

## 25th 10th week(05/13/24 - 05/17/24) schedule for LHD experiment

Weekly report :

| Date | Day of the week | Bt direction | Schedule of the day                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |        |       |    |                     |                           |      |      |        |        | Wall                                | Gas                                                                                                                                                                                                                                                                                                                              | Experiment implementation system                                                                                                                                                                                                                                                                                             | Remark |     |       |    |    |   |      |      |     |      |        |       |    |      |                    |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                   |     |        |       |  |   |   |     |     |        |        |       |  |   |  |     |     |     |        |       |  |    |   |     |      |       |        |       |  |   |  |     |      |     |        |       |  |    |   |     |      |     |        |       |  |   |  |     |      |     |        |       |  |  |  |  |  |  |  |  |  |   |  |     |     |     |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |     |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |       |    |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |
|------|-----------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------|-------|----|---------------------|---------------------------|------|------|--------|--------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----|-------|----|----|---|------|------|-----|------|--------|-------|----|------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------|-------|--|---|---|-----|-----|--------|--------|-------|--|---|--|-----|-----|-----|--------|-------|--|----|---|-----|------|-------|--------|-------|--|---|--|-----|------|-----|--------|-------|--|----|---|-----|------|-----|--------|-------|--|---|--|-----|------|-----|--------|-------|--|--|--|--|--|--|--|--|--|---|--|-----|-----|-----|--------|-------|--|--|--|--|--|--|--|--|--|---|---|-----|------|-------|--------|-------|--|--|--|--|--|--|--|--|--|---|---|-----|-----|-------|--------|-------|--|--|--|--|--|--|--|--|--|---|---|-----|------|-------|--------|-------|--|--|--|--|--|--|--|--|--|-------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|      |                 |              | Morning (～ 12:15)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |        |       |    |                     | Afternoon (12:15 ～ 16:45) |      |      |        |        |                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                              |        |     |       |    |    |   |      |      |     |      |        |       |    |      |                    |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                   |     |        |       |  |   |   |     |     |        |        |       |  |   |  |     |     |     |        |       |  |    |   |     |      |       |        |       |  |   |  |     |      |     |        |       |  |    |   |     |      |     |        |       |  |   |  |     |      |     |        |       |  |  |  |  |  |  |  |  |  |   |  |     |     |     |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |     |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |       |    |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |
| 5/13 | Mo.             |              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |        |       |    |                     |                           |      |      |        |        | Sat: None<br>Sun: None<br>Mon: None |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                              |        |     |       |    |    |   |      |      |     |      |        |       |    |      |                    |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                   |     |        |       |  |   |   |     |     |        |        |       |  |   |  |     |     |     |        |       |  |    |   |     |      |       |        |       |  |   |  |     |      |     |        |       |  |    |   |     |      |     |        |       |  |   |  |     |      |     |        |       |  |  |  |  |  |  |  |  |  |   |  |     |     |     |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |     |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |       |    |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |
| 5/14 | Tu.             | CCW          | [TC](10:30 ～ 16:45)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |        |       |    |                     |                           |      |      |        |        | H2 GD                               |                                                                                                                                                                                                                                                                                                                                  | [Responsible person]M.Osakabe / H.Hayashi<br>[Coordinator#1]A.Shimizu<br>[Coordinator#2]T.kobayashi<br>[ECH]N.Kenmochi<br>[Gas・vacuum・shutter]B/C<br>[Low temp.]ohba.kouki<br>[LID power]M.Kawai/K.Nagahara<br>[Coil power]tanoue.hiroyuki<br>[central ctrl.]ogawa.hideki<br>[data proc.]M.Ohsuna<br>[EXP LAN]nakamura.osamu |        |     |       |    |    |   |      |      |     |      |        |       |    |      |                    |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                   |     |        |       |  |   |   |     |     |        |        |       |  |   |  |     |     |     |        |       |  |    |   |     |      |       |        |       |  |   |  |     |      |     |        |       |  |    |   |     |      |     |        |       |  |   |  |     |      |     |        |       |  |  |  |  |  |  |  |  |  |   |  |     |     |     |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |     |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |       |    |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |
| 5/15 | We.             | CCW          | [IA](10:30 ～ 16:45)ECH, NBI<br>CDC dynamics, rotational transform measurement during CDC<br><table><tr><th>#</th><th>Opt.</th><th>Pol.</th><th>Rax</th><th>Bax</th><th>gamma</th><th>Bq</th><th>SC</th><th>#</th><th>Opt.</th><th>Pol.</th><th>Rax</th><th>Bax</th><th>gamma</th><th>Bq</th><th>SC</th></tr><tr><td>1</td><td></td><td>CCW</td><td>3.85</td><td>2.0</td><td>1.2538</td><td>100.0</td><td></td><td>9</td><td>✓</td><td>CCW</td><td>3.9</td><td>2.5385</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>2</td><td></td><td>CCW</td><td>3.8</td><td>1.2</td><td>1.2538</td><td>100.0</td><td></td><td>10</td><td>✓</td><td>CCW</td><td>3.85</td><td>1.375</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>3</td><td></td><td>CCW</td><td>3.75</td><td>1.2</td><td>1.2538</td><td>100.0</td><td></td><td>11</td><td>✓</td><td>CCW</td><td>3.85</td><td>1.5</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>4</td><td></td><td>CCW</td><td>3.85</td><td>1.2</td><td>1.2538</td><td>100.0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td></td><td>CCW</td><td>3.9</td><td>1.2</td><td>1.2538</td><td>100.0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td>✓</td><td>CCW</td><td>3.75</td><td>2.631</td><td>1.2587</td><td>100.0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td>✓</td><td>CCW</td><td>3.8</td><td>2.605</td><td>1.2538</td><td>100.0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8</td><td>✓</td><td>CCW</td><td>3.85</td><td>2.571</td><td>1.2538</td><td>100.0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> |       |        |       |    |                     |                           |      |      |        |        | #                                   | Opt.                                                                                                                                                                                                                                                                                                                             | Pol.                                                                                                                                                                                                                                                                                                                         | Rax    | Bax | gamma | Bq | SC | # | Opt. | Pol. | Rax | Bax  | gamma  | Bq    | SC | 1    |                    | CCW                                                                                                                                                                                                                                                                                                                   | 3.85                                                                                                                                                                                              | 2.0 | 1.2538 | 100.0 |  | 9 | ✓ | CCW | 3.9 | 2.5385 | 1.2538 | 100.0 |  | 2 |  | CCW | 3.8 | 1.2 | 1.2538 | 100.0 |  | 10 | ✓ | CCW | 3.85 | 1.375 | 1.2538 | 100.0 |  | 3 |  | CCW | 3.75 | 1.2 | 1.2538 | 100.0 |  | 11 | ✓ | CCW | 3.85 | 1.5 | 1.2538 | 100.0 |  | 4 |  | CCW | 3.85 | 1.2 | 1.2538 | 100.0 |  |  |  |  |  |  |  |  |  | 5 |  | CCW | 3.9 | 1.2 | 1.2538 | 100.0 |  |  |  |  |  |  |  |  |  | 6 | ✓ | CCW | 3.75 | 2.631 | 1.2587 | 100.0 |  |  |  |  |  |  |  |  |  | 7 | ✓ | CCW | 3.8 | 2.605 | 1.2538 | 100.0 |  |  |  |  |  |  |  |  |  | 8 | ✓ | CCW | 3.85 | 2.571 | 1.2538 | 100.0 |  |  |  |  |  |  |  |  |  | He GD | H2 | [Responsible person]S.Sakakibara / H.Hayashi<br>[Coordinator#1]Y.Takemura<br>[Coordinator#2]N.Kenmochi<br>[ECH]H.Takahashi<br>[Gas・vacuum・shutter]A/B<br>[Low temp.]ohba.kouki<br>[LID power]M.Kawai/K.Nagahara<br>[Coil power]takami.shigeyuki<br>[central ctrl.]ogawa.hideki<br>[data proc.]M.Ohsuna<br>[EXP LAN]inoue.tomoyuki | (IA)H2 Pellet, MSE, FTS<br><br>(id:752) NBI: Injection into the discharges with low fields<br>(id:754) Mag. Conf.: Vertical field sweep |
| #    | Opt.            | Pol.         | Rax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Bax   | gamma  | Bq    | SC | #                   | Opt.                      | Pol. | Rax  | Bax    | gamma  | Bq                                  | SC                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                              |        |     |       |    |    |   |      |      |     |      |        |       |    |      |                    |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                   |     |        |       |  |   |   |     |     |        |        |       |  |   |  |     |     |     |        |       |  |    |   |     |      |       |        |       |  |   |  |     |      |     |        |       |  |    |   |     |      |     |        |       |  |   |  |     |      |     |        |       |  |  |  |  |  |  |  |  |  |   |  |     |     |     |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |     |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |       |    |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |
| 1    |                 | CCW          | 3.85                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.0   | 1.2538 | 100.0 |    | 9                   | ✓                         | CCW  | 3.9  | 2.5385 | 1.2538 | 100.0                               |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                              |        |     |       |    |    |   |      |      |     |      |        |       |    |      |                    |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                   |     |        |       |  |   |   |     |     |        |        |       |  |   |  |     |     |     |        |       |  |    |   |     |      |       |        |       |  |   |  |     |      |     |        |       |  |    |   |     |      |     |        |       |  |   |  |     |      |     |        |       |  |  |  |  |  |  |  |  |  |   |  |     |     |     |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |     |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |       |    |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |
| 2    |                 | CCW          | 3.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1.2   | 1.2538 | 100.0 |    | 10                  | ✓                         | CCW  | 3.85 | 1.375  | 1.2538 | 100.0                               |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                              |        |     |       |    |    |   |      |      |     |      |        |       |    |      |                    |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                   |     |        |       |  |   |   |     |     |        |        |       |  |   |  |     |     |     |        |       |  |    |   |     |      |       |        |       |  |   |  |     |      |     |        |       |  |    |   |     |      |     |        |       |  |   |  |     |      |     |        |       |  |  |  |  |  |  |  |  |  |   |  |     |     |     |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |     |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |       |    |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |
| 3    |                 | CCW          | 3.75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.2   | 1.2538 | 100.0 |    | 11                  | ✓                         | CCW  | 3.85 | 1.5    | 1.2538 | 100.0                               |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                              |        |     |       |    |    |   |      |      |     |      |        |       |    |      |                    |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                   |     |        |       |  |   |   |     |     |        |        |       |  |   |  |     |     |     |        |       |  |    |   |     |      |       |        |       |  |   |  |     |      |     |        |       |  |    |   |     |      |     |        |       |  |   |  |     |      |     |        |       |  |  |  |  |  |  |  |  |  |   |  |     |     |     |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |     |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |       |    |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |
| 4    |                 | CCW          | 3.85                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1.2   | 1.2538 | 100.0 |    |                     |                           |      |      |        |        |                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                              |        |     |       |    |    |   |      |      |     |      |        |       |    |      |                    |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                   |     |        |       |  |   |   |     |     |        |        |       |  |   |  |     |     |     |        |       |  |    |   |     |      |       |        |       |  |   |  |     |      |     |        |       |  |    |   |     |      |     |        |       |  |   |  |     |      |     |        |       |  |  |  |  |  |  |  |  |  |   |  |     |     |     |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |     |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |       |    |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |
| 5    |                 | CCW          | 3.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1.2   | 1.2538 | 100.0 |    |                     |                           |      |      |        |        |                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                              |        |     |       |    |    |   |      |      |     |      |        |       |    |      |                    |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                   |     |        |       |  |   |   |     |     |        |        |       |  |   |  |     |     |     |        |       |  |    |   |     |      |       |        |       |  |   |  |     |      |     |        |       |  |    |   |     |      |     |        |       |  |   |  |     |      |     |        |       |  |  |  |  |  |  |  |  |  |   |  |     |     |     |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |     |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |       |    |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |
| 6    | ✓               | CCW          | 3.75                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.631 | 1.2587 | 100.0 |    |                     |                           |      |      |        |        |                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                              |        |     |       |    |    |   |      |      |     |      |        |       |    |      |                    |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                   |     |        |       |  |   |   |     |     |        |        |       |  |   |  |     |     |     |        |       |  |    |   |     |      |       |        |       |  |   |  |     |      |     |        |       |  |    |   |     |      |     |        |       |  |   |  |     |      |     |        |       |  |  |  |  |  |  |  |  |  |   |  |     |     |     |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |     |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |       |    |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |
| 7    | ✓               | CCW          | 3.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2.605 | 1.2538 | 100.0 |    |                     |                           |      |      |        |        |                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                              |        |     |       |    |    |   |      |      |     |      |        |       |    |      |                    |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                   |     |        |       |  |   |   |     |     |        |        |       |  |   |  |     |     |     |        |       |  |    |   |     |      |       |        |       |  |   |  |     |      |     |        |       |  |    |   |     |      |     |        |       |  |   |  |     |      |     |        |       |  |  |  |  |  |  |  |  |  |   |  |     |     |     |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |     |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |       |    |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |
| 8    | ✓               | CCW          | 3.85                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2.571 | 1.2538 | 100.0 |    |                     |                           |      |      |        |        |                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                              |        |     |       |    |    |   |      |      |     |      |        |       |    |      |                    |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                   |     |        |       |  |   |   |     |     |        |        |       |  |   |  |     |     |     |        |       |  |    |   |     |      |       |        |       |  |   |  |     |      |     |        |       |  |    |   |     |      |     |        |       |  |   |  |     |      |     |        |       |  |  |  |  |  |  |  |  |  |   |  |     |     |     |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |     |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |       |    |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |
| 5/16 | Th.             | CCW          | [MAP](10:30 ～ 16:45)ECH, NBI<br>Construction of atomic data and plasma modeling, Measurement of anisotropy in EVDF, Experimental identification of spectral lines, Asymmetries during impurity seeding<br><table><tr><th>#</th><th>Opt.</th><th>Pol.</th><th>Rax</th><th>Bax</th><th>gamma</th><th>Bq</th><th>SC</th></tr><tr><td>1</td><td></td><td>CW</td><td>3.6</td><td>2.75</td><td>1.2538</td><td>100.0</td><td></td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |        |       |    |                     |                           |      |      |        |        | #                                   | Opt.                                                                                                                                                                                                                                                                                                                             | Pol.                                                                                                                                                                                                                                                                                                                         | Rax    | Bax | gamma | Bq | SC | 1 |      | CW   | 3.6 | 2.75 | 1.2538 | 100.0 |    | None | H2, He, N2, Ne, Ar | [Responsible person]K.Tanaka / H.Hayashi<br>[Coordinator#1]K.Mukai<br>[Coordinator#2]R.Yanai<br>[ECH]N.Kenmochi<br>[Gas・vacuum・shutter]C/A<br>[Low temp.]ohba.kouki<br>[LID power]M.Kawai/K.Nagahara<br>[Coil power]tanoue.hiroyuki<br>[central ctrl.]ogawa.hideki<br>[data proc.]M.Ohsuna<br>[EXP LAN]nakamura.osamu | (MAP)Spectrometers, Impurity pellet, TESPEL, Impurity puff, Fast TS, LID(14:45-16:45)<br><br>(id:723) Impurity pellet/TESPEL<br>(id:724) Impurity gas puff<br>(id:731) Mag. Conf.: Using LID coil |     |        |       |  |   |   |     |     |        |        |       |  |   |  |     |     |     |        |       |  |    |   |     |      |       |        |       |  |   |  |     |      |     |        |       |  |    |   |     |      |     |        |       |  |   |  |     |      |     |        |       |  |  |  |  |  |  |  |  |  |   |  |     |     |     |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |     |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |       |    |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |
| #    | Opt.            | Pol.         | Rax                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Bax   | gamma  | Bq    | SC |                     |                           |      |      |        |        |                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                              |        |     |       |    |    |   |      |      |     |      |        |       |    |      |                    |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                   |     |        |       |  |   |   |     |     |        |        |       |  |   |  |     |     |     |        |       |  |    |   |     |      |       |        |       |  |   |  |     |      |     |        |       |  |    |   |     |      |     |        |       |  |   |  |     |      |     |        |       |  |  |  |  |  |  |  |  |  |   |  |     |     |     |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |     |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |       |    |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |
| 1    |                 | CW           | 3.6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2.75  | 1.2538 | 100.0 |    |                     |                           |      |      |        |        |                                     |                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                              |        |     |       |    |    |   |      |      |     |      |        |       |    |      |                    |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                   |     |        |       |  |   |   |     |     |        |        |       |  |   |  |     |     |     |        |       |  |    |   |     |      |       |        |       |  |   |  |     |      |     |        |       |  |    |   |     |      |     |        |       |  |   |  |     |      |     |        |       |  |  |  |  |  |  |  |  |  |   |  |     |     |     |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |     |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |       |    |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |
| 5/17 | Fr.             | CCW          | [MAP](10:30 ～ 14:15)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |       |        |       |    | [TC](14:45 ～ 16:45) |                           |      |      |        | None   |                                     | [Responsible person]N.Tamura / H.Hayashi<br>[Coordinator#1]/M.Yoshinuma<br>[Coordinator#2]/M.Nishiura<br>[ECH]H.Takahashi<br>[Gas・vacuum・shutter]B/C<br>[Low temp.]ohba.kouki<br>[LID power]M.Kawai/K.Nagahara<br>[Coil power]takami.shigeyuki<br>[central ctrl.]ogawa.hideki<br>[data proc.]M.Ohsuna<br>[EXP LAN]inoue.tomoyuki |                                                                                                                                                                                                                                                                                                                              |        |     |       |    |    |   |      |      |     |      |        |       |    |      |                    |                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                   |     |        |       |  |   |   |     |     |        |        |       |  |   |  |     |     |     |        |       |  |    |   |     |      |       |        |       |  |   |  |     |      |     |        |       |  |    |   |     |      |     |        |       |  |   |  |     |      |     |        |       |  |  |  |  |  |  |  |  |  |   |  |     |     |     |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |     |       |        |       |  |  |  |  |  |  |  |  |  |   |   |     |      |       |        |       |  |  |  |  |  |  |  |  |  |       |    |                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                         |

Daily Schedule

Prepared by

M.Yoshida

|                                      |                                                                           |        |      |    |    |    |                                     |    |    |        |    |    |    |     |    |  |
|--------------------------------------|---------------------------------------------------------------------------|--------|------|----|----|----|-------------------------------------|----|----|--------|----|----|----|-----|----|--|
| Date                                 | Experimental Subject                                                      |        |      |    |    |    |                                     |    |    |        |    |    |    |     |    |  |
| 2024/5/14(Tue)                       |                                                                           |        |      |    |    |    |                                     |    |    |        |    |    |    |     |    |  |
| Exp. No.                             | Experimental Session Group                                                |        |      |    |    |    | Session Coordinator                 |    |    |        |    |    |    |     |    |  |
| 1362                                 | TC                                                                        |        |      |    |    |    | A.Shimizu[2454] / T.kobayashi[2231] |    |    |        |    |    |    |     |    |  |
| Time Table                           | 8                                                                         | 9      | 10   | 11 | 12 | 13 | 14                                  | 15 | 16 | 17     | 18 | 19 | 20 | 21  | 22 |  |
|                                      |                                                                           | U<br>P | [TC] |    |    |    |                                     |    |    | D<br>N |    |    |    |     |    |  |
| Details and Experimental Conditions  |                                                                           |        |      |    |    |    |                                     |    |    |        |    |    |    | Gas |    |  |
| [TC](10:30 ~ 16:45)<br>Sequence:3min |                                                                           |        |      |    |    |    |                                     |    |    |        |    |    |    |     |    |  |
| Wall Conditioning                    | GD(Before Exp.): None , GD(After Exp.): None , Cryopump(During Exp.): off |        |      |    |    |    |                                     |    |    |        |    |    |    |     |    |  |
| Remarks                              |                                                                           |        |      |    |    |    |                                     |    |    |        |    |    |    |     |    |  |

Daily Schedule

Prepared by

N.Tamura

| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Experimental Subject                                                                                                                                                                 |          |        |        |        |       |                                     |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|--------|--------|-------|-------------------------------------|----|----|--------|----|----|----|-----|--------|----------|--------|--------|-------|-------|-----------|---|--|-----|------|-----|--------|-------|--|---|--|-----|-----|-----|--------|-------|--|---|--|-----|------|-----|--------|-------|--|---|--|-----|------|-----|--------|-------|--|---|--|-----|-----|-----|--------|-------|--|---|---|-----|------|-------|--------|-------|--|---|---|-----|-----|-------|--------|-------|--|---|---|-----|------|-------|--------|-------|--|---|---|-----|-----|--------|--------|-------|--|----|---|-----|------|-------|--------|-------|--|----|---|-----|------|-----|--------|-------|--|----|--|
| 2024/5/15(Wed)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | CDC dynamics, rotational transform measurement during CDC                                                                                                                            |          |        |        |        |       |                                     |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| Exp. No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Experimental Session Group                                                                                                                                                           |          |        |        |        |       | Session Coordinator                 |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| 1363                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | IA                                                                                                                                                                                   |          |        |        |        |       | Y.Takemura[2167] / N.Kenmochi[2208] |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| Time Table                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 8                                                                                                                                                                                    | 9        | 10     | 11     | 12     | 13    | 14                                  | 15 | 16 | 17     | 18 | 19 | 20 | 21  | 22     |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                      |          | U<br>P | [IA]   |        |       |                                     |    |    | D<br>N |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| Details and Experimental Conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                      |          |        |        |        |       |                                     |    |    |        |    |    |    | Gas |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| <div>[IA](10:30 ~ 16:45) ECH, NBI<br/>10:30-14:45 Measurement of Plasma Dynamics during Core Density Collapse (CDC) in LHD (D. Hartog(UW-Madison), N. Kenmochi)<br/>14:45-16:45 CDC dynamics and rotational transform (H. Thomsen(IPP), Y. Takemura)<br/>Sequence:3min</div> <table><thead><tr><th>#</th><th>Option</th><th>Polarity</th><th>Rax(m)</th><th>Bax(T)</th><th>gamma</th><th>Bq(%)</th><th>Subcooled</th></tr></thead><tbody><tr><td>1</td><td></td><td>CCW</td><td>3.85</td><td>2.0</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>2</td><td></td><td>CCW</td><td>3.8</td><td>1.2</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>3</td><td></td><td>CCW</td><td>3.75</td><td>1.2</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>4</td><td></td><td>CCW</td><td>3.85</td><td>1.2</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>5</td><td></td><td>CCW</td><td>3.9</td><td>1.2</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>6</td><td>✓</td><td>CCW</td><td>3.75</td><td>2.631</td><td>1.2587</td><td>100.0</td><td></td></tr><tr><td>7</td><td>✓</td><td>CCW</td><td>3.8</td><td>2.605</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>8</td><td>✓</td><td>CCW</td><td>3.85</td><td>2.571</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>9</td><td>✓</td><td>CCW</td><td>3.9</td><td>2.5385</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>10</td><td>✓</td><td>CCW</td><td>3.85</td><td>1.375</td><td>1.2538</td><td>100.0</td><td></td></tr><tr><td>11</td><td>✓</td><td>CCW</td><td>3.85</td><td>1.5</td><td>1.2538</td><td>100.0</td><td></td></tr></tbody></table> |                                                                                                                                                                                      |          |        |        |        |       |                                     |    |    |        |    |    |    | #   | Option | Polarity | Rax(m) | Bax(T) | gamma | Bq(%) | Subcooled | 1 |  | CCW | 3.85 | 2.0 | 1.2538 | 100.0 |  | 2 |  | CCW | 3.8 | 1.2 | 1.2538 | 100.0 |  | 3 |  | CCW | 3.75 | 1.2 | 1.2538 | 100.0 |  | 4 |  | CCW | 3.85 | 1.2 | 1.2538 | 100.0 |  | 5 |  | CCW | 3.9 | 1.2 | 1.2538 | 100.0 |  | 6 | ✓ | CCW | 3.75 | 2.631 | 1.2587 | 100.0 |  | 7 | ✓ | CCW | 3.8 | 2.605 | 1.2538 | 100.0 |  | 8 | ✓ | CCW | 3.85 | 2.571 | 1.2538 | 100.0 |  | 9 | ✓ | CCW | 3.9 | 2.5385 | 1.2538 | 100.0 |  | 10 | ✓ | CCW | 3.85 | 1.375 | 1.2538 | 100.0 |  | 11 | ✓ | CCW | 3.85 | 1.5 | 1.2538 | 100.0 |  | H2 |  |
| #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Option                                                                                                                                                                               | Polarity | Rax(m) | Bax(T) | gamma  | Bq(%) | Subcooled                           |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                      | CCW      | 3.85   | 2.0    | 1.2538 | 100.0 |                                     |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                      | CCW      | 3.8    | 1.2    | 1.2538 | 100.0 |                                     |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                      | CCW      | 3.75   | 1.2    | 1.2538 | 100.0 |                                     |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                      | CCW      | 3.85   | 1.2    | 1.2538 | 100.0 |                                     |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                      | CCW      | 3.9    | 1.2    | 1.2538 | 100.0 |                                     |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ✓                                                                                                                                                                                    | CCW      | 3.75   | 2.631  | 1.2587 | 100.0 |                                     |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ✓                                                                                                                                                                                    | CCW      | 3.8    | 2.605  | 1.2538 | 100.0 |                                     |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| 8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ✓                                                                                                                                                                                    | CCW      | 3.85   | 2.571  | 1.2538 | 100.0 |                                     |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ✓                                                                                                                                                                                    | CCW      | 3.9    | 2.5385 | 1.2538 | 100.0 |                                     |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| 10                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ✓                                                                                                                                                                                    | CCW      | 3.85   | 1.375  | 1.2538 | 100.0 |                                     |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| 11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ✓                                                                                                                                                                                    | CCW      | 3.85   | 1.5    | 1.2538 | 100.0 |                                     |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| Wall Conditioning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | GD(Before Exp.): H2 , GD(After Exp.): He , Cryopump(During Exp.): off                                                                                                                |          |        |        |        |       |                                     |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |
| Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | (IA)H2 Pellet, MSE, FTS<br><br>【Precautions for today's LHD experiments】<br>(id:752) NBI: Injection into the discharges with low fields<br>(id:754) Mag. Conf.: Vertical field sweep |          |        |        |        |       |                                     |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |      |     |        |       |  |   |  |     |     |     |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |       |        |       |  |   |   |     |      |       |        |       |  |   |   |     |     |        |        |       |  |    |   |     |      |       |        |       |  |    |   |     |      |     |        |       |  |    |  |

Daily Schedule

Prepared by

N.Tamura

| Date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Experimental Subject                                                                                                                                                   |                                                                                                                                                                                                                                                                |        |        |        |       |                               |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |    |     |      |        |       |  |                    |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|-------|-------------------------------|----|----|--------|----|----|----|-----|--------|----------|--------|--------|-------|-------|-----------|---|--|----|-----|------|--------|-------|--|--------------------|--|
| 2024/5/16(Thu)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Construction of atomic data and plasma modeling, Measurement of anisotropy in EVDF, Experimental identification of spectral lines, Asymmetries during impurity seeding |                                                                                                                                                                                                                                                                |        |        |        |       |                               |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |    |     |      |        |       |  |                    |  |
| Exp. No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Experimental Session Group                                                                                                                                             |                                                                                                                                                                                                                                                                |        |        |        |       | Session Coordinator           |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |    |     |      |        |       |  |                    |  |
| 1364                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MAP                                                                                                                                                                    |                                                                                                                                                                                                                                                                |        |        |        |       | K.Mukai[2240] / R.Yanai[2163] |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |    |     |      |        |       |  |                    |  |
| Time Table                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 8                                                                                                                                                                      | 9                                                                                                                                                                                                                                                              | 10     | 11     | 12     | 13    | 14                            | 15 | 16 | 17     | 18 | 19 | 20 | 21  | 22     |          |        |        |       |       |           |   |  |    |     |      |        |       |  |                    |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                        | U<br>P                                                                                                                                                                                                                                                         | [MAP]  |        |        |       |                               |    |    | D<br>N |    |    |    |     |        |          |        |        |       |       |           |   |  |    |     |      |        |       |  |                    |  |
| Details and Experimental Conditions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                        |                                                                                                                                                                                                                                                                |        |        |        |       |                               |    |    |        |    |    |    | Gas |        |          |        |        |       |       |           |   |  |    |     |      |        |       |  |                    |  |
| <div>[MAP](10:30 ~ 16:45) ECH, NBI<br/>10:30-11:30 Construction of atomic data and plasma modeling toward understanding the origin of heavy elements (D. Kato)<br/>11:30-13:15 Measurement of anisotropy in EVDF with polarization spectroscopy for Argon ion M1 lines (M. Goto)<br/>13:15-14:45 Experimental identification of spectral lines from highly charged heavy ions (C. Suzuki)<br/># NBI calib. (3 shots) will be done during 13:15-14:45<br/>14:45-16:45 Study of poloidal and toroidal asymmetries during impurity seeding in LHD (B. Peterson)<br/><br/>Sequence:3min<br/><table><tr><th>#</th><th>Option</th><th>Polarity</th><th>Rax(m)</th><th>Bax(T)</th><th>gamma</th><th>Bq(%)</th><th>Subcooled</th></tr><tr><td>1</td><td></td><td>CW</td><td>3.6</td><td>2.75</td><td>1.2538</td><td>100.0</td><td></td></tr></table></div> |                                                                                                                                                                        |                                                                                                                                                                                                                                                                |        |        |        |       |                               |    |    |        |    |    |    | #   | Option | Polarity | Rax(m) | Bax(T) | gamma | Bq(%) | Subcooled | 1 |  | CW | 3.6 | 2.75 | 1.2538 | 100.0 |  | H2,He,N2<br>,Ne,Ar |  |
| #                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Option                                                                                                                                                                 | Polarity                                                                                                                                                                                                                                                       | Rax(m) | Bax(T) | gamma  | Bq(%) | Subcooled                     |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |    |     |      |        |       |  |                    |  |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                        | CW                                                                                                                                                                                                                                                             | 3.6    | 2.75   | 1.2538 | 100.0 |                               |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |    |     |      |        |       |  |                    |  |
| Wall Conditioning                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                        |                                                                                                                                                                                                                                                                |        |        |        |       |                               |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |    |     |      |        |       |  |                    |  |
| GD(Before Exp.): He , GD(After Exp.): None , Cryopump(During Exp.): off                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                        |                                                                                                                                                                                                                                                                |        |        |        |       |                               |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |    |     |      |        |       |  |                    |  |
| Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                        | <div>(MAP)Spectrometers, Impurity pellet, TESPEL, Impurity puff, Fast TS, LID(14:45-16:45)<br/><br/>【Precautions for today's LHD experiments】<br/>(id:723) Impurity pellet/TESPEL<br/>(id:724) Impurity gas puff<br/>(id:731) Mag. Conf.: Using LID coil</div> |        |        |        |       |                               |    |    |        |    |    |    |     |        |          |        |        |       |       |           |   |  |    |     |      |        |       |  |                    |  |

Daily Schedule

Prepared by

M.Yoshida

|                                       |                            |                                                    |       |    |    |    |                                      |      |    |    |    |    |    |     |    |  |
|---------------------------------------|----------------------------|----------------------------------------------------|-------|----|----|----|--------------------------------------|------|----|----|----|----|----|-----|----|--|
| Date                                  | Experimental Subject       |                                                    |       |    |    |    |                                      |      |    |    |    |    |    |     |    |  |
| 2024/5/17(Fri)                        |                            |                                                    |       |    |    |    |                                      |      |    |    |    |    |    |     |    |  |
| Exp. No.                              | Experimental Session Group |                                                    |       |    |    |    | Session Coordinator                  |      |    |    |    |    |    |     |    |  |
| 1365                                  | MAP/TC                     |                                                    |       |    |    |    | M.Yoshinuma[2172] / M.Nishiura[2184] |      |    |    |    |    |    |     |    |  |
| Time Table                            | 8                          | 9                                                  | 10    | 11 | 12 | 13 | 14                                   | 15   | 16 | 17 | 18 | 19 | 20 | 21  | 22 |  |
|                                       |                            | UP                                                 | [MAP] |    |    |    |                                      | [TC] |    | DN |    |    |    |     |    |  |
| Details and Experimental Conditions   |                            |                                                    |       |    |    |    |                                      |      |    |    |    |    |    | Gas |    |  |
| [MAP](10:30 ~ 14:15)<br>Sequence:3min |                            |                                                    |       |    |    |    |                                      |      |    |    |    |    |    |     |    |  |
| [TC](14:45 ~ 16:45)<br>Sequence:3min  |                            |                                                    |       |    |    |    |                                      |      |    |    |    |    |    |     |    |  |
| Wall Conditioning                     |                            | GD(Before Exp.): None , Cryopump(During Exp.): off |       |    |    |    |                                      |      |    |    |    |    |    |     |    |  |
| Remarks                               |                            |                                                    |       |    |    |    |                                      |      |    |    |    |    |    |     |    |  |