

Imaging bolometer

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1. Purpose / Application

Measure of plasma radiation profile as a 2-D image

2. Name of analysis (Kaiseki) data / module of MyView2

Currently, not available. Please contact the person in charge (Dr. Kiyofumi MUKAI, *mukai.kiyofumi@nifs.ac.jp*)

3. General Description (Port, field line, time resolution, spatial resolution, number of channels, etc.)

- Port: 6.5-U CC01-04

- Field of View:

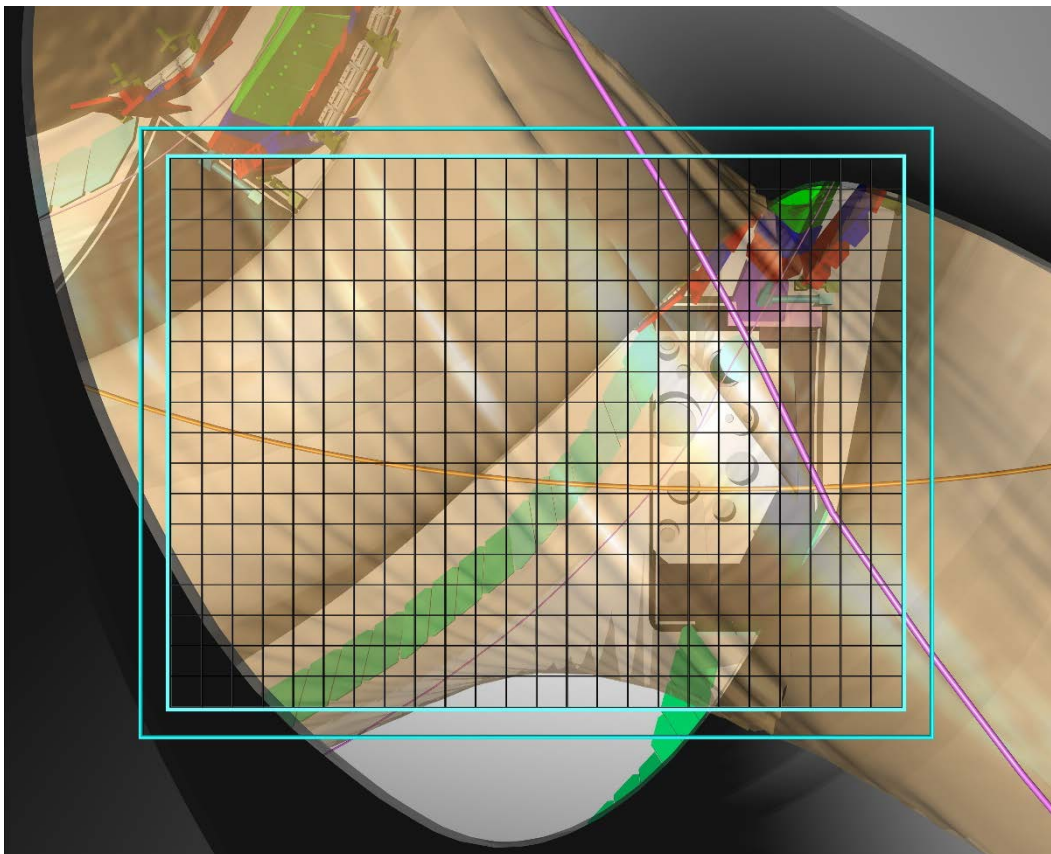


Figure 1 Coil geometry of LHD.

- Time resolution: 10 ms

- Number of channels: 26 ch (toroidal) × 20 ch (radial)

4. Requirement in use

- There is no requirement for usual use. The data of imaging bolometer is obtained routinely.

5. Description of analysis (Kaiseki) data / module of MyView2

Currently, not available. Please contact the person in charge (Dr. Kiyofumi MUKAI, mukai.kiyofumi@nifs.ac.jp)

6. Others

References

- [1] B. J. Peterson *et al.*, Rev. Sci. Instrum. **72** (2001) 923.
- [2] B. J. Peterson *et al.*, Rev. Sci. Instrum. **79** (2008) 10E301.
- [3] K. Mukai *et al.*, Rev. Sci. Instrum. **85** (2014) 11E435.
- [4] K. Mukai *et al.*, Rev. Sci. Instrum. **87** (2016) 11E124.
- [5] K. Mukai *et al.*, Rev. Sci. Instrum. **89** (2018) 10E114.
- [6] K. Mukai *et al.*, Plasma Science, IEEE Transactions on **47** (2019) 18.