

## Instability Topical Group

### Group Leaders

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This group deals with topics on (i) wave-particle interaction, (ii) abrupt events, (iii) transition phenomena, and (iv) topological effects.

Main topics are followings:

1. Alfvén eigenvalue mode with multi ion species.
2. Landau damping
3. He ion transport
4. EP stiffness
5. EGAM
6. Energetic ion driven interchange mode (EIC)/Tongue formation
7. Core density collapse in superdense core
8. Radiation collapse
9. Plasma termination events
10. L-H transition
11. Plasma detachments
12. Island dynamics (RMP penetration/amplification)

Also, this TG will cover the basic topic related to the high-beta, MHD, and Energetic particle physics.

We strongly encourage for the cooperation with other topical groups to examine the experiment more efficiently.

Contact for more information

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