

KASUYA Lab.

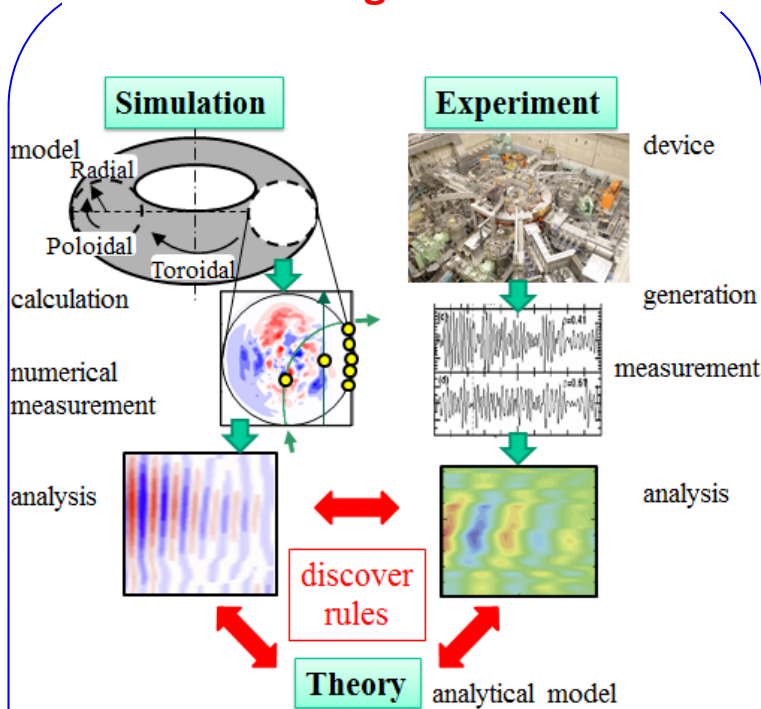
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**“Explore the mechanism of plasma turbulence
by applying e-science”**

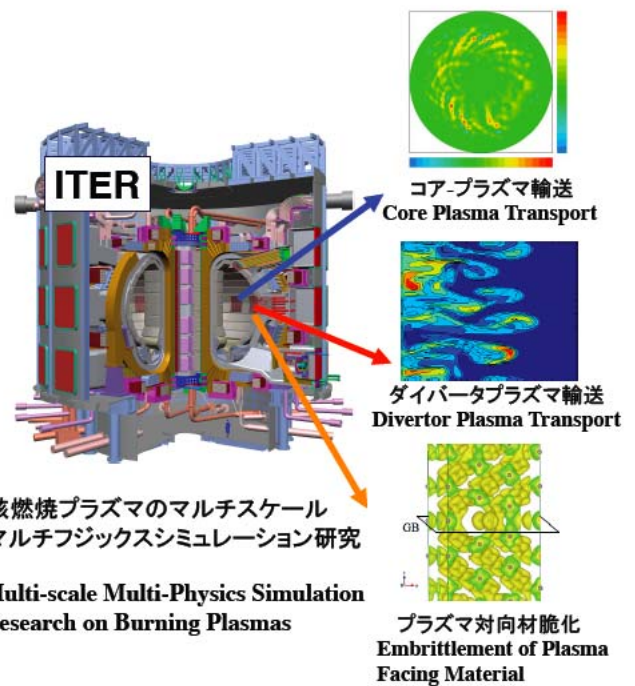
Main object: Prediction of the behavior of burning plasmas by numerical simulations of magnetically confined fusion plasmas

Turbulence Diagnostic Simulator



Turbulence Diagnostic Simulator (TDS), which is an assembly of simulation codes for numerical diagnostics in magnetically confined plasmas, is being developed for collaboration between simulations and experiments.

Integrated Code for Burning Plasmas



Integrated simulator to predict self-consistent time evolutions of burning plasmas is being developed by combining codes for core and peripheral plasmas, divertors, and wall materials, which are dominated by different physical models

Develop the platform to accelerate the collaboration between simulations, experiments and theories for understanding of plasma turbulent transport

Members:

Assoc. Prof. Naohiro KASUYA
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Highly motivated new comers are welcome!

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