

Universität Stuttgart



New issues

- ECCD in stellarator/heliotron plasmas (Nagasaki)
Control of island at rational surfaces, suppression of BS current

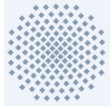
Benchmark test between TRECE and TRAVIS going on

Issues

- Application of ECCD to confinement improvement
- Comparison with theory
- Enhancement of ECCD efficiency
- Extension of ECCD DB
- Comparison with tokamaks → common/difference

Future plans

H-J, TJ-II, LHD (with people specified), theory (Marushchenko, Castejon)



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New issues

TRAVIS(Marushchenko)

Anomalous dispersion included, fully relativistic, well benchmarked

The single-path absorption can be significantly reduced in X2 scenario in LHD
(@high density with anomalous dispersion) → O2 scenario proposal

Single-path absorption up to 90 % seems as reachable value

Beta effect ?