

Universität Stuttgart



Homeworks for 4th CWGM

Workplan for 2008 (with responsible officer)

Impurity :

Experiments with combination of gas puff (Ne, Ar etc) & TESPEL to identify Z-dependence, and to differentiate edge & core impurity transport behavior.

Quantitative measurements of impurity retention effect with Z_{eff} .

(highest priority)

High-beta effect on:

additional field ergodization in the edge and possible consequence on SOL transport
strike line location and power deposition profile

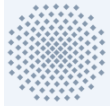
Power load :

Measurements/analysis of power load (W/m^2) with probe & IR-camera.

Separate transport effect on power deposition profile from geometric ones.

Analysis of χ scaling (from available data set)

Potential measurements and analysis of E-field effect on transport



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Possible opportunity for presentation/documentation

IAEA-FEC : Y. Feng “Divertor transport study in W7-AS & LHD” Joint paper of W7-AS & LHD
PSI2008 : M. Kobayashi with collaboration with Y. Feng, S. Masuzaki, M. Shoji, T. Morisaki et al.
EPS, APS ??

Joint experiment

Under preparation :

Measurements of impurity transport, blob etc with fast CCD camera.

Fluctuation measurements with 8-pin probe.

DB registration plan