

Analysis of the data on fluctuations and evaluation of the turbulent transport of impurities and/or fast particles



- **Proponents and contact person:**
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- **Scientific Background & Objectives**
Test particle modelling of turbulent transport, which includes the available experimental data completed by free parameters represented by intervals instead of fixed values.
 - Provide the most probable values of the transport coefficients and their dispersion.
 - Determine the sensitivity of the transport to the turbulence and plasma parameters.
 - Evaluate scaling laws of impurity and fast particle transport coefficients for ITER/DEMO conditions

- **Modelling Strategy**

Complete image of the turbulent transport obtained by considering heavy and light impurities, fast ions determined by heating or fusion reactions, energy

Modelling and analysis proposal, which is intended to be associated to experimental proposals that deal with measurements of fluctuations and of turbulent transport of impurities, fast particles or ion energy.

Proposed devices/pulses for device

Device	# pulses proposed	# pulses for scenario
AUG		
TCV		
MAST-U		
WEST		