

Theoretical modelling of W transport in ASDEX Upgrade

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Recent progress in the theoretical description of neoclassical and turbulent transport of heavy impurities is applied to the modelling of the 2D W density distribution in ASDEX Upgrade. Particular emphasis is given to the investigation of the relative roles of neoclassical and turbulent transport, to the impact of poloidal asymmetries produced by centrifugal effects and by the temperature anisotropy of ion cyclotron resonance heated minority ions on the predicted radial transport of W.