

# Joint IAEA-FZJ Technical Meeting on the Collisional-Radiative Properties of Tungsten and Hydrogen in Edge Plasma of Fusion Devices

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## Tungsten atomic data needs for ITER

*Monday, 29 March 2021 10:45 (30 minutes)*

This talk will present an overview of the spectroscopic diagnostics and modelling needs for tungsten atomic data for operation of the ITER tokamak. The goals are to be able to predict and measure the W influx into the ITER plasma and the W core concentration during operation. The spectroscopic lines of main interest will be provided, as well as the current state-of-art A&M data on which the modelling relies. Opportunities from improvement of the data or the quality of the simulations will be highlighted.

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