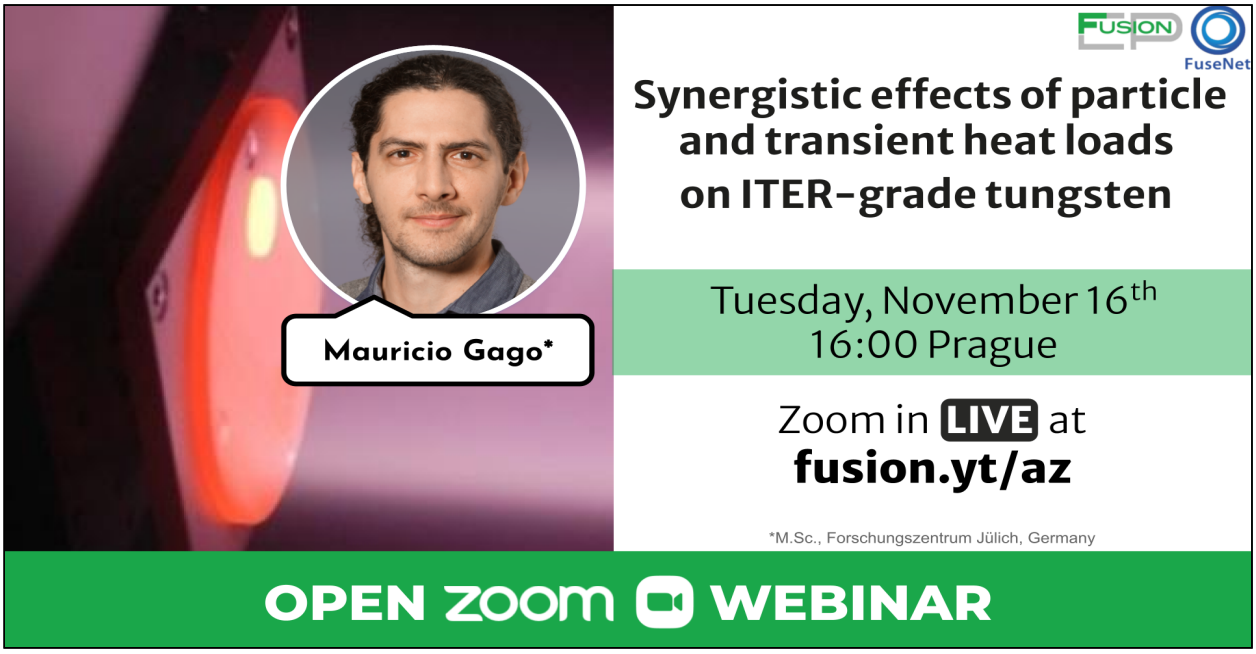

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Title: Synergistic effects of particle and transient heat loads on ITER-grade tungsten

Speaker: Mauricio Gago

When: 2021-11-16 16:00:00

Abstract: Once ITER commences full power operation, the ITER divertor will be exposed to high thermal and particle loads. Tungsten was chosen as plasma facing material for the ITER divertor. It is, therefore, of the utmost importance to understand the behavior of ITER-grade tungsten under conditions similar to those it will have to withstand inside the reactor. To achieve this, ITER-grade tungsten samples were studied in the linear plasma device PSI-2, simulating the conditions expected in the ITER divertor by exposing them to a stationary D/He(6%) plasma and transient heat loads to simulate the effect of transient events such as edge-localized modes (ELMs).

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