



Universität
Basel

Research Project

ITER Implementing Agreement 2022 : RF-Mirror cleaning techniques for ITER first mirrors

Third-party funded project

Project title ITER Implementing Agreement 2022 : RF-Mirror cleaning techniques for ITER first mirrors

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Organisation / Research unit

Departement Physik / Nanomechanik (Meyer)

Department

Departement Physik

Project start 01.01.2022

Probable end 31.12.2023

Status Completed

The metallic First Mirrors (FMs) will play a crucial role in most optical diagnostic systems in ITER. Being the initial elements in the optical path in the diagnostic systems, the FMs will be subjected to deposition of the first wall materials (Be and W), compromising their optical properties. The FMs would thus need periodic cleaning to restore their optical properties, which is foreseen to be achieved using an in-situ plasma cleaning technique utilizing RF discharge.

Financed by

Other sources

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