



Universität
Basel

Research Project

ITER/IO/18/RFQ/15666/JPA

Third-party funded project

Project title ITER/IO/18/RFQ/15666/JPA

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Organisation / Research unit

Departement Physik / Nanomechanik (Meyer)

Department

Project start 01.09.2018

Probable end 31.08.2020

Status Completed

Radio-Frequency (RF) plasma glow discharge is an attractive candidate for in-situ mirror cleaning of ITER optical diagnostics. In particular, the capacitively coupled radio frequency (CCRF) discharge type is selected as a baseline design solution for first mirror unit (FMU1) with RF discharge mirror cleaning function. A number of questions to CCRF discharge mirror cleaning have been already addressed. Many of them resulted in additional R&D tasks that are ongoing now; however, new open questions are appearing in the mirror cleaning project in line with engineering work activity on the FMU design development and FMU integration in diagnostic ports.

Financed by

Foreign Governmental Research Agencies

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