

OPEN PHD POSITION AT THE SWISS PLASMA CENTER

Active spectroscopy in fusion relevant plasmas on the RAID device

We are currently seeking a candidate to fill an open PhD position in experimental physics in the Basic Plasma Physics and Applications group at the Swiss Plasma Center (SPC), on the EPFL-Lausanne campus.

The candidate will study active spectroscopy in fusion-relevant plasmas. In particular, they will tackle two-photon LIF measurements of atomic hydrogen and deuterium in the Resonant Antenna Ion Device (RAID) at SPC. They will study possible new calibration methods, as well as the role of competing atomic processes both in laser absorption and fluorescence in a dense plasma. These investigations will include theory as well as experiments, and will involve collaborations with other groups at EPFL, providing a unique opportunity to develop competences at the intersection of several fields in science and engineering including plasma and tokamak physics, atomic physics, ultrafast processes, electronics, control systems and simulations.

For further information, please refer to

https://www.epfl.ch/research/domains/swiss-plasma-center/education/education_doctoralschool/phdpositions/#PhD_Torpex

or contact Marcelo Baquero at marcelo.baquero@epfl.ch