

**PhD position @ Unipd on “Development of LIBS methodologies for fusion-relevant materials analysis” funded by the PNRR NEFERTARI project.**

**Titolo:** Development of LIBS methodologies for fusion-relevant materials analysis.

A PhD position of the University of Padova is open for research in new Laser-Induced Breakdown Spectroscopy (LIBS) methodologies for elemental analysis of plasma-facing materials. The project aims at exploring LIBS schemes using a fs laser pulse and the possibility of enhancing the sensitivity and selectivity of the technique by the support of Laser Induced Fluorescence and local electrical discharges. The research work will be carried out in the laboratories of the Bari branch of the Institute, in close collaboration with the BiGyM group in Milano.

**Deadline for submission: November 28th at 13.00.**

Details and application form available on the webpages:

[https://crf.unipd.it/sites/crf.unipd.it/files/Info\\_Sheet\\_FSE\\_PNRR\\_en.pdf](https://crf.unipd.it/sites/crf.unipd.it/files/Info_Sheet_FSE_PNRR_en.pdf)

<https://crf.unipd.it/phd/admission>

Starting date: February 1st 2023

Supervisor and contact person: Dr. Giorgio Dilecce ([giorgio.dilecce@istp.cnr.it](mailto:giorgio.dilecce@istp.cnr.it))