

EuPRAXIA@SPARC_LAB

martedì 19 settembre 2023 10:00 (30 minuti)

EuPRAXIA@SPARC_LAB will be a new multi-disciplinary user-facility that is currently under construction at the Laboratori Nazionali di Frascati of the INFN in the framework of the EuPRAXIA collaboration.

The electrons acceleration will be provided through an X-band normal conducting linac followed by a plasma module from WakeField Acceleration (PWFA).

Downstream, the beam will drive two FEL beamlines for experiments, one in the VUV and the other in the XUV-soft x-rays spectral region. As an ancillary beamline, a betatron source in the x-ray from laser-plasma interaction, is considered. We present the status and the update of the project.

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Classifica Sessioni: Plenary session

Classificazione della track: Invited