



Contribution ID: 25

Type: **not specified**

Results of the SPARC Free-Electron Laser Experiment

Wednesday, 27 April 2011 14:50 (15 minutes)

The SPARC project is a Free Electron Laser (FEL) at the LNF, Frascati (Italy). It is also the test and training facility for the VUV/soft X-ray FEL project named SPARX. The SPARC FEL is composed by a high brightness photo-injector providing a high-quality electron beam at energies up to 150-200 MeV and an undulator beam line composed by six magnetic undulator sections with variable gap.

The main experimental results in the acceleration-compression of the electron bunches and the laser pulses emitted in the undulator will be presented in various regime of operation.

Primary author: SERLUCA, Maurizio (Università degli studi Roma III)

Presenter: SERLUCA, Maurizio (Università degli studi Roma III)

Session Classification: Nuove Tecnologie - I

Track Classification: Nuove Tecnologie