

JANNUS at Saclay-Orsay, France: A Multi-Accelerators Facility

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The Joint Accelerators for Nanosciences and Nuclear Simulation (JANNUS) project was started in France in 2002 in the frame of collaboration between the French Alternative Energies and Atomic Energy Commission (CEA) and The National Center for Scientific Research (CNRS). Due to the scientific skills developed for a long time, two experimental sites were considered: (1) at Saclay, three electrostatic accelerators, two 3 MV Pelletron machines and a 2.25 MV tandem, are coupled and (2) at Orsay, a 2 MV tandem and a 190 kV ion implanter are coupled together with a 200 kV transmission electron microscope to allow simultaneous co-irradiation and observation.

This multi-irradiation facility is available for single, dual or triple ion beam irradiations in different nuclear and non-nuclear application fields and for national and international projects. Call for beam time is done every year through the French network EMIR (Etudes des matériaux sous irradiation) and in the past through the European project SPIRIT (Support of public and industrial research using ion beam technology).

A description of the Saclay facility will be given with some focus on management. A visit can be also organized.

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Session Classification: Fulfilling User Requirements at Various Types of Facilities