



Contribution ID: 237

Type: **Oral Presentation**

The ALTO research platform of IJCLab

ALTO (Accélérateur Linéaire et Tandem à Orsay) is the two-accelerator research platform of IJCLab (alto.ijclab.in2p3.fr). The first is a 15 MV Tandem accelerator which produces a wide range of heavy ion beams, from proton up to gold. ALTO is also unique in its capacity to provide high-flux naturally directional neutron beams with the LICORNE neutron converter in inverse kinematics. The second machine is a Linear accelerator (LINAC) for electrons up to 50 MeV 10 μ A that bombard an uranium carbide target as a driver to produce neutron-rich radioactive beams via the photo-fission process. With the delivery of a broad range stable and radioactive beams, its 10 beam lines and experimental halls equipped with diverse instrumentation, spectrometers and detectors, a wide-ranging research is available at ALTO from the study of the fundamental properties of nuclei, key processes for nuclear astrophysics, interaction of ions with matter to the developments in dosimetry and radiobiology. Several projects carried out at ALTO, such as the laser spectroscopy, ion trapping will be pursued at GANIL in the future low energy experimental hall DESIR. The general characteristic of the current development, SPACE ALTO, to increase the added value of ALTO for industrials will be described. And a brief description of the ALTO facility as well as some of the latest results and on-going research program will be presented.

Author: Dr MINAYA RAMIREZ, Enrique (IJCLab)

Presenter: Dr MINAYA RAMIREZ, Enrique (IJCLab)

Session Classification: Parallel session

Track Classification: Accelerators and Instrumentation