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Reaccelerating Rare Ions Beams at GANIL

Thursday 5 December 2019 09:30 (30 minutes)

The SPIRAL (Système de Production d'Ions Radioactifs en Ligne) facility (now SPIRAL1) has been in operation since 2001. The description of the facility and the physics results after a decade of its running are presented in Ref. (1). More recently a new target ion source (FEBIAD + Carbon target) has been installed and the charge breeder has been upgraded. These have been implemented considering all the safety measures required by the French nuclear safety authorities.

We will present the status and future perspectives with ISOL beams (low and high-energy Rare Ion beams at GANIL from SPIRAL1 and SPIRAL2-Phase1 using the Super Separator Spectrometer (S3). The talk will then mainly focus on the physics program.

1) A. Navin, F. de Oliveira, P. Roussel-Chomaz, and O. Sorlin J. Phys. G: Nucl. Part. Phys. 38 (2011) 024004

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