

Short, middle and long range plans at GANIL

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- Abstract -

Some recent results obtained at GANIL in the study of nuclei far from stability will be presented. The main part of the talk will be devoted to middle and long term developments foreseen at GANIL.

In the near future the SPIRAL facility will deliver first beams. This new rare isotope beam facility based on the ISOL concept will be described in detail. SPIRAL is now technically ready, it was successfully tested and will enter into operation this year.

The next major modification of the GANIL facility is foreseen for about 2005. It consists in an extension of SPIRAL called SPIRAL II, aiming to enlarge the range of produced isotopes towards the heavier, neutron rich nuclei. This project is based on fission induced by beams delivered by a new high intensity electron or deuteron driver. Both solutions, now under study, will be described and compared in the present talk. A preliminary design of SPIRAL II is going to be prepared for next summer.

Finally, it will be shown how we consider SPIRAL II as an element of a long-term strategy in which the European Second Generation ISOL-type facility - EURISOL- is a final goal.