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New Target Ion Source Systems at GANIL/SPIRAL 1: prospective

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SPIRAL1 facility is currently under transformation [1] in order to extend the range of radioactive ion beam offered to users. It will be able to host a larger variety of Target Ion Source Systems by the end of 2016, needed to fulfill the production requirements related to the chemical variety of the isotopes demanded by the physicists. The extent of the transformation is limited by the frame of the safety regulation and by the existing facility. Nevertheless, several combinations of mono-charged or multi-charged ECR, FEBIAD and surface ionization sources with new target materials [2] will become possible. Some of these combinations are already under test. Next ones will be presented versus scientific priorities and technical possibilities.

[1]: M. Dubois et al, contribution to this conference.

[2]: P. Delahaye et al, contribution to this conference.

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