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Status and perspectives of the PRESPEC campaigns

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PRESPEC is a collaborative European project to construct and operate detector set-ups at the SIS/FRS facility at GSI for nuclear spectroscopy. It builds upon the successful RISING project and employs equipment that was used in RISING as long as is appropriate. It is also aimed at preparing for the spectroscopy to be carried out with HISPEC/DESPEC at NUSTAR/FAIR by commissioning and employing components developed for HISPEC/DESPEC already at the SIS/FRS facility.

The just finished first PRESPEC campaign dealt with In-beam spectroscopy at relativitic energies using 105 EUROBALL Ge detectors and the HISPEC particle calorimeter LYCCA. Preparations have started to replace the Ge detectors by the AGATA array for another in-beam campaign which will start in 2012. A third campaign is planned around 2014 dealing with decay gamma spectroscopy.

First results of the previous campaign and the perspectives for the future campaigns will be presented.

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