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Nuclear Structure studies with gamma-rays with AGATA@GANIL

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The AGATA campaign started in 2015 at the GANIL Facility - Caen, France. High resolution gamma -ray spectroscopy is since performed with unprecedented sensitivity using the heavy ions beams provided by the CSS cyclotron complex. The european tracking array was coupled to ancillaries such as the VAMOS magnetic spectrometer, the high efficiency PARIS LaBr3 array and several devices for nuclear lifetime measurement from the ns to fs scale. In 2018, the setup was modified and AGATA was coupled to the NEDA neutron array and Diamant charged particule. In-beam spectroscopy was performed from light to heavy element from the $N=Z$ line to the very neutron rich isotopes covering therefore many of the current interest in nuclear structure.

Results from 2015 and 2016 will detailed following the publication of the first results as preliminary spectra from the 2017 and 2018 beam time will be shown.

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Session Classification: Plenary