

Plenary Talk PV XIV Fri 9:45 Kurt-Alder HS Chemie
Latest results on gamma spectroscopy with AGATA —
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The study of nuclear structure around and away from the valley of stability has led to the discovery of new phenomena, such as the occurrence of new shapes, new shell closures and shape coexistence. The detailed study of these features require the use of state-of-the-art gamma spectrometers, such as the AGATA gamma-ray tracking array, providing the highest detection efficiency and position sensitivity, crucial to

pin down weak signals.

The Advanced GAMMA Tracking Array (AGATA) is a major European project, involving over 40 institutes in 12 countries, to develop and operate a high-resolution gamma-ray tracking spectrometer. AGATA is a travelling instrumentation visiting the major European laboratories, GANIL (Fr), GSI-FAIR (D) and INFN-LNL (I).

In this plenary talk the main features of the AGATA array will be presented, together with highlights of the campaigns at the 3 main European laboratories, with a look forward to future campaigns.