
RECENT RESULTS WITH THE ACTIVE TARGET MAYA, AND THE FUTURE ACTAR TPC

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The MAYA active target, build at GANIL in the beginning of the years 2000 [1], is a time projection chamber for low energy nuclear reactions where the gas is employed as target. By increasing the luminosity it allowed several type of experiments, in particular with secondary beams, from resonance scattering to fission study. In this talk we will present some of the last publications, using the study of giant resonances in exotic nuclei as guiding thread. The future detector : The Active Target and Time Projection Chamber (ACTAR TPC) build with a denser (16384 pixels) pad plane [2] and the digital electronic GET [3] is now being constructed. Results from recent in-beam experiments using a 2048-channel prototype as well as the overall time-line and status of ACTAR TPC at GANIL will be also presented.

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