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Recent activities on an active target CAT-M

An active target CAT-M has been developed to perform traditional reactions with light ions in inverse kinematics. Recently we installed a dipole magnetic field using permanent magnets to improve the signal-to-noise ratio by confining delta-electrons within the beam region. TTT silicon detectors from KU Leuven were employed for a better angular resolution in laboratory frame and resulting better excitation energy resolutions. In this paper, the recent development and series of experiments will be introduced.

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