Gamma-ray tracking and background suppression in the planned germanium array of DESPEC: a comparative analysis

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Identification of the Compton escapes: Rather than selecting "good" events using a threshold on χ^2 Analyse the full-energy and the escape events separately No threshold in the algorithm

Performance of tracking (1 mm position resolution)





DESPEC: Considered configurations

6 clover detectors

24 planar modules

16 planar modules

Planar detectors

Compton suppression

Ambient Background suppression

Planars vs segmented Clovers

6 clover detectors

662 keV

Thank you!

