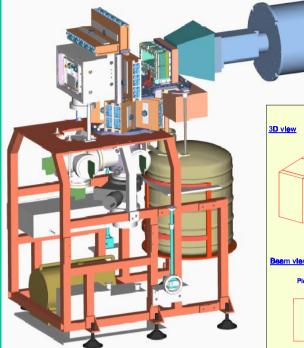
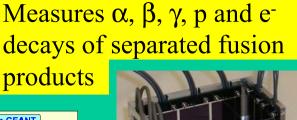
The GREAT Spectrometer

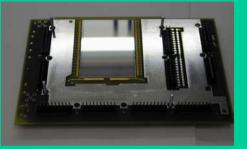


GREAT view in GEANT 3D view United States of the states of





28 Si PIN diode box



thesteles hosters

<mark>Total Data Readout</mark>

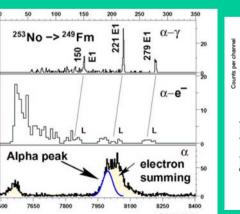
Novel triggerless data acquisition eliminates common dead time

Two 60 x 40 double-sided Si strip detectors are used

Clover Ge detector and 24 x 12-strip planar Ge detector

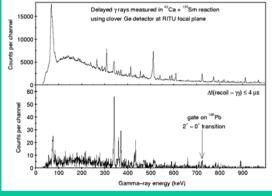
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 α , γ and e⁻ spectra taken using prototype set-up shown top right

Prototype Experiments



Singles (top) and γ - γ coincidence (bottom) spectra measured using clover Ge detector

GREAT is a Liverpool – Daresbury – Jyväskylä – Keele – Manchester – Surrey – York collaboration