

LAMPS START COUNTER R&D STATUS

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START counter design













Vito counter design



Sπ**RIT** Detectors



Example of some physics run trigger rates ~ 50 Hz

KOBRA Start Counter





KOBRA Requirement for plastic detector -Time resolution : ~ 50 ps (RMS) or ~100 ps (FWHM) -Active area : 10 cm x 10 cm (required minimum area = 5 cm x 5 cm)

Performance test with Am-241 -Time resolution ~61ps with light guide, ~44 ps w/o light guide.

Plastic scintillator : EJ-230 PMT : H2431-50

