

Abstract Submitted
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Study of the β -decay of ^{32}Na at ISAC/TRIUMF¹ CALEB M. MATTOON, FRED SARAZIN, Colorado School of Mines, GREG HACKMAN, TRIUMF, 8PI COLLABORATION — The β -decay of ^{32}Na is investigated at TRIUMF/ISAC. A beam of 2-3 atoms per second, produced by impinging a proton beam on a Tantalum target, was implanted on a tape at the center of the $8\pi + \text{Sceptar}$ array, a combination of 20 Compton-suppressed HPGe detectors and 20 plastic scintillators. The tape transport system removed long-lived daughter products from the array. Additionally, $(\beta\gamma)$ -coincidences provided clean-up of the spectrum by removing events unrelated to the β -decay. Work is in progress in determining γ -emission schemes, relative intensities, and possible placements of unknown lines.

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