Study of the $\beta$-decay of $^{32}$Na at ISAC/TRIUMF$^1$ CALEB M. MATTOON, FRED SARAZIN, Colorado School of Mines, GREG HACKMAN, TRIUMF, SPI COLLABORATION — The $\beta$-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$\pi$ + 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 $\beta$-decay. Work is in progress in determining $\gamma$-emission schemes, relative intensities, and possible placements of unknown lines.

$^1$Work partially supported by DOE