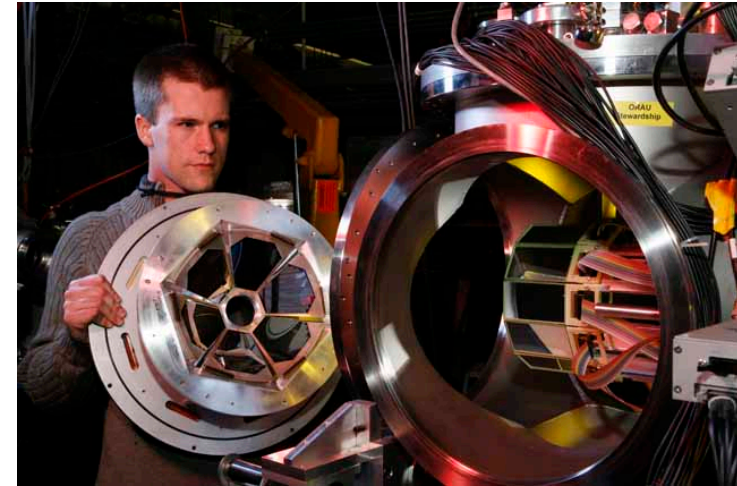


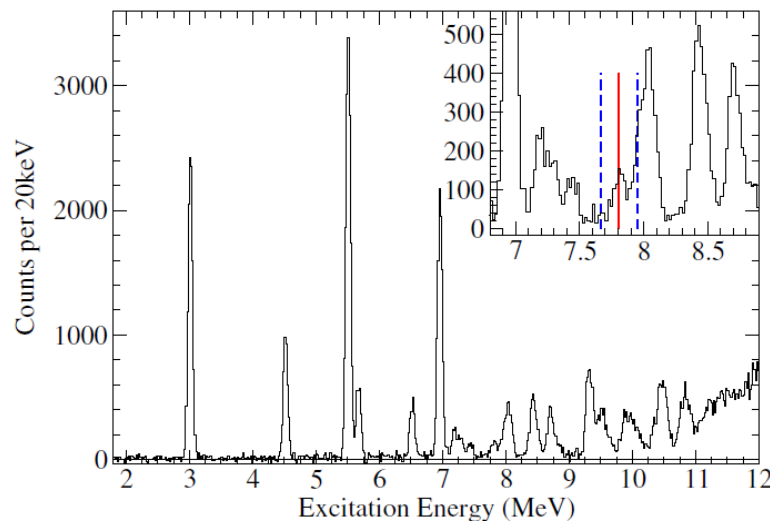
$^{26}\text{Al}(p,\gamma)^{27}\text{Si}$ at Stellar Temperatures



The rate of the $^{26}\text{Al}(p,\gamma)^{27}\text{Si}$ reaction at stellar temperatures determines, in part, the contributions that various stellar events make to the observed ^{26}Al γ -ray flux from the Galactic center. The rate has been constrained via an $^{26}\text{Al}(d,p)^{27}\text{Al}$ study at the ORNL Holifield Radioactive Ion Beam Facility.



The SIDAR and ORRUBA arrays of silicon strip detectors.



Key resonances were observed and constrained for the first time from this study. The strength of an important resonance was found to be 4 times larger than previous estimates.

