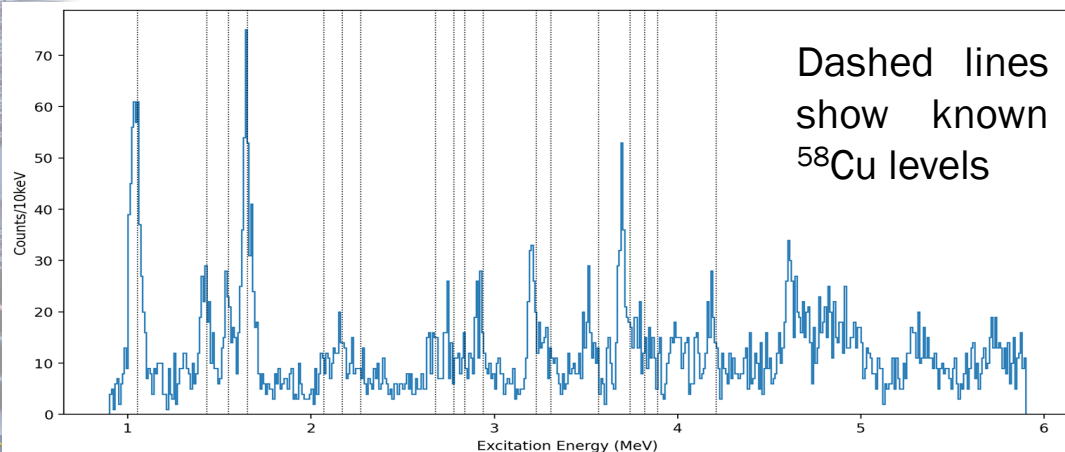
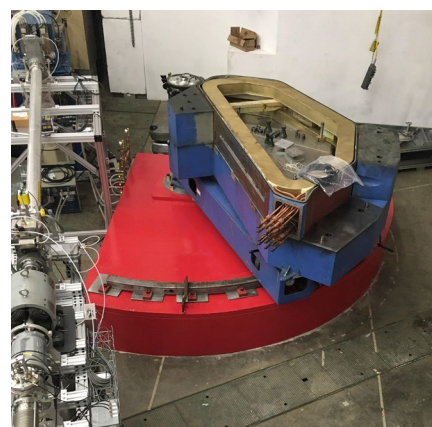


Engel Spectrometer Used In First Experiment



The Notre Dame Engel Split-Pole Spectrometer was transferred from ORNL and underwent a complete refurbishment. It was recently used for first experiments, and its availability opens new opportunities to study nuclei with high precision using transfer reactions.



The $^{58}\text{Ni}(^3\text{He}, t)^{58}\text{Cu}$ reaction was studied to understand $^{57}\text{N}(p, \gamma)^{58}\text{Cu}$ for core-collapse SN nucleosynthesis. Several peaks not corresponding to previously known levels were identified.



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