

Abstract Submitted  
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**Implementation of the Tri-Sol System** SYDNEY COIL, PATRICK O'MALLEY, DAN BARDAYAN, University of Notre Dame — The twin solenoid system, also known as Twin-Sol, has been essential in the past for producing unstable beams and subsequently refocusing these beams for analysis. To improve on the system, an addition of a third solenoid has been commissioned, therefore turning Twin-Sol into Tri-Sol. This upgrade to the system was completed and tuned for four discrete energies using an alpha source. The system was then again tuned with two different radioactive beams (RIBs). This RIBs tuning is the first in a group of three tunings for the Tri-Sol system. Upgrading to Tri-Sol will give the capability to study the decay of unstable beam by improving the beam optics and purity.

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