

Abstract Submitted  
for the DNP20 Meeting of  
The American Physical Society

**Visualization and Interpolation of Field Mapping Data<sup>1</sup>** ANITA AGASAVEERAN, THOMAS BAUMANN, PAUL GUEYE, Michigan State University, MONA COLLABORATION — The MoNA Collaboration utilizes a large-gap (14 cm) high-field (4 T) Sweeper dipole magnet in invariant mass studies of neutron-unbound states. For the invariant mass reconstruction, charged particles need to be tracked through the magnetic field of the Sweeper. 2D planar maps of the vertical component of the magnetic field were measured across the gap when the magnet was commissioned using an array of seven Hall probes placed at different vertical positions. The collected data is being analyzed to generate a 3D field map. Techniques to visualize and and interpolate the measured field map will be presented and discussed.

<sup>1</sup>Supported by the National Science Foundation under Grant PHY-1936404

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Date submitted: 31 Jul 2020

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