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Operational Experience with the MICE Spectrometer Solenoid System

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The Muon Ionization Cooling Experiment (MICE) located at Rutherford Appleton Laboratory at England utilizes a superconducting solenoid system for the muon beamline that also holds particle tracking detectors and muon absorbers inside their bores. The solenoid system installation has been completed in summer of 2015 and after commissioning of the system it has been running successfully. This paper summarizes the commissioning results and operational experience with the magnets focusing on the performance of the two Spectrometer Solenoids built by the US.

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