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## Status of the H<sup>-</sup> pre-injector test stand at ISIS

*Tuesday, 9 May 2023 16:30 (2 hours)*

The H<sup>-</sup> linac pre-injector used at the ISIS spallation neutron and muon source is being upgraded to include a medium energy beam transport (MEBT) line after the radio frequency quadrupole (RFQ). The improved beam transport allows the use of a more modern and reliable RF-driven H<sup>-</sup> ion source. To test the new ion source and MEBT for long-term end-to-end reliability, an entire pre-injector test stand (PITS) is being assembled offline. All beamline components are installed on the PITS and electrical services are nearing completion. The latest performance of the ion source will be presented, including beam current measurements and emittance scans.

### Funding Agency

### Footnotes

### I have read and accept the Privacy Policy Statement

Yes

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