



MERIT – status and schedule

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<http://cern.ch/merit>

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Status



- Mercury loop
 - Tested at building 183; positive
 - Installed and operated in TT2A
 - Remotely controlled
- Solenoid & Cryostat
 - Insulation improved; magnet leads repacked
 - Performance at building 180 satisfactory



Safety reviews



- Solenoid&cryogenics:

<https://edms.cern.ch/document/710659>

Response: <https://edms.cern.ch/document/849566>

- Mercury loop & transport

<https://edms.cern.ch/document/754444>

Response: <https://edms.cern.ch/document/849574>

- Pre-installation:

<https://edms.cern.ch/document/843377>

Response: <https://edms.cern.ch/document/847354>



Open issues



No show-stoppers found.

- Collection and drainage of condensation on cryostat surface.
 - Catch basin connected to the tunnel drain – to be designed and installed

- Closing concrete shielding next to door D201
 - Limited time left for access to TT2 – needed for installation
 - Closing shaft during beam operation possible?



Schedule



- Access granted to TT2A on 11th, 14th and 18th June 2007
 - “sufficient” to complete installation without cryogenic lines
 - Installed by 18th June: safety systems, beam line, beam instrumentation, mercury loop, solenoid, diagnostics
- Resources to install cryogenics limited
 - AT/ECR committed to ATLAS installation during June-August
 - Installation of remaining cryogenics during autumn or shut-down.

In agreement with physics coordinator and AB/OP

- Intermediate state of MERIT installation to allow beam commissioning with mercury loop and diagnostics systems still in year 2007
- Final MERIT physics in 2008