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LHCb Silicon Tracker TWiki

This page is an experiment trying to collect documents and information relevant for the commissioning of the Silicon Tracker, and to provide a forum for the discussion of commissioning-related topics. LHCbST

Silicon Tracker Commissioning Meeting

Join the lhcb-st-piquet or the lhcb-inner mailing lists to get email reminders of the weekly run meeting.

* Cooling plant status [↗](#)

How tos

- ST TELL1 Emulator page
- ST Vetra Analysis page
- ST Vetra Conditions Database How to
- Condition Tag Collector
- 2010 Analysis
- Viper python scripts

TED + pedestal runs

- ST 2009 TED run
- 2010 TED run
- IT Pedestal running

Documentation

- Condition Tag Collector
- ST Notes living archive

Data Quality and monitoring

- DAQ and Monitoring page
- TT DQ Summary
- IT DQ Summary
- DQ Summary Columns

Production data

- optical power test data from Digitizer Board commissioning [↗](#)

Partitioning

- Channel numbering and readout partitioning for the Silicon Tracker [↗](#) (LHCb note 2006-003, pdf)
- High Voltage Distribution study (OBSOLETE!) [↗](#) (excel)
- Low voltage distribution control in Svce boxes [↗](#) (ppt)
- IT ECS hierarchy [↗](#) (ppt)
- HV patchpanels [↗](#): in the cavern
- IT/TT LV long distance cabling [↗](#) (xls)
- IT/TT HV Distribution 2007 (Updated 30.11.2007 by PV [↗](#) (xls)

- IT Service Box mapping [↗](#)
- IT_OpticalFiber_SvcBox_Module_Mapping.xls: IT Mapping of Modules/Cables/Service-boxes/Optical-fibres

TT partitioning

- TT readout mapping spreadsheets [↗](#)
- TT DAQ hierarchy [↗](#) (pdf)
- TT HV hierarchy [↗](#) (pdf)
- TT LV hierarchy [↗](#) (pdf)
- TT flowswitches, flowmeters and temperature mapping [↗](#) (pdf): detector to patchpanel on detector frame
- TT patch panels on top of service boxes [↗](#) (pdf)
- TT HV mapping [↗](#): cable chain to patchpanel on top of Service Boxes
- TT HV cabling [↗](#): Service Boxes to Balcony
- Internal cabling of TT HV patchpanels on top of Service Boxes (fixed mapping) [↗](#) (xls)
- TT LV mapping [↗](#) between Service Boxes and MARATON PSUs on balcony
- TT cable chain load plan [↗](#)
- TT readout cabling plots [↗](#) (no longer maintained, see TT readout mapping spreadsheets [↗](#) for up-to-date information)
- Modification of TT High Voltage Patch Panel due to a new TT Readout partitioning [↗](#) (ppt)
- TT module installation plan [↗](#), as presented by Johannes during the LHCb week in Saint-Nectaire.
- TT Service Box mapping [↗](#)
- detailed cabling info at detector patchpanel [↗](#)

Operation procedures

- IT Online commissioning [↗](#) (html)
- IT DAQ [↗](#) (html)
- Maraton LV tests and commissioning recommendations [↗](#) (pdf)
- How_To_LV_(en).doc: How To start to work with Maraton PS
- Parametros_OPC.xls: OPC Parameters for Maraton PS
- TT cooling station manual [↗](#)
- IT cooling station manual [↗](#)
- TT opening and closing manual [↗](#)
- TT DSS document [↗](#)
- IT DSS document [↗](#)

Commissioning status

- Module_status.xls: TT module status
- ITtestResults.xls: IT-Test-Status
- Optical_power.xls: TT optical power measurements (signal and TFC)
- LHCb Detector activities Shutdown 2008 2009

Discussion

Potentially useful links

- Silicon Tracker homepage [↗](#)
- Silicon Tracker electronics page [↗](#)
- LHCb EDMS documents [↗](#)

-- OlafSteinkamp - 05 Apr 2007

This topic: LHCb > LHCbSTCommissioning

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