

MTE workshop 2010

Report of Contributions

Contribution ID: 0

Type: **not specified**

Status of commissioning with beam

Friday 24 September 2010 09:15 (30 minutes)

- Performance and reasons to stop normal operation with MTE
- Issues encountered (controls, instrumentation, kickers)
- Next steps
- Requirements for completing the commissioning in 2010 (instrumentation, controls, OP support, time required in dedicated mode)
- Optics of the extraction line
- Impact of MTE-related studies on other operational beams

Author: Dr GILARDONI, Simone (CERN)

Presenter: Dr GILARDONI, Simone (CERN)

Contribution ID: 1

Type: **not specified**

Measurements' analysis

Friday 24 September 2010 09:55 (30 minutes)

- Stability issues
- Required tools and instrumentation

Presenter: Dr GIOVANNOZZI, Massimo (CERN)

Contribution ID: 2

Type: **not specified**

☒ Operations point of view

- Status of required tools
- Comments on operational experience

Contribution ID: 3

Type: **not specified**

Operations point of view: PS

Friday 24 September 2010 10:50 (30 minutes)

- Status of setting up after the first operational period
- Things to be re-done
- Status of the transfer line
- Requirements for operation of Fixed-Target/CNGS with MTE

Author: STEERENBERG, Rende (CERN)

Presenter: STEERENBERG, Rende (CERN)

Contribution ID: 4

Type: **not specified**

XCv

Contribution ID: 5

Type: **not specified**

Operations point of view: SPS

Friday 24 September 2010 11:30 (30 minutes)

- Status of setting up after the first operational period
- Things to be re-done
- Status of the transfer line
- Requirements for operation of Fixed-Target/CNGS with MTE

Author: CORNELIS, Karel (CERN)

Presenter: CORNELIS, Karel (CERN)

Contribution ID: 6

Type: **not specified**

Radioprotection issues

Friday 24 September 2010 12:10 (30 minutes)

- Status of ring (septum excluded) after MTE operation
- Septum activation
- TT10 hot spot
- Linac 3 area
- CT vs. MTE in terms of losses
- Requirements for running with MTE
- Long term requirements in case of MTE running: shielding on top of SMH16, barracks in the ring center

Author: WIDORSKI, Markus (CERN)

Presenter: WIDORSKI, Markus (CERN)

Contribution ID: 7

Type: **not specified**

Power converters stability

Friday 24 September 2010 14:15 (30 minutes)

- Check with new observation tools: PFWs, F8L, low-energy quads, sextupoles and octupoles
- B-field fluctuations

Author: FREYERMUTH, Pierre (CERN)

Presenter: FREYERMUTH, Pierre (CERN)

Contribution ID: 8

Type: **not specified**

General status of instrumentation

Friday 24 September 2010 14:55 (30 minutes)

- Status of beam current transformers
- TT2 couplers: what is needed to make them operational
- Status of new wire scanners
- Status of LHC BLMs: actual and expected performance

Author: Mr GRAS, Jean-Jacques (CERN AB-BDI)

Presenter: Mr GRAS, Jean-Jacques (CERN AB-BDI)

Contribution ID: 9

Type: **not specified**

Considerations on performance of extraction elements

Friday 24 September 2010 15:50 (30 minutes)

- Aperture and strength margins for SEH31
- Performance of BFAs –pedestal and staircases - (strength and PPM capabilities)
- Aperture margins for SMH16
- Issues with MTE kickers (sparking). Fancy operation: change of polarities
- Limitations in case of test for new extraction schemes in combination with CT operation
- Performance of DFA in TT2 (ppm)
- Spare policy of SMH16 with MTE
- Spare policy of SEH31 with MTE hybrid

Presenter: SERMEUS, Luc (CERN)

Contribution ID: **10**

Type: **not specified**

New MTE extraction scheme to mitigate irradiation of SMH16

Friday 24 September 2010 16:30 (30 minutes)

- Principle
- Required measurements

Presenter: Dr GIOVANNOZZI, Massimo (CERN)