

September CNAO data taking

Michela Marafini, Slivia Muraro, Matteo Morrocchi

Schedule – Tracker test

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
1 Sept. Arrival at CNAO / Installation	2 Sept. Installation (alignment and DAQ tests)	3 Sept. IT tests	4 Sept. IT tests	5 Sept. IT tests	6 Sept. 22:00 - 24:00 Beamtime	7 Sept. 00:00 - 06:00 Beamtime
8 Sept. Dismount	9 Sept. Dismount					

- ***No access will be possible in the weekend, except for the allocated beamtime***
- ***Access to the experimental room is possible from about 9:00 to about 17:30 in working days***
- ***The weekend of 30 - 31 of August there will be another group in the Experimental room***

Tracker tests

There are tests that need to be performed without the beam, this is the main reason of installing the setup the 1st and 2nd of September

- Check the IT cabling (detector map)
- Threshold scan
- DAQ tests

The availability of beta source to be used in the Experimental Room will be verified on Monday with Marco and Michele

- Detector map
- Basic checks on sensors response

Tracker tests

Tests with beam (let's remember that we have 8 hours only in September!)

- Energy/Threshold scan with protons for VTX/IT
- 200 MeV/u Carbon for global alignment, for IT inter/alignment, for test global tracking without magnetic field?
- The plan depends also on the results obtained the 3rd-5th September on IT

Other points:

- At the Physics meeting we decided to use the following detectors
 - SC, BM, VTX, IT, MSD, TW → Test global tracking w/o B-field

Detailed plan

Day: 1 Sept																										Meccanici	DetectorExp	DAQ
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00				
Montare																												
Allineare																												
Testare IT																												
Day: 2 Sept																										Meccanici	DetectorExp	DAQ
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00				
Montare																												
Allineare (Allessio svp)																												
Testare IT																												
Day: 3 Sept																										Meccanici	DetectorExp	DAQ
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00				
Montare																												
Allineare (Allessio svp)																												
Testare IT																												
Day: 4 Sept																										Meccanici	DetectorExp	DAQ
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00				
Montare																												
Allineare																												
Testare IT																												
Day: 5 Sept																										Meccanici	DetectorExp	DAQ
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00				
Montare																												
Allineare																												
Testare IT																												
Day: 6 Sept Pullia																										Meccanici	DetectorExp	DAQ
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00				
Montare																												
Allineare																												
Testare IT (Pullia)																												
Day: 7 Sept Pullia																										Meccanici	DetectorExp	DAQ
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00				
Montare																												
Allineare																												
Testare IT (Pullia)																												
Day: 8 Sept																										Meccanici	DetectorExp	DAQ
	0:00	1:00	2:00	3:00	4:00	5:00	6:00	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00				
Montare																												
Allineare																												
Testare IT																												

Days for beam tuning

[illegible]

- ***No other groups in the Experimental room between these days and the data taking!***

Radioprotection and Safety

- All the materials that will be used in the data taking have been already used in the past at CNAO. If not, please let us know.
- Most of the medical certificates are expired, please provide us the new ones.
- **The Local Coordinator (or a delegate) of each group participating in the September data taking must send us the list of people involved in the test, specifying whether or not they are exposed, so that we can verify the required documentation with CNAO. Please also indicate if any of the people involved have a different employer compared to the last data taking (e.g., postdocs with new contracts).**