

Readiness for Test-beam 2012

S.Bettarini

SPS Operation

Period 6 2012 Oct 27 to Dec

Schedule issue date: 12-September-2012 Version 1.0

(colour code: purple (dark) = scheduling m

		Sat 27 Oct	Sun 28 Oct	Mon 29 Wk44	Tue 30 Oct	Wed 31 Oct	Thu 1 Nov	Fri 2 Nov	Sat 3 Nov	Sun 4 Nov	Mon 5 Wk45	Tue 6 Nov	Wed 7 Nov	Thu 8 Nov	Fri 9 Nov	Sat 10 Nov	Sun 11 Nov	Mon 12 Wk46	Tue 13 Nov	Wed 14 Nov	Thu 15 Nov	Fri 16 Nov	Sat 17 Nov	Sun 18 Nov	Mon 19 Wk47	Tue 20 Nov	Wed 21 Nov				
Machine		717					820					20					717					717					717				
		WED MD					BUE MD					BUE MD					WED MD					TUE MD									
ITH AREA	T2 -H2	8h D Lazic					CMS-CALSiBT					8h M Prest					TWICE					8h I Laktineh					SDHCAL				
	T2 -H4	8h A P					CBM-GEM					8h H R Schmid					RD51					8h M Calviani									
	T4 -H6	8h H Wilkens					A-IBL/BII					8h A Ceccucci					GTK-ITS					8h R Lemmon AT					ARACH-ITS				
	T4 -H8	8h H Schindler					LHCb-AMUON					8h W Klempt					CALICE-WDHCAL					8h H Schindler					LHCb-AMUON				

Logistics

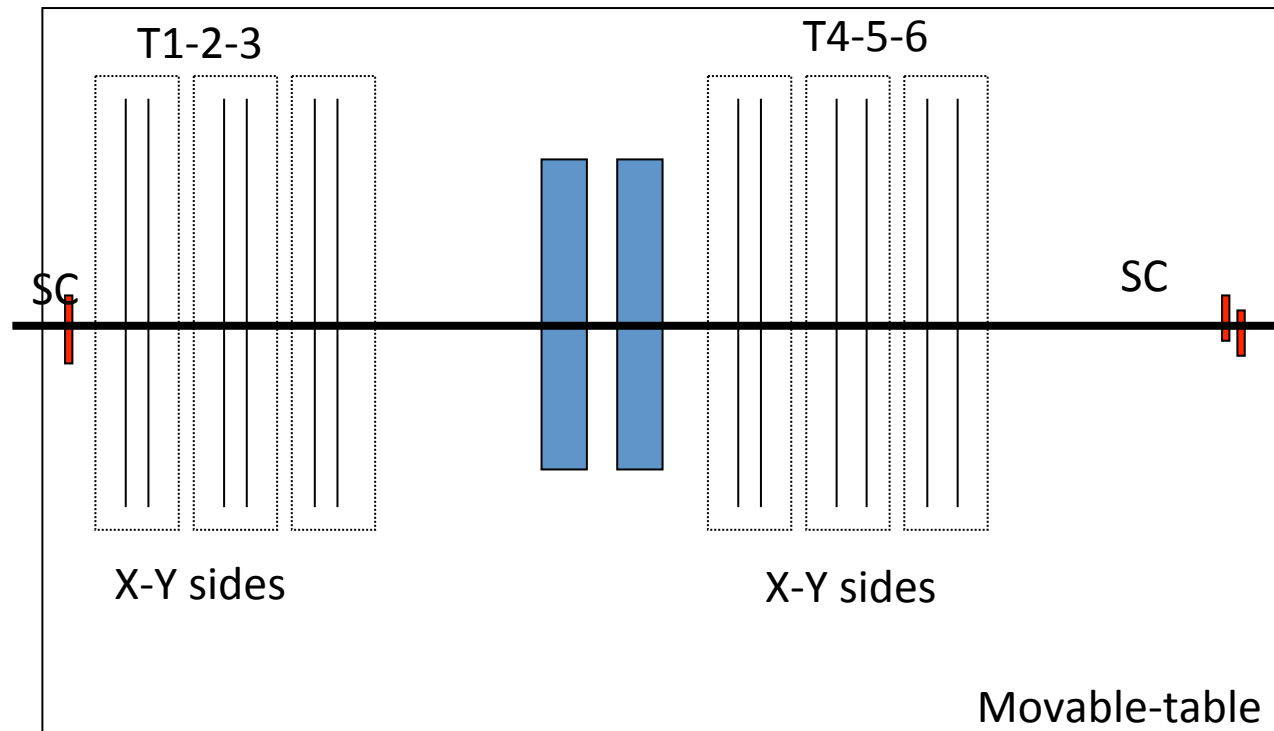
- Start: 8 am on Tuesday 13/11
- We'll use H6B station as in 2011
- Sharing the beam-time: minimized the interferences because Pestonik uses H6A
- Contacting Lemmon to ask if possible to mount our equipment in advance
- Same “mechanics” as in 2011: same table (To), mechanical supports for telescope/DUTs (w/o triplets)
- Not perform a system test in Bo (only a whole DAQ test)
- Use car/small truck (s) of the INFN sections Bo/Pi/To/Ts to take to CERN (via France) our equipment
 - Must decide the dates (...constraints)

Tavola movimentata: D. Gamba

“Comunque la tavola e' pronta. Noi pensiamo di andare al CERN con furgone il giorno 7 (wed.) o 8 Novembre, preparare il tutto che sia spostabile in sicurezza.

Se per caso tu appurassi che durante il MD del 5-6 o 8 Novembre l'area sperimentale dove montare il tavolo fosse accessibile , potremmo gia' spostarla li' e metterla in linea col fascio.”

Test beam 2012: which DUTs



List of possible DUTs

- **Analog MAPS:**
 - INMAPS(High- Ω and Low- Ω irr. and not irr.)
 - V.I. 3D MAPS?
- **Digital MAPS:**
 - INMAPS 32x32 (High- Ω and Low- Ω not irr.)
 - 3D-TC
- **Lowest Priority:**
 - SuperPix0
 - Lower THR (peace-keeper working?)
 - DIASuperPix0

To be set a priority list!
(available only 5 days of beam)

Work in Lab. to be done

- Characterization:
 - With TLA:
 - 3 chips INMAPS 32x32 high- Ω (Pi)
 - 3 chips 3D-TC (Pi)
 - 2 chips DIASuperpix0 (Pv/Lecce)
 - Superpix0:
 - THR correction tests with chips TB2011 (Pi)
- DAQ(Bologna):
 - Writing the firmware for INMAPS 32x32
(debug possible: apsel4D board + inmaps chip)
 - IDEM for chip 3D-TC
 - Understand if the peace-keeper can work with lower THRs w.r.t. TB 2011

ManPower

- On Analog MAPS HW:Eugenio
- Torino: D.Gamba et al. available to take the movable table to CERN and mount/dismount that
- Bologna: let's hear from Filippo/Carla/Mauro
- PV: Stefano Z. ready for shift!
- Boards/carriers: Fabio M. ready to go!
- Must converge on the list of people who can/want to contribute
- Analysis:
 - Alberto L. and Marcin available during the TB and after to have results soon(before Christmas!)
 - Alejandro working on analog matrices