Preparation for TS2

Plamen Hopchev CERN BE-BI-BL

BGV meeting #63

18 Aug 2015



- Access to the BGV area will possible only from **Mon morning (31st Aug)** to **Thu noon (3rd Sept)**
 - Because of the "RF conditioning" planned for Thu noon Fri evening
- Coordination discussion took place yesterday (17th Aug)
 - Notes from this meeting can be found on this Indico page (https://indico.cern.ch/event/438072/)
 - Discussed the various constraints
 - Agreed the schedule for the VSC intervention
 - The venting will be finished by Tue 9 am (earlier option exists)
 - Pump down to start on Wed morning or afternoon
 - Friday pm remove equipment

• The BGV IMPACT 67453 was approved

• If you plan to participate, please check that you are in the list, and that your access rights are OK



The BGV schedule from Marzia (v1)

				36		
				3 Mon 31/08 Tue 01/09 Wed 02/09 Thu 03/09 Fri 04/09 Sat 05/09		
Name	 Duration - 	Start	👻 Finish			
# BGV detector installation	4.38 days	31/08/15 09:00	04/09/15 12:00	tor installation		
Preparation	1 day	31/08/15 09:00	01/09/15 09:00	Preparation		
Venting of vacuum sector	2 hrs	01/09/15 09:00	01/09/15 11:00	Venting of vacuum sector		
Installation of BGV (4 lower detectors)	10 ehrs	01/09/15 11:00	01/09/15 21:00	Installation of BGV (4 lower detectors)		
Pump down	18 hrs	02/09/15 08:00	04/09/15 10:00	Pump down		
Remove pumps and pinch off	2 hrs	04/09/15 10:00	04/09/15 12:00	Remove pumps and pinch off		
Cabling, cooling and dry air installation	27 hrs	31/08/15 09:00	03/09/15 12:00	Cabling, cooling and dry air installation		
4 RF activities	2 days	02/09/15 19:00	04/09/15 17:00	RF activities		
RF cool down	8 ehrs	02/09/15 19:00	03/09/15 03:00	RF cool down		
ACS Sytem - Restart and Powering test	1.5 days	03/09/15 13:00	04/09/15 17:00	ACS Sytem - Restart and		

 We should prepare a more detailed plan – per day and with the intervening people

• The essential steps are given in the minutes of the last BGV meeting

• Foresee time for dismounting and re-mounting equipment, e.g. Downstream scintillators, Chamber cooling fans, ...



- What is the goal of this installation phase?
 Be ready for commissioning? Perform beam measurements later this year?
 ⇒ Implies that all crates and cables need to be in place
 - LV, HV, Temp. monitoring, ...
- It is essential that a detector expert from EPFL is present in the tunnel when we install and connect cables
- Do we install the horizontal rails and a plate on top of them?





Mounting test

Ongoing (Paolo)

Metrology of 2MAs

- Upstream Bottom 2MA: modules 07–4L and 08–4L
- Downstream Bottom 2MA: modules 02 and 03
- Sphere positions ready (match of the independent calculations by Valdir and Plamen)

• To-do:

- Position of Detector plate to be checked
- Detailed procedure/protocol to be prepared
- Measure the sides of the det. plate wrt. its targets (when adjusting in the tunnel will use an inclinometer attached to one side)
- When do we bring the first 2MA to the metrology lab? Who will take part?

Survey alignment in the tunnel

- Procedure discussed last week
- The measurements are scheduled for Tue evening (Survey are busy on Wednesday)



- Transport, cables, ...
- Status of sub-systems
- Organize a discussion with Raymond about the various procedures

1 out of 4 Temp. connectors have a clamp (left image).

OK?

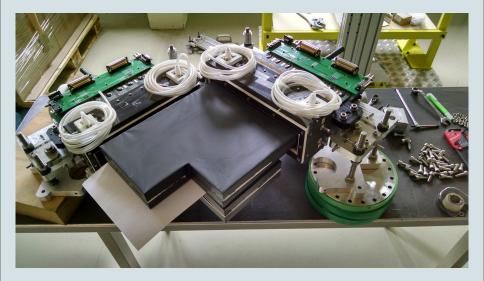


CERN





First 2MA!





First 2MA!

