

BGV

Date: week 46+1, Tuesday, 17.11.2015 17:03

Present

1. Mariana, Colin, Massi, Andreas, Quentin, Bernd, Vidyo: Olivier, Axel, Guido, Valdir

Agenda:

1. <https://indico.cern.ch/event/460275/>

Subjects:

1. Report from TS3: cooling 20', Speaker: Valdir Salustino Guimaraes (Univ. Federal do Rio de Janeiro (BR))
 1. table of the liquid losses for different periods shown
 2. silicone tube liquid penetration measurements done with 0.1 mg to 60 mg
 1. duration several hours
 2. samples for 5 mm and 16 mm inner diameter tubes are used
 3. all tubes have losses
 4. result in the ON state of the chiller agree with measurements, in total 30.0 g/hour
 3. TS3
 1. colling status
 1. all tubes are mounted on the modules
 2. some insulation need to finished
 2. next steps
 1. some liquid should be taken out of the tubes
 2. operation of the detector could be possible without refilling for 3 to 4 hours
 4. conclusion from the meeting with Olivier Crespo-Lopez
 1. metal cooling pipes are the most appropriate solution
2. Status of readout commissioning 20', Speakers: Mariana Narcisa Rihl (Austrian Academy of Sciences (AT)), Mariana Rihl (Vienna University of Technology (AT))
 1. in BGV logbook are some plots of the module signal (<http://lblogbook.cern.ch/BGV/101>)
 2. BGV module 2 data cable loose, during access fixed
 3. discussion of the cause of for the second module fault
 1. in the mean time repalcement card ready for installation
 4. Olivier BGV test beam at the SPS
 1. small beam, small number of multi clusters
 2. some saturation effects seen
 3. will be presented at one of the next meetings
 4. correction will be applied
3. AOB 20', set up small WG for detector data analysis/debugging, Plamen Hopchev, EPFL
 1. data defined to be taken up to the end of the run 2015
 2. expected particle rates shown
 1. trigger rates: proton 200e3, ions 10e3
 3. proposal for task distribution presented:
 1. channel reordering, (LHCb different order as used at EPFL)
 1. Quentin

2. pedestal, common mode
 1. Quentin
 1. tool needed
 3. clusterrisation
 1. Quentin
 1. consolidation needed
 4. track reconstruction
 1. Valdir, Plamen, Quentin
 5. alignment
 1. Murilo, Plamen
 6. Vertex reconstruction
 1. Plamen ?
 2. study of efficiency and speed
 7. monitoring task, check of data quality
 1. Mariana, Colin, Plamen, Anderas
 8. on-line measurements
 1. Mariana, Colin, Quentin, Andreas
 9. Transmit the results to the CCC
 1. Andreas, Colin
 1. Develop a fixed display in the CCC (in collaboration with BI-SW or OP)
 10. Transfer of raw data to tape (CASTOR/EOS)
 1. Colin, Plamen, Andreas
 1. mean time EOS the proposed solution
 2. EOS issue with Kerberos has to be followed up
4. next meeting in two weeks
 5. intermediate meeting for software

Action:

1. Bernd
 1. request access
2. Colin, Andreas
 1. arrange storage of BGV spare module
3. Mariana
 1. taking about 200E3 events, with protons and ions