Below a short summary of the 13th HWG meeting:  
1) TB data analyses  
- there were talks by Strahinja and Jakub, Veta was not able to attend  
- one of the main issues was to compare "the same" results regarding both the data and the MC simulations  
 -- to do it we decided to use Landau&Gaussian fit for muon calibration and then to take the MPV parameter from Landau (even if this is not perfect - see Strahinja comments/results, we will at least use the same method in all analyses)  
 -- regarding the shower there is similar issue (for instance Jakub uses Gaussian fit to get MPV), but for the shower  
   we decided to use average energy (fit independent) as the reference, and in addition to make the plots also for MPV  
 -- Aharon reminded that we should use histograms with smaller number of bins to have less fluctuations  
- we concluded that we need to compare final data results and final MC results (regarding shower development),  
  hopefully for the next tracking meeting (5th of August), because we should start writing a report/paper...  
 -- please make an effort to have results by that time  
2) Preparation of next TB  
- Itamar presented the results regarding TAB bonding, LumiCal sensors measurements, and VMM2 based readout with thin sensors  
  --  TAB-bonding: progressing well  
  --  sensors: very nice systematic measurements of leakage current, pad capacitance, and depletion voltage have been done in cooperation with Zeuthen for six LumiCal sensors  
 --  the whole chain comprising LumiCal sensor and VMM2 readout has been built and the signals from radioactive source have been seen - big progress. The issue of too many not responding channels need to be investigated.  
3) There was a short update by Hans/Lucia on fanout foil with tiny molded bumps for GaAs sensors  
 - first prototypes have been done, studies on contact quality are ongoing...  
  
We have decided to have the next HWG Meeting on 11th of August (2 weeks from now) at 4 pm CERN time.  
Best Regards,  
  Marek