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<th>Presentation</th>
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<td>Roundtable with liaisons</td>
<td>Agnieszka: Problem with drop of number of candidates (see minutes from July 26) is solved.</td>
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| Z movement study with RASNIK (Arthur) | A movement in z is observed for the OT with the (software) alignment. This is confirmed looking at the RASNIK data, and a similar trend is observed with the BCAM system for the IT. It looks like it would be a real movement of the bridge of the OT.  
Open points:  
• Compare IT and OT movements.  
• What is the sign of the slope? Is it consistent with the other measurements?  
• Check individual time periods.  
• What is causing the effect? |
| Refitting Z -> mumu with offline alignment (Stephen) | Z mass shows large dependence on phi of produced muons, leading to a broadening of the Z mass peak. Refitting the tracks with the new alignment (using Z -> mu mu) leads to a large reduction of this effect (and to some reduction of the chi2 of the tracks). The effect is much smaller for J/psi -> mu mu.  
Overall, there is a 15% improvement for the Z mass width.  
Open points:  
• Still room for improvement of momentum scale correction and curvature bias.  
• What’s the status of the momentum scale correction for Run II? |
| Time resolution in 2016 (Wenhua)   | The time-resolution for Bs -> J/psi phi decays was evaluated for 2016 data, in the same way as for 2015 data. The average time resolution is 44.9 +/- 0.1 fs, which is 0.6fs higher than in 2015 (statistical uncertainty only).  
Open points:  
• Understand improvement of time resolution in 2015/2016 wrt to Run I.  
  NB: The resolution is better in all bins of pT.  
• Revise list of HLT lines  
• Write (internal or public) note (?) |
| Update on tracking efficiencies (Michael) | A closer investigation of the problem with the Velo efficiency shows that difference between the 2\textsuperscript{nd} metal effect in data and the implementation in MC is most pronounced at low eta, which corresponds to the region of the largest data-MC difference for the long method. Investigations with the Velo method on exclusive J/\psi data and MC largely reproduce the difference seen in the long method. Open points:  
• For immediate use: Use the results of the long method only, double systematic uncertainty (0.8\% per track).  
• Produce new MC samples, with an adapted 2\textsuperscript{nd} metal effect (which should better represent collision data) and check the improvement. |
|---|---|
| Results from throughput test for upgrade reco (Thomas) | Idea is to compare the current upgrade reconstruction with the TDR. Both scenarios, with and without a GEC cut, compare well with the TDR. The largest difference is the PV reconstruction, which is much slower, which is not fully understood. Open points:  
• Commit everything to the master branch (i.e. the running upgrade sequence should be available in the master).  
• Strengthen communication with parallelization group. |