<table>
<thead>
<tr>
<th>Presentation</th>
<th>Discussion</th>
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<td>Roundtable with liaisons</td>
<td>Sevda: Will write a document about the time resolution studies.</td>
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|Data Quality Studies (Lucia)| Data Quality issues related to T&A were shown. They were:  
- A small difference in Delta X of the PV, but below the alignment precision.  
- Differences in IP vs. eta and phi: Also within alignment precision.  
- Different number of PVs and different track type distribution for the first run of a fill. The reason is most likely just coming from the fact that this is the first fill with lower luminosity (?)  
- IT2 TELL1 switched off: No real changes in the long track quality properties can be seen. One could check depending on the charge, but it looks like runs can be flagged GOOD.  
- Since run 176658 the masses are stable.  
- The track type distributions are different for runs 177067-177090 and 179346-179347 (less VeloTT and more Velo tracks). This is still not understood. |
|Kalman Filter studies (Daniel)| A status report of the (cross-architecture) Kalman studies was shown. The idea is to make processing of tracks in parallel possible, and test it on different CPU architectures. Depending on the architecture, large speed-ups can be achieved.  
**Open points:**  
- Give estimate for timing or speed-up for upgrade documentation. |
|2nd metal effect update (David)| An update of the 2nd metal effect parametrization in simulation was presented. The effect is now scaled such that it does not exist for low eta and is at 100% for high eta. This results in a significant increase in the number of reconstructible tracks and also in the efficiency, which is now only about 0.5% away from not simulating a 2nd metal effect at all, and a large gain is seen for low eta (as expected).  
**Open points:**  
- Ask for a test production with this change to re-evaluate the tracking efficiency. |