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<th>Presentation</th>
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<td><strong>News</strong></td>
<td>A number of JIRA-tasks were opened during the last hackathon, concerning T&amp;A (LHCBP5-1609 - LHCBP5-1612). Next hackathon: 19.-20. September. The real-time alignment and calibration talk at CHEP is still available.</td>
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| **Roundtable with liaisons** | Present: Renato, Sevda, Stephen, Giulio, Agnieszka, Laurent.  
Agnieszka: There seems to be a drop in candidates for the upgrade MC, not clear if it happens in Brunel or DaVinci. Investigating.  
Ronan: In CEP-data, the TT hit matching between tag-track and long-track does not seem to work, as there rarely seems to be an overlap. The origin is unknown. |
| **Fake peaks with clones in B+ -> mu+ mu+ mu+** (Ulrik) | In the corrected mass, a peak was observed at 4.5 GeV. Origin is triple clones, with a visible mass just above 3 times the muon mass. The clones are mostly located at x = -200mm in the T-stations and have a vertex around z=8500mm.  
Open points:  
- Why do these clones survive the reconstruction?  
- Is it an effect of IT & OT overlap?  
- Check if there is a difference between plus and minus clones. |
| **MVA in seeding algorithm** (Rabah) | Idea is to use an MVA to flag tracks and hits between the different stages. A neural net is chosen as classifier. There is a large (~50%) reduction in ghost rate, a gain in timing, but also a loss of efficiency of about 1.6%.  
Open points:  
- Tune algorithm such that there is less loss of efficiency.  
- Commit to a branch, such that it can be used by everybody. |
| **2\textsuperscript{nd} metal effect in simulation** (David) | The difference in tracking efficiency between switching the 2\textsuperscript{nd} metal effect on or off in simulation was studied, it is between 2 and 3%. Furthermore, the number of R clusters and the eta distribution of long tracks was compared between data and MC. The simulation seems to overestimate the effect a bit, leading to too few R clusters and too few tracks, mostly for low eta.  
Open points:  
- Does this explain the difference between data and MC? (The effect seems
too small to do so, but need to check)?

- Produce new MC with and without 2\textsuperscript{nd} metal effect?