



Interactions with LAr

Murrough Landon
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- Mapping discussions
- Optical plant (retract my earlier suggestions?)
- LAr TDR



Mapping discussions (1)

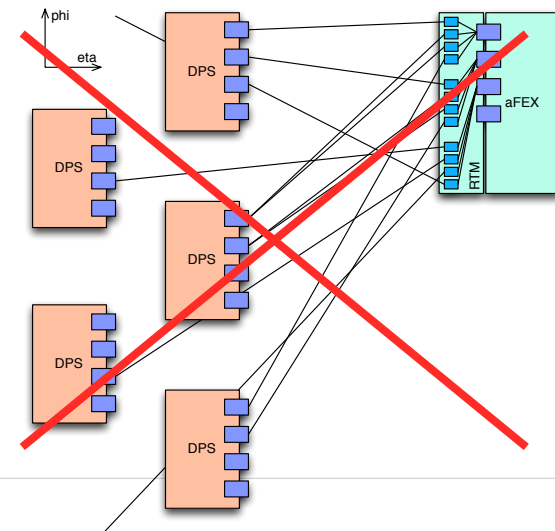
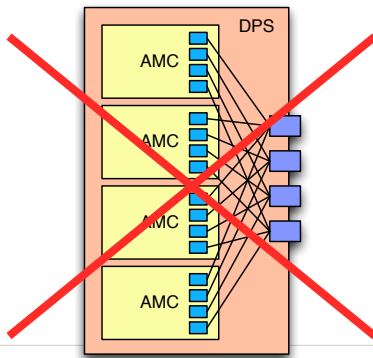
- Recent discussion on EMEC & HEC mappings

- <https://indico.cern.ch/conferenceDisplay.py?confId=267478>
- I suggested combining HEC and EMEC forward ($|\eta| > 2.4$) DPS
 - Could provide enough copies with any active/passive optical splitting
- Stefan Simion had alternate suggestion for EMEC standard ($1.6 < |\eta| < 2.4$) with EMEC forward
 - Fewer DPS needed for EMEC. Might then allow doubling of HEC DPS modules to give enough copies without active/passive splitting
- Not yet sure of relative impact on optical plant complexity
- But good that LAr may allow one or other way of underusing DPS modules to avoid subsequent splitting
 - Both schemes use 29 LDPB modules (cf maximum of 31 quoted in TDR)



Mappings and Optical Plant

- I recently made suggestions about the optical plant
 - L1Calo phone meeting during the holiday season:
 - <https://indico.cern.ch/conferenceDisplay.py?confId=249841>
- Use rear transition module as part of patch panel??
 - Scheme relied on merging outputs from DPS FPGAs
 - However this is considered very undesirable by LAr
 - AMC front panel is the module front panel
 - Merging micropods from different AMCs is hard and would make changing one AMC more difficult
- So need to think again...





LAr TDR

- Now released to ATLAS
 - <https://cds.cern.ch/record/1597130/>
 - So far examined by team of ATLAS readers including Steve, Sten and myself
 - Would be good if more L1Calo people took a look at it...