

ILD subdetectors

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Subdetectors

- What kinds?
 - **Vertexing**
 - **TPC**
 - **Silicon trackers**
 - **ECAL, HCAL**
 - **Muon**
 - **Magnet**
 - **DAQ**
 - **Forward region CALs**
 - **MDI/integration - WG exists**

Subdetector Collaborations

- What kinds?
 - **Vertexing**
 - **TPC : LCTPC**
 - **Silicon trackers : SILC**
 - **ECAL, HCAL : CALICE**
 - **Muon**
 - **Magnet**
 - **DAQ**
 - **Forward region CALs : FCAL**
 - **MDI/integration - WG exists**

Subdetectors with Collaborations

- ILD needs subdetector groups to
 - **Write LOI subdetector sections**
 - **Perform ILD specific designs**
- Subdetector Collaborations in principle do not do concept-specific works.
 - **We cannot ask them to design ILD subdetectors.**
- Mostly same people who are in subdetector collaborations will be doing the work for ILD also - different hats.

Subdetectors without Collaborations

- ILD needs subdetector groups to
 - **Write LOI subdetector sections**
 - **Perform ILD specific designs**
- Cooperation with counterparts in other concept studies should be encouraged.
 - **At least, regular exchange of information.**
 - Not just at workshops
 - **Do we need any framework?**

New comers

- We need to be open and welcoming for all to join
 - **Some criteria will be applied, but not as strict at the LOI stage, as for a true collaboration.**
 - **More well-defined procedures will be needed later.**
- Mode of operation:
 - **Default: Join working groups and subdetector groups.**
 - **If they want to work on a subdetector with collaboration, do they have to join the subdetector collaboration?**
 - Desirable, but probably not enforced?