

Discussion: LLPs at future colliders

Future colliders

- Hadron/Lepton/Lepton-Hadron Linear/Circular
 - Benchmarks: Differences/complementarity
 - Are there any models we can only access at a certain collider?
- Detector design elements
 - what will be most important?
 - How do they vary between facilities (i.e. do we need different things at different colliders? Trigger example)
- Are additional standalone LLP detectors to be considered in all of them?
 - Can we be sufficiently instrumented just with the main detectors?

Studies towards future colliders

- What kinds of studies are appropriate at a generator-only level and what requires us to do something with more sophisticated simulation?
- Is there a common framework we should be using?
 - Should we aim to have one?
- What level of detail is appropriate as input on detector design?
- How do we make reasonable assumptions about efficiencies this far in advance?

Possible scenarios of future colliders

