



IA Session

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Currently 5 IA projects – we'll hear about 4 of them today

- Tracking oriented
 - MkFit / LST targeting CMS
 - ACTS
 - GNN tracking
- ML oriented
 - PVFinder
- LHCb Allen monitoring (we won't hear from this one, my fault)
- We asked each to talk about their results and year 5 plans and ideas for a beyond-year 5 IRIS-HEP successor

Sustainability

- IA projects are typically quite collaborative with significant funding from beyond IRIS-HEP (including international partners in some cases)
- Once IA projects get embedded into an experiment's reconstruction application, the sustainability burden also shifts towards the corresponding working groups within the experiment itself (possibly together with operations program funding)
- Projects that do not reach the point of being part of a reconstruction/simulation/etc application (or showing that they should be) likely do not get carried forward when the R&D stops
- We can discuss the specifics for each project as we hear from each one.

Evolution towards IRIS-HEP 2.0

- More on innovative ML
 - R&D on Differential programming / probabilistic simulation etc
- More on using accelerators
 - Not an excessive amount of expertise in IRIS-HEP today.
 - Should IRIS-HEP complement HEP-CCE in this area?
- Consider synergistic topics with AGC – data formats issues such as readability and compression