Suggestions for producing OR complete ATLAS 'official' Tools

Examples for Artemis originated Tools

- Physics originated Detector performance studies
 - Tag and probe method
 - Already MPI has worked in developing the method
 - Thessaloniki-Nectarios is starting working on the method

TrackInCalo Tool

- Use for muon isolation
- Validation studies
- Samples needed

- Use for identifying and measure catastrophic muons
- Validation studies

- Collaboration between Saclay and Thessaloniki. Others?
 - Define work plan and sharing of the work
 - Action items and delverables
 - Define time scale

Tag and Probe

- Z->µµ
- Z->ee?

- J/ψ->μμJ/ψ->ee?

- Define collaboration
- Workplan/action items
- Timescale

Offline performance DQA/DQAMF

- Muons standalone
- Muons combined

- EMcalo -e/gamma
- Tile -jets, MET

- Define collaboration
- Workplan/action items
- Timescale

Suggestions for more Artemis originated Tools

- Vertex finding -relevant to H->4l, to Bphysics,...
- Statistical analysis Tools for extracting signal significance, limits..
- Isolation tools for e/gamma
- Tag and probe for Z & J/ψ electrons
- B+ lifetime analysis and mass measurement

Suggestions for more Artemis originated Tools

 Make validation plots in Physics analyses in RTT jobs.

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