Tutorial on AthenaROOTAccess

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1 Good and bad things I see in ARA

2 What we are going to do

Good and bad things I see in ARA

- AthenaROOTAccess is an alternative to Athena for reading AODs / DPDs
    - Athena (classes) + ROOT (tree)
- Simple tests and analysis can be done using python, C++ and (not recommended) CINT
- Does not depend on full Athena infrastructure

BUT

- Still requires a huge Athena kit
- AODs contain too much information (slow) $\rightarrow$ DPDs!
- Compilation is slow (alternative: python)
- Cannot use all the functionalities of Athena
    - Detector description, magnetic field $\rightarrow$ calorimeter cells, muon segments, trigger information

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- Inspect containers and objects
- Combine ROOT and Athena functionalities
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Allons-y!

http://twiki.cern.ch/twiki/bin/view/Atlas/ArtemisParisTutorialARA