

Reminders















- We are running the 2nd year of the network
 - Duration4 years: from 1/10/2006 to 30/09/2010
- 13 people in total financed by the project
 - 7 ERs (post-doc positions contract of 2 years)
 - 6 already hired, Durham post-doc with us today, will start in autumn
 - 6 ESRs (PhD student positions contract of 3 years) all hired
- Project divided in scientific and training aspects of equal importance
 - Scientific aspects: 3 work packages
 - Training events: Schools, workshops, meetings

Scientific aspects of Artemis

Research plan divided in 3 work packages:

- 1st work package: Optimization of ATLAS performance
 - 1.a Trigger Performance
 - 1.b Calorimetry and jet calibration
 - 1.c muon identification
- 2nd work package:
 - Measurement of Standard Model cross sections
- 3rd work package: Direct/indirect Higgs searches and interpretation
 - 3.a ttH
 - 3.b WBF
 - 3.c H→4leptons
 - 3.d Longitudinal WW boson scattering
 - 3.e Higgs properties and interpretation of results

Agenda

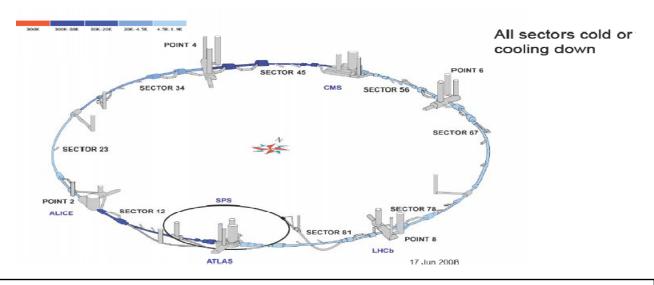
Agenda:

- Talks reviewing the status of the work related to the ARTEMIS deliverables inside the various work packages.
 - Best talk prize: To be given to the most wellstructured and pedagogical talk of the meeting
- Summary talk from leading theorist A. Djouadi on the problematic of higgs physics at the LHC
- Tutorial on basic Atlas analysis tools given by two Artemis ESRs (Christos A., Bruno L.)

Aim of the meeting

- Review the work package deliverables
 - Strongly dependent on the LHC schedule
 - Prioritize the list of our deliverables
- Discuss the early data activities related to our project
- Discussions to strengthen further the collaboration among partners
 - Define specific areas of collaboration

LHC machine status and schedule



- 1. End of June: The LHC is cooling down
- 2. Beginning of August: Closure of the experimental caverns
- a month later: first particles injected, commissioning with beams starts.
- 4. ~ two months later: to arrive at collisions of 10 TeV
 - Energy for 2008 run 10 TeV (safe setting to optimize up-time of the machine until the winter shut down):
- 5. During the winter shut down commission and train the magnets to full current so that 2009 run starts with 14 TeV design energy

...Finally...



A big thank to



- Abdhelak Djouadi for his theoretical talk on Friday's session
- All of you for coming to Paris contributing to this hopefully very useful and stimulating meeting







Εύχαριστώ

