

Forward Physics Working Group Meeting: convener/steering committee

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Contents:

- Discussion about organisation
- Meeting dates and places

Organisation of the LHC Forward Phys. WG

- Main question: how to get new work/collaboration to explore experimentally new theoretical ideas using simulation?
- Probably list of topics together with available people will be useful to see where tasks/people are missing: delayed because of vacation...
- Many conveners have been quite active preparing the meetings/getting new results, thanks!. Probably some conveners can be more pro-active, and for instance, the next WG agenda should be prepared by each group (To be sent to Nicolo/myself 1 week before the meeting by October 8)
- Moving to CERN yellow report: start thinking about plans. topics, with the idea to get a close-to-final plan by Cracow
- Dates of next meetings:
 - October 15-16: CERN
 - November 18-19-20-21 (morning): Cracow
 - January 14-15: CERN
 - Last week of February - 1st week of March?: CERN
 - April 21-15: Trento

List of items from Calabria meeting

- Establish a reference table for each topic, names of people associated to each task, and timescale: can be updated when new ideas appear; reports are expected for each analysis at each WG meeting if possible
- Stress complementarity between experiments
- Low lumi: define the strategy for low lumi measurement (which μ ?), list of topics/people/benefitting from proton tagger
- Medium lumi:
 - Low lumi runs (1 week?), running bunches with low pile up
 - Which purity is needed for each measurement: dijets, γ + jet
 - Mueller Navelet jets, jet gap jets: new MC, predictions, combination of Totem (T1/T2) with CMS important
 - Proton dissociation
 - survival probability
 - Reggeon contribution? How to constrain it?
 - Meson production (LHCb, SD in ATLAS/CMS)?
 - Impact of detector resolution / acceptance on the measurement and how close we need to go to the beam (lower lumi: special run at low lumi, medium lumi: low intensity bunches)
- High lumi: Background is fundamental (back from the machine, splashes into the detectors, also background to the machine (Q6...))
- Technical aspects: backgrounds, detectors (timing...), simulation (geant, fluka)