Minutes of the discussion, including remarks and further developments emerged from relevant action items undertaken after the mtg

0) First open meeting: the selected dates are November 19-20. This allows participants from overseas to attend the MPI@LHC workshop, taking place the following week in Trieste.

1) Common tune:
   o there was unanimity to adopt Pythia8 with the Monash tune as a default for data vs MC comparisons. Following discussion with Peter Skands, it's recommended to use PY8 versions before not 8.185. 8.2 is ideal, but no changes of relevance to MB or UE studies have appeared after 8.185.

Action item: collect more details, and document them, on the MC generation parameters used by all experiments, including e.g. cross sections used for various subprocess components etc.

2) Set of common plots:
   o It was agreed to adopt as a baseline the set of Run I common plots, as documented on the WG web page (see under "documents", the minutes of the May 31, 2010 meeting). The relevant text is attached below in Appendix. In particular:
     a) We reiterated the definition of "charged particle" used in the common plots: this includes hadrons and leptons, with mean lifetime tau > 0.3E-10 s, produced directly or from decays of shorter-lifetime particles. No particle level correction (e.g. no correction to subtract Dalitz decays)
     b) pT threshold: stick to 500 MeV as threshold (as for Run I common plots). Will consider moving to 100 MeV on a longer time scale
     c) acceptance: show dN/deta plots for all available acceptance of each experiment, in bins of pT starting from eta=0. For plots integrated in eta (e.g. dN/dpt, etc), consider only tracks within abs(eta)=0.8, to have a common phase space for ALICE, ATLAS and CMS.

3) Further possible distribution to be considered for common plots/comparisons:

Various experiments have indicated interest in breaking down the samples in finer subsets, in multiplicity or in eta. It is premature to try identify a new set of common plots at this time, but this can be discussed at a later stage following some more detailed discussion. Unless people are happy with the concrete proposals put fwd by ATLAS and ALICE below here:

**Appendix:**

**Action item:** organize a meeting of experts from all experiments, in May/June, to discuss these issues.