

Activities of the Minimum Bias and Underlying Events Working Group

- Extension of UE measurements to DY (on top of Jets)
- Reconstruction of soft tracks
- New observables (ratios between distributions with given PT_{min})
- UE subtraction in Jets, Lepton Isolation
- Tuning of the Models
 - Process dependence, energy dependence and environment dependence
 - Describing UE@Jets and UE@DY with the same settings
 - Describing UE@Jets and MB with the same settings
 - Common SPS + Tevatron + LHC (+HERA, +RHIC etc.) tuning ?
 - LHC Startup will be pp at $\sqrt{s} = 900$ GeV
 - Connections between multiple interactions and rapidity gaps survival (in SD and DPE diffractive processes)
 - Inclusion of additional processes in multiple interactions: for ex. quarkonia
 - Re-tuning with NLO PDFs
 - Evaluation of the errors on the parameters and guidelines to extract prediction uncertainties on observables