

CDF: min bias hard & soft – Bologna paper run I paper (PRD 65 (2002) 072005)
Rick: max & min transverse regions for $\langle n_{ch} \rangle$
Run II - will produce corrected data for $PT > 0.5$
Back-to-back jet – underlying event; repeat transverse analysis in addition look at min/max
Rapidity distribution in max & min regions
 $\langle pt \rangle$ vs n_{ch} – in transverse region
Sub-jet multiplicities
Graininess of min bias – particle flow with respect to a leading particle
Intermittency measurements – particle correlations
Make track info available for 630GeV data
Track acceptance: $abs(\eta) < 1$
Cal acceptance: $abs(\eta) < 4.5$ includes end calo.
Bbar events in underlying evt
Claim underlying evt looks same for B evts
No of bbar evts at Tevatron

Repeat analyses with energy flows – ratio of charged particles to energy
Low energy – more global info n_{ch}
HERA data as x-check for p-p data
CDF/Bologna – Bologna study Λ ??
RHIC/E735 – baryon flow $\pi/K/p$ identification
Particle flows between jets in particular with b-jets

Uncertainty in PDF – for min bias scatters
Dominance of gluon initiated cascades in data – strangeness production

Hard jets – larger-x and look at energy/mom cons aspect of models – show tomorrow?
Forward/backward asymmetry

Parameters: PYTHIA – PTMIN vs colour topology - $\langle pt \rangle$ vs n_{ch}
Impact parameter picture – tail of multiplicity
Energy dependence parameter not looked at by authors in new model for PYTHIA

Jimmy 2 parameters: ptmin, impact parameter (to be made energy dependent a la Godbole)

Mixing in with UA5 model SUE with Jimmy – unphysical?

Questions to Ralph Engel: parameters to tune