Inclusive b->J/psi X and
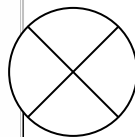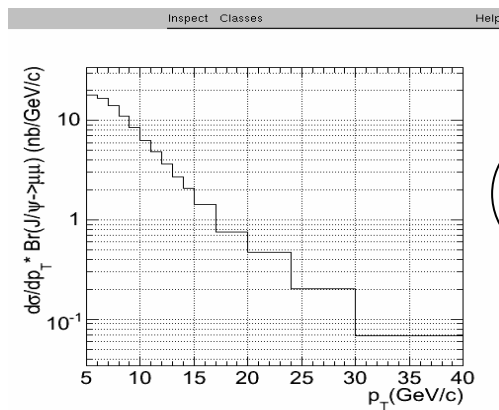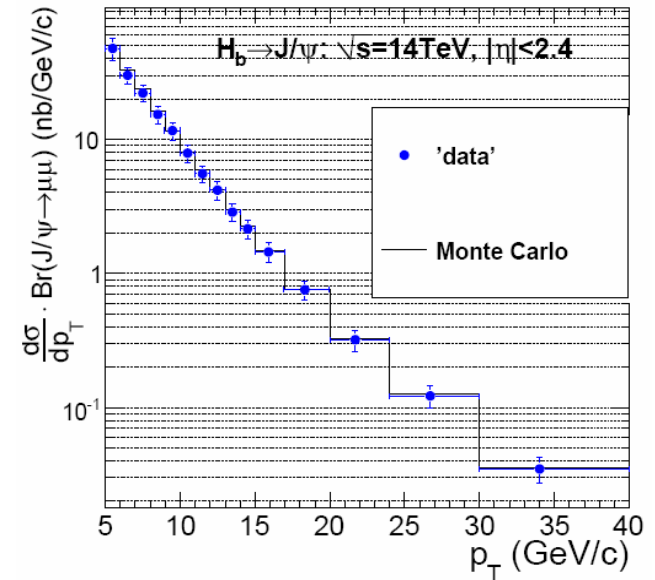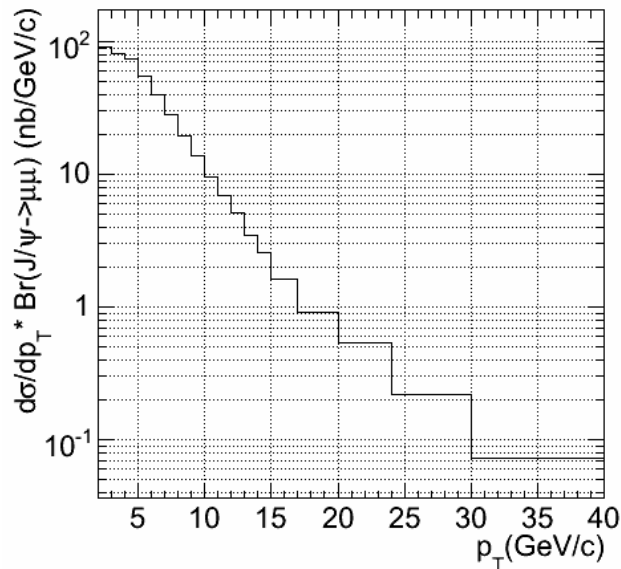## Do in QCD preliminary

Xiangwei Meng

Institute of High Energy Physics, CAS, Beijing

Sep. 19 , 2008

Inclusive b:
J/psi differential Cross-section 3pb-1
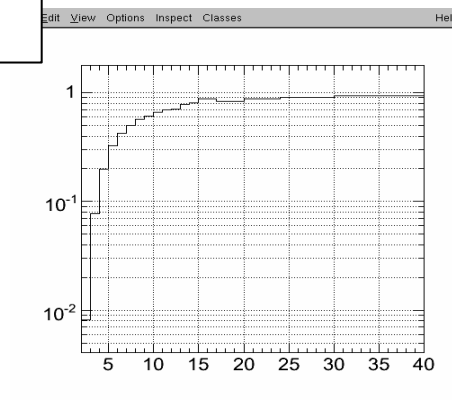
Do data samples from RelValQCD_Pt_*

RelValQCD_Pt_*/CMSSW_2_1_2: 7 pt hat bins samples
0_15, 15-20, 20_30, 30_50, 50_80, 80_120 & 120_170 GeV/c
-- 250k events

- ☐ /RelValQCD_Pt_120_170/CMSSW_2_1_2_STARTUP_V5_10TeV_v3/GEN-SIM-DIGI-RAW-HLTDEBUG-RECO
Created 21 Aug 2008, 24700 events, 62 files, 3 block(s), 65.5GB, located at 2 sites

- ☐ /RelValQCD_Pt_80_120/CMSSW_2_1_2_STARTUP_V5_v1/GEN-SIM-DIGI-RAW-HLTDEBUG-RECO
Created 12 Aug 2008, contains 30050 events, 78 files, 5 block(s), 78.5GB, located at 2 sites

- ☐ /RelValQCD_Pt_50_80/CMSSW_2_1_2_STARTUP_V5_10TeV_v3/GEN-SIM-DIGI-RAW-HLTDEBUG
Created 21 Aug 2008, contains 100100 events, 184 files, 5 block(s), 186.6GB, located at 3 sites

- ☐ /RelValQCD_Pt_30_50/CMSSW_2_1_2_STARTUP_V5_HF_10TeV_v1/GEN-SIM-DIGI-RAW-HLTDEBUG
Created 31 Aug 2008, contains 10050 events, 18 files, 1 block(s), 16.6GB, located at 2 sites

- ☐ /RelValQCD_Pt_20_30/CMSSW_2_1_2_STARTUP_V5_10TeV_v3/GEN-SIM-DIGI-RAW-HLTDEBUG-RECO
Created 21 Aug 2008, contains 40500 events, 68 files, 3 block(s), 67.5GB, located at 2 sites

- ☐ /RelValQCD_Pt_15_20/CMSSW_2_1_2_STARTUP_V5_10TeV_v3/GEN-SIM-DIGI-RAW-HLTDEBUG
Created 21 Aug 2008, contains 25100 events, 37 files, 2 block(s), 37.5GB, located at 3 sites

- ☐ /RelValQCD_Pt_0_15/CMSSW_2_1_2_STARTUP_V5_HF_10TeV_v1/GEN-SIM-DIGI-RAW-HLTDEBUG-RECO
Created 31 Aug 2008, contains 20050 events, 17 files, 1 block(s), 15.6GB, located at 2 sites

CDFII: 2005 ± 104 events D**0** → K+ π−
0.35 fb−**1** Oct. 02− Aug. 04 pp @ 1.96 TeV
R**B** =[4.05±0.21(stat)±0.11(syst)] ×10−**3**

CMSSW_2_1_7

Gen Do(Dobar) in RelValQCD_Pt_50_80

D0(D0bar) in QCD
with all final states:
No. of D0&D0bar in evts

D0(D0bar) in QCD with
all final states: pdgId

D0(D0bar) in QCD with
all final states:
No. of daughters

32

π +

k-

D0 in QCD: only D0 ->k- π +
~0.6%: about 600 D0 Nevts in
QCD_Pt_50_80