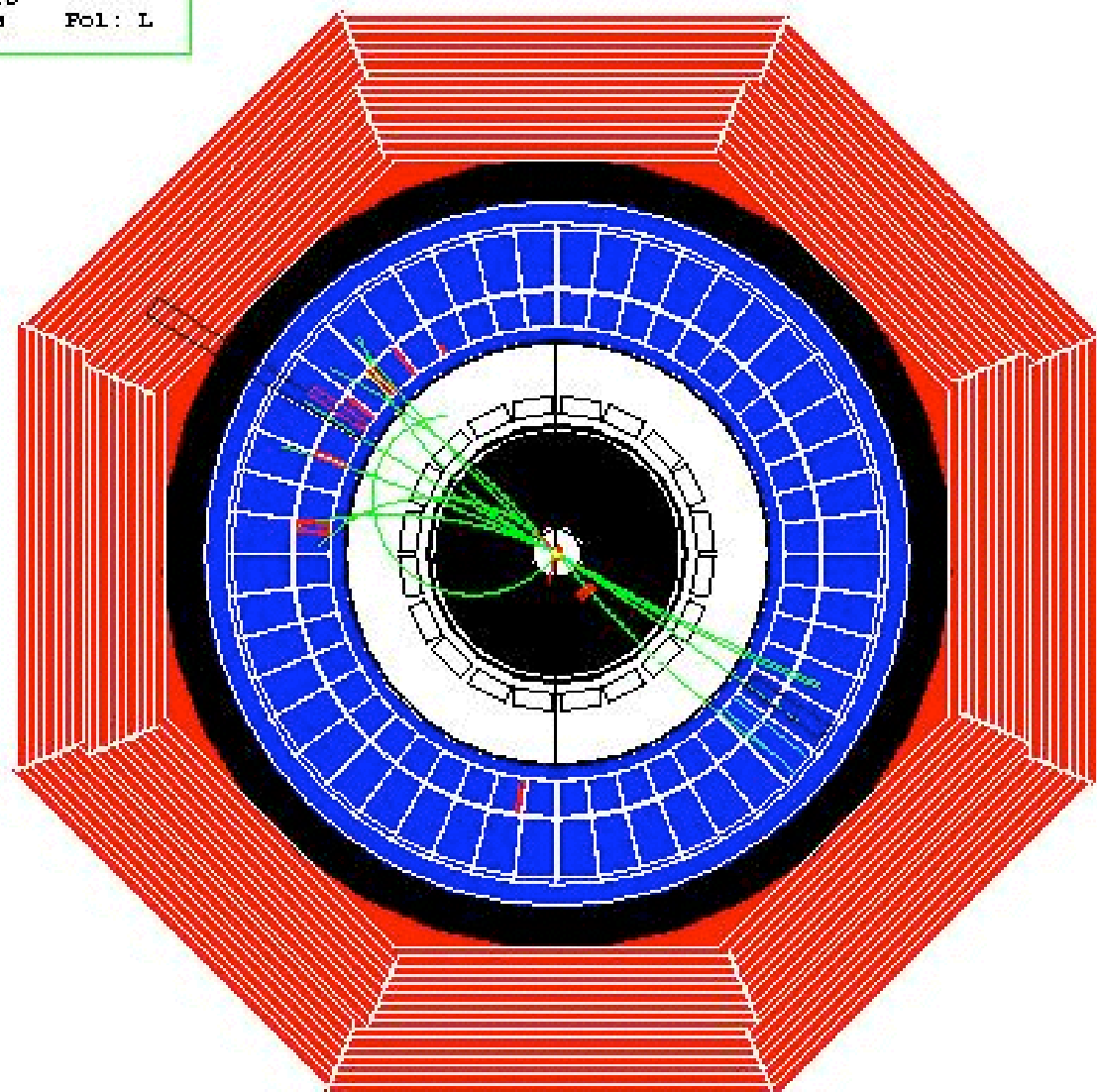


Physics 450:
Particle Physics at the Large
Hadron Collider

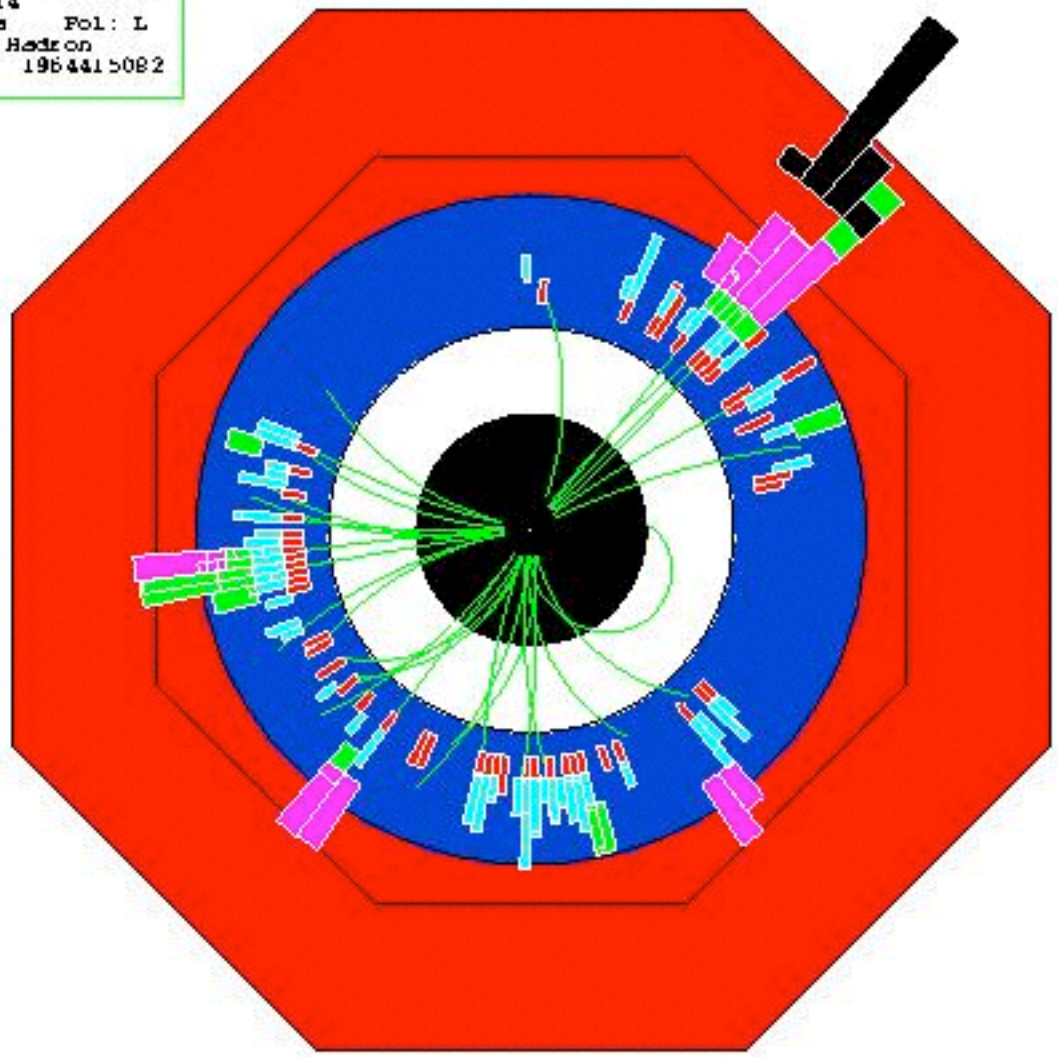
Nov. 4 lecture: figures

M. E. Peskin
Fall Term 2008

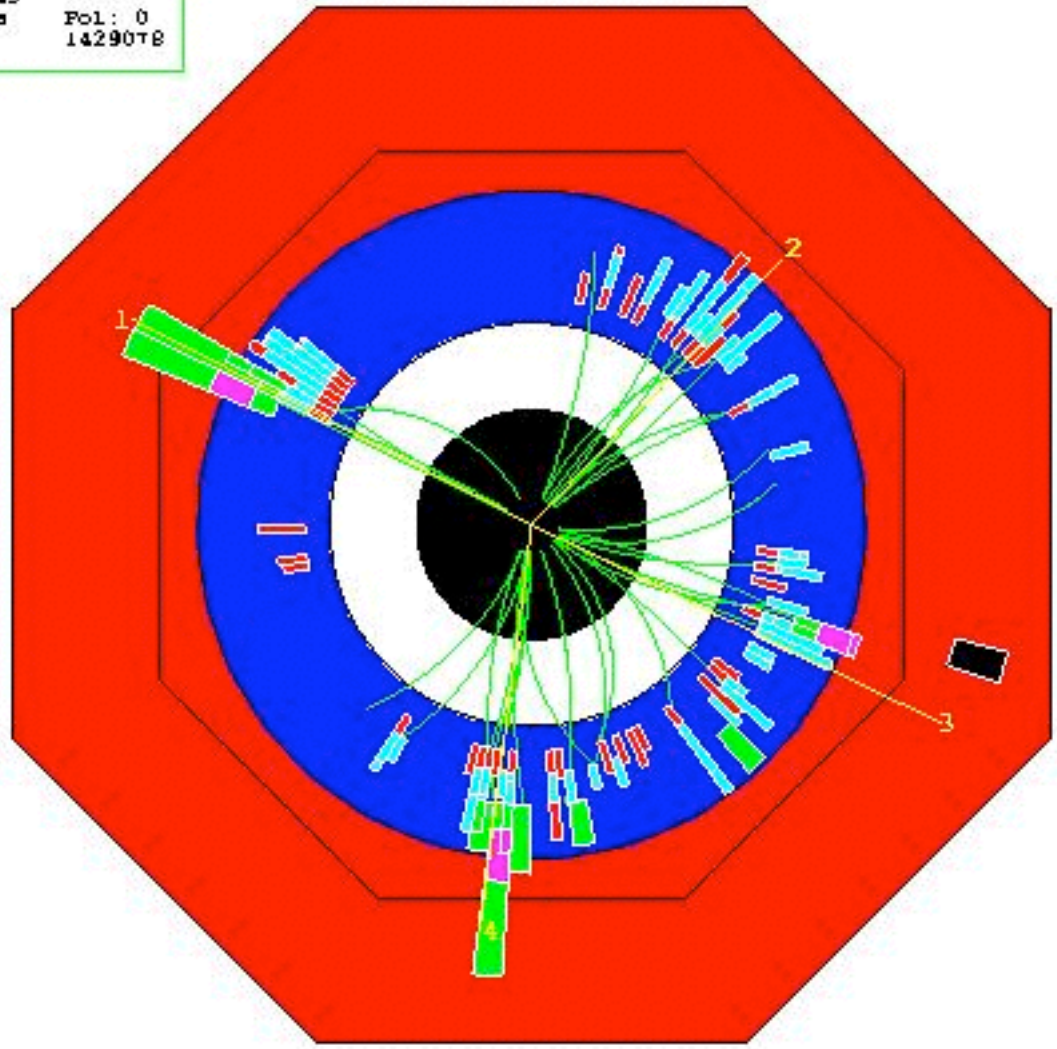
Run 12576, EVENT 2540
4-JUL-1992 19:18
Source: Run Data Pol: L



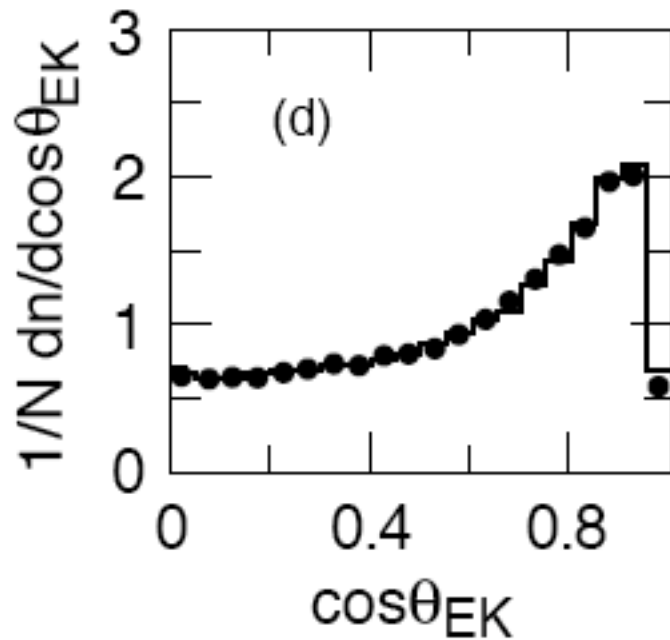
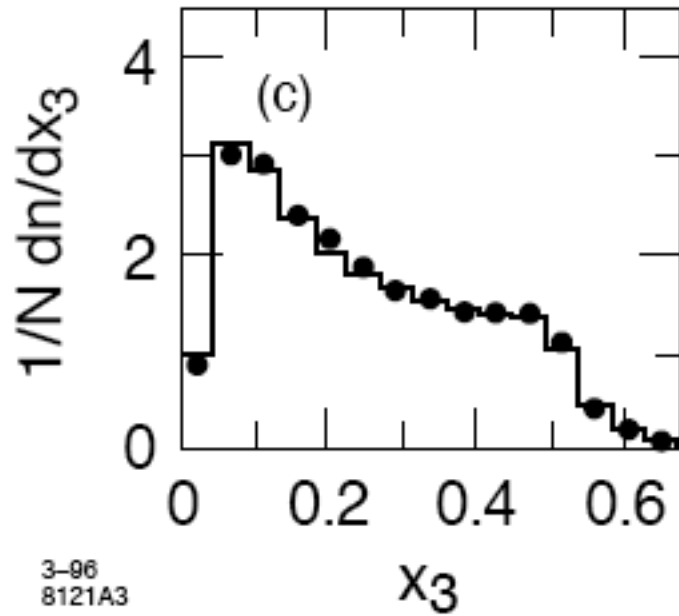
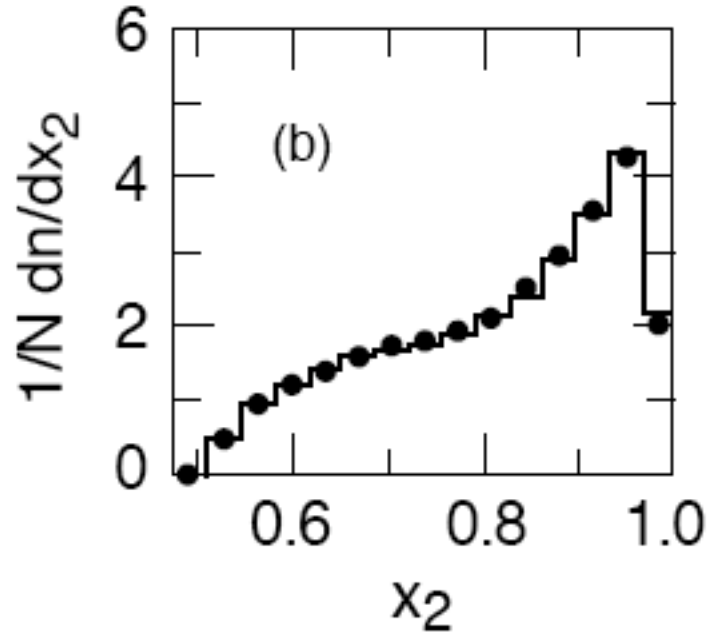
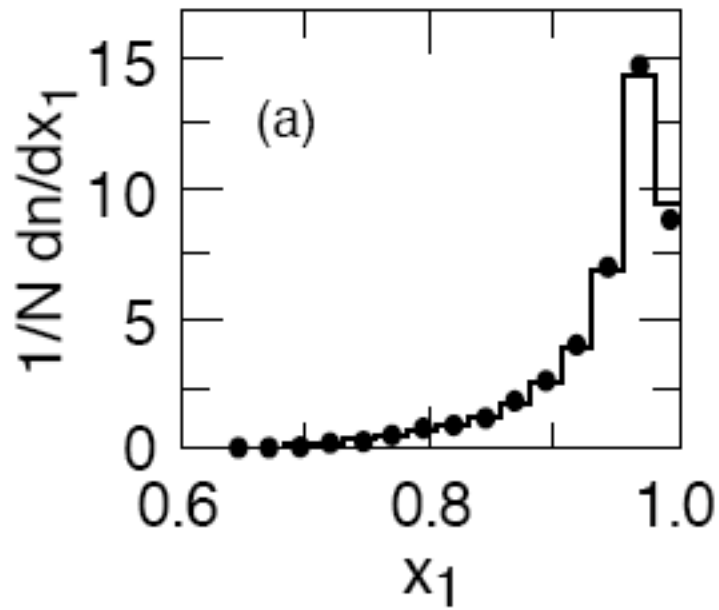
Run 12637, EVENT 6353
8-JUL-1992 10:14
Source: Run Data Fol: L
Trigger: Energy Hadron
Beam Crossing 1964415082



Run 1536, EVENT 2126
6-JUL-1991 14:43
Source: Run Data Pol: 0
Beam Crossing 1429078



• SLD — HERWIG 5.7



3-96
8121A3

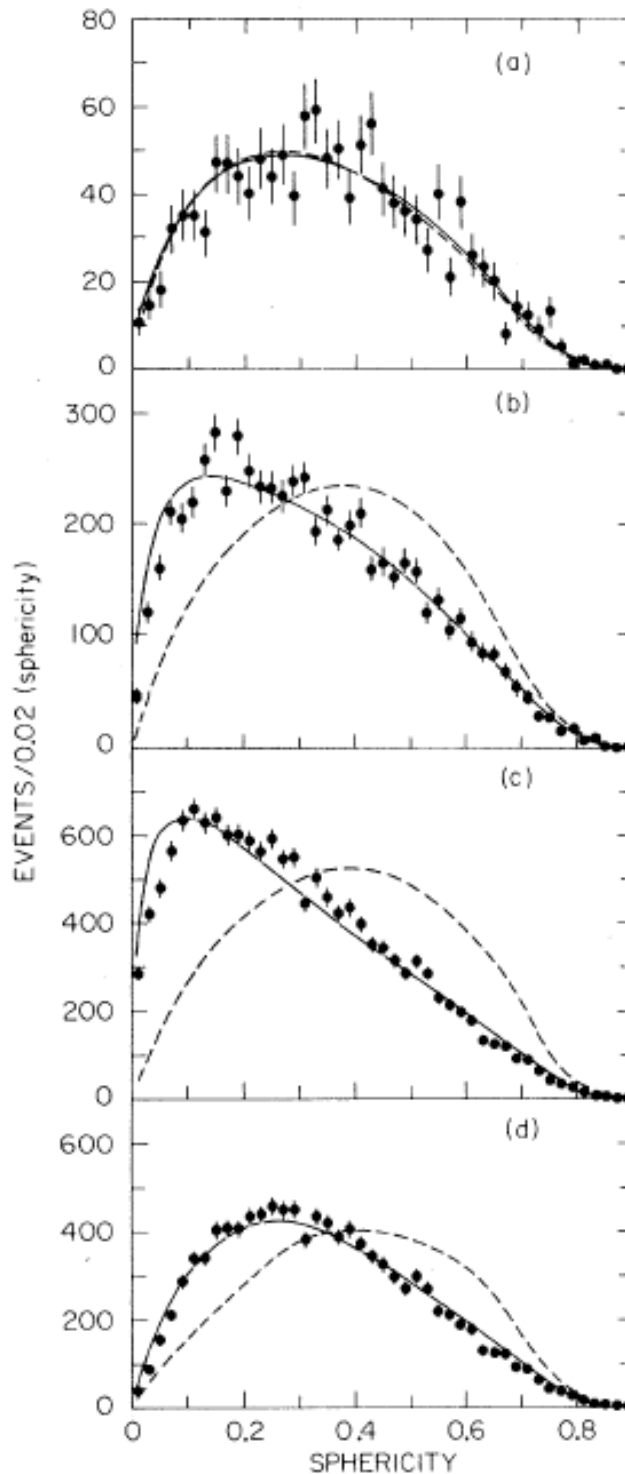
SLD 3 jet events

ECM =
3.0 GeV

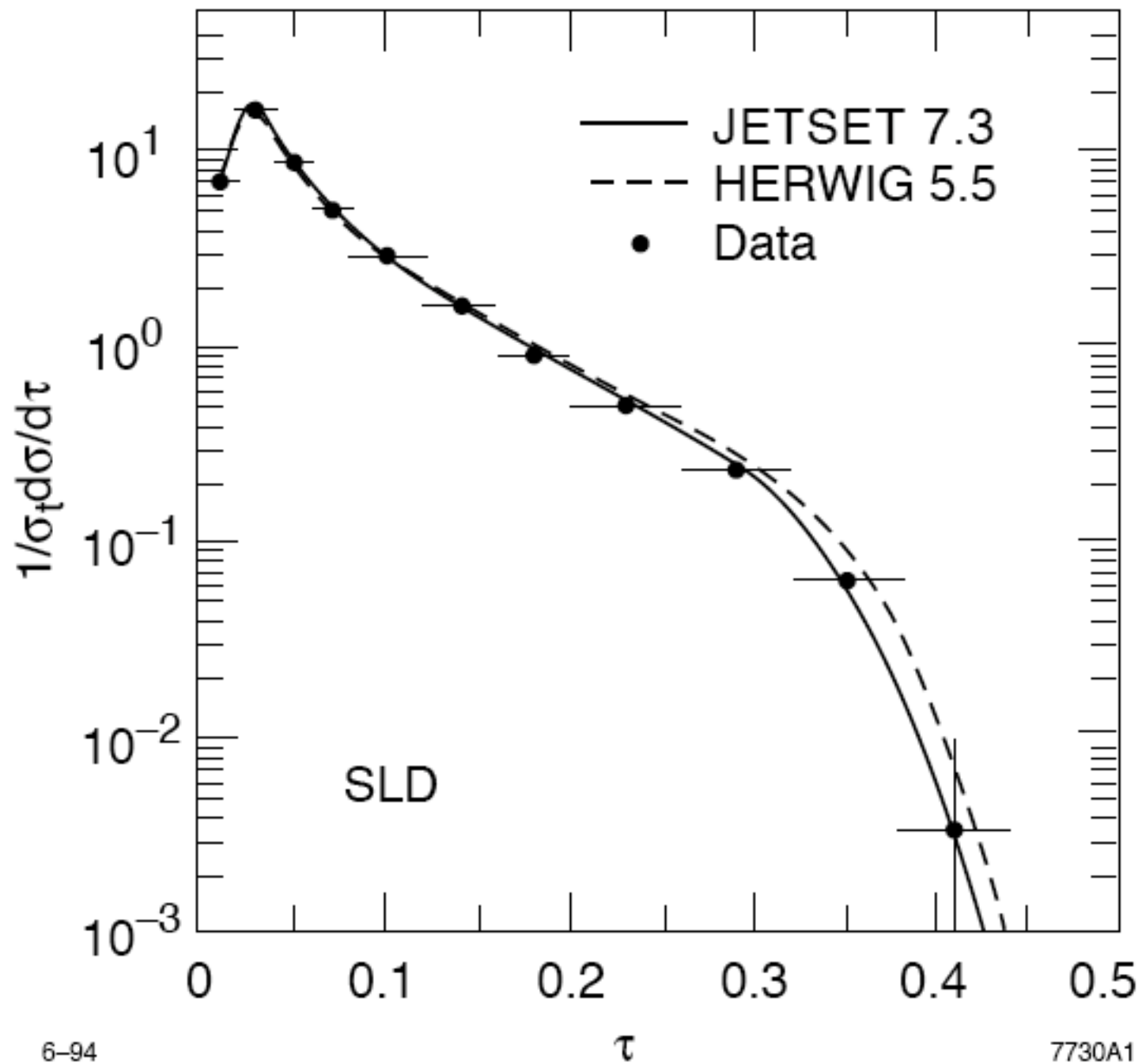
6.2 GeV

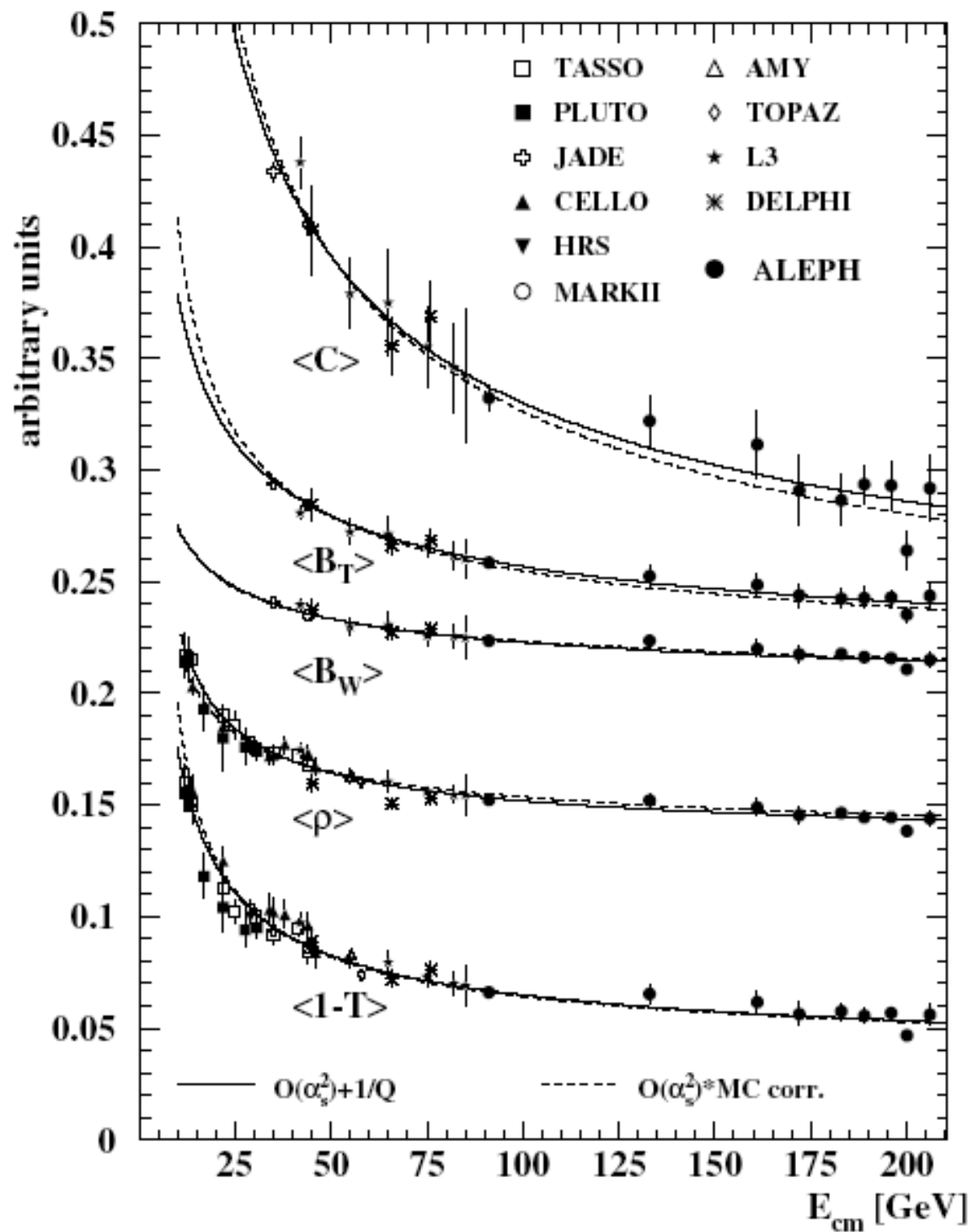
7.4 GeV

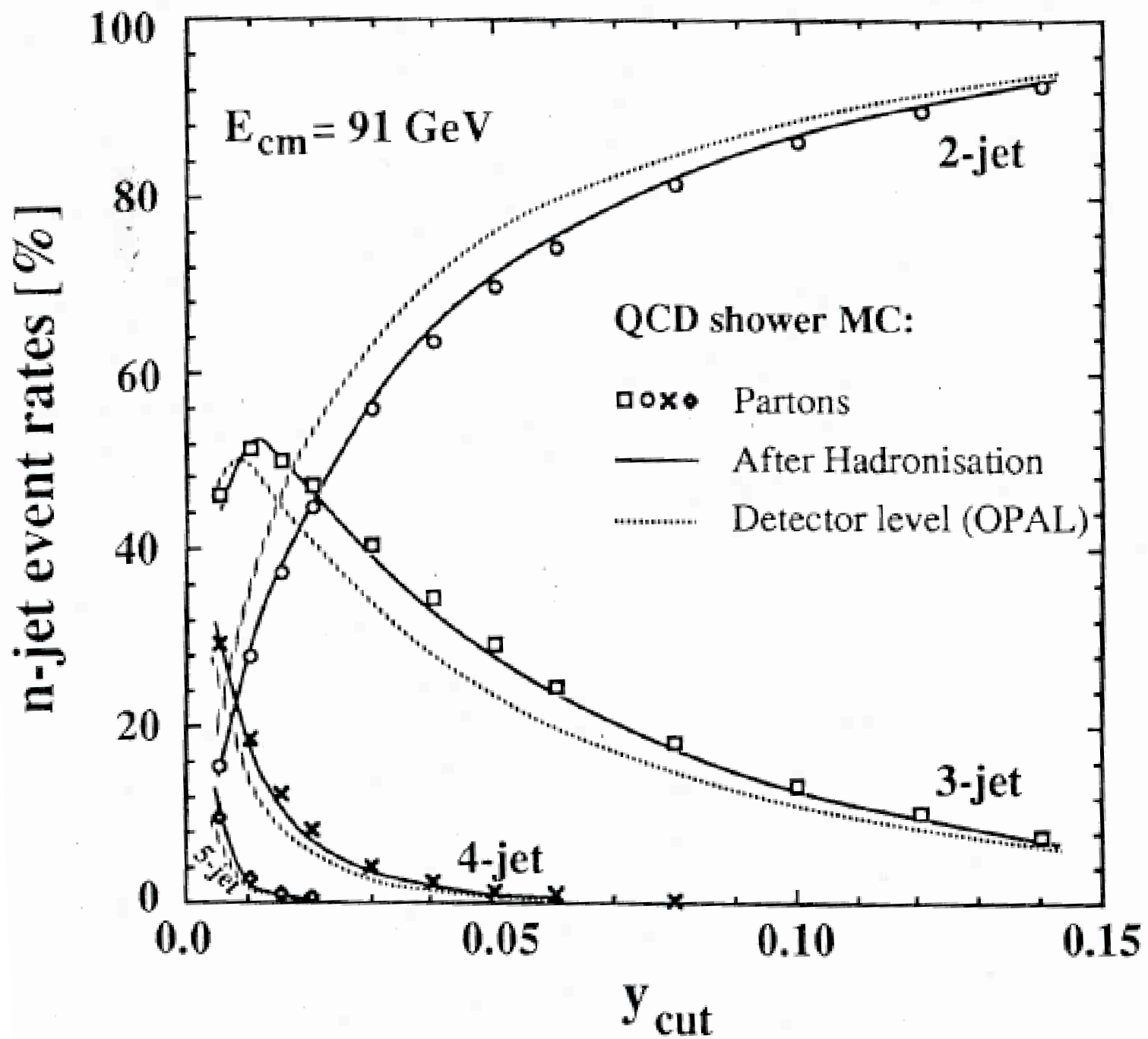
7.4 GeV
no
particle
w. $z > 0.4$

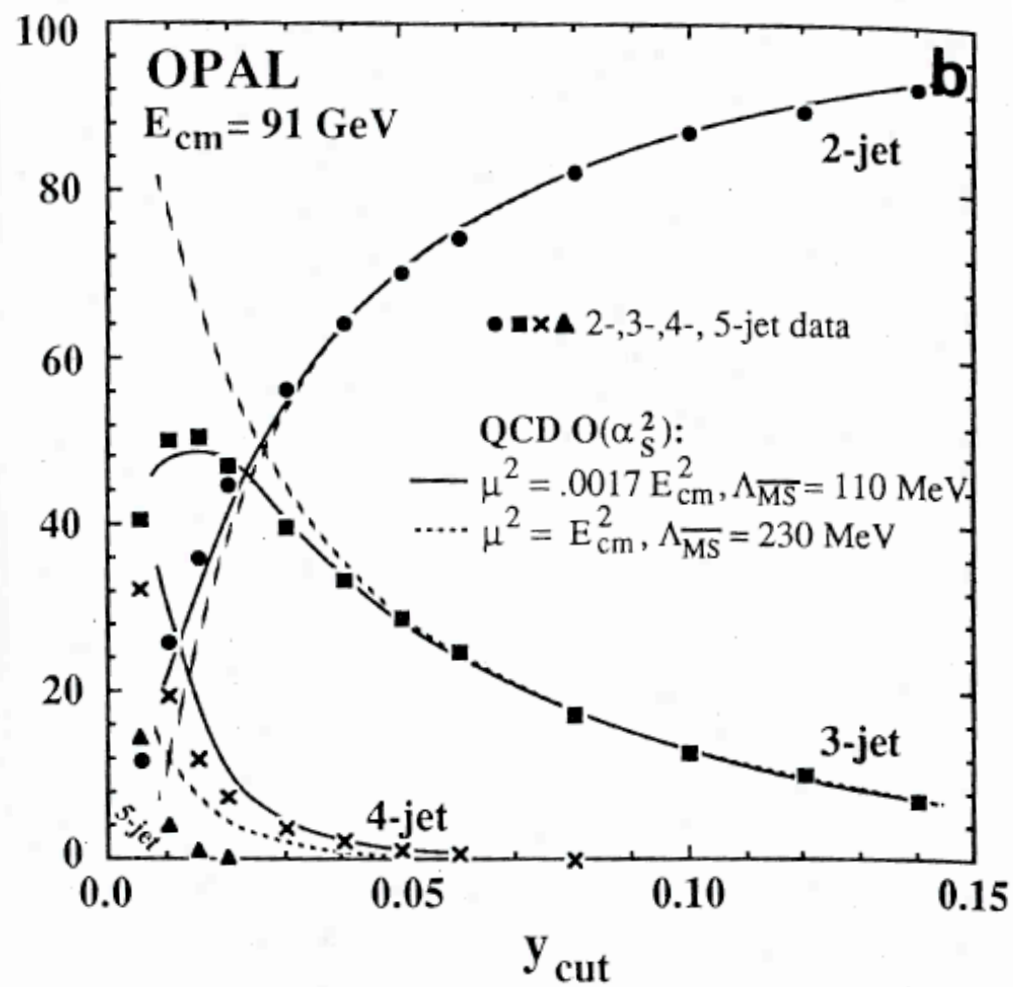
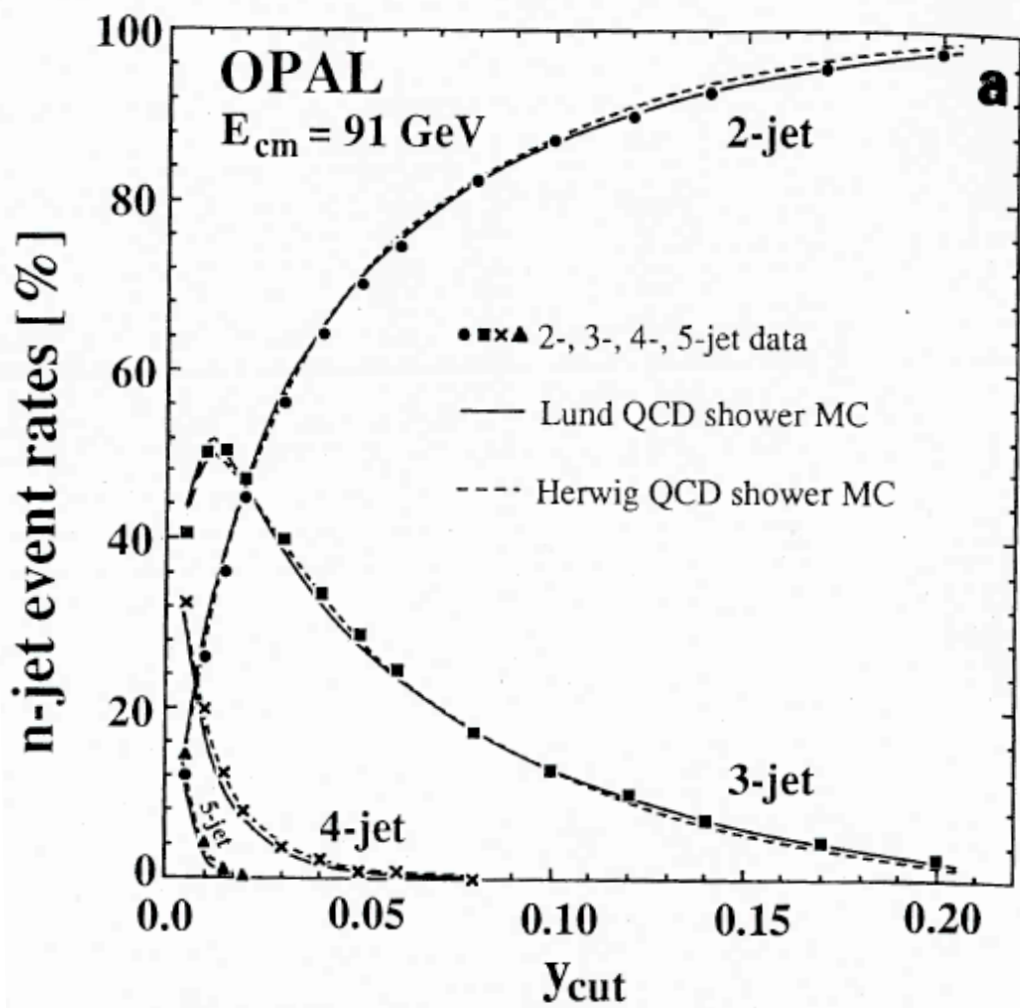


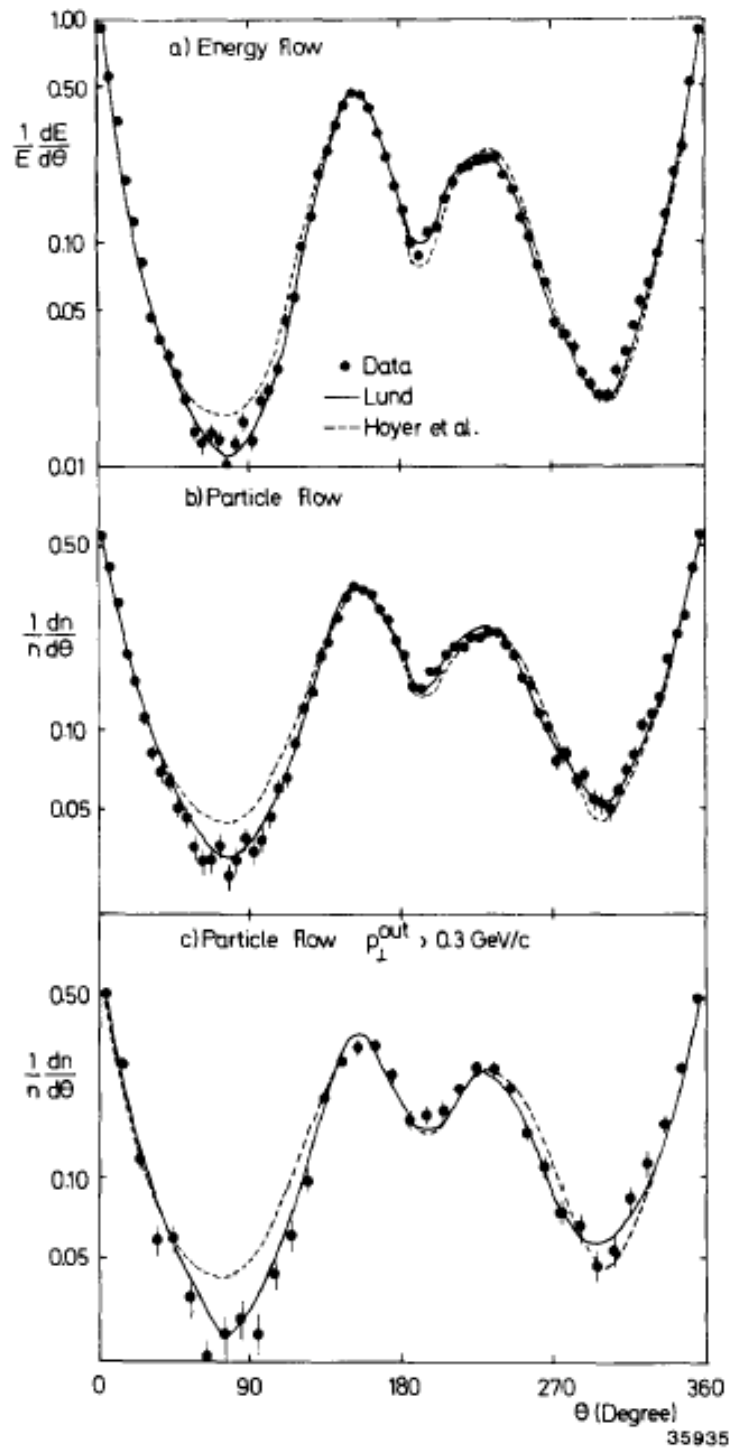
Mark I
(G. Hanson et al.)



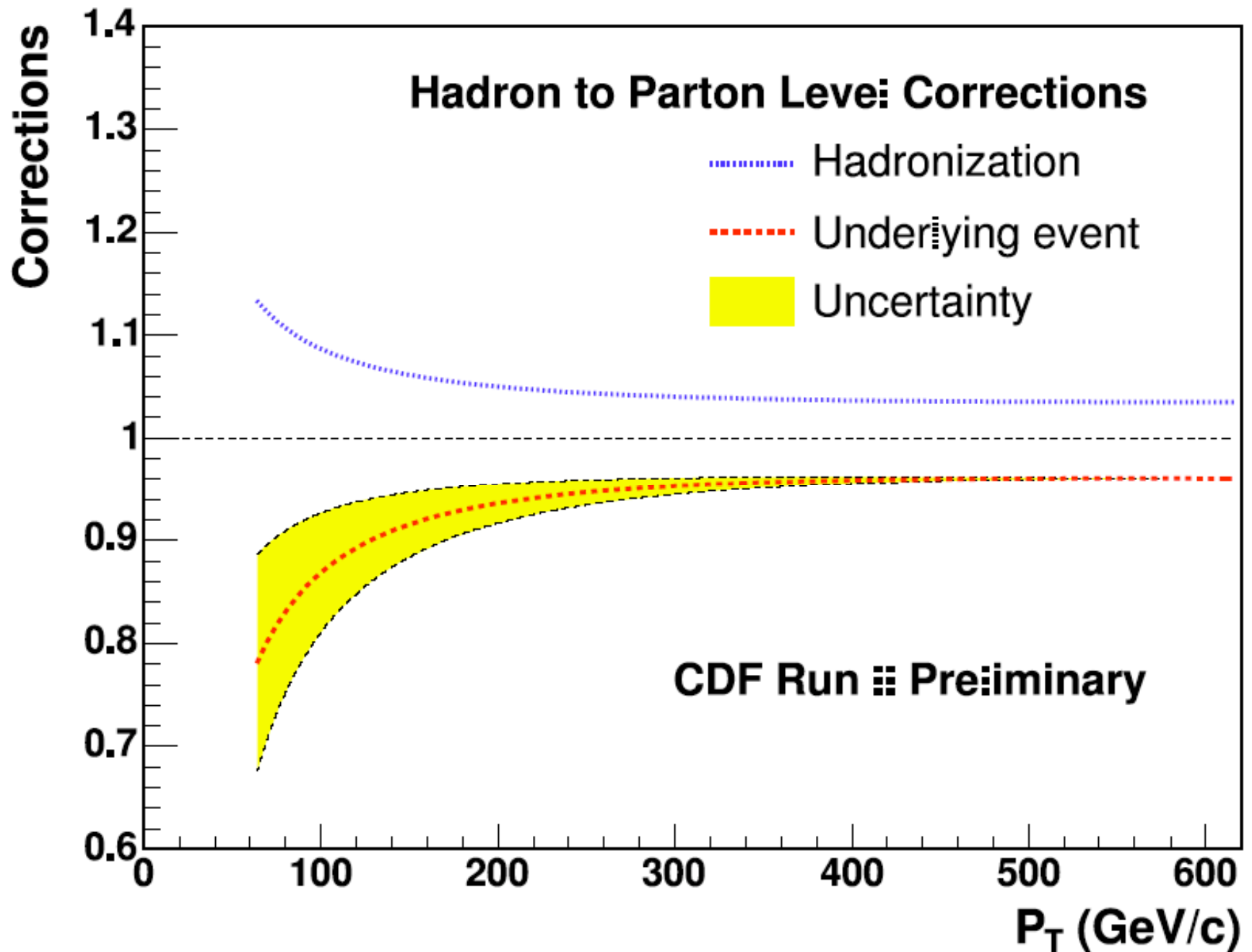








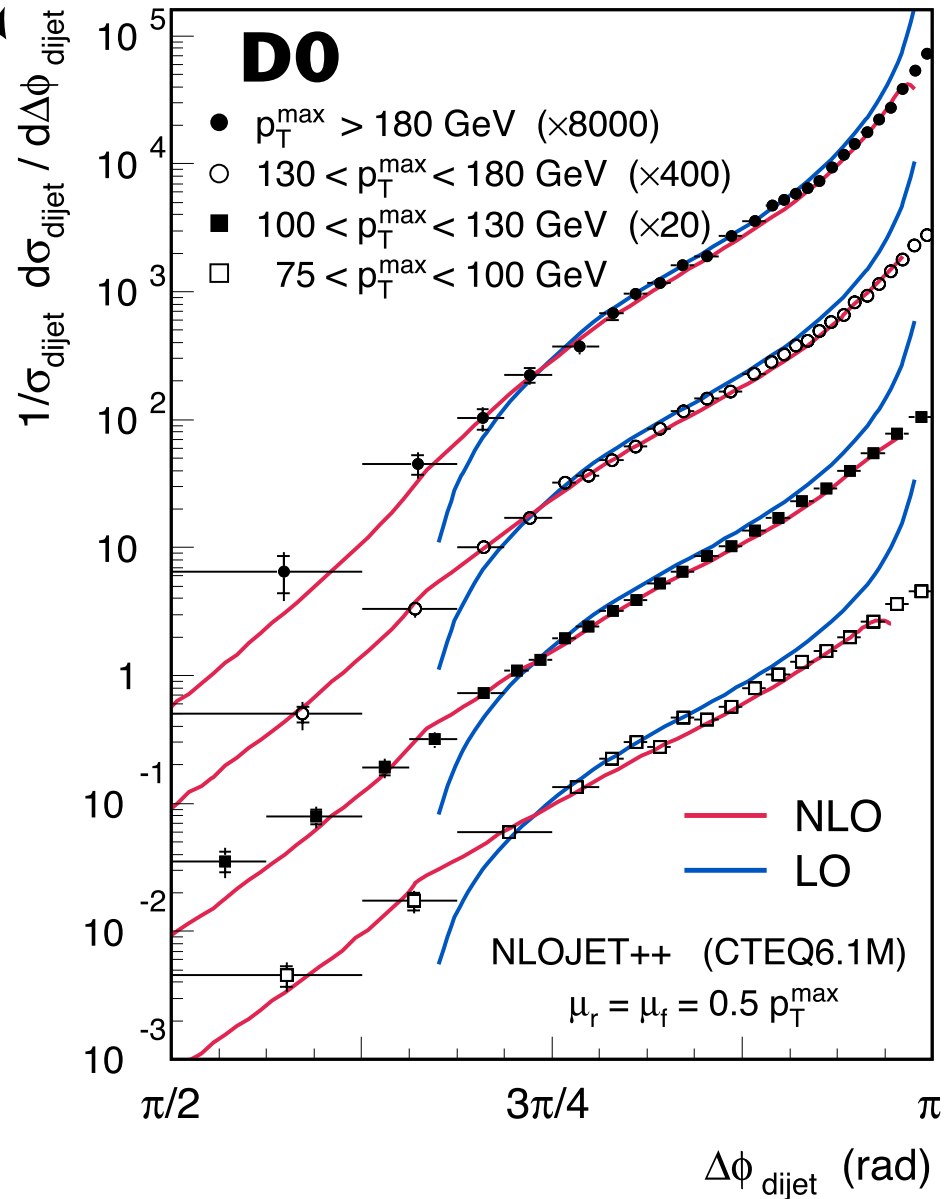
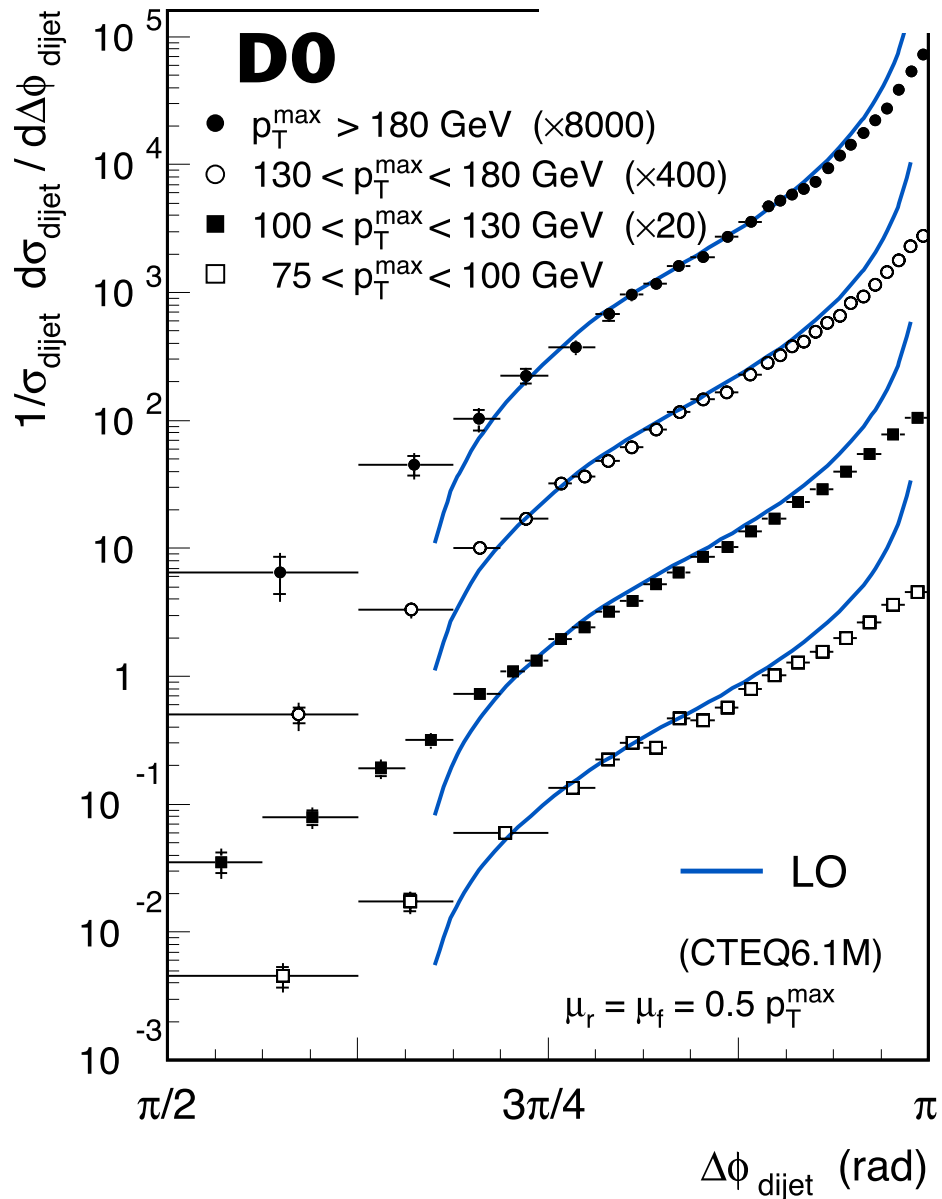
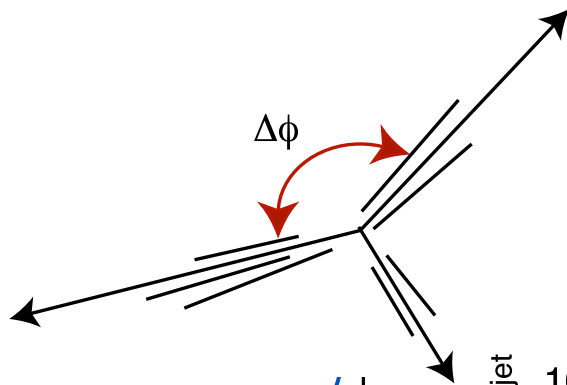
JADE
29-36 GeV

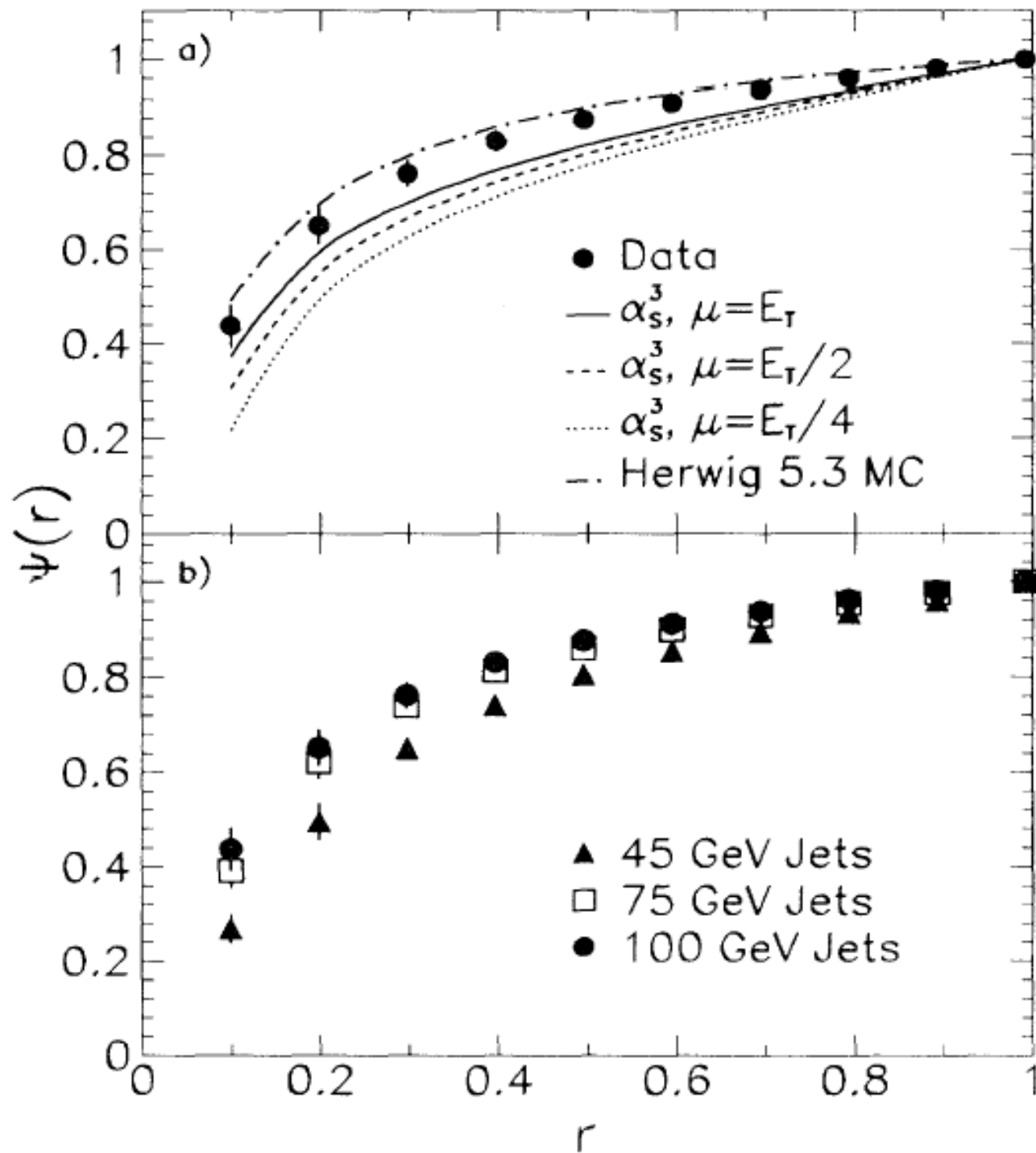


from Campbell-Houston-Stirling

for $R = 0.7$

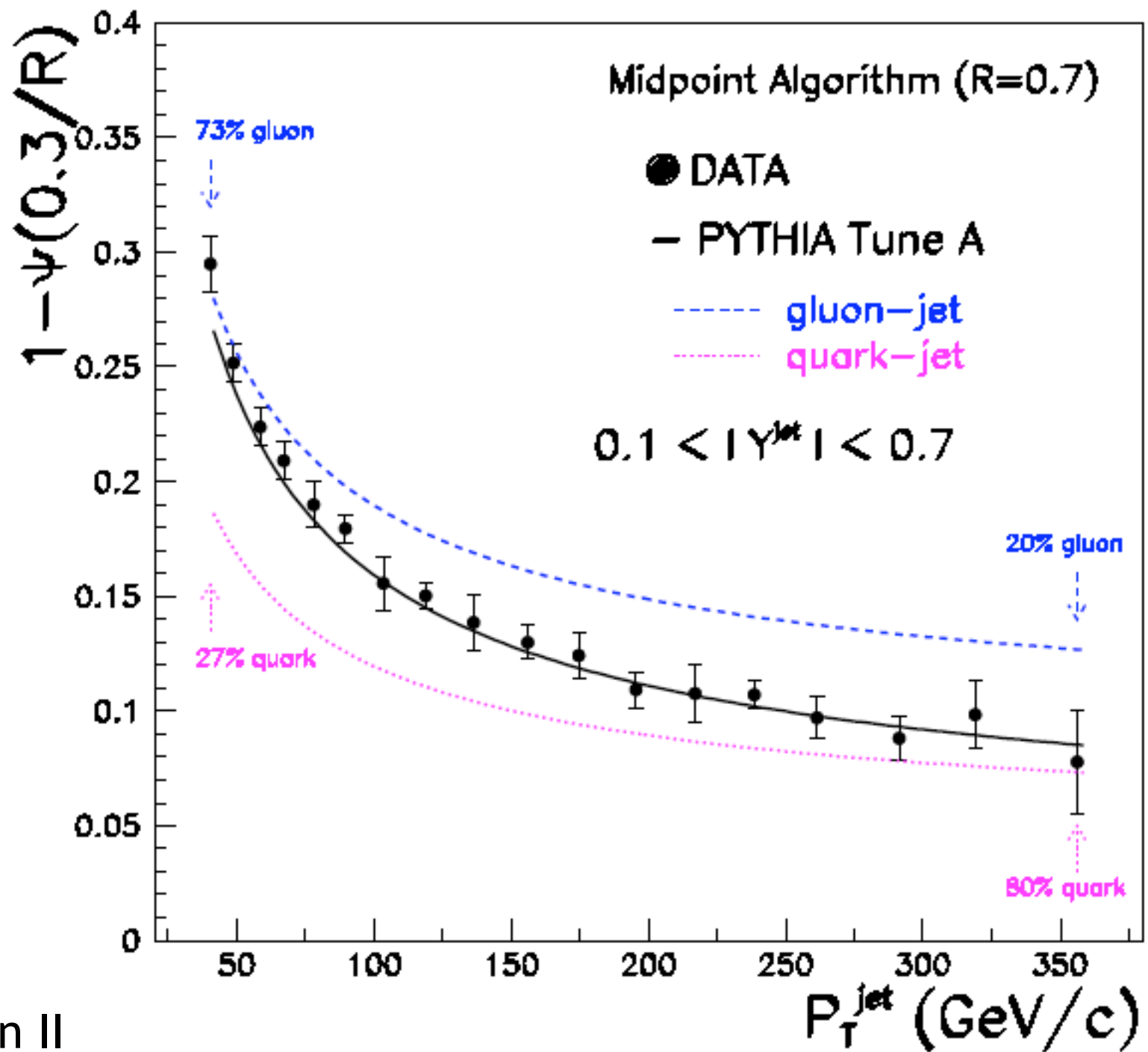
NLO QCD calculation by Zoltan Nagy





data: CDF

theory:
 S. Ellis, Kunszt,
 and Soper



CDF, run II