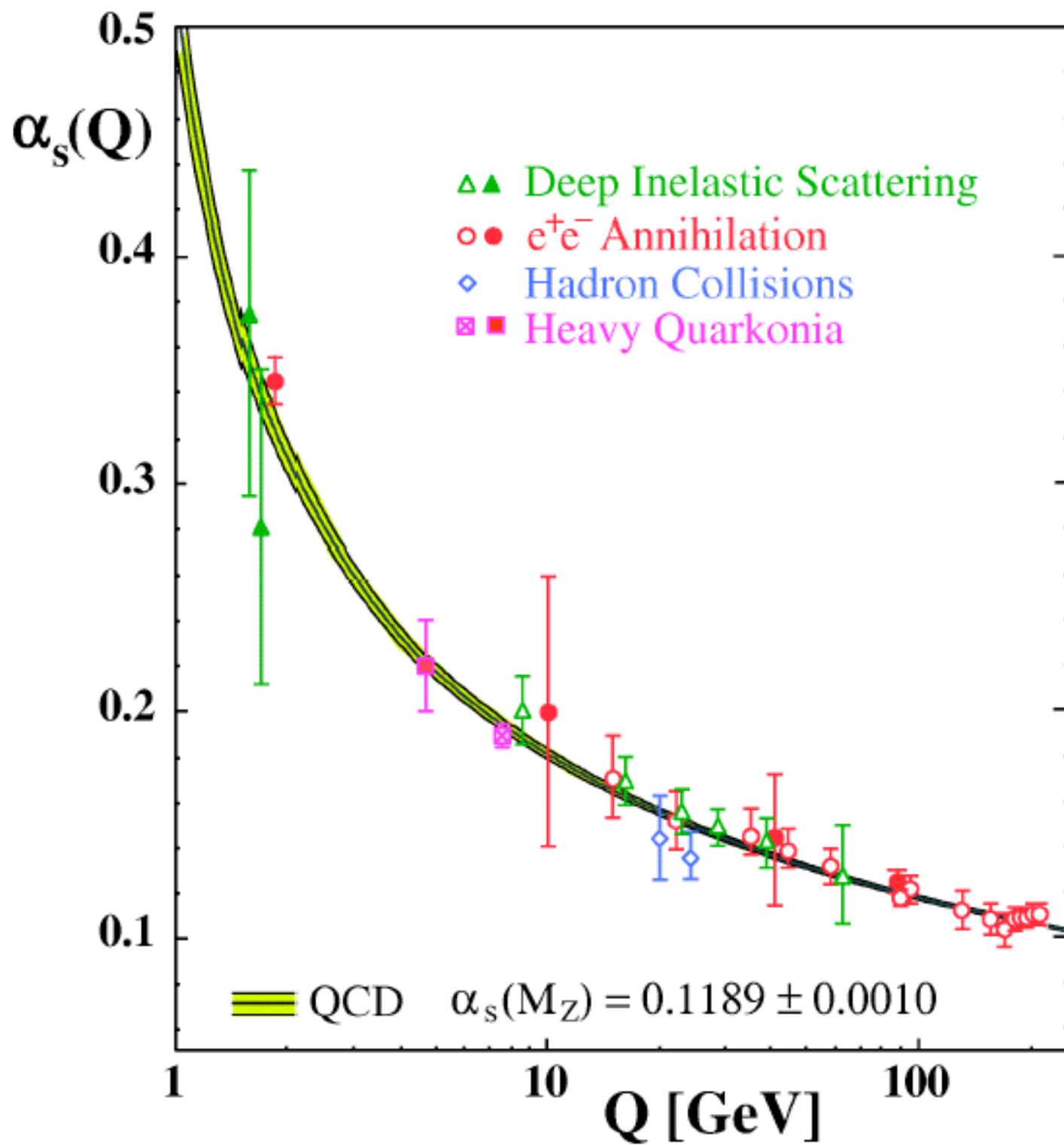
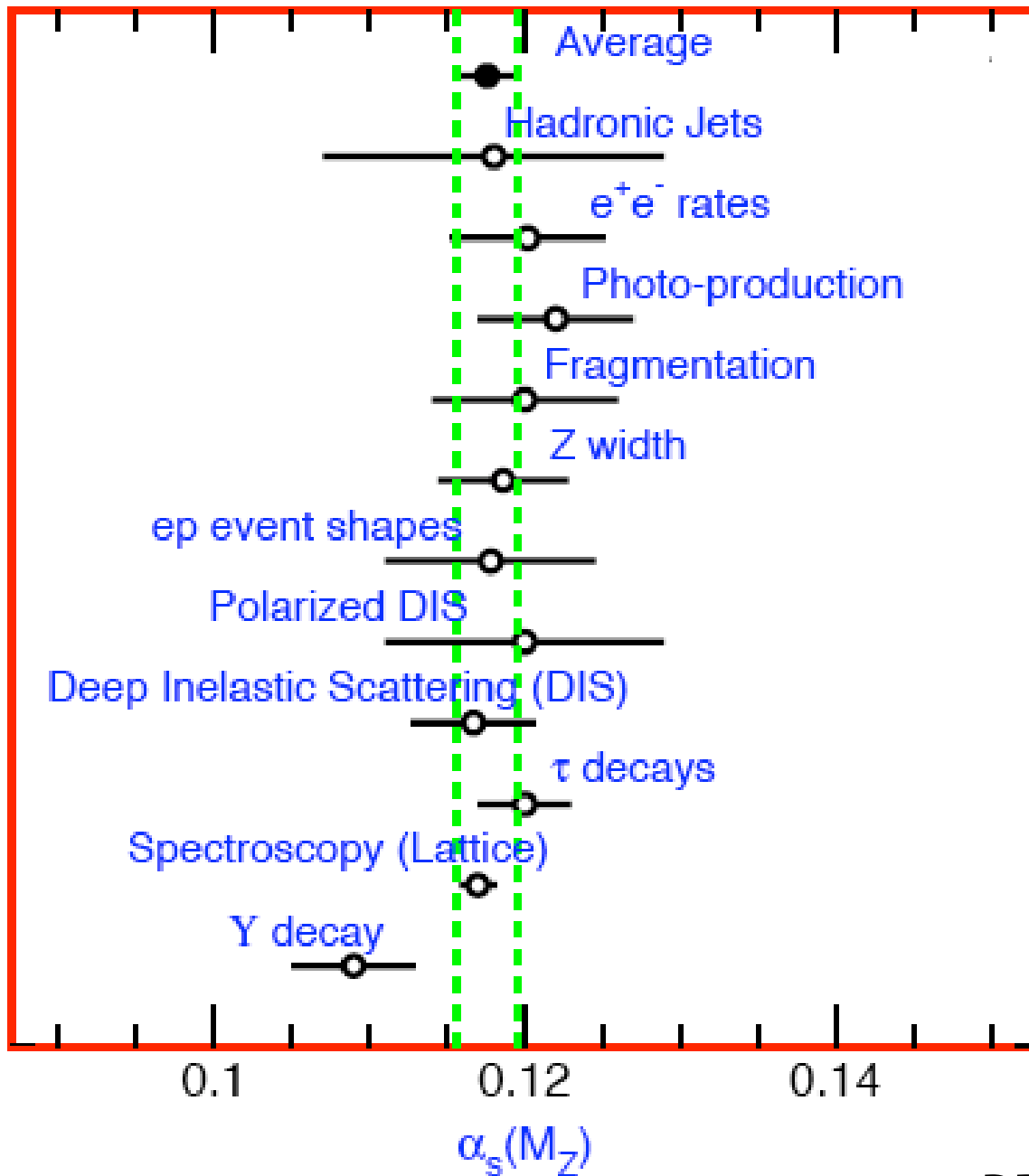


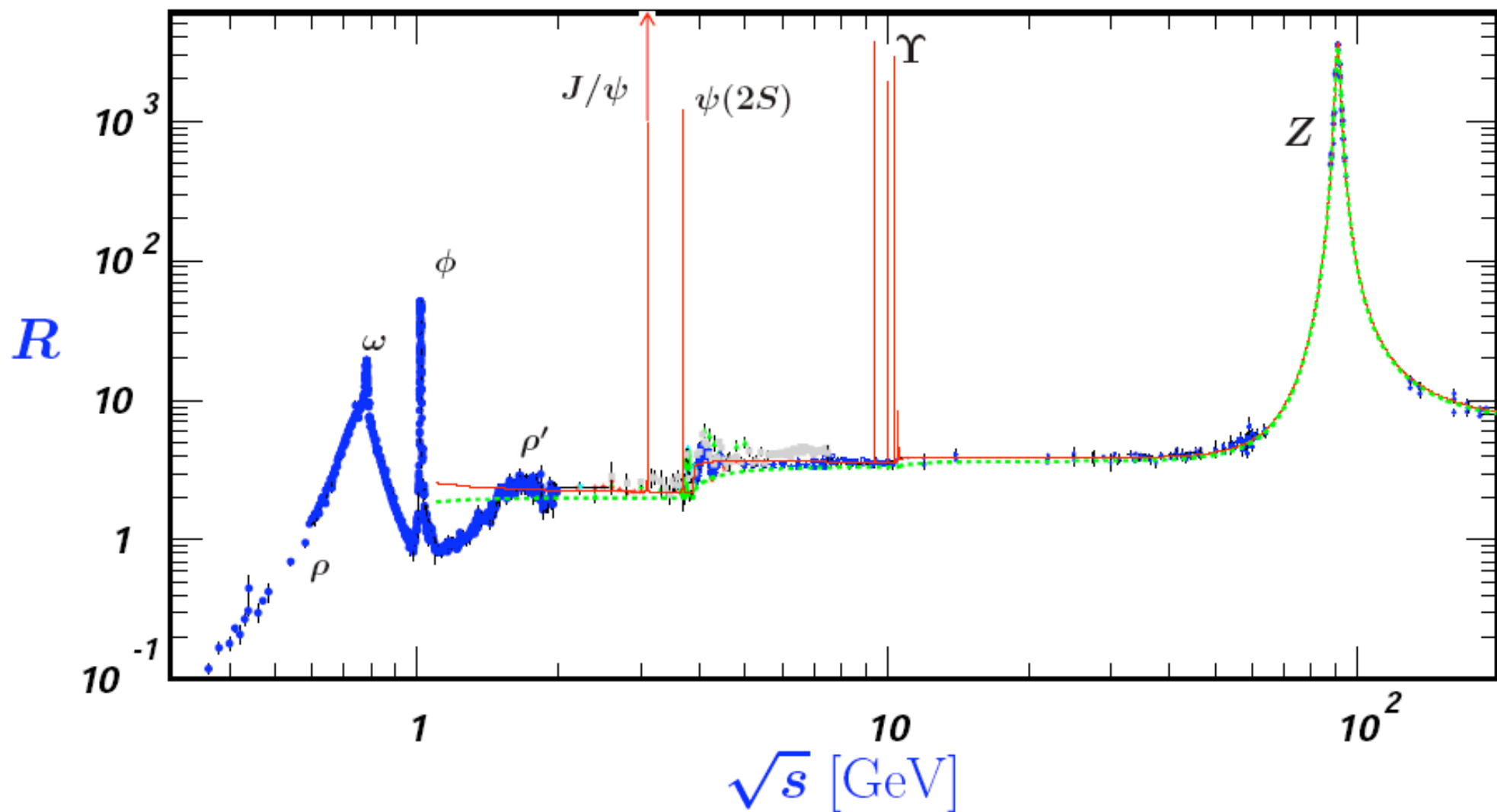
Physics 450:
Particle Physics at the Large
Hadron Collider

Sept. 30 lecture: figures

M. E. Peskin
Fall Term 2008

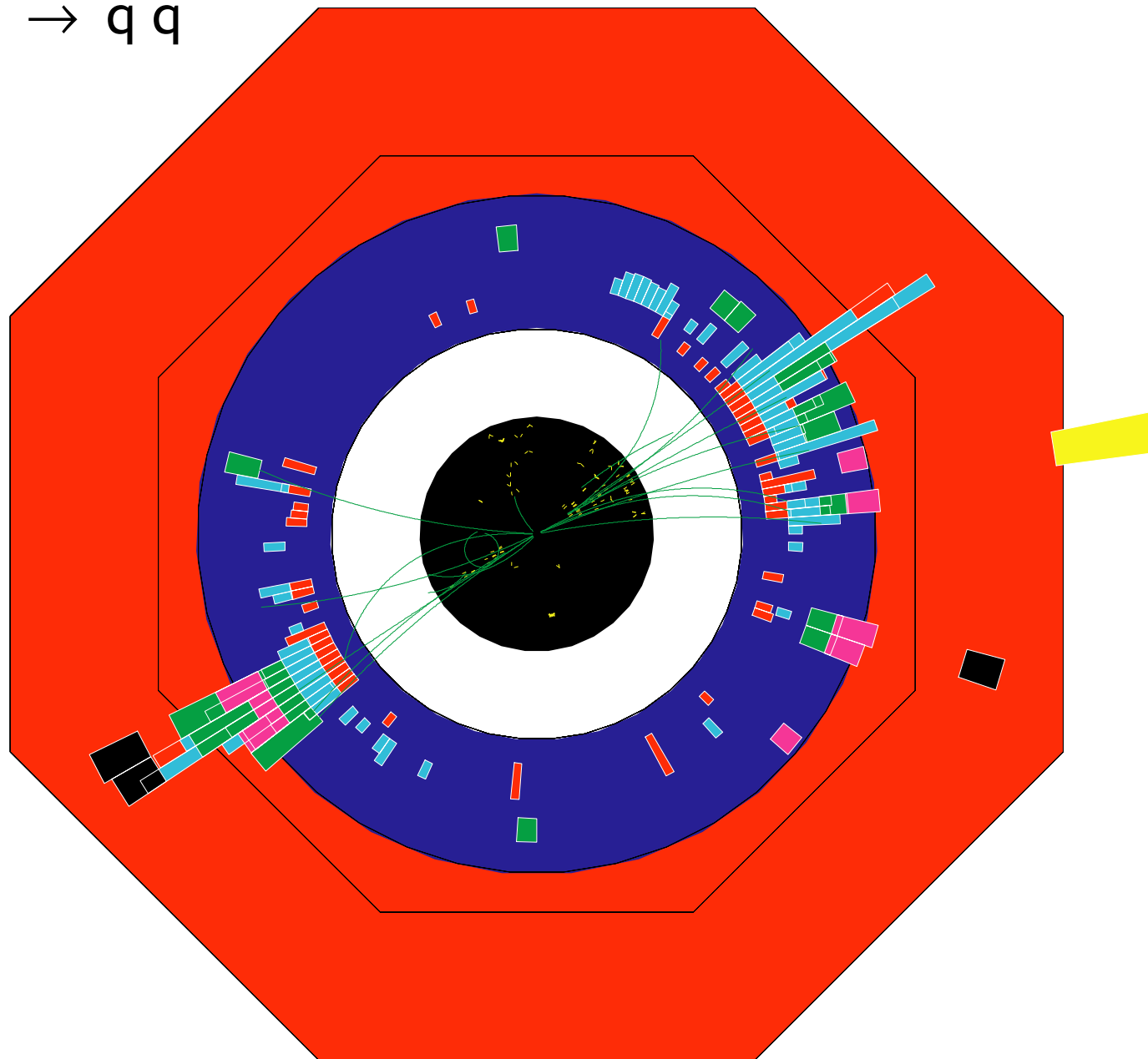






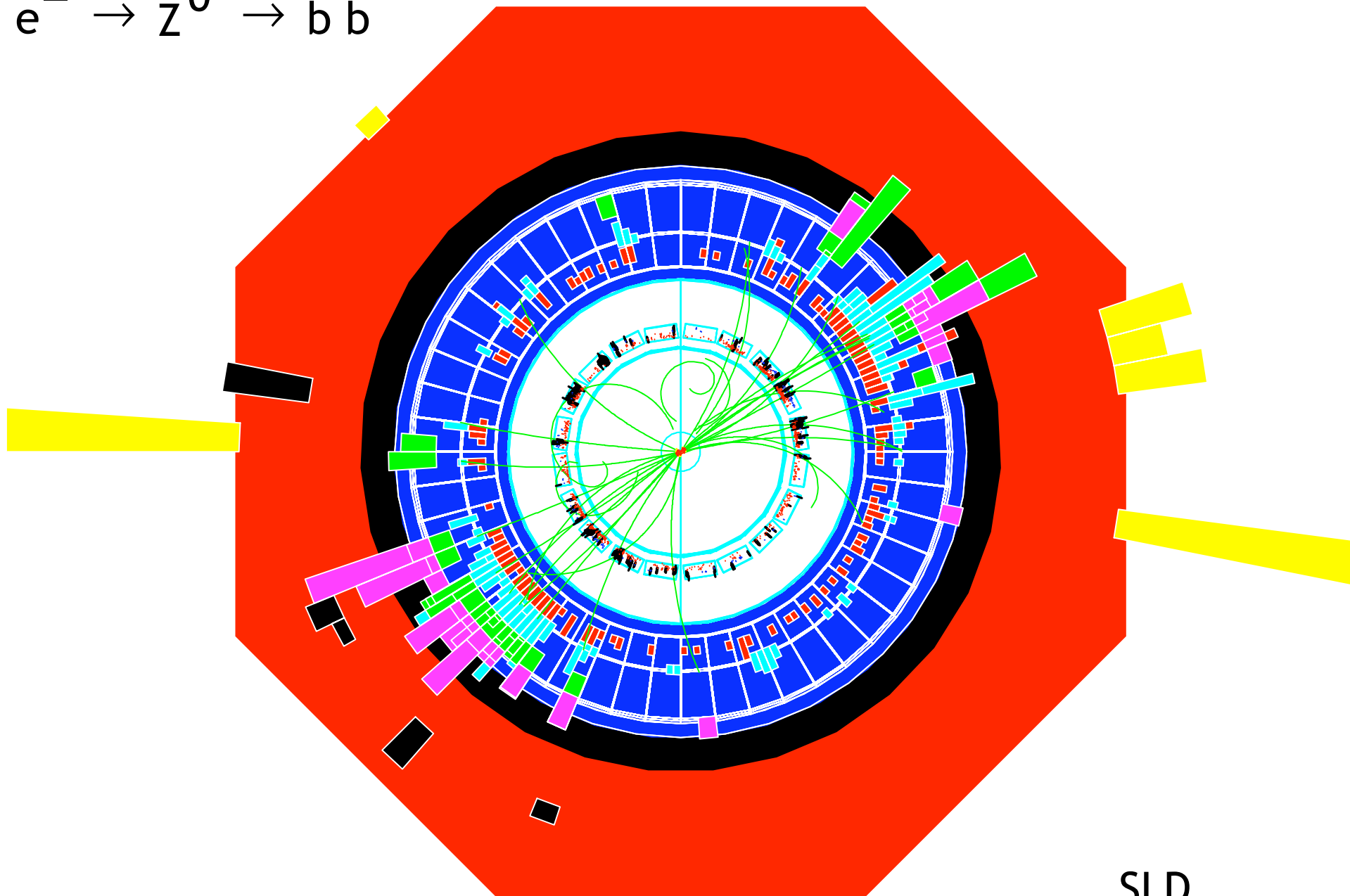
PDG compilation

$$e^+ e^- \rightarrow z^0 \rightarrow q \bar{q}$$

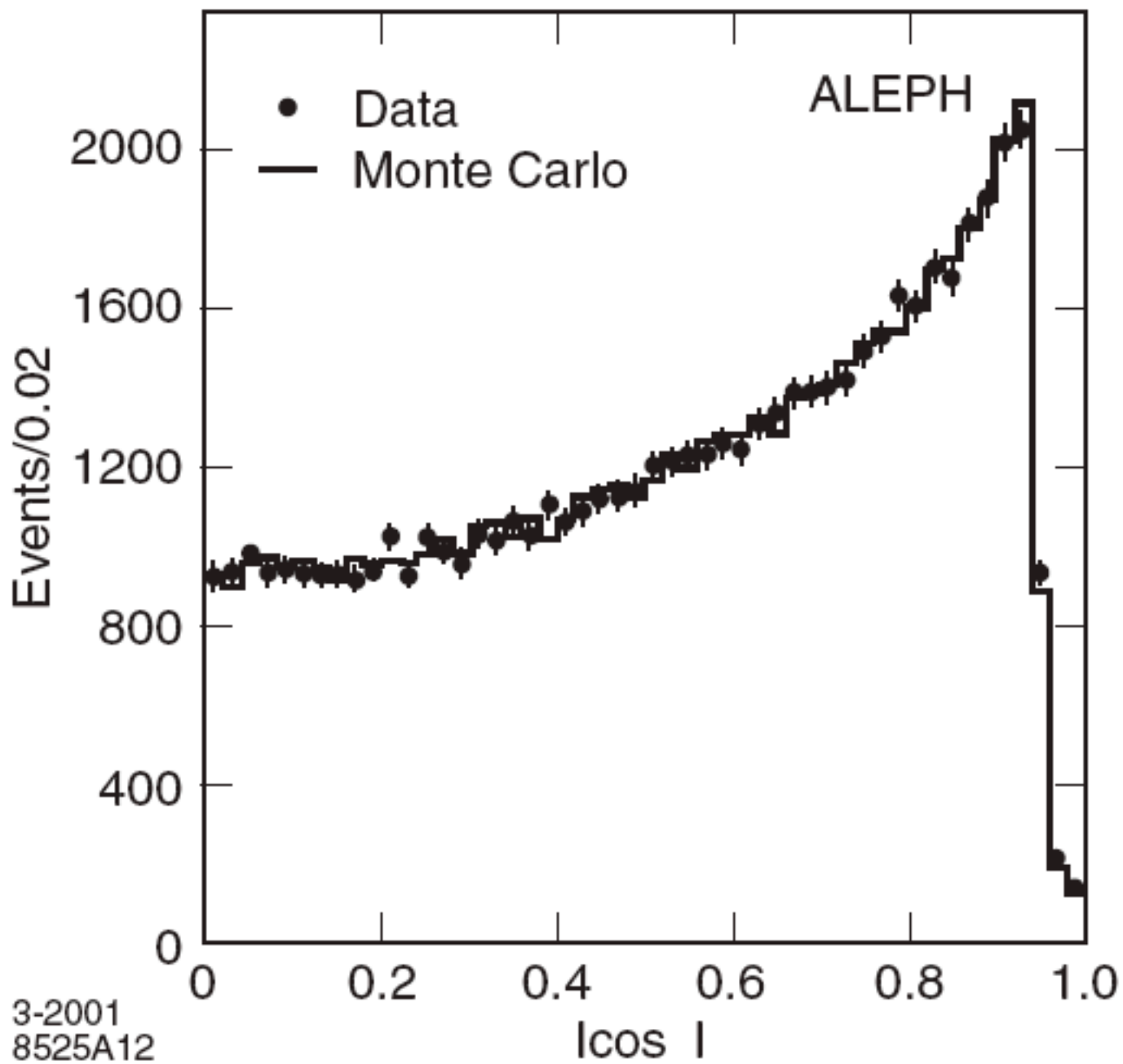


SLD

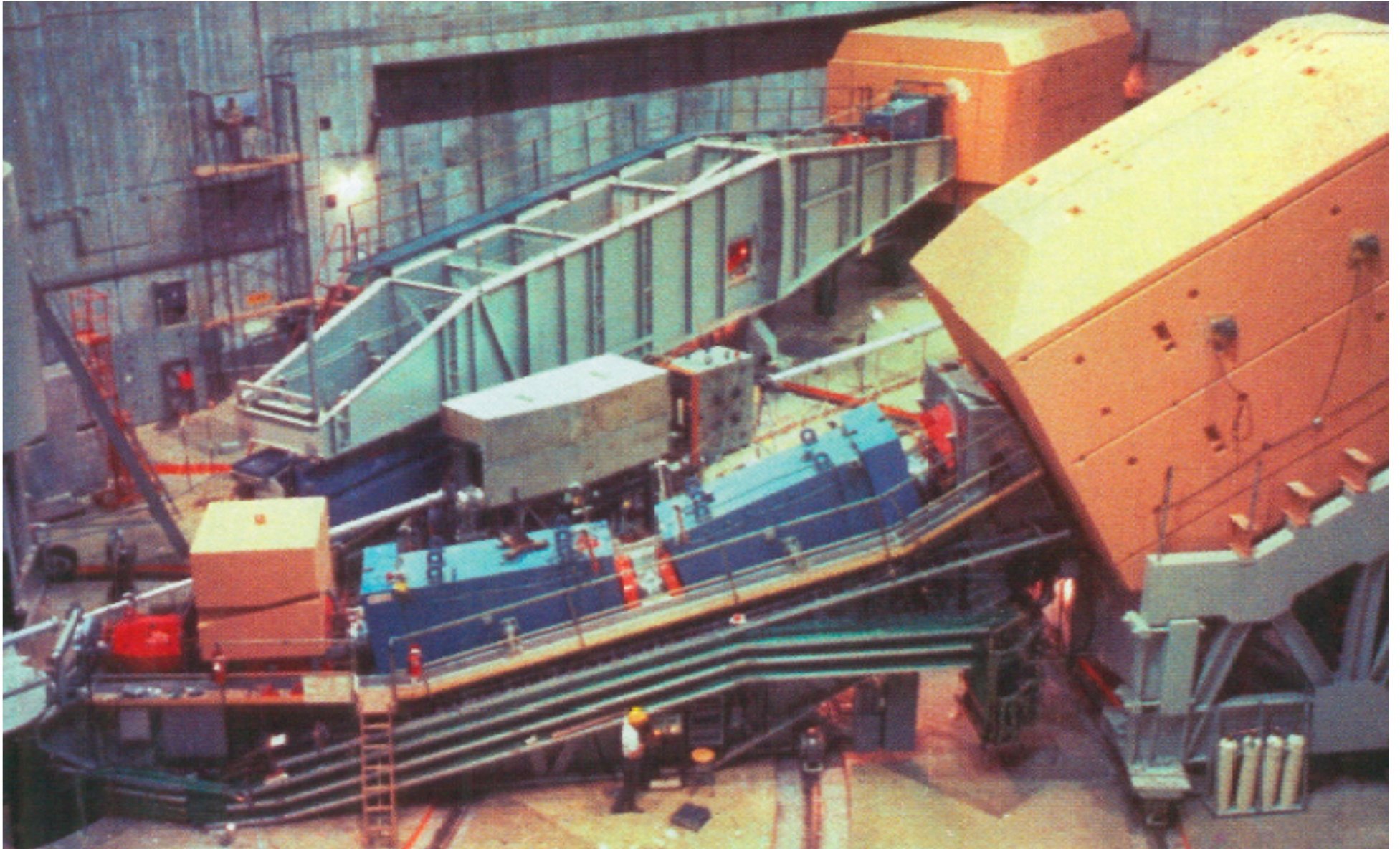
$$e^+ e^- \rightarrow z^0 \rightarrow b \bar{b}$$



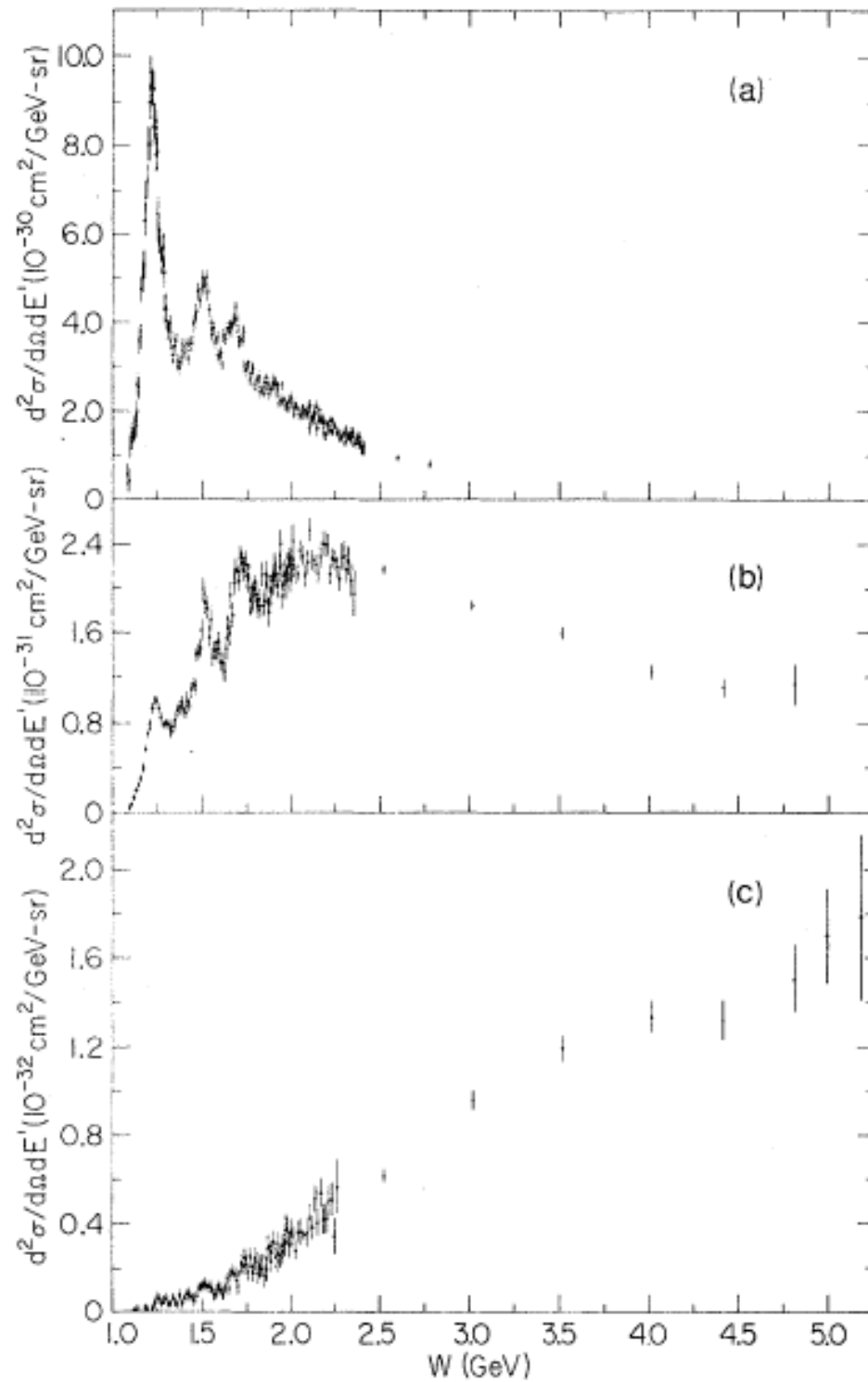
SLD



3-2001
8525A12



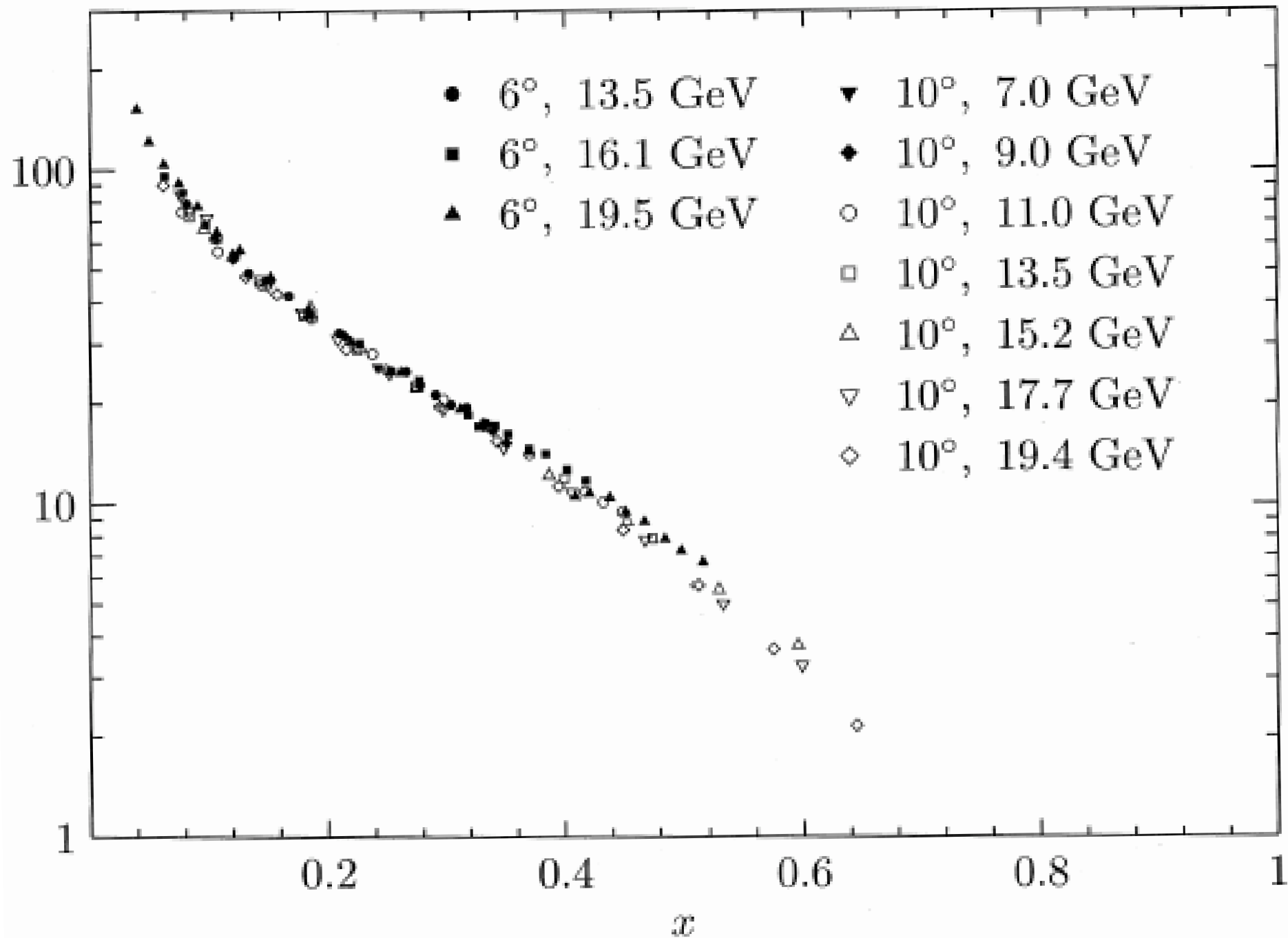
the SLAC-MIT deep inelastic scattering experiment



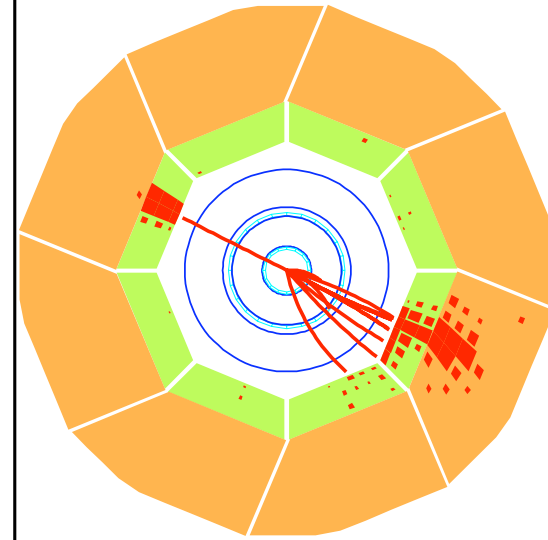
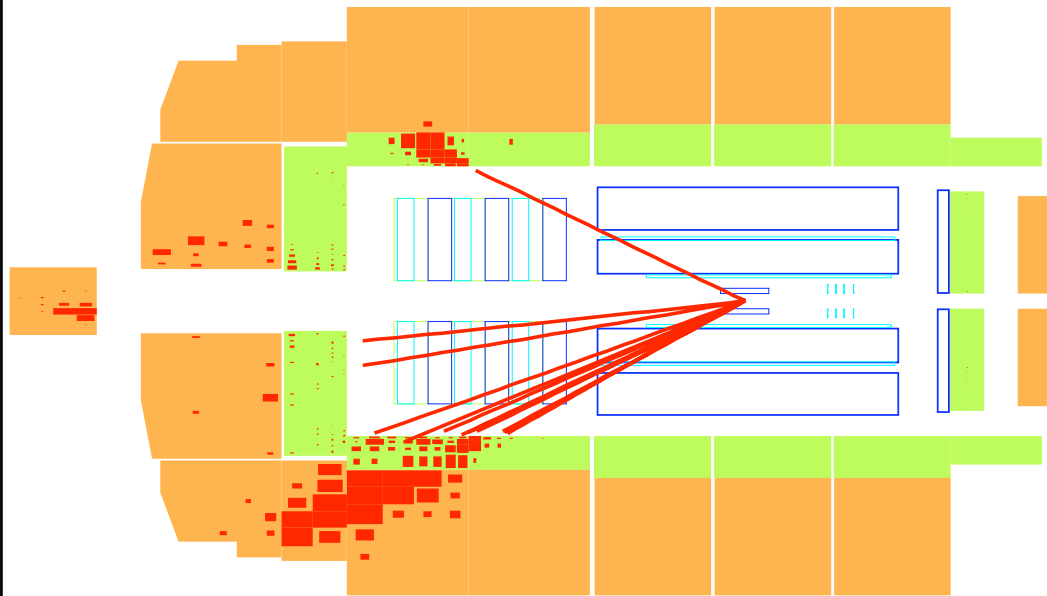
6° , 7 GeV

6° , 16 GeV

10° , 17.7 GeV



$Q^2 = 25030 \text{ GeV}^2, y = 0.56, M = 211 \text{ GeV}$



E_t/GeV

