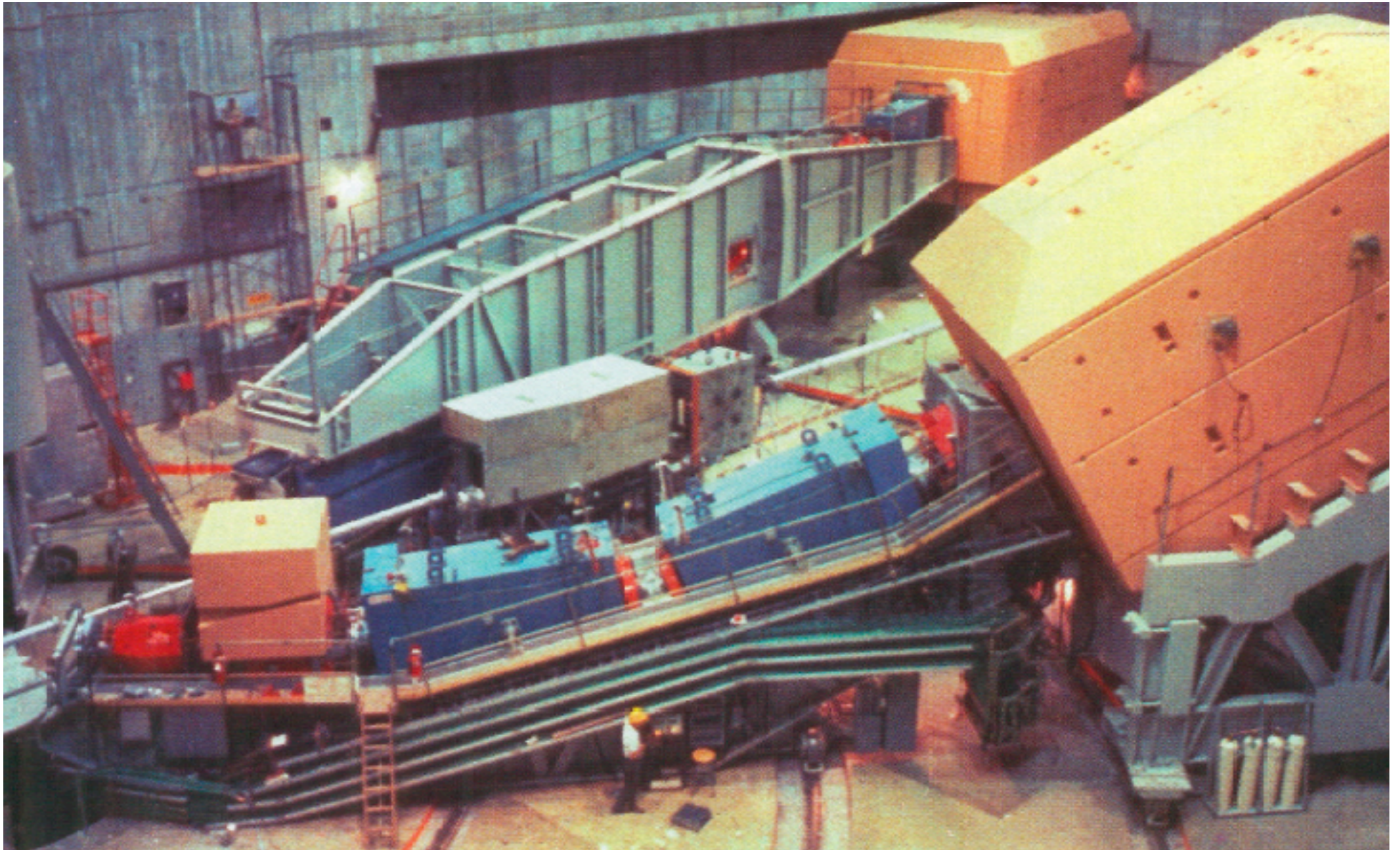


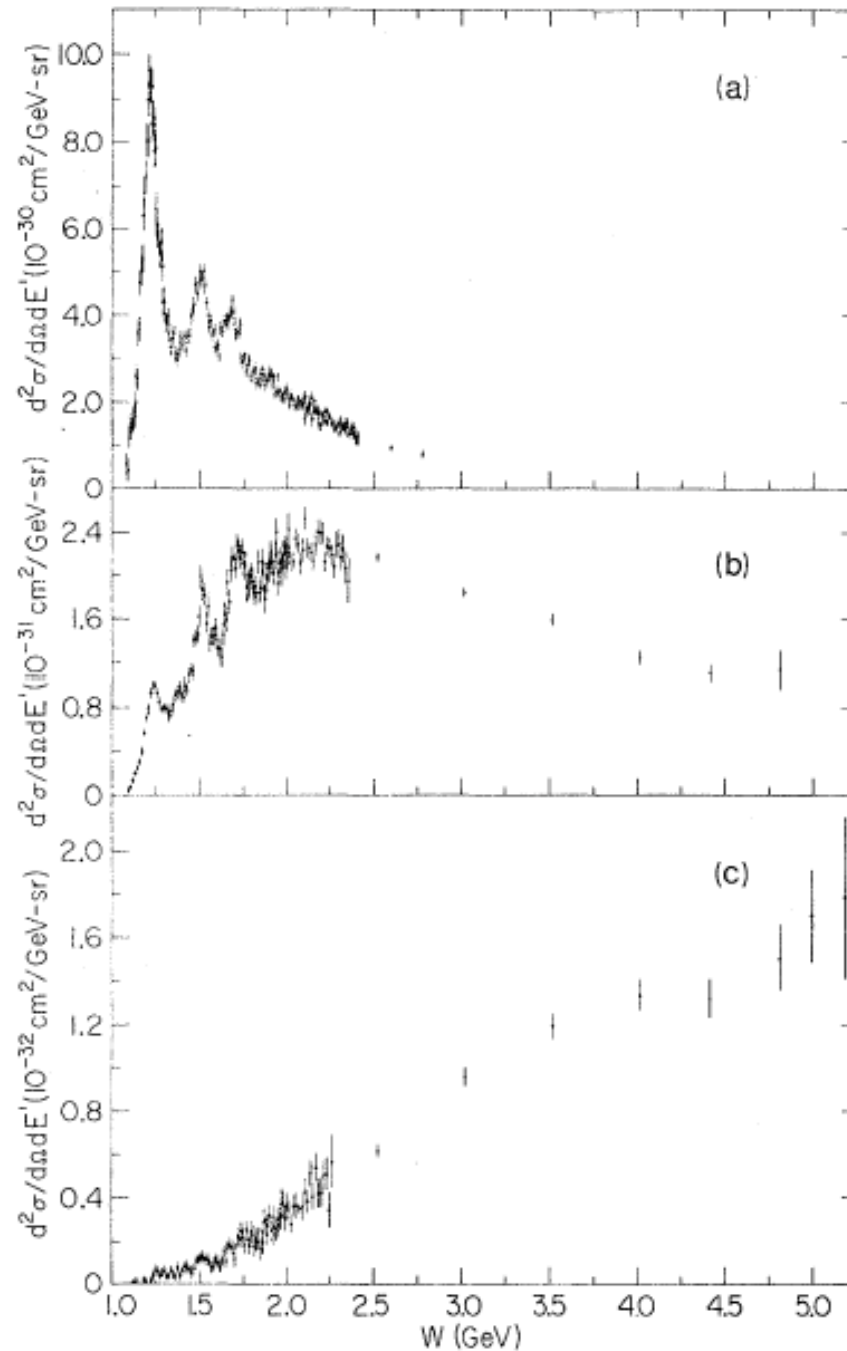
the Standard Model of Particle Physics

figures: Dec. 4
deep inelastic scattering

M. E. Peskin
PSI, December 2009



the SLAC-MIT deep inelastic scattering experiment
1967

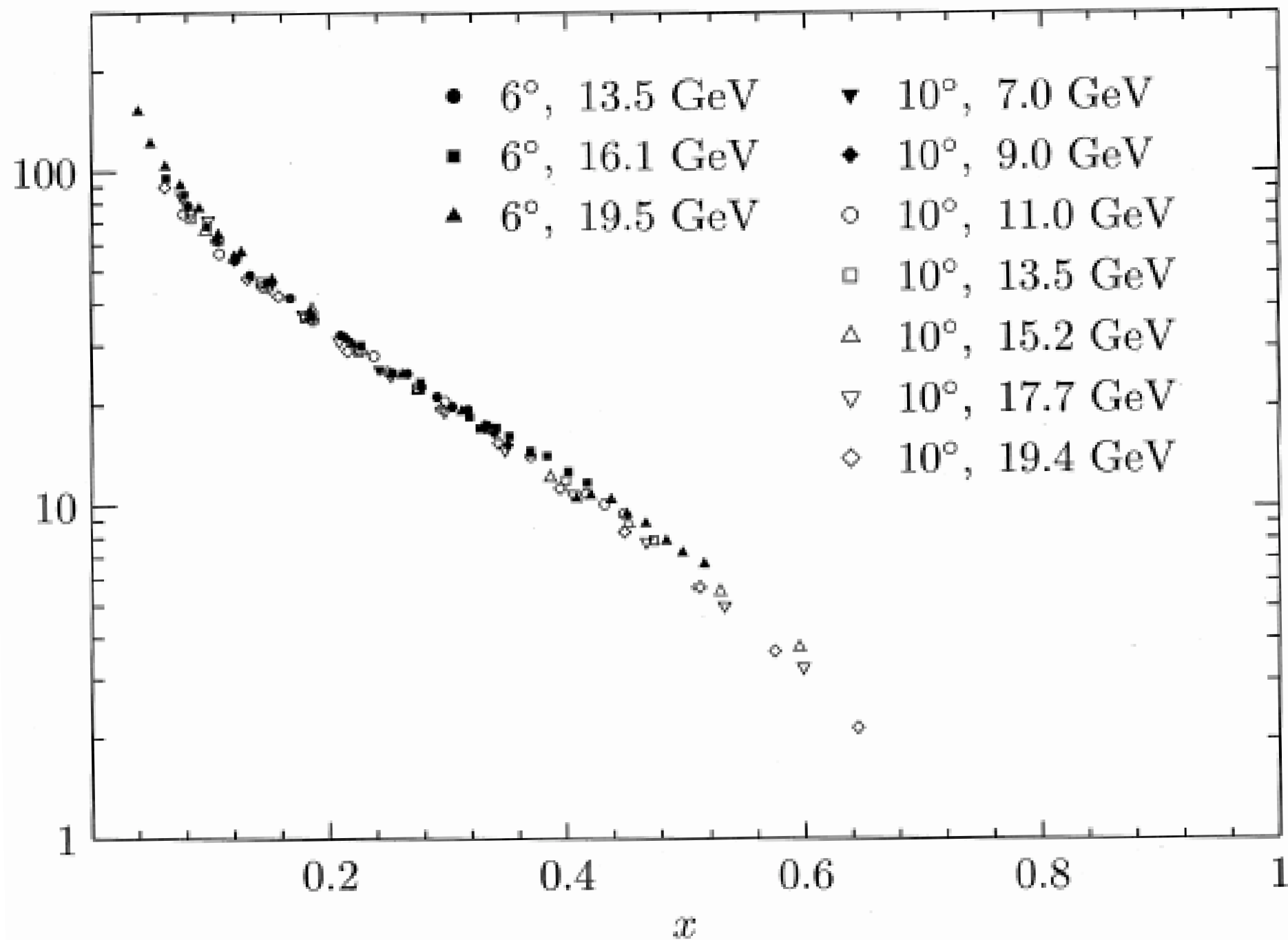


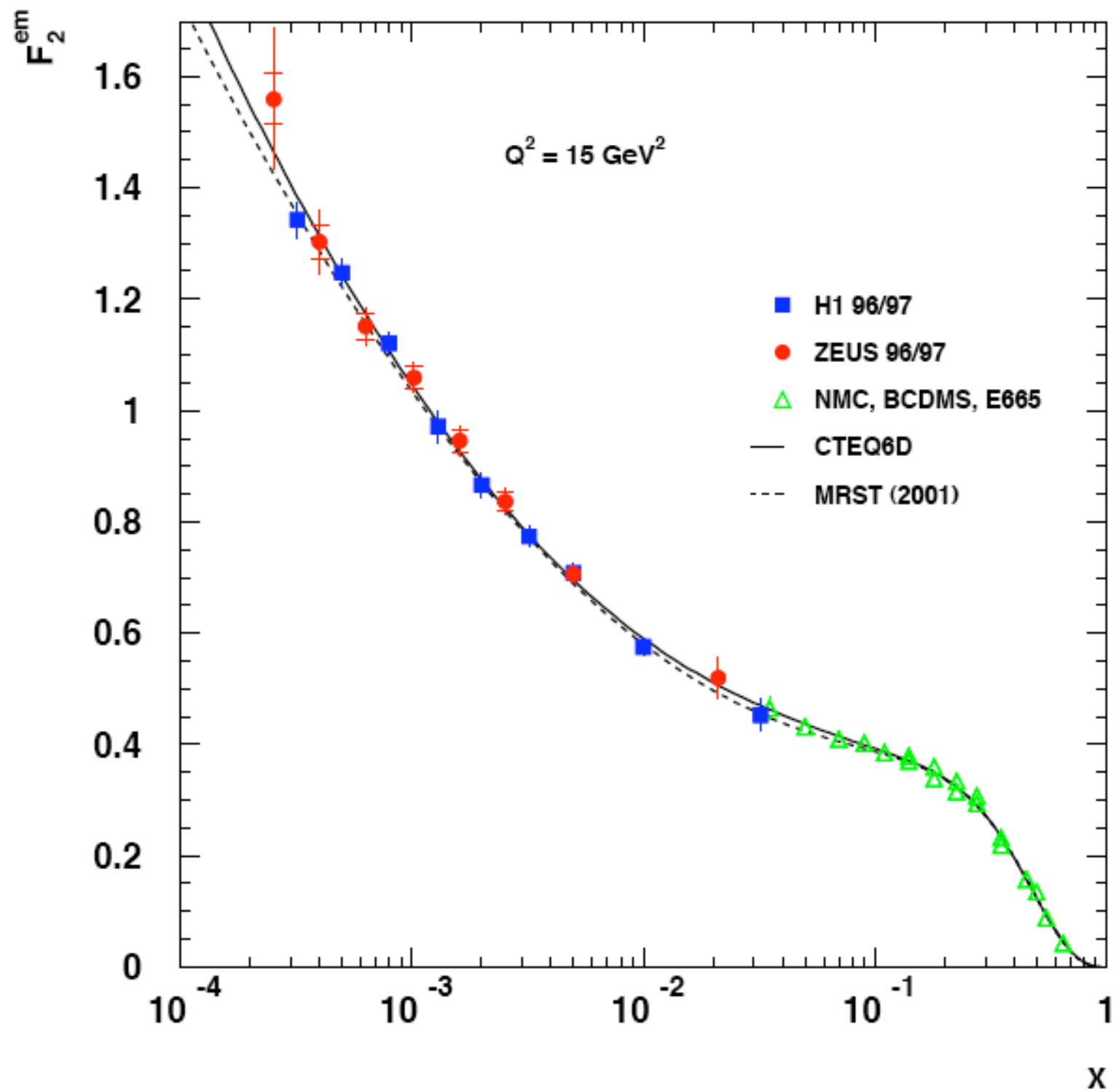
$$\theta = 6^\circ, E = 7 \text{ GeV}$$

$$\theta = 6^\circ, E = 16 \text{ GeV}$$

$$\theta = 10^\circ, E = 17.7 \text{ GeV}$$

SLAC-MIT experiment





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

