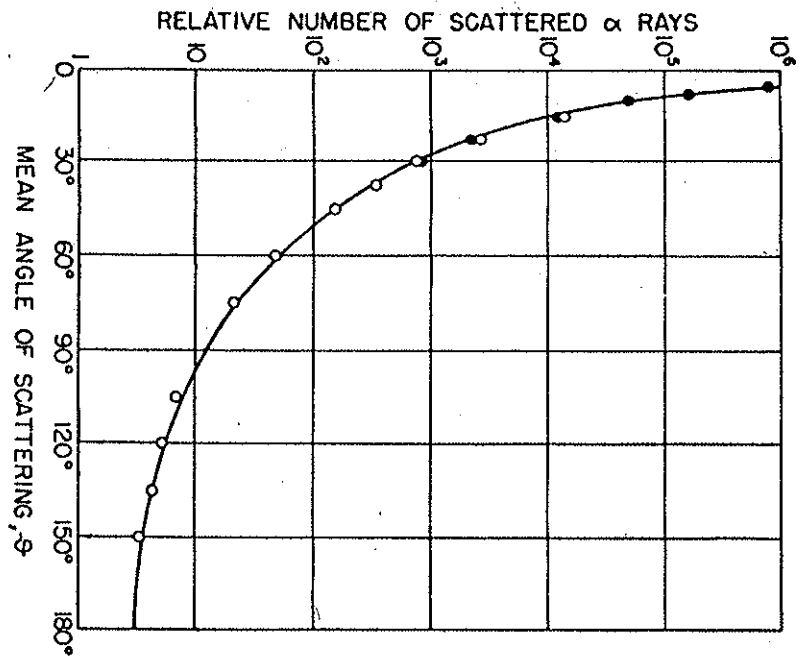


Fig. 12.1. Streamer chamber photograph of a 300 GeV π^- hadronic interaction illustrating the large number of secondary particles and the limited value of the transverse momentum. (From Ref. B.1, with permission.)

5 Elastic electromagnetic scattering



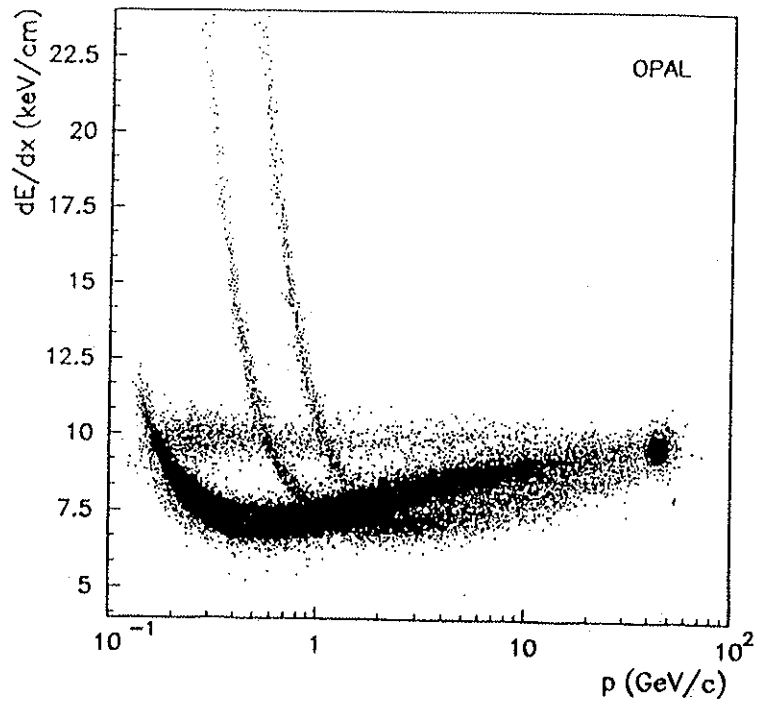
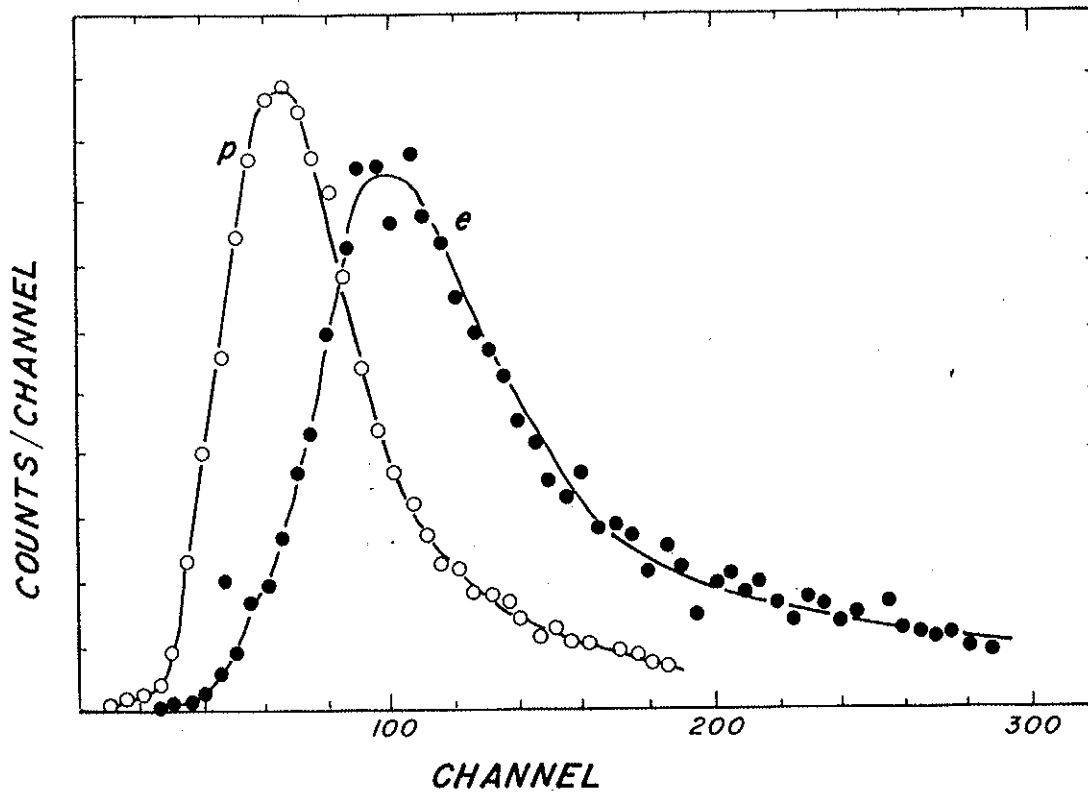
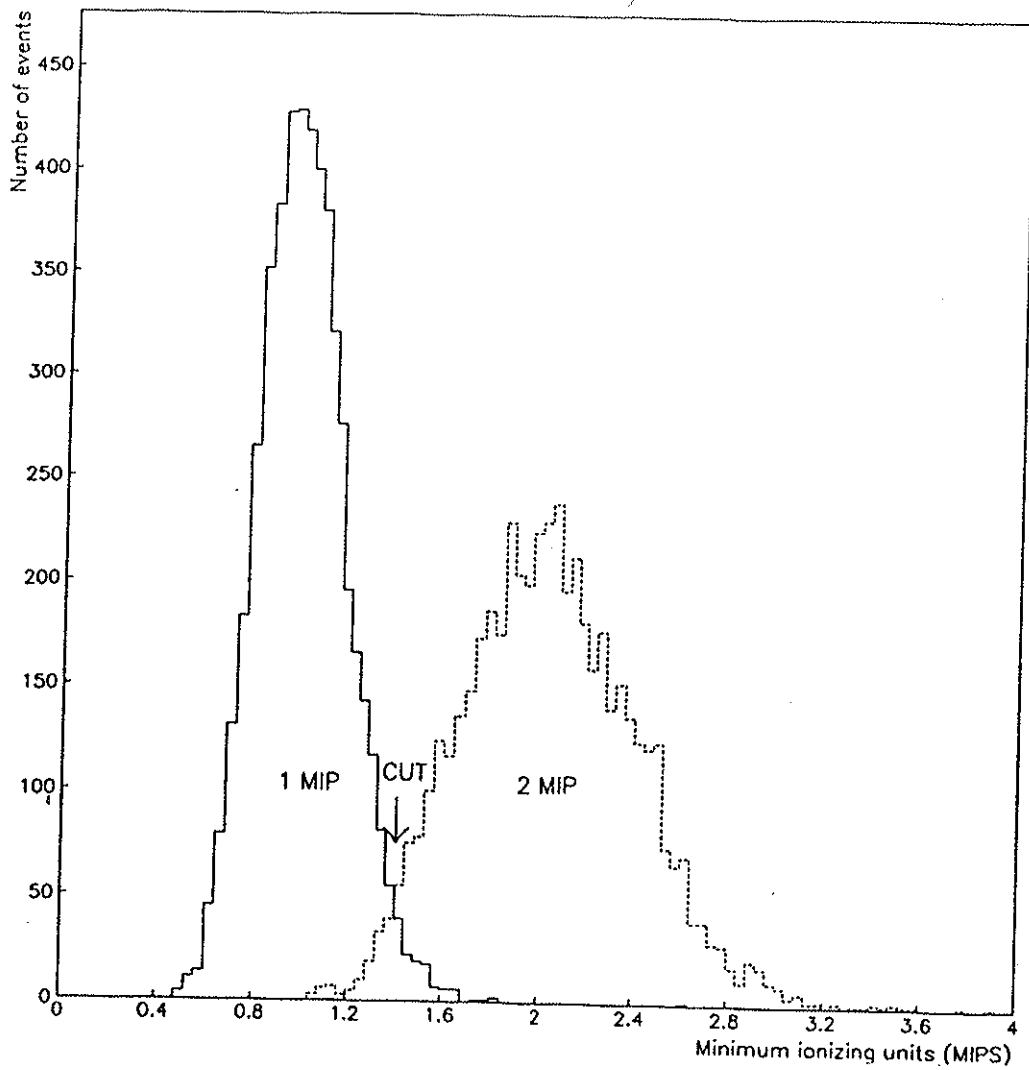


Fig. 6.2. Data showing the ionization dE/dx as a function of particle momentum showing e, π , K, and p bands. The M^2 band separation and $1/p^2$ behavior is evident. (From Ref. 6.9, with permission.)

Figure 2.7 Measured pulse height distributions for 3-GeV/c protons and 2-GeV/c electrons in a 90% Ar + 10% CH₄ gas mixture. (After A. Walenta, J. Fischer, H. Okuno, and C. Wang, Nuc. Instr. Meth. 161: 45, 1979.)





6.4. Data from an ionization detector with many samples showing the distribution of ionization energy for one and two tracks (γ conversions). (From Ref. 6.10, with permission.)