

Volume 9

Elastic and Charge Exchange Scattering of Elementary Particles

Subvolume B1

Pion Nucleon Scattering. Part 1 - Tables of Data

	Introductory material	
0	Introduction	1
1	Tables of data	2
1.1	General remarks	2
1.2	Survey indices	3
1.2.1	List of experiments	3
1.2.2	Survey index for differential cross sections and polarizations	10
1.3	Total cross sections	29
1.4	Differential cross sections	31
1.4.1	Differential cross sections for $(\pi^+)p$ elastic scattering	31
1.4.2	Differential cross sections for $(\pi^-)p$ elastic scattering	148
1.4.3	Differential cross sections for $(\pi^-)p$ charge-exchange scattering	277
1.5	Polarization parameters	323
1.5.1	Polarization parameters for $(\pi^+)p$ elastic scattering	323
1.5.2	Polarization parameters for $(\pi^-)p$ elastic scattering	364
1.5.3	Polarization parameters for $(\pi^-)p$ charge-exchange scattering	375
1.6	Spin-rotation parameters R and A	391
1.7	Literature on pion nucleon scattering experiments	392
1.8	Other compilations of pion nucleon scattering data and reports on related topics	400