

RECENT RESULTS ON THE POLARIZATION PARAMETER
IN π -p AND p-p ELASTIC SCATTERING
FROM 6 TO 12 GeV/c

M. BORGHINI, G. COIGNET*, L. DICK, K. KURODA*,
L. di LELLA, P.C. MACQ**, A. MICHALOWICZ* and J.C. OLIVIER
CERN, Geneva

We present the final results of a measurement of the polarization parameter P_0 in high-energy π^\pm -p and p-p elastic scattering, performed using a target which contained polarized protons. Data were taken at beam momenta of 6.0, 8.0, 10.0 and 12.0 GeV/c for π^- , and of 6.0, 10.0 and 12.0 GeV/c for π^+ and p, in the interval of invariant four-momentum transfer squared $-t$ from 0.1 to 0.75 (GeV/c)².

* Institut du Radium, Laboratoire Joliot-Curie, Orsay (France).

** Present address : Centre de Physique Nucléaire, Université de Louvain, Louvain (Belgique).

