The data on $\bar{p}p \to \pi^-\pi^+$ are given as z, $d\sigma/dz$ and $\Delta d\sigma/dz$, where $z = \cos\Theta$ is the angle between π^- and beam momentum (antiproton) calculated in c.m.s. of the reaction. The differential cross section is given in μb/sr. The total cross section can be calculated as:

$$\sigma = 4\pi \int \frac{dz}{2} \frac{d\sigma}{dz} \tag{1}$$

The target asymmetry data (measured with transverse polarized target) P are given as z, dP/dz and $\Delta dP/dz$.

The are four data sets: two low energy data sets taken with antiproton beam momentum 360-1550 MeV/c [1], the differential cross section taken at 790-2430 MeV/c [2] and polarization measurements taken at 1000-2200 MeV/c [3].

References

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