b.8. For two particles with extremely uneven balance between their moss, the CM frame is essentially the rest frame of the heavier particle. In CM, the cross section is given by

d6 = (tc) 2 SM1 [Pf]

d52 (8T) (E, +E2) [P]

ne take the limit of $\frac{m_A}{m_B} \ll 1$, the process

berry elastiz with no recoil implies [Pf] = 1.

Since the particles are dorting wishable, S=1

Then do - (trc) Mi²

ar 2t