Solutions_Problems Ch. 3 24225: Same as problem 2 in Assignment 3 Conservation of moment un; Y: 0+0- ps' sin 0- psin 0 => pe=pr' = Ex X', \overline{F}_{8} +0 = \overline{F}_{8}' con θ + \overline{P}_{e} con θ = \overline{F}_{8}' + \overline{P}_{e} C \overline{F}_{8}' Conservation of Freign Ex + mec = For+ Vnec 4 + pec 2 Vme2=4+ Fx12 - Fy+mec2-Fy/ -Fy2 m2 = + F/2 = E = + 2 me c = Fy - 2 E & Fy + ma2 = 2 me c Fx + Fy 1 Ex' = (Ex+2mec2) Ex = 0.680 MeV 2(Ex+mec2)

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