12. 83.84 = 45.45 = 145.4. B = 145.4. B By ox 297 = MM & 1 = I) & 1/4 = 1/5 my 10 the chan, and this with Pr= == 5 x5 x10 kg. So the Velociti of the photos is equal to the velociti meganted الم = - الوامر المام ! and that the Pining =0, we know that Py + Permit = Pinisis = 1 miles Morrama Conservation feet's 55 thet 7-0x251 = L 2 he Ez = DE = 1.632 eV with V= 245 xw" "" The arrission Acquera is that at A=2 - N=1 transition Momentum st phone is Py = Ez Encrst of photon is Ez= h v Carpene Monuetin! 1st evente Sher - ground, Fird Velicht! 1) Hichoryon atom events a photon with V of Frankon £24143 EP4 Sheet S Adenter pere 1

100 5 = 55.263 = 3 200 -37 = (128.9- = 1) = 21 = 24 2301 (= Columb construct $\frac{1}{\sqrt{1+c}}$ $\frac{$ = 4 : 1/3 3896 : 41 = 34 , en 16- 14 = 5M 1. 2 3 2 m - = 1. 1003 CENT = 100 = 100 = 100 CENT In = - The C May - - March

