Fr 8-9 Baffre AFGr p 254 Conserve momentum: Ap=0 Comparents: April = April + April = PEx - Picx + PET. April = April = Pri - Pri + Pri -1 mcVfcx - mcVicx + mTVfg - mTVitz = 0 01 mc V/2 - mc Vicy + M, V/2 - M, Vicy = 0 Before: Voix = VTiz = 0 After: VCF = VTF = VE VCE = VTF = VF mcVFx + mrVxx - mrVitx =0 ging: Mc Ver + M-Ver - Mc Vicy = 0 - (me+m) VE = mV (m. + m. ) VE = m. Vier

HET But

$$|\vec{V}|^2 / V_{ex}^2 + V_{ex}^2 = /(6.67m_{r'})^2 + (5m_{r'})^2$$

$$|\vec{V}|^2 = 8.3 \text{ ms}^2$$