Goldsteh 7.19 (macso) -> (Ymuc, Ymuv) + (-/myv, -/muv) The frame did not change, impose conservation of momentum, MIC = 8 mic - 8 mil = 8 mil [c-V] => m== 7[1-B] =>  $\frac{1}{m_n} = \frac{1}{1-\beta} = \frac{1}{(1-\beta)(1+\beta)} = \frac{1}{1+\beta}$ mm = + [1+B]. T= E-mc2 = (7-1) mmc2. = 1 [ mo + mn ] - 1 | mn c2 = \frac{m\pi + m\n}{2m\pi m\_n} - 1 \mu\_n c^2  $=\frac{\left(m_{\overline{q}}-m_{n}\right)^{2}}{2m_{\overline{q}}}$ 

1.14.2024