

(mo c2) proton = 1.67 x 10-27 x 11.

= 938 MeV

Energy Momentum Relation

mov

V1 - U2

 $p^{2} c^{2} + m_{0}^{2} c^{4} = m_{0}^{2} v^{2} c^{2} + m_{0}^{2} c^{4}$

 $\frac{m_0^2c^4}{1-v^2/c^2}$

 $\frac{\sqrt{m_0e^2}}{\sqrt{1-\sqrt{2}}}$

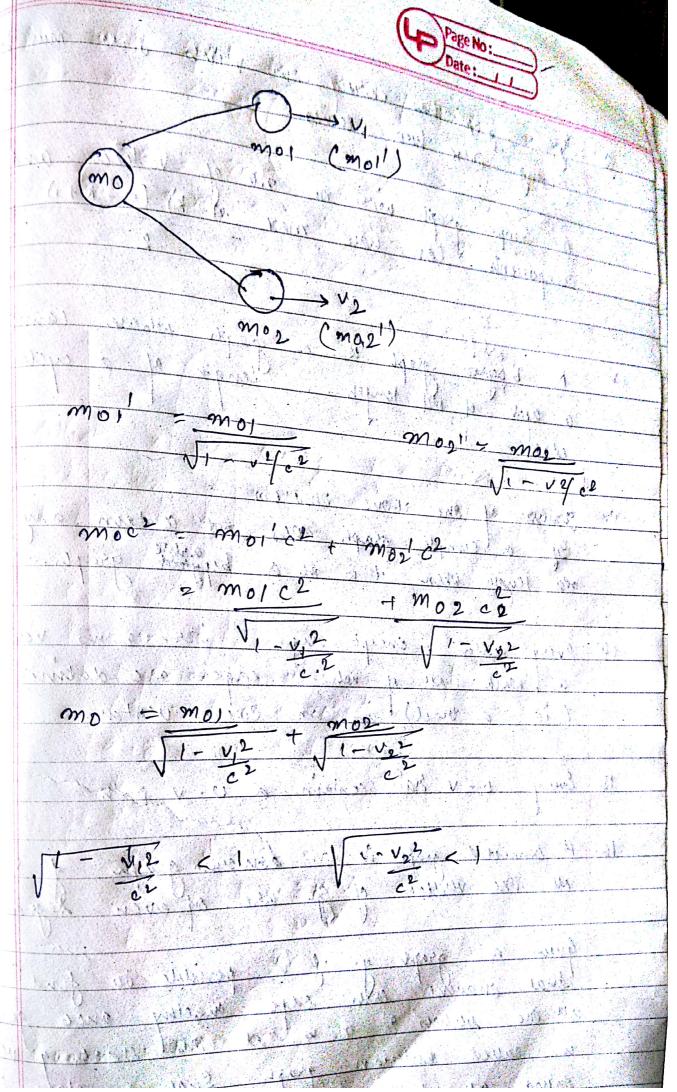
c2 = P2c2 + mo2c4

A body y rest mass mo break up into 2 part.

spontaneously with rest mass weith Mo, & Mo2 &

speed V, Q V2 respectively - brave mot mo, + mo2

 $m_0 V = m_0 I V_1 + m_0 V_2$



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