Specijalna te ovija relativnosti

D-? v=0,6c. t1=12505 a = ct; = 3,75 · 10" m $t_2 = \frac{t_{20}}{\sqrt{1 - \frac{v_1}{c_2}}}$ $t_{20} = 1606$ s $t_2 = \frac{d}{v} = 2083335$ 2) mp = 938,27 HeV/c2 E (v)=yemc² = (y-1)mc² +mc²

kinetička energija

energija mirovanja Mu = 2 McV/c2 p=ymv md = 4,5 HeV/c2 y ≈ 2c2 $E^2 = \rho^2 c^2 + m^2 c^4$ 2 mu+ md ~ 0,9% E = me2 E=MC2 šta je ovo E = Ex + mc2 = lmc2 Hm2C4 = p2C2 + m2C4 $M = \frac{E}{C^2}$ 3 H -7 M1 p=13 mc E= m2c9+p2c2 MI H M2 PIIPE = ? 72/2 (P1)=|P2|2 E= E+E2 - E2=E-E1/2 $E_2^2 = (E - E_4)^2$ $\frac{1}{2} P_2 I^2 = P_1 I^2$ M2C4 + P2C2= (E-E1) m2 c4 + P1 c2 = (E-E1) m2c4+51-m2c4= = -2EE,+51 m2 c4-m1c4 = M2 c4-2Mc2 (71-m1c2) $T_1 = C^2 \frac{(H - M_1)^2 - M_2^2}{M^2}$

