- Q Eenth - 30 km/s  $\frac{\partial E}{\partial t^2} = \frac{1}{2} \frac{\partial E}{\partial x^2}$ F= ma -> Asolnte mential frame speed of light is c=3×10° m/s in absolute this absolute frame is where ethenis vest t = \_\_\_/

$$2\left(L_{1}+L_{2}\right)\left[\frac{C}{c^{2}-v^{2}}\left(\frac{C}{c^{2}-v^{2}}\right)^{1/2}\right]$$

$$-\left(\frac{C}{c^{2}\left(1-\frac{v^{2}}{c^{2}}\right)}-\frac{1}{c^{2}\left(1-\frac{v^{2}}{c^{2}}\right)^{1/2}}\right]$$

$$T=\frac{1}{v}=\lambda \qquad \lambda v=c$$

$$-\frac{1}{c}\left[1+\frac{v^{2}}{c^{2}}-\left(1+\frac{v^{2}}{2c^{2}}\right)\right]$$

$$T=\frac{1}{v}=\lambda \qquad \lambda v=c$$

$$\frac{dT}{T}=\frac{dT}{\lambda}$$

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$$\frac{dT}{dt}=\frac{dT}{\lambda}$$

$$\frac{dT}{dt}=\frac{dT}{\lambda$$

$$\frac{1}{1} = \frac{1}{1} = \frac{1}$$

1-1/62

 $KE = \frac{1}{2}mV^2$ 40 MeV -> 0.9999C