1		Multiple Choice - Single Answer	→ 30	- н	ide Answer
			ength equal to L_0 are crossing one $rac{a}{2}$ et measured by an observer in the o	another from opposite directions at velo ther rocket is	cities \pm 0.56 c as observed from
		L_0			
	•	0.383 L_0			
		0.203 L_0			
		0.916 L_0			
		0.242 L_0			
		0.764 L_0			
_					
2		Multiple Choice - Single Answer	→ 3.0	. Н	ide Answer
		kinetic energy of a freely ed of light in vacuum) is	moving object is 0.9 MeV. If the mas	is of the object is 10.0 MeV/ c^2 then its s	peed (in the unit of c, where c is the
		0.123c			
	•	0.397c			
		0.816c			
		0.203c			
		0.729c			
		0.54c			
3		Multiple Choice - Single Answer	× 0.0	. Н	ide Answer
		Allswer			
	gro		m. The measured length differs from	und. An observer on the jet is measuring the actual length on ground by an amo	
		107.741 picometer			
		538.709 picometer			
		269.354 picometer			
	•	53.87 picometer			
		1131.29 picometer			
		808.064 picometer			



