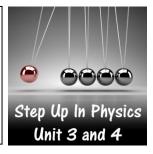
S.H.E: Special Relativity

Problems Worksheet



1. Describe how the detection of muons on the surface of the Earth after being created in the upper atmosphere is supporting evidence for time dilation as predicted by Einstein's theory of special relativity.

2. In the frame of a muon there is no time dilation effect which can extend its half life. How can the muon explain its ability to reach the surface before decaying?