Problem VII.1

Calculate the center-of-mass cross section $\frac{d\sigma}{d\theta^*}$ (i.e. in the CMS) for the process of spinless $e^-e^+ \rightarrow e^-e^+$ scattering, where $\theta^*$ is the center-of-mass scattering angle between the outgoing $e^-$ and the incoming $e^+$. How does it differ from the spinless $e^-\mu^+ \rightarrow e^-\mu^+$ scattering you calculated before?

Hints:
rework the expressions $s$-$t$-$u$ etc. in terms of $\theta^*$

Solution:
no solution yet