

HW assignment 5. Due Thu April 14 on the lecture

Find the total cross section of $e^+e^- \rightarrow \mu^+\mu^-$ annihilation (averaged over the polarizations of incoming electron and positron) at high energies (assume $s \gg m^2, \mu^2$). From QED viewpoint the μ -meson is just a massive electron with mass μ .