

Abstract

Study of the Spin flipping of Muon is carried out via exchange scattering from a Muonic atom as a target in the presence of intense laser field of intensity 10^{23} wcm^{-2} . And solve this problem by using quantum mechanical scattering theory including the effect of external laser field on free Muon as well as including the Dressing effect of target Muonic Atom. Scattering considered to be elastic at small angles, as at large angles exchange effect diminished as the particles becomes distinguishable.