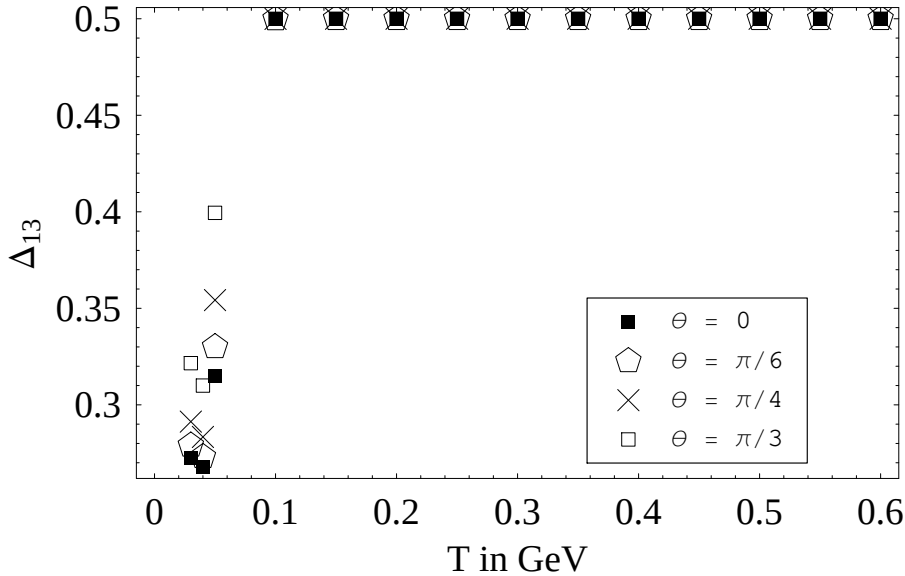a) eB = 1 GeV^2, μ = 0 GeV and ω = 0.1 fm^{-1}