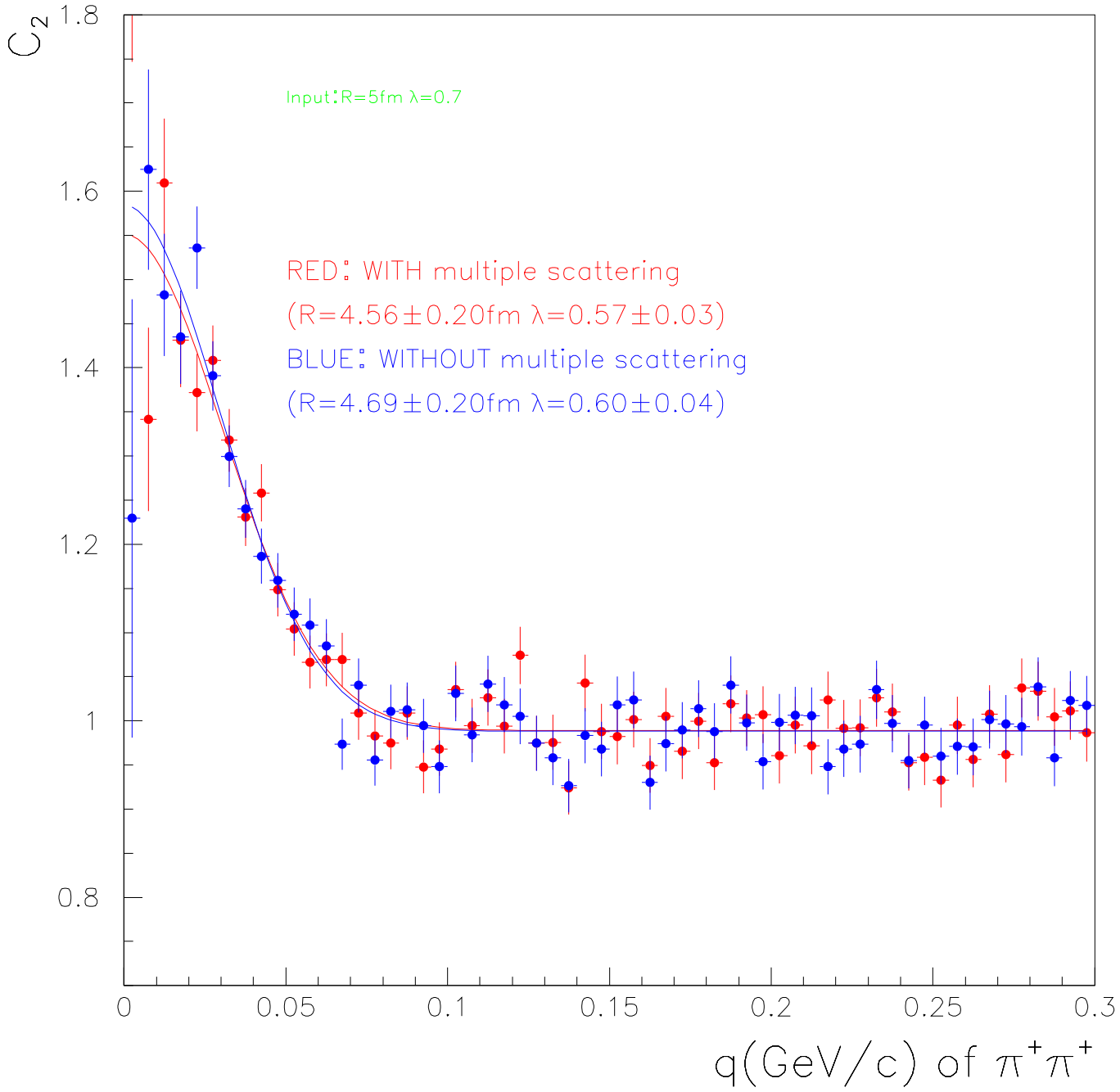Effects of Multiple Scattering