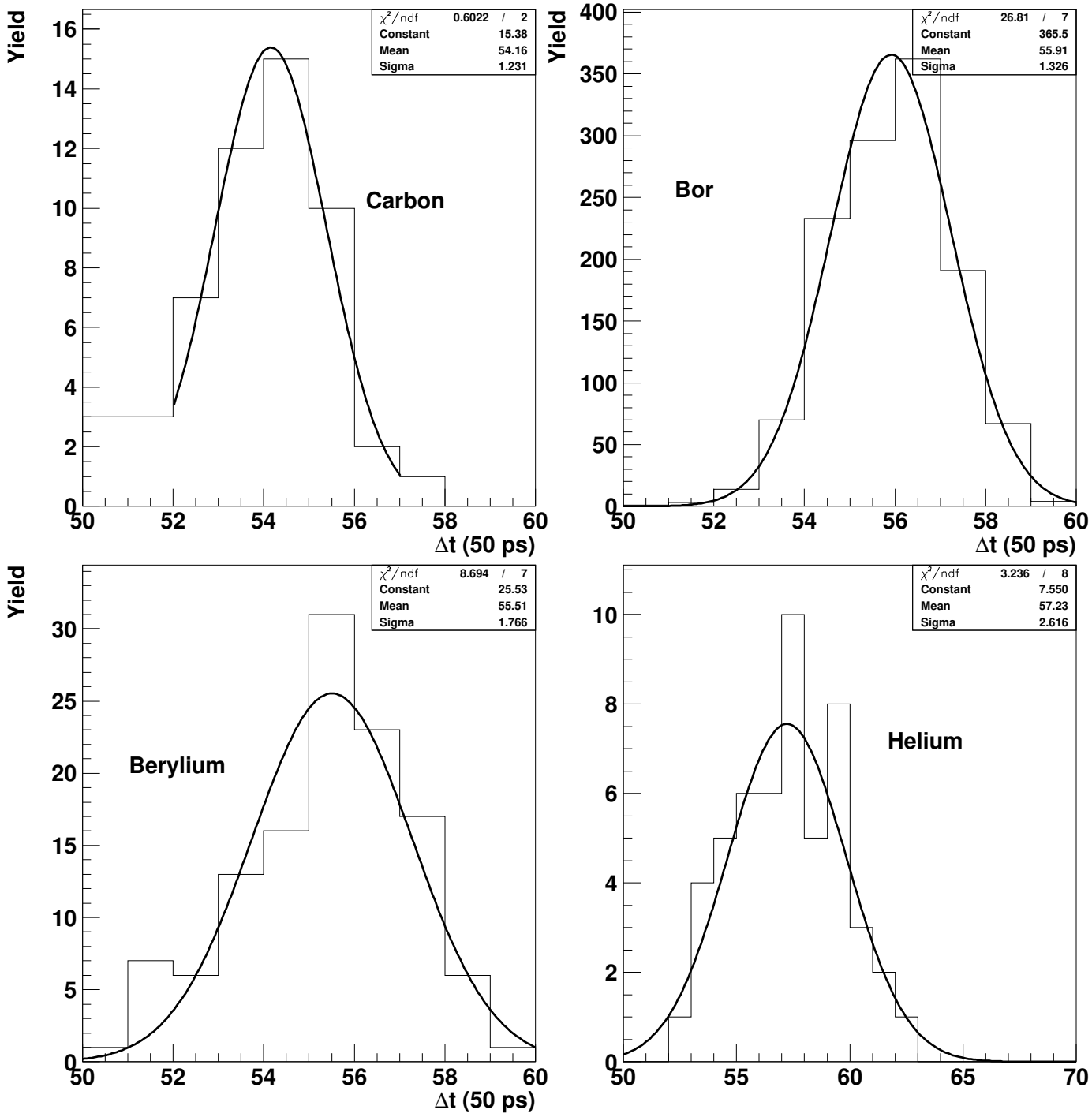Time resolution of the scintillator bar