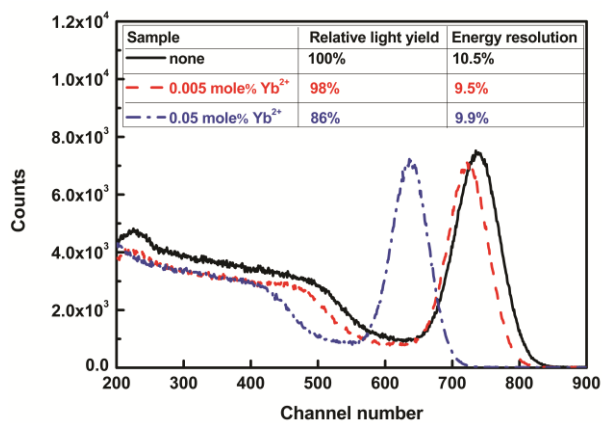


Optical absorption spectra and X-ray excited luminescence spectra of CsI:Tl *group A* crystals (a); Their photoluminescence decay profiles, monitoring at $\lambda_{\text{ex}}=322$ nm and $\lambda_{\text{em}}=520$ nm (b).



Pulse height spectra of CsI:Tl *group A* crystals, when excited with a ¹³⁷Cs source. The inset is the derived relative light yield and energy resolution.