(7.10) An experiment is done with ^{60m}Co which emits 0.05860 MeV γ. The detector used is a NaI crystal. What photo peaks will be observed if the electron binding energies in sodium are K 1072 and L 63 eV, and in iodine K 33170 and L 4800 eV?

$E_\gamma := 0.05860 \cdot 10^6$ eV This is the full γ-energy

The observed lines correspond to the photo electron energies. Hence:

$E_b := 63$	$E_e := E_\gamma - E_b$	Eqn.(7.24)	$E_e \cdot 10^{-6} = 0.059$	MeV L Na
$E_b := 1072$	$E_e := E_\gamma - E_b$		$E_e \cdot 10^{-6} = 0.058$	MeV K Na
$E_b := 4800$	$E_e := E_\gamma - E_b$		$E_e \cdot 10^{-6} = 0.054$	MeV L I
$E_b := 33170$	$E_e := E_\gamma - E_b$		$E_e \cdot 10^{-6} = 0.025$	MeV K I