DEVICE side Restricted Macroscopic Cross Section Data memory alignment for a `G4HepEmMCCData` with the index of `imc`
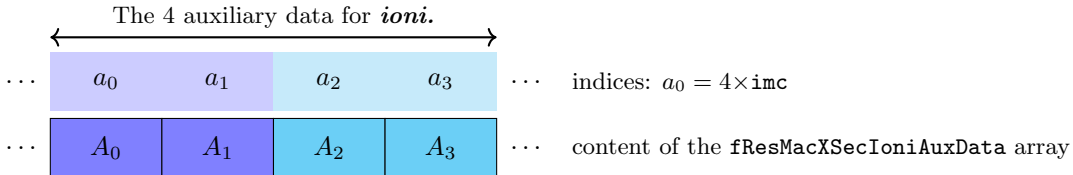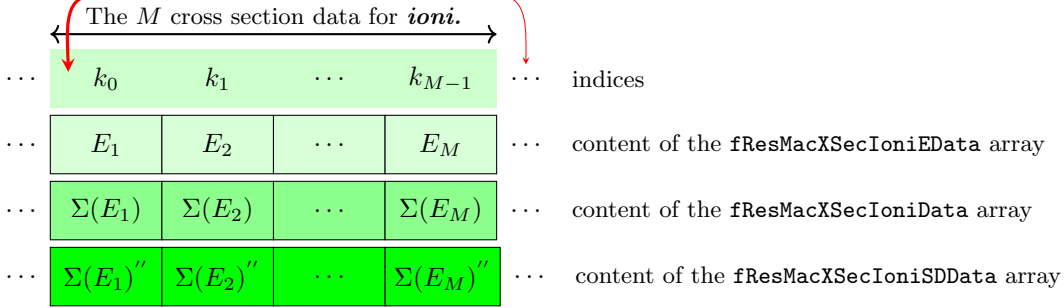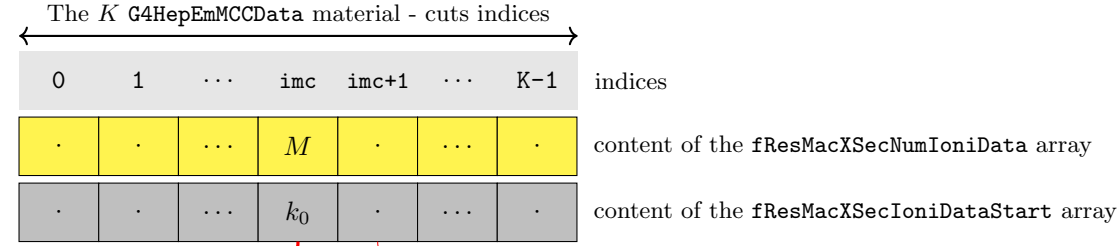

Ionisation

The K `G4HepEmMCCData` material - cuts indices

0	1	$\cdots$	imc	imc+1	$\cdots$	K-1	indices
·	·	$\cdots$	M	·	$\cdots$	·	content of the `fResMacXSecNumIoniData` array
·	·	$\cdots$	k_0	·	$\cdots$	·	content of the `fResMacXSecIoniDataStart` array

The M cross section data for ***ioni.***

k_0	k_1	$\cdots$	k_{M-1}	indices
E_1	E_2	$\cdots$	E_M	content of the `fResMacXSecIoniEData` array
$\Sigma(E_1)$	$\Sigma(E_2)$	$\cdots$	$\Sigma(E_M)$	content of the `fResMacXSecIoniData` array
$\Sigma(E_1)''$	$\Sigma(E_2)''$	$\cdots$	$\Sigma(E_M)''$	content of the `fResMacXSecIoniSDData` array

The 4 auxiliary data for ***ioni.***

a_0	a_1	a_2	a_3	indices: $a_0 = 4 \times$ `imc`
A_0	A_1	A_2	A_3	content of the `fResMacXSecIoniAuxData` array

Bremsstrahlung

The K `G4HepEmMCCData` material - cuts indices

0	1	$\cdots$	imc	imc+1	$\cdots$	K-1	indices
·	·	$\cdots$	N	·	$\cdots$	·	content of the `fResMacXSecNumBremData` array
·	·	$\cdots$	l_0	·	$\cdots$	·	content of the `fResMacXSecBremDataStart` array

The N cross section data for ***brem.***

l_0	l_1	$\cdots$	l_{N-1}	indices
E_1	E_2	$\cdots$	E_N	content of the `fResMacXSecBremEData` array
$\Sigma(E_1)$	$\Sigma(E_2)$	$\cdots$	$\Sigma(E_N)$	content of the `fResMacXSecBremData` array
$\Sigma(E_1)''$	$\Sigma(E_2)''$	$\cdots$	$\Sigma(E_N)''$	content of the `fResMacXSecBremSDData` array

The 4 auxiliary data for ***brem.***

b_0	b_1	b_2	b_3	indices: $b_0 = 4 \times$ `imc`
B_0	B_1	B_2	B_3	content of the `fResMacXSecBremAuxData` array