

**HOST** side Energy Loss Data memory alignment for a **G4HepEmMCCData** with the index of **imc**

The kinetic energy grid (common for all G4HepEmMCCData)

0    1    ...    N-1    indices

$E_1$	$E_2$	$\dots$	$E_N$	t
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the fELossEnergyGrid array

$5 \times N$  Energy Loss Data for the `G4HepEmMCCData` with index of `imc`: indices and content of the `fELossData` array

$\leftarrow \rightarrow$   
 $\cdots r_0 r_1 r_2 r_3 \cdots r_{2N-2} r_{2N-1} s_0 s_1 s_2 s_3 \cdots s_{2N-2} s_{2N-1} ir_0 ir_1 \cdots ir_{N-1} \cdots$   
 $\cdots R(E_1) R(E_1)''' R(E_2) R(E_2)''' \cdots R(E_N) R(E_N)''' S(E_1) S(E_1)''' S(E_2) S(E_2)''' \cdots S(E_N) S(E_N)''' E(R_1)''' E(R_2)''' \cdots E(R_N)''' \cdots$   
 $\leftarrow \rightarrow \times \leftarrow \rightarrow \times \leftarrow \rightarrow$   
 2N Range Data:  $r_0 = 5 \times \text{imc} \times N$       2N Stopping-Power Data:  $s_0 = r_0 + 2N$       N Inverse-Range Data:  $ir_0 = r_0 + 4N$