

randNum = random(sum(EnRange))

0  $\underbrace{\quad\quad\quad}_{e^-/e^+} \underbrace{\quad\quad\quad}_{\mu^+/\mu^-} \underbrace{\quad\quad\quad}_{K^+/K^-} \dots$

for i in randNum:

if  $i \leq \text{EnRange}[0]$

$e^-+ = 1$   
if else  $i \leq \text{EnRange}[0] + \text{EnRange}[1]$  and  $\geq \text{EnRange}[0]$   
 $\mu^+ = 1$