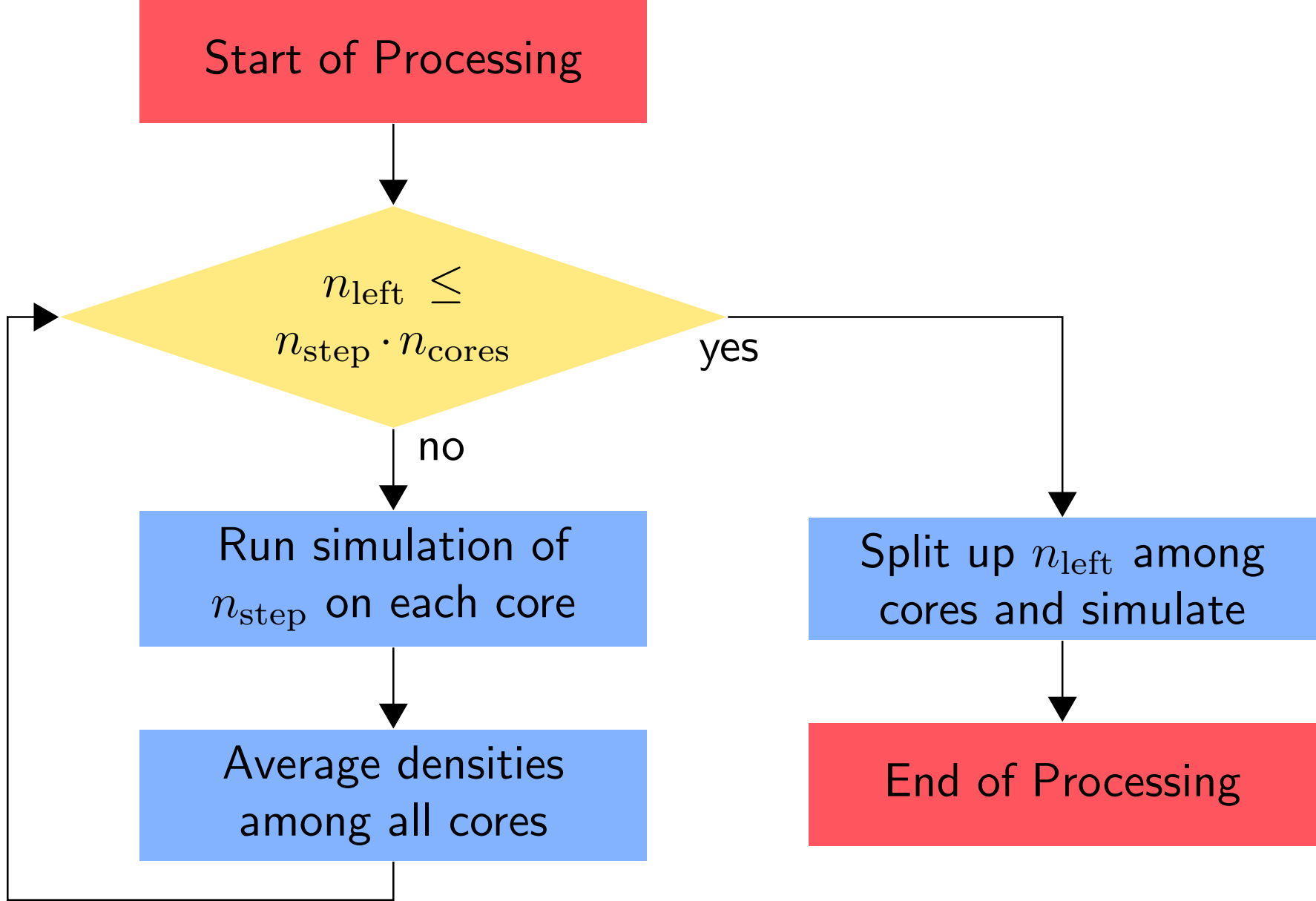
Start of Processing
$n_{\text{left}} \leq n_{\text{step}} \cdot n_{\text{cores}}$
yes
no
Run simulation of n_{step} on each core
Average densities among all cores
Split up n_{left} among cores and simulate
End of Processing