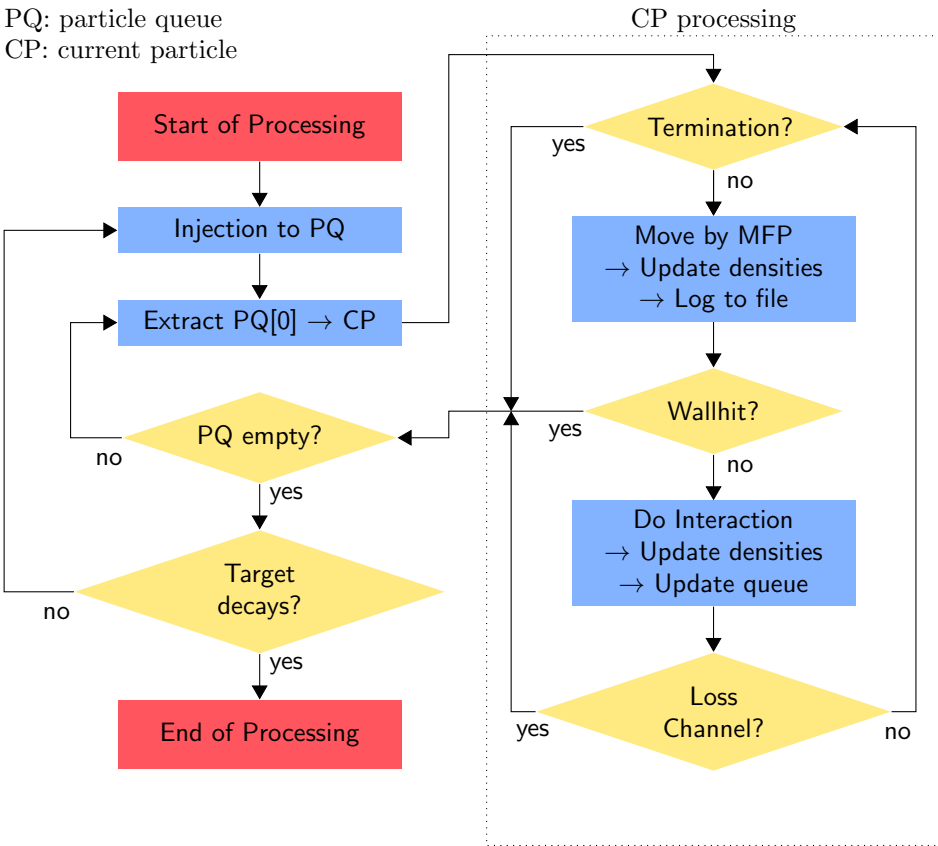
PQ: particle queue
CP: current particle
CP processing
Start of Processing
Injection to PQ
Extract PQ[0] → CP
PQ empty?
no
yes
Target decays?
no
yes
End of Processing
Termination?
yes
no
Move by MFP
→ Update densities
→ Log to file
Wallhit?
yes
no
Do Interaction
→ Update densities
→ Update queue
Loss Channel?
yes
no