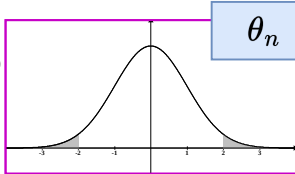


*sample inside
surrogate
region*



your programs here

Geant4
Simulation

θ'_n

Sim

θ''_n

...

Sim

$\theta_n^{(m)}$

Reconstruction

Surrogate

fast gradients

θ_{new}

\mathcal{L}'

Optimizer

θ_{n+1}

θ_n