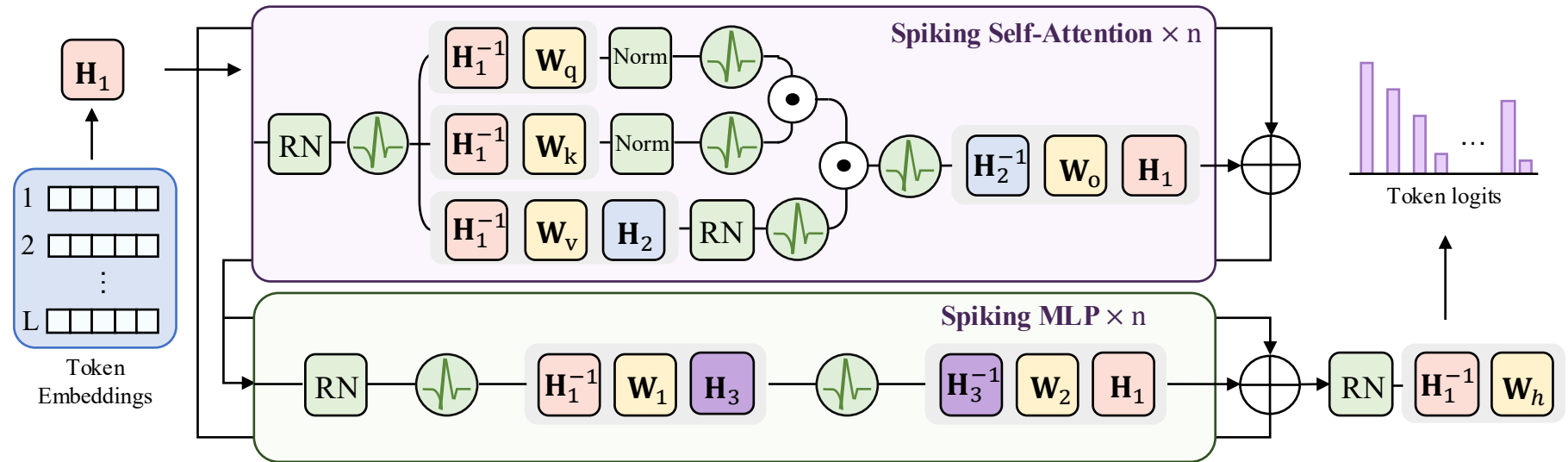
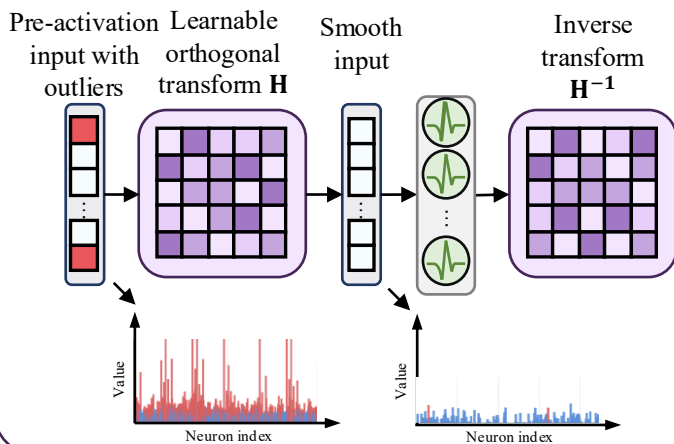


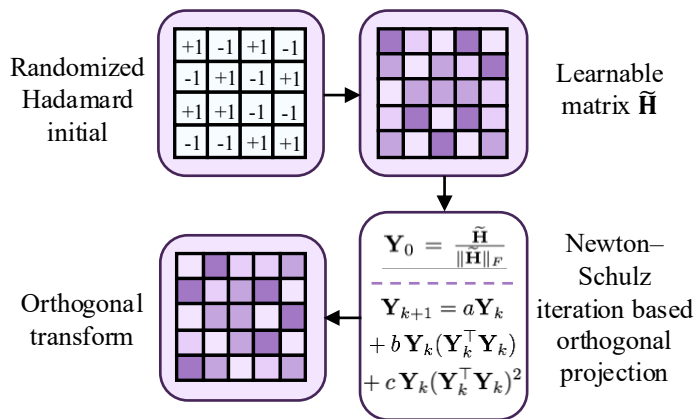
Overall SmoothSpike Workflow



SmoothSpike Smoothing Mechanism

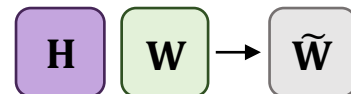


Learnable Orthogonal Projection

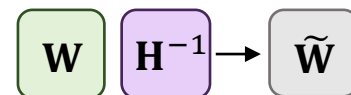


Weight Fusion

(a) Fuse on the left: $HW \rightarrow \tilde{W}$



(b) Fuse on the right: $WH^{-1} \rightarrow \tilde{W}$



No extra computation;
Preserving spike-driven computation