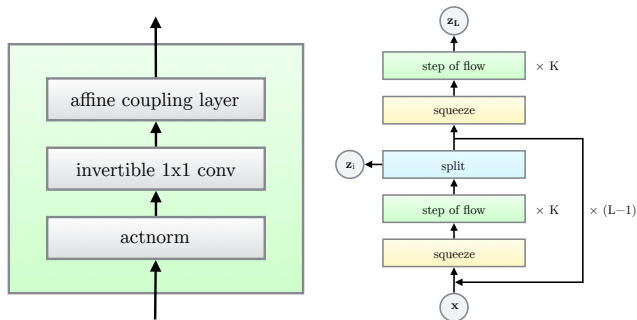


Glow



- convolutional subnet $\rightarrow$ less parameters (400k vs 14.5m parameters per flow)
- coupling block $\rightarrow$ faster

Timing

Simulator	Hardware	Batch size	time [ms]		Speedup
GEANT4	CPU	1	4081.53	± 169.92	$\times 1.0$
BIB-AE	CPU	1	102.25	± 0.64	$\times 40.0$
		10	37.81	± 0.13	$\times 108.0$
		100	48.51	± 0.01	$\times 84.1$
		1000	48.19	± 0.01	$\times 84.7$
GLOW	CPU	1	1746.61	± 64.50	$\times 2.3$
		10	392.61	± 0.34	$\times 10.4$
		100	228.86	± 7.09	$\times 17.8$
		1000	275.55	± 3.01	$\times 14.8$

Photons

