Comparison of direct emission scheme protocols for hardware sets at  $\alpha = 0.05$ , T = 10,  $p_q = 0.0005$ .  $10^{-1}$ **GHZ state Infidelity** Raw GHZ DC GHZ→GHZ DC W→W Raw GHZ (PNR) DC GHZ→GHZ (PNR) DC W→W (PNR) Distill GHZ→GHZ Distill W→GHZ Distill SC-Bell→GHZ Distill DC-Bell→GHZ Distill W→W Distill GHZ→GHZ (PNR) Distill W→GHZ (PNR) → Distill SC-Bell→GHZ (PNR) Distill DC-Bell→GHZ (PNR) Distill W→W (PNR) ES-1 ES-2 ES-3 ES-4 ES-5 ES-6 ES-7 ES-8 ES-9 ES-10 ES-11 ES-12 ES-13 ES-14 ES-15 ES-16 **Emission parameter sets**