$\label{eq:code2d} \begin{array}{l} \mbox{ToricCode2d h=(0.0, 0.4, 0.0): size=[3 \ 3], ToricCRBM\_2, alpha=1, \#p=157, lr from 0.01 to 0.001} \\ & n\_discard=24, n\_chains=256, n\_samples=16384 \\ & pre\_init=False, stddev=0.01, trans\_dev=0, swipe=independent \\ \end{array}$ 

 $E0 = -18.35155 + -0.0 \text{ using SR with diag\_shift} = 0.0001 \text{ down to } 1e-05, \text{max\_prob} = (0.0009630622495205106+0j)$ 

