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

 $E0 = -19.23858 + -0.0 \text{ using SR with diag\_shift} = 0.0001 \text{ down to 1e-05, } \max\_\text{prob} = (0.000497257667447677 + 0j)$ 

