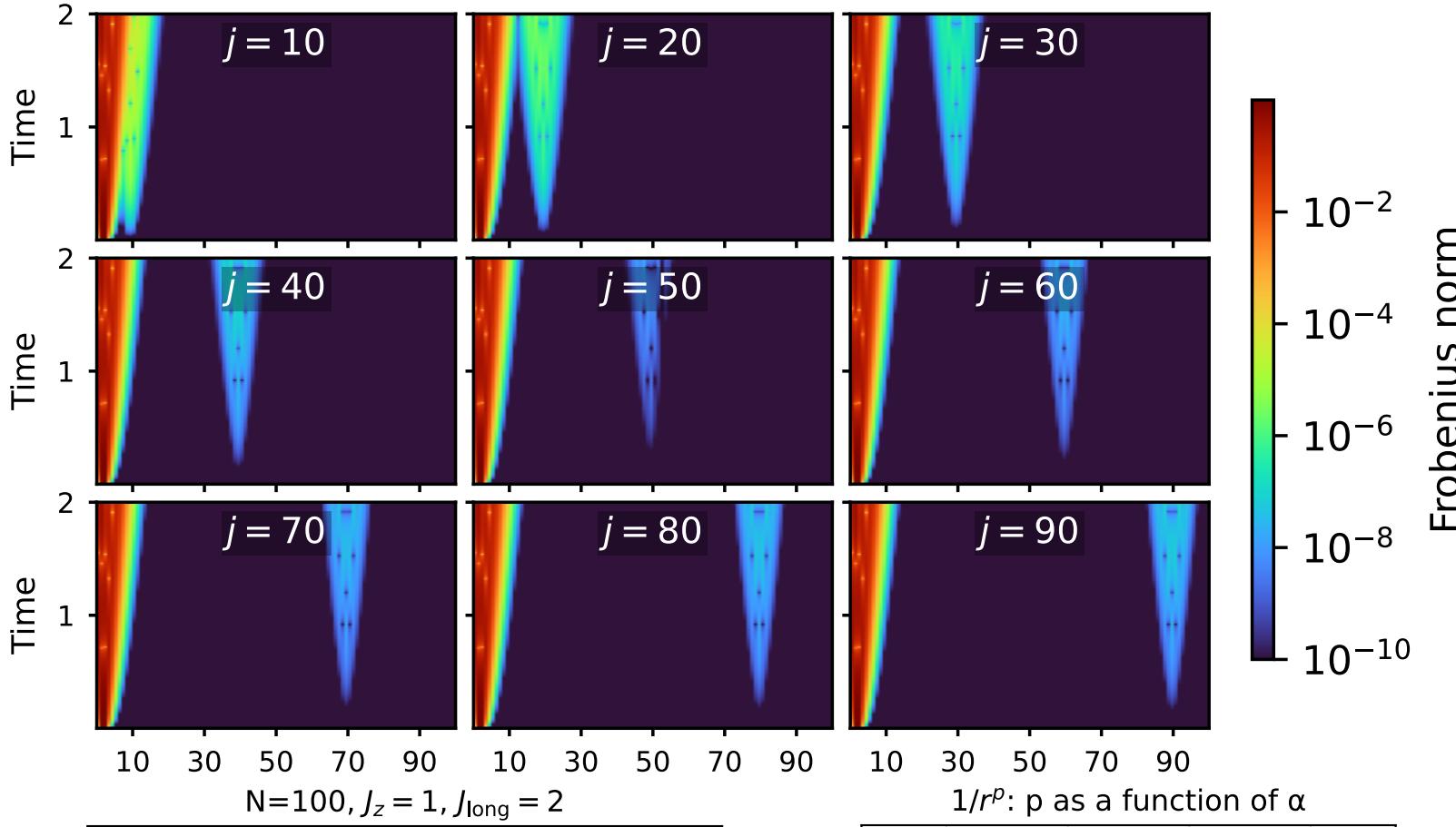


OBC:  $N=100, J_z = 1, J_{\text{long}} = 2, \alpha = 0.5$



$N=100, J_z = 1, J_{\text{long}} = 2$

