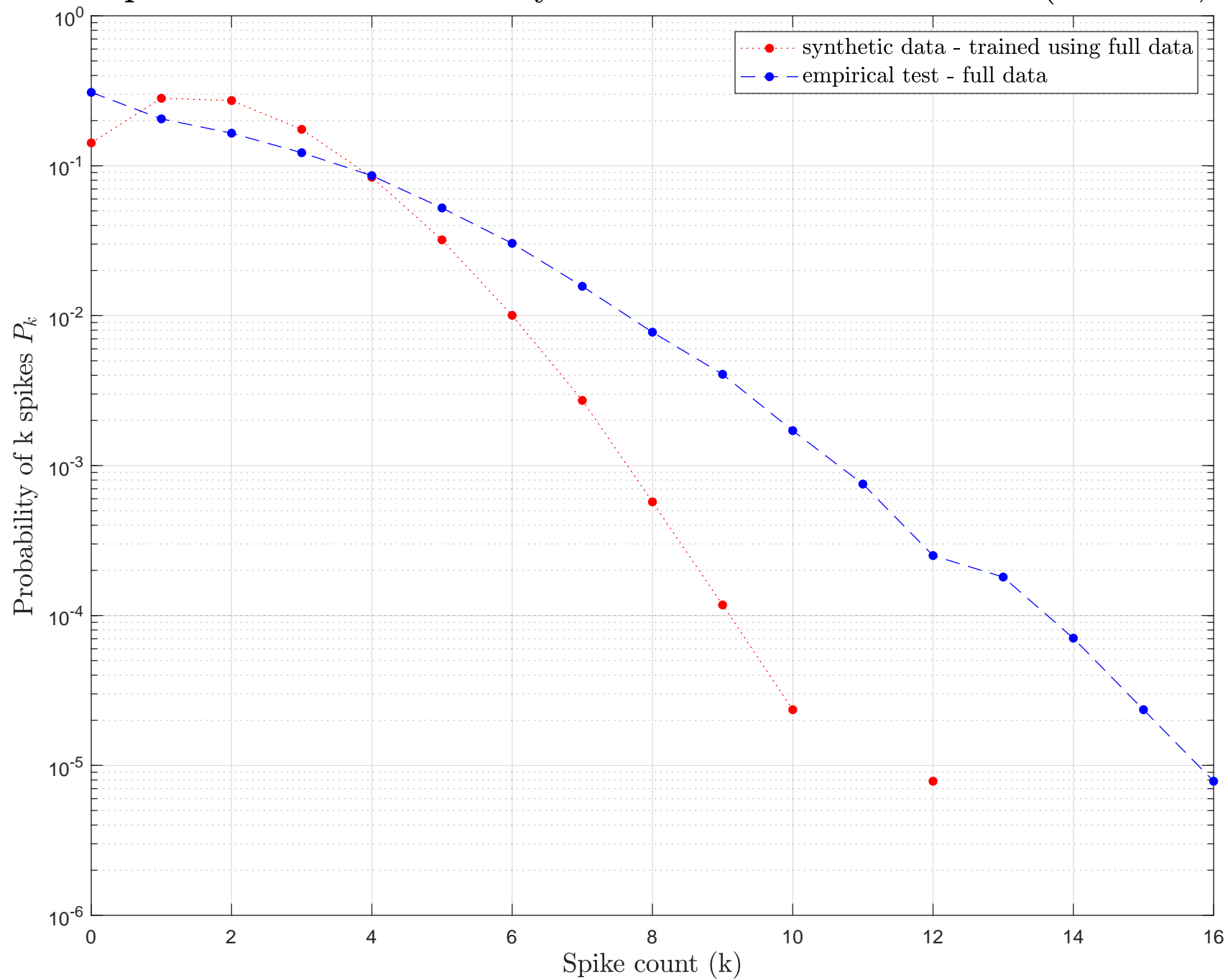
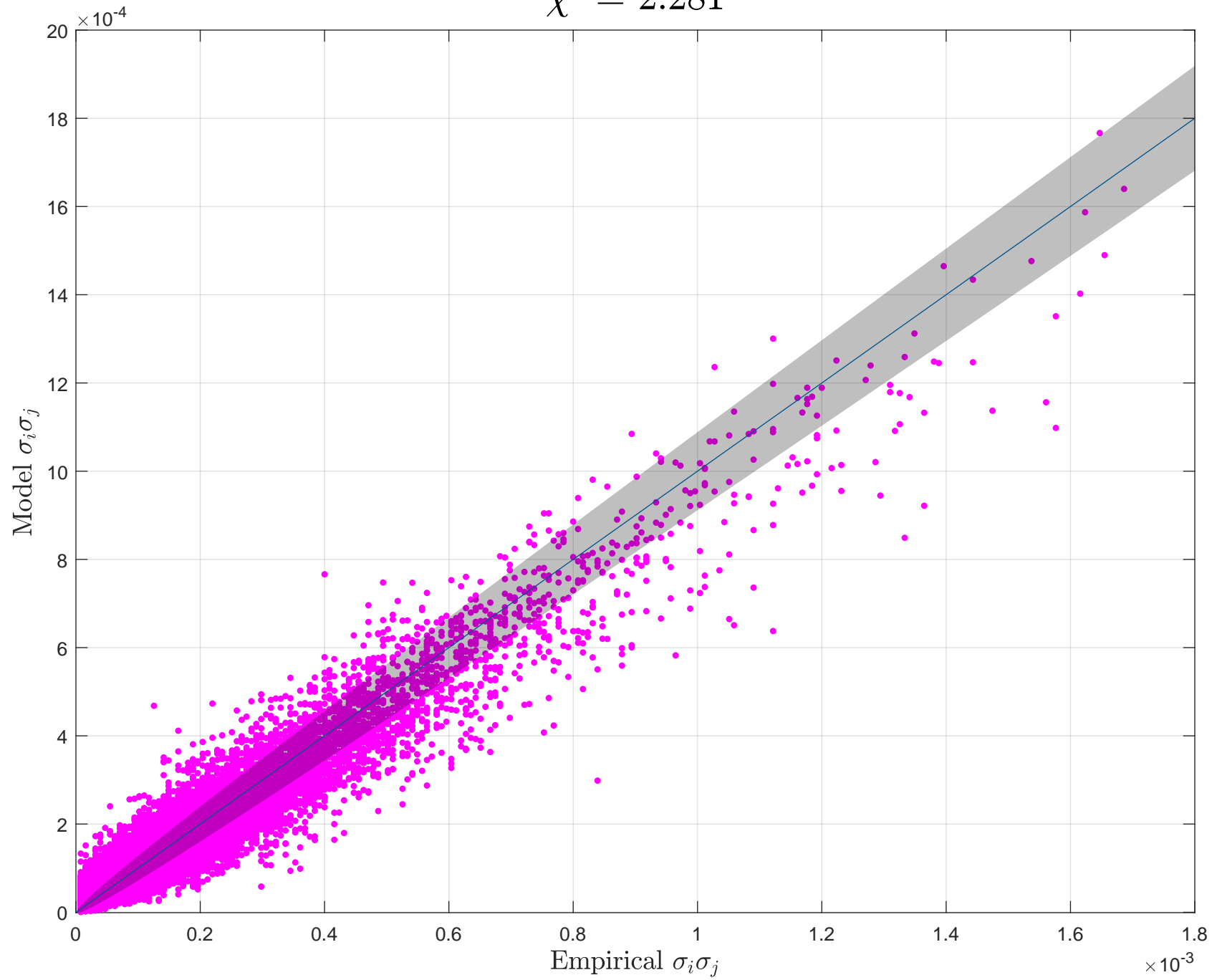


Population spike count distribution synthetic data vs test data set (200 cells, 35 modes)

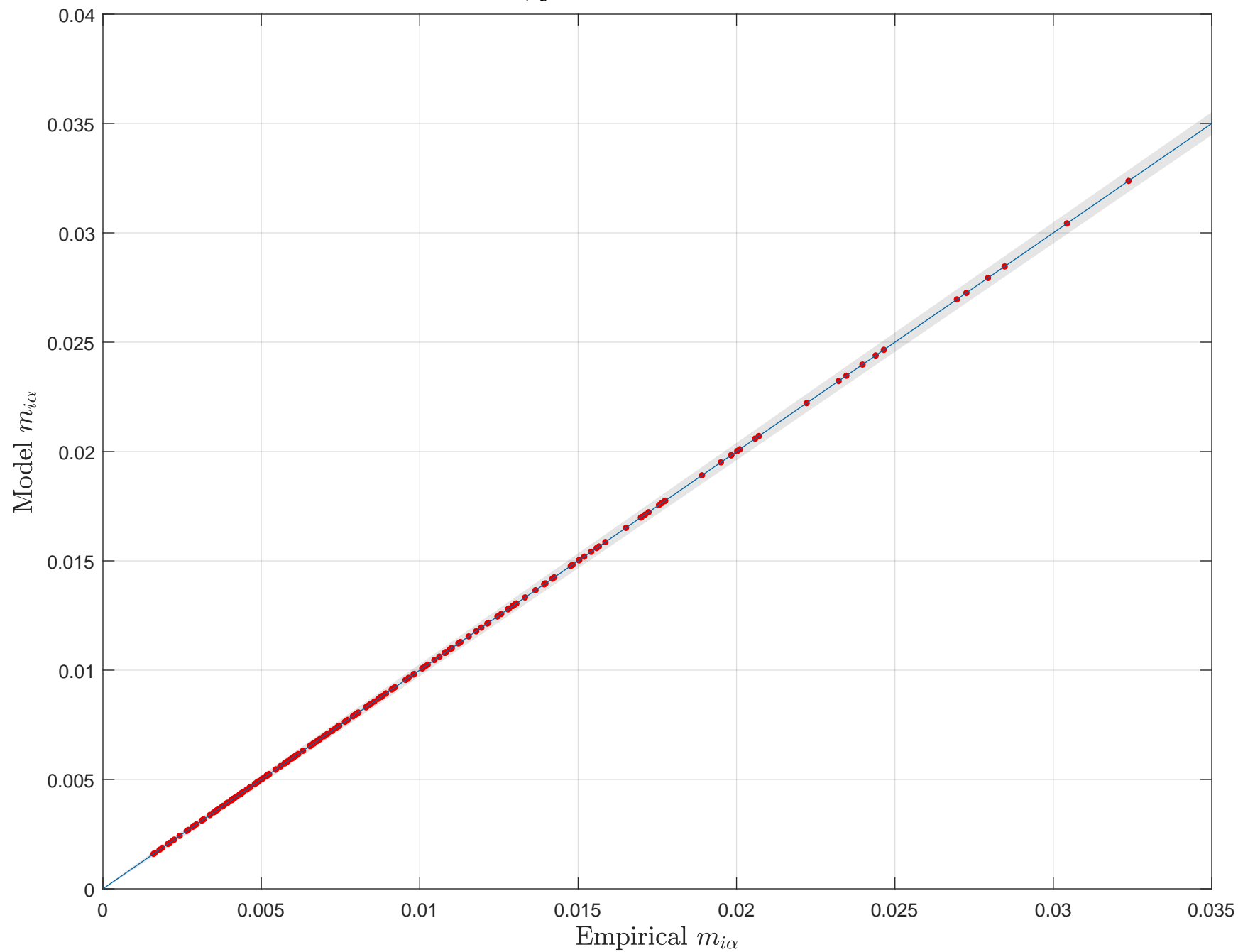


Comparison of model to empirical second moments (200 cells, 35 modes) $\sigma_i \sigma_j$
 $\chi^2 = 2.281$



Comparison of model to empirical first moments (200 cells, 35 modes) σ_i

$$\chi^2 = 7.5656\text{e-}08$$



Comparison of model probabilities to empirical probabilities
for each unique population response (200 cells, 35 modes)
 $\chi^2 = 1.1236$

