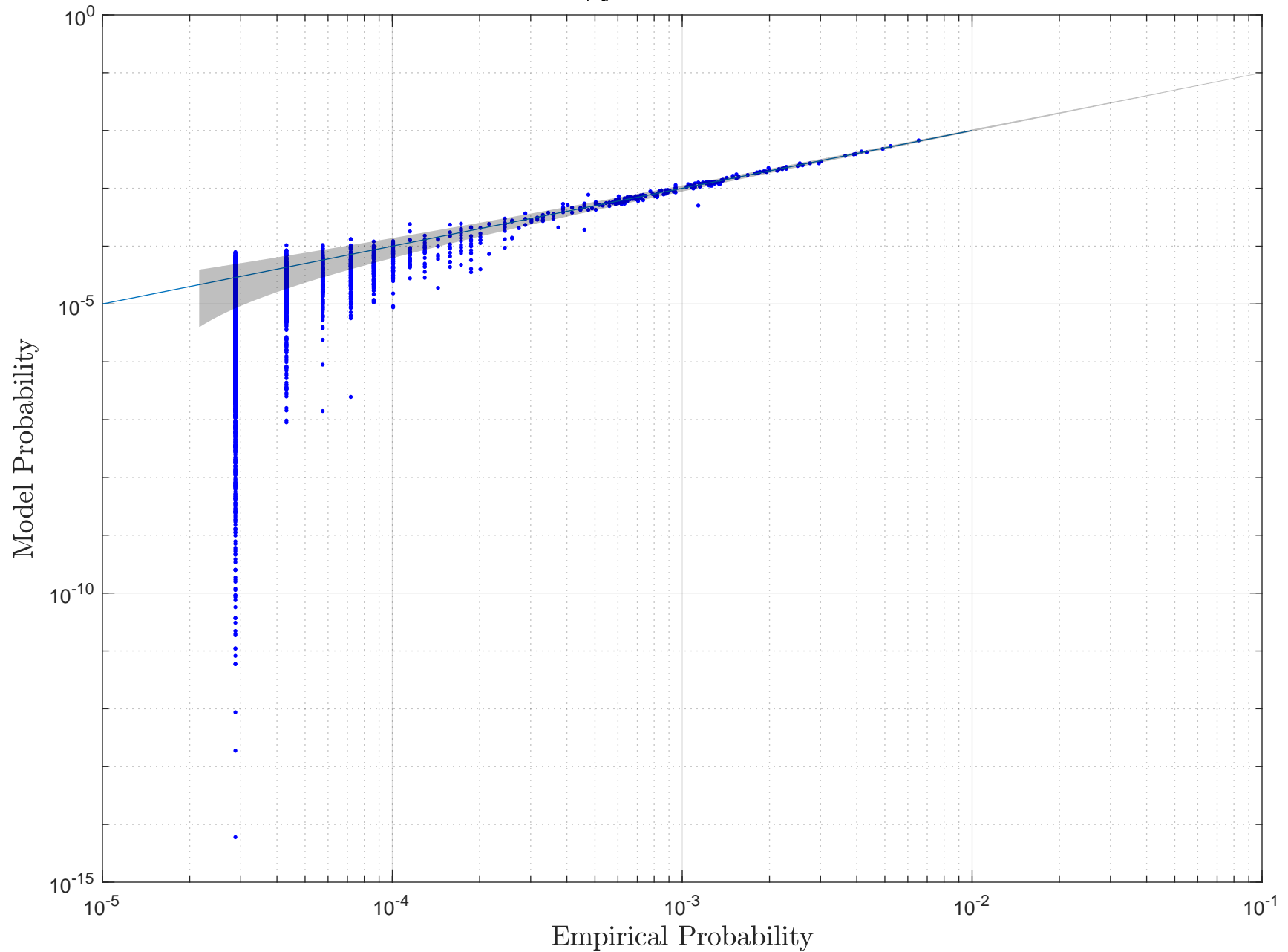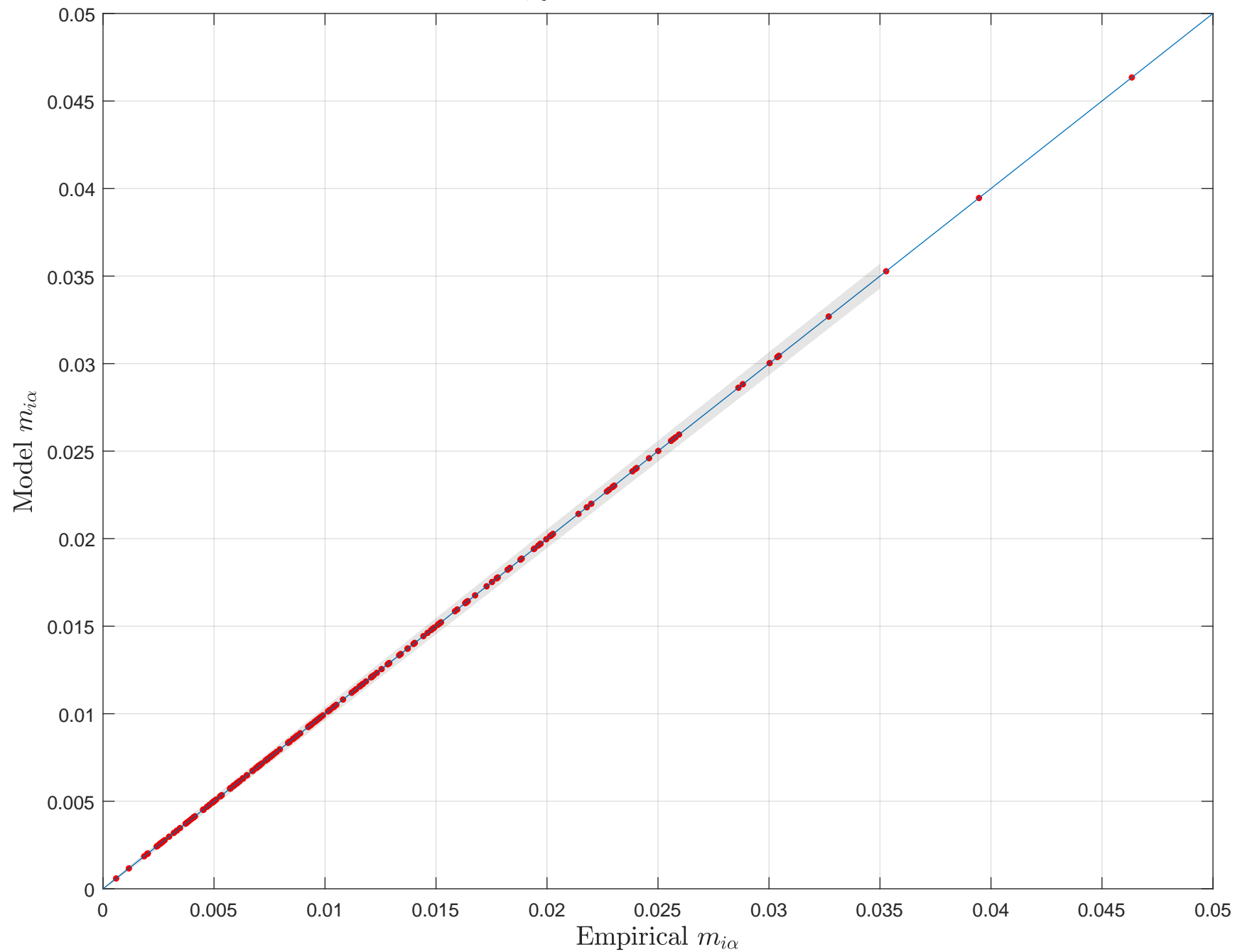Comparison of model probabilities to empirical probabilites (first half trials) for each unique population response (200 cells, 35 modes)
$\chi^2 = 1.1569$

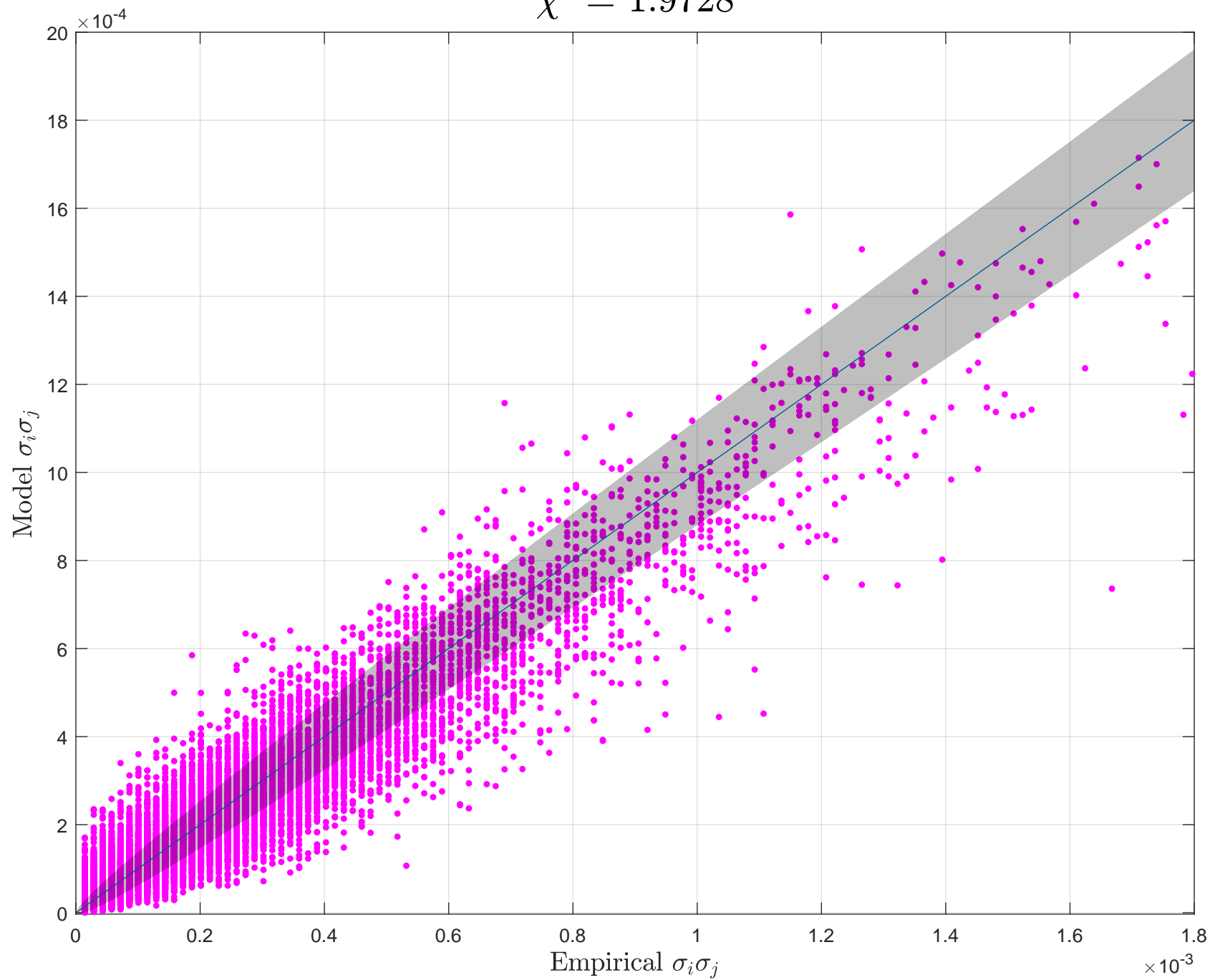Comparison of model to empirical first moments (200 cells, 35 modes) (first half trials)
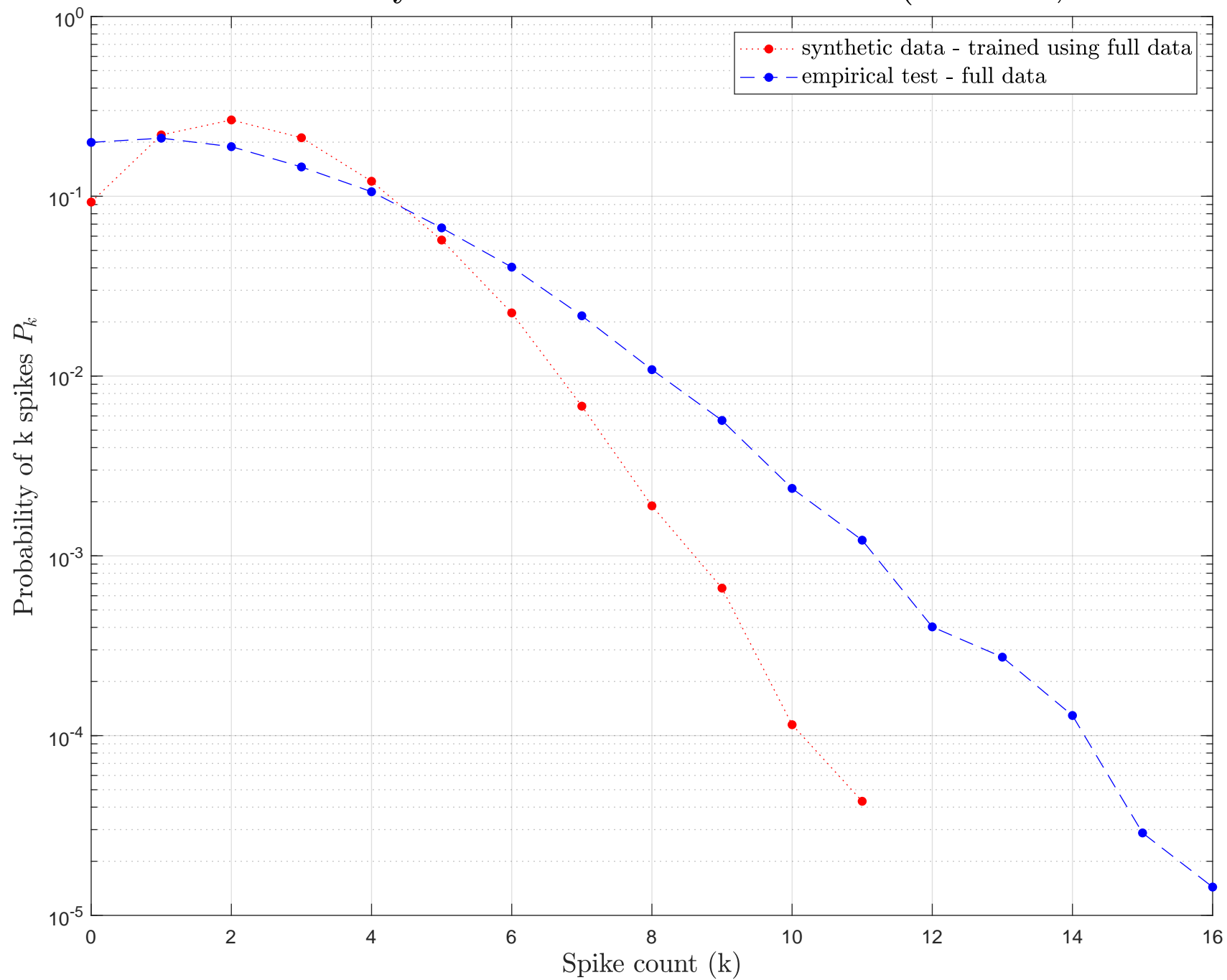$\chi^2 = 1.6975\text{e-}07$

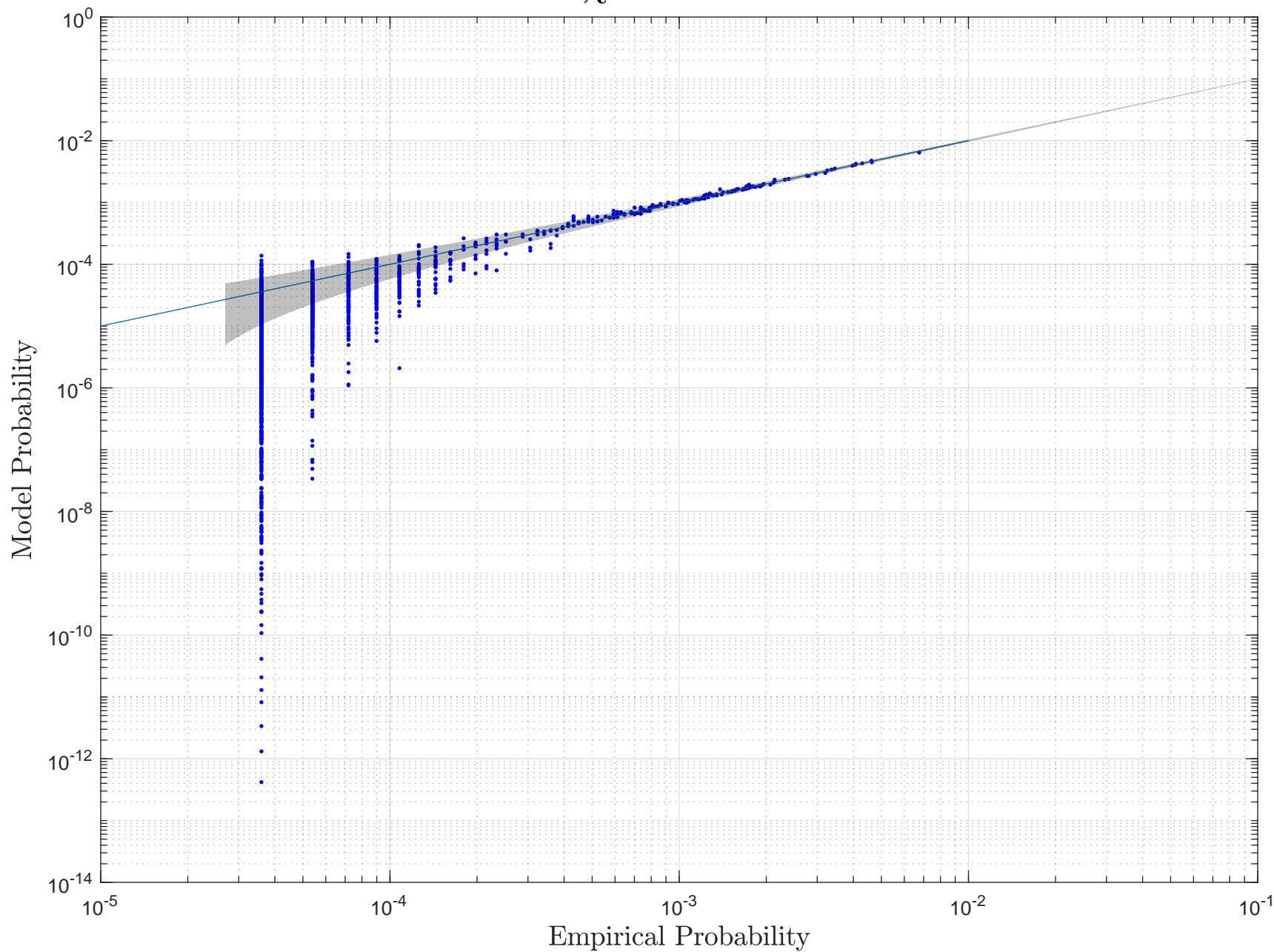Comparison of model to empirical second moments (200 cells, 35 modes) (first half trials)
$\chi^2 = 1.9728$

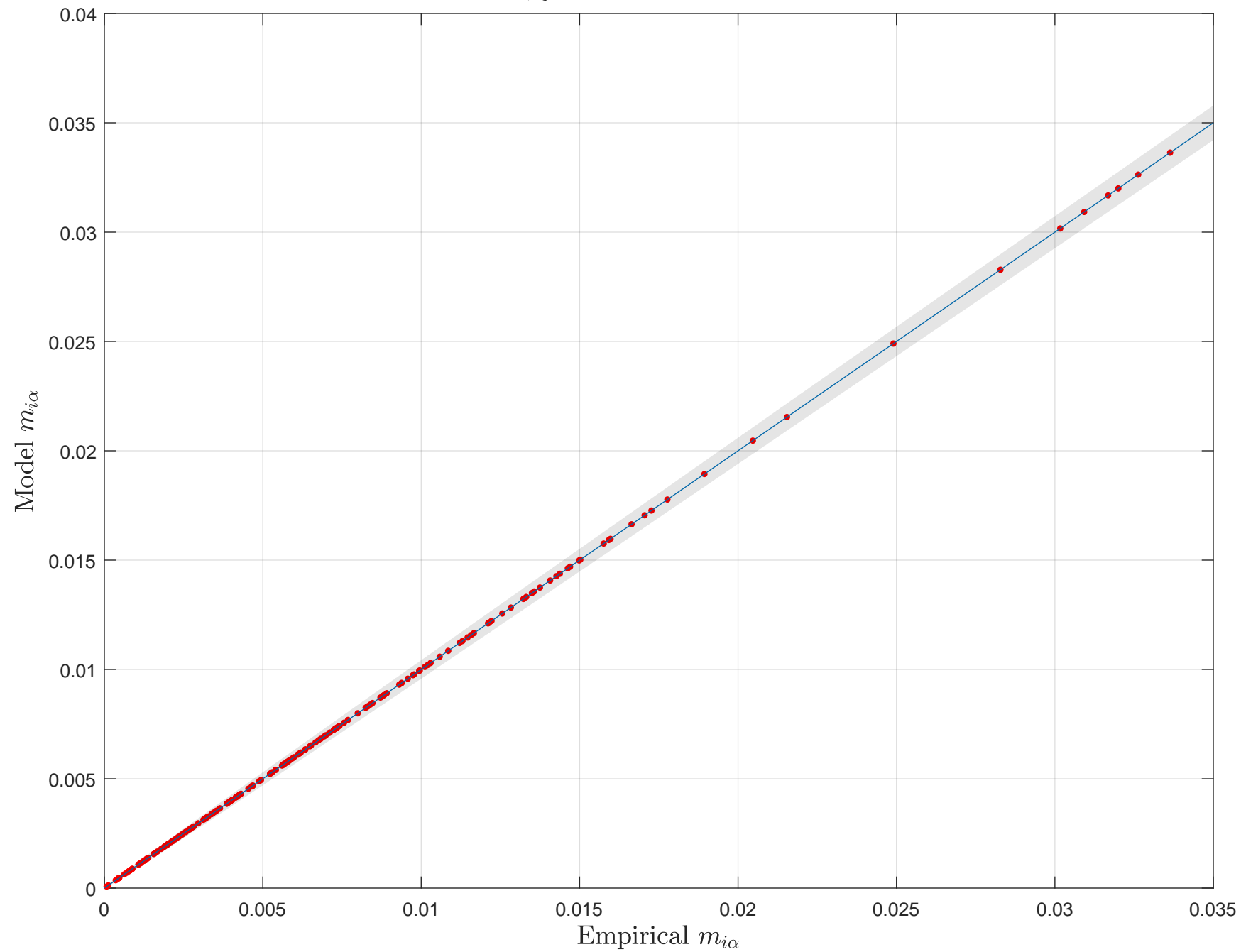Population spike count distribution synthetic data vs test data set (200 cells, 35 modes) (first half)

Comparison of model probabilities to empirical probabilites (second half trials) for each unique population response (200 cells, 35 modes)
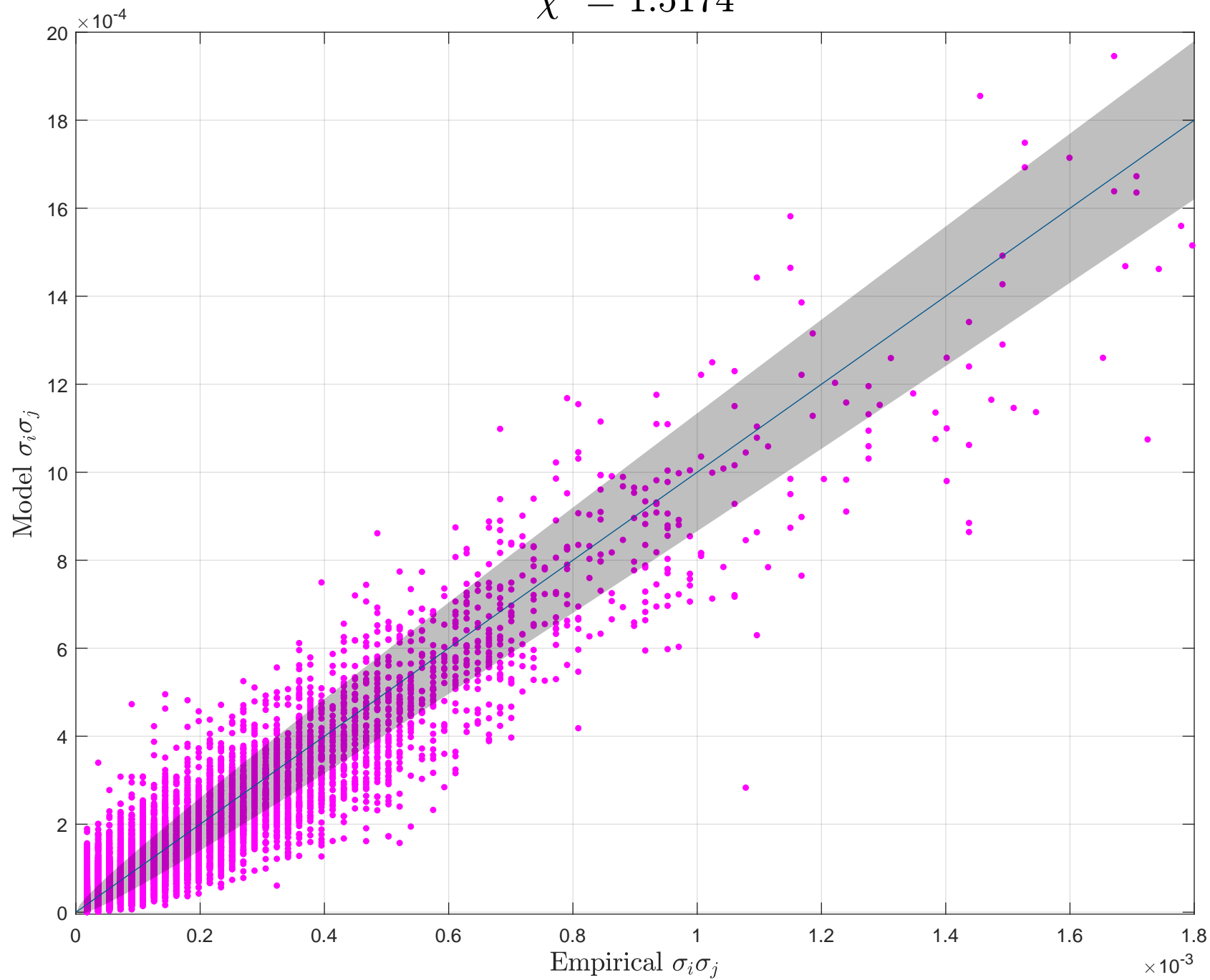$\chi^2 = 1.1328$

Comparison of model to empirical first moments (200 cells, 35 modes) (second half trials)
$\chi^2 = 1.3083\text{e-}07$

Empirical $m_{i\alpha}$

Model $m_{i\alpha}$

Comparison of model to empirical second moments (200 cells, 35 modes) (second half trials)
$\chi^2 = 1.5174$

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