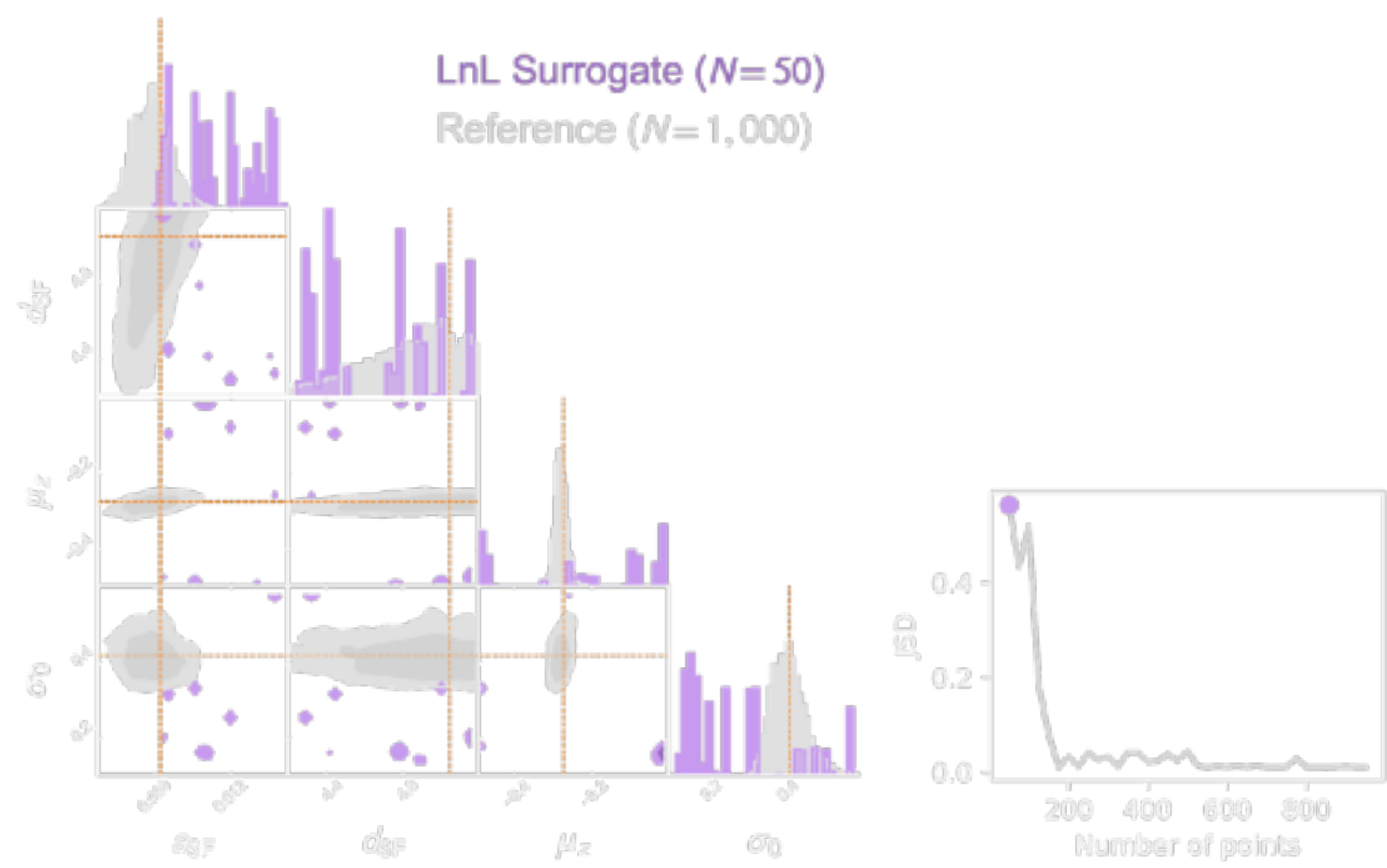
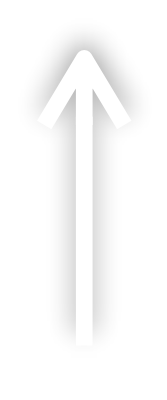

LnL Surrogate (N = 50)
Reference (N = 1,000)
s_{SF}
d_{SF}
μ_z
σ_0
0.4
0.2
0.0
ISD
200
400
600
800
Number of points

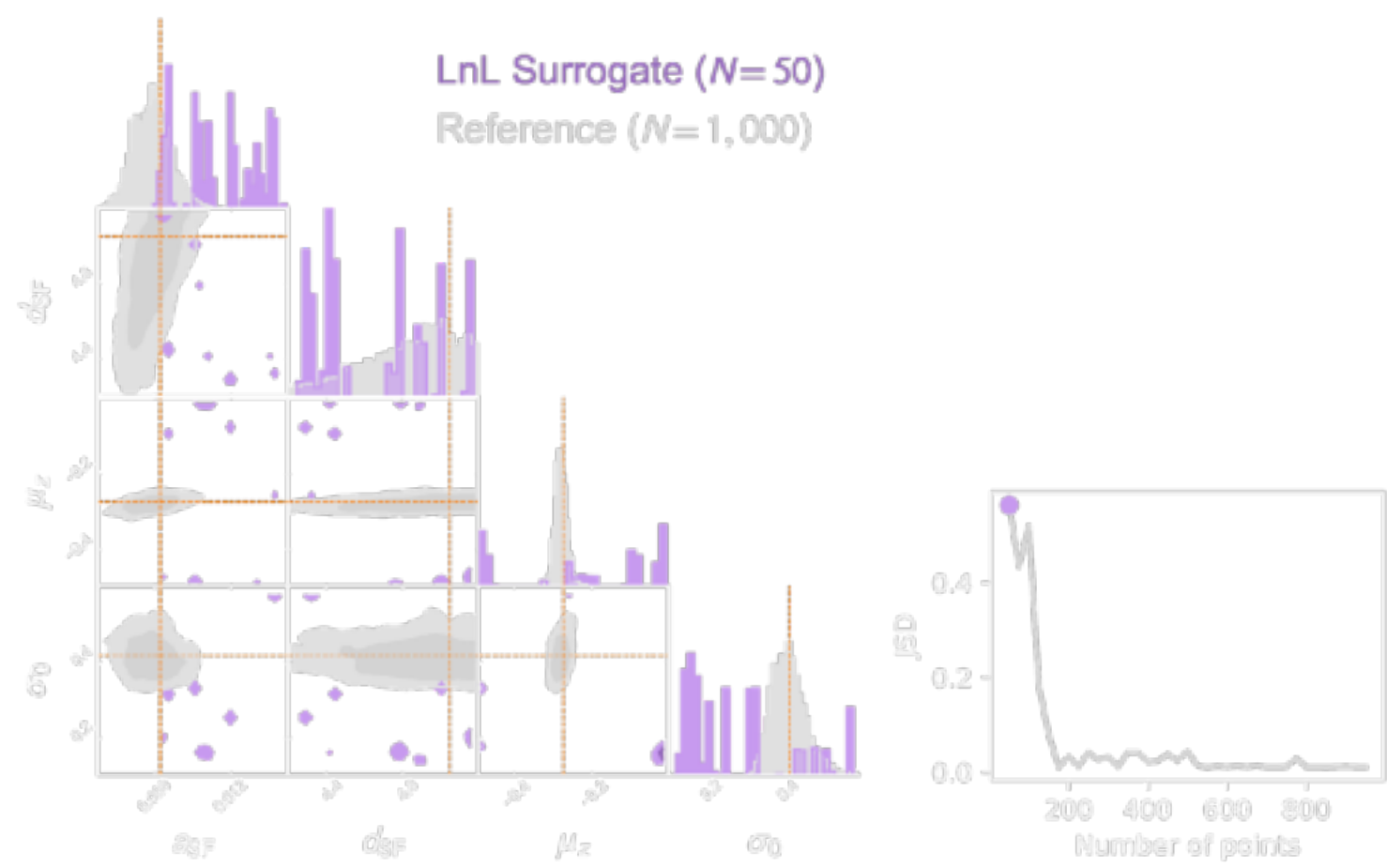
Active learning for the surrogate Likelihood

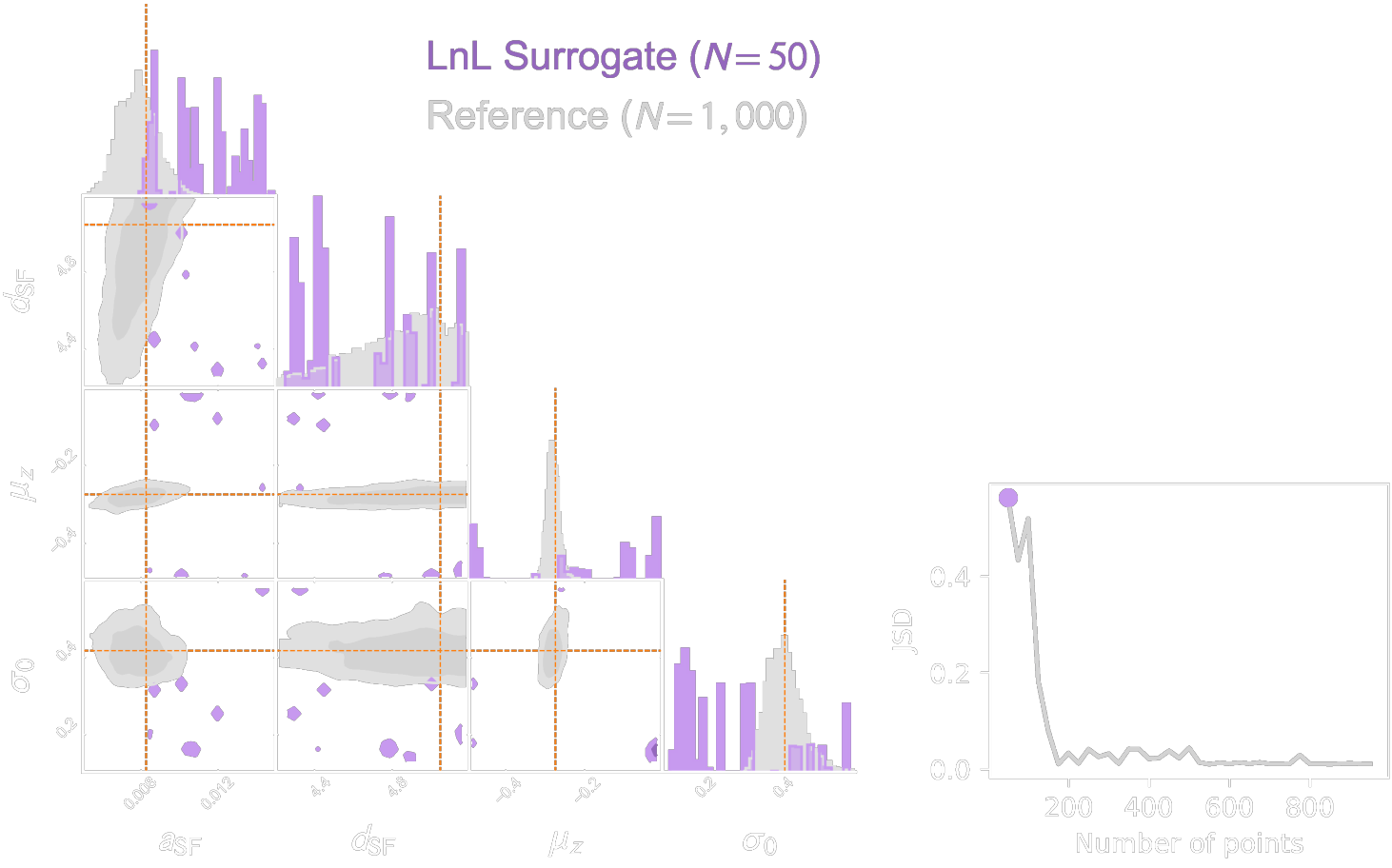
Train

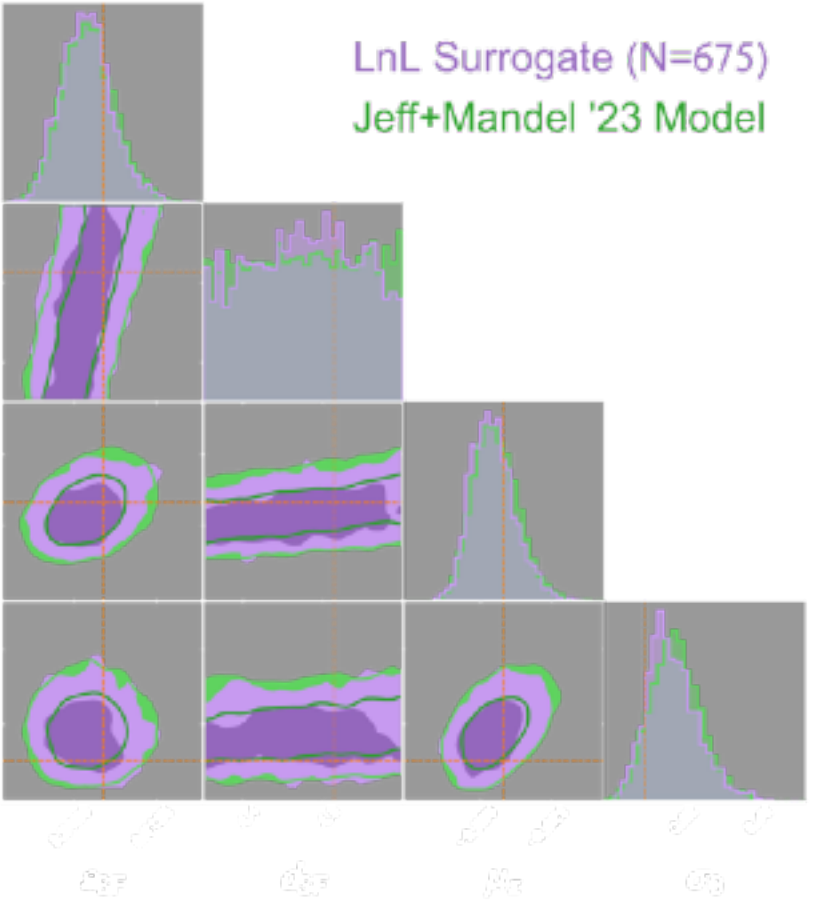
$$L_{\text{surr}} \sim \mathcal{N}(\mu_{\text{GP}}, \sigma^2_{\text{GP}})$$

MCMC




LnL Surrogate (N = 50)
Reference (N = 1,000)
s_{SF}
d_{SF}
μ_z
σ_0
0.4
0.2
0.0
ISD
200
400
600
800
Number of points


LnL Surrogate ($N = 50$)
Reference ($N = 1,000$)
a_{SF}
d_{SF}
μ_z
σ_0
0.008
0.012
4.4
4.8
−0.4
−0.2
0.2
0.4
JSD
0.0
0.2
0.4
200
400
600
800
Number of points


LnL Surrogate (N=675)
Jeff+Mandel '23 Model

MCMC