QMD Analysis [Jul_05/16_40]

results_directory : /panfs/panasas01/phys/bf16951/QMD/ParallelDevelopment/Results/Jul_05/16_40

output_file_name : analysis.pdf

num_experiments : 750

num_particles : 2500

num_times_bayes : 750

num_probes : 40

probe_noise_level : 0.001

special_probe_for_learning : dec_13_exp

growth_generation_rule : two_qubit_ising_rotation_hyperfine_transverse

run_description : exp-paper__experimental-data

git_commit_hash : 54b1cf14f77e235d3bd304f7121265827a8f0760

num_tests : 115

resample_threshold : 0.5

resample_a : 0.98

pgh_factor : 1.0

qhl_test : 0

multiQHL : 0

cumulative_csv :

/panfs/panasas01/phys/bf16951/QMD/ParallelDevelopment/Results/Jul_05/16_40/cumulative.csv

experimental_data : 1

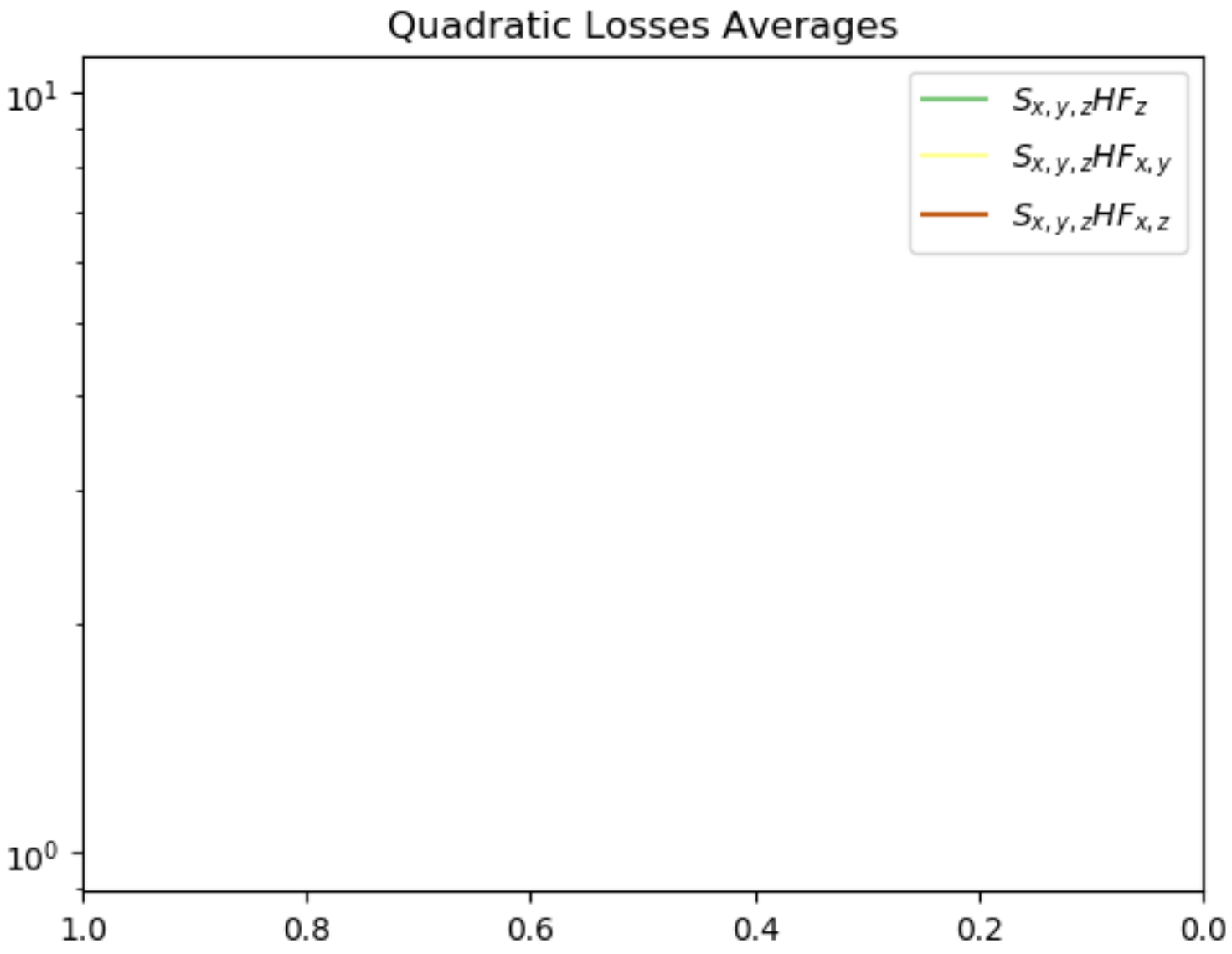
expectation_value_func : hahn_evolution

heuristic : one_over_sigma_then_linspace

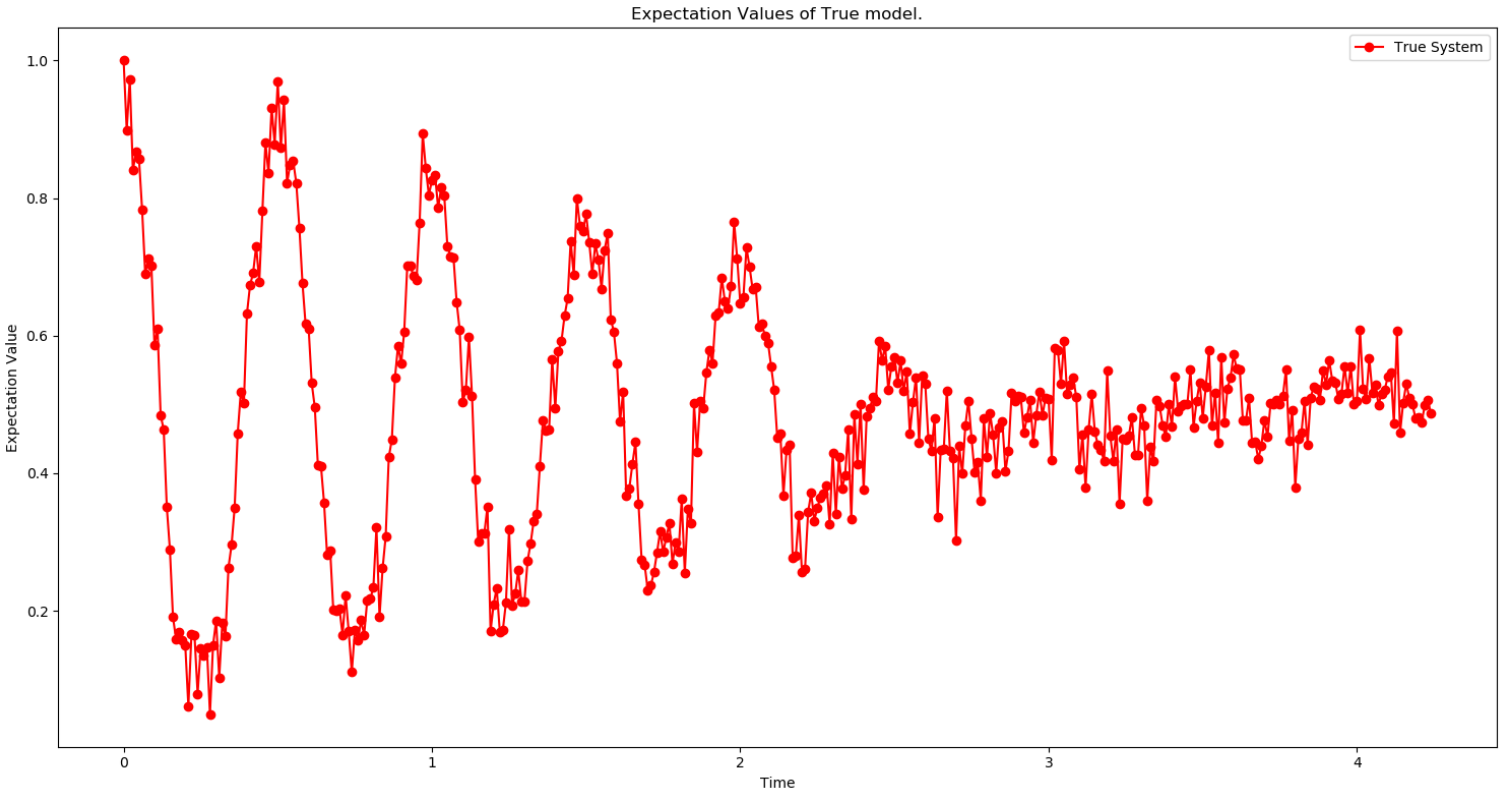
probe_generation_function : NV_centre_ising_probes_plus

plot_probe_generation_function : plus_probes_dict

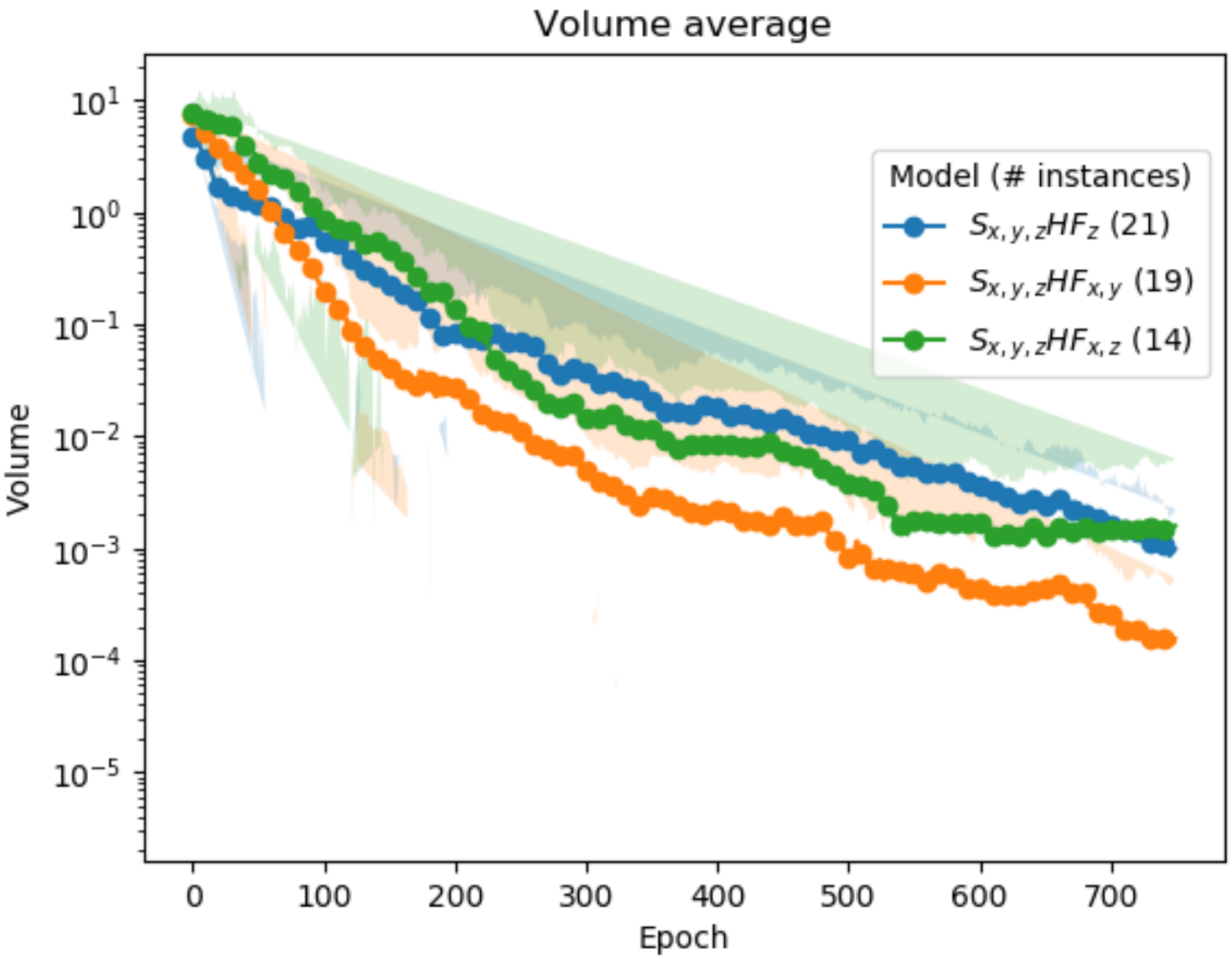
QMD Analysis [Jul_05/16_40]



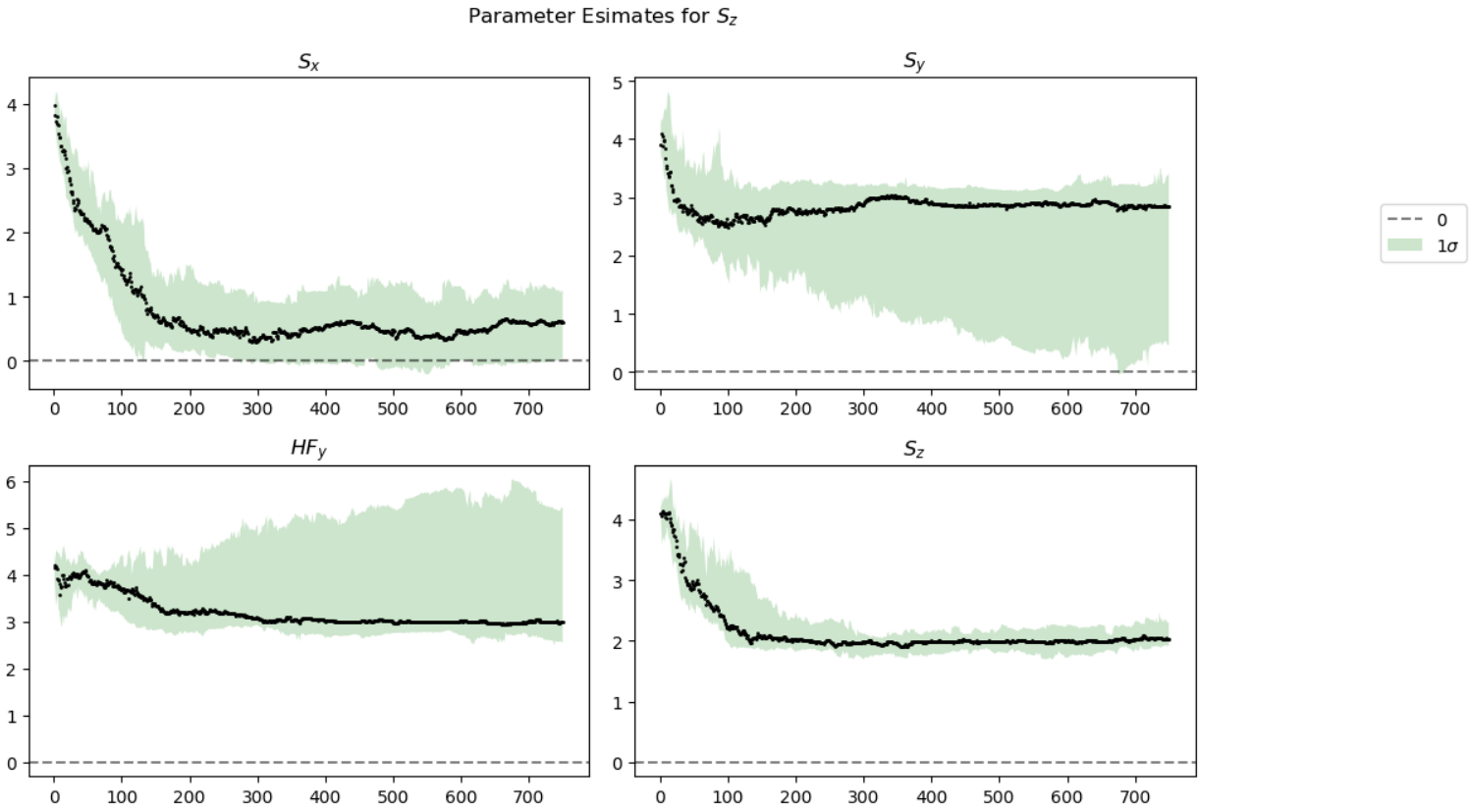
QMD Analysis [Jul_05/16_40]



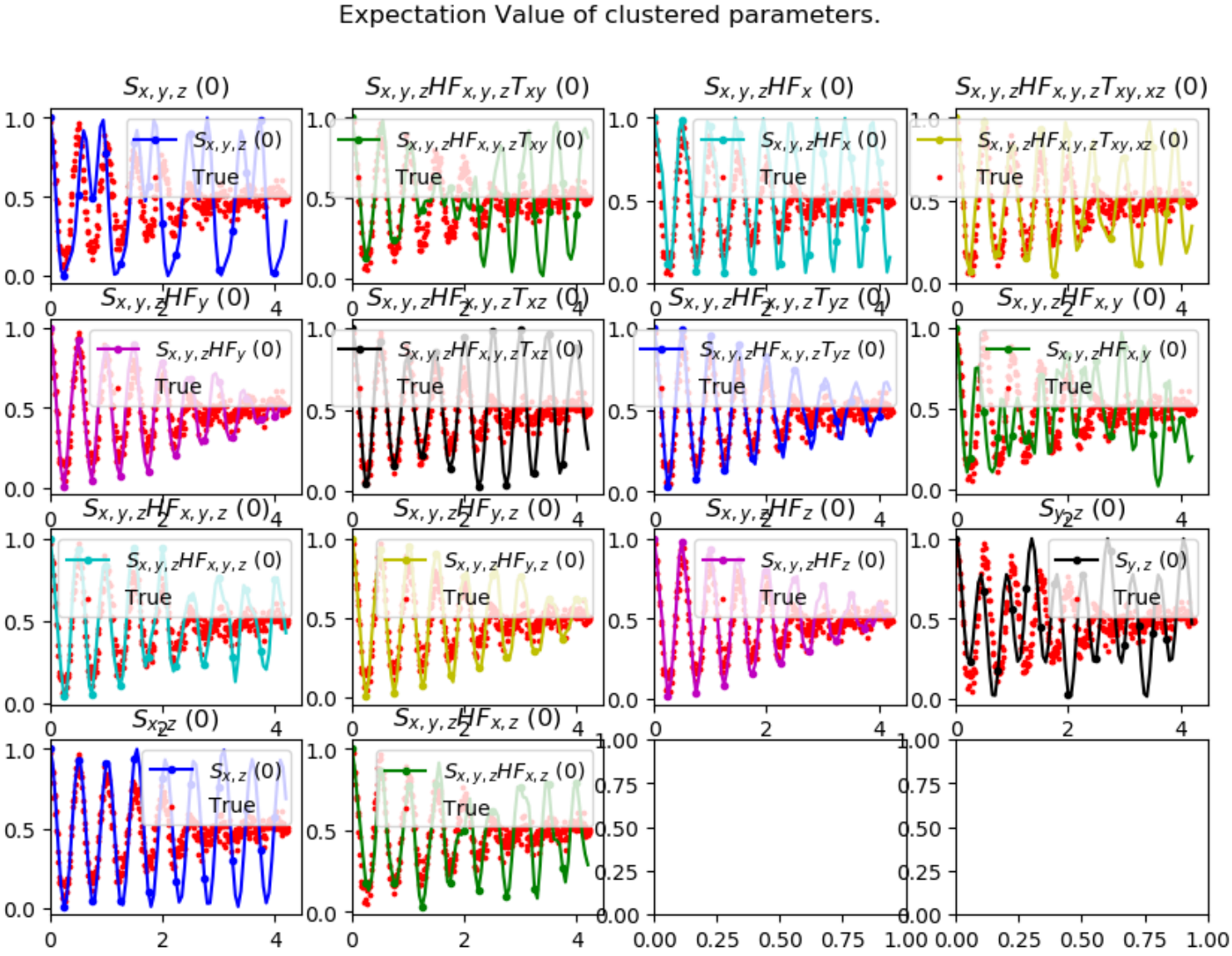
QMD Analysis [Jul_05/16_40]



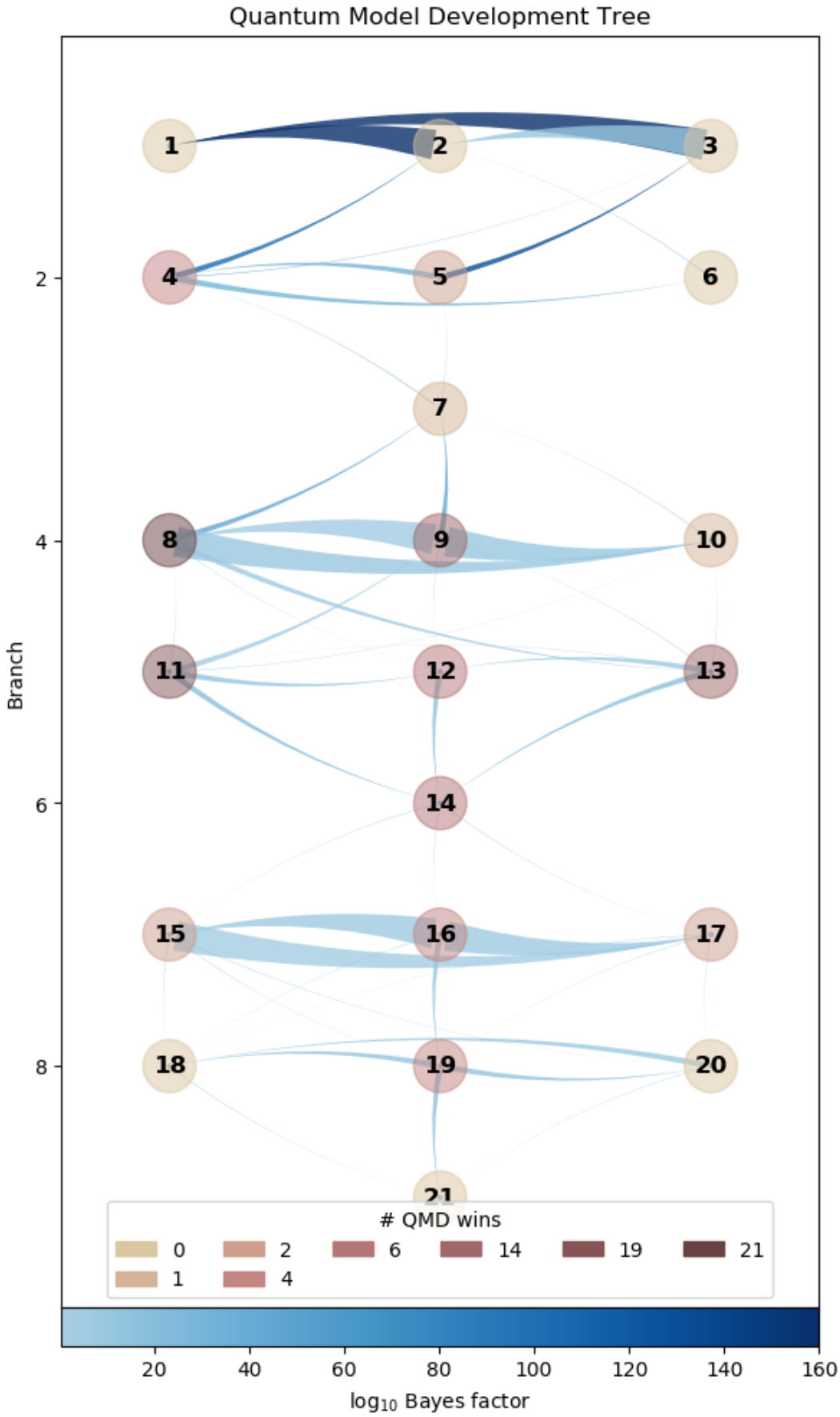
QMD Analysis [Jul_05/16_40]



QMD Analysis [Jul_05/16_40]

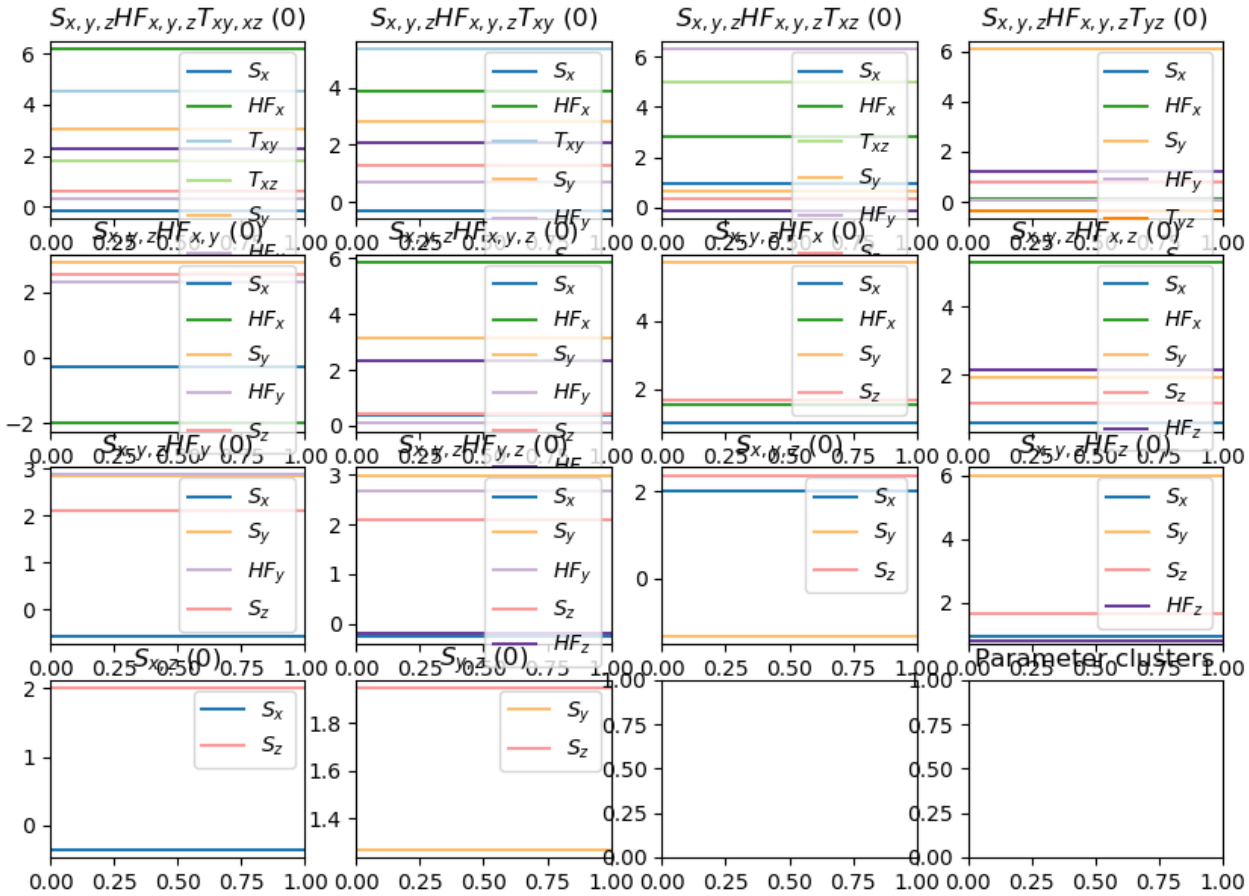


QMD Analysis [Jul_05/16_40]

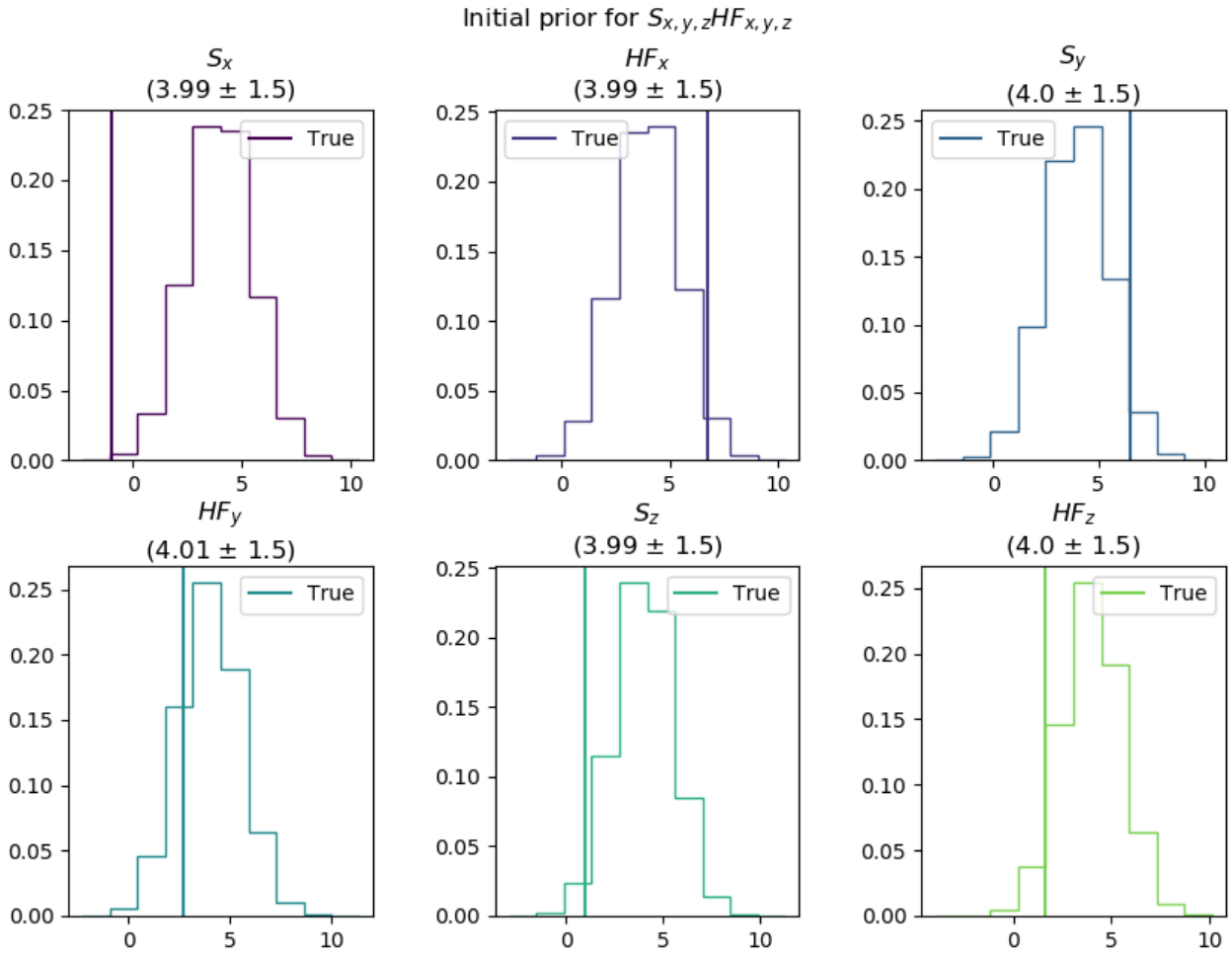


ID	(Wins)	Model
1	(0)	S_x
2	(0)	S_y
3	(0)	S_z
4	(4)	$S_{y,z}$
5	(2)	$S_{x,z}$
6	(0)	$S_{x,y}$
7	(1)	$S_{x,y,z}$
8	(21)	$S_{x,y,z}HF_z$
9	(14)	$S_{x,y,z}HF_y$
10	(1)	$S_{x,y,z}HF_x$
11	(19)	$S_{x,y,z}HF_{x,y}$
12	(6)	$S_{x,y,z}HF_{y,z}$
13	(14)	$S_{x,y,z}HF_{x,z}$
14	(6)	$S_{x,y,z}HF_{x,y,z}$
15	(2)	$S_{x,y,z}HF_{x,y,z}T_{yz}$
16	(4)	$S_{x,y,z}HF_{x,y,z}T_{xy}$
17	(2)	$S_{x,y,z}HF_{x,y,z}T_{xz}$
18	(0)	$S_{x,y,z}HF_{x,y,z}T_{xy,yz}$
19	(4)	$S_{x,y,z}HF_{x,y,z}T_{xy,xz}$
20	(0)	$S_{x,y,z}HF_{x,y,z}T_{xz,yz}$
21	(0)	$S_{x,y,z}HF_{x,y,z}T_{xy,xz,yz}$

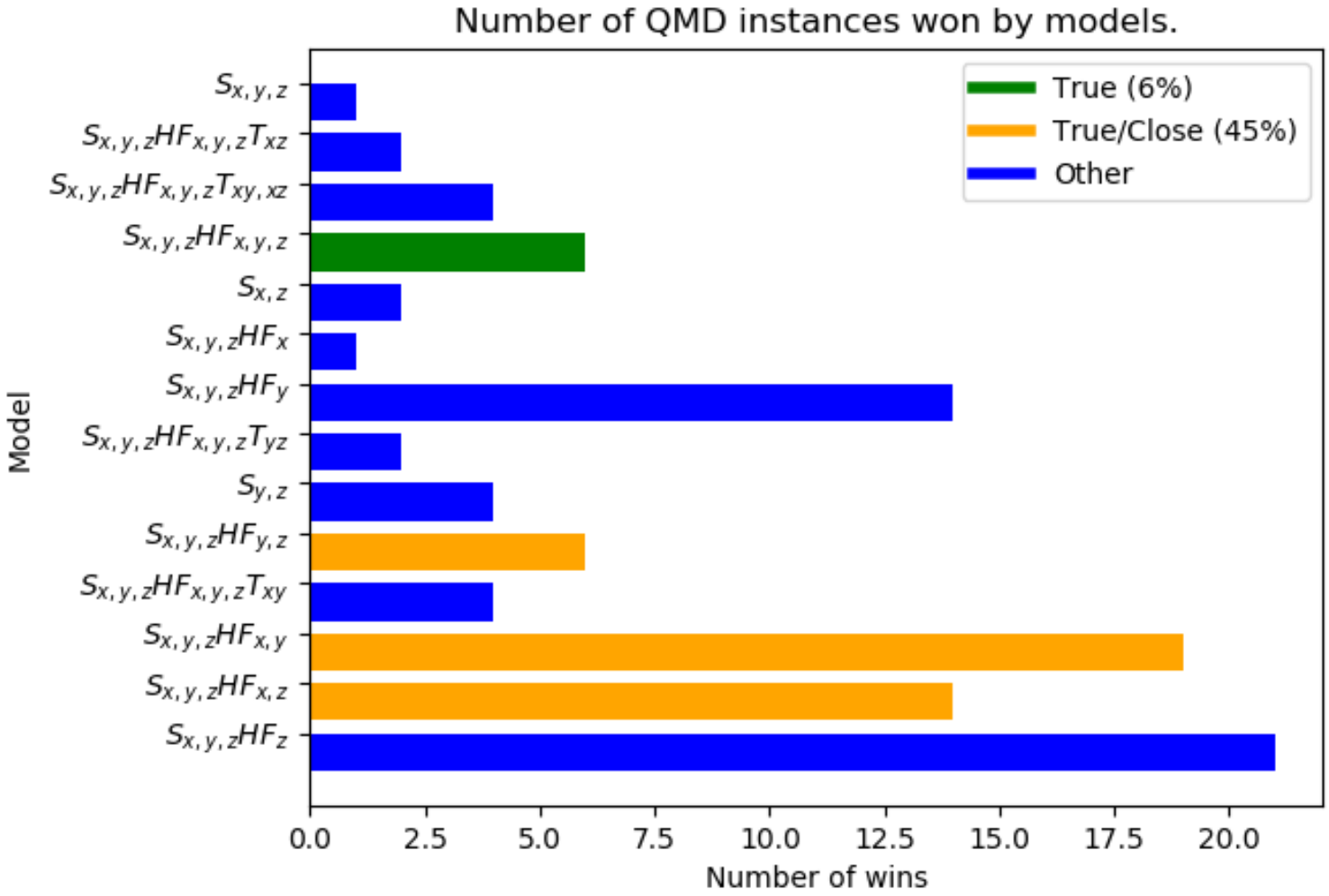
QMD Analysis [Jul_05/16_40]



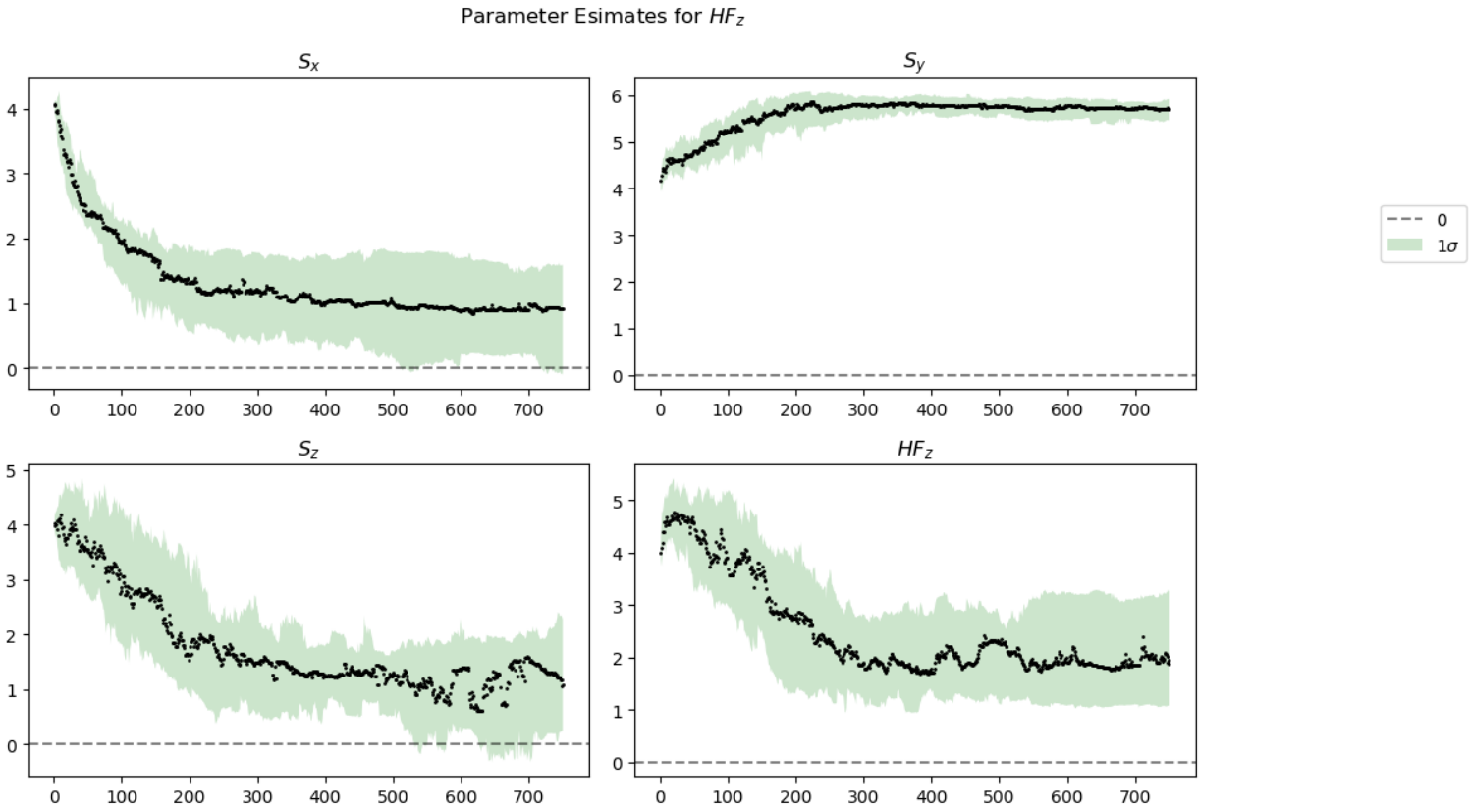
QMD Analysis [Jul_05/16_40]



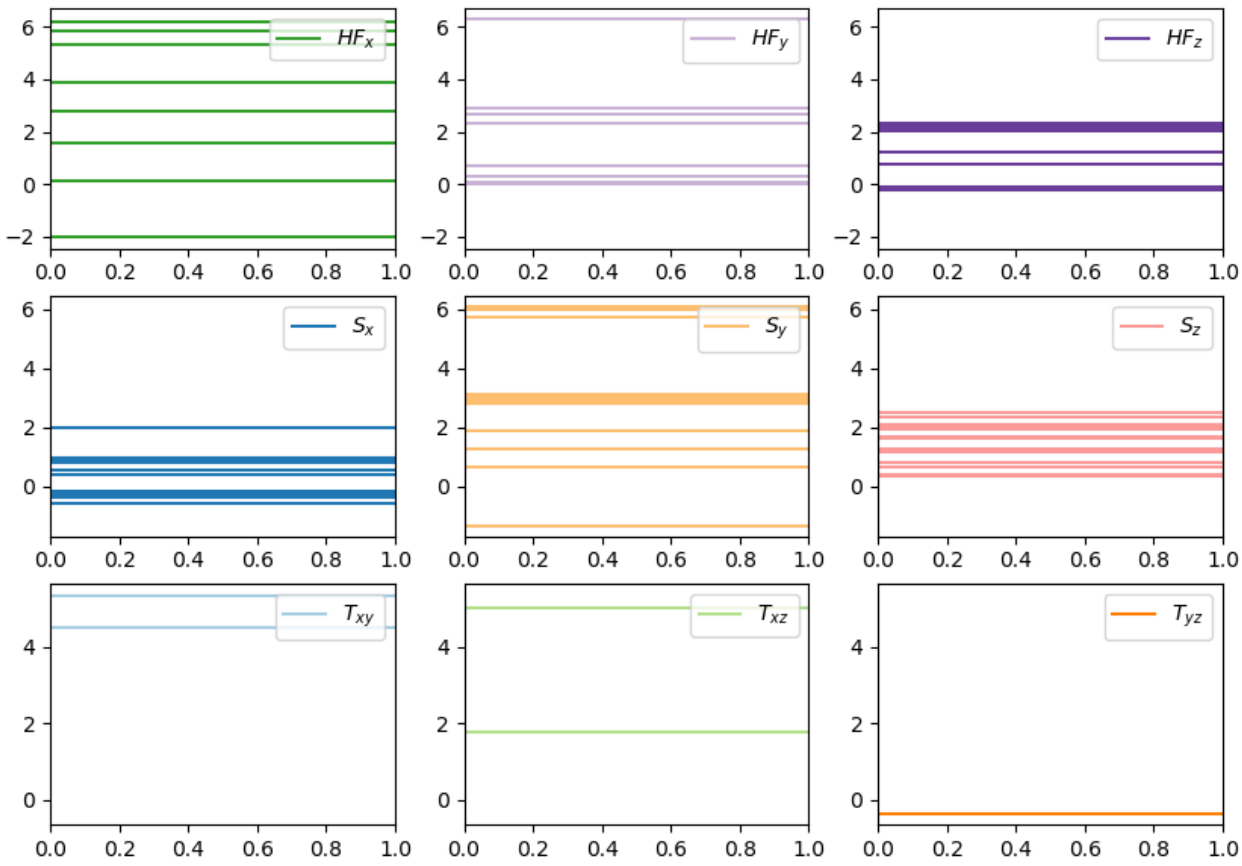
QMD Analysis [Jul_05/16_40]



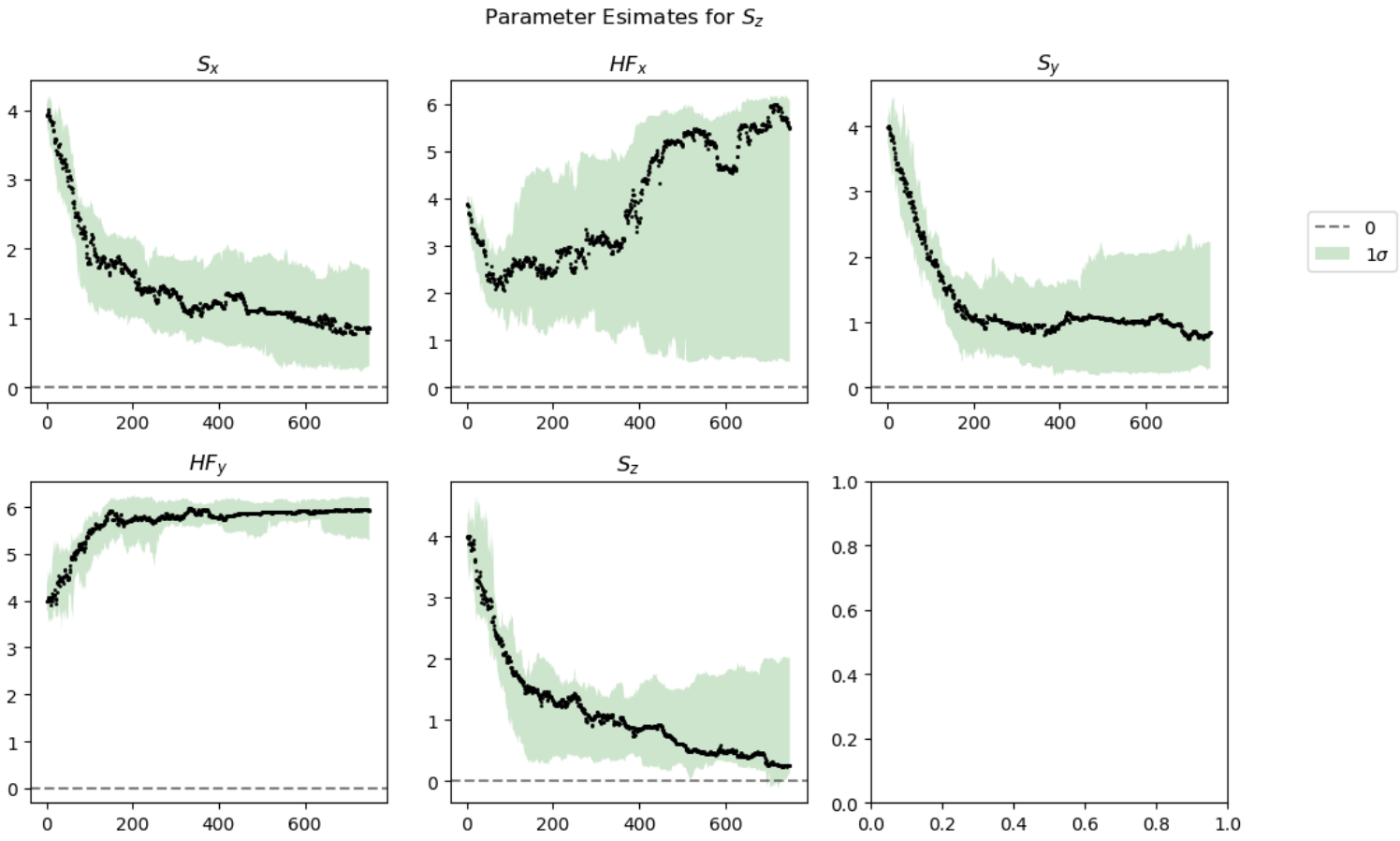
QMD Analysis [Jul_05/16_40]



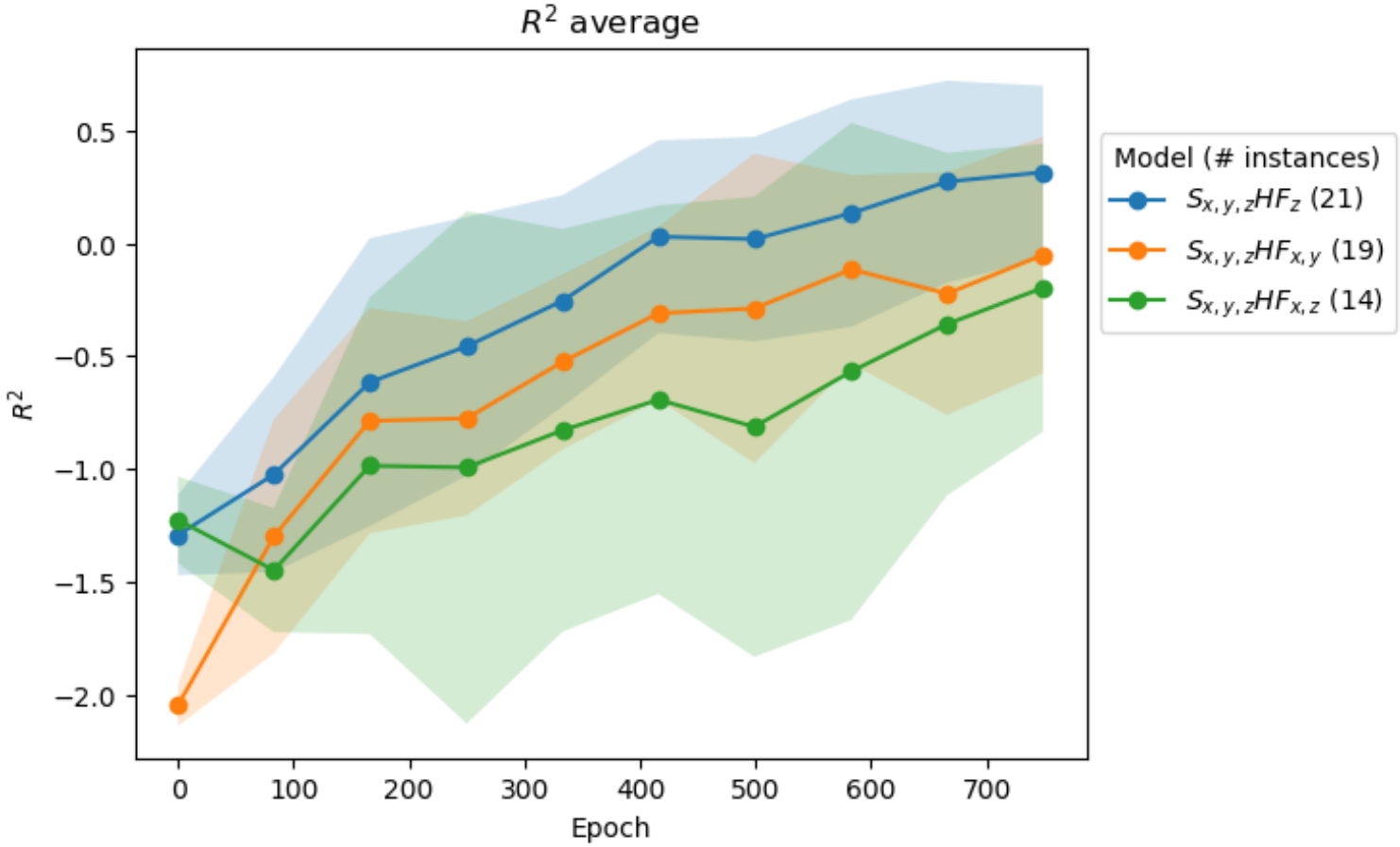
QMD Analysis [Jul_05/16_40]



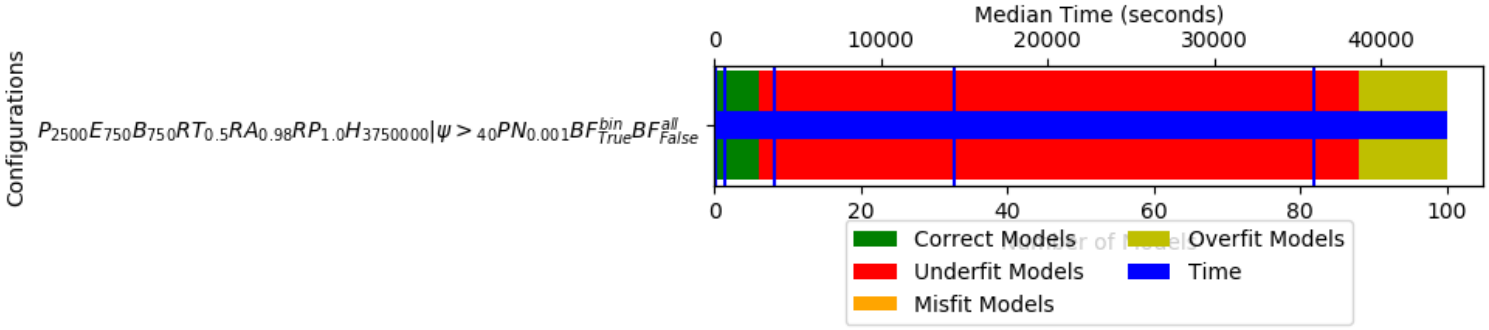
QMD Analysis [Jul_05/16_40]



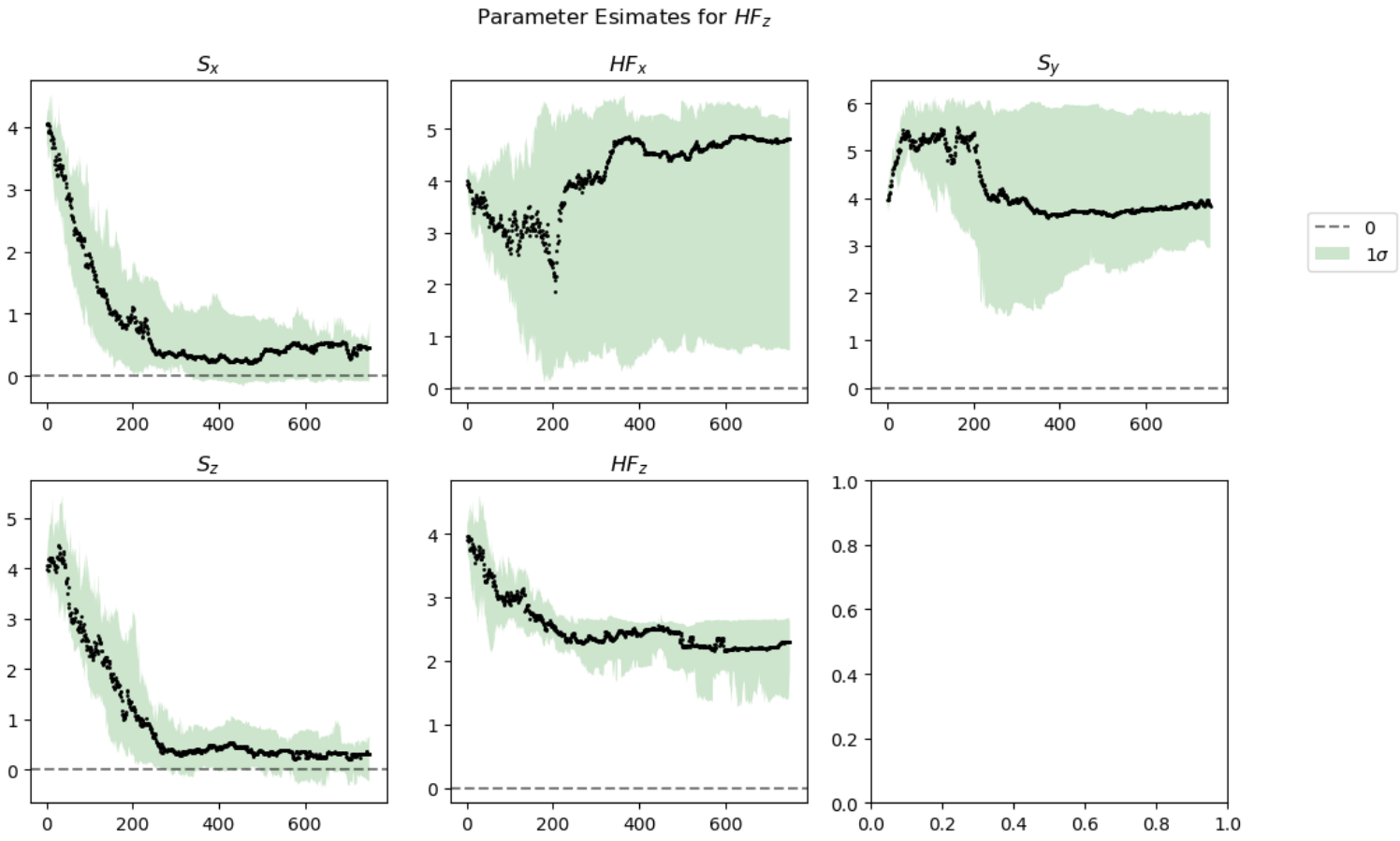
QMD Analysis [Jul_05/16_40]



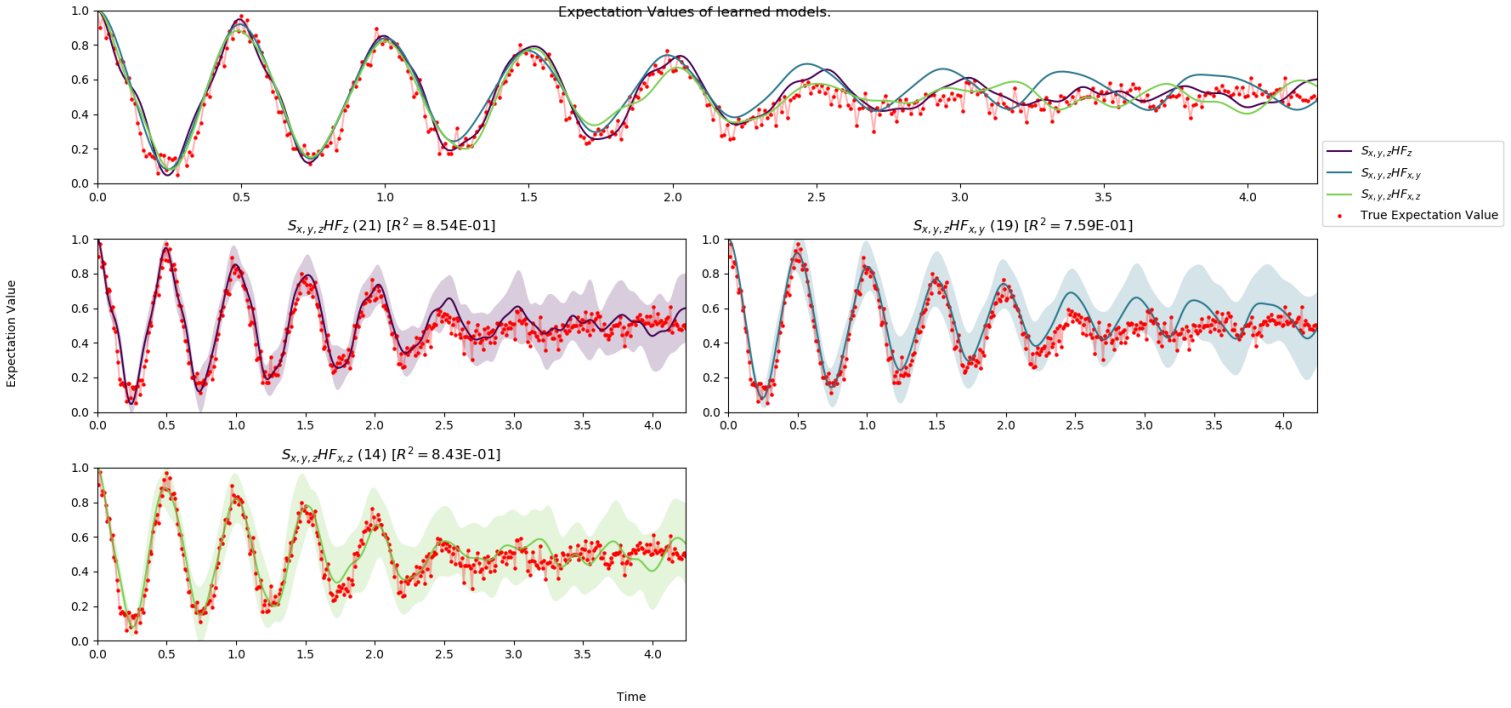
QMD Analysis [Jul_05/16_40]



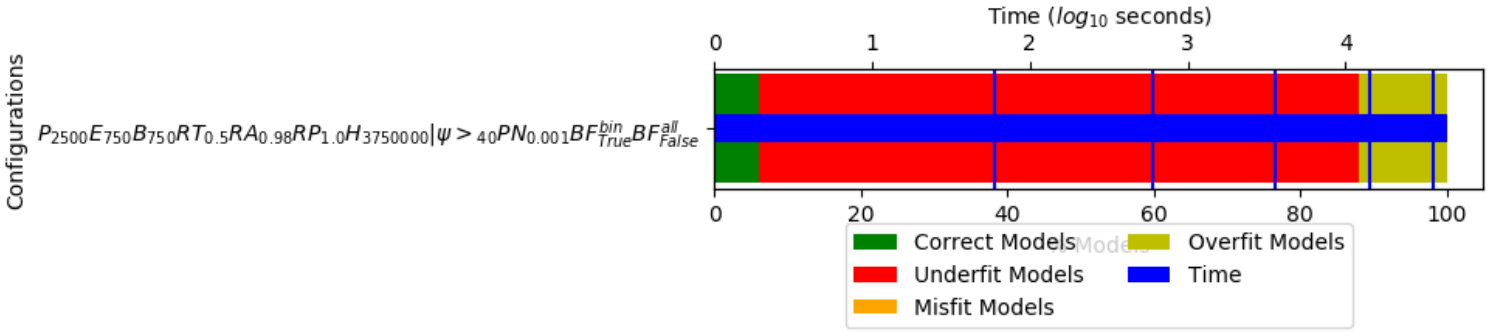
QMD Analysis [Jul_05/16_40]

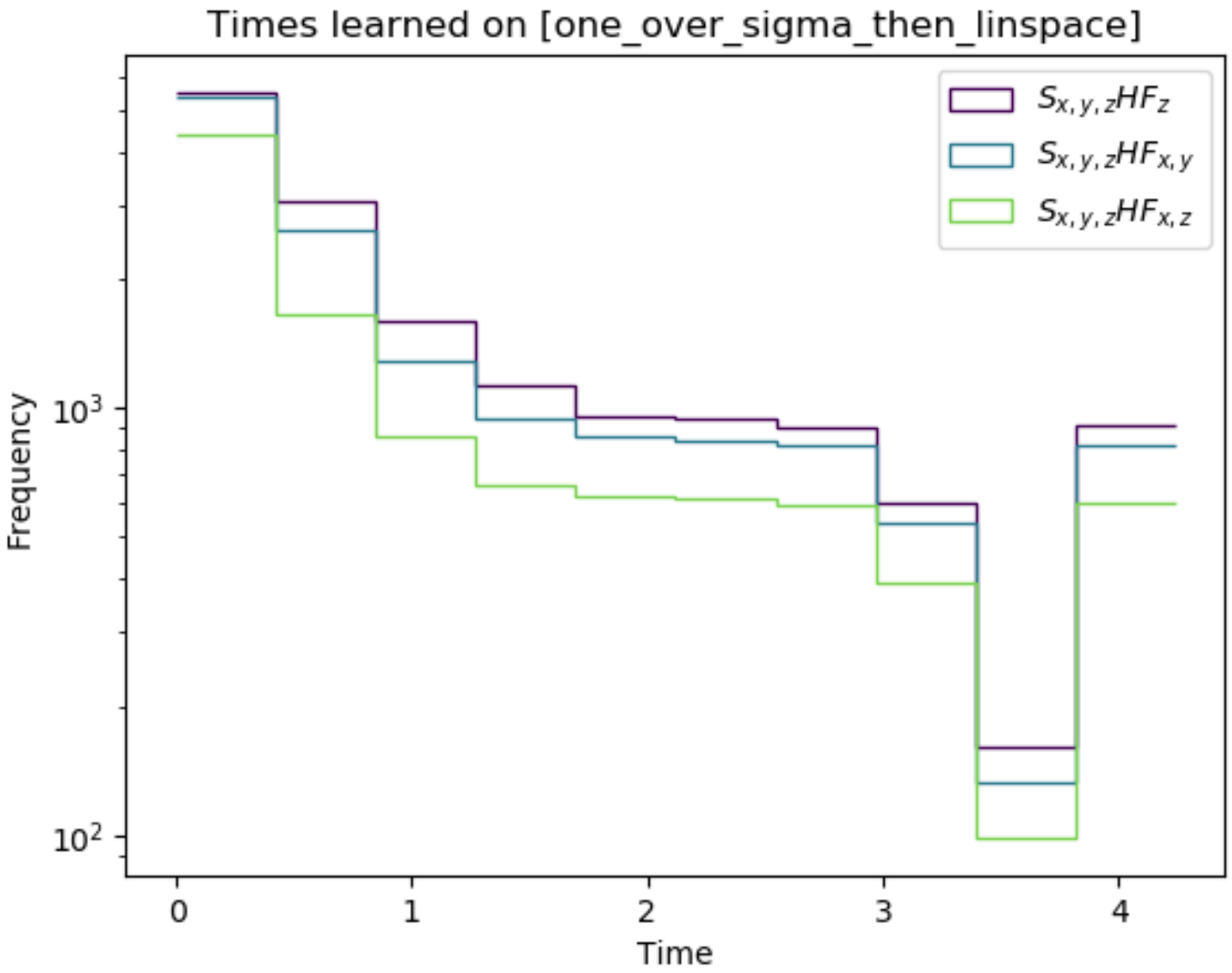


QMD Analysis [Jul_05/16_40]

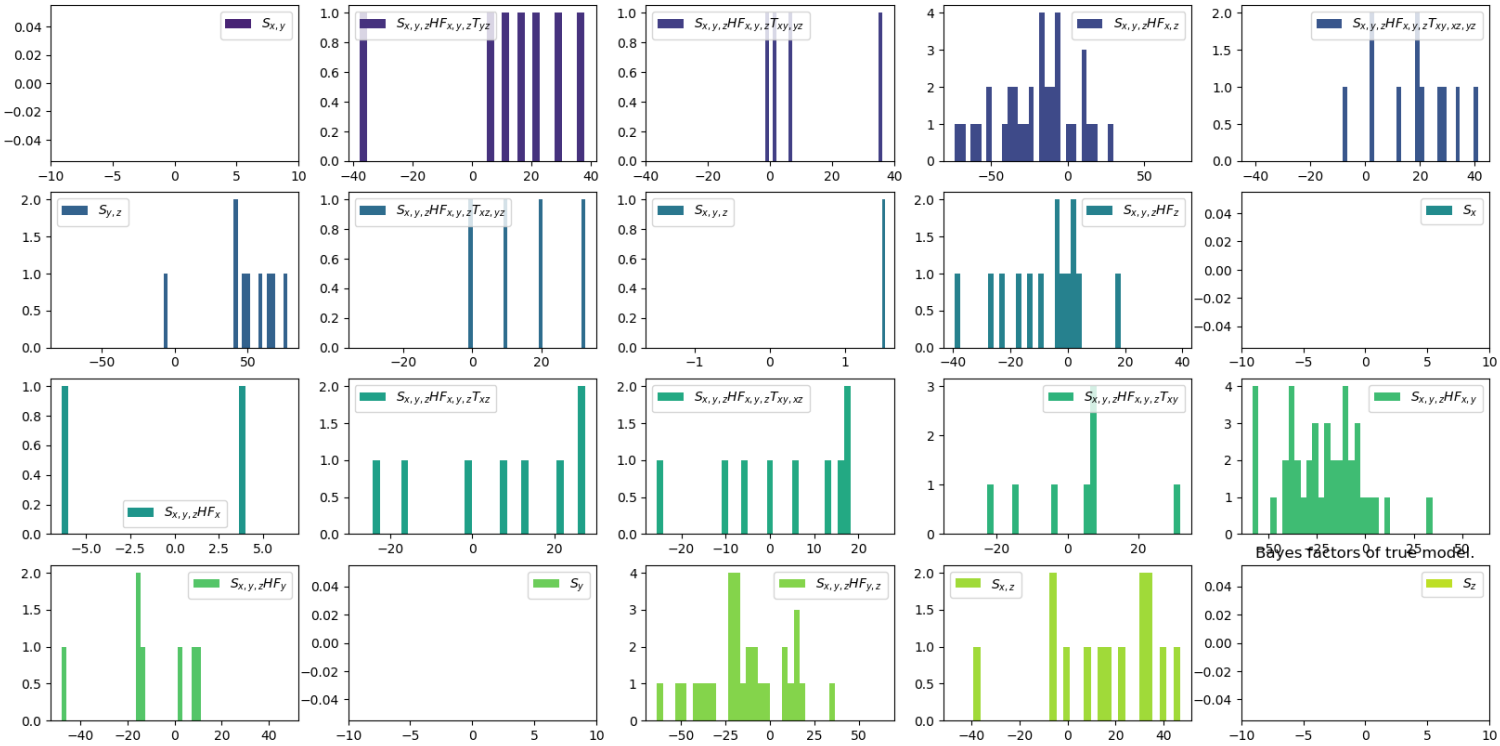


QMD Analysis [Jul_05/16_40]




Times learned on [one_over_sigma_then_linspace]
$S_{x,y,z}HF_z$
$S_{x,y,z}HF_{x,y}$
$S_{x,y,z}HF_{x,z}$
Frequency
10^3
10^2
0
1
2
3
4
Time

QMD Analysis [Jul_05/16_40]



Bayes factors of true model.