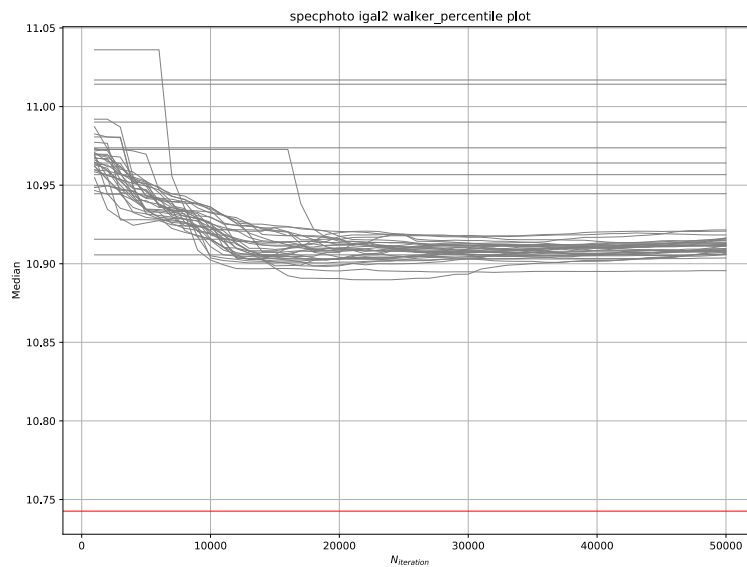
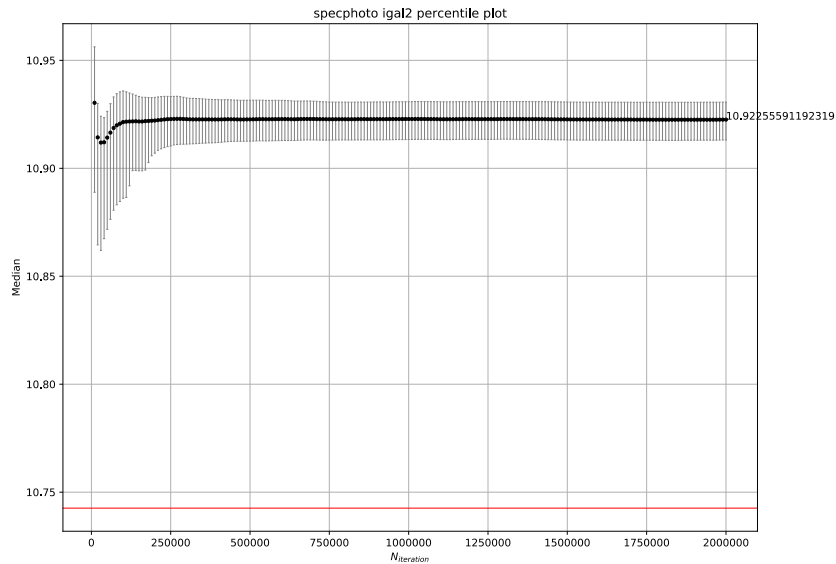


GQPMC Report

James Kyubin Kwon

1. NERSC Validation



Result Summary:

- a) Chain seems to have converged onto decently agreeing value
- b) But the chain terminated with divergence flag and with PSRF ~ 4 . It can be probably attributed to the large between-chain variance (some walkers did not move at all)

- c) Some walkers did not move at all. (Scatter $1e-2$ too large? Did not experience wiggling with lower scatter)

$$p_var = W * (N-1) / N + (M+1) * B / (M * N)$$
$$PSRF = p_var / W$$

Here W is within-chain variance and B is between-chain variance.