DSQSS/DLA workflow

text file (I/O) tool

lattice parameters
$$D, L, \beta$$

model parameters
$$S, J, h$$
$$n_{\max}, t, V, U, \mu$$

hamgen_H hamgen_B

Heisenberg   Bose-Hubbard

hamiltonian.xml

n-body interactions (including field)

lattgene_C lattgene_T

hyper-cubic   triangular

dla_alg

algorithm.xml

weights of vertex, scattering weight of worm

lattice.xml

site, bond, and inverse temperature

dla (single worm)
or
pmwa (multi worms)

qmc.inp (plain text)

parameters of QMC
(e.g.: number of steps, filenames of I/O)

result.log (plain text)

calculated properties

$$E, C, m, \chi, \ldots$$