

Lists of q-values:

$N_x \times N_y \times N_z . f2 . m0 . qscanx$

$N_x \times N_y \times N_z . f2 . m0 . qscany$

$N_x \times N_y \times N_z . f2 . m0 . qscanz$

Data files:

$N_x \times N_y \times N_z . f2 . m0 - q_{flip} q_x q_y q_z . dat$

Input files from step 2:

$N_x \times N_y \times N_z . f2 . m0 - q_{flip} q_x q_y q_z$

`step3_v2.pl`

• `colener_v2.pl`

• `torc_v2.pl`

• `findground_v2.pl`

• `starterrc_v2.pl`

Compiles all .dat files to a single file:

$N_x \times N_y \times N_z . f2 . m0 . energies$

Changes mode in input files to 3:

$N_x \times N_y \times N_z . f2 . m0 - q_{flip} q_x q_y q_z$

Identifies the ground state and writes the ground state q-values, $q_{gs, flip} q_{gs, x} q_{gs, y} q_{gs, z}$ to file:

`gs.qflip`

Submits the job:

$N_x \times N_y \times N_z . f2 . m0 - q_{gs, flip} q_{gs, x} q_{gs, y} q_{gs, z} . rc . sh$

Job output:

$N_x \times N_y \times N_z . f2 . m0 . gs$