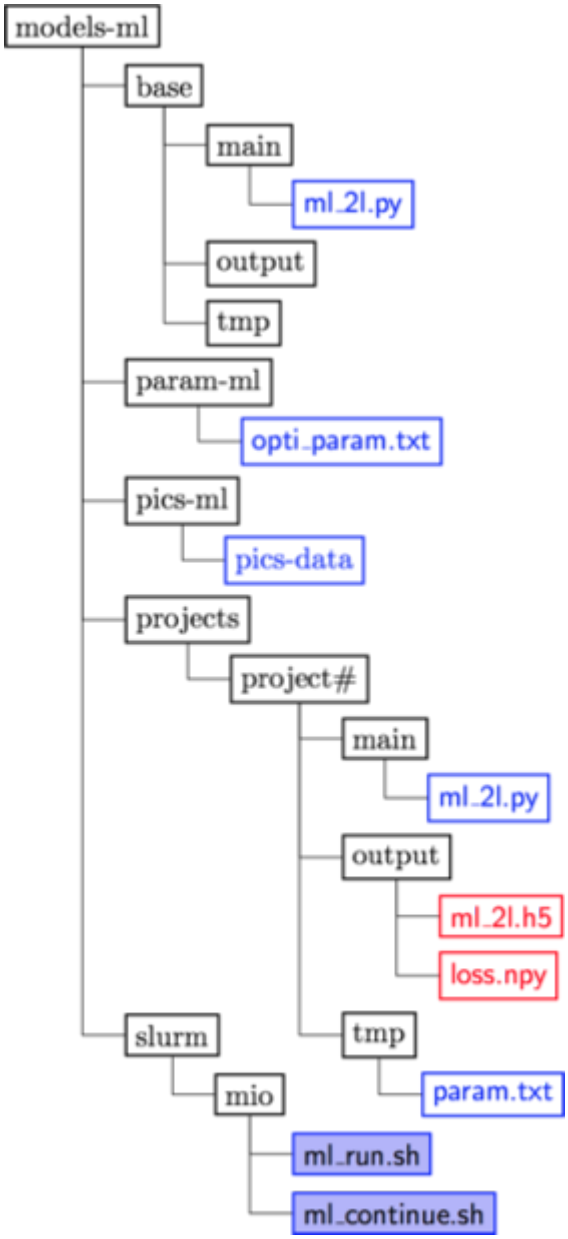
# For Slurm




1. Check the parameters you want in `opti_param.txt`.

2. Upload to server with `gerjoii/field/ml_push.sh`.

3. Run shell file `ml_run.sh`,

    i. choose project number,
    ii. copy `base` into `project/project#/`,
    iii. run Slurm batch file that will put job in the queue (`ml_run.bash`).

4. The file `ml_run.bash` will queue `ml_2l.py`,

    i. read optimization parameters from `opti_param.txt` and copy them in `param.txt`,
    ii. run optimization with data from `pics-data`,
    iii. save the learning machine (`ml_2l.h5`) and the loss history of the optimization (`loss.npy`) to disk.

5. Download `project#/output` with `gerjoii/field/ml_pull.sh`.