Meeting protocol

time: 20191014, 20:00-22:00,

Participants: Yang, Ta, Wang

first meeting:

1. all filename in English
2. some files for planning
3. data structure, very detailed one
4. synchronization
5. layers

measurements mode

plan: how many layers,

hardware interface, low level interface(good documents), high level interface(good documents), graphic interface level (extentable)

Data output and input are in different process,

data output need also a Cache to save time and space for generating big scanning wave front as well for the hardware (limited resources).

synchronization ?????

data structure, check the one from picoquant and abberior,

tempfile and result file?

md5 check for the data integrity.

additional interface, math operation, 3d visualization, zoom in, shortcuts vs. all measurement …

some setting lock while measurement.

special for the software,

hardware initialization, some of them are slow, therefore, multi-threaded (to speed up) and error (wait) return, in software initialization.

hardware: laser, shutter (eom aotf), power tuning, scanner, slm, focus lock, spectrometer, TCSPC, scanner, detector gating, fast gating,

potential functionalities: calibration, camera