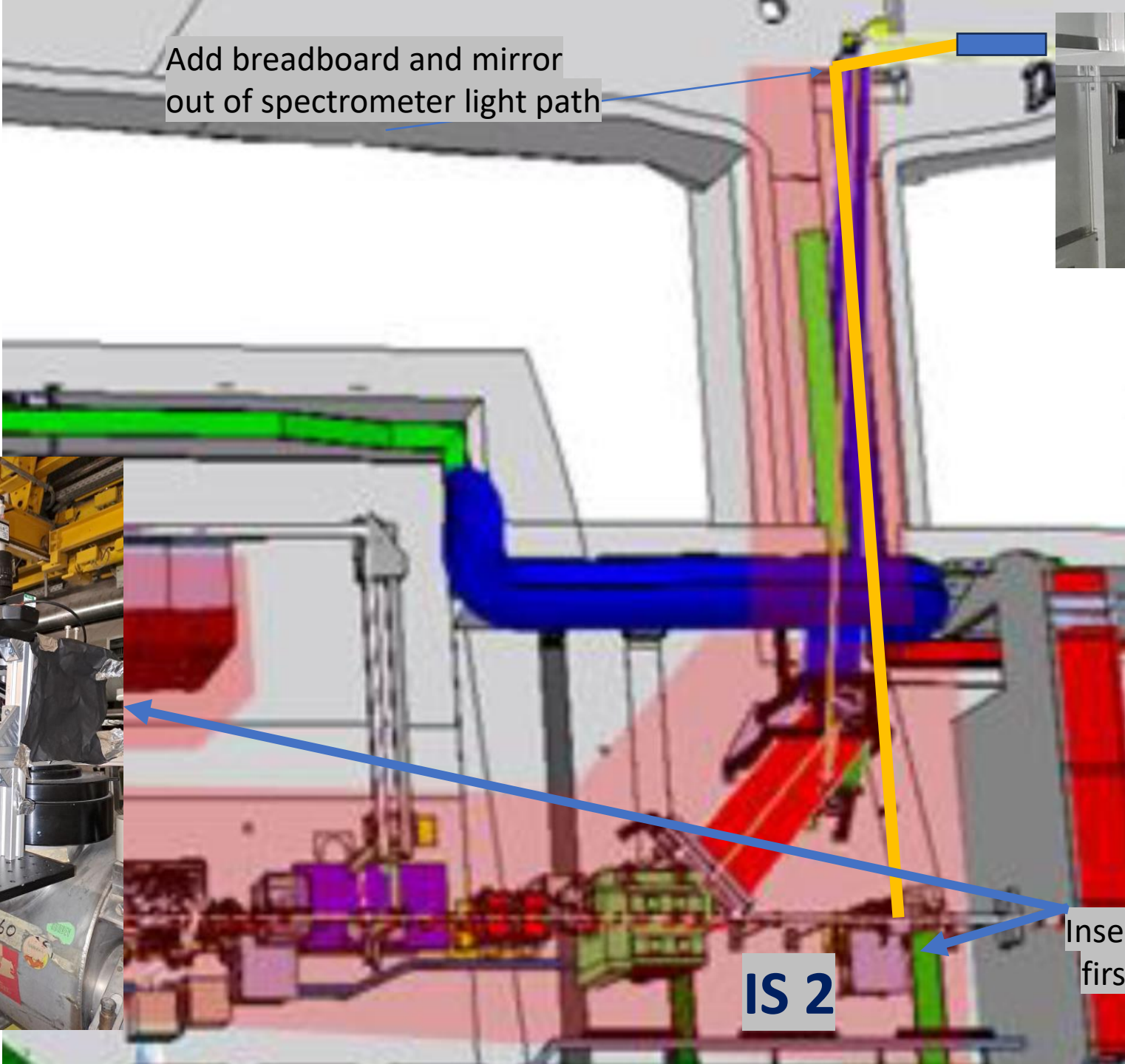
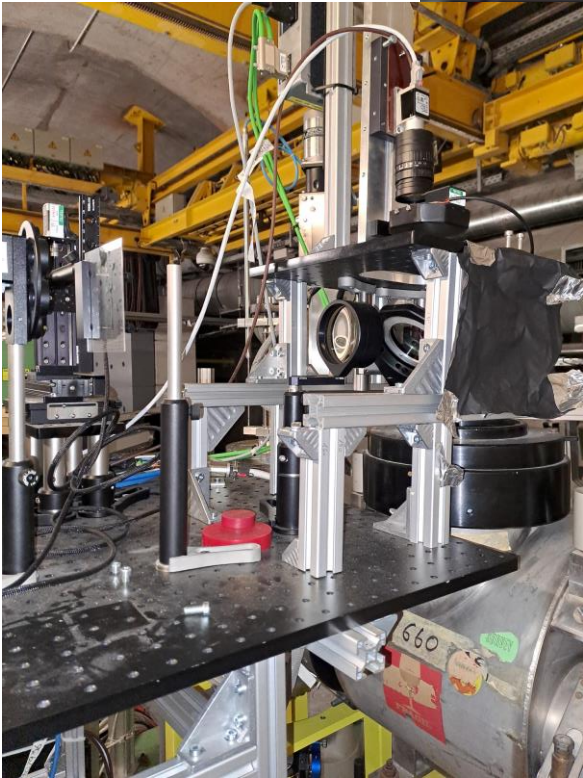
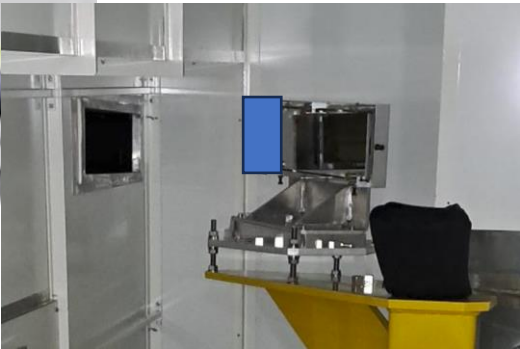


Add breadboard and mirror
out of spectrometer light path



IS 2

Insert beamsplitter and
first lens of thick lens
system

Why?

- Streak camera images together with electron acceleration to understand variations.

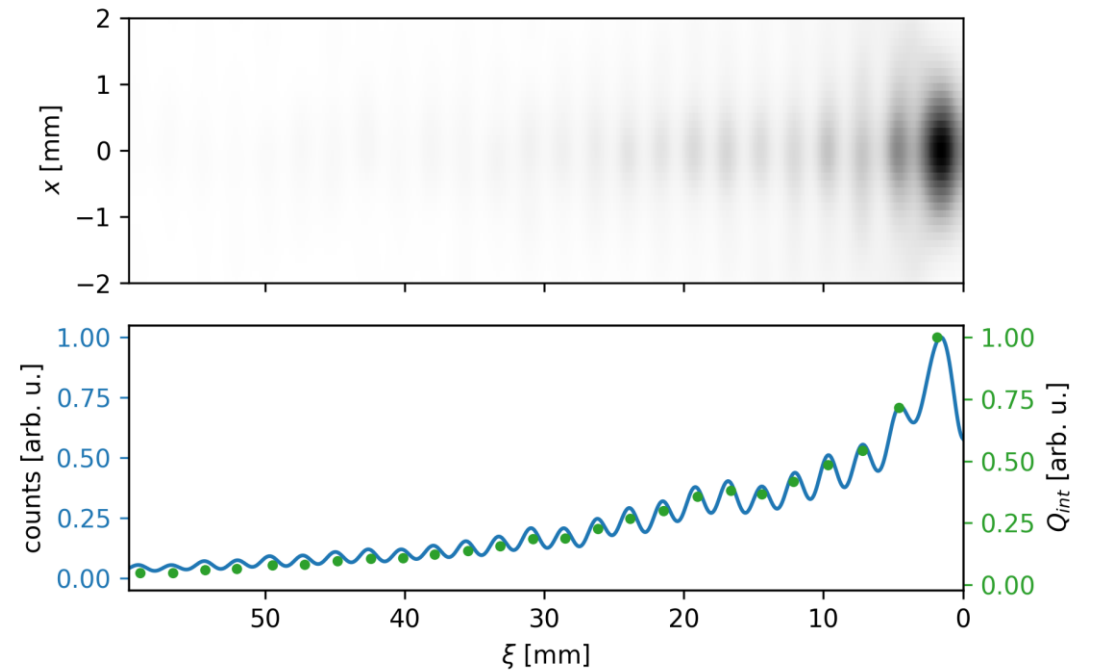
To do:

- Need to determine mbunch /core size at IS2
- Will there be enough light?

To discuss:

- Risk of not getting a good image quality, is it worth the effort?

2e14 uniform plasma, propagated to IS2



Equipment needed:

- 3"dia beamsplitter
- (up to) seven 3"dia mirrors with mounts and bases for transport
- Periscope of 2"dia mirrors for height on optical table in dark room
- Small optical table (that is in the tunnel) and install it in the dark room
- Four lenses, two, 2"dia (first and last) and two, 3"dia for middle ones
- Optomechanics
- Mount to the last spectrometer mirrors
- Remote-controlled translation stage for adjustment of position of the first thick-lens lens close to IS2
- Triggers, ps for streaking and for CCD
- Ethernet and power for PC close to streak camera
- FEC to control streak camera PC

Potential technical showstoppers:

- Signals: ps-trigger and CCD trigger (split from spectrometer camera?) → first test yesterday indicate that trigger can be transported
- Light path with sufficient clear aperture
- Acceptance of the transport line
- Remote controlled linear translation stage (travel > 10 cm) close to IS 2 → first check yesterday showed one free channel, tbc