Incident beam optics

Fixed divergence slits

- Anti-scattering slit
- 2x divergence slit width
- Beam mask
- Divergence slit
- Soller slits

Hybrid monochromator

- Monochromator
- Divergence slit
- Automatic attenuator
- Beam mask
- X-ray collimating mirror
Beam masks: define the height of the beam

Slits: define the width of the beam
Detectors / diffracted beam optics

X’Celerator

Filter (Cu or Ni)
Soller slits
Mask

Tripple Axis

Detector 1
Triple axis detector
Divergence slits

Detector 2
Rocking curve detector
Tripple axis monochromator
Single crystal setups

1) High resolution: rocking curve, omega-2theta scans and High res. RSM

2) Lower resolution: fast reciprocal space mapping:
   make sure the Cu filter is not in front of the X’Celerator
Powder diffraction setup

For beam alignment at 0° make sure to use the Cu 0.2 filter