

X-ray source: Cu-Anode: ca. 8.04 keV, 8.94 keV

4 bit per pixel

setup:lower flux
configuration
(50 kV, 0.4 mA)

frame rate:

20.8 kHz
(„max.“ 24.4 kHz)

8 bit per pixel

setup:high flux
configuration
(50 kV, 1 mA)

frame rate:

11.4 kHz
(„max.“ 12.4 kHz)

12 bit per pixel

setup:high flux
configuration
(50 kV, 1 mA)

frame rate:

7.8 kHz
(„max.“ 8.3 kHz)

i.e. „fan movie“
on web page

**First scientific tasks for this „EIGER“ chips
(Extreme hIGH framE Rate detector chips)
are planed at the SLS cSAX-beamline:**

- coherent diffraction imaging**
- X-ray photon correlation spectroscopy**