

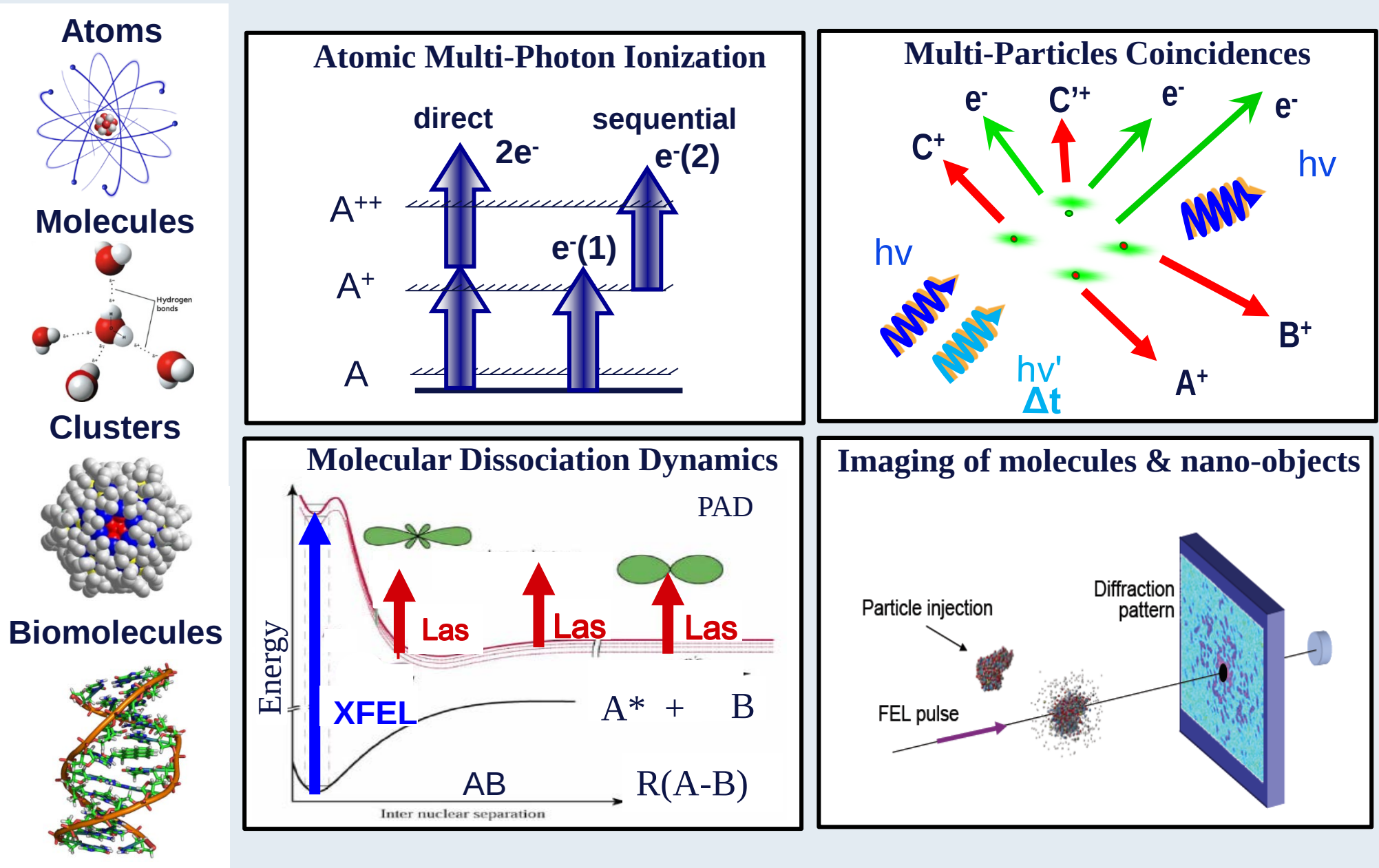
The Small Quantum Systems - SQS Instrument at the European X-Ray Free Electron Laser

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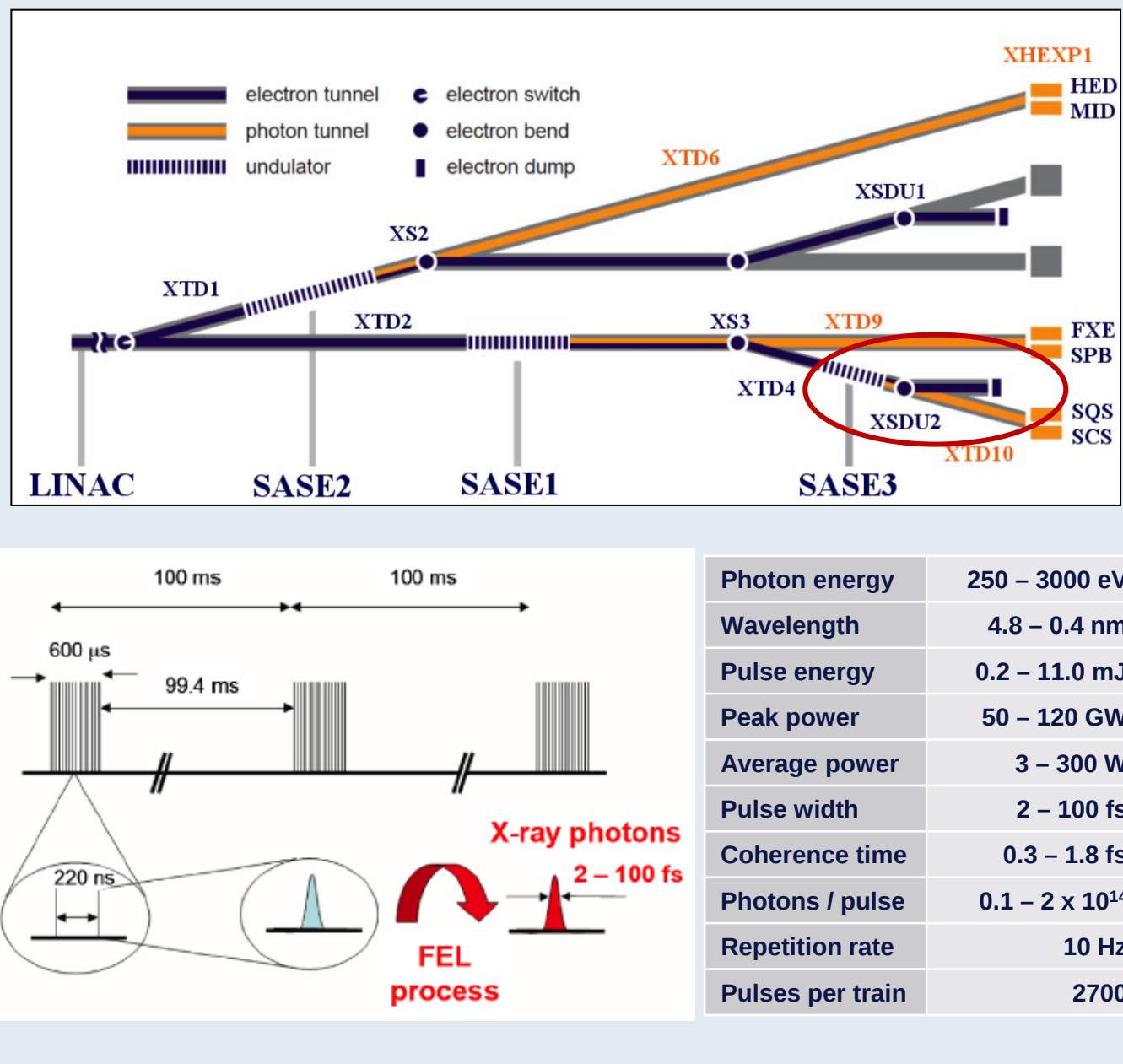
European XFEL GmbH, Holzkoppel 4, 22869 Schenefeld, Germany



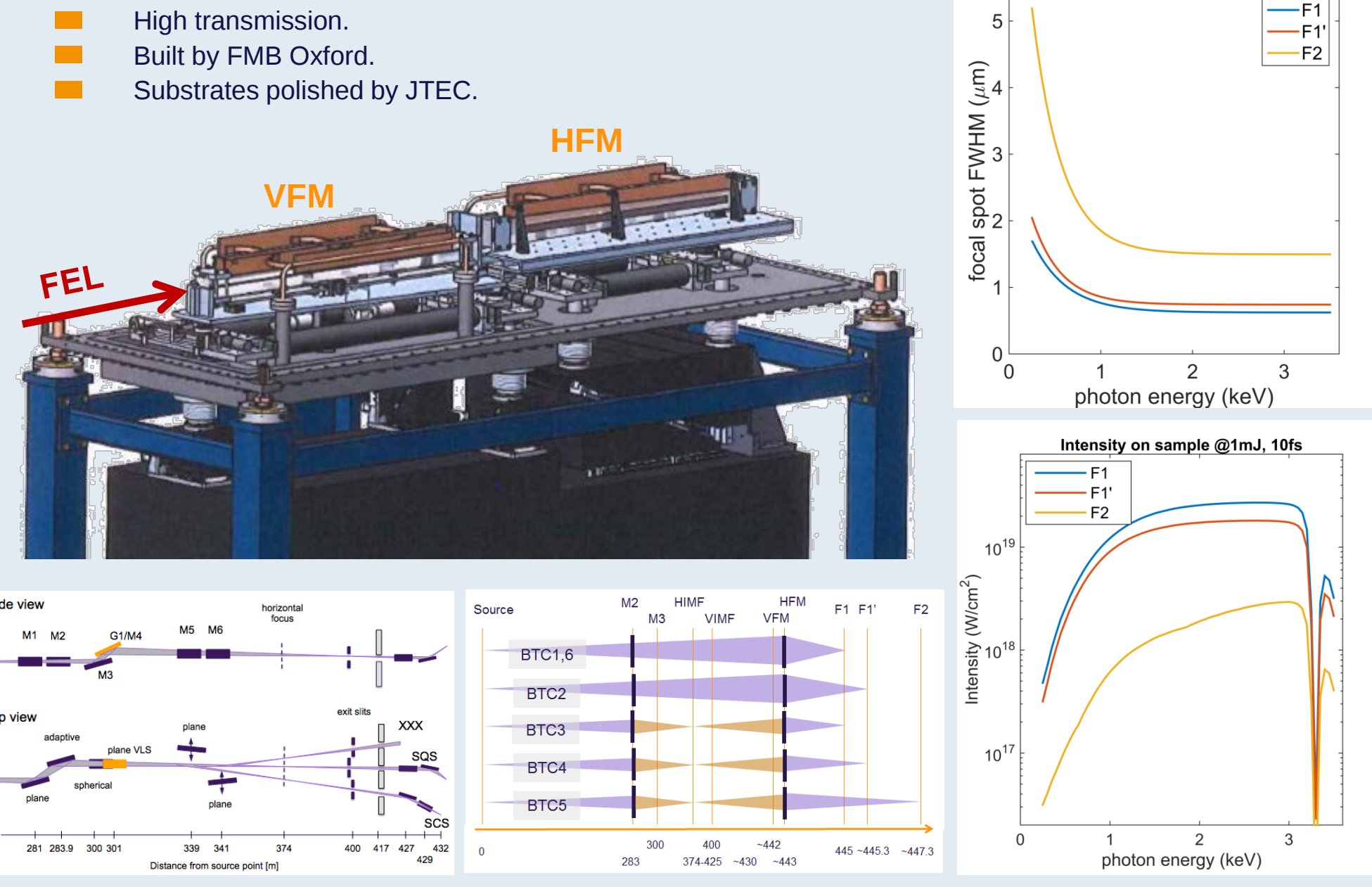
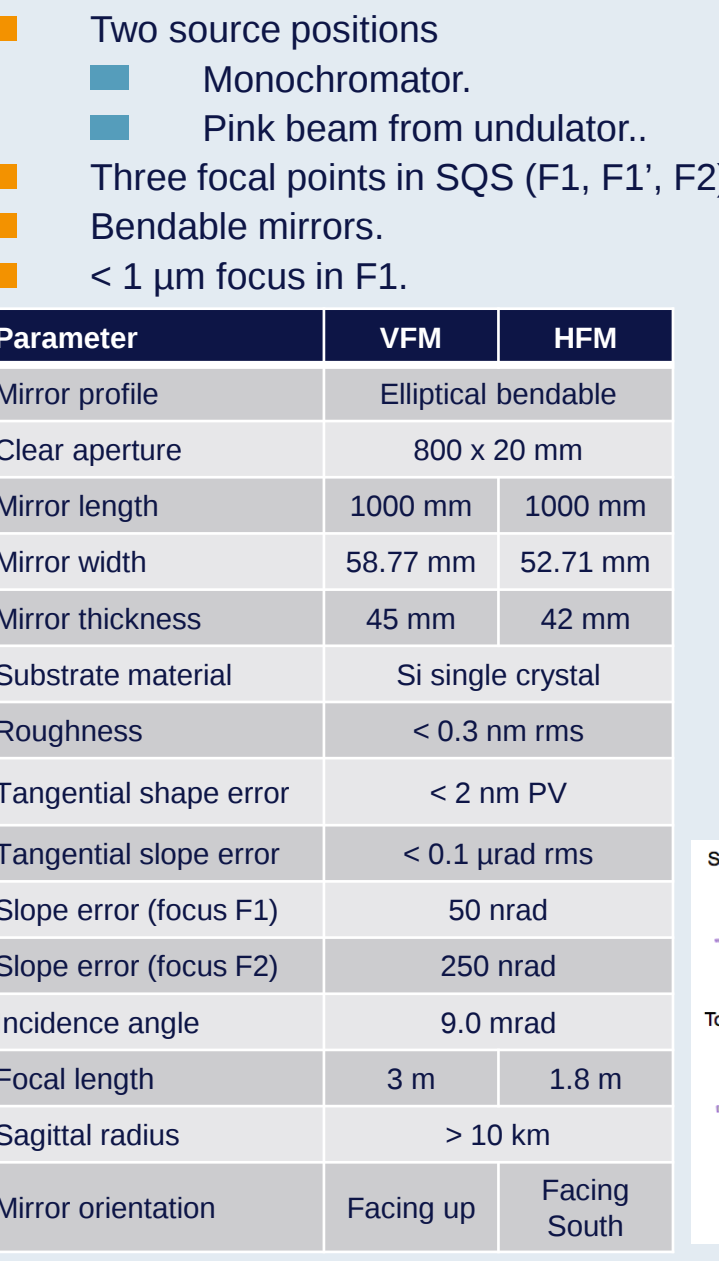
Scientific Scope: Small Quantum Systems (SQS)



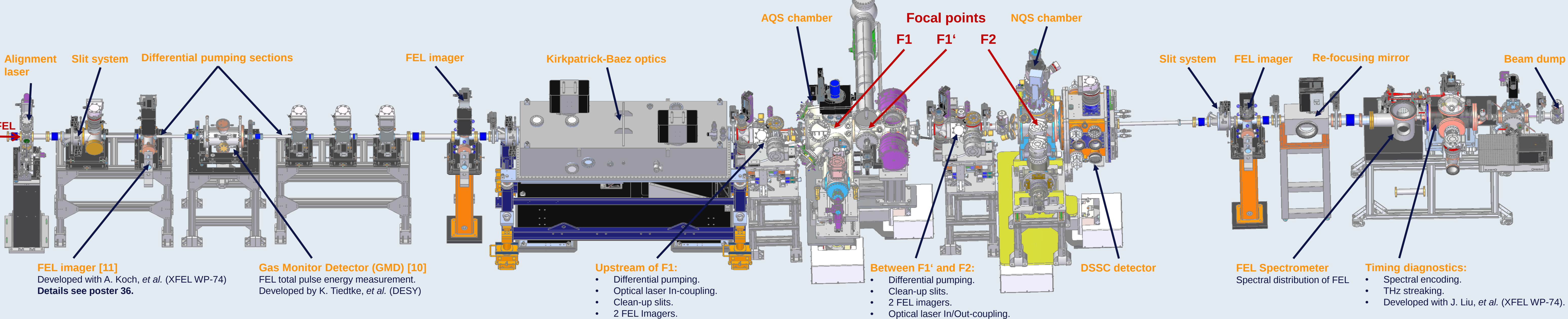
SASE3 Soft X-Ray Beamline



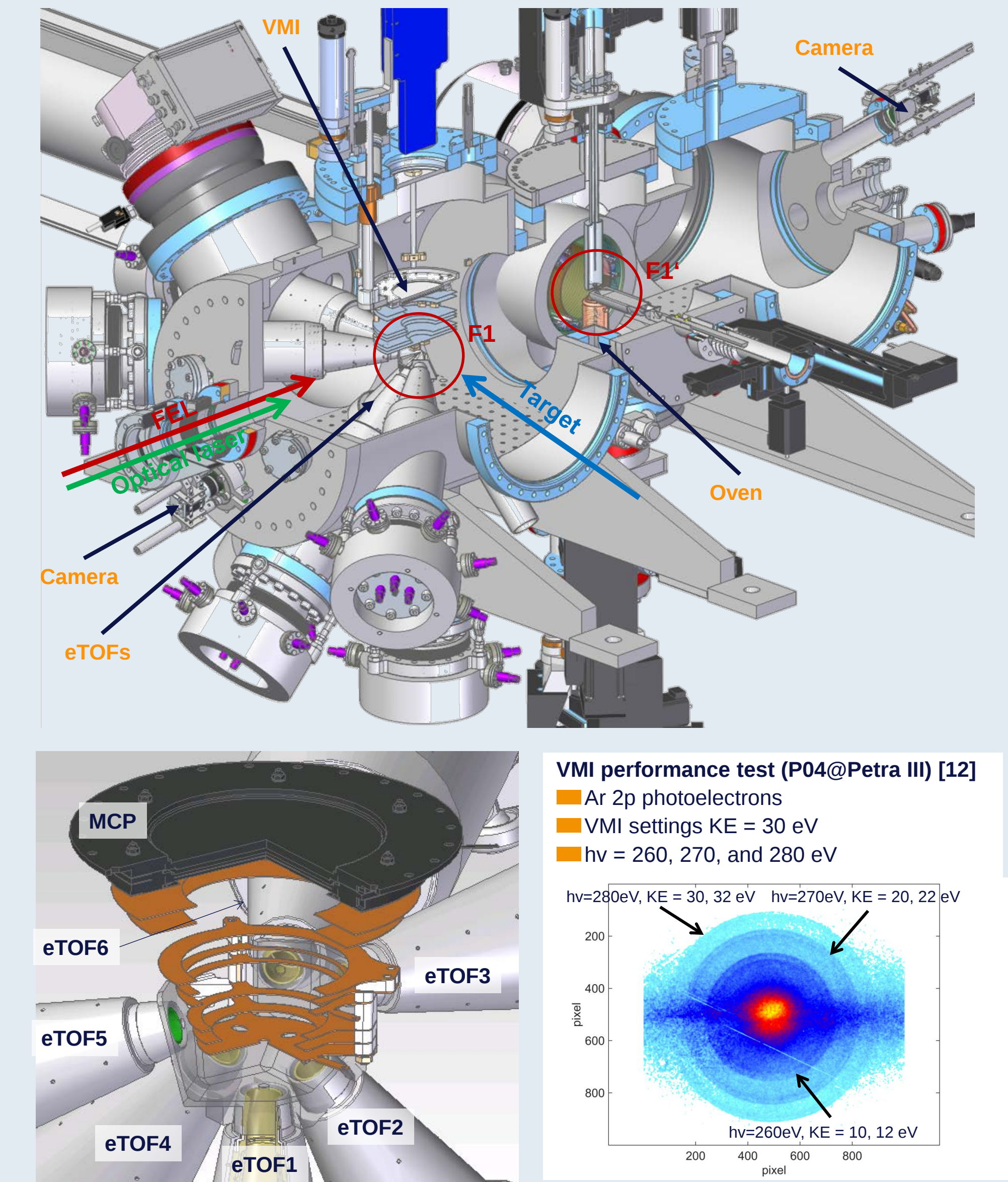
Beam Transport and KB mirrors



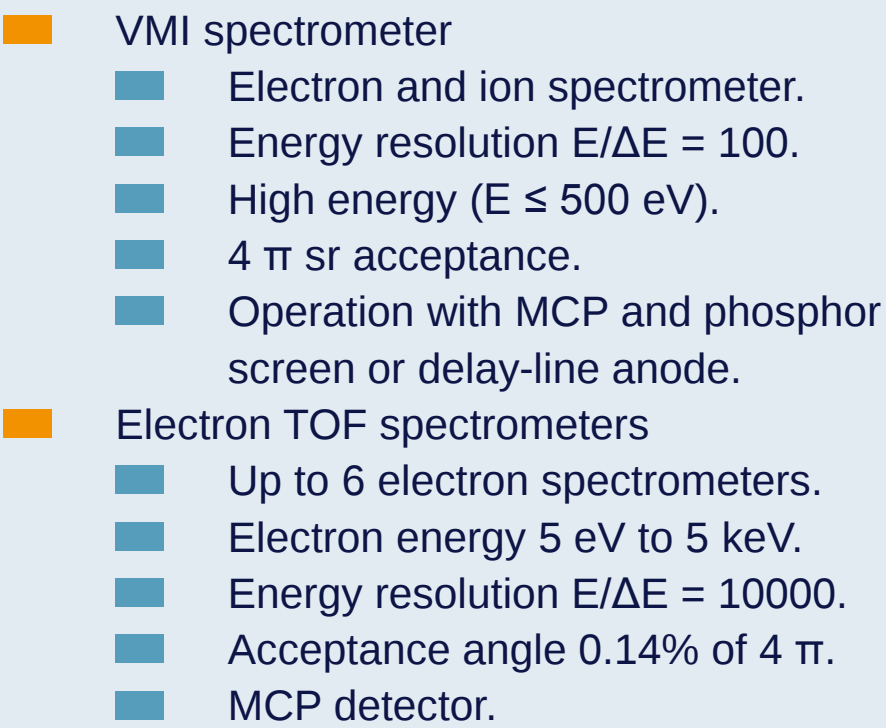
Overview of the SQS Instrument



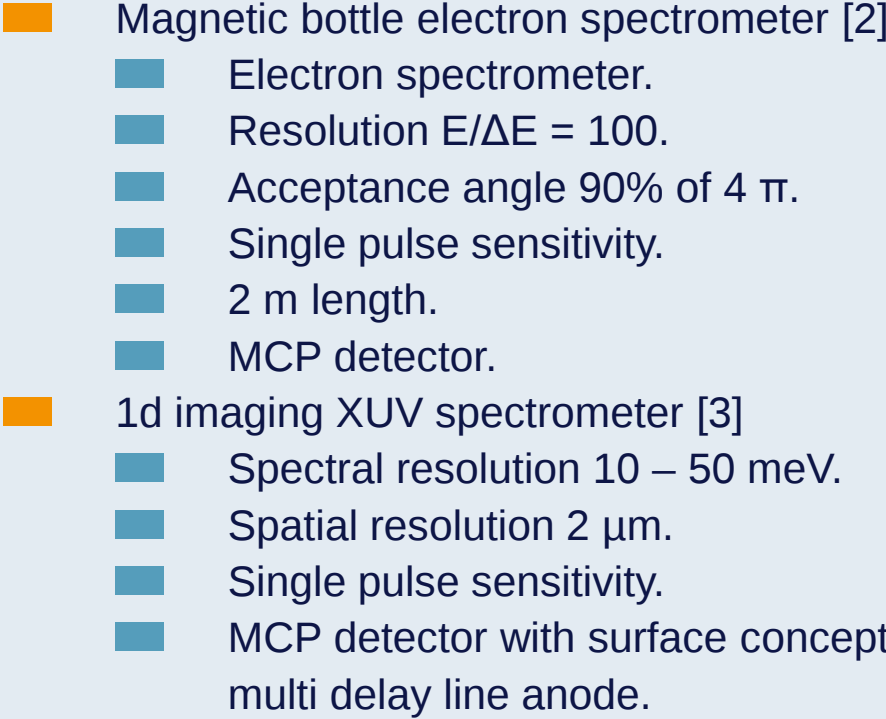
Atomic-like Quantum Systems (AQS)



F1 Spectrometers

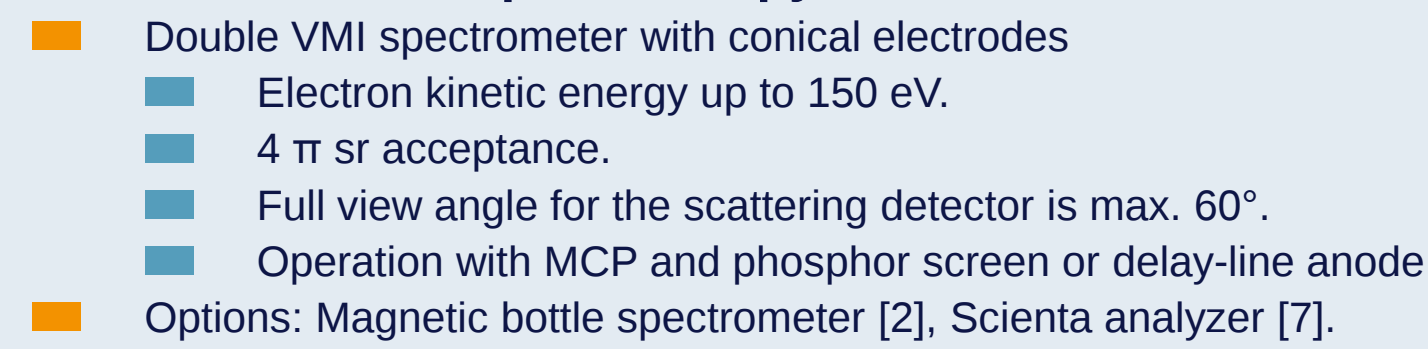


F1' Spectrometers

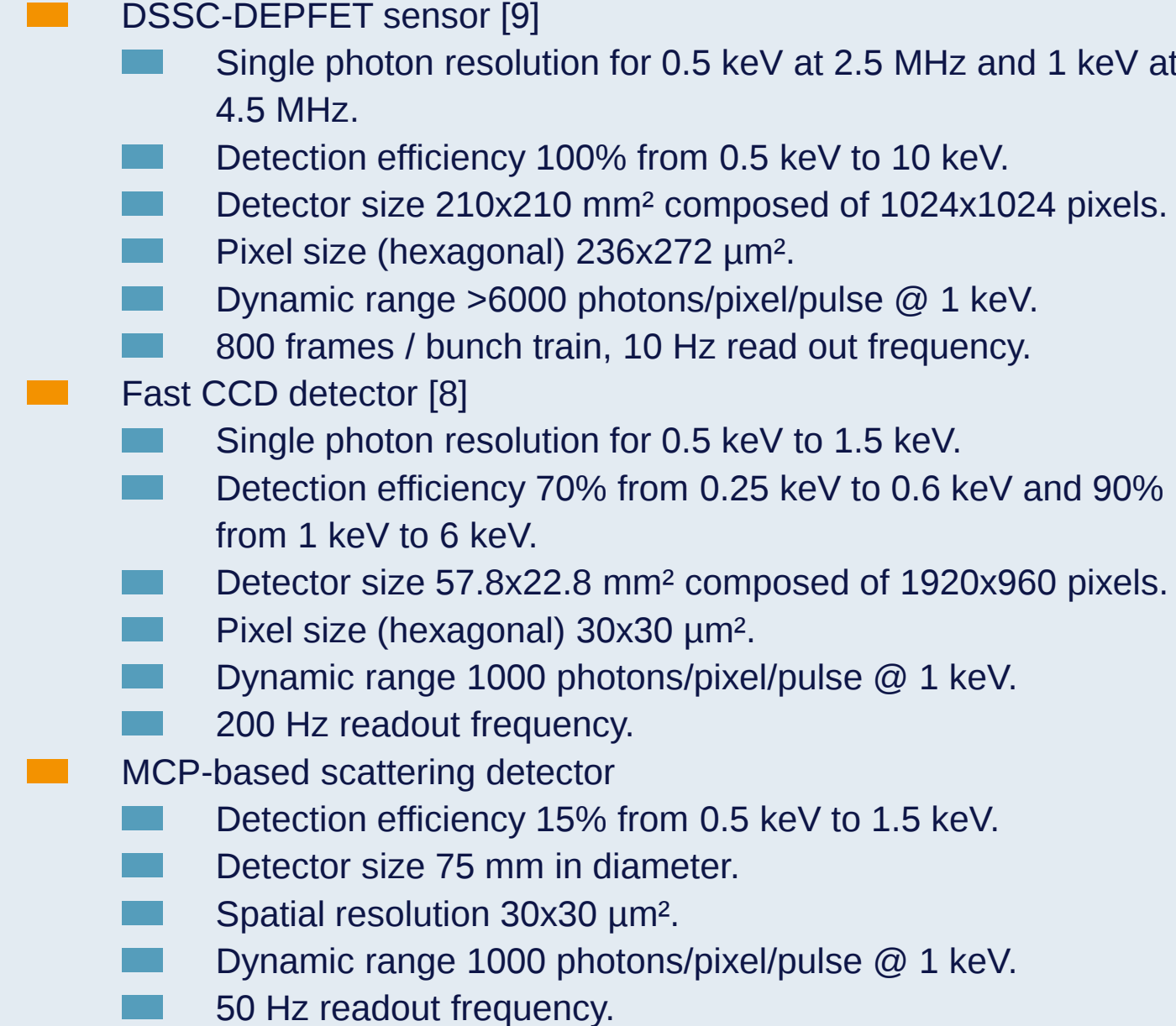


Nano-sized Quantum Systems (NQS)

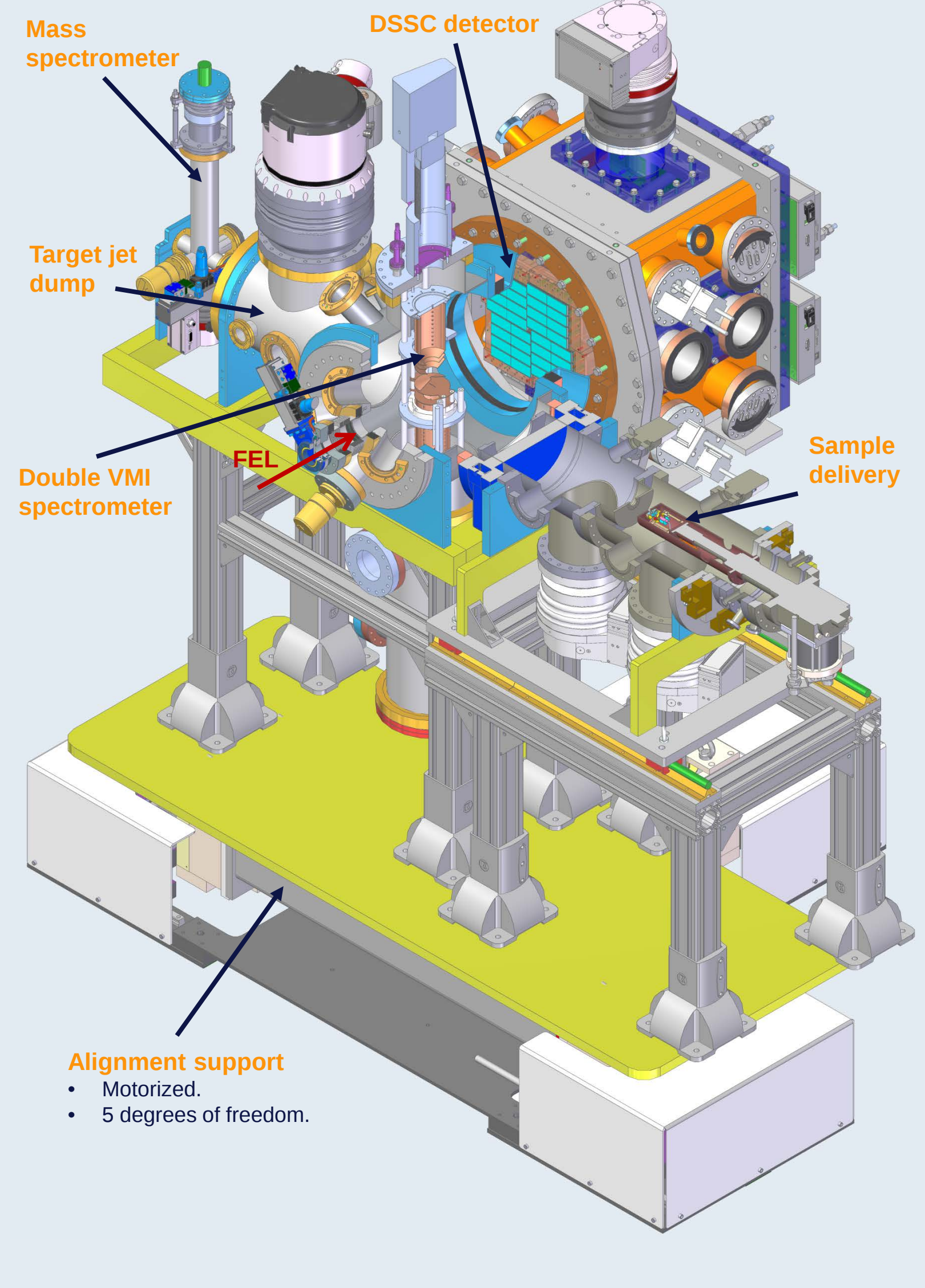
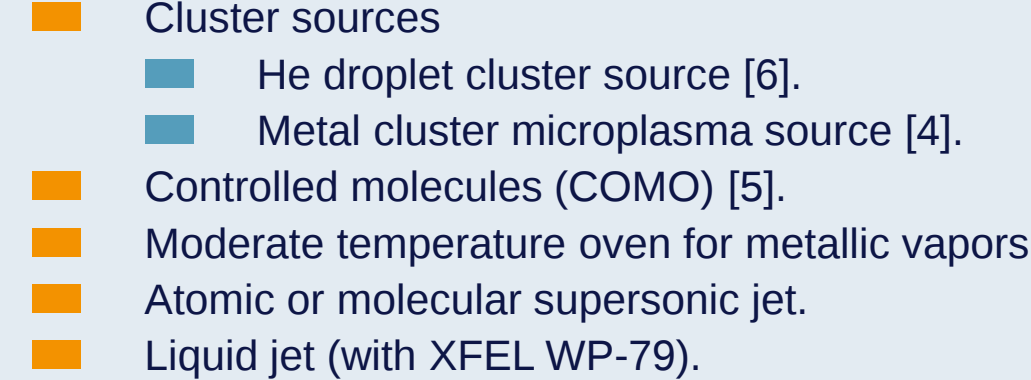
Electron and Ion Spectroscopy



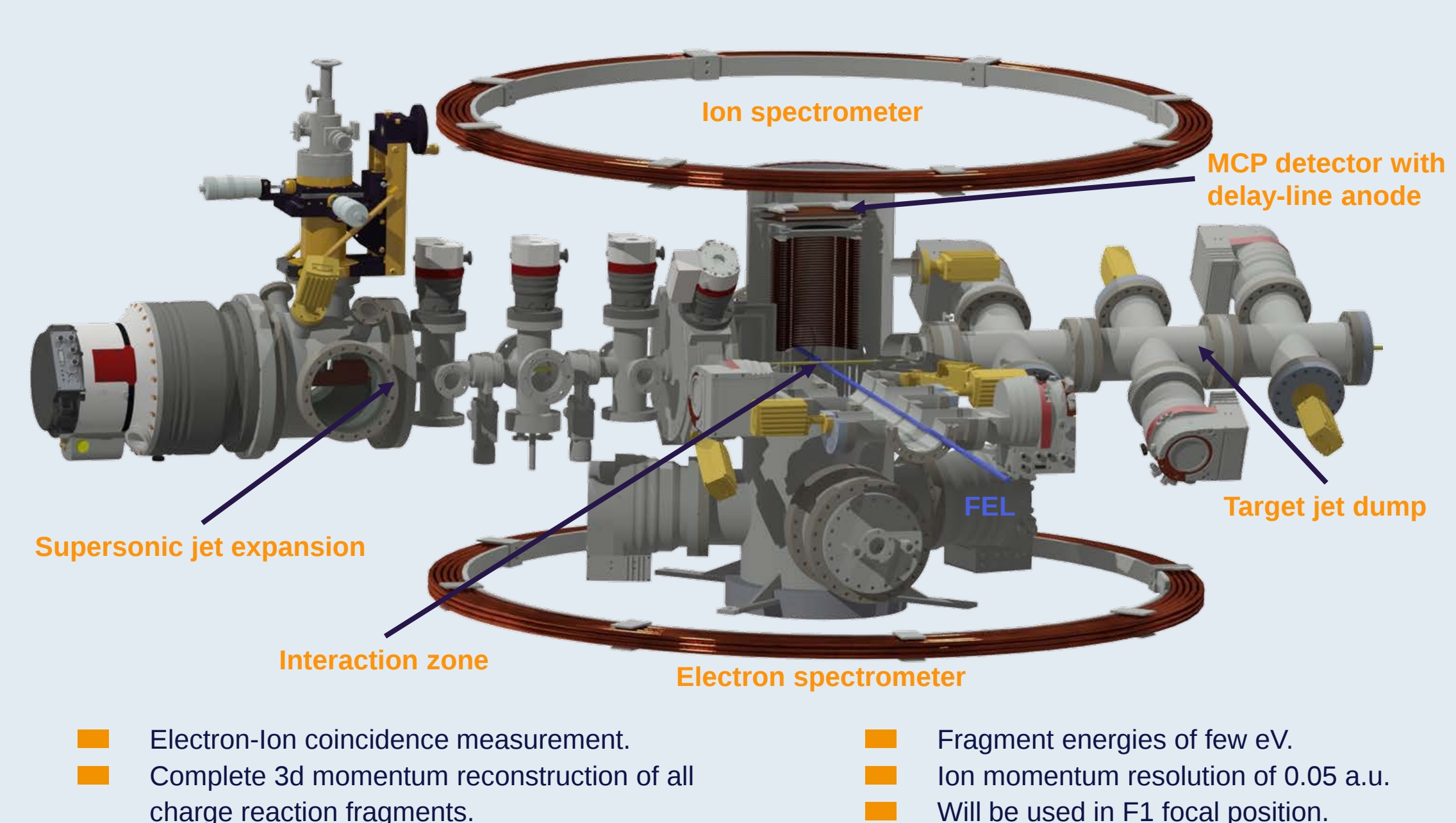
Single Shot Scattering Imaging



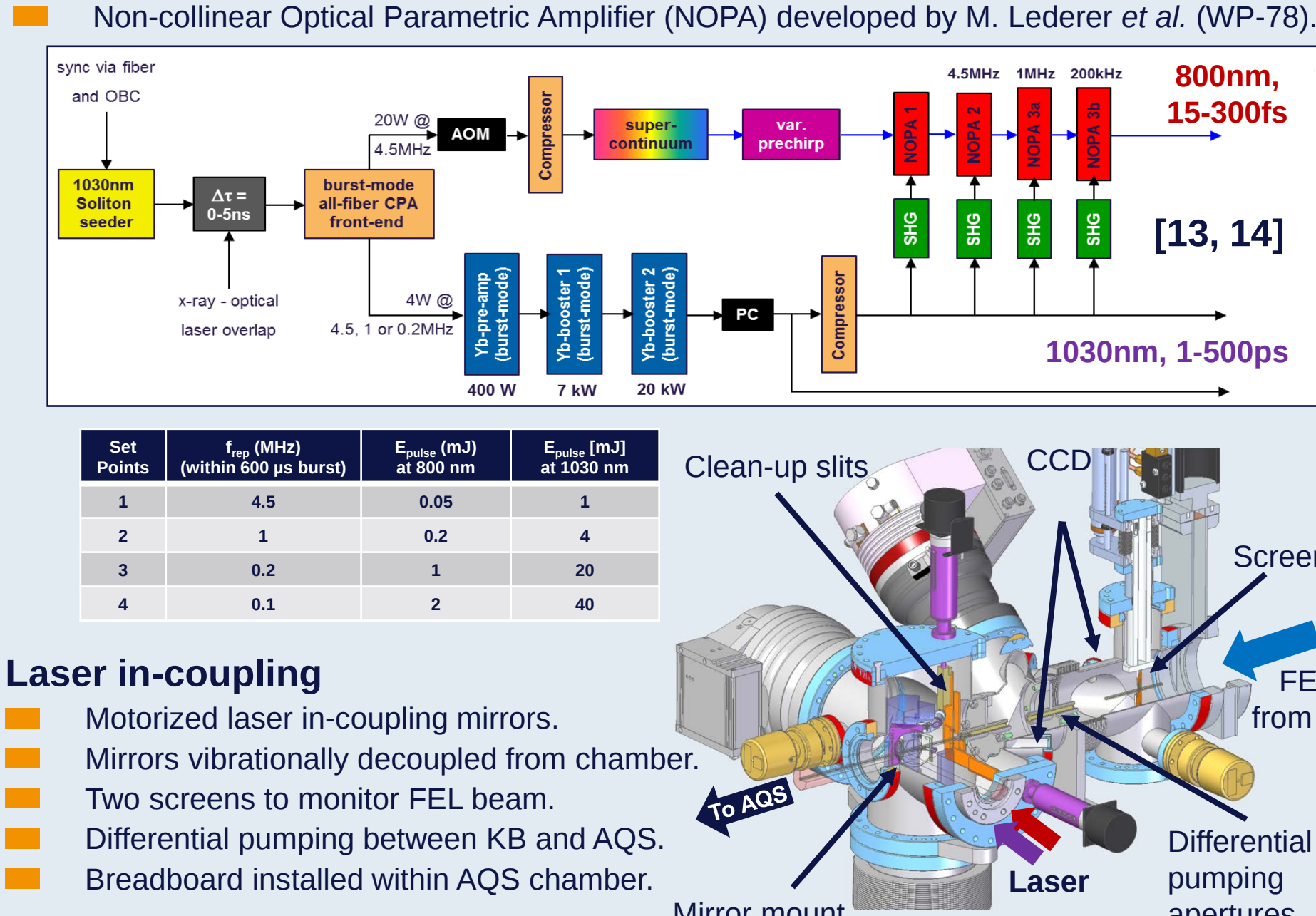
Sample Delivery at SQS



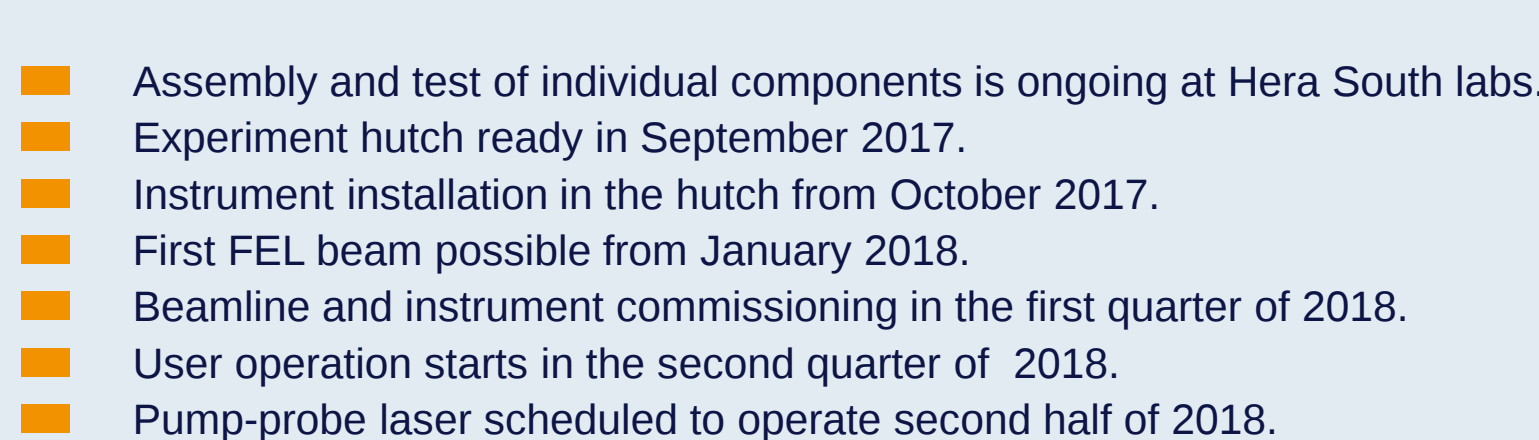
Reaction Microscope (REMI) [1]



Optical Pump-Probe Laser



Status of the Instrument



References

