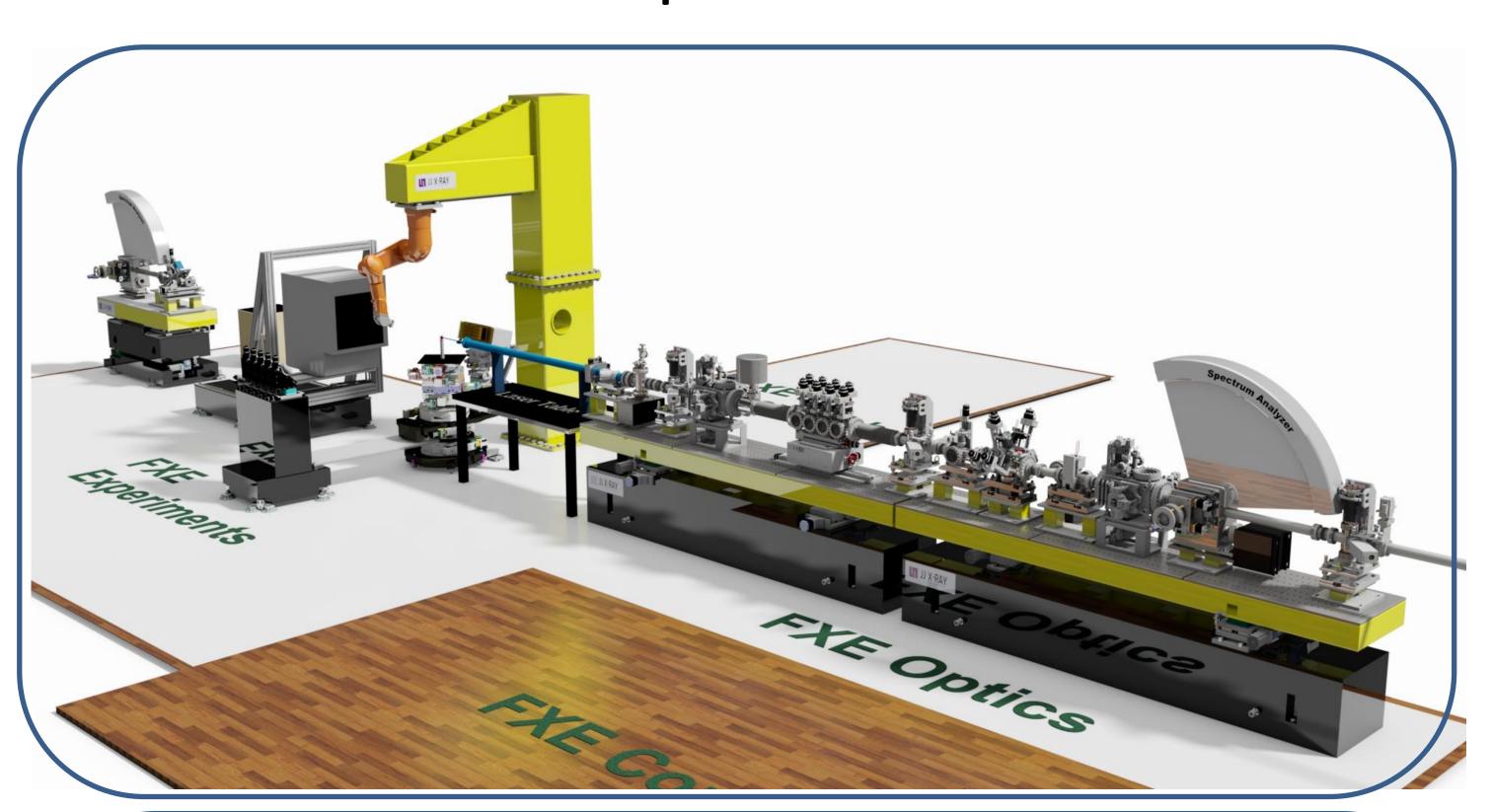
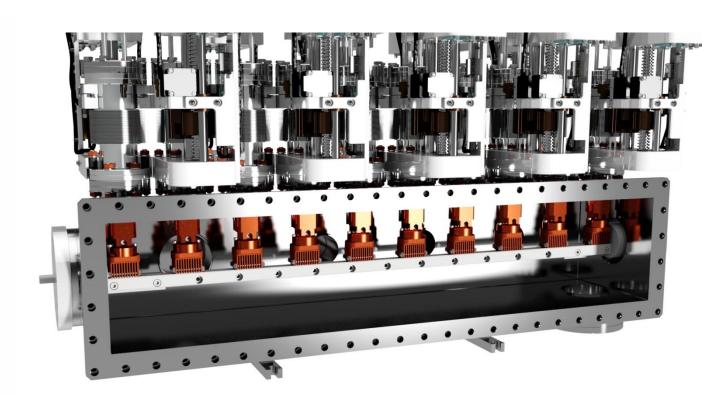


# The FXE instrument at the European XFEL



## Beryllium CRL's





- In 10 actuators holding up to 16 lenses each
- Water cooled
- **III** Positioned in X-Y plane with 1 μm accuracy
- 5 axis of external positioning

### **Solid Attenuator**



#### Collaboration between









#### Von Hamos Spectrometer



- 16 curved Si crystals
- Individually positioned with <15 µrad accuracy
- 3 actuators per crystal
- 48 motors in total

