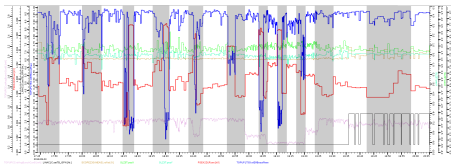


## Further development of the running ML-projects already introduced at AMALEA:

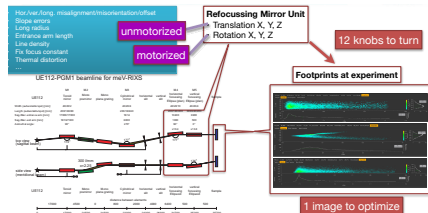
At the accelerator side:

- Prediction and anomaly detection for accelerator measurements
- RL agents for **injection efficiency**/booster current optimization, orbit correction...



At the beamline side:

- Beamline **focus optimization**: direct and inverse problem with supervised/RL tools



## Future plans:

- AMALEA-based **PhD position**: reformulation with BESSY III in perspective
- Sharing experiences for our further steps towards the **digital twin**

