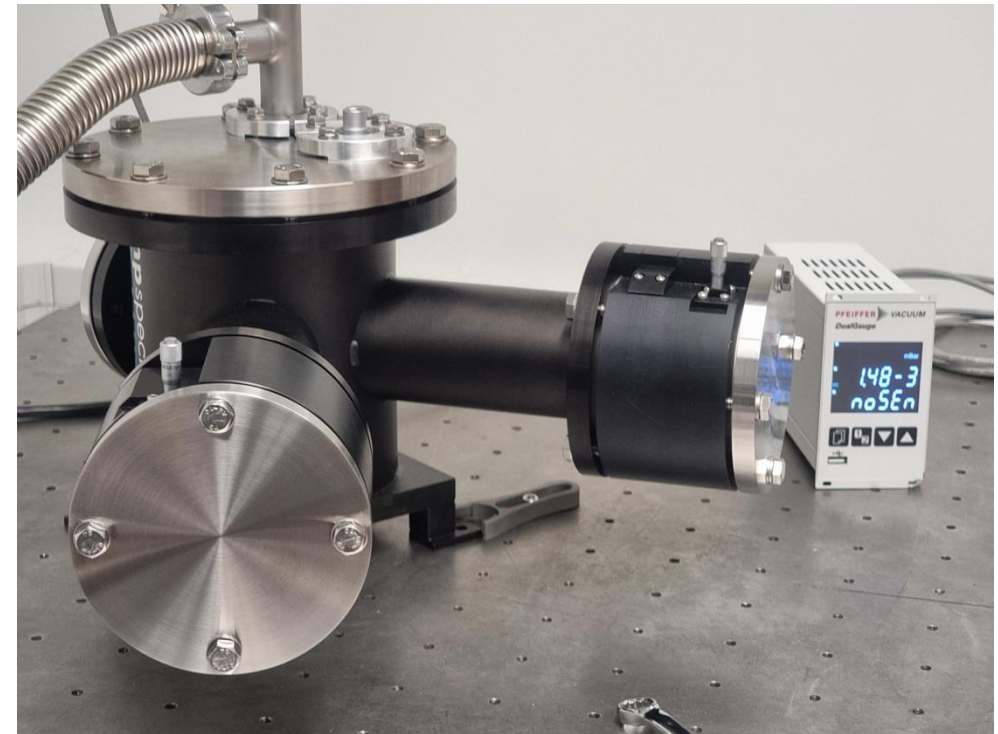
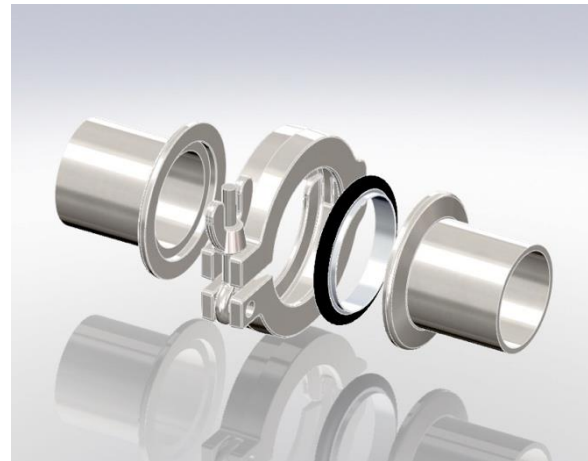
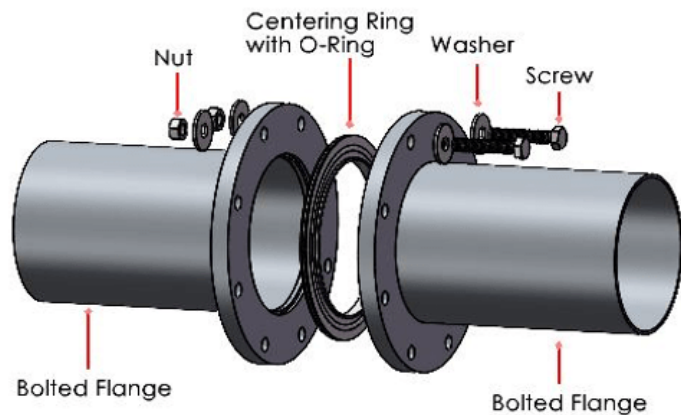


Project update 03/06/26

Mathias Zurbriggen

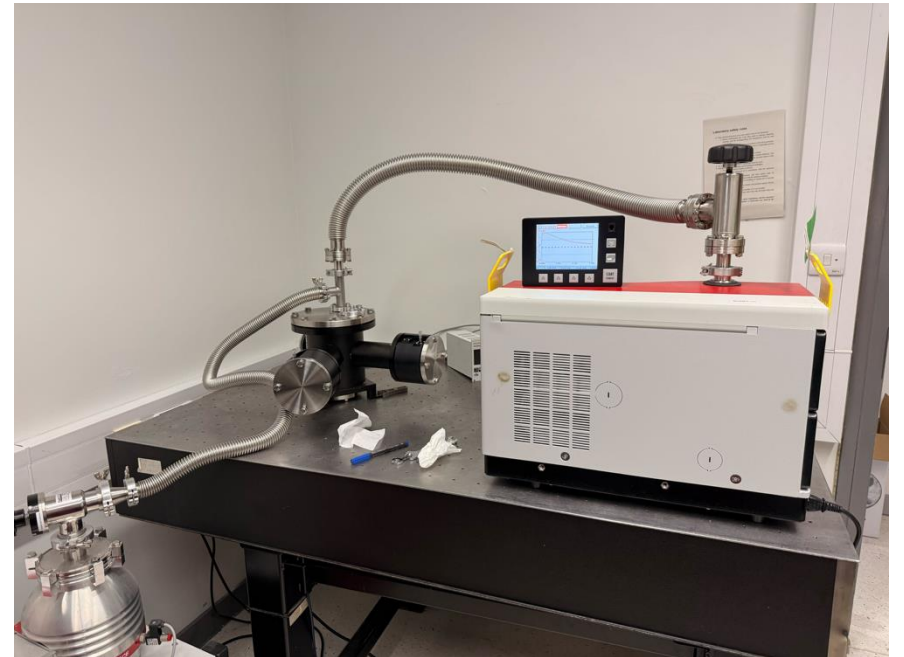
Monochromator update

- Optical grating taken off and kept safe for vacuum tests
- Initial vacuum pump test: A mere 10^{-3} mbar
- Initial leak tests showed many leaks
 - All ISO-K and some KF flanges



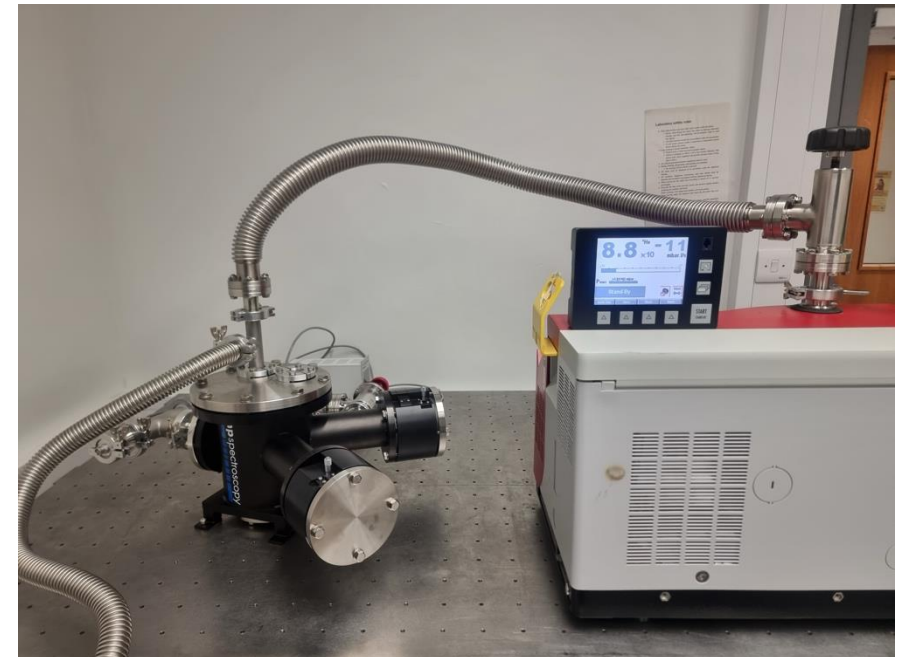
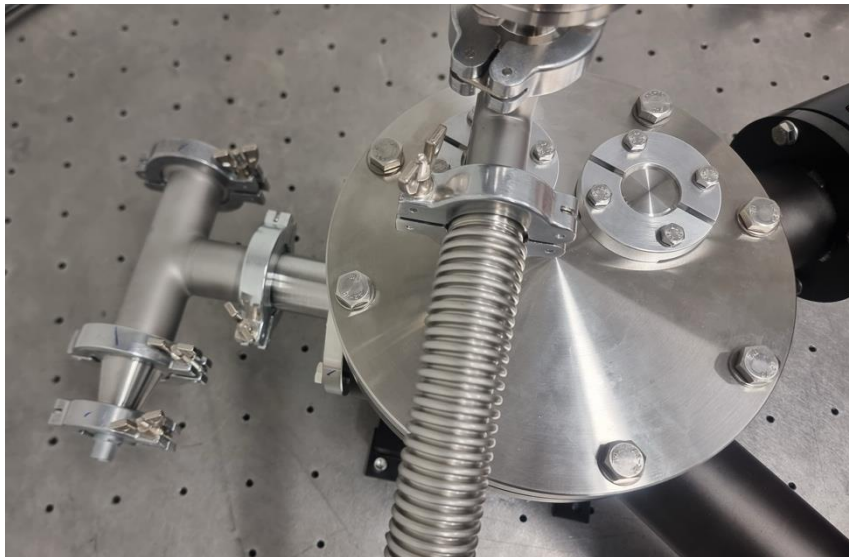
Monochromator update

- Ordered and using lint-free wipes to clean vacuum seals
 - Eliminated leaks from most KF seals
- Using vacuum grease for some seals
 - Eliminated leak from large ISO-K



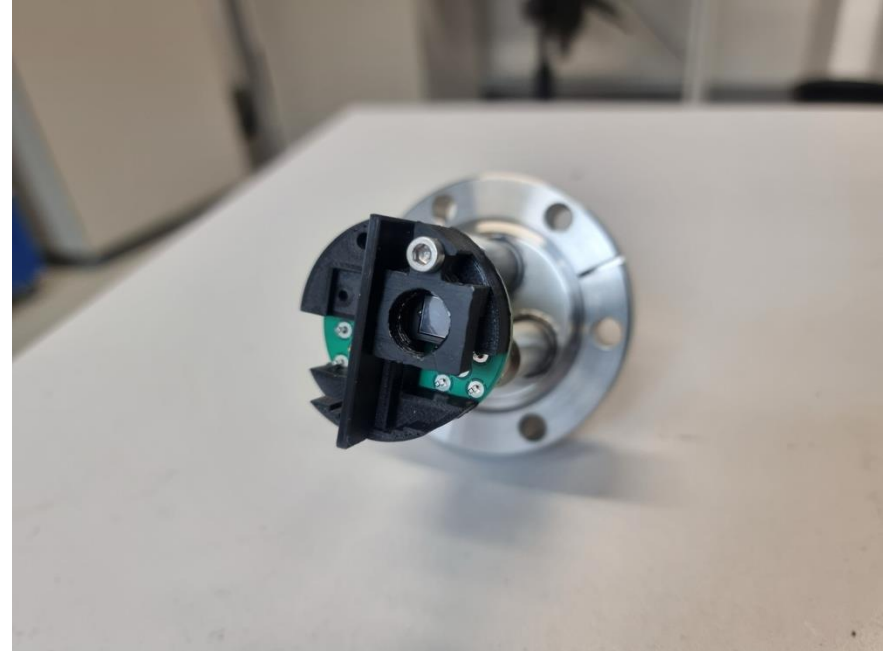
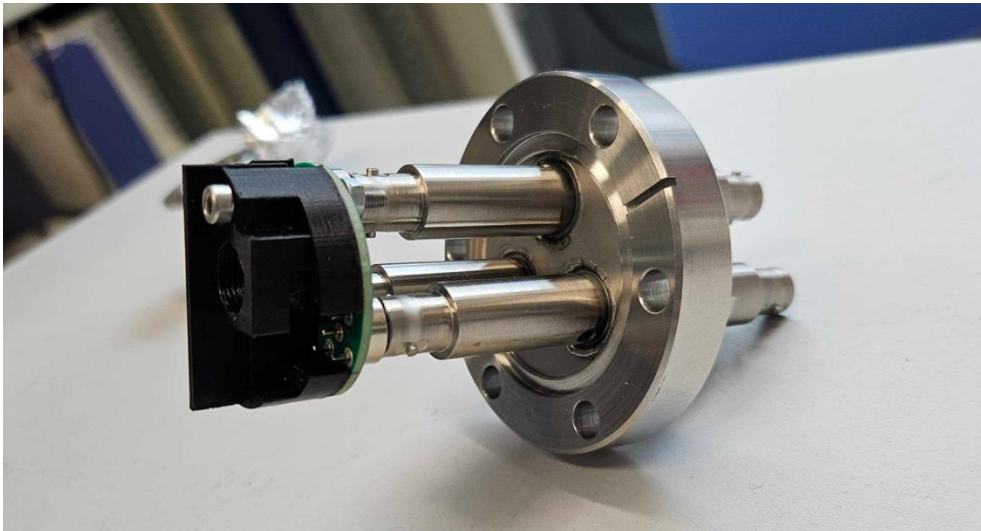
Monochromator update

- Helium cylinder moved to dark room
- Wire feedthrough relocated
- All seals cleaned but some still leaking
- Need to add vacuum grease to those



Flashlamp update

- Pcb has arrived with the right dimensions
- Needs to be assembled and tested
- One Digikey order missing



Flashlamp update

- Small windows have arrived
- Assembly to be tested



Coating:	Uncoated
Index of Refraction (n_d):	1.377
Abbe Number (v_d):	106.22
Surface Flatness (P-V):	$\lambda/2$
Substrate: ①	Magnesium Fluoride (MgF_2)
Surface Quality:	40-20
Wavelength Range (nm):	120 - 7000

