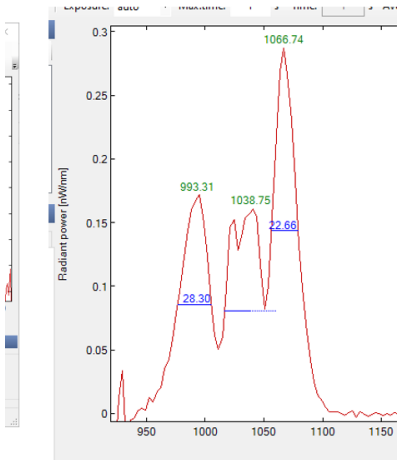


First Stage

Experimental Data of First Stage:

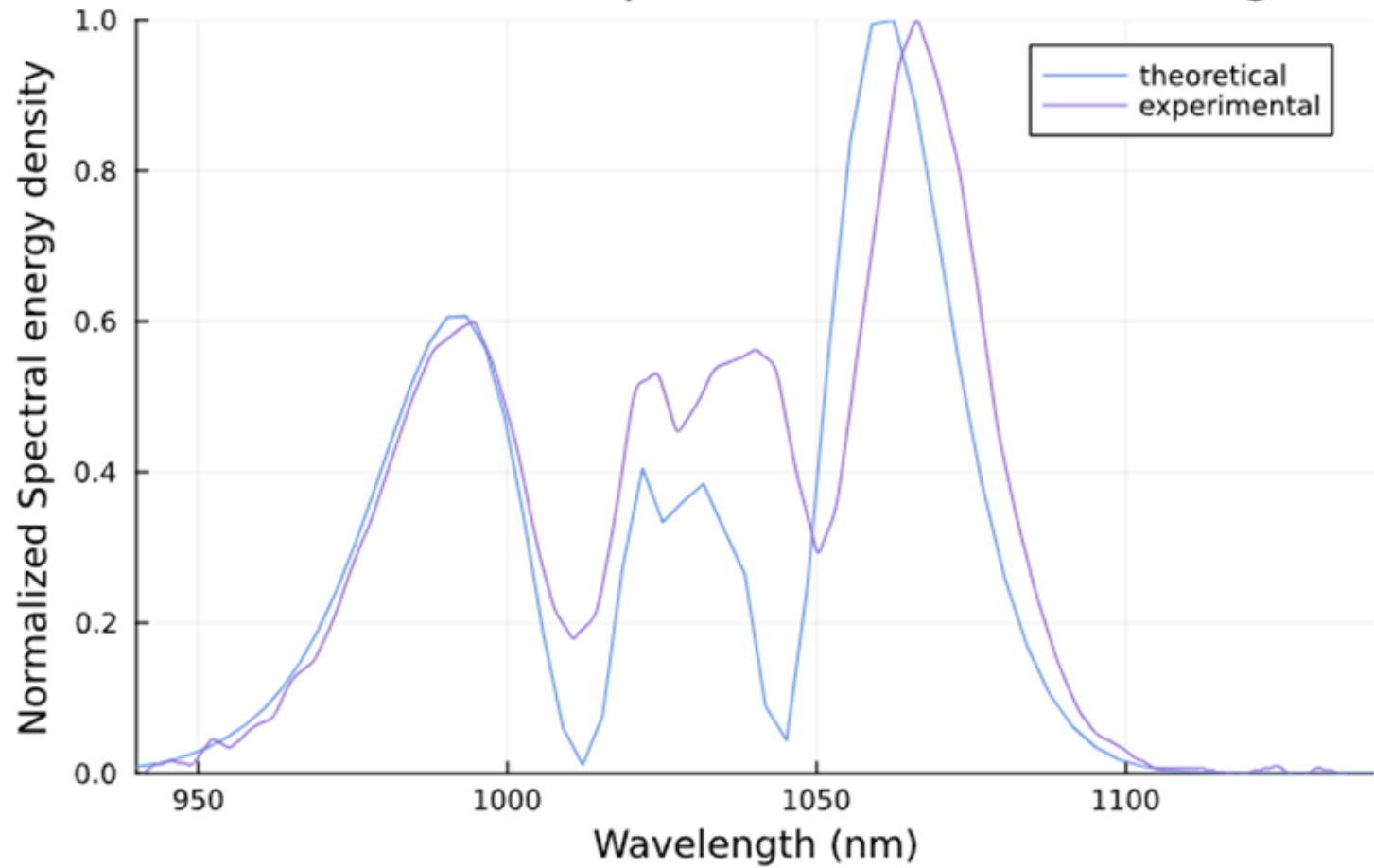
6/21 Optimized first stage near perfect mode elip - 0.99

152.4mW output first stage



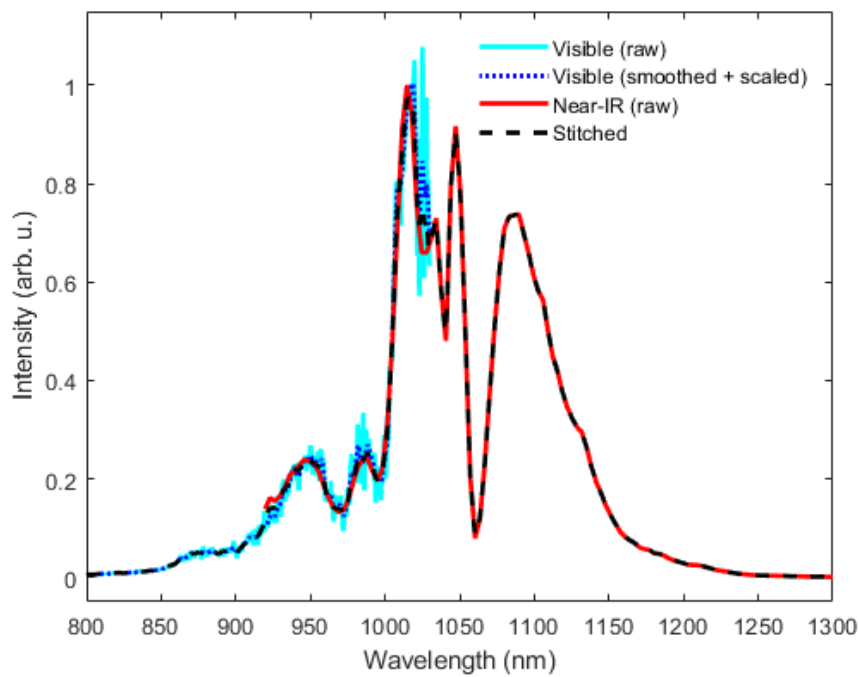
Theoretical overlapped with experimental after 1st stage fiber (before compression) 2.7bar Kr, energy 350uJ

Theoretical vs Experimental: After First Stage

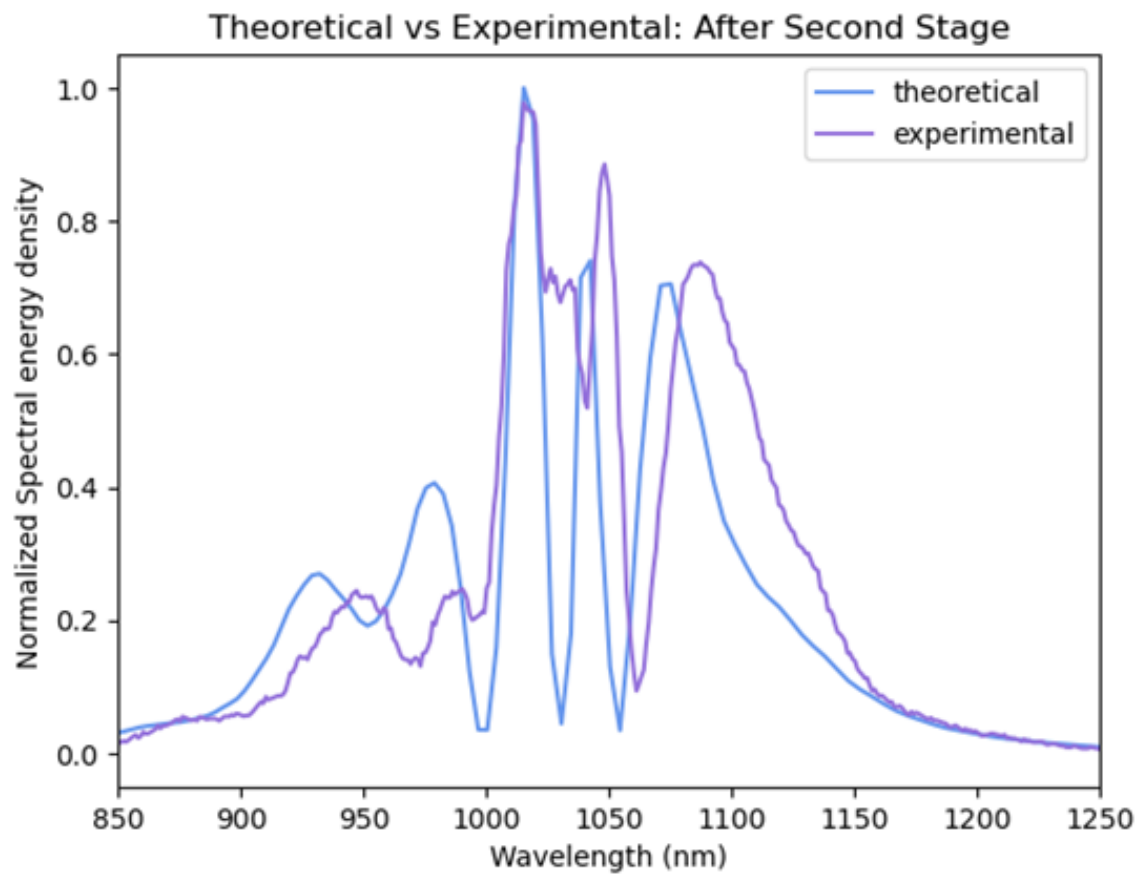


Second Stage

Experimental Data of Second Stage (stitched)

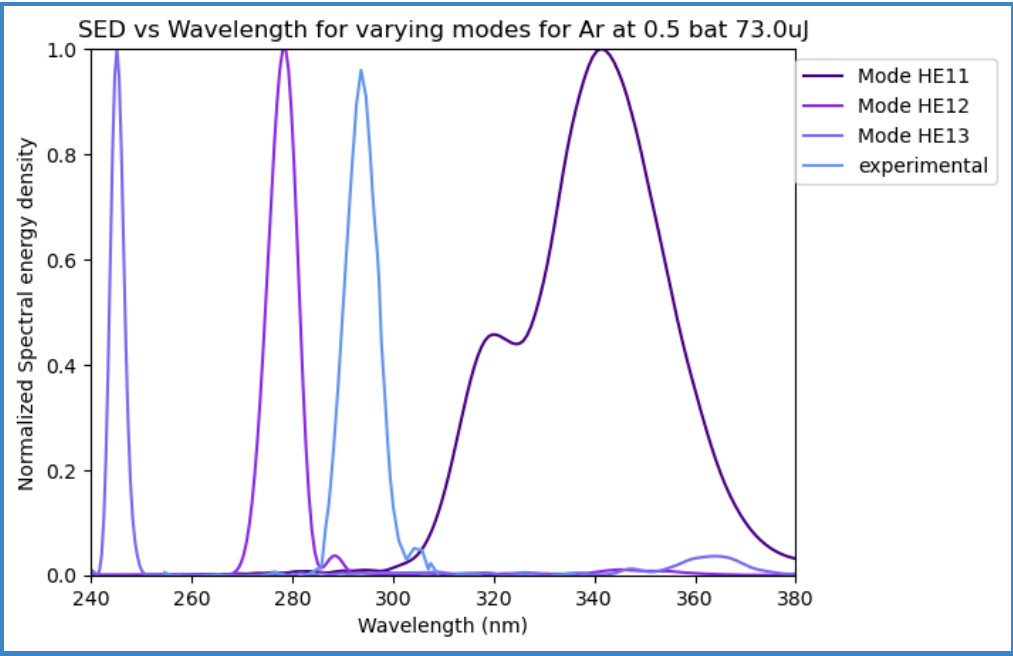
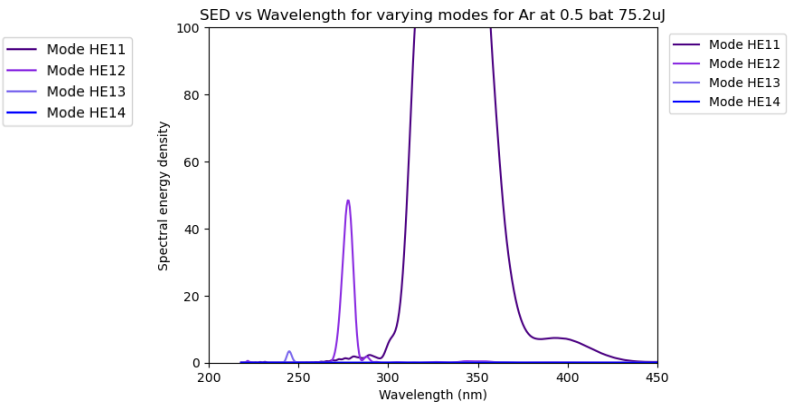
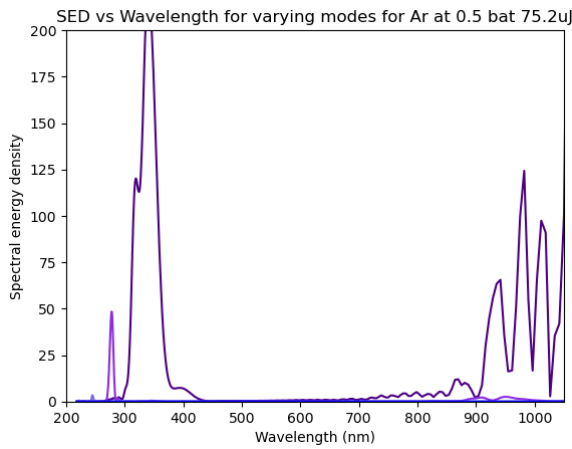
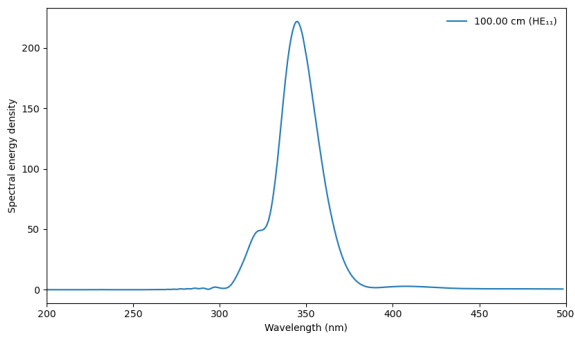
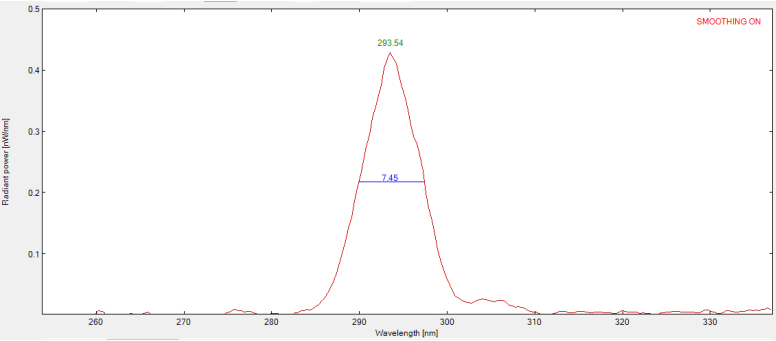


Theoretical overlapped with experimental after 2nd stage fiber (before compression) 0.4bar Ar, energy 280uJ



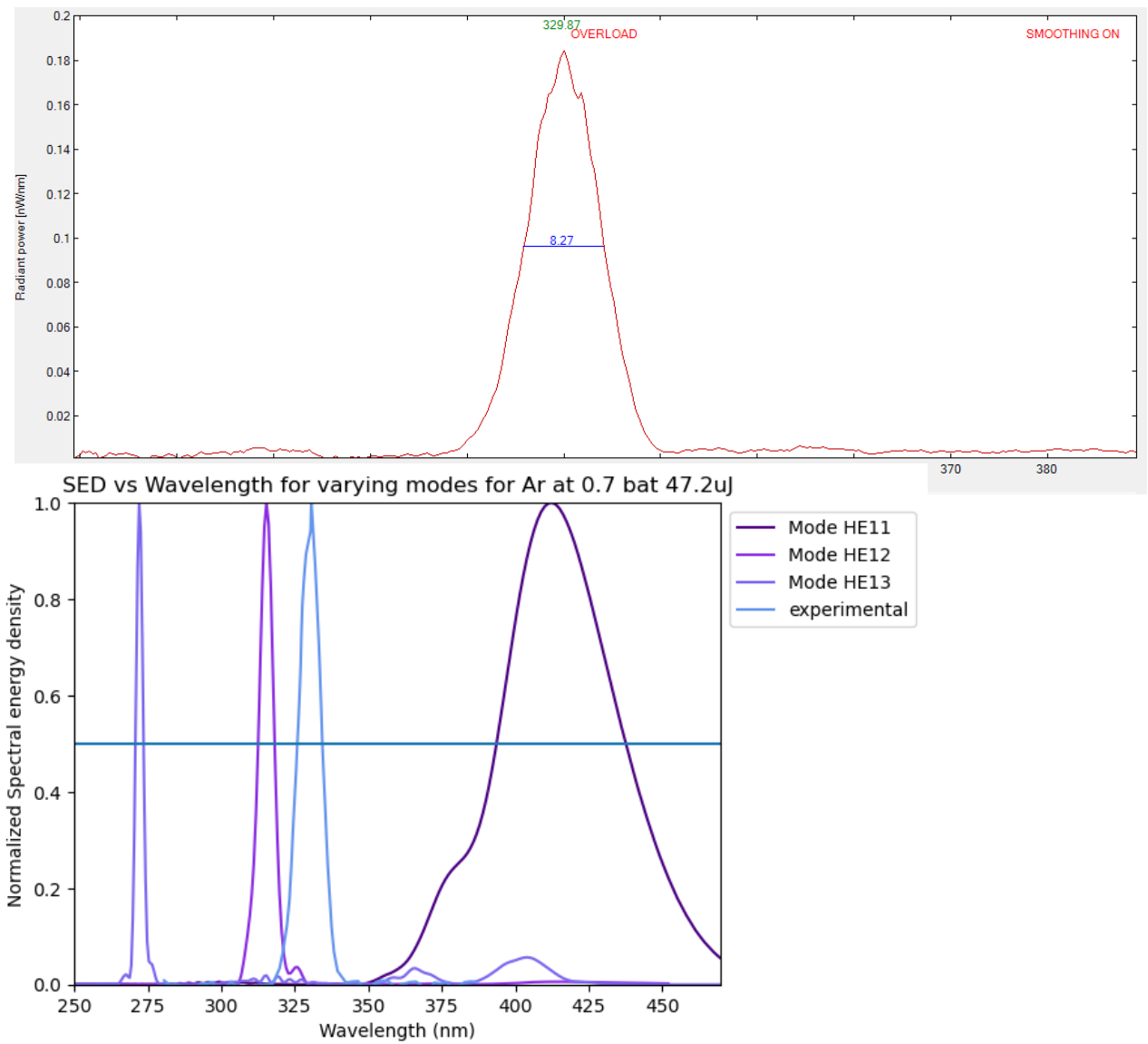
Experimental RDW emission from 7/17

1st Stage: Krypton at 2.7 bar 350uJ; 2nd Stage: Argon at 0.4 bar 280uJ; 3rd Stage: Argon at 0.5 bar 36.5mW



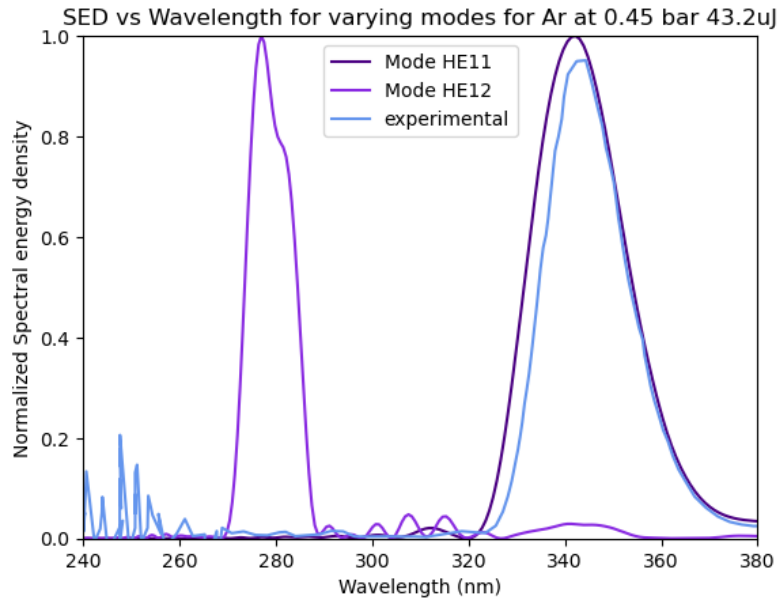
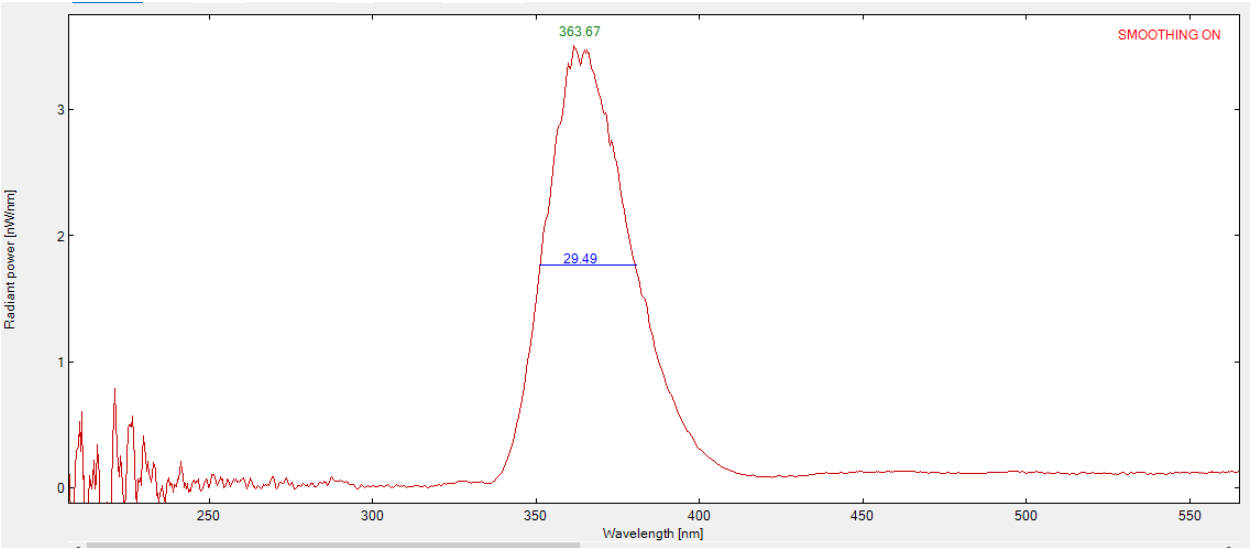
Experimental RDW emission from 7/17

1st Stage: Krypton at 2.7 bar 350uJ; 2nd Stage: Argon at 0.4 bar 280uJ; 3rd Stage: Argon at 0.7 bar 23.6mW



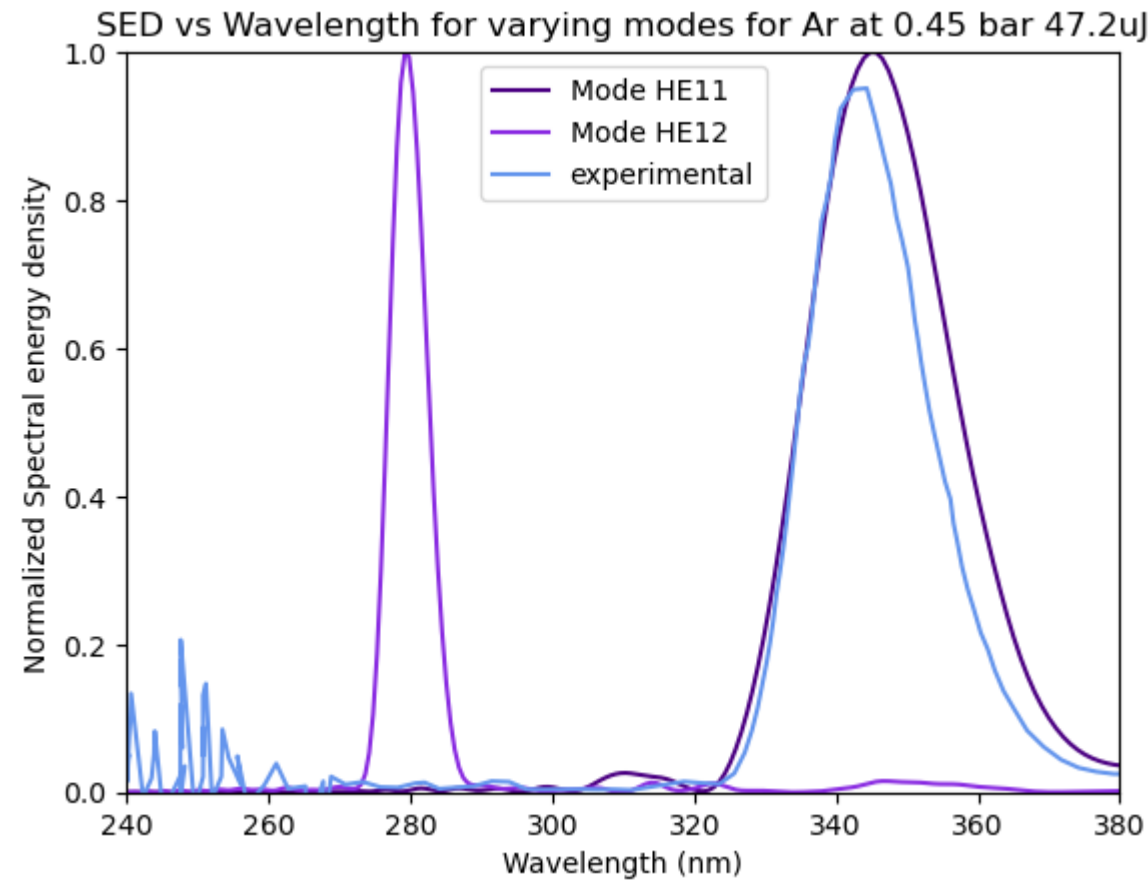
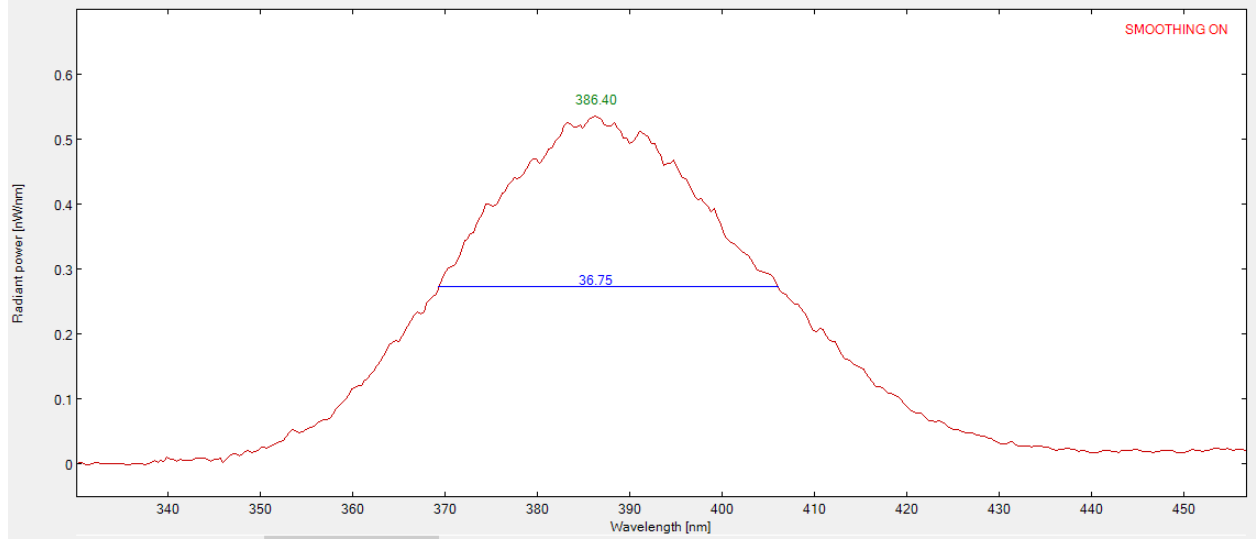
From 7/21/23

2nd stage Pressure (bar)	3rd Stage Input Power (mW)	RDW Wavelength (nm)	FWHM spectra (nm)	Wedge Insertion (mm)	RDW Power (mW,%)
0.5	27	363.5	29.5	25.94 (min)	1, 3.8%



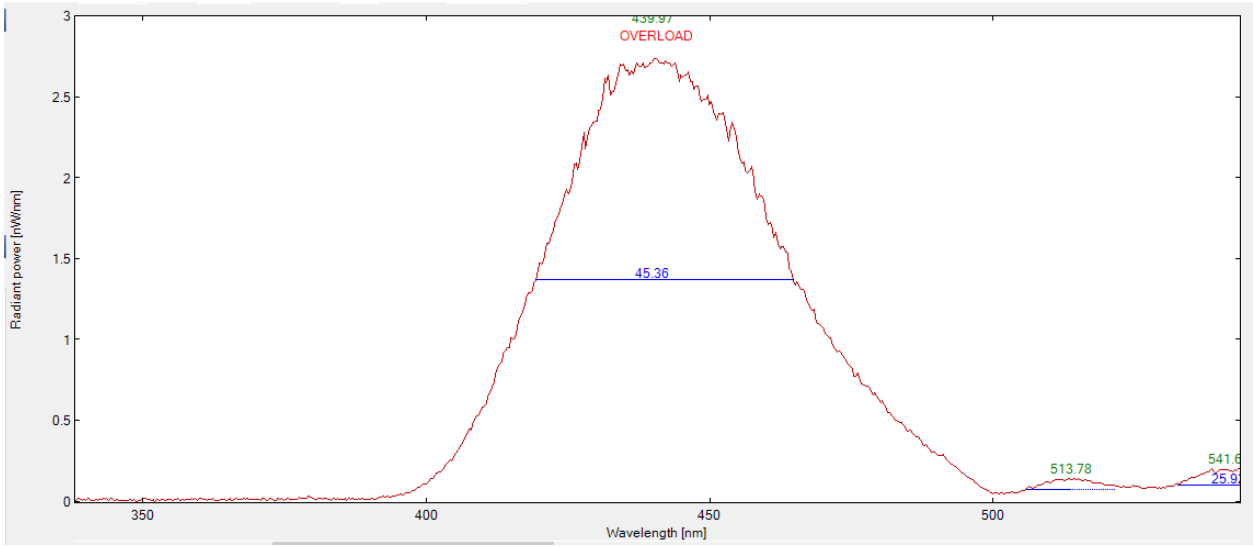
From 7/21/23

2nd stage Pressure (bar)	3rd Stage Input Power (mW)	RDW Wavelength (nm)	FWHM spectra (nm)	Wedge Insertion (mm)	RDW Power (mW,%)
0.6	23.6	371	29	22.29(min)	0.8, 3.4%

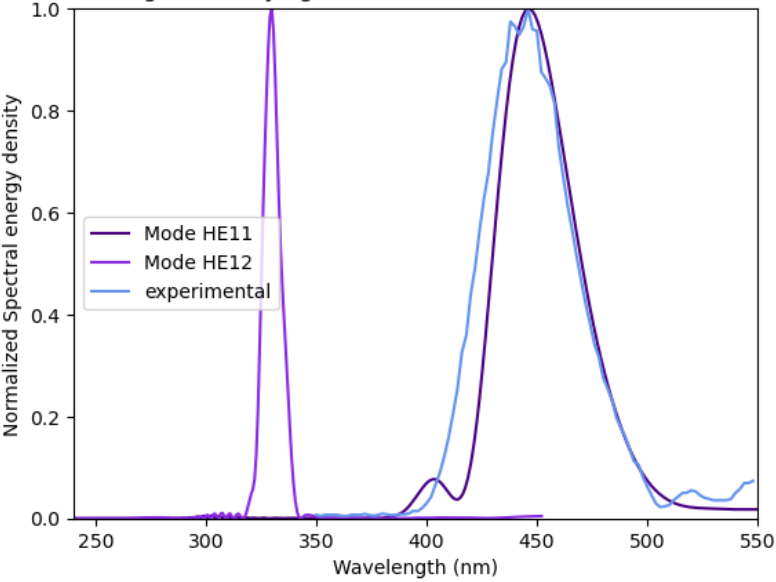


From 7/24

Found an RDW at ~435nm with 51nm FWHM,26.2mW; .5 Argon in 2nd stage



SED vs Wavelength for varying modes for Ar at 0.8 bar 31.440000000000005uJ



SED vs Wavelength for varying modes for Ar at 0.75 bar 28.82uJ

