

Lab Worksheet: Ion Lasers

Multiline Output

Current at which lines appear (using multiline optics):

Current (A)	Wavelength (nm)
	454.5
	457.9
	465.8
	472.7
	476.5
	488.0
	496.5
	501.7
	514.5
	528.7

Line output powers:

	Low Current (_____ A)	High Current (_____ A)
488.0 nm		
514.5 nm		

Single Line Output

Threshold current at which lines appear (using a wavelength selector):

Current (A)	Wavelength (nm)
	454.5
	457.9
	465.8
	472.7
	476.5
	488.0
	496.5
	501.7
	514.5
	528.7