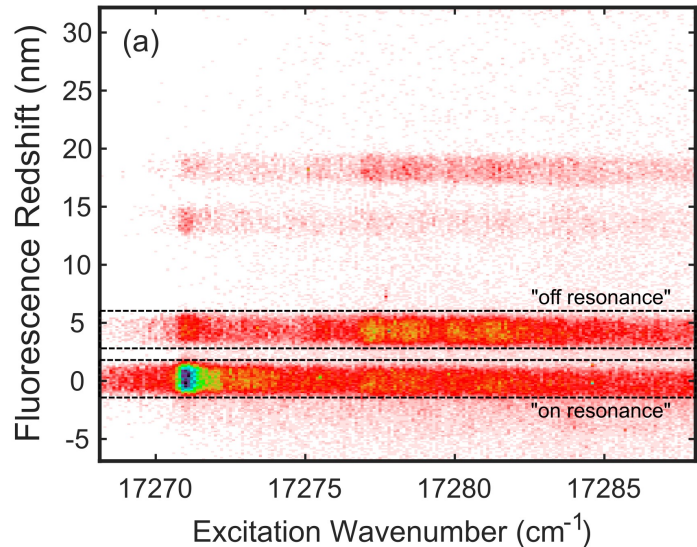
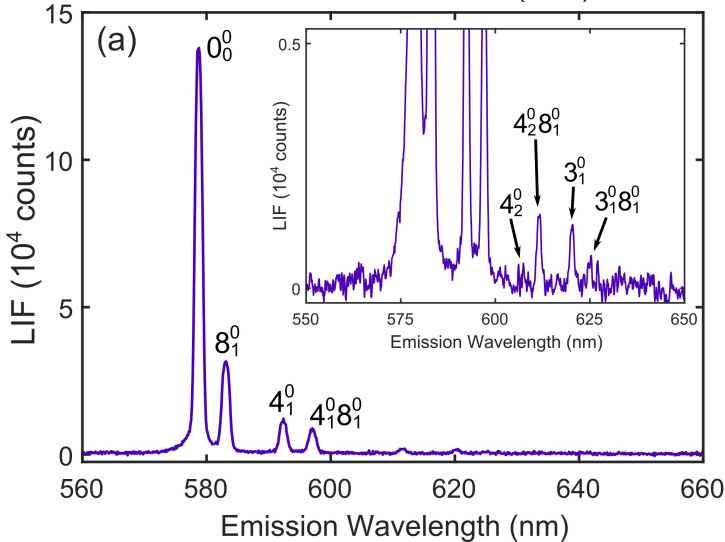


P5327: OBSERVATION AND LASER SPECTROSCOPY OF YTTERBIUM MONOMETHOXIDE, YBOCH₃

Benjamin L. Augenbraun, Timothy C. Steimle, Zack Lasner, Alexander Frenett, Hiromitsu Sawaoka, Anh T. Le, and John M. Doyle. Harvard University and Arizona State University



Mode	YbOCH ₃ (meas.)	YbOCH ₃ (calc.)
ν_3	1151	1154
ν_4	400	390
ν_8	130	134
$2\nu_8$	260	268
$\nu_4 + \nu_8$	533	524
$2\nu_4$	805	780
$2\nu_4 + \nu_8$	933	914
$\nu_4 + 2\nu_8$	-	658
$\nu_3 + \nu_8$	1287	1288
$3\nu_4$	1197	1170
$4\nu_4$	1576	1560
$5\nu_4$	1972	1950



	VBR	FCF
0_0	0.729	0.7184
8_1	0.164	0.1653
4_1	0.054	0.0566
4_18_1	0.038	0.0413
4_2	9.89×10^{-4}	1.1×10^{-3}
4_28_1	6.8×10^{-3}	7.9×10^{-3}
3_1	5.49×10^{-3}	6.7×10^{-3}
3_18_1	2.13×10^{-3}	2.65×10^{-3}

