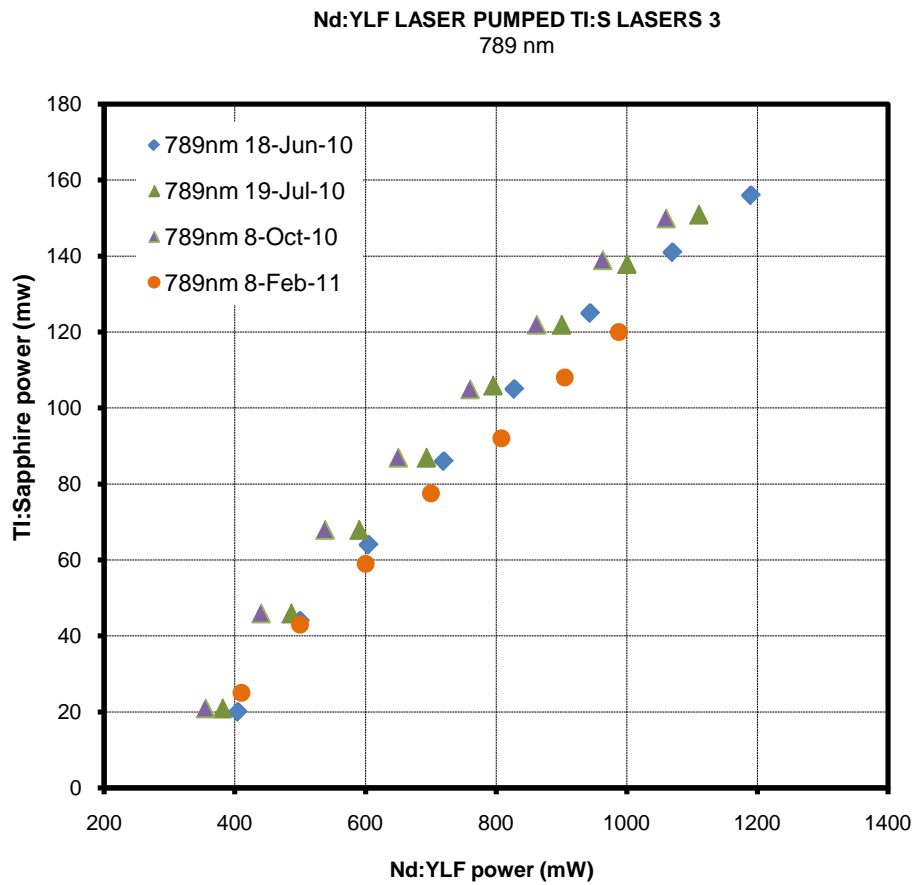
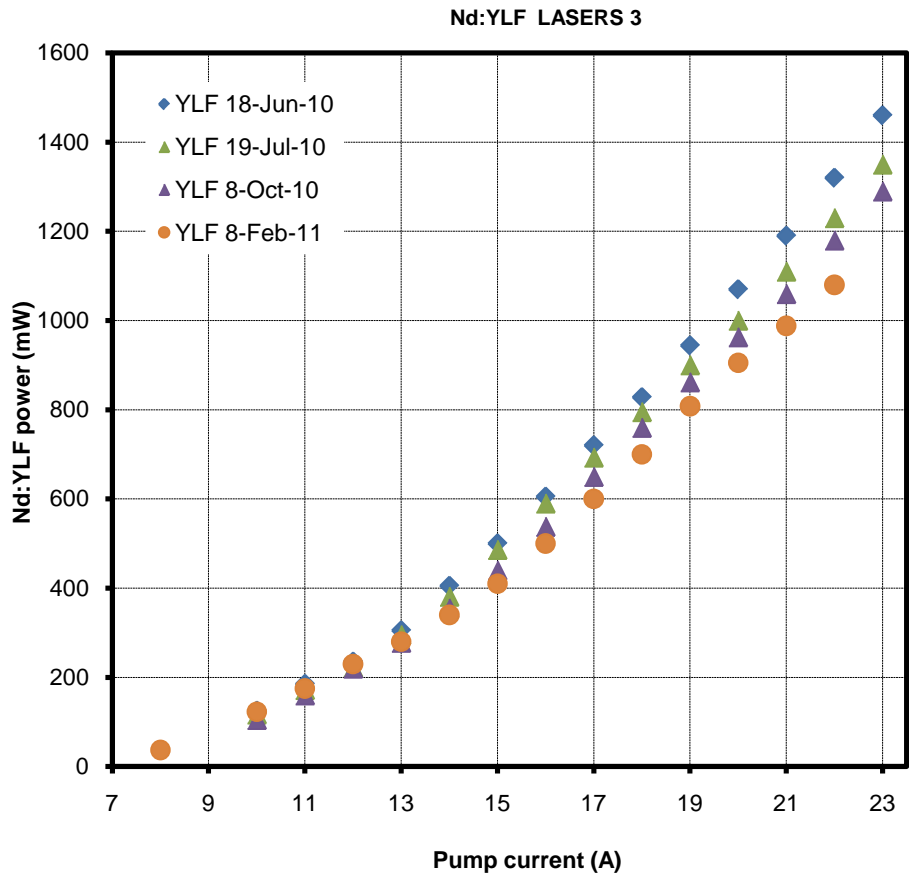


# Laser3

## New YLF chamber ETH=23611 Hrs



Current A	YLF 7-Feb-11	789nm 7-Feb-11	YLF 8-Feb-11	789nm 8-Feb-11
7				
8			37	
9				
10			123	
11			175	
12	220		230	
13			280	
14	340		340	
15	390	21	410	25
16	475	40	500	43
17	567	55	600	59
18	678	71	700	77.5
19	780	85	808	92
20	876	100	905	108
21	950	110	988	120
22	1040	130	1080	
23				

### YLF3: tuning new YLF chamber

#### 1) Without LBO, 12% Transmission mirror power (W)

10	1.84
15	8.7
20	17
25	20.7

#### 2) Qmode 1KHz hold off ok (RF ON, PRF OFF) power (W)

10	0.64
15	1.9
20	3.4
25	6.6

#### 3) LBO, CW power (check insertion loss) power (W)

10	1.6
15	7.7

### TiS3: tuning

#### 1) No Poco Cell, no 1/4 waveplate

17A	81
18A	108
19A	118
20A	135
21A	152

#### 2) + PocoCell (No HV)

19A	90
20A	107
21A	116

#### 3) Check hold off: always lasing even if NO trigger for Qswitch

If I rotate the 1/4 waveplate to have no lasing --> power very lower with trigger