

PLANNING OF THE EUROPHOTONICS LAB PROJECTS IN M1 S2

Projects

+1 or 2 glasses for the teachers

TP1 - YAG LASERS
2x

ECM setup: Build an Nd:YAG laser and do Q-switching
Leybold setup: Build an Nd:YAG laser and intracavity SHG

needs YAG protection glasses
needs YAG protection glasses

TP2 - Laser diodes
2x

Thorlabs setup: Laser diode wavelength change
Leybold setup: Laser diode (IR) for angular measurements

needs YAG protection glasses

TP3 - Modulation
2x

Electro-optic modulation
Acousto-optic modulation

needs HeNe protection glasses
needs HeNe protection glasses

TP4 - Imaging systems
2x

Optical design of zoom objective
Electromagnetic simu in Matlab: diffusion through a lens

	Plan / proj. number						nb YAG protection glasses needed
		Session	Groups				
			1 (2p)	2 (2p)	3 (3p)	4 (2p)	
holographie eviter modulation acoust Pharo eviter simulation	11-févr	1	Modul.	DL	Simul	Modul.	3
	18-févr	2	Modul.	DL	Simul	Modul.	
	03-mars	3	Simul	Simul	YAG	DL	6
	10-mars	4	Simul	Simul	YAG	DL	
	17-mars	5	YAG	Modul.	DL	Simul ailleurs?	6
	31-mars	6	YAG	Modul.	DL	Simul	
Comsol Pharo eviter simulation acoust Pharo eviter simulation	07-avr	7	DL	YAG	Modul.	YAG	7
	28-avr	8	DL	YAG	Modul.	YAG	