

Initial Safety Info: Laser



LASER CHARACTERISTICS

MAKE: Quantronix

MODEL: Proteus Ti: Sapphire SERIAL NO: 16

CERN REGISTRATION REFERENCE: 506 TIS

LASER MEDIUM: CRYSTAL SEMICOND:

GAS: LIQUID:

HAZARDS, LASER MEDIUM: TOXIC:

FLAMMABLE:

BEAM DIAMETER: 1.6 mm DIVERGENCE / FOCUS DISTANCE: 0.7 mrad / 6 cm

WAVELENGTHS: 440 nm and 495 nm

AUTONOMOUS:

PUMPED: PUMPED BY: 527 DA Nd:YLF (see separate form)

D.C.: POWER: _____

PULSED: ENERGY / PULSE: 1 mJ

PULSE FREQUENCY: 100 Hz

PULSE DURATION: 40 ns

LASER CLASS: 4

APPLICATION

INSTALLED IN BUILDING: 887 ROOM: H4B MOBILE FIXED

UTILIZATION: Light Source for CMS PWO

Crystal Calorimeter Monitoring

INTERNAL BEAM: EXPOSED ENCLOSURE

EXTERNAL BEAM: EXPOSED ENCLOSURE

SAFETY MEASURES

INTERLOCKS: ON LASER COVER OVERRIDE

ON EXTERNAL BEAM COVER OVERRIDE

ON ROOM DOOR OVERRIDE

INTERNAL BEAM STOPPER: yes

EXTERNAL BEAM STOPPER: _____

FIRE PROOFING: _____

FIRE EXTINGUISHER: _____

SAFETY GOGGLES: yes

WARNING SIGNS: yes

OTHER SAFETY MEASURES: _____