

LASER REGISTRATION FORM

Name Date Laser ID (Leave Blank)

Fermilab Contact Person Phone Ext.

Laser Owner Other (enter name)

Expected Dates of Operation Start Stop

Intended Use(s) of Laser

Intended Use Location(s) Of Laser

Laser Specifications

Manufacturer Model

Serial Number FNAL Number Lasing Medium

Manufacturer Hazard Classification 3b 4

Wavelength(s) (λ) nm μ m mm Specify all wavelengths or range.

Emergent beam characteristics

Diameter (a) mm cm If not circular, specify dimensions

Divergence (ϕ) mrad $^\circ$

For continuous wave (CW) lasers

Radiant power (Φ) nW μ W mW W kW

Irradiance (E) μ W/cm² mW/cm² W/cm² kW/cm² μ W/mm² mW/mm² W/mm²

For pulse wave (PW) lasers

Radiant Energy (Q) μ J mJ J kJ

Radiant energy/pulse (H) μ J/cm² mJ/cm² J/cm² kJ/cm² μ J/mm² mJ/mm² J/mm²

Single pulse duration (t) ps ns μ s ms s Single pulse frequency (F) MHz Hz kHz MHz GHz

Bunch/Group duration (t) ps ns μ s ms s Bunch/Group frequency (F) MHz Hz kHz MHz GHz

For rotating beam lasers only

Rotation rate (S) rpm rps

Min eye-axis distance (r_{min}) cm in ft m

Copies to: LSO @ MS119, Division/Section ES&H Group, Fermilab Contact Person

FOR ES&H SECTION ONLY

Application Hazard Classification Optical Density

NSG Dual Use Yes No

Notes