

## neodymium laser

### Also contains definition of: YAG

A CW pulsed laser emitting radiation from excited  $\text{Nd}^{3+}$  principally occurring around  $1.06\ \mu\text{m}$  (the precise position depends on the matrix). The  $\text{Nd}^{3+}$  is present as a dopant in suitable crystals (e.g. yttrium–aluminium garnet, YAG) or in suitable glasses (phosphate, silicate, etc.).

**See:** solid-state lasers

### Source:

PAC, 1996, 68, 2223 (*Glossary of terms used in photochemistry (IUPAC Recommendations 1996)*) on page 2256