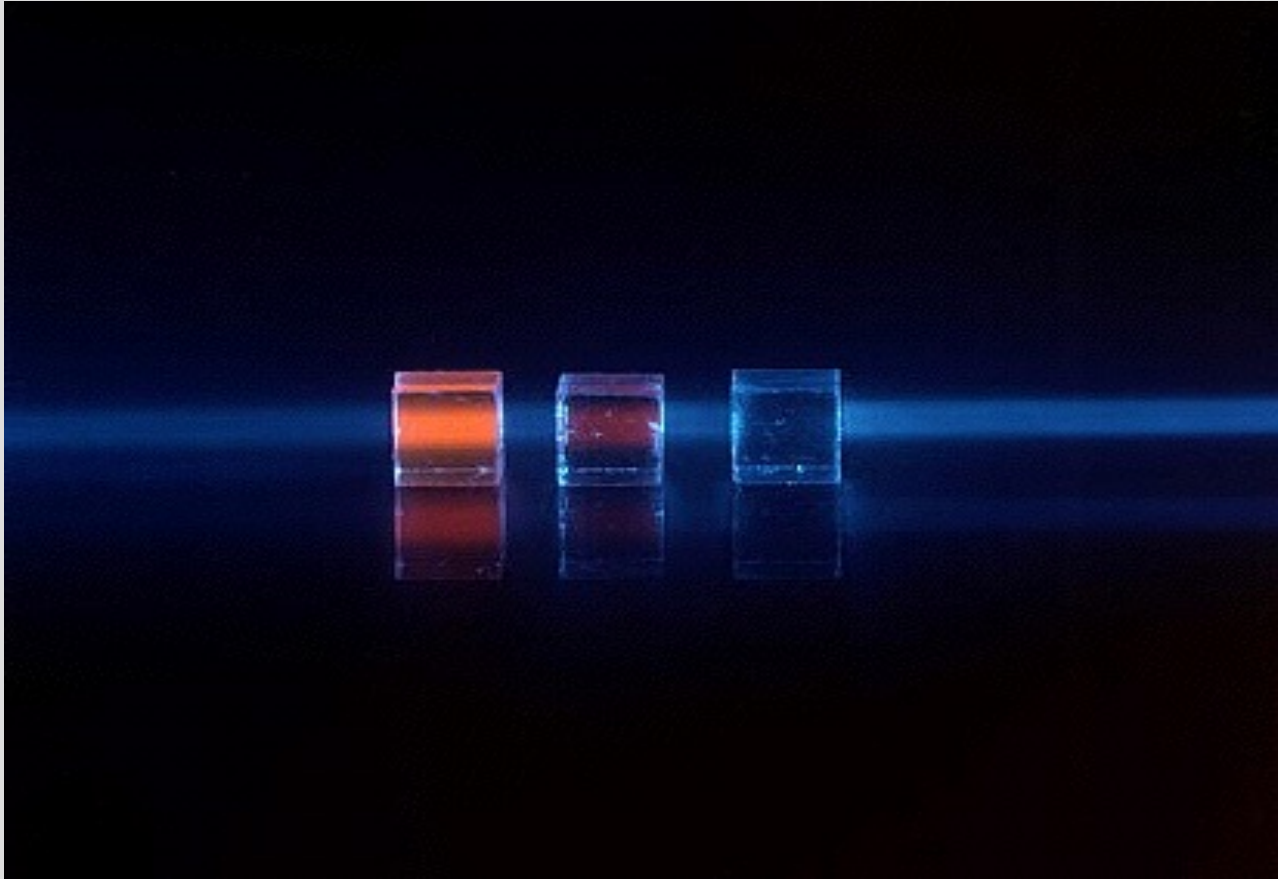
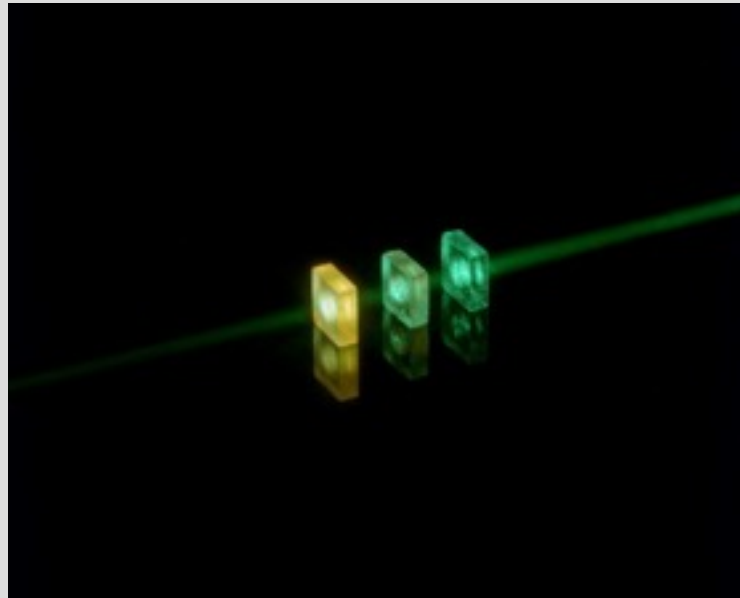


OSL Optical Phenomena



Optically Stimulated Luminescence is...

- ▶ Light stimulation of an irradiated crystal to produce luminescence.



- ▶ Luminescence is proportional to dose and amount of light stimulation.

Optical Specifications for Aluminum Oxide

- ▶ Excitation done at 532 nm (**green**) wavelength.
- ▶ Luminescence emission wavelength centered at 420 nm (**blue**) wavelength.
- ▶ Optical Filters block **green** and pass **blue**.
- ▶ Luminescence lifetime ~ 35 milliseconds.

OSL phosphor films useful in medicine and general radiography applications

