

Spontaneous Emission Characteristics

- Wavelengths spread over a range of several hundreds of Angstroms
- Peak wavelength at approximately bandedge wavelength
- Photons emitted more or less isotropically
- No fixed phase relationship between photons
- Generation of each photon is a spontaneous event unrelated to any other

Stimulated Emission

- Normally much less probable than spontaneous emission
- Concentrations of holes and electrons must be very large
- Must be an intense field of photons of the proper energy and direction of travel.

