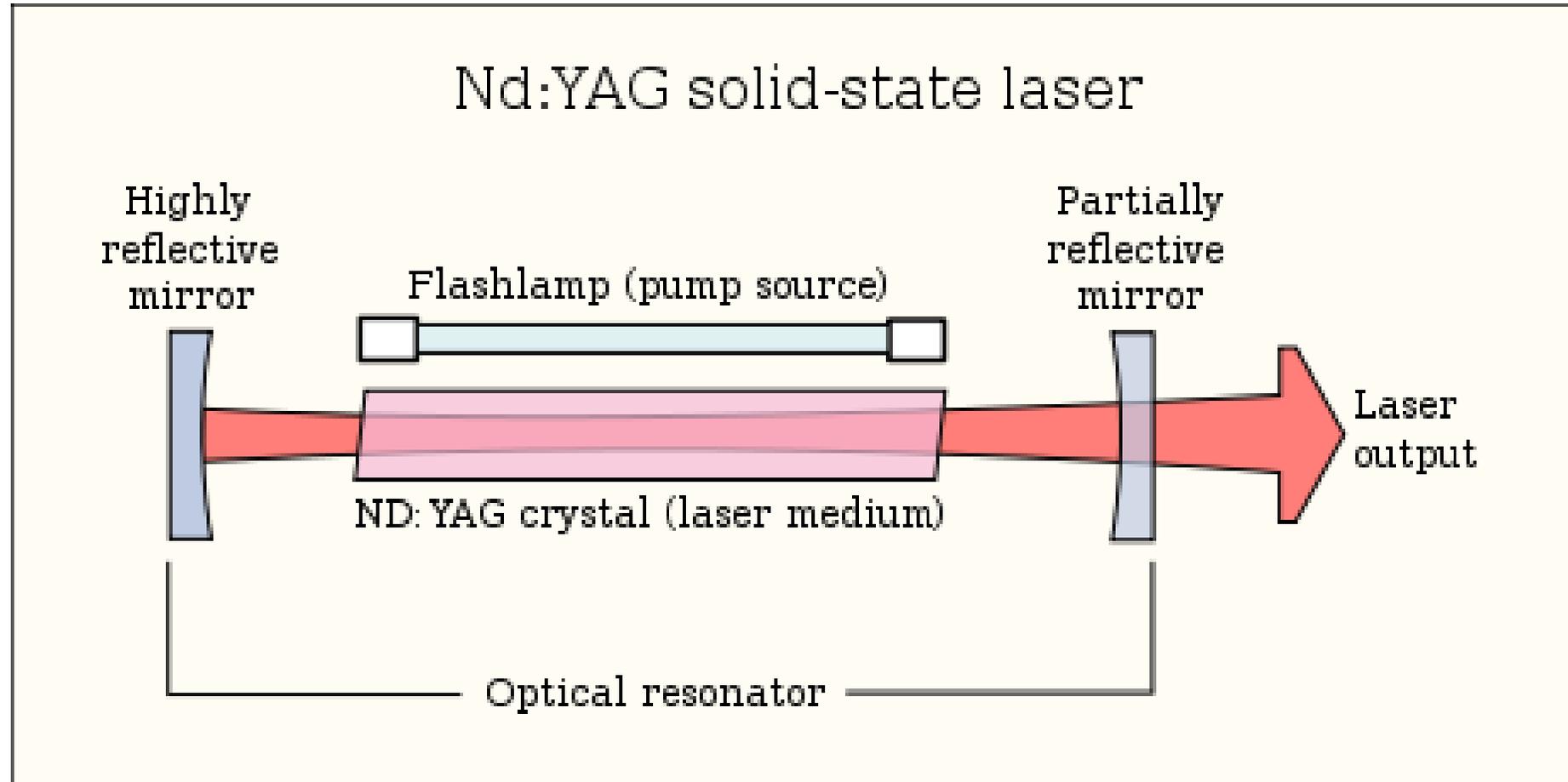
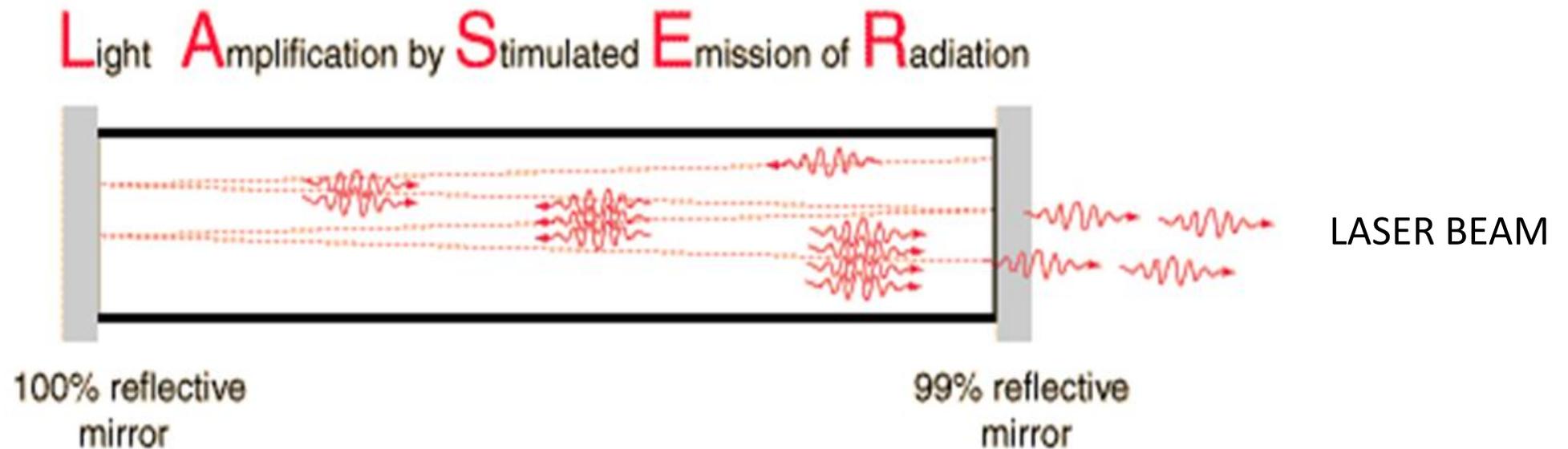


Construction Of LASER



Typical Example Of LASER

- Spontaneous emission triggers the stimulated emission which leads to avalanche. Ultimately it gives us the LASER beam:



Modes of LASER cavity

- Light confined in the cavity reflects multiple times producing standing waves for certain resonance frequencies.
- The standing wave patterns produced are called modes.
- Longitudinal modes differ only in frequency.
- Transverse modes differ for different frequencies and have different intensity patterns across the cross section of the beam.