

SISTEM KOMUNIKASI OPTIK

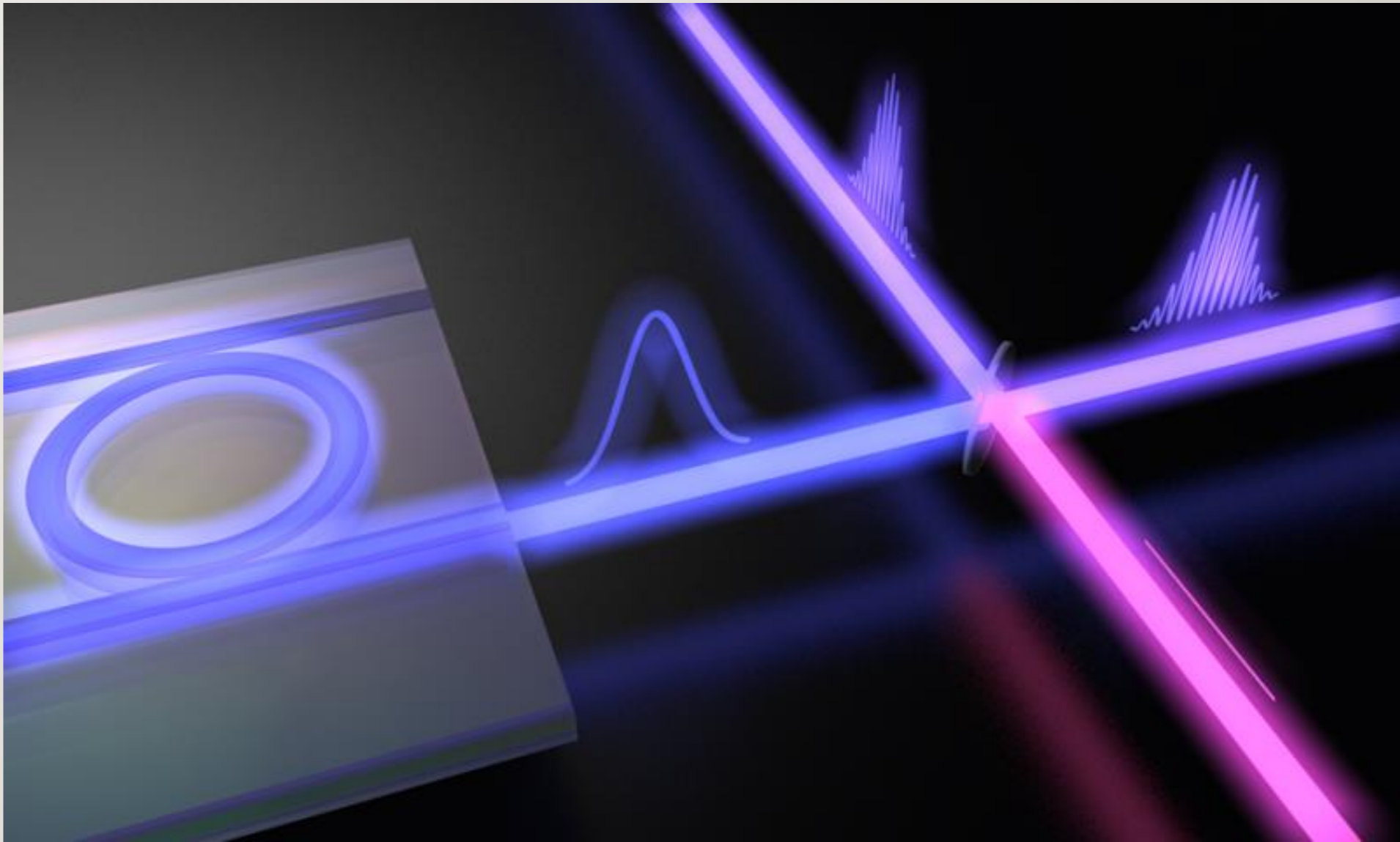
- **MATERI 6**
- **LASER I**



- D3 Teknologi Telekomunikasi – Fakultas Ilmu Terapan

LASER

(LIGHT AMPLIFICATION BY STIMULATED EMISSION OF RADIATION)



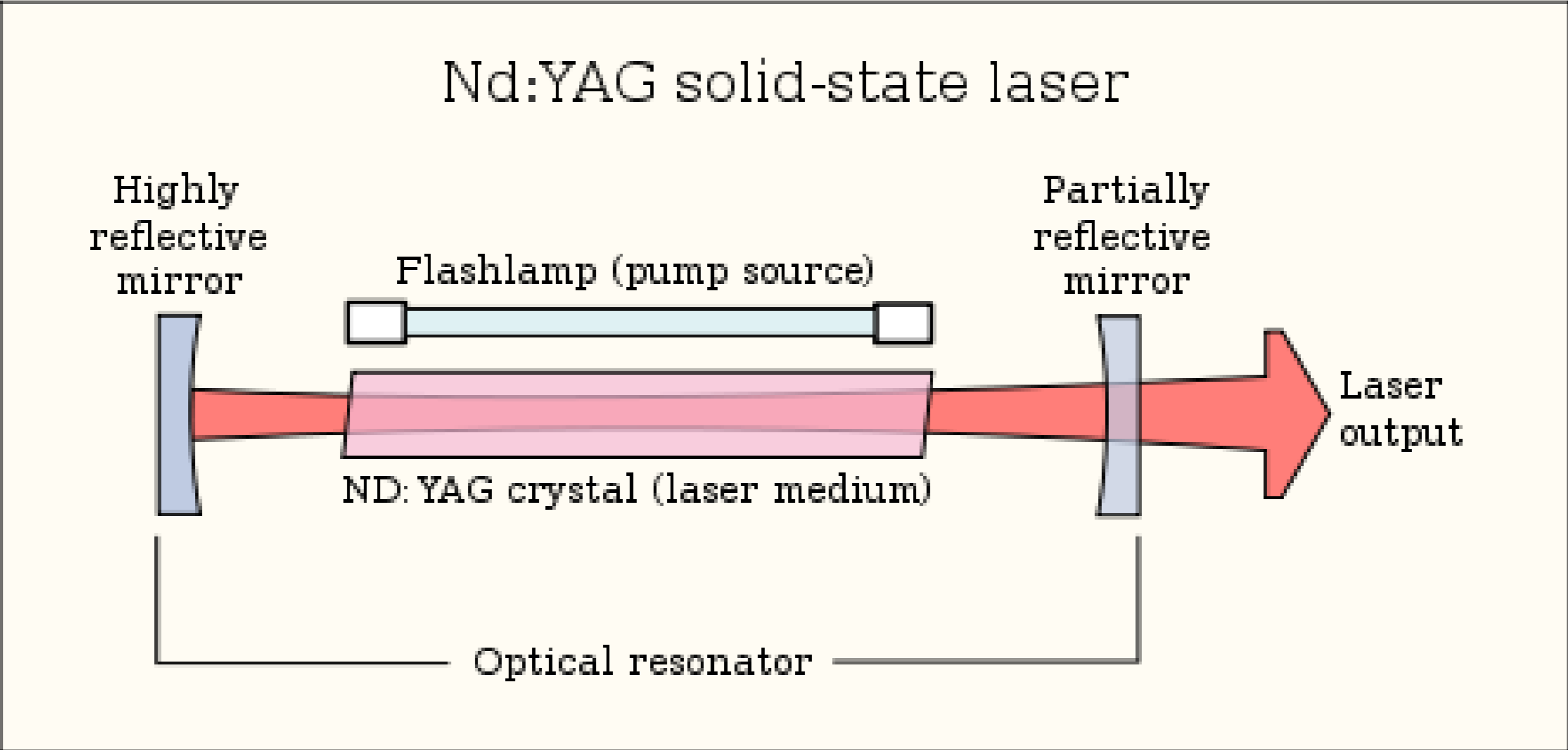
Sumber Referensi :

<https://www.ofsoptics.com/faq-guide-to-laser-optimized-fiber/>

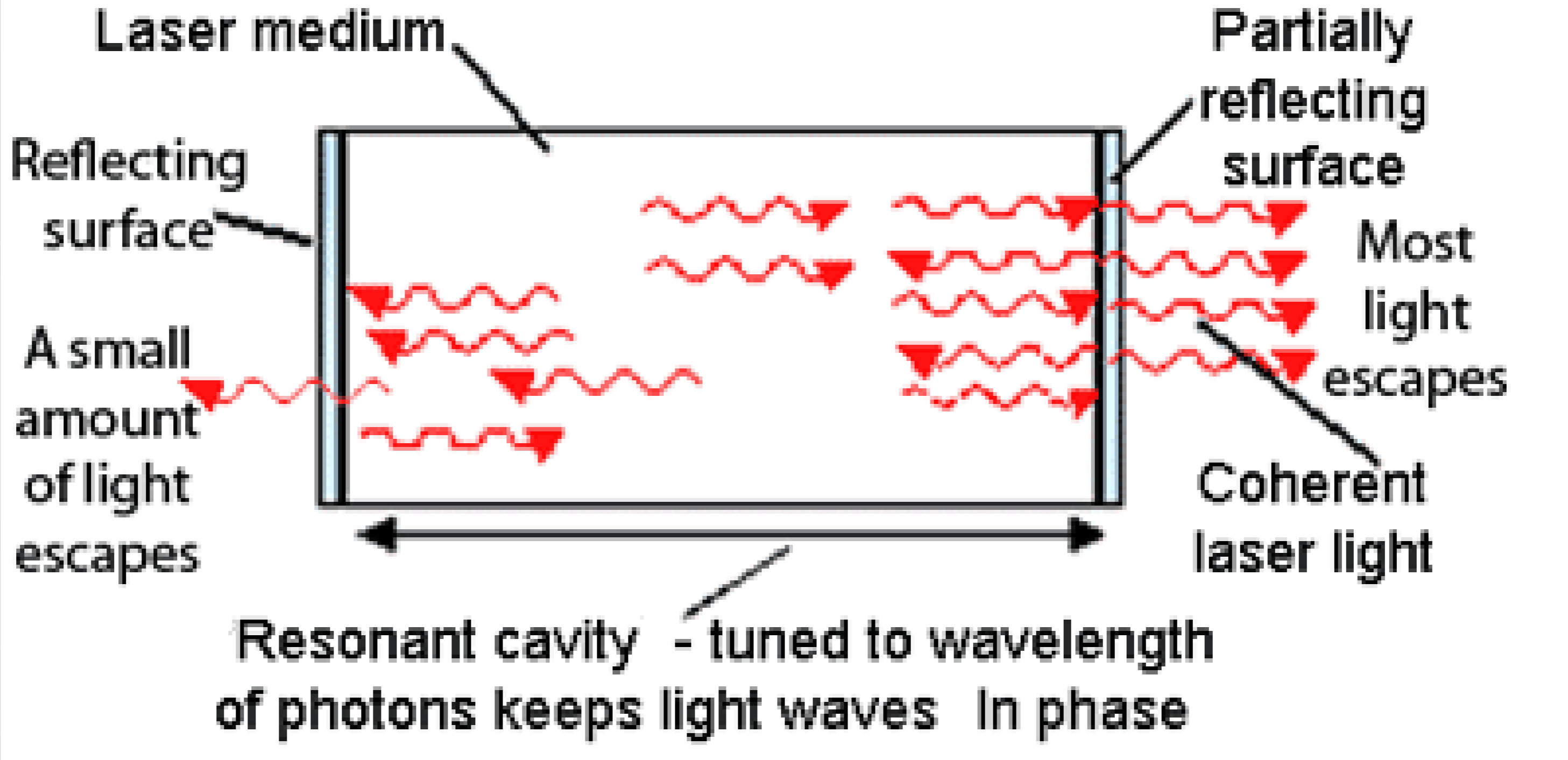
<https://phys.org/news/2017-01-optical-bandwidth-stable-pulsed-lasers.html>

Gerd, Keiser, 2010, *Optical Fiber Communications*, 4th edition, McGraw Hill, International Edition

KOMPONEN DASAR LASER

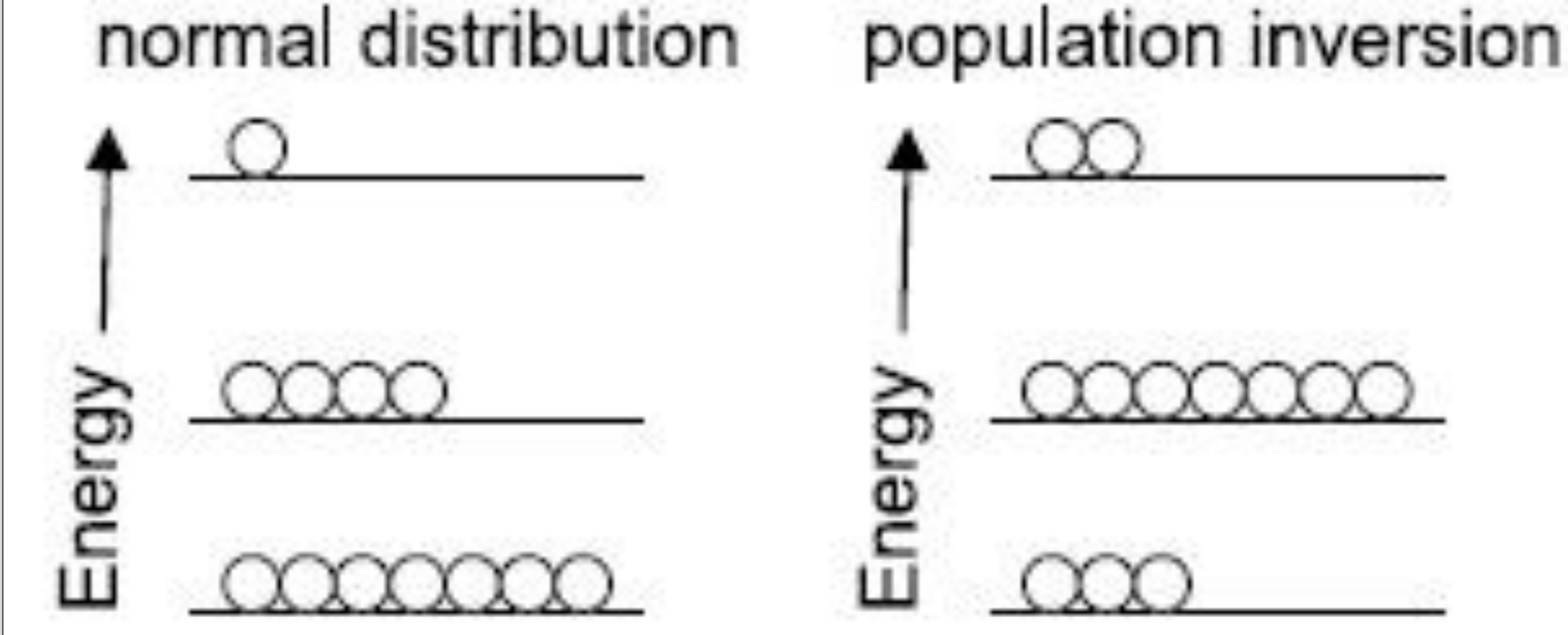


KOMPONEN DASAR LASER



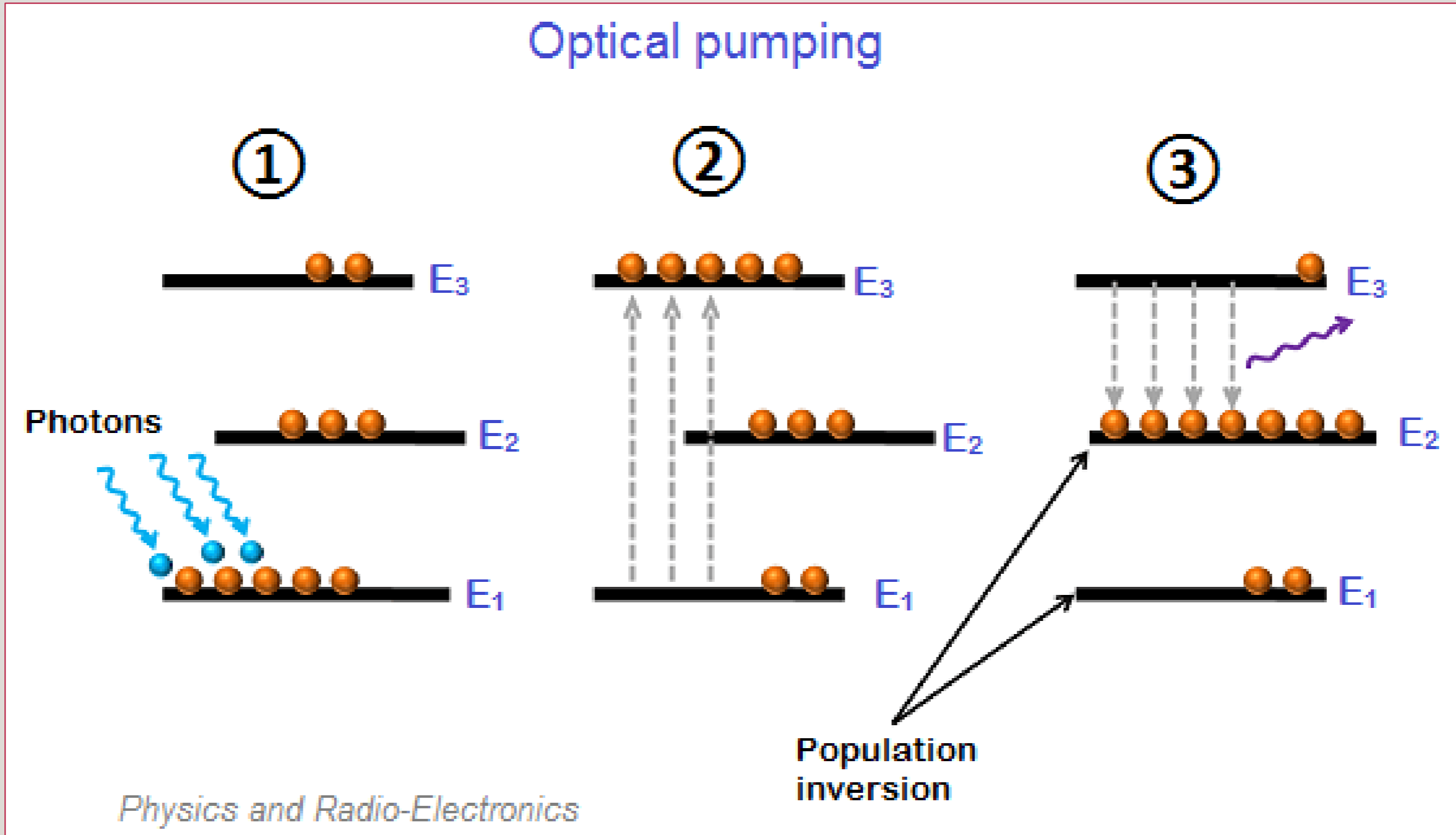
Gambar. Rongga Resonator pada LASER

POPULASI INVERSI



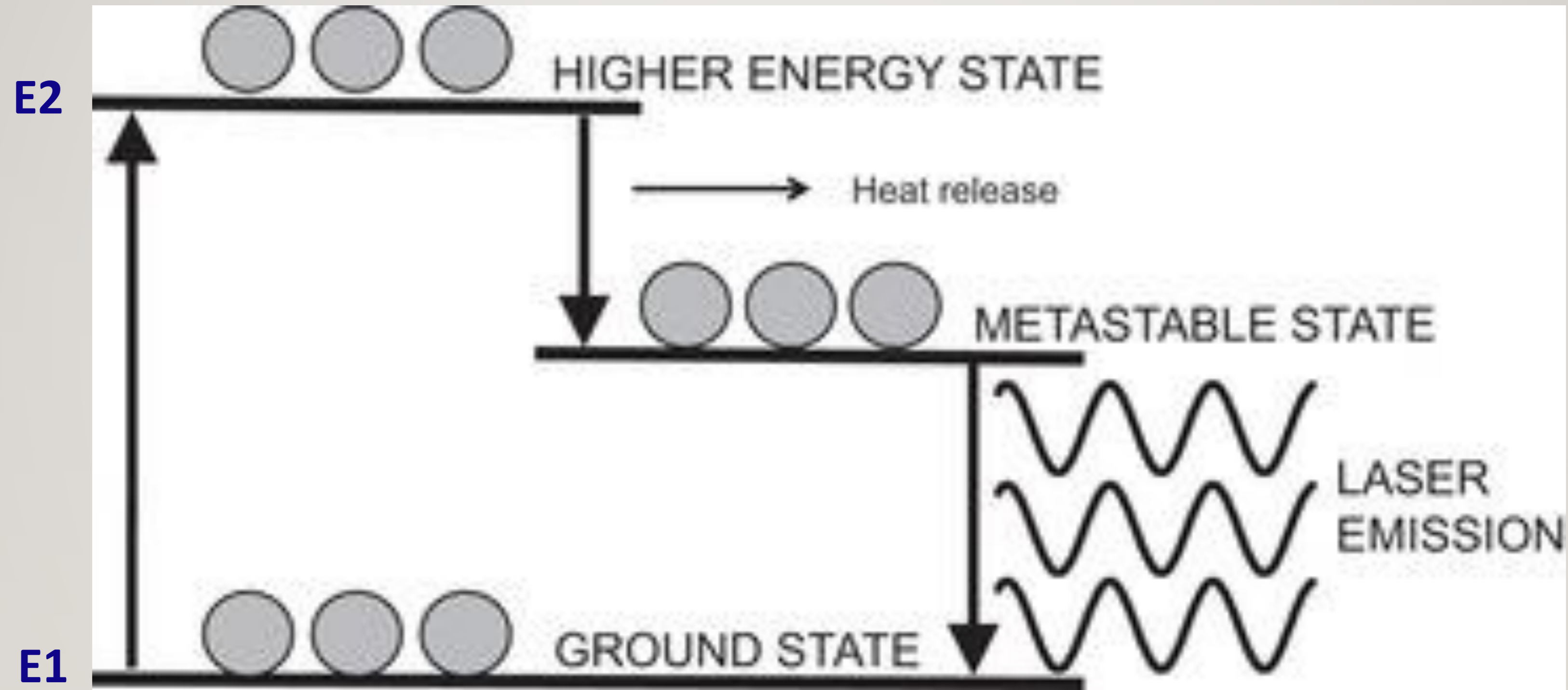
Gambar. Populasi Inversi

KOMPONEN DASAR LASER



Gambar. Optical Pumping

KOMPONEN DASAR LASER





Gambar. Keadaan Meta Stabil



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