stimulated emission

That part of the emission which is induced by a resonant perturbing electromagnetic field. The transition between states, \( n \) and \( m \), is governed by the Einstein coefficient of stimulated emission, \( B_{nm} \). CIDNP emission and lasing action are examples of processes which require stimulated emission.

See also: spontaneous emission

Source: PAC, 1996, 68, 2223 (Glossary of terms used in photochemistry (IUPAC Recommendations 1996)) on page 2279