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## Optical Lasing during Laser Filamentation in the Nitrogen Molecular Ion: Ro-vibrational Inversion

*Wednesday 3 July 2019 18:00 (2 hours)*

We propose a mechanism that explains the population inversion between the  $B^2\Sigma_u^+$  state and the  $X^2_g^+$  state and is based on the combined effect of several processes.

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