

# Spectral electron energy map of electron impact induced emission of nitrogen

J. Blaško, J. Országh, B. Stachová, Š. Matejčík

Department of Experimental Physics, Faculty of Mathematics, Physics and Informatics, Comenius University in Bratislava

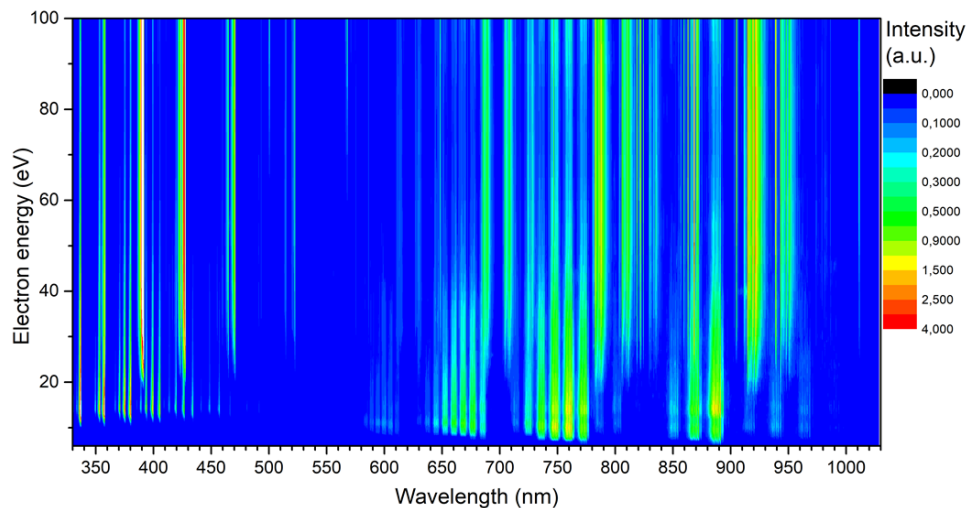


Fig. S1. Overview spectral electron energy map of electron impact induced nitrogen emission.

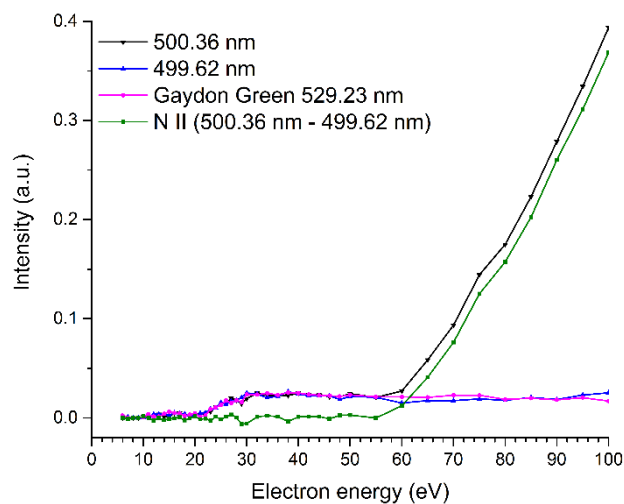


Fig. S2. N II EF at 500.36 nm where Gaydon-Green System EF had to be subtracted from the signal as its emission is present at the same wavelength.

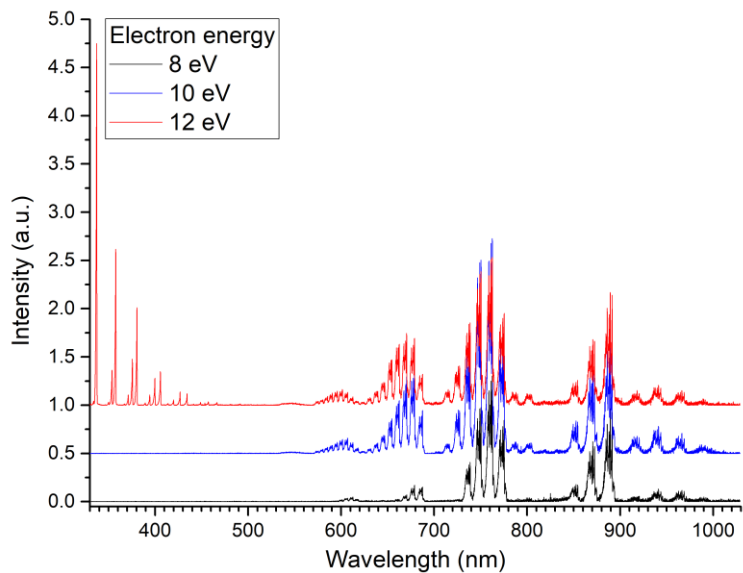


Fig. S3. In nitrogen emission spectrum induced by 8 eV and 10 eV electrons only 1PS transitions are induced. At 8 eV the higher vibrational transitions are significantly less developed. At 12 eV the energy is sufficient to induce 2PS system.