

5B04: NCN QUANTITATIVE MEASUREMENT IN A LAMINAR LOW PRESSURE FLAME.

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**Comment by Bradley Williams, Naval Research Laboratory, USA**

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This is a nice study; particularly the spectral simulations which help to resolve many of the uncertainties in the intensities of the different branches, which are difficult to address experimentally due to the spectral overlap. A brief comment: In our previous study of NCN LIF in flames [1] ([11] in the paper) our estimate for the absorption coefficient of NCN was based on absorption in the (000)-(000) band only. Since the present paper's spectral simulations show that the (010)-(010) band contributes a substantial fraction of the total absorbance, our estimate and that of the present paper are actually much closer than the numerical value make it appear.

Reference:

[1] J.A. Sutton, B.A. Bradley, J.W. Fleming, *Combust. Flame* 153 (3) (2007) 465–478.

*No reply received from author.*