



Corrigendum

Corrigendum to “Experimental investigations on the first Townsend coefficient in pure isobutane” [Nucl. Instr. and Meth. A 670 (2012) 55–60]

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In the conversion process of the original files to the Tiff format some errors occurred in Figs. 3–6, as follows:

- (a) Fig. 3: the points related to “Data 1” and those from “S.C. Haydon and O.M. Williams” did not appear;
- (b) Fig. 4: the points related to “Our previous results” did not appear;
- (c) Fig. 5: the data from “C. Lu et al.” did not appear and its corresponding legend was incorrect;
- (d) Fig. 6: the points from “C. Lu et al.” did not appear.

Please find below the figures amended.

The authors apologize to Nucl. Instr. and Meth. A and to the readers for any inconvenience these errors may have caused.

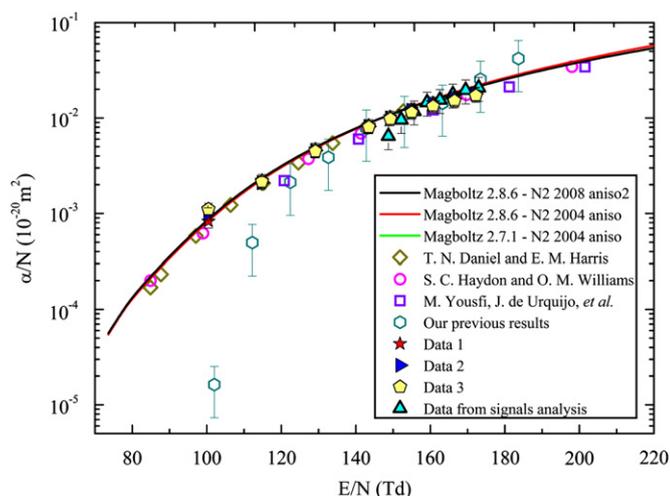


Fig. 3. Magboltz results for N_2 and measured values at atmospheric pressure (star, side triangle and diamond) for α/N as a function of E/N in the range 100–170 Td. The data sets (1–3) refer to independent measurements. The displayed error bars correspond to 15% of the values. Data from Daniel and Harris (lozenge) [19], Haydon and Williams (circles) [20], M. Yousfi et al. (squares) [21], from our previous results (hexagon) [5] and from signal analysis (triangle) are also shown.

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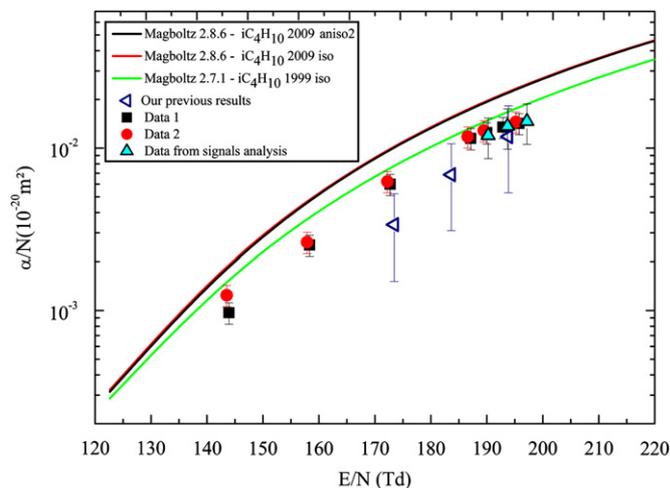


Fig. 4. Magboltz results for iC_4H_{10} and measured values at atmospheric pressure (square and circle) for α/N as a function of E/N in the range 145–200 Td. The data sets (1 and 2) refer to independent measurements. The displayed error bars correspond to 15% of the values. Data from our previous results (side triangle) [5] and from signal analysis (triangle) are also shown.

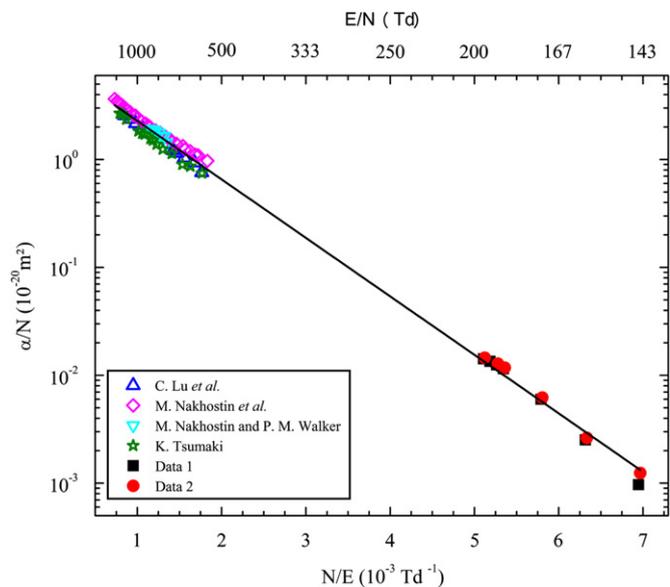


Fig. 5. Korff parameterisation fitted to our measurements for iC_4H_{10} together with data from literature [6–9], covering the range 145–1300 Td. The values for A and B are, respectively: $7.9 \times 10^{-20} \text{ m}^2$ and $1.25 \times 10^2 \text{ Td}$.

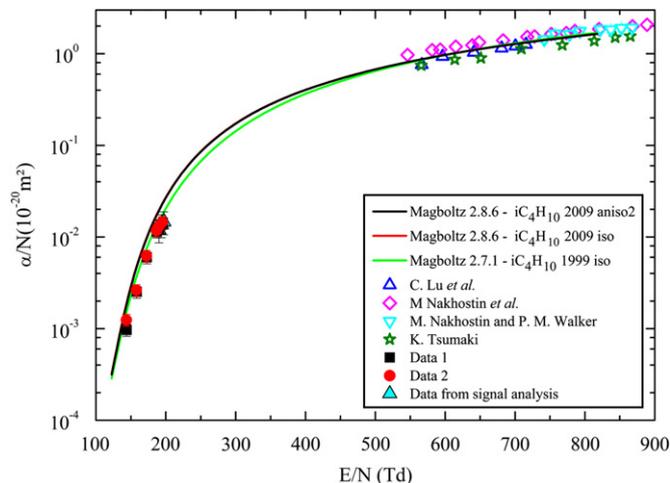


Fig. 6. Magboltz results for isobutane, data sets obtained by the current method, values determined by signal analysis and data from literature at higher E/N [6–9].