
BERICHTIGUNG

Zu D. E. HOLMES, N. B. NAZHAT, and J. J. WEISS, "Effect of Oxygen on the Determination of Hydrogen Atom Yields in Irradiated Ice Matrices", *Z. Naturforsch.* **24 a**, 481 [1969]:

In some of the numbers given in this note the decimal point is wrong. The correct values would follow immediately from the Fig. 1. So this does not affect the conclusions in any way. The correction is indicated in the following two new sections 4 and 5 of the note.

Studies of microwave power-saturation from about 0.005 to 5 mW indicate that the hydrogen atom yields in the nitrogen saturated acidic ices apparently increase as the power is decreased but the signal is still saturated at 0.1 mW. The hydrogen atom signal intensities in both systems converge to nearly the same value at microwave powers of about 0.01 mW. The nitrogen flushed acidic ices show power saturation above 0.01 mW.

In oxygen saturated acidic ices at powers up to 0.02 mW the signal intensity of the trapped hydrogen atoms increases because there is evidently cross relaxation through nearby oxygen molecules. Thus, the hydrogen atoms intensities from irradiated acidic ices cannot be compared unless the microwave power is below the power-saturation value.