

Erratum

Polarised hydrogen line shapes in a magnetised plasma

The Lyman α line

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Some mistakes occurred in Section 2.2 (The hydrogen atom in the magnetic field):

- page 493, it should read

At large values of the magnetic field, one may neglect the effects of fine structure coupling. If, furthermore, the temperature is low enough, the motional electric field can also be neglected, and the eigenenergies are then linear in B . They are...

instead of

At large values of the magnetic field, one may neglect altogether the effects of fine structure coupling, and of the motional electric field. Thus the eigenenergies are linear in B . They are...

- page 494, it should read

The comparison between ω_x and ω_L indicate that, for temperatures of the order of 10 000 K, the effects of the motional electric field can be treated within the perturbation theory, leading to an energy correction linear in the magnetic field.

instead of

The comparison between ω_x and ω_L indicate that, for temperatures of the order of 10 000 K, the effects of the motional electric field can be treated within the perturbation theory, leading to an energy correction quadratic in the magnetic field [11].

The following paper should be added under reference [26]:

D. Voslamber, *Z. Naturforsch.* **24a**, 1458 (1969).

The authors thank Dr. D. Voslamber for pointing out these confusing statements, which do not affect the rest of the paper.

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