

Bound-electron g -factor and tetraquarks

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Recent progress in the theoretical prediction of the bound-electron g -factor will be reviewed, on the basis of [1]. In addition, an application of atomic variational calculations to studying exotic configurations of heavy quarks, so-called tetrons, will be presented [2].

[1] A. Czarnecki, M. Dowling, J. Piclum, and R. Szafron, Phys. Rev. Lett. **120**, 043203 (2018).

[2] A. Czarnecki, B. Leng, and M. B. Voloshin, Phys. Lett. B **778**, 233 (2018).