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Type: **Talk**

## Theory of bound-electron $g$ -factors

*Wednesday, 20 July 2022 09:00 (45 minutes)*

I will describe the basics of bound-state Quantum Electrodynamics (QED). I will focus on the interaction of a bound particle with an external magnetic field, parametrized by the  $g$ -factor. Recent developments in the theory of  $g$ -factors in low- $Z$  ions will be described. Some developments in medium- $Z$  and high- $Z$  ions will also be discussed.

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