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Electromagnetic moments in nuclei within nuclear DFT (remote)

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Ground-state electromagnetic moments are known in hundreds of odd and odd-odd nuclei. Very often, they have been measured by atomic spectroscopic methods up to very high precision. In nuclear DFT approaches, these essential observables have been rarely considered so far. At the same time, time-odd properties of nuclear density functionals, which crucially influence magnetic moments, are poorly known. In this talk, I will discuss recent DFT calculations of magnetic dipole and octupole, and electric quadrupole and Schiff moments.

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Classification de Session: Session 14: Nuclear structure with density functional and shell-model approaches