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## **Molecules at ISOLDE: New Opportunities for Research on Nuclear Structure and Physics Beyond the Standard Model**

*Thursday 5 December 2019 14:30 (30 minutes)*

In this talk I will review latest activities in molecular approaches to physics beyond the standard model and discuss challenges and opportunities that laser spectroscopy of specifically tailored heavy molecules provides. I plan to discuss: Synthesis of molecules with shortlived isotopes from spallation sources, laser cooling of radioactive molecules, measurement of nuclear anapole moments and neutron skins as well as detection of P,T-odd moments such as the electric dipole moment of the electron or nuclear magnetic quadrupole moments.

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**Session Classification:** Ground state properties