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Perspectives for laser spectroscopy at the next generation of European RIB facilities

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The last 10 years have witnessed significant advances in field of laser spectroscopy. Leaps in detection sensitivities through continued development at existing on-line facilities have pushed measurements towards fringes of the nuclear chart. The application of laser probing for rare isotope production and purification has established itself as a mature field in its own right. Synergy between the fields of nuclear spectroscopy and laser spectroscopy is helping to further refine existing techniques and provide new tools to probe nuclear structure even further from stability.

This talk will consider compelling regions of the nuclear chart that will be accessible at the next generation of RIB facilities and the spectroscopic tools required to study them.

Primary author: FLANAGAN, Kieran (CERN, Geneve, Switzerland)

Presenter: FLANAGAN, Kieran (CERN, Geneve, Switzerland)

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