

## **Improving the spectral coverage and resolution of the ISOLDE RILIS**

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ISOLDE (Isotope Separator On-Line Device) is CERN's radioactive ion beam facility. The Resonance Ionization Laser Ion Source (RILIS) is the most commonly used ion source and provided over 50% of the ion beams in 2018. The past year's developments will be presented, focusing on the newly developed solid-state Raman laser for improving the spectral range covered by the RILIS laser installation. In addition, the current status towards high-resolution, Doppler-free in-source laser spectroscopy will be presented. An outlook for future (post-LS2) RILIS capabilities for the new running period starting in 2021 will be given.