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New emission Mössbauer spectroscopy studies at ISOLDE in 2015

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In 2015, several beams were for the “first” time utilized for emission Mössbauer spectroscopy (eMS) studies at ISOLDE with applications in solid state physics and biophysics.

These include laser ionized ^{119}In (2.1 min.) and ^{119}Ag (2.1 s) for ^{119}Sn eMS, $^{151}\text{Dy} \rightarrow ^{151}\text{Gd}$ (120 d) for ^{151}Eu eMS and ^{197}Hg (62 h) for ^{197}Au eMS.

I will present the newly utilized beams and the new type of physics that can be explored with them. Some highlights will be presented.

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