

## Frequency reference validation with $^{176}\text{Lu}^+$

*Monday 16 October 2023 14:30 (30 minutes)*

We discuss some of the many advantages that lutetium offers as an optical frequency reference. We illustrate the ease at which a comparison at the level of  $1\text{e-}18$  can be achieved and we show how the use of two available clock transitions can be used to verify clock performance between two systems.

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