

## Optical Lattice Clocks at NPL

*Friday 20 October 2023 10:00 (30 minutes)*

We present an overview of the latest activities relating to optical lattice clocks at NPL including: contributions to the BIPM for steering TAI, a full systematic evaluation of NPL-Sr1 with a target uncertainty below  $5 \times 10^{-18}$ , composite clock schemes making use of quantum non-demolition readout to improve the precision of clock comparisons, and the outlook for a new Yb optical lattice clock with emphasis on low measurement deadtime and high autonomy.

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