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【521】 Laser-pumped high performance vapor-cell atomic clocks

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We present our spectroscopic and metrological investigations related to the development of next generation high performance vapor-cell atomic clocks. Such precision instruments are crucial for applications such global satellite navigation systems and network synchronisation. Our studies concern both basic atoms-photons resonant interactions (in the microwave and optical domains) and more technological aspects such as compact wavelength stabilised lasers.

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