

Quantum Correlated Twin Beams in Cascaded Quadratic Processes

Friday, 7 February 2025 11:45 (15 minutes)

Twin beams are observed in an optical resonator where cascaded second harmonic generation and optical parametric oscillation occur. We measure a squeezing level up to -5 dB in their intensity difference.

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Session Classification: Workshop tematici

Track Classification: A6.2 Photons