

Ultracompact entangled photon sources based on 2D semiconductors

Friday, 7 February 2025 09:45 (15 minutes)

Here we realize ultracompact entangled photon sources by periodically poling 2D semiconductors (3R-MoS₂), demonstrating quasi-phase-matched up- and down-conversion over micron-thick pathlengths.

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Session Classification: Workshop tematici

Track Classification: A6.2 Photons