



Friday, Feb 6, 2026 

10:00 h 

RUN 0.35 



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Attosecond quantum spectroscopy with entangled photon pairs

Entangled photon pairs provide nonclassical correlations that can be up-converted in strong-field nonlinearities. I will show how these correlations map onto high-order harmonics in solids, enabling correlation-resolved spectroscopy of carrier dynamics. By introducing a two-color driving field, we further achieve ultrafast, in-situ control of the quantum state of the emitted light.