## Generation of isolated attosecond pulses driven by a post-compressed Yb laser



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We introduce a new postcompression, cascaded focus and compression, to achieve 50-fold compression of millijoulelevel pulses at 1030 nm from 157 fs to 3.1 fs, with an output pulse 0.98 mJ energy transmission efficiency of 73%. driving high-harmonic generation (HHG), these singlecycle pulses enable creation of a carrier-envelopephase-dependent extreme ultraviolet continuum with energies extending up to 180 eV, providing isolated ≈ 290 attoseconds pulses at the output.

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Place: S4-625

Time: 14:00-15:00

