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## [401] Control of isolated attosecond pulse generation multi-colour synthesized laser fields

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In the last two decades attosecond pulses, driven by high harmonic generation, have become an indispensable tool in ultrafast science. However their usefulness is limited by both the highest achievable photon energy, and by the highest achievable flux. Both these limitations can potentially be circumvented using synthesized laser fields.

We report the generation of attosecond pulses with enhanced flux using a two-colour synthesized laser field. With attosecond streaking, we fully characterise the attosecond pulse and the synthesized field. Furthermore we present a novel three-colour synthesizer which we predict will enable cutoff and flux enhancement of isolated attosecond pulses.

**Authors:** WEAVER, Bruce; Dr PETTIPHER, Allan; Dr GREENING, Daniel; Dr WALKE, Daniel J.; Dr LARSEN, Esben W.; Mr TURNER, James; Prof. TISCH, John W. G.; Prof. MARANGOS, Jonathan P.

Presenter: WEAVER, Bruce

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