

Control of electron trajectories by ellipticity shaped many cycle pulses:

A root to intense isolated attosecond pulses

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We will review recent accomplishments in non-linear XUV processes utilizing attosecond pulse trains [1-6]. Towards extension of these studies to isolated attosecond pulses, results on the generation of intense broad coherent continua exploiting control of electron trajectories by ellipticity shaped high peak power many cycle pulses will be presented and future prospects will be discussed [7].

References

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