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Laser pulse compression down to few femtoseconds

Monday, 30 August 2021 17:00 (30 minutes)

The generation of laser pulses with few-fs duration represents a major technological challenge due to the high spectral bandwidth of ultrashort laser pulses. When the pulse duration becomes comparable to the optical cycle of the laser radiation, a spectrum with typically several hundreds of nm width has to be managed with a proper behaviour of the spectral phase. This issue is even more challenging for high-intensity femtosecond lasers, e.g. those used in some laser fusion approaches. In this talk, I will review state-of-the-art femtosecond pulse compression techniques.

Is this abstract from experiment?

No

Name of experiment and experimental site

n/a

Is the speaker for that presentation defined?

Yes

Details

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Internet talk

Yes

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Session Classification: Workshop on Laser Fusion, a spin-off from heavy-ion collisions