



Contribution ID: 345

Type: **Talk (preferred)**

Efficient third harmonic generation: phase compensation using inter-fibre spacing

Wednesday 14 December 2022 11:45 (15 minutes)

Herein we present a scheme for highly efficient third harmonic generation (THG) via a phase compensation between two segments of fibre; we simulate the gap between these segments to characterise the coupling, gap length, and effects of misalignment.

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Session Classification: 7th International Workshop on Speciality Optical Fibres

Track Classification: WSOF: WSOF: Nonlinear optics