



European Association on Antennas and Propagation

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Research Topics:

Linear and nonlinear regimes of propagation of laser pulses in air

Filamentation in air

Generation of GHz radiation from single filament in air

Generation of THz radiation from single filament in silica

Parametric solitons in fibers and free space

Interaction and exchange of energy between filaments

Pulse propagation in Heisenberg-Euler nonlinear vacuum

Laser driven nuclear fusion with ultrashort pulses

Optical forces and acceleration of atoms and nuclei

