

Abstract Submitted  
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**Optical precursor in Rb Vapor** WENLONG YANG, ALEXEI SOKOLOV — Picosecond pulses with center wave length 780nm are directed through a hot Rubidium cell. The input pulse are shaped with dazzler to be Gaussian, modulated Gaussian or square shape pulses. The output pulses are detected by streak camera. Simulation results of output pulse shape are presented. Optical precursors are observed in the simulation results. Some issues in the simulations are also discussed.

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