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Title:

Return Flux of Pulsed Sodium LGS -- an Overview

Abstract:

Almost all sodium LGS systems in the world are based on pulsed lasers. The talk reviews some sodium physics and compares the different lasers pulse formats in the time and frequency domains. Selected formats are discussed on the basis of numerical simulation results. Recommendations are presented to enhance their return flux and to design future LGS lasers, including those suitable for spot tracking.