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## **【807】 Broadband high-power THz generation driven by ultrafast thin-disk laser oscillators**

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Broadband and high-power THz radiation spanning several THz at mW power levels is so far available using highly complex multistage laser amplifier systems or large-scale facilities. We demonstrate a broadband THz source (spanning nearly 5 THz at 0.3 mW of average power) based on optical rectification in GaP driven directly by an ultrafast high-power thin-disk laser oscillator. The synergy of low-complexity, high average power and a broad spectrum will benefit many spectroscopic and THz imaging applications.

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