

## Latin America Optics and Photonics Conference, LAOP 2014

10 November 2014

Latin America Optics and Photonics Conference, LAOP 2014; Paradisus Cancun Resort Cancun; Mexico; 16 November 2014 through 21 November 2014

### **Pulsed laser deposition of pbte in monopulse and multipulse regime** (Conference Paper)

[Alvira, F.C.<sup>a</sup>](#), [Cabrera, L.Ponce<sup>b</sup>](#), [Reyes, T.F.<sup>b</sup>](#), [Mendoza, Y.Peñalosa<sup>b</sup>](#)

<sup>a</sup> Centro de Investigaciones Opticas, CONICET La Plata CICPBA, Cno. Centenario e/ 505y 508 La Plata. C.C. 3 (1897), Buenos Aires, Argentina

<sup>b</sup> Instituto Politécnico Nacional, **CICATA-ALT**, Km 14,5 Carretera Tampico Puerto Industrial, Altamira, Tamaulipas, Mexico

We made a comparison between pulsed laser deposition with excitation in monopulse and multipulse regime. We find stoichiometric ablation when PLD is conducted with multipulse laser but the ablation process is less effective. © OSA 2014.

#### Indexed keywords

**Engineering controlled terms:** Ablation; Deposition; Laser excitation; Photonics; Pulsed laser deposition

Monopulse; Multi-pulse laser; Multipulses; PbTe

**Engineering main heading:** Pulsed lasers