## 24th Australian Institute of Physics Congress



Contribution ID: 285

Type: Poster

## Size reduction of metallic nanoparticles during nanosecond pulsed z-scan experiments

*Thursday, 15 December 2022 18:45 (15 minutes)* 

Highly local thermal effects which occur during a nanosecond laser pulse cause a significant change in the size distribution of metallic nanoparticles during a z-scan which can affect the z-scan results.

Primary author: DAVIS, Joshua (Queensland University of Technology)

**Co-authors:** Mr MCARTHUR, Callum (Queensland University of Technology); Prof. JAATINEN, Esa (Queensland University of Technology)

Presenter: DAVIS, Joshua (Queensland University of Technology)

Session Classification: Poster session

Track Classification: ANZCOP: ANZCOP: Nanophotonics, metaoptics and plasmonics