24th Australian Institute of Physics Congress



Contribution ID: 468

Type: Talk (preferred)

The Hanbury Brown and Twiss experiment as a tool for emitter localization

Tuesday 13 December 2022 12:00 (15 minutes)

By simulating the Hanbury Brown and Twiss experiment results (second order correlation function) for a field of emitters, we study the effectiveness of using quantum correlations in emitter localisation.

Primary author: Mr VASQUEZ-LOZANO, Jaret (RMIT)
Co-authors: Prof. GREENTREE, Andrew (RMIT); Dr LI, Shuo (RMIT)
Presenter: Mr VASQUEZ-LOZANO, Jaret (RMIT)
Session Classification: Australian and New Zealand Conference on Optics and Photonics

Track Classification: ANZCOP: ANZCOP: Quantum optics