



Contribution ID: 452

Type: **Poster**

Utilising Second-Order Correlation Algorithms for Improved Single Photon Source Measurements

Tuesday 13 December 2022 18:45 (15 minutes)

We present a quantitative comparison of algorithms commonly supplied with time tagging hardware, as well as more sophisticated algorithms presented in the literature. It is apparent that different signal-to-noise ratios and measurement efficiencies can be achieved through these different algorithms.

Author: DE VRIES, Mitchell (RMIT University)

Co-authors: GIBSON, Brant; JOHNSON, Brett; PENG, Davin Yue Ming (Australian Research Council Centre of Excellence for Nanoscale Biophotonics, RMIT University); REINECK, Philipp

Presenter: DE VRIES, Mitchell (RMIT University)

Session Classification: Poster session

Track Classification: PQS2022: PQS: Precision and Quantum Sensing Workshop