## 24th Australian Institute of Physics Congress



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## Tensor E-graphs for Lattice QCD Nuclear Correlation Function Calculations

Tuesday 13 December 2022 18:45 (15 minutes)

The newly developed tensor e-graph optimisation technique provides an efficient approach to compute correlation functions of multi-hadron states in lattice QCD. Benchmarks of numerical performance are presented for tensor e-graph optimisation applied to correlation functions for interpolating operators of nuclei.

Author: HUMPHREY, Nabil

Co-authors: Dr ZANOTTI, James (The University of Adelaide); YOUNG, Ross; DETMOLD, William

**Presenter:** HUMPHREY, Nabil

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