



Contribution ID: 379

Type: **Talk (preferred)**

Quantised mass-energy effects in a particle detector

Wednesday 14 December 2022 17:00 (15 minutes)

We show that mass–energy equivalence must be included in models of a quantum particle interacting with an external environment in order to represent physically relevant scenarios such as atom-light interactions.

Primary author: WOOD, Carolyn (The University of Queensland)

Co-author: Dr ZYCH, Magdalena (The University of Queensland)

Presenter: WOOD, Carolyn (The University of Queensland)

Session Classification: AIP: Theoretical and Mathematical

Track Classification: AIP Congress: AIP: Theoretical and Mathematical