24th Australian Institute of Physics Congress



Contribution ID: 409 Type: Poster

Entanglement based probe new macroscopic forces

Tuesday, 13 December 2022 18:45 (15 minutes)

We propose the use of charged, massive particle interferometers to probe for new or modifications to known forces at close range. We consider such a devices ability to detect Yukawa style modifications to gravity and the electromagnetic interactions.

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Session Classification: Poster session

Track Classification: AIP Congress: AIP: Relativity and Gravitation