

Abstract Submitted  
for the SES17 Meeting of  
The American Physical Society

**Obtaining Force Uncertainties via Entropic Gravity and Generalized Uncertainty Principle<sup>1</sup>** ANDREW DYE, JEFFERY SECREST, Armstrong State University — In quantum mechanics the notion of force tends to not be considered. However, utilizing various forms of the generalized uncertainty principle and the framework of entropic gravity, a force-position uncertainty relationship has been obtained. This allows for the investigation into the quantum nature of gravitational phenomena in both relativistic and non-relativistic contexts.

<sup>1</sup>The authors would like to thank Armstrong State University for financial support thru the Undergraduate Research grant.

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Date submitted: 09 Oct 2017

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