



Canadian Association
of Physicists

Association canadienne
des physiciens et physiciennes

Contribution ID: 2840

Type: **Invited Speaker** / **Conférencier(ère) invité(e)**

Entanglement and the Infrared

Wednesday 5 June 2019 13:45 (30 minutes)

There are two known apparently massless fields in nature, the photon and the graviton. Interestingly, their massless nature in each case leads to similar infrared catastrophes for quantum electrodynamics and perturbative quantum gravity. In this talk, I will review some quantum information theoretic issues stemming from the copious production of soft photons and soft gravitons in elementary particle interactions.

Author: SEMENOFF, Gordon (University of British Columbia)

Presenter: SEMENOFF, Gordon (University of British Columbia)

Session Classification: W2-4 Fields and Strings II (DTP) | Champs et cordes II (DPT)

Track Classification: Theoretical Physics / Physique théorique (DTP-DPT)