ID contributo: **9** Tipo: **oral**

# Emitted radiation and geometry

*mercoledì 23 ottobre 2019 09:00 (35 minuti)*

We discuss the computation of the radiated energy by an accelerated heavy particle. This quantity is captured by the one-point function of the stress energy tensor in presence of a Wilson line. In a N=2 superconformal theory we prove that this observable is exactly related to a small geometric deformation of the background geometry. In a four dimensional case, supersymmetric localization allows to express the emitted energy in terms of a matrix model on a squashed sphere.

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**Classifica Sessioni:** Wednesday morning 1

**Classificazione della track:** QFT