

## The symmetries of Carroll (super) particle

*Thursday 10 September 2015 14:30 (30 minutes)*

We investigate particles whose dynamics are invariant under the (AdS) Carroll group. Although a single free (AdS) Carroll particle has non-trivial dynamics, there is non-trivial dynamics when there is a coupling to background Carroll gauge fields or when we consider two particles. The extension to the supersymmetric case will be considered. The construction of a Carroll string will be also studied.

**Primary author:** GOMIS, Joaquim (Universitat de Barcelona)

**Presenter:** GOMIS, Joaquim (Universitat de Barcelona)

**Session Classification:** Session 9