Contribution ID: **15**   Type: **not specified**

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.

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Session Classification: Session 9