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## Einstein-Cartan Portal to Dark Matter

*Tuesday 26 July 2022 16:00 (18 minutes)*

Gravitational force can be obtained by gauging the Poincaré group.

The resulting theory is known as Einstein-Cartan (-Sciama-Kibble) gravity. In the absence of matter, it is indistinguishable from general relativity. The situation changes when matter is considered. In this talk, I will discuss the Einstein-Cartan theory and a novel mechanism for producing singlet fermions in the early Universe.

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