



Contribution ID: 108

Type: **Short Talk (5')**

## Phenomenology of spin-orbit potential for charmonium.

*Monday 29 November 2021 18:30 (5 minutes)*

I will present a simple exploration to the physics of charmonium, i.e., mesonic states which are not simply charm - anticharm configurations. I will describe the most popular configurations proposed for these states. I will then show how these states can be produced in hadronic collisions and in heavy ion collisions, both in central and peripheral reactions.\

A review of the states for the potential Spin-Orbit,  $V_{L,S}$  is presented. It is described phenomenologically for charmonium. The description extended to spin-dependent interactions to be added to the nonrelativistic interaction.

**Author:** Ms AMAZO-GÓMEZ, Fabiola (Universidad Nacional de Colombia)

**Presenter:** Ms AMAZO-GÓMEZ, Fabiola (Universidad Nacional de Colombia)

**Session Classification:** Heavy Flavour

**Track Classification:** Theory - Phenomenology