Contribution ID: **46** Type: **Invited talk**

The Dark Matter distribution of the Milky Way (its astrophysical uncertainties and effects on determination of physics beyond the standard model)

Tuesday, 12 November 2019 14:00 (30 minutes)

The distribution of Dark Matter in galaxies is one remarkable output of structure formation in a cosmological context, and an important input for the searches of the nature of Dark Matter. In this talk I will present the results of recent, fully data-driven analysis of the determination of the Dark Matter content and distribution in the Milky Way.
I will also highlight the current uncertainties of empirical (and astrophysical) nature, and how they affect the interpretation of direct and indirect searches, and eventually the searches for the very nature of the Dark Matter.

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