Contribution ID: **31** Type: **Talk**

Dark Matter search with the Fermi Large Area Telescope

Friday 31 August 2018 14:00 (20 minutes)

Observations of high-energy gamma rays are one of the most promising tools to constrain or reveal the nature of dark matter. During the remarkable ten years of the Fermi satellite mission, the data from its Large Area Telescope (LAT) were used to set constraints on the dark matter cross section to various particle channels which cut well into the theoretically motivated region of the parameter space, challenging the WIMP dark matter paradigm, for dark matter masses in the 1-100 GeV range. In this talk, I will review the latest results of the dark matter searches with the LAT and will comment on the strategies for the near future.

Primary author: ZAHARIJAS, Gabrijela (Center for astrophysics and cosmology/Un. of Nova Gorica)

Presenter: ZAHARIJAS, Gabrijela (Center for astrophysics and cosmology/Un. of Nova Gorica)

Session Classification: Dark Matter

Track Classification: Dark Matter