

Abstract Submitted
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Models of the rotation curve for the Milky Way Galaxy ROBERT MOSS, JAMES O'BRIEN, Wentworth Institute of Technology — In this talk we present synthesis rotation curve data for the milky way galaxy. Galaxy rotation curves have proven to be the testing ground for dark matter bounds in galaxies, and our own milky way is one of many large spiral galaxies that must follow the same models. Here, we present many different models of the rotation curves of the milky way galaxy and their possible implications. Of the models explored, both standard Λ CDM as well as alternative gravitational models will be discussed. A discussion will follow as to how each model attempts to explain recently discovered phenomena in the milky way galaxy.

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