



Contribution ID: 85

Type: **Early Career Scientist**

Dark Matter Physics in the Sky

The distribution of cosmic structure on small scales is extremely sensitive to dark matter physics, including its particle mass and non-gravitational interactions. I will describe how next-generation facilities will advance fundamental dark matter science, using future Rubin Observatory and spectroscopic measurements of ultra-faint dwarf galaxies, stellar streams, and strong lenses as a case study.

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Session Classification: Open Session for Remarks and Discussions