



Contribution ID: 92

Type: **not specified**

Rubin Observatory and new avenues

Large galaxy surveys like the Vera C. Rubin Observatory Legacy Survey of Space (LSST) are ushering us into exciting times –not only our methodology needs are changing (to e.g., more advanced methods like Hierarchical Bayesian Inference, Simulations Based Inference) but we will also have new probes to work with to study fundamental physics (including clusters of galaxies and gravitational wave sources; not to mention the yet-to-be-discovered ones). Cross-survey synergies and access to multi-wavelength data are also going to be ever-more critical with these undertakings as only then can we break some of the cosmological parameter degeneracies in our data. All of this of course relies on effective collaborations and community building –the powerhouses behind the success of these large projects, and a place for empowerment and change through robust interactions across the globe.

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Session Classification: Open Session for Remarks and Discussions