



Contribution ID: 95

Type: **Early Career Scientist**

## **(zoom) Foster the Development Necessary for the Next Generation of Flagship Projects**

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Observations of the cosmic microwave background (CMB) have been pivotal in establishing  $\Lambda$ CDM as the standard model of cosmology and are providing a critical avenue for the exploration of particle physics beyond the standard model. CMB-S4 is the pivotal next step in CMB observations and, especially when combined with large scale optical surveys such as DESI and LSST, will significantly expand our understanding of the contents and evolution of the universe.

These large-scale experiments will and should be the main focus of the cosmic frontier in the coming decade. However, while undertaking these flagship projects, it is also important to provide avenues for smaller scale experiments pursuing new measurement methods and technological development. Smaller scale projects and test-beds are the seeds of the new methods and technologies that are required for the next generation of flagship projects and are a very important training ground for the next generation of physicists.

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**Session Classification:** Open Session for Remarks and Discussions