

## Progress on Old and New Themes in cosmology (PONT) 2020



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In this work we estimated the cosmological constant in a pioneering approach by using galactic superclusters in the layout of  $f(R, T)$  gravity. We set  $f(R, T) = R + 2\lambda T$  where  $\lambda$  is the model parameter. We report that appropriate values of  $\lambda$  generate cosmological constant ( $\Lambda$ ) values in harmony with observational value of  $1.1056 \times 10^{-52} m^{-2}$ . We also delineate that for  $\lambda = 0$  which corresponds to GR, yields physically unacceptable results.

**Primary author:** Prof. SAHOO, Pradyumn Kumar (Birla Institute of Technology and Science-Pilani, Hyderabad Campus)

**Presenter:** Prof. SAHOO, Pradyumn Kumar (Birla Institute of Technology and Science-Pilani, Hyderabad Campus)

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