

Insights into ABL Turbulence from Laboratory Experiments and Simulations Shivsai Ajit Dixit, Abhishek Gupta, Harish Choudhary, Shibani Bhatt, Pranav Sood, Prajyot Sapkal **Indian Institute of Tropical Meteorology, Pune Corresponding email:** sadixit@tropmet.res.in



Monin–Obukhov similarity theory (MOST¹) vs. *M-v* scaling of surface drag in ABL using idealized WRF-LES (Gupta et.al 2023²)



<u>Turbulent Mixing in the Atmospheric Boundary Layer during Monsoon LLJ: A Laboratory Study using the Wall Jet Model (Choudhary et. al 2023 a, b^{3,4})</u>



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