

$f\sigma_8$ measurement with the type Ia Supernovae from the Zwicky Transient Facility DR2.5

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$f\sigma_8$ is a powerful probe at low redshift to discriminate between different theories of gravity. In linear theory, this parameter is directly related to the velocity field. In this talk, I will show how the peculiar velocities of ZTF Type Ia supernovae can be used to measure $f\sigma_8$. I apply a maximum likelihood approach together with realistic simulations based on N-body mocks. I also investigate systematic effects in preparation for the analysis of the ZTF Data Release 2.5.

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