

SN Ia and Galaxy clustering: void, cluster and fs8

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The unprecedented statistic provided by the ZTF DR2 allows us to investigate the interplay between SNIa and the Large-scale structure at low redshift. This interplay is twofold. On the one hand, the LSS provides specific density local environments for the SNIa and their host. On the other hand, the increased statistic allows us to investigate directly the peculiar velocities of SNIa at low redshift, in both the Hubble Diagram and the constraint of the growth of structure. This talk will present some ongoing analyses of the ZTF DR2 that probe the interplay between SNIa properties and extreme under or over-dense environments such as voids and clusters, as well as the ongoing studies of peculiar velocities of SNIa for cosmological constraints.

Orateur: AUBERT, Marie (LPC / CNRS / IN2P3)

Classification de Session: Review and contribution talks