

# Results from the Nearby Supernova factory

*Wednesday 1 June 2016 15:00 (20 minutes)*

## Summary

The Nearby Supernova factory has now obtained hundreds of high quality spectrophotometric times series of Type Ia Supernovae (SNe Ia). Unlike any other modern survey, the measurement of the spectral evolution of SN Ia events as a function of time enables us to compare our data with that of any other calibrated survey. This is key for the accurate measurement of the properties of the constituents of the Universe, notably those of the dark energy. I will present results on the enigmatic color of SNe Ia and on the correlation between SN Ia properties and these of their environments.

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**Session Classification:** Astro + Cosmo I-II