

A Memorandum of Understanding (MoU) between:

The “Physics of SNe” working group (WIS and OKC teams) of the Zwicky Transient Facility (ZTF-SN), including Avishay Gal-Yam, Jesper Sollerman and their teams

and

Dr. Giorgos Leloudas and his team of the DARK Cosmology Center, Copenhagen, Denmark.

Objective: The ZTF-SN and Leloudas teams will form a collaboration aimed at collecting polarimetric observations of ZTF targets using the 2.5 NOT in order to measure their polarization signal and its time dependence.

Contributions:

ZTF-SN: The ZTF-SN working group will provide candidate transients discovered by the Palomar 48 inch Oschin Schmidt telescope to the Leloudas team. These will be classified SNe of types that are not SNe Ia and that are deemed as promising targets for polarimetric study. This includes all information necessary for such observations (coordinates, magnitudes, finder charts, contextual information, and/or ongoing attempts for classification with other facilities). The rate of suitable candidates requiring such observations is currently estimated to be one per month.

Leloudas team: The Leloudas team will propose for, obtain and reduce NOT imaging polarimetric observations of those among the candidates which it finds to best match its observational capabilities and interest at the time. The Leloudas team will make available reduced polarization sequences to the ZTF-SN working group (and, if appropriate, to other ZTF working groups) in a timely manner.

Data Rights and Benefits:

The Leloudas team will have a right to lead publications on objects where the polarisation signal scientifically merits standalone papers. Such papers can be either single-object comprehensive papers that include additional observations, or polarization-specific papers that will be published in parallel with other papers on the same object published by other ZTF members. In cases where the polarization data does not merit standalone papers, the Leloudas team will contribute its data to ZTF papers led by other groups.

The Leloudas team may obtain unlimited follow-up of such sources with their own resources after approval by the ZTF-SN coordinator. The ZTF-SN working group will further contribute P48 survey photometry, P60 SEDM spectra, and any additional follow-up it is able to secure to further maximize the impact of such efforts. ZTF co-authorship on these publications will be determined by the ZTF publication policy.

For all other publications resulting from this collaboration, the ZTF-SN working group will have first right of refusal. Publications including data obtained by the Leloudas team will invite at least 2 team members as co-authors.

Duration:

This agreement covers the period from 1 January through 31 December 2018. It can be renewed annually by mutual agreement by both parties.