

A Memorandum of Understanding (MoU) between:

The ZTF consortium, as represented by the “Physics of SNe” working group of the Zwicky Transient Facility (ZTF-SN); Avishay Gal-Yam (WIS) will serve as a point of contact (POC) for the purpose of this MOU.

and

Dr. Annalisa De Cia of ESO, and her collaborators on an ESO proposal to study SLSNe at $z > 0.5$ using absorption spectroscopy (T.-W. Chen, A. Gal-Yam, C. Inserra, G. Leloudas, D. Perley, S. Savaglio, P. Schady, S. Schulze, J. Sollerman, M. Sullivan, L. Yan).

Objective: The ZTF-SN and De Cia teams will form a collaboration aimed at studying SLSNe discovered by ZTF at $z > 0.5$ using ESO/VLT/Xshooter.

Contributions:

ZTF-SN: The ZTF-SN working group will provide information about SLSNe-I discovered by ZTF at $z > 0.5$, if, when and as soon as such objects are discovered. Such objects could be later made public according to ZTF policies, but the ZTF team will alert De Cia as soon as such a discovery is made, based on either the private partnership data or the public MSIP data (but excluding Caltech private data). This includes all information necessary to conduct follow-up observations (coordinates, magnitudes, finder charts, contextual information, and/or ongoing attempts for classification with other facilities). The rate of suitable candidates is currently uncertain, but based on PTF statistics, it is estimated at 1-2 per year.

De Cia team: The De Cia team will propose for, obtain and reduce VLT/Xshooter observations of such ZTF events that match their science goals. Target choice will be announced to the entire ZTF-SN WG by the POC via telecon and other digital means (Wiki, Marshal etc). The De Cia team will make available reduced spectra to the ZTF-SN working group (and, if appropriate, to other ZTF working groups) in a timely manner.

Data Rights and Benefits:

The De Cia team will have a right to lead publications on objects observed by their program focused on their X-shooter data. Such papers can be either single-object comprehensive papers that include additional observations, or absorption-spectroscopy-specific papers that will be published in parallel with other papers on the same object published by other ZTF members. The initiation of such papers will be announced to the ZTF partnership using the standard channels monitoring new papers (ZTF-SN WG, publication board). In cases where the Xshooter data does not merit standalone papers, the De Cia team may contribute its data to ZTF papers led by other groups.

The De Cia 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 may further contribute P48 survey photometry, P60 SEDM spectra, and any additional follow-up it decides to share to further maximize the impact of such efforts. ZTF co-authorship on these publications will be determined by the ZTF publication policy.

Duration:

This agreement covers the period from 1 October 2018 through 31 September 2019. It can be renewed annually by mutual agreement by both parties.

