GRAVITATIONAL
ARC
TOMOGRAPHY

Group's collaboration policies
(July 2022)

The arc-tomography collaboration ("arctomo") is a Chile-based collaboration aimed at studying the intermediate and high-redshift gaseous universe via absorption spectra of gravitationally-lensed galaxies. Arctomo data are also compelling for cluster and lensed galaxies science. Arctomo keeps close collaborations with two teams abroad, in the US and in Australia, respectively.

Core team: S. Lopez (PI), N. Tejos (co-PI), C. Ledoux, F. Barrientos → (project conception, telescope time proposal preparation, phase 1, 2 and 3, etc.)
Co-Is: E. Johnston, J. Gonzalez-Lopez, T. Berg, G. D'Ago., S. Poudel, A. Afruni
Students: M. Hamel, F. Corro, N. Rivas, M. Solimano, P. Anshul, R. Cuellar, D. Zamora, J. Hernandez

Requests for team membership can be sent to the program's PI, Sebastian Lopez (slopez AT das.uchile.cl), with a description of the science topics you are interested in pursuing within arctomo. Requests will be reviewed by the core team.

Organization:

Science teams: Sub-divisions of co-Is that team up to pursue a sub-project are welcome, the only requirements being that anyone in arctomo wishing to actively contribute can be included in the team. A document has been set up for all teams to sign in the science projects and data they are working on.
Science products: Sub-products like deflection matrices, catalogs, redshifts, and/or maps of a given field will be made available to every arctomo co-I working actively on this particular dataset in order to ensure consistency for all research and to facilitate progress by other teams.

Reduced data: Two mirrored repositories have been set up to keep all data sets. Access to data cubes specific to a given science project will be granted under the below conditions.

Other shareable products: NT, SL and CL maintain a GitHub repository ("arctomo") with Python methods and functions adhoc for the project. Access to the repository can be granted to any arctomo researcher upon request under the below conditions.

Proprietary conditions: Grantees of data and software access must commit themselves to not circulate arctomo products outside the collaboration. They are also strongly encouraged to contribute to it (new data reductions, new Python methods, etc.). The intellectual work of contributors must be acknowledged.

Communications and workshops: Besides GitHub, arctomo keeps Slack channels and uses Zoom extensively. Face-to-face meetings will be reestablished as soon as the pandemic situation permits it.

Authorship: Authorship in arctomo publications is not guaranteed by membership only but it is granted to real contributors (at any stage of the project, from contribution to proposal to contribution to paper preparation, etc.). Core team members do deserve co-authorship in any publications that use the proprietary data, in recognition of the work invested at phases 1, 2 and 3. The lead author is expected to circulate the paper draft among the full list of co-Is, asking for opt-in (upon commitment of contribution), and use her/his discretion for further author involvement and ultimate author order in case of sole contribution to the final draft.