ARCTOMO policies
March 2026

ARCTOMO (arc-tomography) is a Chile-based collaboration aimed at investigating the intermediate and high-redshift gaseous universe through the analysis of absorption spectra from gravitationally-lensed galaxies. These policies are designed to: (i) achieve the highest scientific impact; (ii) foster an environment of open collaboration and rapid scientific discovery, specially by early-career researchers; (iii) ensure that every ARCTOMO member's intellectual and technical contributions are fairly and accurately acknowledged; and (iv) maintain the integrity and proprietary nature of the collaboration's data and tools.

Organization: ARCTOMO is led by principal investigators S. López and N. Tejos. A full list of ARCTOMO members is kept up to date on the collaboration webpage. Requests for-membership can be sent to the PIs, with a description of the science topics you are interested in pursuing within ARCTOMO. Requests will be reviewed by PIs in consultation with senior members. Team members acknowledge to have read and agreed to these policies.

Science teams and sub-projects: Sub-divisions of members that team up to pursue a sub-project are welcome. New sub-projects will be reviewed by PIs and must be announced at ARCTOMO regular meetings. Anyone in ARCTOMO wishing to actively contribute can be included in the sub-project team. Each sub-project is expected to generate a publication and/or conference contribution. A document has been set up for all teams to sign in the science projects and data they are working on.

Science products: Science-ready reduced cubes and 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. Two mirrored repositories have been set up to keep all data sets.

Other shareable products: a GitHub repository with Python methods and functions adhoc for the project has been set up. Access to the repository can be granted to any ARCTOMO researcher upon request.

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 organized once a year, in addition to the regular meeting of the departmental groups.

Authorship: Authorship in ARCTOMO publications is not guaranteed by membership only but it is granted to real contributors to the sub-project. The sub-project members are expected to establish the order of lead authors and to circulate the paper draft among the full list of ARCTOMO members, asking for opt-in, upon commitment of contribution. The sub-project members shall use their discretion for further author involvement.