

Caltech Submillimeter Observatory

PROPOSAL SUMMARY SHEET FOR TELESCOPE USE

TITLE:

Proposal Date:

Type:

extragalactic: continuum ☐ CO lines ☐ other ☐

planetary: continuum ☐ lines ☐

galactic: continuum ☐ lines ☐ circumstel. env. ☐ YSOs ☐ cloud structure ☐ chemistry ☐ other ☐

ABSTRACT:

Is this a resubmission of a previous proposal ? no ☐ yes ☐ ; proposal number: ...

Is this a continuation of (a) previous proposal(s) ? no ☐ yes ☐ ; proposal number(s): ...

Have you attached a list of publications resulting from recent, prior CSO observations ? yes ☐ no ☐

Nights requested for this period: first half ☐ second half ☐ full nights ☐

Special requirements:

Heterodyne Rx: 230 GHz ☐ 345 GHz ☐ 460 GHz ☐ 650 GHz ☐ 850 GHz ☐ Barney (345 GHz) ☐

SHARC II: 450 μm ☐ 350 μm ☐ SHARP ☐ **MUSIC:** ☐ **Other:** ☐

Lines and frequencies (including redshifts):

Principal Investigator:

name, institution, address, fax, e-mail:

Other Investigators (name, institution):

Expected observers (at least 2 if in person):

Objects (most common names) with coordinates in catalog format. Attach separate source list if necessary.

Object	Epoch	RA	Dec.	Vref	Vel
--------	-------	----	------	------	-----

Attach to this form: **scientific justification** (≤ 2 typed pages). See the latest CSO Call for Proposals for a complete list of additional required attachments.

form: 2014 May

Scientific Justification

Maximum 2 pages including time estimate. (Do not repeat the abstract.)

Time Estimate

Mandatory.

Required Attachments

(Not counted against the 2 page limit.)

- List of publications by any proposal investigators using CSO data since 2010.
- List of all students and postdocs who have used the CSO since 2010.
- List of students who have obtained a PhD using the CSO.