

Shanghai Tianma 65m Radio telescope

PROPOSAL SUMMARY SHEET FOR TELESCOPE USE

TITLE:

65m telescope

Proposal Date: 2023 August

Type:

extragalactic: lines ☐ other ☐

planetary: continuum ☐ lines ☐

galactic: lines ☒ circumstel. env. ☐ YSOs ☒ cloud structure ☐ chemistry ☐ pulsar ☐ 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 TM65M observations ? yes ☐ no ☒

Hours requested for this period:

Sidereal time intervals:

22h-10h, 3; 16h-4h, 1

Receiver: L band ☐ S Band ☐ C Band ☐ X Band ☐ Ku Band ☐ K Band ☐ Ka Band ☒ Q Band ☒

Observing Mode: lines: single point ☒ lines: On-The-Flying ☐ pulsar: SEARCH ☐ pulsar: On-Line-Folding ☐

Lines and frequencies (including redshifts) or Time Resolution for pulsar observation:

Principal Investigator:

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

xxx

Shanghai Astronomical Observatory

Nandan Road 80th, Shanghai, China

Other Investigators (name, institution):

yyy, SHAO

Expected observers (at least one person):

xxx

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** (≤ 3 typed pages). See the latest TM65M Call for Proposals for a complete list of additional required attachments.

form: 2017 Oct

1 Scientific Justification

2 Technical Justification

References

Chen, H. R., Liu, S. Y., Su, Y. N., Wang, M. Y. 2011, ApJ, 743, 196