

Technical Page

Proposal Type: Regular
 General Category: Planetary Radar
 Observation Category: Solar System
 Total Time Requested: 12 Hours

Proposal Title: Radar Observations of Asteroid 135 Hertha
ABSTRACT:

We propose to observe the main-belt M-class asteroid 135 Hertha during its favorable October opposition. This is the best opportunity to observe Hertha for at least 15 years. Our objective is to obtain dual-polarization continuous-wave observations to determine whether Hertha is dominated by a metallic or stony composition. Only eight other M-class (or intermediate albedo X-class) asteroids have been observed by radar, making this opportunity both rare and scientifically valuable.

Name	Institution	E-mail	Phone	Student
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Service Observing Request

- None
- All of the observing run.
- Part of the observing run.
- Queue Observing

Remote Observing Request

- No
- Maybe
- Yes

Instrument Setup

S-Band radar

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned