

## Technical Page

This proposal has not been submitted before.

Proposal Type: Regular  
 General Category: Planetary Radar  
 Observation Category: Solar System  
 Total Time Requested: 72 hours Hours  
 Minimum Useful Time: 3 hours

**Proposal Title:** Radar Observations of 45P/Honda-Mrkos-Pajdusakova and 41P/Tuttle-Giacobini-Kresek in 2017

*ABSTRACT:*

We propose to obtain radar observations of two comets: 45P/HMP and 41P/TGK. These two Jupiter family comets make close approaches to Earth in 2017. We expect to get 75m images of HMP, and CW detections of TGK in two different observing windows. This rare opportunity to directly measure the size and spin of two comet nuclei with radar is the best one known in the next 30 years.

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### Remote Observing Request

- Observer will travel to AO
- Remote Observing
- In Absentia (instructions to operator)

### Instrument Setup

S-Band radar                                  S-band receiver

### Atmospheric Observation Instruments:

**Special Equipment or setup:** none

### RFI Considerations

### Frequency Ranges Planned