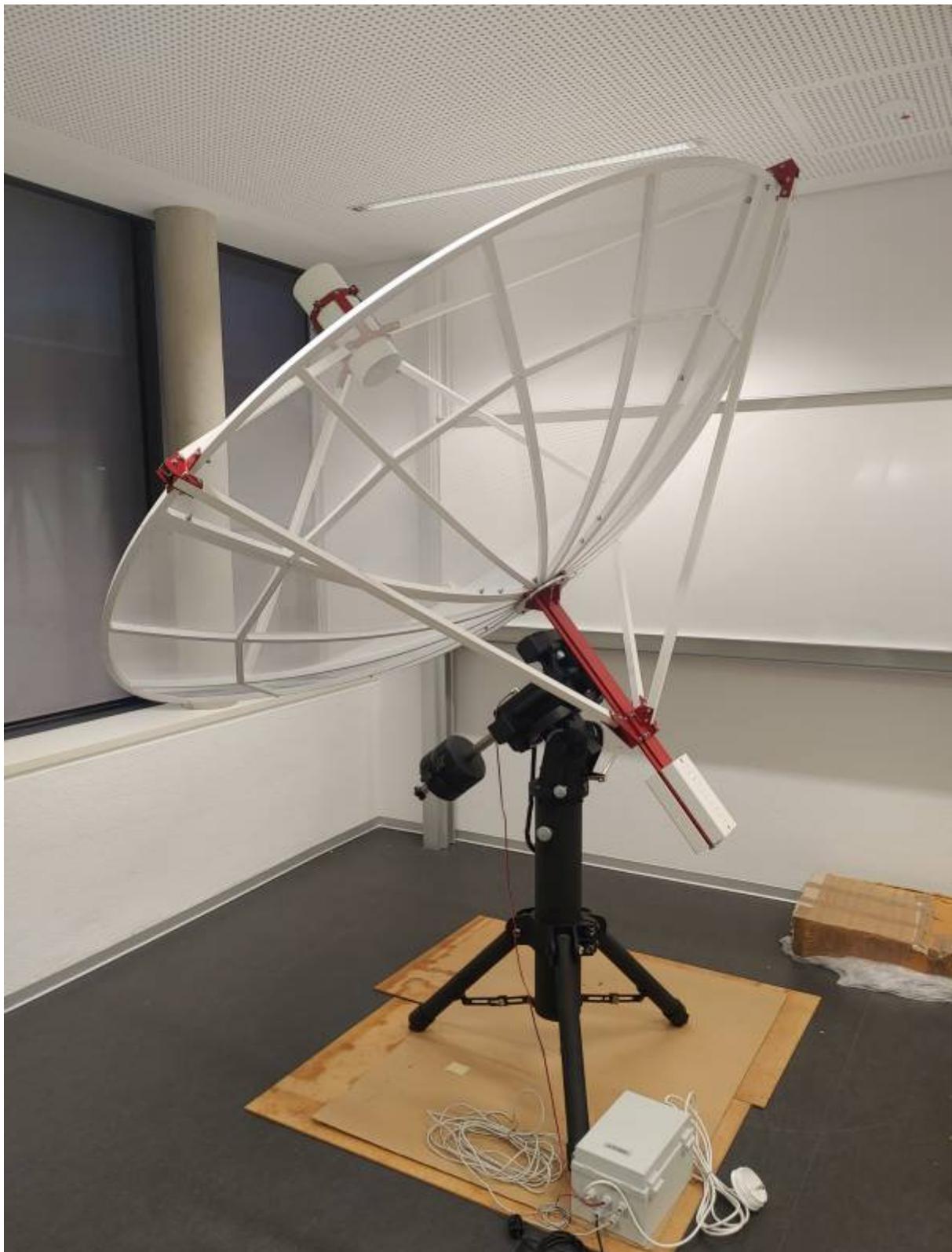


# Radiotelescope

## PrimaLuce Spider 230C

Project Leader: Frank Zimmer

Coordinator: Sarah Rostalski



## Specifications of the Spider 230C Radiotelescope according to [Prima Luce](#)

- Antenna diameter (m): 2.3
- Antenna type: Prime focus
- Working frequency: 1420 MHz
- Bandwidth: 50 MHz
- Feed: H-FEED, optimized for 1420 MHz
- LNA: 2 high gain and stability 1420 MHz LNA units
- Polarization: circular, left and right hand
- Receiver: H142-One for 1420 MHz radio astronomy
- Spectrometer: 1024 channels
- Radiometer: 50 MHz instantaneous bandwidth
- A/D converter: 14 bits
- Control software: RadioUniversePRO
- Weatherproof: No

## Commercial Offers

[https://www.astroshop.de/m,Dome-Parts-GmbH?gclid=CjwKCAiAlrSPBhBaEiwAuLSDUFLSnAiKkOaE\\_08W6\\_kgHEQa3DMKs06vYuRYQtBbH2M\\_p923mHUPHBoCm8YQAvD\\_BwE](https://www.astroshop.de/m,Dome-Parts-GmbH?gclid=CjwKCAiAlrSPBhBaEiwAuLSDUFLSnAiKkOaE_08W6_kgHEQa3DMKs06vYuRYQtBbH2M_p923mHUPHBoCm8YQAvD_BwE)

<https://www.astroshop.de/m,Dome-Parts-GmbH>

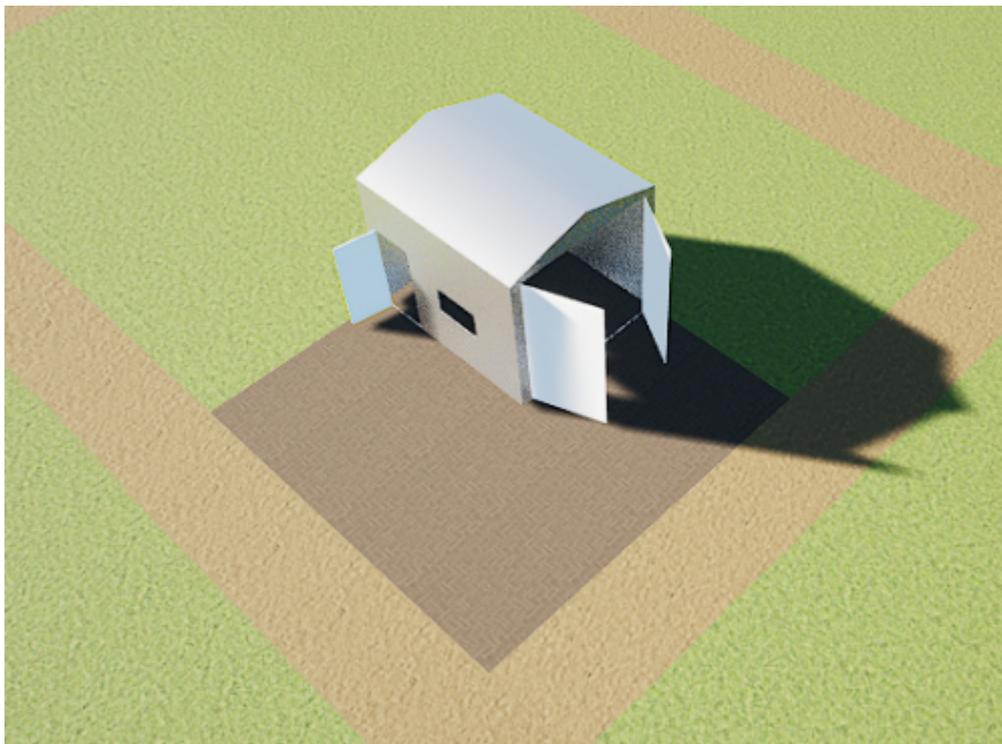
## Building Action

“Roll-Off Observatory” or “Wooden Shelter” or “GFK Radom”

Possible location in Kamp-Lintfort (size ca. 7,5m x 7,6m)



Digital model of a wooden shelter by Nicolas Fischöder



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