

Technical Page

This proposal has been submitted before.

The previous proposal number is A3175.

Proposal Type: Regular
 General Category: Astronomy
 Observation Category:
 Total Time Requested: 60 Hours
 Minimum Useful Time: 6h

Proposal Title: Neutral Hydrogen in Blue Early Type Galaxies

ABSTRACT:

Blue early type galaxies are early type galaxies in which star formation is ongoing or has shut down only recently. They are hence likely a transition type from actively star forming to passively evolving and therefore objects of high interest in studies of galaxy evolution. Our pilot observations hint at a rapid gas removal in at least a subset of this type, potentially coupled to AGN activity. We propose to observe a sample of 54 blue early type galaxies to shed more light into their nature.

| Name | Institution | E-mail | Phone | Student |
|-------------------|----------------------------------|-----------------|--------------------|---------|
| Gyula I. G. Jozsa | SKA Africa and Rhodes University | jozsa@ska.ac.za | +27 (0)21 506 7369 | no |

Remote Observing Request

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

Instrument Setup

L-wide

Atmospheric Observation Instruments:

Special Equipment or setup: none

RFI Considerations

Frequency Ranges Planned

1360 - 1400

This proposal requires coordination with Punta Salinas radar within the band 1222-1381 MHz..

This proposal requires coordination with GPS L3 at 1381 MHz.