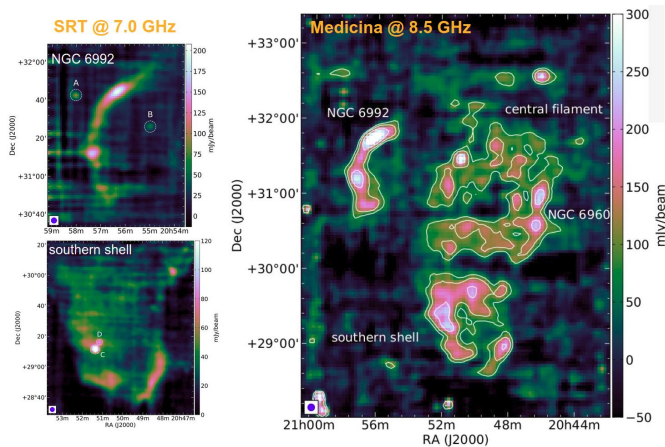


Colloquium

Dr. Sara Loru
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NEW HIGH-FREQUENCY RADIO OBSERVATIONS OF THE CYGNUS LOOP SNR

Abstract



I will present the work based on single-dish observations of the large and complex Cygnus Loop SNR from 7.0 to 24.8 GHz with the Medicina and the Sardinia Radio Telescope. These observations allowed us to investigate the radio spectrum of Cygnus Loop in a yet unexplored frequency range, and to study the energetics of the accelerated particles and the

possible emission mechanism that takes place in this SNR.

These results highlight that SNRs are an interesting challenge for new generation radio telescopes and powerful laboratories to study theoretical aspects of Cosmic-Ray acceleration processes.

Martedì 30 Marzo 2021 alle ore 15,00

In streaming all'indirizzo <https://meet.google.com/ooi-jrid-jqf>