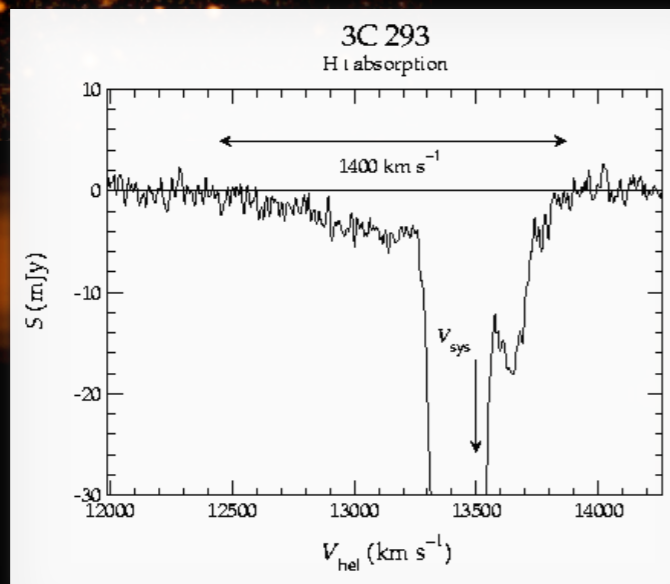


The Life and Death of Radio AGN

Gas and AGN

Tracing the gas (HI) properties and their relation with the presence of a radio AGN

HI (in emission) at large scales: history of the host galaxy



HI (in absorption) in the nuclear region: reservoir for fuelling AGN?

stacking techniques (to reach higher redshifts)

Will be possible for large samples with Apertif

Life cycle

Finding relic structures from previous stages of activity: emission from “exhausted” electrons at the low frequencies of LOFAR

Connect all this

We are still looking for an answer: are the gas properties and the triggering (or re-triggering) of nuclear activity connected?

The combination LOFAR and WSRT–Apertif is unique for providing an answer!

ASTRON

Netherlands Institute for Radio Astronomy