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The role of neutral hydrogen in the life of galaxies and AGN

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**rijksuniversiteit
groningen**

The Role of Neutral Hydrogen in the Life of Galaxies and AGN

A Spectral Stacking Analysis

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ter verkrijging van de graad van doctor aan de
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op gezag van de
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I am prepared to go anywhere, provided it be forward.
- *David Livingstone*

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Top left: Andromeda galaxy (M31). Credit: Galaxy Evolution Explorer, NASA/JPL-Caltech.

Top right: Hercules A radio galaxy. Credit: NASA, ESA, S. Baum and C. O'Dea (RIT), R. Perley and W. Cotton (NRAO/AUI/NSF), and the Hubble Heritage Team (STScI/AURA).

The background image displays the Westerbork Synthesis Radio Telescope. Credit: AS-TRON Nico Vermaas - Harm Jan Stiepel.

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