

Weighing the Milky Way with paint cans

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At Leiden University's radio astronomy course, we observe the Milky Way using radio telescopes made of 5 litre paint cans, commercial Low Noise Amplifiers (LNAs) and Software Defined Radios (SDRs). Galactic neutral hydrogen can be detected on student's own laptops in mere seconds! This experiment involves the whole process from systems engineering, through signal processing, field experiments, and data analysis to astrophysics.

Presenter: BRENTJENS, Michiel (ASTRON)

Session Classification: Poster Prizes & closing