

Searching 21-cm Absorption Systems in Chinese Radio Telescopes

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Abstract

Key words:

1 INTRODUCTION

FAST (Li & Pan 2016) and Tianlai (Chen 2012). Direct measurement of cosmic acceleration (Darling 2012), and its proposal on CHIME (Yu et al. 2014)

Sandage-Loeb (SL) effect (Sandage 1962; Loeb 1998).

NRAO VLA Sky Survey (NVSS)¹.

Recent studies show that the number density of absorbers to be $dN/dz \sim 0.45$ (Wolfe et al. 2005; Zwaan et al. 2007).

Recent discoveries of 21-cm absorption systems have about 20% fractional depth (Allison et al. 2015; Zwaan et al. 2015).

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¹ <http://www.cv.nrao.edu/nvss/>

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