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**TITLE:** FAST search for atomic hydrogen in planetary nebulae

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**ABSTRACT:**

Due to the contamination from omnipresent interstellar 21 cm emission, atomic hydrogen (H I) associated with the planetary nebula (PN) is a far less investigated circumstellar component. We report a project of searching for H I in PNe using the Five-hundred-meter Aperture Spherical radio Telescope (FAST), which is the most sensitive telescope at L-band frequencies. The observations may offer new insights into the interaction processes between PNe and the interstellar medium as well as the 'PN missing mass problem'.