K035-P007 Time: May 30 17:00-18:30

Proton nuclear magnetic resonance spectrometry under ultrahigh pressure I

Takuo Okuchi[1]

[1] Dept. of Earth and Planetary Sci., Nagoya Univ./ PRESTO, JST

http://www.eps.nagoya-u.ac.jp/

To determine the property of water under ultrahigh pressure and high temperature of planetary interior of outer solar system, nuclear magnetic resonance spectrometer that works for the sample in an specially designed non-magnetic diamond anvil cell was developed. A spin echo signal was successfully measured up for water sample at 1GPa in the diamond anvil cell.

