Vb-P008 Room: IR Time: June 26 17:30-19:00

Noble gas isotopes of groundwater and crustal activity in the Izu Peninsula

Masao Ohno[1], Pedro Hernandez[2], Yoichi Shimoike[3], Tsutomu Sato[4], Hirochika Sumino[5], Kenji Notsu[2]

[1] Graduate School of Social and Cultural Studies, Kyushu Univ., [2] Lab.Earthquake Chem., Univ.Tokyo, [3] LEC, Tokyo Univ, [4] GSJ, [5] Lab. Earthquake Chem., Univ. Tokyo

We analyzed the isotopic compositions of noble gases in hot spring water to investigate the crustal activity in the Izu Peninsula. 3He/4He ratio was as high as 4.0 Ratm ~ 7.6 Ratm, and its distribution has similar shape as crustal upheaval, which suggests presence of magma.