

# Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

©2011. Japan Geoscience Union. All Rights Reserved.



---

BPT022-07

Room:104

Time:May 24 14:45-15:00

## Geochemistry of the Archean seafloor hydrothermal alteration: implications for the Archean atmosphere and ocean

Kentaro Nakamura<sup>1\*</sup>, Ken Takai<sup>1</sup>, Yasuhiro Kato<sup>2</sup>

<sup>1</sup>JAMSTEC, <sup>2</sup>Univ. of Tokyo

Archean hydrothermally altered rocks have been investigated by thermodynamic reaction path models in order to put some constraints on chemistry of the Archean atmosphere and ocean.