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HQR023-P09 会場:コンベンションホール 時間:5 月 24 日 14:00-16:30

琵琶湖 1400 mコアから得られた石英粒子の熱ルミネッセンス感度変化特性
Sensitivity change of TL signal of quartz extracted from the Lake Biwa1400 m Core sample, Japan.

高田 将志[1*], 島田　愛子[2], 豊田　新[3], 竹村　恵二[4], 相馬　秀廣[1]
Masashi Takada[1*], Aiko Shimada[2], Shin Toyoda[3], Keiji Takemura[4], Hidehiro Sohma[1]

[1] 奈良女子大学, [2] 日本電子（株）, [3] 岡山理科大学, [4] 京都大学
[1]Nara Women's University, [2]Japan Electron Optics Laboratory Co. Ltd, [3]Okayama University of Science, [4]Kyoto University

Quartz is one of the most common minerals on the Earth and thermoluminescence (TL) signal of quartz is widely used for Quaternary dating in Earth science and Archeology. TL signal in quartz are also used for purposes other than dating. For example, variety of sensitivity change of TL signal of quartz is recorded for quartz crystals of different origins (Takada, 2010), suggesting the possibility for rough estimates of the provenance of sediments. In this study we analyzed TL sensitivity change of quartz grains from the Lake Biwa 1400 meter Core sample, to discuss their chronological background.

(Reference)
Takada M. (2010): Characteristics of 110 degrees Celsius TL signal in quartz from a variety of rocks and sediments: a clue to sediment provenance. Studies in Geography and Regional Environment Research, Nara Women's University, VII, 105-112.

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