

HiPeR特別セミナー

Applications of EBSD in disseminating Pb-Pb results

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Zoom URL:

<https://us06web.zoom.us/j/88442493034?pwd=W8UPcbJNxc8fC1PotsfMMRAuVellzz.1>

Meeting ID: 884 4249 3034

Password: 940271



Electron Backscatter Diffraction is a non-destructive SEM-based technique that provides structural insights into targeted minerals. Multiple studies have shown that shock-induced microstructures and recrystallisation (of phosphates, zircon and baddeleyite) can result in Pb mobilization and subsequent age resetting on angrites, eucrites, Martian meteorites, and chondrites. Structurally characterized grains, therefore, have the potential to unravel the timing of impacts and the original magmatic history of a sample.

Keywords: EBSD, U-Pb dating, meteorites, zircon, apatite

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