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SSS027-P04 Room:Convention Hall Time:May 23 16:15-18:45

The Earth's background free oscillation recorded by the laser strain meter beeing in operation at the Kamioka Mine

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The observations with the two orthogonal laser strain meter of 100m length have carried out since 2003 and are still continuing in a deep tunnel at the Kamioka Mine, Gifu prefecture. Analyzing the laser strain meter record and the barometer record, we investigated the characteristics of the Earth's background free oscillation. We will report the relation between the signal intensity of the Earth's background free oscillation and the atmospheric pressure change.

Keywords: laser strain meter, Earth's background free oscillation, atmospheric pressure change