

Measurement of cosmogenic ^{10}Be in endogenic travertine deposits at Baishuitai

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Past solar and cosmic ray variations are often reconstructed using the carbon-14 in tree rings and the beryllium-10 in ice cores. Previous studies have suggested that beryllium-10 in travertine deposits may also reflect the temporal variation of cosmic rays and thus can be used to trace the past solar activity variations. In this paper, we report our preliminary results obtained from the measurement of beryllium-10 in annual layers of travertine from Baishutai, China.

Keywords: Cosmogenic nuclide, solar activity, cosmic ray variations