



What is cosmogenic dating?

Cosmogenic isotopes are produced in rock by the interaction of can be calculated.

erosion, the age and rate of soil development, and more!

and expensive preparation, and measurements on an accelerator mass fast, cheap cosmogenic dating of more common rock types.

Our approach...

which were previously dated by ¹⁰Be.

Methods

with a Nd-YAG laser.

noble gas mass spectrometer.

Analytical concerns

that the ⁴He peak was not "tailing" onto the³He peak at high pressures.

Previous Work:

depth in the rock, confirming a cosmogenic source for the ³He.





