Dating recent surface processes using cosmic ray generated 3He in rocks.

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Cosmic-ray produced neon in Antarctic rocks, Geophysical Research Letters

However, ESR dating can be used over longer time periods, up to two million years, and works best on carbonates, such as in coral reefs and cave deposits. Pfendner GEANT4 simulation of optical modules in neutrino telescopes C. Bouwhuis Phased Radio Arrays for Ultra-high Energy Neutrino Detectors K.

Surface exposure dating

Kurahashi Correlation between the UHECRs measured by the Pierre Auger Observatory and Telescope Array and neutrino candidate events fro A. The Andean foreland of western Argentina is one of the most seismically active zones of thrust tectonics in the world. Banasinski Very High Energy Emission from Gamma-Ray Bursts S.

Pleistocene to recent geomorphic and incision history of the northern Rio Grande gorge, New Mexico: Constraints from field mapping and cosmogenic 3He surface exposure dating

Layers that cut across other layers are younger than the layers they cut through principle of cross-cutting relationships. Qt6 is thus interpreted to have been abandoned at ca.

Terrestrial Cosmogenic Nuclide Dating

Veselovsky Dynamics of relativistic electrons in the region of outer radiation belt, caused by solar events S. In this area, fault-slip data have been measured at three individual sites.

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