



# The 16th International Conference on Accelerator Mass Spectrometry

Wednesday, 23 October 2024

Applications of Cosmogenic Isotopes - GRAND BALLROOM (宴会厅), 2nd Floor (09:20 - 10:20)

-Conveners: David Fink

time	[id] title	presenter
09:20	[132] Extreme solar events recorded in cosmogenic nuclides	MIYAKE, Fusa
09:40	[266] Radionuclides in Lunar Cores: Gauges of Particle Flux and AMS Measurement Capability	CAFFEE, Marc
10:00	[143] Annual $^{10}\text{Be}$ record in travertine covering 1510-1701: a new proxy for reconstructing annual solar activity	XU, Hongyang

Applications of Cosmogenic Isotopes - GRAND BALLROOM (宴会厅), 2nd Floor (10:40 - 12:00)

-Conveners: David Fink

time	[id] title	presenter
10:40	[186] A first minimum in-situ $^{10}\text{Be}$ age for the Tswaing Meteor Crater, South Africa.	MBELE, Ve1a
11:00	[214] Temperature-forced runoff changes in arid areas of central asia inferred from $^{10}\text{Be}$ exposure ages of river terraces	Prof. XU, Bing
11:20	[61] Meteoric $^{10}\text{Be}$ analysis of a deeply weathered dolomite soil profile in the central Guizhou Plateau, SW China	LIU, Yu
11:40	[264] Surface denudation on soil-mantled hillslope in bedrock-dominated landscape: A weathering profile perspective from the eastern margin of Tibetan Plateau	Dr WEI, Wei

Applications of Cosmogenic Isotopes - GRAND BALLROOM (宴会厅), 2nd Floor (13:30 - 15:10)

-Conveners: Fusa Miyake

time	[id] title	presenter
13:30	[127] Constraining erosion rates and landscape evolution with in-situ $^{10}\text{Be}$ and $^{26}\text{Al}$ cosmogenic nuclides at Table Mountain, Antarctica	FINK, David
13:50	[135] Beryllium-10 enhancement over the Laschamp excursion recorded in a deep-sea sediment core from the Indian sector of the Southern Ocean	Dr HORIUCHI, Kazuho
14:10	[34] Study on the dating method of $^{26}\text{Al}$ in deep-sea ferromanganese crust	DONG, Kejun
14:30	[74] $^{53}\text{Mn}$ development at CologneAMS and its application to cosmogenic nuclide burial dating	HACKENBERG, Gereon SCHIFFER, Markus

Applications of Cosmogenic Isotopes - GRAND BALLROOM (宴会厅), 2nd Floor (15:30 - 17:10)

-Conveners: Marc Caffee

time	[id]	title	presenter
15:30	[244]	Cosmogenic Be-10 in fine-grained quartz from shale	GRANGER, Darryl
15:50	[97]	A protocol for estimating accurate denudation rates based on terrestrial cosmogenic nuclides	MATSUSHI, Yuki
16:10	[235]	A Statistical Method for Treating the ``Negative-Age'' and ``Negative-Atom-Number'' Conundrums in Radioisotope Dating	Mr HU, Weikang
16:30	[48]	Calculation of cosmic ray shielding factor in different terrains	CHEN , Dingxiong