



Contribution ID: 33 Contribution code: **PSB-40**

Type: **Poster**

Status of the XCAMS facility at Tianjin University

Wednesday, 23 October 2024 17:35 (20 minutes)

The compact ^{14}C AMS system extended for ^{10}Be and ^{26}Al (XCAMS) has been installed at Tianjin University for 7 years already, since October 2017. More than seven thousand samples have been successfully measured and analyzed. The cosmogenic nuclides of ^{14}C , ^{10}Be and ^{26}Al have been widely applied to related fields such as earth systems and environmental sciences. The system was gradually smoothed and optimized based on a series of standard, blank and real samples measurement, based on these measurements and applications. On the other hand, two sets of automated graphitization devices were purchased to meet the requirement of ^{14}C measurement for increasing applications. The current experimental conditions, routine measurements of nuclides, optimization of methods, experimental results and outlook of the XCAMS at Tianjin University will be briefly presented in this paper.

Student Submission

No

Primary author: Mr DONG, Kejun (Tianjin University)

Presenter: Mr DONG, Kejun (Tianjin University)

Session Classification: Poster Session B

Track Classification: New and Upgraded Facilities