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Established at the Australian Nuclear Science and Technology Organisation (ANSTO) in 1991, we offer AMS services and collaborative arrangements to Australian and international researchers in a wide range of applications.

Capabilities

- Designed for Multi-isotope analysis with high precision and high throughput.
- ^{10}Be , ^{14}C , ^{26}Al , ^{129}I and ^{236}U are routinely analysed.
- A suite of chemistry laboratories for sample processing and target preparation for a wide range of sample types.
- Stable isotope analysis ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$).

Current Applications

- Radiocarbon dating
- Geological exposure dating
- Nuclear safeguards

We specialise in

- Small radiocarbon sample size
- Atmospheric carbon dioxide analysis
- High sensitivity actinide analysis

To find out more contact

ANTARES AMS Facility
Australian Nuclear Science and Technology Organisation
PMB 1, Menai NSW 2234, AUSTRALIA
antares.ams@ansto.gov.au
www.ansto.gov.au/ansto/environment1/ams

^{129}I

^{26}Al

^{10}Be

^{14}C

^{236}U

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