



Australian Government

Ansto

Nuclear-based science benefiting all Australians

Seminar on Irradiation Technology for Australia: the First and the Next 40 Years

Seminar to Commemorate 40 years of GATRI Operations and to Present the Case for a New Facility

Tuesday 30 and Wednesday 31 March 2010

ANSTO, Lucas Heights

Australia's Gamma Technology Research Irradiator (GATRI), has been using cobalt-60 irradiation for 40 years since it first went into regular service in 1970.

This Seminar is designed to commemorate this achievement and to present plans for a new facility.

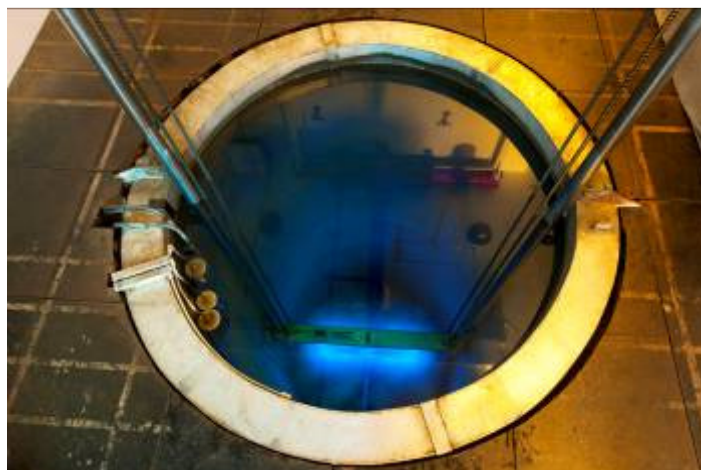
Topical program

Tuesday 30 March – Looking Back

- ❖ History of operations
- ❖ Achievements as an R&D national facility
- ❖ The irradiation services business
- ❖ Maintaining Australia's irradiation and dosimetry expertise
- ❖ Tour of GATRI and other ANSTO National Facilities such as the OPAL research reactor and Bragg Institute neutron guide hall.

Wednesday 31 March – Looking Forward

- ❖ Technologies for high dose irradiation
- ❖ Trends in irradiation applications
- ❖ The New Australian Irradiation Facility Project.



What does ANSTO's Radiation Technology and GATRI currently do?

- ✓ precision irradiations not achievable in industrial gamma irradiation facilities
- ✓ dose range 10 Gy to 1 MGy and variable dose rates 0.1 to 4 kGy.h⁻¹
- ✓ validation and dose audit qualifications for medical products to satisfy ISO 11137 requirements
- ✓ temperature-controlled irradiations (chilled or frozen)
- ✓ polymer and degradation studies
- ✓ blood irradiator calibration
- ✓ supply, measure and calibrate dosimeters against a traceable reference standard.

Further Information - Contact

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