

Technical Exchange on Gamma Irradiator Security and Alternative Technologies

Agenda (as of 05 February 2026)

09:00 — 09:30 OPENING SESSION

Welcome remarks from IIAI and WINS

Objectives and agenda of the Technical Exchange

Introduction of participants

09:30 – 12:30 SESSION ONE – SECURITY FUNDAMENTALS

Presentation: Fundamentals of gamma irradiator security & alternative technologies
Martin Comben, International Irradiation Association

Presentation: Designing and implementing security measures for a gamma irradiator – an operator perspective

Ranjeet Kalia, Microtrol Sterilisation Services, India

(COFFEE BREAK)

Break-out groups to exchange experience of protecting gamma irradiators

Presentation: Security by design: today and in the future

Arjun Vas, Symec Engineers, India

Discussion on security considerations for non-standard operations such as source installation and irradiator maintenance

12:30 – 13:30 LUNCH

13:30 – 14:15 SESSION TWO – CYBERSECURITY

Presentation: An introduction to Cybersecurity programmes at gamma irradiators
Michal Kuca, Sandia National Laboratories, USA

Discussion to further explore cybersecurity needs for gamma irradiators

14:15 – 16:00 SESSION THREE – ALTERNATIVE TECHNOLOGIES

Presentation: Accelerating R&D and Business Opportunities for e-beam Technology
Suresh Pillai, National Center for Electron Beam Research, USA

(COFFEE BREAK)

Presentation: Indian e-beam technology from RRCAT

Rajeshwar Singh Sandha, Industrial Accelerators Division, RRCAT, India

Presentation: The Use of e-beam in India - An Operator's Perspective
Amit Samanta, APAR Industries Ltd., India

Discussion to explore the adoption of e-beam in India

16:00 – 16:30 CLOSING SESSION

Discussion to consolidate key points and main take-aways

Closing remarks from WINS and IIAI