



Raja Ramanna Centre for Advanced Technology Organizes Workshop on Electron Beam Welding for Particle Accelerators and Associated Technologies

(Under the Aegis of Indian Society for Particle Accelerators)
8 - 9 November 2024



ABOUT THE WORKSHOP

Raja Ramanna Centre for Advanced Technology, Indore is organizing a two-day workshop on Electron Beam Welding (EBW) for Particle Accelerators and Associated Technologies under the aegis of Indian Society for Particle Accelerators.

The workshop will feature talks by experienced faculty from academia and research centers across India. An insight will be provided into latest developments in the field of EBW and Laser welding technology specifically focused on accelerator components manufacturing.

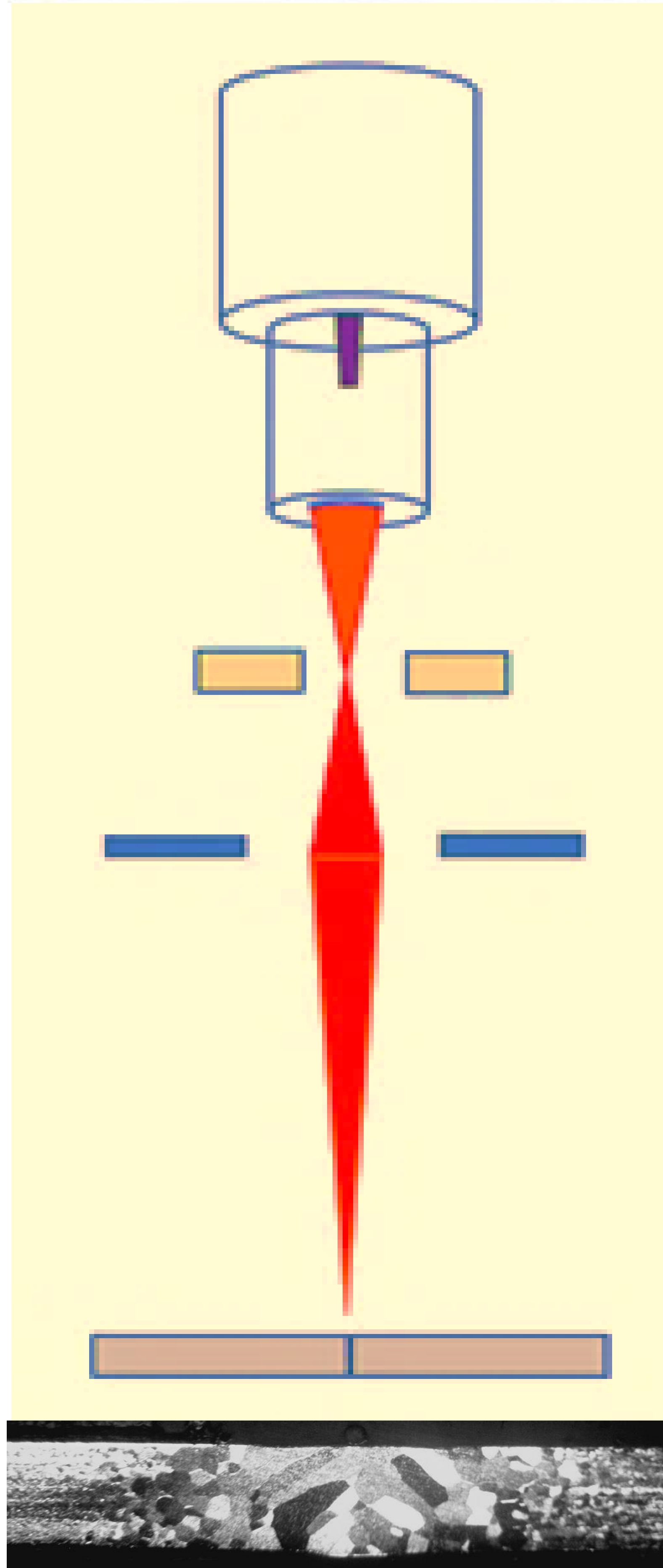
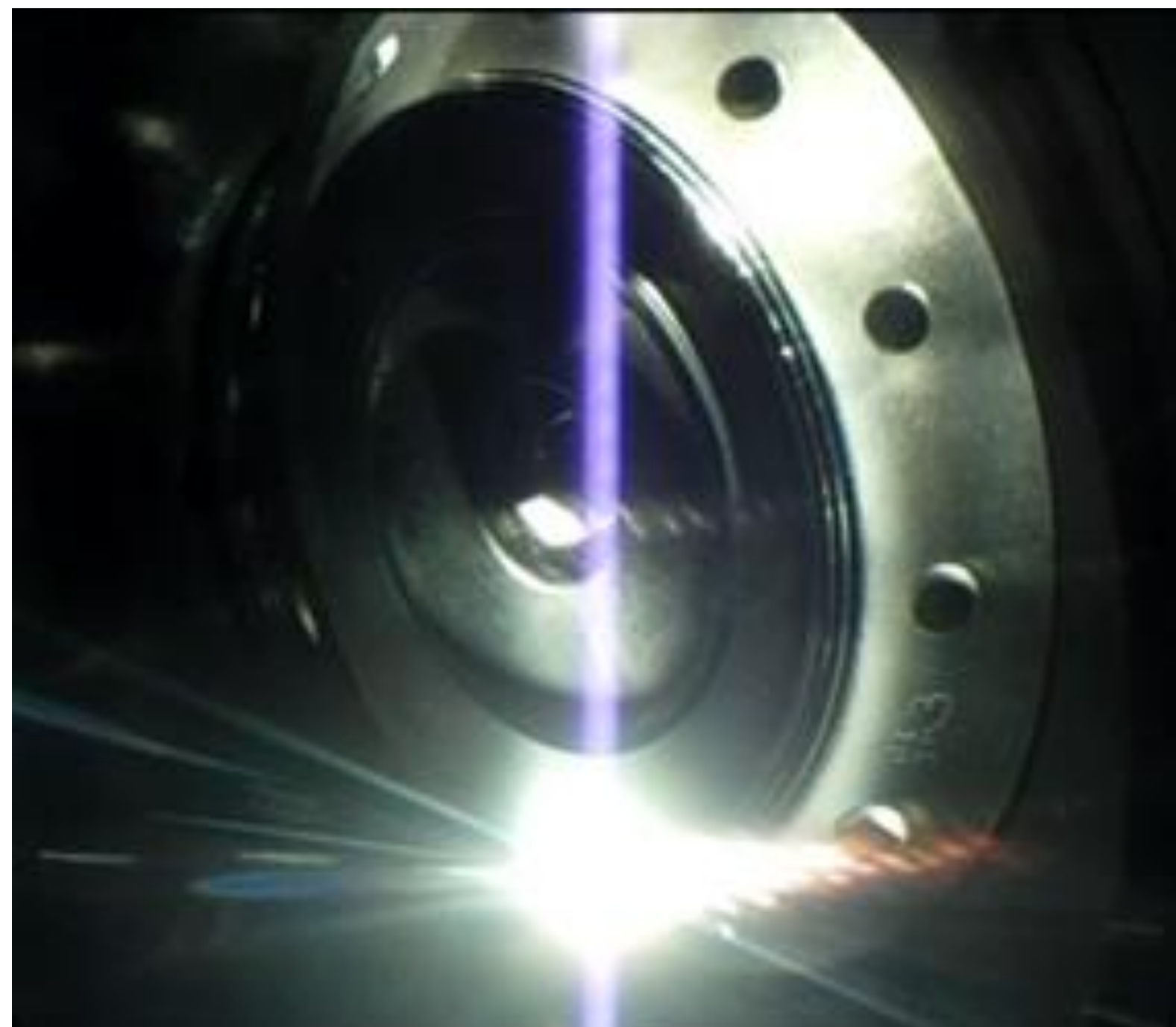
EBW has been a leading industrial fusion joining process for over 40 years and is prominently used in the nuclear, defense, and aerospace industries. The technology is especially important for accelerator components, including superconducting RF cavities, as it preserves material purity and supports high-quality welds in complex geometries, while maintaining the superconducting properties of the materials.

WORKSHOP TOPICS

- ❖ Fundamentals of EBW
- ❖ Codes and Standards
- ❖ EBW Applications for Advanced Technology
- ❖ Experience and Troubleshooting
- ❖ High Voltage Engineering and Its Controls for EBW
- ❖ Laser-Based Welding Technology for Accelerator components.
- ❖ Industrial Experience
- ❖ Case Studies
- ❖ Hands-On Session

VENUE

Vikram Sarabhai Hall, RRCAT
Convention Centre, Indore MP- 452013



ADVISORY COMMITTEE

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- T. A. Puntambekar, RRCAT
- M. Lad, RRCAT
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PARTICIPANTS

- Expected registered participants from RRCAT, BARC, VECC, IUAC, DAE institutions, ISRO, DRDO, IITs, NITs, Academic Institutes, WRI & Industries.
- Scientists working with various accelerator laboratories
- PhD and post graduate scholars working in the relevant areas of beam based welding technologies

REGISTRATION FEE

Delegates from R&D institutes /Faculty from Academic institutes	:Rs. 1000/-
Students delegates	:Rs. 500/-
Industry participants	:Rs. 2000/-

(Inclusive of all taxes)

Bank details for payment :

Name: Indian Society for Particle Accelerators
Bank : State Bank of India
Branch : Sukhniwas (RRCAT) branch (code no 8484)
A/c No : 31846144190
IFS code: SBIN0008484

Address for Correspondence :

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