

Thermoluminescence Dosimetry System



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Medical Physics Laboratory I

Name: Souvik Das

Roll No: 241126007



National Institute of Science Education and Research
Jatani, Odisha, India

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1 | Objective

- To study the characteristics of $\text{CaSO}_4: \text{Dy}$.
- To calibrate the TL/OSL research Reader in terms of absorbed dose and find out the unknown dose from a sample.

2 | Apparatus

- Annealed TLD samples ($\text{CaSO}_4: \text{Dy}$)
- Slab phantoms
- TL/OSL Research reader
- TLD Annealing Oven
- Radiation-generating equipment

3 | Theory

4 | Observation

5 | Conclusion

6 | References