

Laboratory Report

X Ray Diffraction

Guide: Prof. Sangita Bose

A R Bathri Narayanan

Roll no: P0211501

UM DAE Centre for Excellence in Basic Sciences

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School of Physical Sciences
UM-DAE Centre for Excellence in Basic Sciences
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Objectives:

1. To study the theory of X Ray diffraction, and use it on the given crystal (Lithium Fluoride)
2. To use different X-Rays (Copper and Molybdenum) and obtain the spectrum and hence the wavelength
3. To use a filter (Nickel for Copper and Zirconium for Molybdenum) and find out it's effects on the spectrum
4. To find out the structure of the given material (Copper)