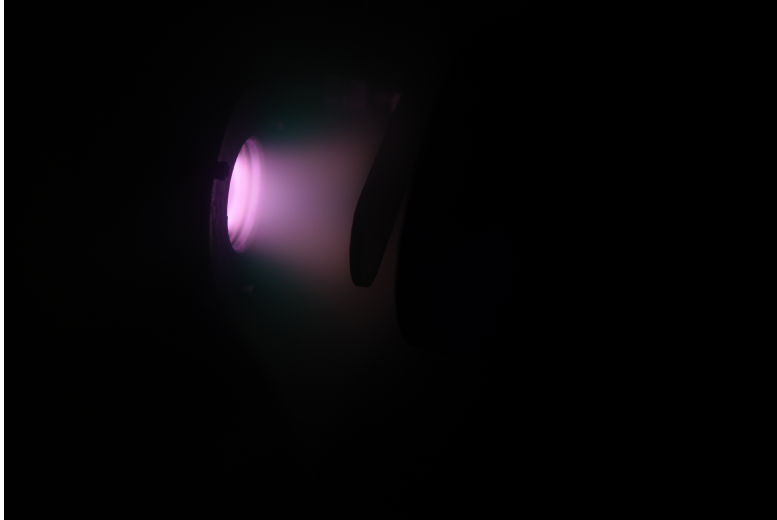

THE GROWTH AND CHARACTERISATION OF THIN FILMS

Dhairya Rath Bhandari

A LIST OF TECHNIQUES

- Chemical Vapour Deposition
 - Evaporation Deposition
 - Sputtering
 - Pulsed Laser Deposition
 - Molecular Beam Epitaxy
-

SPUTTERING



MBE



CHARACTERISATION METHODS

- X-Ray Diffraction
 - Photoelectron Spectroscopy
 - Electron Microscopy
-

X-RAY SCANNING METHODS

- 2θ Scan
 - ϕ Scan
 - X-Ray Reflectivity
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SO WHAT?

- Low Dimensional Systems
 - Antiferromagnets
 - Fractional Quantum Hall Effect
 - Spin Hall & Spin Seebeck Effect
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THANK YOU & GOODNIGHT!
