

# Surface Characterization Of Li Coatings And Their Interaction With Plasmas For Fusion Applications Via Ion Beam Analysis Techniques

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- Development of Ion Beam Analysis (IBA) methodologies for the analysis of lithium coatings on Plasma Facing Components (PFC) in the context of nuclear fusion.
- Qualitative assessment of the interaction of lithium thin films with neutral gases and helium plasmas using IBA.
- Qualitative characterization of the phenomena of intercalation of lithium into a graphite matrix with IBA.