

ELECTRON ENERGY LOSSES IN LITHIUM
NIOBATE

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S u m m a r y

Electron energy losses spectra (EELS) in lithium niobate are investigated and analyzed for the face perpendicular to the optic axis. Influence of a crystal surface state change, which is conditioned by argon and oxygen ion bombardment, and influence of vacuum annealing on the spectra of electron energy losses are studied. A new interpretation of the mechanism of origin of losses is given.