

The surface structures of some transitionmetal dichalcogenides

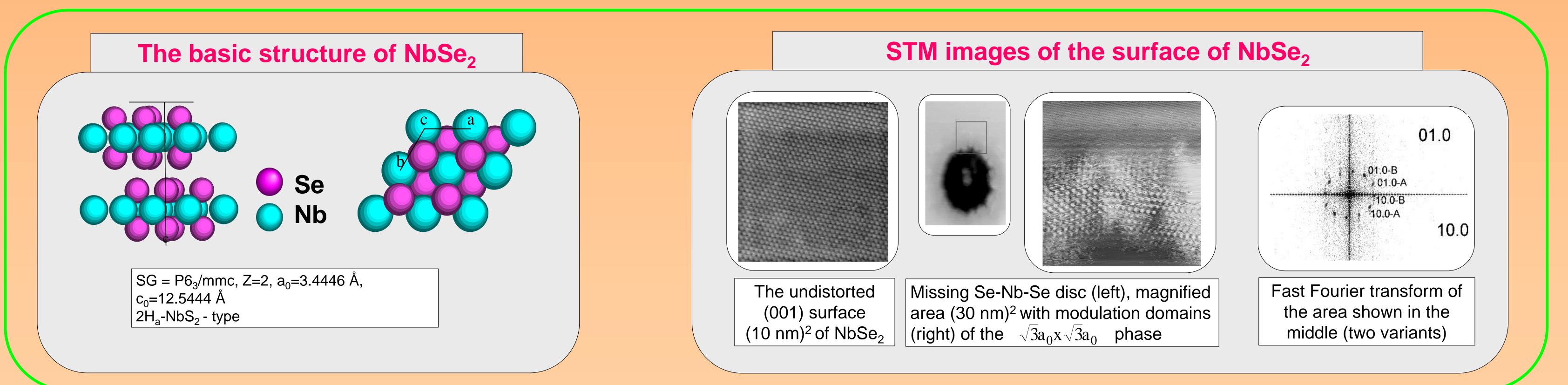
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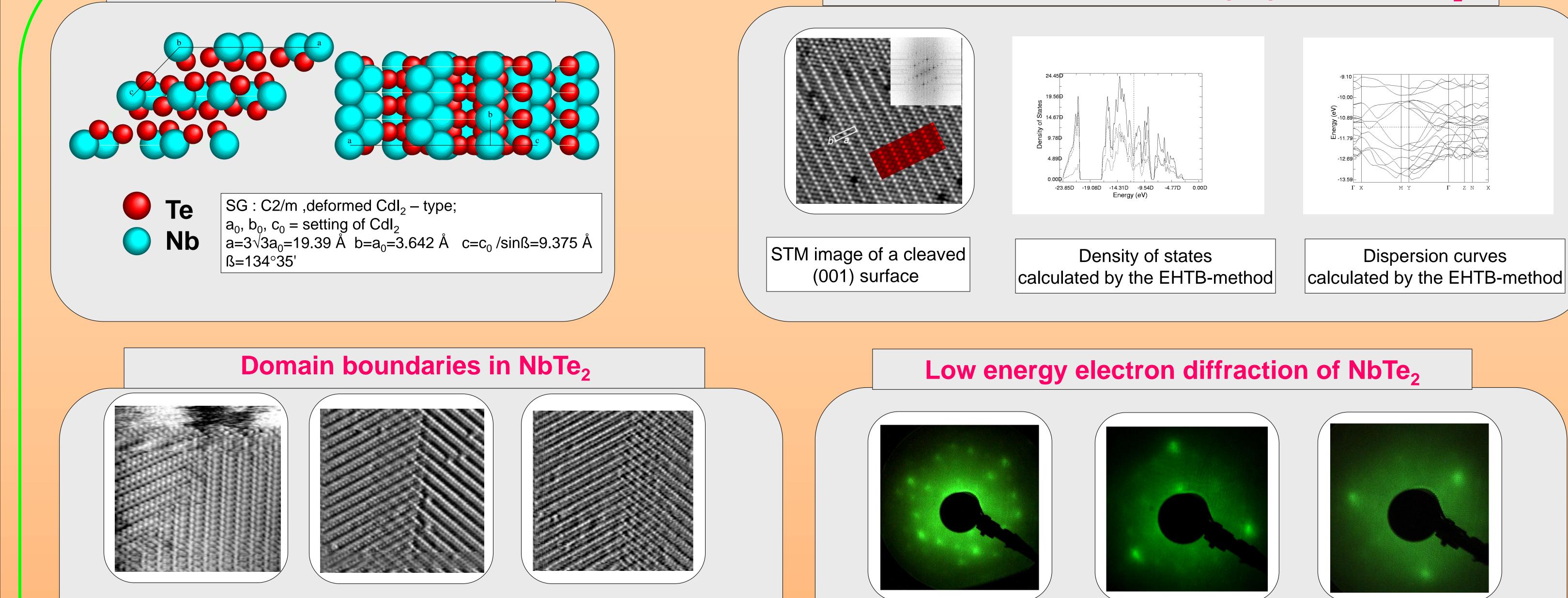


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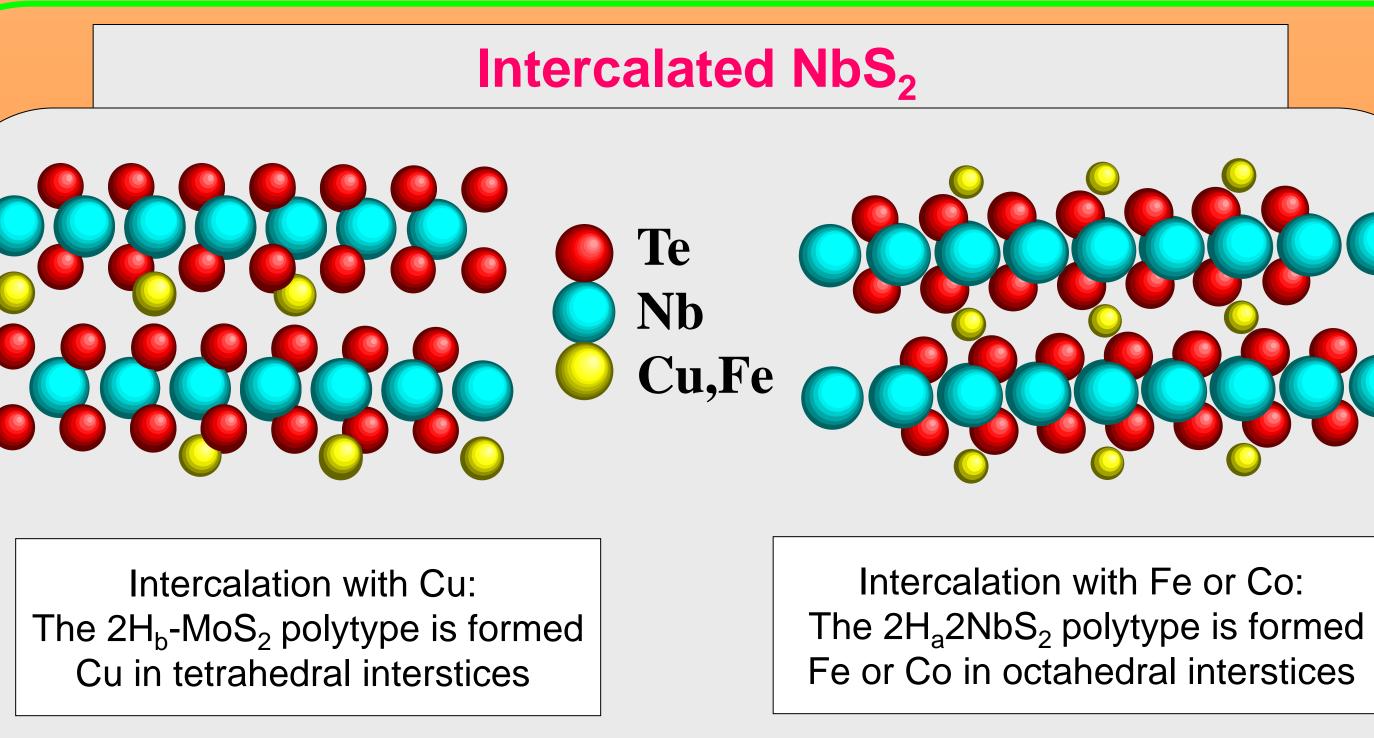
The basic structure of NbTe₂

TM and calculated electronic properties of NbTe₂



Domain boundaries formed due to a collapsed CdI_2 structure. Two orientational variants, 60° (left) and 120° (middle), the same area as the picture in the middle scanned a few seconds later (right)

LEED as a function of the electron energy 80 eV (left), 89 eV (middle) and 113 eV (right)



Superstructures formed by intercalation

