Role of step edges on the structure formation of α-6T on Ag(441)

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Highlights

- Ag(441) surface is formed by Ag(331) and Ag(551) building blocks.
- α-6T molecules align uniaxially along the step edges.
- Preferred adsorption sites depend on the α-6T coverage.
- Faceting of the Ag(441) surface changes upon α-6T deposition.
- On top of the two layer thick wetting layer, 3D crystallites form.