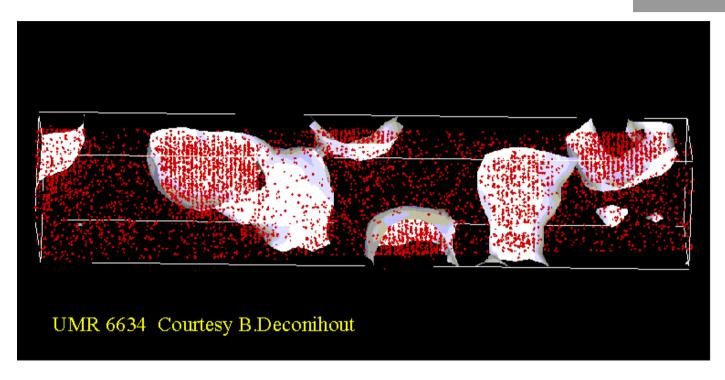
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Nickel based Superalloy





Three-dimensional reconstruction of a small volume (8x8x45 nm³) of a nickel base superalloy (3.1% Al, 25.5% Cr).

This is the image related to Al. Al atoms are red dots.

This material contains small Aluminium-enriched γ ' particules finely dispersed in a Chromium- rich γ solid solution. The Aluminium-rich planes alternate with Nickel enriched/Aluminium depleted planes with a periodicity equal to half the lattice parameter (a=0.36 nm)

Tomographic Atom Probe