

FEI Titan Aberration-corrected TEM-STEM (TEAM)

Techniques/Capabilities:

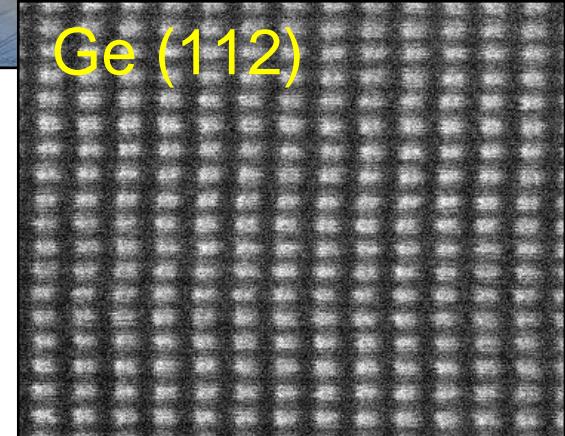
- 300-kV Schottky field-emission gun (FEG)
- CEOS dodecapole probe (STEM) aberration corrector
- Gun monochromator
- Post-column Gatan imaging filter (GIF)
- Gatan 794 retractable 1024^2 CCD camera
- Fischione HAADF (Z-contrast) and Gatan BF/DF STEM detectors
- CompuStage SuperTwin lens ($\pm 30^\circ$ tilt)

Current Research Activities:

- Instrument provided as part of the TEAM (Transmission Electron Aberration corrected Microscope) project by the Office of Science, U.S. Department of Energy
- Principal TEAM task at ORNL is to demonstrate 0.05-nm STEM resolution or identify items limiting resolution



Ge (112)



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