Materials Science and Technology

University of Crete

Project in Surface Science and Nanomaterials

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Subject: Scanning Tunneling Microscope (STM)

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Contents of my presentation

* History
* How the microscope works
* Uses of this method
* Tunneling current
* An example with numbers
* Photo gallery
* Bibliography



Image source: Iron atoms on the surface of Cu (111) http://physics.stackexchange.com/questions/63043/dark-and-bright-areas-around-atoms-in-a-scanning-tunnelling-microscope-image



Image source: http://concord.org/stem-resources/scanning-tunneling-microscopy



Image source: Diagram and photo of microscope http://hoffman.physics.harvard.edu/research/SPSTMresearch.php

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