Resource Summary Report

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UC Davis Crocker Nuclear Laboratory

RRID:SCR_012486
Type: Tool

Proper Citation

UC Davis Crocker Nuclear Laboratory (RRID:SCR_012486)

Resource Information

URL: http://www.scienceexchange.com/facilities/crocker-nuclear-laboratory-uc-davis

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Description: Crocker Nuclear Laboratory hosts a diverse group of research programs, nearly all of which are related to applied science programs. Constructed in the mid-sixties, CNL, houses a low energy particle accelerator. The accelerator, an isochronous cyclotron, is one of the few of this design remaining in productive operation. The Crocker Nuclear Labortory""s Isochronous Cyclotron began operating in 1965, accelerating protons, alpha particles, and other light ions into various targets to study nuclear structure. Instead of the uniform magnetic fields used in the earlier cyclotrons, the isochronous design employed tailored sectors with a varying magnetic field. This design compensated for increases in the mass of ions as they accelerated, both focusing their paths and keeping them in resonance at high energies. In its day, this design was considered a major technological breakthrough.

Abbreviations: UCD CNL

Synonyms: University of California Davis Crocker Nuclear Laboratory

Resource Type: core facility, access service resource, service resource

Funding:

Resource Name: UC Davis Crocker Nuclear Laboratory

Resource ID: SCR_012486

Alternate IDs: SciEx_245

Record Creation Time: 20220129T080310+0000

Record Last Update: 20250426T060251+0000

Ratings and Alerts

No rating or validation information has been found for UC Davis Crocker Nuclear Laboratory.

No alerts have been found for UC Davis Crocker Nuclear Laboratory.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Silva RM, et al. (2014) Instillation versus inhalation of multiwalled carbon nanotubes: exposure-related health effects, clearance, and the role of particle characteristics. ACS nano, 8(9), 8911.