



Department of Earth and Planetary Sciences
X-Ray Diffraction Laboratory
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Training Fee for E&PS X-Ray Diffraction Laboratory

May 31, 2013

Effective immediately, there will be a fee for training for new users of all instruments in the E&PS X-ray Diffraction Laboratory. The fee of \$255.00 is based on the hourly rate (\$85/hr) for “Work done by Lab Personnel” with three (3) hours allotted for the “core” operational training per instrument for each of our three instruments including:

- Scintag PadV powder diffractometer
- Rigaku SmartLab instrument
- Rigaku D/maX Rapid II instrument

Prior to training, all users must demonstrate their knowledge of safe X-ray Lab operating procedures with UNM’s SHEA Radiation Safety office, and be approved by them to proceed with lab training. See the web page at <http://epswww.unm.edu/xrd/lab-use.htm> for exactly how this is done.

Training is for basic instrument operations including startup and shutdown, mounting samples for analysis, interaction with system control software to include setup for data collection, and collection and saving of data to a “personal” data folder. Details of what is covered in the training vary somewhat depending on the instrument, and some advanced techniques (notably high-resolution work with thin films and the use of the non-ambient high-T stage on the SmartLab) will not be covered. ***Analysis and interpretation of collected data is not a part of the basic instrument operational training.*** A maximum of two (2) users may be trained simultaneously for a single training fee.

Trainees must supply the lab administrator with a Banner index (and name of responsible PI) to cover the training cost, or arrange for alternate payment. There will be no additional charge for any data collected during the training session. ***Any questions concerning training should be directed to the Lab Manager, Jim Connolly (connolly@unm.edu).***