





PRESSURE CONTROL  
30 300 1000 3000  
MILLITORR  
3000 MILLITORR  
ATM CLOSED INCREASE INCREASE  
30 300 1000 3000  
MILLITORR  
HUMMER

PROCESS CONTROL  
MANUAL  
MINUTES  
AUTO

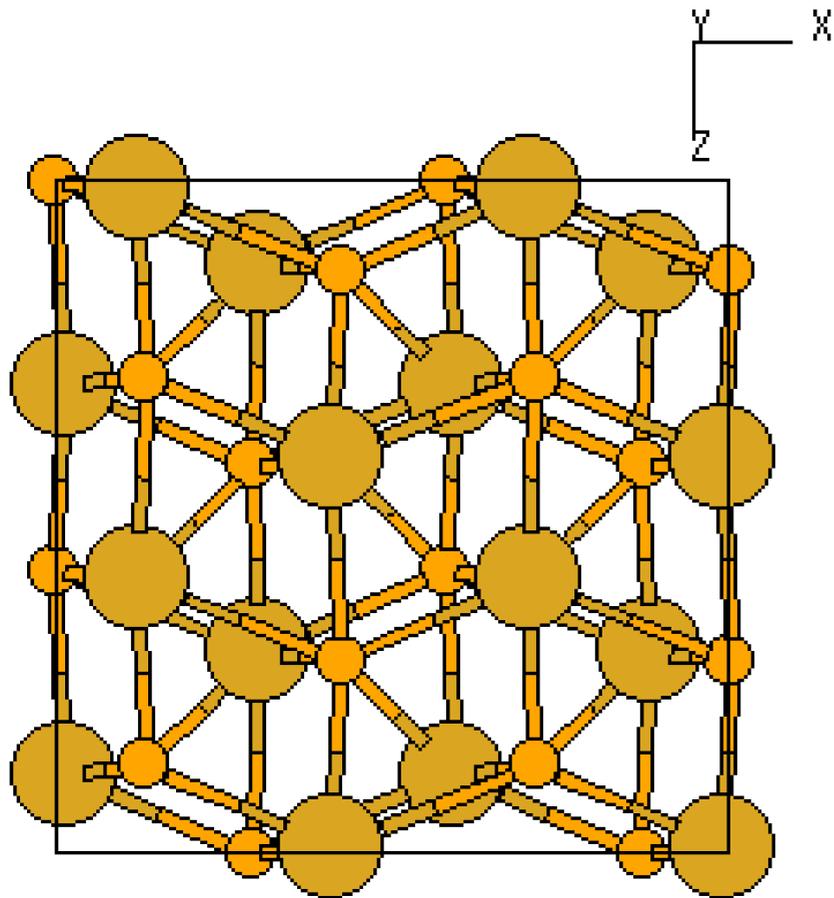
HIGH VOLTAGE CONTROL  
ON OFF  
VOLTS  
VAC PUMP HI VOLT POWER

TECHNICS

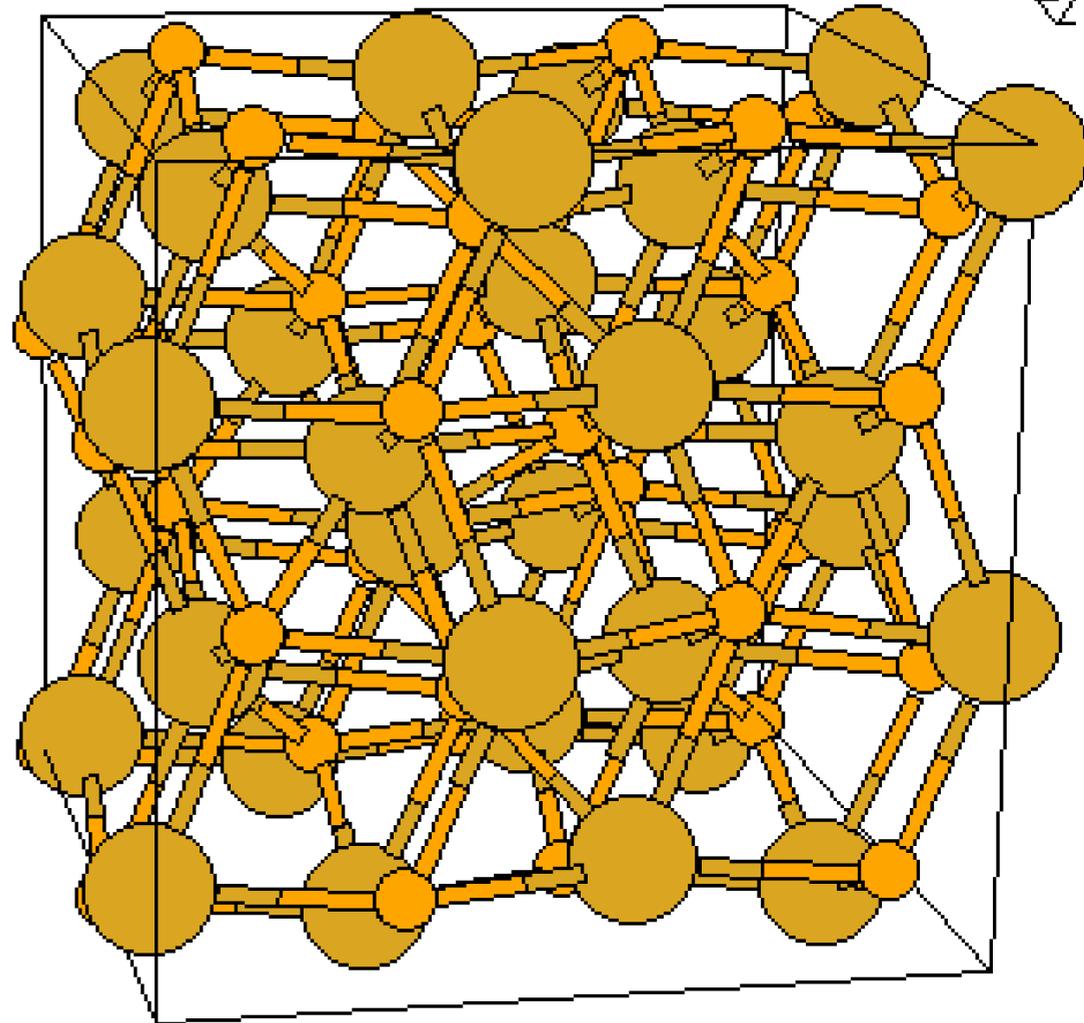
DO NOT TARGET THIS  
TURN OFF PUMP WHEN USE



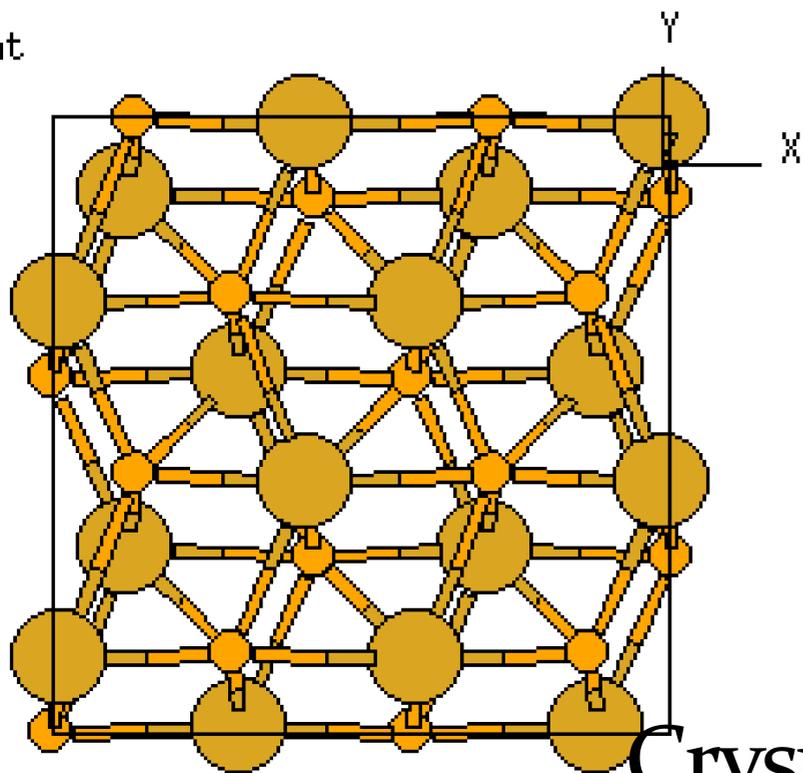
Top



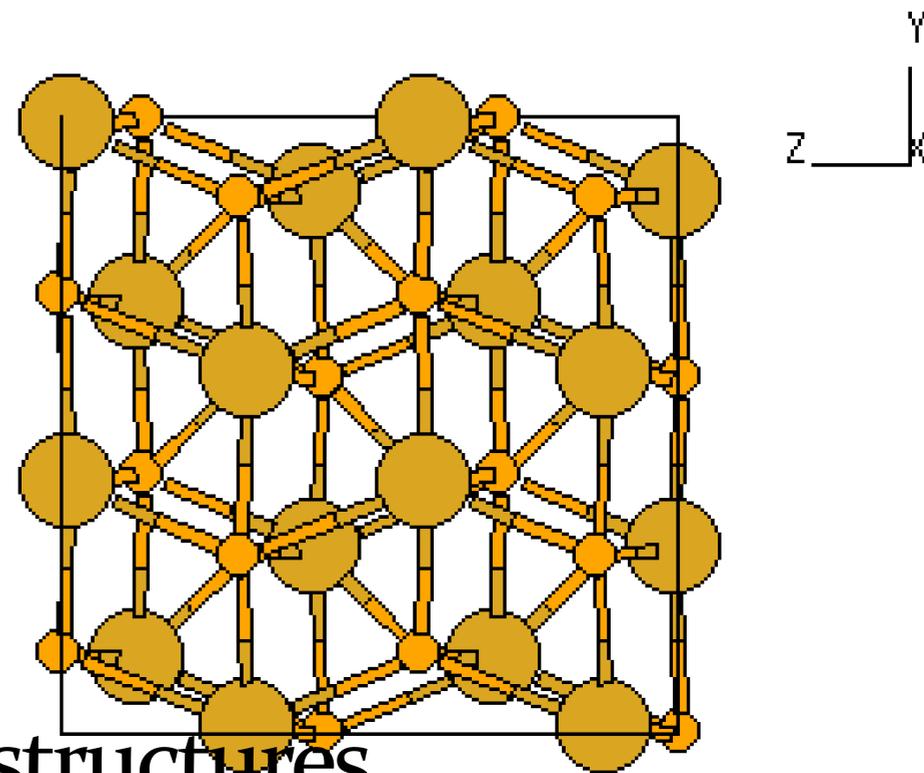
Active



Front

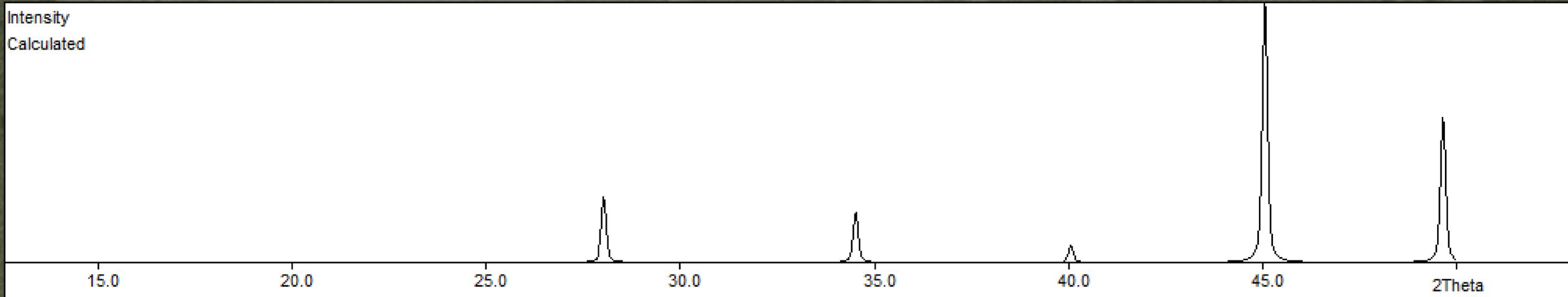


Right



Crystal lattice structures

<http://cst-www.nrl.navy.mil/lattice/struk/b20.html>



$$n\lambda = 2d \sin \theta$$

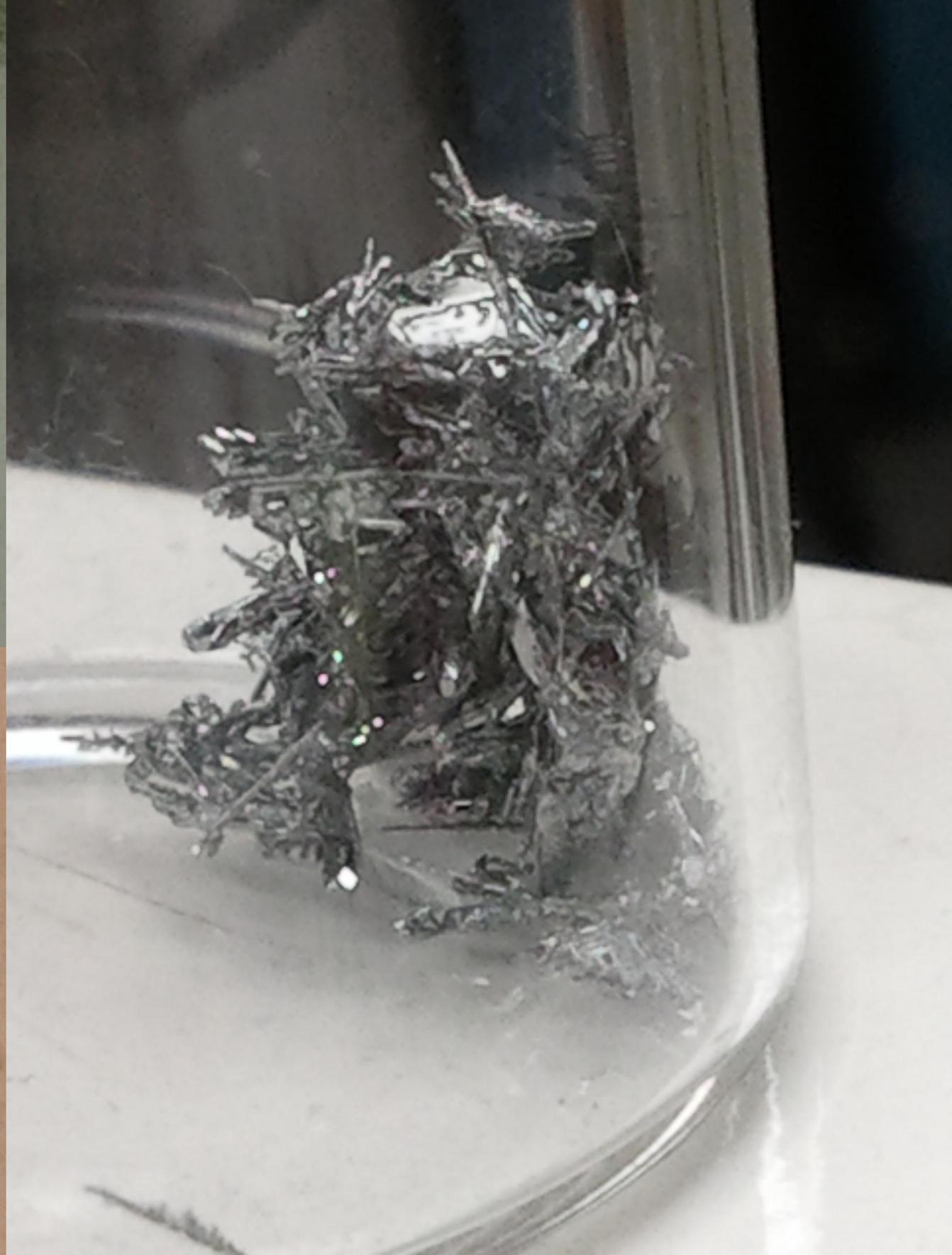
$n$  is an integer

$\lambda$  is the incident wavelength

$d$  is the distance between crystal planes

$\theta$  is the angle between incident ray and plane

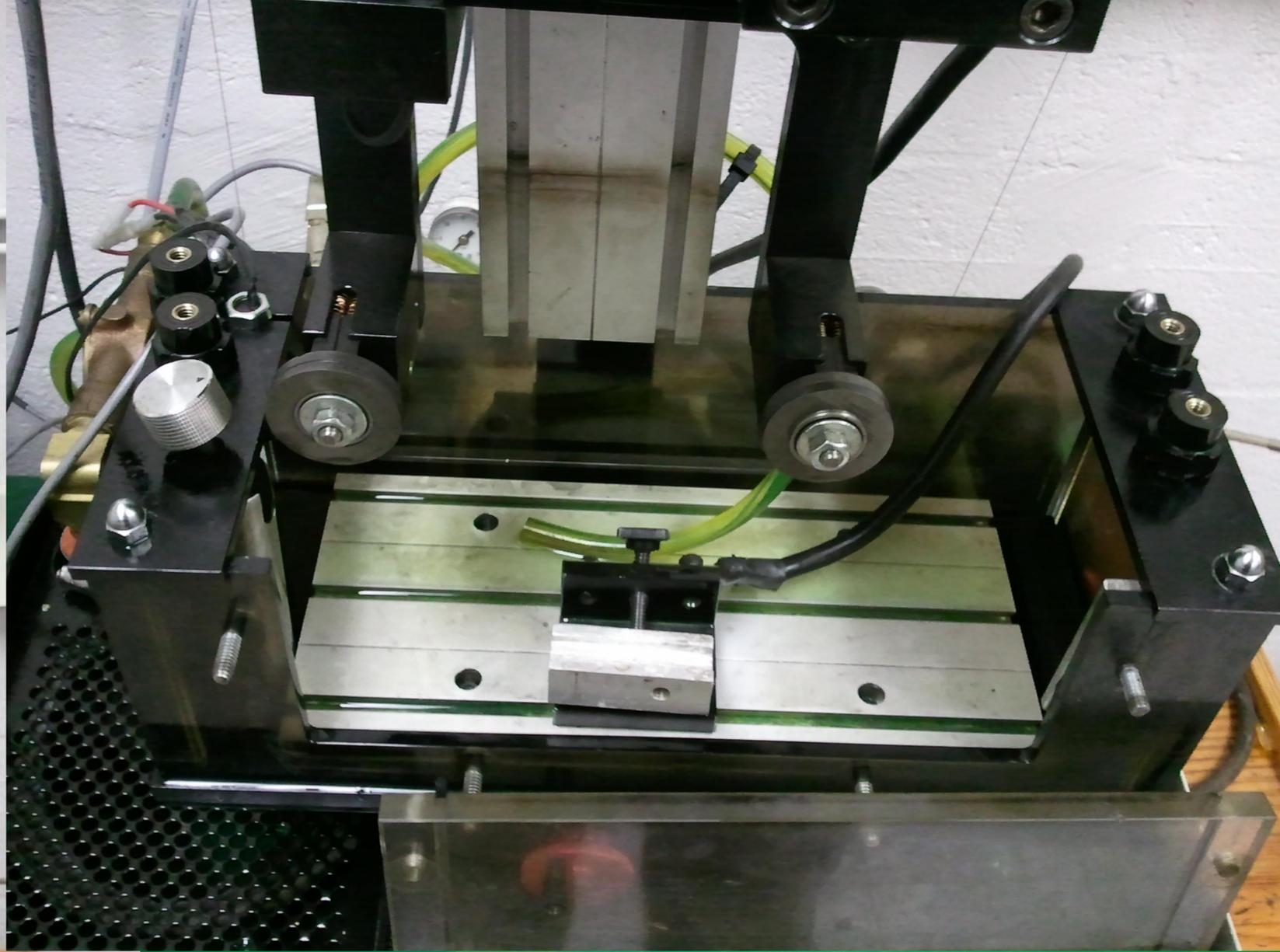
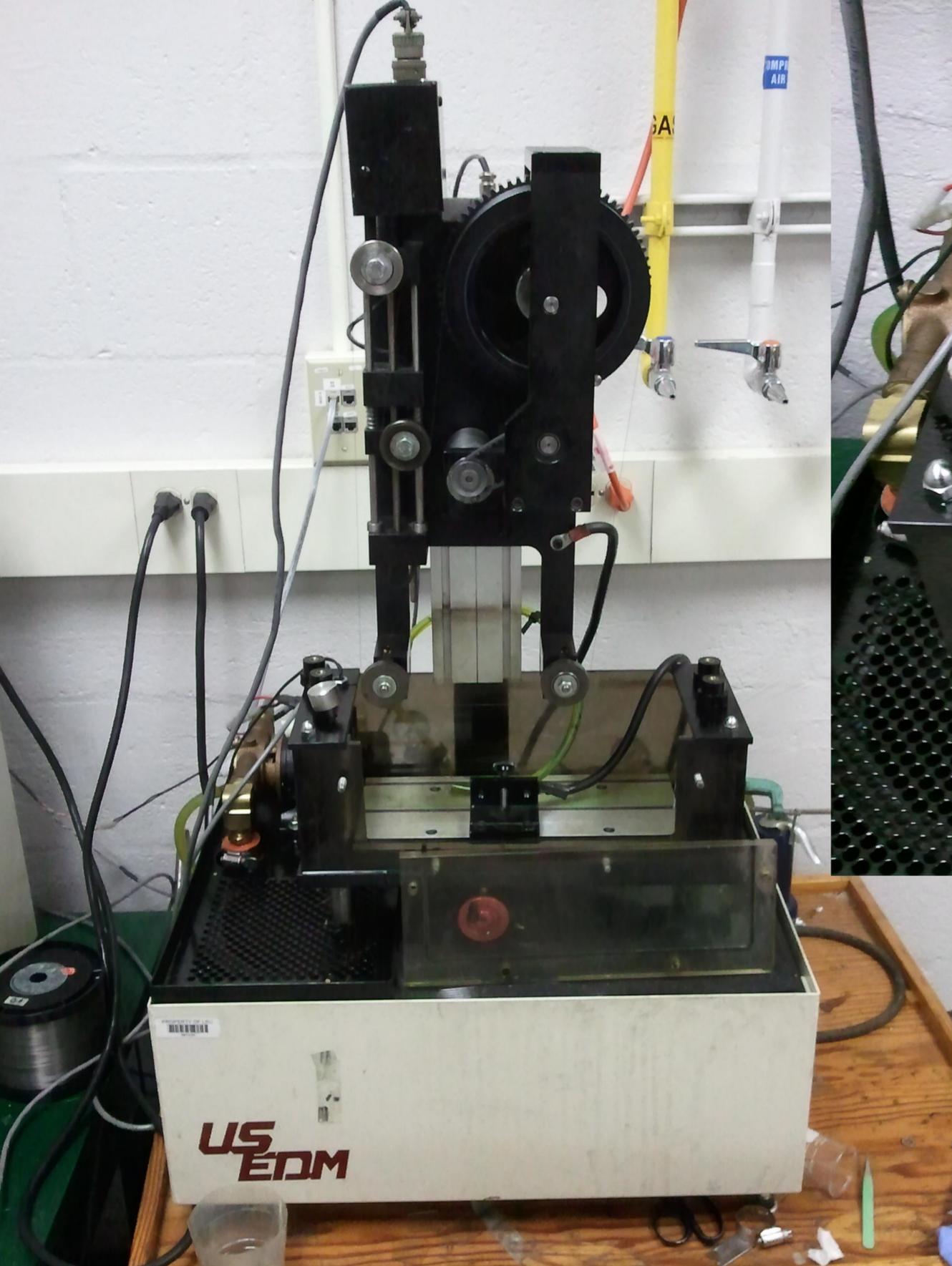
MnSi

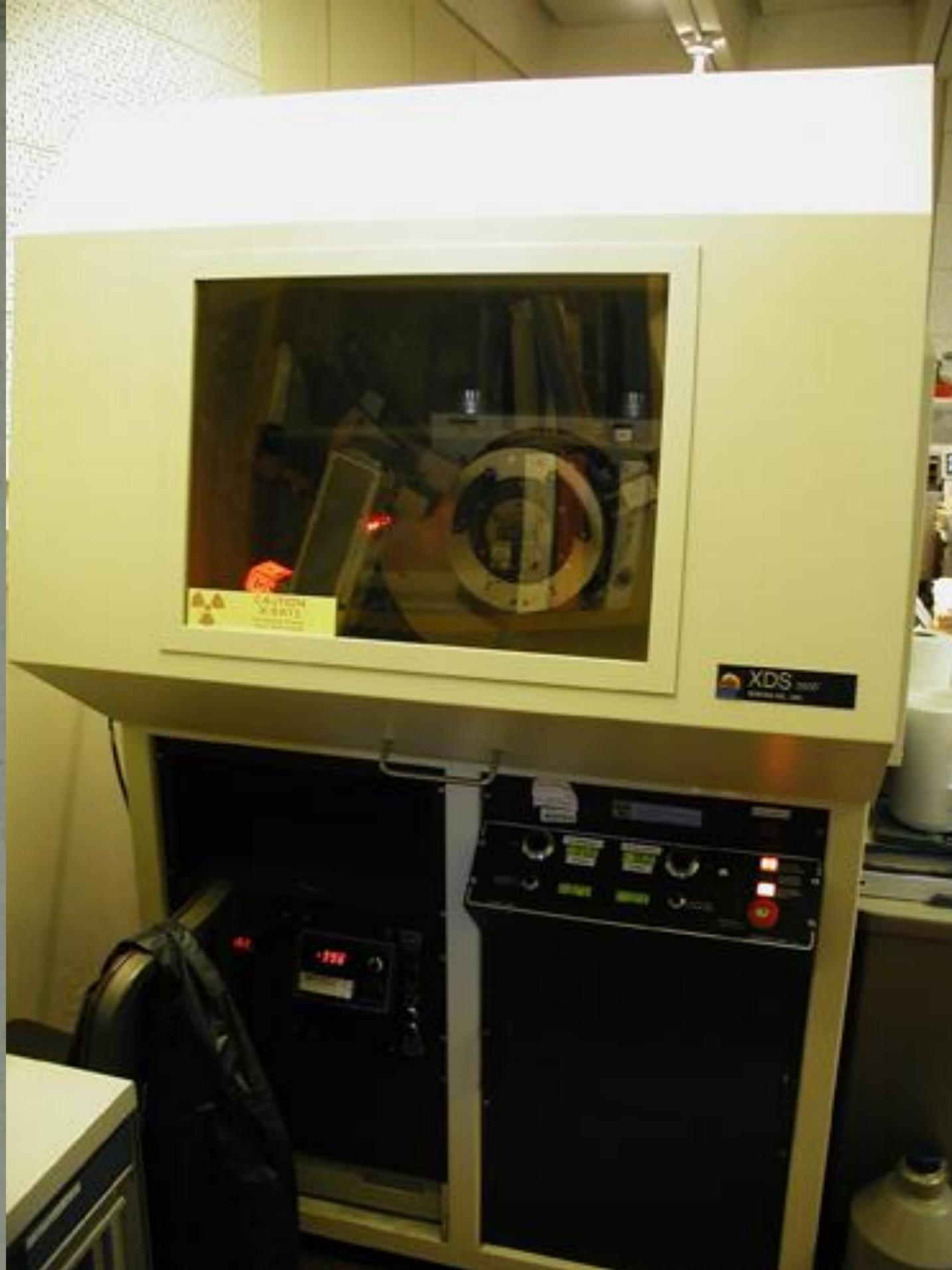








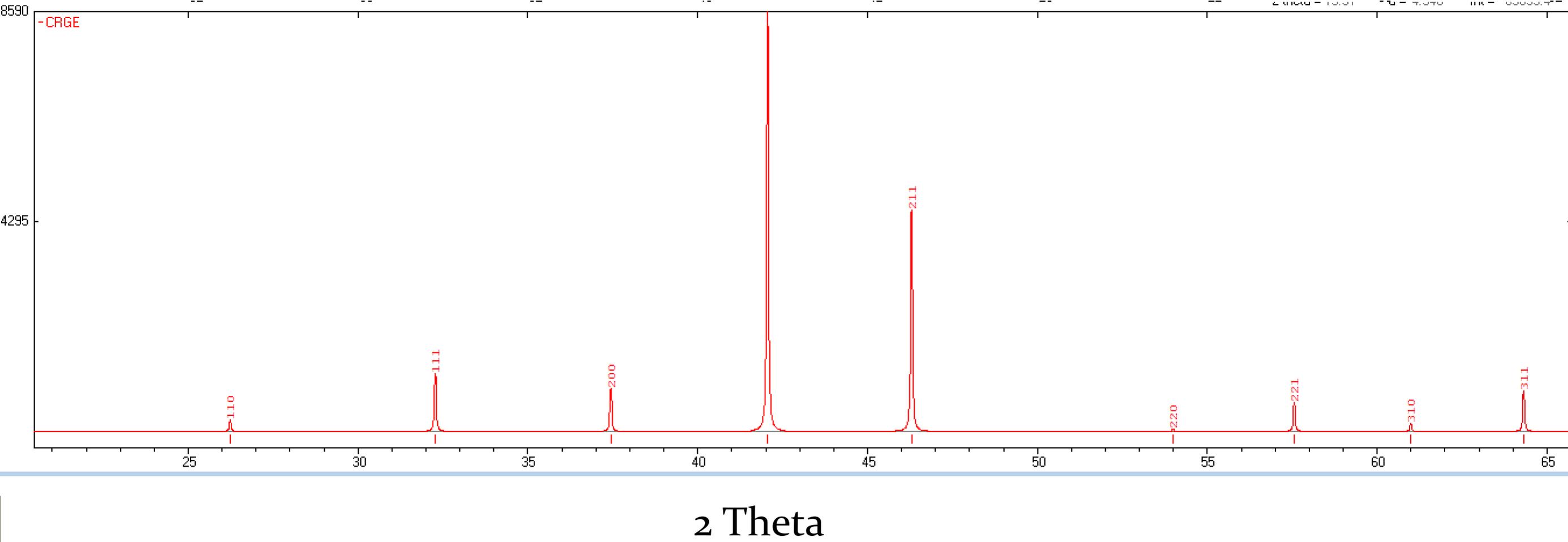
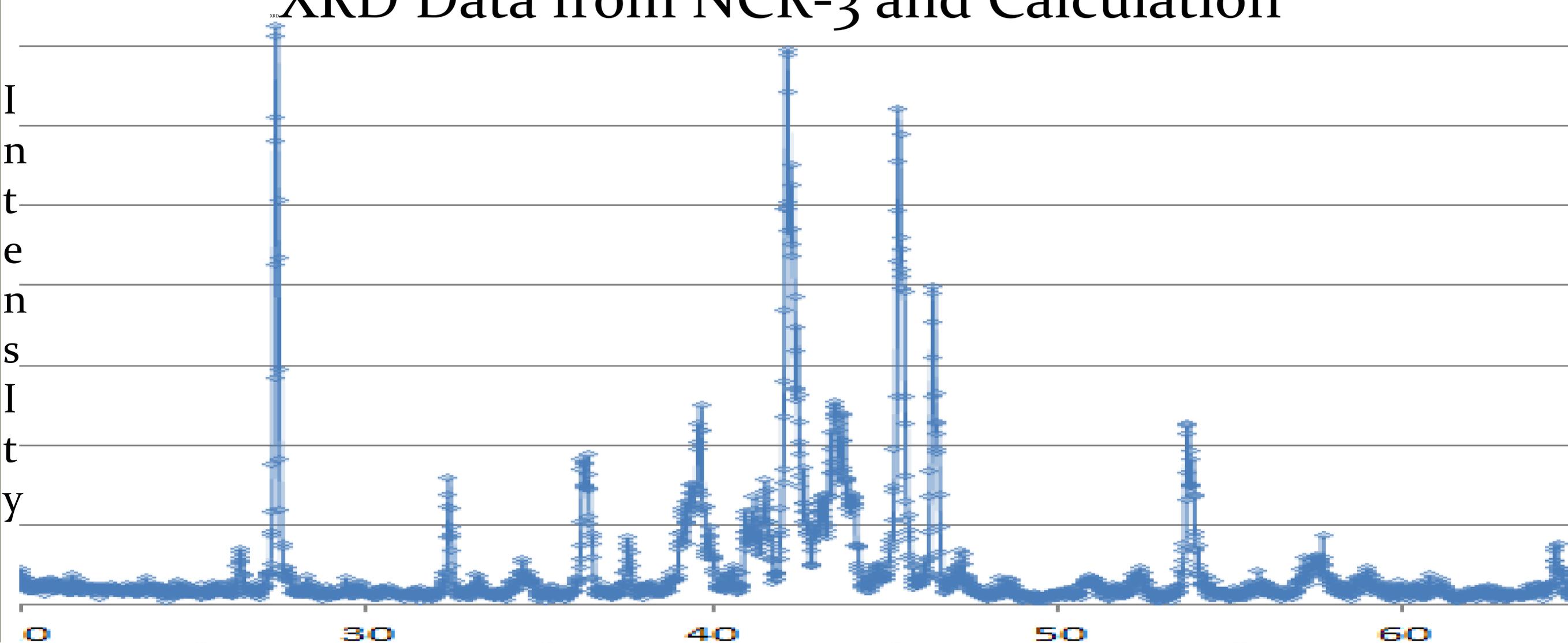




<http://schwehr.org/blog/archives/2005-10.html>

# XRD Data from NCR-3 and Calculation

I  
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s  
i  
t  
y





- NCR-4

# XRD Data from NCR-4 and Calculation

I  
N  
T  
E  
N  
S  
I  
T  
Y

