

The Ion Beam Laboratory (IBL) SAND2008-8005P

Replacing a 50-year old temporary building that supports production, design, and science

Existing Ion Physics Lab an NNSA “Mission Critical” facility (FIMS 884)



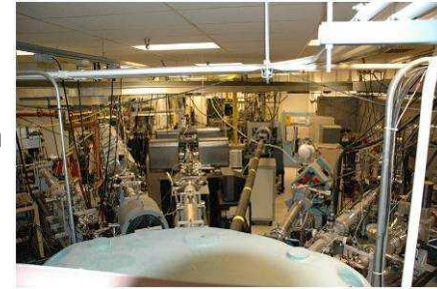
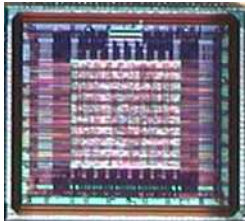
Production

Backup composition analysis for neutron tube target certification

Design

Testing to support microelectronic integrated circuit (IC) design

Testing for electronic circuit qualification in radiation environments (QASPR)



Science

Composition analysis and materials behavior for neutron tube materials

Ion-solid interactions to understand damage production in radiation environments



On the D&D list, in
“run-to-failure” mode



Replacement facility construction project - IBL \$39.6M Total Project Cost

Funding Profile:

FY08 Appropriation 08-D-806: \$ 9.911 M
MESA Savings: TEC \$18.811 M OPC \$ 5.480 M
FY09 FYNISP: \$10 M (RTBF)

Baseline Schedule: CD-4 Q3 FY12

**Need to reprogram the MESA \$ to
the IBL construction line item**

