POLARIZED TARGET

Readiness of Subsystems

Subsystems

5 T Magnet

OVC aka Scattering Chamber

Refrigerator

Insert

- Material (NH₃)
- Microwave System
- NMR system
- Installation

5 T Magnet

- In Storage since 2002
- To be assembled and set up in EEL in October (Target Group and UVA)
- OVC being fabricated and will be completely leak checked at company. Delivery, end of summer

ALLIMINIUM MOISOG1 TG51 AMS -00A/250/11 - 0.25 17/11/31491 OUTSIDE HOLETT RESIDENCE MORRES TOST 185 - 400 COM 1 - 0 25 TOM 25 TO 12 AND 185 - 400 COM 1 - 0 25 TOM 25 T . 00 ALUMINI 57d P 0100-0-40569 6mg MET RICH 1100-0-60519 4-7 JNS. TREL 1887 DAME RETENDE ALUMINI 301510 ALUMINI 7787 75 NL 15 NL 14 675048-0015 OUTSIDE DOCE TOTAL AMS -000/250/11



Refrigerator

- Stored at UVA
- Cleaned up and corrosion removed
- Instrumentation being checked

4 Inserts

- All cups being replaced
- Instrumentation being checked and replaced as necessary



Material

- ¹⁴NH₃ ~200 g Irradiated last Thursday & Friday
 + ~ 150 g irradiated previously
- ¹⁵NH₃ ~150 g Various states of irradiation
- ¹⁴ND₃ ~150 g Various states of irradiation
- ¹⁵ND₃ ~>150 g Various states of irradiation
- ⁶LiD ~200 g Irradiated

Microwaves

140 GHz EIO Tubes – 3 (UVA),
 1 + 1 (JLab)

- Power Supplies 2 (UVA), 1 (JLab)
 2 Tubes and 2 supplies in use recently
- Frequency and Power measurement and Waveguide components on hand.

NMR Instrumentation

- Q meters 11 (+ 4 acquired recently and components to make at least two more (UVA)
 4 (JLab)
- Instrumentation and Software
 On hand and working

Comments

- Procedures same as previously
- Division of labor between UVA target people and JLab Target Group about the same as previously.
- Move to Hall in May '08. 6 8 weeks to install and get operational.

UVA Personnel

- D. Crabb
- D. Day
- K. Slifer
- V.Tvaskis

- M. Commisso
- J. Maxwell
- J. Mulholland

+ 2 to 3Undergraduates(summer)