

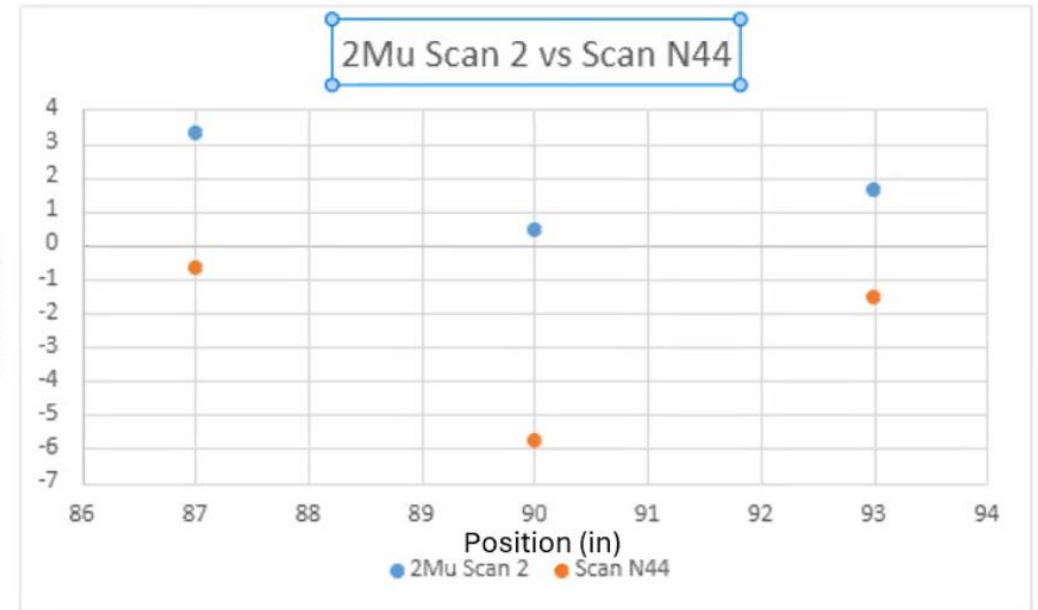
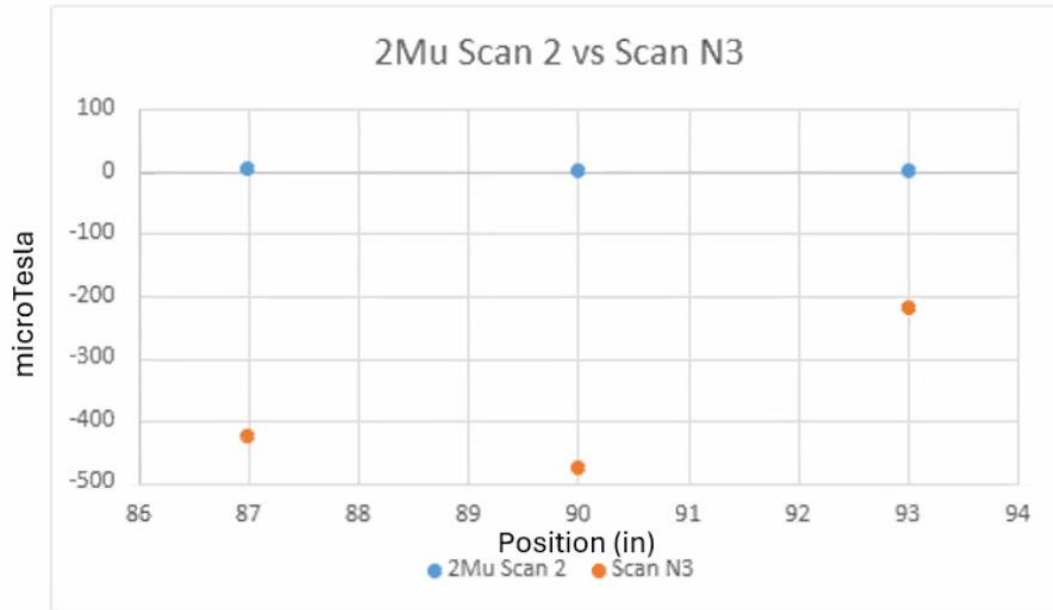
# Agenda of ORNL-UTK-UKY-LU zoom meeting

## February 10, 2026, at 3:30 PM EST

1. Evan/Yuri - Shielding factor with two layers in Mu-prototype 10 min
2. Linus/Nathan - Status of calculations for the paper 10 min
3. Alina/Matt - background variation in nTMM analysis 10 min
4. Yuri - Kyle Grammer on fast n peak in GP-SANS detector 5 min
5. Mubi-UKY update 10 min
6. Linus-LU update 10 min
7. Shaun - plan for transportation of magnets from HFIR to UT 5 min
8. AOB

# Initial Comparisons

Bartington 3D magnetometer  
with max field is 10 Gauss



Scan N3: +C, -1Mu, +BP, -DG

2 Mu Scan 2: + C, +2Mu,  
+BP, +DG

$\Delta mT$  at  $x = 90$ : 475.213 mT

SF (2Mu Scan 2)  $\approx 1010.09$

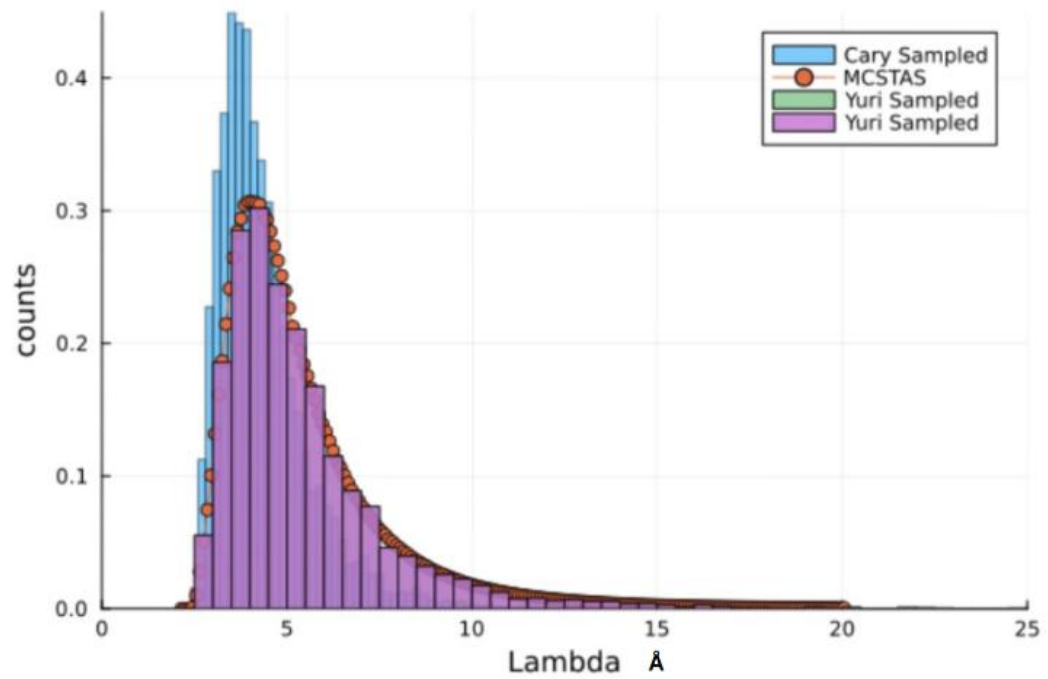
SF (N44)  $\approx 82.70$

Second  $\mu$ -layer adds  
shielding factor of  $\sim 12$

Scan N44: +C, + 1Mu,  
+BP, +DG

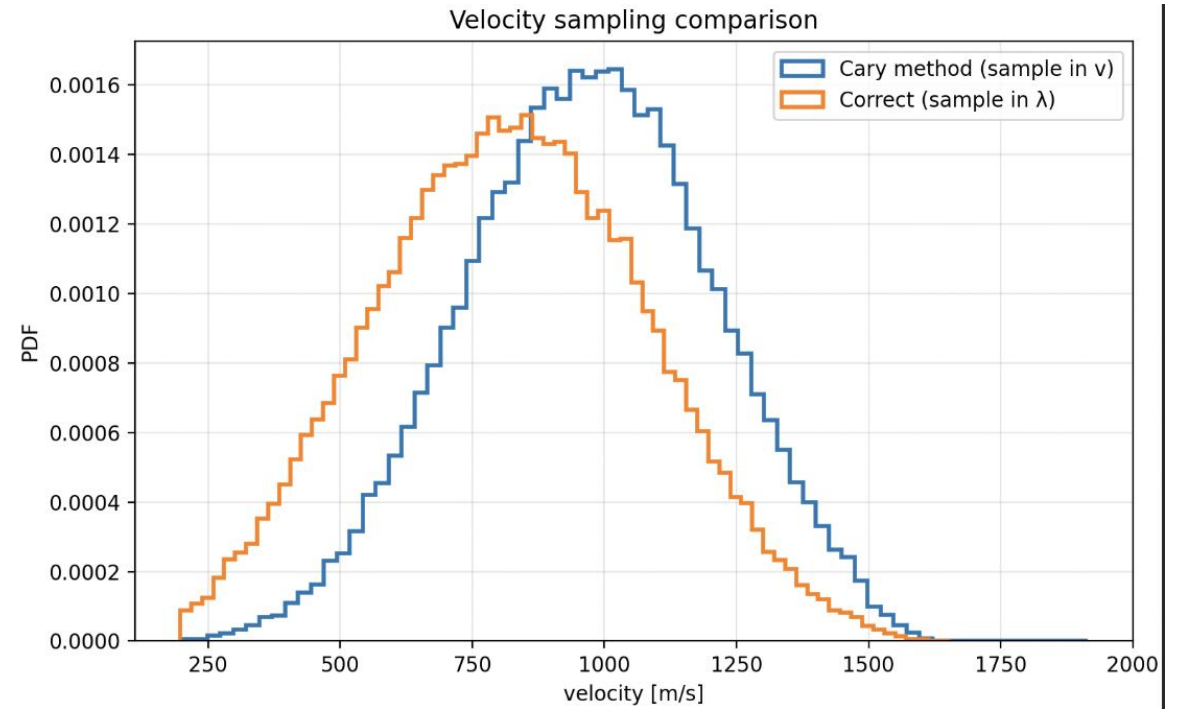
2 Mu Scan 2: + C, +2Mu,  
+BP, +DG

$\Delta mT$  at  $x = 90$ : 5.27 mT



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Nathan Whittington



Linus Persson

# GPM & Detector Counts over Current (in order of runs)

