

Agenda For May AARM Meeting

May 20

All sessions will be accessible remotely via ReadyTalk (866-740-1260)

12:30 – 1:45 over box lunch (*access code 1626019#*)

AARM (Website and other common tools). P. Cushman

Discussion of what the community needs on the site

Task assignment and prioritization

G2 collaboration infrastructure priorities R. Schnee

*Discussion: Resource-sharing to/from broader
community informed by these priorities.*

$0\nu\beta\beta$ background infrastructure priorities J. Detwiler

2 – 7 SURF Tours

or

2 – 5 LZ- SuperCDMS meeting (*remote connection available – see email*)

May 21: (*access code 8253919#*)

*All talks provide bullet points for discussion. Unless otherwise designated,
assume 15 min for the talk and 5 minutes for discussion. Discussion topics that
require more time should be noted by the working group leaders and revisited
during the parallel sessions.*

8:30 Screening

Surface Screening with XIA

Large volume screening detector

Beta Cage

ICPMS advances

J. Cooley

J. Reichenbacher

R. Schnee

E. Hoppe

9:30 Radon mitigation

Low radon clean rooms

Update on the BHUC

R. Bunker

B. Mount

10:15 Coffee

10:45 Radiogenics, alpha-n

Code comparisons and cross sections

neutron-channel reaction codes

S. Scorza

C. Zhang

11:25 Simulations

GEANT4 status and prospects

FLUKA vs Geant

D. Wright

A. Kennedy

Depth Requirements for G2 LAr
Cosmogenic Activation codes

A. Hime
D.M. Mei

12:45 Lunch provided

2:00 Neutrons

Neutral particle simulations for PICO-2L (20 min)
Veto shield and neutron correlations
Simulating gammas from Gadolinium
Annual modulation at Soudan LS detector (10 min)

A. Robinson
A. Villano
Y. Chen
C. Zhang

3:20 Coffee

3:50 - 5:30 Working Groups in parallel (with coffee available)

Cleanliness protocol, Surface Contamination & Radon Plateout

Leaders: R. Bunker, J. Cooley (*access code 8253919#*)

Priorities in simulation and neutron background estimation

Leaders: A. Villano, D. Wright (*access code 1626019#*)

5:30 - 6 Report from working groups – integration discussion

7:00 Dinner