

Agenda for EDM Meeting
February 22-23, 2001

Note that speakers should be thought of as more of a discussion leader than formal presenter. A recorder is assigned to each session in order to obtain rough set of notes from the discussion that takes place during and after each talk. Speakers should try to provide a copy of their transparencies.

February 22

Recorder: Martin Cooper

09:00 – Welcome and statement of purpose – Paul Huffman (NIST)

09:15 – Overview of the experiment, highlighting the primary technical areas that will need addressing during this meeting – Steve Lamoreaux (Los Alamos)

09:55 – The Proposed Physical Layout, a level 0 working design – Jan Boissevain (Los Alamos)

10:30 – Coffee

Recorder: John Doyle

11:00 – Status of recent measurements and calculations of the production and storage time of UCN in a deuterated TPB cell – Jen-Chieh Peng (Illinois)

11:30 – The Scintillation Process and Light Collection, Backgrounds – Paul Huffman (NIST)

12:15 – Lunch

Recorder: Tom Gentile

13:30 – Production of polarized ^3He , making it and getting it in – Justin Torgerson (Los Alamos)

14:00 – Measurements of ^3He distributions and diffusion times – Mike Hayden (Simon Fraser)

14:30 – Ultra-pure ^4He , getting the ^3He back out – Jan Boissevain (Los Alamos)

15:00 – Coffee

Recorder: Mike Hayden

15:30 – Depolarization of ^3He in the Cell – Tom Gentile (NIST)

16:00 – Magnetic Pickup of the ^3He Precession – Dmitry Budkar (UC Berkeley)

16:30 – SQUID Systems – Michelle Espy (Los Alamos)

Recorder: Justin Torgerson

17:00 – Open discussion of ^3He and cell related issues – moderated by Steve Lamoreaux (Los Alamos)

19:30 – Dinner

February 23

Recorder: Paul Huffman

09:00 – Cold neutron beam issues (polarization, spin transport, spin flipping, shielding) – Martin Cooper (Los Alamos)

09:30 – Storage of UCN, polarized beam UCN production (including non-9Å production estimates), depolarization issues – Bob Golub (HMI)

10:00 – The storage of UCN in cryogenic vessels, plans for scintillation studies in deuterated cells – Ekaterina Korobkina (HMI)

10:30 – Coffee

Recorder: Michelle Espy

11:00 – Electric and magnetic field in the measurement cell – Richard Mischke (Los Alamos)

11:30 – Major cryogenic issues – James Butterworth (ILL)

12:00 – Lunch

Recorder: Martin Cooper

13:30 – Discussion and/or expansion of scientific issues not fully addressed – (moderated by Bob Golub, HMI)

14:30 – Status of the written proposal – Peter Barnes (Los Alamos)

15:00 – Coffee

Recorder: Jen-Chieh Peng

15:30 – Schedule, Cost and Funding (moderated by Martin Cooper, Los Alamos)

16:30 – Development of a working plan for carrying forward the experiment (moderated by Steve Lamoreaux, Los Alamos)