

Agenda LEGEND meeting 15-17 May 2017 at LNGS

<https://agenda.infn.it/conferenceDisplay.py?ovw=True&confId=12989>

meeting room = 'Majorana' in the administration building

Monday 15 May:

Introduction chair: Henry Wong

9:00 welcome

9:10 news from MJD Jason Detwiler

9:30 news from GERDA Anna Zsigmond

9:50 CDEX/CDEX-II Qian Yue

10:10 - 11:10

* parallel session: meeting of working groups

11.10 - 11.40 coffee break

11:40 welcome by LNGS director Stefano Ragazzi (tbc)

11:45 - 13:30 WBS presentations, chair: Keith Rielage

1.02: host labs

11:45 overview Iris Abt

12:00 Ge77m neutron background Christoph Wiesinger

12:15 Neutron induced bkg in Majorana Ralph Massarczyk

1.03: material screening and assay

12:30 overview Yuri Efremenko

1.04: copper electro-forming

12:45 overview Cabot-Ann Christofferson

1.05: enriched Ge production

13:00 overview Chang-Hong Yu

13:15 time buffer

lunch 13:30-14:30

14:30 - 16:00 continuation WBS presentations, chair: Vasily Kornoukhov

1.05: continuation

14:30 current Ge production Bernhard Schwingenheuer

14:45 chemical purification plant Oleg Selivanenko

1.07: front-end, cables, connectors

15:00 overview Alan Poon

15:20 R&D on Majorana cables/connectors Matthew Bush

15:35 CMOS CSA ASIC for HPGe detectors Zhi Deng

15:50 ASIC plans at LBNL Paul Barton

16:30 transfer to GSSI in L'Aquila

17:00 welcome and introduction to GSSI by Eugenio Coccia
17:15 LEGEND project by Steve Elliott
18:00 aperitif
19:00 end

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Tuesday 16 May

8:45 - 11.00 continuation WBS presentations, chair: Ivan Stekl

1.06: detectors
8:45 overview Stefan Schönert
9:00 Overview of HPGe Detector R&D David Radford
9:15 crystal pulling at IKZ Frank Kiesling
9:30 Ge68 activation Steve Elliot
9:40 reducing Rn daughters on surfaces Grzegorz Zuzel
9:55 PSD measurements inverted-coax Yoann Kermaidic
10:10 PPC (OPPI) in LAR Konstantin Gusev / Jozsef Janicsko
10:25 surface alpha scan of PPC det. Susanne Mertens / Julieta Gruszko

10:40 - 11:10 coffee break

11:10 - 13:30 continuation WBS presentations, chair: Hao Ma

1.08: detector units (strings)
11:10 overview Matthew Busch/ Konstantin Gusev
11:25 GERDA design Konstantin Gusev
11:40 PEN material Bela Majorovits
11:55 new ideas Matthew Busch

1.09: cryostat (+ 1.10: water tank)
12:10 overview Alfredo Galindo-Uribarri
12:25 GERDA cryostat experience Karl Tasso Knöpfle
12:40 modifications for LEGEND-200 Bernhard Schwingenheuer
12:55 LEGEND-1000 baseline design(s) John Wilkerson
13:10 Neutron bkg without water tank Iris Abt
13:20 alternatives: LNe Matthew Green (TBC)

13:30 - 14:30 lunch

chair: Stefan Schönert
14:30 Science guest talk: Θ vBB: Motivations, Expectations, Uncertainties
by Francesco Vissani (GSSI)

15:10 continuation WBS talks 'cryostat'
15:10 alternatives: DUNE cryostat design Matthew Busch

15:30 - 16:00 coffee break

16:00 - 18:00 collaboration organization, chair: Thomas Nilsson

16:00 ISC activity report David Waters
16:15 Introduction to bylaws David Radford
17:15 Logo competition Stefan Schönert

18:00-19:30 Institutional board meeting

20:00 Dinner in L'Aquila

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Wednesday, 17 May

9:00 - 11:00 continuation task group, chair: Kai Zuber

1.11: active shield

9:00 overview Jozef Janicsko

9:15 LAr purification & light yield Grzegorz Zuzel

9:30 Xe doping Stefan Schönert

1.12: calibration system

9:45 overview Ralph Massarczyk

1.13: DAQ and slow control

10:00 overview Ricardo Brugnera

10:25 Mechanics of sticky events
and trace compression Håkan Johansson

1.14: simulation and analysis

10:35 overview Jason Detwiler, Matteo Agostini, M. Green

10:50 Bayesian fitting of waveform Ben Shanks / John Wilkerson

11:05 - 11:30 coffee break

11:30 - 13:30 collaboration organization, chair: Robert Varner

11:30 report on IB meeting David Waters

11:45 cost for LEGEND-200 Bernhard Schwingenheuer

11:55 collaboration communication Jason Detwiler

12:10 conferences opportunities Steve Elliott

12:20 publication plan white paper Bernhard Schwingenheuer

12:30 time buffer

13:30 - 14:30 lunch

14:30 - 17:30 Underground visit