

GERDA General Meeting 17-20 March



Tuesday, 17 March 2020 - Friday, 20 March 2020

ENEA: Centro Ricerche Ambiente Marino Santa Teresa

Scientific Programme

Tuesday 17 March 2020

Starting time: 9:00

Duration: all the day

Aim: Technical review of all the steps for a safe unblinding

Room: ~15 persons

Wednesday 18 March 2020

session 1: 09:00 - 10:30

External Talks

Chair: Carla

09:00 Presentation

09:10 3 talks from speakers of the Institute ($3 \times 20 = 60$ m)

10:30-11:00 coffee break

session 2: 11:00 - 13:00

Data Quality, Energy Scale

Chair:

11:00 data sets, selection and quality [Elisabetta]

11:20 performance, effic. of quality cuts [Yoann]

11:35 ZAC: parameters, performance in Phase II [Valerio]

11:55 Energy scale: parameters of interest [Chloe]

and systematic uncertainties

12:25 Cross talk update [Thomas]

13:00-14:30 lunch

session 3: 14:30 - 16:30

LAr, PSD, Efficiencies and Systematics

Chair:

14:30 LAr veto performance and final parameters [Christoph]

14:45 PSD coax [Yoann/Vikas]

15:15 PSD BEGe/IC [Anna]

15:45 PSD effic. and syst. uncertainties coax [Vikas]

16:05 PSD effic. and syst. uncertainties beGe/IC [Tommaso]

16:30-17:00 coffee break

session 4: 17:00 - 18:30

Dead layers, Statistical methods

Chair:

17:00 Dead layers and active volume [Katharina]
17:20 Statistical Analysis Proposal and sensitivities [Matteo]
17:50 Statistical analysis implementation
characterization and performance [Lolian]

18:30 Collaboration Board
Thursday 19 March 2020

session 5: 09:00 - 10:30
Gamma Lines, Time analysis, Analysis parameters
Chair:

09:00 Search for Gamma lines [Elisabetta/others]
09:15 Characterization of new data set [Gabriela]
09:35 Time analysis ?? [?]
10:00 Summary of the analysis parameters [Matteo + All]
and efficiencies

10:30-11:00 coffee break

session 6: 11:00 - 13:00
Discussion + unblinding
Chair:

11:00 Continuation of Summary of the analysis [Matteo + All]
parameters and efficiencies
11:30 Unblinding [All]

13:00-14:30 lunch

session 7: 14:30 - 16:30
2nubb fit (Majorons, CPT violation)
Miscellanea
Chair:

14:30 LAr modeling [Christoph/Luigi]
15:00 Update on analysis [Elisabetta/Katharina]
15:30 neutron disappearance/sterile neutrinos [Junting]
16:00 neutron flux measurement [Ann-Kathrin]

16:30-17:00 coffee break

session 8: 17:00 - 19:00
Miscellanea (cont.)+Papers
Chair:

17:00 Investigating the bkg of GERDA by [Marie Pichotta]
76Ge(n,p)76Ga reaction studies
17:20 PSD paper (discussion) [Grzegorz]
17:40 Onubb paper (discussion) [All]
18:00 excited states [Thomas/Birgit]
18:30 calibration paper [Chloe/?]

20:30 Dinner
Friday 20 March 2020

session 9: 09:00 - 10:30
Papers (cont.) + Recollection
Chair:

09:00 IC detectors [Yoann]

09:20 birth and evolution of Ge experiments [?]
09:50 birth and evolution of GERDA [?]

10:30-11:00 coffee break

session 10: 11:00 - 13:00
close out
Chair:

11:00 SB news [Bela]
11:15 EB news [Tasso]
11:30 CB news [Josef]

13:00-14:30 lunch