

**17th AGATA week and 1st
Position Sensitive Germanium
Detectors and Application
Workshop**

Report of Contributions

Contribution ID: 22

Type: **not specified**

New technologies on passivation and segmentation

Presenter: COORDINATED BY INFN-LNL & IKP-KÖLN

Contribution ID: 23

Type: **not specified**

Continuation - to be updated- speakers

Contribution ID: 24

Type: **not specified**

R&D on novel Ge-detector geometries for ultimate resolutionn and efficiency

Presenters: COORDINATED BY GSI; GERL, Juergen (GSI)

Contribution ID: 25

Type: **not specified**

R&D on segmented p-type coaxial detectors contributions and Working Group kick-off meeting

Presenter: COORDINATED BY IFIC

Contribution ID: 26

Type: **not specified**

Demonstration of imaging applications and associated detector technologies

Demonstration of imaging applications and Compton Imaging

Detector encapsulation techniques☒

Low-power pre-amplifiers & cryostat R&D / BSD, HV, LV distribution☒

Pulse-Shape Analysis and neutron-gamma discrimination☒

Contributions and Working Group kick-off meeting

Presenter: COORDINATED BY LIVERPOOL UNIVERSITY

Contribution ID: 27

Type: **not specified**

Continuation

Contribution ID: 29

Type: **not specified**

Continuation of session 1

Presenter: INFN-LNL& IKP-KÖLN

Contribution ID: **30**

Type: **not specified**

update1

Contribution ID: **31**

Type: **not specified**

Status of the Project / Project Manager Report

Friday, 7 October 2016 09:00 (30 minutes)

Presenter: GADEA, Andres (IFIC Valencia)

Session Classification: AGATA-week

Contribution ID: **32**

Type: **not specified**

ASC Report

Friday, 7 October 2016 09:30 (20 minutes)

Presenter: DUCHENE, Gilbert (IPHC Strasbourg)

Session Classification: AGATA-week

Contribution ID: **33**

Type: **not specified**

Welcome

Monday, 3 October 2016 14:00 (10 minutes)

Presenter: KORICHI, Amel (CSNSM Orsay)

Contribution ID: 34

Type: **not specified**

Introduction to the 1st Position Sensitive Ge detectors workshop

Monday, 3 October 2016 14:10 (20 minutes)

Presenter: GADEA, Andres

Contribution ID: 35

Type: **not specified**

From Ge(Li) detectors to Gamma-Ray Tracking arrays: on the history of Ge spectrometers

Monday, 3 October 2016 14:30 (1 hour)

Presenter: EBERTH, Juergen

Session Classification: PSeGe

Contribution ID: 39

Type: **not specified**

Contributions and working group kick-off meeting

Contribution ID: 40

Type: **not specified**

Status and maintenance of the Phase 0 and Early Phase 1 Electronics : Digitizers (presented without slides)

Thursday, 6 October 2016 09:00 (10 minutes)

Presenter: LAZARUS, Ian (STFC)

Session Classification: AGATA-week

Contribution ID: 41

Type: **not specified**

Status and maintenance of the Advanced Phase 1 Electronics : Digitizers/DIGI-OPT12/Control Card/Mechanics

Thursday, 6 October 2016 09:20 (10 minutes)

Presenter: PULLIA, Alberto (INFN-Milan)

Session Classification: AGATA-week

Contribution ID: 42

Type: **not specified**

Report on the new production of the Advanced Phase 1 channels

Thursday, 6 October 2016 09:50 (5 minutes)

Presenter: GADEA, Andres (IFIC- Valencia)

Session Classification: AGATA-week

Contribution ID: 43

Type: **not specified**

Multiple trigger request implementation in the GTS and other developments on trigger interface cards

Thursday, 6 October 2016 11:00 (20 minutes)

Presenter: TRIOSI, Andrea (CERN)

Session Classification: AGATA-week

Contribution ID: 44

Type: **not specified**

Report on the Trigger Processor Developments : The GANIL GTS Trigger Processor

Thursday, 6 October 2016 11:20 (15 minutes)

Session Classification: AGATA-week

Contribution ID: 46

Type: **not specified**

Status of the GEC and Data Flow and GEC at GANIL

Thursday, 6 October 2016 09:55 (30 minutes)

Presenter: KORICHI, Amel (CSNSM Orsay)

Session Classification: AGATA-week

Contribution ID: 48

Type: **not specified**

Discussion on the status and maintenance of the DAQ and Electronics at GANIL

Thursday, 6 October 2016 10:25 (5 minutes)

Session Classification: AGATA-week

Contribution ID: 49

Type: **not specified**

Report on the R&D on electronics for 2020 and beyond : Digitizers-DIGIOPT12

Thursday, 6 October 2016 11:50 (15 minutes)

Presenter: PULLIA, Alberto (INFN Milan)

Session Classification: AGATA-week

Contribution ID: 50

Type: **not specified**

Status of AGATA detectors and cryostats

Wednesday, 5 October 2016 09:00 (15 minutes)

Presenter: HESS, Herbert (IKP Cologne)

Session Classification: AGATA-week

Contribution ID: 51

Type: **not specified**

AGATA infrastructure status

Wednesday, 5 October 2016 09:15 (15 minutes)

Presenter: MENEGAZZO, Roberto (INFN Padova)

Session Classification: AGATA-week

Contribution ID: 52

Type: **not specified**

Detector CATs and DSS activities at Saclay

Wednesday, 5 October 2016 09:30 (15 minutes)

Presenter: THEISEN, Christophe (CEA Saclay)

Session Classification: AGATA-week

Contribution ID: 53

Type: **not specified**

The AGATA scanning system SALSA at Salamanca

Wednesday, 5 October 2016 10:00 (15 minutes)

Presenter: QUINTANA, Begonia (University of Salamanca)

Session Classification: AGATA-week

Contribution ID: 54

Type: **not specified**

Full scan od 3x3 segmented planar detector

Wednesday, 5 October 2016 10:15 (15 minutes)

Presenter: DIDIERJEAN, François (IPHC Strasbourg)

Session Classification: AGATA-week

Contribution ID: 55

Type: **not specified**

Discussion on AGATA maintenance and annealing and other subjects

Presenter: DATE AND LOCATION TBD

Contribution ID: 56

Type: **not specified**

Novel Ge-detector geometry with imaging capability for DEGAS

Tuesday, 4 October 2016 09:00 (25 minutes)

Presenter: KOJOUHAROV, Ivan (GSI Germany)

Session Classification: PSeGe

Contribution ID: 57

Type: **not specified**

Recent developements on HPGe at Berkeley : Exploring the limits of Noise, Count Rate and Position Sensitivity (Presentation Cancelled)

Tuesday, 4 October 2016 09:25 (25 minutes)

Presenter: BARNOWSKI, Ross (LBNL, USA)

Session Classification: PSeGe

Contribution ID: 58

Type: **not specified**

Recent HPGe developments at CANBERRA (Mirion Technologies)

Tuesday, 4 October 2016 09:50 (25 minutes)

Presenter: PIRARD, Benoit (Mirion (canberra), France)

Session Classification: PSeGe

Contribution ID: 59

Type: **not specified**

SIGMA, a new detector for gamma-ray spectroscopy and tracking

Tuesday, 4 October 2016 10:15 (25 minutes)

Presenter: HARKNESS-BRENNAN, Laura (University of Liverpool, UK)

Session Classification: PSeGe

Contribution ID: **60**

Type: **not specified**

Simulations working group overview

Wednesday, 5 October 2016 14:00 (15 minutes)

Presenter: LABICHE, Marc (STFC Daresbury lab - UK)

Session Classification: AGATA-week

Contribution ID: **61**

Type: **not specified**

Simulations for lifetime measurements

Wednesday, 5 October 2016 14:15 (15 minutes)

Presenter: LJUNGVALL, Joa (CSNSM Orsay- France)

Session Classification: AGATA-week

Contribution ID: 62

Type: **not specified**

The performace working group overview : Source run s 2016@GANIL

Wednesday, 5 October 2016 14:30 (15 minutes)

Presenter: MICHELAGNOLI, Caterina (GANIL, France)

Session Classification: AGATA-week

Contribution ID: 63

Type: **not specified**

Linear polarization capabilities

Wednesday, 5 October 2016 14:45 (15 minutes)

Presenter: MICHELAGNOLI, Caterina (GANIL, France)

Session Classification: AGATA-week

Contribution ID: **64**

Type: **not specified**

Angular correlations capabilities

Wednesday, 5 October 2016 15:00 (15 minutes)

Presenter: LJUNGVALL, Joa (CSNSM Orsay, France)

Session Classification: AGATA-week

Contribution ID: 65

Type: **not specified**

Concluding remarks

Tuesday, 4 October 2016 17:30 (15 minutes)

Session Classification: PSeGe

Contribution ID: **66**

Type: **not specified**

General Assembly

Tuesday, 4 October 2016 17:45 (30 minutes)

Presenter: GADEA, Andres (IFIC-Valencia)

Session Classification: PSeGe

Contribution ID: 67

Type: **not specified**

AGATA Data Analysis- Software update

Wednesday, 5 October 2016 11:15 (30 minutes)

Presenter: DUDOUET, Jérémie (IPN Lyon)

Session Classification: AGATA-week

Contribution ID: **68**

Type: **not specified**

Introduction to the PSA and status

Presenter: HARKNESS-BRENNAN, Laura (Liverpool, UK)

Contribution ID: **69**

Type: **not specified**

Cloud computing for AGATA

Wednesday, 5 October 2016 11:45 (15 minutes)

Presenter: RALET, Damian (CSNSM Orsay)

Session Classification: AGATA-week

Contribution ID: 70

Type: **not specified**

PSA Optimization using Coincident Gamma Ray-Detection after Positron Annihilation

Wednesday, 5 October 2016 16:45 (15 minutes)

Presenter: LEWANDOWSKI, Lars (IKP-Cologne)

Session Classification: AGATA-week

Contribution ID: 71

Type: **not specified**

PSA : Comparison ADL simulated basis with the IPHC scanned basis

Wednesday, 5 October 2016 12:20 (20 minutes)

Presenter: RALET, Damian (CSNSM Orsay)

Session Classification: AGATA-week

Contribution ID: 72

Type: **not specified**

Tests on determining hit locations from source pulses

Wednesday, 5 October 2016 12:40 (10 minutes)

Presenter: LI, Hongjie (GANIL)

Session Classification: AGATA-week

Contribution ID: 73

Type: **not specified**

Linearity and gain drift studies

Presenter: TBD

Contribution ID: 74

Type: **not specified**

Detector status in GANIL and core efficiency

Wednesday, 5 October 2016 16:00 (15 minutes)

Presenter: PEREZ, Rosa (IFIC-Valencia, Spain)

Session Classification: AGATA-week

Contribution ID: 75

Type: **not specified**

Tracking source data with OFT

Wednesday, 5 October 2016 16:15 (15 minutes)

Presenter: LOPEZ-MARTENS, Araceli (CSNSM Orsay)

Session Classification: AGATA-week

Contribution ID: 76

Type: **not specified**

2016 Commissioning runs, AGATA+VAMOS (Slides not provided)

Wednesday, 5 October 2016 16:30 (15 minutes)

Presenter: LEMASSON, Antoine (GANIL, France)

Session Classification: AGATA-week

Contribution ID: 77

Type: **not specified**

Status and maintenance of the Phase0 and Early Phase 1 Electronics

Contribution ID: 78

Type: **not specified**

Status and maintenance of the Advanced Phase 1 Electronics

Contribution ID: 79

Type: **not specified**

Status of AGATA detector laboratory at Liverpool

Wednesday, 5 October 2016 09:45 (15 minutes)

Presenter: HARKNESS-BRENNAN, Laura (University of Liverpool, UK)

Session Classification: AGATA-week

Contribution ID: **80**

Type: **not specified**

Legnaro campaign

Friday, 7 October 2016 09:50 (20 minutes)

Presenter: RECCHIA, Francesco (INFN-Padova)

Session Classification: AGATA-week

Contribution ID: **81**

Type: **not specified**

GSI campaign

Friday, 7 October 2016 10:10 (20 minutes)

Presenter: RALET, Damian (CSNSM Orsay)

Session Classification: AGATA-week

Contribution ID: **82**

Type: **not specified**

GANIL campaign

Friday, 7 October 2016 11:00 (30 minutes)

Presenter: CLÉMENT, Emmanuel (GANIL)

Session Classification: AGATA-week

Contribution ID: **83**

Type: **not specified**

Concluding remarks

Friday, 7 October 2016 11:30 (20 minutes)

Presenter: GADEA, Andres (IFIC-Valencia)

Session Classification: AGATA-week

Contribution ID: **84**

Type: **not specified**

Passivations and dead layers

Monday, 3 October 2016 16:00 (45 minutes)

Presenter: MAGGIONI, Gianluigi (INFN-LNL-Padova)

Session Classification: PSeGe

Contribution ID: 85

Type: **not specified**

Scanning of HPGe surfaces

Monday, 3 October 2016 16:45 (20 minutes)

Presenter: RICCETTO, Serena (INFN-Perugia)

Session Classification: PSeGe

Contribution ID: 86

Type: **not specified**

Discussion on the operation and maintenance of Miniball and AGATA

Monday, 3 October 2016 17:05 (30 minutes)

Session Classification: PSeGe

Contribution ID: 87

Type: **not specified**

Advanced Strategies for Junction Formation in Germanium

Tuesday, 4 October 2016 11:00 (40 minutes)

Presenter: DE SALVADOR, Davide (INFN-LNL & University of Padova)

Session Classification: PSeGe

Contribution ID: **88**

Type: **not specified**

New developments in n-type junction for Ge detectors

Tuesday, 4 October 2016 11:40 (30 minutes)

Presenter: BOLDRINI, Virginia (University of Padova)

Session Classification: PSeGe

Contribution ID: **89**

Type: **not specified**

Presentation of the CNM facility

Tuesday, 4 October 2016 12:10 (15 minutes)

Presenter: QUIRION, David (Instituto de Microelectrónica de Barcelona)

Session Classification: PSeGe

Contribution ID: **90**

Type: **not specified**

Discussion and Working Group Kick-off

Tuesday, 4 October 2016 12:25 (35 minutes)

Session Classification: PSeGe

Contribution ID: **91**

Type: **not specified**

Complementary detectors for AGATA@GANIL campaign

Thursday, 6 October 2016 14:00 (20 minutes)

Presenter: CLÉMENT, Emmanuel (GANIL)

Session Classification: AGATA-week

Contribution ID: 92

Type: **not specified**

PARIS status and integration

Thursday, 6 October 2016 14:20 (20 minutes)

Presenter: DORVAUX, Olivier (IPHC Strasbourg)

Session Classification: AGATA-week

Contribution ID: 93

Type: **not specified**

FATIMA status and integration

Thursday, 6 October 2016 14:40 (20 minutes)

Presenter: RUDIGIER, M. (University of Surrey)

Session Classification: AGATA-week

Contribution ID: 94

Type: **not specified**

New reaction chamber for the NEDA+DIAMANT campaign

Thursday, 6 October 2016 15:00 (15 minutes)

Presenter: DUPASQUIER, Th.

Session Classification: AGATA-week

Contribution ID: 95

Type: **not specified**

DIAMANT

Thursday, 6 October 2016 16:00 (20 minutes)

Presenter: DE FRANCE, Gilles (GANIL)

Session Classification: AGATA-week

Contribution ID: 96

Type: **not specified**

Plunger with DIAMANT

Thursday, 6 October 2016 16:20 (15 minutes)

Presenter: LJUNGVALL, Joa (CSNSM Orsay)

Session Classification: AGATA-week

Contribution ID: 97

Type: **not specified**

NEDA- Neutron Wall

Thursday, 6 October 2016 16:35 (20 minutes)

Presenter: JAWORSKI, G. (LNL-INFN)

Session Classification: AGATA-week

Contribution ID: **98**

Type: **not specified**

VAMOS in gas filled mode and MUSET

Thursday, 6 October 2016 16:55 (20 minutes)

Presenter: THEISEN, Christophe (IRFU-CEA, Saclay)

Session Classification: AGATA-week

Contribution ID: 99

Type: **not specified**

MUGAST

Thursday, 6 October 2016 17:15 (20 minutes)

Presenter: MENGONI, Daniele (Pd-INFN)

Session Classification: AGATA-week

Contribution ID: **100**

Type: **not specified**

FEE WG parallel meeting

Contribution ID: **101**

Type: **not specified**

FEE and DAQ WG parallel meeting

Contribution ID: **102**

Type: **not specified**

Imaging with highly segmented, position-sensitive HPGe Detectors- the Cologne Compton Camera

Tuesday, 4 October 2016 14:00 (30 minutes)

Presenter: STEINBACH, Tim (IKP Cologne)

Session Classification: PSeGe

Contribution ID: **103**

Type: **not specified**

Detector encapsulation techniques

Tuesday, 4 October 2016 17:00 (20 minutes)

Session Classification: PSeGe

Contribution ID: **104**

Type: **not specified**

Low-power pre-amplifiers & cryostat R&D / BSD, HV, LV distribution

Tuesday, 4 October 2016 16:00 (30 minutes)

Session Classification: PSeGe

Contribution ID: **105**

Type: **not specified**

Pulse-Shape Analysis and neutron-gamma discrimination

Tuesday, 4 October 2016 16:30 (30 minutes)

Session Classification: PSeGe

Contribution ID: **106**

Type: **not specified**

Introduction to the session and status

Wednesday, 5 October 2016 11:00 (15 minutes)

Presenter: HARKNESS-BRENNAN, Laura (Liverpool)

Session Classification: AGATA-week

Contribution ID: **107**

Type: **not specified**

Numerical correction methods for neutron damaged HPGe detector

Wednesday, 5 October 2016 12:00 (20 minutes)

Presenter: HETZENGER, Robert (IKP-Cologne)

Session Classification: AGATA-week

Contribution ID: **108**

Type: **not specified**

Imaging of prompt gamma emissions during proton cancer therapy for geometric and dosimetric verification

Tuesday, 4 October 2016 14:30 (20 minutes)

Presenter: LECROI, Benjamin (University of Liverpool)

Session Classification: PSeGe

Contribution ID: **109**

Type: **not specified**

Activity quantification of ^{137}Cs point sources using the ProSPECTus Compton camera

Tuesday, 4 October 2016 14:50 (20 minutes)

Presenter: WOODROOF, Tom (University of Liverpool)

Session Classification: PSeGe

Contribution ID: 110

Type: **not specified**

Characterisation of a CZT Detector for Dosimetry in Molecular Radiotherapy

Tuesday, 4 October 2016 15:10 (20 minutes)

Presenter: MXAREAVEY, Lucy (University of Liverpool)

Session Classification: PSeGe

Contribution ID: 111

Type: **not specified**

Status and maintenance of the Phase 0 and Early Phase 1 Electronics : ATCA Pre-processing

Thursday, 6 October 2016 09:10 (10 minutes)

Presenter: KARKOUR, Nabil (CSNSM)

Session Classification: AGATA-week

Contribution ID: 112

Type: **not specified**

Status and maintenance of the Phase 0 and Early Phase 1 Electronics : GGP and GTS improvements

Thursday, 6 October 2016 09:40 (10 minutes)

Presenter: EGEA, Xavier (INFN- Padova)

Session Classification: AGATA-week

Contribution ID: 113

Type: **not specified**

Status and maintenance of the Advanced Phase 1 Electronics : Digitizer/DIGI-OPT12/Control Card/Mechanics

Thursday, 6 October 2016 09:30 (10 minutes)

Presenter: GONZÁLEZ, Vicente (TeDRA- University of Valencia)

Session Classification: AGATA-week

Contribution ID: 114

Type: **not specified**

Report on the Trigger Processor Developments : Software Trigger

Thursday, 6 October 2016 11:35 (15 minutes)

Presenter: GRAVE, Xavier (CSNSM)

Session Classification: AGATA-week

Contribution ID: 115

Type: **not specified**

Report on the R&D on electronics for 2020 and beyond : Pre-Processing PACE card/ Readout STARE card

Thursday, 6 October 2016 12:05 (20 minutes)

Presenter: COLLADO, Javier (IFIC Valencia)

Session Classification: AGATA-week