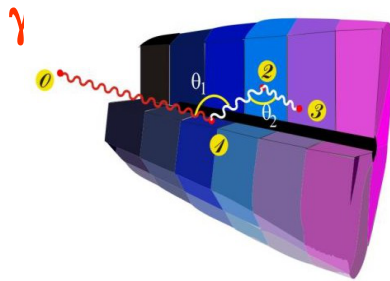


PSA Status

Laura Harkness-Brennan
AGATA week 2016

1. AGATA



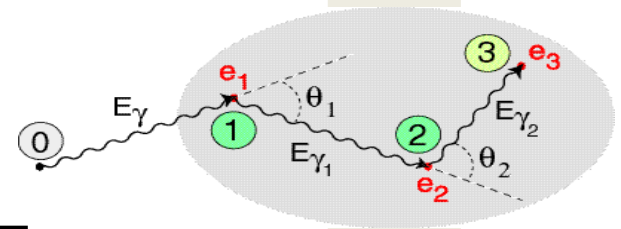
2. Digitise signals

3. PSA to identify interaction points

$(x,y,z,E,t)_i$



4. Tracking



PSA Coordination

Establishing PSA team phone meetings: 29th March, 18th May, 11th September 2016

Information gathering: who is currently working in PSA, what developments are required and who would like to join the efforts.

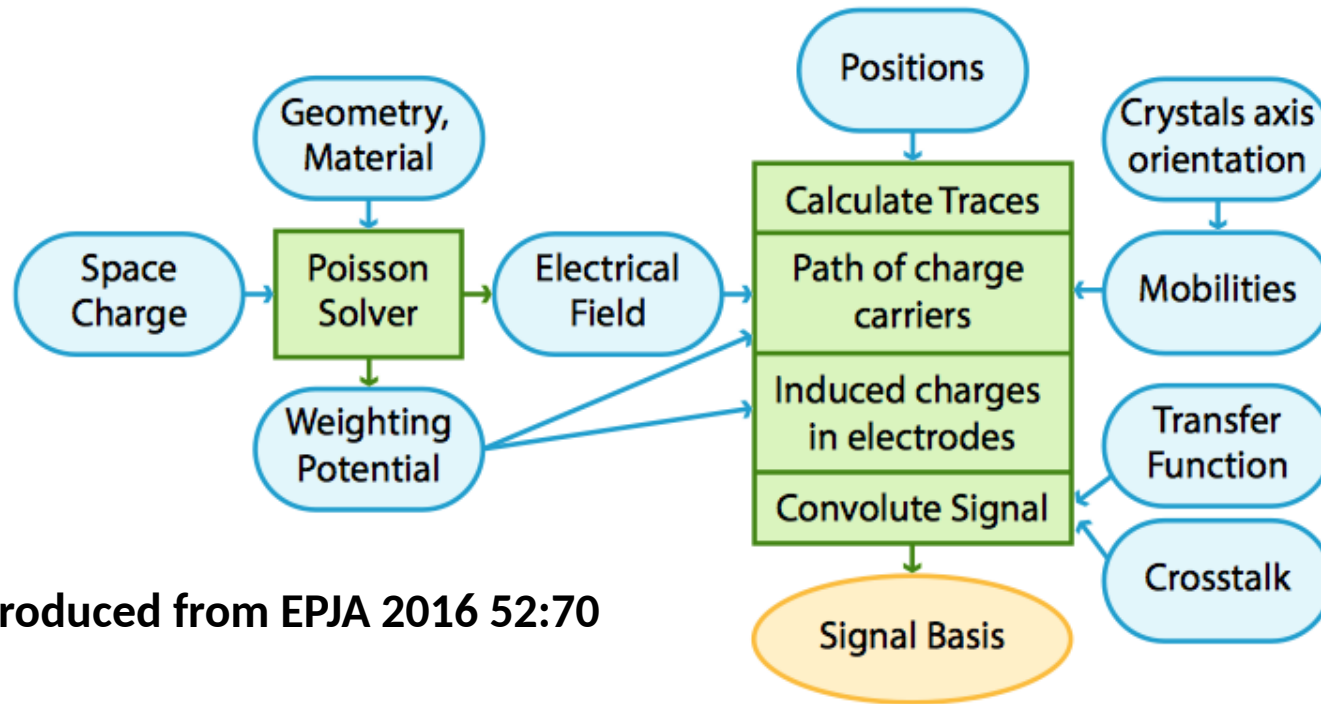
Participants: CSNSM Orsay, GANIL, GSI, IHPC Strasbourg, IKP-Cologne, IKP-Darmsdadt, Liverpool, TUM Munich, Salamanca, Uppsala

ljh@liverpool.ac.uk

Updates

- **Building experimental basis data sets** (see talks by Begonia Quintana Hongjie Li and Francois Didierjean)
- **Comparison of experimental and simulated data sets** (see talk by Damian Ralet)
- **PSA algorithm development** (see talk by Robert Hetzengger)
- **PSA optimisation** (see talk by Lars Lewandowski)

Agata Database Library

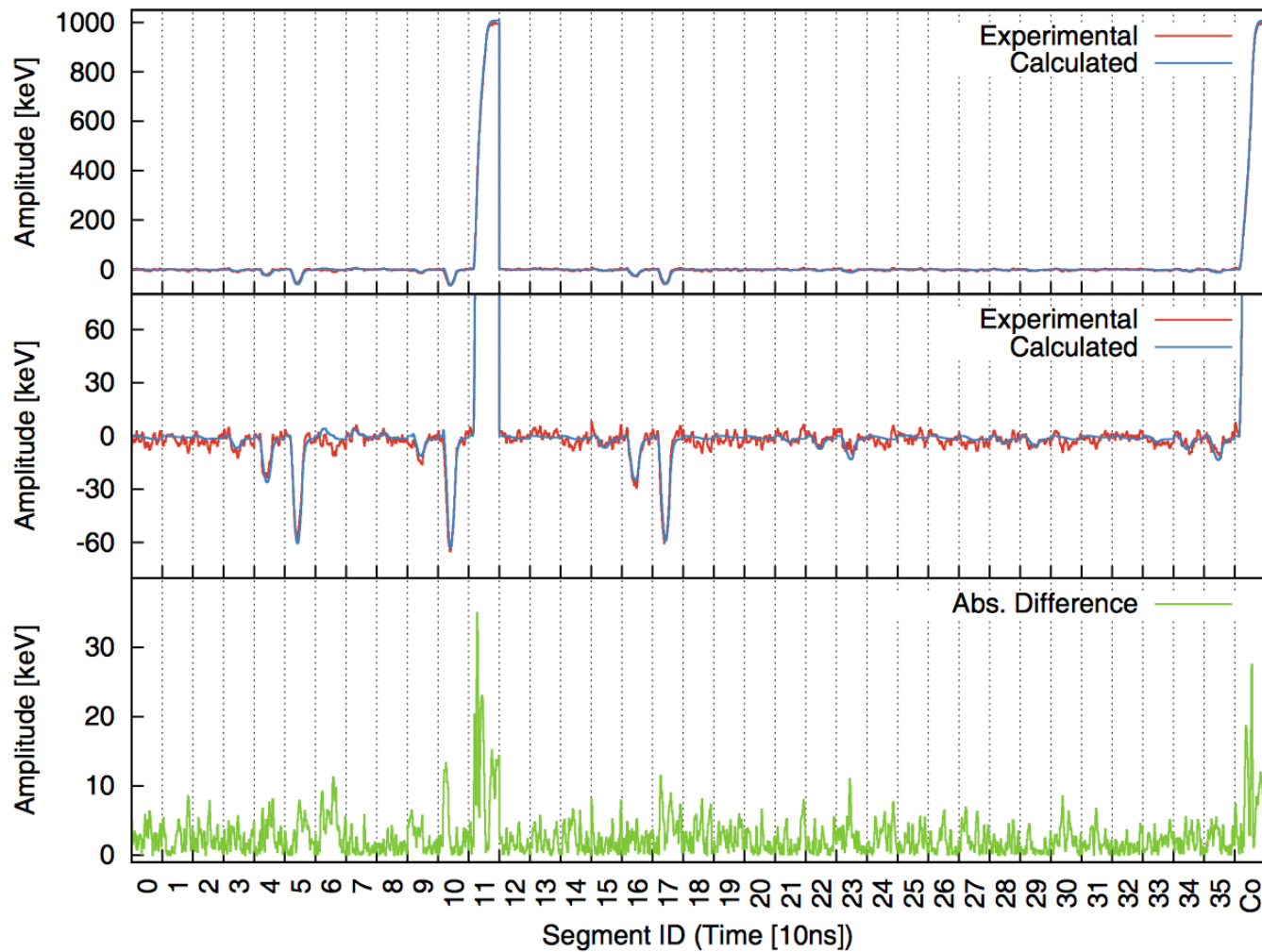


Reproduced from EPJA 2016 52:70

- Validation with experimental databases from AGATA and others
- Liverpool: validation studies for BEGe detectors, SAGE well, DSSDs
- No planned developments, (adding new detectors)

¹ B Bruyneel, B Birkenbach and P Reiter – EPJA 2016 52:70, *Pulse Shape analysis and position determination in segmented HPGe detectors: The AGATA detector library*,

Agata Database Library

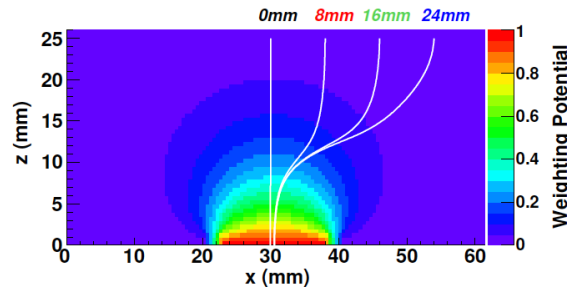
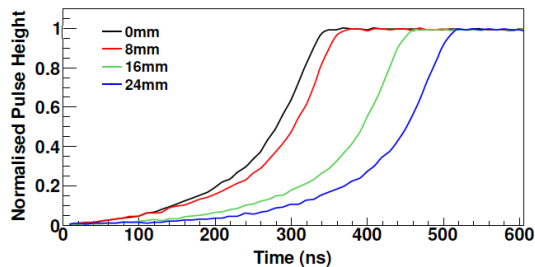


B Bruyneel, B Birkenbach and P Reiter - EPJA 2016 52:70, Pulse Shape analysis and position determination in segmented HPGe detectors: The AGATA detector library,

Agata Database Library

ADL models and experimental databases built/being produced for other germanium detectors

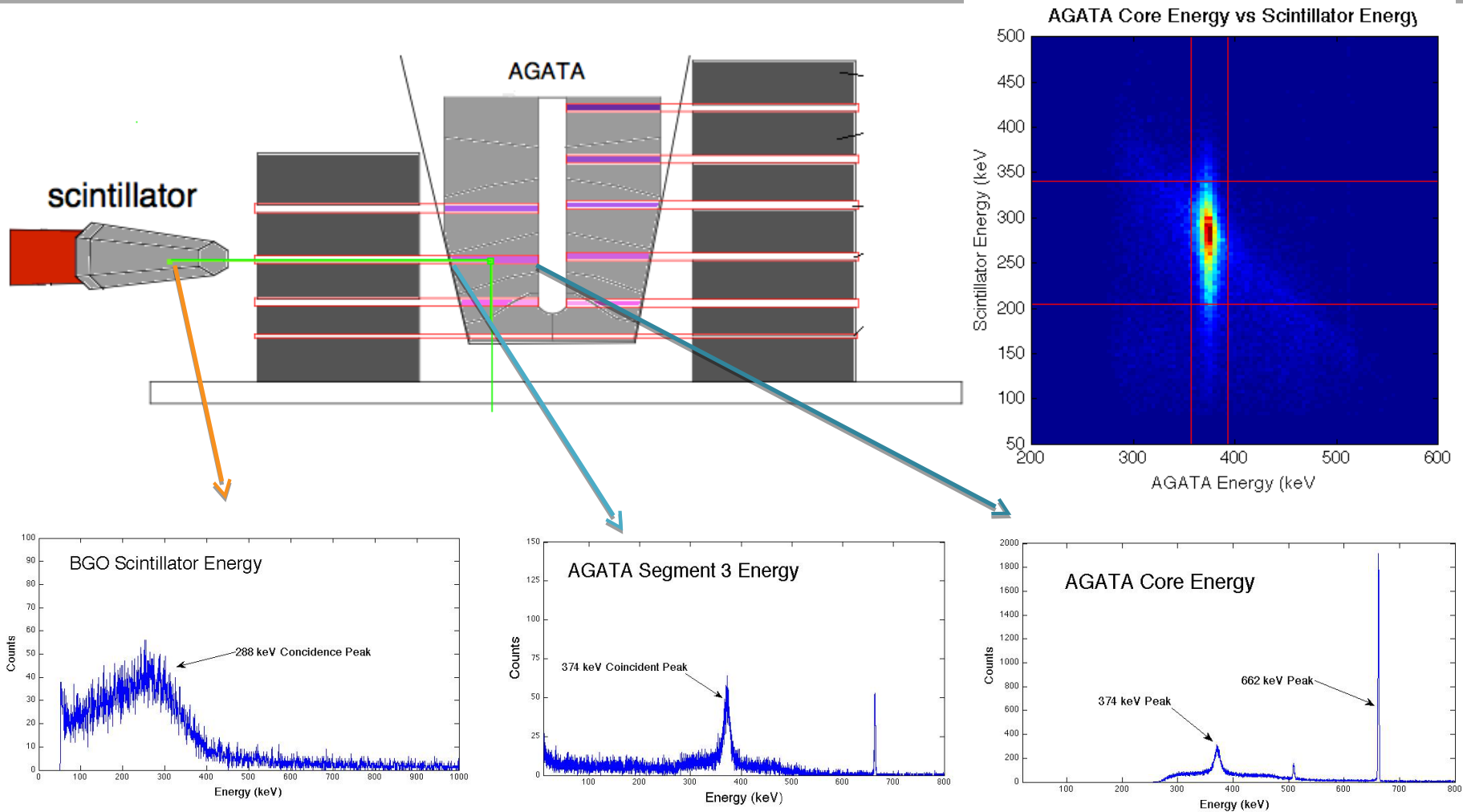
1. BEGe
2. Double sided strip detectors
3. Well detectors
4. Segmented Inverted Coaxial



LJ Harkness et al, NIM A 671: 29-39

Carl Unsworth and Jon Wright

Scanning options



Liverpool, Orsay, Salamanca,
GSI and IPHC Strasbourg

A Hernandez-Prieto, B Quintana, S Martin, C
Domingo-Pardo, NIMA 2016 823

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