Final Report of the Collaboration Workshops

Four EGAN Workshops on basic research, technical developments and applications have been organized on an annual basis. These allowed the whole community to meet together, to present scientific results, to strengthen collaborations and to start new ventures. During the Workshops there have been sessions devoted to the interchange of ideas and to the discussion on new developments of common interest.

The four workshops have been organized by the four institutions receiving the funds. Each edition was devoted to different aspects of the collaboration. These funds have been used for organizing purposes and to partially support economically the participants, especially young researchers. The workshops slide reports have been published in the website.

1) The first EGAN workshop was organized in Padova on 27-30th June, 2011.
With more than 120 participants, the workshop was very successful. In particular, almost half of the presentations were given by young researchers. There was time for informal discussions and new collaborations were born.
This first edition was devoted to the presentation of the status and perspectives of the different gamma-array collaborations, together with the highlights of each campaign. A selection of theoretical talks was scheduled in the program, which enriched the workshop with new ideas and fruitful discussions.
The slides/presentations of the different speakers can be downloaded from the EGAN website or from the EGAN 2011 website:
http://agenda.infn.it/conferenceDisplay.py?confId=3224.

2) The EGAN 2012 Workshop was held in Orsay, on June 25-28, 2012. It was focussed on discussing the achievements, issues and future directions associated with ancillary detectors used in conjunction with gamma-ray detectors.
The main topics to be discussed at the workshop were:
Latest results on nuclear gamma spectroscopy
Ancillaries to measure moments and lifetimes
Ancillaries to identify nuclei
Ancillaries to select reaction channels
Ancillaries to detect photons and internal conversion electrons
Related issues: beams, targets, electronics and data acquisition

There were 103 participants to the workshop. Most of the young participants were supported by EGAN. Lunches were offered by the network together with the social dinner.

The full program and the slides report are available at the EGAN2012 Workshop website: https://indico.in2p3.fr/event/5965/

3) The third EGAN Workshop was hold in Liverpool on June 24-27, 2013.

The Workshop was hosted by the University of Liverpool, UK on its city centre campus. The EGAN workshop was held over a four day period in conjunction with the annual AGATA collaboration meeting and meetings of the EGAN working groups and steering committee.
The EGAN workshop consisted on a series of invited and contributed presentations. Overall there were six sessions with a total of 25 presentations covering a wide range of nuclear physics and instrumentation development topics. The programme was arranged with plenty of time for networking between the scheduled presentations and included a reception for all participants on the evening of the first day. The EGAN workshop included the AGATA annual meeting with 17 further presentations covering a range of AGATA specific topics all of which were relevant to EGAN. On the final afternoon of the meeting the EGAN working parties met alongside a meeting of the EGAN steering committee.

Overall 95 people attended the meeting from across a wide range of European countries, laboratories, universities and institutes. We also invited a few speakers from outside Europe to ensure that the presentations covered the full international perspective. It was pleasing to see a large number of young scientists attending the meeting and giving excellent presentations.

Detailed information can be found in the website:
http://ns.ph.liv.ac.uk/EGAN/index.html

4) The 4th EGAN workshop took place at GSI Darmstadt, Germany, on June 23-26, 2014. After the past successful editions in Padova (2011), Orsay (2012) and Liverpool (2013), which have been dedicated to the status of gamma-spectroscopy research, to aspects related to the use and development of ancillary devices and to the collaboration between theoreticians and experimentalists, respectively, the fourth workshop focussed on the physics with large germanium arrays. In particular, different methods and techniques from both the structure and reaction mechanism points of view were explored to plan and design new experiments at the stable and radioactive beam facilities. Nuclear structure theory lectures and contributions were strongly mixed with the experimental progress reports of different groups.
The annual open meeting of the AGATA Collaboration and the meetings of the EGAN working groups were also held during the workshop. Over hundred participants from 16 countries attended the workshop.

The program included 20 invited talks and 40 oral contributions.

Financial support was available upon request to all invited speakers, with special priority to young researchers. 23 participants were fully supported by the EGAN funds. 20 other participants' accommodation at the GSI guesthouse was supported by the EGAN funds. The lunches and coffee/snack break during the workshop, the welcome cocktail, the workshop dinner was offered to all participants of the workshop free of charge.
Detailed information about the meeting is available on the workshop website: https://indico.gsi.de/conferenceDisplay.py?confId=2558.

5) The EGAN Network supported another workshop of Ancillary Detectors: GASPARD-HYDE-TRACE (GHT), Padova, 29-31 October 2012
workshop to assess the status and progress of the GHT collaboration.

The agenda at the workshop will comprise:

-Status and progress of the GHT projects
-Simulation (detectors, signals, etc.)
-New detectors (silicon, etc.)
-Pulse Shape Analysis (technique and experimental results)
-Electronics (FEE, BEE)
-DAQ
-General discussion

The workshop is organized under the auspices of the Department of Physics and Astronomy of the University of Padova and the INFN. The initiative is supported by the European Gamma and Ancillary Detectors Network (EGAN) of ENSAR (FP-7).

In the spirit of EGAN the Workshop aimed to promote synergies and exchange of information among groups developing detectors, electronics and simulation tools for state-of-the-art silicon detectors in low-energy nuclear physics. Therefore some contributions were scheduled for this purpose. In addition, a round table was dedicated to promote discussion among the participants and the coordination of their activities.

Program and details in the website:
https://agenda.infn.it/conferenceDisplay.py?ovw=True&confId=5329