



Report on ENSAR2 kick-off meeting

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| DATE: | 2016/03/16-17 | OBJECT: | Kick-off meeting |
| N/REF: | ENSAR2/PCC/2016.01 | LOCATION: | Caen, France |
| PREPARED BY: | K. Turzó | AFFILIATED DOCUMENTS: | |

| INSTITUTION | GANIL | INFN | CERN | JYU | CNRS | GSI | RUG |
|------------------|---|---|-----------------------|---------------------------------------|--|------------|--------------------------------|
| PARTICIPANTS | D. Ackermann S. Dubromel M. Fadil G.F. Grinyer M.N. Harakeh P. Jardin S. Lecerf-Rossard M. Lewitowicz M.H. Moscatello K. Turzó V. Vandevorode | M. Cinausero P. Figuera S. Lenzi D. Napoli | M. Borge B. Marsh | A. Jokinen H. Koivisto I. Moore | F. Azaiez G. Georgiev F. Ibrahim D. Lacroix | Y. Leifels | P. Dendooven N. Kalantar |
| NON PARTICIPANTS | | S. Romano | | | Y. Blumenfeld | | S. Brandenburg |
| INSTITUTION | IFJ PAN | UNIWARSAW | IFIN-HH | FBK | EBG MedAustron | KULeuven | ULB |
| PARTICIPANTS | A. Maj P. Bednarczyk M. Kmiecik | K. Rusek P. Napiorkowski J. Choinski T. Krawczyk A. Maciejewska M. Zawal | S. Galès L. Trache | J. Wambach | G. Magrin | | |
| NON PARTICIPANTS | | | N. Marginean | | | R. Raabe | P. Capel |
| INSTITUTION | CEA | GIP ARRONAX | JLU | JGU Mainz | LMU | UCO | NCSR |
| PARTICIPANTS | S. Leray | R. Devilder | | K. Wendt | | | S. Harissopoulos P. Sklavou |
| NON PARTICIPANTS | A. Drouart | F. Haddad | C. Scheidenberger | | P. Thierolf | P. Reiter | |
| INSTITUTION | UMIL | FFCUL | CIEMAT | CSIC | USC | USE | ULIV |
| PARTICIPANTS | G. Colò | | | A. Gadea O. Tengblad | H. Alvarez Pol | J. Gomez | |
| NON PARTICIPANTS | | D. Galaviz Redondo | D. Cano Ott | | | A. Moro | A. Boston |

| INSTITUTION | UoY | ATOMKI-HAS | | | | | NuPECC |
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| PARTICIPANTS | | Z. Elekes | | | | | A. Bracco G.-E. Körner |
| NON PARTICIPANTS | D. Jenkins | | | | | | |
| DISTRIBUTION: | To all the participants and non-participants | | | | | | |

WORK PACKAGE PRESENTATIONS

| TOPIC | SPEAKER |
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| <p><u>Introduction</u> See corresponding presentation</p> <p>In the coming months: MoUs to negotiate with large laboratories outside Europe (MSU, RIKEN...) to have European users financially supported for their experiments there, while non-European users could be supported by ENSAR2.</p> | M.N. Harakeh |
| <p><u>NA FISCO2</u> See corresponding presentation</p> <p>Beneficiaries/ Work Package leaders - make clear the different roles:</p> <ul style="list-style-type: none"> • WP leaders & Task leaders: periodic scientific reports + deliverable/milestone reports • Institution (i.e. beneficiary): periodic financial reports <p>Budget follow-up: if the budget is not spent as foreseen, the WP leaders have to inform the Management Group immediately.</p> <p>Reporting work:</p> <ul style="list-style-type: none"> • The Management Group may propose an excel file to prefill. It will help labs that are not used to report to EC. • Difficulty to write a deliverable report adapted to B. Fabianek. It is sometimes necessary to detail scientific ideas. Workshops: define a goal beforehand? <p>Communication:</p> <ul style="list-style-type: none"> • Insist on green open access to publications. • What about participating in Researchers Night (ENSAR2 booth)? | K. Turzó |
| <p><u>NA NUSPRASEN</u> See corresponding presentation</p> <p>NUSPRASEN team has to keep in touch with conveners working on NuPECC Long Range Plan, especially for the organisation of town meetings.</p> <p>2nd milestone: workshop on nuclear structure → a possibility to co-fund an existing workshop, e.g., Carpathian school?</p> <p>ENSAR2 helps to enhance our usual activities, especially the network activities.</p> | L. Trache |
| <p><u>NA MIDAS</u> See corresponding presentation</p> <p>Selection of participants for hands-on-training: final decision by institution according to available funding. Participants: mainly from MIDAS network, industrials, maybe TNA colleagues</p> | H. Koivisto |
| <p><u>NA NUSPIN</u> See corresponding presentation</p> <p>NuSPIN web site: http://nuspin.pd.infn.it</p> <p>First event: NuSPIN kick-off meeting, San Servolo (Venice), Italy - from June 27 to July 1st, 2016</p> | S. Lenzi |

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| <p><u>NA MediNet</u> See corresponding presentation</p> <p>During the project, small meetings of the working groups and a few meetings of the work package members as a whole. Task 1 promotes the mobility of young researchers. Task 2 promotes meeting with the ion-beam therapy users: medical physicist and radiation oncologists.</p> <p>Question of cost-effectiveness of hadrontherapy in comparison to conventional radiotherapy (with photon)</p> <p>Hopefully MediNet will help the dialogue between physicists and medical doctors.</p> | G. Magrin |
| <p><u>NA GDS</u> See corresponding presentation</p> <p>Nowadays, there are a lot of active projects because of the GET electronics that allows high selectivity.</p> <p>GDS network will be the best forum to prepare the work beyond ACTAR TPC and SpecMAT ERC projects.</p> | G.F. Grinyer |
| <p><u>NA ENSAF</u> See corresponding presentation</p> | S. Harissopoulos J. Gomez Gamacho |
| <p><u>NA NuPIA</u> See corresponding presentation</p> <p>Link to TechIBA: radioisotopes, polishing techniques</p> <p>NuPIA will help to connect the local innovation networks at a European level.</p> <p>Question of a brochure to advertise ENSAR2 innovation activities to industries?</p> <p>NuPIA will target innovation and technology transfer. The communication actions will be in the direction to industries, not to the public.</p> <p>Example of HEPtech in particle physics: NuPIA could be the forum to discuss the possible creation of such association for nuclear physics and prepare collaboration beyond ENSAR2.</p> | M.H. Moscatello |
| <p><u>JRA PASPAG</u> See corresponding presentation</p> | O. Tengblad |
| <p><u>JRA PSeGe</u> See corresponding presentation</p> <p>The transfer of technology will be negotiated with the companies.</p> <p>In AGATA case, JRA PseGe may help to improve the stability of detectors, decrease the price of the crystals and increase the life of the detectors.</p> <p>Strong link with NuPIA work package.</p> | A. Gadea |

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| <p><u>JRA TheoS</u> See corresponding presentation</p> <p>Key issue: EFT at saturation density. EFT concepts may be used to develop new concepts, in correlation with the Skyrme interaction currently used.</p> <p>It is important that TheoS physicists participate in workshops organised by other ENSAR2 work packages, as NUSPRASEN. When TheoS will organise meetings, other WP participants will be invited to develop synergies.</p> <p>Theoreticians work to develop user-friendly codes.</p> | D. Lacroix |
| <p><u>JRA RESIST</u> See corresponding presentation</p> <p>Today, lasers are not able to scan the whole distribution of energy/cm-1.</p> <p>Stability of lasers will be also worked on during the project.</p> | I. Moore |
| <p><u>JRA SATNuRSE</u> See corresponding presentation</p> <p>Data management protocol: first a review of data access policies in European labs.</p> <p>Collaboration with nuclear reaction theoreticians started in ENSAR but it was not successful. According to reaction energy, theoretical codes may be very useful in simulations. The code has to be fast enough to produce data. Before producing a standard, a lot of checks have to be made between codes and simulations on a case-by-case basis.</p> | N. Kalantar |
| <p><u>JRA EURISOL</u> See corresponding presentation</p> <p>Molecular beams are to address refractory elements in ISOL facilities.</p> <p>The EBIS programme will be pursued at CERN and at BNL.</p> <p>Chart of beam:</p> <ul style="list-style-type: none"> • to contact IAEA as they could be interested. • RIB that are already available • Other web sites are available. <p>1st CRIBE meeting: March 17th, 2016.</p> | M. Fadil |
| <p><u>JRA TechIBA</u> See corresponding presentation</p> <p>Low-energy beam lines for LINCE: how to proceed with the current situation of LINCE? → Contact with Mainz group working on low-energy issues?</p> | F. Azaiez |

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| <p><u>TA GANIL-SPIRAL2</u> See corresponding presentation</p> <p>AGATA: why a campaign dedicated to Neutron Wall? Many experiments were approved with VAMOS in 2016 and 2017. The campaign with Neutron Wall will happen in 2018 if there are enough proposals. Such campaign helps to avoid time-consuming changes of the experimental set-up. This decision was taken in close collaboration with AGATA community and GANIL management, with consultation of other communities.</p> | D. Ackermann |
| <p><u>TA LNL-LNS</u> See corresponding presentation</p> <p>Day1 experiment in SPES: dedicated workshop in October 2016.</p> <p>Upgrade of LNS cyclotron: what will be the increase in intensity?</p> <p>EDEN detector: collaboration between INFN, CNRS and KVI.</p> <p>The TA selection panel is meant for fundamental physics and applications.</p> <p>For test of detectors, it is possible to use the 0° degree line.</p> | M. Cinausero |
| <p><u>TA ISOLDE</u> See corresponding presentation</p> <p>PBS upgrade: 2019-2020 → shutdown of ISOLDE</p> | M. Borge |
| <p><u>TA JYFL</u> See corresponding presentation</p> | A. Jokinen |
| <p><u>TA ALTO</u> See corresponding presentation</p> <p>No interdisciplinary experiments during ENSAR. Maybe during ENSAR2? The position of some ALTO elements will be optimised in order to allow more users.</p> | G. Georgiev |
| <p><u>TA GSI</u> See corresponding presentation</p> <p>Shutdown 2016-2017 and recommissioning in 2018. PACs will be reinstalled during 2016-2017. The different persons and committees responsible for GSI and FAIR separately are merging to have the same functions for FAIR and GSI together.</p> <p>Accelerator material science will be part of ARIES proposal. GSI applies also for transnational access within HPH and Laserlab.</p> | Y. Leifels |
| <p><u>TA KVI-CART</u> See corresponding presentation</p> <p>No backlog experiments to be supported by ENSAR2.</p> | P. Dendooven |

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| <p><u>TA NLC</u> See corresponding presentation</p> <p>Part of Gammapool detectors will be at HIL for a campaign in 2017. HIL will apply again for another campaign after this one.</p> | <p>A. Maj & P. Napiorkowski</p> |
| <p><u>TA IFIN-HH/ELI-NP</u> See corresponding presentation</p> <p>ELI-NP: budget approved for Phase 2 (176 M€) Fall 2016: first laser elements to build on site.</p> <p>To ensure future beyond ELI construction, ELI consortium is preparing a European legal structure (ERIC) and is negotiating the share of local and European contributions. Until ERIC structure is in place, ELI will stay one department of IFIN-HH.</p> | <p>S. Galès</p> |
| <p><u>TA ECT*</u> See corresponding presentation</p> <p>ENSAR2 work packages that do not have workshop budget can apply to ENSAR2 support at ECT*. The selection of workshops on merit is done by ECT* board, the decision on ENSAR2 support will be done by local team.</p> | <p>J. Wambach</p> |

PROJECT ORGANISATION & MANAGEMENT

| TOPIC | SPEAKER |
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| <p><u>Elections of the General Assembly</u></p> <p>See statement of decisions</p> <p>Vote of the chair: Adam Maj (IFJ PAN)</p> <p>Official nomination of work package leaders.</p> <p>USE needs 20 k€ for the ENSAF conference, i.e. 10 k€ in addition to its share of 32,5%. CERN-ISOLDE needs most TNA money for 2016-2018. Maria Borge will check if CERN can advance budget. GSI may accept to have a reduced budget for TNA and the remaining budget would be transferred to CERN.</p> <p>Vote for 32,5% equally distributed except for USE + 10 k€/GANIL – 10 k€, and in option CERN +50 k€/GSI -50 k€</p> | |
| <p><u>Elections of the Project Coordination Committee</u></p> <p>Project Coordination Committee (PCC) = Work Package Leaders</p> <p><i>Executive Board</i> 2 representatives of Networking Activities: Silvia Lenzi and Christoph Scheidenberger 2 representatives of Joint Research Activities: Olof Tengblad and Andres Gadea 2 representatives of Transnational Access: Maria Borge and Ari Jokinen</p> <p>Official nomination of Management Group.</p> | |

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| <p><u>NuPECC Long Range Plan</u></p> <p>June 2016: draft of Long Range Plan (NuPECC convener meeting in Uppsala)</p> <p>Discussion of ENSAR2 contribution to Long Range Plan: In June, Muhsin may participate in the meeting and the draft may be distributed to some ENSAR2 participants connected to the topics covered in the draft. No major change will be possible, except if something important is missing.</p> <p>In October: NuPECC convener meeting</p> <p>It is very important to actively participate in NuPECC town meeting in January 2017.</p> <p>In ESFRI report, there is a special paragraph on NuPECC activities. A. Bracco will go soon to USA because American community wants to know what the status of the Long Range Plan is.</p> <p>Nuclear data: it could be the topic of a specific report, as the one on medical applications. The CHANDA project concerns nuclear data and should establish links with other projects as ENSAR2.</p> | <p>All A. Bracco</p> |
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