

Minutes
of the meeting of the Joint Committee IN2P3 - COPIN
held on Friday, November 29th, 2013
at the Heavy Ion Laboratory, Warsaw (Poland)

Participants:

from the I N2 P3: J. MARTINO, DI
 D. GUILLEMAUD-MUELLER, DAS
 A. MUELLER, DAS
 L. MATHY-MONTALESCOT, DAA
 S. SPYROU, R-SPECI

from the COPIN: M. JEŻABEK (IFJ PAN Cracow)
 A. MAJ (Chair of COPIN Consortium, IFJ PAN Cracow)
 A. GÓŹDŹ (UMCS Lublin)
 K. RUSEK (ŚLCJ Warsaw)
 M. NIEWIARA (IFJ PAN Cracow)

Per invitation:

J. JASTRZĘBSKI (ŚLCJ Warsaw) and S. REYMOND, Attaché Scientifique, Ambassade de France in Warsaw.

1. General information

K. Rusek, the Director of ŚLCJ Warsaw, welcomes the guests and expresses his satisfaction for holding the meeting in Heavy Ion Laboratory. A. Maj, the chair of the COPIN Consortium, greets all the participants and thanks the hosts, K. Rusek and J. Jastrzębski for the organization of the meeting, as well as the experts (M. Jeżabek and A. Góźdź) and guest from the French Embassy, Attaché for Science and Technology, S. Reymond, for attending the meeting.

J. Martino thanks for the hospitality, proposes to start the discussion about the science and the collaboration. All participants agreed that A. Maj should be the chairman of the meeting.

A. Maj asks them to accept the agenda delivered earlier by e-mail and starts with the presentation of Polish scientific activity.

2. News from Polish scientific activity and status of funding

A. Maj presents recent activities, conferences and meetings organized in 2013 with the support of COPIN Collaboration, and with the participation of French scientists, i.e. NuPECC Meeting in Cracow, in October, with a half-day worldwide presentation of Polish activities; 4th EURISOL Topical Meeting in July, in Cracow (with ab. 70 participants); the 33rd Mazurian Lakes Conference perfectly organized by K. Rusek (ŚLCJ) at the end of September, as well as the Kazimierz Workshop at the beginning of September. A. Maj hopes that scientific activity in 2014 will be on the same level.

A. Maj mentions also about the meeting of ENSAR Community in Warsaw, reporting the status of the project, with the discussion on the future of ENSAR, development till 2020 and the transformation into the Horizon2020 project ENSAR2. Two joint Polish laboratories: ŚLCJ and CCB of IFJ PAN apply to

obtain the transnational access status in the frame of ENSAR2. The idea was well accepted and welcomed by the European community of physicists, i.e. after the presentation of the proposal by M. Harakeh during the conference in Brussels.

A. Maj mentions also the conferences previewed for 2014, as usual with a significant French participation, i.e. 49th Zakopane Conference, which will be organized on 1st-7th September by IFJ PAN, conference in Kazimierz at the end of September, and NUSTAR Week.

SPIRAL2 is still present on the Polish Road Map of infrastructure and this 'label' may be helpful to get some funds in the future. Recently some Polish institutions have applied to participate in the new Road Map but it is not finalized by now.

K. Rusek presents the activity of Heavy Ion Laboratory (ŚLCJ), joint to the University in Warsaw. He mentions that ŚLCJ has become a National Laboratory, a typical nuclear physics laboratory, with 60 employees (mainly technicians and engineers), incl. 15 scientists (nuclear physicists and chemists) in a new building, situated on the university campus. The Laboratory does not run regular lectures for students, only short, one or two weeks, courses for students coming to Warsaw from Poland and from abroad and trained in experimental nuclear physics.

ŚLCJ has all the equipment necessary to run the experiments: big heavy ion cyclotron and spectrometers, and large group of collaborators, i.e. Italians from Catania. They have a Program Advisory Committee, which meets twice a year, where people may apply for the proposed experiments. Apart nuclear physics experiments, a special division of the Laboratory produces radio-pharmaceuticals delivered for PET in the Medical University and other centers in Warsaw, and has a very good collaboration with medical doctors. They produce also isotopes for cancer therapy – i.e. shortly lived beta emitters and isotopes to produce radiopharmaceuticals delivered to the hospital (the biggest in Warsaw) on Banacha Street in Warsaw.

K. Rusek invites all participants to visit the Laboratory after the meeting and presents annual report on the activity of ŚLCJ.

J. Jastrzębski explains the somewhat complicated conditions and problems with the production of radiopharmaceuticals at the large cyclotron of ŚLCJ in Warsaw, in collaboration with chemical laboratory of the Institute in Żerań. It is still on the 'research stage' because the commercial production of radiopharmaceuticals is not very much supported by the authorities of the University. According to this the equipment of ŚLCJ used for the production has to be hired by the Institute of Chemistry in Żerań.

M. Jeżabek presents shortly the scientific activity in Cracow, with three main Universities: Jagiellonian University (UJ), Technical University (AGH) and Politechnical University (PK) and the IFJ PAN, which is a research institute, the largest in the Polish Academy of Science. IFJ PAN with 500 employees and 70 PhD students, and with the developing Cyclotron Center Bronowice (CCB) – with two cyclotrons. The old one, build in 80' is used for proton therapy of eye melanoma, and a new one, Proteus 235, built by IBA Company, is equipped with gantry. IFJ PAN has got funds for the second gantry, a pencil scanning gantry, very modern and perfectly equipped, which should be ready in September 2015. This will allow expanding the proton therapy of patients not only for the southern part of Poland but also for the other parts of the country. At the beginning of 2013 a nuclear physics research program started in CCB; i.e. tests of some new scintillators exposed to proton beams and the experiments with spectrometer BINA. Scientific Advisory Committee for CCB (with A. Maj, K. Rusek, W. Zipper, S. Kistryn and B. Fornal from the Polish side, and F. Azaiez and M. Lewitowicz from the French side) is responsible for the scientific program. M. Jeżabek hopes it will be another opportunity to strengthen the French-Polish collaboration.

M. Jeżabek mentions some experiments and research programs in particle physics and experimental physics, i.e. in CERN (ATLAS and ALICE) with the participation of IFJ PAN – particularly the technical staff is involved in the upgrade of the detectors, participates in the construction of large scale equipment and infrastructure (Jyväskylä, Hamburg). Another interesting program is the energy production for fusion in cooperation with Greiswald.

A. Gózdź presents some activities on nuclear theory at the UMCS in Lublin and its large theoretical group. Lublin has five Universities, with 100.000 students. Because of some historical reasons most of experimental devices for experimental physics of UMCS is located in Dubna, so the collaboration with Russia is still active. Low energy nuclear physics is developed in Cracow and Warsaw (mainly nuclear structure), but in Lublin is the largest theoretical group. They work in fission, nuclear structure, symmetries in physics and the 'hot' problem of tetrahedral nuclei.

A. Maj informs about the development of COPIN-IN2P3 Collaboration – initially an agreement between CNRS and the consortium COPIN (of 8 Polish institutes of nuclear physics). Recently it has been extended to ECT* Trento (with a large theoretical group). According to the agreement the contribution of IFJ PAN to the funding of ECT* is 5.000 EURO per year, but from 2014 it will probably increase to 10.000 EURO. The MoU with EURISOL has been signed. A MoU with INFN Italy, concerning nuclear physics, is being prepared. The renewal until 31/12/2015 of the LEA COPIGAL with GANIL, CNRS and CEA has been signed..

A. Maj mentions that the COPIN grant terminates by the end of 2014 and most probably the application for prolongation of the funding for next year will be prepared. Afterwards a new project, for the next 4 years, will be prepared in due time. Grant for the COPIGAL project ended in 2013, but thanks to the renewal of the agreement the funding is granted till end 2015.

A. Maj stresses that the COPIN-IN2P3 Collaboration works fluently (apart from increasing bureaucratic problems on French side) and brings many good publications.

3. News from French scientific activity and status of funding.

J. Martino reminds that all laboratories under the responsibility of CNRS are shared with Universities and teach students. There is a network of 20 laboratories IN2P3/CNRS – ab. 15 of them are involved in nuclear or hadron physics, i.e. LPC Caen, IPN Orsay (major laboratory in nuclear physics), IPHC Strasbourg, IPN Lyon and CC-IN2P3 (big Computing Center), LPSC Grenoble, CENBG Bordeaux, SUBATECH Nantes and LPC Clermont. For nuclear physics, the priority is GANIL with the Spiral2 project under construction. In experimental physics there are strong collaborations with, JINR in Dubna, CERN Geneva, Riken and Jyväskylä, with strong theoretical support of INP (another institute of CNRS). For hadron physics the point is the same. The two main streams are ALICE and JLab.

IN2P3 is 'on the top' and controls the equipment of the laboratories and computing centers, and is responsible for the coordination between laboratories and universities.

Research at the interfaces – i.e. use of nuclear techniques for health (therapy and production of radionuclides) is similar to the therapy made in Poland. The network MIZB – headed by Alex Mueller – coordinates the activities of the low energy cyclotron in Strasbourg (CIRCE) and high energy cyclotron in Nantes (Arronax) in collaboration with physicians.

In nuclear energy CEA is the leader but IN2P3 focuses on some topics, i.e. ADS – Accelerator Driving System and new scenarii with thorium. IN2P3 contributes also to hadron/carbon therapy (in Caen and Lyon), radiochemistry for health but also for waste storage. CNRS/IN2P3 is involved in FAIR, XFEL, but the main project is SPIRAL2. – the first phase should be done as soon as possible (ab. 2016) first to

start the physics programme, and secondly for the political point of view, as it will be very helpful to get some funds for the phase two.

J. Jastrzębski asks about the French Hadron Project. A. Mueller responds that French Hadron Project is headed by medical doctors but IN2P3 is a part of it, and has placed its physicists in each department and gains some funds for it.

4. Discussion on realization of the exchange

A. Maj mentions that there is a very positive trend that some French physicists are from year to year more often coming for the experiments in Poland, i.e. to the LCJ experiments in Warsaw and CCB experiment in Cracow. Next year an experimental program will start, so now the balance of the exchange and using money between Polish and French scientists is more equivalent.

Generally, the exchange works fluently but A. Maj mentions about some administrative problems on French side, i.e. delays in reimbursements (up to 3 months) which is particularly difficult for young scientists and PhD students; strict conditions to prove the stay in France (plane tickets and originals of hotel bills); sometimes the rules of exchange are not known by the administration (some difficulties with the reimbursements of the internal travel in France). S. Spyrou explains that the case mentioned was a unique situation, resulting from misunderstanding, which has been already explained to IPHC Strasbourg. The French side will try to limit the delays of reimbursement in the future.

J. Martino explains that some regulations concerning the reimbursements are 'much above' CNRS and concerns also French scientists as well as all CNRS personnel. They will try to investigate the possibilities, but in France the rules are the same for each institution. However, he agreed that the delays in reimbursements are unfortunate but are certainly due to the work overload of the CNRS administration.

S. Spyrou cleared up the rules of reimbursement for Polish scientists in France:

"The CNRS regulation, applying both to its own personnel and to non-CNRS personnel, as far as the travel expenses in France are concerned, indicated that a total maximum amount of 90.5€ may be reimbursed. This amount is decomposed as follows:

- lump sum of 15,25€ per meal (lunch & diner);
- a maximum of 60€ per night (incl. breakfast) under condition that the price paid is of at least 60€; if the price is lower, only the real costs will be reimbursed. The invoice of the hotel must be provided to the CNRS administration.

So, the total costs that will be reimbursed also depend on the time of arrival and departure of each person; if, for example, a person arrives around 19:00, the hotel night & 1 meal will be reimbursed, i.e. 75.25€, and so on".

A. Maj informs that the rules of reimbursement for French scientist in Poland are relative to the number of nights i.e. we pay 300 PLN for one night (for the hotel and board) plus travel expenses within Poland (i.e. train ticket from Warsaw to Cracow or Lublin). It is not necessary to provide the invoice from the hotel.

S. Reymond mentions that in the POLONIUM Project, which has an exchange with Poland, Polonium pays to Campus France and they pay per diems and the travel expenses, but Campus France also take

some percentage for that. The Participants agreed that because of formal reasons this solution probably would not be accepted by CNRS or IFJ PAN.

A. Maj indicates that sometimes (i.e. in GANIL) the administration refused to accept the arrival of Polish scientist in the frame of days allocated because the visit (previewed for September) has not been reported before the end of June. This situation is probably linked to the obligation for the CNRS administration to prepare the corresponding hosting agreements which need some time to be prepared.

5. The allowance of time for the scientific exchange in 2014

A. Maj indicates that reports and requests are asked to be sent in different time – end of September in France and end of October in Poland. This is not reasonable. Therefore it was decided that in 2014 it will be changed – one report or request, agreed by both sides, has to be sent before the end of October simultaneously to both coordinators. But the applicants have to be informed that the reports sent after end of October will not be considered by the Committee.

D. G.. Mueller stresses that the quality of collaboration is good but there are some leaders already in retirement, i.e. in coll. 08-131 P. Quentin. Following this, the Committee agreed that in coll. 08-127 (Leśniak/Pain), because of the retirement of prof. L. Leśniak in 2014, the leader of collaboration has to be changed to prof. R. Kamiński.

A. Mueller indicates that some people do not use the days allocated, some do not publish. It is necessary to emphasize once more that all the publications issued in the frame of COPIN-IN2P3 Collaboration should acknowledge the support of IN2P3-COPIN. During the next meeting the Committee will look more exactly to the projects.

Each collaboration should enclose first page copies of all publications to the report.

The Committee has decided to allocate in 2014 - **500 days** for Polish scientists in France (this includes **20 days** for 'short stays', which involves stays of Polish members of the Joint Committee during its next meeting in Paris and **14 days** for the new collaboration ŚLCJ/GANIL – no 14-148 Jastrzębski/Choiński/deFrance), and **550 days** for French scientists in Poland (this includes **28 days** for 'short stays' and **14 days** for the new collaboration ŚLCJ/GANIL). The necessary documents concerning the new collaboration have to be completed as soon as possible.

The time to be allocated to each collaboration in 2014 as well as the time used in 2013 is given in the tables below.

6. Next meeting

The next meeting of the Joint Committee will take place at IN2P3/CNRS Paris, **on Monday, December 1st, 2014, at 9:30.**

REQUESTS FOR 2014 EXCHANGES

Collaboration		Theme	IN2P3 Spokesman	COPIN Spokesman	COPIN scientists in France					IN2P3 scientists in Poland				
					use/attr. 2013	NAME	Requests 2014 to IN2P3	Requests 2014 to COPIN	Attribution (in days)	use/attr. 2013	NAME	Requests 2014 to IN2P3	Requests 2014 to COPIN	Attribution (in days)
04-111	Orsay (IPN) Cracovie (SIP)	Leptons in p pion-induced reactions with HADES	RAMSTEIN	SALABURA	17/28	P.SALABURA J.BIERNAT W.PRZYGODA	10 10 10 30	10 10 10 30	21	6/15	B.RAMSTEIN T.HENNINO	8 8 16	8 8 16	14
04-113	Strasbourg (IPHC) Lublin (IPMCSU)	High-Symmetry point groups in nuclear structure and their experimental manifestations	DUDEK	GOZDZ	20/21	A.GOZDZ K.MAZUREK A.PEDRAK	7 7 7 21	7 7 7 21	22	20/21	J.DUDEK H.MOIQUE D.ROUVEL	7 7 7 21	7 7 7 21	22
05-115	Paris (LPNHE) Varsovie (INS)	Effets électromagnétiques et mésiques dans les atomes hadroniques	PAIN	WYCECH	7/7	S.WYCECH	20	20	10	0/7	JP.DEDONDER B.LOISEAU	10 10 20	10 10 20	10
05-116	Paris (LPNHE) Cracovie (IFUJ)	Développement de programmes Monte-Carlo pour utiliser les faisceaux du LHC comme des faisceaux de bosons électrofaibles	KRASNY	PLACZEK	20/20	W.PLACZEK S.JADACH	10 10 20	10 10 20	35	20/20	M.W.KRASNY	35	35	35
05-118	Orsay (CSNSM) Varsovie (SINS)	Simulation du comportement du combustible nucléaire usé à l'aide des techniques de faisceaux d'ions	GARRIDO	TUROS	14/14	L.NOWICKI	28	28	14	0/14	F.GARRIDO	14	14	14
05-119	Strasbourg (IPHC) Cracovie (IFJ PAN)	Statistical effects in nuclei and nuclear Jacobi shape transitions	DUDEK	MAJ	27/28	A.MAJ M.KMIECIK K.MAZUREK	8 10 10 28	8 10 10 28	28	17/28	J.DUDEK H.MOLOQUE D.ROUVEL	12 8 8 28	12 8 8 28	28
06-121 COPIGAL	GANIL Varsovie (HIL)	Studies of electromagnetic structure of exotic nuclei with GANIL facilities	CLEMENT	NAPIORKOWSKI	0/10	P.NAPIORKOWSKI	10	10	8	0/10	E.CLEMENT	10	10	10
06-122 COPIGAL	GANIL Varsovie (HIL)	Spectroscopie gamma de noyaux N-Z à l'aide d'Exogam	de France	PALACZ	0/10	M.PALACZ	14	14	8	0/10	G.DE France	10	10	10
06-126	Orsay (IPN) Cracovie (IFJ PAN)	Collective properties of exotic nuclei studied at ALTO with PARIS Demonstrator	AZAI EZ	KMIECIK	10/14 71%	M.KMIECIK M.CIEMALA A.MAJ P.BEDNARCZYK	4 3 4 3 14	4 3 4 3 14	14	11/14	F.AZAI EZ S.FRANCHOO I.STEFAN I.MATEA	8 2 2 2 14	8 2 2 2 14	14
08-127	Paris (LPNHE) Cracovie (IFJ PAN)	Violation de CP et interactions fortes dans les désintégrations hadroniques des mésons B et D	PAIN	LESNIAK	21/21	L.LESNI AK R.KAMINSKI	18 17 35	18 17 35	21	21/21	JP.DEDONDER B.LOISEAU	18 17 35	18 17 35	35
08-128 COPIGAL	GANIL Cracovie (IFUJ)	New GANIL detection setup for SHE identification	STODEL	WIELOCH	0/10	J.KALLUNKATHARIYIL Z.SOSIN A.WIELOCH	5 5 5 15	5 5 5 15	10	0/10	C.STODEL Others	7 7 14	7 7 14	10
08-131	Strasbourg (IPHC) Lublin (UMCS)	Broken symmetries, nuclear structure and collective motion	BARTEL	POMORSKI	49/49	K.POMORSKI K.MAZUREK L.PROCHNIAK B.NERLO-POMORSKA A.DOBROWOLSKI	15 12 12 15 11 65	15 12 12 15 11 65	65	49/49	J.BARTEL P.OUENTIN C.SCHMITT JP.WIELECZKO	20 15 20 10 65	20 15 20 10 65	65
09-133	Orsay (CSNSM) Varsovie (ITME)	Transformations structurales induites par l'irradiation dans des oxydes pour les applications nucléaires	THOME	JAGIELSKI	28/28	J.JAGIELSKI	35	35	14	0/15	L.THOME A.DEBELLE SATTONNAY	7 7 14	7 7 21	14

Collaboration		Theme	IN2P3 Spokesman	COPIN Spokesman	COPIN scientists in France					IN2P3 scientists in Poland						
					use/attr. 2013	NAME	Requests 2014 to IN2P3	Requests 2014 to COPIN	Attribution (in days)	use/attr. 2013	NAME	Requests 2014 to IN2P3	Requests 2014 to COPIN	Attribution (in days)		
09-135	Paris (APC) Lodz (IFJ)	Monte-Carlo generators for p-A and A-A at energies above 1017eV, simulation of extensive air shower development for the highest energy cosmic rays	PARIZOT	SZABELSKI	13/21	J.SZABELSKII	30	16	21	17/21	JN.CAPDEVIELLE	16	16	40		
						Z.PLEBANIAK	30	30			P.PRAT	10	10			
						J.KAZMARCZYK	30	14			G.PREVOT	10	10			
						90	60			P.GORODETZKY	12	16				
										E.PARIZOT	12	8				
										60		60				
09-136 COPIGAL	GANIL Cracovie (IFJ PAN)	Influence of the neutron excess on binary decays from compound nuclei	BONNET	MAZUREK	10/10	K.MAZUREK	7	7	12	6/10	E.BONNET	5	5	20		
						M.CIEMALA	5	5			D.GRUYER	5	5			
						12				J.D.FRANKLAND	5	5				
										A.CHBIHI	5	5				
										20		20				
10-137 COPIGAL	GANIL Cracovie (IFJ PAN)	Isospin symmetry breaking exceptional points and effective symmetries from a perspective of the shell model embedded in the continuum	PLOSZAJCZAK	OKOLOWICZ	10/10	J.OKOLOWICZ	21	21	21	10/10	M.PLOSZAJCZAK	21	21	21		
10-138	Annecy (LAPP) Cracovie (IFJ PAN)	Phénoménologie des désintégrations des bons W et Z et de nouveaux états à haute masse au LHC et à RHIC.	DI CIACCIO HRYN' OVA	WAS	28/28	Z.WAS	20	20	21	0/15	M.DELMASTRO	5	5	15		
						T.PREDZINSKI	10	10			Z.BARNOSKOVA	5	5			
						30				E.SAUVAN	5	5				
										15		15				
10-139	Marseille (CPPM) Cracovie (IFJ PAN)	Towards first physics results: commissioning b-tagging and tau identification using the tracking and calorimeter systems in Atlas	COADOU	WOSIEK	0/0	0/0 SUSPENDED FOR 2013; NO REQUEST TRANSMITTED FOR 2014										
10-140	Paris (LPNHE) Cracovie (IFJ PAN)	ATLAS-LPNHEIFJ-ELECINJET: Use of electrons in jets with first Atlas data	DERUE	KACZMARSKA	28/28	A.KACZMARSKA	9	6	30	22/28	F.DERUE	15	15	30		
						M.WOLTER	7	6			S.PIRES	15	15			
						P.MALECKI	7	6								
						P.BRUCKMAN DE RENSTROM	7	6								
						A.ZEMLA	0	6								
						30				30		30				
11-142	Annecy (LAPP) Cracovie (IFJ PAN)	Precision measurements with W and Z events in the first phase of the LHC	DI CIACCIO	RICHTER-WAS	23/28	E.RICHTER-WAS W.PLACZEK	20 10	20 10	15	11/15	L.DI CIACCIO S.JEZEQUEL I.WINGERTER	5 5 5	5 5 5	15	15	15
11-143	Lyon (IPN) Cracovie (IFT)	ORPA code for triaxial nuclei	BENNAEUR	DOBACZEWSKI	7/12	5/12 END OF THE COLLABORATION										
12-145	GANIL Cracovie (IFJ PAN)	Advanced Monte-Carlo and GEANT4 simulations for optimizing future experiments dedicated to nuclear dynamics at GANIL, SPIRAL1 and SPIRAL2.	SCHMITT	MAJ	16/28	A.MAJ	5	5	30	24/30	C.SCHMITT	15	15	30		
						K.MAZUREK	10	10			J.P.WIELECZKO	5	5			
						M.CIEMALA	10	10			O.STEZOWSKI	5	5			
						M.KMIECIK	5	5			O.DORVAUX	5	5			
						M.KRZYSIEK	5	5								
						35				30		30				
12-146	Caen (LPC) avec LPSC et CSNSM Cracovie (IFJ PAN)	n_EDM - Magnetic field calculations and monitoring - Detection and data acquisition	QUEMENER	ZEJMA	12/14	J.ZEJMA M.PERKOWSKI K.BODEK M.RAWLIK	6 3 6 6	6 3 6 6	16	12/14	G.QUEMENER S.ROCCIA D.DEBREYEND Y.KERMAIDIC	4 4 4 4	4 4 4 4	16	16	16
12-147	Orsay (IPN) Varsovie (NCNR)	KT factorisation and quarkonium production in the LHC era	LANSBERG	SZYMANOWSKI	21/21	L.SZYMANOWSKI	21	21	30	21/21	J.P.LANSBERG	20	20	40		
						J.WAGNER	14	14			C.HADJIDAKIS	14	14			
						D.BLASCHKE	5	5			C.LORCE	6	6			
						40				40		40				
14-148 new	GANIL Varsovie (SLCJ)	Radioactive Nuclei for medical applications	DE France	JASTRZEBSKI CHOINSKI		J.CHOINSKI B.RADOMISKY A.TRZCINSKA J.JASTRZEBSKI	4 4 3 3		14		J.GRINYER M.FADIL F.DE OLIVEIRA G.DE France	3 3 3 5		14	14	
										14		14				
RESERVE					4/40			20	10/40					28		

2013 EXCHANGES

N°	Partners	Title of the collaboration	COPIN Scientists	Number of days used	Days used / Days attributed	IN2P3 Scientists	Number of days used	Days used / Days attributed
04-111	Orsay (IPN)	Leptons in p pion-induced reactions with HADES	PRZYGODA W.	2	02/04/13 - 04/04/13	RAMSTEIN B.	3	08/07/13 - 11/08/13
	Cracovie (SIP)		PRZYGODA W.	4	16/09/13 - 20/09/13	HENNINO T.	3	08/07/13 - 11/08/13
			KUC H.	4	16/09/13 - 20/09/13			
			BIERNAT J.	4	16/09/13 - 20/09/13			
			SALABURA P.	3	02/04/13 - 05/04/13			
			17	17d/28d		6	6d/15d	
04-113	Strasbourg (IPHC)	High-Symmetry point groups in nuclear structure and their experimental manifestations	GOZDZ A.	10	07/11/13 - 17/11/13	DUDEK J.	7	24/09/13 - 29/09/13
	Lublin (IPMCSU)		PEDRAK A.	10	07/11/13 - 17/11/13	SCHMITT CH.	6	24/09/13 - 29/09/13
						VAN GAI N.	7	23/09/13 - 29/09/13
				20	20d/21d		20	20d/21d
05-115	Paris (LPNHE)	Effets électromagnétiques et mésiques dans les atomes hadroniques	WYCECH S.	7	20/05/13 - 01/06/13			
	Varsovie (NCNR)							
				7	7d/7d		0	0d/7d
05-116	Paris (LPNHE)	Développement de programmes Monte-Carlo pour utiliser les faisceaux du LHC comme des faisceaux de bosons électrofaibles	PLACZEK W.	20	28/07/13 - 17/08/13	KRASNY M.W.	7	05/05/13 - 12/05/13
	Cracovie (IFUJ)					KRASNY M.W.	13	08/11/13 - 21/11/13
				20	20d/20d		20	20d/20d
05-118	Orsay (CSNSM)	Simulation du comportement du combustible nucléaire usé à l'aide de techniques de faisceaux d'ions	NOWICKI L.	14	02/12/13 - 14/12/13			
	Varsovie (NCNR)							
				14	14d/14d			0d/14d
05-119	Strasbourg (IPHC)	Statistical effects in nuclei and nuclear Jacobi shape transitions	MAZUREK K.	13	04/11/13 - 16/11/13	DUDEK J.	4	04/07/13 - 07/07/13
	Cracovie (IFJ PAN)		SZPAK B.	8	23/11/13 - 30/11/13	DUDEK J.	6	29/09/13 - 05/10/13
			SZPAK B.	6	15/12/13 - 20/12/13	JENTSCHHELL M.	7	23/09/13 - 29/09/13
				27	27d/28d		17	17d/28d
06-121	Orsay (IPN)	Studies of electromagnetic structure of exotic nuclei with GANIL facilities						
	Varsovie (HIL)							
				0	0d/10d		0	0d/10d
06-122	GANIL	Spectroscopie gamma de noyaux N-Z à l'aide d'Exogam						
	Varsovie (HIL)							
				0	0d/10d		0	0d/10d
06-126	Orsay (IPN)	Exotic shapes of nuclei studied with stable and radioactive beams	MAJ A.	4	16/11/13 - 20/11/13	AZAIÉZ F.	3	28/08/13 - 31/08/13
	Cracovie (IFJ PAN)		CIEMALA M.	6	19/11/13 - 25/11/13	AZAIÉZ F.	3	10/10/13 - 13/10/13
						GALES S.	3	10/10/13 - 12/10/13
						LEWITOWICZ M.	2	11/10/13 - 12/10/13
				10	10d/14d		11	11d/14d
08-127	Paris (LPNHE)	Violation de CP et interactions fortes dans les désintégrations hadroniques des mésons B et	LESNIAK L.	11	01/07/13 - 12/07/13	DEDONDER JP. + 1 travel (= 4,4d)	12	06/05/13 - 18/05/13

N°	Partners	Title of the collaboration	COPIN Scientists	Number of days used	Days used / Days attributed	IN2P3 Scientists	Number of days used	Days used / Days attributed
	Cracovie (IFJ PAN)	desintégrations hadroniques des mésons B et D	KAMINSKI R.	10	24/09/13 - 4/10/13	LOISEAU B. + 1 travel (= 2d)	9	09/09/13 - 18/09/13
				21	21d/21d		21	21d/21d
08-128	GANIL	New GANIL detection setup for SHE identification						
	Cracovie (IFUJ)			0	0d/10d		0	0d/10d
08-131	Strasbourg (IPHC)	Broken symmetries, nuclear structure and collective motion	POMORSKI K.	8	24/04/13 - 04/05/13	BARTEL J.	9	29/08/13 - 07/09/13
	Lublin (UMCS)		MAZUREK K.	12	26/11/13 - 07/12/13	BARTEL J. (incl. Conference fee)	7	25/09/13 - 29/09/13
			PROCHNIAK L.	8	03/11/13 - 10/11/13	QUENTIN P. (incl. Conference fee) + 1 travel (= 5,3d)	7	25/09/13 - 29/09/13
			NERLO-POMORSKA B.	8	26/04/13 - 04/05/13	BENACEUR K. (incl. Conference fee)	7	25/09/13 - 29/09/13
			DOBROWOLSKI A.	10	10/12/13 - 19/12/13	SCHMITT CH.	4	25/09/13 - 29/09/14
			WARDA M.	3	28/05/13 - 31/05/13	SCHMITT CH.	15	29/09/13 - 13/10/13
			49	49d/49d		49	49d/49d	
09-133	Orsay (CSNSM)	Transformations structurales induites par l'irradiation dans des oxides pour les applications nucléaires	JAGIELSKI J.	28	01/09/13 - 28/09/13			
	Varsovie (ITME)			28	28d/28d		0	0d/15d
09-135	PARIS (APC)	Monte-Carlo generators for p-A and A-A at energies above 10(17) eV, simulation of extensive air shower development for the highest energy cosmic rays	SZABELSKIL J.	6	15/09/13 - 21/09/13	CAPDEVIELLE J.N.	8	22/03/13 - 30/03/13
	Lodz (NCBJ)		PLEBANIAK Z.	7	06/10/13 - 13/10/13	CAPDEVIELLE J.N.	9	22/10/13 - 31/10/13
				13	13d/21d		17	17d/21d
09-136	GANIL	Influence of the neutron excess on binary decays from compound nuclei	MAZUREK K.	10	21/05/13 - 30/05/13	GRUYER D.	6	20/10/13 - 26/10/13
copigal	Cracovie (IFJ PAN)			10	10d/10d		6	6d/10d
10-137	GANIL	Isospin symmetry breaking exceptional points and effective symmetries from a perspective of the shell model embedded in the continuum	OKOLOWICZ J.	10	26/08/13 - 04/09/13	PLOSZAJCZAK M. (incl. Conference fee)	10	01/09/13 - 07/09/13
copigal	Cracovie (IFJ PAN)			10	10d/10d		10	10d/10d
10-138	LAPP	Phénoménologie des désintégrations des bosons W et Z et de nouveaux états à haute masse au LHC et à l'ILC	WAS Z.	21	03/10/13 - 24/10/13			
	Cracovie (IFJ PAN)		PRZEDZINSKI T.	7	02/12/13 - 08/12/13			
				28	28d/28d		0	0d/15d
10-139	Marseille (CPPM)	Towards first physics results : commissioning b-tagging and tau identification using the tracking and calorimeter systems in ATLAS						
	Cracovie (IFJ PAN)			0	0d/d	suspended for 2013	0	0d/d
10-140	Paris (LPNHE)	ATLAS-LPNHE IFJ-ELECINJET : use of electrons in jets with first ATLAS data and calorimeter systems in ATLAS	KACZMARSKA A.	7	08/12/13 - 15/12/13	DERUE F. + 1 travel (= 2,6d)	11	26/08/13 - 06/09/13
	Cracovie (IFJ PAN)		MALECKI P.	7	08/12/13- 15/12/13	PIRES S. + 1 travel (= 2,6d)	11	26/08/13 - 06/09/13

N°	Partners	Title of the collaboration	COPIN Scientists	Number of days used	Days used / Days attributed	IN2P3 Scientists	Number of days used	Days used / Days attributed	
			De RENSTROM PB.	7	08/12/13 - 15/12/13				
			ZEJMA J.	7	08/12/13 - 15/12/13				
				28	28d/28d		22	22d/28d	
11-142	Annecy (LAPP)	Precision measurements with W and Z events in the first phase of the LHC	RICHTER WAS E.	16	24/08/13 - 08/09/13	JEZEQUEL S. + 1 travel (=8d)	4	25/11/13 - 28/11/13	
	Cracovie (IFUJ)		RICHTER WAS E.	7	29/09/13 - 07/10/13	KEOSHERIAN H. + 1 travel (= 4d)	7	27/11/13 - 04/12/13	
				23	23d/28d		11	11d/15d	
11-143	Lyon (IPN)	QRPA code for triaxial nuclei	DOBACZEWSKI J	7	27/06/13 - 04/07/13	BENNACEUR K.	5	21/04/13 - 26/04/13	
	Cracovie (IFT)								
				7	7d/12d		5	5d/12d	
12-145	GANIL	Advanced Monte-Carlo and GEANT4 simulations for optimizing future experiments dedicated to nuclear dynamics at GANIL, SPIRAL1 and SPIRAL2	MAZUREK K.	10	17/11/13 - 26/11/13	SCHMITT C.	6	09/05/13 - 15/05/13	
			CIEMALA M.	6	22/09/13 - 27/09/13	SCHMITT C.	9	16/09/13 - 25/09/13	
						SCHMITT C.	1	16/10/13 - 16/10/13	
	Cracovie (IFJ PAN)					NADTOCHY P.	8	10/05/13 - 16/05/13	
				16	16d/28d		24	24d/30d	
12-146	Caen (LPC)	n_EDM-Magnetic field calculations and monitoring - Detection and data acquisition	ZEJMA J.	4	05/11/13 - 09/11/13	LEFORT T.	3	30/06/13 - 03/07/13	
	Cracovie (IFUJ)		PERKOWSKI M.	4	05/11/13 - 09/11/13	BAN G.	3	30/06/13 - 03/07/13	
			RAWIK M.	4	05/11/13 - 09/11/13	REBREYEND D.	3	30/06/13 - 03/07/13	
						PIGNOL G.	3	30/06/13 - 03/07/13	
				12	12d/14d		12	12d/14d	
12-147	Orsay (IPNO)	Kt factorisation and quarkonium production in the LHC era	SZYMANOWSKI L.	16	17/11/13 - 03/12/13	LANSBERG JP.	7	24/08/13 - 31/08/13	
	Varsovie (NCNR)		WAGNER J.	5	21/07/13 - 26/07/13	DUCLOUSE B.	7	11/10/13 - 18/10/13	
						BOUSSARIE R.	7	06/11/13 - 13/11/13	
				21	21d/21d		21	21d/21d	
RESERVE	Paris (CNRS/IN2P3)	Comité Mixte IN2P3/COPIN	NIEWIARA M.	4	12/11/13 - 16/11/13	MARTINO J.	2	28/11/13 - 29/11/13	
						SPYROU S.	2	28/11/13 - 29/11/13	
						MUELLER A.	2	28/11/13 - 29/11/13	
						MATHY-MONTALESCOT L.	2	28/11/13 - 29/11/13	
						GUILLEMAUD-MUELLER D.	2	28/11/13 - 29/11/13	
				4	4d/40d		10	10d/40d	
TOTAL				381	381d/460d	TOTAL		272	272d/410d
RESERVE				4	4d/40d	RESERVE		10	10d/40d
TOTAL (with reserve)				385	385d/500d	TOTAL (with reserve)		282	282d/450d