

COPIE CERTIFIÉE CONFORME
Minh-Hà PHAM-DELEGUE
Directrice de la direction Europe de la recherche
et coopération internationale

**AGREEMENT TO CREATE THE ASSOCIATED INTERNATIONAL
LABORATORY (LIA)**

**International Laboratory for Collider Physics”
(ILCP)**

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE, hereinafter referred to as **CNRS**, a public scientific and technological institution with headquarters at 3, rue Michel-Ange, 75794 Paris, France, represented by its **President, Mr. Alain FUCHS**,

acting in its own name and on behalf of

- Laboratoire de Physique Subatomique et de Cosmologie – UMR 5821 (LPSC), Director: Mr. Serge Kox
- Centre de Physique des Particules de Marseille – UMR 6550 (CPPM), Director: Mr. Eric Kajfasz
- Laboratoire d’Annecy-le-vieux de Physique des Particules – UMR 5814 (LAPP), Director: Mr. Yannis Karyotakis
- Laboratoire de Physique Corpusculaire de Clermont-Ferrand – UMR 6533 (LPC Clermont), Director: Mr. Alain Baldit
- Laboratoire de Physique Nucléaire et des Hautes Énergies – UMR 7585 (LPNHE), Director: Mr. Reynald Pain
- Laboratoire de Physique Théorique et Astroparticules – UMR 5207 (LPTA), Director: Mr. Alain Falvard

And

UNIVERSITÉ JOSEPH FOURIER – GRENOBLE 1, hereinafter referred to as **UJF**, a public scientific, cultural and professional institution, with headquarters at 621, avenue Centrale, Domaine Universitaire, BP53, 38041 Grenoble Cedex 9, France, represented by its **President, Mr. Farid OUABDESSELAM**,

acting in its own name and on behalf of:

- Laboratoire de Physique Subatomique et de Cosmologie, UMR 5821 (LPSC), Director: Mr. Serge Kox

And

UNIVERSITE DE LA MEDITERRANEE - AIX MARSEILLE 2, hereinafter referred to as **Université de la Méditerranée**, a public scientific, cultural and professional institution, with headquarters at 58, Bvd Charles Livon, Jardin du Pharo, 13284 Marseille Cedex 7, France, represented by its **President, Mr. Yvon BERLAND**,

acting in its own name and on behalf of:

- Centre de Physique des Particules de Marseille, UMR 6550 (CPPM), Director: Mr. Eric Kajfasz

And

UNIVERSITÉ DE SAVOIE, hereinafter referred to as **UdS**, a public, scientific, cultural and professional institution with headquarters at 27, rue Marcoz, 73011 Chambéry Cedex, France, represented by its **President, Mr. Gilbert ANGENIEUX**,

acting in its own name and on behalf of:

- Laboratoire d’Annecy-le-vieux de Physique des Particules – UMR 5814 (LAPP), Director: Mr. Yannis Karyotakis

And

UNIVERSITÉ BLAISE PASCAL – CLERMONT-FERRAND 2, hereinafter referred to as **UBP**, a public, scientific, cultural and professional institution with headquarters at 24, avenue des Landais, 63177 Aubière Cedex, France, represented by its **President, Mrs Nadine LAVIGNOTTE**,

acting in its own name and on behalf of:

- Laboratoire de Physique Corpusculaire de Clermont-Ferrand – UMR 6533 (LPC Clermont), Director: Mr. Alain Baldit

And

UNIVERSITÉ PIERRE ET MARIE CURIE - PARIS 6, hereinafter referred to as **UPMC**, a public, scientific, cultural and professional institution with headquarters at 4, place Jussieu, 75005 Paris Cedex, France, represented by its **President, Mr. Jean-Charles POMEROL**,

And

UNIVERSITÉ PARIS DIDEROT- PARIS 7, hereinafter referred to as **Université Paris 7**, a public scientific, cultural and professional institution, with headquarters at 5, rue Thomas Mann, 75205 Paris Cedex 13, France, represented by its **President, Mr Vincent BERGER**,

acting in their own names and jointly on behalf of:

- Laboratoire de Physique Nucléaire et des Hautes Énergies – UMR 7585 (LPNHE), Director: Mr. Reynald Pain

And

UNIVERSITE MONTPELLIER 2 SCIENCES ET TECHNIQUES, hereinafter referred to as **UM2**, a public, scientific, cultural and professional institution with headquarters at place Eugène Bataillon, 34095 Montpellier Cedex, France, represented by its **President, Mrs Danièle HÉRIN**,

acting in its own name and on behalf of:

- Laboratoire de Physique Théorique et Astroparticules – UMR 5207 (LPTA), Director: Mr. Alain Falvard

And

CENTRE NATIONAL POUR LA RECHERCHE SCIENTIFIQUE ET TECHNIQUE, hereinafter referred to as **CNRST**, a public institution, with headquarters at Angle avenue Allal El Fassi, avenue des FAR, Quartier Hay Ryad, BP. 8027 Nations Unies, 10102 Rabat, Morocco, represented by its **Director, Mr. Said BELCADI**,

acting in its own name and jointly on behalf of:

- Réseau Universitaire de Physique des Hautes Energies (RUPHE) du Maroc (University Network of Particle Physics named RUPHE), Faculté des sciences Ain Chock, BP 5366 Maarif, Casablanca, Morocco, National Coordinator: Mr. Driss Benchekroun

And

KUNGL TEKNISKA HÖGSKLAN (Royal Institute of Technology) hereinafter referred to as **KTH**, a public institution with headquarters at 100 44 Stockholm, Sweden, represented by its **President, Mr. Peter GUDMUNDSON**,

acting in its own name and on behalf of:

- Physics Department of KTH, Head: Mr. Bengt Lund-Jensen

And

Uppsala UNIVERSITET, a public institution with headquarters at St Olofsgatan 10 B, 751 05 Uppsala, Sweden, represented by its **Rector, Mr. Anders HALLBERG**, and by delegation of authority by the **Head of Department for Physics and Astronomy, Mr. Göran POSSNERT**,

acting in its own name and on behalf of:

- Department of Physics and Astronomy, Elementary Particle Physics, Prof. and Chair, Mr. Tord E Ekelöf

Hereinafter referred to individually as the “Party” or collectively as the “Parties”.

CONSIDERING:

- the scientific cooperation Agreement between the Centre National pour la Recherche Scientifique et Technique and CNRS/IN2P3 signed on January, 7, 2004
- the constitutive Agreement of the International Research Network (GDRI) “Calorimétrie électromagnétique à argon liquide d’Atlas”/“ATLAS liquid argon electromagnetic calorimetry” signed on December 1st, 2003 and renewed for a duration of one year by an addendum signed on October 15, 2008.

PREAMBLE

The historical reason which brought several Swedish, Moroccan and French laboratories to initiate a formal collaboration in the middle of 1990’s, is their co-involvement in the design and the construction of one of the ATLAS subdetectors, namely the electromagnetic liquid argon calorimeter and in particular its presampler. For the first time in its modern history, Morocco actively participated in the construction of a major international scientific instrument, while helping on some occasions its partners fulfill their involvement. This close and reciprocal collaboration clearly helped Morocco keep an active high-energy physics community that is still very much alive. It also created strong bilateral links between Nordic, West-European and Moroccan laboratories that could be further explored to foster a better knowledge sharing between the North and the South.

An International Scientific Collaboration Program (PICS) between these partners was established in 1997. In 2001, an Integrated Action (AI) took over which subsequently led in 2003 to the very first International Research Group (GDRI) set up by CNRS. Given the quality of the accomplishment, in 2008, the decision was taken to create an International Associate Laboratory (LIA) named “ILCP: International Laboratory for Collider Physics”.

After almost 20 years of design, construction and tests, the LHC and its giant detectors have entered a new phase. LHC became the world highest-energy accelerator in operation. ILCP will focus towards exploiting the rich scientific potential of LHC. Undoubtedly, this new and most exciting era will last more than ten years. ILCP will play a major role in training the new generation of physicists who will participate in the analysis of the LHC data. Already now, more than 10 Ph.D. students work in the ILCP environment. Our objective is to at least double this number in a few years. At the same time ILCP will seek to maintain the R&D momentum and potential to ensure the participation in the preparation of the next super collider projects: SLHC, ILC or CLIC. In this view, we deem that a key condition for success is the opening of the collaboration to new European and Moroccan partners. The Parties decide to develop their scientific ties by participating in the scientific exploitation of the LHC, in the preparation of the Super-LHC, ILC and CLIC projects, and their associated computing projects using the Grids.

Consequently, the Parties agree on the basis of the present Agreement to create the Associated

International Laboratory (LIA) “**International Laboratory for Collider Physics (ILCP)**” for a period of four (4) years, starting 1 January 2010.

TITLE I – CREATION, TERM, NAME, PURPOSE AND COMPOSITION

Article 1: Creation and term

The creation of the LIA shall be effective 1 January 2010, for a term of four (4) years.

Article 2: Name

The name of the LIA shall be “**International Laboratory for Collider Physics**”.
Its abbreviation is “**ILCP**”.

The use of the name “International Laboratory for Collider Physics – ILCP” with third parties shall reflect the nature of the cooperative relationship in which the Parties are considered separate legal and liable entities. In addition, the Parties shall not use the name “International Laboratory for Collider Physics – ILCP” when in contact with third parties, except as per the terms set forth in Article 10 herein.

Article 3: Purpose

The purpose of the creation of the LIA shall be to carry out the collaborative scientific program described in Annex 1, which forms an integral part of this Agreement.

Article 4: Composition

The denomination of the LIA “International Laboratory for Collider Physics – ILCP” shall refer to the following laboratories/teams/part of teams with their employees whose status concerning employment law will not be affected:

- Laboratoire de Physique Subatomique et de Cosmologie – UMR 5821 (LPSC)
- Centre de Physique des Particules de Marseille – UMR 6550 (CPPM)
- Laboratoire d’Annecy-le-vieux de Physique des Particules – UMR 5814 (LAPP)
- Laboratoire de Physique Corpusculaire de Clermont-Ferrand – UMR 6533 (LPC Clermont)
- Laboratoire de Physique Nucléaire et des Hautes Énergies – UMR 7585 (LPNHE)
- Laboratoire de Physique Théorique et Astroparticules – UMR 5207 (LPTA)
- Réseau marocain Universitaire de Physique des Hautes Énergies – (RUPHE)
- Physics department of KTH
- Department of Physics and Astronomy, Subdepartment of High Energy Physics, University of Uppsala

Article 5: Nature of the cooperation

The LIA has no legal status or capacity.

This Agreement neither sets out to nor results in, nor should anything in it be construed as either forming, creating, implementing or recognizing the creation of a joint company, agency relationship, corporation, interest group or any other type of commercial grouping or entity or de facto company by the Parties.

All research activities conducted in the framework of the LIA activities and Joint Projects shall be done in compliance with all the applicable national laws, national regulations, and guidelines of the countries and institutions in which the research is conducted.

TITLE II – ORGANISATION OF THE LIA

Article 6: Scientific Leaders

The LIA is run by three (3) scientific leaders, one for each involved country. Scientific expertise and the coordination of the LIA activities are jointly provided for the Parties to this Agreement by:

- Mr. Johann Collot, Laboratoire de Physique Subatomique et de Cosmologie – UMR 5821, Grenoble, France
- Mr. Arnaud Ferrari, Department of Physics and Astronomy, Subdepartment of High Energy Physics, University of Uppsala, Sweden
- Mr. Abdeslam Houmada, Réseau Universitaire de Physique des Hautes Energies (RUPHE) du Maroc, Université de Casablanca, Morocco

Together, they shall coordinate the research project, the provisional budget and the annual financial and scientific reports to be submitted to the Steering Committee.

Article 7: Steering Committee

7-1. Composition

In order to coordinate the scientific program of the LIA “International Laboratory for Collider Physics (ILCP)”, a Steering Committee is established. The Steering Committee is composed of:

For France:

- One (1) representative of IN2P3/CNRS : the Deputy Director of the Institut National de Physique Nucléaire et de Physique des Particules (IN2P3) or his/her representative
- One (1) representative of UJF, the deputy Vice-President in charge of international relations, Mr. Michael Klasen or his/her representative

For Sweden:

- One (1) representative of KTH: the Dean of the School of Sciences, Mr. Gustav Amberg or his/her representative
- One (1) representative of Uppsala Universitet: the Dean of Physics Section of the Faculty of Science and Technology, Mr. Ulf Danielsson or his/her representative

For Morocco:

- One (1) representative of CNRST Rabat: the Director, Mr. Said Belcadi or his/her representative
- One (1) representative of Faculté des Sciences Aïn Chock de Casablanca, the Dean, Mr. Mohamed Touhami Ouazzani or his/her representative

All representatives of the Parties possess equal voting rights.

Subject to the execution of a nondisclosure agreement, each Party may invite members of its administrative organization and/or outside parties to attend the steering committee meetings. Such invited guests shall sit in a consultative capacity.

The Scientific Leaders of the LIA shall attend the steering committee meetings in a consultative capacity.

7-2. Chairman

Each steering committee meeting is presided over by one of its members, appointed at the beginning of each meeting and on a revolving basis by each of the Parties.

The Chairman shall report to the Parties on the results obtained and the use of funds.

7-3. Meeting

The Steering Committee shall meet at the request of a Steering Committee member, but at least once a year and, at the request of the scientific leaders, as often as the interests of the LIA necessitate meetings.

The Steering Committee shall not decide validly unless all of its members are present or represented.

Each member has one vote and decisions shall be taken by a simple majority of the votes; in the event of an equal number of votes, the vote of the scientific leaders shall be counted.

7-4. Role

The Steering Committee shall:

- coordinate decisions on the state, planning and direction of the research;
- formulate recommendations on the funding required for the LIA activities;
- report to the Parties on results obtained and on the use of funding.

It may also debate any other issues related to the LIA.

TITLE III – FINANCIAL AND HUMAN RESOURCES

Article 8: Funding provisions

The budget required to carry out the LIA research program shall be prepared by the three LIA Scientific Leaders prior to the start of every calendar year and shall be submitted to the Steering Committee for approval.

Annex 2, attached hereto and incorporated herein by reference, sets out the projected budget for the year in which the LIA is created. This budget is updated annually by the three LIA Scientific Leaders, following approval of the Steering Committee.

Each LIA Party shall manage its funds commensurate with its resources (budget allocations from its State or other sources).

Once a year, each Party shall provide justification to the other Parties of the resources (including equipment, premises and personnel) it allocated over the past year to the scientific cooperation project undertaken by this Agreement. For this purpose, the Parties shall prepare a report on the allocation and use of funding.

The use of funding by each Scientific Leader for the LIA research project described in Annex 1 may be confirmed at year's end upon the simple request of an authorized representative of one of the Parties. Moreover, the funds used by LIA scientific leaders are subject to the customary monitoring mechanisms of their respective supervisory bodies and their respective countries to verify their legitimate use in relation to the purpose of this Agreement.

Article 9: Staff

Personnel who are designated by the Scientific Leaders to contribute to the LIA project shall remain under the authority of their original organization and carry out their work under the supervision of their hierarchical superior. To that end, the Scientific Leaders shall consult on the implementation, schedule and extent of the participation of said personnel in the joint scientific project. Annex 3 summarizes this participation for the first LIA-year. Any modification must be immediately communicated to the Parties and shall require an update to Annex 3.

Article 10: Research contracts

All research contracts relating to the aims of the LIA that the respective parties of the LIA shall execute with third parties, public or private, require, depending on the Party(ies) in charge of the total or partial execution of the contract, the signature of the legal representative of the said Party(ies).

Unless otherwise agreed between the Parties the research contracts shall be negotiated by the Party having express authority to do so given by the Party (ies) involved in the said contract. The negotiating Party has the obligation to inform the other Parties on the results of all proposals and negotiations. The other Parties shall have the opportunity to respond in one (1) month time, after which the negotiation is deemed approved. The appointed Party is in charge of good conduct of the negotiation between the Parties.

In all cases, the national legal regulations in force shall be respected by the Parties involved.

The research contracts are managed by the Party that negotiated them. However, the LIA Steering committee may request that the management of one or more contract(s) be assigned to another Party. All Parties shall be so informed.

The nondisclosure clauses included in such research contracts must not preclude the concerned researchers from including their research in activity reports.

The contracts explicitly provide cover for general expenses to be paid by the authorized Party for the activities developed there under. The corresponding amounts, fixed jointly by the Parties, shall be allocated to the authorized Party research budget for the specific project.

For research contracts managed by CNRS that include personnel costs, a withholding of 8% as a job loss provision contribution shall be deducted from the pre-tax amount of pay, including social and employer charges.

For research contracts managed by UJF that include personnel costs, a withholding of 10% as a job loss provision contribution shall be deducted from the pre-tax amount of pay, including social and employer charges.

TITLE IV – INTELLECTUAL PROPERTY

Article 11: Publications

All Parties undertake to share all information needed to carry out the joint research work with the other Parties subject to third parties rights. The publication of scientific results shall be made according to the usual custom and practice of the scientific community.

Publications related to the joint research efforts of the LIA “International Laboratory for Collider Physics – ILCP” shall include reference to the LIA Parties. Such publications shall bear the mandatory statement: Research conducted in the scope of a LIA known as “International Laboratory for Collider Physics – ILCP”.

Throughout the term of this Agreement and for a subsequent period of two (2) years, each Party shall request the consent of the other Parties when planning publication related to the LIA “International Laboratory for Collider Physics – ILCP” research project. This consent may not be unreasonably withheld.

No publication or paper may be delayed beyond three (3) months from the date of request except where such publication or paper contains important information that should be protected by IP rights.

Article 12: Nondisclosure

Concerning all information explicitly identified as “confidential” obtained by a Party (Receiving Party) under the present Agreement on behalf of another Party (Disclosing Party), the Receiving Part(y)(ies) undertake, for a period of four (4) years, with effect from the date the information was disclosed, to:

- Refrain from using this information for other than the purpose of its disclosure;
- Refrain from disclosing this information to any third party without the written consent of the Disclosing Party;
- Restrict the internal circulation of this information by the Receiving Party to the laboratories/teams set forth in Article 4 and do so on a strict “need to know” basis;
- Return to the Disclosing Party, upon request, all information which had been provided to or obtained by the Receiving Party, including all copies thereof, and to erase all information stored in any machine in legible form, except for archive use only according to national laws or national regulations.

The foregoing shall remain applicable, except if the information:

- is or becomes public by a source other than the Disclosing Party;
- is developed by the Receiving Party completely independently from any disclosure by the Disclosing Party;
- is disclosed in order to comply with national laws, national regulations, national Court orders or legal provision to which the Receiving Party is subject.

The Parties shall be liable for the performance of the foregoing obligations by their employees and shall verify that their employees are legally bound, insofar as possible, both during and following termination of their employment.

None of the foregoing is intended to preclude:

- the submission of a thesis to examiners pursuant to the rules and usual practices of the Parties, subject where necessary and legally possible to the execution of nondisclosure provisions whose terms shall not be less restrictive than the foregoing;
- the fulfillment of a duty by a Party to provide a scientific activity report for the government or administrative organization under which it operates. This report shall not be deemed a public disclosure, but shall be considered an internal document of the Party.

The cancellation or termination of this Agreement shall not release the Parties from their rights and obligations arising out of this Article.

Article 13: Results

13-1. Ownership of results and rights of access

The Parties shall retain exclusive title to the research results, patented or not, held prior to this agreement coming into effect or that they hold outside the scope of this agreement. The other Parties shall in no way acquire rights arising out of this agreement over said research results.

“Results of the LIA” herein is intended to indicate all research resulting from the LIA activities, whether or not likely to be protected as intellectual property.

The Results, whether or not patentable, obtained in the scope of the present agreement, shall be jointly owned by the Parties (hereinafter referred to as the “Joint Owner(s)”) having contributed to these Results, in proportion to their respective contributions.

The Parties hold a non-transferable right to use the Results obtained in the scope of the present Agreement free of charge for their own research and non-commercial education needs, with the exception of any activity, even free of charge, which is of an industrial or commercial nature.

Notwithstanding the rights of its employees and all individuals hired in the scope of this project, the Parties shall take steps to ensure the free access to the Foreground Results and Inventions required to complete the joint research project as defined in Annex 1.

13-2. Appointment of a sole “Administrator”

For each result jointly owned by the French public institutions, possibly with others parties, a French public institution (hereinafter referred as to “Mandatory Institution”) is designated in accordance with the French law to be in charge of the protection and the exploitation of their part of ownership. The Mandatory Institution will represent the French public institution joint owners.

During a Steering Committee’s meeting, the Mandatory Institution and the other Joints Owners designate among them an administrator (hereinafter referred as to “Administrator”) to be in charge of the protection and the exploitation of the Results, taking into account their intellectual, material and financial contributions.

13-3. Patent protection of Joint Results

The Joint Owners shall jointly decide as to whether to patent a Joint Result and if so, in which countries or regions to file. Patent applications shall be filed in the name and for the joint benefit of the joint owners, and the name(s) of the inventor(s) must be mentioned.

One (or more) Joint Owner(s) shall have the right to file a patent in its (their) name and at its (their) expense, if one or more Joint Owners expressly waive their rights to do so. If, during the term of protection, one of the Joint Owners decides to withdraw its involvement from the patent, it shall provide written notice of its decision to the other Joint Owners. In such a case, the remaining Joint Owners shall have the right to and may collect the royalties generated by the patent in their name(s).

In the event a Joint Owner does not join in protecting a Joint Result or ceases its involvement in such protection, it shall waive all related rights (e.g. licensing rights, rights to collect licensing fees and damages for patent infringement), except the right to use the Joint Results, as defined in Article 13-1 herein. Consequently, the Joint Owners involved in such protection shall be the sole beneficiaries of the income generated from commercial exploitation of the patent in the corresponding country.

Each of the Joint Owners involved in the protection of a Joint Result shall be solely liable for ensuring compliance with duties relative to its employees’ rights over the invention.

The Administrator shall be expressly appointed and given proxy by the other Joint Owners for purposes of filing and administering the patent.

The Administrator shall be in charge of and verify the procedures relative to patent applications and be responsible for maintaining said patents. For these purposes, it may engage as necessary a patent attorney or industrial property advisor and establish rapid follow-up procedures. The Administrator shall keep the other Joint Owners, and the Mandatory Institution if need be, informed of the status of the applications and rights obtained.

The costs of the procedures related to a patent, including its application, maintenance and extension, shall be split by the Joint Owners involved in the patent, in proportion to their intellectual, material and financial contributions to the protected Joint Result. The costs and internal expenditures undertaken by a Party, including attorneys’ or other intellectual property consultant fees generated from advising a single Party, shall not be considered as patent procedure costs. All payments related to patent procedure costs shall be made in a timely manner by the Administrator who shall be

reimbursed respectively by the other Joint Owners, and the Mandatory Institution if need be, involved in the patent protection upon presentation of the relevant invoices.

13-4. Patent infringement actions

In the event that one of the Joint Owners learns of an alleged infringement of a patent owned jointly by the Parties, or of an application pending or a patent belonging to a third party and interfering with the patent held jointly the Parties, it shall immediately inform the other Joint Owners.

The Joint Owners involved in the protection of a Joint Result shall agree on the steps to be taken in the event of infringement. The Administrator, who shall be vested with all specific powers in relation thereto, shall take all necessary steps in order to take cognizance of and put a stop to the infringing action.

The legal fees and costs and damages shall be divided up in proportion to the respective contributions of the Joint Owners, in accordance with the provisions contained herein for the protection of the Joint Results.

If one of the Joint Owners waives its right to bring a lawsuit, the other Joint Owners may act on their own initiative. In such a case, the Joint Owners pursuing patent infringement actions shall bear all legal fees and costs, but shall collect all damages awarded as a result thereof.

13-5. Software and databases

Each of the Parties shall retain exclusive title to the software and databases that it has developed prior to this agreement and/or falling outside its scope.

The Parties having jointly contributed to software and database development shall jointly hold rights therein, as well as in the extensions jointly obtained by the Parties, no matter which Party was the initial holder of the rights in the base software from which such later extensions were derived. "Extension" is intended to mean a piece of software allowing access to new functions or performances compared to the base software from which it is derived.

The Parties having contributed to their development are co-owners of the rights in databases developed jointly, including both their structure and content.

To meet the research needs under this Agreement, the Parties shall enjoy non-transferable rights of use of the jointly-developed software and databases free of charge. For the databases, this right of use shall apply to both the structure and content, and includes the right of extraction.

Third-party access to such joint software and databases is subject to the prior agreement of the concerned Parties.

13-6. Exploitation of Joint Results

Subject to the consent of owners of Access Rights to Pre-existing Know-How needed for the execution of own work under this present Agreement, Access Rights shall be deemed granted on a royalty-free basis only upon written request specifying the scope and duration of the application.

The Parties having contributed to the Results shall execute a separate agreement setting forth the terms of use for any joint Results insofar as these derive from scientific activities coordinated by the LIA within the period of the Agreement, also the distribution of any revenues in consideration of the resources expended by the Parties in respect of the Results and in consideration also of legal obligations in respect of the participation of the inventors in these revenues (employee invention legislation).

Licenses to use and exploit a Joint Result shall be granted to third parties subject to the consent of all

Joint Owners.

In this case, the Administrator shall be granted the express power by the other Joint Owners, and the Mandatory Institution if need be, to act and undertake all activities intended to commercially exploit the Joint Results. Such activities include, but are not limited to, negotiating and entering into contacts with third parties expressing an interest in developing and/or exploiting the Joint Results on the other Joint Owners' behalf.

The Administrator shall regularly inform the Joint Owners, and the Mandatory Institution if need be, of the progress and conclusion of such negotiations. The draft licensing project shall be distributed to the Joint Owners who have fifteen (15) days to decide on licensing. Beyond that period, the notice shall be deemed favourable. This licensing project must be signed by all Joint Owners, the French public institutions joint owners represented by the Mandatory Institution if need be.

The Administrator shall transfer to each of the Joint Owners, the French public institutions joint owners represented by the Mandatory Institution if need be, a share of the royalties due as a result of the license granted over the Joint Result(s), after having deducted the Administrator's commercial development fees, capped at 10% of said royalties. The Mandatory Institution deals with the transfer of the share of the French public institutions' joint owners.

Said share is calculated in accordance with the intellectual, material and financial contributions made by each Joint Owner to obtaining and developing the Joint Result(s).

Notwithstanding the termination or cancellation of this Agreement or the withdrawal or exclusion of one of the Parties to the present Agreement, the provisions of Title IV shall remain in force.

TITLE V – MISCELLANEOUS PROVISIONS

Article 14: Evaluation

The activity of the LIA “International Laboratory for Collider Physics – ILCP” will be evaluated regularly by the bodies responsible within the respective Parties, according to the rules respectively in force in these organizations. The Parties may at any time agree to establish an ad hoc committee, in order to evaluate the LIA's research and to issue recommendations concerning its scientific orientation and its activity.

Article 15: Admission of new laboratories or new parties to the LIA

All admissions to the LIA of new laboratories of one of the Parties require the consent of all the Parties.

Article 16: Renewal

This Agreement may be renewed once by amendment. The decision to renew shall be taken by the Parties following consultation with the Steering Committee and the LIA Scientific Leaders.

Article 17: Modification

All modifications by amendment, including Renewal (Article 16), to the present Agreement require the unanimous written consent of all Parties.

Article 18: Termination

In the event of an unresolved dispute, the Parties may jointly consent to cancelling the Agreement before the expiration of its term, upon six (6) months' written notice. In such a case, the Parties shall undertake to complete pending joint activities. The provisions of Title IV of the present Agreement shall be in force as long as the Results are protected by an Intellectual property right.

The decision to cancel shall be taken by the Parties following consultation with the Steering Committee and the LIA Scientific Leaders.

Article 19: Administrative Domiciliation

For administrative purposes, the coordination of the LIA's activities shall be carried out from:

Laboratoire de Physique Subatomique et de Cosmologie – UMR 5821
53 avenue des Martyrs 38026
Grenoble Cedex
France

It may be modified by proposal of the Steering Committee, subject to the Parties' consent.

Article 20: Liability

Except as specifically agreed by the Parties in a separate instrument, each Party shall be solely liable toward the other Parties for direct physical or material damages caused by it or individuals acting on its behalf out of gross negligence or willful misconduct. No Party shall be liable to another Party for consequential or indirect damages or losses including, but not limited to, loss of profit, income or contracts, etc.

Article 21: Mutual disclosures

This Agreement shall not affect the Parties' involvement in other research agreements or contracts executed with third parties. The Parties may inform the other Parties within one (1) month after the creation of the LIA of all involvement in research agreements and third-party contracts, insofar as would appear necessary in the scope of the joint research project.

Article 22: Disputes

In the event of difficulties related to the interpretation or performance of this Agreement, the Parties shall endeavour to settle their dispute out of court in an amicable way.

If no settlement out of the Court is possible, the applicant shall ask for the settlement of the dispute before an arbitrary court, which shall rule in accordance with the rules of international law.

Unless the parties decide otherwise in writing, the arbitration regulation of international Chamber of Commerce under the aegis of one or more arbitrators appointed pursuant to these rules shall apply.

Article 23: Copies

This Agreement shall be drafted in eleven (11) copies. Each Party signs one copy and returns it to CNRS. CNRS collates and archives these copies. It will also send a certified copy of this signed Agreement to each of the Parties.

Date _____, Place _____
For CNRS

Date _____, Place _____
For CNRST

Alain FUCHS, President

Saïd BELCADI, Director

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It may be modified by proposal of the Steering Committee, subject to the Parties' consent.

Article 20: Liability

Except as specifically agreed by the Parties in a separate instrument, each Party shall be solely liable toward the other Parties for direct physical or material damages caused by it or individuals acting on its behalf out of gross negligence or willful misconduct. No Party shall be liable to another Party for consequential or indirect damages or losses including, but not limited to, loss of profit, income or contracts, etc.

Article 21: Mutual disclosures

This Agreement shall not affect the Parties' involvement in other research agreements or contracts executed with third parties. The Parties may inform the other Parties within one (1) month after the creation of the LIA of all involvement in research agreements and third-party contracts, insofar as would appear necessary in the scope of the joint research project.

Article 22: Disputes

In the event of difficulties related to the interpretation or performance of this Agreement, the Parties shall endeavour to settle their dispute out of court in an amicable way.

If no settlement out of the Court is possible, the applicant shall ask for the settlement of the dispute before an arbitrary court, which shall rule in accordance with the rules of international law.

Unless the parties decide otherwise in writing, the arbitration regulation of international Chamber of Commerce under the aegis of one or more arbitrators appointed pursuant to these rules shall apply.

Article 23: Copies

This Agreement shall be drafted in eleven (11) copies. Each Party signs one copy and returns it to CNRS. CNRS collates and archives these copies. It will also send a certified copy of this signed Agreement to each of the Parties.

Date _____, Place _____
For CNRS



Handwritten signature of Alain Fuchs

Alain FUCHS, President

Date _____, Place _____
For CNRST

Saïd BELCADI, Director

The decision to cancel shall be taken by the Parties following consultation with the Steering Committee and the LIA Scientific Leaders.

Article 19: Administrative Domiciliation

For administrative purposes, the coordination of the LIA's activities shall be carried out from:

Laboratoire de Physique Subatomique et de Cosmologie – UMR 5821
53 avenue des Martyrs 38026
Grenoble Cedex
France

It may be modified by proposal of the Steering Committee, subject to the Parties' consent.

Article 20: Liability

Except as specifically agreed by the Parties in a separate instrument, each Party shall be solely liable toward the other Parties for direct physical or material damages caused by it or individuals acting on its behalf out of gross negligence or willful misconduct. No Party shall be liable to another Party for consequential or indirect damages or losses including, but not limited to, loss of profit, income or contracts, etc.

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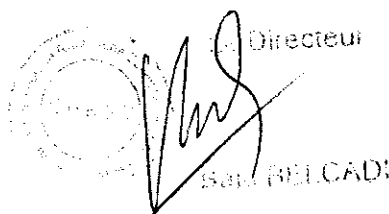
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Date _____, Place _____
For CNRS

Date _____, Place _____
For CNRST



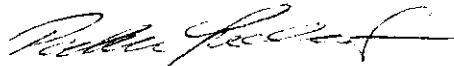
Directeur
Saïd BELCADI

Alain FUCHS, President

Saïd BELCADI, Director

Date *2010-04-01*, Place *Svektöle*
For Kungl Tekniska Högskolan

Date _____, Place _____
For Uppsala Universitet



Peter GUDMUNDSON, President

Göran POSSNERT, Head of Department for Physics
and Astronomy

Date _____, Place _____
For Université Joseph Fourier

Date _____, Place _____
For Université de la Méditerranée

Farid OUABDESSELAM, President

Yvon BERLAND, President

Date _____, Place _____
For Université Blaise Pascal

Date _____, Place _____
For Université de Savoie

Nadine LAVIGNOTTE, President

Gilbert ANGENIEUX, President

Date _____, Place _____
For Université Montpellier 2

Date _____, Place _____
For Université Pierre et Marie Curie

Danièle HÉRIN, President

Jean-Charles POMEROL, President

Date _____, Place _____
For Université Paris 7

Vincent BERGER, President

Date _____, Place _____
For Kungl Tekniska Högskolan

Peter GUDMUNDSON, President

Date _____, Place _____
For Université Joseph Fourier

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Date _____, Place _____
For Université Montpellier 2

Danièle HÉRIN, President

Date _____, Place _____
For Université Paris 7

Vincent BERGER, President

Date _____, Place _____
For Uppsala Universitet

Göran Possnert

Göran POSSNERT, Head of Department for Physics
and Astronomy

Date 2010-09-02, Place Uppsala
For Université de la Méditerranée

Yvon BERLAND, President

Date _____, Place _____
For Université de Savoie

Gilbert ANGENIEUX, President

Date _____, Place _____
For Université Pierre et Marie Curie

Jean-Charles POMEROL, President

Date _____, Place _____
For Kungl Tekniska Högskolan

Date _____, Place _____
For Uppsala Universitet

Peter GUDMUNDSON, President

Göran POSSNERT, Head of Department for Physics
and Astronomy

Date *07/06/10*, Place *Grenoble*
For Université Joseph Fourier

Date _____, Place _____
For Université de la Méditerranée

Le Président de l'Université
Joseph Fourier - GRENOBLE 1

[Signature]
Farid OUABDESSELAM

Farid OUABDESSELAM, President

Yvon BERLAND, President

Date _____, Place _____
For Université Blaise Pascal

Date _____, Place _____
For Université de Savoie

Nadine LAVIGNOTTE, President

Gilbert ANGENIEUX, President

Date _____, Place _____
For Université Montpellier 2

Date _____, Place _____
For Université Pierre et Marie Curie

Danièle HÉRIN, President

Jean-Charles POMEROL, President

Date _____, Place _____
For Université Paris 7

Vincent BERGER, President

Date _____, Place _____
For Kungl Tekniska Högskolan

Date _____, Place _____
For Uppsala Universitet

Peter GUDMUNDSON, President

Göran POSSNERT, Head of Department for Physics
and Astronomy

Date _____, Place _____
For Université Joseph Fourier

Date 30/08/20, Place Marseille
For Université de la Méditerranée

Farid OUABDESSELAM, President

Yvon BERLAND, President

Date _____, Place _____
For Université Blaise Pascal

Date _____, Place _____
For Université de Savoie



Nadine LAVIGNOTTE, President

Gilbert ANGENIEUX, President

Date _____, Place _____
For Université Montpellier 2

Date _____, Place _____
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Nadine LAVIGNOTTE, President

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For Université Montpellier 2

Date _____, Place _____
For Université Pierre et Marie Curie

Danièle HÉRIN, President

Jean-Charles POMEROL, President

Date _____, Place _____
For Université Paris 7

Vincent BERGER, President

Date , Place
For Kungl Tekniska Högskolan

Date , Place
For Uppsala Universitet

Peter GUDMUNDSON, President

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and Astronomy

Date , Place
For Université Joseph Fourier

Date , Place
For Université de la Méditerranée

Farid OUABDESSELAM, President

Yvon BERLAND, President

Date , Place
For Université Blaise Pascal

Date 13/10/2012, Place Chambéry
For Université de Savoie

Pour le Président et par délégation,
le Vice-Président du Conseil Scientifique


Luc FRAPPAT

Nadine LAVIGNOTTE, President

Gilbert ANGENIEUX, President

Date , Place
For Université Montpellier 2

Date , Place
For Université Pierre et Marie Curie

Danièle HÉRIN, President

Jean-Charles POMEROL, President

Date , Place
For Université Paris 7

Vincent BERGER, President

Date _____, Place _____
For Kungl Tekniska Högskolan

Date _____, Place _____
For Uppsala Universitet

Peter GUDMUNDSON, President

Göran POSSNERT, Head of Department for Physics
and Astronomy

Date _____, Place _____
For Université Joseph Fourier

Date _____, Place _____
For Université de la Méditerranée

Farid OUABDESSELAM, President

Yvon BERLAND, President

Date _____, Place _____
For Université Blaise Pascal

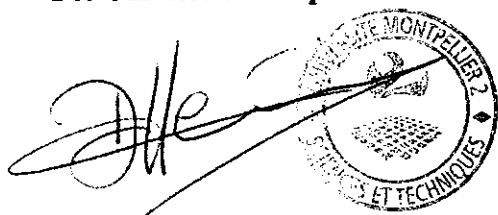
Date _____, Place _____
For Université de Savoie

Nadine LAVIGNOTTE, President

Gilbert ANGENIEUX, President

Date 2/09/2010, Place _____
For Université Montpellier 2

Date _____, Place _____
For Université Pierre et Marie Curie



Danièle HÉRIN, President

Jean-Charles POMEROL, President

Date _____, Place _____
For Université Paris 7

Vincent BERGER, President

Date , Place
For Kungl Tekniska Högskolan

Date , Place
For Uppsala Universitet

Peter GUDMUNDSON, President

Göran POSSNERT, Head of Department for Physics
and Astronomy

Date , Place
For Université Joseph Fourier

Date , Place
For Université de la Méditerranée

Farid OUABDESSELAM, President

Yvon BERLAND, President

Date , Place
For Université Blaise Pascal

Date , Place
For Université de Savoie

Nadine LAVIGNOTTE, President

Gilbert ANGENIEUX, President

Date , Place
For Université Montpellier 2

10 SEP. 2010
Date , Place
For Université Pierre et Marie Curie

Danièle HÉRIN, President

Date , Place
For Université Paris 7

Jean-Charles POMEROL, President

Vincent BERGER, President

Date _____, Place _____
For Kungl Tekniska Högskolan

Date _____, Place _____
For Uppsala Universitet

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Date _____, Place _____
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Date _____, Place _____
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Date _____, Place _____
For Université de Savoie

Nadine LAVIGNOTTE, President

Gilbert ANGENIEUX, President

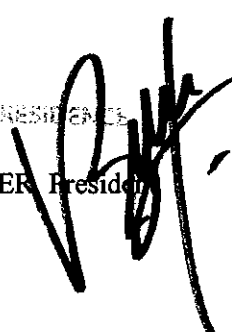
Date _____, Place _____
For Université Montpellier 2

Date _____, Place _____
For Université Pierre et Marie Curie

Danièle HÉRIN, President

Jean-Charles POMEROL, President

Date _____, Place _____
For Université Paris 7

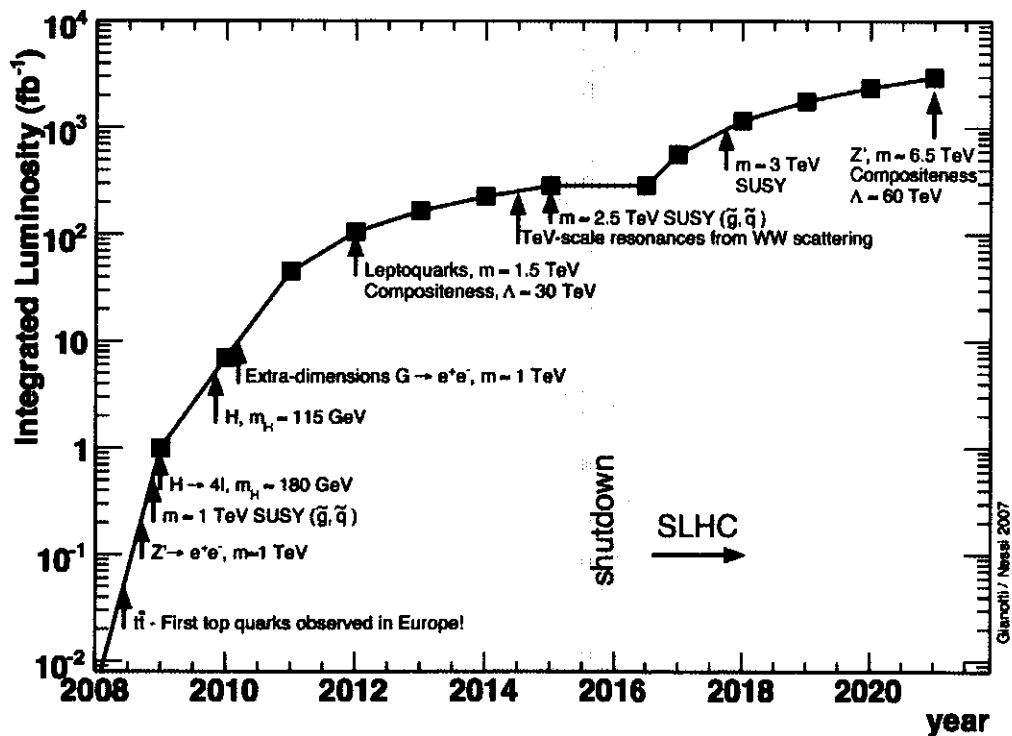
Vincent BERGER, President

univ. parisi
PARIS POMEROL
PRESIDENCE

ANNEX 1

ILCP SCIENTIFIC PROGRAM

Neutrino physics being put apart, high-energy particle colliders have been – for more than 30 years – the essential scene where the search for the truly-fundamental constituents of matter and the modeling of their mutual interactions took place. Indeed, most of the ingredients of the theory which is now known as the Standard Model of particle physics were either confirmed or discovered at a particle collider: W, Z, c, b, t, gluon ... Together with ever-improving, highly-developed theoretical calculations, the LHC – that recently produced its first collisions – will undoubtedly confirm this predominance.

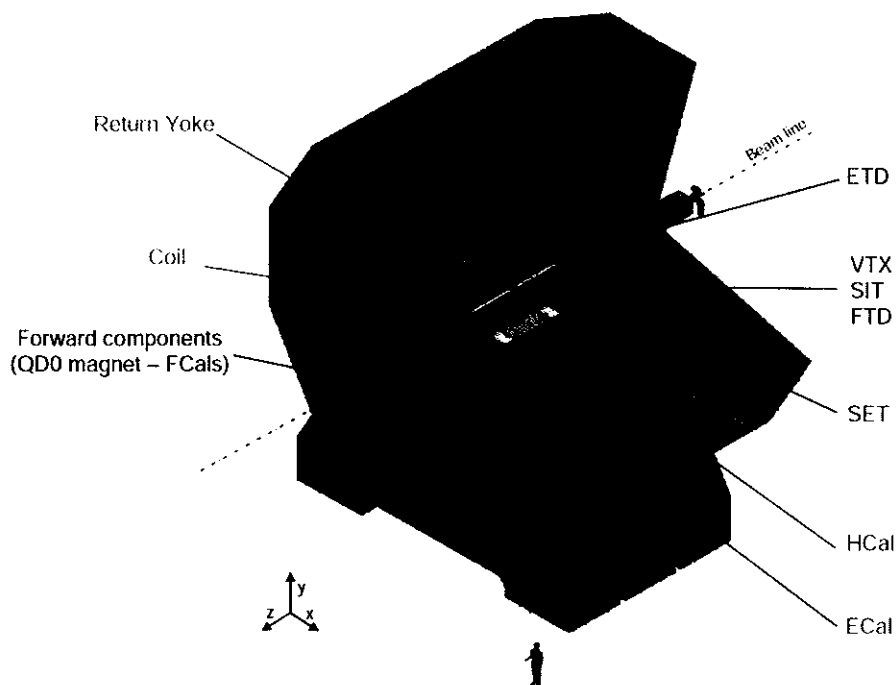
The LHC is equipped with four giant detectors: two general-purpose detectors ATLAS and CMS, and two other more focused instruments LHCb and ALICE which will explore the physical properties of B mesons and heavy ion collisions, respectively. In the middle of the 1990's, several Swedish, Moroccan and French laboratories joined their effort to participate in the construction – over the last decade – of one of the ATLAS subdetectors, namely the electromagnetic liquid argon calorimeter and in particular its presampler. This endeavor was formally recognized and supported by several coherent actions of the national and local academic institutions, CNRS and the Ministry for Research and Higher Education in France, CNRST in Morocco and KTH in Sweden. An international Scientific Collaboration Program (PICS) between these partners was established in 1997. In 2001, an Integrated Action (AI) took over which subsequently led in 2003 to the very first International Research Group (GDRI) signed by CNRS. All in all, more than 70 people of 10 laboratories now work in this collaboration frame. A dozen of Ph.D. theses and more than 20 common publications have been produced. In view of this accomplishment and to further promote this highly visible program now that the LHC science exploitation phase has started, the decision was taken to create an International Associate Laboratory (LIA), the International Laboratory for Collider Physics (ILCP).



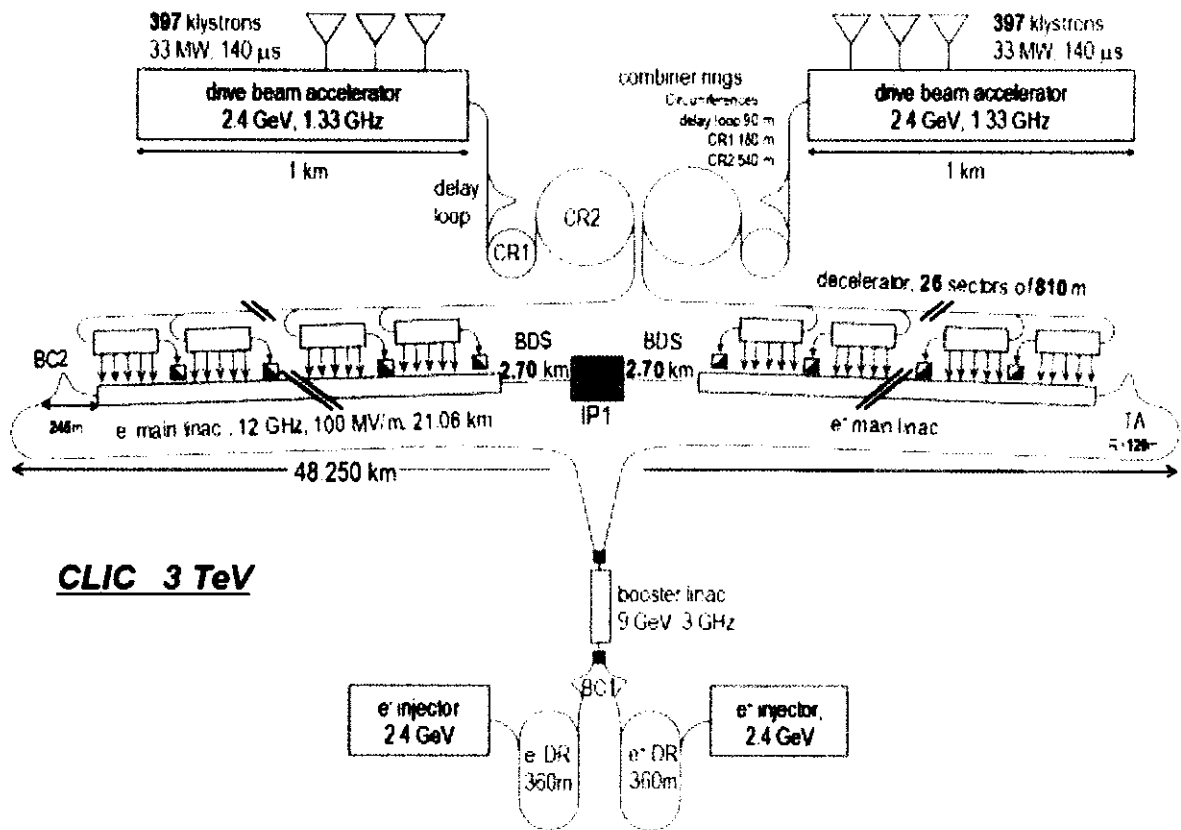
The first main scientific objective of ILCP will be to help the European and Moroccan communities that participated in the construction of LHC and its giant detectors to explore its rich scientific potential while maintaining the existing high-level of scientific education and knowledge in Morocco. This action will be crucial for the training of the new generation of physicists who will participate in the LHC data analysis and who will later take their lead in new Collider projects. As this is shown in the figure below, the LHC exploitation program will last more than 10 years. Today, ILCP members – and in particular Ph.D. students – already work on most of the golden physics topics that pave the way of the LHC exploitation program, like top physics, B physics, search for a new neutral heavy boson, Higgs physics and Supersymmetry.

If the LHC discovers the Standard Model Higgs boson in the next 4 to 5 years, it will at the same time complete the postulated elementary particle list and confirm the underlying interaction mechanisms of the Standard Model, including the mass generation of elementary particles. Although there still will be a lot of room for higher precision measurements, new physics phenomena will have to be observed to help theorists devise a Grand Unification theory, the next big issue in the quest towards a wider and finer understanding of our Quantum Universe. By definition, this is where the predictive power of the Standard Model may stop. A new era of Particle Physics could emerge, where new fundamental particles could be either directly detected or indirectly inferred from observed deviations with respect to Standard Model expectations. Of course, this new era may start even earlier than expected and why not during the initial phase of LHC, but most of the particle physicists believe that it will require new investigation means at higher energy and stronger luminosity using different initial states, in other words upgraded and/or new particle colliders.

The International Linear Collider (ILC), the Compact Linear Collider (CLIC) (see the picture below) and in some aspects the Super LHC (SLHC) are today the most elaborated projects that are expected to take over LHC in 10 to 20 years from now. ILCP members are already active in all these international programs: in the International Large Detector (ILD) collaboration for instance that aims at designing and constructing a detector for ILC, like it is shown in the picture below. Or in the design, the construction and the operation of the CLIC Test Facility (CTF3) at CERN. And finally but not least, in the R&D studies needed to upgrade the LHC (SLHC), its detectors and in particular their trackers where four ILCP member laboratories are already at work today. A table showing the present activities of ILCP members is appended to this document. They will be subject to evolution as LHC makes progress in its collision program, and if discoveries are made that could change our views of the future.



In summary, ILCP will greatly contribute to keep the intellectual exchange bridge between Europe and Morocco, over the Mediterranean Sea, open in order to share our common scientific knowledge. It will create the required conditions to help young physicists to participate in the scientific exploitation phase of LHC, including theoretical studies. It will also foster the participation of Moroccan laboratories to the elaboration, the design and – we all hope – the construction of new colliders in the future.



General layout of the Compact Linear Collider

Laboratory	LHC	SLHC	ILC	CLIC
LPSC	ATLAS : -Top physics -Lar calorimetry -Pixel detector IBL	ATLAS : -Pixel detector -Lar calorimetry	ILD : -Si-W calorimetry -Higgs physics	
LAPP	ATLAS : -Standard Model physics -Lar calorimetry -Pixel detector IBL	ATLAS : -Pixel detector -Lar calorimetry	ILD : -Hadron calorimetry	-CLIC Test Facility 3
LPNHE	ATLAS : -Top physics -Lar Calorimetry -Pixel detector IBL	ATLAS : -Pixel detector -Lar calorimetry		
LPC	ATLAS : -Top physics -Tile calorimetry	ATLAS : -Tile calorimeter		
LPTA	-Supersymmetry phenomenology for LHC	-Supersymmetry phenomenology for SLHC	-Supersymmetry phenomenology for ILC	-Supersymmetry phenomenology for CLIC
CPPM	ATLAS : -Top physics -Lar calorimetry -Pixel detector	ATLAS : -Pixel detector		
University of Oujda	ATLAS : -Top physics -Lar calorimetry -Supersymmetry search			
University of Casablanca	ATLAS : -Top physics -B physics -Z' -Lar calorimetry	ATLAS : -Z	ILD : -Si-W calorimetry	
University of Marrakech	ATLAS : -Lar calorimetry -Trigger -Standard Model physics			
University of Rabat	ATLAS: -Lar calorimetry -Top physics			
University of Tanger	-Supersymmetry phenomenology for LHC	-Supersymmetry phenomenology for SLHC	-Supersymmetry phenomenology for ILC	-Supersymmetry phenomenology for CLIC
CNESTEN Centre National de l'Energie, des sciences et des Techniques Nucléaires	ATLAS : -Lar calorimetry		ILD : -Si-W calorimetry	
University of Uppsala	ATLAS : -SCT tracker -Tau trigger -Tau reconstruction -H ⁺ physics -Top physics -Minimum bias events	ATLAS : -Track trigger		-CLIC Test Facility 3 -CLIC physics simulations -CLIC post-collision line
KTH	ATLAS : -Lar calorimetry -Supersymmetry search			

Table 1: Present activities of the laboratories involved in LIA "ILCP"

ANNEX 2

LIA PROJECTED BUDGET FOR 2010

Country	Resources	Amount (in €)	Staff (FTE*)
FRANCE			
A) CNRS			
	Supplementary resources from CNRS. Direction of International relations (DRI)	30000	
	Laboratory budget (LPSC)	1500	2.1
	Laboratory budget (CPPM)	1500	2.3
	Laboratory budget (LAPP)	1500	4.0
	Laboratory budget (LPC)	1500	0.6
	Laboratory budget (LPTA)	1000	0.2
	Laboratory budget (LPNHE)	1000	0.2
	Sub-total for CNRS	38000	9.4
B) Université Joseph Fourier			
	Laboratory budget (LPSC)	0	1.8
	Supplementary resources from UJF	2000	
	Sub-total for UJF	2000	1.8
C) Université de la Méditerranée			
	Laboratory budget (CPPM)	1000	0.5
	Supplementary resources from Université de la Méditerranée	1000	
	Sub-total for Université de la Méditerranée	2000	0.5
D) Université Blaise Pascal			
	Laboratory budget (LPC)	1000	0.5
	Supplementary resources from UBP	1000	
	Sub-total for UBP	2000	0.5
E) Université de Savoie			
	Laboratory budget (LAPP)	1000	0.4
	Supplementary resources from Université de Savoie	1000	
	Sub-total for Université de Savoie	2000	0.4
E) Université Pierre & Marie Curie			
	Laboratory budget (LPNHE)	500	0.2
	Supplementary resources from UPMC	500	
	Sub-total for UPMC	1000	0.2
E) Université Denis Diderot			
	Laboratory budget (LPNHE)	500	0.5
	Supplementary resources from UDD	500	
	Sub-total for UDD	1000	0.5
E) Université Montpellier 2			
	Laboratory budget (LPTA)	500	0.4
	Supplementary resources from UM2	500	
	Sub-total for Université Montpellier 2	1000	0.4
	TOTAL FOR FRANCE	49000	13.7
SWEDEN			
A) Kungl Tekniska Högskolan			
	Laboratory budget	1500	
	Supplementary resources from KTH	1000	

Country	Resources	Amount (in €)	Staff (FTE*)
	Sub-total for KTH	2500	0.9
B) Uppsala Universitet	Laboratory budget	3000	7.7
	Supplementary resources from Uppsala Universitet	1000	
	Sub-total for Uppsala Universitet	4000	7.7
	TOTAL FOR SWEDEN	6500	8.6
MOROCCO University Network of Particle Physics –RUPHE	Network budget	5000	17.4
	Supplementary resources from CNRST	20000	
	TOTAL FOR MOROCCO	25000	18.5
	TOTAL	30500	40.3

17) Full Time Equivalent

Country	Expenditures	Amount (in €)	Soft (FTE)
France			
A) CNRS			
	1, Permanent staff		9.4
	2, Non-permanent staff		
	3, Research trips & per diem	38000	
	4, Consumables		
	5, Equipment		
	6, Services		
	7, Other costs		
	Total for CNRS	38000	9.4
B) Université Joseph Fourier			
	1, Permanent staff		0.8
	2, Non-permanent staff		1.0
	3, Research trips & per diem	2000	
	4, Consumables		
	5, Equipment		
	6, Services		
	7, Other costs		
	Total for Université Joseph Fourier	2000	1.8
C) Université de la Méditerranée			
	1, Permanent staff		0.5
	2, Non-permanent staff		
	3, Research trips & per diem	2000	
	4, Consumables		
	5, Equipment		
	6, Services		
	7, Other costs		
	Total for Université de la Méditerranée	2000	0.5
D) Université Blaise Pascal			
	1, Permanent staff		0.5
	2, Non-permanent staff		
	3, Research trips & per diem	2000	
	4, Consumables		
	5, Equipment		
	6, Services		
	7, Other costs		
	Total for Université Blaise Pascal	2000	0.5
E) Université de Savoie			
	1, Permanent staff		0.4
	2, Non-permanent staff		
	3, Research trips & per diem	2000	
	4, Consumables		
	5, Equipment		

	6, Services		
	7, Other costs		
	Total for Université de Savoie	2000	0.4
F) Université Pierre & Marie Curie	1, Permanent staff		0.2
	2, Non-permanent staff		
	3, Research trips & per diem	1000	
	4, Consummables		
	5, Equipment		
	6, Services		
	7, Other costs		
	Total for UPMC	1000	0.2
G) Université Denis Diderot	1, Permanent staff		0.5
	2, Non-permanent staff		
	3, Research trips & per diem	1000	
	4, Consummables		
	5, Equipment		
	6, Services		
	7, Other costs		
	Total for UDD	1000	0.5
H) Université de Montpellier 2	1, Permanent staff		0.2
	2, Non-permanent staff		0.2
	3, Research trips & per diem	1000	
	4, Consummables		
	5, Equipment		
	6, Services		
	7, Other costs		
	Total for UM2	1000	0.4
	TOTAL FOR FRANCE	49000	13.7
SWEDEN			
A) Kungl Tekniska Högskolan			
	1, Permanent staff		0.4
	2, Non-permanent staff		0.5
	3, Research trips & per diem	2500	
	4, Consummables		
	5, Equipment		
	6, Services		
	7, Other costs		
	Total for KTH	2500	0.9
B) Uppsala Universitet			

	1, Permanent staff		3.4
	2, Non-permanent staff		4.3
	3, Research trips & per diem	4000	
	4, Consumables		
	5, Equipment		
	6, Services		
	7, Other costs		
	Total for Uppsala Universitet	4000	7.7
	TOTAL FOR SWEDEN	6500	8.6
MOROCCO			
RUPHE/CNRST			
	1, Permanent staff		8.4
	2, Non-permanent staff		9.0
	3, Research trips & per diem	25000	
	4, Consumables		
	5, Equipment		
	6, Services		
	7, Other costs		
	TOTAL FOR MOROCCO	25000	18.5
	TOTAL	80500	40.8

* Full Time Equivalent

ANNEX 3

MEMBERS OF THE LIA AS OF 1 JANUARY 2010

17) Members in French laboratories/institutes

Name	Surname	Laboratory	Organization	Status	Time spent on the LIA project (%)
BEE	Christopher	CPPM	IN2P3/CNRS	IR	15
CLEMENS	Jean-Claude	CPPM	IN2P3/CNRS	IR	15
COADOU	Yann	CPPM	IN2P3/CNRS	CR	15
DJAMA	Farès	CPPM	IN2P3/CNRS	IR	20
FELIGIONI	Lorenzo	CPPM	IN2P3/CNRS	CR	15
HOFFMANN	Dirk	CPPM	IN2P3/CNRS	IR	15
HUBAUT	Fabrice	CPPM	IN2P3/CNRS	CR	15
LE GUIRIEC	Emmanuel	CPPM	IN2P3/CNRS	IR	15
LEVEQUE	Jessica	CPPM	IN2P3/CNRS	CR	15
MENOUNI	Mohsine	CPPM	IN2P3/CNRS	IR	15
MONNIER	Emmanuel	CPPM	IN2P3/CNRS	DR	15
MUANZA	Steve	CPPM	IN2P3/CNRS	CR	15
PRALAVORIO	Pascal	CPPM	IN2P3/CNRS	CR	15
ROZANOV	Alexander	CPPM	IN2P3/CNRS	DR	15
TALBY	Mossadek	CPPM	Univ. Médi.	PR	20
TISSERANT	Sylvain	CPPM	Univ. Médi.	PR	15
TOUCHARD	François	CPPM	Univ. Médi.	PR	15
VACAVANT	Laurent	CPPM	IN2P3/CNRS	CR	15
ADLOFF	Catherine	LAPP	UdS	MCF	10
GOY	Corinne	LAPP	IN2P3/CNRS	DR	10
BERGER	Nicolas	LAPP	IN2P3/CNRS	CR	30
BERGER-HRYN'OVA	Tetiana	LAPP	IN2P3/CNRS	CR	25
DI CIACCIO	Lucia	LAPP	UdS	PR.	30
ELLES	Sabine	LAPP	IN2P3/CNRS	IR	30
DELEBECQUE	Pierre	LAPP	IN2P3/CNRS	IR	20
JEZEQUEL	Stéphane	LAPP	IN2P3/CNRS	DR	30
KARYOTAKIS	Yannis	LAPP	IN2P3/CNRS	DR	10
LAFAYE	Rémi	LAPP	IN2P3/CNRS	CR	50
LAPLACE	Sandrine	LAPP	IN2P3/CNRS	CR	20
MASSOL	Nicolas	LAPP	IN2P3/CNRS	IR	25
PERROT	Guy	LAPP	IN2P3/CNRS	IR	25
PRZYSIEZNIAK	Helenka	LAPP	IN2P3/CNRS	CR	30
SAUVAGE	Gilles	LAPP	IN2P3/CNRS	Emérite	50
TODOROV	Théodore	LAPP	IN2P3/CNRS	CR	25
WINGERTER-SEEZ	Isabelle	LAPP	IN2P3/CNRS	DR	20
BUSATO	Emmanuel	LPC Clermont	UBP	MCF	20
CALVET	David	LPC Clermont	IN2P3/CNRS	CR	15
GHODBANE	Nabil	LPC Clermont	IN2P3/CNRS	CDD-CNRS	15
GUICHENEY	Christophe	LPC Clermont	UBP	MCF	15
PALLIN	Dominique	LPC Clermont	IN2P3/CNRS	DR	15
PODLYSKI	Fabrice	LPC Clermont	UBP	MCF	15
SANTONI	Claudio	LPC Clermont	IN2P3/CNRS	DR	15
COLLOT	Johann	LPSC	UJF	PR	70
DZAHINI	Daniel	LPSC	IN2P3/CNRS	IR	80
GRONDIN	Denis	LPSC	IN2P3/CNRS	IR	30

HOSTACHY	Jean-Yves	LPSC	IN2P3/CNRS	DR	50
LLERES	Annick	LPSC	IN2P3/CNRS	CR	10
LUCOTTE	Arnaud	LPSC	IN2P3/CNRS	CR	30
RARBI	Fatah-Ellah	LPSC	UJF	Ph.D. student	100
ROSSETTO	Olivier	LPSC	UJF	MCF	10
VESCOVI	Christophe	LPSC	IN2P3/CNRS	IR	10
BENHENNI	Amine	LPTA	UM2	Ph.D. student	10
CAPDEQUI-PERANEYRE	Michel	LPTA	UM2	MCF	10
ESPITALIER-NOËL	Grégory	LPTA	UM2	Ph.D. student	10
HUGONIE	Cyril	LPTA	UM2	MCF	10
KNEUR	Jean-Loïc	LPTA	CNRS	DR	10
MOULTAKA	Gilbert	LPTA	CNRS	CR	10
LACOUR	Didier	LPNHE	IN2P3/CNRS	CR	20
RIDEL	Mélissa	LPNHE	UDD	MCF	20
SCHWEMLING	Philippe	LPNHE	UDD	PR	30
TRINCAZ	Sophie	LPNHE	UPMC	MCF	20

B- Members in Swedish laboratories/institutes

Name	Surname	Laboratory	Organization	Status	Time spent on the LIA project (%)
GRAHN	Karl-Johan		KTH	Ph.D. student	20
JOVICEVIC	Jelena		KTH	Ph.D. student	30
LUND-JENSEN	Bengt		KTH	PR	30
RYDSTRÖM	Stefan		KTH	IR	10
BELANGER-CHAMPAGNE	Camille		Univ. Uppsala	Ph.D. student	30
BRENNER	Richard		Univ. Uppsala	Lecturer	100
BUSZELLO	Claus		Univ. Uppsala	Post-Doc	50
EKELOF	Tord		Univ. Uppsala	PR	60
FERRARI	Arnaud		Univ. Uppsala	Researcher	100
ISAKSSON	Charlie		Univ. Uppsala	Ph.D. student	100
ÖLVEGARD	Maja		Univ. Uppsala	Ph.D. student	100
PALAIÀ	Andrea		Univ. Uppsala	Post-Doc	100
RUBER	Roger		Univ. Uppsala	Researcher	100
ZIEMANN	Volker		Univ. Uppsala	Researcher	30

C- RUPHE members (Morocco)

Name	Surname	Laboratory	Organization	Status	Time spent on the LIA project (%)
BENCHEKROUN	Driss	RUPHE	Univ. Hassan II	PR	100
CHAFAQ	Aziz	RUPHE	Univ. Hassan II	Ph.D. student	100
DOULFOUKAR	Zakaria	RUPHE	Univ. Hassan II	PR	10
EL HASSANE	Sayouty	RUPHE	Univ. Hassan II	PR	10
GOUGHRI	Mohammed	RUPHE	Univ. Hassan II	Ph.D. Student	100
HOUMMADA	Abdeslan	RUPHE	Univ. Hassan II	PR	100
JAMMARI	Mohamed Kamal	RUPHE	Univ. Hassan II	PR	100
KHOULAKI	Youssef	RUPHE	Univ. Hassan II	Ph.D student	100
LABLAK	Saïd	RUPHE	Univ. Hassan II	Ph.D. student	100
TOUHAMI	Abdelkader	RUPHE	Univ. Hassan II	PR	10
CHERKAOUTI el MOURSLI	Rajaâ	RUPHE	Univ. Mohammed V	PR	30
EL MOURIDI	Zineb	RUPHE	Univ. Mohammed V	Ph.D. student	100
JEDRA	Mohamed	RUPHE	Univ. Mohammed V	PR	30
ZAHID	Noureddine	RUPHE	Univ. Mohammed V	PR	30
BELHORMA	Bouchra	RUPHE	CNESTEN	Chercheure	20
BELMIR	Mourad	RUPHE	CNESTEN	Ph.D. student	100
GHAZLANE	Hamid	RUPHE	CNESTEN	IR& Ph.D	30
ADAHCHOUR	Abderrahim	RUPHE	Univ. Cadi Ayyad	PR	10
CHABAB	Mohamed	RUPHE	Univ. Cadi Ayyad	PR	25
EL KACIMI	Mohamed	RUPHE	Univ. Cadi Ayyad	PRH	50
GOUJDAMI	Driss	RUPHE	Univ. Cadi Ayyad	PRH	50
JABIRI	Abdelhadi	RUPHE	Univ. Cadi Ayyad	PR	10
LAZREQ	Mohamed	RUPHE	Univ. Cadi Ayyad	PR	10
OULNE	Mostapha	RUPHE	Univ. Cadi Ayyad	PR	20
BENKHALDOUN	Zouhair	RUPHE	Univ. Cadi Ayyad	PR	20
BOUTOUIL	Sarah	RUPHE	Univ. Mohammed I	Ph.D. student	100
DEKHISSI	Hassan	RUPHE	Univ. Mohammed I	PR	25
DERKAOUI	Jamal Eddine	RUPHE	Univ. Mohammed I	PR	25
EL AMRI	Mohamed	RUPHE	Univ. Mohammed I	Ph.D. student	100
HAKKA	Hanane	RUPHE	Univ. Mohammed I	Ph.D. student	100
MAAROUI	Fatiha	RUPHE	Univ. Mohammed I	PR	45
OUCHRIF	Mohamed	RUPHE	Univ. Mohammed I	PRA	45
RRHIOUA	Abdeslam	RUPHE	Univ. Mohammed I	PRA	45
TAYALATI	Yahya	RUPHE	Univ. Mohammed I in collaboration with Univ. Mohammed V	PRA	30
RAMADAN	Jamal	RUPHE	Univ. Abdelmalek Essaadi	Ph.D. student	50
ARHRIB	Abdeslam	RUPHE	Univ. Abdelmalek Essaadi	PR	20