



POETIC VI

September 7th-11th 2015
Palaiseau, France

6th International Conference on Physics Opportunities at an Electron-Ion Collider

SECOND ANNOUNCEMENT

Sixth International Conference on Physics Opportunities at an Electron-Ion Collider (POETIC VI)

September 7-11, 2015

Ecole Polytechnique
Palaiseau, France
<http://poetic6.sciencesconf.org>

We are pleased to announce that POETIC VI, the International Conference on the "Physics Opportunities at an Electron-Ion Collider" will take place at Ecole Polytechnique in Palaiseau, France from Monday, September 7th to Friday, September 11th 2015, a few weeks before the National Science Advisory Committee recommends a new Long Range Plan to the United States' DOE and NSF.

In the midst of this much-anticipated report, and following earlier workshops at Stellenbosch, Bloomington, Valparaiso, Jyvaskyla and Yale, it is timely for the POETIC series to become an international conference. The primary goal will remain to continue the advancement of the field of electron-ion collider physics.

While the central theme of the conference will be the physics of a future electron-ion collider, it will also cover strongly related physics in the CEBAF, RHIC, and LHC experimental programs. The conference will aim primarily at developments on the theory/phenomenology side, but the latest accelerator and experimental developments of interest will also be reviewed. It will foster exchanges between theory, phenomenology and experiment.

The conference will cover topical issues at the frontier of hadron structure and explore outstanding open questions. Topics discussed will include:

- QCD at high parton densities and small- x evolution: BFKL, Color Glass Condensate.
- Quark and gluon content of nucleons and nuclei: (nuclear) parton distribution functions, hadron and jet fragmentation.
- Spin and 3D structure: helicity distributions, transverse momentum dependent (TMDs) and generalized parton distributions (GPDs).
- The properties of colored probes in cold nuclear matter: modifications of quarkonia production, jet formation and evolution, hadronization.
- Complementarity and connections of EIC physics with p+p, p+A and A+A collisions: high-pt processes, diffraction, multi-parton interactions, quark-gluon plasma, colored probes in hot nuclear matter.

- Physics beyond the Standard Model and connections to other areas in physics.
- Future DIS facilities: accelerator and detector developments.

The conference will be held within the Ecole Polytechnique, close to Paris and with convenient public transportation to its center. In addition to the plenary sessions, parallel sessions will also be organized if deemed necessary. Also, we are considering the publication of e-proceedings. Young physicists, post-docs and students, are especially encouraged to attend; some financial support will be available for them upon request.

Registration and Conference Fees

Registration is done following the corresponding link on the conference website. The regular workshop fee is 150€.

The workshop fee covers the participation at the workshop, the welcome reception, the coffee breaks, the lunches. Any participant willing to attend the workshop dinner will have to pay an additional 50€.

You will receive the payment details after the pre-registration process has been completed and validated (it will likely take a few days). You will then receive an email from azur-colloque.fr asking you to fill a form with all of your payment related information.

Your registration will be completed after the payment has been received.

Abstracts

The abstract submission system is now online; it can be accessed through the conference website or directly at the following indico website <http://indico.cern.ch/e/poetic6>.

The deadline for abstract submission has been set to June 15th.

Accommodations

Be aware that you have to take care of arranging accommodation yourself; it is not part of the registration procedure.

A list of accommodation options can be found under the corresponding link on the conference website.

Visa information

Workshop participants are requested to familiarize themselves with visa requirements well in advance of the workshop. Letters of invitation for visa purposes will be available upon request at poetic6-secretariat@sciencesconf.org.

Financial Support

We will be offering a limited number of financial supports, distributed in priority to PhD students and young postdocs. In order to apply, please send us an email as early as possible at poetic6@sciencesconf.org.

Important dates

Registration opening: February 16th, 2015

Abstract deadline: June 15th, 2015

Final agenda: August 1st, 2015

Registration closing: August 16th, 2015

More detailed information will be provided in a final circular later this year. In addition, updates will be regularly posted on the conference web site <http://poetic6.sciencesconf.org>.

Contact: poetic6@sciencesconf.org

We are looking forward to seeing you in Palaiseau!

The Local Organizing Committee:

Francois Arleo (Polytechnique/LLR - Palaiseau),
Raphaël Dupré (IPN - Orsay),
Cyrille Marquet, *Chair* (Polytechnique/CPHT - Palaiseau),
Bernard Pire (Polytechnique/CPHT - Palaiseau),
Franck Sabatié, *Chair* (CEA/IRFU - Saclay),
Ingo Schienbein (LPSC - Grenoble),
Grégory Soyez (CEA/IPHT - Saclay),
Samuel Wallon (LPT – Orsay).

The International Advisory Committee:

Nestor Armesto (Santiago de Compostela, Spain),
Elke Aschenauer (Upton, United States),
Daniel Boer (Groningen, Netherlands),
Marco Contalbrigo (Ferrara, Italy),
Markus Diehl (Hamburg, Germany),
Rolf Ent (Newport News, United States),
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Marco Stratmann (Tuebingen, Germany),
Lech Szymanowski (Warsaw, Poland),
Tony Thomas (Adelaide, Australie),
Thomas Ullrich (New Haven, United States),
Raju Venugopalan (Upton, United States).