

**AGREEMENT ON SCIENTIFIC COOPERATION THAT IS ESTABLISHED BETWEEN
THE IHEP (the Institute of High Energy Physics) AND THE ICRANET (International
Center for Relativistic Astrophysics Network).**

The IHEP, the Institute of High Energy Physics, within the Chinese Academy of Sciences, located in 19B Yuquanlu, Shijingshan District, Beijing (China), hereon referred as IHEP, and here represented by Prof. Shuangnan Zhang, born in Henan, China, on Dec. 27th, 1962.

And

The ICRANet, International Center for Relativistic Astrophysics Network, located in Piazza della Repubblica 10 – 65122 Pescara (Italy), hereon referred as ICRANet and here represented by his Director, Prof. Remo Ruffini, born in Briga on May 17th, 1942.

Clause 1

Activities

The activities to be developed within the aim of the present cooperation Agreement will consist of joint actions including:

- I. Promotion of theoretical and observational research activities within the field of Relativistic Astrophysics between IHEP and the States and Institutions Members of ICRANet. Today the Members are: Armenia (with seat in the National Academy of Science in Yerevan and in the Byurakan Astrophysical Observatory), Brazil (with seat at CBPF in Rio de Janeiro), in Italy (with seats at ICRANet in Pescara, ICRA in Rome and at the University Sophia Antipolis in Nice), Vatican State (with seat in the Vatican Observatory at Castel Gandolfo and at the Steward Observatory in Tucson) , ICRA, Stanford University and the University of Arizona, ICRA, Stanford University and the University of Arizona;
- II. The institutional exchange of faculty members, researchers, post-doctoral fellows and students;
- III. Promotion of technological developments between IHEP and ICRANet Members, as well as other cooperation scientific Institutions. Special attention will be devoted to space missions and advanced experiments and observations from the ground and underground facilities and observatories;
- IV. Development of Data Centers for Astrophysical data in all wavebands;
- V. The organization of training and teaching courses, and the development of inter-institutional research areas associated to local graduate programs. This will include the participation of IHEP in the IRAP PhD Program, promoted by ICRANet and the Universities of Berlin, Ferrara, Roma, Nice, Savoy and Stockholm, the Observatories of Côte D'Azur, Shanghai and Tartu and the Albert Einstein Institute, the Brazilian Center for Physics Research and the Indian Center for Space Physics;
- VI. The organization of seminars, conferences, workshops or short courses;
- VII. Joint publications.

Clause 2

Addenda

The implementation of the activities envisaged by the contracting parties will be specified by means of additional specific terms to the present cooperation agreement. These will be signed by the contracting parties at the time of defining common projects, areas of research or education or any other activities of mutual interest.

The Addenda must include: a research project with time schedule, human and material resources and individuals responsible for the planned activities.

Clause 3

Commitments

Both Institutions must adopt, as a general principle and to the extent of their budgetary possibilities, the financing of academic actions carried out by this agreement. The party which sends professors/researchers/technicians/students may cover transport expenses. The party which receives will cover living expenses. To finance such expenses, participants can apply to granting agencies and other national or international institutions. Students, professors, researchers and administrative staff taking part in exchange activities must have health insurance valid during those activities.

Clause 4

Academic Products

When activities originating from the present instrument of cooperation result in products improvements or innovations subject to rights, both parties will establish, according to proper regulatory legislation and by means of specific instruments, the conditions that will regulate property rights, in accordance with the law and proportionately to the contribution of each institution.

Clause 5

Executors

The activities developed within the aim of this Cooperation Agreement will be carried out by members of both parties, appointed by each institution, according to the nature of the activities in each case, the parties being allowed to rely upon the support of external organizations. An operational Standing Committee composed by two members of each one of the signing Institutions will be nominated by the time of the signature of the present Agreement. The Committee will meet at least once a year to draw plans for the joint events. The meeting can occur by electronic means (such as e-conference).

Clause 6

Duration

The present instrument will be valid for 5 (five) years, starting from the date of its signature.

Clause 7

Cancellation

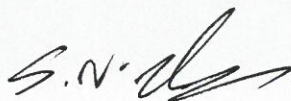
This present Cooperation Agreement may be canceled by any of the parties, by means of notification at least 60 (sixty) days in advance – which may be waived if both parties come to a consensual agreement – being advisable, however, to see that ongoing activities are maintained. This instrument will be automatically extinguished if any circumstances foreseen in legislations ruling either one or both parties prevent the observance of its validity.

Clause 8

Signature and acceptance of the agreement

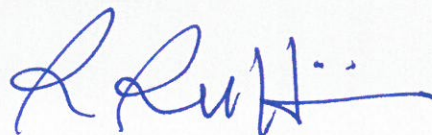
As proof of the agreement on what above, the parties sign this document in 4 (four) copies, 2 (two) in Chinese and 2 (two) in English, all authentic and identical in form and content, at the presence of undersigned witnesses, and signed for each other to produce legal effects.

For IHEP: Prof. Shuangnan Zhang
Director of Center for Particle Astrophysics,
IHEP



4th of November 2016

For ICRANet: Prof. Remo Ruffini
Director ICRANet



of November 2016