

ISTITUTO NAZIONALE DI FISICA NUCLEARE
CONSIGLIO DIRETTIVO

DELIBERAZIONE N. 11969

Il Consiglio Direttivo dell'Istituto Nazionale di Fisica Nucleare, riunito a Roma in data 26 luglio 2011 alla presenza di n. 26 dei suoi componenti su un totale di n. 33;

- tenuto conto dei pluriennali rapporti di cooperazione tra INFN e Institute of High Energy Physics (IHEP) della Chinese Academy of Sciences (CAS) formalizzati negli anni da numerosi Accordi di cooperazione scientifica per la realizzazione dell'esperimento ARGONAT; YBJ;
- considerato che il rivelatore, operativo dal 2006, ha raggiunto i suoi obiettivi scientifici e che, pertanto, si rende necessaria l'adozione di un MoU che stabilisca la chiusura della Collaborazione alla data del 31/12/2012;
- visto lo schema di "Memorandum of Understanding between the Istituto Nazionale di Fisica Nucleare and the Institute for High Energy Physics of CAS", allegato alla presente deliberazione e di essa parte integrante;
- **preso atto che l'approvazione di tale Memorandum of Understanding non comporta per l'Istituto oneri finanziari aggiuntivi;**
- su proposta della Giunta Esecutiva.;
- con n. 26 voti favorevoli;

DELIBERA

E' approvato il "Memorandum of Understanding between the Istituto Nazionale di Fisica Nucleare and the Institute for High Energy Physics of CAS", allegato alla presente deliberazione e di essa facente parte integrante e sostanziale. Il Presidente è autorizzato a perfezionarlo e a sottoscriverlo.

MEMORANDUM OF UNDERSTANDING

between the

ISTITUTO NAZIONALE DI FISICA NUCLEARE (INFN), Italy

and the

**INSTITUTE FOR HIGH ENERGY PHYSICS (IHEP)
of the Chinese Academy of Sciences (CAS), People's Republic of China**

The Istituto Nazionale di Fisica Nucleare, hereinafter referred to as INFN, represented by its President, Prof. Roberto PETRONZIO;

The Institute for High Energy Physics, hereinafter referred to as IHEP, represented by its President, Dr. Hesheng CHEN;

CONSIDERING

- The Letter of Intent signed on December 1998 between INFN and the National Natural Science Foundation of China (NSFC) in order to establish a long-term collaboration between Chinese and Italian scientists in specific research areas, expressing particular interest in the ARGO-YBJ Experiment based in the unique environment of the Yangbajing Cosmic Ray Laboratory (Tibet-China);
- the Joint Statement signed on December 1998 between INFN and IHEP strongly supporting the development of the ARGO-YBJ Experiment and expressing appreciation for the excellent results achieved in the operation phase of the detector's prototype;
- the Memorandum of Understanding signed on December 1999 and subsequent Addendum signed on December 2003 between INFN and IHEP aimed at setting out a framework of basic principles for the construction and operation of the ARGO YBJ Experiment;
- that the full scale detector has been operated successfully since 2006;
- that by the end of 31 December 2012, it is expected that more than five-hundred billions of events shall be collected;
- that a new project of air shower array, named LHAASO, also based at the YBJ

Laboratory and aimed at improving gamma ray astronomy measurements up to 1 PeV, has been selected as one of the candidate project by the competent Chinese authorities to be supported for the construction phase in the next 5 years;

HAVE AGREED AS FOLLOWS

ARTICLE 1

The ARGO YBJ Experiment will continue data taking until 31 December 2012. By that date, the Parties shall consult in view of exploring the terms and conditions for a possible continuation of their collaboration in the following years. In addition, they shall agree on the final use and exploitation of the ARGO YBJ detector and related electronic devices and equipments.

The Parties agree to support the data analysis until 31 December 2014. After this date, should any agreement not be reached between the Parties on further activities to be carried out, all the experimental data set shall be published and made available in open-source to the scientific community.

For INFN
Prof. Roberto Petronzio

For IHEP
Dr. Hesheng Chen

President of the Istituto
Nazionale di Fisica Nucleare
(INFN)

Director of the Institute
for High Energy Physics
(IHEP)

Rome, _____

Beijing, _____