

ADDENDUM

to

**THE MEMORANDUM OF UNDERSTANDING
FOR A MULTI-LATERAL COLLABORATION**

between

**THE INSTITUTIONS AND FUNDING
AGENCIES OF THE CTF3 COLLABORATION**

concerning

**THE CONTRIBUTION OF
SHANDONG UNIVERSITY TO THE COLLABORATION**

02/08/2013

CONSIDERING:

The Memorandum of Understanding ("the MoU") defining the framework applicable to the construction of a 3rd generation Compact Linear Collider Test Facility (CTF3) and the performance of Experiments to demonstrate the feasibility of key issues of the CLIC scheme;

That Article 1.2 of the MoU envisages Addenda defining each contribution pledged to the CTF3 Collaboration,

THE SCHOOL OF PHYSICS OF SHANDONG UNIVERSITY in its capacity as Member of the CTF3 Collaboration, **HEREWITH AGREES** to make the following contributions:

For the period 2013-2016

The university shall make major contributions to the CLIC ring to main linac beam transport system (RTML). This includes system design and optimization as well as beam dynamics studies of static and dynamic imperfections and the mitigation methods. Contributions to start-to-end simulations are also envisaged. During the period an expert should stay full time at CERN to work on the subject for a total of 36 months. From 2014 on, other experts should visit CERN for a total of at least 4 months per year to work on the subject.

The deliverables are reports and lattice decks.

The CLIC project will contribute to the stay of these experts at CERN (including travel costs to CERN) for a maximum amount of 150kCHF distributed over the corresponding period.

Each party shall nominate a Technical coordinator whose role is to coordinate technical activities within the framework of the MoU.

This Addendum shall form an integral part of the MoU.

Done in Geneva on:

For the School of Physics
Shandong University



Prof. Dr. Lianliang MA

For the CLIC project,



Dr. Daniel Schulte