

Addendum No. 2

to the

**Memorandum of Understanding
for Maintenance and Operation of the ALICE Detector**

Participation of

**Centro de Investigación y de Estudios Avanzados,
Mérida and Mexico City**

**Instituto de Ciencias Nucleares
Universidad Nacional Autónoma de México,
Mexico City**

**Instituto de Física
Universidad Nacional Autónoma de México,
Mexico City**

**Benemérita Universidad Autónoma de Puebla,
Puebla, Puebla**

**Universidad Autónoma de Sinaloa
Culiacán, Sinaloa**

1. Introduction

- 1.1 The construction of the ALICE Detector is covered by the Memorandum of Understanding for Collaboration in the Construction of the ALICE Detector¹ (the Construction MoU), signed by the representatives of the Funding Agencies listed in its Annex 2.
- 1.2 The participation of Mexico was formalised in Addendum No. 5 to the Construction MoU (Annex 1), signed by the General Director of the Centro de Investigación y de Estudios Avanzados (CINVESTAV), Mexico City, Mexico, on 10 May 2005.
- 1.3 The maintenance and operation of the ALICE detector is covered by the Memorandum of Understanding for Maintenance and Operation of the ALICE Detector² (the M&O MoU) and its Addendum No. 1 on CORE Computing³, signed by the representatives of the Funding Agencies listed in its Annex 2.
- 1.4 The purpose of the present Addendum to the M&O MoU is to lay down the terms of collaboration of the Mexican Institutes in the ALICE Collaboration with respect to M&O in conformity with the M&O MoU and its Addendum No. 1.

2. Terms of Collaboration

- 2.1 The Mexican Institutes in ALICE are as follows (M&O MoU Annex 1):
 - Centro de Investigación y de Estudios Avanzados, Mérida and Mexico City, represented by G. Herrera Corral;
 - Instituto de Ciencias Nucleares, Universidad Nacional Autónoma de México, Mexico City, represented by G. Paic,;
 - Instituto de Física, Universidad Nacional Autónoma de México, Mexico City represented by Andres Sandoval;
 - Benemérita Universidad Autónoma de Puebla, Puebla, represented by A. Fernandez Tellez;
 - Universidad Autónoma de Sinaloa, represented by Idelfonso León Monzón
- 2.2 The Funding Agency supporting the Mexican Institutes is the Consejo Nacional de Ciencia y Tecnología (CONACyT), Mexico City, Mexico, represented by J. A. de la Peña Mena (M&O MoU Annex 2).
- 2.3 As their contribution to the construction of the ALICE detector, the Mexican Institutes have chosen (M&O MoU Annexes 4 and 6):
 - Development, construction, installation and commissioning, operation and maintenance of a Cosmic Trigger system for the ALICE Experiment (ACORDE).

¹ ALICE RRB-D 00-041, 31 May 2000.

² CERN-RRB-2002-034, 24 May 2002.

³ CERN-RRB-2005-007, 29 March 2005.

- Development, construction, installation, commissioning, operation and maintenance of the V0A Trigger Detector.
- 2.4 The deliverables specified in Article 2.3 above give rise to Category B M&O responsibilities (M&O MoU Article 7.1.2) for the Mexican institutes, which therefore undertake to contribute 100% of the M&O expenses for the V0A and ACORDE detectors.
- 2.5 At the time of signing this document the following members of the Mexican Institutes, are considered as members of the ALICE Collaboration (M&O MoU Annex 13):

Centro de Investigación y de Estudios Avanzados (Mexico City and Mérida):

G. Contreras, G. Herrera Corral, L. M. Montaña, A. Zepeda

Instituto de Ciencias Nucleares, Universidad Nacional Autónoma de México, Mexico City:

A. Ayala, E. Cuautle, A. G. Medina-Tanco, L. Nellen, G. Paic, P. Podesta

Instituto de Física, Universidad Nacional Autónoma de México, Mexico City:

R. Alfaro, E. Belmont, V. Grabski, A. Martínez Davalos, A. Menchaca-Rocha, A. Sandoval

Benemérita Universidad Autónoma de Puebla:

A. Fernández, M. I. Martínez, M. A. Vargas, S. Vergara

Universidad Autónoma de Sinaloa

I. León Monzón

3. Signatures

- 3.1 By signing this Addendum, CONACyT accepts on behalf of the Mexican Institutes in ALICE, all of the terms of the M&O MoU and its Addendum No. 1, including in particular the procedure by which the annual M&O Category A contributions are estimated, scrutinised and approved (M&O MoU Article 10). The ALICE Collaboration is represented by its Spokesperson and CERN by its Director General.

Signed in Geneva,

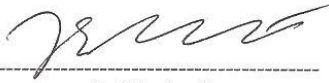
For CERN

R. Aymar
Director General

For CONACyT

J.A. de la Peña Mena
Director Adjunto

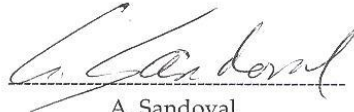
For the ALICE Collaboration

J. Schukraft
Spokesperson

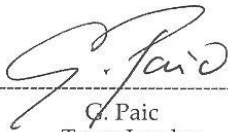
For CINVESTAV

Gerardo Herrera Corral
Team Leader

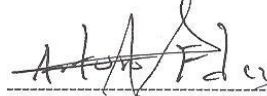
For UNAM-IF

A. Sandoval
Team Leader

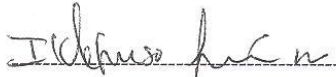
For UNAM-IC

G. Paic
Team Leader

For BUAP

A. Fernández-Téllez
Team Leader

For UAS

I. León Monzón
Team Leader