

Memorandum of Understanding

between

**The Regents of the University of California, as Management and Operating
Contractor for
Lawrence Berkeley National Laboratory**

and

Scuola Internazionale Superiore di Studi Avanzati, Italy

Concerning Collaboration in the Fields of Cosmology and High-Energy Physics

This Memorandum of Understanding (MOU) is between The Regents of the University of California (The Regents), in its capacity as the manager and operator of the Lawrence Berkeley National Laboratory (LBNL) and the Scuola Internazionale Superiore di Studi Avanzati, Italy (SISSA).

LBNL is a U.S. Department of Energy (DOE) National Laboratory managed and operated by The Regents pursuant to DOE Contract No. DE-AC02-05CH11231. SISSA is an Italian university.

The Regents and SISSA are collectively herein referred to as the "Participants" or individually as a "Participant."

1. Objective

The Participants intend to explore potential future collaboration in the field of cosmology and high-energy physics.

2. Proposed Areas of Collaboration

The Participants intend to collaborate in the area of Cosmic Microwave Background (CMB) simulation and data analysis, with the intention of extracting fundamental physics and cosmology from next-generation CMB experiments.

The scope of above activities and cooperation may be changed or extended to other areas by mutual written consent of the Participants.

3. Proposed Forms of Collaboration

The Participants expect to collaborate through mutual visits, the exchange of information, exchanges of researchers and experts, and training and planning for potential future joint research, with any future collaborative research to be undertaken only pursuant to an appropriate written agreement therefor.

4. Proposed Mechanisms of Collaboration

- a. To administer the implementation of this MOU, each Participant should designate one principal coordinator to be in charge of the collaboration, through whom all requests and plans of that Participant should be made.
- b. The principal coordinators may hold meetings when necessary to discuss matters related to collaboration under this MOU.
- c. The principal coordinator for The Regents is Dr. Natalie Roe. The principal coordinator for SISSA is Professor Carlo Baccigalupi.

5. Commencement, Modification and Discontinuation

- a. Cooperative activities under this MOU may commence upon signature and continue for a 5-year period, unless discontinued in accordance with paragraph b of this Section.
- b. The Participants may discontinue this MOU at any time by mutual written consent. Alternatively, a Participant that wishes to discontinue its participation in this MOU should endeavor to provide at least thirty (30) days written notice to the other Participant.
- c. This MOU may be modified or extended for additional periods by mutual written consent of the Participants.

6. Exchange of Information

The Participants do not anticipate the exchange of any business-confidential information. If the Participants decide that a particular activity may lead to the exchange of business-confidential information, they should consult with each other and make appropriate written arrangements for the protection of such information.

7. General Provisions

- a. This MOU does not create any legally binding obligations between the Participants.
- b. Each Participant should conduct the activities contemplated by this MOU in accordance with all applicable laws, regulations and other requirements to which it is subject, including, without limitation, export control laws and environment, health and safety laws and regulations and international agreements to which its Government is party.
- c. The conduct of cooperative activities contemplated by this MOU is subject to the availability of funding, personnel, and other resources.
- d. Each Participant is to be responsible for the costs it incurs in participating in cooperative activities under this MOU.

MOU between The Regents of the University of California and Scuola Internazionale
Superiore di Studi Avanzati

Signed in duplicate:

FOR THE REGENTS OF THE
UNIVERSITY OF CALIFORNIA,

By: Michael Witherell

Name: Michael Witherell

Title: Director, Lawrence Berkeley
National Laboratory

Date: March 21, 2016

Place: Berkeley, CA USA

FOR SCUOLA INTERNAZIONALE
SUPERIORE DI STUDI AVANZATI

By: Stefano Ruffo

Name: Stefano Ruffo

Title: Director, Scuola
Internazionale Superiore di
Studi Avanzati

Date: 01 GIU. 2016

Place: TRIESTE

