



<http://kicp-workshops.uchicago.edu/gwem2013/>

MEETING PROGRAM



<http://www.ligo.org/>



<https://www.cascina.virgo.infn.it/>



<http://www.uchicago.edu/>



<http://www.northwestern.edu/>

The LIGO Scientific Collaboration (LSC) and the Virgo Collaboration currently plan to start taking data in 2015, and we expect the sensitivity of the network to improve over time. Gravitational-wave transient candidates will be identified promptly upon acquisition of the data; we aim for distributing information with an initial latency of a few tens of minutes initially, possibly improving later. The LSC and the Virgo Collaboration (LVC) are now working to develop a program of accompanying electromagnetic observations. Early positional accuracies of the GW candidates will evolve in time, as described in arxiv.org:1304.0670. During early science runs before publication of the first four gravitational wave events, alerts will be available only through partnerships to be developed under this program (ref. LIGO-M1200055). Partners will be asked to sign a Memorandum of Understanding (MoU) involving an agreement on deliverables, publication policies, confidentiality, and reporting. After the publication of the first four gravitational wave events, the current LVC plan is to release alerts on all highly significant detection candidates promptly to the entire scientific community.

The Kavli Institute for Cosmological Physics (KICP) at the University of Chicago and the Center for Interdisciplinary Exploration and Research in Astrophysics (CIERA) at Northwestern University will co-host the meeting on September 10-11, 2013, held on the University of Chicago campus. The meeting will be held in the afternoon of the first day and the morning of the second day.

Organizing Committee

Eric Chassande-Mottin

Co-chair of the LVC EM MOU group

Stephen Eikenberry

Co-chair of the LVC EM MOU group

Gabriela Gonzalez

LIGO spokesperson

Daniel Holz

Local organizer

Vicky Kalogera

Local organizer

Jean-Yves Vinet

Virgo spokesperson

MEETING PROGRAM

September 10-11, 2013 @ University of Chicago

Tuesday - September 10, 2013

- 1:30 PM *WELCOME*
Daniel Holz, Vicky Kalogera
- 1:35 PM - 2:00 PM **Gabriela Gonzalez**, Louisiana State University
OVERVIEW OF PROJECT AND MEETING GOALS
- 2:00 PM - 3:00 PM **SHOTGUN SESSION**
presentations by LOI submitters (1 slide, 2 minutes each)
- 2:00 PM - 3:00 PM **Daniel Holz**, University of Chicago
Shotgun Talks
- 3:00 PM - 3:45 PM *COFFEE BREAK*
- 3:45 PM - 4:15 PM **David Reitze**, LIGO Laboratory, Caltech
ADVANCED DETECTOR ERA OVERVIEW
- 4:15 PM - 4:45 PM **Maria Alessandra Papa**, Max Planck Inst. for Gravitational Physics (Germany) and Univ. Wisconsin Milwaukee
BACKGROUND AND FOREGROUND IN GW SEARCHES
- 4:45 PM - 5:15 PM **Peter Shawhan**, University of Maryland
GW EVENT ALERTS
- 5:15 PM *BREAK FOR DINNER*

Wednesday - September 11, 2013

- 9:00 AM - 9:30 AM **Peter Shawhan**, University of Maryland
MOU FRAMEWORK PRESENTATION
- 9:30 AM - 10:30 AM *DISCUSSION OF MOU ISSUES*
focus on MOU types (Independent vs. Coordinated), observation coordination, and information sharing (regarding GW triggers, observational data, etc.)
- 10:30 AM - 11:00 AM *COFFEE BREAK*
- 11:00 AM - 12:00 PM *DISCUSSION OF MOU ISSUES*
focus on publication, authorship issues
- 12:00 PM - 1:00 PM *LUNCH*
provided
- 1:00 PM - 1:45 PM *DISCUSSION OF TECHNICAL COMMUNICATION PLANS*
- 1:45 PM - 2:00 PM *WRAP-UP & FAREWELL*