

Most Talks 22+3 (Intro Talks 25+5) [Confirmed Speakers](#)

Friday, May 3

Overview (CHAIR:)

- 8:45 - 9 Welcome ([Szabi Marka](#), [Zsuzsa Marka](#), [Morgan May](#))
- 9 - 9:30 LIGO overview ([Barish](#))
- 9:30 - 10 LSST overview ([Ivezic](#))
- 10 - 10:30 Science Opportunities Overview, Including Rates ([Sathyaprakash](#))

Coffee (10:30-11)

Survey Strategies and Synergies (CHAIR: Berger)

- 11 - 11:25 LSST Survey Plans/Transient Background ([Ivezic](#), [Tyson](#))
- 11:25 - 11:50 Survey Strategies for Kilonovae ([Cowperthwaite](#))
- 11:50 - 12:15 MMA Survey Synergies ([Soares-Santos](#))
- 12:15 - 12:40 Panel ([Margutti](#), [Setzer](#), [Ivezic](#), [Cowperthwaite](#), [Haiman](#), [Soares-Santos](#), [Tyson](#))

Lunch (12:40-2) Served In-House

Implications for Cosmology (CHAIR: Margutti)

- 2 - 2:25 Cosmology/H0 Overview ([Riess](#))
- 2:25 - 2:50 Cosmology w/ Gravitational Waves ([Chen](#))
- 2:50 - 3:30 Panel ([Soares-Santos](#), [Riess](#), [Cowperthwaite](#), [Brown](#), [Nissanke](#))

Coffee (3:30-4)

Interface: LSST, LIGO, and Community (CHAIR:)

- 4 - 4:25 LIGO Alerts ([Singer](#))
- 4:25 - 4:50 LSST Data ([Biswas](#))
- 4:50 - 5:30 Panel ([Biswas](#), [Singer](#), [Zsuzsa](#), [Bianco](#), [Ivezic](#), [Tyson](#))

Saturday, May 4

Lessons from GW170817 (CHAIR:)

- 9 - 9:25 Lessons from GW170817 ([Cenko](#))
- 9:25 - 9:50 Multi-wavelength MMA Synergies ([Berger](#))
- 9:50 - 10:15 X-ray Opportunities & LSST ([Margutti](#))
- 10:15 - 10:40 Panel ([Shawhan](#), [Cenko](#), [Berger](#), [Kouveliotou](#), [Margutti](#))

Coffee (10:40-11:10)

Nuclear Physics Opportunities (CHAIR:)

- 11:10 - 11:35 Kilonovae as Probes of R-Process ([Barnes](#))
- 11:35 - 12:00 Insights from Simulations ([Radice](#))
- 12:00 - 12:25 Neutron Star EoS Constraints ([Chatziioannou](#))

Lunch (12:25-1:45) Served In-House

- 1:45 - 2:05 Reflections ([Tyson/Ivezic](#))

Lessons/Opportunities from Other Missions (CHAIR: Szabi Marka)

- 2:05 - 2:30 Lessons from ZTF ([Andreoni](#))
- 2:30 - 2:55 TESS ([Ricker](#))
- 2:55 - 3:20 Gamma-Ray Opportunities ([Kouveliotou](#))

Coffee (3:20-3:50)

New Opportunities in Multi-Messenger Science (CHAIR: Sathyaprakash)

- 3:50 - 4:15 IceCube ([Bartos](#))
- 4:15 - 4:40 The GW Horizon ([D. Brown](#))
- 4:40 - 5:00 BNS Merger Populations with 3G Detectors ([Safarzadeh](#))
- 5:00 - 5:30 Discussion ([Andreoni](#), [Ricker](#), [Kouveliotou](#), [Bartos](#), [Brown](#), [Gill](#))