

LIGO Scientific Collaboration Meeting
Aug 14-17, 2006
Louisiana State University,
Baton Rouge, LA

REVISED

3:57 pm, Aug 13, 2006

Schedule overview (details appear below)

Monday August 14

| | |
|----------------|---|
| 8:15am-6pm | Data Analysis Talks (Noland/Laborde Hall) |
| 11am-4pm | ISC working group (Anderson Room) |
| 12:30pm-1:45pm | Lunch (Cain Lobby) |
| 7pm | Executive Committee Meeting (Anderson Room) |

Tuesday August 15

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|-----------------|--|
| 8:30am-10:40am | Plenary Talks (Noland/Laborde Hall) |
| 10:40am-10:55am | Coffee break (Cain Lobby) |
| 10:55am-11:35am | Plenary Presentations (Noland/Laborde Hall) |
| 11:35am-12:35pm | New membership presentations (Noland/Laborde Hall) |
| 12:50pm-2pm | Lunch (Cain Lobby) |
| 2pm-6:15pm | Data Analysis Discussions (Noland/Laborde Hall) |
| 8pm | LSC Council Meeting (Noland/Laborde Hall) |

Wednesday August 16

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|---------------|---|
| 8:30am-5:35pm | Technical Plenary Talks (Noland/Laborde Hall) |
| 10:45am-6pm | Detector Characterization (Abell room) |
| 12:50pm-2pm | Lunch (Cain Lobby) |
| 7:35pm | LSC dinner (Noland/Laborde Hall) |
| 8:30pm | LIGO Academic Affairs Council |

Thursday August 17

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|-----------------|---|
| 8am | Breakfast with LSU Chancellor (Cain Lobby) |
| 8:45am-11am | TCS review (Noland/Laborde Hall) |
| 11:15am-12:20pm | Technical Plenary Talks (Noland/Laborde Hall) |
| 9:35am-1:35pm | Detector Characterization (Abell room) |
| 1:35pm-2:30pm | AIC discussion (Noland/Laborde Hall) |
| 2:30pm-4pm | Closeout (Noland/Laborde Hall) |

Monday August 14: Data Analysis talks

8:15-10:15 Burst

Coffee break

10:30-12:30 Continuous waves

- Known pulsars S5 update
- Fast-track all-sky blind search S5 update
- S4 powerflux-stack slide-hough search paper results

Lunch

13:45-15:45 Inspiral

- 20+10: S3/S4 BNS, PBH Upper limits (Chad Hanna)
- 20+10: S3/S4 BBH (Alex Dietz)
- 15+5: S4 ringdowns (Lisa Goggin)
- 15+5: S5 BNS, BBH (presenter to be confirmed)

Coffee break

16:00-18:00 Stochastic

- S4 Radiometer (20+5+5, S. Ballmer)
- S4 ALLEGRO-LLO (20+5+5, J. Whelan)
- Deconvolution of Antenna Pattern in Radiometer Search (20+10, S. Mitra)
- S4 & S5 All-sky Searches (20+5+5, V. Mandic)

Monday August 14: ISC talks

11am-12:15pm Advanced LIGO ISC: Modulation Schemes

- Modulation schemes, Kentaro Somiya
- Optickle, Rana A
- Round-table discussion

1:45pm Advanced LIGO ISC: OMC

- Beam jitter effects, Vuk Mandic
- News from ANU, David McClelland
- Design thoughts, Peter F
- Round-table discussion

2:45pm Advanced LIGO ISC: Alignment
(schedule unknown as of 8/13)

Tuesday August 15: Plenary Talks

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| 8:30 | 0:10 | Announcements, State of the Collaboration (Saulson) |
| 8:40 | 0:20 | State of the LIGO Lab (Marx) |
| 9:00 | 0:20 | S5 status (Zucker) |
| 9:20 | 0:20 | GEO update (Grote) |
| 9:40 | 0:20 | Virgo update (Mours) |
| 10:00 | 0:20 | Enhancements to initial LIGO (Adhikari) |
| 10:20 | 0:20 | Advanced LIGO update (Shoemaker) |
| 10:40 | 0:15 | Break |
| 10:55 | 0:20 | Coordination of LSC outreach activities (Larson) |
| 11:15 | 0:20 | New LIGO document management system (Turner) |
| 11:35 | 0:15 | The view from the NSF (Tom Carruthers) |
| 11:50 | 0:15 | New membership presentation: Andrews University (Summerscales) |
| | | New membership presentation: San Jose State University |
| 12:05 | 0:15 | (Beyersdorf) |
| 12:20 | 0:15 | New membership presentation: Rochester Inst. Tech. (Sharaf) |
| 12:35 | | Lunch |
| 14:00 | 0:45 | Stochastic discussion |
| 14:45 | 0:45 | Inspiral discussion |
| 15:30 | 0:15 | break |
| 15:45 | 0:45 | CW discussion |
| 16:30 | 0:45 | Burst discussion |
| 17:15 | 0:30 | S5 glitch studies |
| 17:45 | 0:30 | S5 calibrations |
| 18:15 | | end of session |

Wednesday August 16: Technical Plenary Talks

- 8:30 0:20 Nergis Mavalvala, Ponderomotive squeezing
V.B.Braginsky, A.Gurkovsky, S.E.Strigin, S.P.Vyathanin (the speaker), "Parametric instability in signal
8:50 0:20 interferometer"
9:10 0:20 Volker Quetschke, Complex Optical Modulation
9:30 0:15 Eric Black, TNI results on ring dampers
9:50 0:20 Gregg Harry, Coating Overview
10:05 0:15 Stuart Reid, Glasgow report on dependent coating TN and possibly surface charging effects
10:20 0:15 Steve McGuire/Ed Doomes, Coating Materials Characterization Using EXAFS, XANES, XRF
10:35 0:15 Break
10:55 0:20 Brian Lantz, Seismic Isolation
11:10 0:15 Riccardo DeSalvo, Flovent simulations for in situ clean rooms
11:30 0:20 Rich Mittleman, Update on the Quad Suspension and Seismic Isolation at LASTI
11:50 0:20 Laurent Ruet, SUS Triple characterization
12:20 0:30 V. Boschi, V. Sannibale, R. DeSalvo, HAM-SAS
- 12:50 Lunch
- 14:00 0:20 F.Ya.Khalili, "Quantum variational measurement in future generation waves detectors".
14:20 0:20 David Rabeling from ANU; an RSE interferometer with a VRM.
14:40 0:10 Withdrawn.
14:40 0:15 Hiro Yamamoto, New FFT simulation tool and a few applications
14:55 0:20 Ke-Xun Sun, A symmetric, robust grating angular sensor
15:15 0:30 Rob Ward, 40m presentation
15:45 0:20 break
16:05 0:20 N. Robertson for C. Cantley, SUS Noise prototype (UK project)
16:25 0:20 A. Heptonstall, Laser fiber fabrication
16:45 0:15 KX Sun, Stanford Charging Experiment
17:00 0:15 Dennis Ugolini (Gregg Harry), Trinity/MIT charging experiment
17:15 0:15 Steve Penn, Suspension Thermal Noise
17:30 end of session

Thursday August 17: Technical Plenary talks

- 8:45 2:15 TCS review
11:00 0:15 break
11:15 0:10 Phil Willems, TCS Wavefront Sensors
Muzammil Arain, negative dn/dT materials for compensation
11:25 0:15 plates
11:40 0:10 Wan Wu, AM in EOMs for AdvLIGO
11:50 0:30 Optics overflow
- 12:20 Lunch
- 13:35 0:55 AIC discussion