

2017 Spring NANOGrav Meeting
West Virginia University, Morgantown, WV

Schedule of Events

Wednesday 4/19

8:30 – 9:00: Coffee Setup

9:00 – 10:30: Working Group Updates. Chair: Michael Lam

Timing: Paul Demorest

Searching: Kevin Stovall

Detection: Justin Ellis

IMM: Dan Stinebring

Noise Budget: James Cordes

Astrophysics: Sarah Burke-Spolaor

PINT: Scott Ransom

Pulsar Signal Simulator: Paul Baker

Cyber-Infrastructure: Adam Brazier

Education and Public Outreach: Joseph Swiggum

International Engagement: Maura McLaughlin

10:30 – 10:40: Coffee Break

10:45 – 12:00: Talk Session: Pulsar Timing. Chair: Golnoosh Golpayegani

Emmanuel Fonseca - *Observations of Pulsars and FRBs with CHIME*

Megan Jones - *Dispersion Measure Variations in the 9-yr Data Set*

Ryan Lynch – *The GBT Ultrawideband Receiver*

Jeffrey Hazboun (remote) - *An Update on the NANOGrav Pulsar Signal Simulator*

Dusty Madison - *Using NANOGrav to Study the Sun*

12:00 – 1:00: Lunch

1:00 – 2:30: Working Group Breakout Sessions

EPO

Cyber-I + Timing + Detection

2:30 – 2:45: Coffee Break

2:45 – 4:00: Working Group Breakout Sessions

Timing + IMM/NB

Detection + Astrophysics

EPO + Cyber-I

4:00 – 5:00: Title IX Discussion

7:00 – 8:00: Celebrating Einstein Documentary: “LIGO, A Passion for Understanding”

Thursday 4/20

8:30 – 9:00: Coffee Setup

9:00 – 10:15: Talk Session: Gravitational Wave Detection. Chair: Gabriella Alvarez

Casey McGrath - *Analyzing the Effects of Wavefront Curvature on Pulsar Timing Arrays*

Michele Vallisneri - *Searches for Stochastic GWs: Ephemerides and Other Systematics*

Stephen Taylor - *Solar-system Ephemeris Modeling Strategies & Ramifications For GW Constraints*

Paul Baker - *Enterprise!*

Justin Ellis - *What! There are Distributions Other than Gaussians?*

10:15 – 10:20: Poster Lightning Talks

10:20 – 10:45: Coffee Break + Poster Session

10:45 – 12:00: Kavli Planning Session. Chair: Emmanuel Fonseca?

Decadal Survey Discussion

Future of Current Telescopes

Future of Future Telescopes

12:00 – 1:00: Lunch

1:00 – 2:00: JPL Ephemeris Discussion

2:00 – 2:15: Overview of the 12.5 Year Data Release Discussions

2:15 – 2:30: Coffee Break

2:30 – 3:15: Topical Discussions A

3:15 – 4:00: Topical Discussions B

4:30 – 5:30: Celebrating Einstein Talk: Joan Centrella, “Gravitational Wave Astronomy: Turning Imagination into Discovery”

6:30: Conference Dinner at Mountain State Brewing Company

Friday 4/21

8:30 – 9:00: Coffee Setup

9:00 – 10:30: Talk Session: Gravitational Wave Sources. Chair: Kristina Islo

Chiara Mingarelli - *The Nanohertz Gravitational Wave Sky: Continuous-Wave Predictions Based on Local Galaxies*

Sean McWilliams - *Efficiently Simulating the Evolution of Supermassive Black Holes, and Implications for NANOGrav*

Luke Kelley – *Simulations of the GWB and Time-to-Detection*

Carlos Lousto - *Numerical Simulations of Merging Binary Black Holes*

Tingting Liu - *A Systematic Search for Supermassive Black Hole Binaries in the Pan-STARRS1 Medium Deep Survey*

Tim Pennucci – *Exotic PTA Sources*

10:30 – 11:00: Coffee Break

11:00 – 12:00: IPTA Discussion. Chair: Duncan Lorimer

Detection Protocols

Data Sharing

Access to International Telescopes

12:00 – 1:00: Lunch

1:00 – 2:00: Regroup Discussion: The 12.5 Year Data Release

2:00 – 2:30: Moving towards Future Data Releases

2:30 – 2:45: Coffee Break

2:45 – 3:45: Fundraising and Advocacy Discussion. Chair: Elizabeth Ferrara

3:45 – 4:00: Wrap Up

5:00 – 7:00: Celebrating Einstein Opening Reception (registration required)