

Numerical and Analytical Relativity and Data Analysis 2014 - August 21 and 22, CSUF

Thursday		
8:00 AM	Coffee	
8:15 AM	Welcome	
Session 1		<i>Chair: Harald Pfeiffer</i>
8:30 AM	Jessica Mclver	The road to Advanced LIGO's first observations
9:00 AM	Frank Ohme	Advanced LIGO: Detection needs and status
9:30 AM	Discussion	
10:00 AM	Coffee, posters	
	Stephen Privaterra	Can aligned spin filters detect fully precessing binary black hole mergers?
Session 2		<i>Chair: Frank Ohme</i>
10:30 AM	Vivien Raymond	Advanced LIGO: Parameter estimation
11:00 AM	Alex Nielson	Aligned-spin, inspiral-only searches for Advanced LIGO
11:15 AM	Vaibhav Tiwari	Search for eccentric binary black holes
11:30 AM	Richard O'Shaughnessy	Efficient high-mass parameter estimation
11:45 AM	Discussion	
12:00 PM	Lunch	
Session 3		<i>Chair: Geoffrey Lovelace</i>
1:30 PM	Bela Szilagy	Numerical simulation of binary black holes
2:00 PM	Sascha Husa	Ingredients for cooking aligned-spin phenomenological waveform models
2:15 PM	Mark Scheel	High spin numerical simulations
2:30 PM	Discussion	
3:00 PM	Coffee, posters:	
	Jonathan Thornburg	Calculating radiation-reaction effects in intermediate- and extreme-mass-ratio binary BHs

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Session 4		<i>Chair: Alessandro Nagar</i>
3:30 PM	Sebastiano Bernuzzi	Numerical simulation of binaries with neutron stars
4:00 PM	Kevin Barkett	Gravitational Waveforms in the Early Inspiral of Black Hole-Neutron Star Systems
4:15 PM	Bruno Giacomazzo	Magnetar formation from the merger of binary neutron stars
4:30 PM	Discussion	
Friday		
8:00 AM	Coffee	
Session 1		<i>Chair: Alessandra Buonanno</i>
8:30 AM	Andrea Taracchini	Analytic-relativity modeling of vacuum gravitational-wave sources
9:00 AM	Alessandro Nagar	EOB/NR modelling of gravitational dynamics and waveforms
9:15 AM	Serguei Ossokine	Comparison of Post-Newtonian and Numerical Relativity Dynamics
9:30 AM	Discussion	
10:00 AM	Coffee, posters:	
	Prayush Kumar	Accuracy of gravitational-wave models of coalescing Neutron-Star Black-Hole binaries with spin: comparison with Numerical Relativity in the low-frequency regime
	Blake Moore	Secular gravitational-wave phasing to 3PN order for low-eccentricity binaries
	Riccardo Sturani	Precessing waveforms and the merger-ring-down phase: PhenSpin update
Session 2		<i>Chair: Bruno Giacomazzo</i>
10:30 AM	Mark Favata	Waveform modeling and parameter estimation for the neutron-star equation of state
11:00 AM	Tanja Hinderer	Effective One-Body model for neutron star - black hole binaries

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11:15 AM	Will East	Gravitational waves from the collision of tidally disrupted stars with massive black holes
11:30 AM	Discussion	
12:00 PM	Lunch	
Session 3		<i>Chair: Ricardo Sturani</i>
1:30 PM	James Clark	Gravitational Wave Bursts: Inferences Without (Many) Assumptions
2:00 PM	Chad Galley/Scott Field	Surrogate models for numerical relativity waveforms
2:15 PM	Michael Puerrer	Frequency domain reduced order models for gravitational waves from aligned-spin black-hole binaries
2:30 PM	Discussion	
3:00 PM	Coffee, posters:	
	Jonathan Blackman	Sparse Representations of Gravitational Waves from Precessing Compact Binaries
	Scott Field/ Chad Galley	Surrogate models for numerical relativity waveforms
	Chandra Kant Mishra	Inspiral-merger-ringdown waveforms for non-spinning black hole binaries including effects of non-quadrupole modes
Session 4		<i>Chair: Jocelyn Read</i>
3:30 PM	Parameswaran Ajith	Gravitational-wave observations of binary black holes: Effect of non-quadrupole modes
3:45 PM	Sebastian Khan	Recent progress in aligned-spin phenomenological IMR models
4:00 PM	Saeed Mirshekari	Accuracy and Waveform Bias of Post-Newtonian Waveform Families with Spin Precession and Amplitude Corrections
4:15 PM	Mark Hannam	Precessing binaries: a reduced parameterisation, and simple generic IMR model
4:30 PM	Discussion	