

## Monday, October 15

### Introductory Session and Recent Developments Chair: Steve Ritz (Chesapeake Ballroom)

9:00-9:30 am	Julie McEnery (NASA/GSFC)	Fermi Mission Overview
9:30-10:00 am	Benoit Lott (CENBG/IN2P3)	The Fermi-LAT Fourth Source Catalog
10:00-10:15 am	Giacomo Principe (ECAP Erlangen University)	The First Catalog of Fermi-LAT sources below 100 MeV
10:15-10:30 am	Hao Zhou (Los Alamos National Laboratory)	Discovery of TeV Gamma-Ray Emission from the Jet Interaction Regions of Microquasar SS 433 with HAWC

### 10:30-11:15 am *Coffee Break*

### GRB170817A and its Precursor GW170817 Chair: Michael Briggs (Chesapeake Ballroom)

11:15-11:45 am	Dan Kocevski (NASA/MSFC)	Searching for the origin of high-energy emission from GRB 170817A
11:45-12:00 am	Paz Beniamini (George Washington University)	Observational constraints on the structure of gamma-ray burst jets and lessons from GW170817
12:00-12:15 pm	Binbin Zhang (Nanjing University)	Understanding the Prompt Emission of GRB 170817A - Event Rates, Ejecta Topology, Radiation Mechanism and 1.7 s Time Delay
12:15-12:30 pm	Robert Mochkovitch (Institut d'Astrophysique de Paris)	The expected diversity of afterglows from future neutron star merger events to be detected by LIGO/Virgo

### 12:30-1:30 pm *Lunch (Severn Room)*

### Fermi's Role in the Future of Gravitational Wave Astronomy Chair: Valerie Connaughton (Chesapeake Ballroom)

1:30-2:00 pm	Laura Cadonati (Georgia Tech)	Gravitational Wave Network
2:00-2:30 pm	Rachel Hamburg (University of Alabama in Huntsville)	Searching For GRB Counterparts To Gravitational Waves With Fermi GBM
2:30-2:45 pm	Eric Burns (NASA/GSFC)	Future Science from Gamma-ray Observations of Neutron Star Mergers
2:45-3:00 pm	Dieter Hartmann (Clemson)	Location and Environments of Neutron Star Mergers in an Evolving Universe

### 3:00-3:30 pm *Coffee Break*

### Neutrino Counterparts Chair: Rob Cameron (Chesapeake Ballroom)

3:30-4:00 pm	Anna Franckowiak (DESY)	Multimessenger observations of the flaring gamma-ray blazar, TXS 0506+056, coincident with the high-energy neutrino IceCube-170922A
4:00-4:30 pm	Azadeh Keivani (Columbia University)	A Multimessenger Picture of the Flaring Blazar TXS 0506+056
4:30-5:00 pm	Naoko Kurahashi Neilson (Drexel University)	Multimessenger astrophysics with IceCube - Fermi's guiding light in IceCube and neutrino astrophysics

5:30-6:30 pm Welcome Reception and Poster Session

## Tuesday, October 16

### 10 Years of Pulsars with Fermi Chair: Colin Clark (Chesapeake Ballroom)

9:00-9:30 am	Patrizia Caraveo (IASF-INAF)	Fermi gamma-ray pulsar revolution
9:30-10:00 am	Colleen Wilson-Hodge (NASA/MSFC)	10 years of the Fermi GBM pulsar project
10:00-10:30 am	Lars Nieder (AEI Hannover)	Einstein @ Home Discoveries of Fermi-LAT Pulsars

### Coffee Break

### Galactic Sources Chair: Marianne Lemoine-Goumard (Chesapeake Ballroom)

11:00-11:30 am	Wynn Ho (Haverford College)	Once in a lifetime observations of Be X-ray binary PSR J2032+4127/MT91 213 through periastron
11:30 am-12:00 pm	Andy Smith (University of Maryland, College Park)	Observation of Extended PWNe with HAWC
12:00-12:15 pm	Jamie Holder (University of Delaware)	X-ray and TeV gamma-ray emission from the 50-year period binary system PSR J2032+4127/MT91 213
12:15-12:30 pm	Daniel Castro (CfA)	The Monster Next Door Fermi-LAT observations of supernova remnant N132D in the Large Magellanic Cloud

### Lunch (Severn Room)

#### Pulsar Multiwavelength and Theory Chair: Elizabeth Ferrara

(Loch Raven Room)

#### AGN Jets Chair: Stefan Wagner

(Chesapeake Ballroom)

1:30-1:45 pm	Di Li (NAOC)	HI and Pulsar Survey Plans of the Five-hundred-meter Aperture Spherical radio Telescope (FAST)	Haocheng Zhang (Purdue University)	Multi-wavelength variability and polarization signatures probe the radiation and particle acceleration mechanisms in the blazar zone
1:45-2:00 pm			Matthew Baring (Rice University)	Time-Dependent, Multi-Wavelength Models for Active Flares of Fermi Blazars
2:00-2:15 pm	Zorawar Wadiasingh (NASA GSFC & North-West University Potchefstroom)	Hard Tails in Magnetars: The Resonant Compton Upscattering Model	Ian Christie (Northwestern University)	Radiative Signatures of Relativistic Reconnection in Blazar Jets
2:15-2:30 pm	Alice Harding (NASA/GSFC)	Multi-TeV Emission From the Vela Pulsar	Manuel Meyer (Stanford University)	Characterizing the brightest gamma-ray flares of flat spectrum radio quasars
2:30-2:45 pm	Paul Ray (NRL)	Following the Treasure Map: An Update on the Fermi Pulsar Search Consortium	Eileen Meyer (UMBC)	VERITAS detection & ongoing kinematic monitoring of Radio Galaxy 3C 264
2:45-3:00 pm	Anatoly Spitkovsky (Princeton)	Ab-initio simulations of magnetospheric structure of pulsars and their high-energy radiation	Bindu Rani (NASA/GSFC)	High-frequency and high-resolution polarization observations of Fermi blazars

### Coffee Break

#### More Galactic Sources Chair: Marie-Hélène Grondin

(Loch Raven Room)

#### Neutrino and Multimessenger Chair: Michelle Hui

(Chesapeake Ballroom)

3:30-3:45 pm			Felicia Krauss (GRAPPA/API, University of Amsterdam)	3LAC counterparts to IceCube neutrinos above 100 TeV
3:45-4:00 pm	Pierrick Martin (CNRS/IRAP)	Gamma-ray novae	Simone Garrappa (DESY)	Gamma-ray counterparts of the IceCube track-type high-energy neutrino events
4:00-4:15 pm	Justin Linford (West Virginia University)	Classical Novae: The Connections Between Radio and Gamma-Rays	Colin Turley (Pennsylvania State University)	Seeking Multimessenger Transients: Archival Searches and Prompt Alerts for Cosmic Fermi LAT Photon + High-Energy Neutrino Emitting Sources
4:15-4:30 pm	Robin Corbet (UMBC/NASA GSFC/MICA)	Discovery of a Galactic Gamma-ray Binary	Takahiro Sudoh (University of Tokyo / the Ohio State University (CCAPP))	High-Energy Gamma-ray and Neutrino Emission from Star-Forming Galaxies across Cosmic Time
4:30-4:45 pm	Henrike Fleischhack (Michigan Tech)	HAWC's View on Supernova Remnants	Jian Li (DESY)	Exploring the nature of a possible neutrino source MGRO J1908+06
4:45-5:00 pm	Francois Brun (CENBG)	Fermi-LAT detection of the massive star forming region W49A in high-energy gamma rays	Ali Kheirandish (University of Wisconsin-Madison)	Flaring Sources and the Diffuse High-Energy Cosmic Neutrino Flux

### Wednesday, October 17

#### AGN Topics Chair: Svetlana Jorstad (Chesapeake Ballroom)

9:00-9:30 am	Maria Petropoulou (Princeton University)	Physics of relativistic jets in the Fermi era
9:30-10:00 am	Yasushi Fukazawa (Hiroshima University)	Long-term study of a gamma-ray emitting radio galaxy NGC 1275
10:00-10:15 am	Marco Ajello (Clemson University)	The Extragalactic Background Light in the Fermi-LAT Era
10:15-10:30 am	Stefano Ciprini (SSDC ASI & INFN)	10-year LAT observations of PG 1553+113 and confirmation of a nearly periodic gamma-ray flux modulation

#### 10:30-11:00 am Coffee Break

#### 10 Years of Fermi GRB Studies Chair: Sylvia Zhu (Chesapeake Ballroom)

11:00-11:30 am	Andrei Beloborodov (Columbia University)	GRB emission mechanisms and open questions
11:30 am-12:05 pm	Bing Zhang (University of Nevada Las Vegas)	How Fermi revolutionized our physical understanding of GRB prompt emission?
12:05-12:15 pm	Donggeun Tak (NASA/GSFC/UMD)	How far from the central engine are the GRBs produced?
12:15-12:30 pm	Giacomo Vianello (Stanford University)	The second Fermi LAT GRB catalog: the features of 180 GRBs at high energy

#### 12:30-1:30 pm Lunch (Severn Room)

<b>Pulsar Searches and Discoveries - Chair: Walid Majid</b>	<b>Multiwavelength AGN Studies Chair: Justin Finke</b>
<b>(Loch Raven Room)</b>	<b>(Chesapeake Ballroom)</b>

1:30-1:45 pm	Kent Wood (Praxis, Inc., NRL)	Fermi LAT Observations of Two Be-Pulsar Binary Systems at GeV Energies	Paul Smith (Steward Observatory, University of Arizona)	An Optical 10-Year Blazar Data Archive for Fermi and the Masses
1:45-2:00 pm	Pablo Saz Parkinson (The University of Hong Kong/ Santa Cruz)	Discovery of two energetic gamma-ray pulsars powering supernova remnants MSH 11-62 and CTB 37A	Qi Feng (Columbia University)	Very-High-Energy Emission from Extragalactic Cosmic Accelerators - Highlights from recent VERITAS AGN Observations
2:00-2:15 pm	Philippe Bruel (Laboratoire Leprince-Ringuet, CNRS/IN2P3, Ecole Polytechnique)	Extending the event-weighted pulsation search to very faint gamma-ray pulsars	Alan Marscher (Boston University)	10 Years of VLBA-BU-BLAZAR Monitoring: Relationship between Gamma-ray and Millimeter-wave Events in Blazar Jets
2:15-2:30 pm	Matthew Kerr (NRL)	Searching a Thousand Radio Pulsars to Find Faint Gamma-ray Pulsations	Lea Marcotulli (Clemson University)	The Density of Blazars above 100 MeV and the Origin of the Extragalactic Gamma-ray Background v.2.0
2:30-2:45 pm	Christo Venter (North-West University)	Gamma-ray and X-ray Shock Emission from Spider Binaries	Frank Schinzel (NRAO)	Enhancing the value of Fermi LAT catalogs with dedicated radio counterpart searches
2:45-3:00 pm	Siraprapa Sanpa-arsa (National Astronomical Research Institute of Thailand)	Discovery of Sixteen Millisecond Pulsars in Fermi-LAT Unassociated Sources with the GBT Telescope	Vaidehi Paliya (Clemson University)	Under-the-Threshold Populations with Fermi-LAT: the Case of Star-forming Galaxies and Extreme BL Lacs
3:00-3:30 pm	<b>Coffee Break</b>			
	<b>GRB Topics Chair: Maria Giovanna Dainotti</b>		<b>Diffuse Studies Chair: Isabelle Grenier</b>	
	<b>(Loch Raven Room)</b>		<b>(Chesapeake Ballroom)</b>	
3:30-3:45 pm	Makoto Arimoto (Kanazawa University)	Physical Origin of GeV emission in the early phase from GRB 170405A: clue from emission onsets with multi-wavelength observations	Seth Digel (SLAC)	The Model for Diffuse Gamma-ray Emission for the LAT 4FGL
3:45-4:00 pm	Felix Ryde (Royal Institute of Technology, Stockholm, Sweden)	The correlated variation of the GRB intensity and spectral shape indicates photospheric emission		
4:00-4:15 pm	Francesco Berlato (Max Planck Institute for Extraterrestrial Physics)	Improved GBM GRB localizations with BALROG	Shunsaku Horiuchi (Virginia Tech)	Dark matter through gamma-ray cross-correlations with gravitational tracers
4:15-4:30 pm	Patrick Crumley (Princeton University)	Particle acceleration in mildly relativistic shocks		
4:30-4:45 pm	Soeb Razzaque (University of Johannesburg)	Spectral analysis of Fermi-LAT Gamma-Ray Bursts with known redshift and their potential use as cosmological standard candles	Gudlaugur Johannesson (University of Iceland & Nordita)	Adding time-dependence to the models of the Galactic interstellar gamma-ray emission

4:45-5:00 pm	Dmitry Svinkin (Ioffe Institute)	A search for ultra-long gamma-ray bursts in the Konus-Wind data	Demos Kazanas (NASA/GSFC)	The Fermi Bubbles as Pair Haloes
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**Thursday, October 18**

**Dark Matter Sources Chair: Bill Atwood (Chesapeake Ballroom)**

9:00-9:30 am	Francesca Calore (CNRS, LAPTh)	Ten years of dark matter searches with the Fermi-LAT
9:30-10:00 am	Chanda Prescod-Weinstein (University of Washington)	Making a Universe with Axions
10:00-10:15 am	Anthony Brown (Durham University)	Gamma-ray emission from globular clusters: more than just millisecond pulsars?
10:15-10:30 am	Xian Hou (Yunnan Observatories, Kunming, China)	On the origin of the gamma-ray emission from the Andromeda galaxy

**Coffee Break**

**Galactic Center Chair: Mark McConnell (Chesapeake Ballroom)**

11:00-11:30 am	Betsy Mills (Boston University)	X-ray/radio/mm links to gamma rays in the Galactic Center
11:30 am-12:00 pm	Michela Negro (University and INFN of Torino)	Unveiling the anisotropies in the unresolved gamma-ray background.
12:00-12:15 pm	Regina Caputo (NASA/GSFC)	Search for Gamma-ray Emission from p-wave Dark Matter Annihilation in the Galactic Center
12:15-12:30 pm	Fabio Cafardo (IAG - USP)	Fermi LAT observations of Sagittarius A*

**Lunch (Severn Room)**

**Solar System  
(Loch Raven Room)**

**Dark Matter Searches Chair: Reshmi Mukherjee  
(Chesapeake Ballroom)**

1:30-1:45 pm	Tim Linden (Ohio State University)	Evidence for a New Component of Solar Gamma-Ray Emission	Pasquale Serpico (LAPTh, CNRS - Annecy)	Dark matter constraints from dwarf galaxies: a data-driven analysis
1:45-2:00 pm			Sheridan Lloyd (University of Durham)	Constraining axion mass through Fermi-LAT observations of pulsars
2:00-2:15 pm	Oliver Roberts (USRA)	Over in a Flash: A decade of Terrestrial Gamma-ray Flashes with Fermi-GBM	Alberto Dominguez (Universidad Complutense de Madrid)	Cosmology with the Fermi-LAT
2:15-2:30 pm			Mattia Di Mauro (NASA/GSFC)	Search for dark matter in Fermi-LAT data with the DM catalog pipeline
2:30-2:45 pm			Gabrijela Zaharijas (Un. of Nova Gorica and INFN, Trieste)	TeV dark matter search program with the Cherenkov Telescope Array: the strategy and synergies with current gamma-ray experiments
	Nicola Omodei (Stanford University)	High-energy Observations of Solar Flares During Solar Cycle 24th with the Fermi Large Area Telescope		

2:45-3:00 pm	Elena Orlando (Stanford University)	Observations of the Quiet Sun with the Fermi-LAT	Eric Charles (SLAC)	Tools for Creating Analysis Pipelines for Diffuse Emission Modelling and Dark Matter Searches
3:00-3:30 pm	<b>Coffee Break</b>			
	<b>Analysis Tutorials Chair: Tsunefumi Mizuno (Loch Raven Room)</b>		<b>Future Missions Chair: Jeremy Perkins (Chesapeake Ballroom)</b>	
3:30-3:45 pm			Sylvain Guiriec (George Washington University / NASA GSFC)	Opening a New Window on the MeV Sky with AMEGO
3:45-4:00 pm	Mattia Di Mauro (NASA/GSFC)	Fermipy tutorial	Jacob Smith (CRESST/UMBC)	BurstCube: Mission Concept and Status
4:00-4:15 pm			Jakub Ripa (MTA-Eotvos Lorand University)	Future mission CAMELOT for localisation of gamma-ray transients by fleet of cubesats
4:15-4:30 pm			Jordan Camp (NASA/GSFC)	ISS-TAO and TAP: Proposed NASA Gravitational Wave Counterpart Missions for the 2020s
4:30-4:45 pm	Adam Goldstein (USRA)	GSpec: A New GBM Spectral Analysis Application as part of the GBM Data Tools	Josh Schlieder (NASA/GSFC)	Nimble: A Mission Concept for Multi-Messenger Astrophysics
4:45-5:00 pm			Tatsuya Sawano (Kanazawa University)	Kanazawa-SAT3: Microsatellite-borne X-ray Transient Localization Experiment Searching for Electromagnetic Counterparts of Gravitational-wave Sources
6:30 - 9:00 pm	<b>Banquet - Sprit of Baltimore Harbor Dinner Cruise</b>			

### Friday, October 19

<b>Current and Future Synergies with Fermi I Chair: Chris Shrader (Chesapeake Ballroom)</b>				
9:00-9:30 am	Ashley Zauderer (NSF)		VLA Sky Survey	
9:30-10:00 am	Brad Cenko (NASA/GSFC)		Optical Surveys	
10:00-10:15 am	Sunil Chandra (North-West University, Potchefstroom, South Africa)		Soft X-ray Telescope (SXT) Instrument on-board AstroSat, an Indian Space-Based multi-wavelength observatory	

10:15-10:30 am	Zaven Arzoumanian (NASA/GSFC)	Pulsars from keV to GeV: Fermi-NICER Opportunities
10:30-11:00 am	<b>Coffee Break</b>	
<b>Current and Future Synergies with Fermi II Chair: Jamie Holder (Chesapeake Ballroom)</b>		
11:00-11:30 am	Bronislaw Rudak (Nicolaus Copernicus Astronomical Center, Polish Academy of Sciences)	Science Highlights from H.E.S.S.
11:30 am-12:00 pm	Chad Brisbois (Michigan Technological University)	From MeV to TeV: Six Decades of Gamma-ray Astronomy
12:00-12:30 pm	Luigi Tibaldo (IRAP)	Synergies between Fermi and the Cherenkov Telescope Array
12:30-12:45 pm	Poster Competition Winner	Poster Competition Winner's Talk