

# Half a Century of Blazars and Beyond



## Report of Contributions

Contribution ID: **100**

Type: **not specified**

# Welcome

**Presenter:** MASSARO, Francesco (University of Torino)

Contribution ID: **102**

Type: **not specified**

## **The Devil is in the Details: Using High-Cadence, Multiwavelength Observations to Understand the Disk-Jet Connection in Blazars (Invited)**

*Monday, June 11, 2018 9:25 AM (30 minutes)*

**Presenter:** ISLER, Jedidah (Vanderbilt University)

**Session Classification:** Identification, population, and panchromatic all-sky surveys

Contribution ID: **103**

Type: **not specified**

## **Twenty years of the Whole Earth Blazar Telescope (WEBT)**

*Monday, June 11, 2018 9:55 AM (20 minutes)*

**Presenter:** RAITERI, Claudia (INAF - OATo)

**Session Classification:** Identification, population, and panchromatic all-sky surveys

Contribution ID: **104**

Type: **not specified**

## **The Extraordinary Flare of CTA 102 in 2016 - 2017**

*Monday, June 11, 2018 10:45 AM (20 minutes)*

**Presenter:** BOETTCHER, Markus (North-West University)

**Session Classification:** Identification, population, and panchromatic all-sky surveys

Contribution ID: 105

Type: **not specified**

## **Quasi-simultaneous decade-long optical and gamma-ray monitoring of selected blazars: the confrontation of the two energy ranges and its outcome**

*Monday, June 11, 2018 11:05 AM (20 minutes)*

**Presenter:** LARIONOV, Valeri ((St. Petersburg State University))

**Session Classification:** Identification, population, and panchromatic all-sky surveys

Contribution ID: **106**

Type: **not specified**

## **Multiwavelength studies of blazars**

*Monday, June 11, 2018 11:25 AM (20 minutes)*

**Presenter:** AGARWAL, Aditi (Indian Institute of Astrophysics)

**Session Classification:** Identification, population, and panchromatic all-sky surveys

Contribution ID: **107**

Type: **not specified**

## **Multi-wavelength flaring activity in bright blazars**

*Monday, June 11, 2018 11:45 AM (20 minutes)*

**Presenter:** LIODAKIS, Ioannis (KIPAC - Stanford University)

**Session Classification:** Identification, population, and panchromatic all-sky surveys



Contribution ID: **108**

Type: **not specified**

## **Radio core dominance of Fermi blazars**

*Monday, June 11, 2018 12:05 PM (20 minutes)*

**Presenter:** PEI, Zhi-yuan (University of Padova)

**Session Classification:** Identification, population, and panchromatic all-sky surveys

Contribution ID: **109**

Type: **not specified**

## **LOC Announcements**

**Presenter:** MASSARO, Francesco (UniTO)

Contribution ID: 111

Type: **not specified**

## **Parsec-Scale Studies of Blazar Jet Kinematics (Invited)**

*Monday, June 11, 2018 2:00 PM (30 minutes)*

**Presenter:** LISTER, Matt (Purdue University)

**Session Classification:** Identification, population, and panchromatic all-sky surveys

Contribution ID: 112

Type: **not specified**

## **Dramatic Multi-Wavelength Outburst of the Quasar 4C+29.45 at the End of 2017**

*Monday, June 11, 2018 2:30 PM (20 minutes)*

**Presenter:** JORSTAD, Svetlana (Boston University)

**Session Classification:** Identification, population, and panchromatic all-sky surveys

Contribution ID: 113

Type: **not specified**

## **Relationship between Gamma-Rays and the pc-scale Radio Jet in 3C 279**

*Monday, June 11, 2018 2:50 PM (20 minutes)*

**Presenter:** PATIÑO ALVAREZ, Victor Manuel (Max Planck Institute for Radio Astronomy)

**Session Classification:** Identification, population, and panchromatic all-sky surveys

Contribution ID: 114

Type: **not specified**

## **Signatures of the extragalactic background light in gamma-rays (Fermi@10 special talk)**

*Monday, June 11, 2018 3:40 PM (25 minutes)*

**Presenter:** DOMINGUEZ, Alberto (Universidad Computense de Madrid)

**Session Classification:** Gamma-ray linchpin: VHE Connections

Contribution ID: 115

Type: **not specified**

## **TeV blazars with H.E.S.S.**

*Monday, June 11, 2018 4:05 PM (20 minutes)*

**Presenter:** CERRUTI, Matteo (CNRS - LPNHE)

**Session Classification:** Gamma-ray linchpin: VHE Connections

Contribution ID: 117

Type: **not specified**

## **Highlights from the VERITAS Blazar Observation Program**

*Monday, June 11, 2018 4:25 PM (20 minutes)*

**Presenter:** BENBOW, Wystan (Harvard-Smithsonian Center for Astrophysics)

**Session Classification:** Gamma-ray linchpin: VHE Connections



Contribution ID: **118**

Type: **not specified**

## **MAGIC blazars in a multi-wavelength context**

*Monday, June 11, 2018 4:45 PM (20 minutes)*

**Presenter:** PRANDINI, Elisa (University of Padova - INFN Padova)

**Session Classification:** Gamma-ray linchpin: VHE Connections

Contribution ID: 119

Type: **not specified**

## **Two-component jet scenarios and blazar classification**

*Monday, June 11, 2018 5:05 PM (20 minutes)*

**Presenter:** SOL, Helene (CNRS - Observatoire de Paris)

**Session Classification:** Gamma-ray linchpin: VHE Connections

Contribution ID: 120

Type: **not specified**

## **The Fourth catalogue of AGN detected by Fermi-LAT (Fermi@10 Special talk)**

*Tuesday, June 12, 2018 8:45 AM (25 minutes)*

**Presenter:** GASPARRINI, Dario (SSDC)

**Session Classification:** Gamma-ray linchpin: Fermi (and Beyond)

Contribution ID: 121

Type: **not specified**

## **The blazar sequence is alive (Review)**

*Tuesday, June 12, 2018 9:10 AM (35 minutes)*

**Presenter:** GHISELLINI, Gabriele (INAF - Osservatorio Astronomico di Brera)

**Session Classification:** Gamma-ray linchpin: Fermi (and Beyond)

Contribution ID: 122

Type: **not specified**

## **An observationally driven approach to blazars (Review)**

*Thursday, June 14, 2018 12:00 PM (30 minutes)*

**Presenter:** PADOVANI, Paolo (ESO)

**Session Classification:** The (Enrico) Fermi connection: particle acceleration, simulations, and theory

Contribution ID: 123

Type: **not specified**

## Remarks and Discussion

Contribution ID: 125

Type: **not specified**

## **To BLR or not to BLR ? The Fermi-LAT view**

*Tuesday, June 12, 2018 9:45 AM (20 minutes)*

**Presenter:** COSTAMANTE, Luigi (Italian Space Agency)

**Session Classification:** Gamma-ray linchpin: Fermi (and Beyond)

Contribution ID: 126

Type: **not specified**

## **High Energy flares of FSRQs: the connection with the accretion disk luminosity**

*Tuesday, June 12, 2018 10:55 AM (20 minutes)*

**Presenter:** PACCIANI, Luigi (IAPS-INAF)

**Session Classification:** Gamma-ray linchpin: Fermi (and Beyond)



Contribution ID: 127

Type: **not specified**

## **Chasing hidden TeV beacons in the elusive population of extreme HBLs**

*Tuesday, June 12, 2018 11:15 AM (20 minutes)*

**Presenter:** BONNOLI, Giacomo (University of Siena - INFN Pisa - INAF- Bologna Astronomical Observatory)

**Session Classification:** Gamma-ray linchpin: Fermi (and Beyond)

Contribution ID: 128

Type: **not specified**

## **Extreme TeV blazars as probes of the intergalactic medium: beyond the absorption-only model**

*Tuesday, June 12, 2018 11:35 AM (20 minutes)*

**Presenter:** DZHATDOEV, Timur (Moscow State University)

**Session Classification:** Gamma-ray linchpin: Fermi (and Beyond)

Contribution ID: **129**

Type: **not specified**

## **Joint NuSTAR and Fermi observations of blazars**

*Tuesday, June 12, 2018 1:45 PM (20 minutes)*

**Presenter:** MADEJSKI, Grzegorz (SLAC)

**Session Classification:** Gamma-ray linchpin: (Fermi) and Beyond

Contribution ID: 130

Type: **not specified**

## **X-ray Intraday Flux and Spectral Variability of TeV Blazars with NuSTAR**

*Tuesday, June 12, 2018 2:05 PM (20 minutes)*

**Presenter:** PANDEY, Ashwani (Aryabhata Research Institute of Observational Sciences (ARIES))

**Session Classification:** Gamma-ray linchpin: (Fermi) and Beyond

Contribution ID: 131

Type: **not specified**

## **A multi-wavelength view of the most extreme X-ray flare from Mrk 501**

*Tuesday, June 12, 2018 2:25 PM (20 minutes)*

**Presenter:** BECERRA GONZÁLEZ, Josefa (Instituto de Astrofísica de Canarias)

**Session Classification:** Gamma-ray linchpin: (Fermi) and Beyond

Contribution ID: 132

Type: **not specified**

## **FERMI transient J1544-0649: a flaring radio-weak BL Lac**

*Tuesday, June 12, 2018 2:45 PM (20 minutes)*

**Presenter:** BRUNI, GABRIELE (INAF - Institute for Space Astrophysics and Planetology)

**Session Classification:** Gamma-ray linchpin: (Fermi) and Beyond

Contribution ID: 133

Type: **not specified**

## **Restarting activity in the nucleus of PBC J2333.9-2343 (HERNANDEZ-GARCIA et al.)**

*Tuesday, June 12, 2018 4:00 PM (20 minutes)*

**Presenter:** PANESSA, Francesca (IAPS-INAF)

**Session Classification:** Gamma-ray linchpin: (Fermi) and Beyond

Contribution ID: 134

Type: **not specified**

## **Jet physics of blazar-like narrow-line Seyfert 1 galaxies in the Fermi era**

*Tuesday, June 12, 2018 4:20 PM (20 minutes)*

**Presenter:** D'AMMANDO, Filippo (INAF-IRA Bologna)

**Session Classification:** Gamma-ray linchpin: (Fermi) and Beyond



Contribution ID: 135

Type: **not specified**

## **Collimation, acceleration and recollimation shock in the jet of gamma-ray emitting radio-loud NLS1 galaxy 1H 0323+342**

*Tuesday, June 12, 2018 4:40 PM (20 minutes)*

**Presenter:** HADA, Kazuhiro (National Astronomical Observatory of Japan)

**Session Classification:** Gamma-ray linchpin: (Fermi) and Beyond

Contribution ID: 136

Type: **not specified**

## **Gamma loud NLS1s: a low scale version of FSRQs?**

*Tuesday, June 12, 2018 5:00 PM (20 minutes)*

**Presenter:** BOISSON, Catherine (LUTH - Observatoire de Paris)

**Session Classification:** Gamma-ray linchpin: (Fermi) and Beyond

Contribution ID: 137

Type: **not specified**

## **Spectroscopy of extragalactic gamma-ray emitters: new identification, classification and redshift**

*Tuesday, June 12, 2018 5:20 PM (20 minutes)*

**Presenter:** PAIANO, Simona (INAF - Padova Astronomical Observatory)

**Session Classification:** Gamma-ray linchpin: (Fermi) and Beyond

Contribution ID: 138

Type: **not specified**

## **Search for AGN counterparts of unidentified Fermi-LAT sources using optical polarimetry**

*Tuesday, June 12, 2018 5:40 PM (20 minutes)*

**Presenter:** BLINOV, Dmitry (University of Crete)

**Session Classification:** Gamma-ray linchpin: (Fermi) and Beyond

Contribution ID: 140

Type: **not specified**

## **Delving Deeper into Blazars Cores with 3mm GMVA Polarimetric Observation**

*Wednesday, June 13, 2018 9:15 AM (20 minutes)*

**Presenter:** CASADIO, Carolina (Max Planck Institute for Radio Astronomy)

**Session Classification:** Role of polarimetry, including X-ray and Gamma-ray polarimetry

Contribution ID: 141

Type: **not specified**

## **Scrutiny of the recollimation shock in BL Lacertae on sub parsec scales**

*Wednesday, June 13, 2018 9:35 AM (20 minutes)*

**Presenter:** ARSHAKIAN, Tigran (Byurakan Astrophysical Observatory)

**Session Classification:** Role of polarimetry, including X-ray and Gamma-ray polarimetry

Contribution ID: 142

Type: **not specified**

## **X-Ray and Gamma-Ray Spectropolarimetric Observations of Active Galactic Nuclei (Invited)**

*Wednesday, June 13, 2018 9:55 AM (30 minutes)*

**Presenter:** KRAWCZYNSKI, Henric (Washington University in St. Louis)

**Session Classification:** Role of polarimetry, including X-ray and Gamma-ray polarimetry

Contribution ID: 143

Type: **not specified**

## **Magnetic fields in blazar jets (Invited)**

*Wednesday, June 13, 2018 8:45 AM (30 minutes)*

**Presenter:** HOVATTA, Talvikki (Tuorla Observatory)

**Session Classification:** Role of polarimetry, including X-ray and Gamma-ray polarimetry



Contribution ID: 144

Type: **not specified**

## **Optical polarisation variability of radio loud narrow line Seyfert 1 galaxies**

*Wednesday, June 13, 2018 11:35 AM (20 minutes)*

**Presenter:** ANGELAKIS, Emmanouil (Max Planck Institute for Radio Astronomy)

**Session Classification:** Role of polarimetry, including X-ray and Gamma-ray polarimetry

Contribution ID: 145

Type: **not specified**

## **Polarization Monitoring of AGN at Millimeter Wavelengths with the IRAM 30m Telescope. First results and impact on blazar science**

*Wednesday, June 13, 2018 10:55 AM (20 minutes)*

**Presenter:** AGUDO, Ivan (Instituto de Astrofísica de Andalucía (CSIC))

**Session Classification:** Role of polarimetry, including X-ray and Gamma-ray polarimetry

Contribution ID: 146

Type: **not specified**

## **Blazar physics through multi-frequency circular and linear polarization monitoring**

*Wednesday, June 13, 2018 11:15 AM (20 minutes)*

**Presenter:** MYSERLIS, Ioannis (Max Planck Institute for Radio Astronomy)

**Session Classification:** Role of polarimetry, including X-ray and Gamma-ray polarimetry

Contribution ID: 147

Type: **not specified**

## **Dissipation and Particle Acceleration in Blazar Jets (Review)**

*Thursday, June 14, 2018 8:45 AM (35 minutes)*

**Presenter:** BEGELMAN, Mitch (University of Colorado, Boulder)

**Session Classification:** The (Enrico) Fermi connection: particle acceleration, simulations, and theory

Contribution ID: 148

Type: **not specified**

## **Extragalactic Jet Dynamics after Half a Century of MHD modelling. Where are we? (Invited)**

*Thursday, June 14, 2018 9:20 AM (30 minutes)*

**Presenter:** MIGNONE, Andrea (UniTO)

**Session Classification:** The (Enrico) Fermi connection: particle acceleration, simulations, and theory

Contribution ID: 149

Type: **not specified**

## **Reconnection and Associated Flares in Global Relativistic Jets Containing Helical Magnetic Fields with PIC Simulations**

*Thursday, June 14, 2018 9:50 AM (20 minutes)*

**Presenter:** NISHIKAWA, Kenichi (Univeristy of Alabama in Huntsville)

**Session Classification:** The (Enrico) Fermi connection: particle acceleration, simulations, and theory

Contribution ID: 150

Type: **not specified**

## **From the Micro to the Macro - Bridging the Gap Between The Theory and Observation of Blazar Jets**

*Friday, June 15, 2018 11:50 AM (20 minutes)*

**Presenter:** MACDONALD, Nicholas (Max Planck Institute for Radio Astronomy)

**Session Classification:** Jet collimation on Event-Horizon scales and jet launching

Contribution ID: 151

Type: **not specified**

## **Total and linearly polarized synchrotron emission from overpressured magnetized relativistic jets**

*Thursday, June 14, 2018 10:10 AM (20 minutes)*

**Presenter:** FUENTES, Antonio (Instituto de Astrofísica de Andalucía (CSIC))

**Session Classification:** The (Enrico) Fermi connection: particle acceleration, simulations, and theory



Contribution ID: 152

Type: **not specified**

## **Broadband Modeling of Blazar Spectra with a Turbulent Acceleration Model**

*Thursday, June 14, 2018 11:00 AM (20 minutes)*

**Presenter:** ASANO, Katsuaki (Institute for Cosmic Ray Research - The University of Tokyo)

**Session Classification:** The (Enrico) Fermi connection: particle acceleration, simulations, and theory

Contribution ID: 153

Type: **not specified**

## **Signatures of stochastic acceleration in the spectral distributions of Synchro-Self-Compton sources: A self consistent modeling of TeV blazars' flare**

*Thursday, June 14, 2018 11:20 AM (20 minutes)*

**Presenter:** TRAMACERE, Andrea (ISDC)

**Session Classification:** The (Enrico) Fermi connection: particle acceleration, simulations, and theory

Contribution ID: 154

Type: **not specified**

## **Modelling blazar flaring using a time-dependent fluid jet emission model - an explanation for orphan flares and radio lags**

*Thursday, June 14, 2018 11:40 AM (20 minutes)*

**Presenter:** POTTER, William (University of Oxford)

**Session Classification:** The (Enrico) Fermi connection: particle acceleration, simulations, and theory

Contribution ID: 155

Type: **not specified**

## **Supermassive Black Hole Binary Candidates identified as blazars or quasars with periodic variability – prospects for multi-messenger astronomy (Invited)**

*Thursday, June 14, 2018 1:40 PM (30 minutes)*

**Presenter:** CHARISI, Maria (Caltech)

**Session Classification:** Jet signatures of super-massive black hole binaries and relation to low-frequency gravitational waves

Contribution ID: 156

Type: **not specified**

## **OJ287: Deciphering the “Rosetta stone of blazars”**

*Thursday, June 14, 2018 2:10 PM (20 minutes)*

**Presenter:** BRITZEN, Silke (Max Planck Institute for Radio Astronomy)

**Session Classification:** Jet signatures of super-massive black hole binaries and relation to low-frequency gravitational waves

Contribution ID: 157

Type: **not specified**

## **Evidence of a Supermassive Black Hole Binary system in PG 1553+11.3**

*Thursday, June 14, 2018 2:30 PM (20 minutes)*

**Presenter:** ABRAHAM, Zulema (Sao Paulo University)

**Session Classification:** Jet signatures of super-massive black hole binaries and relation to low-frequency gravitational waves

Contribution ID: 158

Type: **not specified**

## **Year-long quasi-periodicities of gamma-ray blazars: A cautious approach**

*Thursday, June 14, 2018 2:50 PM (20 minutes)*

**Presenter:** COVINO, Stefano (INAF - Brera Astronomical Observatory)

**Session Classification:** Jet signatures of super-massive black hole binaries and relation to low-frequency gravitational waves

Contribution ID: 159

Type: **not specified**

## **Blazars as sources of high-energy neutrinos (Invited)**

*Thursday, June 14, 2018 3:40 PM (30 minutes)*

**Presenter:** PETROPOULOU, Maria (Princeton University)

**Session Classification:** Particle content and connection to ultrahigh-energy cosmic rays and neutrinos



Contribution ID: 160

Type: **not specified**

## **Very High Energy gamma-ray detection by MAGIC from a direction coincident with the IceCube neutrino event**

*Thursday, June 14, 2018 4:10 PM (20 minutes)*

**Presenter:** BHATTACHARYYA, Wrijupan (DESY Zeuthen)

**Session Classification:** Particle content and connection to ultrahigh-energy cosmic rays and neutrinos

Contribution ID: 161

Type: **not specified**

## **On the Detection Potential of Short Blazar Flares for Current Neutrino Telescopes**

*Thursday, June 14, 2018 4:30 PM (20 minutes)*

**Presenter:** KRETER, Michael (University of Wuerzburg)

**Session Classification:** Particle content and connection to ultrahigh-energy cosmic rays and neutrinos

Contribution ID: **162**

Type: **not specified**

## **Blazars as neutrinos factories**

*Thursday, June 14, 2018 4:50 PM (20 minutes)*

**Presenter:** RIGHI, Chiara (University of Insubria)

**Session Classification:** Particle content and connection to ultrahigh-energy cosmic rays and neutrinos

Contribution ID: 163

Type: **not specified**

## **Modeling the electromagnetic and neutrino flux for the IceCube candidate source TXS 0506+056**

*Thursday, June 14, 2018 5:10 PM (20 minutes)*

**Presenter:** ZECH, Andrea (LUTH - Observatoire de Paris)

**Session Classification:** Particle content and connection to ultrahigh-energy cosmic rays and neutrinos

Contribution ID: 164

Type: **not specified**

## **Cores of blazars studied at unprecedented angular resolution (Invited)**

*Friday, June 15, 2018 9:00 AM (30 minutes)*

**Presenter:** KOVALEV, Yuri (Astro Space Center of Lebedev Physical Institute)

**Session Classification:** Jet collimation on Event-Horizon scales and jet launching

Contribution ID: 165

Type: **not specified**

## **Relationship between interstellar scintillation and intrinsic variability of blazars**

*Friday, June 15, 2018 9:30 AM (20 minutes)*

**Presenter:** KOAY, Jun Yi (Institute of Astronomy and Astrophysics, Academia Sinica)

**Session Classification:** Jet collimation on Event-Horizon scales and jet launching

Contribution ID: 166

Type: **not specified**

## **Exploring the the radio and GeV-TeV gamma-ray emission connection in Fermi blazars**

*Friday, June 15, 2018 9:50 AM (20 minutes)*

**Presenter:** LICO, Rocco (UniBo - INAF - Istituto di Radioastronomia)

**Session Classification:** Jet collimation on Event-Horizon scales and jet launching

Contribution ID: 168

Type: **not specified**

## **Connecting Blazar Kinematics to Supermassive Black Holes: Dynamical Imaging with the Event Horizon Telescope (Invited)**

*Monday, June 11, 2018 5:25 PM (30 minutes)*

**Presenter:** JOHNSON, Michael (Harvard University)

**Session Classification:** Gamma-ray linchpin: VHE Connections



Contribution ID: 169

Type: **not specified**

## **First Principles Understanding of Black Hole Accretion**

*Friday, June 15, 2018 11:30 AM (20 minutes)*

**Presenter:** MOSCIBRODZKA, Monika (Radboud University)

**Session Classification:** Jet collimation on Event-Horizon scales and jet launching

Contribution ID: 170

Type: **not specified**

## **Space-VLBI imaging of nearby radio galaxies with RadioAstron (Invited)**

*Friday, June 15, 2018 11:00 AM (30 minutes)*

**Presenter:** SAVOLAINEN, Toumas (Aalto University)

**Session Classification:** Jet collimation on Event-Horizon scales and jet launching

Contribution ID: 171

Type: **not specified**

## **Zooming into the jet launching region of the radio galaxy Cygnus A**

*Friday, June 15, 2018 12:10 PM (20 minutes)*

**Presenter:** BACH, UWE (Max-Planck-Institut for Radioastronomy)

**Session Classification:** Jet collimation on Event-Horizon scales and jet launching

Contribution ID: 172

Type: **not specified**

## **Probing the innermost regions of blazar jets at tens of microarcseconds through space and millimeter VLBI observations**

*Friday, June 15, 2018 2:00 PM (20 minutes)*

**Presenter:** GOMEZ, Jose L. (Instituto de Astrofísica de Andalucía (CSIC))

**Session Classification:** Jet collimation on Event-Horizon scales and jet launching

Contribution ID: 173

Type: **not specified**

## **Imaging the Innermost Jet Region of Radio Quasars 3C454.3 and OJ287**

*Friday, June 15, 2018 2:20 PM (20 minutes)*

**Presenter:** TRAIANOU, Thalia (Max Planck Institute for Radio Astronomy)

**Session Classification:** Jet collimation on Event-Horizon scales and jet launching

Contribution ID: 174

Type: **not specified**

## **The extreme blazar 0235+164 as seen by extensive ground and space radio observations**

*Friday, June 15, 2018 2:40 PM (20 minutes)*

**Presenter:** KUTKIN, Alexander (Astro Space Center - LPI)

**Session Classification:** Jet collimation on Event-Horizon scales and jet launching

Contribution ID: 175

Type: **not specified**

## **Time Variability of the Core-Shift Effect in the Blazar 3C454.3**

*Friday, June 15, 2018 3:00 PM (20 minutes)*

**Presenter:** CHAMANI, Wara (Aalto University - Metsahovi Radio Observatory)

**Session Classification:** Jet collimation on Event-Horizon scales and jet launching

Contribution ID: 176

Type: **not specified**

## **AGN physics from multiepoch core-shift measurements in a large sample of radio sources**

*Friday, June 15, 2018 3:50 PM (20 minutes)*

**Presenter:** PLAVIN, Alexander (Moscow Institute of Physics and Technology)

**Session Classification:** Jet collimation on Event-Horizon scales and jet launching



Contribution ID: 177

Type: **not specified**

## **Correlation between jet magnetic flux and jet power**

*Friday, June 15, 2018 4:10 PM (20 minutes)*

**Presenter:** NOKHRINA, Elena (Moscow Institute of Physics and Technology)

**Session Classification:** Jet collimation on Event-Horizon scales and jet launching

Contribution ID: 178

Type: **not specified**

## **The Properties of Parsec-Scale Blazar Jets**

*Friday, June 15, 2018 4:30 PM (20 minutes)*

**Presenter:** FINKE, Justin (NRL)

**Session Classification:** Jet collimation on Event-Horizon scales and jet launching

Contribution ID: 179

Type: **not specified**

## Closing Lecture

*Friday, June 15, 2018 4:50 PM (35 minutes)*

**Presenter:** URRY, Meg (Yale University)

**Session Classification:** Closing

Contribution ID: **186**

Type: **not specified**

## **The Cherenkov Telescope Array view of extra-galactic jetted sources**

*Tuesday, June 12, 2018 11:55 AM (20 minutes)*

**Presenter:** VERCELLONE, Stefano (INAF - Osservatorio Astronomico di Brera)

**Session Classification:** Gamma-ray linchpin: Fermi (and Beyond)

Contribution ID: **187**

Type: **not specified**

## **Spectral Energy Distributions of Blazar substructure**

*Friday, June 15, 2018 10:10 AM (20 minutes)*

**Presenter:** WAGNER, Stefan (LSW - University of Heidelberg)

**Session Classification:** Jet collimation on Event-Horizon scales and jet launching

Contribution ID: **188**

Type: **not specified**

## **Outstanding Problems in Blazar Astrophysics (Opening Lecture)**

*Monday, June 11, 2018 8:50 AM (35 minutes)*

**Presenter:** MARSCHER, Alan (Boston University)

**Session Classification:** Opening

Contribution ID: **189**

Type: **not specified**

## **Fermi, Astrophysics and ISM (Invited)**

*Wednesday, June 13, 2018 11:55 AM (30 minutes)*

**Presenter:** SHORE, Steven (University of Pisa)

**Session Classification:** Role of polarimetry, including X-ray and Gamma-ray polarimetry