

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, 11 June 2018 09:25 (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, 11 June 2018 09:55 (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, 11 June 2018 10:45 (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, 11 June 2018 11:05 (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, 11 June 2018 11:25 (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, 11 June 2018 11:45 (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, 11 June 2018 12:05 (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, 11 June 2018 14:00 (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, 11 June 2018 14:30 (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, 11 June 2018 14:50 (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, 11 June 2018 15:40 (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, 11 June 2018 16:05 (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, 11 June 2018 16:25 (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, 11 June 2018 16:45 (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, 11 June 2018 17:05 (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, 12 June 2018 08:45 (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, 12 June 2018 09:10 (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, 14 June 2018 12:00 (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, 12 June 2018 09:45 (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, 12 June 2018 10:55 (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, 12 June 2018 11:15 (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, 12 June 2018 11:35 (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, 12 June 2018 13:45 (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, 12 June 2018 14:05 (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, 12 June 2018 14:25 (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, 12 June 2018 14:45 (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, 12 June 2018 16:00 (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, 12 June 2018 16:20 (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, 12 June 2018 16:40 (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, 12 June 2018 17:00 (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, 12 June 2018 17:20 (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, 12 June 2018 17:40 (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, 13 June 2018 09:15 (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, 13 June 2018 09:35 (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, 13 June 2018 09:55 (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, 13 June 2018 08:45 (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, 13 June 2018 11:35 (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, 13 June 2018 10:55 (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, 13 June 2018 11:15 (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, 14 June 2018 08:45 (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, 14 June 2018 09:20 (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, 14 June 2018 09:50 (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, 15 June 2018 11:50 (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, 14 June 2018 10:10 (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, 14 June 2018 11:00 (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, 14 June 2018 11:20 (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, 14 June 2018 11:40 (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, 14 June 2018 13:40 (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, 14 June 2018 14:10 (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, 14 June 2018 14:30 (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, 14 June 2018 14:50 (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, 14 June 2018 15:40 (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, 14 June 2018 16:10 (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, 14 June 2018 16:30 (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, 14 June 2018 16:50 (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, 14 June 2018 17:10 (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, 15 June 2018 09:00 (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, 15 June 2018 09:30 (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, 15 June 2018 09:50 (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, 11 June 2018 17:25 (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, 15 June 2018 11:30 (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, 15 June 2018 11:00 (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, 15 June 2018 12:10 (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, 15 June 2018 14:00 (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, 15 June 2018 14:20 (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, 15 June 2018 14:40 (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, 15 June 2018 15:00 (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, 15 June 2018 15:50 (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, 15 June 2018 16:10 (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, 15 June 2018 16:30 (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, 15 June 2018 16:50 (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, 12 June 2018 11:55 (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, 15 June 2018 10:10 (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, 11 June 2018 08:50 (35 minutes)

Presenter: MARSCHER, Alan (Boston University)

Session Classification: Opening

Contribution ID: **189**

Type: **not specified**

Fermi, Astrophysics and ISM (Invited)

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

Presenter: SHORE, Steven (University of Pisa)

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