

Scientific Event Report

E **Research in Astrophysics from Space**

E1.11 **Activity of the Supermassive Black Hole and other Energetic Processes at the Galactic Center**

Main Scientific Organizer *Goldwurm, Andrea*

Deputy Organizer *Dogiel, Vladimir*

Sgr A* Quiescent and Flaring Emission

Chair: Goldwurm, Andrea

Date: Wed, Aug 03, 2016. Room: 3B32

E1.11-0001-16 14:00 - 14:30 (solicited)

Radiation physics from event horizon scales around Sgr A*

Dexter, Jason

E1.11-0002-16 14:30 - 15:00 (solicited)

Fifteen years of XMM–Newton and Chandra monitoring of Sgr A*: evidence for a recent increase in the bright flaring rate

De Marco, Barbara Team: X-ray flares Sgr A*

E1.11-0003-16 (WITHDRAWN) 15:00 - 15:15

Molecular hydrogen in the extreme environment central parsec of the Galaxy

Ciurlo, Anna

E1.11-0004-16 (WITHDRAWN) 15:15 - 15:30

Feeding Sgr A* from the Galactic centre star cluster: intermittent accretion and outflows

Cuadra, Jorge

Sgr A* and its close environment

Chair: Ponti, Gabriele

Date: Wed, Aug 03, 2016. Room: 3B32

E1.11-0005-16 (WITHDRAWN) 17:00 - 17:30 (solicited)

Resolving SgrA* at the Schwarzschild-radius scale with the Event Horizon Telescope

Blackburn, Lindy

E1.11-0006-16 (WITHDRAWN) 17:30 - 18:00 (solicited)

The infrared excess sources G1 and G2 and the variability of Sgr A*

Witzel, Gunther Team: UCLA Galactic Center Group

E1.11-0007-16 18:00 - 18:15

Clump formation through colliding stellar winds in the Galactic Center

Calderón, Diego

E1.11-0008-16 18:15 - 18:30

Dust Scattering Halo from an Eclipsing X-ray Binary at 1.5 arcmin from Sgr A*

Jin, Chichuan; Ponti, Gabriele; Haberl, Frank

X-ray Surveys of the Central Molecular Zone: hot gas, outflows and non-thermal emission

Chair: Chernyakova, Maria

Date: Thu, Aug 04, 2016. Room: 3B32

E1.11-0009-16 09:30 - 10:00 (solicited)

The XMM Galactic Center Survey

Ponti, Gabriele; Morris, Mark; Terrier, Regis; Haberl, Frank; Clavel, Maïca; Goldwurm, Andrea; Nandra, Kirpal

E1.11-0010-16 (WITHDRAWN) 10:00 - 10:30 (solicited)

Review of Suzaku Results on the Galactic Center

Nobukawa, Masayoshi; Uchiyama, Hideki; Nobukawa, Kumiko; Yamauchi, Shigeo; Koyama, Katsuji

E1.11-0011-16 (WITHDRAWN) 10:30 - 10:45

Contribution of low-energy cosmic rays to the neutral iron line emission along the Galactic ridge

Nobukawa, Kumiko; Tsuru, Takeshi; Koyama, Katsuji

E1.11-0012-16 (WITHDRAWN) 10:45 - 11:00

Diverse Origins of Galactic Center Non-thermal X-ray Filaments

Zhang, Shuo; Hailey, Chuck; Mori, Kaya; Nynka, Melania

X-ray Surveys of the CMZ: non-thermal emission and Sgr A* past activity

Chair: Cheng, Ks

Date: Thu, Aug 04, 2016. Room: 3B32

E1.11-0013-16 11:30 - 12:00 (solicited)

Reflection features in the Galactic Center and past activity of Sagittarius A*

Clavel, Maïca; Goldwurm, Andrea; Terrier, Regis; Morris, Mark; Ponti, Gabriele; Chuard, Dimitri; Jin, Chichuan

E1.11-0014-16 (WITHDRAWN) 12:00 - 12:30 (solicited)

Highlights from the NuSTAR Galactic Center Survey

Mori, Kaya; Hailey, Chuck; Zhang, Shuo

E1.11-0015-16 12:30 - 12:45

An X-ray view of Sagittarius C

Chuard, Dimitri; Terrier, Regis; Goldwurm, Andrea; Clavel, Maïca; Jin, Chichuan; Morris, Mark; Ponti, Gabriele

X and Gamma-ray Galactic Center surveys: non thermal emission, particle acceleration

Chair: Terrier, Regis

Date: Thu, Aug 04, 2016. Room: 3B32

E1.11-0016-16 (WITHDRAWN) 14:00 - 14:30 (solicited)

Prospects for Astro-H Observations of the Galactic Center

Nakashima, Shinya Team: ASTRO-H Galactic center target team

E1.11-0017-16 (WITHDRAWN) 14:30 - 14:45

Impact of Sgr B2's clumping structure on the reflected X-ray emission

Molaro, Margherita

E1.11-0018-16 14:45 - 15:00

Reconstruction of the history of the Galactic Center from X-ray and gamma-ray observations.

Chernyakova, Maria

E1.11-0019-16 15:00 - 15:30 (solicited)

Possible consequences of tidal disruption by supermassive black holes

Cheng, Ks; Dogiel, Vladimir

Gamma-ray GC surveys: particle acceleration and interactions

Chair: Dogiel, Vladimir

Date: Thu, Aug 04, 2016. Room: 3B32

E1.11-0020-16 17:00 - 17:15

A Hadronic Model of the Fermi Bubbles

Giacinti, Gwenael; Taylor, Andrew

E1.11-0021-16 17:15 - 17:45 (solicited)

The quasi-spherical excess of GeV gamma-rays around the Galactic Center

Malyshev, Dmitry

E1.11-0022-16 17:45 - 18:15 (solicited)

Very high energy observations of the Galactic Centre: recent results and perspectives with CTA

Terrier, Regis

E1.11-0023-16 18:15 - 18:30

Origin of the VHE cosmic rays excess in the Galactic Center

Jouvin, Lea; Terrier, Regis; Lemièrre, Anne

Poster Program

Author in Attendance: Thursday, 15:30 - 17:00, Poster area: B1 Poster Area

STW = Sunday, Tuesday, Wednesday / TFS = Thursday, Friday, Saturday

TFS-145 E1.11-0025-16

What X-ray polarimetry can teach us about the central supermassive black hole of the Milky Way galaxy

Marin, Frédéric; Muleri, Fabio; Soffitta, Paolo; Karas, Vladimir; Kunneriath, Devaky

TFS-146 E1.11-0026-16

Supernova remnants in the GC region

Asvarov, Abdul

TFS-147 E1.11-0028-16

A coordinate-independent characterization of a black hole shadow

Abdujabbarov, Ahmadjon

TFS-148 E1.11-0030-16

An ordinary supermassive black hole at the Galactic Center: pro and contra

Zakharov, Alexander

Poster Program

Author in Attendance: Friday, 15:30 - 17:00, Poster area: B1 Poster Area

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Poster Program

Author in Attendance: Saturday, 15:30 - 17:00, Poster area: B1 Poster Area

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