

Scientific Event Report

E **Research in Astrophysics from Space**

E1.4 **The Magnetar Link in Neutron Stars, Gamma Ray Bursts and Supernovae**

Main Scientific Organizer *Kouveliotou, Chryssa*

Deputy Organizer *Fryer, Chris*

Session 1. Magnetars: Introduction

Chair: Fryer, Chris

Date: Thu, Aug 04, 2016. Room: 3B42

E1.4-0001-16 09:30 - 10:00

Magnetic jets in long GRBs: jet stability, energy dissipation & the connection with the magnetar model

Bromberg, Omer

E1.4-0002-16 (WITHDRAWN) 10:00 - 10:30

Magnetar Emission Mechanisms

Harding, Alice

E1.4-0003-16 10:30 - 10:50

Swift/BAT and Fermi/GBM observations of SGR J1935+2154 bursts

Lin, Lin

Chair: Ertan, Unal

Date: Thu, Aug 04, 2016. Room: 3B42

E1.4-0004-16 (WITHDRAWN) 11:30 - 11:50

Suzaku study of the progenitor of the magnetar 1E 2259+586 and the associated supernova remnant CTB109

Nakano, Toshio; Makishima, Kazuo; Masuyama, Miyu; Furuta, Yoshihiro; Enoto, Teruaki; Murakami, Hiroaki; Toshikazu, Shigeyama

E1.4-0005-16 11:50 - 12:10

Temporal Study of Magnetar Bursts with Rossi X-ray Timing Explorer

Sasmaz Mus, Sinem; Gogus, Ersin; Kaneko, Yuki

E1.4-0006-16 (WITHDRAWN) 12:10 - 12:30

The featureless and non-variable optical spectral energy distribution of AXP 4U 0142+61

Muñoz-Darias, Teodoro

E1.4-0007-16 12:30 - 12:50

Plasma Magnetosphere of Oscillating and Rotating Neutron Stars in General Relativity

Ahmedov, Bobomurat; Morozova, Viktoriya; Zanotti, Olindo

Session 2. Magnetar Formation and Alternative Models

Chair: Kouveliotou, Chryssa

Date: Thu, Aug 04, 2016. Room: 3B42

E1.4-0008-16 (WITHDRAWN) 14:00 - 14:30

Core-collapse SNe and Magnetar Formation

Fryer, Chris

E1.4-0009-16 14:30 - 14:50

Fermi-LAT observation on magnetars and associated SNRs

Li, Jian; Rea, Nanda; Torres, Diego F.; De Ona Wilhelmi, Emma

E1.4-0010-16 (WITHDRAWN) 14:50 - 15:10

Magnetic massive stars as magnetar progenitors

Wade, Gregg

E1.4-0011-16 15:10 - 15:30

Neutron stars in high density environments

Asvarov, Abdul; Allahverdiyev, Ahad

Chair: Rowlinson, Antonia

Date: Thu, Aug 04, 2016. Room: 3B42

E1.4-0012-16 17:00 - 17:20

Single neutron star systems evolving with fallback discs

Ertan, Unal; Benli, Onur; Caliskan, Sirin; Alpar, Mehmet Ali; Trümper, Joachim E.

E1.4-0013-16 17:20 - 17:40

Mass–radius relation of strongly magnetized white dwarfs

Bera, Prasanta; Bhattacharya, Dipankar

E1.4-0014-16 17:40 - 18:00

Highly magnetized white dwarf as a possible alternate to neutron star to resolve shortcoming of magnetar model

Mukhopadhyay, Banibrata; Rao, A.R.; Das, Upasana; Subramanian, Sathyawageeswar; Bhattacharya, Mukul

E1.4-0015-16 18:00 - 18:30

Discussion

Kouveliotou, Chryssa

Magnetars - GRBs - SLSNs

Chair: Gogus, Ersin

Date: Fri, Aug 05, 2016. Room: 3B42

E1.4-0016-16 (WITHDRAWN) 09:30 - 10:00 (solicited)

Observational evidence for Magnetars in GRBs

Rowlinson, Antonia

E1.4-0017-16 (WITHDRAWN) 10:00 - 10:30

What powers GRBs?

Ramirez-Ruiz, Enrico

E1.4-0018-16 10:30 - 11:00

Discussion

Kouveliotou, Chryssa

Chair: Sasmaz Mus, Sinem

Date: Fri, Aug 05, 2016. Room: 3B42

E1.4-0019-16 (WITHDRAWN) 11:30 - 12:00

Superluminous supernovae powered by magnetars

Smartt, Stephen J.

E1.4-0020-16 12:00 - 12:20

Intermediate-luminosity events : bridge between CCSNe and SLSNe

Roy, Rupak

E1.4-0021-16 12:20 - 12:40

An observational overview of the millisecond magnetar scenario for long and short gamma-ray bursts

O'Brien, Paul; Gompertz, Ben

E1.4-0022-16 12:40 - 13:00

Discussion

Kouveliotou, Chryssa

Poster Program

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

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

TFS-212 E1.4-0023-16

Broadband Spectral Study of Magnetar Bursts

Kirmizibayrak, Demet; Sasmaz Mus, Sinem; Kaneko, Yuki; Gogus, Ersin

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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