

Sixteenth Marcel Grossmann Meeting

Tuesday, 6 July 2021

Gamma-Ray Burst Correlations: Observational Challenges and Theoretical Interpretation: Block 1 (06:30 - 09:30)

-Conveners: Liang Li; Maria Dainotti

time	[id] title	presenter
06:30	[1067] The X-ray fundamental plane of the Platinum Sample, the Kilonovae and the SNe Ib/c associated with GRBs and the fundamental plane in Fermi-LAT	DAINOTTI, Maria
07:00	[1072] Searching for Fermi Short Gamma-Ray Bursts with DDOTI and Tomo-e Gozen	WATSON, Alan
07:20	[1079] Follow-up observations of transients with optical telescopes	TOMINAGA, Nozomu
07:40	[1087] Relativistic Proton Instability and the Prompt to Afterglow Plateau Luminosity Ratio	KAZANAS, Demosthenes
08:00	break	
08:10	[1080] The Optical Two- and Three-Dimensional Fundamental Plane Correlations for More than 130 Gamma-Ray Burst Afterglows	YOUNG, Sam
08:30	[1077] Examining 2D Luminosity-Time Correlations for Gamma Ray Burst Radio Afterglows	LEVINE, Delina
08:50	[1078] GRB cosmology with the fundamental plane in optical and X-rays and feasibility of GRB samples for future cosmological constraints	NIELSON, Via
09:10	[165] The X-Ray Fundamental Plane of the Platinum Sample, the Kilonovae, and the SNe Ib/c Associated with GRBs	LENART, Aleksander

Wednesday, 7 July 2021

Gamma-Ray Burst Correlations: Observational Challenges and Theoretical Interpretation: Block 2 (06:30 - 09:30)

-Conveners: Maria Dainotti; Liang Li

time	[id] title	presenter
06:30	[555] GRB correlations and physical implications	ZHANG, Bing
07:00	[411] Cosmology through the E_p - i - Eiso correlation of Gamma-Ray Bursts	AMATI, Lorenzo
07:20	[497] Searching for strange quark planets	HUANG, Yong-Feng
07:40	[505] On the origin of very high-energy gamma-rays from GRBs	WANG, Xiang-Yu
08:00	[1070] Theory of plateau phase in GRBs	PE'ER, Asaf
08:20	break	
08:30	[854] The GRB plateau emission naturally explained within the classical "fireball" model	Dr DERELI-BÉGUÉ, Hüsne
08:45	[556] X-ray Plateaus in Gamma-Ray Burst Afterglows and Their Application in Cosmology	□, □
09:00	[157] Presenting backscattering dominated model for the prompt phase of GRBs to explain their key observational features	Dr VYAS, Mukesh Kumar
09:15	[1014] Remaining compact object during the collapse scenario: a neutrino approach	MORALES, Gibran

Friday, 9 July 2021

Gamma-Ray Burst Correlations: Observational Challenges and Theoretical Interpretation: Block 3 (06:30 - 09:30)

-Conveners: Liang Li; Maria Dainotti

time	[id] title	presenter
06:30	[341] The structure of Gamma Ray Bursts: beyond GRB 170817	Dr BENIAMINI, Paz
06:50	[1084] Evidence of extended emission in high-redshift short GRBs	DICHIARA, Simone
07:10	[221] A model for X-ray plateaux following short Gamma-Ray Bursts	STRANG, Lucy
07:30	[880] Gamma-Ray Bursts and magnetars in the multi-messenger era	BERNARDINI, Maria Grazia
07:50	[927] Short Gamma-Ray Bursts: situation and future perspectives	D'AVANZO, Paolo
08:10	[342] Diversity in supernovae associated with gamma-ray bursts	MORIYA, Takashi
08:30	[875] The photospheric origin of E_p - L_p and E_p - E_{iso} correlations in GRBs	ITO, Hirotaaka
08:50	[1069] Consequences of a hot thermal electron distribution in GRB afterglows	Dr WARREN, Donald
09:10	[961] Modelling flares, breaks, and energetic photons in GRB Fermi-LAT Light curves	Dr FRAIJA, Nissim
09:10	[1076] Exploring the behaviour of long gamma-ray bursts with intrinsic afterglow correlations	Dr OATES, Sam