Massimiliano De Pasquale, PhD

Dipartimento di Scienze Matematiche e Informatiche, Scienze Fisiche e Scienze della Terra (MIFT), Universita' di Messina, Polo Papardo, Via F. S. D'Alcontres 31, 98166 Messina, Italia.
e-mail: masdepasquale@unime.it Tel.: +39 (0)90 6765462

Educazione ed Impieghi

Settembre 2024 - presente: Professore Associato di Astrofisica, dell'Universita' di Messina, Gruppo 02/PHYS-05 / B.

2021 - 2024 : Ricercatore a Tempo Determinato di tipo B **su chiamata** dell'Universita' di Messina. FIS/05, 02/C1.

2016 – 2021: Assistant Professor a contratto all'Universita' di Istanbul (IU), Dipartimento di Astronomia e Scienze dello Spazio. Contratto rinnovato annualmente. Insegnamento anche presso il Dipartimento di Scienze Forestali dell'Università di Istanbul (IU) da 2019 al 2021, sempre come Assistant Professor a contratto.

2015 – 2016: Research Associate – Swift UV/Optical Telescope (UVOT) Instrument Scientist at Mullard Space Science Laboratory, University College London (MSSL-UCL), UK.

2014 – 2015: Posizione post-doctoral (assegnista) per la missione Swift all'Istituto di Astrofisica Spaziale e Fisica Cosmica di Palermo.

2013 – 2014: Research Associate – Swift/UVOT Instrument Scientist at MSSL-UCL.

2011 – 2012: Post-Doctoral Research Scholar alla Universita' del Nevada, Las Vegas, USA.

2004 – 2011: Swift Post-Doctoral Research Assistant fellow at MSSL-UCL.

2003 – 2004: Assegnista, Istituto di Astrofisica e Planetologia Spaziali di Roma.

2003: Collaborazione professionale esterna con Istituto di Astrofisica Spaziale e Planetologia Spaziali di Roma.

2003: Attività di insegnamento - Coadiutore didattico corsi Fisica 1 e Fisica 2 presso il Dipartimento di Ingegneria dell'Università degli Studi "Tor Vergata" di Roma.

1999 – 2002: Dottorato di ricerca (con borsa) Fisica conseguito presso l'Università di Roma "La Sapienza". Giudizio finale: "ottimo".

1993 – 1999: Laurea in Fisica 110/110 e lode presso l'Università di Messina.

Principali campi di lavoro

Sorgenti cosmiche Gamma-ray Bursts (GRBs): "central engine", Fisica dell'emissione delle prime fasi e specialmente delle fasi successive, struttura e geometria dei getti, connessione tra GRBs e supernovae, uso di queste sorgenti per studiare, dal punto di vista cosmologico, l'ambiente locale e le galassie ospiti dei GRBs, anche ad alto redshift.

Ricerca di controparti elettromagnetiche di sorgenti compatte di onde gravitazionali (GWs).

Capacita' tecnico-scientifiche

Riduzione di dati e fotometria: BeppoSAX Medium Energy e Low Energy Concentrator Spectrometers (MECS, LECS), Swift X-ray Telescope (XRT) e UV/Optical Telescope.

Utente proficient degli Ftools software (inclusi specifici tools della missione Swift), compresi Xspec e QDP.

Compiti di osservazione e decisionali in "real time" ed a successive riprese di GRBs e sorgenti compatte di GWs.

Proficiente in Fortran F77 e Basic. Conoscenza di lavoro di IDL e Python.

Organizzazione, coordinamento e/o partecipazione in gruppi di ricerca (ultimi 10 anni).

Proposals approvati in qualita' di Principal Investigator (negli ultimi 3 anni):

XMM AO-23: "Deep into unknown territory: the GRB 221009A late X-ray emission", 2024-presente

Precedenti proposals approvati in qualita' di Principal Investigator:

XMM AO-13: "Into unknown territory: late XMM-Newton observations of GRB130427A", 2014-2015

XMM AO-13: "Late X-ray observations to unveil non-Forward Shock components in GRB afterglows", 2014-2015

XMM AO-14: "Into Unknown Territory: late XMM-Newton observations of GRB130427A", 2015-2016

XMM AO-14: "Late X-ray observations to unveil the non-Forward Shock components in GRB afterglows", 2015-18

XMM AO-17: "Late X-ray observations to unveil non-Forward Shock components in GRB afterglows", 2018-21

Fondatore e capo del gruppo "Follow-up of GW Transients from Anatolia", con astronomi Turchi. Telescopio T100 del TÜBİTAK National Observatory (Turchia), "Kilonovae as electromagnetic counterparts of gravitational wave detections", proposals accettati dal 2017 al 2020.

James Clerk Maxwell Telescope (JCMT): "IR observations of the exceptional host of GRB 130907A as a way to shed light on the mechanism of GRB production", 2017.

Swift/XRT "GRB 150818A as an intermediate event between the low-luminosity, shock break-out powered GRBs and ultra-relativistic, high luminosity GRBs.", 2015.

Swift/XRT: "GRB 150206A and the nature of central engine in GRBs.", 2015.

Principali e recenti proposals approvati in qualita' di Co-Investigator.

Proposals approvati, ruolo di Co-I, come membro della collaborazione CIBO, al Telescopio Nazionale Galileo (TNG), AOT 44, 45, 46, corrispondenti ai semestri 2021/22, 2022, 2022/23) "Gamma-ray bursts as a testing bench from the local Universe to the reionisation era".

Proposal approvato, ruolo di Co-I, come membro della collaborazione CIBO, al Telescopio Nazionale Galileo (TNG): "Exploring the Universe with Gamma-ray Burst afterglows", AOT 47 e 50, "long term programme" proposals che coprono i semestri 2023, 2023-2024, 2024, 2024/2025, 2025, 2025/2026; 17.5 h allocate/semestre.

Proposals approvati al TNG, ruolo di Co-I come membro della collaborazione GRAWITA, AOT 46, "hunting for kilonovae in the local Universe with TNG" che copre il semestre 2022/2023; "Follow-up of electromagnetic counterparts of gravitational wave sources at TNG during O4", AOT 47 & 50, "long term programme" proposals che coprono i semestri 2023, 2023-2024, 2024, 2024-2025, 2025, 2025-2026. 28 h allocate/semestre.

Precedenti proposals approvati, ruolo di Co-I, come membro della collaborazione CIBO, al Telescopio Nazionale Galileo (TNG): AOT 36, 37 (come DDT), 39, 40, 41, 43, corrispondenti ai semestri 2017/18, 2018 (come DDT), 2019, 2019/20, 2020, 2021, "Exploring the Universe with Gamma-ray Burst Afterglows".

DDT al TNG durante l'AOT 37 di cui sopra: "Waiting for the cow: follow-up observations of the possible orphan afterglow AT2018cow"; 2018, 4 h con gli strumenti DOLoReS and PAOLO; CO-I come membro CIBO.

DDT al TNG: "One shaft of light that shows the way: the bright optical counterpart of GRB 190114C and its supernova", 2019; 6 h con lo strumento DOLoReS, CO-I come membro CIBO.

Precedenti proposals approvati, ruolo di Co-I in qualita' di membro della collaborazione CIBO, al Rapid Eye Mount (REM) Telescope: "Prompt emission and early afterglows of gamma-ray bursts", AOT 36, 37, 38, 39, 40, 41, 42, 43 (corrispondenti ai semestri 2017/2018, 2018, 2018/2019, 2019, 2019/2020, 2020, 2020/2021, 2021). 100 ore ciascuno.

Recenti proposal approvati, ruolo di Co-I in qualita' di membro della collaborazione CIBO, al Rapid Eye Mount (REM) Telescope: "Prompt emission and early afterglows of gamma-ray bursts", AOT 44, 45, 46, 47, 48, 49, 50, 51, 52, 53 (corrispondenti ai semestri 2021/2022, 2022, 2022/2023, 2023, 2023/2024, 2024, 2024/2025, 2025, 2025/2026). 100 ore ciascuno.

Recenti proposals approvati, come Co-I in qualita' di membro della collaborazione CIBO, poi GRAWITA: "REM contribution to the world-wide search for an electromagnetic counterpart of a gravitational wave trigger", AOT 46, 47, 48, 49, 50, 51, 52, 53 (corrispondenti ai semestri 2022/2023, 2023, 2023/2024, 2024, 2024/2025, 2025, 2025/2026).

Proposals approvati all'Atacama Large Millimeter Array (ALMA), ruolo di Co-I.
Cycle 0 (2011-2012), "Probing Obscured Star Formation in GRB Host Galaxies."
Cycle 4, 5, 6, 7 (2016/2017, 2017/2018, 2018/2019, 2019/2021), "A precision test of Gamma-ray Burst Afterglow models"; in qualità di Co-I come membro della collaborazione Stargate.
In qualità di Co-I, membro della collaborazione ENGRAVE, Cycle 7 (2019/2021), "The properties of compact-object mergers detected by LIGO and VIRGO", and Cycle 10 (2023/24) "The properties of compact-object mergers detected by LIGO, VIRGO and KAGRA".

Proposals approvati al Very Large Telescope (VLT), Periodi 102, 103, 104, 105 (corrispondenti ai semestri 2018/2019, 2019, 2019/2020, 2020) "ENGRAVE observations of gravitational wave

counterparts". Goal di studiare le controparti elettromagnetiche di sorgenti di onde gravitazionali, come kilonovae e possibili afterglows. Partecipazione Co-I come membro ENGRAVE.

Proposals approvati al Very Large Telescope (VLT), Periodo 108 (corrispondente al semestri 2021/2022 - presente) "New opportunities for the counterparts of gravitational wave sources at the VLT " - goal di studiare le controparti elettromagnetiche di sorgenti di onde gravitazionali, come kilonovae e possibili afterglows. Partecipazione Co-I come membro ENGRAVE. Il periodo di osservazione P108 e' stato esteso fino al termine del run O4 (fine 2025) dei telescopi per onde gravitazionali.

VLT Periodi da 102 a 105 (corrispondenti ai semestri 2018/2019, 2019, 2019/2020, 2020), "Hunting for the most exotic gamma-ray bursts: New insights into the transient Universe". Partecipazione Co-I come membro STARGATE.

VLT Periodi da 106, 108, 109 (corrispondenti ai semestri 2020/2021, 2021/2022, 2022), "Hunting Gamma-ray Bursts: insight into and from the brightest cosmic beacons". Partecipazione come membro STARGATE. Scopo: studiare gli afterglows e l'ambiente circumburst.

VLT periodi 110 a 113 (2022/2023, 2023, 2023/2024, 2024), "Gamma-ray Bursts: Physics at the extremes". Long term proposal. Partecipazione come membro STARGATE. Scopo: studiare gli afterglows e l'ambiente circumburst.

VLT periodi 114, 115, 116, and 117 (2024/2025, 2025, 2025/2026, 2026/2027) "High energy cosmological transients in the new era of SVOM and EP". Partecipazione come membro STARGATE. Scopo: studiare gli afterglows e l'ambiente circumburst.

VLT periodi 106 e 108 (corrispondente a semestre 2020/2021 e 2021/2022), "Exploiting the wide-field properties of the VST to catch optical counterparts of Fermi short GRBs". Partecipazione Co-I come membro STARGATE e CIBO.

ePESSTO: "The extended Public ESO Spectroscopic Survey of Transient Objects", 5-year large program, con uso di vari telescopi europei e non. Partecipazione allo Science Group GRBs; 2018, 2019.

ePESSTO+: "The (advanced) extended Public ESO Spectroscopic Survey of Transient Objects", Continuazione di ePESSTO. Partecipazione allo Science Group GRBs; 2020 - presente.

ePESSTO+ collaboration "A public spectroscopy survey of transient objects", periodi 111, 112, 113, 114, 115, 117 (2023-2025, 2025/2027), con uso degli osservatori NTT e VLT.

HST Ciclo 29 (2021-22) "The afterglow and host of GRB 210905A at z=6.3". Co-I come membro STARGATE.

Precedenti proposals approvati, ruolo di Co-I come membro collaborazione ENGRAVE, all'Hubble Space Telescope (HST), Cicli 26, 27 (2018-2019 e 2019-2020), "New insights from gravitational waves combined with electromagnetic light" eCiclo 28 (2020-2021) "Compact binary mergers: R-process kilonovae and ultra-relativistic jets" (18 orbite in Ciclo 28).

Co-I in qualità di membro della collaborazione CIBO, dei proposals sui Gamma Ray Bursts approvati al Large Binocular Telescope:

"Exploring the late-time evolution of gamma-ray burst afterglows" 2016/2017, 2017/18, 2018/19, 2019/20, 2021/22, 2022/23, 2023/24, 2024/25

*"*Probing the Epoch of Reionization with Gamma-Ray Burst" 2016/2017, 2017/18, 2018/2019

"Exploring late-time evolution of Long GRB Afterglows from Massive Stars and Compact Object Mergers*"* 2025/26.

Co-I in qualità di membro della collaborazione GRAWITA, dei proposal sulle Gravitational Waves approvati al Large Binocular Telescope:
*"*Spectroscopic and photometric ToO follow-up of gravitational wave events*"* 2016/17, 2018/19, 2022/24 (LongTerm), 2024/25
*"*Hunting for kilonovae with LBT*"* 2025/26

Swift: co-I per il proposal « Key project: the detection and monitoring of electromagnetic counterparts of gravitational waves sources with Swift in O3» for Cycle 14, 2018-19 (budget: $100.000).

James Webb Space Telescope (JWST), Co-I di proposal approvato "Mapping emission and absorption line metallicities onto the same universal scale", Cycle 1, 2022-23, 25 ore.

JWST, Co-I in qualita' della collaborazione STARGATE, DDT, "Revealing the nature of the exceptional GRB 230307A: nearby nucleosynthesis or a primordial explosion?", 5 ore.

JWST, Co-I in qualita' della collaborazione STARGATE, proposal approvato "Indentifying the progenitors of a complete sample of long gamma-ray bursts", Cycle 3, 2024-25, 16 ore.

Australia Telescope Compact Array "The properties of compact-object mergers detected by LIGO and VIRGO", 55.5 hours, 2020, Co-I as part of the ENGRAVE consortium.

National Computer Systems Cartesius and Lisa Compute Cluster, Netherlands, "Population synthesis of Gamma-ray bursts", Co-I, 2019-2020, 500000 CPU Hours.

Ulteriori responsabilita', collaborazioni ed attività professionali.

Membro del Team della missione Swift (2004 - presente), dei consorzi di ricerca ENGRAVE (2018 - presente), STARGATE (2019 - presente), ed ePESSTO, ePESSTO+ (gruppo GRBs, 2018 - presente), del Gruppo Italiano per osservazioni di burst nell'ottico (CIBO, 2018 - presente), collaborazione con il team della missione *BeppoSAX* (2001 - 2006), membro (2017 - presente) di gruppi di lavoro "WG 4: Compact Objects" e "WG 5: Transients and multi-messenger astrophysics" della missione ESA *NewATHENA*, membro (2017 - 2025) del Working Group 4 "Observatory Science" and 5 "Synergy with GWs" della missione e-XTP, "enhanced X-ray Timing and Polarimetry", membro (2016 - presente) dei gruppi di lavoro "SWG2: Gravitational waves and multi-messenger Astrophysics" e "SWG1: Exploring the early Universe with GRBs" per la missione *THESEUS*. Membro (febbraio 2023 - presente) della collaborazione GRAvitational Wave Inaf TeAm (GRAWITA). Associatura ad Istituto Nazionale di Astrofisica (INAF) da aprile 2022 a presente.

Abilitazione da parte del Ministero dell'Educazione, Universita' e Ricerca per poter applicare per posizioni di professore associato in università italiane, valida dal 16/10/2017.

Referee for per *Astronomy & Astrophysics (*2006 - presente*), The Astrophysical Journal (*2012-presente*)*, *Proceedings of Science (*2017 - presente*)*. Membro dell'Editorial Board della rivista *Galaxies* (2017 - presente).

Reviewer per: NASA Post-doctoral Program (2012 - presente), UK PPARC, Particle Physics and Astronomy Research Council Panel (successivamente UK Space and Technology Facility Council; 2007 - 2012), mid-Cycle HST proposals (2015 - presente), East Asian Observatory per assegnare tempo macchina al JCMT (2017 - presente), Swift Guest Investigator Program (2011).

Membro dello Scientific Organizing Committee (SOC) per la "Gamma-ray Bursts: illuminating the extreme and distant Universe" Symposium at European Week of Astronomy and Space Science (EWASS) 2016, Athens.
SOC Chair for the "GRBs, energetic SNe & compact object mergers: the extreme physics of stellar deaths from low to high redshift" Special Session at the EWASS 2019, Lyon.
SOC member for the "Gamma-Ray Bursts and Fast X-ray Transients in the SVOM and Einstein Probe Era" Special Session at the EWASS 2025, Cork, Ireland.

Principali e recenti Progetti, Grants e Awards

2019 - 2023 PI of the 3-year TÜBITAK Project 119F073 "Understanding the multi-messenger physics of neutron star mergers and gamma-ray bursts". Fondi per circa 430000 Lire Turche (approssimativamente 60000 euro all'epoca), per assunzione di personale e macchinario. "PI-ship" interrotta dal 2021 per fuoriuscita dalla Turchia, continua la consulenza "esterna". Relazione finale consegnata nel 2023.

2018 – 2021 Principal Investigator del Progetto "Study of GRB Physics with the ESA next flagship mission Athena" alla Istanbul University, in collaborazione con l'Universita' di Amsterdam, con incluse spese per viaggio e pubblicazione. Termina la "PI"-ship formale causa fuoriuscita dalla Turchia, continua la "direzione esterna". Relazione finale consegnata nel 2022.

2021 - Fondi FFABR da parte dell'Universita' di Messina.

2023 - Fondi INAF di missione per partecipare a Frascati Workshop 2023 - "Multifrequency behaviour of high-energy sources XIV'", in Palermo (vedi in seguito).

2023 - Fondi FFABR da parte dell'Universita' di Messina.

Precedenti:

2007-12 Rolling Grant da UK Particle Physics and Astronomy Research Council: fondi per 5 years di salario e ricerca.

Divulgazione Scientifica (solo ultimi 11 anni)

2013 MSSL Astronomy Blog - "The brightest explosion detected by Swift"

2016 MSSL Astronomy Blog - "The exceptionally long follow-up of the X-ray afterglow of GRB 130427A: what it means for GRB Physics."

2017 "Professor of Astronomy and Space Sciences Massimiliano De Pasquale and colleagues detected gravitational waves in gamma rays" (in Turkish); siti web della IU e della sua Facolta' of Scienze.

2025, gennaio "Serata al chiaro di Luna" - collaborazione ad osservazioni pubbliche con strumentazione astronomica della volta celeste.

Esperienza di insegnamento, tutoring e mentoring (solo gli ultimi 19 anni)

Esperienze di insegnamento da settembre 2021:

2022-2024 Titolare insegnamento della materia “Introduzione all’Astrofisica”, 48 ore, 6 CFU, per studenti di Laurea Triennale (Dipartimento MIFT; CdL in Fisica), all’Universita’ di Messina.
Totale: 144 ore / A.A., meta’ delle quali di Teoria e meta’ di Esercitazioni in classe.

2024 – Titolare insegnamento della materia “Astrofisica”, 48 ore, 6 CFU, per studenti di laurea magistrale (Dipartimento MIFT; CdL in Fisica), all’Universita’ di Messina.
24 ore di Teoria, 24 ore di Esercitazioni in classe.

2021 – 2025 Titolare insegnamento della materia “Astronomia”, articolato nei moduli “Astronomia Nautica” ed “Astronomia ed Astrofisica”, 48 e 48 ore, 6 e 6 CFU, per studenti di Laurea Magistrale (CdL in Scienze e Logistica del Traporto Marittimo ed Aereo, Dipartimento di Ingegneria) all’Universita’ di Messina. Totale: 96 h / A.A., meta’ delle quali di Teoria e meta’ di Esercitazioni in classe.

2022 – Tutor della Sig.na Roberta Panto', studente laurea triennale in Fisica presso l'Università di Messina, per un corso di Acquisizione Basi Astronomia Moderna. Tutoraggio di 100 ore, 3 CFU.

2025 - **Relatore della Tesi di Laurea Magistrale per il CdL in Scienze della Navigazione e del Trasporto Marittimo ed Aereo** dello studente Gino Andrea Viola, Universita’ di Messina.

2026 - **Correlatore alle tesi di Dottorato di Ricerca in Fisica** di Mrs. Qian Zhong, Universita’ di Messina.

Correlatore alle tesi di Dottorato di Ricerca in Astronomia del Dr. M. Diyaddin Ilhan, presso l'Università di Istanbul, Turchia. Titolo della Tesi: *Study of Gamma-ray Burst Afterglow Emission from Compact Object Mergers that Produce Gravitational Waves.* Inizio nel 2018*.* Difesa con successo ad agosto 2023.

Precedenti esperienze di insegnamento:

2019 – 2021 Insegnamento di Fisica I e II per studenti di laurea triennale presso il Dipartimento di Scienze Forestali e per studenti di laurea triennale al Dipartimento di Astronomia e Scienze Spaziali della Universita’ di Istanbul (IU; 48 e 24 h / semestre rispettivamente).

2017 (A.A. 2016/17) – 2019 Insegnamento di Fisica I e II per studenti di laurea triennale al Dipartimento di Astronomia e Scienze Spaziali della Universita’ di Istanbul (36 h / semestre).

2017 (A.A. 2016/17) – 2021 Corso semestrale sui GRBs (~12 h/semestre) per studenti di laurea e di dottorato al Dipartimento di Astronomia e Scienze Spaziali della Universita’ di Istanbul.

2016 Lezioni di Astronomia generale in supplenza per studenti di laurea triennale all’University College London.

2015. Serie di lezioni su Astronomia dei GRBs al Mullard Space Science Laboratory per post-doc auditorium.

2012 Lezione di Fisica generale II in supplenza per studenti di laurea triennale alla University of Nevada, Las Vegas.

2010. Serie di lezioni sull’Astronomia dei GRBs per studenti di Dottorato al Mullard Space Science Laboratory.

2006 - 2010 Tutoring di studenti di scuole secondarie al Mullard Space Science Laboratory.

2005 - 2010 Mentoring informale della studentessa di PhD in Astronomia Dr. S.R. Oates al Mullard Space Science Laboratory.

Docenza e membro di Consiglio di Corso di Laurea

Docente al corso di Laurea Magistrale in Scienze e Logistica del Trasporto Marittimo ed Aereo e Componente del Consiglio di Corso di Laurea Magistrale, Universita' di Messina, da ottobre 2021 - presente.

Docente al corso di Laurea Triennale in Fisica e Componente del Consiglio di Corso di Laurea Triennale, Universita' di Messina, da ottobre 2022 - 2024

Docente al corso di Laurea Magistrale in Fisica e Componente del Consiglio di Corso di Laurea Magistrale, Universita' di Messina, da novembre 2024.

Docente (contratto rinnovato annualmente) all'Universita' di Istanbul, Turchia, da novembre 2016 all'agosto 2021.

Talks e seminari dati a conferenze e istituti di ricerca (mostrati gli ultimi anni; 39 in totale)

Da settembre 2021:

"The z=6.3 GRB 210905A", **invited** talk at Frascati Workshop 2023 - "Multifrequency behaviour of high-energy sources XIV'", tenutosi in Palermo, Italy, giugno 2023 (su invito). Proceedings con referee accettati e pubblicati.

"On Long GRB progenitors", **invited** talk at Frascati Workshop 2025 - "Multifrequency behaviour of high-energy sources XIV'", tenutosi in Palermo, Italy, giugno 2025 (su invito). Proceedings con referee accettati e pubblicati.

Precedenti talks/conferenze (ultimi 12 anni) :

"GRB130831A: life and death of a magnetar at z=0.5", talk al "The Structure and Signals of Neutron Stars, from Birth to Death", Firenze, Italia, 2014.

"Unraveling the energetics of a magnetar-powered burst: GRB 130831A", seminario all'istituto di Astrofisica Spaziale di Milano, 2015.

"GRB 130831A: Rise and demise of a magnetar at z = 0.5", talk al 14th M. Grossman Meeting, Roma, 2015.

"GRB 130831: Rise and fall of a magnetar at z = 0.5", talk al "New Results in X-ray Astronomy" Workshop, 2015, Leicester, UK.

"Challenging the forward shock model with the 80 Ms follow up of the X-ray afterglow of GRB 130427A", talk all'European Week of Astronomy and Space Science, Atene, luglio 2016.

"Multi-wavelength observation of long GRBs and host galaxies", solicited talk alla 41st COSPAR Scientific Assembly, luglio-agosto 2016, Istanbul, Turkey (assemblea cancellata).

"The 80 Ms X-ray light-curve of the exceptional GRB 130427A", seminario al Trieste Astrophysical Observatory, Trieste, Italia, settembre 2016.

"The 80 Ms X-ray light-curve of the extraordinary GRB 130427A", seminario al Dipartimento di Astronomia e Scienze Spaziali della Universita' di Istanbul, settembre 2016.

"The 80 Ms Follow Up of the X-ray Afterglow of GRB 130427A: Consequences for the Proposed Models and the Forward Shock Scenario", talk al Eighth Huntsville Gamma-Ray Burst Symposium, Huntsville, USA, ottobre 2016.

"A strong test for the forward shock model in GRBs: the 90 Ms follow up of the X-ray afterglow of GRB 130427A", talk alla conferenza "THE X-RAY UNIVERSE 2017", Roma, giugno 2017

"The GRB130427A afterglow as a test for GRB models", **invited** talk al Frascati Workshop 2017 – 'Multifrequency behaviour of high-energy sources XII', Palermo, Italia, giugno 2017 (su invito)

"GRB Afterglows – a review", **invited** talk at Frascati Workshop 2019 - "Multifrequency behaviour of high-energy sources XIII'", held in Palermo, Italy, June 2019 (su invito; partecipazione non possibile).

Pubblicazioni con referee.

Secondo l'archivio Smithsonian Astrophysical Observatory / NASA Astrophysics Data System (ADS), al 2024 ho ***152 pubblicazioni con referee su riviste internazionali, per 12 delle quali sono primo autore*** *(24 includendo proceedings a conferenze peer-reviewed). Di queste, l'articolo "Swift and Fermi Observations of the Early Afterglow of the Short Gamma-Ray Burst 090510", publicato su The Astrophysical Journal Letters, ha 155 citazioni.* ***Sono co-autore di 7 pubblicazioni su Nature e 2 su Science.***
In totale, ho 14144 (al 04/03/2027) citazioni a lavori di cui sono autore o co-autore ed ***il mio indice di Hirsch e' 48 (fonti: NASA Astrophysics Data System), 44 (secondo Scopus), 44 (secondo Web of Science).***

De Pasquale M., Piro L., et al. "A Comparative Study of the X-Ray Afterglow Properties of Optically Bright and Dark Gamma-ray Bursts" 2003, ApJ, 592, 1018.

Stratta G., Fiore F., Antonelli L.A., …, **De Pasquale, M**. "Absorption in Gamma-ray Burst Afterglows" 2004, ApJ, 608, 846.

Gendre B., Piro L., **De Pasquale M**. "The *XMM-Newton* observation of GRB 040106: Evidence for an afterglow in a wind environment" 2004, A&A, 424L, 27-30.

Nicastro L., in't Zand J., …, **De Pasquale M.**, et al. "Multiwavelength study of the very long GRB 020410" 2004, A&A, 427, 44581.

Piro L., **De Pasquale M**., et al. "Probing the Environment in Gamma-ray Bursts: The Case of an X-Ray Precursor, Afterglow Late Onset, and Wind Versus Constant Density Profile in GRB 011121 and GRB 011211" 2005, ApJ, 623, 314.

Gendre B., Piro L., **De Pasquale M**. "Systematic analysis of X-ray afterglows observed with *XMM-Newton* and *Chandra*" 2005, Proceedings of "Fourth Rome Workshop on Gamma Ray Burst in the afterglow era" conference, Il nuovo Cimento C, 28, 509.

Gehrels N., Sarazin S. D., Blustin A., **De Pasquale M**.; et al. "A short γ-ray burst apparently associated with an elliptical galaxy at redshift z = 0.225" 2005, Nature, 437, 851.

Still M., Roming P., Mason K…, **De Pasquale M**., et al. "*Swift* UVOT Detection of GRB 050318" 2005, ApJ, 635, 1187, 22.

Brown P., Holland S., Beardmore A., …, **De Pasquale M.,** et al. “Ultraviolet, Optical, and X-Ray Observations of the Type Ia Supernova 2005am with *Swift*” 2005, ApJ, 635, 1192.

Gendre B., Piro L., **De Pasquale M.** “A systematic analysis of X-ray afterglows of GRB observed by *XMM-Newton*” 2006, proceedings of 35th COSPAR Scientific Assembly (2004), 2268.

De Pasquale M., Beardmore A.P., Barthelmy S.D., et al. “*Swift* and optical observations of GRB 050401” 2006, MNRAS, 365, 1031.

Blustin A.J., Band D., Barthelmy S., …, **De Pasquale, M**., et al. “*Swift* Panchromatic Observations of the Bright Gamma-ray Burst GRB 050525A” 2006, ApJ, 637, 901.

Mason K.O., Blustin A., Boyd P., … **De Pasquale M.**, et al. “Prompt Optical Observations of GRB 050319 with the *Swift* UVOT” 2006, ApJ, 639, 311.

Melandri A., Gendre B., Antonelli L. A., … **De Pasquale M**., et al. “Multi-wavelength analysis of the field of the dark burst GRB 031220” 2006, A&A 451, 27.

Schady P., Mason K.O., Osborne J.P., … **De Pasquale M.**, et al. *Swift* UVOT Observations of X-Ray Flash 050406” 2006, ApJ, 643, 276.

De Pasquale M., Grupe D., Poole T.S, et al. “*Swift* observations of GRB050712” 2006, MNRAS, 370, 1859.

De Pasquale M., Piro L., Gendre B., et al. “The *BeppoSAX* catalog of GRB X-ray afterglow observations” 2006, A&A, 455, 813.

Oates S., Mundell C.; Piranomonte S., … **De Pasquale M**., et al. “Anatomy of a dark burst - the afterglow of GRB 060108” 2006, MNRAS, 372, 327.

Schady P., Mason K.O., Page, M., …, **De Pasquale M.,** et al. “Dust and gas in the local environments of gamma-ray bursts” 2006, Proceedings of “*Swift* and GRBs: Unveiling the Relativistic Universe”, NCim B, 121, 1197.

Roming P., Schady P., Fox D., … **De Pasquale M**., et al. “Very Early Optical Afterglows of Gamma-ray Bursts: Evidence for Relative Paucity of Detection” 2006, ApJ, 652, 1416.

De Pasquale M., Oates S., Beardmore A., et al. “Energy injection in GRB afterglows: The case of Swift GRBs 050401, 050801 and 050802” 2006, Proceedings of “*Swift* and GRBs: unveiling the relativistic universe”, NCimB 121, 1471.

Gendre B.; Corsi A.; Piro L.; **De Pasquale M.**, “The *BeppoSAX*, *XMM-Newton* and *Chandra* X-ray afterglow catalog” 2006, Proceedings of “*Swift* and GRBs: Unveiling the Relativistic Universe” NCimB, 121, 1485.

Poole T. S., **De Pasquale M.,** Grupe D., et al. “*Swift* observations of GRB050712” 2006, proc. of “*Swift* and GRBs: Unveiling the Relativistic Universe”. NCimB, 121, 1567.

Oates S., Mundell C., Piranomonte S., …, **De Pasquale M**., et al. “Probing the nature of dark GRBs with the exceptional burst GRB 060108” 2006, proceedings of “*Swift* and GRBs: Unveiling the Relativistic Universe”, NCimB, 121, 1547.

Holland S., Boyd P., Gorosabel J., …, **De Pasquale M.**, et al. “Optical, Infrared, and Ultraviolet Observations of the X-Ray Flash XRF 050416A” 2007, AJ, 133, 122.

Schady P., Mason K.O., Page M., De Pasquale M., et al. “Dust and gas in the local environments of Gamma-ray Bursts” 2007, MNRAS 377, 273.

De Pasquale M., Oates S., Page M., et al. “Early afterglow detection in the Swift observations of GRB050801” 2007, MNRAS 377, 1638.

Page K., Willingale R., Osborne J., …, **De Pasquale M.**, et al. "GRB 061121: Broadband Spectral Evolution through the Prompt and Afterglow Phases of a Bright Burst" 2007, ApJ, 663, 1125.

De Pasquale M., Oates S., Beardmore A., et al. “Energy injection in GRB afterglows: the cases of Swift GRBs 050401, 050801 and 050802” 2007, “The multicolored landscape of compact objects and their explosive origins”, AIP Conference Proceedings, 924, 437.

Oates S.; Mundell C.; Piranomonte S., …, D**e Pasquale M**, et al. “Understanding the Nature of Dark Bursts with the Afterglow of GRB 060108” 2007, “The multicolored landscape of compact objects and their explosive origins”, AIP Conference Proceedings, 924, 449.

Oates S., **De Pasquale M.**, Page M., et al. “The two component afterglow of Swift GRB050802” 2007, MNRAS 380, 270.

Schady P.; **De Pasquale M.**, Page M., et al. “Extreme properties of GRB061007: a highly energetic or a highly collimated burst?” 2007, MNRAS 380, 1041.

Poole T., Breeveld A., Page M., …, **De Pasquale M.**, et al. “Photometric calibration of the Swift ultraviolet/optical telescope” 2008, MNRAS, 383, 627.

Starling R., O'Brien P., Willingale R., … **De Pasquale M.**, et al. “Swift captures the spectrally evolving prompt emission of GRB070616” 2008, MNRAS, 84, 504.

Schady P., **De Pasquale M.**, Page M., et al. “Extreme Properties of GRB 061007: a highly energetic or a highly collimated burst?” 2008 “GAMMA-RAY BURSTS 2007” AIP Conference Proceedings, 1000, 200.

De Pasquale M., Oates S.; Page M., et al. “Challenging the current model for the GRB canonical afterglow lightcurve.” 2008, “GAMMA-RAY BURSTS 2007” AIP Conference Proceedings, 1000, 463.

Schady P., Mason K. O., Page M., **De Pasquale, M.**, et al. “Gas-to-Dust Ratios in GRB Host Galaxies” 2008, “GAMMA-RAY BURSTS 2007” AIP Conference Proceedings, 1000, 505.

Soderberg A., Berger E., Page K., …, D**e Pasquale M.**, et al. “An extremely luminous X-ray outburst at the birth of a supernova” 2008, Nature, 453, 469.

Morgan A., Vanden Berk D., Roming P., …, **De Pasquale M.**, et al. “Optimal Co-Addition of Imaging Data for Rapidly Fading Gamma-ray Burst Afterglows” 2008, ApJ, 683, 913.

Roming P., Koch T., Oates S., … ; **De Pasquale M**., et al. “The First Swift Ultraviolet/Optical Telescope GRB Afterglow Catalog” 2009, ApJ, 690, 163.

De Pasquale M., Evans P., Oates S., “Jet breaks at the end of the slow decline phase of Swift light curves” 2009, MNRAS, 392, 153.

De Pasquale M., Evans P., Oates S., et al. “Jet breaks at the end of the plateau phase of Swift GRB lightcurves” 2009, “Probing Stellar Populations out to the distant Universe”, AIP Conference Proceedings, 1111, 379.

Oates, S., Page M., Schady, P., **De Pasquale M.**, et al. “A statistical study of Gamma-ray Burst afterglow measured by the Swift Ultraviolet Optical Telescope” 2009, MNRAS, 395, 490.

Kuin N., Landsman W., Page M., …, **De Pasquale M.**, et al. “GRB 081203A: Swift UVOT captures the earliest ultraviolet spectrum of a gamma-ray burst” 2009, MNRAS Letters, 395, 21.

Salvaterra R., Della Valle M., Campana, S., …, **De Pasquale M.**, et al. “GRB 090423 reveals an exploding star at the epoch of re-ionization” 2009, Nature, 461, 1258.

Curran P., Evans P., **De Pasquale M.**, et al. “On the electron energy distribution index of Swift GRBs” 2010, ApJL, 716, 135.

De Pasquale M., Schady P., …, Fermi GBM and LAT collaborations “Swift and Fermi observations of the early afterglow of the short Gamma-Ray Burst 090510” 2010, ApJ Letters, 709, 146.

Schady P., Page M., Oates S., …, **De Pasquale M.**; et al. “Dust and Metal Column Densities in Gamma-ray Burst Host Galaxies” 2010, MNRAS, 401, 2773.

Starling R., Wiersema K., Levan A., …, **De Pasquale M.,** et al. “Discovery of the nearby long, soft GRB 100316D with an associated supernova” 2011, MNRAS, 411, 2792.

Swenson C.; Maxham A.; Roming P., …, **De Pasquale M.** “GRB 090926A and Bright Late-time Fermi Large Area Telescope Gamma-ray Burst Afterglows” 2010, ApJL 718, 14.

Breeveld A.A., Curran P.A., Hoversten E.A., …, **De Pasquale M.**, et al. “Further Calibration of the Swift ultraviolet/optical telescope” 2010, MNRAS, 406, 1687.

De Pasquale M., Oates S., Roming P., Page M., et al. on behalf of the Swift/UVOT team “Chromatic evolution in GRB afterglows” 2010, “The Shocking Universe”, Italian Physical Society Conference Proceedings, 102, 141.

Oates S., Page M., Schady P., **De Pasquale M.**, et al. “A Statistical Comparison of the Optical/UV and X-ray Afterglows of Gamma-ray Bursts using the Swift Ultra-violet Optical and X-ray Telescopes” 2011, MNRAS, 412, 561.

Marshall F., Antonelli L.A., Burrows D., …, **De Pasquale M.**, et al. “The Late Peaking Afterglow of GRB 100418A” 2011, ApJ, 727, 132.

Curran P., Starling R., van der Horst A., …, **De Pasquale M.**, et al. “Testing the blast wave model with Swift GRBs” 2011, AdSR, 47, 1362.

Den Herder J., Piro L., Ohashi T., …, **De Pasquale M.**, et al. “ORIGIN: metal creation and evolution from the cosmic dawn” 2012, Experimental Astronomy, Springer.

Racusin J., Oates S., Schady P., …, **De Pasquale M.**, et al. “Fermi and Swift Gamma-ray Burst Afterglow Population Studies” 2011, ApJ, 738, 138.

De Pasquale M., Evans P., Oates S., et al. “Can a double component outflow explain the X-ray and optical lightcurves of Swift Gamma-Ray Bursts?” 2011, AdSR, 48, 1411.

Thöne C., de Ugarte Postigo A., Fryer C., …, **De Pasquale M.**, et al. “The unusual gamma-ray burst GRB101225A from a helium star merger at redshift 0.33” 2011, Nature, 480, 72.

Schady P., Dwelly T., Page M., …, **De Pasquale M.**, et al. “The dust extinction curves of gamma-ray burst host galaxies” 2012, A&A, 537, 15.

Holland S., **De Pasquale M.**, et al. “GRB 081029: A Gamma-ray Burst with a Multi-component Afterglow” 2012, ApJ, 745, 41.

Brown P.J., Dawson K.S., **De Pasquale M.**, et al. “A Swift Look at SN 2011fe: The Earliest Ultraviolet Observations of a Type Ia Supernova” 2012, ApJ, 753, 22.

Zheng W.; Shen R. F., Sakamoto T., …, **De Pasquale M.**, et al. “Panchromatic observations of the textbook GRB 110205A: constraining physical mechanisms of prompt emission and afterglow” 2012, ApJ, 751, 90.

Oates S., Bayless A., Stritzinger M., …, **De Pasquale M.**, et al. “Multiwavelength observations of the Type IIb supernova 2009mg” 2012, MNRAS, 412, 561.

De Pasquale M., Kuin N., Oates S., et al. “GRB100814A as a member of the growing set of bursts with sudden optical rebrightening”, Proceedings of “Fermi-Swift 2012 GRB conference” 2012, PoS 68.

Oates S., Page M., **De Pasquale M.** et al., “An intrinsic correlation between GRB optical/UV afterglow brightness and decay rate”, Proceedings of “Fermi-Swift 2012 GRB conference” 2012, Proceedings of Science, Volume 152, 60.

Oates S., Page M., **De Pasquale M.,** et al. “A correlation between intrinsic brightness and average decay rate of Swift UVOT GRB optical/UV light curves” 2012, MNRAS Letters, 426, 86.

Swenson C., Roming P., **De Pasquale M.**, et al. "GRB Flares: UV/Optical Flaring (Paper I)" 2013, ApJ, 774, 2.

De Pasquale M., Schulze S., Oates S., et al. “Physical properties of rapidly-decaying afterglows” 2013, Proceedings. of “Gamma-ray Bursts: 15 years of GRB afterglows”, Spain. EAS Pub. Series, Vol 61, 217.

Stratta G.; Gendre B; Atteia J.L., …, **De Pasquale M.**, et al. “The ultra-long GRB 111209A - II. Prompt to afterglow and afterglow properties” 2013, ApJ, 779, 66.

Page M.J., Kuin N.P.M., …., **De Pasquale M.,** et al. “The use and calibration of read-out streaks to increase the dynamic range of the Swift Ultraviolet/Optical Telescope” 2013, MNRAS, 436, 1684.

Maselli A., Melandri A., Nava L., …, **De Pasquale M**, et al. “GRB130427A: a Nearby Ordinary Monster” 2014, Science, 343, 48.

de Ugarte Postigo A., Thoene C., Rowlinson A., …, **De Pasquale M.**, et al. “Spectroscopy of the short-hard GRB 130603B. The host galaxy and environment of a neutron star merger” 2014, A&A, 563, 62.

M. De Pasquale, N.P. Kuin, S. Oates, et al. “The optical rebrightening of GRB100814A: an interplay of forward and reverse shocks?” 2015, MNRAS, 449, 1024.

Brown P.J., Kuin P., … **De Pasquale M.**, et al. “Ultraviolet Observations of Super-Chandrasekhar Mass Type Ia Supernova Candidates with Swift UVOT” 2014, ApJ, 787, 29.

Symeonidis M., Oates S.R., **De Pasquale M.**, et al. “Herschel/PACS observations of the host galaxy of GRB 031203” 2014, MNRAS Letters, 443, 124.

P.J. Brown, M.T. Smitka, …, **M. De Pasquale**, et al. Swift Ultraviolet Observations of Supernova 2014J in M82: Large Extinction from Interstellar Dust 2015, ApJ, 805, 74.

Kuin, N.P.M.; Landsman, W.; Breeveld, A.A.; …; **De Pasquale, M.** “Calibration of the Swift-UVOT ultraviolet and visible grisms” 2015, MNRAS, 449, 2514.

S.R. Oates, J. Racusin, **M. De Pasquale**, et al., “Exploring the behaviour of long gamma-ray bursts with intrinsic afterglow correlations” 2015, Proceedings of Science, Proceedings of “Swift: 10 Years of Discovery” (SWIFT 10), Volume 233, 94.

M. De Pasquale, S.R. Oates, J.L. Racusin, et al. “GRB 130831A: birth and death of a magnetar at z=0.5” 2015, Proceedings of Science, Proceedings of “Swift: 10 Years of Discovery” (Swift 10), Volume 233, 071.

S.R. Oates, J.L. Racusin, **M. De Pasquale**, et al. “Exploring the canonical behaviour of long gamma-ray bursts using an intrinsic multi-wavelength afterglow correlation.” 2015, MNRAS, 453, 4121.

M. De Pasquale, S. Oates; J. Racusin; et al. “The central engine of GRB 130831A and the energy breakdown of a relativistic explosion” 2016, MNRAS, 455, 1027.

J.L. Racusin, S. Oates, **M. De Pasquale**, D. Kocevski “A Correlation between the Intrinsic Brightness and Average Decay Rate of Gamma-Ray Burst X-Ray Afterglow Light Curves” 2016, ApJ, 826, 45.

M. De Pasquale, M.J. Page, D.A. Kann, et al. “The 80 Ms follow-up of the X-ray afterglow of GRB 130427A challenges the standard forward shock model” 2016, MNRAS 462, 1111.

D’Aì A., Evans P. A., Burrows D. N., …, **De Pasquale M.**, et al. “Evidence for the magnetar nature of 1E 161348-5055 in RCW 103” 2016, MNRAS, 463, 2394.

De Pasquale M.; Page M.; Kann D.A.; et al. “Challenging the Forward Shock Model with the 80 Ms Follow up of the X-ray Afterglow of Gamma-Ray Burst 130427A” 2017, Proceedings of “EWASS 2016”, Galaxies, 5, 6.

Oates S., Racusin J., **De Pasquale M.**, Kocevski D., Page M., et al. “Exploring the Behaviour of Long Gamma-Ray Bursts with Intrinsic Afterglow Correlations: log L200s - α>200s” 2017, Proceedings of “EWASS 2016”, Galaxies, 5, 4.

M. De Pasquale, M. Page, D. Kann, et al. “GRB 130427A afterglow: a test for GRB models” 2017, Proceedings of “XII Multifrequency Behaviour of High Energy Cosmic Sources Workshop (MULTIF2017)”, Proceedings of Science, Volume 306, 71

Roming P.W.A., Koch T.S., Oates S.R., …, **De Pasquale, M.**, et al. “A Large Catalog of Homogeneous Ultra-Violet/Optical GRB Afterglows: Temporal and Spectral Evolution” 2017, ApJS, 228, 13.

S. Kim, S. Schulze, … **M. De Pasquale,** et al. “ALMA and GMRT constraints on the off-axis gamma-ray burst 170817A from the binary neutron star merger GW170817” 2017, ApJ Letters, 850, 21

Abbott B.P., Abbott R., …, **De Pasquale M**., et al. “Multi-messenger Observations of a Binary Neutron Star Merger”, 2017, ApJL, 848, 12

Evans P.A., Cenko S.B., Kennea J.A., …, **De Pasquale M**., et al. “Swift and NuSTAR observations of GW170817: Detection of a blue kilonova” 2017, Science, 358, 1565.

Schulze S.; Krühler T.; Leloudas G., …, **De Pasquale M.**, et al. “Cosmic evolution and metal aversion in superluminous supernova host galaxies“ 2018, MNRAS 473, 1258

Amati L., O’Brien P., Götz D., …, **De Pasquale M**., …, et al. “The THESEUS space mission concept: science case, design and expected performances” 2018, AdSpR, 62, 191.

Stratta G., Ciolfi R., Amati L., …, **De Pasquale M**., et al. “THESEUS: a key space mission concept for Multi-Messenger Astrophysics” 2018, AdSpR, 62, 662.

D’Elia V., Campana S., D’Ai A., **De Pasquale M.**, Emery S., et al., “GRB 171205 / SN 2017iuk: a local low-luminosity gamma-ray burst” 2018, A&A, 619, 66.

De Ugarte Postigo A., Thoene C.C., Bolmer J., ..., **De Pasquale, M.**, et al. “X-Shooter and ALMA spectroscopy of GRB 161023A – A study of metals and molecules in the line of sight towards a luminous GRB” 2018, A&A 620, 119.

Resmi L., Schulze S., Ishwara-Chandra C.-H., …, **De Pasquale M.**, et al. “ Low frequency view of GW 170817/GRB 170817A with the Giant Metrewave Radio Telescope” 2018, ApJ 867, 57.

Oates S.R., Motta S., Beardmore A.P., … **De Pasquale M.**, et al. “Swift UVOT observations of the 2015 outburst of V404 Cygni“ 2019, MNRAS, 488, 4843.

in’t Zand J.J.M., Bozzo E., Qu J.L., … **De Pasquale M.**, et al. “Observatory science with eXTP”, 2019, SCPMA 62, 29506

N.P.M. Kuin, K. Wu, S. Oates, …, **M. De Pasquale, et al.** “Swift spectra of AT2018cow: A White Dwarf Tidal Disruption Event?” 2019, MNRAS, 487, 2505

M. De Pasquale “The host galaxies of short GRBs as probes of their progenitor properties” , 2019, Galaxies Special Issue “Observations and Theory of Short GRBs at the Dawn of the Gravitational Wave Era”, 7, 30.

S. Emery, M. Page, A. Breeveld, …, **M. De Pasquale**, et al. “The early optical afterglow and non-thermal components of GRB 060218” 2019, MNRAS 484, 5484.

Ashall C.; Mazzali P.A., Pian E., … **De Pasquale M.**, et al. “GRB 161219B/SN2016jca: a powerful stellar collapse” 2019, MNRAS, 487, 5824

Page M.J., Oates S.R., **De Pasquale M.**, et al. “A study of gamma-ray burst afterglows as they first come into view of the Swift Ultraviolet and Optical Telescope” 2019, MNRAS, 488, 2855.

Ilhan M. D. & **De Pasquale M.** “Two-component jet of GRB 170817 with BOXFIT at 80 Mpc” 2019, AIP Conference Proceedings, 2178, 030020

Heintz K.E., Bolmer J., Ledoux C., …, **De Pasquale M**., et al. “New constraints on the physical conditions of the H_2 – bearing GRB-host damped Lyman-α absorbers” 2019, A&A, 629, 131.

Klingler N.J.; Kennea J.A., Evans P., …, **De Pasquale M.**, et al. “Swift-XRT Follow-up of Gravitational-wave Triggers in the Second Advanced LIGO/Virgo Observing Run” 2019, ApJS, 245, 15.

MAGIC collaboration, …, **De Pasquale M**., et al.“Observation of Inverse Compton emission from a long γ-ray burst” 2019, Nature, 575, 459.

Melandri A., Malesani D. B., Izzo L., …, **De Pasquale M**., et al. “GRB 171010A/SN 2017htp: a GRB-SN at z = 0.33" 2019, MNRAS 490, 5366.

de Ugarte Postigo, A.; Thöne C.C.; Martín S., …, **De Pasquale M.**, et al. “GRB 190114C in the nuclear region of an interacting galaxy. A detailed host analysis using ALMA, the HST, and the VLT” 2020, A&A, 633, 68.

Page K.L.; Evans P.A.; Tohuvavohu A., …, **De Pasquale M.** et al. “Swift-XRT follow-up of gravitational wave triggers during the third aLIGO/Virgo observing run” 2020, MNRAS, 499, 3459.

The Fermi team, … **De Pasquale M.**, et al. “Fermi and Swift Observations of GRB 190114C: Tracing the Evolution of High-energy Emission from Prompt to Afterglow” 2020, ApJ, 890, 9.

Klingler N.J.; Lien A.; Oates S.R., …, **De Pasquale M**., et al., “Swift Multi-wavelength follow-up of LVC S200224ca and the implications for Binary Black Hole Mergers” 2021, ApJ, 907, 97.

ENGRAVE team, …, **De Pasquale M**., et al. “Observational constraints on the optical and near-infrared emission from the neutron star-black hole binary merger S190814bv” 2020, A&A, 643, 113.

J.-B. Vielfaure, S.D. Vergani, J. Japelj, …, **M. De Pasquale**, et al. “Lyman continuum leakage in faint star-forming galaxies at redshift z = 3 - 3.5 probed by gamma-ray bursts” 2020, A&A, 614, 30.

Gupta R., Oates S.R., Pandey S.B., …, **De Pasquale M**., et al. “GRB 140102A: insight into prompt spectral evolution and early optical afterglow emission” 2021, MNRAS 505, 4086

Pubblicazioni con referee da settembre 2021.

Oates S.R., Marshall F.E., Breeveld A.A., …, **De Pasquale M.**, et al. “Swift/UVOT follow-up of Gravitational Wave Alerts in the O3 era” 2021, MNRAS, 507, 1296

Tanvir N., Le Floc’h E., Christensen L., …, **De Pasquale M.**, et al. “Exploration of the high-redshift universe enabled by THESEUS” 2021, Experimental Astronomy, 52, 219

Ciolfi, R., Stratta, G., Branchesi, M., ..., **De Pasquale, M.**, et al., "Multi-messenger astrophysics with THESEUS in the 2030" 2021, Experimental Astronomy, 52, 245

Melandri, A., Rizzo, L., Pian E., ..., **De Pasquale, M**., et al. "The supernova of the MAGIC gamma-ray burst GRB 190114" 2022, A&A, 659, 39

Rossi A., Rothberg B., Palazzi E., ..., **De Pasquale M.**, et al "The peculiar short-duration GRB 200826A and its supernova" 2022, ApJ, 932, 1

Rossi A., Fredericks D.D., Kann D.A., …, **De Pasquale M.**, et al., “A blast from the infant Universe: the very high-z GRB 210905A” 2022, A&A, 665, 125

Wang X.-G., Chen Y.-Z., Huang X.-L., …, **De Pasquale M.**, et al. “A study of afterglow electromagnetic cascade radiation” 2022, ApJ, 939, 39

Rastinejad J.C., Gompertz B.P., Levan, A.J, …, **De Pasquale M.**, et al. “A kilonova following a long-duration gamma-ray burst at 350 Mpc” 2022, Nature, 612, 223.

Ferro M., Bravo R., D’Avanzo P., …, **De Pasquale M.**, et al. "A search for the afterglows, kilonovae, and host galaxies of two short GRBs: GRB 211106A and GRB 211227A” 2023, A&A, 678, A142

Levan A.J.; Lamb G.P., Schneider B., …, **De Pasquale M.**, et al. “The first James Webb Space Telescope of a GRB afterglow: no bright supernova in observations of the brightest GRB of all time, GRB 221009A” 2023, ApJL, 946, 28.

Williams M.A., Kennea J.A, Dichiara S., …, **De Pasquale M.**, et al. “GRB 221009A: Discovery of an exceptionally rare Nearby and Energetic Gamma-Ray Burst” 2023, ApJL, 946, 24.

Saccardi A., Vergani S.D., De Cia A., …, **De Pasquale M.**, et al. “Dissecting the interstellar medium of a z=6.3 galaxy. X-shooter spectroscopy and HST imaging of the afterglow and environment of the Swift GRB 210905A” 2023, A&A, 671, 84.

de Wet S., Izzo L., Groot P.J., …, **De Pasquale M.,** et al. “The ultra long GRB 220627A at z = 3.08” 2023, A&A, 677, 32.

Heintz K.E., De Cia A., Thoene C.C., …, **De Pasquale M.**, et al. “The cosmic build-up of dust and metals. Accurate abundances from GRB-selected star-forming galaxies at 1.7 < z < 6.3” 2023, A&A, 679, A91.

Zhu Z.-P., Lei W.-H., Malesani D., …, **De Pasquale M.**, et al. “Optical and Near-Infrared Observations of the distant but bright “New Year’s Burst” GRB 220101A” 2023, ApJ, 959, 118.

De Pasquale M. “Contributions of the *Swift* / UV Optical Telescope to the study of short Gamma-ray Bursts” 2023, Universe, 10, 5

Levan A.J., Gompertz B.P., Salafia O.M., …, **De Pasquale M.**, et al. “Heavy-element production in a compact object merger observed by JWST” 2024, Nature, 626, 737

Hussenot-Desenonges T., Wouters T., Guessoum N., …, **De Pasquale M.,** et al. “Multi-band analyses of the bright GRB 230812B and the associated SN2023pel” 2024, MNRAS, 530, 1

Oates S.R., Kuin N.P.M., Nicholl M., …, **De Pasquale M.**, et al. “Swift/UVOT discovery of Swift J221951-484240: a UV luminous ambiguous nuclear transient” 2024, MNRAS, 530, 1688 , DOI: 10.1093/mnras/stae795

Schady P., Yates R.M., Christensen L., …, **De Pasquale M.**, et al. “Comparing emission and absorption gas-phase metallicities in GRB host galaxies at z = 2-4 using JWST” 2024, MNRAS, 529, 2807.

Agüí-Fernandez J.F., de Ugarte Postigo A., Thöne C.C., …, **De Pasquale M.**, et al. “Varying linear polarisation in the dust-free GRB 210610B” 2024, A&A accepted, DOI: 10.48550/ArXiv/2403.02312

M. De Pasquale, on behalf of a larger collaboration, “GRB 210905A at z = 6.3: a powerful blast from the past” 2024, Proceedings of Science, Volume 447, 70, Proceedings of “Multifrequency Behaviour of High Energy Cosmic Sources - XIV (MULTIF2023)” Workshop, Palermo.

Sun T.-R.; Geng J.-J., Yan, J.-Z., …, **De Pasquale M.**, et al., “GRB 240529A: A Tale of Two Shocks”, 2024, Astrophysical Journal Letters, 976, 20

Ronchini S., Bala, S., Wood, J., …, **De Pasquale M.**, et al., “Constraining Possible γ-Ray Burst Emission from GW230529 Using Swift-BAT and Fermi-GBM”, 2024, The Astrophysical Journal Letters, 970, 14.

Pugliese S., Saccardi A., D’Elia V., …, **De Pasquale M.**, et al., “Rapid Response Mode observations of GRB 160203A: Looking for fine-structure line variability at z = 3.52”, 2024, Astronomy & Astrophysics, 690, A35.

Thöne C.C., de Ugarte Postigo A., Izzo, L., …, **De Pasquale M.**, et al., “The host of GRB 171205A in 3D: A resolved multiwavelength study of a rare grand-design spiral GRB host”, 2024, Astronomy & Astrophysics, 690, A66

Fausey H.M.; Vejlgaard S.; van der Horst A.J., …, **De Pasquale M.**, et al. “Neutral fraction of hydrogen in the intergalactic medium surrounding high-redshift gamma-ray burst 210905A”, 2025, Monthy Notices of The Royal Astronomical Society, 536, 2839

Fausey H.M.; Vejlgaard S.; van der Horst A.J., …, **De Pasquale M**., et al. “Panning for gold with the Neil Gehrels Swift Observatory: an optimal strategy for finding the counterparts to

gravitational wave events", 2025, Monthy Notices of The Royal Astronomical Society, 536, 2857

Raman G., Ronchini S., Delaunay J., …, **De Pasquale M**., et al. "Swift-BAT GUANO Follow-up of Gravitational-wave Triggers in the Third LIGO–Virgo–KAGRA Observing Run", 2025, The Astrophysical Journal, 980, 207

Brivio R., Campana S., Covino S., …, **De Pasquale, M.**, et al. "A comprehensive broadband analysis of the high-redshift GRB 240218A", 2025, Astronomy & Astrophysics, 695, 239

van Dalen J.N.D.; Levan A.J.; Jonker P.G., …, **De Pasquale, M.**, et al. "The Einstein Probe Transient EP240414a: Linking Fast X-Ray Transients, Gamma-Ray Bursts, and Luminous Fast Blue Optical Transients", 2025, The Astrophysical Journal Letters, 982, L47.

Raman G., Ronchini S., Delaunay, J., …, **De Pasquale, M.**, et al., "Swift-BAT Guano Follow-up of Gravitational-wave Triggers in the third LIGO-Virgo-KAGRA Observing Run, 2025, The Astrophysical Journal, 980, 207

Eyles-Ferris R.A.J., Evans P.A., Breeveld A.A., …, **De Pasquale, M.**, et al., "Panning for gold with the Neil Gehrels Swift Observatory: an optimal strategy for finding the counterparts to gravitational wave events", 2025, 536, 2857

Fausey H.M., Vejlgaard S., van der Horst A.J., …, **De Pasquale, M.**, et al., "Neutral fraction of hydrogen in the intergalactic medium surrounding high-redshift gamma-ray burst 210905A", 2025, 536, 2839

"On the progenitors of LGRBs", proceedings del Workshop "Multifrequency Behaviour of High Energy Cosmic Sources - XV" (MULTIF2025) 9-14 June, 2025, Mondello, Palermo, Italy - accettati per la pubblicazione.

Con *referee*, ma in lingua Turca soltanto:

M. Diyaddin Ilhan, T. Güver, and **M. De Pasquale** "Determination of Gamma-ray Burst Afterglow Physical Parameters", 2023, Turkish Journal of Astronomy and Astrophysics, 4, 39.

Altre pubblicazioni.

Barna' R., D'Amico V., De Pasquale D., **De Pasquale M.,** et al. "About Parametrization of Cerenkov light from showers: analysis of different approach" July 1999 Internal Memo for the NEMO Collaboration – National Institute of Nuclear Physics (INFN) Messina, Italy.

Piro L., Colasanti L., Costa E., …, **De Pasquale M**., et al. "X-Ray Survey with High Spectral Resolution Microcalorimeters" 2003, proceedings of "XEUS – studying the evolution of the hot universe, held at MPE Garching, 2002, Edited by G. Hasinger, T. Boller, and A.N. Parmer, MPE Report 281, p. 303.

Soffitta P., **De Pasquale M.**, Piro L., Costa E., et al. "The transition between the main event and the afterglow: BeppoSAX" 2004, proceedings. of "Third Rome Workshop on Gamma-ray Bursts in the Afterglow Era" ASP Conference Series, Vol. 312, p. 23. Edited by M. Feroci, F. Frontera, N. Masetti, and L. Piro.

M. De Pasquale, L. Piro, E. Costa, et al. "Properties of dark and optically bright Gamma-Ray Bursts of *BeppoSAX*" 2004, proceedings. of "Third Rome Workshop on Gamma-ray Bursts in the Afterglow Era", ASP Conference Series, Vol. 312, p. 205. Edited by M. Feroci, F. Frontera, N. Masetti, and L. Piro.

Ivanushkina M., Breeveld A., Poole T., …, **De Pasquale, M.**, et al. “On-orbit calibration of the *Swift* Ultraviolet/Optical Telescope (UVOT)” 2005, proceedings. of “UV, X-Ray, and Gamma-Ray Space Instrumentation for Astronomy XIV” SPIE conference, 5898, 383.

Breeveld A., Poole T., James C., …, **De Pasquale M.**, et al. “On-orbit calibration of the Ultraviolet/ Optical Telescope (UVOT) on *Swift*: part 2” 2005, proceedings. of “UV, X-Ray, and Gamma-ray Space Instrumentation for Astronomy XIV” SPIE conference, 5898, 391.

Gendre B., Corsi A., **De Pasquale M.**, Piro, L., et al. ”A catalog of Gamma-ray Burst X-ray afterglows” 2005, “Semaine de l'Astrophysique Francaise”, EdP-Sciences, Conference Series, 507.

Gendre B., Corsi A., Piro L., **De Pasquale M.** “A catalog of X-ray afterglows observed by *BeppoSAX*, *XMM-Newton* and *Chandra*” 2006, proceedings. of “GAMMA-RAY BURSTS IN THE *SWIFT* ERA: Sixteenth Maryland Astrophysics Conference”, AIP Conference Proceedings, 836, 428.

De Pasquale M., Poole T., Zane S., et al. “*Swift* observations of GRB050712” 2008, proceedings of “11th Marcel Grossmann Meeting on General Relativity”, World Scientific, 1947.

Oates S. R., Page M. J., Schady P., **De Pasquale M.**, et al. “A Statistical Comparison of the Optical/UV and X-ray GRB Afterglows Observed using the *Swift* UVOT and XRT” 2011, AIP, 1358, 154.

Holland S. T., **De Pasquale M.**, Mao J., et al. “GRB 081029: Understanding Multiple Afterglow Components” 2011, AIP, 1358, 130.

Schady P., Dwelly T., Page M. J., … **De Pasquale M.,** et al. “Dust extinction curves of GRB host galaxies”, 2012, Memorie della Società Astronomica Italiana Supplementi, vol. 21, p. 113-120, proceedings. of “GRBs as probes from the progenitors environment to the high redshift Universe” Conference, Italy.

Gendre B., Stratta G., Atteia J.L., …; **De Pasquale, M.**, et al. “The diversity of progenitors and emission mechanisms for ultra-long bursts” 2013, EConf Proceedings, paper 19, C1304143, proc. of “7th Huntsville Gamma-Ray Burst Symposium, GRB 2013”.

Feroci M., den Herder J.W., … **De Pasquale M.**; et al. “The Large Observatory for X-ray Timing”, proceedings of SPIE, 2014, 9144, 20.

Amati L., Stratta G., Atteia J.-L, …, **De Pasquale M**., et al. “Probing the emission physics and weak/soft population of Gamma-Ray Bursts with *LOFT*” 2015, White Paper in Support of the Mission Concept of the Large Observatory for X-ray Timing (*LOFT*), arXiv:1501.02772

Feroci M., Bozzo E., Brandt S., …, **De Pasquale M**., et al., “The *LOFT* mission concept: a status update”, 2016, SPIE 9905, 1

Amati L., O’Brien P., Götz D., …, **De Pasquale M.**, et al. “The Transient High-Energy Sky and Early Universe Surveyor (THESEUS)”, 2019, Proceedings of the conference “The X-ray Universe 2017” held 6-9 June 2017 in Rome, Italy. Edited by J.-U. Ness and S. Migliari.

De Pasquale M., Page M.J., Silvia Z., et al. “GRB 130831A: Rise and demise of a magnetar at z = 0.5” 2019, Proc. of the 14th Marcel Grossmann Meeting, World Scientific Publishing, p. 2981

Oates S.R., Racusin J.L., **De Pasquale M.,** et al. “Exploring the canonical behavior of gamma-ray bursts with an intrinsic multi-wavelength afterglow correlation”, 2020, pp. 109-111. Proceedings of Yamada Conference, “GRBs in the Gravitational Wave Era 2019”, Japan. Editors: T. Sakamoto, M. Serino and S. Sugita http://yokohamagrb2019.wikidot.com/proceedings

Amati L., O'Brien P.T., Götz D., Bozzo E., Santangelo A.; on behalf of the THESEUS Consortium …, **De Pasquale M.,** et al. "The THESEUS space mission: updated design, profile and expected performances" 2021, Proc. of SPIE 2020, paper 11444-302, arXiv:2102.08702.

Oates S.R., Racusin J.L., De Pasquale M., et al., "Exploring the canonical behaviour of long Gamma-ray Bursts using an intrinsic multi-wavelength afterglow correlation", 2023, proceedings of "The sixteenth Marcel Grossmann Meeting", Ed.s R. Ruffini and G. Vereshagin, World Scientific Publishing Co., pp. 3150-3161.

Sample of GRB Coordinate Network Notices (GCNs), reports, ATELs (ultimi 9 anni, ~360 totali).

Sonbas E., Güver T., De Pasquale M., Gögüs E. et al. "GRB 170202A: T100 observations" 2017, GCN 20591

Gropp J.D. & De Pasquale M. "GRB 181020A: *Swift*/UVOT Detection" 2018, GCN 23360

Ragosta F., Olivares F., … De Pasquale M., et al., "GRB 190114C: ePESSTO NTT optical observations" 2019, GCN 23748

Breeveld A. A., Kuin N.P.M., Marshall F.E., …, De Pasquale M. et al. "LIGO/VIRGO S190425z: Transient found in Swift/UVOT counterpart search" 2019, GCN 24296.

Kuin N.P.M., De Pasquale M., Bernardini M.G., "GRB 190511A: Swift/UVOT detection" 2019, GCN 24404

Oates S.R., …, De Pasquale M., et al. "LIGO/Virgo S200213t: Swift UVOT and XRT observations of ZTF20aamvmzj (AT2020cja)" 2020, GCN 27153

Breeveld A., …, De Pasquale, M., et al. "LIGO/Virgo S200224ca: Transient found in Swift/UVOT counterpart search" 2020, GCN 27288

Oates S.R., …, De Pasquale M., et al. "LIGO/Virgo S200213t: continued Swift UVOT and XRT observations of ZTF20aamvmzj (AT2020cja)" 2020, GCN 27400

Oates S.R., Kuin N.P.M., De Pasquale M., et al., "GRB 200829A; *Swift*/ UVOT-XRT photometric redshift" 2020, GCN Circ. 28338

De Pasquale M., Sonbas E., Ozdonmez A., et al., "GRB 200829A: T100 observations" 2020, GCN Circ. 28404

Rossi A., Benetti S., Palazzi E., …, De Pasquale M., et al. (CIBO collaboration), "GRB 201015A: evidence of supernova in LBT spectra" 2021, GCN 29306

D'Avanzo P., D'Elia V., Campana S., …, De Pasquale M., et al. (CIBO collaboration), "GRB 210704A: further TNG optical observations" 2021, GCN 30432

A partire da 1 settembre 2021:

Rossi A., Palazzi E., Amati L., …, De Pasquale M., et al. (CIBO collaboration), "GRB 211023B: LBT likely spectroscopic redshift of the host galaxy" 2021, GCN 31107

D'Avanzo P., Rossi A., Malesani D.B., …, De Pasquale M., et al. (CIBO collaboration), "GRB 211211A: TNG NIR observations", 2021, GCN 31242

D'Avanzo P., Melandri A., Covino S., …, De Pasquale, M., et al. (CIBO collaboration), "GRB 220101A: TNG NIR afterglow detection", 2022, GCN 31373

D'Avanzo P., Melandri A., Fugazza, D., …, De Pasquale, M., et al. (CIBO collaboration), "GRB 220101A: further TNG NIR observations", 2022, GCN 31395

Rossi A., Pian E., Palazzi E., … (CIBO collaboration), …., "GRB 211023A: evidence of supernova in LBT spectra", 2022, GCN 31596

D'Avanzo P., Ferro M., Brivio R., …, De Pasquale M., et al., "GRB 221009A: continued REM/ optical/NIR observations and evidence for an achromatic steepening of the afterglow light curve", 2022, GCN 32755

Oates S.R., Breeveld A.A., Brown P., …, De Pasquale M., et al. "LIGO/Virgo/KAGRA S230518h: Swift/UVOT upper limits for Slope candidates: SSS23a, SSS23b, and SSS23c" 2023, GCN 33832

Breeveld A.A., Kuin N.P.M., Oates S.R., …, De Pasquale M., et al., "LIGO/Virgo/KAGRA S230518h: Swift/UVOT upper limits for MeerLICHT candidates: AT2023ixg and AT2023iyb", 2023, GCN 33851

Maiorano E., D'Elia V., Malesani D.B., …, De Pasquale M., et al. "GRB230205A: LBT spectroscopy of two host galaxy candidates" 2023, GCN 34640

Evans P.A., Kennea J.A., Tohuvavohu A., …, De Pasquale M., et al. "LIGO/Virgo S230917af: Sewift XRT opbservations, 6 X-ray sources" 2023, GCN 34736.

D'Avanzo P., Reguitti A., Tomasella L., …, De Pasquale M., et al., "GRB 231115A: optical observations from INAF observatories" 2023, GCN 35077

A. Rossi, E. Maiorano, E. Palazzi, …, M. De Pasquale, et al., "GRB 240414A: LBT optical detection", 2024, GCN 36228

Evans P.A., Page K.L., Kennea J.A., …, De Pasquale M., et al., "LVK S240422ed: Further Swift-XRT followup of three sources", 2024, GCN 36314

Klingler N.J., Oates S., Tohuvavohu A., …, De Pasquale M., et al., "LIGO/Virgo/KAGRA S241125n: Swift-UVOT Upper Limits, 2024, GCN 38350

Maiorano E., Rossi A., Palazzi E., …, De Pasquale M., et al., "GRB 240825A: LBT optical observations", 2024, GCN 36332

Kuin N.P.M., Breeveld A.A., Oates, S.R., …, De Pasquale M., et al., "GW s240422ed: Swift UVOT follow-up", 2024, GCN 36871

Rossi A., Maiorano E., Melandri A., …, De Pasquale M., et al., "GRB 240529A: LBT optical detection and late temporal decay", 2024, GCN 36655

Page K.L., Evans P.A., Kennea J.A., … De Pasquale M., et al., "LIGO/Virgo S240615dg: Swift XRT observations, 39 X-ray sources", 2024, GCN 36698

Evans P.A., Page K.L., Kennea J.A., …, De Pasquale M., et al., "LIGO/Virgo S240615dg: Swift XRT observations, 28 futher X-ray sources", 2024, GCN 36837.

Page K.L., Evans P.A., Kennea J.A., … De Pasquale M., et al., "LIGO/Virgo S241125n: Swift XRT observations, 5 X-ray sources", 2024, GCN 38324.

Page K.L., Evans P.A., Kennea J.A., … De Pasquale M., et al., "LIGO/Virgo S240422ed: Swift XRT observation of EP240426a", 2024, GCN 38332.

Brivio R., D'Avanzo, P., Ferro, M., …, De Pasquale M., et al., “GRB 250114A: REM detection of the optical and NIR counterpart”, 2025, GCN 38933.

Page K.L., Evans, P.A., Kennea, J.A., …, De Pasquale M., et al. “LIGO/Virgo S250119cv: Swift XRT observations, 5 X-ray sources”, 2025, GCN 39009.

Brivio R., Ferro M., D’Avanzo P., …, De Pasquale M., et al. “GRB 250129A: REM optical/NIR afterglow detection”, 2025, GCN 39079.

Evans P.A., Delaunay J.J., Page K.L., …, De Pasquale M., et al. “LIGO/Virgo S250223dk: Swift XRT observations, 7 X-ray sources”, 2025, GCN 39485.

Klingler N., Shilling S, Evans P.A., …, De Pasquale M., et al. “LIGO/Virgo/KAGRA S250223dk and Swift/BAT-GUANO ID 762004910: Swift/UVOT Upper Limits”, 2025, GCN 39577.

Evans P.A., Kennea J.A., Tohuvavohu A., …, De Pasquale M., et al. “LIGO/Virgo/KAGRA S250328ae: Swift XRT observations, 34 possible X-ray sources, 2025, GCN 39972.

Brivio R.; Ferro M., D'Avanzo P., …, De Pasquale M., et al. “GRB 250507A: REM optical/NIR observations”, 2025, GCN 40380.

Malesani Daniele B., Eyles-Ferris R., Corcoran G., …, De Pasquale M., et al., “EP250704a / GRB 250704B: VLT/FORS2 optical afterglow detection”, 2025, GCN 40945.

Schneider B.; Saccardi A., Garnichey M., …, De Pasquale M., et al., “GRB 250704A: VLT/X-shooter afterglow discovery and spectroscopic redshift z = 1.091”, 2025, GCN 40953.

Levan A. J., Martin-Carrillo A., Schneider B., …, De Pasquale M., et al., “GRBs 250702B,D,E / EP250702a: fast fading, extremely red counterpart”, 2025, GCN 40961.

An J., Malesani D.B., Xu D., …, De Pasquale M., et al. “EP250704a / GRB 250704B: VLT/X-shooter spectroscopic redshift z = 0.661”, 2025, GCN 40966.

Kuin N. P. M., Siegel M.H., Breeveld A.A., …, “LIGO/Virgo/KAGRA S250727dc: Swift-UVOT detection of a new source, AT 2025smm”, 2025,

Palmerio J. T., Schneider B., Saccardi A., …, De Pasquale M., et al. “GRB 250706B/C: VLT/X-shooter redshift z = 0.942”, 2025, GCN 41022.

Evans P. A., Kennea, J. A., Tohuvavohu A., …, De Pasquale M., et al. “LIGO/Virgo/KAGRA S250727dc: Swift-UVOT detection of a new source, AT 2025smm”, 2025, GCN 41187.

Izzo L., Giudice I.F., Tanvir N., …, De Pasquale M., et al. “GRB 250805A: ESO/VLT observations”, 2025, GCN 41241

Giudice I.F., Garnichey M., Thakur A.L., …, De Pasquale M., et al. “GRB 250807B: VLT/X-Shooter spectroscopic redshift z = 1.522”, 2025, GCN 41289

Levan A., Malesani D.B., Giudice I. F., …, De Pasquale M., et al. “GRB 250808A: VLT X-shooter candidate counterpart”, 2025, GCN 41305

de Ugarte Postigo A., Schneider B., Corcoran G., …, De Pasquale M., et al. “GRB 250812A: VLT X-shooter spectroscopic redshift confirmation z = 2.571”, 2025, GCN 41348

Page K.L., Evans P.A., Kennea J.A, …, De Pasquale M., et al. “LIGO/Virgo/KAGRA S250813k: Swift XRT observations, 2 X-ray sources”, 2025, GCN 41348.

Malesani D.B., Boye A.; Izzo L. …, De Pasquale M., et al. “LIGO/Virgo/KAGRA S250818k: NOT optical observations of AT2025ulz”, 2025, GCN 41492.

Banerjee Smaranika; Botticella, Maria-Teresa; Brennan, Seán J., ‘LIGO/Virgo/KAGRA S250818k: ENGRAVE observations of SN 2025ulz as a type II supernova’, 2025, GCN 41532.

Eyles-Ferris R.A.J., Levan A.J., Martin-Carrillo A., …, De Pasquale M., et al. “GRB 250702B: Late time Chandra observations”, 2025, GCN 41767.

Shilling S.P.R., De Pasquale, M.; Beardmore A.P., …, De Pasquale M., et al. “GRB 251003A: Swift/UVOT Upper Limits”, 2025, GCN 42100.

Page K.L., Evans, P. A., Kennea J. A., …, De Pasquale M., et al. “ LIGO/Virgo/KAGRA S251112cm: Swift XRT observations, 20 X-ray sources”, 2025, GCN 42681.

Saccardi A.; Malesani, D.B., Izzo L. “ EP251118a / GRB 251118C: VLT/MUSE redshift confirmation”, 2025, GCN 43056.

Breeveld A.A., Kuin N.P.M., Lanava S., …, De Pasquale M., “GRB 251230A: Swift/UVOT detection”, 2025, GCN 432171.

On-line catalogues

First author or co-author of 10+ on-line catalogues of X-ray and optical cosmic sources.

Di cui, dal 2021:

VizieR Online Data Catalog: GRB 190114C spectra and light-curves (Melandri et al. 2022)
Melandri A., Izzo L., Pian E., … De Pasquale M., et.al. 2022. DOI: 10.26093/cds/vizier.36590039
https://cdsarc.cds.unistra.fr/viz-bin/cat/J/A+A/659/A39

VizieR Online Data Catalog: Swift observations of gamma-ray burst afterglows (Page et al. 2019)
Page M.J., Oates S.R., De Pasquale M., et al., 2022
https://cdsarc.cds.unistra.fr/viz-bin/cat/J/MNRAS/488/2855

VizieR Online Data Catalog: The host of GRB 171205A (Thoene+, 2024)
Thoene, C. C.; de Ugarte Postigo, A.; Izzo, L., …, De Pasquale M, et al. 2024
https://cdsarc.cds.unistra.fr/viz-bin/cat/J/A+A/690/A66

Professional References

Prof. Mathew J. Page
University College London, Mullard Space Science Laboratory, United Kingdom.
m.page@ucl.ac.uk

Dr. Luigi Piro
Institute of Space Astrophysics and Planetology, Rome.
Luigi.Piro@iaps.inaf.it

Prof. Bing Zhang
C.Y. Ming Physics Building, The University of Hong Kong, People’s Republic of China
bzhang1@hku.hk

Prof. Tansel Ak

Istanbul University, Department of Astronomy and Space Sciences & Dean of the Science Faculty, Turkey.
tanselak@istanbul.edu.tr

Data e Luogo

Massimiliano De Pasquale Marzo 2026 Messina