

**HORIZON
2020**

Probing the origin of intergalactic magnetic fields and cosmic rays with gamma-ray cascades

Results

Project Information

GammaRayCascades

Grant agreement ID: 843800

[Project website](#) 

DOI

[10.3030/843800](https://doi.org/10.3030/843800) 

Project terminated on 31 May 2021

EC signature date

27 March 2019

Start date

1 October 2019

End date

30 September 2021

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EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

Total cost

€ 174 806,40

EU contribution

€ 174 806,40

Coordinated by

FRIEDRICH-ALEXANDER-
UNIVERSITAET ERLANGEN-
NUERNBERG



Germany

CORDIS provides links to public deliverables and publications of HORIZON projects.

Links to deliverables and publications from FP7 projects, as well as links to some specific result types such as dataset and software, are dynamically retrieved from [OpenAIRE](#) .

Publications

Peer reviewed articles (3)



[The Observability of Plasmoid-powered \$\gamma\$ -Ray Flares with the Fermi Large Area Telescope](#)

Author(s): Manuel Meyer, Maria Petropoulou, Ian M. Christie

Published in: The Astrophysical Journal, Issue 912/1, 2021, Page(s) 40, ISSN 0004-637X

Publisher: University of Chicago Press

DOI: 10.3847/1538-4357/abedab

[Sensitivity of the Cherenkov Telescope Array for probing cosmology and fundamental physics with gamma-ray propagation](#)

Author(s): H. Abdalla, H. Abe, F. Acero, A. Acharyya, R. Adam, I. Agudo, A. Aguirre-Santaella, R. Alfaro, J. Alfaro, C. Alispach, R. Aloisio, R. Alves Batista, L. Amati, E. Amato, G. Ambrosi, E.O. Angüner, A. Araudo, T. Armstrong, F. Arquerros, L. Arrabito, K. Asano, Y. Ascasíbar, M. Ashley, M. Backes, C. Balazs, M. Balbo, B. Balmaverde, A. Baquero Larriva, V. Barbosa Martins, M. Barkov, L. Baroncelli, U. B

Published in: Journal of Cosmology and Astroparticle Physics, Issue 2021/02, 2021, Page(s) 048-048, ISSN 1475-7516

Publisher: Institute of Physics

DOI: 10.1088/1475-7516/2021/02/048

[Relevance of jet magnetic field structure for blazar axionlike particle searches](#)

Author(s): James Davies, Manuel Meyer, Garret Cotter

Published in: Physical Review D, Issue 103/2, 2021, ISSN 2470-0010

Publisher: American Physical Society

DOI: 10.1103/physrevd.103.023008

Conference proceedings (1)



[Detection of new Extreme BL Lac objects with H.E.S.S. and Swift XRT](#)

Author(s): Angel Priyana Noel, Hassan Abdalla, Felix Aharonian, Faical Ait-Benkhalil, Oguzhan Anguener, Cornelia Arcaro, Celine Armand, Tom Armstrong, Halim Ashkar, Michael Backes, Vardan Baghmanyany, Victor Barbosa Martins, Anna Barnacka, Monica Barnard, Rowan Batzofin, Yvonne Becherini, David Berge, Konrad Bernloehr, Baiyang Bi, Markus Boettcher, Catherine Boisson, Julien Bolmont, Mathieu Bony (de), Mischa B

Published in: Proceedings of 37th International Cosmic Ray Conference — PoS(ICRC2021), 2021, Page(s) 823

Publisher: Sissa Medialab
DOI: 10.22323/1.395.0823

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Permalink: <https://cordis.europa.eu/project/id/843800/results>

European Union, 2025