

Matteo Nori

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Knowledge Group: Government, Health and Not for Profit

Research Domains: Space Economy

Teaching Domains: Big & Small Data, Data Analysis Process, Descriptive Analytics, Time Series Analysis, Predictive Analytics

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Articles in Scholarly Journals

No Catch-22 for fuzzy dark matter: testing substructure counts and core sizes via high-resolution cosmological simulations

ELGAMAL, S., M. NORI, A. V. MACCIÒ, M. BALDI, S. WATERVAL, "No Catch-22 for fuzzy dark matter: testing substructure counts and core sizes via high-resolution cosmological simulations", Monthly Notices of the Royal Astronomical Society, 2024, vol. 532, no. 4, pp. 4050-4059

Fuzzy Aquarius: evolution of a Milky-way like system in the Fuzzy Dark Matter scenario

NORI, M., A. V. MACCIÒ, M. BALDI, "Fuzzy Aquarius: evolution of a Milky-way like system in the Fuzzy Dark Matter scenario", Monthly Notices of the Royal Astronomical Society, 2023, vol. 522, no. 1, pp. 1451-1463

NIHAO – XXVIII. Collateral effects of AGN on dark matter concentration and stellar kinematics

WATERVAL, S., S. ELGAMAL, M. NORI, M. PASQUATO, A. V. MACCIÒ, M. BLANK, K. L. DIXON, X. KANG, T. IBRAYEV, "NIHAO – XXVIII. Collateral effects of AGN on dark matter concentration and stellar kinematics", Monthly Notices of the Royal Astronomical Society, 2022, vol. 514, no. 4, pp. 5307-5319

Sparse Identification of Variable Star Dynamics

PASQUATO, M., M. ABBAS, A. A. TRANI, M. NORI, J. A. KWIECINSKI, P. TREVISAN, V. F. BRAGA, G. BONO, A. V. MACCIÒ, "Sparse Identification of Variable Star Dynamics", The Astrophysical Journal Supplement, 2022, vol. 930, no. 2, pp. 161

Dynamic zoom simulations: A fast, adaptive algorithm for simulating light-cones

GARALDI, E., M. NORI, M. BALDI, "Dynamic zoom simulations: A fast, adaptive algorithm for simulating light-cones", Monthly Notices of the Royal Astronomical Society, 2020, vol. 499, no. 2, pp. 2685-2700

Scaling relations of fuzzy dark matter haloes – I. Individual systems in their cosmological environment

NORI, M., M. BALDI, "Scaling relations of fuzzy dark matter haloes – I. Individual systems in their cosmological environment", Monthly Notices of the Royal Astronomical Society, 2020, vol. 501, no. 1, pp. 1539-1556

Lyman α forest and non-linear structure characterization in Fuzzy Dark Matter cosmologies

NORI, M., R. MURGIA, V. IRŠIČ, M. BALDI, M. VIEL, "Lyman α forest and non-linear structure characterization in Fuzzy Dark Matter cosmologies", Monthly Notices of the Royal Astronomical Society, 2019, vol. 482, no. 3, pp. 3227-3243

AX-GADGET: a new code for cosmological simulations of Fuzzy Dark Matter and Axion models

NORI, M., M. BALDI, "AX-GADGET: a new code for cosmological simulations of Fuzzy Dark Matter and Axion models", Monthly Notices of the Royal Astronomical Society, 2018, vol. 478, no. 3, pp. 3935-3951

Unveiling the nature of the unidentified gamma-ray sources VI: gamma-ray blazar candidates in the WISH survey and their radio properties

NORI, M., M. GIROLETTI, F. MASSARO, R. D'ABRUSCO, A. PAGGI, G. TOSTI, S. FUNK, "Unveiling the nature of the unidentified gamma-ray sources VI: gamma-ray blazar candidates in the WISH survey and their radio properties", The Astrophysical Journal Supplement, 2014, vol. 212, no. 1, pp. 1-8

Unveiling the nature of the unidentified gamma-ray sources. III. Gamma-ray blazar-like counterparts at low radio frequencies

MASSARO, F., R. D'ABRUSCO, M. GIROLETTI, A. PAGGI, N. MASETTI, G. TOSTI, M. NORI, S. FUNK, "Unveiling the nature of the unidentified gamma-ray sources. III. Gamma-ray blazar-like counterparts at low radio frequencies", The Astrophysical Journal Supplement, 2013, vol. 207, no. 1, pp. 4

Other

Italian space economy hits record, with revenues up 12.3% - Space economy italiana da record, con ricavi +12,3%

DI PIPPO, S., N. CARRARO, M. NORI, O. A. ROBALINO FLORETT, "Italian space economy hits record, with revenues up 12.3% - Space economy italiana da record, con ricavi +12,3%", SDA Bocconi Insight, 15 December 2025

Proceedings/Presentations

Long term effects of the mitigation and remediation measures in view of the changing space activities

ROSSI, A., C. IACOMINO, A. SAPUTO, M. NORI, F. COLANTONI, F. VENTRE, "Long term effects of the mitigation and remediation measures in view of the changing space activities" in Second International Orbital Debris Conference (IOC II), December 4–7, 2023, Sugar Land, TX, United States of America

Towards a Bottom-Up Approach to Space Debris Removal: On the Economic Convenience Behind Debris Mitigation Strategies

DI PIPPO, S., C. IACOMINO, A. ROSSI, M. NORI, A. SAPUTO, F. VENTRE, F. COLANTONI, "Towards a Bottom-Up Approach to Space Debris Removal: On the Economic Convenience Behind Debris Mitigation Strategies" in 74th International Astronautical Congress – 'Global Challenges and Opportunities: Give Space a Chance' -

