Carlos Heredia

Publications

2024   Heredia, Carlos and Josep Llosa (2024). "Nonlocal Lagrangian fields and the second Noether theorem. Non-commutative U(1) gauge theory". In: *Journal of High Energy Physics* 2024.4, p. 21. DOI: `10.1007/JHEP04(2024)021`.

2023   Salvat, Francesc and Carlos Heredia (Nov. 2023). "Electromagnetic interaction models for Monte Carlo simulation of protons and alpha particles". In: *Nuclear Instruments and Methods in Physics Research Section B: Beam Interactions with Materials and Atoms* 546, p. 165157. DOI: `https://doi.org/10.1016/j.nimb.2023.165157`.

2022   Heredia, Carlos, Ivan Kolář, et al. (Mar. 2022). "Infinite-derivative linearized gravity in convolutional form". In: *Classical and Quantum Gravity* 39.8, p. 085001. DOI: `10.1088/1361-6382/ac5a14`.

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2021   Heredia, Carlos and Josep Llosa (May 2021a). "Energy-momentum tensor for the electromagnetic field in a dispersive medium". In: *Journal of Physics Communications* 5.5, p. 055003. DOI: `10.1088/2399-6528/abfd14`.

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