

Alis Rodríguez Manso

Publication list

Full list of publications (over 180 as a member of the ALICE collaboration) is available upon request, or it can be accessed through this [link](#).

Selected refereed journal publications

- "Neutron-proton equilibration in ternary decays of excited projectile-like fragments."
Submitted May 2019 in PRC.
- "The partial truncated icosahedron phoswich array for detection of low energy charged pions and light charged particles."
NIM in Physics Research Section A, Vol. 915, 2019, 47-53 pp.
Author List: A. Zarrella, E. Churchman, J. Gauthier, K. Hagel, L. Heilborn, A. Jedy, Y.-W. Lui, A.B. McIntosh, A. Rodríguez Manso, A. Wakhle, D. Youngs, and S.J. Yennello.
- "Neutron-proton equilibration in 35 MeV/u collisions of $^{64,70}\text{Zn} + ^{64,70}\text{Zn}$ and $^{64}\text{Zn}, ^{64}\text{Ni} + ^{64}\text{Zn}, ^{64}\text{Ni}$ quantified using triplicate probes."
Phys. Rev. C 98, 044602 (2018).
Author List: L.W. May, A. Wakhle, A.B. McIntosh, Z. Kohley, S. Behling, A. Bonasera, G. Bonasera, P. Cammarata, K. Hagel, L. Heilborn, A. Jedy, A. Rappelt, A. Rodríguez Manso, G. Souliotis, R. Tripathi, M. Youngs, A. Zarrella, and S.J. Yennello.
- "Detailed characterization of neutron-proton equilibration in dynamically deformed nuclear systems."
Phys. Rev. C 95, 044604 (2017).
Author List: A. Rodríguez Manso, A. B. McIntosh, A. Jedy, K. Hagel, L. Heilborn, Z. Kohley, L.W. May, A. Zarrella, and S. J. Yennello.
- "Multiplicity and transverse momentum evolution of charge-dependent correlations in pp, p-Pb, and Pb-Pb collisions at the LHC."
Eur. Phys. J. C 76 (2016) 86.
Author List: J. Adam et al. [ALICE Collaboration].
- "Balance Function: Multiplicity and Transverse Momentum Dependence of the Charge Dependent Correlations in ALICE."
Publisher: Utrecht University, CERN-THESIS-2015-227 2015. 137 pp.
Author List: A. Rodríguez Manso.
- "Charge correlations using the balance function in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV."
Phys. Lett. B 723 (2013) 267-279

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Author List: J. Adam et al. [ALICE Collaboration].

- "How fast are the senses?"
Revista Cubana de Física, p126 Vol. 28 No. 1E 2011 ISSN02539268
Author List: Leonel R. Morejon Hernandez and A. Rodriguez Manso.
- "Nanothermodynamic model of nuclear matter."
Paper in preparation.

Proceedings and ALICE internal notes

- "Equilibration Chronometry and Reaction Dynamics."
IWM-EC 2018 proceeding, Il Nuovo Cimento C, Societa Italiana di Fisica, DOI: 10.1393/ncc/i2018-18163-y.
Author List: A. Rodriguez Manso, A.B. McIntosh, K. Hagel, L. Heilbor, A. Jedele, A. Wakhle, A. Zarrella, and S.J. Yennello.
- "Implementing PIXE and PIGE at the Texas A&M University Cyclotron Institute."
CAARI 2018 proceeding, submitted to the American Institute of Physics.
Author List: A. Rodriguez Manso, A.B. McIntosh, G.F. Peaslee, J. Gauthier, K. Hagel, L. Heilborn, A. Jedele, M. McCarthy, Y. Pajouhafsar, A. Zarrella, A. Wakhle, and S.J Yennello.
- "The Partial Truncated Icosahedron Phoswich Detector Array: A Light Charged Particle Array for Pionic Fusion Measurements."
CAARI 2017 proceeding, Physics Procedia, A, Vol90, 2017, Pages 463-471.
Author List: A. Zarrella, L. Galvan, L. Heilborn, A. Jedele,b, A.B. McIntosh, A. Rodriguez Manso, M. Youngs, and S.J. Yennello
- "Equilibration chronometry: characterizing neutron-proton equilibration within a strongly deformed nuclear system with sub-zeptosecond resolution."
26th International Nuclear Physics Conference proceeding, PoS INPC2016 (2017) 229.
Author List: A. Jedele, A.B. McIntosh, K. Hagel, L. Heilborn, Z. Kohley, E. Mccleskey, A. Rodriguez Manso, M. Youngs, A. Zarrella, and S.J. Yennello.
- "Cluster emission at pre-equilibrium stage in Heavy Nuclear Reactions. A Model considering the Thermodynamics of Small Systems".
WONP-NURT'2015 proceeding, ISBN 978-959-300-069-7.
Author List: A. Bermudez Martinez, D. Damiani, F. Guzman Martinez, O. Rodriguez Hoyos, and A. Rodriguez Manso.
- ALICE ANA-1319 Charge dependent correlations in Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV.
- ALICE ANA-1207 Balance Function in p–Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV.
- ALICE ANA-1318 Charge dependent correlations in pp collisions at $\sqrt{s} = 7$ TeV.
- ALICE ANA-139 Charge correlations using the balance function in Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV.