

LIST OF PUBLICATIONS (updated on 01/2020)

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Publications list with referee

1. N. Baillot d'Etivaux, S. Guillot, J. Margueron, N.A. Webb, M. Catelan, and A. Reisenegger,
New constraints on the nuclear equation of state from the thermal emission of neutron stars in quiescent
low-mass X-ray binaries,
Astrophys. J. 887, 48 (2019).
2. I. Tews, J. Margueron, S. Reddy,
Confronting gravitational-wave observations with modern nuclear physics constraints, EPJ A Topical Issue
"First joint gravitational wave and electromagnetic observations: Implications for nuclear and particle
physics",
Eur. Phys. J. A. 55, 97 (2019).
3. N.A. Webb, D. Leahy, N. Baillot d'Etivaux, D. Barret, L. Guillemot, S. Guillot, J. Margueron, M.C. Miller,
S.M. Morsink, and J. Piekarewicz
Thermal X-ray emission identified from the millisecond pulsar PSR J1909-3744,
A&A 627, A141 (2019).
4. T. Carreau, F. Gulminelli, J. Margueron,
General predictions for the neutron star crustal moment of inertia,
Phys. Rev. C 100, 055803 (2019).
5. T. Carreau, F. Gulminelli, J. Margueron,
Bayesian analysis of the crust-core transition with a compressible liquid-drop model,
Eur. Phys. J. A 55, 188 (2019).
6. J. Margueron and F. Gulminelli
On the effect of high order empirical parameters on the nuclear equation of state
Phys. Rev. C 99, 025806 (2019).
7. J. J. Li, W. Long, J. Margueron, N. Van Giai
48Si : An atypical nucleus ?
Phys. Lett. B 788, 192 (2019)
8. I. Tews, J. Margueron, S. Reddy
Critical examination of constraints on the equation of state of dense matter obtained from GW170817,
Phys. Rev. C 98, 045804 (2018) **Editor's suggestion**
9. H. Güven, K. Bozkurt, E. Khan, J. Margueron
ΛΛ pairing in multi-strange hypernuclei
Phys. Rev. C 98, 014318 (2018)
10. J. Margueron, R. Hoffmann Casali, F. Gulminelli
The equation of state for dense nucleonic matter from a meta-modeling II. Predictions for neutron stars
properties,
Phys. Rev. C 97, 025806 (2018)
11. J. Margueron, R. Hoffmann Casali, F. Gulminelli
The equation of state for dense nucleonic matter from a meta-modeling I. Foundational aspects,
Phys. Rev. C 97, 025805 (2018)
12. A. Roggero, J. Margueron, L. F. Roberts, S. Reddy
Nuclear pasta in hot dense matter and its implications for neutrino scattering,
Phys. Rev. C 97, 045804 (2018)

13. D. Chatterjee, F. Gulminelli, Ad. R. Raduta, and J. Margueron
 Constraints on the nuclear equation of state from nuclear masses and radii in a Thomas-Fermi meta-modeling approach,
Phys. Rev. C 96, 065805 (2017)
14. J. Margueron, E. Khan, and F. Gulminelli
 Density functional approach for multistrange hypernuclei : Competition between Λ and $X_i^{\{0,-\}}$ hyperons,
Phys. Rev. C 96, 054317 (2017)
15. M. Belabbas, J.J. Li, J. Margueron
 Finite temperature pairing re-entrance in drip-line ^{48}Ni nucleus,
Phys. Rev. C 96, 024304 (2017)
16. H. Nakada, K. Sugiura, T. Inakura, J. Margueron
Can realistic interaction be useful for nuclear mean-field approaches ?,
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17. Ngo Hai Tan, Doan Thi Loan, Dao T. Khoa, Jérôme Margueron,
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18. François Aymard, Francesca Gulminelli, Jérôme Margueron,
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19. François Aymard, Francesca Gulminelli, Jérôme Margueron,
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20. Jiajie Li, Jérôme Margueron, Wen Hui Long, Nguyen Van Giai,
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21. Elias Khan, Jérôme Margueron, Francesca Gulminelli, Adriana R. Raduta,
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23. A. Pastore, N. Chamel, and J. Margueron,
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24. A. P. Severyukhin, J. Margueron, I. N. Borzov, N. Van Giai,
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25. A. Pastore, P. Schuck, M. Urban, X. Viñas, J. Margueron,
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30. Providencia C., Avancini S. S., Cavagnoli R., Chiacchiera S., Ducoin C., Grill F. Margueron J., Menezes D., Rabhi A., Vidana I.,
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31. Papakonstantinou P., Margueron J., Gulminelli F., Raduta Ad. R.,
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32. Khan E., Margueron J.,
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34. Nakada H., Sugiura K., Margueron J.,
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35. Gulminelli F., Raduta Ad. R., Oertel M., Margueron J.,
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36. Margueron J., Khan E.,
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37. Khan E., Margueron J.,
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39. Fantina A.F., Blottiau P., Margueron J., Mellor Ph., Pizzochero P. M.,
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42. Doan Thi Loan, Ngo Hai Tan, Dao T. Khoa, J. Margueron
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43. Ducoin C., Margueron J., Providênciâ C., Vidaña I.,
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51. Margueron J., Sagawa H.,
Extended Skyrme interaction (I): spin fluctuations in dense matter,

J. Phys. G: Nucl. Part. Phys. 36 125102 (2009)

52. Khan E., Grasso M., Margueron J.,
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55. Grasso M., Khan E., Margueron J., Van Giai N.,
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56. Margueron J., Sagawa H., Hagino K.,
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66. Margueron J., Van Giai N., and Navarro J.,
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72. Margueron J., Bonaccorso A., and Brink D.M.,
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73. Margueron J., and Chomaz P.,
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74. Margueron J., Navarro J., and Van Giai N.,
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Local energy density functional for proton pairing correlations,
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2. Yamagami M., Margueron J., Sagawa H., Hagino K.,
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Contributions to books

1. F. Acero, et al.,
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2. E.F. Keane, B. Bhattacharyya, M. Kramer, et al.,
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« Advancing Astrophysics with the Square Kilometre Array », Proceedings of Science, PoS (ASSKA 14) 040 (2014).
3. A. Watts, Renxin Xu, Cristobal Espinoza, et al.,
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4. Margueron J., Sandulescu N.,
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5. Baran V., and Margueron J.,
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1. I. Tews, J. Margueron, and S. Reddy, Constraining the properties of dense matter and neutron stars by combining nuclear physics and gravitational waves from GW170817, AIP conf. Proc. 2127, 020009 (2019) Xiamen-CUSTIPEN workshop on the EOS of dense neutron-rich matter in the era of GW astronomy.
2. S. Guillot, N. Baillot d'Etivaux, J. Margueron
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6. Anna Watts et al.,
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8. Th. Foglizzo et al.,
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9. F. Aymard, F. Gulminelli, J. Margueron,
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10. J. J. Li, W. H. Long, J. Margueron, N. Van Gai,
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14. Gulminelli F., Raduta Ad. R., Oertel M., Margueron J.,
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18. Margueron J.,
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5. J. Margueron, J. Castillo, A. Korichi, C.M. Camacho, D. Verney
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6. Romain Artigue et Jérôme Margueron
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