

Prof. univ. dr. habil. ADRIAN PALCU

-Lista lucrărilor științifice în publicații ISI-
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1. A. Palcu: **A Powerful Tool for Particle Physics: the Generalized Gauge Model $SU(3)_c \otimes SU(n)_L \otimes U(1)_Y$** , *AIP Conference Proceedings NN* (2023), in press (American Institute of Physics).
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2. A. Palcu: **Weak charges quantization in $SU(3)_c \otimes SU(n)_L \otimes U(1)_Y$ gauge models**, *Europhysics Letters* **140**, 64002 (2022) (IOP Publishing).
DOI: [10.1209/0295-5075/aca55e](https://doi.org/10.1209/0295-5075/aca55e)
3. A. Palcu: **Weak charges in $SU(5)_L \times U(1)_Y$ gauge models**, *Progress of Theoretical and Experimental Physics* **2022**, 051B02 (2022) (Oxford University Press).
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4. A. Palcu: **$SU(5)_L \times U(1)_Y$ electroweak unification**, *Progress of Theoretical and Experimental Physics* **2021** 103B02 (2021) (Oxford University Press).
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5. A. Palcu: **Electric charge quantization in $SU(3)_c \otimes SU(n)_L \otimes U(1)_Y$ gauge models**, *Journal of Physics G: Nuclear and Particle Physics* **48** (2021), 055003 (IOP Publishing).
DOI: [10.1088/1361-6471/abc2a8](https://doi.org/10.1088/1361-6471/abc2a8)
6. A. Palcu: **On trilinear terms in the scalar potential of 3-3-1 gauge models**, *Modern Physics Letters A* **35** (2020), 2050083 (World Scientific).
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7. A. Palcu: **Spontaneous Symmetry Breaking in 3-3-1 Gauge Models without Exotic Electric Charges**, *AIP Conference Proceedings* **2218** (2020), 050002 (American Institute of Physics).
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8. A. Palcu: **The Higgs sector of a 3-4-1 Gauge Model**, *AIP Conference Proceedings* **1916** (2017) no.1, 020007 (American Institute of Physics).
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9. A. Palcu: **Implementing inverse seesaw mechanism in $SU(3)_c \otimes SU(4)_L \otimes U(1)_Y$ gauge models**, *International Journal of Theoretical Physics* **56** (2017) no.2, 403-414 (Springer).
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10. A. Palcu: **A straightforward realization of a quasi-inverse seesaw mechanism at TeV scale**, *Romanian Reports in Physics* **68** (2016) no.1, 128-137 (Romanian Academy Publishing House).
http://www.rrp.infim.ro/2016_68_1.html
11. A. Palcu: **Neutrino masses in $SU(4)_L \otimes U(1)_Y$ gauge models**, *AIP Conference Proceedings* **1564** (2013) no.1, 28-32 (American Institute of Physics).
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12. A. Palcu: **Revisiting the Higgs sector of a 3-3-1 model in light of the 126 GeV signal at the LHC**, *Progress of Theoretical and Experimental Physics* **2013** (2013), 093B03 (Oxford University Press).
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14. A. Palcu: **Dimension-Five Effective Operators in Electro-Weak $SU(4)_L \otimes U(1)_X$ Gauge Models**, *Physical Review D* **85** (2012), 113010 (American Physical Society).
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15. A. Palcu, S. Nădăban, A. Şandru: **Some remarks on the boson mass spectrum in a 3-3-1 gauge model**, *Romanian Journal of Physics* **56** (2011) nos. 5-6, 673-681 (Romanian Academy Publishing House).
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http://www.nipne.ro/rjp/2010_55_3-4.html
17. A. Palcu: **Canonical Seesaw Mechanism in Electro-Weak $SU(4)_L \otimes U(1)_Y$ Models**, *Modern Physics Letters A* **24** (2009), 2589-2600 (World Scientific).
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18. A. Palcu: **On the global symmetry $L(e)-L(\mu)-L(\tau)$ in a 3-3-1 gauge model with right-handed neutrinos**, *AIP Conference Proceedings* **1131** (2009) no.1, 45-50 (American Institute of Physics).
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22. A. Palcu: **The Electric Charge Assignment in $SU(4)_L \otimes U(1)_Y$ Gauge Models**, *Modern Physics Letters A* **24** (2009), 1247-1255 (World Scientific).
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