

## PUBLICATIONS

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- 37) M. Palese, E. Winterroth (2018) Noether Theorems and Reality of Motion; the Fourteenth Marcel Grossmann Meeting, Rome 12-18 July 2015; M. Bianchi, R. T. Jantzen, R. Ruffini eds., Part D: Session History of Relativity and Cosmology, World Scientific (2018) 3331-3336
- 36) M. Palese, E. Winterroth (2017) Topological obstructions in Lagrangian field theories, with an application to 3D Chern-Simons gauge theory, *Jour. Math. Phys.*, 16 pages
- 35) M. Palese, E. Winterroth, (2016) Classical Higgs fields on gauge gluon bundles, *European Phys. Jour. WOC* 4 pages
- 34) Francesco Cattafi, Marcella Palese, Ekkehart Winterroth (2016) Variational derivatives in locally Lagrangian field theories and Noether-Bessel-Hagen currents *INT. J. GEOM. METH. MOD. PHYS.* 13 (8) (16 pages), ISSN: 0219-8878.
- 33) M. Palese, O. Rossi, E. Winterroth, J. Musilova: Variational sequences, representation sequences and applications in physics (2016), *SIGMA* (2016) 42 pages.
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- 27) Palese M., Winterroth E. (2012). Constructing towers with skeletons from open Lie algebras and integrability. *J. PHYS. CONF. SERIES.* 343, p. 012091-(7 pp.), ISSN: 1742-6596
- 26) Francaviglia M., Palese M., Winterroth E. (2012). Locally variational invariant field equations and global currents: Chern-Simons theories. *COMM. MATH.*, 20, 13-22, ISSN: 1804-1388
- 25) M. Palese, E. Winterroth (2011). A variational perspective on classical Higgs fields in gauge-natural theories. *THEOR. MATH. PHYS.* 168(1), p.1002-1008, ISSN: 0040-5779
- 24) M. Palese, E. Winterroth (2011). Variational Lie derivative and cohomology classes. *AIP CONF. PROC.* 1360, p. 106-112, ISSN: 0094-243X
- 23) M. Palese, E. Winterroth (2011). Infinitesimal algebraic skeletons for a (2+1)-dimensional Toda type system. *ACTA POLYTECHNICA*, vol. 1, p. 54-58, ISSN: 1210-2709
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