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Ricardo D'Elia Matheus
Curriculum Vitae

EDUCATION

2003 - 2006	**Ph.D. in Physics**, December 2006 Universidade de São Paulo, USP, São Paulo, Brazil Thesis: Exotic Particles in QCD Sum Rules Areas of Concentration: Elementary Particle Physics, Non-Perturbative QCD
2001 - 2003	**M.S. in Physics**, April 2003 Universidade de São Paulo, USP, São Paulo, Brazil Dissertation: The J/Psi-D-D Form Factor in QCD Sum Rules Areas of Concentration: Elementary Particle Physics, Non-Perturbative QCD
1997 - 2000	**B.A. in Physics**, December 2000 Universidade de São Paulo, USP, Sao Paulo, Brazil

GRANTS

2007 - 2010	**Post-Doctoral Fellowship** Granted by FAPESP (São Paulo State Research Support Foundation) Project Title: New Physics at the TeV scale: Strong Coupled Field Theories and AdS Extra Dimensions
2003 - 2006	**Doctoral Fellowship**, Granted by FAPESP (São Paulo State Research Support Foundation) Project Title: Charmed Form Factors in QCD Sum Rules
2001 - 2003	**Master Studies Fellowship**, Granted by FAPESP (São Paulo State Research Support Foundation) Project Title: The J/Psi-D-D Form Factor in QCD Sum Rules
1997 - 2000	**PIBIC Fellowship**, Granted by CNPq: (National Council of Scientific and Technological Development) Project: Development of the Chopper Cavity of the Microtron Particle Accelerator

POSITIONS HELD

Since 2011	**Assistant Professor** Instituto de Física Teórica, UNESP, São Paulo, Brazil Currently held (since December/2011)
2010 - 2011	**Assistant Professor** Universidade Federal de São Paulo, UNIFESP, Diadema, Brazil October/2010 to December/2011

SELECTED PUBLICATIONS (LAST 5 YEARS)

2011	**1.** Zanetti, C.M., Nielsen, M., **Matheus, R. D.** QCD Sum Rules for the production of the X(3872) as a mixed molecule-charmonium state in B Physics Letters B, v. 702, 359, 2011. **2.** Burdman, G., de Lima, L., **Matheus, R.D.** New Strongly Coupled Sector at the Tevatron and the LHC Physical Review D, v. 83, 35012, 2011. Cited 26 times.
2010	**3.** Burdman, G., da Rold, L., **Matheus, R.D.** Lepton Sector of a Fourth Generation Physical Review D, v. 82, 55015, 2010. Cited 18 times.
2009	**4.** Burdman, G., da Rold, L., Eboli, O., **Matheus, R.D.** A Strongly Coupled Fourth Generation at the LHC Physical Review D, v. 79, 075026, 2009. Cited 23 times. **5. Matheus, R. D.**, Navarra, F.S., Nielsen, M., Zanetti, C.M. QCD Sum Rules for the X(3872) as a mixed molecule-charmoniun state Physical Review D, v. 80, 056002, 2009. Cited 20 times.
2007	**6. Matheus, R. D.**, Navarra, F.S., Nielsen, M., Rodrigues da Silva, R. Do the QCD sum rules support four-quark states? Physical Review D, v. 76, 056005, 2007. Cited 26 times. **7. Matheus, R.D.,** Narison, S., Nielsen, M., Richard, J.M. Can the X(3872) be a 1++ four-quark state? Physical Review D, v. 75, 014005, 2007. Cited 57 times.

CITATION METRICS

Metric	All papers	Published only
Total number of citable papers analyzed:	31	18
Total number of citations:	477	403
Average citations per paper:	15.4	22.4
h-index:	***12***	***11***

inSPIRE data from February 9th, 2012

RECENT RESEARCH ACTIVITIES

Currently working on two lines of research:

1. Standard Model extensions on the TeV scale, focusing on theories with Extra-Dimensions with AdS geometry. Using Monte Carlo event generators to study the LHC phenomenology of such models.

2. Use of non-perturbative QCD methods to the study of hadronic properties. Special interest in the hadronic spectrum and exotic hadrons.
