

Ricardo D'Elia Matheus

Assistant Professor

1. EDUCATION AND TRAINING

- | | |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2003 - 2006 | Ph D in Physics , December 2006
Universidade de São Paulo, USP, São Paulo, Brasil
Thesis Title: Partículas Exóticas em Regras de Soma da QCD |
| 2001 - 2003 | Master in Physics , April 2003
Universidade de São Paulo, USP, São Paulo, Brasil
Dissertation Title: O Fator de Forma J/Psi-D-D em Regras de Soma da QCD |
| 1997 - 2000 | Graduate in Physics , December 2000
Universidade de São Paulo, USP, São Paulo, Brasil |
-

2. PROFESSIONAL HISTORY

- | | |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| 2007 - 2010 | Post-Doctoral Fellow (FAPESP grant)
Departamento de Física Matemática / IF-USP, São Paulo, Brasil
July/2007 to October/2010 |
-

3. MOST RELEVANT SCIENTIFIC RESULTS

- | | |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2015 | 1. de Lima, L., Machado, C.S., Matheus, R.D. , do Prado, L.A.F.
Higgs Flavor Violation as a Signal to Discriminate Models
e-Print: arXiv:1501.06923 [hep-ph] (accepted for publication in JHEP)
15 citations |
| 2014 | 2. Machado, C.S., Finazzo, S.I., Matheus, R.D. , Noronha, J.
Modification of the B Meson Mass in a Magnetic Field from QCD Sum Rules
Phys.Rev. D89 (2014) 074027
8 citations |

- 2012 **3. Burdman, G., de Lima, L., Matheus, R.D.**
Is the LHC Observing the Pseudo-scalar State of a Two-Higgs Doublet Model?
Physical Review D, v. 85, 95016, 2012.
48 citations
- 2011 **4. 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.
35 citations.
- 2010 **5. Burdman, G., da Rold, L., Matheus, R.D.**
Lepton Sector of a Fourth Generation
Physical Review D, v. 82, 55015, 2010.
29 citations.
- 2009 **6. 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.
33 citations.
- 7. Matheus, R. D., Navarra, F.S., Nielsen, M., Zanetti, C.M.**
QCD Sum Rules for the $X(3872)$ as a mixed molecule-charmonium state
Physical Review D, v. 80, 056002, 2009.
56 citations.
- 2007 **8. 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.
128 citations.
- 2005 **9. Bracco, M. E., Soares, A. L. F., Matheus, R. D., Navarra, F.S., Nielsen, M.**
Disentangling two- and four-quark state pictures of the charmed scalar mesons.
Physics Letters. Section B, v.624, p.217 - 222, 2005.
54 citations.
- 2004 **10. Matheus, R. D., Navarra, F.S., Nielsen, M., R. da Silva, R., Lee, S. H.**
Are Θ^+ and the Roper resonance diquark-diquark-antiquark states?
Physics Letters. Section B, v.578, p.323 - 329, 2004.
102 citations.

4. CURRENT RESEARCH GRANTS

None

5. CURRENT SUPERVISIONS

Since 2013	PhD Student Camila Sampaio Machado Project Title: The leptonic sector of Gauge theories in the Quiver: model building and phenomenology Funding Agency: FAPESP
Since 2015	PhD Student Leônidas Augusto Fernandes do Prado Project Title: New Physics searches in t-tbar associated Higgs production Funding Agency: CAPES
Since 2015	Master Student Caique Meira Ronqui Project Title: Hierarchy and naturalness, a complete view of the problem and possible solutions Funding Agency: FAPESP

6. ACADEMIC QUANTITATIVE INDICATORS

- 1 - Books: 0
- 2 - Publications in Refereed Journals: 19
(considering proceedings and preprints: 35)
- 3 - Book Chapters: 0
- 4 - Supervised Master's Dissertations: 1
- 5 - Supervised Ph.D. Thesis: 0

Citation summary

Metric	Citeable papers (proceedings included)	Published only
Total number of papers analyzed:	35	19
Total number of citations:	767	673
Average citations per paper:	21.9	35.4
<i>h-index:</i>	15	14

inSPIRE data - November, 2015 (author:R.D.Matheus.1)

7. GOOGLE SCHOLAR LINK

<http://scholar.google.com.br/citations?user=bUv65YoAAAAJ>

8. OTHER BIOGRAPHICAL INFORMATION

Since 2015 **Member of the “Conselho Curador” (Superior Council) of “Fundação Instituto de Física Teórica”;**
with a 4 year mandate.