

Scientific Resume of Donato Giorgio Torrieri

1 Education

1994	Moderations (Mathematics)	Oxford University (Oriol College)
1997	Mphys (Physics)	Oxford University (Oriol College)
1999	Mphil (Physics)	Birmingham University (UK)
2004	PhD (Physics)	University of Arizona (USA)
2006	Postdoc	McGill University
2008	Postdoc	Frankfurt University/Alexander von Humboldt foundation

2 Work history

Current occupation

Professor (Professor Doutor),
Departamento de Raios Cosmicos e Cronologia
Instituto de Fisica Gleb Wataghin
State University of Campinas, Campinas, Brazil
Passed Estage Probatório, february 2017

Previous employment

2010 to 2014: Visiting research scientist,
Pupin Physics Laboratory, Columbia University, New York

2008-2010: Research fellow, Institute for Theoretical Physics
Johann Wolfgang Goethe Universitat Frankfurt, Germany
Advisor: Profs. Dirk Rischke, Marcus Bleicher

2006-2008: Alexander Von Humboldt fellow, Institute for Theoretical Physics
Johann Wolfgang Goethe Universitat Frankfurt, Germany
Host: Prof. Dirk Rischke

2004-2006: Postdoctoral researcher, McGill University Physics department. Advisers: Charles Gale, SangYong Jeon
Tomlinson fellow, also gave the annual Tomlinson lecture

3 Relevant results (some are based on two related publications, e.g. Phys.Rev.Lett.+Phys.Rev.C)

1. D. Montenegro, L. Tinti and G. Torrieri, Phys. Rev. D **96**, no. 5, 056012 (2017) Addendum: [Phys. Rev. D **96**, no. 7, 079901 (2017)] doi:10.1103/PhysRevD.96.079901, 10.1103/PhysRevD.96.056012 [arXiv:1701.08263 [hep-th]] and Phys. Rev. D **96**, no. 7, 076016 (2017) doi:10.1103/PhysRevD.96.076016 [arXiv:1703.03079 [hep-th]].
2. D. Montenegro and G. Torrieri, Phys. Rev. D **94**, no. 6, 065042 (2016) doi:10.1103/PhysRevD.94.065042 [arXiv:1604.05291 [hep-th]].
3. G. Gambini and G. Torrieri, Eur. Phys. J. A **53**, no. 1, 17 (2017) doi:10.1140/epja/i2017-12205-x [arXiv:1606.07865 [nucl-th]].
4. T. Burch and G. Torrieri, Phys. Rev. D **92**, no. 1, 016009 (2015) arXiv:1502.05421 [hep-lat].
Won Phys.Rev.D Kaleidoscope award (best picture)
5. G. Torrieri, Phys.Rev. C **89** (2014) 024908 arXiv:1310.3529 [nucl-th].
P. Bozek, W. Broniowski and G. Torrieri, Phys. Rev. Lett. **111**, 172303 (2013) arXiv:1307.5060 [nucl-th].
(30+ citations to date)
6. Y. Hatta, J. Noronha, G. Torrieri and B. W. Xiao, Phys. Rev. D **90**, no. 7, 074026 (2014) doi:10.1103/PhysRevD.90.074026 [arXiv:1407.5952 [hep-ph]].
7. G. Torrieri and I. Mishustin, Phys. Rev. C **78**, 021901 (2008) arXiv:0805.0442 [hep-ph].,
G. Torrieri, B. Tomasik and I. Mishustin, Phys. Rev. C **77**, 034903 (2008) [arXiv:0707.4405 [nucl-th]].
(Cited by 100+ publications to date)
8. G. Torrieri, S. Jeon, J. Letessier and J. Rafelski, Comput. Phys. Commun. **175**, 635 (2006) [nucl-th/0603026].
G. Torrieri, S. Jeon and J. Rafelski, Phys. Rev. C **74**, 024901 (2006) [nucl-th/0503026].
(80 citations overall)
9. G. Torrieri, S. Steinke, W. Broniowski, W. Florkowski, J. Letessier and J. Rafelski, "SHARE: Statistical hadronization with resonances," Comput. Phys. Commun. **167**, 229 (2005) [arXiv:nucl-th/0404083]. (130 citations to date)
10. S. Lottini and G. Torrieri, Phys. Rev. C **88**, 024912 (2013) [arXiv:1204.3272 [nucl-th]].
S. Lottini and G. Torrieri, Phys. Rev. Lett. **107**, 152301 (2011) arXiv:1103.4824 [nucl-th].

4 Research grants

- Bolsa de pesquisa FAPESP 2014/13120-7
- Bolsa de produtividade CNPQ 301996/2014-8
- Bolsa de pesquisa FAPESP 2017/06508-7
- Participation to Tematico FAPESP, 2017/05685-2, Física Hadrônica em colisões Nucleares de Altas Energias

5 Student Supervision

Guillermo Gambini Masters Degree, pQCD calculations relevant to quark gluon plasma, terminou fevereiro 2016, tese publicada ([3]), apresentou resultados na conferência Deep Inelastic Scattering 2016 em Hamburg, Alemanha

David Montenegro Masters Degree, theoretical hydrodynamics, terminou setembro 2016
Continuando com doutorado na mesma matéria.
Pesquisa publicada, [1], [2]

Melissa Mendes Masters Degree, field theory applications to cosmology. expected end date: november 2017, based on my past work on viscosity [7] and large N Yang-Mills theories [10]

Henrique Truran Masters Degree, Unruh effect physics. expected end date: may 2017

Kayman Jhosef Masters degree expected end date 2019/2020

Juliano Choi Rodrigues Masters degree, topic in field theory, expected end date 2019/2020

6 Qualitative indicator

From INSPIRE

Citation summary results	Citeable papers	Published only
Very well-known papers (100-249)	3	3
Well-known papers (50-99)	9	9
Known papers (10-49)	40	36
Less known papers (1-9)	47	28
Unknown papers (0)	21	3
h-index	26	25

7 Academic production statistics

Researcher ID H-1776-2014

Profile URL : <http://www.researcherid.com/rid/H-1776-2014>

Google scholar <http://tinyurl.com/k2orbzc>

Inspire <http://inspirehep.net/author/profile/G.Torrieri.1>

Humboldt foundation <https://www.humboldt-life.de/profile/u9925809588>

FAPESP <http://www.bv.fapesp.br/en/pesquisador/674153/donato-giorgio-torrieri/>

LATTES <http://buscatextual.cnpq.br/buscatextual/visualizacv.do?id=K4835518J4>

8 Service and administrative positions

- Assistant editor, EPJA
www.springer.com/journal/10050/edboard
- Outstanding referee, Physical Review Letters (2014)
<http://journals.aps.org/OutstandingReferees>
- Refereed for Physical Review Letters, physical review **C,D**, Phys.Lett.**B**, Journal of Physics **G**
- Conference organization experience
 - International Symposium of Multi-particle dynamics (ISMD) 2009, Homel, Belarus. Co-Convener of the heavy quark session
 - Numerical and Conceptual Issues in Relativistic Hydrodynamics (NCRH2007), held in Frankfurt, Germany, 16-19 April 2007. Organizing committee.
 - Co-convener for the Graduate Student mini-symposium of Strange Quark Matter 2006, March 26-29 2006, UCLA, Los Angeles

9 Languages

- Fluent in English, Russian, Italian, Portuguese
Experience in giving classes in both the Portuguese and English languages
- Basic Italian, Spanish, Polish