

Curriculum Vitæ

Personal data

Name: Daniele
Surname: Binosi
Date of birth: 26/01/1974
Place of birth: Verona
Sex: Male
Citizenship: Italian
Family status: Married, two children
Military service: Exonerated
Permanent Address: Via Valpantena 159E, 37142 Marzana (VR), Italy
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Academic Training

Present Senior researcher ECT*/Fondazione Bruno Kessler (permanent)
Sep 2007 - December 2010 Post-doc fellow ECT* (Trento)
Jan 2008 - July 2008 Leave of absence
Project Officer, European Commission, Directorate F (DG INFSO)
Unit F1- Future and Emerging Technologies Proactive
Feb 2005 - Sep 2007 Post-doc at IQOQI (Innsbruck)
as a member of the European project ERA-Pilot QIST
Jan 2004 - Feb 2005 Post-doc fellow at ECT* (Italy)
Jan 2003 - Dec 2003 Post-doc fellow of the Physics Department
of the University of Valencia

Academic Training (continued)

1999 - 2002	Ph.D studies at Department of Theoretical Physics, University of Valencia
Dec 2002	“Lectura de Tesis Doctoral”; overall grade: Excellent <i>cum laude</i>
1993 - 1998	Physics studies at the University of Trento.
July 1998	“Esame di Laurea”; overall grade: 110/110 <i>cum laude</i>
1988 - 1993	High school.
July 1993	“Esame di Maturitá”; overall grade: 60/60

Awards/Fellowships

Jan 2014	Passed the Italian national habilitation for Associate Professor
Feb 2005	Awarded with the “Premio Extraordinario de Doctorado” of the University of Valencia for the best doctoral thesis of the academic year 2002/2003
Oct 1998 - Jan 1999	Fellow of the University of Trento.
1996-1997	Erasmus Fellowship at the Imperial College (London)
Sep 1997	I.C.I.D. (Imperial College International Diploma) awarded

Spoken Languages

Italian	Mother tongue
English	Spoken (fluent); written (very good)
Spanish	Spoken (fluent); written (very good)

Programming Languages

Procedural	C, Fortran (intermediate level)
Object Oriented	Java (advanced level): Developer of JaxoDraw http://jaxodraw.sourceforge.net
Web	HTML/JavaScript/Perl/Php (intermediate to advanced level).
Operating systems	Windows/Linux/OsX (root level).

Scientific Activity

Author	of more than 80 scientific publications in specialized journals, 1 book and 2 publications in European high profile journals
Lecturer	of the course “Fisica dei nuclei e delle particelle elementari” at the Università Cattolica del Sacro Cuore, Brescia (2008 - 2010)
Lecturer	of the course “Relatività” at the Università Cattolica del Sacro Cuore, Brescia (2006 - 2010)
Lecturer	of the course “Applicazioni della Geometria Lorentziana” at the Università Cattolica del Sacro Cuore, Brescia (2004 - 2006)
Teaching assistantship	for the course “Metodi Matematici III” at the Università Cattolica del Sacro Cuore, Brescia (2004 - 2006)
Teaching assistantship	for the course “Laboratorio de Física Cuántica” at the Universidad de Valencia (2003)
Teaching assistantship	for the course “Metodos Matematicos III” (2002) at the Universidad de Valencia
Project Management Office leader	of the project “RySQ: Rydberg Quantum Simulators” (2015-2018) funded by the European Commission (Project Reference: 640378)
Project Management Office leader	of the project “SIQS: Simulations and Interfaces with Quantum Systems” (2013-2016) funded by the European Commission (Project Reference: 600645)
Project Management Office leader	of the project “AQUTE: Atomic Quantum Technologies” (2010-2013) funded by the European Commission (Project Reference: 247687)

Scientific Activity (continued)

Executive secretary	of the project “QUTE-EUROPE: Quantum Technologies for Europe” (2013-2016) funded by the European Commission (Project Reference: 600788)
Executive secretary	of the project “QUIE ² T: Quantum Information and Entanglement Technologies” (2010-2013) funded by the European Commission (Project Reference: 247597)
Work-Package leader (WP4)	of the project “QUROPE: Quantum Information Processing and Communication in Europe” (2006-2009) funded by the European Commission (Project Reference: 33622)
Member	for the project “Interacciones fundamentales y sus implicaciones experimentales” (2007-2008) grant MCyT BFM2001-0262 (Spain) (Leading researcher: Francisco Botella)
Member	of the project “ERA-Pilot QIST: Structuring Structuring the European Research Area within Quantum Information Science and Technology” (2005-2007) funded by the European Commission (Project Reference: 15789)
Member	of the project GRUPOS03/095 of the Generalitat Valenciana (Spain, 2003) (Leading researcher: José Bernabéu Alberola)
Member	of the project “Dinámica de sistemas complejos Hadrones, núcleos, átomos” (2002-2004) grant MCyT BFM2001-0262 (Spain) (Leading researcher: Jesus Navarro)
Member	of the project “Efectos asociados con la teoría estándar en física nuclear y de partículas” (1998-2001), grant DGICYT PB97-1227 (Spain) (Leading researcher: Vicente Vento Torres)

Publications

See attached list

Trento, January 19, 2017

Daniele Binosi

Publication List

Bibliometric indices

* **Total citations:** 2830 (INSPIRE), 3548 (Google Scholar), 2202 (ISI)

* **h-index:** 24 (INSPIRE), 28 (Google Scholar), 22 (ISI)

Publications in peer reviewed journals

1. **“On the zero crossing of the three-gluon vertex”**
A. Athenodorou, D. Binosi, P. Boucaud, F. De Soto, J. Papavassiliou, J. Rodriguez-Quintero and S. Zafeiropoulos.
Phys. Lett. B **761**, 444 (2016) [arXiv:1607.01278 [hep-ph]]
2. **“Unified description of seagull cancellations and infrared finiteness of gluon propagators”**
A. C. Aguilar, D. Binosi, C. T. Figueiredo and J. Papavassiliou.
Phys. Rev. D **94**, no. 4, 045002 (2016) [arXiv:1604.08456 [hep-ph]]
3. **“Symmetry preserving truncations of the gap and Bethe-Salpeter equations”**
D. Binosi, L. Chang, J. Papavassiliou, S. X. Qin and C. D. Roberts.
Phys. Rev. D **93**, no. 9, 096010 (2016) [arXiv:1601.05441 [nucl-th]]
4. **“The Cosmological Slavnov-Taylor Identity from BRST Symmetry in Single-Field Inflation”**
D. Binosi and A. Quadri.
JCAP **1603**, no. 03, 045 (2016) [arXiv:1511.09309 [hep-th]]
5. **“The Gluon Mass Generation Mechanism: A Concise Primer”**
A. C. Aguilar, D. Binosi and J. Papavassiliou.
Front. Phys. China **11**, no. 2, 111203 (2016) [arXiv:1511.08361 [hep-ph]]
6. **“Lattice gluon propagator in renormalizable ξ gauges”**
P. Bicudo, D. Binosi, N. Cardoso, O. Oliveira and P. J. Silva.
Phys. Rev. D **92**, no. 11, 114514 (2015) [arXiv:1505.05897 [hep-lat]]
7. **“Yang-Mills two-point functions in linear covariant gauges”**
A. C. Aguilar, D. Binosi and J. Papavassiliou.
Phys. Rev. D **91**, no. 8, 085014 (2015) [arXiv:1501.07150 [hep-ph]]
8. **“Bridging a gap between continuum-QCD and ab initio predictions of hadron observables”**
D. Binosi, L. Chang, J. Papavassiliou and C. D. Roberts.
Phys. Lett. B **742**, 183 (2015) [arXiv:1412.4782 [nucl-th]]
9. **“Renormalization Group Equation for Weakly Power Counting Renormalizable Theories”**
D. Bettinelli, D. Binosi and A. Quadri,
Eur. Phys. J. C **74**, no. 9, 3049 (2014) [arXiv:1407.4009 [hep-th]]
10. **“Nonperturbative study of the four gluon vertex”**
D. Binosi, D. Ibañez and J. Papavassiliou,
JHEP **1409**, 059 (2014) [arXiv:1407.3677 [hep-ph]]

11. **“New method for determining the quark-gluon vertex”**
A. C. Aguilar, D. Binosi, D. Ibañez and J. Papavassiliou.
Phys. Rev. D **90**, no. 6, 065027 (2014) [arXiv:1405.3506 [hep-ph]]
12. **“High-energy QCD evolution from BRST symmetry”**
D. Binosi, A. Quadri and D. N. Triantafyllopoulos,
Eur. Phys. J. C **74**, 2928 (2014) [arXiv:1402.4022 [hep-ph]]
13. **“Renormalization group analysis of the gluon mass equation”**
A. C. Aguilar, D. Binosi and J. Papavassiliou,
Phys. Rev. D **89**, 085032 (2014) [arXiv:1401.3631 [hep-ph]]
14. **“Effects of divergent ghost loops on the Green’s functions of QCD”**
A. C. Aguilar, D. Binosi, D. Ibañez and J. Papavassiliou,
Phys. Rev. D **89**, 085008 (2014) [arXiv:1312.1212 [hep-ph]]
15. **“Anti-BRST symmetry and background field method”**
D. Binosi and A. Quadri,
Phys. Rev. D **88**, 085036 (2013) [arXiv:1309.1021 [hep-th]]
16. **“Gluon mass generation in the presence of dynamical quarks”**
A. C. Aguilar, D. Binosi and J. Papavassiliou,
Phys. Rev. D **88**, 074010 (2013) [arXiv:1304.5936 [hep-ph]]
17. **“QCD effective charge from the three-gluon vertex of the background-field method”**
D. Binosi, D. Ibañez and J. Papavassiliou.
Phys. Rev. D **87**, 125026 (2013) [arXiv:1304.2594 [hep-ph]]
18. **“Scalar Resonances in the Non-linearly Realized Electroweak Theory”**
D. Binosi and A. Quadri,
JHEP **1302**, 020 (2013) [arXiv:1210.2637 [hep-ph]]
19. **“The all-order equation of the effective gluon mass”**
D. Binosi, D. Ibañez and J. Papavassiliou,
Phys. Rev. D **86** (2012) 085033 [arXiv:1208.1451 [hep-ph]]
20. **“Quark flavour effects on gluon and ghost propagators”**
A. Ayala, A. Bashir, D. Binosi, M. Cristoforetti and J. Rodriguez-Quintero,
Phys. Rev. D **86** (2012) 074512 [arXiv:1208.0795 [hep-ph]]
21. **“Unquenching the gluon propagator with Schwinger-Dyson equations”**
A. C. Aguilar, D. Binosi and J. Papavassiliou
Phys. Rev. D **86**, 014032 (2012) [arXiv:1204.3868 [hep-ph]]
22. **“The Background Field Method as a Canonical Transformation”**
D. Binosi and A. Quadri
Phys. Rev. D **85**, 121702(R) (2012) [arXiv:1203.6637 [hep-th]]
23. **“Canonical Transformations and Renormalization Group Invariance in the presence of Non-trivial Backgrounds”**
D. Binosi and A. Quadri
Phys. Rev. D **84**, 065017 (2012) [arXiv:1201.1807 [hep-th]]
24. **“Gluon mass through ghost synergy”**
A. C. Aguilar, D. Binosi and J. Papavassiliou
JHEP **1201**, 050 (2012) [arXiv:1108.5989 [hep-ph]]
25. **“The dynamical equation of the effective gluon mass”**
A. C. Aguilar, D. Binosi and J. Papavassiliou,
Phys. Rev. D **84**, 085026 (2011) [arXiv:1107.3968 [hep-ph]]

26. **“Slavnov-Taylor constraints for non-trivial backgrounds”**
D. Binosi and A. Quadri
Phys. Rev. D **84**, 065017 (2011) [arXiv:1106.3240 [hep-th]]
27. **“Gauge invariant Ansatz for a special three-gluon vertex”**
D. Binosi and J. Papavassiliou
JHEP **1103**, 121 (2011) [arXiv:1102.5662 [hep-ph]]
28. **“Nonperturbative gluon and ghost propagators for d=3 Yang-Mills”**
A. C. Aguilar, D. Binosi and J. Papavassiliou
Phys. Rev. D **81**, 125025 (2010) [arXiv:1004.2011 [hep-ph]]
29. **“QCD effective charges from lattice data”**
A. C. Aguilar, D. Binosi and J. Papavassiliou
JHEP **1007**, 002 (2010) [arXiv:1004.1105 [hep-ph]]
30. **“Pinch Technique: Theory and Applications”**
D. Binosi and J. Papavassiliou
Phys. Rept. **479**, 1 (2009) [arXiv:0909.2536 [hep-ph]]
31. **“Indirect determination of the Kugo-Ojima function from lattice data”**
A. C. Aguilar, D. Binosi and J. Papavassiliou
JHEP **0911**, 066 (2009) [arXiv:0907.0153 [hep-ph]]
32. **“Non-perturbative comparison of QCD effective charges”**
A. C. Aguilar, D. Binosi, J. Papavassiliou and J. Rodriguez-Quintero
Phys. Rev. D **80**, 085018 (2009) [arXiv:0906.2633 [hep-ph]]
33. **“JaxoDraw: A graphical user interface for drawing Feynman diagrams. Version 2.0 release notes”**
D. Binosi, J. Collins, C. Kaufhold and L. Theussl
Comput. Phys. Commun. **180**, 1709 (2009) [arXiv:0811.4113 [hep-ph]]
34. **“New Schwinger-Dyson equations for non-Abelian gauge theories”**
D. Binosi and J. Papavassiliou
JHEP **11**, 063 (2008) [arXiv:0805.3994 [hep-ph]]
35. **“Gluon and ghost propagators in the Landau gauge: Deriving lattice results from Schwinger-Dyson equations”**
A. C. Aguilar, D. Binosi and J. Papavassiliou
Phys. Rev. D **78**, 025010 (2008) [arXiv:0802.1870 [hep-ph]]
36. **“Gauge-invariant truncation scheme for the Schwinger-Dyson equations of QCD”**
D. Binosi and J. Papavassiliou
Phys. Rev. D **77**, 061702(R) (2008) [arXiv:0712.2707 [hep-ph]]
37. **“Increasing entanglement through engineered disorder in the random Ising chain”**
D. Binosi, G. De Chiara, S. Montangero and A. Recati
Phys. Rev. B **76**, 140405(R) (2007) [arXiv:cond-mat/0707.0266]
38. **“The effect of electromagnetic fields on the lifetime of unstable particles”**
D. Binosi and V. Pascalutsa
J. Phys. G **36**, 045001 (2009) [arXiv:0704.0377 [hep-ph]]
39. **“Non-perturbative pinch technique”**
D. Binosi and J. Papavassiliou
JHEP **0703**, 041 (2007) [arXiv:hep-ph/0611354]
40. **“CP violation through particle mixing and the H - A lineshape”**
J. Bernabeu, D. Binosi and J. Papavassiliou
JHEP **0609**, 023 (2006) [arXiv:hep-ph/0604046]

41. **Quantum Information Classification Scheme**
D. Binosi, T. Calarco, R. Fazio and P. Zoller
Eur. Phys. J. D **38**, 237 (2006)
42. **Quantum information processing and communication: Strategic report on current status, visions and goals for research in Europe**
P. Zoller *et al.*
Eur. Phys. J. D **36**, 203, (2005)
43. **“Displacement operator formalism for renormalization and gauge dependence to all orders”**
D. Binosi, J. Papavassiliou and A. Pilaftsis
Phys. Rev. D **71**, 085007 (2005) [arXiv:hep-ph/0501259]
44. **“The neutrino charge radius in the presence of fermion masses”**
J. Bernabeu, J. Papavassiliou and D. Binosi
Nucl. Phys. B **716**, 352 (2005) [arXiv:hep-ph/0405288]
45. **“Forward-backward equations for nonlinear propagation in axially-invariant optical systems”**,
D. Binosi, A. Ferrando, M. Zcares, P. de Cordoba and A. Montero
Phys Rev. E **71**, 016601 (2005)
46. **“Electroweak pinch technique to all orders”**
D. Binosi
J. Phys. G **30**, 1021 (2004) [arXiv:hep-ph/0401182]
47. **“The effective neutrino charge radius”**
J. Papavassiliou, J. Bernabeu, D. Binosi and J. Vidal
Eur. Phys. J. C **33**, S865 (2004) [arXiv:hep-ph/0310028]
48. **“Vortex solitons in photonic crystal fibers”**
D. Binosi, A. Ferrando, M. Zcares, P. de Cordoba and J. Monsoriu
Optics Express **12**, No. 5, 817 (2003)
49. **“BRST-driven cancellations and gauge invariant Green’s functions”**
D. Binosi and J. Papavassiliou
Nucl. Phys. Proc. Suppl. **133**, 281 (2004) [arXiv:hep-ph/0310149]
50. **“JaxoDraw: A graphical user interface for drawing Feynman diagrams”**
D. Binosi and L. Theussl
Comput. Phys. Commun. **161**, 76 (2004) [arXiv:hep-ph/0309015]
51. **“Spatial soliton formation in photonic crystal fibers”**
D. Binosi, A. Ferrando, M. Zcares, P. de Cordoba and J. Monsoriu
Optics Express **11**, No. 5, 482 (2003)
52. **“Pinch technique self-energies and vertices to all orders in perturbation theory”**
D. Binosi and J. Papavassiliou
J. Phys. G **30**, 203 (2004) [arXiv:hep-ph/0301096]
53. **“The pinch technique to all orders”**
D. Binosi and J. Papavassiliou
Phys. Rev. D **66**, 111901 (2002) [arXiv:hep-ph/0208189]
54. **“The two-loop pinch technique in the electroweak sector”**
D. Binosi and J. Papavassiliou
Phys. Rev. D **66**, 076010 (2002) [arXiv:hep-ph/0204308]
55. **“Pinch technique and the Batalin-Vilkovisky formalism”**
D. Binosi and J. Papavassiliou
Phys. Rev. D **66**, 025024 (2002) [arXiv:hep-ph/0204128]

56. **“Gauge-independent off-shell fermion self-energies at two loops: The cases of QED and QCD”**
 D. Binosi and J. Papavassiliou
 Phys. Rev. D **65**, 085003 (2002) [arXiv:hep-ph/0110238]
57. **“Single spin asymmetry parameter from deeply virtual Compton scattering of hadrons up to twist-3 accuracy. I: Pion case”**
 I. V. Anikin, D. Binosi, R. Medrano, S. Noguera and V. Vento
 Eur. Phys. J. A **14**, 95 (2002) [arXiv:hep-ph/0109139]
58. **“Domain walls in supersymmetric QCD: The taming of the zoo”**
 D. Binosi and T. ter Veldhuis
 Phys. Rev. D **63**, 085016 (2001) [arXiv:hep-th/0011113]
59. **“Leaving the BPS bound: Tunneling of classically saturated solitons”**
 D. Binosi, M. A. Shifman and T. ter Veldhuis
 Phys. Rev. D **63**, 025006 (2001) [arXiv:hep-th/0006026]
60. **“Domain wall junctions in a generalized Wess-Zumino model”**
 D. Binosi and T. ter Veldhuis
 Phys. Lett. B **476**, 124 (2000) [arXiv:hep-th/9912081]
61. **“Quantum scalar field in D-dimensional static black hole space-times”**
 D. Binosi and S. Zerbini
 J. Math. Phys. **40**, 5106 (1999) [arXiv:gr-qc/9901036]
62. **“Quantum scalar field on the massless (2+1)-dimensional black hole background”**
 D. Binosi, V. Moretti, L. Vanzo and S. Zerbini
 Phys. Rev. D **59**, 104017 (1999) [arXiv:gr-qc/9809041]

Conference proceedings

63. **“From continuum QCD to hadron observables”**
 D. Binosi.
 EPJ Web Conf. **113**, 05002 (2016) [arXiv:1511.08379 [hep-ph]]
64. **“Gauge fixing and the gluon propagator in renormalizable ξ gauges”**
 P. Bicudo, D. Binosi, N. Cardoso, O. Oliveira and P. J. Silva.
 PoS LATTICE **2015**, 317 (2016) [arXiv:1509.06737 [hep-lat]]
65. **“The two-, three- and four-gluon sector of QCD in the Landau gauge”**
 D. Binosi.
 J. Phys. Conf. Ser. **631**, no. 1, 012066 (2015) [arXiv:1503.05106 [hep-ph]]
66. **“Nonperturbative effects of divergent ghost loops”**
 D. Binosi and D. Ibáñez.
 Acta Phys. Polon. Supp. **7**, no. 3, 591 (2014) [arXiv:1404.7272 [hep-ph]]
67. **“Slavnov-Taylor Identity for the Effective Field Theory of the Color Glass Condensate”**
 D. Binosi, A. Quadri and D. N. Triantafyllopoulos.
 PoS EPS **-HEP2013**, 189 (2013) [arXiv:1402.4405 [hep-ph]]
68. **“Slavnov-Taylor Identity for the Effective Field Theory of the Color Glass Condensate”**
 D. Binosi, A. Quadri and D. N. Triantafyllopoulos,
 PoS EPS **-HEP2013**, 189 (2013) [arXiv:1402.4405 [hep-ph]]
69. **“Gauge theories with non-trivial backgrounds”**
 D. Binosi,
 PoS QCD **-TNT-III**, 006 (2014) [arXiv:1401.3625 [hep-th]]

70. **“Nonlinearly Realized Gauge Theories for LHC Physics”**
D. Bettinelli, D. Binosi and A. Quadri,
PoS EPS -**HEP2013**, 012 (2014) [arXiv:1309.2882 [hep-ph]]
71. **“Nonperturbative results on the quark-gluon vertex”**
A. C. Aguilar, D. Binosi, J. C. Cardona and J. Papavassiliou,
PoS ConfinementX , 103 (2012) [arXiv:1301.4057 [hep-ph]]
72. **“Unquenching the infrared sector of QCD”**
D. Binosi,
PoS ConfinementX , 092 (2012) [arXiv:1301.2505 [hep-ph]]
73. **“Recent results in the infrared sector of QCD”**
D. Binosi
Acta Phys. Polon. Supp. **5** (2012) 993 [arXiv:1208.5924 [hep-ph]]
74. **“Canonical transformations in gauge theories with non-trivial backgrounds”**
D. Binosi and A. Quadri
PoS QNP **2012** (2012) 110 [arXiv:1206.2151 [hep-th]]
75. **“QCD Green’s functions, confinement and phenomenology. Proceedings, International Workshop, QCD-TNT-II, Trento, Italy, September 5-9, 2011”**
D. Binosi, (ed.), A. C. Aguilar, (ed.), J. M. Cornwall, (ed.) and J. Papavassiliou, (ed.)
PoS **QCD-TNT-II (2011)** nonconsec. pag
76. **“Infrared properties of the gluon mass equation”**
D. Binosi and J. Papavassiliou
PoS **QCD-TNT-II**, 006 (2011) [arXiv:1112.5027 [hep-ph]].
77. **“IR Properties of Yang-Mills Theories from the Batalin-Vilkovisky Formalism”**
D. Binosi,
PoS **FACESQCD** , 025 (2010) [arXiv:1102.2795 [hep-ph]].
78. **“A dynamical study of the Kugo-Ojima function”**
D. Binosi,
AIP Conf. Proc. **1343**, 161 (2011) [arXiv:1012.0245 [hep-ph]]
79. **“Dynamical gluon mass generation and the IR sector of QCD”**
D. Binosi
PoS **LC2010**, 020 (2010) [arXiv:1010.5254 [hep-ph]]
80. **“The IR sector of QCD: lattice versus Schwinger-Dyson equations”**
D. Binosi
AIP Conf. Proc. **1317**, 168 (2011) [arXiv:1010.2945 [hep-ph]]
81. **“QCD Green’s functions, confinement and phenomenology. Proceedings, International Workshop, QCD-TNT09, Trento, Italy, September 7-11, 2009”**
D. Binosi, (ed.), A. C. Aguilar, (ed.), J. M. Cornwall, (ed.) and J. Papavassiliou, (ed.),
PoS **QCD-TNT09** (2009), nonconsec. pag
82. **“On the dynamics of the Kugo-Ojima function”**
D. Binosi
PoS **QCD-TNT09**, 004 (2009) [arXiv:0911.0315 [hep-ph]]
83. **“Infrared finite effective charge of QCD”**
A. C. Aguilar, D. Binosi and J. Papavassiliou
PoS **LC2008**, 050 (2008) [arXiv:0810.2333 [hep-ph]]
84. **“Displacement operator formalism”**
J. Papavassiliou, D. Binosi and A. Pilaftsis
PoS **HEP2005**, 163 (2006) [arXiv:hep-ph/0512030]

85. **“The QCD effective charge to all orders”**
D. Binosi and J. Papavassiliou
Nucl. Phys. Proc. Suppl. **121**, 281 (2003) [arXiv:hep-ph/0209016]

Preprints

86. **“Process-independent strong running coupling”**
D. Binosi, C. Mezrag, J. Papavassiliou, C. D. Roberts and J. Rodriguez-Quintero.
arXiv:1612.04835 [nucl-th]
87. **“Scale-setting, flavour dependence and chiral symmetry restoration”**
D. Binosi, C. D. Roberts and J. Rodriguez-Quintero.
arXiv:1611.03523 [nucl-th]
88. **“Schwinger mechanism in linear covariant gauges”**
A. C. Aguilar, D. Binosi and J. Papavassiliou.
arXiv:1611.02096 [hep-ph]
89. **“Natural constraints on the gluon-quark vertex”**
D. Binosi, L. Chang, J. Papavassiliou, S. X. Qin and C. D. Roberts.
arXiv:1609.02568 [nucl-th]
90. **“PARTONS: PARTonic Tomography Of Nucleon Software. A computing platform for the phenomenology of Generalized Parton Distributions”**
B. Berthou *et al.*
arXiv:1512.06174 [hep-ph]

Books

91. **“The Pinch Technique and its Applications to Non-Abelian Gauge Theories”**
J. M. Cornwall, J. Papavassiliou and D. Binosi
Cambridge Monographs on Particle Physics, Nuclear Physics and Cosmology (No. 31)
Cambridge University Press, December 2010

Others

92. **Small steps that will lead to quantum leaps**
T. Calarco, P. Grangier, A. Wallraff, P. Zoller and D. Binosi (editing author)
eStrategies Projects, Issue 7 (October 2008)
93. **A quantum leap in computing power**
T. Calarco (editing author), M. Aspelmayer, D. Binosi, R. Blatt, E. Polzik, A. Zeilinger
Public Service Review: European Union, Issue 15, 438 (2007)

Daniele Binosi
January 19, 2017