

List of Publications of Prof. Emidio Gabrielli

Peer-reviewed scientific articles

- [1] title: **The production of weak intermediate bosons in e-p reactions**
journal: Modern Physics Letters **A**, Vol.1, No.8 (1986) 465
- [2] title: **Quark-antiquark pair production via γW fusion at high energy e^+e^- colliders**
co-authors: M. Ciuchini, E. Franco
journal: Z. Phys. **C 47** (1990) 577
- [3] title: **Renormalization of lattice two fermion operators with improved nearest neighbour action**
co-authors: G. Heatlie, G. Martinelli, C. Pittori, C.T. Sachrajda
journal: Nucl. Phys. **B362** (1991), 475
- [4] title: **Extended pure Yang Mills gauge theories with scalar and tensor gauge fields**
journal: Phys. Lett. **B258** (1991) 151
- [5] title: **Four-Fermion Operators with improved nearest-neighbour action**
co-authors: R. Frezzotti, C. Pittori, G.C. Rossi
journal: Nucl. Phys. **B373** (1992) 781
- [6] title: **New improved operators: a convenient redefinition**
co-authors: A. Borrelli, R. Frezzotti, C. Pittori
journal: Nucl. Phys. **B409** (1993) 392
- [7] title: **The decays $K^+ \rightarrow e^+\nu_e\gamma$ and $K^+ \rightarrow \mu^+\nu_\mu\gamma$, and tensorial coupling in the effective weak hamiltonian**
journal: Phys. Lett. **B301** (1993) 409
- [8] title: **Instanton effects in the light-quark masses determination from QCD sum rules**
co-author: P. Nason
journal: Phys. Lett. **B313** (1993) 430
- [9] title: **Higgs production in association with a vector boson pair at future e^+e^- colliders**
co-authors: M. Baillargeon, F. Boudjema, F. Coupyers, B. Mele
journal: Nucl. Phys. **B424** (1994) 343
- [10] title: **The relevance of the dipole penguin operators in ϵ'/ϵ**
co-authors: S. Bertolini, M. Fabbrichesi
journal: Phys. Lett. **B327** (1994) 136
- [11] title: **Supersymmetric corrections to ϵ and ϵ'/ϵ at the leading order in QCD and QED**
co-author: G.F. Giudice
journal: Nucl. Phys. **B433** (1995) 3
- [12] title: **Flavour changing neutral currents and CP violating processes in generalized supersymmetric theories**
co-authors: A. Masiero, L. Silvestrini
journal: Phys. Lett. **B374** (1996) 80

- [13] title: **A complete analysis of FCNC and CP constraints in general susy extensions of the standard model**
co-authors: F. Gabbiani, A. Masiero, L. Silvestrini
journal: Nucl. Phys. **B477** (1996) 321
- [14] title: **The chromomagnetic dipole operator and the B semileptonic branching ratio**
co-authors: M. Ciuchini, G.F. Giudice
journal: Phys. Lett. **B388** (1996) 353
- [15] title: **$Z\gamma H$ vertex effects in Higgs production at future $e\gamma$ linear colliders.**
co-authors: V.A. Ilyin, B. Mele
journal: Phys. Rev. **D56** (1997) 5945
- [16] title: **Low-energy signals for a minimal gauge mediated model.**
co-author: U. Sarid
journal: Phys. Rev. Lett. **79** (1997) 4752
- [17] title: **Imminent phenomenology of a minimal gauge-mediated model.**
co-author: U. Sarid
journal: Phys. Rev **D58** (1998) 115003
- [18] title: **Looking for anomalous $\gamma\gamma H$ and $Z\gamma H$ couplings effects at future linear colliders.**
co-authors: V.A. Ilyin, B. Mele
journal: Phys. Rev **D60** (1999) 113005
- [19] title: **Quenched Supersymmetry**
co-authors: A. Donini, B. Gavela
journal: Nucl. Phys. **B546** (1999) 119
- [20] title: **N=1 Supersymmetric Yang-Mills on the lattice at strong coupling**
co-authors: A. Gonzalez-Arroyo, C. Pena
journal: Int. J. Mod. Phys. **A15** (2000) 553
- [21] title: **Extended Yang-Mills Theories in Euclidean space with higher spin fields.**
journal: Annals Phys. **287** (2001) 229
- [22] title: **Model independent constraints on leptoquarks from rare muon and tau lepton processes**
journal: Phys. Rev. **D62** (2000) 055009
- [23] title: **The $b \rightarrow s\gamma$ decay in SUSY models with nonuniversal A terms**
co-authors: S. Khalil, E. Torrente-Lujan
journal: Nucl. Phys. **B594** (2001) 3
- [24] title: **Initial scales, supersymmetric Dark Matter and variations of neutralino nucleon cross sections**
co-authors: S. Khalil, C. Munoz, E. Torrente-Lujan
journal: Phys. Rev. **D63** (2001) 025008
- [25] title: **Determination of the string scale in D-brane scenarios and Dark Matter implications**
co-authors: D.G. Cerdeno, S. Khalil, C. Munoz, E. Torrente-Lujan
journal: Nucl. Phys. **B603** (2001) 231
- [26] title: **Muon anomalous magnetic moment in supersymmetric models with intermediate scale**
co-authors: D.G. Cerdeño, S. Khalil, C. Muñoz, E. Torrente-Lujan
journal: Phys. Rev. **D64** (2001) 093012

- [27] title: **g-2 of the muon in SUSY models with Gauge multiplets in the Bulk of Extra-dimensions**
co-authors: K. Enqvist, K. Huitu
journal: Phys. Lett. **B512** (2001) 107
- [28] title: **Vacuum stability bounds in anomaly and gaugino mediated SUSY breaking models**
co-authors: K. Huitu, S. Roy
journal: Phys. Rev. **D65** (2002) 075005
- [29] title: **On the $B \rightarrow X_s \rightarrow l^+l^-$ decays in general supersymmetric models**
co-author: S. Khalil
journal: Phys. Lett. **B530** (2002) 133
- [30] title: **Gravitational decays of heavy particles in large extra dimensions**
co-author: B. Mele
journal: Nucl. Phys. **B647** (2002) 319
- [31] title: **Constraining supersymmetric models from $B_d - \bar{B}_d$ mixing and the $B \rightarrow J/\Psi K_S$ asymmetry**
co-author: S. Khalil
journal: Phys. Rev. **D67** (2003) 015008
- [32] title: **Virtual graviton exchanges at the Z pole in large extra dimensions**
co-authors: A. Datta, B. Mele
journal: Phys. Lett. **B552** (2003) 237
- [33] title: **Large extra dimension effects in Higgs boson production at linear colliders and Higgs factories**
co-authors: A. Datta, B. Mele
journal: JHEP **0310:003** (2003)
- [34] title: **Neutralino Nucleon cross section and charge and color breaking constraints**
co-authors: D.G. Cerdeño, M.E. Gomez, C. Muñoz, E. Torrente-Lujan
journal: JHEP **0306:030** (2003)
- [35] title: **Chargino contribution to the CP asymmetry in $B \rightarrow \Phi K_S$ decay**
co-authors: D. Chakraverty, K. Huitu, S. Khalil
journal: Phys. Rev. **D68** (2003) 095004
- [36] title: **Violation of angular momentum selection rules in quantum gravity**
co-authors: A. Datta, B. Mele
journal: Phys. Lett. **B579** (2004) 189
- [37] title: **Comparative study of CP asymmetries in supersymmetric models**
co-authors: K. Huitu, S. Khalil
journal: Nucl. Phys. **B710** (2005) 139
- [38] title: **Light mesons and muon radiative decays and photon polarization asymmetry**
co-author: Luca Trentadue
journal: Nucl. Phys. **B792** (2008) 48
- [39] title: **Photon propagation in magnetic and electric fields with scalar/pseudoscalar couplings: a new look**
co-authors: K. Huitu, S. Roy
journal: Phys. Rev. **D74** (2006) 073002
- [40] title: **Phenomenological viability of neutralino dark matter in the Next-to-Minimal Supersymmetric Standard Model**
co-authors: D.G. Cerdeño, D.E. López-Fogliani, C. Muñoz, A.M. Teixeira
journal: JCAP06 (2007) 008

- [41] title: **Higgs boson production in association with a photon in vector boson fusion at LHC**
co-authors: F. Maltoni, B. Mele, M. Moretti, F. Piccinini, R. Pittau,
journal: Nucl. Phys. **B781** (2007) 64
- [42] title: **Higgs boson plus photon production at the LHC: a clean probe of the b-quark parton densities**
co-authors: B. Mele, J. Rathsman
journal: Phys. Rev. **D77** (2008) 015007
- [43] title: **On the dynamical breaking of chiral symmetry: A New mechanism**
journal: Phys. Rev. **D77** (2008) 055020
- [44] title: **Flavor Changing Fermion-Graviton Vertices**
co-authors: G. Degrassi, L. Trentadue
journal: Phys. Rev. **D79** (2009) 053004
- [45] title: **Testing Effective Yukawa Couplings in Higgs Searches at the Tevatron and LHC**
co-author: B. Mele
journal: Phys. Rev. **D82** (2010) 113014
- [46] title: **Effective Yukawa couplings and flavor-changing Higgs boson decays at linear colliders**
co-author: B. Mele
journal: Phys. Rev. **D83** (2011) 073009
- [47] title: **Effective axial-vector coupling of gluon as an explanation to the top quark asymmetry**
co-author: M. Raidal
journal: Phys. Rev. **D84** (2011) 054017
- [48] title: **Implications of the effective axial-vector coupling of gluon on top-quark charge asymmetry at the LHC**
co-authors: A. Racioppi, M. Raidal
journal: Phys. Rev. **D85** (2012) 074021
- [49] title: **Has a fermiophobic Higgs boson been detected at the LHC ?**
co-authors: B. Mele, M. Raidal
journal: Phys. Lett. **B716** (2012) 322
- [50] title: **Fermiophobic Higgs boson and supersymmetry**
co-authors: K. Kannike, B. Mele, A. Racioppi, M. Raidal
journal: Phys. Rev. **D86** (2012) 055014
- [51] title: **Single top and Higgs associated production as a probe of the Htt coupling sign at**
co-authors: S. Biswas, B. Mele
journal: JHEP **1301** (2013) 088
- [52] title: **Implications of effective axial-vector coupling of gluon for $t\bar{t}$ spin polarizations at the LHC**
co-authors: A. Racioppi, M. Raidal, H. Veermae
journal: Phys. Rev. **D87** (2013) 054001
- [53] title: **One loop Standard Model corrections to flavor diagonal fermion-graviton vertices**
co-authors: C. Coriano, L. Delle Rose, L. Trentadue
journal: Phys. Rev. **D87** (2013) 054020

- [54] title: **Mass Corrections to Flavor-Changing Fermion-Graviton Vertices in the Standard Model**
co-authors: C. Coriano, L. Delle Rose, L. Trentadue
journal: Phys. Rev. **D88** (2013) 085008
- [55] title: **Direct constraints on the top-Higgs coupling from the 8 TeV LHC data**
co-authors: S. Biswas, F. Margaroli, B. Mele
journal: JHEP **07** (2013) 073
- [56] title: **Towards completing the Standard Model: Vacuum Stability, EWSB and Dark Matter**
co-authors: M. Heikinheimo, K. Kannike, A. Racioppi, M. Raidal, C. Spethmann
journal: Phys Rev **D89** (2014) 015017
- [57] title: **Exponentially spread dynamical Yukawa couplings from non-perturbative chiral symmetry breaking in the dark sector**
co-author: M. Raidal
journal: Phys Rev **D89** (2014) 015008
- [58] title: **Anomalous Higgs-boson coupling effects in HWW production at the LHC**
co-authors: M. Heikinheimo, L. Marzola, B. Mele, C. Spethmann, H. Veermae
journal: Phys Rev **D89** (2014) 053012
- [59] title: **Fermion scattering in a gravitational background: Electroweak corrections and Flavour transitions**
co-authors: C. Coriano, L. Delle Rose, L. Trentadue
journal: JHEP **1403** (2014) 136
- [60] title: **Enhancing the $t\bar{t}H$ signal through top-quark spin polarization effects at the LHC**
co-authors: S. Biswas, R. Frederix, B. Mele
journal: JHEP **1407** (2014) 020
- [61] title: **Dark photons and resonant monophoton signatures in Higgs boson decays at the LHC**
co-authors: M. Heikinheimo, B. Mele, M. Raidal
journal: Phys. Rev. D **90** (2014) 055032
- [62] title: **Higgs-boson production in association with a Dark Photon in e^-e^- collisions**
co-authors: S. Biswas, M. Heikinheimo, B. Mele
journal: JHEP **1506** (2015) 102
- [63] title: **Dark matter and spin-1 milli-charged particles**
co-authors: L. Marzola, M. Raidal, H. Veermäe
journal: JHEP **1508** (2015) 150
- [64] title: **A SUSY Inspired Simplified Model for the 750 GeV Diphoton Excess**
co-authors: K. Kannike, B. Mele, M. Raidal, C. Spethmann, H. Veermäe
journal: Phys. Lett. **B756** (2016) 36
- [65] title: **Asking for an extra photon in Higgs production at the LHC and beyond**
co-authors: B. Mele, F. Piccinini, R. Pittau
journal: JHEP **1607** (2016) 003
- [66] title: **Dark-Photon searches via Higgs-boson production at the LHC**
co-authors: S. Biswas, M. Heikinheimo, B. Mele
journal: Phys. Rev. D **93** (2016) 093011
- [67] title: **Polarization observables for millicharged particles in photon collisions**
co-authors: L. Marzola, E. Milotti, H. Veermäe
journal: Phys. Rev. D **94** (2016) 095014, Erratum: Phys.Rev. D **95** (2017) 119903

- [68] title: **FCNC decays of standard model fermions into a dark photon**
co-authors: B. Mele, M. Raidal, E. Venturini
journal: Phys. Rev. D **94** (2016) 115013
- [69] title: **Radiative Yukawa Couplings in the Simplest Left-Right Symmetric Model**
co-authors: L. Marzola, M. Raidal
journal: Phys. Rev. D **95** (2017) 035005
- [70] title: **Dark-photon searches via ZH production at e^+e^- colliders**
co-authors: S. Biswas, M. Heikinheimo, B. Mele
journal: Phys. Rev. D **96** (2017) 055012
- [71] title: **Hunting down massless dark photons in kaon physics**
co-authors: M. Fabbrichesi, B. Mele
journal: Phys. Rev. Lett. **119** (2017) 031801
- [72] title: **Z boson decay into light and darkness**
co-authors: M. Fabbrichesi, B. Mele
journal: Phys. Rev. Lett. **120** (2018) 171803
- [73] title: **Neutral Hadrons Disappearing into the Darkness**
co-authors: D. Balducci, M. Fabbrichesi
journal: Phys. Rev. **D98** (2018) 035049
- [74] title: **Left-right Supersymmetry as the origin of flavor structure**
co-authors: S. Fraser, C. Marzo, L. Marzola, M. Raidal
journal: Phys. Rev. D **100** (2019) 115002
- [75] title: **Probing axion-like particle portals at future e^+e^- colliders**
co-authors: S. Biswas, A. Chatterjee, B. Mele
journal: Phys. Rev. D **100** (2019) 115040
- [76] title: **Magnetic-dipole corrections to R_K and R_K^* in the Standard Model and Dark Photon scenarios**
co-authors: M. Palmiotta
journal: JHEP **10** (2020) 145
- [77] title: **Dark-sector physics in the search for the rare decays $K^+ \rightarrow \pi^+ \bar{\nu} \nu$ and $K_L \rightarrow \pi^0 \bar{\nu} \nu$**
co-authors: M. Fabbrichesi
journal: Eur. Phys. J. C **80** (2020) 6, 532
- [78] title: **Dark origin of the quark flavor hierarchy and mixing**
co-authors: C. Marzo, L. Marzola, K. M  ursepp
journal: Phys. Rev. D **101** (2020) 075019
- [79] title: **Untangling the spin of a dark boson in Z decays**
co-authors: A. Comelato
journal: Phys. Rev. D **102** (2020) 015028
- [80] title: **Z -boson decays into an invisible dark photon at the LHC, HL-LHC and future lepton colliders**
co-authors: M. Cobal, C. De Dominicis, M. Fabbrichesi, J. Magro, B. Mele, G. Panizzo
journal: Phys. Rev. D **102** (2020) 035027
- [81] title: **Searching for the dark sector in two-body antimuon decay with the polarization of monochromatic positrons**
co-authors: M. Fabbrichesi
journal : Phys. Rev. D **104** (2021) 015039

- [82] title: **Bounds on charged-lepton flavor violations via resonant scattering**
co-authors: B. Mele, R. Onofrio
journal : Phys. Lett. **B 822** (2021) 136656
- [83] title: **Vacuum stability with radiative Yukawa couplings**
co-authors: , L. Marzola, K. Mürsepp, R. OuyangB
journal: JHEP 01 (2022) 142
- [84] title: **Mono-chromatic single photon events at the muon collider**
co-authors: , M. Casarsa and M. Fabbrichesi
journal: Phys. Rev. D **105** (2022) 7
- [85] title: **Dark Photon Searches via Higgs Boson Production at the LHC and Beyond**
co-authors: S. Biswas and B. Mele
journal: Symmetry **14** (2022) 8, 1522

Recent articles under peer-review

- [1a] title: **Constraining new physics in entangled two-qubit systems: top-quark, tau-lepton and photon pairs**
co-authors: M. Fabbrichesi and R. Floreanini
e-Print: 2208.11723 [hep-ph]

Books

- [1b] title: **The Physics of the Dark Photon - A Primer**
co-authors: M. Fabbrichesi, G. Lanfranchi
SpringerBriefs in Physics 2020, Springer
DOI: 10.1007/978-3-030-62519-1
e-Print: 2005.01515 [hep-ph]

Articles in Conference proceedings and Workshops

- [1c] title: **Single weak gauge boson production at CLIC**
conferenza: Workshop on Physics at Future Accelerators, 7-13 Jan 1987. *La Thuile, Italy and Geneva, Switzerland*
journal: CERN-87-07 Vol. II, 1
- [2c] title: **Improved computation in lattice QCD**
co-authors: G. Heatlie, G. Martinelli, C. Pittori, G.C. Rossi, C.T. Sachrajda, A. Vladikas:
conferenza: LATTICE 90: International Conference on Lattice Field Theory, 8-12 Oct 1990. Tallahassee, Florida, US.
journal: Nucl. Phys. Proc. Suppl. **20** (1991) 448-454.
- [3c] title: **The charged K decays and tensorial coupling in the effective weak hamiltonian**
conferenza: EuroDAΦNE collaboration meeting, Frascati, Italy, april 19-23, 1993.
journal: **LNF-93/053**

- [4c] title: **Production of a Higgs with Two Gauge Bosons**
co-authors: F. Boudjema, M. Baillargeon, F. Cuypers, B. Mele:
conferenza: 2nd Workshop on e^+e^- Collisions at 500 GeV. *The Physics Potential*, Munich, Annecy, Hamburg, 20 Nov 1992 to 3 Apr, 1993
journal: Muenchen/Annecy/Hamburg 1992-93, e^+e^- collisions at 500-GeV, pt. C 35-44, DESY report 1994, ed. by P.M.Zerwas.
- [5c] title: **Constraints on supersymmetry from FCNC and CP violation**
co-authors: A. Masiero, L. Silvestrini
conferenza: Workshop SUSY 95, Ecole Polytechnique, Palaiseau, Jul 15-19, 1995.
journal: Palaiseau 1995, SUSY 95, 83-95. arXiv: hep-ph/9510215
- [6c] title: **Standard Model Processes**
co-authors: F. Boudjema *et al.*):
conferenza: CERN Workshop on LEP2 Physics, 2-3 Feb 1995. Geneva, Switzerland
journal: Physics at LEP2, Vol. 1, 207, **CERN Report 1996**. arXiv: hep-ph/9601224
- [7c] title: **Measuring $Z\gamma H$ vertex effects at $e\gamma$ linear colliders.**
co-authors: V.A. Ilyin, B. Mele:
conferenza: Joint ECFA / DESY Study: Physics and Detectors for a Linear Collider, Feb. to Nov. 1996
journal: DESY Report DESY-97-123E, Edited by R. Settles, Hamburg DESY 1997. arXiv: hep-ph/9707370
- [8c] title: **$Z\gamma H$ vertex at future colliders**
co-authors: V.A. Ilyin, B. Mele:
conferenza: 5th Int. Conf. on Physics Beyond the Standard Model, Balholm, Norway, 29 Apr - 4 May 1997
journal: AIP Conf. Proc. 415 (1997) no.1, 506-511. arXiv: hep-ph/9709351
- [9c] title: **Testing the $Z\gamma H$ vertex at linear colliders for intermediate Higgs masses**
co-authors: V.A. Ilyin, B. Mele:
conferenza: Int. Europhysics Conf. on High-Energy Physics (HEP 97), 19-26 Aug 1997, Jerusalem, Israel.
journal: PoS, International Europhysics Conference on High Energy Physics, 1997. arXiv: hep-ph/9712285
- [10c] title: **Quenched Supersymmetry**
co-authors: A. Donini, B. Gavela:
conferenza: 16th Int. Symp. on Lattice Field Theory, LATTICE 98, 13-18 Jul 1998. Boulder, Colorado, US.
journal: Nucl. Phys. *Proc.Suppl.* **73** (1999) 721. arXiv: hep-ph/9809111
- [11c] title: **Anomalous $\gamma\gamma H$ and $Z\gamma H$ couplings in the process $e\gamma \rightarrow eH$**
co-authors: V.A. Ilyin, B. Mele:
conferenza: 2nd Workshop of the 2nd Joint ECFA / DESY Study on Physics and Detectors for a Linear Electron Positron Collider, 28-30 Jun 1998, Lund, Sweden.
journal: DESY report on '*Physics Studies for a Future Linear Collider*', **DESY 123F**. arXiv: hep-ph/9912321
- [12c] title: **N=1 Supersymmetric Yang-Mills on the lattice: the weak and strong coupling limits**
conferenza: Europ. Network Meeting on Physics Beyond the Standard Model, 24-27 Feb 1999. Trieste, Italy
journal: PoS Trieste99 (1999) 025. arXiv: hep-th/9906082.
- [13c] title: **Bounds on anomalous $\gamma\gamma H$ and $Z\gamma H$ couplings at future $e\gamma$ linear colliders**
co-authors: V.A. Ilyin, B. Mele:

- conferenza: 4th Int. Workshop on Linear Colliders (1999), 28 Apr - 5 May 1999. Sitges, Barcelona, Spain.
journal: Proc. of the Worldwide Study on *Physics and Experiments with Future Linear e^+e^- Colliders*, 4th Workshop, LCWS'99, Vol. 1, Physics at linear colliders, 511-516. arXiv: hep-ph/9907574
- [14c] title: **N=1 Super-Yang-Mills at strong couplings**
co-authors: A. Gonzalez-Arroyo, C. Pena:
conferenza: 17th Int. Symposium on Lattice Field Theory (LATTICE 99), 29 Jun - 3 Jul 1999. Pisa, Italy
journal: Nucl. Phys. Proc. Suppl. **83** (2000) 664. arXiv: hep-lat/9909113
- [15c] title: **Experimental constraints on the neutralino nucleon cross section**
co-authors: D.G. Cerdeno, C. Munoz:
conferenza: *Corfu Summer Inst. on Elementary Particle Physics (2001)*, Corfu, Greece, 31 Aug - 20 Sep 2001
journal: Proceedings Corfu 2001. arXiv: hep-ph/0204271
- [16c] title: **Proceedings of 4th ECFA / DESY Workshop on Physics and Detectors for a 90-GeV to 800-GeV Linear e^+e^- Collider**
co-authors: K. Ackermann *et al.*
conferenza: 4th ECFA / DESY Workshop on Physics and Detectors for a 90-GeV to 800-GeV Linear e^+e^- Collider : Amsterdam, Netherlands, April 1-4, 2003
journal: DESY-PROC-2004-01, DESY-04-123, DESY-04-123G.
- [17c] title: **Supersymmetric models and CP violation in B decays**
co-authors: K. Huitu, S. Khalil
conferenza: 1st GUC Workshop on High Energy Physics, Cairo, Egypt, 9-13 Jan 2005.
journal: Proceedings della conferenza. arXiv:hep-ph/0504168
- [18c] title: **Light mesons and muon radiative decays and photon polarization**
co-autore: L. Trentadue
conferenza: Int. Workshop “ e^+e^- Collisions from PHI to PSI”, Novosibirsk, Russia, 27 Feb - 2 Mar 2006.
journal: Nucl. Phys. Proc. Suppl. **162** (2006) 153
- [19c] title: **Higgs Working Group: Summary Report**
co-authors: S. Dawson *et al*
conference: 5th Les Houches Workshop on Physics at TeV Colliders 11-29 Jun 2007, Les Houches, France.
journal: Proceedings della conferenza. arXiv:0803.1154 [hep-ph]
- [20c] title: **Les Houches 2011: Physics at TeV Colliders New Physics Working Group Report**,
co-authors: G. Brooijmans, *et al.*
conferenza: 7th Les Houches Workshop on Physics at TeV Colliders : Les Houches, France, May 30-June 17, 2011.
journal: Proceedings della conferenza. arXiv:1203.1488 [hep-ph].
- [21c] title: **Direct constraints on the top-Higgs coupling from the 8 TeV LHC data**
co-authors: S. Biswas, F. Margaroli, B. Mele
conferenza: 2013 Eur. Phys. Society Conf. on High Energy Physics, Stockholm, Sweden, July 18-24, 2013
journal: PoS EPS-HEP2013 (2013) 105
- [22c] title: **Enhancing the $t\bar{t}H$ signal through top-quark spin polarization effects at the LHC**
co-authors: S. Biswas, R. Frederix, B. Mele
conferenza: 37th Int. Conf. of High Energy Physics 2014, 2-9 July 2014, Valencia, Spain
journal: Nucl. Part. Phys. Proc. 273-275 (2016) 721-726

- [23c] title: **Searching for massless Dark Photons at the LHC via Higgs boson production**
co-authors: S. Biswas, M. Heikinheimo, B. Mele
conferenza: 2017 Eur. Physical Society Conf. on High Energy Physics: Venice, Italy, July 5-12, 2017
journal: PoS EPS-HEP2017 (2017) 315
- [24c] title: **Beyond the Standard Model Physics at the HL-LHC and HE-LHC**
co-authors: X. Cid Vidal *et al.*
conferenza: Report from Working Group 3 on the Physics of the HL-LHC, and Perspectives at the HE-LHC
journal: CERN-LPCC-2018-05, arXiv:1812.07831 [hep-ph]
- [25c] title: **CEPC Conceptual Design Report: Volume 2 - Physics & Detector**
co-authors: CEPC Study Group, J. Barreiro Guimarães da Costa *et al.*
e-Print: 1811.10545 [hep-ex]
- [26c] title: **FCC Physics Opportunities: Future Circular Collider Conceptual Design Report Vol. 1**
co-authors: FCC Collaboration, A. Abada *et al.* Journal: Eur. Phys. J. C **79** (2019) 6, 474
- [27c] title: **HE-LHC: The High-Energy Large Hadron Collider: Future Circular Collider Conceptual Design Rep. Vol. 4**
co-authors: FCC Collaboration, A. Abada *et al.*
Journal: Eur. Phys. J. ST **228** (2019) 5, 1109-1382
- [28c] title: **FCC-hh: The Hadron Collider : Future Circular Collider Conceptual Design Rep. Vol. 3**
co-authors: FCC Collaboration, A. Abada *et al.*
Journal: Eur. Phys. J. ST **228** (2019) 4, 755-1107
- [29c] title: **FCC-ee: The Lepton Collider: Future Circular Collider Conceptual Design Rep. Vol. 2**
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