

CURRICULUM VITAE

Vittorio LUBICZ

Personal Details

- **Name:** Vittorio Lubicz
- **Date and Place of Birth:** 3rd of May 1965, Rome, Italy
- **Nationality:** Italian
- **Work Address:** Dipartimento Dipartimento di Matematica e Fisica, Università degli Studi Roma Tre, Via della Vasca Navale 84, 00146 Rome, Italy. Tel.: +39-06-5733-7307, Fax: +39-06-5733-7102
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Education and Academic Career

- Since May 2015: **Full Professor of Theoretical Physics**
Department of Mathematics and Physics, University Roma Tre, Italy.
- January 2014: **National Scientific Qualification 2012 as Full Professor**
Competition Sector: 02/A2 - Theoretical Physics of the Fundamental Interactions.
Bibliometric Indicators: Normalized n. of articles: 50 (Italian median: 24,5); Normalized n. of citations: 149,45 (median: 47,41); Contemporary H-index: 25 (median: 11).
- December 2002 - April 2015: **Associate Professor of Theoretical Physics**
Department of Physics and, since January 2013, Department of Mathematics and Physics, University Roma Tre, Italy.
- November 1996 - December 2002: **Assistant Professor (Ricercatore universitario)**
Permanent research position on Theoretical Physics and Mathematical Models and Methods. Department of Physics, University Roma Tre, Italy.
- May 1994 - May 1996: **Post-doctoral Fellowship**
of the Istituto Nazionale di Fisica Nucleare (INFN) for researches in high-energy theoretical physics at the Physics Department, Boston University, Boston, Massachusetts, USA.
- September 1994: **Ph.D. Degree in Physics**
University of Rome “La Sapienza”, Italy. Title of the Ph.D. thesis: *Production and decay of neutral pseudo-Goldstone bosons of Technicolor and Extended Technicolor theories in high energy e^+e^- collisions*. Thesis Supervisor: Prof. L. Maiani.
- July 1990: **University Degree in Physics, 110/110 cum Laude**
University of Rome “La Sapienza”, Italy. Title of the final year dissertation (Tesi di Laurea): *Weak semi-leptonic decays of D-mesons and decay constant of B-meson in Lattice QCD*. Supervisor: Prof. G. Martinelli.

Brief description of Scientific Activity

My research activity is in the field of theoretical elementary particles physics. My main topics of interest are Flavour Physics, the non-perturbative QCD, the Weak interactions and CP violation, the physics beyond the Standard Model. In this context, I have performed non-perturbative calculations based on numerical simulations of Lattice QCD, analytical perturbative calculations and phenomenological analysis.

I am co-founder member of the international UTfit Collaboration, which is active in performing phenomenological analysis of flavor physics and global fit of the unitarity triangle; of the *European Twisted Mass Collaboration* (ETMC), which performs large scale numerical simulations of lattice QCD; of the *Flavour Lattice Averaging Group* (FLAG), which produces periodic reviews and world averages of lattice QCD results.

I have presented about 30 invited talks at international conferences, among which plenary review talks at *Lepton-Photon 2011* (Mumbai, India), *Lattice 2000* (Bangalore, India), *Lattice 2004* (Fermilab, Illinois, USA), *Lattice 2009* (Beijing, China), *Heavy Quarks and Leptons 2006* (Munich, Germany), *Heavy Quarks and Leptons 2010* (Laboratori Nazionali di Frascati, Rome, Italy). I served as a member of the organizing committee or as a convener of several conferences and workshops.

I perform regular referee activity for various scientific international journals. I evaluated scientific projects for the italian *Ministero dell'Istruzione, dell'Università e della Ricerca* (MIUR), for the *National Science Foundation* (NSF) of the United States and for the *Austrian Science Fund* (FWF).

I am author or co-author of about 100 published papers on international refereed journals and of a similar number of conference proceedings. According to the INSPIRES database, 1 of these papers has collected more than 500 citations, 7 more than 250 citations and 22 more than 100 citations, with an average number of more than 50 citations per paper, more than 80 citations per publication on refereed journals, and a total number of more than 10.000 citations with *H-index* = 51.

I am included in the list of Top Italian Scientists published by the VIA-Academy (<http://www.topitalianscientists.org/>), in 75-th position in Physics for *H-index* = 55 on the Google Scholar database.

I also enjoy the activity of science communication. I held two public lectures on *Quantum Mechanics* and on *Time*, lectures to university students of various fields, seminars and lectures to teachers and students of the high school.

Invited Talks

- CHIRAL DYNAMICS 2015, *The 8th International Workshop On Chiral Dynamics*.
Pisa, Italy, June 29 - July 3, 2015.
Title of the talk: "QED corrections to hadronic processes in lattice QCD"
- KAON 2013, *Kaon Physics International Conference*.
Ann Arbor, Michigan, USA, April 29 - May 1, 2013.
Title of the talk: "Determination of V_{us} : Recent Input from the Lattice"

- CORTONA 2012, *Convegno Informale di Fisica Teorica*.
Cortona, Italy, May 30 - June 1, 2012.
Title of the talk: “Lattice and flavour in the SuperB era”
- LEPTON PHOTON 2011, *The XXV International Symposium on Lepton Photon Interactions at High Energies*.
Mumbai, India, August 22-27 2011
Plenary review talk on: “Lattice QCD”
- HEAVY QUARKS AND LEPTONS 2010.
INFN - Laboratori Nazionali di Frascati, Rome, Italy, October 11-15 2010
Title of the talk: “The CKM analysis: inputs from theory”
- *XI SuperB Workshop*.
INFN - Laboratori Nazionali di Frascati, Rome, Italy, December 1-4 2009
Title of the talk: “Lattice QCD in the SuperB era”
- LATTICE 2009, *The XXVII International Symposium on Lattice Field Theory*.
Beijing, China, July 25-31, 2009.
Plenary review talk on: “Kaon Physics from Lattice QCD”
- SESTRI LEVANTE 2009, *Convegno Informale di Fisica Teorica*.
Sestri Levante, Italy, June 8-10 2009.
Title of the talk: “Flavour Physics and Lattice QCD”
- IFAE 2008, *Incontri di Fisica delle Alte Energie*.
Bologna, Italy, March 26-28 2008.
Title of the talk: “Flavour Physics and Lattice QCD”
- *22nd Rencontre de Physique de la Vallée d’Aoste*.
La Thuile, Aosta Valley, Italy, February 24 - March 1, 2008.
Title of the talk: “CKM Fits: from Standard Model to New Physics”
- *IV SuperB Workshop*.
Villa Mondragone, Monte Porzio Catone, Italy, November 13-15 2006
Title of the talk: “CKM fit and lattice QCD”
- HEAVY QUARKS AND LEPTONS 2006.
Munich, Germany, October 16-20 2006
Title of the talk: “Lattice QCD, Flavor Physics and the Unitarity Triangle Analysis”
- *First Workshop on Theory, Phenomenology and Experiments in Heavy Flavour Physics*.
Anacapri, Italy, May 29-31 2006
Title of the talk: “Lattice QCD confronts the Unitarity Triangle Fit”
- *DESY Theory Workshop 2005: “Quantum Chromodynamics: from the MeV to the TeV Scale*.
DESY, Hamburg, Germany, September 27-30, 2005.
Title of the talk: “Lattice QCD and Flavour Physics”

- *Galileo Galilei Institute Inaugural Conference.*
Arcetri, Florence, Italy, September 19-21, 2005.
Title of the talk: “Lattice gauge theory and flavor physics”
- *17th Rencontre de Physique de la Vallée d’Aoste.*
La Thuile, Aosta Valley, Italy, February 27 - March 5, 2005.
Title of the talk: “Determination of V_{us} : Recent Progresses from Theory”
- LATTICE 2004, *The XXII International Symposium on Lattice Field Theory.*
Fermi National Accelerator Laboratory, Batavia, Illinois, USA June 21-26, 2004.
Plenary review talk on: “The role of Lattice QCD in flavor physics”
- *Lattice QCD: Present and Future.*
Orsay, France, 14-16 April 2004.
Title of the talk: “The Unitarity Triangle Analysis and its Theoretical Input Parameters”
- *Non Perturbative Problems and Computational Physics: The Next Five Years.*
Ferrara, Italy, 27-28 November 2003.
Title of the talk: “Particle Physics Phenomenology from Lattice QCD”
- *Workshop on the e^+e^- in the 1-2 GeV range: Physics and Accelerator Prospects.*
Alghero (SS), Italy, 10-13 September 2003.
Title of the talk: “Lattice QCD and Kaon Physics”
- CKM03, *Workshop on the CKM Unitarity Triangle.*
Second Meeting, Durham, UK, 5-9 April 2003.
Title of the talk: “Unitarity Triangle Fits in the Standard Model and Sensitivity to New Physics”
- *Workshop on Fermion Actions and Chiral Symmetry.*
Berna, Switzerland, 16-19 October 2002.
Title of the talk: “Quark masses from lattice QCD”
- *5th International Conference on “Quark Confinement and the Hadron Spectrum”.*
Gargnano, Garda Lake, 10-14 September 2002.
Title of the talk: “Light quark masses from lattice QCD”
- *Workshop on the CKM Unitarity Triangle.*
CERN, Geneva, Switzerland, 13-16 February 2002.
Title of the talk: “Non-perturbative determinations of theoretical parameters for the CKM-triangle analysis”
- LATTICE 2000, *The XVIII International Symposium on Lattice Field Theory.*
Bangalore, India, 17-22 August 2000.
Plenary review talk on: “Quark Masses on the Lattice: Light and Heavy”
- PIC20, *XX Physics in Collision Conference.*
Lisbon, Portugal, June 29 - July 1, 2000.
Title of the talk: “Phenomenology of the Standard Model from Lattice QCD”

- *Workshop on Fermions, Disorder and Extended Objects on the Lattice.*
Benasque, Spanish Pyrenees, January 30 - February 4, 2000.
Title of the talk: “Standard Model Phenomenology from Lattice QCD”
- *QCD 98 Euroconference.*
Montpellier, France, 2-8 July 1998.
Title of the talk: “Quark Masses and CKM Matrix Elements from Lattice QCD”
- *APCTP-ICTP First Joint International Conference on Recent Development in Non-perturbative Methods in Field Theory.*
Seoul, Korea, 26-30 May 1997.
Title of the talk: “Determination of Standard Model Parameters from Lattice QCD”
- *11th Rencontre de Physique de la Vallée d’Aoste on Results and Perspective in Particle Physics.*
La Thuile, Aosta Valley, Italy, 2-8 March 1997.
Title of the talk: “Phenomenology of Weak Interactions from Lattice QCD”
- *APS Conference Physics Computing ’95.*
Pittsburgh, Pennsylvania, USA, 5-8 June 1995.
Title of the talk: “Weak Decays of B -mesons on the Lattice”

Invited Lectures

- *ASTRE - Alta Scuola Roma Tre.*
Università Roma Tre, Rome, Italy, 2-6 December, 2013.
Title of the lectures: “Uncertainty and vagueness in the quantum world”.
In collaboration with Mauro Dorato (Università Roma Tre) and Gian Carlo Ghirardi (Professor Emeritus, Università di Trieste)
- *Piccola ASTRE - Alta Scuola Roma Tre.*
Università Roma Tre, Rome, Italy, 7-10 May, 2012.
Title of the lectures: “The concepts of Space and Time in modern physics”.
In collaboration with Mauro Dorato (Università Roma Tre) and Carlo Rovelli (Université de la Méditerranée, Marseille)
- Spring Course on “*Lattice Simulations of Quantum Fields*” of the *International Graduate School Paris-Bielefeld, GRK 881, “Quantum Fields and Strongly Interacting Matter”.*
Laboratoire de Physique Théorique, Université Paris-Sud XI, Orsay, France, March 26 - April 1, 2008. Title of the lectures: “Physics of flavours and Lattices”
- *XI LNF Spring School in Nuclear, Subnuclear and Astroparticle Physics.*
INFN National Laboratories in Frascati, Italy, 15-19 May, 2006.
Title of the lectures: “Flavour Physics and Lattice QCD in 2006”
- *XIII Seminario Nazionale di Fisica Teorica.*
Parma, Italy, 30 August-10 September 2004.
Title of the lectures: “Flavor physics and Lattice QCD”

Organization of Scientific Conferences

• Participation to Organizing Committees

- Local Organizing Committee of LATTICE 2010, *The XXVIII International Symposium on Lattice Field Theory*. Villasimius, Sardinia, Italy, 14-19 June 2010.
- Organizing Committee of the Workshop *apeNEXT: Computational Challenges and First Physics Results*. The Galileo Galilei Institute for Theoretical Physics, Arcetri, Firenze, 8-10 February 2007.
- Organizing Committee of the Conference LEPTRE. *XIII Convegno sulla fisica di LEP*. Università Roma Tre, Rome, Italy, 18-20 April 2001.
- Organizing Committee of the Workshop *From APE100 to APEmille: Results and Perspectives*. LNF-Frascati, Rome, Italy, 17-19 February 1997.

• Participation to International Advisory Committees

- International Advisory Committee of LATTICE 2008, *The XXVI International Symposium on Lattice Field Theory*. Williamsburg, Virginia, USA, 14-19 July 2008.
- International Advisory Committee of LATTICE 2005, *The XXIII International Symposium on Lattice Field Theory*. Dublin, Ireland, 25-30 July 2005.

• Activity as a Convenor

- B2TIP, *The Belle II Theory Interface Platform*, member of the Lattice QCD board and coordinator of the Working Group 9 on *New Physics*. June 2014 - End of 2016.
- CKM 2006, *4th International Workshop on the CKM Unitarity Triangle*, convenor of the Physics Working Group 3 on *Vtd / Vts through Mixings and Rare B and K Decays*. Nagoya, Japan, 12-16 December 2006.
- CKM 2005, *Workshop on the Unitarity Triangle*, convenor of the Physics Working Group 1 on the *Determination of the Cabibbo angle*. San Diego, California (USA), 15-18 March 2005.
- HEP2003, *EPS International Europhysics Conference on High Energy Physics*, convenor of the session *Non-perturbative field theory*. Aachen, Germany, 17-23 July 2003.
- IFAE 2002, *XIV Incontri di Fisica delle Alte Energie*, convenor of the session *Heavy Quark Physics*. Parma, Italy, 3-5 April 2002.

Referee Activity

- I perform regular referee activity for the following international journals: *Journal of High Energy Physics*; *Nuclear Physics B*; *Physical Review D*; *Physical Review Letters*. Occasionally for *The Review of Particle Physics* of the PDG.

- I serve as a referee for MIUR, *Ministero dell'Istruzione, dell'Università e della Ricerca*, for PRIN and FUTURO IN RICERCA projects.
- I have served as a referee for projects submitted to the *National Science Foundation* (NSF) of the United States and the *Austrian Science Fund* (FWF).
- I am included in the list of experts of PRACE, the *Partnership for Advanced Computing in Europe*.

Long Term Visits

- June 2013: CNRS, Université Paris-Sud XI, Laboratoire de Physique Théorique, Orsay, France
- April - May 2011: CNRS, Université Paris-Sud XI, Laboratoire de Physique Théorique, Orsay, France

Coordination or Participation to Funded Projects

• National Projects

- PRIN 2010-2011, Scientific Research Program of Relevant National Interest, Scientific Coordinator of the Unit of Roma Tre, title *Symmetries, Masses and Mysteries: Electroweak symmetry breaking, flavor mixing, CP violation and Dark Matter in the LHC era*.
- PRIN 2008, Scientific Research Program of Relevant National Interest, Scientific Coordinator of the Unit of Roma Tre (in substitution of prof. G. Altarelli), title *Particle physics in the LHC time: theoretical models, precision calculations and simulation methods*.
- PRIN 2004, Scientific Research Program of Relevant National Interest, Scientific Coordinator of the Unit of Roma Tre, title *New physics and precision physics at accelerators: frontier problems in the theory of the fundamental interactions*.
- Participant to the Scientific Research Programs of Relevant National Interest PRIN 1997, PRIN 1999, PRIN 2001, PRIN 2006.

• European Projects

- FLAVIANET, Marie Curie Research Training Network supported by the European Community, contract MRTN-CT-2006-035482 concluded on 01/10/2006, with duration of 48 months. Scientific Staff.
- HEPTOOLS, Marie Curie Research Training Network supported by the European Community, contract MRTN-CT-2006-035505 concluded on 01/12/2006, with duration of 48 months. Scientific Staff.
- HADRON PHENOMENOLOGY FROM LATTICE QCD, EU IHP Network funded by the European Community, contract HPRN-CT-2000-00145 concluded on 01/10/2000, with duration of 36 months. Scientific Staff.

Other Professional Activities

- Member of the Working Group for the Evaluation (*GLV, Gruppo di Lavoro sulla Valutazione*) of the INFN, since February 2011.
- Member of the national judging committee for the confirmation in role of the University Researchers, 1 January 2008 - 31 December 2009.
- President of the Selection Committee of the INFN to award fellowships for graduate students. July 2006.

Activity of Science Communication

- Public lecture entitled *Travel in the Time of Physics* (in Italian), held within the series of conferences *The Physics meets the City* organized by the Department of Mathematics and Physics of the University Roma Tre, University Lecture Hall, November 2013.
- Public lecture entitled *From classical to quantum physics: Does God Play Dice with the Universe?* (in Italian), held within the series of conferences *The Physics meets the City* organized by the Department of Physics of the University Roma Tre, University Lecture Hall, February 2008.
- Various seminars and series of lectures on the subjects of *Quantum Mechanics* and of *Time*, addressed to teachers and students of the high school.
- Paper entitled *Particelle a colori. L'energia che dà massa alle cose*, in Italian. Published on the biannual journal *Asimmetrie*, vol. 14 (2013), of the Istituto Nazionale di Fisica Nucleare. Available on-line at <http://www.asimmetrie.it/index.php/particelle-a-colori>

Brief description of Educational Activity

- Held the courses “*Quantum Physics*” and “*Elements of Theoretical Physics*” at the University Roma Tre. Academic years 1999/2000 and since 2001/02 until today.
- Held the tutorials of the courses “*Elements of Theoretical Physics*” and “*Theoretical Physics*” at the University Roma Tre. Academic years 1996-97, 1997/98, 1998/99, 2000/01.
- Supervisor of 13 first level and 6 second level laurea degree thesis in physics or mathematics, and supervisor of 8 Ph.D. thesis in physics.
- Member of various Ph.D. committees and juries both in Italy (Università Roma Tre, Roma “La Sapienza”, Parma) and abroad (University of Cyprus, Université Paris XI Orsay, Université de Provence Aix-Marseille I, Universidad de Valencia).

PUBLICATION LIST

Vittorio LUBICZ

Publications

1. C.R.Allton, V.Lubicz, L.Maiani, G.Martinelli and C.T.Sachrajda
A Lattice Computation of the Decay Constant of the B-Meson
Nucl.Phys.B 349 (1991) 598.
2. V.Lubicz, G.Martinelli and C.T.Sachrajda
*First Calculation of $D^+ \rightarrow \bar{K}^{*0} e^+ \nu_e$ in Lattice QCD*
Nucl.Phys.B 356 (1991) 301.
3. V.Lubicz, G.Martinelli, M.S.McCarthy and C.T.Sachrajda
Semi-leptonic Decays of D-mesons in Lattice QCD
Phys.Lett.B 274 (1992) 415.
4. M.Crisafulli and V.Lubicz
A Lattice Study of Electromagnetic Decays of Vector Mesons
Phys.Lett.B 278 (1992) 323.
5. V.Lubicz
Production and Signatures of Neutral Pseudo-Goldstone Bosons at the Z^0 Pole in Technicolor and Extended Technicolor Models
Nucl.Phys.B 404 (1993) 559.
6. C.R.Allton, V.Lubicz, G.Martinelli, G.Salina, A.Vladikas and The APE Collaboration
A High Statistics Lattice Calculation of f_B in the Static Limit on APE
Nucl.Phys.B 413 (1994) 461.
7. As.Abada, C.R.Allton, Ph.Boucaud, D.B.Carpenter, M.Crisafulli, S.Güsken, P.Hernandez, V.Lubicz, G.Martinelli, O.Pène, C.T.Sachrajda, K.Schilling, G.Siegert and R.Sommer
Semi-leptonic Decays of Heavy Flavours on a Fine Grained Lattice
Nucl.Phys.B 416 (1994) 675. e-Print: hep-lat/9308007
8. C.R.Allton, M.Crisafulli, V.Lubicz, G.Martinelli, G.Salina, A.Vladikas and The APE Collaboration
A High Statistics Lattice Calculation of f_B^{static} at $\beta = 6.2$ using the Clover Action
Phys.Lett.B 326 (1994) 295. e-Print: hep-ph/9402343

9. C.R.Allton, M.Ciuchini, M.Crisafulli, E.Franco, V.Lubicz and G.Martinelli
Quark Masses from Lattice QCD at the Next-To-Leading Order
Nucl.Phys.B 431 (1994) 667. e-Print: hep-ph/9406263
10. C.R.Allton, M.Crisafulli, V.Lubicz, G.Martinelli, F.Rapuano, N.Stella, A.Vladikas and The APE Collaboration
Lattice Calculation of D- and B-meson Semileptonic Decays, using the Clover Action on APE, at $\beta = 6.0$
Phys.Lett.B 345 (1995) 513. e-Print: hep-lat/9411011
11. As.Abada, Ph.Boucaud, N.Cabibbo, M.Crisafulli, J.P.Leroy, V.Lubicz, G.Martinelli, F.Rapuano, M.Serone, N.Stella and The APE Collaboration
A Lattice Study of the Exclusive $B \rightarrow K^\gamma$ Decay Amplitude, using the Clover Action at $\beta = 6.0$*
Phys.Lett.B 365 (1996) 275. e-Print: hep-lat/9503020
12. V.Lubicz and P.Santorelli
Production of Neutral Pseudo-Goldstone Bosons at LEP II and NLC in Multiscale Walking Technicolor Models
Nucl.Phys.B 460 (1996) 3. e-Print: hep-ph/9505336
13. M.Crisafulli, A.Donini, V.Lubicz, G.Martinelli, F.Rapuano, M.Talevi, C.Ungarelli and A.Vladikas
Chiral Behaviour of the Lattice B_K -parameter with the Wilson and Clover Actions at $\beta = 6.0$
Phys.Lett.B 369 (1996) 325. e-Print: hep-lat/9509029
14. I.Dasgupta, A.R.Levi, V.Lubicz and C.Rebbi
QCDF90: A Set of Fortran 90 Modules for a High-level, Efficient Implementation of QCD Simulations
Comp.Phys.Comm. 98 (1996) 365. e-Print: hep-lat/9605012
15. A.R.Levi, V.Lubicz and C.Rebbi
QCD Chiral Lagrangian on the Lattice, Strong Coupling Expansion and Ward Identities with Wilson Fermions
Phys.Rev.D 56 (1997) 1101. e-Print: hep-lat/9607022
16. M.Crisafulli, V.Lubicz and A.Vladikas
Improved Renormalization of Lattice Operators: A Critical Reappraisal
Eur.Phys.J. C 4 (1998) 145. e-Print: hep-lat/9707025
17. M.Ciuchini, E.Franco, V.Lubicz, G.Martinelli, I.Scimemi and L.Silvestrini
Next-to-Leading Order QCD Corrections to $\Delta F = 2$ Effective Hamiltonians
Nucl.Phys.B 523 (1998) 501. e-Print: hep-ph/9711402

18. E.Franco e V.Lubicz
Quark Mass Renormalization in the \overline{MS} and RI Schemes up to the NNLO Order
Nucl.Phys.B 531 (1998) 641. e-Print: hep-ph/9803491
19. D.Becirevic, Ph.Boucaud, J.P.Leroy, V.Lubicz, G.Martinelli and F.Mescia
Non-perturbatively Renormalized Light-Quark Masses with the Alpha Action
Phys.Lett.B 444 (1998) 401. e-Print: hep-lat/9807046
20. M.Ciuchini, L.Conti, A.Donini, E.Franco, V.Gimenez, L.Giusti, V.Lubicz, G.Martinelli, A.Masiero, I.Scimemi, L.Silvestrini, M.Talevi and A.Vladikas
 ΔM_K and ε_K in SUSY at the Next-to-Leading Order
J.High Energy Phys. 10 (1998) 008. e-Print: hep-ph/9808328
21. D.Becirevic, Ph.Boucaud, L.Giusti, J.P.Leroy, V.Lubicz, G.Martinelli, F.Mescia and F.Rapiano
Light Hadron Spectroscopy on the Lattice with the Non-perturbatively Improved Wilson Action
LPTHE-Orsay 98/33, September 1998. e-Print: hep-lat/9809129
22. D.Becirevic, Ph.Boucaud, J.P.Leroy, V.Lubicz, G.Martinelli, F.Mescia and F.Rapiano
Non-perturbatively Improved Heavy-Light Mesons: Masses and Decay Constants
Phys.Rev.D 60 (1999) 074501. e-Print: hep-lat/9811003
23. D.Becirevic, V.Gimenez, V.Lubicz and G.Martinelli
Light Quark Masses from Lattice Quark Propagators at Large Momenta
Phys.Rev.D 61 (2000) 114507. e-Print: hep-lat/9909082
24. M.Ciuchini, E.Franco, L.Giusti, V.Lubicz and G.Martinelli
Combined Analysis of the Unitarity Triangle and CP Violation in the Standard Model
Nucl.Phys.B 573 (2000) 201. e-Print: hep-ph/9910236
25. D.Becirevic, V.Gimenez, L.Giusti, V.Lubicz, G.Martinelli, D.Meloni and A.Retico
 $B^0-\bar{B}^0$ Mixing and Decay Constants with the Non-Perturbatively Improved Action
Nucl.Phys.B 618 (2001) 241. e-Print: hep-lat/0002025
26. D.Becirevic, Ph.Boucaud, V.Gimenez, V.Lubicz, G.Martinelli, J.Micheli and M.Papinutto
 $K^0-\bar{K}^0$ Mixing with Wilson Fermions without Subtractions
Phys.Lett.B 487 (2000) 74. e-Print: hep-lat/0005013
27. D.Becirevic, V.Gimenez, V.Lubicz, G.Martinelli, D.Meloni and A.Retico
A Theoretical Prediction of the B_s -Meson Lifetime Difference
Eur.Phys.J.C 18 (2000) 157. e-Print: hep-ph/0006135

28. G.Altarelli, L.Conti and V.Lubicz
The $t \rightarrow WZb$ decay in the Standard Model: A Critical Reanalysis
 Phys.Lett. B 502 (2001) 125. e-Print: hep-ph/0010090
29. D.Becirevic, V.Lubicz, G.Martinelli and F.Mescia
First Lattice Calculation of the Electromagnetic Operator Amplitude $\langle \pi^0 | Q_\gamma^+ | K^0 \rangle$
 Phys.Lett.B 501 (2001) 98. e-Print: hep-ph/0010349
30. A.Abada, D.Becirevic, Ph.Boucaud, J.P.Leroy, V.Lubicz and F.Mescia
Heavy \rightarrow Light Semileptonic Decays of Pseudoscalar Mesons from Lattice QCD
 Nucl.Phys.B 619 (2001) 565. e-Print: hep-lat/0011065
31. M.Ciuchini, G.D'Agostini, E.Franco, V.Lubicz, G.Martinelli, F.Parodi, P.Roudeau and A. Stocchi
2000 CKM-Triangle Analysis: A Critical Review with Updated Experimental Inputs and Theoretical Parameters
 J.High Energy Phys. 07 (2001) 013. e-Print: hep-ph/0012308
32. D.Becirevic, V.Lubicz and G.Martinelli
Charm quark mass
 Phys.Lett.B 524 (2002) 115. e-Print: hep-ph/0107124
33. M.Ciuchini, E.Franco, V.Lubicz and F.Mescia
Next-to-Leading Order QCD Corrections to Spectator Effects in Lifetimes of Beauty Hadrons
 Nucl.Phys.B 625 (2002) 211. e-Print: hep-ph/0110375
34. E.Franco, V.Lubicz, F.Mescia and C.Tarantino
Lifetime Ratios of Beauty Hadrons at the Next-to-Leading Order in QCD
 Nucl.Phys.B 633 (2002) 212. e-Print: hep-ph/0203089
35. SPQ_{CD}R Collaboration: D.Becirevic, V.Lubicz and C.Tarantino
Continuum Determination of Light Quark Masses from Quenched Lattice QCD
 Phys.Lett.B 558 (2003) 69. e-Print: hep-lat/0208003
36. D.Guadagnoli, V.Lubicz, G.Martinelli and S.Simula
Neutron Electric Dipole Moment on the Lattice: a Theoretical Reappraisal
 J.High Energy Phys. 04 (2003) 019. e-Print: hep-lat/0210044
37. D.Becirevic, V.Lubicz, F.Mescia and C.Tarantino
Coupling of the Light Vector Meson to the Vector and to the Tensor Current J.High Energy Phys. 05 (2003) 007. e-Print: hep-lat/0301020

38. M.Ciuchini, E.Franco, V.Lubicz, F.Mescia and C. Tarantino
Lifetime Differences and CP Violation Parameters of Neutral B mesons at the Next-to-Leading Order in QCD
 J.High Energy Phys. 08 (2003) 031. e-Print: hep-ph/0308029
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