Precision Calculations for Hard Exclusive Reactions: An Everlasting Beautiful Journey

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Next Generation Perturbative QCD for Hadron Structure
November 27, 2025, Universität Regensburg

Volodya's Pioneering Works Guide My Scientific Research

Evolution Equations for QCD String Operators

I.I. Balitsky (St. Petersburg, INP), Vladimir M. Braun (St. Petersburg, INP) (Dec, 1987)

Published in: *Nucl.Phys.B* 311 (1989) 541-584

DOI cite claim

reference search 669 citations

Radiative Decay Sigma+ ---> p gamma in Quantum Chromodynamics

I.I. Balitsky (St. Petersburg, INP), Vladimir M. Braun (St. Petersburg, INP), A.V. Kolesnichenko (St. Petersburg, INP) (1989)

Published in: *Nucl.Phys.B* 312 (1989) 509-550

DOI cite claim

reference search 643 citations

Conformal Invariance and Pion Wave Functions of Nonleading Twist

Vladimir M. Braun (St. Petersburg, INP), I.E. Filyanov (St. Petersburg, INP) (Dec, 1989)

Published in: *Z.Phys.C* 48 (1990) 239-248, *Sov.J.Nucl.Phys.* 52 (1990) 126-134, *Yad.Fiz.* 52 (1990) 199-213

DOI cite claim

reference search 519 citations

Exclusive semileptonic and rare B meson decays in QCD

Patricia Ball (CERN), Vladimir M. Braun (Nordita) (May, 1998)

Published in: *Phys.Rev.D* 58 (1998) 094016 • e-Print: hep-ph/9805422 [hep-ph]

pdf links DOI cite claim

reference search 528 citations

Light-Cone OPE, LCSR, Conformal Symmetry, B-Meson Decays

Along the Colourful Path of Volodya

Next-to-Next-to-Leading-Order QCD Prediction for the Pion Form Factor

Yao Ji (Shenzhen, SUSTC and SUSTech, Shenzhen and SUSTech, SKLQSE, Shenzhen and Munich, Tech. U.), Bo-Xuan Shi (Nankai U.), Jian Wang (Shandong U. and Peking U., CHEP), Ye-Fan Wang (Nanjing Normal U.), Yu-Ming Wang (Nankai U.) et al. (Nov 5, 2024)

Published in: *Phys.Rev.Lett.* 134 (2025) 22, 221901 • e-Print: 2411.03658 [hep-ph]

pdf DOI cite claim
reference search 7 citations

Next-to-Leading-Order QCD Predictions for the Nucleon Form Factors

Yong-Kang Huang (Nankai U.), Bo-Xuan Shi (Nankai U.), Yu-Ming Wang (Nankai U.), Xue-Chen Zhao (Nankai U.) (Jul 26, 2024)

Published in: *Phys.Rev.Lett.* 135 (2025) 6, 061901 • e-Print: 2407.18724 [hep-ph]

pdf DOI cite claim
reference search 8 citations

Perturbative corrections to B → D form factors in QCD

Yu-Ming Wang (Nankai U. and Vienna U.), Yan-Bing Wei (UCAS, Beijing and Beijing, Inst. High Energy Phys.), Yue-Long Shen (Ocean U.), Cai-Dian Lü (Beijing, Inst. High Energy Phys. and UCAS, Beijing) (Jan 24, 2017)

Published in: *JHEP* 06 (2017) 062 • e-Print: 1701.06810 [hep-ph]

pdf DOI cite claim
reference search 79 citations

QCD corrections to B→π form factors from light-cone sum rules

Yu-Ming Wang (Munich, Tech. U.), Yue-Long Shen (Ocean U.) (Jun 1, 2015)

Published in: *Nucl.Phys.B* 898 (2015) 563-604 • e-Print: 1506.00667 [hep-ph]

pdf DOI cite claim
reference search 110 citations

Hard Exclusive Reactions, **Distribution Amplitudes**, **LCSR**, **B-Meson Decays**

Continuous Support from Volodya

- After returning to China, I (together with my colleagues at NKU) organized the 24th Summer Institute on Elementary Particle Physics and Cosmology.
- Volodya kindly accepted our invitation to lecture on QCD and conformal symmetry in this Summer Institute.
- Many of us were deeply impressed by his lucid lectures with insightful remarks.

- I am honored to be included in this celebration of Volodya's career.
- Thank you Volodya for your constant encouragement and valuable advice over two decades!
- I wish you many more years of health and happiness and look forward to learning more from you!

Message from Hans Günter Dosch

Dear Volodya,

My congratulations on your transition into one of the best professions:
Professor Emeritus.

I still fondly remember our collaboration last century with Patricia and Emili in the "Gang of Four."

We had great fun; at least, Gromes complained in the room below about our loud laughter during the discussions.

With my best wishes for many more years of enjoyment in life and physics.

Hans Günter

Message from Nikolai Kivel

Привет Володя!

Поздравляю с началом очередного жизненного цикла!

Теперь — без обязательных рабочих часов!

Надеюсь ты не сильно огорчен и не бросишь науку, ибо ученый без науки — это как рыба без воды!

Однако один известный мудрец как-то заключил, что “во многой мудрости много печали; и кто умножает познания, умножает скорбь”.

Поэтому, я надеюсь, ты не бросишь все освободившееся время в топку творчества, а оставишь кое-что и на грехи удовольствий! Гармония должна быть полной!

В общем, дыши глубоко, смотри весело и, как всегда,радуй окружающих новостями из подпространства свежих анекдотов!

С наилучшими пожеланьями,

Николай

The same according to deepl.com

Hello Volodya!

Congratulations on the start of a new phase in your life!

Now — no more mandatory working hours!

I hope you're not too upset and won't give up science, because a scientist without science is like a fish without water!

However, a famous sage once concluded that "in much wisdom is much grief; and he that increaseth knowledge increaseth sorrow".

Therefore, I hope you will not devote all your free time to creativity, but will leave something for the sins of pleasure! Harmony must be complete!

In general, breathe deeply, look cheerful and, as always, delight those around you with news from the subspace of fresh anecdotes!

With best wishes,

Nikolay

Workshop dinner

- Name badge codes: F|V for starter, B|F|V for main dish (B(eef) F(ish) (V)egetarian)
- Two free drinks included (no spirits)
- Everything else: possible but must be paid for
- Location:

  Kolpinghaus opposite Haus der Bayerischen Geschichte (Bavarian History Museum)