

Free Full Text from Publisher

Full Text Options



Save to EndNote online

Add to Marked List

6 of 138

Measurement of angular parameters from the decay $B-0 \rightarrow K^*(0)\mu(+)\mu(-)$ in proton-proton collisions at $\sqrt{s}=8$ TeV

By: Sirunyan, AM (Sirunyan, A. M.)^[1]; Tumasyan, A (Tumasyan, A.)^[1]; Adam, W (Adam, W.)^[2]; Ambrogio, F (Ambrogio, F.)^[2]; Asilar, E (Asilar, E.)^[2]; Bergauer, T (Bergauer, T.)^[2]; Brandstetter, J (Brandstetter, J.)^[2]; Brondolin, E (Brondolin, E.)^[2]; Dragicevic, M (Dragicevic, M.)^[2]; Ero J (Eroe, J.)^[2] ...More

Group Author(s): CMS Collaboration

[View ResearcherID and ORCID](#)

PHYSICS LETTERS B

Volume: 781 Pages: 517-541

DOI: 10.1016/j.physletb.2018.04.030

Published: JUN 10 2018

Document Type: Article

[View Journal Impact](#)

Abstract

Angular distributions of the decay $B-0 \rightarrow K^*(0)\mu(+)\mu(-)$ are studied using a sample of proton-proton collisions at $\sqrt{s}=8$ TeV collected with the CMS detector at the LHC, corresponding to an integrated luminosity of 20.5 fb⁻¹. An angular analysis is performed to determine the P-1 and P-5' parameters, where the P-5' parameter is of particular interest because of recent measurements that indicate a potential discrepancy with the standard model predictions. Based on a sample of 1397 signal events, the P-1 and P-5' parameters are determined as a function of the dimuon invariant mass squared. The measurements are in agreement with predictions based on the standard model. (C) 2018 The Author(s). Published by Elsevier B.V.

Keywords

Author Keywords: CMS; Physics; B-0 decays

KeyWords Plus: MODEL-INDEPENDENT ANALYSIS; SUPERSYMMETRIC THEORIES; PHYSICS

Author Information

Reprint Address: Sirunyan, AM (reprint author)

+ Yerevan Phys Inst, Yerevan, Armenia.

Addresses:

- + [1] Yerevan Phys Inst, Yerevan, Armenia
- [2] Inst Hochenergiephys, Vienna, Austria
- [3] Inst Nucl Problems, Minsk, BELARUS
- + [4] Vrije Univ Brussel, Brussels, Belgium
- + [5] Univ Libre Bruxelles, Brussels, Belgium
- + [6] Univ Ghent, Ghent, Belgium
- + [7] Catholic Univ Louvain, Louvain La Neuve, Belgium
- + [8] Univ Mons, Mons, Belgium
- + [9] Ctr Brasileiro Pesquisas Fis, Rio De Janeiro, Brazil
- + [10] Univ Estado Rio de Janeiro, Rio De Janeiro, Brazil
- + [11] Univ Estadual Paulista, Sao Paulo, Brazil
- + [12] Univ Fed ABC, Sao Paulo, Brazil
- + [13] Bulgaria Acad Sci, Inst Nucl Res & Nucl Energy, Sofia, Bulgaria
- + [14] Univ Sofia, Sofia, Bulgaria
- + [15] Beihang Univ, Beijing, Peoples R China
- + [16] Inst High Energy Phys, Beijing, Peoples R China

Citation Network

In Web of Science Core Collection

12

Highly Cited Paper

Times Cited

Create Citation Alert

All Times Cited Counts

12 in All Databases

[See more counts](#)

55

Cited References

[View Related Records](#)

Most recently cited by:

Bifani, Simone; Descotes-Genon, Sebastien; Romero Vidal, Antonio; et al. [Review of lepton universality tests in B decays.](#)

JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS (2019)

Baek, Seungwon; Yu, Chaehyun. [Dark matter for \$b \rightarrow s \mu \(+\) \mu \(-\)\$ anomaly in a gauged U\(1\) \(X\) model.](#) JOURNAL OF HIGH ENERGY PHYSICS (2018)

[View All](#)

Use in Web of Science

Web of Science Usage Count

22

25

Last 180 Days

Since 2013

[Learn more](#)

This record is from:

Web of Science Core Collection

- Science Citation Index Expanded

[Suggest a correction](#)

If you would like to improve the quality of the data in this record, please [suggest a correction](#).

- + [17] Peking Univ, State Key Lab Nucl Phys & Technol, Beijing, Peoples R China
- + [18] Univ Los Andes, Bogota, Colombia
- + [19] Univ Split, Fac Elect Engr, Mech Engr & Naval Architecture, Split, Croatia
- + [20] Univ Split, Fac Sci, Split, Croatia
- + [21] Inst Rudjer Boskovic, Zagreb, Croatia
- + [22] Univ Cyprus, Nicosia, Cyprus
- + [23] Charles Univ Prague, Prague, Czech Republic
- [24] Univ San Francisco Quito, Quito, Ecuador
- + [25] Acad Sci Res & Technol Arab Republ Egypt, Egyptian Network High Energy Phys, Cairo, Egypt
- + [26] NICPB, Tallinn, Estonia
- + [27] Univ Helsinki, Dept Phys, Helsinki, Finland
- + [28] Helsinki Inst Phys, Helsinki, Finland
- + [29] Lappeenranta Univ Technol, Lappeenranta, Finland
- + [30] Univ Paris Saclay, CEA, IRFU, Gif Sur Yvette, France
- + [31] Univ Paris Saclay, Lab Leprince Ringuet, Ecole Polytech, CNRS,IN2P3, Palaiseau, France
- + [32] Univ Strasbourg, CNRS, IPHC UMR 7178, F-67000 Strasbourg, France
- + [33] Inst Natl Phys Nucl & Phys Particules, CNRS, IN2P3, Ctr Calcul, Villeurbanne, France
- + [34] Univ Claude Bernard Lyon 1, Univ Lyon, IN2P3, CNRS,Inst Phys Nucl Lyon, Villeurbanne, France
- + [35] Georgian Tech Univ, Tbilisi, Rep of Georgia
- + [36] Tbilisi State Univ, Tbilisi, Rep of Georgia
- + [37] RWTHAachen Univ, Phys Inst 1, Aachen, Germany
- + [38] RWTHAachen Univ, Phys Inst 2, Aachen, Germany
- + [39] RWTHAachen Univ, Phys Inst 3, Aachen, Germany
- + [40] DESY, Hamburg, Germany
- + [41] Univ Hamburg, Hamburg, Germany
- [42] Inst Expt Kernphys, Karlsruhe, Germany
- + [43] NCSR Demokritos, INPP, Aghia Paraskevi, Greece
- + [44] Univ Athens, Athens, Greece
- + [45] Natl Tech Univ Athens, Athens, Greece
- + [46] Univ Ioannina, Ioannina, Greece
- + [47] Eotvos Lorand Univ, MTA ELTE Lenduet CMS Particle & Nucl Phys Grp, Budapest, Hungary
- + [48] Wigner Res Ctr Phys, Budapest, Hungary
- + [49] Inst Nucl Res ATOMKI, Debrecen, Hungary
- + [50] Univ Debrecen, Inst Phys, Debrecen, Hungary
- + [51] Indian Inst Sci IISc, Bangalore, Karnataka, India
- + [52] Natl Inst Sci Educ & Res, Bhubaneswar, Odisha, India
- + [53] Panjab Univ, Chandigarh, India
- [54] Univ Delhi, Delhi, India
- + [55] Saha Inst Nucl Phys, HBNI, Kolkata, India
- + [56] Indian Inst Technol Madras, Madras, Tamil Nadu, India
- + [57] Bhabha Atom Res Ctr, Mumbai, Maharashtra, India
- [58] Tata Inst Fundamental Res A, Mumbai, Maharashtra, India
- [59] Tata Inst Fundamental Res B, Mumbai, Maharashtra, India
- + [60] Indian Inst Sci Educ & Res, Pune, Maharashtra, India
- [61] Inst Res Fundamental Sci IPM, Tehran, Iran
- + [62] Univ Coll Dublin, Dublin, Ireland
- + [63] INFN, Sez Bari, Bari, Italy
- + [64] Univ Bari, Bari, Italy
- + [65] Politecn Bari, Bari, Italy

- + [66] INFN, Sez Bologna, Bologna, Italy
- + [67] Univ Bologna, Bologna, Italy
- + [68] INFN, Sez Catania, Catania, Italy
- + [69] Univ Catania, Catania, Italy
- + [70] INFN, Sez Firenze, Florence, Italy
- + [71] Univ Firenze, Florence, Italy
- + [72] INFN, Lab Nazl Frascati, Frascati, Italy
- + [73] INFN, Sez Genova, Genoa, Italy
- + [74] Univ Genoa, Genoa, Italy
- + [75] INFN, Sez Milano Bicocca, Milan, Italy
- + [76] Univ Milano Bicocca, Milan, Italy
- + [77] INFN, Sez Napoli, Naples, Italy
- + [78] Univ Napoli Federico, Naples, Italy
- + [79] Univ Basilicata, Potenza, Italy
- [80] Univ G Marconi, Rome, Italy
- + [81] INFN, Sez Padova, Padua, Italy
- + [82] Univ Padua, Padua, Italy
- + [83] Univ Trento, Trento, Italy
- + [84] INFN, Sez Pavia, Pavia, Italy
- + [85] Univ Pavia, Pavia, Italy
- + [86] INFN, Sez Perugia, Perugia, Italy
- + [87] Univ Perugia, Perugia, Italy
- + [88] INFN, Sez Pisa, Pisa, Italy
- + [89] Univ Pisa, Pisa, Italy
- + [90] Scuola Normale Super Pisa, Pisa, Italy
- + [91] INFN, Sez Roma, Rome, Italy
- + [92] Sapienza Univ Roma, Rome, Italy
- + [93] INFN, Sez Torino, Turin, Italy
- + [94] Univ Torino, Turin, Italy
- + [95] Univ Piemonte Orientale, Novara, Italy
- + [96] INFN, Sez Trieste, Trieste, Italy
- + [97] Univ Trieste, Trieste, Italy
- + [98] Kyungpook Natl Univ, Daegu, South Korea
- + [99] Chonbuk Natl Univ, Jeonju, South Korea
- + [100] Chonnam Natl Univ, Inst Univ & Elementary Particles, Kwangju, South Korea
- + [101] Hanyang Univ, Seoul, South Korea
- + [102] Korea Univ, Seoul, South Korea
- + [103] Seoul Natl Univ, Seoul, South Korea
- + [104] Univ Seoul, Seoul, South Korea
- + [105] Sungkyunkwan Univ, Suwon, South Korea
- + [106] Vilnius Univ, Vilnius, Lithuania
- + [107] Univ Malaya, Natl Ctr Particle Phys, Kuala Lumpur, Malaysia
- + [108] IPN, Ctr Invest & Estudios Avanzados, Mexico City, DF, Mexico
- [109] Univ Iberoamer, Mexico City, DF, Mexico
- + [110] Benemerita Univ Autonoma Puebla, Puebla, Mexico
- + [111] Univ Autonoma San Luis Potosi, San Luis Potosi, Mexico
- + [112] Univ Auckland, Auckland, New Zealand
- + [113] Univ Canterbury, Christchurch, New Zealand
- + [114] Quaid I Azam Univ, Natl Ctr Phys, Islamabad, Pakistan

- + [115] Natl Ctr Nucl Res, Otwock, Poland
- + [116] Univ Warsaw, Inst Expt Phys, Fac Phys, Warsaw, Poland
- + [117] Lab Instrumentacao Fis Expt Particulas, Lisbon, Portugal
- + [118] Joint Inst Nucl Res, Dubna, Russia
- + [119] Petersburg Nucl Phys Inst, St Petersburg, Russia
- + [120] Inst Nucl Res, Moscow, Russia
- + [121] Inst Theoret & Expt Phys, Moscow, Russia
- + [122] Moscow Inst Phys & Technol, Moscow, Russia
- + [123] Natl Res Nucl Univ Moscow Engr Phys Inst MEPhI, Moscow, Russia
- + [124] PN Lebedev Phys Inst, Moscow, Russia
- + [125] Lomonosov Moscow State Univ, Skobeltsyn Inst Nucl Phys, Moscow, Russia
- + [126] Novosibirsk State Univ, Novosibirsk, Russia
- + [127] Inst High Energy Phys, State Res Ctr Russian Federat, Protvino, Russia
- + [128] Univ Belgrade, Fac Phys, Belgrade, Serbia
- + [129] Vinca Inst Nucl Sci, Belgrade, Serbia
- [130] CIEMAT, Madrid, Spain
- + [131] Univ Autonoma Madrid, Madrid, Spain
- + [132] Univ Oviedo, Oviedo, Spain
- + [133] Univ Cantabria, CSIC, Inst Fis Cantabria IFCA, Santander, Spain
- + [134] CERN, European Org Nucl Res, Geneva, Switzerland
- + [135] Paul Scherrer Inst, Villigen, Switzerland
- + [136] Swiss Fed Inst Technol, Inst Particle Phys & Astrophys IPA, Zurich, Switzerland
- + [137] Univ Zurich, Zurich, Switzerland
- + [138] Natl Cent Univ, Chungli, Taiwan
- + [139] Natl Taiwan Univ, Taipei, Taiwan
- + [140] Chulalongkorn Univ, Fac Sci, Dept Phys, Bangkok, Thailand
- + [141] Cukurova Univ, Dept Phys, Sci & Art Fac, Adana, Turkey
- + [142] Middle East Tech Univ, Dept Phys, Ankara, Turkey
- + [143] Bogazici Univ, Istanbul, Turkey
- + [144] Istanbul Tech Univ, Istanbul, Turkey
- + [145] Natl Acad Sci Ukraine, Inst Scintillat Mat, Kharkov, Ukraine
- + [146] Kharkov Inst Phys & Technol, Natl Sci Ctr, Kharkov, Ukraine
- + [147] Univ Bristol, Bristol, Avon, England
- + [148] Rutherford Appleton Lab, Didcot, Oxon, England
- + [149] Imperial Coll, London, England
- + [150] Brunel Univ, Uxbridge, Middx, England
- + [151] Baylor Univ, Waco, TX 76798 USA
- + [152] Catholic Univ Amer, Washington, DC 20064 USA
- + [153] Univ Alabama, Tuscaloosa, AL USA
- + [154] Boston Univ, Boston, MA 02215 USA
- + [155] Brown Univ, Providence, RI 02912 USA
- + [156] Univ Calif Davis, Davis, CA 95616 USA
- + [157] Univ Calif Los Angeles, Los Angeles, CA USA
- + [158] Univ Calif Riverside, Riverside, CA 92521 USA
- + [159] Univ Calif San Diego, La Jolla, CA 92093 USA
- + [160] Univ Calif Santa Barbara, Dept Phys, Santa Barbara, CA 93106 USA
- + [161] CALTECH, Pasadena, CA 91125 USA
- + [162] Carnegie Mellon Univ, Pittsburgh, PA 15213 USA
- + [163] Univ Colorado, Boulder, CO 80309 USA

- + [164] Cornell Univ, Ithaca, NY USA
- + [165] Fermilab Natl Accelerator Lab, POB 500, Batavia, IL 60510 USA
- + [166] Univ Florida, Gainesville, FL USA
- + [167] Florida Int Univ, Miami, FL 33199 USA
- + [168] Florida State Univ, Tallahassee, FL 32306 USA
- + [169] Florida Inst Technol, Melbourne, FL 32901 USA
- + [170] UIC, Chicago, IL USA
- + [171] Univ Iowa, Iowa City, IA USA
- + [172] Johns Hopkins Univ, Baltimore, MD USA
- + [173] Univ Kansas, Lawrence, KS 66045 USA
- + [174] Kansas State Univ, Manhattan, KS 66506 USA
- + [175] Lawrence Livermore Natl Lab, Livermore, CA USA
- + [176] Univ Maryland, College Pk, MD 20742 USA
- + [177] MIT, Cambridge, MA 02139 USA
- + [178] Univ Minnesota, Minneapolis, MN USA
- + [179] Univ Mississippi, Oxford, MS USA
- + [180] Univ Nebraska, Lincoln, NE USA
- + [181] SUNY Buffalo, Buffalo, NY USA
- + [182] Northeastern Univ, Boston, MA 02115 USA
- + [183] Northwestern Univ, Evanston, IL USA
- + [184] Univ Notre Dame, Notre Dame, IN 46556 USA
- + [185] Ohio State Univ, Columbus, OH 43210 USA
- + [186] Princeton Univ, Princeton, NJ 08544 USA
- + [187] Univ Puerto Rico, Mayaguez, PR USA
- + [188] Purdue Univ, W Lafayette, IN 47907 USA
- [189] Purdue Univ Northwest, Hammond, LA USA
- + [190] Rice Univ, Houston, TX USA
- + [191] Univ Rochester, Rochester, NY 14627 USA
- + [192] Rockefeller Univ, 1230 York Ave, New York, NY 10021 USA
- + [193] Rutgers State Univ, Piscataway, NJ USA
- + [194] Univ Tennessee, Knoxville, TN USA
- + [195] Texas A&M Univ, College Stn, TX USA
- + [196] Texas Tech Univ, Lubbock, TX 79409 USA
- + [197] Vanderbilt Univ, 221 Kirkland Hall, Nashville, TN 37235 USA
- + [198] Univ Virginia, Charlottesville, VA USA
- + [199] Wayne State Univ, Detroit, MI USA
- + [200] Univ Wisconsin, Madison, WI USA
- + [201] Vienna Univ Technol, Vienna, Austria
- + [202] Univ Fed Pelotas, Pelotas, Brazil
- + [203] Suez Univ, Suez, Egypt
- + [204] British Univ Egypt, Cairo, Egypt
- + [205] Helwan Univ, Cairo, Egypt
- + [206] Univ Haute Alsace, Mulhouse, France
- + [207] Rhein Westfal TH Aachen, Phys Inst A 3, Aachen, Germany
- + [208] Brandenburg Tech Univ Cottbus, Cottbus, Germany
- + [209] Indian Inst Technol Bhubaneswar, Bhubaneswar, Odisha, India
- + [210] Inst Phys, Bhubaneswar, Odisha, India
- + [211] Univ Visva Bharati, Santini Ketan, W Bengal, India
- [212] Univ Ruhuna, Matara, Sri Lanka

- + [213] Isfahan Univ Technol, Esfahan, Iran
- + [214] Yazd Univ, Yazd, Iran
- + [215] Islamic Azad Univ, Plasma Phys Res Ctr, Sci & Res Branch, Tehran, Iran
- + [216] Univ Siena, Siena, Italy
- + [217] Int Islamic Univ Malaysia, Kuala Lumpur, Malaysia
- [218] Agensi Nuklear Malaysia, MOSTI, Kajang, Malaysia
- [219] Consejo Nacl Invest Cient & Tecn, Mexico City, DF, Mexico
- + [220] Warsaw Univ Technol, Inst Elect Syst, Warsaw, Poland
- + [221] St Petersburg State Polytech Univ, St Petersburg, Russia
- + [222] Univ Florida, Gainesville, FL USA
- + [223] Budker Inst Nucl Phys, Novosibirsk, Russia
- [224] Scuola Normale, Pisa, Italy
- + [225] Sezione Ist Nazl Fis Nucl, Pisa, Italy
- + [226] Riga Tech Univ, Riga, Latvia
- [227] Stefan Meyer Inst Subat Phys SMI, Vienna, Austria
- + [228] Gaziosmanpasa Univ, Tokat, Turkey
- + [229] Istanbul Aydin Univ, Istanbul, Turkey
- + [230] Mersin Univ, Mersin, Turkey
- + [231] Cag Univ, Mersin, Turkey
- + [232] Piri Reis Univ, Istanbul, Turkey
- + [233] Adiyaman Univ, Adiyaman, Turkey
- + [234] Izmir Inst Technol, Izmir, Turkey
- + [235] Marmara Univ, Istanbul, Turkey
- + [236] Kafkas Univ, Kars, Turkey
- + [237] Istanbul Bilgi Univ, Istanbul, Turkey
- [238] Rutherford Appleton Lab, Rutherford, NJ USA
- + [239] Univ Southampton, Sch Phys & Astron, Southampton, Hants, England
- + [240] Inst Astrofis Canarias, San Cristobal la Laguna, Spain
- + [241] Utah Valley Univ, Orem, UT USA
- + [242] Beykent Univ, Istanbul, Turkey
- + [243] Bingol Univ, Bingol, Turkey
- + [244] Erzincan Univ, Erzincan, Turkey
- + [245] Sinop Univ, Sinop, Turkey
- + [246] Mimar Sinan Univ, Istanbul, Turkey
- + [247] Texas A&M Univ Qatar, Doha, Qatar

E-mail Addresses: cms-publication-committee-chair@cern.ch

Funding

Funding Agency	Grant Number
BMWF (Austria)	
FWF (Austria)	
FNRS (Belgium)	
FWO (Belgium)	
CNPq (Brazil)	
CAPES (Brazil)	
FAPERJ (Brazil)	
FAPESP (Brazil)	
MES (Bulgaria)	
CERN	

CAS (China)	
MoST (China)	
NSFC (China)	
COLCIEN-CIAS (Colombia)	
MSES (Croatia)	
CSF (Croatia)	
RPF (Cyprus)	
SENESCYT (Ecuador)	
MoER (Estonia)	
ERC IUT (Estonia)	
ERDF (Estonia)	
Academy of Finland (Finland)	
MEC (Finland)	
HIP (Finland)	
CEA (France)	
CNRS/IN2P3 (France)	
BMBF (Germany)	
DFG (Germany)	
HGF (Germany)	
GSRT (Greece)	
OTKA (Hungary)	
NIH (Hungary)	
DAE (India)	
DST (India)	
IPM (Iran)	
SFI (Ireland)	
INFN (Italy)	
MSIP (Republic of Korea)	
NRF (Republic of Korea)	
LAS (Lithuania)	
MOE (Malaysia)	
UM (Malaysia)	
BUAP (Mexico)	
CINVESTAV (Mexico)	
CONACYT (Mexico)	
LNS (Mexico)	
SEP (Mexico)	
UASLP-FAI (Mexico)	
MBIE (New Zealand)	
PAEC (Pakistan)	
MSHE (Poland)	
NSC (Poland)	
FCT (Portugal)	
JINR (Dubna)	
MON (Russia)	
RosAtom (Russia)	
RAS (Russia)	
RFRR (Russia)	

RAEP (Russia)	
MESTD (Serbia)	
SEIDI (Spain)	
CPAN (Spain)	
PCTI (Spain)	
FEDER (Spain)	
Swiss Funding Agencies (Switzerland)	
MST (Taipei)	
TheEP-Center (Thailand)	
IPST (Thailand)	
STAR (Thailand)	
NSTDA (Thailand)	
TUBITAK (Turkey)	
TAEK (Turkey)	
NASU (Ukraine)	
SFFR (Ukraine)	
STFC (United Kingdom)	
DOE (USA)	
NSF (USA)	

[View funding text](#)

Publisher

ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS

Categories / Classification

Research Areas: Astronomy & Astrophysics; Physics

Web of Science Categories: Astronomy & Astrophysics; Physics, Nuclear; Physics, Particles & Fields

[See more data fields](#)

◀ 6 of 138 ▶

Cited References: 55

Showing 30 of 55 [View All in Cited References page](#)

(from Web of Science Core Collection)

- Angular analysis of the $B \rightarrow K^*(0) \mu^+ \mu^-$ decay using 3 fb⁻¹ of integrated luminosity** Times Cited: 208

By: Aaij, R.; Beteta, C. Abelian; Adeva, B.; et al.
 Group Author(s): LHCb Collaboration
 JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 104 Published: FEB 16 2016
- Differential branching fraction and angular analysis of the decay $B \rightarrow K^*(0) \mu^+ \mu^-$** Times Cited: 89

By: Aaij, R.; Abellan Beteta, C.; Adeva, B.; et al.
 Group Author(s): LHCb Collaboration
 JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 131 Published: AUG 2013
- Measurement of Form-Factor-Independent Observables in the Decay $B \rightarrow K^*(0) \mu^+ \mu^-$** Times Cited: 293

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.
 Group Author(s): LHCb Collaboration
 PHYSICAL REVIEW LETTERS Volume: 111 Issue: 19 Article Number: 191801 Published: NOV 4 2013
- Measurements of the Angular Distributions in the Decays $B \rightarrow K^*(*) \mu^+ \mu^-$ at CDF** Times Cited: 83

By: Aaltonen, T.; Alvarez Gonzalez, B.; Amerio, S.; et al.

Group Author(s): CDF Collaboration

PHYSICAL REVIEW LETTERS Volume: 108 Issue: 8 Article Number: 081807 Published: FEB 24 2012

5. **Belle, Lepton-flavor-dependent angular analysis of $B \rightarrow K^* l^+ l^-$** Times Cited: 1
 By: Abdesselam, A.
 Phys. Rev. Lett. Volume: 118 Article Number: 111801 Published: 2017
 URL: <https://doi.org/10.1103/PhysRevLett.118.111801>

6. **GEANT4-a simulation toolkit** Times Cited: 10,211
 By: Agostinelli, S; Allison, J; Amako, K; et al.
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 506 Issue: 3 Pages: 250-303 Published: JUL 1 2003

7. **$B \rightarrow K^* l^+ l^-$ decay in soft-collinear effective theory** Times Cited: 44
 By: Ali, A.; Kramer, G.; Zhu, G.
 EUROPEAN PHYSICAL JOURNAL C Volume: 47 Issue: 3 Pages: 625-641 Published: SEP 2006

8. **Comparative study of the decays $B \rightarrow (K, K^*) l^+ l^-$ in the standard model and supersymmetric theories** Times Cited: 375
 By: Ali, A; Ball, P; Handoko, LT; et al.
 PHYSICAL REVIEW D Volume: 61 Issue: 7 Article Number: 074024 Published: APR 1 2000

9. **New physics in $b \rightarrow s \mu^+ \mu^-$: CP-conserving observables** Times Cited: 38
 By: Alok, Ashutosh Kumar; Datta, Alakabha; Dighe, Amol; et al.
 JOURNAL OF HIGH ENERGY PHYSICS Issue: 11 Article Number: 121 Published: NOV 2011

10. **New-physics contributions to the forward-backward asymmetry in $B \rightarrow K^* \mu^+ \mu^-$** Times Cited: 32
 By: Alok, Ashutosh Kumar; Dighe, Amol; Ghosh, Diptimoy; et al.
 JOURNAL OF HIGH ENERGY PHYSICS Issue: 2 Article Number: 053 Published: FEB 2010

11. **Model-independent constraints on new physics in $b \rightarrow s$ transitions** Times Cited: 40
 By: Altmannshofer, Wolfgang; Paradisi, Paride; Straub, David M.
 JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 008 Published: APR 2012

12. **Symmetries and asymmetries of $B \rightarrow K^* \mu^+ \mu^-$ decays in the Standard Model and beyond** Times Cited: 165
 By: Altmannshofer, Wolfgang; Ball, Patricia; Bharucha, Aoife; et al.
 JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 019 Published: JAN 2009

13. **Angular distributions in the decay $B \rightarrow K^* l^+ l^-$** Times Cited: 52
 By: Aubert, B.; Bona, M.; Karyotakis, Y.; et al.
 Group Author(s): BaBar Collaboration
 PHYSICAL REVIEW D Volume: 79 Issue: 3 Article Number: 031102 Published: FEB 2009

14. **$B-d, B-s \rightarrow \rho, \omega, K^*, \phi$ decay form factors from light-cone sum rules reexamined** Times Cited: 412
 By: Ball, P; Zwicky, R
 PHYSICAL REVIEW D Volume: 71 Issue: 1 Article Number: 014029 Published: JAN 2005

15. **Photos-a universal Monte Carlo for QED radiative corrections in Z and W decays** Times Cited: 1
 By: Barberio, E.; Was, Z.
 Eur. Phys. J. C Volume: 45 Pages: 97 Published: 2006
 URL: <https://doi.org/10.1140/epic/s2005-02396-4>

16. **Impact of $B \rightarrow K^* l^+ l^-$ on the New Physics search in $B \rightarrow K^* l^+ l^-$ decay** Times Cited: 43
 By: Becirevic, Damir; Tayduganov, Andrey
 NUCLEAR PHYSICS B Volume: 868 Issue: 2 Pages: 368-382 Published: MAR 11 2013

17. **$B \rightarrow V l^+ l^-$ in the Standard Model from light-cone sum rules** Times Cited: 70
 By: Bharucha, Aoife; Straub, David M.; Zwicky, Roman
 JOURNAL OF HIGH ENERGY PHYSICS Issue: 8 Article Number: 098 Published: AUG 16 2016

18. **The effect of S-wave interference on the $B \rightarrow K^* l^+ l^-$ angular observables** Times Cited: 23

By: Blake, Thomas; Egede, Ulrik; Shires, Alex

JOURNAL OF HIGH ENERGY PHYSICS Issue: 3 Article Number: 027 Published: MAR 2013

19. **The Decay $B \rightarrow RARR; K^0 \rightarrow \bar{K}^0$ at Low Hadronic Recoil and Model-Independent $\Delta B = 1$ Constraints** Times Cited: 30
 By: Bobeth, C.; Hiller, G.; Wacker, C.; et al.
 JHEP Volume: 1201 Pages: 107 Article Number: 1111.2558 Published: 2012
[\[Show additional data\]](#)
20. **The benefits of $B \rightarrow K^* l^+ l^-$ decays at low recoil** Times Cited: 69
 By: Bobeth, Christoph; Hiller, Gudrun; van Dyk, Danny
 JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 098 Published: JUL 2010
21. **General analysis of $B \rightarrow K^* l^+ l^-$ decays at low recoil** Times Cited: 92
 By: Bobeth, Christoph; Hiller, Gudrun; van Dyk, Danny
 PHYSICAL REVIEW D Volume: 87 Issue: 3 Article Number: 034016 Published: FEB 11 2013
22. **Phenomenology of nonstandard Z couplings in exclusive semileptonic $b \rightarrow s$ transitions** Times Cited: 162
 By: Buchalla, G; Hiller, G; Isidori, G
 PHYSICAL REVIEW D Volume: 63 Issue: 1 Article Number: 014015 Published: JAN 1 2001
23. **$B \rightarrow K^* l^+ l^-$, $K^0 \rightarrow \bar{K}^0 l^+ l^-$ decays in a family non-universal Z ' model** Times Cited: 26
 By: Chang, Qin; Li, Xin-Qiang; Yang, Ya-Dong
 JOURNAL OF HIGH ENERGY PHYSICS Issue: 4 Article Number: 052 Published: APR 2010
24. **Description and performance of track and primary-vertex reconstruction with the CMS tracker** Times Cited: 162
 By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.
 Group Author(s): CMS Collaboration
 JOURNAL OF INSTRUMENTATION Volume: 9 Article Number: P10009 Published: OCT 2014
25. **Performance of CMS muon reconstruction in pp collision events at $\sqrt{s} = 7$ TeV** Times Cited: 337
 By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.
 Group Author(s): CMS Collaboration
 JOURNAL OF INSTRUMENTATION Volume: 7 Article Number: P10002 Published: OCT 2012
26. **The CMS experiment at the CERN LHC** Times Cited: 1,505
 By: Chatrchyan, S.; Hmayakyan, G.; Khachatryan, V.; et al.
 Group Author(s): CMS Collaboration
 JOURNAL OF INSTRUMENTATION Volume: 3 Article Number: S08004 Published: AUG 2008
27. **Angular analysis and branching fraction measurement of the decay $B \rightarrow K^* \mu^+ \mu^-$** Times Cited: 46
 By: Chatrchyan, S.; Khachatryan, V.; Sirunyan, A. M.; et al.
 Group Author(s): CMS Collaboration
 PHYSICS LETTERS B Volume: 727 Issue: 1-3 Pages: 77-100 Published: NOV 2013
28. **CMS Luminosity Based on Pixel Cluster Counting-Summer 2013 Update** Times Cited: 56
 Group Author(s): CMS Collaboration
 CMS Physics Analysis Summary CMS-PAS-LUM-13-001 Published: 2013
29. **Kernel estimation in high-energy physics** Times Cited: 198
 By: Cranmer, K
 COMPUTER PHYSICS COMMUNICATIONS Volume: 136 Issue: 3 Pages: 198-207 Published: MAY 15 2001
30. **Global analysis of $b \rightarrow sll$ anomalies** Times Cited: 145
 By: Descotes-Genon, Sebastien; Hofer, Lars; Matias, Joaquim; et al.
 JOURNAL OF HIGH ENERGY PHYSICS Issue: 6 Pages: 1-70 Article Number: 92 Published: JUN 16 2016

Showing 30 of 55 [View All in Cited References page](#)

Clarivate

Accelerating innovation

[© 2019 Clarivate](#) [Copyright notice](#) [Terms of use](#) [Privacy statement](#) [Cookie policy](#)

[Sign up for the Web of Science newsletter](#) [Follow us](#)

