

Sabin Stoica - List of publications

Publications in Peer-review journals

- Short-range correlation energy of the electron gas, Rev. Roum. Phys. **22** (1977) 489, M. Apostol, L. Ixaru, **S. Stoica** and N. Stanica.
- Inelastic diffraction scattering of alpha particles. Blair's phase rule, St. Cerc. Fiz. **32** (1980) 871, N. Grama and **S. Stoica**.
- Density excitation spectrum of the one-dimensional Fermi gas, Phys. Stat. Sol.(b) **103** (1981) 411, M. Apostol, A. Corciovei and **S. Stoica**.
- Upon the treatment of the interaction of one particle and a quadrupole vibrational core, Rev. Roum. Phys. **27** (1982) 897, A.A. Raduta, C. Sabac and **S. Stoica**.
- The influence of three quasiparticles on the yrast bands of the transitional odd-mass nuclei, Rev. Roum. Phys. **28** (1983) 211, A.A. Raduta and **S. Stoica**.
- The phenomenological description of the rotational spectra of ^{189;191;193}Pt, Rev. Roum. Phys. **28** (1983) 867, A.A. Raduta, **S. Stoica** and N. Sandulescu.
- The energy predicted by the Coherent State Model for near vibrational nuclei, Rev. Roum. Phys. **29** (1984) 55, A. Raduta, C. Sabac and **S. Stoica**.
- Two asymptotic expansion of the $d_{lm}^1(\theta)$ for high values of l , Rev. Roum. Phys. **29** (1984) 289, N. Grama and **S. Stoica**.
- Coupling of one and three quasiparticles to a collective core projected from quadrupole coherent states, Z. Phys. **A 327** (1987) 275, A.A. Raduta and **S. Stoica**.
- Group theoretical methods for the description of nuclear molecular excitations, St. Cerc. Fiz. **40** (1988) 693, **S. Stoica**.
- Nucleon-nucleon potentials, St. Cerc. Fiz. **40** (1988) 747, **S. Stoica**.
- Spectroscopic properties of medium and heavy nuclei, **S. Stoica** (teza de doctorat).
- The $2\nu\beta\beta$ decay rate within a higher-pnQRPA approach, Phys. Lett. **B 254** (1991) 7, A.A. Raduta, A. Faessler **S. Stoica** and W.A. Kaminski.
- The $2\nu\beta\beta$ decay rate within a boson expansion formalism, Nucl. Phys. **A534** (1991) 149, A.A. Raduta, A. Faessler and **S. Stoica**.
- Gamow-Teller matrix elements for $2\nu\beta\beta$ decay within a second-QRPA approach, Phys. Rev. **C 47** (1993) 897, **S. Stoica** and W.A. Kaminski.
- Double-beta decay rates within a second QRPA approach, Nuovo Cimento, **106** (1993) 723, **S. Stoica** and W.A. Kaminski.
- Half-lives for two-neutrino double-beta-decay transitions to first 2^+ excited states, Phys. Rev. **C 49** (1994) 2240, **S. Stoica**.
- Two neutrino double-beta decay half-lives of ⁹⁶Zr and ¹⁰⁰Mo to excited states of ⁹⁶Mo and ¹⁰⁰Ru,

- Phys. Lett. **B 350** (1995) 152, **S. Stoica**.
- Half-lives for double-beta decay transitions to excited states, Balkan Phys. Lett. **41** (1995) 175, **S. Stoica**
 - Higher-Order QRPA for Charge-Changing Processes, Rom. J. Phys. **41** (1996) 481, **S. Stoica** and I. Mihut.
 - Nuclear structure calculations of the two-neutrino double-beta decay transitions to excited states, Nucl. Phys. **A 602** (1996) 197, **S. Stoica** and I. Mihut.
 - K-shell photoionization of atomic boron, J. Phys. **B 30** (1997) L1, N.R. Badnell, D. Petrini and **S. Stoica**.
 - Inner-shell photoionization of boron isoelectronic series, Astronomy & Astrophysics **334** (1998) L26, **S. Stoica**, D. Petrini and F. Bely-Dubau.
 - An extended Lipkin-type model with residual proton-neutron interaction, Nucl. Phys. **A 620** (1997)16, **S. Stoica**, J. Suhonen and I. Mihut,.
 - Charge-changing transitions in an extended Lipkin-type model, Eur. Phys. J. **A 3** (1998) 319, **S. Stoica**, I. Mihut and J. Suhonen,.
 - H-Dibaryons and the Big-Bang crisis, Phys. Rev. **D 59** (1999) 27303, J.de Freitas Pacheco, **S. Stoica**, F. Thevenin and J. Horvath.
 - Neutrinoless double-beta decay matrix elements within the second QRPA, Phys. Rev. **C 63** (2001) 05436, **S. Stoica** and H.V. Klapdor-Kleingrothaus.
 - Double-beta decay matrix elements for ^{76}Ge , Eur. Phys. J. **A 9** (2001)345., **S. Stoica** and H.V. Klapdor-Kleingrothaus.
 - Test of pnRPA method within an extended Lipkin model, Phys. Rev. **C 64** (2001) 017303, **S. Stoica**, I. Mihut and J. Suhonen.
 - Critical view on double-beta decay matrix elements within QRPA-based methods, Nucl. Phys. **A 694** (2001) 269, **S. Stoica** and H.V. Klapdor-Kleingrothaus.
 - Nuclear effects in bremsstrahlung neutrino production, Phys. Rev. **C 65**(2002) 022154, **S. Stoica** and J. Horvath.
 - Neutrino masses from double beta decay calculations, Rom. J. Phys. **47**(2002) 243, **S. Stoica** and V. Paun
 - Neutrino mass from double beta decay, Rom. J. Phys. **47** (2002) 497, **S. Stoica** and V. Paun.
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 - Double beta decay, nuclear physics and neutrino mass, Rom. Rep. Phys. **55** (2003) 737, **S. Stoica**.
 - $\beta\beta^-$, $\beta^+\beta^+$, β^+/EC and EC/EC half-lives for Cd106 within a secondQRPA method, Eur. Phys. J., **17** (2003) 529, **S. Stoica** and H.V. Klapdor-Kleingrothaus.
 - Double beta decay process and neutrino mass, Yadernaia Fizica, Volume 67 (2004) C1, **S. Stoica**

- Nuclear effects on neutrino emissivities from NN bremsstrahlung, Phys. Rev. C **69** (2004) 068801, **S. Stoica**, V. Paun and A. Negoita.
- Nuclear double beta decay process and the neutrino mass, Mod. Phys. Lett. A **19** (2004) 165, **S. Stoica**.
- Ab-initio no-core Shell Model calculations, Eur. Phys. J. A **25** (2005) 475, J. P. Vary, ..., **S. Stoica**, J. Phys. G **37** 055109.
- No core shell model calculations for 48-Ca, J. Phys. G: Nucl. Part. Phys. **36**, 2009 085103 , J.P. Vary, S. Popescu, **S. Stoica**, P. Navratilov.
- No-Core shell model for A = 47 and A = 49, nucl-th/0612022, J.P. Vary, A.G. Negoita, **S. Stoica**, J. Phys. G **37** 055109 (2010) .
- Axion emissivities from neutron stars, Nucl. Phys. A **828**, 439 (2009), **S. Stoica**, B. Pastrav, J. E. Horvath and A. Allen.
- Shell model calculations of double-beta decay lifetimes of ^{48}Ca , Bull. Am. Phys. Soc. **Vol 50**, (10), GD.0002 (2009), **S. Stoica**, A. Neacsu and M. Horoi.
- Shell model analysis of neutrinoless double beta decay of Ca48, Phys. Rev. C **81**, 024321 (2010), M. Horoi and **S. Stoica**.
- Shell model calculations of double-beta decay lifetimes of ^{76}Ge and ^{82}Se , Bull. Am. Phys. Soc. **Vol 55**, (14), GD.0002 (2010), **S. Stoica**, A. Neacsu and M. Horoi.
- Fast, efficient calculations of the Two-Body Matrix Elements of the transition Operators for $0\nu\beta\beta$ Decay, A. Neacsu, **S. Stoica** and M. Horoi, Phys. Rev. C **86**, 067304 (2012).
- Short-range nuclear effects on axion emissivities by nucleon–nucleon bremsstrahlung, J. Phys. G **39**, 085102 (2012), **S. Stoica**, B. Pastrav and A.C. Scafes.
- New Calculations for Phase Space Factors Involved in Double Beta Decay, **S. Stoica** and M. Mirea, Phys. Rev. C **88**, 037303, (2013).
- Neutrino properties probed by lepton number violating processes at low and high energies, S. Stoica, Rom. J. Phys., 58, nos. 5-6, (2013).
- Neutrino properties probed by lepton number violating processes, **S. Stoica**, Open Journal of Microphysics, ISSN 2162-2450, DOI:10.4236. OJM vol. 3-4, (2013).
- Study of nuclear effects in the computation of the $0\nu\beta\beta$ decay matrix elements, A. Neacsu and **S. Stoica**, J. Phys. G: Nucl. Part. Phys. **41**, 015201 (2014).
- Shell model calculations for neutrinoless DBD through exchange of heavy neutrinos, A. Neacsu and S. Stoica, Rom. Rep. Phys., **59**, no. 2 (2014).
- Phase space calculations for β - β - decays to final excited 2+1 states, T. Pahomi, A. Neacsu, M. Mirea, **S. Stoica**, Rom. Rep. Phys., **59**, no.2 (2014).
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Astrophys. & Space Science, **349**, 843 (2014).

- Constraints on Heavy Neutrino and SUSY Parameters Derived from the Study of Neutrinoless Double Beta Decay, Andrei Neacsu and **Sabin Stoica**, Adv. High Energy Phys., Volume 2014 (2014), **Article ID 724315**.

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- **S. Stoica**, Computation of products of phase space factors and nuclear matrix elements for the Double Beta Decay, Chinese Phys. C **43**, 064108 (2019).

- **S. Stoica**, Double-beta decay and its potential to explore beyond SM physics, Int. J. Mod. Phys. **33**, 1845012 (2018).

- J. -U. Nabi, M. Ishfaq, O. Nitescu, M. Mirea, **S. Stoica**, Adv. High Energy Phys. 2019, ID:5783618.

- M. Mirea and **S. Stoica** Phase space factors for Double-beta decay, Frontiers in Physics **7**, 12 (2019).

- Jameel-Un Nabi, Mavra Ishfaq, **Ovidiu Nițescu, Mihail Mirea and Sabin Stoica**, β^- -Decay Half-Lives of Even-Even Nuclei Using the Recently Introduced Phase Space Recipe, Universe **2020**, 6(1), 5; <https://doi.org/10.3390/universe6010005>

- O. Nitescu, St. Ghinescu and **S. Stoica**, Lorentz violation effects in two-neutrino double-beta decay, J. Phys. G **47**, 055112 (2020), (SS corresponding author).

- O.V. Nitescu, S.A. Ghinescu and **S. Stoica** Probing Lorentz violation in $2\nu\beta\beta$ decay using single electron spectra and angular correlations, Phys. Rev. D **103**, L031701 (2021), (SS corresponding author).

Invited lectures and oral contributions at conferences.

- Higher-order QRPA calculations for the $2\nu\beta\beta$ decay rate,

S. Stoica, at Int. School "New Trends in Theoretical and Experimental Nuclear Physics", Predeal, 1991.

- Possible choice of a double-beta emitter (invited lecture), **S. Stoica**, at NEMO Workshop on "Double Beta Decay", Le Mont St. Odille (Strasbourg), 22-25 March, 1993.

- Nuclear structure calculations for double-beta decay (invited lecture),

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- Nuclear aspects of double-beta decay (invited lecture), **S. Stoica**, Proceedings of the ASI-NATO Int. Summer School "Frontier Topics in Nuclear Physics", Predeal, 24 August - 4 September, 1993, eds. A. Sandulescu and W. Scheid, Pergamon, p 343.
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- Calculations for $2\nu\beta\beta$ transitions to the first 2^+ excited states (invited lecture), **S. Stoica**, Balkan Physics Conference, Izmir (Turcia), September, 1994.
- Second-QRPA calculations for double-beta decay (invited lecture), **S. Stoica**, Proceedings of the Workshop on "Double-beta Decay and Related Topics", World Scientific, 1994, Eds. H.V. Klapdor-Kleingrothaus and **S. Stoica**, p. 382.
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- Higher QRPA calculations for charge-changing processes (invited lecture), **S. Stoica**, at the Workshop "Annual meeting between astrophysicists and nuclear physicists", 2-4 December, 1996, ULB, Brussels (Belgium).
- Test of charge-changing processes in generalized Lipkin-type models, **S. Stoica**, INPC98, Paris, August 24-28, 1998.
- Extended Lipkin-type models with Residual Proton-Neutron Interaction (invited lecture), **S. Stoica**, Proc. of the Int. Summer School "Structure and Stability of Nucleon and Nuclear Systems", World Scientific, 1999, p 456.
- Nuclear structure calculations for double beta decay, Proc. of the Int. Conf. "Advanced in Nuclear Physics", World Scientific, 2000, p. 282, **S. Stoica** (invited lecture).
- Influence of the OPEP-type potential on bremsstrahlung neutrino production in neutron stars, Conf. on Critical phenomena in compact objects, Santa Barbara, August 3-7, 2000, **S. Stoica** and J. Horvath.
- Neutrino masses from double beta decay, Int. Conf. on Theor. Phys. (TH02), 22-27 iulie, 2002, Paris, **S. Stoica**.
- Neutrino masses from double beta decay, Conferinta Nat. Conf. of Theor. Phys., Bucharest, 2002, **S. Stoica** and V. Paun.
- Aspects of double beta decay, Nat. Conf. of Theor. Phys., 24-25 January, 2002, **S. Stoica** (invited lecture).
- New limits on neutrino masses from double beta decay, IDRANAP workshop,

- 2-6 September, 2002, Neptun, Romania, **S. Stoica** (invited lecture).
- Double beta decay and the neutrino mass, NSRT03, 2-6 Septembrie, 2003, Dubna, Russia, **S. Stoica** (invited lecture).
- Nuclear structure calculations for double beta decay, Workshop on Microscopic Nuclear Structure Theory, 27 September - 3 December, 2004, Seattle, USA, **S. Stoica** (invited lecture).
- Recent results in neutrino physics, Exotic nuclei and nuclear/particle astrophysics, June 13-24, 2005, Mamaia, Romania, **S. Stoica** (invited lecture).
- Double-beta decay process and derivation of neutrino mass, Exotic nuclei and nuclear/particle astrophysics, August 20-30, 2005, Sinaia, Romania, **S. Stoica** (invited lecture)
- Recent results in double-beta decay, Gheorghe Titeica Int. Conf. Theor. Phys., Busteni, June 10-13, 2008, **S. Stoica**.
- Axion emission from neutron stars, Workshop on Nuclear Reactions with Exotic Nuclei for Astrophysics, June 23-27, Sinaia, 2008, B. Pastrav and **S. Stoica**.
- Nuclear structure calculations for double-beta decay of ^{48}Ca with Shell model, Nat. Conf. Phys., September 10 - 13, 2008 - Magurele (Bucharest), Romania, A. Neacsu and **S. Stoica**.
- Axion emission from neutron stars by NN bremsstrahlung processes, Nat. Conf. Phys., September 10-13, 2008, Magurele (Bucharest), Romania, B. Pastrav and **S. Stoica**
- RICH calibration with Λ , Physics at LHC, September 29 - October 4, 2008, Split, Croatia, B. Popovici and **S. Stoica**
- Introduction to double-beta decay, CSSP10, 20 June – 3 July, 2010, Sinaia, Romania, **S. Stoica**
- Neutrino properties deduced from LNV processes at low and high energies, CSSP12, 25 June – 7 July, Sinaia, Romania
- Search for LNV processes at low and high energies, Workshop on Double Beta Decay, 3-7 September, 2012, ECT*-Trento, Italy, **S. Stoica**
- Theoretical Overview on Double Beta Decay, NEMO3&SuperNEMO collaboration meeting, Prague, 18-21 March, 2013, **S. Stoica** (invited lecture).
- New calculations of the phase-space factors for double beta decay, MEDEX13, Prague, 11 – 14 June, 2013, **S. Stoica** (invited lecture).
- Shell model calculations for neutrinoless double beta decay, Ischia-Napoli, 12-16 May, 2014, **S. Stoica** (invited lecture). S. Stoica, appeared in J. Phys.: Conference series **vol. 580** (2015).
- **S. Stoica** and M. Mirea, Values of the phase space factors for double beta decay, WORKSHOP ON CALCULATION OF DOUBLE-BETA-DECAY MATRIX ELEMENTS (MEDEX'15), Prague, 9-12 June. 2015.
- **S. Stoica**, Theoretical aspects of double beta decay, XIV International Conference on Topics in Astroparticles and Underground Physics (TAUP15), Torino, 7-11 September, 2015.

- **S. Stoica**, Theoretical challenges in DBD, Obs. De la Cote d'Azur, Nice, June, 2016, Nice, France.
- **S. Stoica**, Theoretical challenges in neutrinoless double-beta decay, I. Nucl. Phys. Conf. Adelaide, Australia, September 12-16, 2016.
- **S. Stoica**, New calculations for double-beta decay, MEDEX'17, Prague, May 29 – June 3, 2017.
- **S. Stoica**, Challenges in double-beta decay, Havana, Cuba, October 23 – 27, 2017.
- **S. Stoica**, Double Beta Decay and its potential to investigate BSM physics, TESNAT, Antalya, Turkey, April 20 -23, 2018.
- **S. Stoica**, Double-beta decay and its potential to explore beyond SM physics, BW2018, Nis, Serbia, June 10-14, 2018.
- **S. Stoica**, Neutrino properties deduced from the neutrinoless double beta decay study, NDM2018, Daejeon, June 29 – July 4, 2018.
- **S. Stoica**, Neutrino properties deduced from the double beta decay study, ICHEP2018, Seoul, July 4 -11, 2018.

- S. Ghinescu, O. Nimescu and **S. Stoica**, Investigation of Lorentz symmetry violation in Double Beta Decay, MEDEX'19, Prague, Czech, May 27-31, 2019 (invited lecture). Published in AIP Conference Proceedings **2165**, 020025 (2019); <https://doi.org/10.1063/1.5130986>

Articles in Books

- Half lives for two neutrino double beta decay transitions to excited states, **S. Stoica** in Sixty Years of Double Beta Decay, author H.V. Klapdor-Kleingrothaus, World Scientific, 2001.
- Two neutrino double beta decay half-lives of Zr^{96} and Mo^{100} to excited states of Mo^{96} and Ru^{100} , **S. Stoica** in Sixty Years of Double Beta Decay, author H.V. Klapdor-Kleingrothaus, World Scientific, 2001.
- Nuclear structure calculations for double beta decay, **S. Stoica** and I. Mihut, in Sixty Years of Double Beta Decay, author H.V. Klapdor-Kleingrothaus, World Scientific, 2001.
- **S. Stoica**, O. Civitarese and A. Barabash, Eds., Double-beta decay and its potential to explore beyond Standard Model physics, Frontiers in Physics 2019 (research topics) <https://www.frontiersin.org/research-topics/7668/double-beta-decay-and-its-potential-to-explorebeyond-standard-model-physics#overview>

Proceedings

- Proceedings of the Workshop on "Double-Beta Decay and Related Topics", Trento (Italy), April 24-May 5, 1995, Eds. H.V. Klapdor-Kleingrothaus and **S. Stoica**.
- Proceedings of the Int. Summer School "Structure and Stability of Nucleon and Nuclear Systems", August 24 - September 5, Predeal, 1998, Eds. A.A. Raduta, **S. Stoica** and I.I. Ursu, World Scientific, 1999.
- Proceedings of the Internat. Symposium "Advances in Nuclear Physics", Bucharest, December 9 - 10, 1999,

Eds. D.N. Poenaru and **S. Stoica**, World Scientific, 2000.

- Proceedings of the Carpathian Summer School " Exotic Nuclei and Nuclear/Particle Astrophysics", June 13-24, 2005, Mamaia, Romania, Eds. **S. Stoica**, L. Trache and R.E. Tribble, World Scientific, 2006.

- Proceedings of the Carpathian Summer School " Exotic Nuclei and Nuclear/Particle Astrophysics", August 20-30, 2007, Sinaia, Romania, Eds. L. Trache and **S. Stoica**, American Institute of Physics (AIP), 2008.

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Publications within LAGUNA collaboration (selection)

- The mass-hierarchy and CP-violation discovery reach of the LBNO long-baseline neutrino experiment
By: Agarwalla, S. K.; Agostino, L.; Aittola, M.; et al.
Group Author(s): LAGUNA-LBNO Collaboration
JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 094 Published: MAY 21 2014

- PRELIMINARY RESULTS OF NEUTRINO INTERACTIONS STUDY USING GENIE EVENT GENERATOR
By: Chesneanu, D.; Jipa, A.; Lazanu, I.; et al.
ROMANIAN REPORTS IN PHYSICS Volume: 64 Issue: 3 Pages: 695-701 Published: 2012

- ABOUT THE POSSIBILITY TO MEASURE SOME STANDARD MODEL PARAMETERS AND SEARCH FOR NEW PHYSICS WITH LOW ENERGY NEUTRINOS
By: Lazanu, I.; Apostu, A.; Brancus, I.; et al.
ROMANIAN REPORTS IN PHYSICS Volume: 64 Issue: 1 Pages: 24-32 Published: 2012

- A mobile detector for measurements of the atmospheric muon flux in underground sites
..., S Stoica, ...
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT Volume: 654 Issue: 1 Pages: 176-183 Published: OCT 21 2011

- STABILITY STUDY FOR A LARGE CAVERN IN SALT ROCK FROM SLANIC PRAHOVA
...,S Stoica, ...
Conference: Cracow Epiphany Conference on Physics in Underground Laboratories and Its Connection with LHC Location: Cracow, POLAND Date: JAN 05-08, 2010
ACTA PHYSICA POLONICA B Volume: 41 Issue: 7 Pages: 1789-1802 Published: JUL 2010

- Estimation of m.w.e (meter water equivalent) depth of the salt mine of Slanic Prahova, Romania
..., S. Stoica, ..., Carpathian Summer School of Physics Conference, Sinaia, ROMANIA Date: JUN 20-JUL 3, AIP Conference Proceedings Volume: 1304, p331 (2010), Eds. Trache, L; Stoica, S; Smirnov, A

Publications within LHCb collaboration (selection)

1. A study of the Σ production cross-section in pp collisions at $\sqrt{s} = 7$ TeV using tau final states, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1301 (2013) (citari: 35)
2. Amplitude analysis and the branching fraction measurement of $\bar{B}^0_s \rightarrow J/\psi K^+K^-$, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D 87 (2013) (citari: 36)
3. Branching fraction and CP asymmetry of the decays $B^+ \rightarrow K_{\text{S}}^0 \pi^+$ and $B^+ \rightarrow K_{\text{S}}^0 K^+$, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B 726 (2013) (citari: 4)
4. Determination of the X(3872) meson quantum numbers, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 110 (2013) (citari: 192)
5. Differential branching fraction and angular analysis of the $B^+ \rightarrow K^+ \mu^+ \mu^-$ decay, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1302 (2013) (citari: 60)
6. Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1308 (2013) (citari: 133)
7. Differential branching fraction and angular analysis of the decay $B_s^0 \rightarrow \phi \mu^+ \mu^-$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1307 (2013) (citari: 54)
8. Evidence for the decay $B^0 \rightarrow J/\psi \omega$ and measurement of the relative branching fractions of B^0_s meson decays to $J/\psi \eta$ and $J/\psi \eta'$, LHCb Collaboration, ..., S. Stoica, ... , NUCL PHYS B 867 (2013) (citari: 29)
9. Exclusive J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV, LHCb Collaboration, ..., S. Stoica, ... , J PHYS G NUCL PARTIC 40 (2013) (citari: 72)
10. First Evidence for the Decay $B_s^0 \rightarrow \mu^+ \mu^-$, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 110 (2013) (citari: 363)
11. First evidence for the annihilation decay mode $B^+ \rightarrow D_{\text{S}}^+ \phi$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1302 (2013) (citari: 10)
12. First evidence for the two-body charmless baryonic decay $B^0 \rightarrow p \bar{p}$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1310 (2013) (citari: 6)
13. First measurement of the CP-violating phase in $B_s^0 \rightarrow \phi \phi$ decays, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 110 (2013) (citari: 34)
14. First measurement of time-dependent CP violation in $B^0_s \rightarrow K^+K^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1310 (2013) (citari: 33)
15. First observation of CP violation in the decays of B^0_s mesons, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 110 (2013) (citari: 90)
16. First observation of $\bar{B}^0 \rightarrow J/\psi K^+K^-$ and search for $\bar{B}^0 \rightarrow J/\psi \phi$ decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D 88 (2013) (citari: 20)
17. First observation of the decay $B_s^0 \rightarrow \phi \bar{K}^{*0}$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1311 (2013) (citari: 11)
18. First observation of the decay $B_{\text{c}}^+ \rightarrow J/\psi K^+$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1309 (2013) (citari: 31)
19. First observation of the decay $B_{\text{S}}^{*(5840)0} \rightarrow B^{*+} K^-$ and studies of excited B^0_s mesons, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 110 (2013) (citari: 18)
20. First observations of $\bar{B}_s^0 \rightarrow D^+D^-$, $D_s^+D^-$ and $D^0\bar{D}^0$ decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D 87 (2013) (citari: 18)
21. Implications of LHCb measurements and future prospects, LHCb Collaboration, ..., S. Stoica, ... , EUR PHYS J C 73 (2013) (citari: 165)

22. Limits on neutral Higgs boson production in the forward region in pp collisions at $\sqrt{s} = 7$ TeV, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1305 (2013)
23. Measurement of J/ψ polarization in pp collisions at $\sqrt{s} = 7$ TeV, LHCb Collaboration, ..., S. Stoica, ... , EUR PHYS J C C73 (2013).
24. Measurement of J/ψ production in pp collisions at $\sqrt{s} = 2.76$ TeV, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1302 (2013) (citari: 41)
25. Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s} = 7$ TeV, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1308 (2013) (citari: 32)
26. Measurement of CP observables in $B^0 \rightarrow D K^{*0}$ with $D \rightarrow K^+ K^-$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1303 (2013) (citari: 14)
27. Measurement of CP violation in the phase space of $B^{\pm} \rightarrow K^{\pm} \pi^+ \pi^-$ and $B^{\pm} \rightarrow K^{\pm} K^+ K^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 111 (2013) (citari: 67)
28. Measurement of Form-Factor-Independent Observables in the Decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 111 (2013) (citari: 198)
29. Measurement of the $B^0 \rightarrow K^{*0} e^+ e^-$ branching fraction at low dilepton mass, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1305 (2013) (citari: 25)
30. Measurement of the $B^0 \rightarrow \bar{B}^0$ oscillation frequency Δm_d with the decays $B^0 \rightarrow D^+ \pi^-$ and $B^0 \rightarrow J/\psi K^{*0}$, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B719 (2013) (citari: 28)
31. Measurement of the $B^0 \rightarrow \mu^+ \mu^-$ branching fraction and search for $B^0 \rightarrow \mu^+ \mu^-$ decays at the LHCb experiment, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 111 (2013) (citari: 258)
32. Measurement of the $C\!/\!P$ asymmetry in $B^+ \rightarrow K^+ \mu^+ \mu^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 111 (2013) (citari: 11)
33. Measurement of the $C\!/\!P$ asymmetry in $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 110 (2013) (citari: 36)
34. Measurement of the Λ_b^0 , Ξ_b^- and Ω_b^- baryon masses, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 110 (2013) (citari: 43)
35. Measurement of the CKM angle γ from a combination of $B^{\pm} \rightarrow D h^{\pm}$ analyses, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B 726 (2013) (citari: 46)
36. Measurement of the D^{\pm} production asymmetry in 7 TeV pp collisions, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B718 (2013) (citari: 29)
37. Measurement of the cross-section for $Z \rightarrow e^+ e^-$ production in pp collisions at $\sqrt{s} = 7$ TeV, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1302 (2013) (citari: 69)
38. Measurement of the differential branching fraction of the decay $\Lambda_b^0 \rightarrow \Lambda \mu^+ \mu^-$, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B725 (2013) (citari: 25)
39. Measurement of the effective $B_{s^0} \rightarrow J/\psi K_S^0$ lifetime, LHCb Collaboration, ..., S. Stoica, ... , NUCL PHYS B 873 (2013) (citari: 21)
40. Measurement of the forward energy flow in pp collisions at $\sqrt{s} = 7$ TeV, LHCb Collaboration, ..., S. Stoica, ... , EUR PHYS J C C73 (2013) (citari: 13)
41. Measurement of the fragmentation fraction ratio f_s/f_d and its dependence on B meson kinematics, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1304 (2013) (citari: 90)
42. Measurement of the polarization amplitudes in $B^0 \rightarrow J/\psi K^{*0}$ decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D D88 (2013) (citari: 12)
43. Measurement of the ratio of branching fractions $BR(B^0 \rightarrow K^{*0} \gamma)/BR(B_s^0 \rightarrow \phi \gamma)$ and the direct CP asymmetry in $B^0 \rightarrow K^{*0} \gamma$, LHCb Collaboration, ..., S. Stoica, ... , NUCL PHYS B 867 (2013)

(citari: 32)

44. Measurement of the relative rate of prompt χ_{c0} , χ_{c1} and χ_{c2} production at $\sqrt{s}=7\text{TeV}$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1310 (2013) (citari: 32)

45. Measurement of the time-dependent CP asymmetry in $B^0 \rightarrow J/\psi K^0_{\text{S}}$ decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B721 (2013) (citari: 26)

46. Measurements of the $\Lambda_b^0 \rightarrow J/\psi \Lambda$ decay amplitudes and the Λ_b^0 polarisation in pp collisions at $\sqrt{s} = 7\text{TeV}$, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B 724 (2013) (citari: 31)

47. Measurements of the branching fractions of $B^+ \rightarrow p \bar{p} K^+$ decays, LHCb Collaboration, ..., S. Stoica, ... , EUR PHYS J C C73 (2013) (citari: 18)

48. Model-independent search for CP violation in $D^0 \rightarrow K^+ K^+ \pi^- \pi^+$ and $D^0 \rightarrow \pi^- \pi^+ \pi^+ \pi^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B726 (2013) (citari: 25)

49. Observation of $B^+_{\text{c}} \rightarrow J/\psi D_s^+$ and $B^+_{\text{c}} \rightarrow J/\psi D_s^{*+}$ decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D D87 (2013) (citari: 50)

50. Observation of $B^0_{\text{S}}-\bar{B}^0_{\text{S}}$ mixing and measurement of mixing frequencies using semileptonic B decays, LHCb Collaboration, ..., S. Stoica, ... , EUR PHYS J C C73 (2013) (citari: 14)

51. Observation of $B^0_{\text{S}} \rightarrow \chi_{c1} \phi$ decay and study of $B^0 \rightarrow \chi_{c1,2} K^{*0}$ decays, LHCb Collaboration, ..., S. Stoica, ... , NUCL PHYS B B874 (2013) (citari: 10)

52. Observation of $D^0 - \overline{D}^0$ oscillations, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 110 (2013) (citari: 85)

53. Observation of a resonance in $B^+ \rightarrow K^+ \mu^+ \mu^-$ decays at low recoil, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 111 (2013) (citari: 44)

54. Observation of the decay $B_c \rightarrow J/\psi K^+ K^- \pi^+$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1311 (2013) (citari: 21)

55. Observation of the decay $B_c^+ \rightarrow \psi(2S) \pi^+$, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D D87 (2013) (citari: 37)

56. Observation of the decay $B_s^0 \rightarrow \bar{D}^0 \phi$, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B727 (2013) (citari: 6)

57. Observation of the suppressed ADS modes $B^{\text{pm}} \rightarrow [\pi^{\text{pm}} K^{\text{mp}} \pi^+ \pi^-]_D K^{\text{pm}}$ and $B^{\text{pm}} \rightarrow [\pi^{\text{pm}} K^{\text{mp}} \pi^+ \pi^-]_D \pi^{\text{pm}}$, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B723 (2013) (citari: 33)

58. Observations of $B^0_{\text{S}} \rightarrow \psi(2S) \eta$ and $B^0_{\text{S}} \rightarrow \psi(2S) \pi^+ \pi^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , NUCL PHYS B B871 (2013) (citari: 9)

59. Precision measurement of D meson mass differences, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1306 (2013) (citari: 32)

60. Precision measurement of the $B^0_{\text{S}}-\bar{B}^0_{\text{S}}$ oscillation frequency with the decay $B^0_{\text{S}} \rightarrow D^+ \pi^+$, LHCb Collaboration, ..., S. Stoica, ... , New J.Phys. 15 (2013) (citari: 74)

61. Precision measurement of the Λ_b^0 baryon lifetime, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 111 (2013) (citari: 46)

62. Production of J/ψ and Υ mesons in pp collisions at $\sqrt{s} = 8\text{TeV}$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1306 (2013) (citari: 64)

63. Prompt charm production in pp collisions at $\sqrt{s}=7\text{TeV}$, LHCb Collaboration, ..., S. Stoica, ... , NUCL PHYS B B871 (2013) (citari: 100)

64. Search for CP violation in $D^+ \rightarrow \phi \pi^+$ and $D_s^+ \rightarrow K^0_S \pi^+$ decays, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1306 (2013) (citari: 23)
65. Search for $D^+(s)$ to $\pi^+ \mu^+ \mu^-$ and $D^+(s)$ to $\pi^- \mu^+ \mu^+$ decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B724 (2013) (citari: 35)
66. Search for direct CP violation in $D^0 \rightarrow h^- h^+$ modes using semileptonic B decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B723 (2013) (citari: 66)
67. Search for rare $B^0_{(s)} \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 110 (2013) (citari: 11)
68. Search for the decay $B_s^0 \rightarrow D^{*\mp} \pi^{\mp}$, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D D87 (2013) (citari: 8)
69. Search for the doubly charmed baryon Ξ_{cc}^+ , LHCb Collaboration, ..., S. Stoica, ... , JHEP 1312 (2013) (citari: 21)
70. Search for the lepton-flavor violating decays $B^0_s \rightarrow e^{\pm} \mu^{\mp}$ and $B^0 \rightarrow e^{\pm} \mu^{\mp}$, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 111 (2013) (citari: 19)
71. Search for the rare decay $D^0 \rightarrow \mu^+ \mu^-$, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B725 (2013) (citari: 34)
72. Search for the rare decay $K_S \rightarrow \mu^+ \mu^-$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1301 (2013) (citari: 20)
73. Searches for $B^0_{(s)} \rightarrow J/\psi p \bar{p}$ and $B^+ \rightarrow J/\psi p \bar{p} \pi^+$ decays, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1309 (2013) (citari: 5)
74. Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B724 (2013) (citari: 41)
75. Studies of the decays $B^+ \rightarrow p \bar{p} h^+$ and observation of $B^+ \rightarrow \Lambda(1520) p$, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D D88 (2013) (citari: 16)
76. Study of $B_{(s)}^0 \rightarrow K_{\text{rm S}}^0 h^+ h'^-$ decays with first observation of $B_{(s)}^0 \rightarrow K_{\text{rm S}}^0 K^{\pm} \pi^{\mp}$ and $B_{(s)}^0 \rightarrow K_{\text{rm S}}^0 \pi^+ \pi^-$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1310 (2013) (citari: 20)
77. Study of D_J meson decays to $D^+ \pi^-$, $D^0 \pi^+$ and $D^{*+} \pi^-$ final states in pp collision, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1309 (2013) (citari: 39)
78. A study of CP violation in $B^{\pm} \rightarrow DK^{\pm}$ and $B^{\pm} \rightarrow D \pi^{\pm}$ decays with $D \rightarrow K_S^0 K^{\pm} \pi^{\mp}$ final states, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B733 (2014) (citari: 17)
79. Angular analysis of charged and neutral $B \rightarrow K \mu^+ \mu^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1405 (2014) (citari: 20)
80. Dalitz plot analysis of $B_s^0 \rightarrow \bar{D}^0 K^- \pi^+$ decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D D90 (2014) (citari: 38)
81. Differential branching fractions and isospin asymmetries of $B \rightarrow K^{(*)} \mu^+ \mu^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1406 (2014) (citari: 67)
82. Evidence for CP Violation in $B^+ \rightarrow p \overline{p} K^+$ Decays, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 113 (2014) (citari: 16)
83. Evidence for the decay $B_c^+ \rightarrow J/\psi 3 \pi^+ 2 \pi^-$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1405 (2014) (citari: 16)
84. Evidence for the decay $X(3872) \rightarrow \psi(2S) \gamma$, LHCb Collaboration, ..., S. Stoica, ... , NUCL PHYS B B886 (2014) (citari: 44)
85. First measurement of the charge asymmetry in beauty-quark pair production, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 113 (2014) (citari: 15)

86. First observation of a baryonic B_c^+ decay, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 113 (2014) (citari: 9)
87. First observations of the rare decays $B^+ \rightarrow K^+ \pi^+ \pi^- \mu^+ \mu^-$ and $B^+ \rightarrow \phi K^+ \mu^+ \mu^-$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1410 (2014) (citari: 2)
88. Measurement of CP asymmetry in $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \pi^- \pi^+$ decays, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1407 (2014) (citari: 48)
89. Measurement of CP violation and constraints on the CKM angle γ in $B^{\pm} \rightarrow D K^{\pm}$ with $D \rightarrow K_S^0 \pi^+ \pi^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , NUCL PHYS B B888 (2014) (citari: 15)
90. Measurement of CP asymmetries in the decays $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ and $B^+ \rightarrow K^{*+} \mu^+ \mu^-$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1409 (2014) (citari: 14)
91. Measurement of Υ production in pp collisions at $\sqrt{s}=2.76$ TeV, LHCb Collaboration, ..., S. Stoica, ... , EUR PHYS J C C74 (2014) (citari: 21)
92. Measurement of $\psi(2S)$ polarisation in pp collisions at $\sqrt{s}=7$ TeV, LHCb Collaboration, ..., S. Stoica, ... , EUR PHYS J C C74 (2014) (citari: 19)
93. Measurement of CP asymmetry in $B^0_s \rightarrow D^{\pm} K^{\pm}$ decays, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1411 (2014) (citari: 22)
94. Measurement of CP violation in $B_s^0 \rightarrow \phi \phi$ decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D D90 (2014) (citari: 16)
95. Measurement of CP violation in the phase space of $B^{\pm} \rightarrow K^+ K^- \pi^{\pm}$ and $B^{\pm} \rightarrow \pi^+ \pi^- \pi^{\pm}$ decays, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 112 (2014) (citari: 47)
96. Measurement of CP violation parameters in $B^0 \rightarrow DK^{*0}$ decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D D90 (2014) (citari: 19)
97. Measurement of charged particle multiplicities and densities in pp collisions at $\sqrt{s}=7$ TeV in the forward region, LHCb Collaboration, ..., S. Stoica, ... , EUR PHYS J C C74 (2014) (citari: 12)
98. Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow \phi K^{*0}$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1405 (2014) (citari: 20)
99. Measurement of resonant and CP components in $\bar{B}_s^0 \rightarrow J/\psi \pi^+ \pi^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D D89 (2014) (citari: 37)
100. Measurement of the B_c^+ meson lifetime using $B_c^+ \rightarrow J/\psi \mu^+ \nu_{\mu} X$ decays, LHCb Collaboration, ..., S. Stoica, ... , EUR PHYS J C C74 (2014) (citari: 28)
101. Measurement of the CP-violating phase ϕ_s in $\bar{B}^0 \rightarrow D_s^+ D_s^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 113 (2014) (citari: 11)
102. Measurement of the Ξ_b^- and Ω_b^- baryon lifetimes, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B736 (2014) (citari: 14)
103. Measurement of the \bar{B}_s^0 meson lifetime in $D_s^+ \pi^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 113 (2014) (citari: 10)
104. Measurement of the \bar{B}^0 and \bar{B}_s^0 production asymmetries in pp collisions at $\sqrt{s}=7$ TeV, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B739 (2014) (citari: 13)
105. Measurement of the $\bar{B}_s^0 \rightarrow D_s^+ D_s^-$ and $\bar{B}_s^0 \rightarrow D^+ D_s^-$ effective lifetimes, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 112 (2014) (citari: 15)
106. Measurement of the $\chi_{b(3P)}$ mass and of the relative rate of $\chi_{b1}(1P)$ and $\chi_{b2}(1P)$ production, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1410 (2014) (citari: 14)
107. Measurement of the CKM angle γ using $B^{\pm} \rightarrow D K^{\pm}$ with $D \rightarrow K^0_{\text{rm S}}$

- $\pi^+\pi^-$, K^0_S K^+K^- decays, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1410 (2014) (citari: 20)
108. Measurement of the CP-violating phase ϕ_s in $\overline{B}^0 \rightarrow J/\psi \pi^+\pi^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B736 (2014) (citari: 29)
109. Measurement of the charge asymmetry in $B^{\pm} \rightarrow \phi K^{\pm}$ and search for $B^{\pm} \rightarrow \phi \pi^{\pm}$ decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B728 (2014) (citari: 10)
110. Measurement of the flavour-specific CP-violating asymmetry a_{sl}^{\pm} in B^0 decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B728 (2014) (citari: 50)
111. Measurement of the forward W boson cross-section in pp collisions at $\sqrt{s} = 7$ TeV, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1412 (2014) (citari: 25)
112. Measurement of the ratio of B_c^+ branching fractions to $J/\psi \pi^+$ and $J/\psi \mu^+ \nu_{\mu}$, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D D90 (2014) (citari: 9)
113. Measurement of the resonant and CP components in $\overline{B}^0 \rightarrow J/\psi \pi^+\pi^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D D90 (2014) (citari: 42)
114. Measurements of CP violation in the three-body phase space of charmless $B^{\pm} \rightarrow \phi$ decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D D90 (2014) (citari: 24)
115. Measurements of indirect CP asymmetries in $D^0 \rightarrow K^+K^-$ and $D^0 \rightarrow \pi^+\pi^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 112 (2014) (citari: 40)
116. Measurements of the B^+ , B^0 , B^0_s meson and Λ_b^0 baryon lifetimes, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1404 (2014) (citari: 41)
117. Observation of $B^0_s \rightarrow K^{*\pm} K^{\mp}$ and evidence for $B^0_s \rightarrow K^{*-} \pi^+$ decays, LHCb Collaboration, ..., S. Stoica, ... , New J.Phys. 16 (2014) (citari: 7)
118. Observation of Z production in proton-lead collisions at LHCb, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1409 (2014) (citari: 18)
119. Observation of $\bar{B}_{(s)} \rightarrow J/\psi f_1(1285)$ Decays and Measurement of the $f_1(1285)$ Mixing Angle, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 112 (2014) (citari: 13)
120. Observation of associated production of a Z boson with a D meson in the forward region, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1404 (2014) (citari: 13)
121. Observation of charmonium pairs produced exclusively in pp collisions, LHCb Collaboration, ..., S. Stoica, ... , J PHYS G NUCL PARTIC G41 (2014) (citari: 11)
122. Observation of overlapping spin-1 and spin-3 $D^0 K^-$ resonances at mass 2.86 GeV/ c^2 , LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 113 (2014) (citari: 34)
123. Observation of the $B^0_s \rightarrow J/\psi K^0 K^{\pm} \pi^{\mp}$ decay, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1407 (2014) (citari: 4)
124. Observation of the $\Lambda_b^0 \rightarrow J/\psi p \pi^-$ decay, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1407 (2014) (citari: 15)
125. Observation of the resonant character of the $Z(4430)^-$ state, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 112 (2014) (citari: 137)
126. Precision Measurement of the Mass and Lifetime of the Ξ_b^- Baryon, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 113 (2014) (citari: 14)
127. Precision luminosity measurements at LHCb, LHCb Collaboration, ..., S. Stoica, ... , JINST 9 (2014) (citari: 29)
128. Precision measurement of the mass and lifetime of the Ξ_b^0 baryon, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 113 (2014) (citari: 18)
129. Precision measurement of the ratio of the Λ_b^0 to \overline{B}^0 lifetimes, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B734 (2014) (citari: 37)

130. Search for CP violation using ST -odd correlations in $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1410 (2014) (citari: 18)
131. Search for CP violation in $D^{\pm} \rightarrow K^0_{\text{S}} K^{\pm}$ and $D^{\pm}_{\text{S}} \rightarrow K^0_{\text{S}} \pi^{\pm}$ decays, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1410 (2014) (citari: 10)
132. Search for CP violation in the decay $D^+ \rightarrow \pi^- \pi^+ \pi^+$, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B728 (2014) (citari: 17)
133. Search for Majorana neutrinos in $B^- \rightarrow \pi^+ \mu^- \mu^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 112 (2014) (citari: 33)
134. Search for the decay $D^0 \rightarrow \pi^+ \pi^- \mu^+ \mu^-$, LHCb Collaboration, ..., S. Stoica, ... , PHYS LETT B B728 (2014) (citari: 11)
135. Searches for Λ^0_{b} and Ξ^0_{b} decays to $K^0_{\text{S}} p \pi^-$ and $K^0_{\text{S}} p K^-$ final states with first observation of the $\Lambda^0_{\text{b}} \rightarrow K^0_{\text{S}} p \pi^-$ decay, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1404 (2014) (citari: 13)
136. Studies of beauty baryon decays to $D^0 p h^-$ and $\Lambda_c^+ h^-$ final states, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D D89 (2014) (citari: 24)
137. Study of J/ψ production and cold nuclear matter effects in $p\text{Pb}$ collisions at $\sqrt{s_{\text{NN}}} = 5$ TeV, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1402 (2014) (citari: 70)
138. Study of Υ production and cold nuclear matter effects in $p\text{Pb}$ collisions at $\sqrt{s_{\text{NN}}} = 5$ TeV, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1407 (2014) (citari: 24)
139. Study of χ_{b} meson production in $p p$ collisions at $\sqrt{s} = 7$ and 8 TeV and observation of the decay $\chi_{\text{b}} \rightarrow \Upsilon(3S) \gamma$, LHCb Collaboration, ..., S. Stoica, ... , EUR PHYS J C C74 (2014) (citari: 16)
140. Study of beauty hadron decays into pairs of charm hadrons, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 112 (2014) (citari: 15)
141. Study of forward $Z + \text{jet}$ production in pp collisions at $\sqrt{s} = 7$ TeV, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1401 (2014) (citari: 28)
142. Study of the kinematic dependences of Λ_{b}^0 production in pp collisions and a measurement of the $\Lambda_{\text{b}}^0 \rightarrow \Lambda_c^+ \pi^-$ branching fraction, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1408 (2014) (citari: 22)
143. Test of lepton universality using $B^+ \rightarrow K^+ \ell^+ \ell^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 113 (2014) (citari: 128)
144. Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s} = 7$ TeV, LHCb Collaboration, ..., S. Stoica, ... , J PHYS G NUCL PARTIC G41 (2014) (citari: 52)
145. B flavour tagging using charm decays at the LHCb experiment, LHCb Collaboration, ..., S. Stoica, ... , JINST 10 (2015) (citari: 3)
146. A study of CP violation in $B^{\pm} \rightarrow D h^{\pm}$ ($h=K, \pi$) with the modes $D \rightarrow K^{\pm} \pi^{\pm} \pi^0$, $D \rightarrow \pi^+ \pi^- \pi^0$ and $D \rightarrow K^+ K^- \pi^0$, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D D91 (2015) (citari: 5)
147. Amplitude analysis of $B^0 \rightarrow \bar{D}^0 K^+ \pi^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D D92 (2015) (citari: 1)
148. Angular analysis and differential branching fraction of the decay $B^0 \rightarrow \pi^0 \mu^+ \mu^-$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1509 (2015) (citari: 17)
149. Dalitz plot analysis of $B^0 \rightarrow \bar{D}^0 \pi^+ \pi^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D D92 (2015) (citari: 9)

150. Determination of the quark coupling strength $|V_{ub}|$ using baryonic decays, LHCb Collaboration, ..., S. Stoica, ... , Nature Phys. 11 (2015) (citari: 24)
151. Differential branching fraction and angular analysis of $\Lambda^0_b \rightarrow \Lambda \mu^+ \mu^-$ decays, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1506 (2015) (citari: 11)
152. Evidence for the strangeness-changing weak decay $\Xi_b^- \rightarrow \Lambda_b^0 \pi^-$, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 115 (2015) (citari: 3)
153. First measurement of the differential branching fraction and CP asymmetry of the $B^0 \rightarrow \pi^+ \pi^- \mu^+ \mu^-$ decay, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1510 (2015) (citari: 4)
154. First observation and amplitude analysis of the $B^0 \rightarrow D^+ K^- \pi^-$ decay, LHCb Collaboration, ..., S. Stoica, ... , PHYS REV D D91 (2015) (citari: 11)
155. First observation and measurement of the branching fraction for the decay $B^0_s \rightarrow D_s^{*\mp} K^{\pm}$, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1506 (2015) (citari: 1)
156. First observation of top quark production in the forward region, LHCb Collaboration, ..., S. Stoica, ... , Phys.Rev.Lett. 115 (2015) (citari: 9)
157. Forward production of Υ mesons in pp collisions at $\sqrt{s}=7$ and 8 TeV, LHCb Collaboration, ..., S. Stoica, ... , JHEP 1511 (2015) (citari: 5)
158. Identification of beauty and charm quark jets at LHCb, LHCb Collaboration, ..., S. Stoica, ... , JINST 10 (2015) (citari: 11)
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By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

PHYSICAL REVIEW LETTERS Volume: 117 Issue: 6 Article Number: 061803 Published: AUG 5 2016

A precise measurement of the $B\text{-}0$ meson oscillation frequency

By: Aaij, R.; Beteta, C. Abelian; Adeva, B.; et al.

Group Author(s): LHCb Collaboration

EUROPEAN PHYSICAL JOURNAL C Volume: 76 Issue: 7 Article Number: 412 Published: JUL 21 2016

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By: Aaij, R.; Beteta, C. Abellan; Adinolfi, M.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 052 Published: JUL 11 2016

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By: Aaij, R.; Beteta, C. Abellan; Adeva, B.; et al.

Group Author(s): LHCb Collaboration

PHYSICAL REVIEW D Volume: 93 Issue: 11 Article Number: 112018 Published: JUN 30 2016

Model-independent measurement of the CKM angle γ using $B^0 \rightarrow DK^0$ decays with $D \rightarrow K(S)(0)\pi^{(\pm)}$ and $K(S)(0)K+K^-$

By: Aaij, R.; Abellan Beteta, C.; Adeva, B.; et al.

Group Author(s): LHCb Collaboration

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First Observation of $D^0 - (\overline{D}^0)$ Oscillations in $D^0 \rightarrow K^+\pi^-\pi^+\pi^-$ Decays and Measurement of the Associated Coherence Parameters

By: Aaij, R.; Beteta, C. Abellan; Adeva, B.; et al.

Group Author(s): LHCb Collaboration

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Search for Violations of Lorentz Invariance and CPT Symmetry in $B_s(0)$ Mixing

By: Aaij, R.; Beteta, C. Abellan; Adeva, B.; et al.

Group Author(s): LHCb Collaboration

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By: Aaij, R.; Beteta, C. Abellan; Adeva, B.; et al.

Group Author(s): LHCb Collaboration

PHYSICS LETTERS B Volume: 757 Pages: 558-567 Published: JUN 10 2016

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Measurement of forward W and Z boson production in association with jets in proton-proton collisions at $\sqrt{s}=8$ TeV

By: Aaij, R.; Beteta, C. Abellan; Adeva, B.; et al.

Group Author(s): LHCb Collaboration

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Observation of $\Lambda^0(b) \rightarrow \psi(2S)pK^-$ and $\Lambda^0(b) \rightarrow J/\psi \pi^+\pi^-pK^-$ decays and a measurement of the $\Lambda(b)(0)$ baryon mass

By: Aaij, R.; Beteta, C. Abellan; Adeva, B.; et al.

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By: Aaij, R.; Abellan Beteta, C.; Adeva, B.; et al.

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By: Aaij, R.; Beteta, C. Abellan; Adeva, B.; et al.

Group Author(s): LHCb Collaboration

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By: Aaij, R.; Beteta, C. Abelian; Adeva, B.; et al.

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By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

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By: Aaij, R.; Beteta, C. Abellan; Adeva, B.; et al.

Group Author(s): LHCb Collaboration

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By: Aaij, R.; Beteta, C. Abellan; Adeva, B.; et al.

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By: Aaij, R.; Beteta, C. Abelian; Adeva, B.; et al.

Group Author(s): LHCb Collaboration

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Measurement of forward W and Z boson production in pp collisions at $\sqrt{s}=8\text{TeV}$

By: Aaij, R.; Beteta, C. Abellan; Adeva, B.; et al.

Group Author(s): LHCb Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 155 Published: JAN 26 2016

First observation of the decay $B-s(0) \rightarrow (KSK)-K-0^*(892)(0)$ at LHCb

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

JOURNAL OF HIGH ENERGY PHYSICS Issue: 1 Article Number: 012 Published: JAN 4 2016

Study of the production of $A(b)(0)$ and $(B)\overline{\text{bar}}(0)$ hadrons in pp collisions and first measurement of the $A(b)(0) \rightarrow J/\psi pK(-)$ branching fraction

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): The LHCb Collaboration

CHINESE PHYSICS C Volume: 40 Issue: 1 Article Number: 011001 Published: JAN 2016

Search for Higgs-like bosons decaying into long-lived exotic particles

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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By: Aaij, R.; Beteta, C. Abellan; Adeva, B.; et al.

Group Author(s): LHCb Collaboration

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By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

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By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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Measurement of forward $W \rightarrow e \nu$ production in pp collisions at $\sqrt{s}=8 \text{ TeV}$

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

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Measurement of the forward Z boson production cross-section in pp collisions at root s=13 TeV

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

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Observation of the $\Lambda(0)(b) \rightarrow \Lambda \phi$ decay

By: Aaij, R.; Beteta, C. Abellan; Adeva, B.; et al.

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A precise measurement of the B-0 meson oscillation frequency

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Search for Violations of Lorentz Invariance and CPT Symmetry in B-(s)(0) Mixing

By: Aaij, R.; Beteta, C. Abellan; Adeva, B.; et al.

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Observation of the Annihilation Decay Mode $B-0 \rightarrow K+K-$

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

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By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

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Measurement of the b- Quark Production Cross Section in 7 and 13 TeV pp Collisions

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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Observation of charmless baryonic decays B-s(0) -> p(p)over-barh plus h '(-)

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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Study of charmonium production in b-hadron decays and first evidence for the decay B-s(0) -> phi phi phi

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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Measurement of B-s(0) and D-s(-) Meson Lifetimes

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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Measurement of CP asymmetries in D-+/- -> eta 'pi(+/-) and D-S(+/-) -> eta 'pi(+/-) decays

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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Resonances and CP violation in $B\text{-}s(0)$ and $(B)\overline{\text{bar}}(s)(0) \rightarrow j \psi K+K\text{-}$ decays in the mass region above the I center dot(1020)

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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Observation of the Decays $\text{Alpha}(0)(b) \rightarrow \chi(c1)pK(-)$ and $\text{Alpha}(0)(b) \rightarrow \chi(c2)pK(-)$

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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First Observation of a Baryonic $B\text{-}s(0)$ Decay

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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Observation of the $B^+ \rightarrow D^*K^{-(+)}\pi^{(+)}$ decay

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

PHYSICAL REVIEW D Volume: 96 Issue: 1 Article Number: 011101 Published: JUL 19 2017

Observation of the decay $B\text{-}s(0) \rightarrow \eta(c)\phi$ and evidence for $B\text{-}s(0) \rightarrow \eta(c)\pi^{(+)}\pi^{(-)}$

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 7 Article Number: 021 Published: JUL 5 2017

Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s}=5\text{TeV}$

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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Measurement of the CP Violation Parameter $A(\text{Gamma})$ in $D\text{-}0 \rightarrow K+K\text{-}$ and $D\text{-}0 \rightarrow \pi^{(+)}\pi^{(-)}$ Decays

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

PHYSICAL REVIEW LETTERS Volume: 118 Issue: 26 Article Number: 261803 Published: JUN 28, 2017

Observation of the decay $\text{Lambda}(0)(b) \rightarrow pK^{(-)}\mu^{(+)}\mu^{(-)}$ and a search for CP violation

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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Search for the Decays $B\text{-}S(0) \rightarrow \tau^{(+)}\tau^{(-)}$ and $B\text{-}0 \rightarrow \tau^{(+)}\tau^{(-)}$

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

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Observation of $\eta(c)(2S) \rightarrow p(p)\overline{\text{bar}}$ and search for $X(3872) \rightarrow p(p)\overline{\text{bar}}$ decays

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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Search for CP violation in the phase space of $D\text{-}0 \rightarrow \pi^{(+)}\pi^{(-)}\pi^{(+)}\pi^{(-)}$ decays

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration
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Measurement of the J/psi pair production cross-section in pp collisions at root s=13TeV

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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Search for the B-s(0) -> eta'phi decay

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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Measurements of prompt charm production cross-sections in pp collisions at root s = 13 TeV (vol 03, 159, 2016)

By: Aaij, R.; Beteta, C. Abellan; Adeva, B.; et al.

Group Author(s): LHCb Collaboration

JOURNAL OF HIGH ENERGY PHYSICS Issue: 5 Article Number: 074 Published: MAY 15 2017

Measurement of forward J/psi production cross-sections in pp collisions at root s = 13 TeV (vol 10, pg 172, 2015)

By: Aaij, H.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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Measurement of the B-s(0)-> mu(+) mu(-) Branching Fraction and Effective Lifetime and Search for B-0 ->mu(+) mu(-) Decays

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

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Study of J/psi Production in Jets

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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Study of the D(0)p amplitude in Lambda(0)(b) -> D(0)p pi(-) decays

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

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Observation of Five New Narrow Omega(0)(c) States Decaying to Xi K-(c)-

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

PHYSICAL REVIEW LETTERS Volume: 118 Issue: 18 Article Number: 182001 Published: MAY 2 2017

Evidence for the two-body charmless baryonic decay B+ -> p(Lambda)over-bar

By: Aaij, R.; Adeva, B.; Adinolfi, M.; et al.

Group Author(s): LHCb Collaboration

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