

Wolfgang Altmannshofer

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

4,177
citations

159585

30
h-index

223800

46
g-index

47
all docs

47
docs citations

47
times ranked

4086
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | A facility to search for hidden particles at the CERN SPS: the SHiP physics case. Reports on Progress in Physics, 2016, 79, 124201. | 20.1 | 496 |
| 2 | Symmetries and asymmetries of $B \rightarrow K^{*1/4} \mu^+ \mu^-$ decays in the Standard Model and beyond. Journal of High Energy Physics, 2009, 2009, 019-019. | 4.7 | 392 |
| 3 | Neutrino Trident Production: A Powerful Probe of New Physics with Neutrino Beams. Physical Review Letters, 2014, 113, 091801. | 7.8 | 340 |
| 4 | Quark flavor transitions in $B \rightarrow K^{*1/4} \mu^+ \mu^-$ decays. Physical Review D, 2014, 89, . | 4.7 | 287 |
| 5 | New physics in $B \rightarrow K^{*1/4} \mu^+ \mu^-$ s transitions after LHC run 1. European Physical Journal C, 2015, 75, 1. | 3.9 | 237 |
| 6 | New physics in $B \rightarrow K^{*1/4} \mu^+ \mu^-$?. European Physical Journal C, 2013, 73, 1. | 3.9 | 224 |
| 7 | Anatomy and phenomenology of FCNC and CPV effects in SUSY theories. Nuclear Physics B, 2010, 830, 17-94. | 2.5 | 197 |
| 8 | Interpreting hints for lepton flavor universality violation. Physical Review D, 2017, 96, . | 4.7 | 169 |
| 9 | B-decay discrepancies after Moriond 2019. European Physical Journal C, 2020, 80, 1. | 3.9 | 153 |
| 10 | New physics in rare B decays after Moriond 2021. European Physical Journal C, 2021, 81, 952. | 3.9 | 153 |
| 11 | Explaining dark matter and B decay anomalies with an $L \rightarrow L \bar{\nu}$ model. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 148 |
| 12 | anomaly: A possible hint for natural supersymmetry with $B \rightarrow K^{*1/4} \mu^+ \mu^-$. Physical Review D, 2016, 94, 114011. | 4.7 | 131 |
| 13 | Status of the $B \rightarrow K^{*1/4} \mu^+ \mu^-$ anomaly. European Physical Journal C, 2017, 77, 1. | 3.9 | 110 |
| 14 | Model-independent constraints on new physics in $B \rightarrow K^{*1/4} \mu^+ \mu^-$ s transitions. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 83 |
| 15 | Indirect probes of the MSSM after the Higgs discovery. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 73 |
| 16 | Cornering new physics in $B \rightarrow K^{*1/4} \mu^+ \mu^-$ s transitions. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 72 |
| 17 | Predictions for lepton flavor universality violation in rare B decays in models with gauged $B-L$. Physical Review D, 2015, 92, . | 4.7 | 70 |
| 18 | Low energy probes of PeV scale sfermions. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 59 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | $R^D \langle \mathbf{D} \rangle^* \langle \mathbf{D} \rangle \langle \mathbf{D} \rangle$ <p>Experimental constraints on the coupling of the Higgs boson to electrons. Journal of High Energy Physics, 2015, 2015, 1.</p> | 4.7 | 55 |
| 20 | Experimental constraints on the coupling of the Higgs boson to electrons. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 55 |
| 21 | Neutrino tridents at DUNE. Physical Review D, 2019, 100, . | 4.7 | 55 |
| 22 | Light dark matter, naturalness, and the radiative origin of the electroweak scale. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 52 |
| 23 | Uncovering mass generation through Higgs flavor violation. Physical Review D, 2016, 93, . | 4.7 | 51 |
| 24 | Minimal flavor violating two-Higgs-doublet model at the LHC. Physical Review D, 2012, 86, . | 4.7 | 50 |
| 25 | The MFV limit of the MSSM for low $\tan \hat{\beta}^2$: meson mixings revisited. Journal of High Energy Physics, 2007, 2007, 065-065. | 4.7 | 44 |
| 26 | 750 GeV diphoton excess. Physical Review D, 2016, 93, . | 4.7 | 41 |
| 27 | Non-standard neutrino interactions and low energy experiments. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 40 |
| 28 | $B \rightarrow s \ell^+ \ell^- + \ell^+ \ell^-$ as current and future probe of new physics. Journal of High Energy Physics, 2017, 2017, 1. | 4.7 | 37 |
| 29 | Collider signatures of flavorful Higgs bosons. Physical Review D, 2016, 94, . | 4.7 | 35 |
| 30 | Viability of MSSM scenarios at very large $\tan \hat{\beta}^2$. Journal of High Energy Physics, 2010, 2010, 1. | 4.7 | 30 |
| 31 | Gauging the accidental symmetries of the standard model, and implications for the flavor anomalies. Physical Review D, 2020, 101, . | 4.7 | 30 |
| 32 | Electric dipole moments in a leptoquark scenario for the B-physics anomalies. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 26 |
| 33 | Light resonances and the low- q^2 bin of R_{K^*} . Journal of High Energy Physics, 2018, 2018, 1. | 4.7 | 25 |
| 34 | Constraining axionlike particles from rare pion decays. Physical Review D, 2020, 101, . | 4.7 | 23 |
| 35 | Electron EDM in the complex two-Higgs doublet model. Physical Review D, 2020, 102, . | 4.7 | 23 |
| 36 | Explaining $(g \hat{\beta}^2)^{1/4}$ with multi-TeV sleptons. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 21 |

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|----|--|-----|-----------|
| 37 | Rare top decays as probes of flavorful Higgs bosons. Physical Review D, 2019, 100, . | 4.7 | 17 |
| 38 | Fermion hierarchy from sfermion anarchy. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 16 |
| 39 | The flavor-locked flavorful two Higgs doublet model. Journal of High Energy Physics, 2018, 2018, 1. | 4.7 | 16 |
| 40 | Dark matter signals in dilepton production at hadron colliders. Physical Review D, 2015, 91, . | 4.7 | 11 |
| 41 | Flavorful two-Higgs-doublet models with a twist. Physical Review D, 2018, 98, . | 4.7 | 11 |
| 42 | Loop-induced determinations of V_{ub} and V_{cb} and V_{ub} and V_{cb} . Physical Review D, 2022, 105, . | 4.7 | 6 |
| 43 | Doubly blind spots in scalar dark matter models. Physical Review D, 2019, 100, . | 4.7 | 4 |
| 44 | Cosmological implications of the KOTO excess. Physical Review D, 2020, 102, . | 4.7 | 3 |
| 45 | Supersymmetric flavor clockwork model. Physical Review D, 2021, 104, . | 4.7 | 1 |
| 46 | Global Fits of B Decay Anomalies. Springer Proceedings in Physics, 2020, , 401-410. | 0.2 | 0 |