

Application of the matrix element method to Higgs boson pair production in the channel $HH \bar{b}bWW^*$ at the LHC

Ehataht, Karl; Veelken, Christian Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment 2022 / art. 166373, 14 p. : ill <https://doi.org/10.1016/j.nima.2022.166373>

Aspects of Higgs boson physics : vacuum stability, Yukawa couplings and $SO(10)$ unification = Higgsi bosoni füüsika aspektid : vaakumi stabiilsus, Yukawa interaktsioonid ja $SO(10)$ ühendteooriad

Ouyang, Ruiwen 2023 <https://doi.org/10.23658/taltech.39/2023> <https://digikogu.taltech.ee/et/Item/3574ebed-b8a5-4bc1-98b9-b10176a139a5>
https://www.ester.ee/record=b5571980*est

Doubly charged Higgs boson decays and implications on neutrino physics = Kahekordse laenguga Higgsi bosoni lagunemiste analüüs ja selle mõju neutriinofüüsikale

Kadastik, Mario 2008 https://www.ester.ee/record=b2424087*est

Evolutionary algorithms for hyperparameter optimization in machine learning for application in high energy physics

Tani, Laurits; Rand, Diana; Veelken, Christian; Kadastik, Mario The European Physical Journal C 2021 / art. 170, 9 p. : ill <https://doi.org/10.1140/epjc/s10052-021-08950-y>

Evolutionary algorithms for hyperparameter optimization in machine learning for application in high energy physics : [preprint]

Tani, Laurits; Rand, Diana; Veelken, Christian; Kadastik, Mario arXiv.org 2021 / 11 p. : ill <https://doi.org/10.48550/arXiv.2011.04434>

Measurement of Higgs boson couplings in final states featuring multiple leptons and hadronic τ decay products = Higgsi bosoni seoseparameetrite mõõtmine mitmeid leptoneid ja hadronilisi τ laguprodukte sisaldavates lõppolekutes

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Measurement of Higgs boson properties in leptonic final states using ML-methods = Higgsi bosoni omaduste mõõtmine leptoneid sisaldavates kanalites kasutades masinõppe meetodeid

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<https://digikogu.taltech.ee/et/Item/95677715-7be7-4696-a8a6-cdbe321761b2>

Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13$ TeV

Sirunyan, A. M.; Tumasyan, A.; Adam, W.; Bergauer, T.; Ehataht, Karl The European Physical Journal C 2021 / art. 378, 51 p. : ill <https://doi.org/10.1140/epjc/s10052-021-09014-x>

Meie maailm paistab olevat väike virvendus

Strandberg, Marek Sirp 2013 / lk. 24 : fot

Non-supersymmetric $SO(10)$ models with Gauge and Yukawa coupling unification

Djouadi, Abdelhak; Fonseca, Renato; Ouyang, Ruiwen; Raidal, Martti The European Physical Journal C 2023 / art. 529, 25 p. : ill <https://doi.org/10.1140/epjc/s10052-023-11696-4>

A review of elemental mass origin and fundamental forces unification for nuclear and aerospace industries

Hussain, Abrar; Abbas, Muhammad Mujtaba Journal of Modern Nanotechnology 2021 / 8 p. <https://doi.org/10.53964/jmn.2021002>

Search for Higgs boson pairs decaying to WW^*WW^* , $WW^*\pi$, and $\pi\pi\pi$ in proton-proton collisions at $\sqrt{s} = 13$ TeV

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Search for Higgs boson pairs decaying to WW^*WW^* , $WW^*\pi$, and $\pi\pi\pi$ in proton-proton collisions at $\sqrt{s} = 13$ TeV : [preprint]

Ehataht, Karl; Kadastik, Mario; Raidal, Martti; Tani, Laurits; Veelken, Christian arXiv.org 2023 / 62 p. : ill <https://doi.org/10.48550/arXiv.2206.10268>

Tau lepton identification and reconstruction : a new frontier for jet-tagging ML algorithms

Lange, Thomas; Nandan, Saswati; Pata, Joosep; Tani, Laurits; Veelken, Christian Computer physics communications 2024 / art. 109095 <https://doi.org/10.1016/j.cpc.2024.109095>

Tau lepton identification and reconstruction : a new frontier for jet-tagging ML algorithms : [preprint]

Lange, Thomas; Nandan, Saswati; Pata, Joosep; Tani, Laurits; Veelken, Christian arXiv.org 2023 / 22 p. : ill <https://doi.org/10.48550/arXiv.2307.07747>

Tipteaduse heaks tuleb geniaalsust ja töötahet toetada õigel ajal : [intervjuu akadeemik Martti Raidaliga]

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Yukawa coupling unification in non-supersymmetric SO(10) models with an intermediate scale

Djouadi, Abdelhak; **Ouyang, Ruiwen**; Raidal, Martti Physics Letters B 2022 / art. 136788, 7 p. : ill <https://doi.org/10.1016/j.physletb.2021.136788>