

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

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

Ehataht, Karl 2023 <https://doi.org/10.23658/taltech.52/2023> <https://digikogu.taltech.ee/et/Item/14ef9ae7-ad97-433b-a6a5-03741045bdfc>
https://www.ester.ee/record=b5638918*est

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 $\pi\pi$ in proton-proton collisions at $\sqrt{s} = 13$ TeV

Tumasyan, A.; Adam, W.; Andrejkovic, J. W.; **Ehataht, Karl** Journal of high energy physics 2023 / art. 95, 65 p. : ill [https://doi.org/10.1007/JHEP07\(2023\)095](https://doi.org/10.1007/JHEP07(2023)095)

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

Strandberg, Marek; Raidal, Martti Sirp 2013 / lk. 25 : fot <https://www.sirp.ee/s1-artiklid/c21-teadus/2013-12-12-14-09-28-2/>

Unified interpretation of scalegenesis in conformally extended standard models : a dynamical origin of Higgs portal

Ishida, Hiroyuki; Matsuzaki, Shinya; **Ouyang, Ruiwen** Chinese Physics C 2020 / art. 111002, 7 p. : ill <https://doi.org/10.1088/1674-1137/abb07f>

Vacuum stability with radiative Yukawa couplings

Gabrielli, Emidio; Marzola, Luca; Mürsepp, Kristjan; **Ouyang, Ruiwen** Journal of high energy physics 2022 / art. 142, 27 p. : ill [https://doi.org/10.1007/JHEP01\(2022\)142](https://doi.org/10.1007/JHEP01(2022)142)

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>