

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

Ehätäht, 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>

HLS-based optimization of tau triggering algorithm for LHC: a case study

Cherezova, Natalia; Mihhailov, Dmitri; Devadze, Sergei; Jutman, Artur 2022 18th Biennial Baltic Electronics Conference (BEC) 2022 / 6 p. : ill <https://doi.org/10.1109/BEC56180.2022.9935599>

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

Tumasyan, A.; Adam, W.; Andrejkovic, J. W.; **Ehätäht, Karl**; Tani, Laurits 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)

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]

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

Stitching Monte Carlo samples

Ehätäht, Karl; Veelken, Christian The European Physical Journal C 2022 / art. 484, 16 p. : ill <https://doi.org/10.1140/epjc/s10052-022-10407-9>

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>