

## Публикации свързани с дисертацията на Елтон Шумка

- E. Shumka et al. Machine learning based tool for CMS RPC currents quality monitoring. *Nuclear Instruments and Methods in Physics Research Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, 1054:168449, 2023. doi: <https://doi.org/10.1016/j.nima.2023.168449>
- The CMS Collaboration. Measurement of time-dependent CP violation in  $B_s^0 \rightarrow J/\psi\phi(1020)$  decays with the CMS detector. Technical report, CERN, Geneva, 2024. Expected to be published in *Physical Review Letters*. url: <https://cds.cern.ch/record/2894821?ln=en>
- A. Dimitrov, ..., E. Shumka et al. CMS RPC Non-Physics Event Data Automation Ideology. Submitted to *Nuclear Instruments and Methods Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*
- The CMS Collaboration. Measurement of the  $B_s^0 \rightarrow J/\psi K_S^0$  effective lifetime from proton-proton collisions at  $\sqrt{s} = 13$  TeV. *JHEP*, doi: [https://doi.org/10.1007/JHEP10\(2024\)247](https://doi.org/10.1007/JHEP10(2024)247)