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Selected Publications

[1] L. Anderlini *et al.*, *Lamarr: the ultra-fast simulation option for the LHCb experiment*, in *41st International Conference on High Energy Physics – PoS(ICHEP2022)*, **414** 233, 2022

[2] M. Barbetti, *Lamarr: LHCb Ultra-Fast Simulation based on machine learning models deployed within Gauss*, in *21st International Workshop on Advanced Computing and Analysis Techniques in Physics Research (ACAT 2022)*, arXiv:2303.11428

[3] F. Ratnikov *et al.*, *A full detector description using neural network driven simulation*, in *15th Pisa Meeting on Advanced Detectors*, Nucl. Instrum. Meth. A **1046** (2023) 167591

[4] L. Anderlini *et al.*, *Towards Reliable Neural Generative Modeling of Detectors*, in *20th International Workshop on Advanced Computing and Analysis Techniques in Physics Research (ACAT 2021)*, J. Phys.: Conf. Ser. **2438** (2023) 012130, arXiv:2204.09947

[5] M. Barbetti and L. Anderlini, *Hyperparameter Optimization as a Service on INFN Cloud*, in *21st International Workshop on Advanced Computing and Analysis Techniques in Physics Research (ACAT 2022)*, arXiv:2301.05522

[6] L. Anderlini and M. Barbetti, *scikinC: a tool for deploying machine learning as binaries*, in *Computational Tools for High Energy Physics and Cosmology – PoS(CompTools2021)*, **409** 034, 2022

[7] LHCb Collaboration, *Measurement of antiproton production from antihyperon decays in pHe collisions at* $\sqrt{s_{\rm NN}} = 110$ GeV, arXiv:2205.09009

[8] E. M. Abenavoli *et al.*, *Characterization of mediastinal bulky lymphomas with FDG-PET-based radiomics and machine learning techniques*, Cancers **15** (2023) 1931

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