

Darin Acosta and Jacobo Konigsberg (Experimentalists-CMS)

Postdocs: Luca Cadamuro, Jia Fu Low, Efe Yigitbasi

Students: Daniel Guerrero, Suzanne Rosenzweig, Xunwu Zuo

- ML for real time data selection (level 1 muon trigger system in CMS).
 - ML classifiers for event selection.
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Dimitri Bourilkov (Experimentalist-CMS, Grid computing)

- ML approaches to improve sensitivity to new physics.
 - Invited review paper titled “Machine and Deep Learning Applications in Particle Physics”, Int. J. Mod. Phys. A **34**, no.35, 1930019 (2020), [arXiv:1912.08245]
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Konstantin Matchev (Theorist, CMS)

Students: Alex Roman, Prasanth Shyamsundar

- ML for improving different elements of the simulation and analysis pipeline.
- Teaching a class on ML in physics in fall 2020.