Online software news





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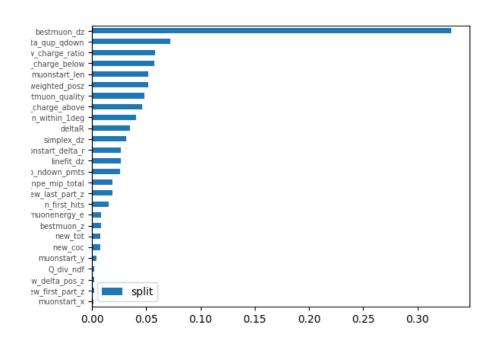
CPPM Astro meeting

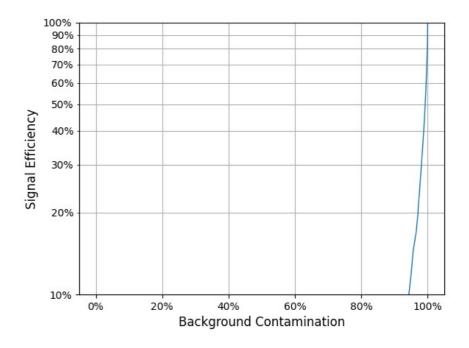
30 January 2024

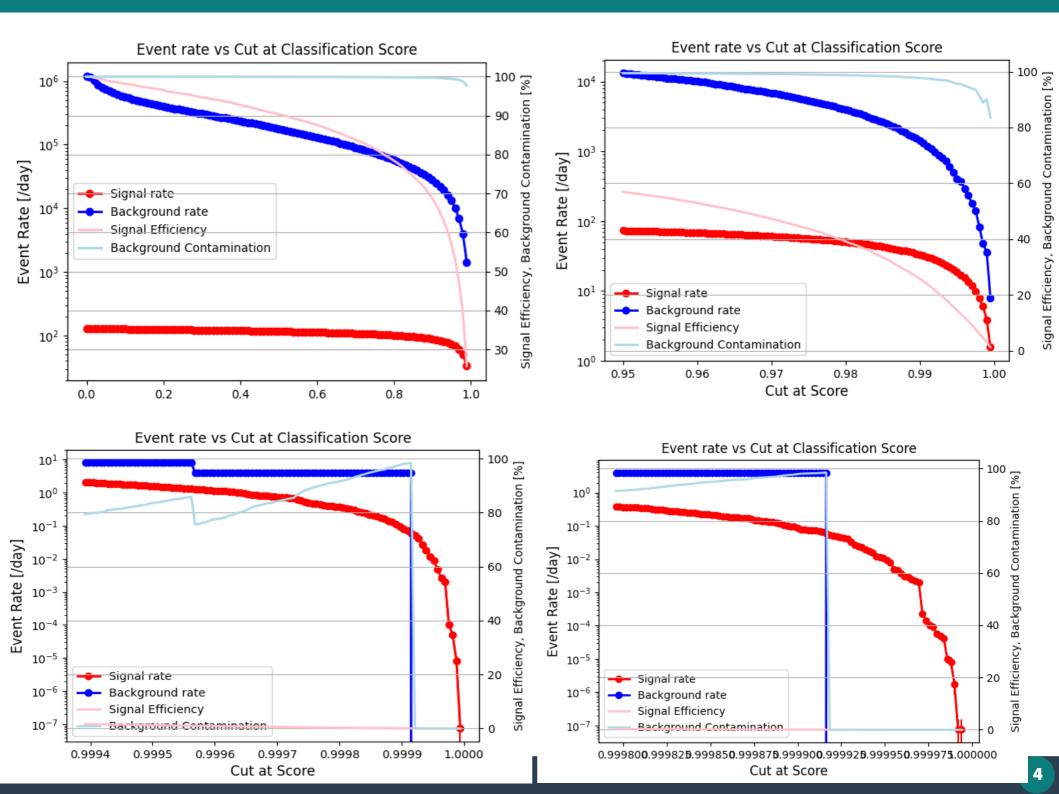
Online Classification

- Xgboost version: 1.7.2 → 2.0.2
 - Very fast
 - But gives different results
 - MAP (Mean Average Precision) metric gives probability between 0.4 and 0.6
 - Another metric is used for evaluation: Binary classification error rate
 - Error = #(wrong cases)/#(all cases)
- Model ready for production if ...

Feature importance split and SignalEff_vs_BkgCon







New server for online production: antorcamm3



- Will be dedicated to production only (RTA)
- Antorcamm1 also for RTA
- Antorcamm2 dedicated to MM and monitoring
- Antorcadaq9 for development
- Installation of Alma linux 9 this week

Snakemake pipeline to prepare ML datasets

Git project:

https://git.km3net.de/online_multimessenger/orca_ml_datasets_preparation/

- Ok for small production but not suited to mass production
 - To many data to be downloaded
 - Use xrootd protocol to stream root input files and produce h5 files
- Hard to know what are the type of available files and where they are stored. Same for detx files.
 - Documentation (aanet, dst,..)?
 - Maybe some code to be rewritten ... but not this week