

05/03/2024 GELATO Weekly

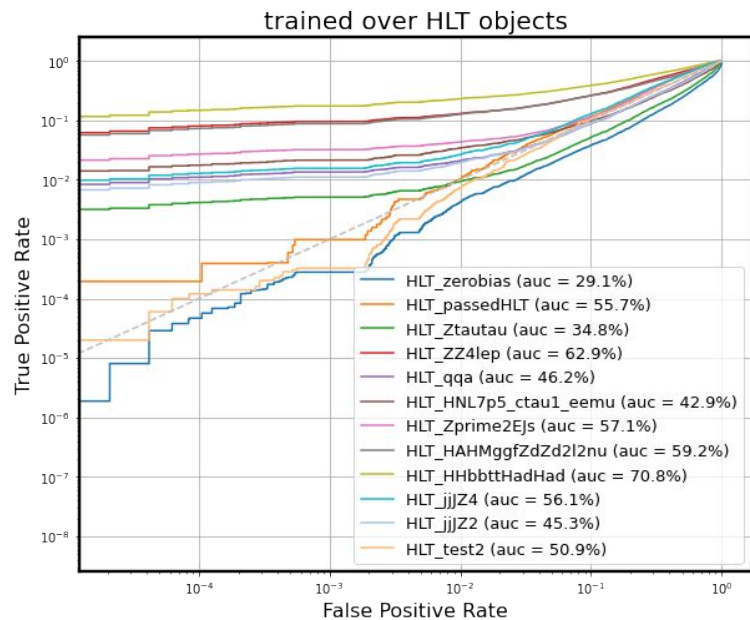
Max Cohen



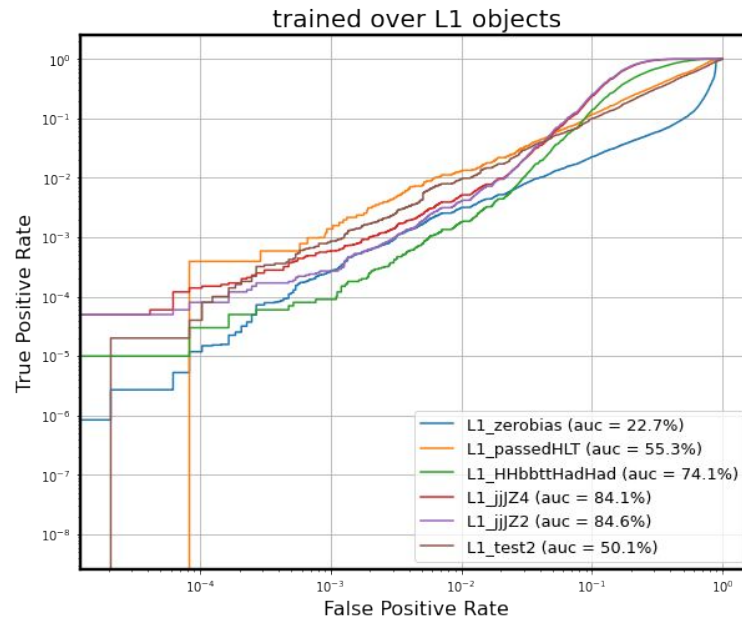
Updates from this week

- Our MC samples are getting processed to AODFULL
 - We'll soon have a more complete set of L1 signals
- Kept trying to compare training over HLT vs L1 objects
- Submitted grid runs for all four EB datasets
- Tried to save offline objects from the EB file, error saving offline MET

Recall from last week



Trained over HLT events with HLT objects



Trained over HLT events with L1 objects

Slightly updated, but still no pictures :(

abs(HLT event - reconstruction)

| | | |
|----------------|----------------|----------------|
| 0.056 +- 0.061 | 1.064 +- 0.761 | 1.258 +- 0.851 |
| 0.039 +- 0.036 | 1.426 +- 1.084 | 1.462 +- 0.931 |
| 0.027 +- 0.026 | 0.597 +- 0.581 | 1.508 +- 0.927 |
| 0.024 +- 0.020 | 0.695 +- 0.604 | 1.509 +- 0.922 |
| 0.023 +- 0.018 | 0.815 +- 0.701 | 1.476 +- 0.947 |
| 0.022 +- 0.017 | 1.423 +- 1.651 | 1.430 +- 0.967 |
| 0.022 +- 0.017 | 1.265 +- 1.380 | 1.393 +- 0.984 |
| 0.021 +- 0.016 | 1.445 +- 1.312 | 1.323 +- 1.002 |
| 0.021 +- 0.015 | 1.356 +- 1.252 | 1.263 +- 1.009 |
| 0.020 +- 0.013 | 1.249 +- 1.203 | 1.196 +- 1.025 |
| 0.092 +- 0.017 | 0.900 +- 0.321 | 1.286 +- 0.324 |
| 0.015 +- 0.015 | 1.012 +- 0.417 | 1.102 +- 0.474 |
| 0.149 +- 0.139 | 0.806 +- 0.573 | 1.342 +- 0.836 |
| 0.058 +- 0.025 | 0.485 +- 0.435 | 0.487 +- 0.687 |
| 0.038 +- 0.009 | 0.296 +- 0.237 | 0.197 +- 0.257 |
| 0.031 +- 0.009 | 0.387 +- 0.311 | 0.362 +- 0.314 |
| 0.033 +- 0.024 | 0.837 +- 0.588 | 1.003 +- 0.602 |
| 0.034 +- 0.023 | 0.823 +- 0.558 | 1.032 +- 0.594 |
| 0.025 +- 0.016 | 0.808 +- 0.584 | 1.166 +- 0.895 |
| 0.068 +- 0.027 | 0.710 +- 0.422 | 0.207 +- 0.383 |

Trained over HLT events with HLT objects

abs(L1 event - reconstruction)

| | | |
|----------------|----------------|----------------|
| 0.132 +- 0.132 | 1.279 +- 1.027 | 0.853 +- 0.761 |
| 0.088 +- 0.077 | 2.044 +- 1.775 | 1.148 +- 0.894 |
| 0.064 +- 0.049 | 2.412 +- 1.890 | 1.155 +- 0.841 |
| 0.054 +- 0.036 | 2.565 +- 1.815 | 0.972 +- 0.840 |
| 0.048 +- 0.027 | 2.608 +- 1.670 | 0.750 +- 0.816 |
| 0.046 +- 0.024 | 2.725 +- 1.803 | 0.619 +- 0.757 |
| 0.043 +- 0.020 | 2.750 +- 1.834 | 0.557 +- 0.697 |
| 0.044 +- 0.018 | 3.532 +- 2.861 | 0.523 +- 0.624 |
| 0.041 +- 0.015 | 2.631 +- 1.998 | 0.374 +- 0.593 |
| 0.041 +- 0.014 | 2.681 +- 2.035 | 0.408 +- 0.555 |
| 0.064 +- 0.065 | 0.790 +- 0.594 | 0.776 +- 0.740 |
| 0.037 +- 0.034 | 0.800 +- 0.614 | 1.125 +- 0.770 |
| 0.021 +- 0.015 | 0.762 +- 0.600 | 1.091 +- 0.800 |
| 0.001 +- 0.002 | 0.550 +- 0.582 | 0.865 +- 0.757 |
| 0.001 +- 0.001 | 0.502 +- 0.478 | 0.772 +- 0.583 |
| 0.002 +- 0.002 | 0.546 +- 0.432 | 0.722 +- 0.537 |
| 0.081 +- 0.075 | 0.804 +- 0.547 | 0.700 +- 0.631 |
| 0.040 +- 0.026 | 0.918 +- 0.605 | 1.044 +- 0.829 |
| 0.019 +- 0.011 | 0.849 +- 0.535 | 0.963 +- 0.766 |
| 0.129 +- 0.126 | 0.243 +- 0.174 | 0.333 +- 0.352 |

Trained over HLT events with L1 objects

Trained over zerobias spectrum

