Using Lyon GPU

EDNN_OPTS=0`.

2024-07-08 14:30:39.556543: E tensorflow/compiler/xla/stream_executor/cuda/cuda_dnn.cc:9342] Unable to register cuDNN factory: Attempting to register factory for plugin cuDNN when one has already been registered 2024-07-08 14:30:39.556596: E tensorflow/compiler/xla/stream_executor/cuda/cuda_fft.cc:609] Unable to register cuFFT factory: Attempting to register factory for plugin cuFFT when one has already been registered 2024-07-08 14:30:39.556625: E tensorflow/compiler/xla/stream_executor/cuda/cuda_blas.cc:1518] Unable to register cuBLAS factory: Attempting to register factory for plugin cuBLAS when one has already been registered 2024-07-08 14:30:39.556625: E tensorflow/compiler/xla/stream_executor/cuda/cuda_blas.cc:1518] Unable to register cuBLAS factory: Attempting to register factory for plugin cuBLAS when one has already been registered 2024-07-08 14:30:39.565883: I tensorflow/core/platform/cpu_feature_guard.cc:182] This TensorFlow binary is optimized to use available CPU in structions in performance-critical operations. To enable the following instructions: AVX2 AVX512F AVX512_VNNI FMA, in other operations, rebuild TensorFlow with the appropriate compiler fl ags. [2024-07-08 14:30:49,792][INF0] - GPU 0: Tesla V100-SXM2-32GB with compute capability 7.0

[2024-07-08 14:30:49,792][INFO] - System Config: OrderedDict([('cpu_compiler', '/usr/lib/llvm-16/bin/clang'), ('cuda_compute_capabilities', [['sm_35', 'sm_50', 'sm_60', 'sm_70', 'sm_75', 'compute_80']), ('cuda_version', '11.8'), ('cudnn_version', '8'), ('is_cuda_build', True), ('i s_rocm_build', False), ('is_tensorrt_build', True)])

[2024-07-08 14:30:49,792][INFO] - Setting seed to 42

[2024-07-08 14:30:49,793][INFO] - Setting decay steps to 58125

[2024-07-08 14:30:49,793][INFO] - Using input type: int_const

[2024-07-08 14:30:49,794][INF0] - Using augmentations: []

2024-07-08 14:30:49.879973: I tensorflow/core/common_runtime/gpu/gpu_device.cc:1886] Created device /job:localhost/replica:0/task:0/device:G PU:0 with 31141 MB memory: -> device: 0, name: Tesla V100-SXM2-32GB, pci bus id: 0000:af:00.0, compute capability: 7.0

[2024-07-08 14:31:06,445][INFO] - Drawing data distribution with 1000 samples

/sps/atlas/c/cflorenc/qgtag/quarkgluontagger/venv/lib/python3.9/site-packages/atlasify/__init__.py:88: UserWarning: Attempted to set non-pos itive bottom vlim on a log-scaled axis

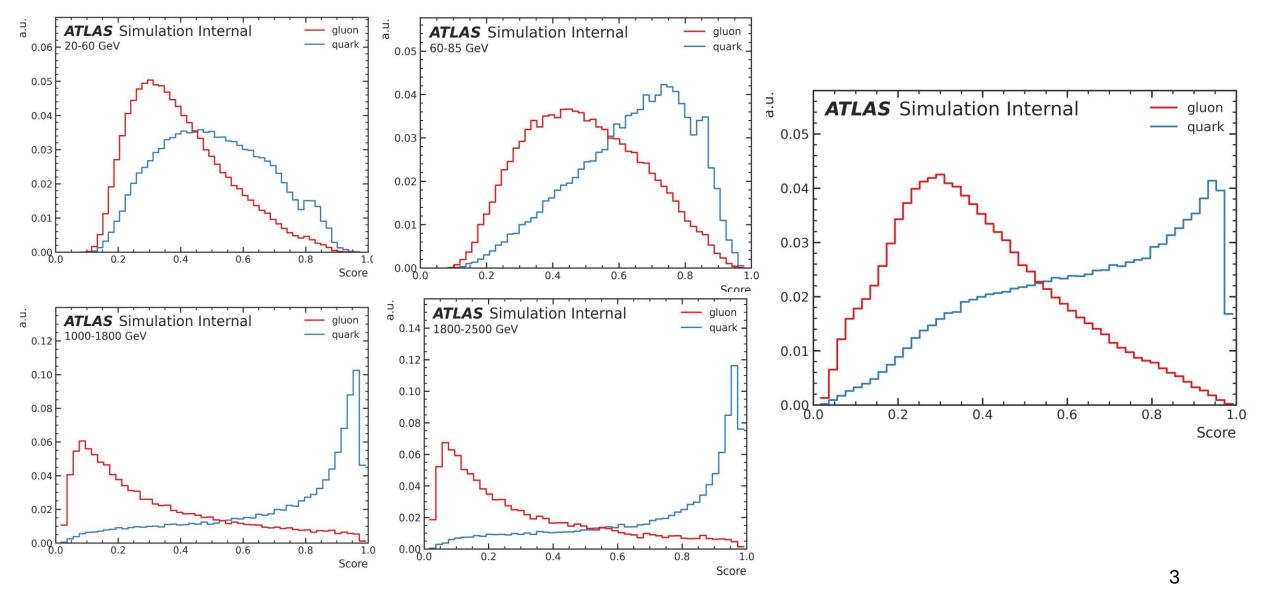
Number of Events by Region

Full Region: 10M of training

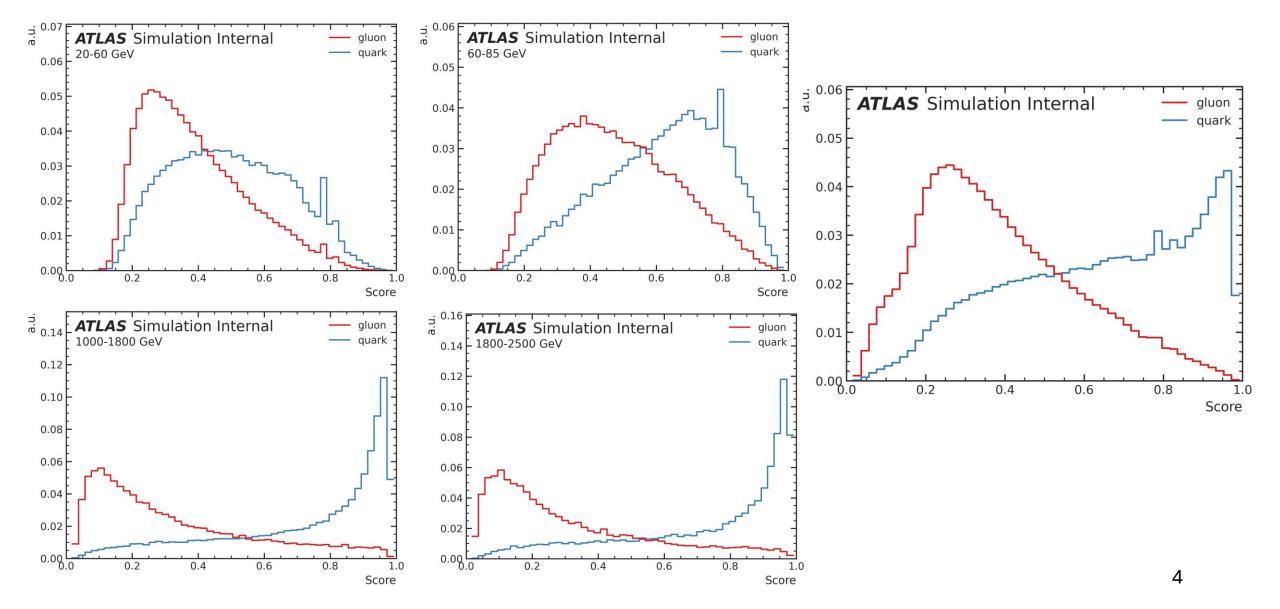
Central Region: 8.5M of training

Forward Region: 3.0M of trainnig

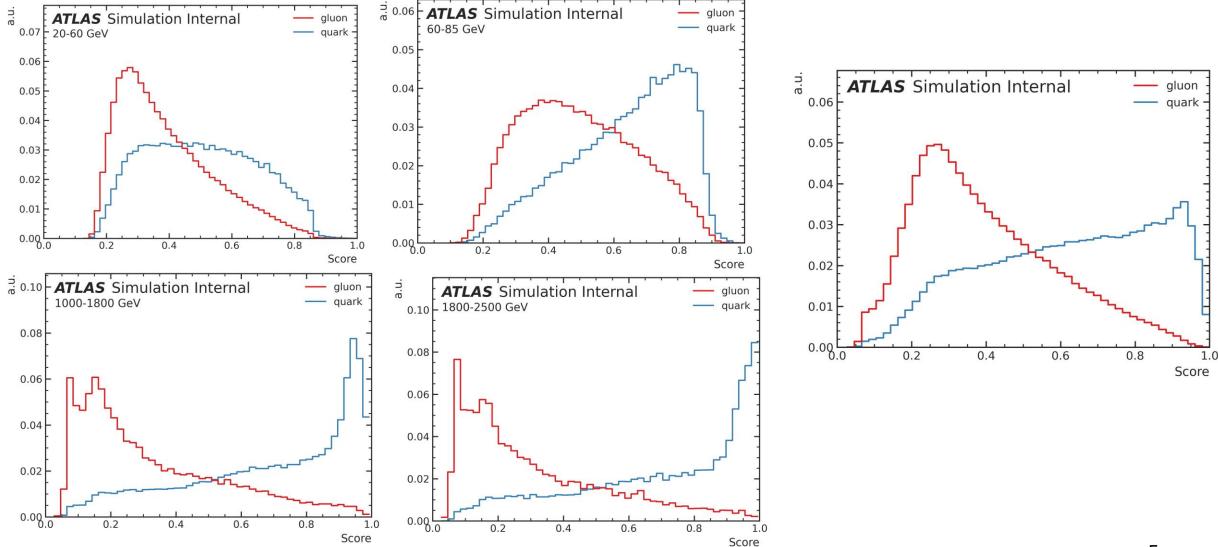
Depart. Constituents. Full Region.



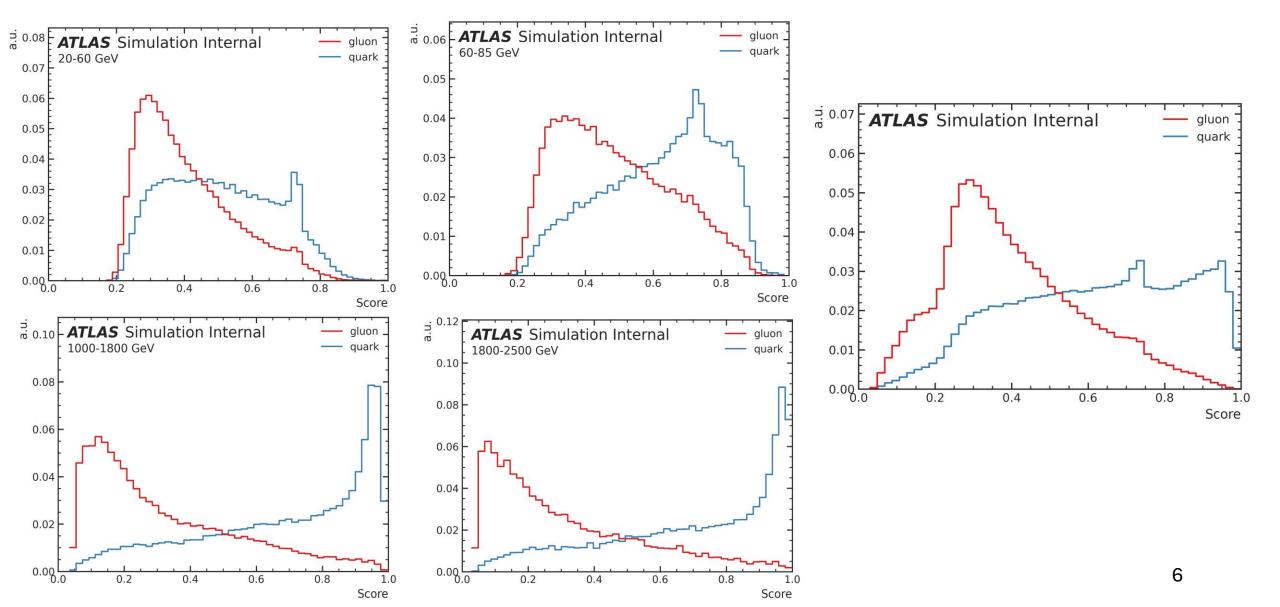
Part. Constituents. Full Region.



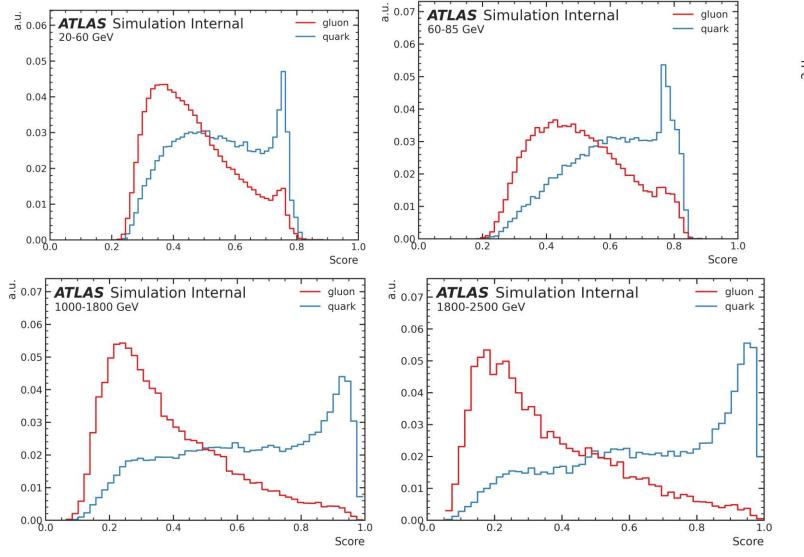
Highway. High Level. Full Region.

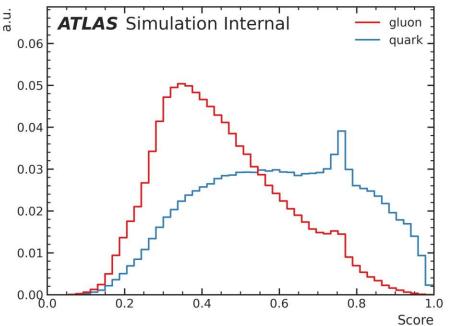


FC. High Level. Full Region.

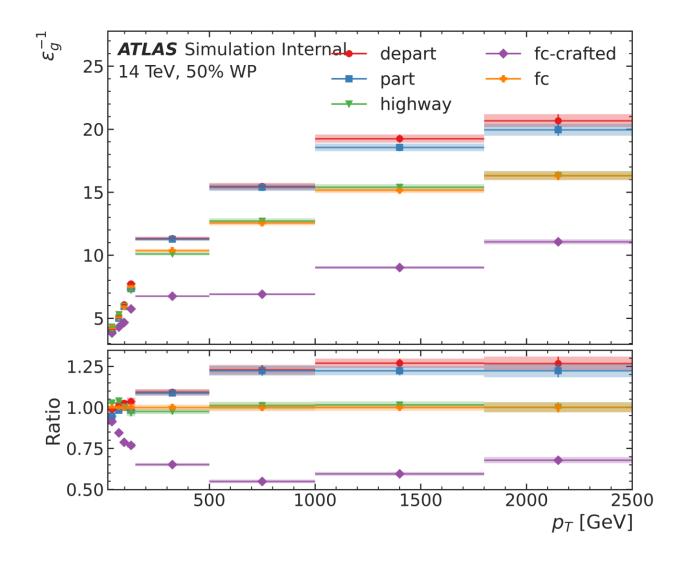


FC. Crafted. Full Region.





Gluon Rejection



L3 Gluing error study on single muons