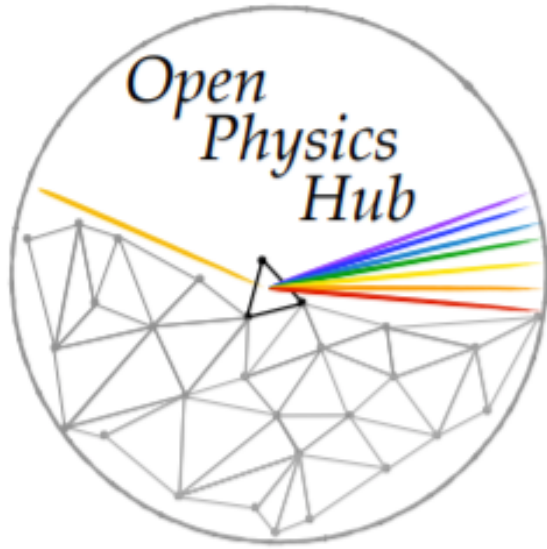# HIGH PERFORMANCE COMPUTING CLUSTER

"MATRIX" features

- 32 multi-core Intel XeonGold 5120 processors with dual thread
- 8 GB of memory per physical core (4 GB per virtual dual threaded core)
- 100 Gb/s InfiniBand connection
- 240 TB of disk space on SAS disks

"BLADE RUNNER" specifications:

Infiniband connected nodes:
- 2 nodes with 24 virtual cores and 64 GB RAM
- 2 nodes with 32 virtual cores and 64 GB RAM
- 1 node with 32 virtual cores and 128 GB RAM
- 2 nodes with 16 virtual cores and 24 GB RAM

Ethernet connected nodes:
- 2 nodes with 12 virtual cores and 16 GB RAM
- 2 nodes with 32 virtual cores and 64 GB RAM

https://site.unibo.it/openphysicshub/en