



Gaia cluster characteristics

- **Computing:** 154 nodes, 2024 cores; $R_{peak} \approx 21.7$ TFlops
- **Storage:** 480 TB (NFS) + 240 TB (Lustre) + 884TB (backup)

9x Bullx B enclosure (63U)
132 BullX B500 **[1584 cores]**

60 (2*6c Intel Xeon L5640@2.26GHz)
40 (2*6c Intel Xeon X5670@2.93GHz)
32 (2*6c Intel Xeon X5675@3.07GHz)
RAM: 48GB

15 BullX B505 [144 cores]
12 (2*6c Intel Xeon L5640@2.26GHz), RAM: 96GB
12 (2*4c Intel Xeon E5640@2.66GHz), RAM: 24GB

20 GPGPU Accelerator [12032 GPU cores]
4 Nvidia Tesla M2070 [448c]
20 Nvidia Tesla M2090 [512c]

LCSB Belval - 151 Computing nodes (2000 cores)

1x Dell R820 (4U) [32 cores]
(4*8c Intel Xeon E5-4640@2.4GHz), RAM: 1TB

5x Dell R720 (10U) [80 cores]
(2*8c Intel Xeon E5-2660@2.2GHz), RAM: 64 GB

1x BullX BCS enclosure (6U)
4 BullX S6030 **[160 cores]**
(16*10c Intel Xeon E7-4850@2GHz), RAM: 1TB

5x GPGPU Accelerator [13440 GPU cores]
5 Nvidia K20m [2688c]

Logos: debian POWERED, CentOS, Xen, Puppet, fai Fully Automatic Installation