

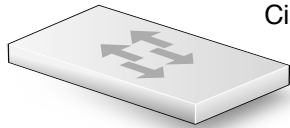
Uni.lu (Kirchberg)  
Chaos cluster

LCSB Belval  
(gaia cluster)

Uni.lu



Cisco Nexus C5010  
10GbE



Infiniband QDR 40 Gb/s  
(Min Hop)

**CS.43 (416 cores) Computing Nodes**

1x HP c7000 enclosure (10U)  
32 blades HP BL2x220c G6 [384 cores]  
(2\*6c Intel Xeon L5640@2.26GHz, RAM: 24GB)

1x Dell R910 (4U) [32 cores]  
(4\*6c Intel Xeon X7560@2,26GHz, RAM: 1TB)

**AS.28 (708 cores) Computing Nodes**

1x Dell M1000e enclosure (10U)  
16 blades Dell M610 [196 cores]  
(2\*6c Intel Xeon L5640@2.26GHz, RAM: 24GB)

1x Dell M1000e enclosure (10U)  
16 blades Dell M620 [256 cores]  
(2\*8c Intel Xeon E5-2660@2.2GHz, RAM: 32GB)

2x HP SL6500 (8U)  
16 blades SL230s Gen8 [256 cores]  
(2\*8c Intel Xeon E5-2660@2.2GHz, RAM: 32GB)

**Chaos cluster characteristics**

- **Computing:** 81 nodes, 1124 cores;  $R_{peak} \approx 14.508$  TFlops
- **Storage:** 180 TB (NFS) + 180TB (NFS, backup)