



“NCC”

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UNESP Center for Scientific Computing

- Consolidates scientific computing resources for São Paulo State University (UNESP) researchers
 - It mainly uses Grid computing paradigm
- Users
 - UNESP researchers, students, and software developers
 - SPRACE project (São Paulo Research and Analysis Center)
 - ❑ Caltech, Fermilab, CERN
 - ❑ São Paulo CMS Tier-2 Facility

UNESP Center for Scientific Computing



SPRACE - CMS Tier2 Facility

- 144 worker nodes
 - Physical/Logical CPUs: 288/1088
 - HEPSpec06: 13698
- 02 head nodes
- 04 auxiliary servers
- 12 storage servers
 - 1 PB (raw), 0.85 PB (effective): 81% usage
- CSC Network
 - LAN: 1 Gbps & 10 Gbps
 - MAN: 10 Gbps & 100 Gbps
 - WAN: 4x10Gbps & 100 Gbps

Intel® Partnership

- IPCC (Intel Parallel Computing Center)
 - Vectorization of Geant (**GE**ometry **ANd** Tracking)
- Intel Modern Code
 - Workshops and Tutorials
 - ❑ High Performance Computing (HPC)
 - ❑ Big Data
 - HPC Consultancy

