

WLCG-HSF Workshop 2018

LAL Proposal

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LAL Location

- Orsay, 45 mn from Paris downtown by common transportation
 - 25 km SW of Paris
- Well connected to the world!
 - Direct train (RER) line from both Roissy airport (1h30) and Orly (45 mn)
- Located in University Paris Sud, one of the largest university in Paris
 - Particularly known for physics and mathematics (several Field Medals)
 - Part of the University Paris Saclay project (“French MIT”)



LAL Facts

- One of the oldest and largest IN2P3 labs: strong links with CERN since the origin...
 - HEP (in particular ATLAS and LHCb), Cosmology, Accelerators
 - 132 scientists, 167 engineers/technicians
 - Computing Division: 30 people (1/3 operation, 2/3 SW development)
- Long-standing involvement in distributed computing
 - GRIF grid site since 2004 : 5 labs operating a unique distributed grid site
 - Cloud since 2010: leader of the StratusLab project, now operating an OpenStack cloud in the context of University Paris Sud (2500 cores, 400 TB)
- Several people involved in HSF since its inception
- Strong links with astrophysics/cosmology and nuclear physics
 - Similar large lab for NP 500m from LAL (IPN)
 - Leading role in Spark R&D for LSST as a complement/alternative to Qserv
 - Active partnership with an astrophysics (spatial) lab 300m from LAL

LAL Facilities

- Used to host large workshops/conferences...
 - LHCb Collaboration Week (2014), various ATLAS workshops, Connecting the Dots (2017), VIRGO Collaboration Workshop...
 - 3d HSF Workshop (2016)
 - Used to workshops with remote participation (typically vidyo)
- But never hosted the WLCG workshop!
- Rooms
 - Main auditorium (250 seats) with a video installation and possible remote connections
 - Several rooms (~8) from 50 to 15 seats, 4 of them equipped with video
 - Possibility of a second, smaller, auditorium at IPN (100 seats, 500m)
- Network
 - Eduroam + local wifi portal for people without an Eduroam account (auto-registration)
- Local canteen used to host conferences in the 100-200 participant range