

CERN TH Computing

Peter Richardson

CERN TH & IPPP

Les Houches : 6th November

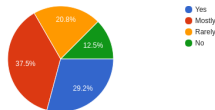
Introduction

- Computing is vital for all our work.
- Our time is valuable, both to us, and financially to CERN.
- We therefore want to do our best to ensure we have the computing we need to work efficiently and effectively.

Current Situation

- Last year we surveyed the current situation.
- About $\frac{2}{3}$ were reasonably happy.
- Remaining third $\frac{1}{3}$ weren't.
- We are working to improve this.
- The issues we have are in three categories:
 - difficult/impossible to solve (e.g. Mathematica licenses);
 - can be solved at the department level (e.g. buying laptops for fellows);
 - can only be solved by us helping each other (e.g. documentation for specialised needs).

Are the computing resources available adequate for your work?
24 responses



Improvements

- We have tried to address those issues we can.
- New fellows will now get a decent laptop or desktop (depending on preference).
- Access to GPUs, large shared memory machines and better parallel computing (non-lattice).
- Some things like the number of Mathematica licenses are beyond our control.
- We have one person to run the group's computing.
- On some more specialised issues we are going to have to help each other.

Getting Help

- Support is the big remaining issue
- If you need support then either:
 - Ask Elena for local TH issues;
 - Submit a help desk ticket, central CERN issues;
 - Remember for some scientific things asking a colleague might be better;
 - There's some information on the TH wiki but we will all have to work to improve it and keep it up to date.
- There's an old Geordie expression *shy bairns get nowt*
- So if the above don't work come and see me and I'll try and get the issue sorted.
- We don't want any more of the computer horror stories I have from when I was a fellow or that the survey turned up.