

# Data

- 1 Million pp collisions, v4-05-Rev-03 (PDC07)
- 10000 of AliESDs.root files, each containing 100 events
- Compression level of AliESDs.root is 1

| N. Events | AliESDs.root (full)<br>GBytes |
|-----------|-------------------------------|
| 100,000   | 3.43                          |
| 200,000   | 6.85                          |
| 300,000   | 10.3                          |
| 400,000   | 13.7                          |
| 500,000   | 17.1                          |
| 600,000   | 20.6                          |
| 700,000   | 24.0                          |
| 800,000   | 27.5                          |
| 900,000   | 30.9                          |
| 1,000,000 | 33.6                          |

# test machine lxb281

- Xeon X5535, 2.66GHz
- Two quad-core processors => 8 cores
- x86\_64 => 64-bit
- 16 GB RAM
- 3ware 9650 controller, 4 hard disks (466 GB each)
- RAID 5

# test machine lxf51

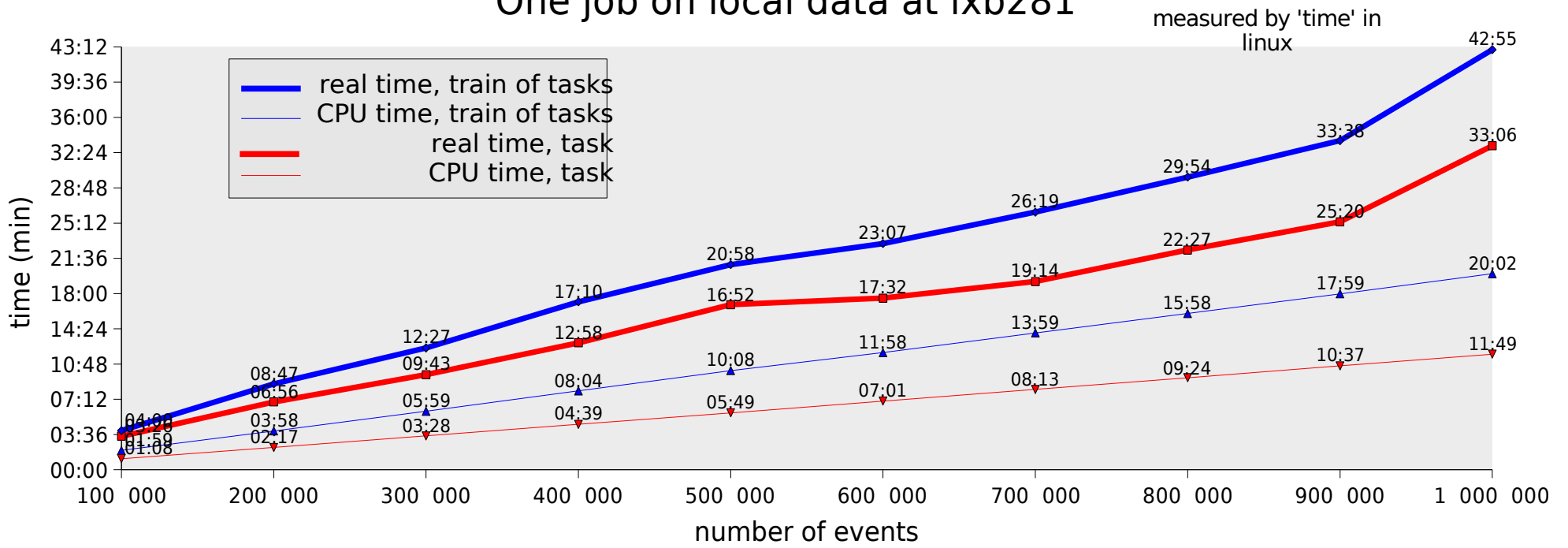
- Xeon, CPU 2.8 Ghz, 1 core (/proc/cpuinfo)
- RAM 3.37 GB
- i686 => 32-bit
- 2 3ware 9550 RAID controllers, 14 hard disks
- RAID 5

# ROOT

- . rootlogin 515-06
- . alilogin v4-05-Release

# Preliminary results

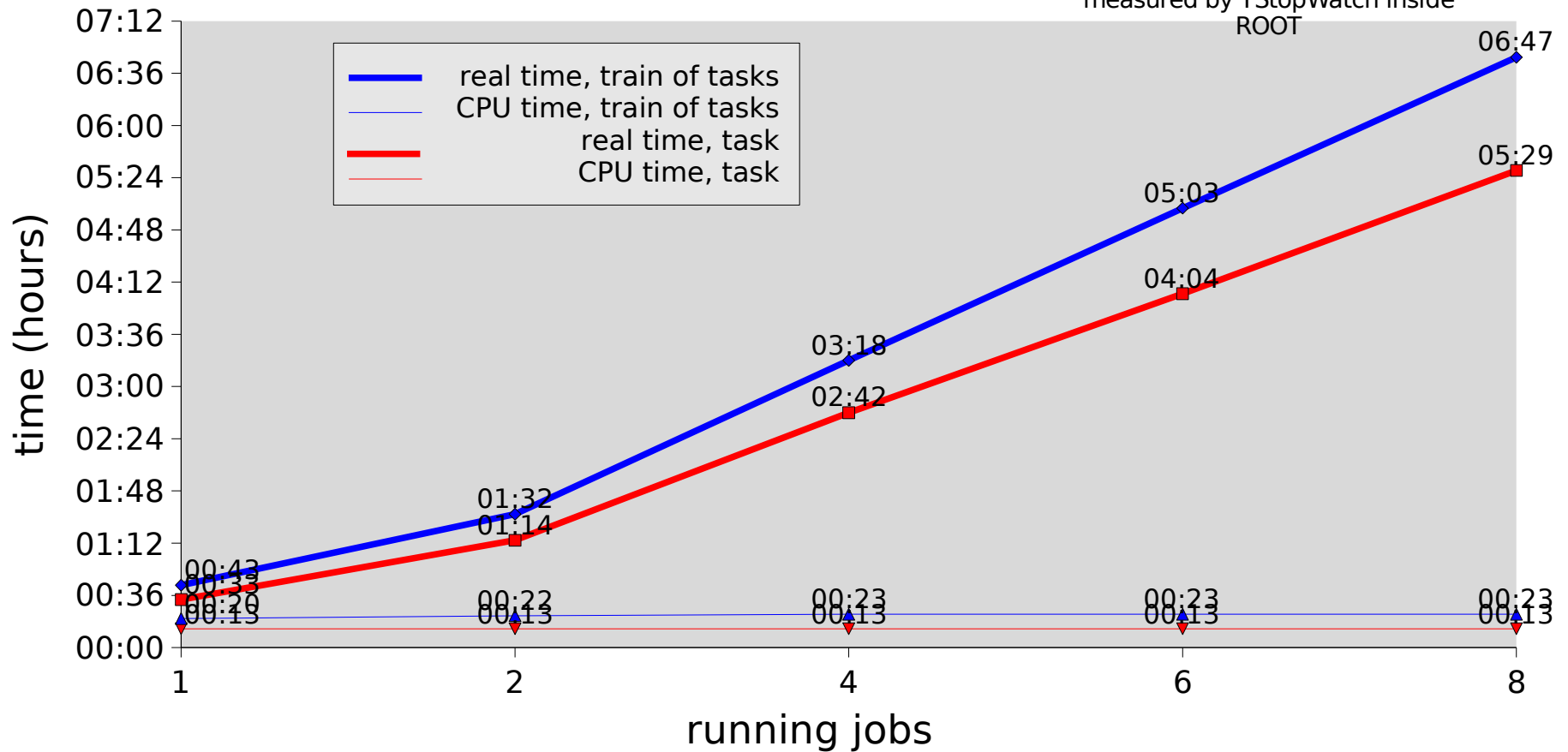
One job on local data at lxb281



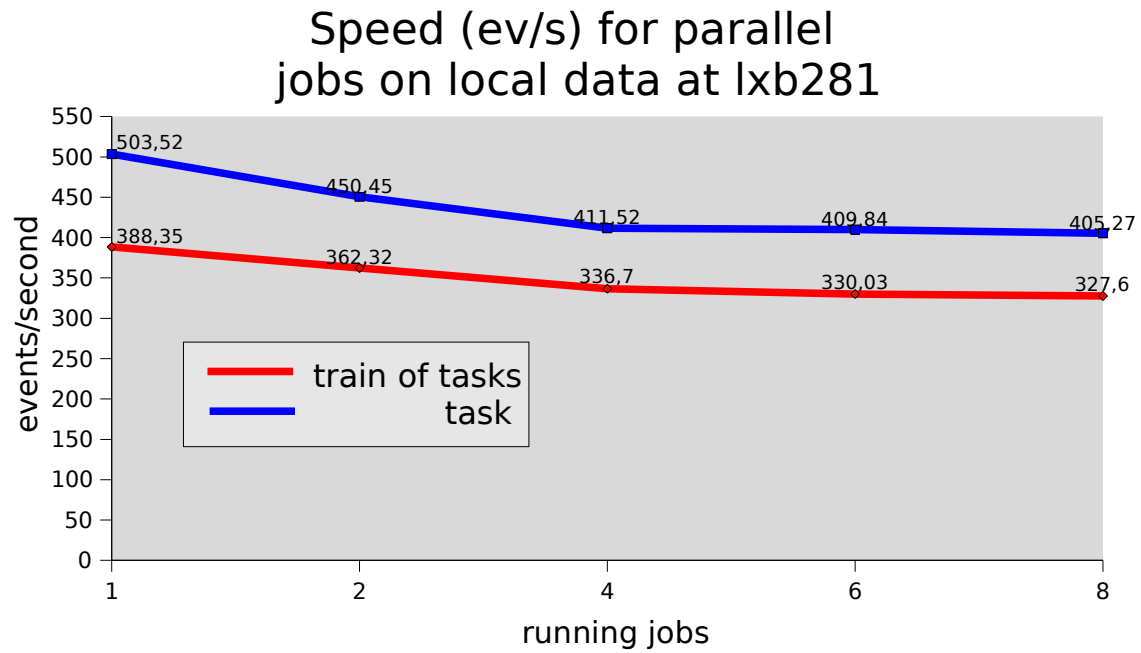
# Preliminary results

## Parallel jobs on local data at lxb281

measured by TStopWatch inside  
ROOT

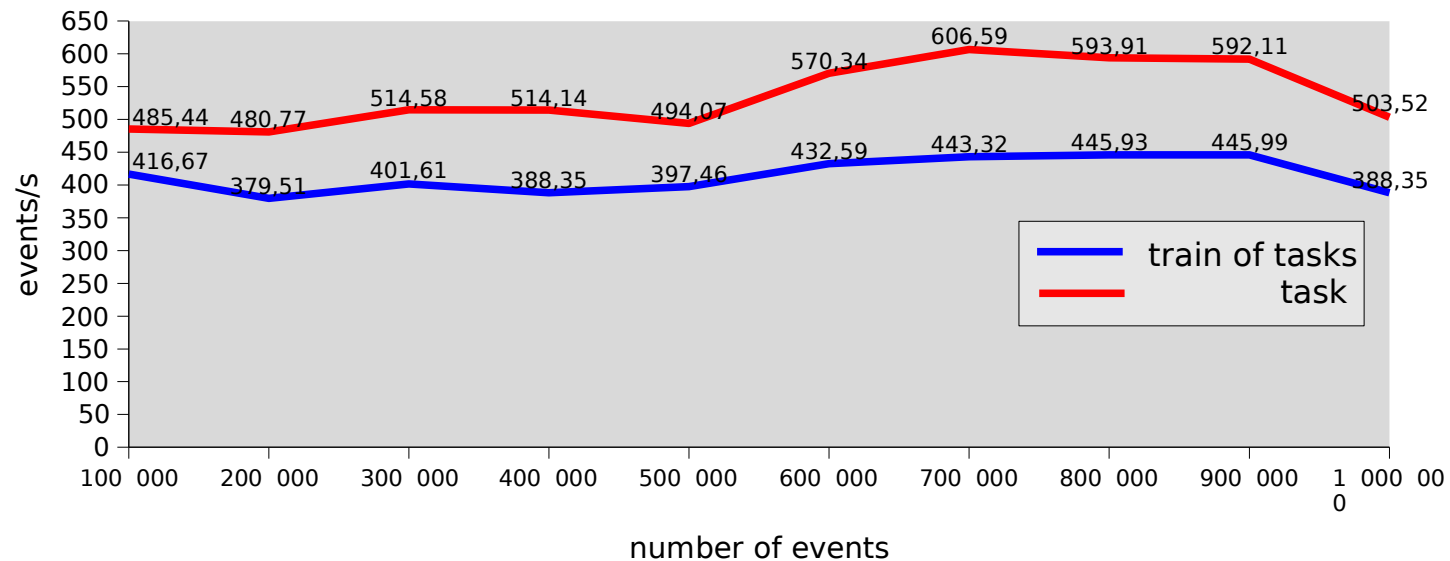


# Preliminary results



# Preliminary results

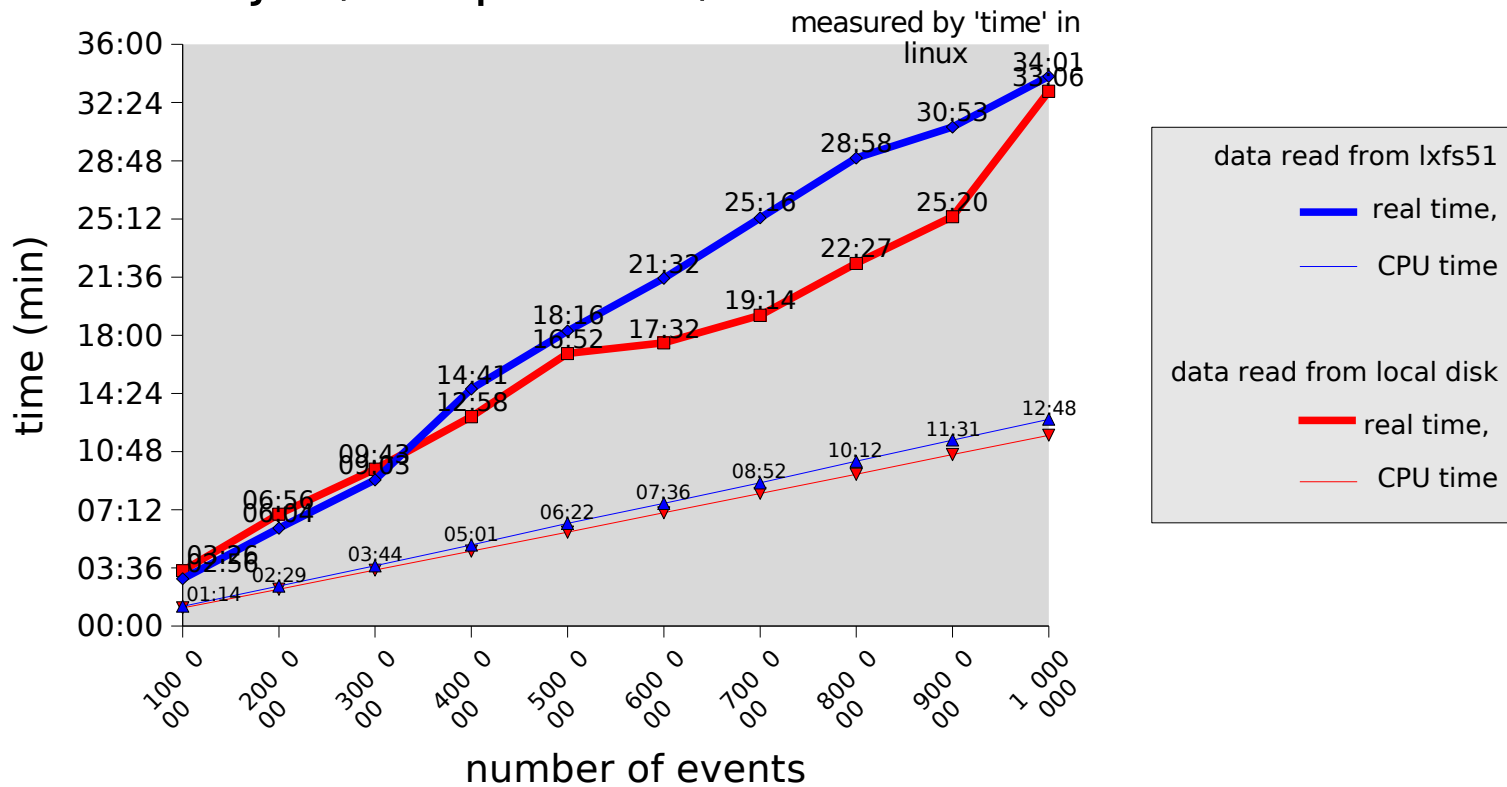
Speed for one job processing local data on lxb281



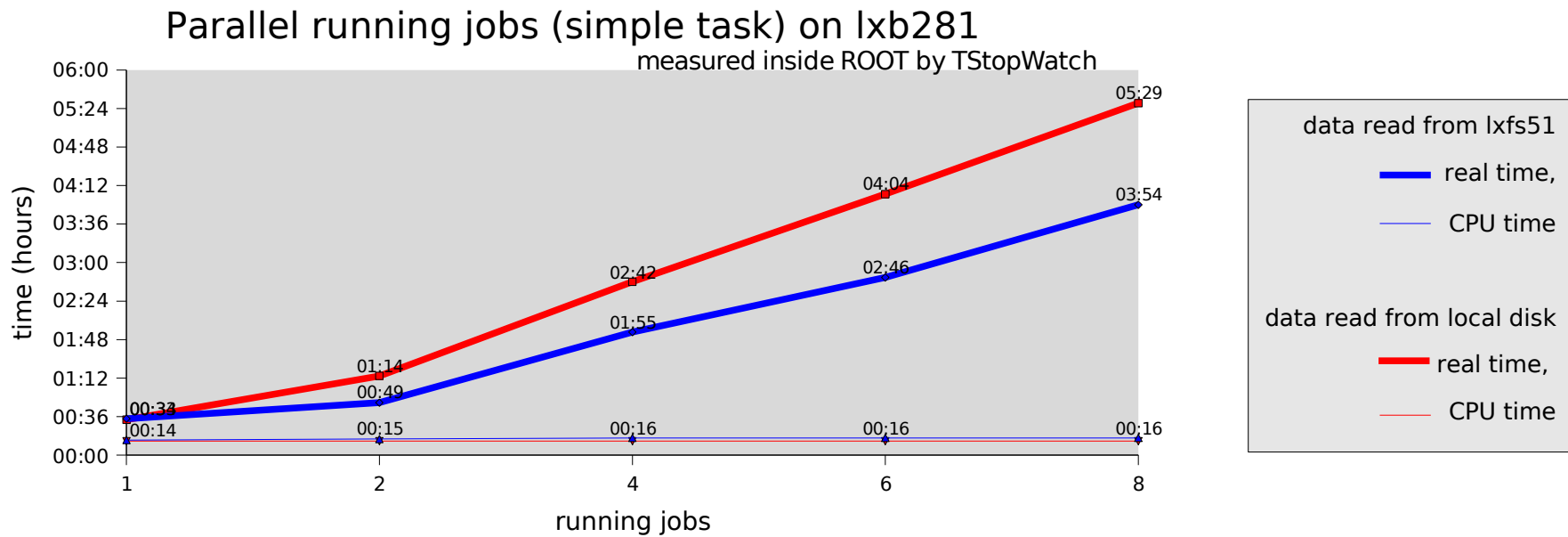


# Preliminary results

## One job, simple task, at lxb281

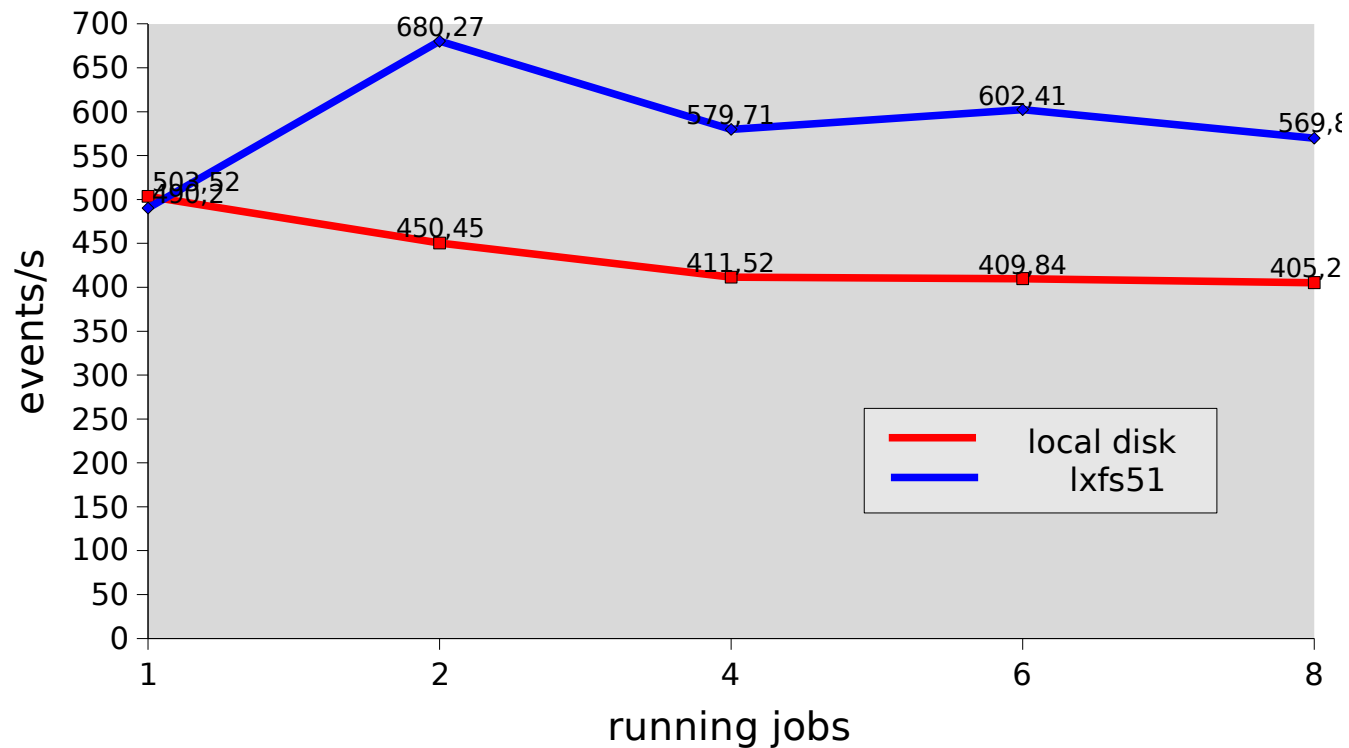


# Preliminary results



# Preliminary results

Speed for parallel jobs (simple task) at lxb281



# Preliminary results

Speed for one job (simple task) on lxb281

