

pp collisions

```
graph TD; A[pp collisions] -- "40 Tbit/s" --> B["O(250) x86 servers<br/>event building"]; B -- "1-2 Tbit/s" --> C["O(1000) x86 servers<br/>buffer on disk<br/>calibration and alignment<br/>HLT2"]; C -- "80 Gbit/s" --> D[storage];
```

40 Tbit/s

O(250)

x86 servers

event building

O(500)

GPUs

HLT1

1-2 Tbit/s

O(1000) x86 servers

buffer on disk
calibration and alignment

HLT2

80 Gbit/s

storage