



Pledge for Offsite Computing

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- **Individual User MC production on your spare cycles.**
- **Physics Analysis Centers**



Example: Small site

Definition of a small site:

- 10 Dual 1GHz worker nodes on private net
- 1 single 1GHz Gateway
- >20GB data disk on each worker node

Policy for general CDF use:

- you control access list (we provide one)
- you control CPU quota
- allow launch only if CPU is idle

I/O to FNAL:

$$450\text{kB}/15\text{sec} * 20\text{CPUs} = 600\text{kB}/\text{sec}$$

Installation manual exists since January 2003



Small site responsibilities

Hardware maintenance.

Maintain cdfsoft.

Maintain access list.

Respond to user error reports.

Less than 0.5FTE total.



Physics Analysis Centers

- **SAM-Grid allows job placement**

"where the data is"

- **Institute may host dataset for CDF**

- **Useage Policy same as for MC example**
- **Add \$15k for 5TB as NFS mounted sam station or distributed disk cache on worker nodes.**

Expect this to be available next summer

Start planning today if interested!



User perspective

CDF RunII CAF GUI

Analysis Farm: cdf001.ucsd.edu:8000

Process Type:

Initial Command:

Original Directory:

Ouput File Location:

Email? Email Address:

Ready

{2003-05-21 03:56:00} uosd analysis farm selected

CDF/DO GRID GUI

Dataset ID:

Initial Command:

Original Directory:

Ouput File Location:

Email? Email Address:

Ready



Conclusion

- We have the means to allow general CDF users to use your spare CPU cycles for MC production **TODAY!**
- A year from now we will be able to establish offsite physics analysis centers for all of CDF.
- **Is there a desire to actually deploy either one of these?**