ATLAS requirements

D. Liko / IT

ATLAS Requirements

- Production
  - Resource allocation by management
  - Ensure that production is not pushed from a site

- Detector & Physics groups production
  - Resource allocation by management
  - About 24 groups

- User Analysis
  - Fair share among users
  - Fast response from analysis queues

Caveat

- At this point we want to concentrate on what we can get for SC4
  - Even if not all aspect are fulfilled

- We are considering only middleware currently deployed on the PPS

- So … its an deployment issue

- About anything else we have no immediate plan

Other aspects

- Priorities by themselves are not the solution, we need shares on the sites

- Accounting is necessary
  - Many well known issues
  - Numbers seem not to be calibrated well

- We need at least to be able to separate production and user analysis so we can confidence to accounting by comparison with our production database

Simple Proposal

- Job characterized by quartet
  - DN, GROUP, ROLE, QUEUE

- Production has a guaranteed share

- Short jobs do not have to wait too long
  - Evidently limits within a local fair share apply

Four shares

	DN	GROUP	ROLE	QUEUE
PROD	any	any	prodman ager	any
SHORT	any	any	any	short
LONG	any	any	any	long
LOCAL	any	site specific	any	site specific

Conclusion

- A bird in the hand is worth two in the bush

- Ein Spatz in der Hand ist besser als die Taube auf dem Dach

- A simple scenario could improve our life with the grid significantly