

# Concluding Remarks (1)



- Interesting week (at least for me!). What follows is (incomplete) list of main points as perceived by me.
- ORGANIGRAM...has some 'holes': notably some group/body to deal with 'technical issues', and how does Graphics fit in. A 'technical body' will be set up, and I will sort out how Graphics fits in.

# Concluding remarks (2)



- Physics requests: Access to full G3 data, and use of ROOT(PAW)... see later.
- SESSION WITH LHCC: some similar comments about Organigram made by referees. Also date of LHCC Computing Review now probably MARCH 2000. Otherwise, they 'took note' of situation. I emphasised PLAN, and concerns about LHCC -v- CERN Management Reviews.

# Concluding Remarks (3)



- DETECTOR DESCRIPTION: There is an URGENT need to define Next Steps. RD, David M, Andrea, +.... PLEASE let me have your thoughts on this. Aim to formulate “actions” next week.
- dBase, Objectivity etc: ATLAS has been asked two questions by LCB:
  - 1) what should RD45 still do??
  - 2) what should CERN/LHC ‘risk-averse’ strategy be?

# Concluding Remarks (4)



- dBase... (contd.) Could RD/David gather opinions on these two questions, please?
  - One question from discussions: What are implications of “all disk/no tape”?
- Very interesting to hear about STAR experiences...

# Concluding Remarks (5)



- ATF session:
  - ATF has heard about work done in ATLAS and other experiments. (+Craig T's talk.)
  - Design process + prototyping being launched.
  - There WILL be a follow-up group/body after ATF.
- Overall Architecture warrants design. Will take some time.... Hence PASO.
- QCG: ... I missed..because LHCC session.

# Concluding Remarks (6)



- Repository/Releases etc.: some familiar problems! Freezing “TDR version” needs action from ‘physics groups’. I will communicate this!
- Tools (etc): Don’t forget to try out TOGETHER! (30-day licence)
- TileCal OO work: Encouraging... more of this please. (‘Real’ users etc. etc.)

# Concluding Remarks (7)



- Analysis Tools, ROOT(PAW) etc.:
  - There's no 'final product' available today...and may never be....
  - In interim, "plurality" of approach is fine. Software community does not 'forbid' use of any product...and couldn't even if it wanted to!
  - This includes ROOT(PAW)..... But.....

# Concluding Remarks (8)



- ...we believe we can provide the BEST overall Architecture for ATLAS (BEST= for users and maintainers).
- So, some concern that ROOT might take over Architecture “by stealth”.
- Therefore suggest: write ntuples, then use PAW(ROOT).
- “plurality” includes support for latest LHC++ plan.



# Concluding remarks (9)



- Reconstruction session: General move towards OO/C++ . I heard requests for more in PASO.... That's a good problem to have! Request for HITS... need to assess next week (CSG).
- Graphics: wide range of products... I missed parts of session (and all of MONARC)... but here, as elsewhere, we need....

# Concluding Remarks (10)



- ...the PLAN: recall my 'spiel' in Opening Remarks. PLAN needed for us, rest of ATLAS, review bodies etc. etc.
- ... Finally, our thanks to Helge and Maya for organising 'Juergen-fest'. An instance of the class `AtlasSoftwareParties`, which we should instantiate more often... e.g. `AtlasSoftwareXmasParty`, which inherits from....
- Thank you.