

Introduction and news

☰ Welcome to our third meeting on CAT physics

☰ New members since May:

**G. Gorfine (PDAS, ATT), P. Iengo (Fellow, ATM),
P. Pospichal (Fellow, ATI), C. Schmitt (Fellow, ATC),
A. Wildauer (Fellow, ATC), P. Zema (Fellow, ATD)**

☰ An initial discussion today on the CERN analysis facility focussed on technical issues of relevance for analysis of LHC data (thanks to R. Brun for coming!)

Welcome also to M. Doser (PH management), B. Panzer (IT/LCG) and F. Rademakers (PH/SFT)

Next meetings proposed for mornings of Wednesday 19/10 (ten days before next trigger/physics week) and of Monday 18/12 (seven days before Christmas)



Feedback on CAT queues and on pool disk

☰ Jobs run on CAT queues now visible in overall ATLAS production job statistics (but situation is still that a few users only from CAT are the main contributors)

--> too early to suggest adjustments

☰ Disk pool (atldata and others) is already over-committed

--> need to manage this centrally for the AOD files downloaded from the Grid

☰ Disk pool appears to be much too slow for analysis

--> Thanks to Amir, Jamie and Richard for their feedback! This will be pursued further with Bernd directly very soon



CSC contributions and notes

☰ Over the summer, list of CSC notes has converged and many editors have been agreed

☰ still some cleaning up to do and editors to find

☰ editors from CAT

R. Hawkings: note T3 (b-jets in top events)

G. Gorfine: note on misalignment impact on b-tagging

C. Padilla: notes on trigger performance for B-physics and muons (??)

T. Carli: note J2 on G4 validation for hadrons in test beam

T. Koffas: note EG-4 on photon conversions

A.-C. Le Bihan: note EG-5 on electron brem and E/p

I. Grabowska: note EG-10 on HLT track reconstruction for egamma

T. Fonseca and V. Perez Reale: note EG-11 on overall trigger strategy for egamma



CSC contributions and notes

- ☐ Many CAT editors for combined performance (not to mention the CTB publications!) but only very few on physics

- ☐ However what really counts is the contributions in terms of detailed work done on these topics and commitments have been made from the various CERN physics working groups to CSC notes:
 - ☐ SUSY lepton and multi-lepton + E_T^{miss} studies
 - ☐ SUSY fake E_T^{miss} studies
 - ☐ Top cross-section and b-jet calibration studies
 - ☐ W/Z cross-section measurements and initial W/Z+jet measurements
 - ☐ Higgs to $\gamma\gamma$ reconstruction and γ/π^0 separation

