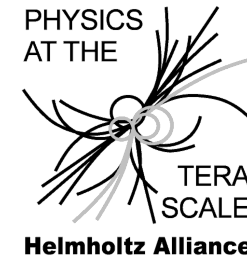


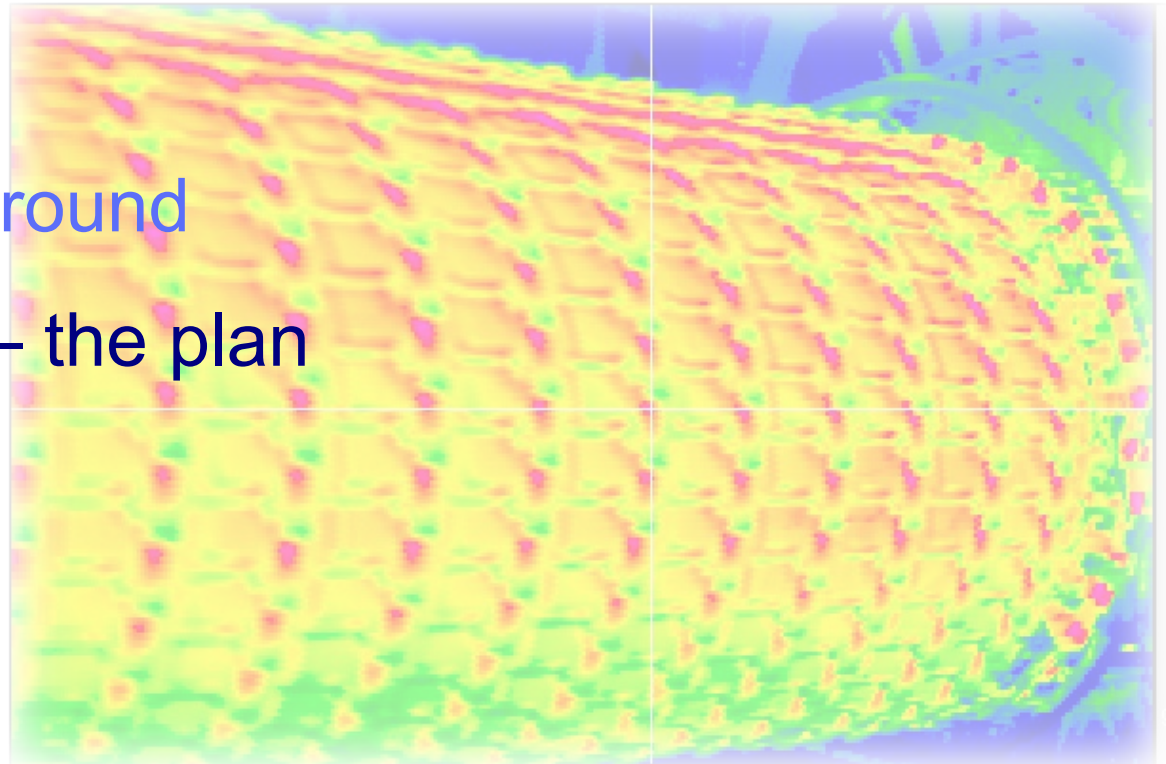
# SCT service work: Muons in the SCT ntuple



Ingo Bloch  
Laura Rehnisch  
Steve McMahon



- SCT ntuple – some background
- Muons in the SCT ntuple – the plan



# SCT Service work - Laura

Quote from Laura's email:

“Ich habe mich mit Ingo Bloch und Steve McMahon auf folgende Aufgabe im SCT geeinigt:

***Inclusion of muon-related information into the SCT ntuple, study of momentum dependence and radiation effects in MIP signals.***”



# SCT Service work – Some Details

## Some background info:

SCT ntuple is produced at T0 right after data taking. Only express stream usable as in all other streams the relevant RAW data is dropped.

Elias Coniavitis is main SCT ntuple guru. Had fun chatting with him about background and details of procedures, technicalities and people involved.

SCT ntuple is produced inside track D3PD maker. Met Remi who is taking care of this main routine. He is willing to help with any issue that might arise.

Laura's code will be tested in some detail before we release it with the help of Elias to run at the T0.

# SCT Service work – Some Details

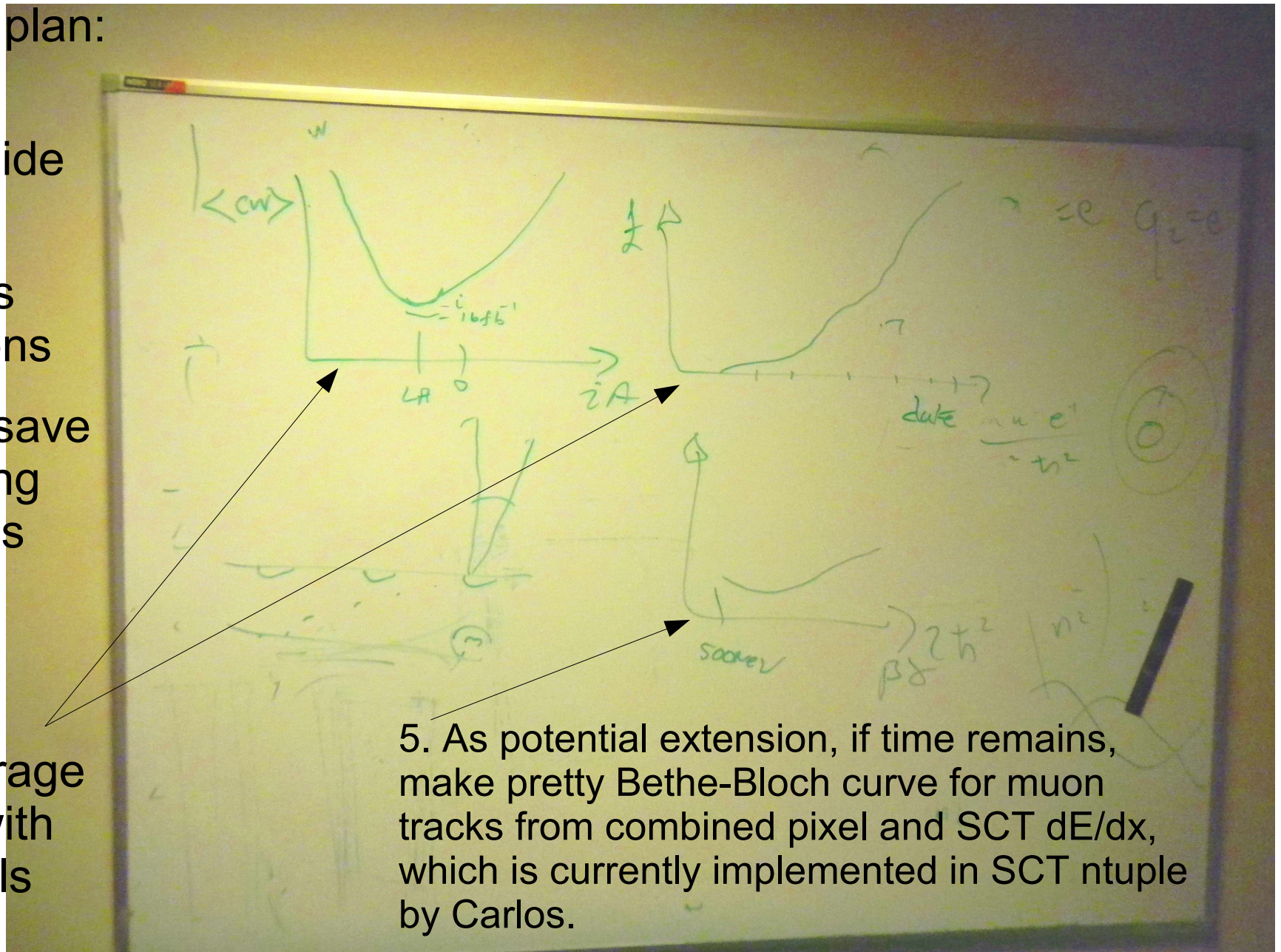
And this is the plan:

1. Read muon information inside SCT job.

2. Match tracks with good muons

3. Initially just save a flag classifying a given track as a good muon

4. Use muon tracks to study change of average cluster width with increased levels of irradiation.



# BACKUP SLIDES

# Thought there was a Backup Slide?

naaaaaaaa