

# $\Lambda 1520$ is still alive ?

## Status Report

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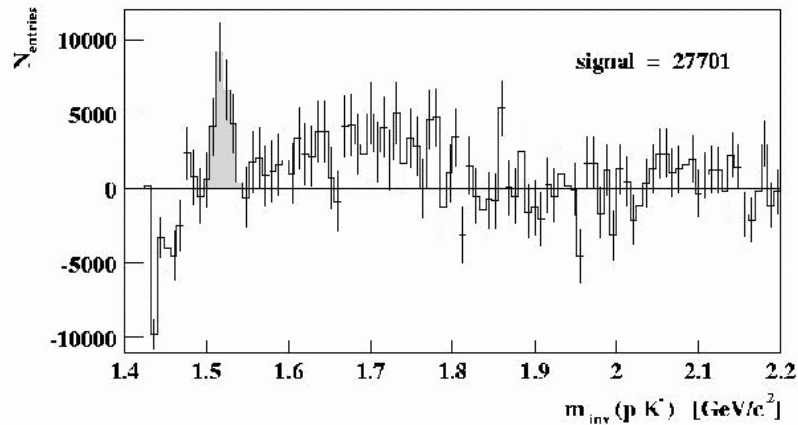
Busan, Republic of KOREA

# Outline

- Old Status : where were we ?
- 96 Signal Study : Is the C. Markert's signal a fluctuation ?
- 00 Signal Study : how about the signal in 3M data ?
- Outlook : what can be done more ?

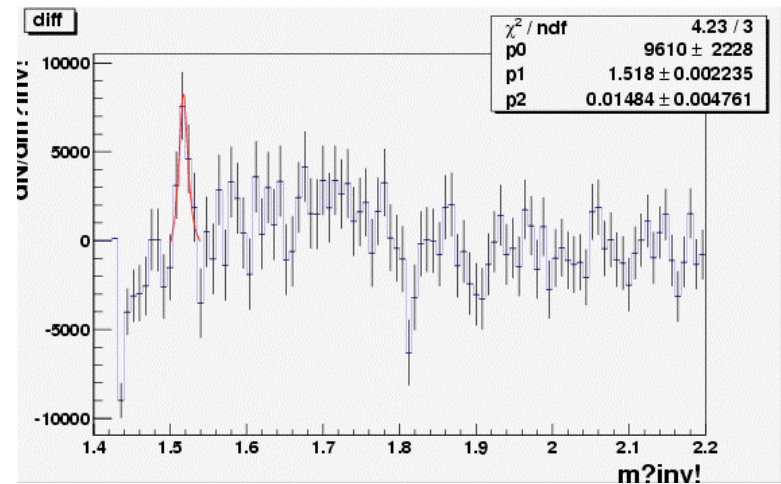


# Where were we ?

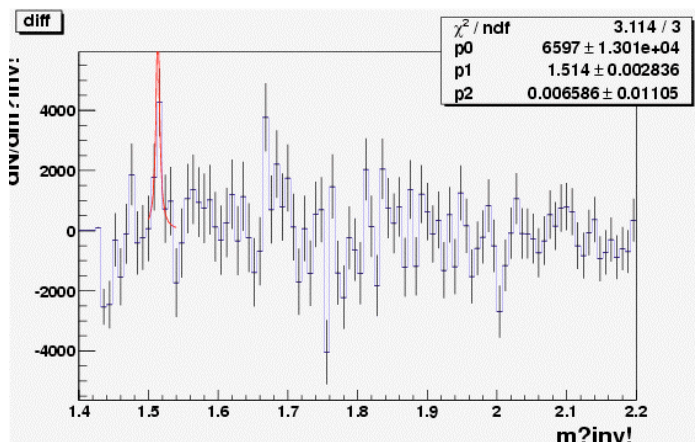
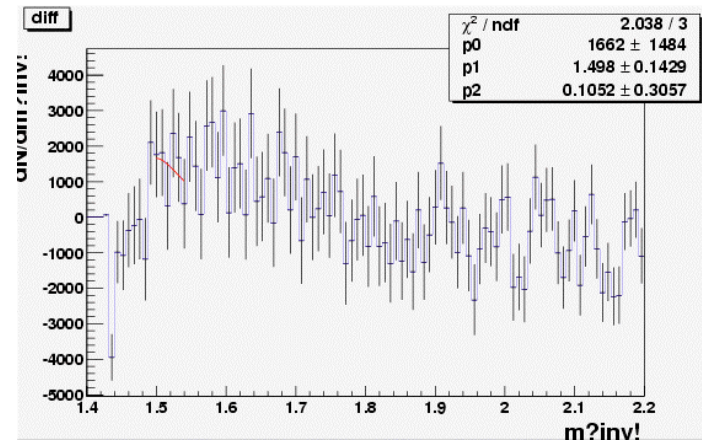
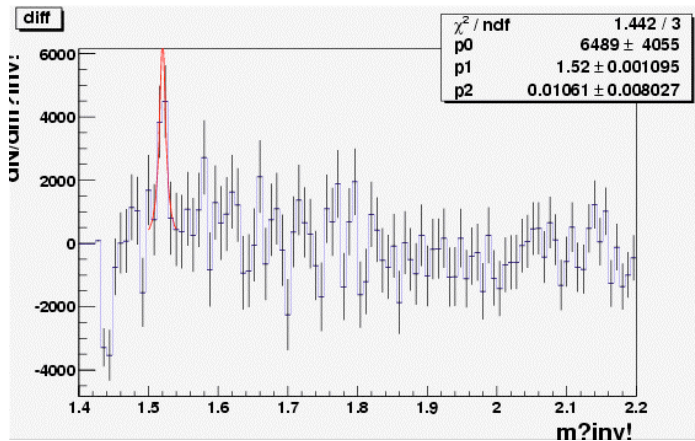


Ch. Markert's L1520  
from 96 Data

It could be reproduced !



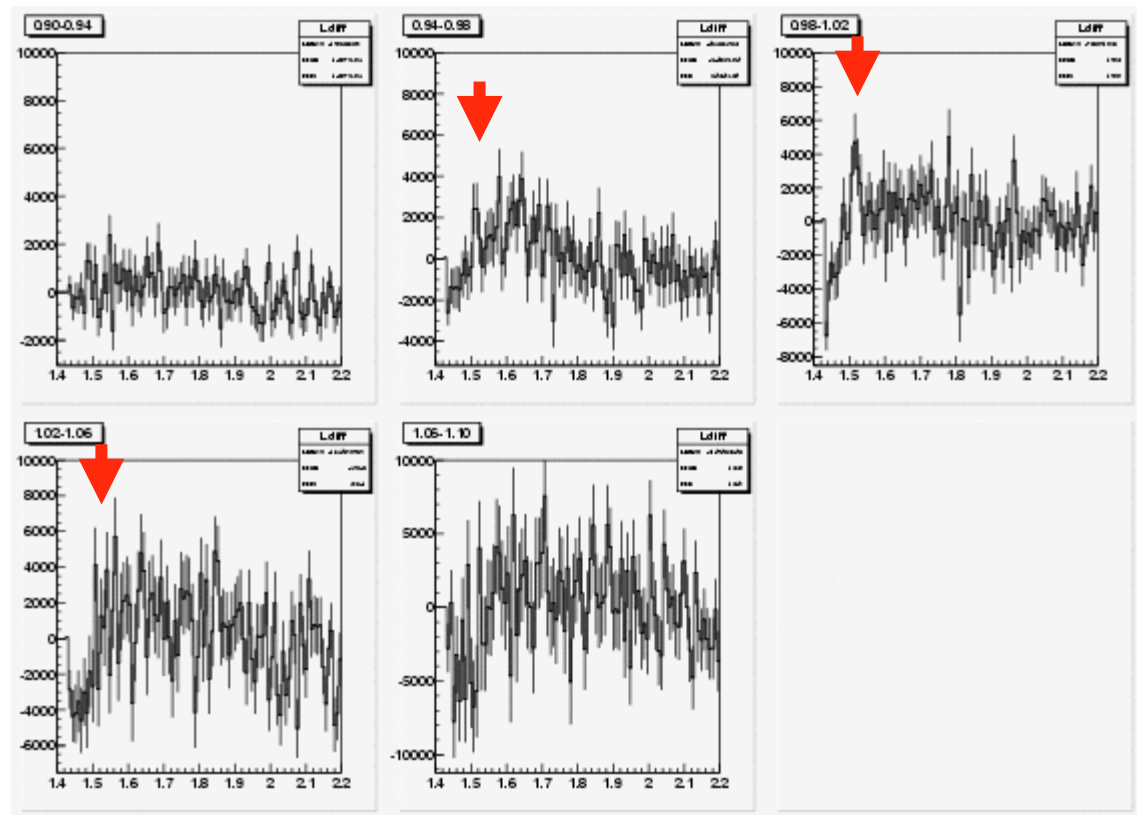
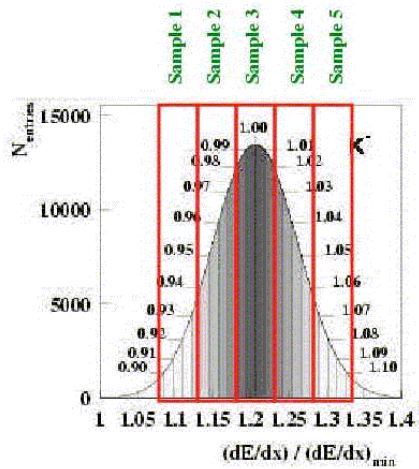
# Where were we ?



It looks a fluctuation in subsets of 3M data !

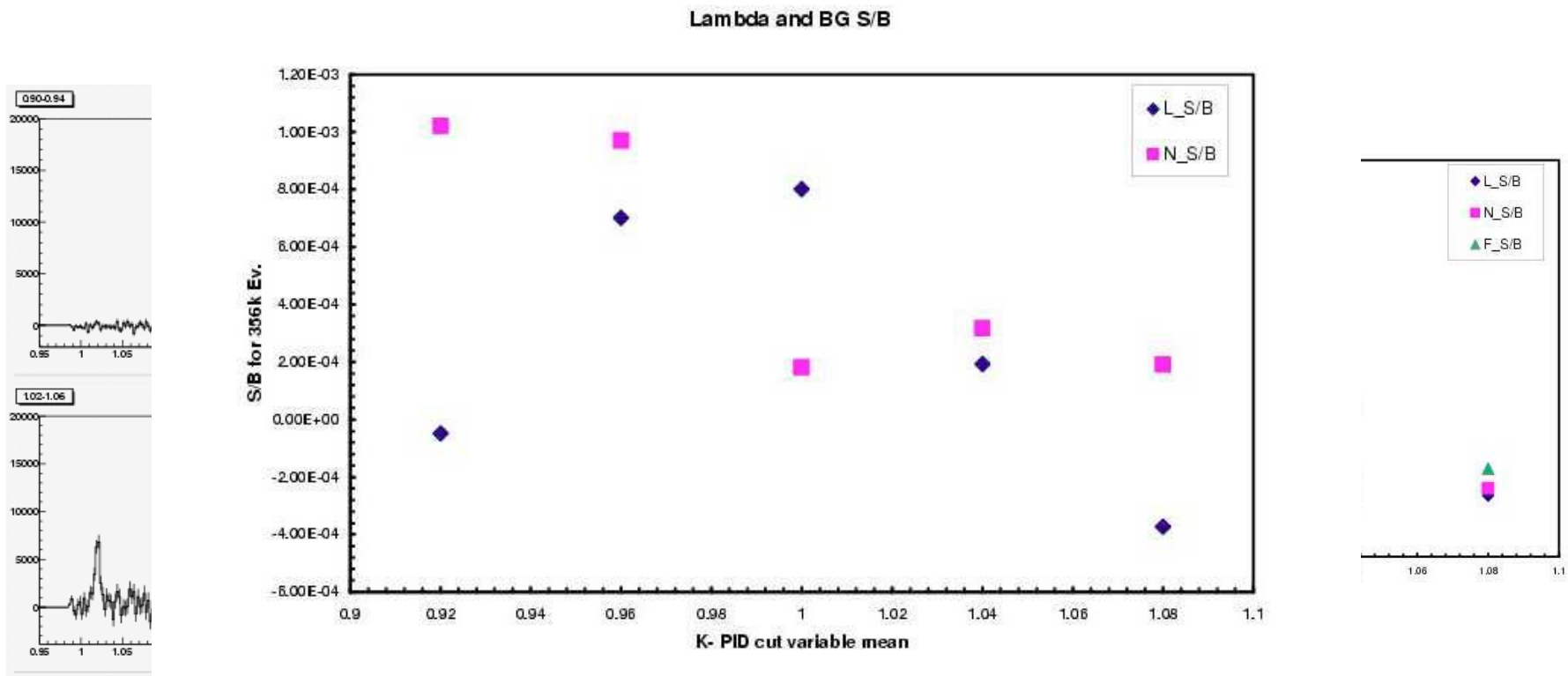
A fluctuation cannot be systematic !

# Is the 96 Signal a Fluctuation ?



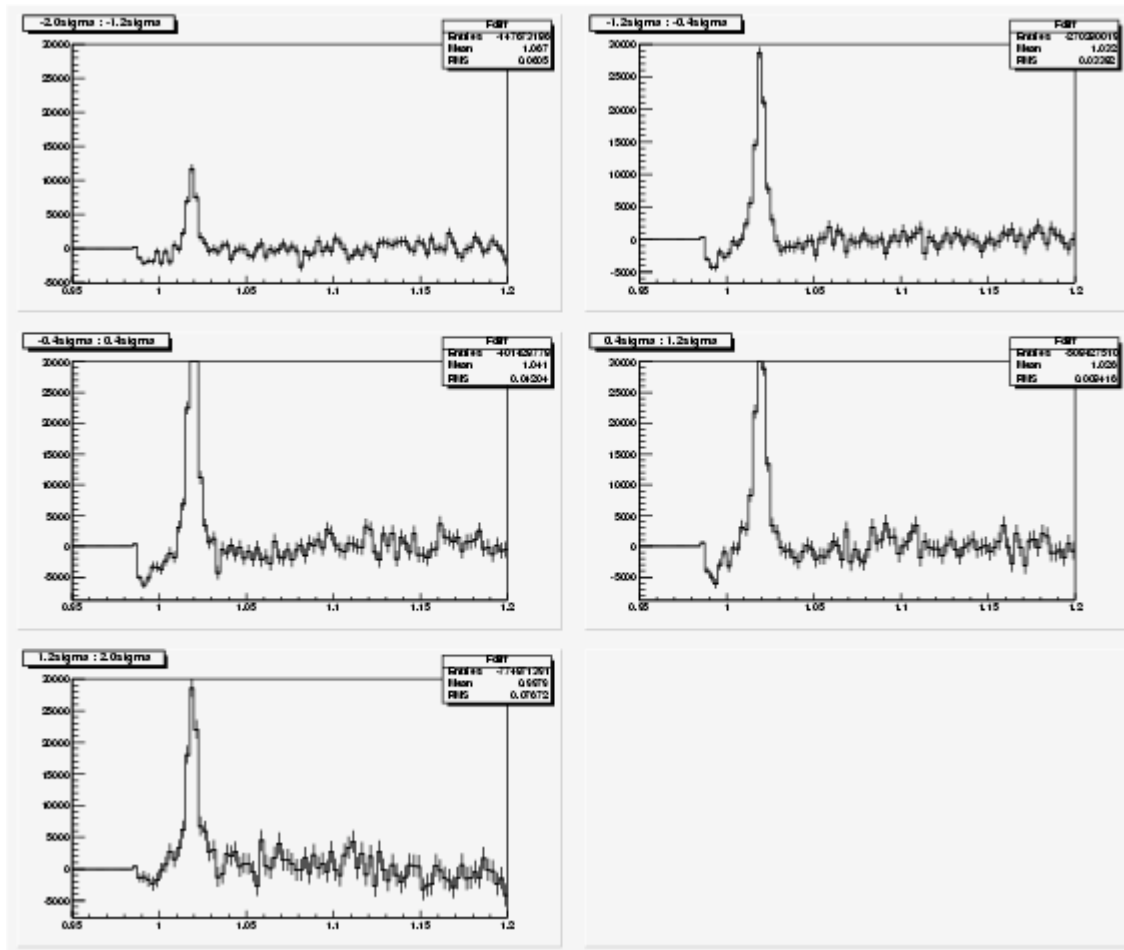
Signal changes systematically ?

# Is the 96 Signal a Fluctuation ?



The signal seems to change systematically !

# How about the Signal in 3M data ?

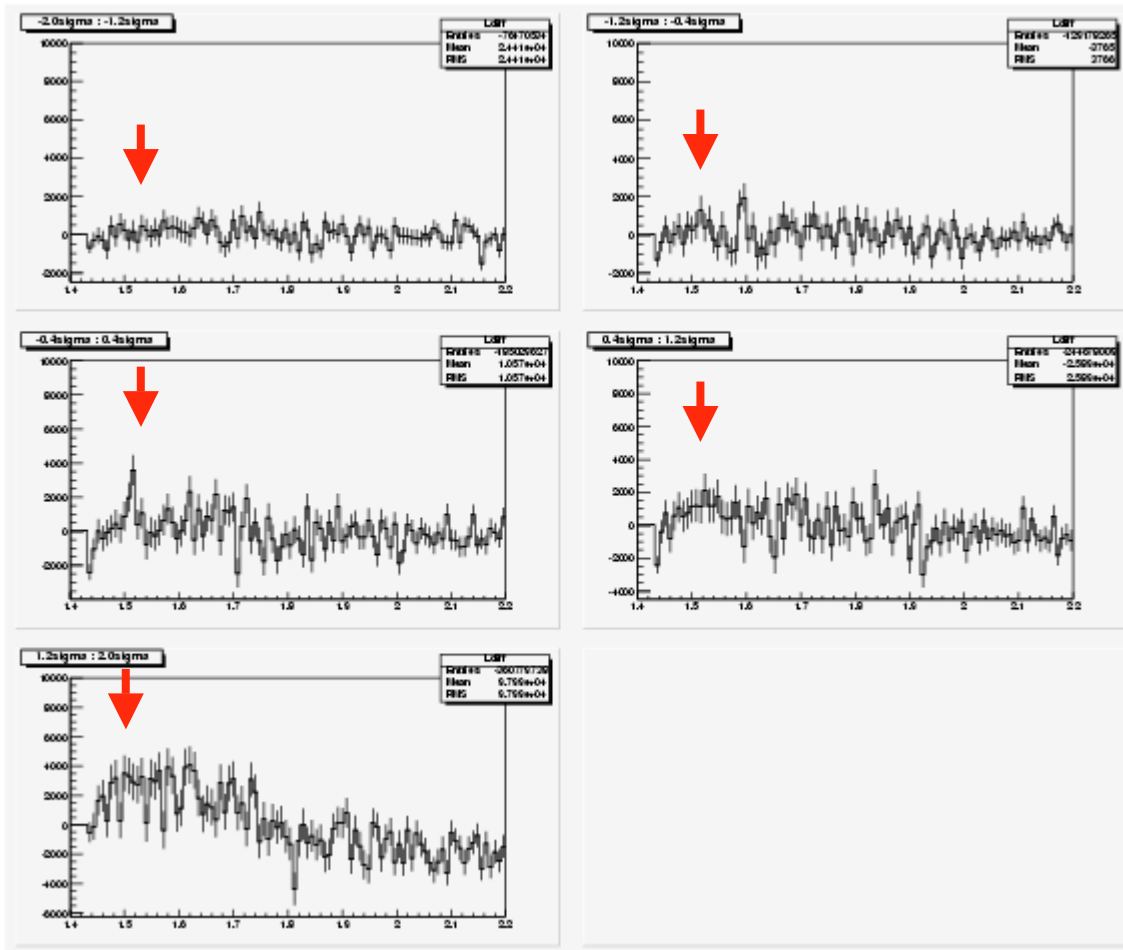


In all 3M data

Signal-to-Background Ratio

S-to-B only for L & N

# How about the Signal in 3M data ?



In the three sub-samples (415k, 513k, 392k)

S-to-B

S-to-B only for L & N





# What can be done more ?

- More with 3M central PbPb@158A GeV ?
- Signal search in small sizes (C + C, Si + Si, peripheral) with dEdx-PID