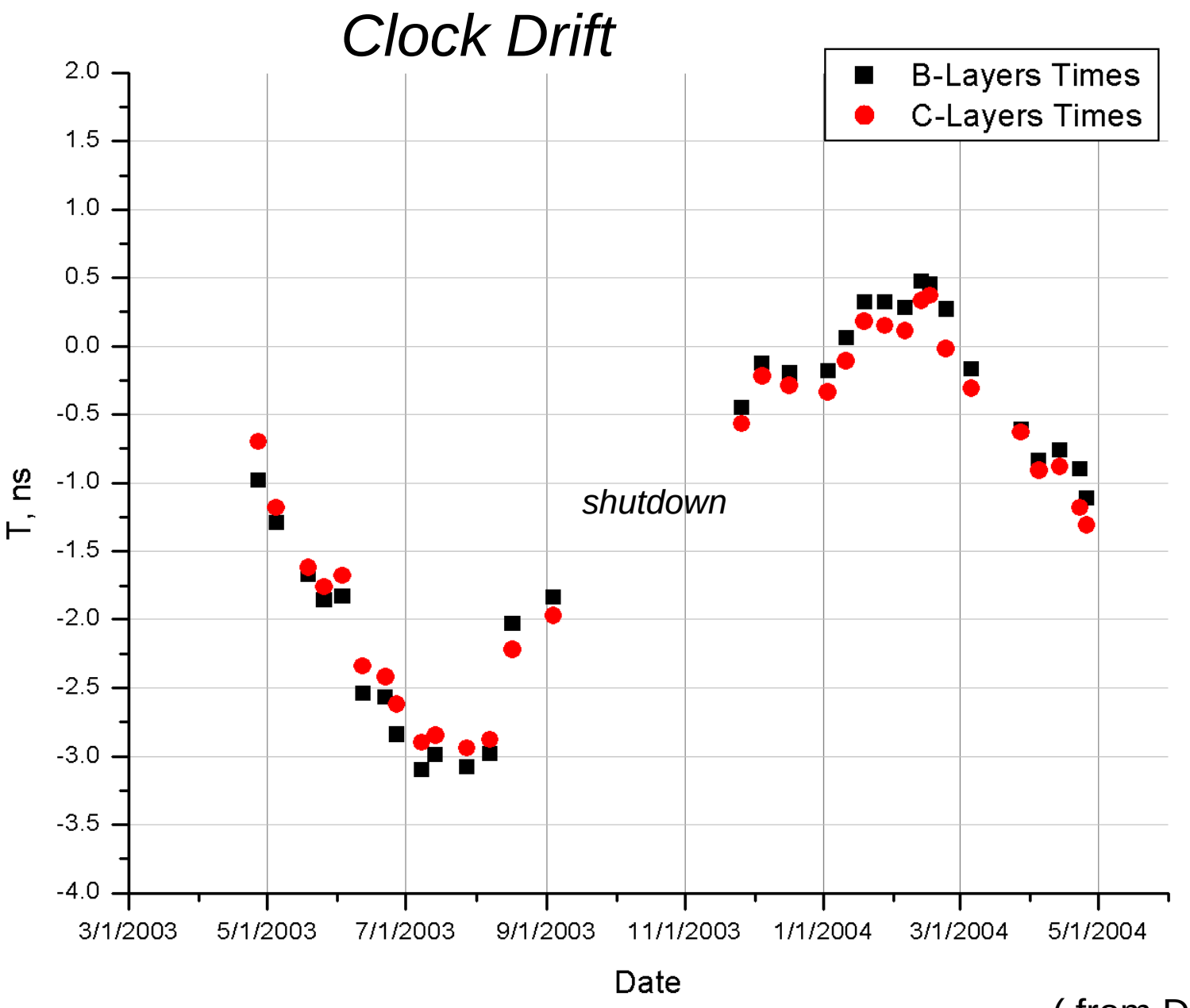
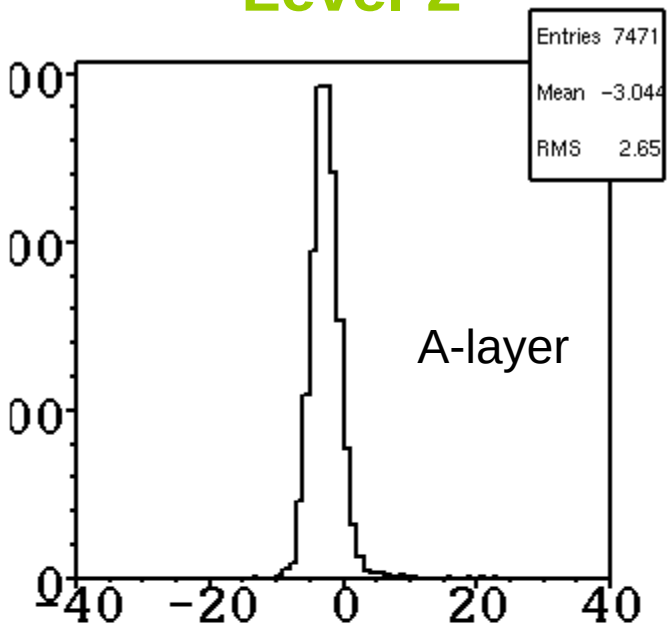
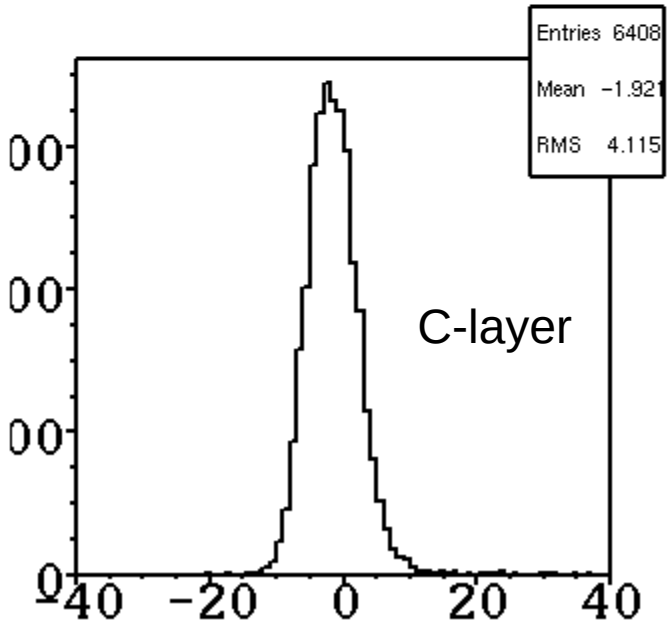


(from Dmitri D.)

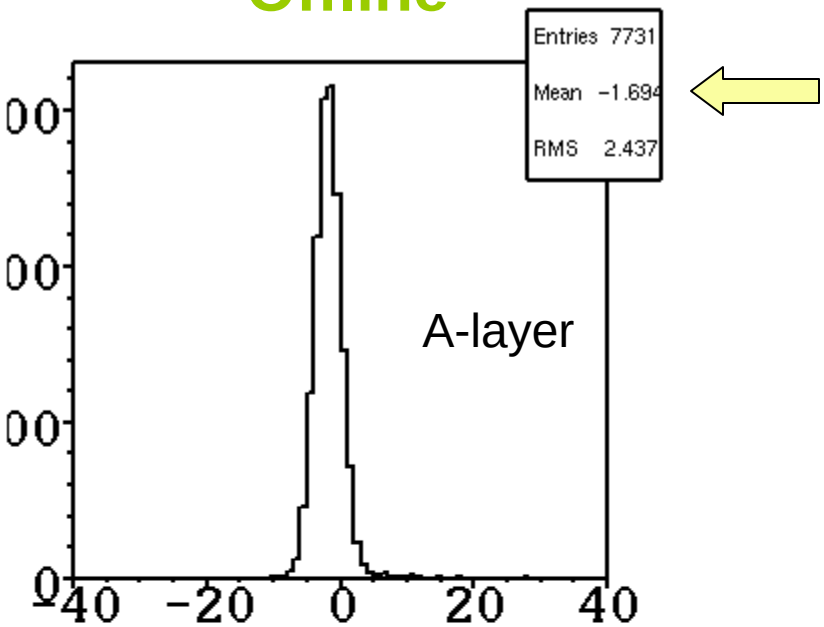
Central Muons

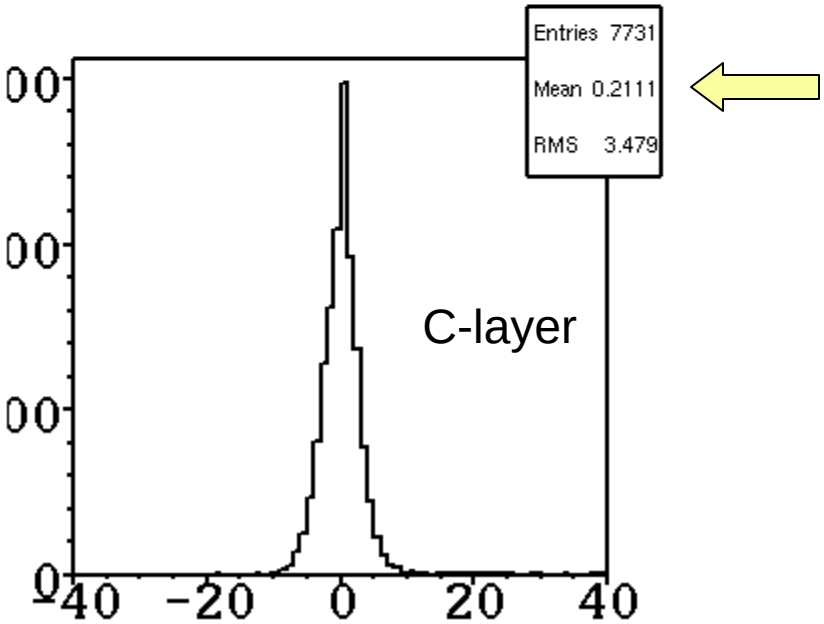
Level-2





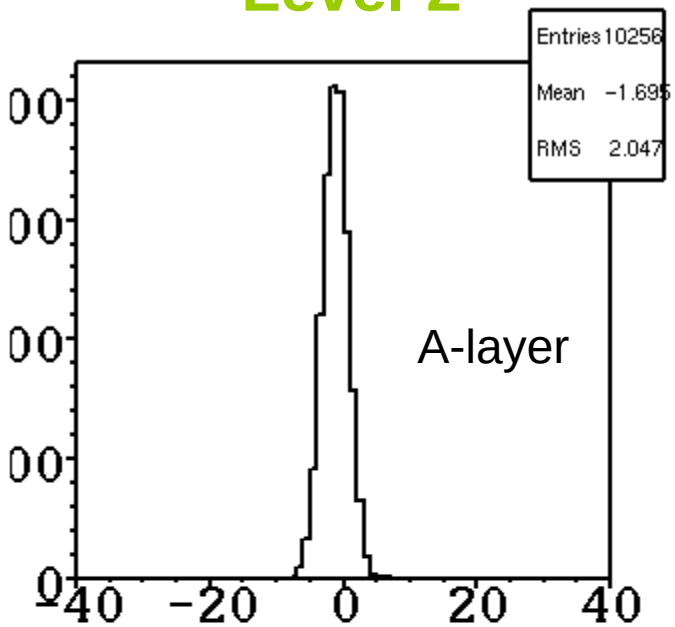
Offline

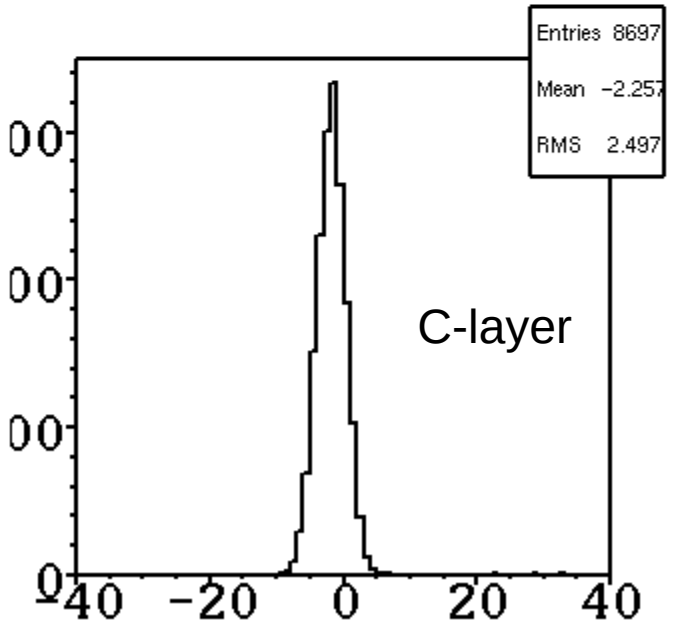




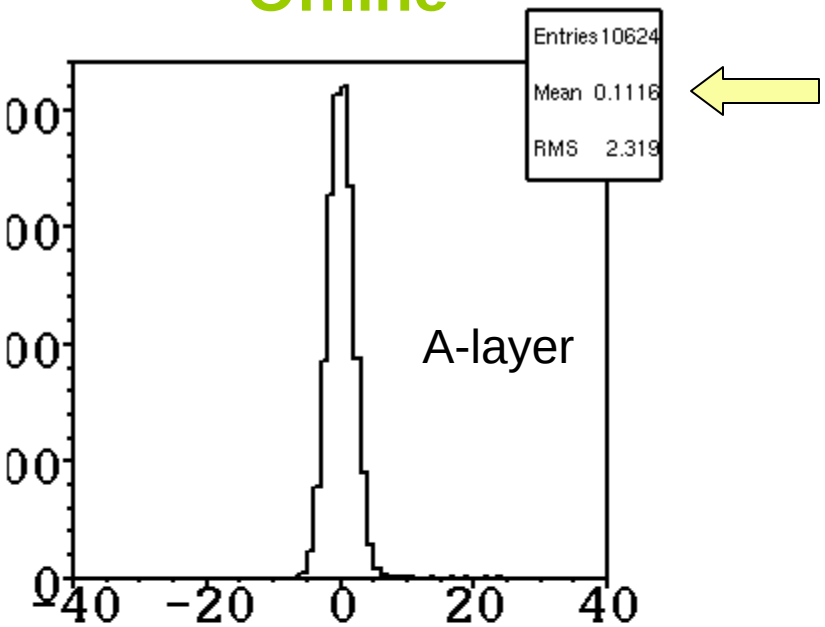
Forward Muons

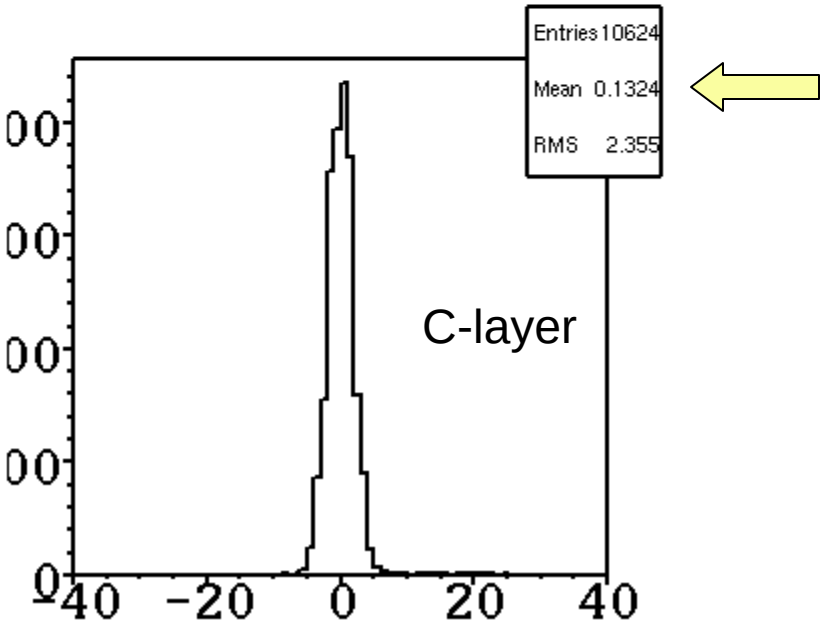
Level-2





Offline





1st Issue: central-A calib does not match central&forward-BC

most likely reason;

last central A-calib ~one year before others

Robert Harrington;

--- update central-A calib

--- compare online.vs.offline times

(...thanks...)

General goal;

--- keep cen&fwd ABC centroids matching

--- check drifts every 6 months (new calib)

2nd Issue: L2 times offset from online times by ~2ns

Reason still unknown;

-- L2 and L3 times have common origin

-- but are shipped on different paths by different DSP routines (checking)

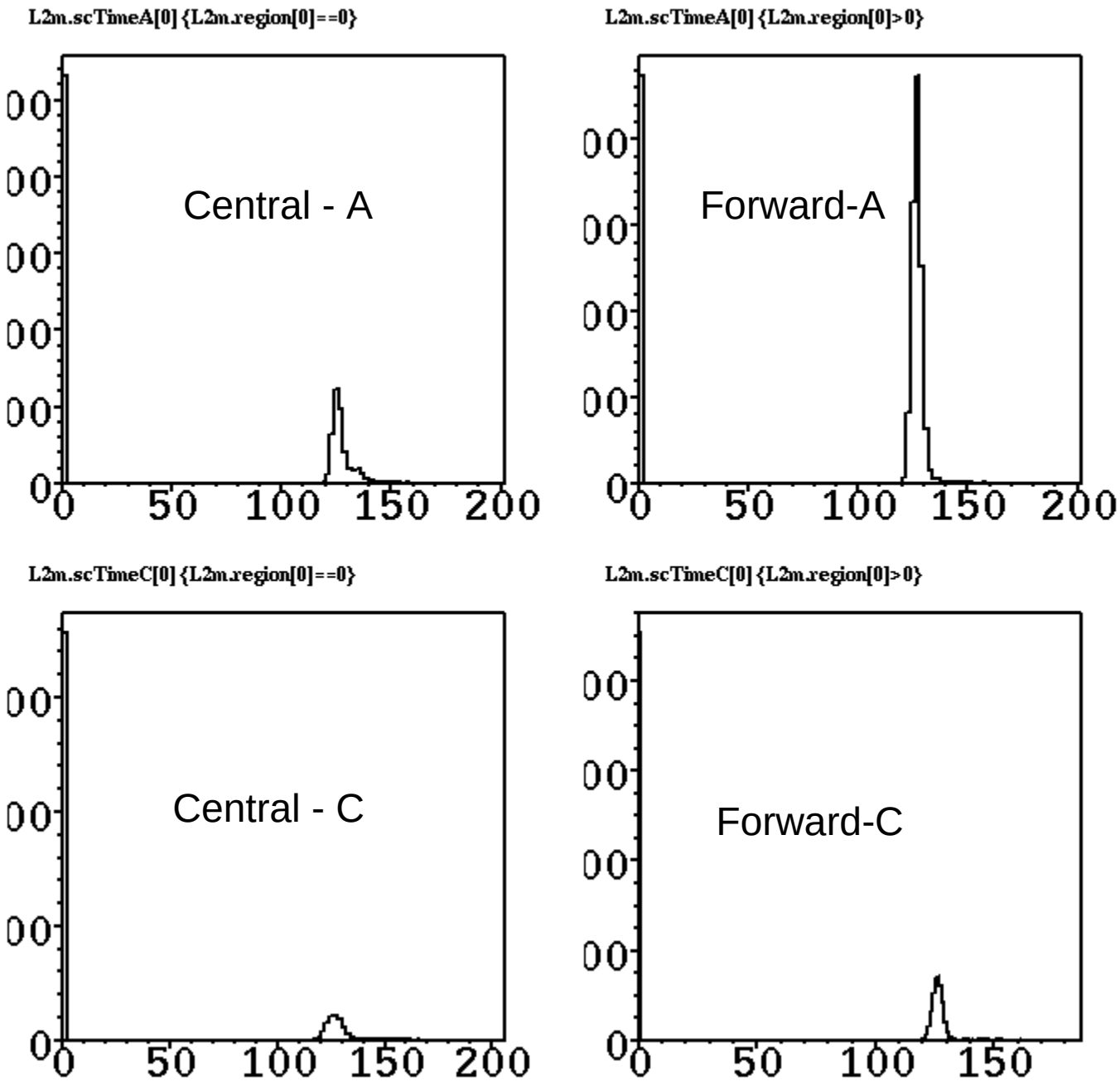
L2 raw times trace-back;

-- Front Ends send bit field in ns/8

-- SLICs; >>3 (to ns) and add 128 (see fig.) send one Byte (A,B,C) to Global

-- Global; subtract 128. Select best(A,B,C) Apply cut | T |

Level-2 Raw Times

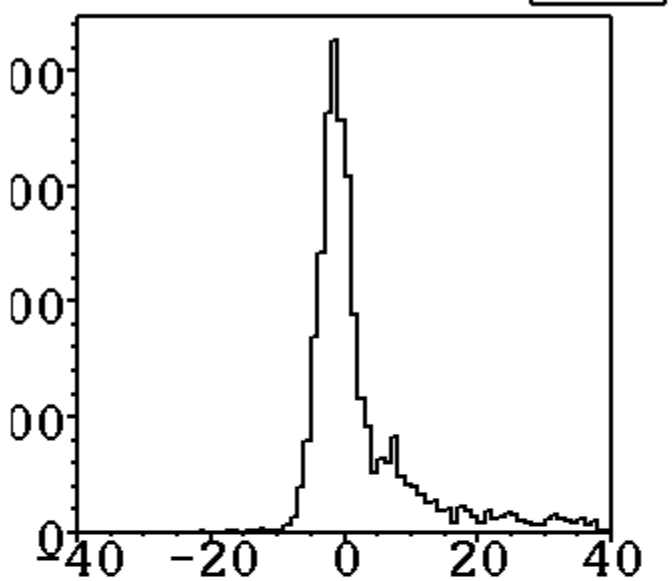


Trigger Results

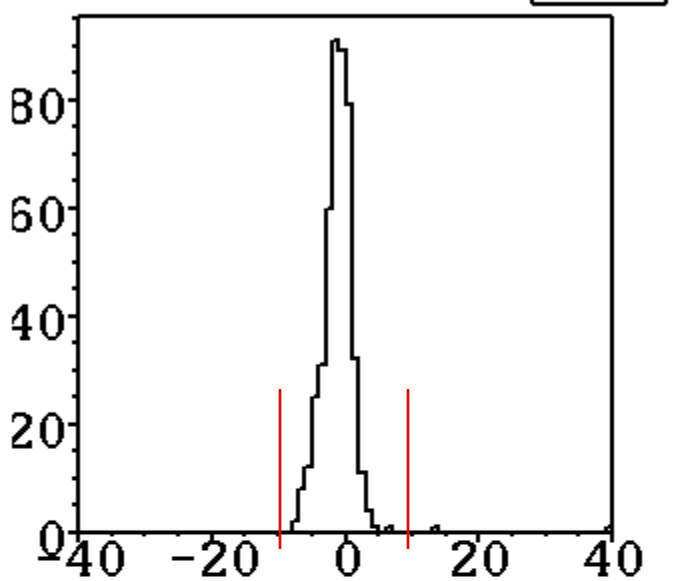
T-best

A.Maciel (NIU) TB meeting 05-27-04

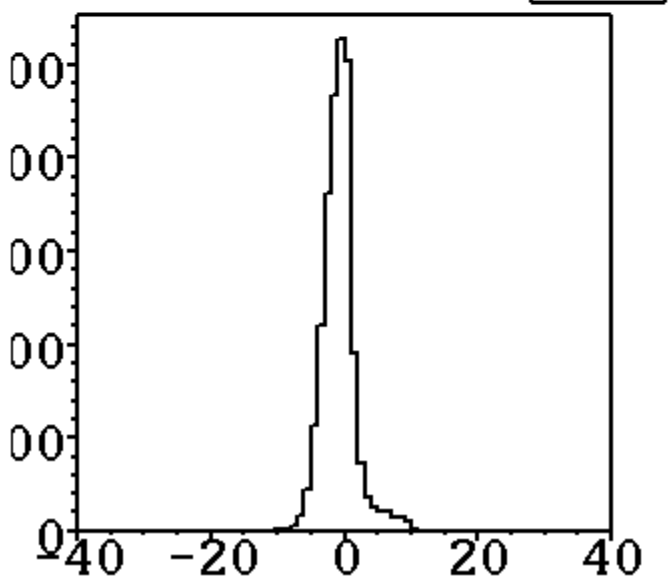
Run 191322 -- unbiased



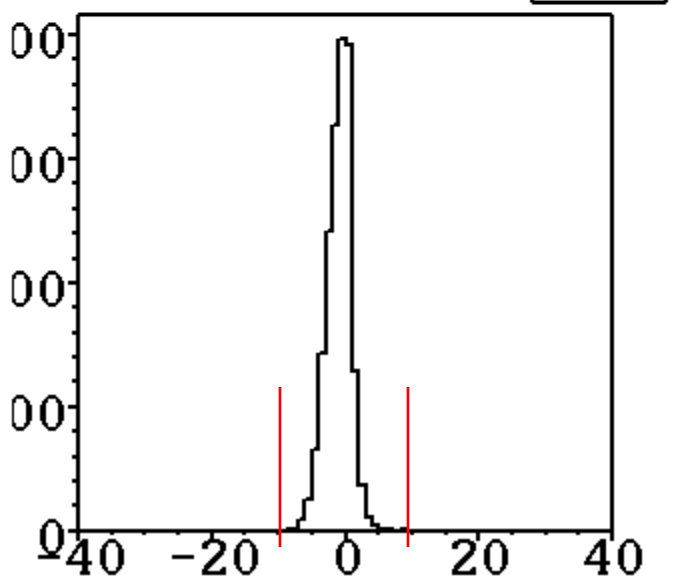
offline quality match



Run 192720 -- triggered



offline quality match



Two concerns;

--- loosing rejection on the upper edge

--- “living dangerously” on the lower edge
(because of possible clock drifts)

One proposal (V14);

--- filter parameters for a trigger version

* TSET = time offset (~ 127)ns
* TCUT = (10 , 15 , 20)ns

or, conservative (12 , 16 , 20)ns