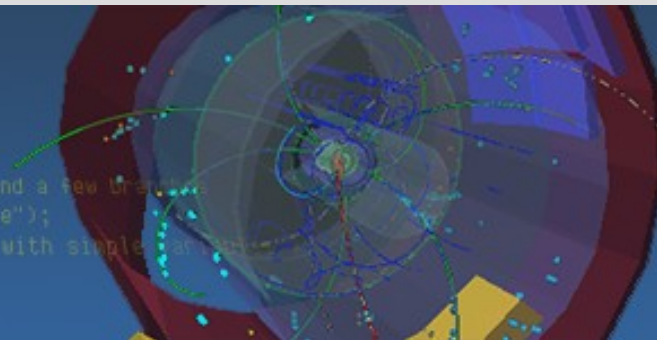# RootSpy Status Report

- Brief Overview

- What We Have Done

- What We Have To Do

- Time Line

-James Codega

<u>Brief Overview</u>

- RootSpy is a scalable monitoring system

- Replaces outdated software

- Uses cMsg and ROOT packages


-James Codega

What We Have Done (Debugging)

- Started with beta

- Rewrote entire code
  - More efficient
  - Easier to edit code

- Found one bug after another
  - Froze when a hist was received
  - Would not display anything
  - View by server Vs. View by object

-James Codega

What We Have Done (Overall)

- Compiled and run on local computer
  - Can sum and display multiple histograms

- Compiled and run on DA Farm 26
  - Has all the functions when run on local computer

- Functions added
  - GUI
    - Buttons
    - Labels

  - Switches for View By Server and View By Object
  - Sums histograms from different sources
  - Tbrowser Button

-James Codega
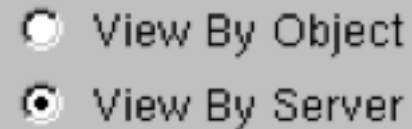
Current Histogram Info.

Server: harriet.jlab.org_48376

Histogram: /THROWN/theta

Retrieved: --------------------------------

○ View By Object

⦿ View By Server

Select Server/Histo

Next

Update

Thrown theta in degrees
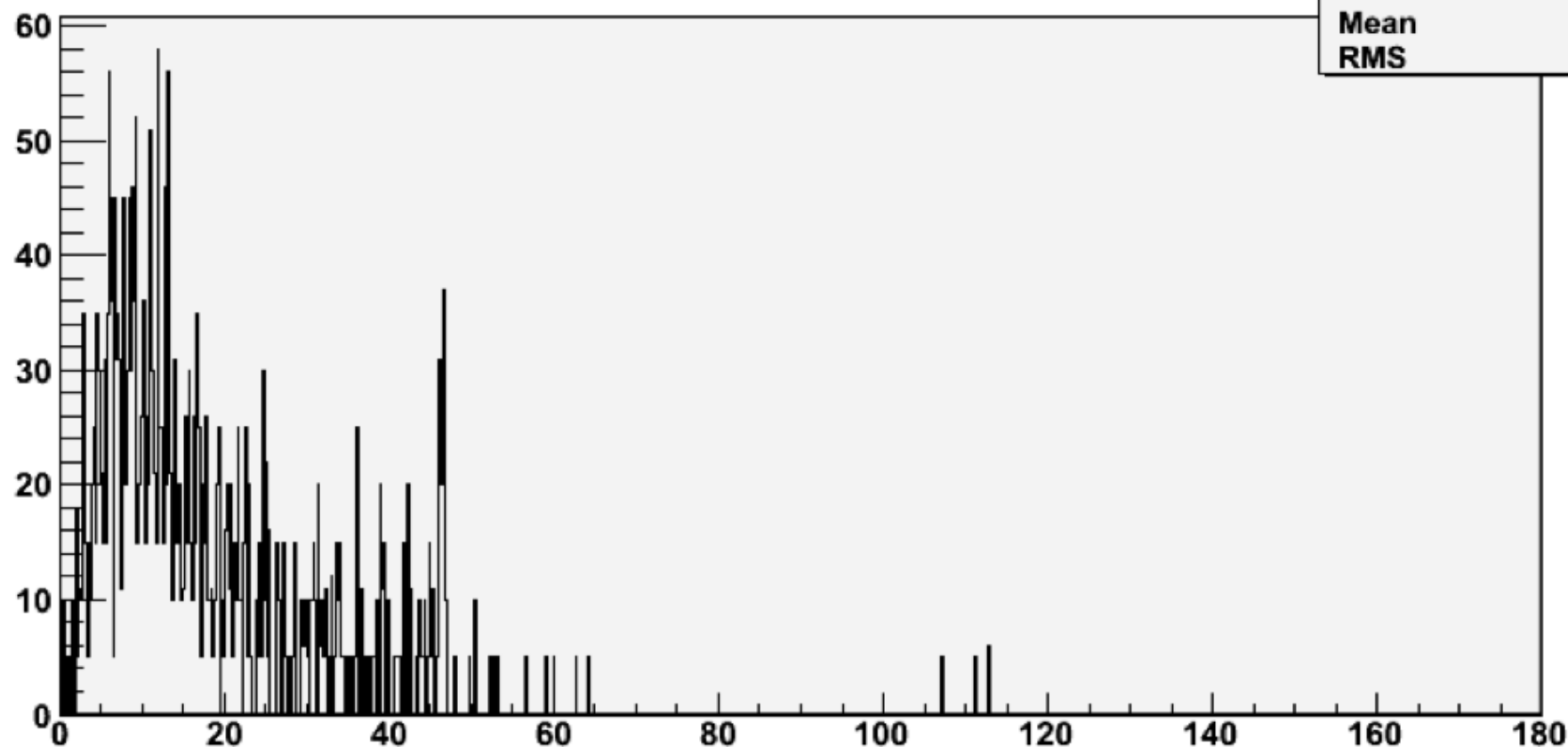
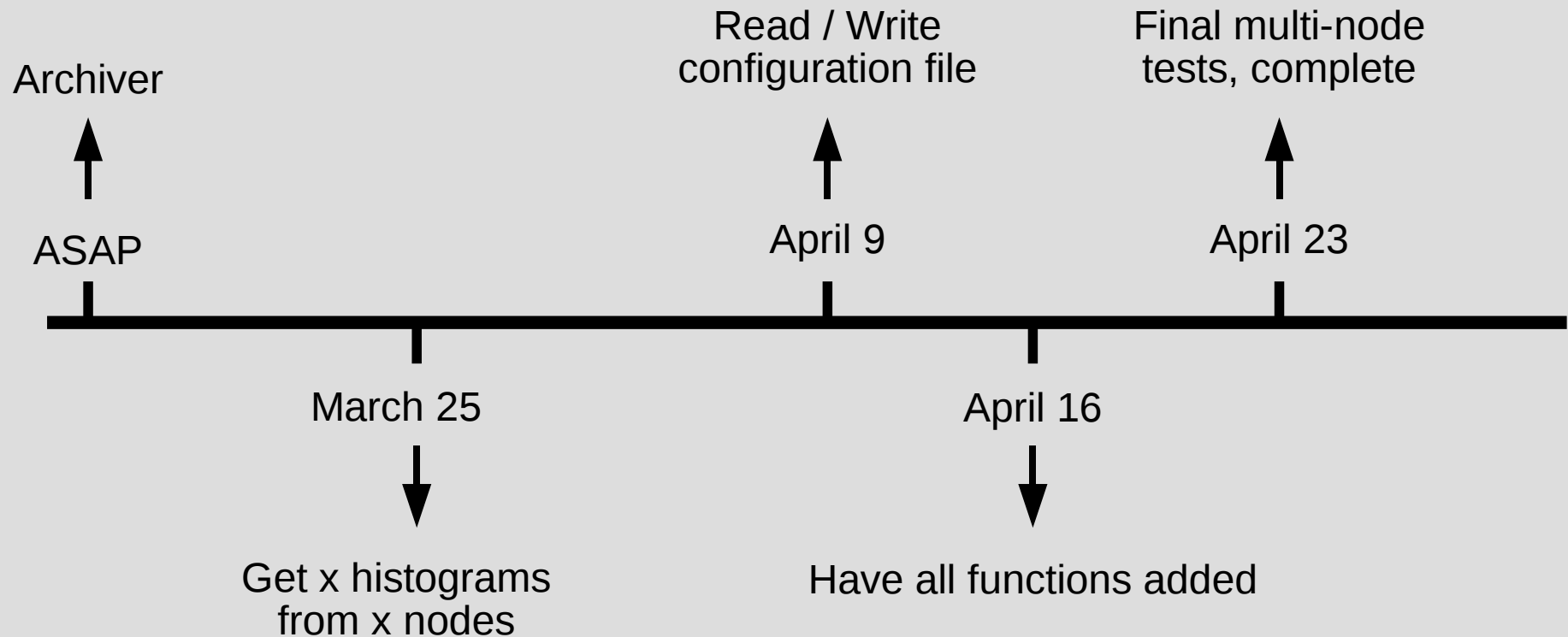| theta	
Entries	3556
Mean	18.94
RMS	14.6

TBrowser Quit

What We Have To Do

- Add functions

- Archiver program

- Get histograms from a separate node over the server

- Read / Write configuration file

- Final multi-node test

-James Codega

Final Multi-Node Test

- Sum histograms from 12+ nodes simultaneously

- View histograms from nodes

- Have all functions working for test

-James Codega

Time Line

Archiver

Read / Write
configuration file

Final multi-node
tests, complete

ASAP

April 9

April 23

March 25

April 16

Get x histograms
from x nodes

Have all functions added

-James Codega

Questions?

-James Codega