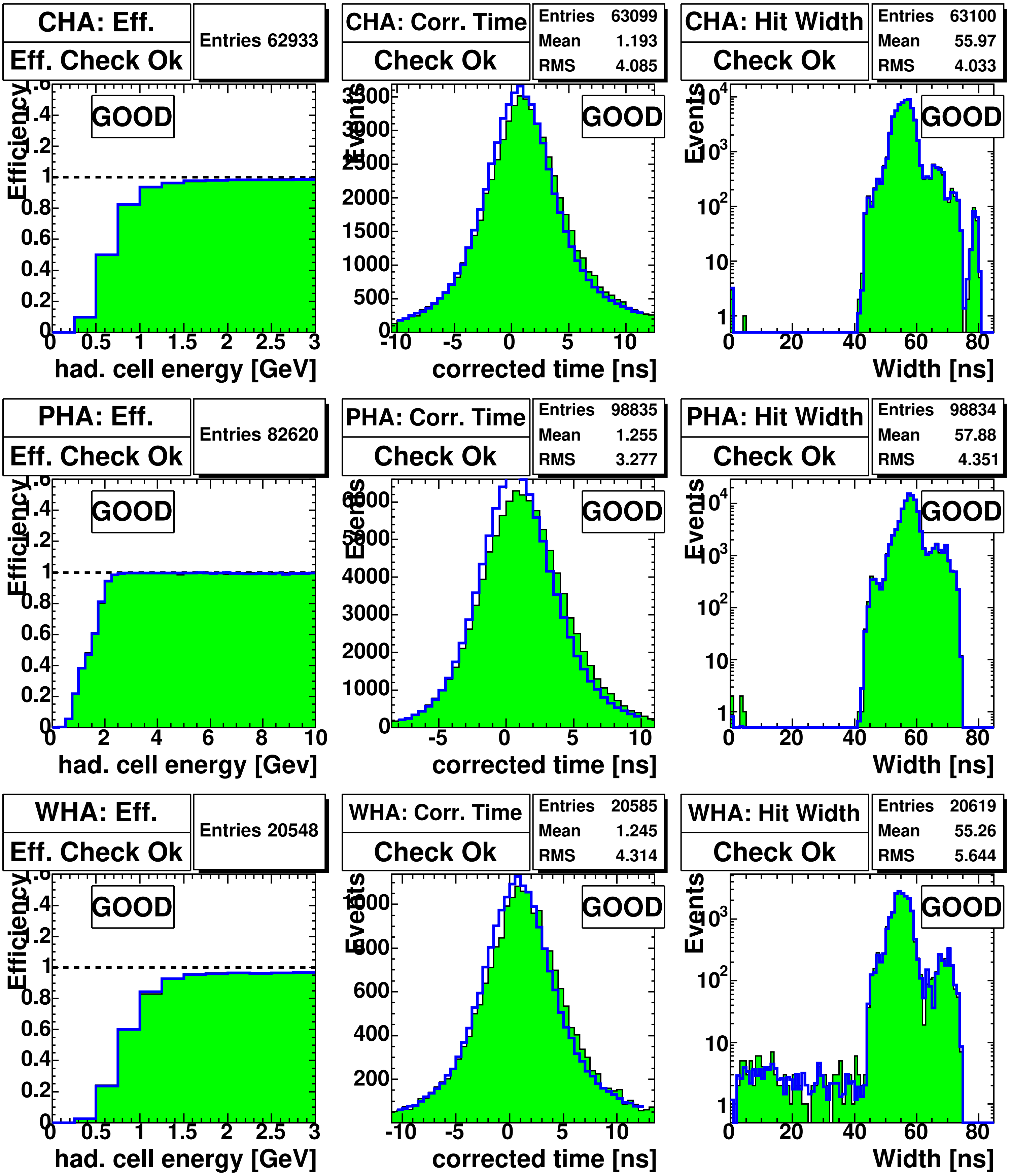
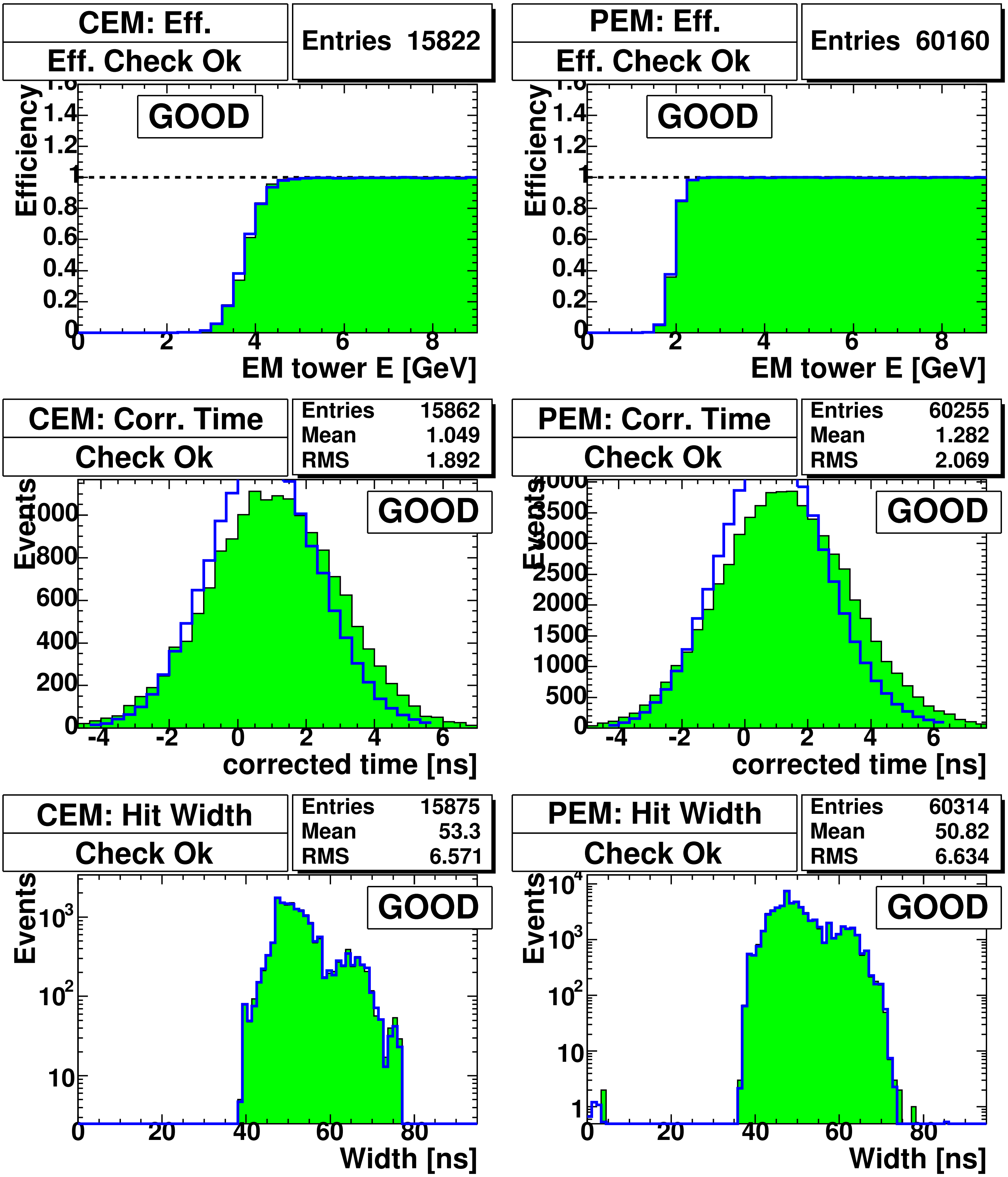
ObjectMon #2 TimeMonitor HADTDC Timing

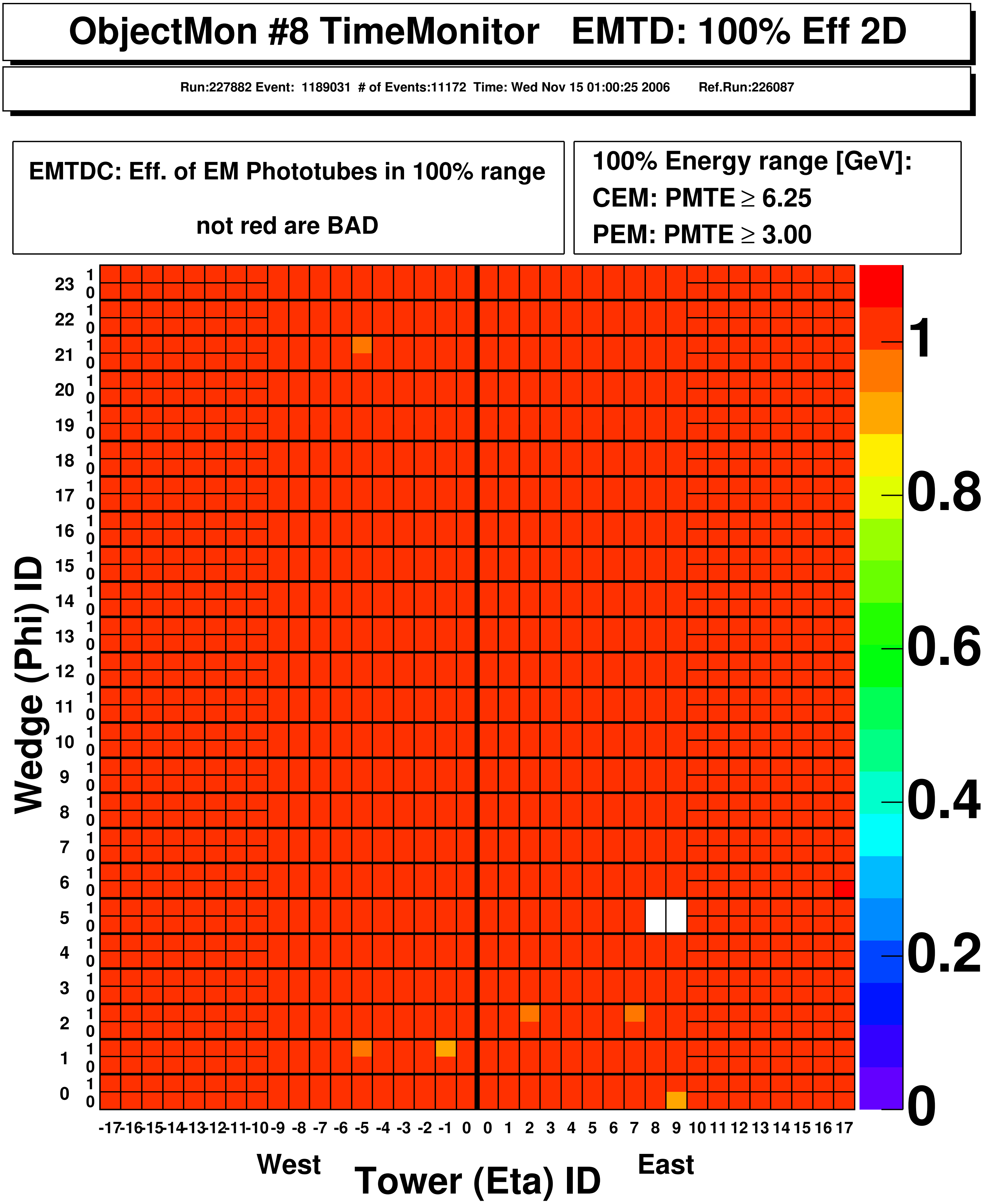
Run:227882 Event: 1189031 # of Events:11172 Time: Wed Nov 15 01:00:25 2006 Ref.Run:226087



ObjectMon #4 TimeMonitor EMTDC Timing

Run:227882 Event: 1189031 # of Events:11172 Time: Wed Nov 15 01:00:25 2006 Ref.Run:226087



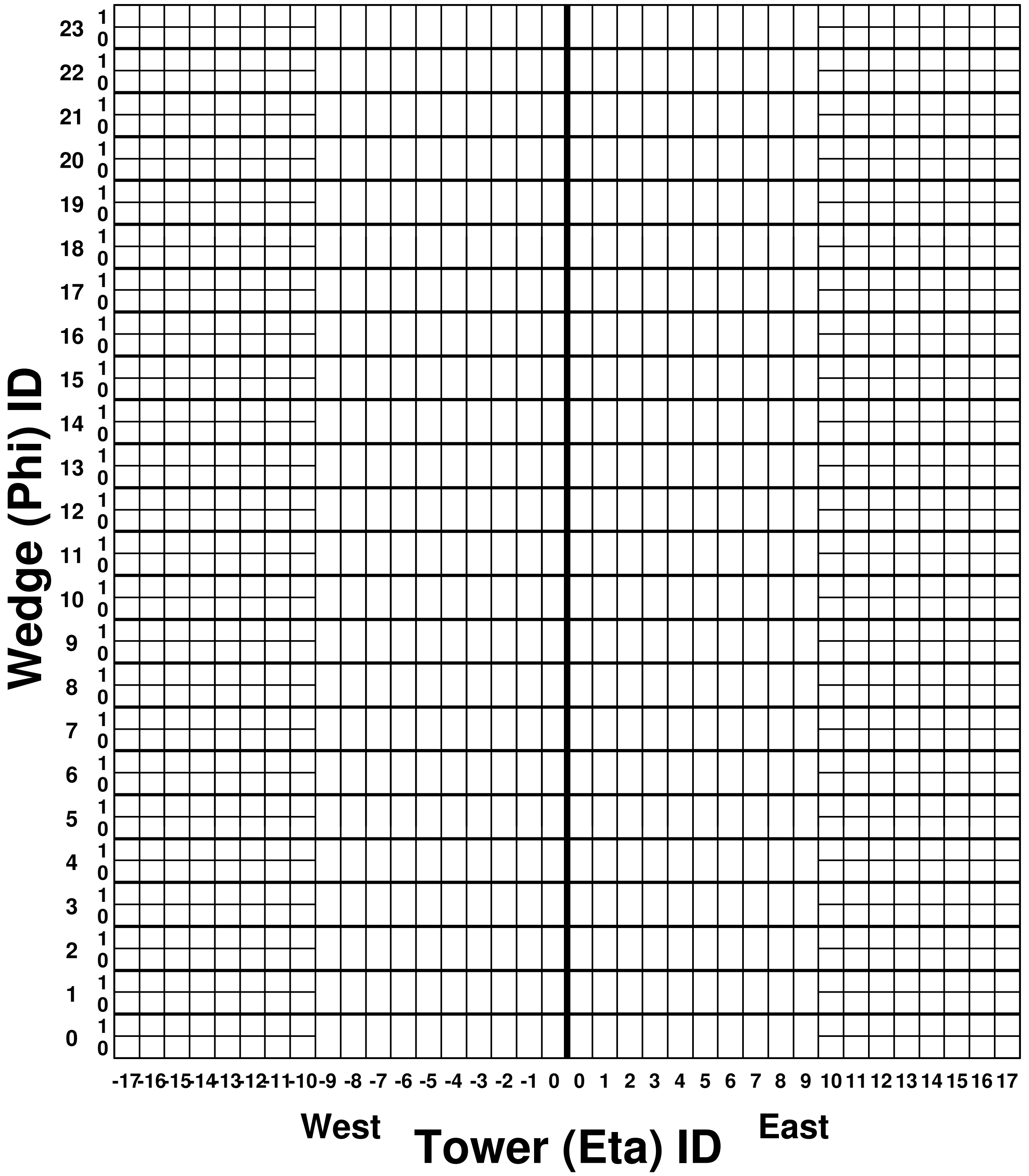

ObjectMon #8 TimeMonitor EMTD: 100% Eff 2D
Run:227882 Event: 1189031 # of Events:11172 Time: Wed Nov 15 01:00:25 2006 Ref.Run:226087
EMTDC: Eff. of EM Phototubes in 100% range
not red are BAD
100% Energy range [GeV]:
CEM: PMTE ≥ 6.25
PEM: PMTE ≥ 3.00
Wedge (Phi) ID
Tower (Eta) ID
West
East
0
0.2
0.4
0.6
0.8
1

ObjectMon #22 TimeMonitor   EMTD: Fit Efficiency

Run:227882 Event: 1189031 # of Events:11172 Time: Wed Nov 15 01:00:25 2006 Ref.Run:226087

EMTDC: Eff. Fit Plateau not red are BAD

ASD Time Window is 520 ns < t_0 < 660 ns

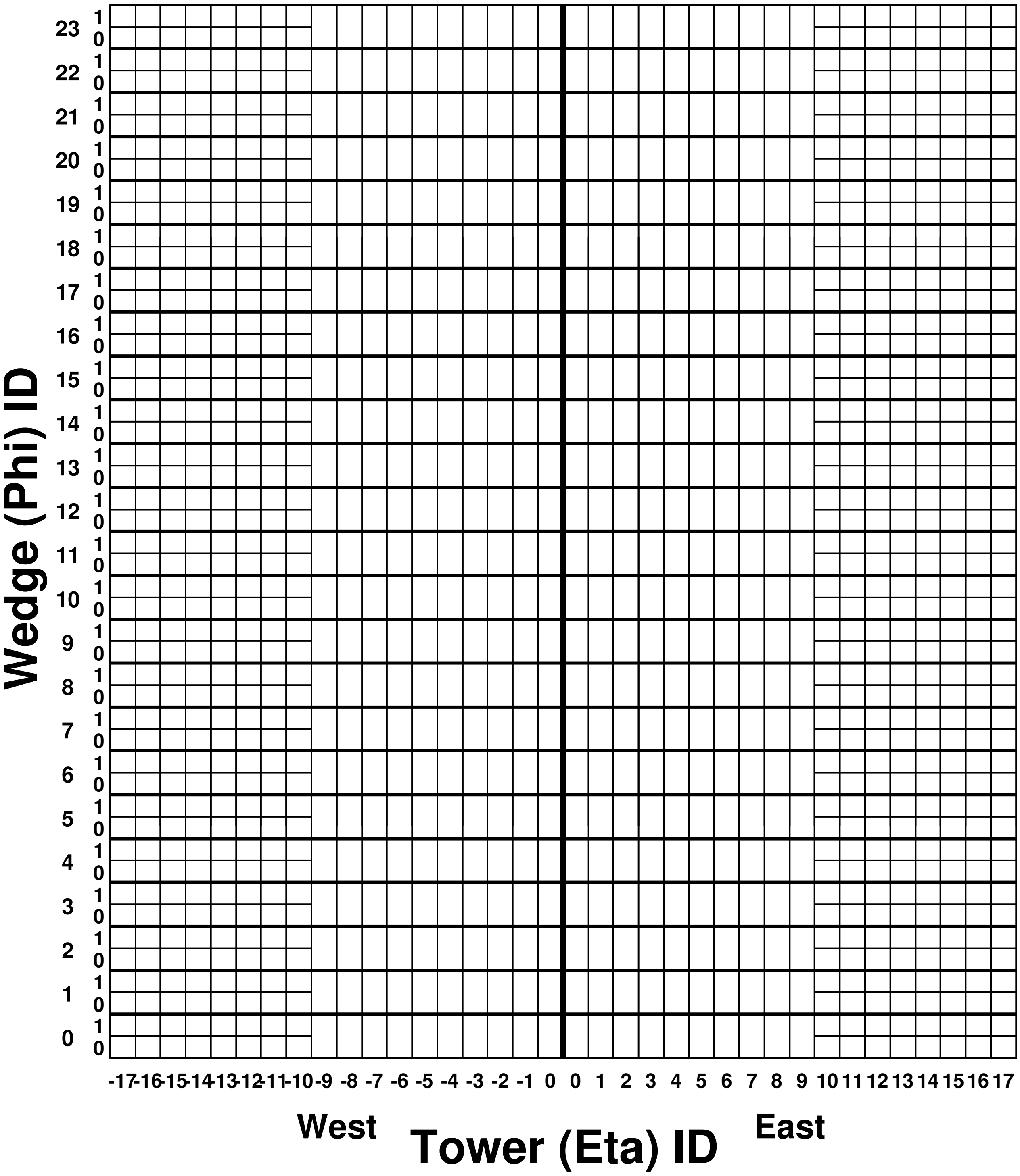


ObjectMon #20 TimeMonitor EMTD: Thresholds

Run:227882 Event: 1189031 # of Events:11172 Time: Wed Nov 15 01:00:25 2006 Ref.Run:226087

EMTDC: 50% Thresholds
red - BAD

ASD Time Window is
520 ns < t_0 < 660 ns
units for CEM: ADC counts * 0.01
units for PEM: ADC counts * 0.044

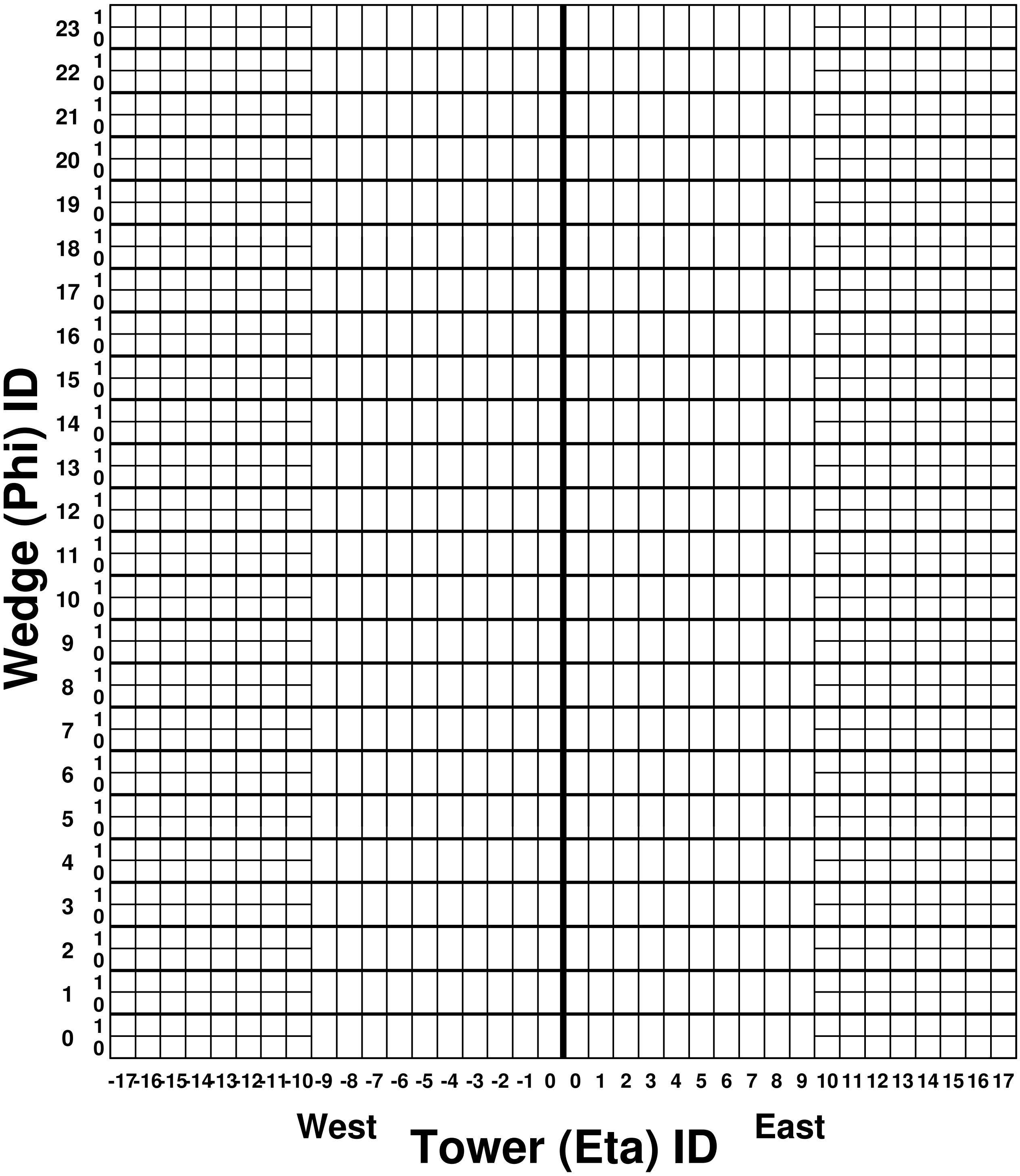


ObjectMon #21 TimeMonitor EMTD: Threshold Sigma

Run:227882 Event: 1189031 # of Events:11172 Time: Wed Nov 15 01:00:25 2006 Ref.Run:226087

EMTDC: Threshold Width
red - BAD

ASD Time Window is
520 ns < t_0 < 660 ns
units for CEM: ADC counts * 0.01
units for PEM: ADC counts * 0.045

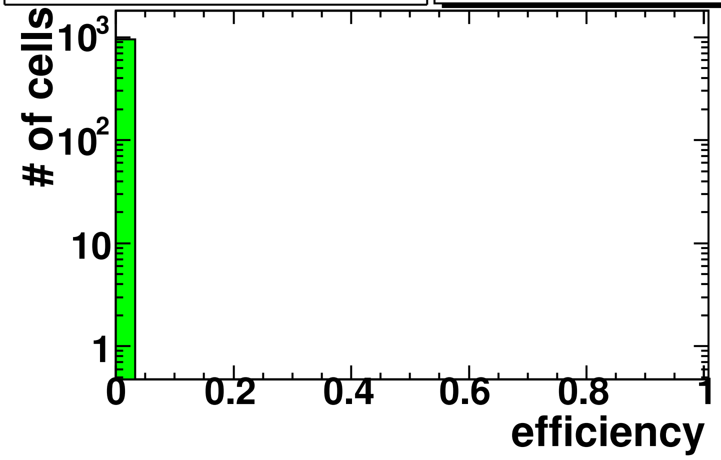


ObjectMon #9 TimeMonitor   EMTD: Thresh., Eff. and Sigmas

Run:227882 Event: 1189031 # of Events:11172 Time: Wed Nov 15 01:00:25 2006   Ref.Run:226087

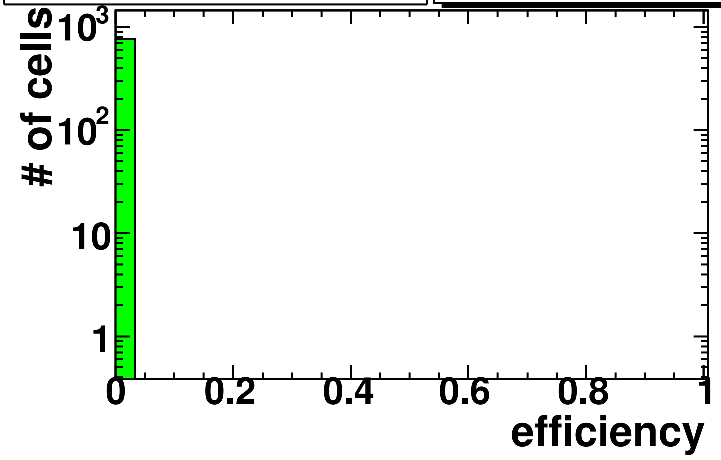
CEM: Eff. Plateau Distrib.

Entries	956
Mean	0.01625
RMS	7.258e-11



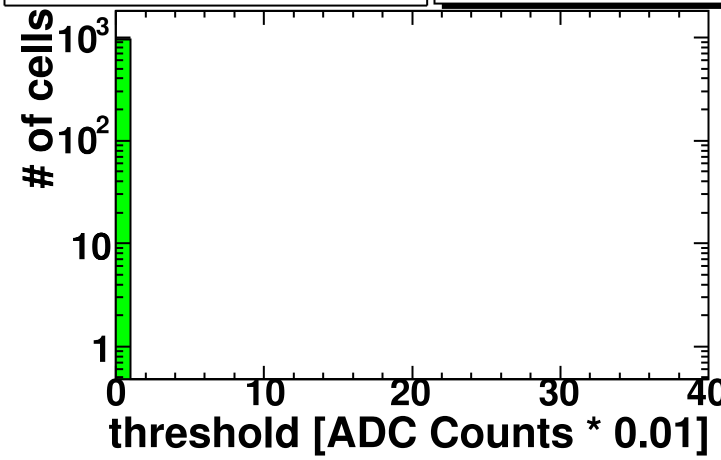
PEM: Eff. Plateau Distrib.

Entries	768
Mean	0.01625
RMS	8.716e-11



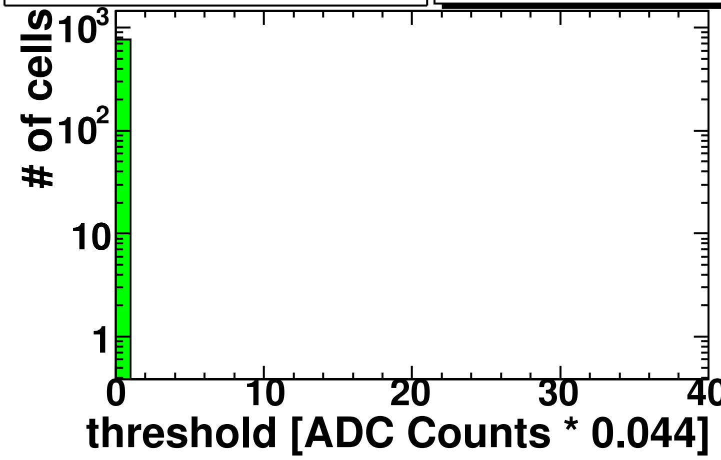
CEM: Threshold Distrib.

Entries	956
Mean	0
RMS	-0
Underflow	0
Overflow	0



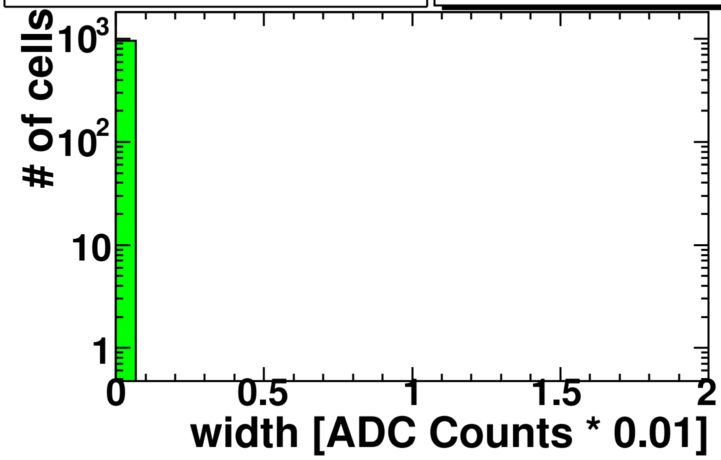
PEM: Threshold Distrib.

Entries	768
Mean	0
RMS	-0
Underflow	0
Overflow	0



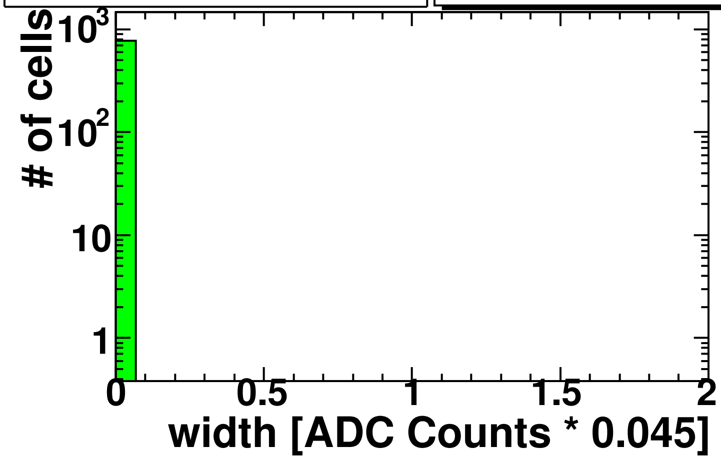
CEM: Width Distrib.

Entries	956
Mean	0
RMS	-0
Underflow	0
Overflow	0



PEM: Width Distrib.

Entries	768
Mean	0
RMS	-0
Underflow	0
Overflow	0



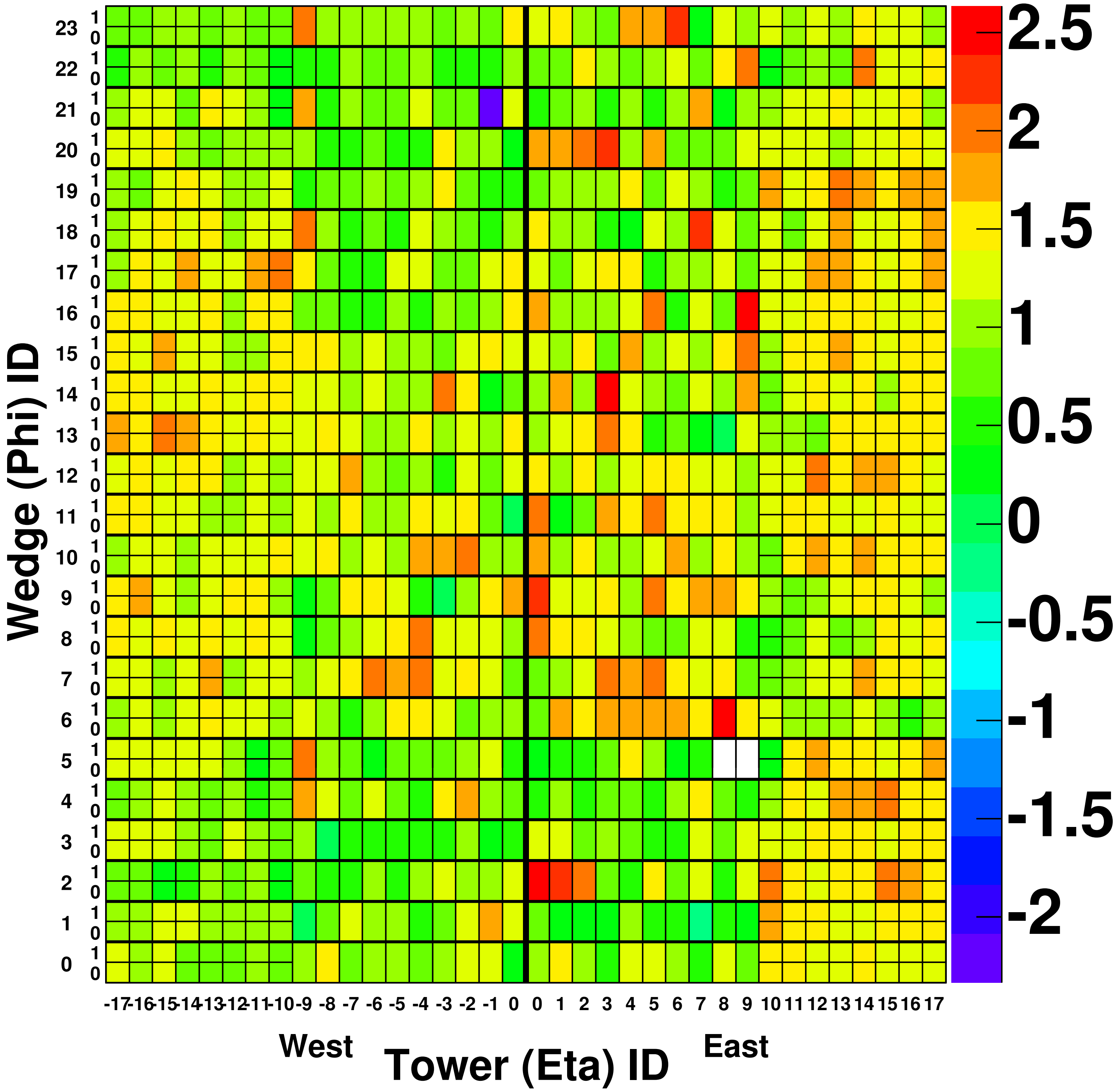
ObjectMon #12 TimeMonitor   EMTD: Mean Corrected t0

Run:227882 Event: 1189031 # of Events:11172 Time: Wed Nov 15 01:00:25 2006   Ref.Run:226087

EMTDC: Mean Corrected t_0

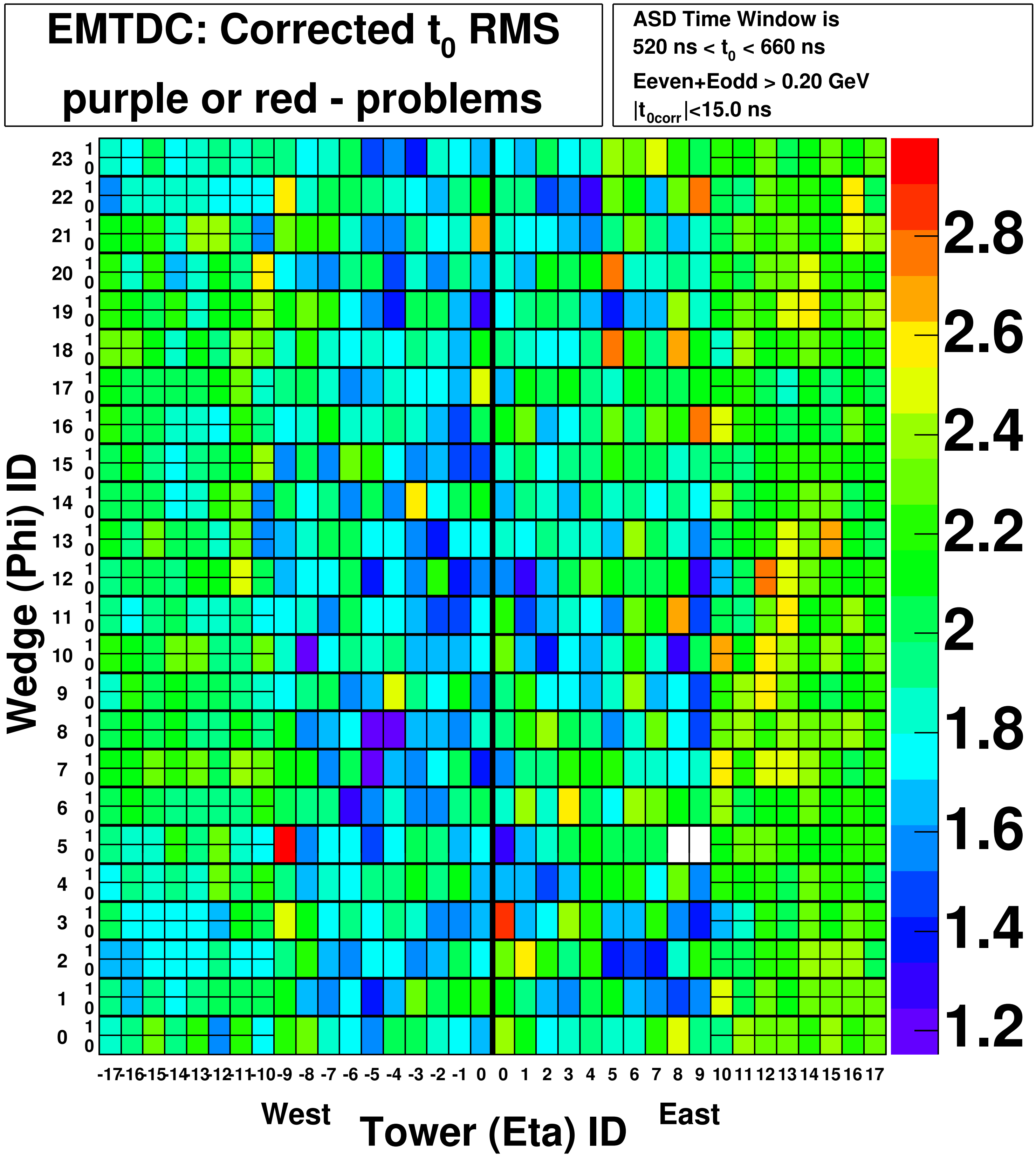
purple or red - problems

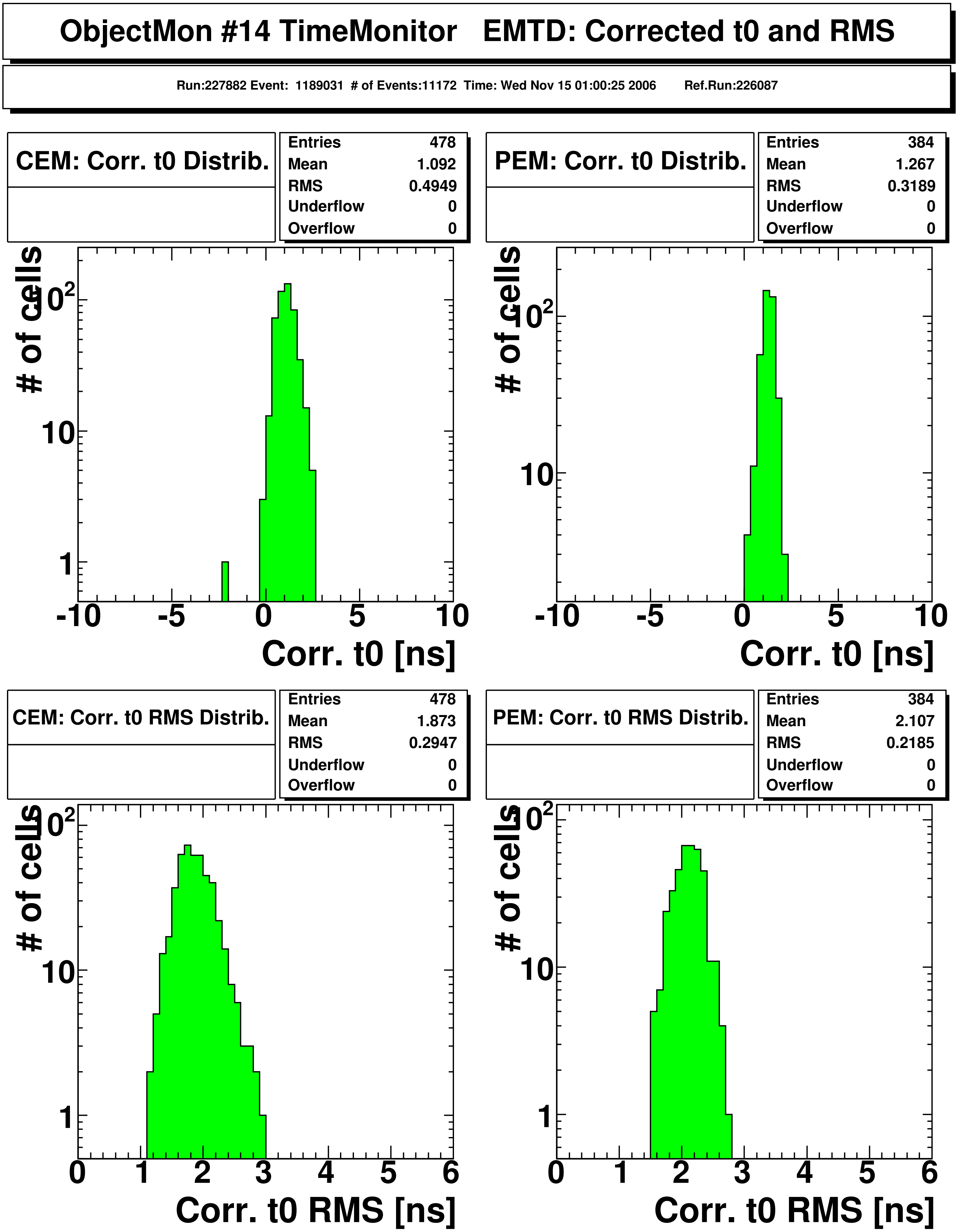
ASD Time Window is
520 ns < t_0 < 660 ns
Eeven+Eodd > 0.20 GeV
$|t_{0corr}|$<15.0 ns

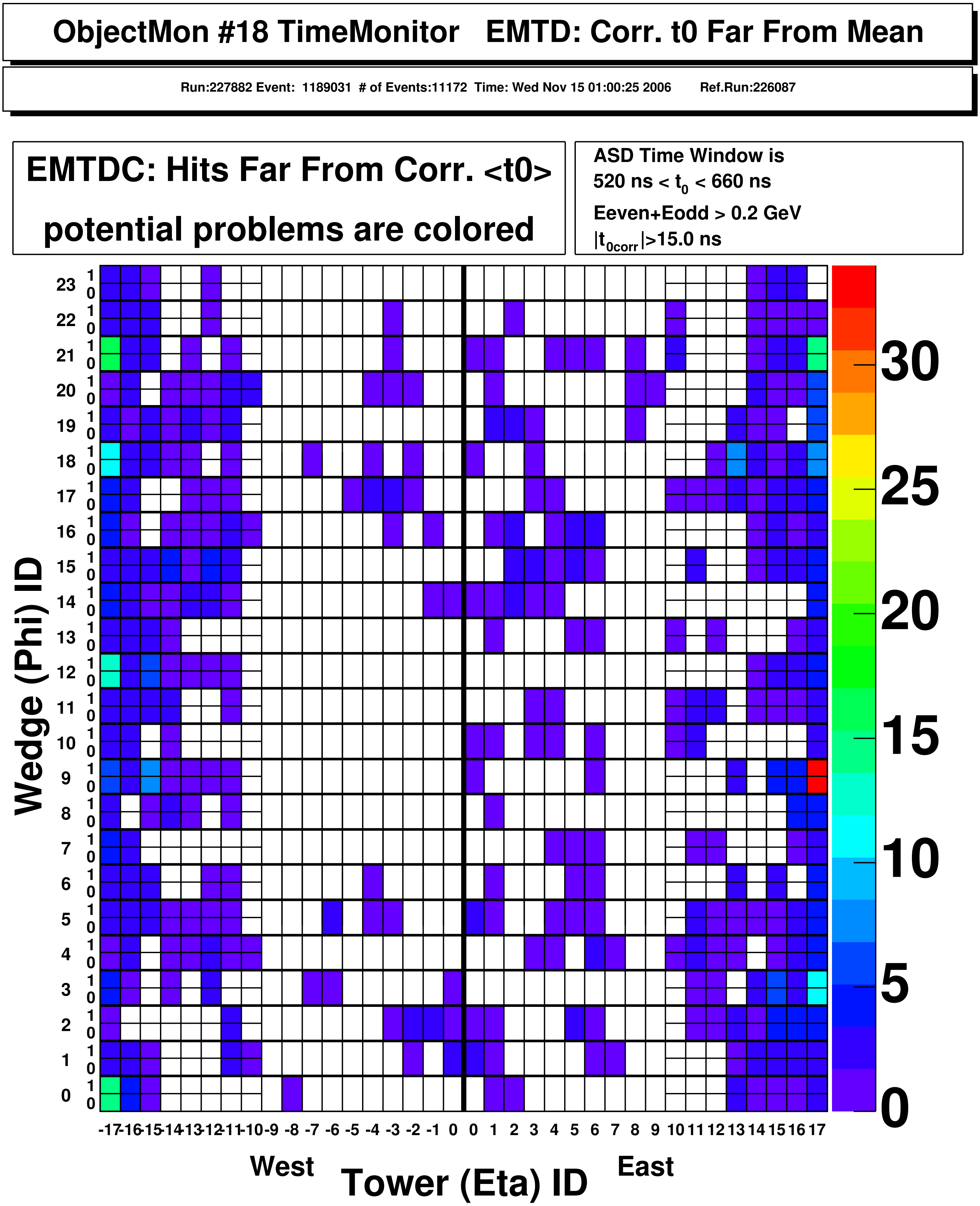


ObjectMon #13 TimeMonitor EMTD: RMS for Corrected t0

Run:227882 Event: 1189031 # of Events:11172 Time: Wed Nov 15 01:00:25 2006 Ref.Run:226087




ObjectMon #14 TimeMonitor EMTD: Corrected t0 and RMS
Run:227882 Event: 1189031 # of Events:11172 Time: Wed Nov 15 01:00:25 2006 Ref.Run:226087
CEM: Corr. t0 Distrib.
Entries 478
Mean 1.092
RMS 0.4949
Underflow 0
Overflow 0
# of cells
Corr. t0 [ns]
PEM: Corr. t0 Distrib.
Entries 384
Mean 1.267
RMS 0.3189
Underflow 0
Overflow 0
# of cells
Corr. t0 [ns]
CEM: Corr. t0 RMS Distrib.
Entries 478
Mean 1.873
RMS 0.2947
Underflow 0
Overflow 0
# of cells
Corr. t0 RMS [ns]
PEM: Corr. t0 RMS Distrib.
Entries 384
Mean 2.107
RMS 0.2185
Underflow 0
Overflow 0
# of cells
Corr. t0 RMS [ns]



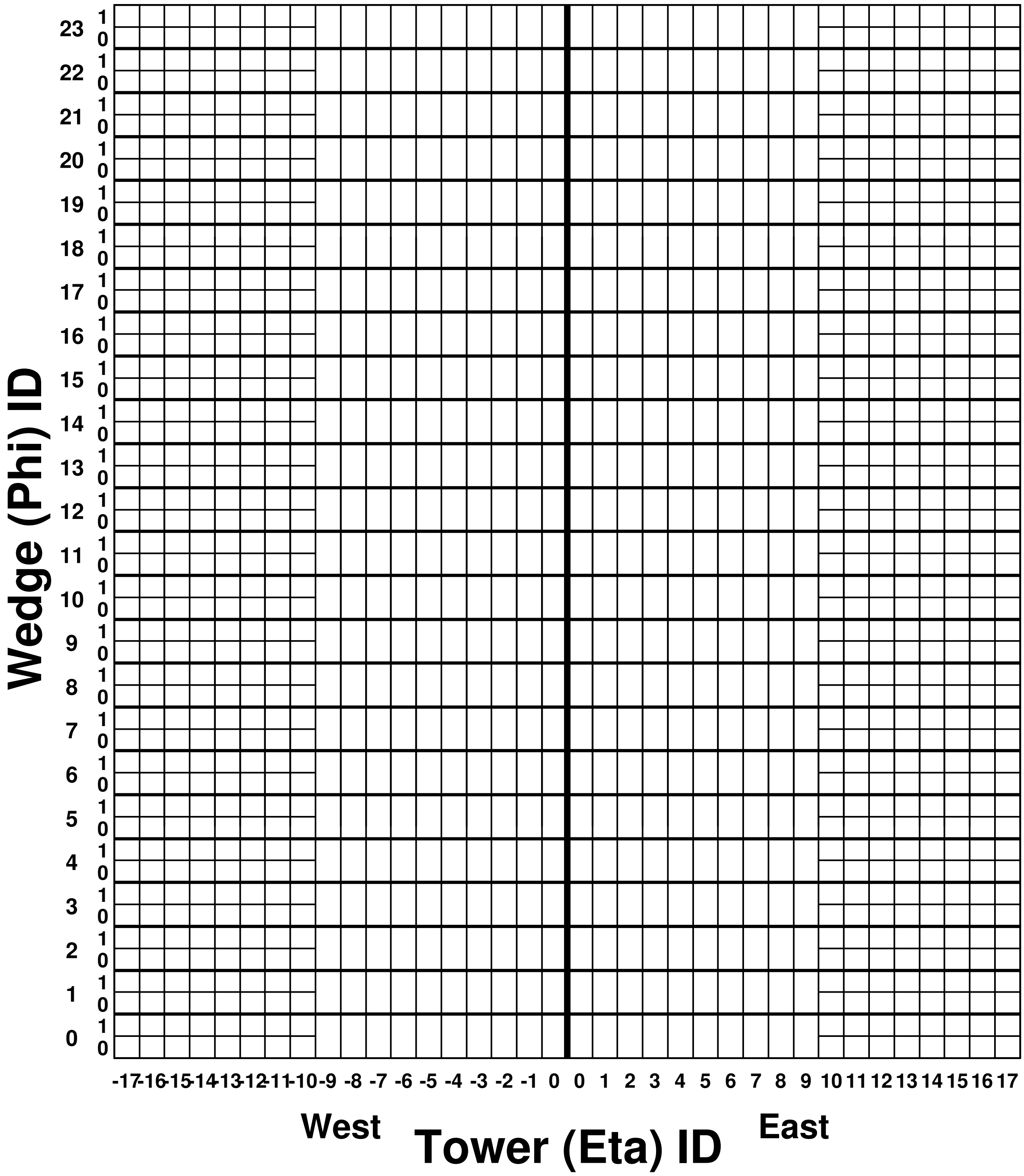
ObjectMon #18 TimeMonitor EMTD: Corr. t0 Far From Mean
Run:227882 Event: 1189031 # of Events:11172 Time: Wed Nov 15 01:00:25 2006 Ref.Run:226087
EMTDC: Hits Far From Corr. <t0>
potential problems are colored
ASD Time Window is
520 ns < t0 < 660 ns
Eeven+Eodd > 0.2 GeV
|t0corr|>15.0 ns
Wedge (Phi) ID
Tower (Eta) ID
West
East

ObjectMon #15 TimeMonitor   EMTD: Fake Firings

Run:227882 Event: 1189031 # of Events:11172 Time: Wed Nov 15 01:00:25 2006   Ref.Run:226087

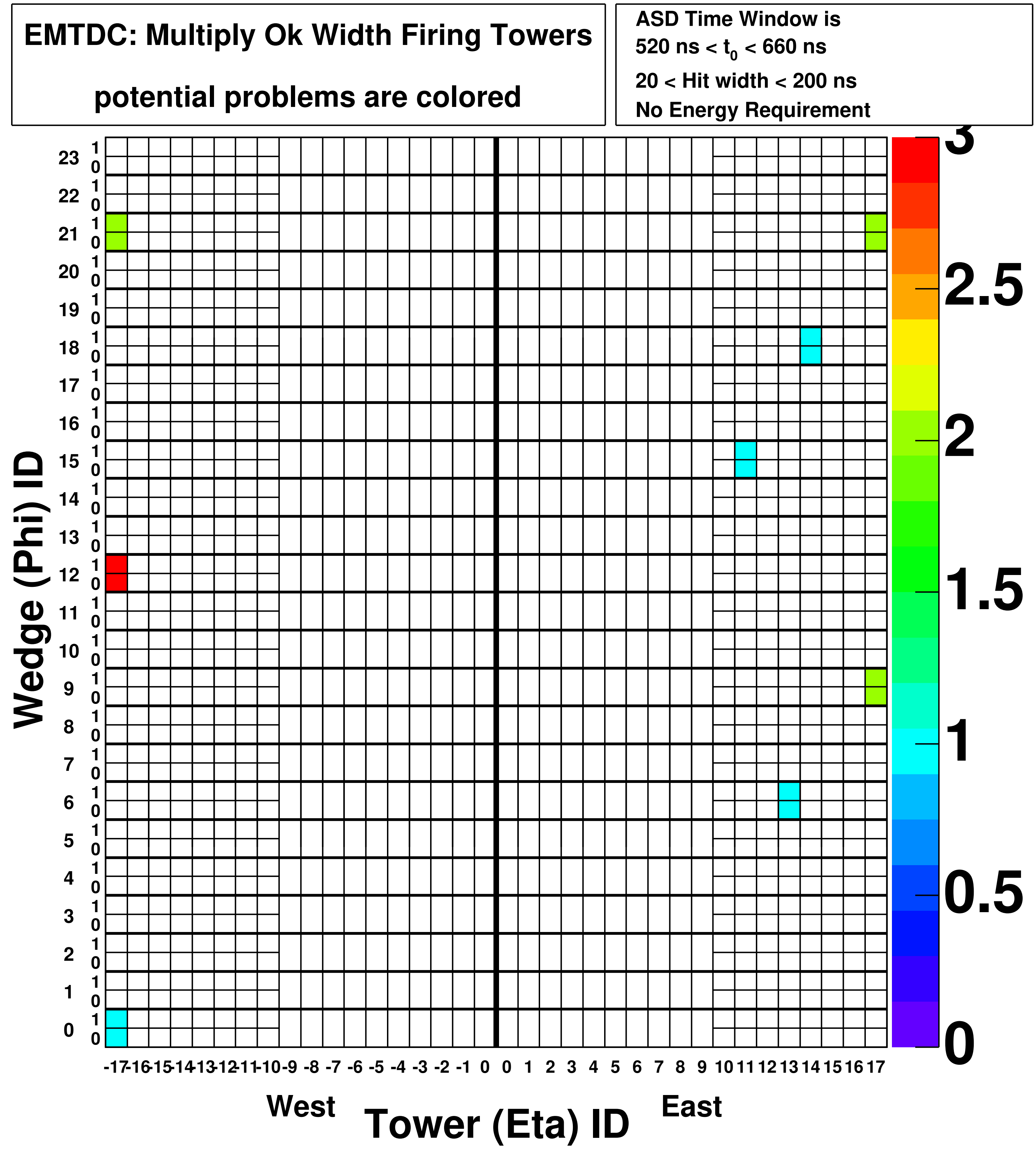
EMTDC: Fake Firings Occupancy
potential problems are colored

Energy range [GeV]:
Eeven+Eodd < 0.20
ASD Time Window is
520 ns < t_0 < 660 ns



ObjectMon #17 TimeMonitor EMTD: Multiple Firings & Ok Width

Run:227882 Event: 1189031 # of Events:11172 Time: Wed Nov 15 01:00:25 2006 Ref.Run:226087



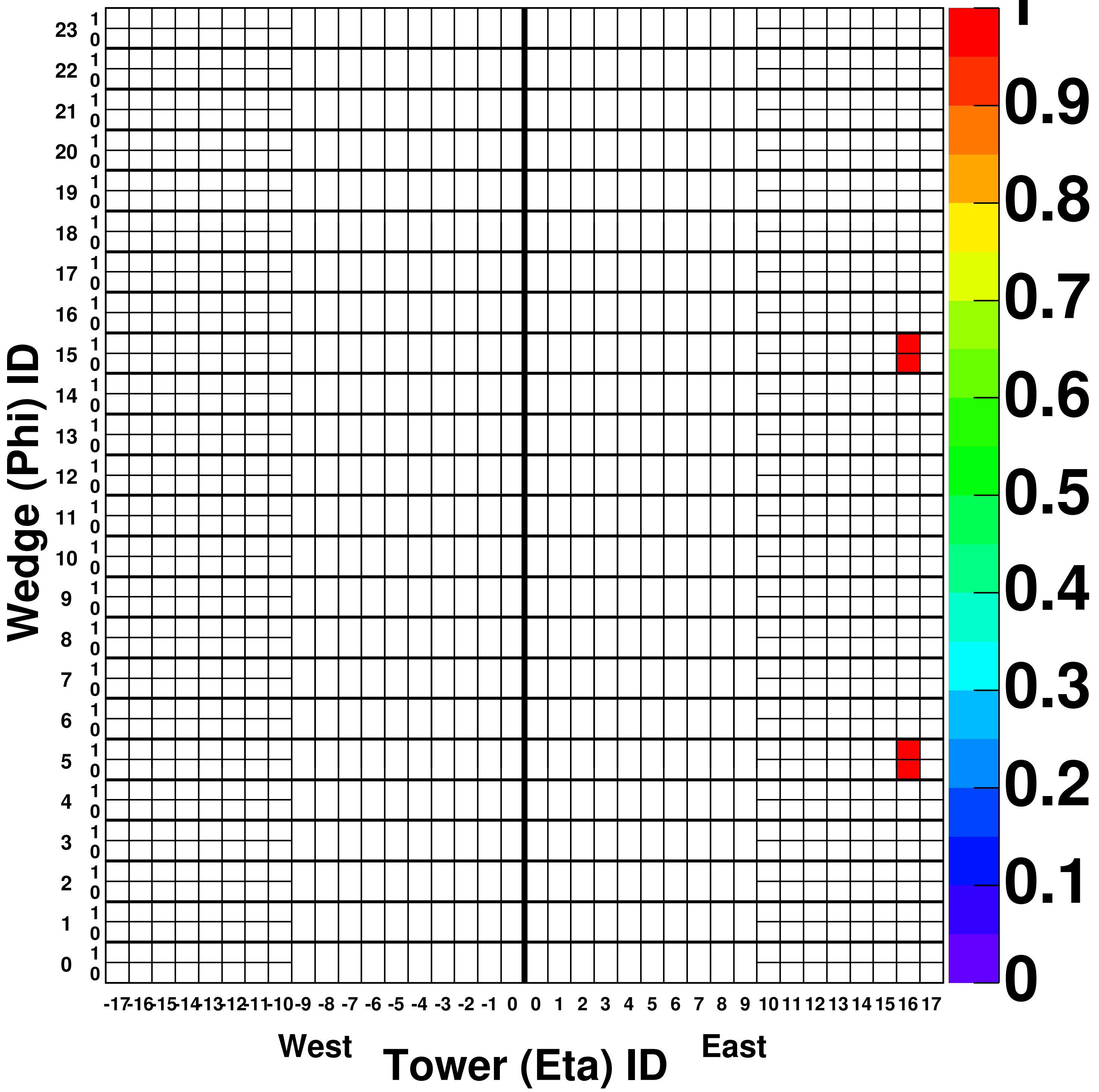
ObjectMon #16 TimeMonitor EMTD: Multiple Firings & Low Width

Run:227882 Event: 1189031 # of Events:11172 Time: Wed Nov 15 01:00:25 2006 Ref.Run:226087

EMTDC: Low Width Firing Towers

potential problems are colored

ASD Time Window is
520 ns < t_0 < 660 ns
0 < Hit width < 20 ns
No Energy Requirement



ObjectMon #19 TimeMonitor   EMTD: Fakes, Low Width and OOT Hits & Mult. Firings

Run:227882 Event: 1189031 # of Events:11172 Time: Wed Nov 15 01:00:25 2006   Ref.Run:226087