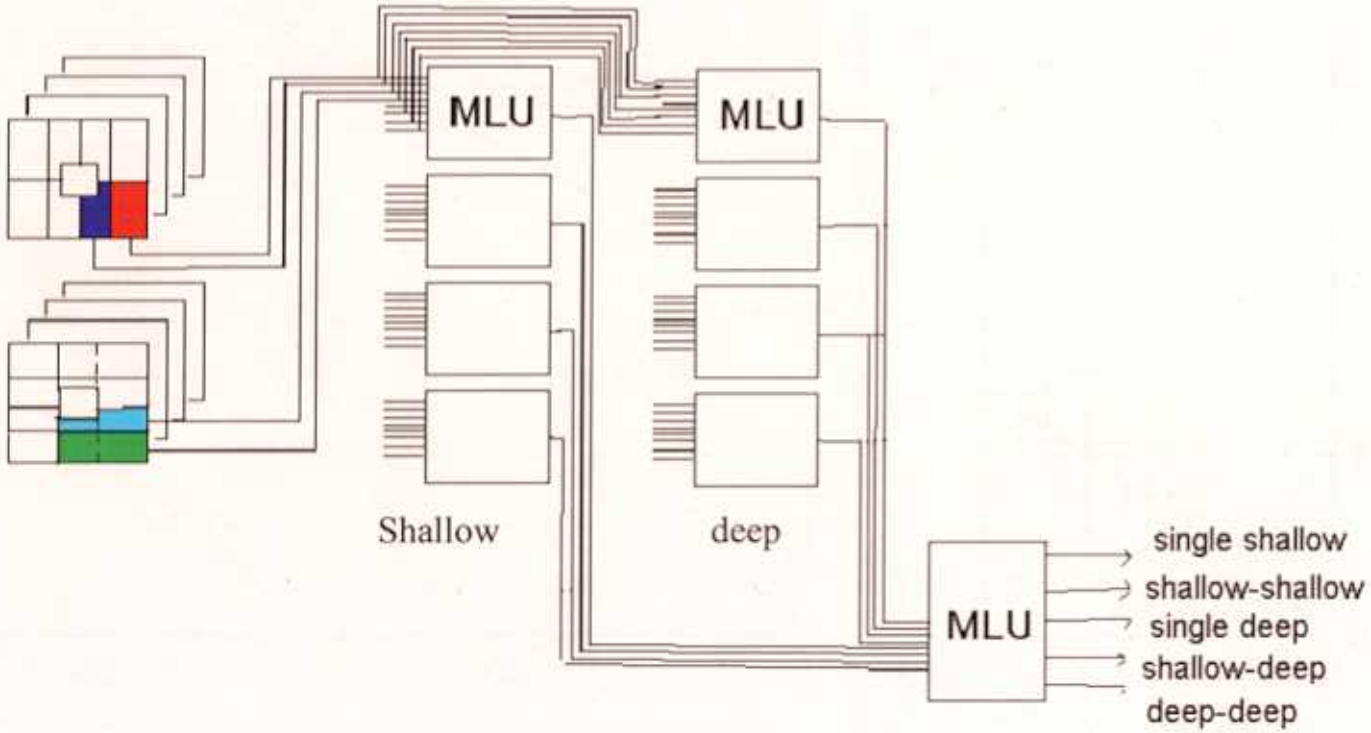
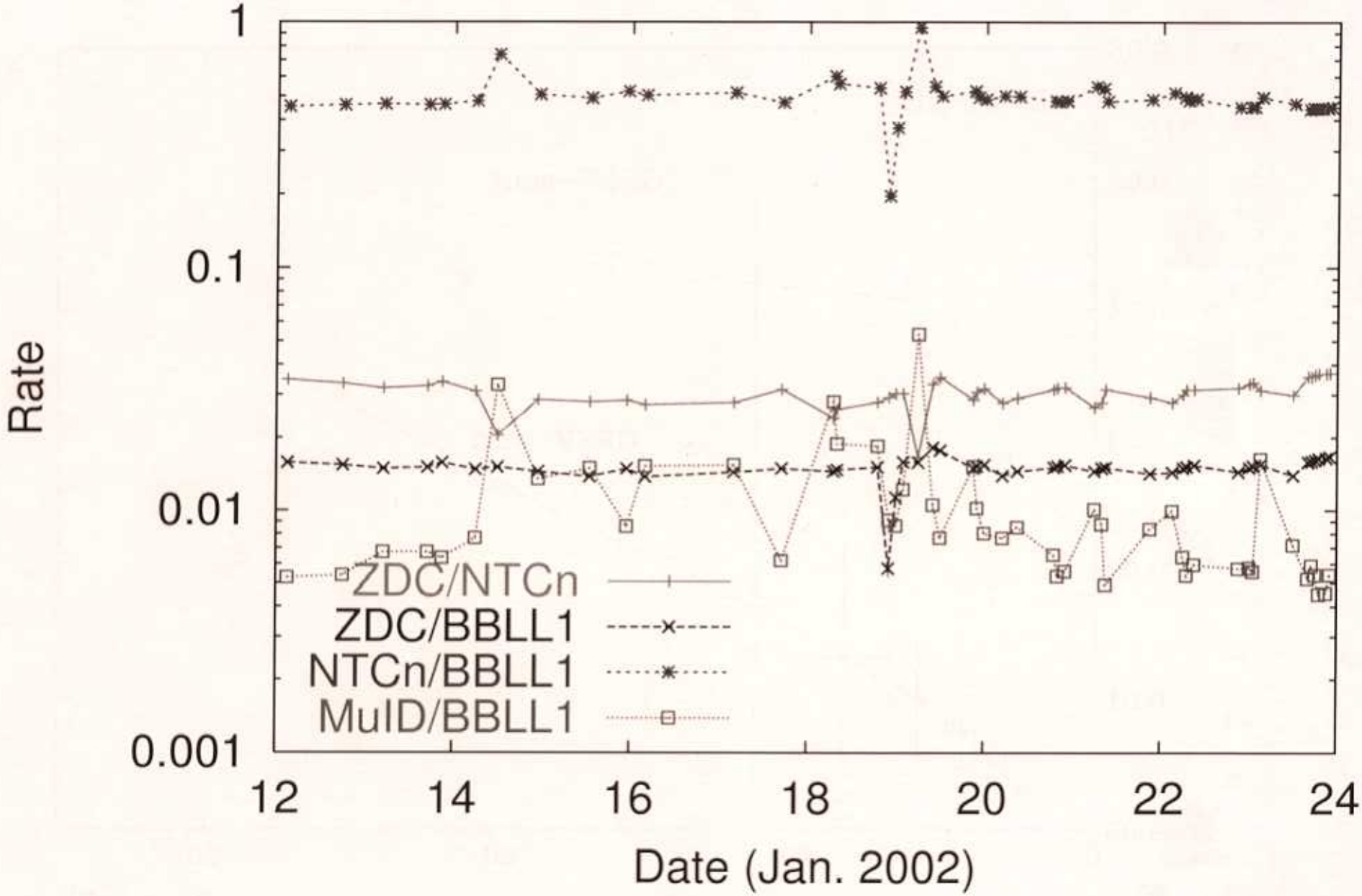
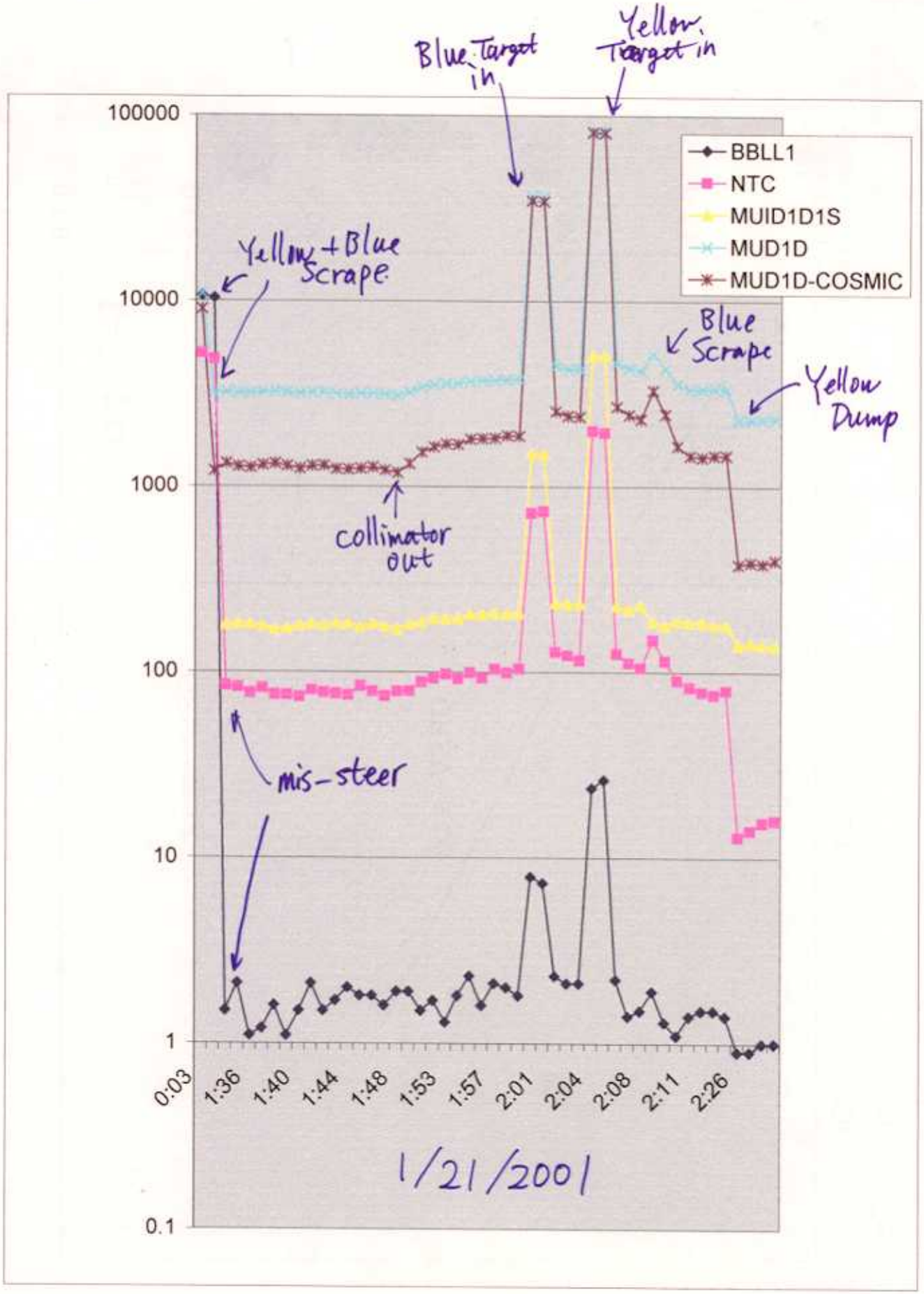
Trigger Scheme

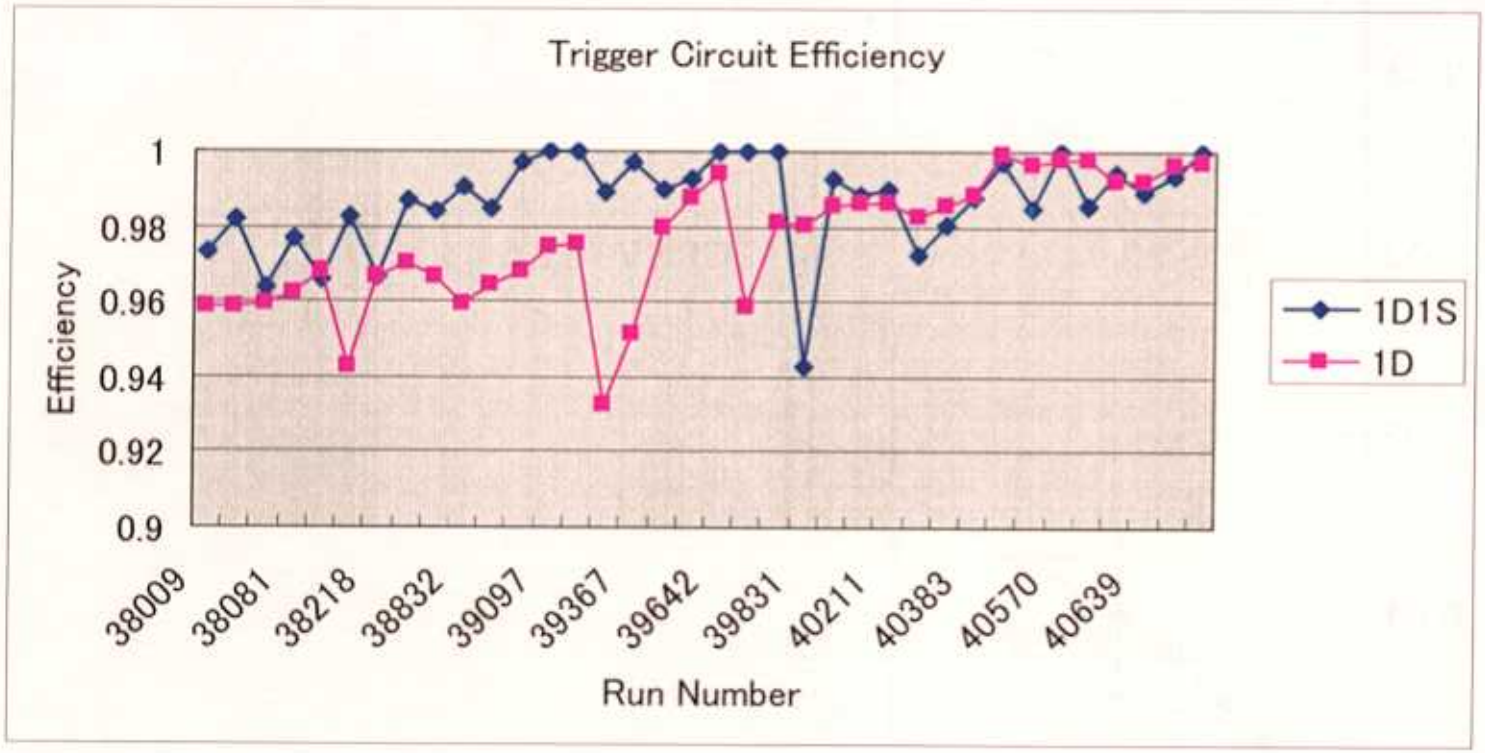
- Use 64 bits of ROC pseudo-trigger output (16 bits for each quadrant)
- Use 9 MLUs (2 for each quadrant + 1 for decision)
- 5 output (single shallow, shallow-shallow, single deep, shallow-deep, deep-deep) → useful for background study



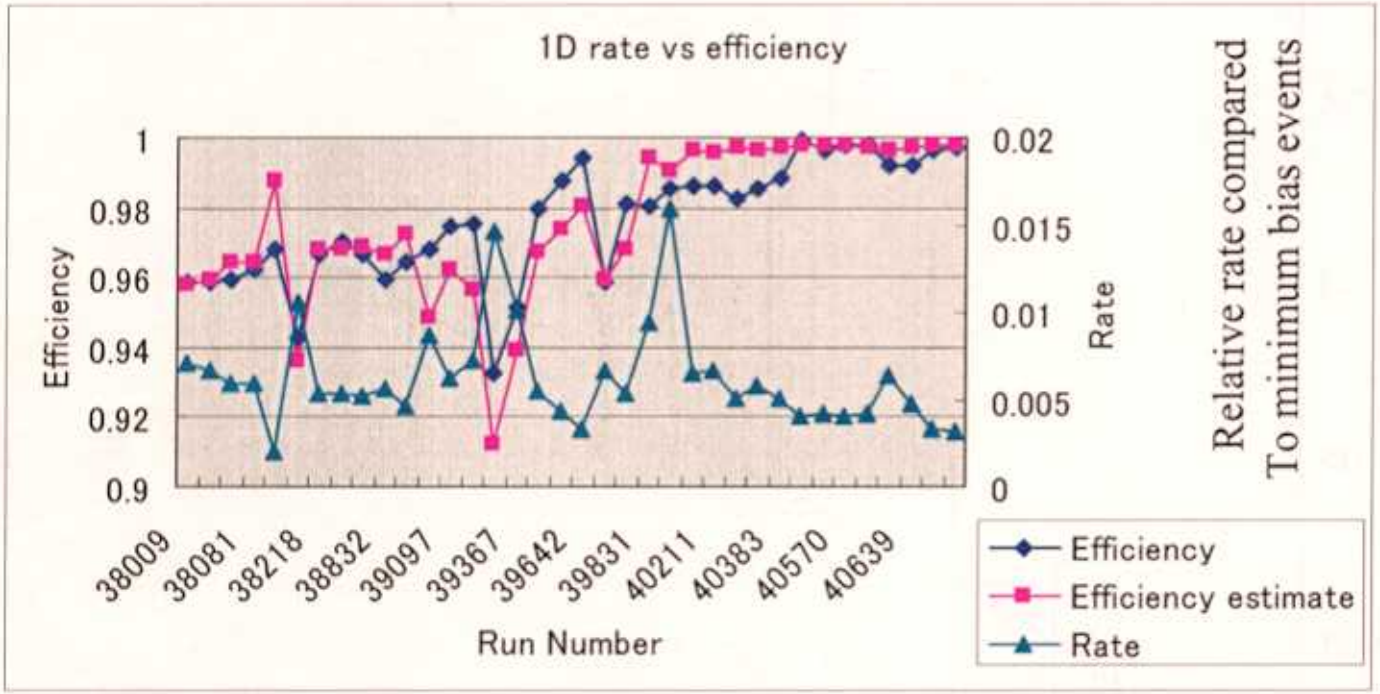

1
0.1
0.01
0.001
Rate
12
14
16
18
20
22
24
Date (Jan. 2002)
ZDC/NTCn
ZDC/BBLL1
NTCn/BBLL1
MuID/BBLL1


Blue Target in
Yellow Target in
Yellow + Blue Scrape
Blue Scrape
Yellow Dump
collimator out
mis-steer
BBLL1
NTC
MUID1D1S
MUD1D
MUD1D-COSMIC
100000
10000
1000
100
10
1
0.1
0:03
1:36
1:40
1:44
1:48
1:53
1:57
2:01
2:04
2:08
2:11
2:26
1/21/2001

Trigger-Circuit Efficiency
Run Dependence



TC Efficiency vs. Rate
Run Dependence



Efficiency is consistent with expectation from rate