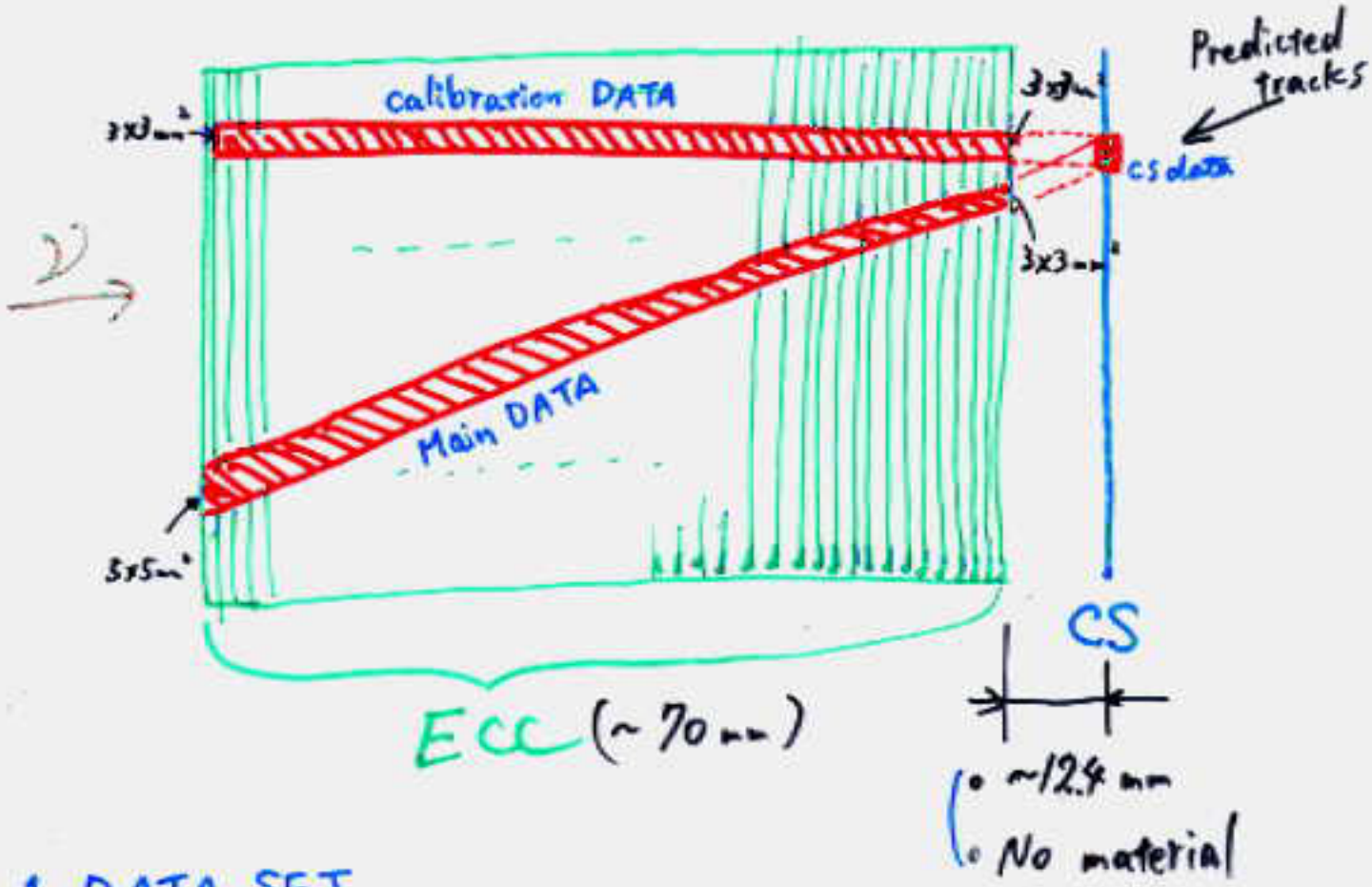
NETSCAN BACK Location
DATA TAKING



1 DATA SET

	Down stream	Up stream		
Main DATA :	3x3 →	5x5 mm²	(48 ~ 60 plates)	833 mm²
Calibration DATA :	3x3 →	3x3 mm²	(48 ~ 60 plates)	540 mm²
CS :	3.6 x 2.6 mm²		(1 plates)	~18 mm²
			97 ~ 121 plates	~1390 mm²

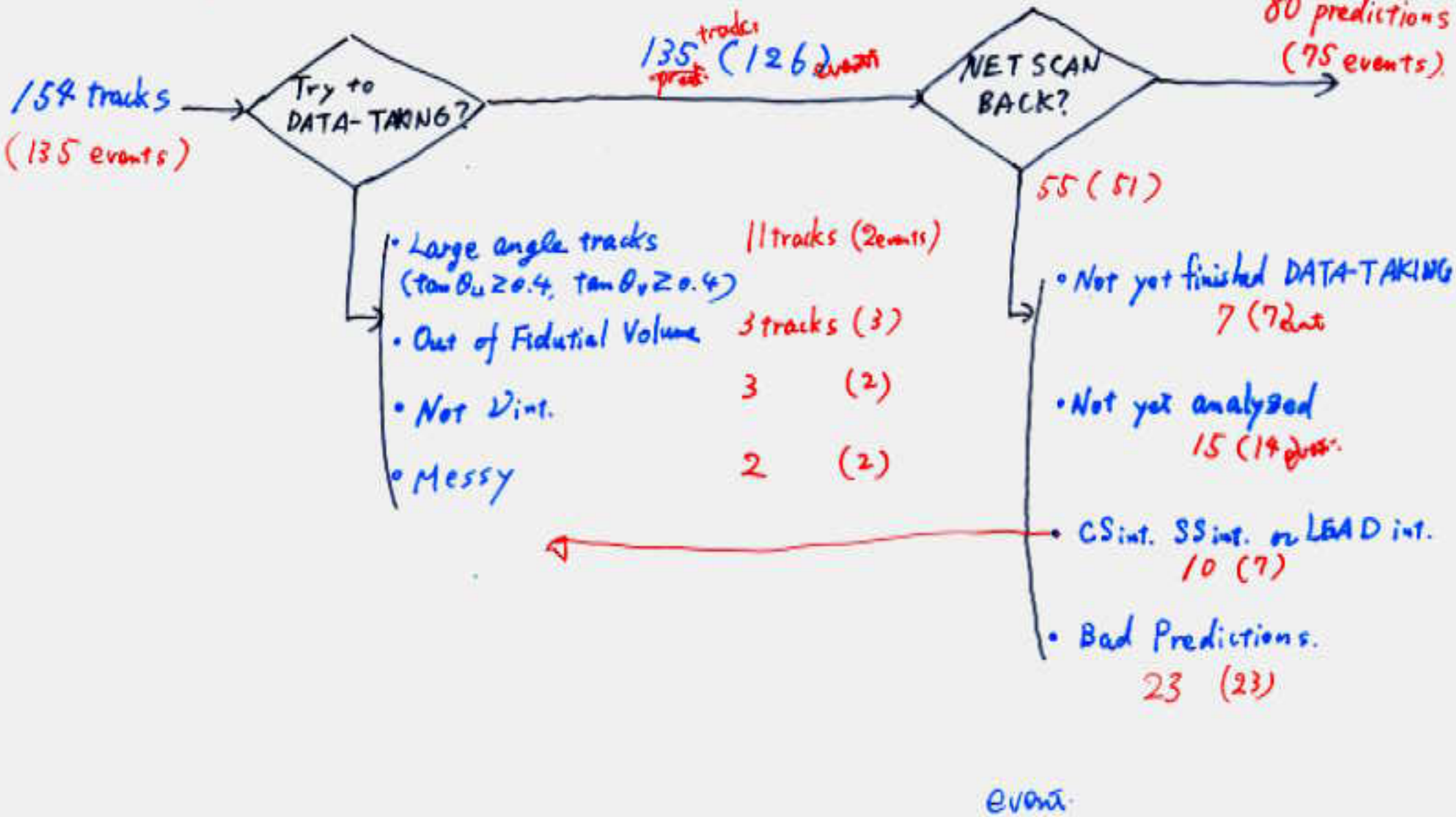
⇕

Normal NETSCAN DATA

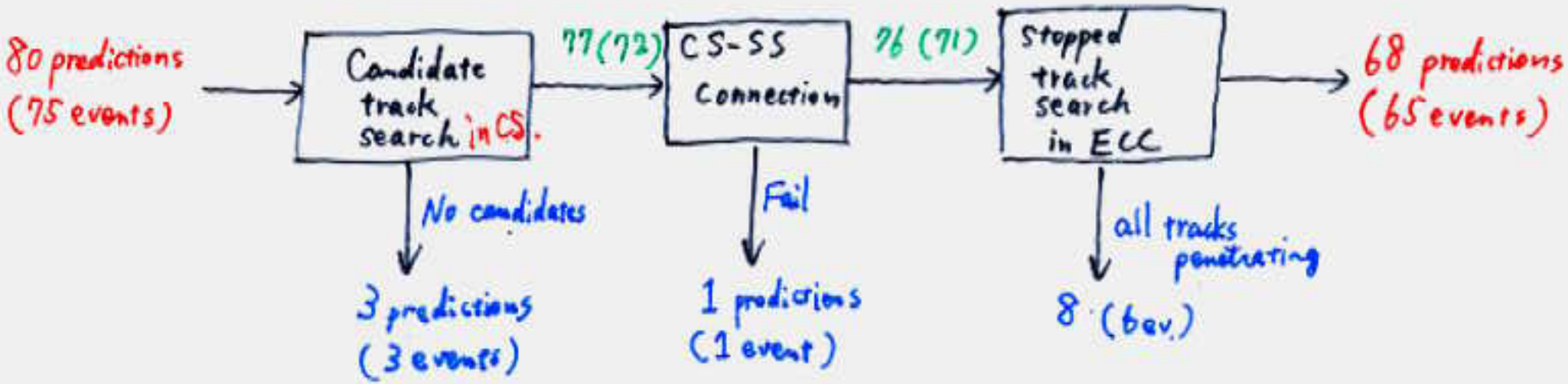
375 mm²

~4 times larger

NS-POOR Event Location Status

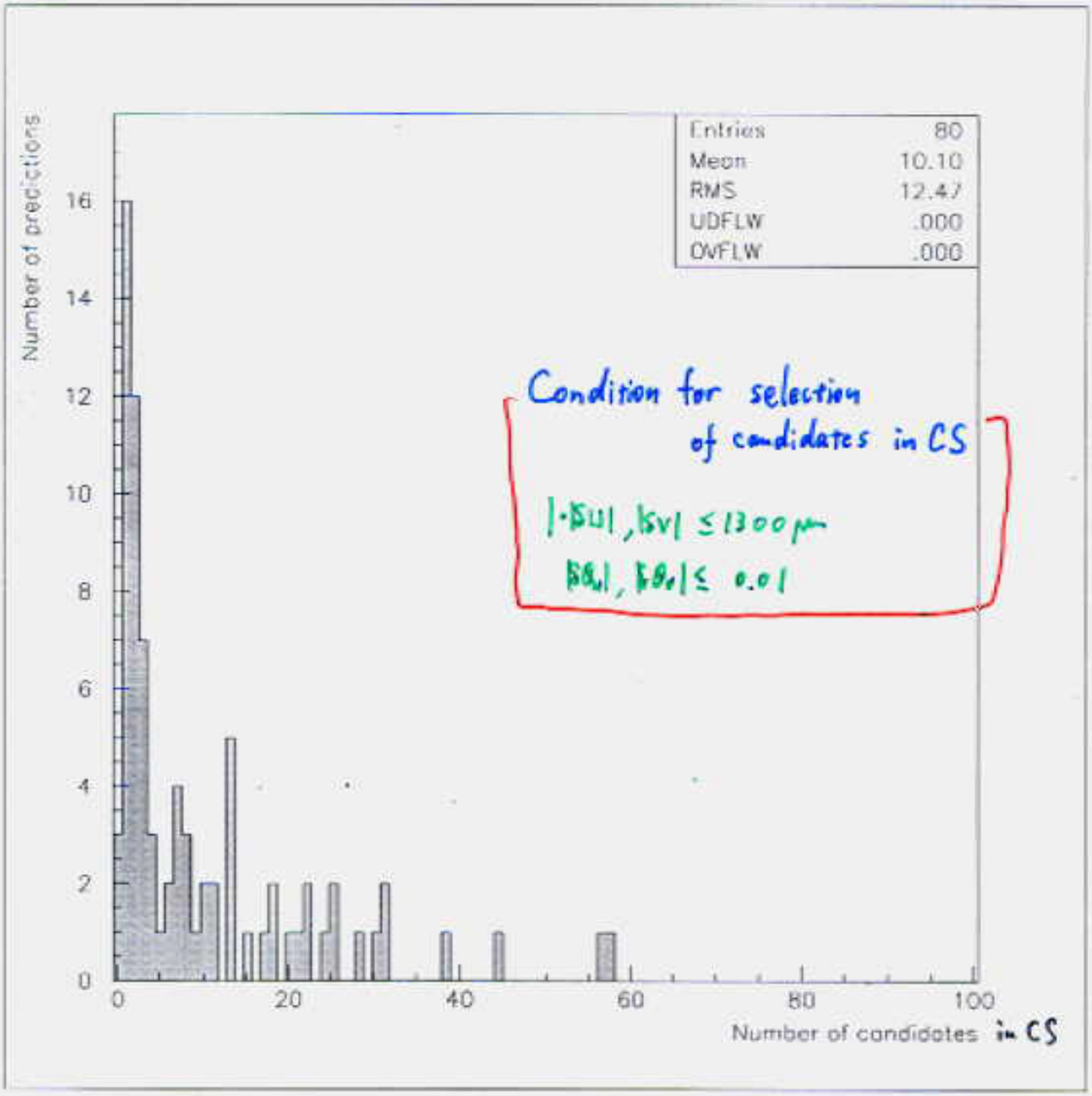


Result for NET SCAN BACK LOCATION

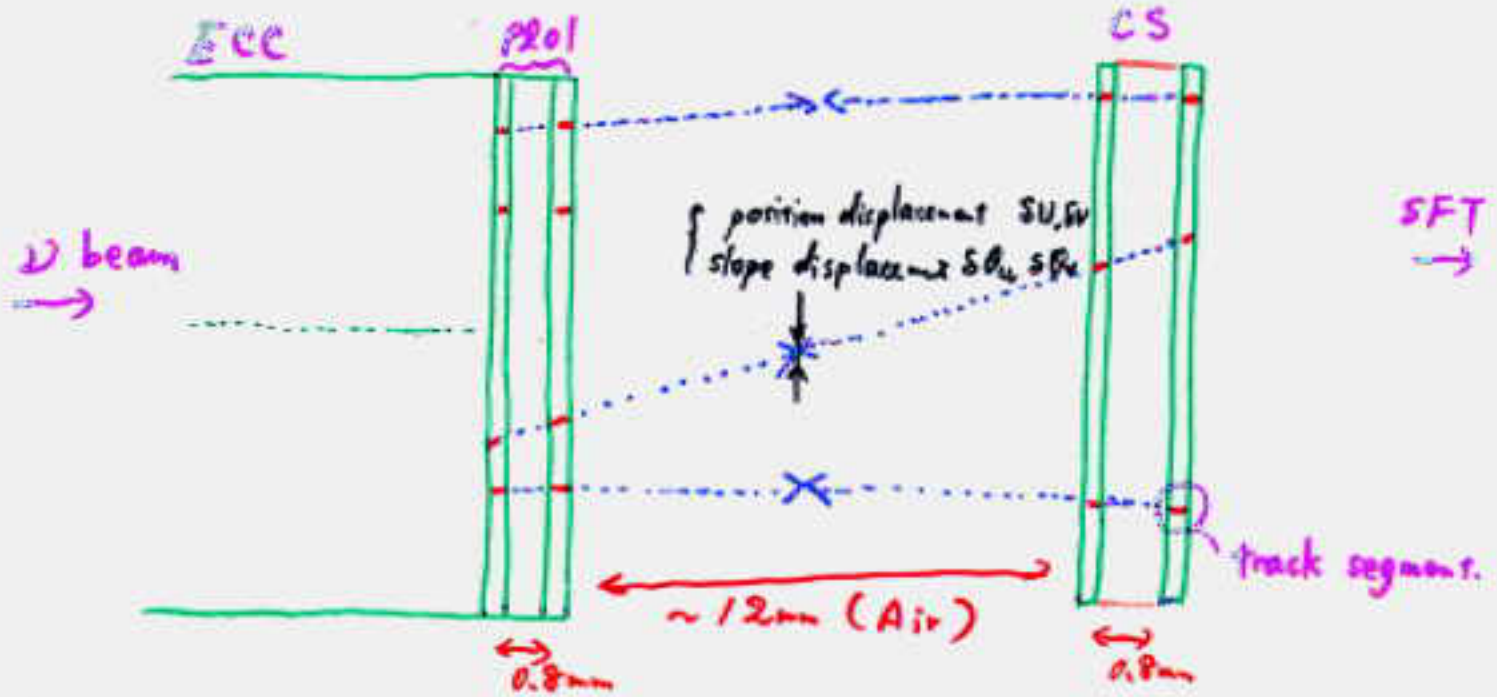


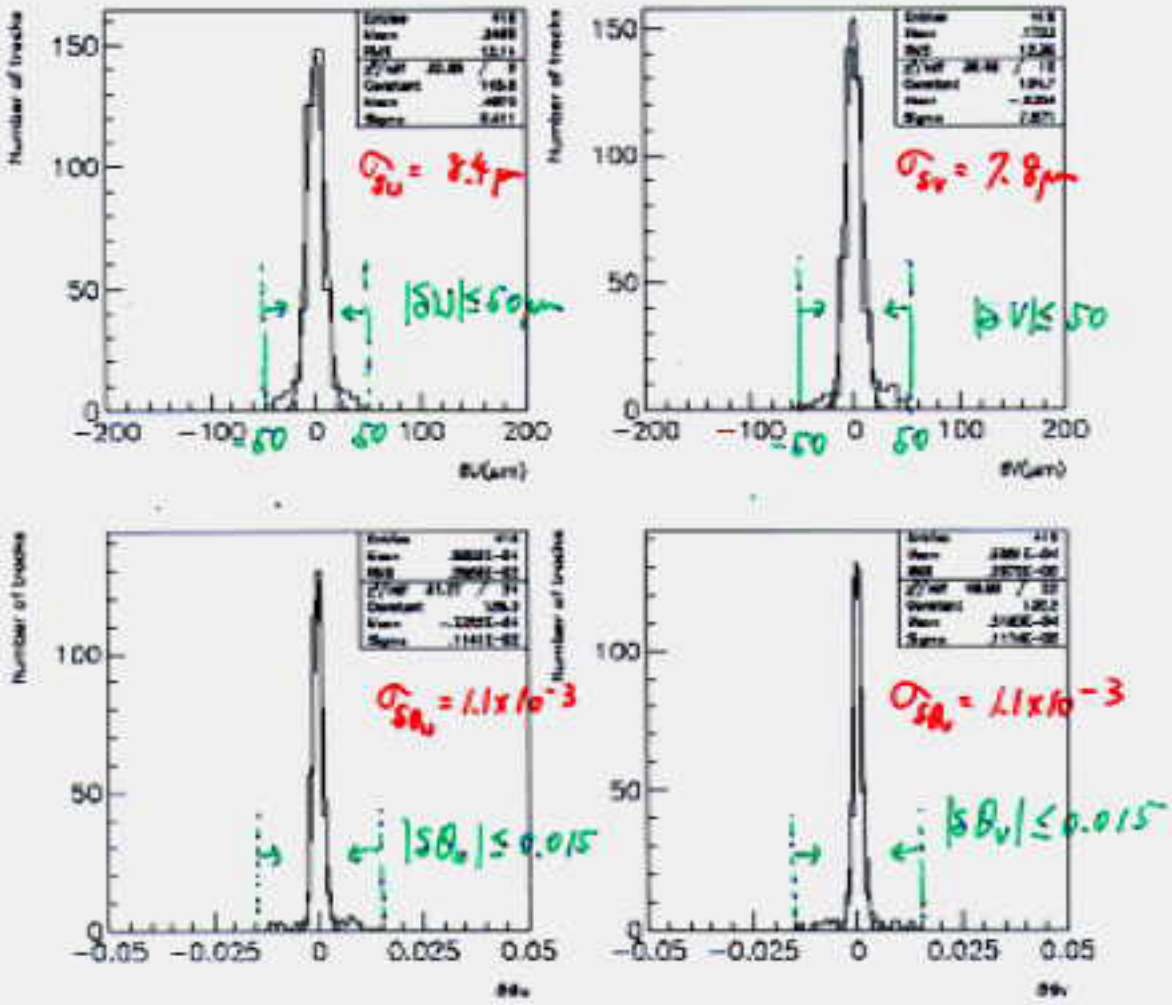
$$\text{Location Ratio} = \frac{65}{75}$$

Number of Candidates in CS.



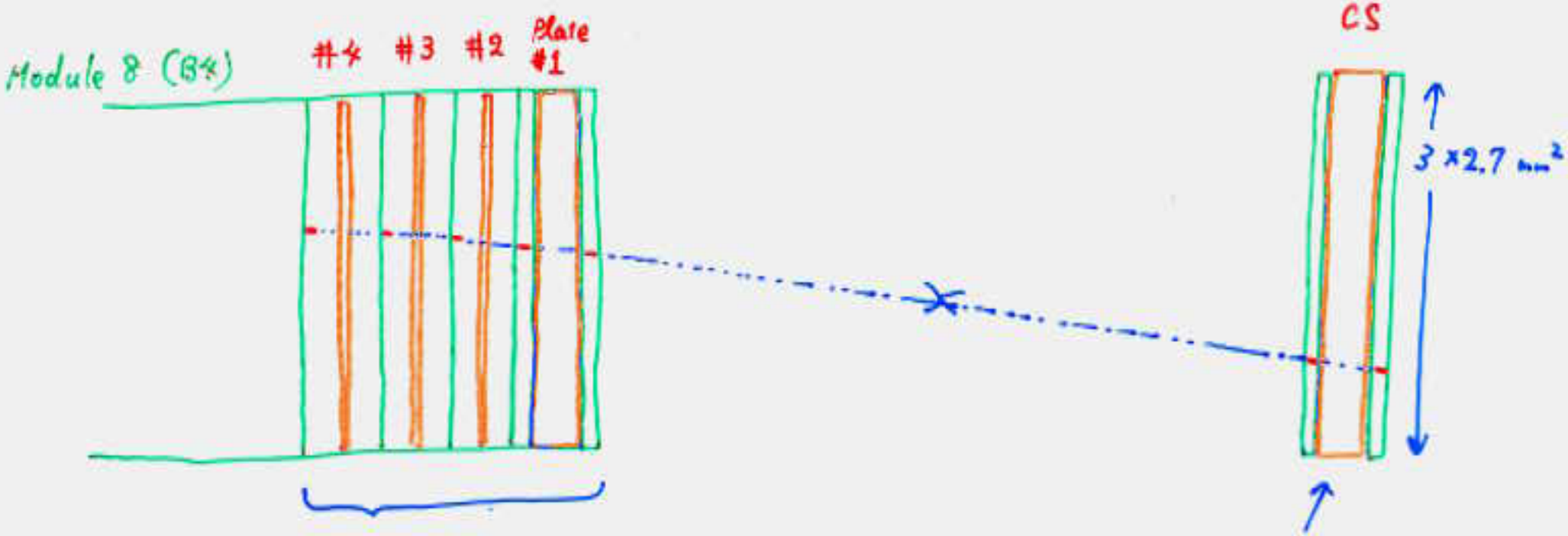
Connection between CS and Pl01





CS-SS Connection probabilty check

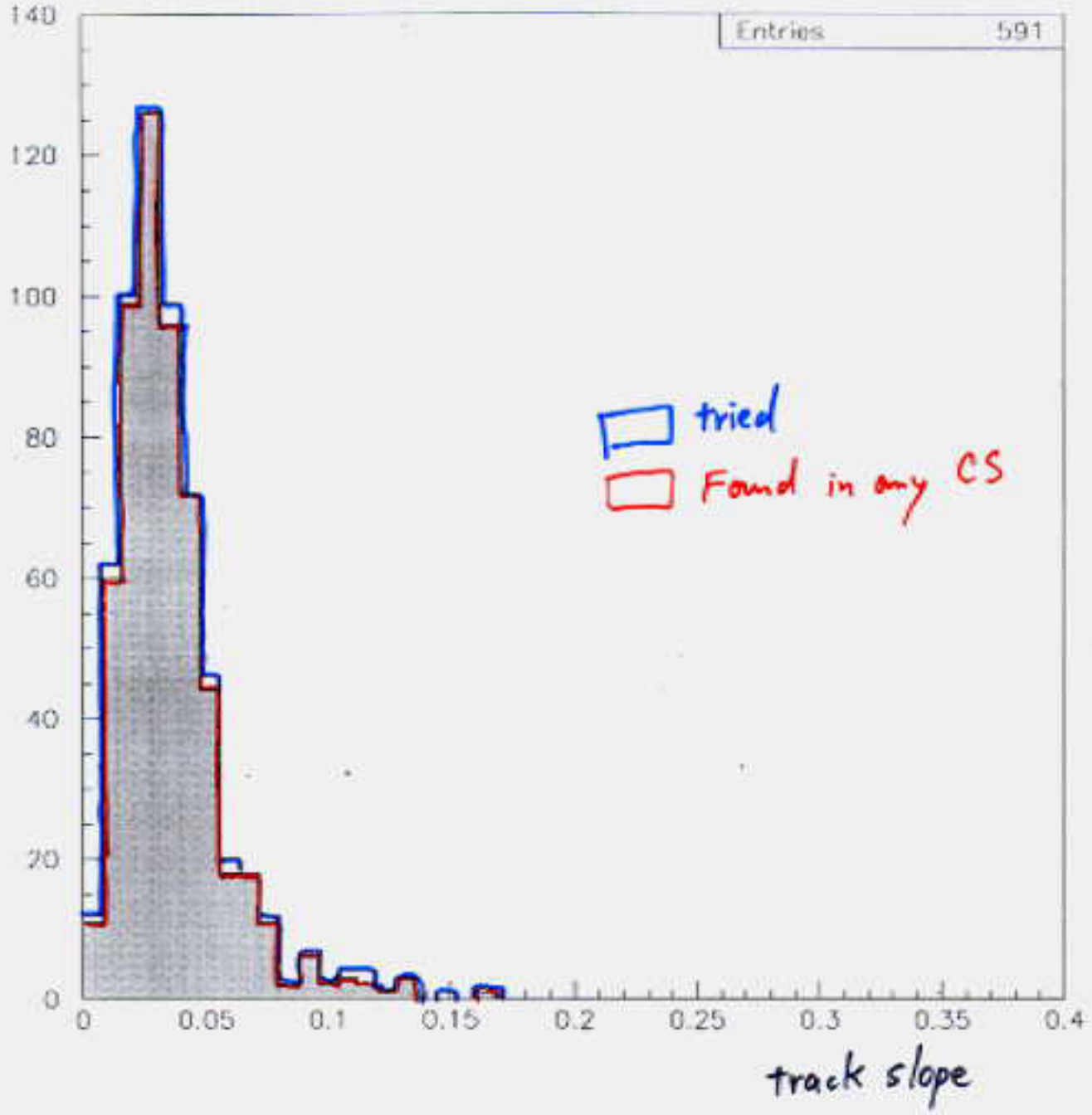
[Used DATA] 3276-02748 NETSCAN BACK LOCATION DATA.

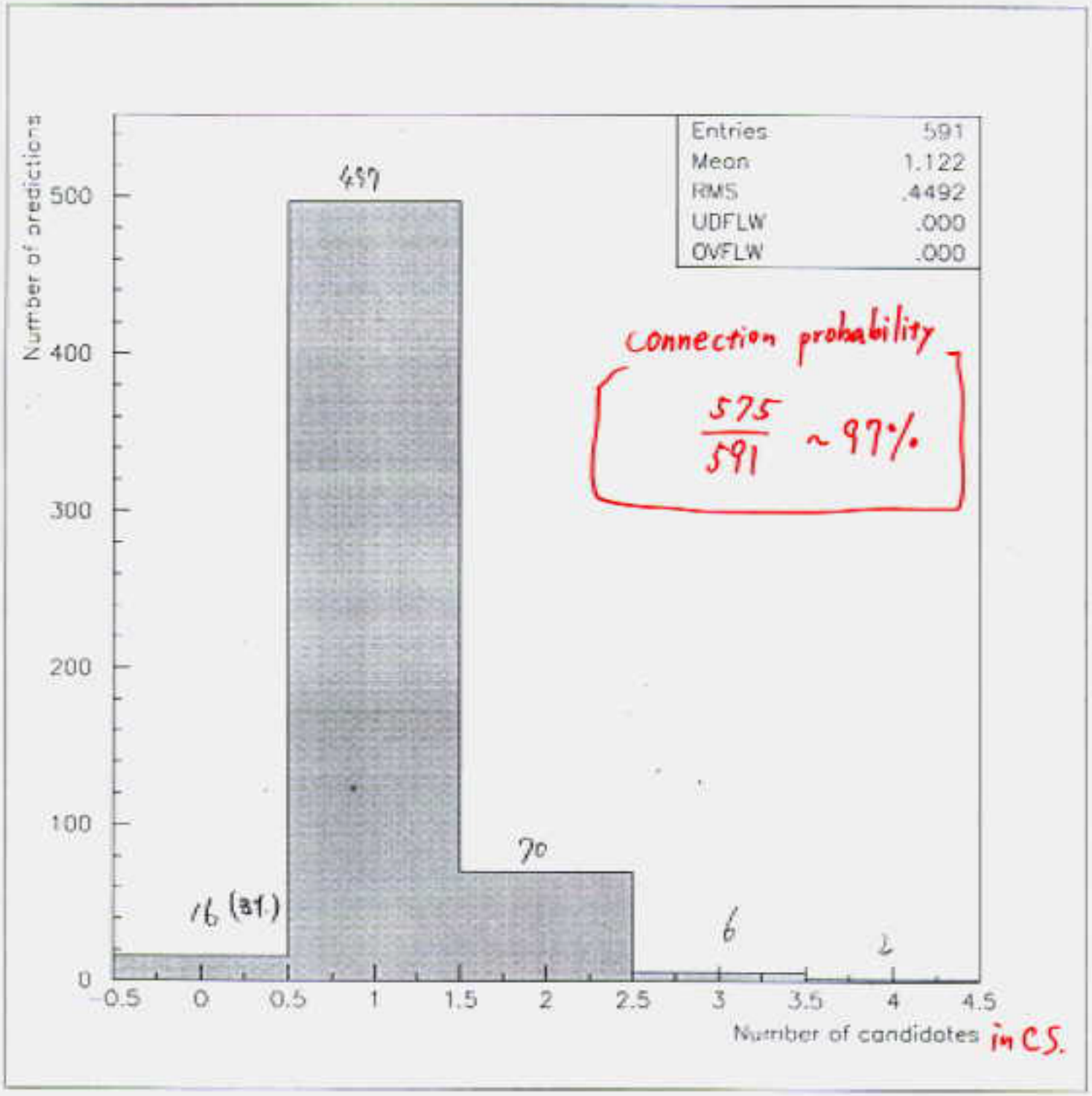


Sampling tracks

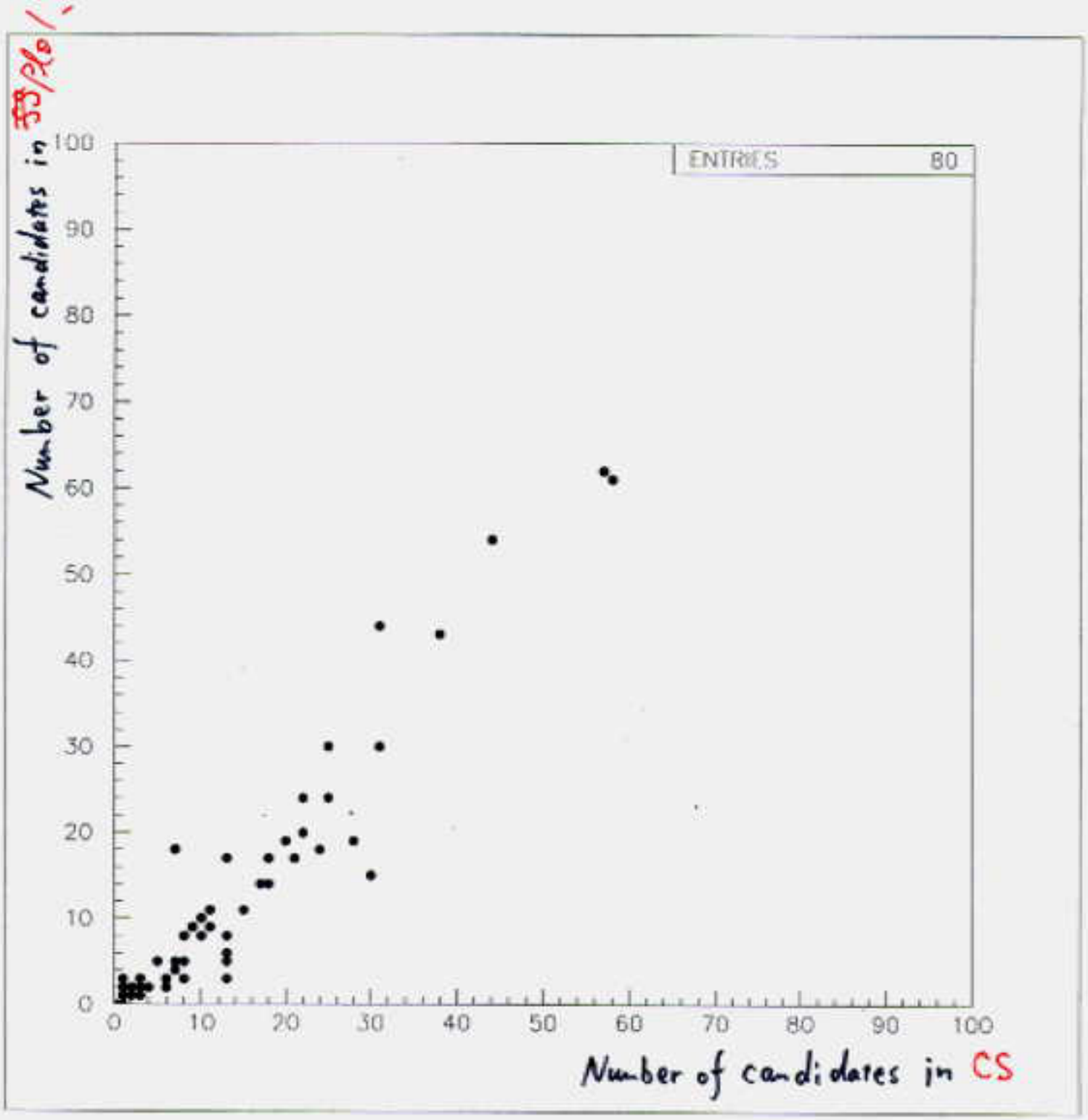
- More than 3 track segments
- In plate 1, there are track segments.

- CS in all period were scanned
- Connectable tracks were searched in all CS plates


Entries 591
140
120
100
80
60
40
20
0
0
0.05
0.1
0.15
0.2
0.25
0.3
0.35
0.4
tried
Found in any CS
track slope


Entries 591
Mean 1.122
RMS .4492
UDFLW .000
OVFLW .000
Number of predictions
Number of candidates in C5.
497
70
16 (31)
6
2
connection probability
575/591 ~97%

Isidet 搭乘

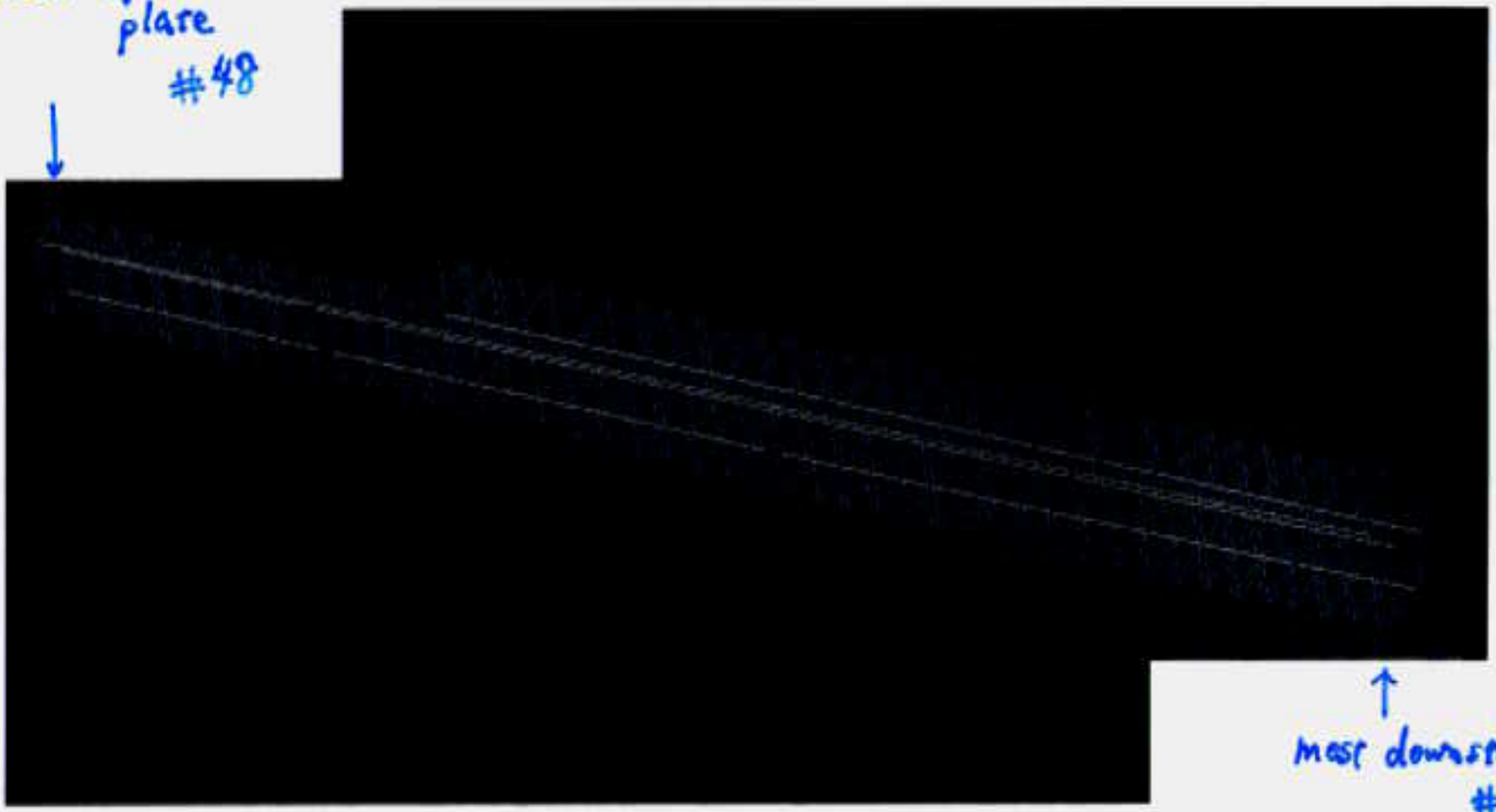


ENTRIES 80
Number of candidates in 33/Plo/
Number of candidates in CS
0
10
20
30
40
50
60
70
80
90
100

RUN/EVENT 3145- 12751

most upstream plate #48

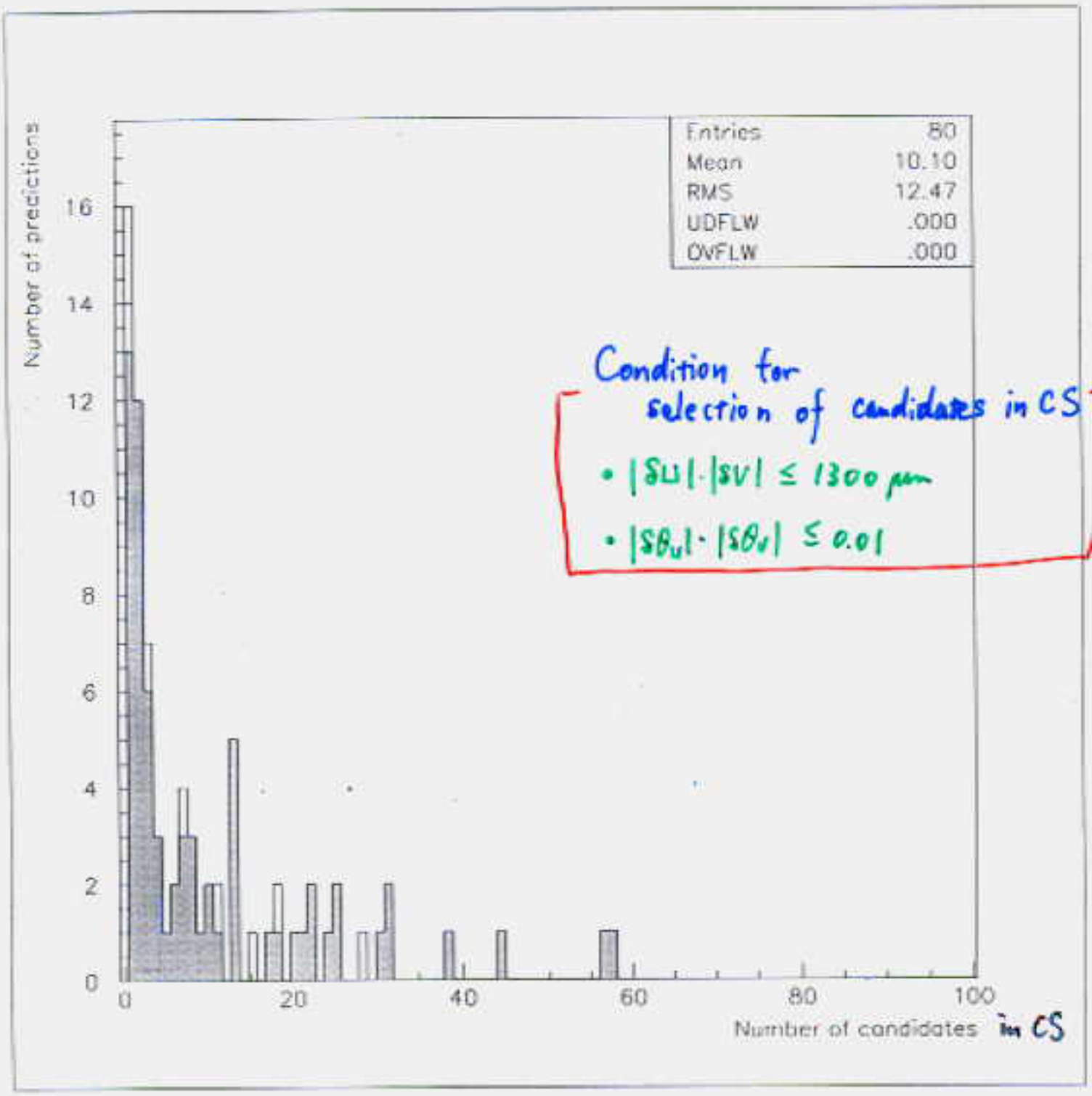
ν beam



SFT

most downstream plate #1.

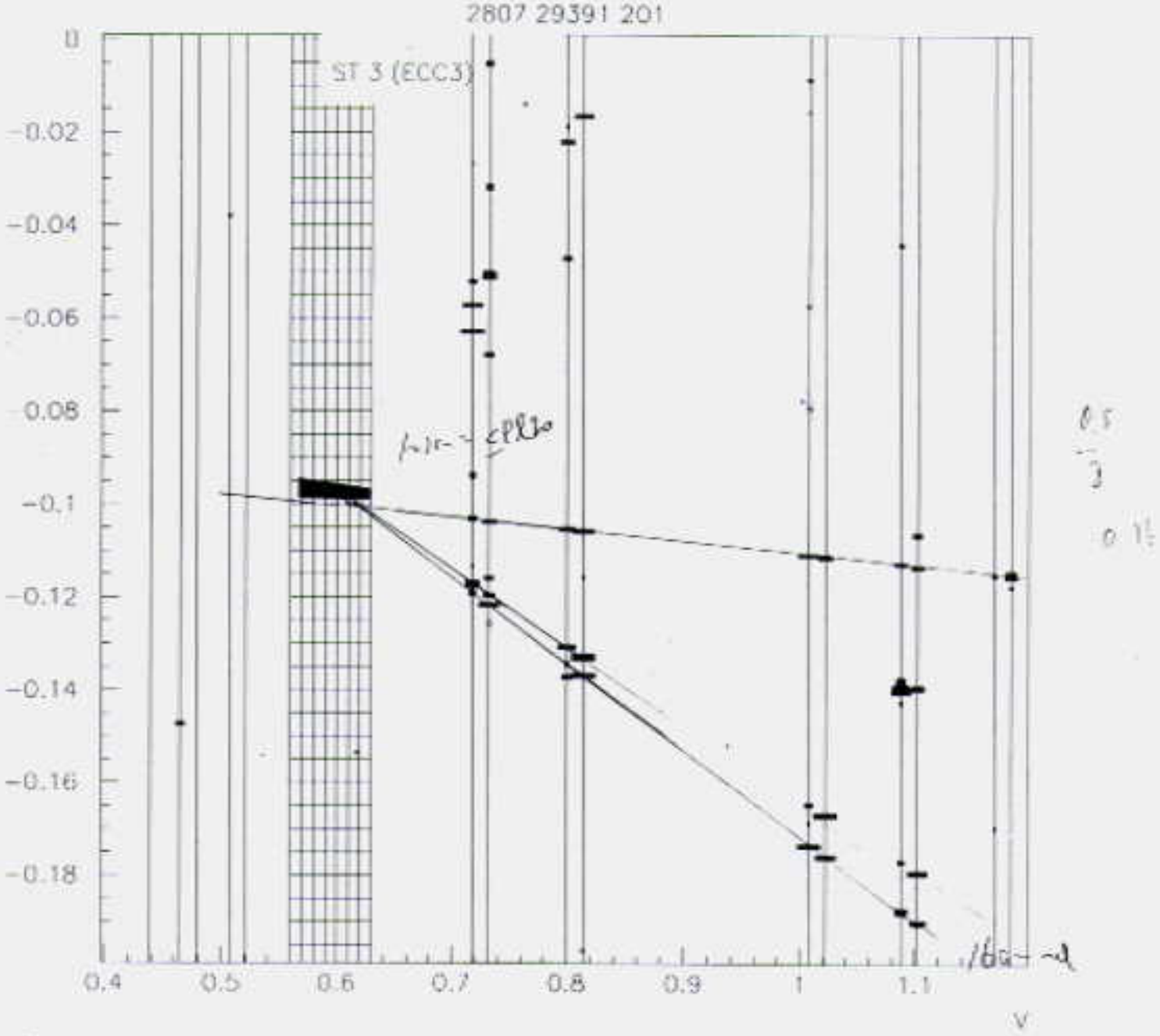
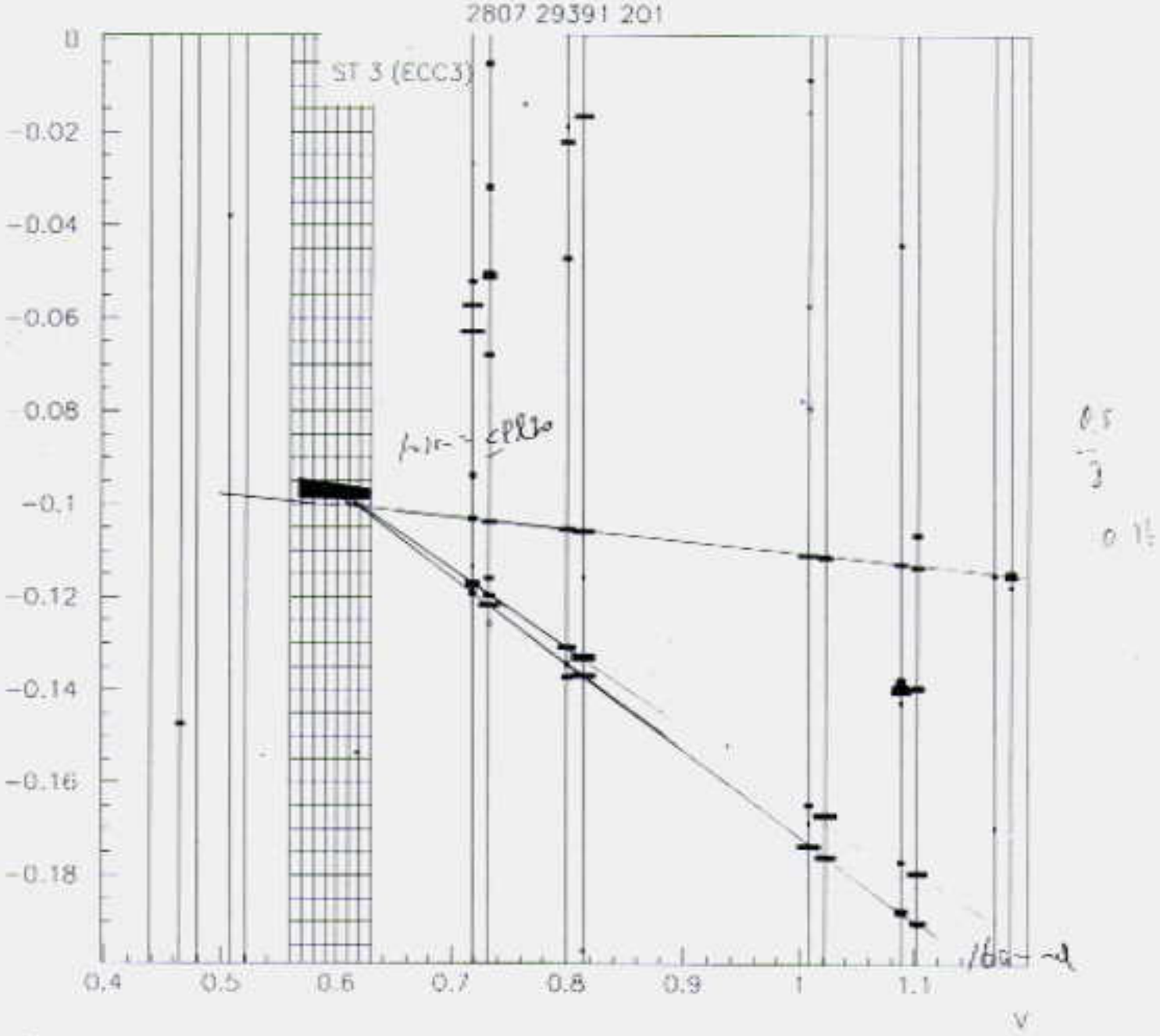
Number of candidates in CS



Condition for selection of candidates in CS

- $|\delta u| \cdot |\delta v| \leq 1300\ \mu m$
- $|\delta \theta_u| \cdot |\delta \theta_v| \leq 0.01$

Bad Prediction



Bad Prediction