

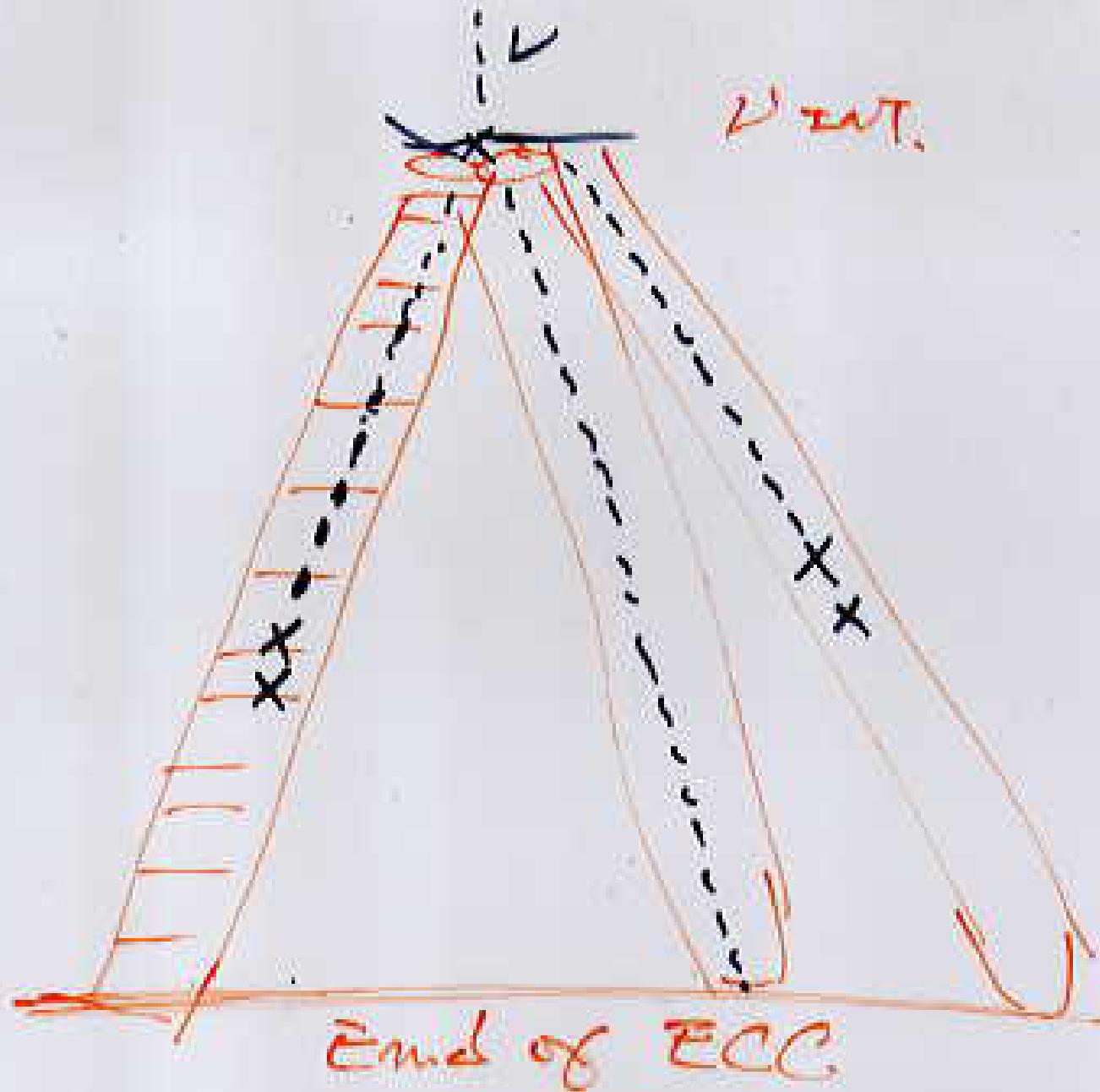
Analysed - f

2 my tracks.

Selected by Nonlinear
selection

Taken Ha & Li

Nonlocal Selection

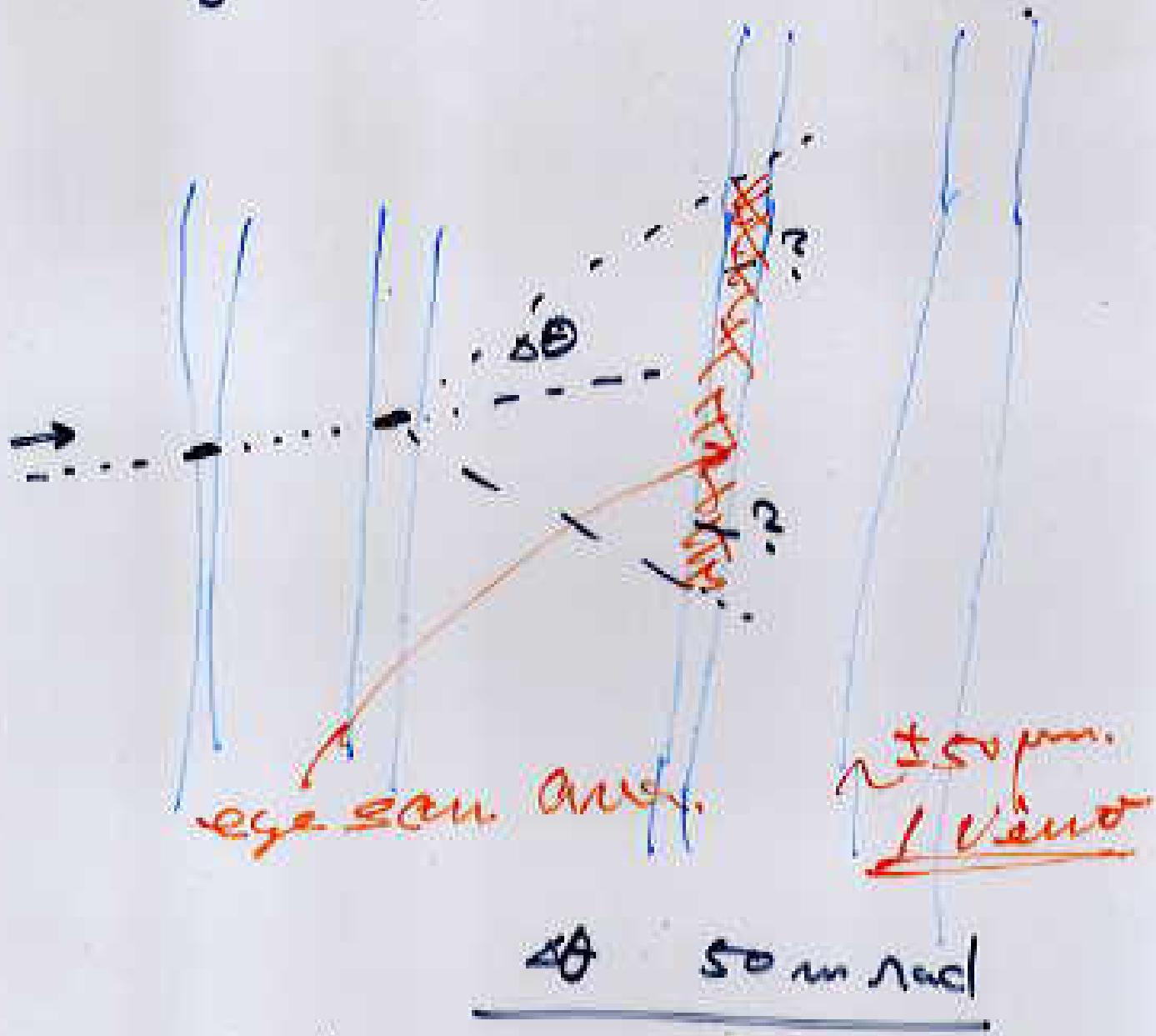


Start
404 units ~~1692~~ tracks
1668

selected 218 tracks

2 my Int.

102 tracks



IP no track

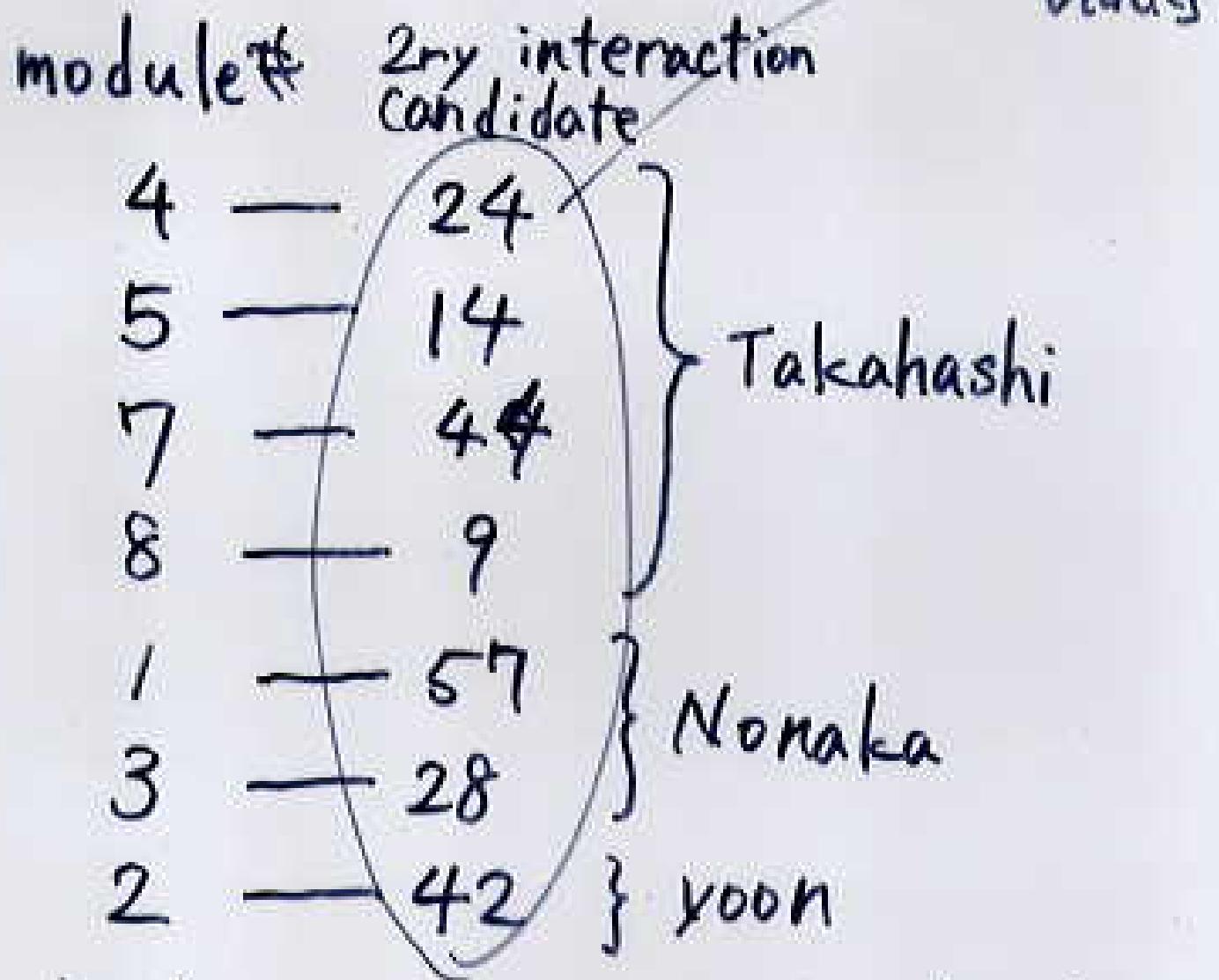
Not 2 my Int

Defined as: 2 my Int
as

Big angle kink
 $\Delta\theta > 50$
mm rad

Decay (?)

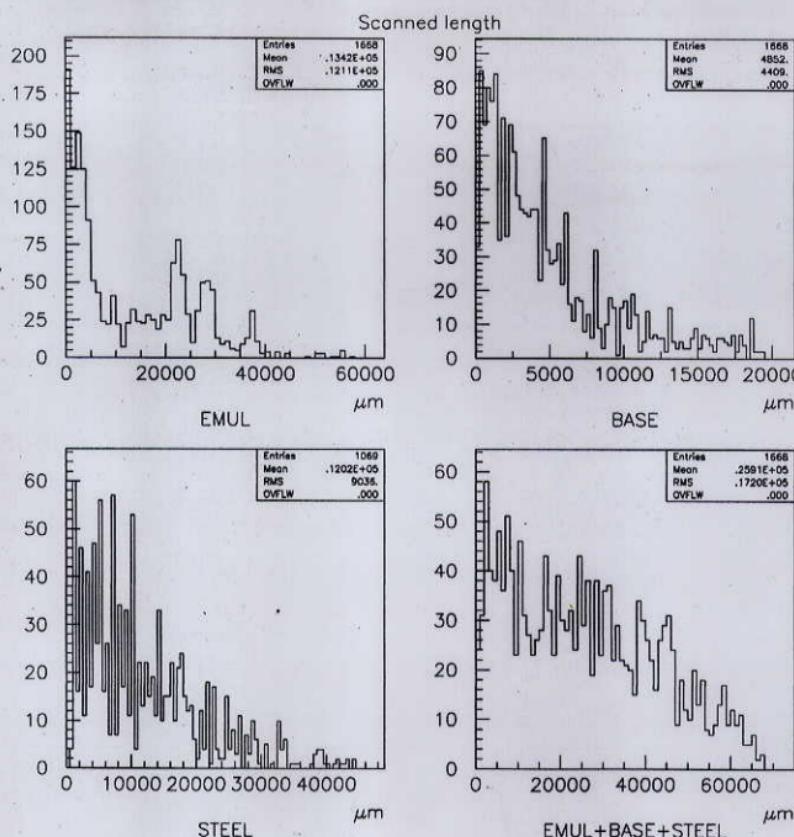
The Way to search



check 3D-Viewer — pass through 29
↓
 $218 - 79 = \boxed{140}$ Side edge 3d

eye check ————— 2ry interaction
|———— kink
|———— electron
|———— slow particle (e⁻, p)
|———— etc

Distribution of length of 1ry interaction tracks
from 1ry vertex to most down plate



interaction length	emulsion (Ilford emulsion: G5)	Base (Lucite: $\text{C}_5\text{H}_{10}\text{O}_3$)	steel (Fe)
λ_I (cm)	35.12	70.85	16.76

Result

2nd interaction — 102

in cluster
big angle kink

kink — 7

$\angle \theta \leq 5^\circ$, mind

pass through — 39

by 3D viewer

area side edge — 38

$\theta > 94^\circ$

angle side edge — 2

electron/IT-on.

very low momentum — 1

{ nuclear forces and
low momentum
proton

black — 9

electron — 4

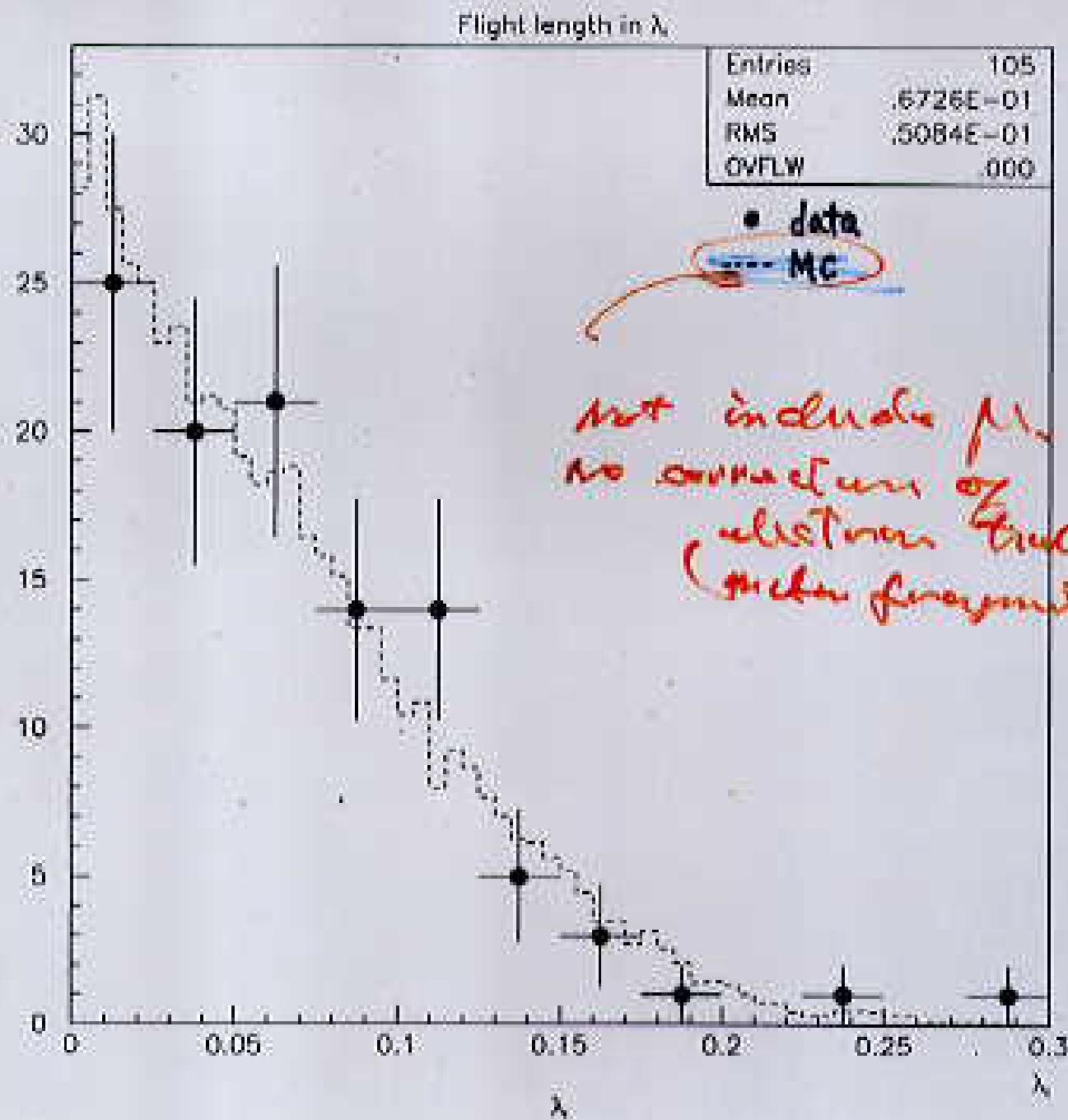
not yet — 16

Die + ?

total 218

shower
tracks

Distribution of flight length of 2ry interaction tracks from 1ry vertex to secondary interaction plate include fake



Procedure and result

expected number

132

No contamination

electron/matter fragments

observed number

116

Statistical

(2 sig. digit)
trials

± 10%

Q factors phase

2 sig. digit analysis

- * Daughter trials pick up
- * Small counts per single analysis