Decay search

				offline selection	Manual check.
85 events	NS ≥ 2 : 44 events	Long large	→	2	~~0~~
		Long small	→	1	0
		2ry search	→	15	~~0~~
		D^0 search	→	5	~~0~~
	NS = 1 : 41 events	Long small	→	7	0
		Parent search	→		0
		Short decay search	→		0

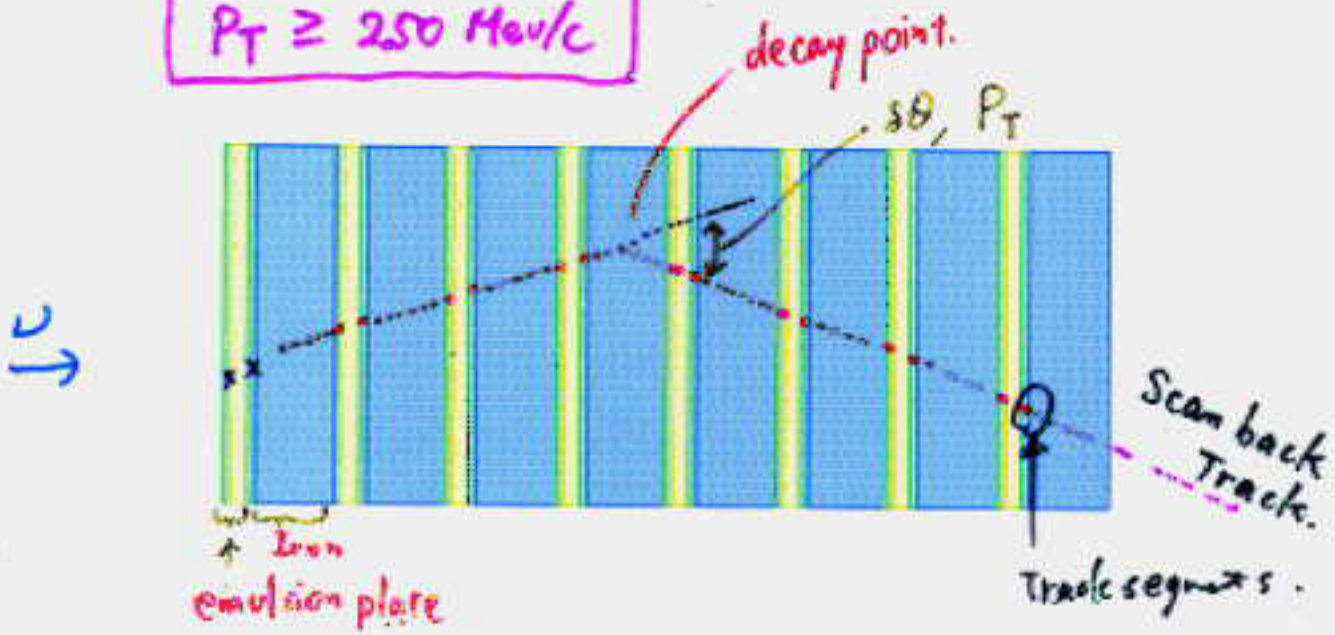
τ粒子崩壊探索

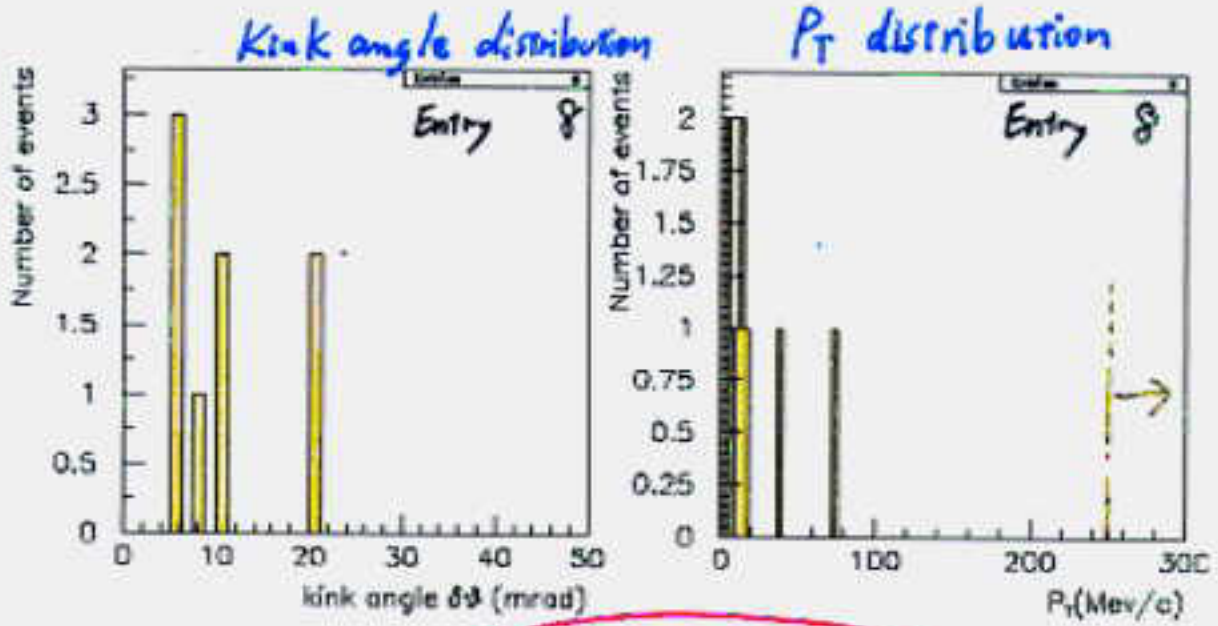
— Small kink search —

Condition

$\delta\theta \geq 5$ mrad

$P_T \geq 250$ Mev/c



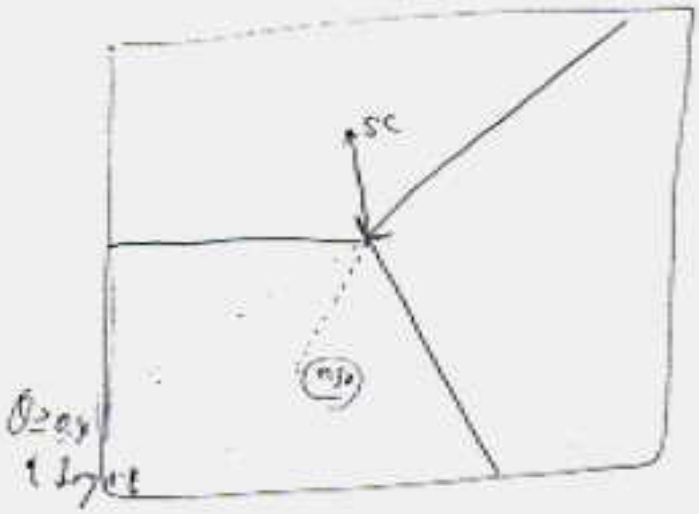


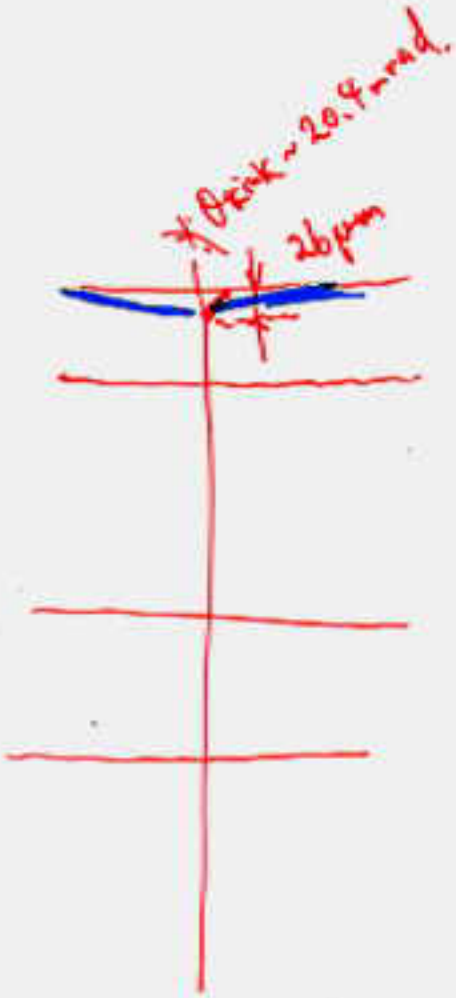
No candidate

3182-10057

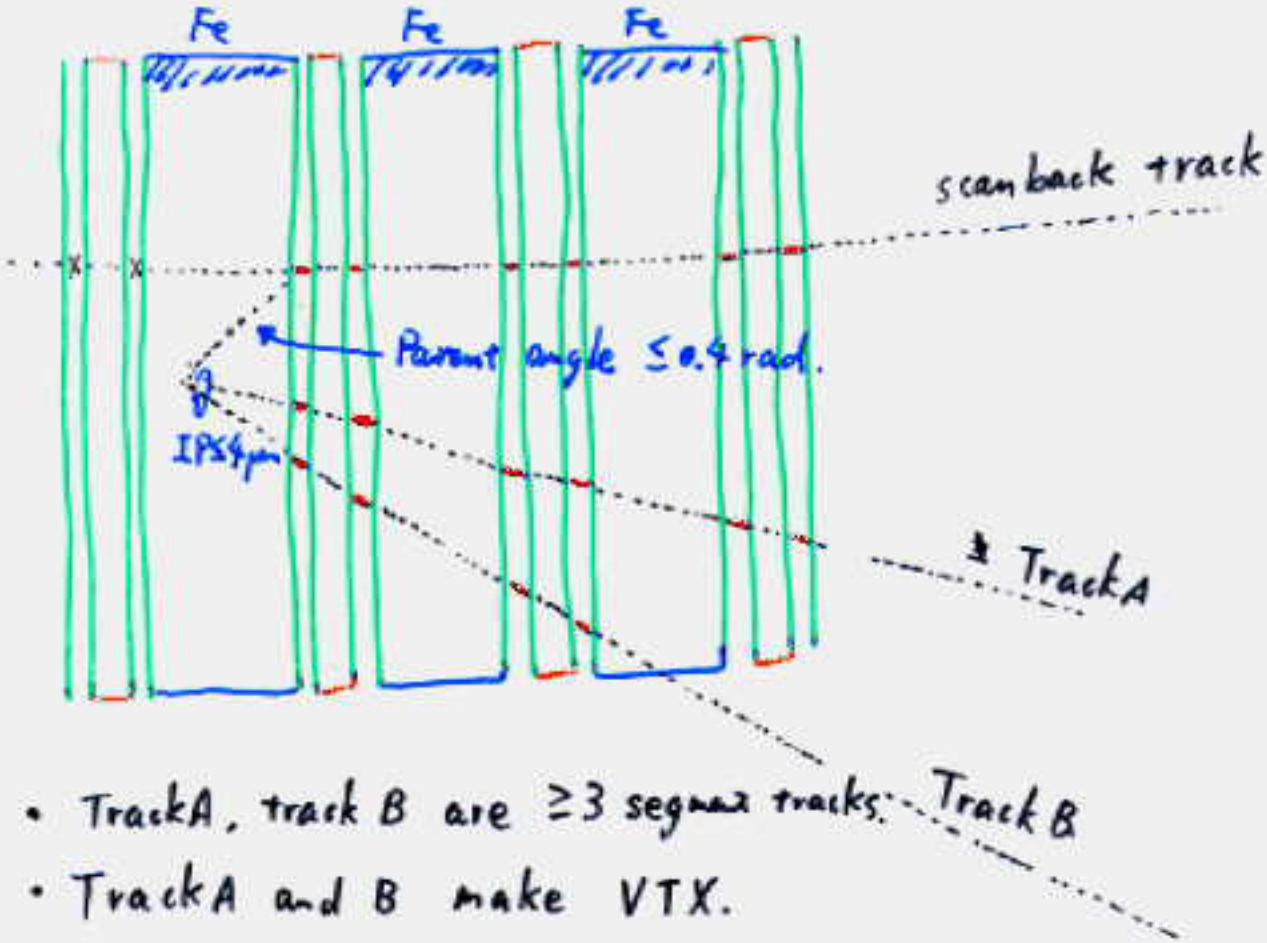
p_T ~80 MeV/c

(-0.93, -0.15)





Short Decay Search.



- TrackA, track B are ≥3 segment tracks.
- TrackA and B make VTX.

— Result —

8 candidates

↓

Track A and Track B were checked by eye.

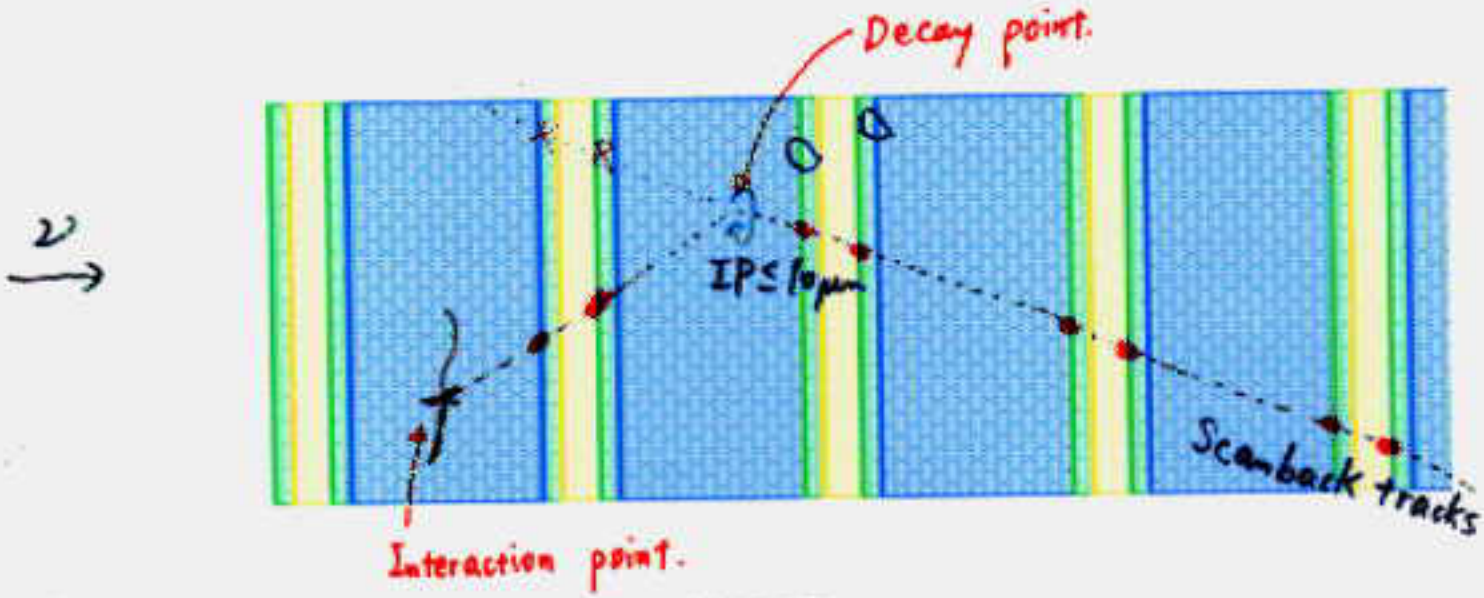
↓

Both tracks were penetrating tracks.	8
One track were real stopped track	0
Both were real stopped tracks.	0

Parent search

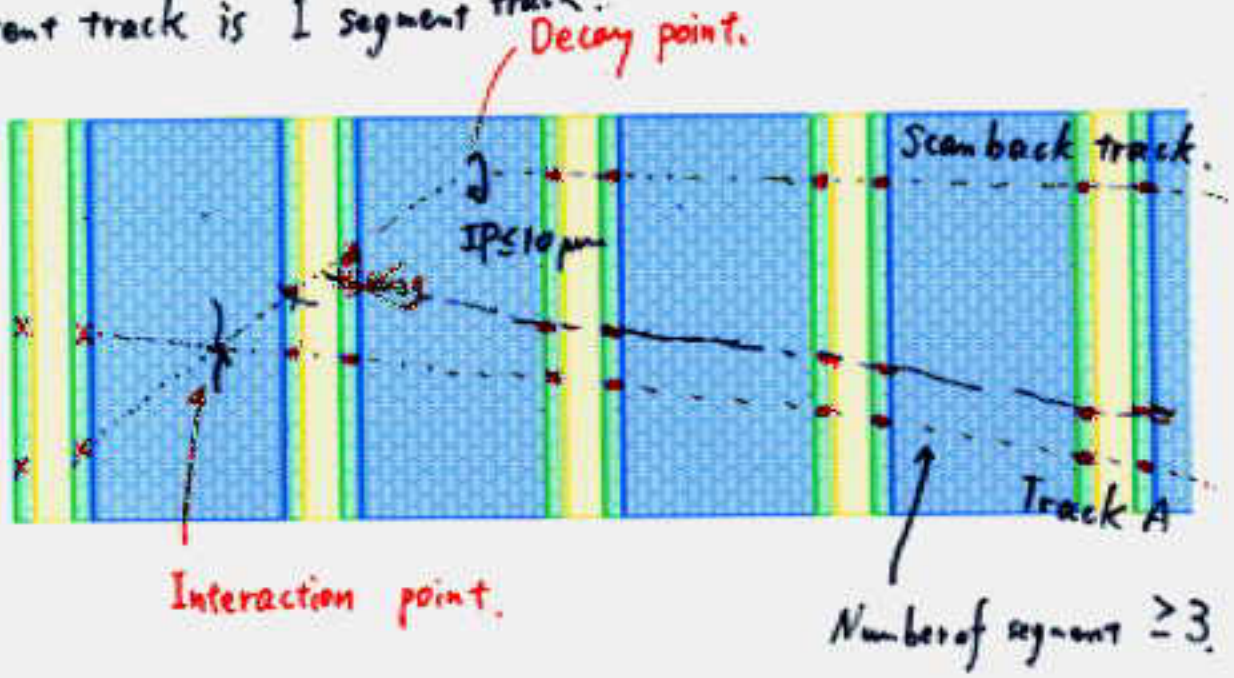
[Case I]

Parent track is more than 2segment track.

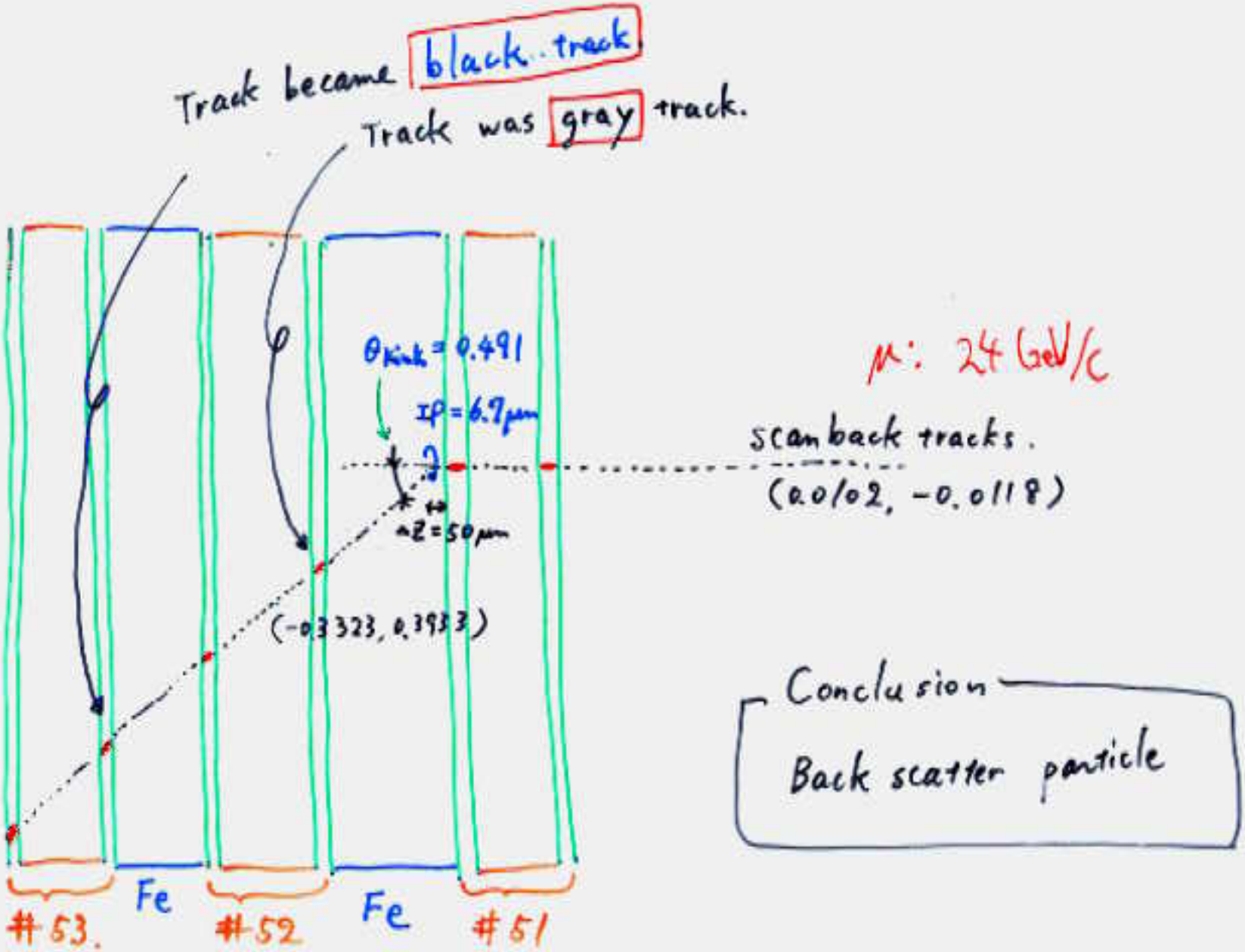


[Case II]

Parent track is 1 segment track.

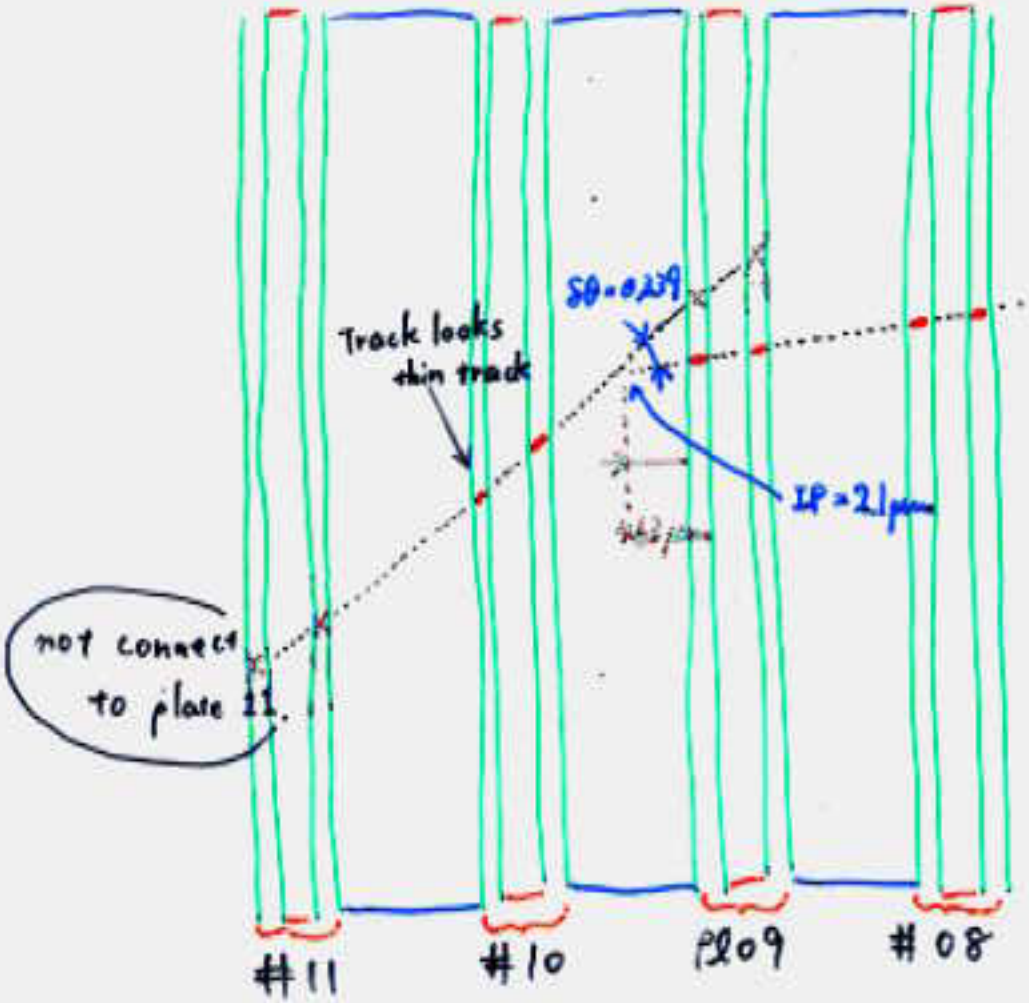


3340-15043


Track became black track.
Track was gray track.
θKink = 0.491
IP = 6.7μm
scanback tracks.
(0.0102, -0.0118)
Δ2 = 50μm
(-0.3323, 0.3933)
μ: 24 GeV/c
Conclusion
Back scatter particle
Fe
Fe
#53
#52
#51

2807- 29391

slop



Scan back tracks

$P = 14.1^{+9.5}_{-4.2}$ GeV/c

18 GeV/c

- Parent exists in only 1 plate.
- $P_T \sim 4.8$ GeV/c (?)

⇩

Parent track candidate is cosmic ray (?)

[Case II]

31 candidates

Penetrating	31
Stop	~~0~~