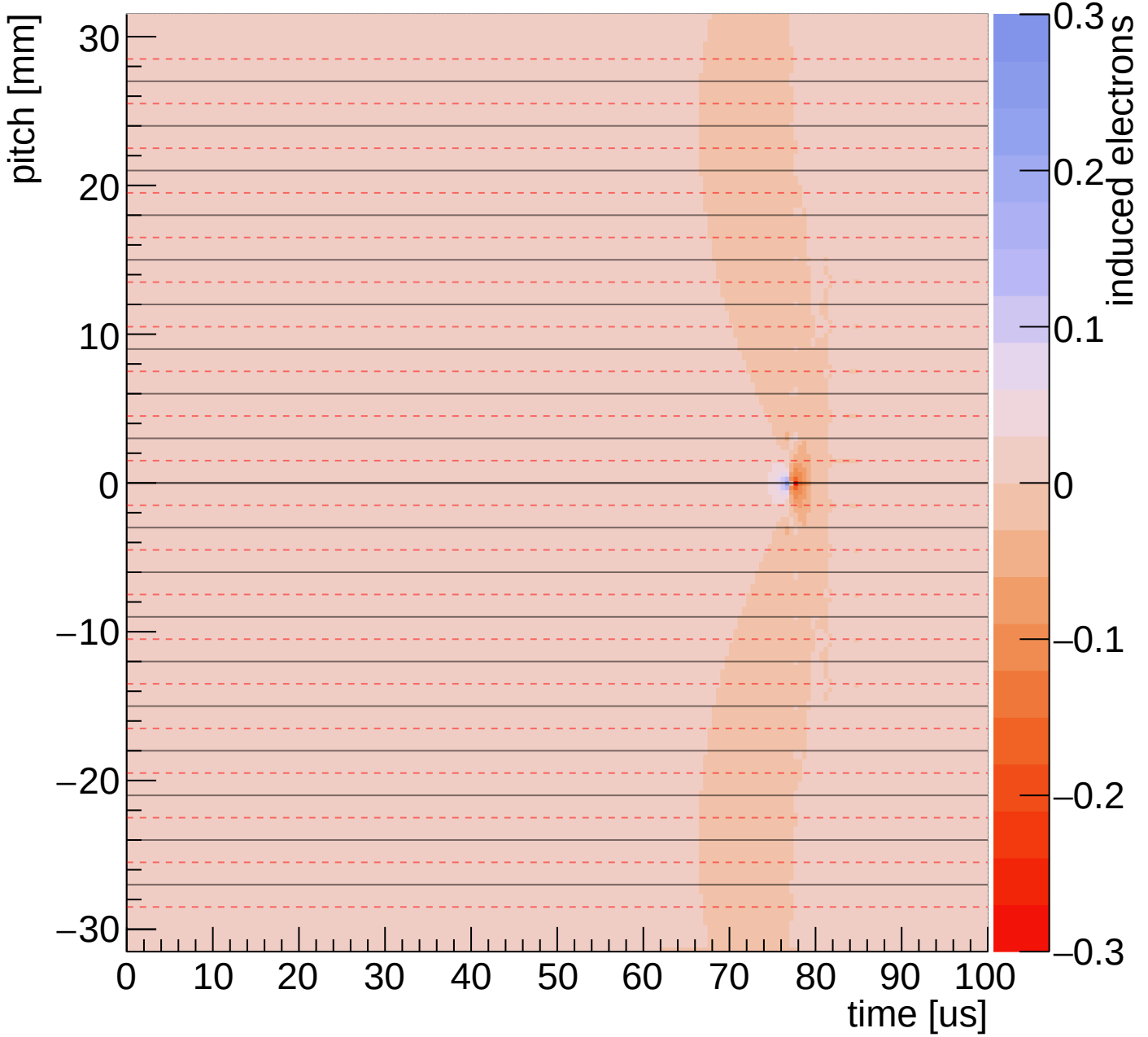
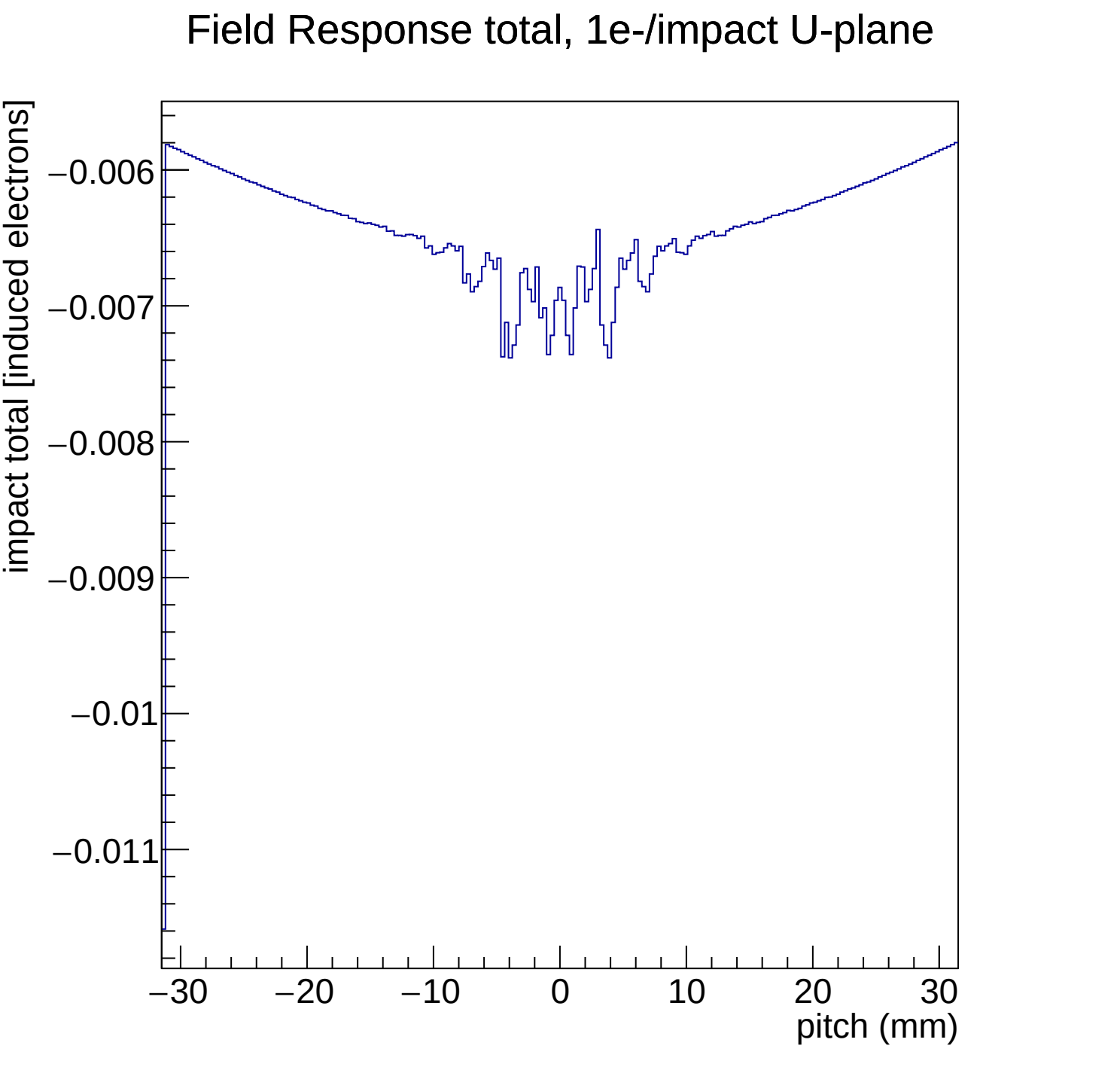
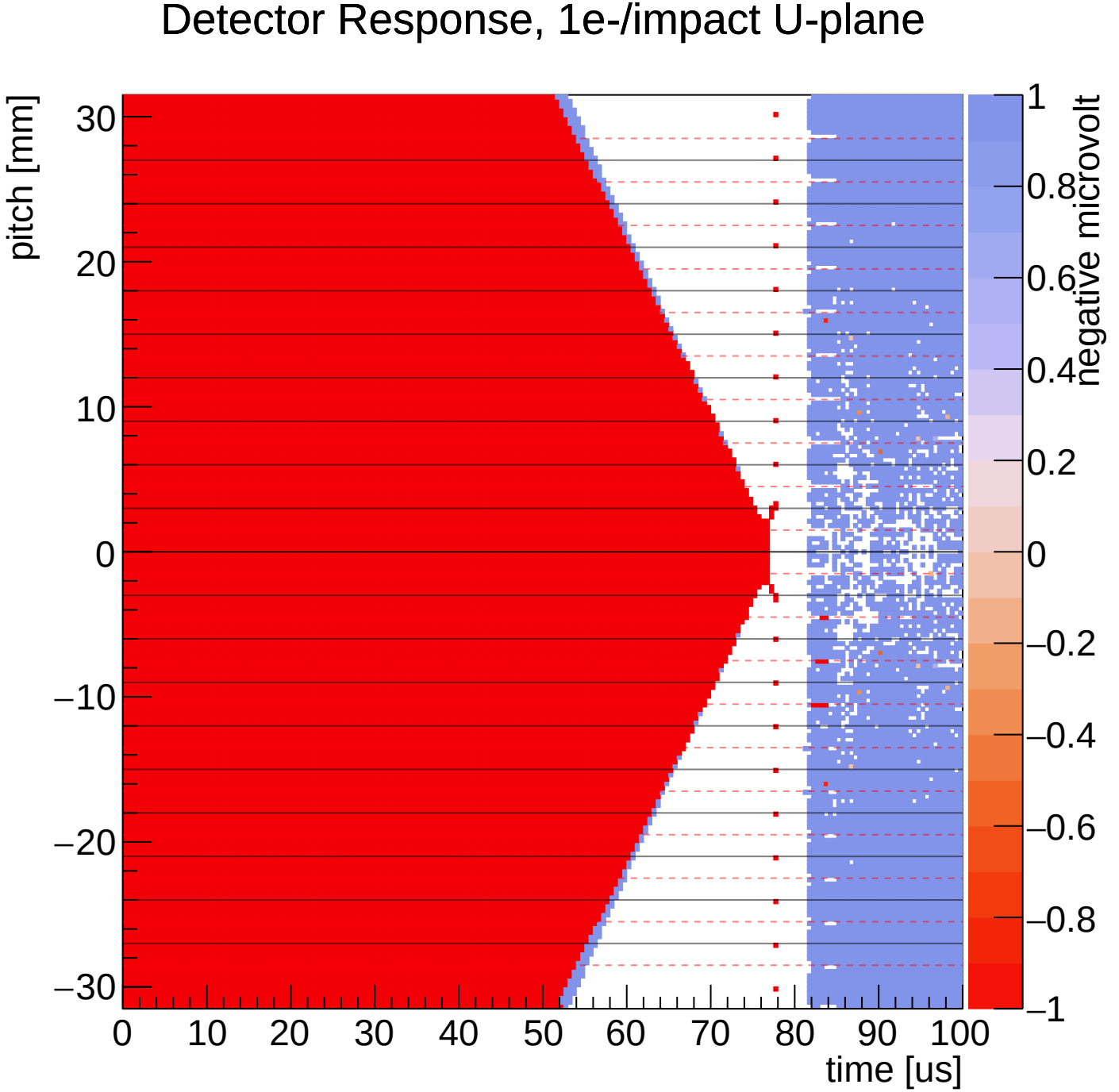
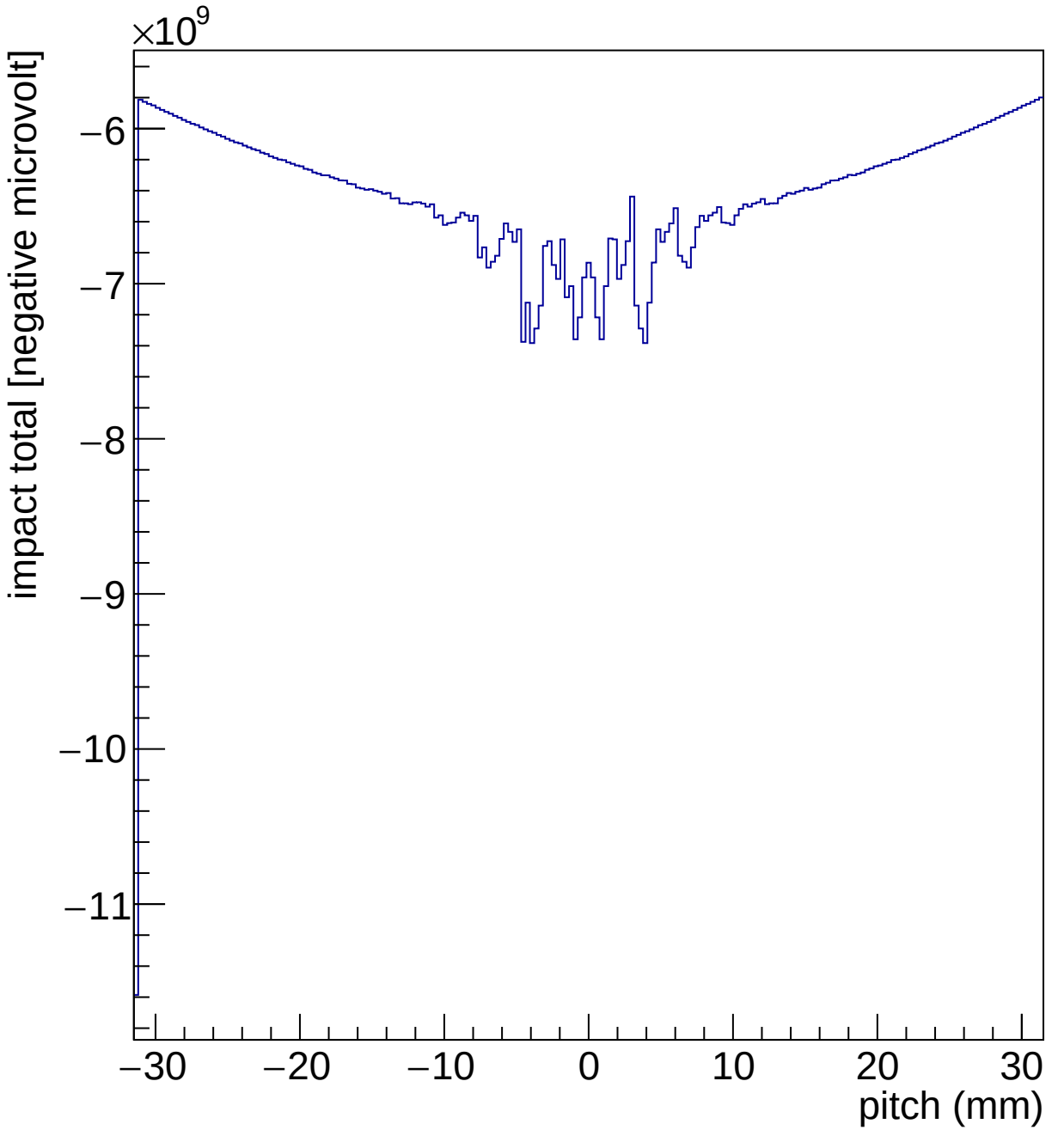
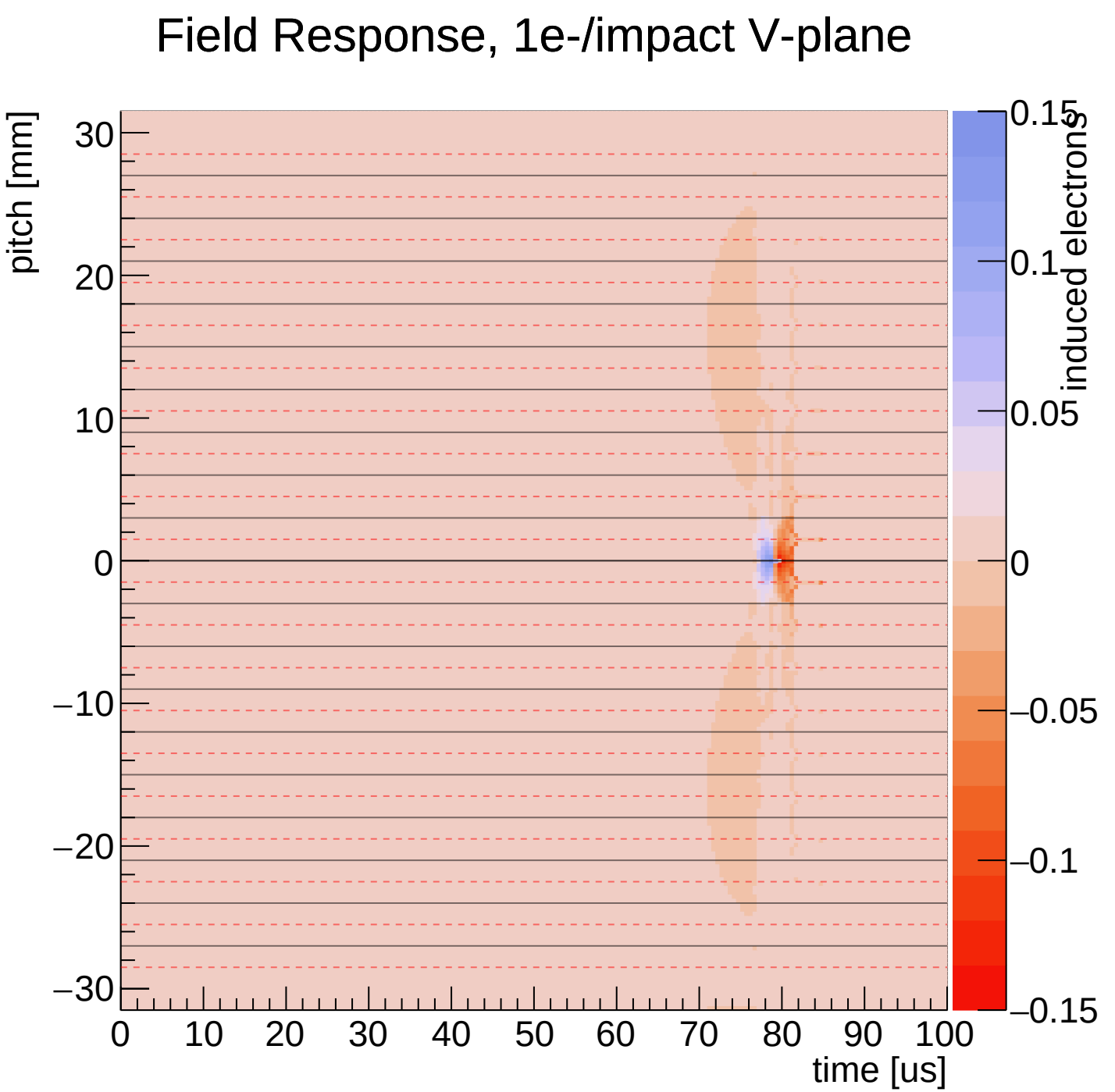
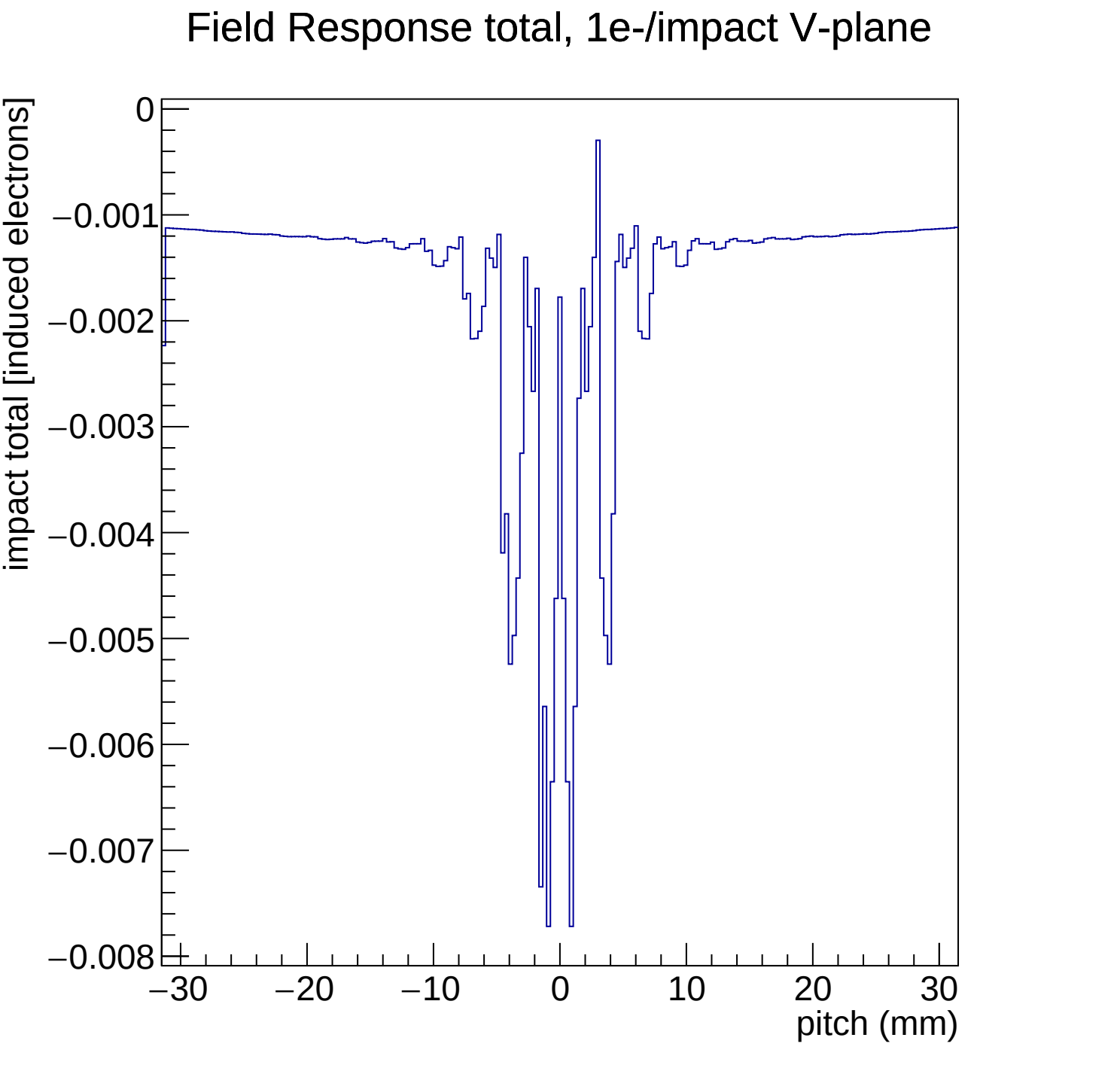

Field Response, 1e-/impact U-plane
pitch [mm]
30
20
10
0
−10
−20
−30
0
10
20
30
40
50
60
70
80
90
100
time [us]
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
induced electrons

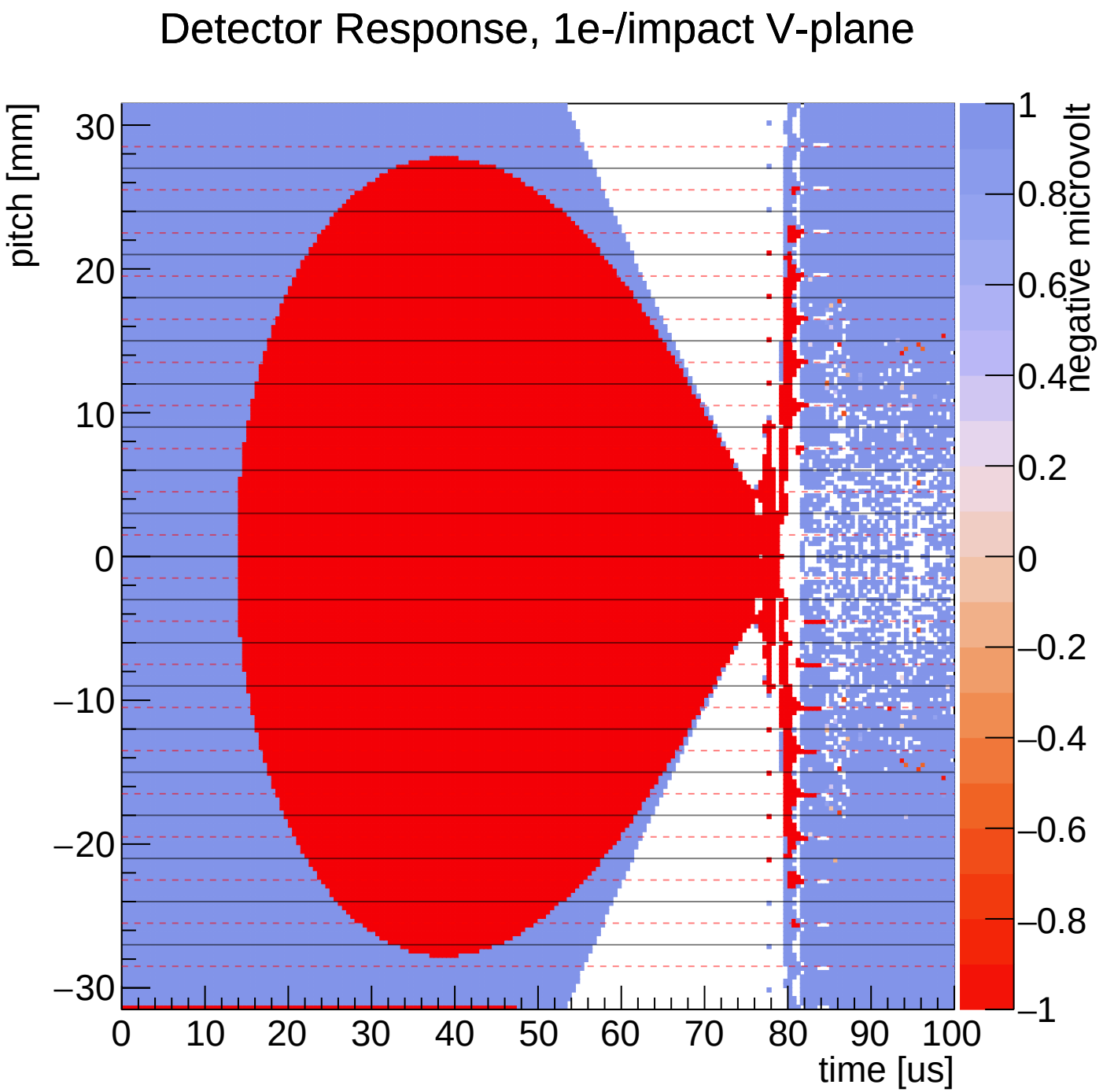

Field Response total, 1e-/impact U-plane
impact total [induced electrons]
−0.006
−0.007
−0.008
−0.009
−0.01
−0.011
−30
−20
−10
0
10
20
30
pitch (mm)

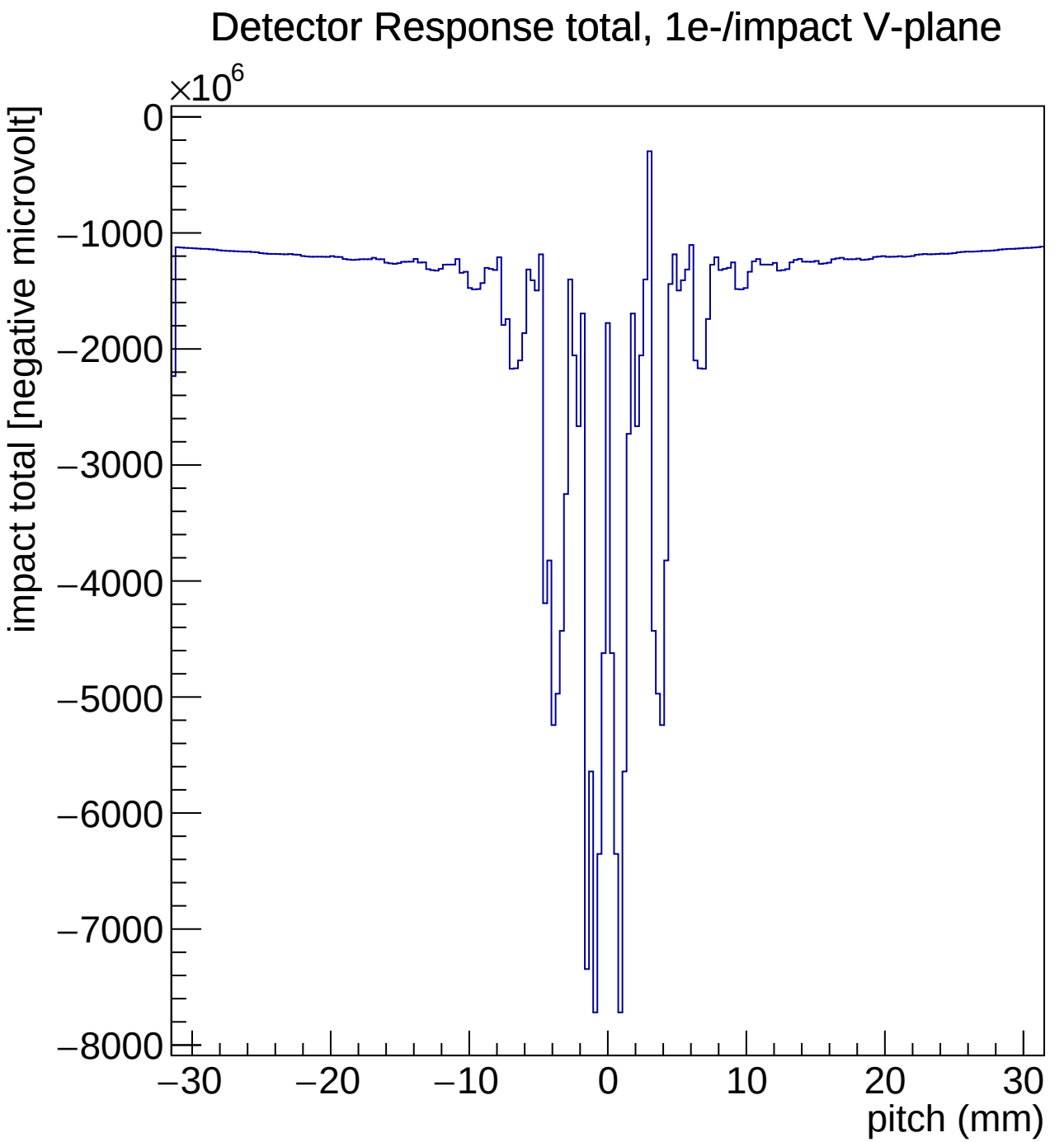

Detector Response, 1e-/impact U-plane
pitch [mm]
30
20
10
0
−10
−20
−30
0
10
20
30
40
50
60
70
80
90
100
time [us]
negative microvolt
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

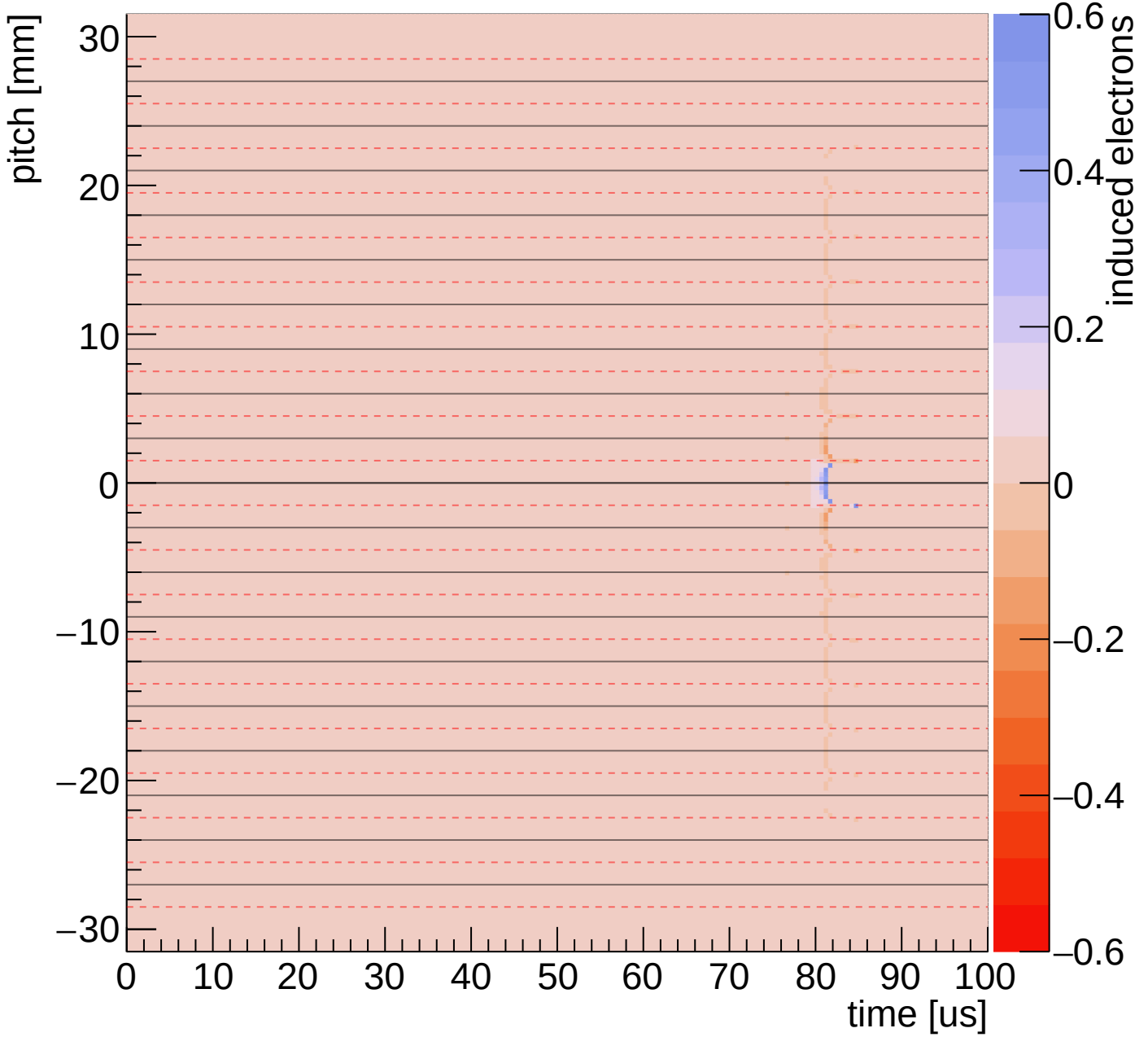

Detector Response total, 1e-/impact U-plane
×10^9
impact total [negative microvolt]
−6
−7
−8
−9
−10
−11
−30
−20
−10
0
10
20
30
pitch (mm)

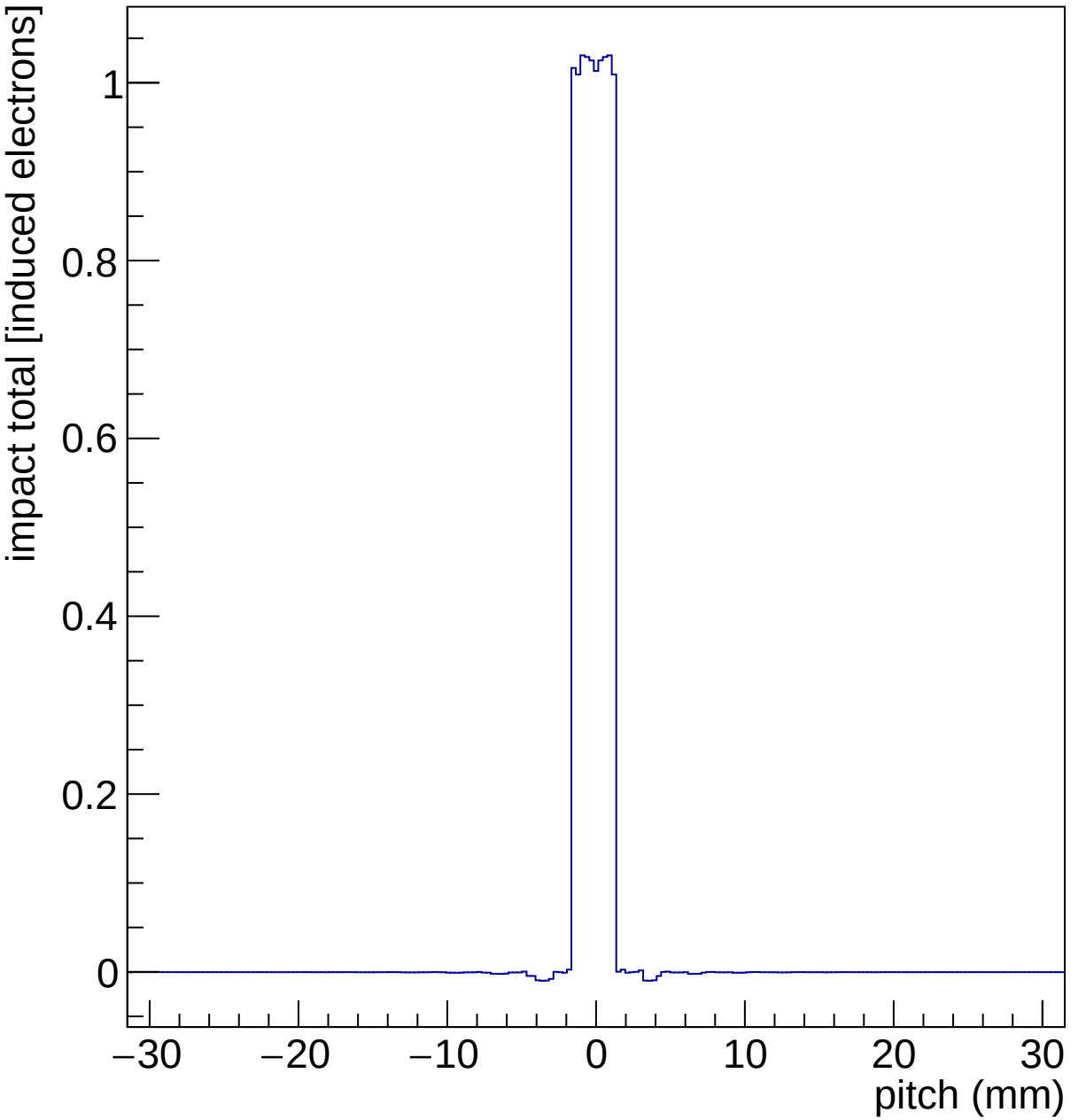

Field Response, 1e-/impact V-plane
pitch [mm]
30
20
10
0
−10
−20
−30
0
10
20
30
40
50
60
70
80
90
100
time [us]
induced electrons
0.15
0.1
0.05
0
−0.05
−0.1
−0.15

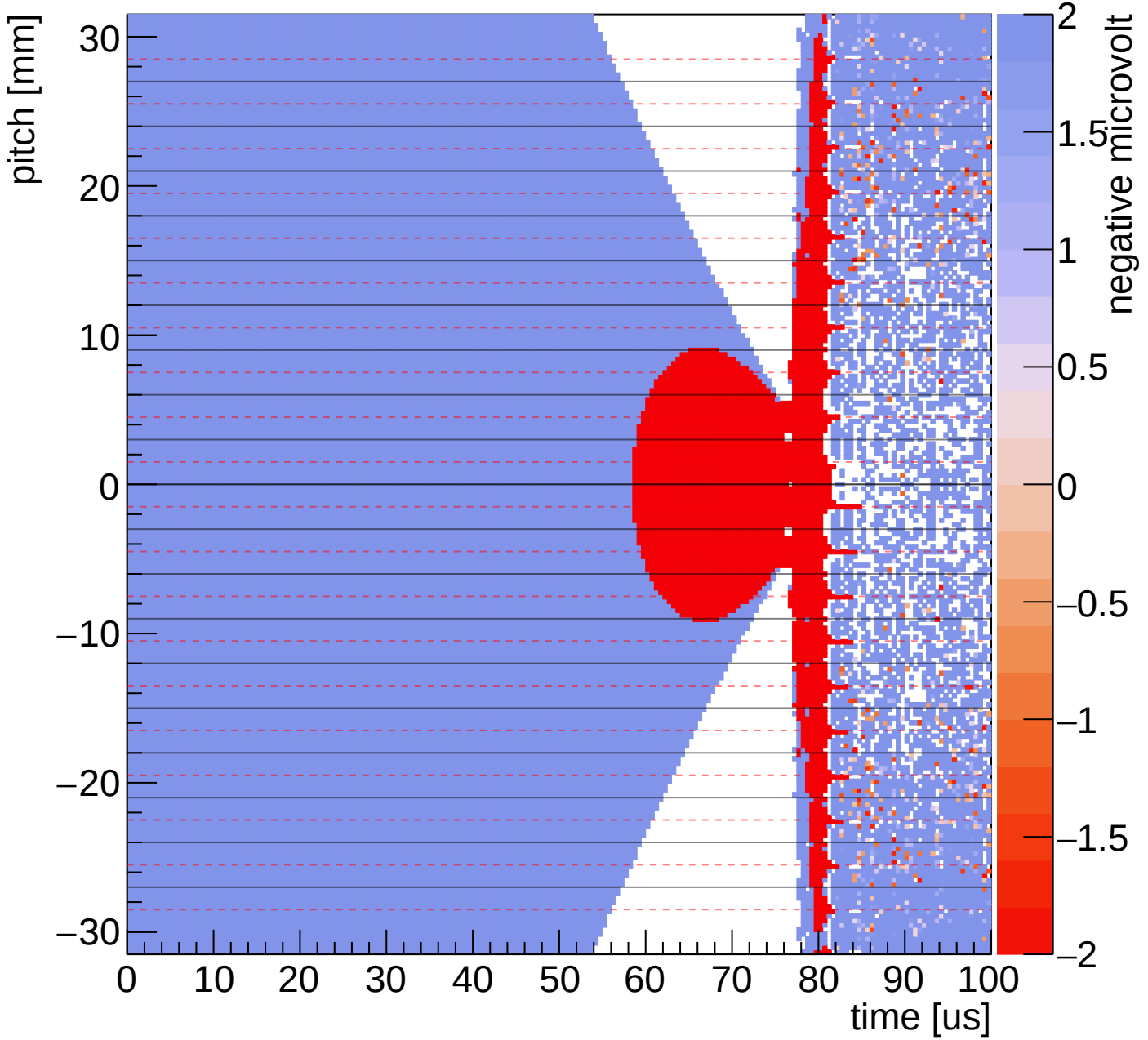

Field Response total, 1e-/impact V-plane
impact total [induced electrons]
0
−0.001
−0.002
−0.003
−0.004
−0.005
−0.006
−0.007
−0.008
−30
−20
−10
0
10
20
30
pitch (mm)

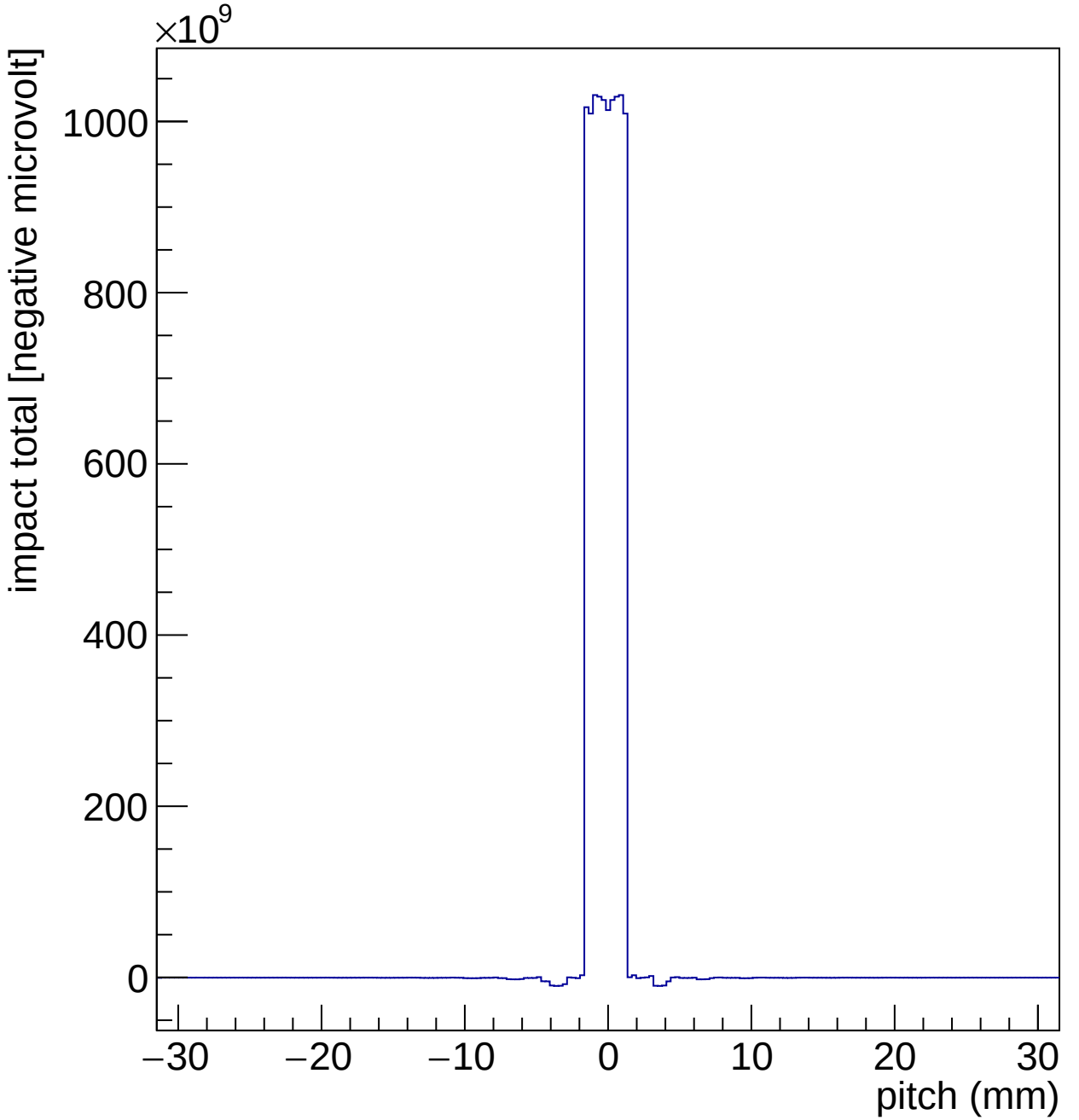

Detector Response, 1e-/impact V-plane
pitch [mm]
30
20
10
0
−10
−20
−30
0
10
20
30
40
50
60
70
80
90
100
time [us]
negative microvolt
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1


Detector Response total, 1e-/impact V-plane
×10^6
0
−1000
−2000
−3000
−4000
−5000
−6000
−7000
−8000
impact total [negative microvolt]
−30
−20
−10
0
10
20
30
pitch (mm)


Field Response, 1e-/impact W-plane
pitch [mm]
30
20
10
0
−10
−20
−30
0
10
20
30
40
50
60
70
80
90
100
time [us]
induced electrons
0.6
0.4
0.2
0
−0.2
−0.4
−0.6


Field Response total, 1e-/impact W-plane
impact total [induced electrons]
1
0.8
0.6
0.4
0.2
0
−30
−20
−10
0
10
20
30
pitch (mm)


Detector Response, 1e-/impact W-plane
pitch [mm]
30
20
10
0
−10
−20
−30
0
10
20
30
40
50
60
70
80
90
100
time [us]
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
negative microvolt


Detector Response total, 1e-/impact W-plane
×10^9
impact total [negative microvolt]
1000
800
600
400
200
0
−30
−20
−10
0
10
20
30
pitch (mm)