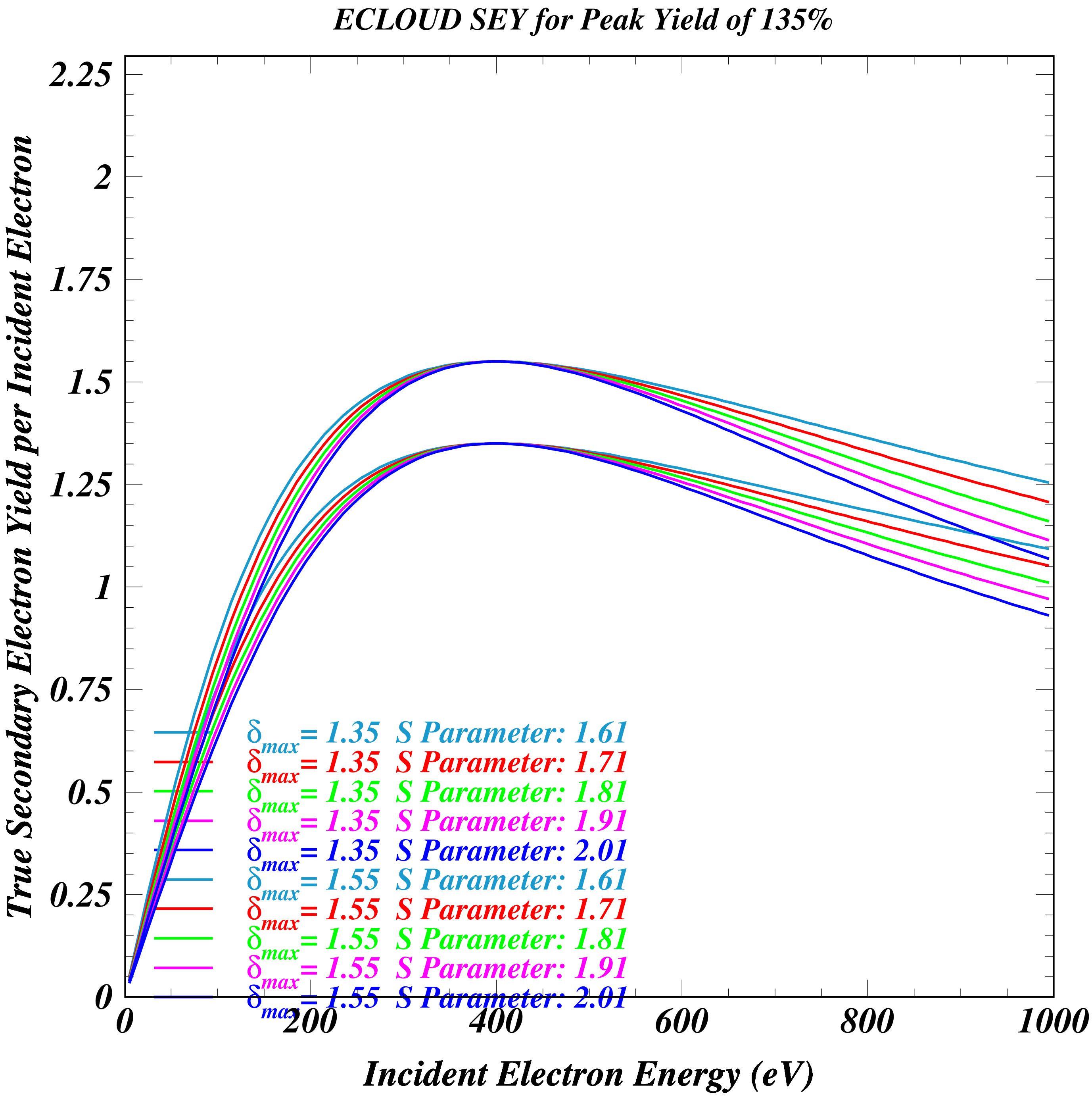
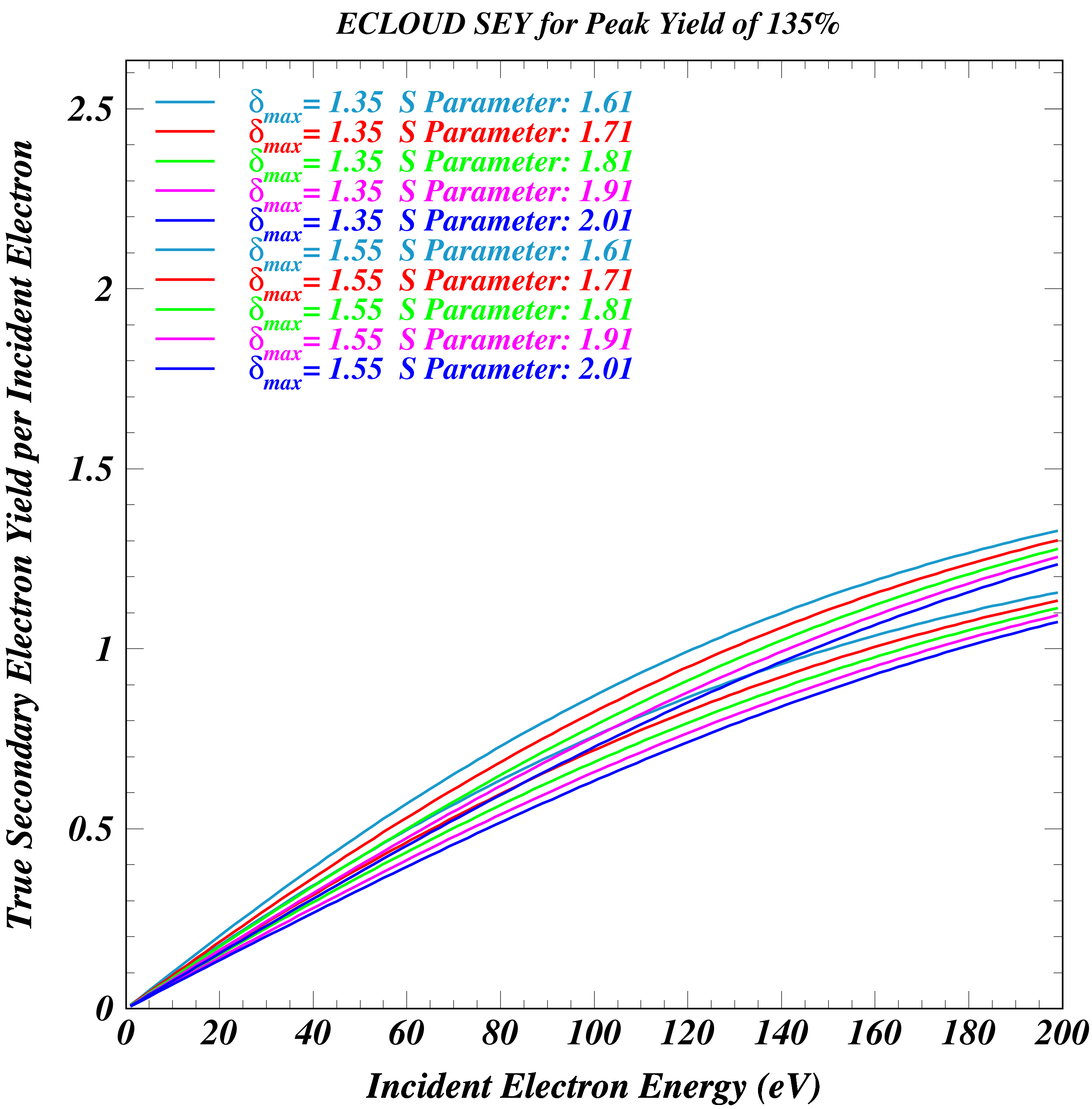
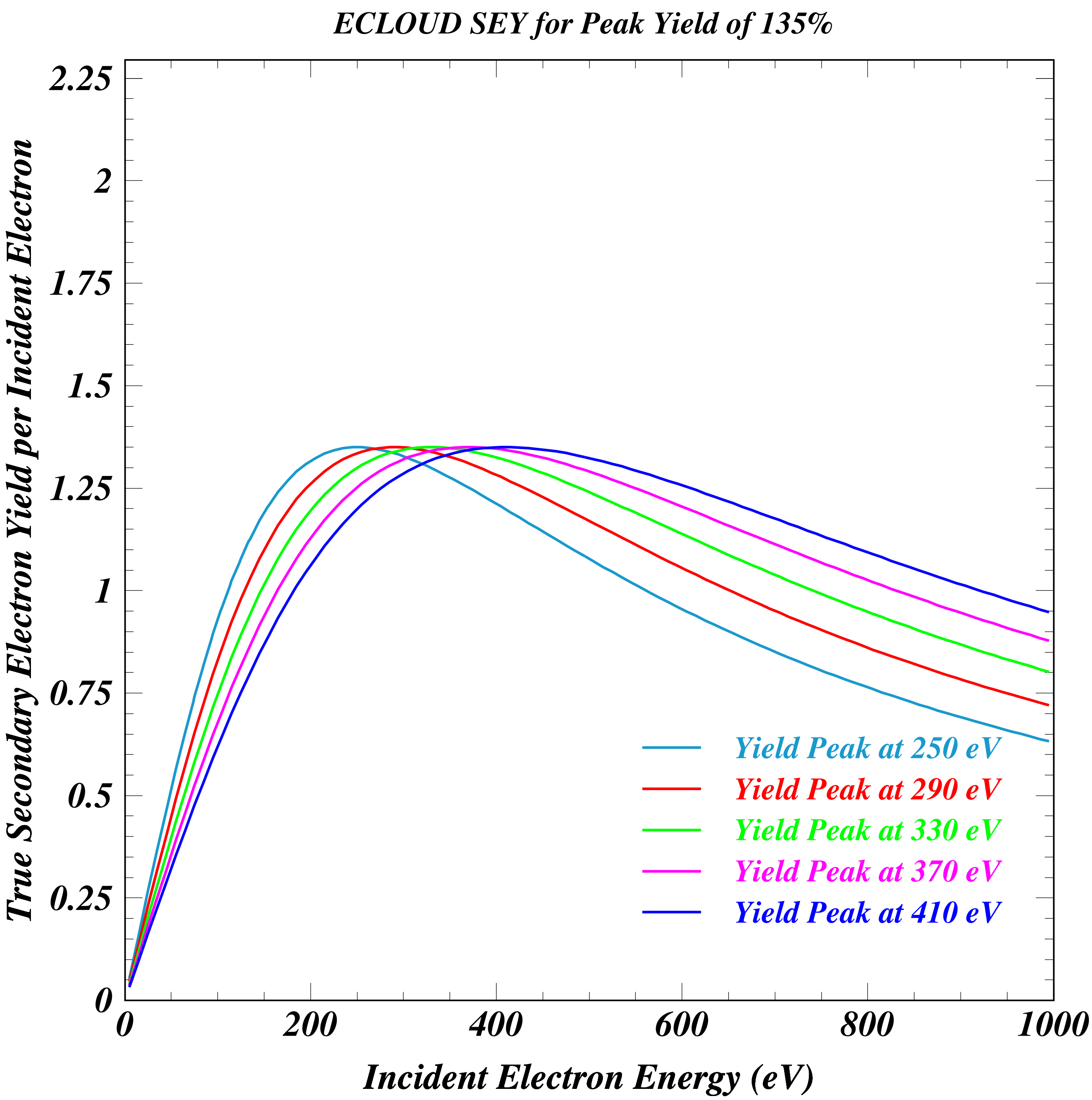
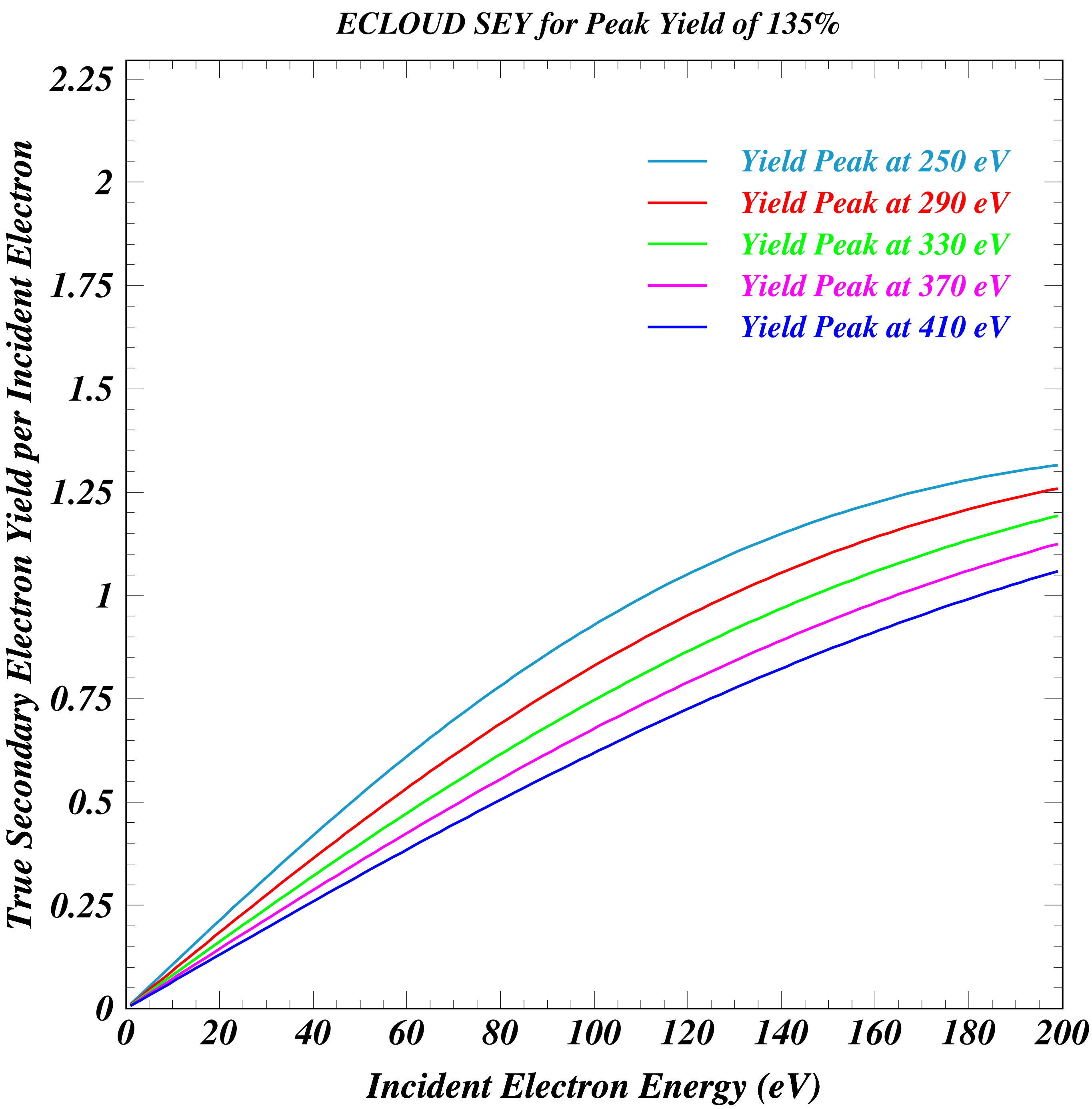
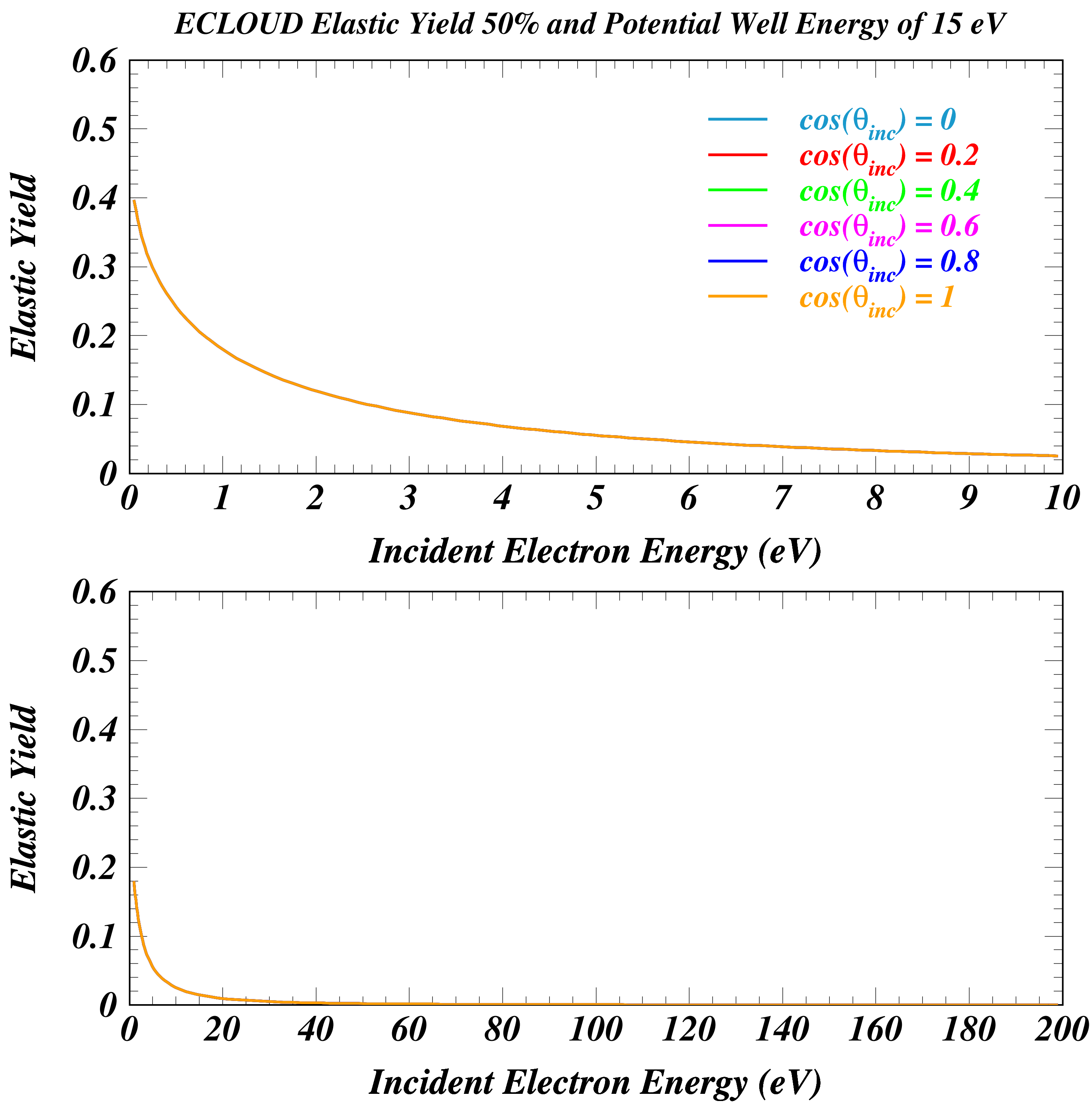

ECLOUD SEY for Peak Yield of 135%
True Secondary Electron Yield per Incident Electron
Incident Electron Energy (eV)
0
0.25
0.5
0.75
1
1.25
1.5
1.75
2
2.25
0
200
400
600
800
1000
δ_{max}= 1.35 S Parameter: 1.61
δ_{max}= 1.35 S Parameter: 1.71
δ_{max}= 1.35 S Parameter: 1.81
δ_{max}= 1.35 S Parameter: 1.91
δ_{max}= 1.35 S Parameter: 2.01
δ_{max}= 1.55 S Parameter: 1.61
δ_{max}= 1.55 S Parameter: 1.71
δ_{max}= 1.55 S Parameter: 1.81
δ_{max}= 1.55 S Parameter: 1.91
δ_{max}= 1.55 S Parameter: 2.01

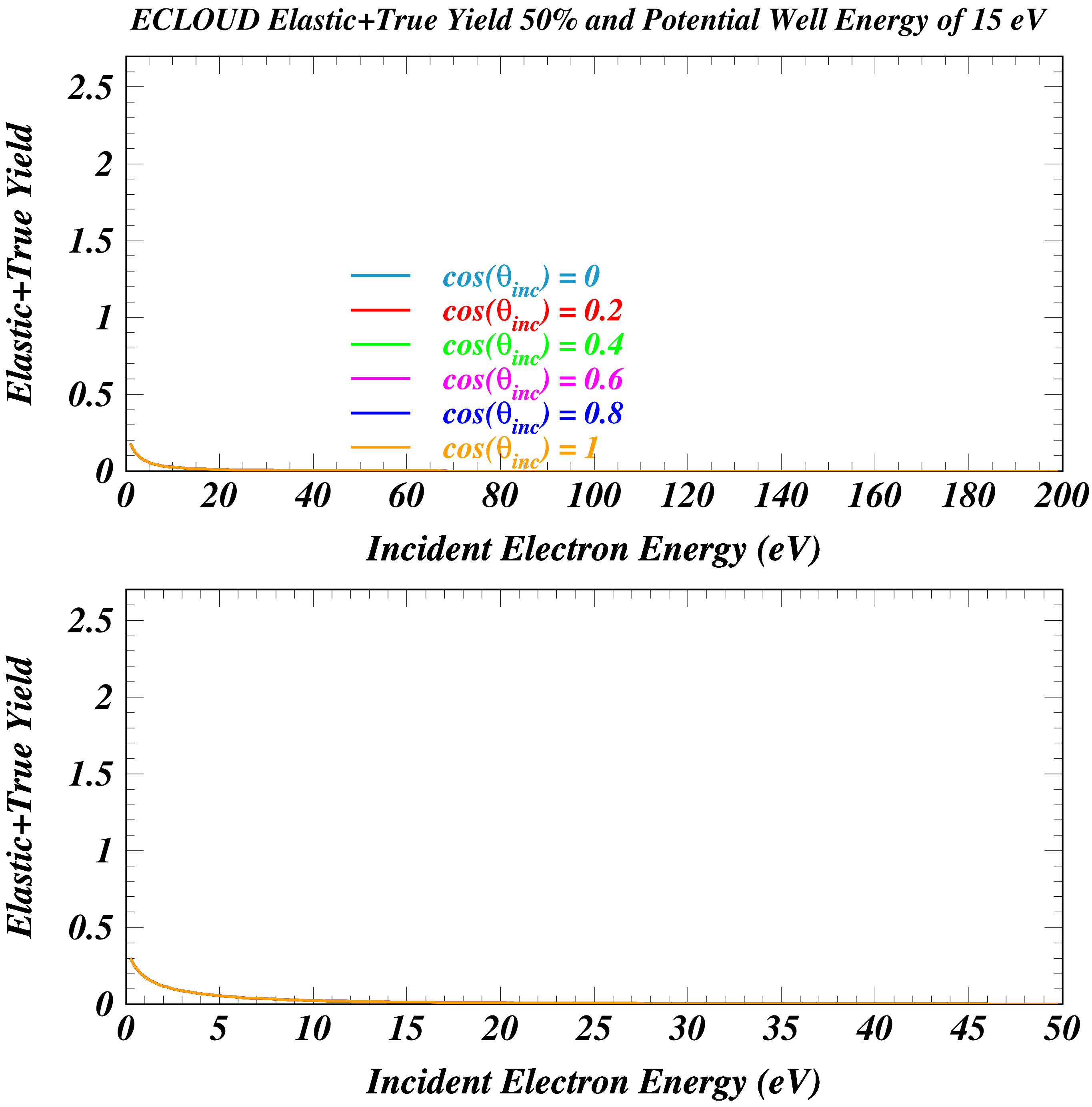

ECLOUD SEY for Peak Yield of 135%
δmax= 1.35 S Parameter: 1.61
δmax= 1.35 S Parameter: 1.71
δmax= 1.35 S Parameter: 1.81
δmax= 1.35 S Parameter: 1.91
δmax= 1.35 S Parameter: 2.01
δmax= 1.55 S Parameter: 1.61
δmax= 1.55 S Parameter: 1.71
δmax= 1.55 S Parameter: 1.81
δmax= 1.55 S Parameter: 1.91
δmax= 1.55 S Parameter: 2.01
True Secondary Electron Yield per Incident Electron
Incident Electron Energy (eV)
0
0.5
1
1.5
2
2.5
0
20
40
60
80
100
120
140
160
180
200


ECLOUD SEY for Peak Yield of 135%
True Secondary Electron Yield per Incident Electron
Incident Electron Energy (eV)
0
0.25
0.5
0.75
1
1.25
1.5
1.75
2
2.25
0
200
400
600
800
1000
Yield Peak at 250 eV
Yield Peak at 290 eV
Yield Peak at 330 eV
Yield Peak at 370 eV
Yield Peak at 410 eV

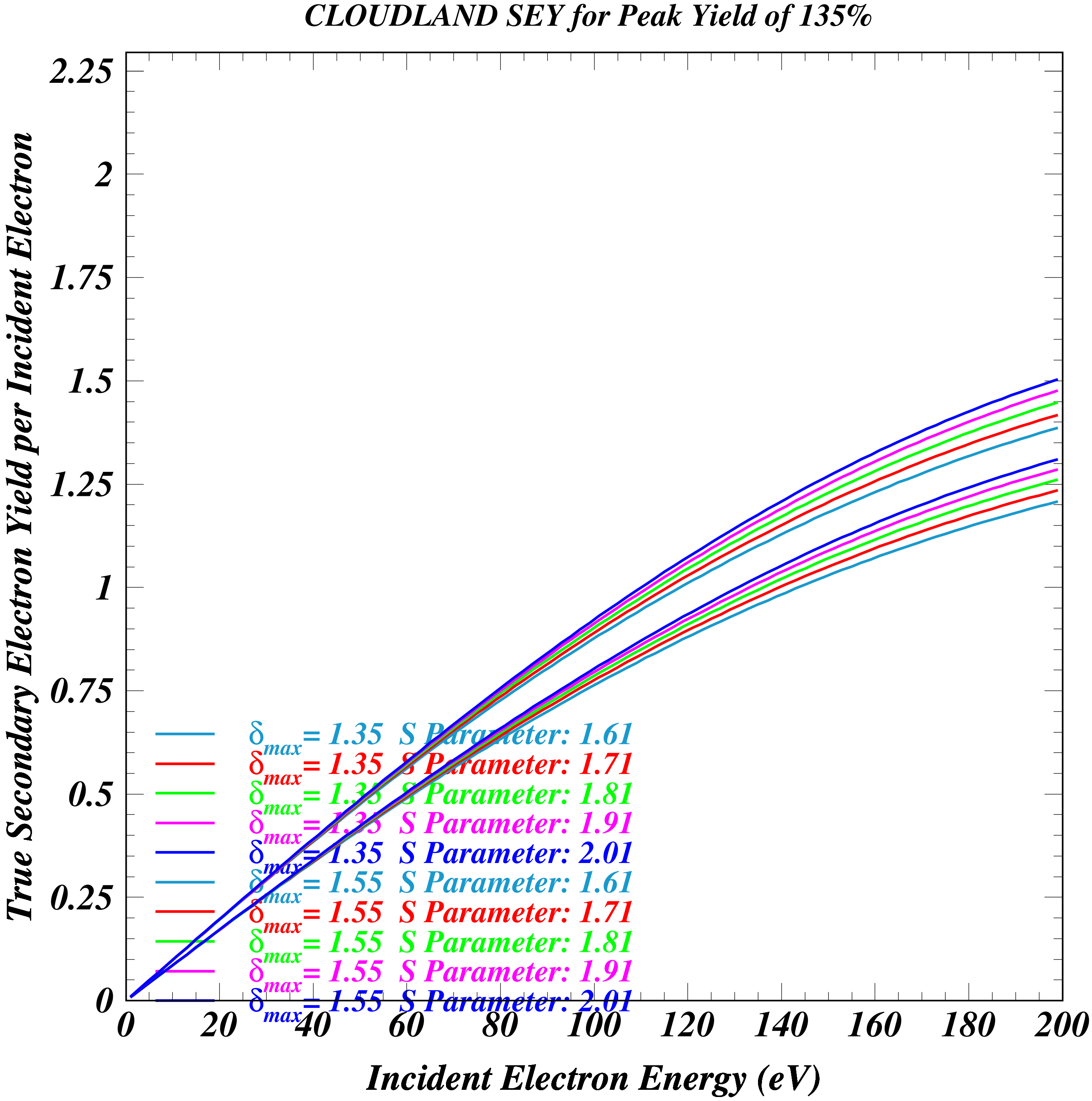

ECLOUD SEY for Peak Yield of 135%
Yield Peak at 250 eV
Yield Peak at 290 eV
Yield Peak at 330 eV
Yield Peak at 370 eV
Yield Peak at 410 eV
True Secondary Electron Yield per Incident Electron
Incident Electron Energy (eV)
0
0.25
0.5
0.75
1
1.25
1.5
1.75
2
2.25
0
20
40
60
80
100
120
140
160
180
200



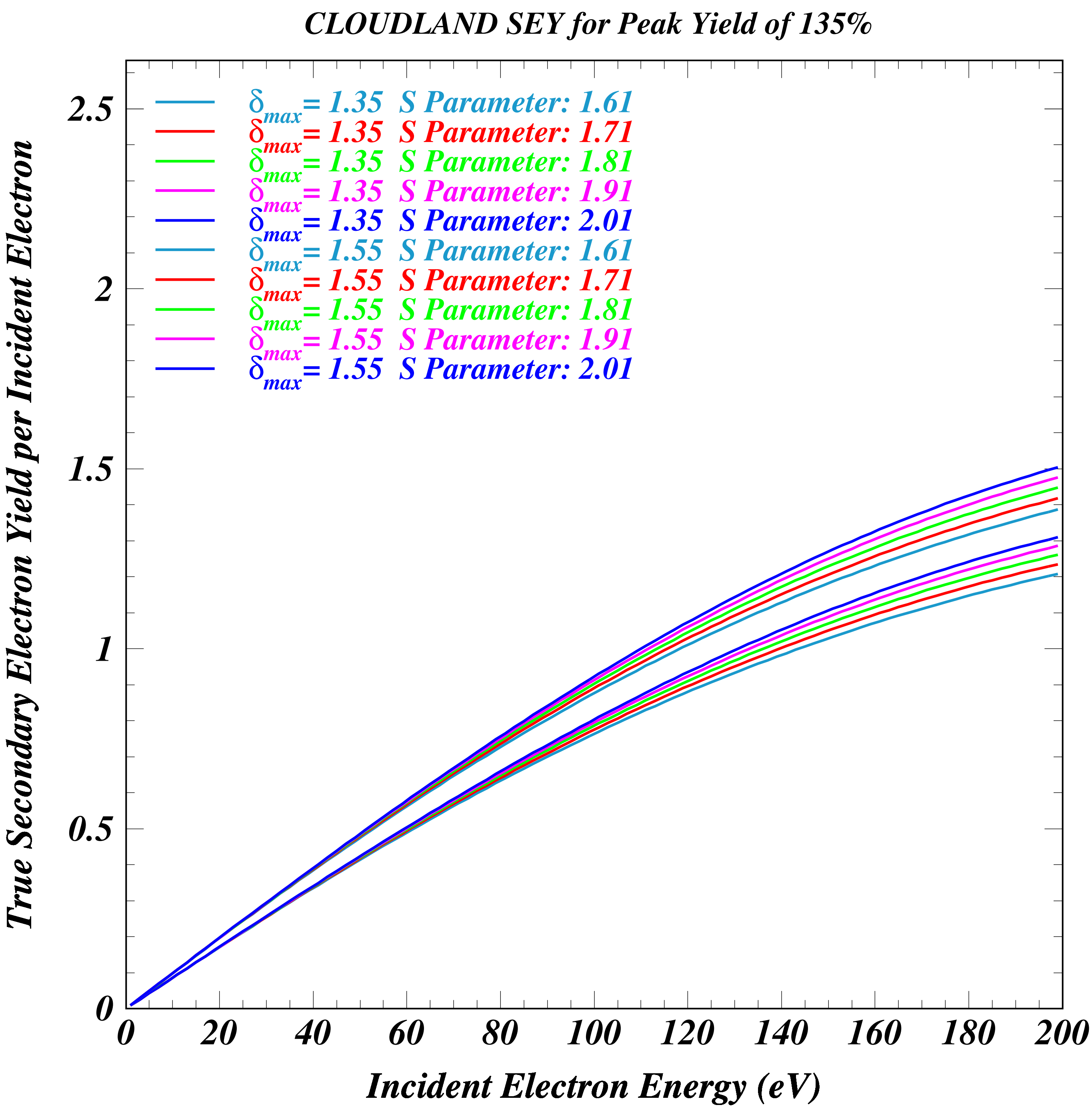
ECLOUD Elastic Yield 50% and Potential Well Energy of 15 eV
Elastic Yield
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6 7 8 9 10
Incident Electron Energy (eV)
cos(θinc) = 0
cos(θinc) = 0.2
cos(θinc) = 0.4
cos(θinc) = 0.6
cos(θinc) = 0.8
cos(θinc) = 1
Elastic Yield
0 20 40 60 80 100 120 140 160 180 200
Incident Electron Energy (eV)

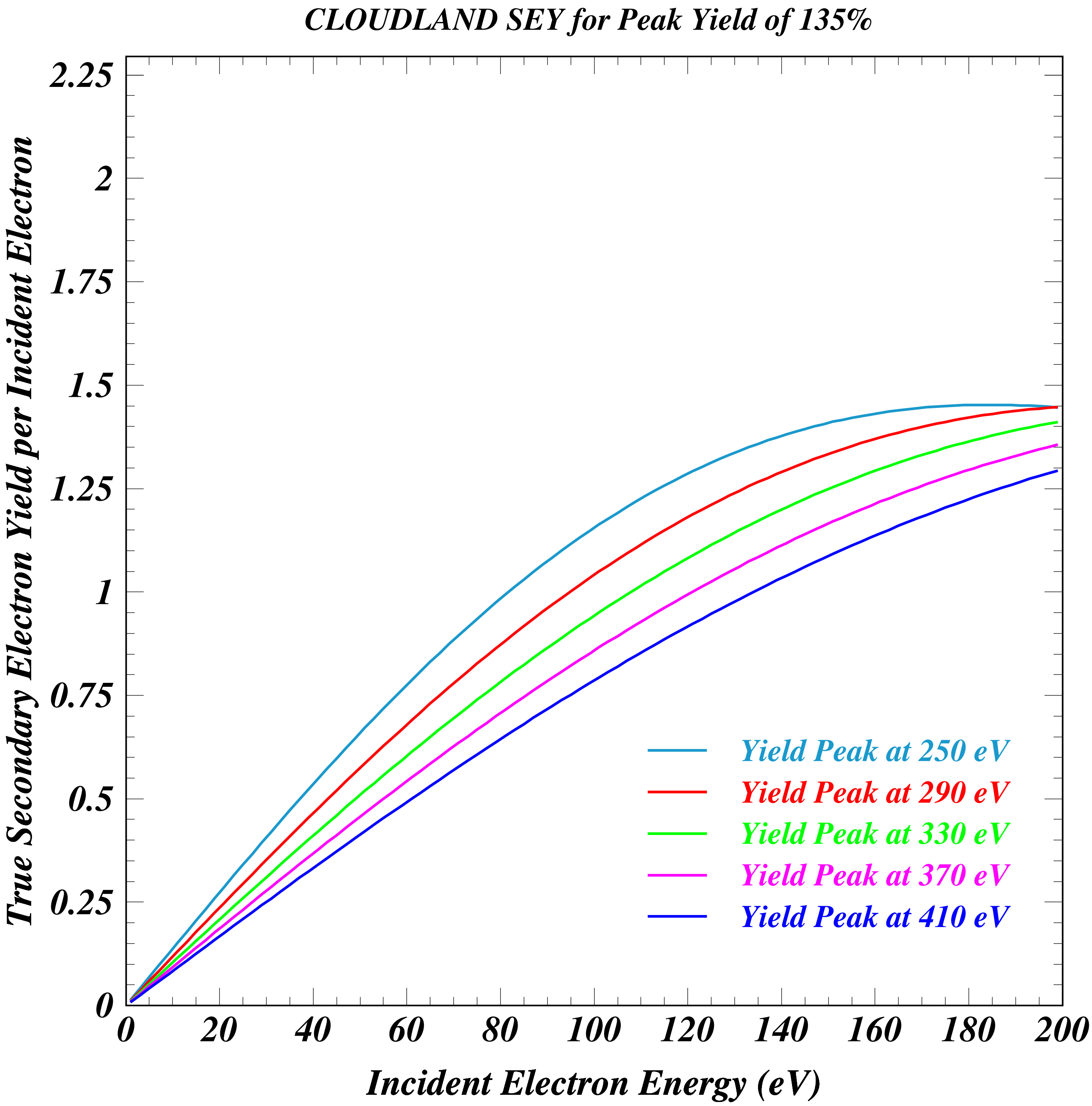


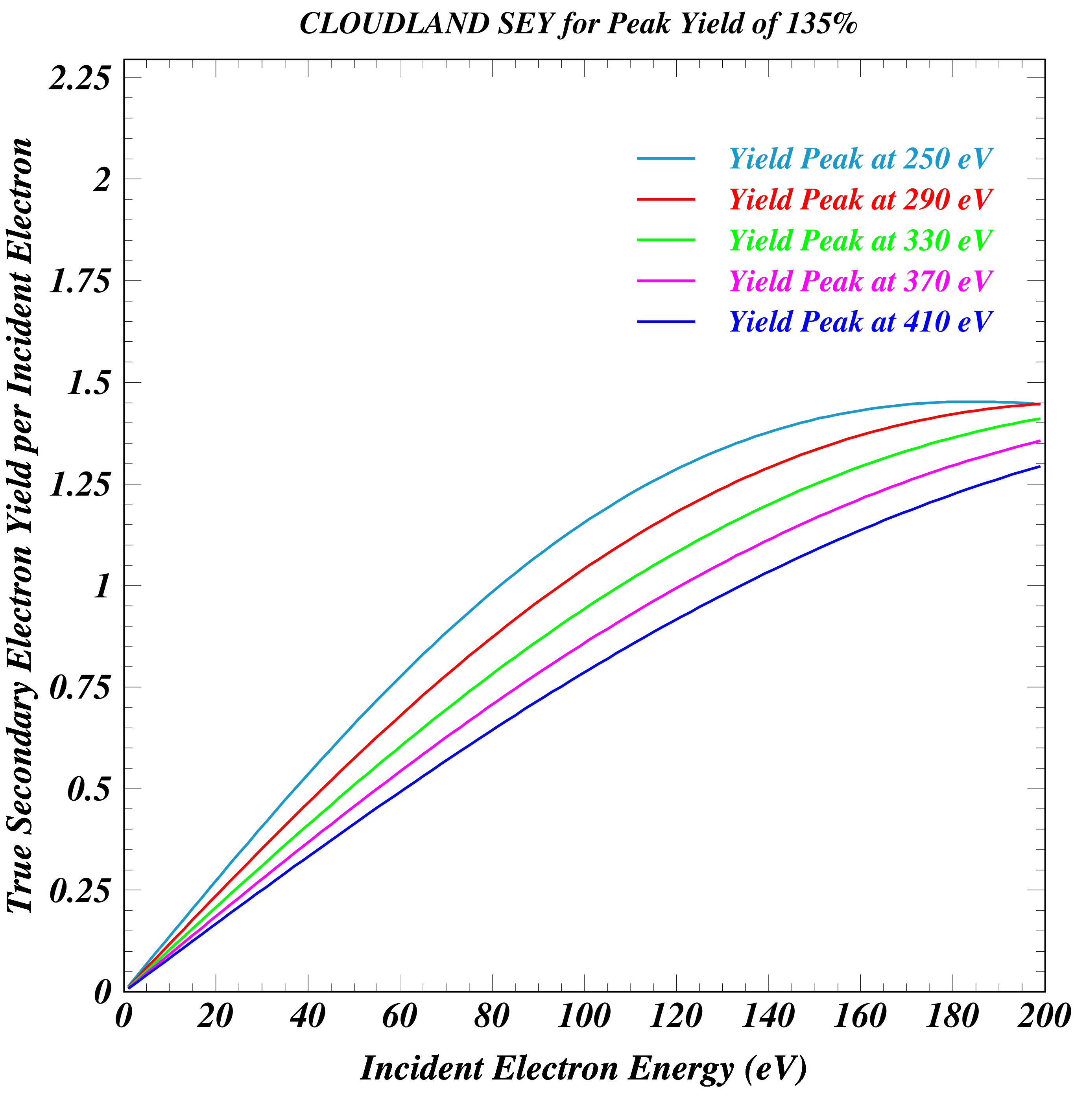
ECLOUD Elastic+True Yield 50% and Potential Well Energy of 15 eV
Elastic+True Yield
$\cos(\theta_{inc}) = 0$
$\cos(\theta_{inc}) = 0.2$
$\cos(\theta_{inc}) = 0.4$
$\cos(\theta_{inc}) = 0.6$
$\cos(\theta_{inc}) = 0.8$
$\cos(\theta_{inc}) = 1$
Incident Electron Energy (eV)
Elastic+True Yield
Incident Electron Energy (eV)



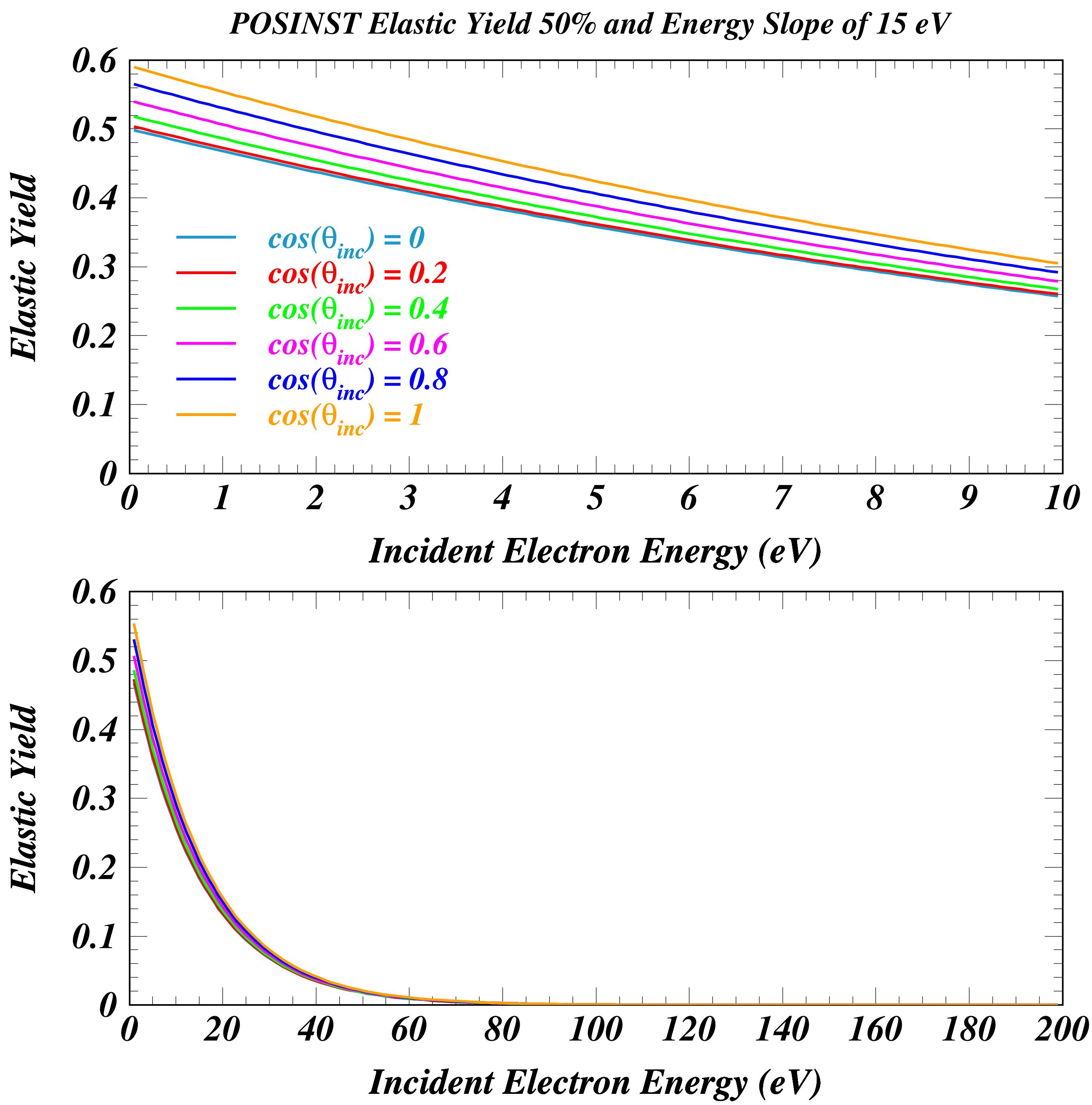
CLOUDLAND SEY for Peak Yield of 135%
True Secondary Electron Yield per Incident Electron
Incident Electron Energy (eV)
0
0.25
0.5
0.75
1
1.25
1.5
1.75
2
2.25
0
20
40
60
80
100
120
140
160
180
200
δ_{max}= 1.35 S Parameter: 1.61
δ_{max}= 1.35 S Parameter: 1.71
δ_{max}= 1.35 S Parameter: 1.81
δ_{max}= 1.35 S Parameter: 1.91
δ_{max}= 1.35 S Parameter: 2.01
δ_{max}= 1.55 S Parameter: 1.61
δ_{max}= 1.55 S Parameter: 1.71
δ_{max}= 1.55 S Parameter: 1.81
δ_{max}= 1.55 S Parameter: 1.91
δ_{max}= 1.55 S Parameter: 2.01


CLOUDLAND SEY for Peak Yield of 135%
δmax= 1.35 S Parameter: 1.61
δmax= 1.35 S Parameter: 1.71
δmax= 1.35 S Parameter: 1.81
δmax= 1.35 S Parameter: 1.91
δmax= 1.35 S Parameter: 2.01
δmax= 1.55 S Parameter: 1.61
δmax= 1.55 S Parameter: 1.71
δmax= 1.55 S Parameter: 1.81
δmax= 1.55 S Parameter: 1.91
δmax= 1.55 S Parameter: 2.01
True Secondary Electron Yield per Incident Electron
Incident Electron Energy (eV)
0
0.5
1
1.5
2
2.5
0
20
40
60
80
100
120
140
160
180
200

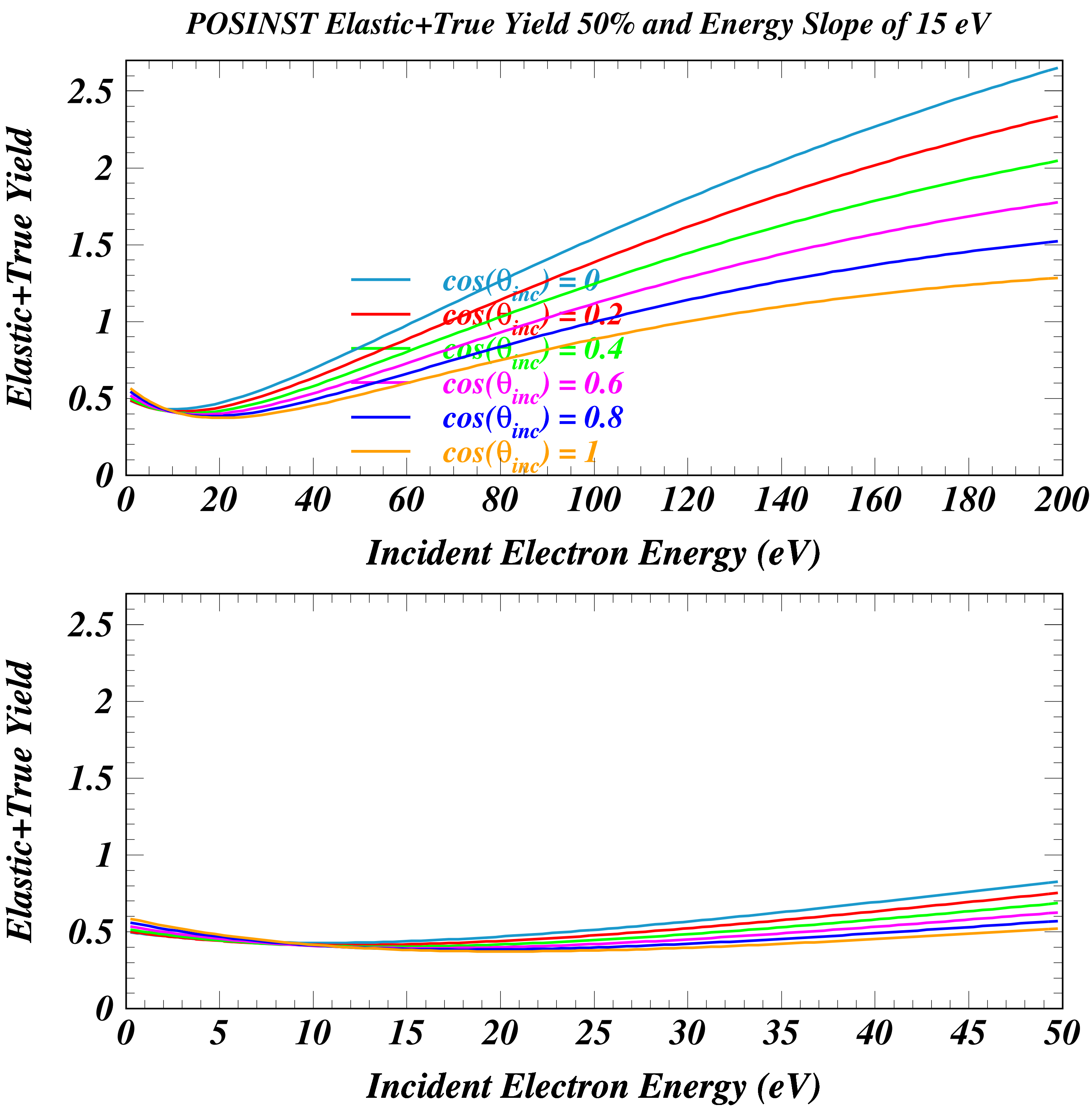

CLOUDLAND SEY for Peak Yield of 135%
True Secondary Electron Yield per Incident Electron
Incident Electron Energy (eV)
0
0.25
0.5
0.75
1
1.25
1.5
1.75
2
2.25
0
20
40
60
80
100
120
140
160
180
200
Yield Peak at 250 eV
Yield Peak at 290 eV
Yield Peak at 330 eV
Yield Peak at 370 eV
Yield Peak at 410 eV

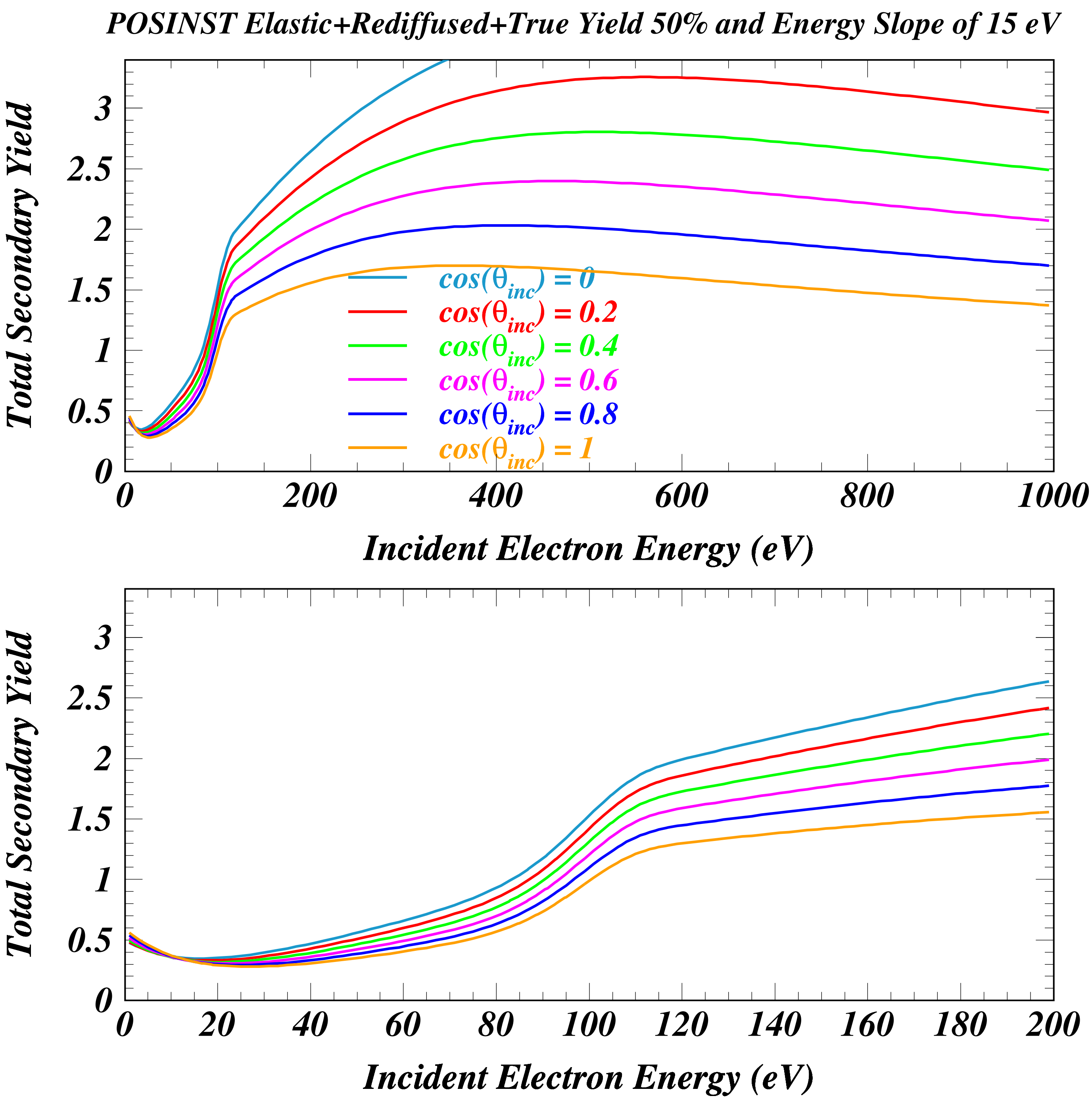


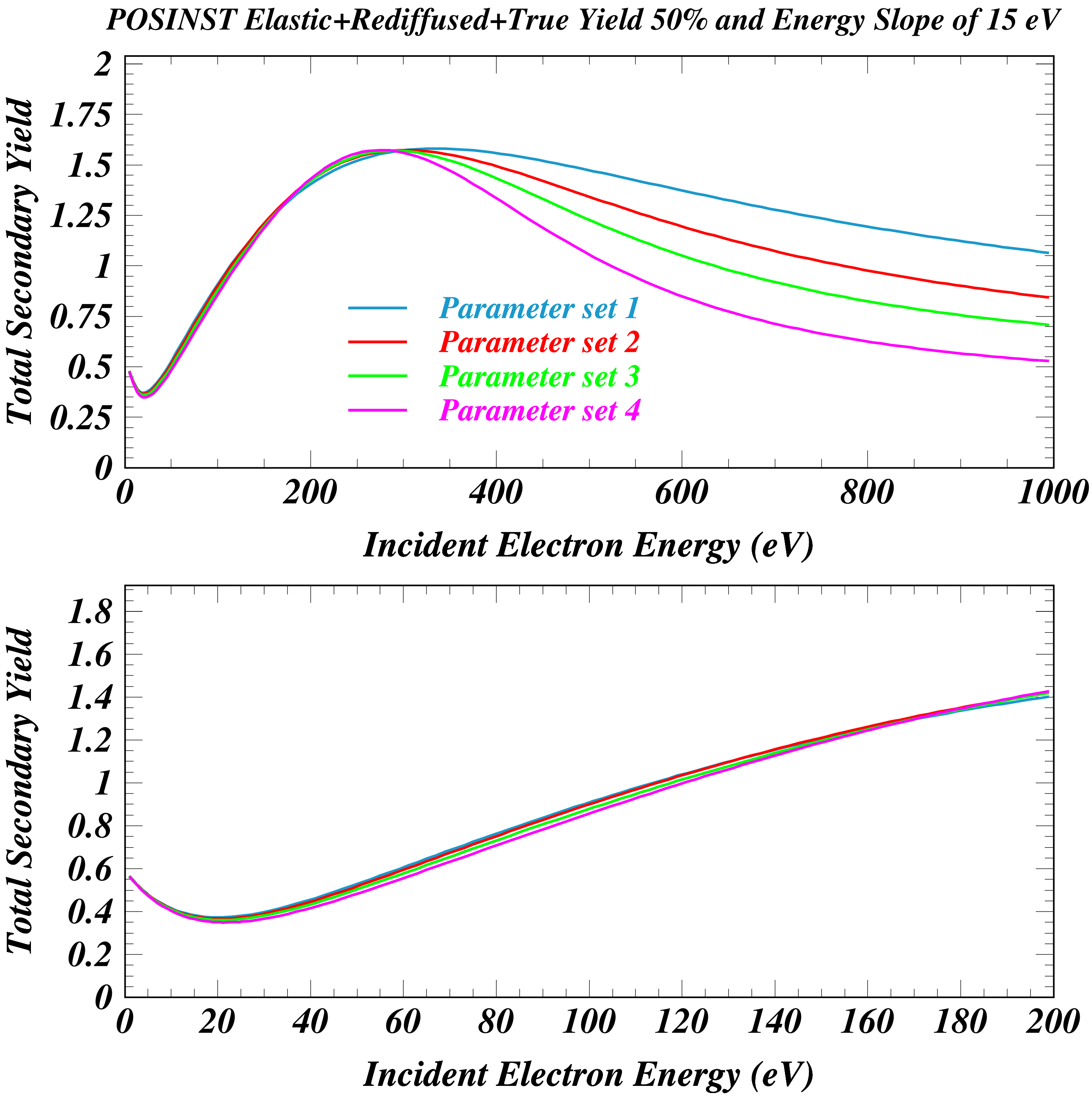
CLOUDLAND SEY for Peak Yield of 135%
Yield Peak at 250 eV
Yield Peak at 290 eV
Yield Peak at 330 eV
Yield Peak at 370 eV
Yield Peak at 410 eV
True Secondary Electron Yield per Incident Electron
Incident Electron Energy (eV)
0
0.25
0.5
0.75
1
1.25
1.5
1.75
2
2.25
0
20
40
60
80
100
120
140
160
180
200



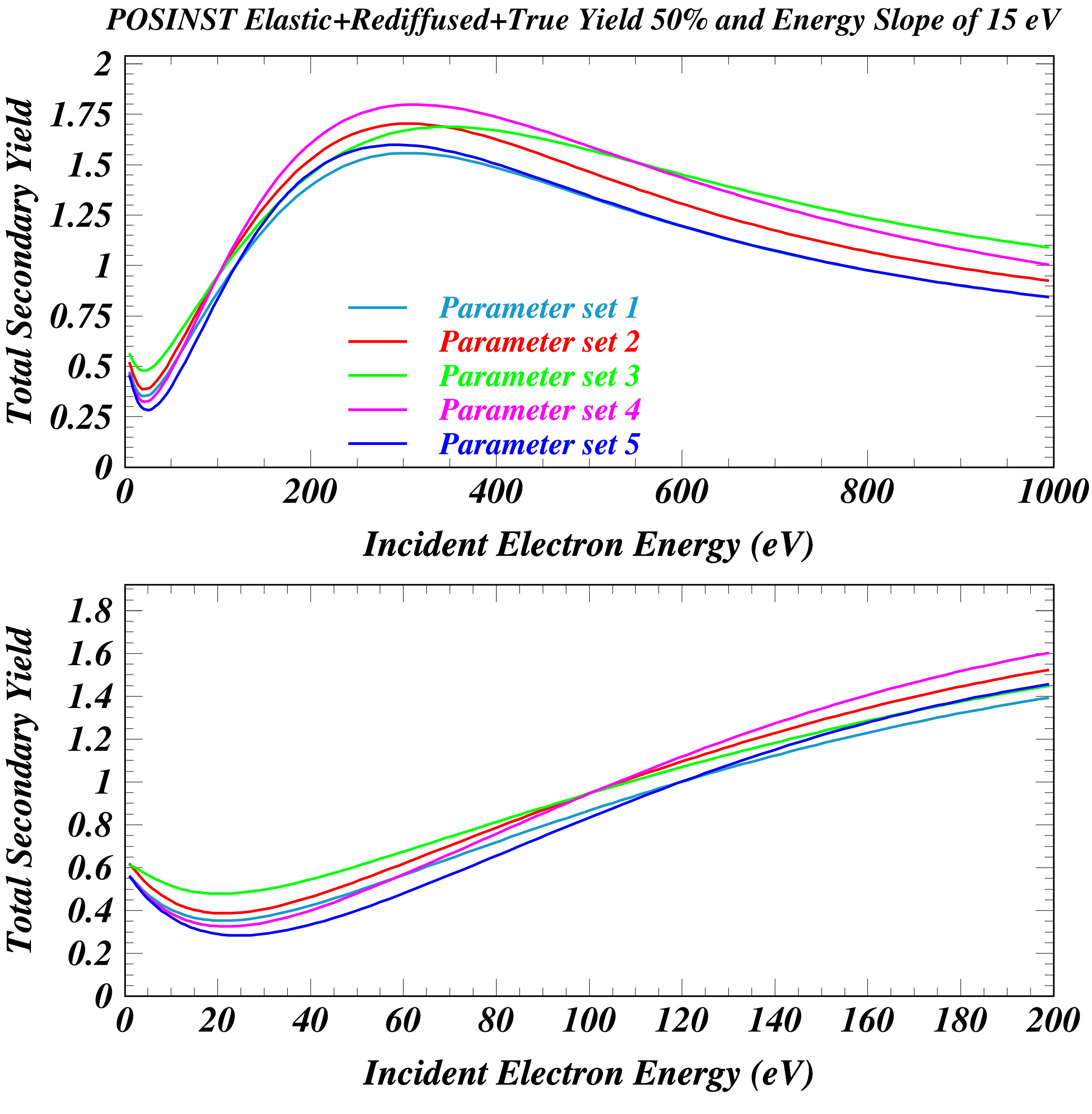
POSINST Elastic Yield 50% and Energy Slope of 15 eV
Elastic Yield
Incident Electron Energy (eV)
cos(θ_inc) = 0
cos(θ_inc) = 0.2
cos(θ_inc) = 0.4
cos(θ_inc) = 0.6
cos(θ_inc) = 0.8
cos(θ_inc) = 1
Elastic Yield
Incident Electron Energy (eV)


POSINST Elastic+True Yield 50% and Energy Slope of 15 eV
Elastic+True Yield
Incident Electron Energy (eV)
cos(θinc) = 0
cos(θinc) = 0.2
cos(θinc) = 0.4
cos(θinc) = 0.6
cos(θinc) = 0.8
cos(θinc) = 1
0
0.5
1
1.5
2
2.5
0
20
40
60
80
100
120
140
160
180
200
Elastic+True Yield
Incident Electron Energy (eV)
0
0.5
1
1.5
2
2.5
0
5
10
15
20
25
30
35
40
45
50


POSINST Elastic+Rediffused+True Yield 50% and Energy Slope of 15 eV
Total Secondary Yield
Incident Electron Energy (eV)
cos(θinc) = 0
cos(θinc) = 0.2
cos(θinc) = 0.4
cos(θinc) = 0.6
cos(θinc) = 0.8
cos(θinc) = 1
0
0.5
1
1.5
2
2.5
3
0
200
400
600
800
1000
Total Secondary Yield
Incident Electron Energy (eV)
0
20
40
60
80
100
120
140
160
180
200



POSINST Elastic+Rediffused+True Yield 50% and Energy Slope of 15 eV
Total Secondary Yield
Incident Electron Energy (eV)
Parameter set 1
Parameter set 2
Parameter set 3
Parameter set 4
0
0.25
0.5
0.75
1
1.25
1.5
1.75
2
200
400
600
800
1000
Total Secondary Yield
Incident Electron Energy (eV)
0.2
0.4
0.6
0.8
1.2
1.4
1.6
1.8
20
40
60
80
100
120
140
160
180
200


POSINST Elastic+Rediffused+True Yield 50% and Energy Slope of 15 eV
Total Secondary Yield
Incident Electron Energy (eV)
Parameter set 1
Parameter set 2
Parameter set 3
Parameter set 4
Parameter set 5
0
0.25
0.5
0.75
1
1.25
1.5
1.75
2
0
200
400
600
800
1000
Total Secondary Yield
Incident Electron Energy (eV)
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
0
20
40
60
80
100
120
140
160
180
200