Program Complot
(Version 2021-1)
by
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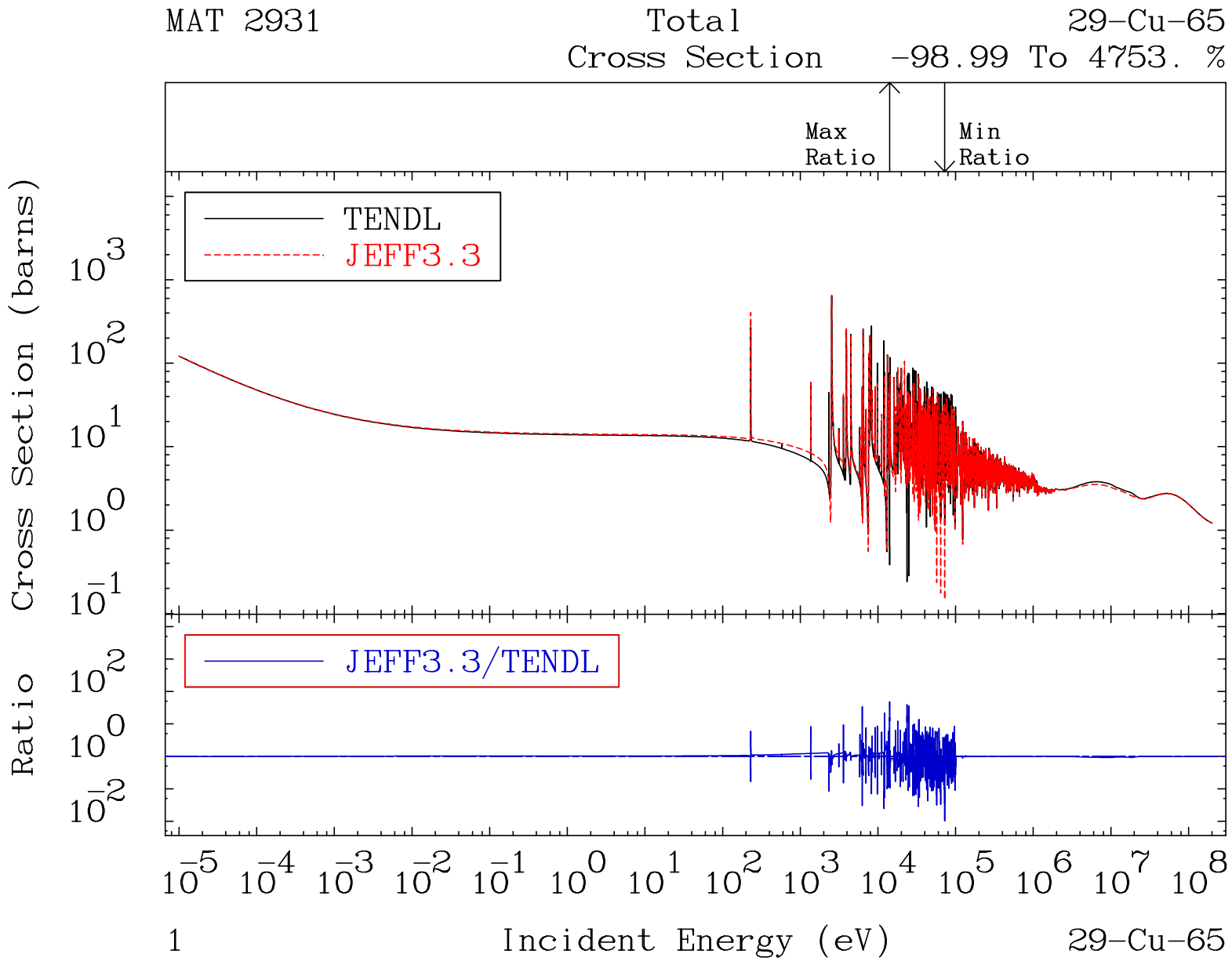
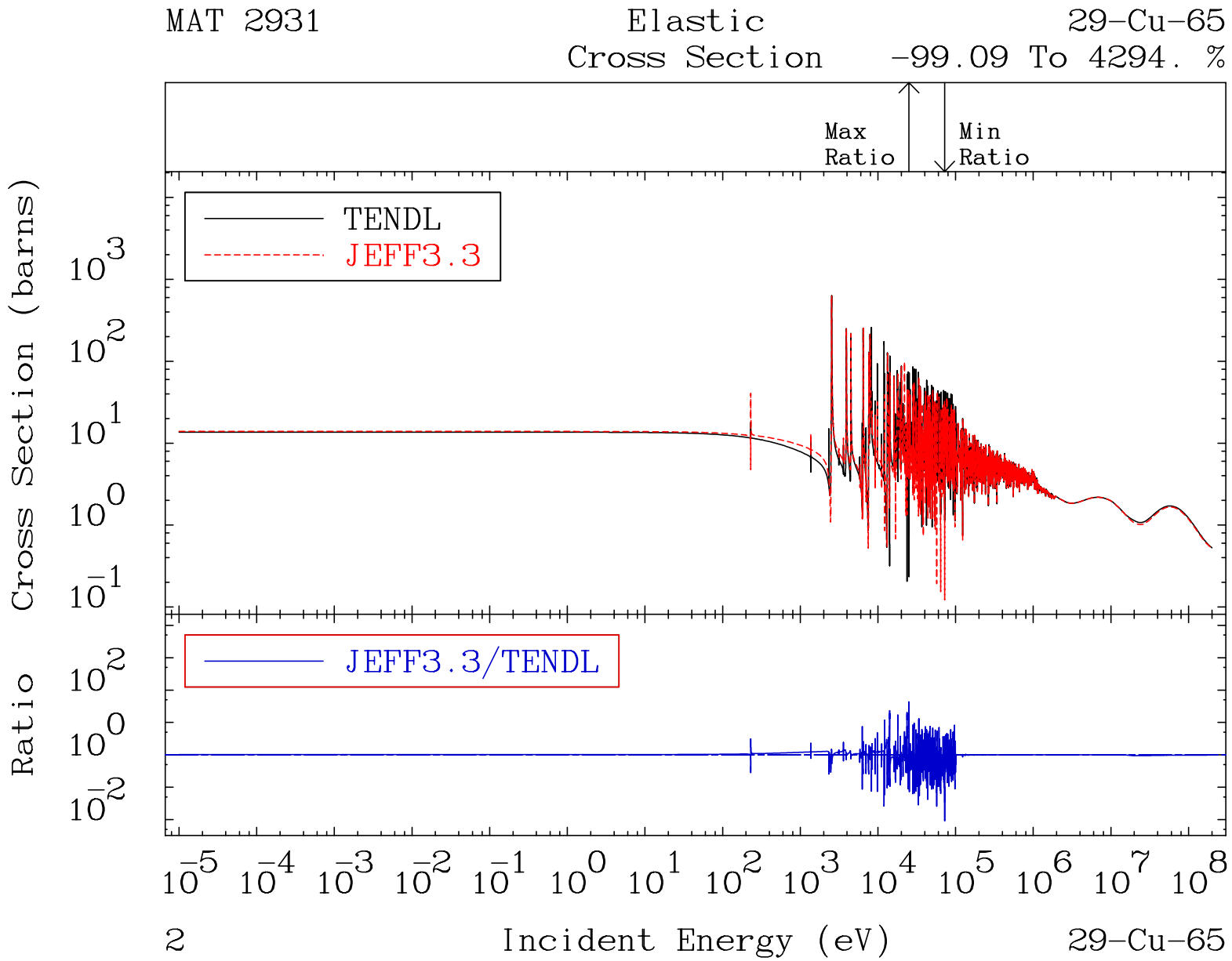
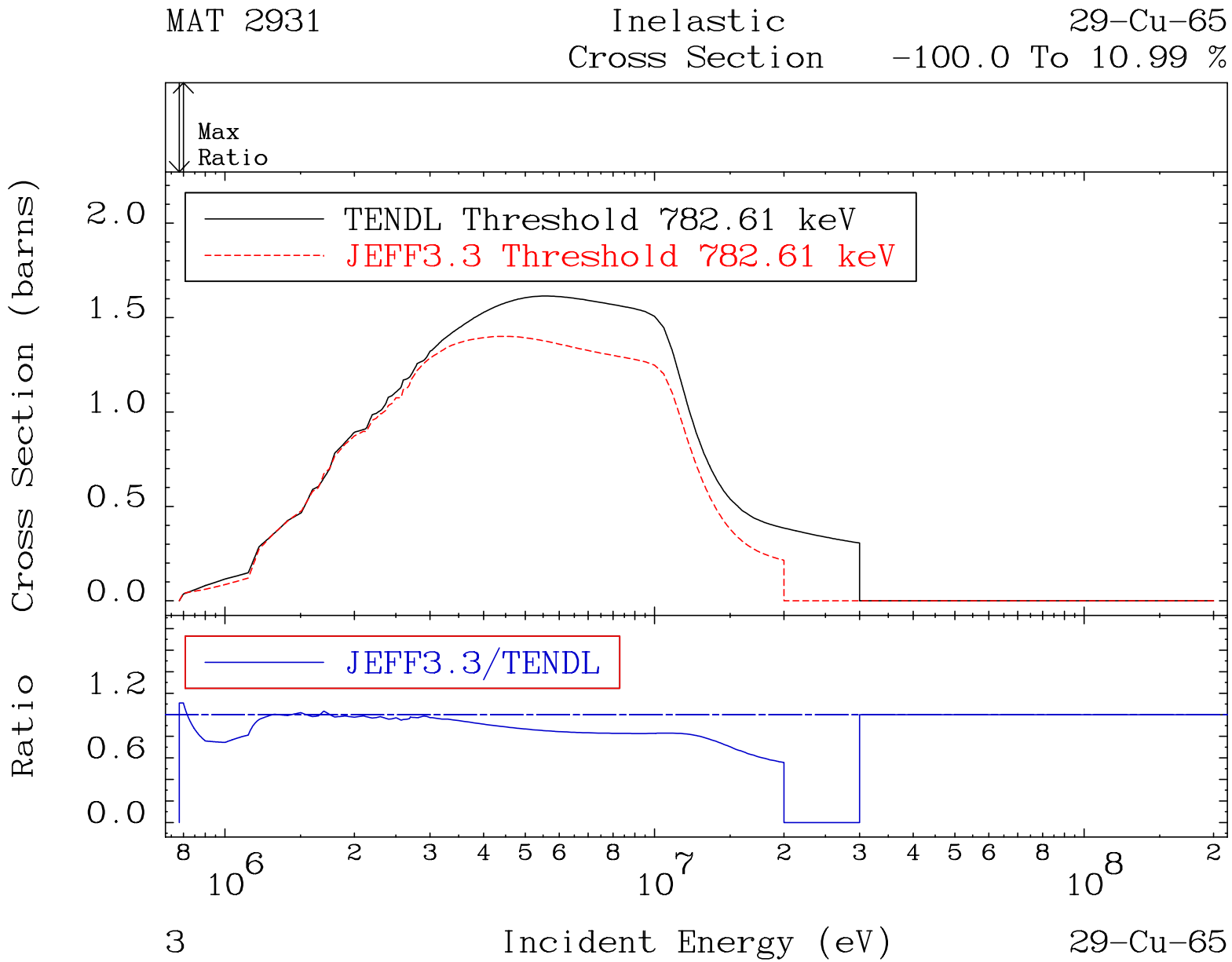
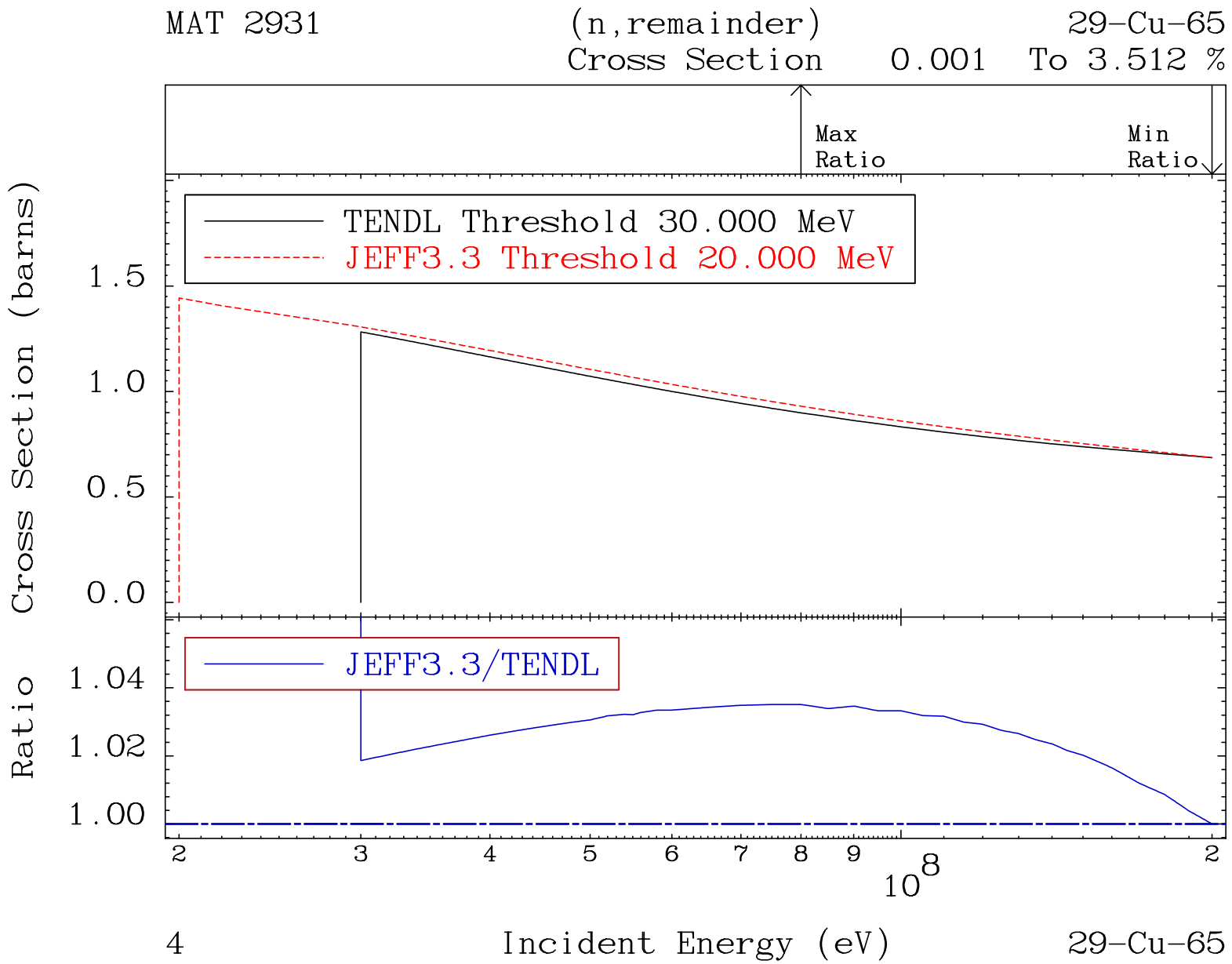
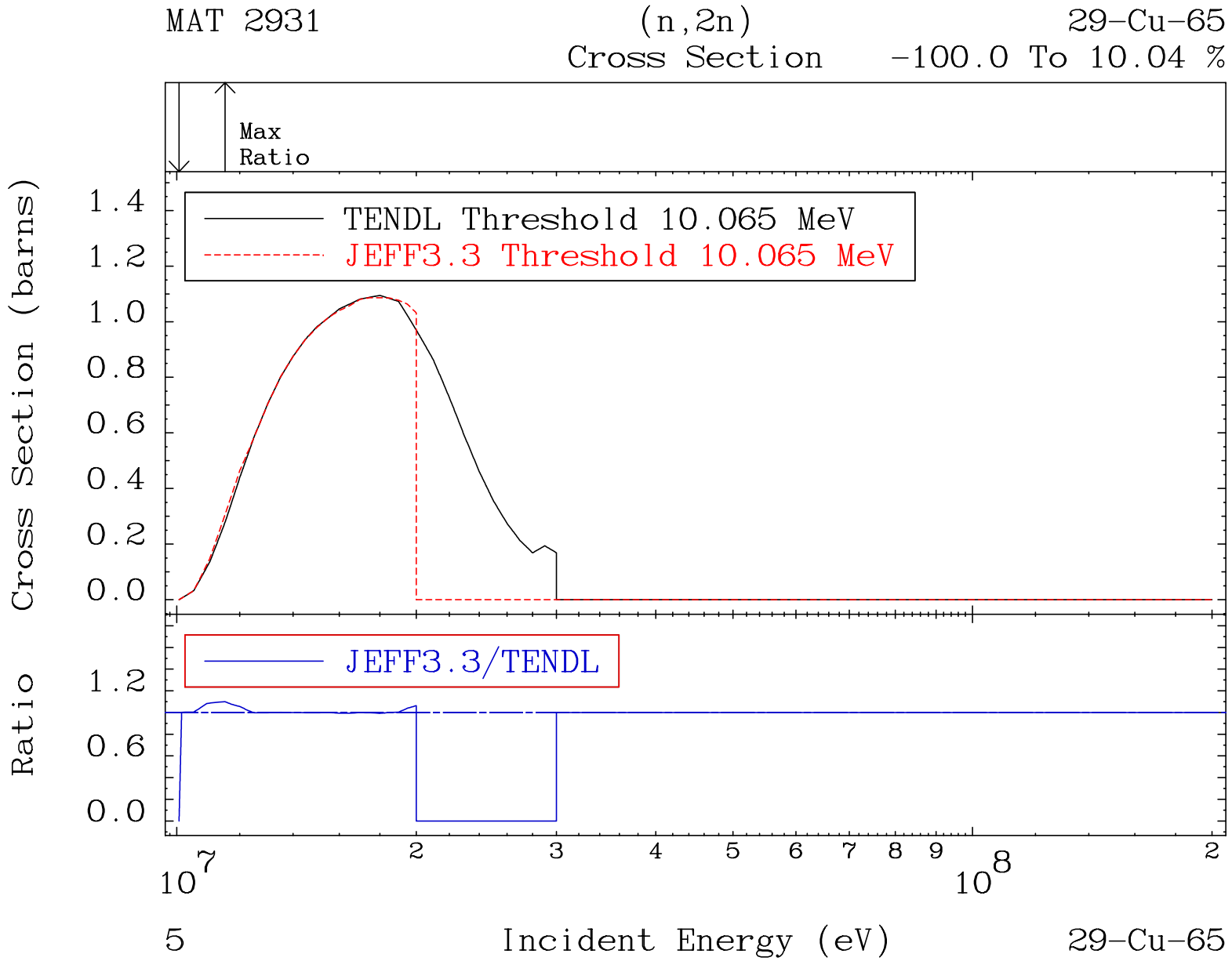
Press Mouse Button to Start

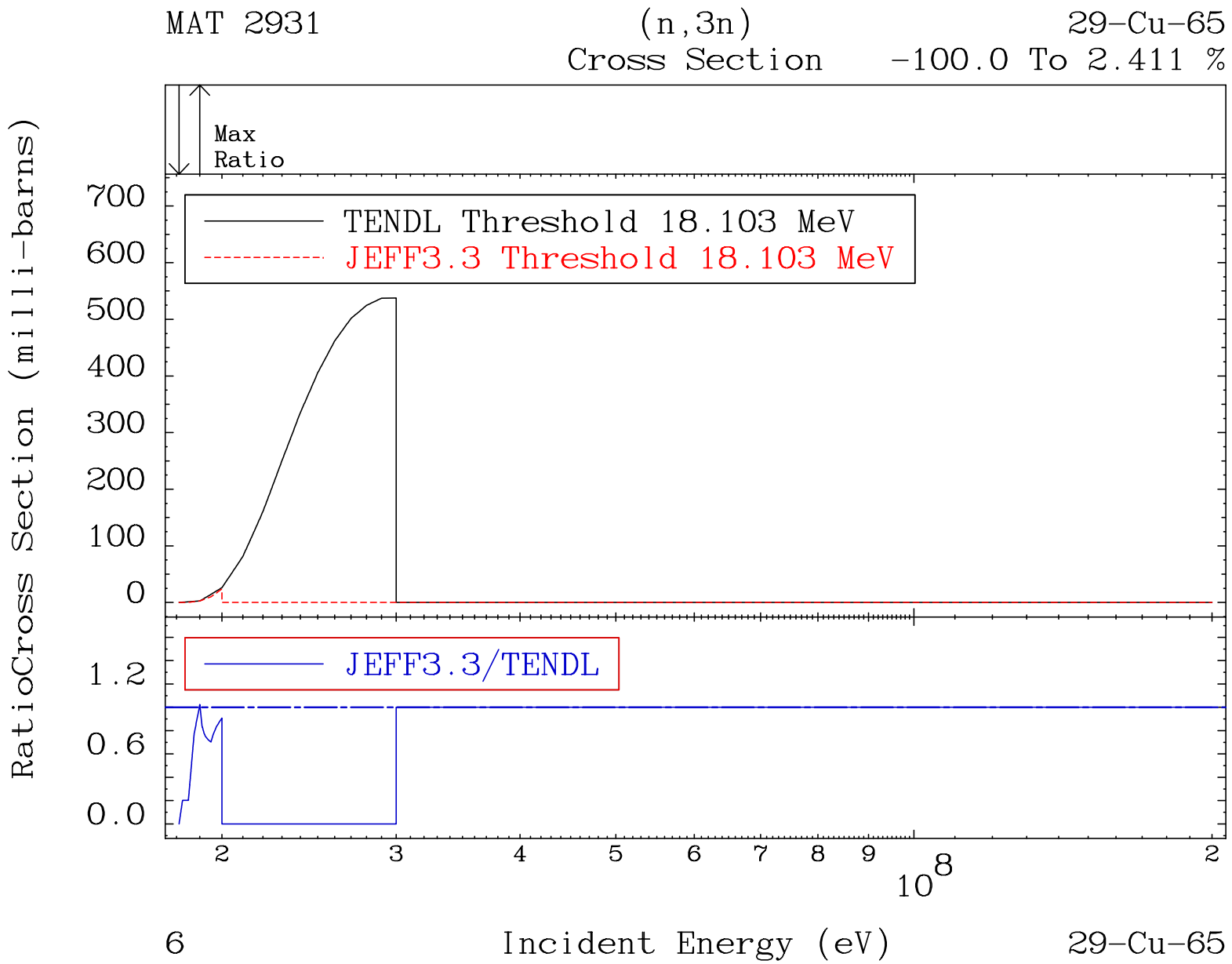

MAT 2931
Total
Cross Section
29-Cu-65
-98.99 To 4753. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
29-Cu-65

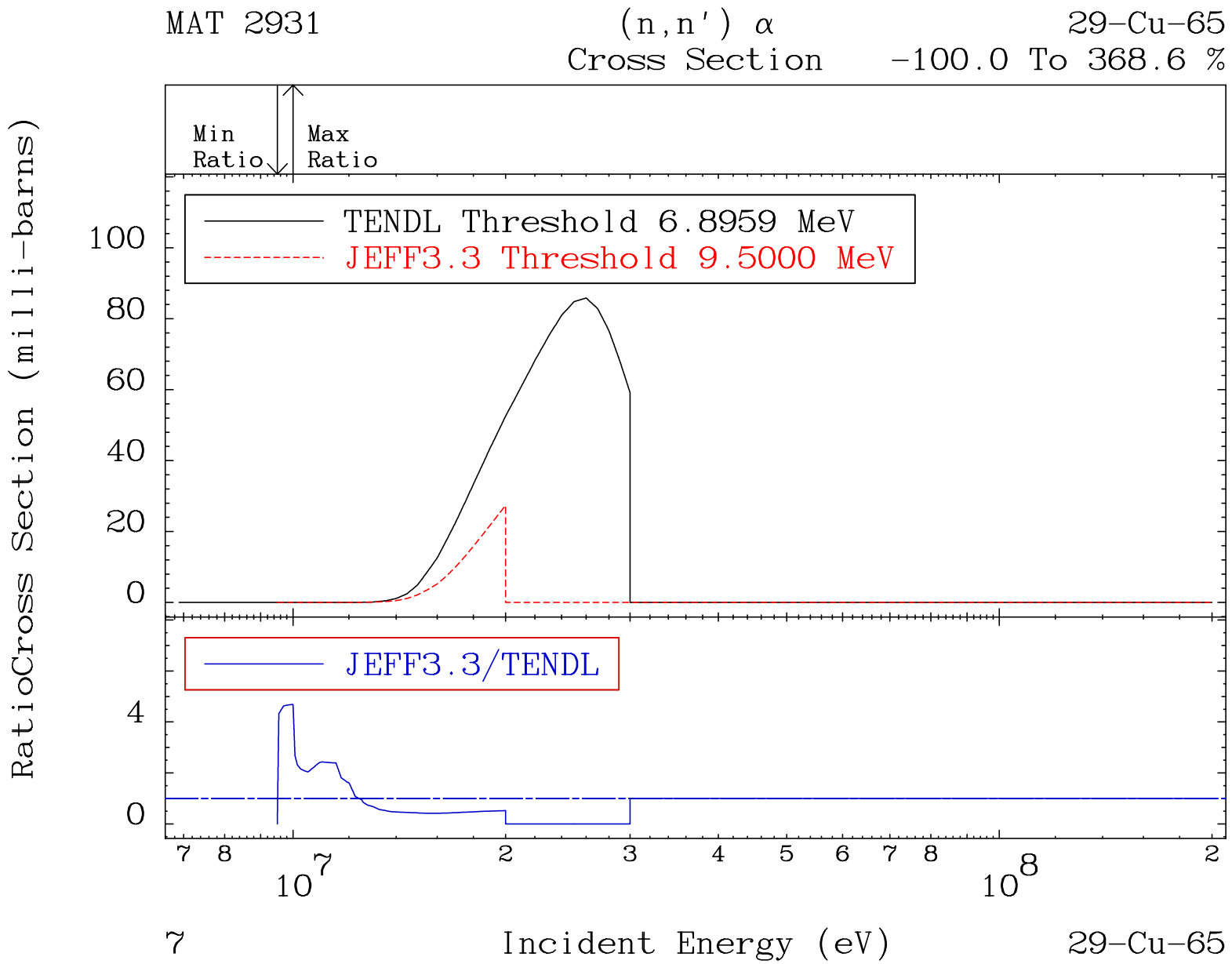

MAT 2931
Elastic
Cross Section
29-Cu-65
-99.09 To 4294. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
29-Cu-65

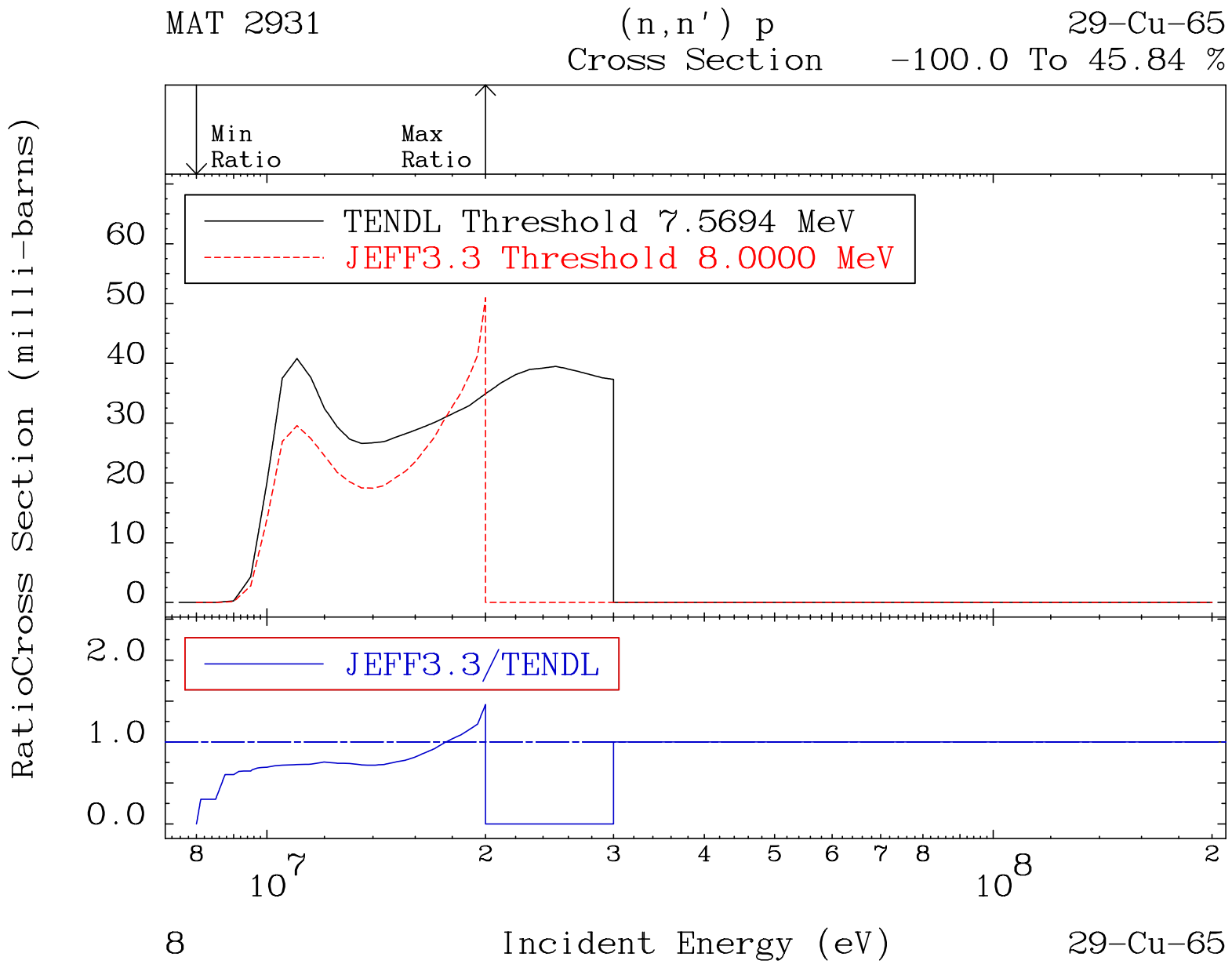

MAT 2931
Inelastic
Cross Section
29-Cu-65
-100.0 To 10.99 %
Max
Ratio
TENDL Threshold 782.61 keV
JEFF3.3 Threshold 782.61 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.2
0.6
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
3
Incident Energy (eV)
29-Cu-65

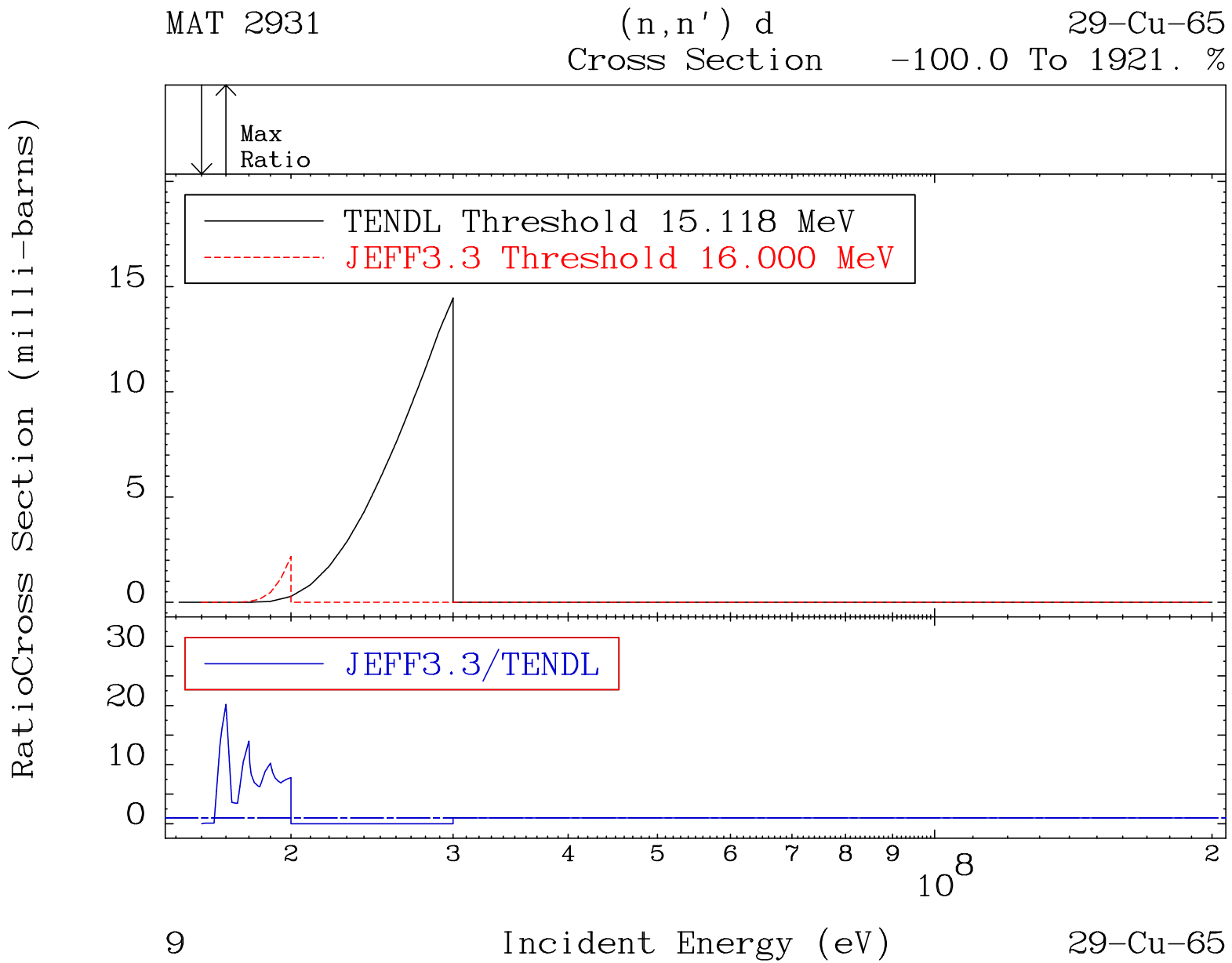

MAT 2931
(n,remainder)
29-Cu-65
Cross Section 0.001 To 3.512 %
Max Ratio
Min Ratio
TENDL Threshold 30.000 MeV
JEFF3.3 Threshold 20.000 MeV
Cross Section (barns)
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
29-Cu-65

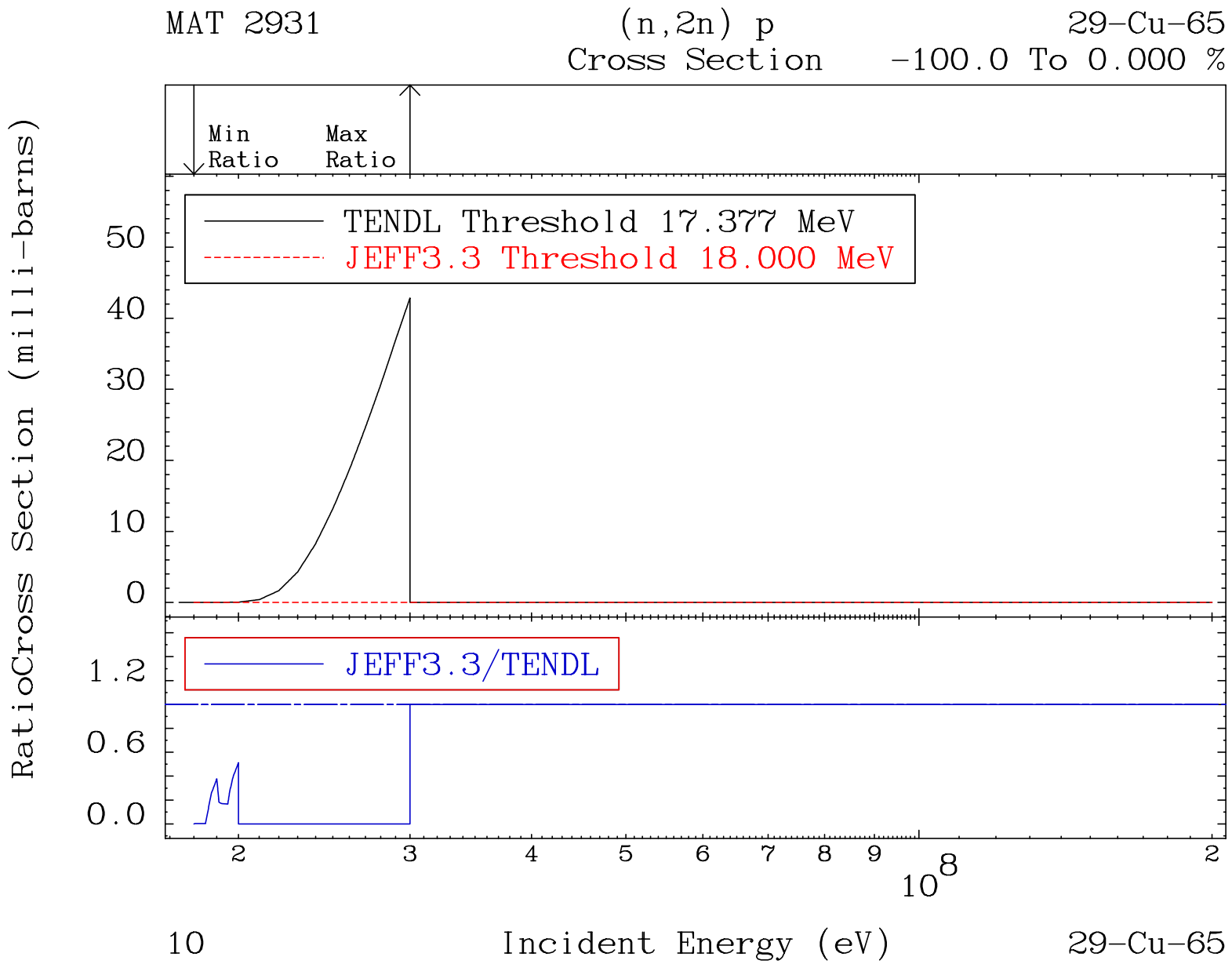

MAT 2931
(n,2n)
Cross Section
29-Cu-65
-100.0 To 10.04 %
Max
Ratio
TENDL Threshold 10.065 MeV
JEFF3.3 Threshold 10.065 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
Incident Energy (eV)
5
29-Cu-65

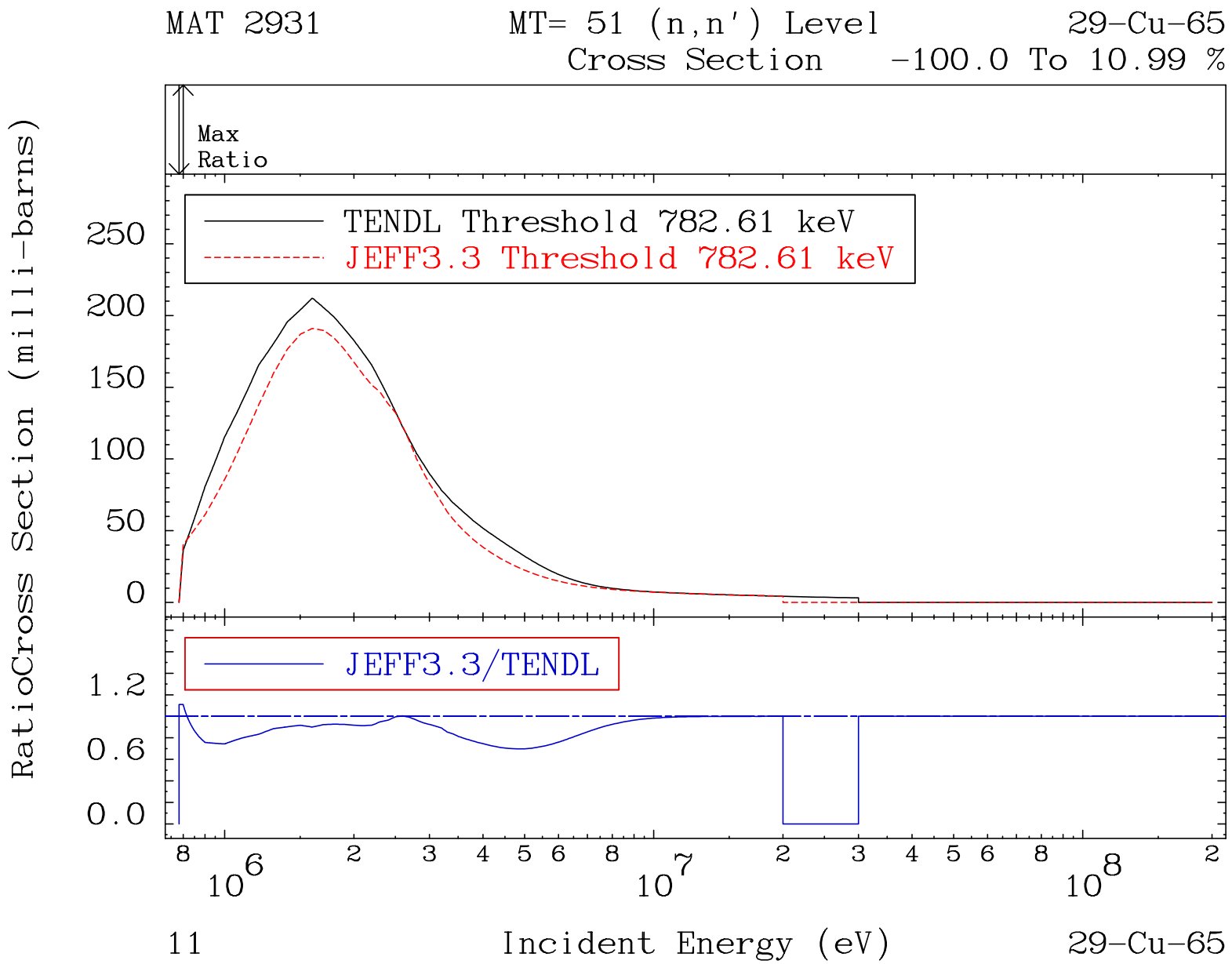

MAT 2931
(n,3n)
29-Cu-65
Cross Section
-100.0 To 2.411 %
Max
Ratio
700
600
500
400
300
200
100
0
TENDL Threshold 18.103 MeV
JEFF3.3 Threshold 18.103 MeV
1.2
0.6
0.0
JEFF3.3/TENDL
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
6
Incident Energy (eV)
29-Cu-65

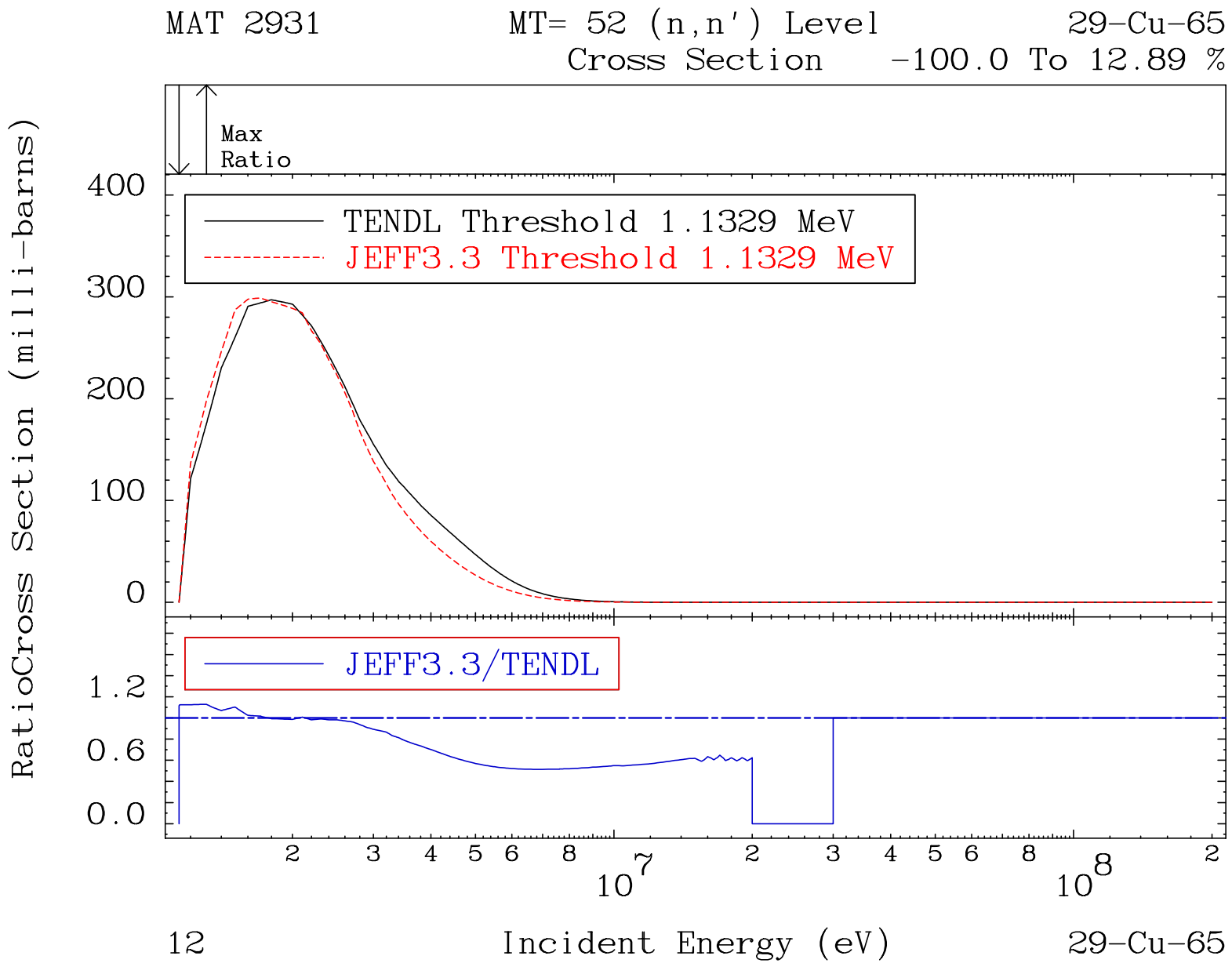

MAT 2931
(n,n') α
Cross Section
29-Cu-65
-100.0 To 368.6 %
Min Ratio
Max Ratio
TENDL Threshold 6.8959 MeV
JEFF3.3 Threshold 9.5000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
4
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
7
Incident Energy (eV)
29-Cu-65

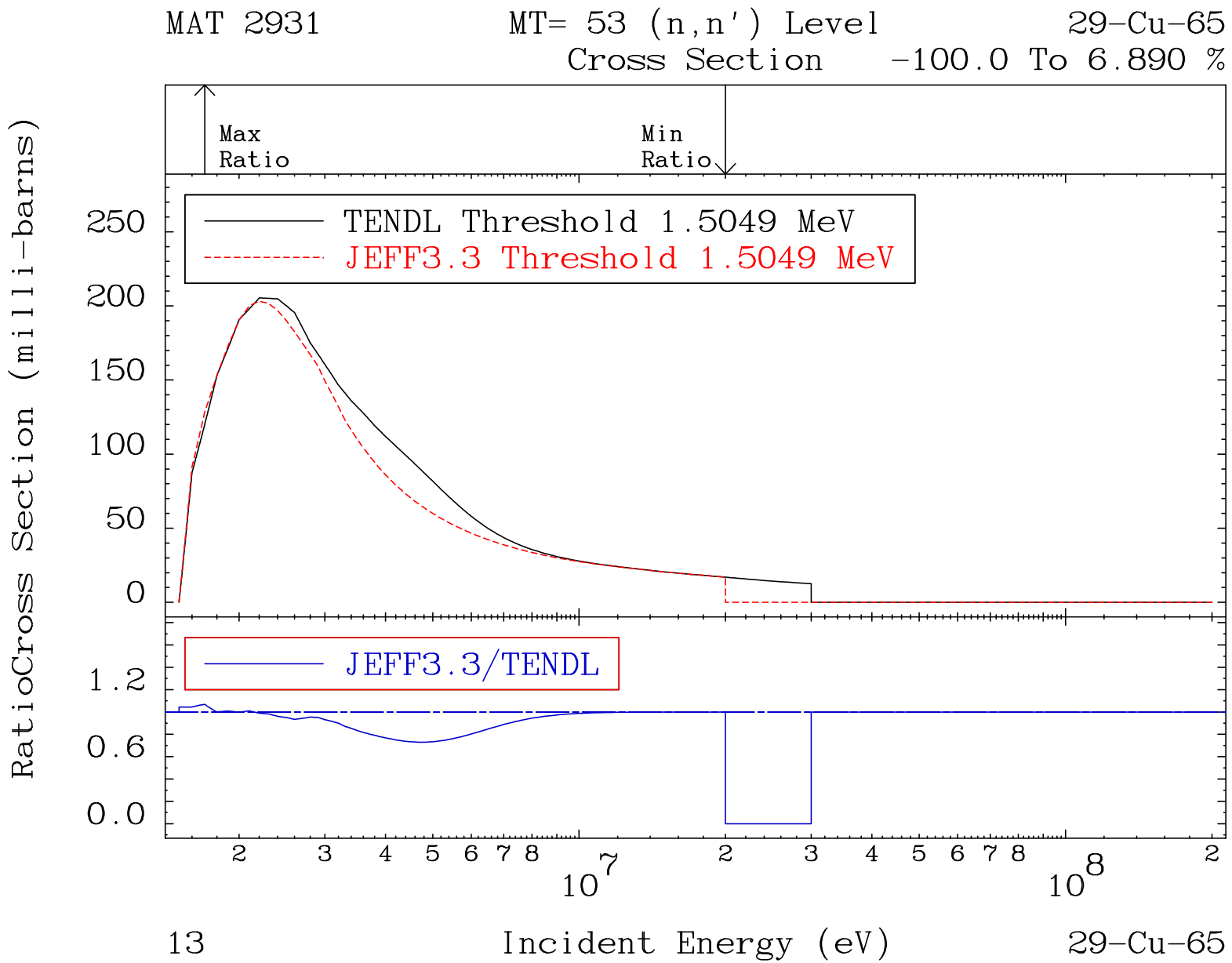

MAT 2931
(n,n') p
Cross Section
29-Cu-65
-100.0 To 45.84 %
Min Ratio
Max Ratio
TENDL Threshold 7.5694 MeV
JEFF3.3 Threshold 8.0000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
8
Incident Energy (eV)
29-Cu-65

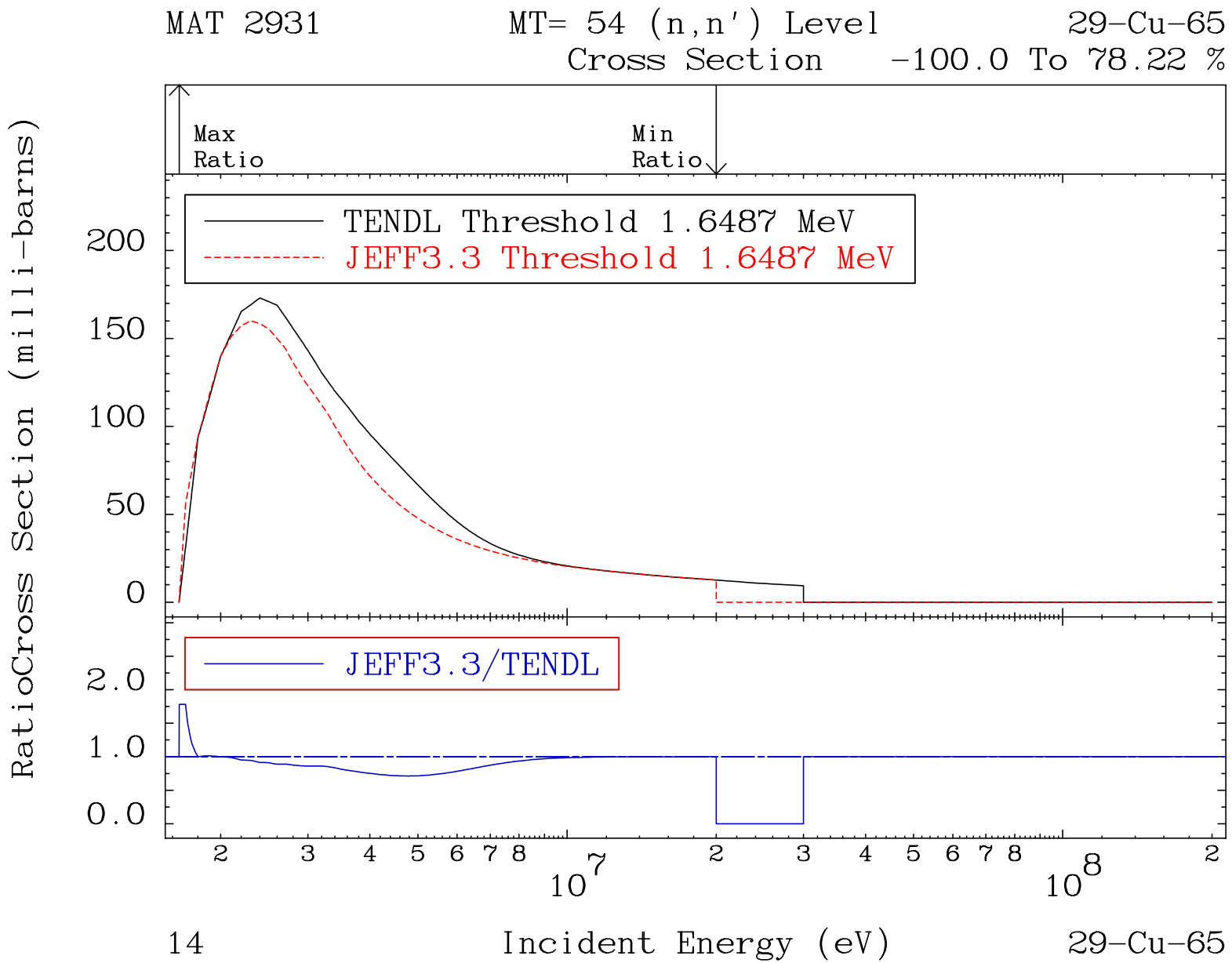

MAT 2931
(n,n') d
Cross Section
29-Cu-65
-100.0 To 1921. %
Max
Ratio
TENDL Threshold 15.118 MeV
JEFF3.3 Threshold 16.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
15
10
5
0
30
20
10
0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
29-Cu-65

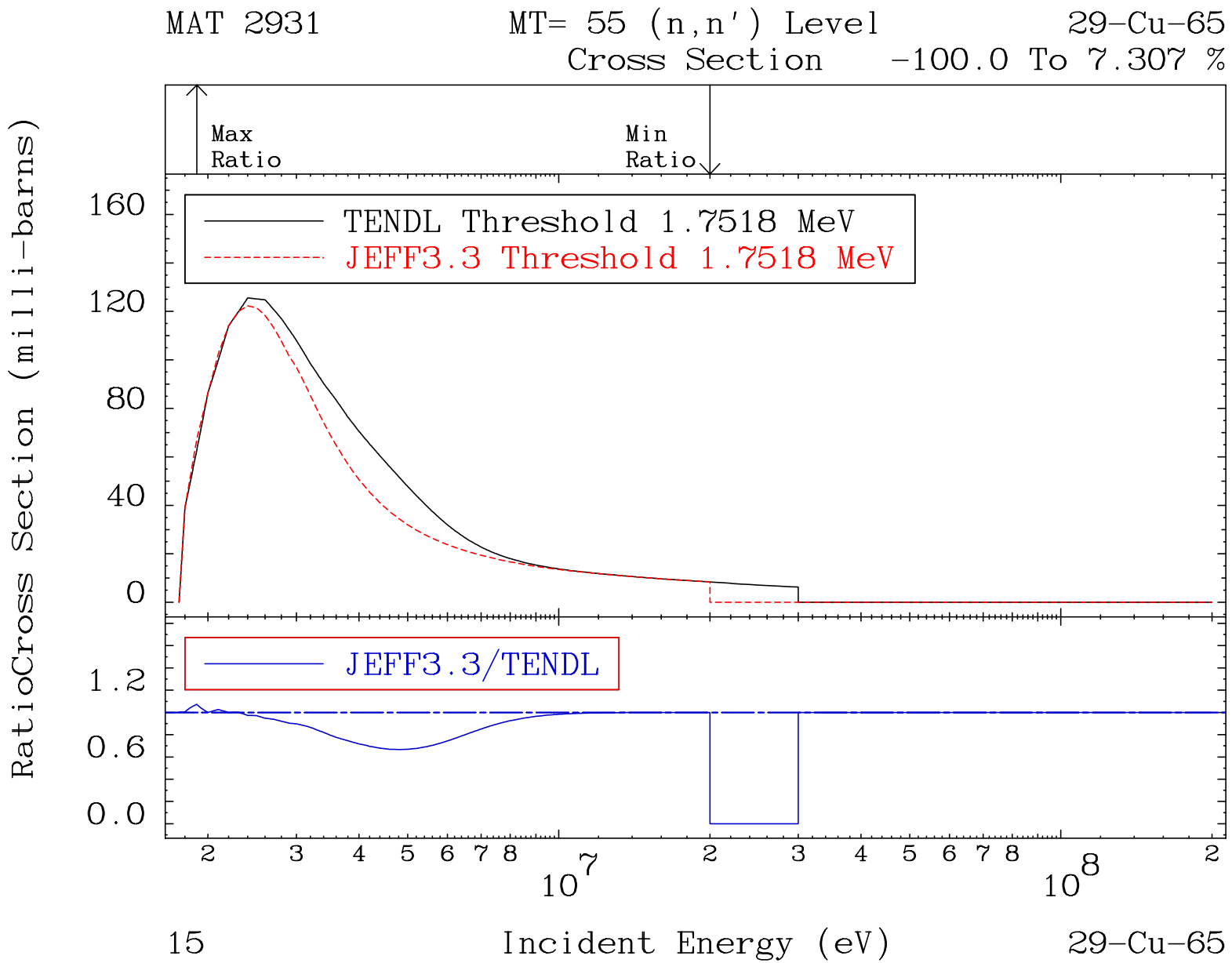

MAT 2931
(n,2n) p
Cross Section
29-Cu-65
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 17.377 MeV
JEFF3.3 Threshold 18.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
29-Cu-65

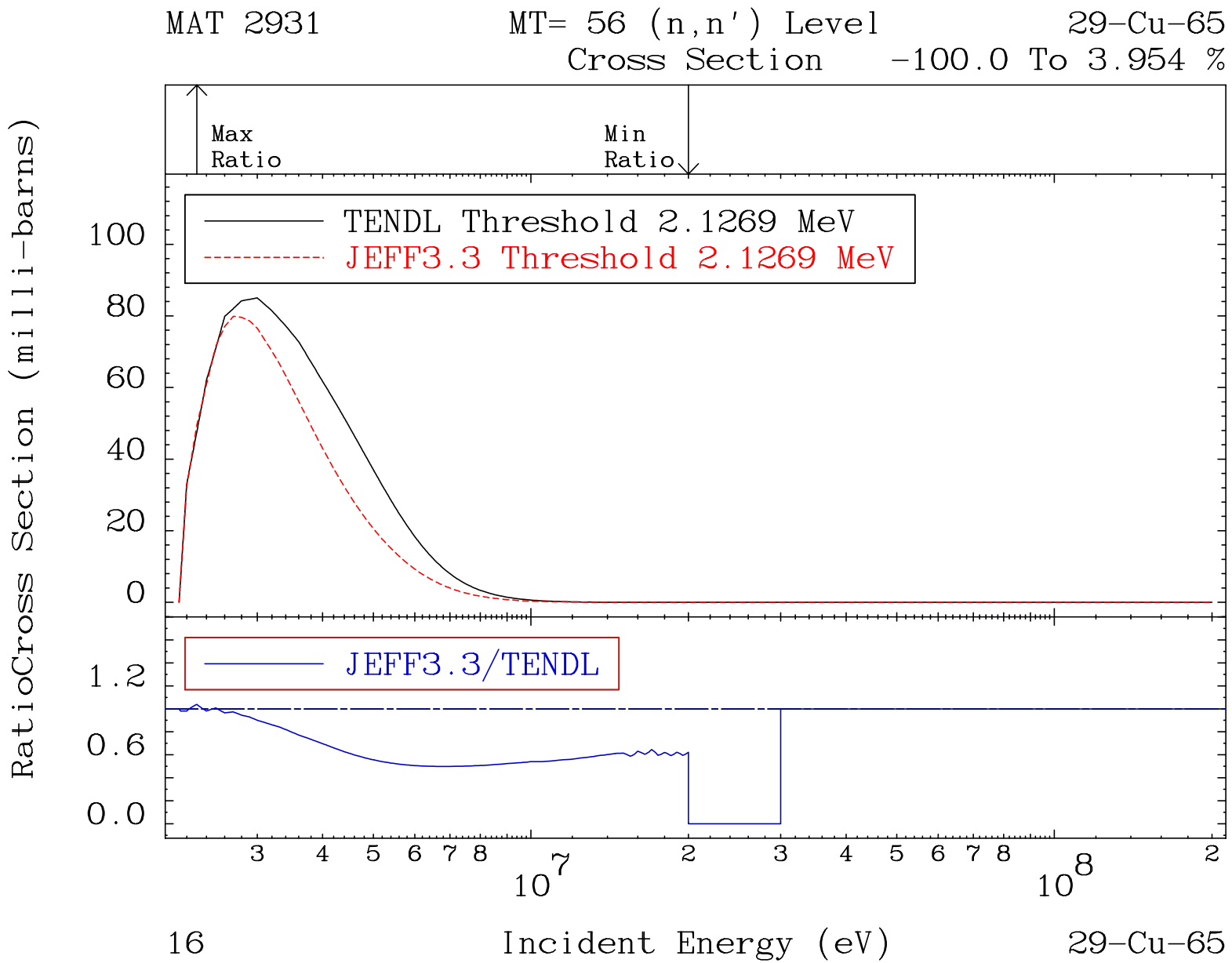

MAT 2931
MT= 51 (n,n') Level
29-Cu-65
Cross Section
-100.0 To 10.99 %
Max
Ratio
TENDL Threshold 782.61 keV
JEFF3.3 Threshold 782.61 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.2
0.6
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
11
Incident Energy (eV)
29-Cu-65

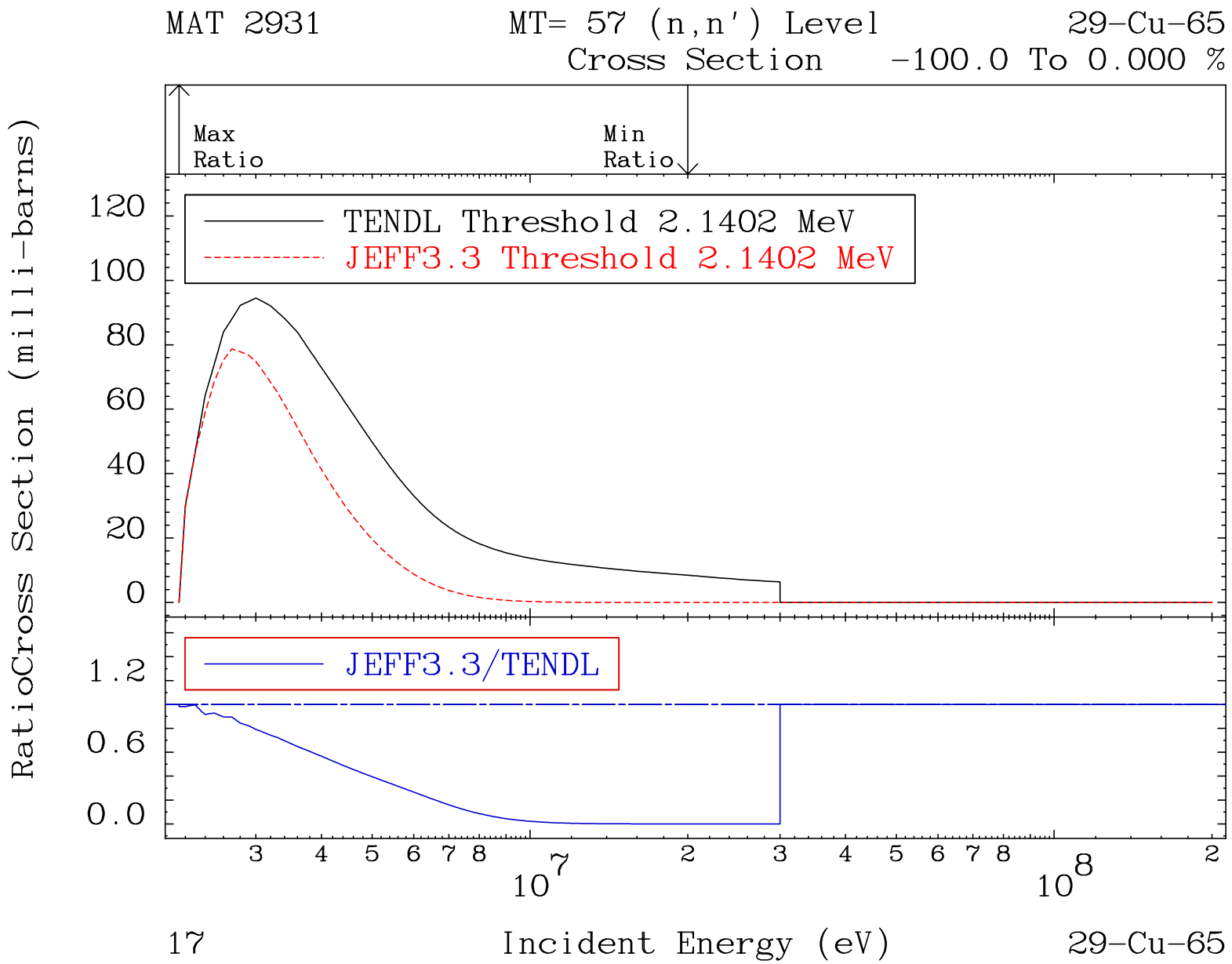

MAT 2931
MT= 52 (n,n') Level
29-Cu-65
Cross Section -100.0 To 12.89 %
Max
Ratio
400
300
200
100
0
TENDL Threshold 1.1329 MeV
JEFF3.3 Threshold 1.1329 MeV
JEFF3.3/TENDL
1.2
0.6
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
RatioCross Section (milli-barns)
12
Incident Energy (eV)
29-Cu-65

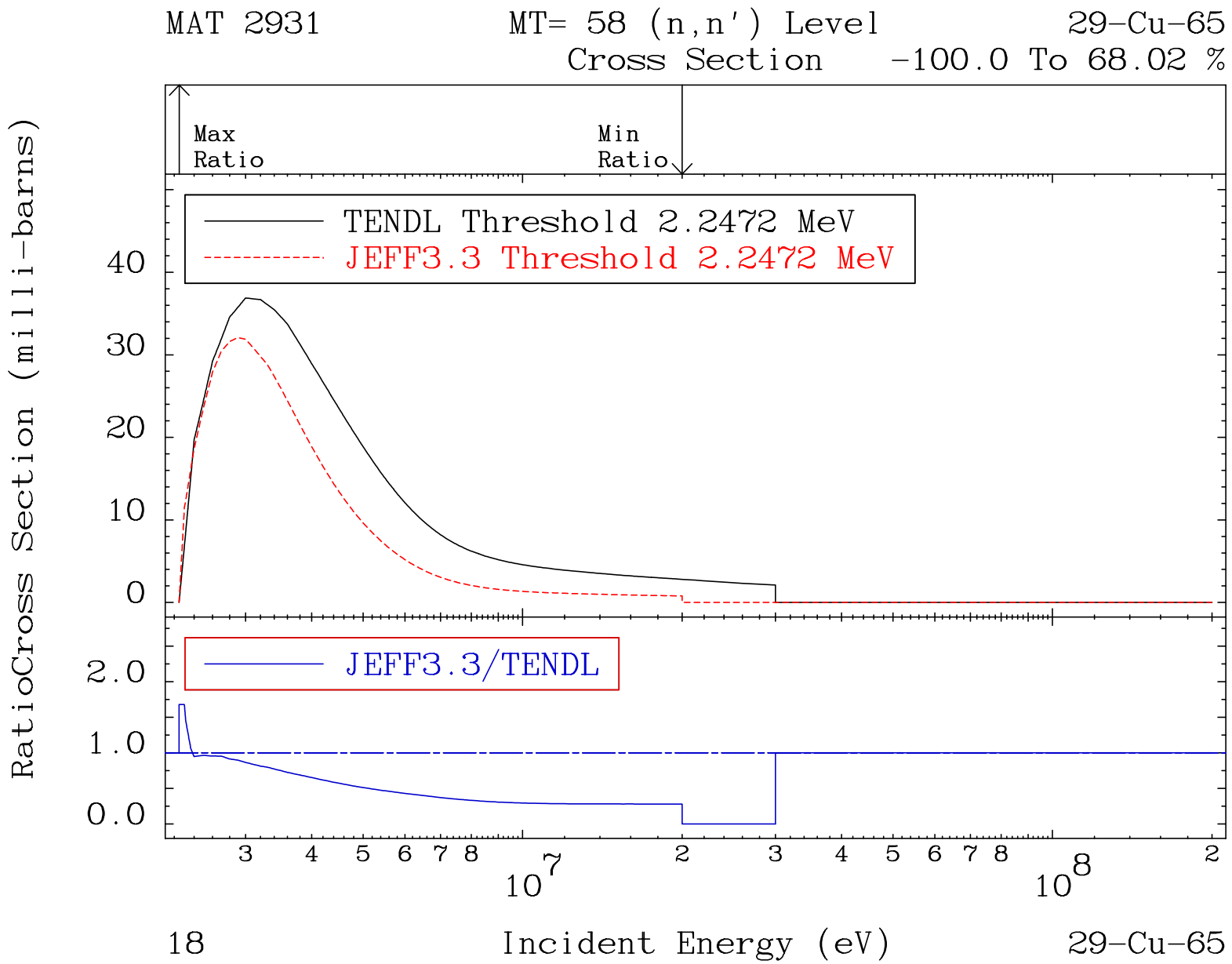

MAT 2931
MT= 53 (n,n') Level
29-Cu-65
Cross Section
-100.0 To 6.890 %
Max Ratio
Min Ratio
TENDL Threshold 1.5049 MeV
JEFF3.3 Threshold 1.5049 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
29-Cu-65

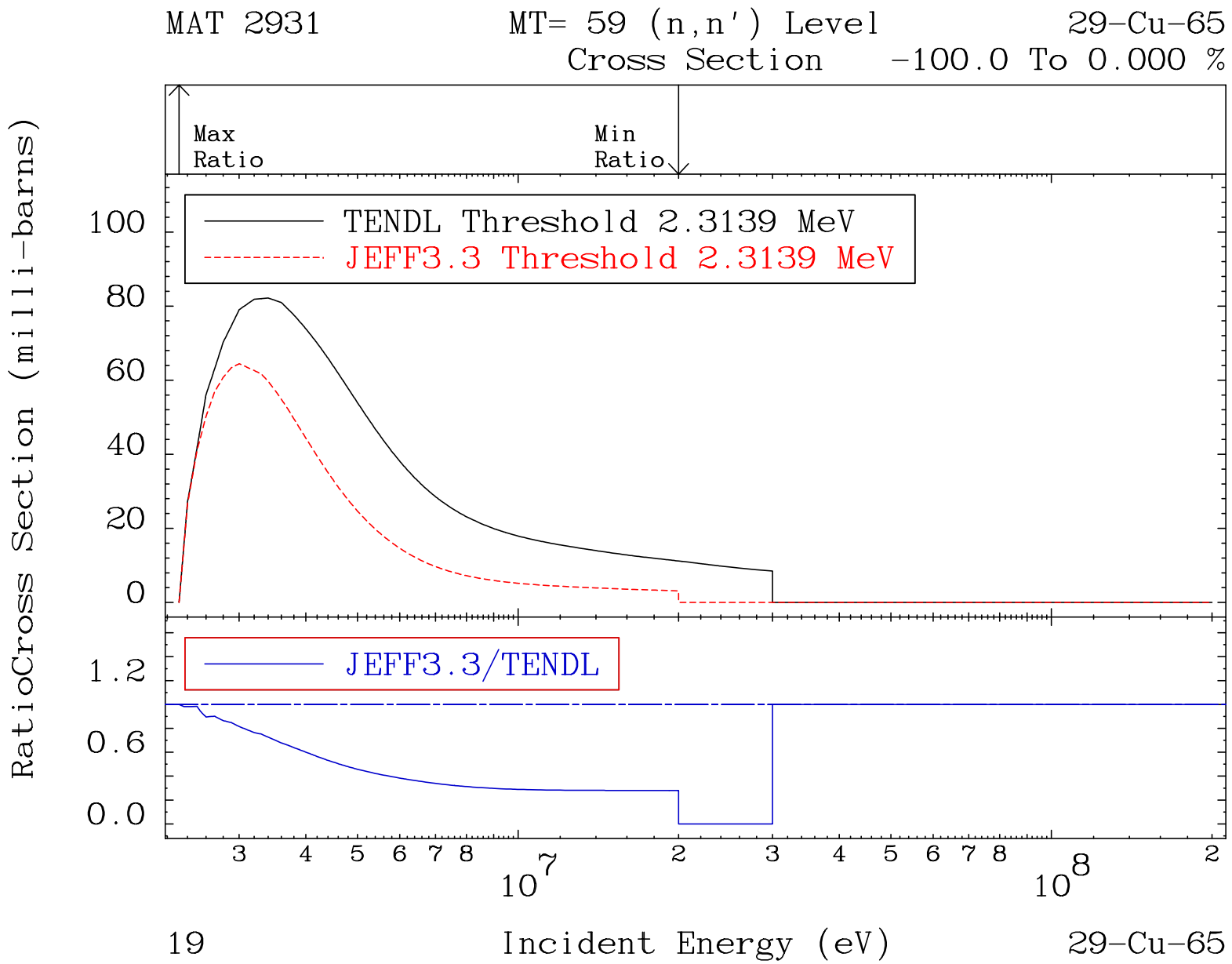

MAT 2931
MT= 54 (n,n') Level
29-Cu-65
Cross Section
-100.0 To 78.22 %
Max Ratio
Min Ratio
TENDL Threshold 1.6487 MeV
JEFF3.3 Threshold 1.6487 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
29-Cu-65

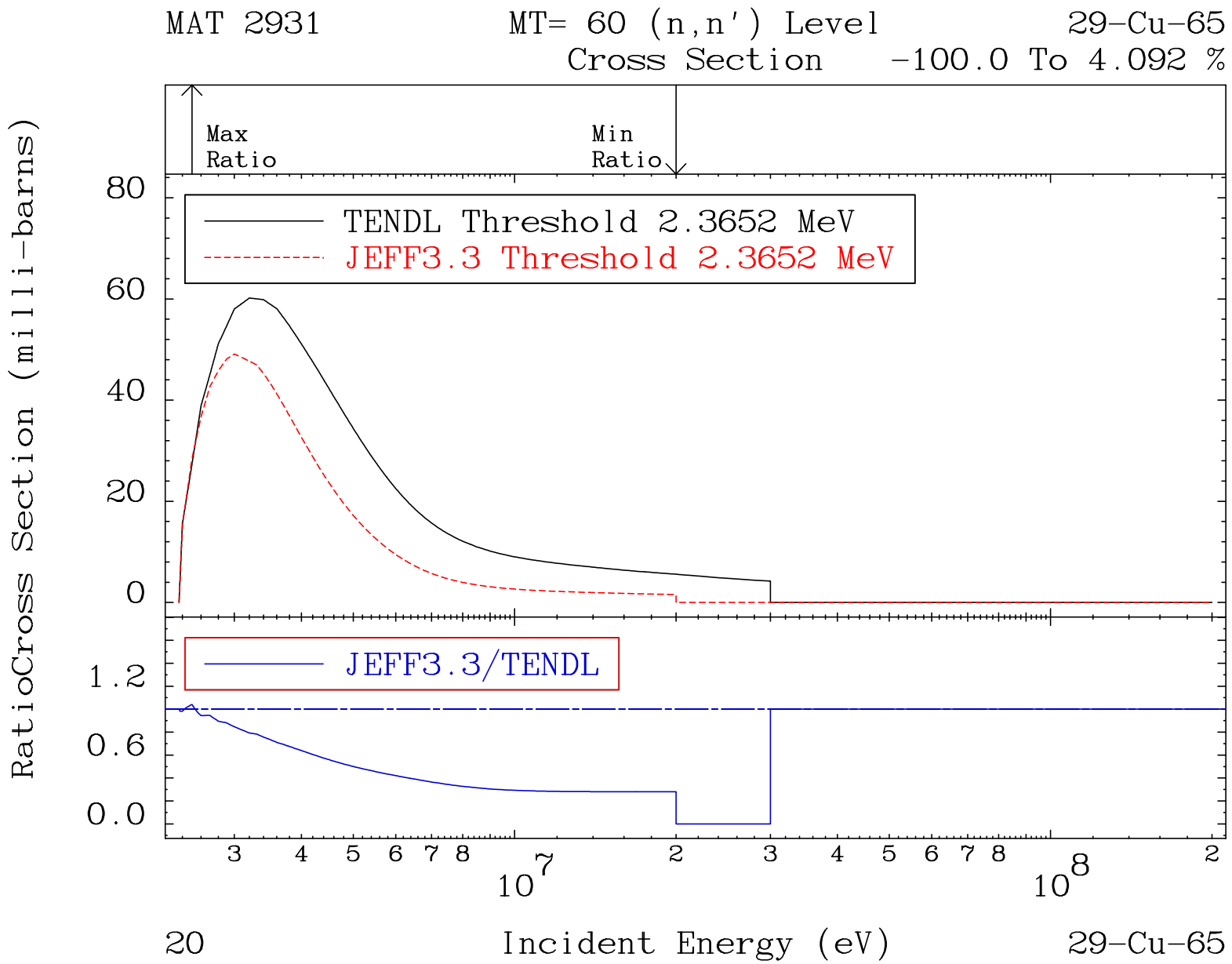

MAT 2931
MT= 55 (n,n') Level
29-Cu-65
Cross Section
-100.0 To 7.307 %
Max Ratio
Min Ratio
TENDL Threshold 1.7518 MeV
JEFF3.3 Threshold 1.7518 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
29-Cu-65

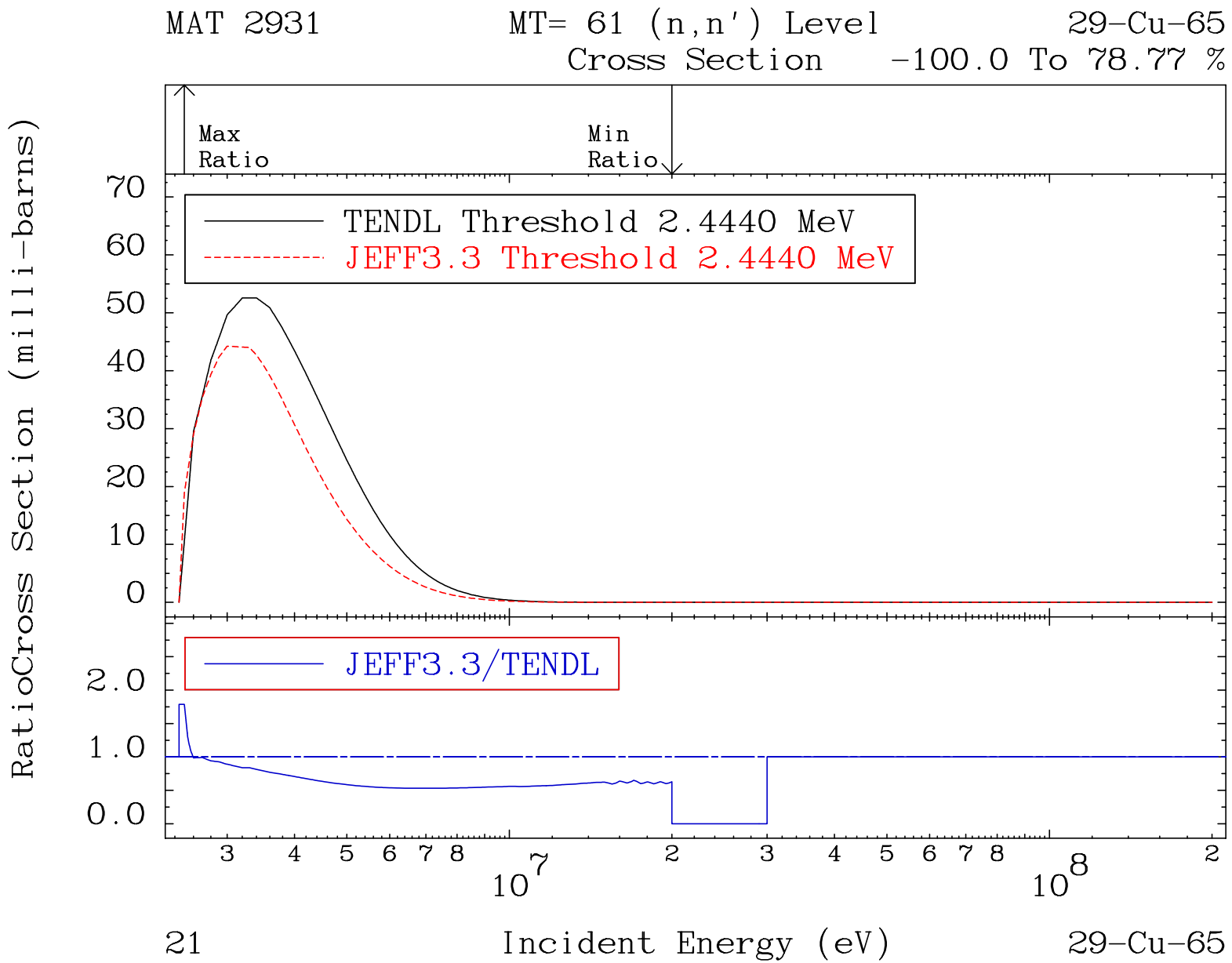

MAT 2931
MT= 56 (n,n') Level
29-Cu-65
Cross Section -100.0 To 3.954 %
Max Ratio
Min Ratio
TENDL Threshold 2.1269 MeV
JEFF3.3 Threshold 2.1269 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
29-Cu-65

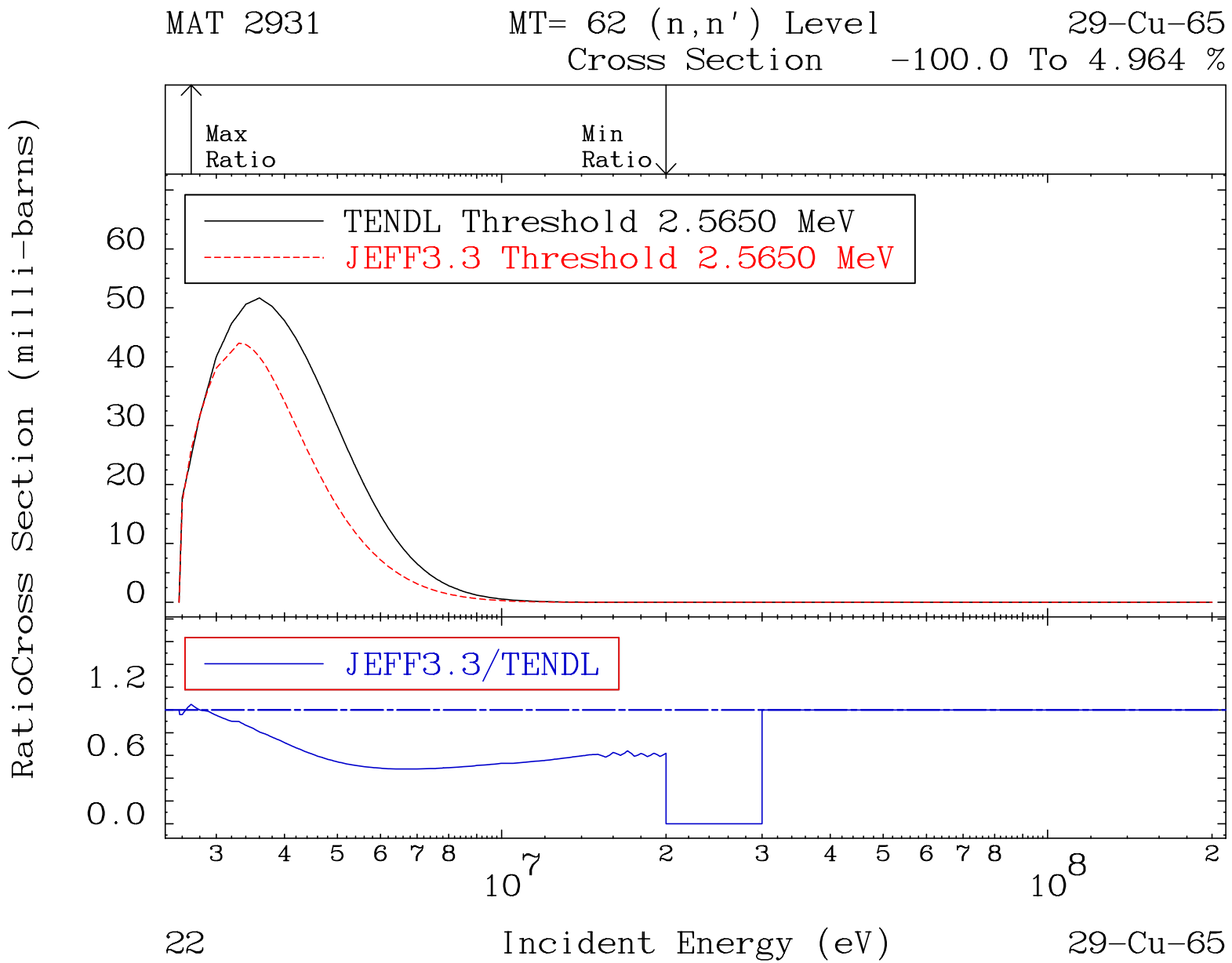

MAT 2931
MT= 57 (n,n') Level
29-Cu-65
Cross Section -100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 2.1402 MeV
JEFF3.3 Threshold 2.1402 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
29-Cu-65

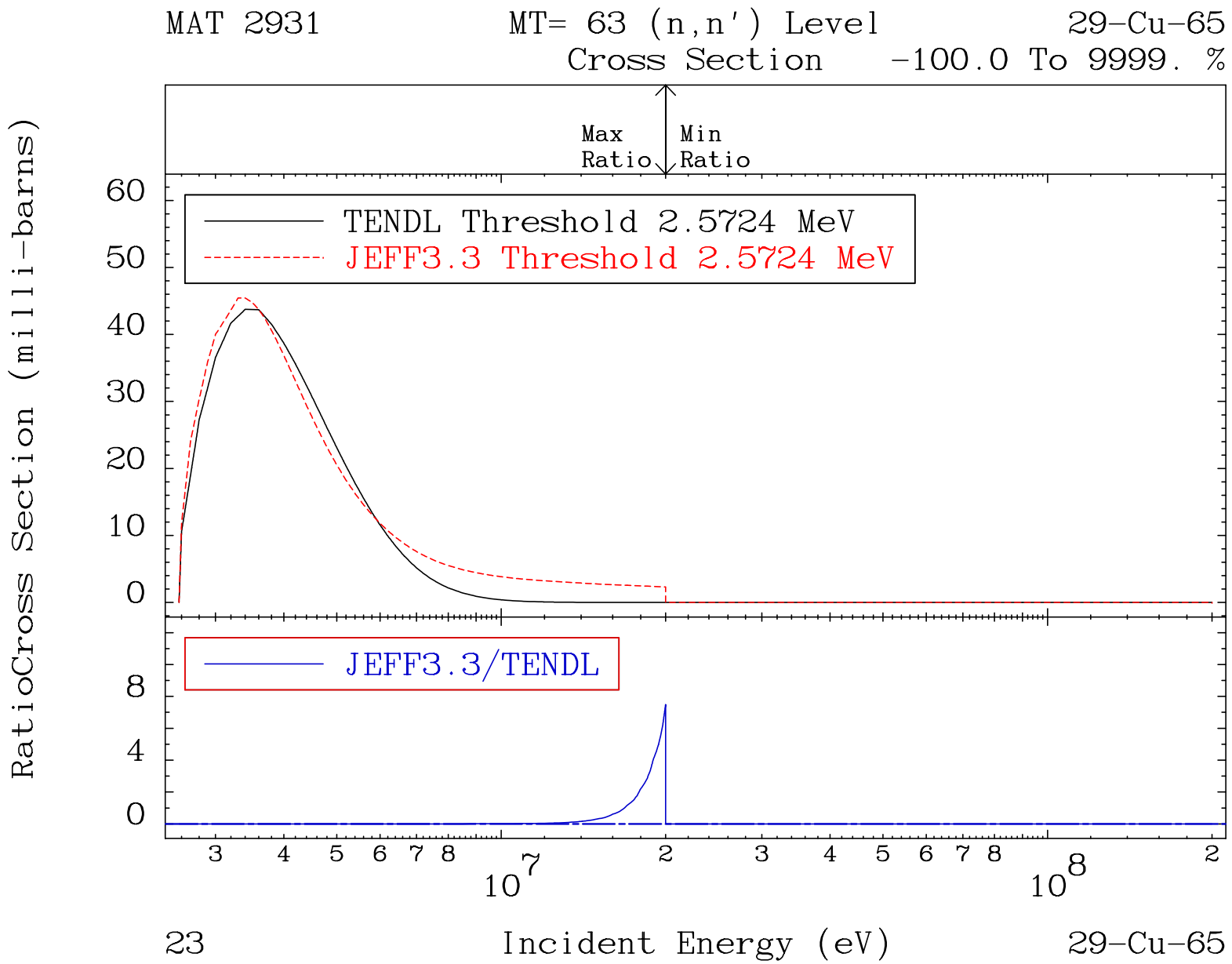

MAT 2931
MT= 58 (n,n') Level
29-Cu-65
Cross Section -100.0 To 68.02 %
Max Ratio
Min Ratio
TENDL Threshold 2.2472 MeV
JEFF3.3 Threshold 2.2472 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
29-Cu-65

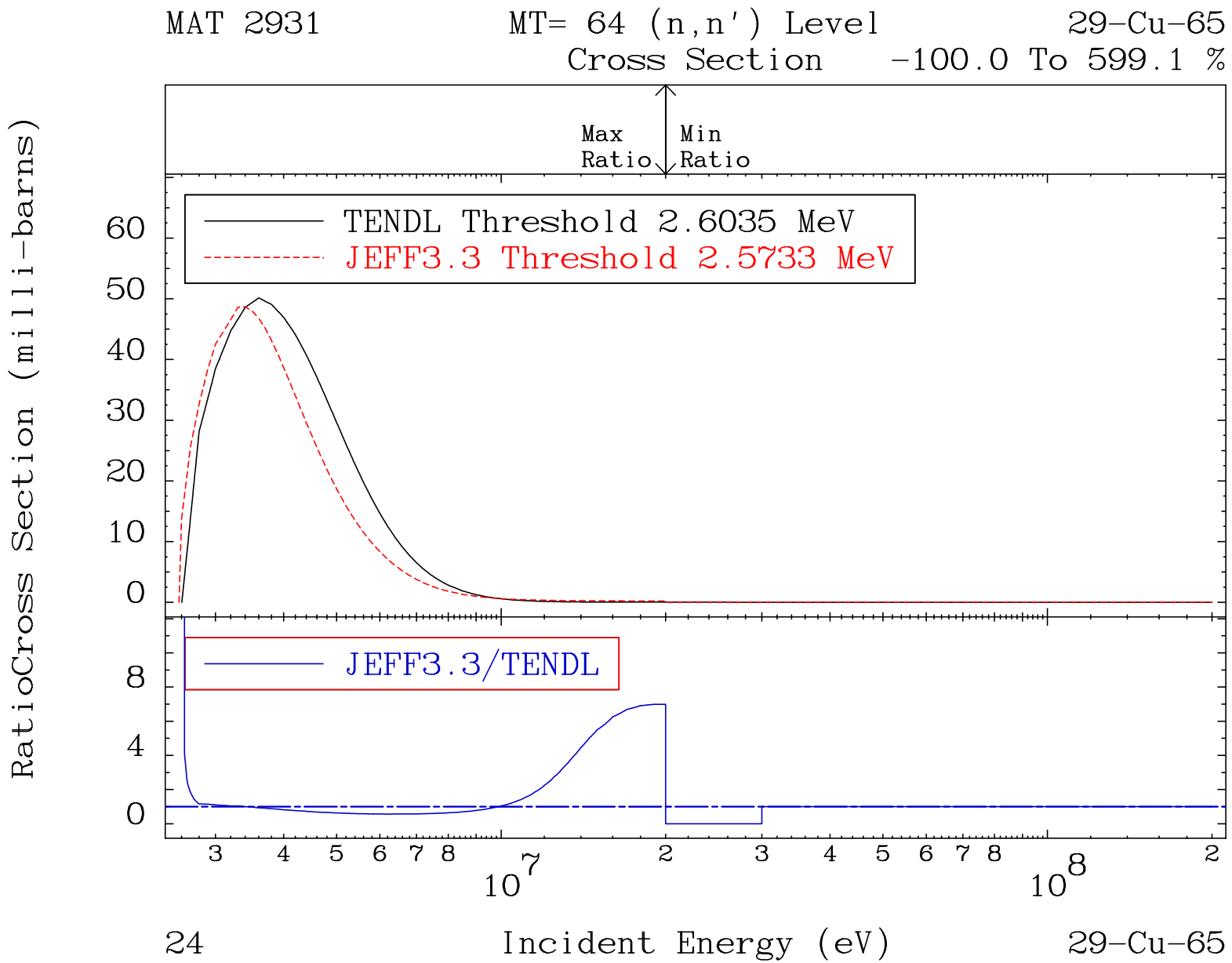

MAT 2931
MT= 59 (n,n') Level
29-Cu-65
Cross Section -100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 2.3139 MeV
JEFF3.3 Threshold 2.3139 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
29-Cu-65

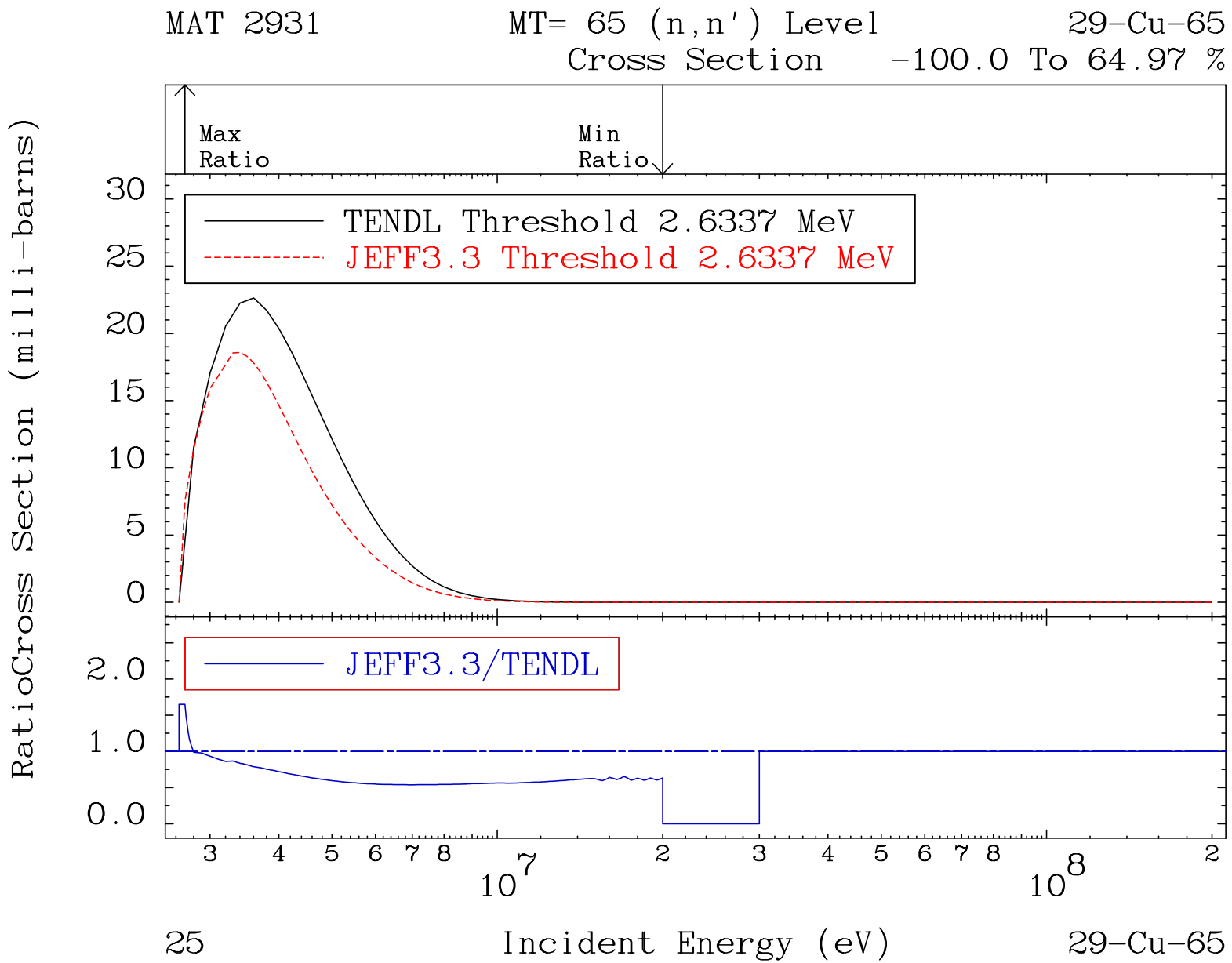

MAT 2931
MT= 60 (n,n') Level
29-Cu-65
Cross Section -100.0 To 4.092 %
Max Ratio
Min Ratio
TENDL Threshold 2.3652 MeV
JEFF3.3 Threshold 2.3652 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
29-Cu-65

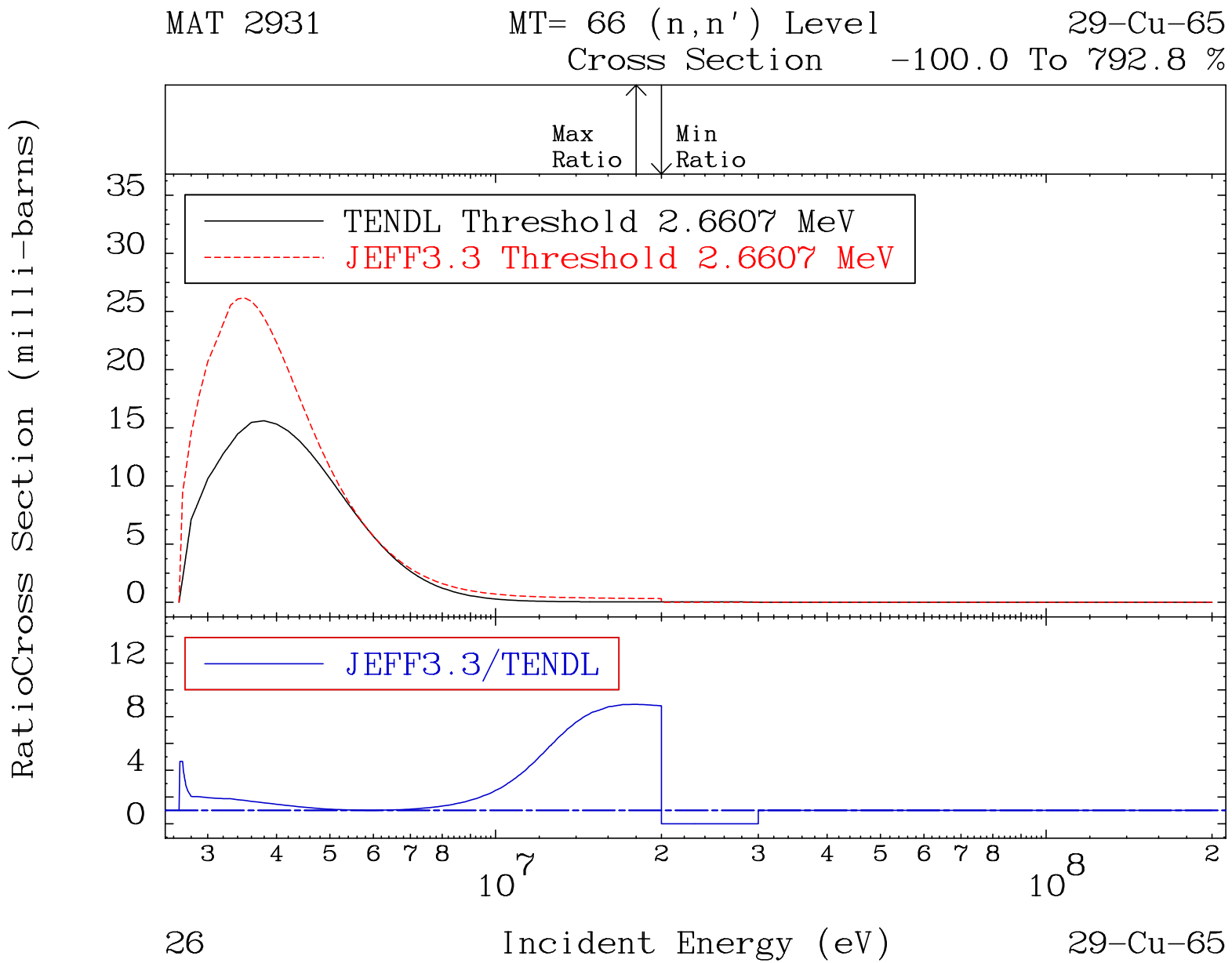

MAT 2931
MT= 61 (n,n') Level
29-Cu-65
Cross Section -100.0 To 78.77 %
Max Ratio
Min Ratio
TENDL Threshold 2.4440 MeV
JEFF3.3 Threshold 2.4440 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
29-Cu-65

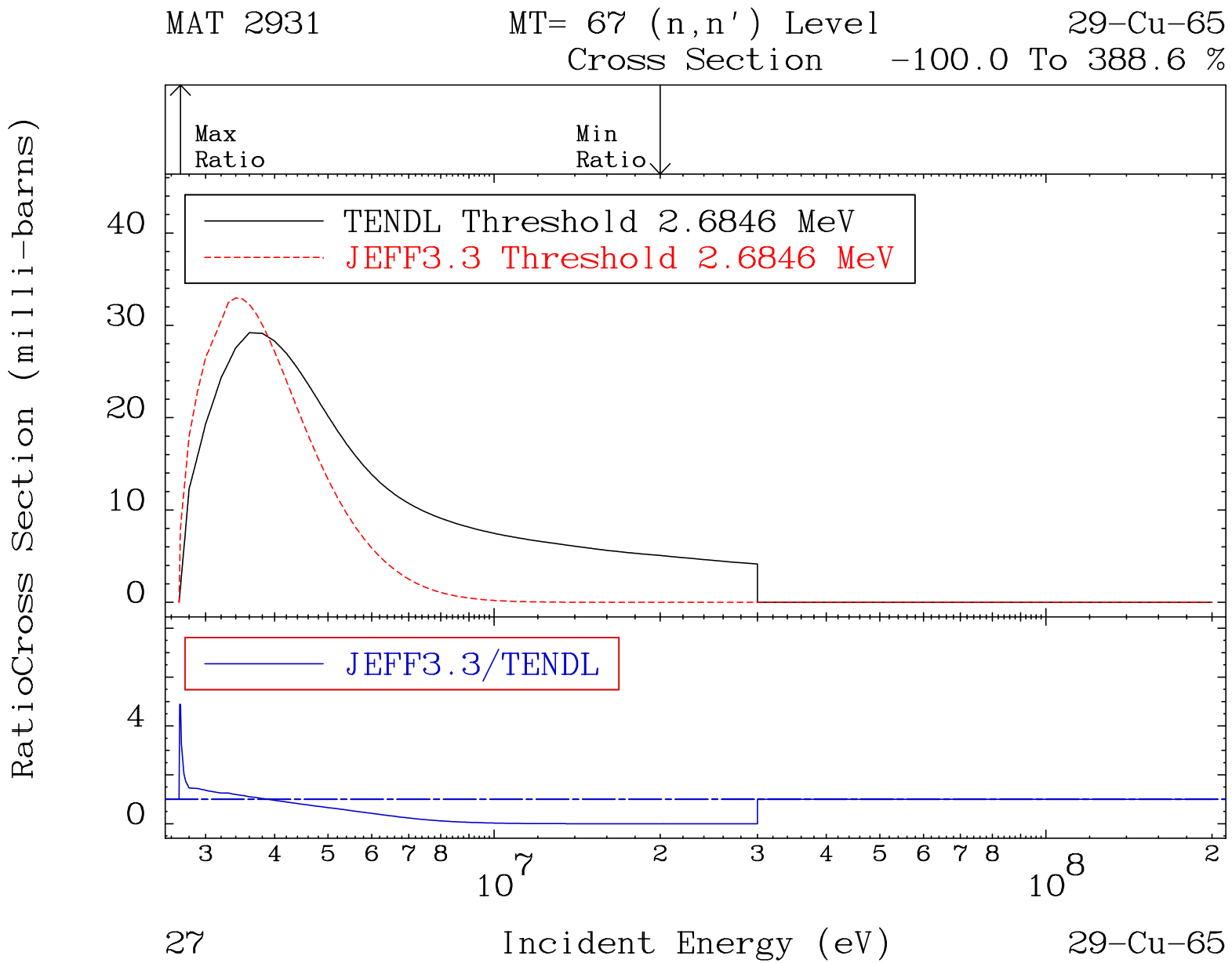

MAT 2931
MT= 62 (n,n') Level
29-Cu-65
Cross Section -100.0 To 4.964 %
Max Ratio
Min Ratio
TENDL Threshold 2.5650 MeV
JEFF3.3 Threshold 2.5650 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
29-Cu-65

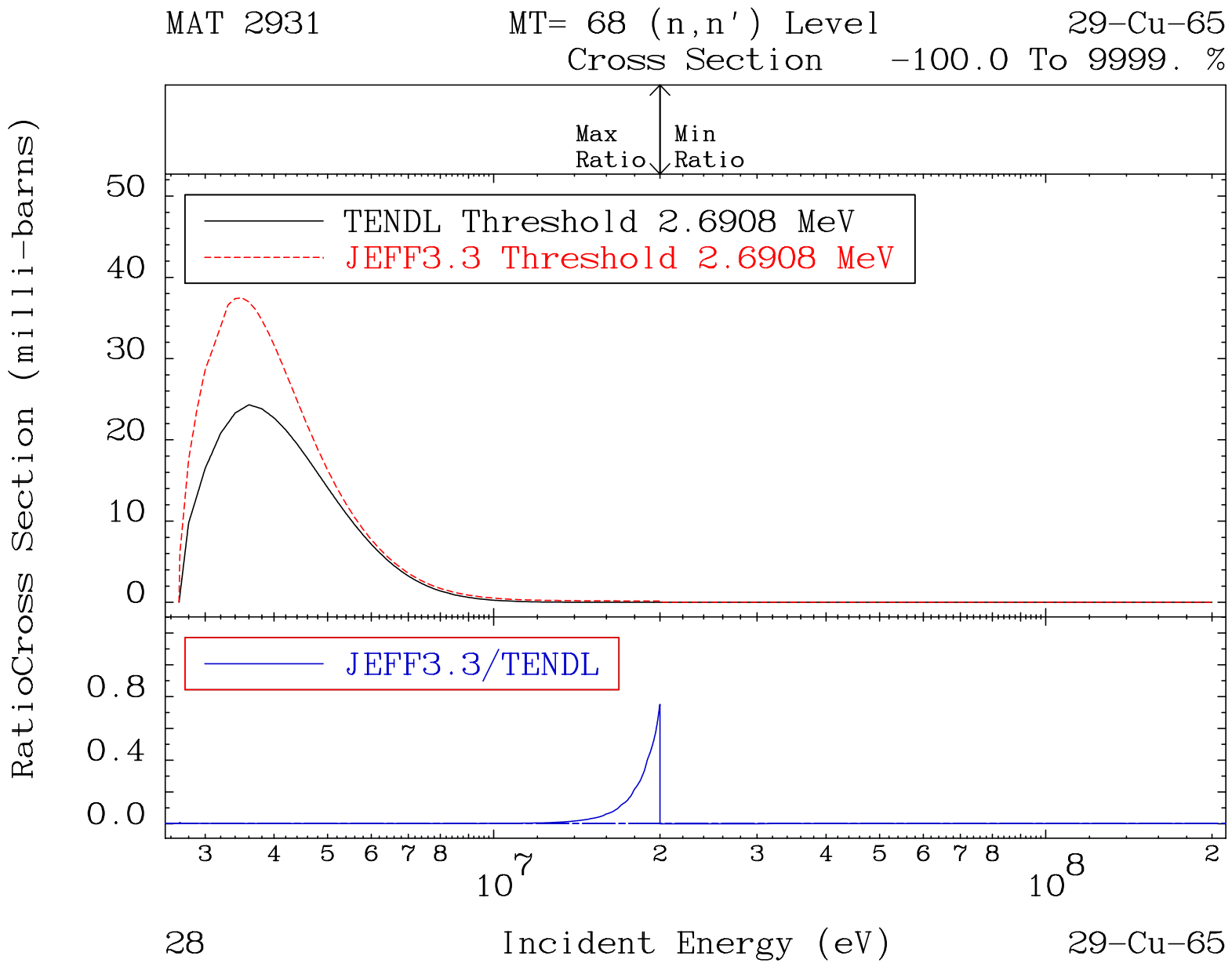

MAT 2931
MT= 63 (n,n') Level
29-Cu-65
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.5724 MeV
JEFF3.3 Threshold 2.5724 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
8
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
29-Cu-65

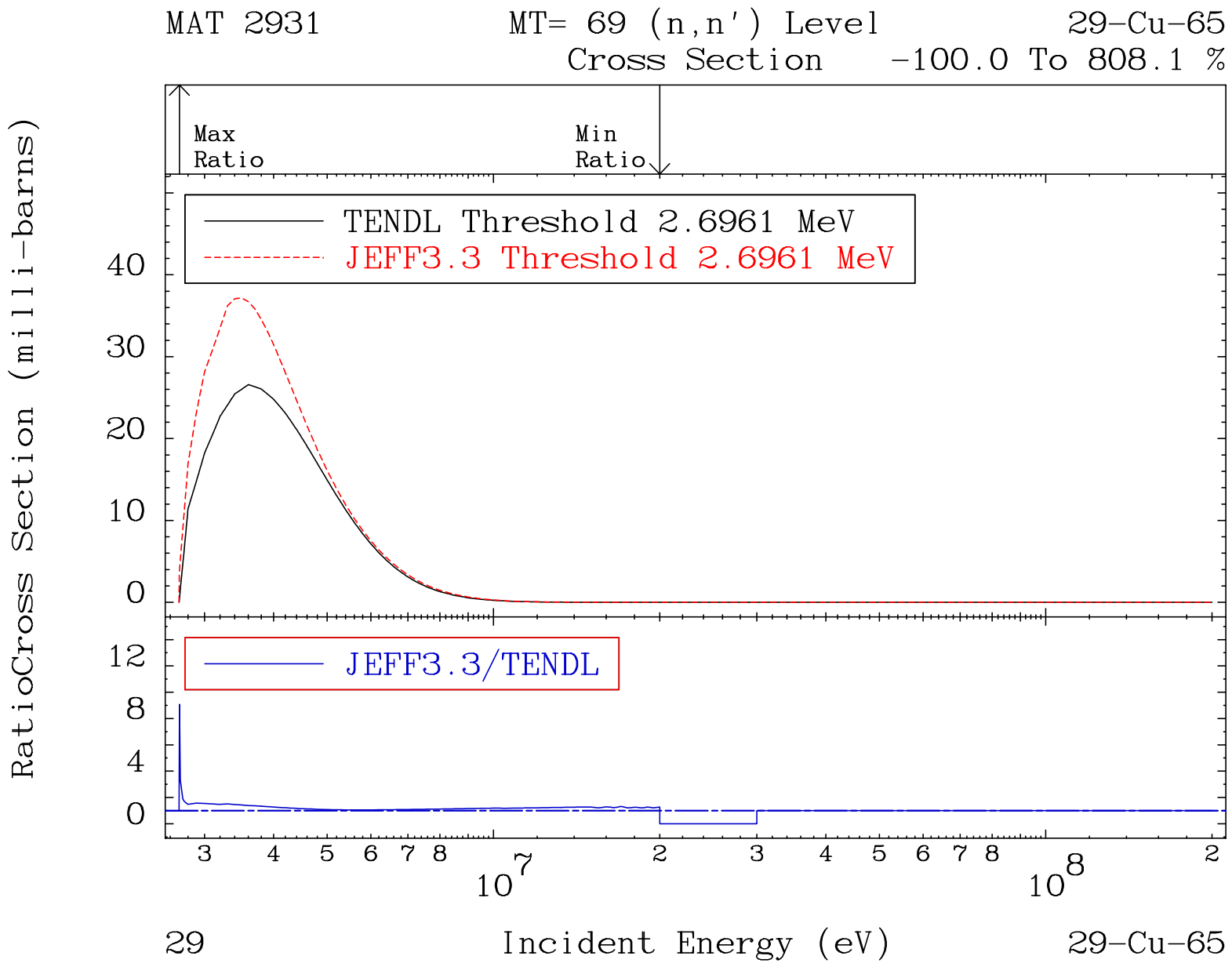

MAT 2931
MT= 64 (n,n') Level
29-Cu-65
Cross Section -100.0 To 599.1 %
Max Ratio
Min Ratio
TENDL Threshold 2.6035 MeV
JEFF3.3 Threshold 2.5733 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
8
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
29-Cu-65

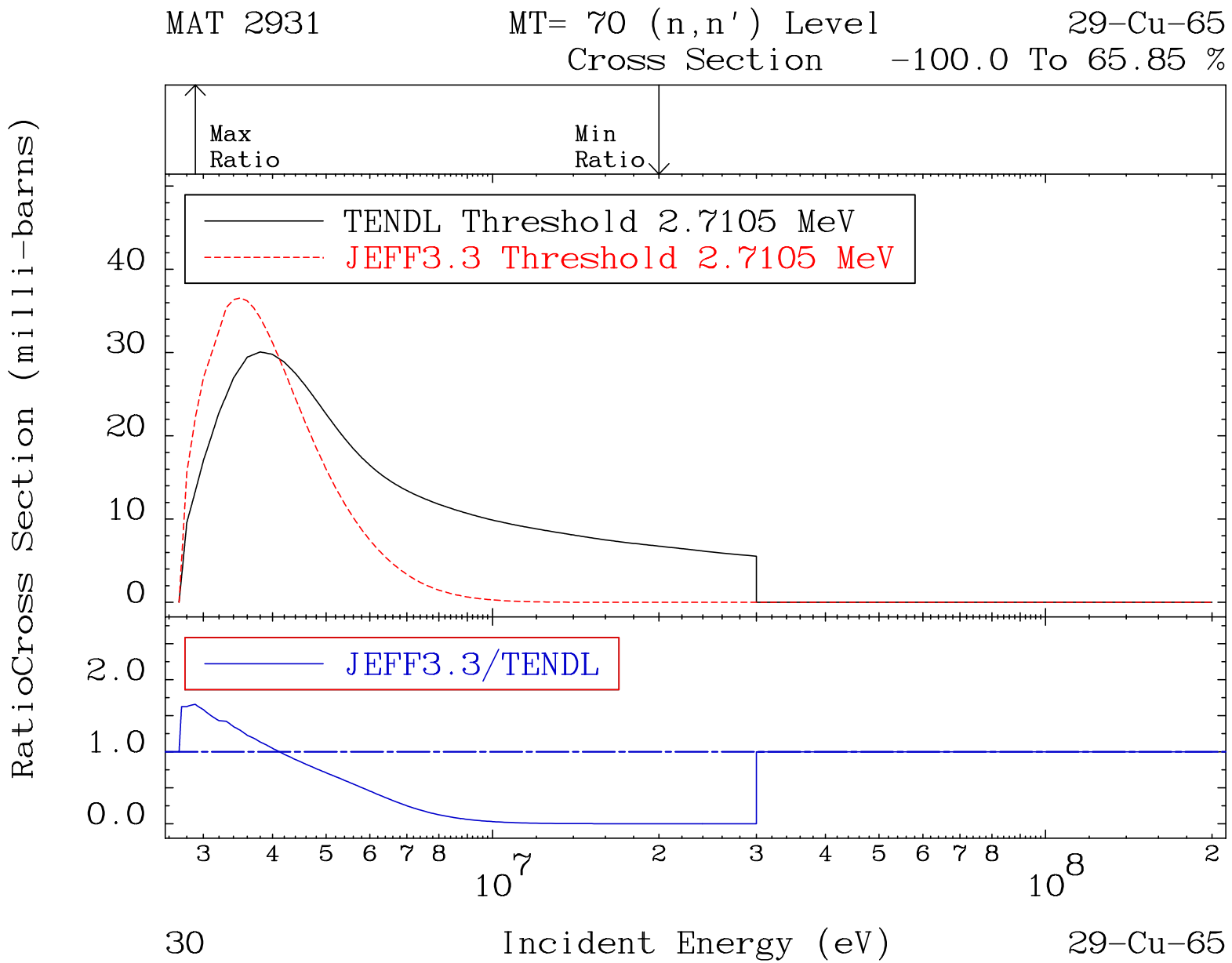

MAT 2931
MT= 65 (n,n') Level
29-Cu-65
Cross Section -100.0 To 64.97 %
Max Ratio
Min Ratio
TENDL Threshold 2.6337 MeV
JEFF3.3 Threshold 2.6337 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
29-Cu-65

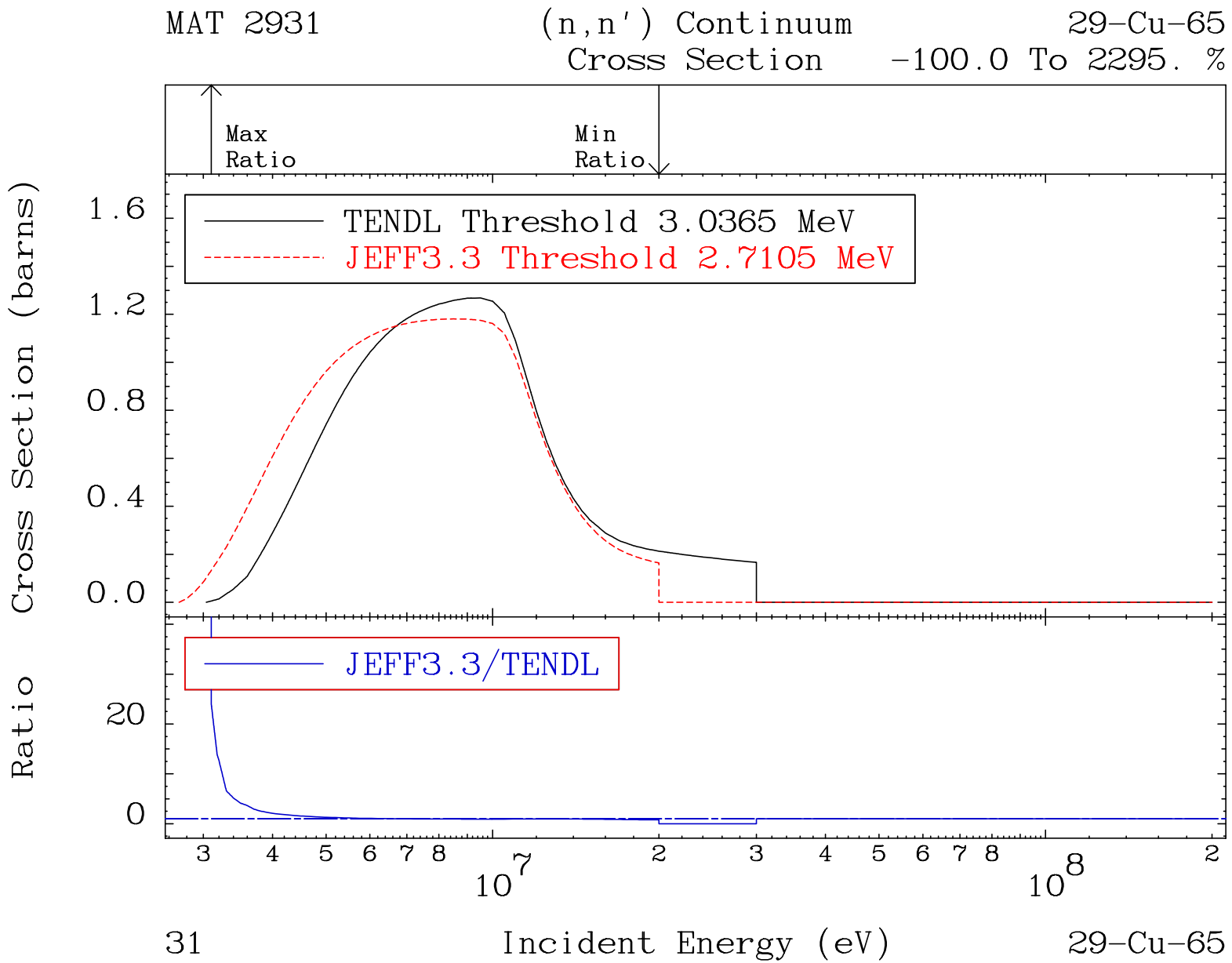

MAT 2931
MT= 66 (n,n') Level
29-Cu-65
Cross Section -100.0 To 792.8 %
Max Ratio
Min Ratio
TENDL Threshold 2.6607 MeV
JEFF3.3 Threshold 2.6607 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
12
8
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
29-Cu-65

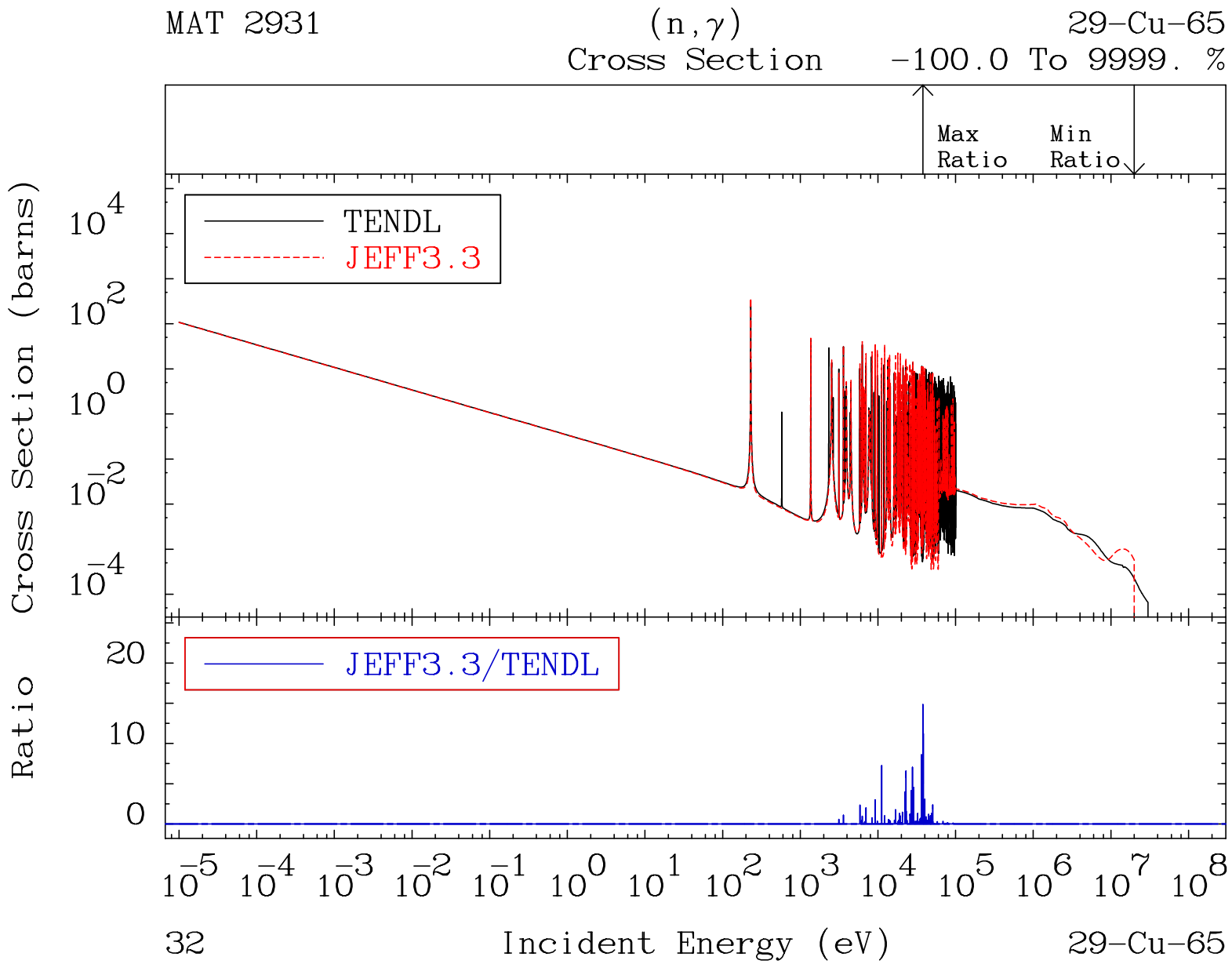

MAT 2931
MT= 67 (n,n') Level
29-Cu-65
Cross Section -100.0 To 388.6 %
Max Ratio
Min Ratio
TENDL Threshold 2.6846 MeV
JEFF3.3 Threshold 2.6846 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
27
29-Cu-65

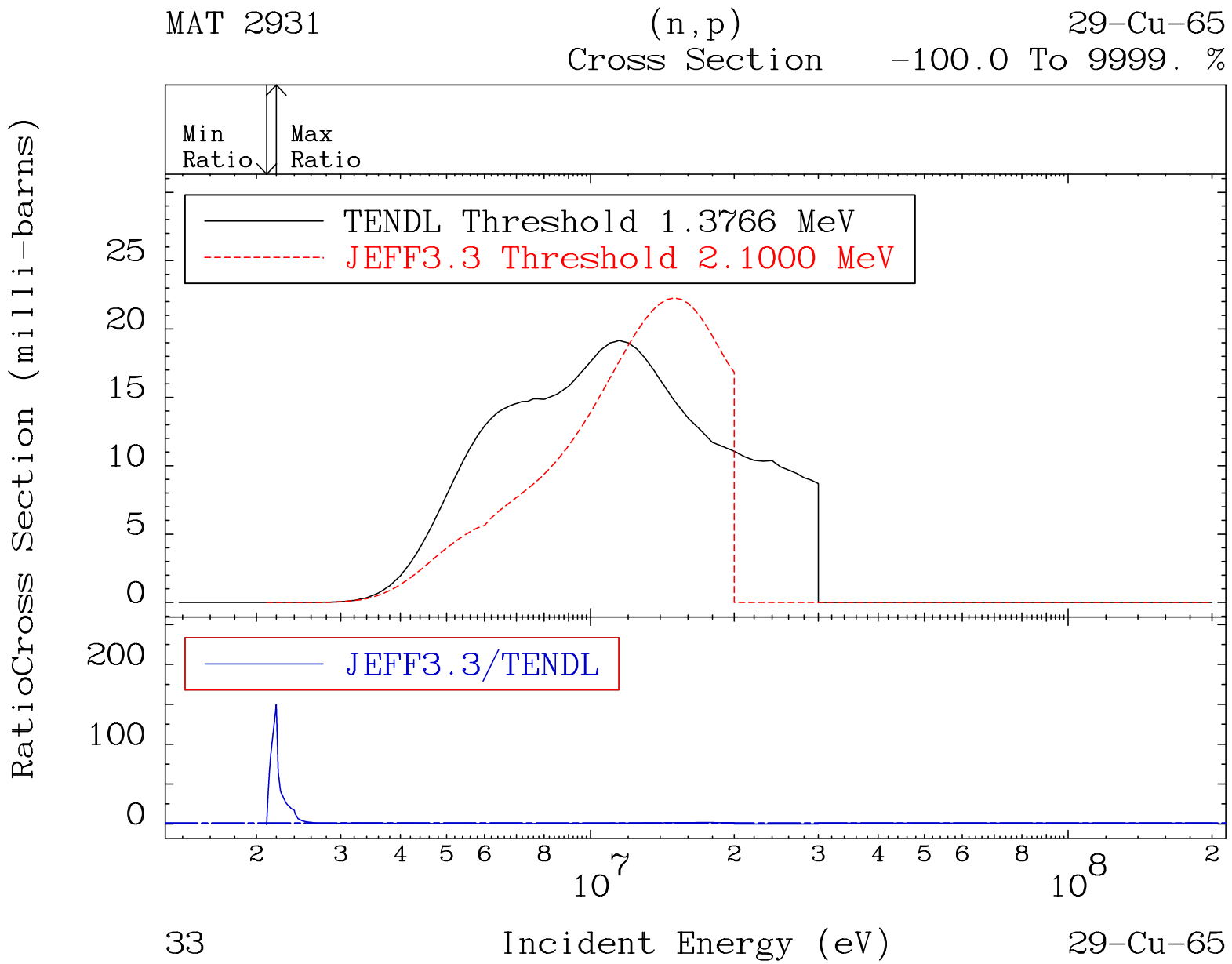

MAT 2931
MT= 68 (n,n') Level
29-Cu-65
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.6908 MeV
JEFF3.3 Threshold 2.6908 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
0.8
0.4
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
29-Cu-65

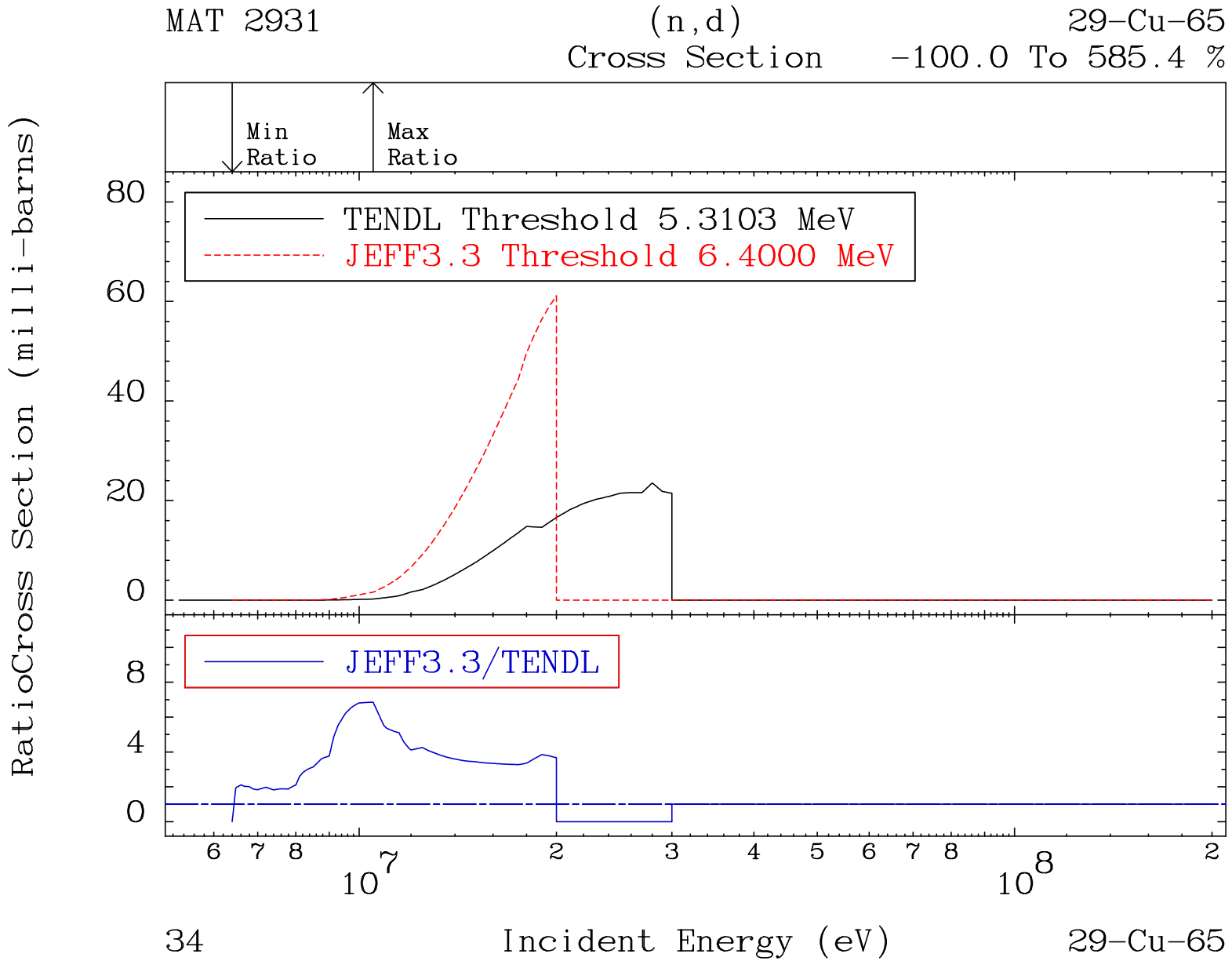

MAT 2931
MT= 69 (n,n') Level
29-Cu-65
Cross Section
-100.0 To 808.1 %
Max Ratio
Min Ratio
TENDL Threshold 2.6961 MeV
JEFF3.3 Threshold 2.6961 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
12
8
4
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
29-Cu-65

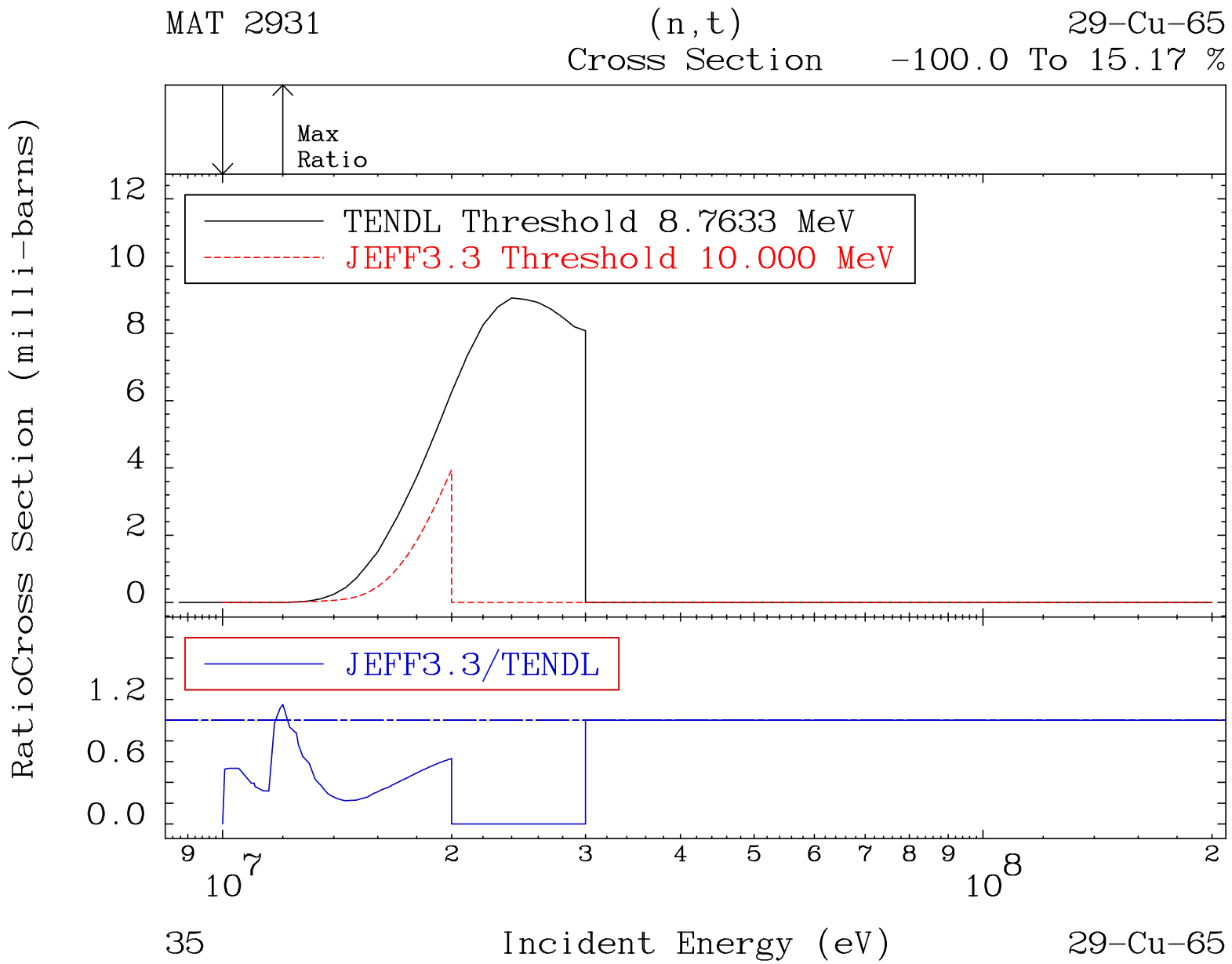

MAT 2931
MT= 70 (n,n') Level
29-Cu-65
Cross Section -100.0 To 65.85 %
Max Ratio
Min Ratio
TENDL Threshold 2.7105 MeV
JEFF3.3 Threshold 2.7105 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
29-Cu-65

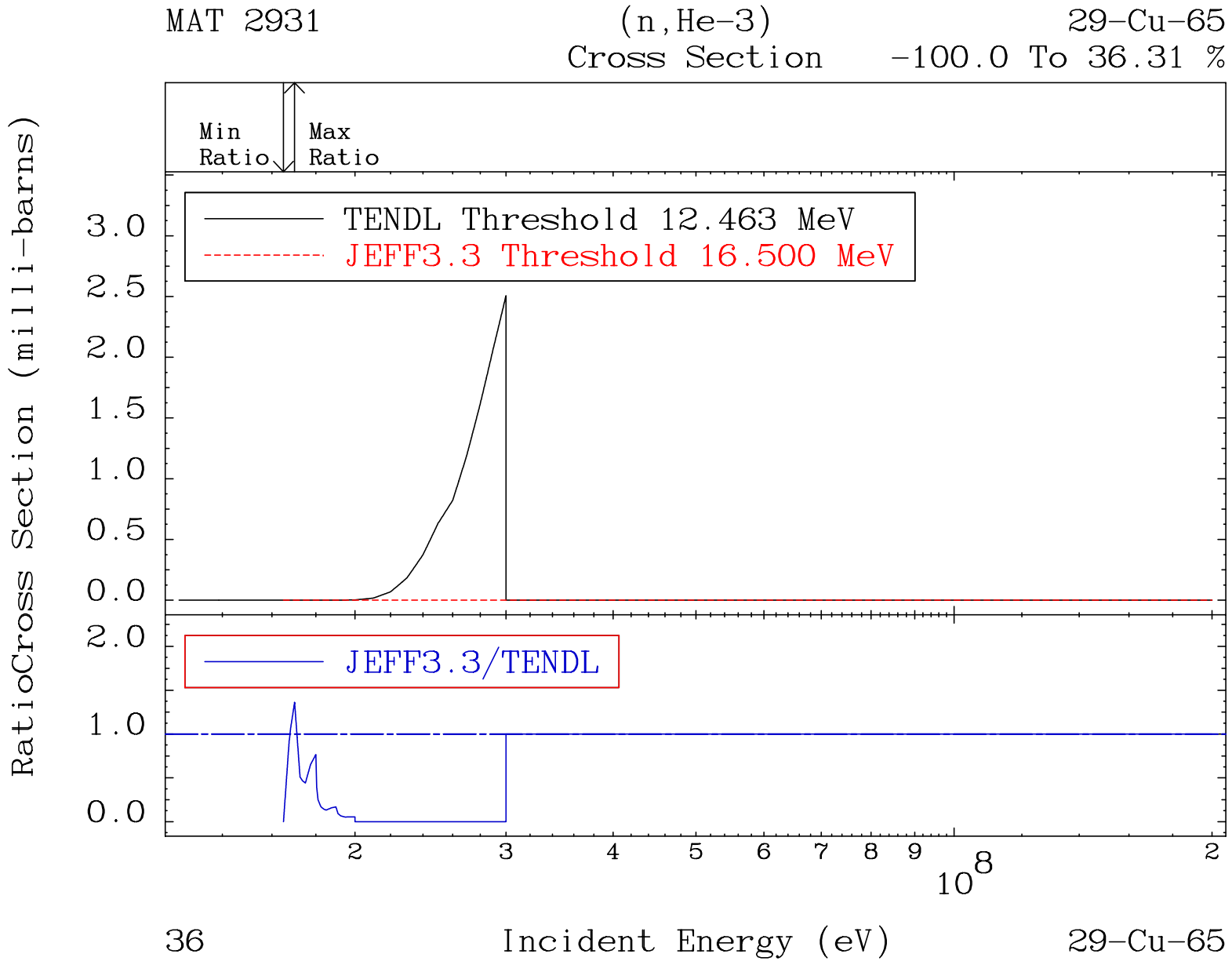

MAT 2931
(n,n') Continuum
Cross Section
29-Cu-65
-100.0 To 2295. %
Max Ratio
Min Ratio
TENDL Threshold 3.0365 MeV
JEFF3.3 Threshold 2.7105 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
20
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
29-Cu-65

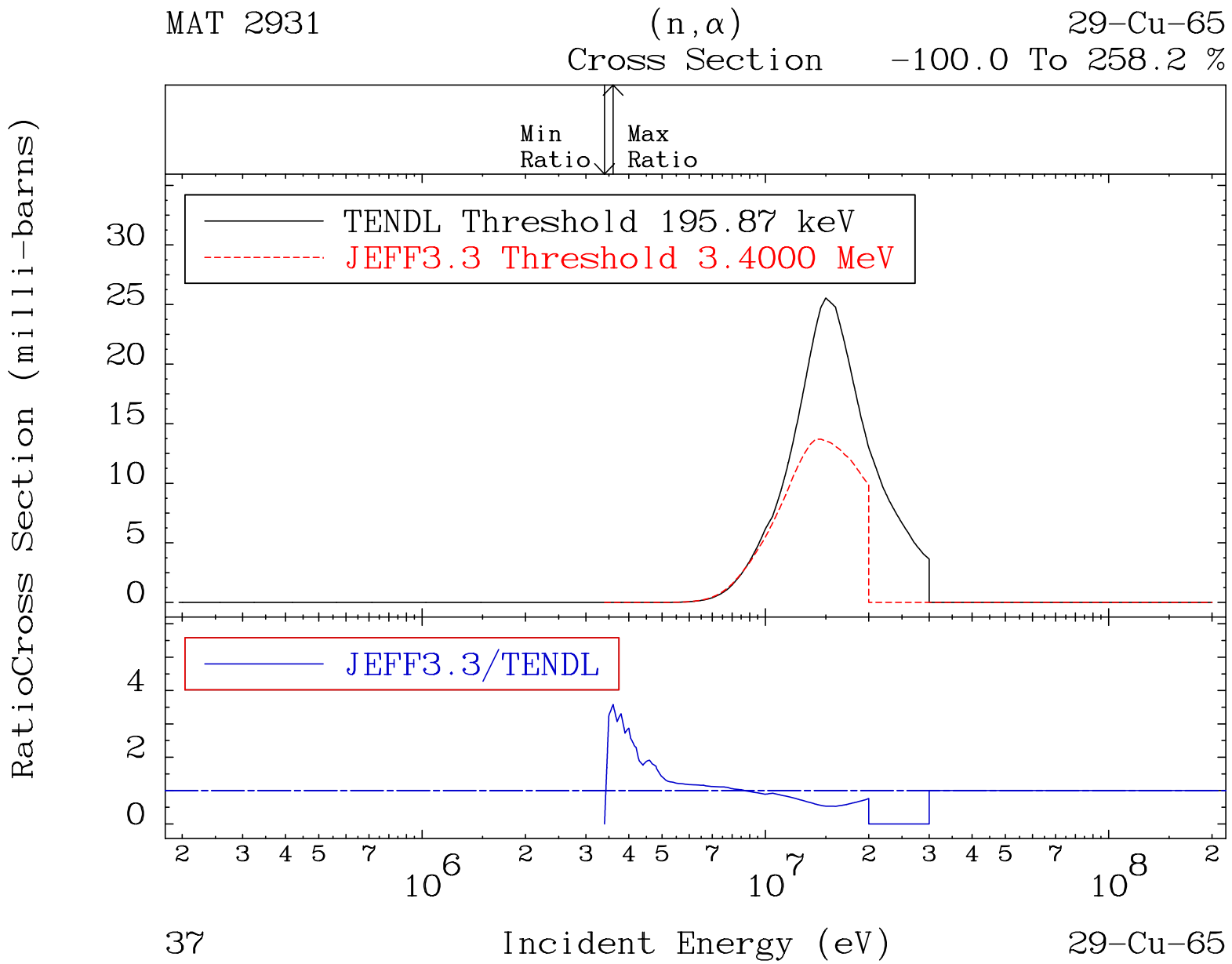

MAT 2931
(n,γ)
Cross Section
29-Cu-65
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
32
29-Cu-65

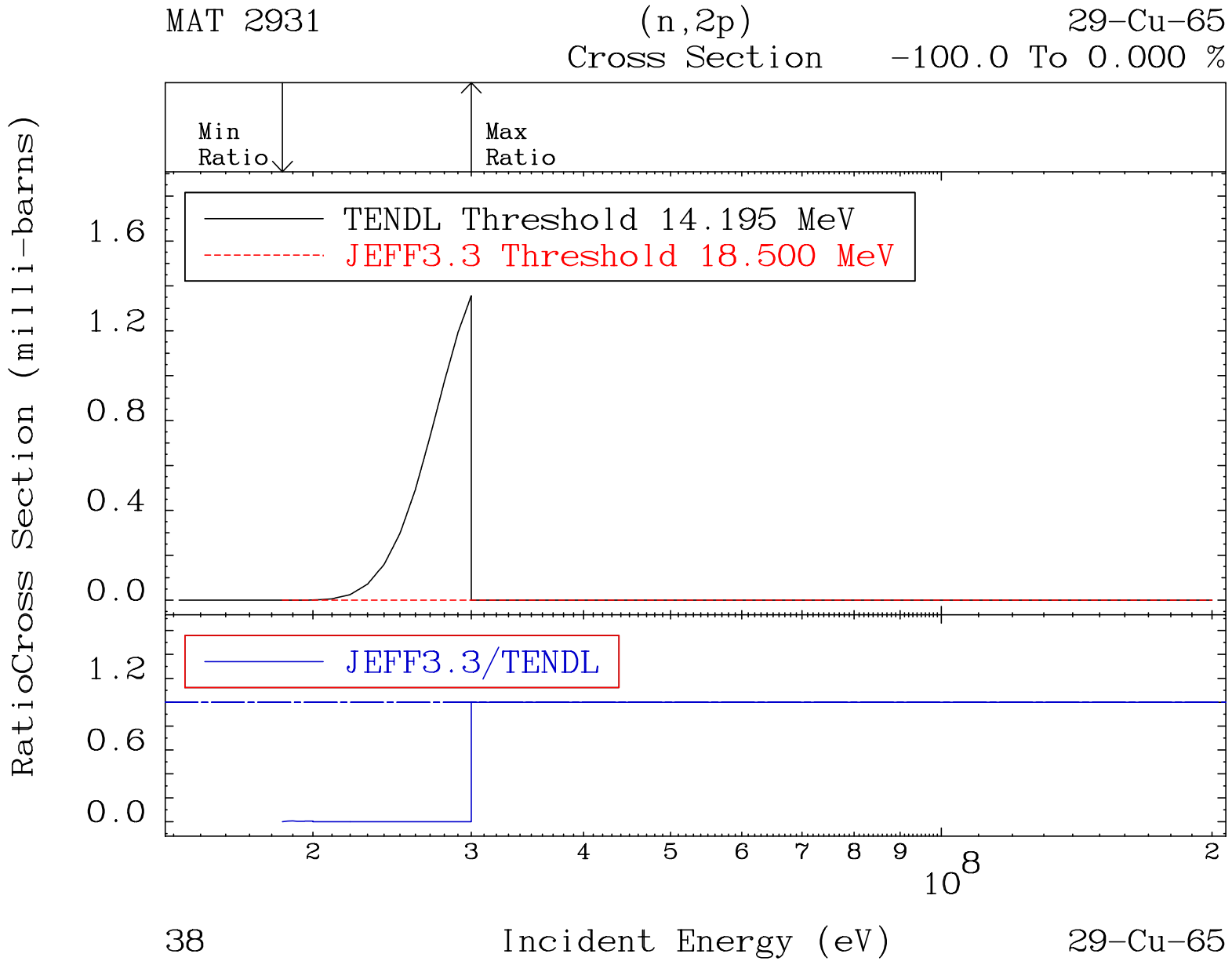

MAT 2931
(n,p)
29-Cu-65
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.3766 MeV
JEFF3.3 Threshold 2.1000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
200
100
0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
33
Incident Energy (eV)
29-Cu-65

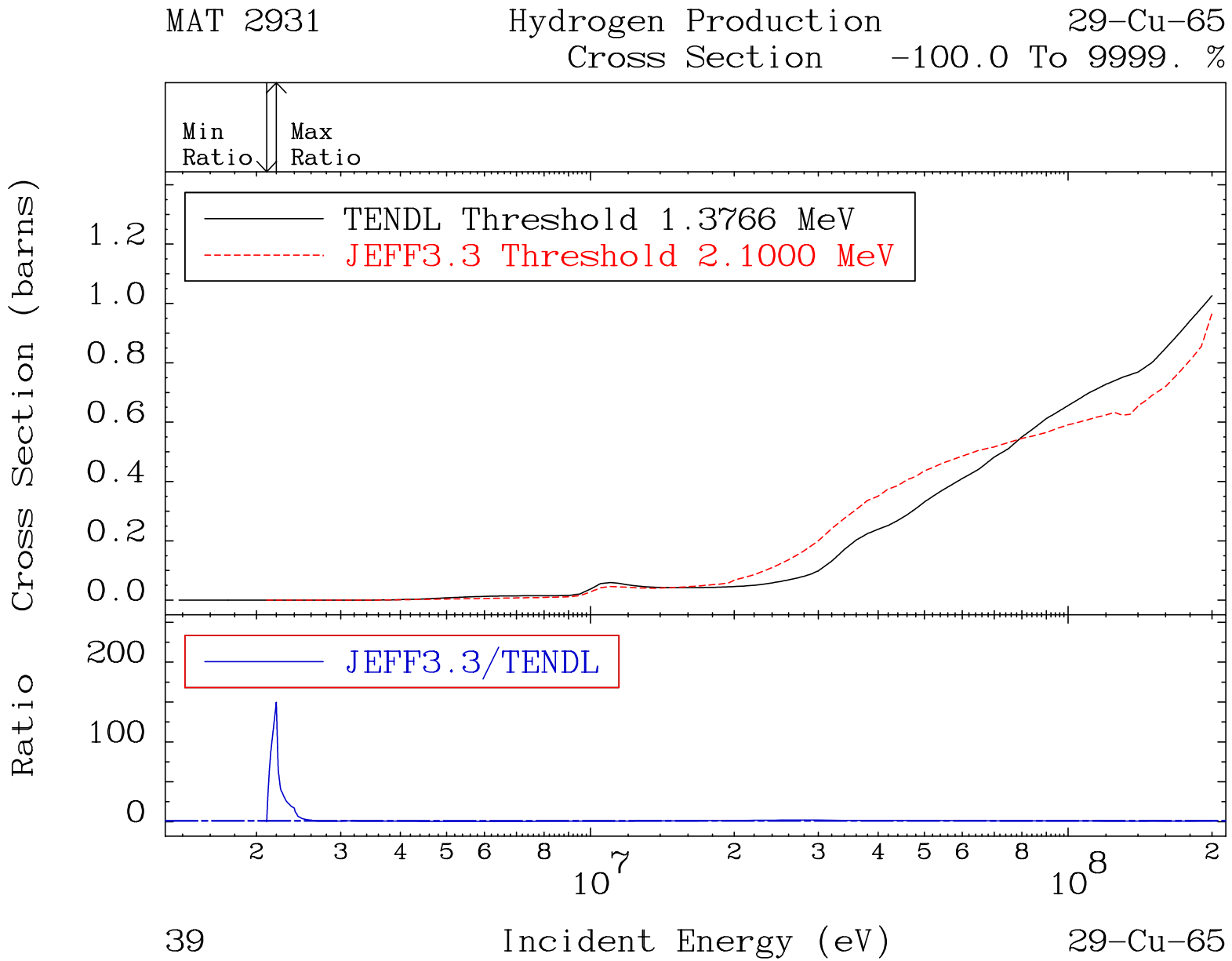

MAT 2931
(n,d)
29-Cu-65
Cross Section
-100.0 To 585.4 %
Min Ratio
Max Ratio
TENDL Threshold 5.3103 MeV
JEFF3.3 Threshold 6.4000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
8
4
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
29-Cu-65

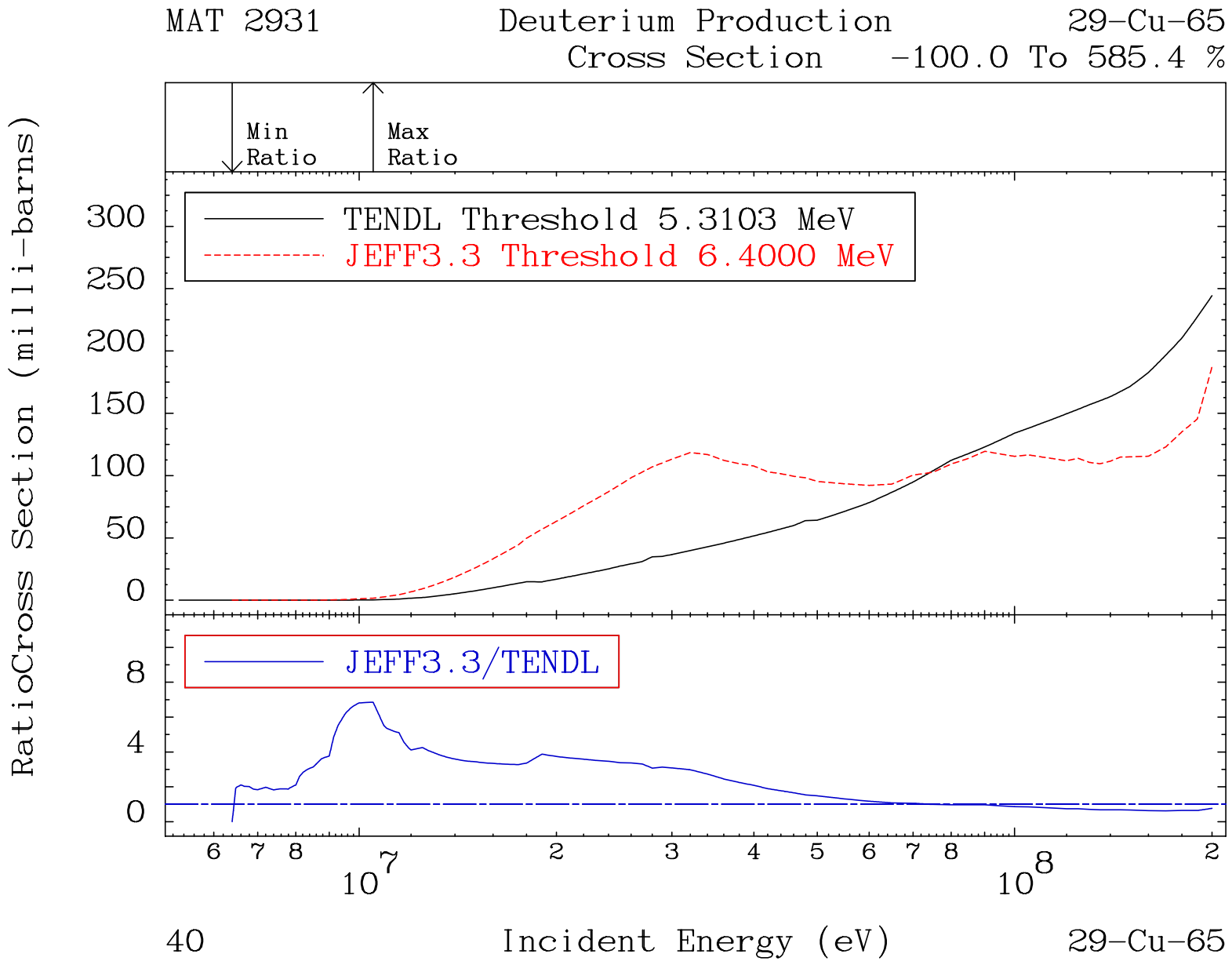

MAT 2931
(n,t)
Cross Section
29-Cu-65
-100.0 To 15.17 %
Max
Ratio
TENDL Threshold 8.7633 MeV
JEFF3.3 Threshold 10.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
35
29-Cu-65

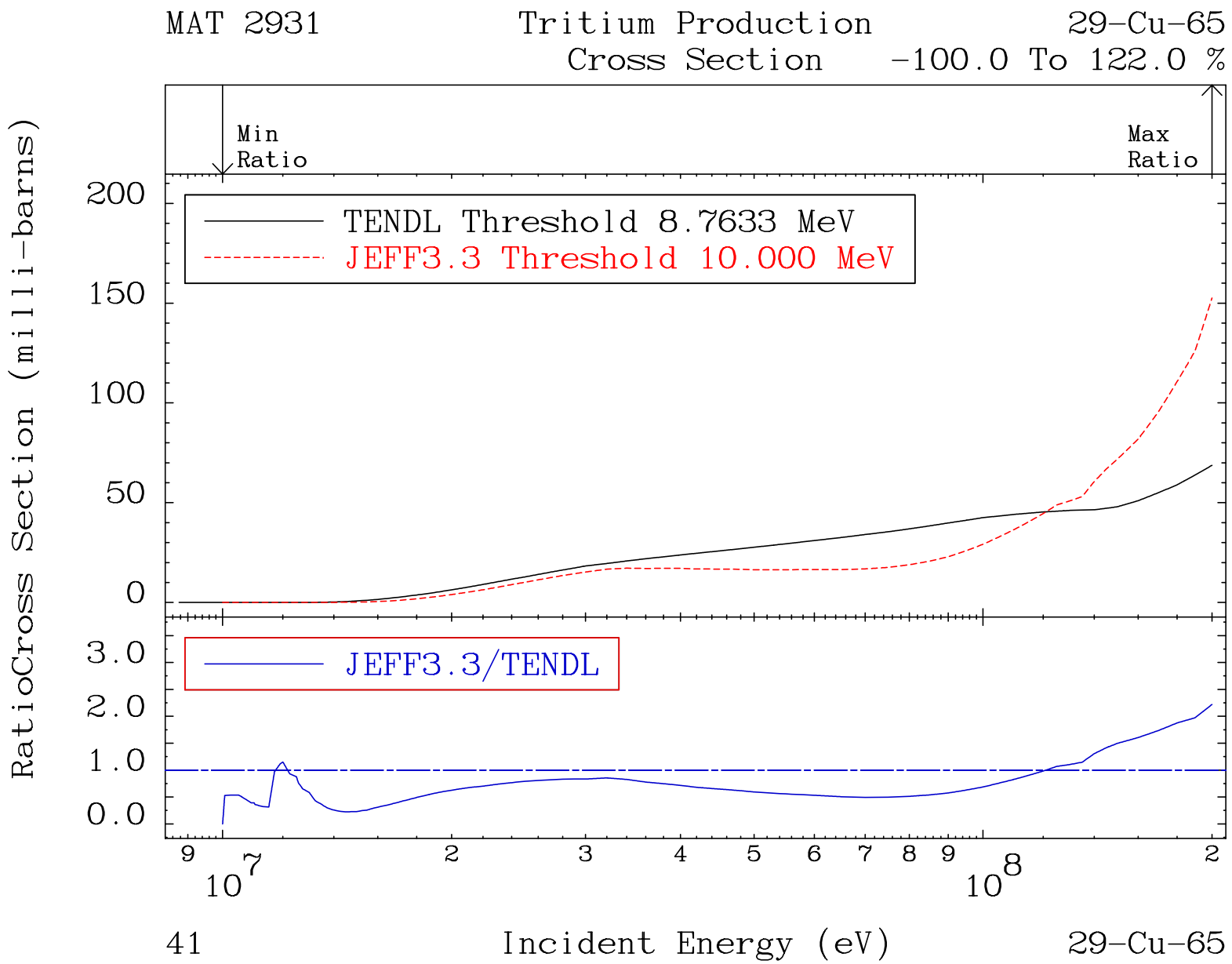

MAT 2931
(n,He-3)
Cross Section
29-Cu-65
-100.0 To 36.31 %
Min Ratio
Max Ratio
TENDL Threshold 12.463 MeV
JEFF3.3 Threshold 16.500 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
36
Incident Energy (eV)
29-Cu-65

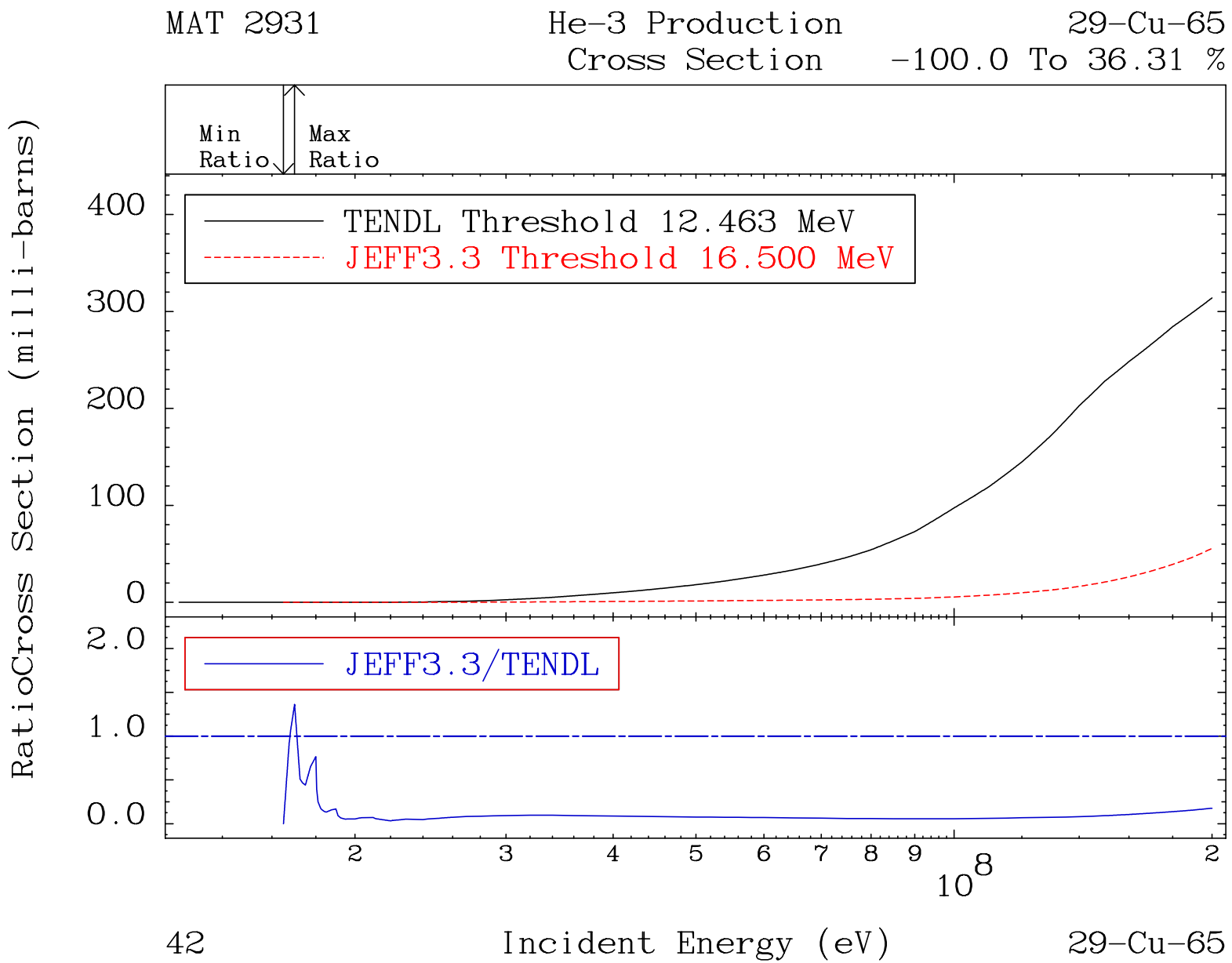

MAT 2931
(n,α)
29-Cu-65
Cross Section
-100.0 To 258.2 %
Min Ratio
Max Ratio
TENDL Threshold 195.87 keV
JEFF3.3 Threshold 3.4000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
4
2
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
37
Incident Energy (eV)
29-Cu-65

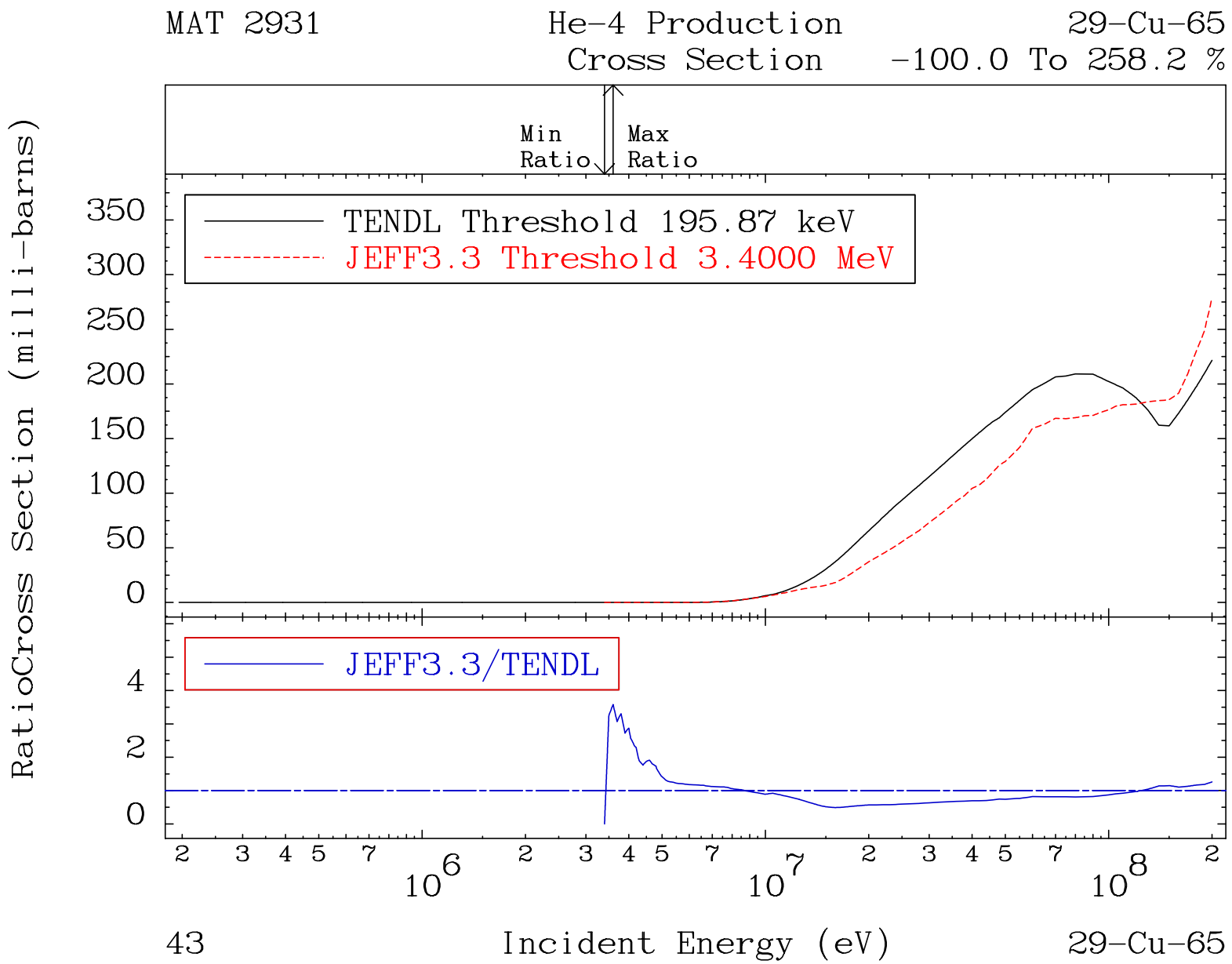

MAT 2931
(n,2p)
29-Cu-65
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 14.195 MeV
JEFF3.3 Threshold 18.500 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
29-Cu-65

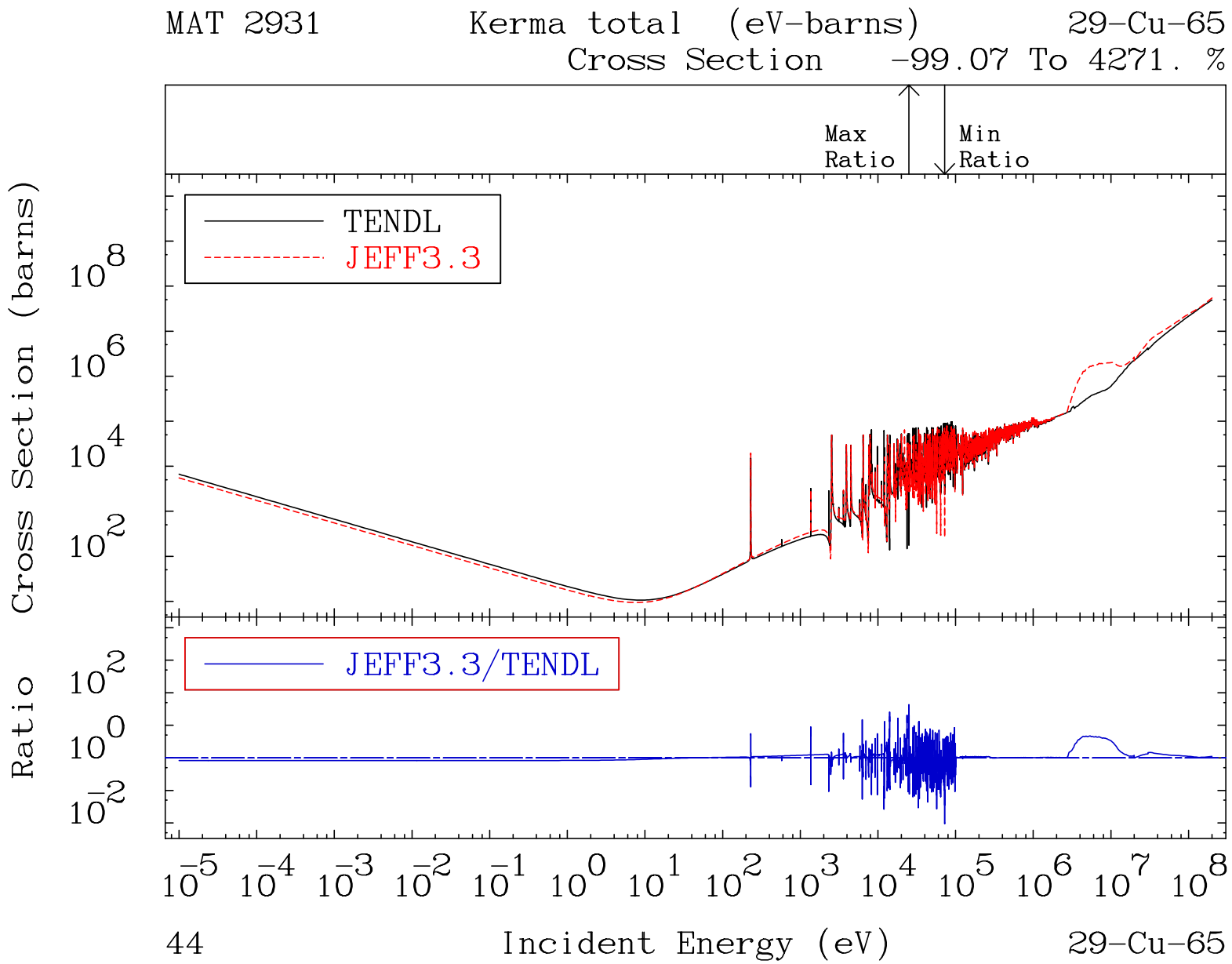

MAT 2931
Hydrogen Production
29-Cu-65
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.3766 MeV
JEFF3.3 Threshold 2.1000 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
39
Incident Energy (eV)
29-Cu-65

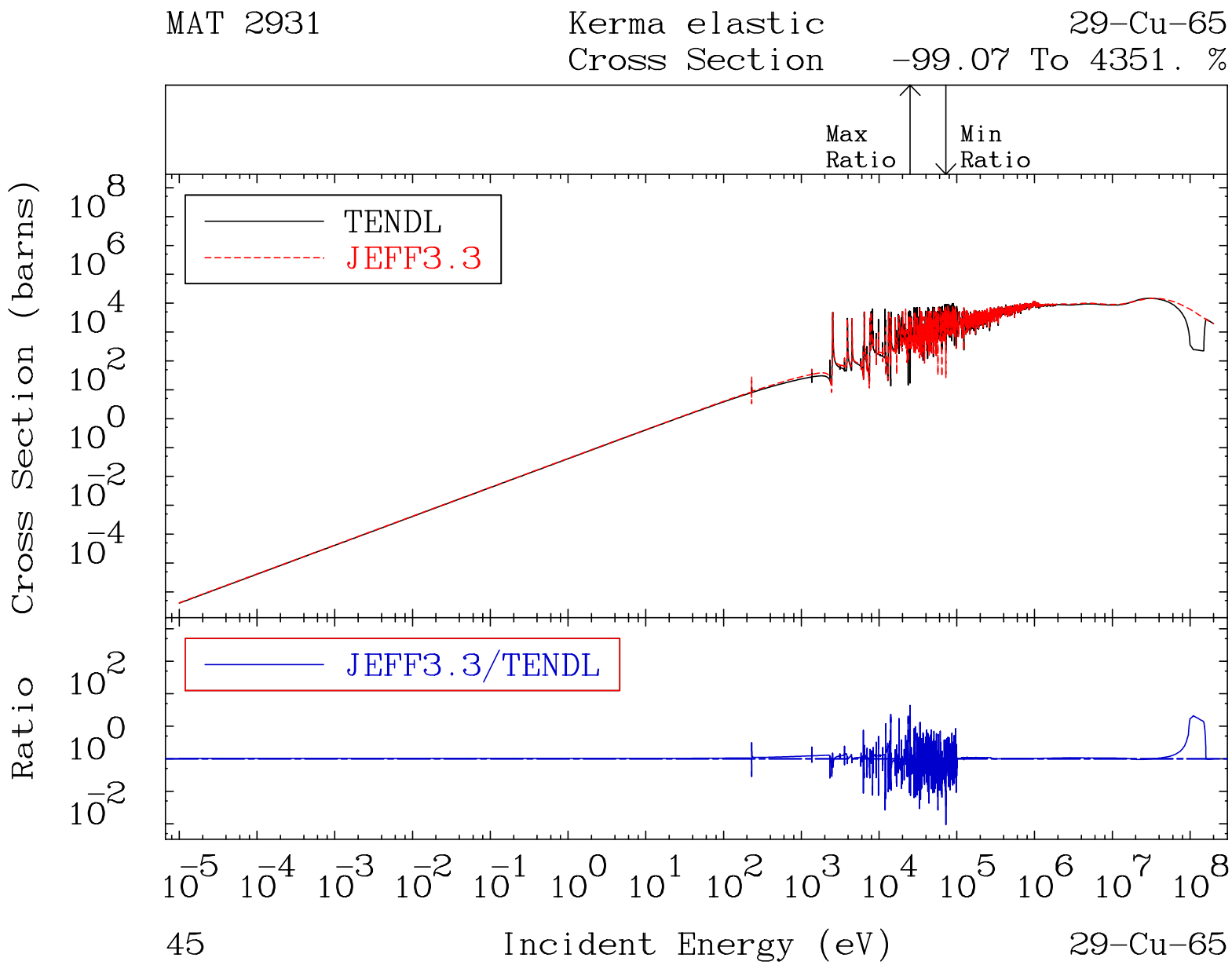

MAT 2931
Deuterium Production
29-Cu-65
Cross Section
-100.0 To 585.4 %
Min Ratio
Max Ratio
TENDL Threshold 5.3103 MeV
JEFF3.3 Threshold 6.4000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
8
4
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
29-Cu-65

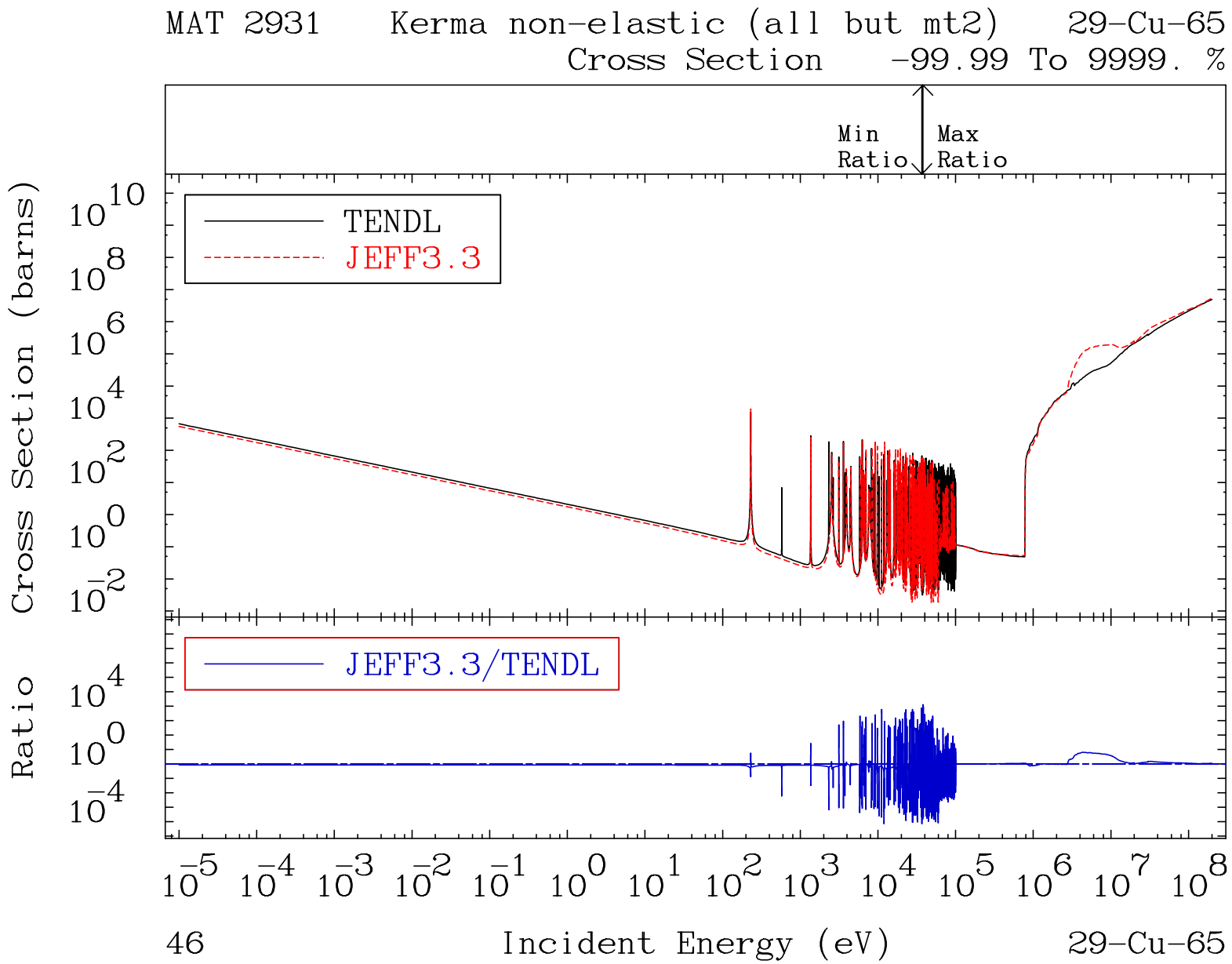

MAT 2931
Tritium Production
29-Cu-65
Cross Section
-100.0 To 122.0 %
Min Ratio
Max Ratio
TENDL Threshold 8.7633 MeV
JEFF3.3 Threshold 10.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
3.0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
29-Cu-65

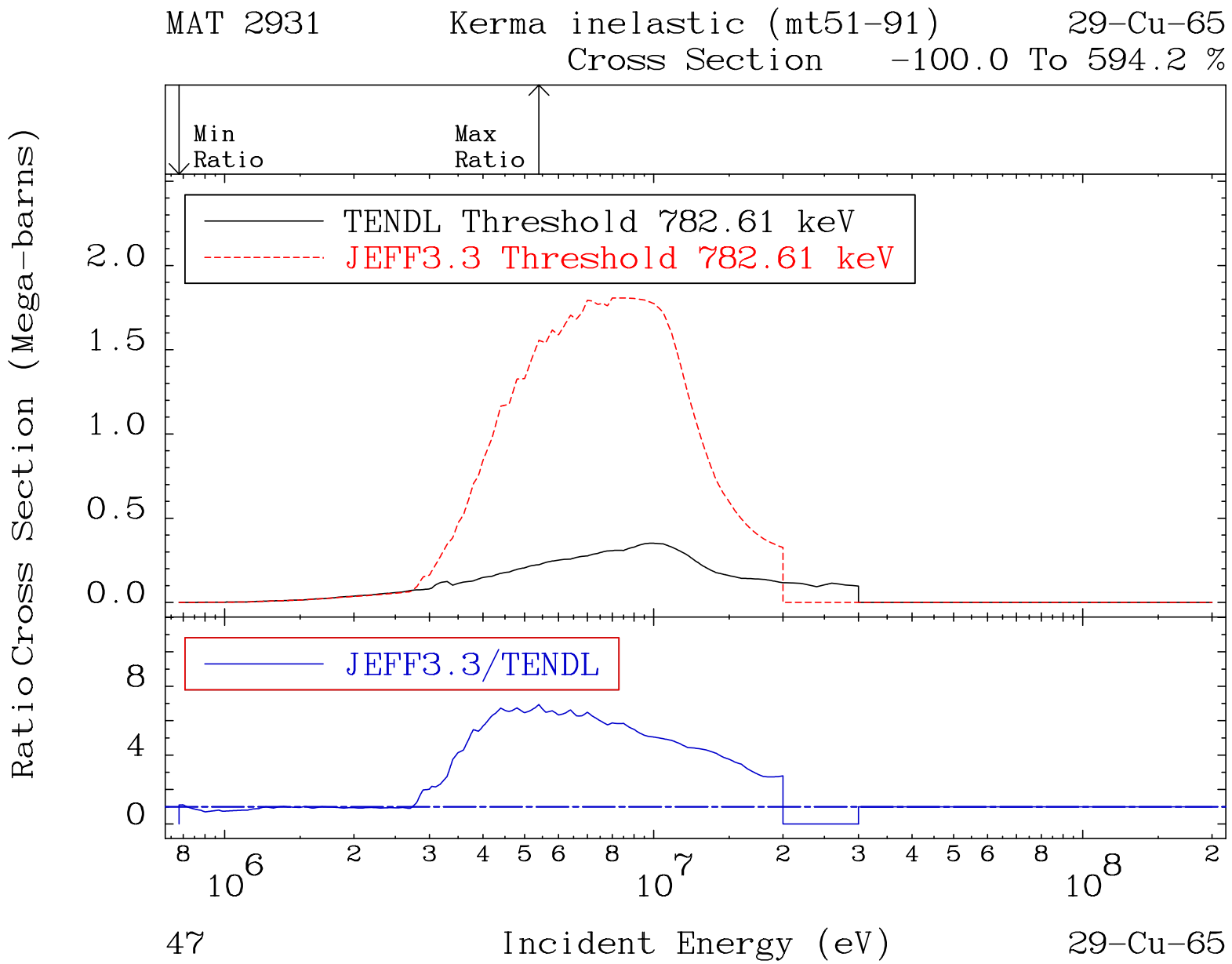

MAT 2931
He-3 Production
Cross Section
29-Cu-65
-100.0 To 36.31 %
Min Ratio
Max Ratio
TENDL Threshold 12.463 MeV
JEFF3.3 Threshold 16.500 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
42
Incident Energy (eV)
29-Cu-65

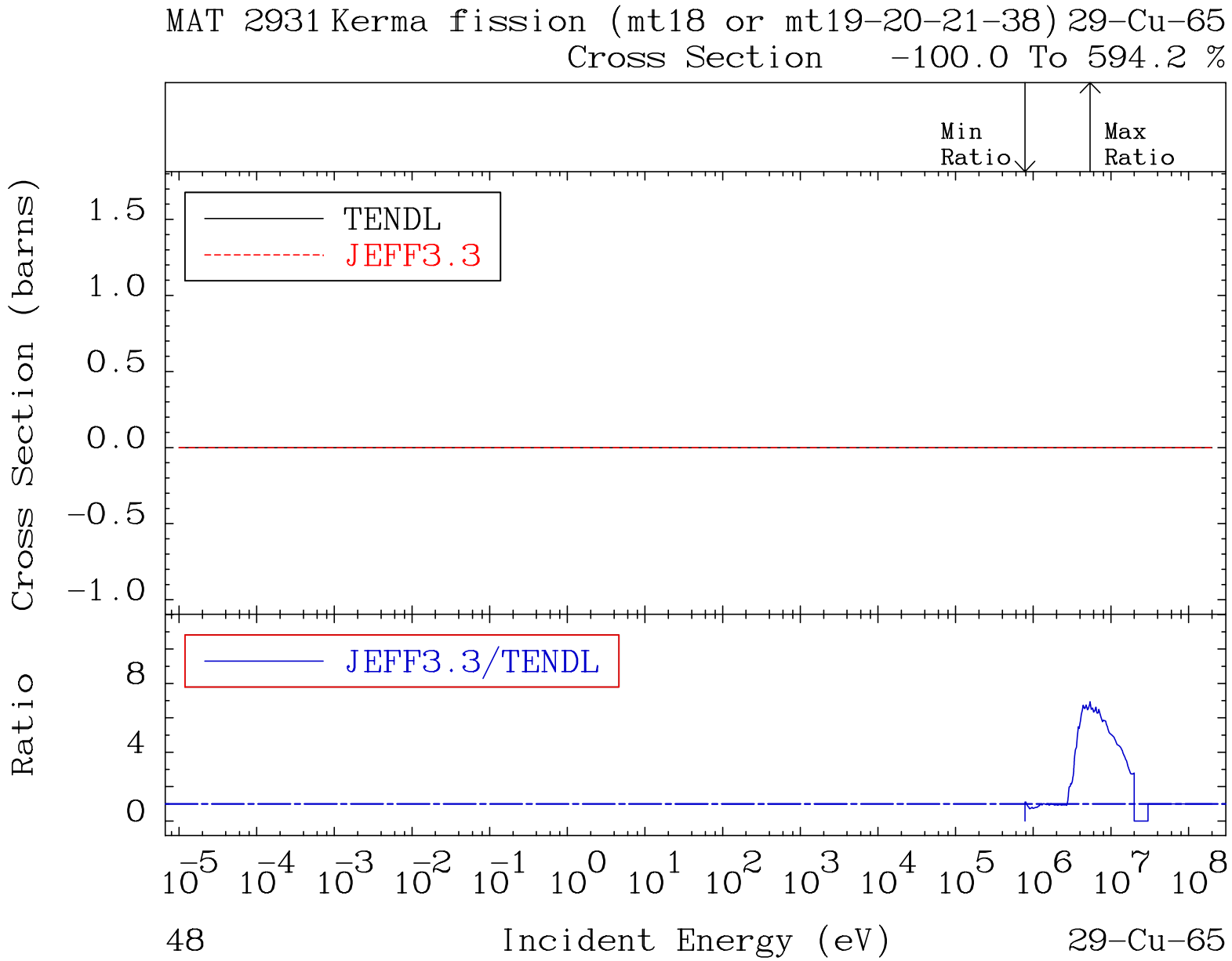

MAT 2931
He-4 Production
Cross Section
29-Cu-65
-100.0 To 258.2 %
Min Ratio
Max Ratio
TENDL Threshold 195.87 keV
JEFF3.3 Threshold 3.4000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
4
2
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
43
Incident Energy (eV)
29-Cu-65

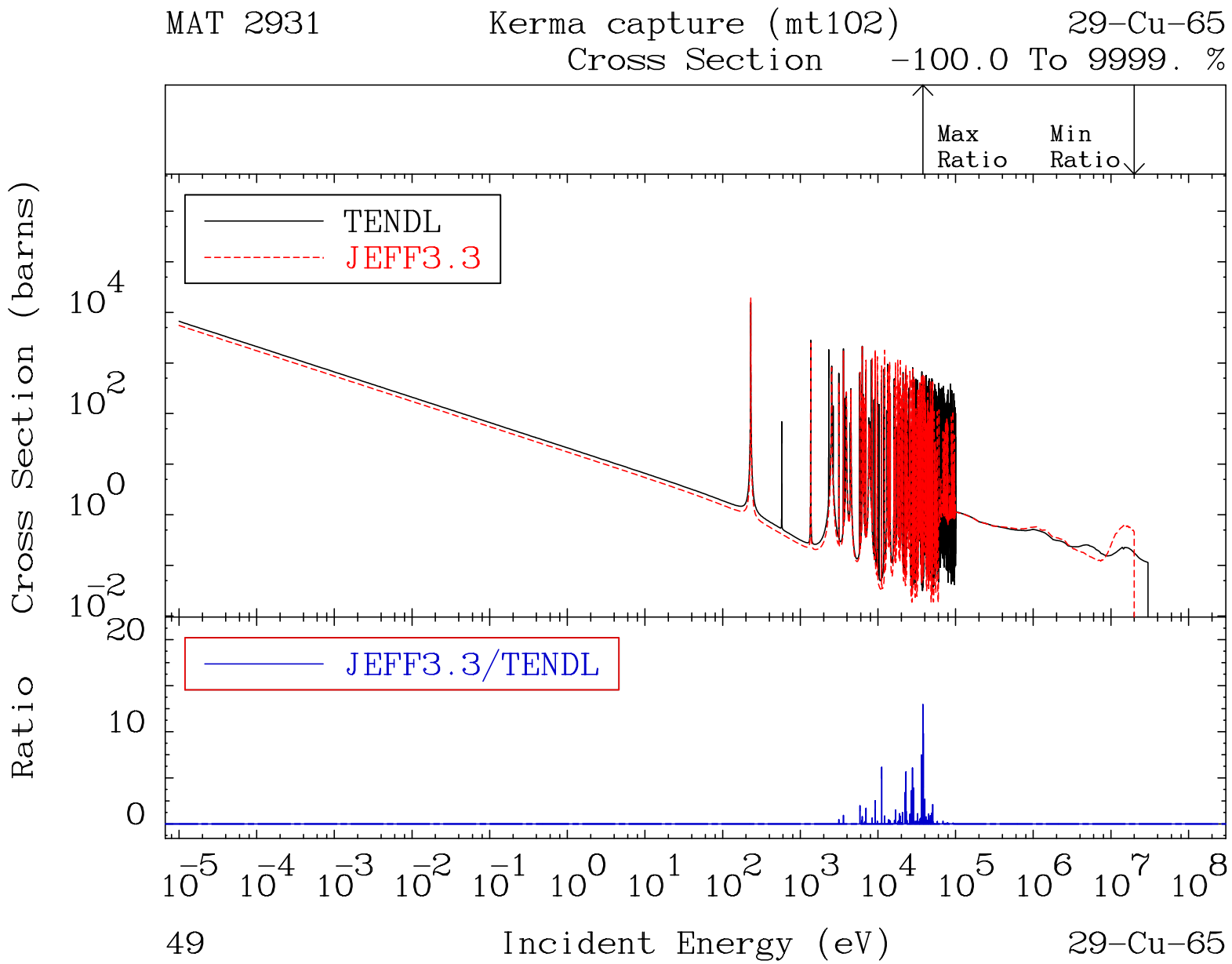

MAT 2931
Kerma total (eV-barns)
29-Cu-65
Cross Section -99.07 To 4271. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
29-Cu-65

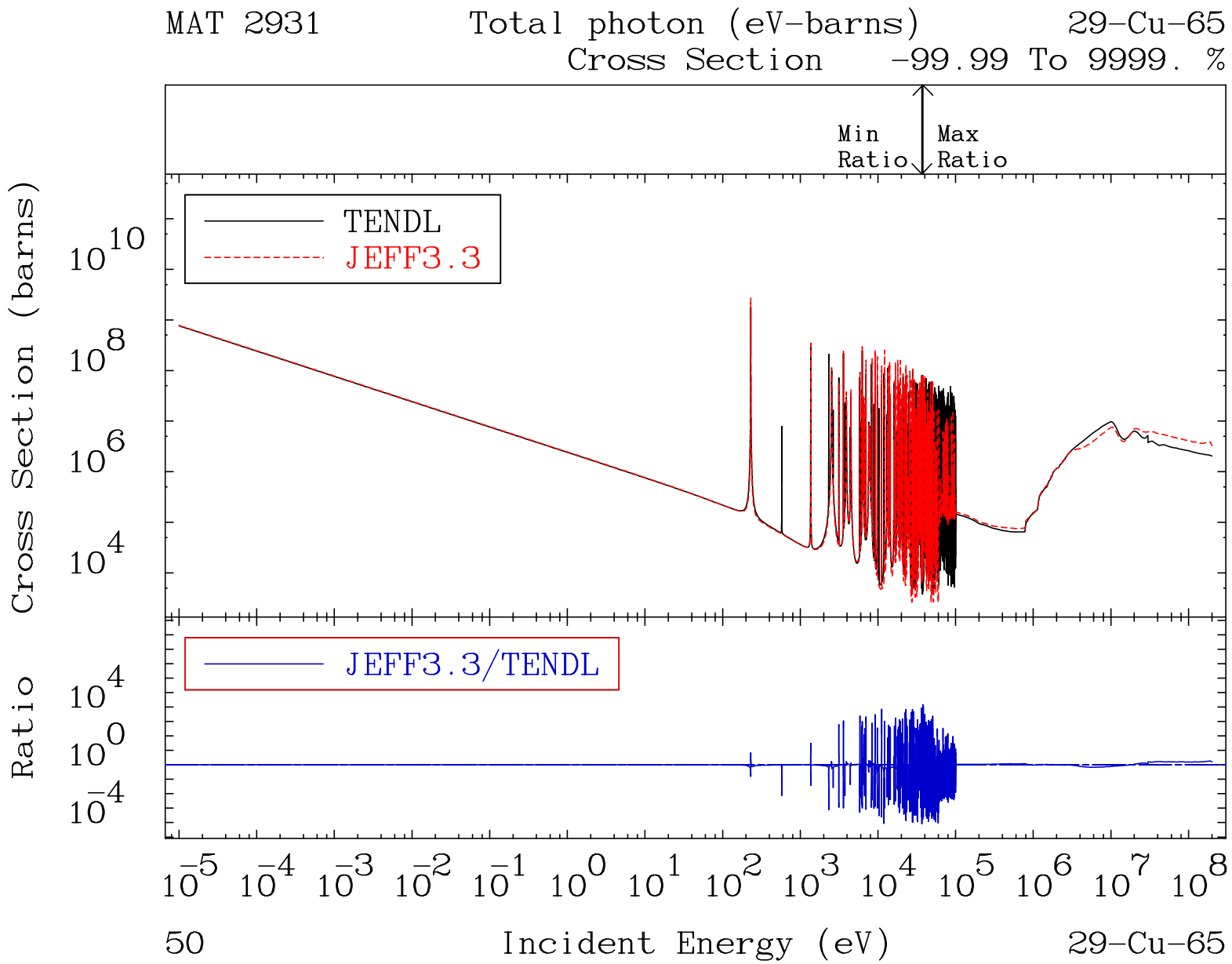

MAT 2931
Kerma elastic
Cross Section
29-Cu-65
-99.07 To 4351. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
29-Cu-65

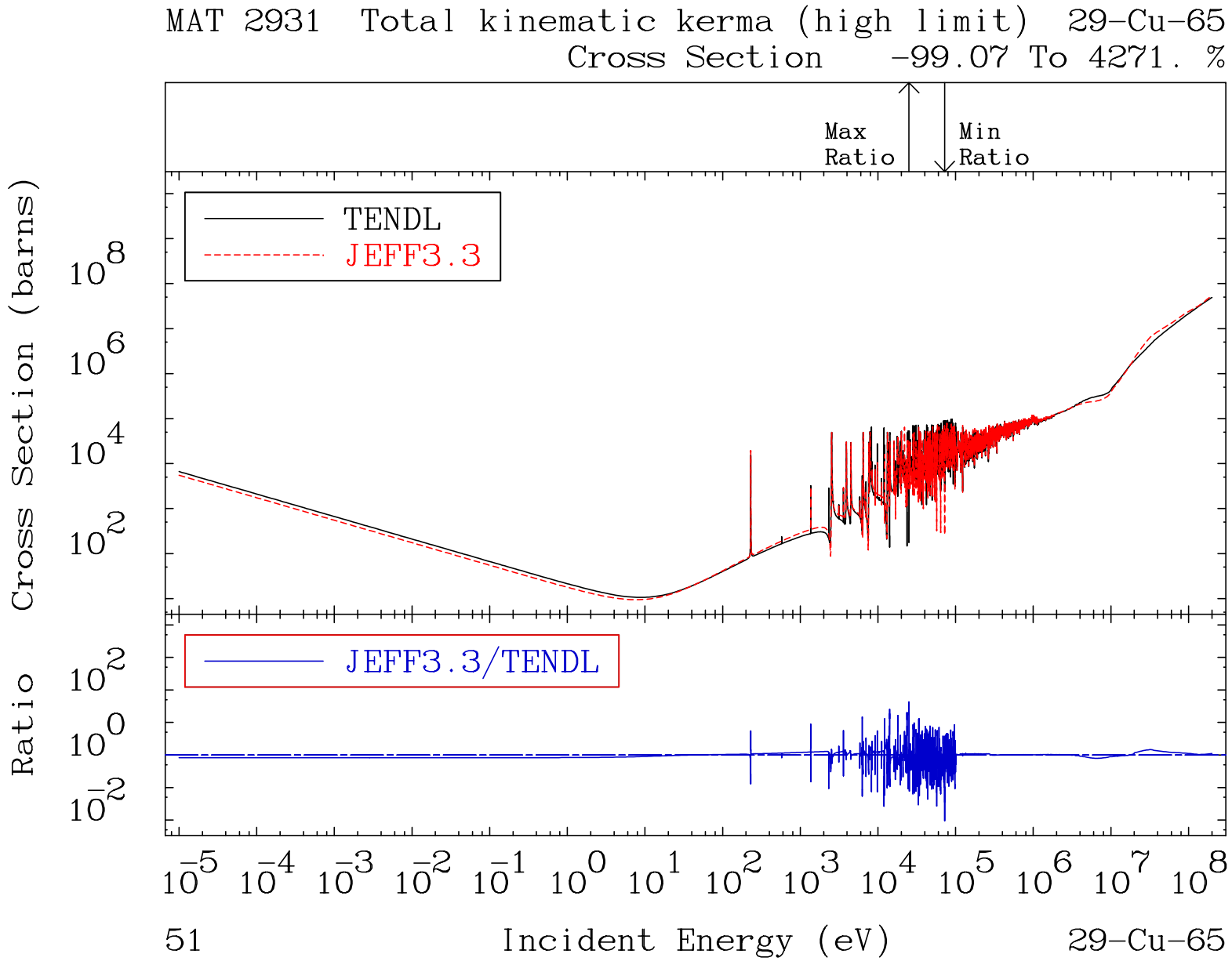

MAT 2931 Kerma non-elastic (all but mt2) 29-Cu-65
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
29-Cu-65

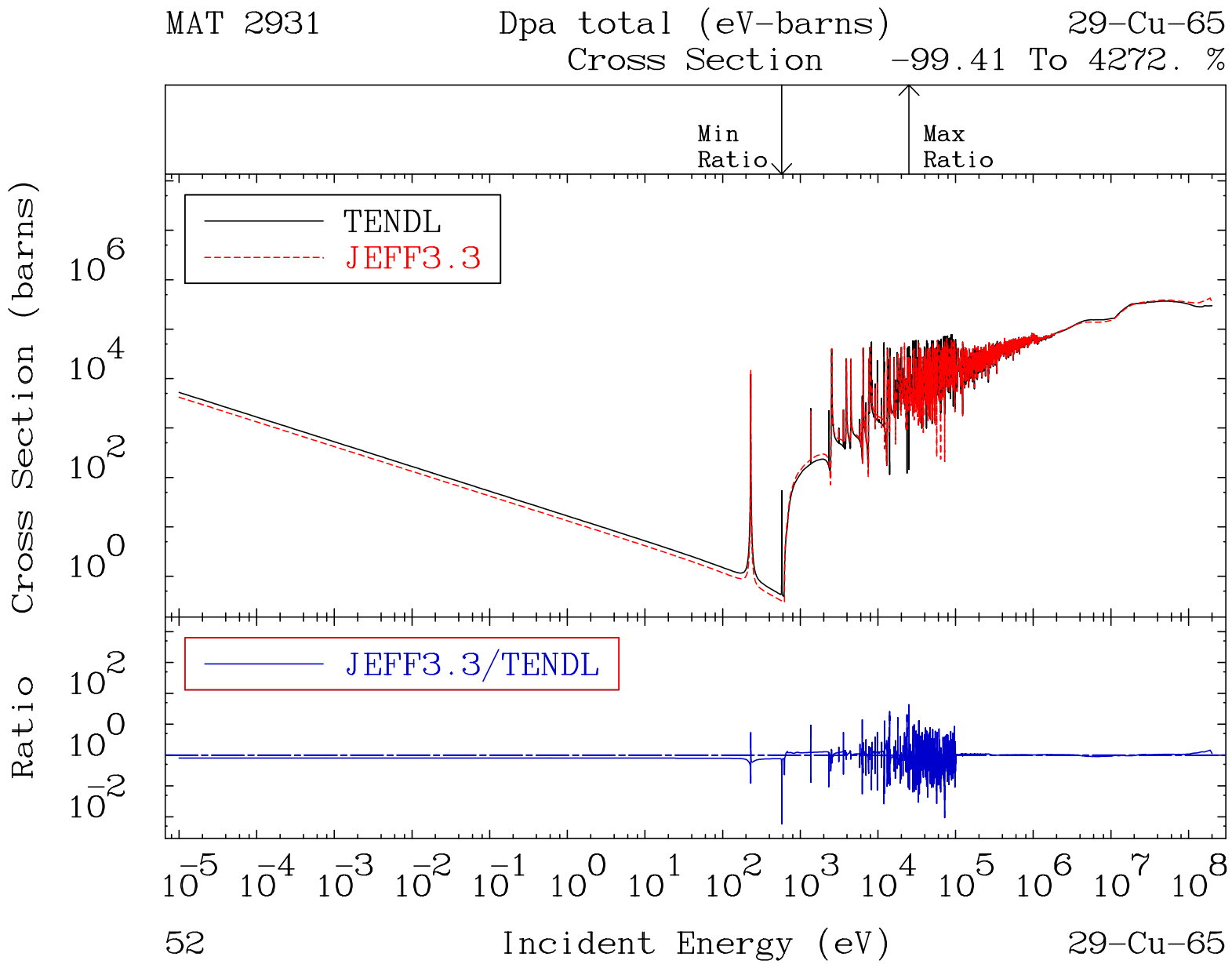

MAT 2931
Kerma inelastic (mt51-91)
29-Cu-65
Cross Section
-100.0 To 594.2 %
Min Ratio
Max Ratio
TENDL Threshold 782.61 keV
JEFF3.3 Threshold 782.61 keV
JEFF3.3/TENDL
Ratio Cross Section (Mega-barns)
2.0
1.5
1.0
0.5
0.0
8
4
0
8 2 3 4 5 6 8 2 3 4 5 6 8 2
10^6
10^7
10^8
47
Incident Energy (eV)
29-Cu-65

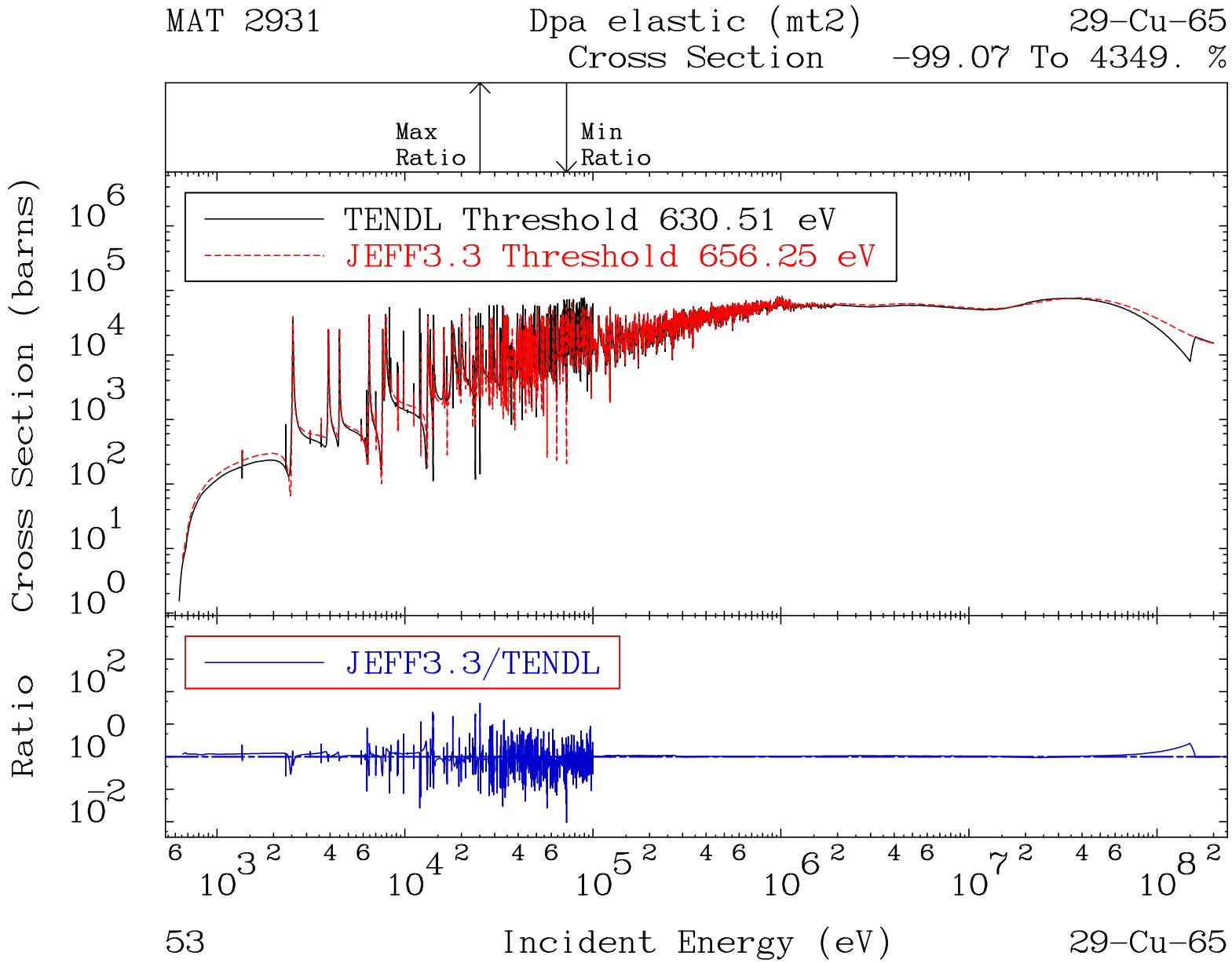

MAT 2931 Kerma fission (mt18 or mt19-20-21-38) 29-Cu-65
Cross Section -100.0 To 594.2 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
8
4
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
48
Incident Energy (eV)
29-Cu-65

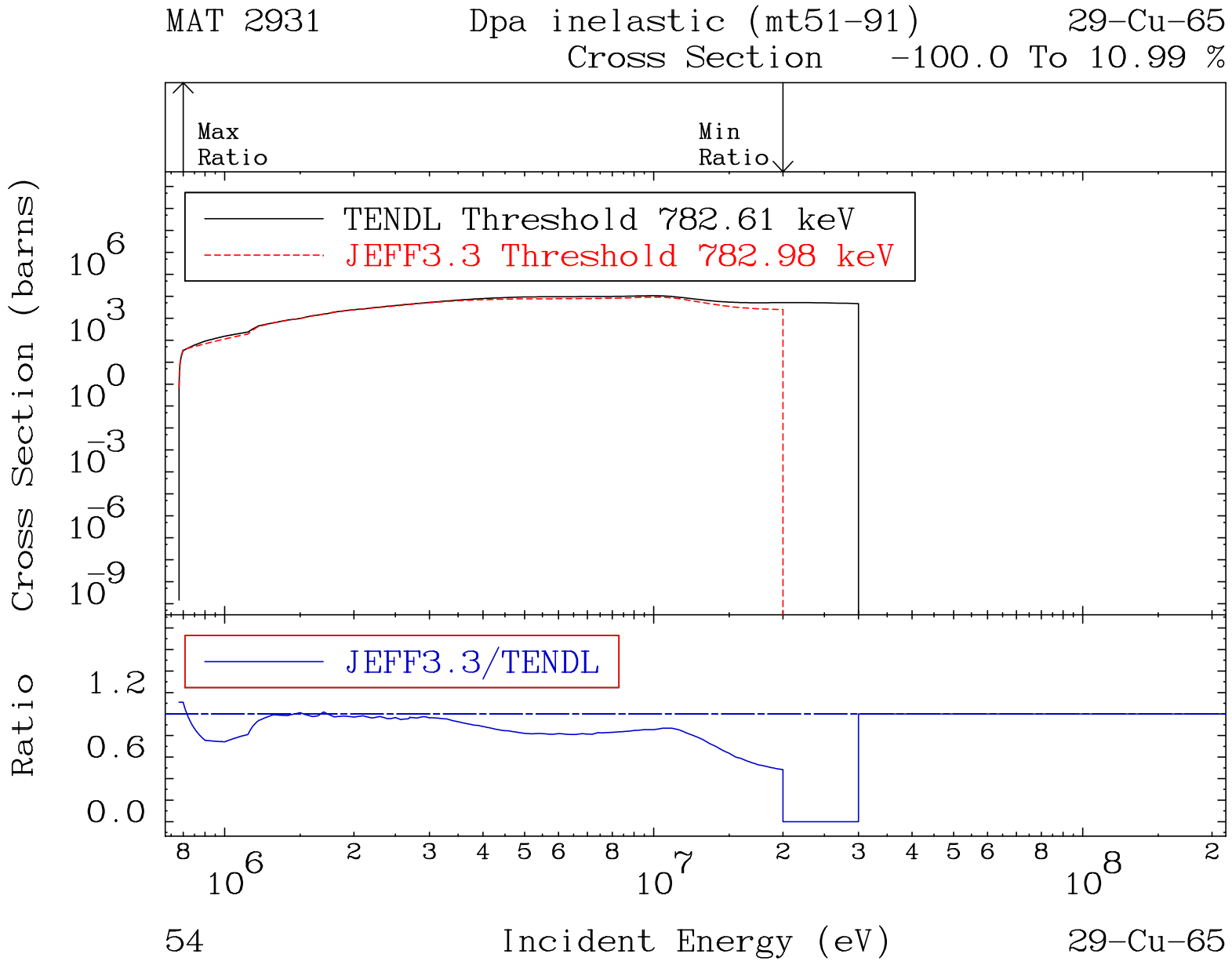

MAT 2931
Kerma capture (mt102)
29-Cu-65
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
29-Cu-65

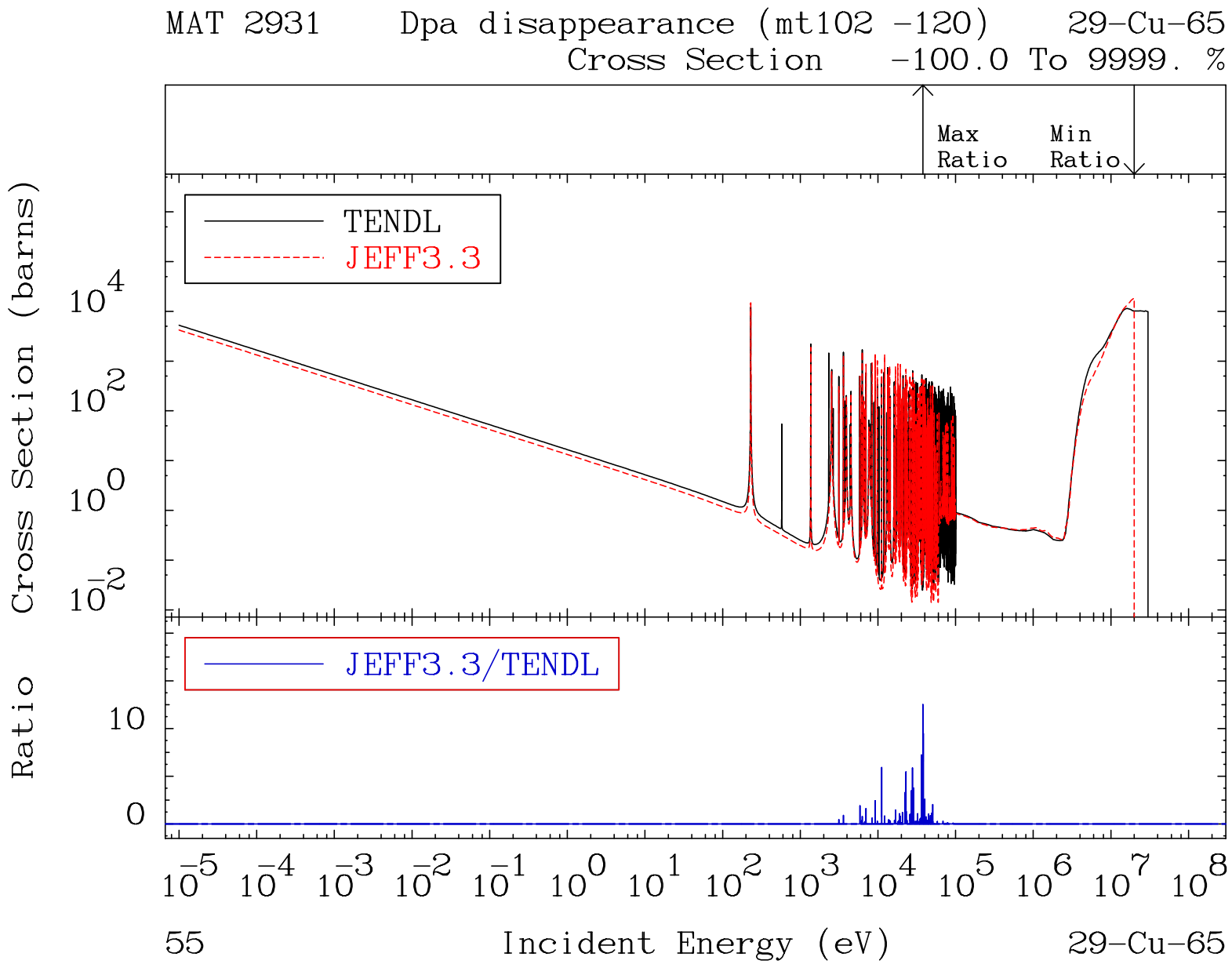

MAT 2931
Total photon (eV-barns)
29-Cu-65
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
29-Cu-65

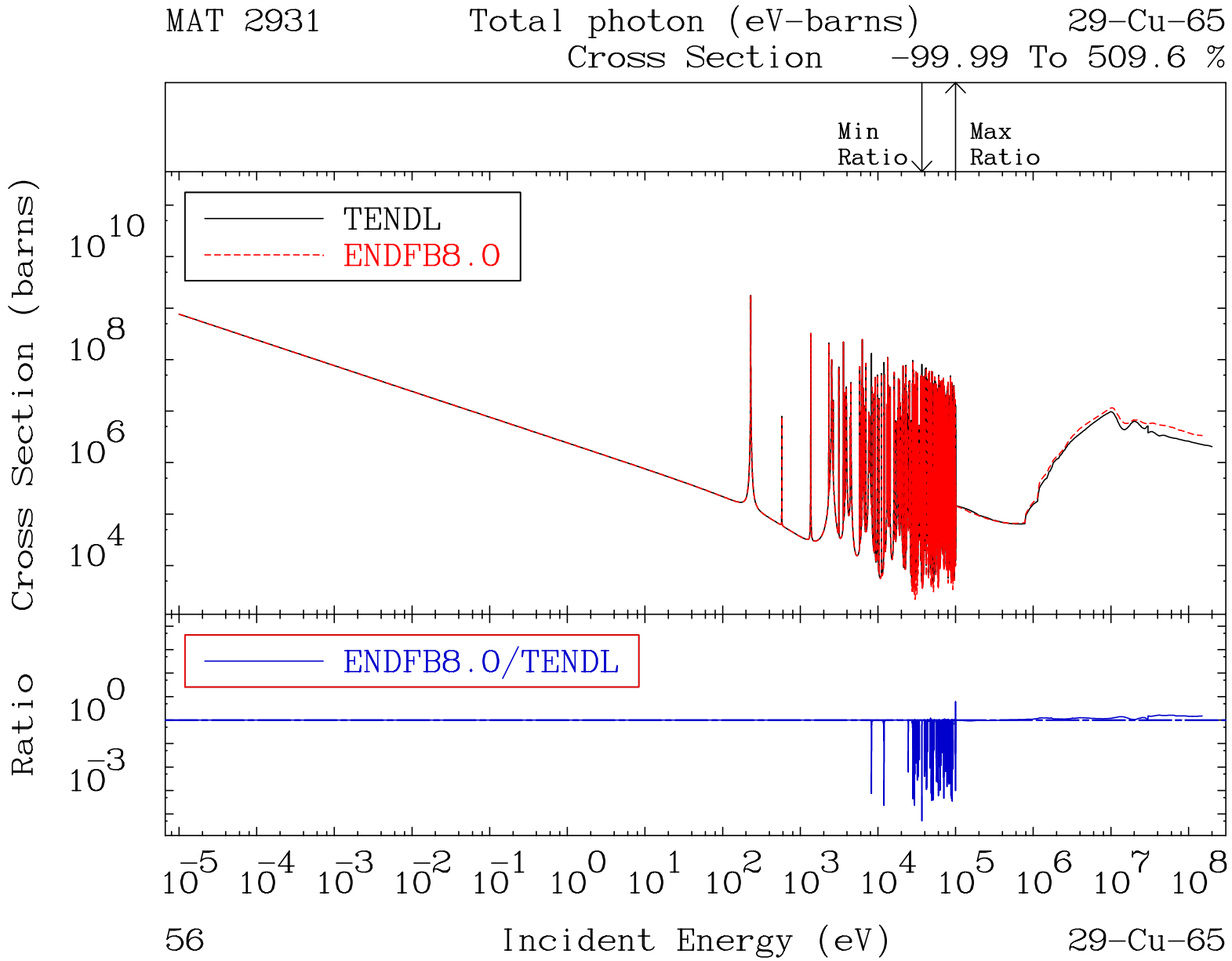

MAT 2931 Total kinematic kerma (high limit) 29-Cu-65
Cross Section -99.07 To 4271. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
29-Cu-65

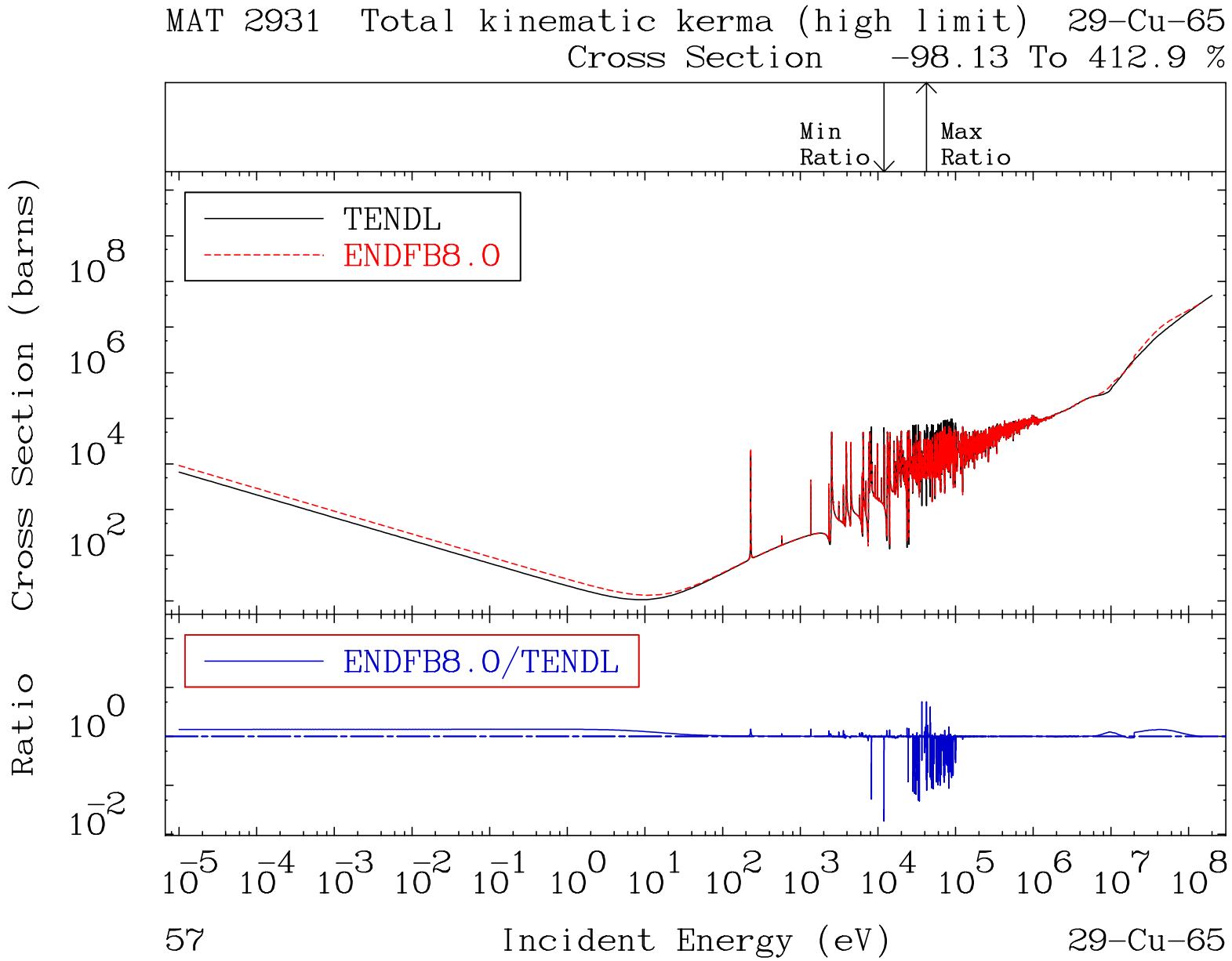

MAT 2931
Dpa total (eV-barns)
29-Cu-65
Cross Section -99.41 To 4272. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
29-Cu-65

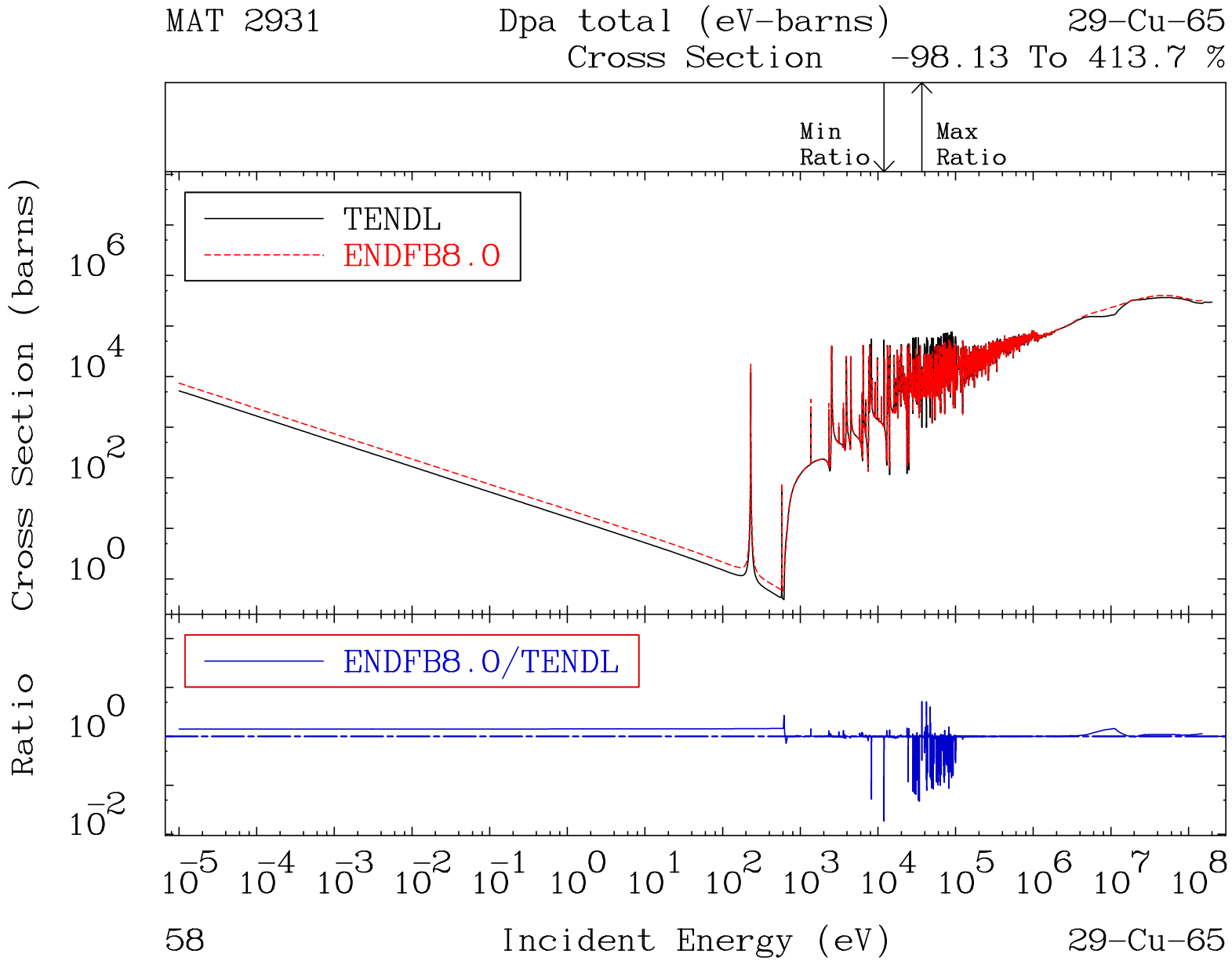

MAT 2931
Dpa elastic (mt2)
Cross Section
29-Cu-65
-99.07 To 4349. %
Max Ratio
Min Ratio
TENDL Threshold 630.51 eV
JEFF3.3 Threshold 656.25 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
29-Cu-65

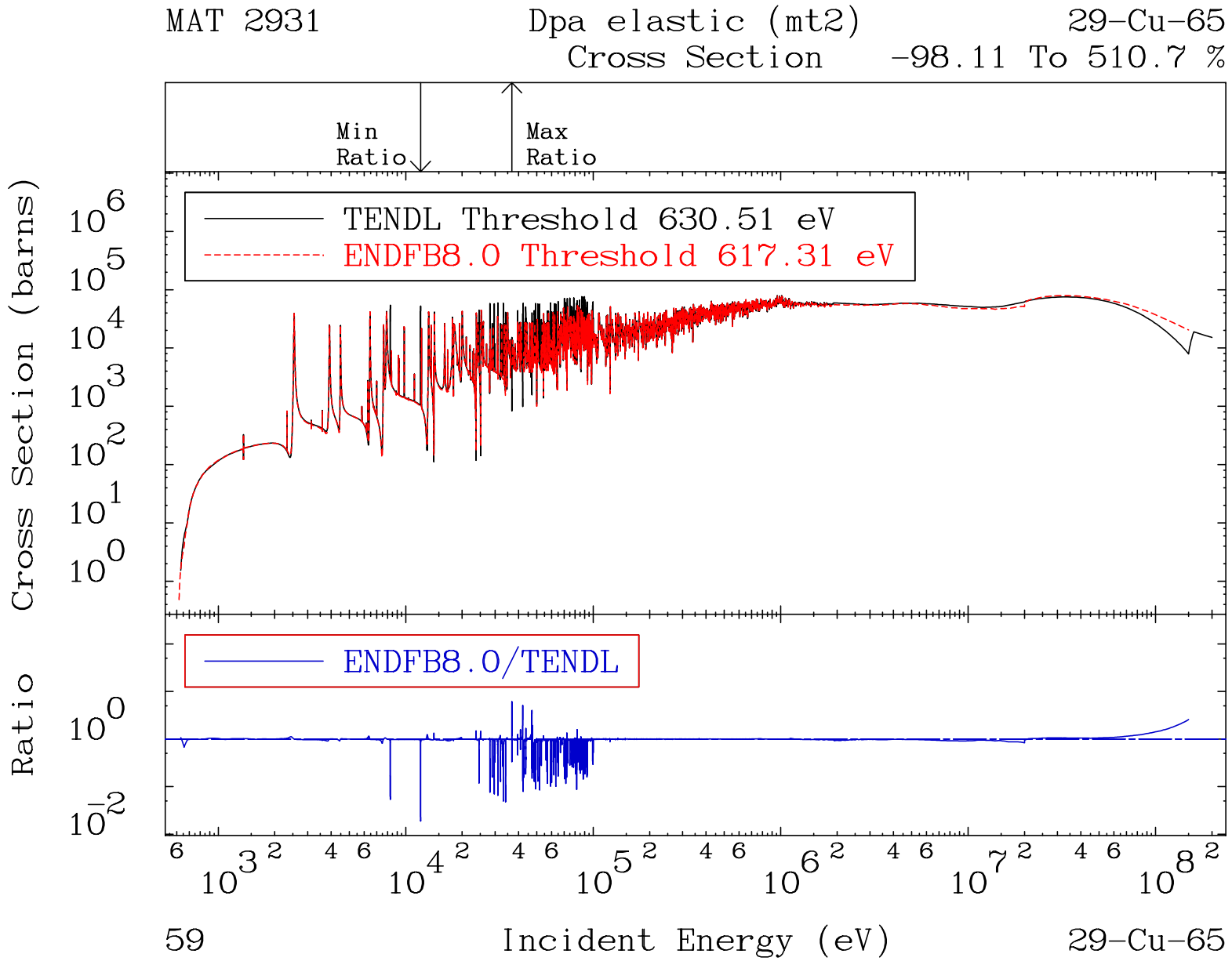

MAT 2931
Dpa inelastic (mt51-91)
29-Cu-65
Cross Section -100.0 To 10.99 %
Max Ratio
Min Ratio
TENDL Threshold 782.61 keV
JEFF3.3 Threshold 782.98 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
54
29-Cu-65

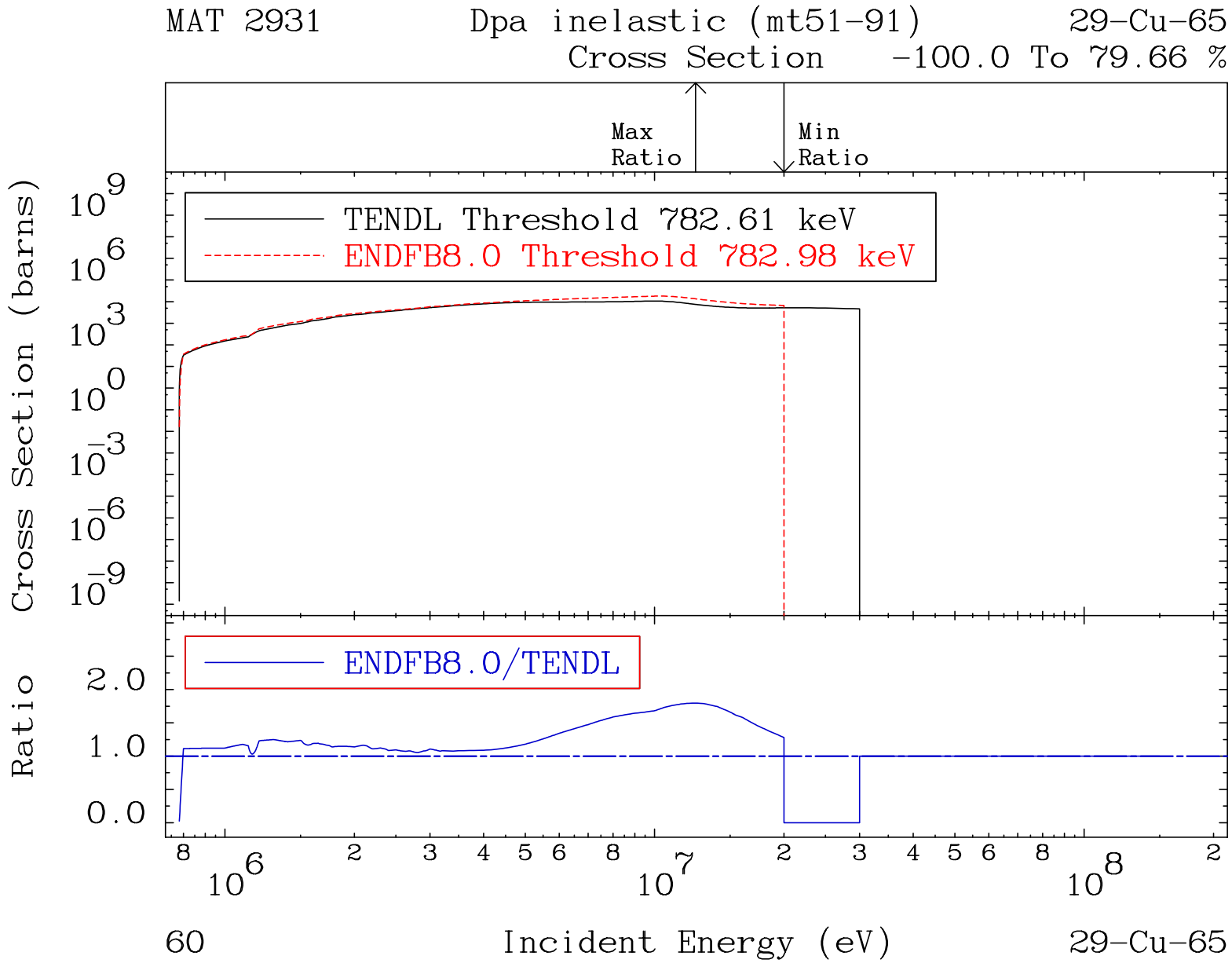

MAT 2931 Dpa disappearance (mt102 -120) 29-Cu-65
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
55
29-Cu-65

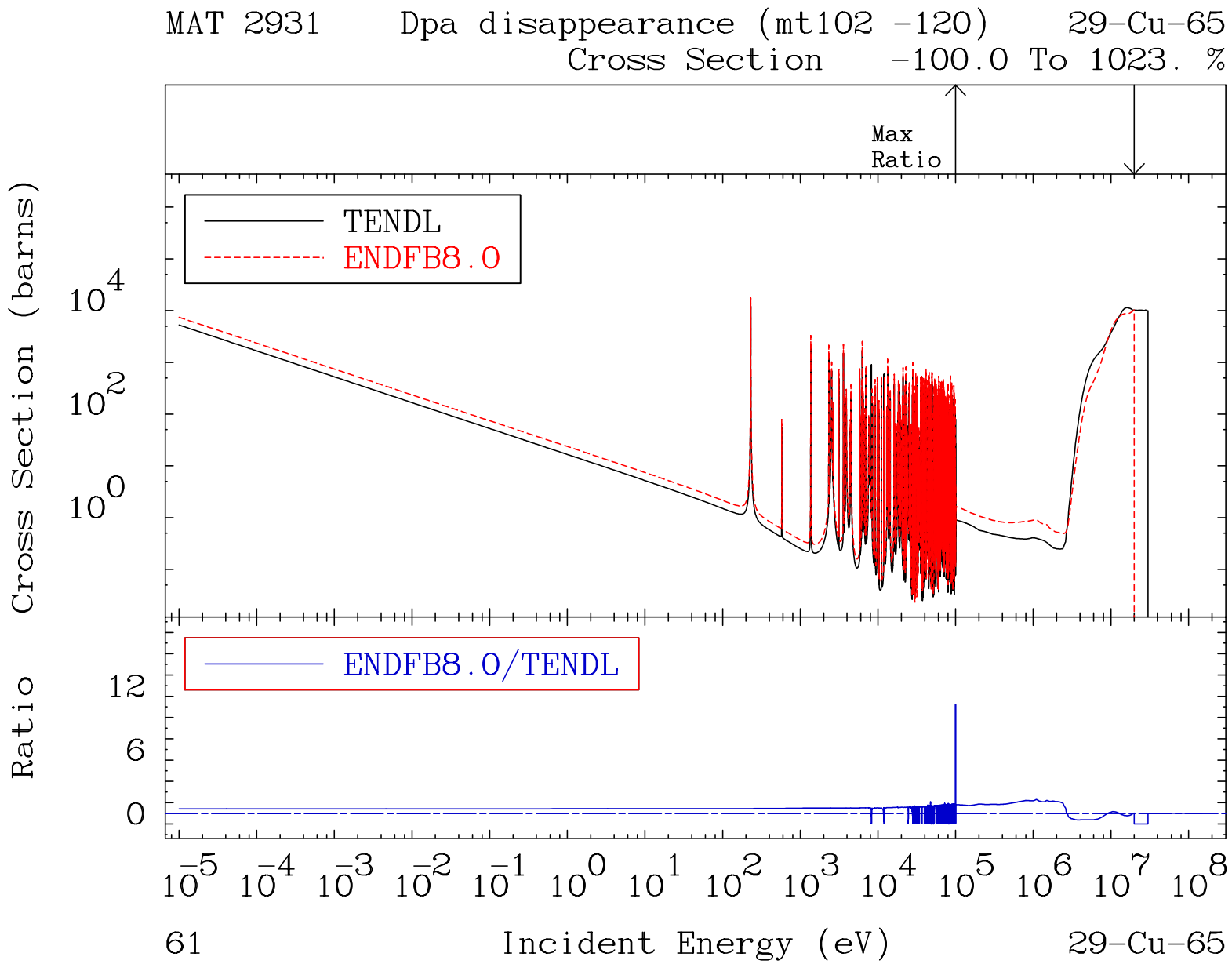

MAT 2931
Total photon (eV-barns)
29-Cu-65
Cross Section
-99.99 To 509.6 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
29-Cu-65


MAT 2931 Total kinematic kerma (high limit) 29-Cu-65
Cross Section -98.13 To 412.9 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
29-Cu-65


MAT 2931
Dpa total (eV-barns)
29-Cu-65
Cross Section
-98.13 To 413.7 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
29-Cu-65


MAT 2931
Dpa elastic (mt2)
Cross Section
29-Cu-65
-98.11 To 510.7 %
Min Ratio
Max Ratio
TENDL Threshold 630.51 eV
ENDFB8.0 Threshold 617.31 eV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
29-Cu-65


MAT 2931
Dpa inelastic (mt51-91)
29-Cu-65
Cross Section
-100.0 To 79.66 %
Max Ratio
Min Ratio
TENDL Threshold 782.61 keV
ENDFB8.0 Threshold 782.98 keV
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
60
29-Cu-65


MAT 2931 Dpa disappearance (mt102 -120) 29-Cu-65
Cross Section -100.0 To 1023. %
Max
Ratio
TENDL
ENDFB8.0
Cross Section (barns)
10^4
10^2
10^0
ENDFB8.0/TENDL
Ratio
12
6
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
61
Incident Energy (eV)
29-Cu-65