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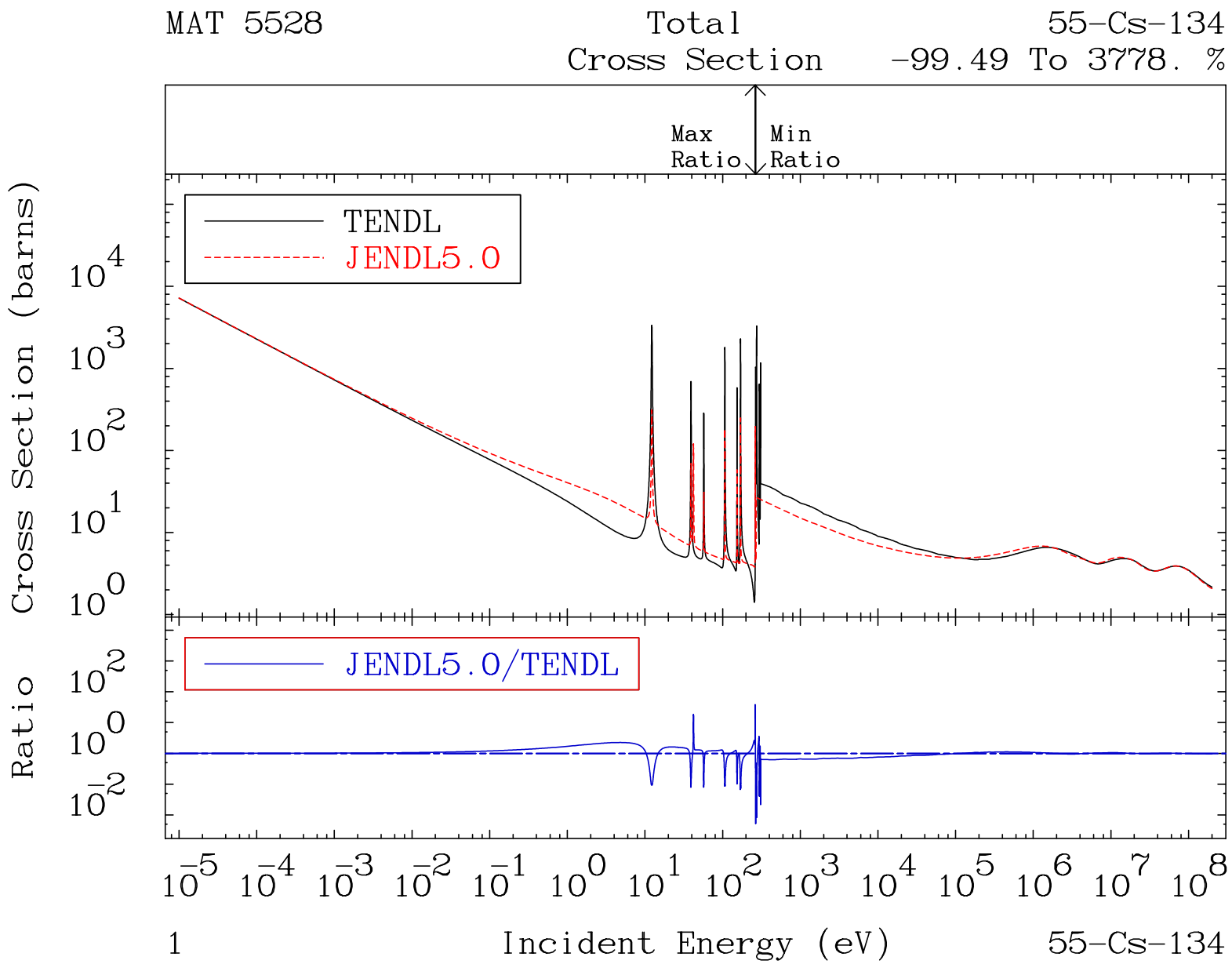
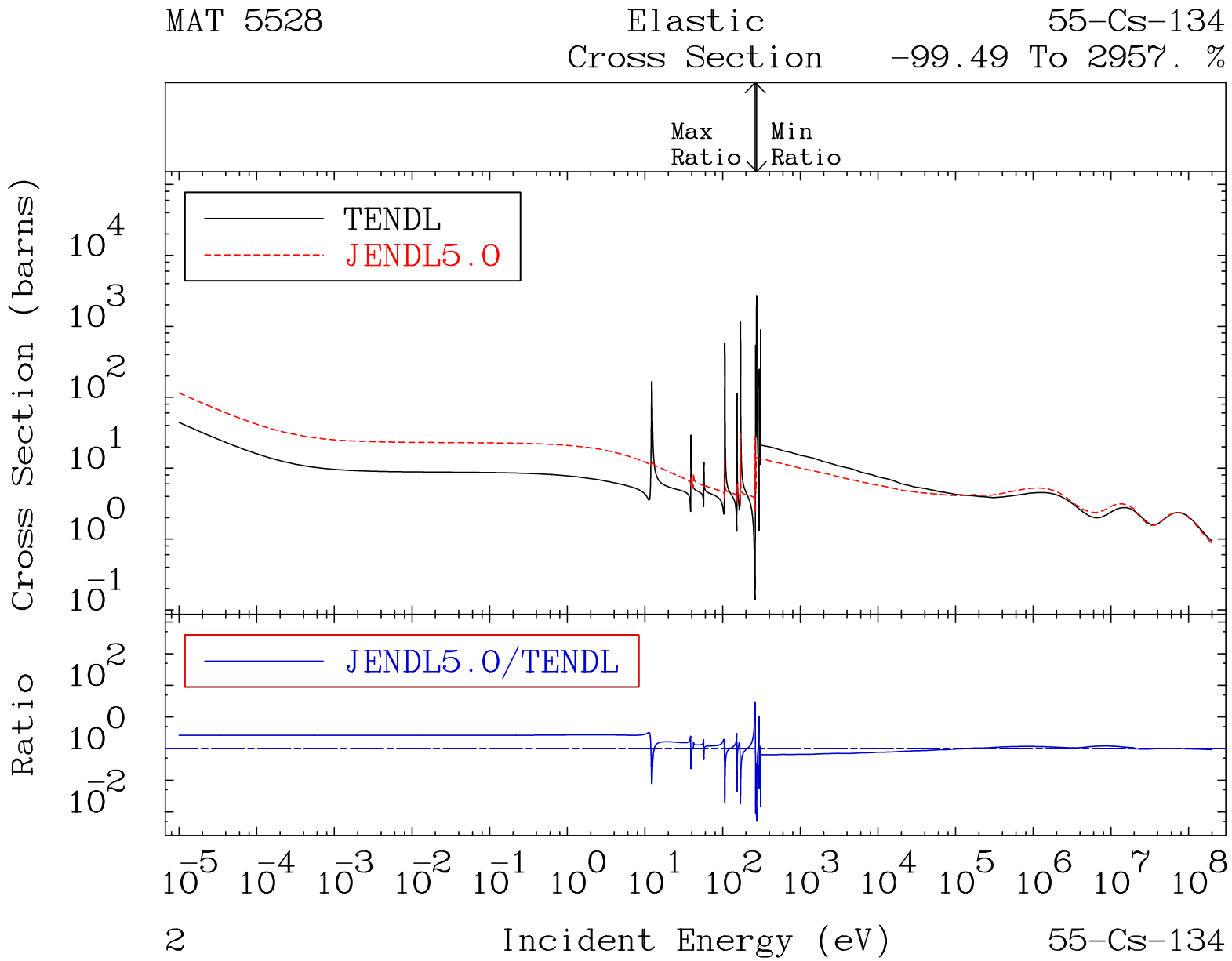
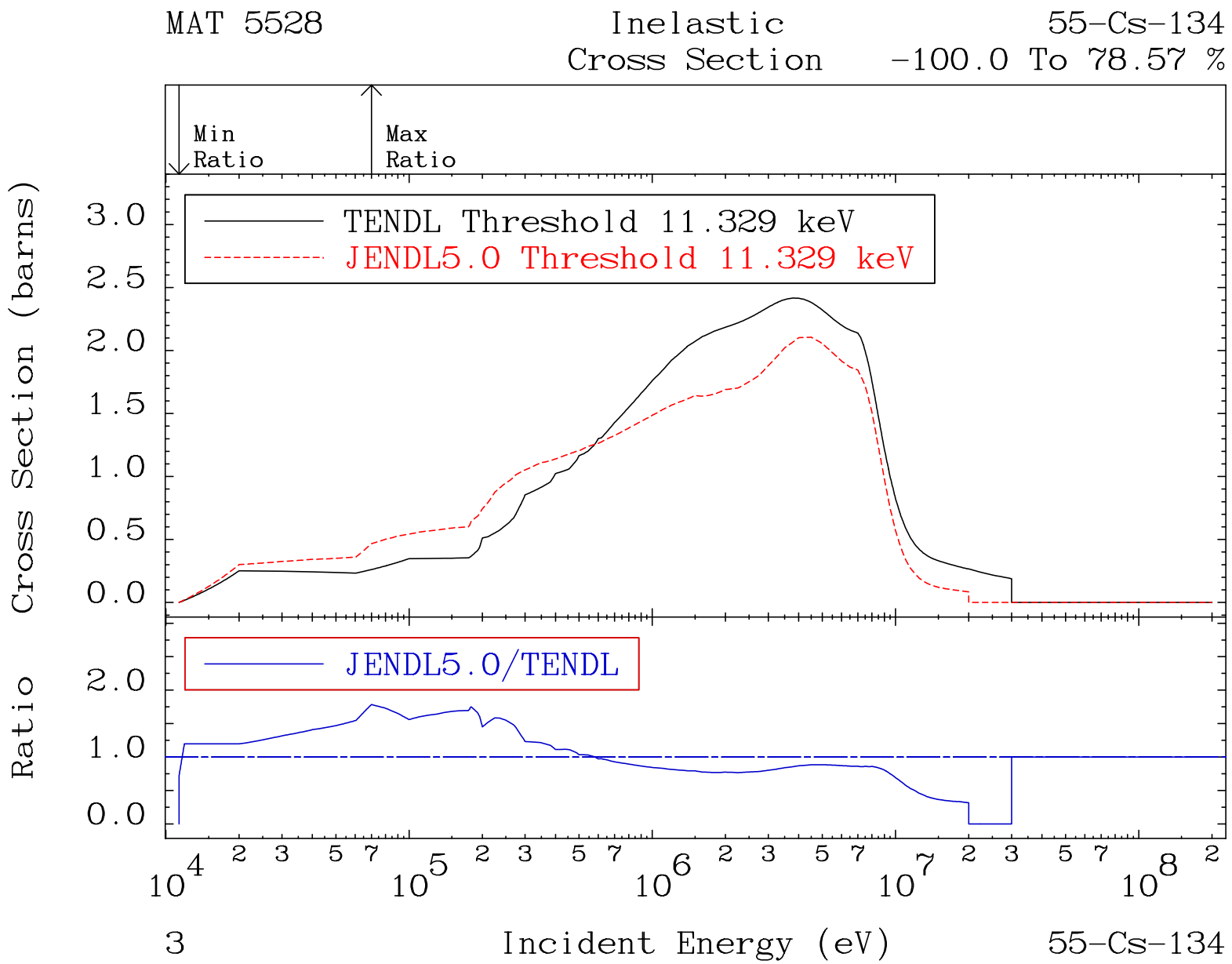
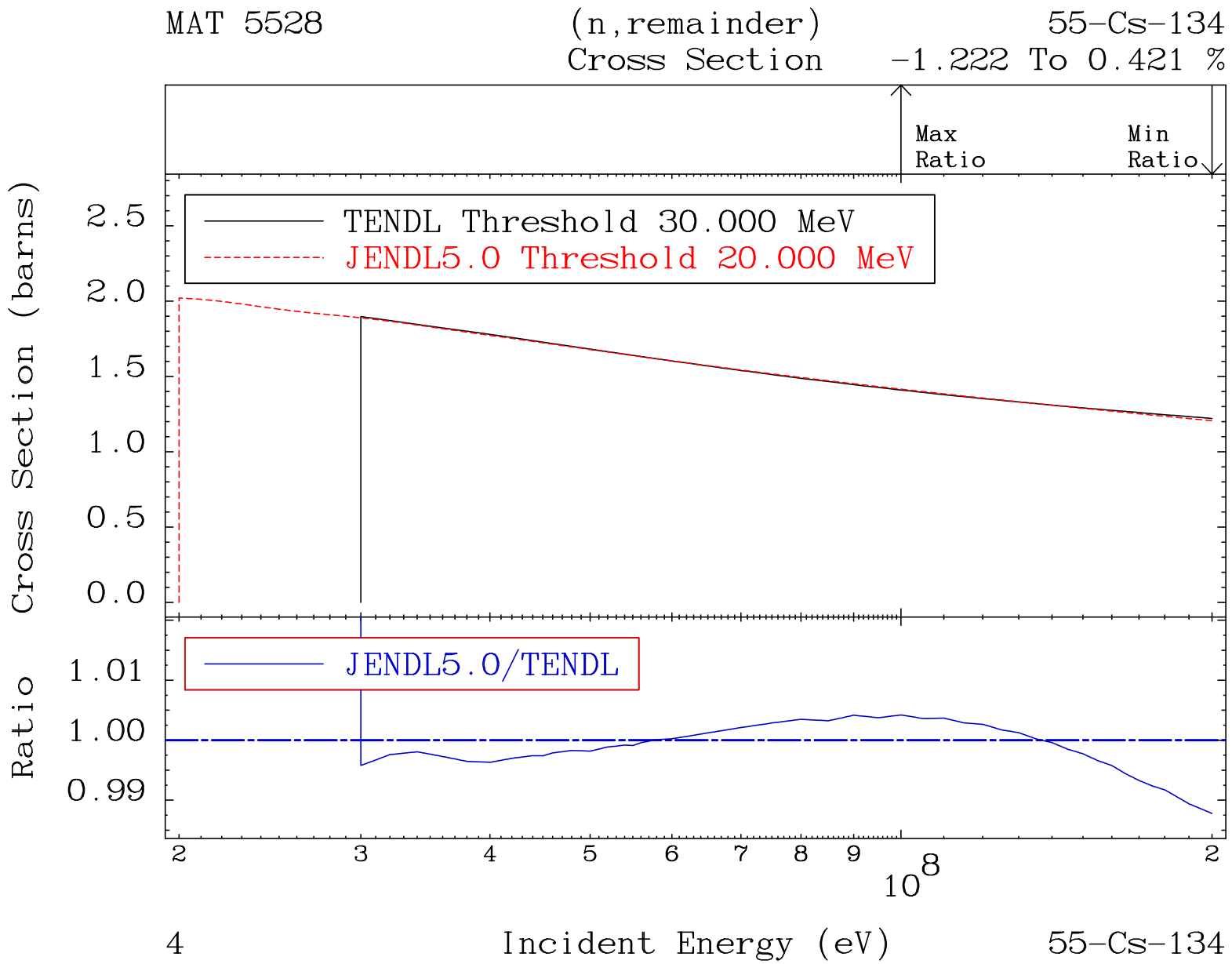
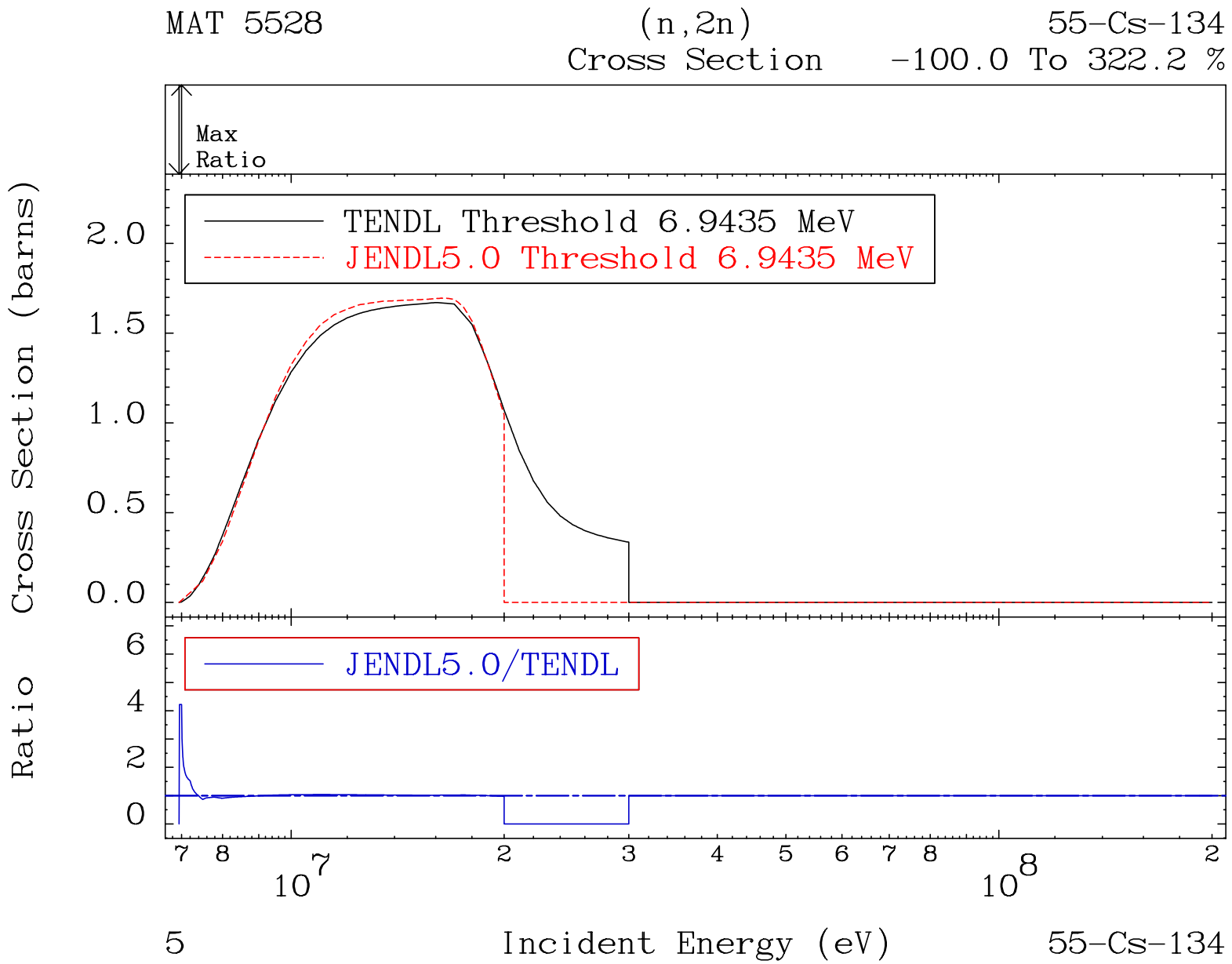
Press Mouse Button to Start

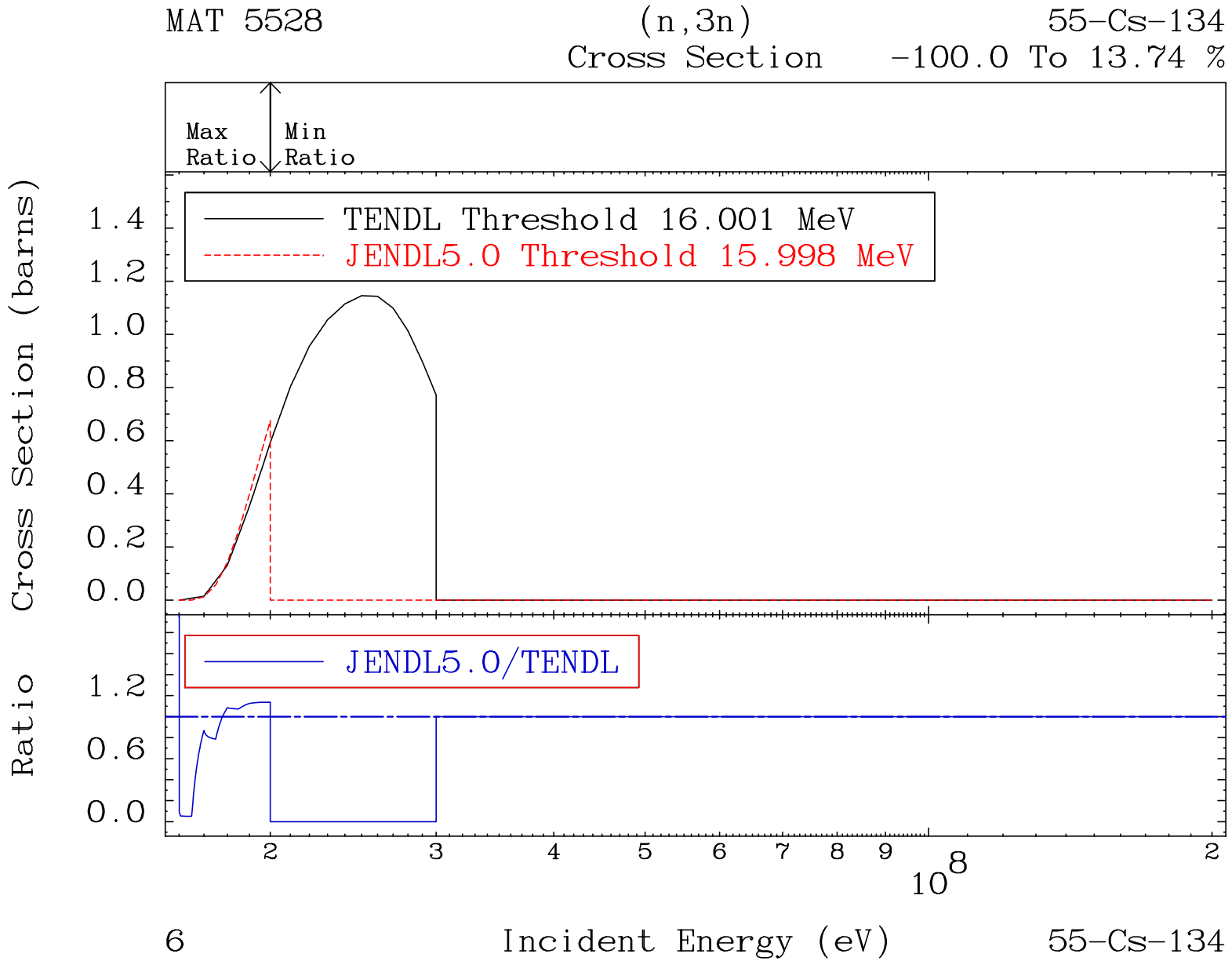

MAT 5528
Total
Cross Section
55-Cs-134
-99.49 To 3778. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
55-Cs-134

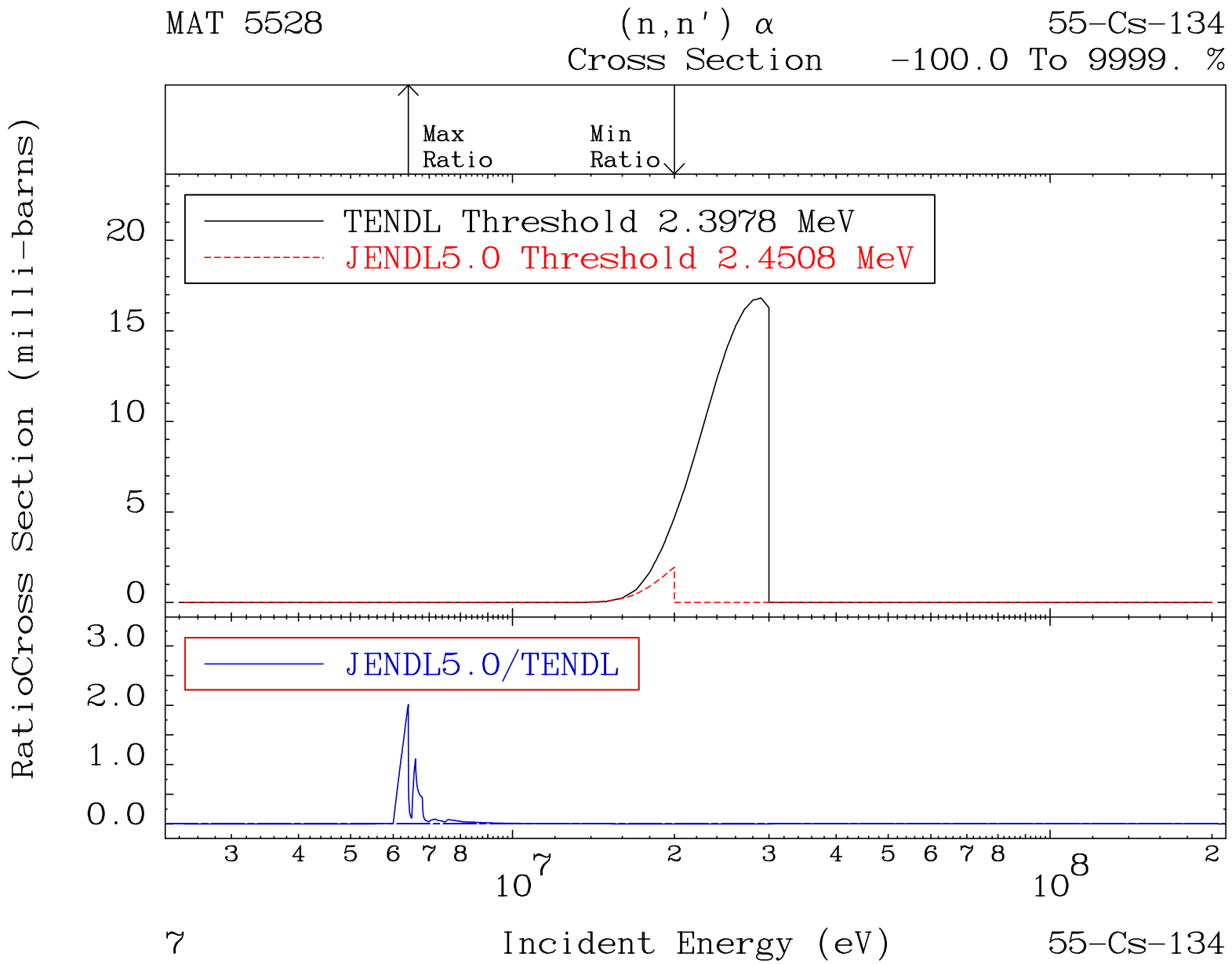

MAT 5528
Elastic
Cross Section
55-Cs-134
-99.49 To 2957. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
2
55-Cs-134

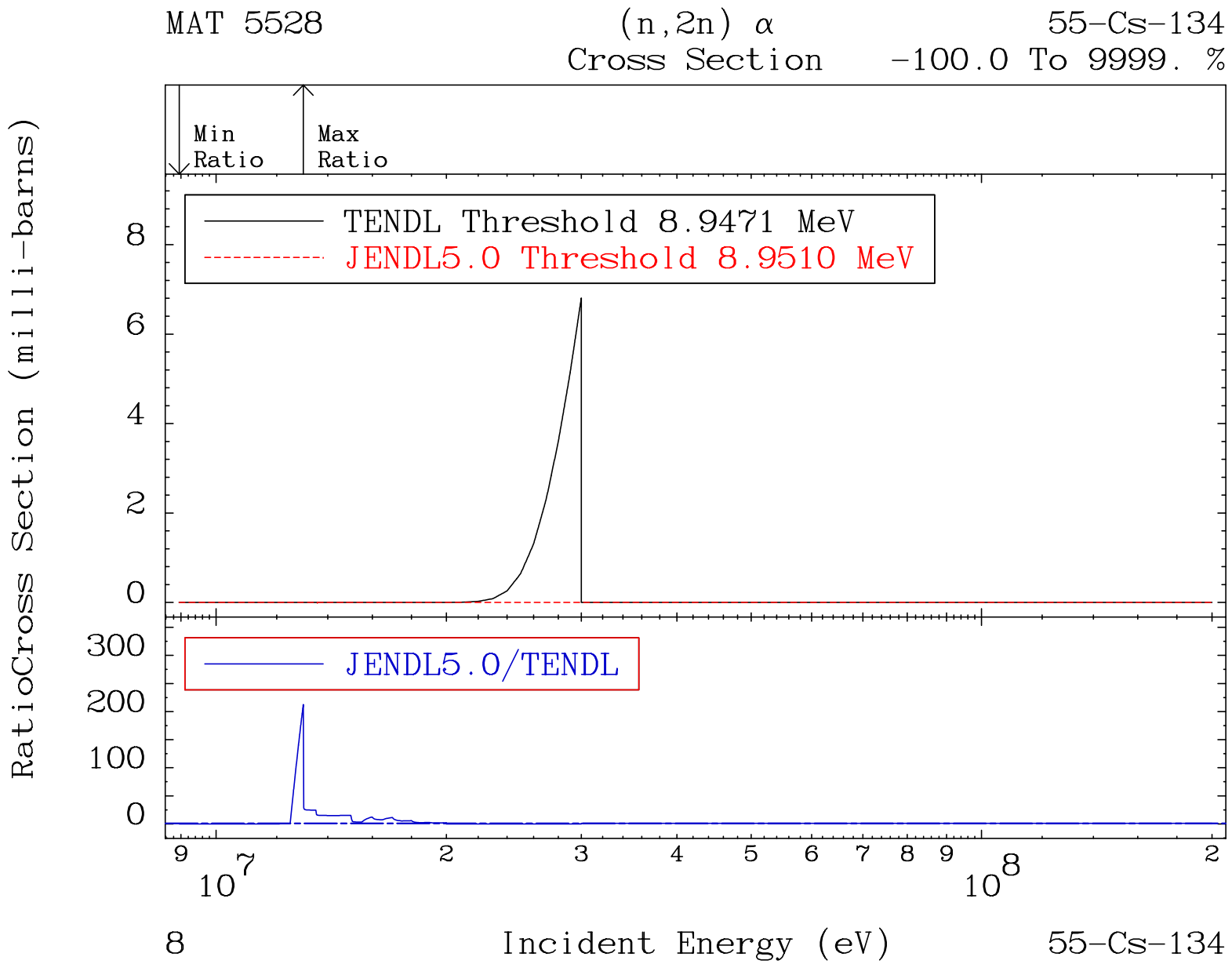

MAT 5528
Inelastic
Cross Section
55-Cs-134
-100.0 To 78.57 %
Min Ratio
Max Ratio
TENDL Threshold 11.329 keV
JENDL5.0 Threshold 11.329 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
Incident Energy (eV)
3
55-Cs-134

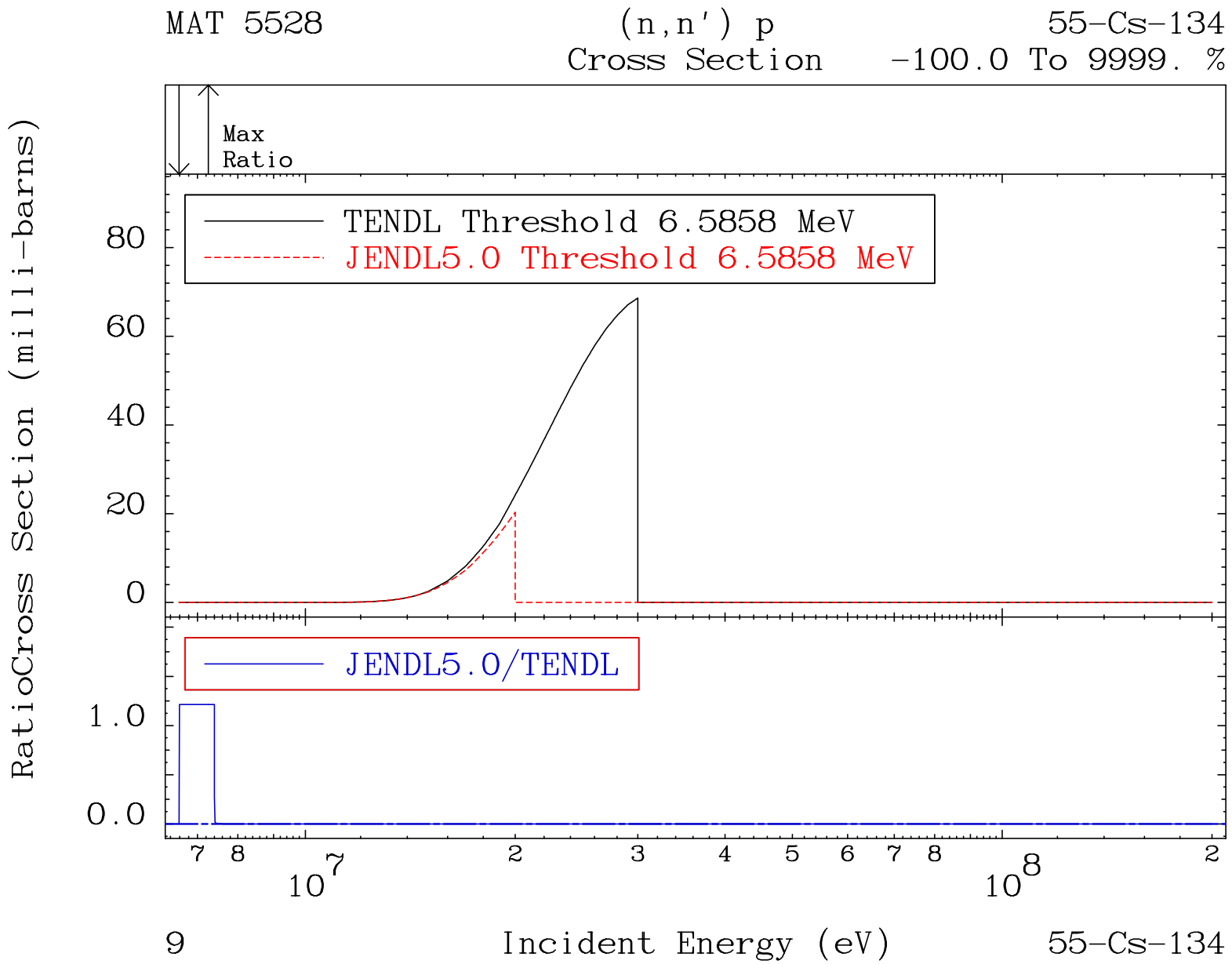

MAT 5528
(n,remainder)
Cross Section
55-Cs-134
-1.222 To 0.421 %
Max Ratio
Min Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
55-Cs-134

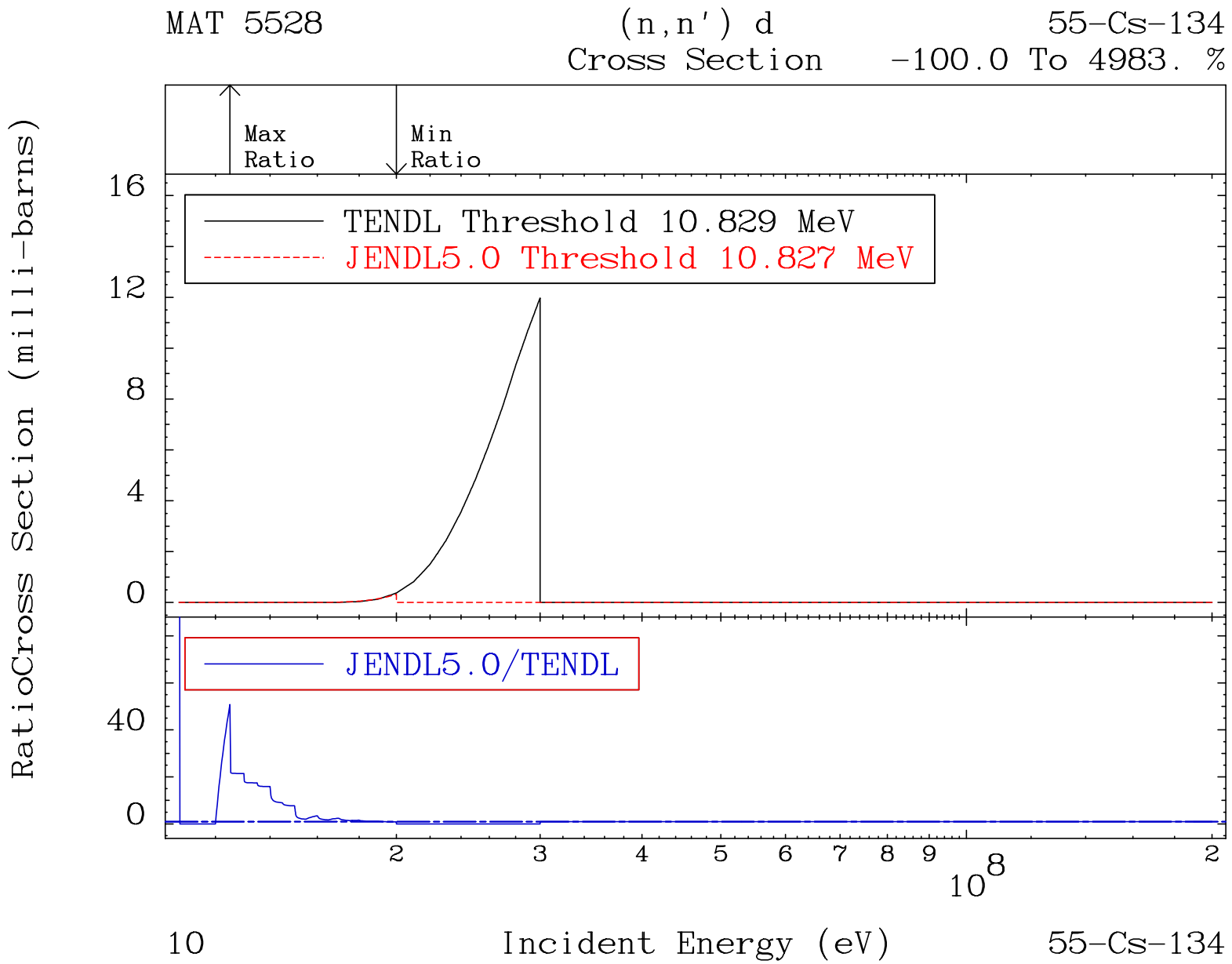

MAT 5528
(n,2n)
Cross Section
55-Cs-134
-100.0 To 322.2 %
Max
Ratio
TENDL Threshold 6.9435 MeV
JENDL5.0 Threshold 6.9435 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
6
4
2
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
5
55-Cs-134

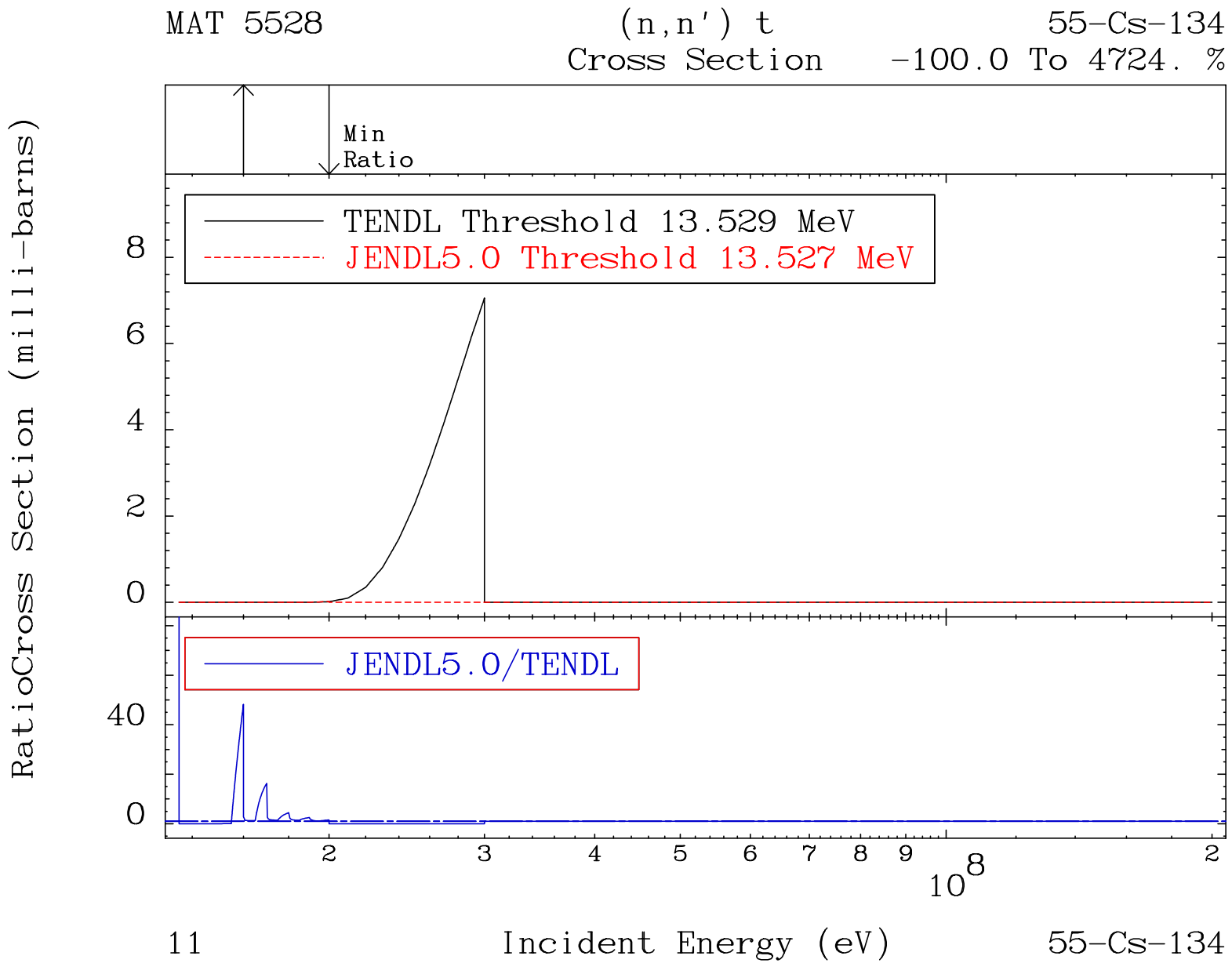

MAT 5528
(n,3n)
55-Cs-134
Cross Section
-100.0 To 13.74 %
Max Ratio
Min Ratio
TENDL Threshold 16.001 MeV
JENDL5.0 Threshold 15.998 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
55-Cs-134

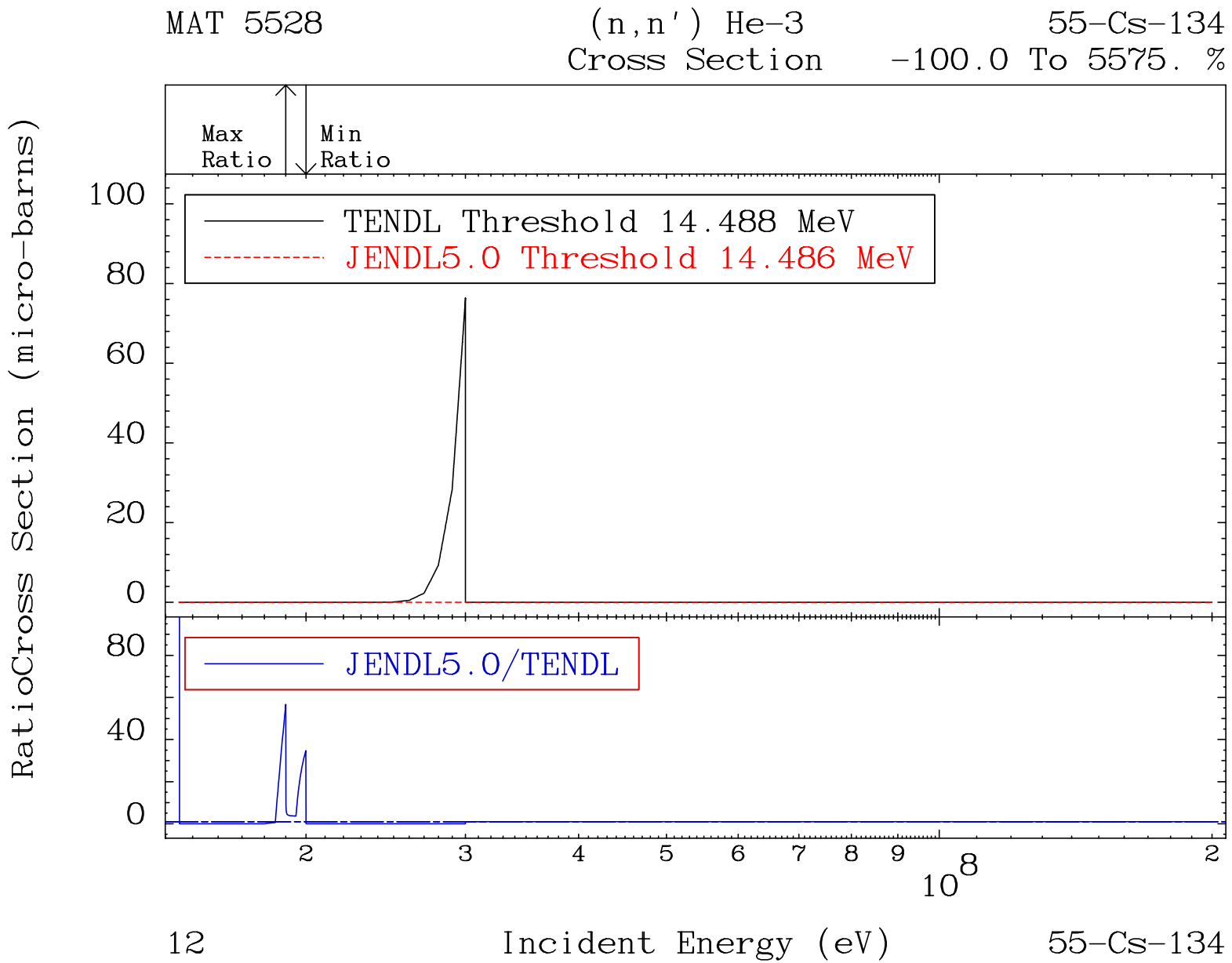

MAT 5528
(n,n') α
Cross Section
55-Cs-134
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.3978 MeV
JENDL5.0 Threshold 2.4508 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
7
55-Cs-134

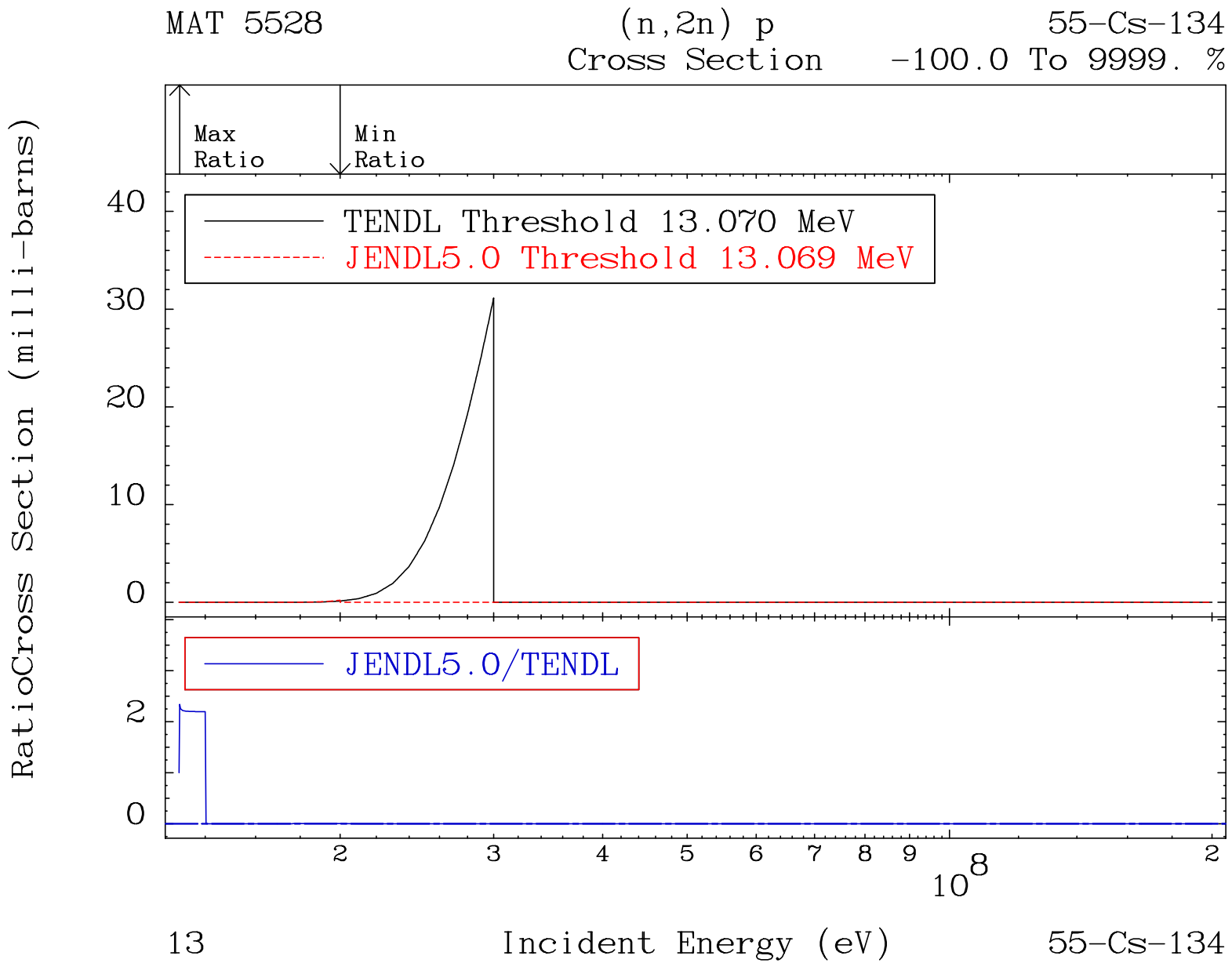

MAT 5528
(n,2n) α
55-Cs-134
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 8.9471 MeV
JENDL5.0 Threshold 8.9510 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
55-Cs-134
8

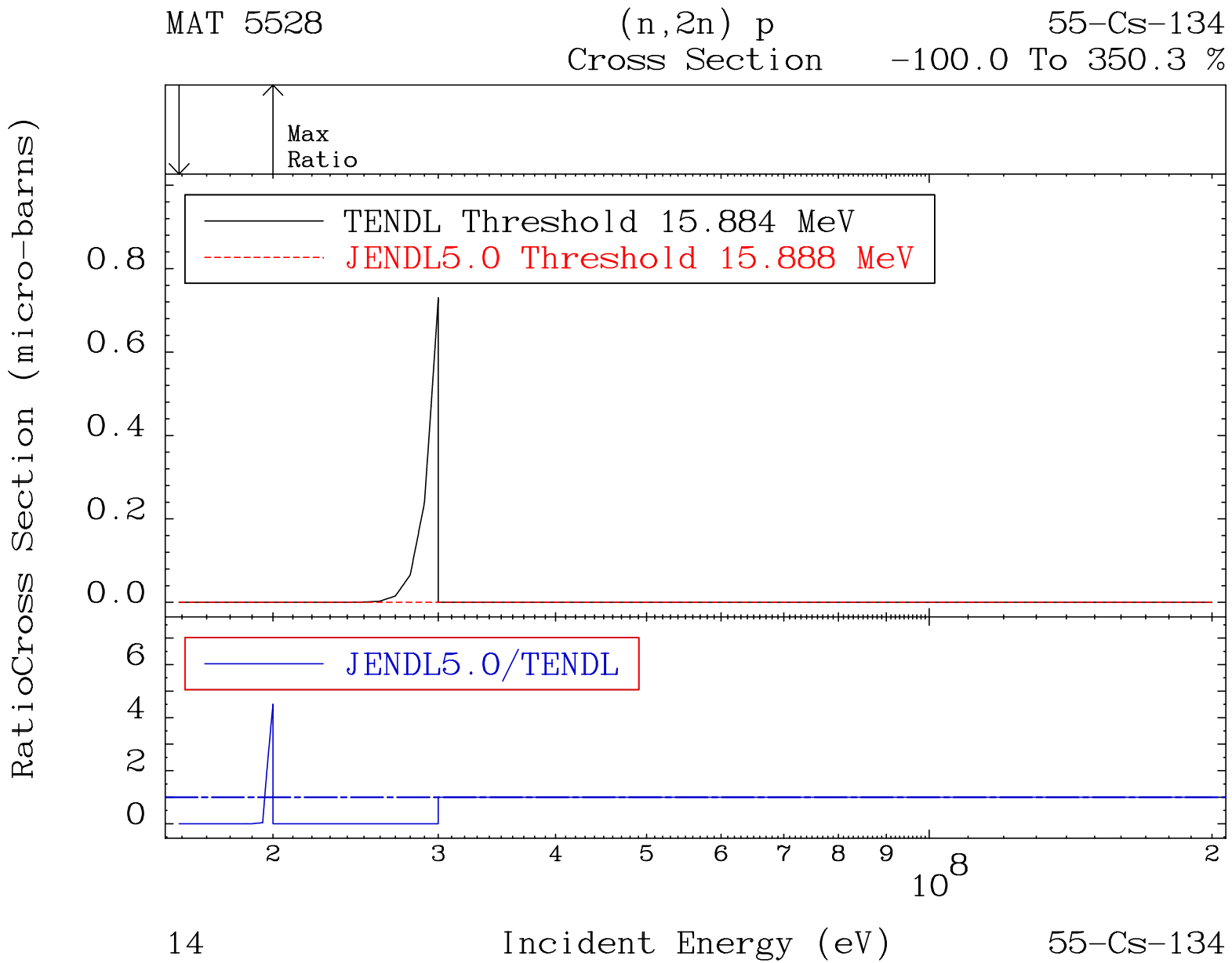

MAT 5528
(n,n') p
Cross Section
55-Cs-134
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.5858 MeV
JENDL5.0 Threshold 6.5858 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
9
Incident Energy (eV)
55-Cs-134

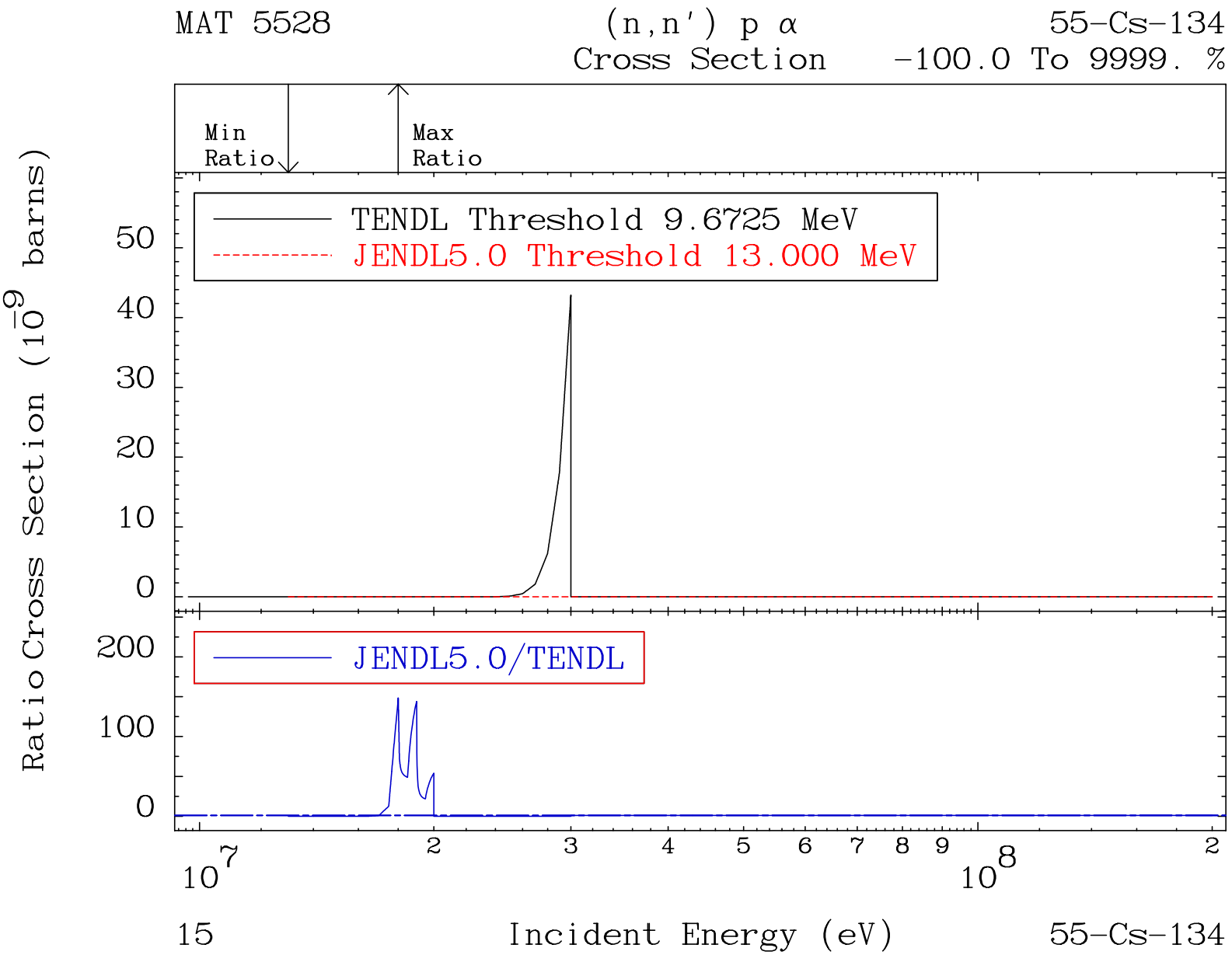

MAT 5528
(n,n') d
Cross Section
55-Cs-134
-100.0 To 4983. %
Max Ratio
Min Ratio
TENDL Threshold 10.829 MeV
JENDL5.0 Threshold 10.827 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
40
0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
55-Cs-134

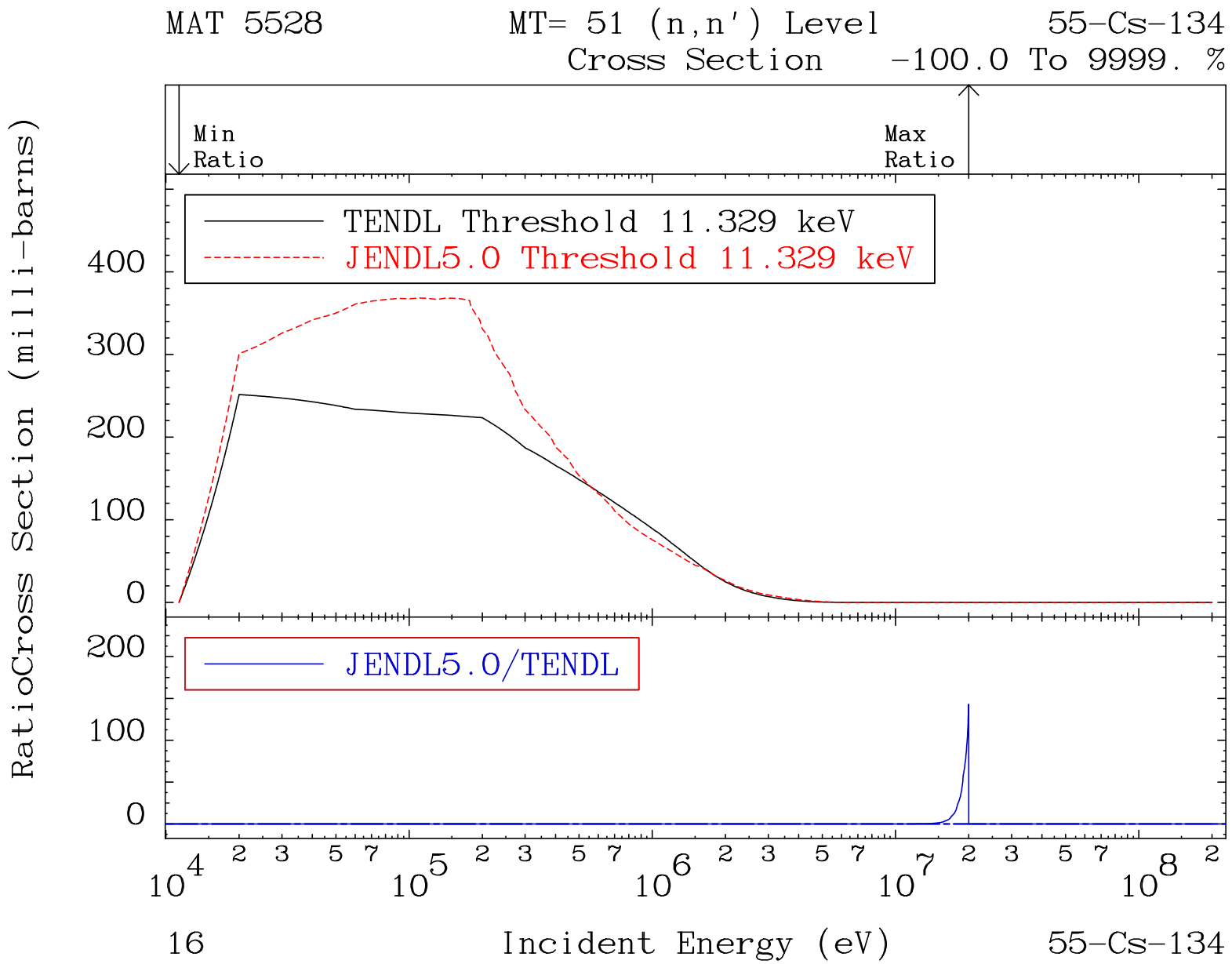

MAT 5528
(n,n') t
55-Cs-134
Cross Section
-100.0 To 4724. %
Min
Ratio
TENDL Threshold 13.529 MeV
JENDL5.0 Threshold 13.527 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
40
0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
55-Cs-134

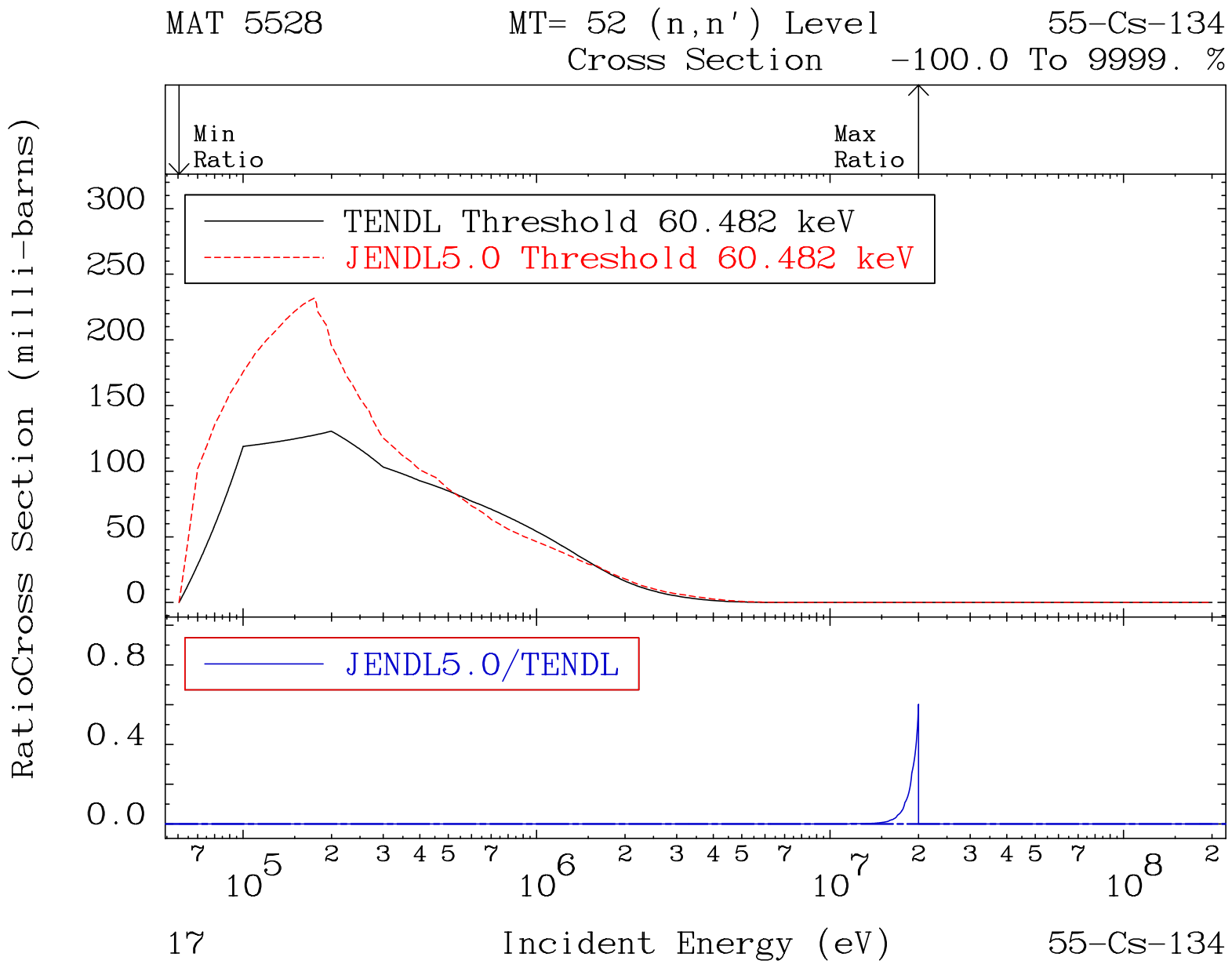

MAT 5528
(n,n') He-3
Cross Section
55-Cs-134
-100.0 To 5575. %
Max Ratio
Min Ratio
TENDL Threshold 14.488 MeV
JENDL5.0 Threshold 14.486 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
100
80
60
40
20
0
80
40
0
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
55-Cs-134

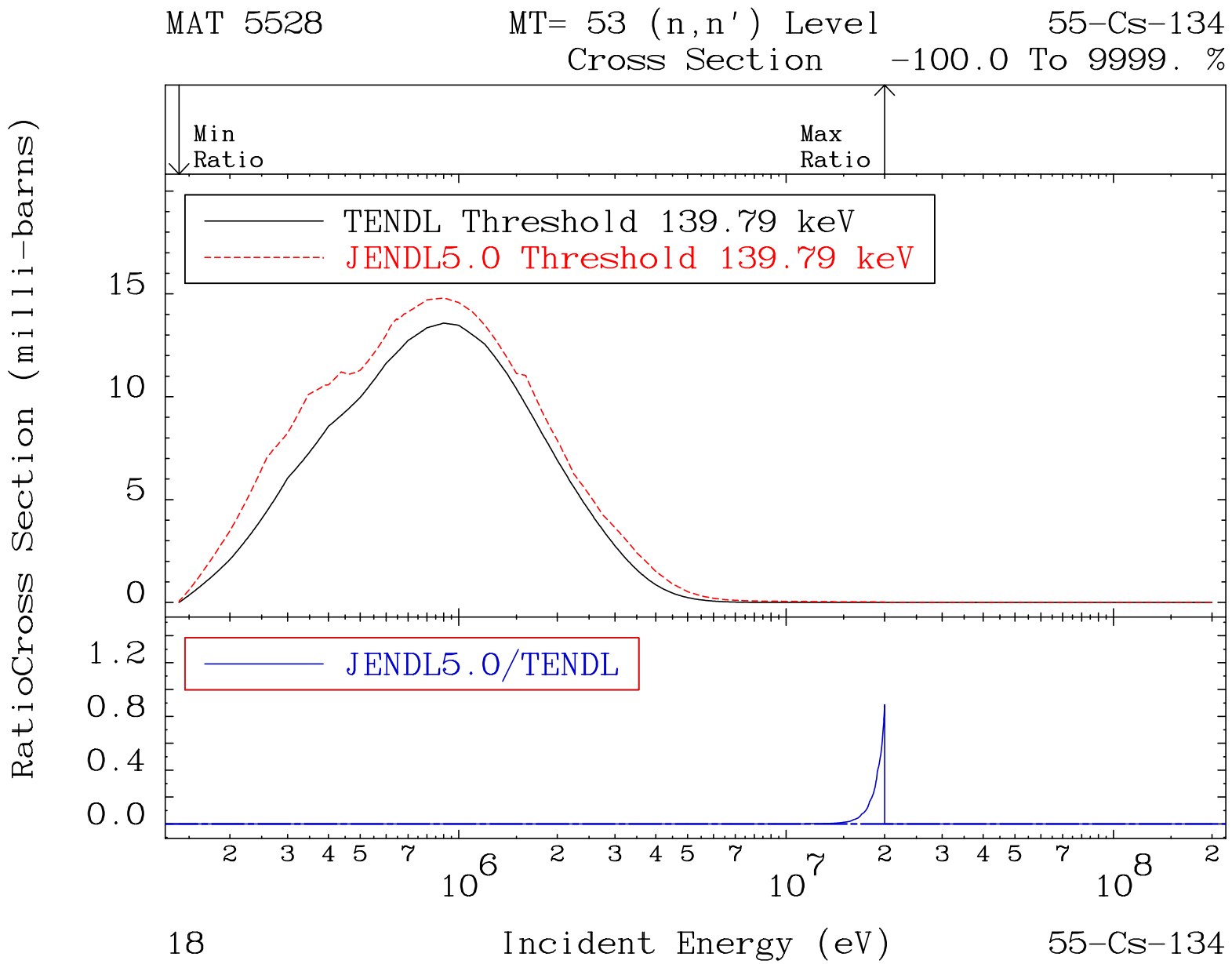

MAT 5528
(n,2n) p
Cross Section
55-Cs-134
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.070 MeV
JENDL5.0 Threshold 13.069 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2
0
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
55-Cs-134

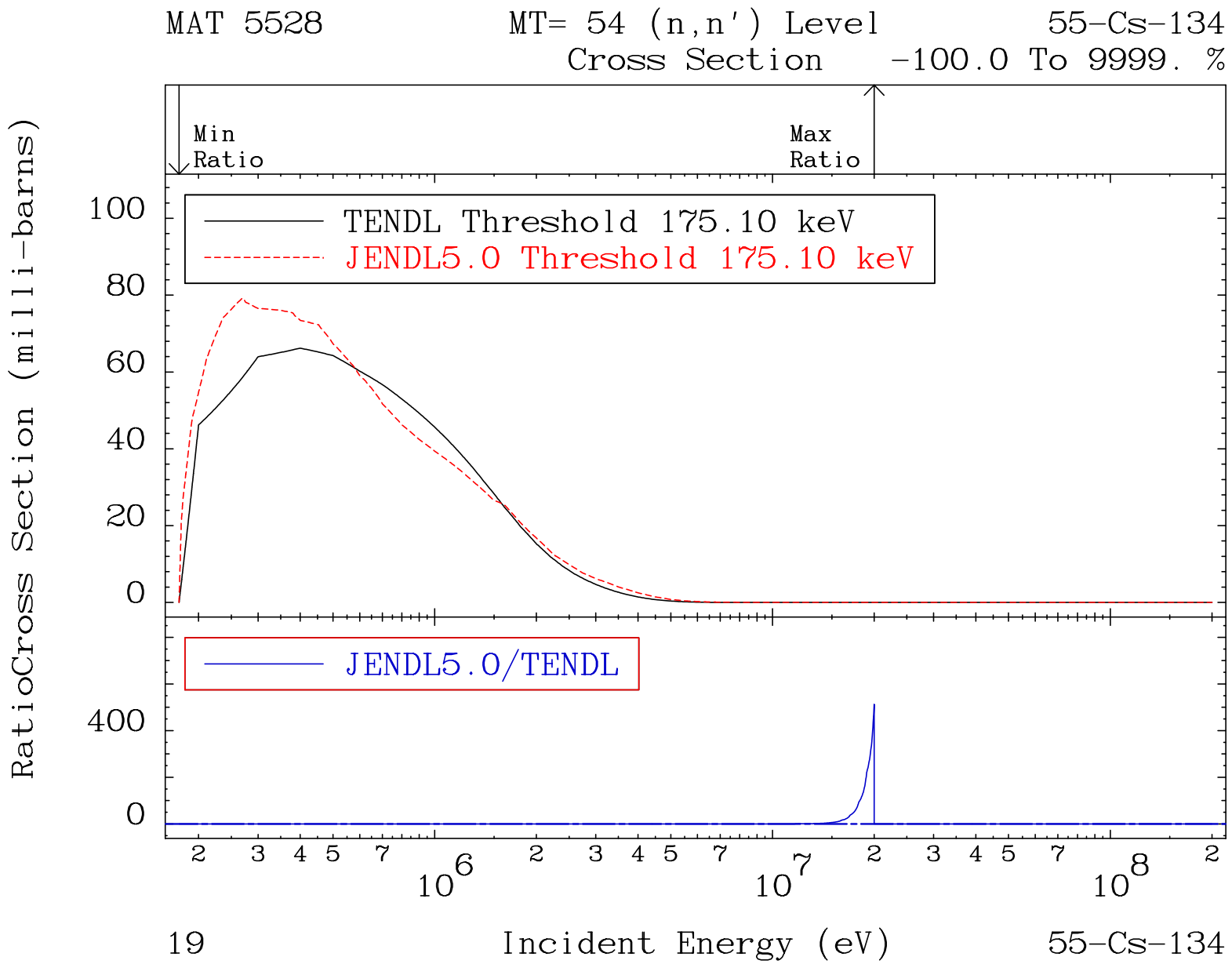

MAT 5528
(n,2n) p
Cross Section
55-Cs-134
-100.0 To 350.3 %
Max
Ratio
TENDL Threshold 15.884 MeV
JENDL5.0 Threshold 15.888 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
0.8
0.6
0.4
0.2
0.0
6
4
2
0
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
55-Cs-134

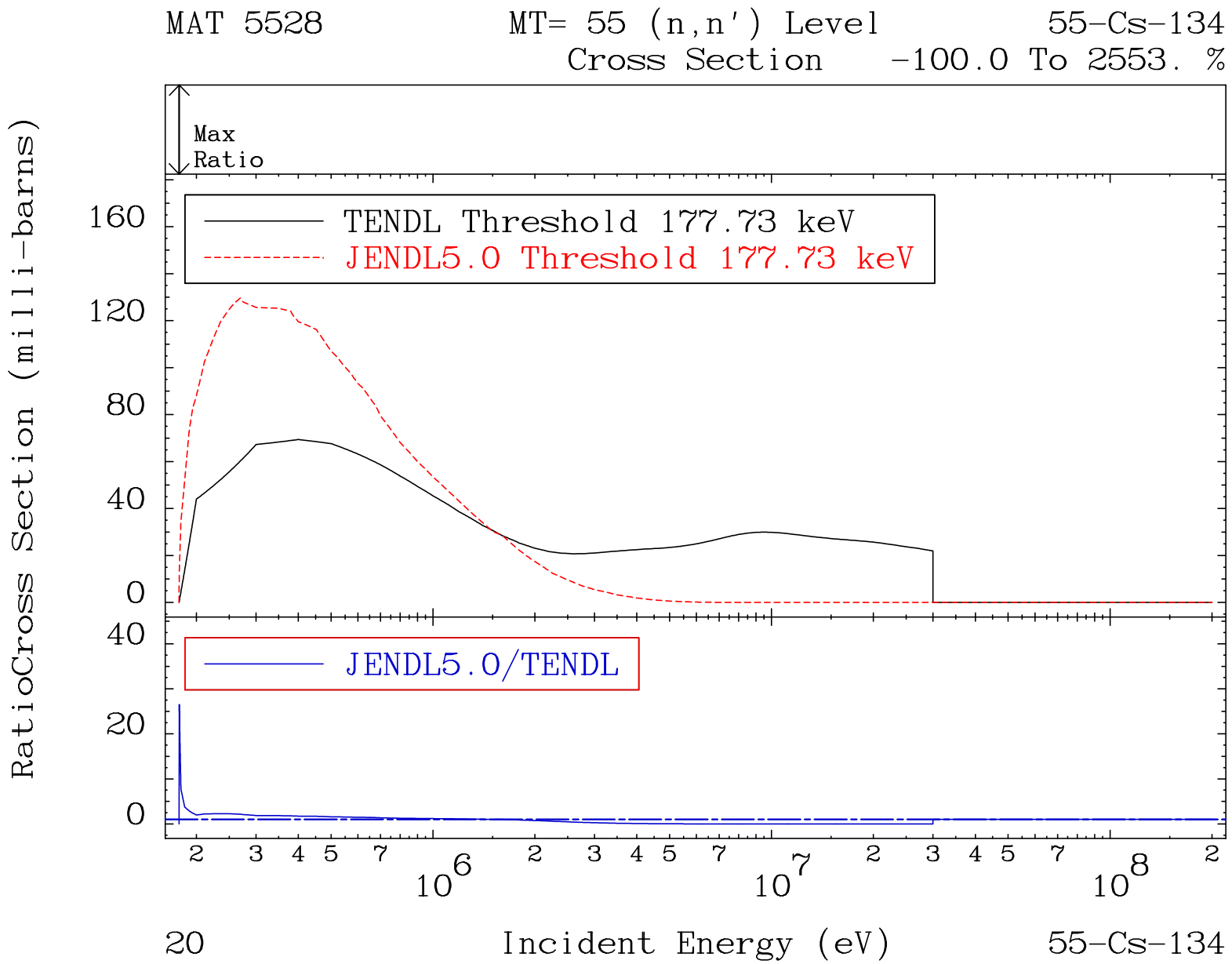

MAT 5528
(n,n') p α
55-Cs-134
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.6725 MeV
JENDL5.0 Threshold 13.000 MeV
JENDL5.0/TENDL
Ratio Cross Section (10^-9 barns)
50
40
30
20
10
0
200
100
0
10^7
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
55-Cs-134

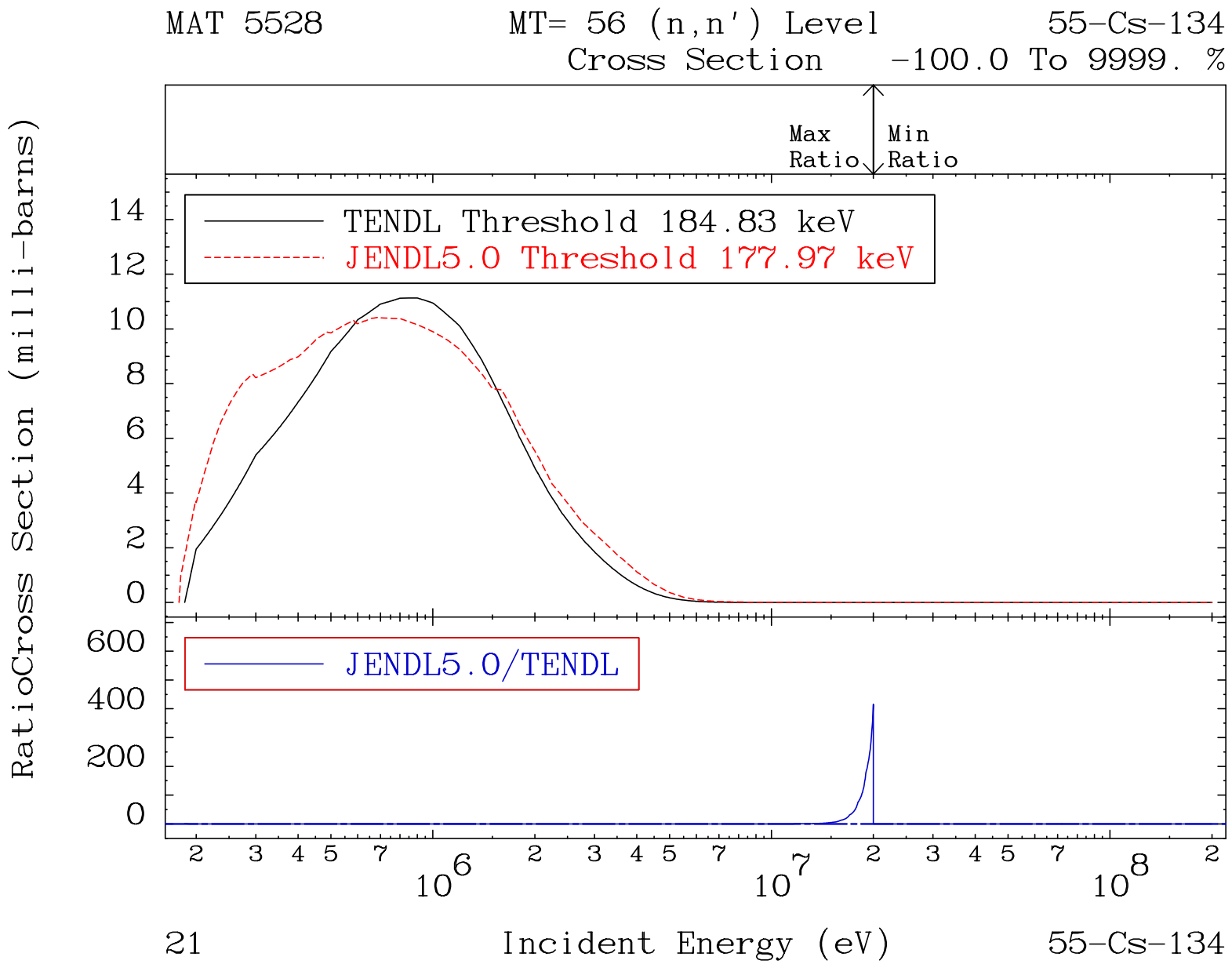

MAT 5528
MT= 51 (n,n') Level
Cross Section
55-Cs-134
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 11.329 keV
JENDL5.0 Threshold 11.329 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
200
100
0
10^4 2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
16
Incident Energy (eV)
55-Cs-134

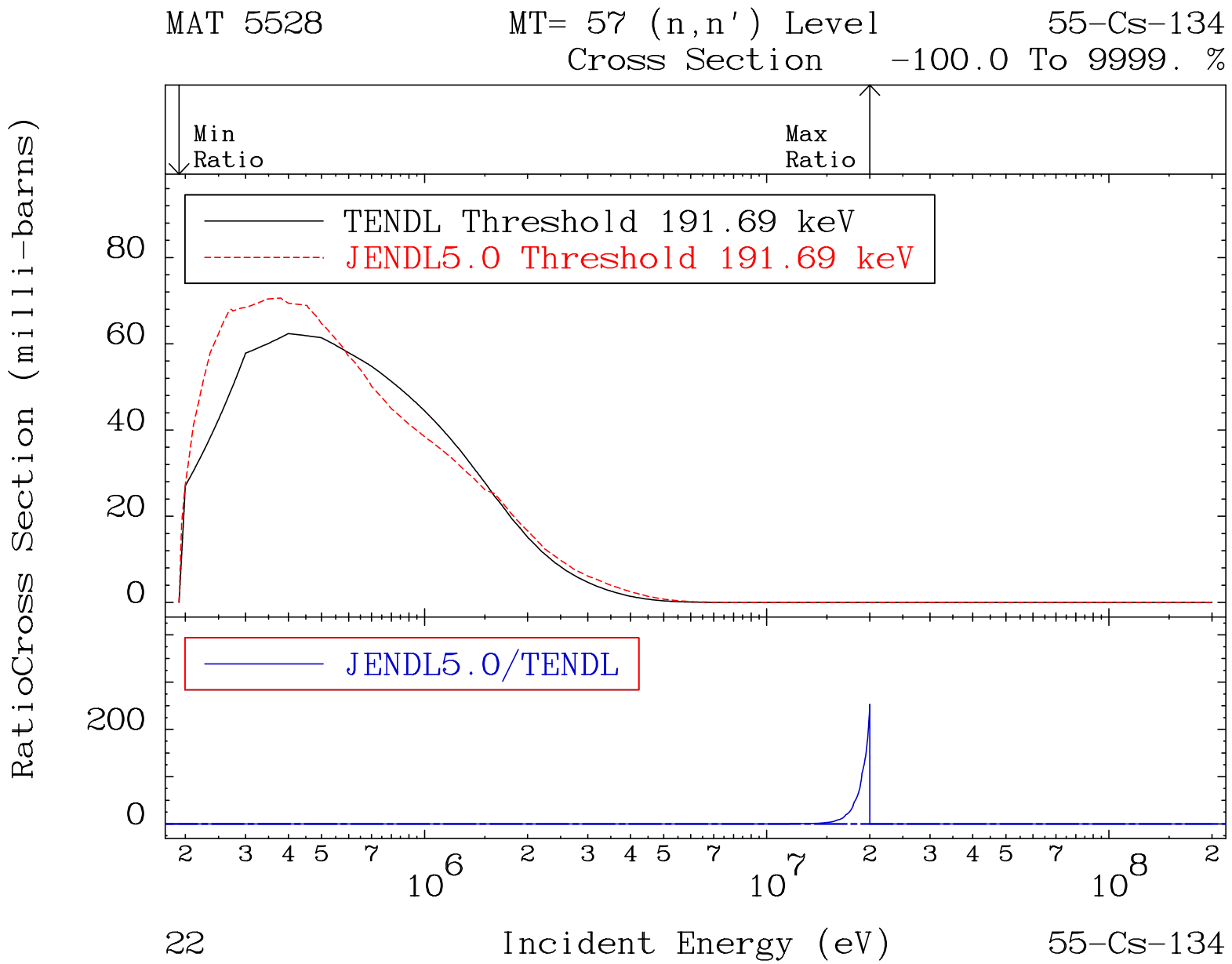

MAT 5528
MT= 52 (n,n') Level
55-Cs-134
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 60.482 keV
JENDL5.0 Threshold 60.482 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
0.8
0.4
0.0
7 2 3 4 5 7 2 3 4 5 7 2 3 4 5 7 2
10^5 10^6 10^7 10^8
17
Incident Energy (eV)
55-Cs-134

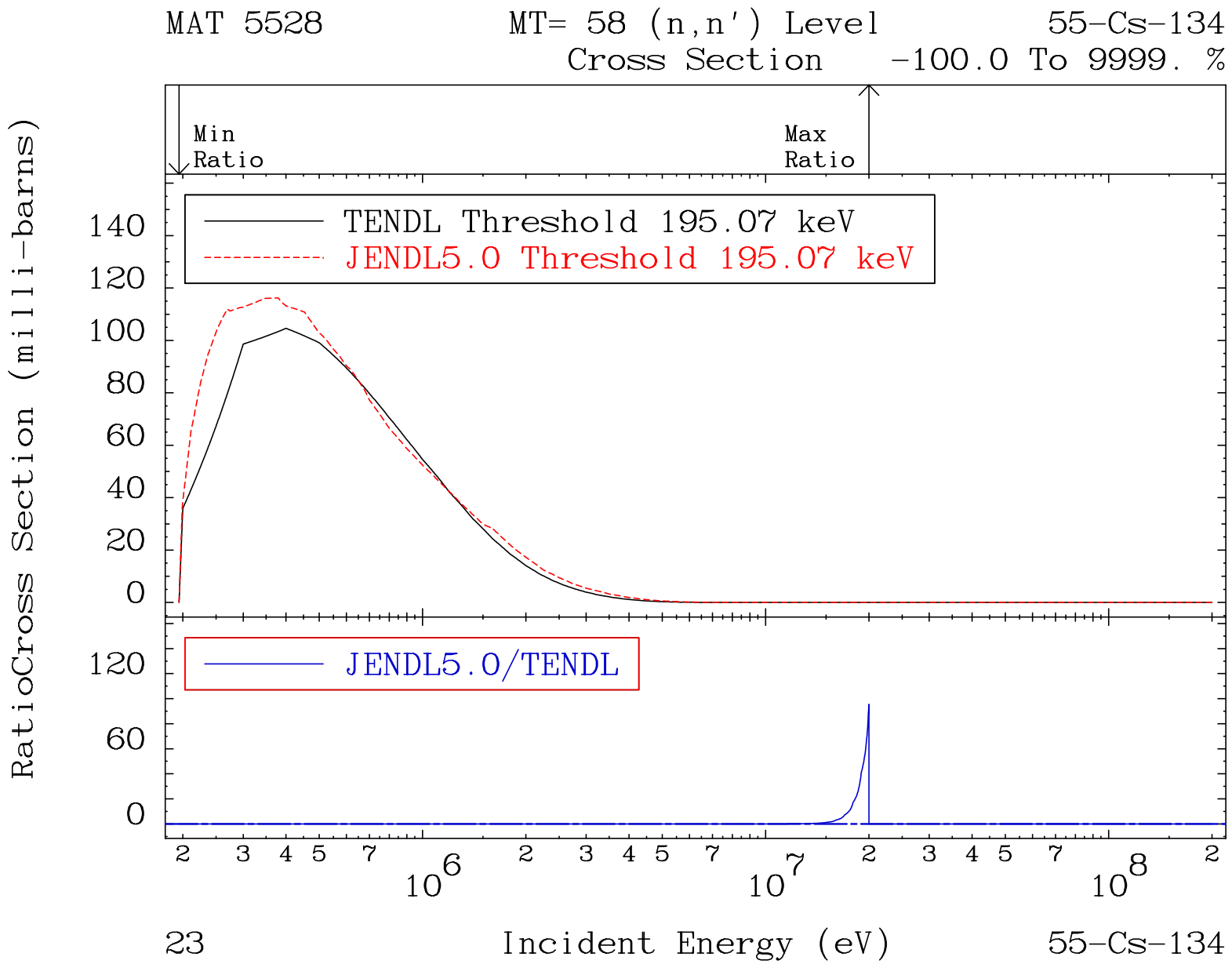

MAT 5528
MT= 53 (n,n') Level
55-Cs-134
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 139.79 keV
JENDL5.0 Threshold 139.79 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
18
55-Cs-134

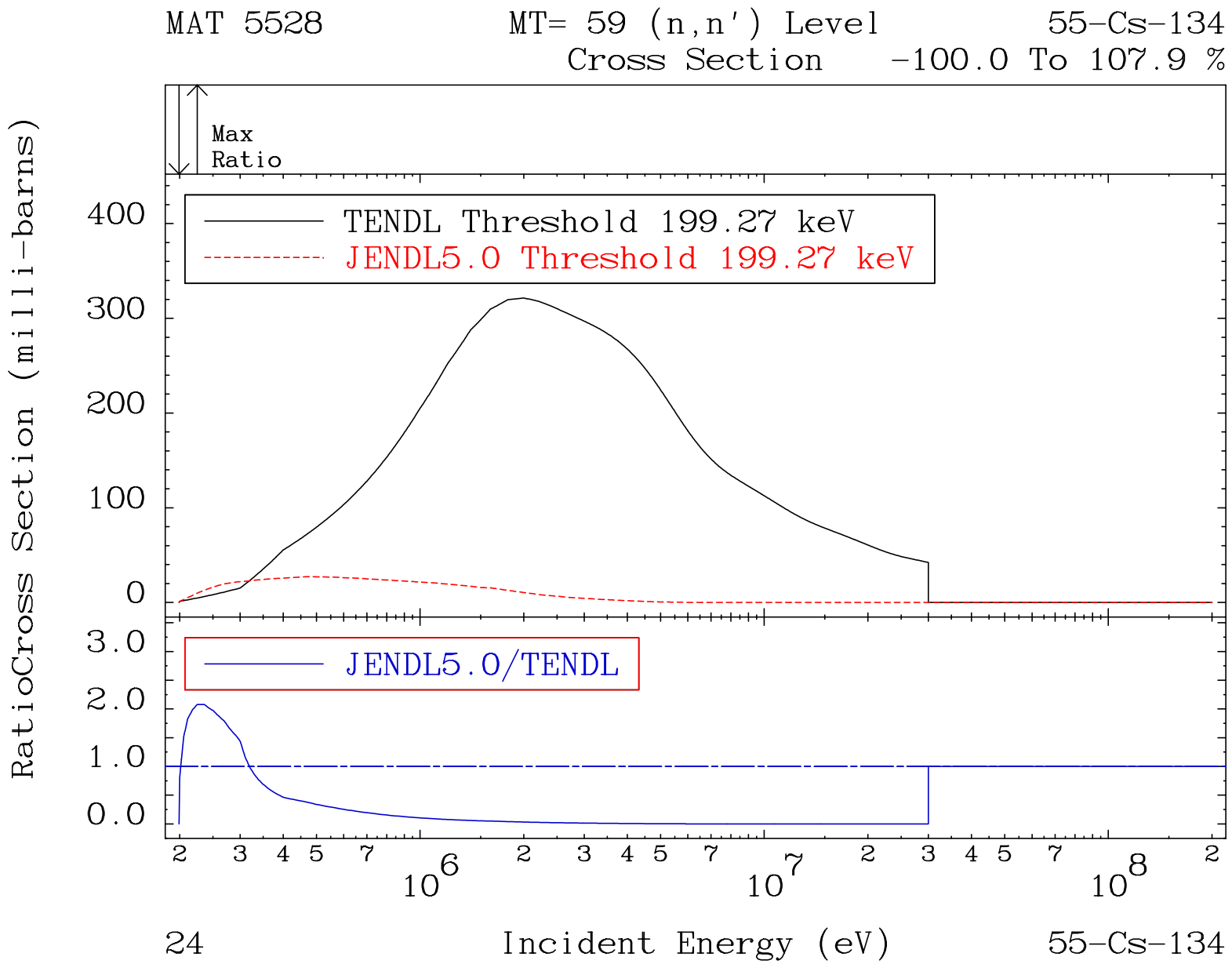

MAT 5528
MT= 54 (n,n') Level
55-Cs-134
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 175.10 keV
JENDL5.0 Threshold 175.10 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
400
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
19
Incident Energy (eV)
55-Cs-134

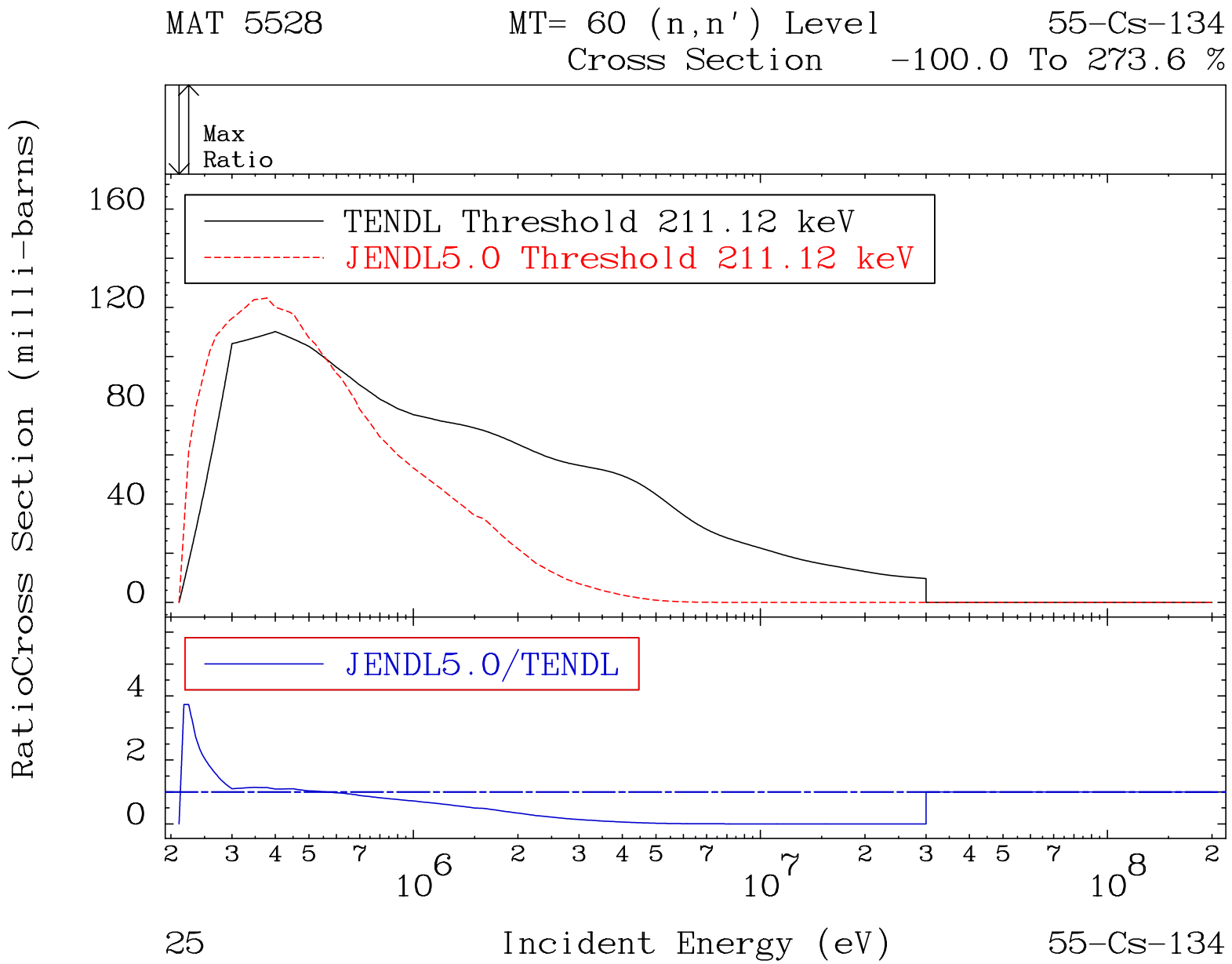

MAT 5528
MT= 55 (n,n') Level
55-Cs-134
Cross Section
-100.0 To 2553. %
Max
Ratio
TENDL Threshold 177.73 keV
JENDL5.0 Threshold 177.73 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
40
20
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
20
Incident Energy (eV)
55-Cs-134

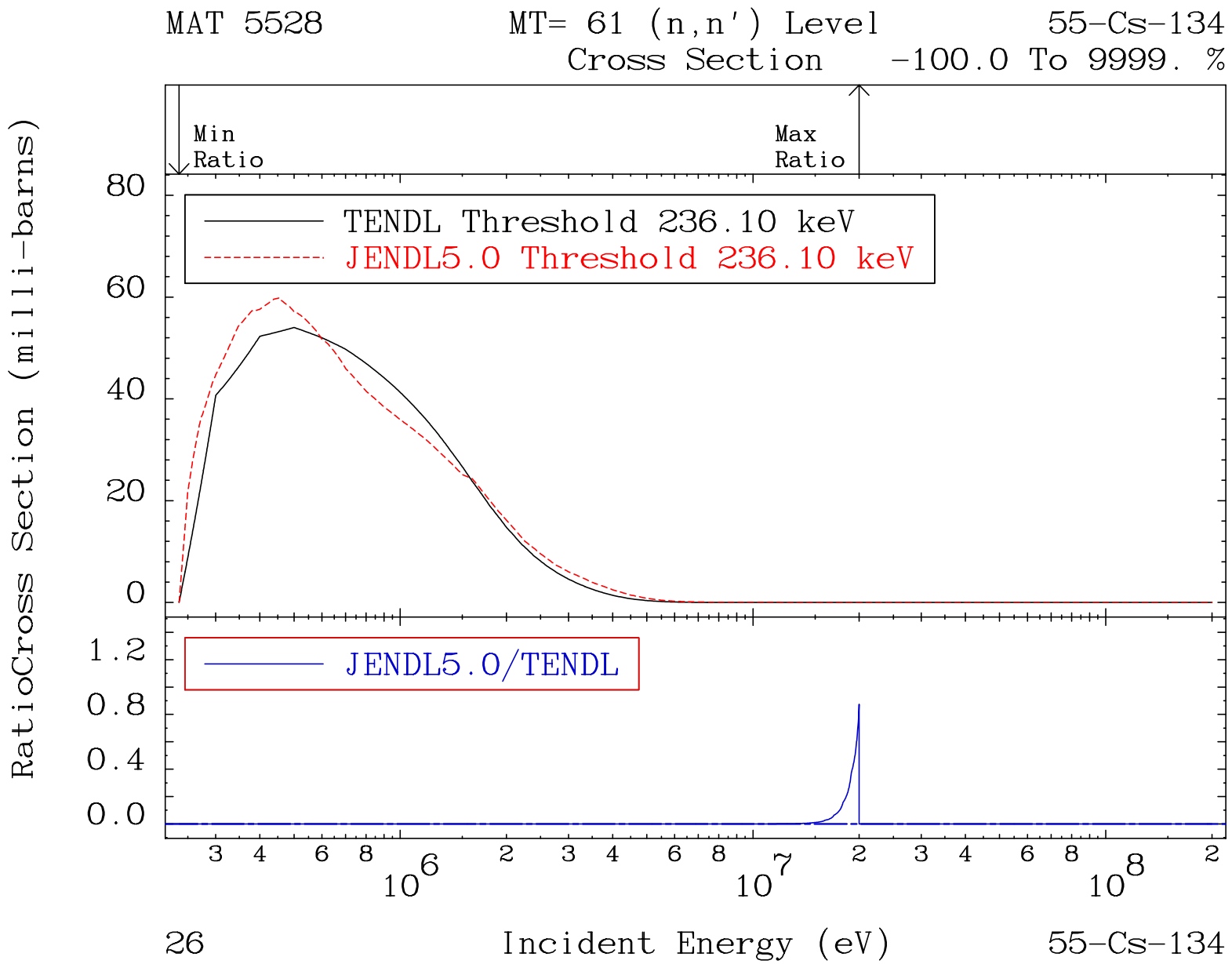

MAT 5528
MT= 56 (n,n') Level
55-Cs-134
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 184.83 keV
JENDL5.0 Threshold 177.97 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
21
55-Cs-134

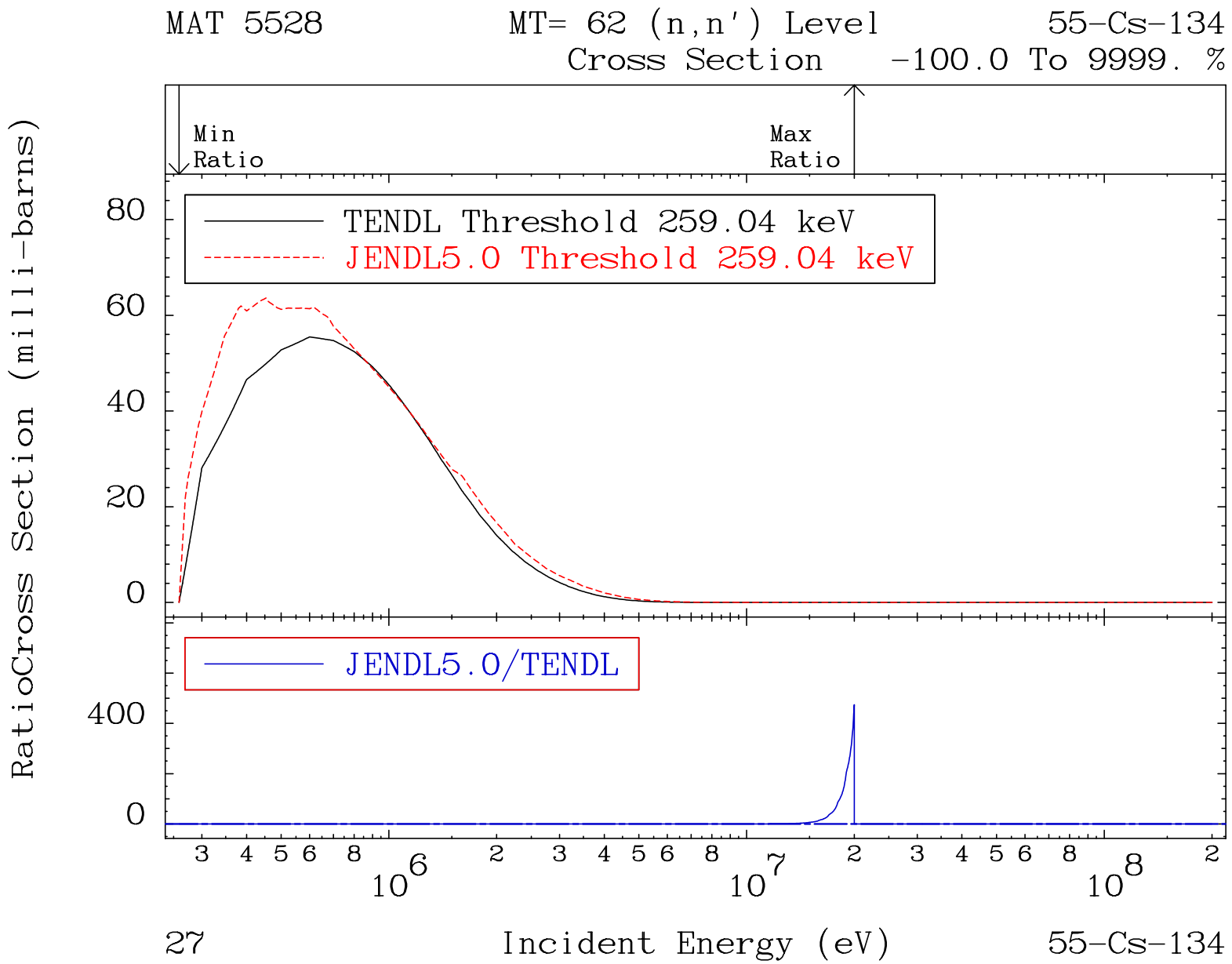

MAT 5528
MT= 57 (n,n') Level
55-Cs-134
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 191.69 keV
JENDL5.0 Threshold 191.69 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
200
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
22
Incident Energy (eV)
55-Cs-134

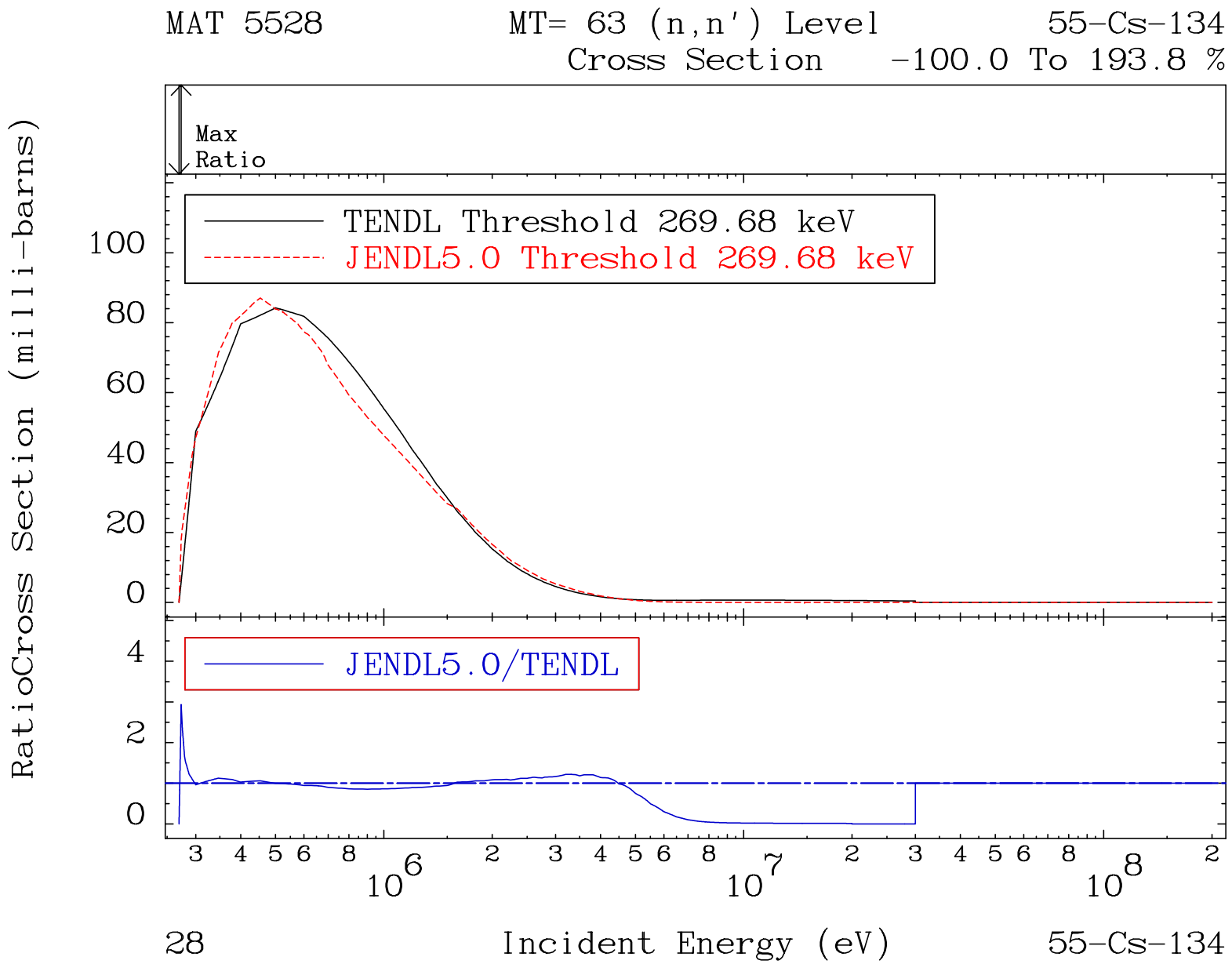

MAT 5528
MT= 58 (n,n') Level
55-Cs-134
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 195.07 keV
JENDL5.0 Threshold 195.07 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
120
60
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
23
Incident Energy (eV)
55-Cs-134

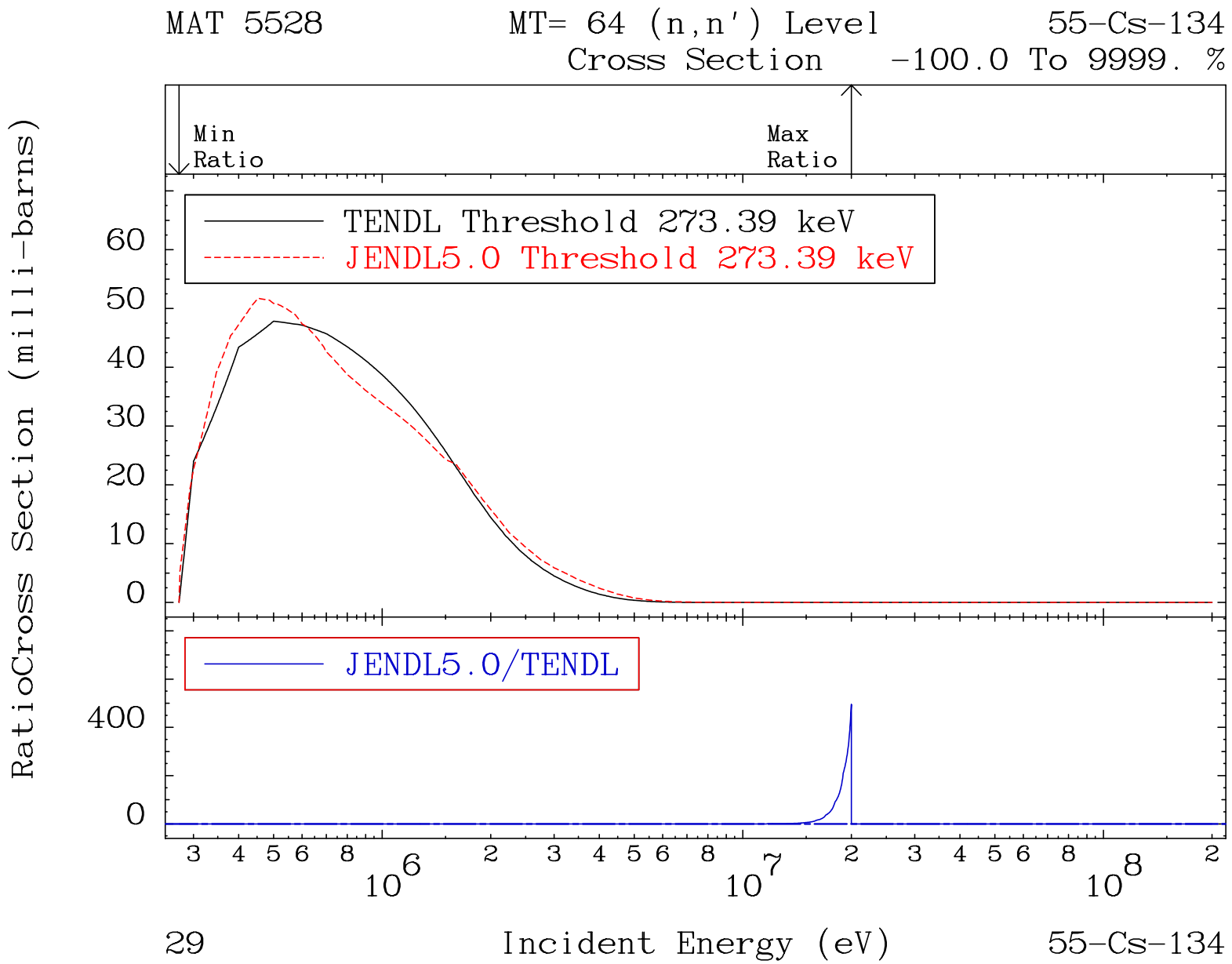

MAT 5528
MT= 59 (n,n') Level
55-Cs-134
Cross Section
-100.0 To 107.9 %
Max
Ratio
TENDL Threshold 199.27 keV
JENDL5.0 Threshold 199.27 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
3.0
2.0
1.0
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
24
Incident Energy (eV)
55-Cs-134

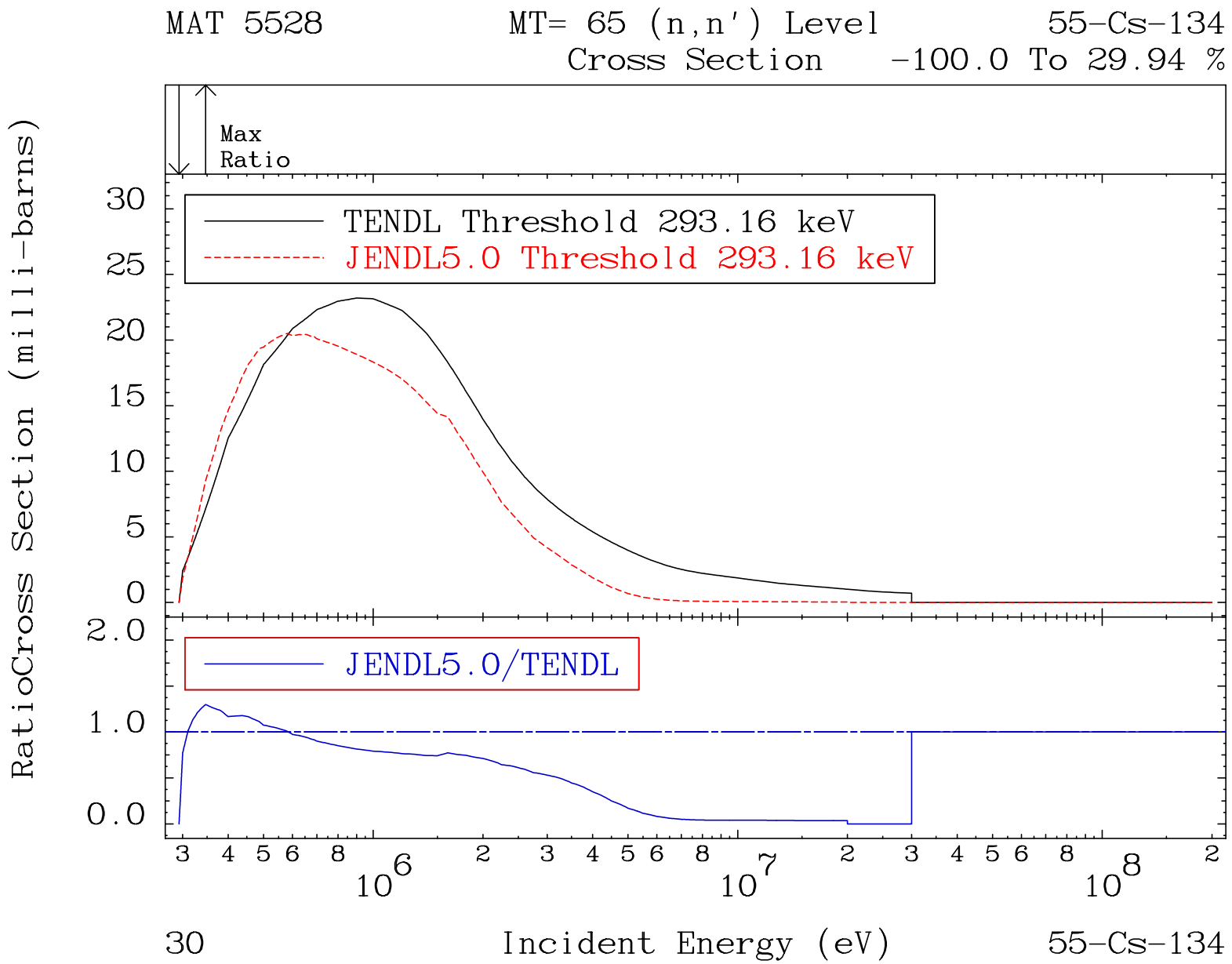

MAT 5528
MT= 60 (n,n') Level
55-Cs-134
Cross Section
-100.0 To 273.6 %
Max
Ratio
TENDL Threshold 211.12 keV
JENDL5.0 Threshold 211.12 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
4
2
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
25
Incident Energy (eV)
55-Cs-134

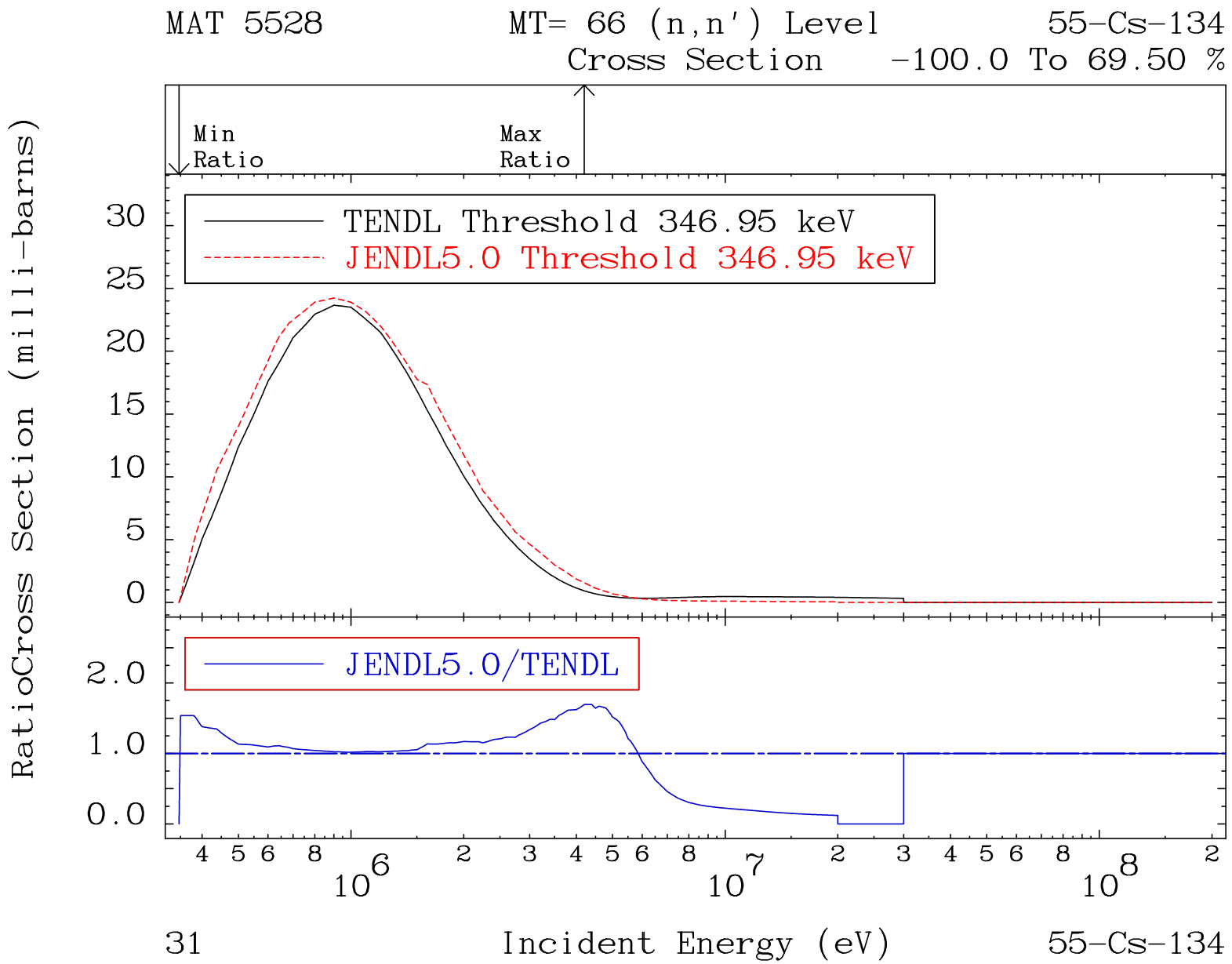

MAT 5528
MT= 61 (n,n') Level
55-Cs-134
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 236.10 keV
JENDL5.0 Threshold 236.10 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.8
0.4
0.0
3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
26
Incident Energy (eV)
55-Cs-134

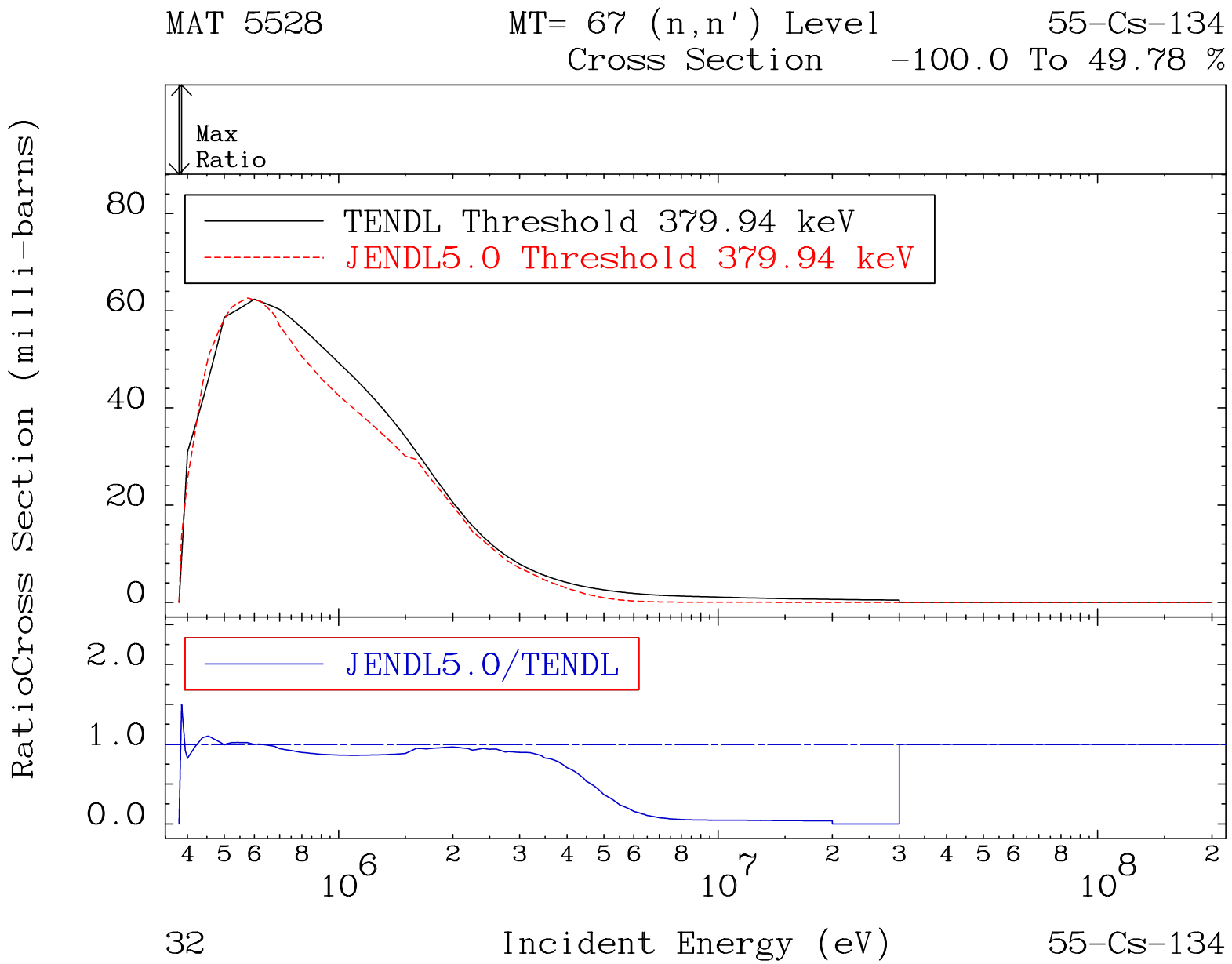

MAT 5528
MT= 62 (n,n') Level
55-Cs-134
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 259.04 keV
JENDL5.0 Threshold 259.04 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
400
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
27
Incident Energy (eV)
55-Cs-134

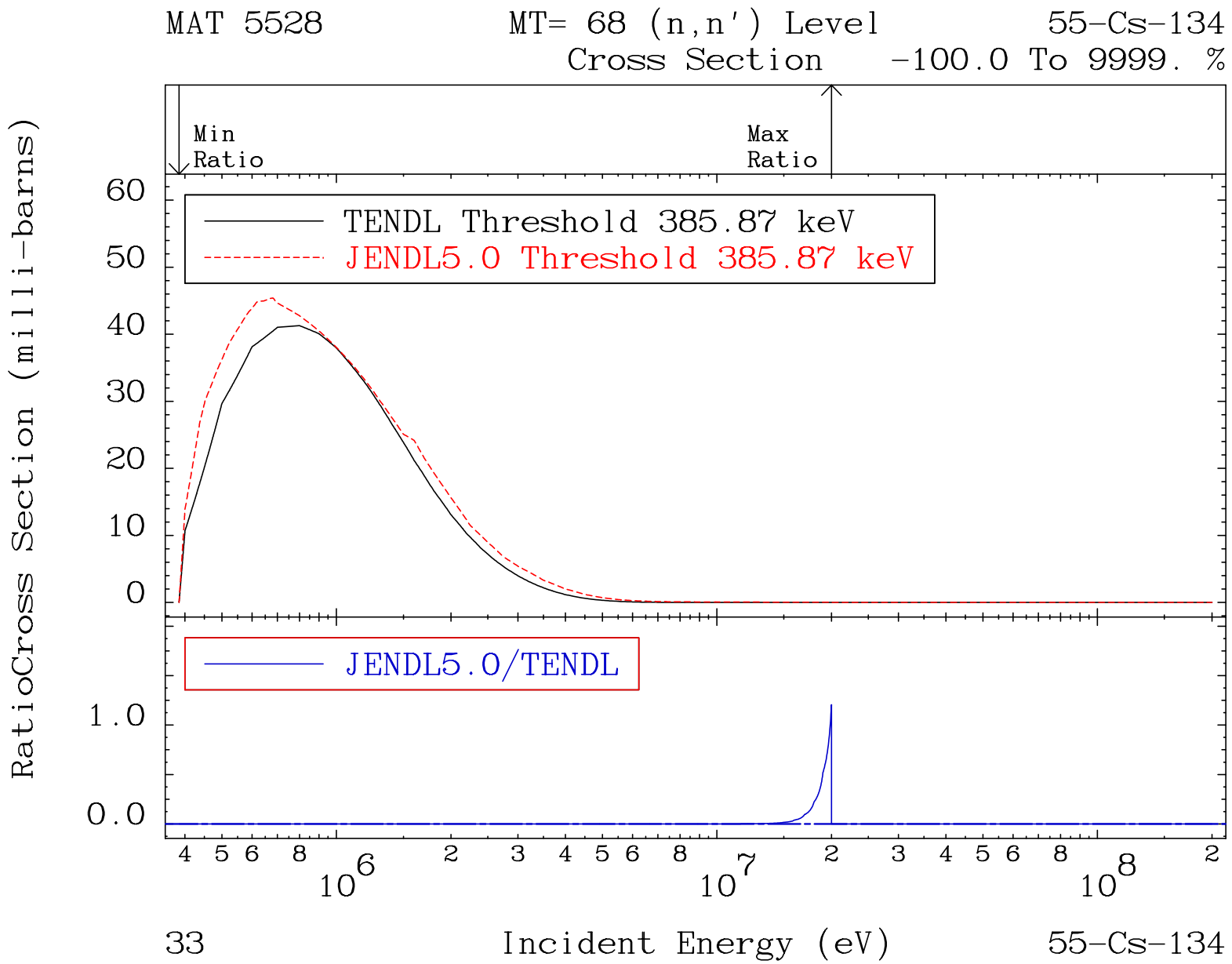

MAT 5528
MT= 63 (n,n') Level
55-Cs-134
Cross Section
-100.0 To 193.8 %
Max
Ratio
TENDL Threshold 269.68 keV
JENDL5.0 Threshold 269.68 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
4
2
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
28
Incident Energy (eV)
55-Cs-134

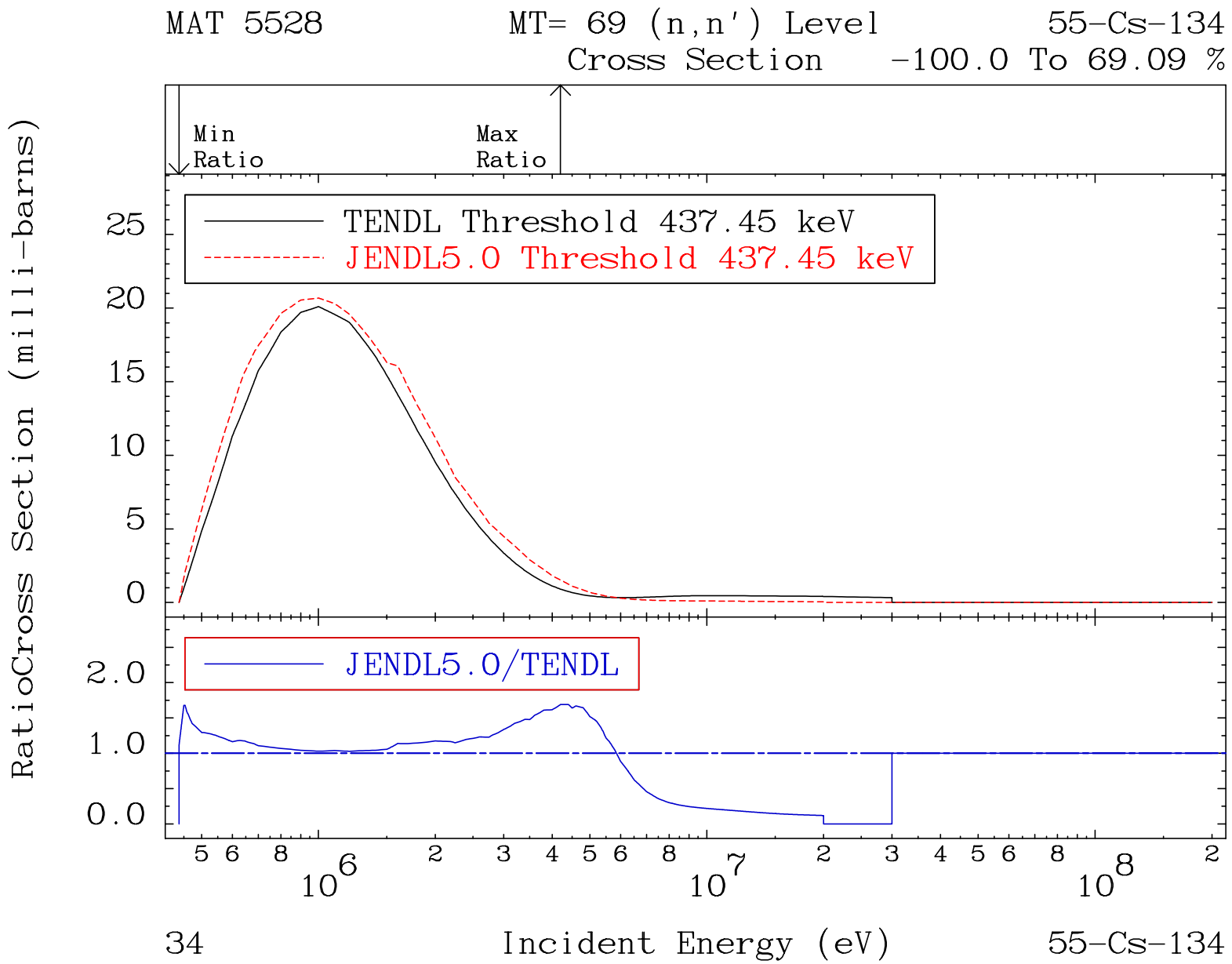

MAT 5528
MT= 64 (n,n') Level
55-Cs-134
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 273.39 keV
JENDL5.0 Threshold 273.39 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
400
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
29
Incident Energy (eV)
55-Cs-134

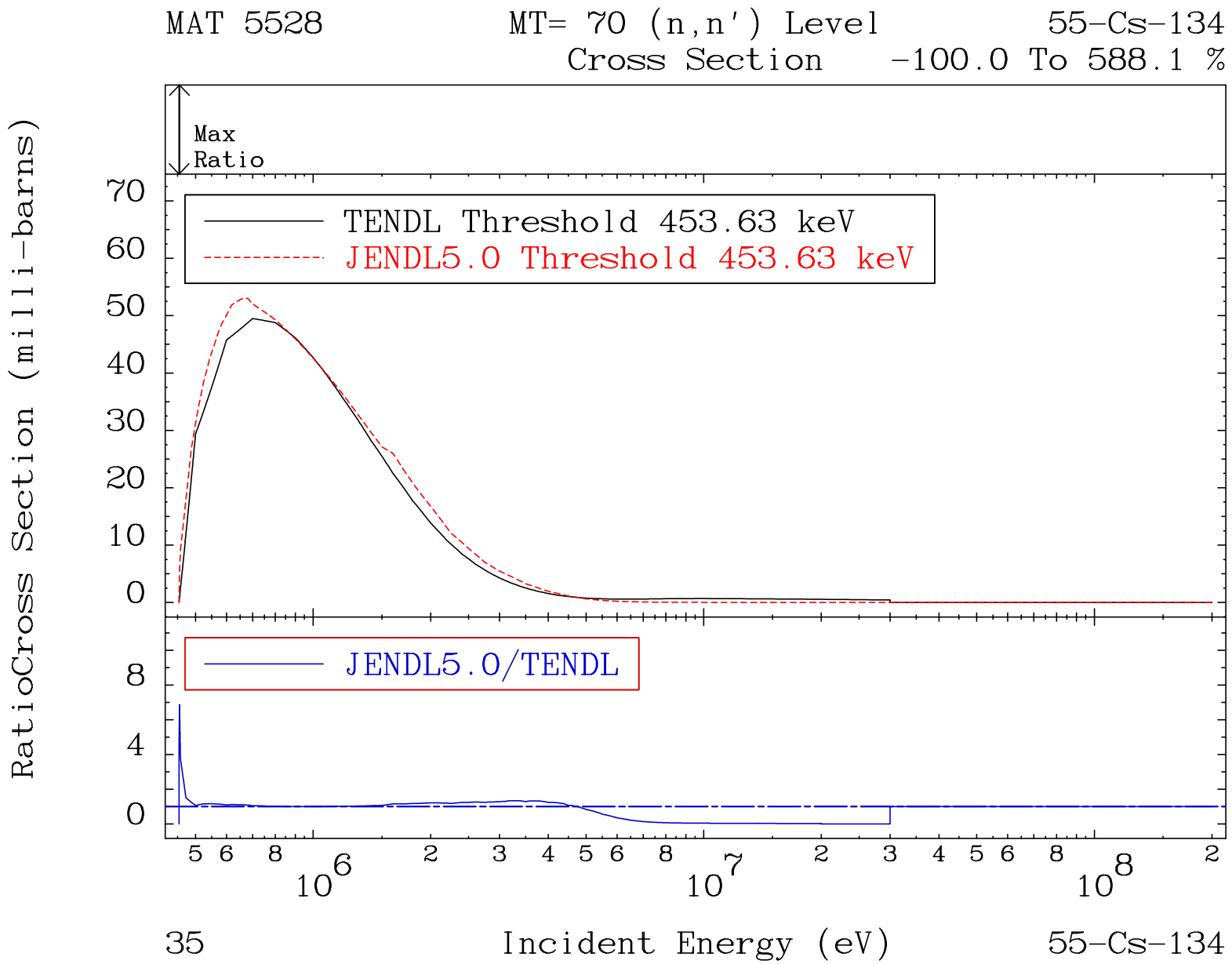

MAT 5528
MT= 65 (n,n') Level
55-Cs-134
Cross Section
-100.0 To 29.94 %
Max
Ratio
TENDL Threshold 293.16 keV
JENDL5.0 Threshold 293.16 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
30
55-Cs-134

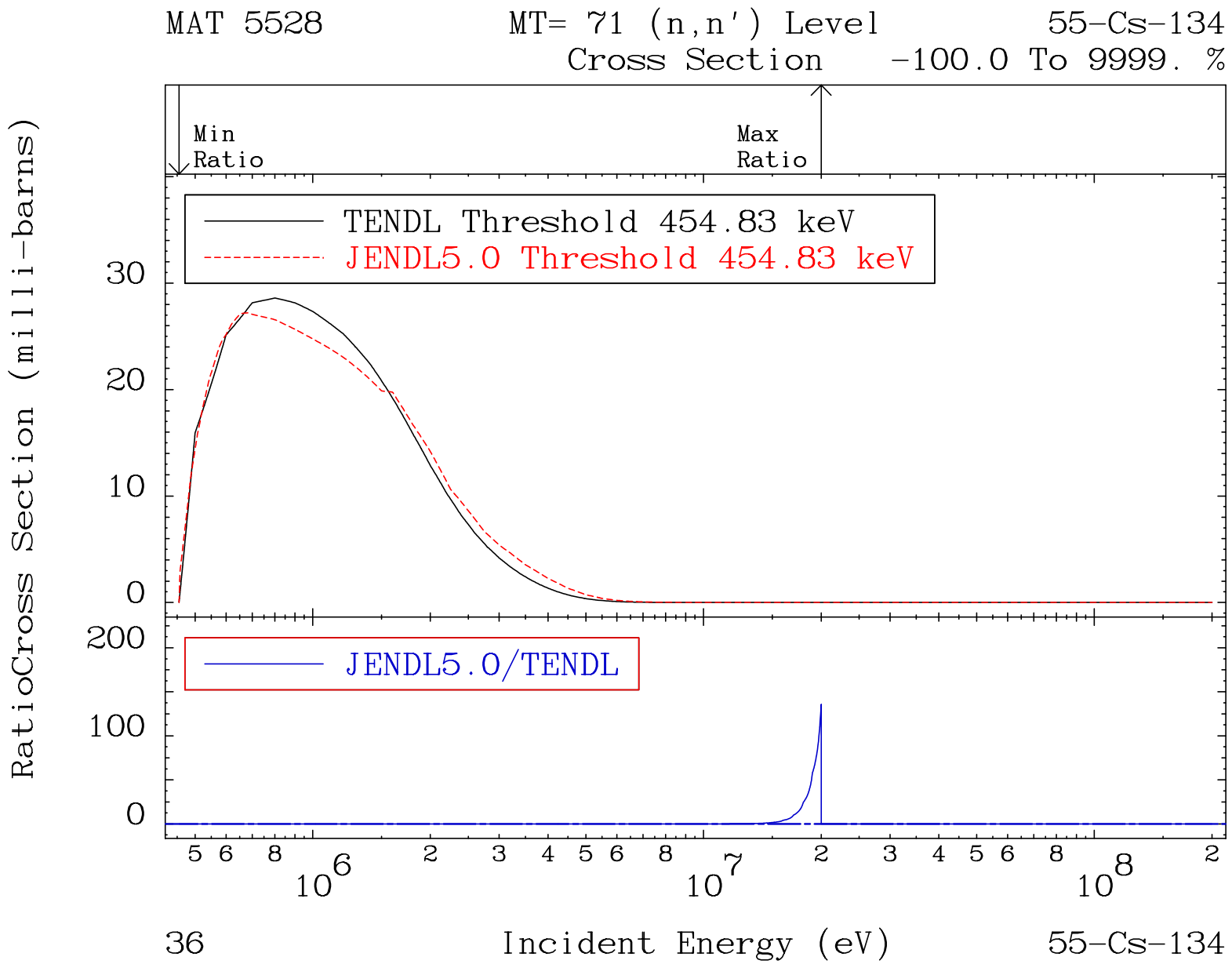

MAT 5528
MT= 66 (n,n') Level
55-Cs-134
Cross Section -100.0 To 69.50 %
Min Ratio
Max Ratio
TENDL Threshold 346.95 keV
JENDL5.0 Threshold 346.95 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
31
55-Cs-134

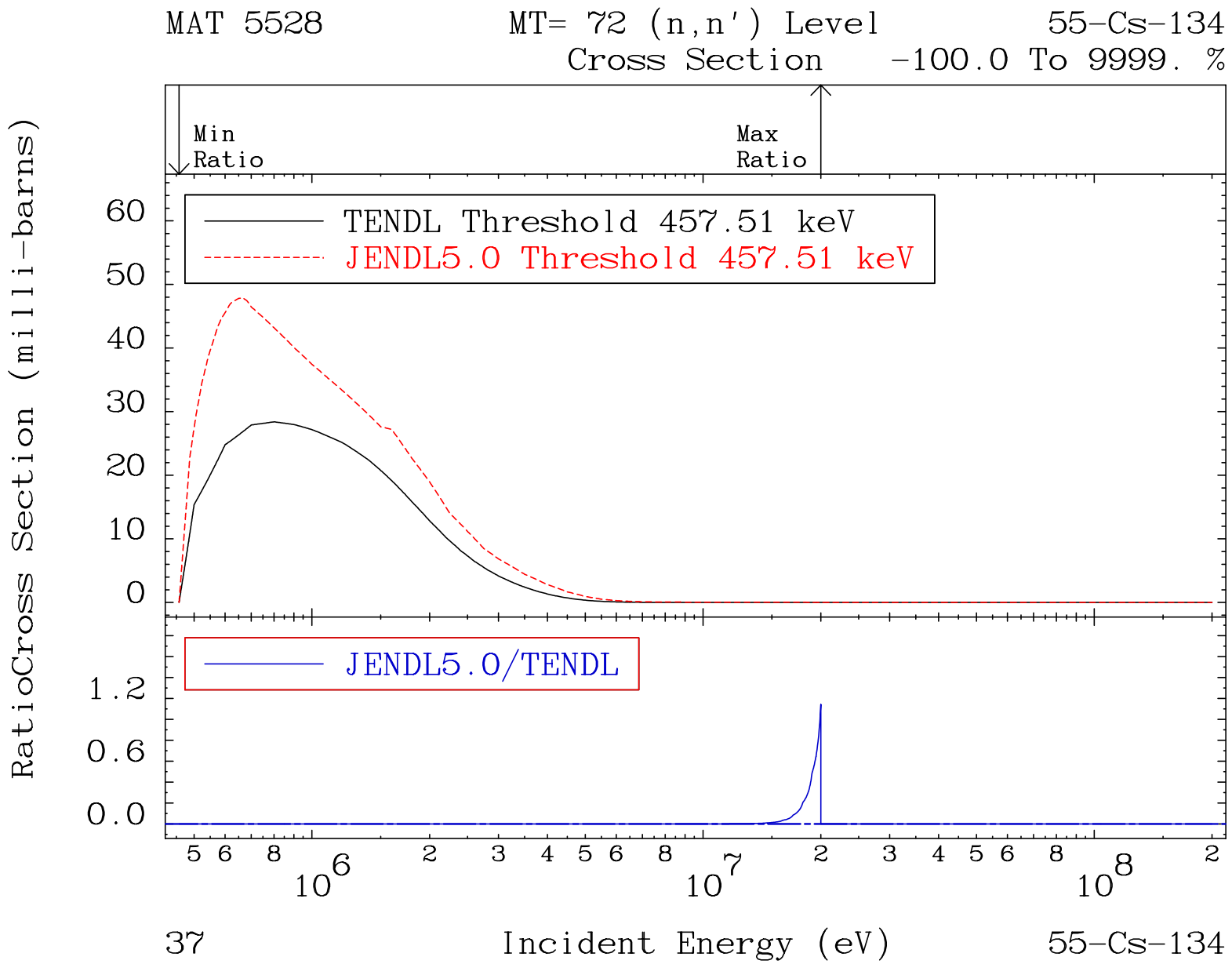

MAT 5528
MT= 67 (n,n') Level
55-Cs-134
Cross Section -100.0 To 49.78 %
Max
Ratio
TENDL Threshold 379.94 keV
JENDL5.0 Threshold 379.94 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
32
Incident Energy (eV)
55-Cs-134

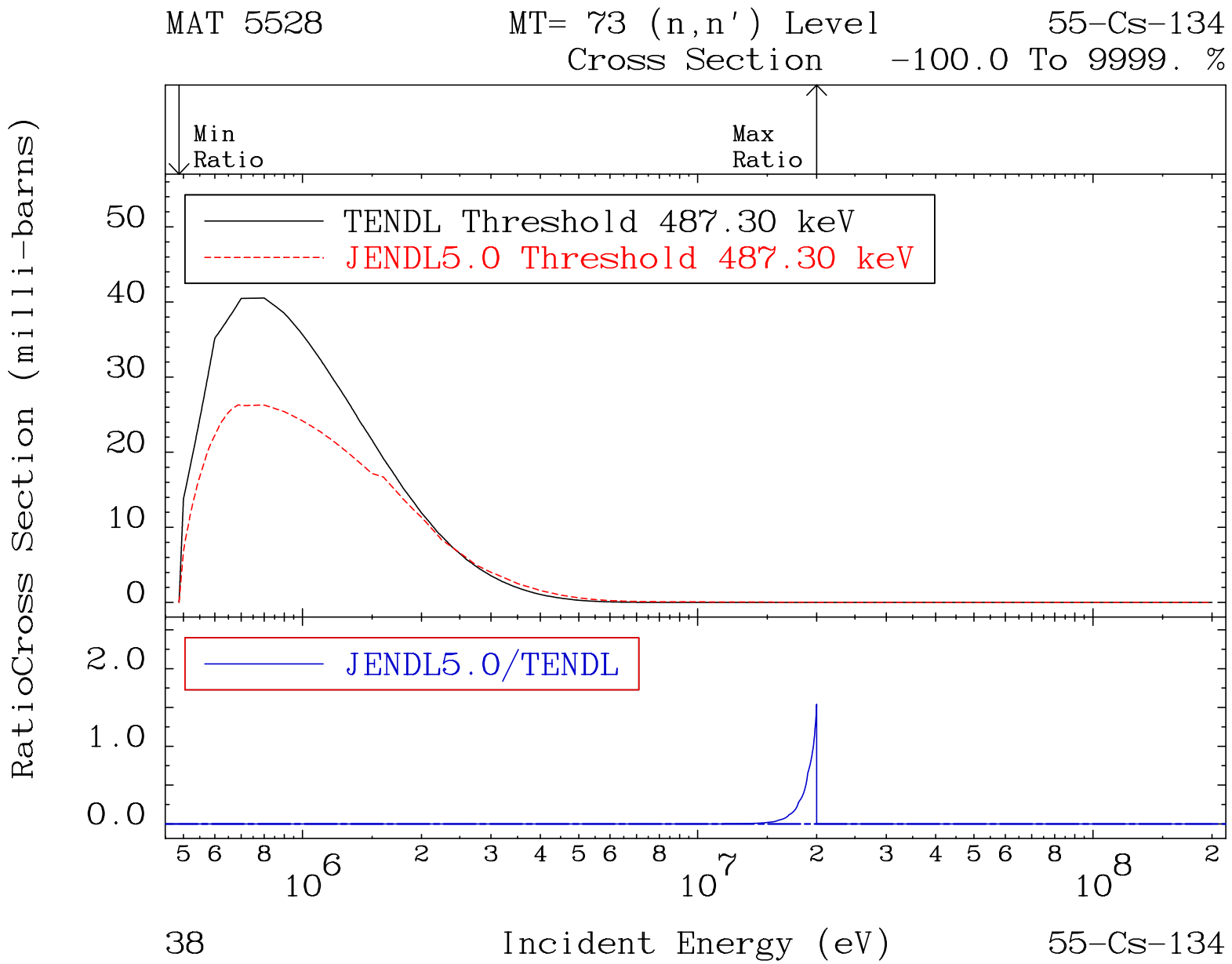

MAT 5528
MT= 68 (n,n') Level
55-Cs-134
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 385.87 keV
JENDL5.0 Threshold 385.87 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.0
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
33
Incident Energy (eV)
55-Cs-134

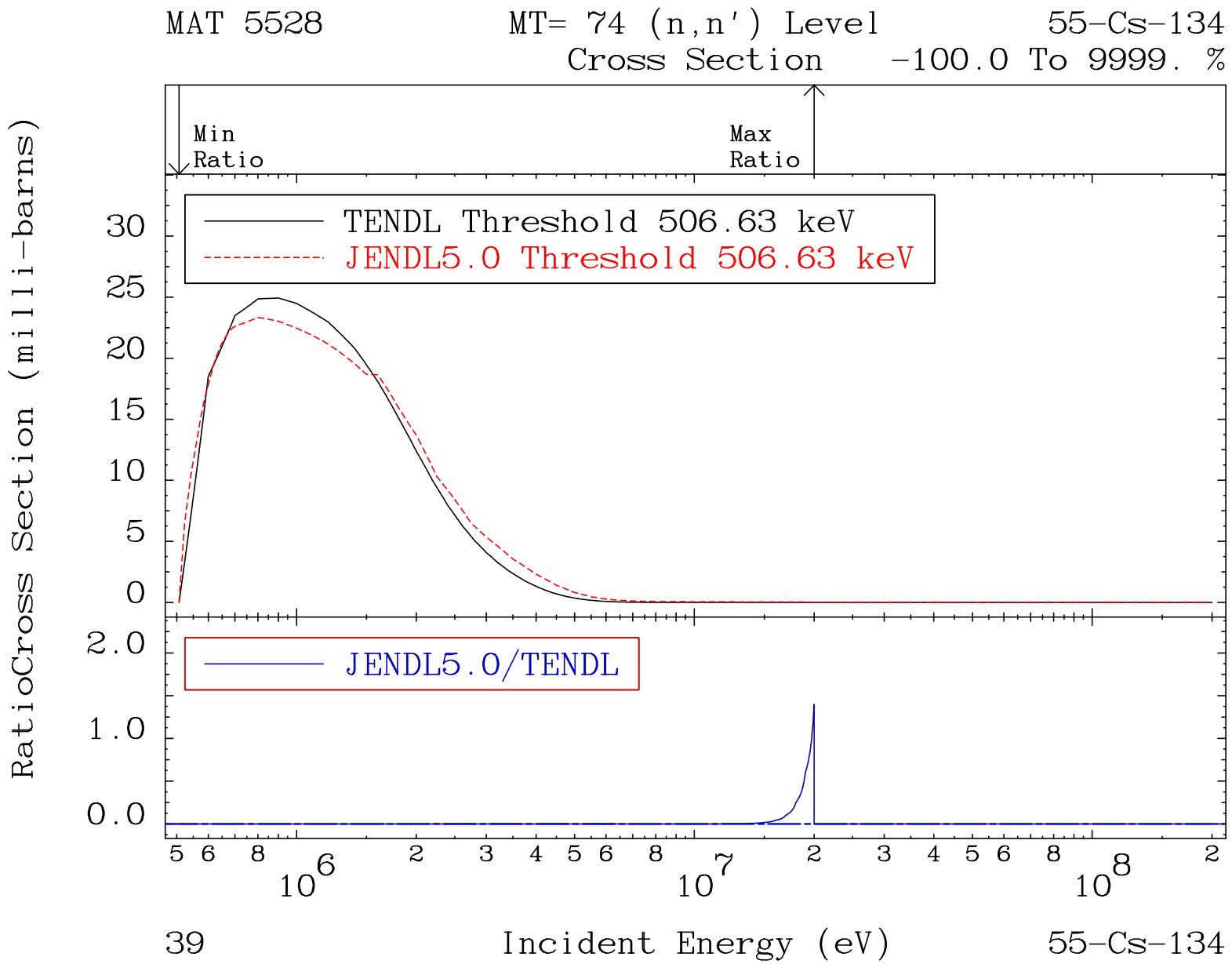

MAT 5528
MT= 69 (n,n') Level
Cross Section
55-Cs-134
-100.0 To 69.09 %
Min Ratio
Max Ratio
TENDL Threshold 437.45 keV
JENDL5.0 Threshold 437.45 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
34
55-Cs-134

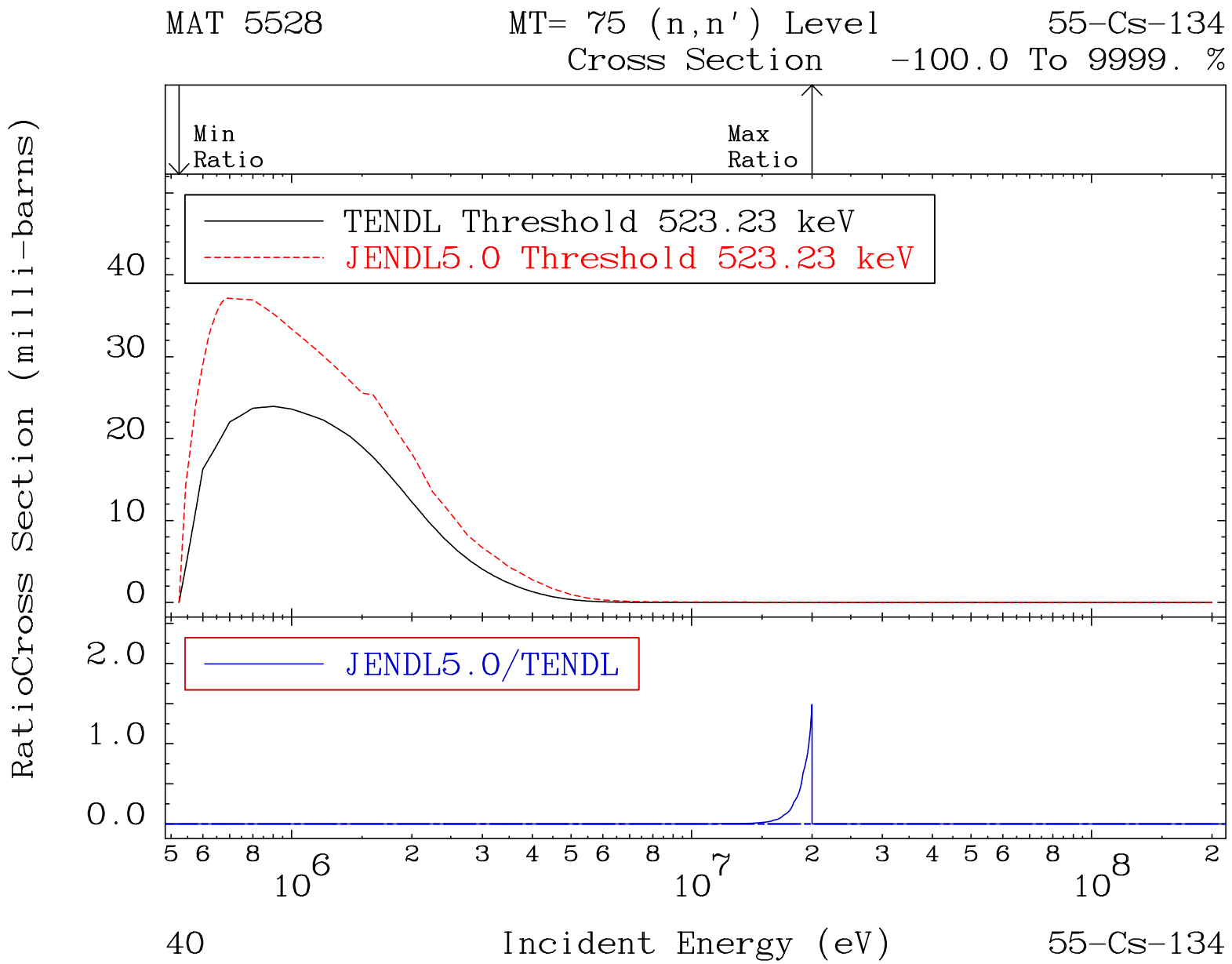

MAT 5528
MT= 70 (n,n') Level
55-Cs-134
Cross Section
-100.0 To 588.1 %
Max
Ratio
TENDL Threshold 453.63 keV
JENDL5.0 Threshold 453.63 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
35
55-Cs-134

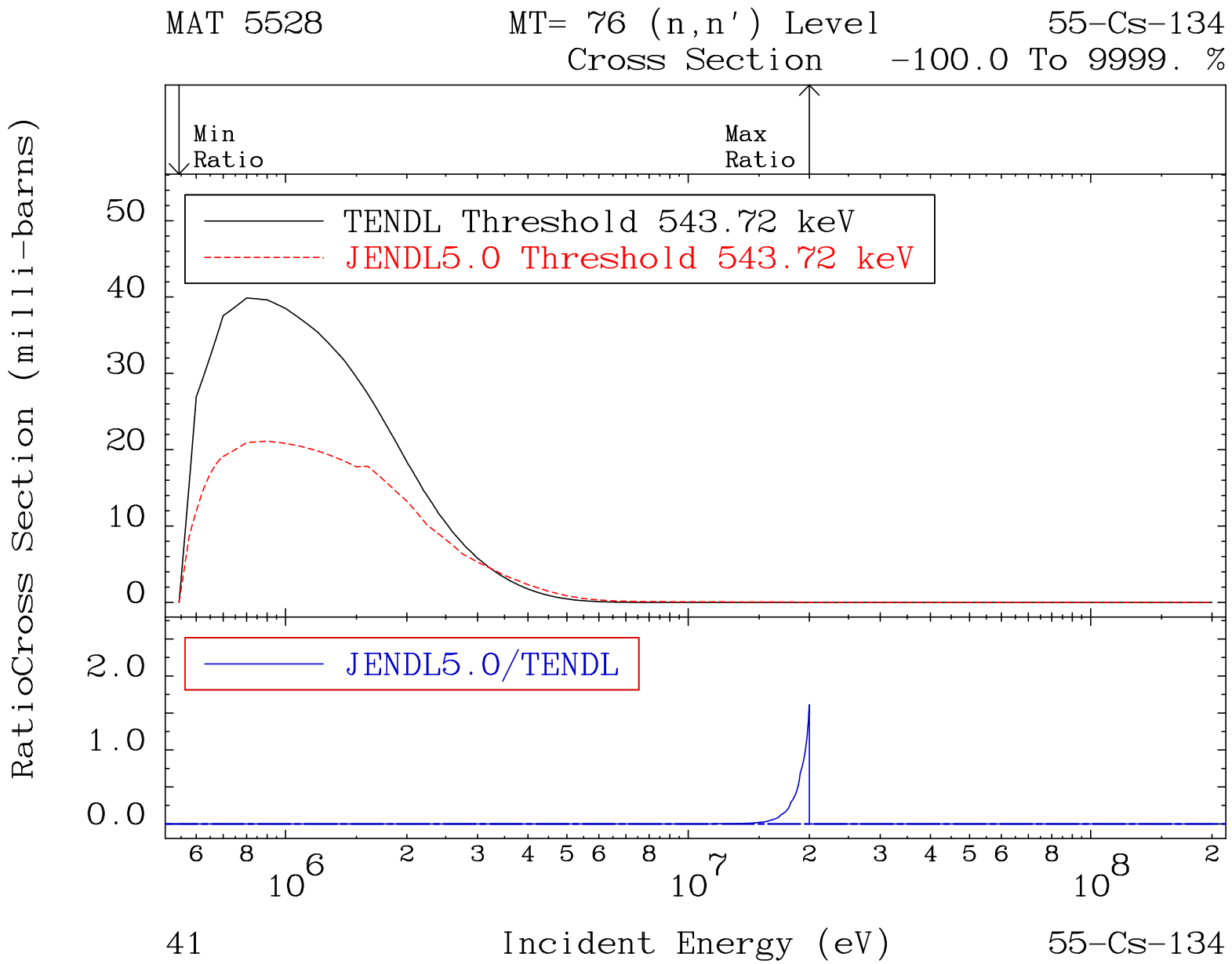

MAT 5528
MT= 71 (n,n') Level
55-Cs-134
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 454.83 keV
JENDL5.0 Threshold 454.83 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
200
100
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
36
Incident Energy (eV)
55-Cs-134

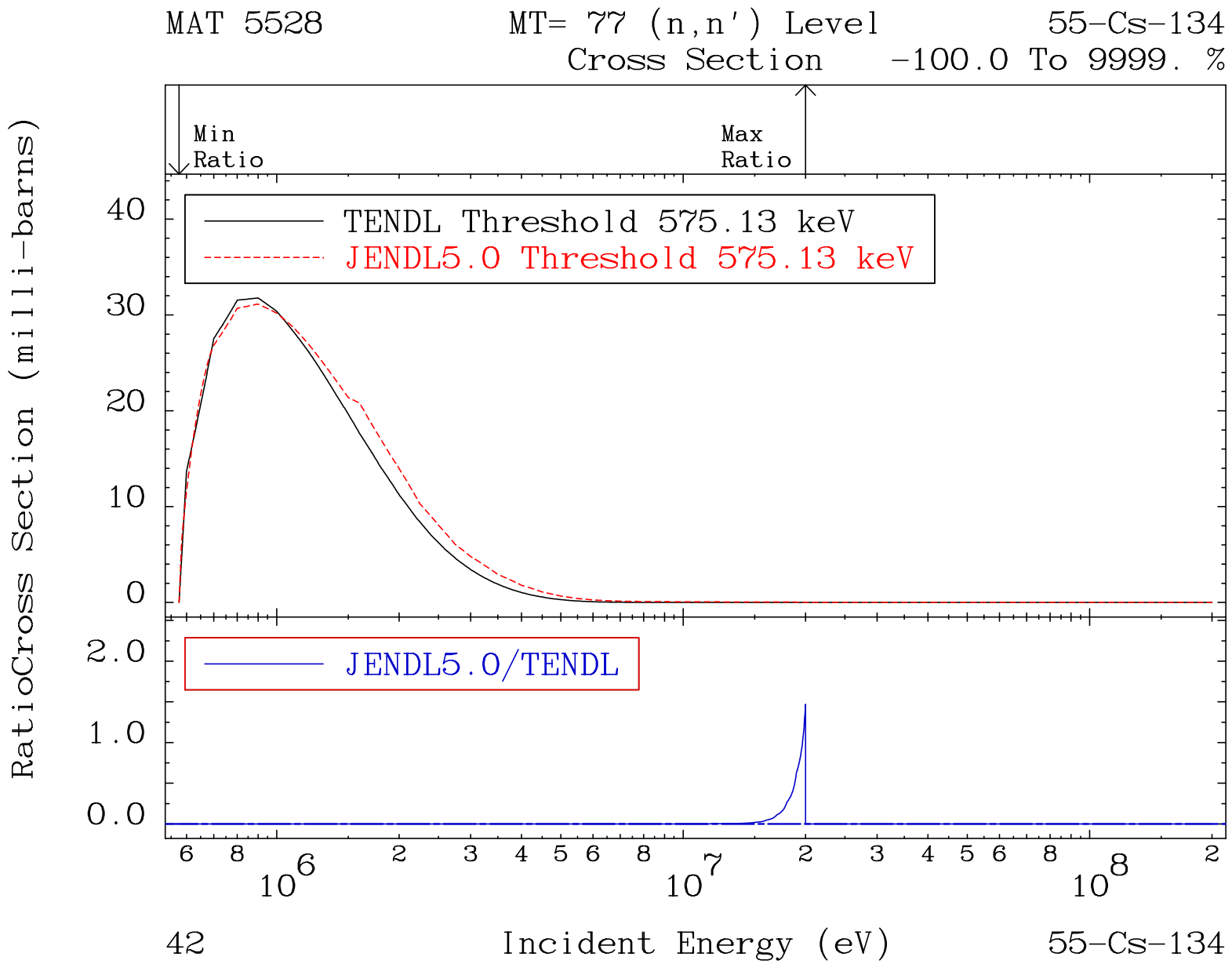

MAT 5528
MT= 72 (n,n') Level
55-Cs-134
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 457.51 keV
JENDL5.0 Threshold 457.51 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
37
Incident Energy (eV)
55-Cs-134

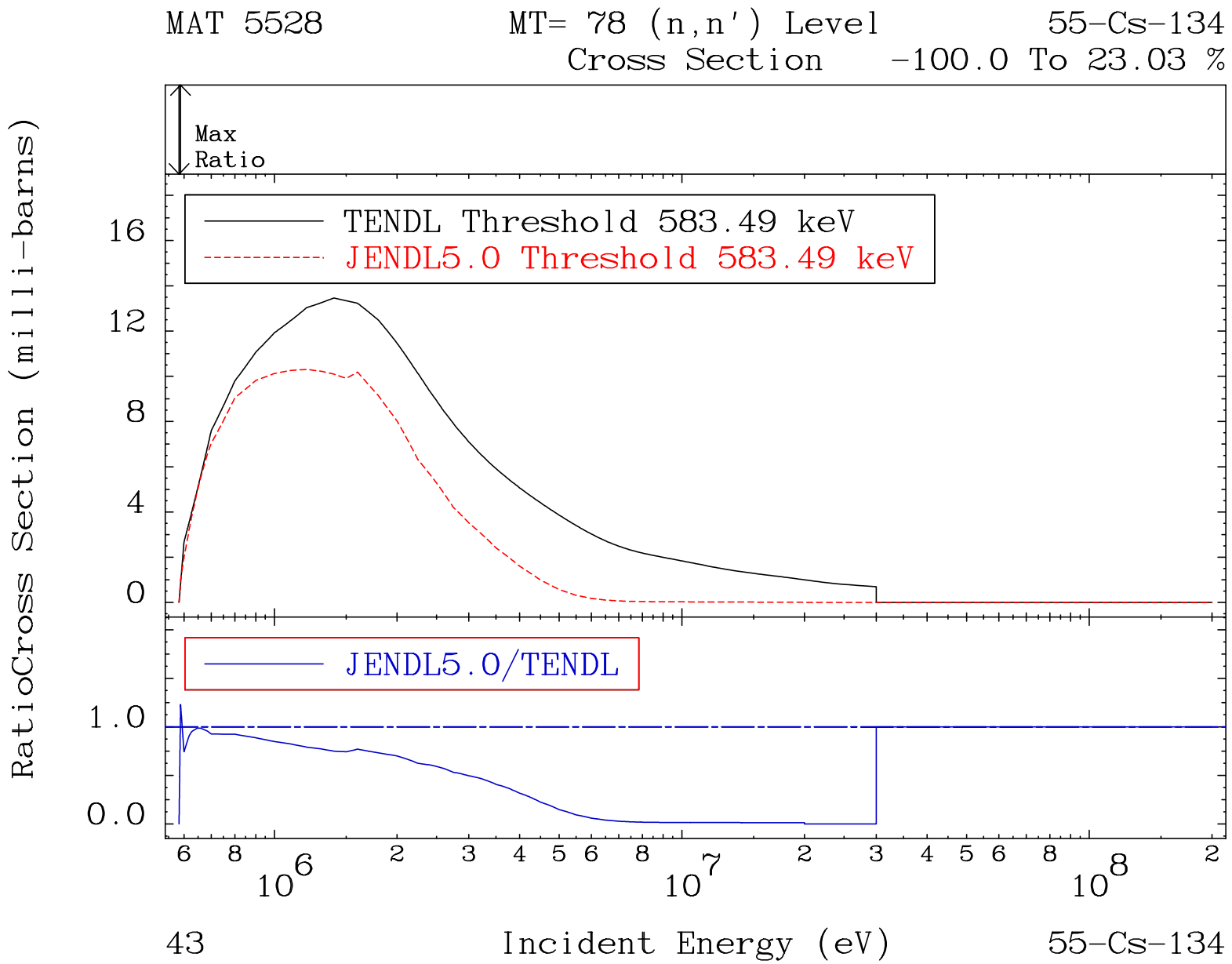

MAT 5528
MT= 73 (n,n') Level
55-Cs-134
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 487.30 keV
JENDL5.0 Threshold 487.30 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2.0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
38
Incident Energy (eV)
55-Cs-134

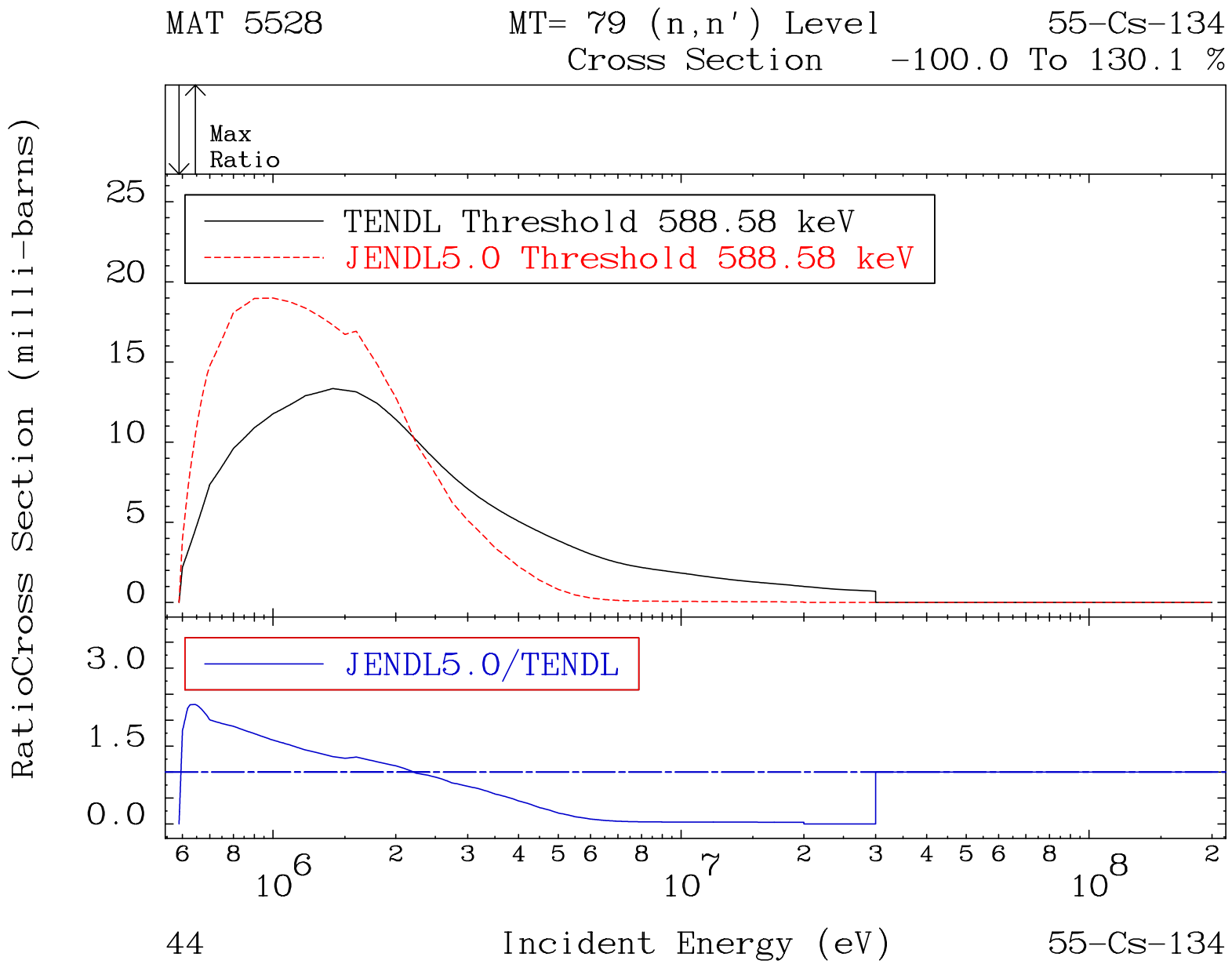

MAT 5528
MT= 74 (n,n') Level
55-Cs-134
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 506.63 keV
JENDL5.0 Threshold 506.63 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
2.0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
39
Incident Energy (eV)
55-Cs-134

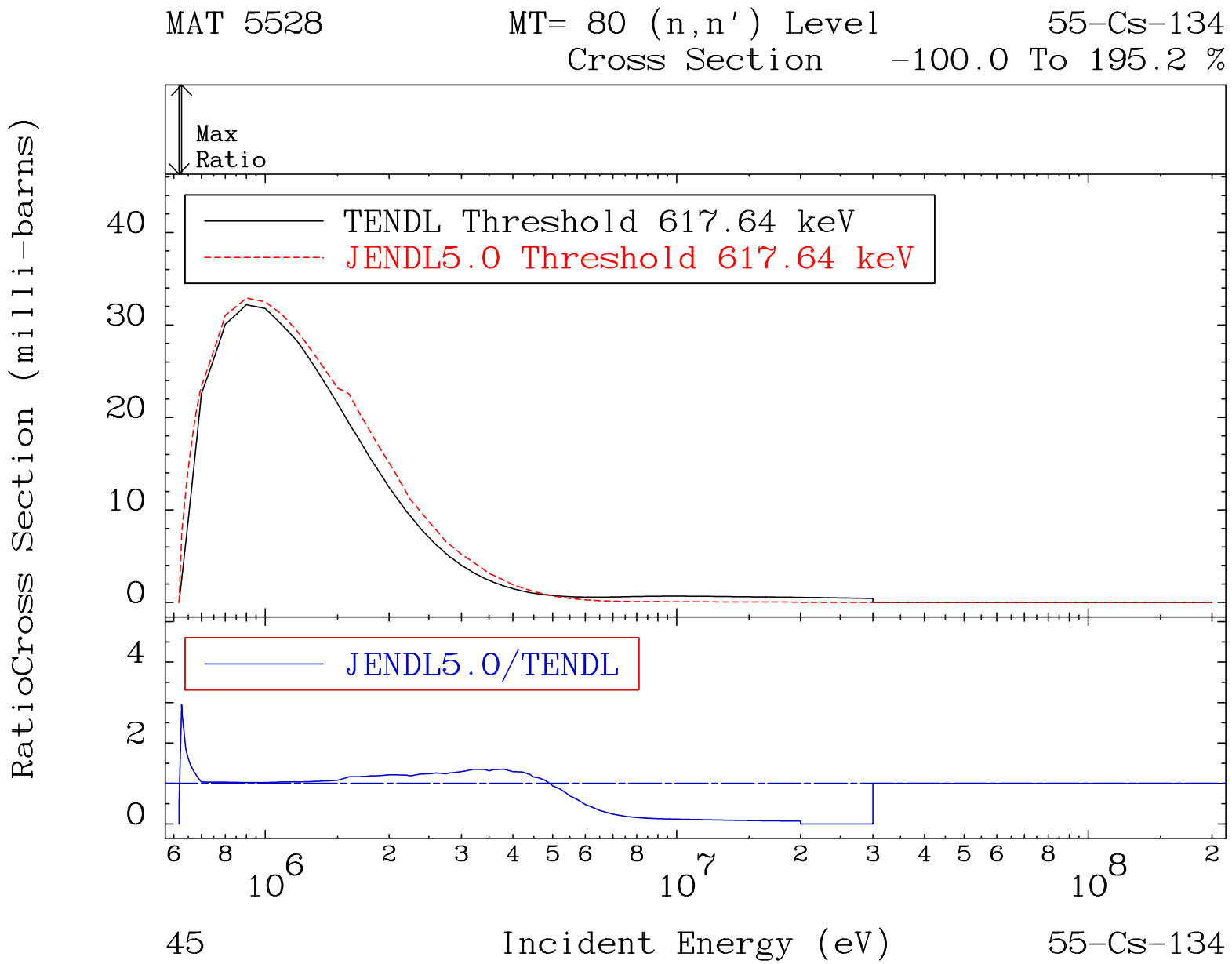

MAT 5528
MT= 75 (n,n') Level
55-Cs-134
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 523.23 keV
JENDL5.0 Threshold 523.23 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
40
Incident Energy (eV)
55-Cs-134

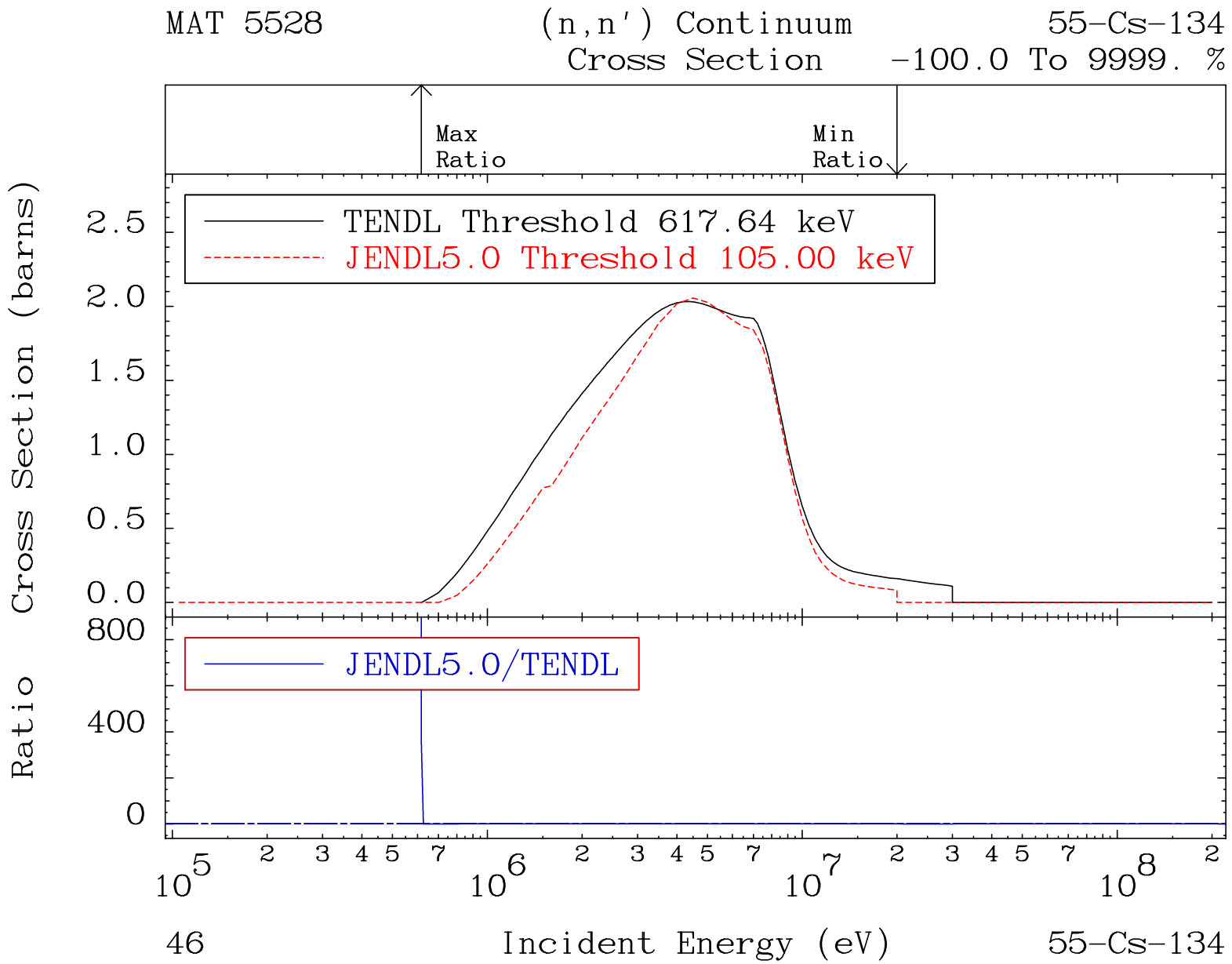

MAT 5528
MT= 76 (n,n') Level
55-Cs-134
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 543.72 keV
JENDL5.0 Threshold 543.72 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2.0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
41
Incident Energy (eV)
55-Cs-134

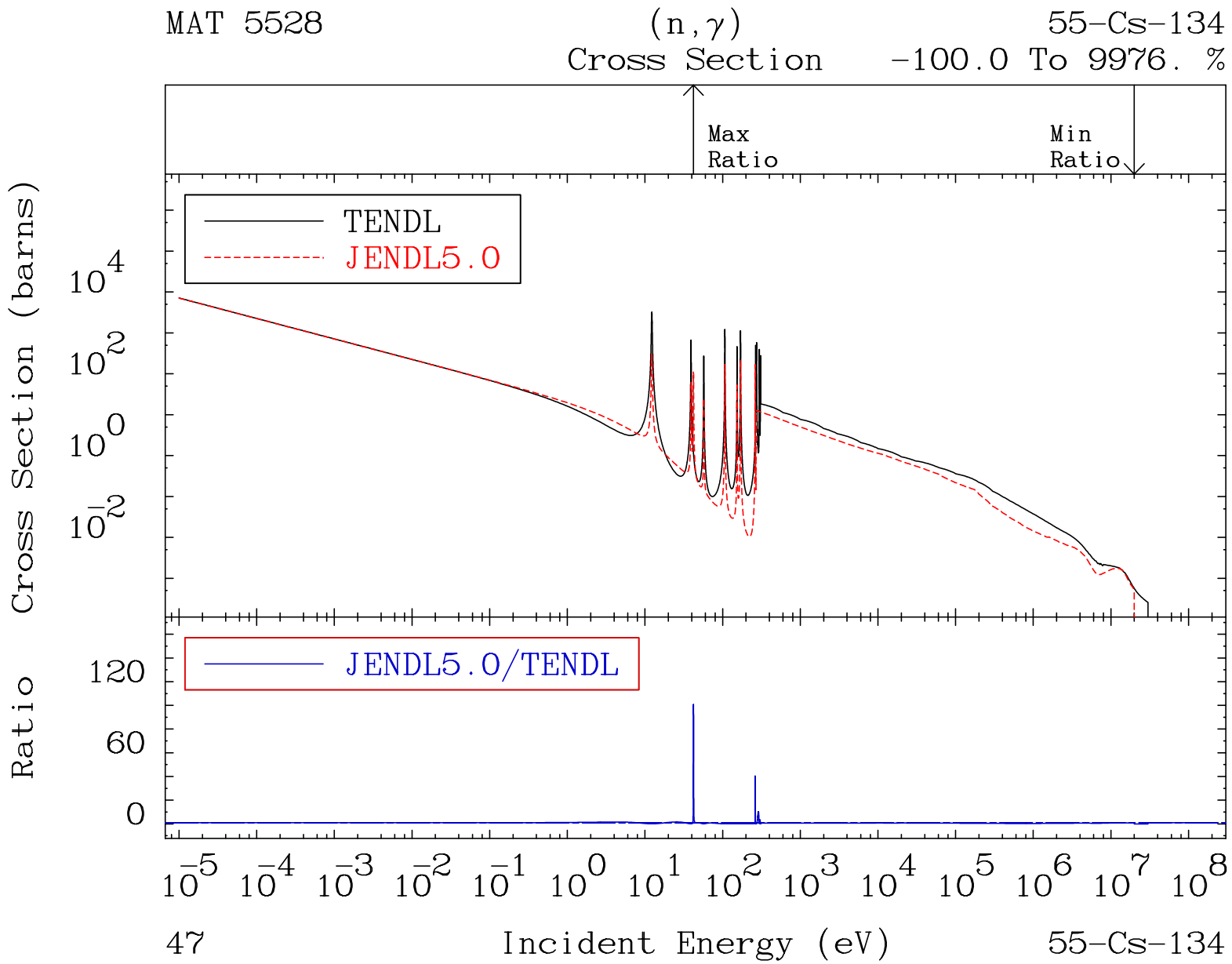

MAT 5528
MT= 77 (n,n') Level
55-Cs-134
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 575.13 keV
JENDL5.0 Threshold 575.13 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
42
Incident Energy (eV)
55-Cs-134

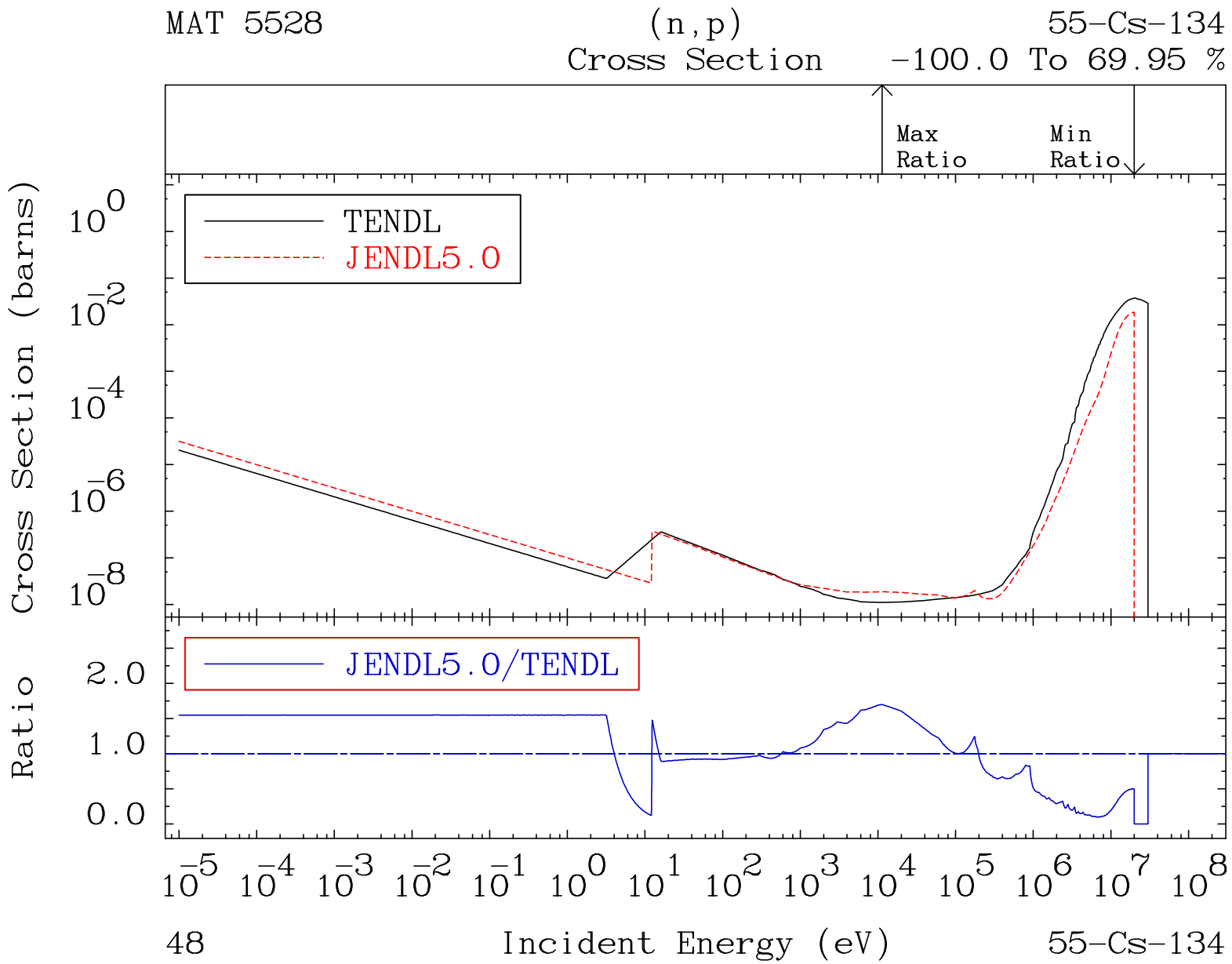

MAT 5528
MT= 78 (n,n') Level
55-Cs-134
Cross Section
-100.0 To 23.03 %
Max
Ratio
TENDL Threshold 583.49 keV
JENDL5.0 Threshold 583.49 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
43
Incident Energy (eV)
55-Cs-134

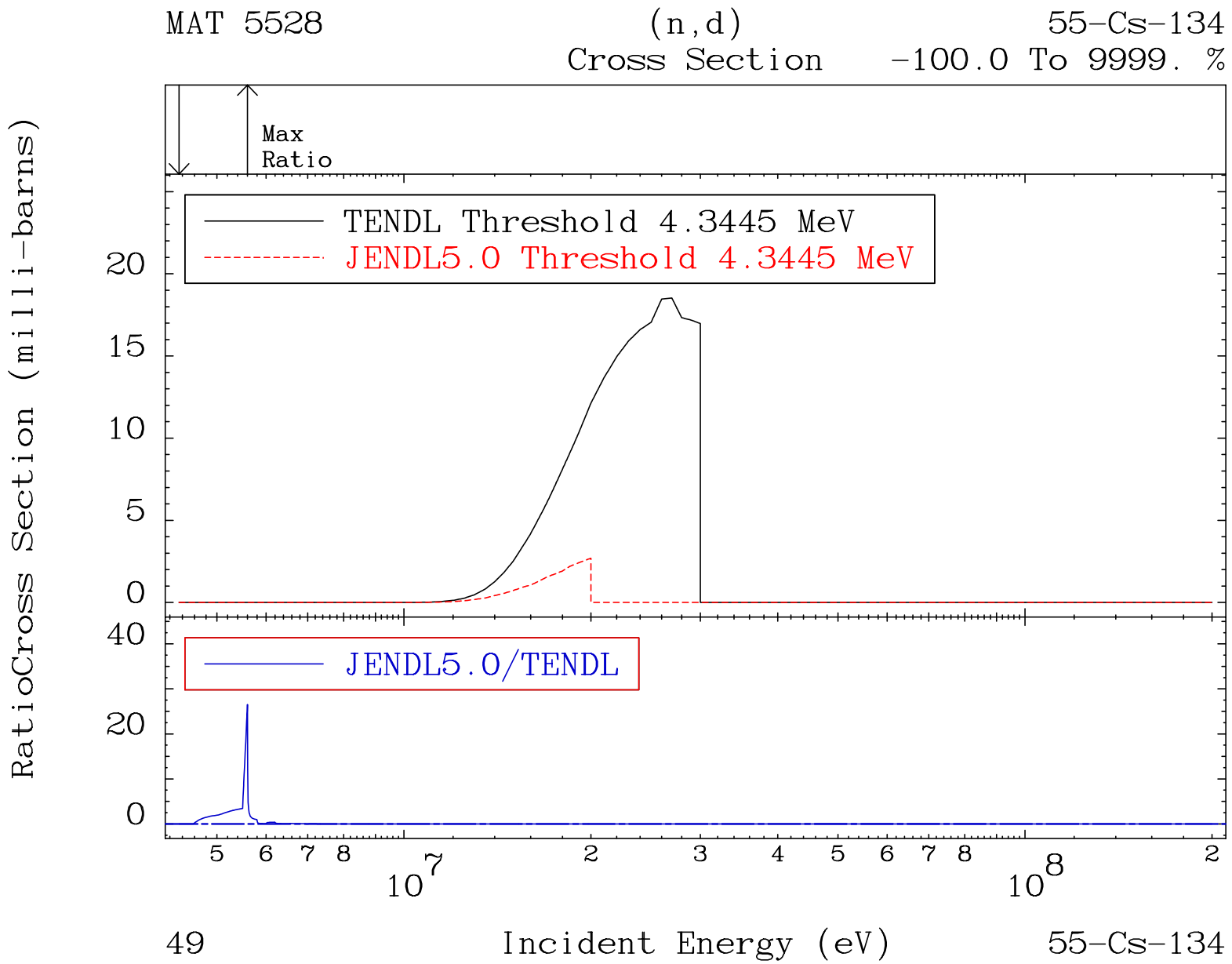

MAT 5528
MT= 79 (n,n') Level
55-Cs-134
Cross Section
-100.0 To 130.1 %
Max
Ratio
TENDL Threshold 588.58 keV
JENDL5.0 Threshold 588.58 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
3.0
1.5
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
44
Incident Energy (eV)
55-Cs-134

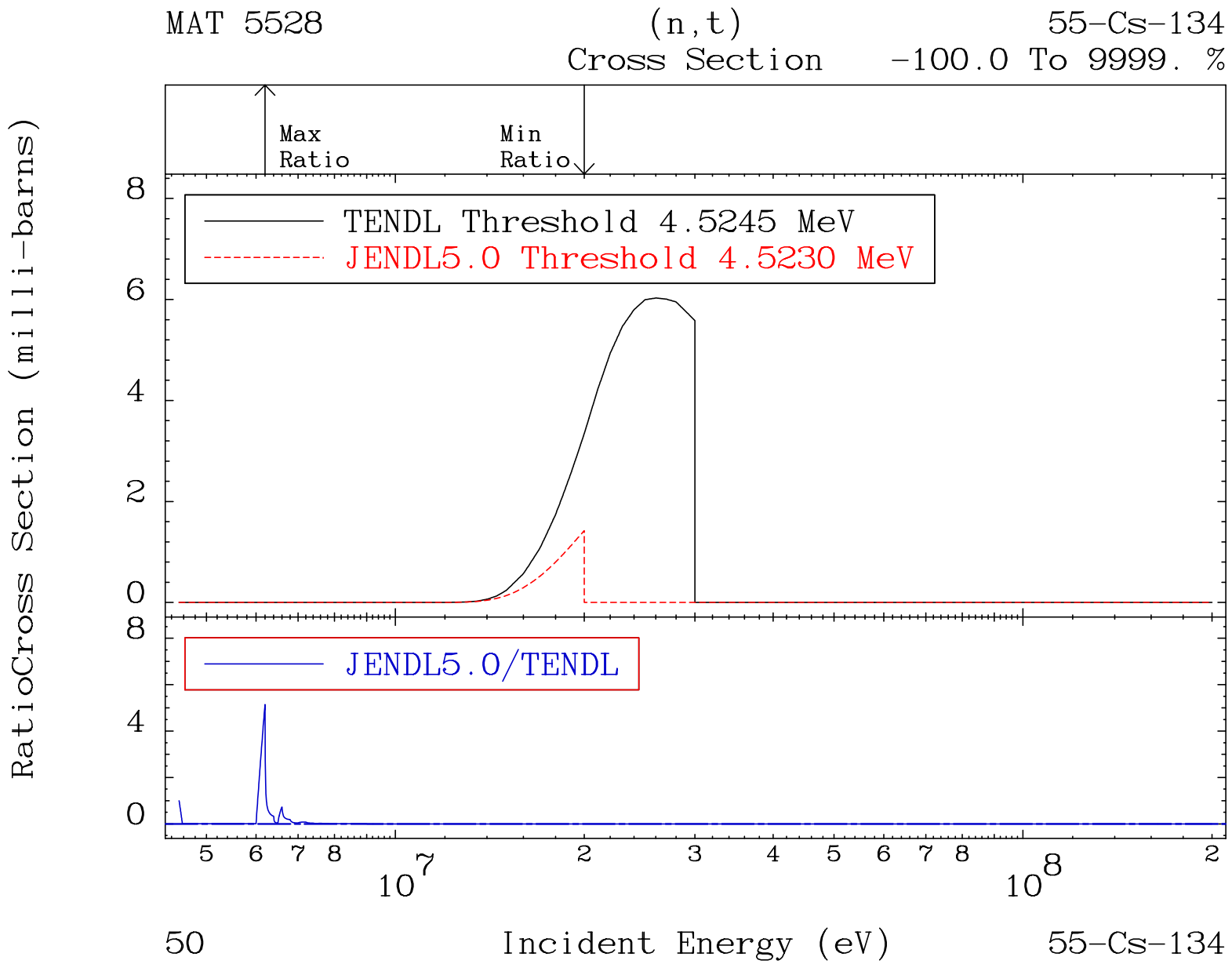

MAT 5528
MT= 80 (n,n') Level
55-Cs-134
Cross Section -100.0 To 195.2 %
Max
Ratio
TENDL Threshold 617.64 keV
JENDL5.0 Threshold 617.64 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
4
2
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
45
Incident Energy (eV)
55-Cs-134

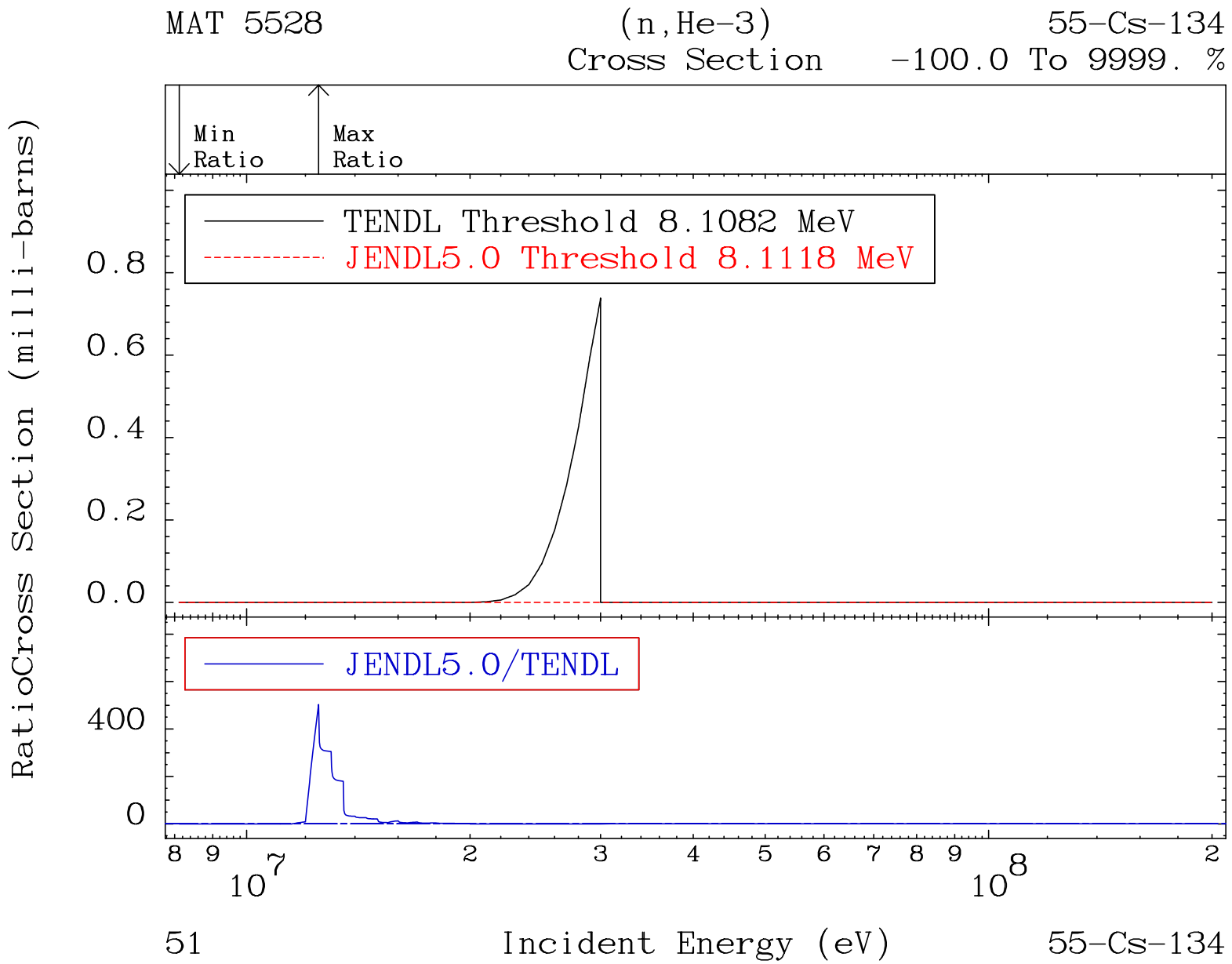

MAT 5528
(n,n') Continuum
Cross Section
55-Cs-134
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 617.64 keV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
800
400
0
10^5
10^6
10^7
10^8
46
Incident Energy (eV)
55-Cs-134

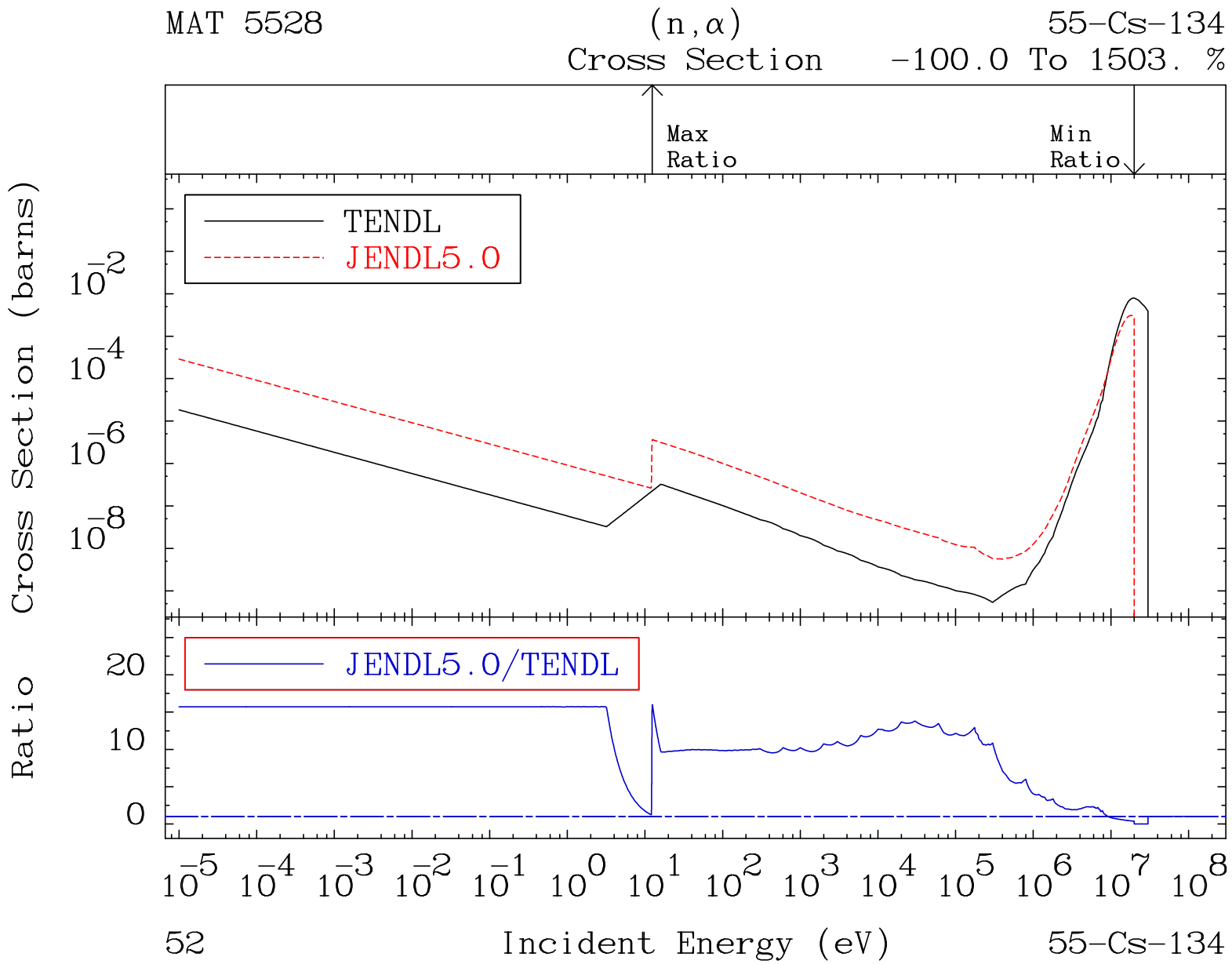

MAT 5528
(n,γ)
Cross Section
55-Cs-134
-100.0 To 9976. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^4
10^2
10^0
10^-2
JENDL5.0/TENDL
Ratio
120
60
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
47
Incident Energy (eV)
55-Cs-134

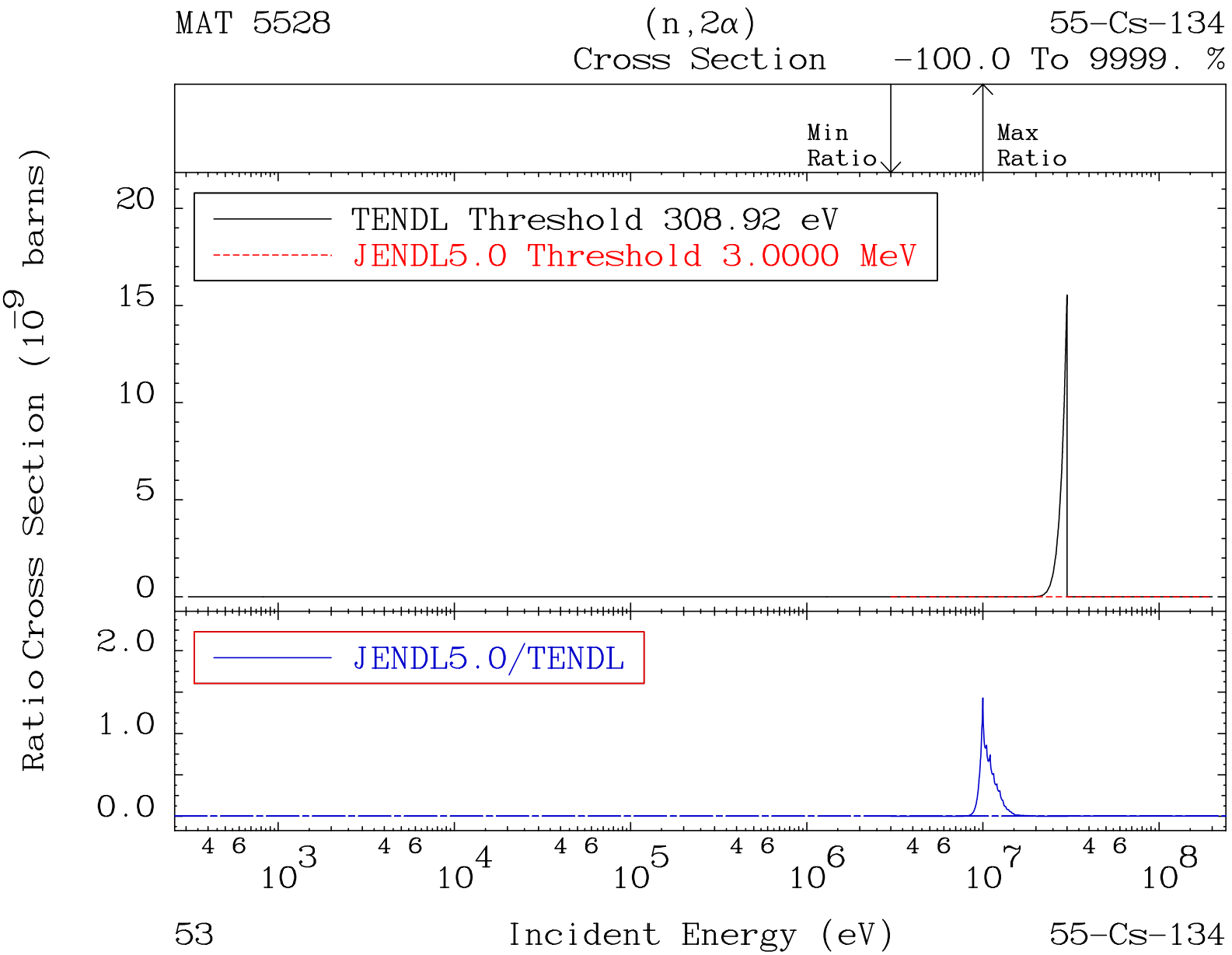

MAT 5528
(n,p)
Cross Section
55-Cs-134
-100.0 To 69.95 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
48
55-Cs-134

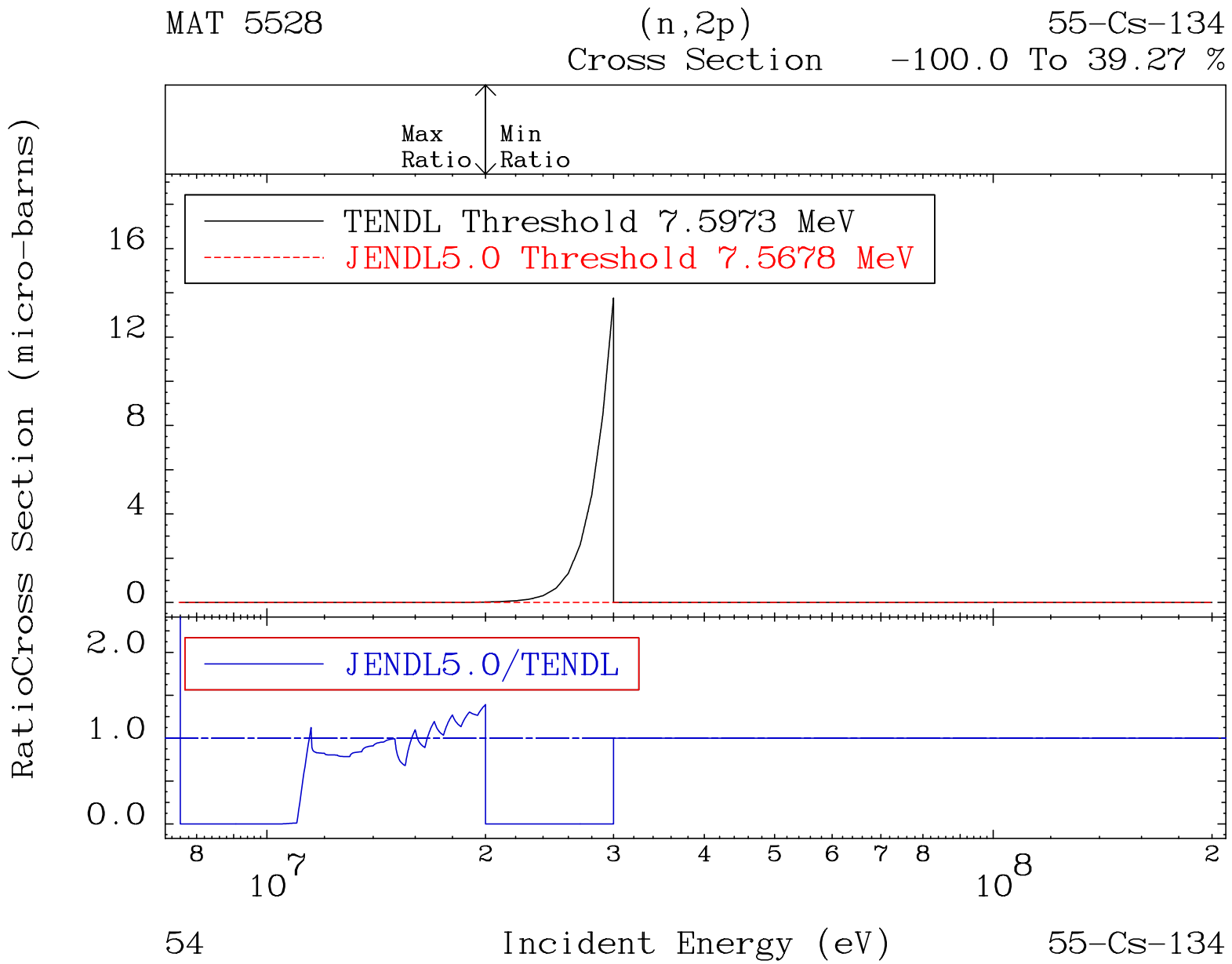

MAT 5528
(n,d)
55-Cs-134
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 4.3445 MeV
JENDL5.0 Threshold 4.3445 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
40
20
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
49
Incident Energy (eV)
55-Cs-134

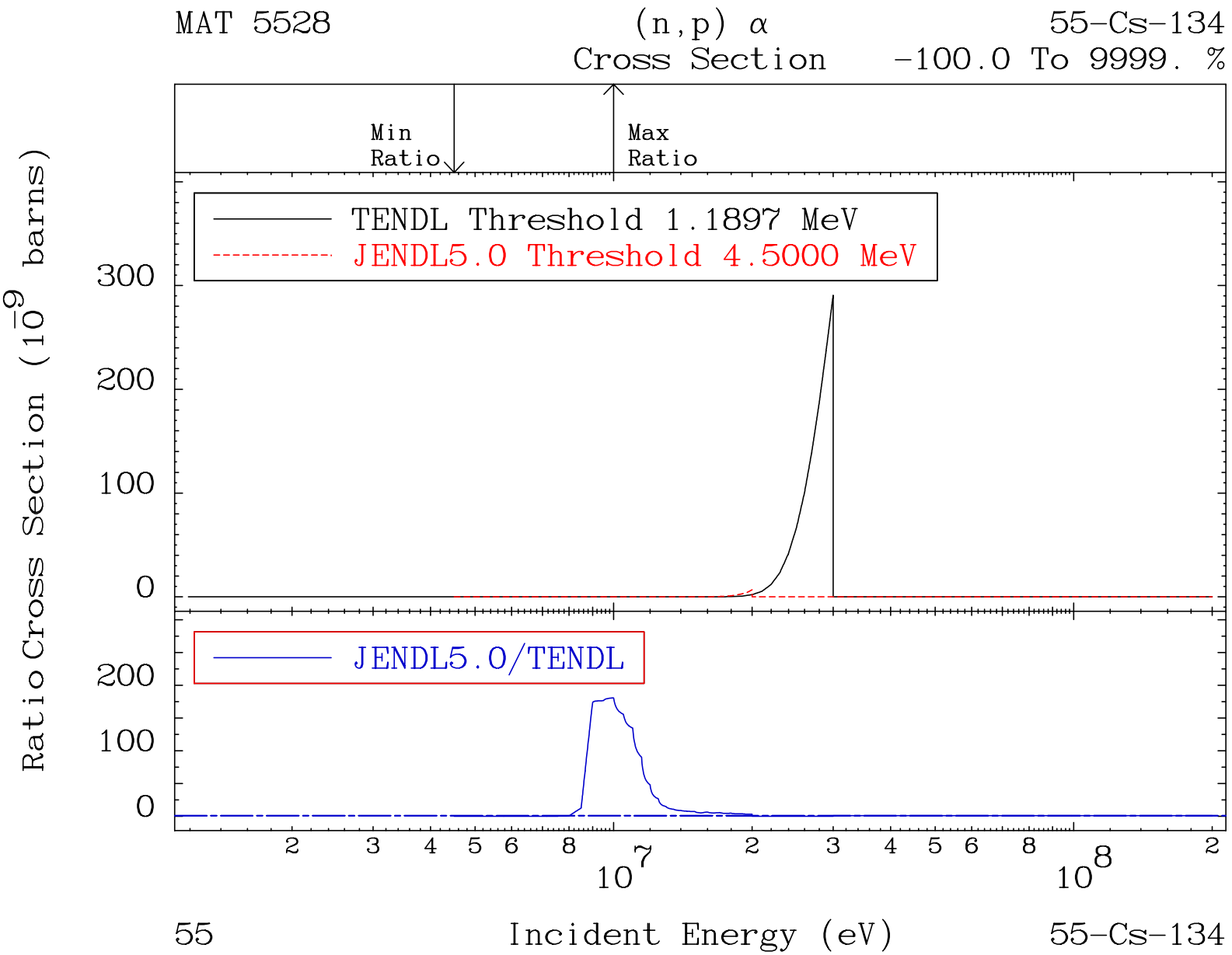

MAT 5528
(n,t)
Cross Section
55-Cs-134
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.5245 MeV
JENDL5.0 Threshold 4.5230 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
50
55-Cs-134

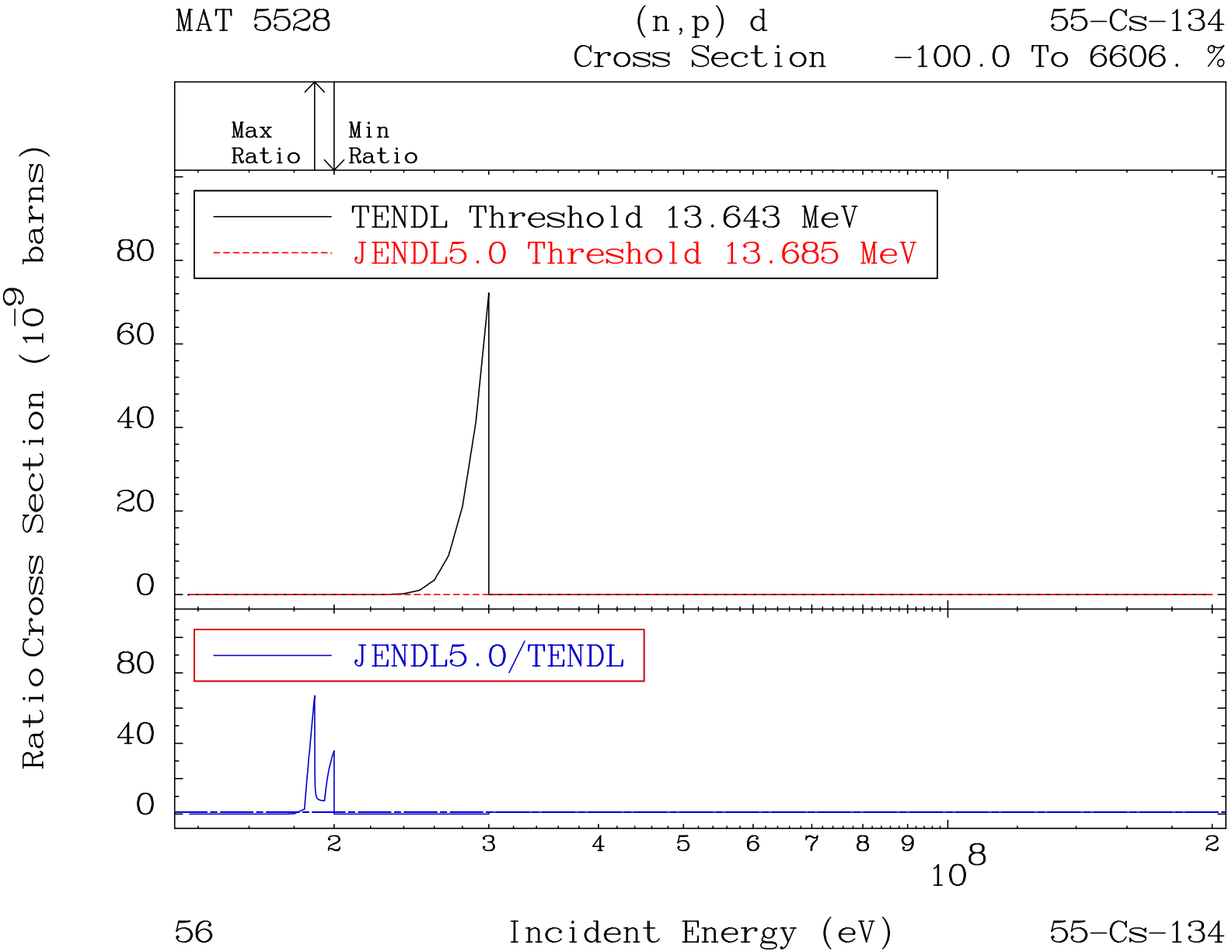

MAT 5528
(n,He-3)
Cross Section
55-Cs-134
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 8.1082 MeV
JENDL5.0 Threshold 8.1118 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0.8
0.6
0.4
0.2
0.0
400
0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
51
Incident Energy (eV)
55-Cs-134

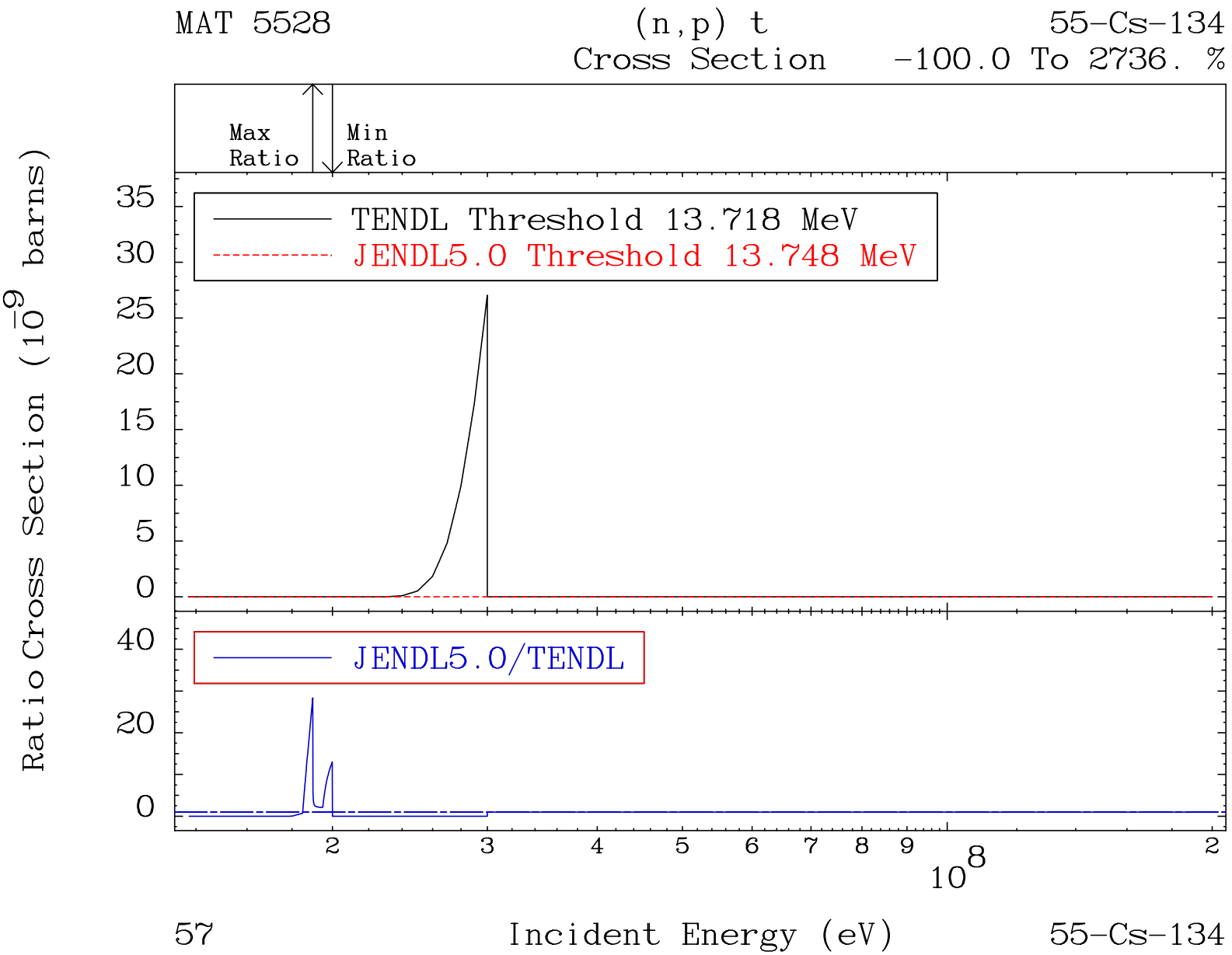

MAT 5528
(n,α)
55-Cs-134
Cross Section
-100.0 To 1503. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^-2
10^-4
10^-6
10^-8
JENDL5.0/TENDL
Ratio
20
10
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
52
Incident Energy (eV)
55-Cs-134

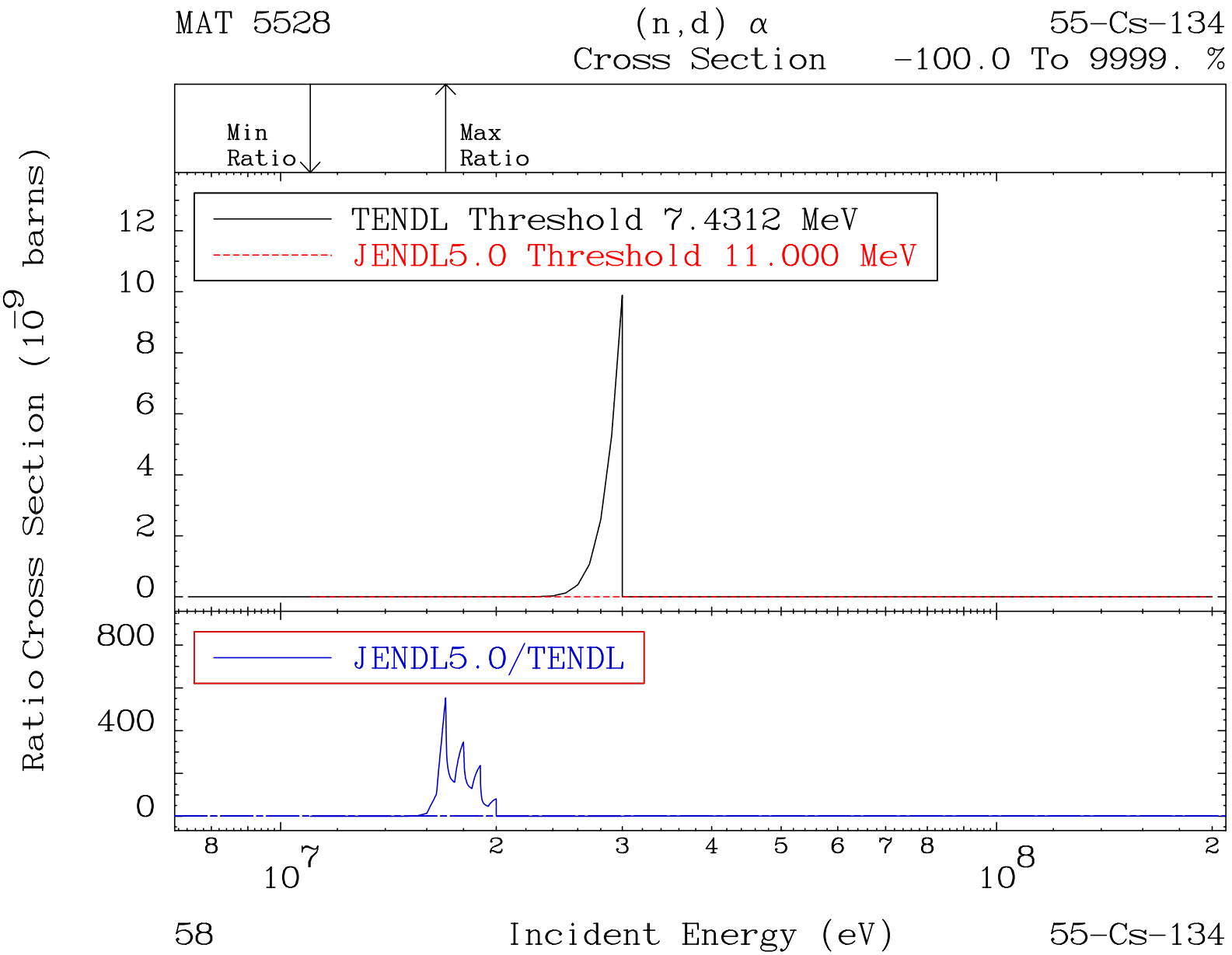

MAT 5528
(n,2α)
55-Cs-134
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 308.92 eV
JENDL5.0 Threshold 3.0000 MeV
JENDL5.0/TENDL
Ratio Cross Section (10^-9 barns)
20
15
10
5
0
2.0
1.0
0.0
4 6
10^3
4 6
10^4
4 6
10^5
4 6
10^6
4 6
10^7
4 6
10^8
53
Incident Energy (eV)
55-Cs-134

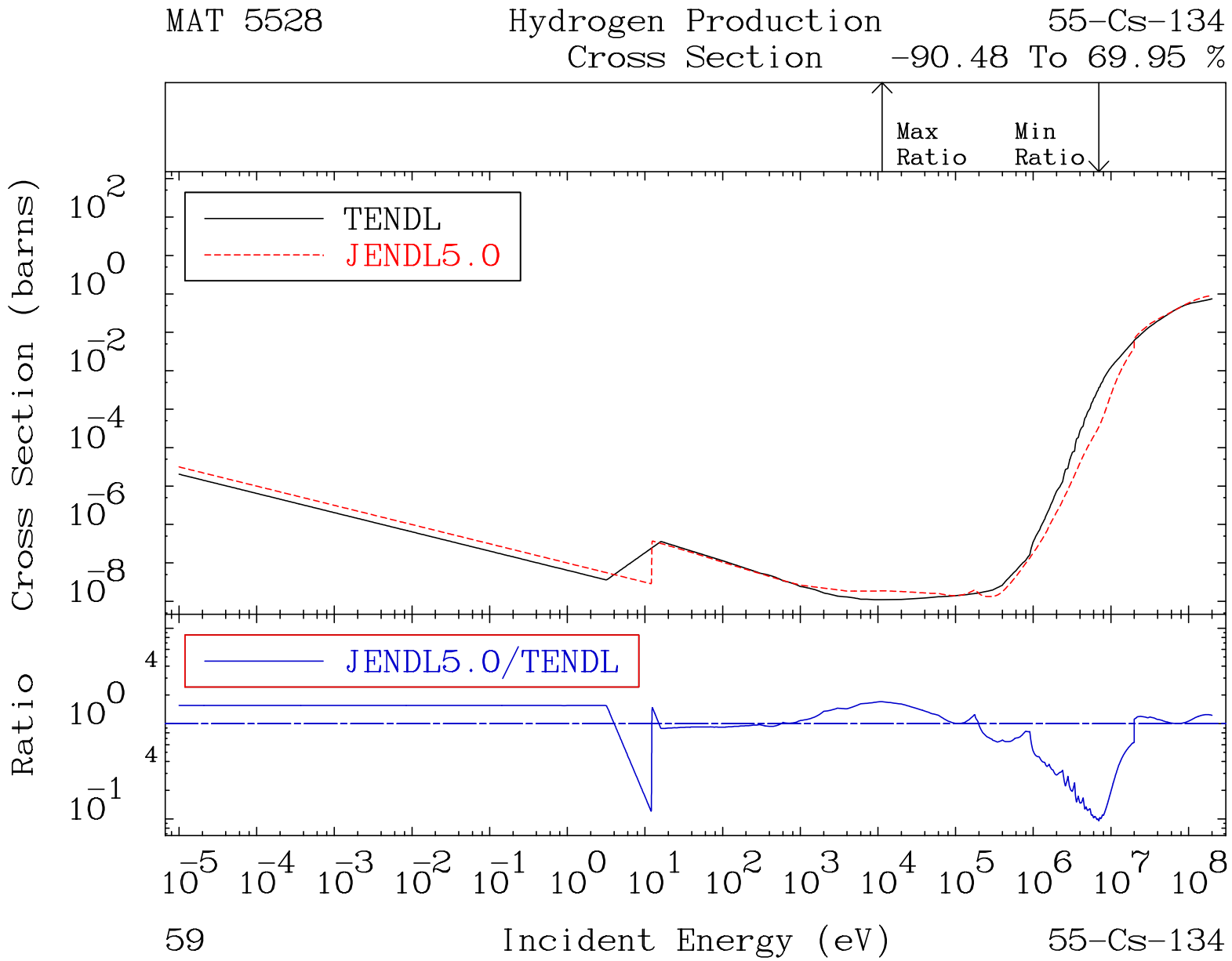

MAT 5528
(n,2p)
Cross Section
55-Cs-134
-100.0 To 39.27 %
Max Ratio
Min Ratio
TENDL Threshold 7.5973 MeV
JENDL5.0 Threshold 7.5678 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
16
12
8
4
0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
54
Incident Energy (eV)
55-Cs-134

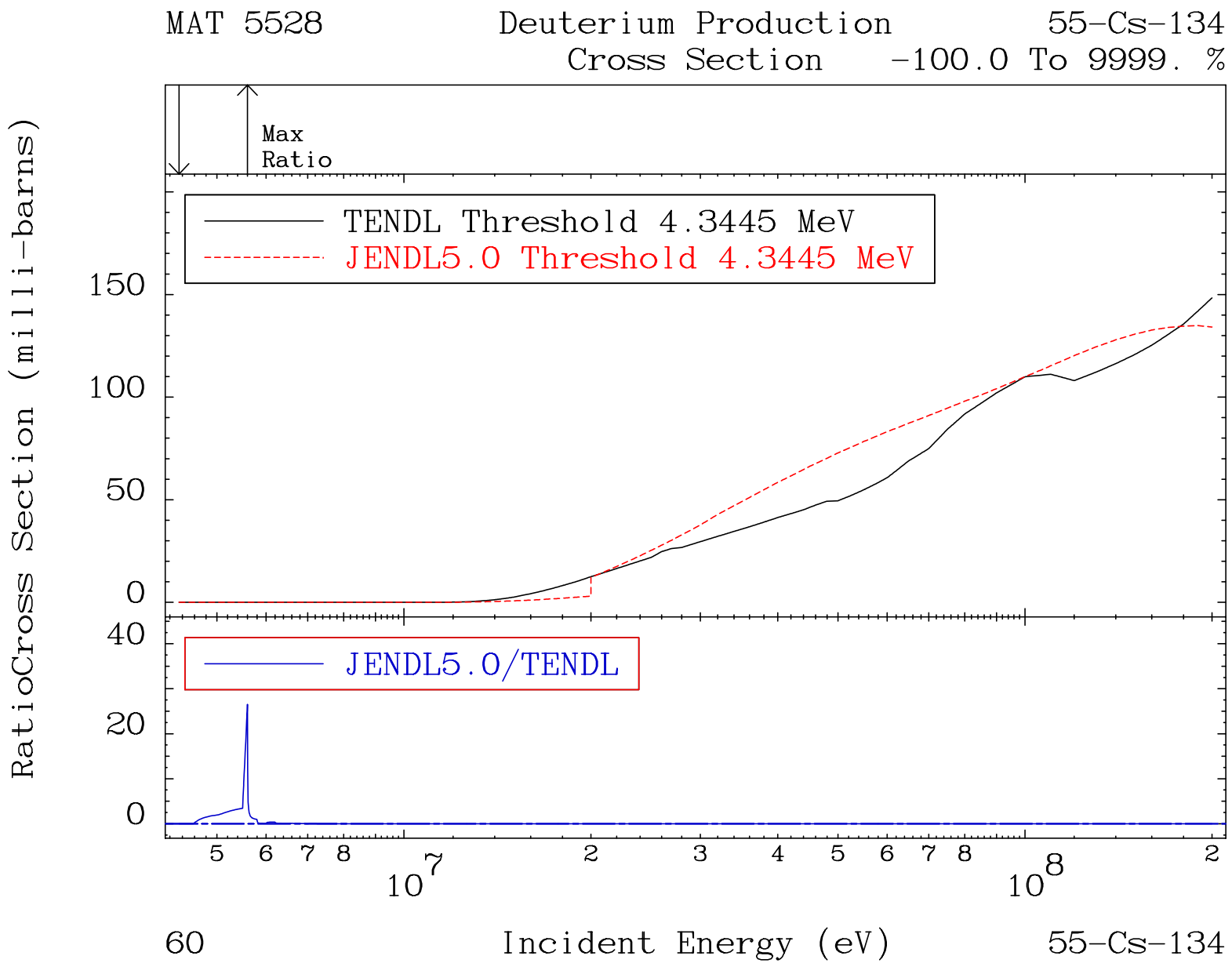

MAT 5528
(n,p) α
55-Cs-134
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1897 MeV
JENDL5.0 Threshold 4.5000 MeV
JENDL5.0/TENDL
Ratio Cross Section (10^-9 barns)
300
200
100
0
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
55
Incident Energy (eV)
55-Cs-134

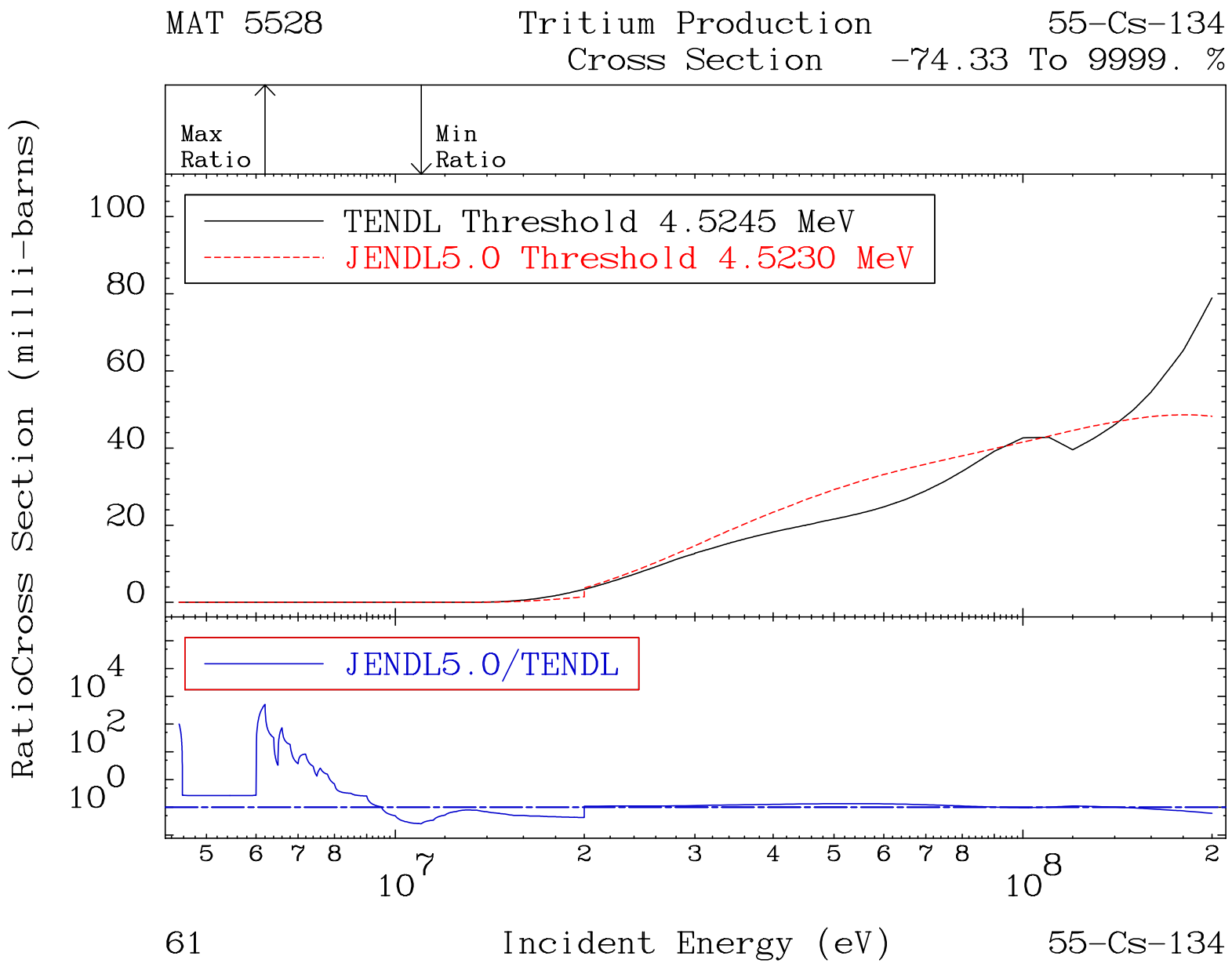

MAT 5528
(n,p) d
55-Cs-134
Cross Section
-100.0 To 6606. %
Max Ratio
Min Ratio
TENDL Threshold 13.643 MeV
JENDL5.0 Threshold 13.685 MeV
JENDL5.0/TENDL
Ratio Cross Section (10^{-9} barns)
80
60
40
20
0
80
40
0
2
3
4
5
6
7
8
9
10^8
2
56
Incident Energy (eV)
55-Cs-134

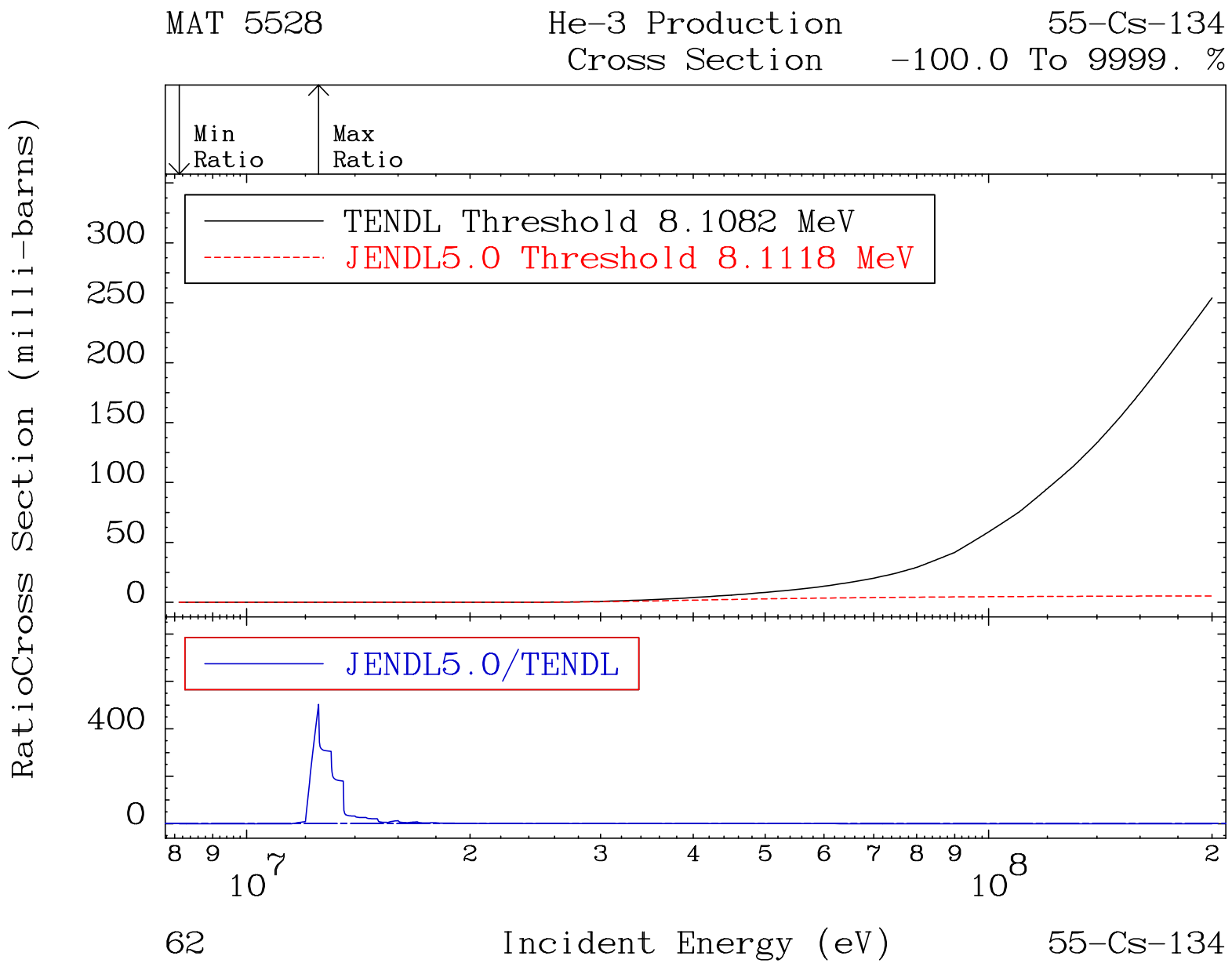

MAT 5528
(n,p) t
Cross Section
55-Cs-134
-100.0 To 2736. %
Max Ratio
Min Ratio
TENDL Threshold 13.718 MeV
JENDL5.0 Threshold 13.748 MeV
JENDL5.0/TENDL
Ratio Cross Section (10^{-9} barns)
35
30
25
20
15
10
5
0
40
20
0
2
3
4
5
6
7
8
9
10^8
2
57
Incident Energy (eV)
55-Cs-134

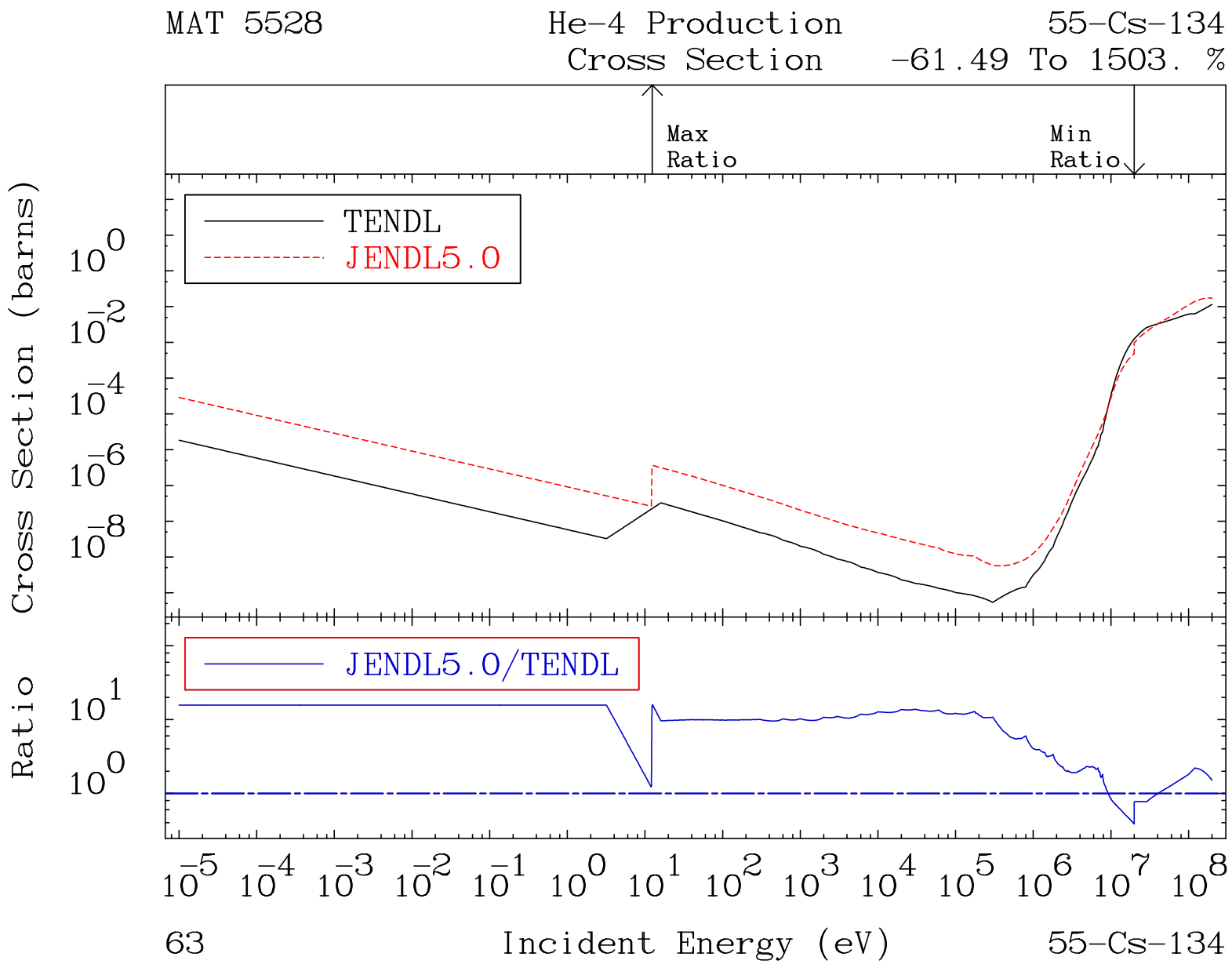

MAT 5528
(n,d) α
Cross Section
55-Cs-134
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 7.4312 MeV
JENDL5.0 Threshold 11.000 MeV
JENDL5.0/TENDL
Ratio Cross Section (10^-9 barns)
12
10
8
6
4
2
0
800
400
0
8
10^7
2
3
4
5
6
7
8
10^8
2
58
Incident Energy (eV)
55-Cs-134

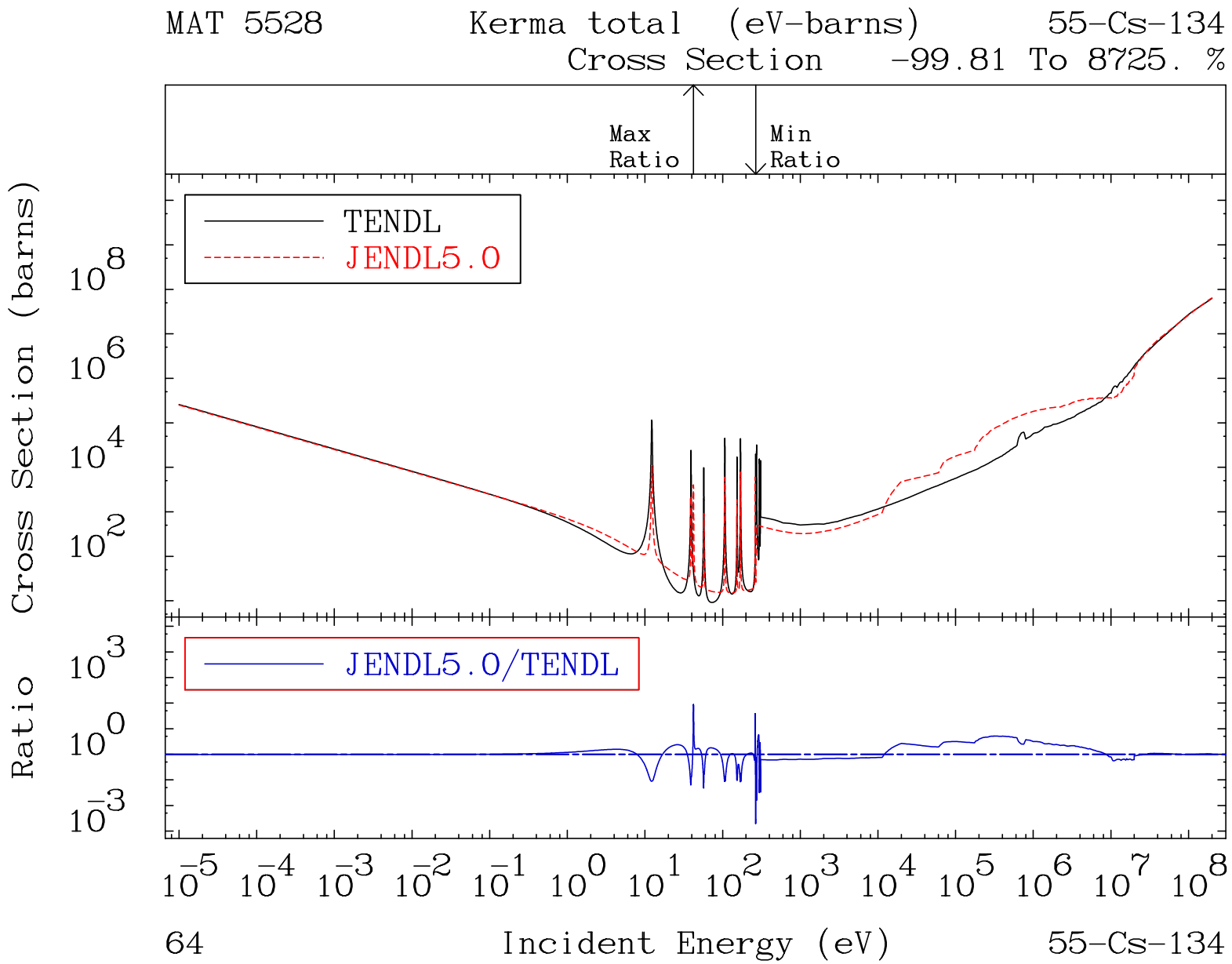

MAT 5528
Hydrogen Production
55-Cs-134
Cross Section
-90.48 To 69.95 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
59
55-Cs-134

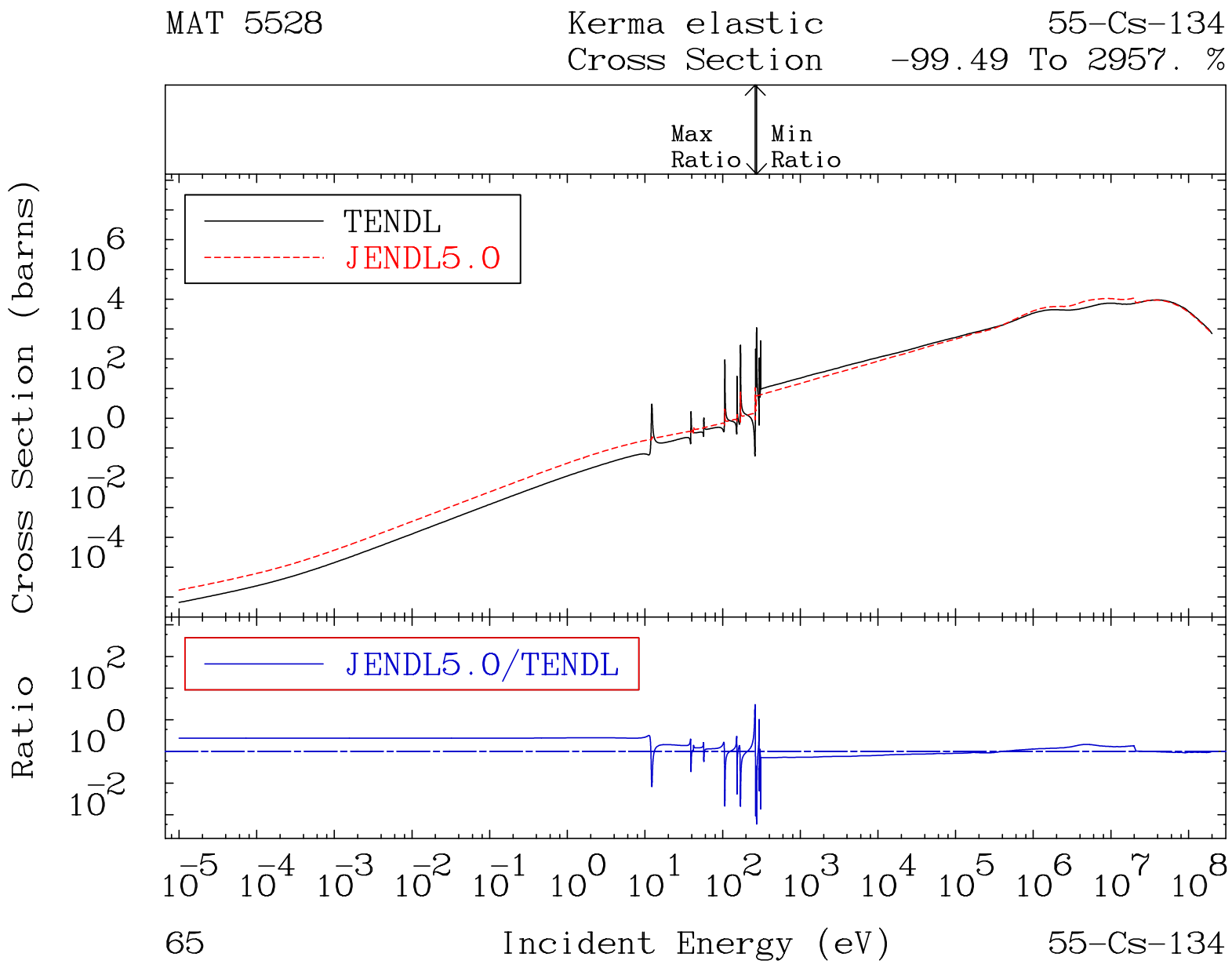

MAT 5528
Deuterium Production
55-Cs-134
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 4.3445 MeV
JENDL5.0 Threshold 4.3445 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
40
20
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
60
Incident Energy (eV)
55-Cs-134

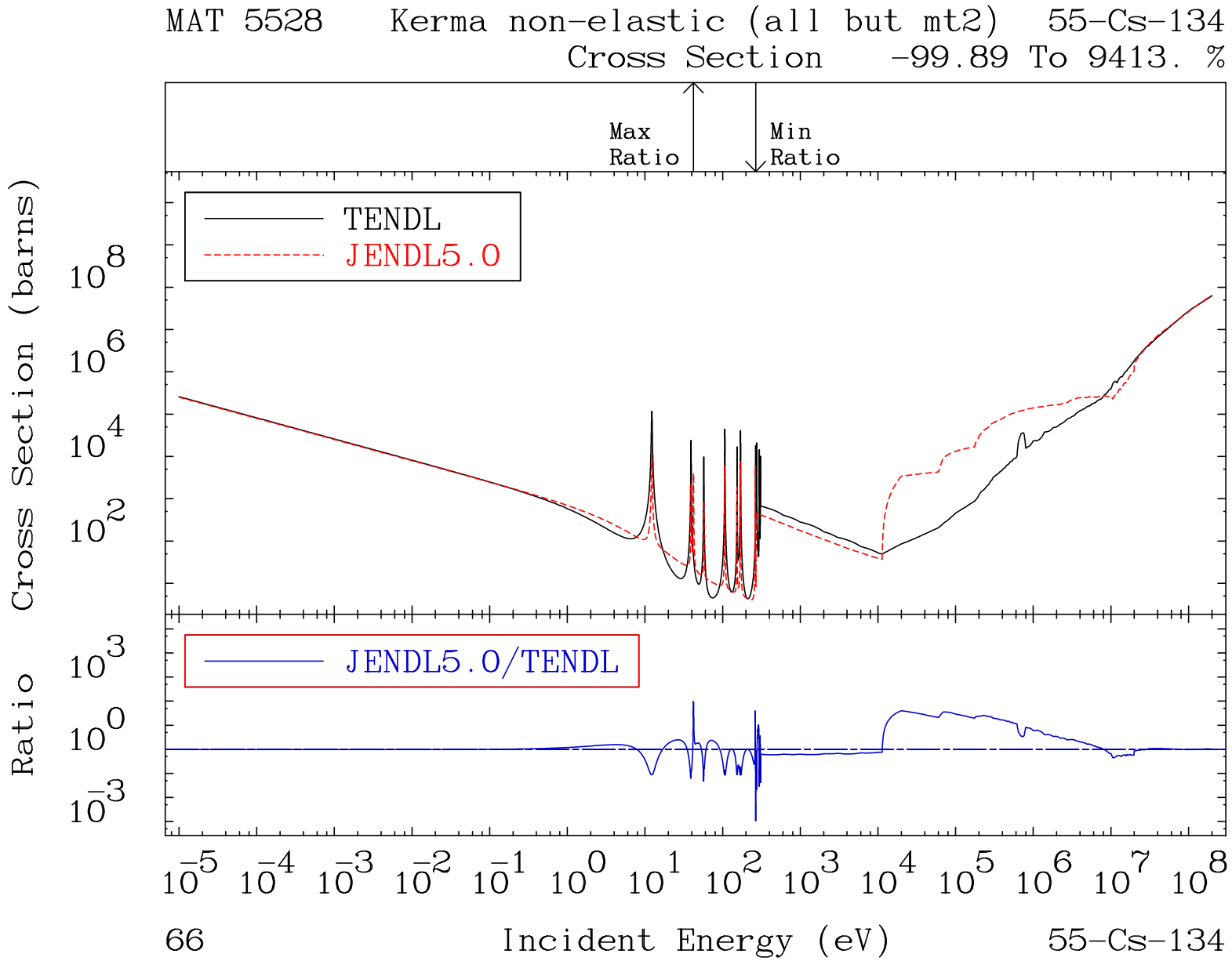

MAT 5528
Tritium Production
55-Cs-134
Cross Section
-74.33 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.5245 MeV
JENDL5.0 Threshold 4.5230 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^4
10^2
10^0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
61
Incident Energy (eV)
55-Cs-134

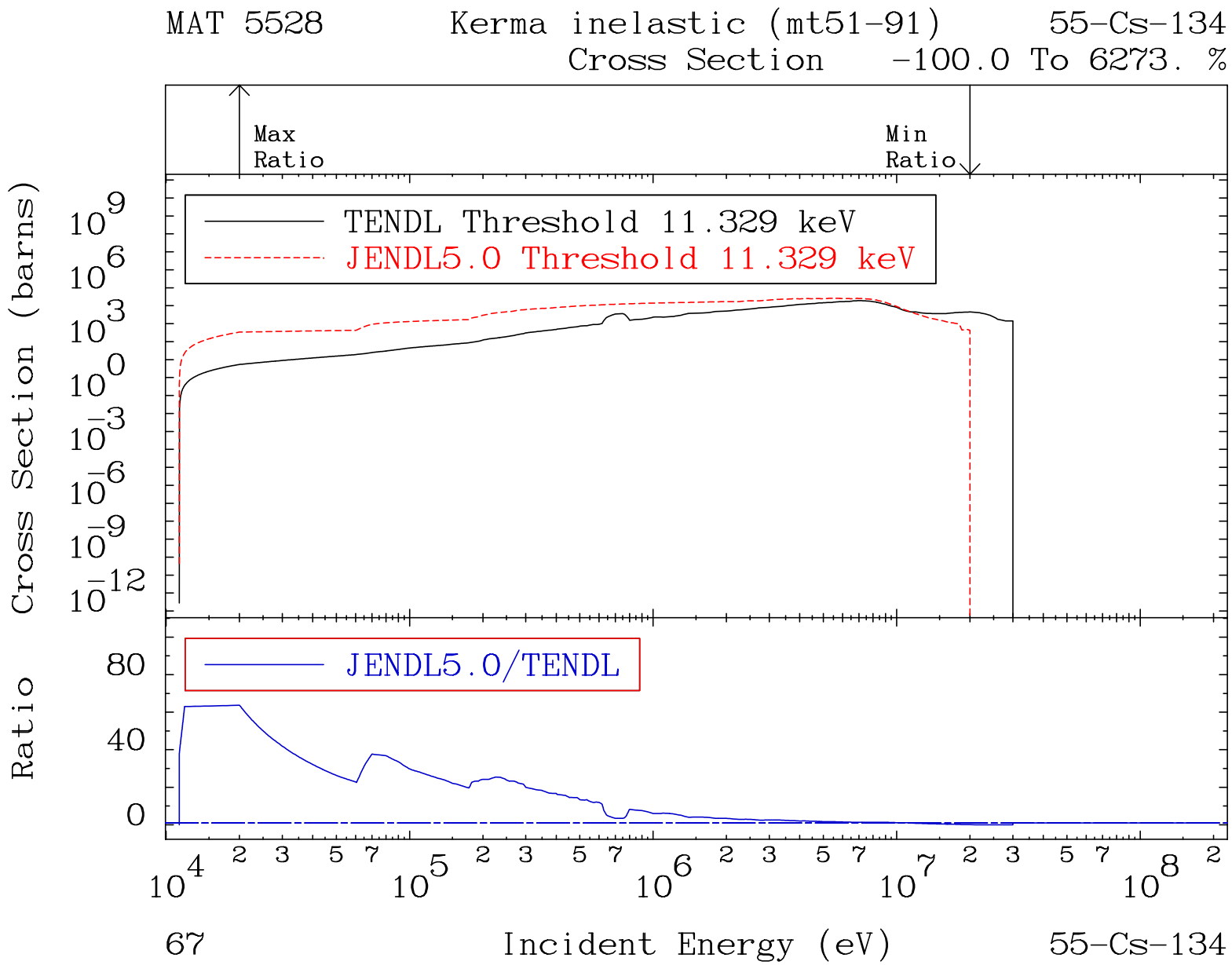

MAT 5528
He-3 Production
Cross Section
55-Cs-134
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 8.1082 MeV
JENDL5.0 Threshold 8.1118 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
400
0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
62
Incident Energy (eV)
55-Cs-134

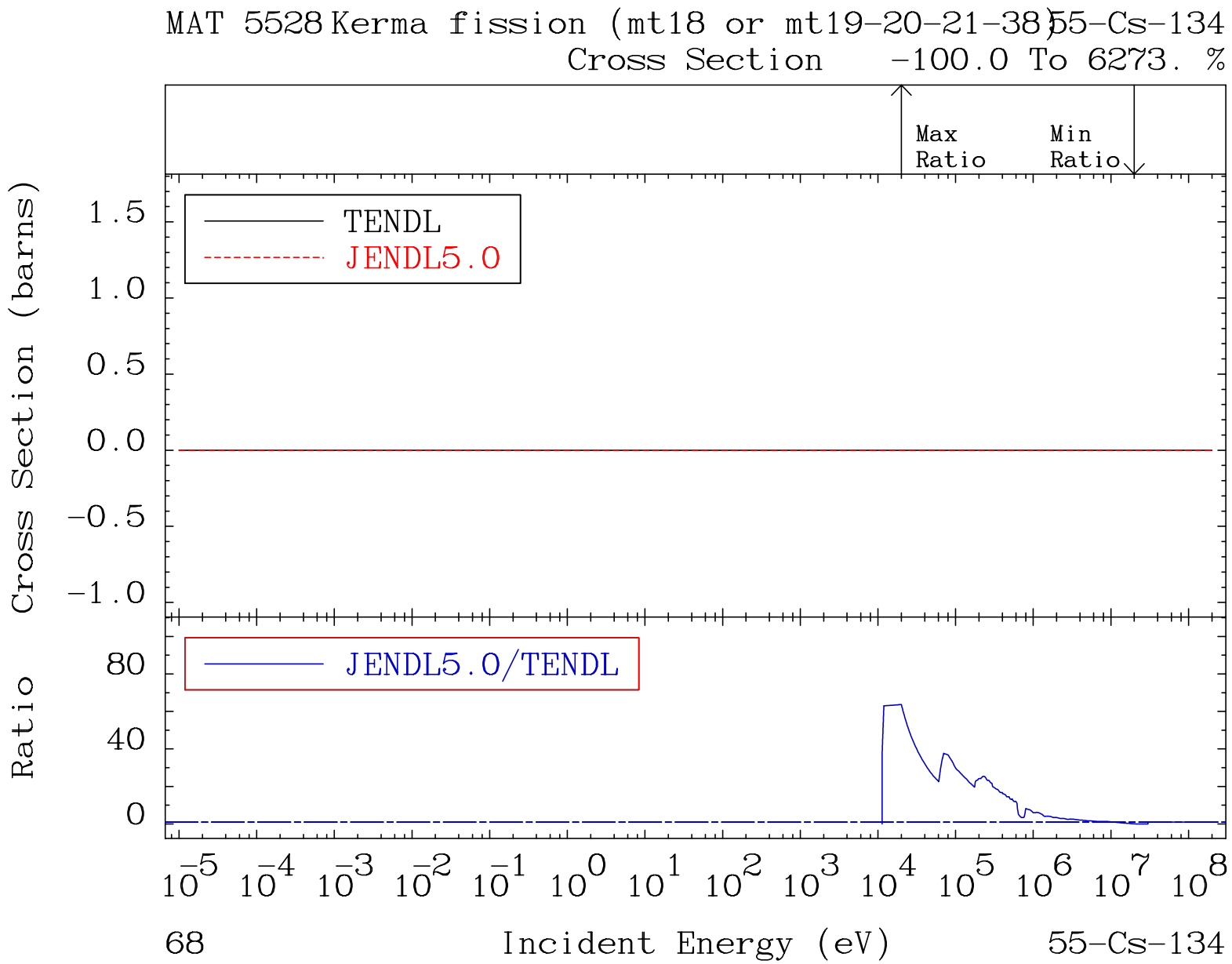

MAT 5528
He-4 Production
Cross Section
55-Cs-134
-61.49 To 1503. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
63
55-Cs-134

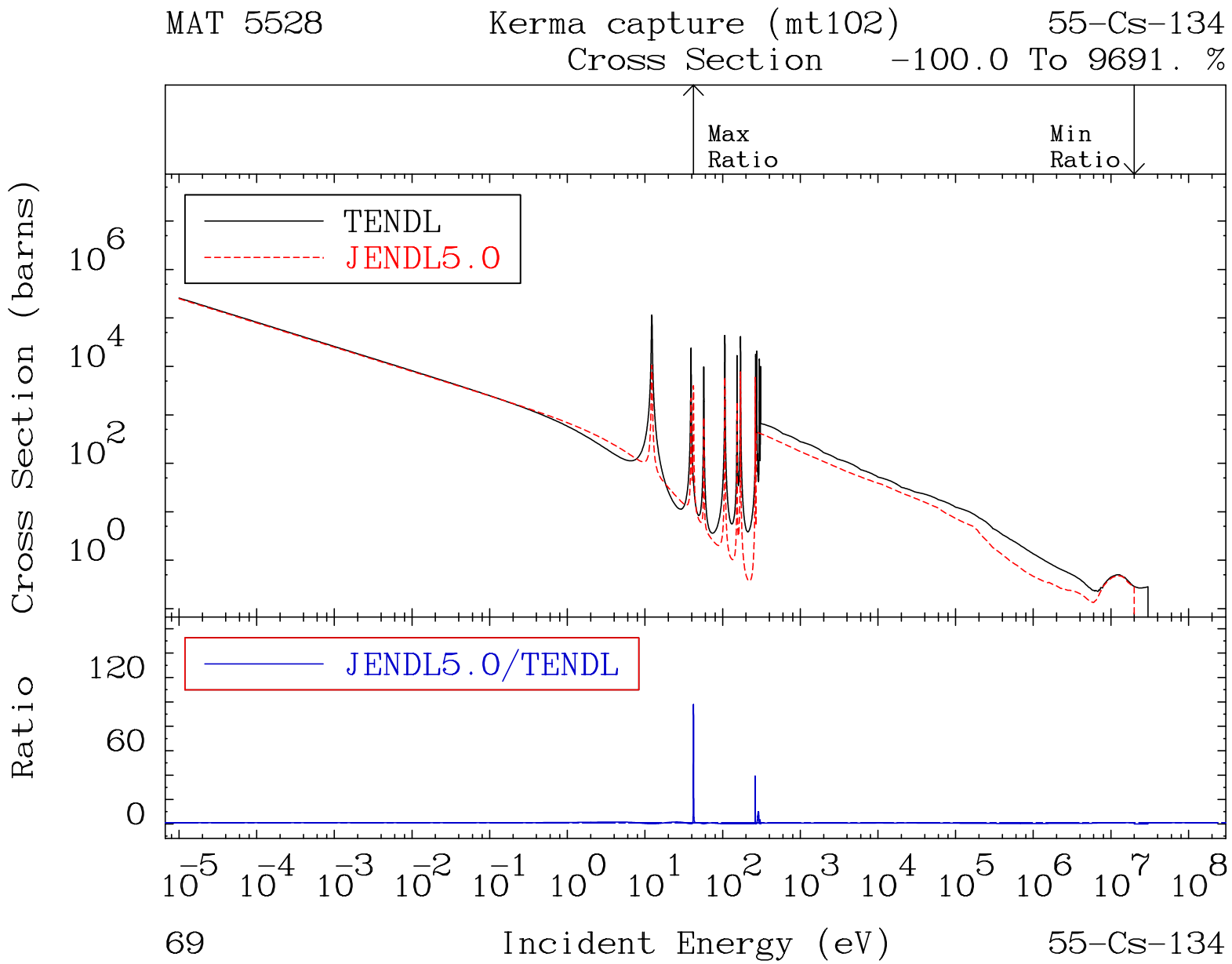

MAT 5528
Kerma total (eV-barns)
55-Cs-134
Cross Section -99.81 To 8725. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
64
55-Cs-134

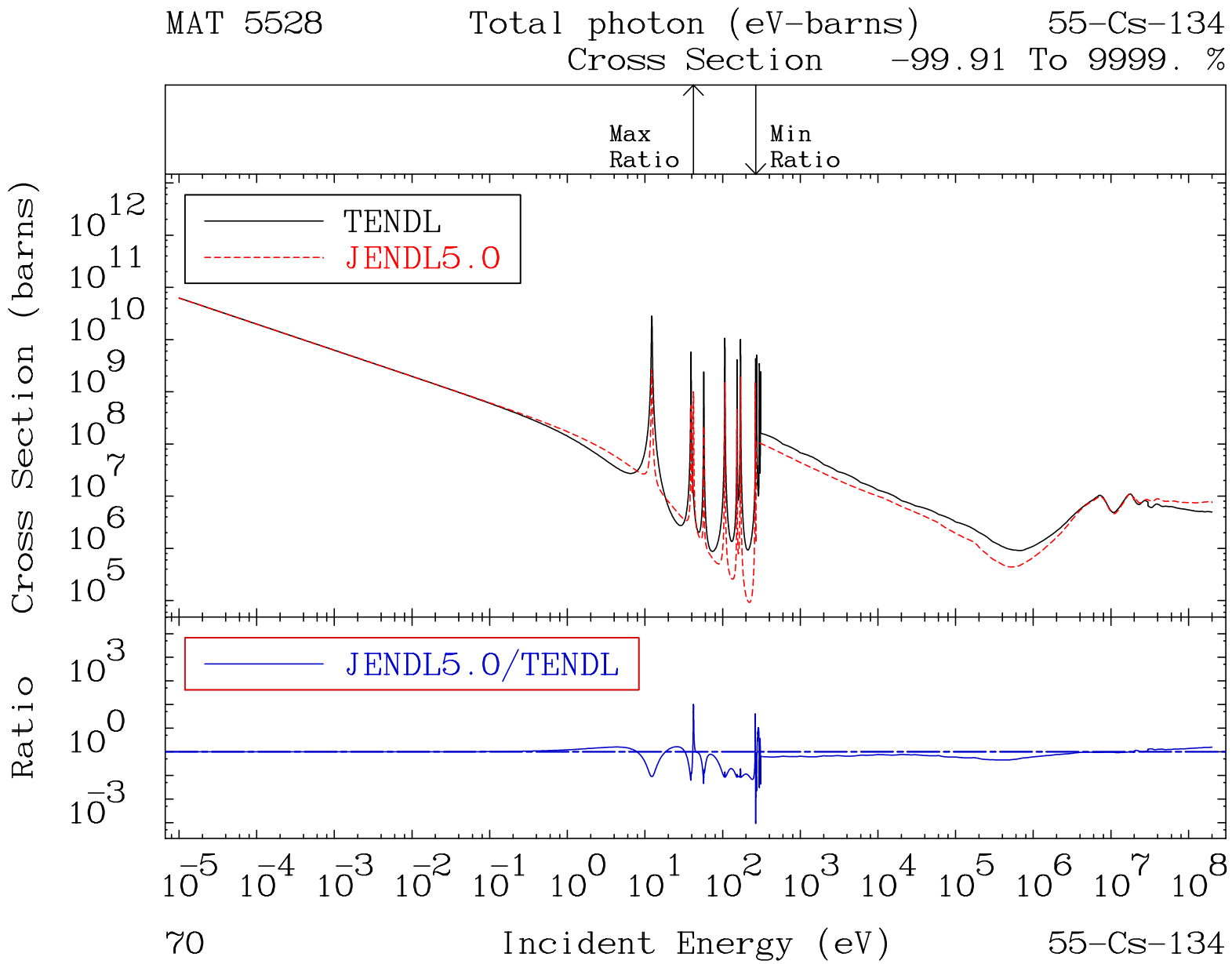

MAT 5528
Kerma elastic
Cross Section
55-Cs-134
-99.49 To 2957. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
65
55-Cs-134

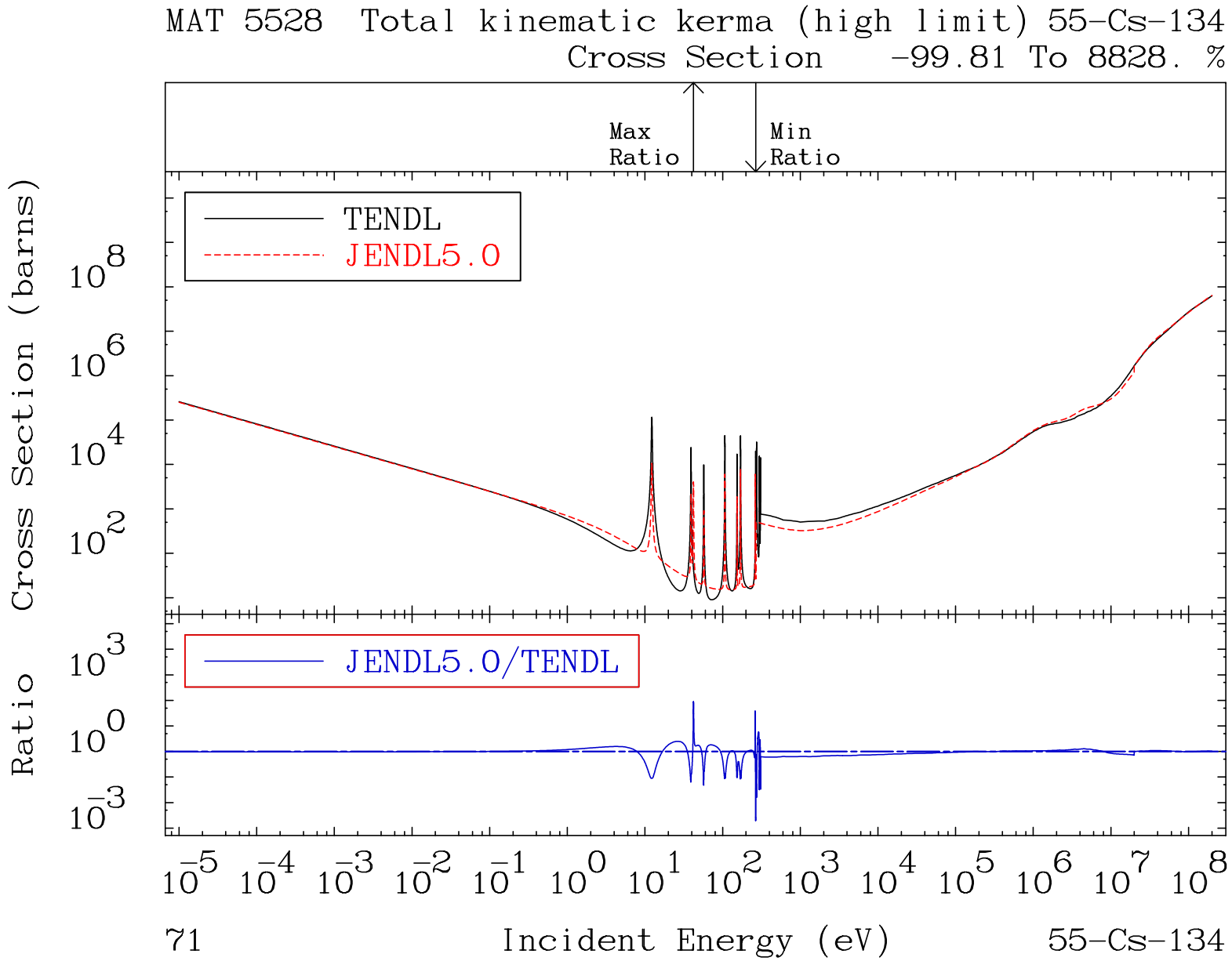

MAT 5528 Kerma non-elastic (all but mt2) 55-Cs-134
Cross Section -99.89 To 9413. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
55-Cs-134

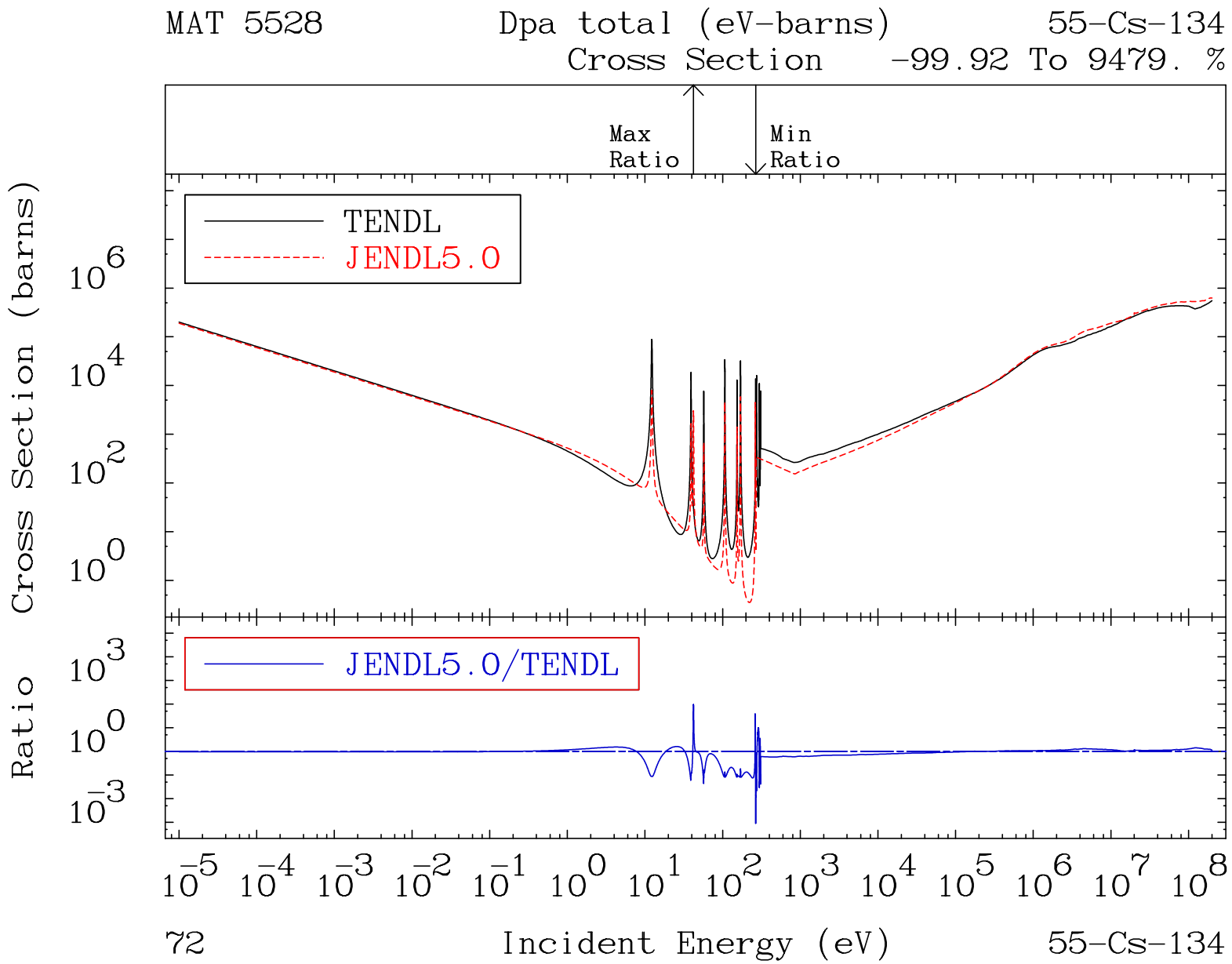

MAT 5528
Kerma inelastic (mt51-91)
55-Cs-134
Cross Section -100.0 To 6273. %
Max Ratio
Min Ratio
TENDL Threshold 11.329 keV
JENDL5.0 Threshold 11.329 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
67
55-Cs-134

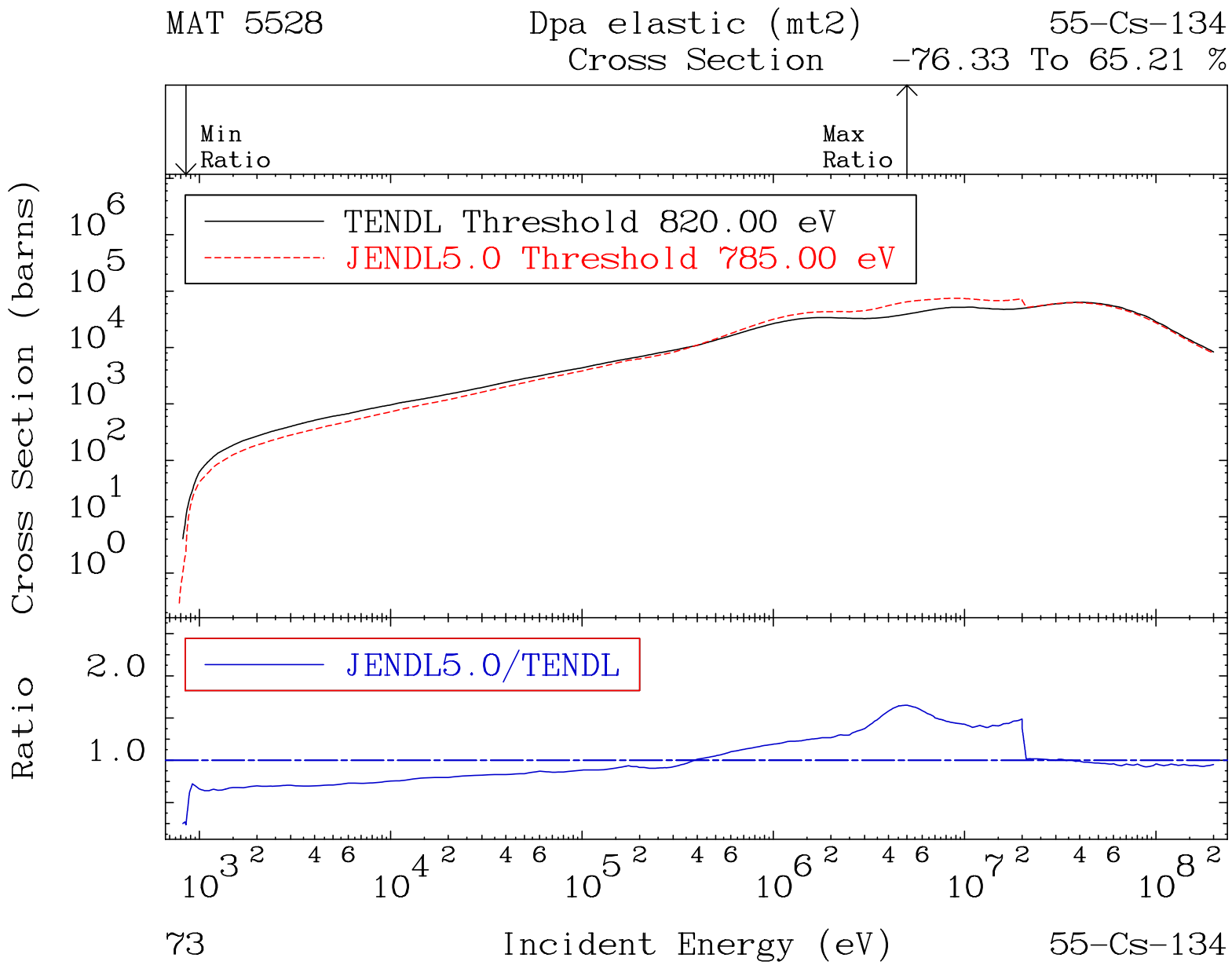

MAT 5528 Kerma fission (mt18 or mt19-20-21-38) 55-Cs-134
Cross Section -100.0 To 6273. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
80
40
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
68
Incident Energy (eV)
55-Cs-134

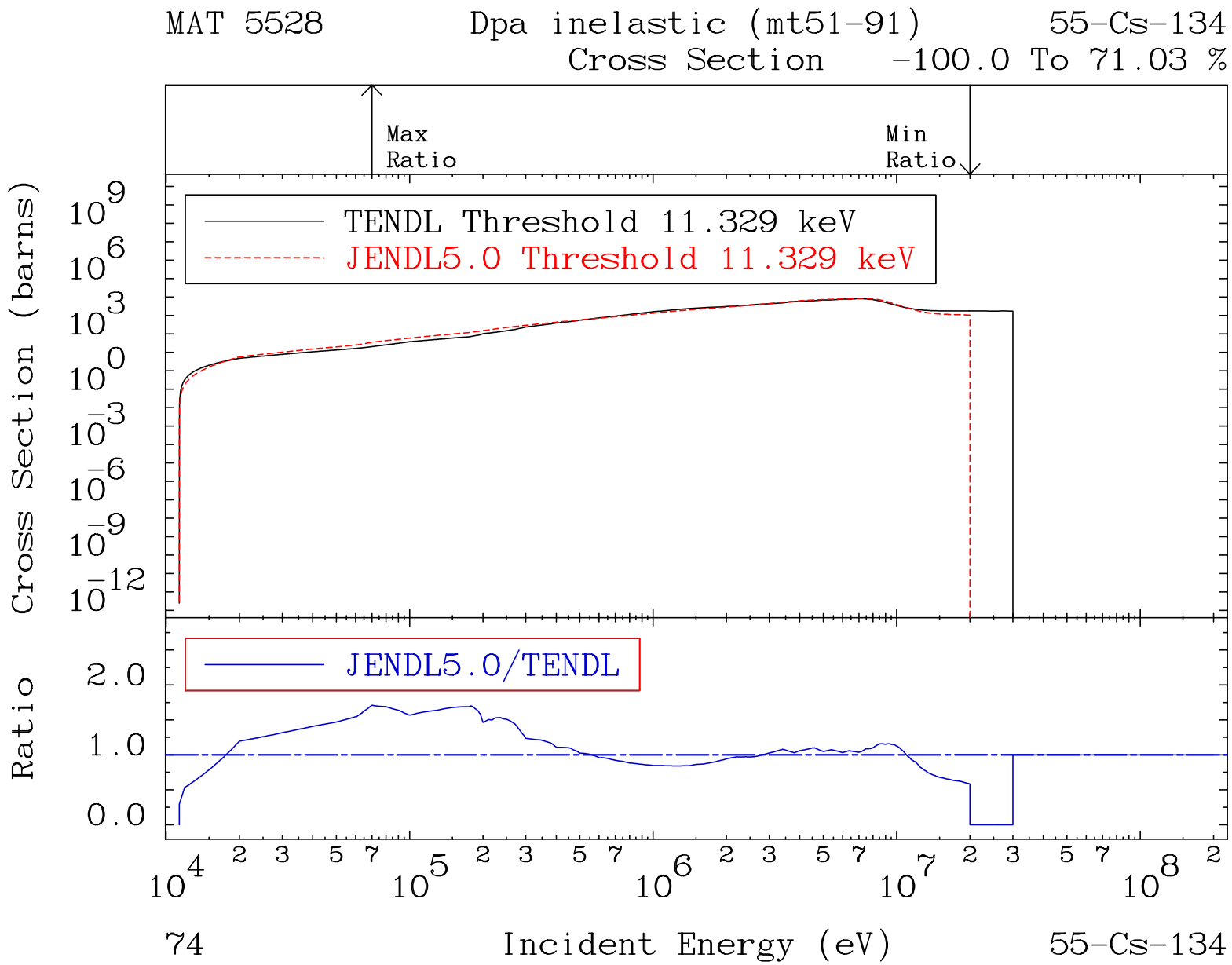

MAT 5528
Kerma capture (mt102)
55-Cs-134
Cross Section -100.0 To 9691. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
69
55-Cs-134

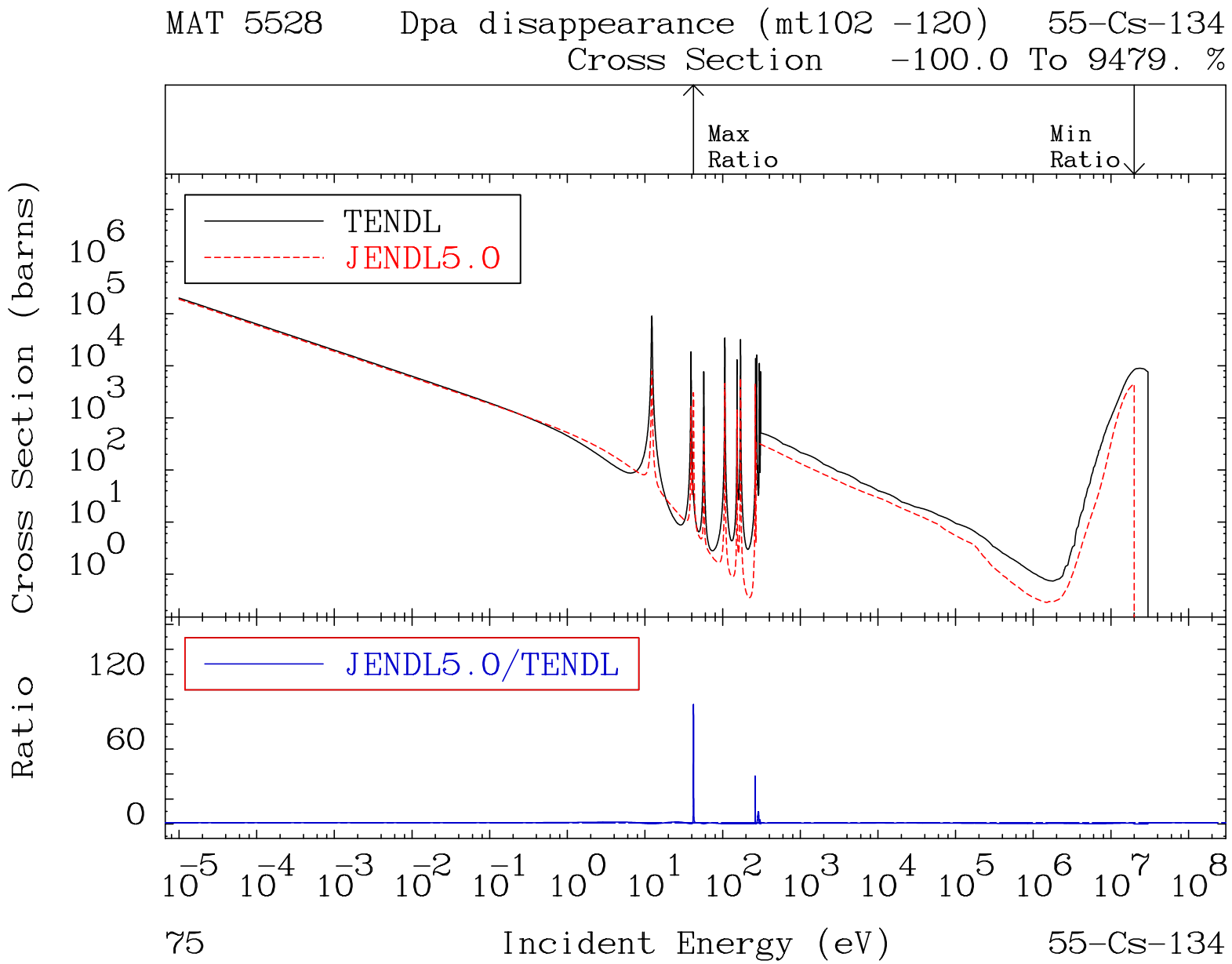

MAT 5528
Total photon (eV-barns)
55-Cs-134
Cross Section -99.91 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
70
55-Cs-134

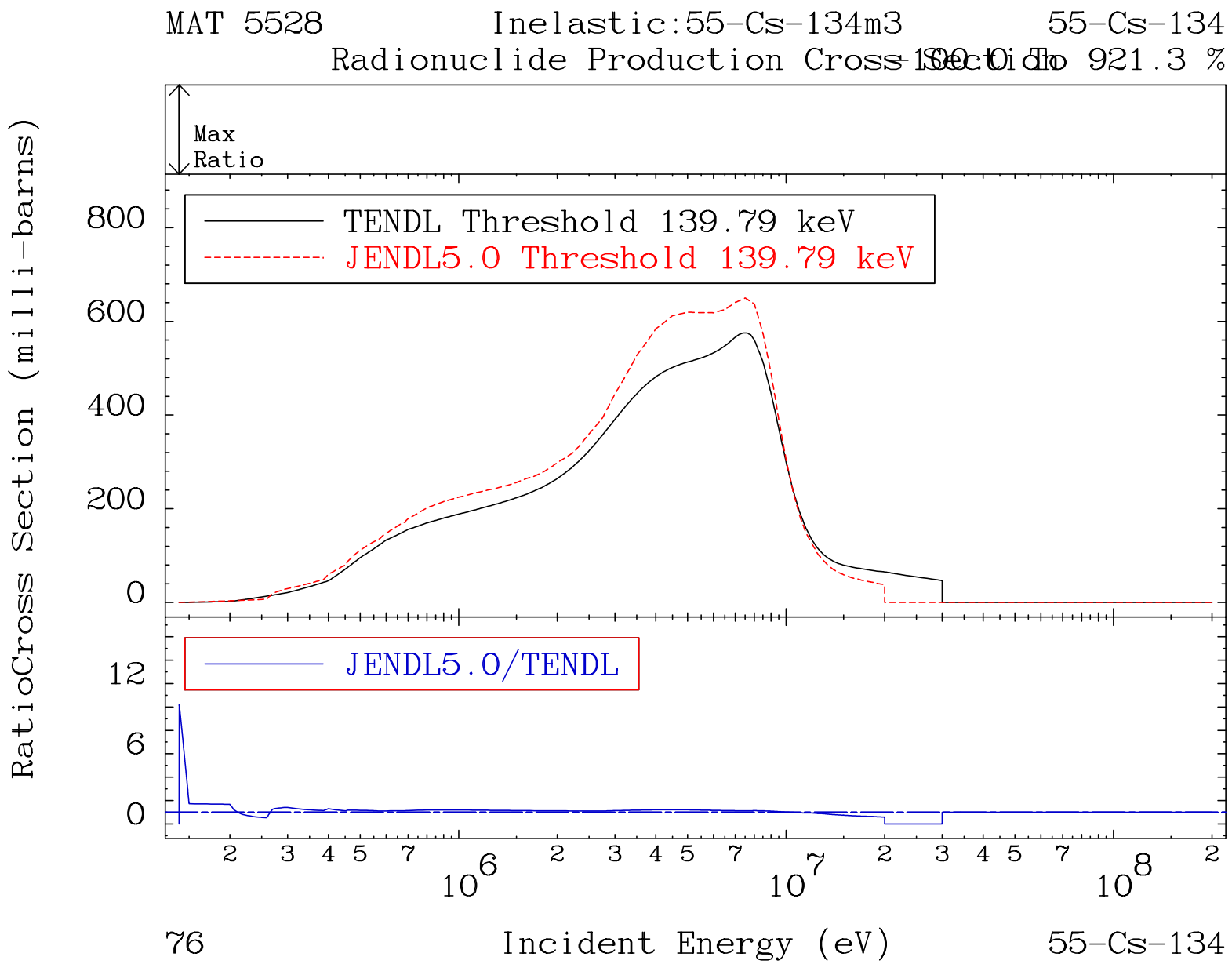

MAT 5528 Total kinematic kerma (high limit) 55-Cs-134
Cross Section -99.81 To 8828. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
71
55-Cs-134

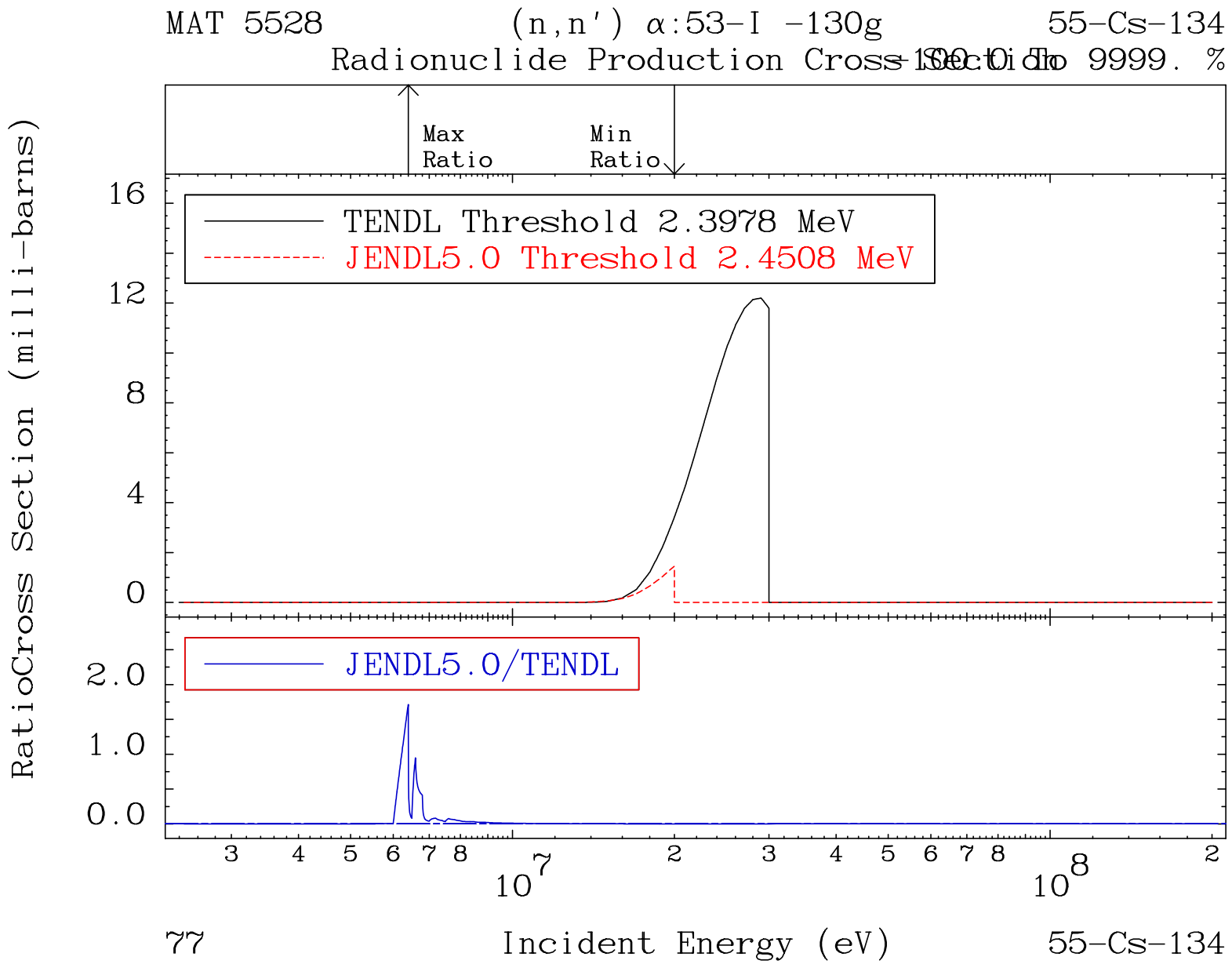

MAT 5528
Dpa total (eV-barns)
55-Cs-134
Cross Section -99.92 To 9479. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
72
55-Cs-134

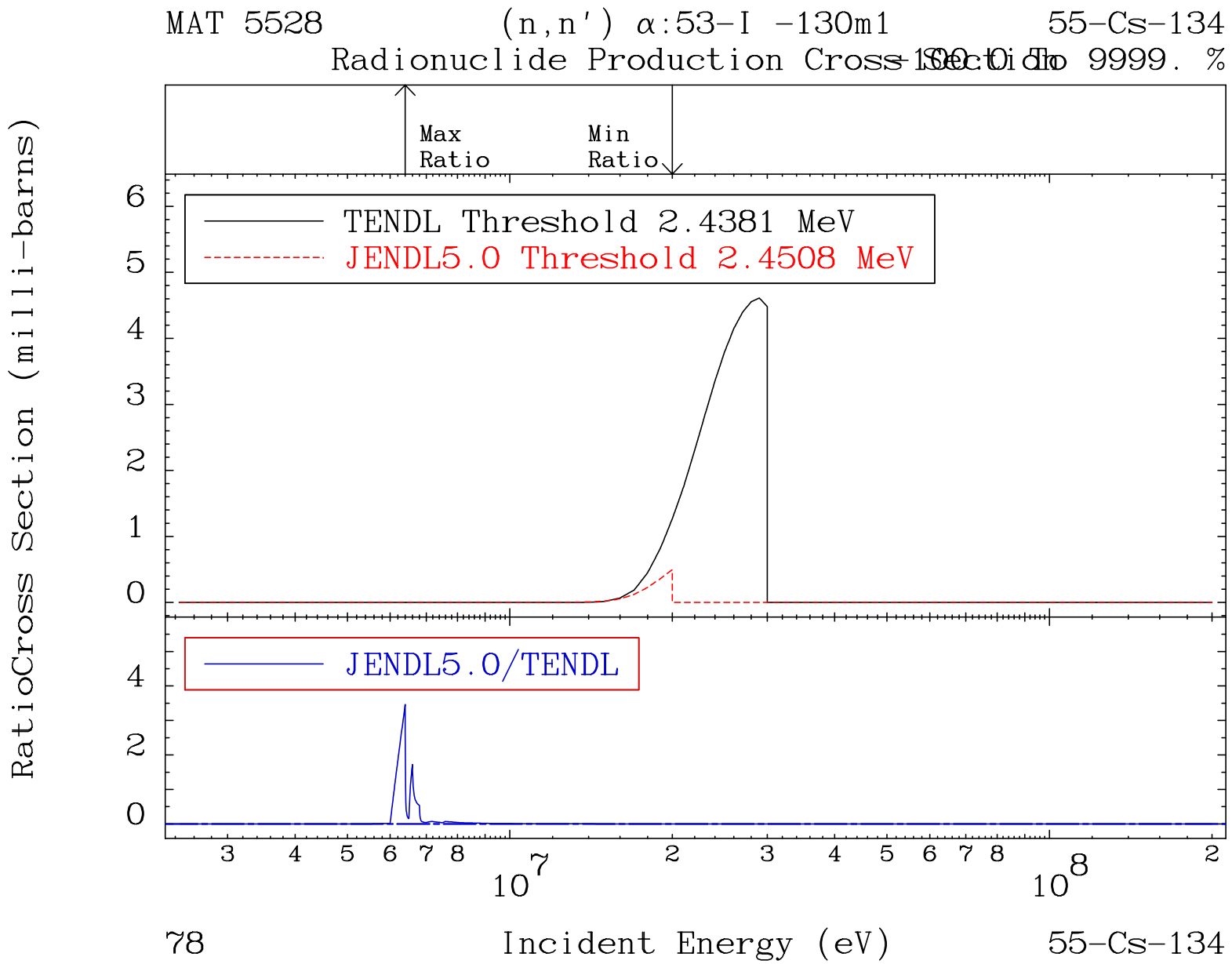

MAT 5528
Dpa elastic (mt2)
Cross Section
55-Cs-134
-76.33 To 65.21 %
Min
Ratio
Max
Ratio
TENDL Threshold 820.00 eV
JENDL5.0 Threshold 785.00 eV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
73
55-Cs-134

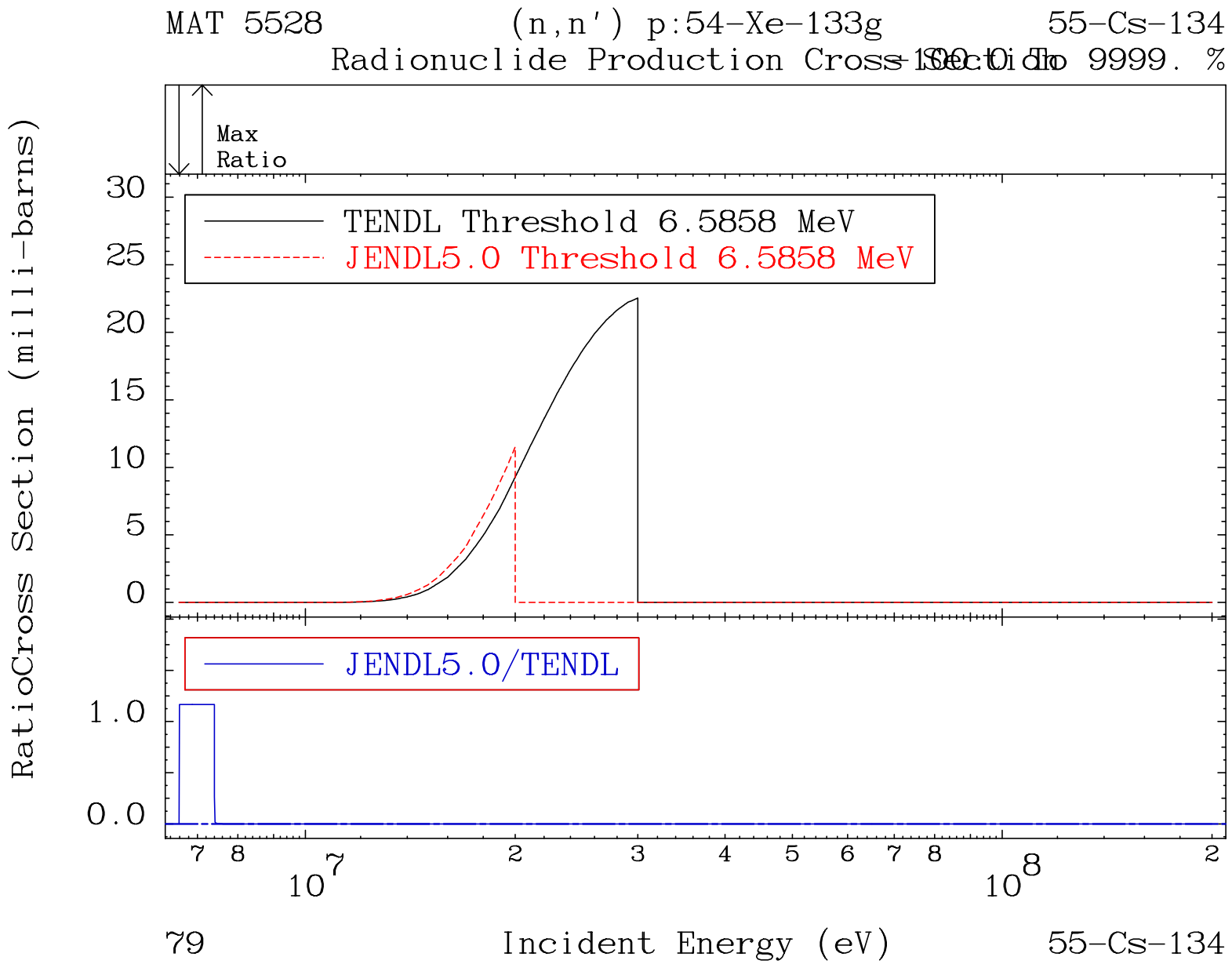

MAT 5528
Dpa inelastic (mt51-91)
55-Cs-134
Cross Section -100.0 To 71.03 %
Max Ratio
Min Ratio
TENDL Threshold 11.329 keV
JENDL5.0 Threshold 11.329 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
74
55-Cs-134

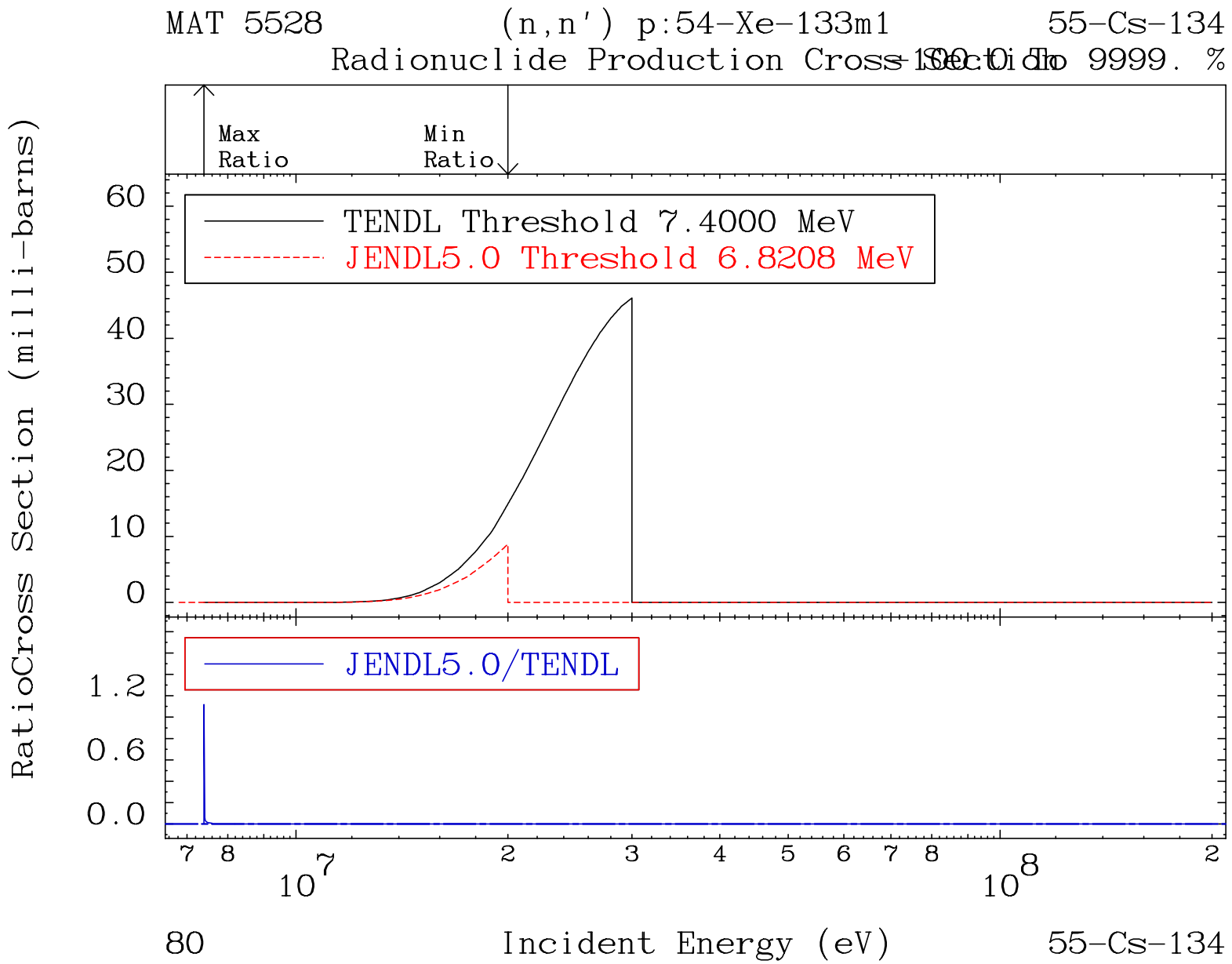

MAT 5528 Dpa disappearance (mt102 -120) 55-Cs-134
Cross Section -100.0 To 9479. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
75
55-Cs-134

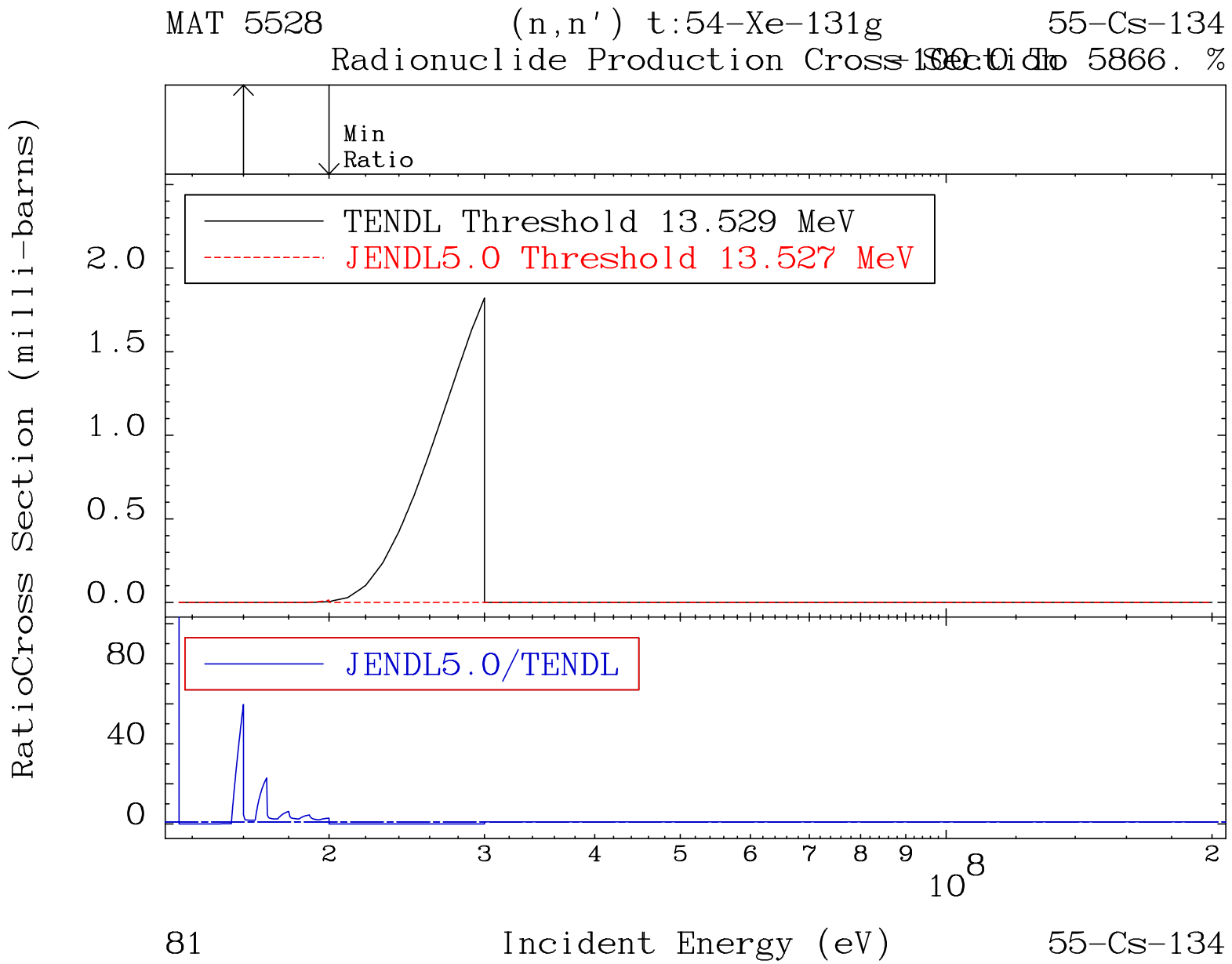

MAT 5528
Inelastic:55-Cs-134m3
55-Cs-134
Radionuclide Production Cross Section To 921.3 %
Max
Ratio
TENDL Threshold 139.79 keV
JENDL5.0 Threshold 139.79 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
12
6
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
76
Incident Energy (eV)
55-Cs-134

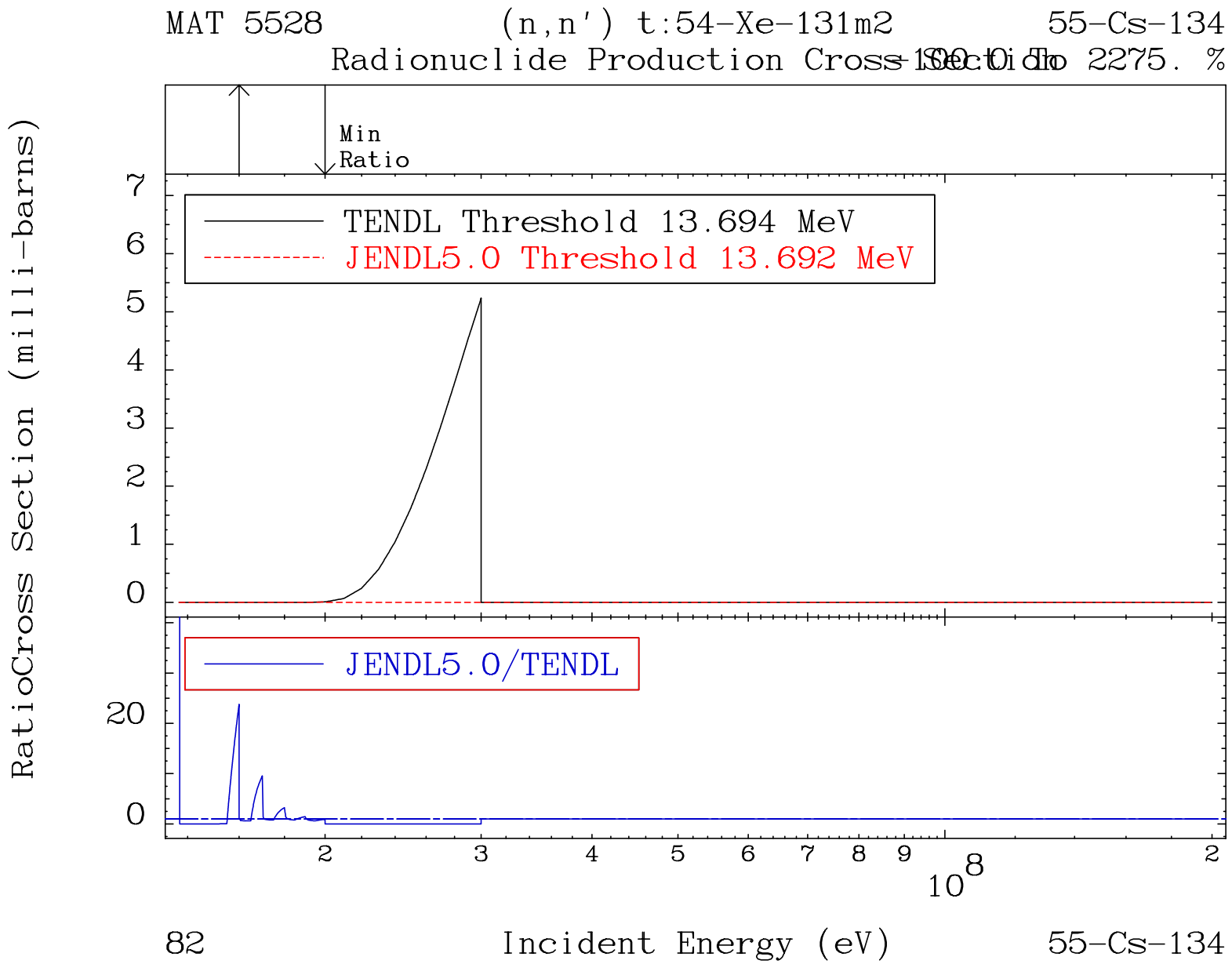

MAT 5528
(n,n') α:53-I -130g
55-Cs-134
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 2.3978 MeV
JENDL5.0 Threshold 2.4508 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
77
55-Cs-134

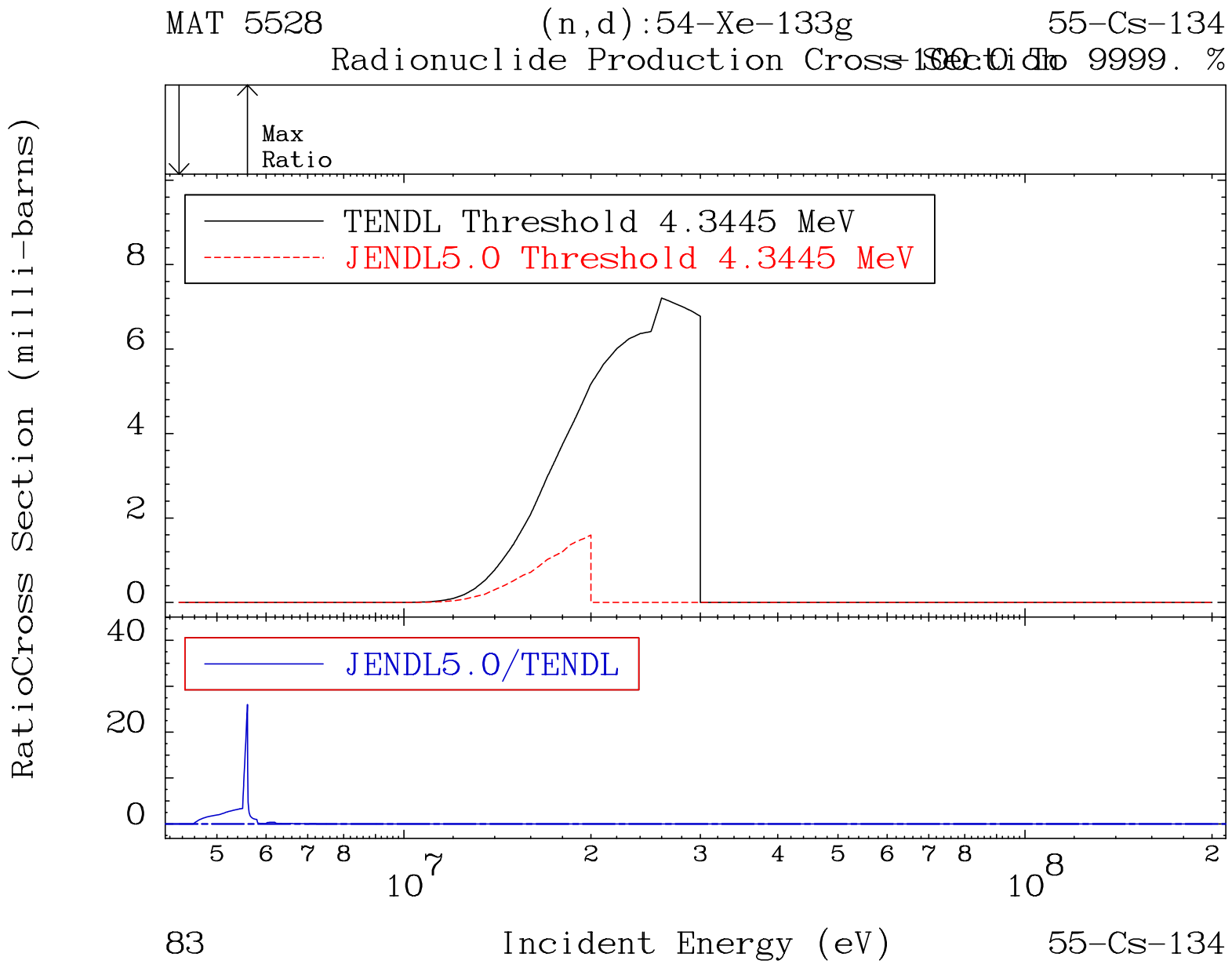

MAT 5528
(n,n') α:53-I -130m1
55-Cs-134
Radionuclide Production Cross Section
Uncertainty 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.4381 MeV
JENDL5.0 Threshold 2.4508 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
78
55-Cs-134

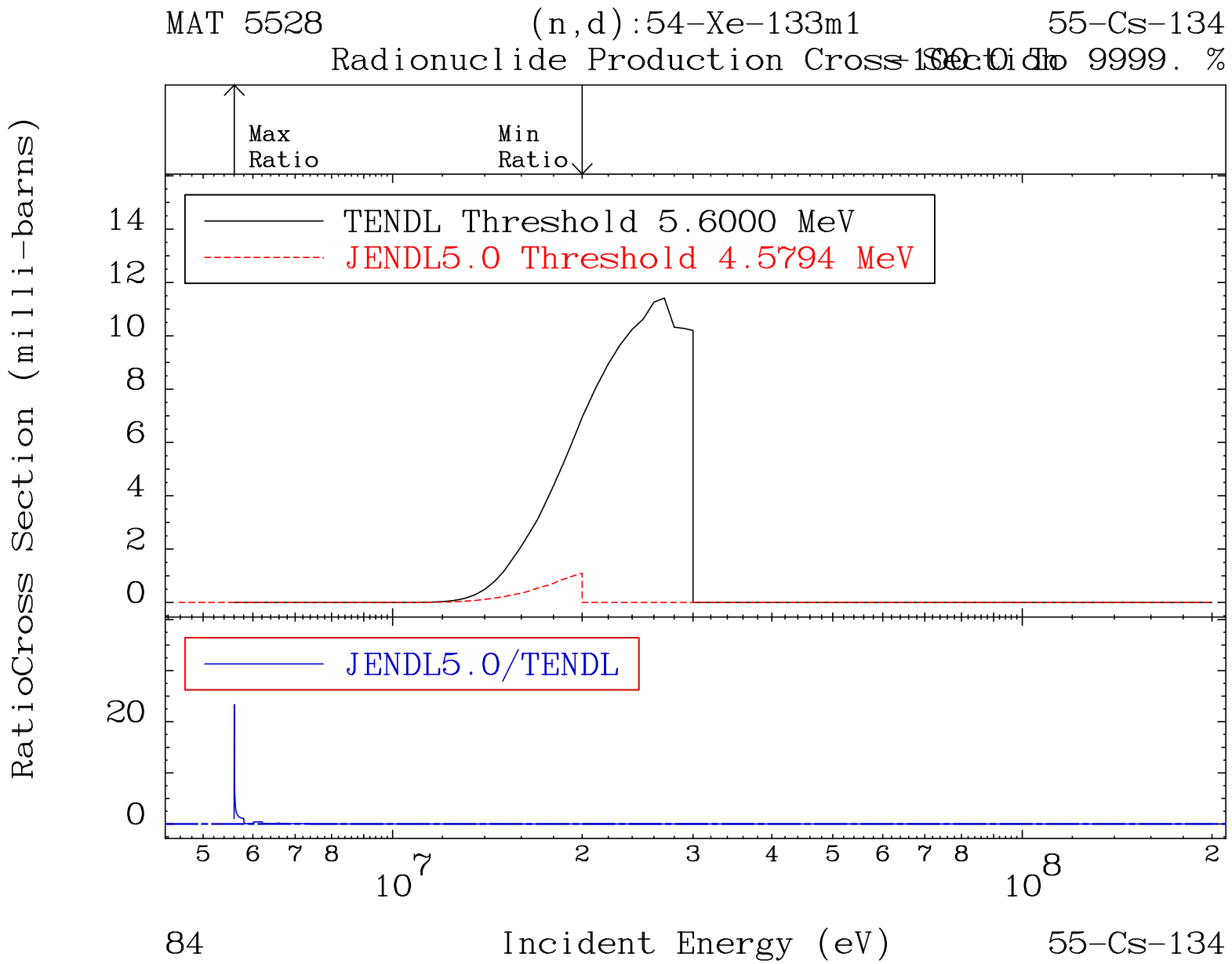

MAT 5528
(n,n') p:54-Xe-133g
55-Cs-134
Radionuclide Production Cross Section To 9999. %
Max
Ratio
30
25
20
15
10
5
0
TENDL Threshold 6.5858 MeV
JENDL5.0 Threshold 6.5858 MeV
JENDL5.0/TENDL
1.0
0.0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
RatioCross Section (milli-barns)
79
Incident Energy (eV)
55-Cs-134


MAT 5528
(n,n') p:54-Xe-133m1
55-Cs-134
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.4000 MeV
JENDL5.0 Threshold 6.8208 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
80
Incident Energy (eV)
55-Cs-134


MAT 5528
(n,n') t:54-Xe-131g
55-Cs-134
Radionuclide Production Cross Section To 5866. %
Min
Ratio
TENDL Threshold 13.529 MeV
JENDL5.0 Threshold 13.527 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
80
40
0
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
55-Cs-134


MAT 5528
(n,n') t:54-Xe-131m2
55-Cs-134
Radionuclide Production Cross Section
Min
Ratio
TENDL Threshold 13.694 MeV
JENDL5.0 Threshold 13.692 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
82
55-Cs-134


MAT 5528
(n,d):54-Xe-133g
55-Cs-134
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 4.3445 MeV
JENDL5.0 Threshold 4.3445 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
83
55-Cs-134


MAT 5528
(n,d):54-Xe-133m1
55-Cs-134
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.6000 MeV
JENDL5.0 Threshold 4.5794 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
20
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
84
Incident Energy (eV)
55-Cs-134