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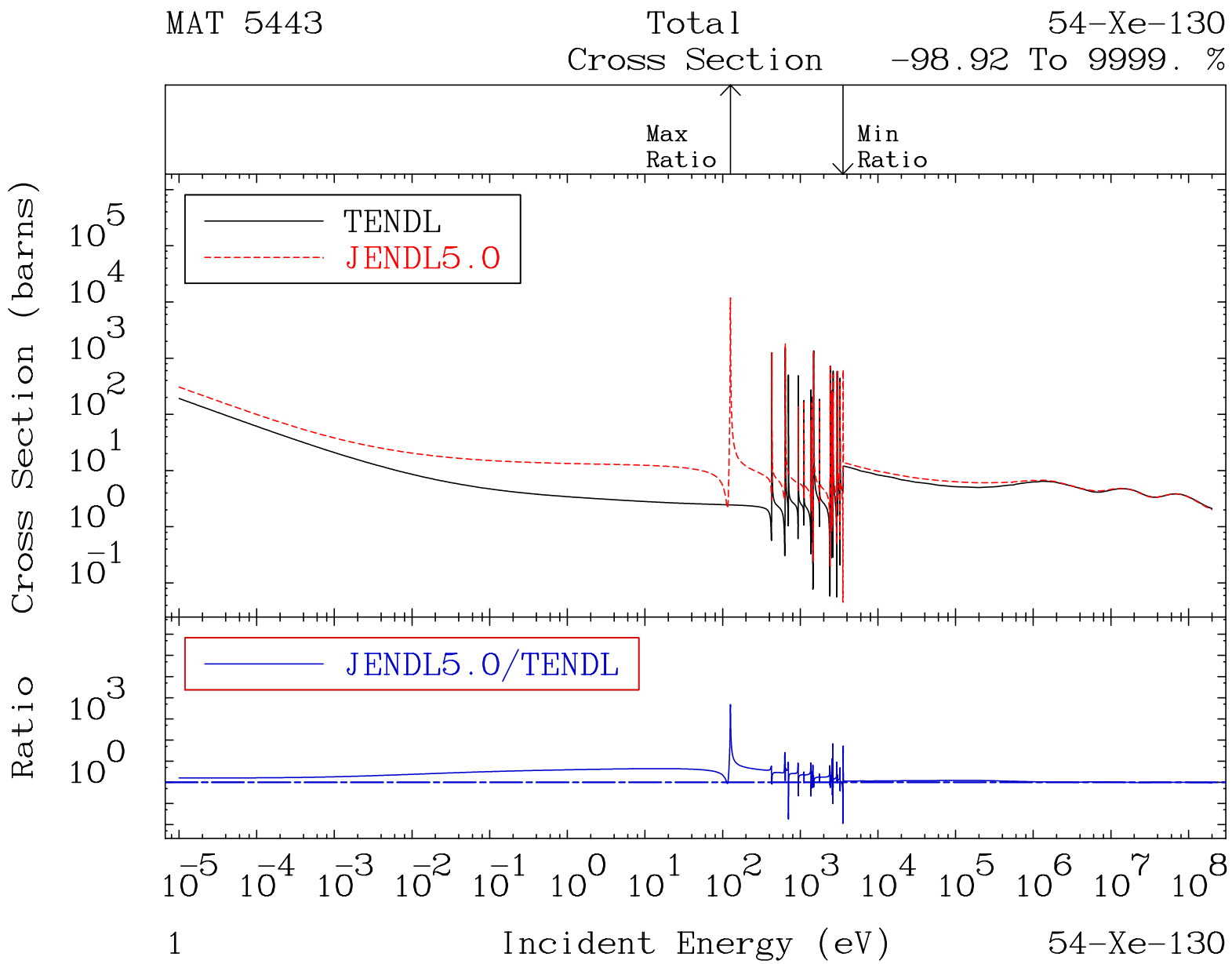
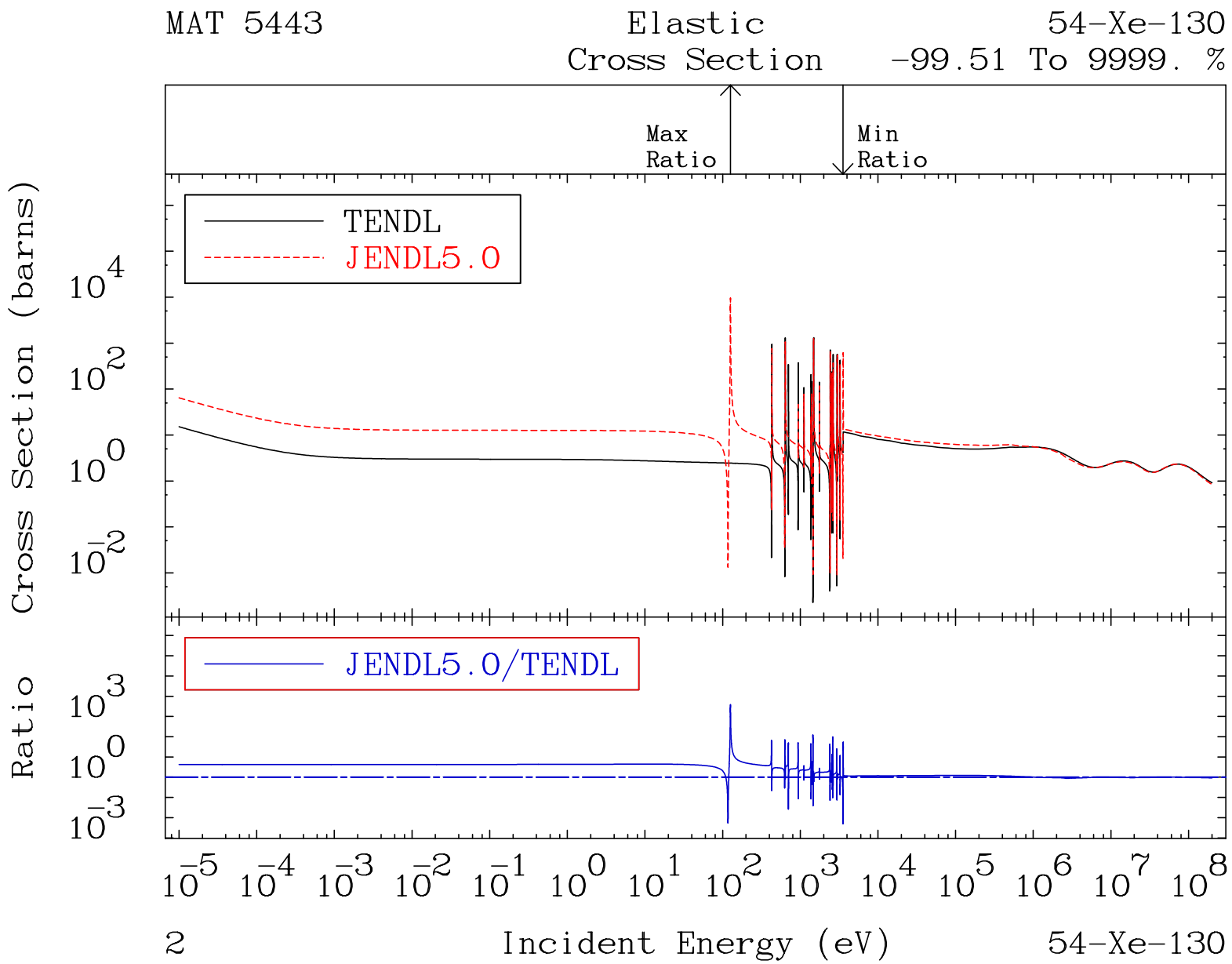
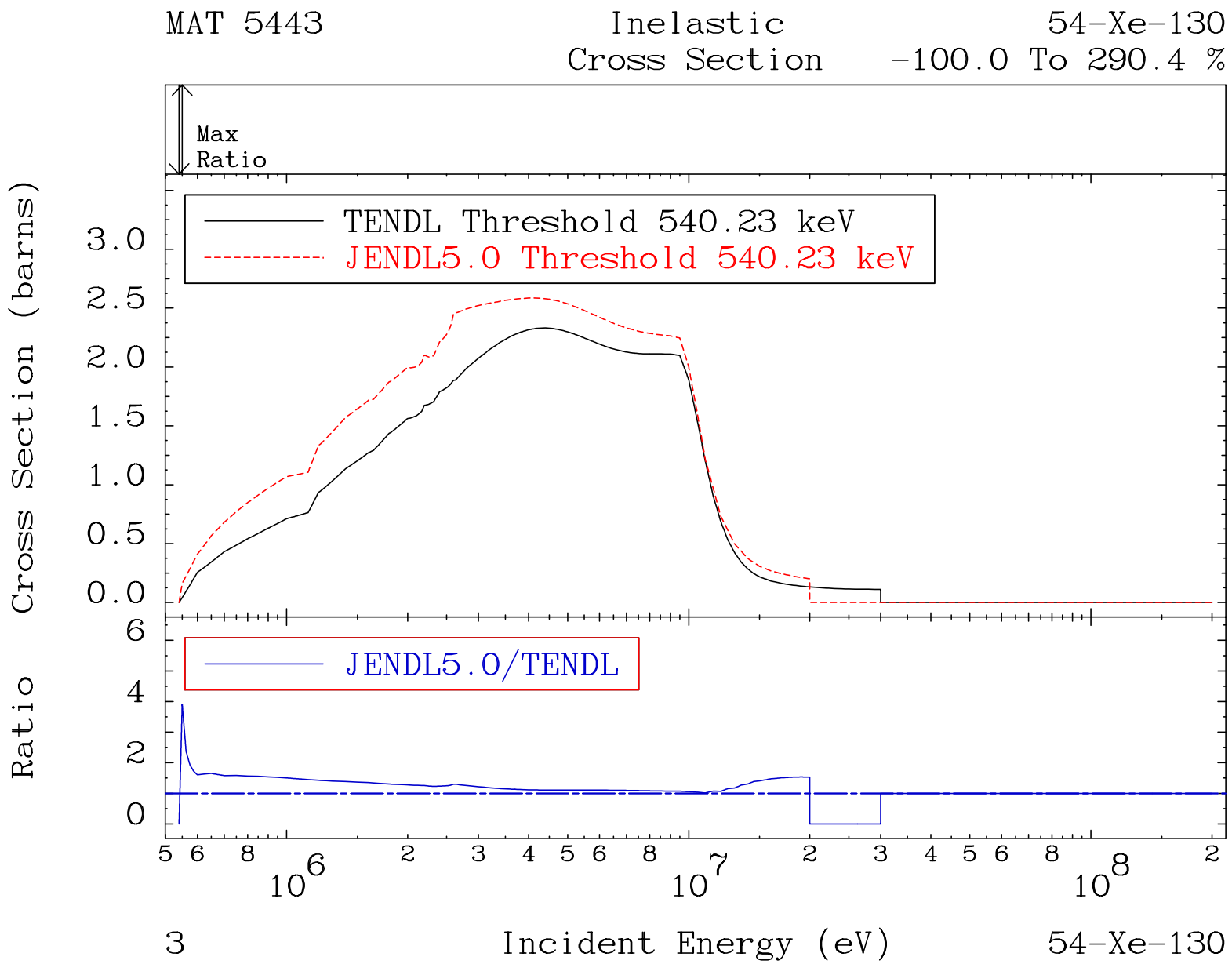
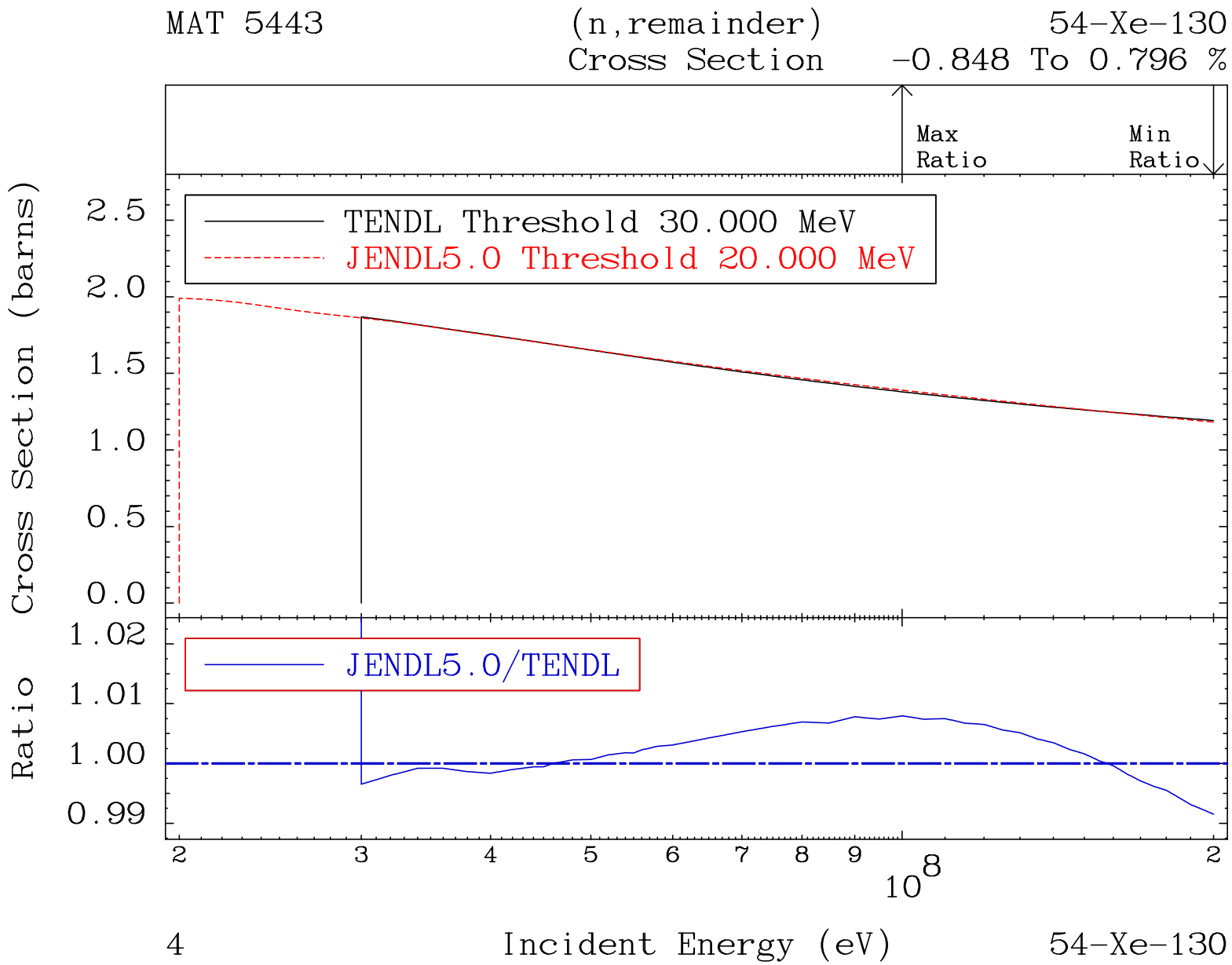
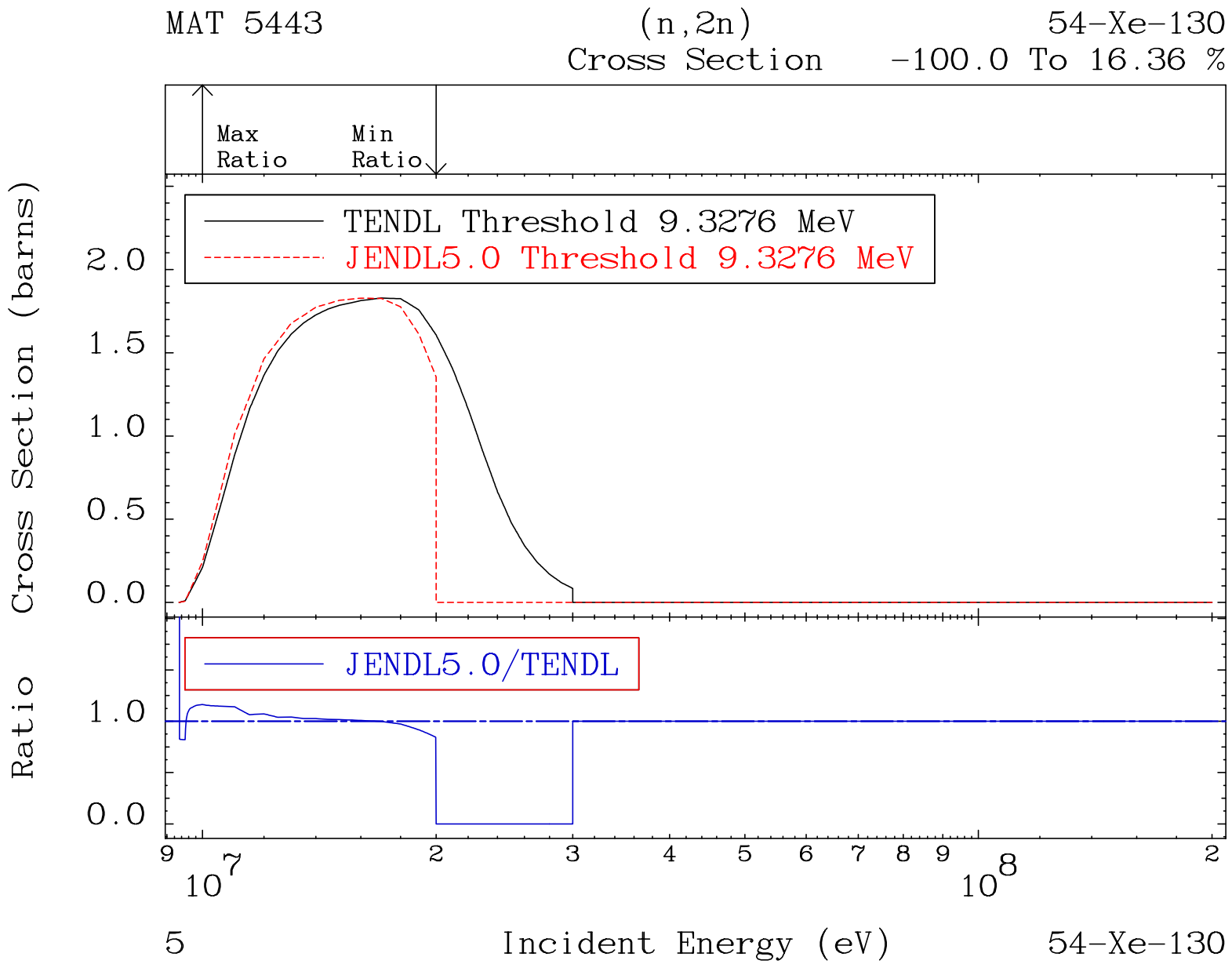
Press Mouse Button to Start

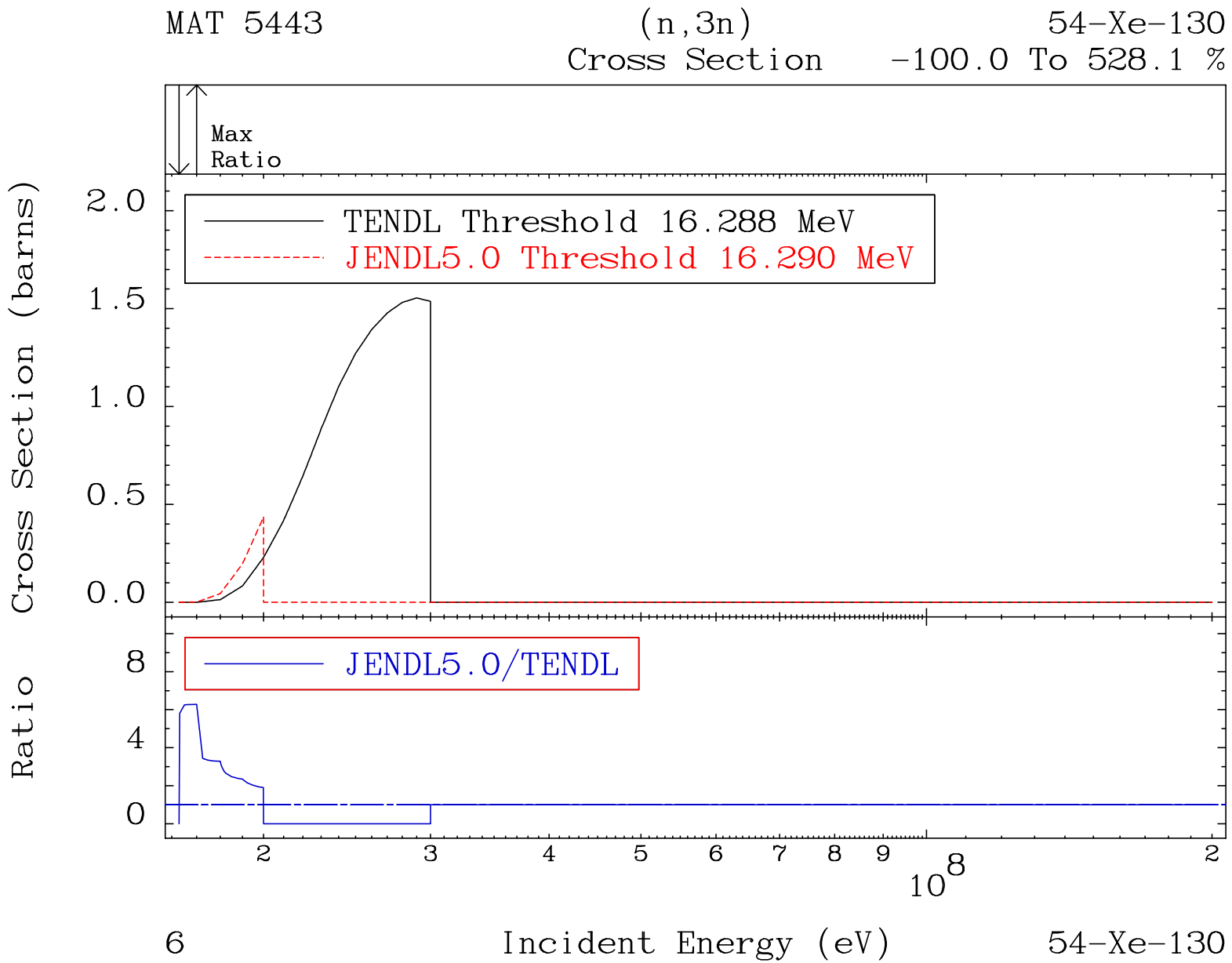

MAT 5443
Total
Cross Section
54-Xe-130
-98.92 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
54-Xe-130

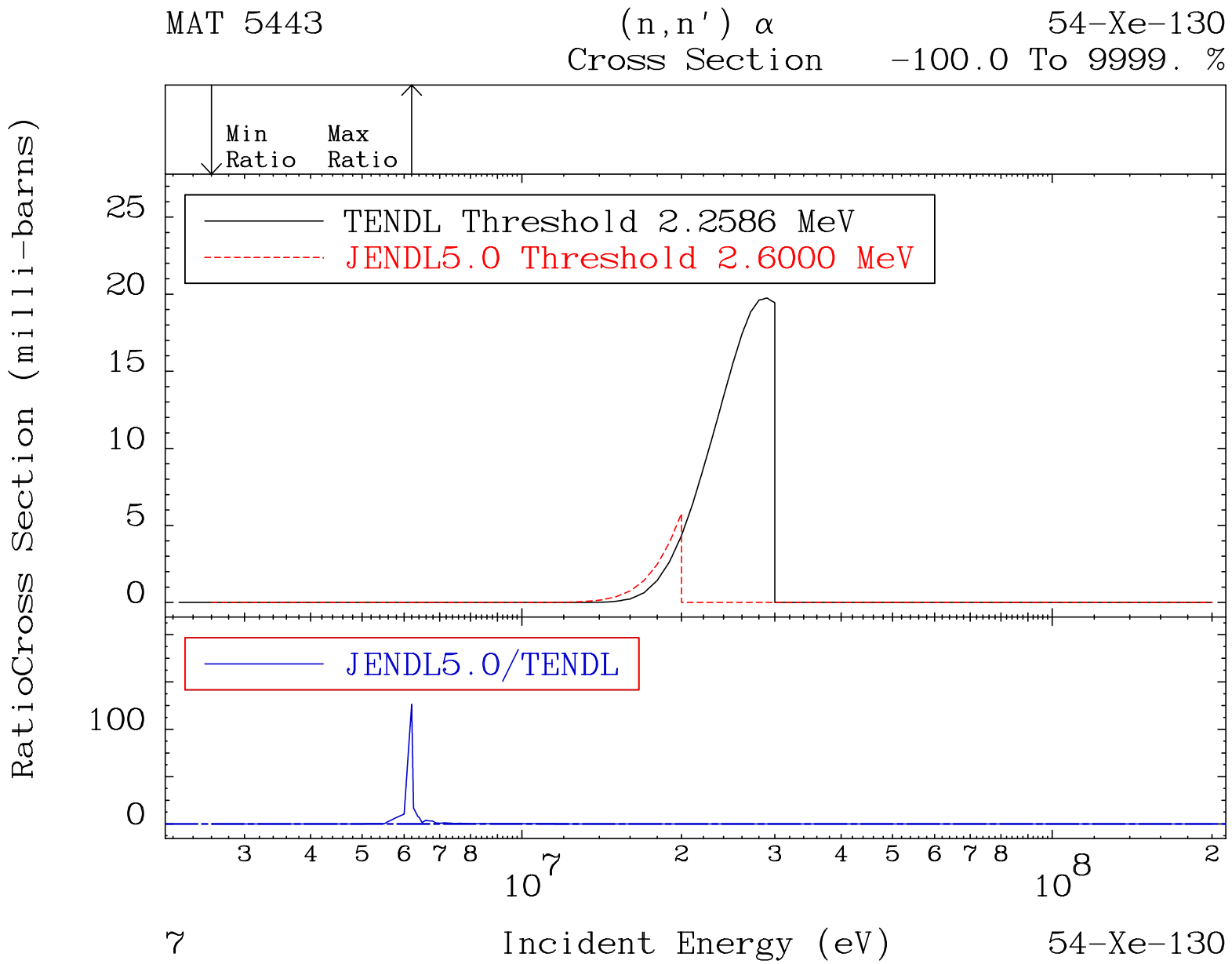

MAT 5443
Elastic
Cross Section
54-Xe-130
-99.51 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
54-Xe-130

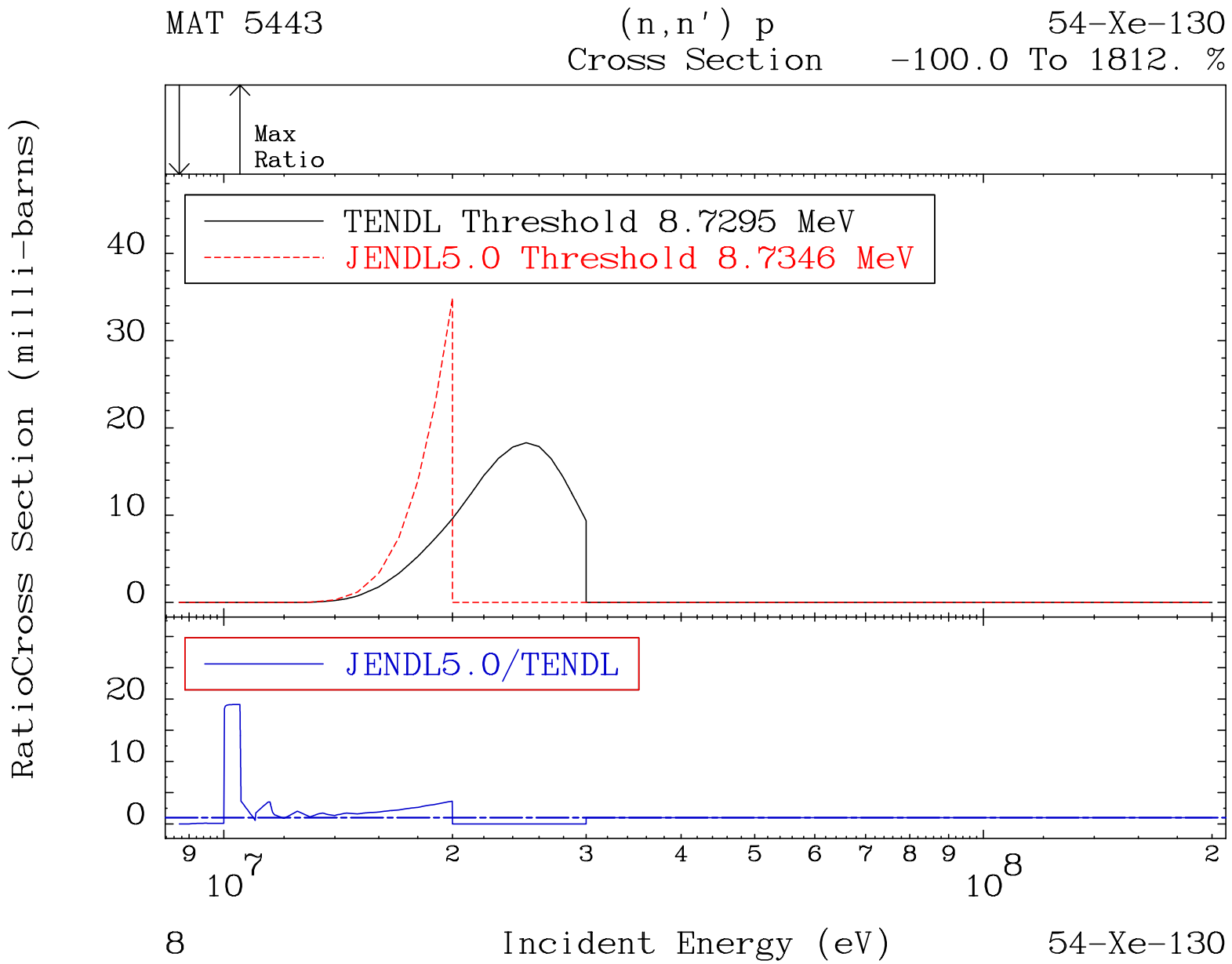

MAT 5443
Inelastic
Cross Section
54-Xe-130
-100.0 To 290.4 %
Max
Ratio
TENDL Threshold 540.23 keV
JENDL5.0 Threshold 540.23 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
54-Xe-130

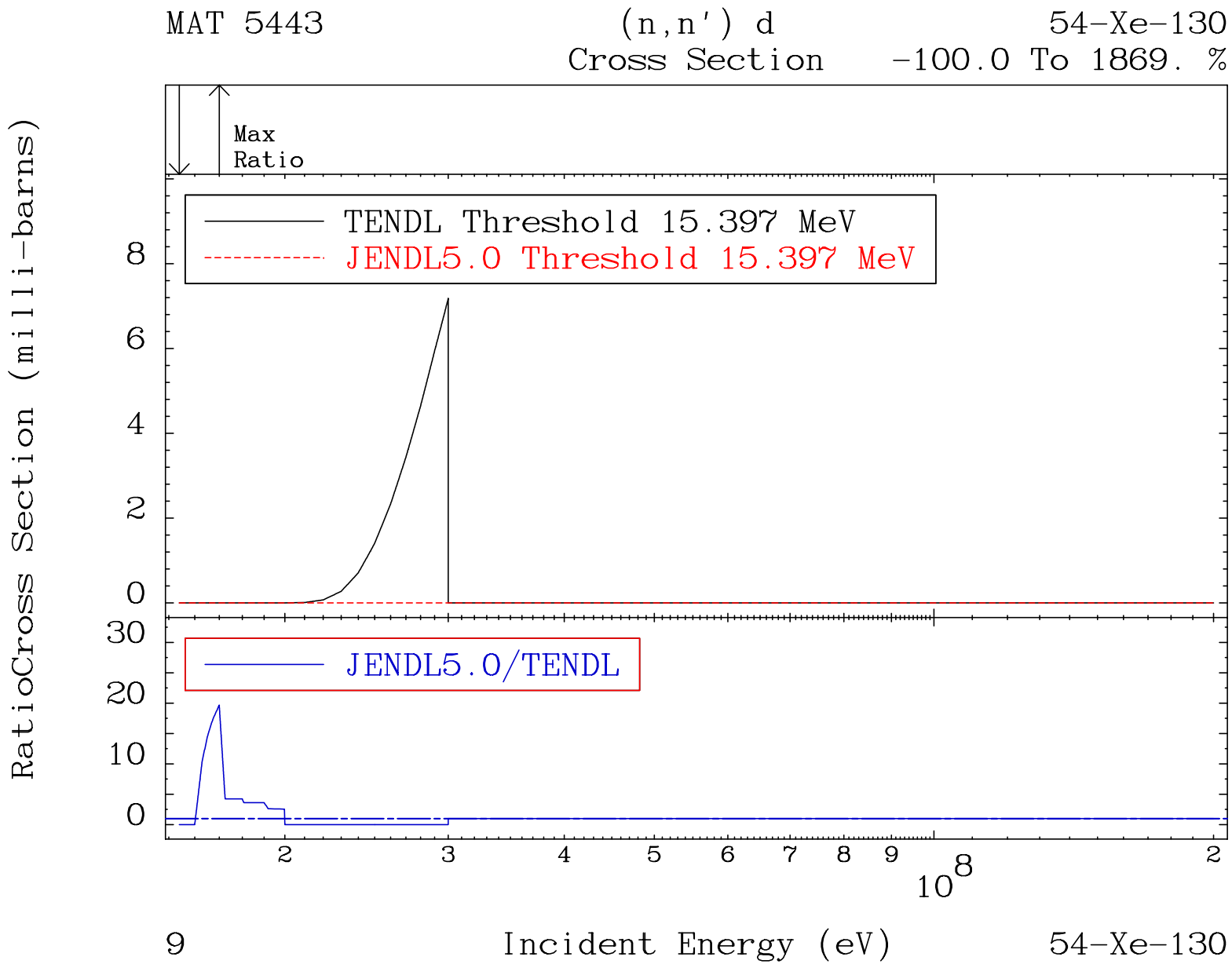

MAT 5443
(n,remainder)
Cross Section
54-Xe-130
-0.848 To 0.796 %
Max Ratio
Min Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.02
1.01
1.00
0.99
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
54-Xe-130

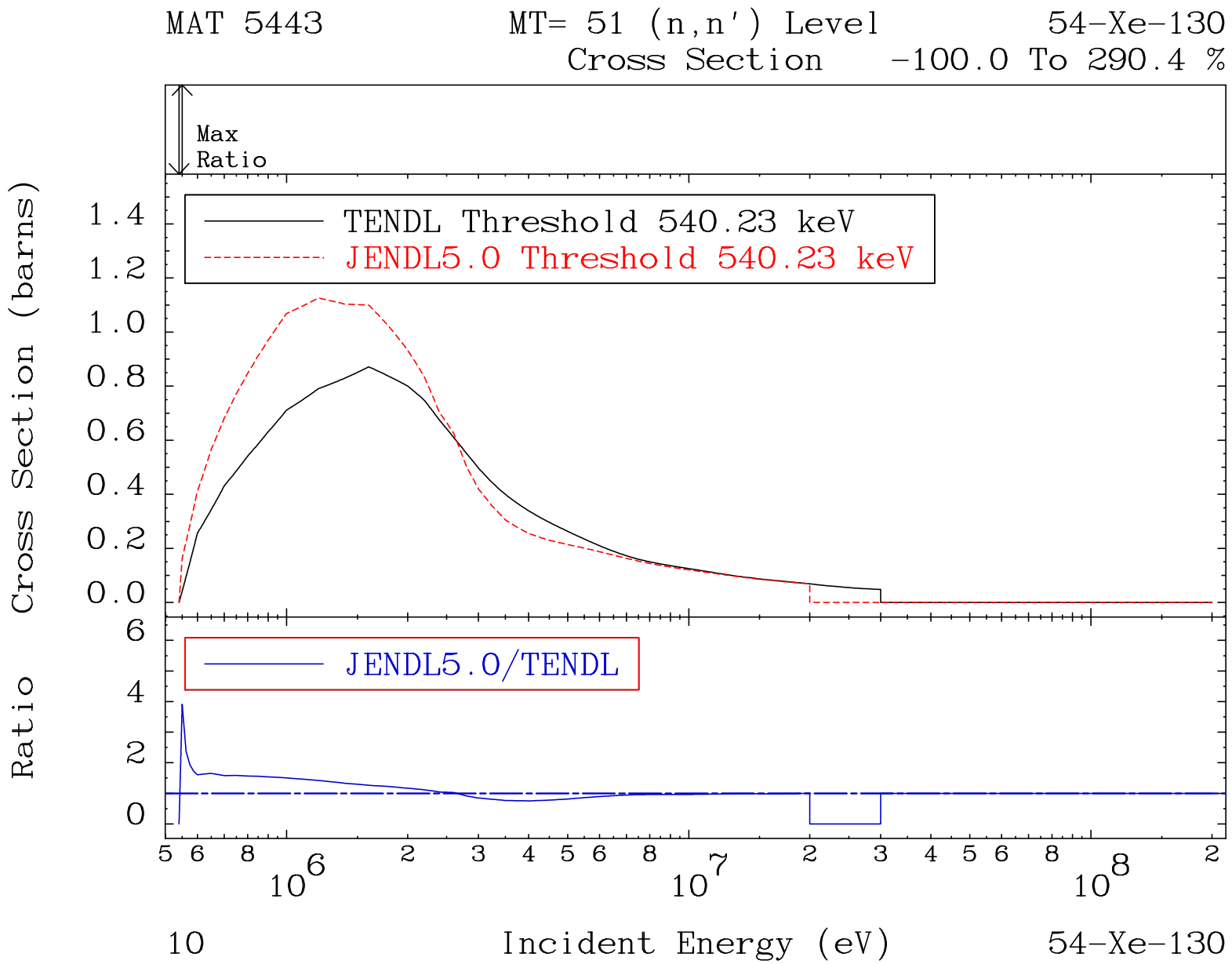

MAT 5443
(n,2n)
Cross Section
54-Xe-130
-100.0 To 16.36 %
Max Ratio
Min Ratio
TENDL Threshold 9.3276 MeV
JENDL5.0 Threshold 9.3276 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
54-Xe-130

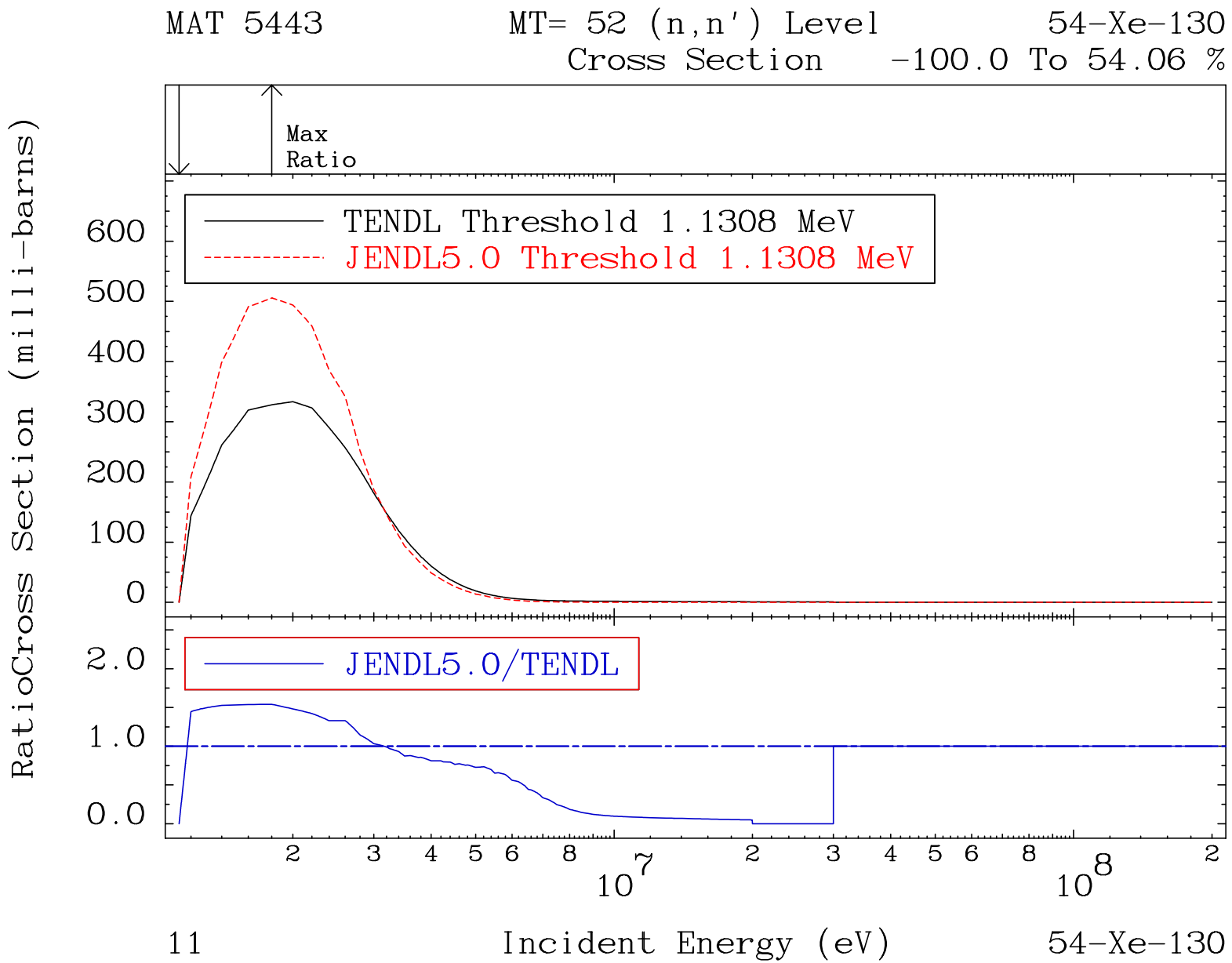

MAT 5443
(n,3n)
54-Xe-130
Cross Section
-100.0 To 528.1 %
Max
Ratio
TENDL Threshold 16.288 MeV
JENDL5.0 Threshold 16.290 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
54-Xe-130

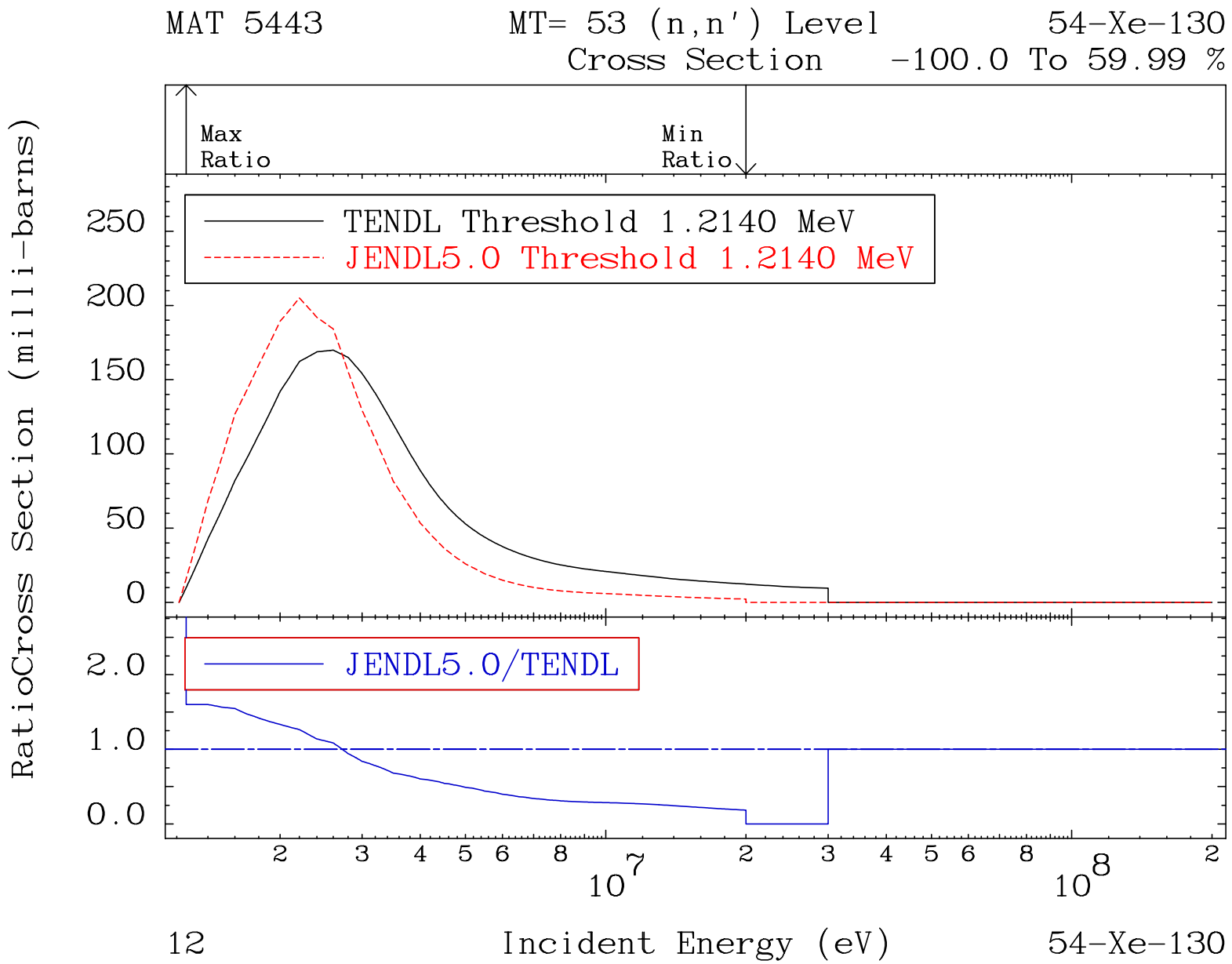

MAT 5443
(n,n') α
54-Xe-130
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.2586 MeV
JENDL5.0 Threshold 2.6000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
100
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
7
Incident Energy (eV)
54-Xe-130

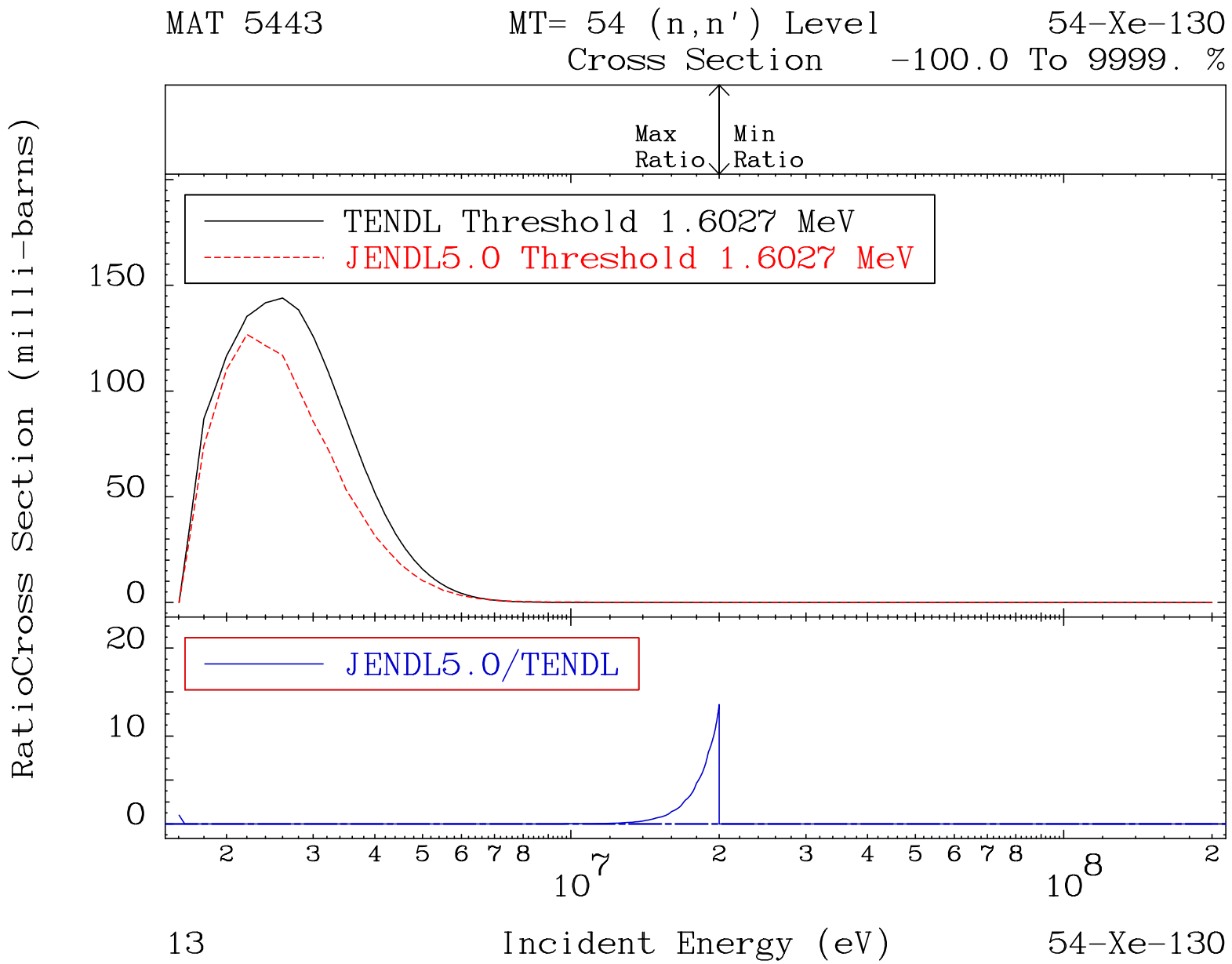

MAT 5443
(n,n') p
Cross Section
54-Xe-130
-100.0 To 1812. %
Max
Ratio
TENDL Threshold 8.7295 MeV
JENDL5.0 Threshold 8.7346 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
20
10
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
54-Xe-130

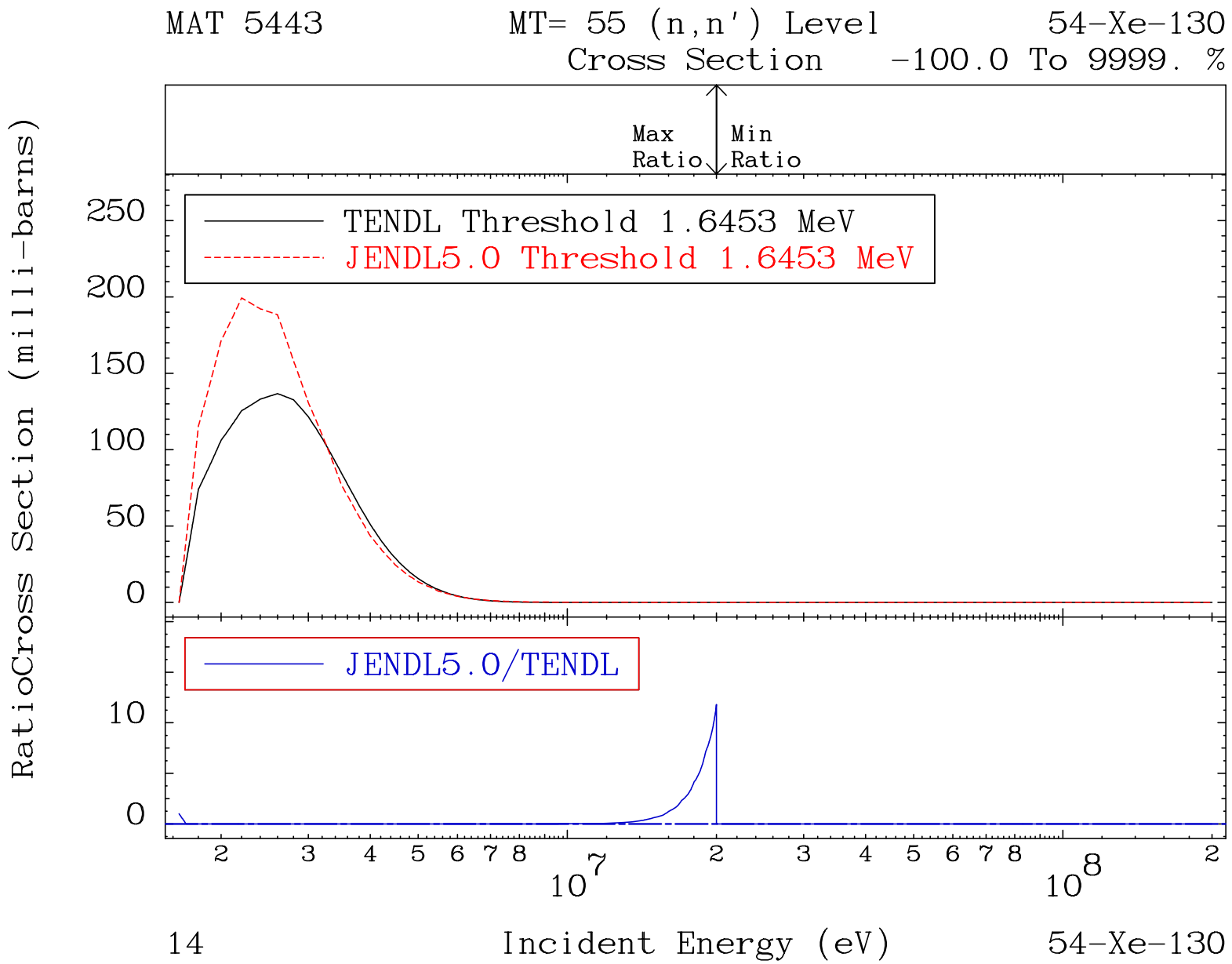

MAT 5443
(n,n') d
Cross Section
54-Xe-130
-100.0 To 1869. %
Max
Ratio
TENDL Threshold 15.397 MeV
JENDL5.0 Threshold 15.397 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
9
54-Xe-130

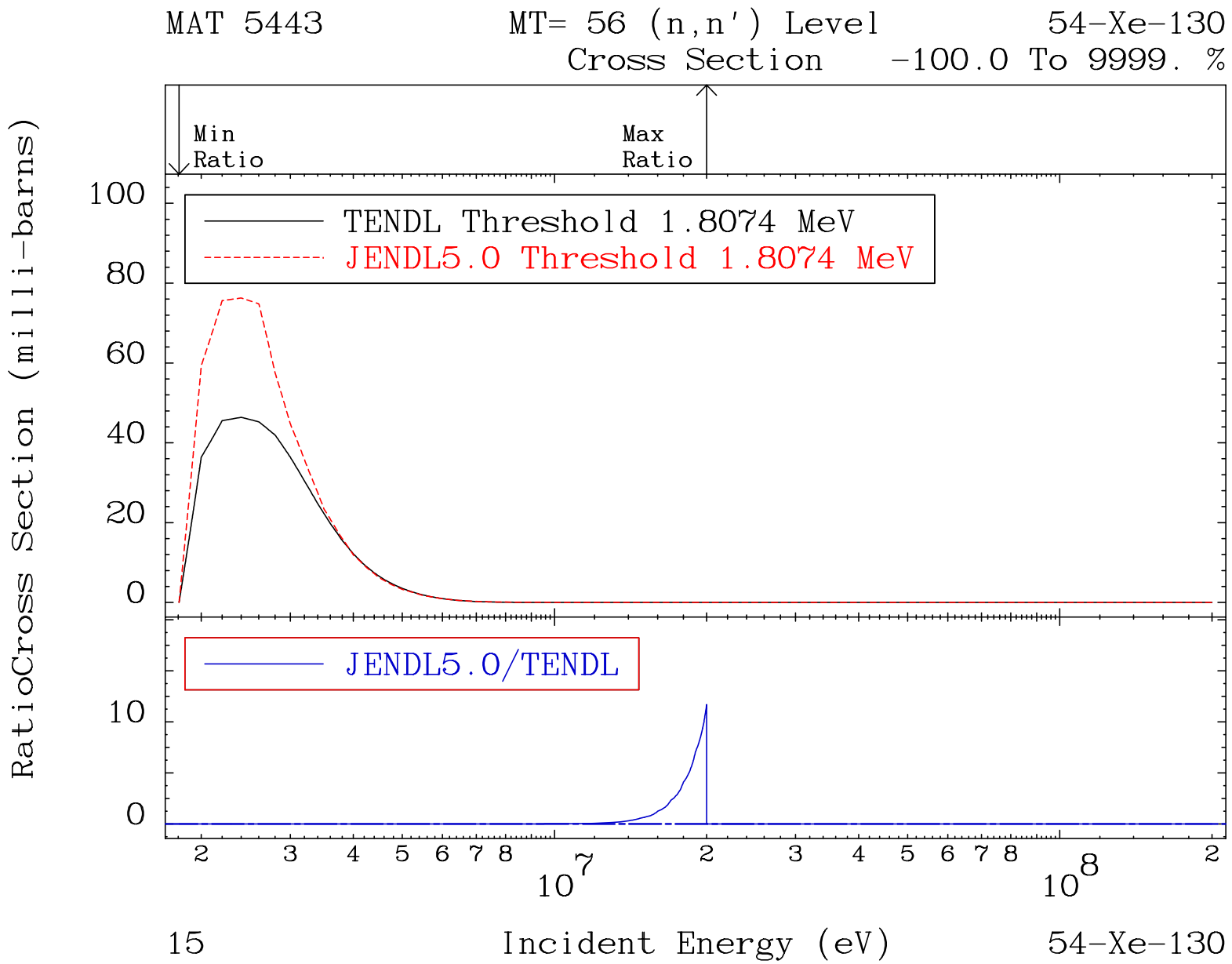

MAT 5443
MT= 51 (n,n') Level
54-Xe-130
Cross Section -100.0 To 290.4 %
Max
Ratio
TENDL Threshold 540.23 keV
JENDL5.0 Threshold 540.23 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
10
54-Xe-130

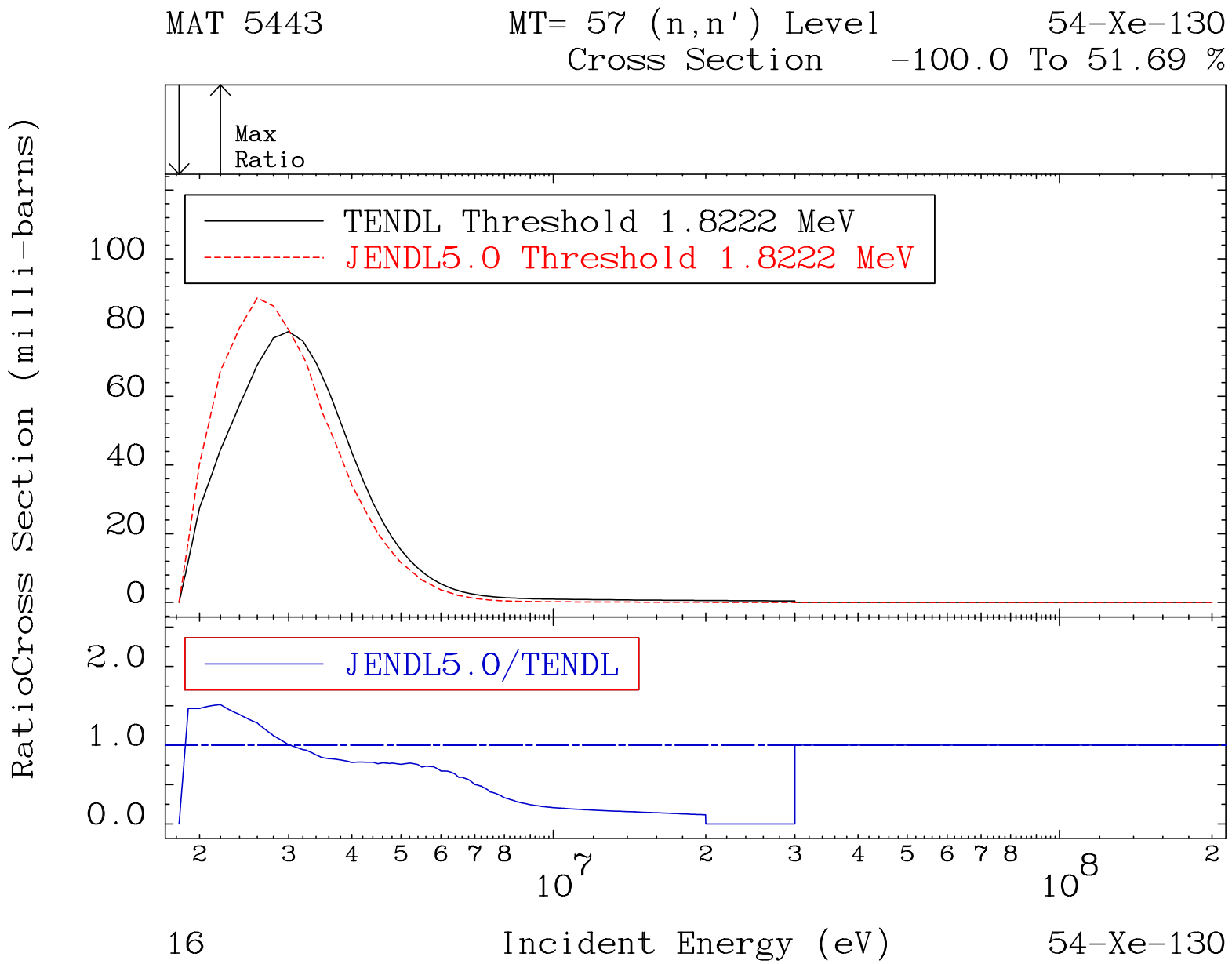

MAT 5443
MT= 52 (n,n') Level
54-Xe-130
Cross Section
-100.0 To 54.06 %
Max
Ratio
TENDL Threshold 1.1308 MeV
JENDL5.0 Threshold 1.1308 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
11
Incident Energy (eV)
54-Xe-130

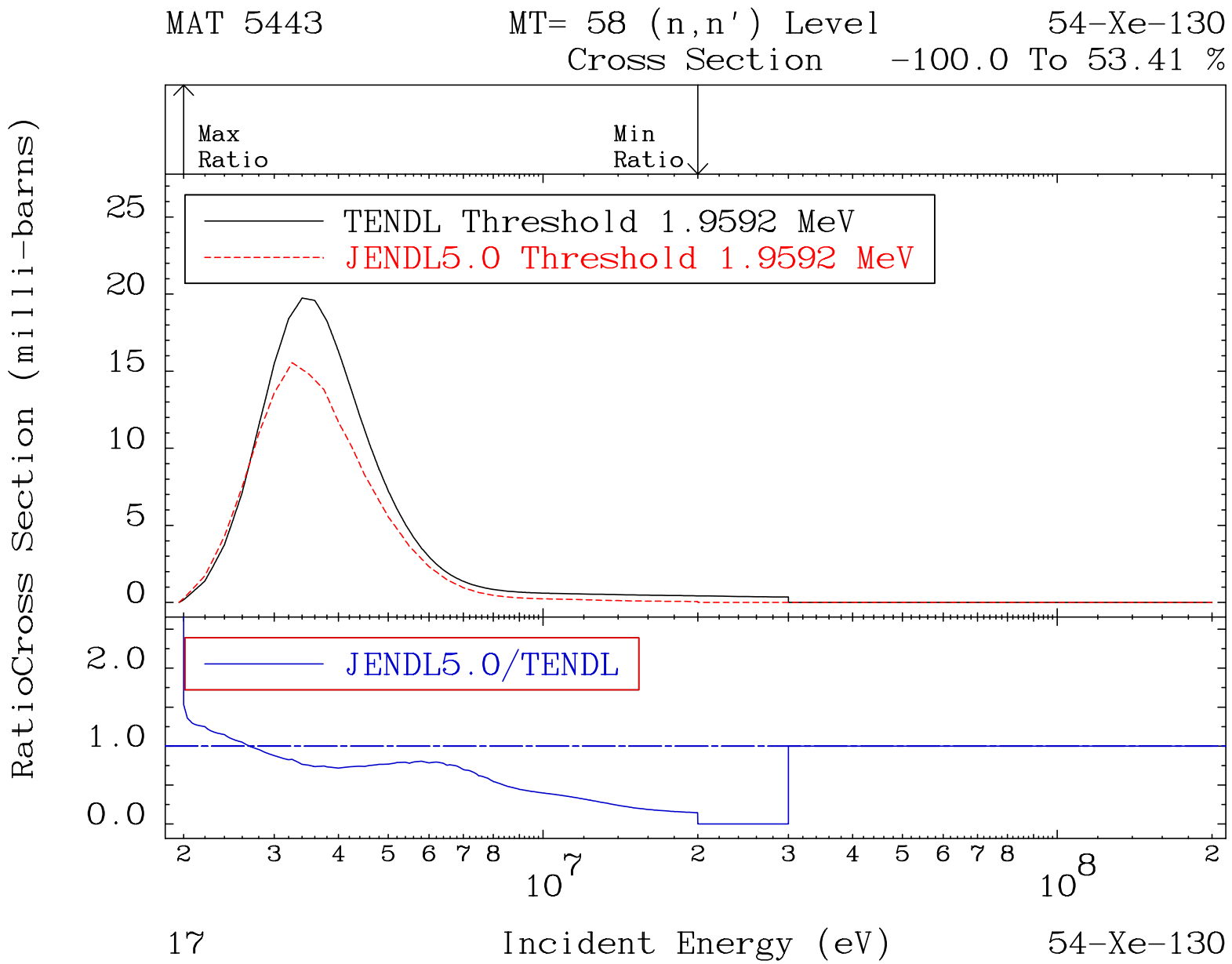

MAT 5443
MT= 53 (n,n') Level
54-Xe-130
Cross Section -100.0 To 59.99 %
Max Ratio
Min Ratio
TENDL Threshold 1.2140 MeV
JENDL5.0 Threshold 1.2140 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
54-Xe-130

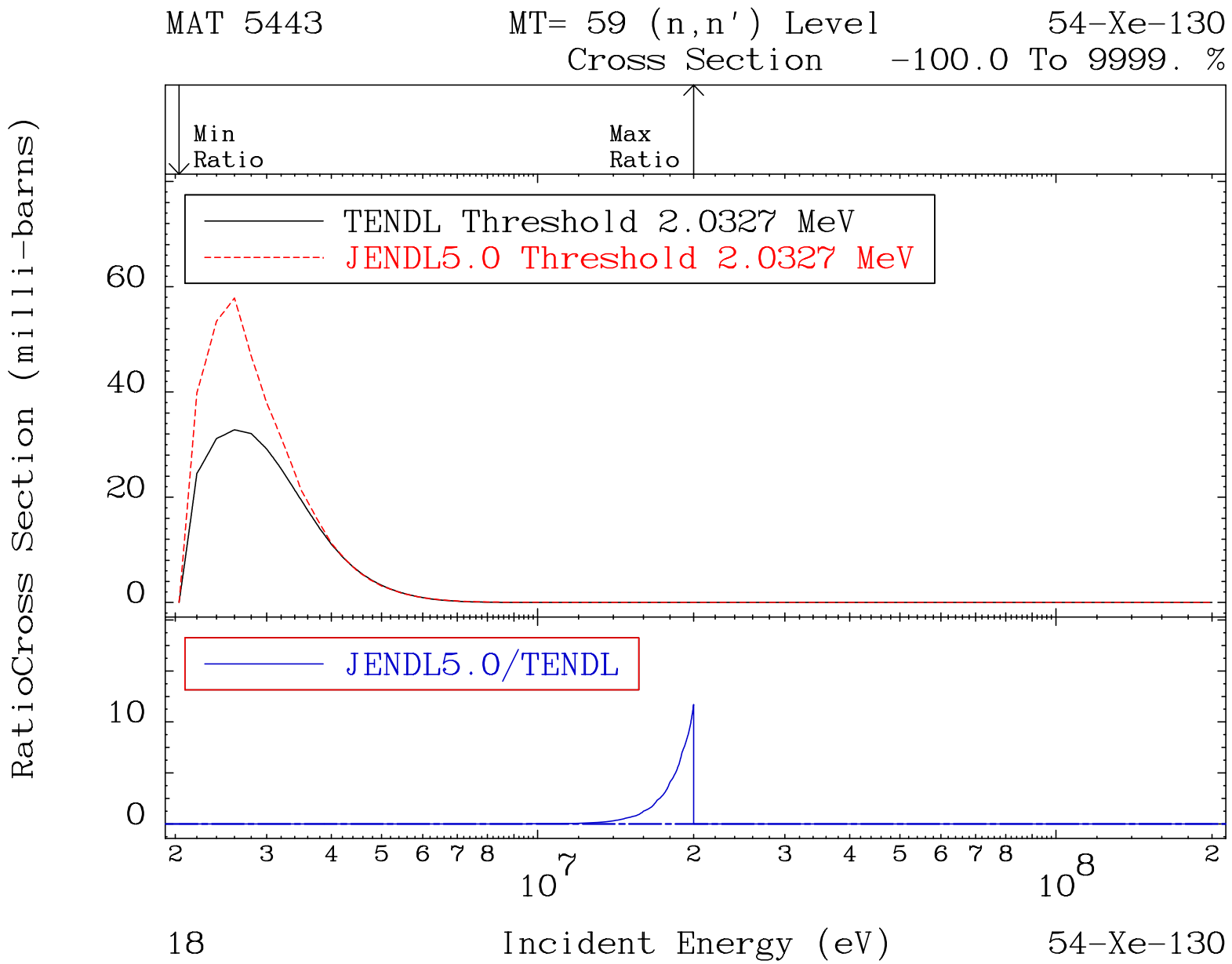

MAT 5443
MT= 54 (n,n') Level
54-Xe-130
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.6027 MeV
JENDL5.0 Threshold 1.6027 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
20
10
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
54-Xe-130

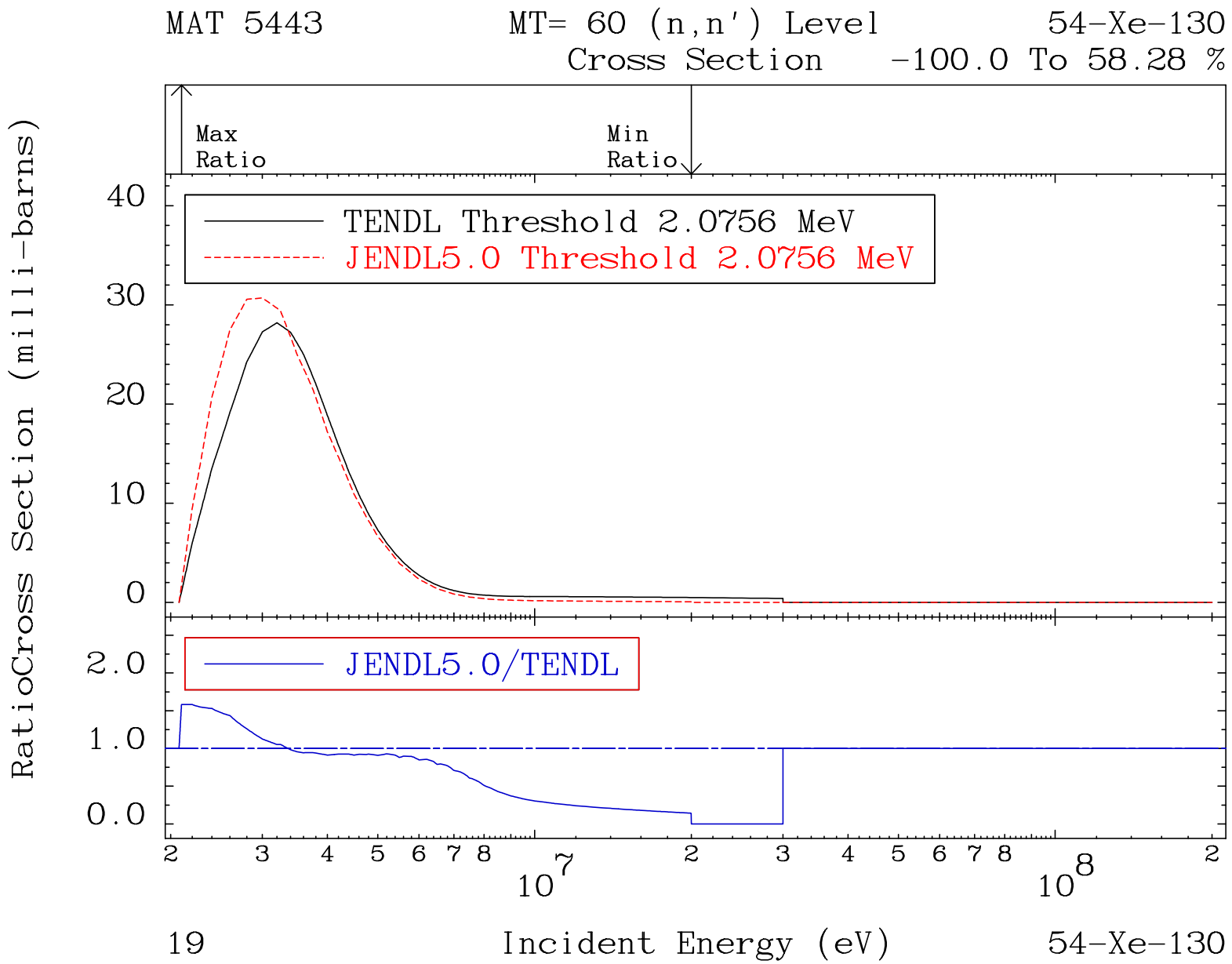

MAT 5443
MT= 55 (n,n') Level
54-Xe-130
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.6453 MeV
JENDL5.0 Threshold 1.6453 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
10
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
54-Xe-130

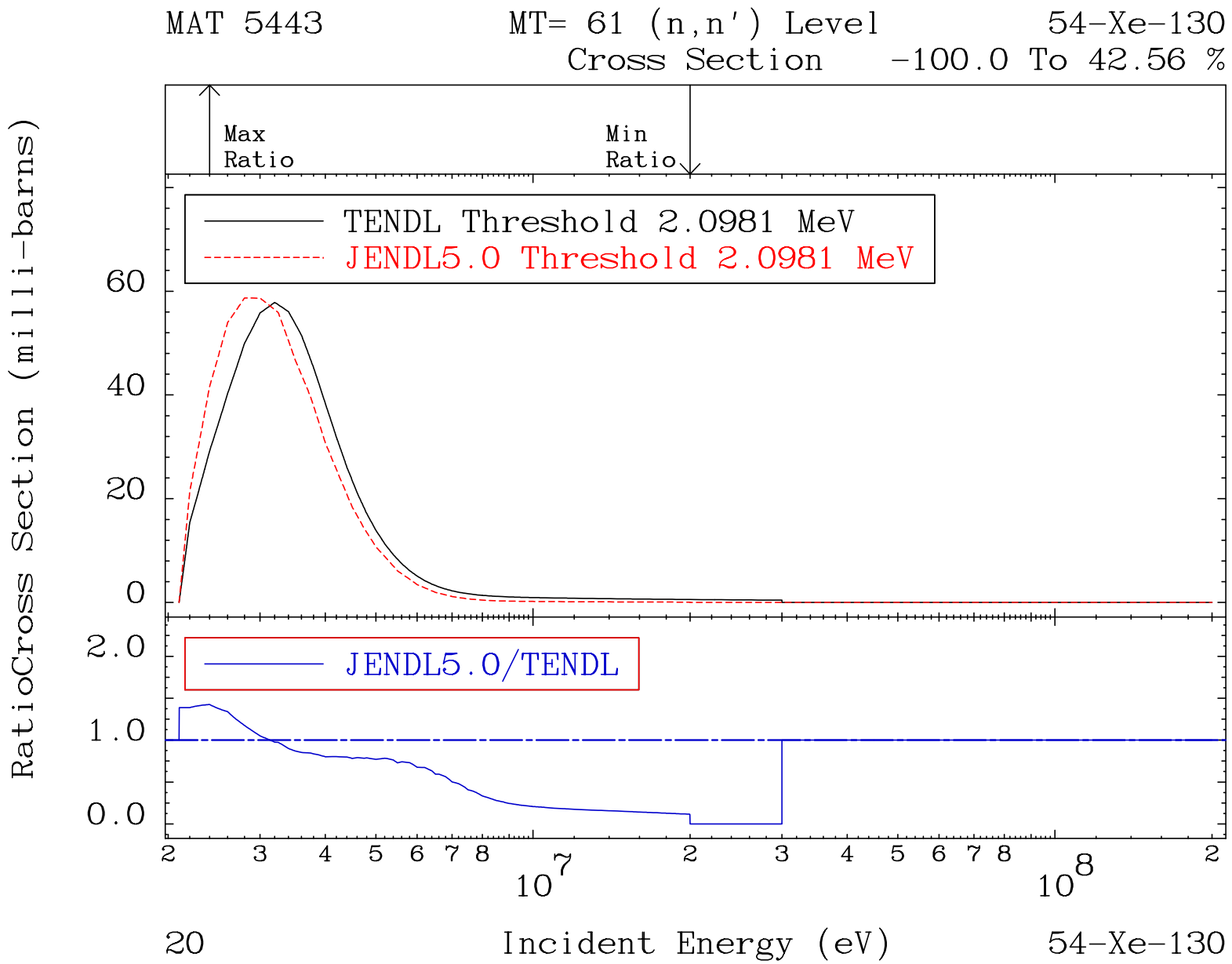

MAT 5443
MT= 56 (n,n') Level
54-Xe-130
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.8074 MeV
JENDL5.0 Threshold 1.8074 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
54-Xe-130

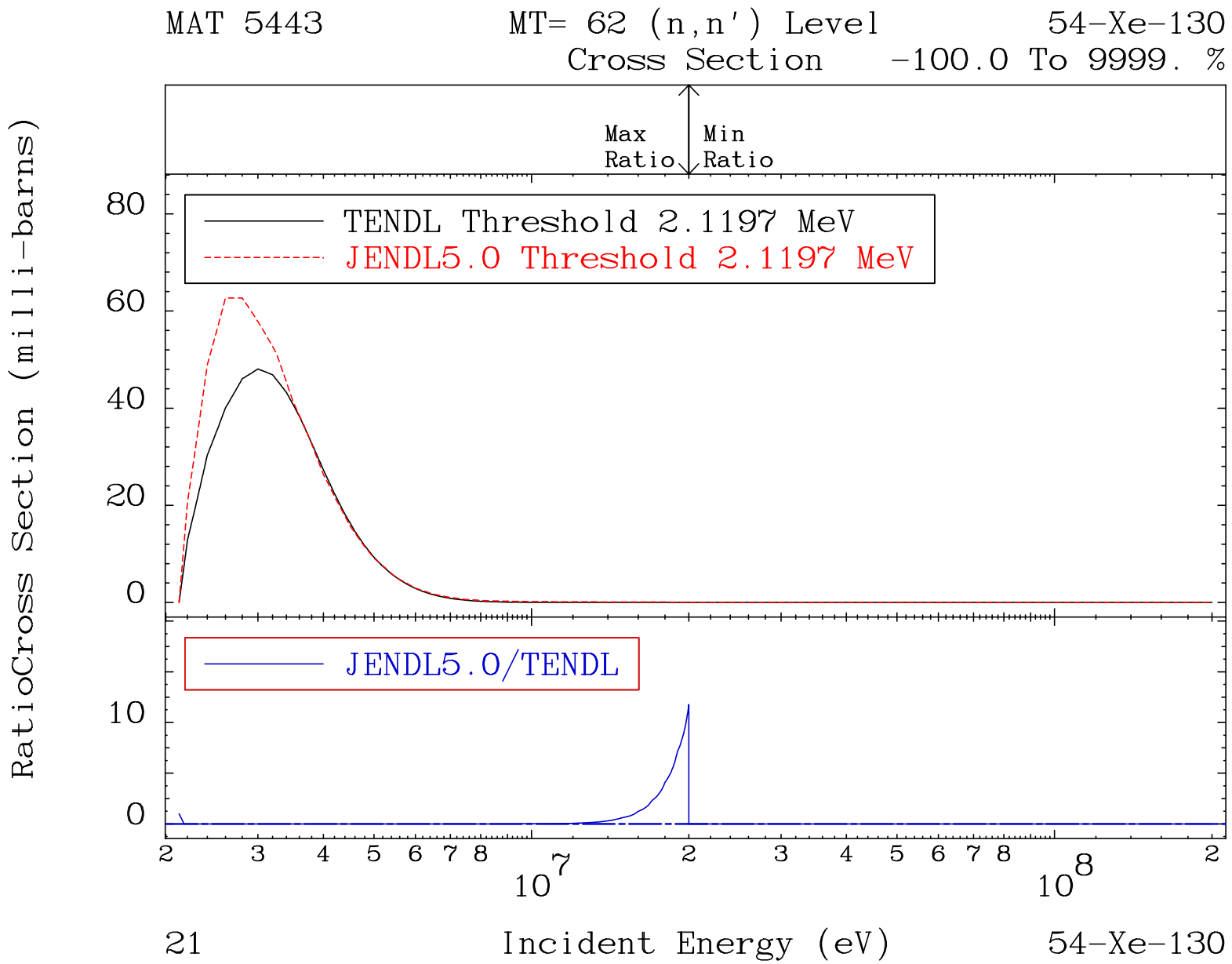

MAT 5443
MT= 57 (n,n') Level
54-Xe-130
Cross Section
-100.0 To 51.69 %
Max
Ratio
TENDL Threshold 1.8222 MeV
JENDL5.0 Threshold 1.8222 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
16
Incident Energy (eV)
54-Xe-130

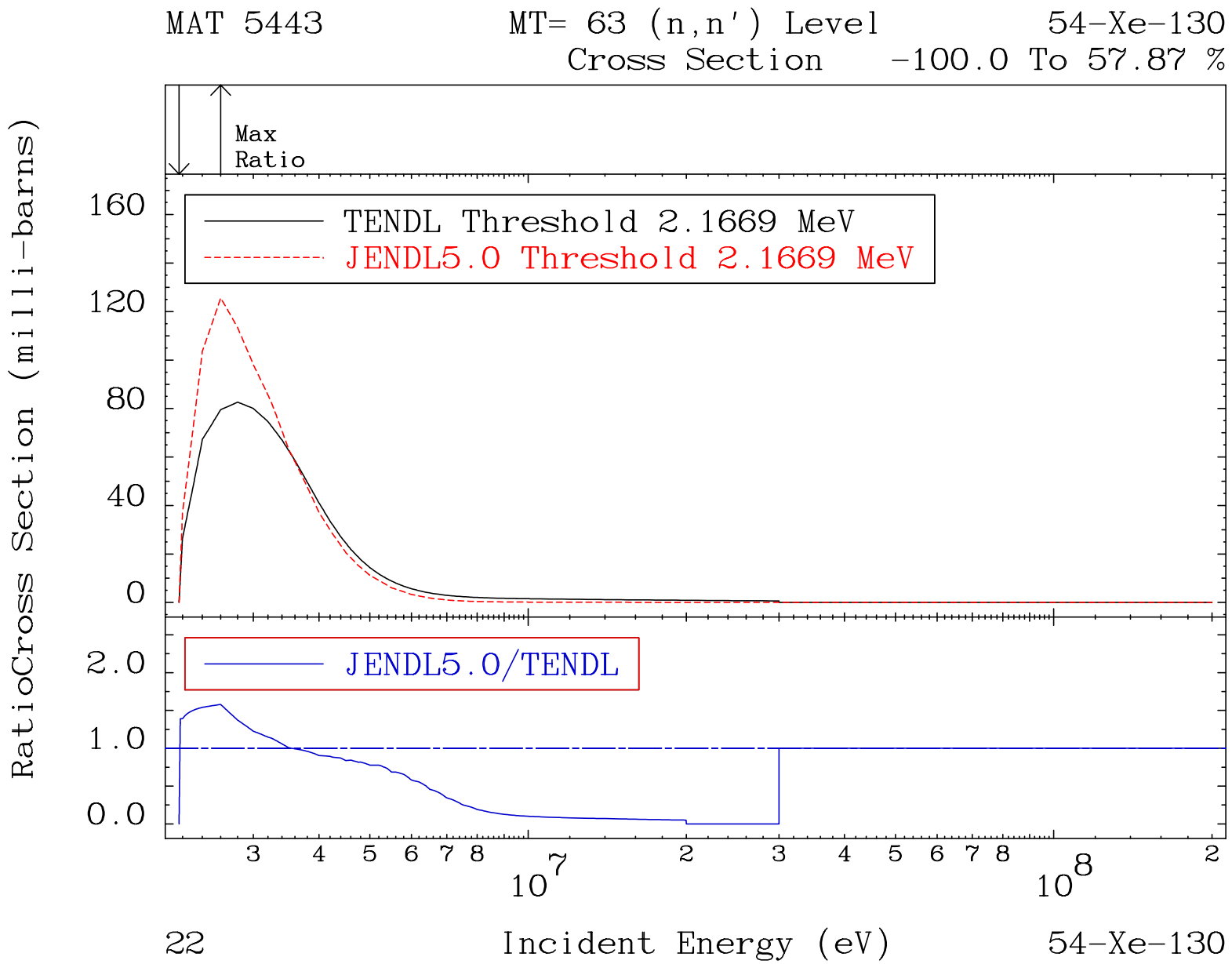

MAT 5443
MT= 58 (n,n') Level
54-Xe-130
Cross Section -100.0 To 53.41 %
Max Ratio
Min Ratio
TENDL Threshold 1.9592 MeV
JENDL5.0 Threshold 1.9592 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
54-Xe-130

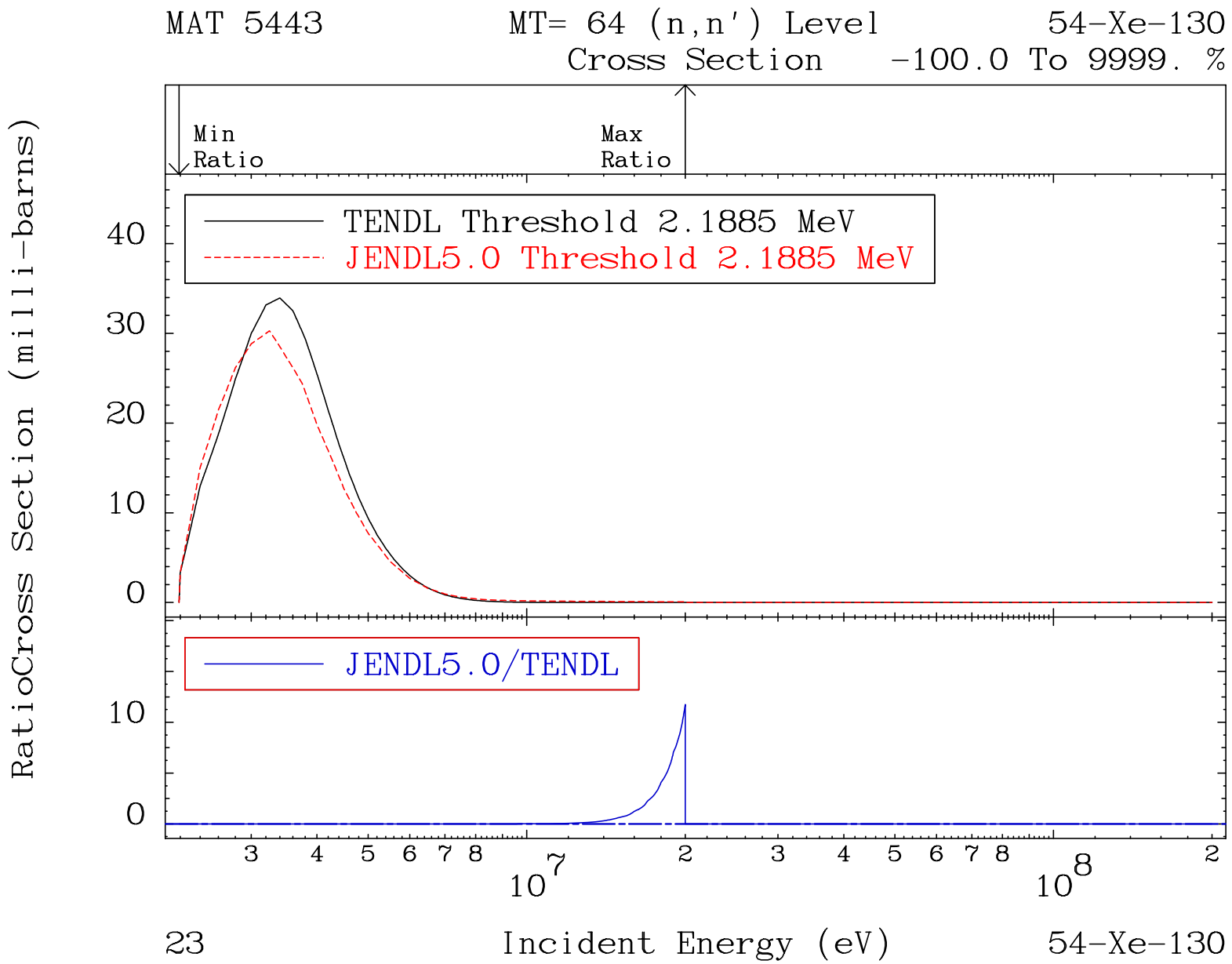

MAT 5443
MT= 59 (n,n') Level
54-Xe-130
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.0327 MeV
JENDL5.0 Threshold 2.0327 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
10
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
54-Xe-130

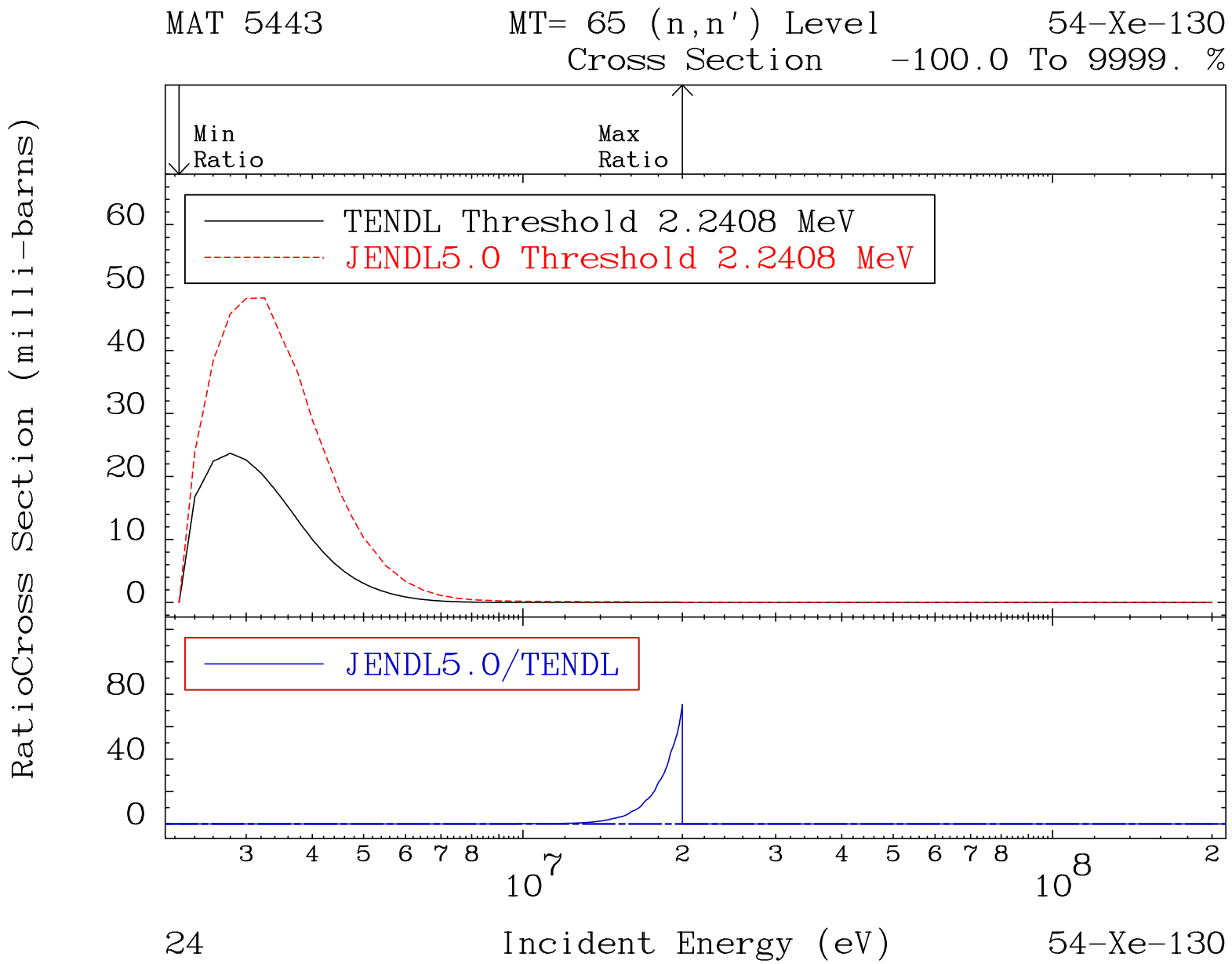

MAT 5443
MT= 60 (n,n') Level
54-Xe-130
Cross Section
-100.0 To 58.28 %
Max Ratio
Min Ratio
TENDL Threshold 2.0756 MeV
JENDL5.0 Threshold 2.0756 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
54-Xe-130

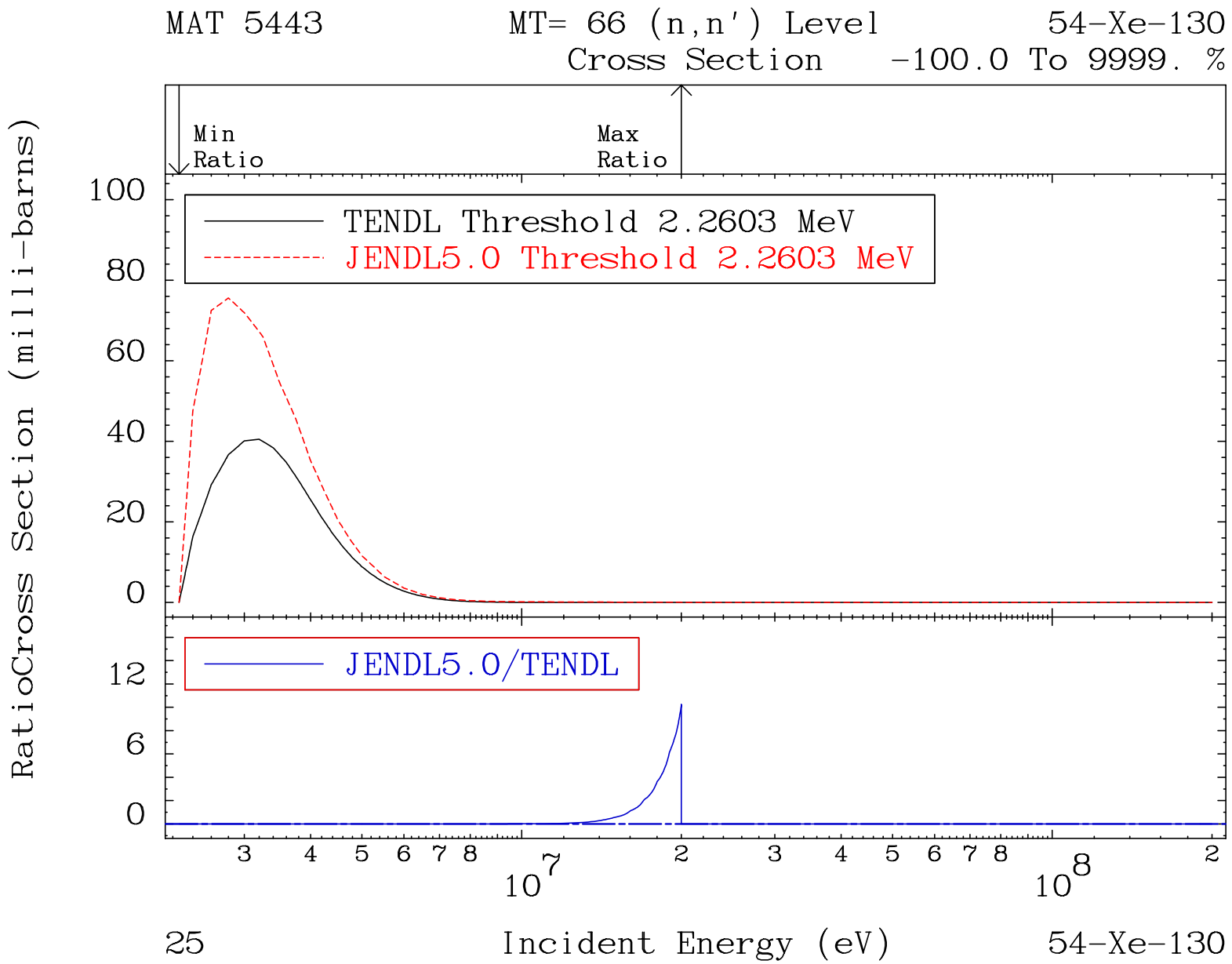

MAT 5443
MT= 61 (n,n') Level
54-Xe-130
Cross Section -100.0 To 42.56 %
Max Ratio
Min Ratio
TENDL Threshold 2.0981 MeV
JENDL5.0 Threshold 2.0981 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
54-Xe-130

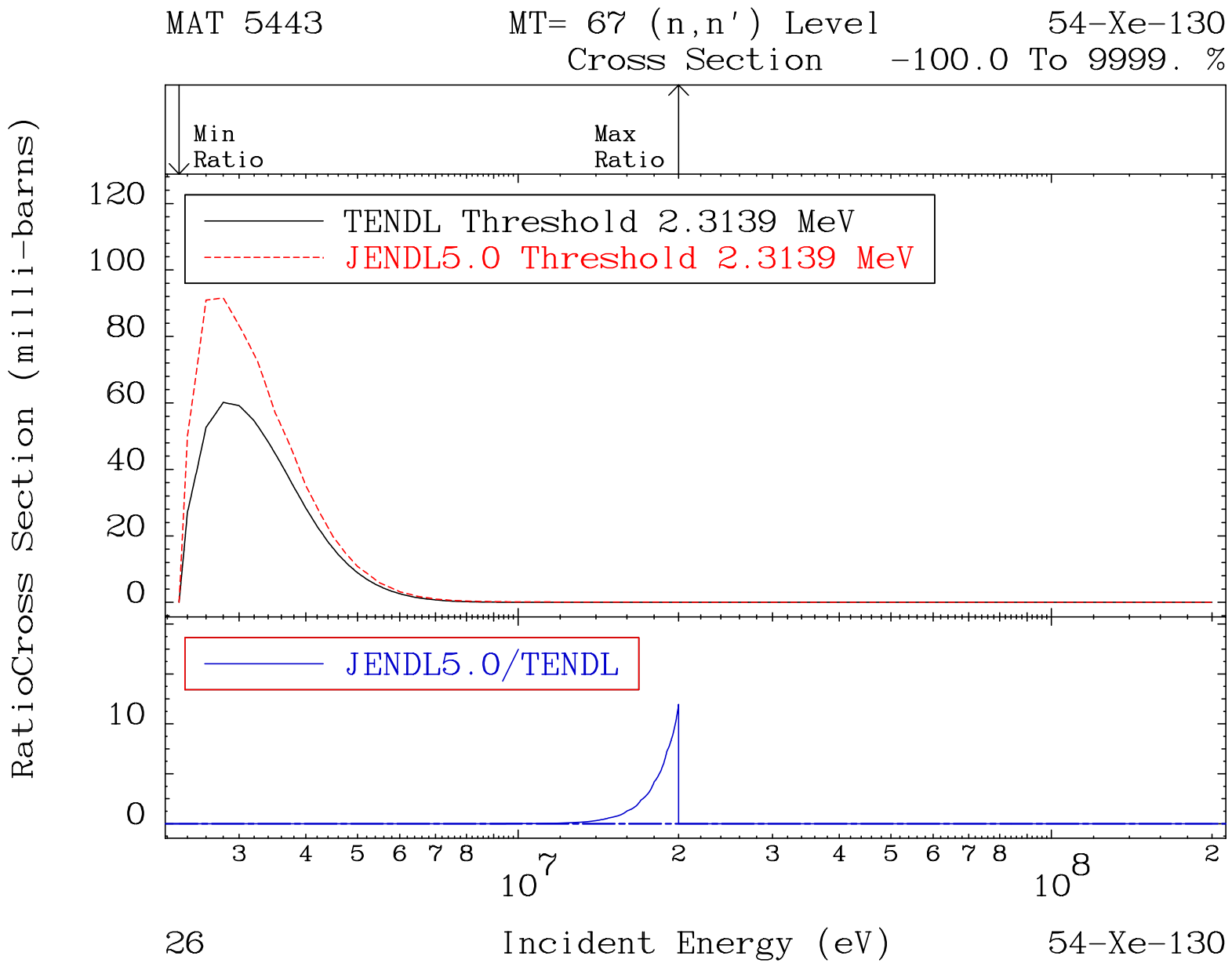

MAT 5443
MT= 62 (n,n') Level
54-Xe-130
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.1197 MeV
JENDL5.0 Threshold 2.1197 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10
0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
54-Xe-130

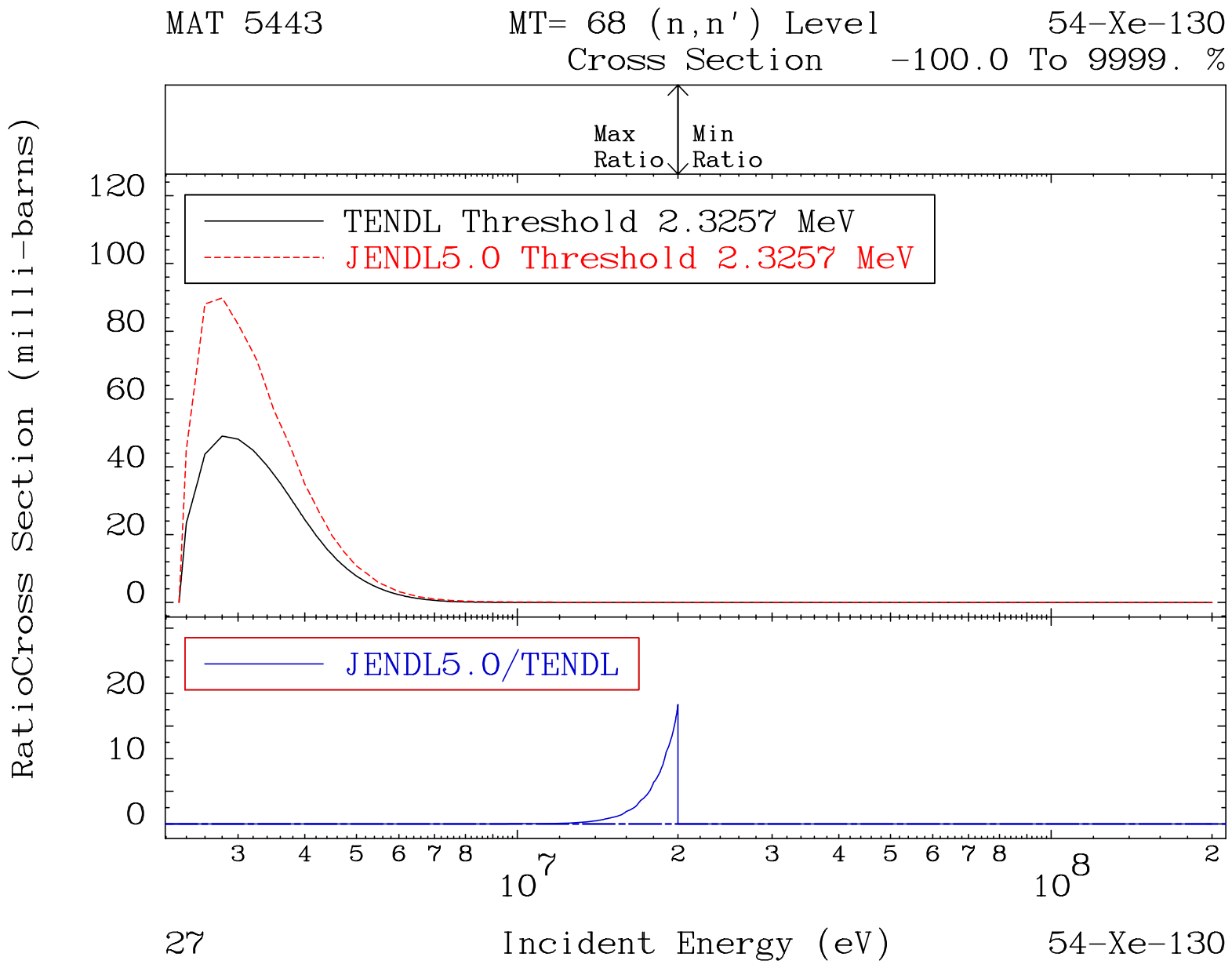

MAT 5443
MT= 63 (n,n') Level
54-Xe-130
Cross Section
-100.0 To 57.87 %
Max
Ratio
TENDL Threshold 2.1669 MeV
JENDL5.0 Threshold 2.1669 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
54-Xe-130

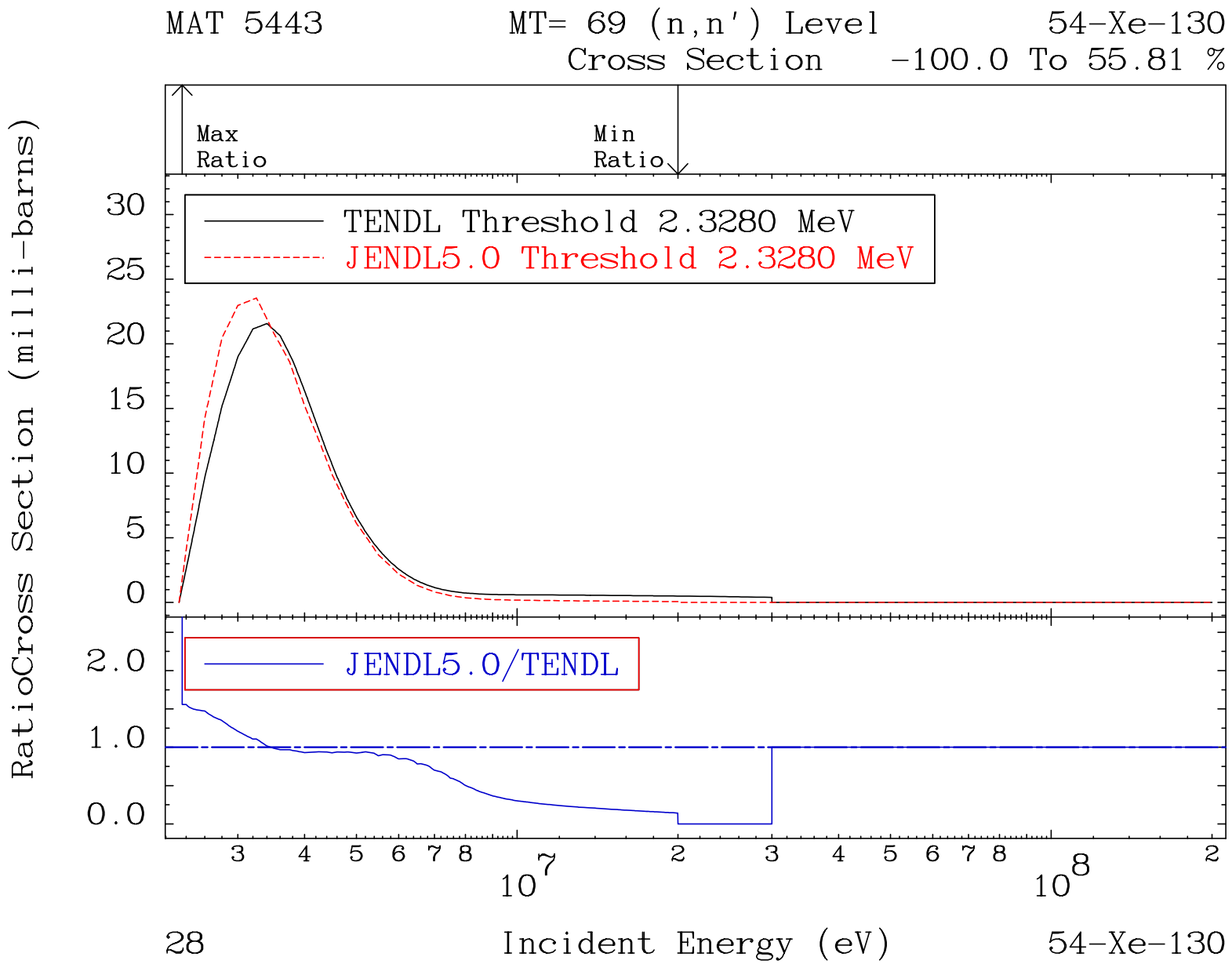

MAT 5443
MT= 64 (n,n') Level
54-Xe-130
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.1885 MeV
JENDL5.0 Threshold 2.1885 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
10
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
54-Xe-130

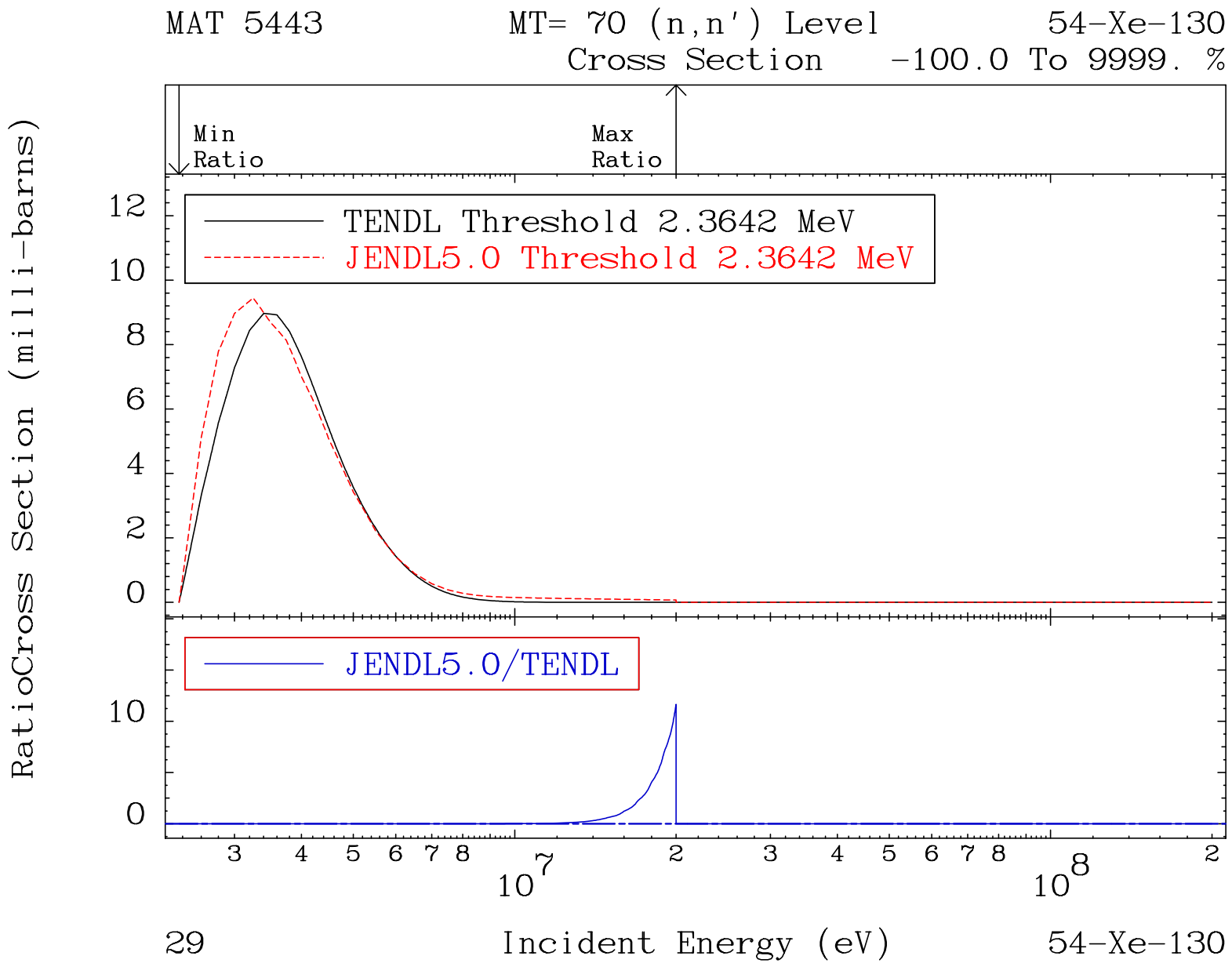

MAT 5443
MT= 65 (n,n') Level
54-Xe-130
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.2408 MeV
JENDL5.0 Threshold 2.2408 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
80
40
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
54-Xe-130

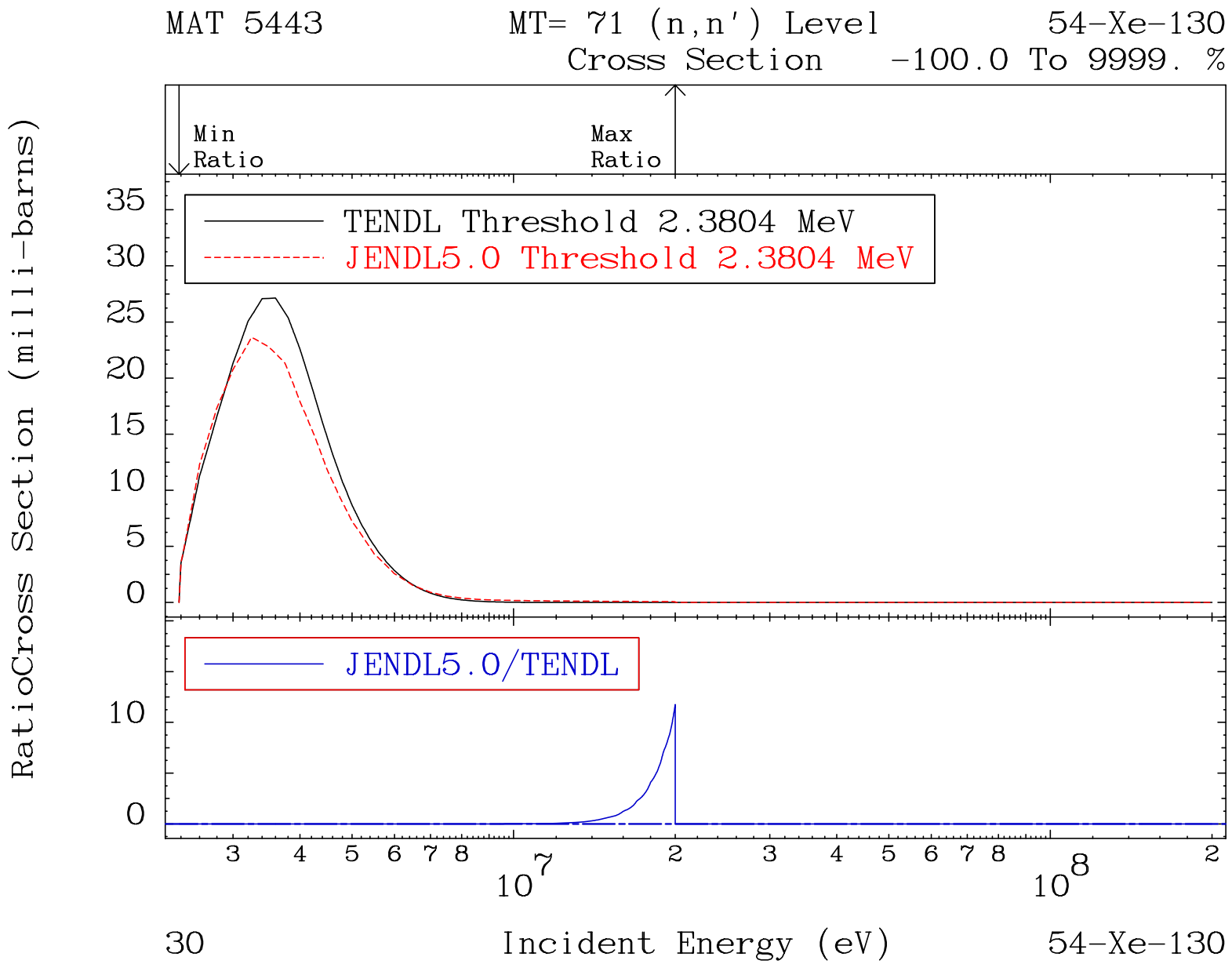

MAT 5443
MT= 66 (n,n') Level
54-Xe-130
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.2603 MeV
JENDL5.0 Threshold 2.2603 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
12
6
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
54-Xe-130

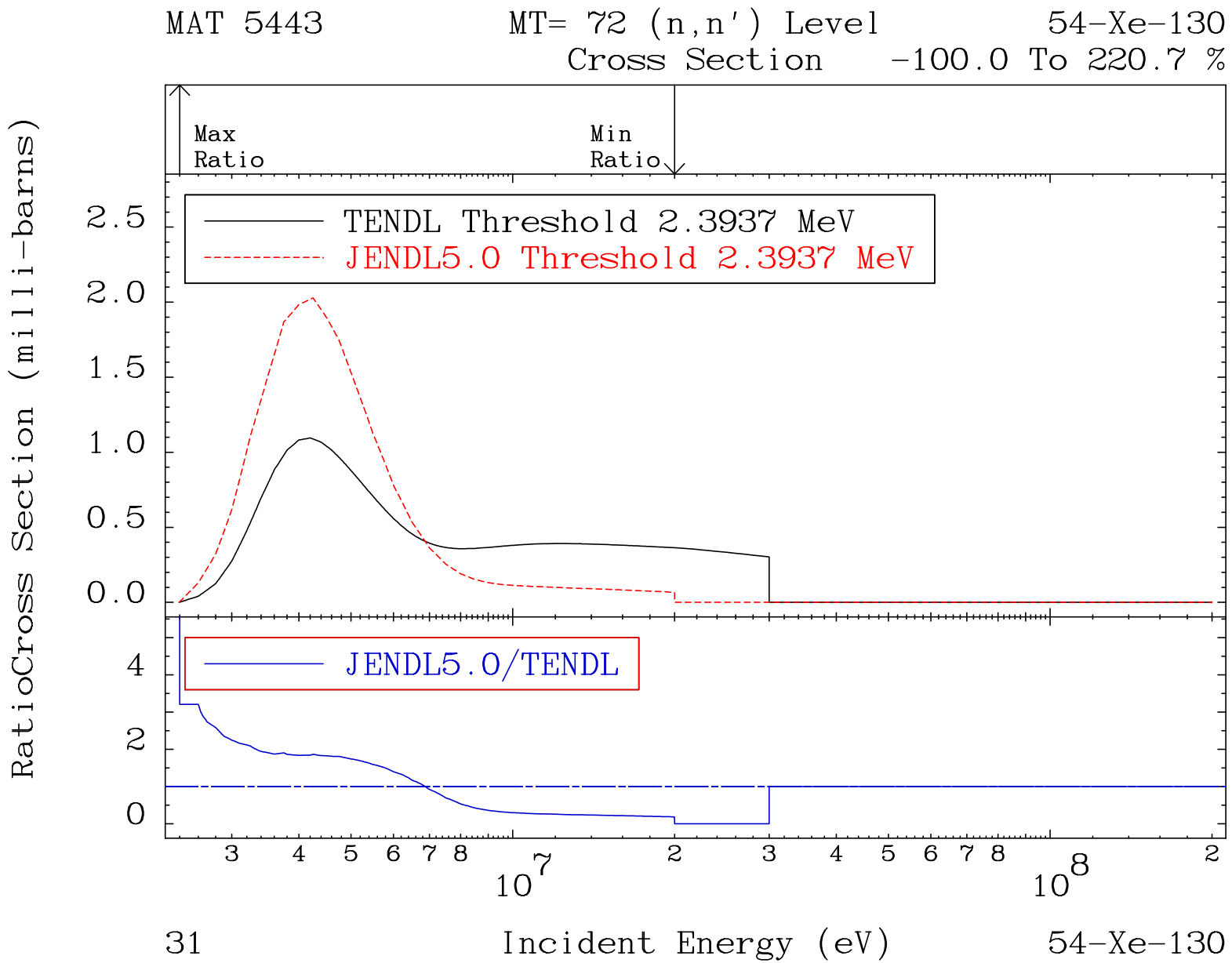

MAT 5443
MT= 67 (n,n') Level
54-Xe-130
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.3139 MeV
JENDL5.0 Threshold 2.3139 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
10
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
54-Xe-130

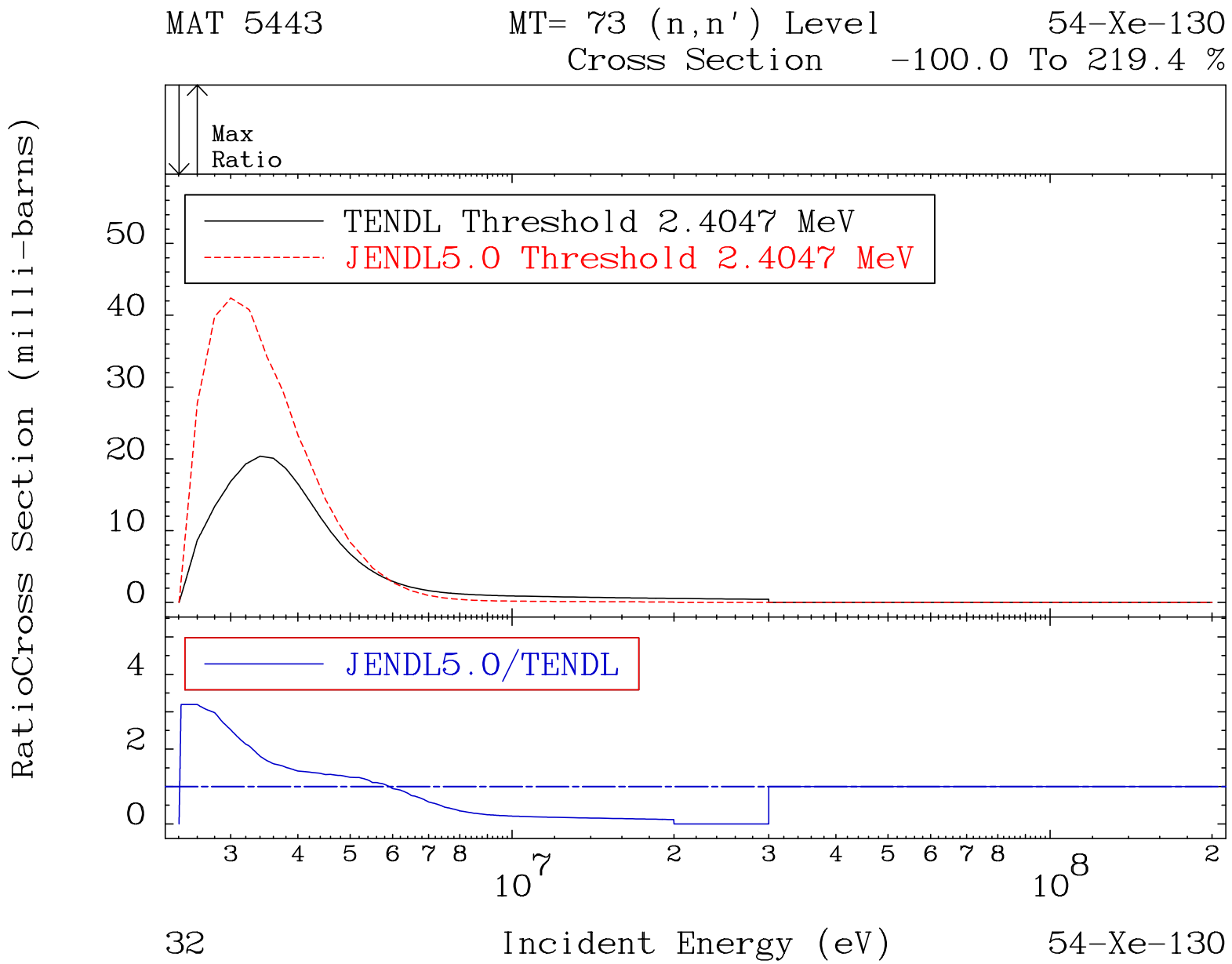

MAT 5443
MT= 68 (n,n') Level
54-Xe-130
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.3257 MeV
JENDL5.0 Threshold 2.3257 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
20
10
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
54-Xe-130

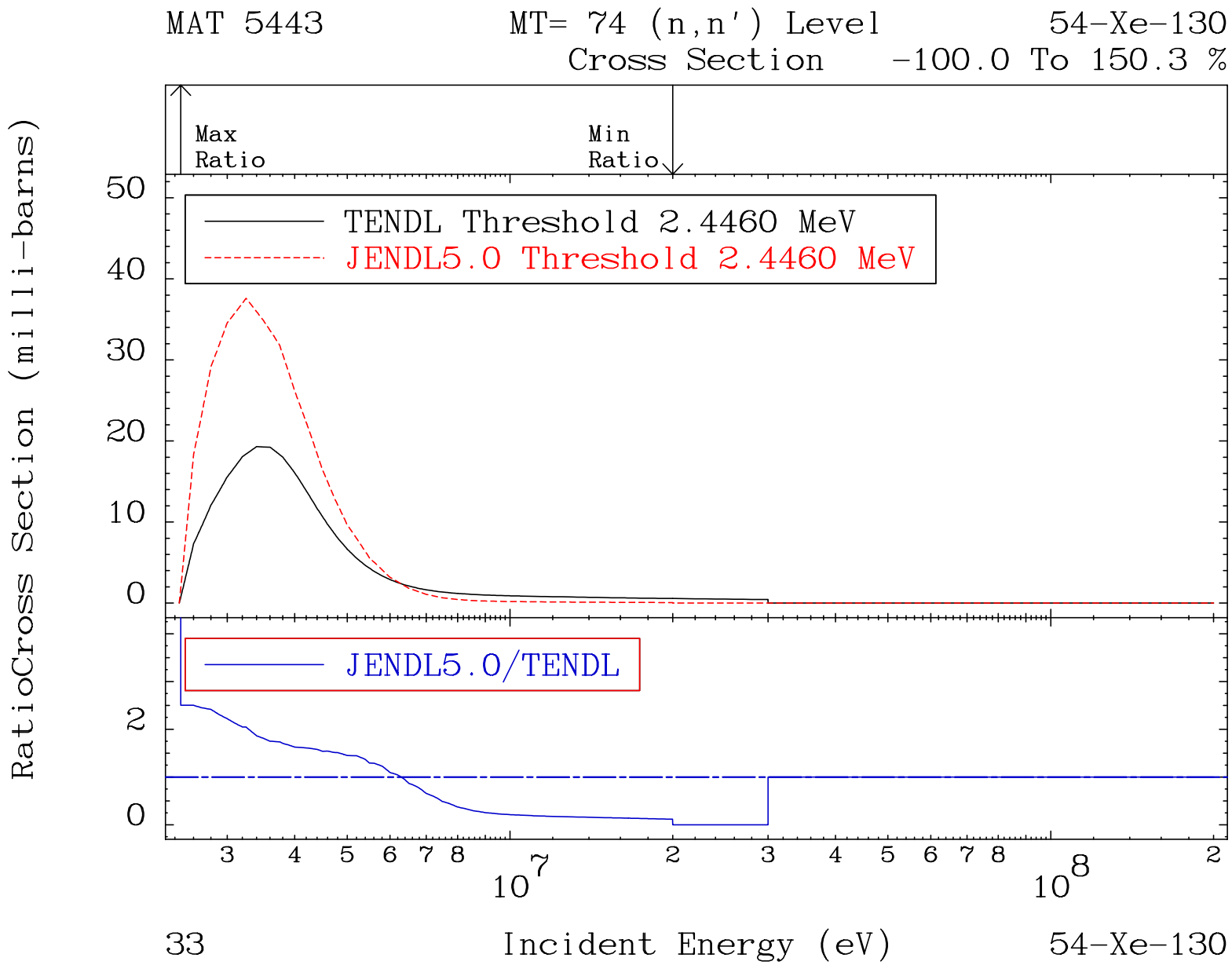

MAT 5443
MT= 69 (n,n') Level
54-Xe-130
Cross Section -100.0 To 55.81 %
Max Ratio
Min Ratio
TENDL Threshold 2.3280 MeV
JENDL5.0 Threshold 2.3280 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
54-Xe-130

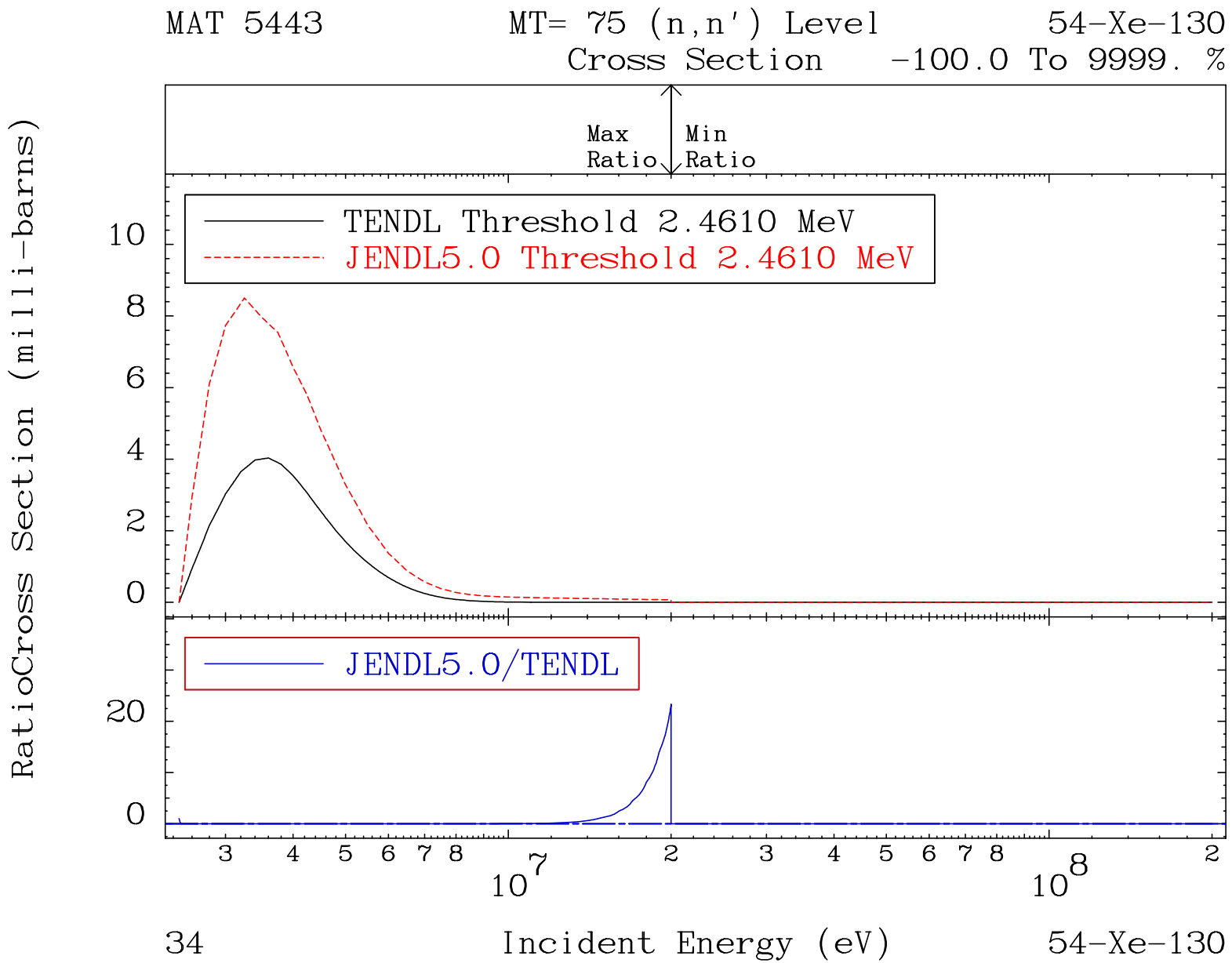

MAT 5443
MT= 70 (n,n') Level
54-Xe-130
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.3642 MeV
JENDL5.0 Threshold 2.3642 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
29
54-Xe-130

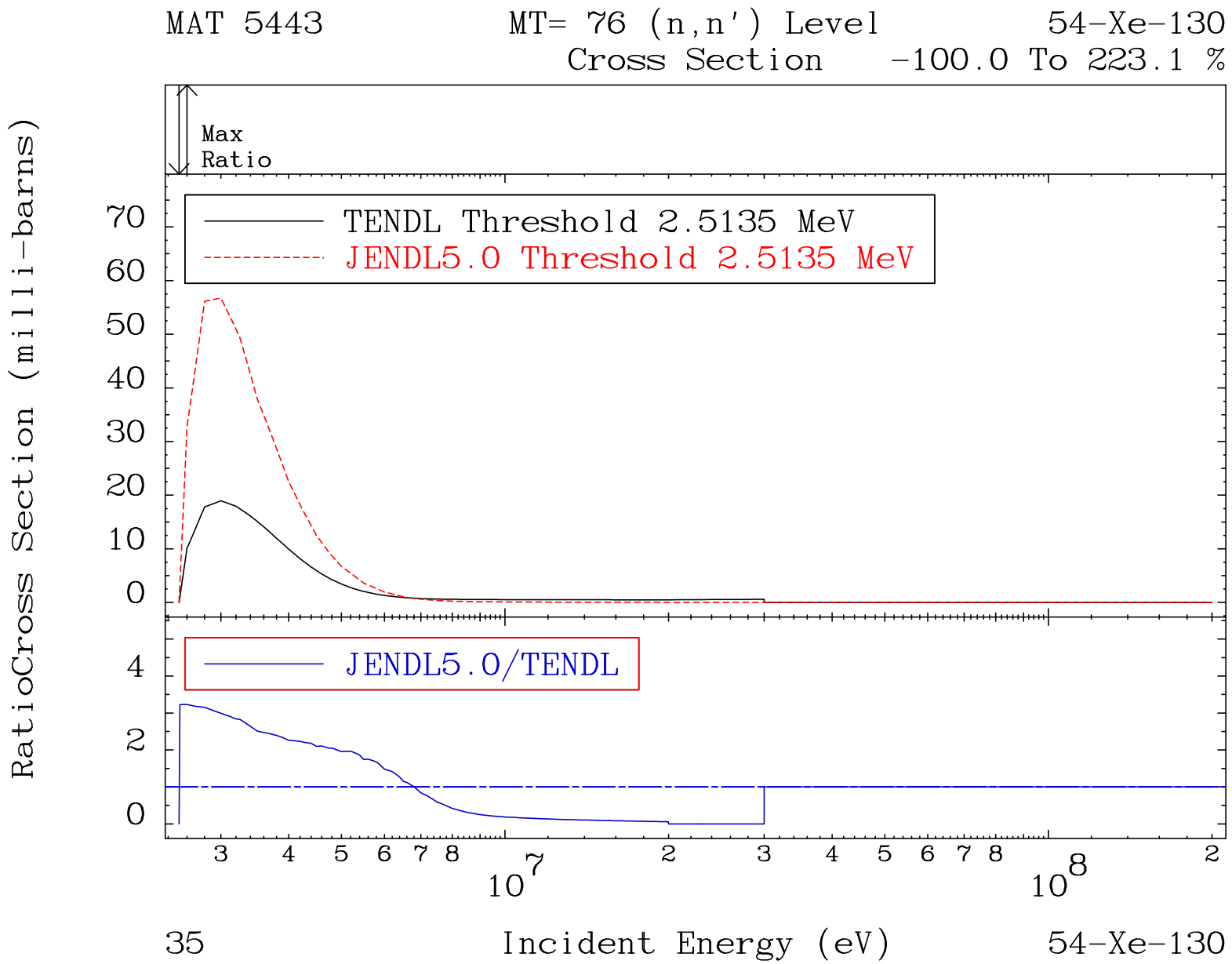

MAT 5443
MT= 71 (n,n') Level
54-Xe-130
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.3804 MeV
JENDL5.0 Threshold 2.3804 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
10
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
54-Xe-130

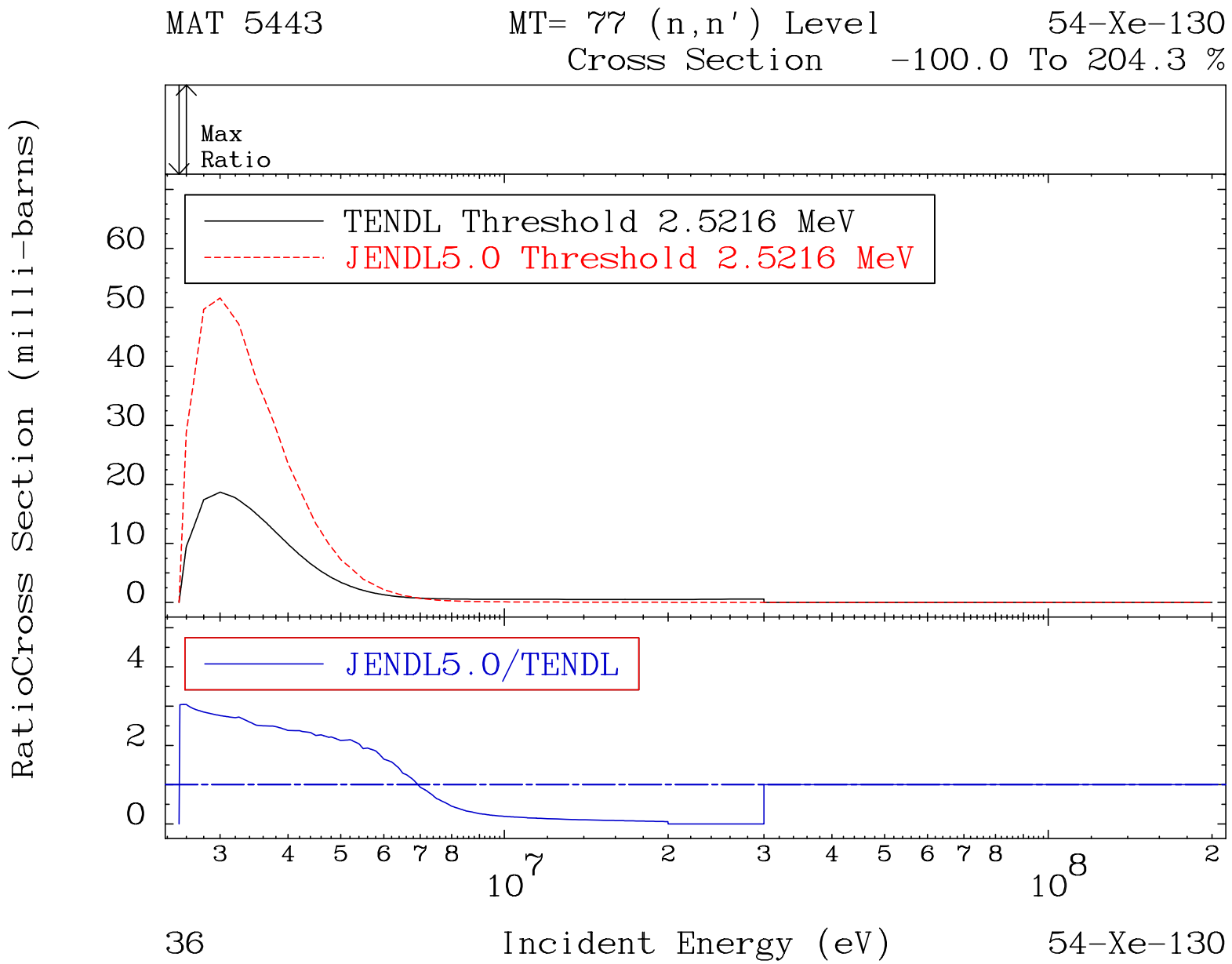

MAT 5443
MT= 72 (n,n') Level
54-Xe-130
Cross Section -100.0 To 220.7 %
Max Ratio
Min Ratio
TENDL Threshold 2.3937 MeV
JENDL5.0 Threshold 2.3937 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
54-Xe-130

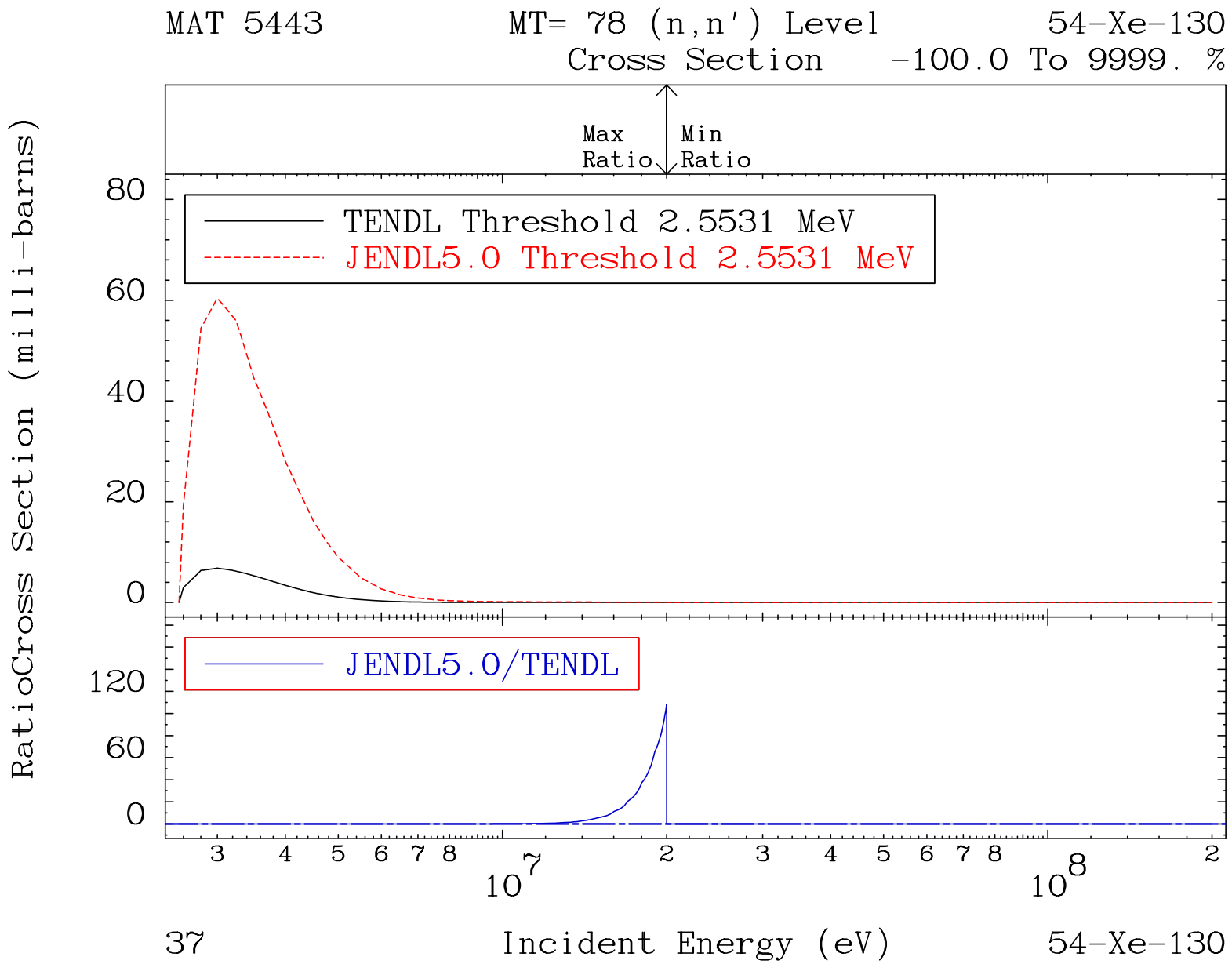

MAT 5443
MT= 73 (n,n') Level
54-Xe-130
Cross Section
-100.0 To 219.4 %
Max
Ratio
TENDL Threshold 2.4047 MeV
JENDL5.0 Threshold 2.4047 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
54-Xe-130

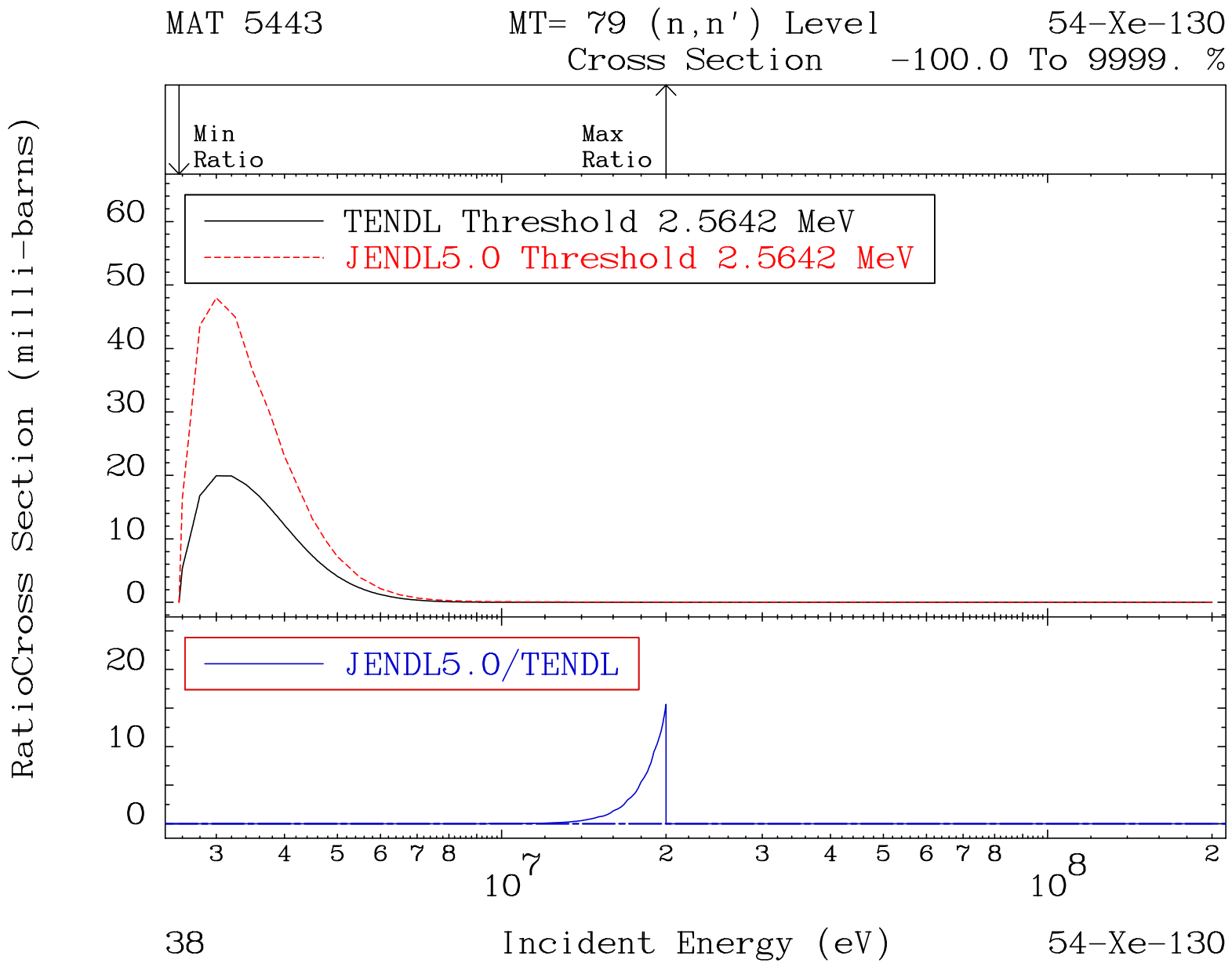

MAT 5443
MT= 74 (n,n') Level
54-Xe-130
Cross Section
-100.0 To 150.3 %
Max Ratio
Min Ratio
TENDL Threshold 2.4460 MeV
JENDL5.0 Threshold 2.4460 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
54-Xe-130

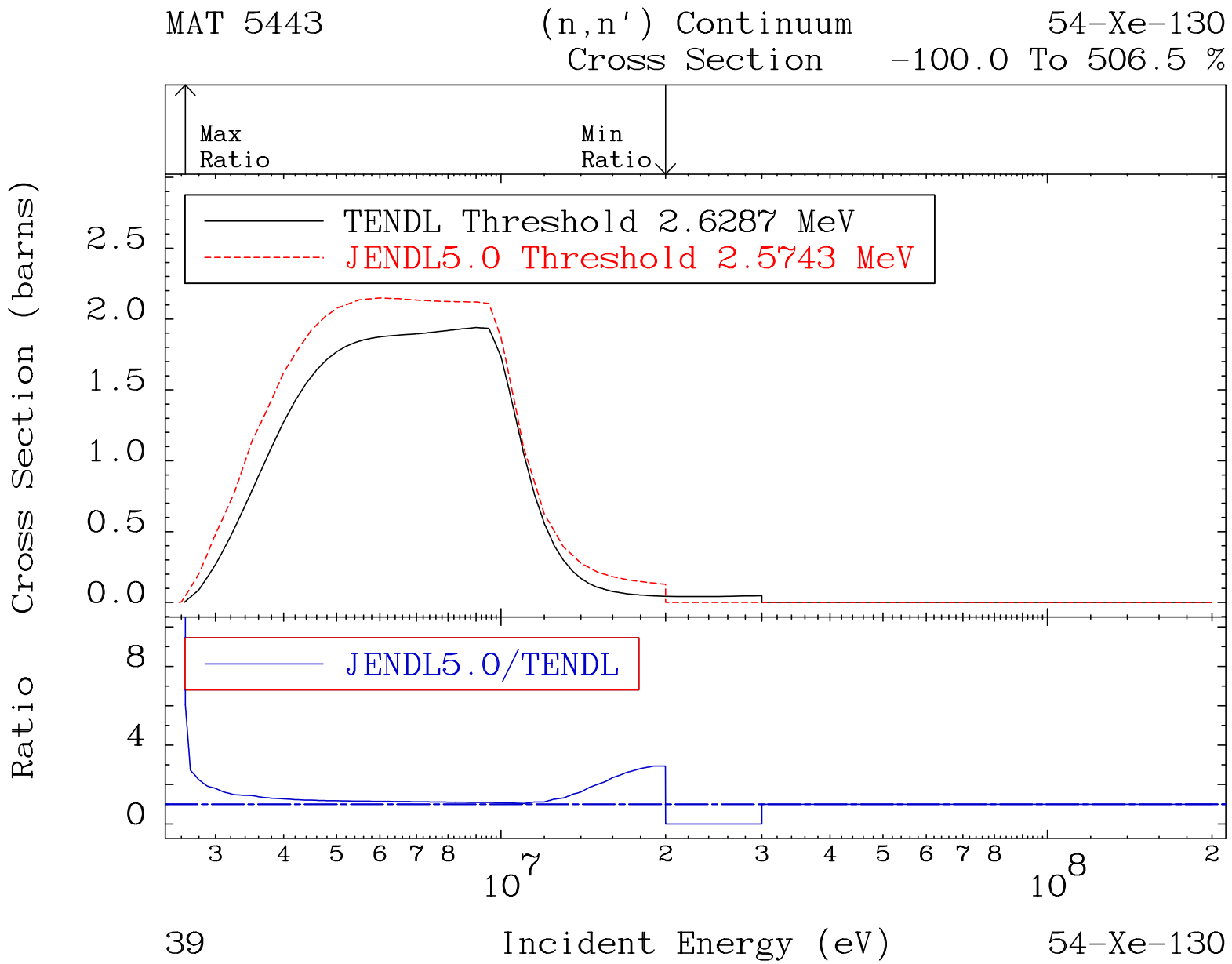

MAT 5443
MT= 75 (n,n') Level
54-Xe-130
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.4610 MeV
JENDL5.0 Threshold 2.4610 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
34
54-Xe-130

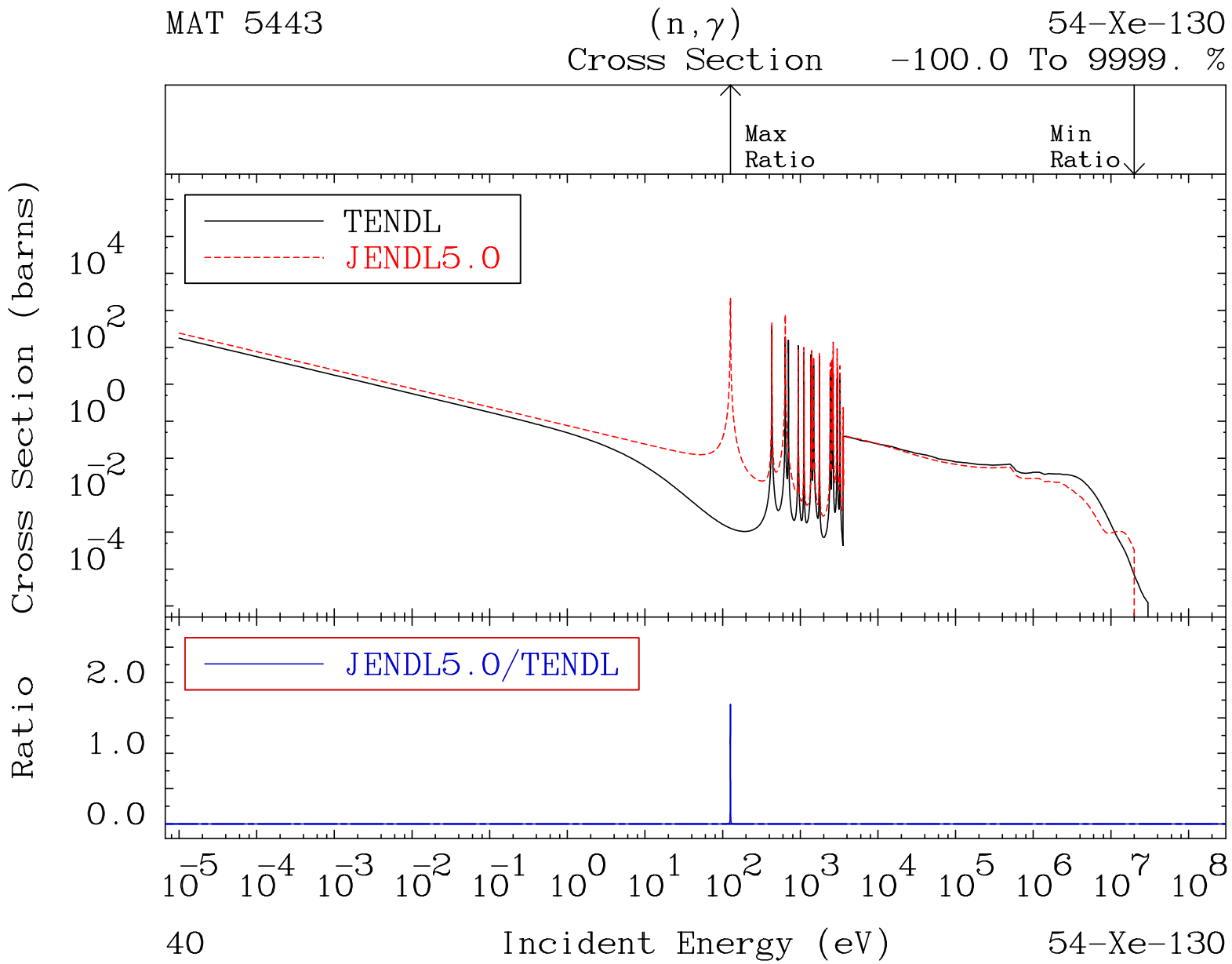

MAT 5443
MT= 76 (n,n') Level
54-Xe-130
Cross Section
-100.0 To 223.1 %
Max
Ratio
TENDL Threshold 2.5135 MeV
JENDL5.0 Threshold 2.5135 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
54-Xe-130

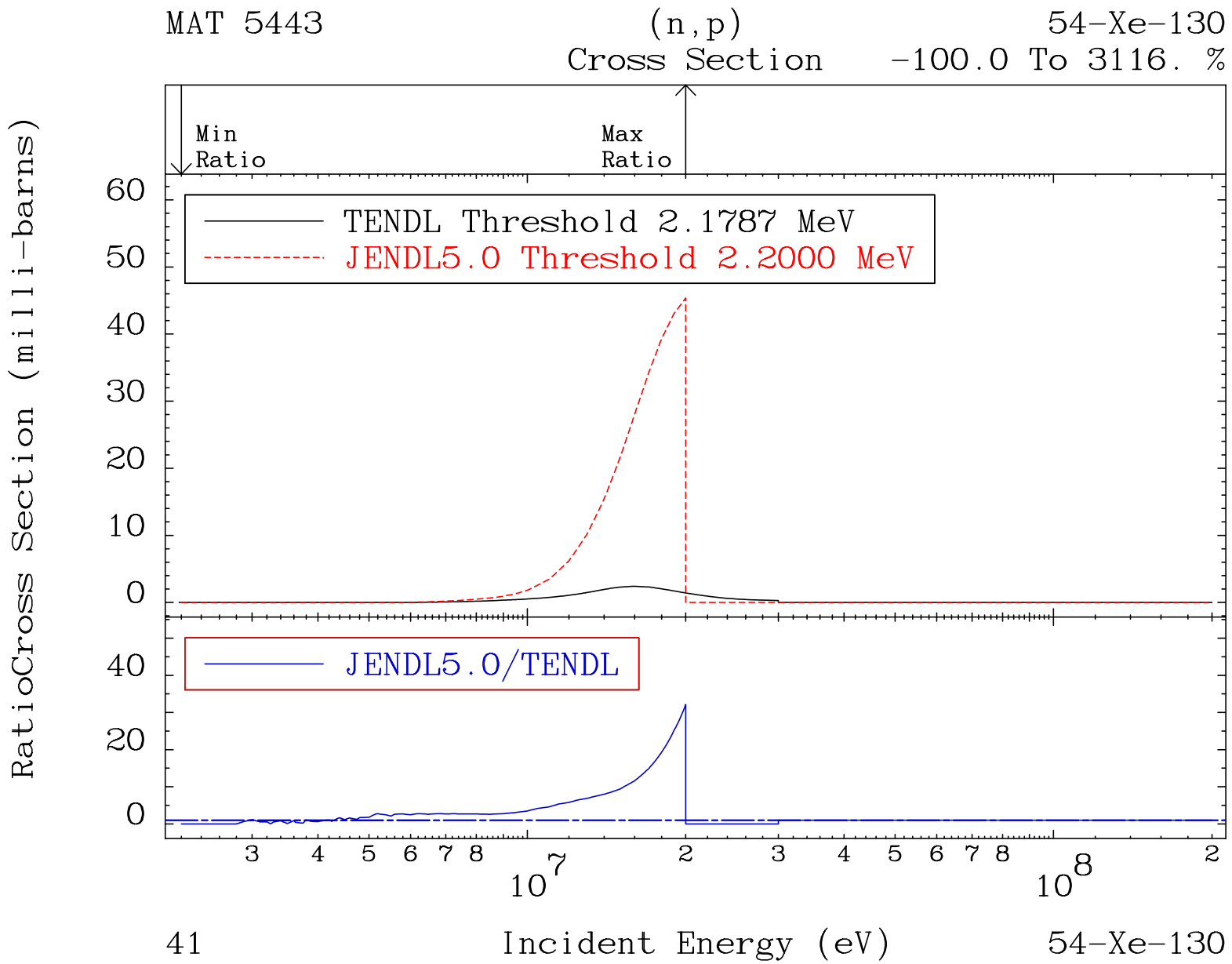

MAT 5443
MT= 77 (n,n') Level
54-Xe-130
Cross Section
-100.0 To 204.3 %
Max
Ratio
TENDL Threshold 2.5216 MeV
JENDL5.0 Threshold 2.5216 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
54-Xe-130

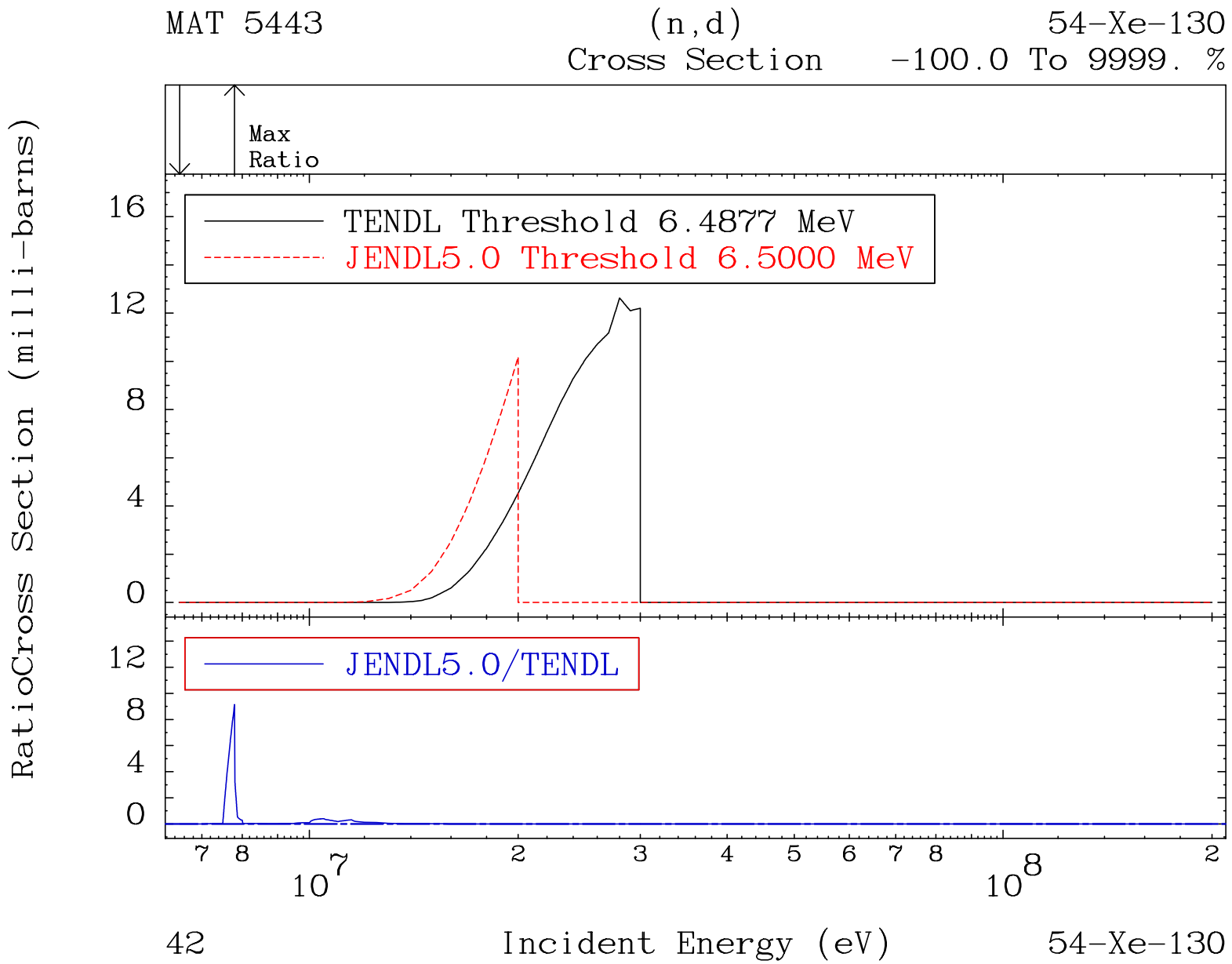

MAT 5443
MT= 78 (n,n') Level
54-Xe-130
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.5531 MeV
JENDL5.0 Threshold 2.5531 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
120
60
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
37
Incident Energy (eV)
54-Xe-130

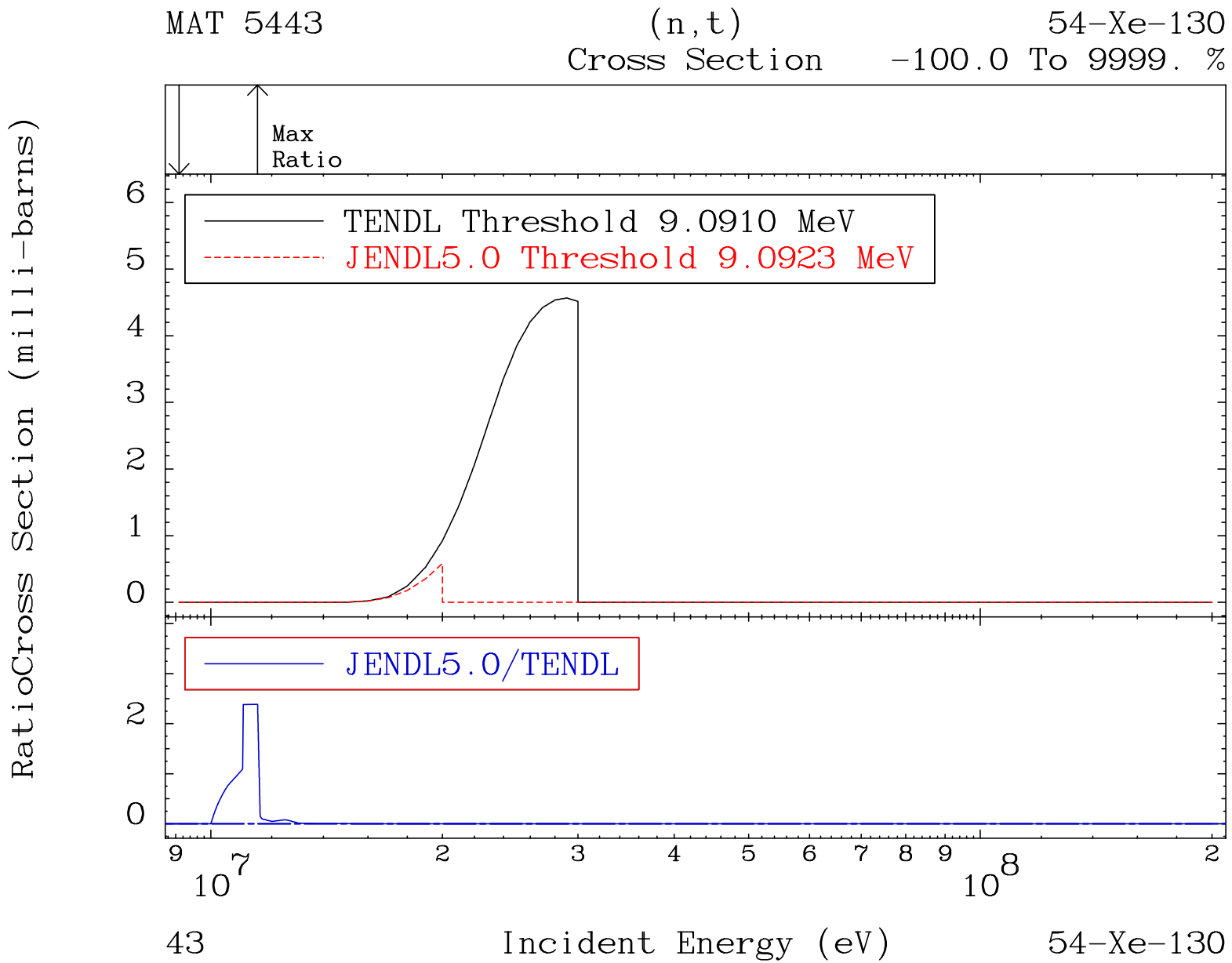

MAT 5443
MT= 79 (n,n') Level
54-Xe-130
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.5642 MeV
JENDL5.0 Threshold 2.5642 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
20
10
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
54-Xe-130

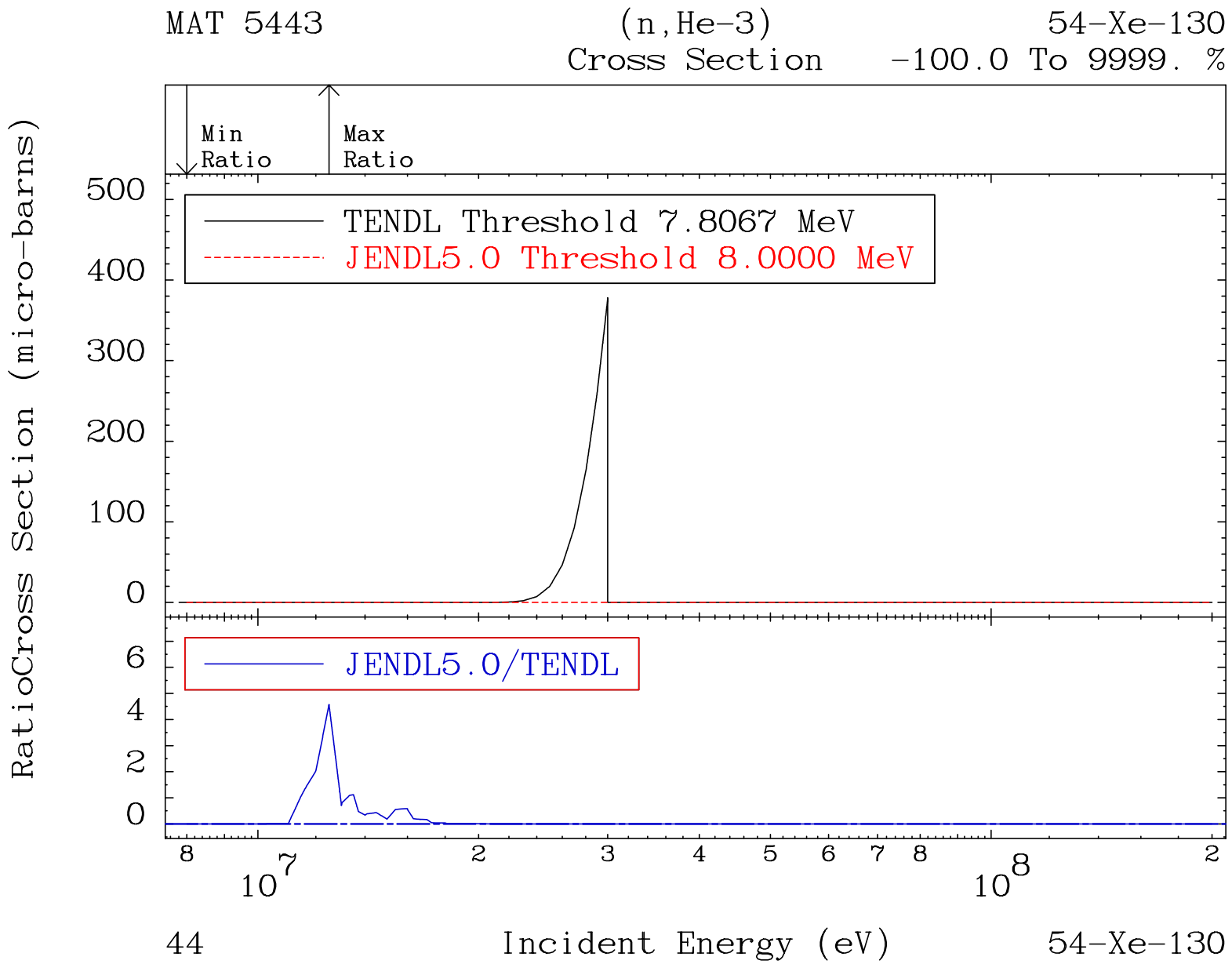

MAT 5443
(n,n') Continuum
Cross Section
54-Xe-130
-100.0 To 506.5 %
Max Ratio
Min Ratio
TENDL Threshold 2.6287 MeV
JENDL5.0 Threshold 2.5743 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
8
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
39
Incident Energy (eV)
54-Xe-130

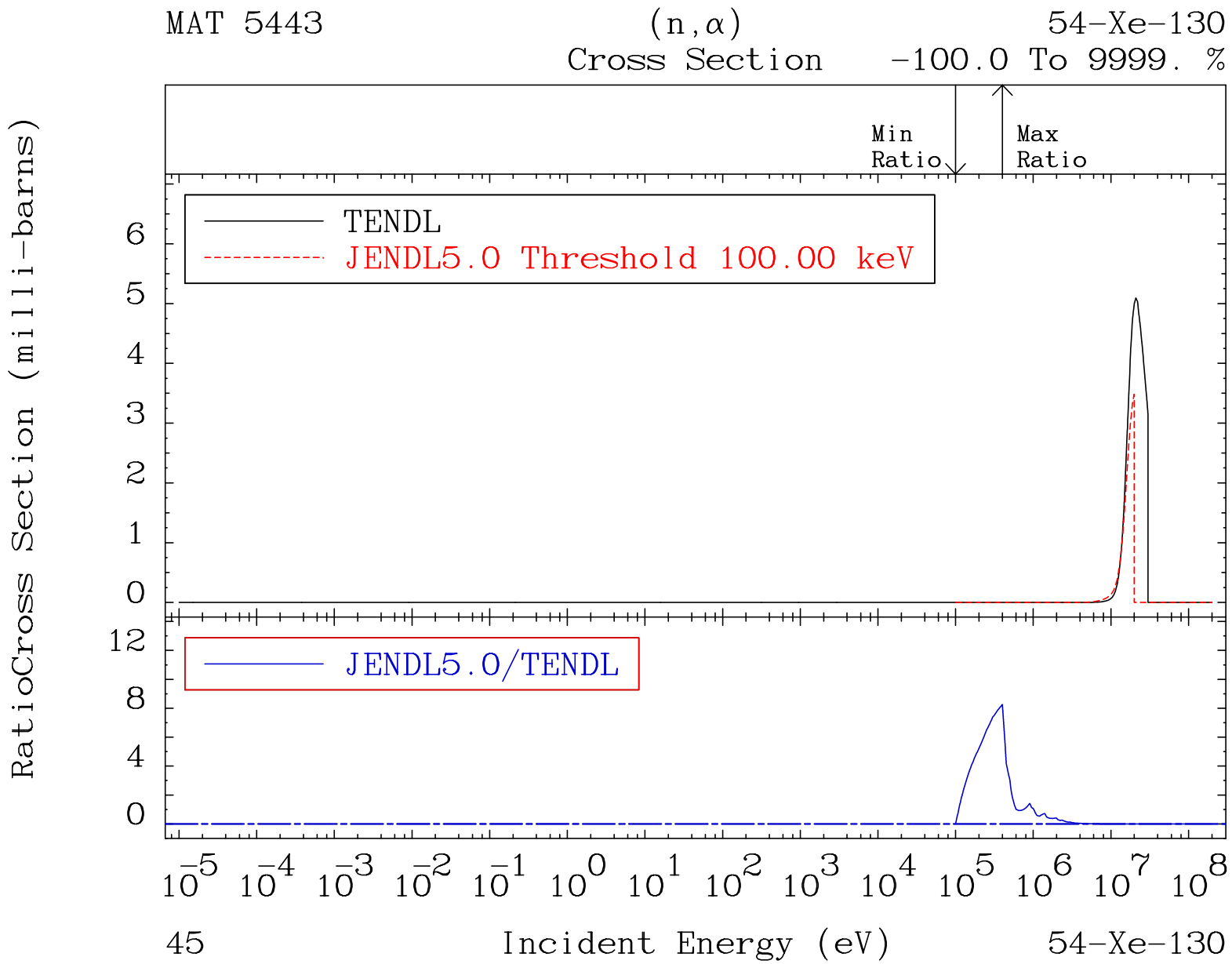

MAT 5443
(n,γ)
Cross Section
54-Xe-130
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
40
54-Xe-130

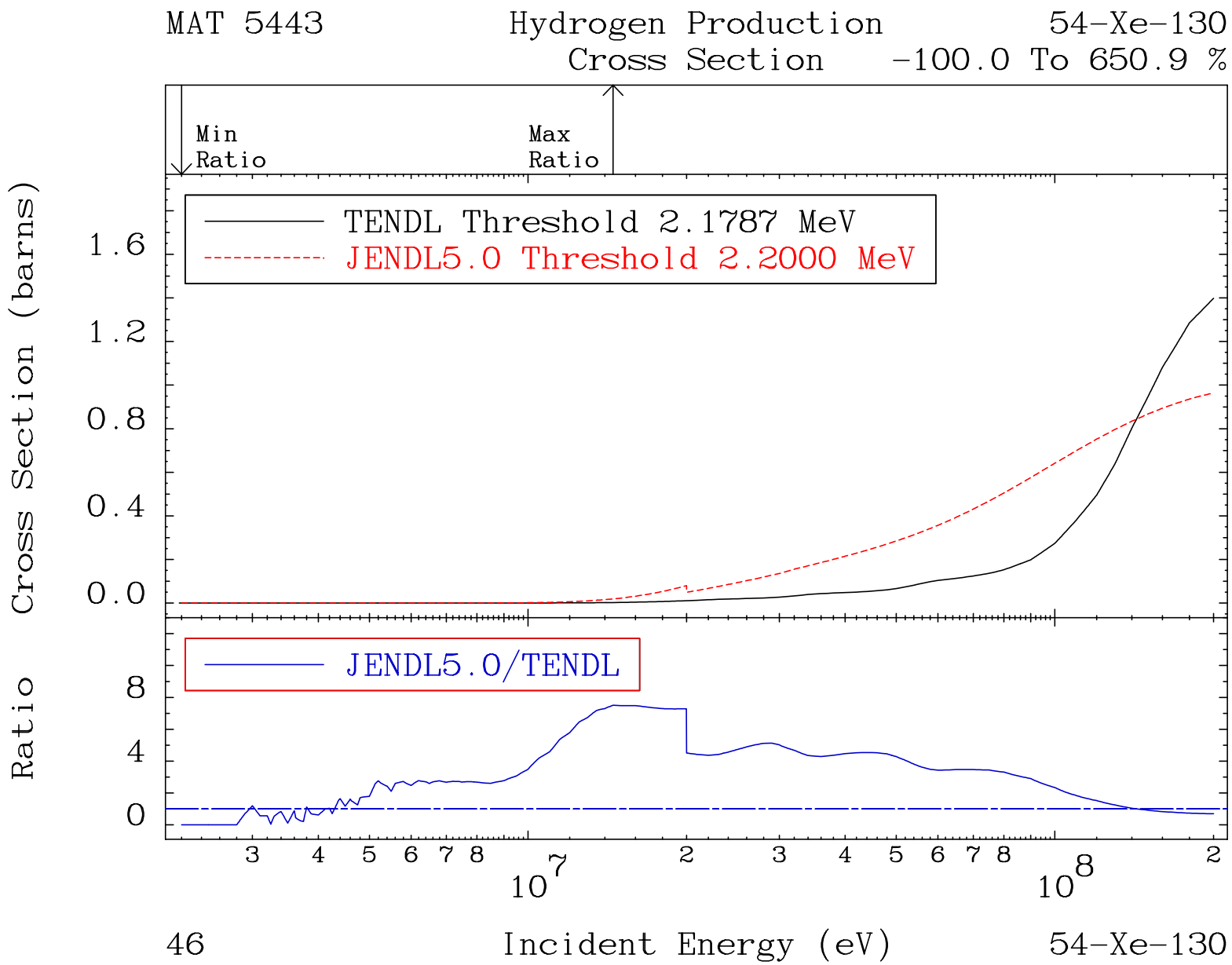

MAT 5443
(n,p)
54-Xe-130
Cross Section
-100.0 To 3116. %
Min Ratio
Max Ratio
TENDL Threshold 2.1787 MeV
JENDL5.0 Threshold 2.2000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
40
20
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
54-Xe-130

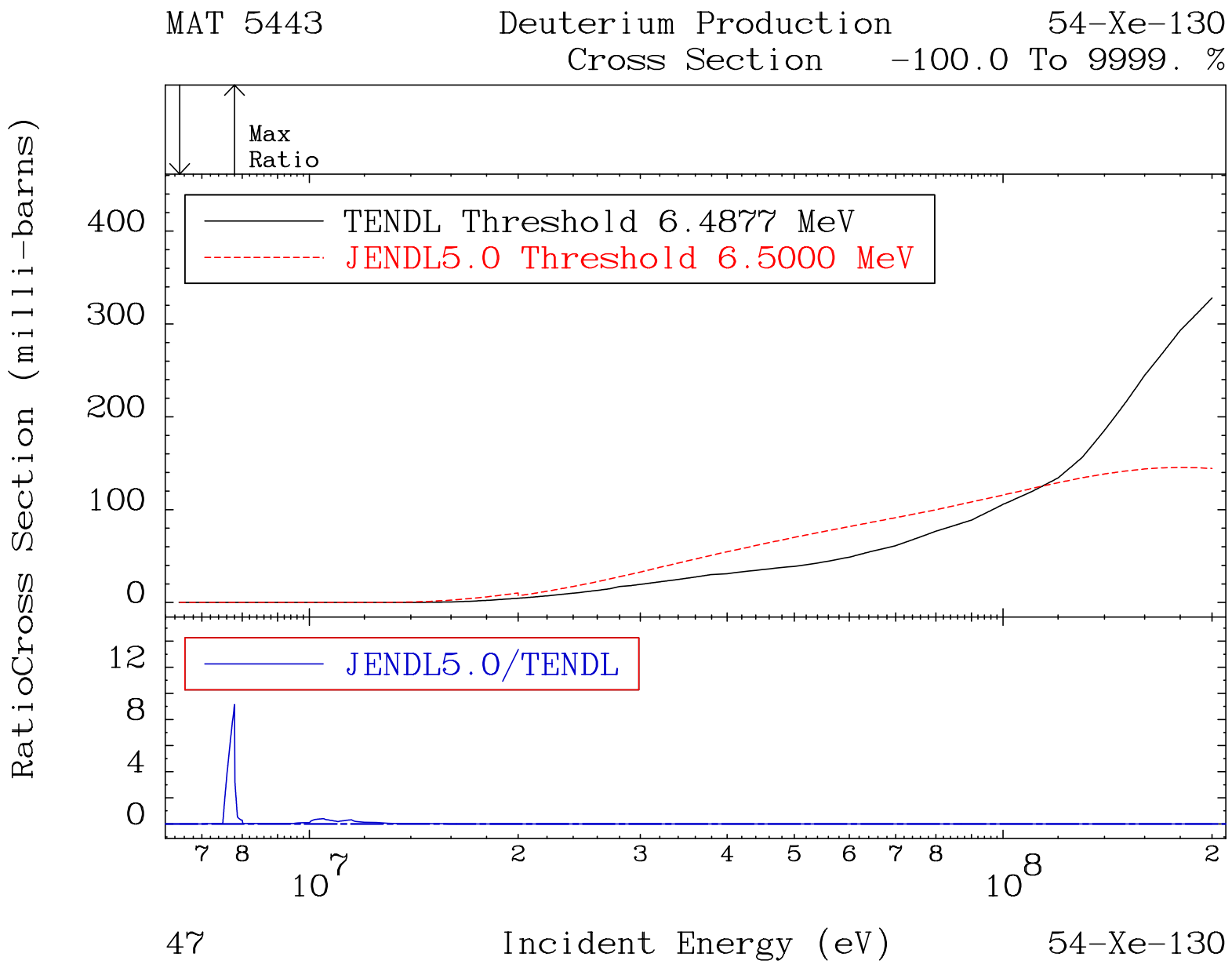

MAT 5443
(n,d)
54-Xe-130
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.4877 MeV
JENDL5.0 Threshold 6.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
12
8
4
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
54-Xe-130

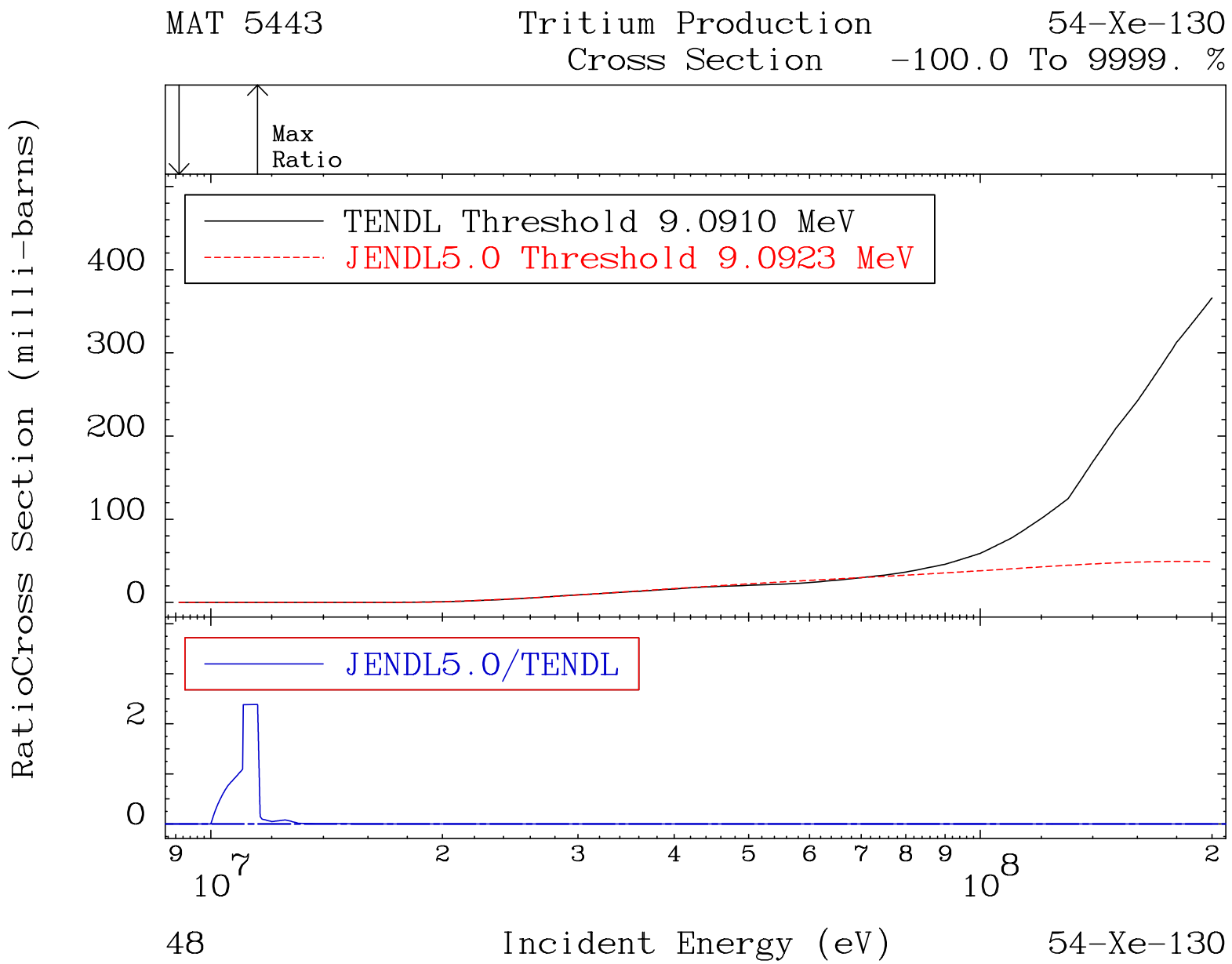

MAT 5443
(n,t)
54-Xe-130
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 9.0910 MeV
JENDL5.0 Threshold 9.0923 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
43
54-Xe-130

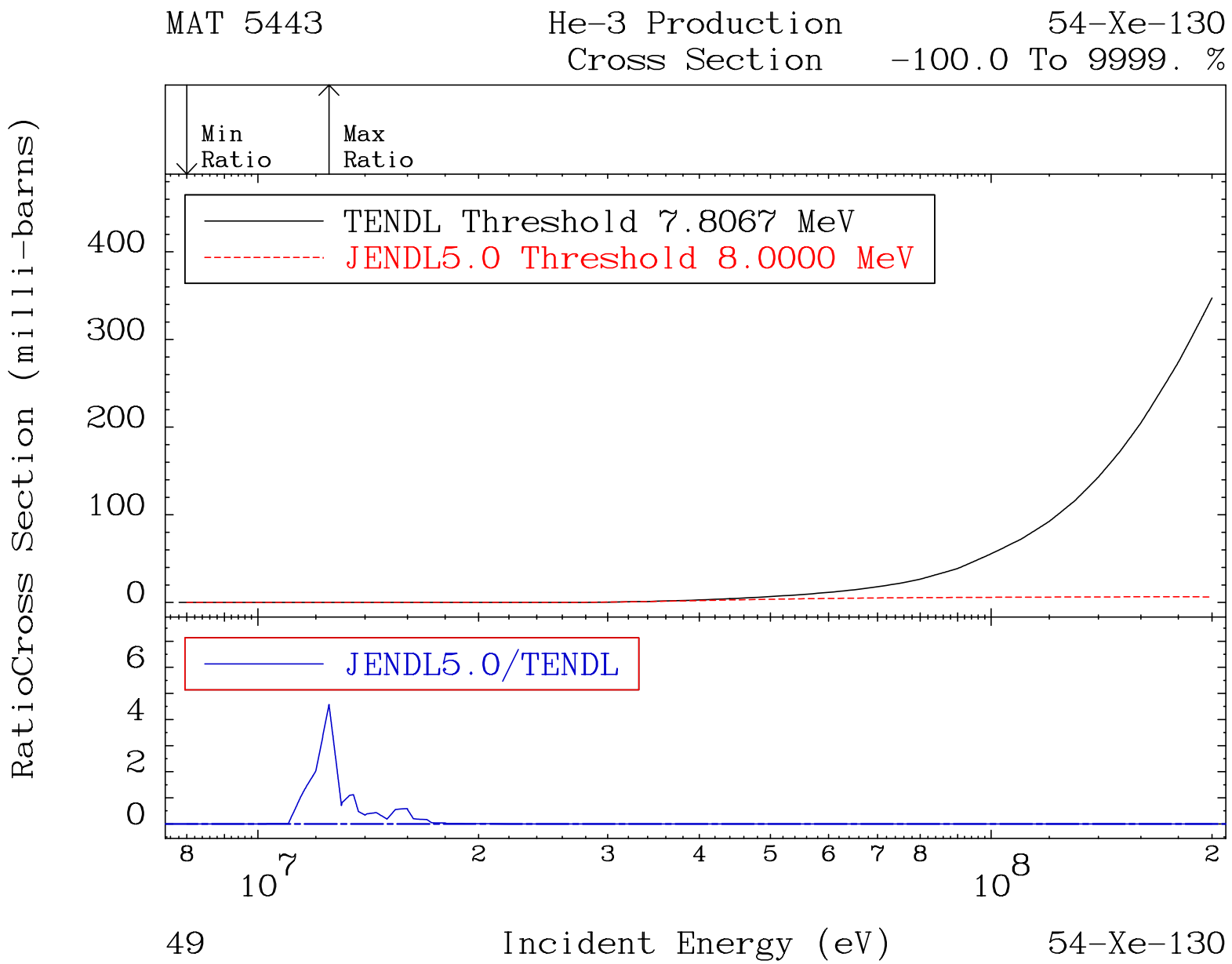

MAT 5443
(n,He-3)
54-Xe-130
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 7.8067 MeV
JENDL5.0 Threshold 8.0000 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
500
400
300
200
100
0
6
4
2
0
8
2
3
4
5
6
7
8
2
10^7
10^8
44
Incident Energy (eV)
54-Xe-130

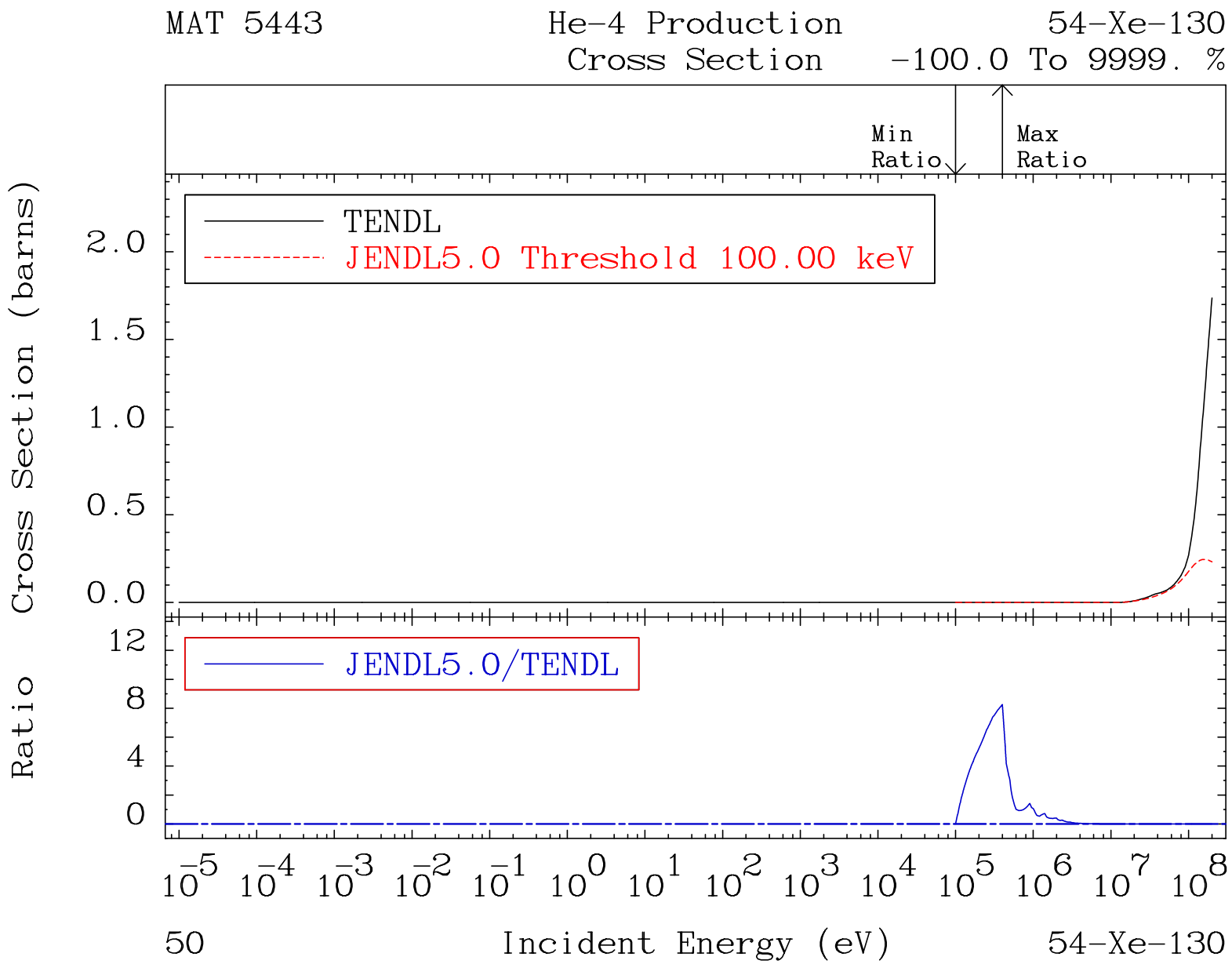

MAT 5443
(n,α)
Cross Section
54-Xe-130
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 100.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
45
54-Xe-130

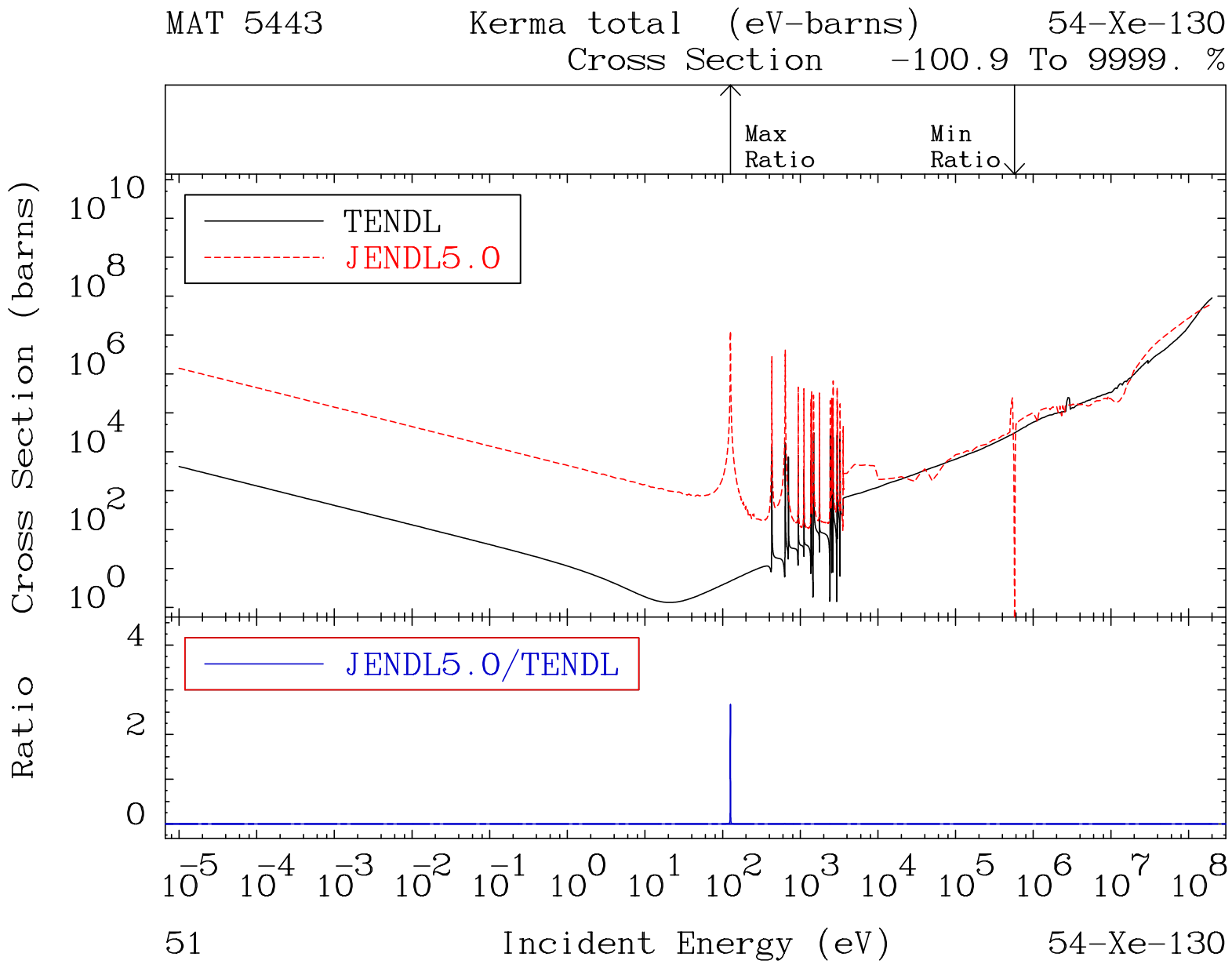

MAT 5443
Hydrogen Production
54-Xe-130
Cross Section -100.0 To 650.9 %
Min Ratio
Max Ratio
TENDL Threshold 2.1787 MeV
JENDL5.0 Threshold 2.2000 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JENDL5.0/TENDL
Ratio
8
4
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
46
Incident Energy (eV)
54-Xe-130

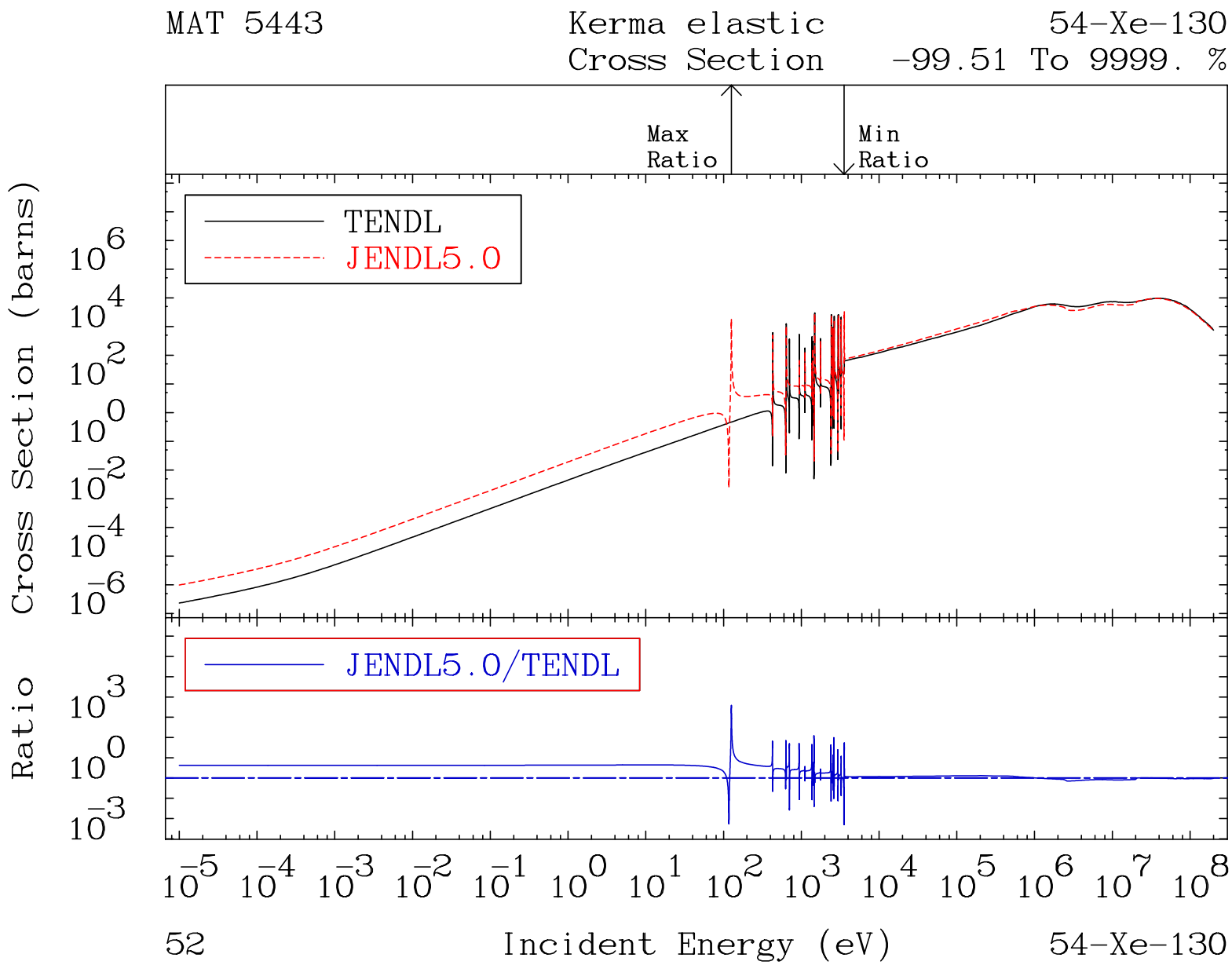

MAT 5443
Deuterium Production
54-Xe-130
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.4877 MeV
JENDL5.0 Threshold 6.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
12
8
4
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
47
Incident Energy (eV)
54-Xe-130

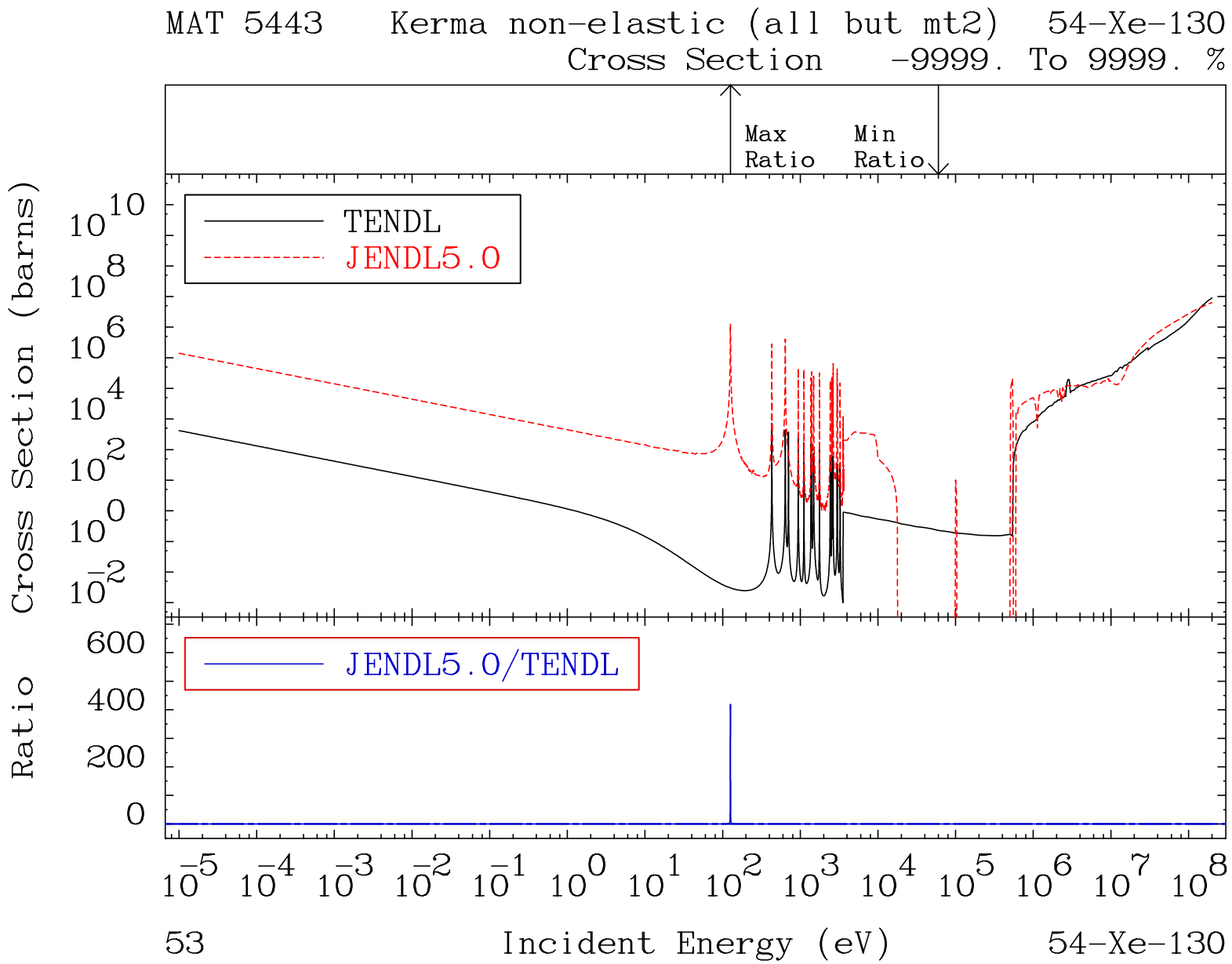

MAT 5443
Tritium Production
54-Xe-130
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 9.0910 MeV
JENDL5.0 Threshold 9.0923 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
54-Xe-130

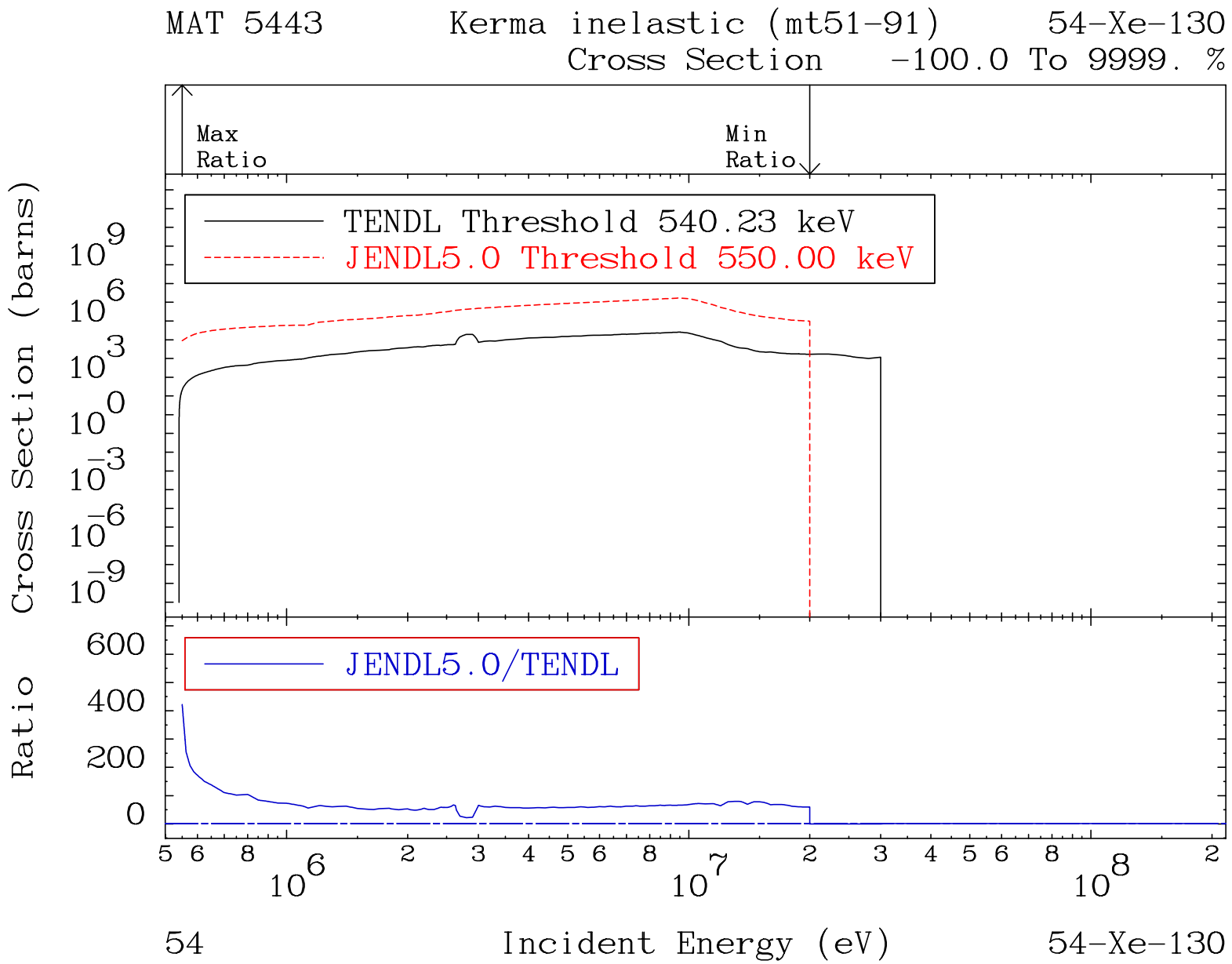

MAT 5443
He-3 Production
54-Xe-130
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 7.8067 MeV
JENDL5.0 Threshold 8.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
6
4
2
0
8
2
3
4
5
6
7
8
2
10^7
10^8
49
Incident Energy (eV)
54-Xe-130

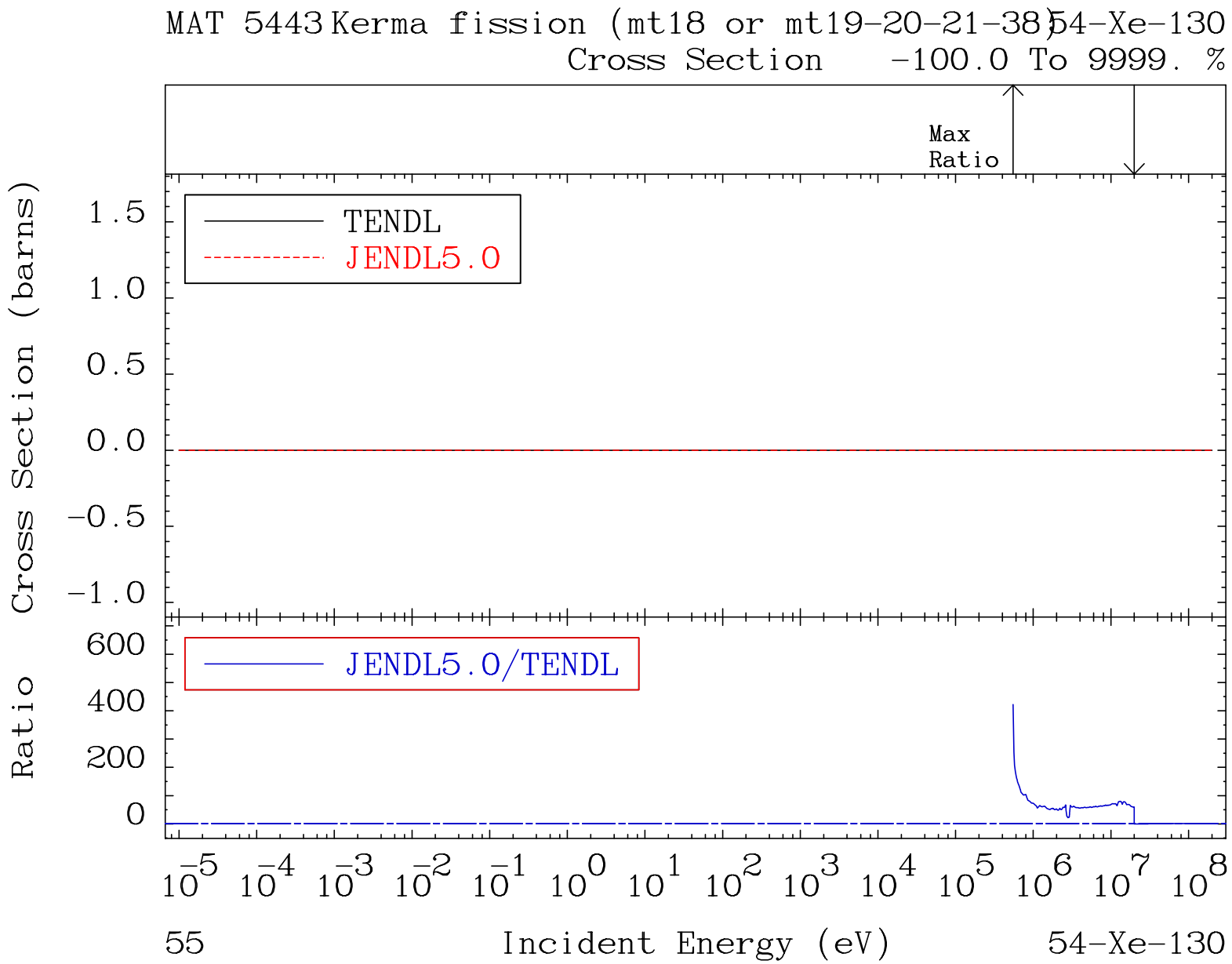

MAT 5443
He-4 Production
Cross Section
54-Xe-130
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 100.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
12
8
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
50
Incident Energy (eV)
54-Xe-130

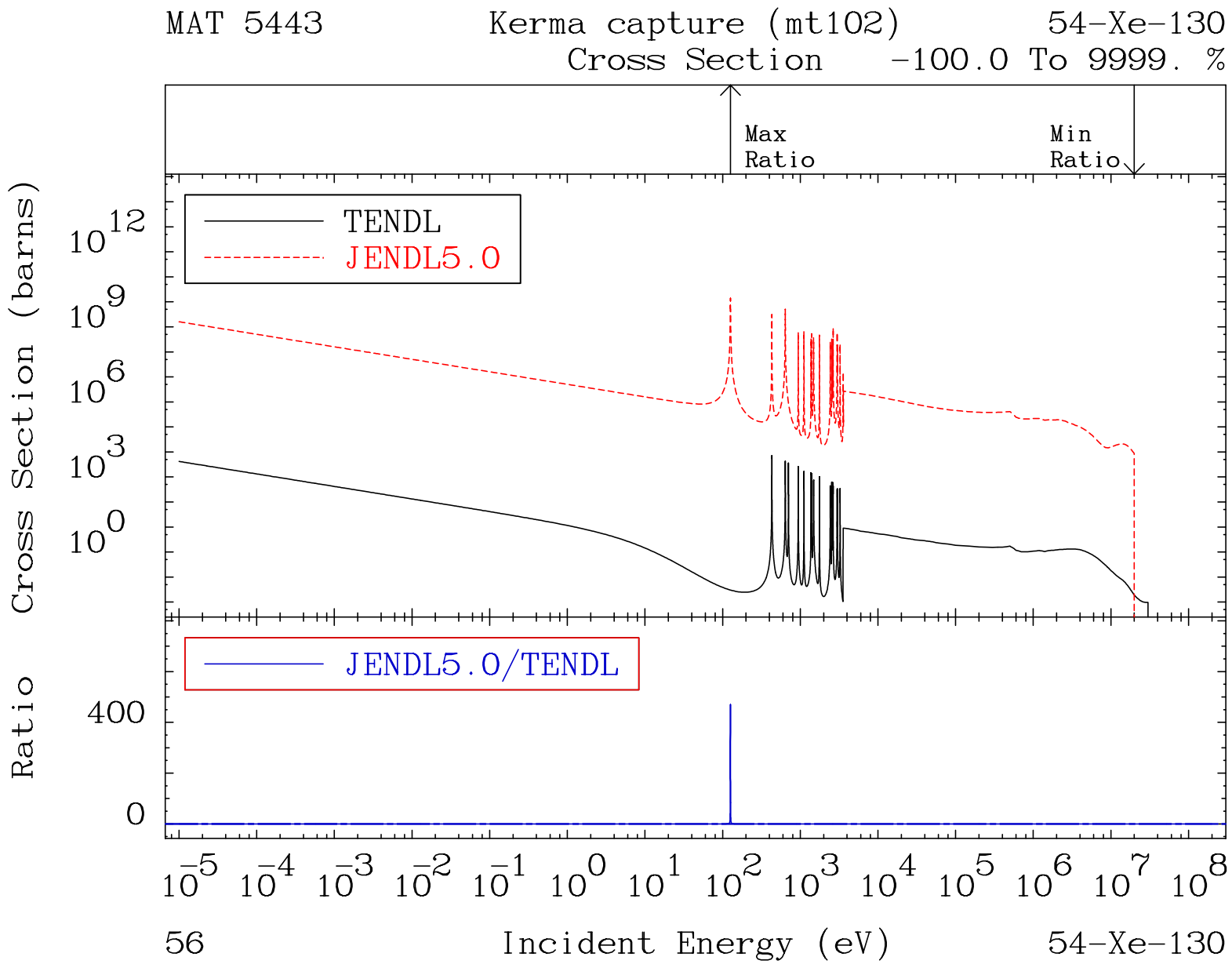

MAT 5443
Kerma total (eV-barns)
54-Xe-130
Cross Section -100.9 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
51
54-Xe-130

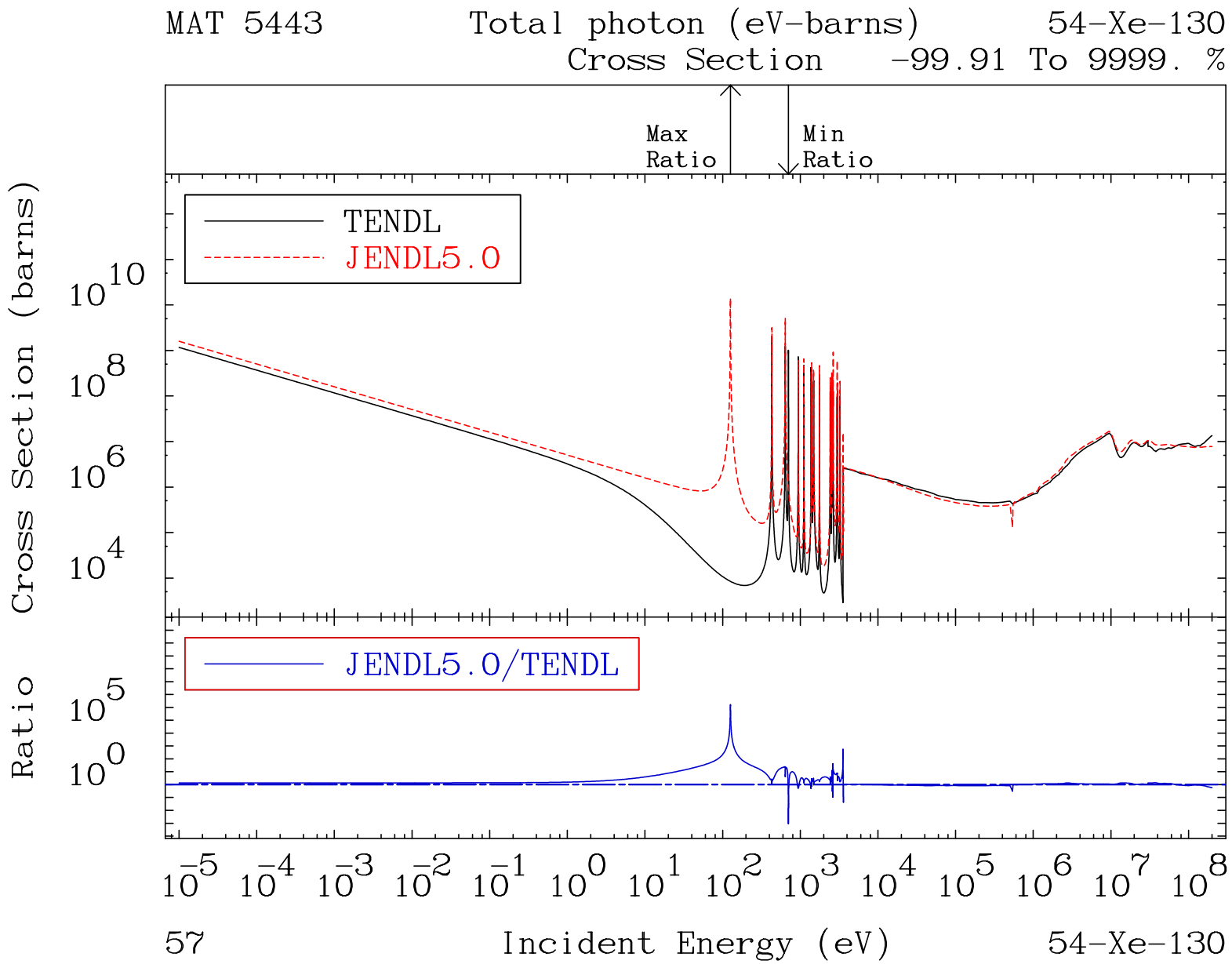

MAT 5443
Kerma elastic
54-Xe-130
Cross Section
-99.51 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
54-Xe-130

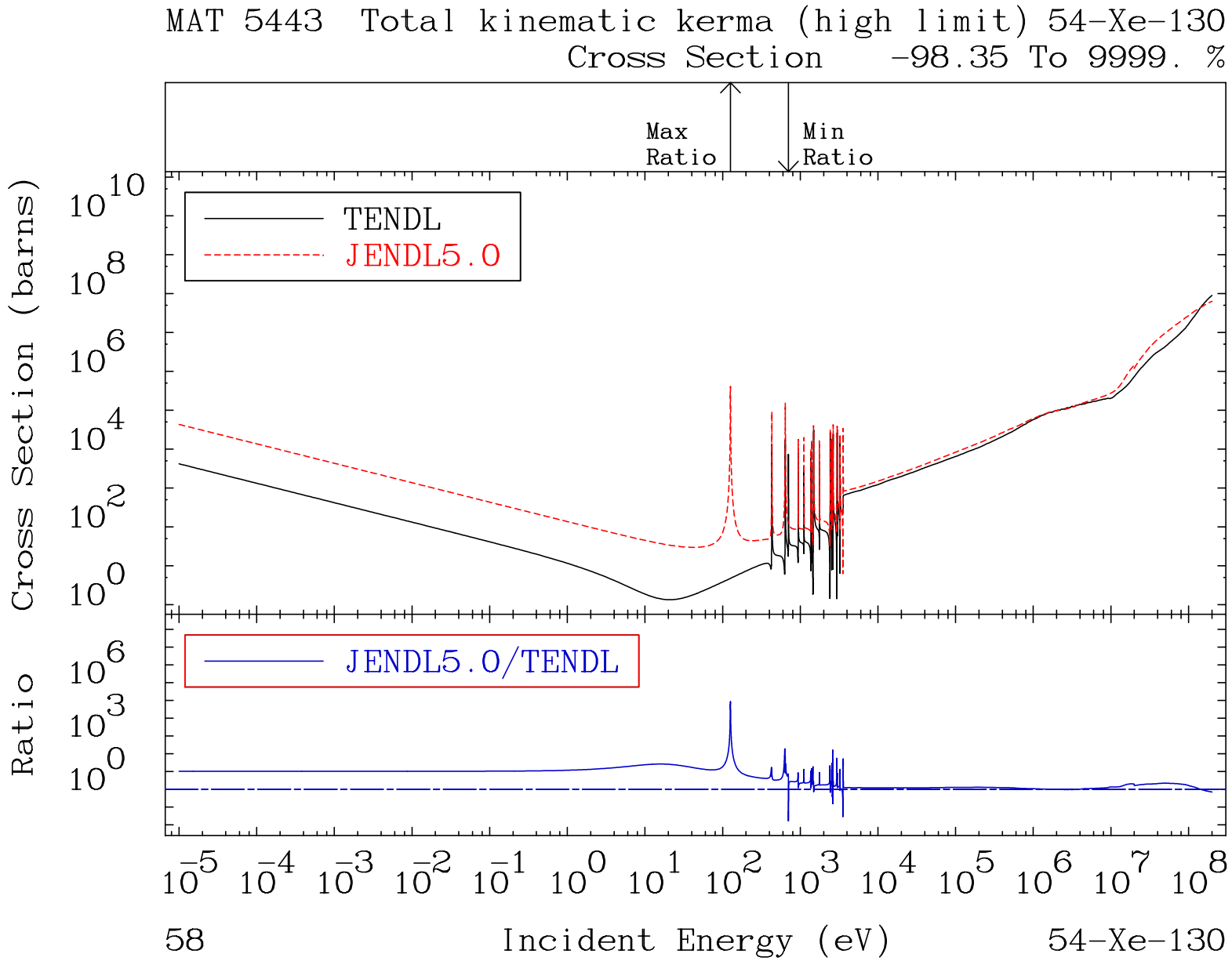

MAT 5443 Kerma non-elastic (all but mt2) 54-Xe-130
Cross Section -9999. To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
54-Xe-130

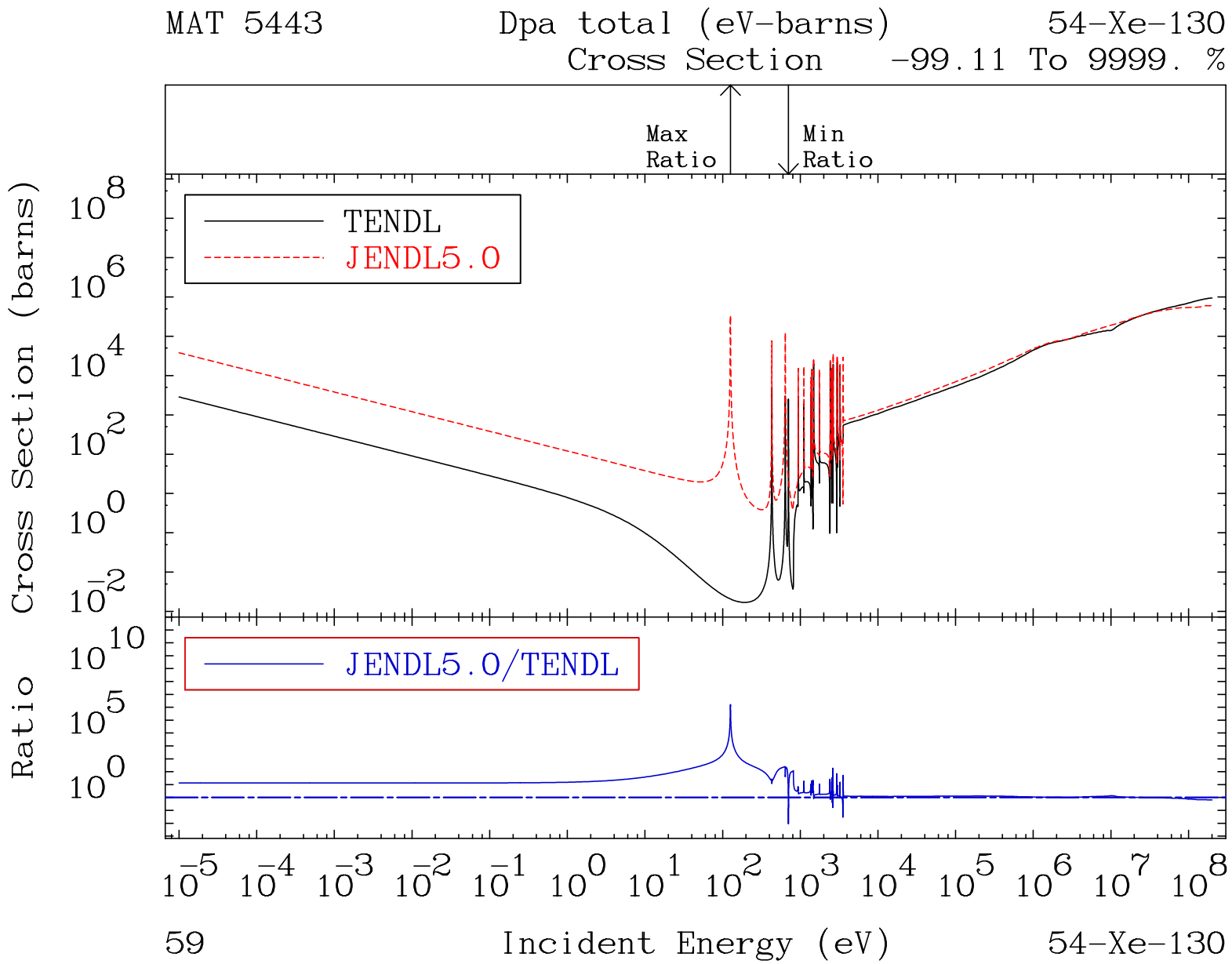

MAT 5443
Kerma inelastic (mt51-91)
54-Xe-130
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 540.23 keV
JENDL5.0 Threshold 550.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
54-Xe-130

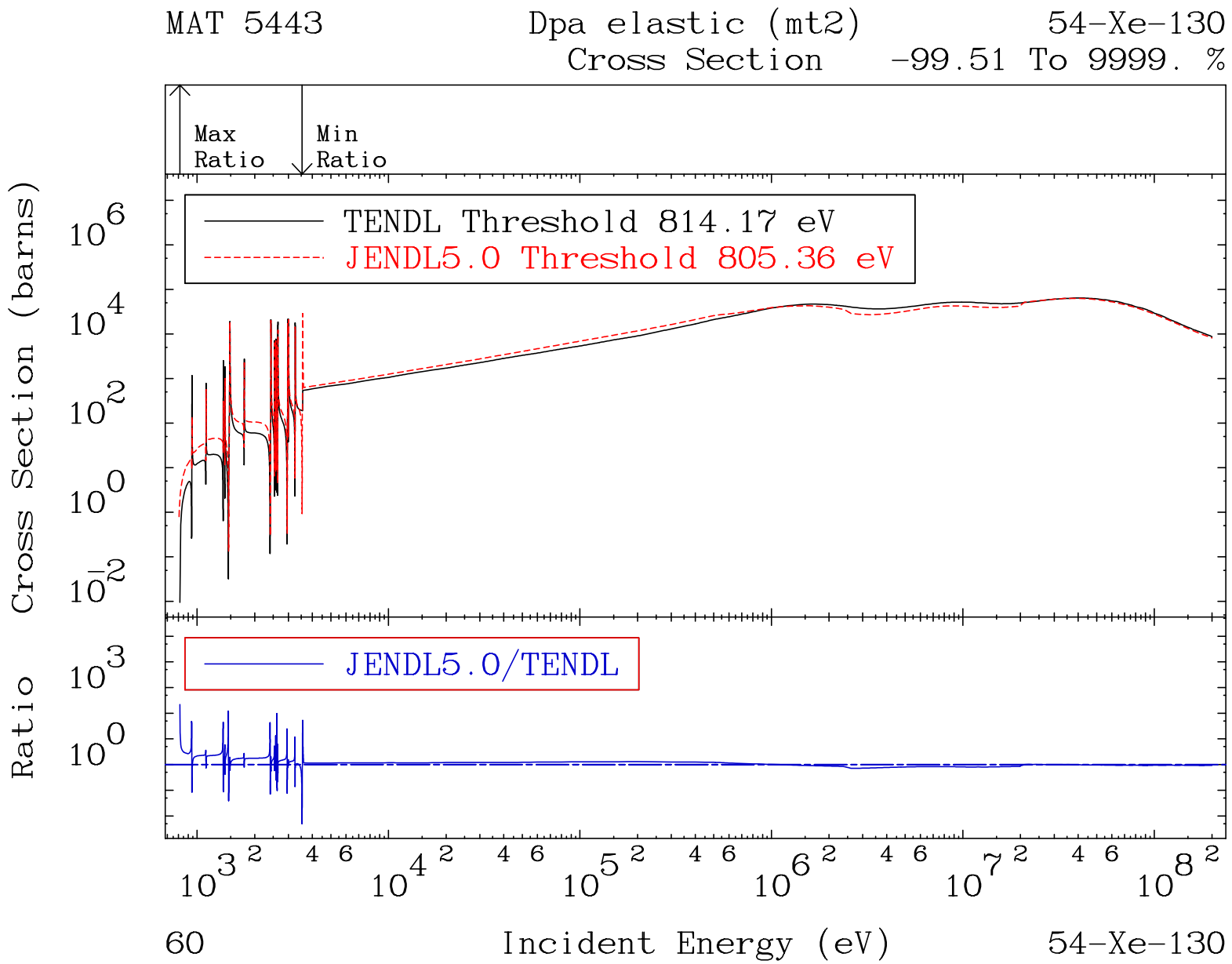

MAT 5443 Kerma fission (mt18 or mt19-20-21-38) 54-Xe-130
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
600
400
200
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
55
Incident Energy (eV)
54-Xe-130

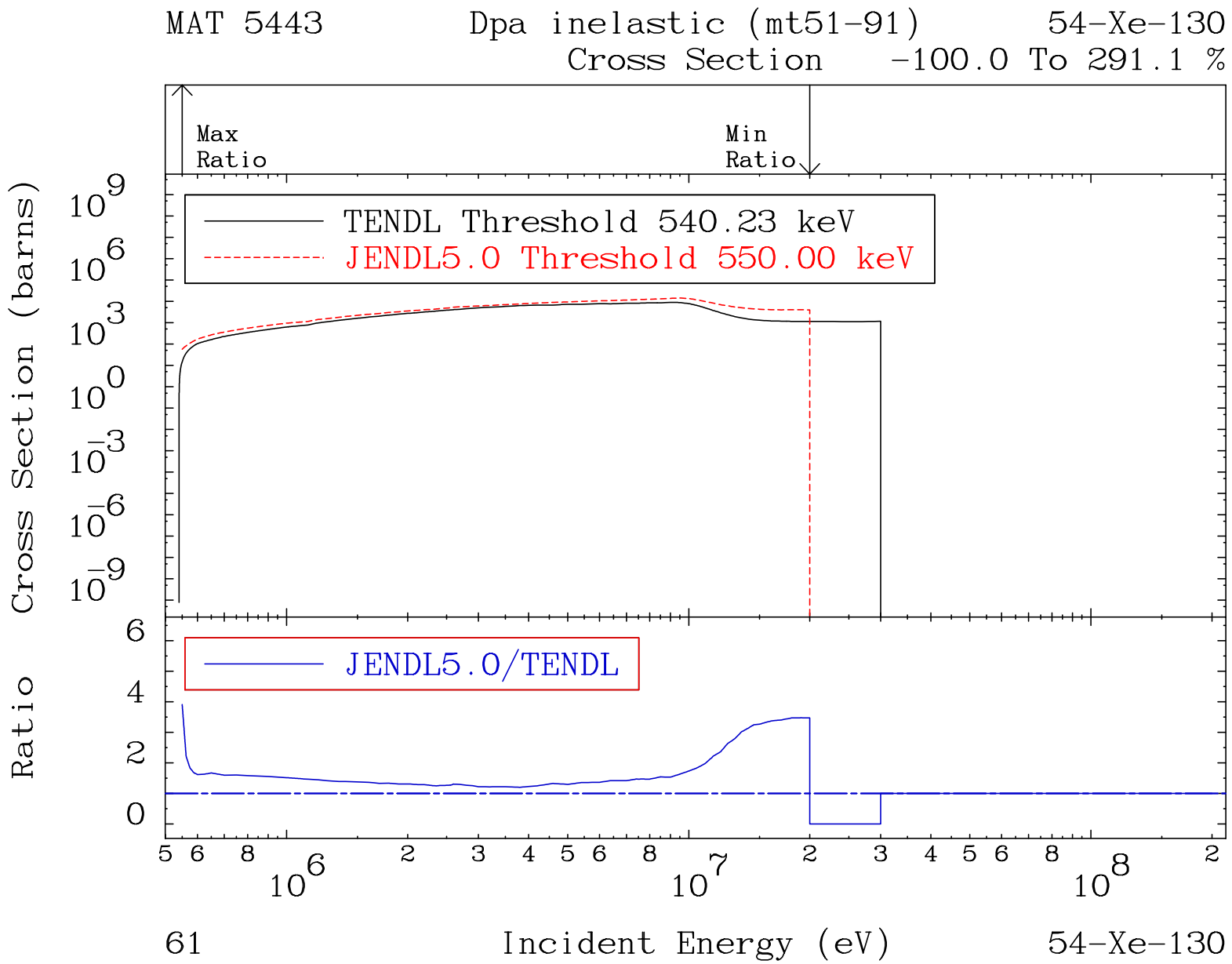

MAT 5443
Kerma capture (mt102)
54-Xe-130
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^{12}
10^{9}
10^{6}
10^{3}
10^{0}
JENDL5.0/TENDL
Ratio
400
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
56
Incident Energy (eV)
54-Xe-130

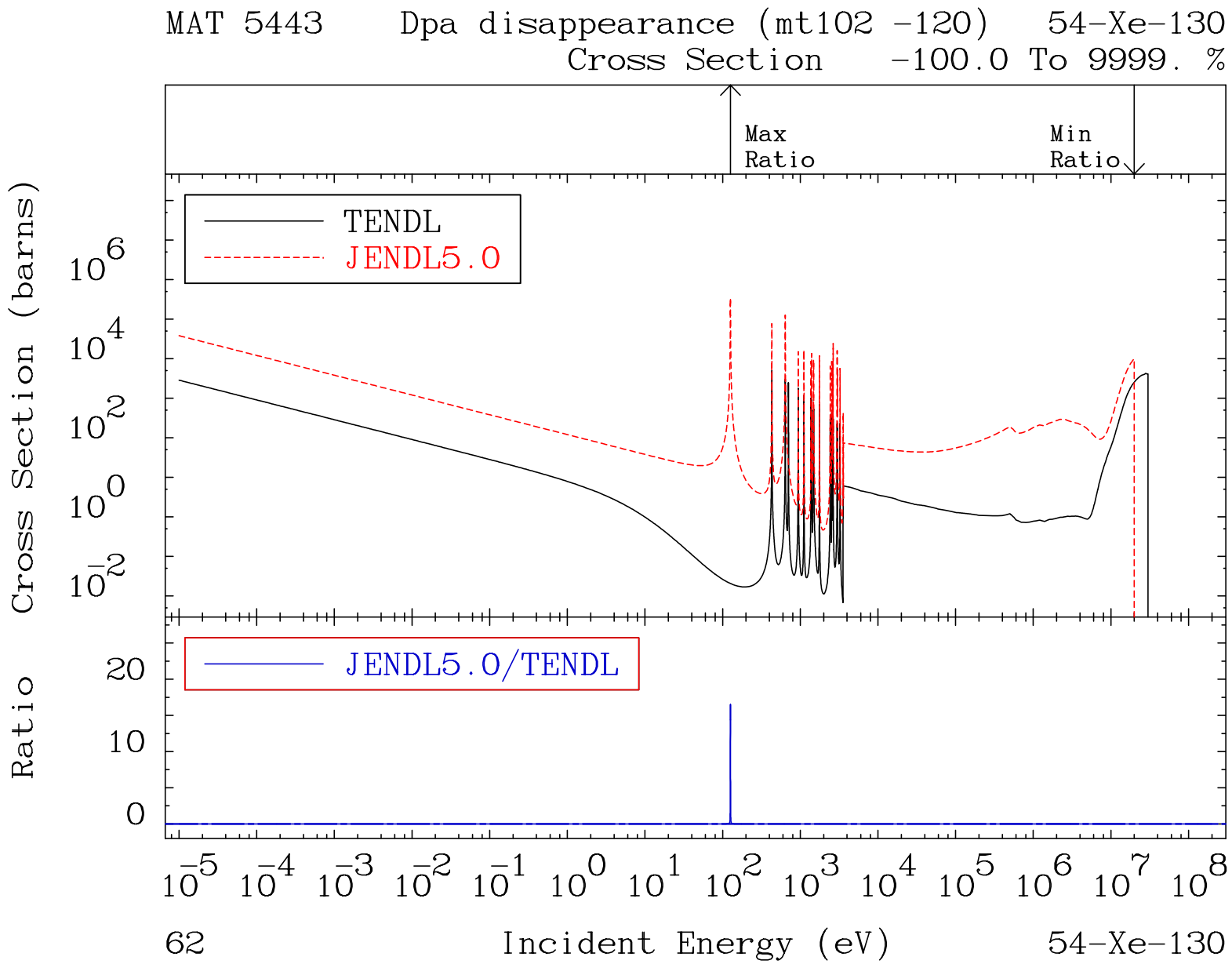

MAT 5443
Total photon (eV-barns)
54-Xe-130
Cross Section -99.91 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^{10}
10^{8}
10^{6}
10^{4}
JENDL5.0/TENDL
Ratio
10^{5}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
57
Incident Energy (eV)
54-Xe-130

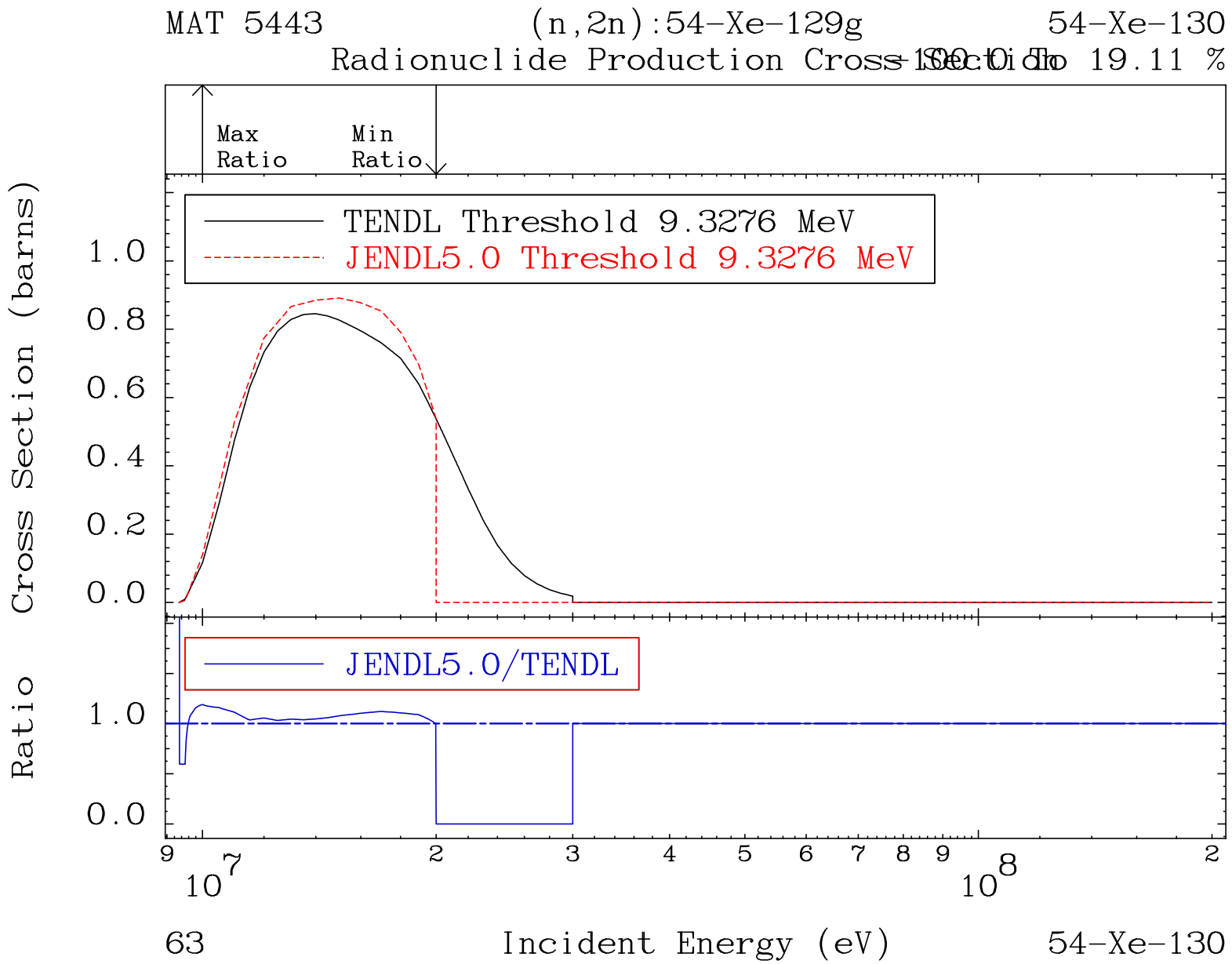

MAT 5443 Total kinematic kerma (high limit) 54-Xe-130
Cross Section -98.35 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
54-Xe-130

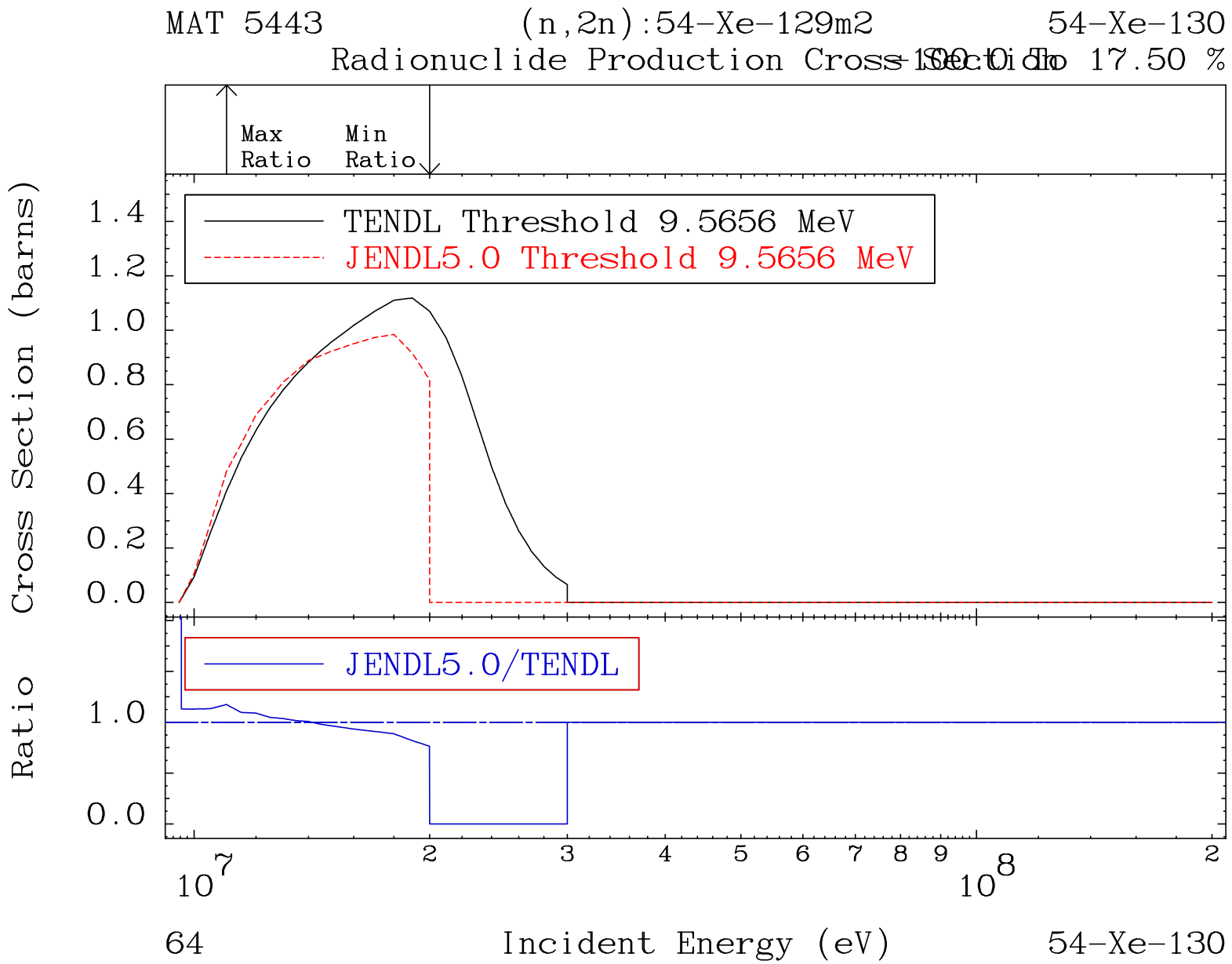

MAT 5443
Dpa total (eV-barns)
54-Xe-130
Cross Section -99.11 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
54-Xe-130

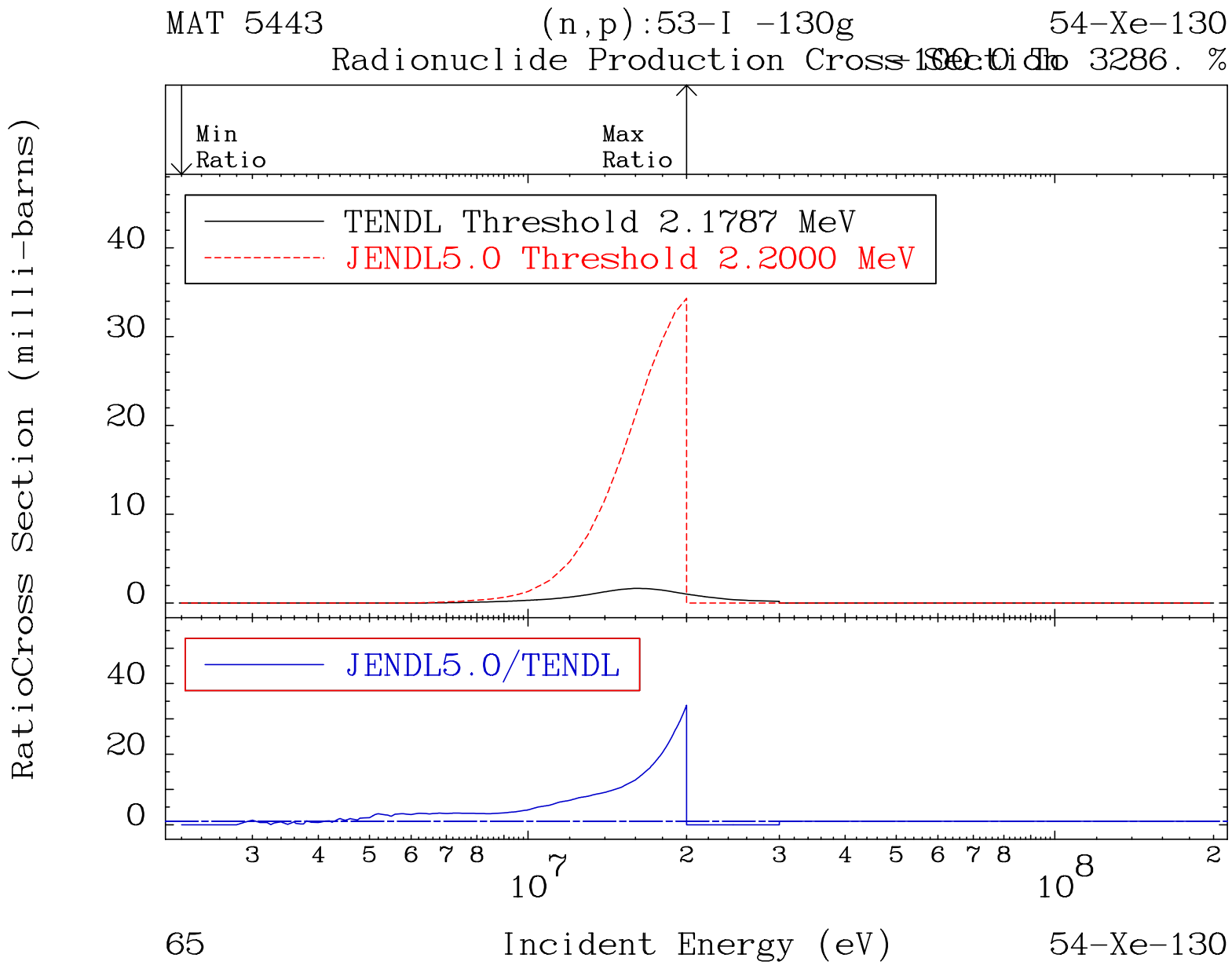

MAT 5443
Dpa elastic (mt2)
Cross Section
54-Xe-130
-99.51 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 814.17 eV
JENDL5.0 Threshold 805.36 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
54-Xe-130

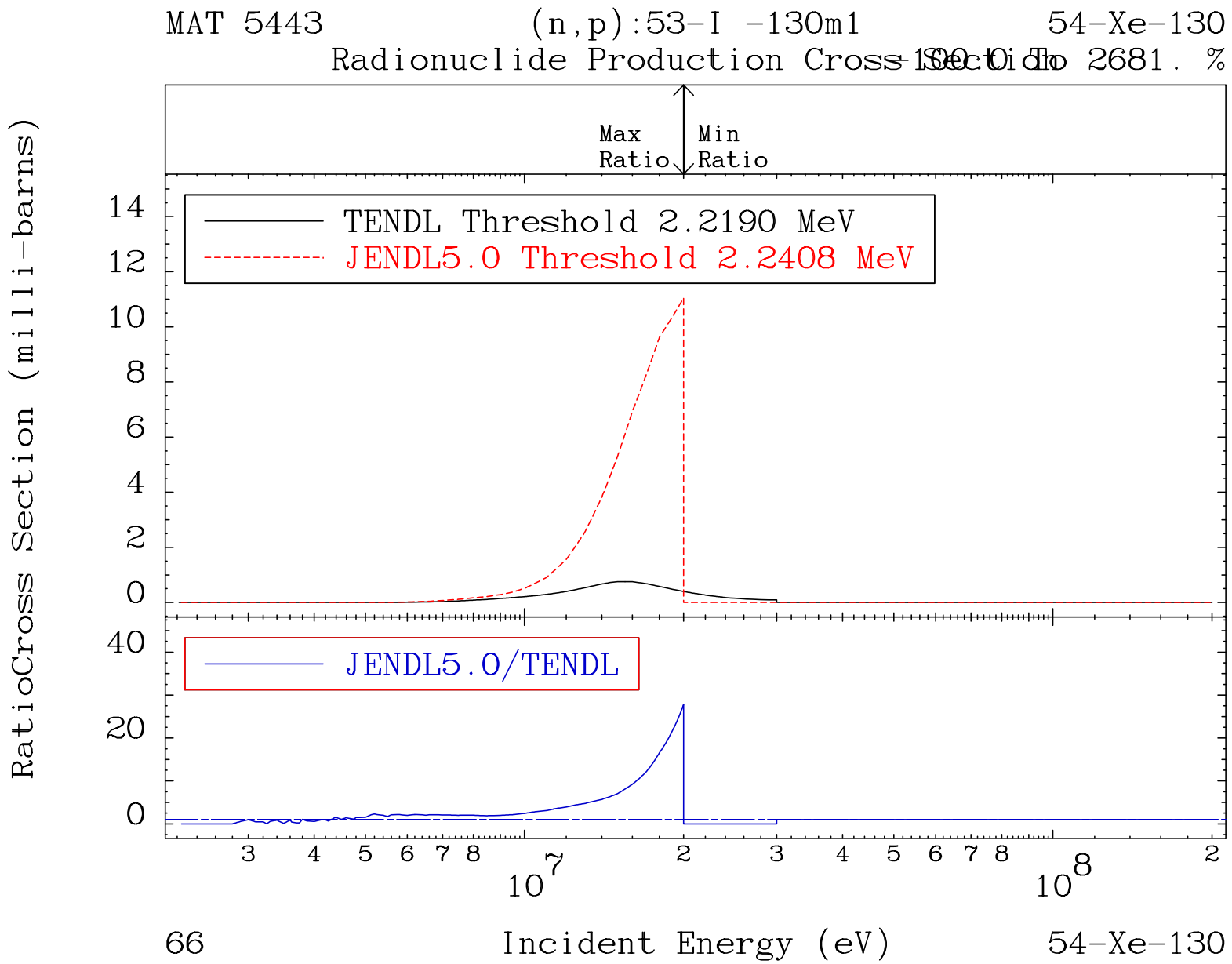

MAT 5443
Dpa inelastic (mt51-91)
54-Xe-130
Cross Section -100.0 To 291.1 %
Max Ratio
Min Ratio
TENDL Threshold 540.23 keV
JENDL5.0 Threshold 550.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
54-Xe-130


MAT 5443 Dpa disappearance (mt102 -120) 54-Xe-130
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
62
54-Xe-130


MAT 5443
(n,2n):54-Xe-129g
54-Xe-130
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 9.3276 MeV
JENDL5.0 Threshold 9.3276 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
63
Incident Energy (eV)
54-Xe-130


MAT 5443
(n,2n):54-Xe-129m2
54-Xe-130
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 9.5656 MeV
JENDL5.0 Threshold 9.5656 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
54-Xe-130


MAT 5443
(n,p):53-I -130g
54-Xe-130
Radionuclide Production Cross Section
+-100.0 To 3286. %
Min
Ratio
Max
Ratio
TENDL Threshold 2.1787 MeV
JENDL5.0 Threshold 2.2000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
40
20
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
65
Incident Energy (eV)
54-Xe-130


MAT 5443
(n,p):53-I -130m1
54-Xe-130
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 2.2190 MeV
JENDL5.0 Threshold 2.2408 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
66
54-Xe-130