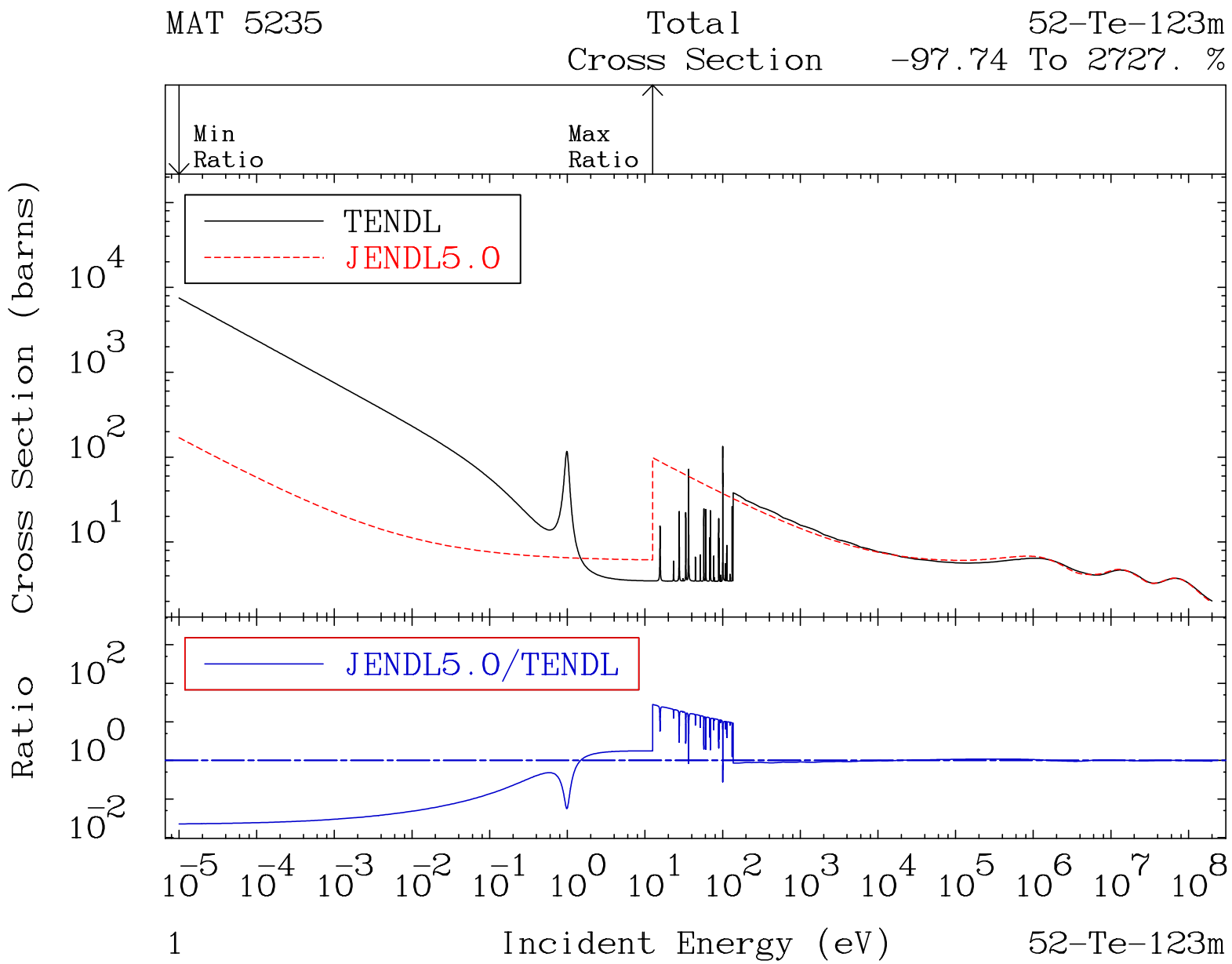
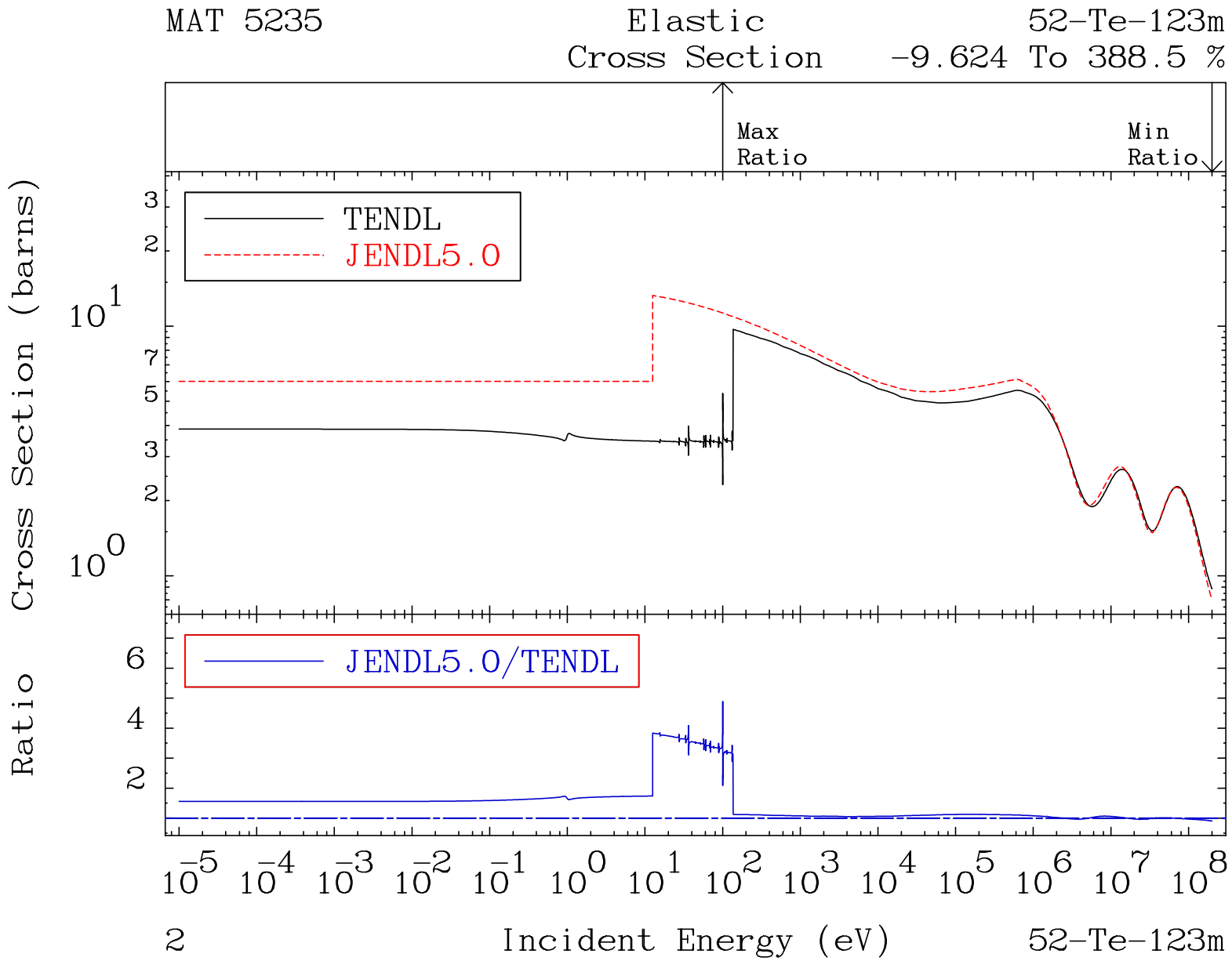
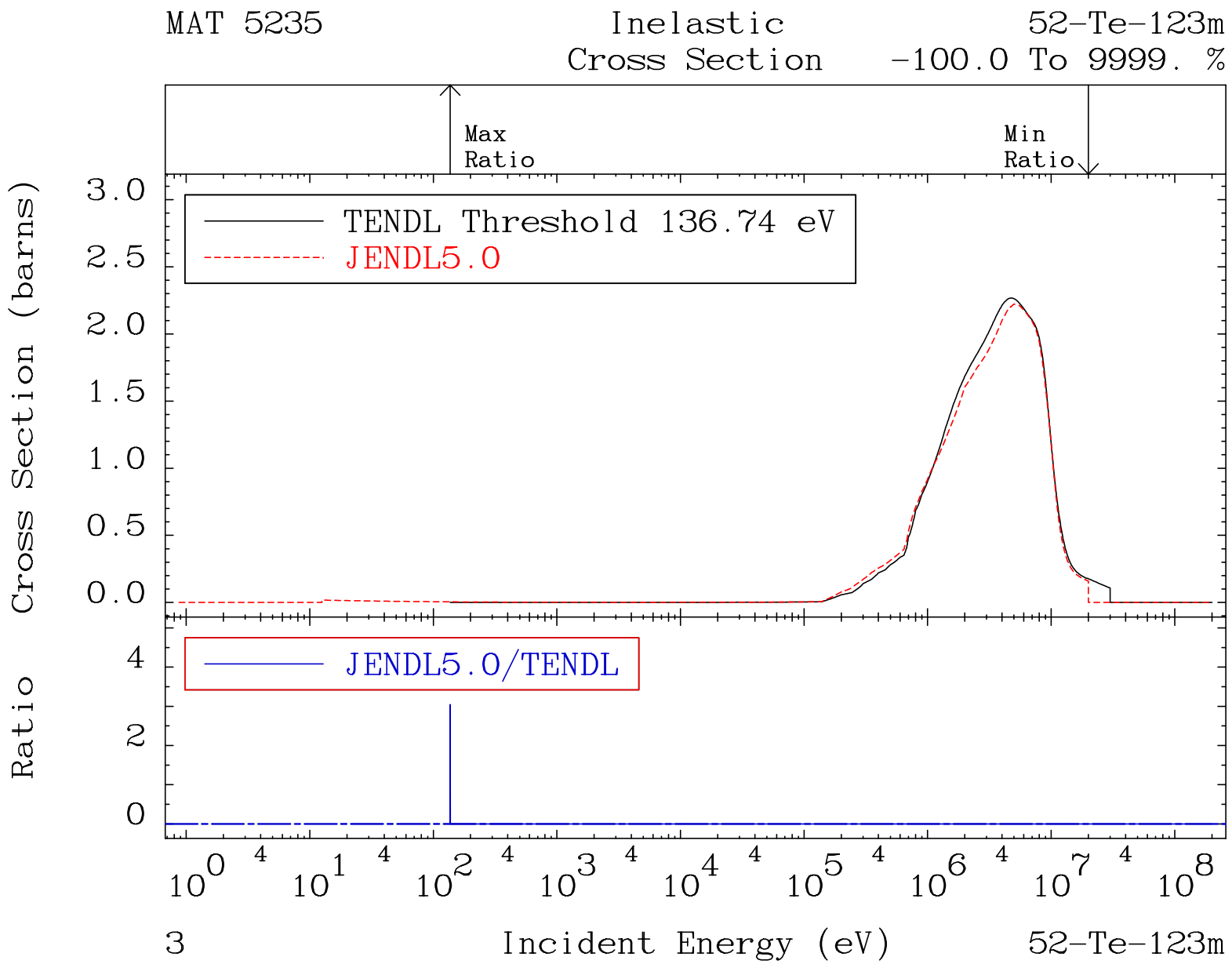
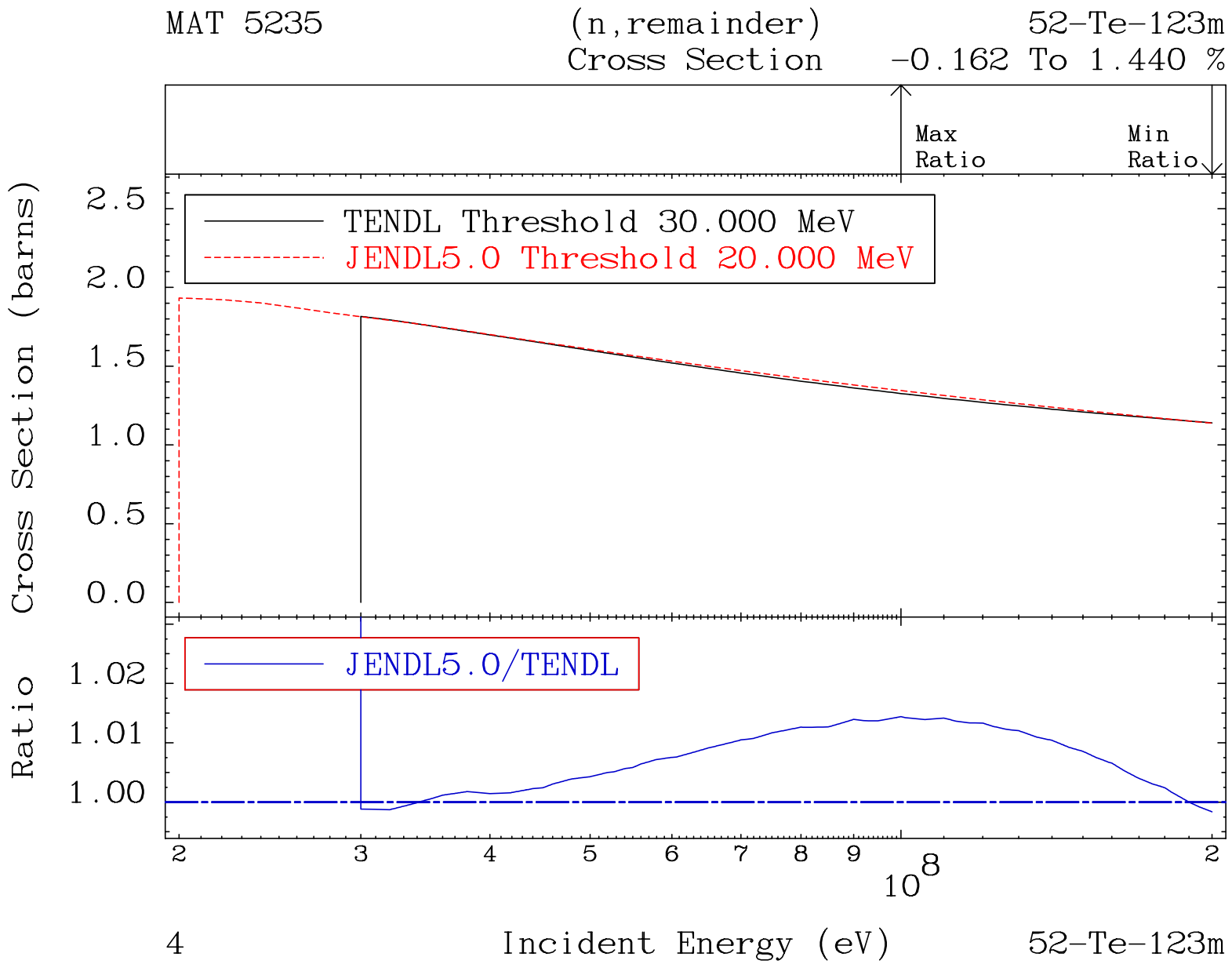
Program Complot
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

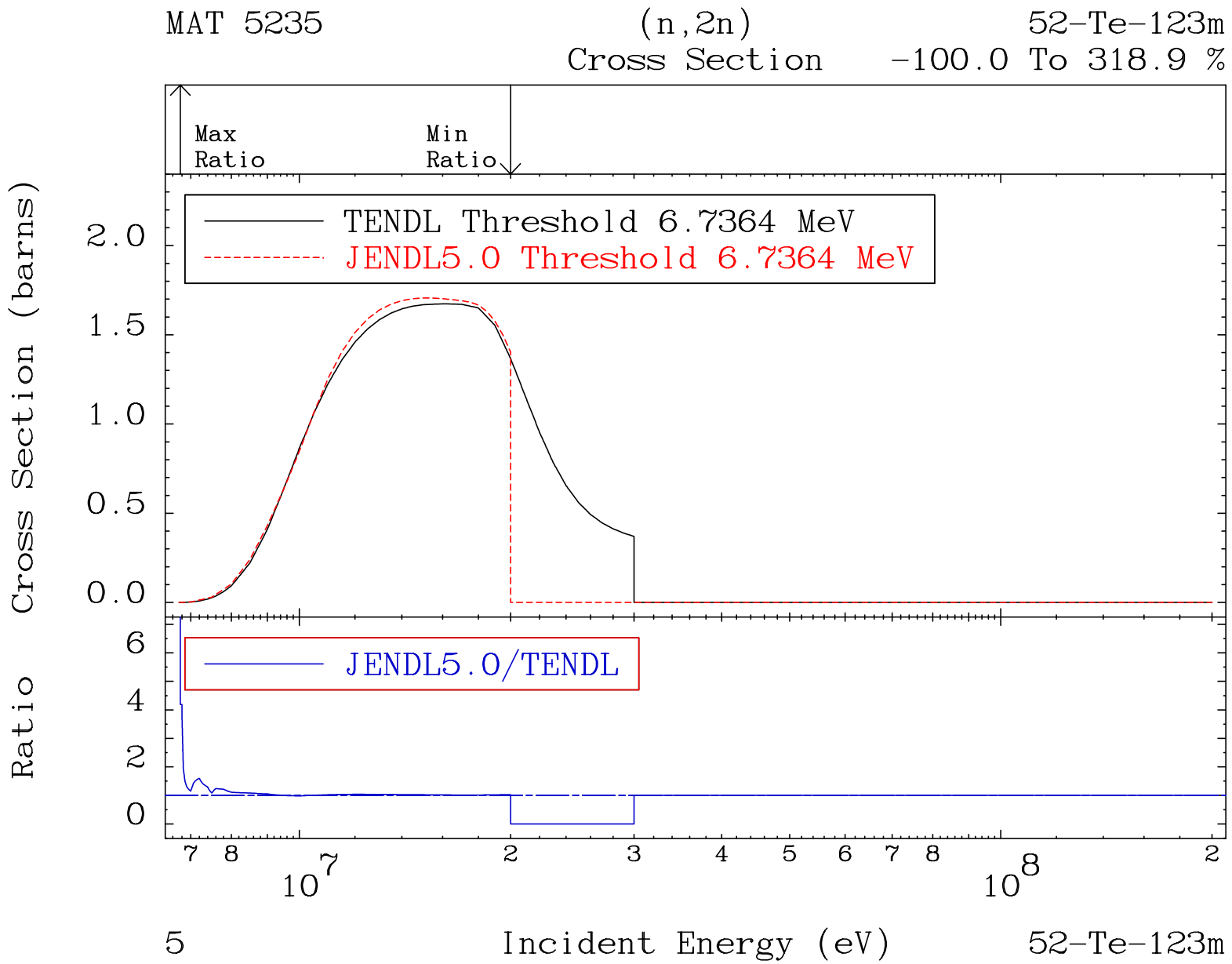
Press Mouse Button to Start

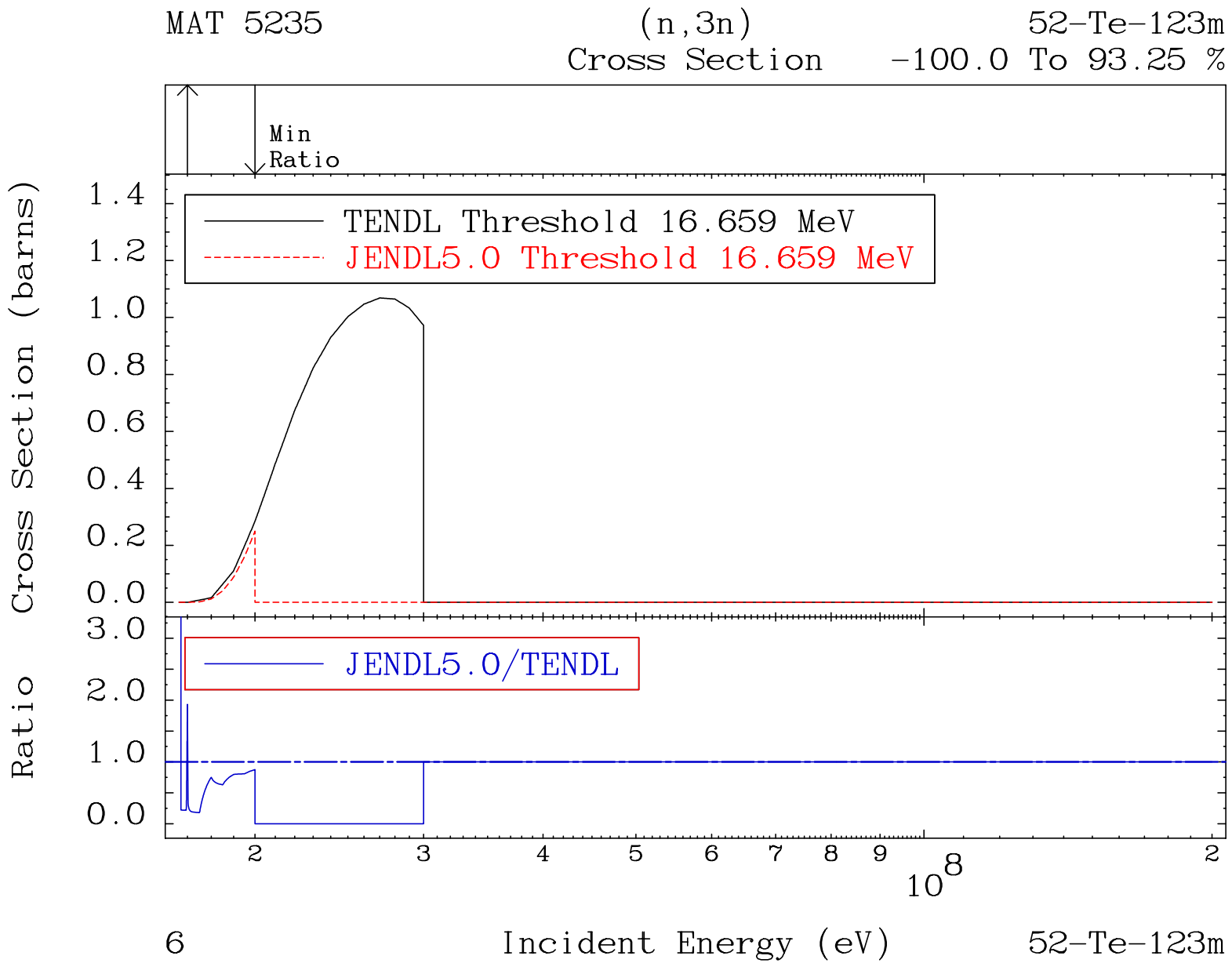

MAT 5235
Total
Cross Section
52-Te-123m
-97.74 To 2727. %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
52-Te-123m

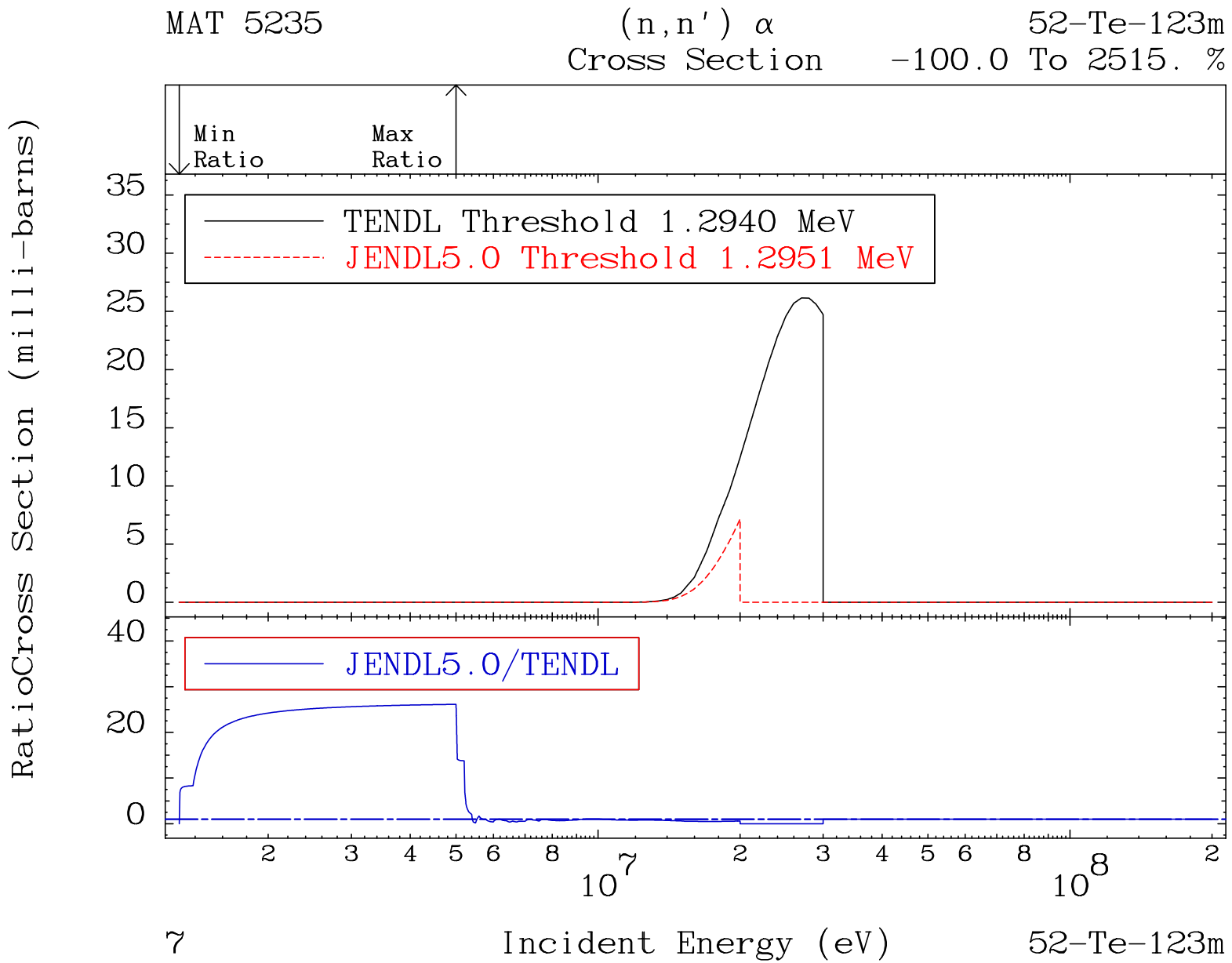

MAT 5235
Elastic
Cross Section
52-Te-123m
-9.624 To 388.5 %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
52-Te-123m

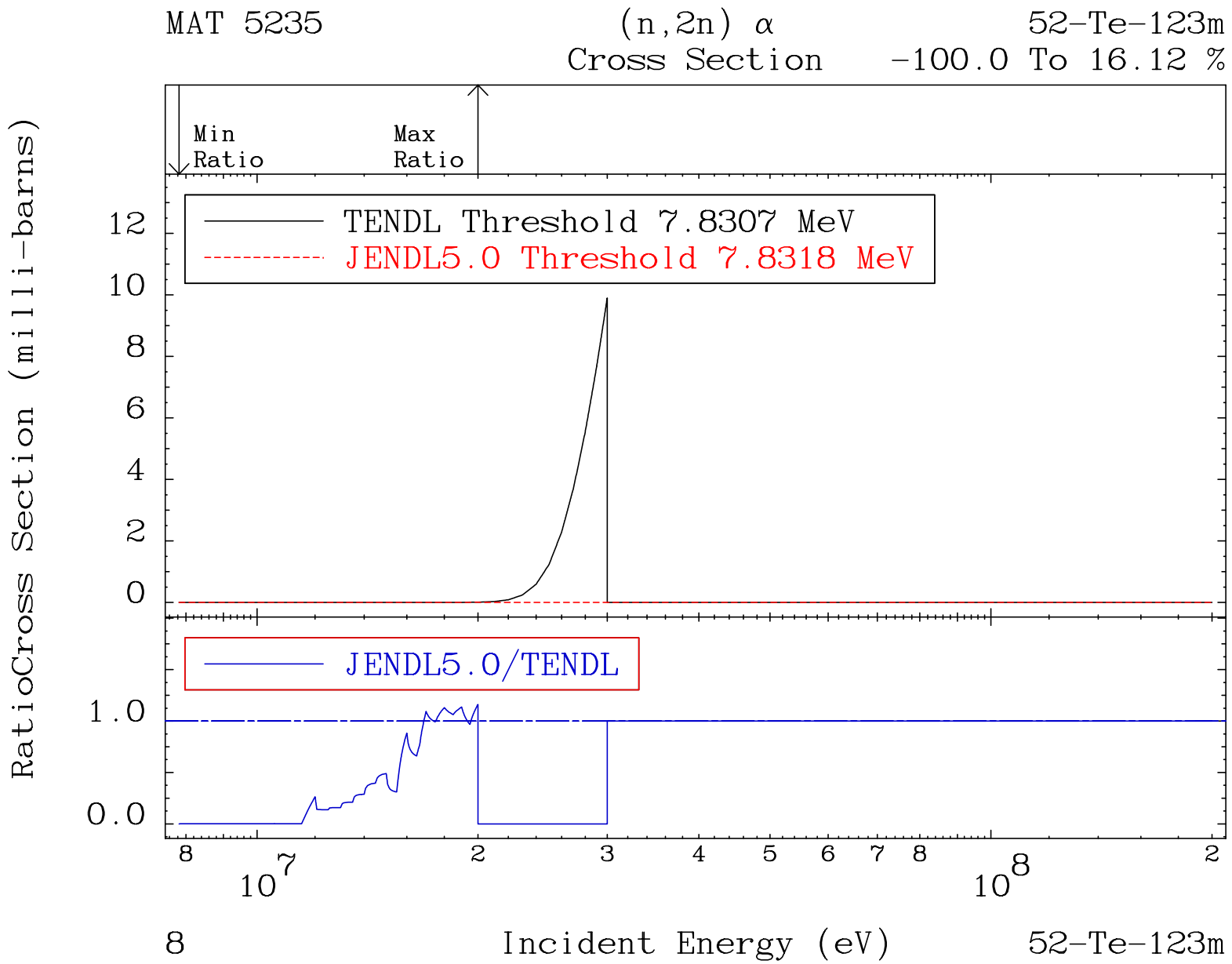

MAT 5235
Inelastic
Cross Section
52-Te-123m
-100.0 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 136.74 eV
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
52-Te-123m

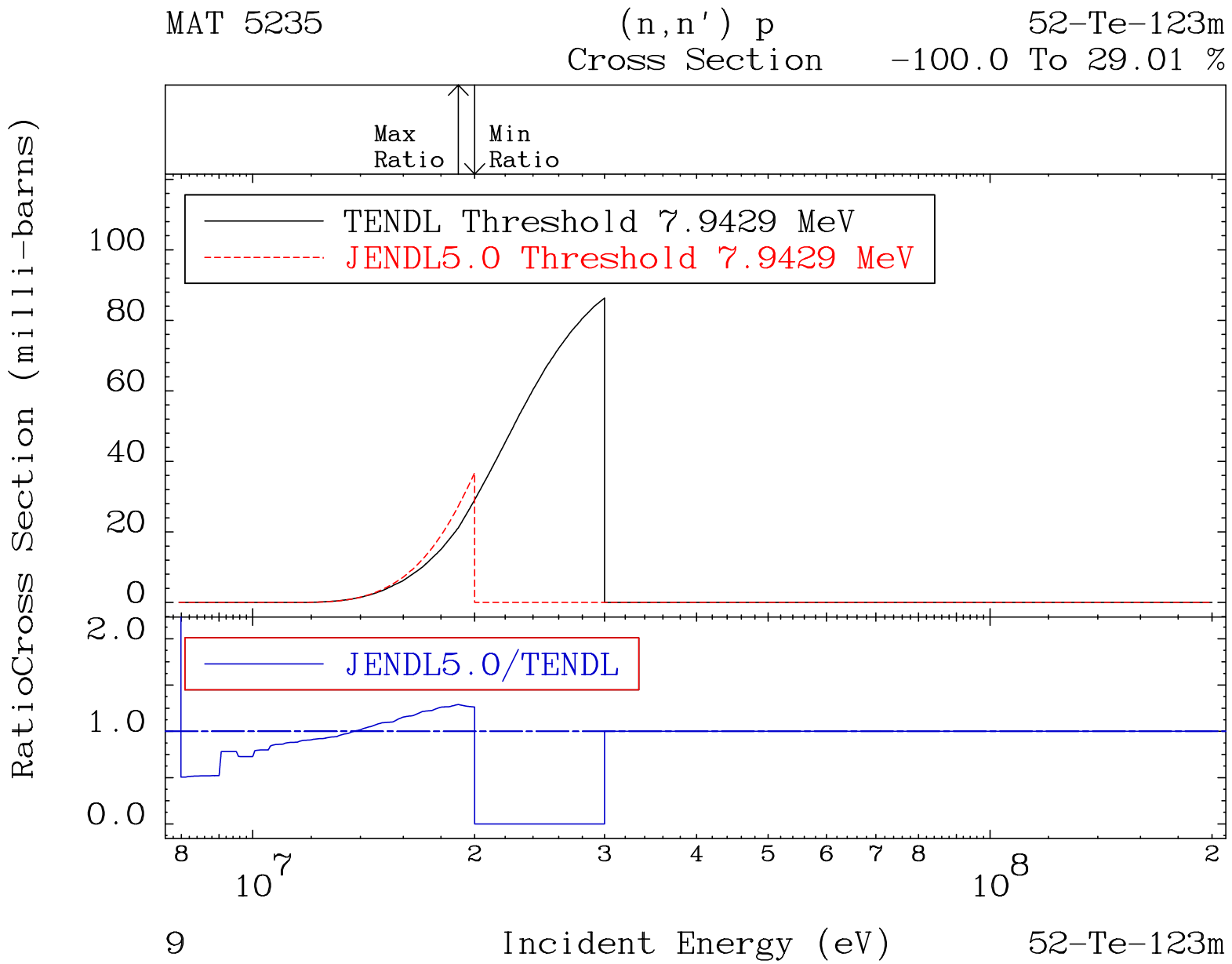

MAT 5235
(n,remainder)
Cross Section
52-Te-123m
-0.162 To 1.440 %
Max Ratio
Min Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
52-Te-123m

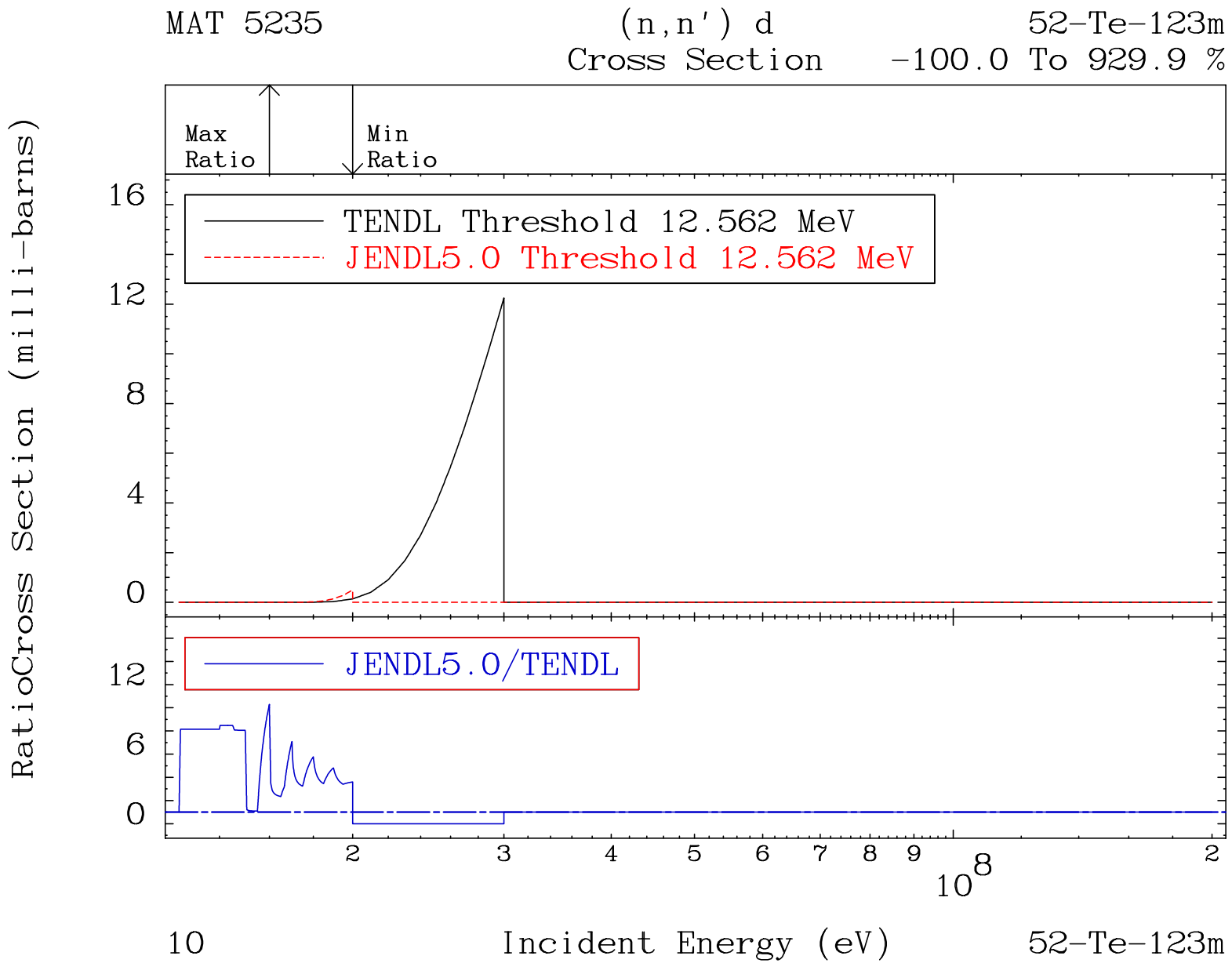

MAT 5235
(n,2n)
Cross Section
52-Te-123m
-100.0 To 318.9 %
Max Ratio
Min Ratio
TENDL Threshold 6.7364 MeV
JENDL5.0 Threshold 6.7364 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
5
52-Te-123m

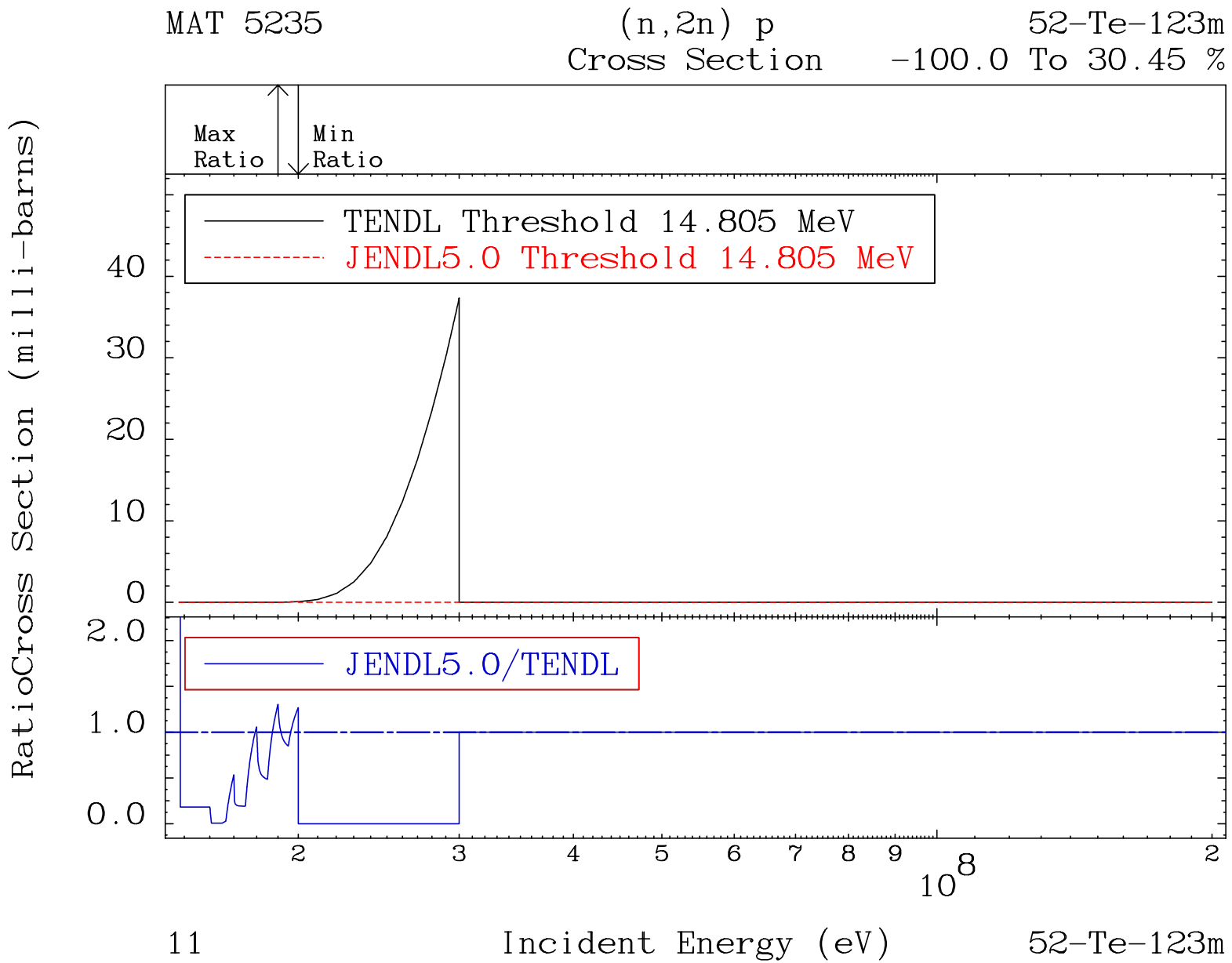

MAT 5235
(n,3n)
52-Te-123m
Cross Section
-100.0 To 93.25 %
Min
Ratio
TENDL Threshold 16.659 MeV
JENDL5.0 Threshold 16.659 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
52-Te-123m

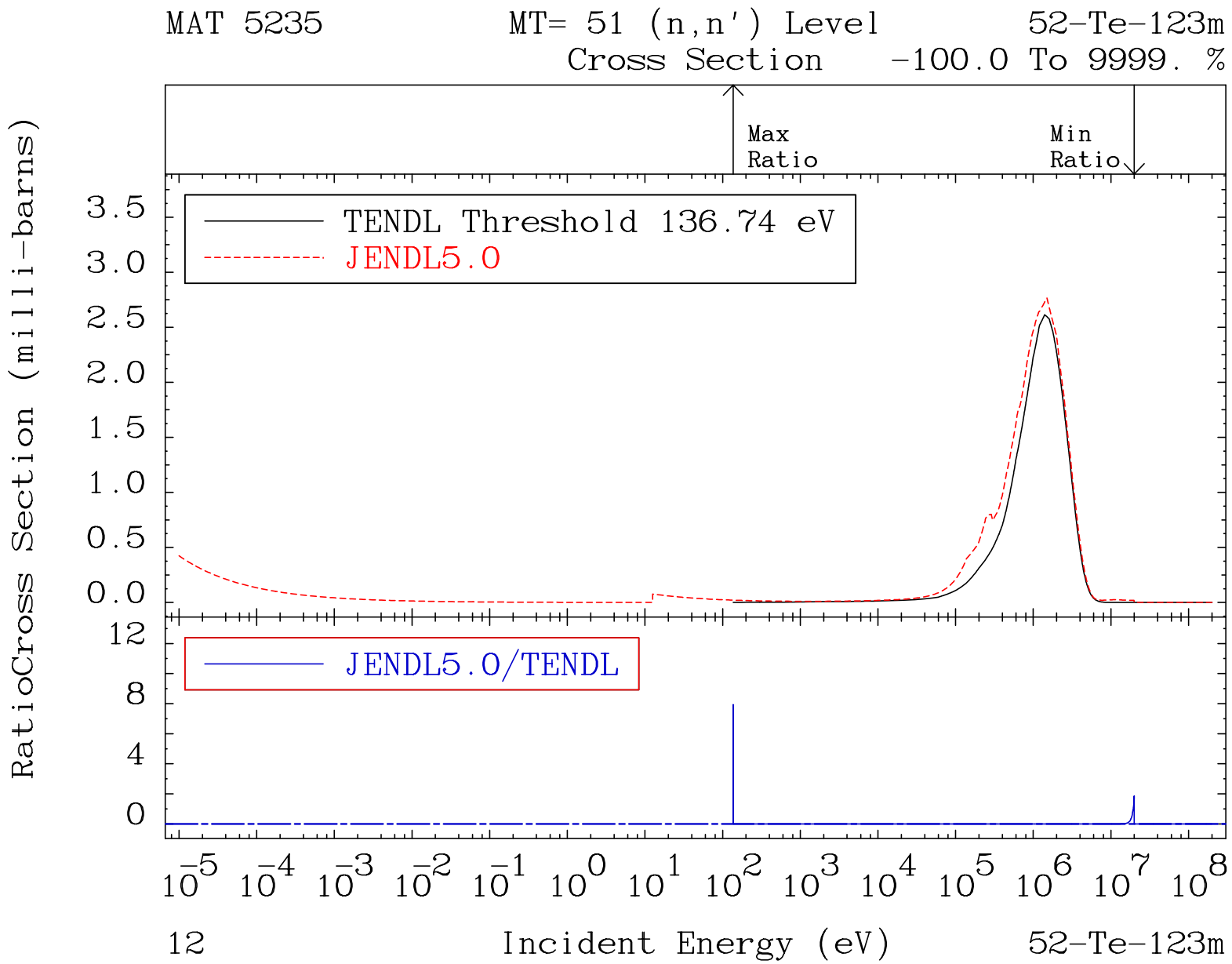

MAT 5235
(n,n') α
Cross Section
52-Te-123m
-100.0 To 2515. %
Min Ratio
Max Ratio
TENDL Threshold 1.2940 MeV
JENDL5.0 Threshold 1.2951 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
52-Te-123m
35
30
25
20
15
10
5
0
40
20
0
2
3
4
5
6
8
10^7
10^8

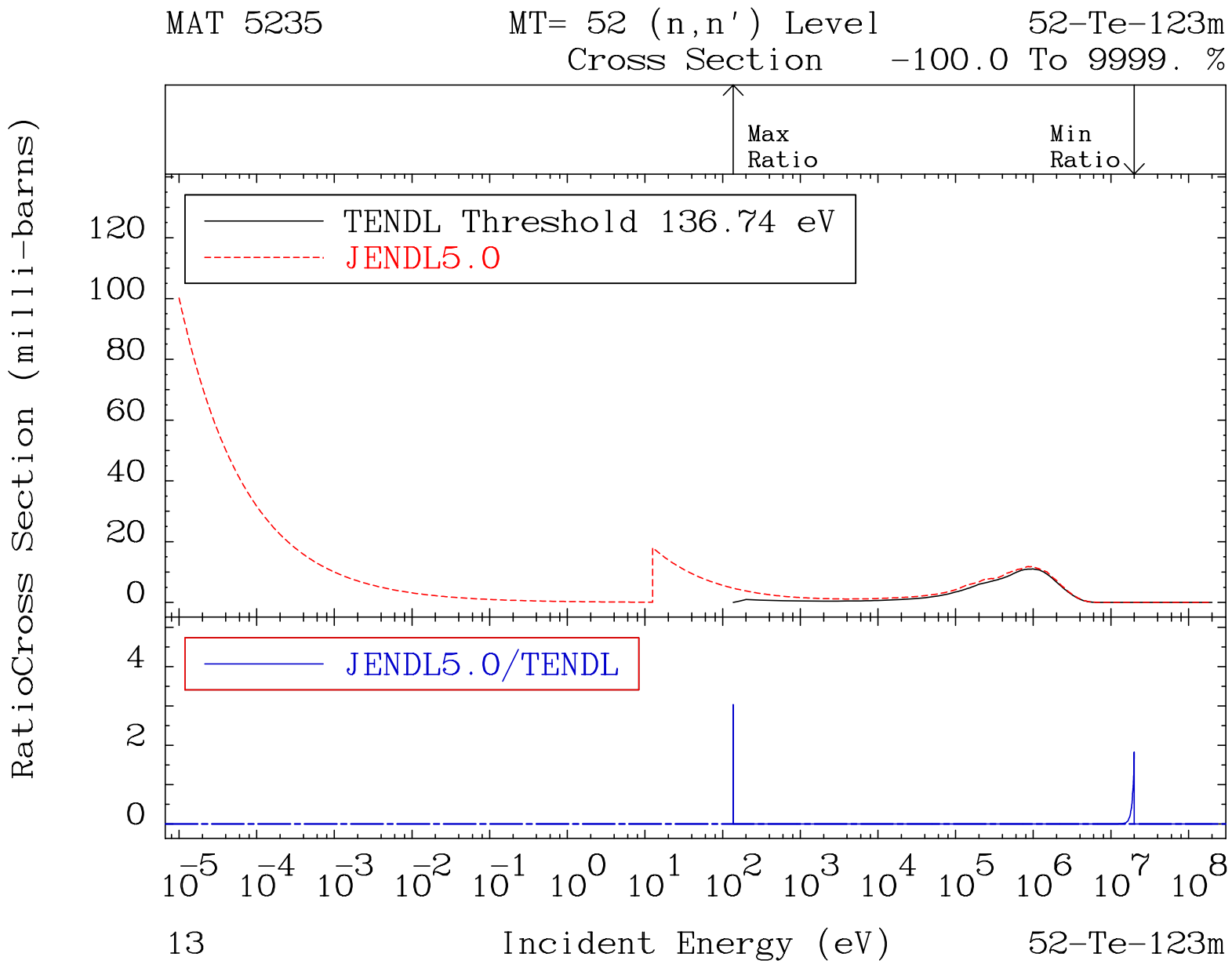

MAT 5235
(n,2n) α
52-Te-123m
Cross Section
-100.0 To 16.12 %
Min Ratio
Max Ratio
TENDL Threshold 7.8307 MeV
JENDL5.0 Threshold 7.8318 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
8
Incident Energy (eV)
52-Te-123m

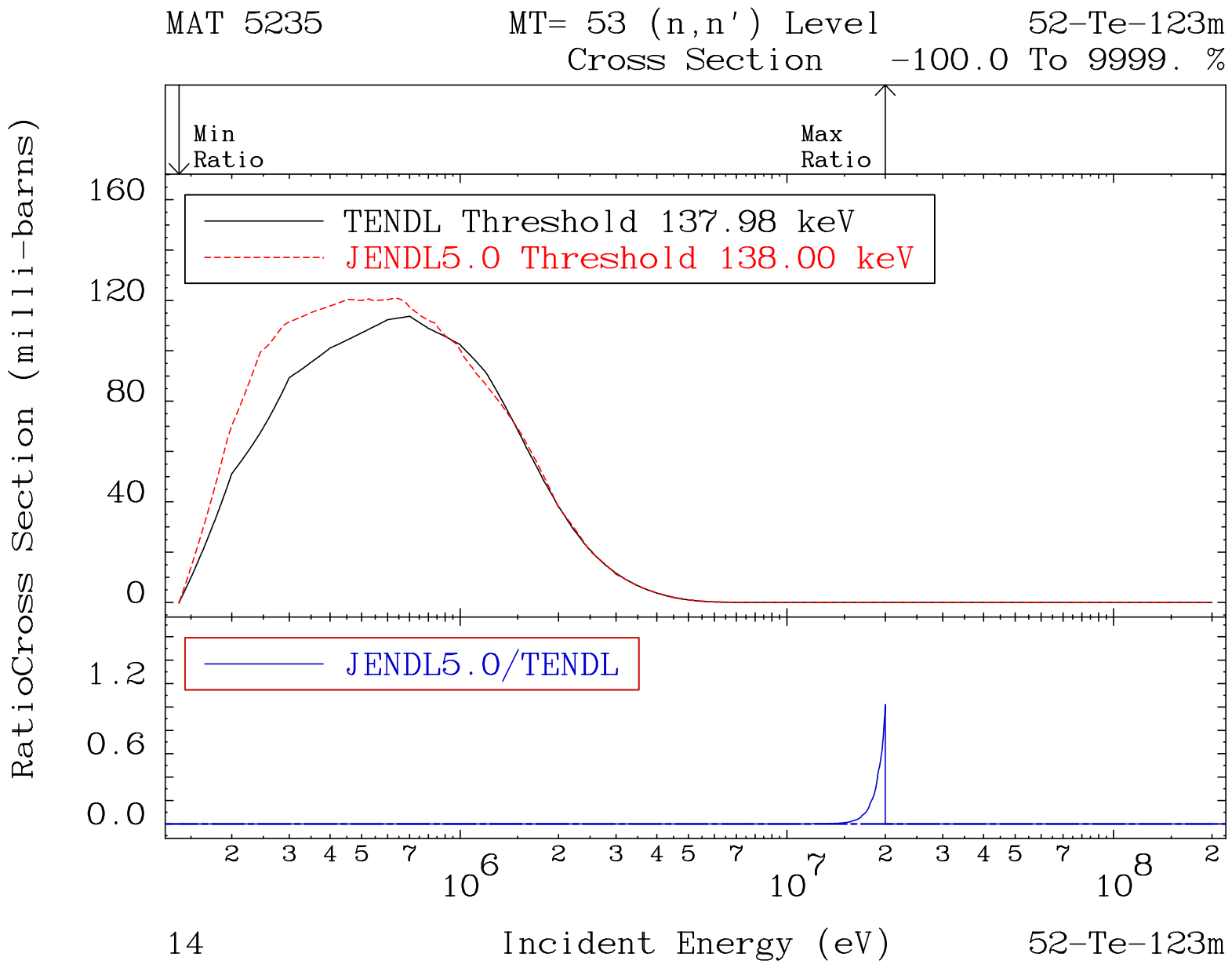

MAT 5235
(n,n') p
Cross Section
52-Te-123m
-100.0 To 29.01 %
Max Ratio
Min Ratio
TENDL Threshold 7.9429 MeV
JENDL5.0 Threshold 7.9429 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
9
52-Te-123m

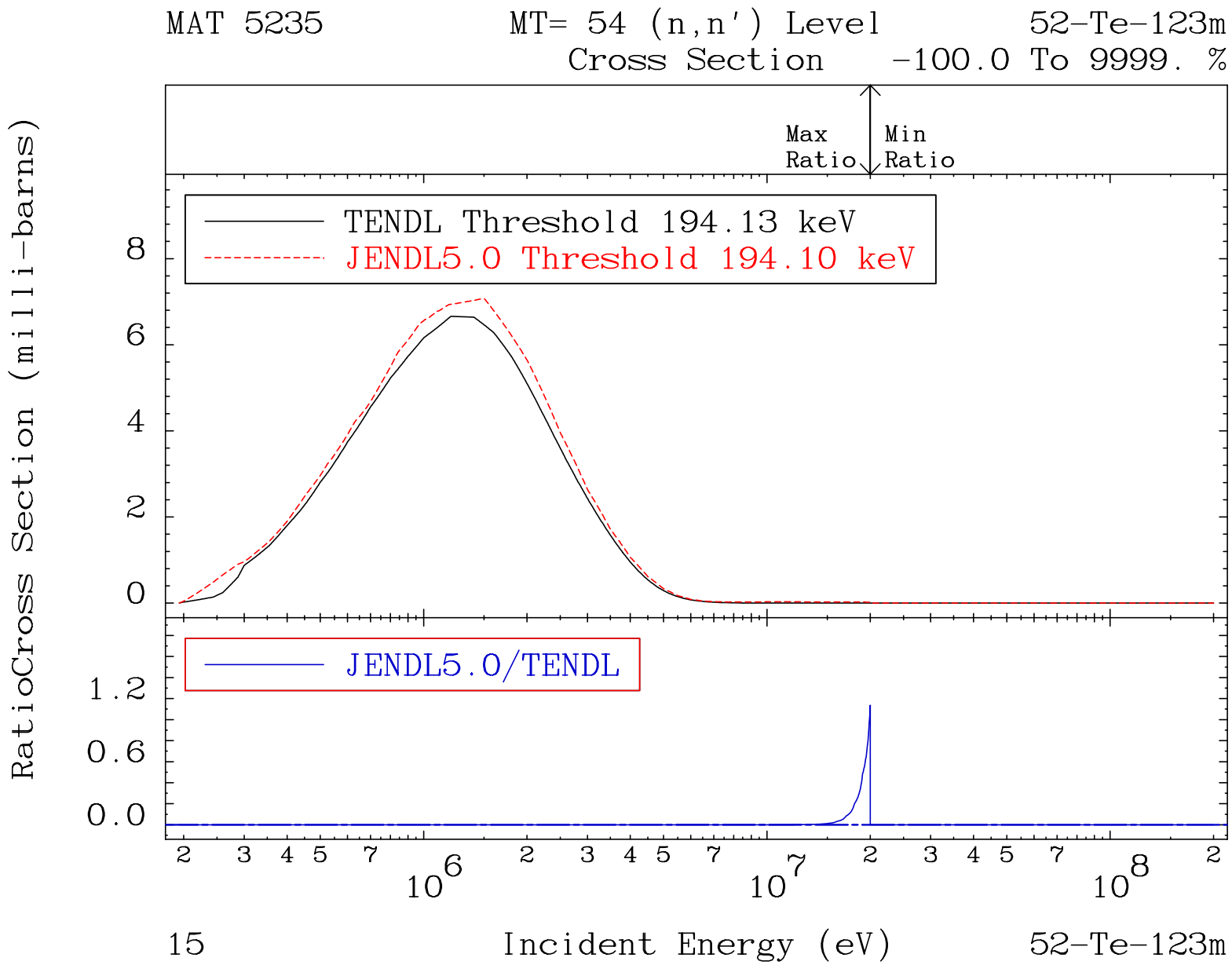

MAT 5235
(n,n') d
Cross Section
52-Te-123m
-100.0 To 929.9 %
Max Ratio
Min Ratio
TENDL Threshold 12.562 MeV
JENDL5.0 Threshold 12.562 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
52-Te-123m

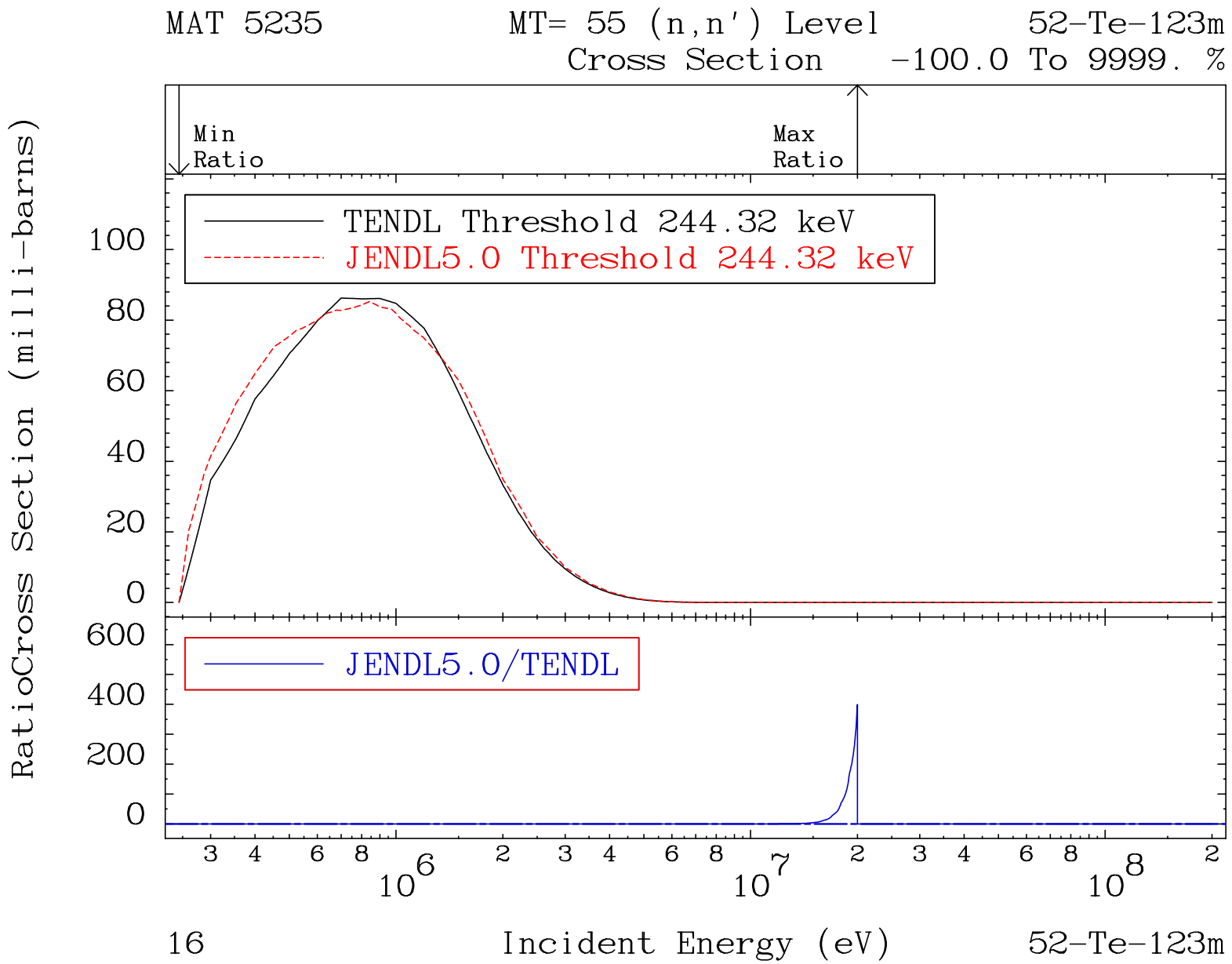

MAT 5235
(n,2n) p
Cross Section
52-Te-123m
-100.0 To 30.45 %
Max Ratio
Min Ratio
TENDL Threshold 14.805 MeV
JENDL5.0 Threshold 14.805 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
52-Te-123m

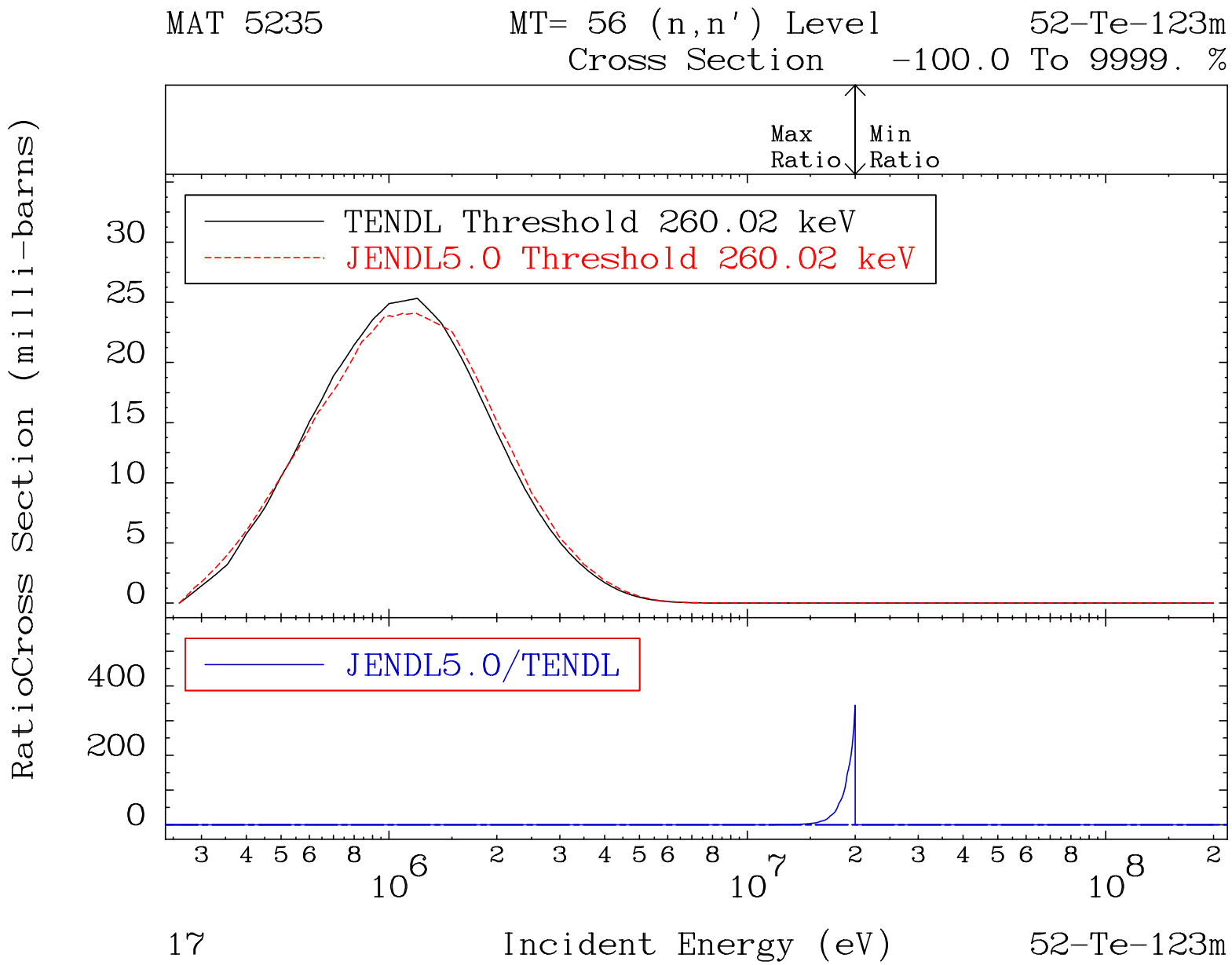

MAT 5235
MT= 51 (n,n') Level
52-Te-123m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 136.74 eV
JENDL5.0
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
12
52-Te-123m

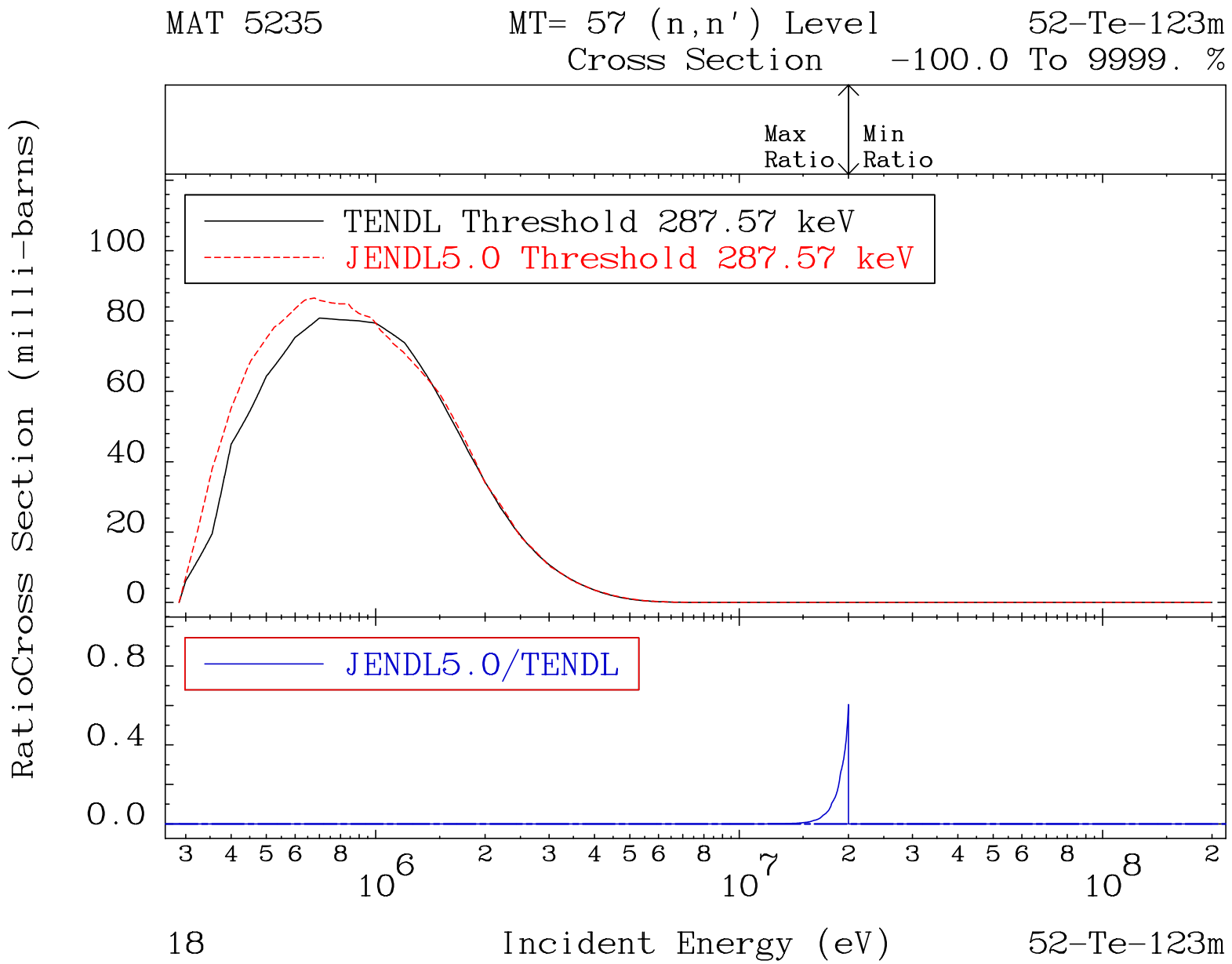

MAT 5235
MT= 52 (n,n') Level
52-Te-123m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 136.74 eV
JENDL5.0
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
4
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
13
Incident Energy (eV)
52-Te-123m

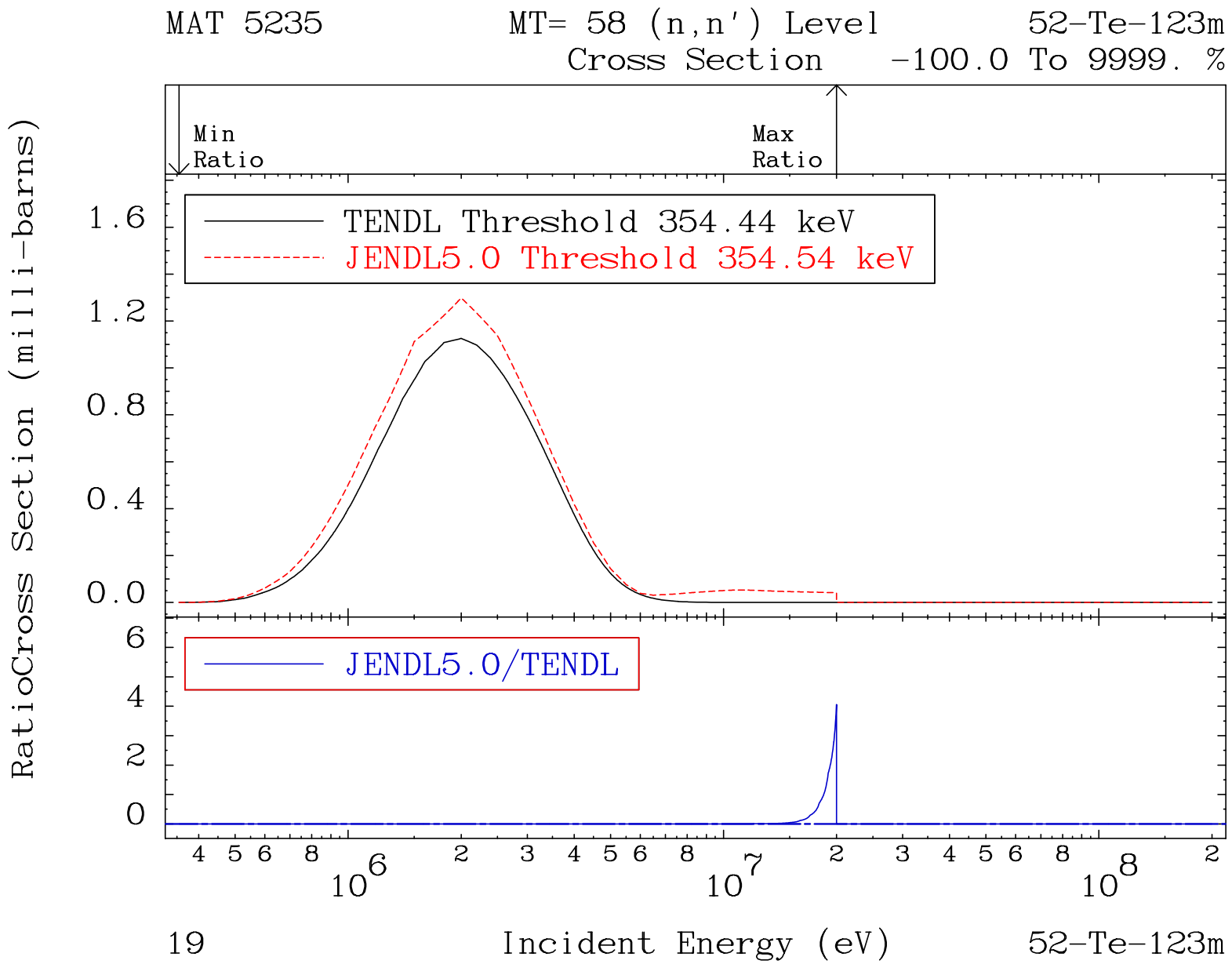

MAT 5235
MT= 53 (n,n') Level
52-Te-123m
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 137.98 keV
JENDL5.0 Threshold 138.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.2
0.6
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
14
Incident Energy (eV)
52-Te-123m

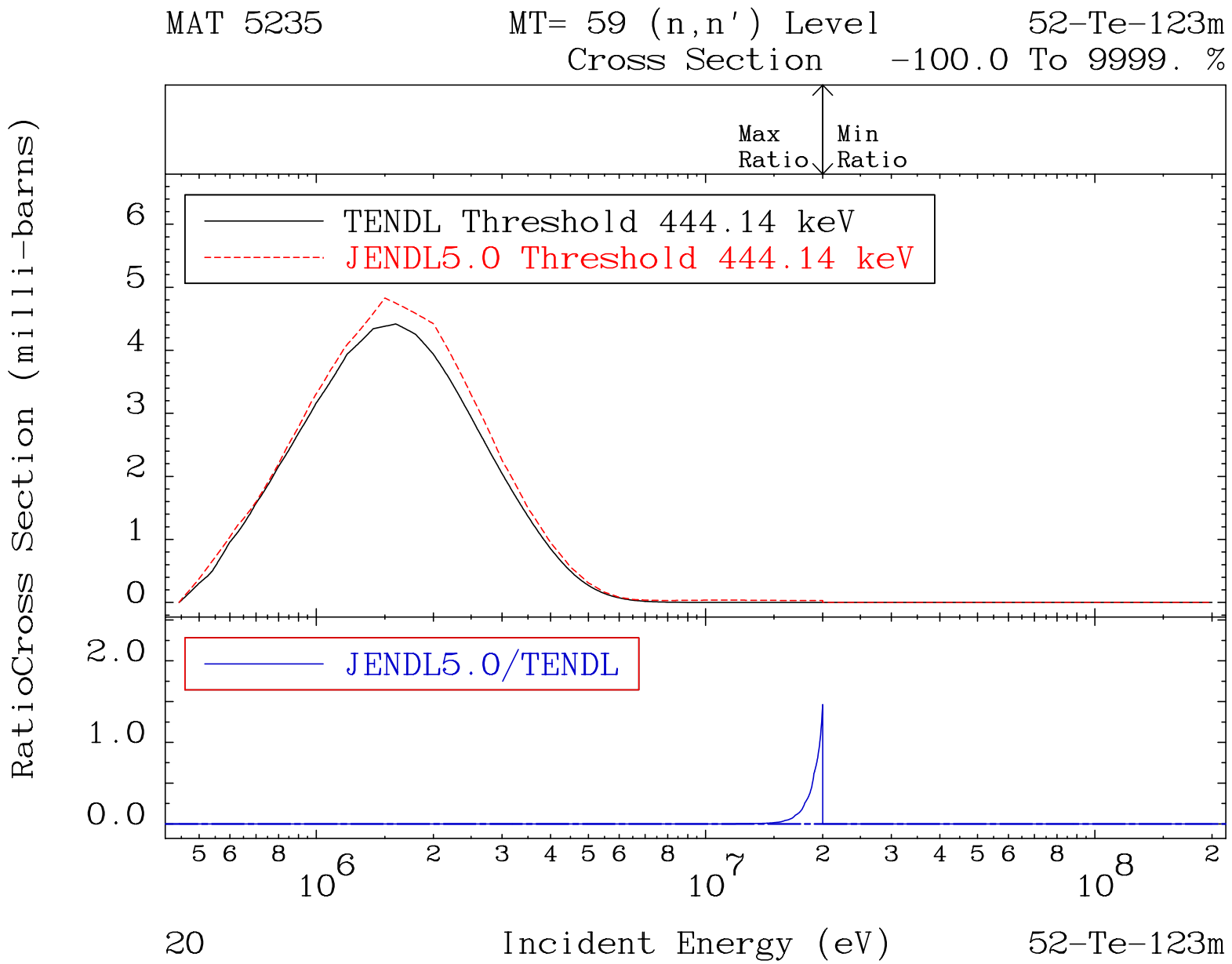

MAT 5235
MT= 54 (n,n') Level
52-Te-123m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 194.13 keV
JENDL5.0 Threshold 194.10 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
15
52-Te-123m

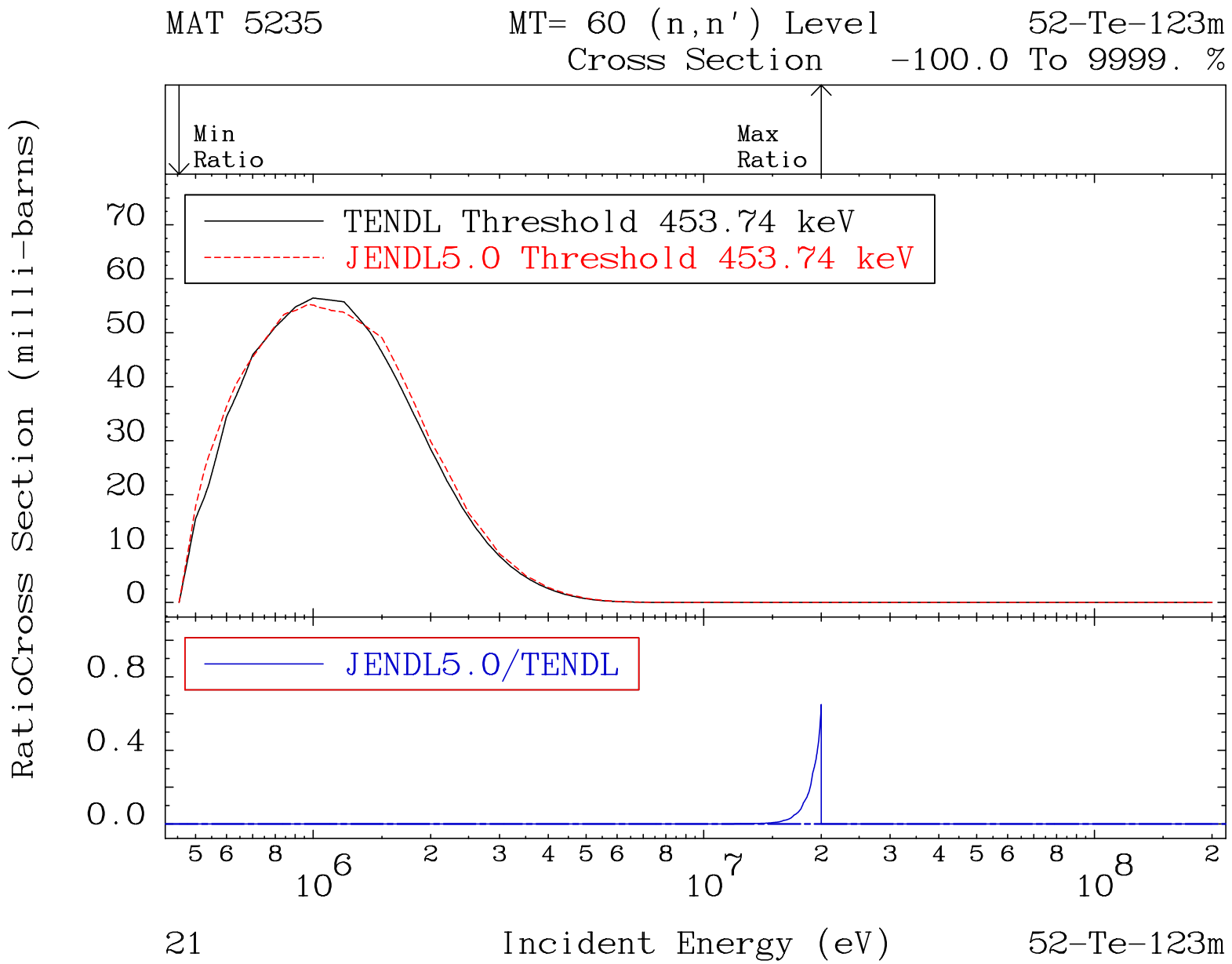

MAT 5235
MT= 55 (n,n') Level
52-Te-123m
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 244.32 keV
JENDL5.0 Threshold 244.32 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
600
400
200
0
3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
16
Incident Energy (eV)
52-Te-123m

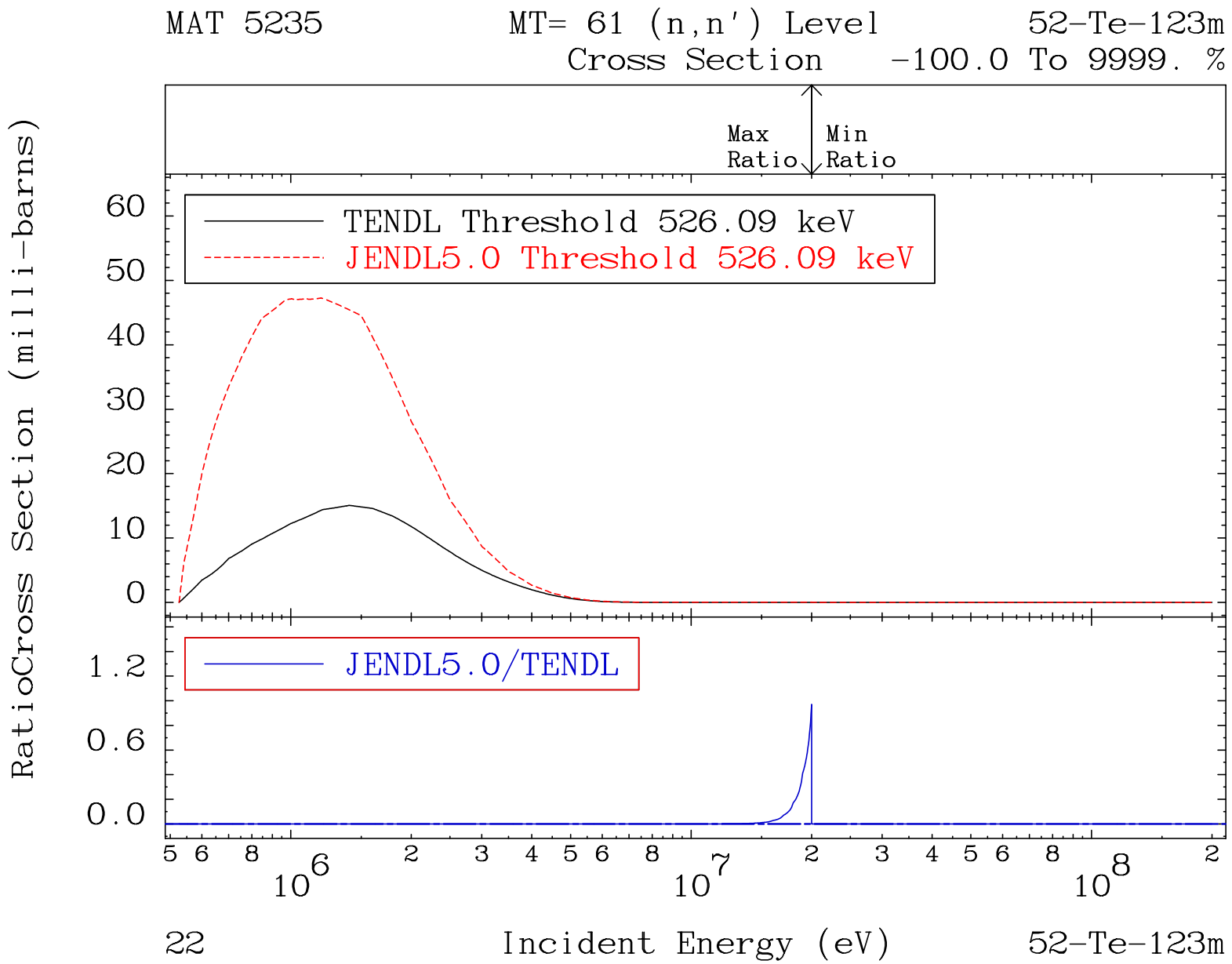

MAT 5235
MT= 56 (n,n') Level
52-Te-123m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 260.02 keV
JENDL5.0 Threshold 260.02 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
400
200
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
17
Incident Energy (eV)
52-Te-123m

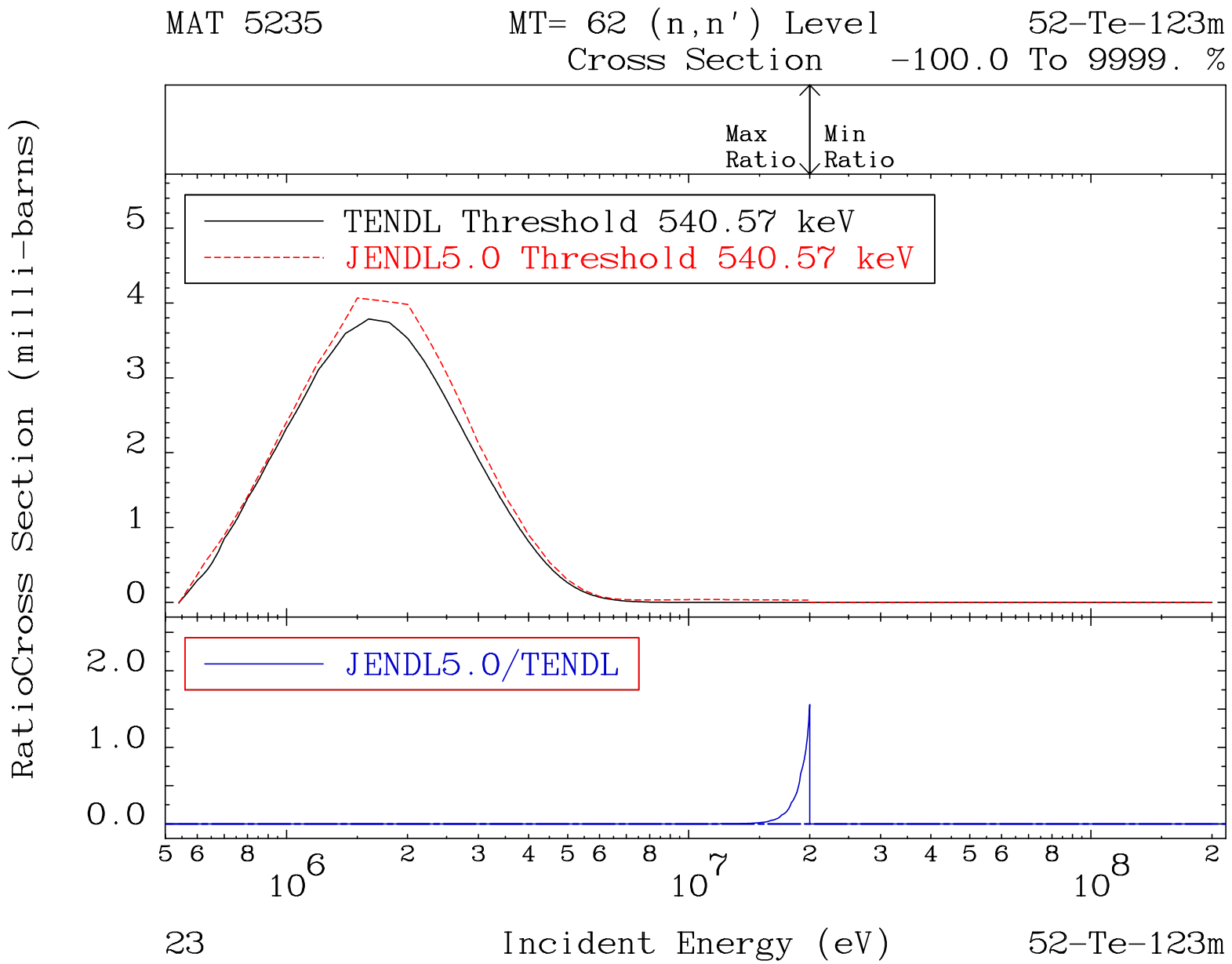

MAT 5235
MT= 57 (n,n') Level
52-Te-123m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 287.57 keV
JENDL5.0 Threshold 287.57 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
0.8
0.4
0.0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
18
Incident Energy (eV)
52-Te-123m

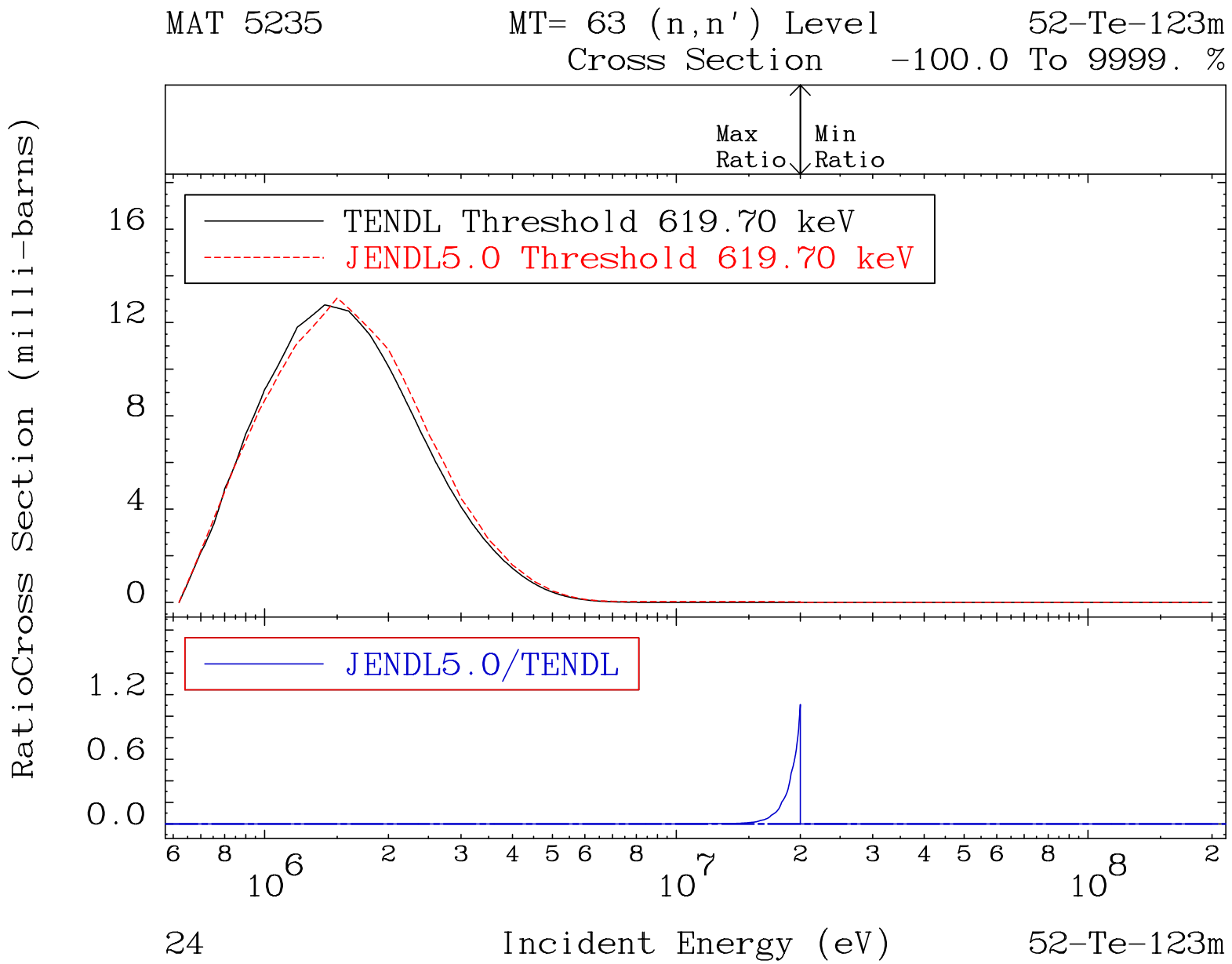

MAT 5235
MT= 58 (n,n') Level
52-Te-123m
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 354.44 keV
JENDL5.0 Threshold 354.54 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
6
4
2
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
52-Te-123m

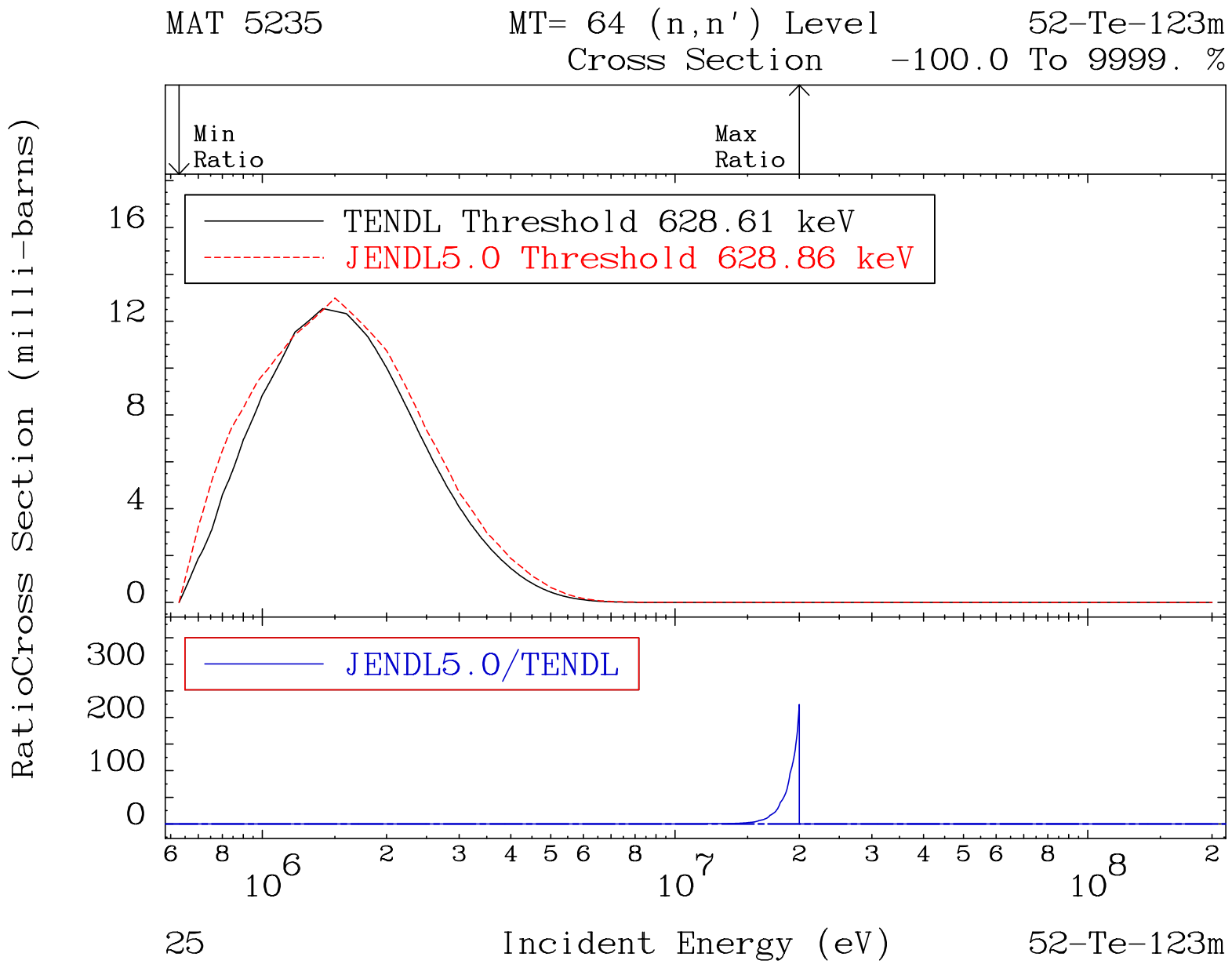

MAT 5235
MT= 59 (n,n') Level
52-Te-123m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 444.14 keV
JENDL5.0 Threshold 444.14 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
20
52-Te-123m

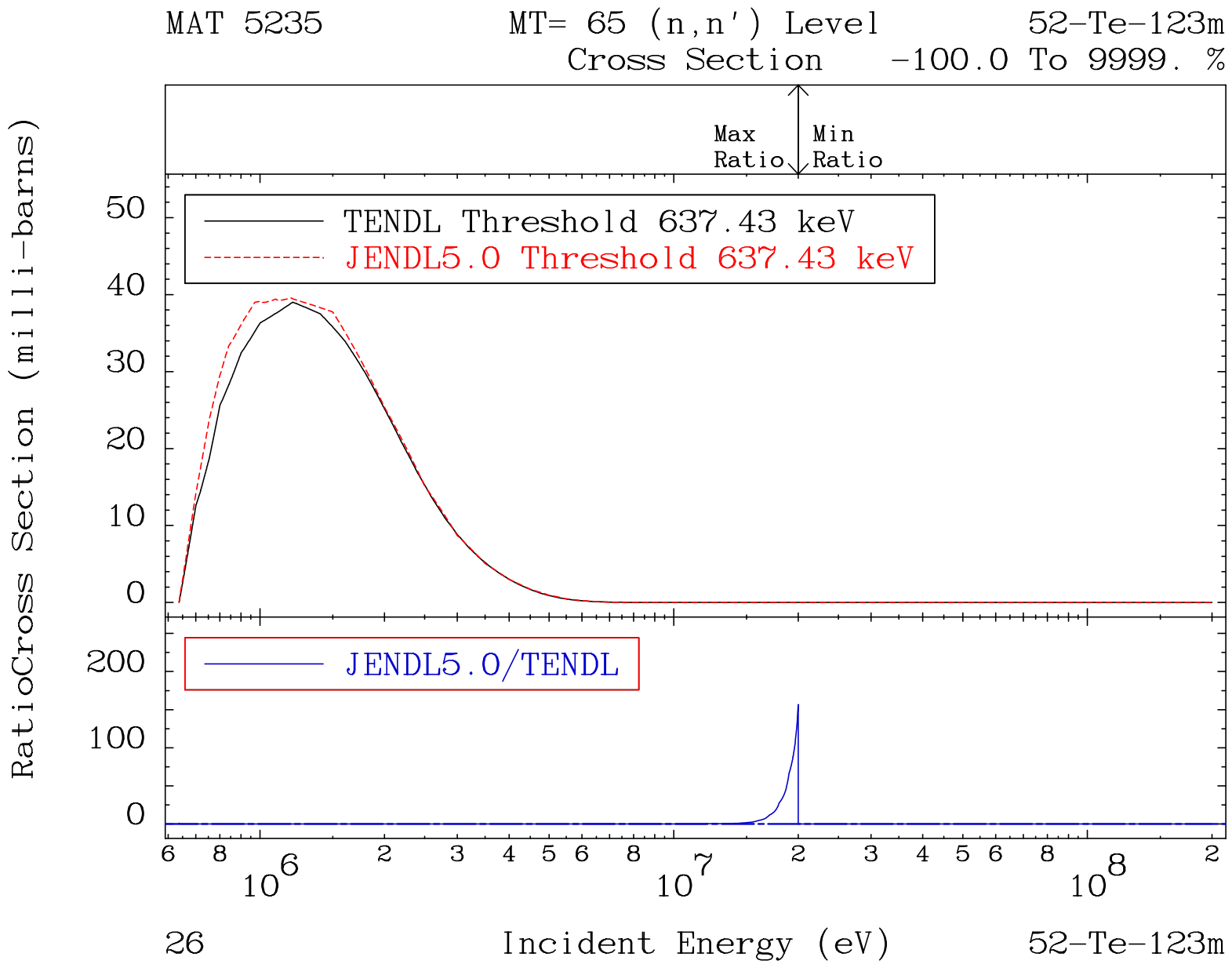

MAT 5235
MT= 60 (n,n') Level
52-Te-123m
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 453.74 keV
JENDL5.0 Threshold 453.74 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
0.8
0.4
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
52-Te-123m

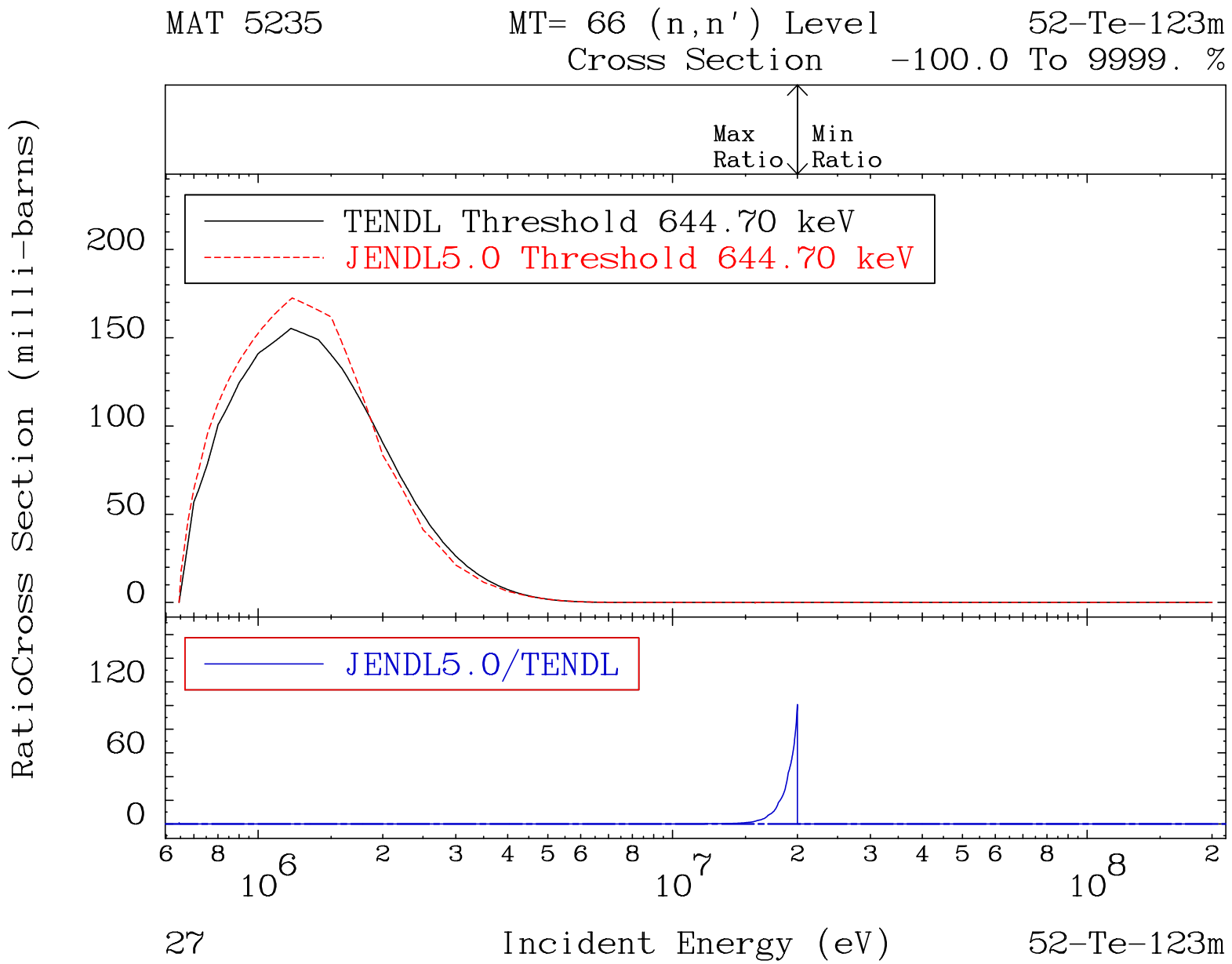

MAT 5235
MT= 61 (n,n') Level
52-Te-123m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 526.09 keV
JENDL5.0 Threshold 526.09 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
22
Incident Energy (eV)
52-Te-123m

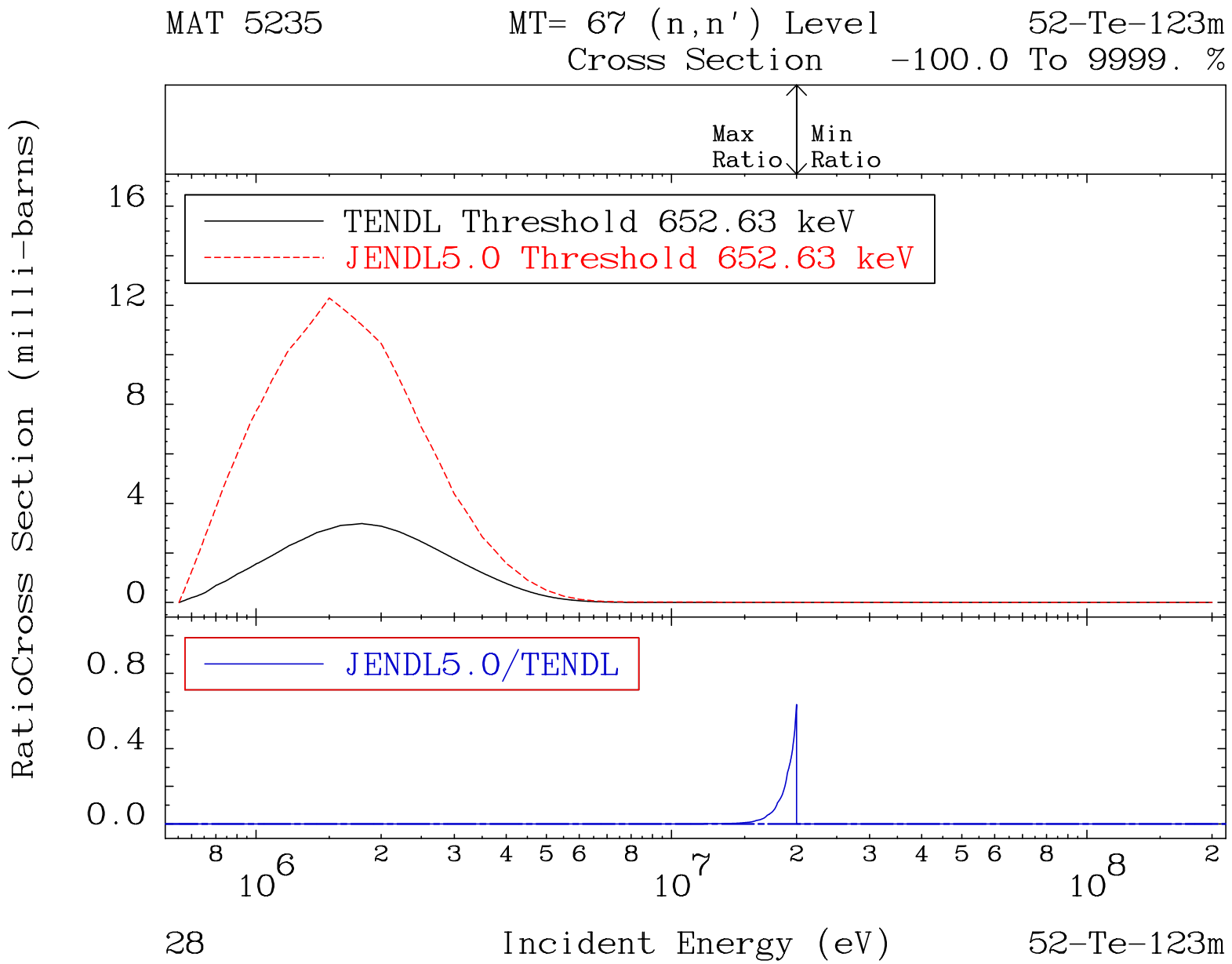

MAT 5235
MT= 62 (n,n') Level
52-Te-123m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 540.57 keV
JENDL5.0 Threshold 540.57 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
23
52-Te-123m

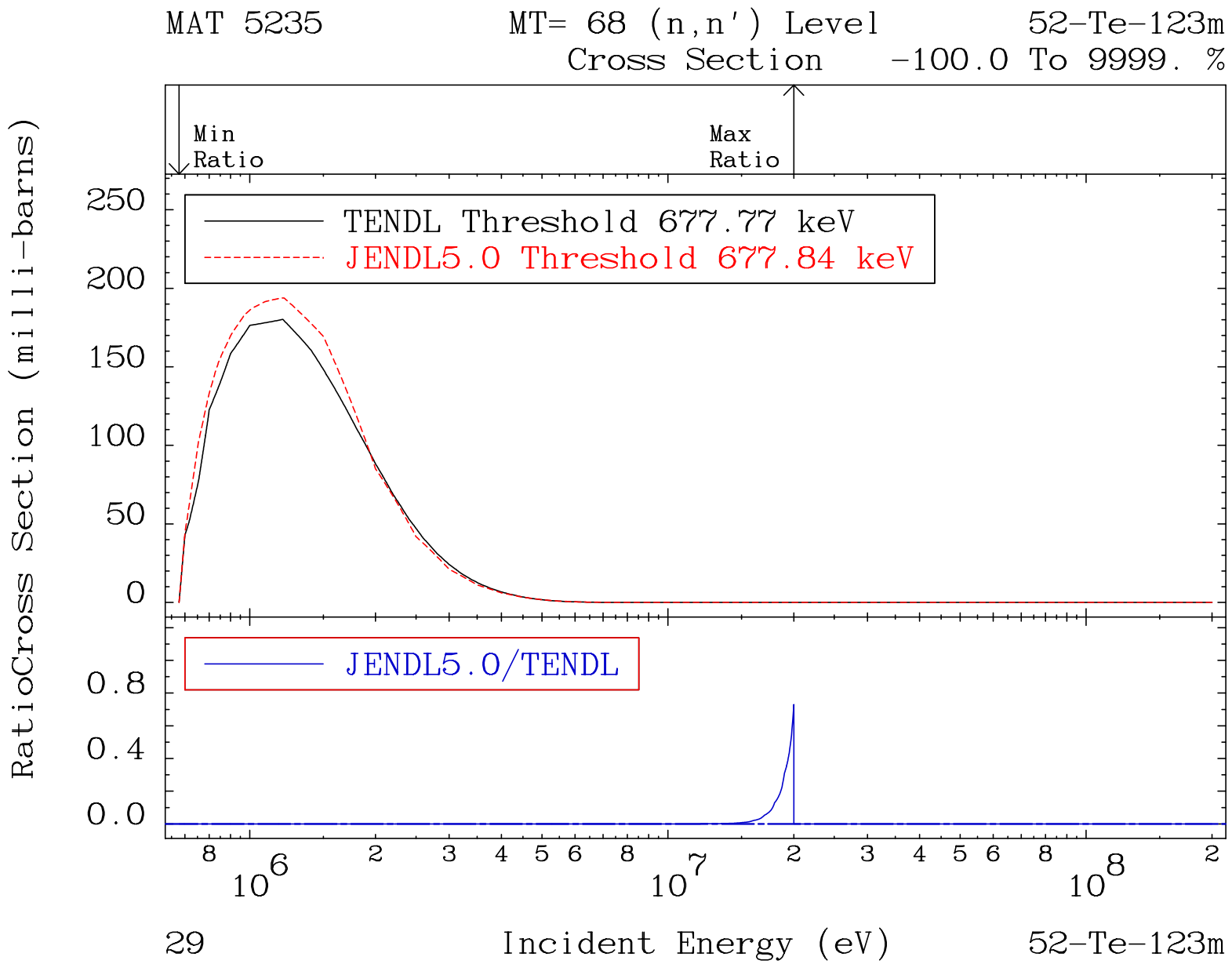

MAT 5235
MT= 63 (n,n') Level
52-Te-123m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 619.70 keV
JENDL5.0 Threshold 619.70 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.2
0.6
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
24
Incident Energy (eV)
52-Te-123m

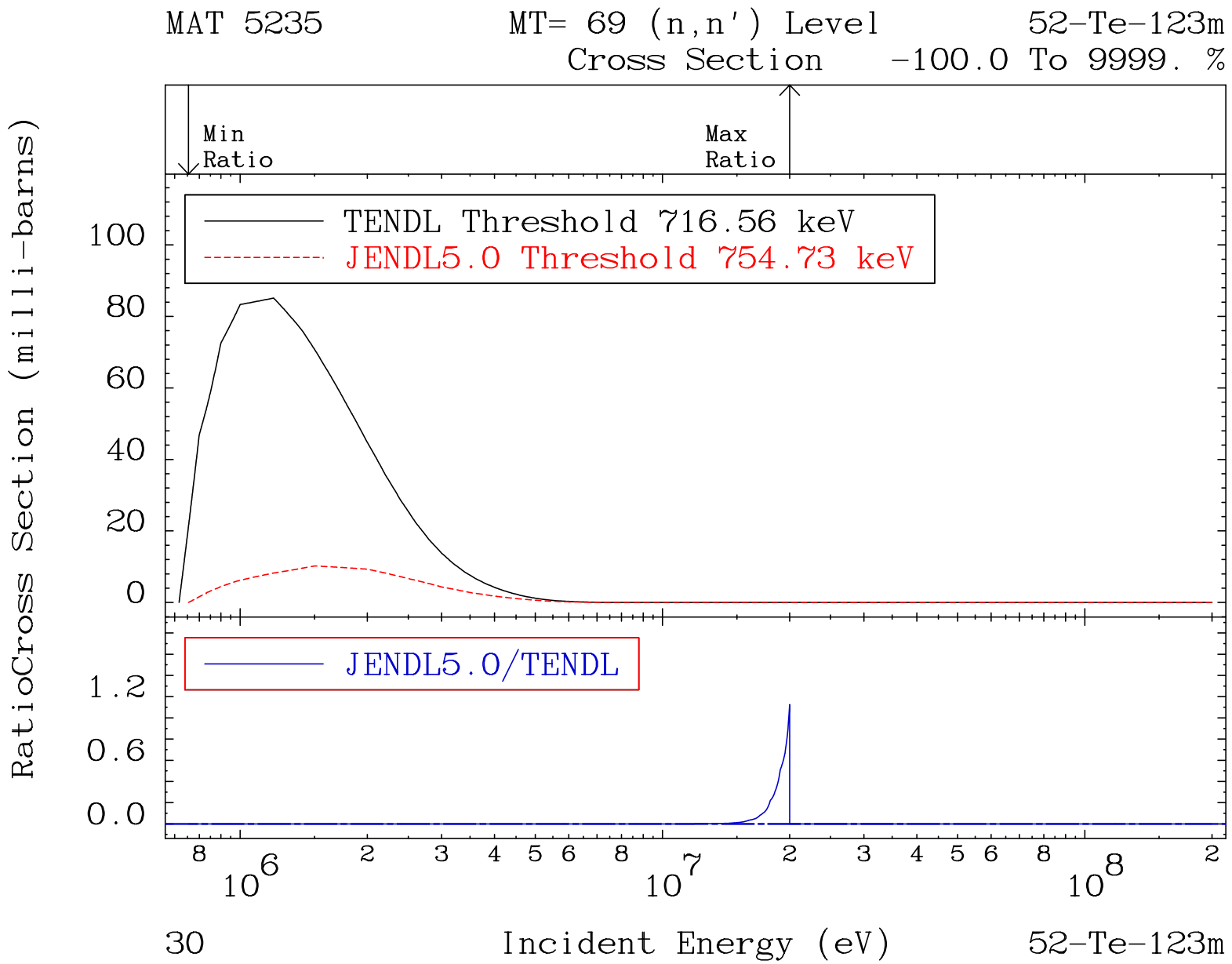

MAT 5235
MT= 64 (n,n') Level
52-Te-123m
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 628.61 keV
JENDL5.0 Threshold 628.86 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
300
200
100
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
25
Incident Energy (eV)
52-Te-123m

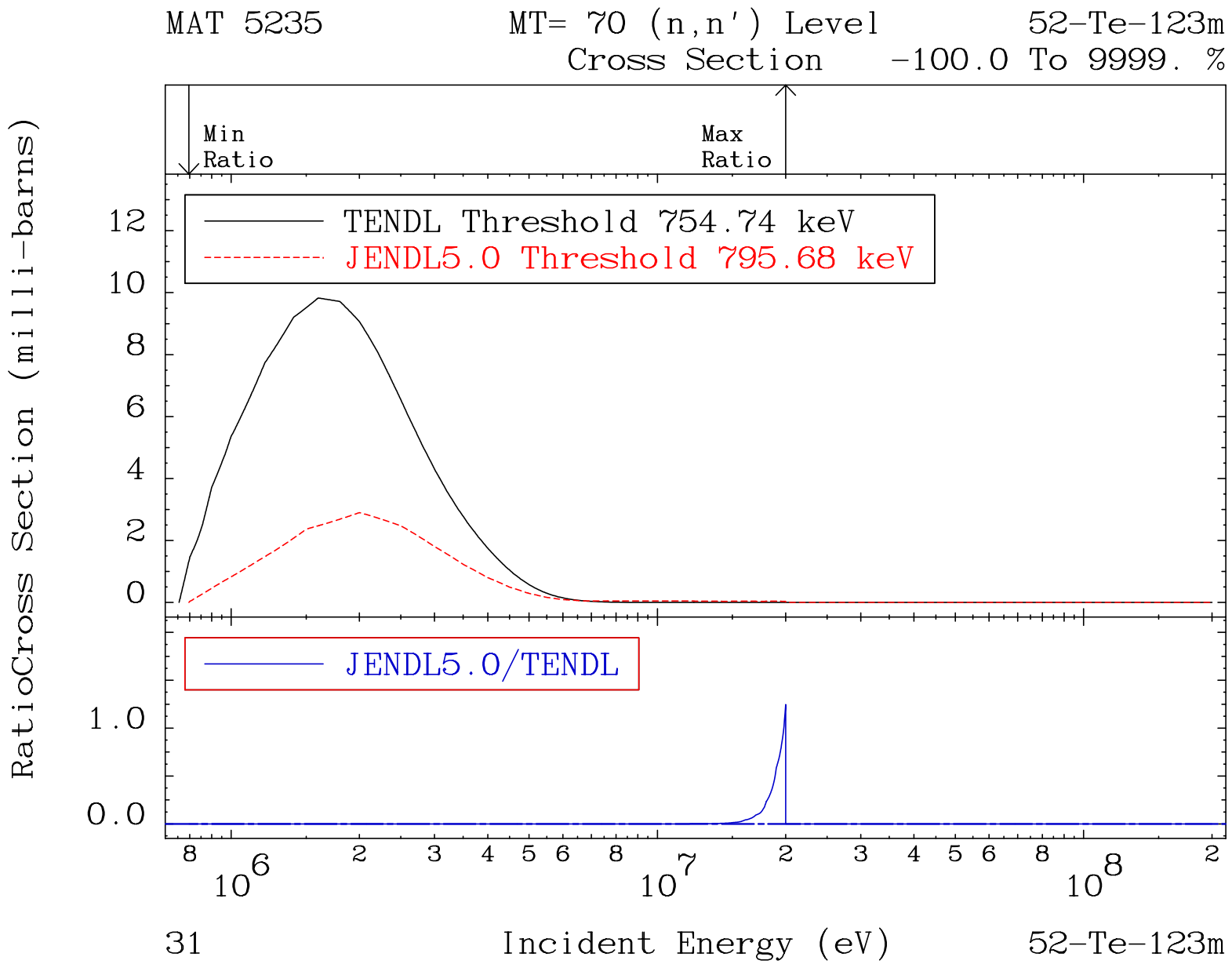

MAT 5235
MT= 65 (n,n') Level
52-Te-123m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 637.43 keV
JENDL5.0 Threshold 637.43 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
200
100
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
26
Incident Energy (eV)
52-Te-123m

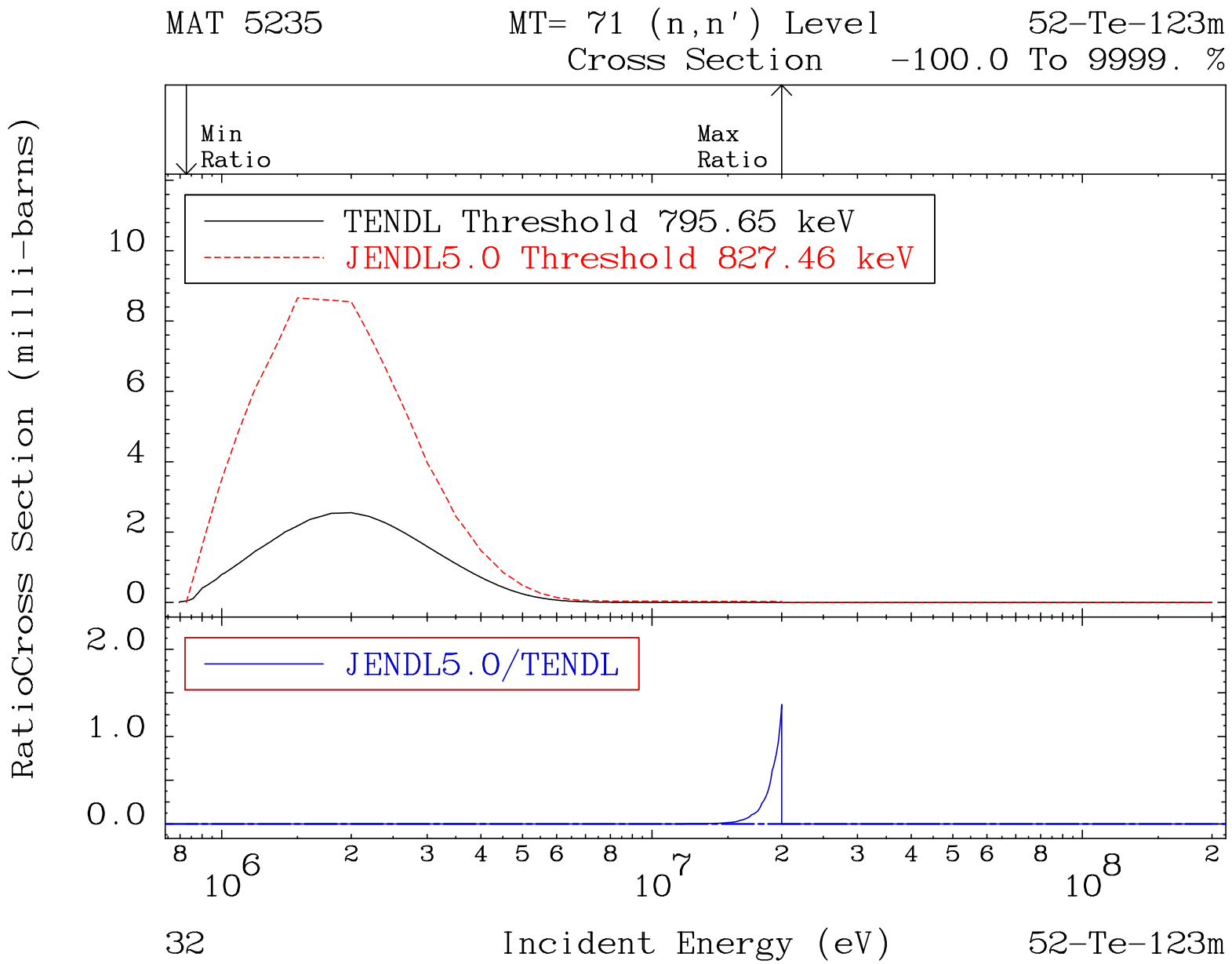

MAT 5235
MT= 66 (n,n') Level
52-Te-123m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 644.70 keV
JENDL5.0 Threshold 644.70 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
120
60
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
27
Incident Energy (eV)
52-Te-123m

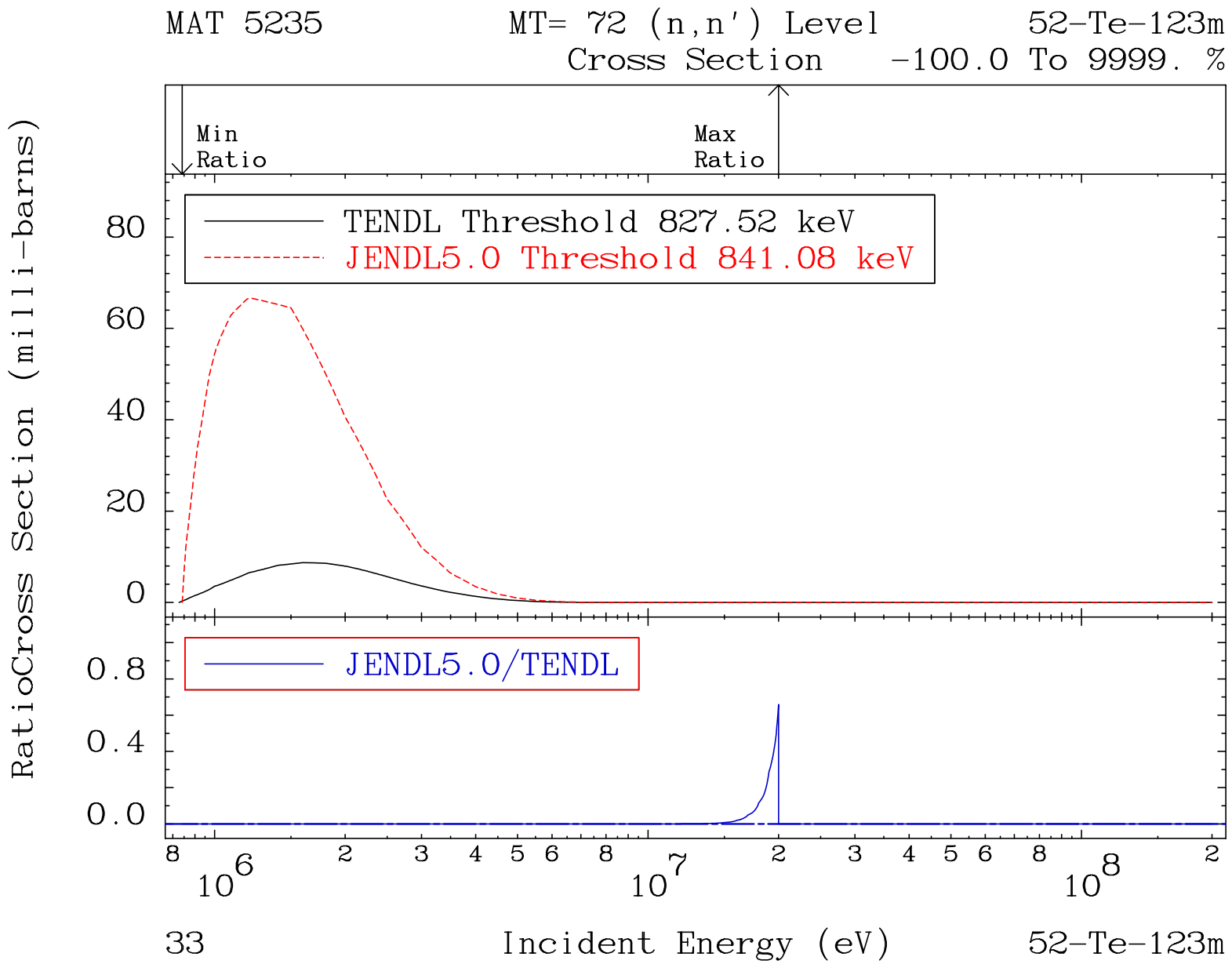

MAT 5235
MT= 67 (n,n') Level
52-Te-123m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 652.63 keV
JENDL5.0 Threshold 652.63 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
0.8
0.4
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
28
Incident Energy (eV)
52-Te-123m

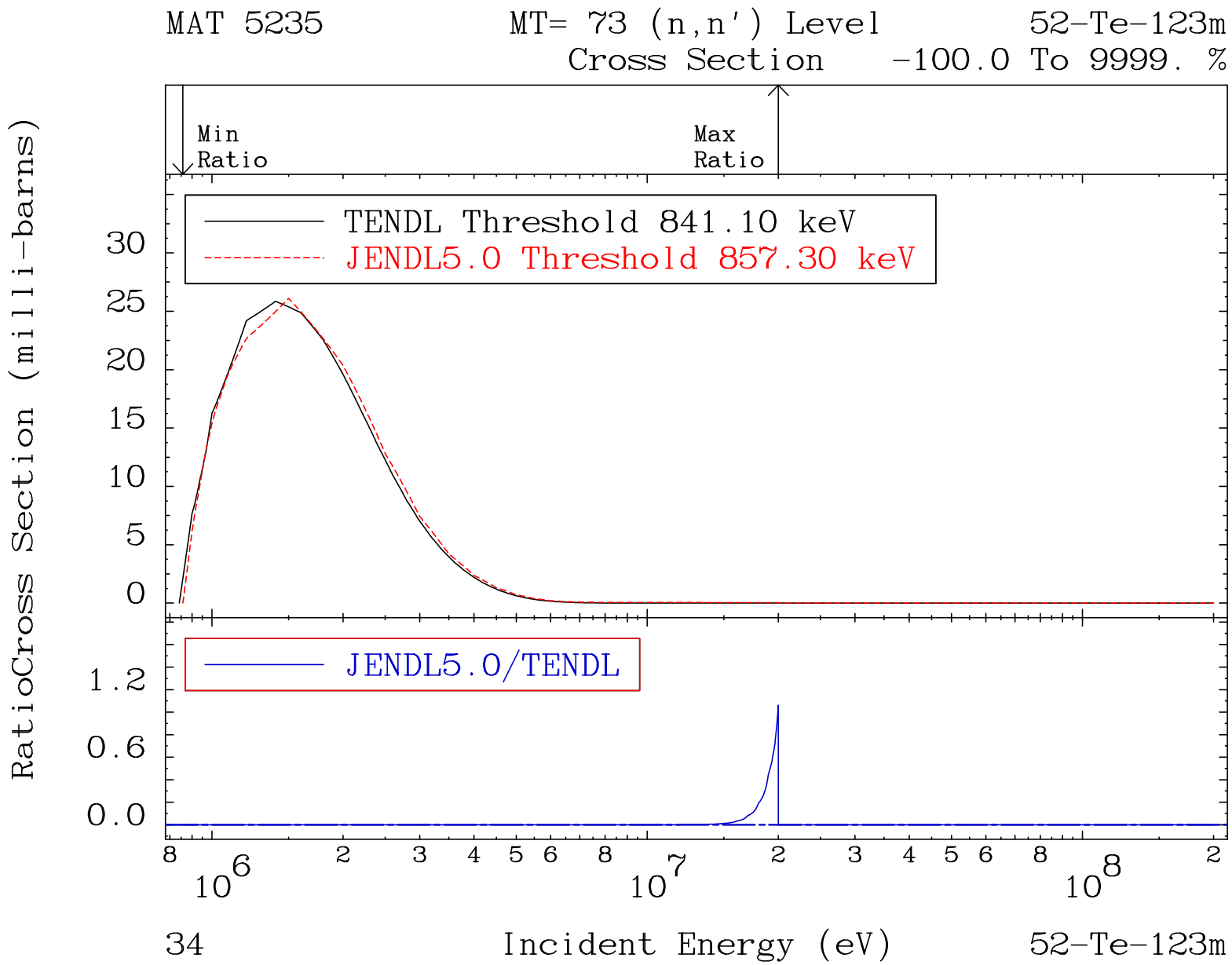

MAT 5235
MT= 68 (n,n') Level
52-Te-123m
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 677.77 keV
JENDL5.0 Threshold 677.84 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
0.8
0.4
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
29
Incident Energy (eV)
52-Te-123m

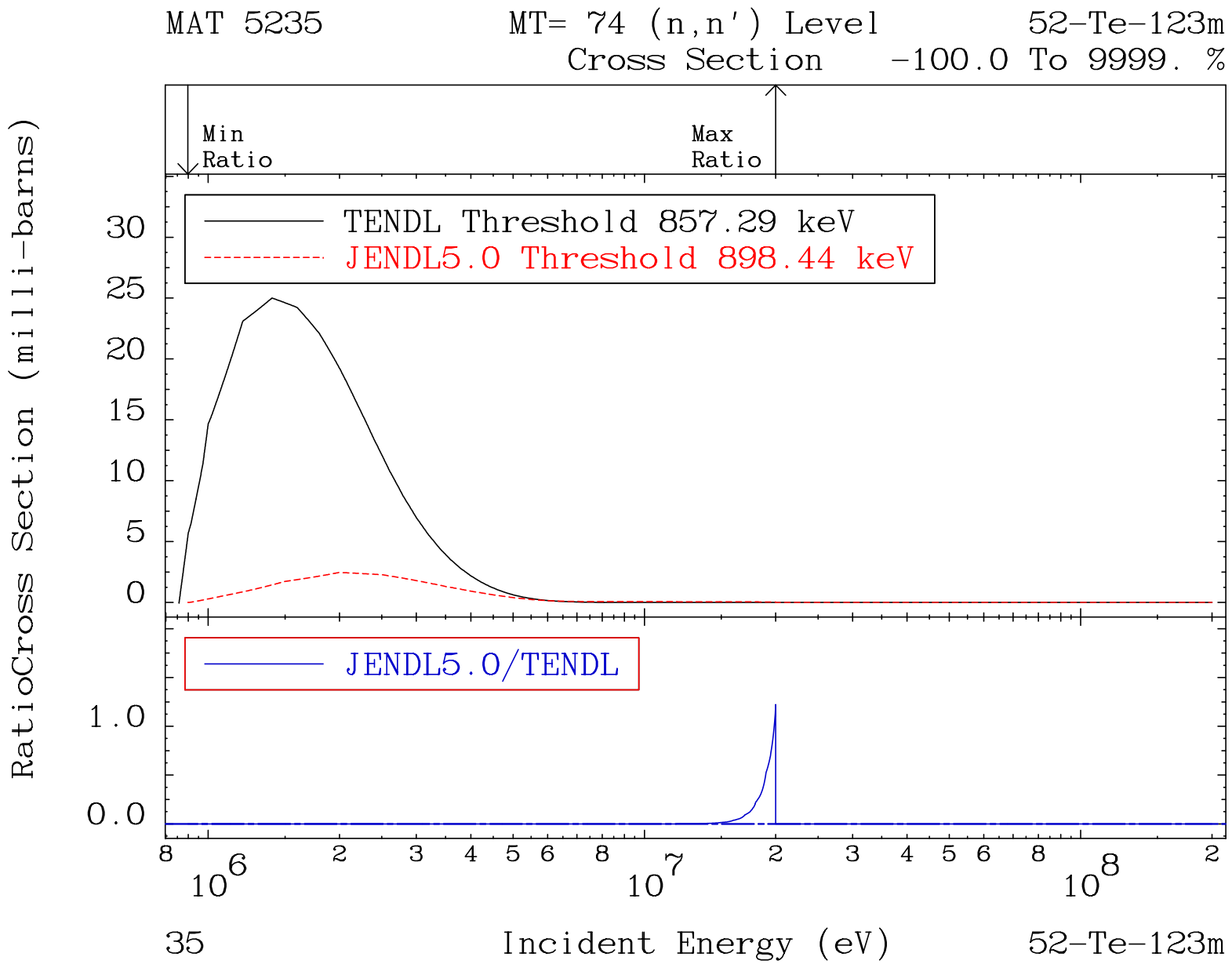

MAT 5235
MT= 69 (n,n') Level
52-Te-123m
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 716.56 keV
JENDL5.0 Threshold 754.73 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
30
Incident Energy (eV)
52-Te-123m

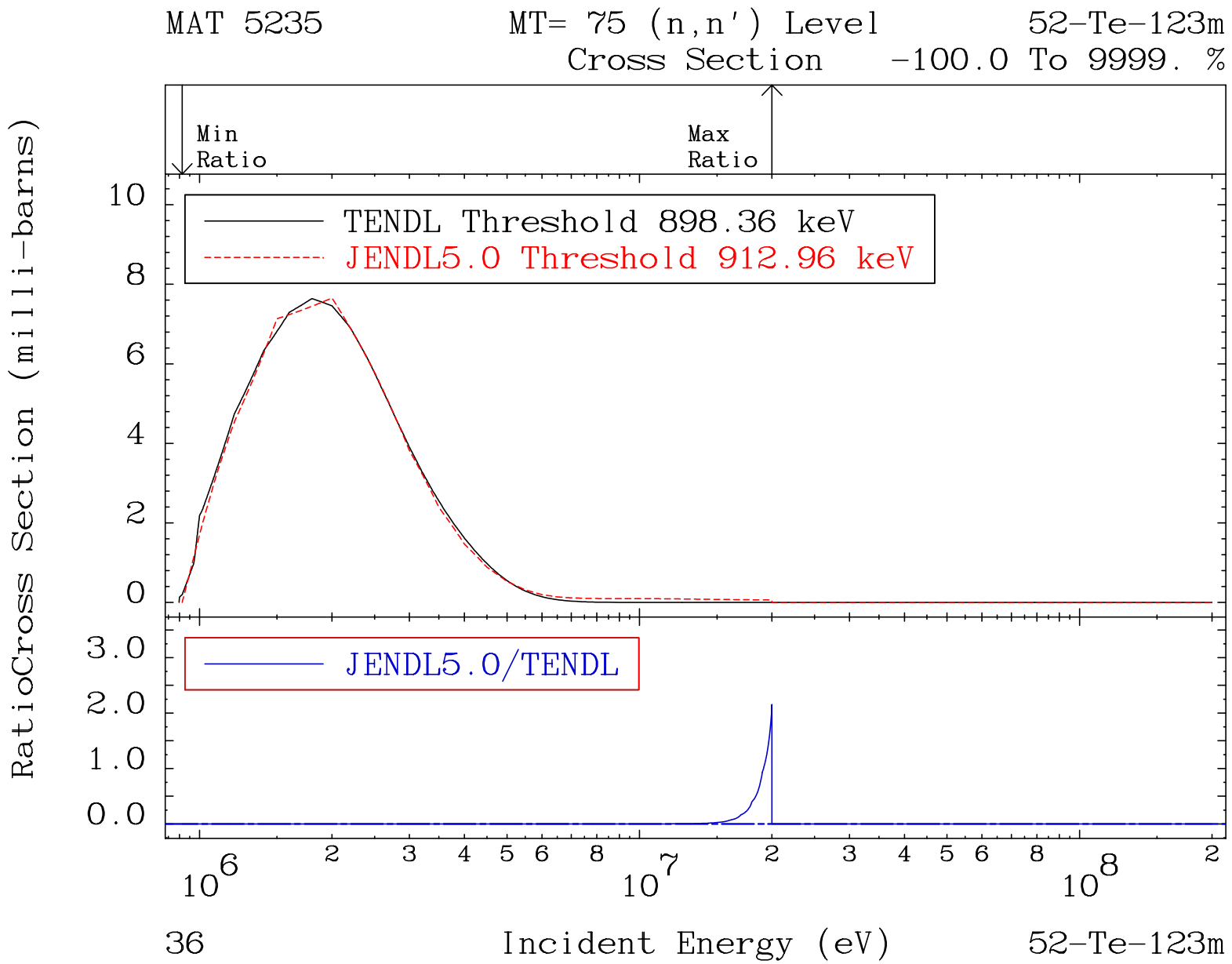

MAT 5235
MT= 70 (n,n') Level
52-Te-123m
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 754.74 keV
JENDL5.0 Threshold 795.68 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
31
Incident Energy (eV)
52-Te-123m

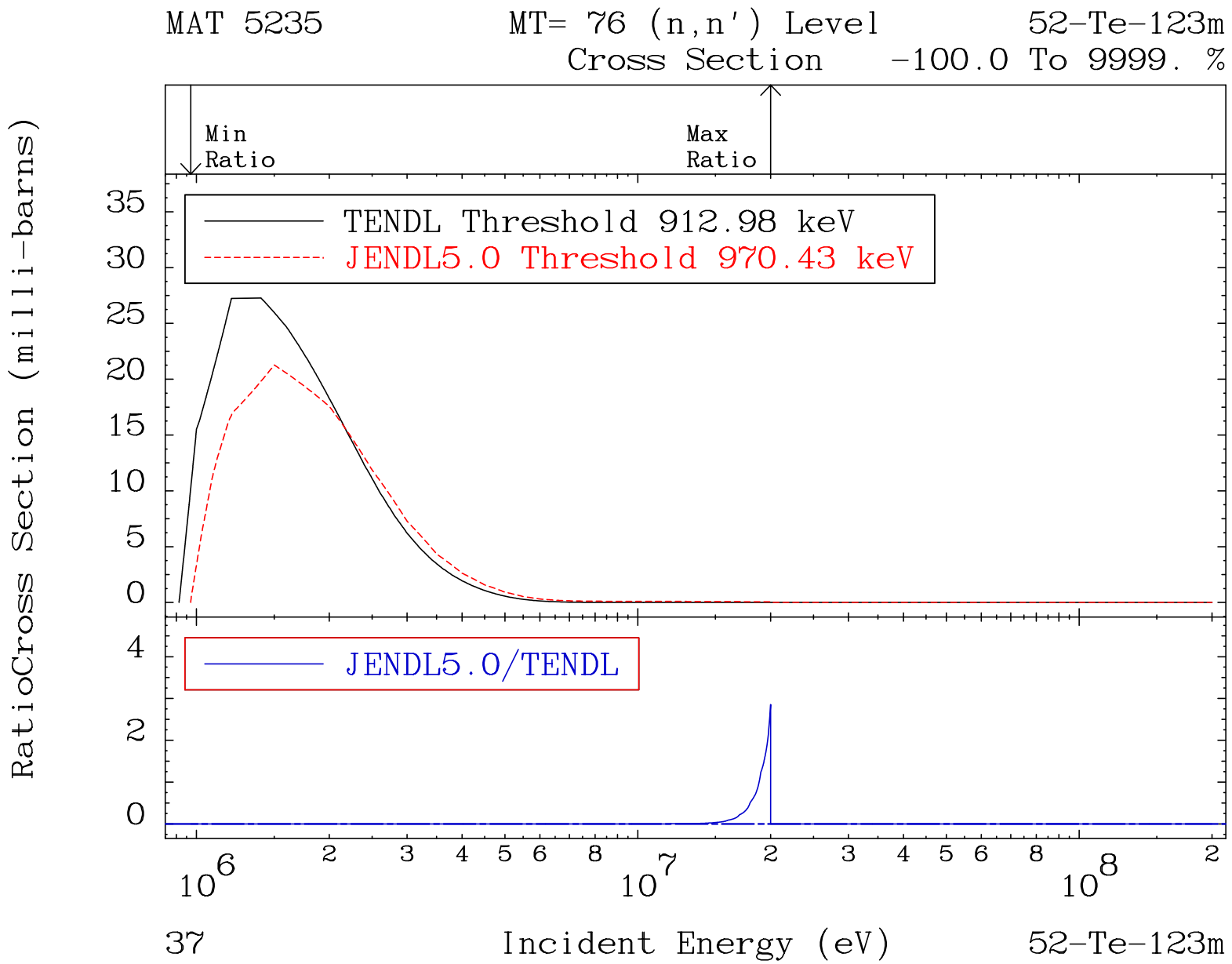

MAT 5235
MT= 71 (n,n') Level
52-Te-123m
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 795.65 keV
JENDL5.0 Threshold 827.46 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
32
52-Te-123m

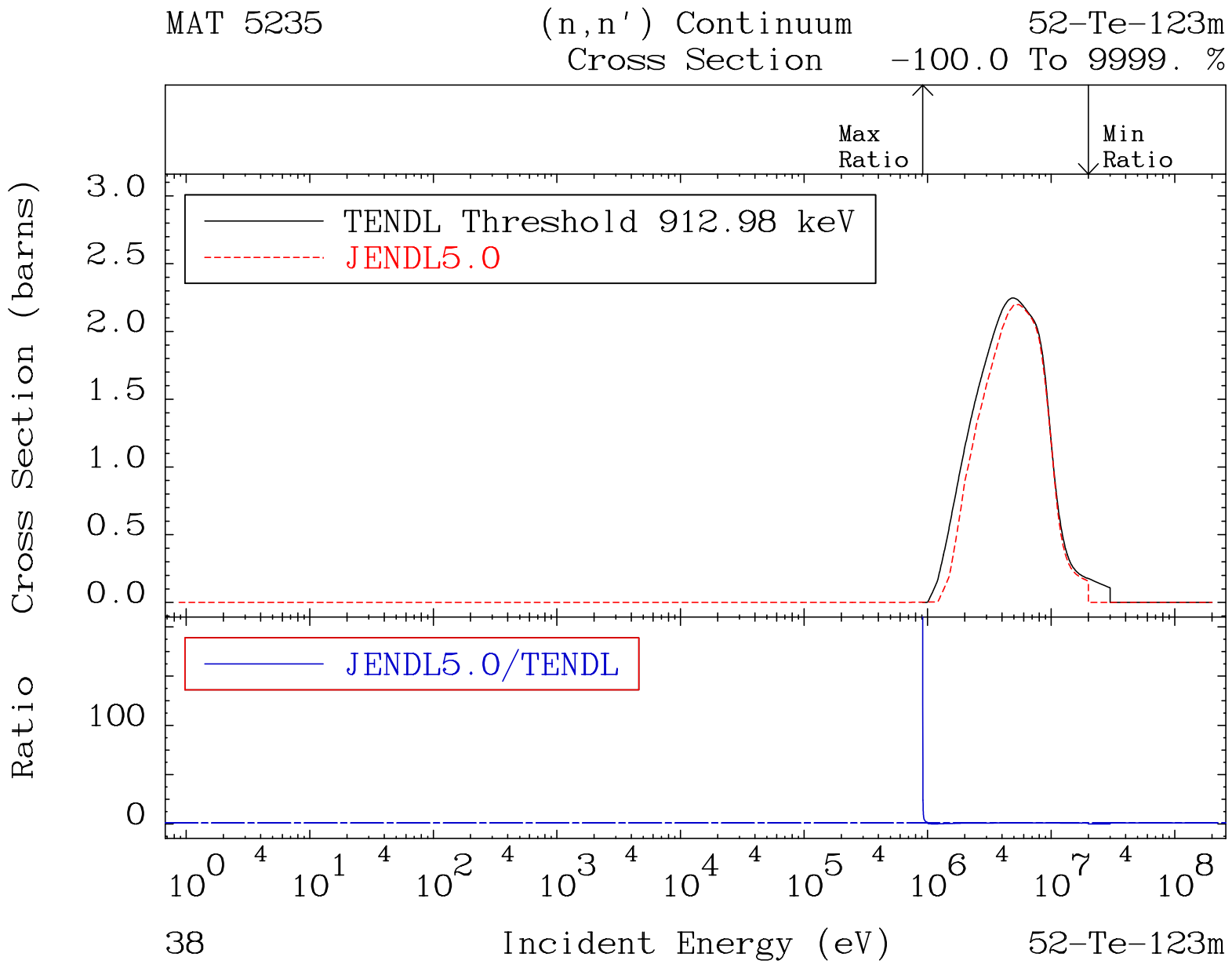

MAT 5235
MT= 72 (n,n') Level
52-Te-123m
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 827.52 keV
JENDL5.0 Threshold 841.08 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
0.8
0.4
0.0
8
2
3
4
5
6
8
10^6
10^7
10^8
33
Incident Energy (eV)
52-Te-123m

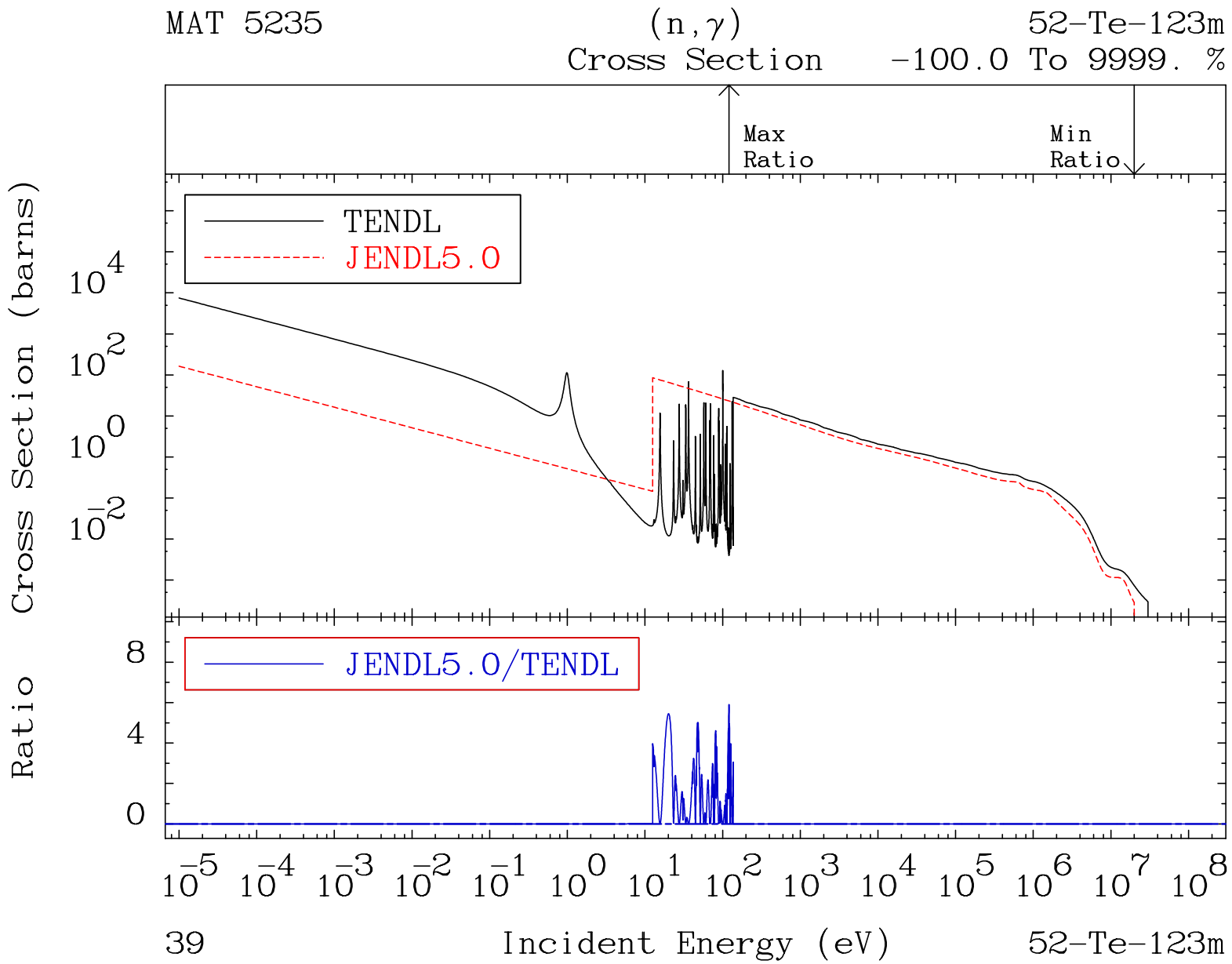

MAT 5235
MT= 73 (n,n') Level
52-Te-123m
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 841.10 keV
JENDL5.0 Threshold 857.30 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.2
0.6
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
34
Incident Energy (eV)
52-Te-123m

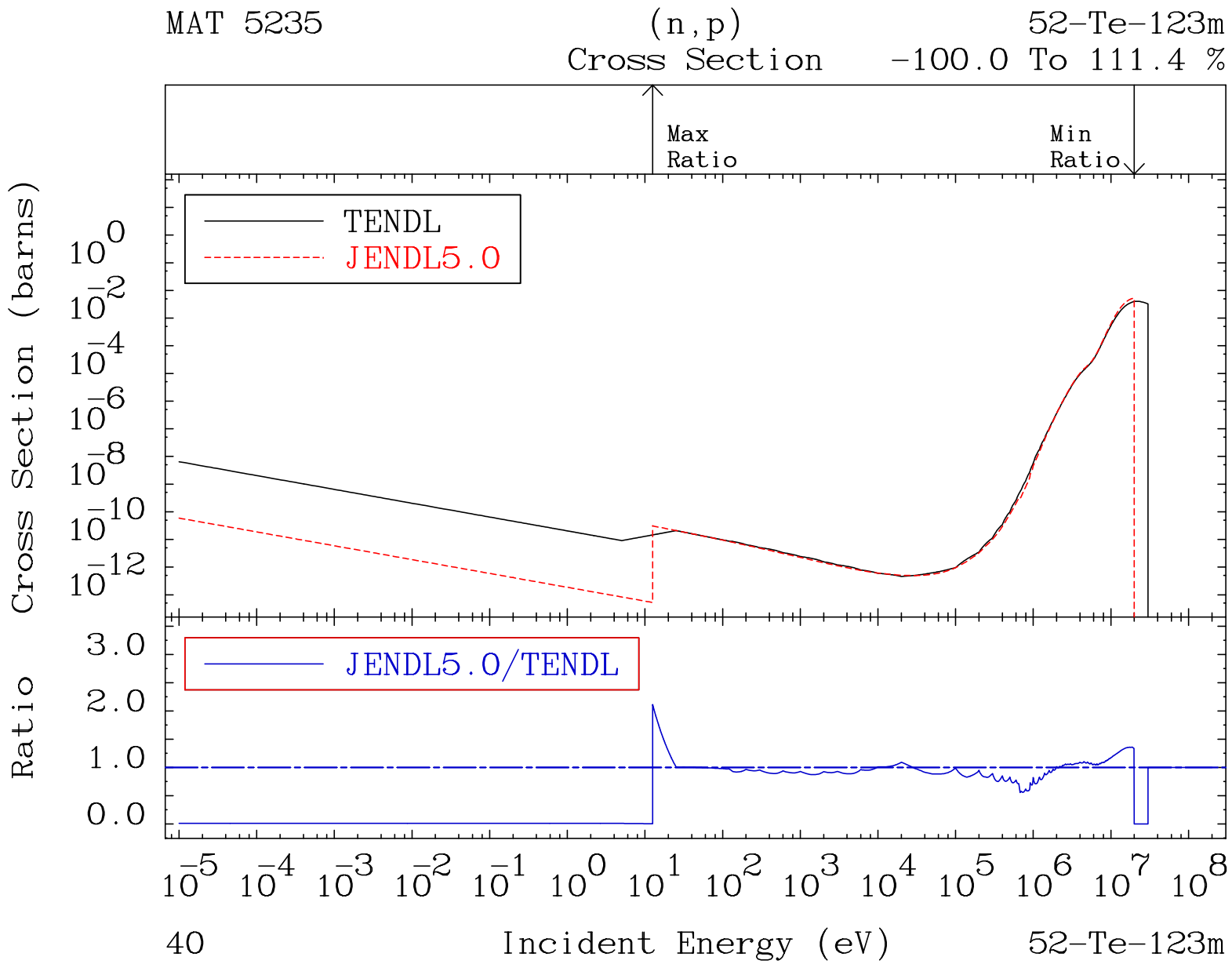

MAT 5235
MT= 74 (n,n') Level
52-Te-123m
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 857.29 keV
JENDL5.0 Threshold 898.44 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
35
Incident Energy (eV)
52-Te-123m

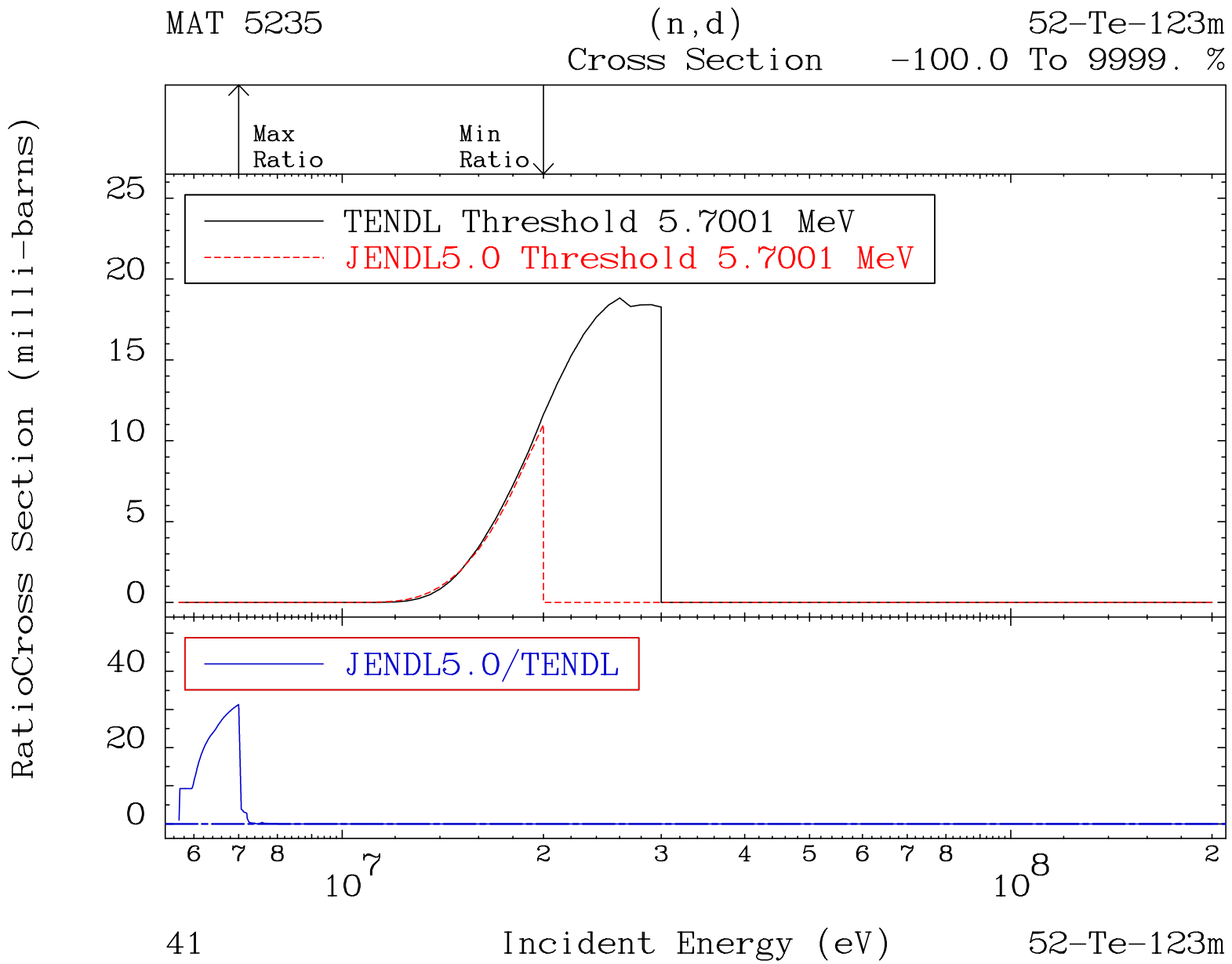

MAT 5235
MT= 75 (n,n') Level
52-Te-123m
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 898.36 keV
JENDL5.0 Threshold 912.96 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
36
52-Te-123m

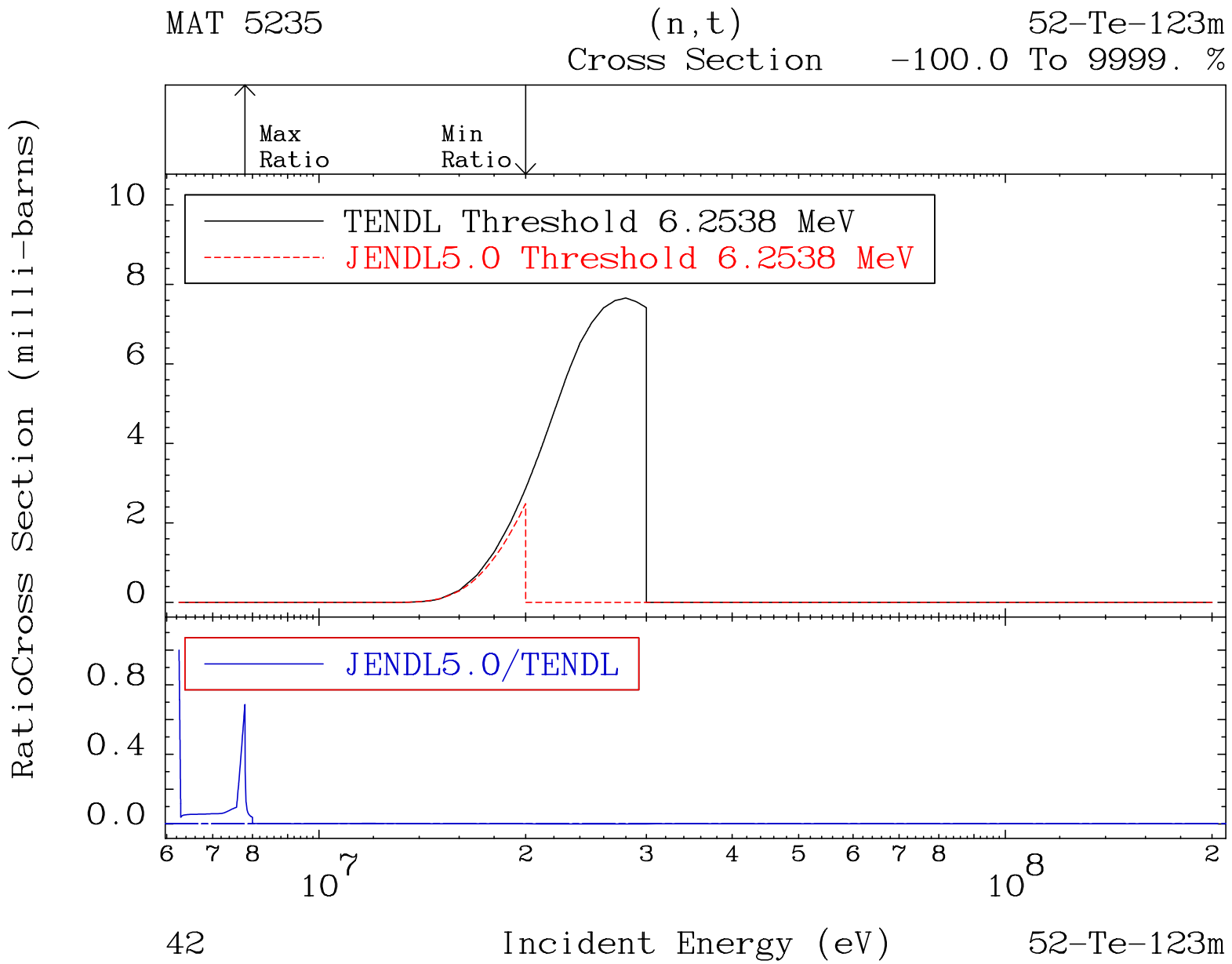

MAT 5235
MT= 76 (n,n') Level
52-Te-123m
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 912.98 keV
JENDL5.0 Threshold 970.43 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
37
52-Te-123m

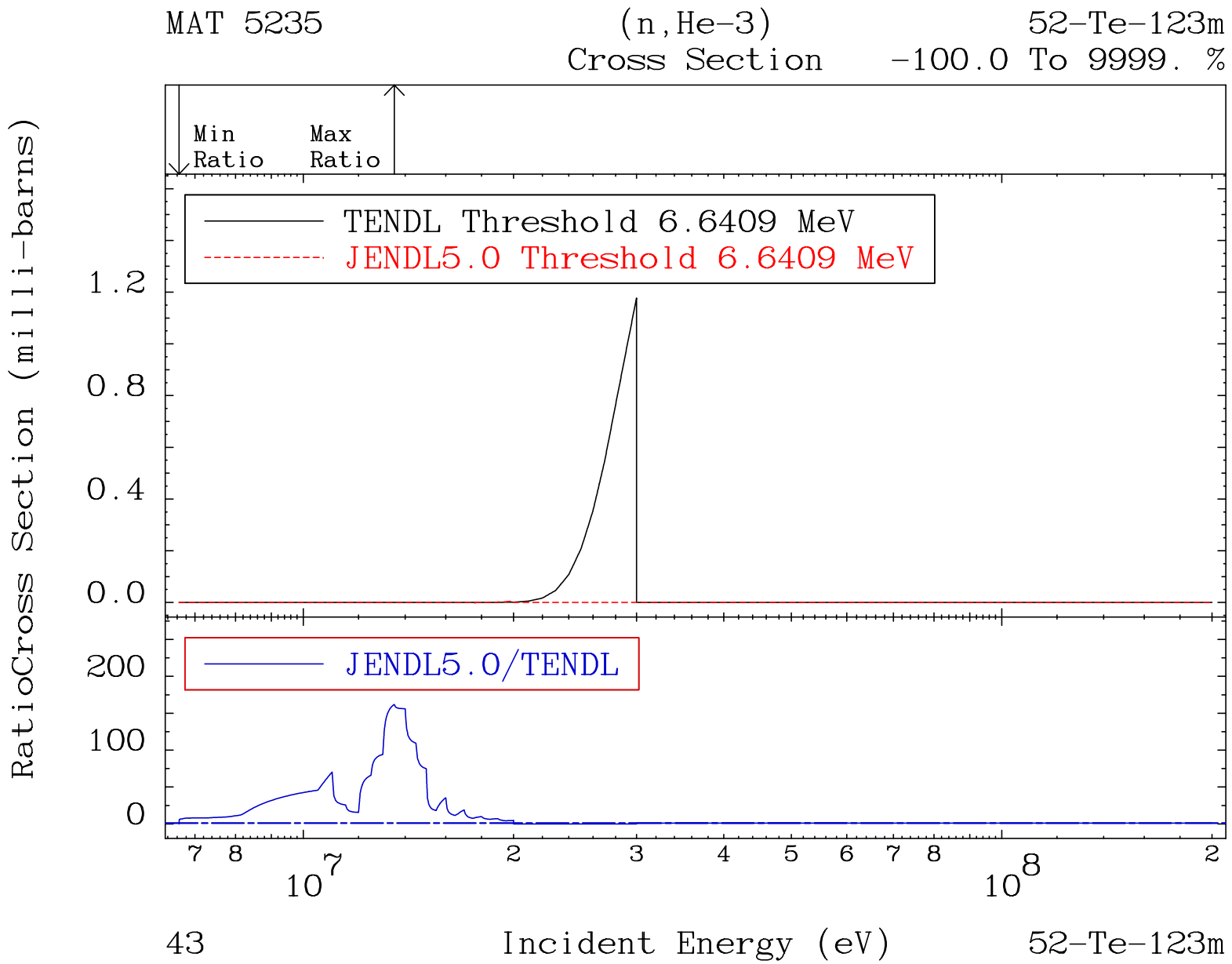

MAT 5235
(n,n') Continuum
Cross Section
52-Te-123m
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 912.98 keV
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
100
0
10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
38
Incident Energy (eV)
52-Te-123m

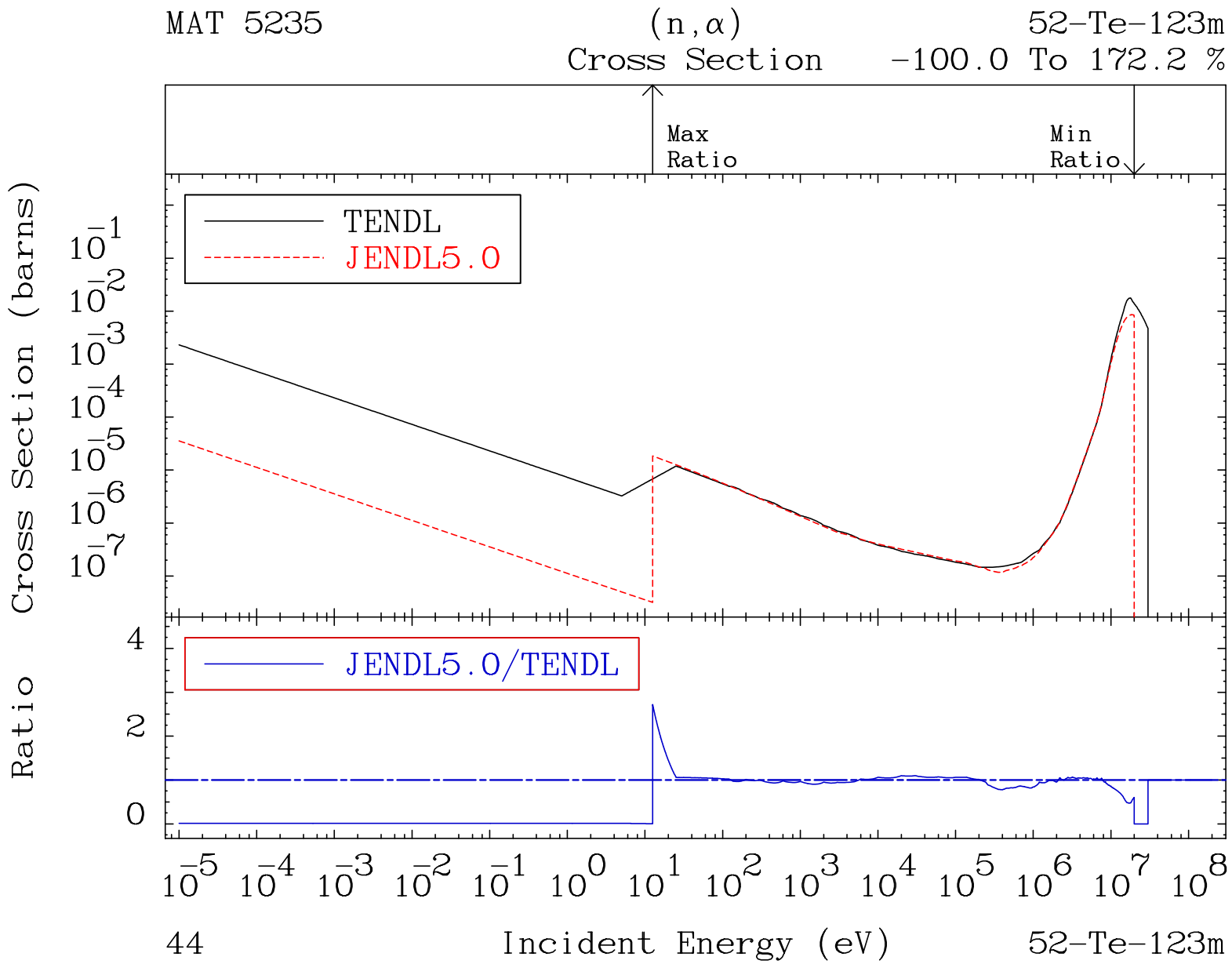

MAT 5235
(n,γ)
Cross Section
52-Te-123m
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
39
52-Te-123m

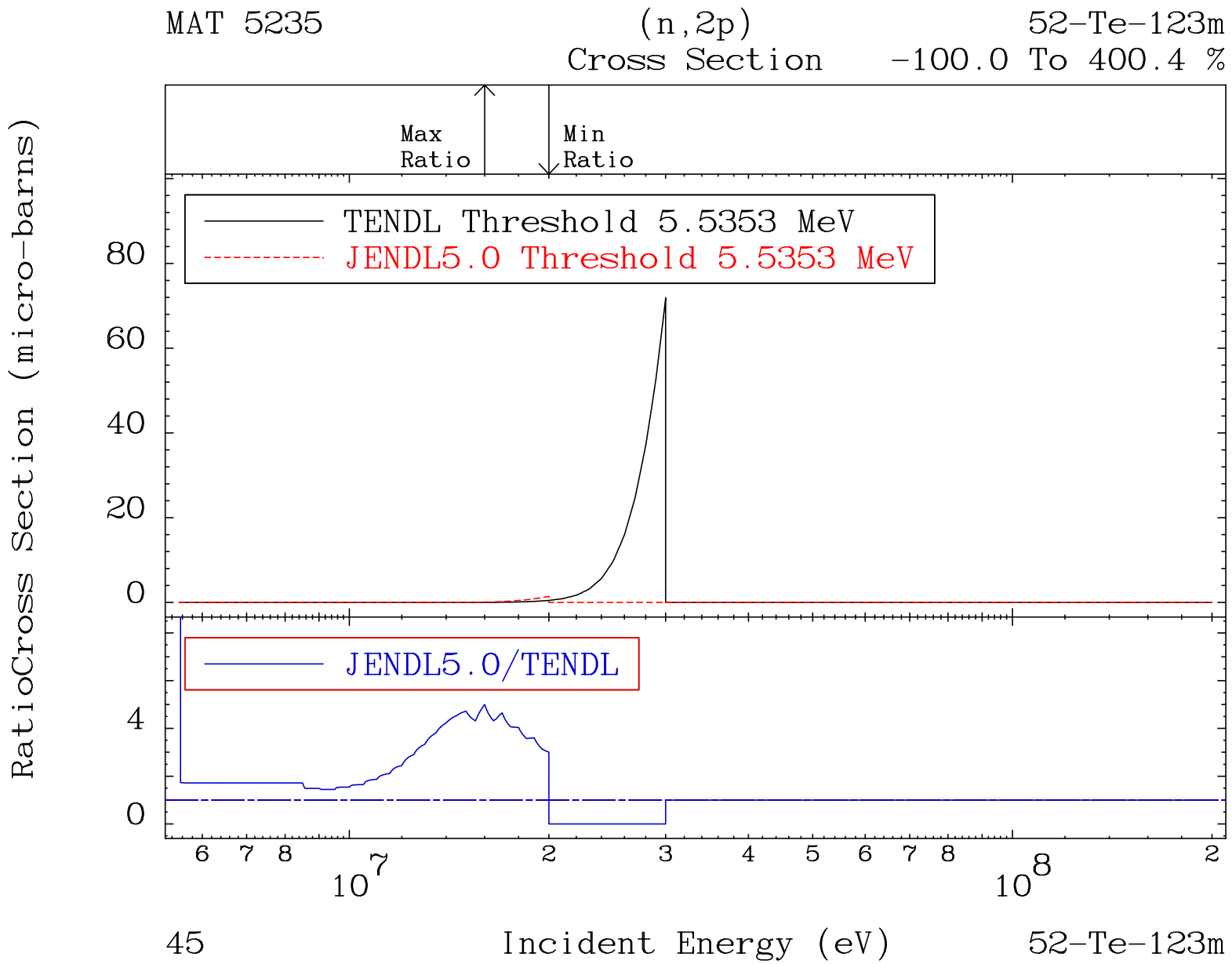

MAT 5235
(n,p)
Cross Section
52-Te-123m
-100.0 To 111.4 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
40
52-Te-123m

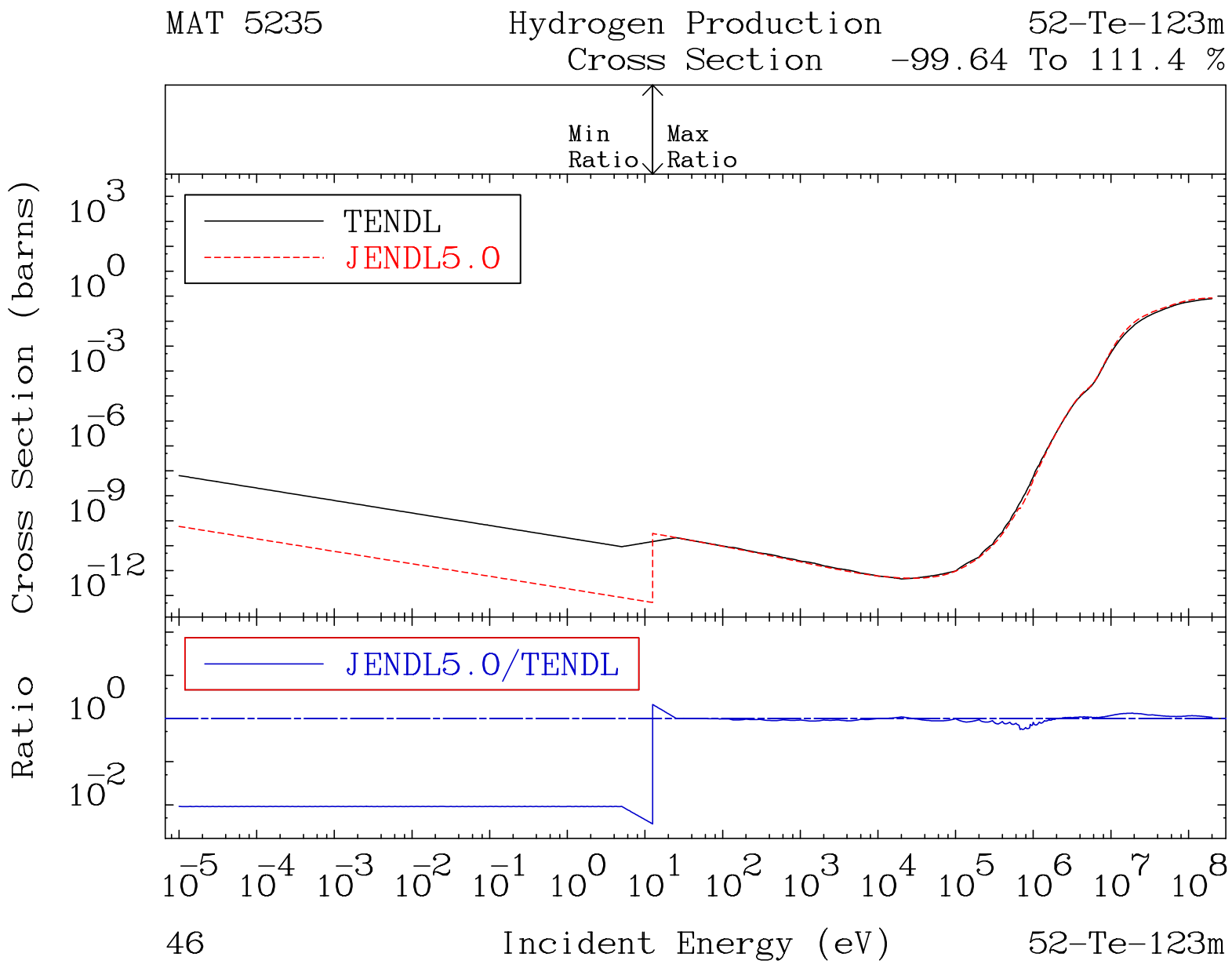

MAT 5235
(n,d)
52-Te-123m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.7001 MeV
JENDL5.0 Threshold 5.7001 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
41
52-Te-123m

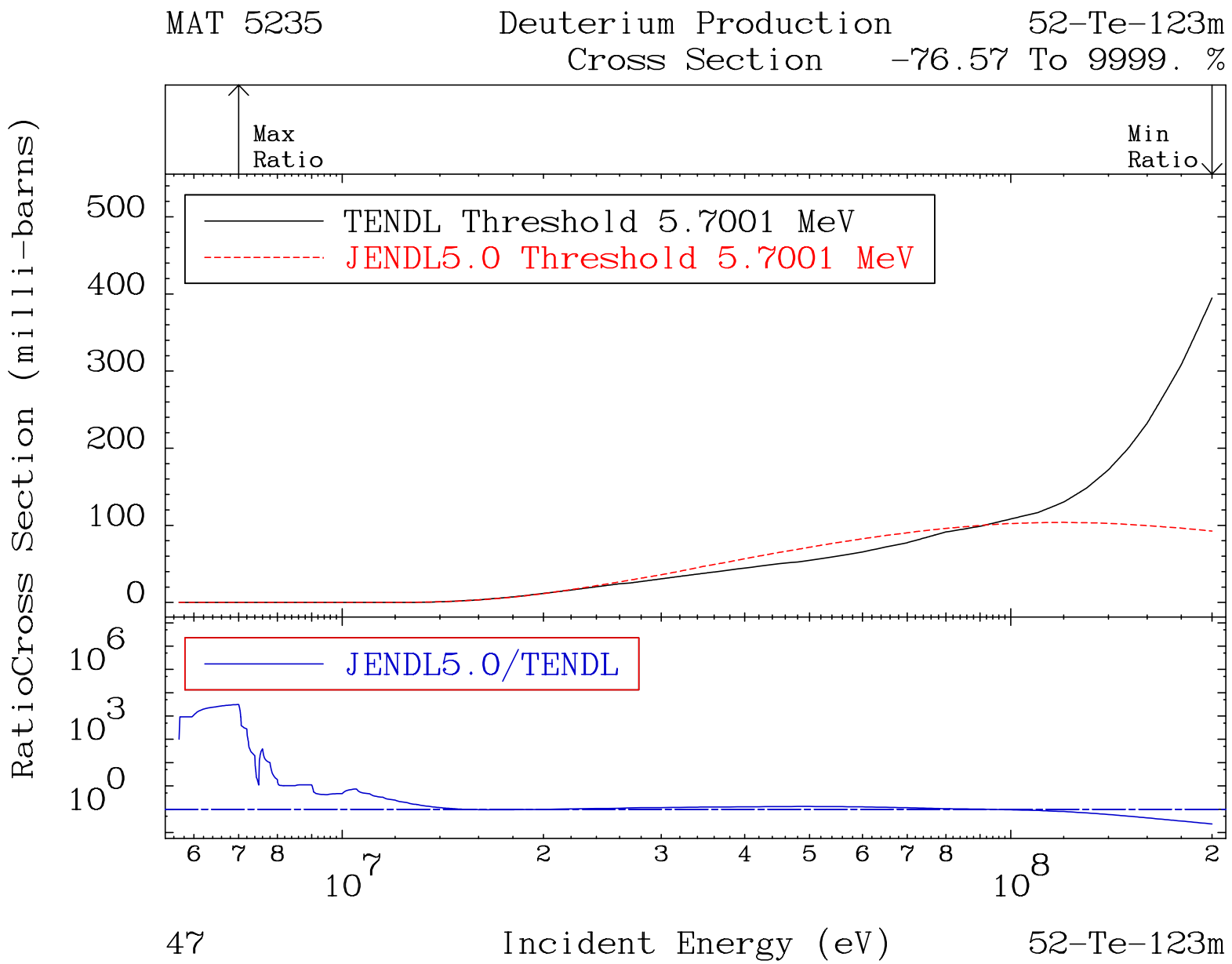

MAT 5235
(n,t)
Cross Section
52-Te-123m
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.2538 MeV
JENDL5.0 Threshold 6.2538 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
0.8
0.4
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
42
52-Te-123m

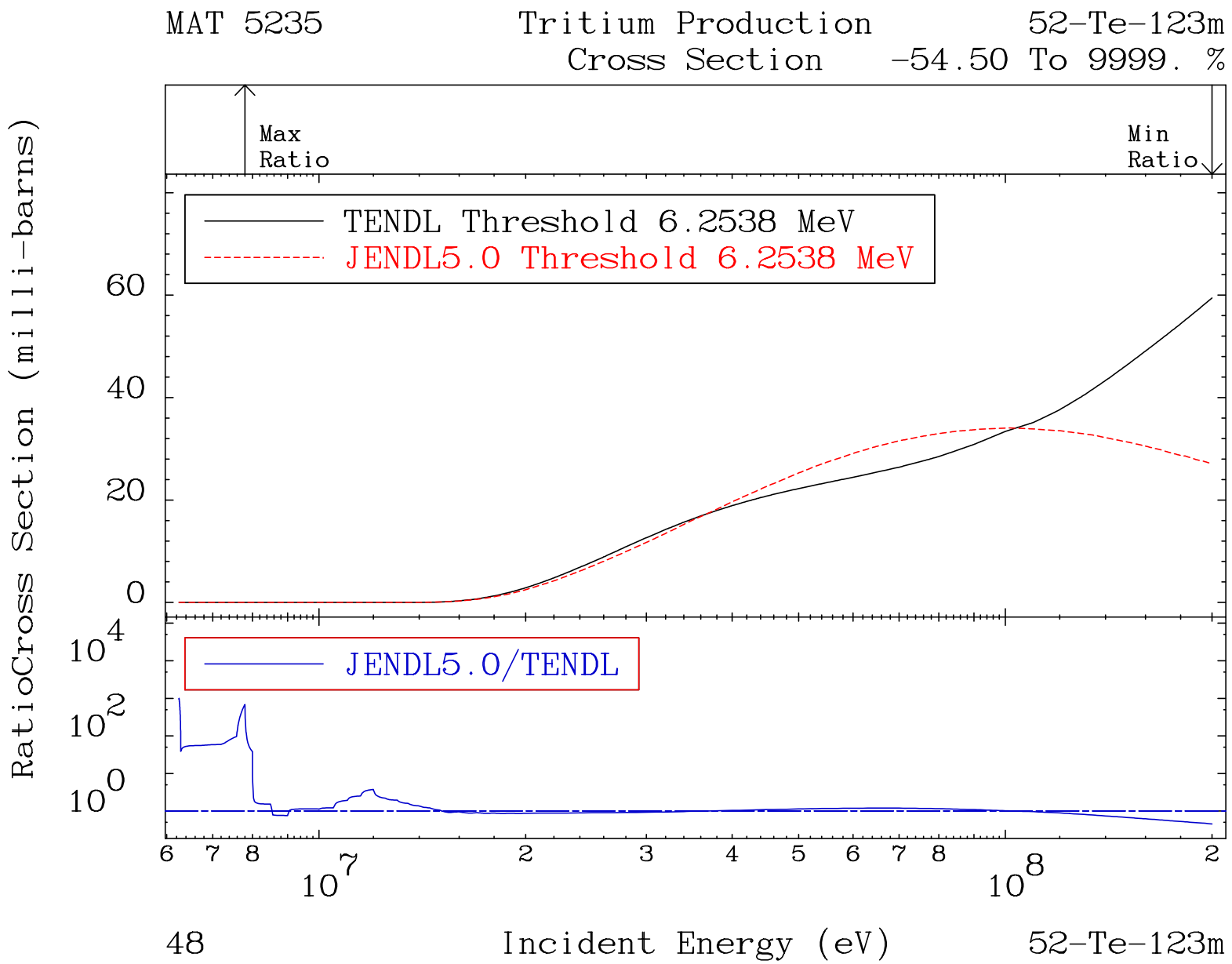

MAT 5235
(n,He-3)
52-Te-123m
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.6409 MeV
JENDL5.0 Threshold 6.6409 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.2
0.8
0.4
0.0
200
100
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
43
Incident Energy (eV)
52-Te-123m

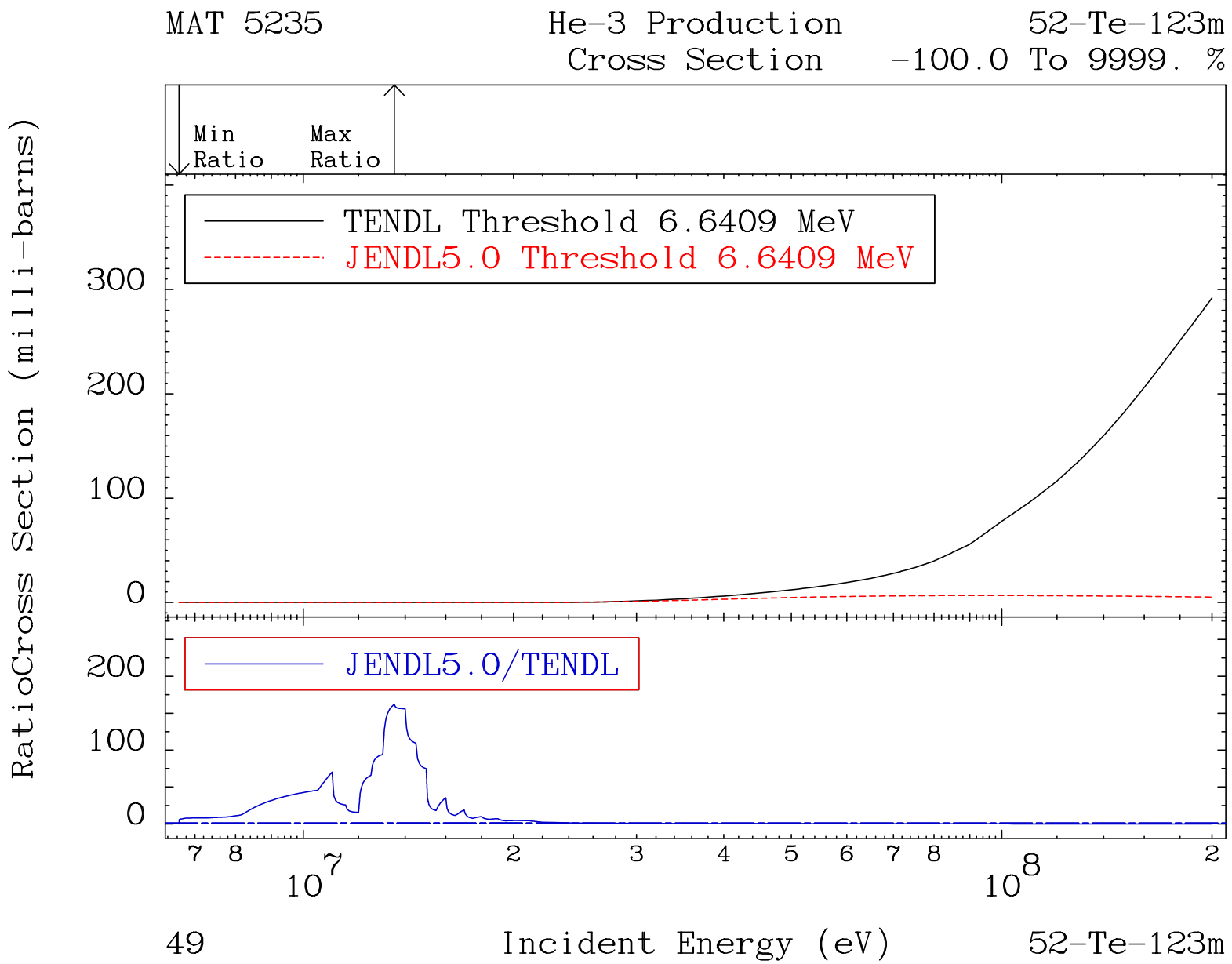

MAT 5235
(n,α)
Cross Section
52-Te-123m
-100.0 To 172.2 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
44
52-Te-123m

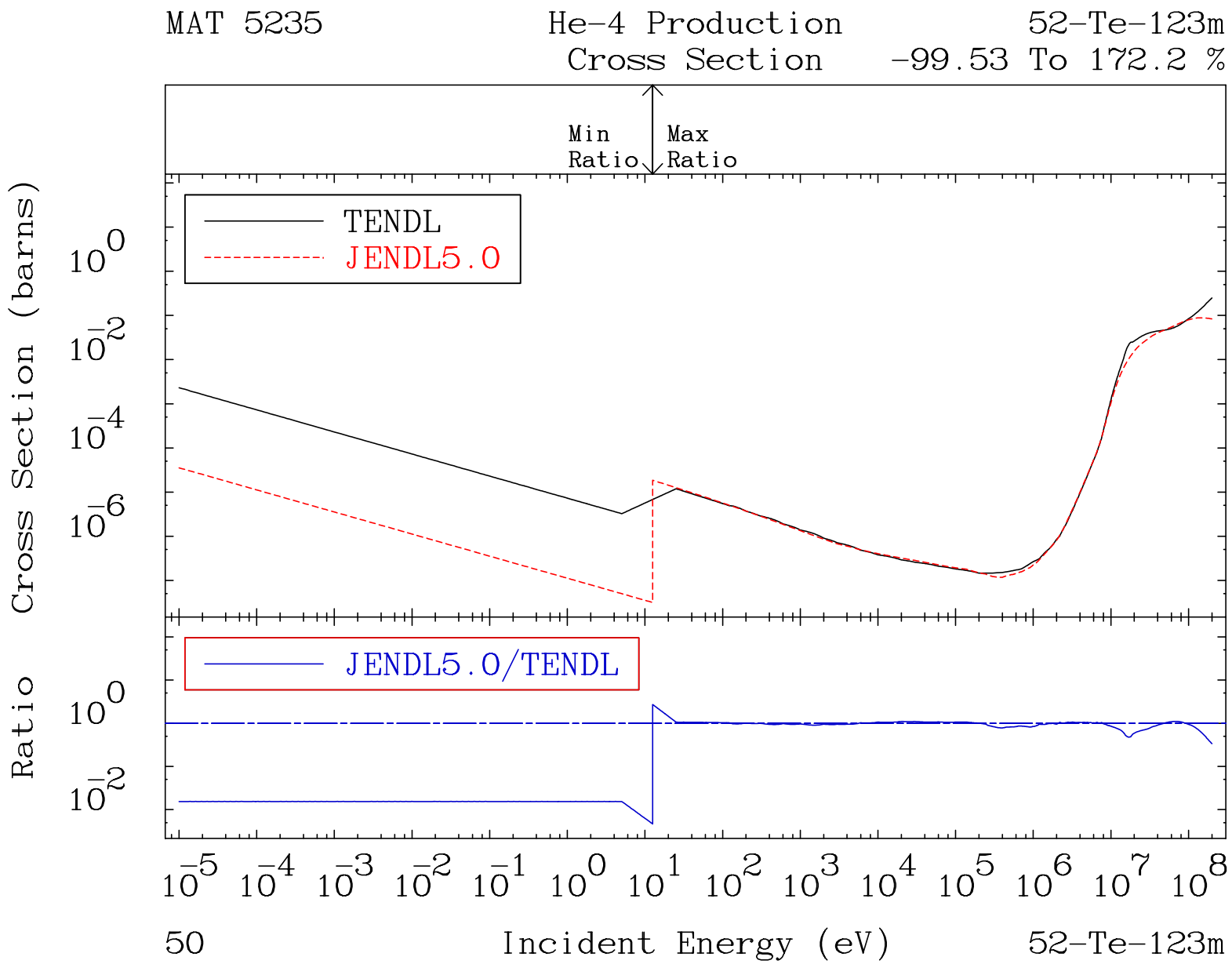

MAT 5235
(n,2p)
52-Te-123m
Cross Section
-100.0 To 400.4 %
Max Ratio
Min Ratio
TENDL Threshold 5.5353 MeV
JENDL5.0 Threshold 5.5353 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
80
60
40
20
0
4
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
45
Incident Energy (eV)
52-Te-123m

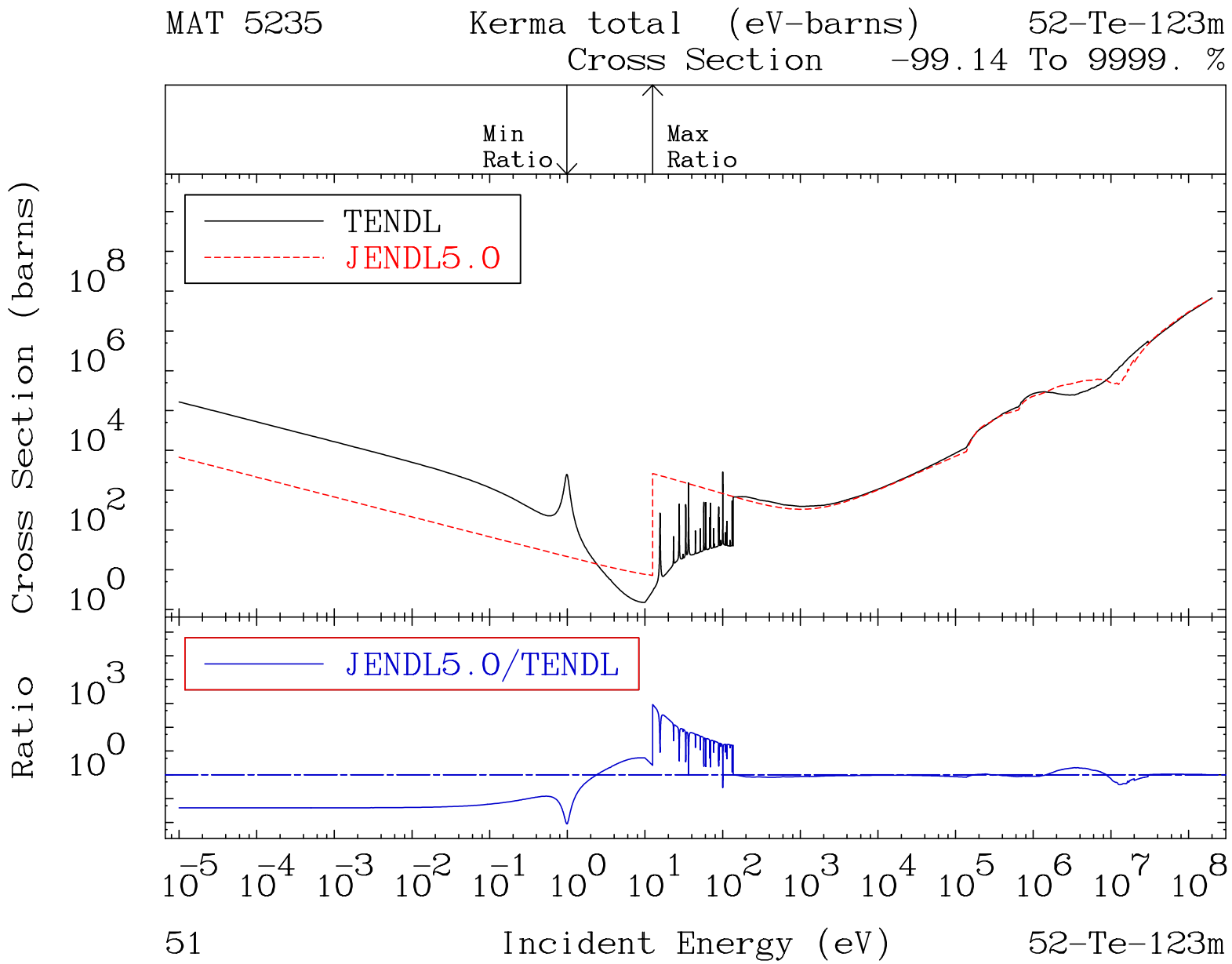

MAT 5235
Hydrogen Production
52-Te-123m
Cross Section
-99.64 To 111.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
52-Te-123m

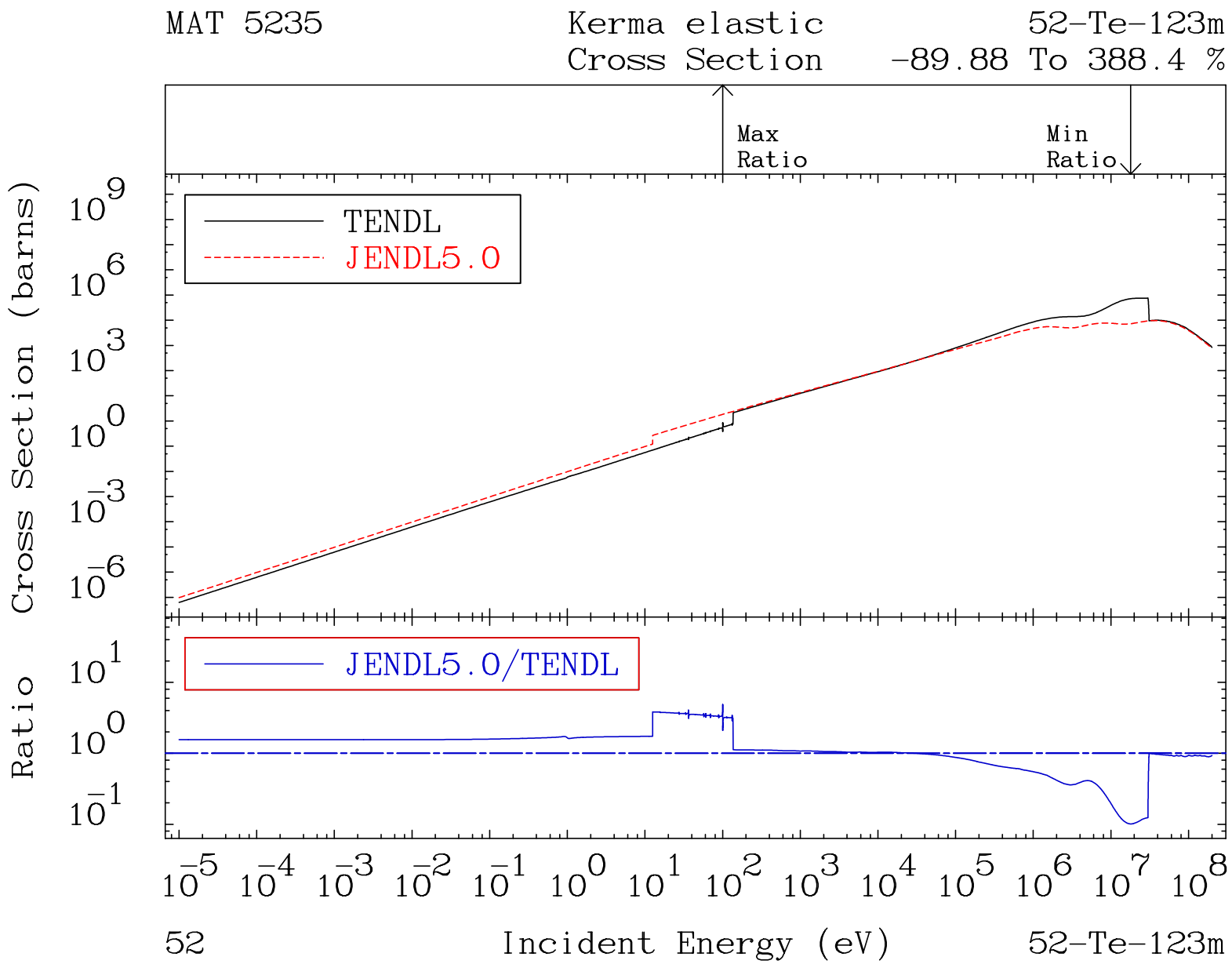

MAT 5235
Deuterium Production
52-Te-123m
Cross Section -76.57 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.7001 MeV
JENDL5.0 Threshold 5.7001 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
10^6
10^3
10^0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
47
Incident Energy (eV)
52-Te-123m

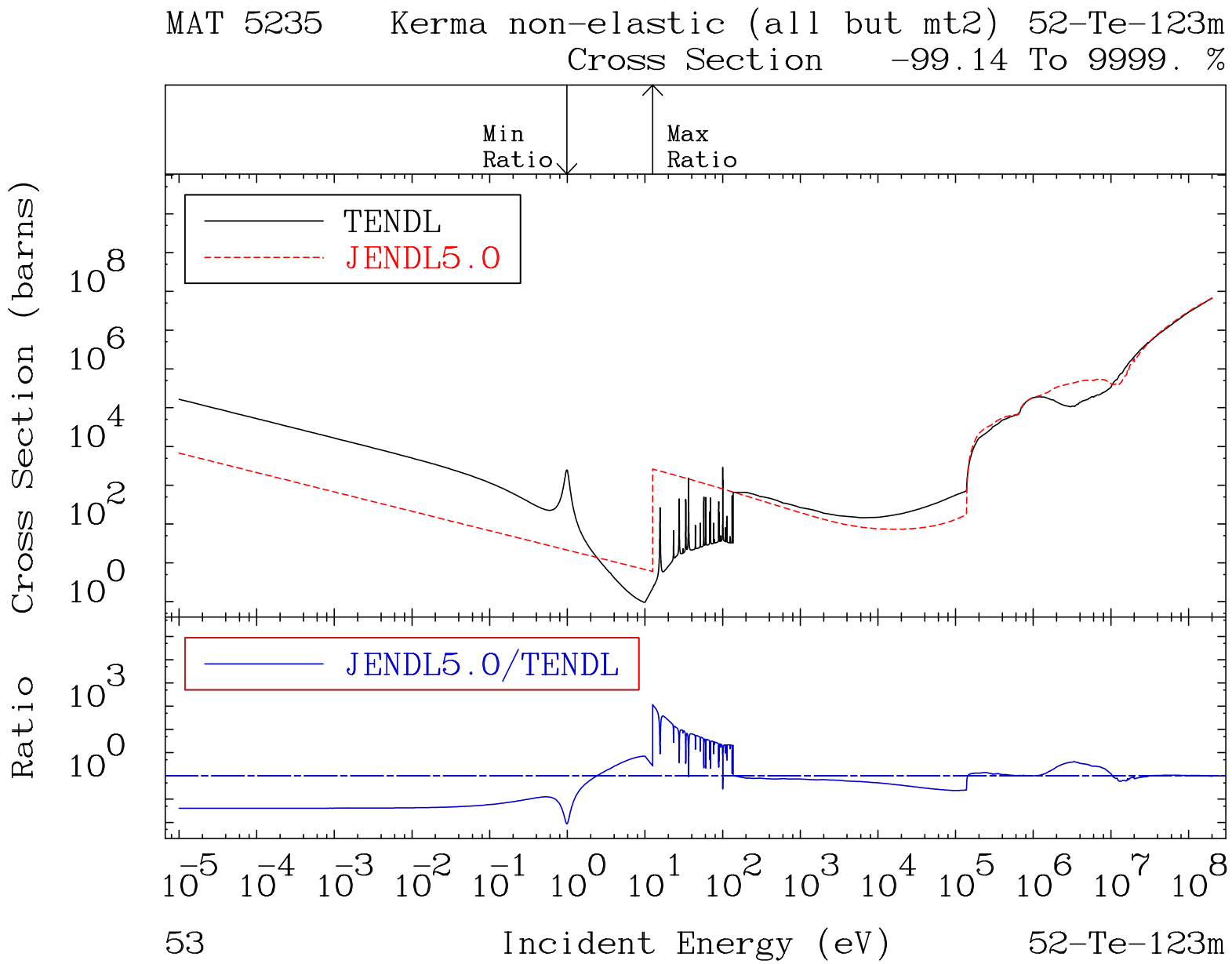

MAT 5235
Tritium Production
Cross Section
52-Te-123m
-54.50 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.2538 MeV
JENDL5.0 Threshold 6.2538 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
10^4
10^2
10^0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
48
Incident Energy (eV)
52-Te-123m

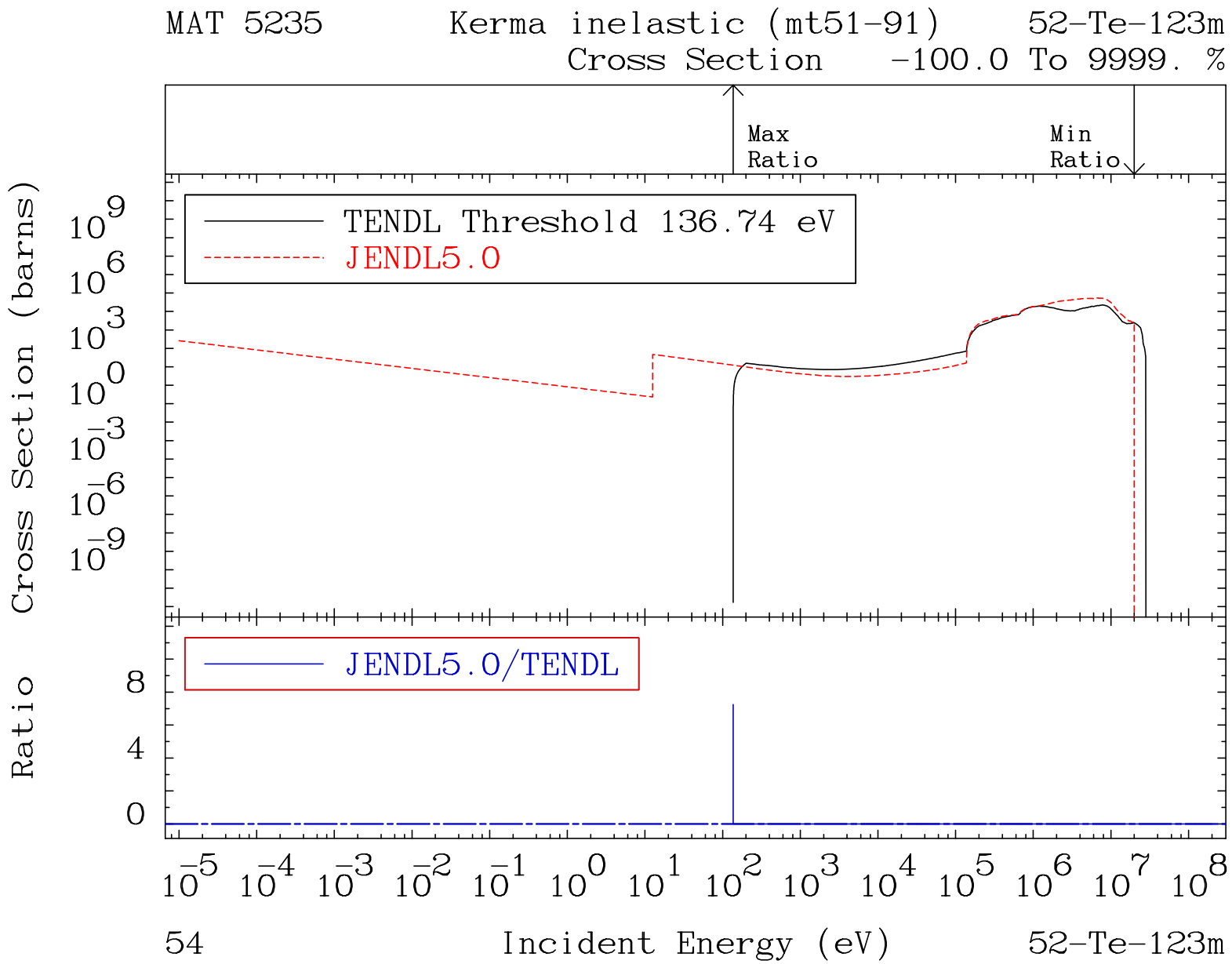

MAT 5235
He-3 Production
Cross Section
52-Te-123m
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.6409 MeV
JENDL5.0 Threshold 6.6409 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
200
100
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
49
Incident Energy (eV)
52-Te-123m

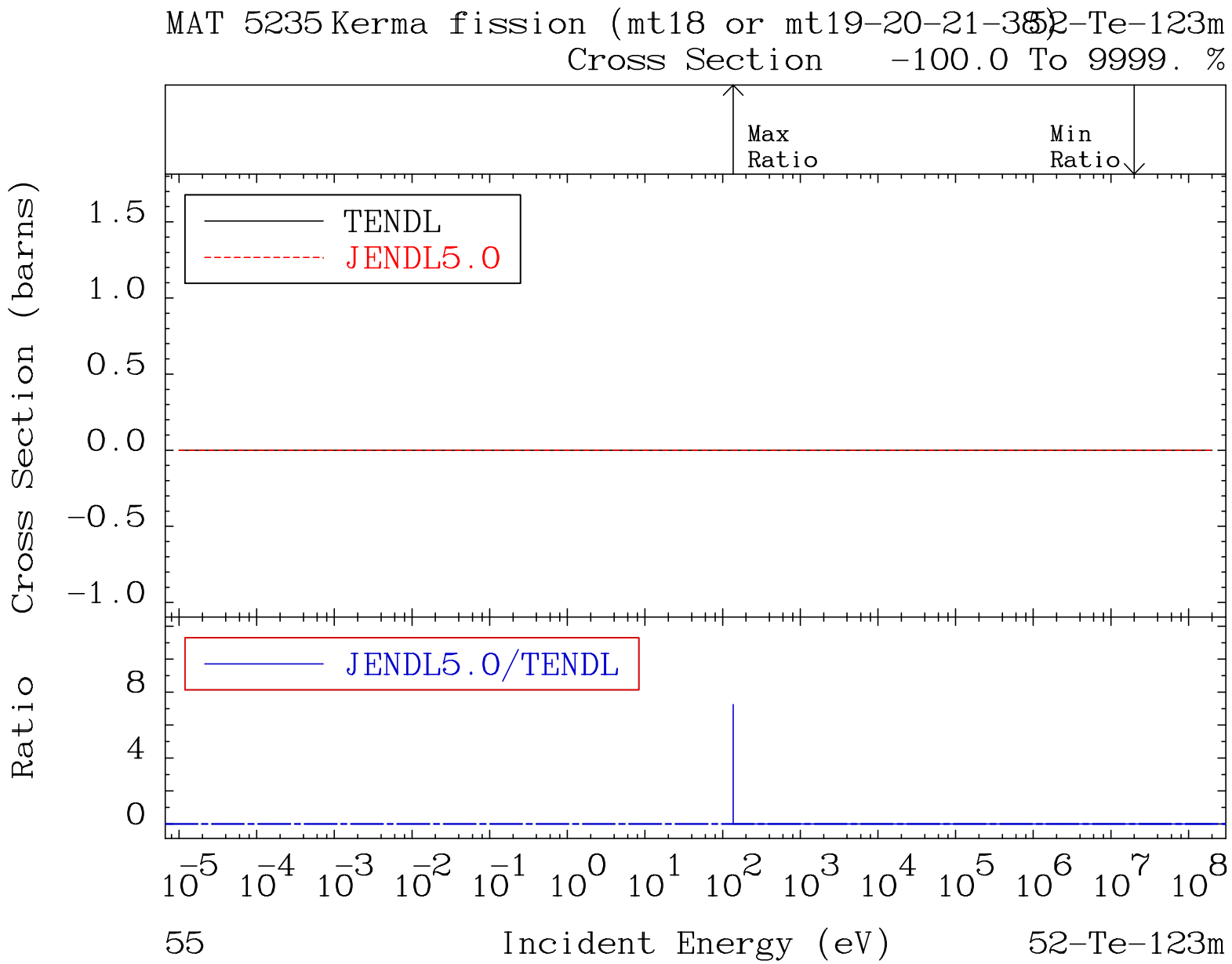

MAT 5235
He-4 Production
Cross Section
52-Te-123m
-99.53 To 172.2 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
52-Te-123m

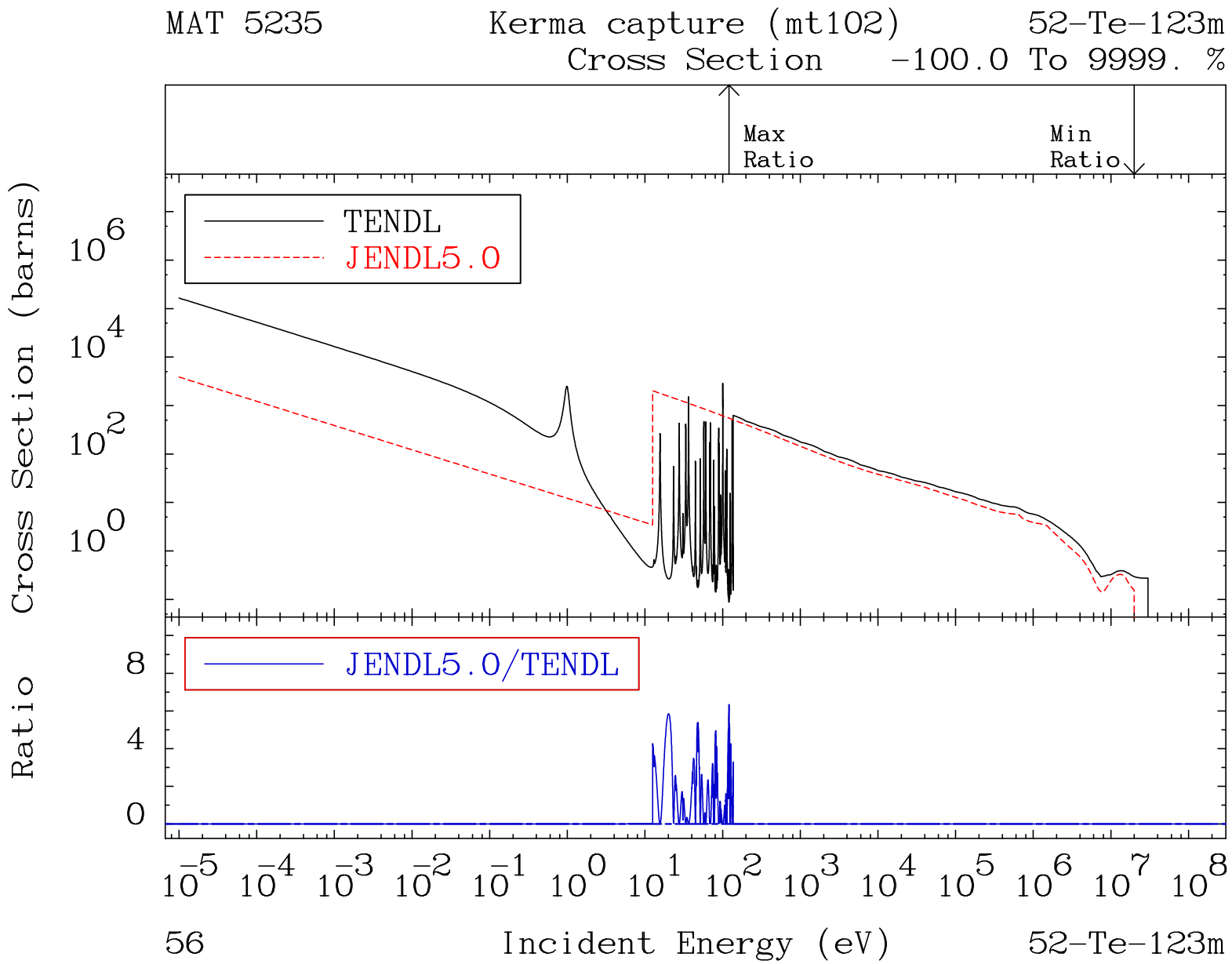

MAT 5235
Kerma total (eV-barns)
52-Te-123m
Cross Section -99.14 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
51
52-Te-123m

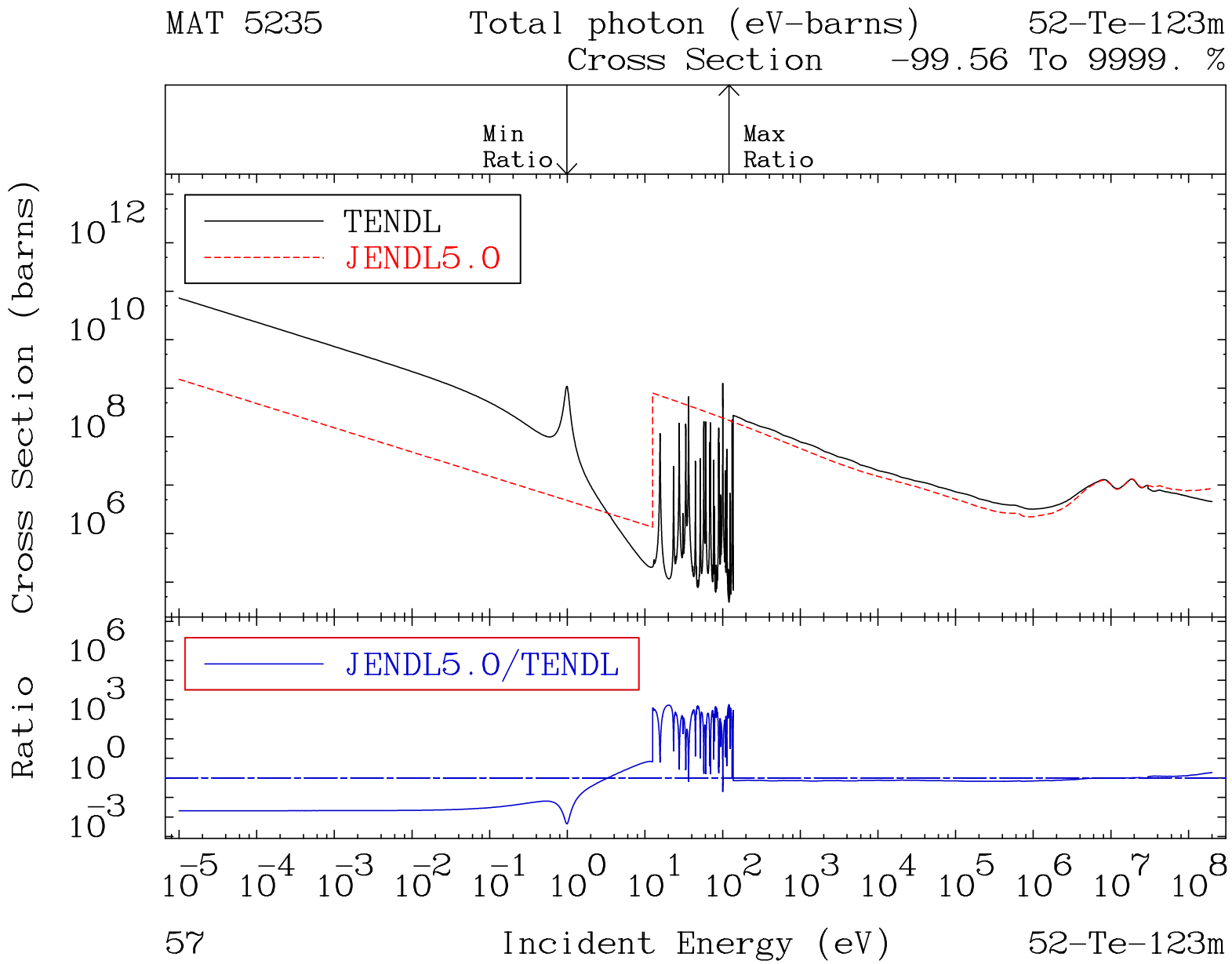

MAT 5235
Kerma elastic
Cross Section
52-Te-123m
-89.88 To 388.4 %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
52-Te-123m

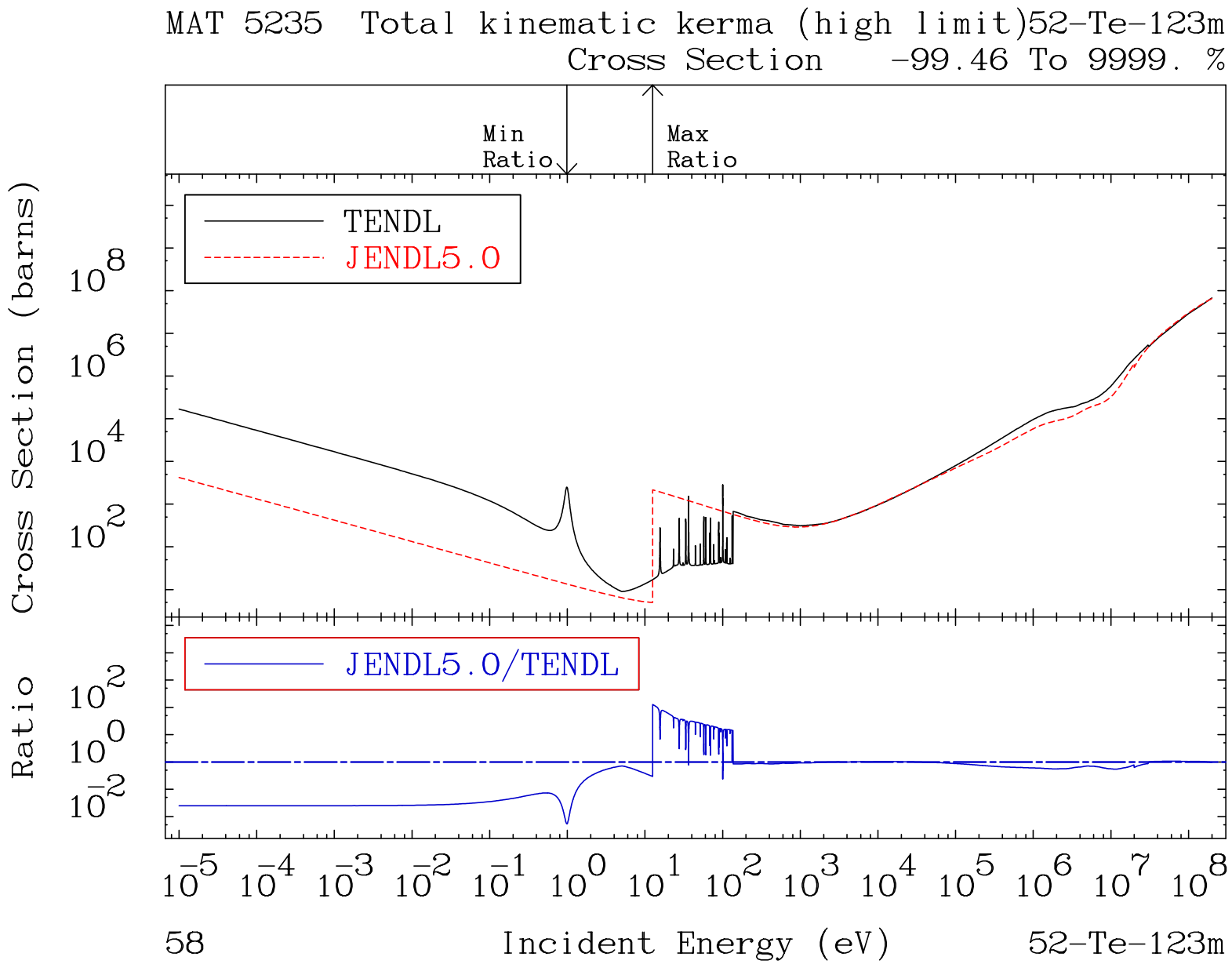

MAT 5235 Kerma non-elastic (all but mt2) 52-Te-123m
Cross Section -99.14 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
52-Te-123m

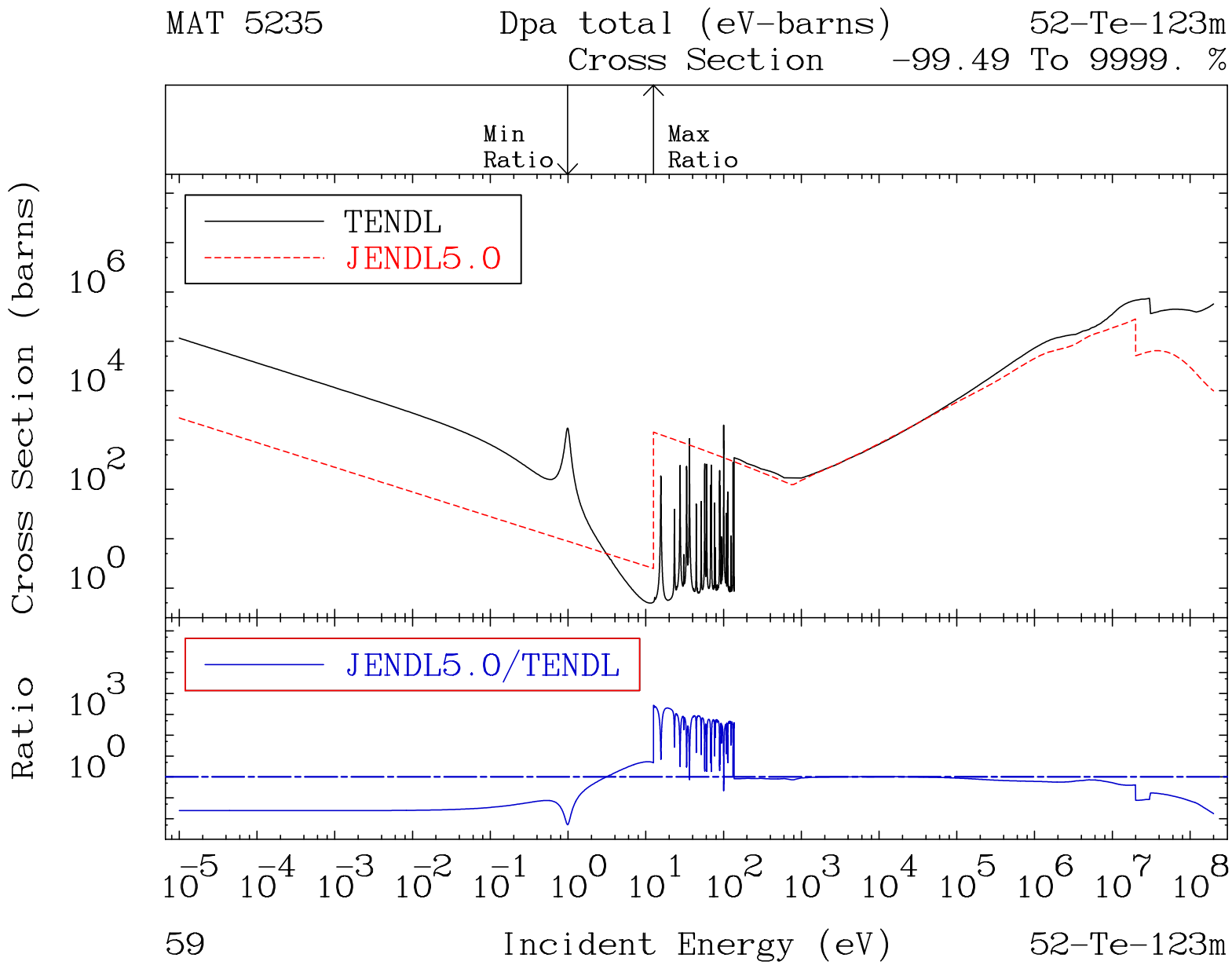

MAT 5235
Kerma inelastic (mt51-91)
52-Te-123m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 136.74 eV
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
52-Te-123m

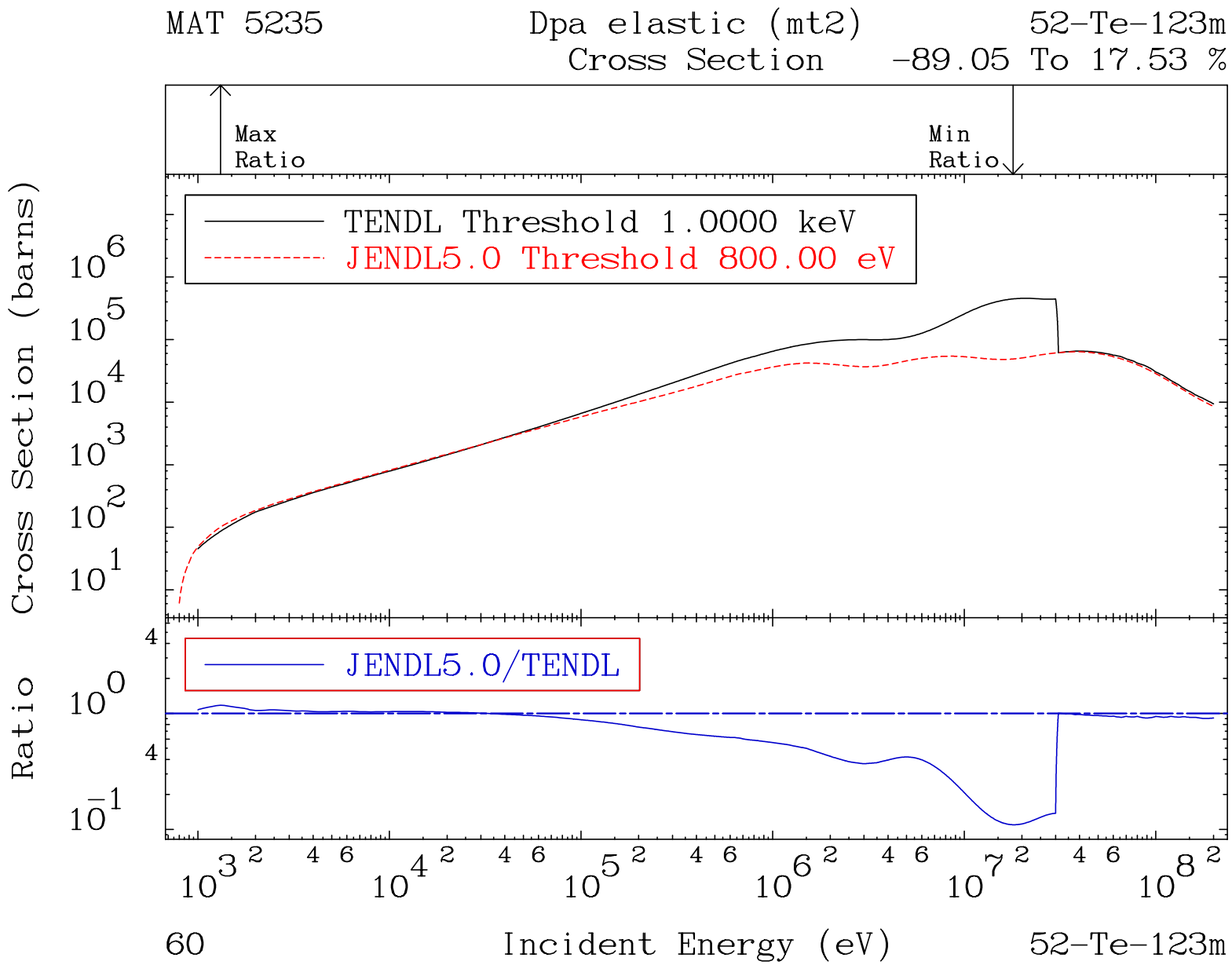

MAT 5235 Kerma fission (mt18 or mt19-20-21-38)
52-Te-123m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
8
4
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
55
Incident Energy (eV)
52-Te-123m

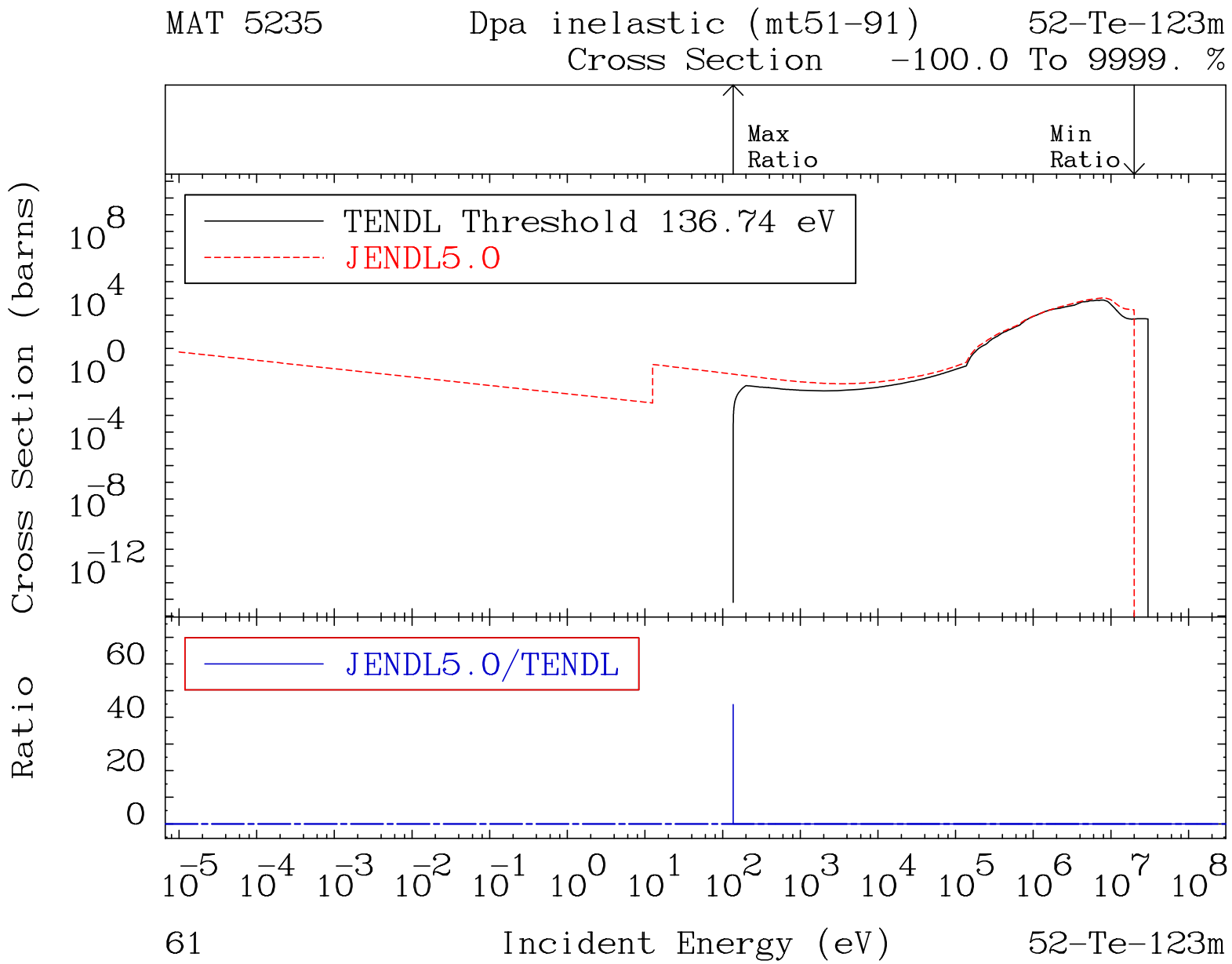

MAT 5235
Kerma capture (mt102)
52-Te-123m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
56
52-Te-123m

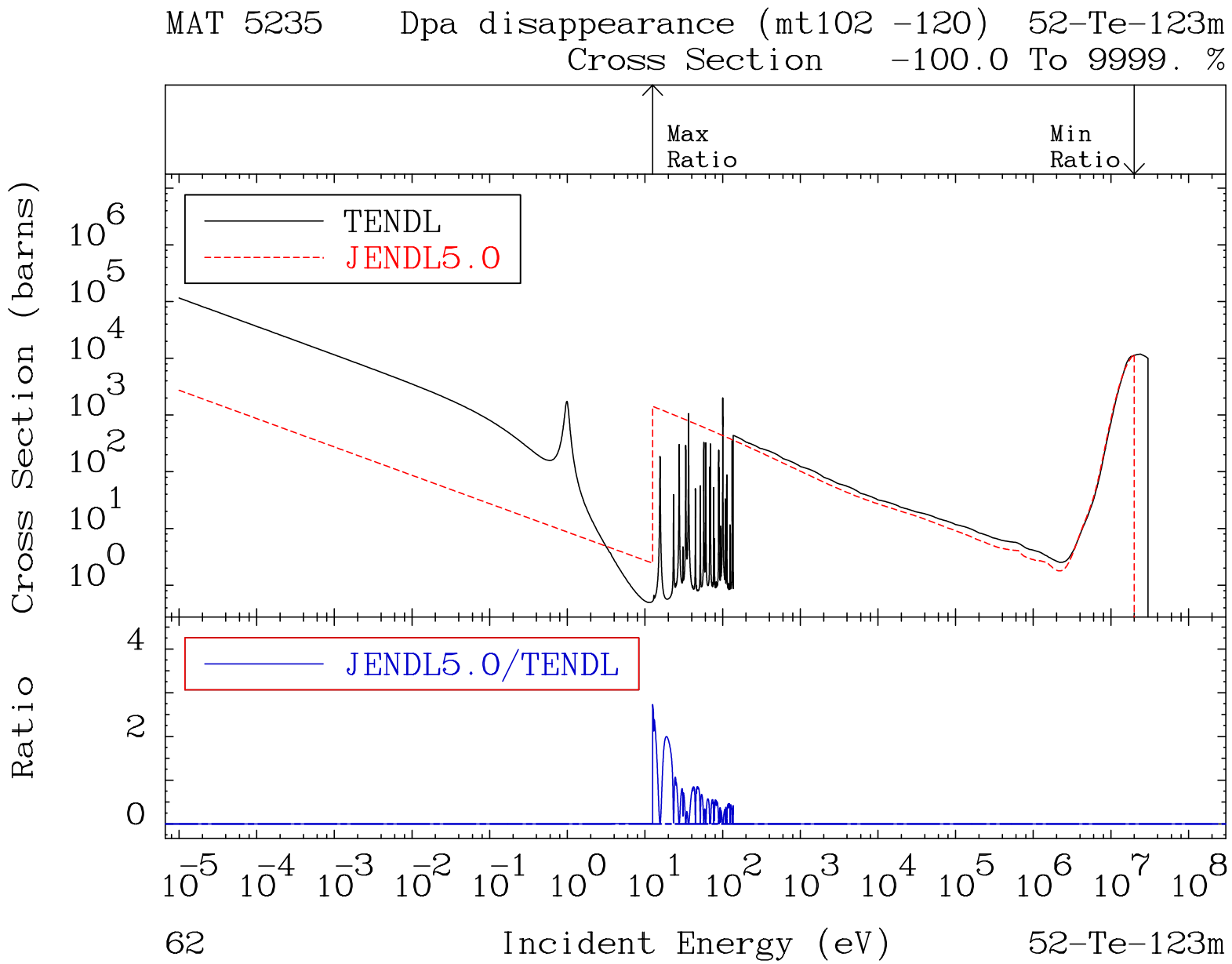

MAT 5235
Total photon (eV-barns)
52-Te-123m
Cross Section -99.56 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
52-Te-123m

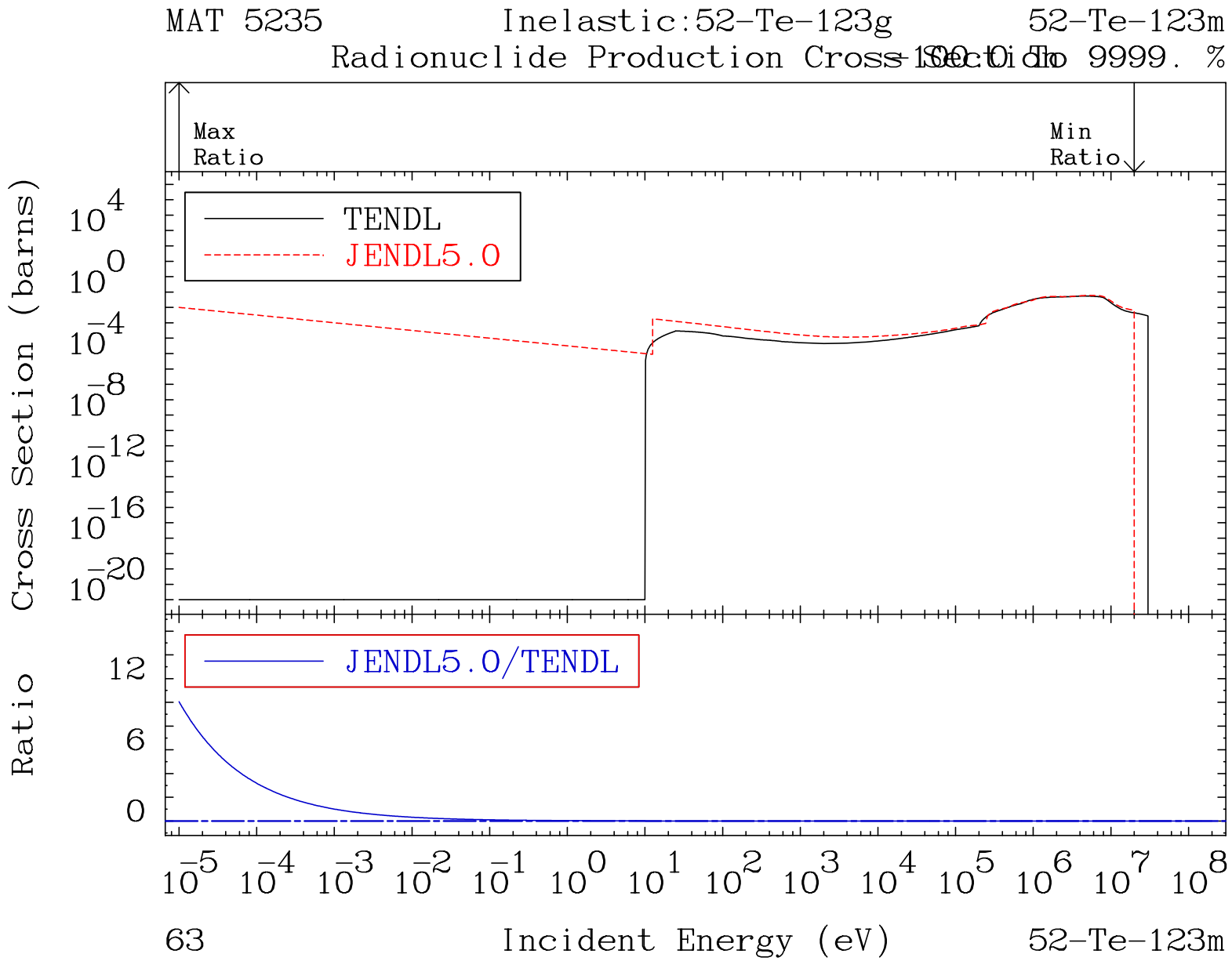

MAT 5235 Total kinematic kerma (high limit)52-Te-123m
Cross Section -99.46 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
58
52-Te-123m

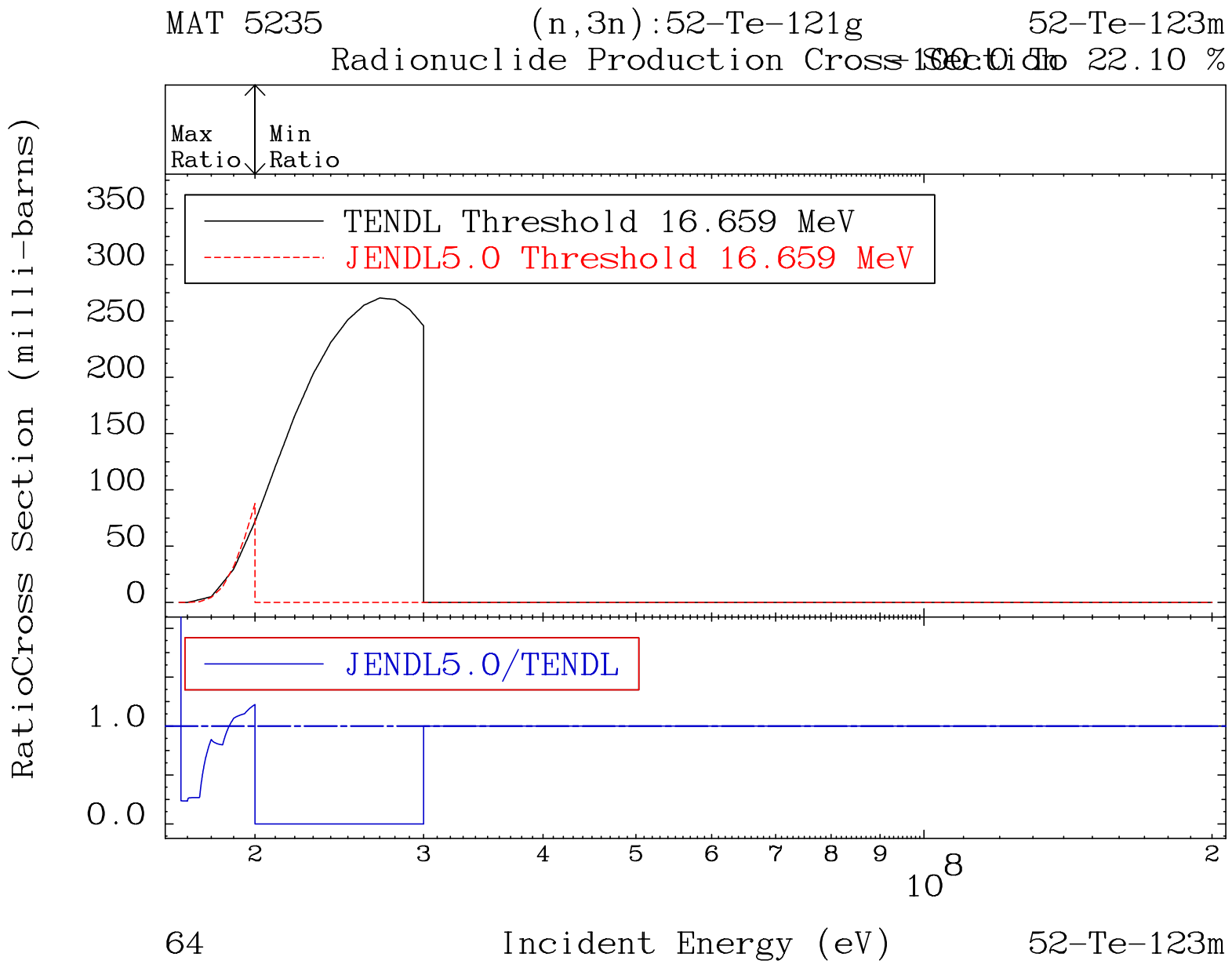

MAT 5235
Dpa total (eV-barns)
52-Te-123m
Cross Section
-99.49 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
52-Te-123m

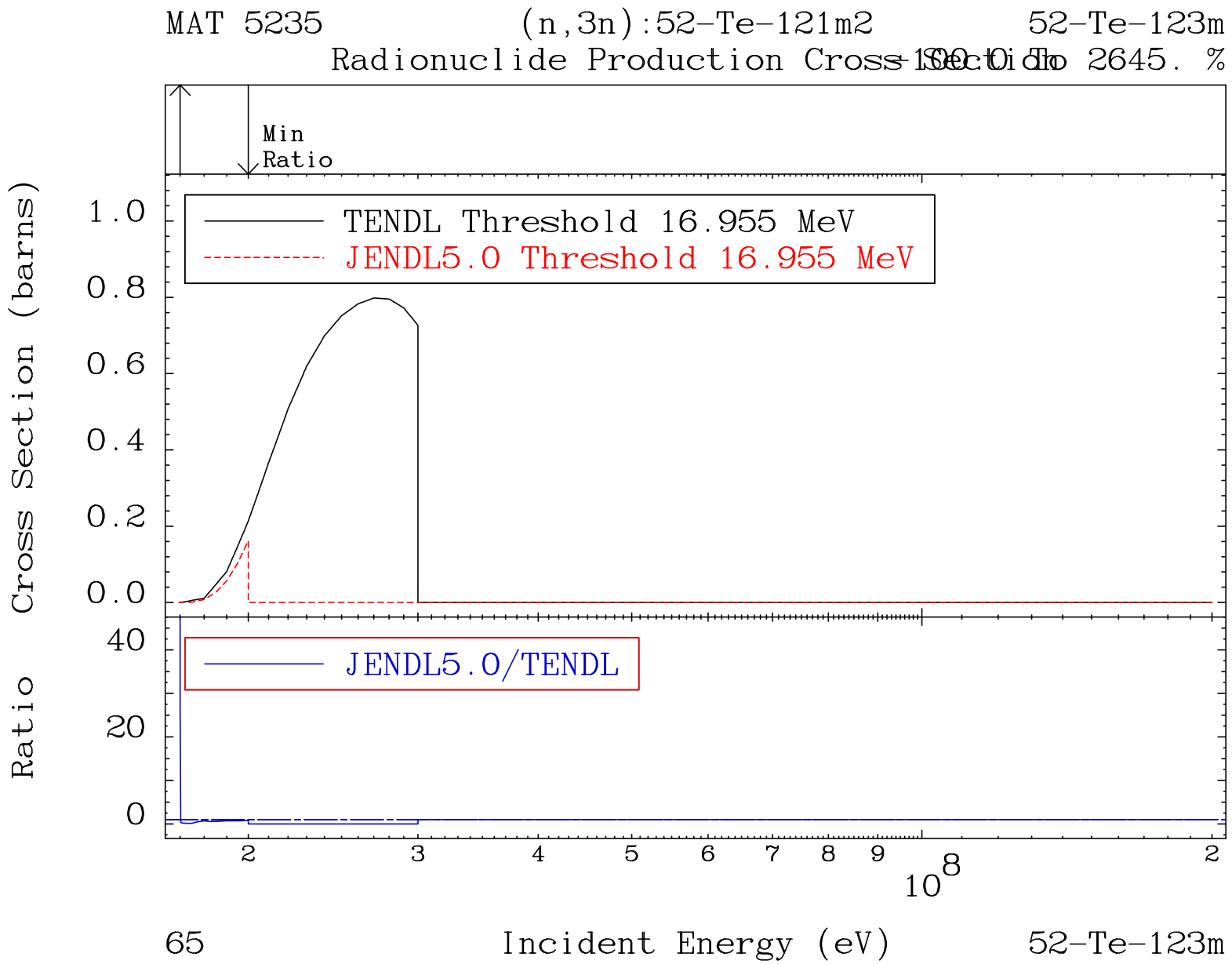

MAT 5235
Dpa elastic (mt2)
Cross Section
52-Te-123m
-89.05 To 17.53 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.0000 keV
JENDL5.0 Threshold 800.00 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
52-Te-123m

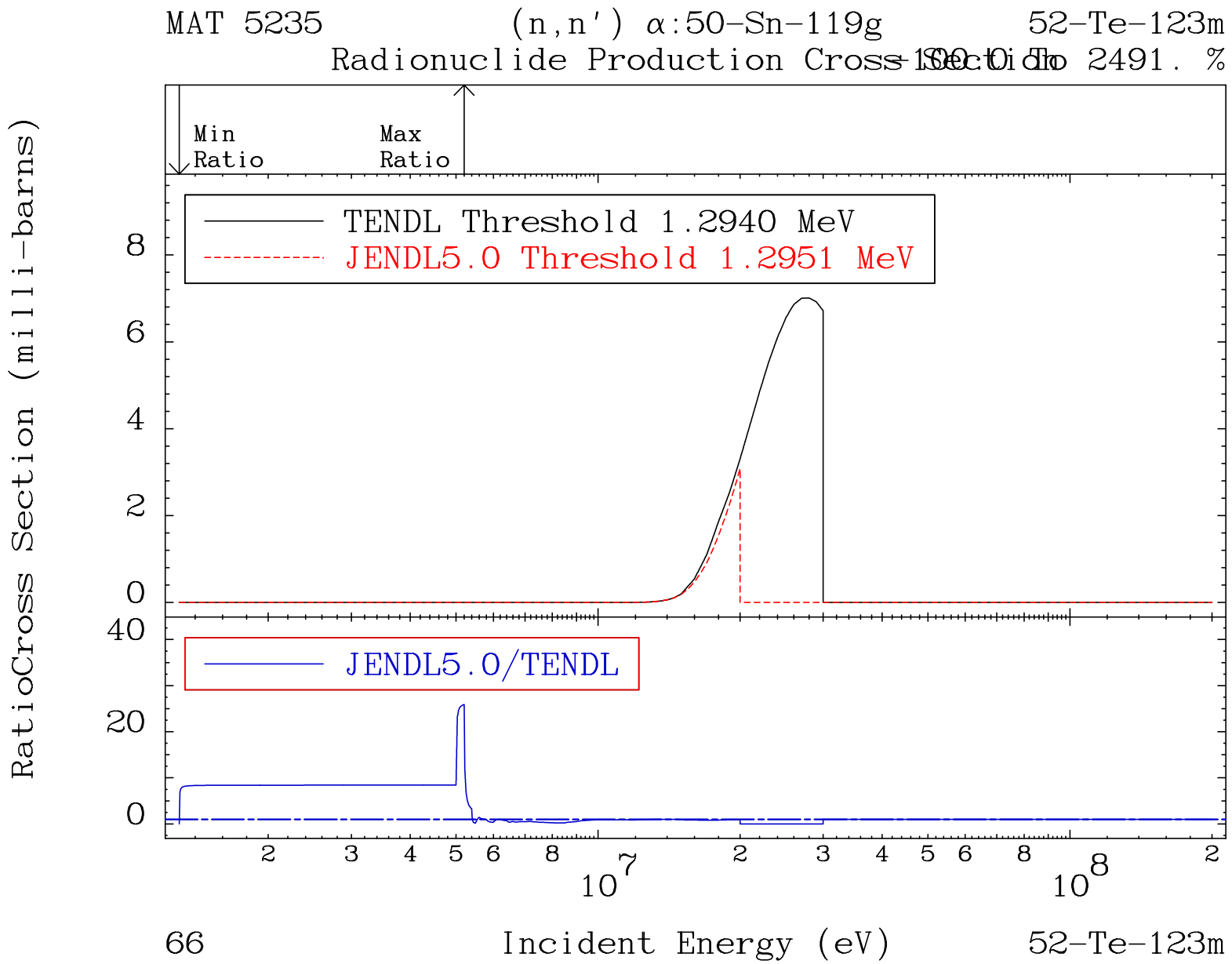

MAT 5235
Dpa inelastic (mt51-91)
52-Te-123m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 136.74 eV
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
52-Te-123m

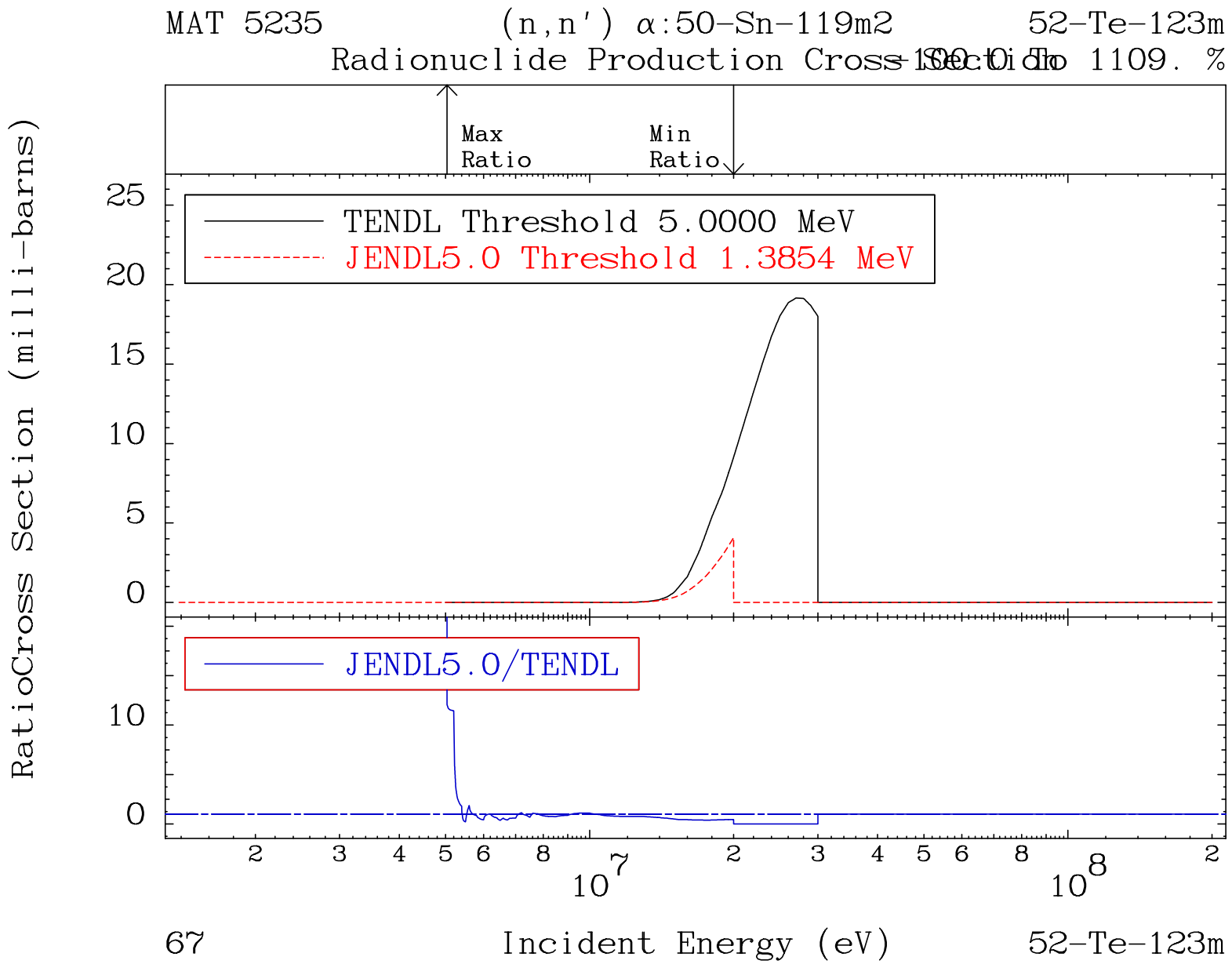

MAT 5235 Dpa disappearance (mt102 -120) 52-Te-123m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
52-Te-123m

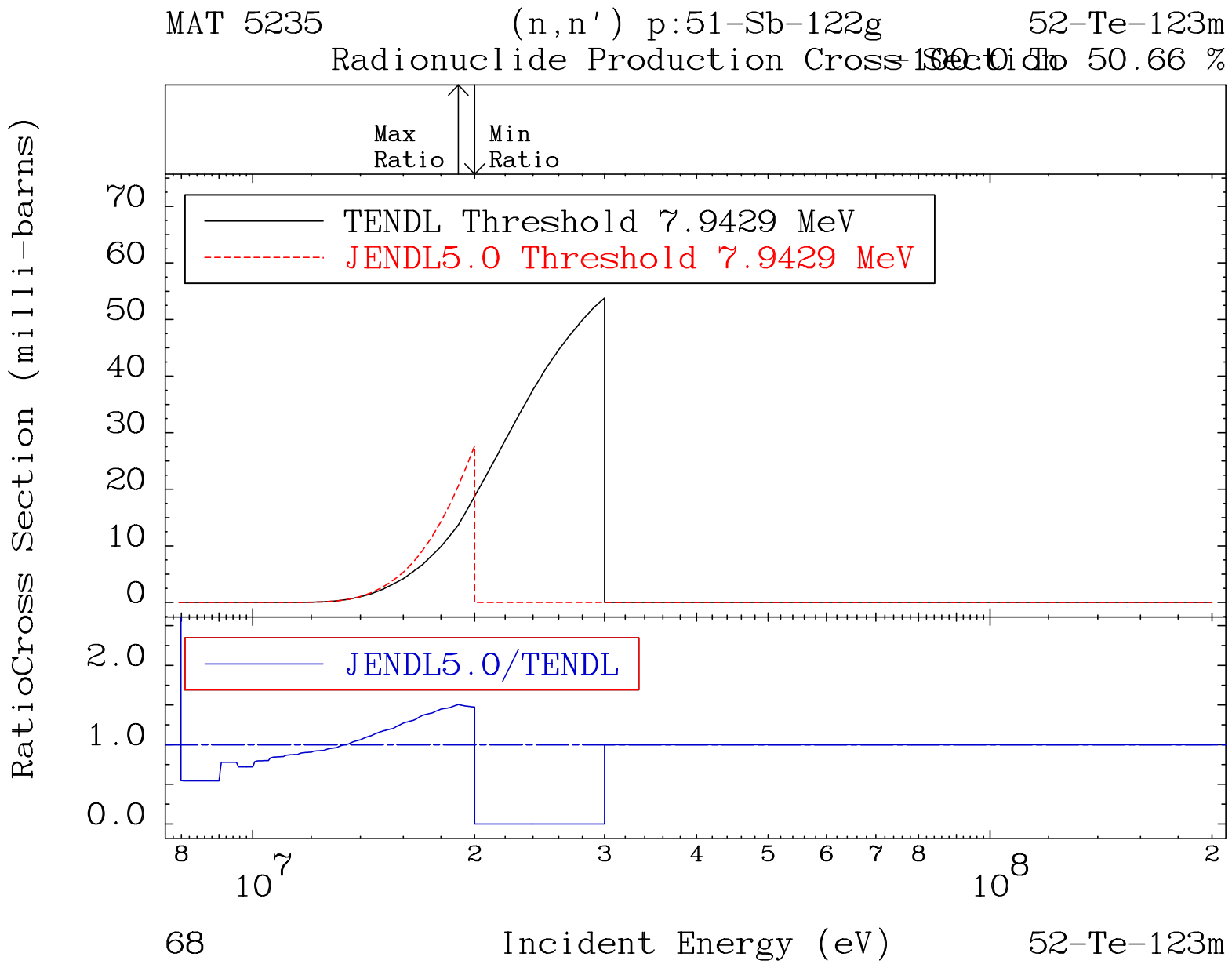

MAT 5235
Inelastic:52-Te-123g
52-Te-123m
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
52-Te-123m

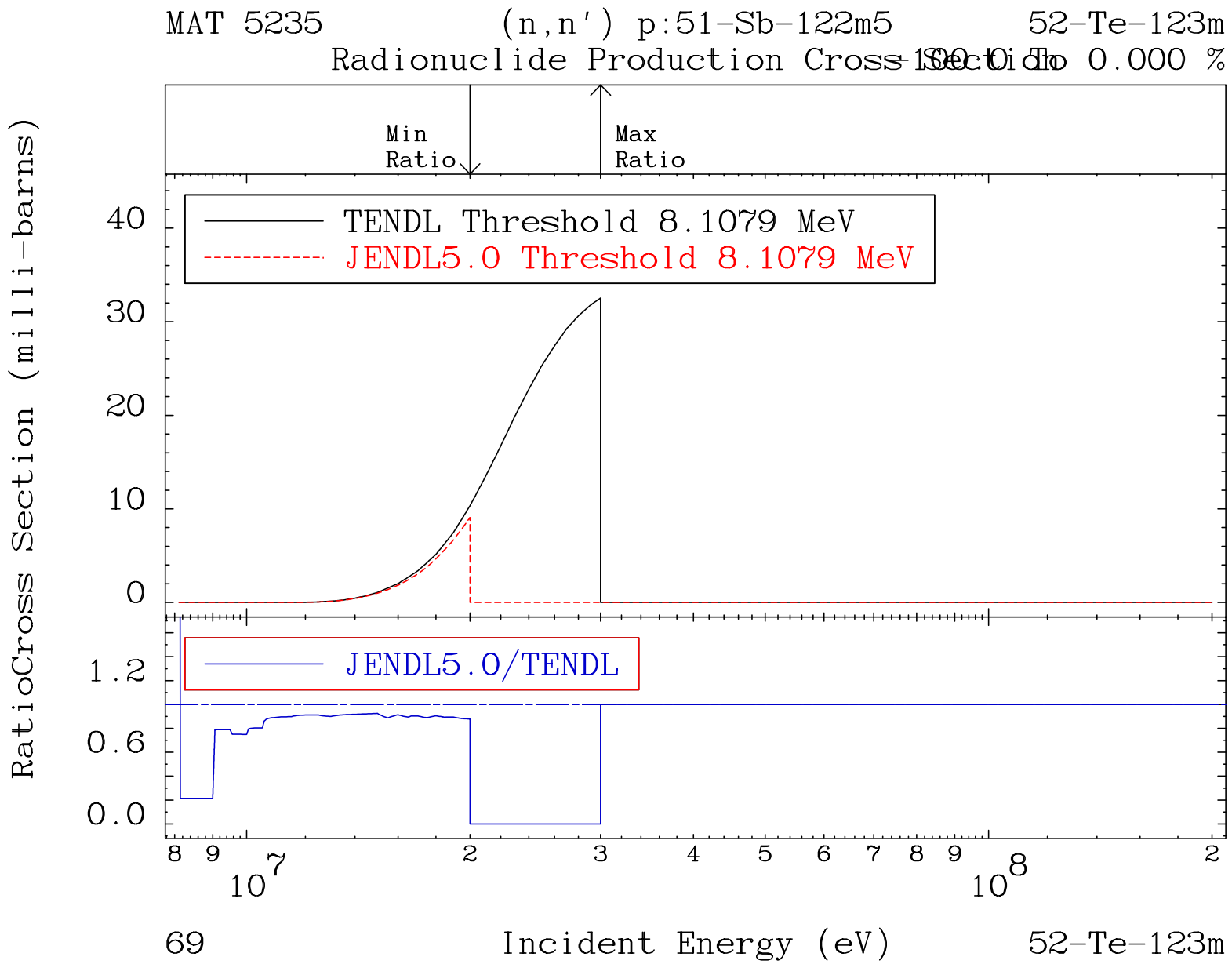

MAT 5235
(n,3n):52-Te-121g
52-Te-123m
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 16.659 MeV
JENDL5.0 Threshold 16.659 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
64
Incident Energy (eV)
52-Te-123m

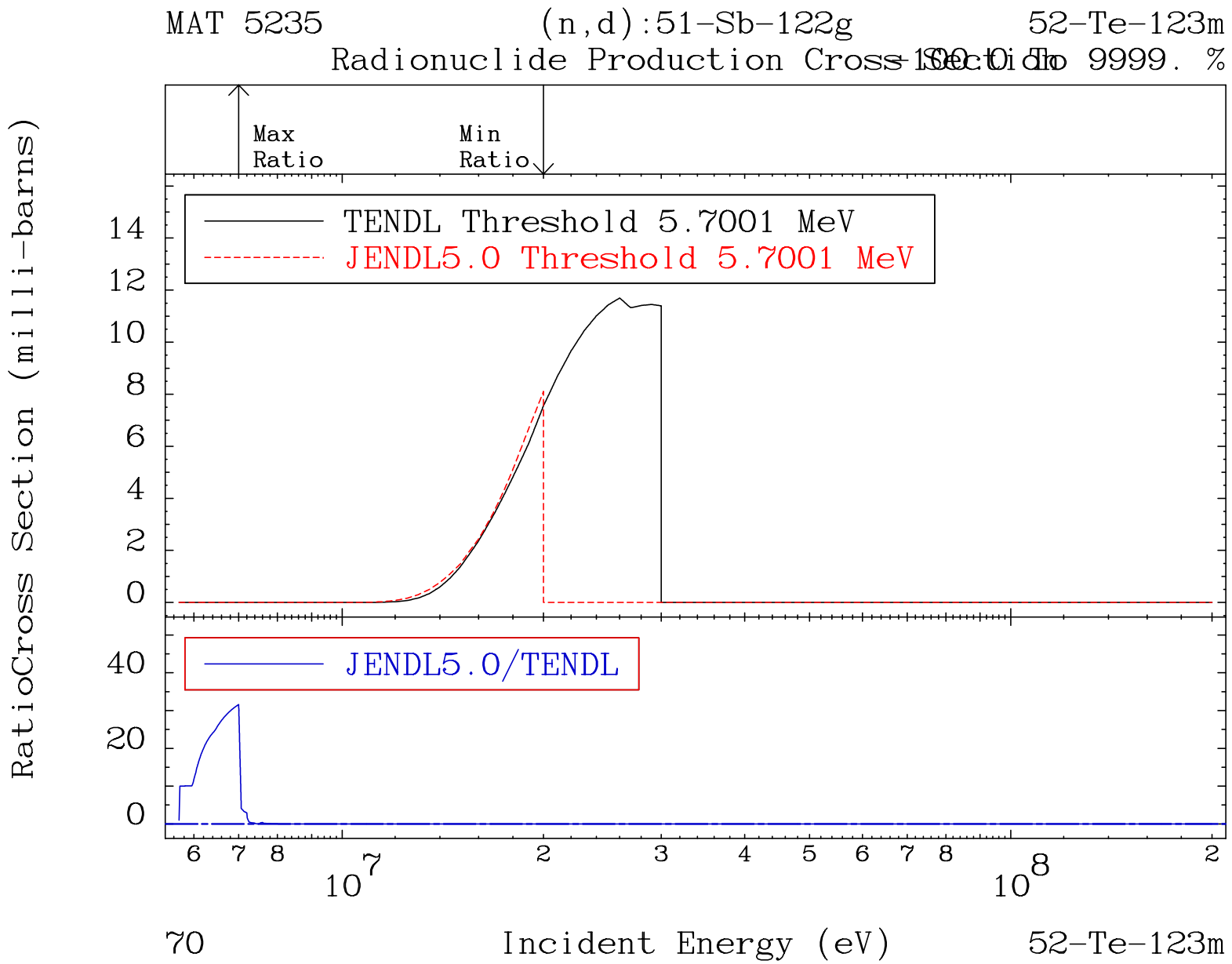

MAT 5235
(n,3n):52-Te-121m2
52-Te-123m
Radionuclide Production Cross Section
Min
Ratio
TENDL Threshold 16.955 MeV
JENDL5.0 Threshold 16.955 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
40
20
0
2
3
4
5
6
7
8
9
10^8
2
65
Incident Energy (eV)
52-Te-123m

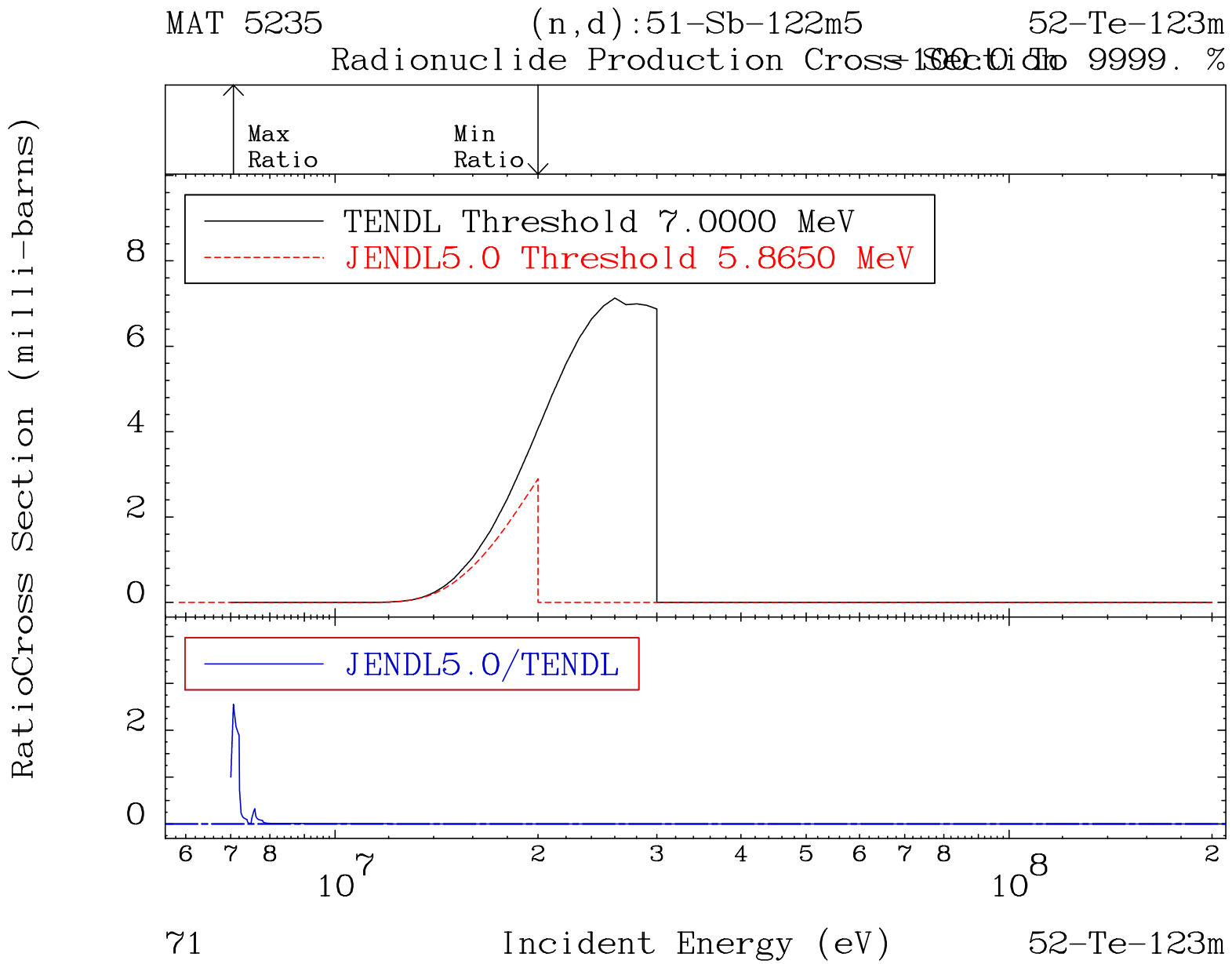

MAT 5235
(n,n') α:50-Sn-119g
52-Te-123m
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 1.2940 MeV
JENDL5.0 Threshold 1.2951 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
66
52-Te-123m

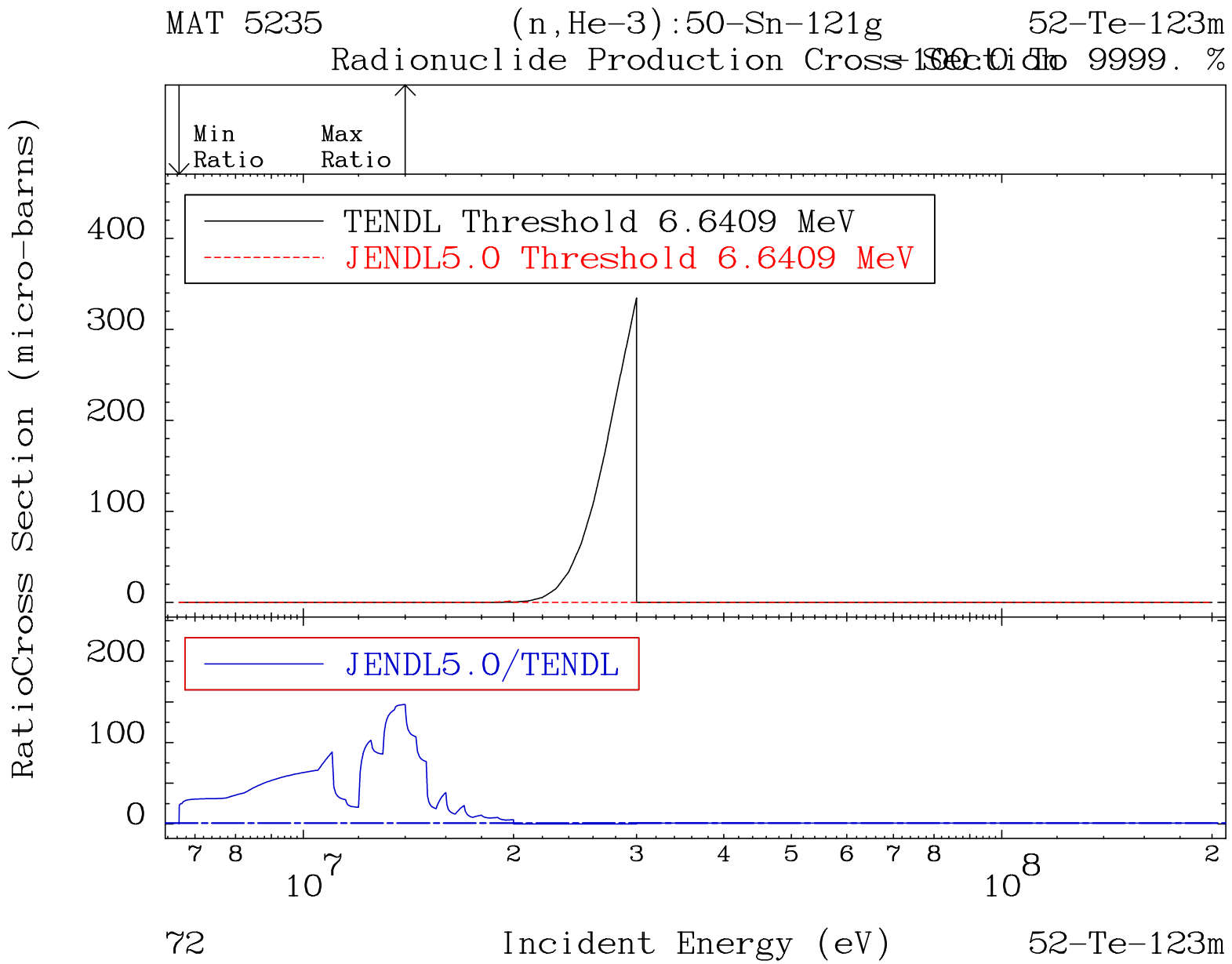

MAT 5235
(n,n') α:50-Sn-119m2
52-Te-123m
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 5.0000 MeV
JENDL5.0 Threshold 1.3854 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
67
52-Te-123m

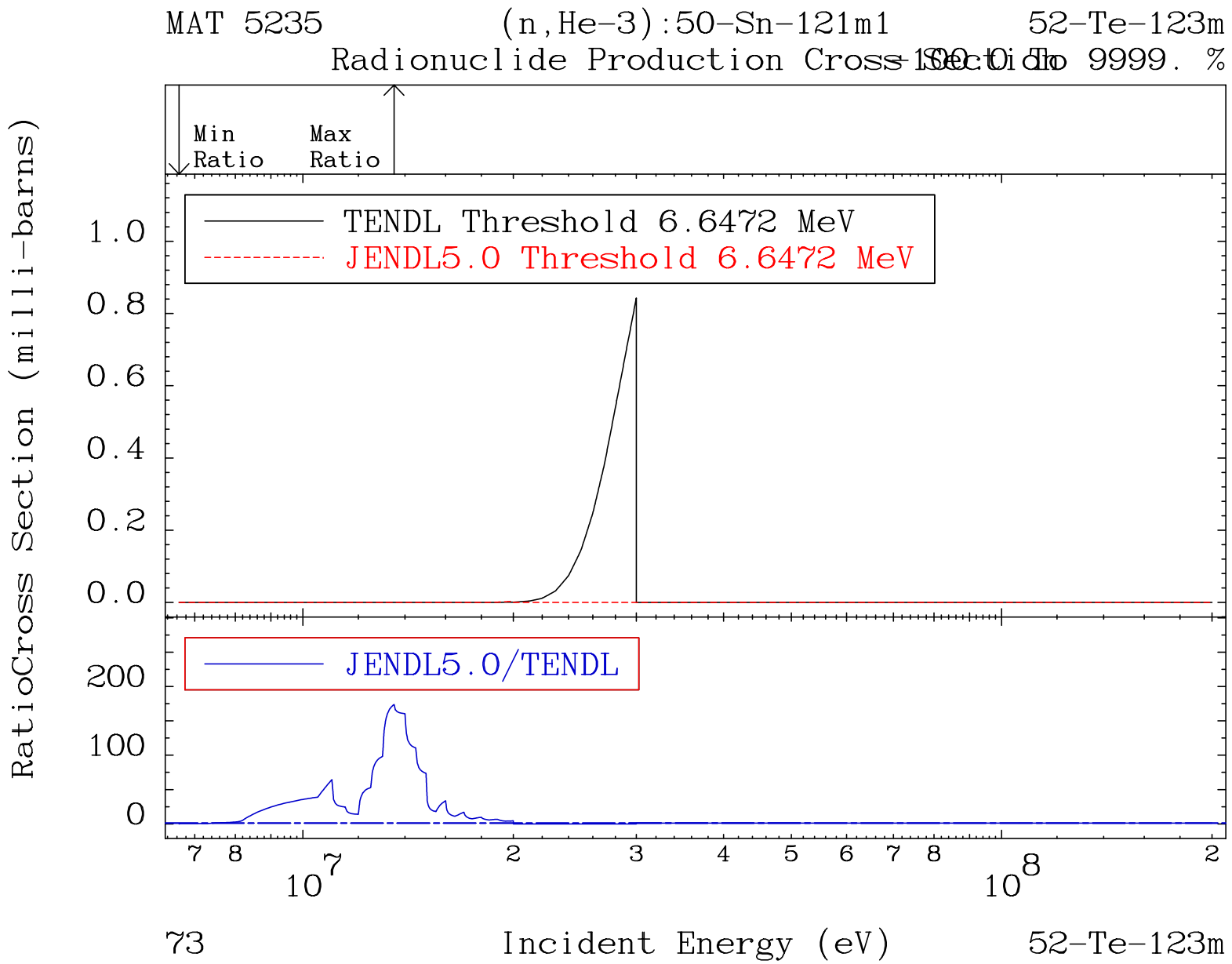

MAT 5235
(n,n') p:51-Sb-122g
52-Te-123m
Radionuclide Production Cross Section To 50.66 %
Max Ratio
Min Ratio
TENDL Threshold 7.9429 MeV
JENDL5.0 Threshold 7.9429 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
68
Incident Energy (eV)
52-Te-123m


MAT 5235
(n,n') p:51-Sb-122m5
52-Te-123m
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 8.1079 MeV
JENDL5.0 Threshold 8.1079 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
69
52-Te-123m


MAT 5235
(n,d):51-Sb-122g
52-Te-123m
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.7001 MeV
JENDL5.0 Threshold 5.7001 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
40
20
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
70
Incident Energy (eV)
52-Te-123m


MAT 5235
(n,d):51-Sb-122m5
52-Te-123m
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 7.0000 MeV
JENDL5.0 Threshold 5.8650 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
71
52-Te-123m


MAT 5235
(n,He-3):50-Sn-121g
52-Te-123m
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.6409 MeV
JENDL5.0 Threshold 6.6409 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
200
100
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
72
Incident Energy (eV)
52-Te-123m


MAT 5235
(n,He-3):50-Sn-121m1
52-Te-123m
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.6472 MeV
JENDL5.0 Threshold 6.6472 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
200
100
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
73
Incident Energy (eV)
52-Te-123m