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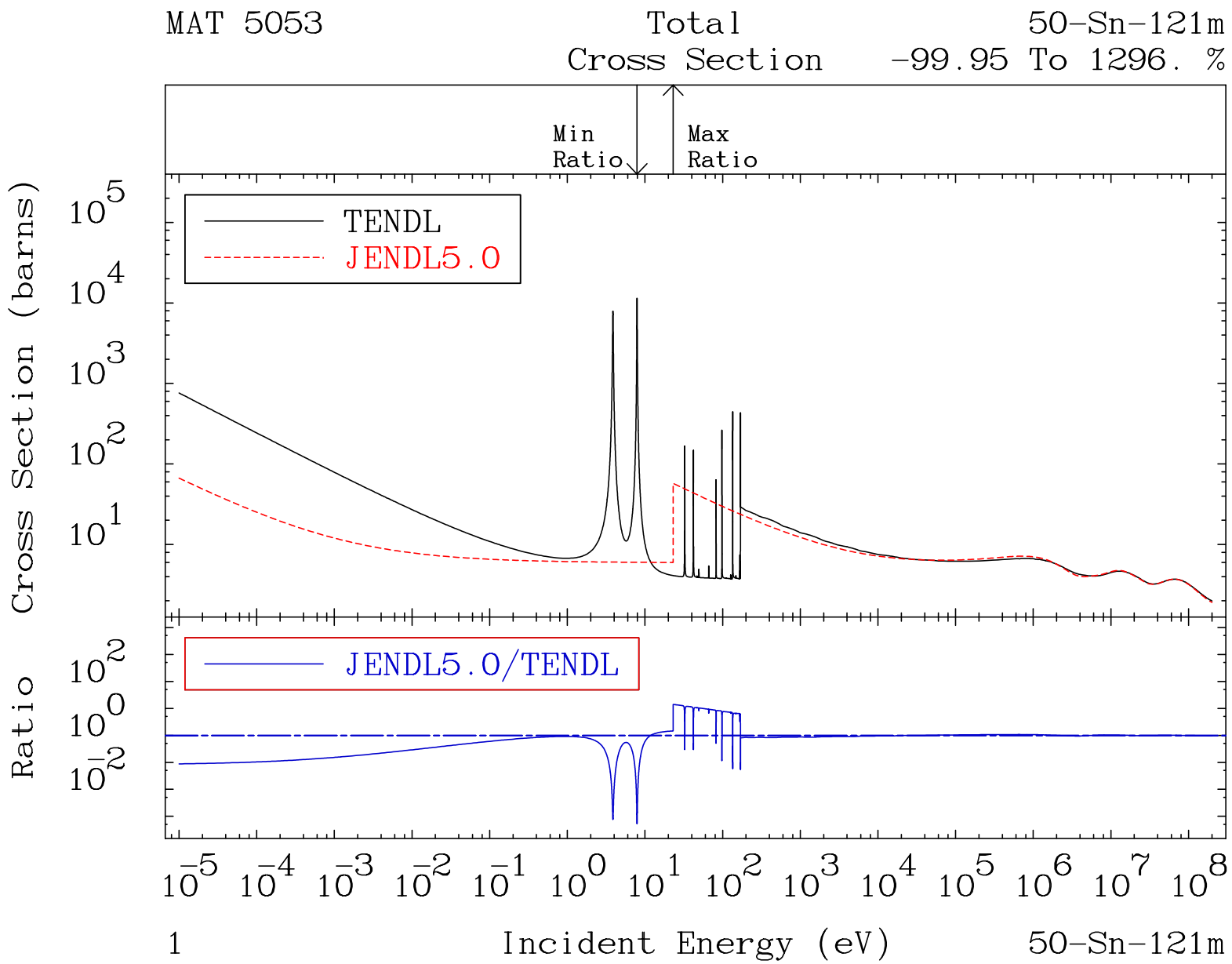
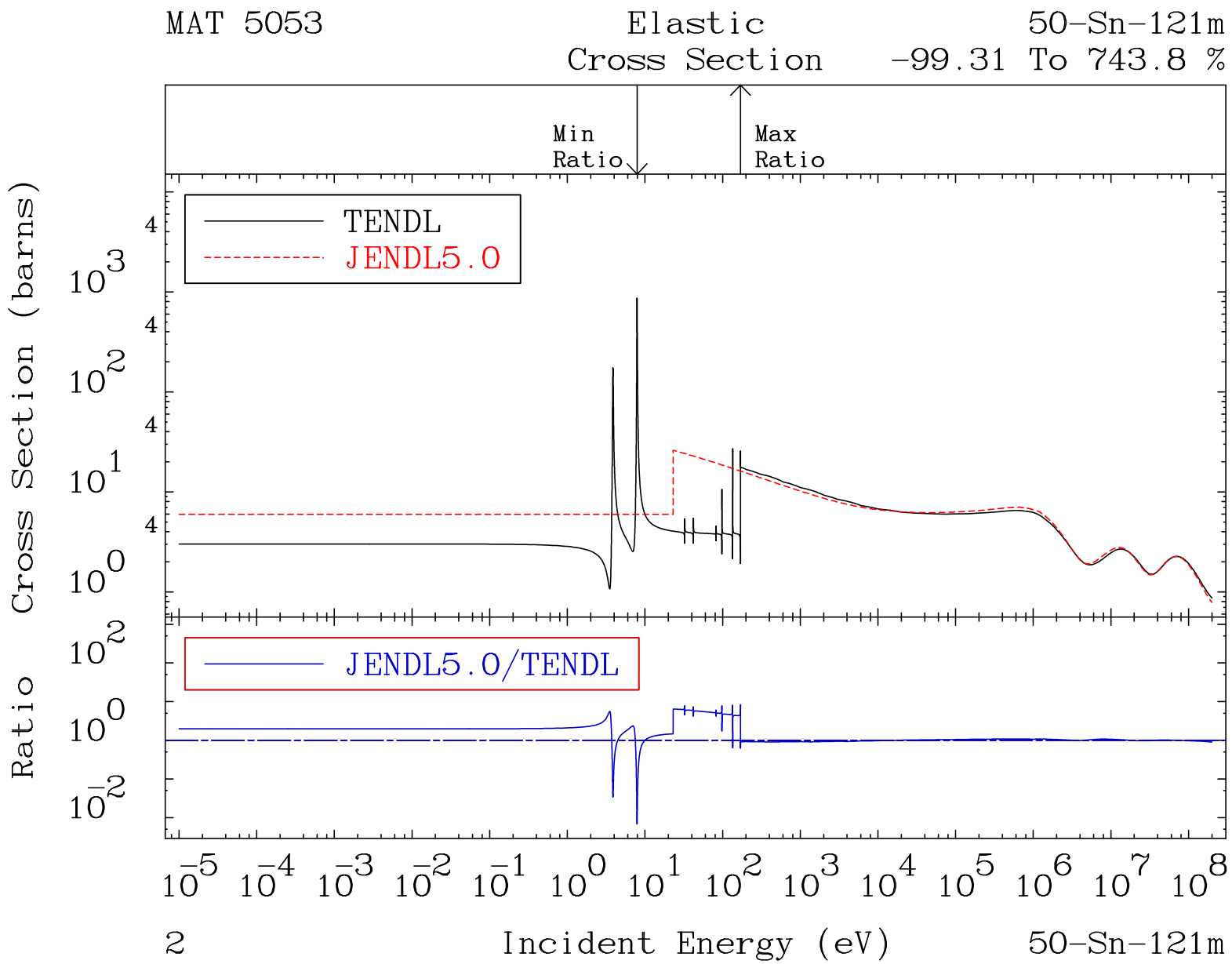
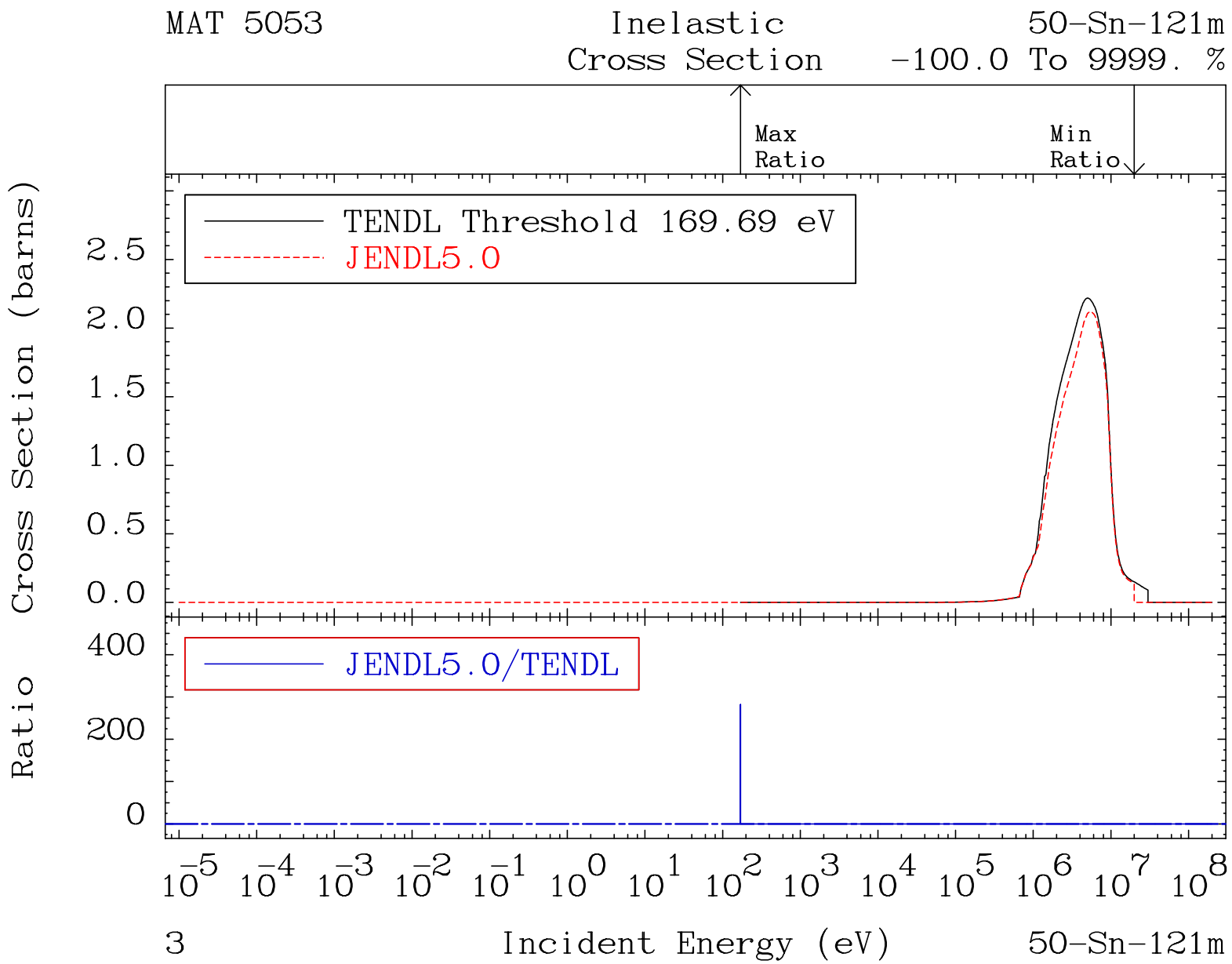
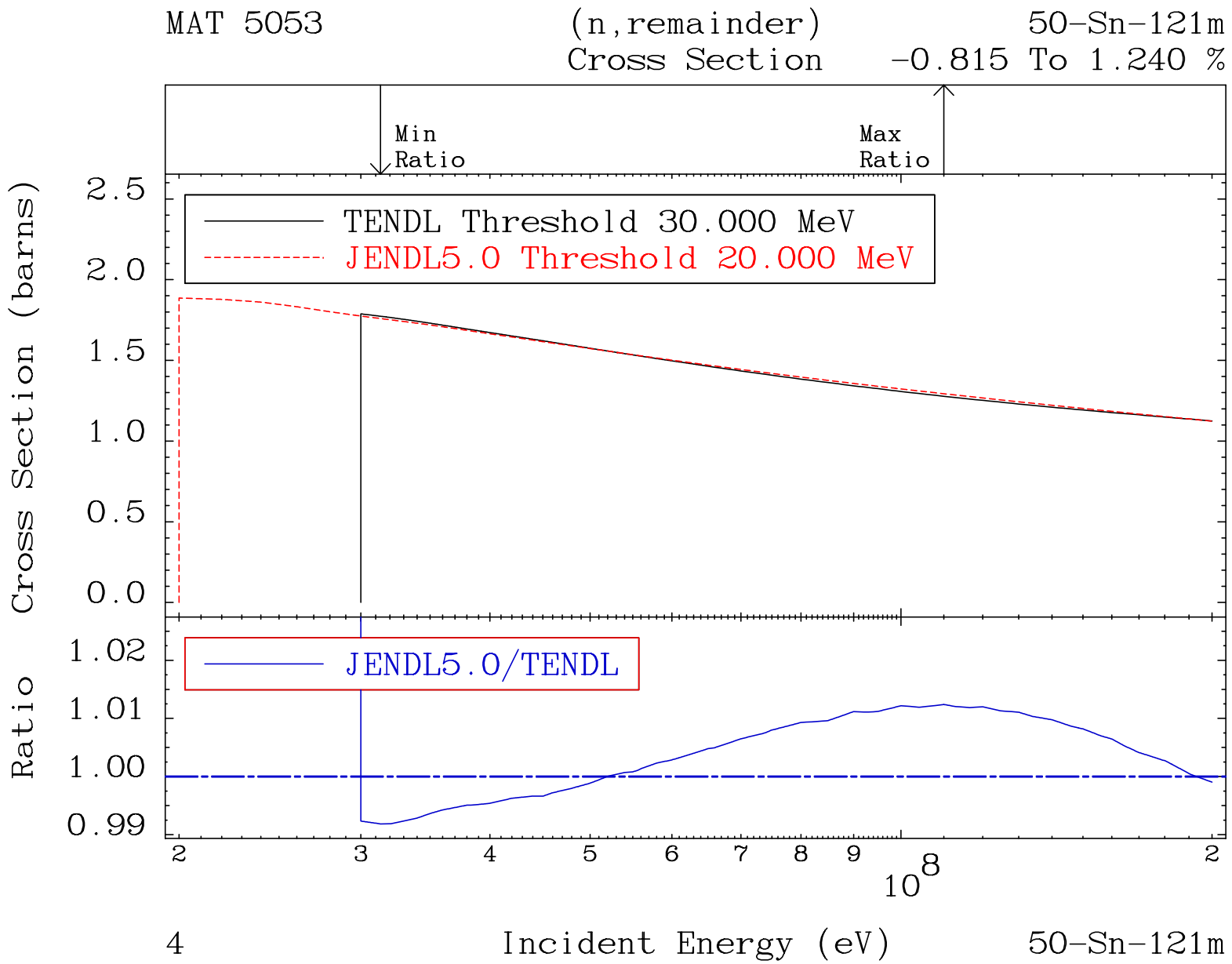
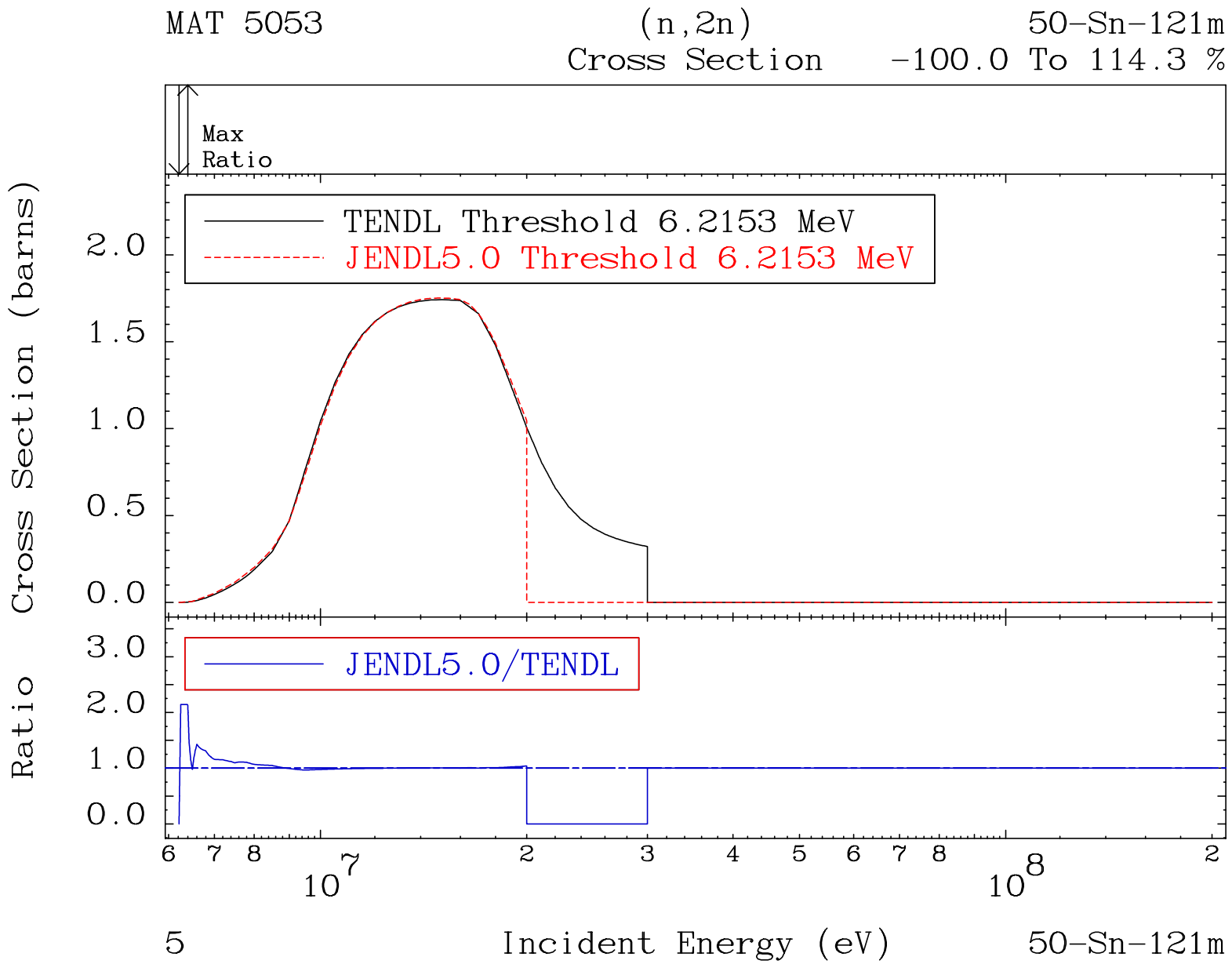
Press Mouse Button to Start

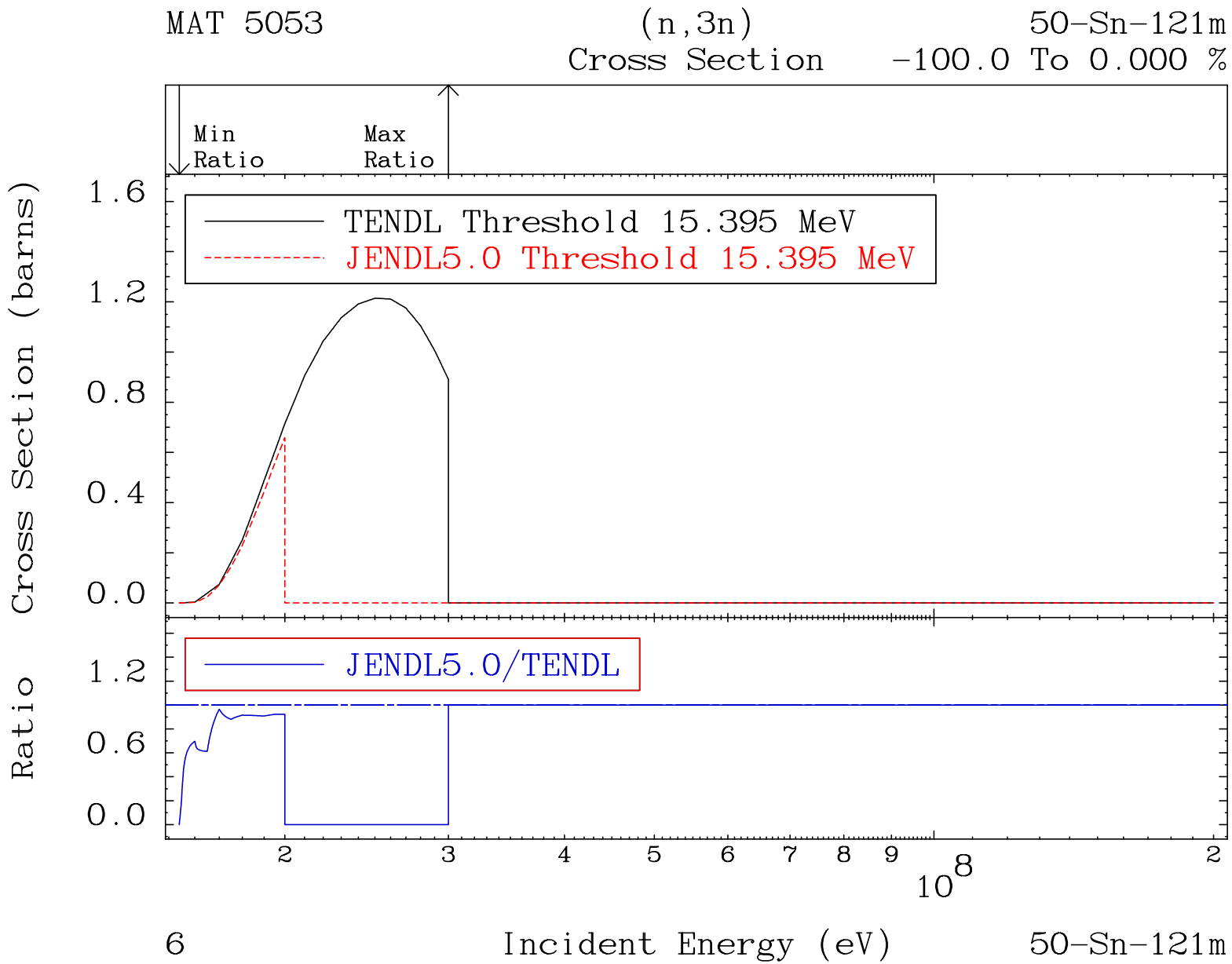

MAT 5053
Total
Cross Section
50-Sn-121m
-99.95 To 1296. %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
50-Sn-121m

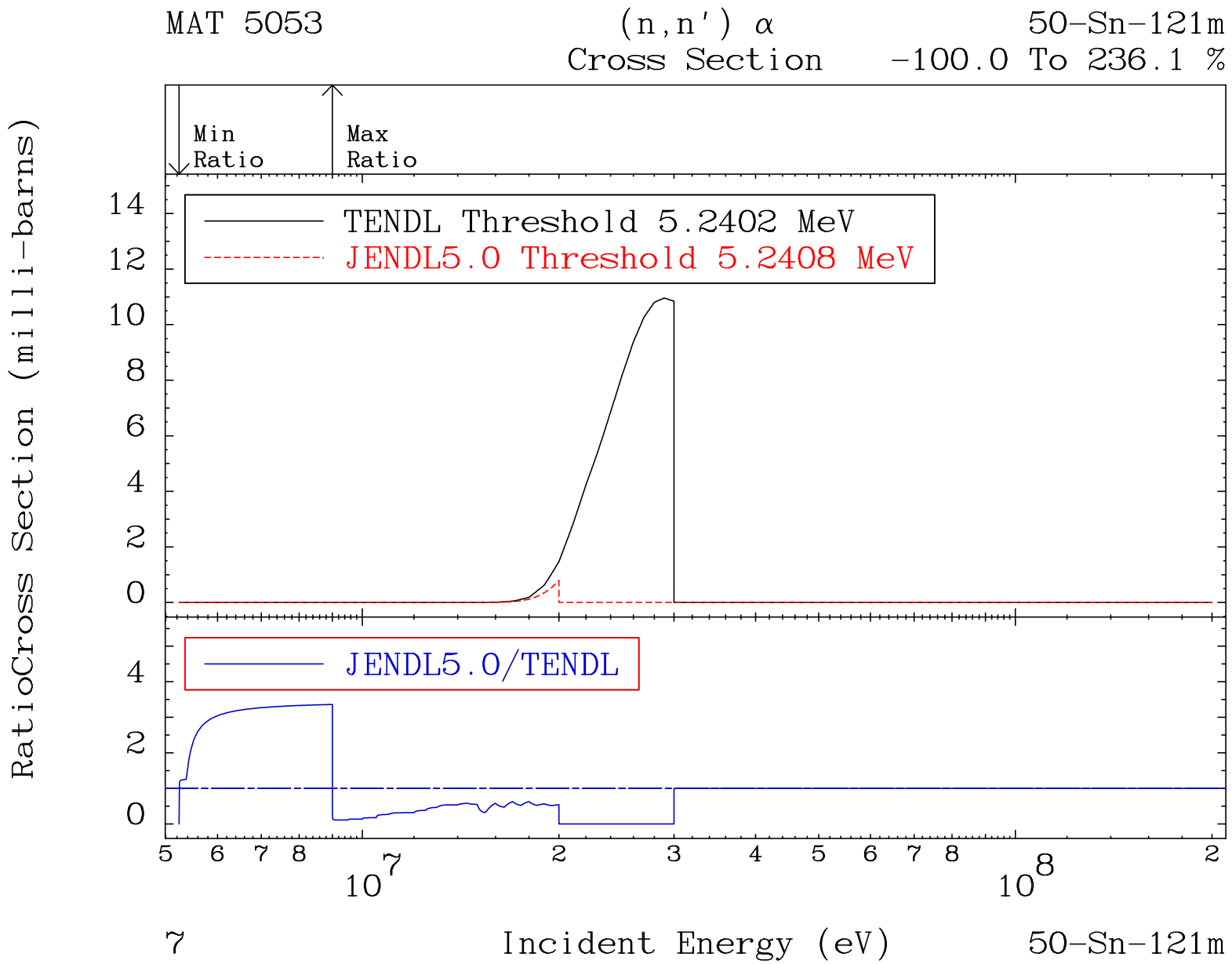

MAT 5053
Elastic
Cross Section
50-Sn-121m
-99.31 To 743.8 %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
50-Sn-121m

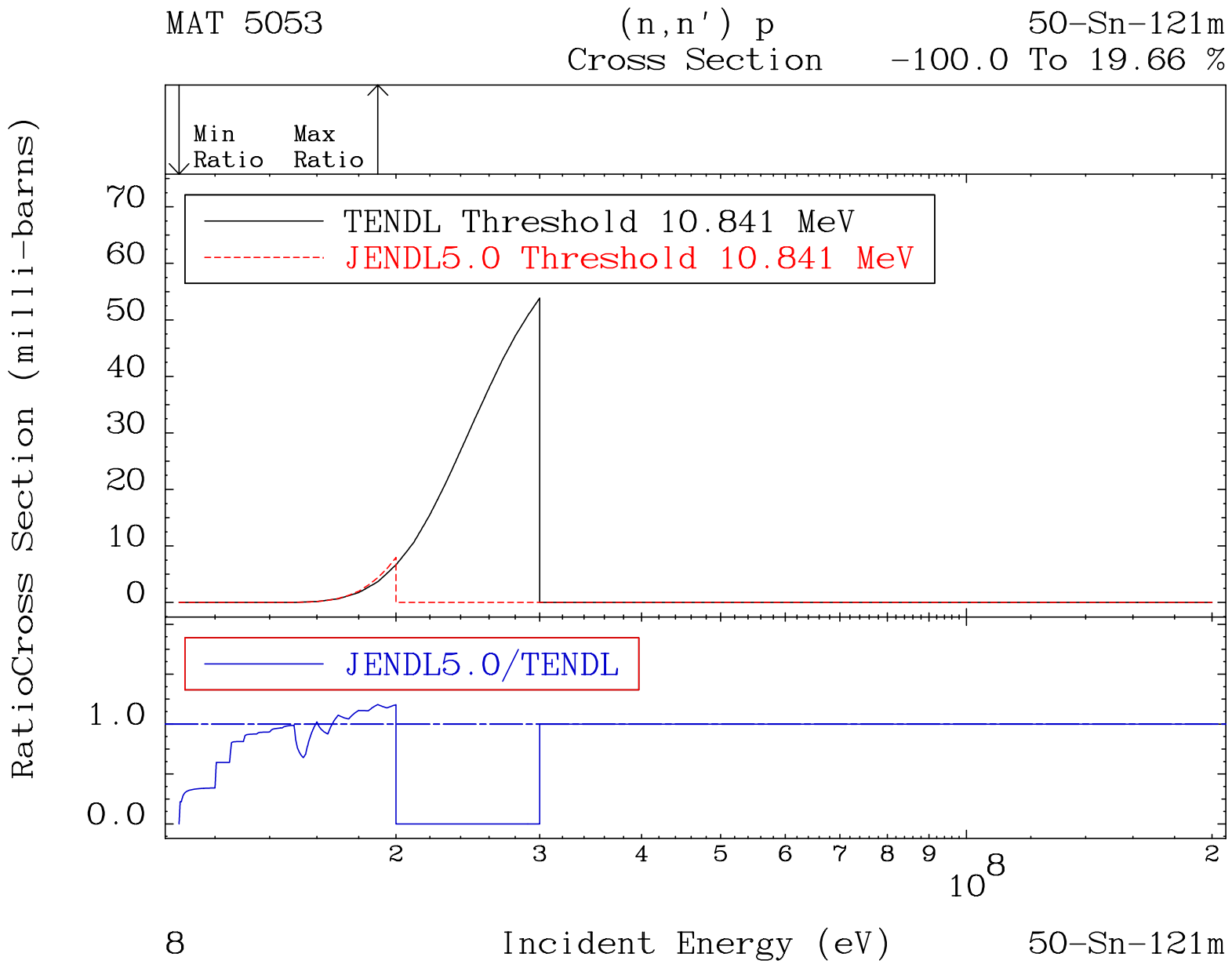

MAT 5053
Inelastic
Cross Section
50-Sn-121m
-100.0 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 169.69 eV
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
400
200
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
3
50-Sn-121m

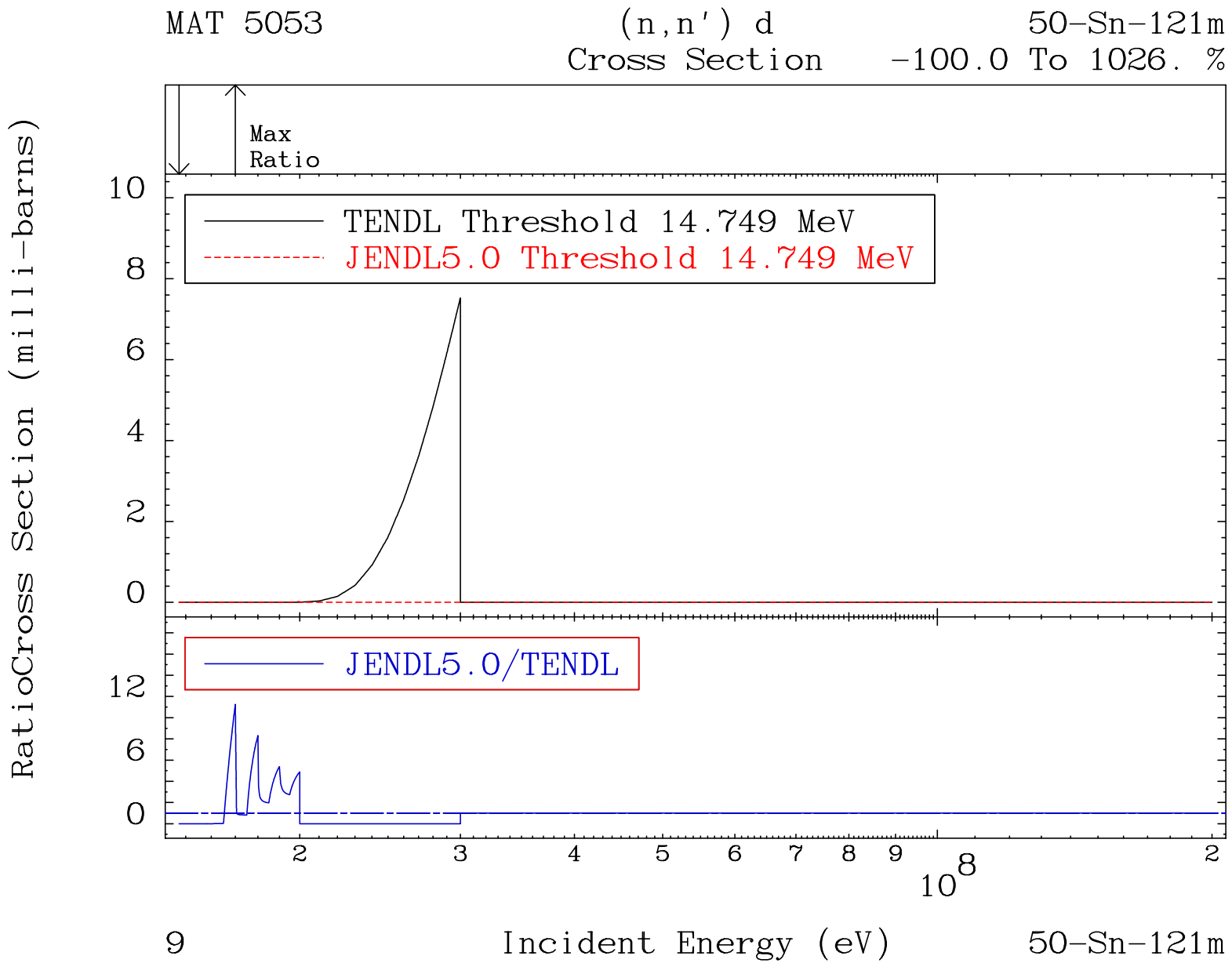

MAT 5053
(n,remainder)
Cross Section
50-Sn-121m
-0.815 To 1.240 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.02
1.01
1.00
0.99
2
3
4
5
6
7
8
9
2
10^8
Incident Energy (eV)
4
50-Sn-121m

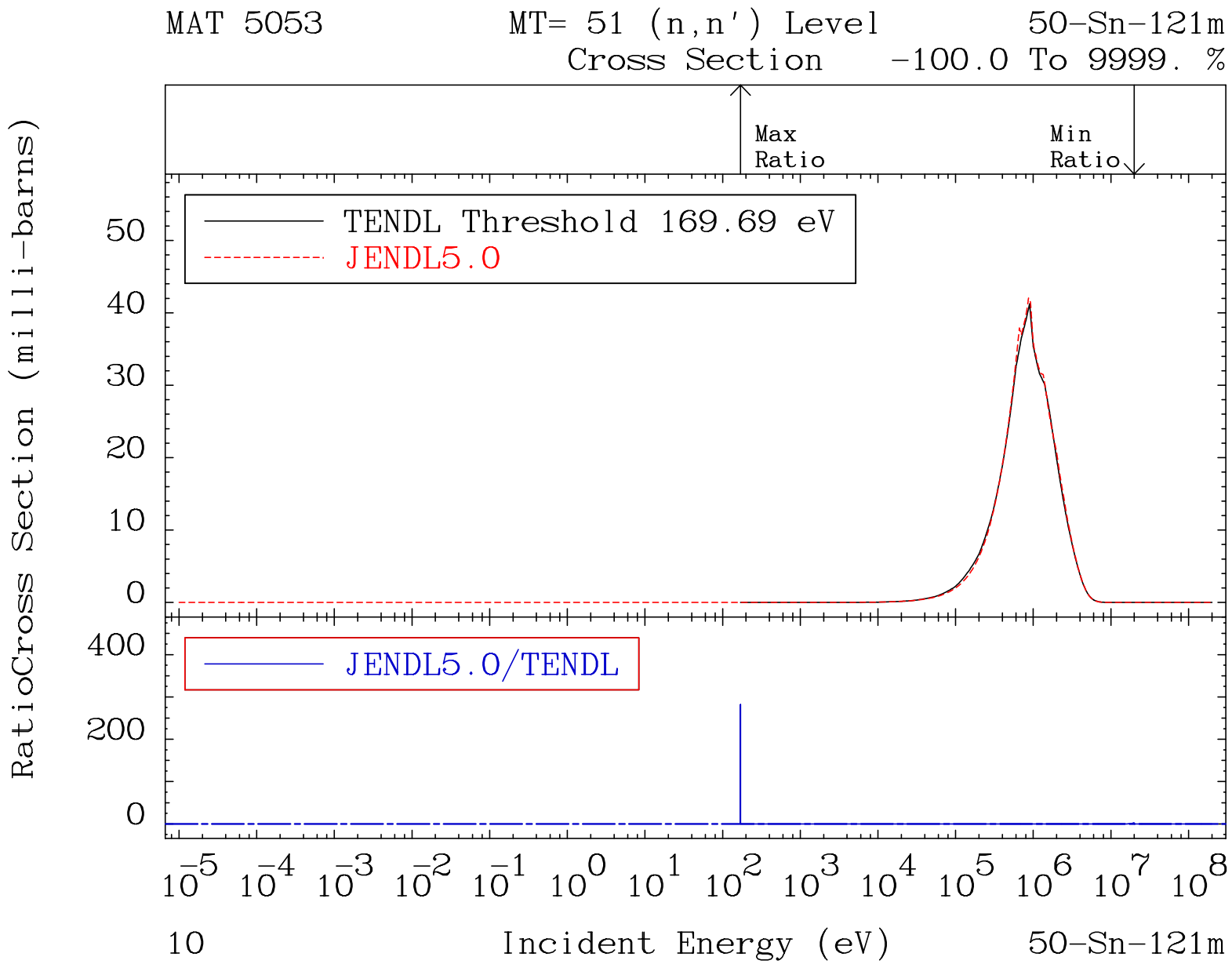

MAT 5053
(n,2n)
Cross Section
50-Sn-121m
-100.0 To 114.3 %
Max
Ratio
TENDL Threshold 6.2153 MeV
JENDL5.0 Threshold 6.2153 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
3.0
2.0
1.0
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
5
Incident Energy (eV)
50-Sn-121m

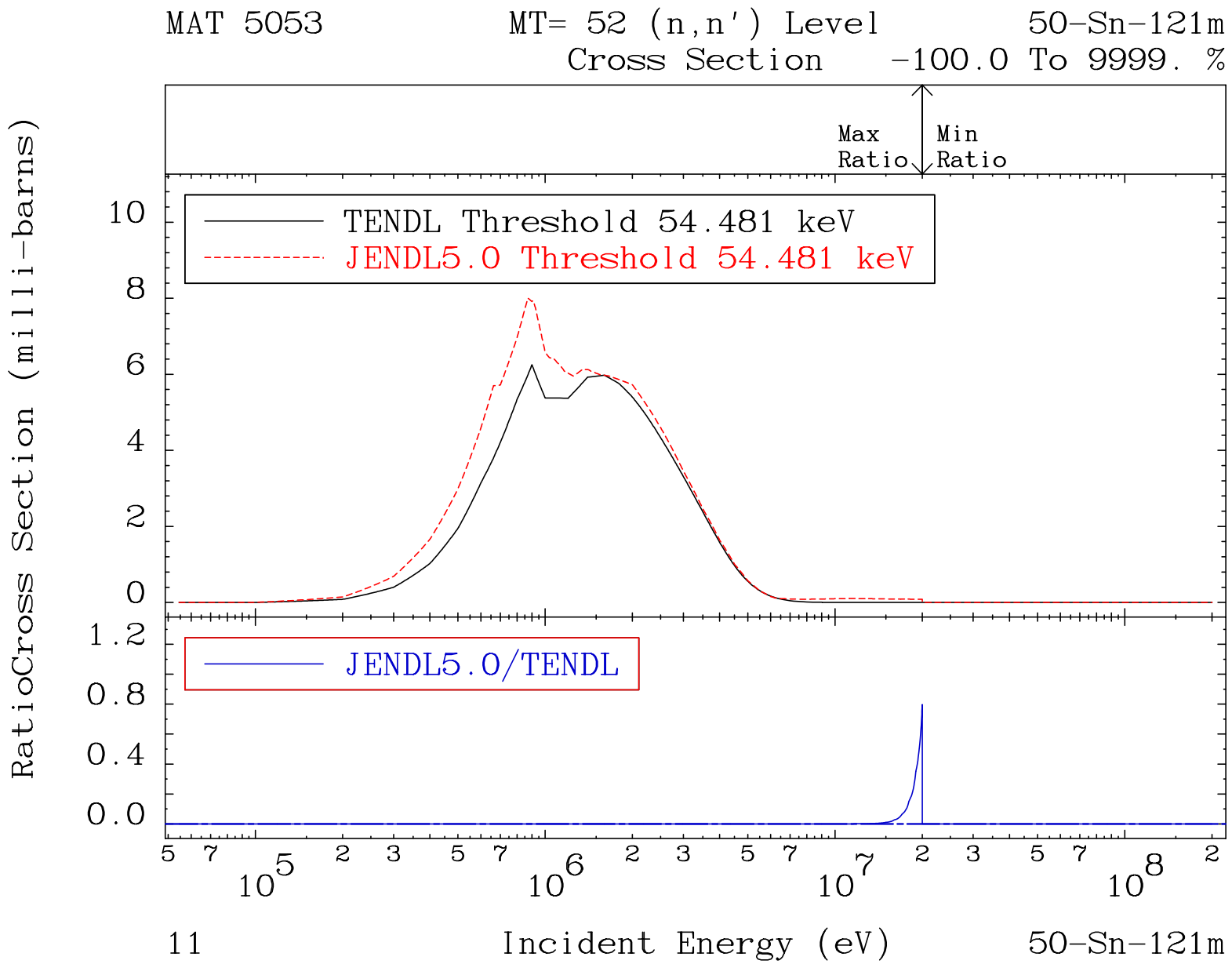

MAT 5053
(n,3n)
Cross Section
50-Sn-121m
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 15.395 MeV
JENDL5.0 Threshold 15.395 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
Incident Energy (eV)
6
50-Sn-121m

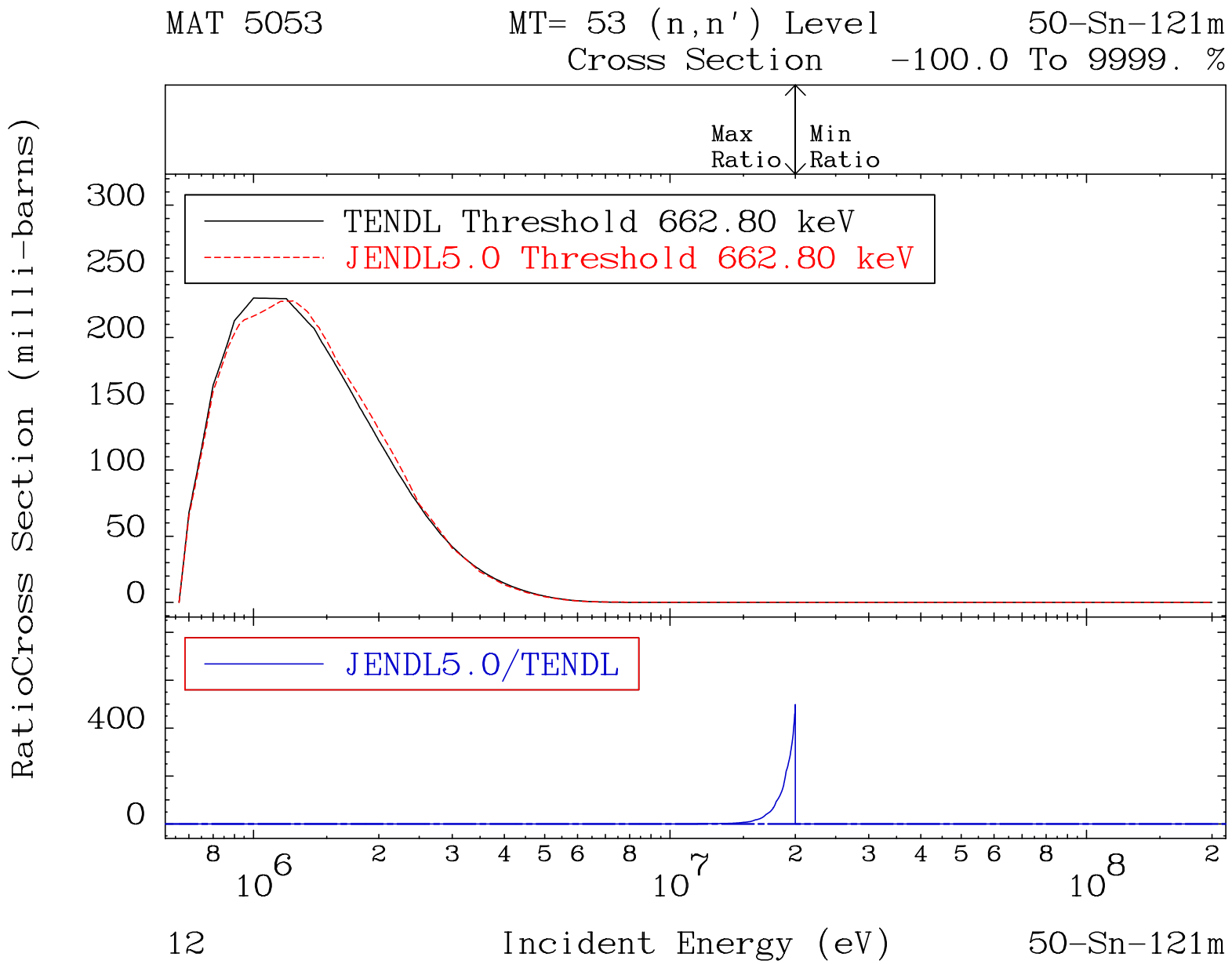

MAT 5053
(n,n') α
Cross Section
50-Sn-121m
-100.0 To 236.1 %
Min Ratio
Max Ratio
TENDL Threshold 5.2402 MeV
JENDL5.0 Threshold 5.2408 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
50-Sn-121m

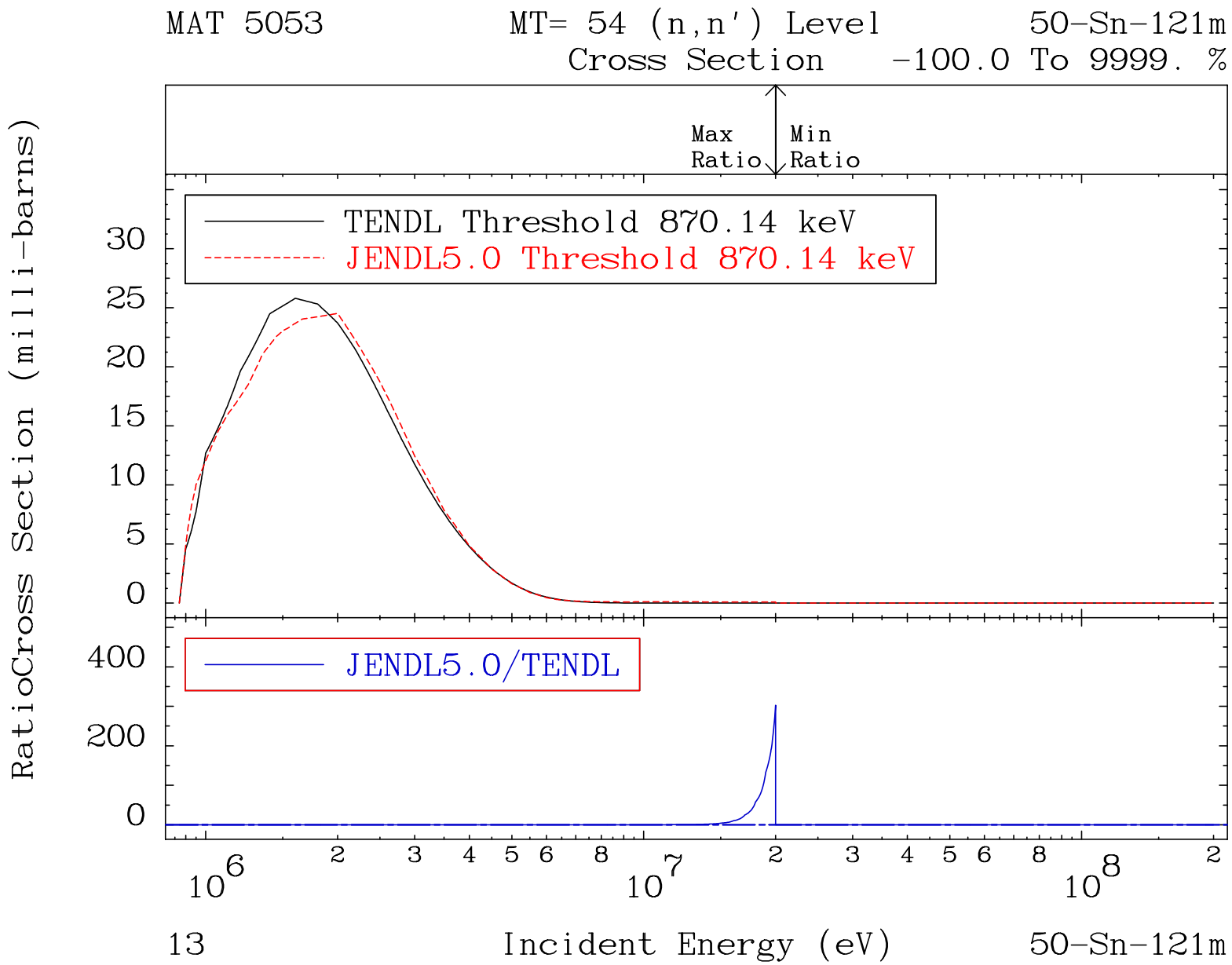

MAT 5053
(n,n') p
Cross Section
50-Sn-121m
-100.0 To 19.66 %
Min Ratio
Max Ratio
TENDL Threshold 10.841 MeV
JENDL5.0 Threshold 10.841 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
50-Sn-121m

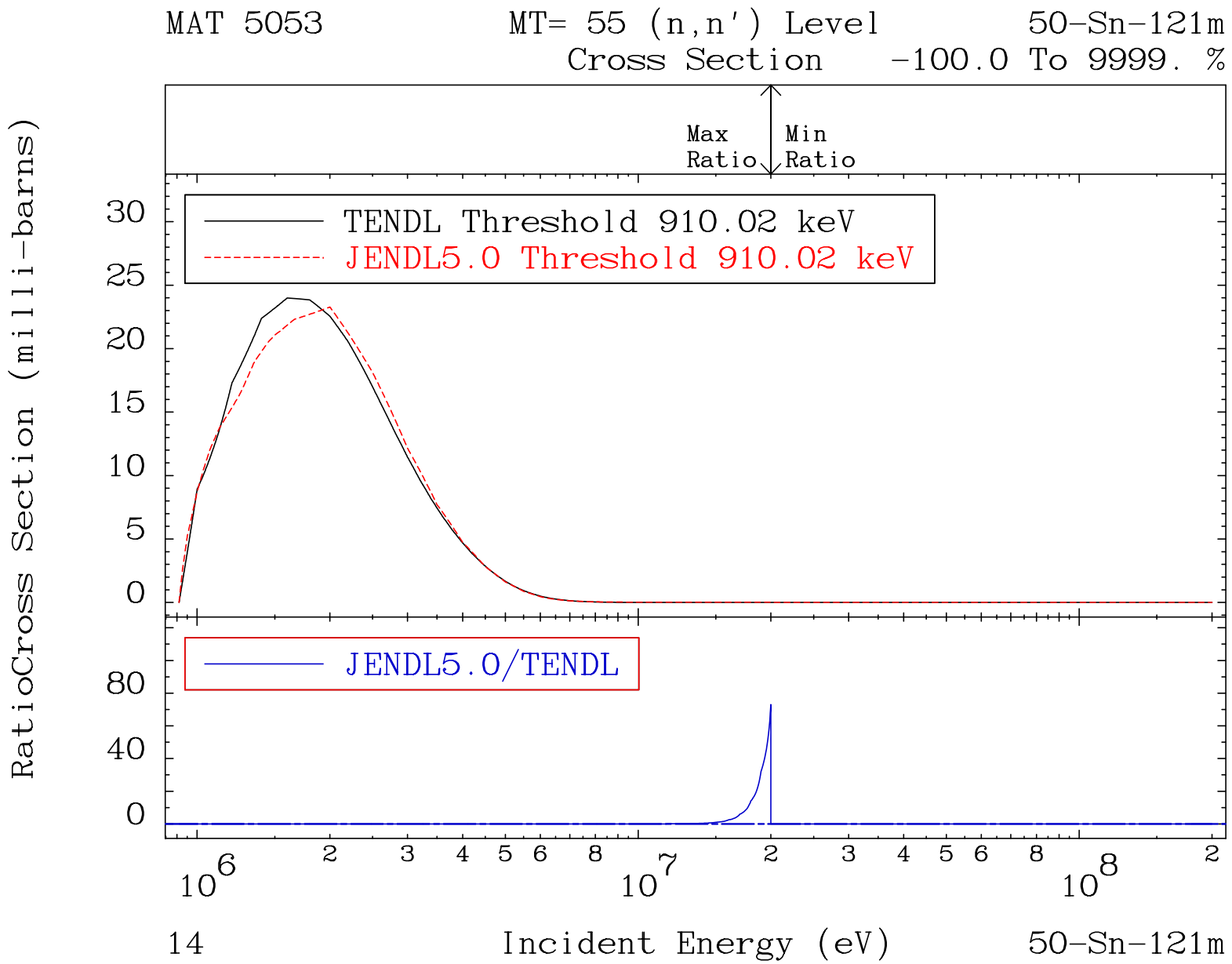

MAT 5053
(n,n') d
Cross Section
50-Sn-121m
-100.0 To 1026. %
Max
Ratio
TENDL Threshold 14.749 MeV
JENDL5.0 Threshold 14.749 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
10
8
6
4
2
0
12
6
0
2
3
4
5
6
7
8
9
2
10^8

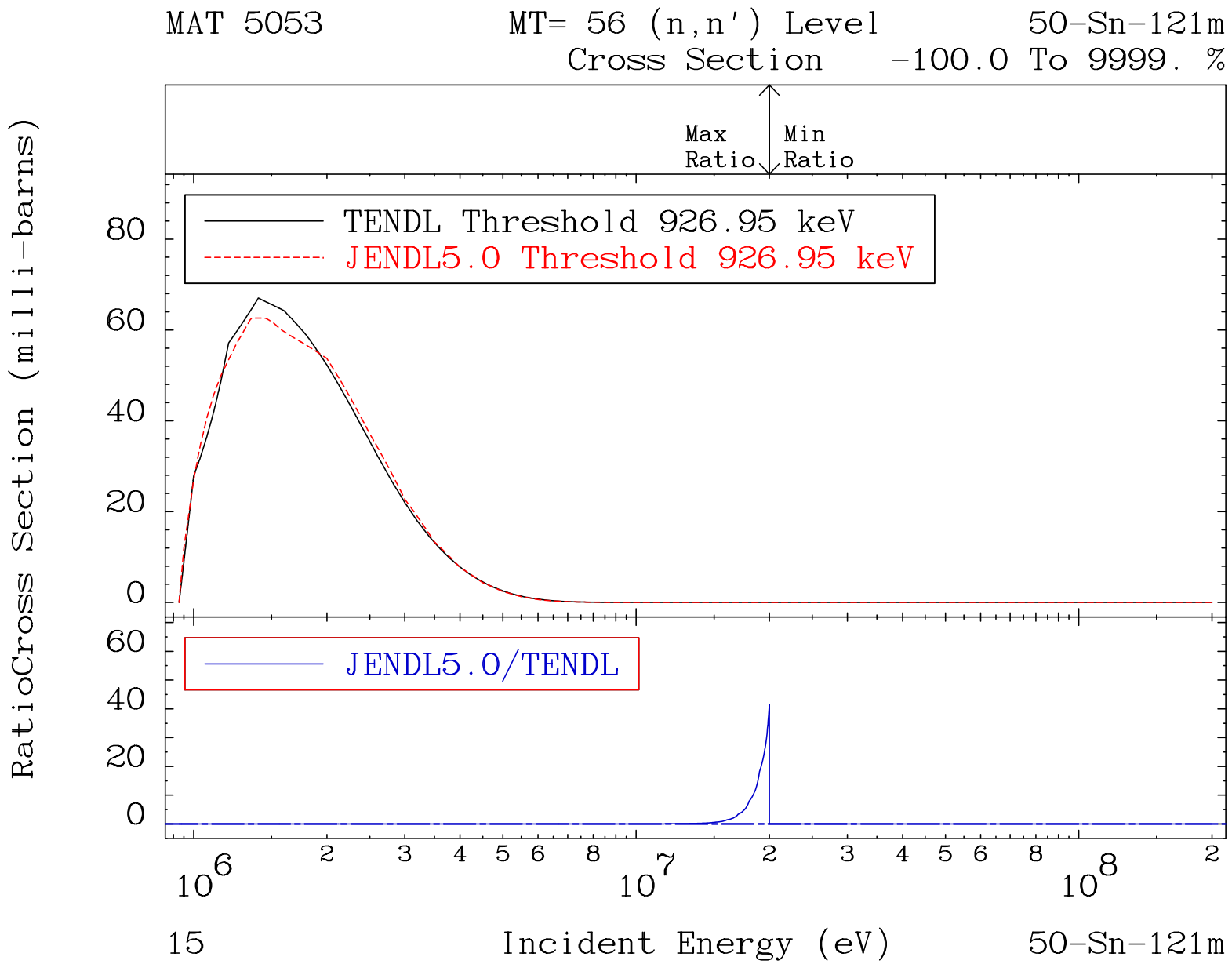

MAT 5053
MT= 51 (n,n') Level
50-Sn-121m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 169.69 eV
JENDL5.0
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
10
50-Sn-121m

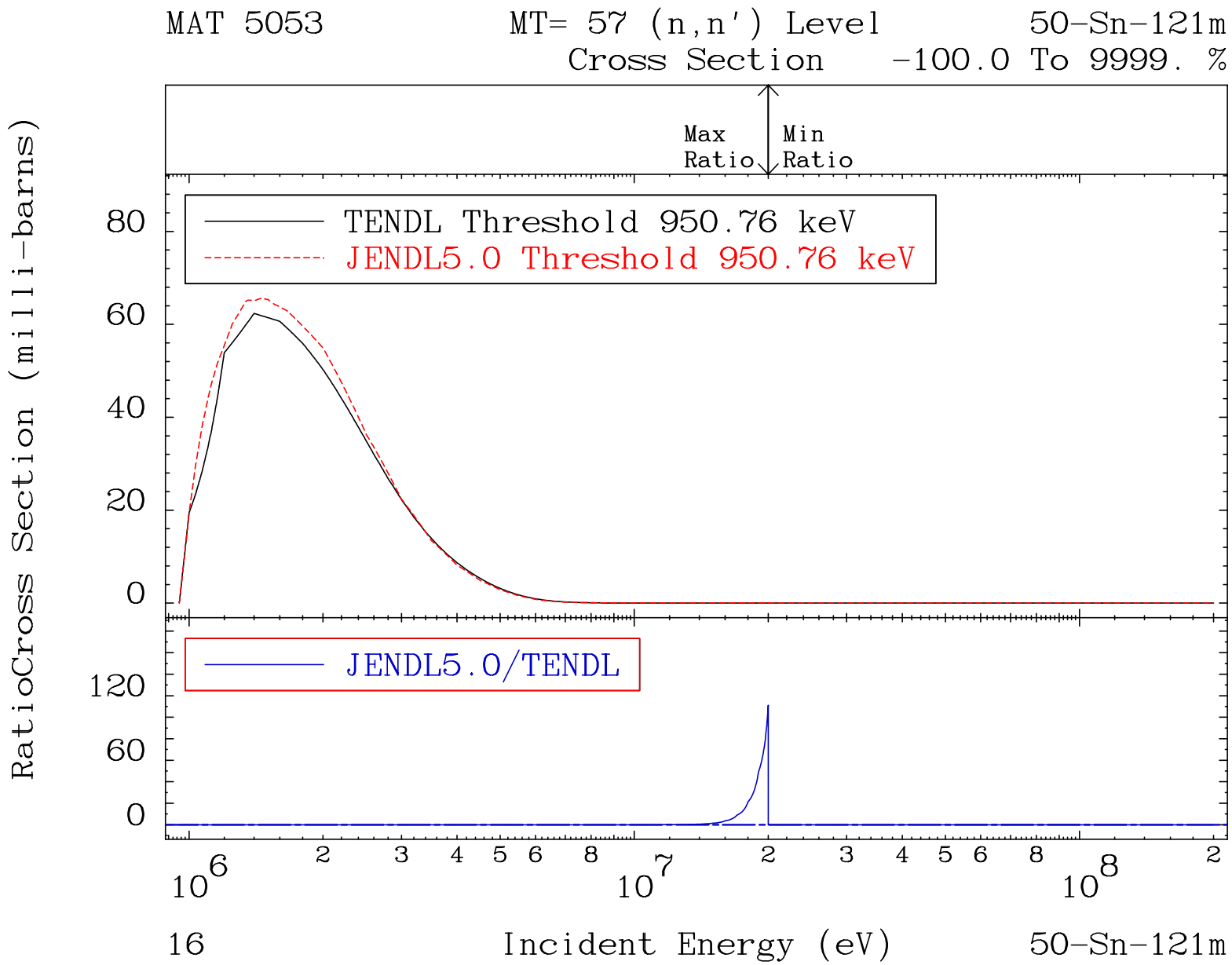

MAT 5053
MT= 52 (n,n') Level
50-Sn-121m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 54.481 keV
JENDL5.0 Threshold 54.481 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
11
50-Sn-121m

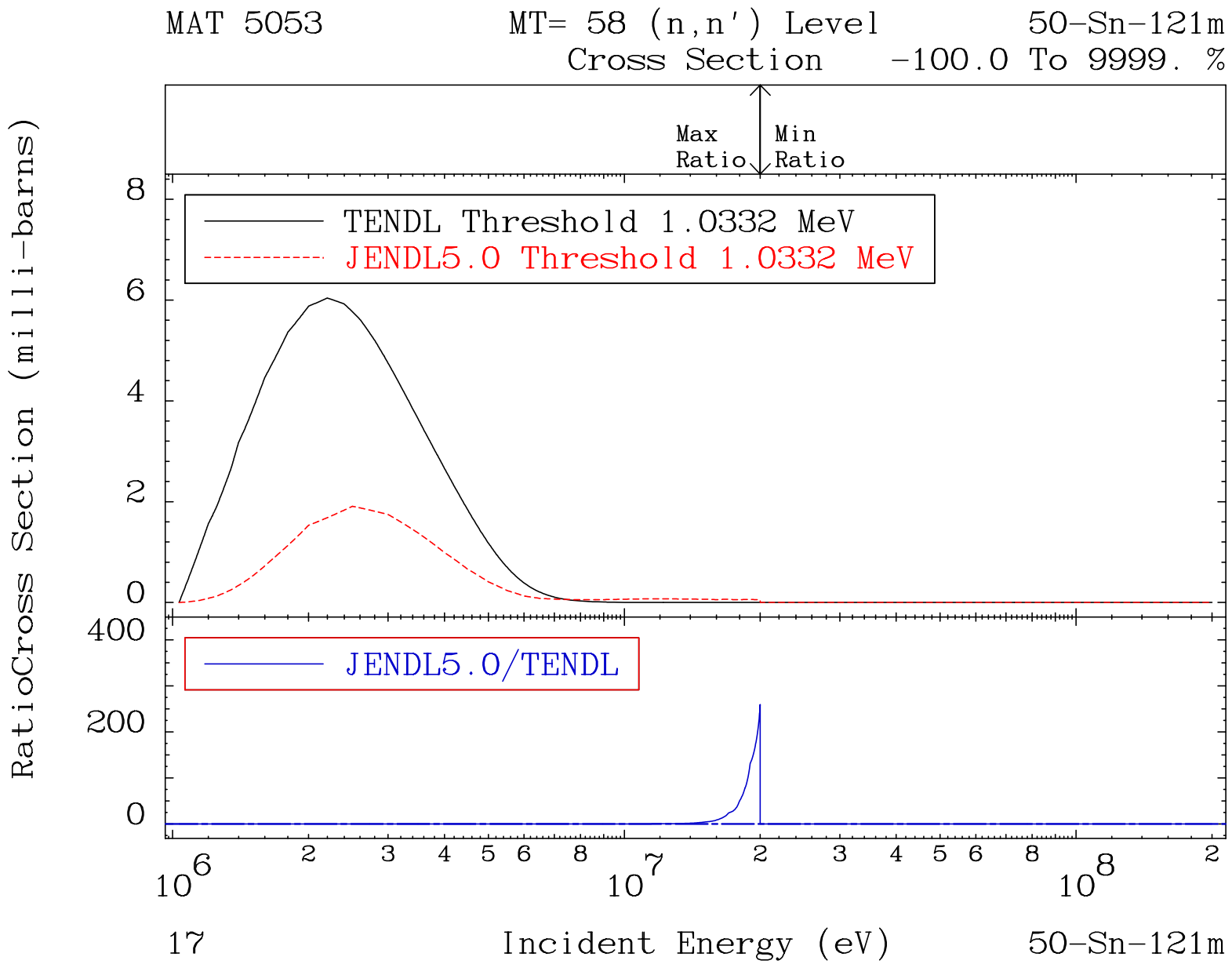

MAT 5053
MT= 53 (n,n') Level
50-Sn-121m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 662.80 keV
JENDL5.0 Threshold 662.80 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
400
0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
12
Incident Energy (eV)
50-Sn-121m

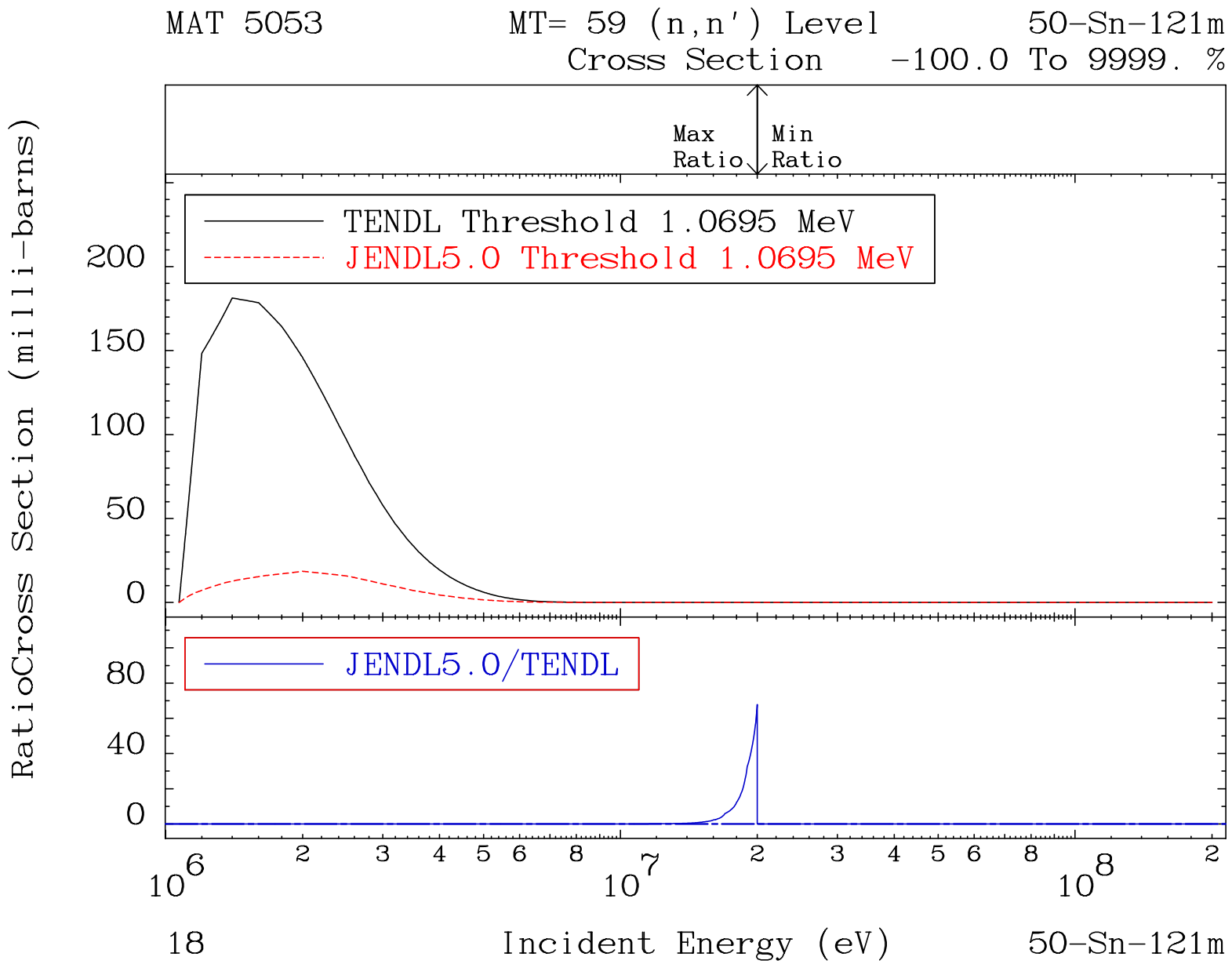

MAT 5053
MT= 54 (n,n') Level
50-Sn-121m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 870.14 keV
JENDL5.0 Threshold 870.14 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
400
200
0
10^6
10^7
10^8
2
3
4
5
6
8
13
Incident Energy (eV)
50-Sn-121m

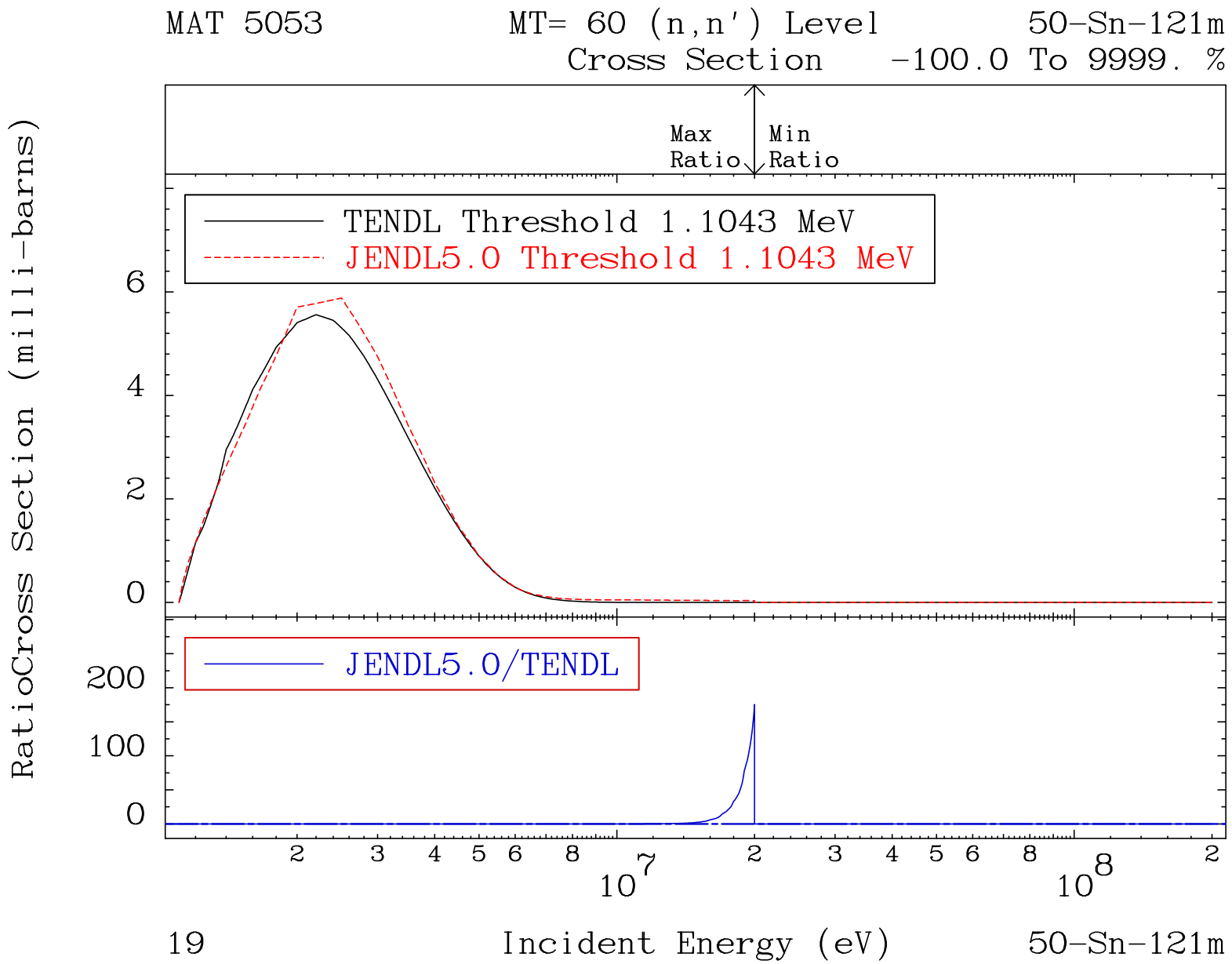

MAT 5053
MT= 55 (n,n') Level
50-Sn-121m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 910.02 keV
JENDL5.0 Threshold 910.02 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
80
40
0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
14
Incident Energy (eV)
50-Sn-121m

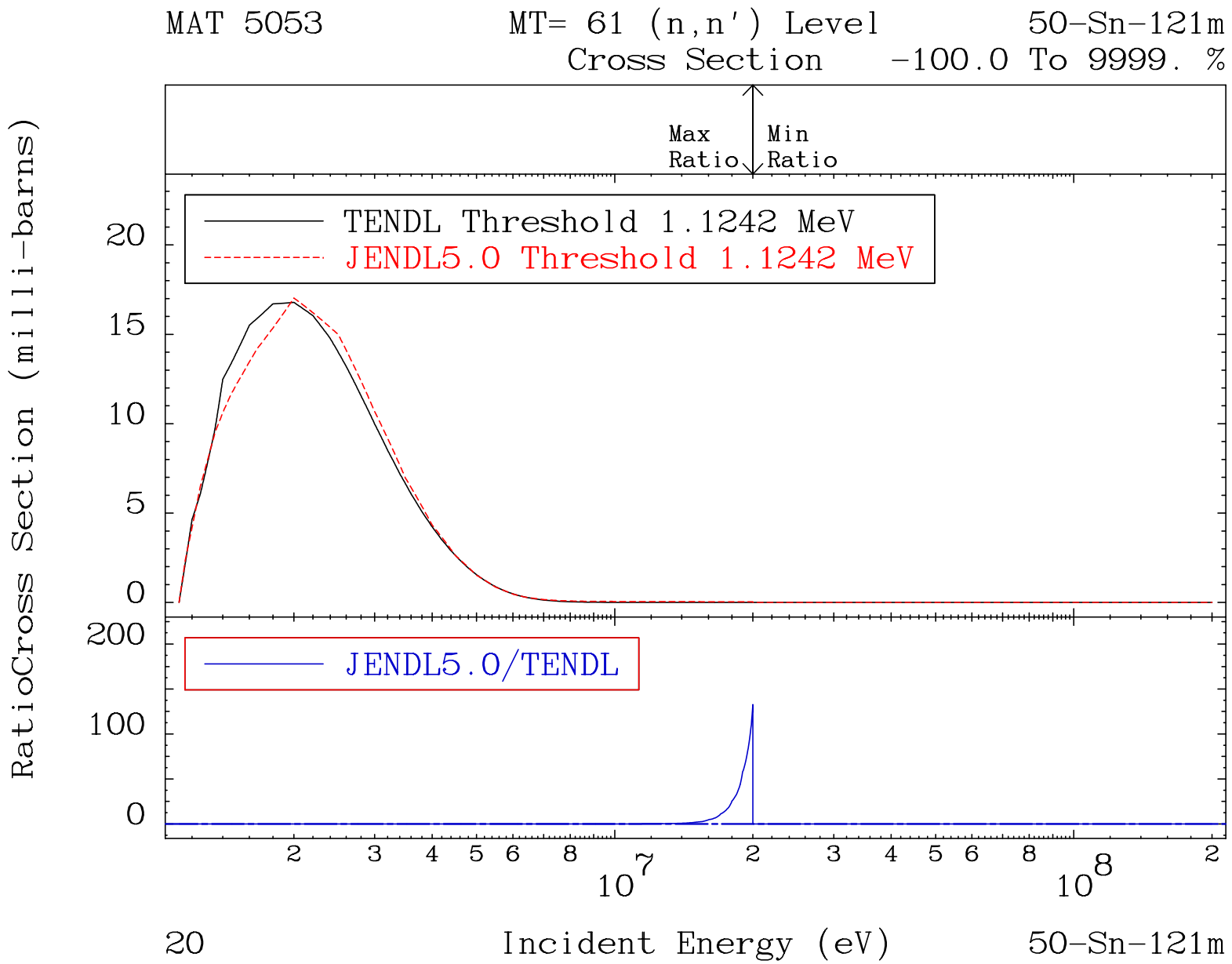

MAT 5053
MT= 56 (n,n') Level
50-Sn-121m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 926.95 keV
JENDL5.0 Threshold 926.95 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
60
40
20
0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
15
Incident Energy (eV)
50-Sn-121m

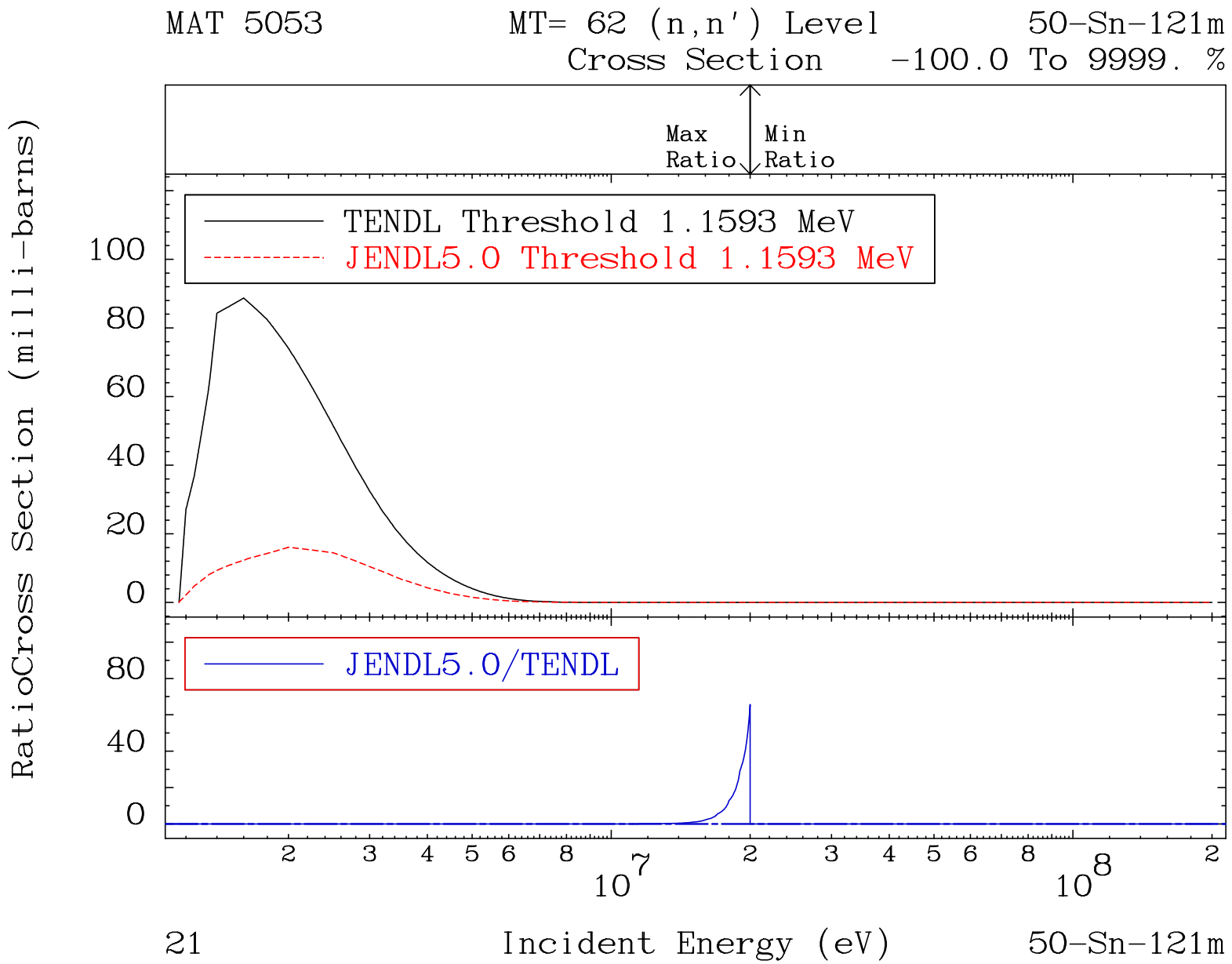

MAT 5053
MT= 57 (n,n') Level
50-Sn-121m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 950.76 keV
JENDL5.0 Threshold 950.76 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
120
60
0
10^6
2 3 4 5 6 8
10^7
2 3 4 5 6 8
10^8
2
16
Incident Energy (eV)
50-Sn-121m

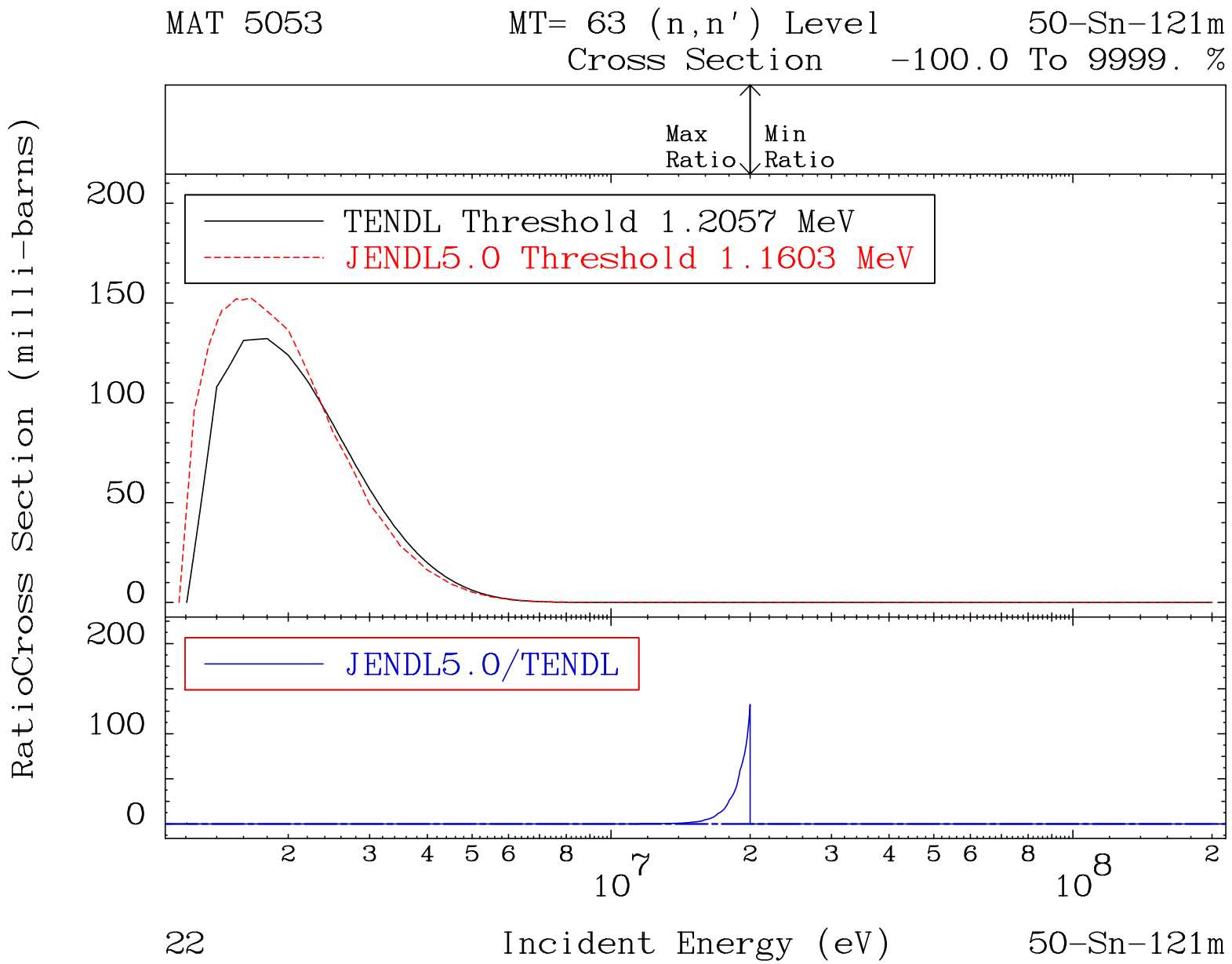

MAT 5053
MT= 58 (n,n') Level
50-Sn-121m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.0332 MeV
JENDL5.0 Threshold 1.0332 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17
50-Sn-121m

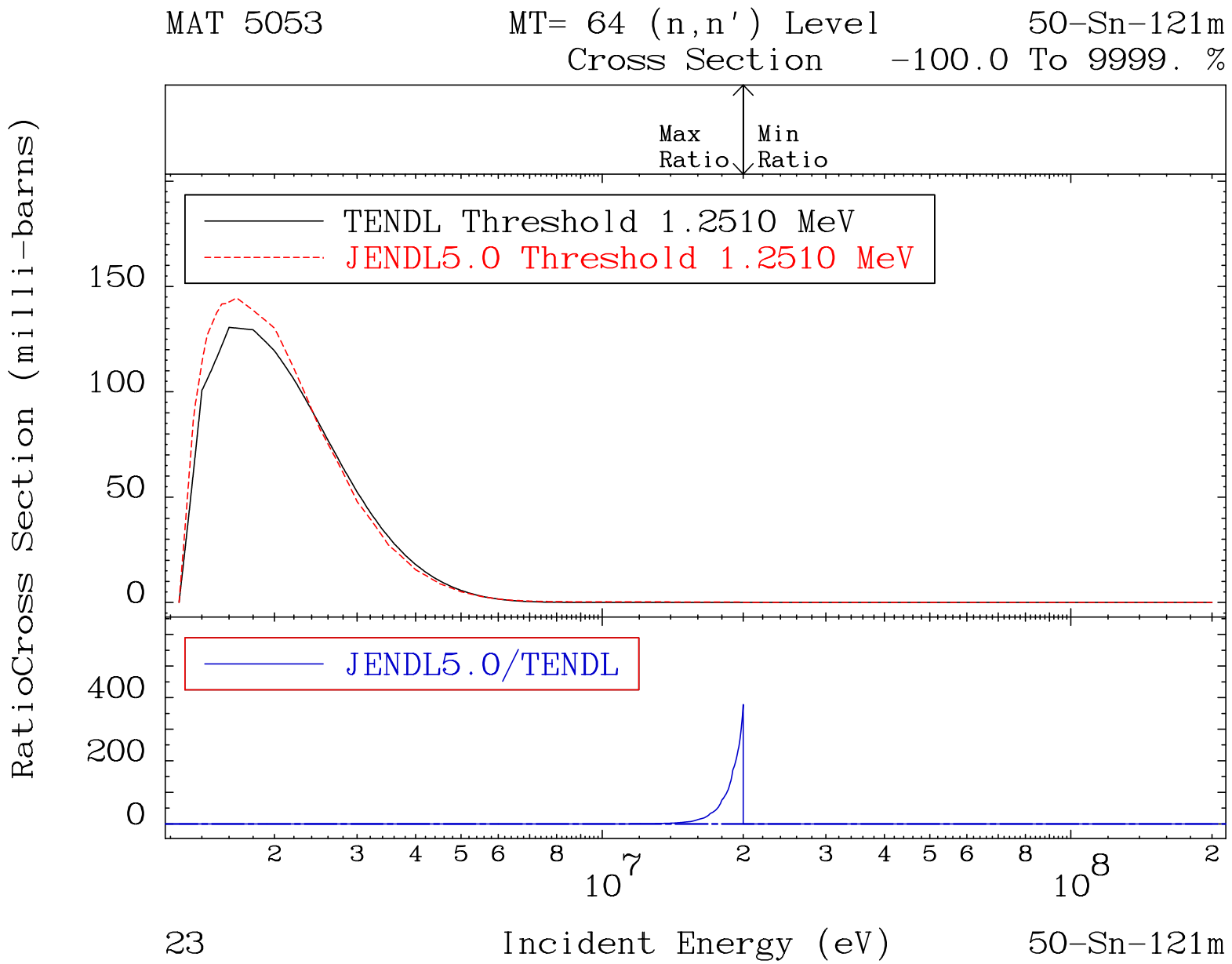

MAT 5053
MT= 59 (n,n') Level
50-Sn-121m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.0695 MeV
JENDL5.0 Threshold 1.0695 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
80
40
0
10^6
2 3 4 5 6 8
10^7
2 3 4 5 6 8
10^8
2
18
Incident Energy (eV)
50-Sn-121m

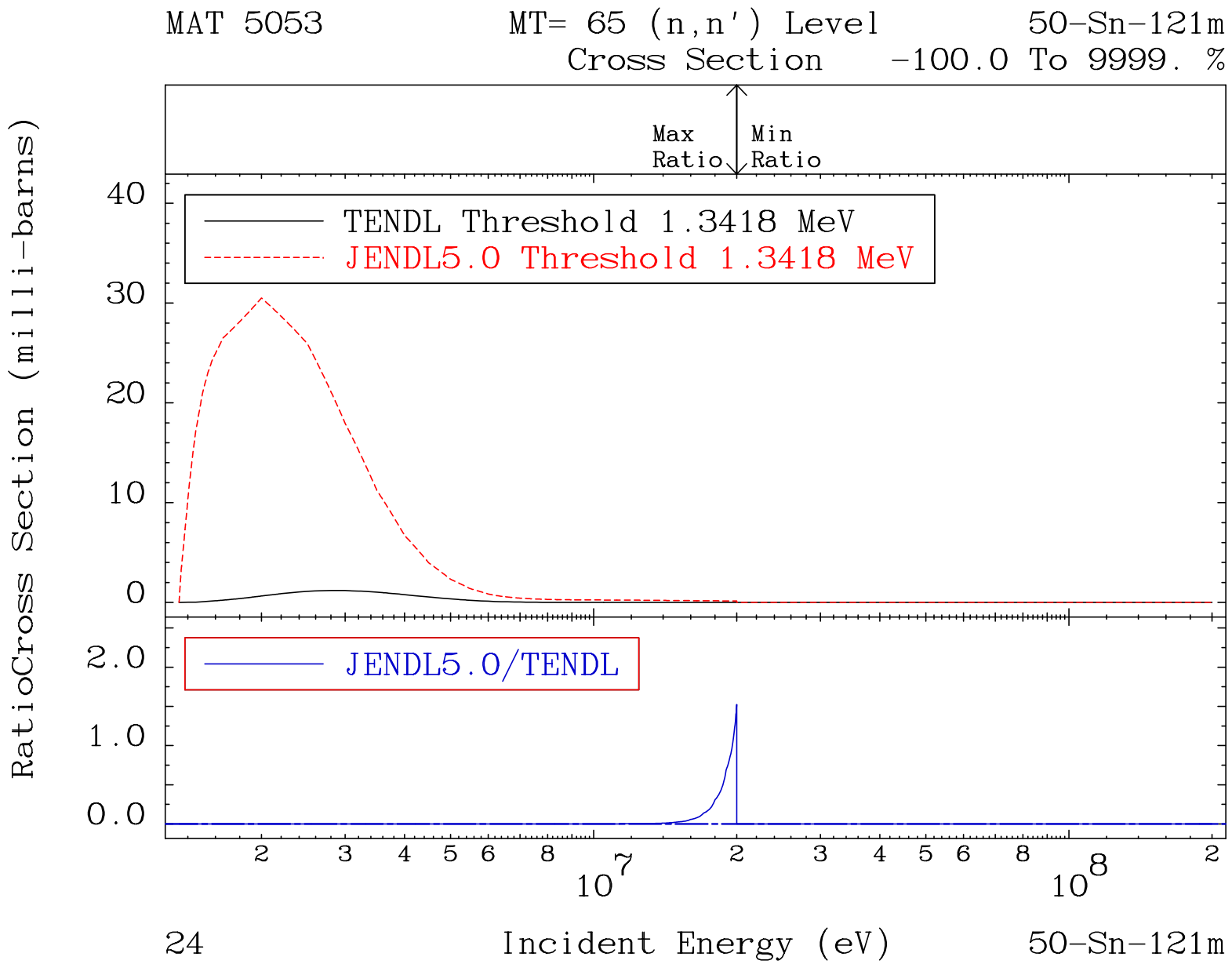

MAT 5053
MT= 60 (n,n') Level
50-Sn-121m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1043 MeV
JENDL5.0 Threshold 1.1043 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
50-Sn-121m

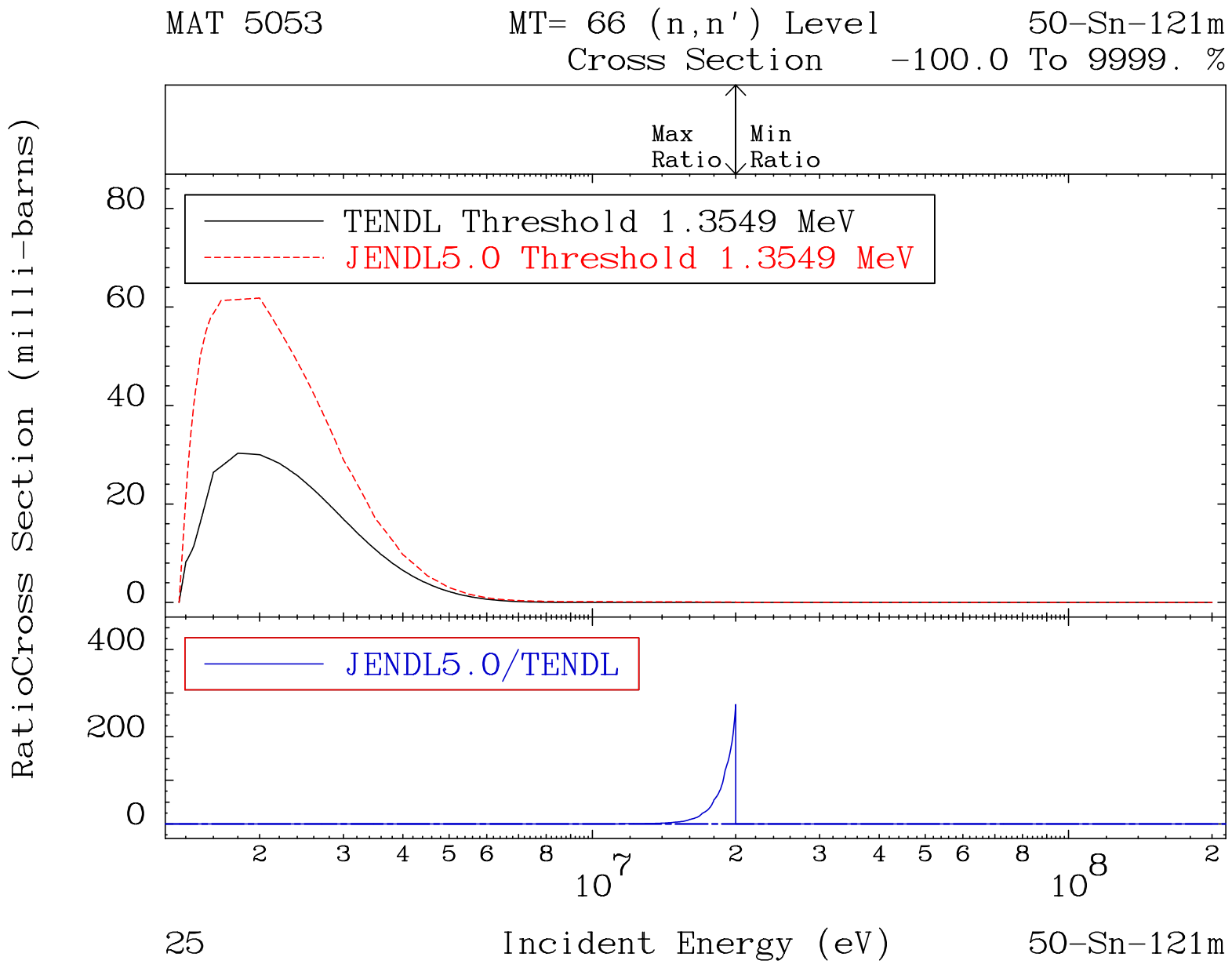

MAT 5053
MT= 61 (n,n') Level
50-Sn-121m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1242 MeV
JENDL5.0 Threshold 1.1242 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
20
Incident Energy (eV)
50-Sn-121m

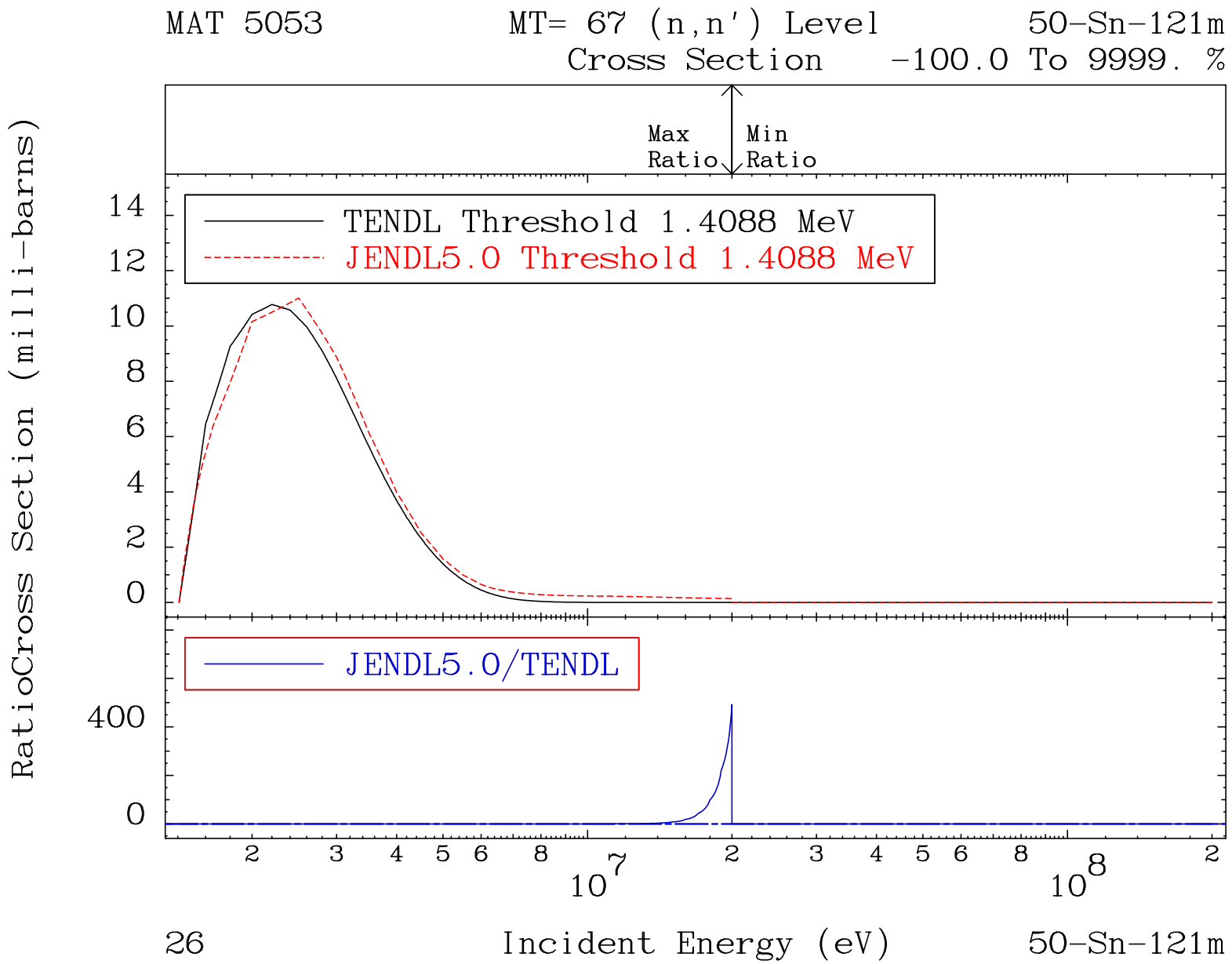

MAT 5053
MT= 62 (n,n') Level
50-Sn-121m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1593 MeV
JENDL5.0 Threshold 1.1593 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
80
40
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
50-Sn-121m

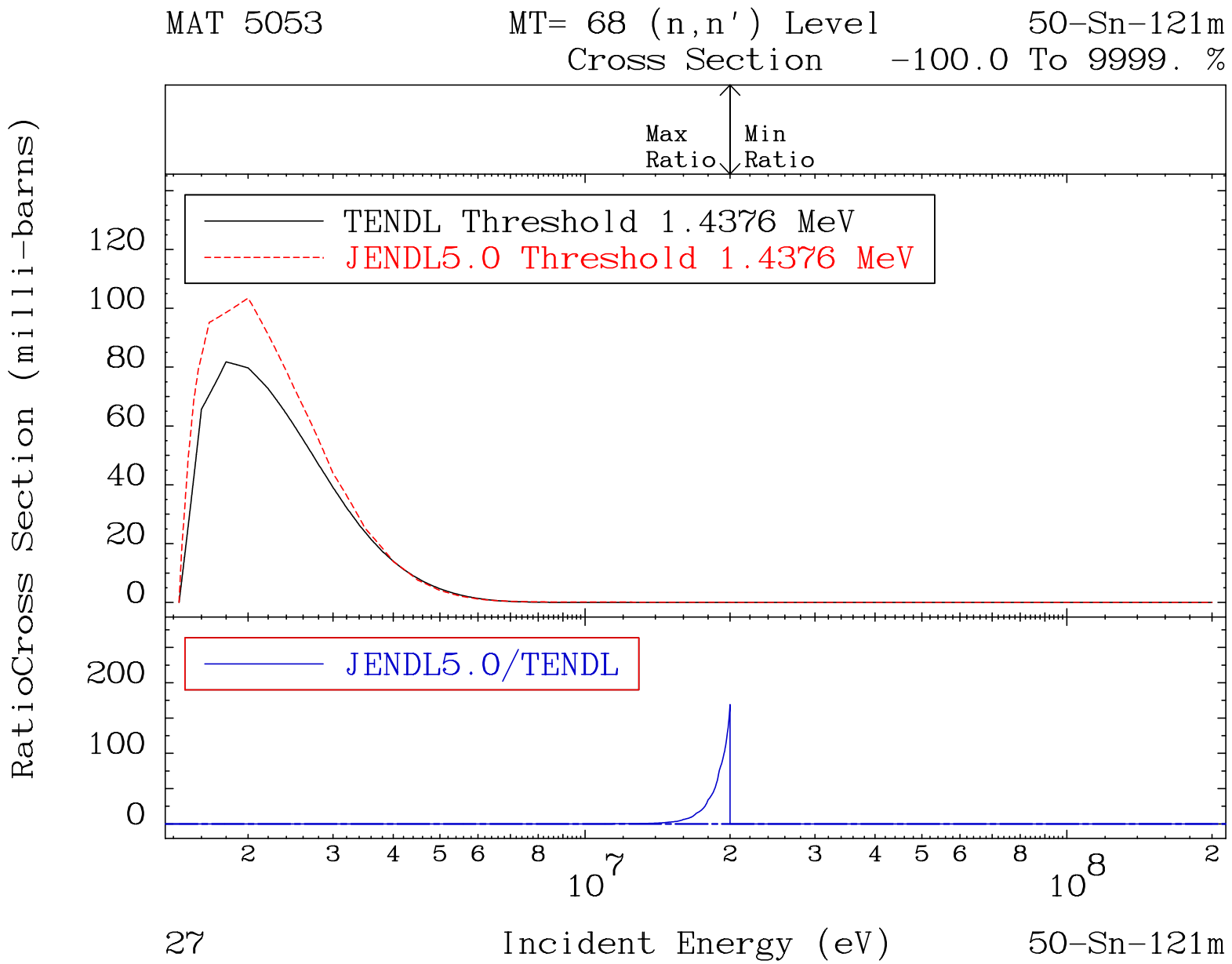

MAT 5053
MT= 63 (n,n') Level
50-Sn-121m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.2057 MeV
JENDL5.0 Threshold 1.1603 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
22
Incident Energy (eV)
50-Sn-121m

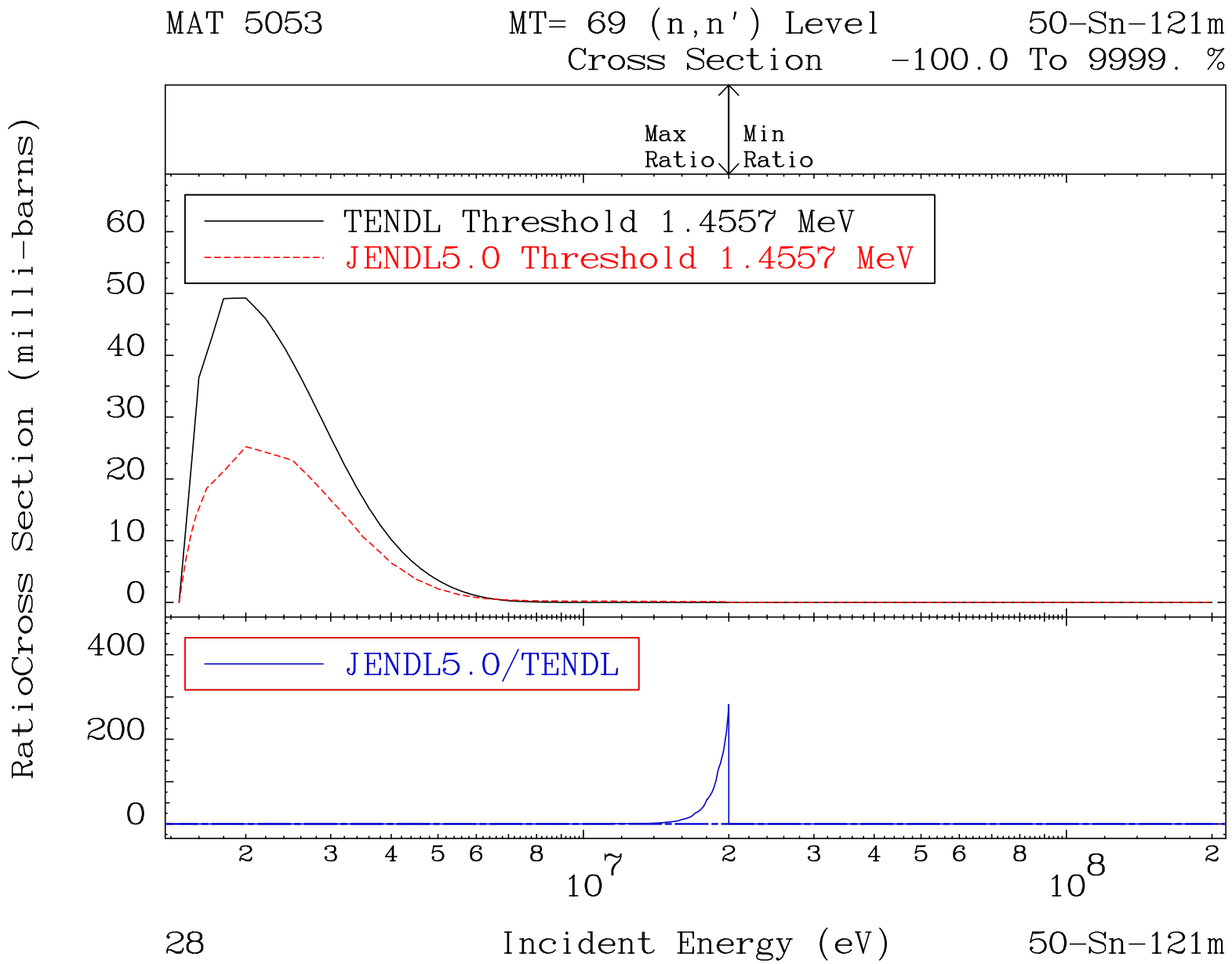

MAT 5053
MT= 64 (n,n') Level
50-Sn-121m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.2510 MeV
JENDL5.0 Threshold 1.2510 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
400
200
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
23
Incident Energy (eV)
50-Sn-121m

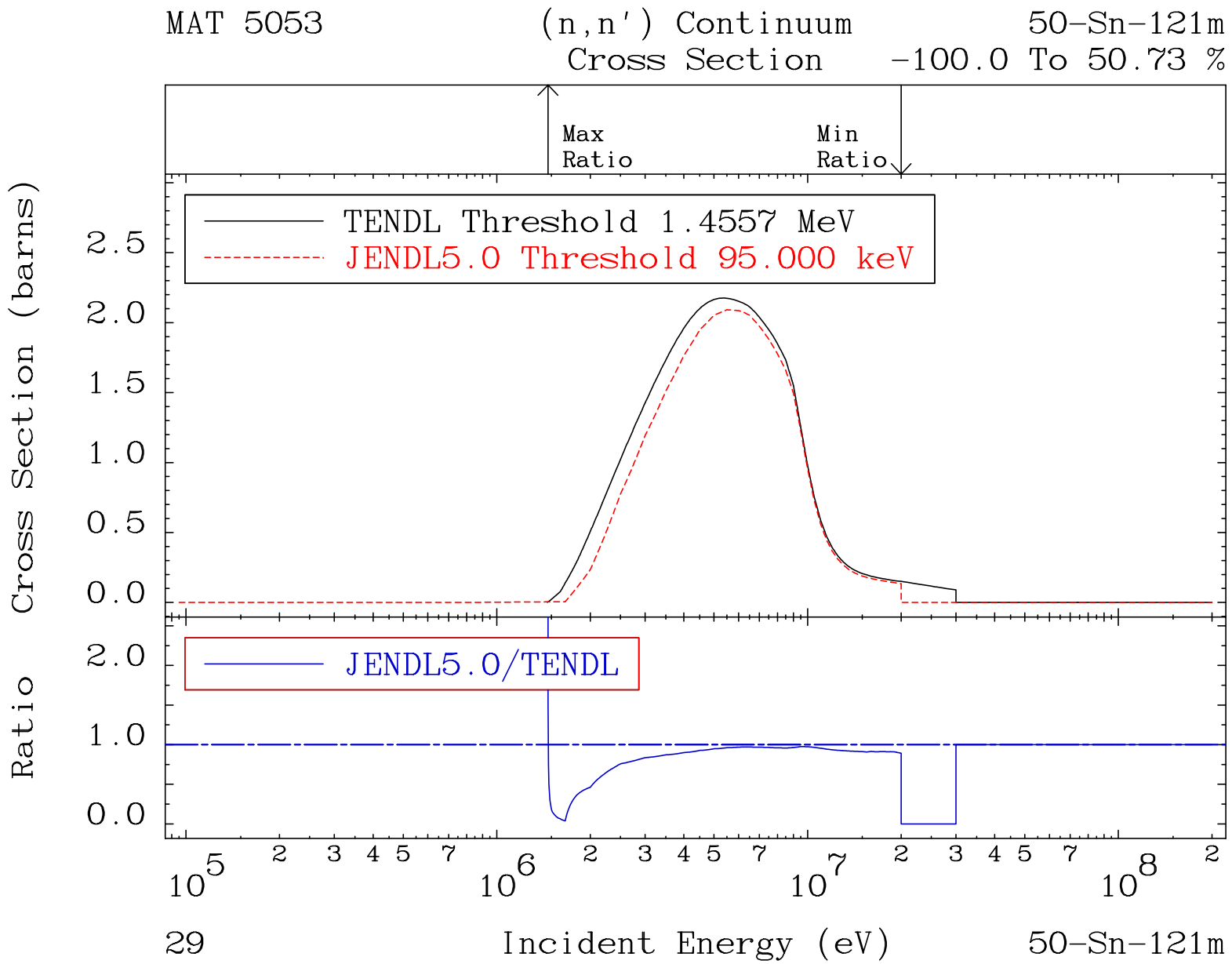

MAT 5053
MT= 65 (n,n') Level
50-Sn-121m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.3418 MeV
JENDL5.0 Threshold 1.3418 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
24
Incident Energy (eV)
50-Sn-121m

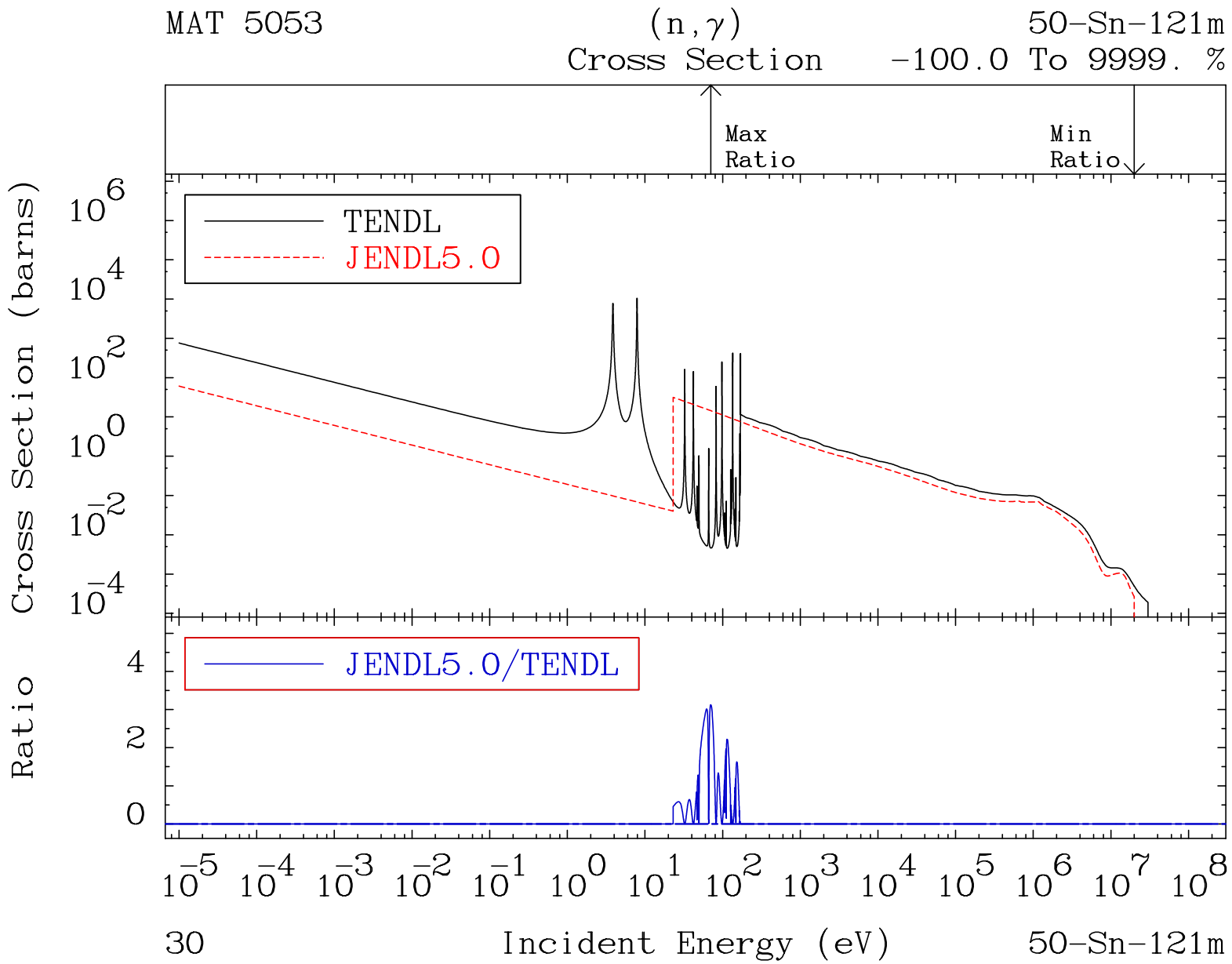

MAT 5053
MT= 66 (n,n') Level
50-Sn-121m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.3549 MeV
JENDL5.0 Threshold 1.3549 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
400
200
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
25
Incident Energy (eV)
50-Sn-121m

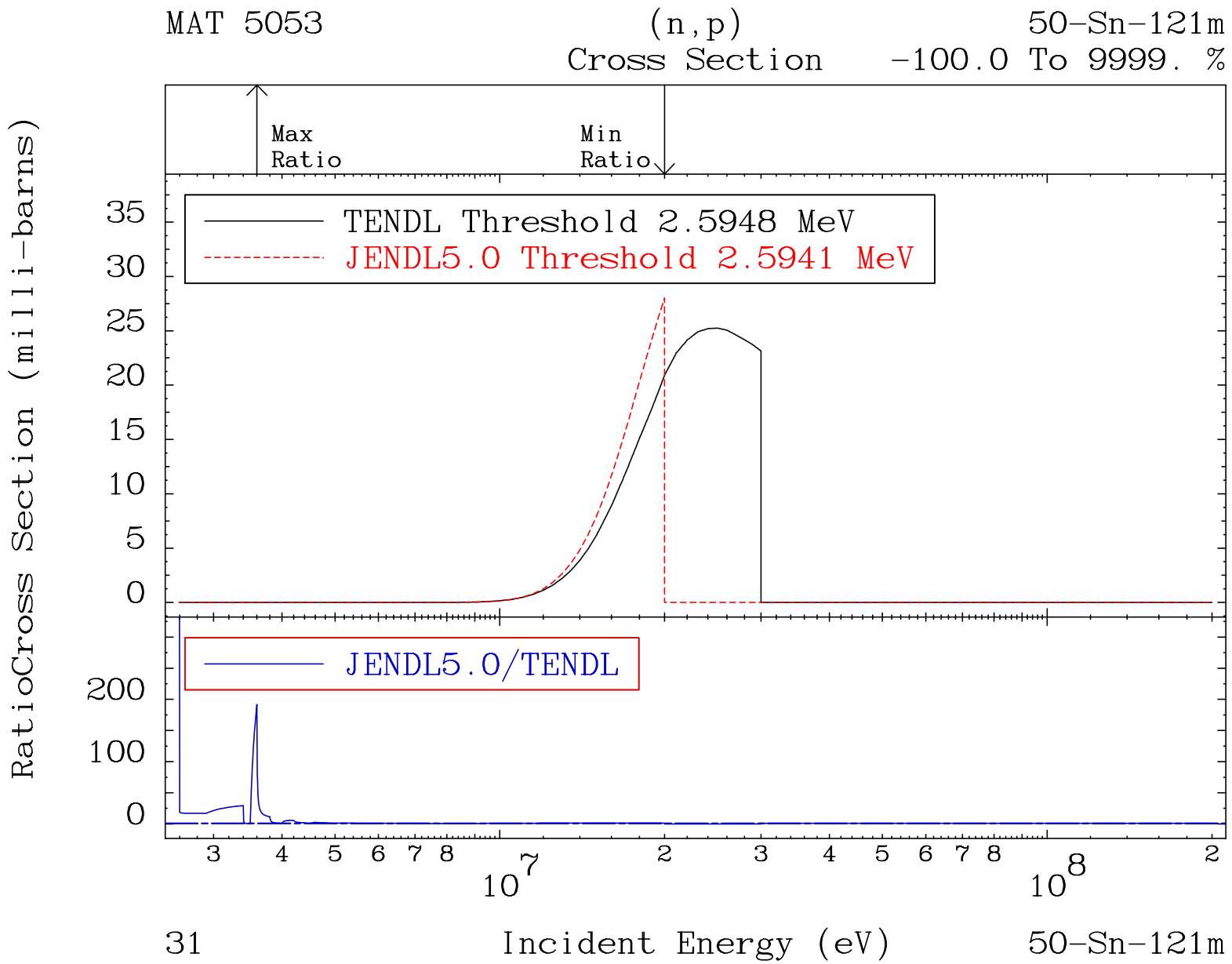

MAT 5053
MT= 67 (n,n') Level
50-Sn-121m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.4088 MeV
JENDL5.0 Threshold 1.4088 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
400
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
26
50-Sn-121m

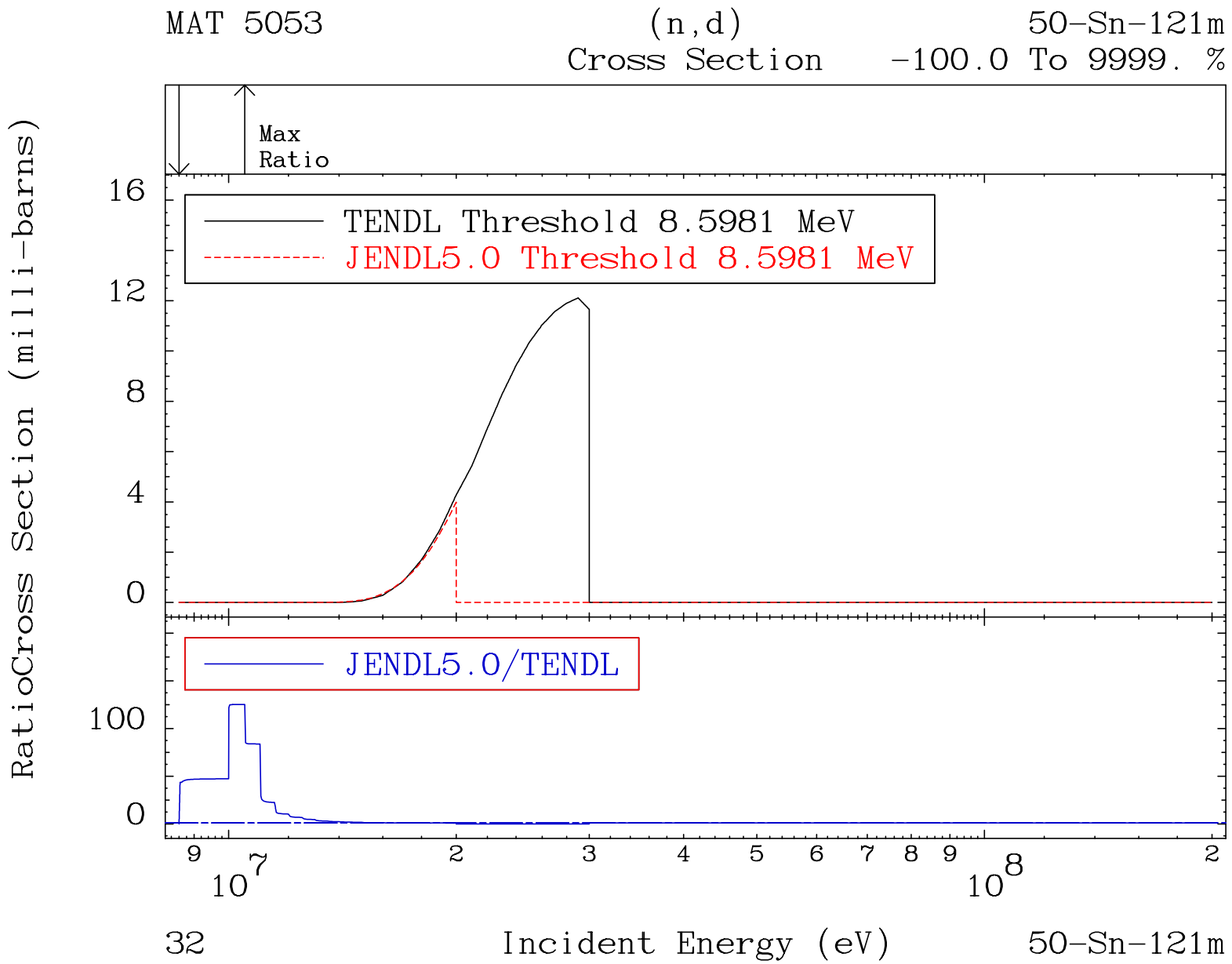

MAT 5053
MT= 68 (n,n') Level
50-Sn-121m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.4376 MeV
JENDL5.0 Threshold 1.4376 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
27
Incident Energy (eV)
50-Sn-121m

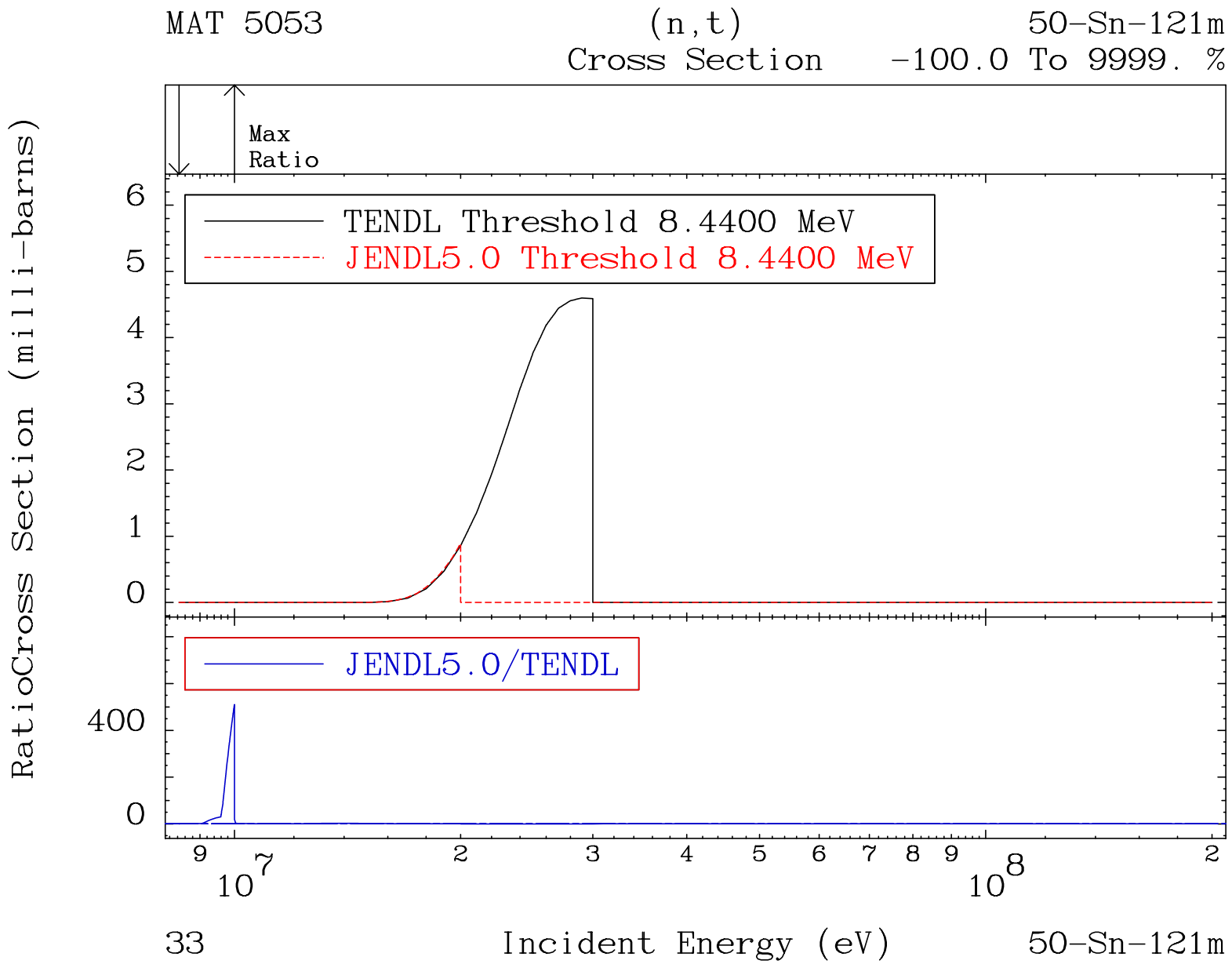

MAT 5053
MT= 69 (n,n') Level
50-Sn-121m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.4557 MeV
JENDL5.0 Threshold 1.4557 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
400
200
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
28
Incident Energy (eV)
50-Sn-121m

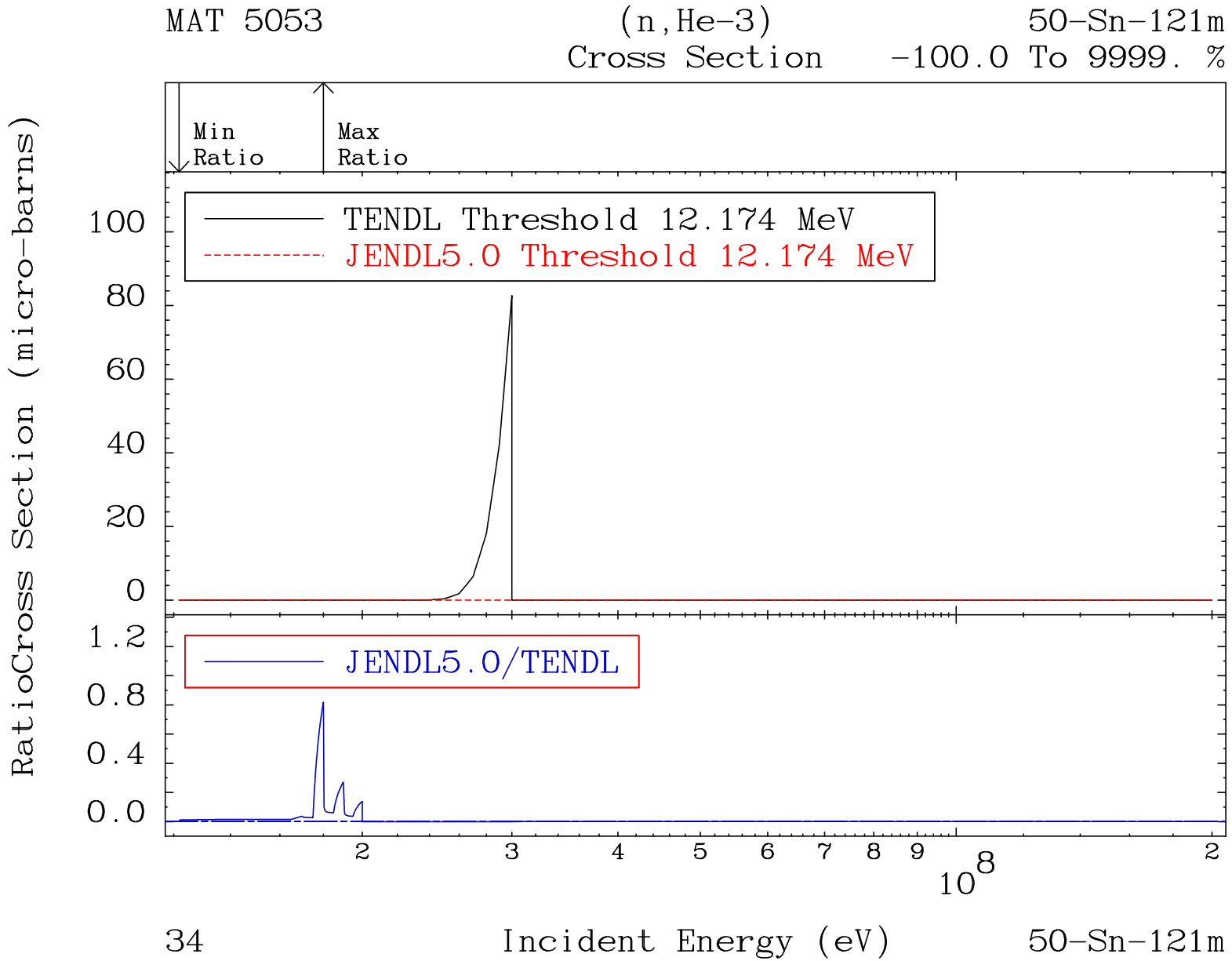

MAT 5053
(n,n') Continuum
Cross Section
50-Sn-121m
-100.0 To 50.73 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.4557 MeV
JENDL5.0 Threshold 95.000 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
10^5
10^6
10^7
10^8
29
Incident Energy (eV)
50-Sn-121m

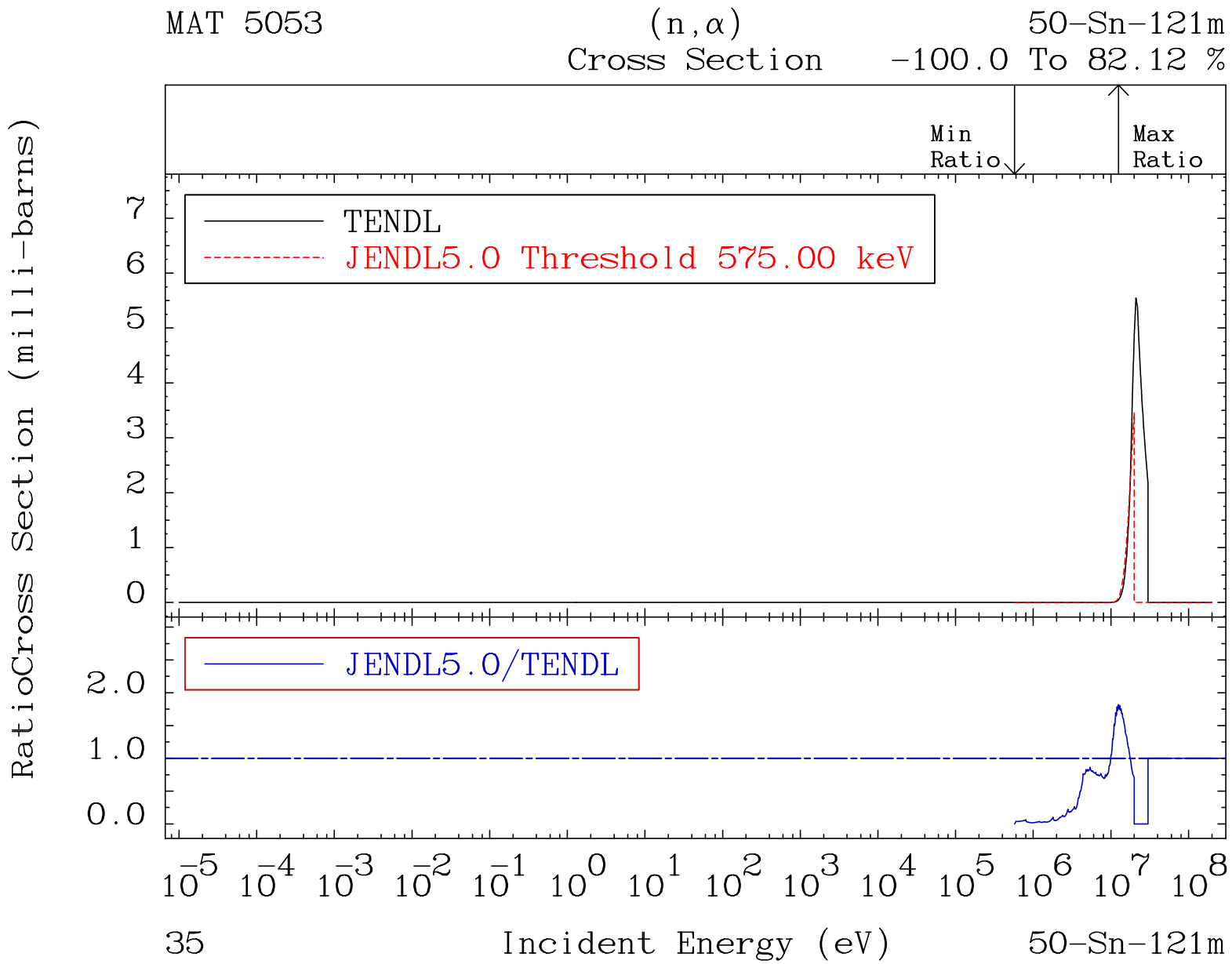

MAT 5053
(n,γ)
Cross Section
50-Sn-121m
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
30
50-Sn-121m

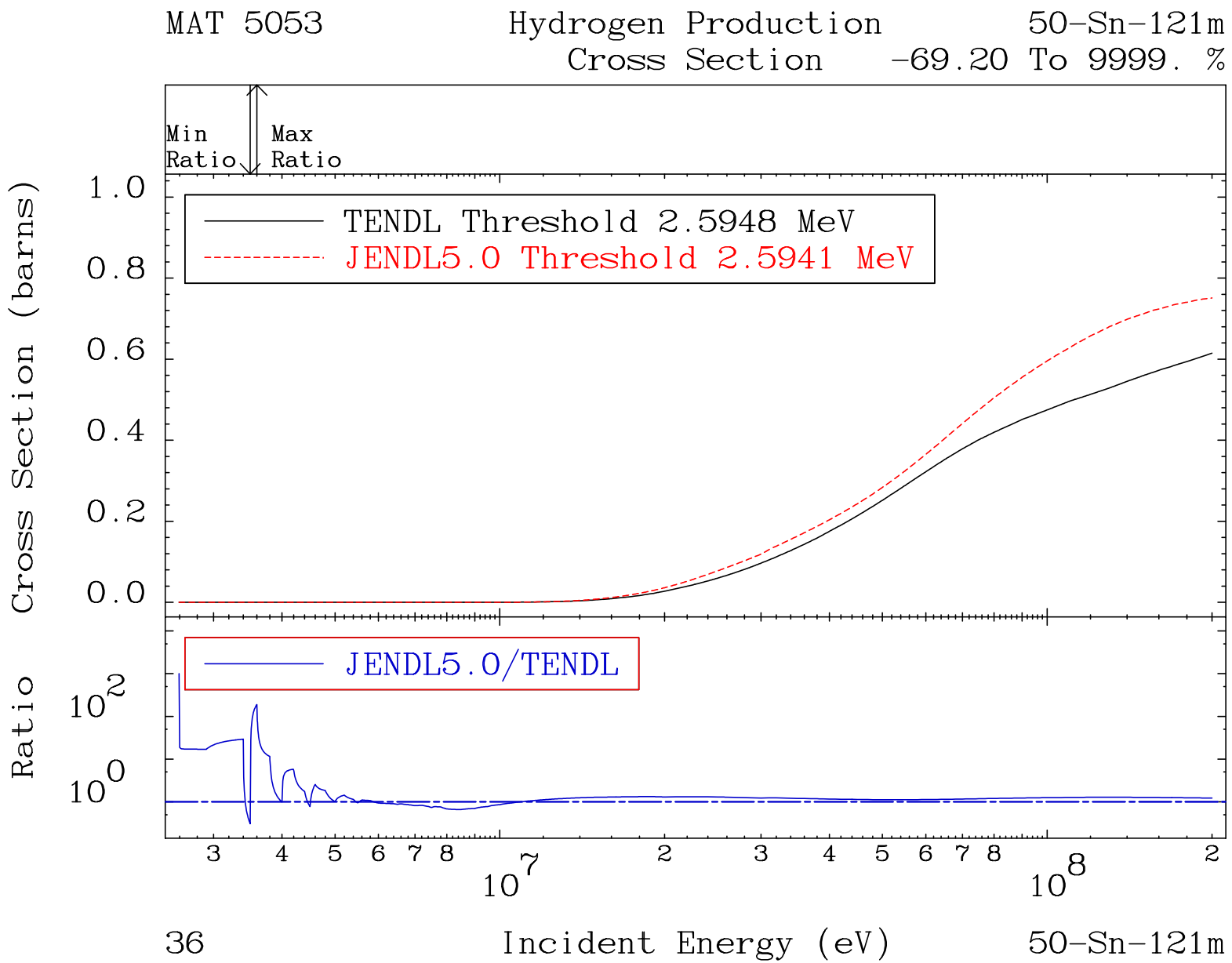

MAT 5053
(n,p)
Cross Section
50-Sn-121m
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.5948 MeV
JENDL5.0 Threshold 2.5941 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
200
100
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
50-Sn-121m

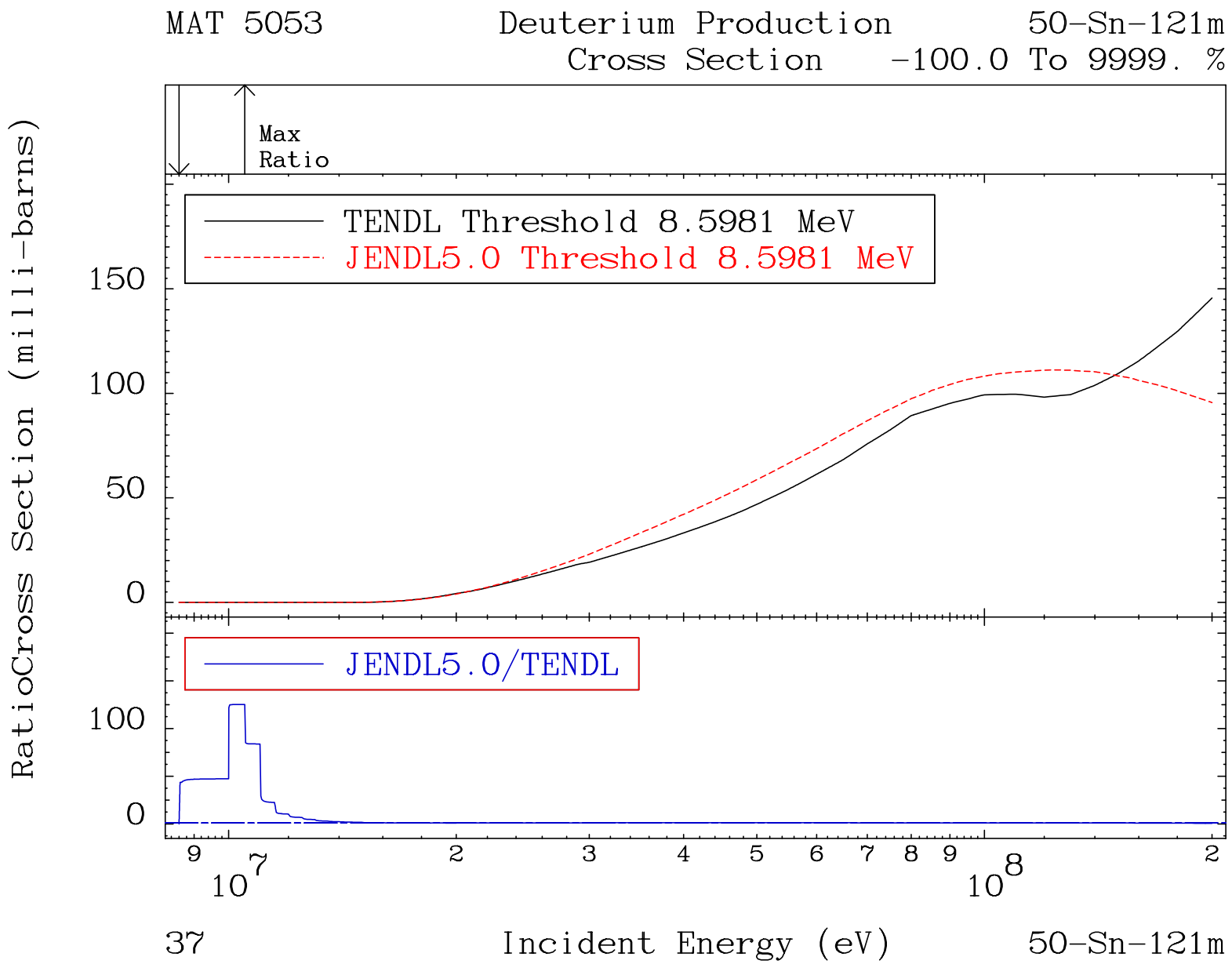

MAT 5053
(n,d)
50-Sn-121m
Cross Section
-100.0 To 9999. %
Max
Ratio
16
12
8
4
0
TENDL Threshold 8.5981 MeV
JENDL5.0 Threshold 8.5981 MeV
JENDL5.0/TENDL
100
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
32
Incident Energy (eV)
50-Sn-121m

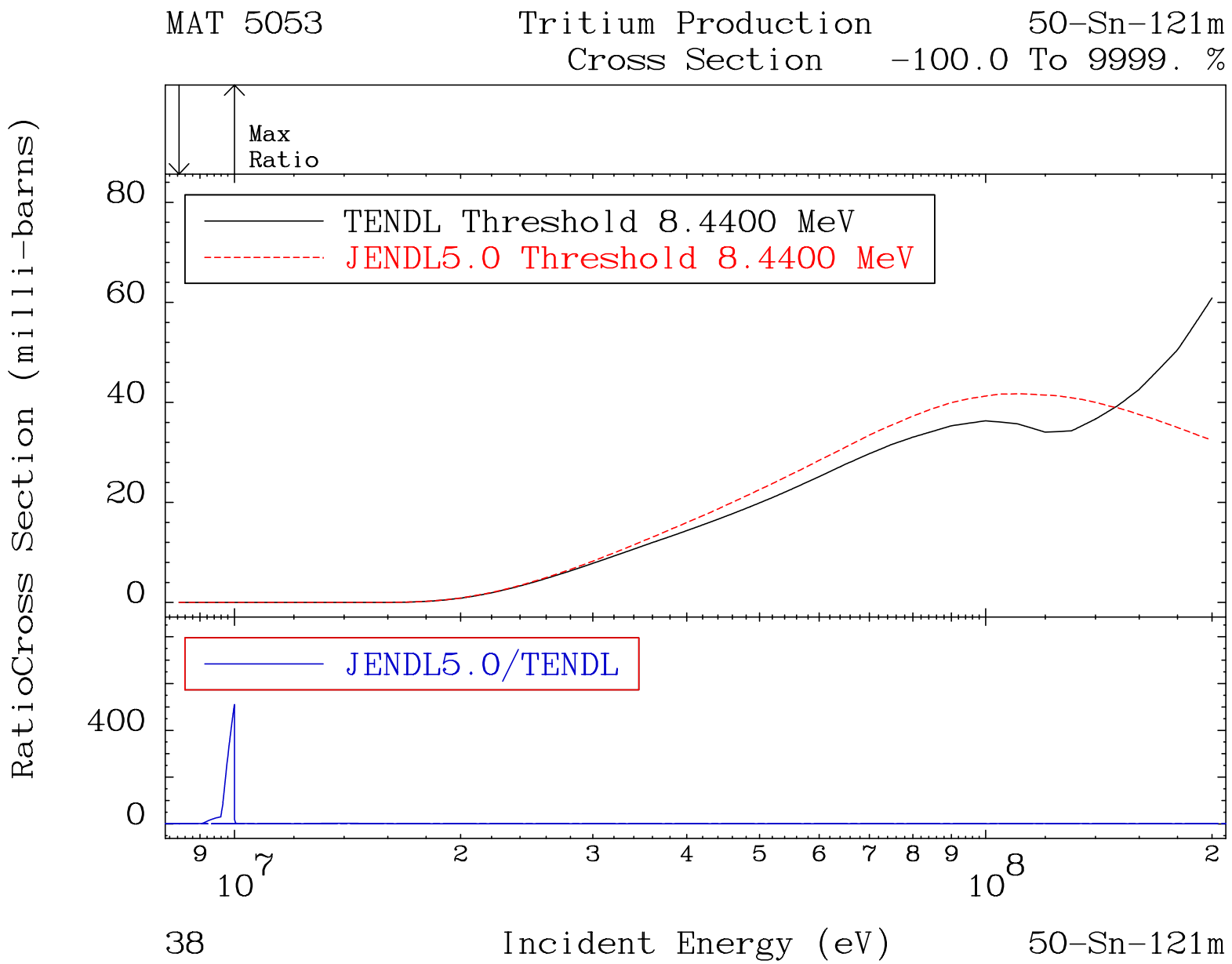

MAT 5053
(n,t)
Cross Section
50-Sn-121m
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 8.4400 MeV
JENDL5.0 Threshold 8.4400 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
6
5
4
3
2
1
0
400
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
33
Incident Energy (eV)
50-Sn-121m

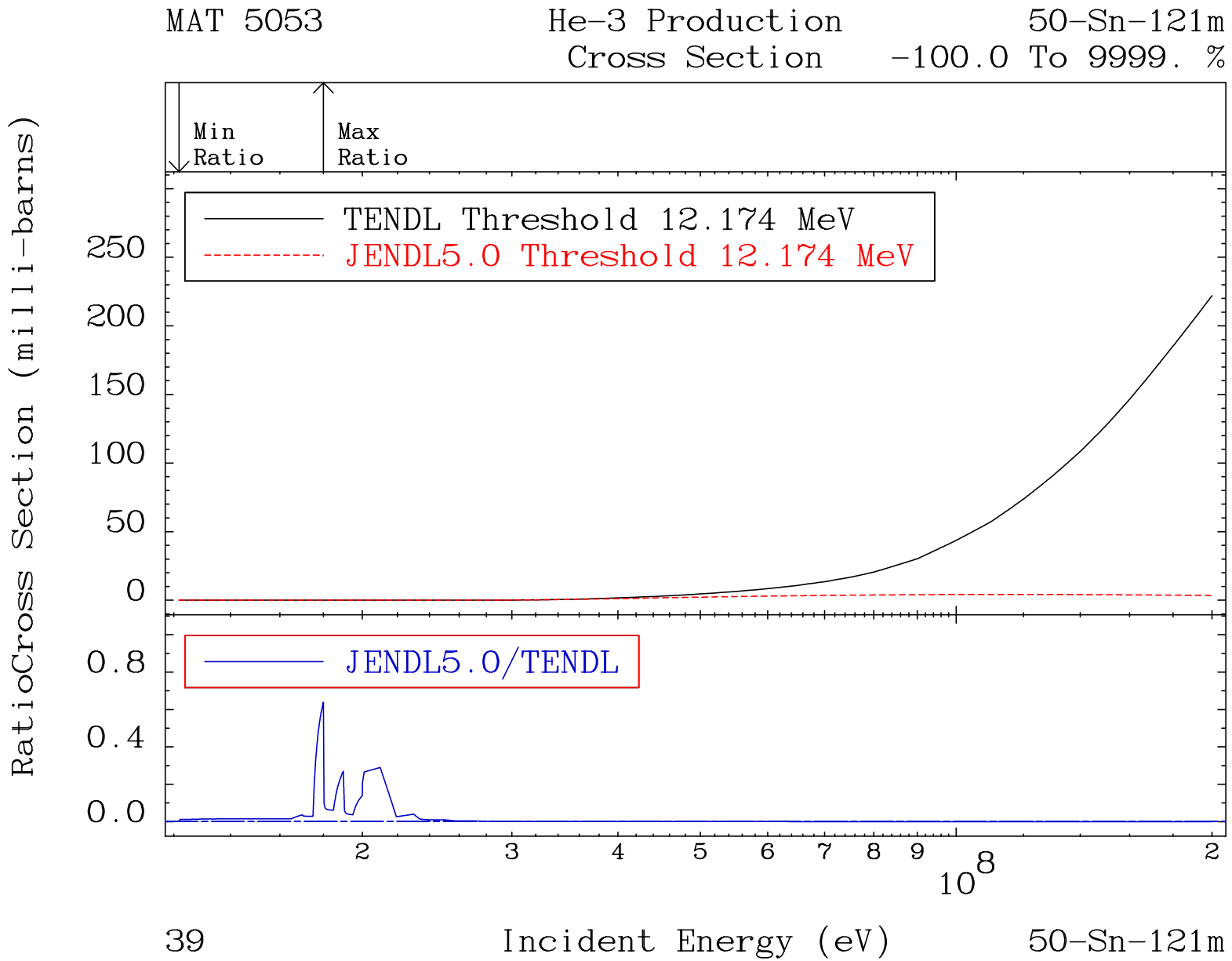

MAT 5053
(n,He-3)
Cross Section
50-Sn-121m
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 12.174 MeV
JENDL5.0 Threshold 12.174 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
100
80
60
40
20
0
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
34
Incident Energy (eV)
50-Sn-121m

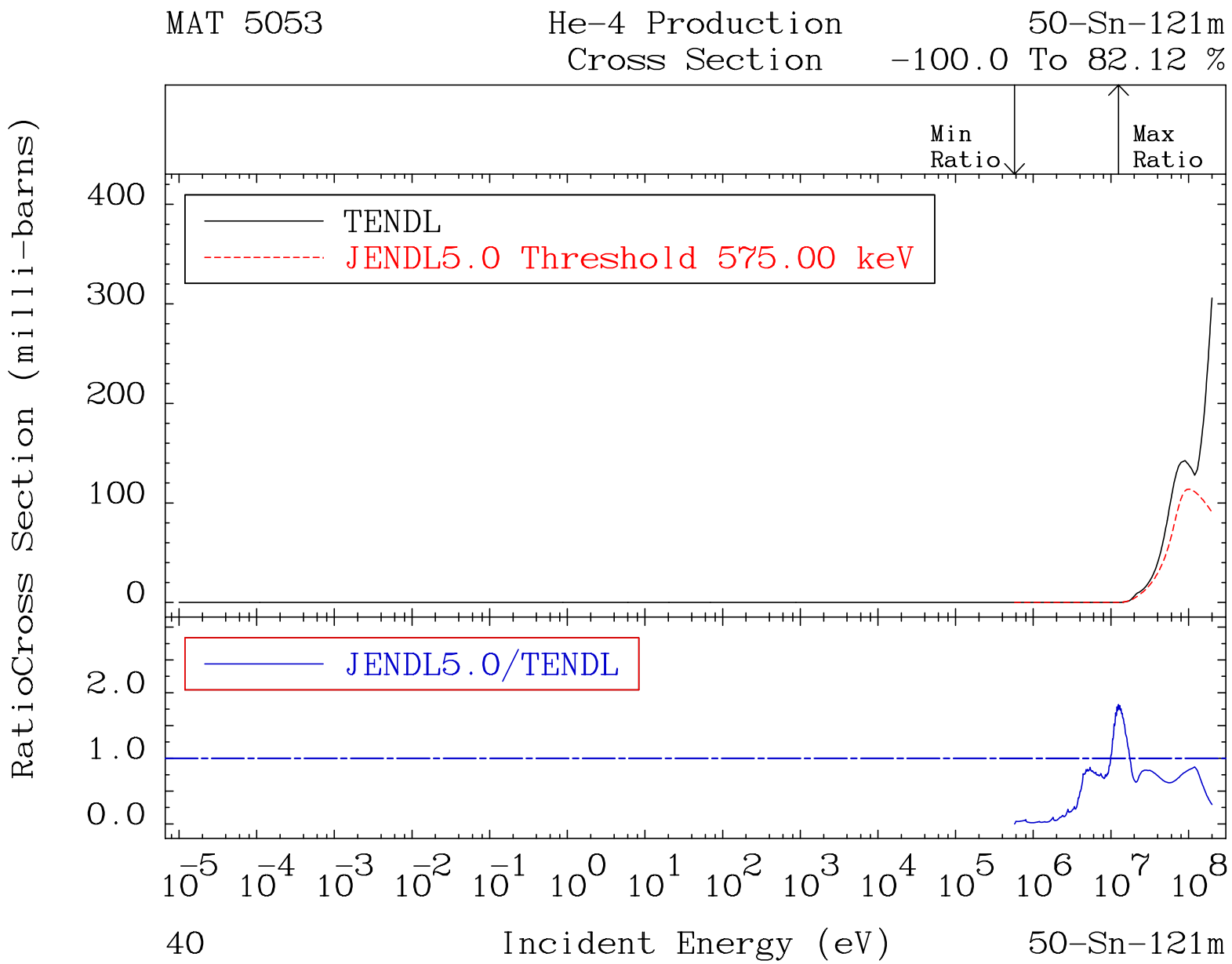

MAT 5053
(n,α)
Cross Section
50-Sn-121m
-100.0 To 82.12 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 575.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
35
50-Sn-121m

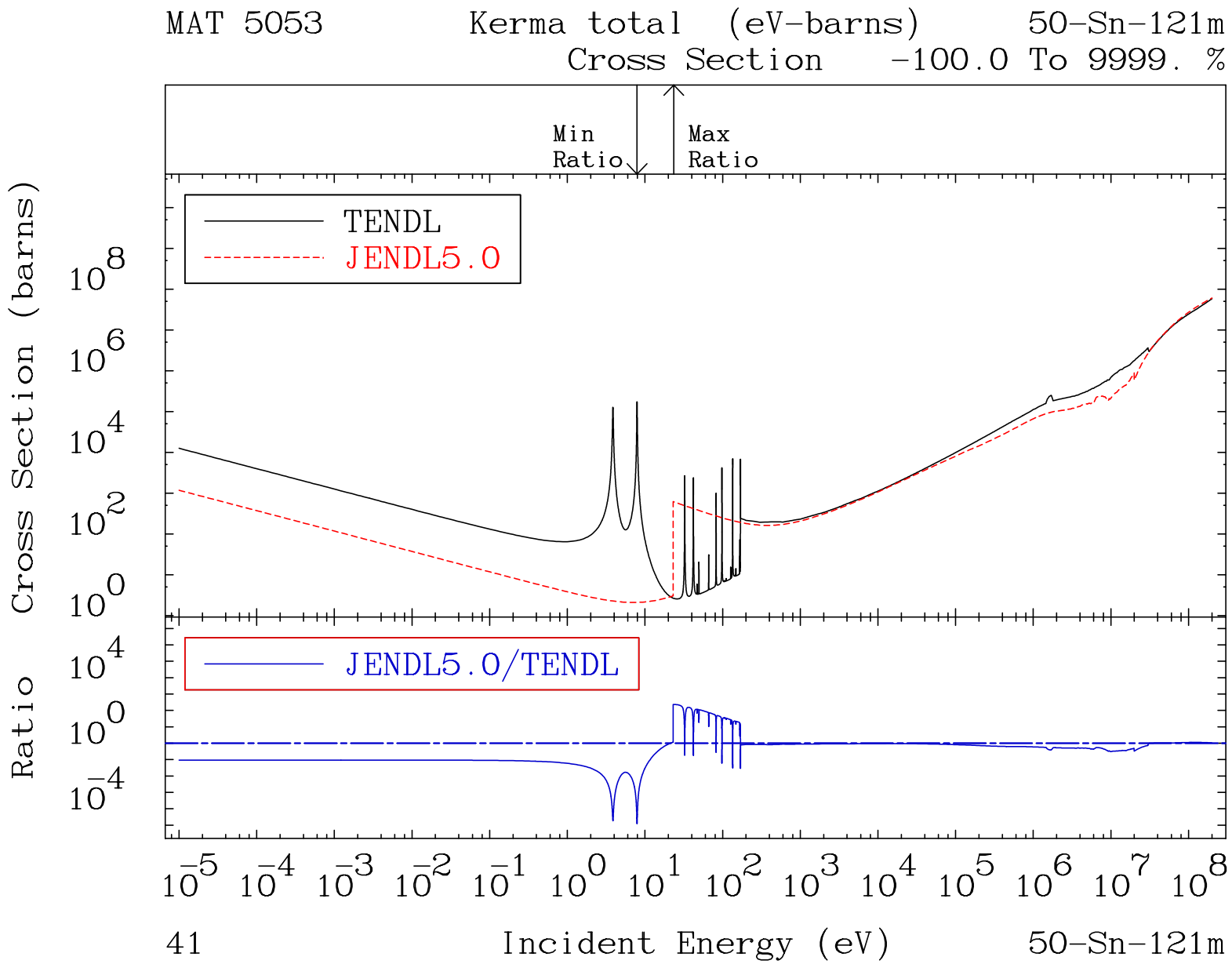

MAT 5053
Hydrogen Production
50-Sn-121m
Cross Section -69.20 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.5948 MeV
JENDL5.0 Threshold 2.5941 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
10^2
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
36
50-Sn-121m

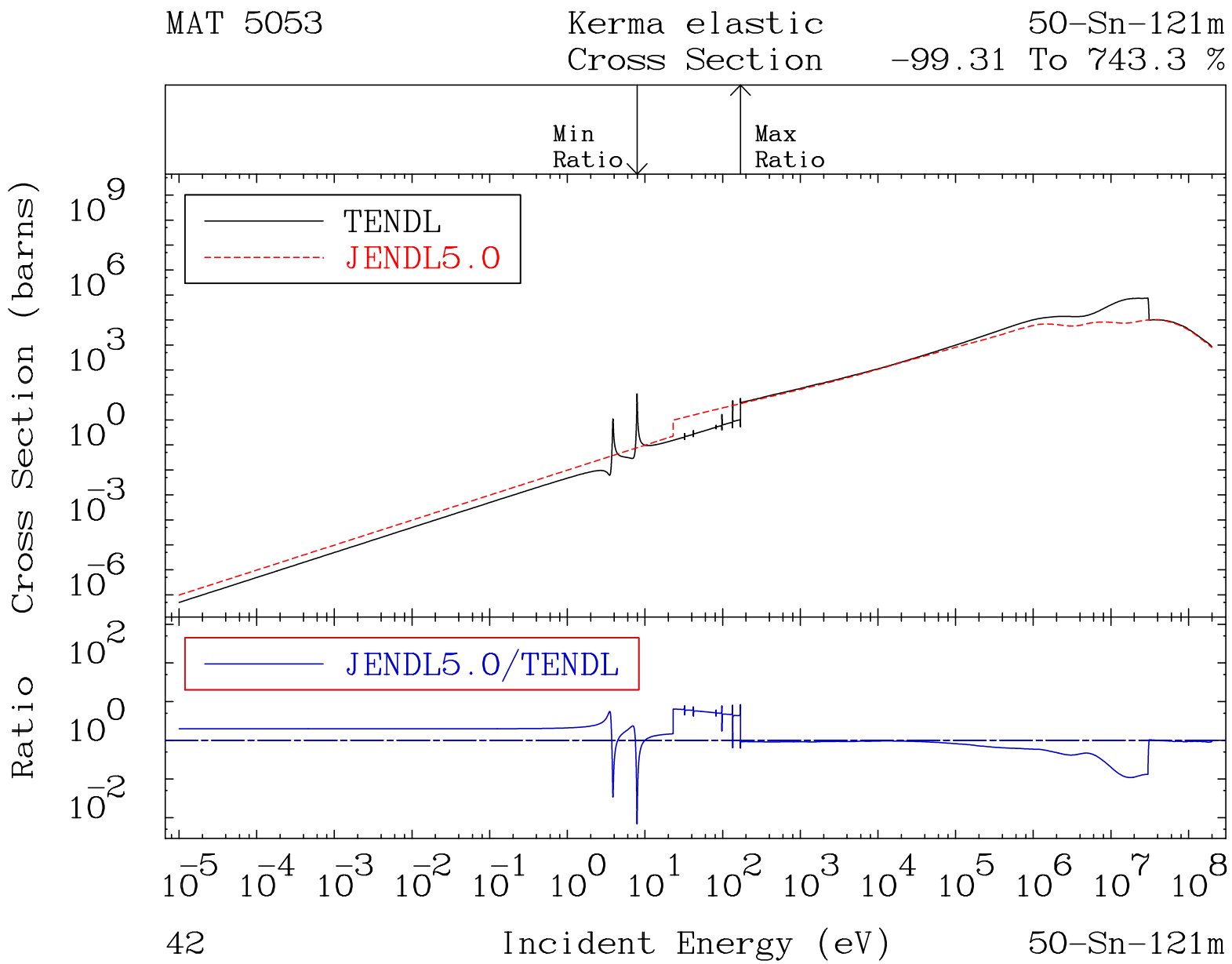

MAT 5053
Deuterium Production
50-Sn-121m
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 8.5981 MeV
JENDL5.0 Threshold 8.5981 MeV
150
100
50
0
JENDL5.0/TENDL
100
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
37
Incident Energy (eV)
50-Sn-121m

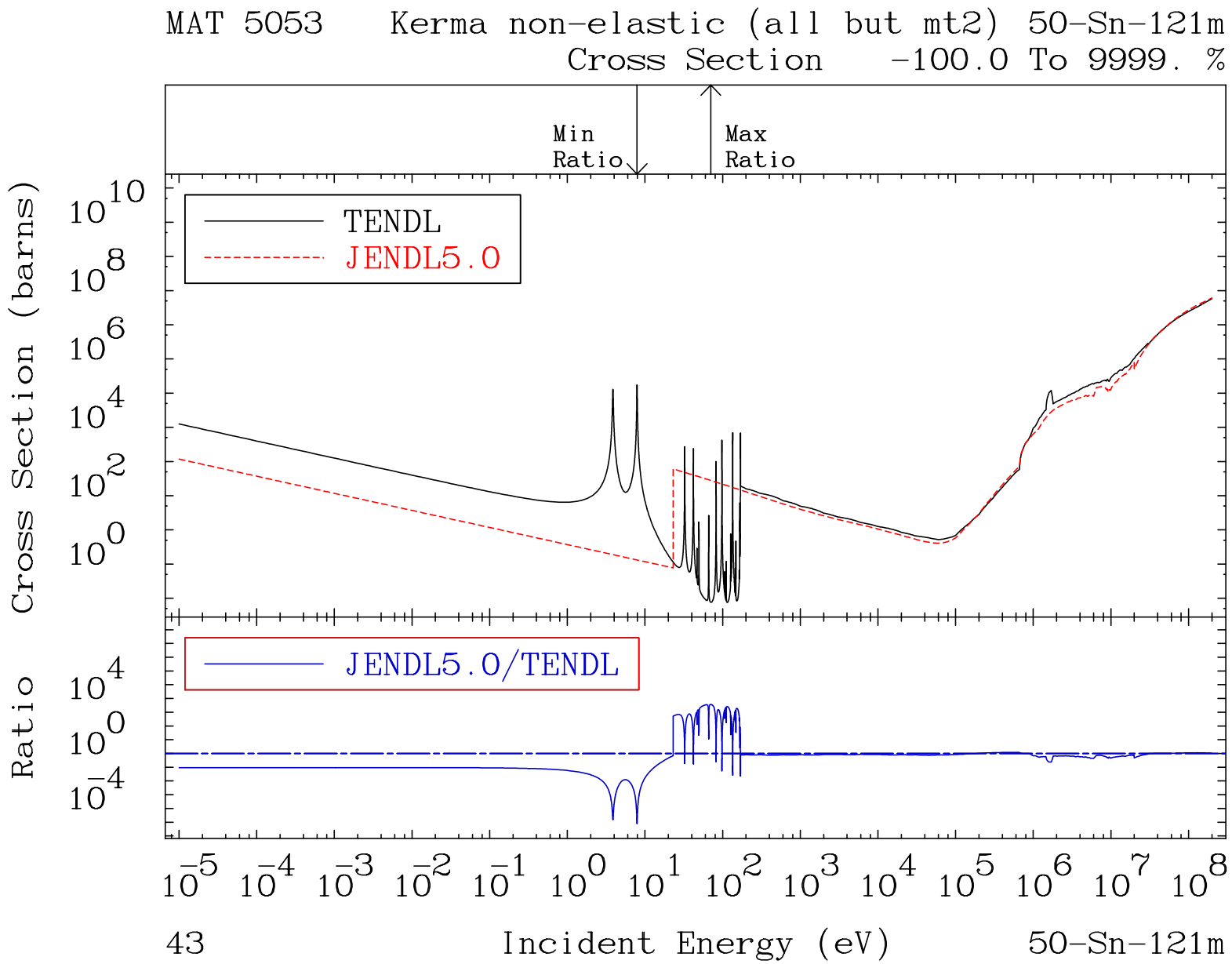

MAT 5053
Tritium Production
50-Sn-121m
Cross Section
-100.0 To 9999. %
Max
Ratio
80
60
40
20
0
TENDL Threshold 8.4400 MeV
JENDL5.0 Threshold 8.4400 MeV
JENDL5.0/TENDL
400
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
38
Incident Energy (eV)
50-Sn-121m

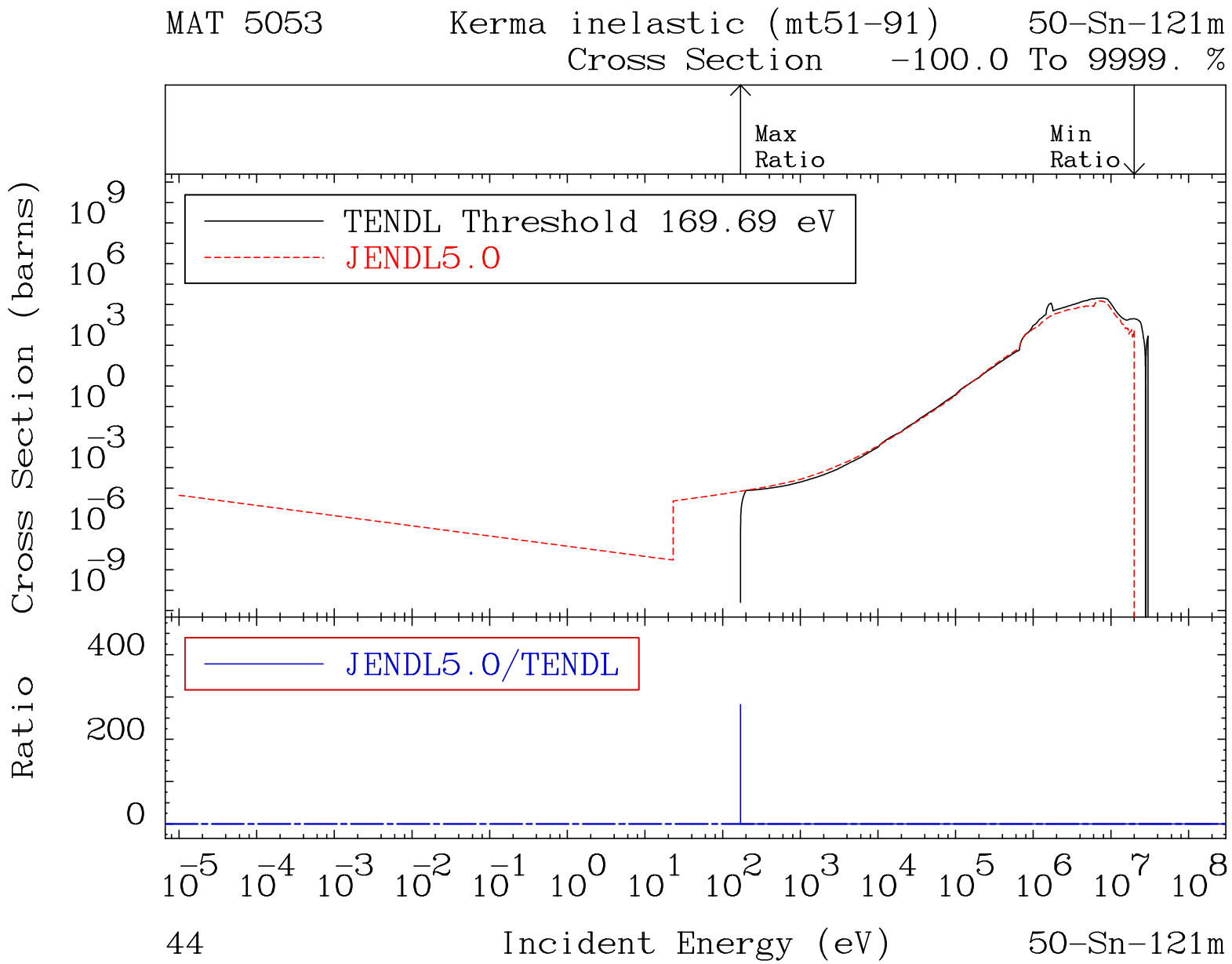

MAT 5053
He-3 Production
Cross Section
50-Sn-121m
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 12.174 MeV
JENDL5.0 Threshold 12.174 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
39
Incident Energy (eV)
50-Sn-121m

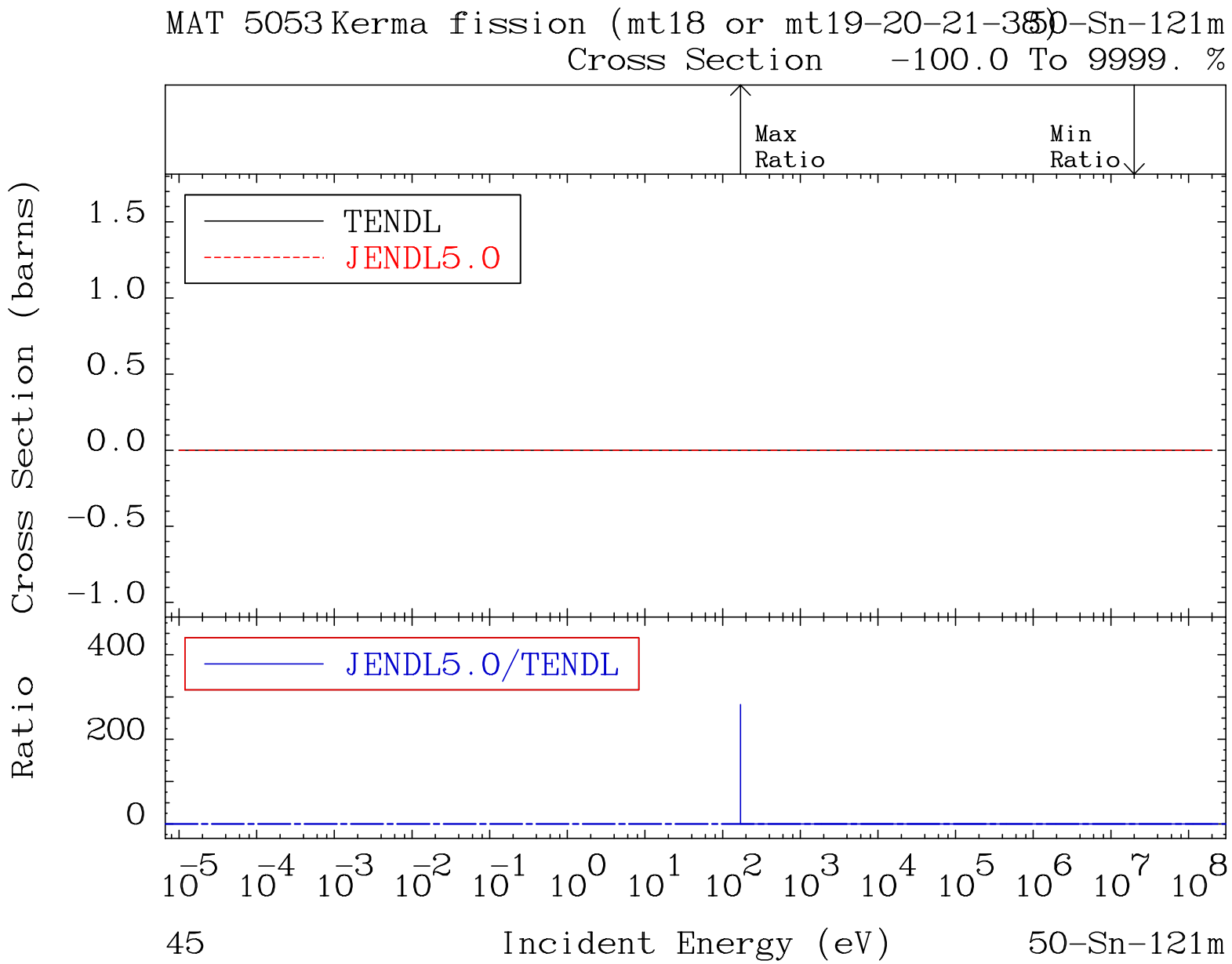

MAT 5053
He-4 Production
Cross Section
50-Sn-121m
-100.0 To 82.12 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 575.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
40
50-Sn-121m

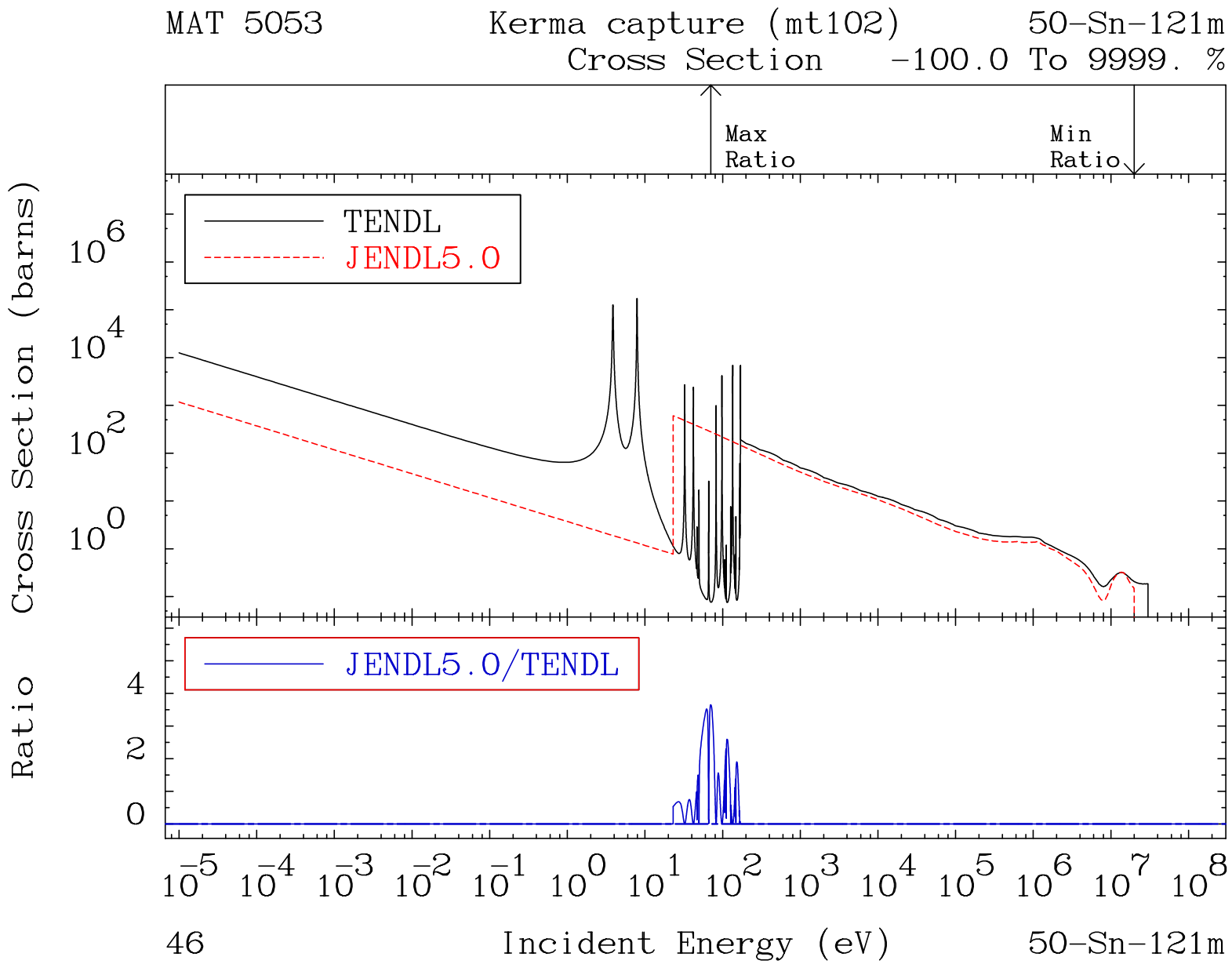

MAT 5053
Kerma total (eV-barns)
50-Sn-121m
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
50-Sn-121m

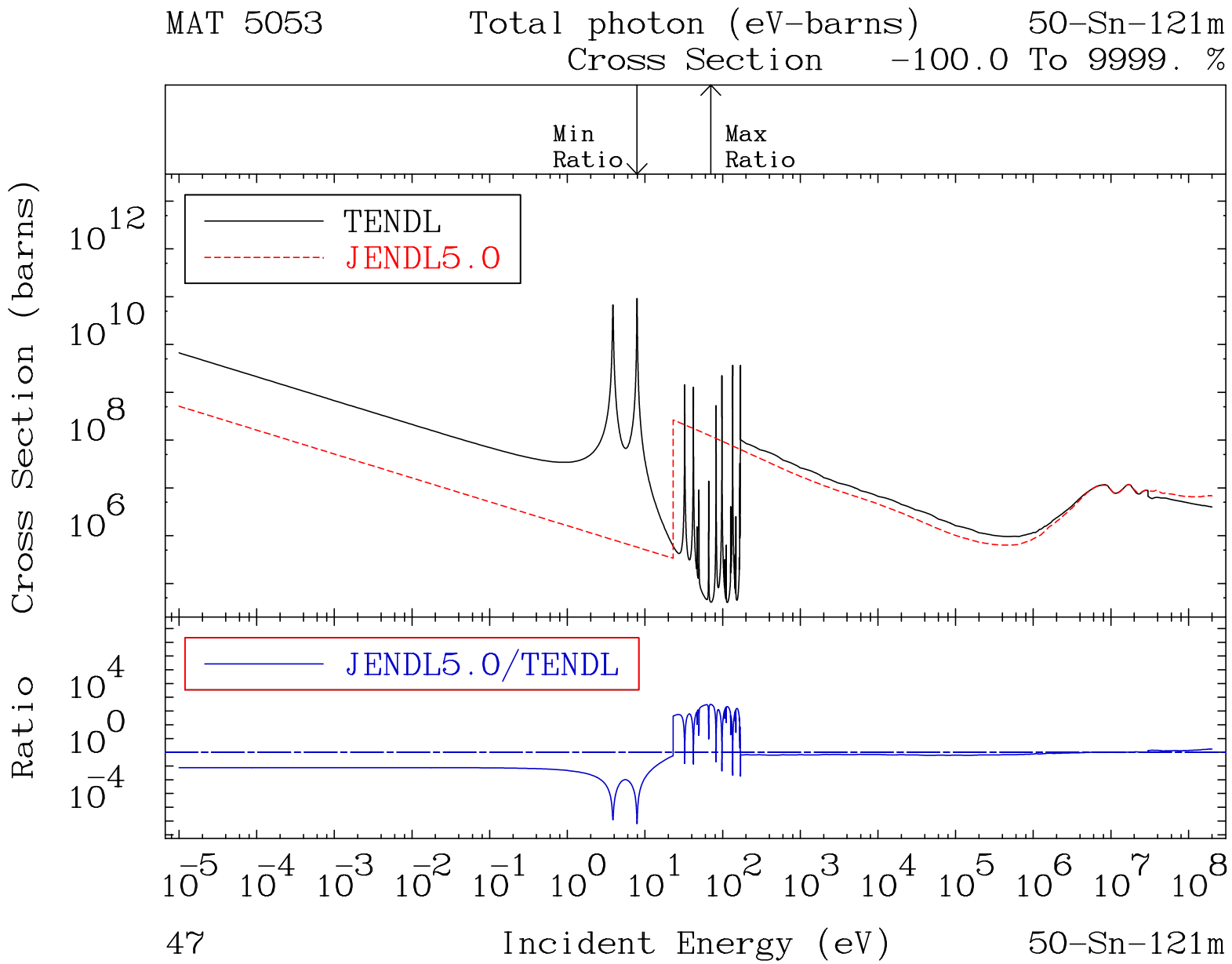

MAT 5053
Kerma elastic
Cross Section
50-Sn-121m
-99.31 To 743.3 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
50-Sn-121m

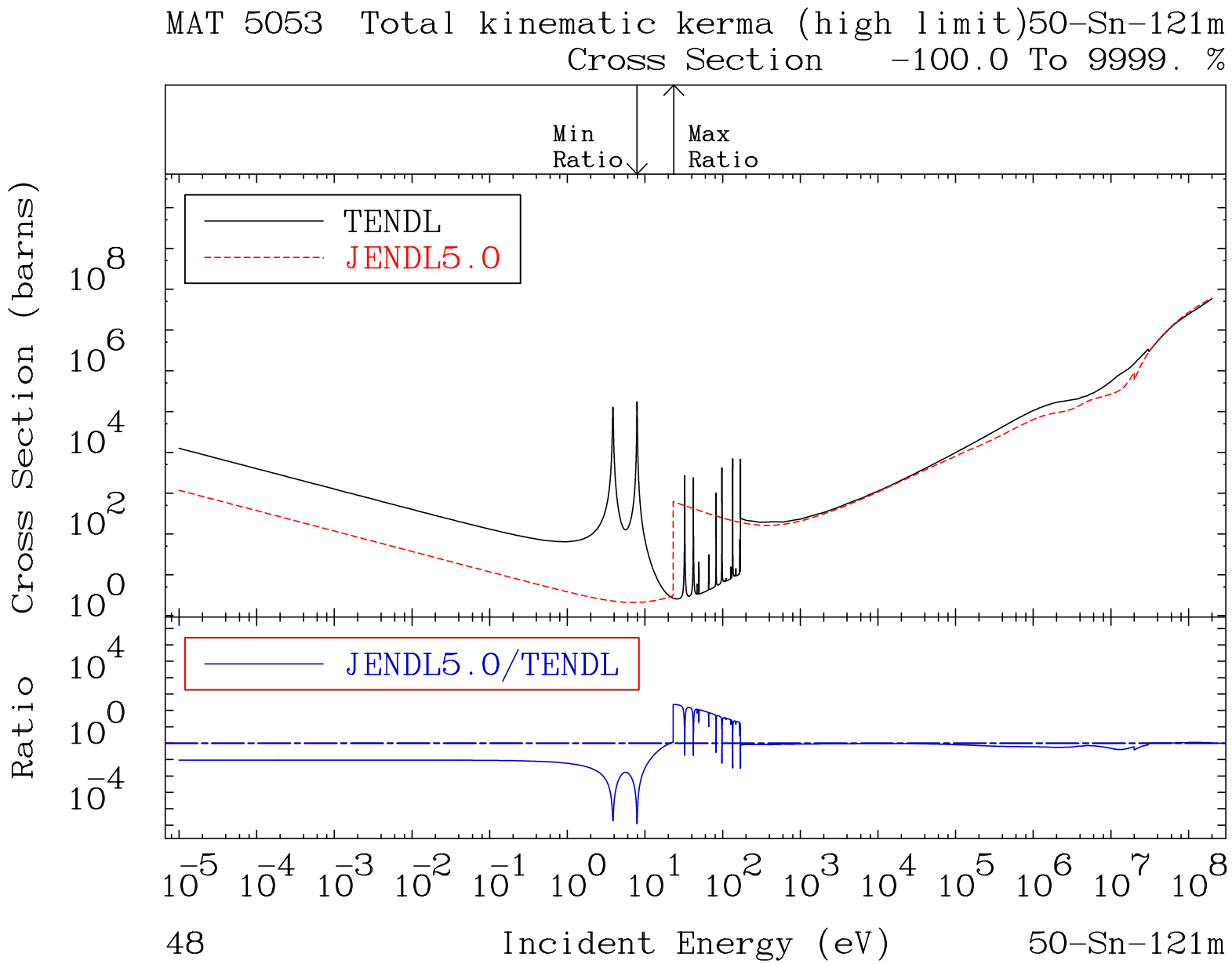

MAT 5053 Kerma non-elastic (all but mt2) 50-Sn-121m
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
50-Sn-121m

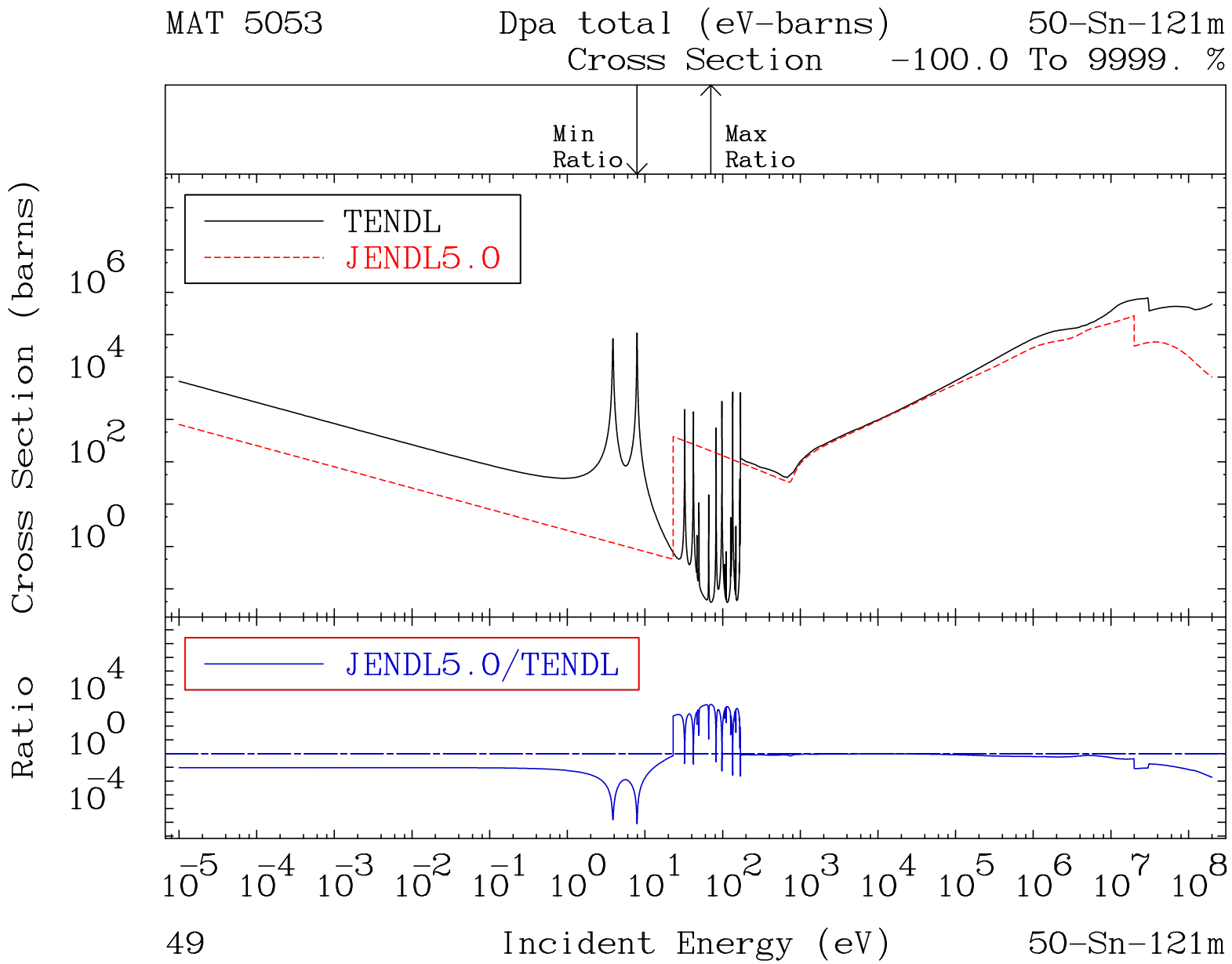

MAT 5053
Kerma inelastic (mt51-91)
50-Sn-121m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 169.69 eV
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
50-Sn-121m

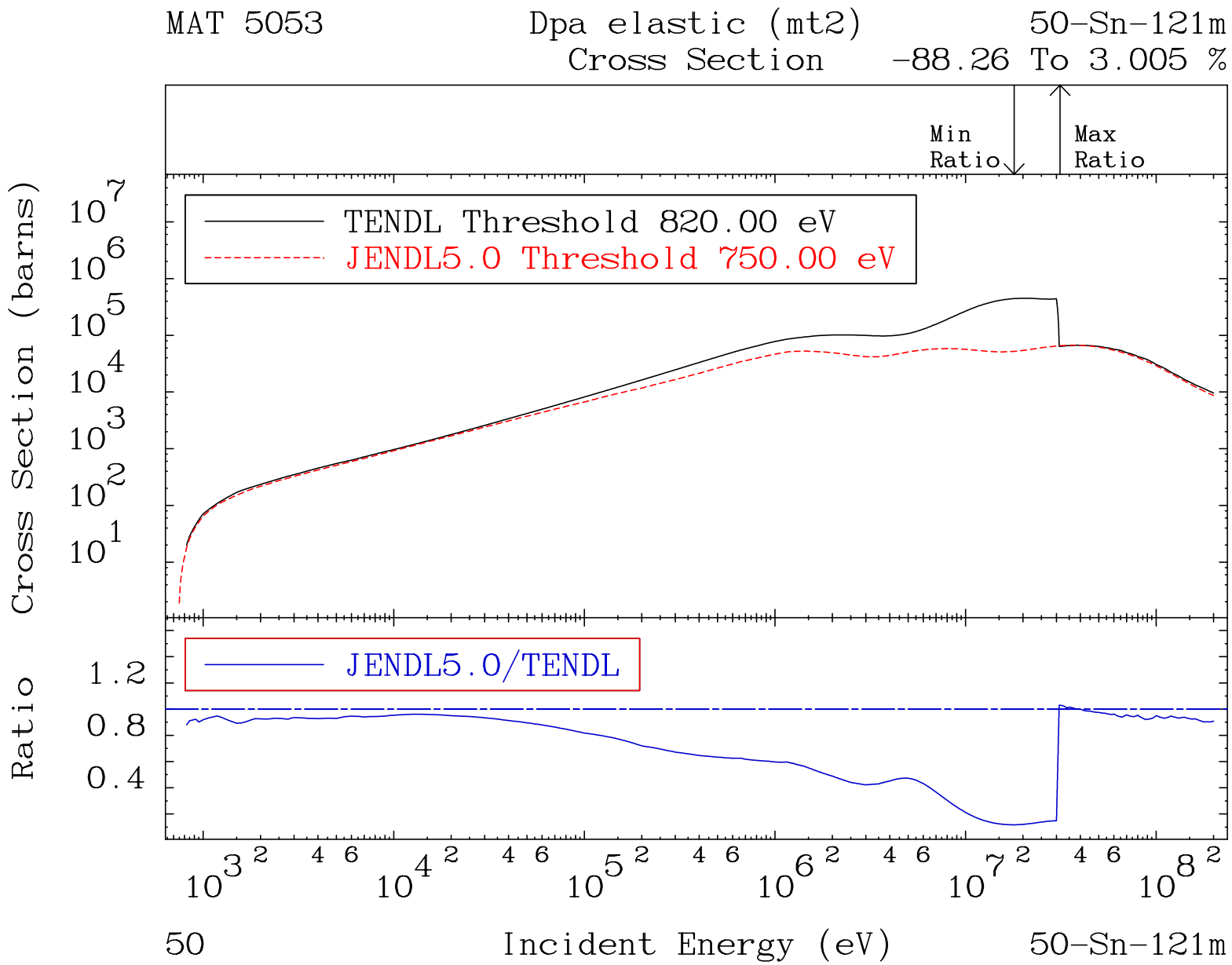

MAT 5053 Kerma fission (mt18 or mt19-20-21-38)
50-Sn-121m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
400
200
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
45
Incident Energy (eV)
50-Sn-121m

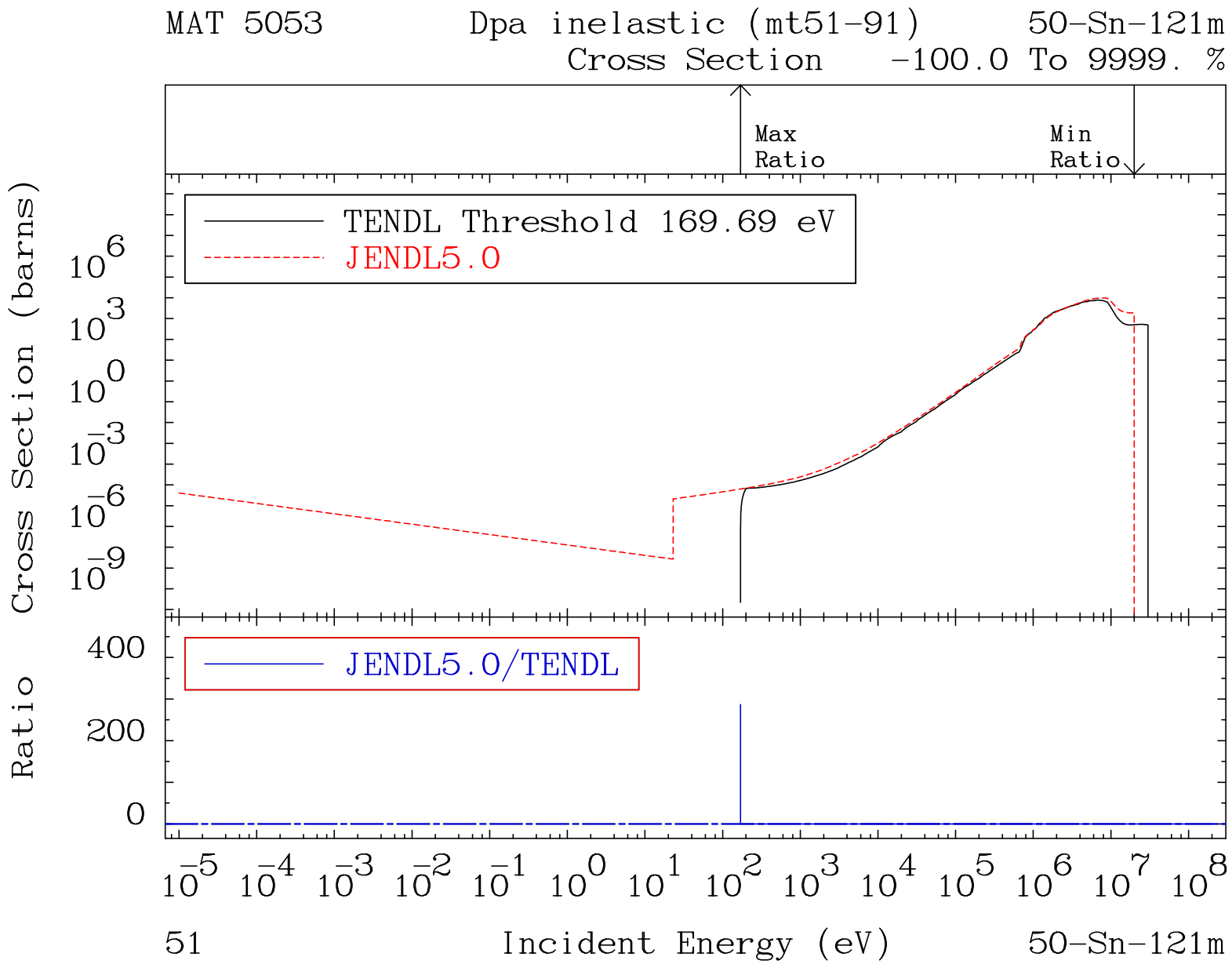

MAT 5053
Kerma capture (mt102)
50-Sn-121m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
46
50-Sn-121m

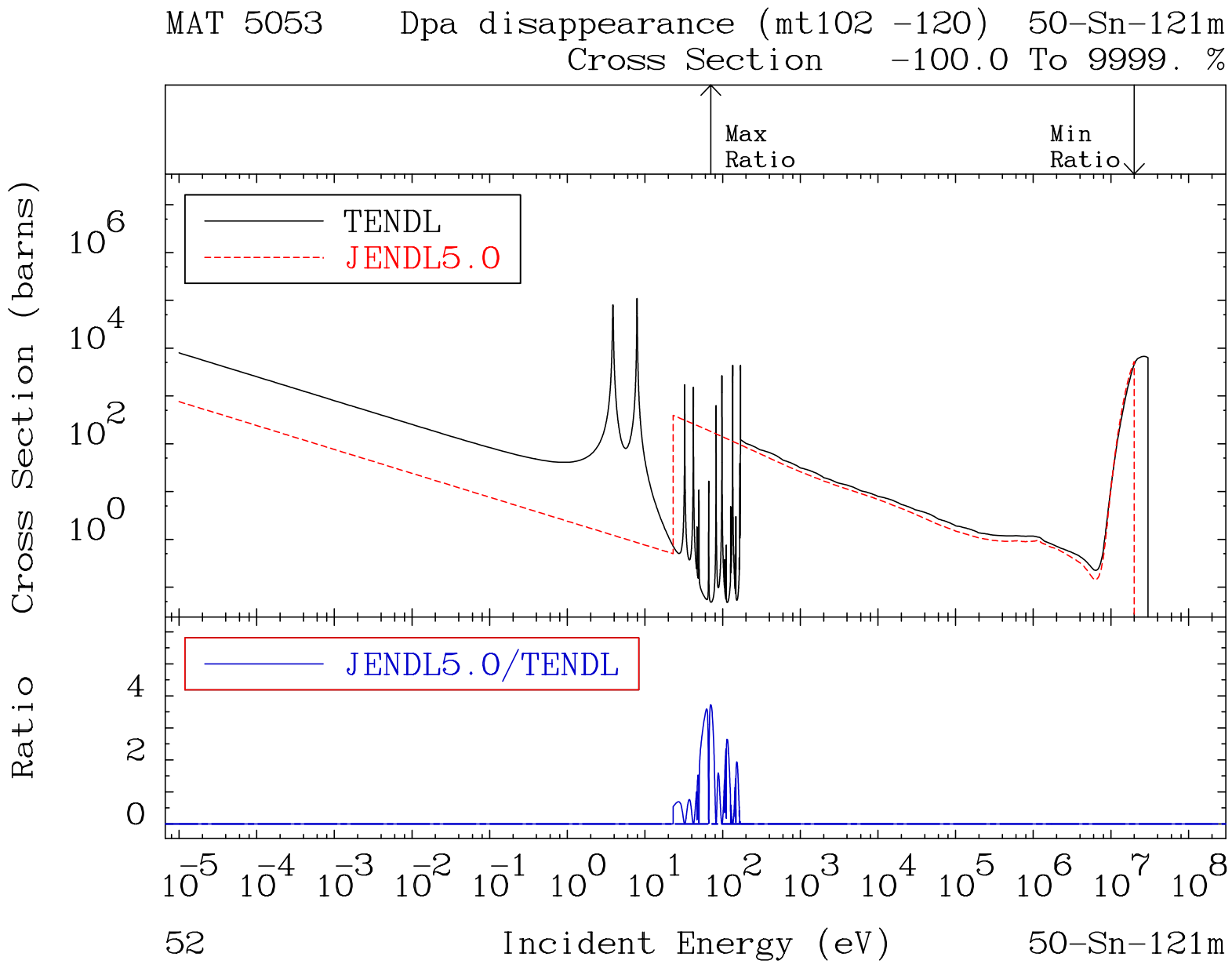

MAT 5053
Total photon (eV-barns)
50-Sn-121m
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
50-Sn-121m

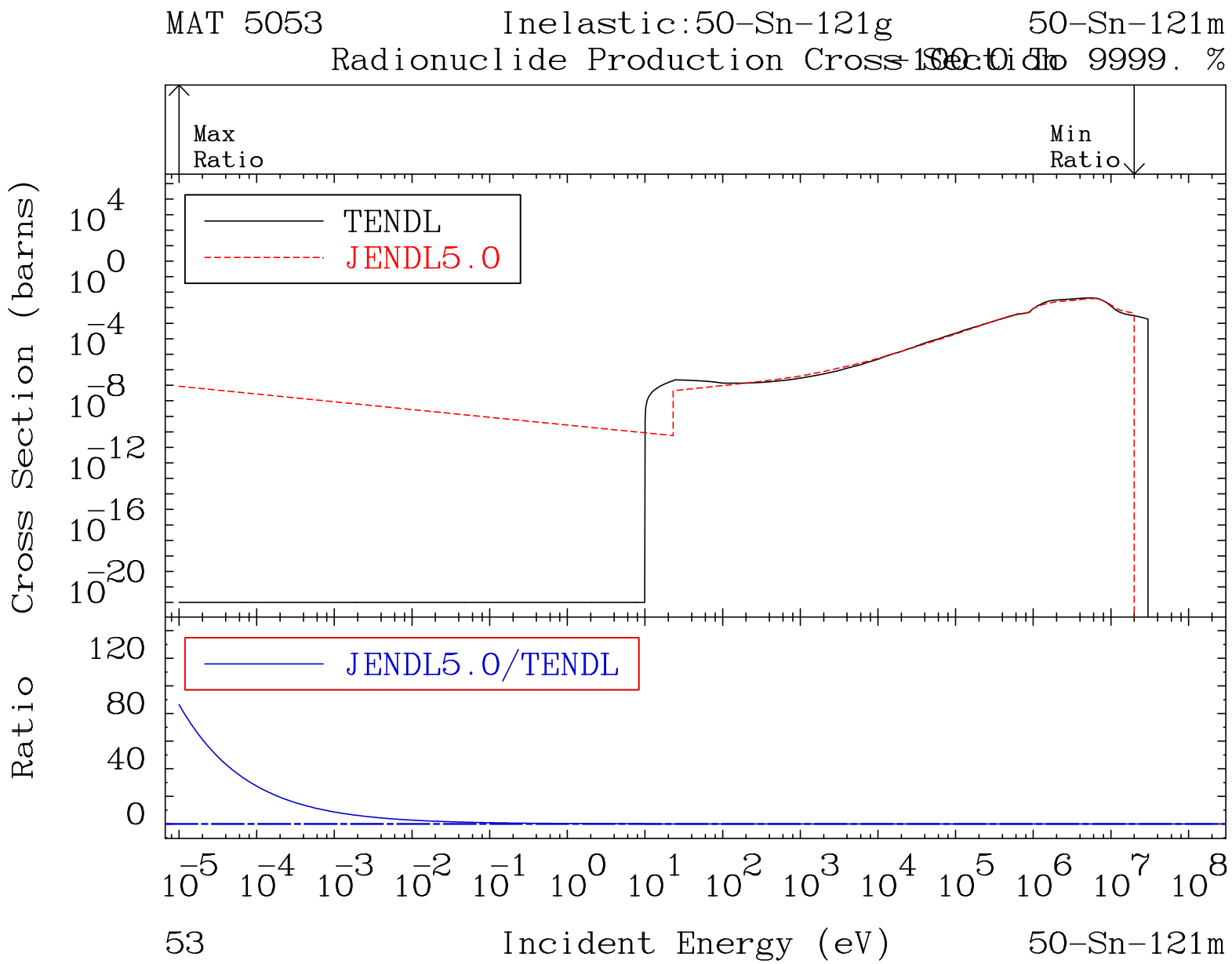

MAT 5053 Total kinematic kerma (high limit)50-Sn-121m
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
50-Sn-121m

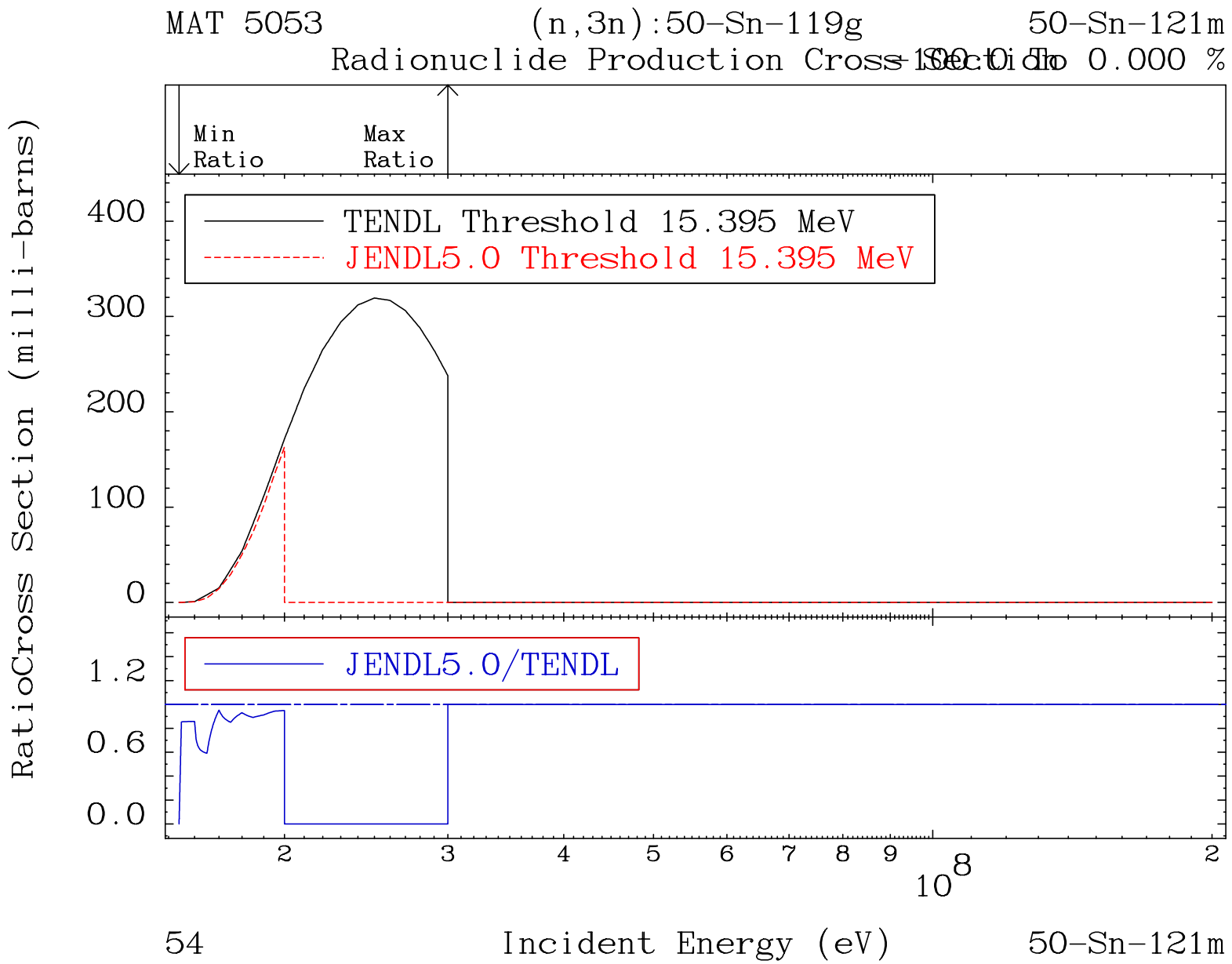

MAT 5053
Dpa total (eV-barns)
50-Sn-121m
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
49
50-Sn-121m

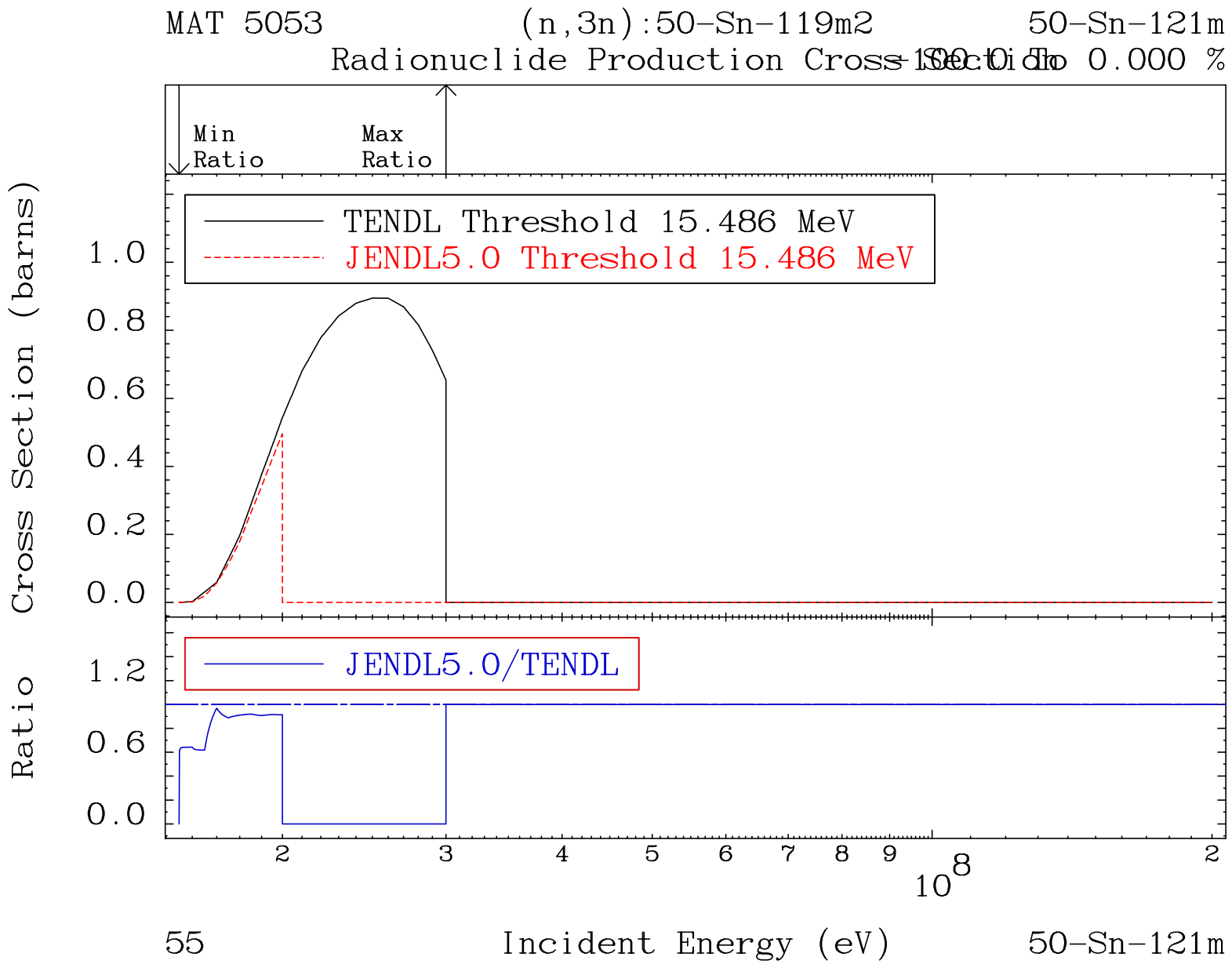

MAT 5053
Dpa elastic (mt2)
Cross Section
50-Sn-121m
-88.26 To 3.005 %
Min Ratio
Max Ratio
TENDL Threshold 820.00 eV
JENDL5.0 Threshold 750.00 eV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
50
50-Sn-121m

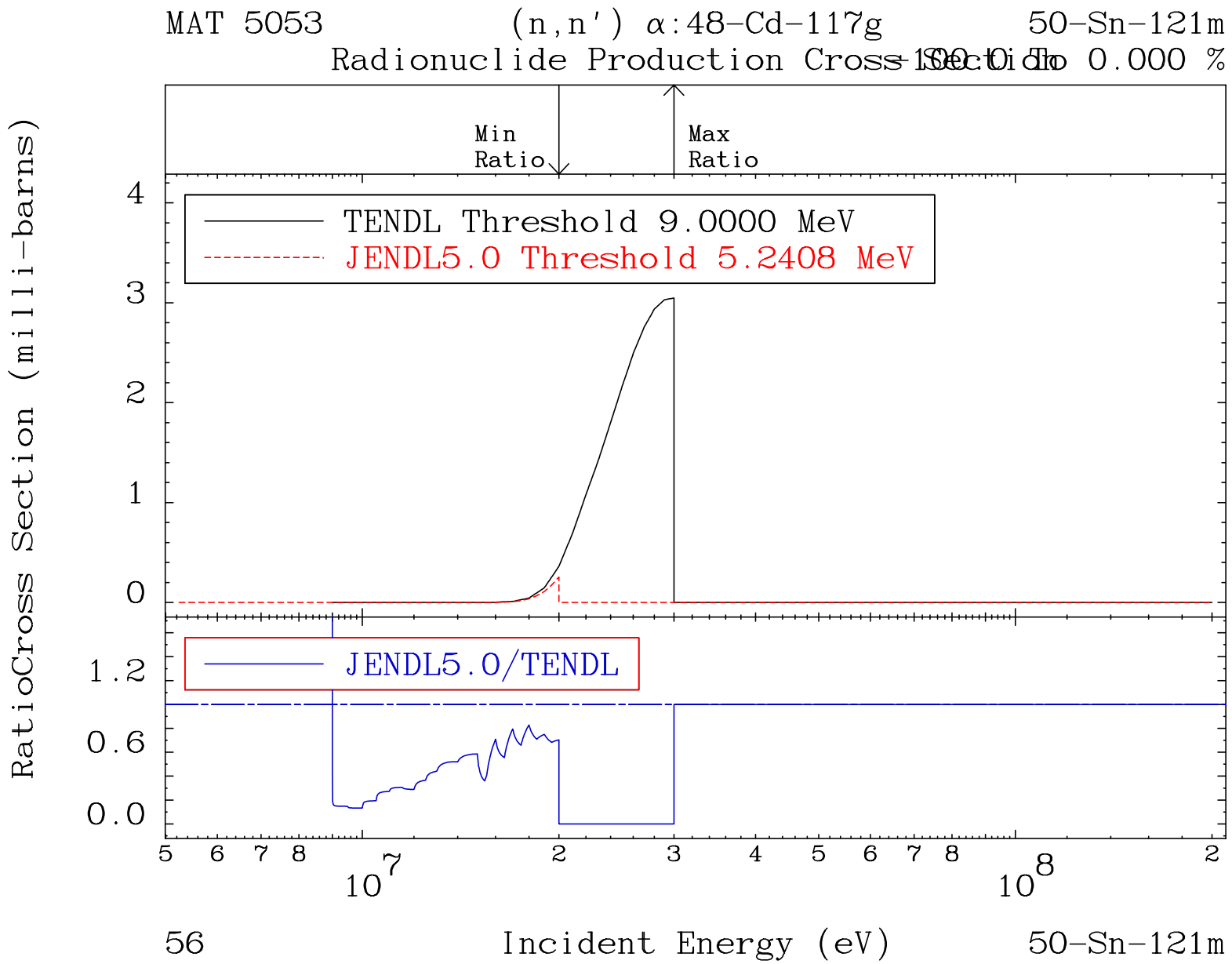

MAT 5053
Dpa inelastic (mt51-91)
50-Sn-121m
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 169.69 eV
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
10^6
10^3
10^0
10^-3
10^-6
10^-9
400
200
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
51
Incident Energy (eV)
50-Sn-121m

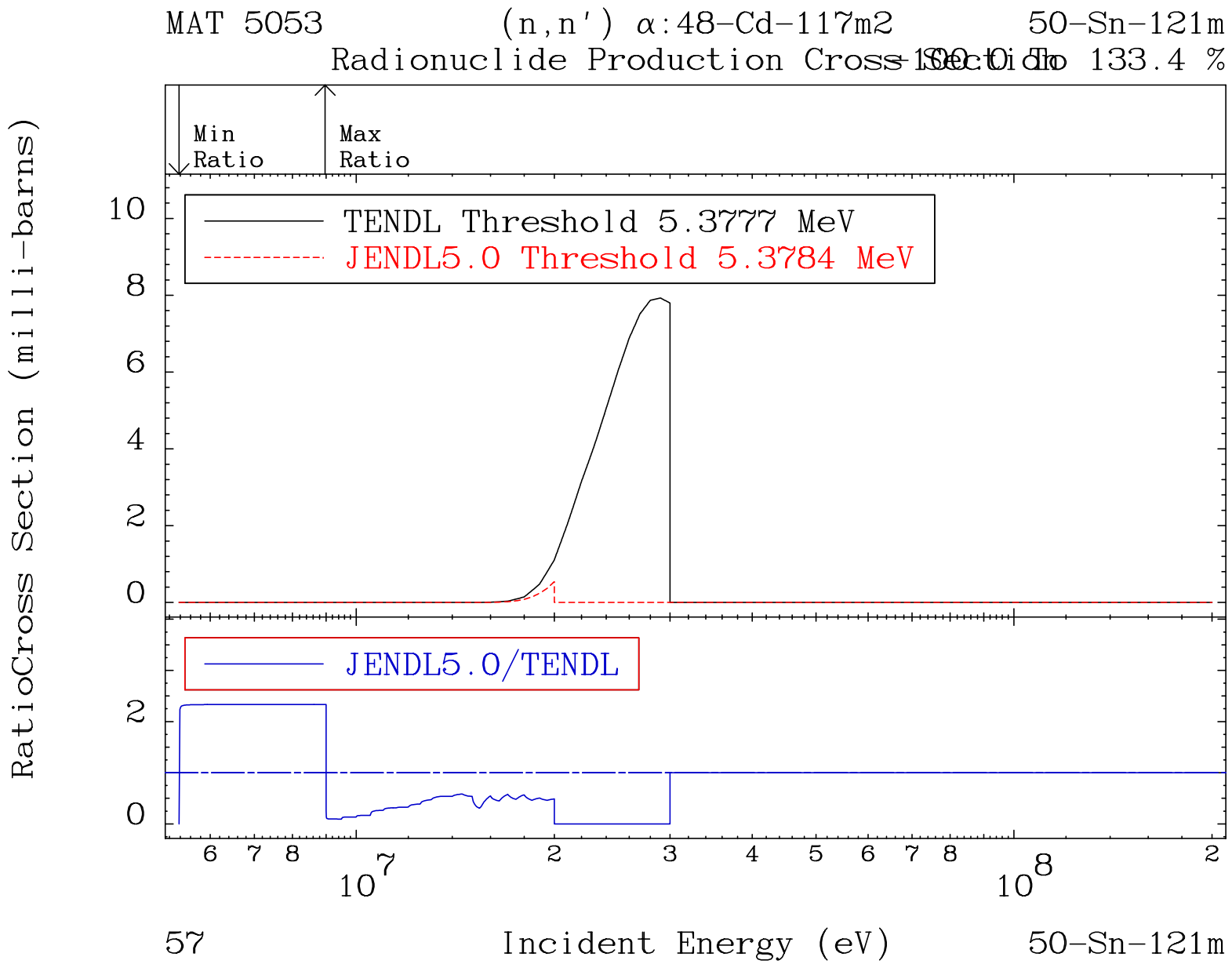

MAT 5053 Dpa disappearance (mt102 -120) 50-Sn-121m
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
52
50-Sn-121m

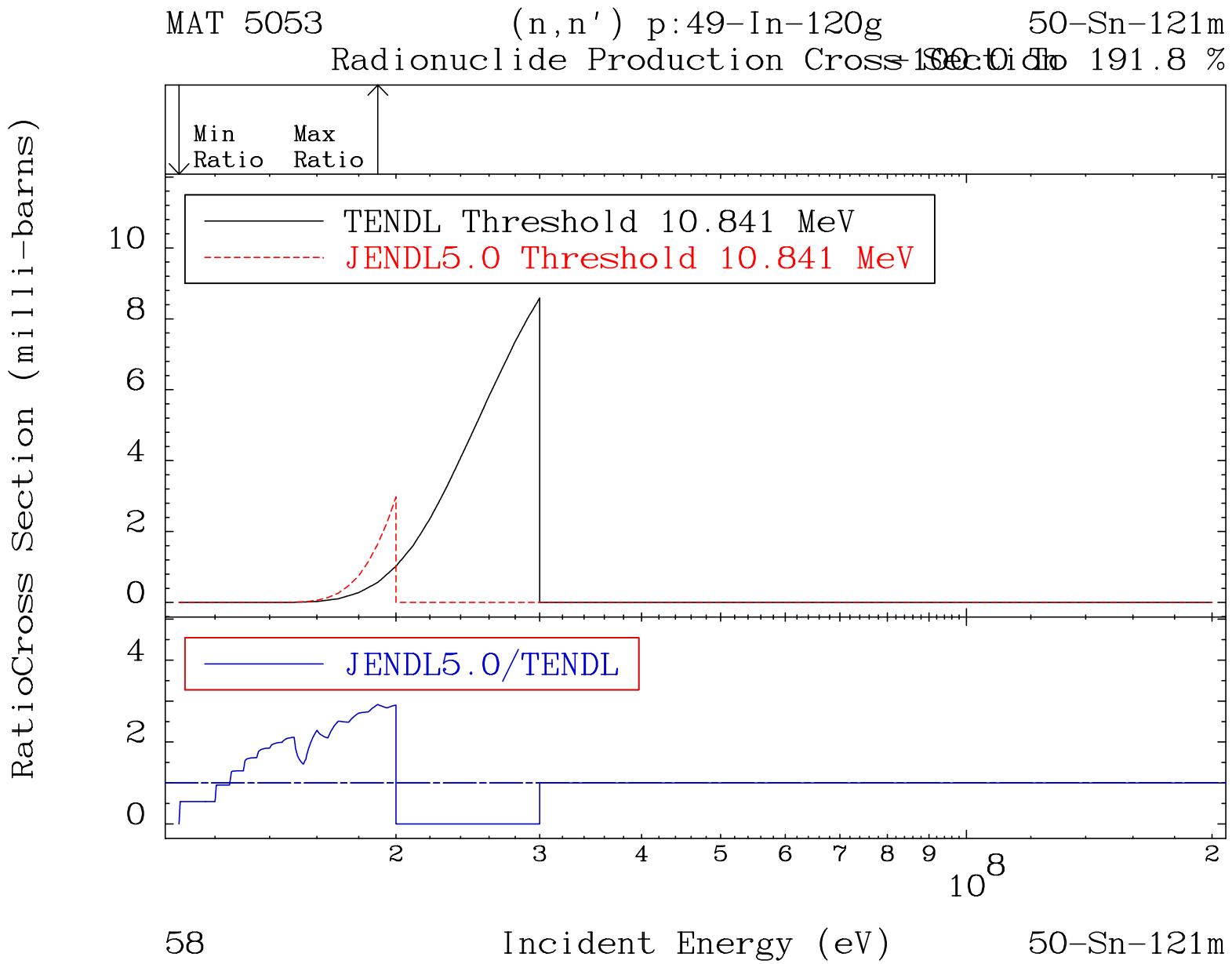

MAT 5053
Inelastic:50-Sn-121g
50-Sn-121m
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
50-Sn-121m

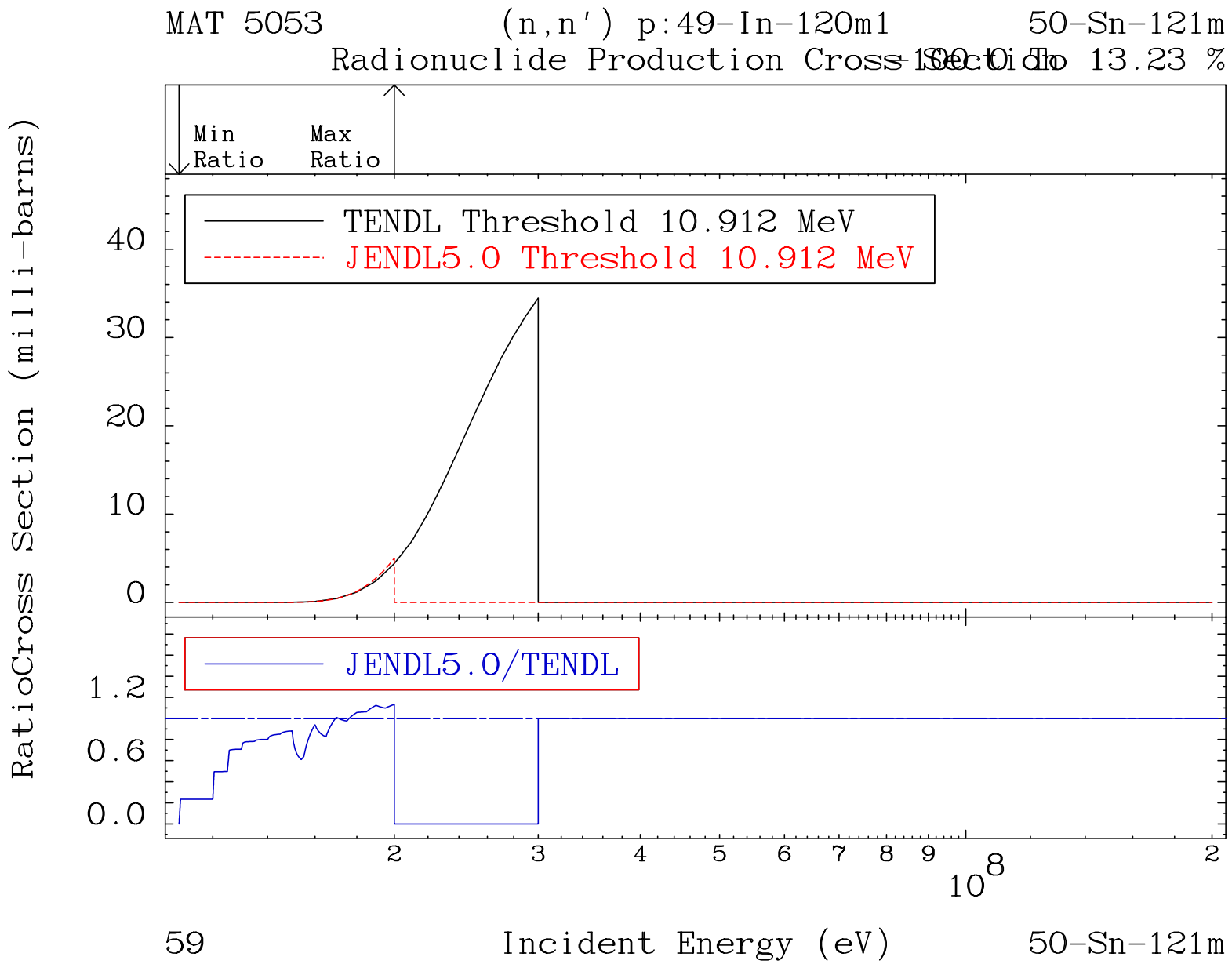

MAT 5053
(n,3n):50-Sn-119g
50-Sn-121m
Radionuclide Production Cross Section To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 15.395 MeV
JENDL5.0 Threshold 15.395 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
54
Incident Energy (eV)
50-Sn-121m

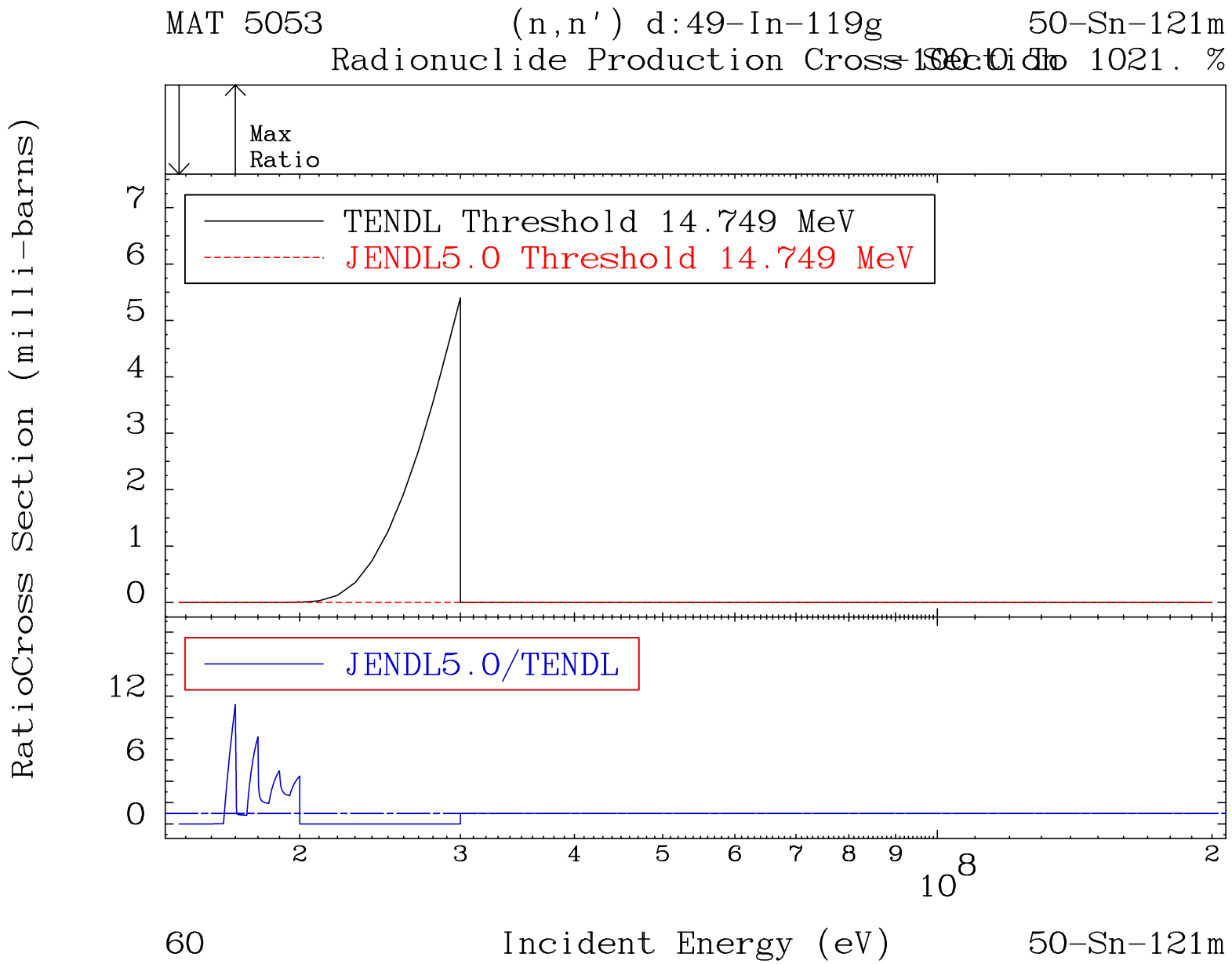

MAT 5053
(n,3n):50-Sn-119m2
50-Sn-121m
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 15.486 MeV
JENDL5.0 Threshold 15.486 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
55
Incident Energy (eV)
50-Sn-121m

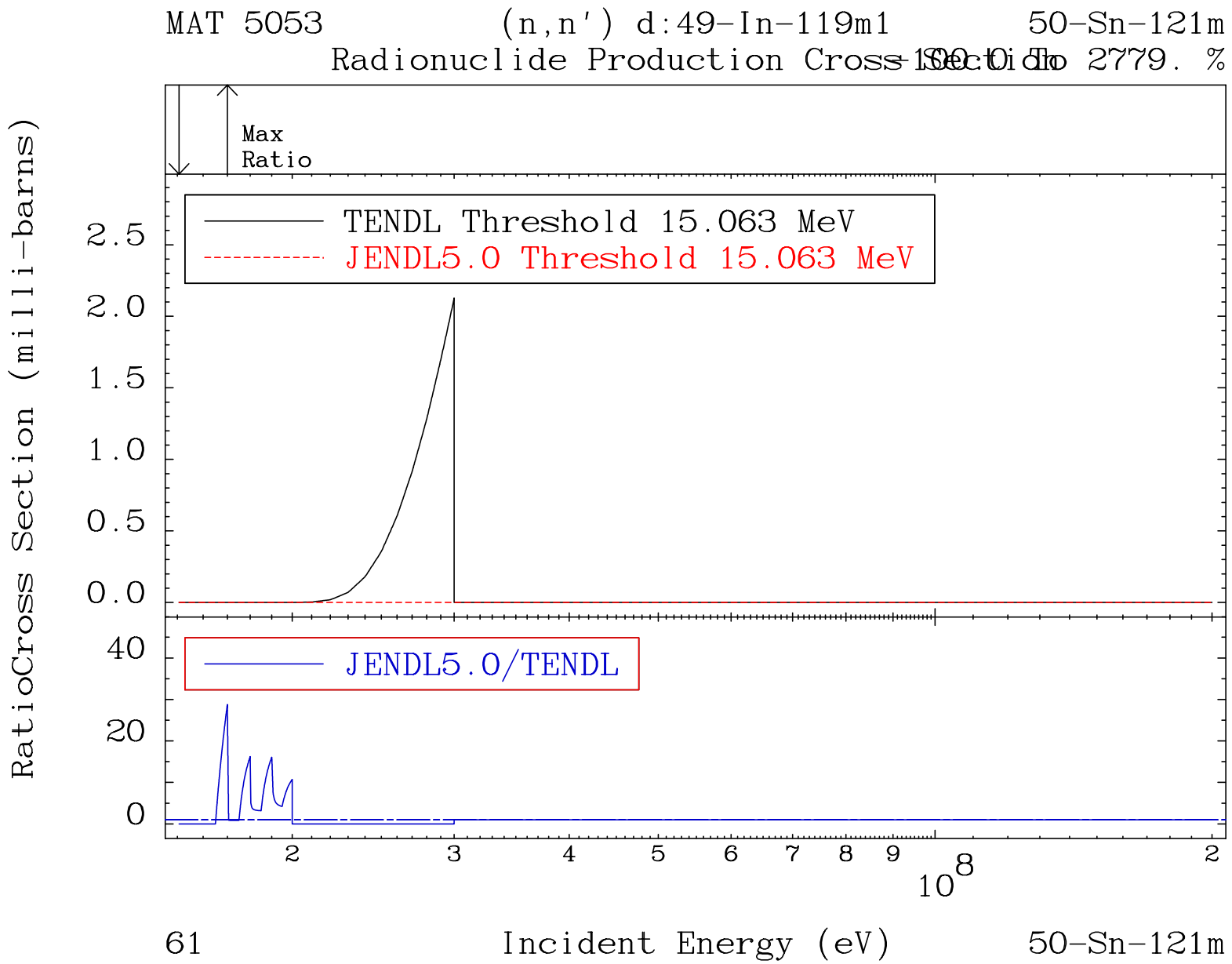

MAT 5053
(n,n') α:48-Cd-117g
50-Sn-121m
Radionuclide Production Cross Section To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 9.0000 MeV
JENDL5.0 Threshold 5.2408 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
56
50-Sn-121m

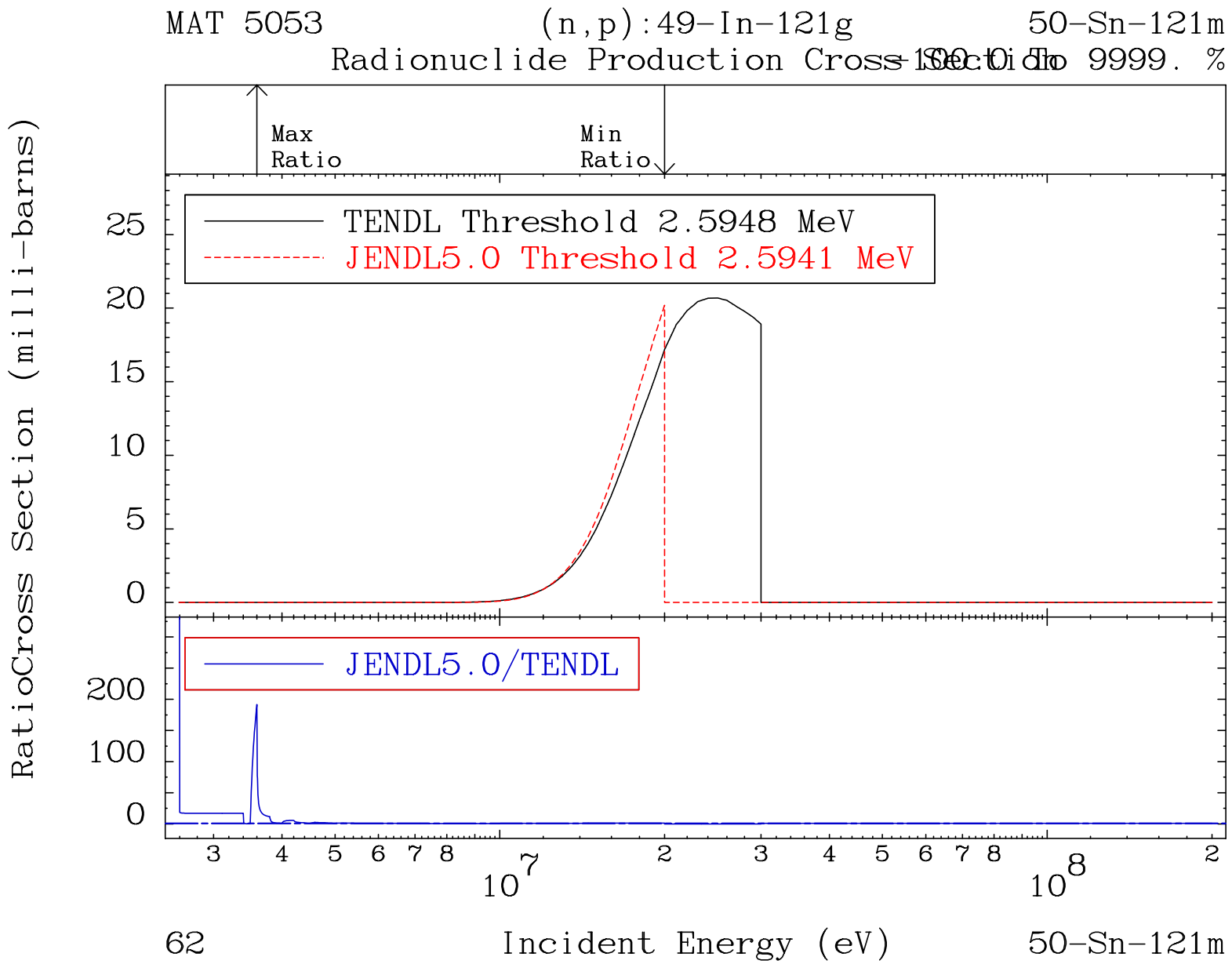

MAT 5053
(n,n') α:48-Cd-117m2
50-Sn-121m
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 5.3777 MeV
JENDL5.0 Threshold 5.3784 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
57
50-Sn-121m

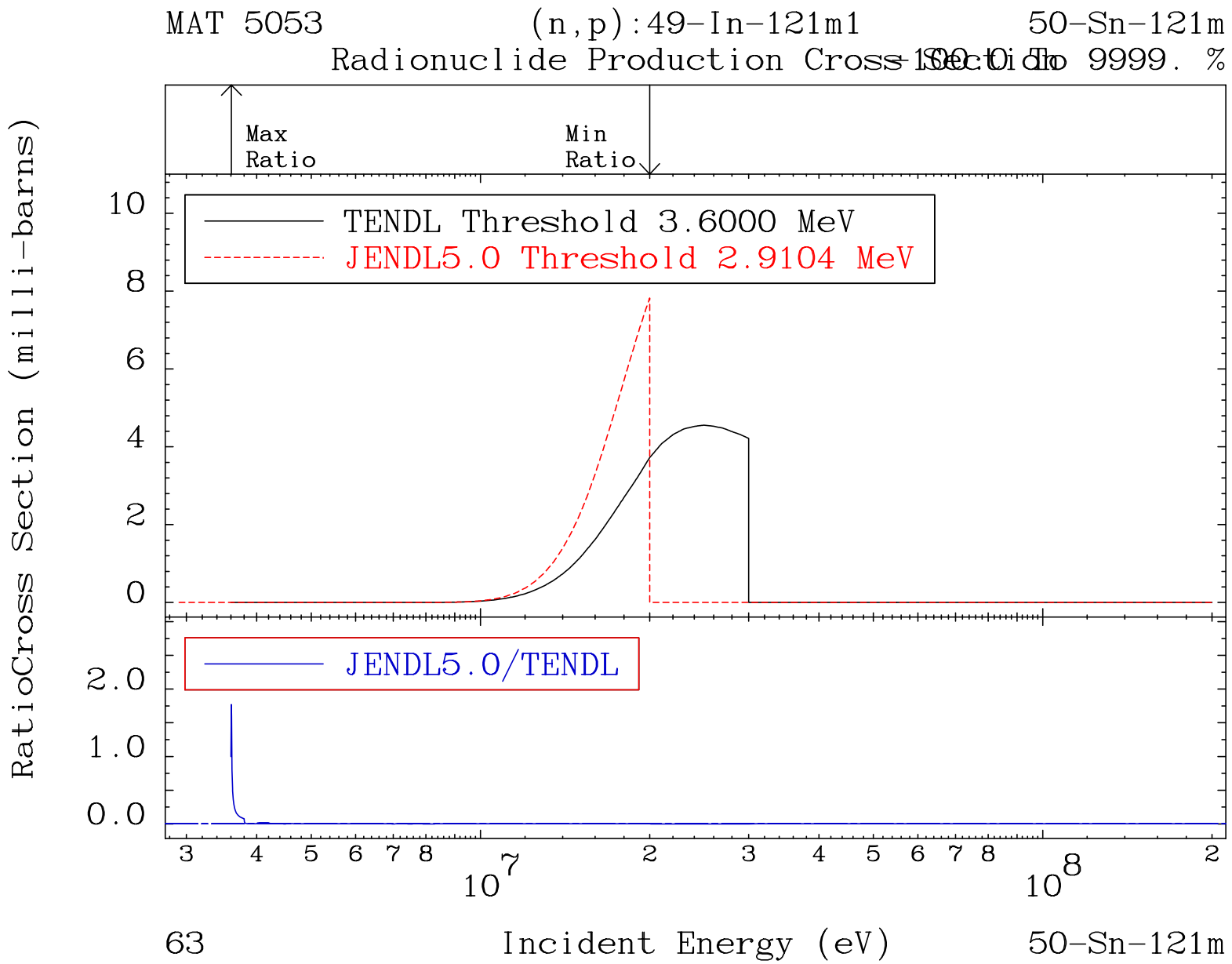

MAT 5053
(n,n') p:49-In-120g
50-Sn-121m
Radionuclide Production Cross Section To 191.8 %
Min Ratio
Max Ratio
TENDL Threshold 10.841 MeV
JENDL5.0 Threshold 10.841 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
58
50-Sn-121m

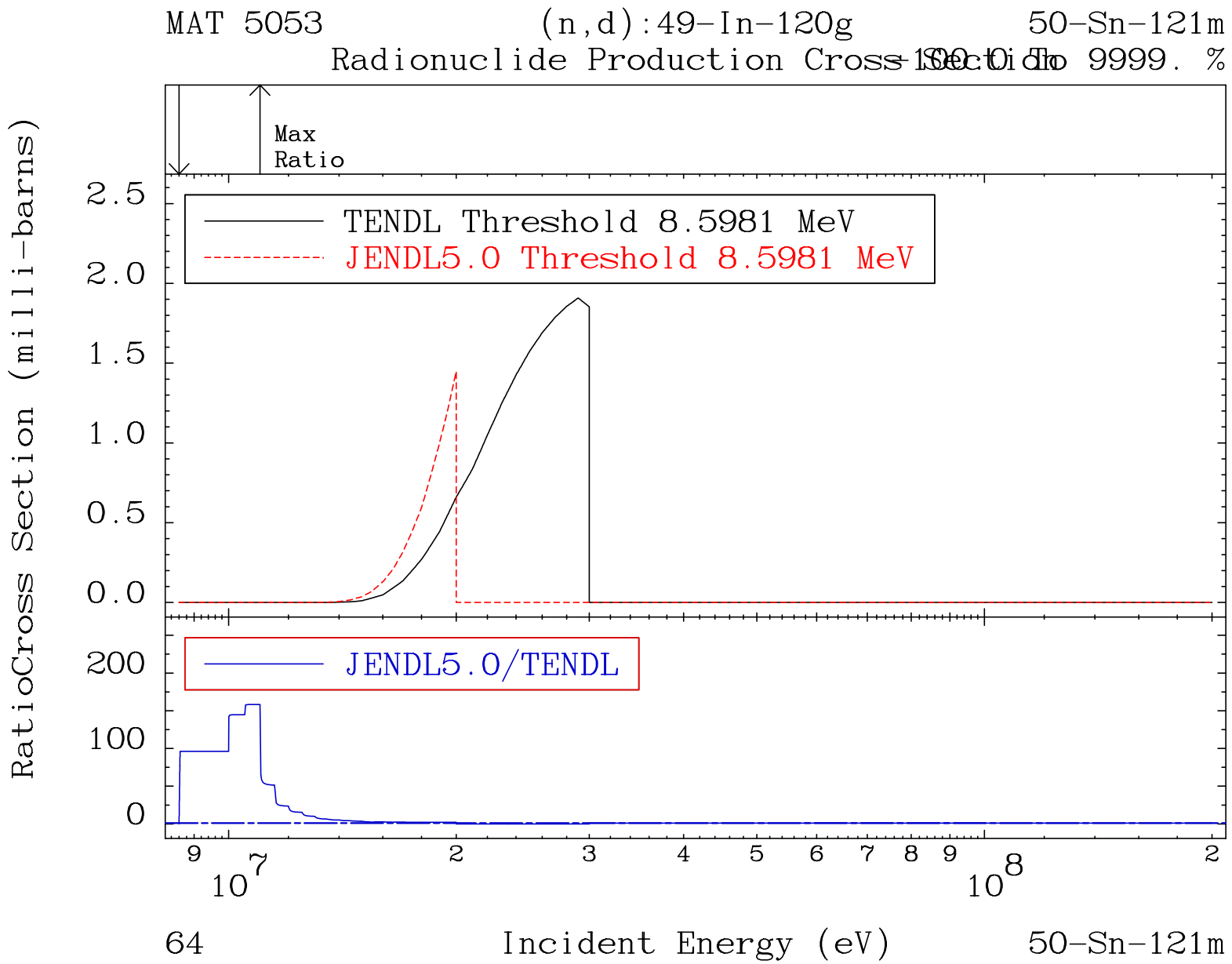

MAT 5053
(n,n') p:49-In-120m1
50-Sn-121m
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 10.912 MeV
JENDL5.0 Threshold 10.912 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
59
50-Sn-121m

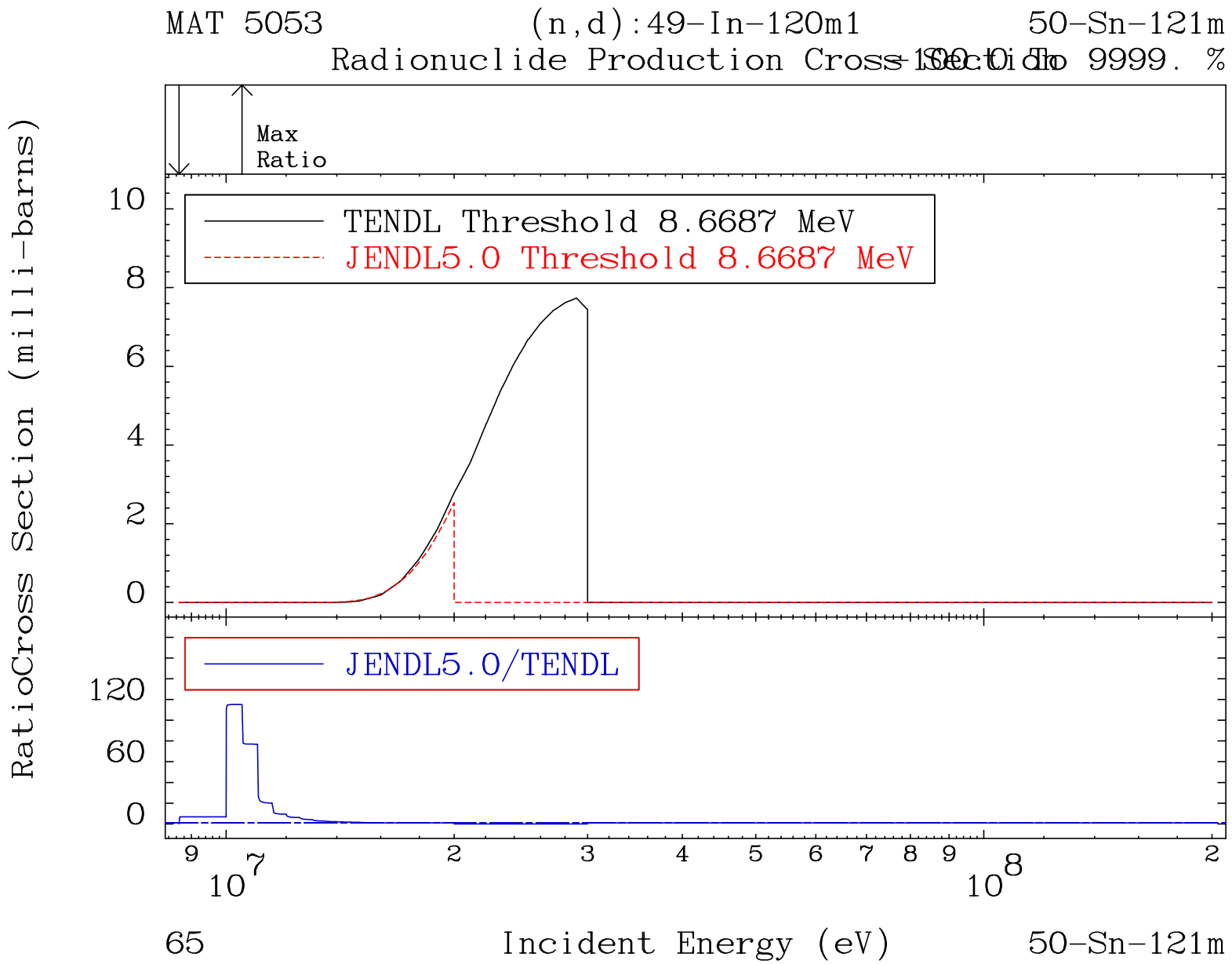

MAT 5053
(n,n') d:49-In-119g
50-Sn-121m
Radionuclide Production Cross Section To 1021. %
Max
Ratio
TENDL Threshold 14.749 MeV
JENDL5.0 Threshold 14.749 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
60
50-Sn-121m

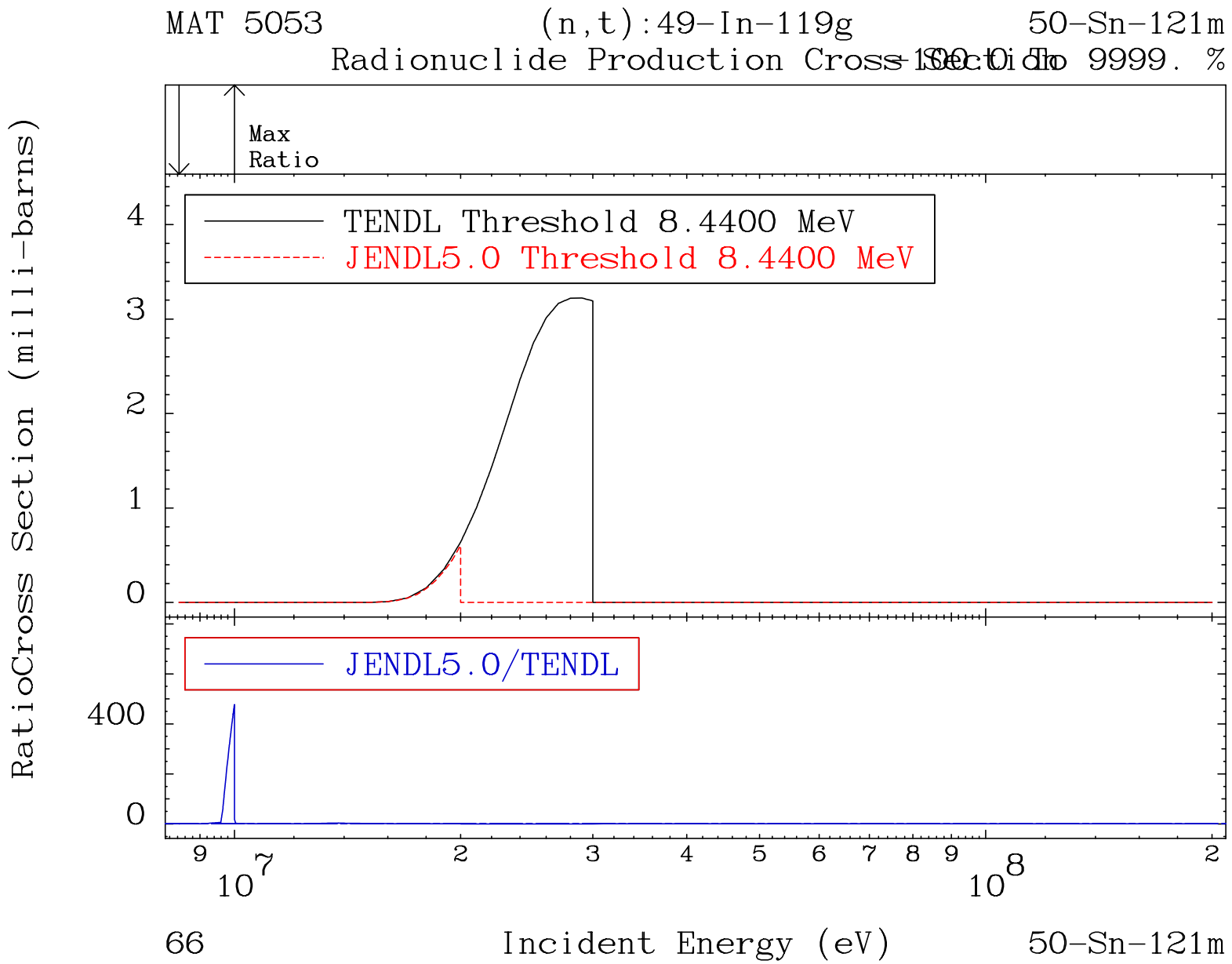

MAT 5053 (n,n') d:49-In-119m1 50-Sn-121m
Radionuclide Production Cross Section To 2779. %
Max
Ratio
TENDL Threshold 15.063 MeV
JENDL5.0 Threshold 15.063 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
40
20
0
2
3
4
5
6
7
8
9
10^8
2
61
Incident Energy (eV)
50-Sn-121m

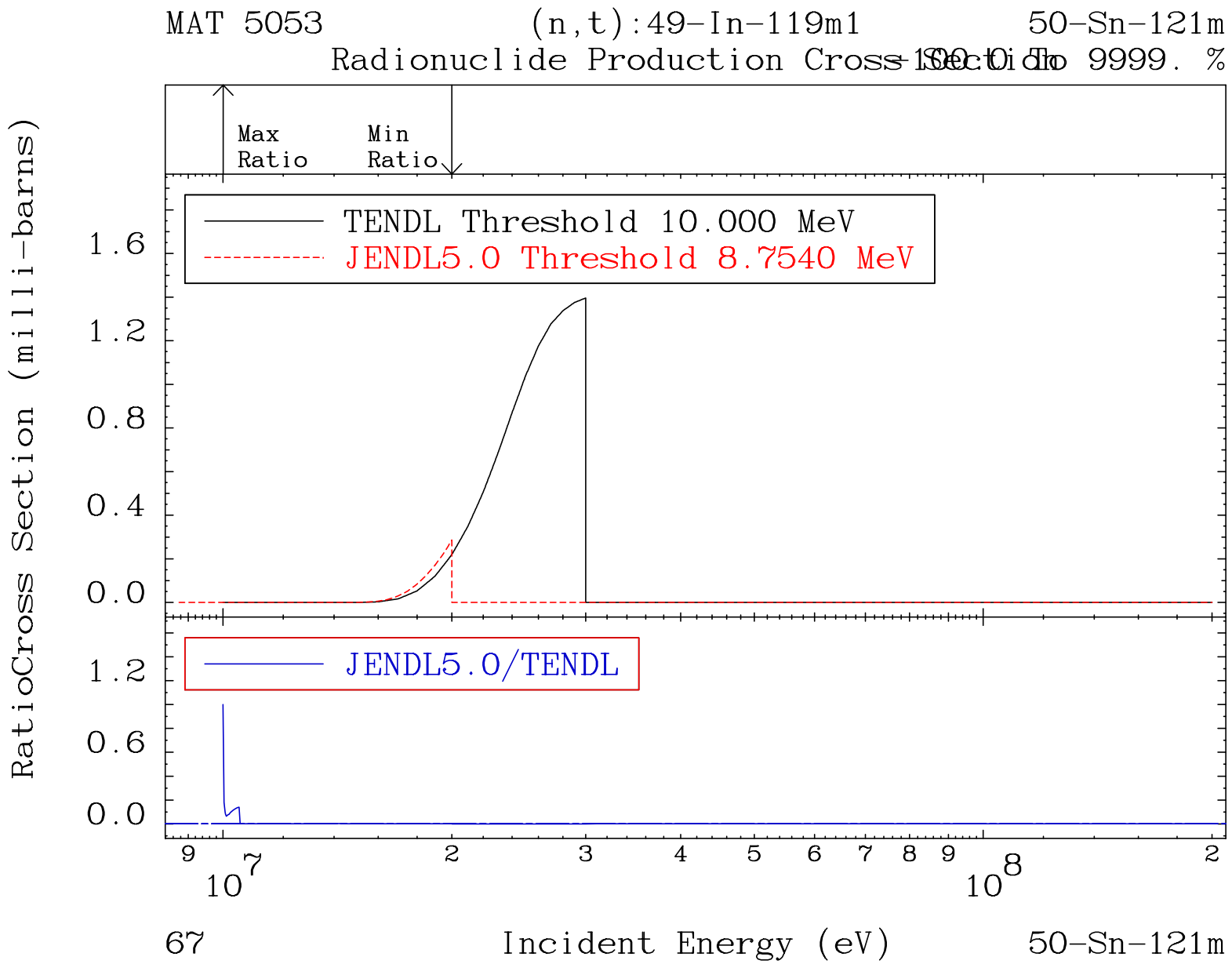

MAT 5053
(n,p):49-In-121g
50-Sn-121m
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.5948 MeV
JENDL5.0 Threshold 2.5941 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
200
100
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
62
Incident Energy (eV)
50-Sn-121m

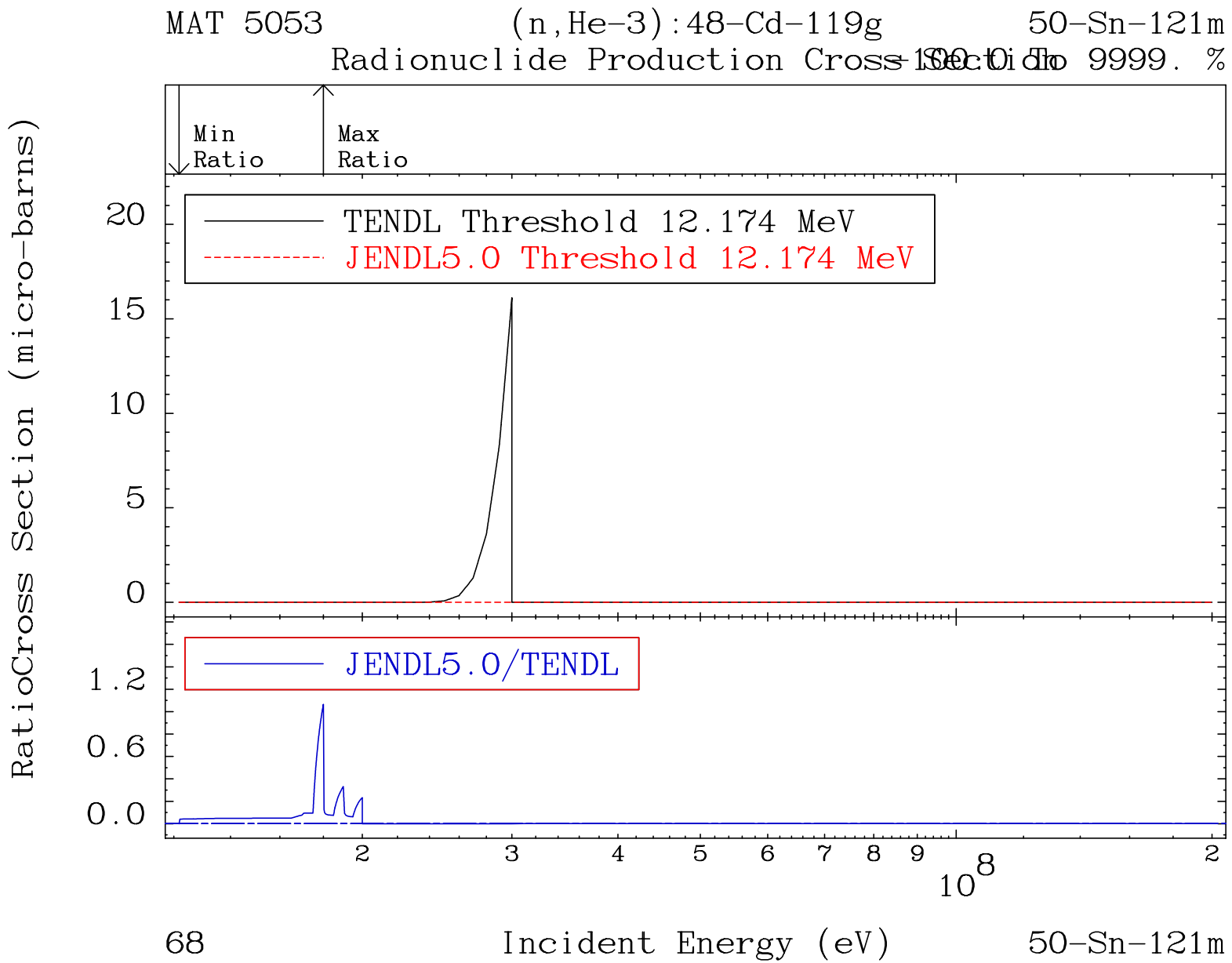

MAT 5053
(n,p):49-In-121m1
50-Sn-121m
Radionuclide Production Cross Section
100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.6000 MeV
JENDL5.0 Threshold 2.9104 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
63
Incident Energy (eV)
50-Sn-121m

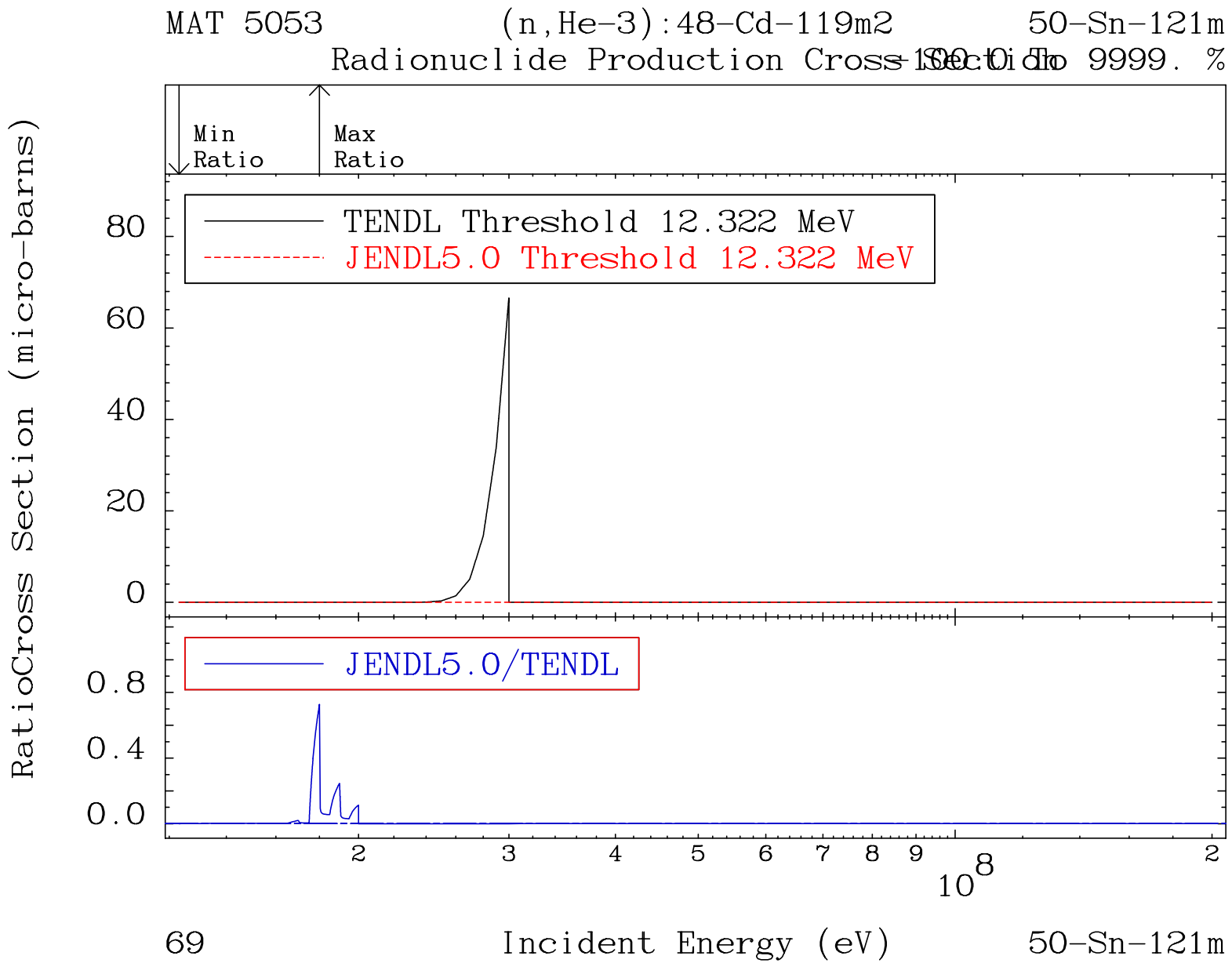

MAT 5053
(n,d):49-In-120g
50-Sn-121m
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 8.5981 MeV
JENDL5.0 Threshold 8.5981 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
200
100
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
64
Incident Energy (eV)
50-Sn-121m


MAT 5053
(n,d):49-In-120m1
50-Sn-121m
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 8.6687 MeV
JENDL5.0 Threshold 8.6687 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
65
50-Sn-121m


MAT 5053
(n,t):49-In-119g
50-Sn-121m
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 8.4400 MeV
JENDL5.0 Threshold 8.4400 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
400
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
66
Incident Energy (eV)
50-Sn-121m


MAT 5053
(n,t):49-In-119m1
50-Sn-121m
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 10.000 MeV
JENDL5.0 Threshold 8.7540 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
1.2
0.6
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
67
Incident Energy (eV)
50-Sn-121m


MAT 5053
(n,He-3):48-Cd-119g
50-Sn-121m
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 12.174 MeV
JENDL5.0 Threshold 12.174 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
20
15
10
5
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
68
Incident Energy (eV)
50-Sn-121m


MAT 5053
(n,He-3):48-Cd-119m2
50-Sn-121m
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 12.322 MeV
JENDL5.0 Threshold 12.322 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
80
60
40
20
0
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
69
Incident Energy (eV)
50-Sn-121m