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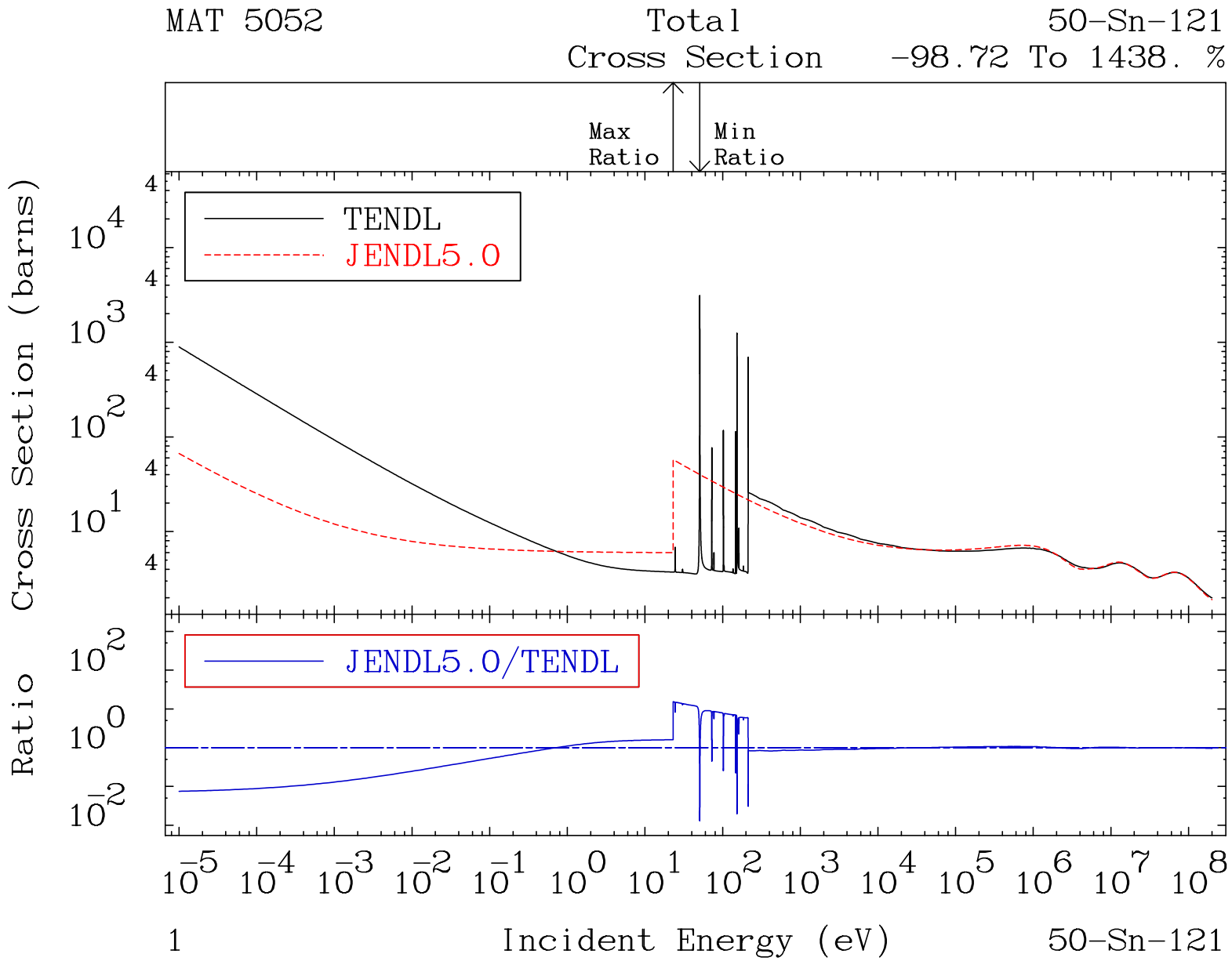
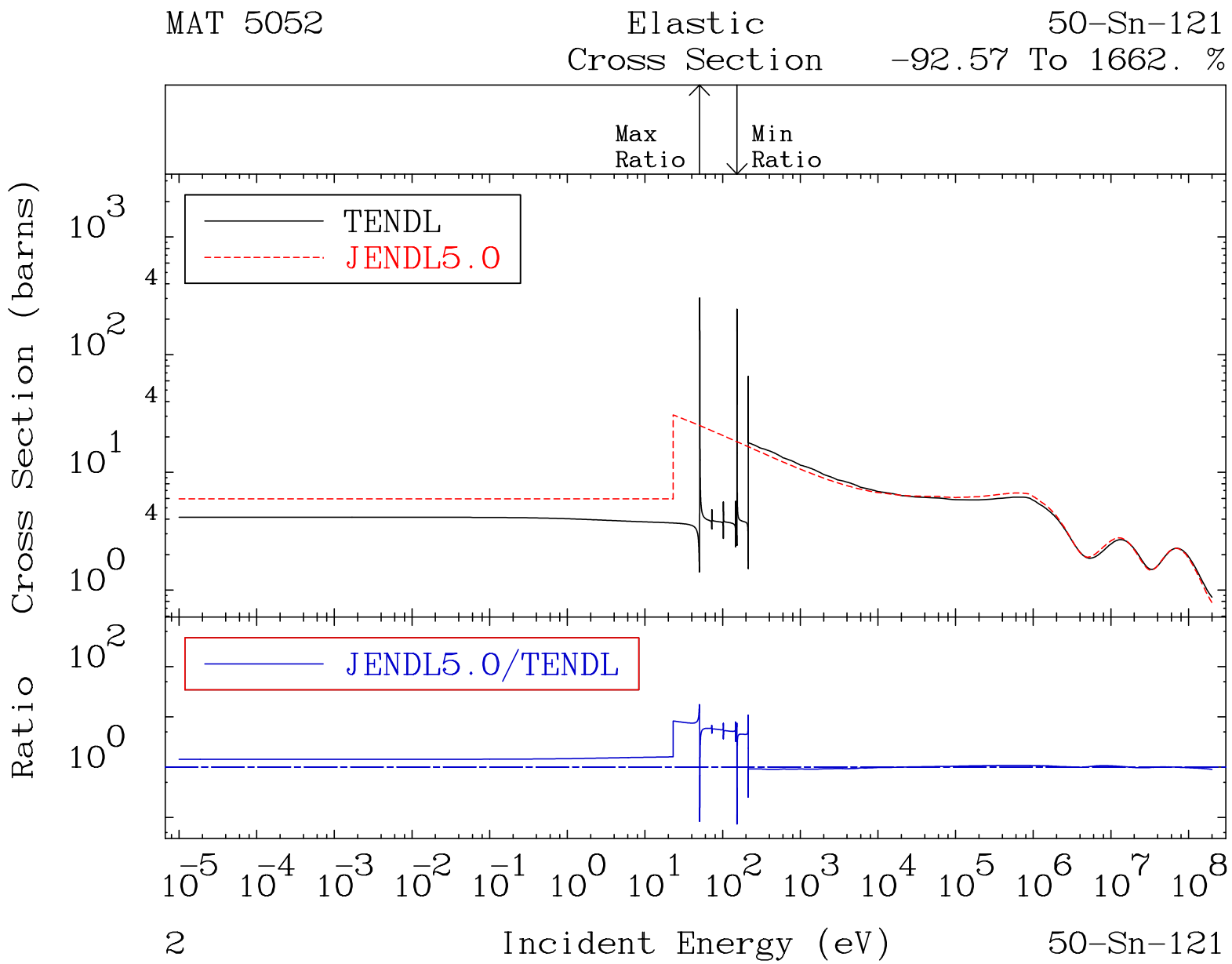
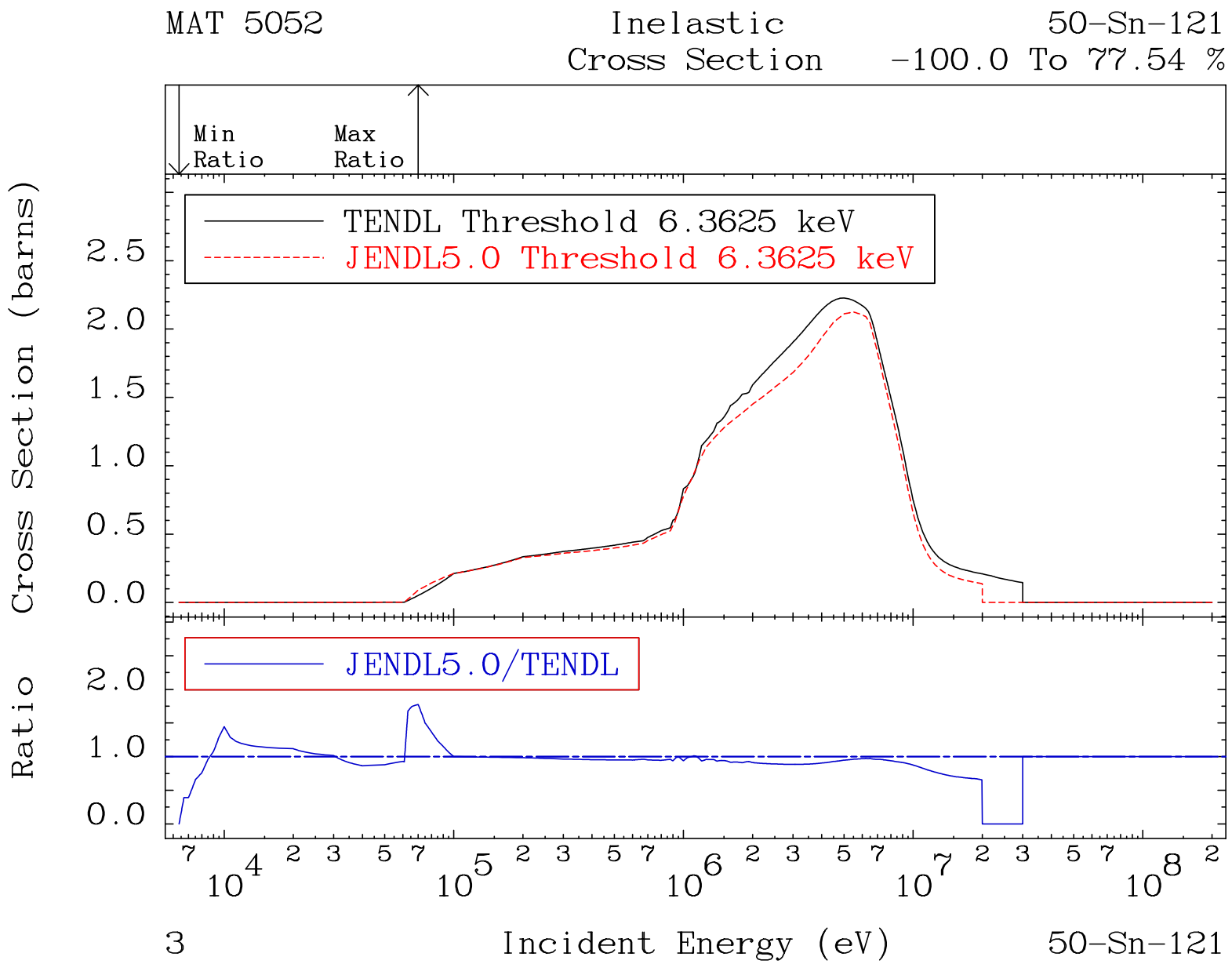
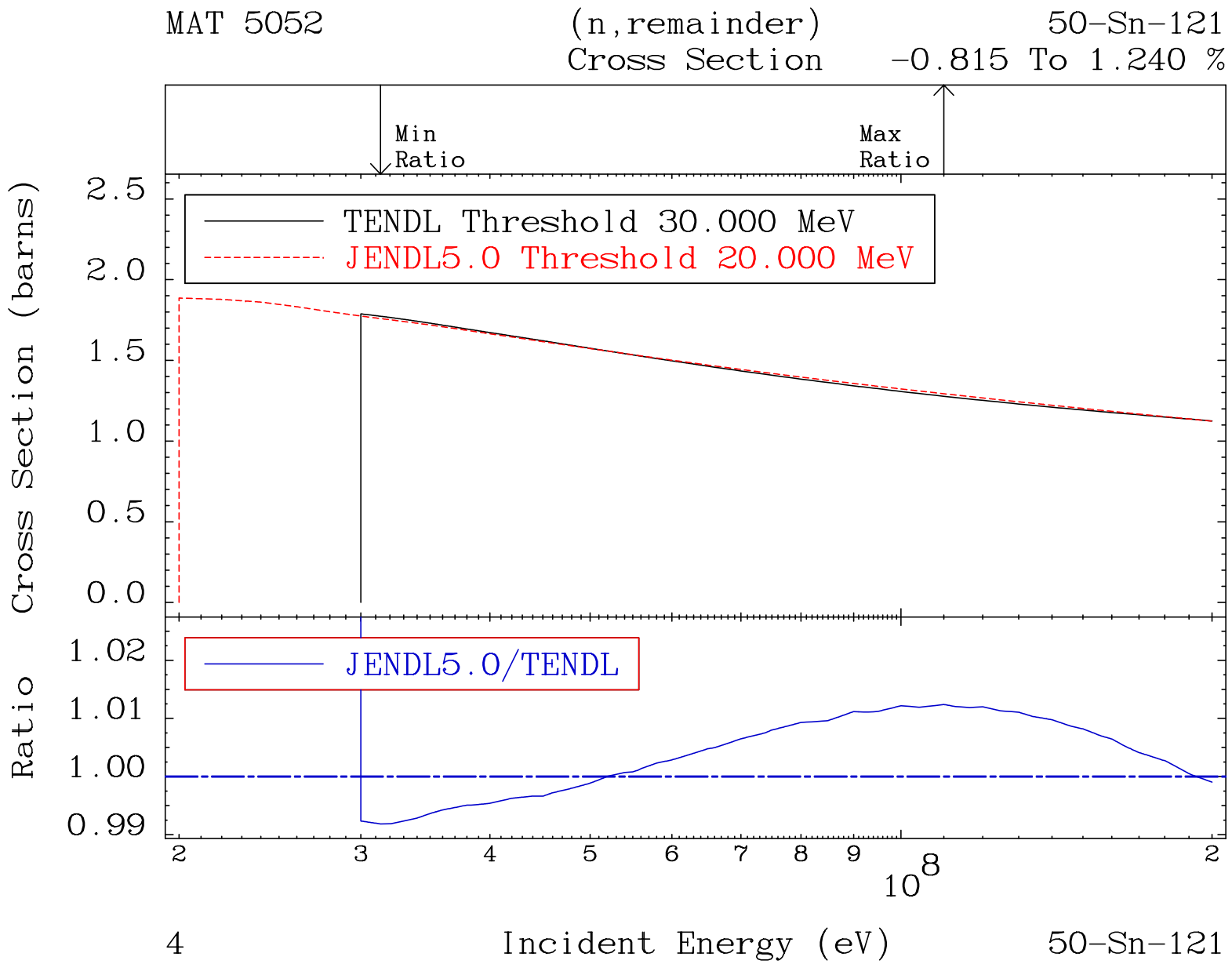
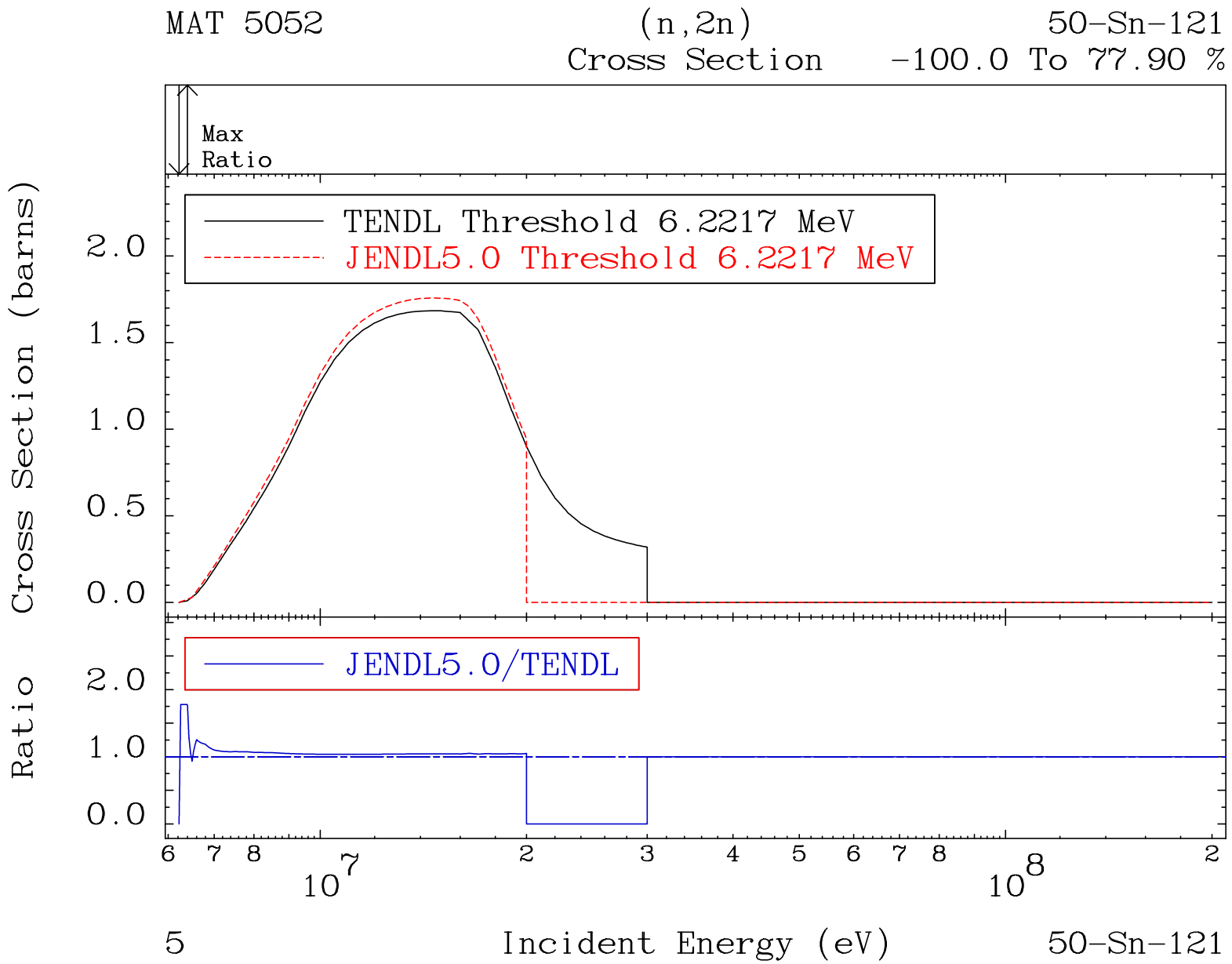
Press Mouse Button to Start

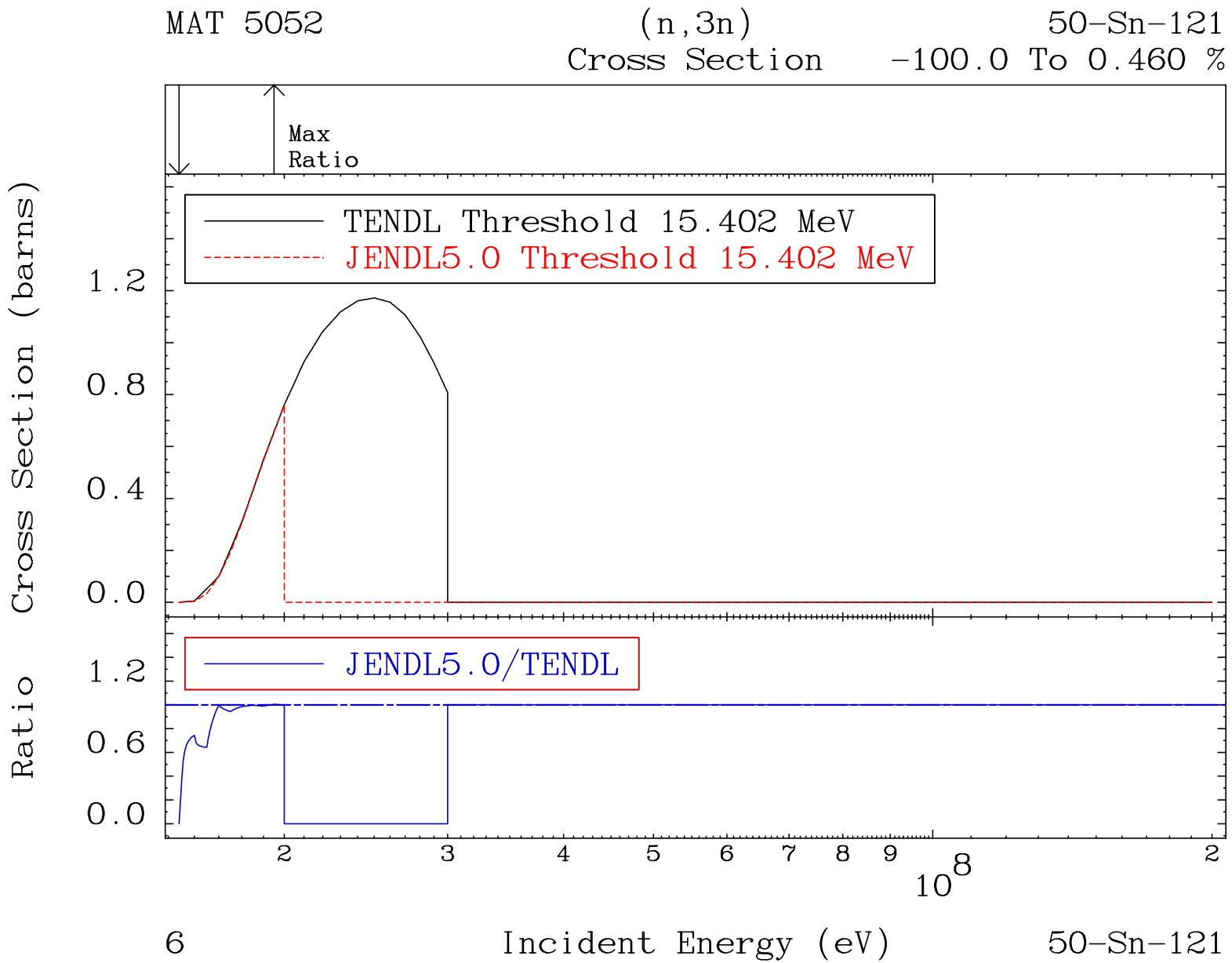

MAT 5052
Total
Cross Section
50-Sn-121
-98.72 To 1438. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
50-Sn-121

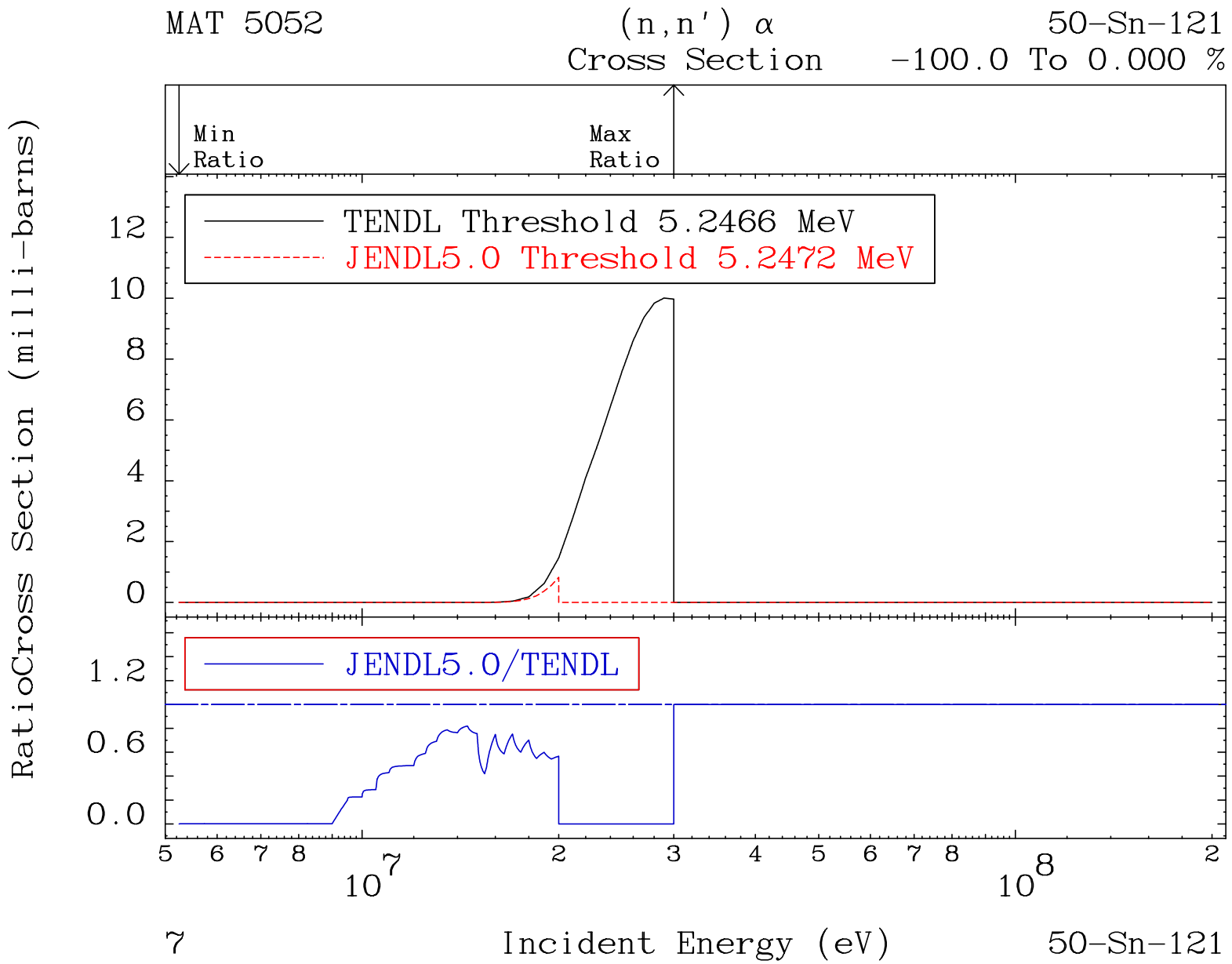

MAT 5052
Elastic
Cross Section
50-Sn-121
-92.57 To 1662. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
50-Sn-121

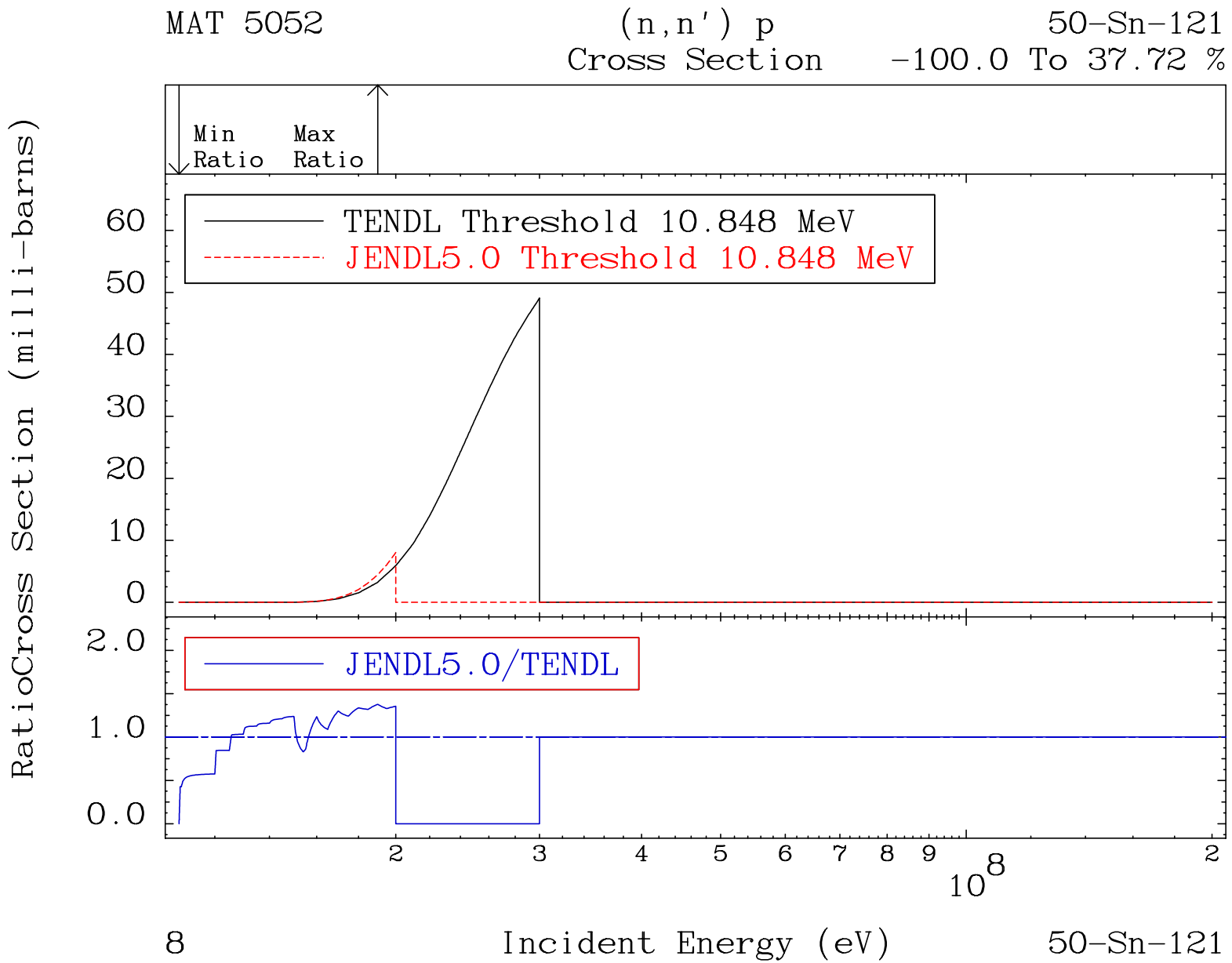

MAT 5052
Inelastic
Cross Section
50-Sn-121
-100.0 To 77.54 %
Min Ratio
Max Ratio
TENDL Threshold 6.3625 keV
JENDL5.0 Threshold 6.3625 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
50-Sn-121

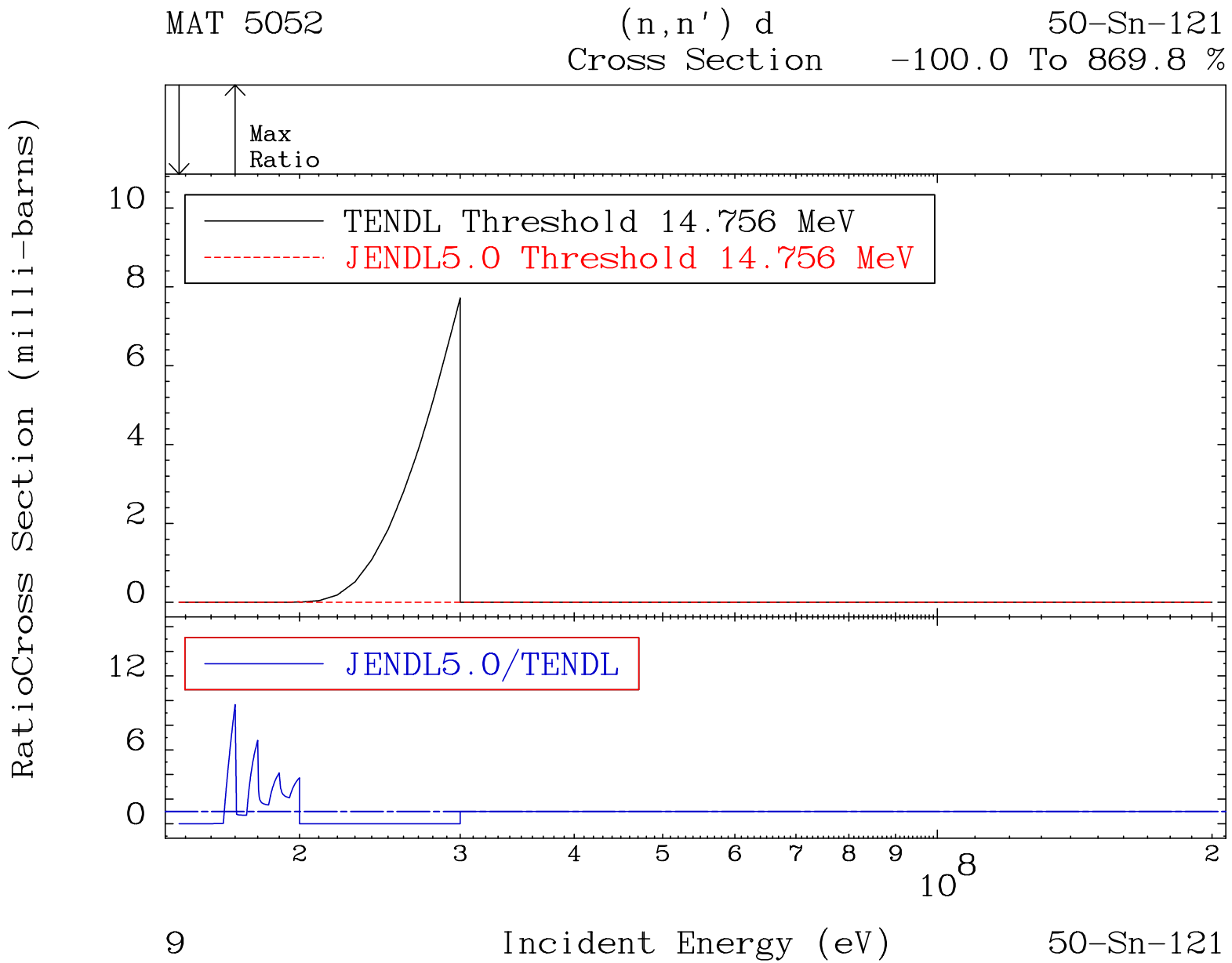

MAT 5052
(n,remainder)
Cross Section
50-Sn-121
-0.815 To 1.240 %
Min Ratio
Max Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.02
1.01
1.00
0.99
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
50-Sn-121

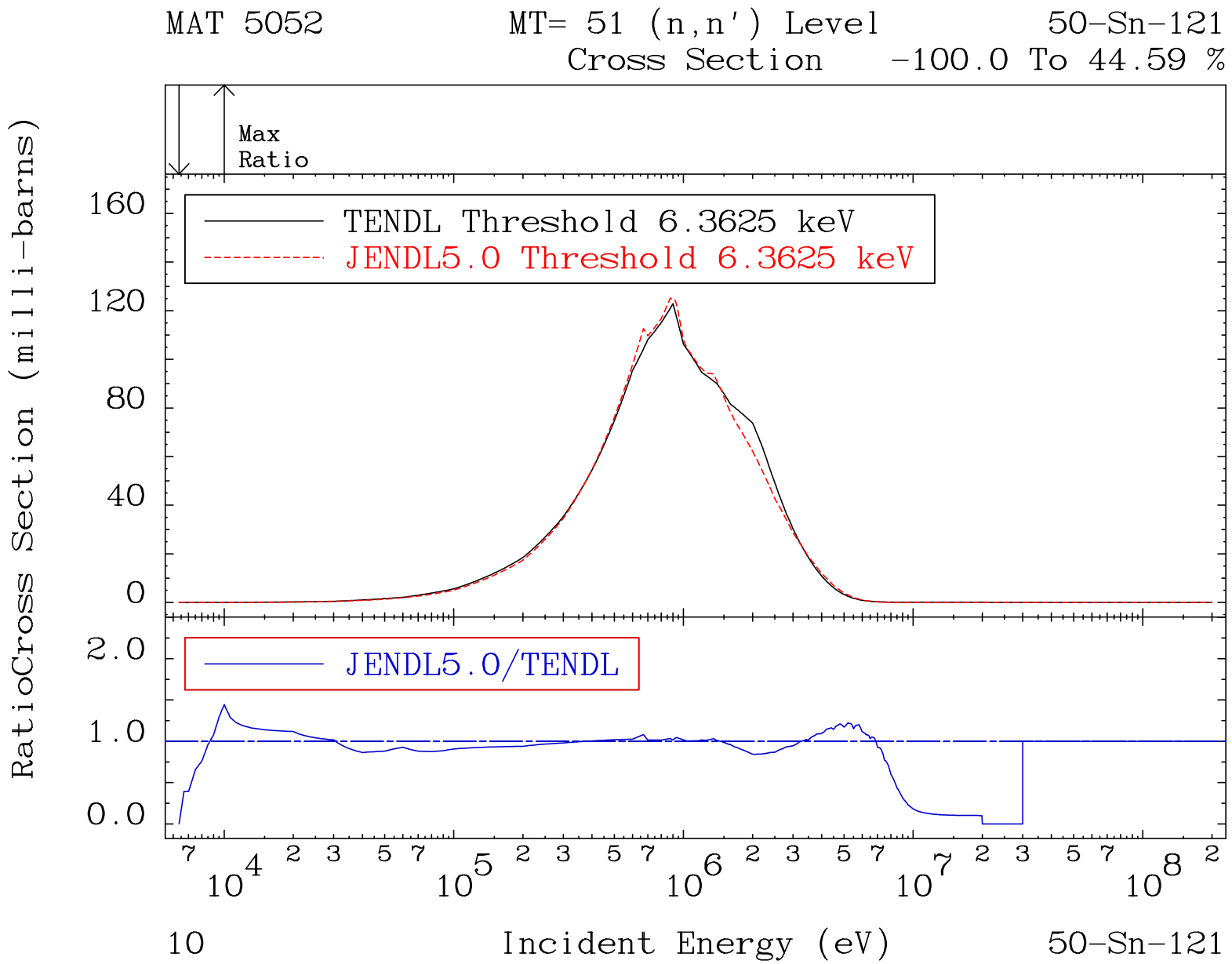

MAT 5052
(n,2n)
Cross Section
50-Sn-121
-100.0 To 77.90 %
Max
Ratio
TENDL Threshold 6.2217 MeV
JENDL5.0 Threshold 6.2217 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
5
50-Sn-121

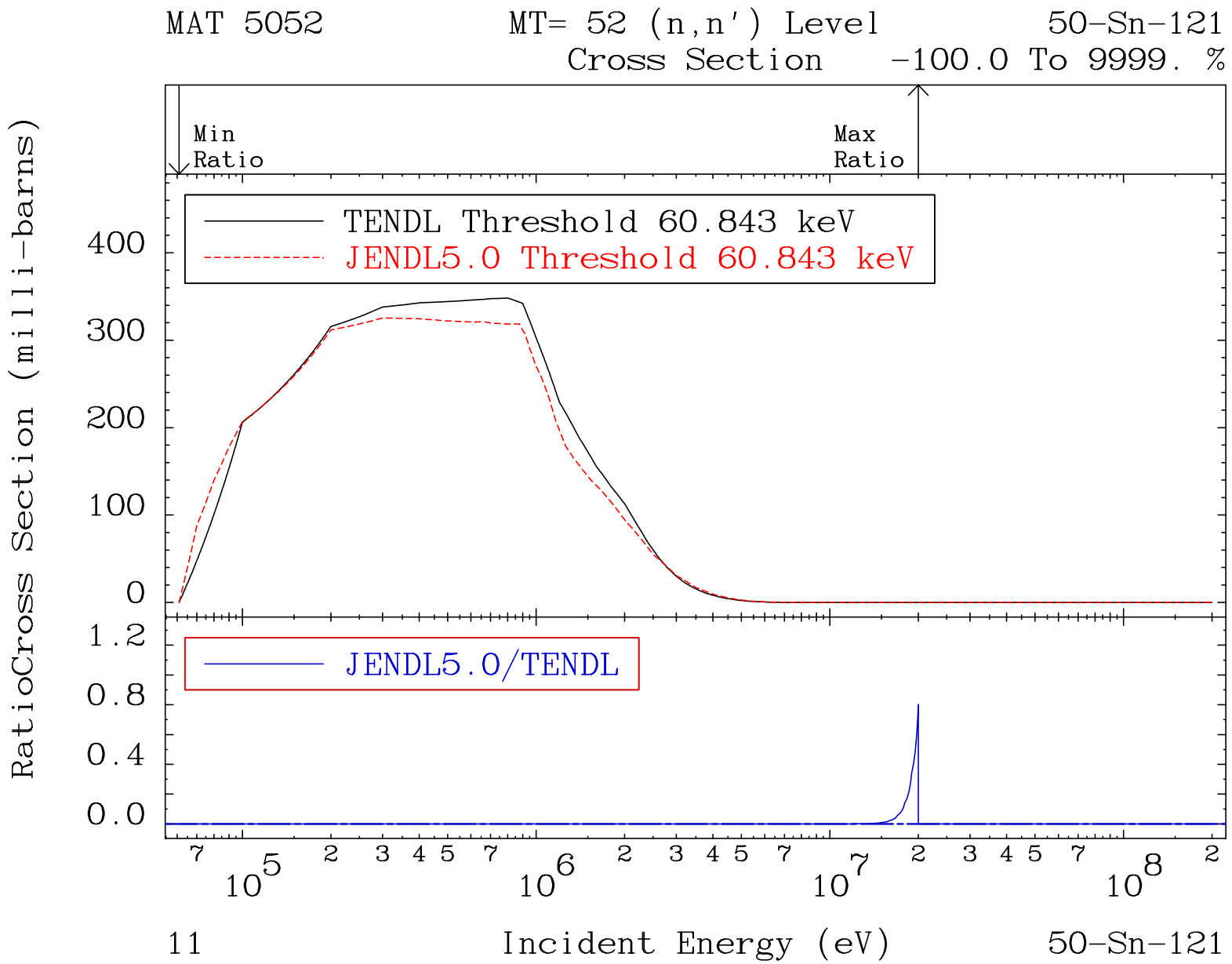

MAT 5052
(n,3n)
Cross Section
50-Sn-121
-100.0 To 0.460 %
Max
Ratio
TENDL Threshold 15.402 MeV
JENDL5.0 Threshold 15.402 MeV
Cross Section (barns)
1.2
0.8
0.4
0.0
JENDL5.0/TENDL
Ratio
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
50-Sn-121

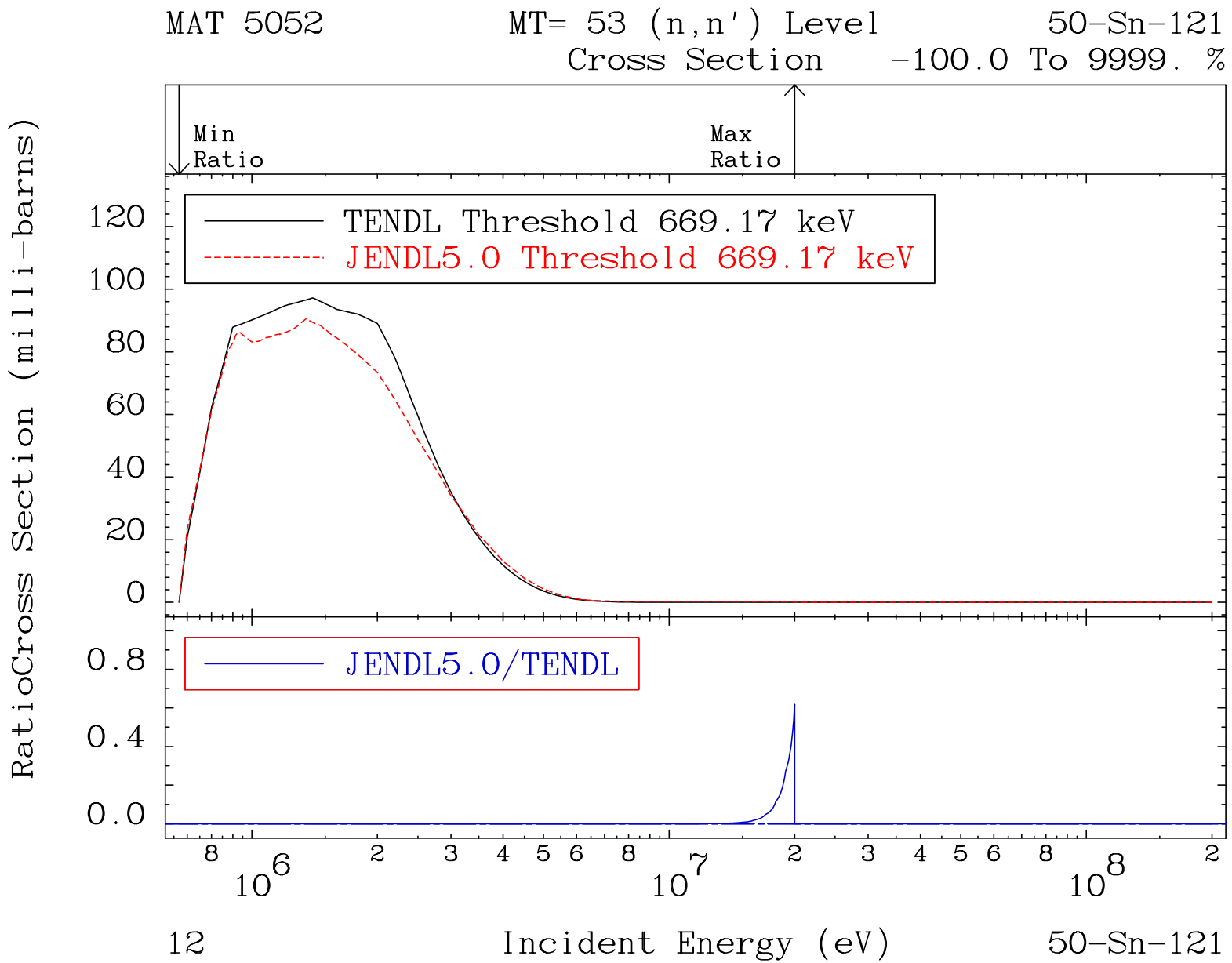

MAT 5052
(n,n') α
Cross Section
50-Sn-121
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 5.2466 MeV
JENDL5.0 Threshold 5.2472 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
50-Sn-121

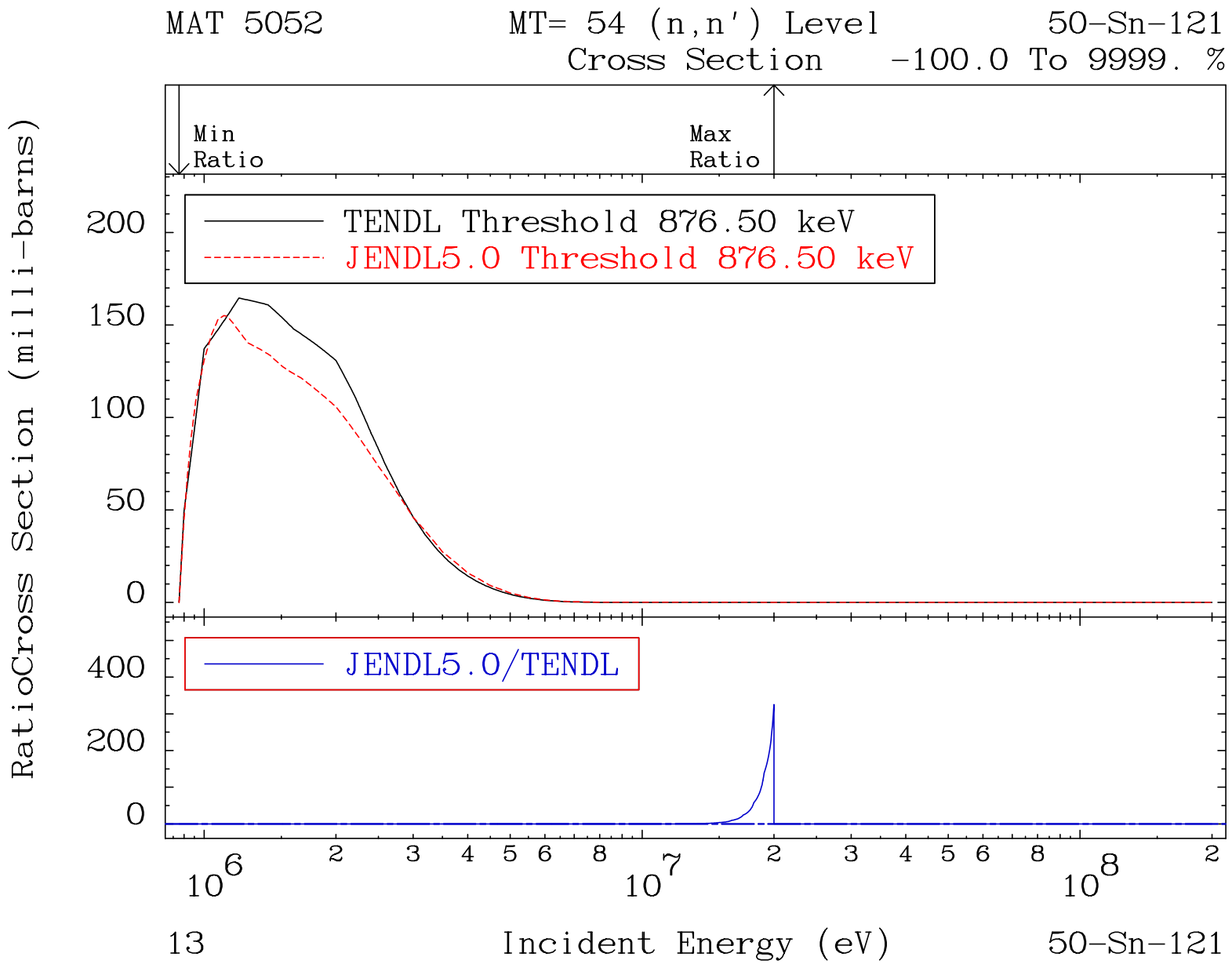

MAT 5052
(n,n') p
Cross Section
50-Sn-121
-100.0 To 37.72 %
Min Ratio
Max Ratio
TENDL Threshold 10.848 MeV
JENDL5.0 Threshold 10.848 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
8
Incident Energy (eV)
50-Sn-121

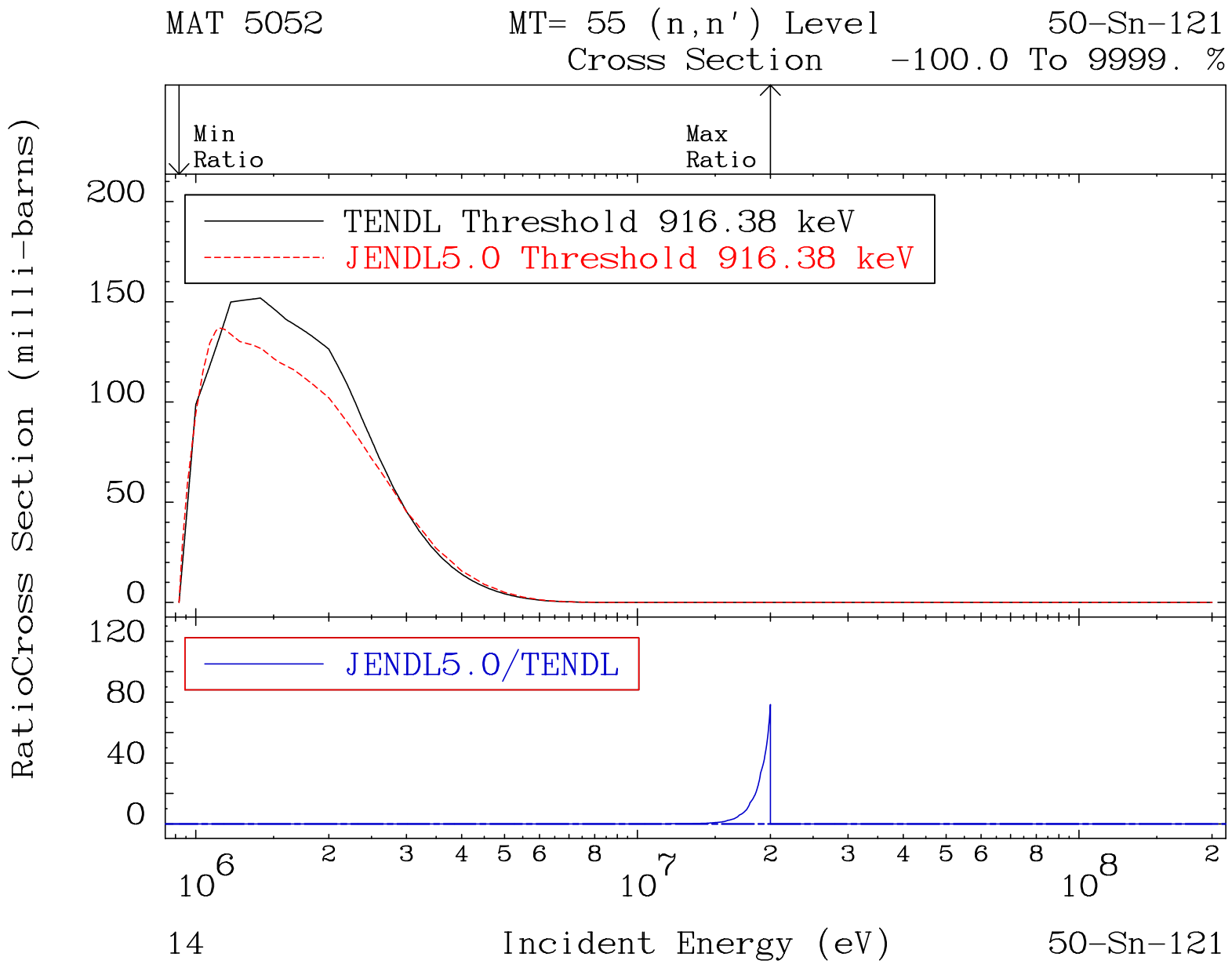

MAT 5052
(n,n') d
Cross Section
50-Sn-121
-100.0 To 869.8 %
Max
Ratio
TENDL Threshold 14.756 MeV
JENDL5.0 Threshold 14.756 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
10
8
6
4
2
0
12
6
0
2
3
4
5
6
7
8
9
2
10^8

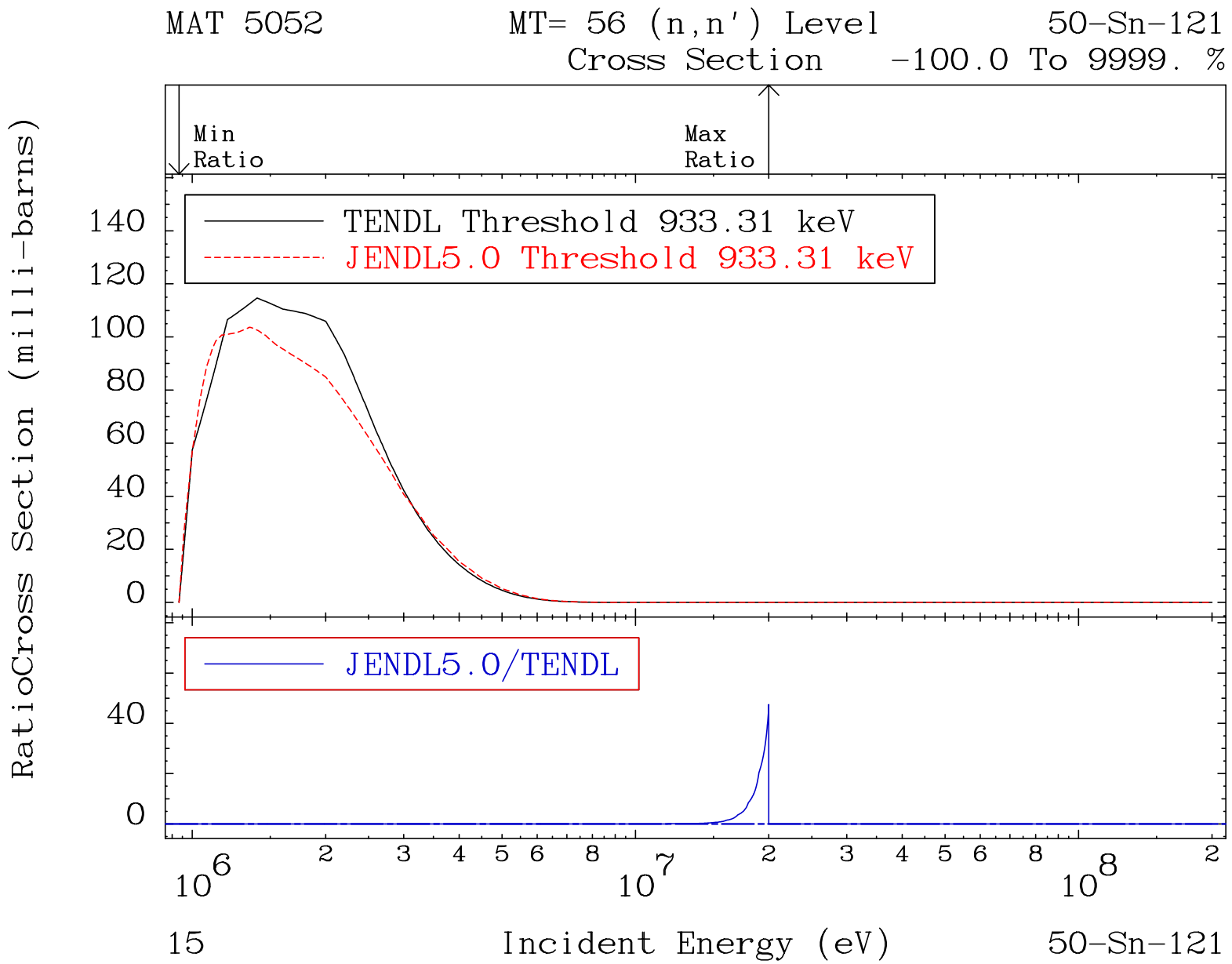

MAT 5052
MT= 51 (n,n') Level
50-Sn-121
Cross Section -100.0 To 44.59 %
Max
Ratio
TENDL Threshold 6.3625 keV
JENDL5.0 Threshold 6.3625 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
7 2 3 5 7 2 3 5 7 2 3 5 7 2 3 5 7 2
10^4 10^5 10^6 10^7 10^8
10
Incident Energy (eV)
50-Sn-121

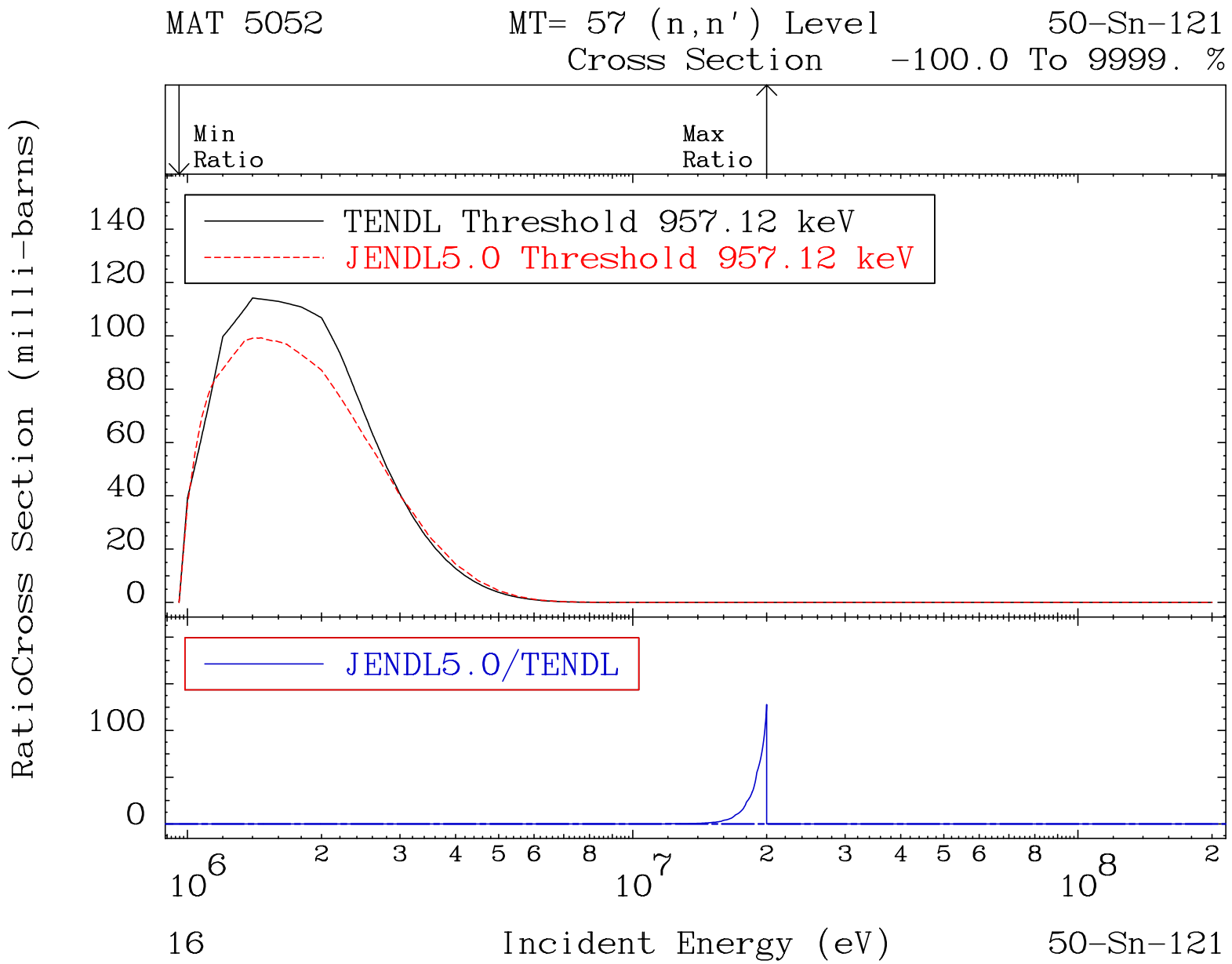

MAT 5052
MT= 52 (n,n') Level
50-Sn-121
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 60.843 keV
JENDL5.0 Threshold 60.843 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.2
0.8
0.4
0.0
7
10^5
2 3 4 5 7
10^6
2 3 4 5 7
10^7
2 3 4 5 7
10^8
2
11
Incident Energy (eV)
50-Sn-121

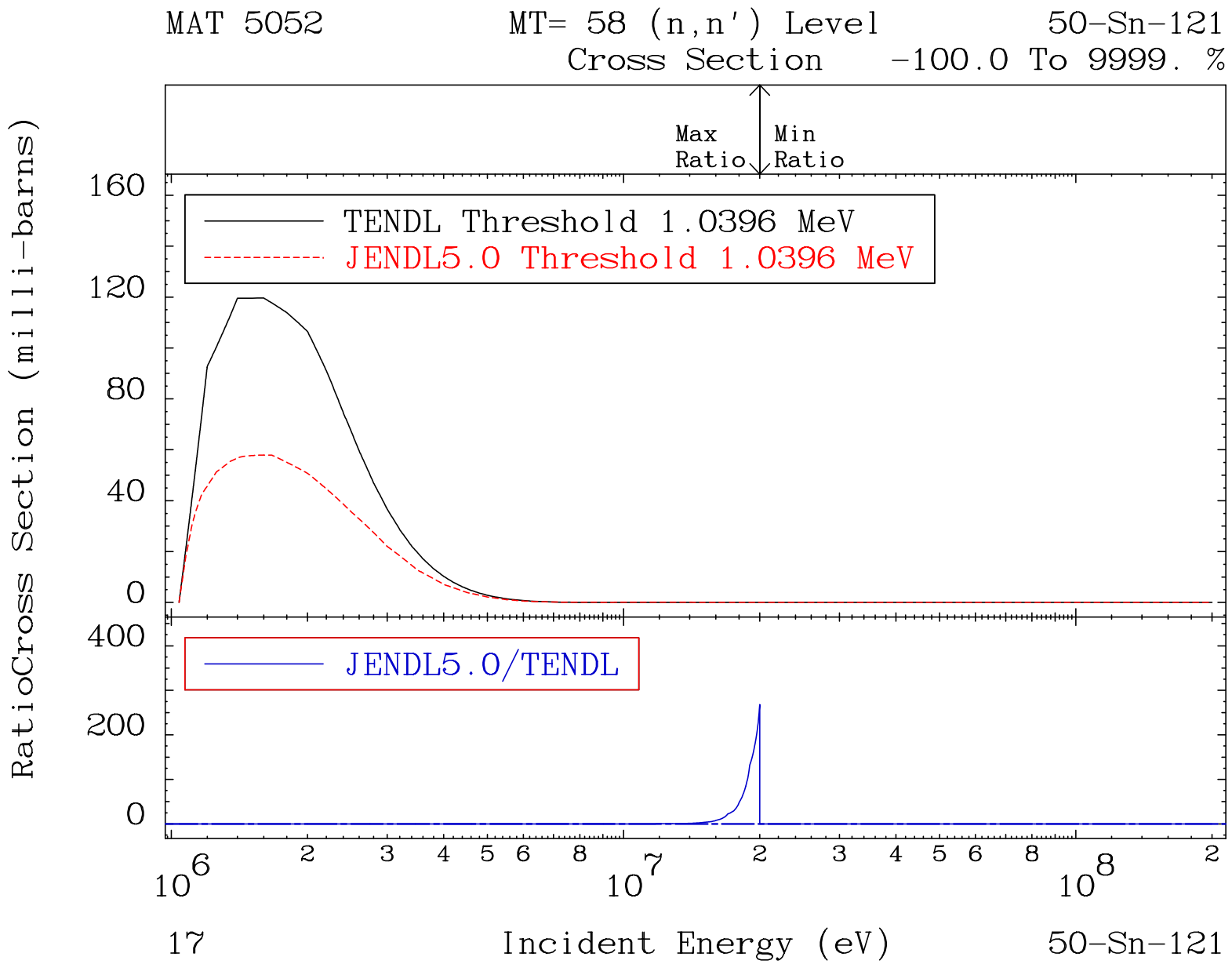

MAT 5052
MT= 53 (n,n') Level
50-Sn-121
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 669.17 keV
JENDL5.0 Threshold 669.17 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
0.8
0.4
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
12
Incident Energy (eV)
50-Sn-121

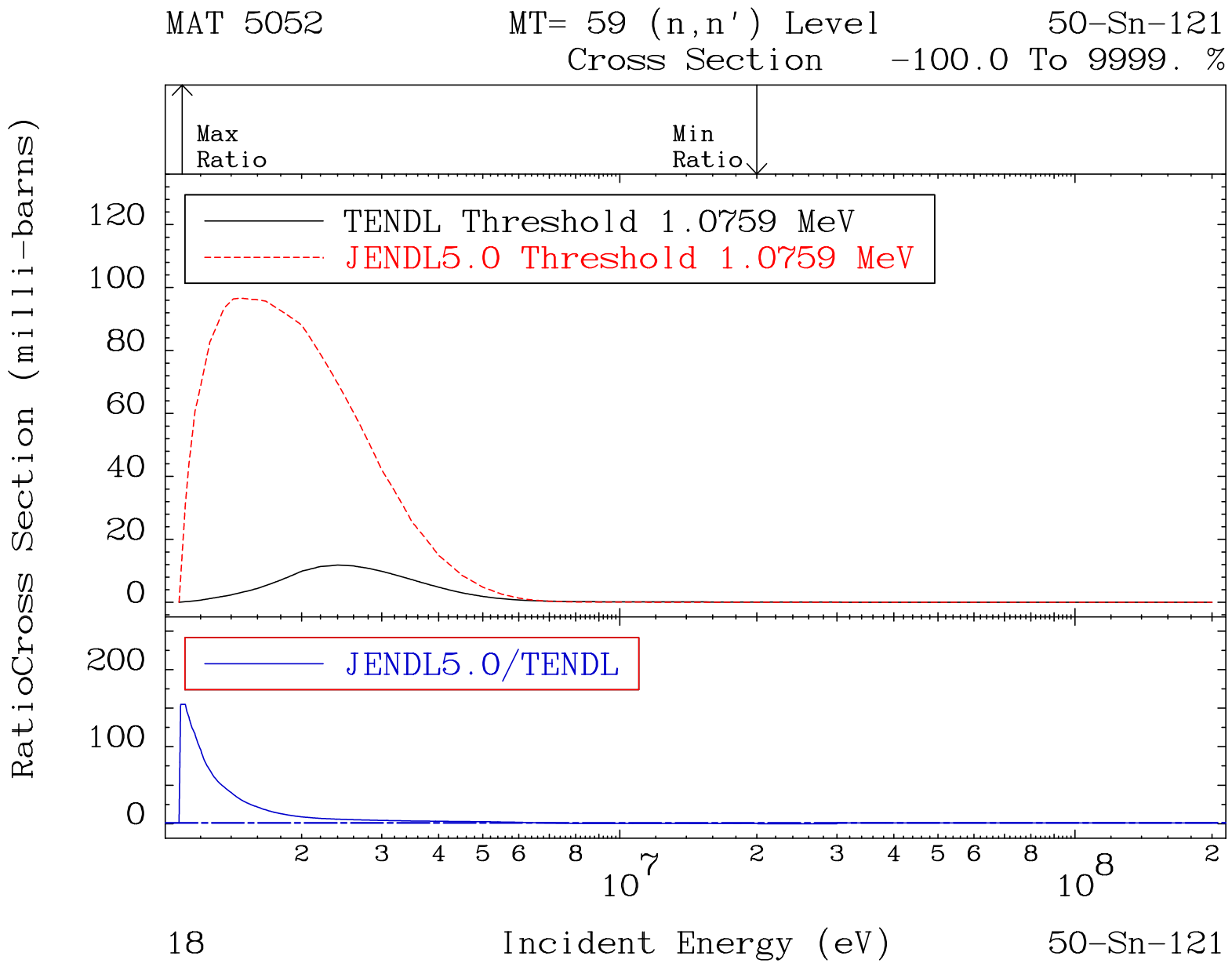

MAT 5052
MT= 54 (n,n') Level
50-Sn-121
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 876.50 keV
JENDL5.0 Threshold 876.50 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
400
200
0
10^6
10^7
10^8
2 3 4 5 6 8
13
Incident Energy (eV)
50-Sn-121

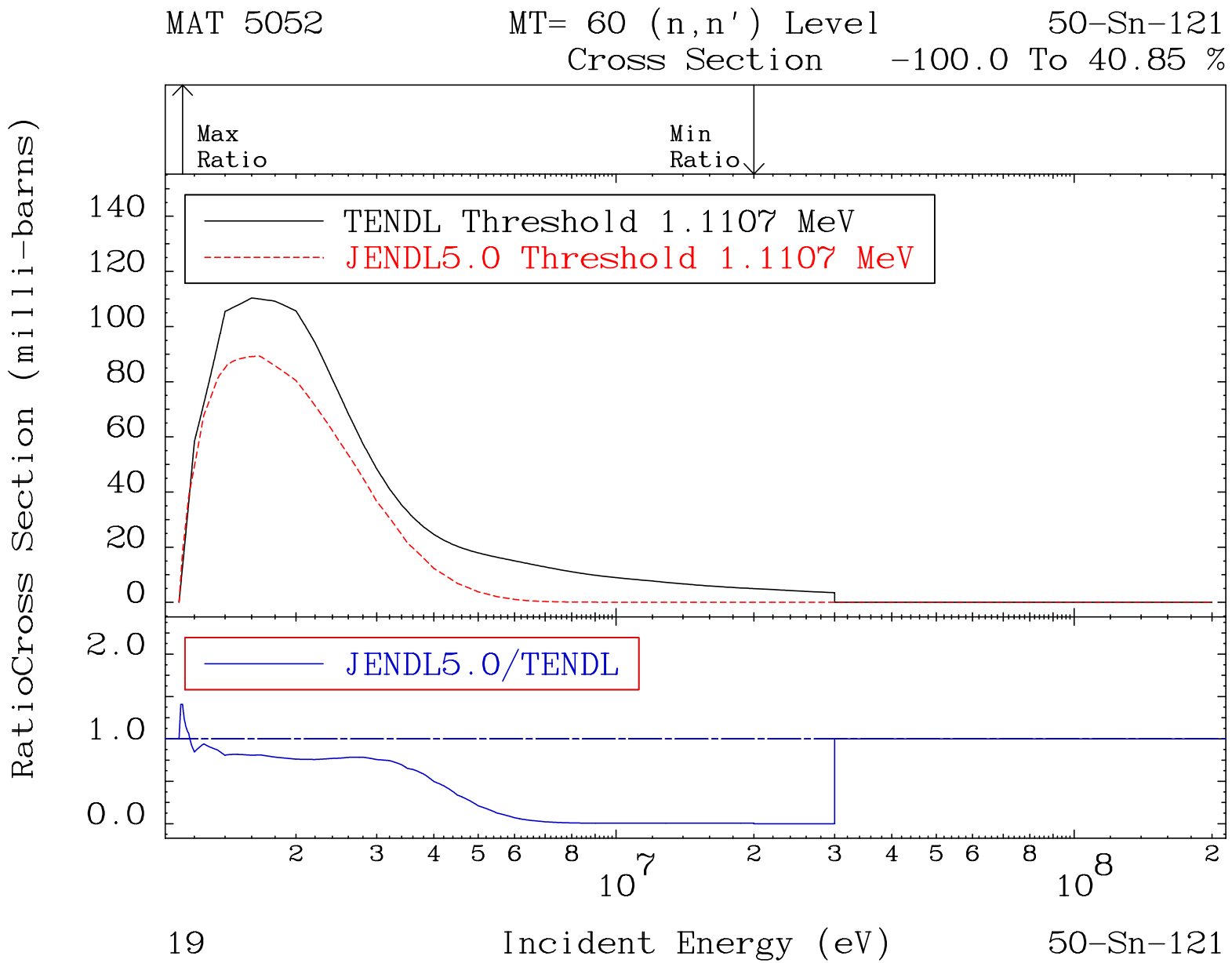

MAT 5052
MT= 55 (n,n') Level
50-Sn-121
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 916.38 keV
JENDL5.0 Threshold 916.38 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
120
80
40
0
10^6
10^7
10^8
2 3 4 5 6 8
14
Incident Energy (eV)
50-Sn-121

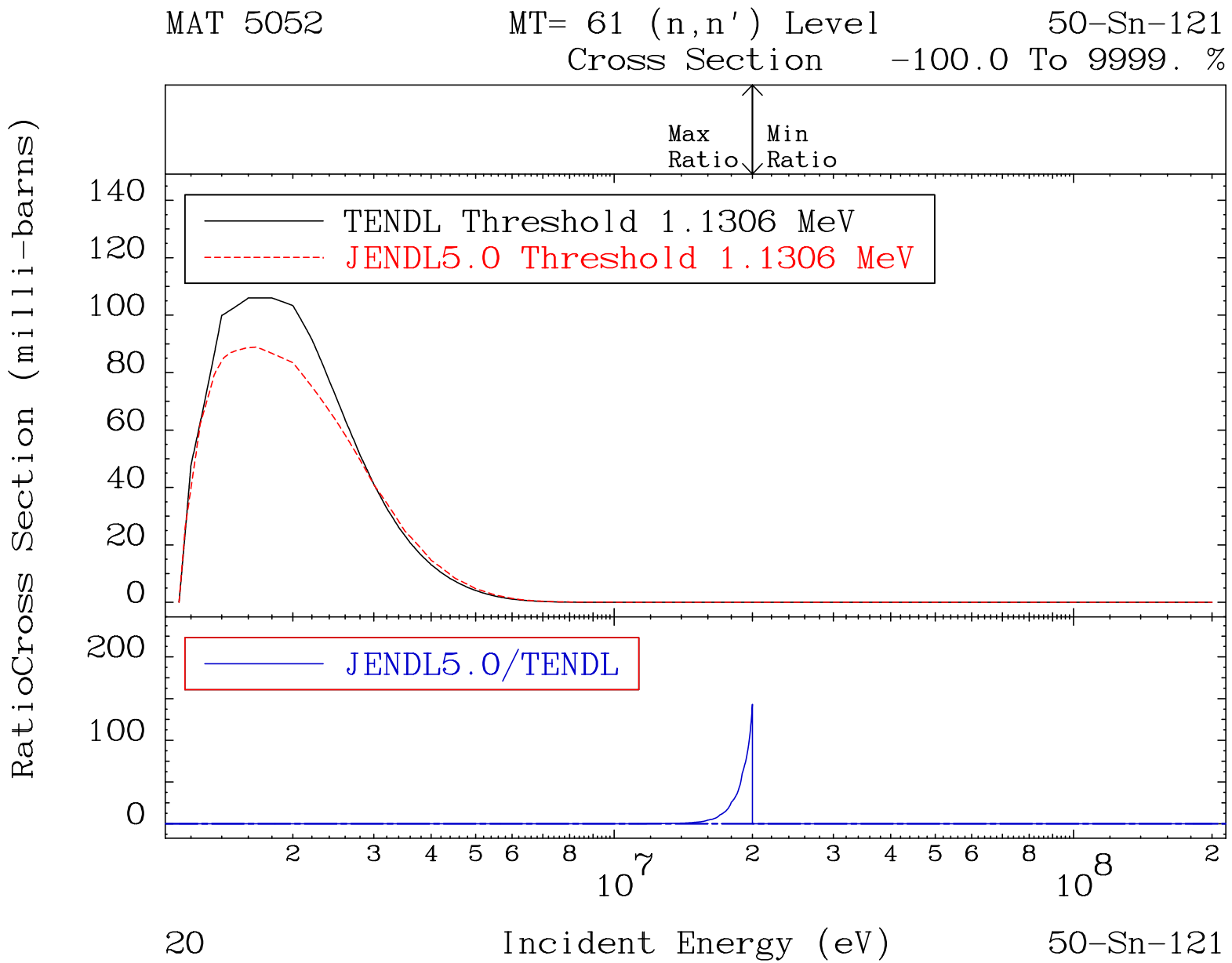

MAT 5052
MT= 56 (n,n') Level
50-Sn-121
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 933.31 keV
JENDL5.0 Threshold 933.31 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
40
0
10^6
10^7
10^8
2 3 4 5 6 8 2 3 4 5 6 8 2
15
Incident Energy (eV)
50-Sn-121

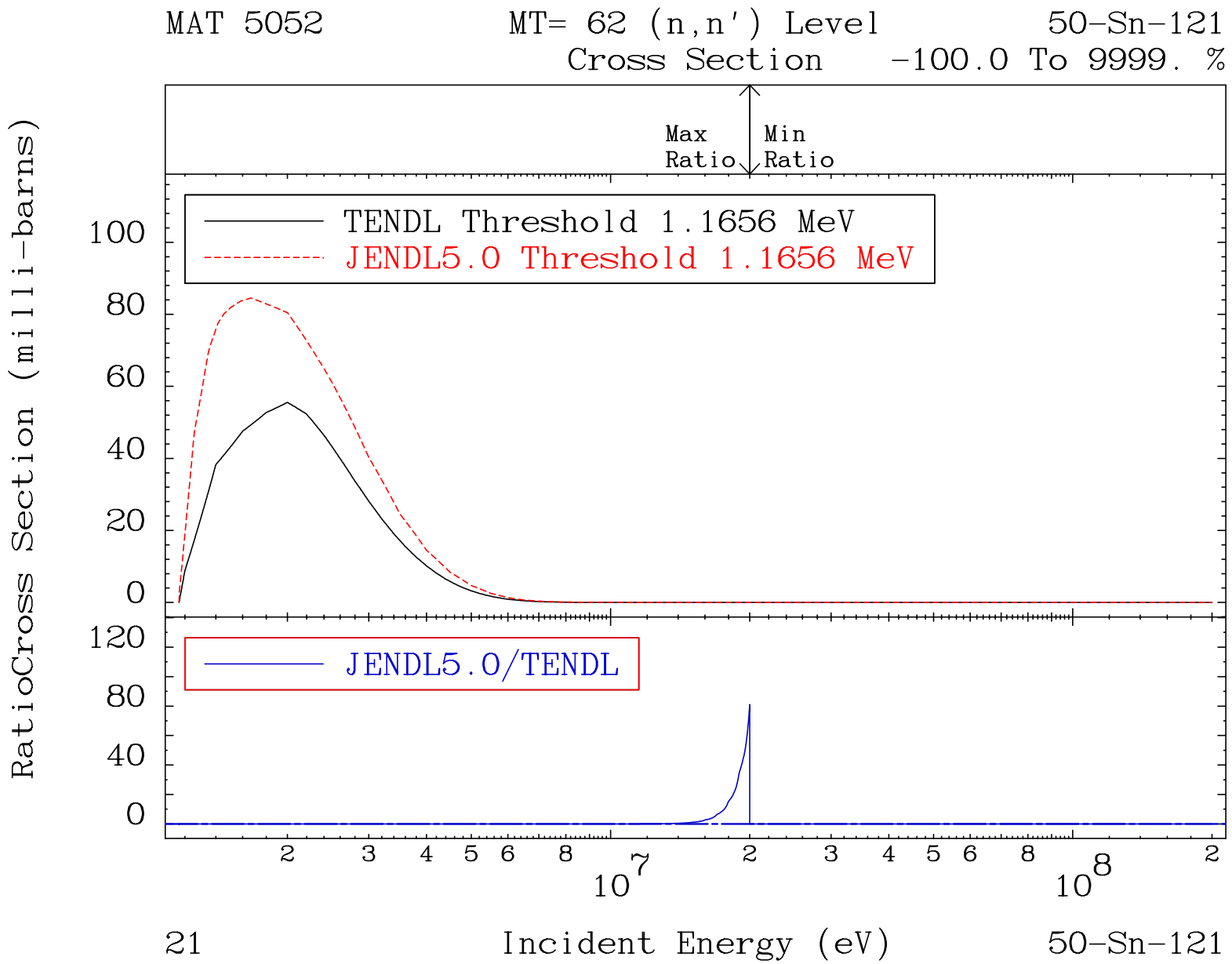

MAT 5052
MT= 57 (n,n') Level
50-Sn-121
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 957.12 keV
JENDL5.0 Threshold 957.12 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
100
0
10^6
2 3 4 5 6 8
10^7
2 3 4 5 6 8
10^8
2
16
Incident Energy (eV)
50-Sn-121

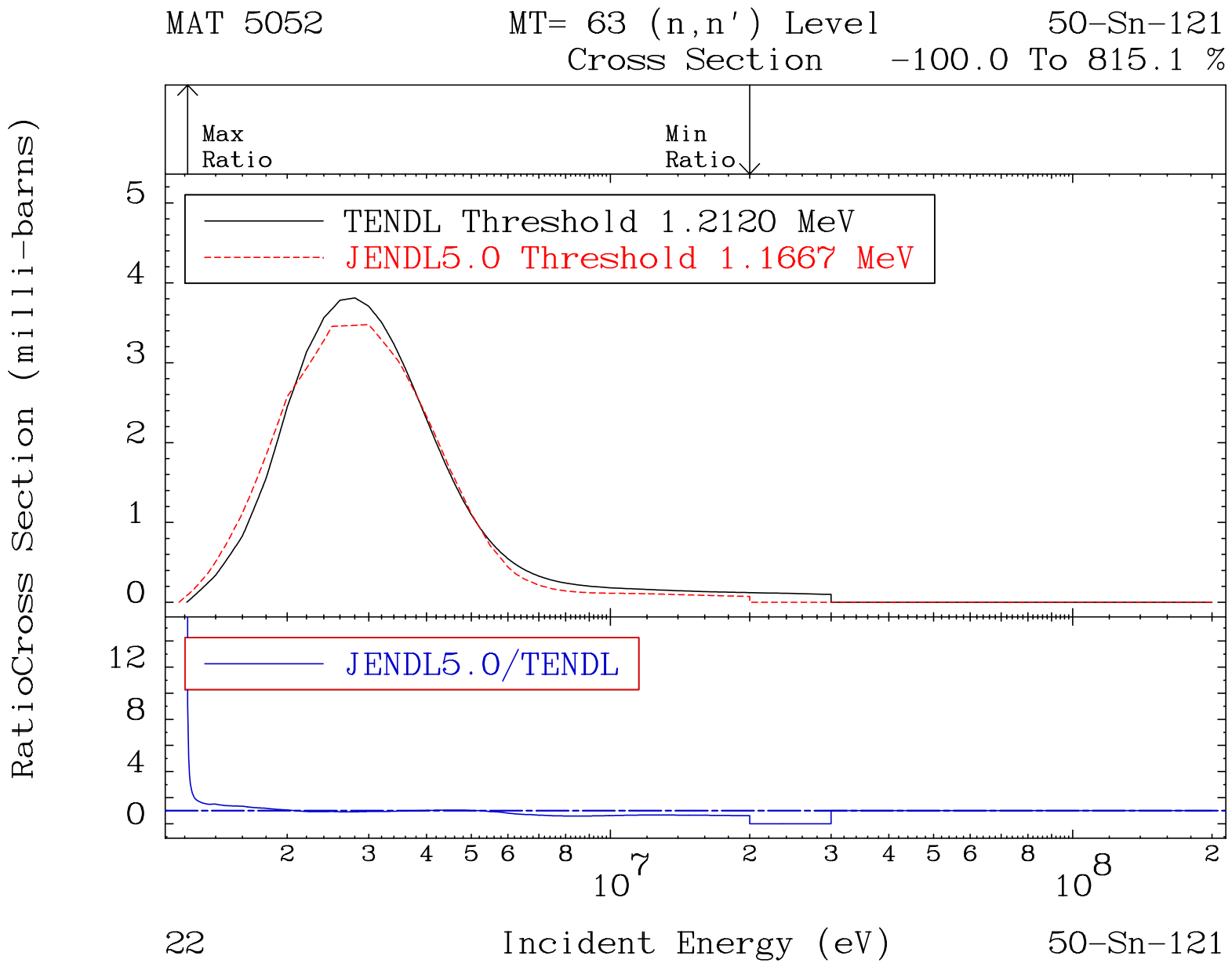

MAT 5052
MT= 58 (n,n') Level
50-Sn-121
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.0396 MeV
JENDL5.0 Threshold 1.0396 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
400
200
0
2 3 4 5 6 8
10^6
10^7
10^8
17
Incident Energy (eV)
50-Sn-121

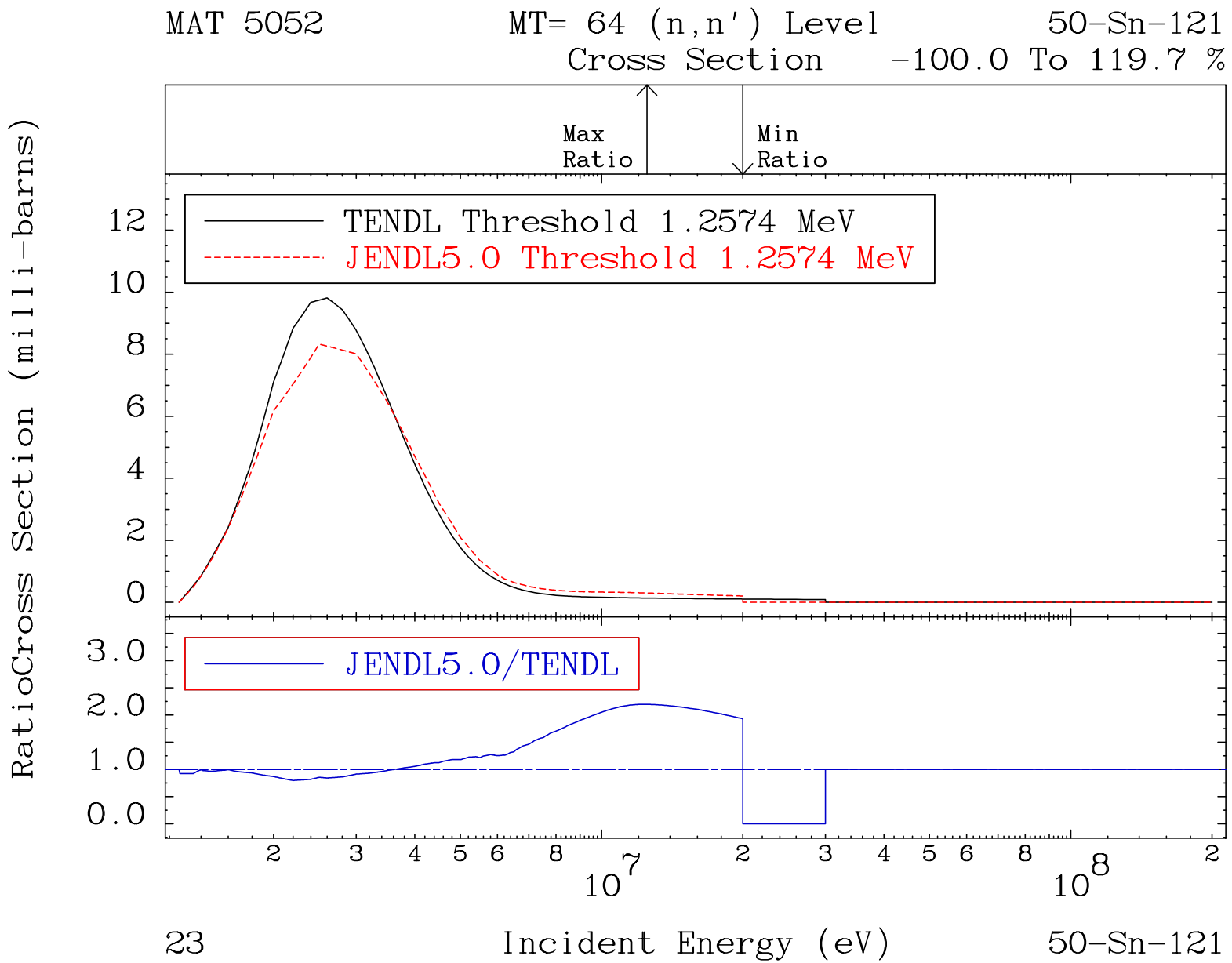

MAT 5052
MT= 59 (n,n') Level
50-Sn-121
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.0759 MeV
JENDL5.0 Threshold 1.0759 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
18
Incident Energy (eV)
50-Sn-121

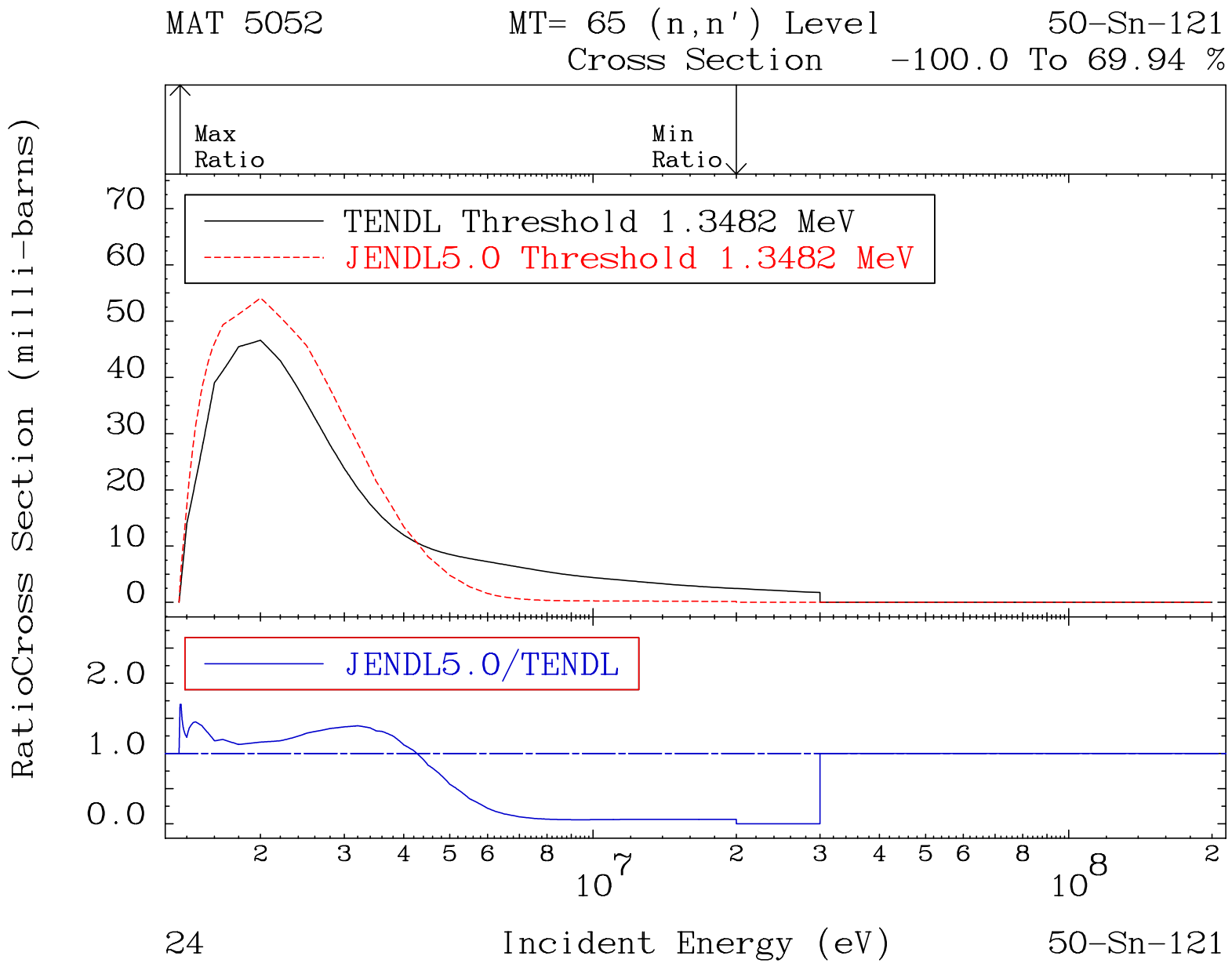

MAT 5052
MT= 60 (n,n') Level
50-Sn-121
Cross Section
-100.0 To 40.85 %
Max Ratio
Min Ratio
TENDL Threshold 1.1107 MeV
JENDL5.0 Threshold 1.1107 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
19
Incident Energy (eV)
50-Sn-121

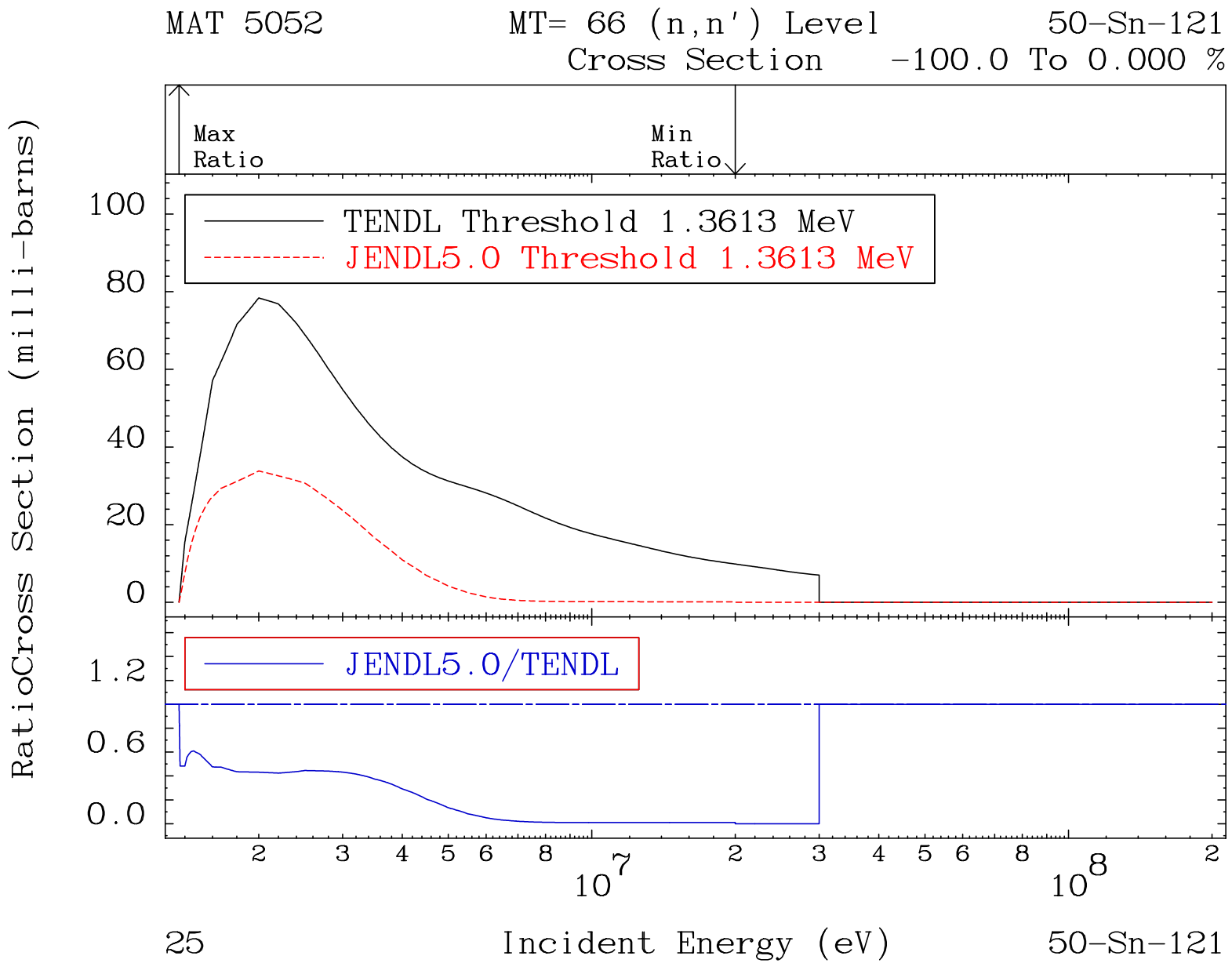

MAT 5052
MT= 61 (n,n') Level
50-Sn-121
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1306 MeV
JENDL5.0 Threshold 1.1306 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
20
Incident Energy (eV)
50-Sn-121

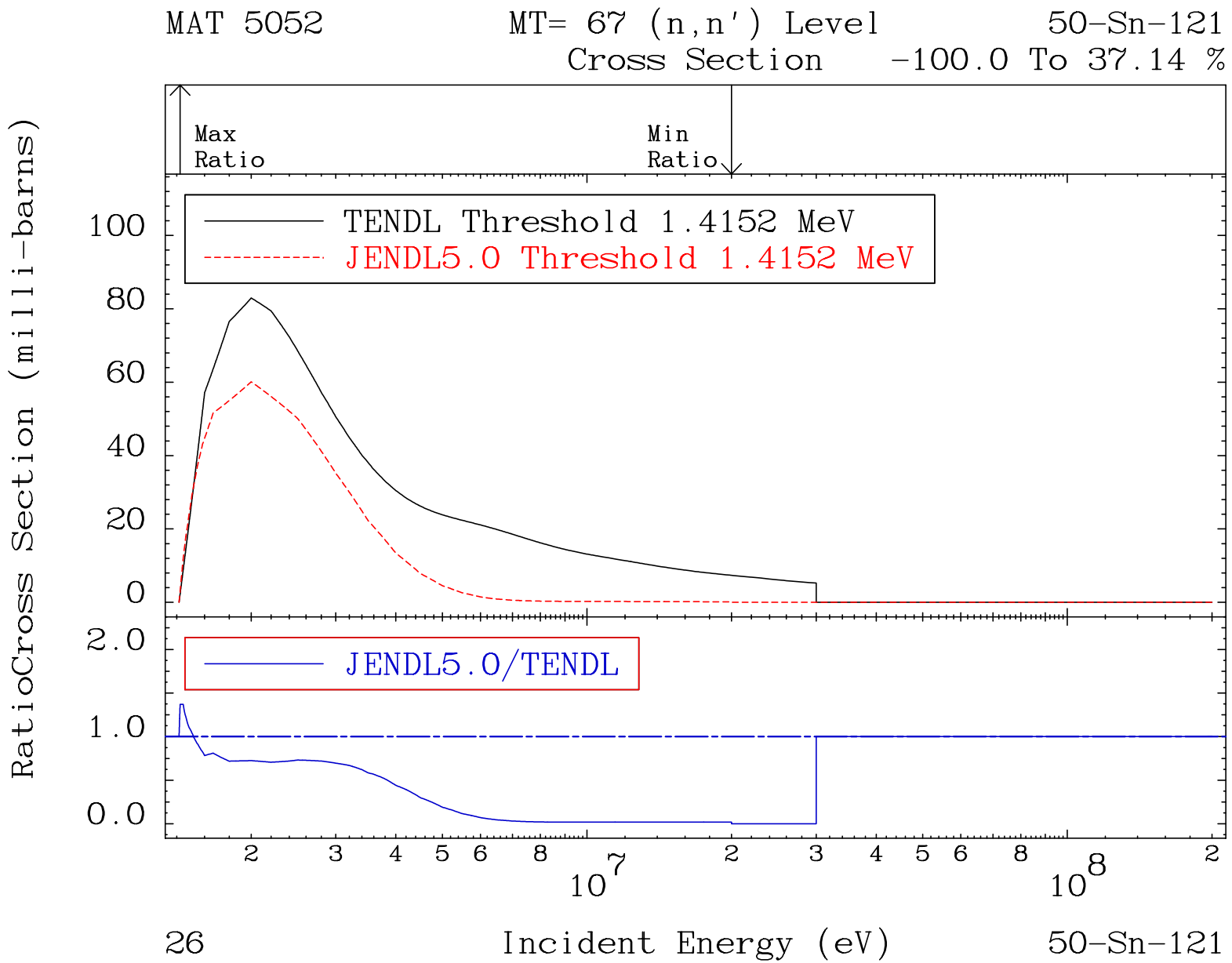

MAT 5052
MT= 62 (n,n') Level
50-Sn-121
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1656 MeV
JENDL5.0 Threshold 1.1656 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
120
80
40
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
50-Sn-121

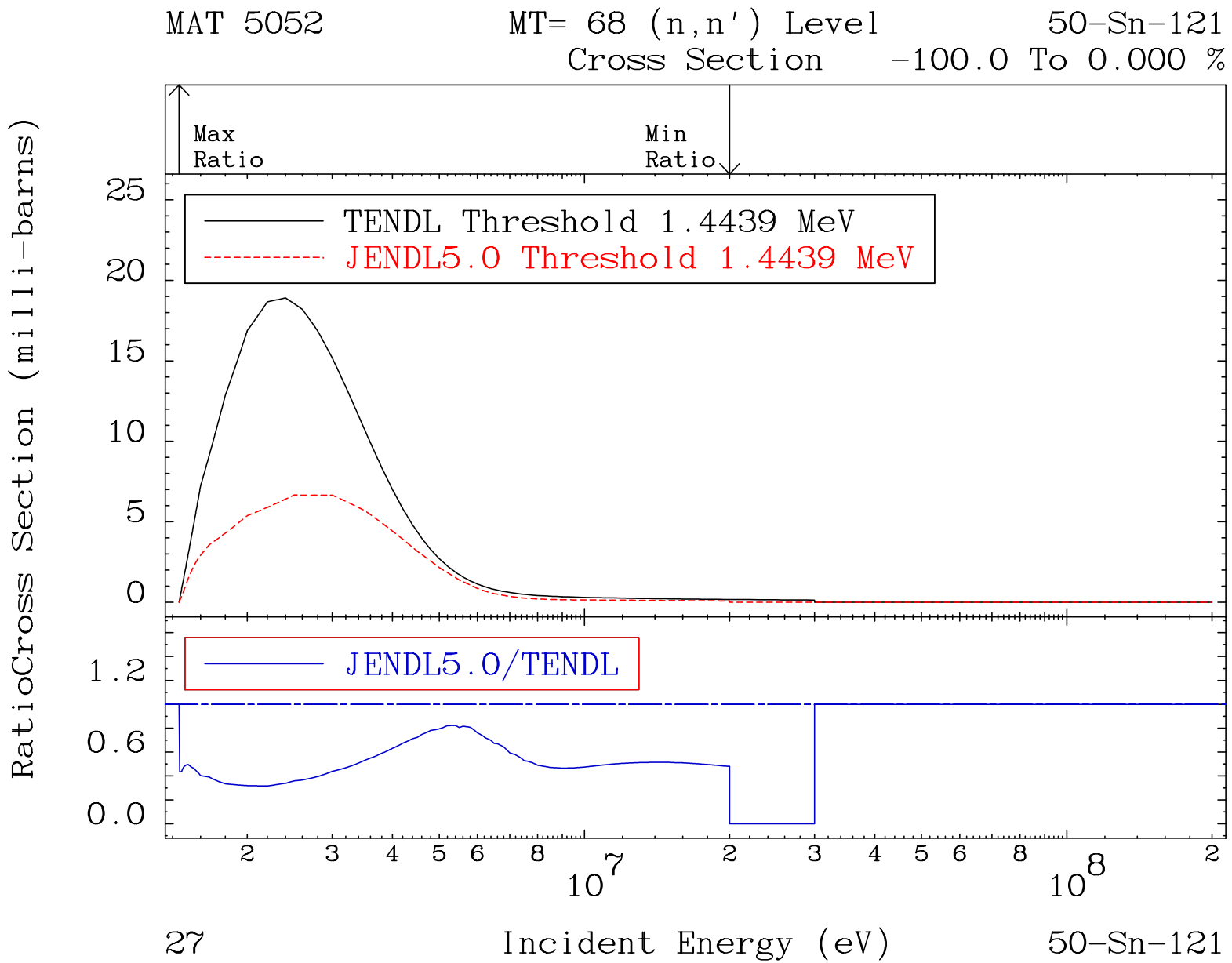

MAT 5052
MT= 63 (n,n') Level
50-Sn-121
Cross Section
-100.0 To 815.1 %
Max Ratio
Min Ratio
TENDL Threshold 1.2120 MeV
JENDL5.0 Threshold 1.1667 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
22
50-Sn-121

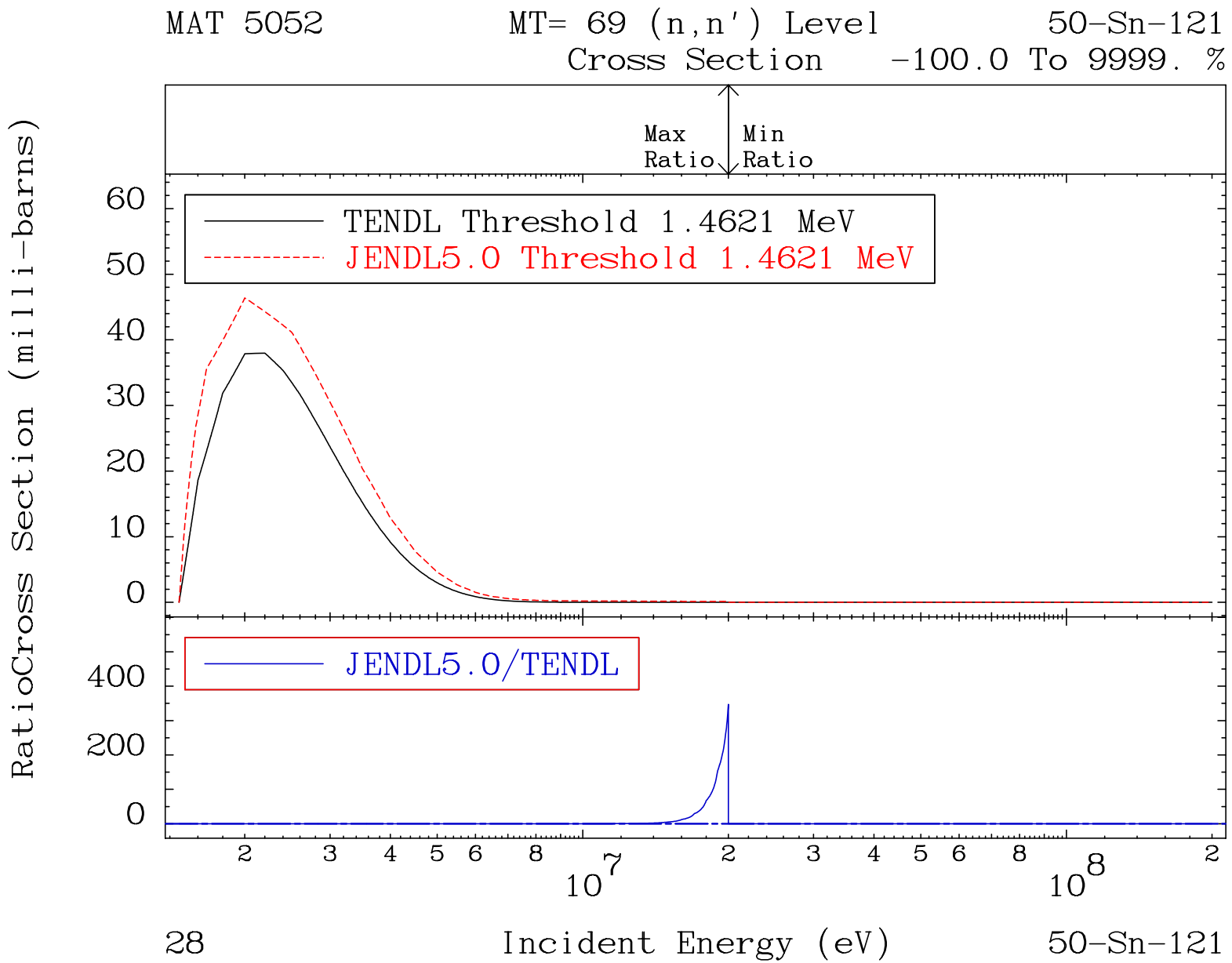

MAT 5052
MT= 64 (n,n') Level
50-Sn-121
Cross Section -100.0 To 119.7 %
Max Ratio
Min Ratio
TENDL Threshold 1.2574 MeV
JENDL5.0 Threshold 1.2574 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
3.0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
23
Incident Energy (eV)
50-Sn-121

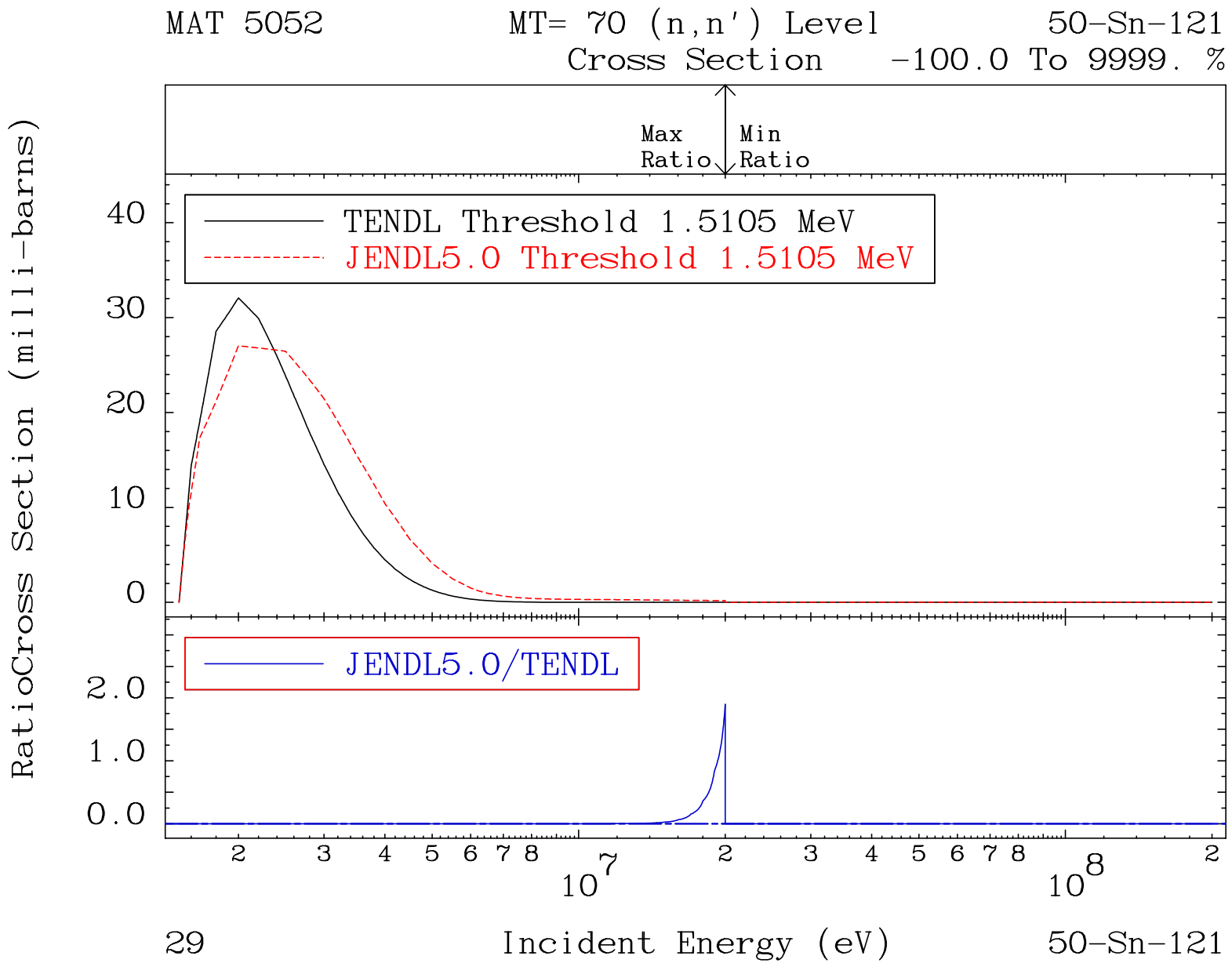

MAT 5052
MT= 65 (n,n') Level
50-Sn-121
Cross Section -100.0 To 69.94 %
Max Ratio
Min Ratio
TENDL Threshold 1.3482 MeV
JENDL5.0 Threshold 1.3482 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
24
Incident Energy (eV)
50-Sn-121

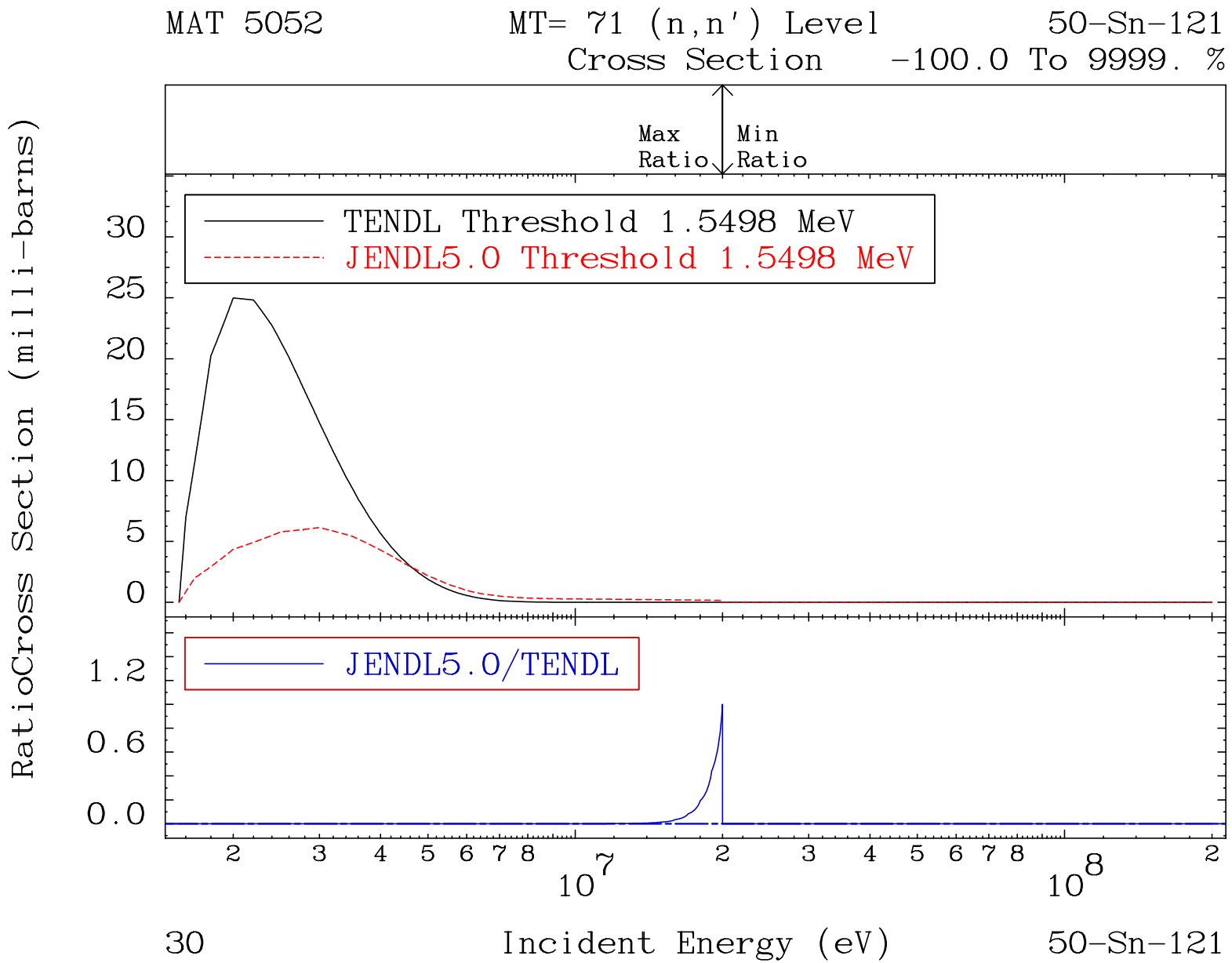

MAT 5052
MT= 66 (n,n') Level
50-Sn-121
Cross Section -100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 1.3613 MeV
JENDL5.0 Threshold 1.3613 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
25
Incident Energy (eV)
50-Sn-121

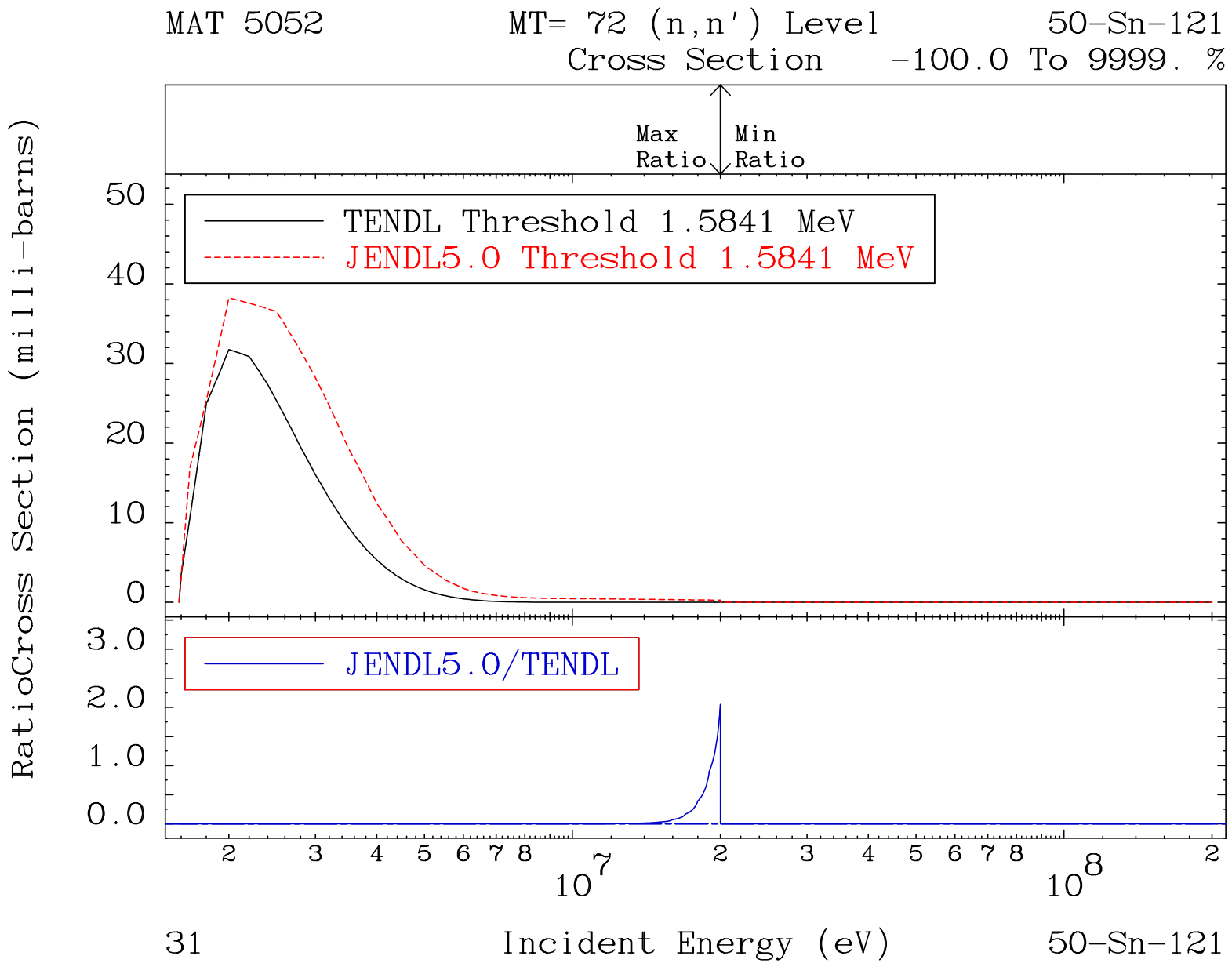

MAT 5052
MT= 67 (n,n') Level
50-Sn-121
Cross Section
-100.0 To 37.14 %
Max Ratio
Min Ratio
TENDL Threshold 1.4152 MeV
JENDL5.0 Threshold 1.4152 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
26
Incident Energy (eV)
50-Sn-121

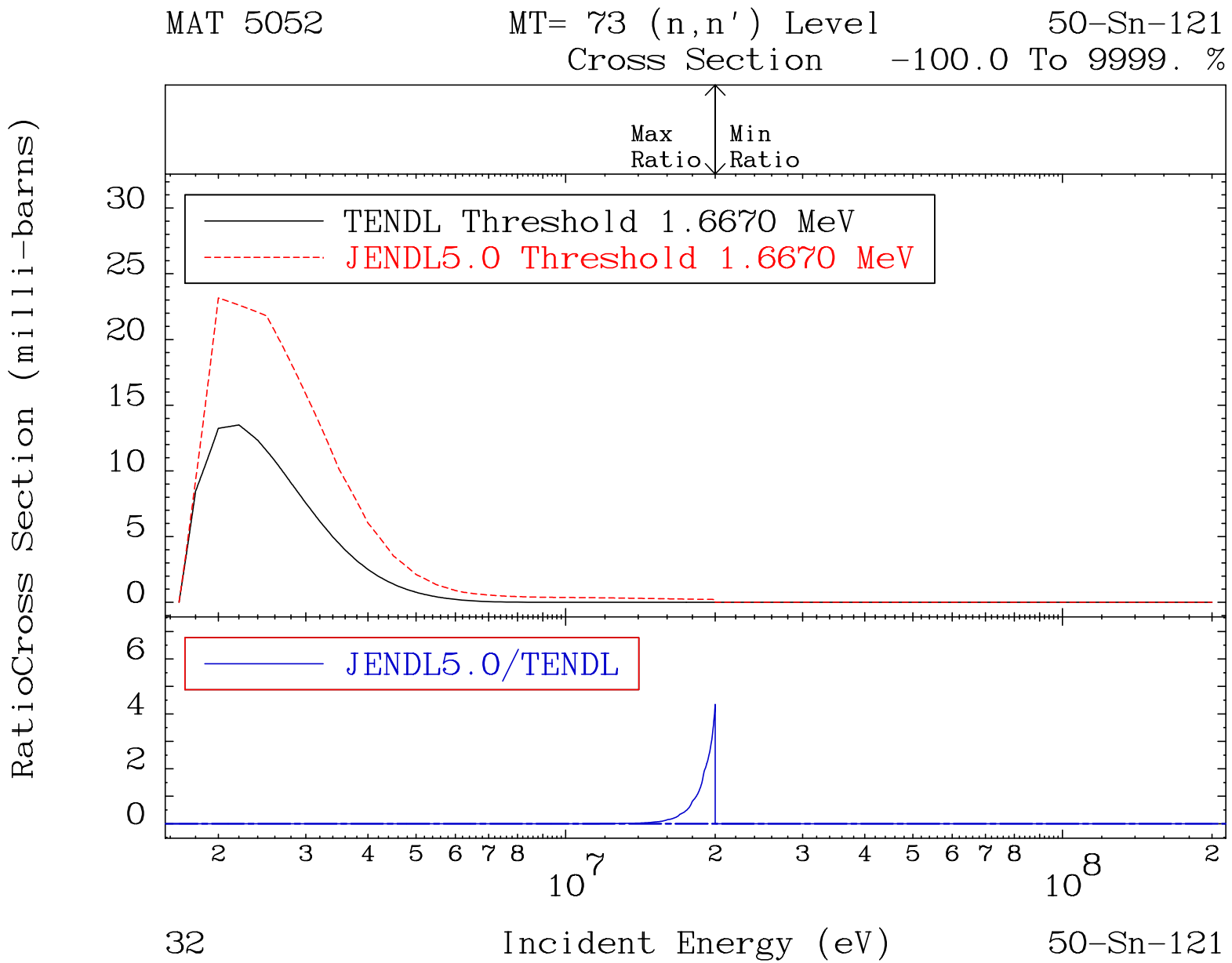

MAT 5052
MT= 68 (n,n') Level
50-Sn-121
Cross Section -100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 1.4439 MeV
JENDL5.0 Threshold 1.4439 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.2
0.6
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
27
Incident Energy (eV)
50-Sn-121

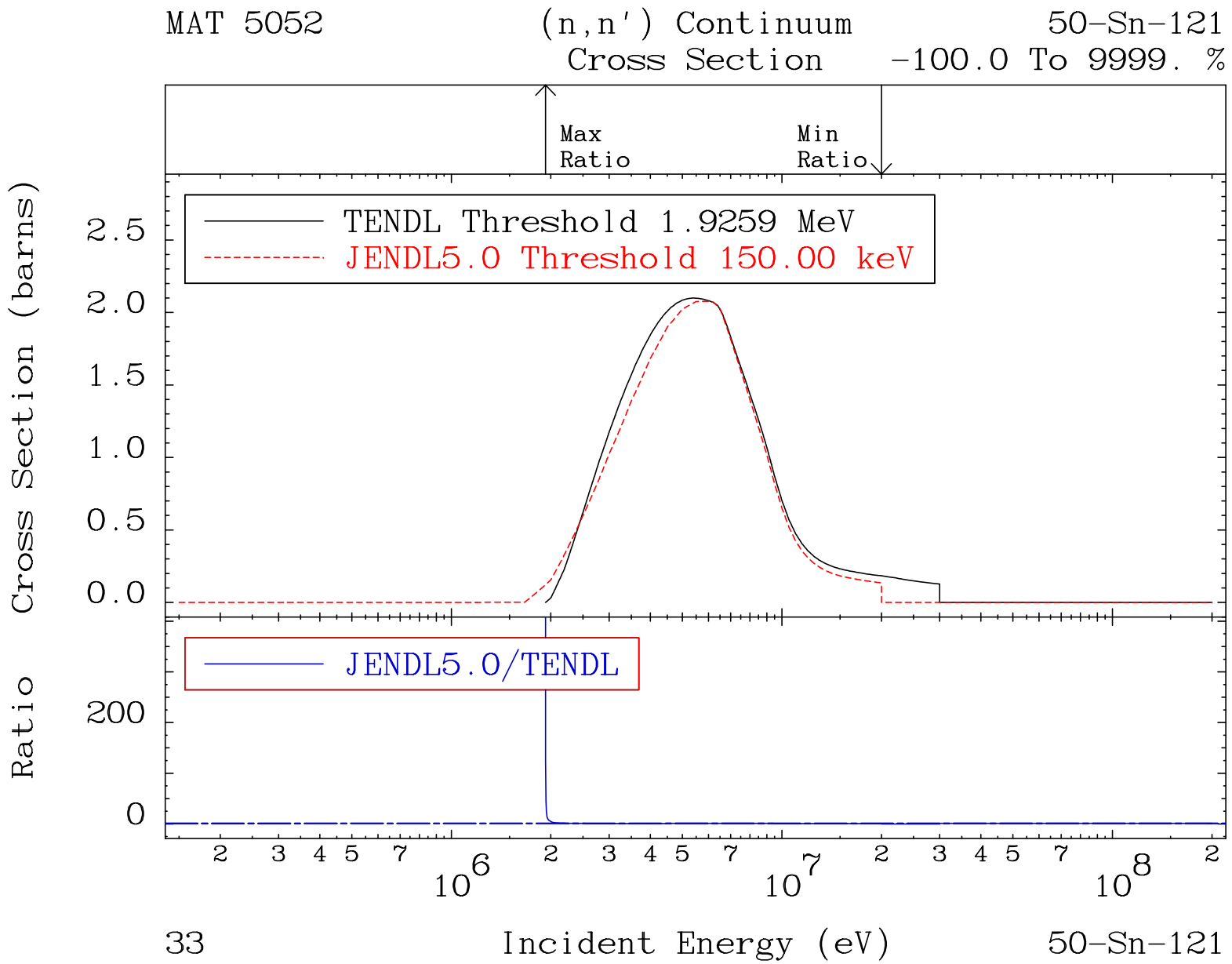

MAT 5052
MT= 69 (n,n') Level
50-Sn-121
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.4621 MeV
JENDL5.0 Threshold 1.4621 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
400
200
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
28
Incident Energy (eV)
50-Sn-121

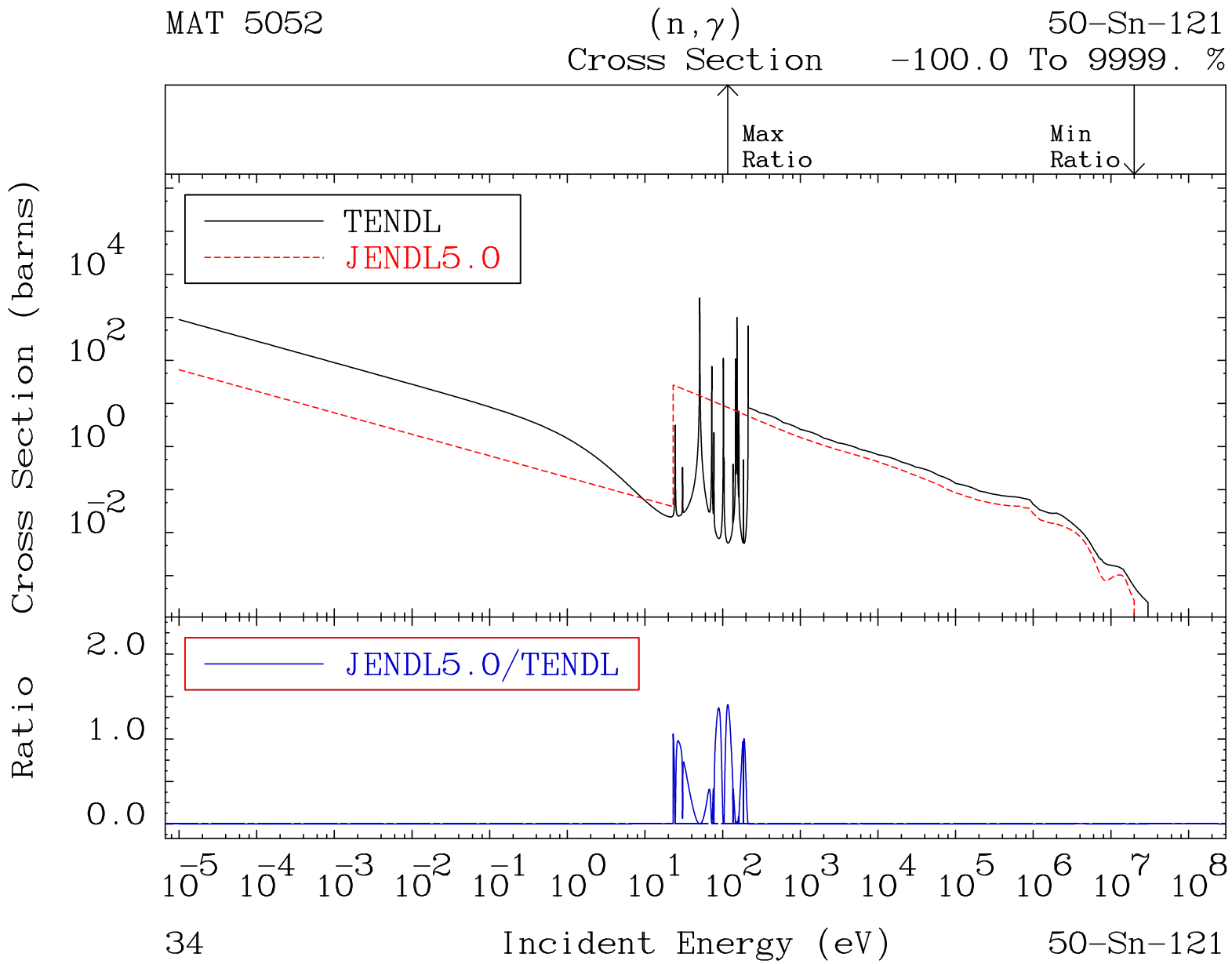

MAT 5052
MT= 70 (n,n') Level
50-Sn-121
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.5105 MeV
JENDL5.0 Threshold 1.5105 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
50-Sn-121

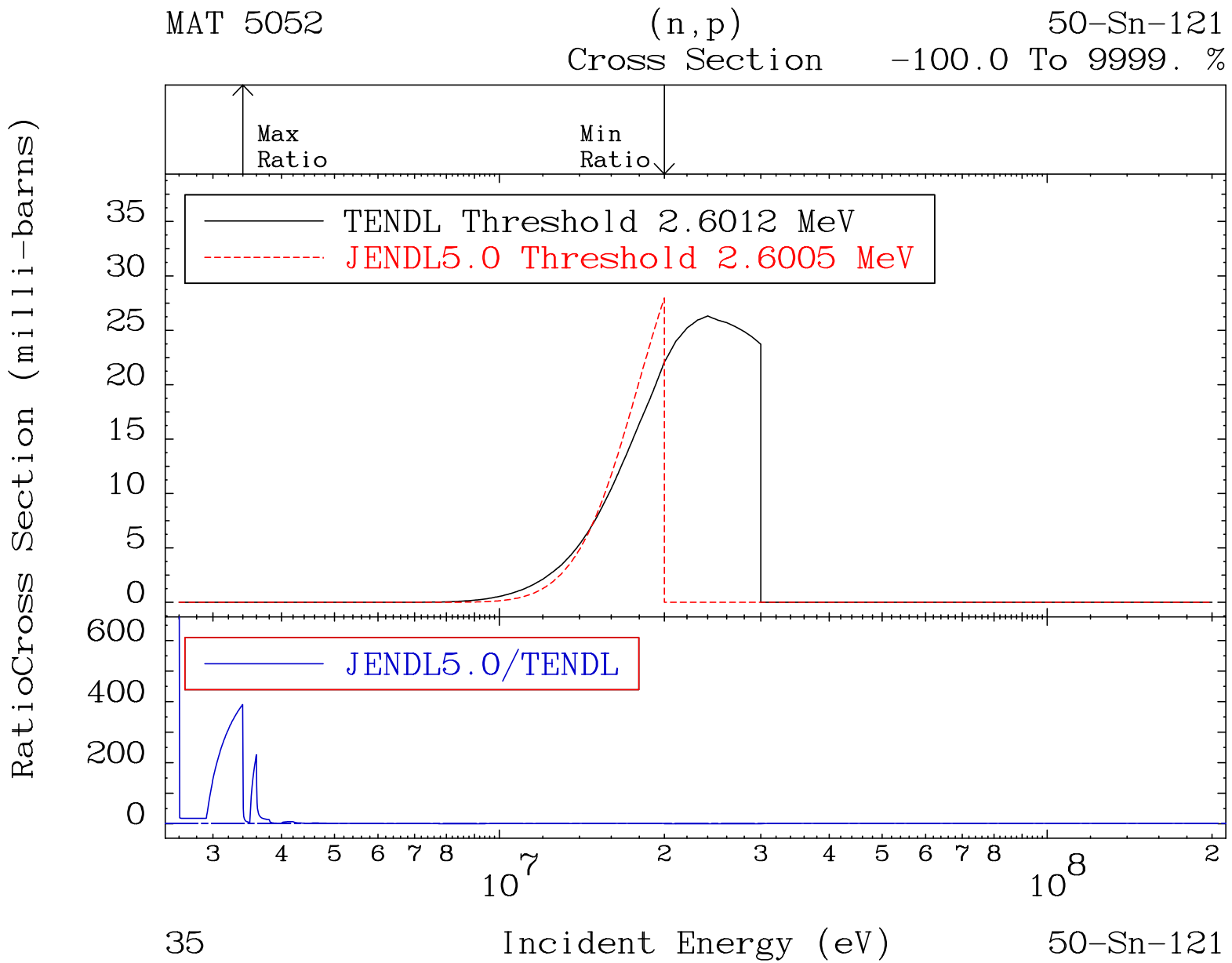

MAT 5052
MT= 71 (n,n') Level
50-Sn-121
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.5498 MeV
JENDL5.0 Threshold 1.5498 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
50-Sn-121

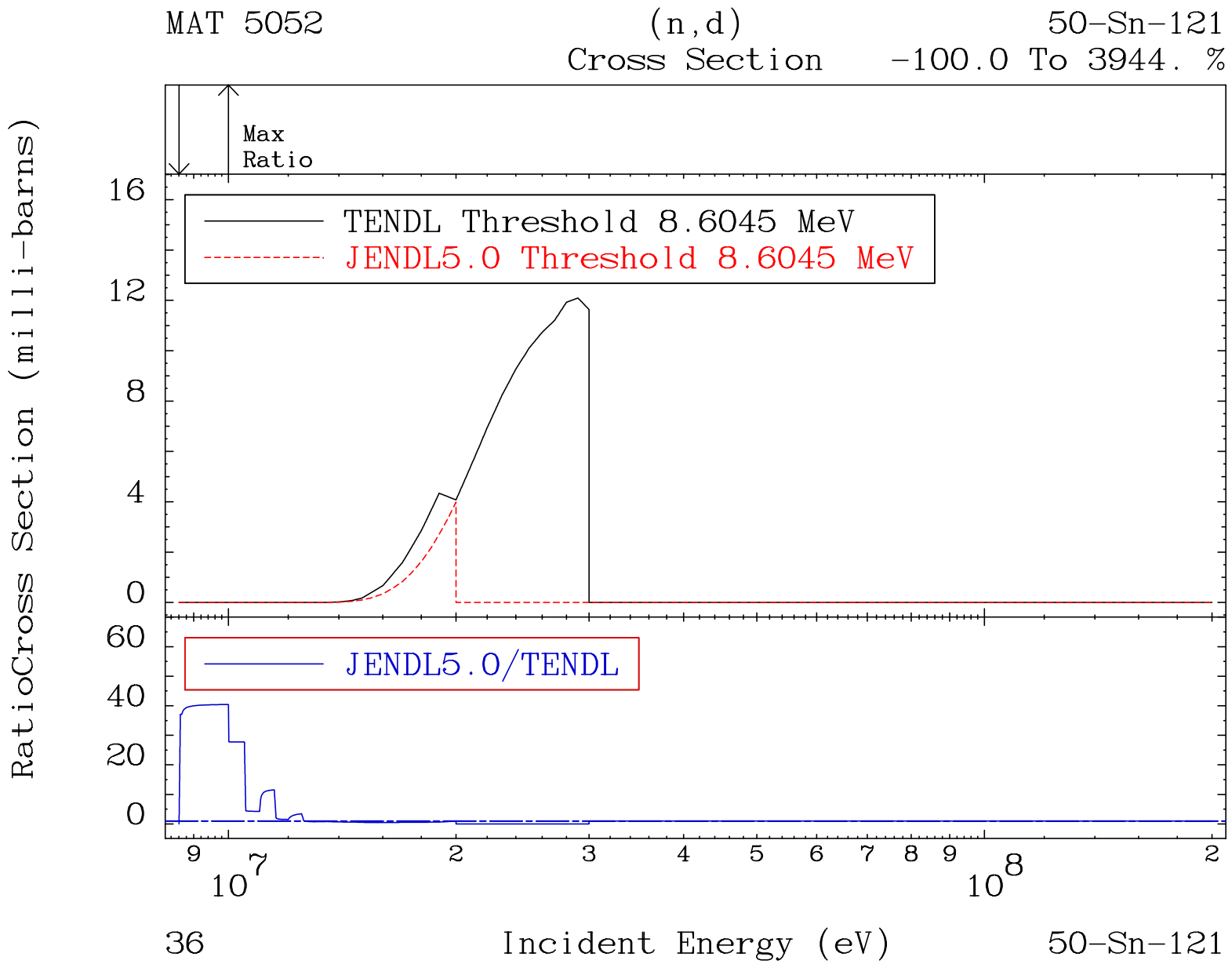

MAT 5052
MT= 72 (n,n') Level
50-Sn-121
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.5841 MeV
JENDL5.0 Threshold 1.5841 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
3.0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
50-Sn-121

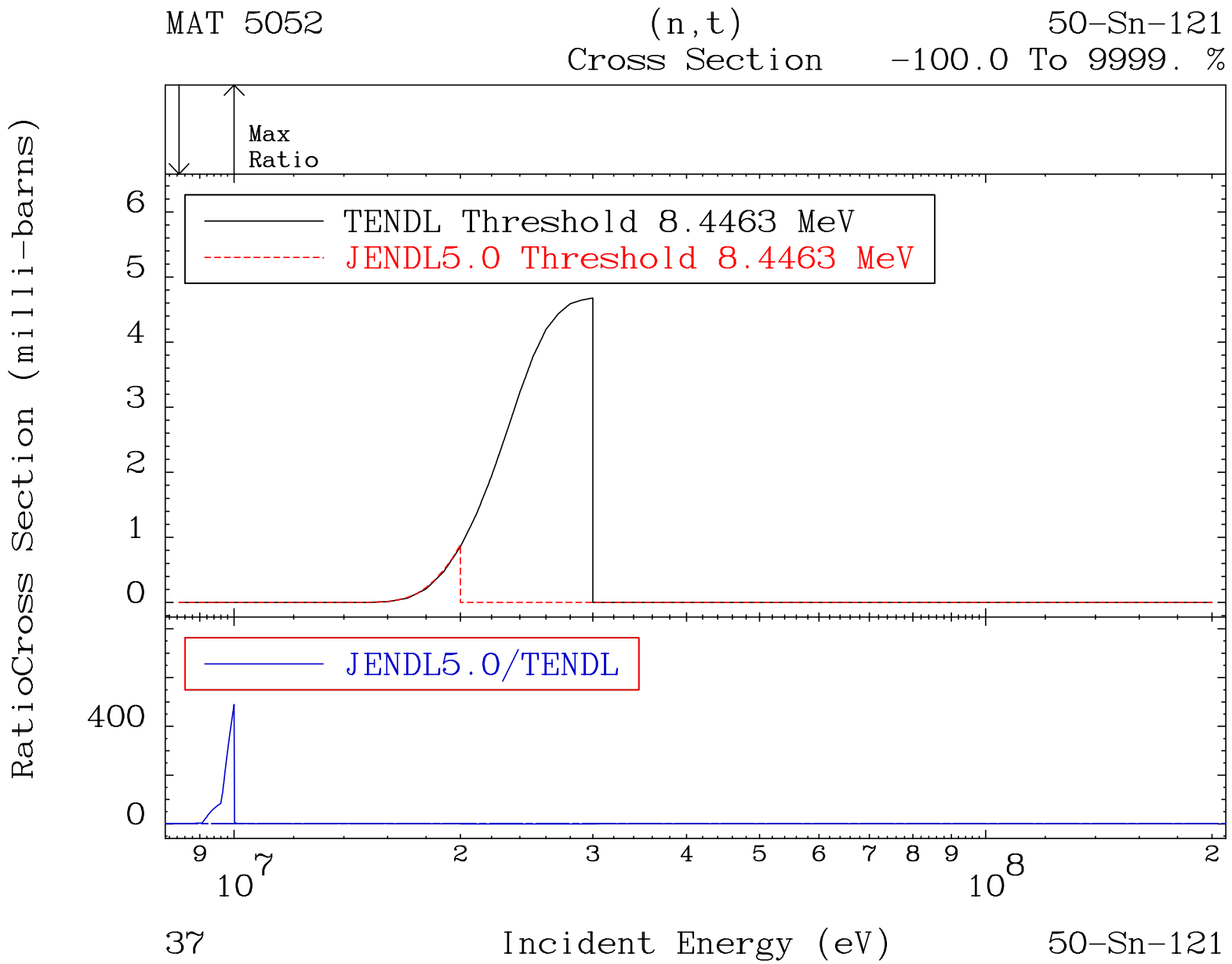

MAT 5052
MT= 73 (n,n') Level
50-Sn-121
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.6670 MeV
JENDL5.0 Threshold 1.6670 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
6
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
50-Sn-121

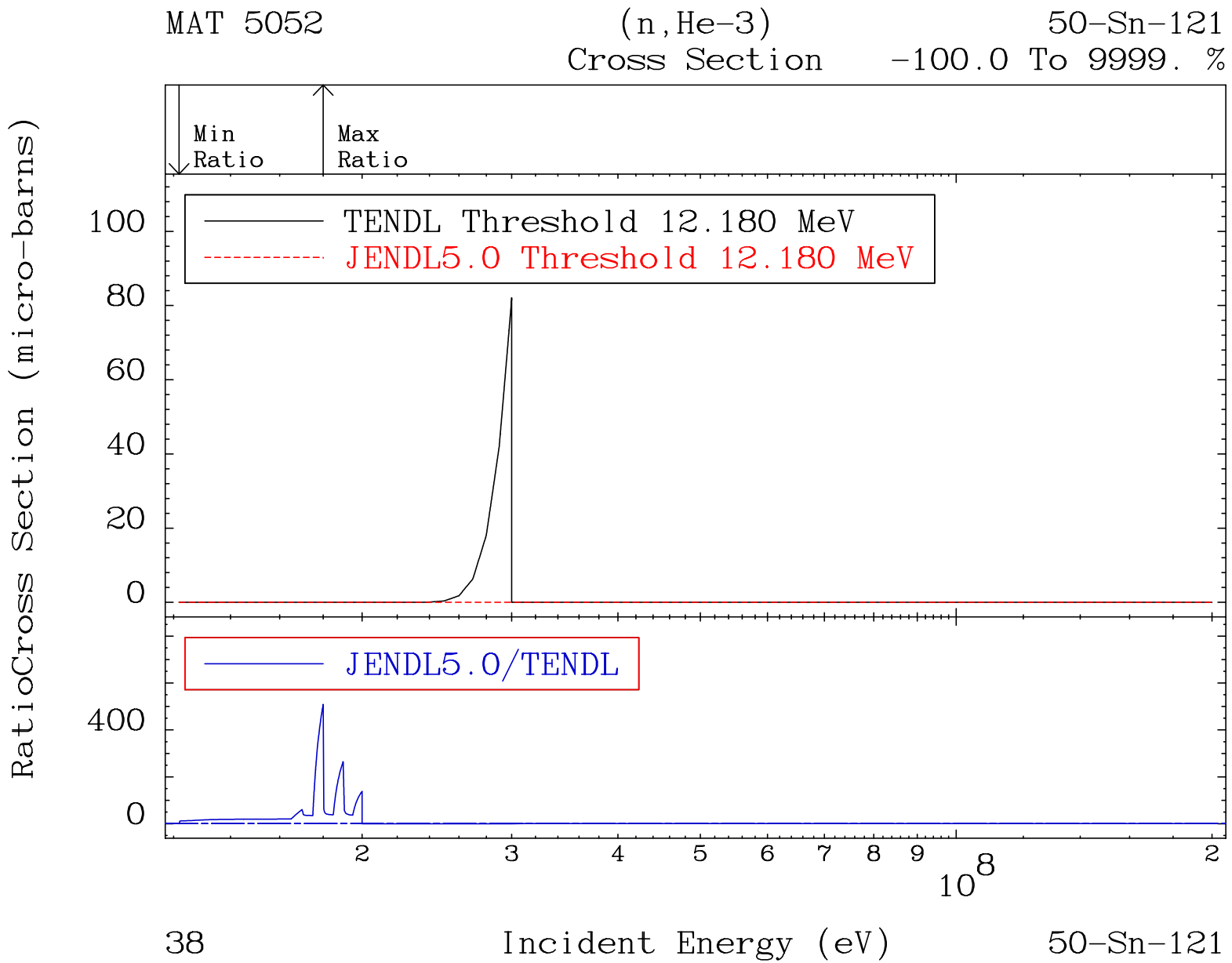

MAT 5052
(n,n') Continuum
Cross Section
50-Sn-121
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.9259 MeV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
200
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
33
Incident Energy (eV)
50-Sn-121

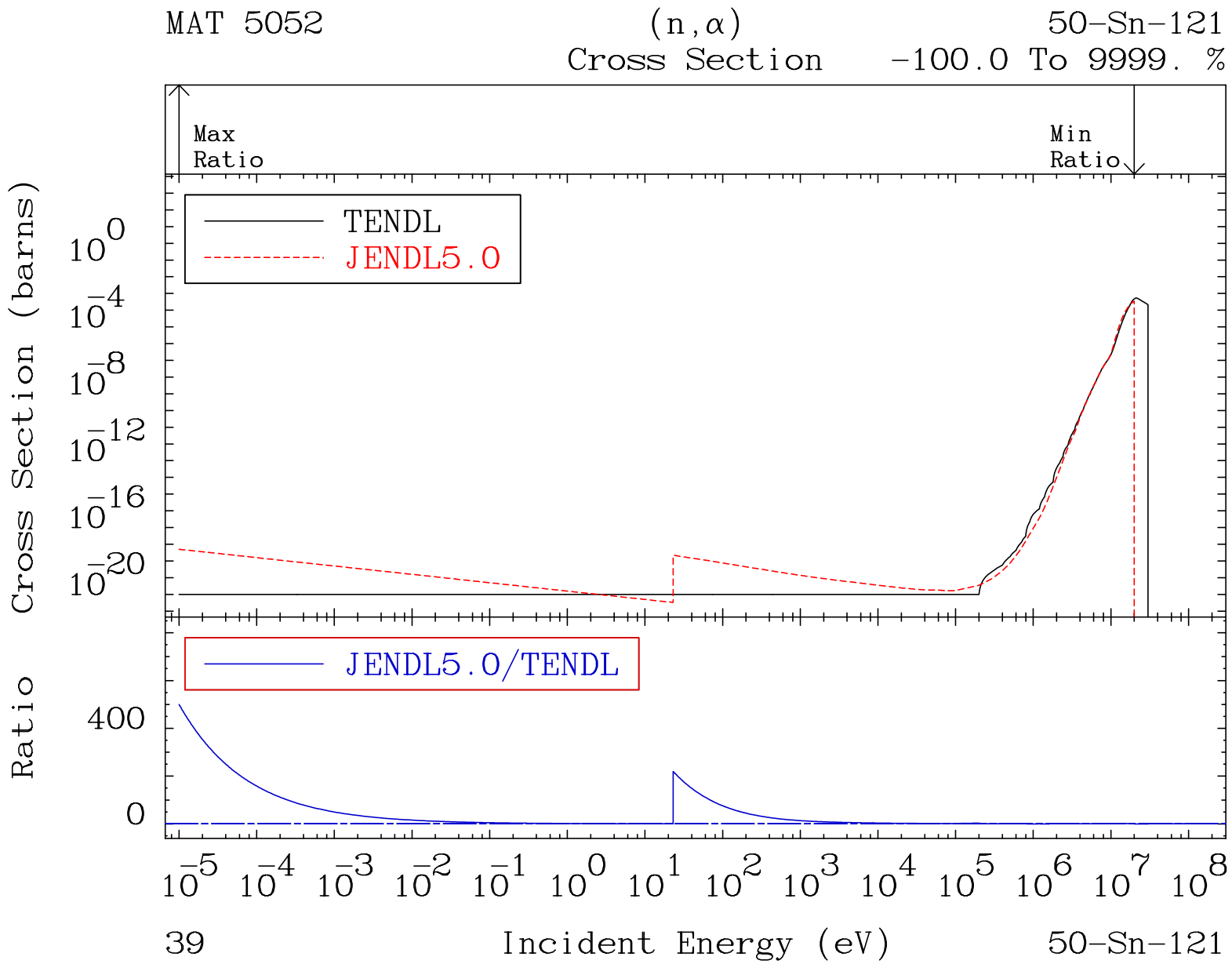

MAT 5052
(n,γ)
Cross Section
50-Sn-121
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^4
10^2
10^0
10^-2
JENDL5.0/TENDL
Ratio
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
34
Incident Energy (eV)
50-Sn-121

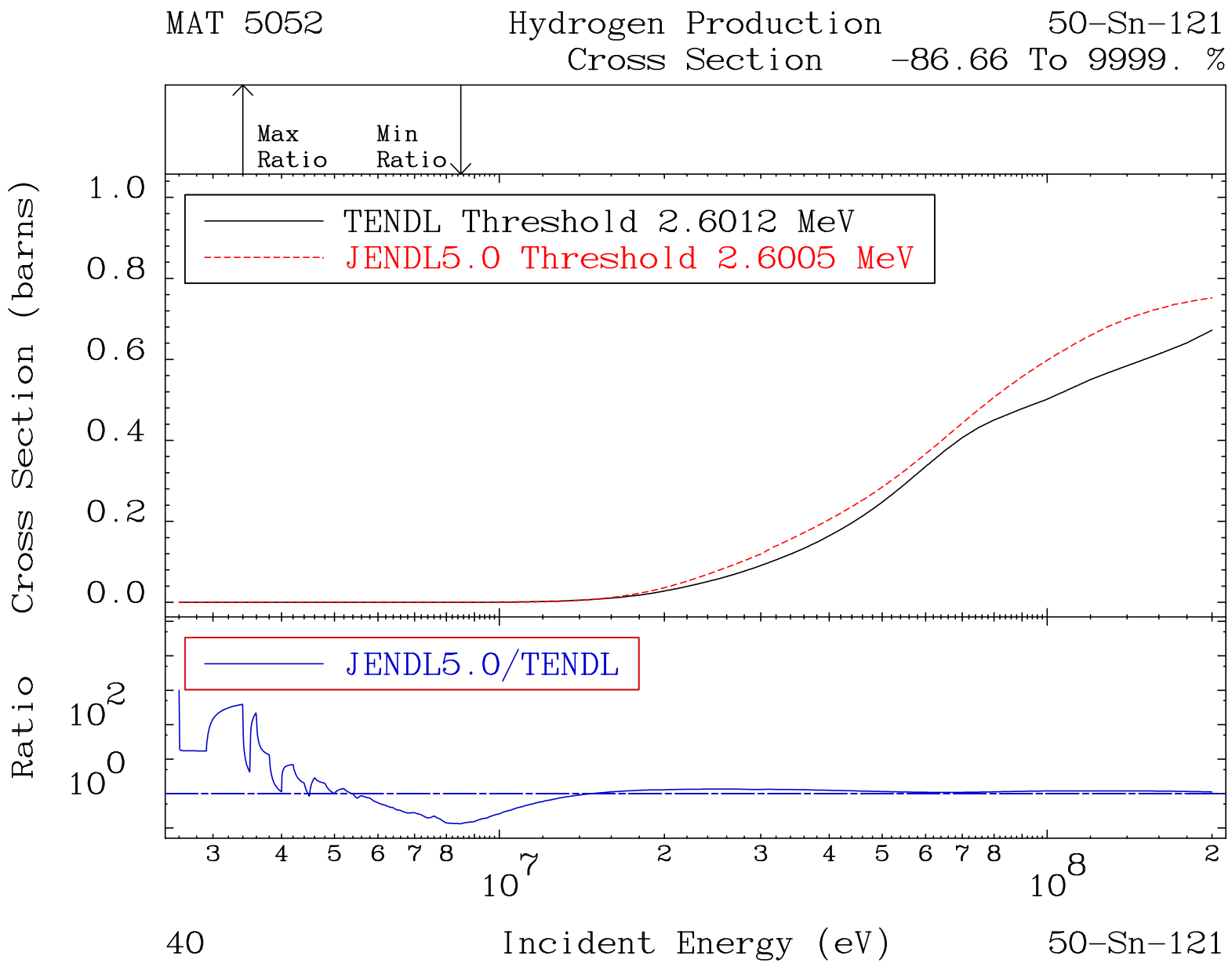

MAT 5052
(n,p)
Cross Section
50-Sn-121
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.6012 MeV
JENDL5.0 Threshold 2.6005 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
600
400
200
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
50-Sn-121

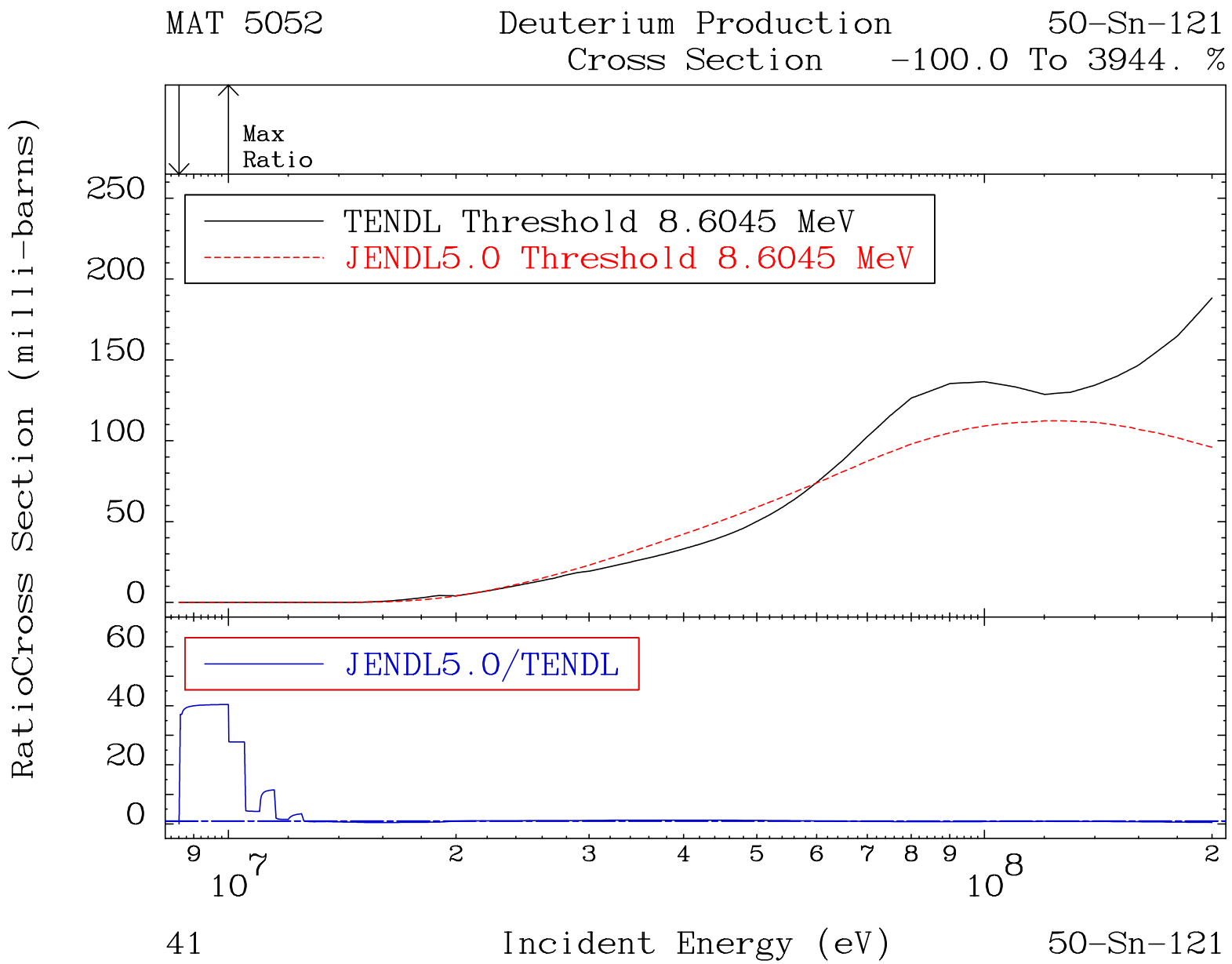

MAT 5052
(n,d)
50-Sn-121
Cross Section
-100.0 To 3944. %
Max
Ratio
TENDL Threshold 8.6045 MeV
JENDL5.0 Threshold 8.6045 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
60
40
20
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
36
Incident Energy (eV)
50-Sn-121

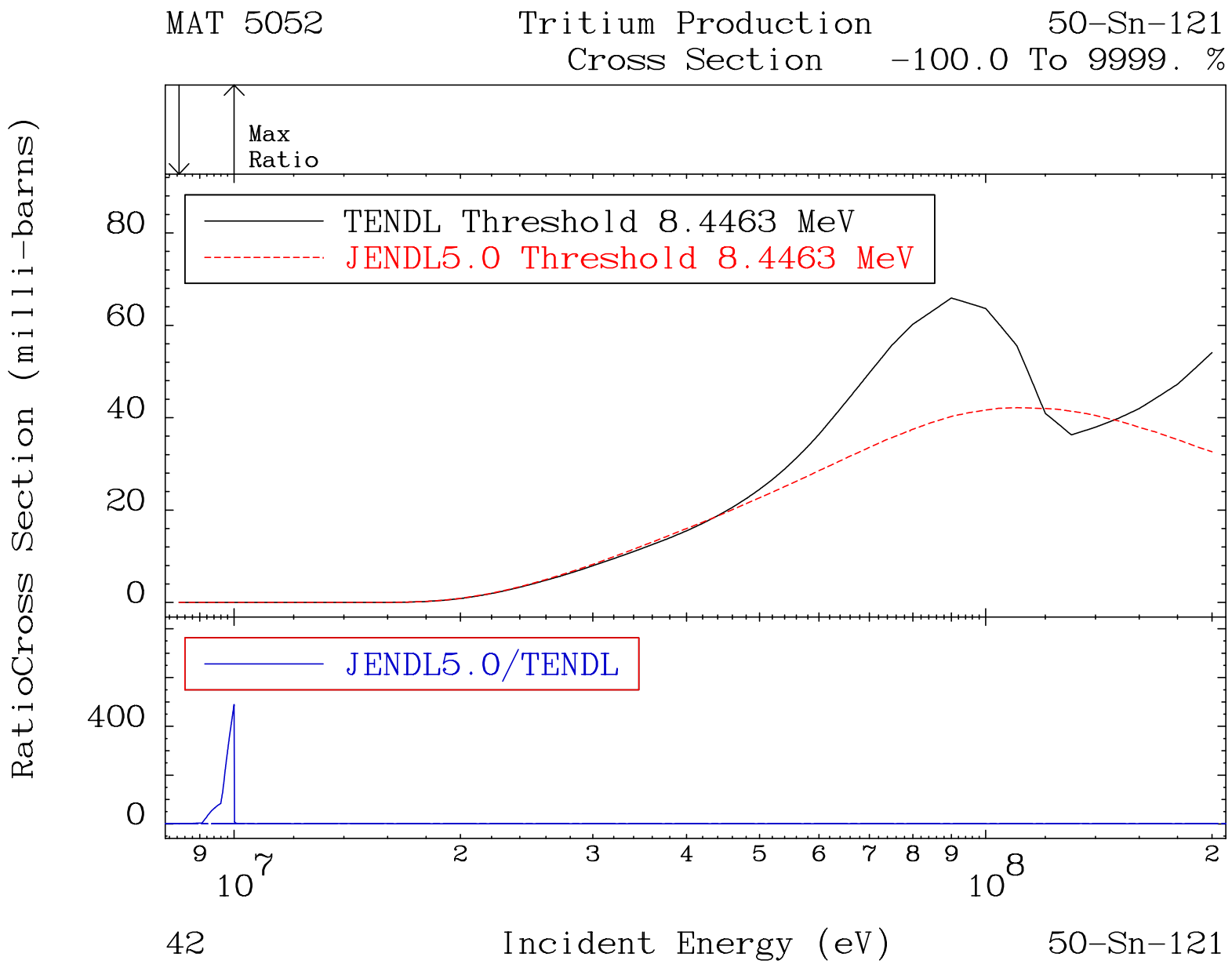

MAT 5052
(n,t)
50-Sn-121
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 8.4463 MeV
JENDL5.0 Threshold 8.4463 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
6
5
4
3
2
1
0
400
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
37
Incident Energy (eV)
50-Sn-121

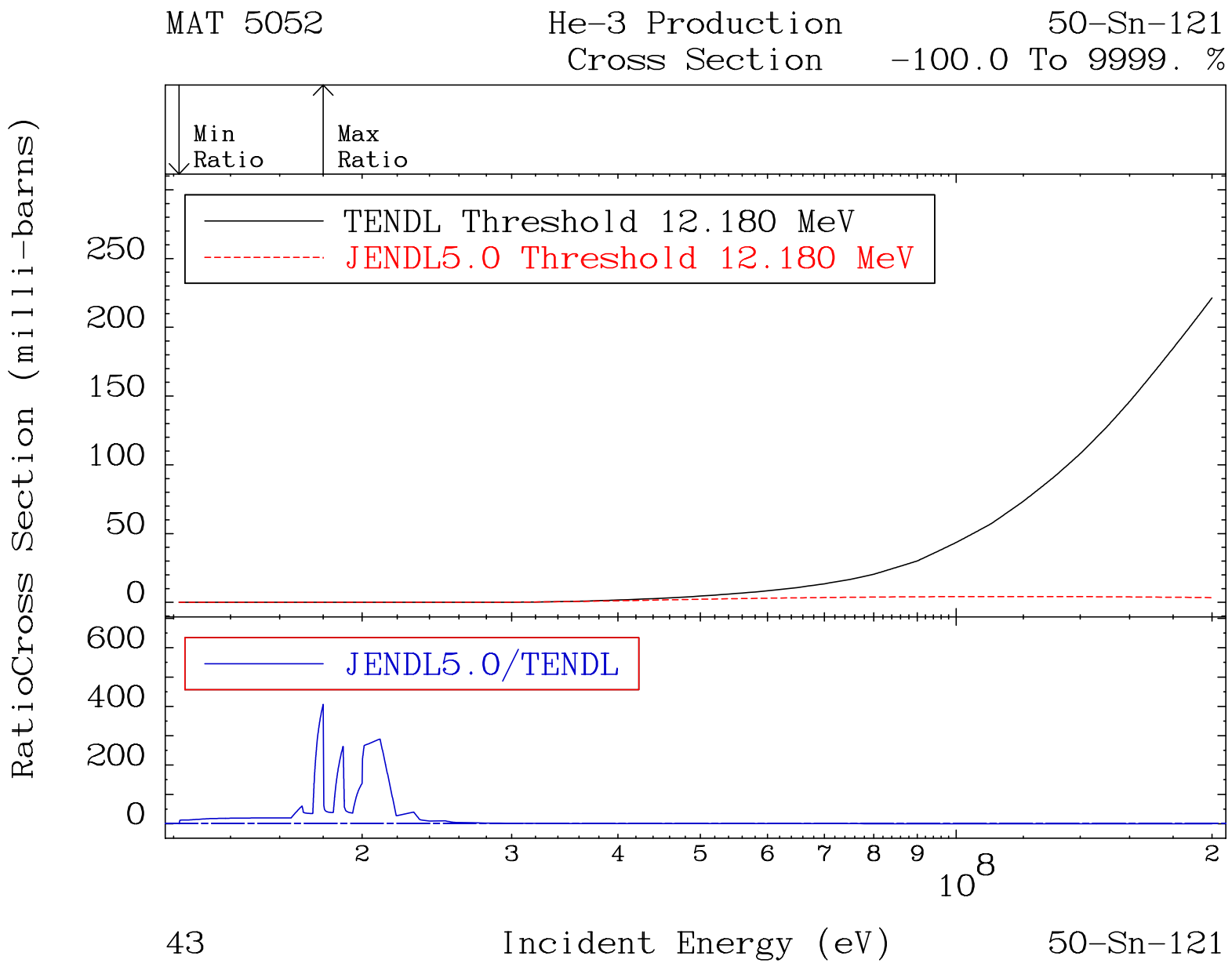

MAT 5052
(n,He-3)
50-Sn-121
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 12.180 MeV
JENDL5.0 Threshold 12.180 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
100
80
60
40
20
0
400
0
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
50-Sn-121

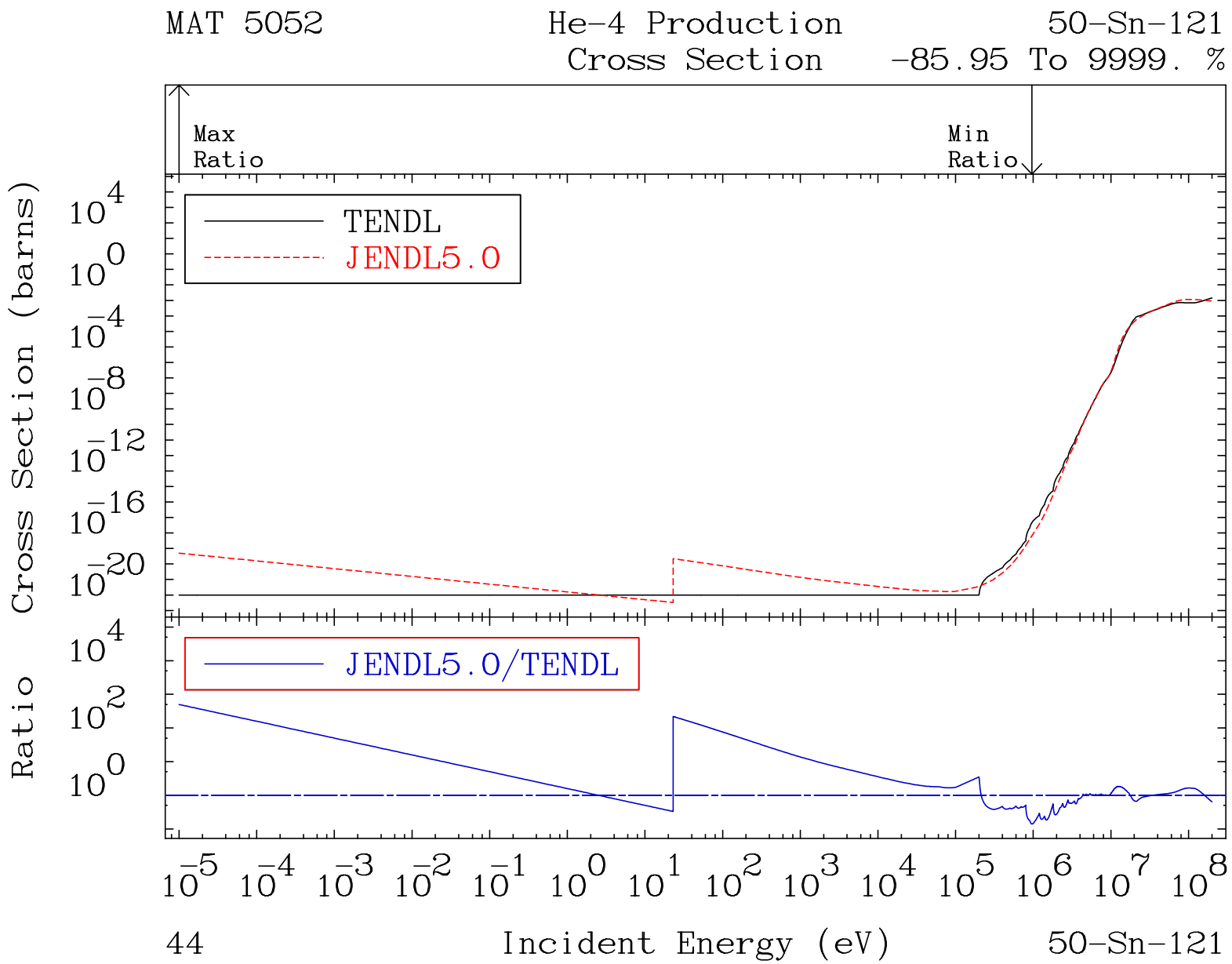

MAT 5052
(n,α)
Cross Section
50-Sn-121
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
50-Sn-121

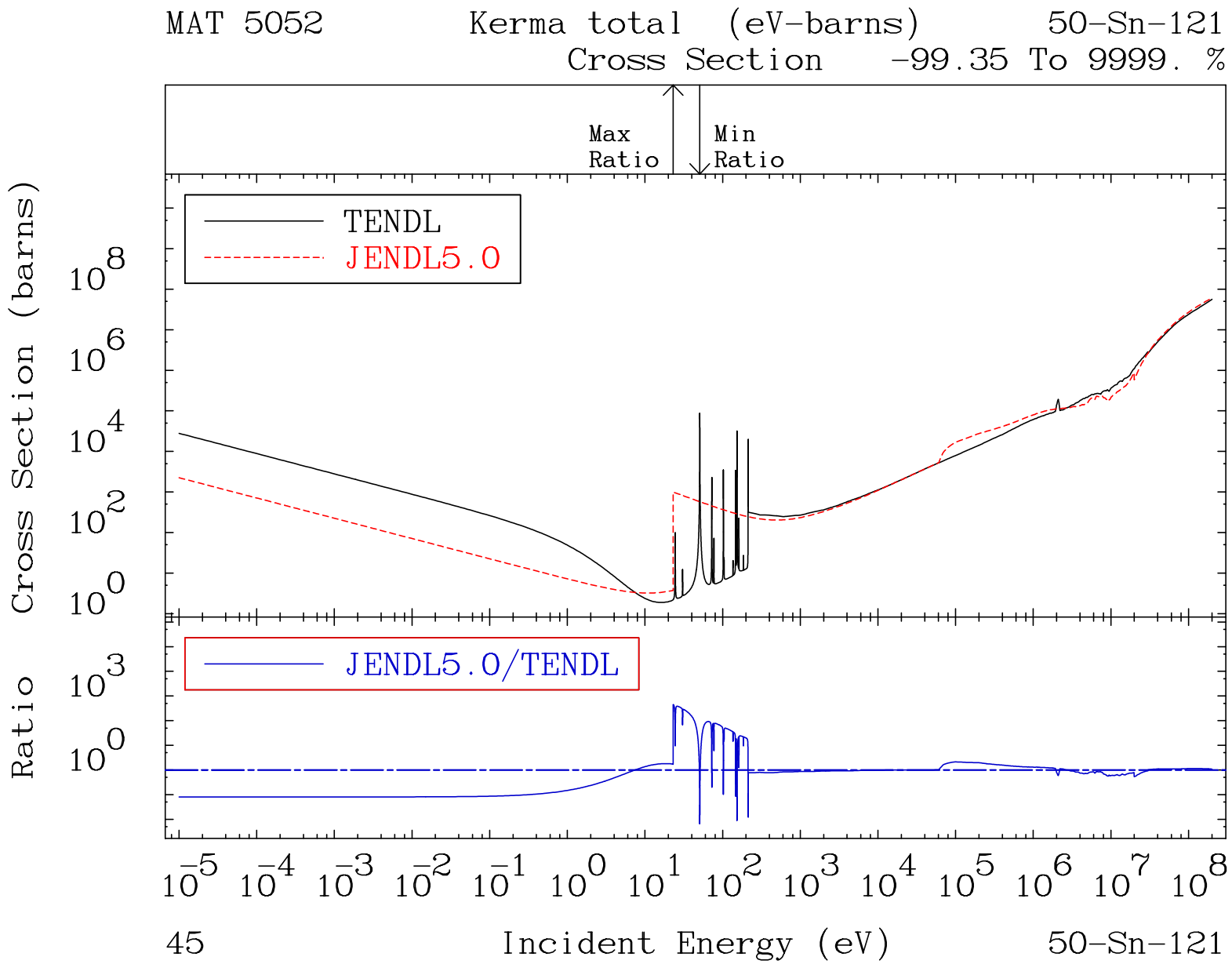

MAT 5052
Hydrogen Production
50-Sn-121
Cross Section
-86.66 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.6012 MeV
JENDL5.0 Threshold 2.6005 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
10^2
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
40
Incident Energy (eV)
50-Sn-121

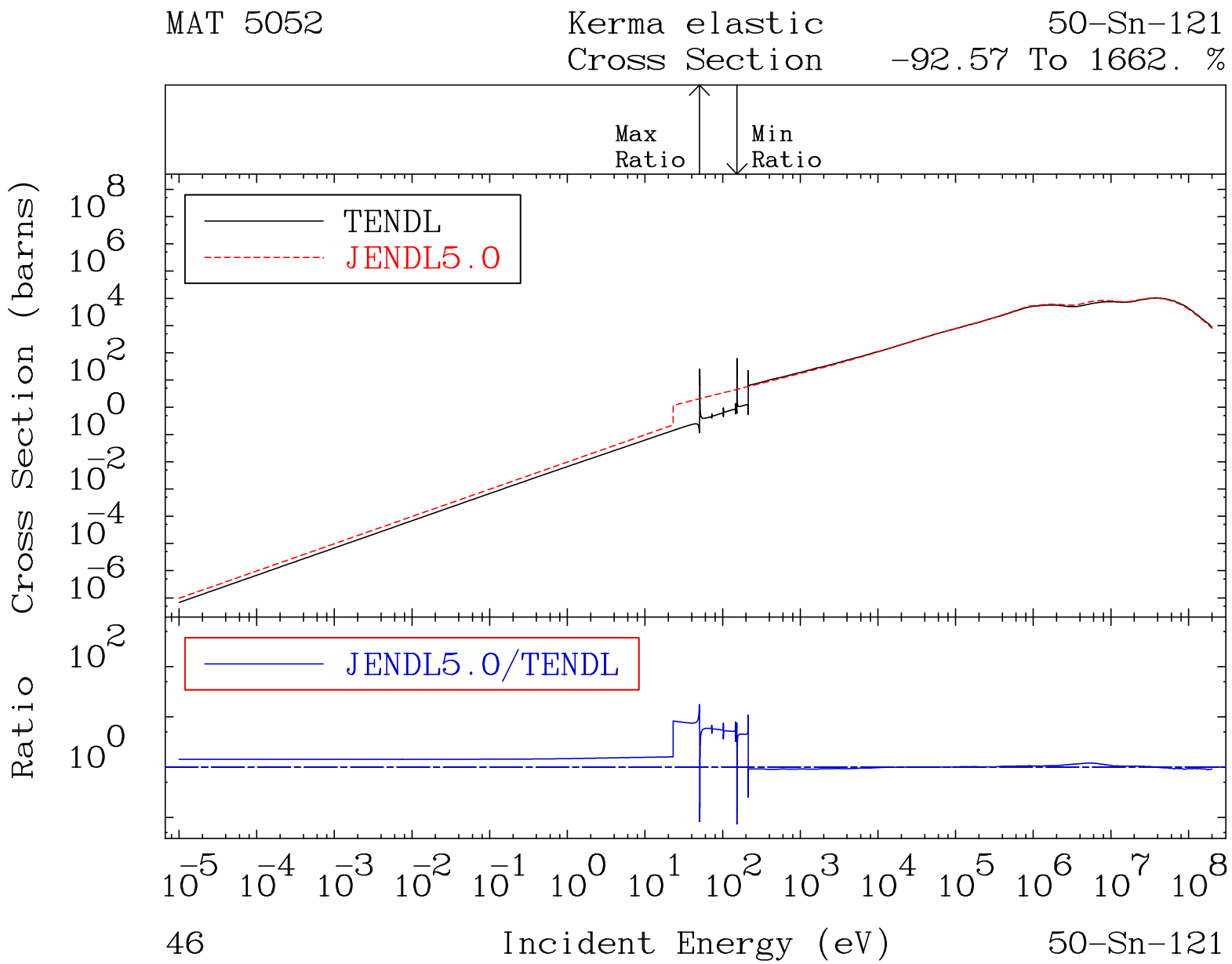

MAT 5052
Deuterium Production
50-Sn-121
Cross Section -100.0 To 3944. %
Max
Ratio
TENDL Threshold 8.6045 MeV
JENDL5.0 Threshold 8.6045 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
60
40
20
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
50-Sn-121

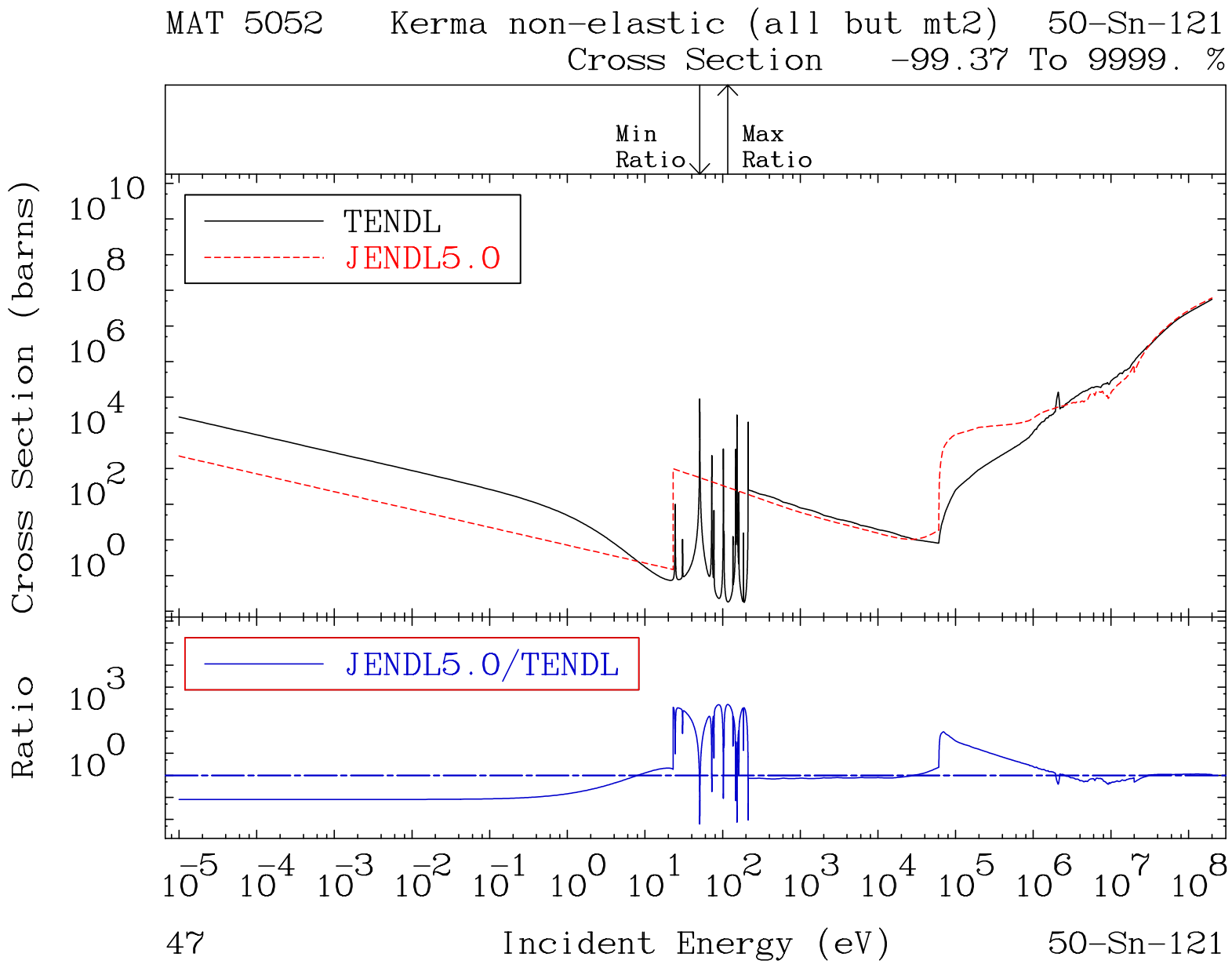

MAT 5052
Tritium Production
50-Sn-121
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 8.4463 MeV
JENDL5.0 Threshold 8.4463 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
400
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
42
Incident Energy (eV)
50-Sn-121

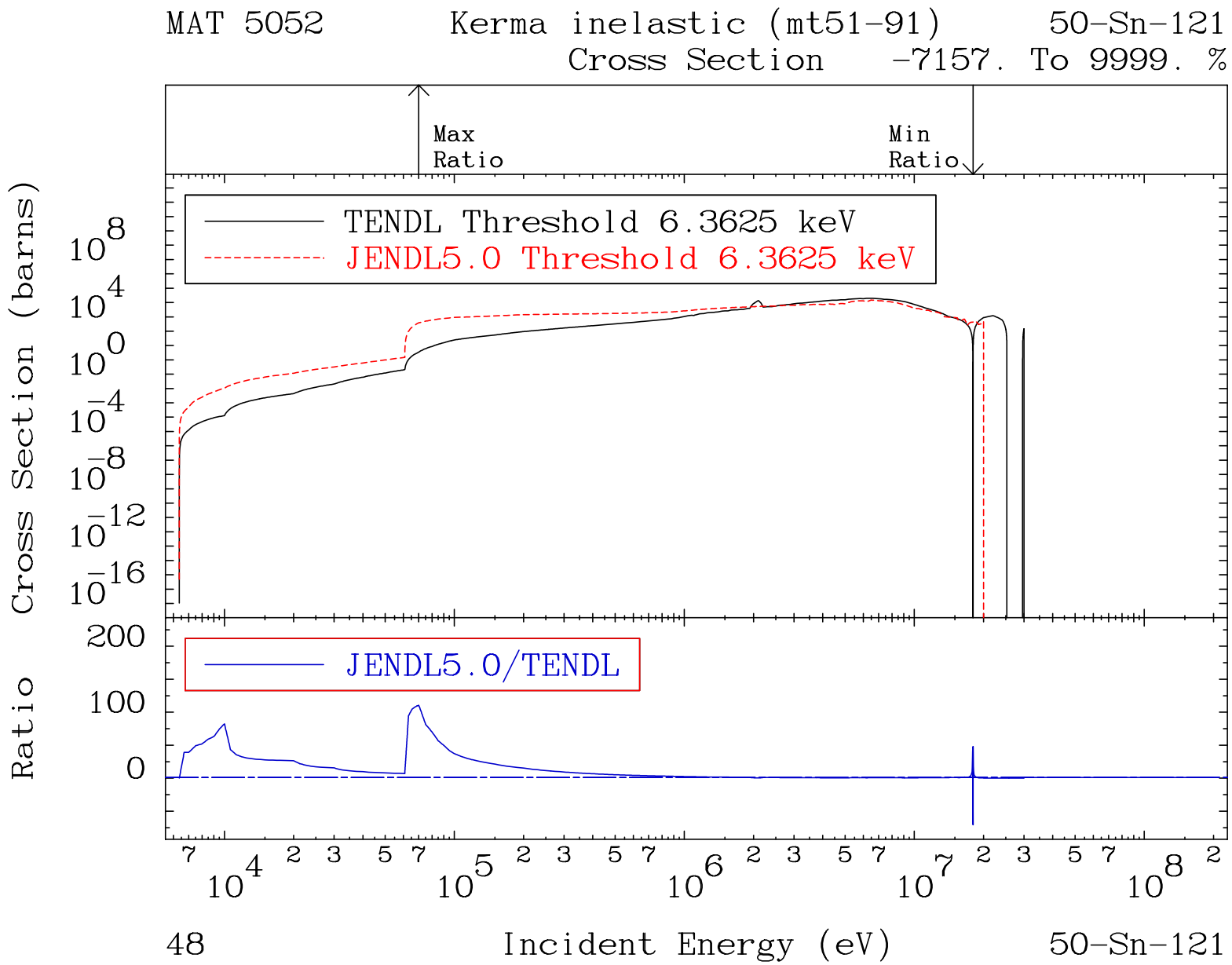

MAT 5052
He-3 Production
Cross Section
50-Sn-121
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 12.180 MeV
JENDL5.0 Threshold 12.180 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
600
400
200
0
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
50-Sn-121

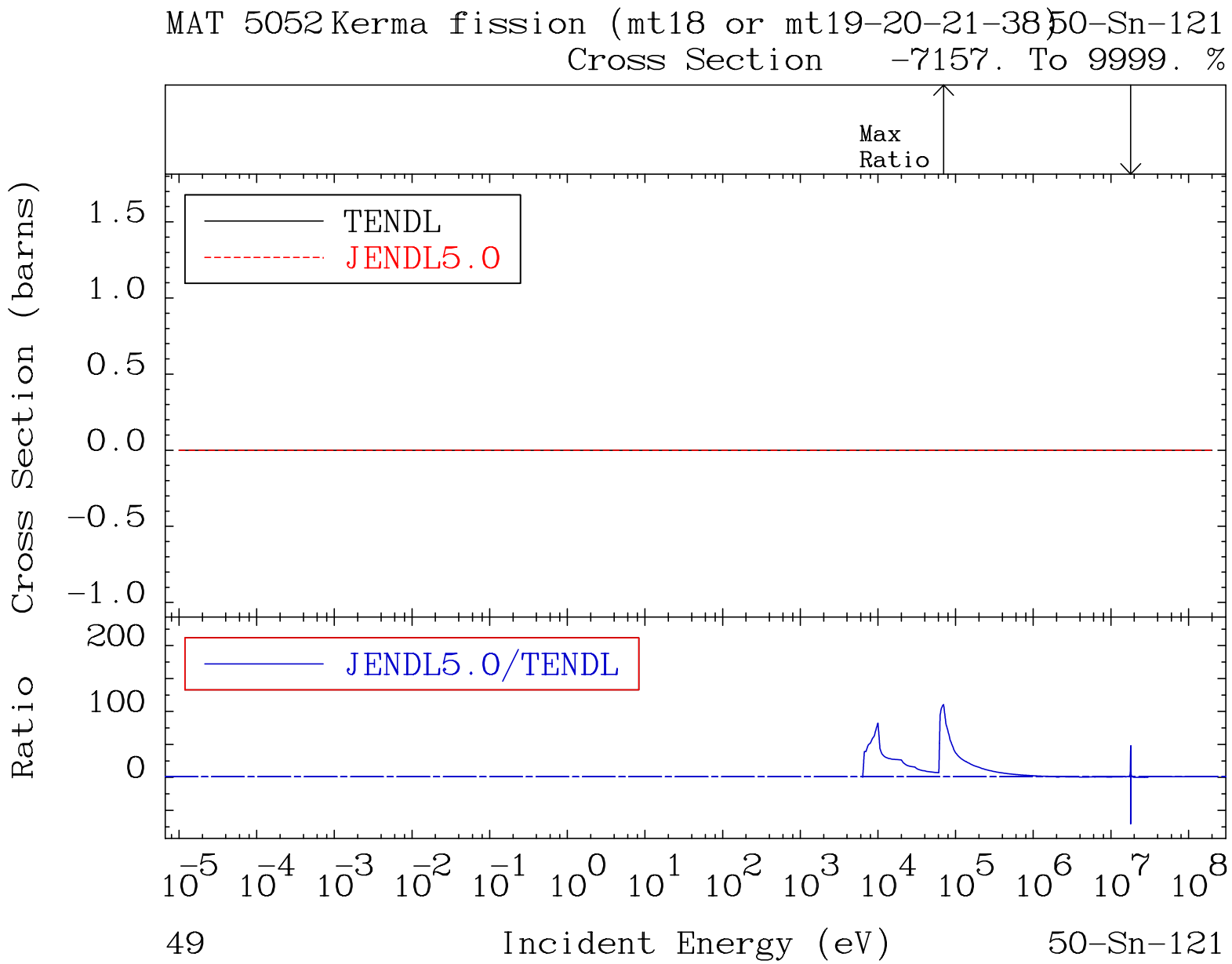

MAT 5052
He-4 Production
Cross Section
50-Sn-121
-85.95 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
50-Sn-121

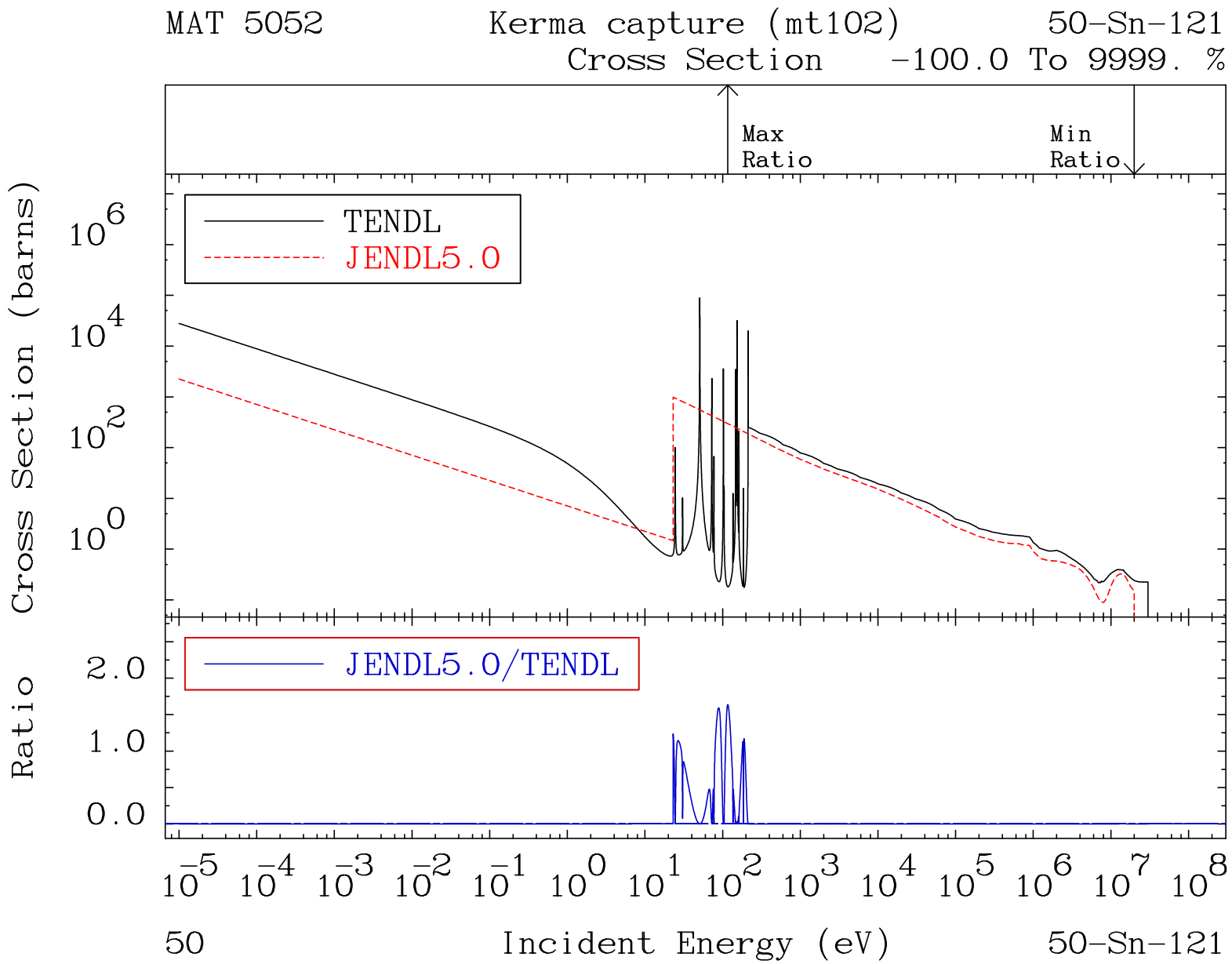

MAT 5052
Kerma total (eV-barns)
50-Sn-121
Cross Section -99.35 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
50-Sn-121

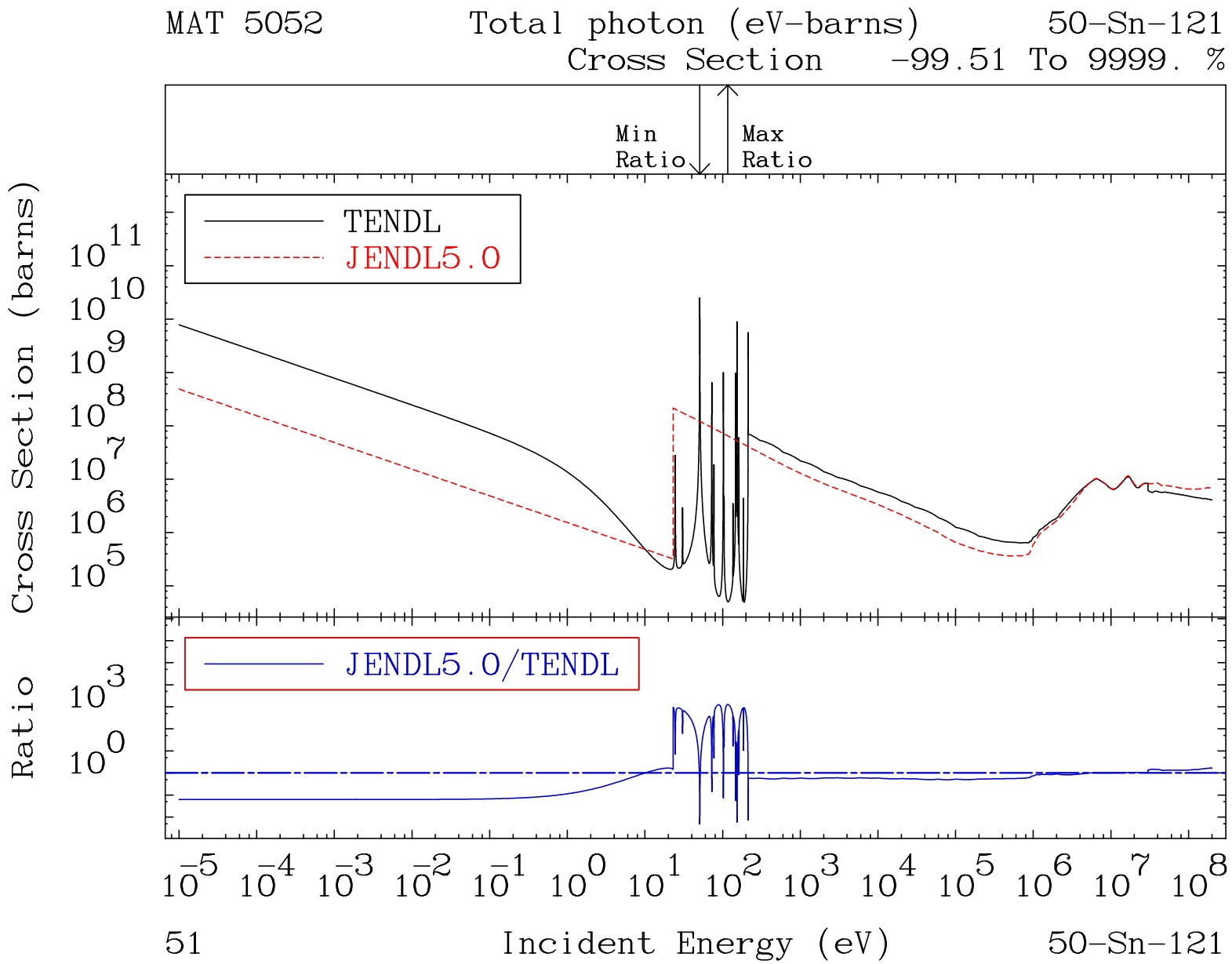

MAT 5052
Kerma elastic
Cross Section
50-Sn-121
-92.57 To 1662. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
50-Sn-121

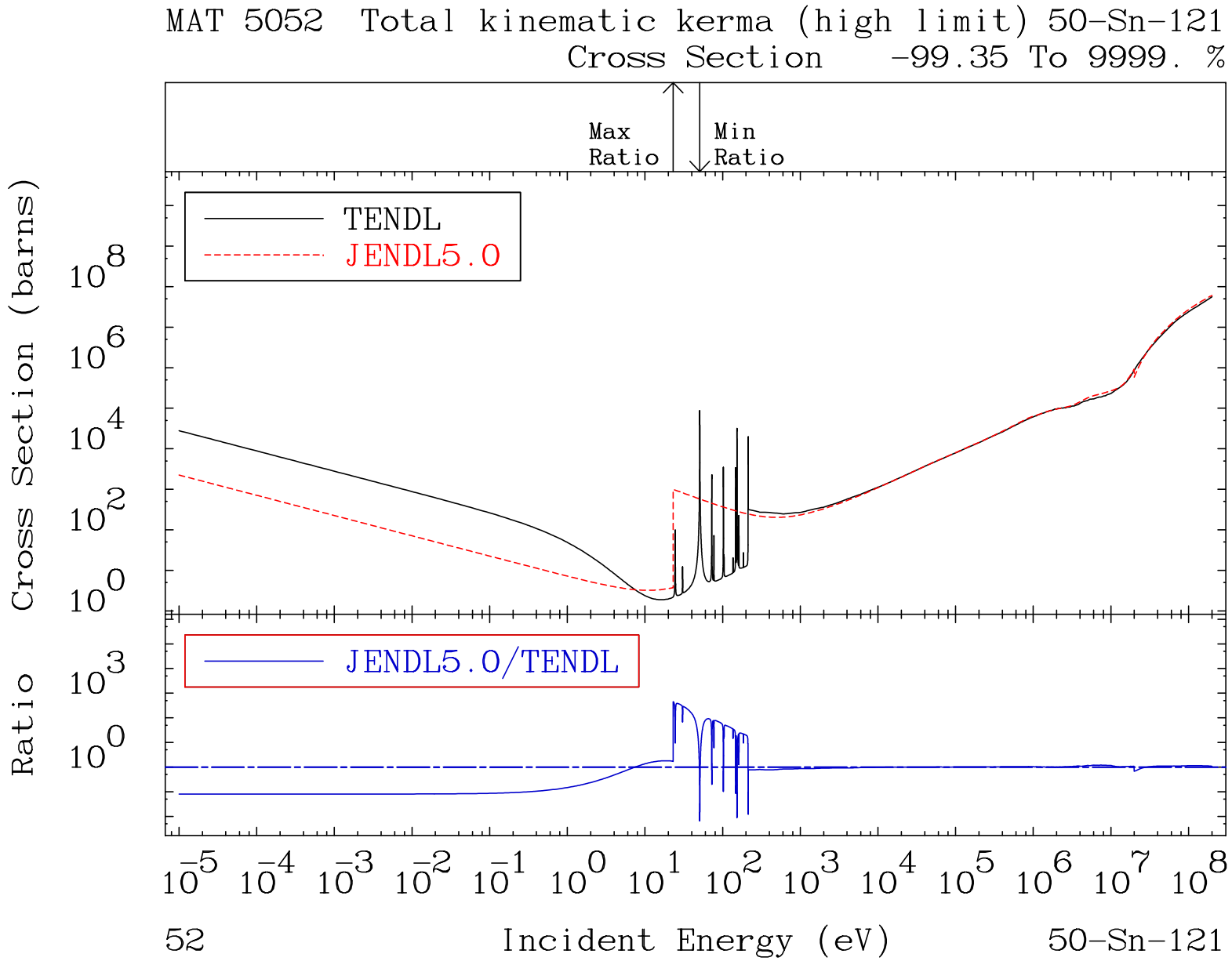

MAT 5052 Kerma non-elastic (all but mt2) 50-Sn-121
Cross Section -99.37 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
50-Sn-121

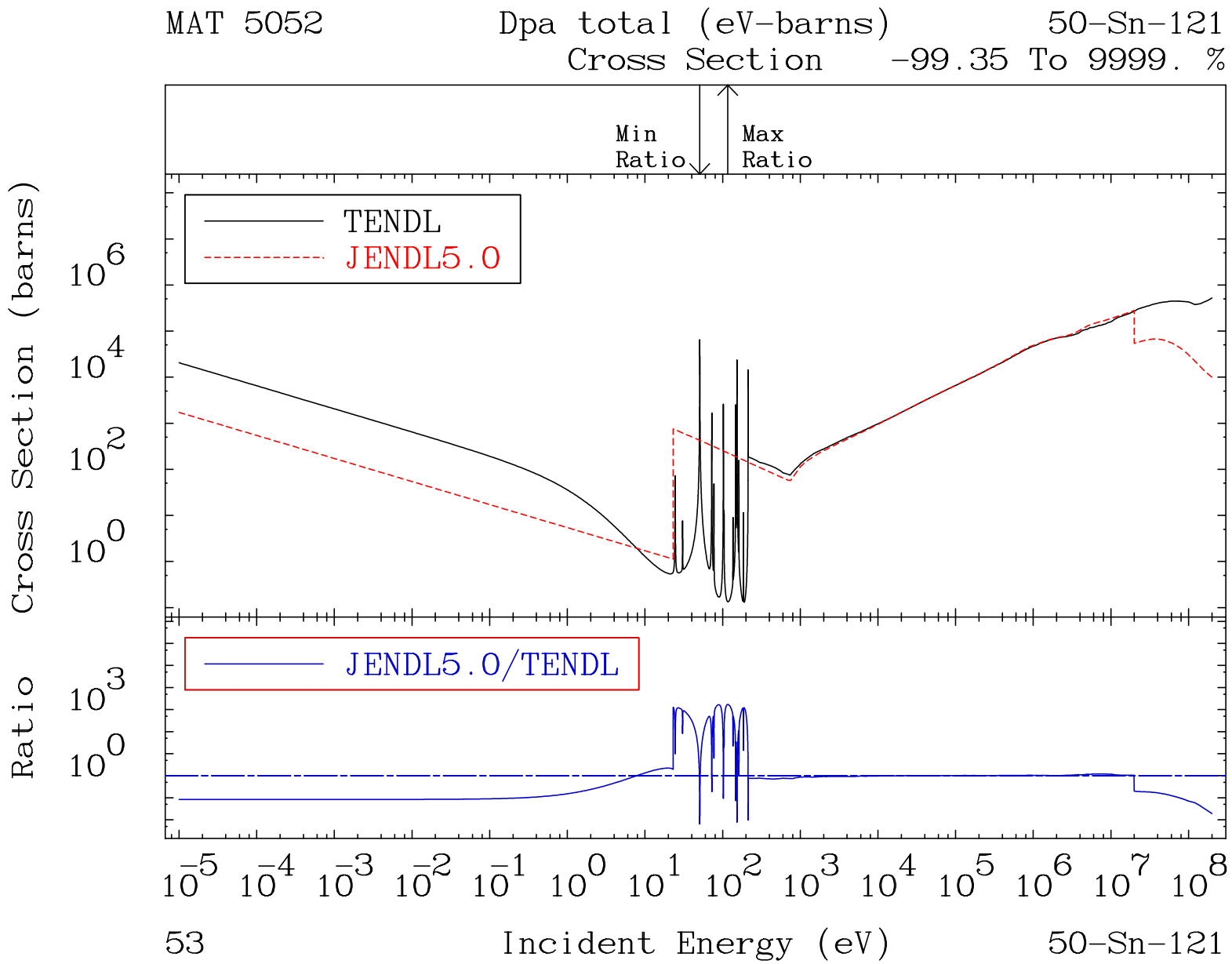

MAT 5052
Kerma inelastic (mt51-91)
50-Sn-121
Cross Section -7157. To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.3625 keV
JENDL5.0 Threshold 6.3625 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
50-Sn-121

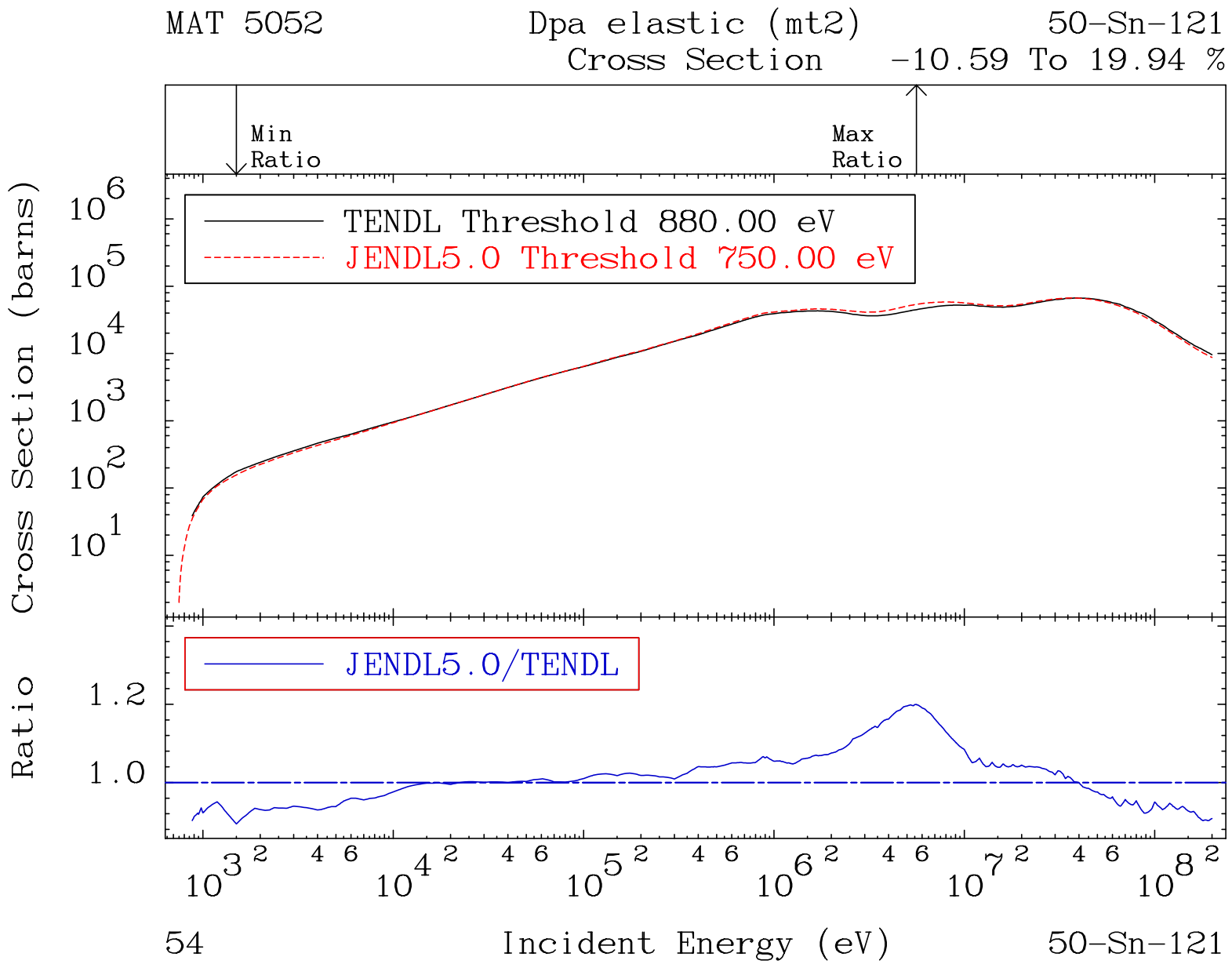

MAT 5052 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-121
Cross Section -7157. To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
200
100
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
49
Incident Energy (eV)
50-Sn-121

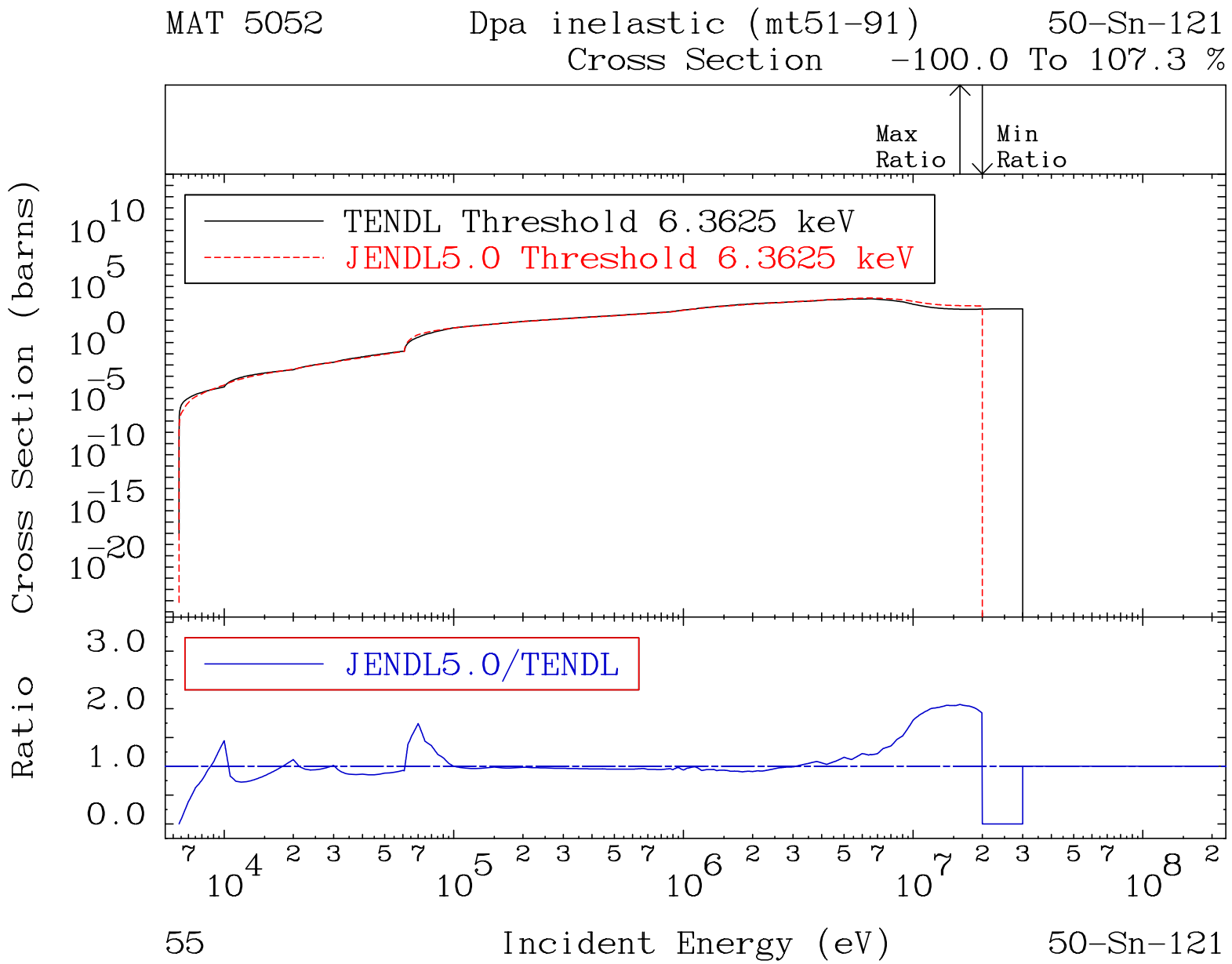

MAT 5052
Kerma capture (mt102)
50-Sn-121
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
50
50-Sn-121

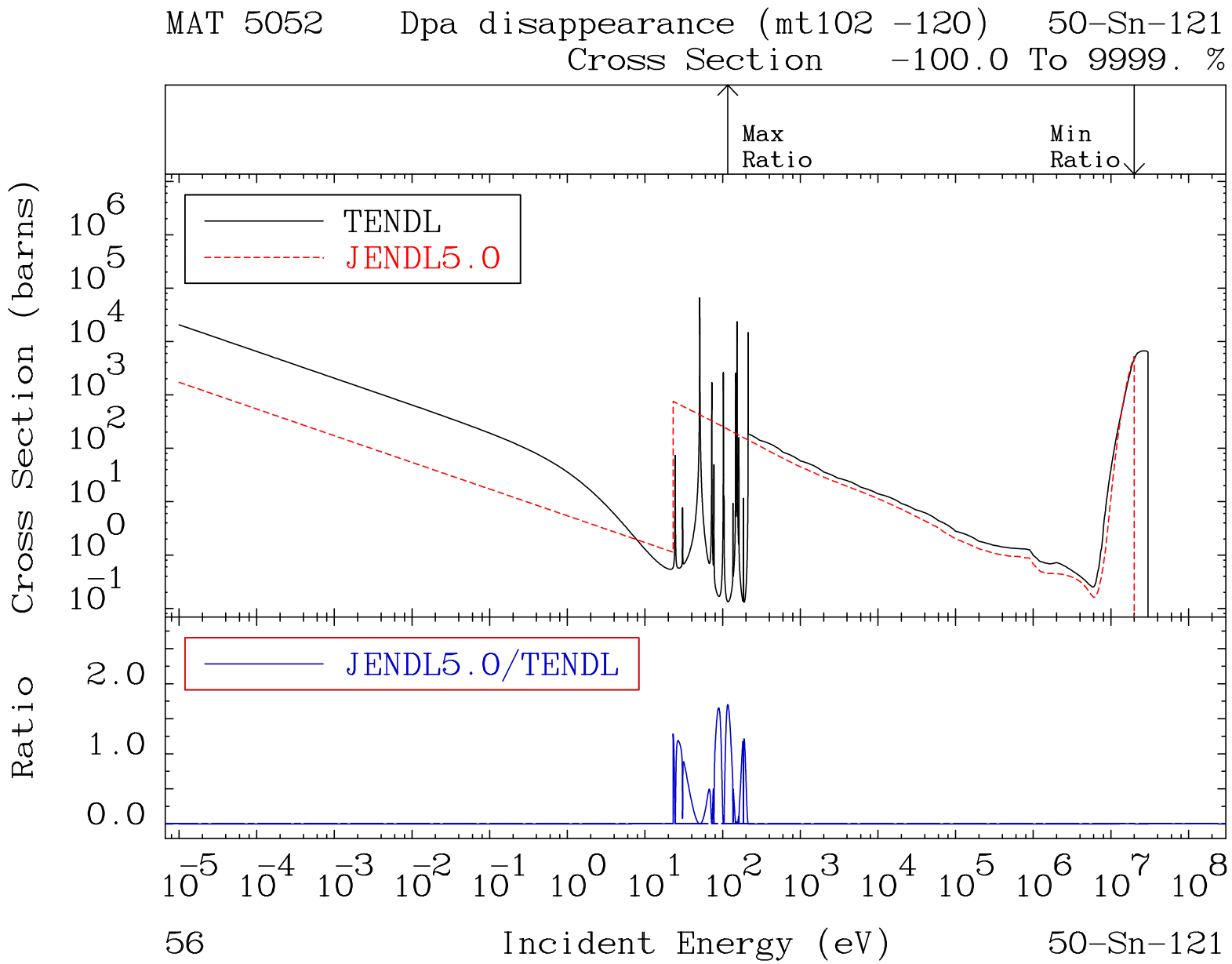

MAT 5052
Total photon (eV-barns)
50-Sn-121
Cross Section -99.51 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
51
50-Sn-121

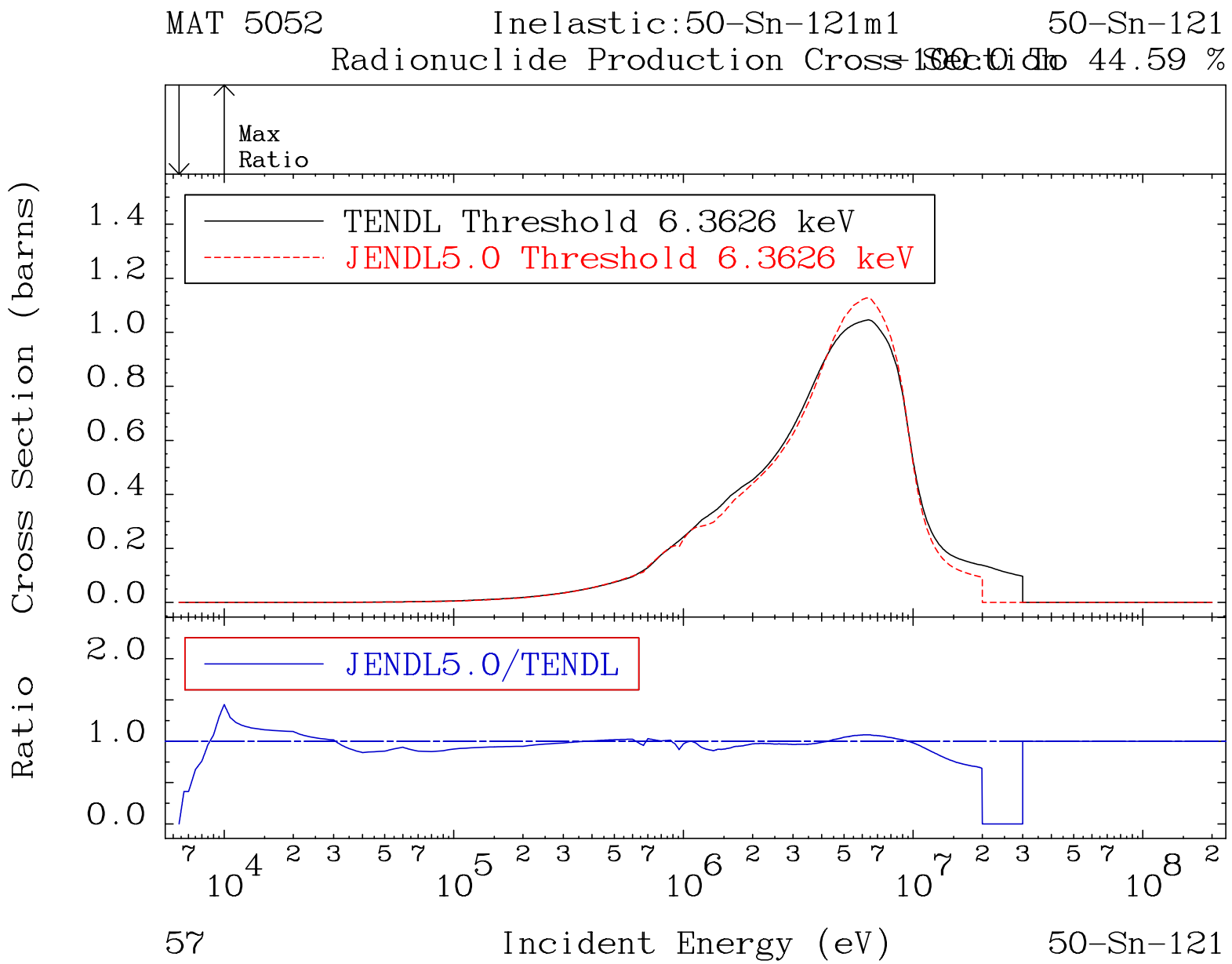

MAT 5052 Total kinematic kerma (high limit) 50-Sn-121
Cross Section -99.35 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
50-Sn-121

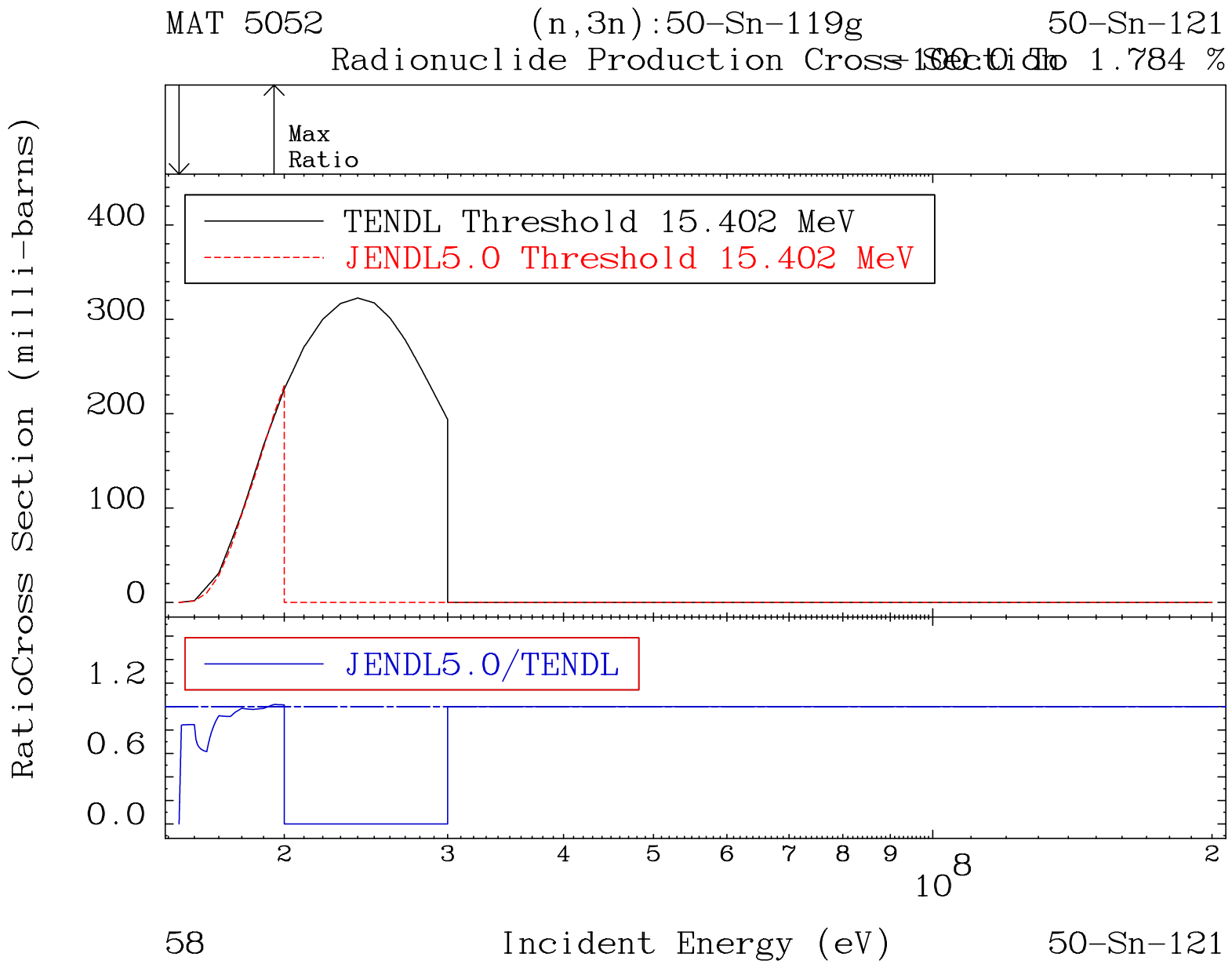

MAT 5052
Dpa total (eV-barns)
50-Sn-121
Cross Section -99.35 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
50-Sn-121

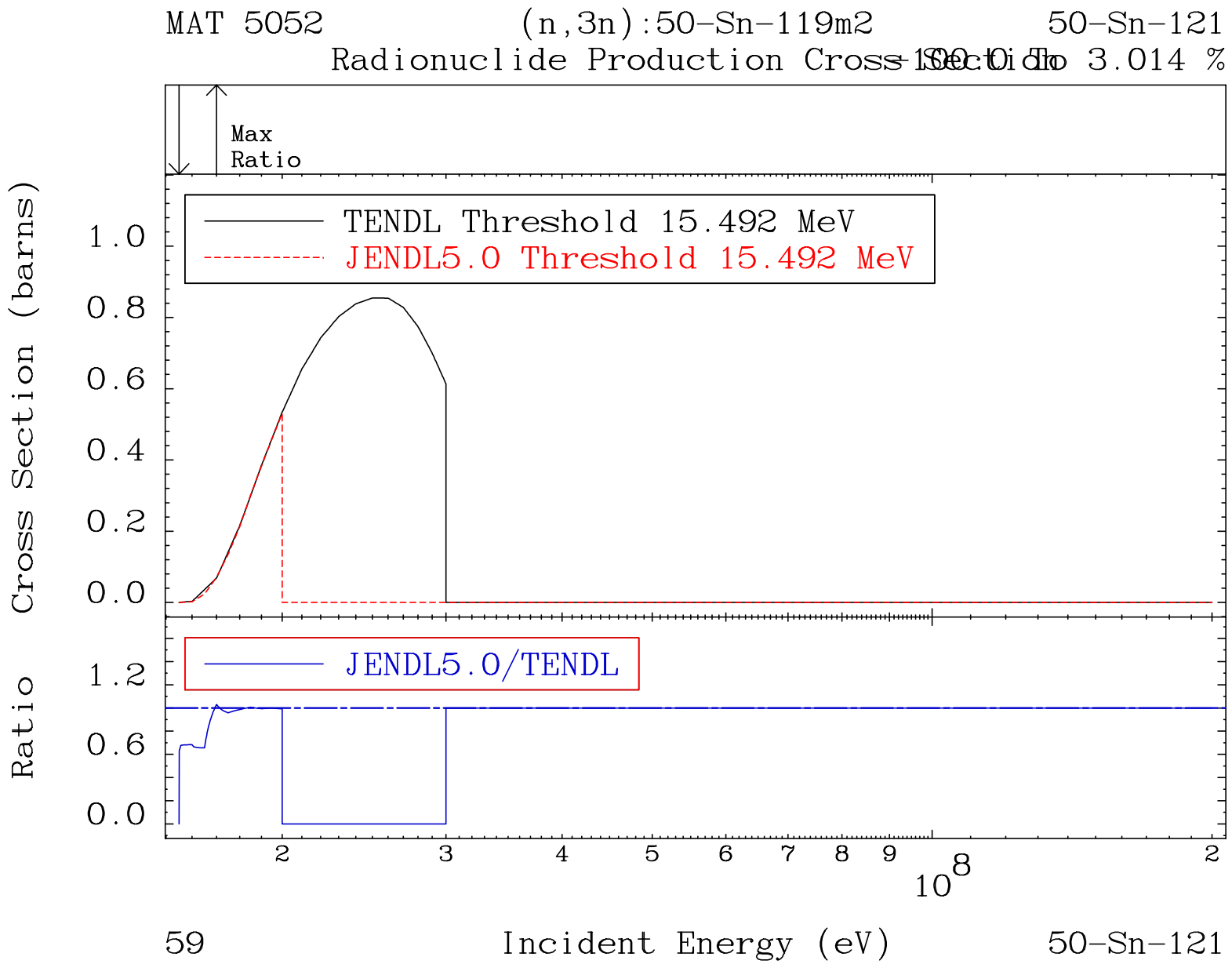

MAT 5052
Dpa elastic (mt2)
Cross Section
50-Sn-121
-10.59 To 19.94 %
Min Ratio
Max Ratio
TENDL Threshold 880.00 eV
JENDL5.0 Threshold 750.00 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
50-Sn-121

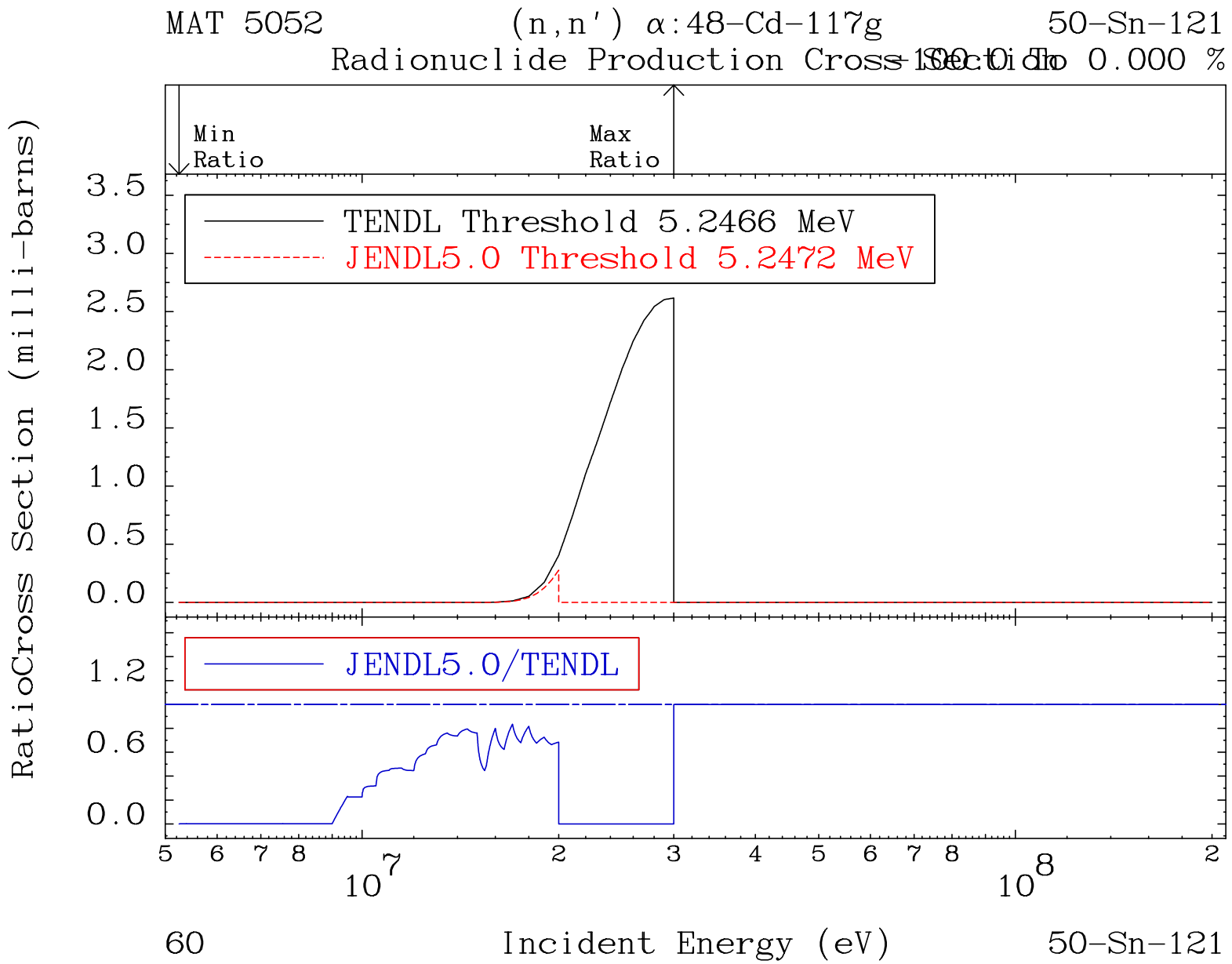

MAT 5052
Dpa inelastic (mt51-91)
50-Sn-121
Cross Section -100.0 To 107.3 %
Max Ratio
Min Ratio
TENDL Threshold 6.3625 keV
JENDL5.0 Threshold 6.3625 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
55
50-Sn-121

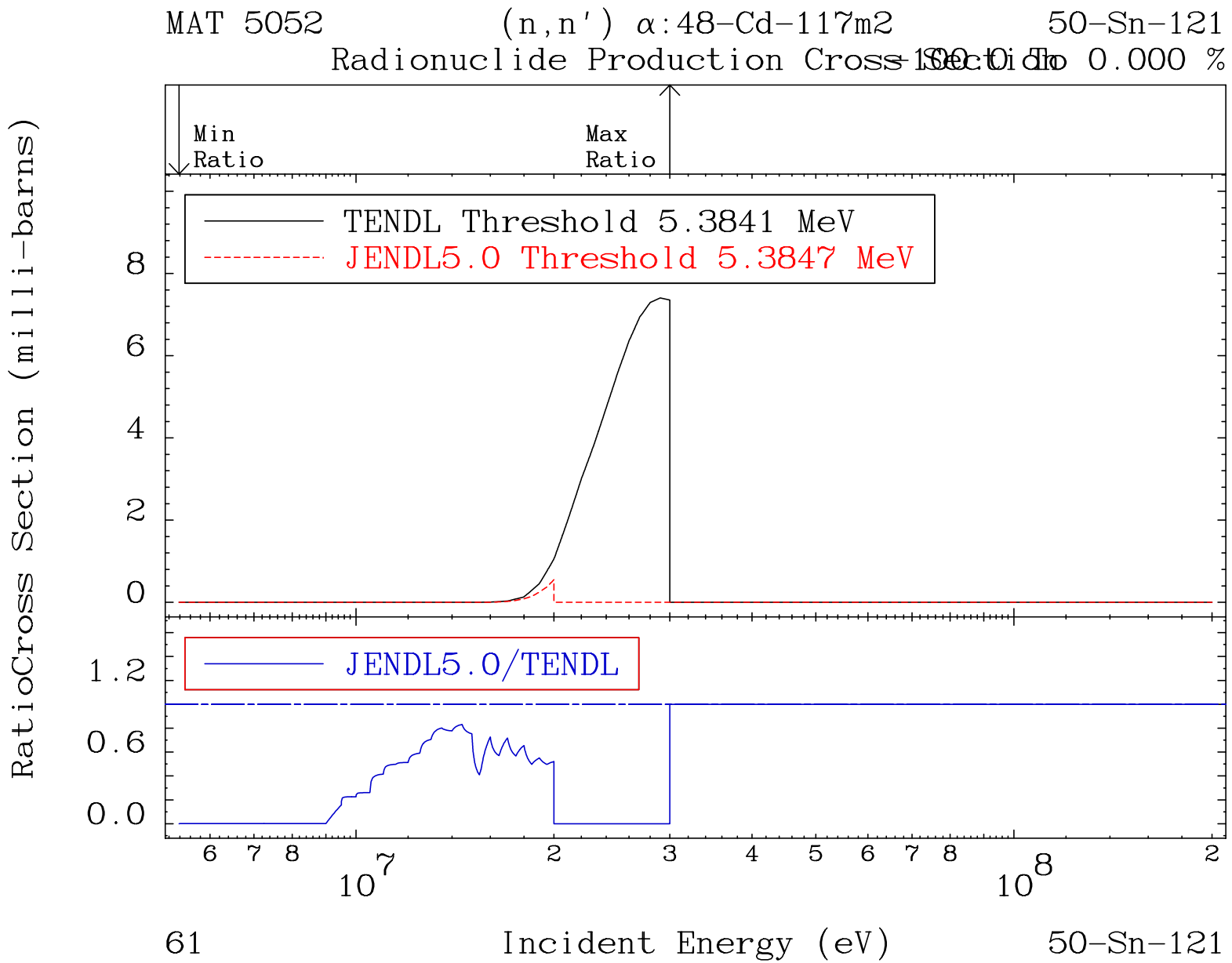

MAT 5052 Dpa disappearance (mt102 -120) 50-Sn-121
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
56
50-Sn-121

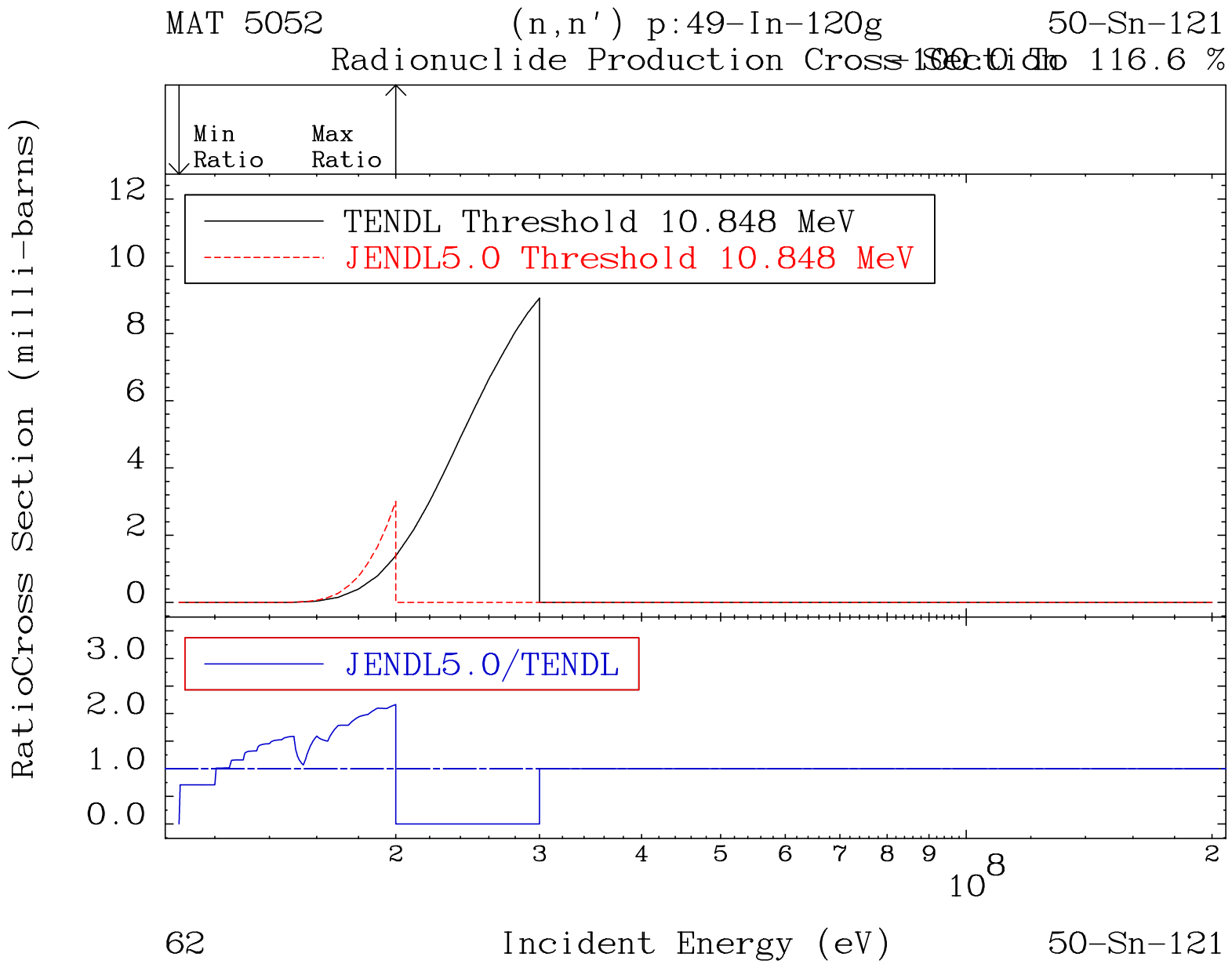

MAT 5052
Inelastic:50-Sn-121m1
50-Sn-121
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 6.3626 keV
JENDL5.0 Threshold 6.3626 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
50-Sn-121

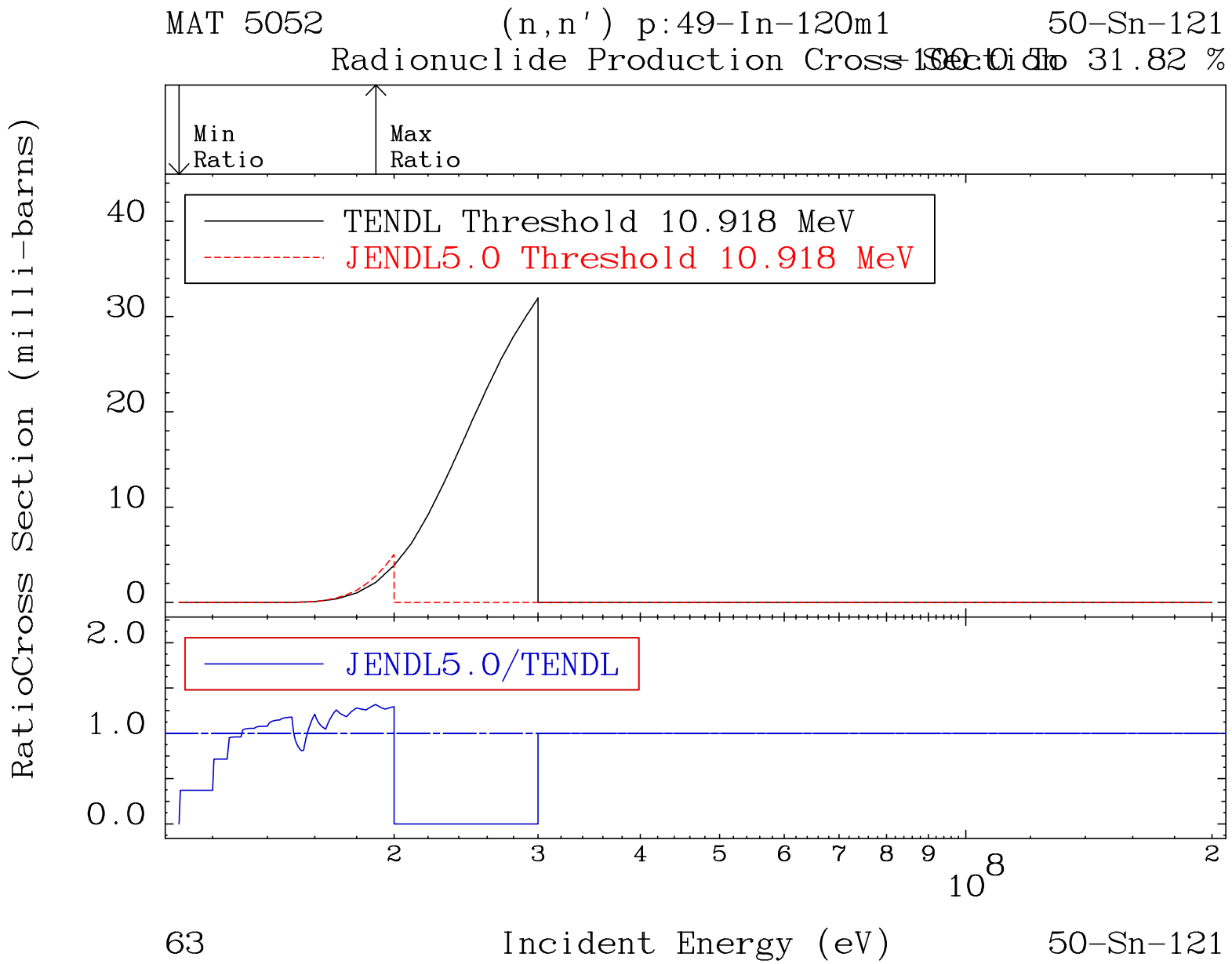

MAT 5052
(n,3n):50-Sn-119g
50-Sn-121
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 15.402 MeV
JENDL5.0 Threshold 15.402 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
50-Sn-121

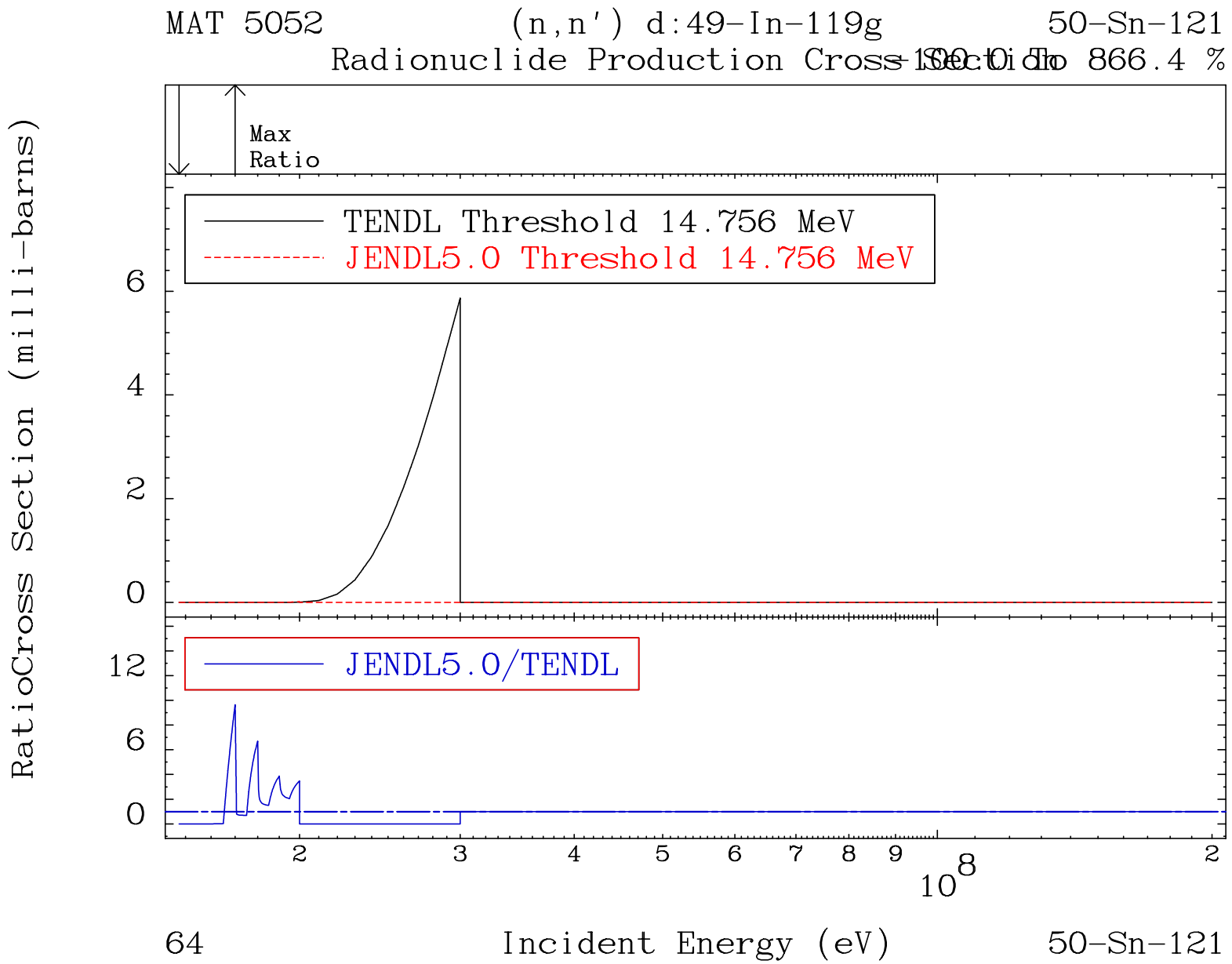

MAT 5052
(n,3n):50-Sn-119m2
50-Sn-121
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 15.492 MeV
JENDL5.0 Threshold 15.492 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
59
Incident Energy (eV)
50-Sn-121

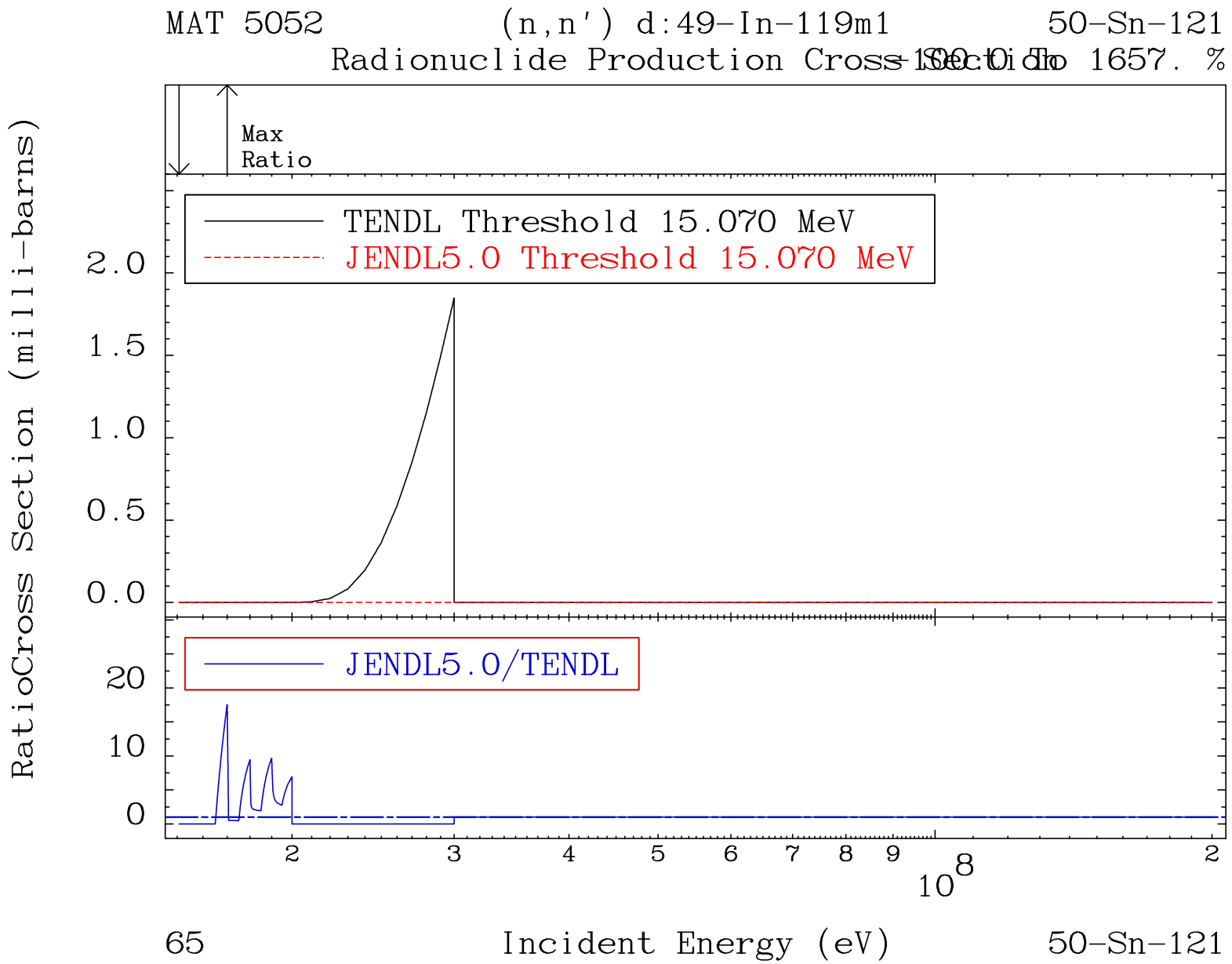

MAT 5052
(n,n') α:48-Cd-117g
50-Sn-121
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 5.2466 MeV
JENDL5.0 Threshold 5.2472 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
60
50-Sn-121

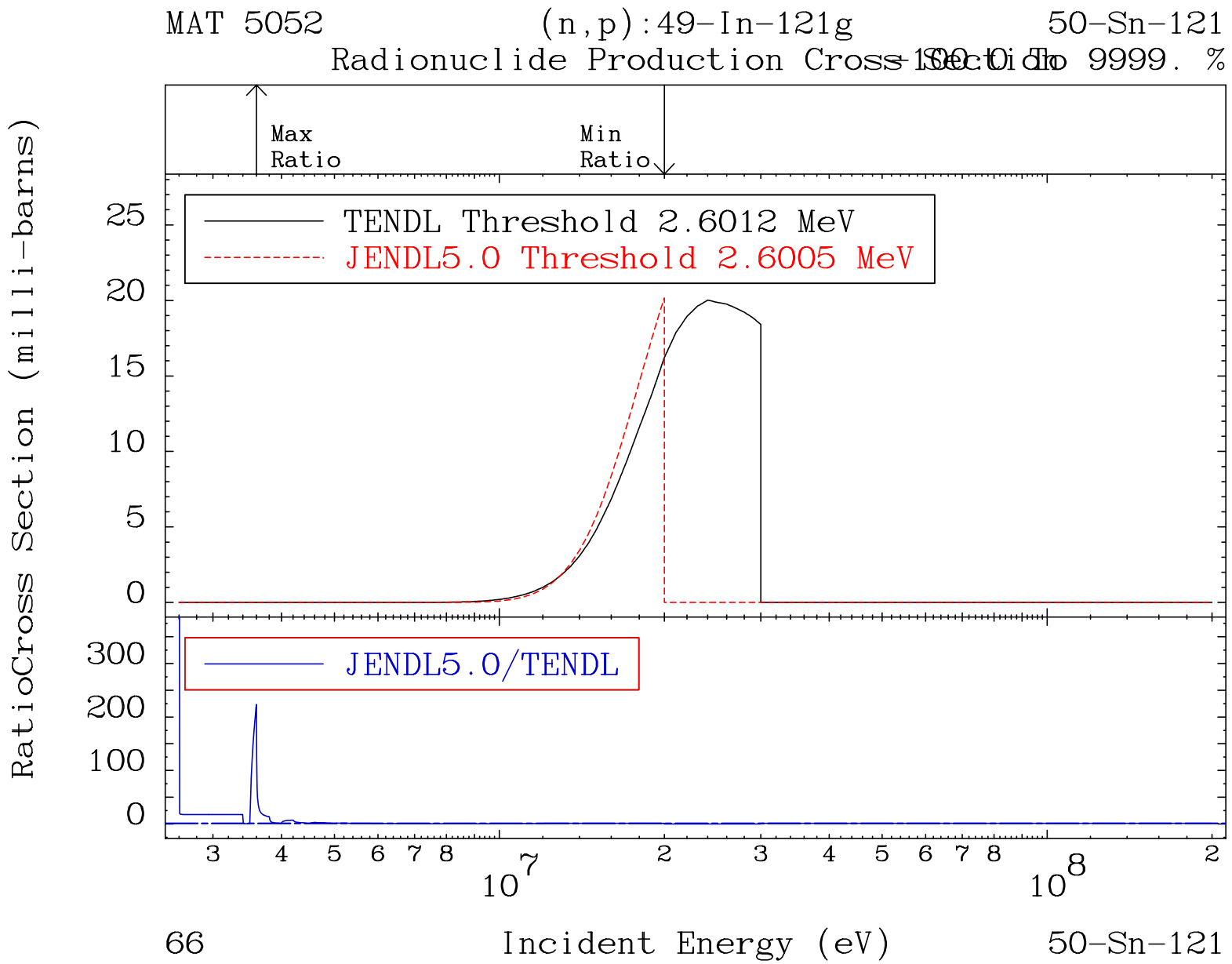

MAT 5052
(n,n') α:48-Cd-117m2
50-Sn-121
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 5.3841 MeV
JENDL5.0 Threshold 5.3847 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0
2
4
6
8
0.0
0.6
1.2
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
61
Incident Energy (eV)
50-Sn-121

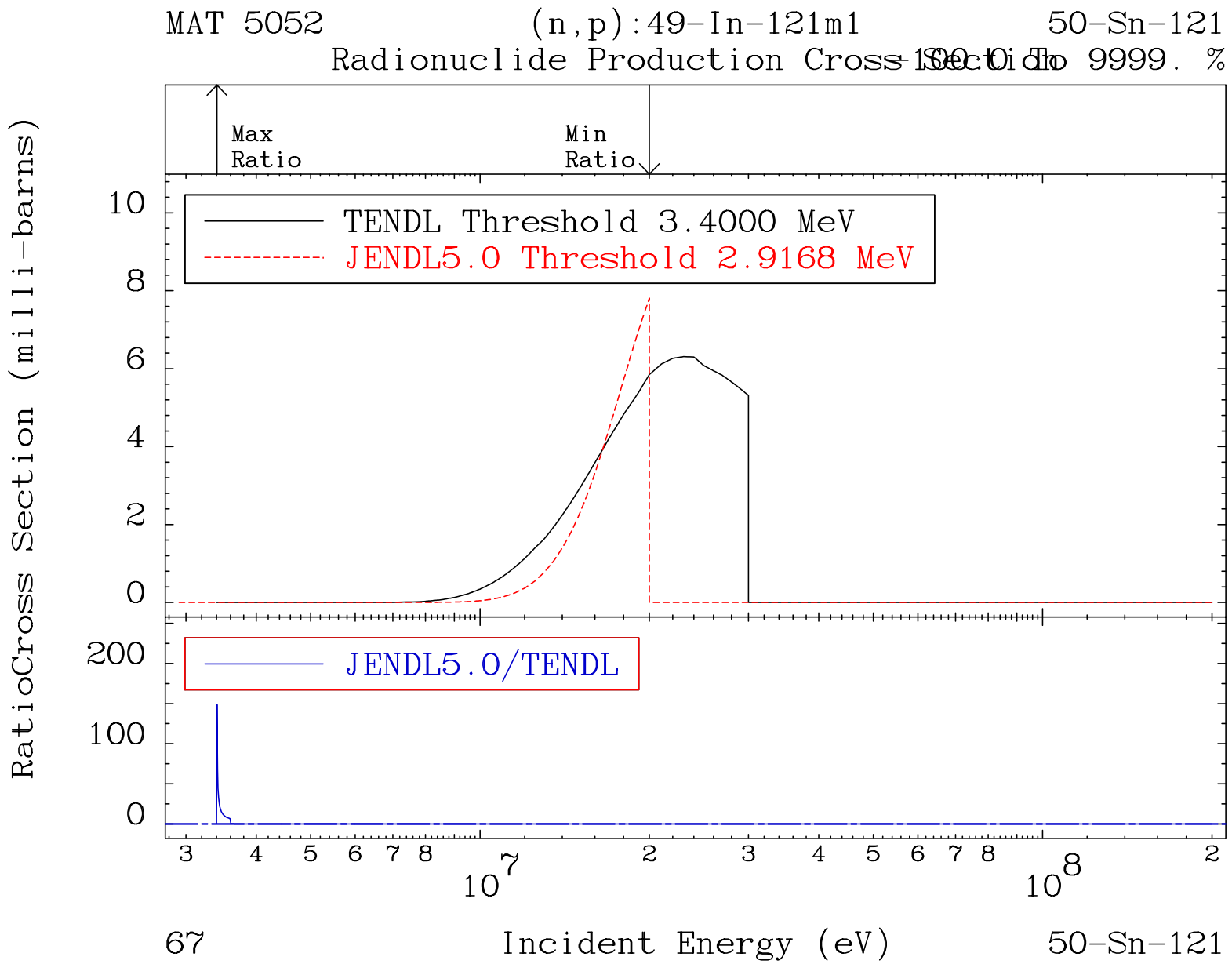

MAT 5052
(n,n') p:49-In-120g
50-Sn-121
Radionuclide Production Cross Section To 116.6 %
Min Ratio
Max Ratio
TENDL Threshold 10.848 MeV
JENDL5.0 Threshold 10.848 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
62
50-Sn-121

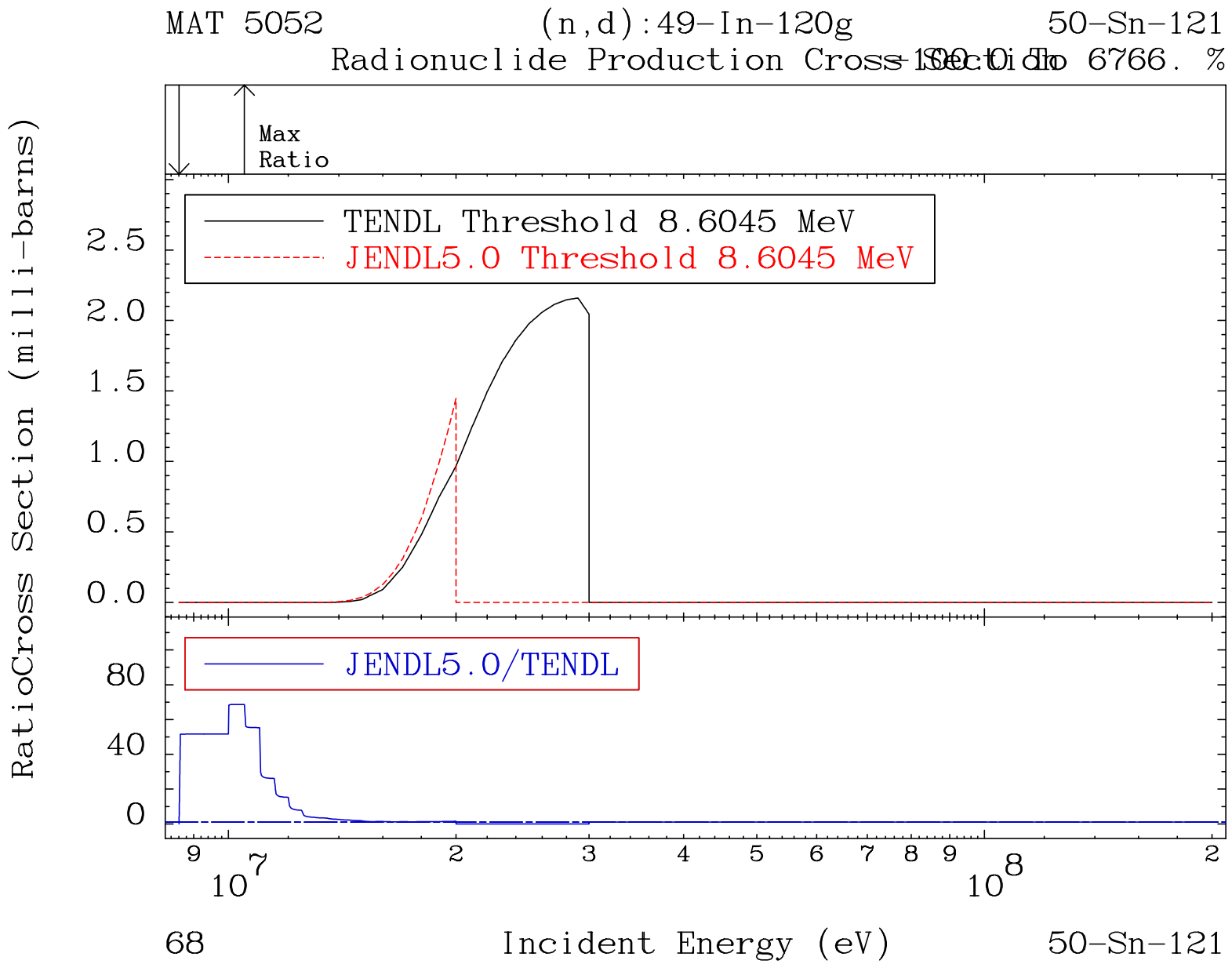

MAT 5052
(n,n') p:49-In-120m1
50-Sn-121
Radionuclide Production Cross Section
Max Ratio to 31.82 %
Min Ratio
Max Ratio
TENDL Threshold 10.918 MeV
JENDL5.0 Threshold 10.918 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
63
Incident Energy (eV)
50-Sn-121

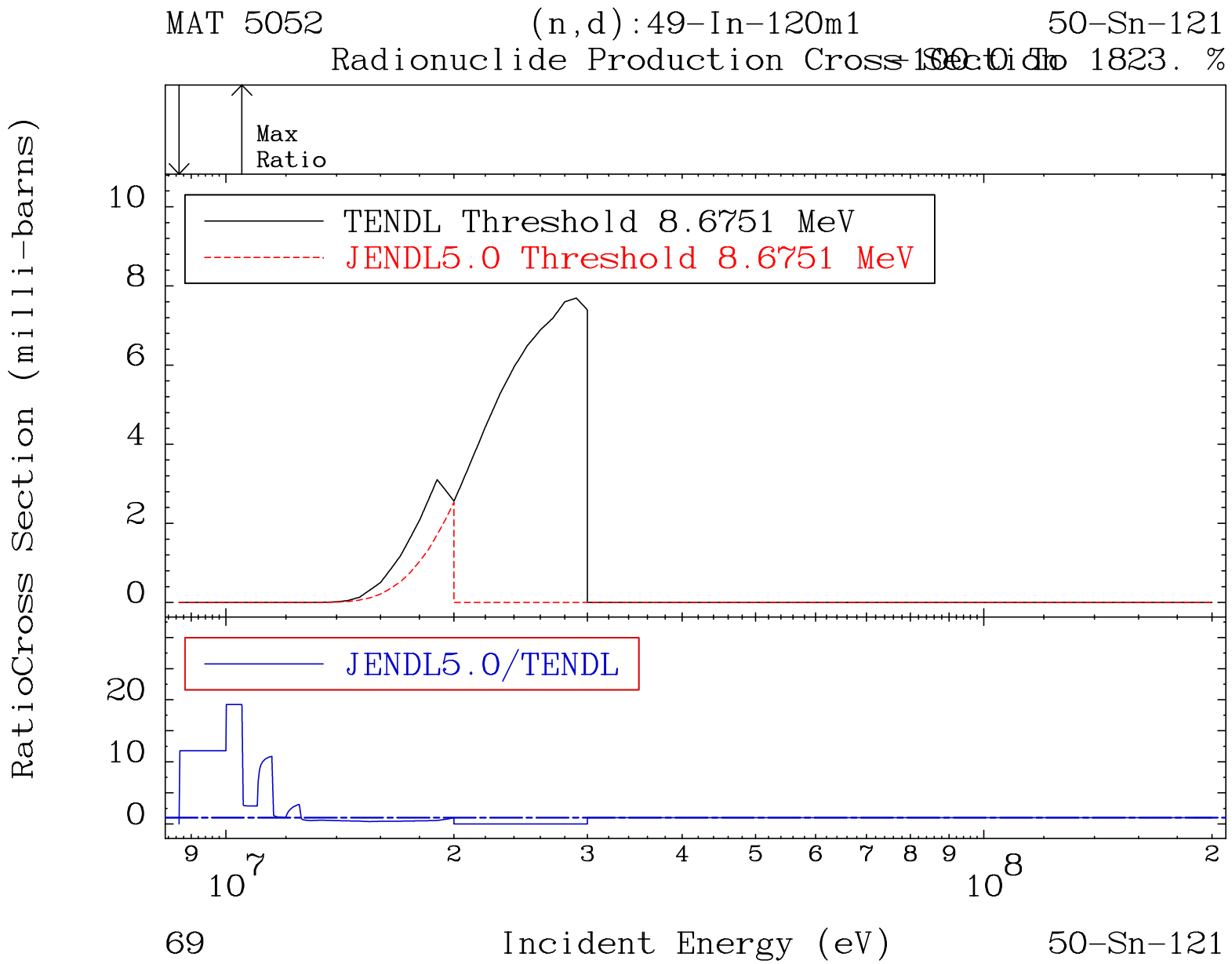

MAT 5052
(n,n') d:49-In-119g
50-Sn-121
Radionuclide Production Cross Section To 866.4 %
Max
Ratio
TENDL Threshold 14.756 MeV
JENDL5.0 Threshold 14.756 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
6
4
2
0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
64
Incident Energy (eV)
50-Sn-121

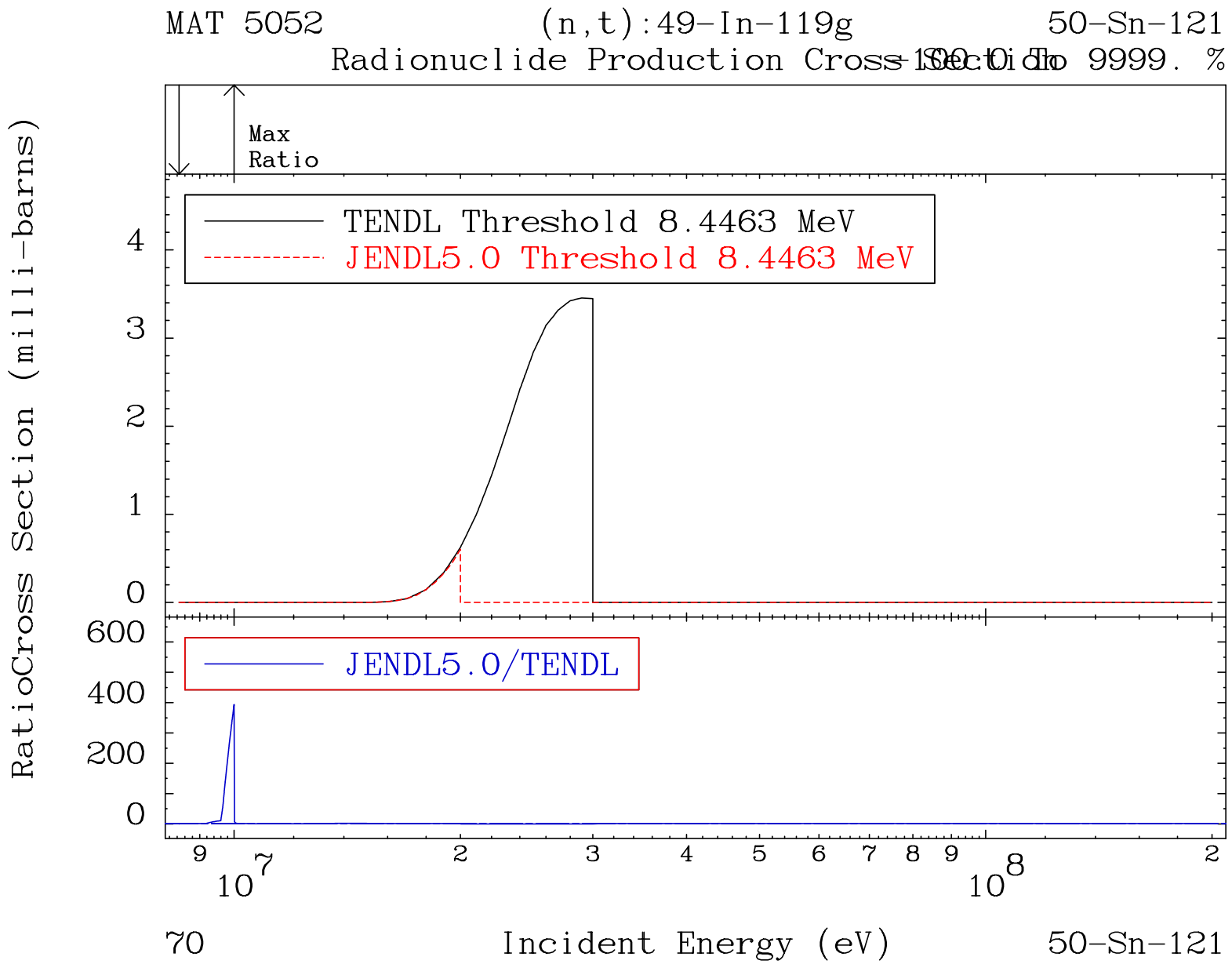

MAT 5052
(n,n') d:49-In-119m1
50-Sn-121
Radionuclide Production Cross Section To 1657. %
Max
Ratio
TENDL Threshold 15.070 MeV
JENDL5.0 Threshold 15.070 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
20
10
0
2
3
4
5
6
7
8
9
10^8
2
65
Incident Energy (eV)
50-Sn-121

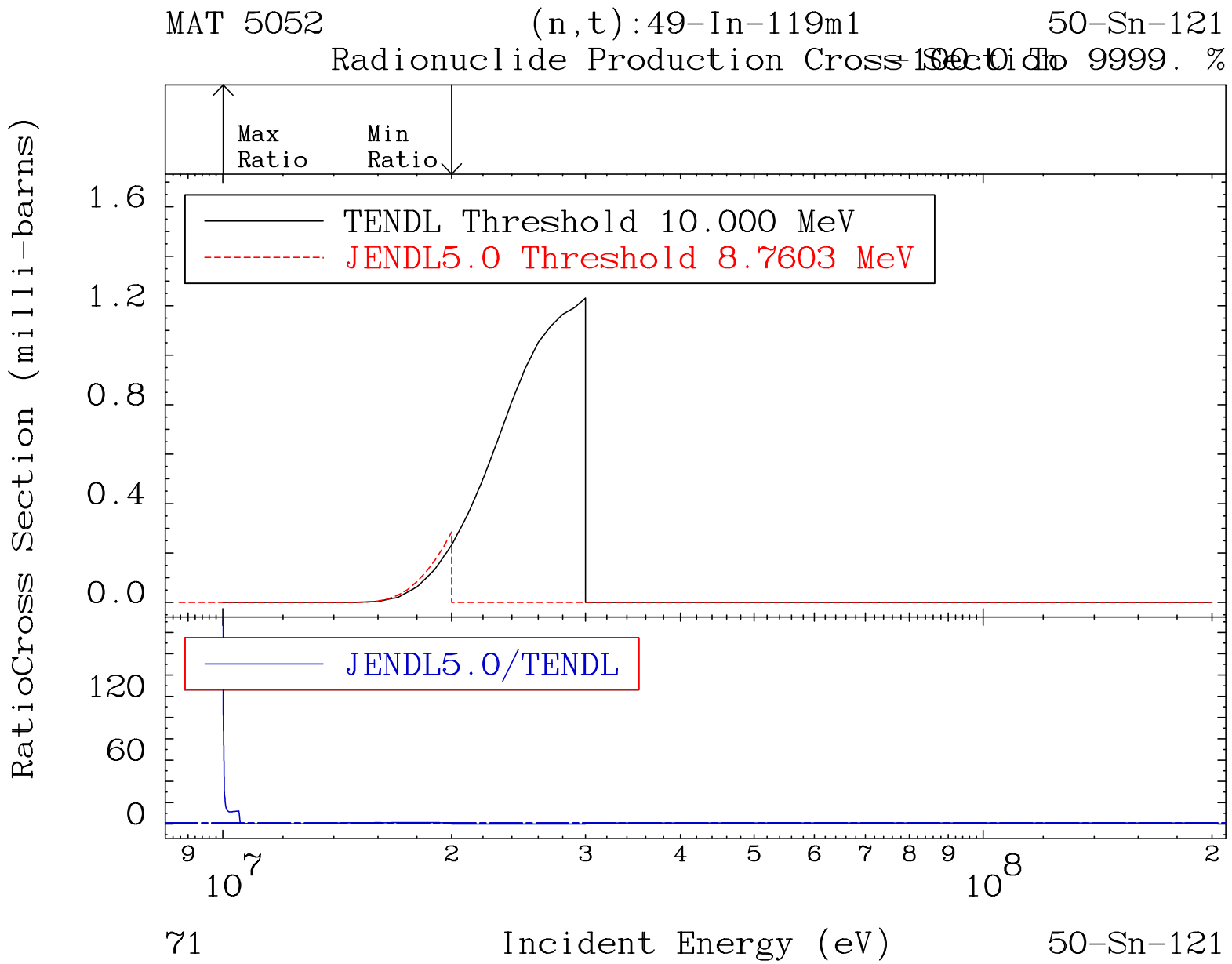

MAT 5052
(n,p):49-In-121g
50-Sn-121
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 2.6012 MeV
JENDL5.0 Threshold 2.6005 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
66
50-Sn-121

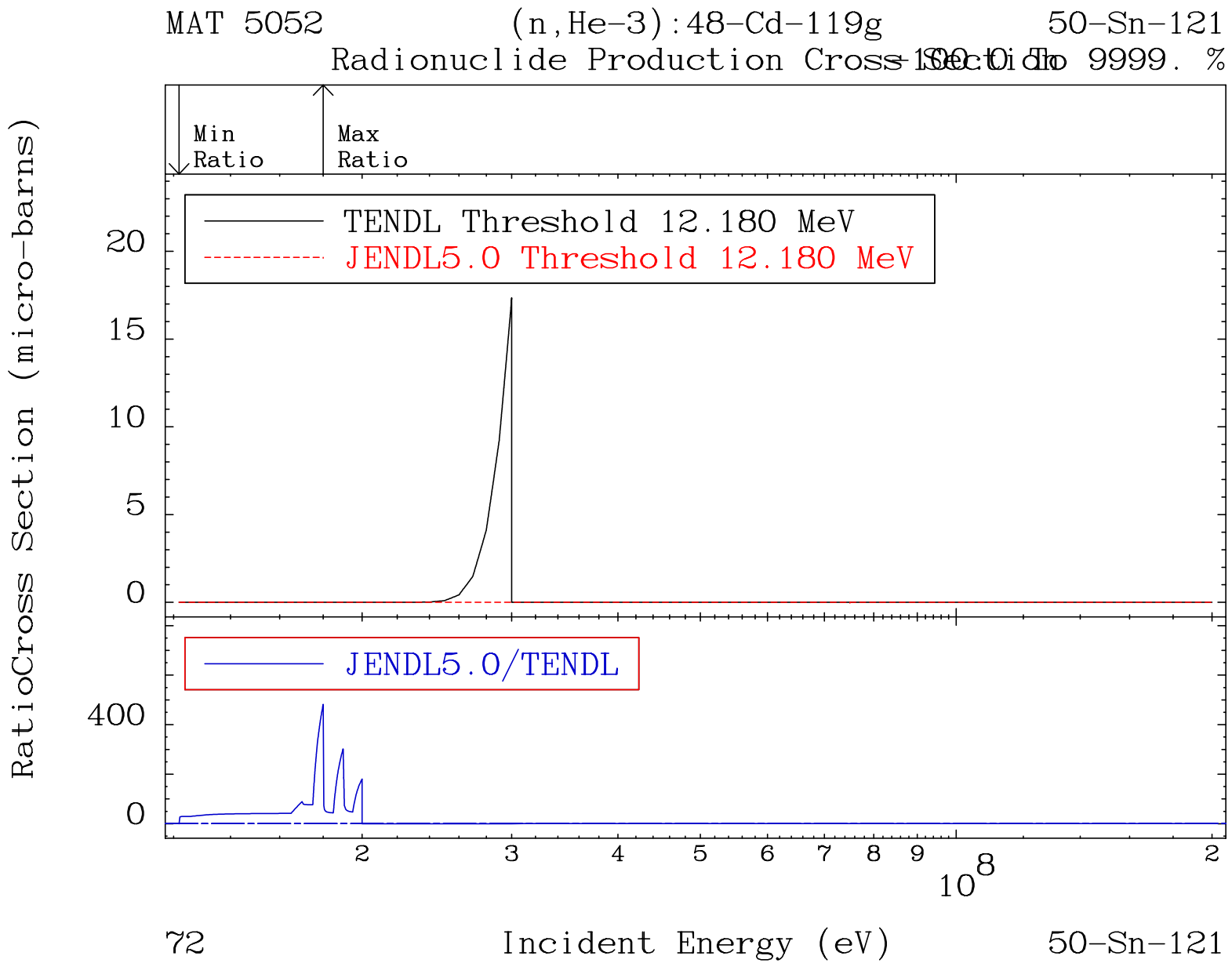

MAT 5052
(n,p):49-In-121m1
50-Sn-121
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 3.4000 MeV
JENDL5.0 Threshold 2.9168 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
67
50-Sn-121

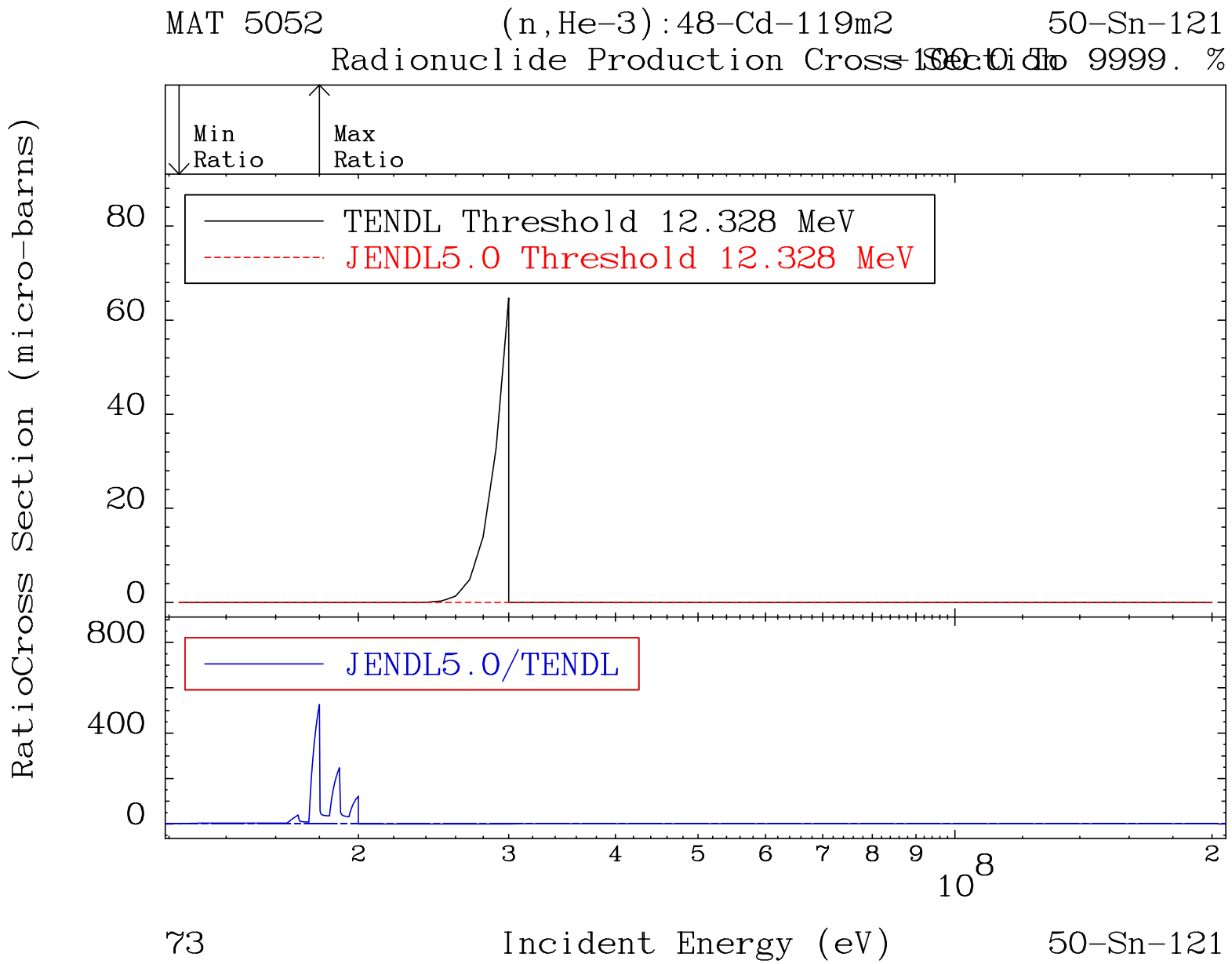

MAT 5052
(n,d):49-In-120g
50-Sn-121
Radionuclide Production Cross Section To 6766. %
Max
Ratio
TENDL Threshold 8.6045 MeV
JENDL5.0 Threshold 8.6045 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
80
40
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
68
Incident Energy (eV)
50-Sn-121

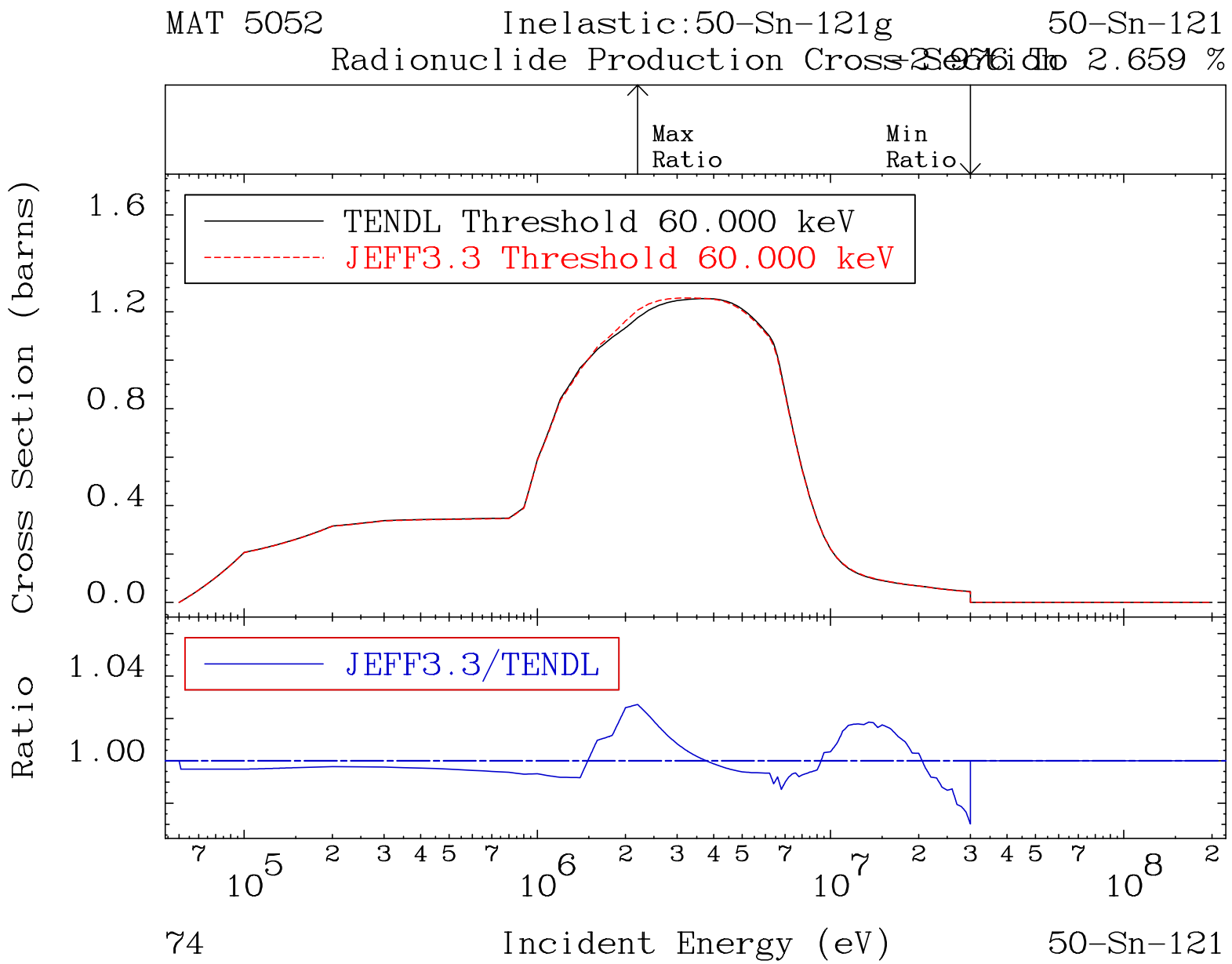

MAT 5052
(n,d):49-In-120m1
50-Sn-121
Radionuclide Production Cross Section To 1823. %
Max
Ratio
TENDL Threshold 8.6751 MeV
JENDL5.0 Threshold 8.6751 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
69
50-Sn-121

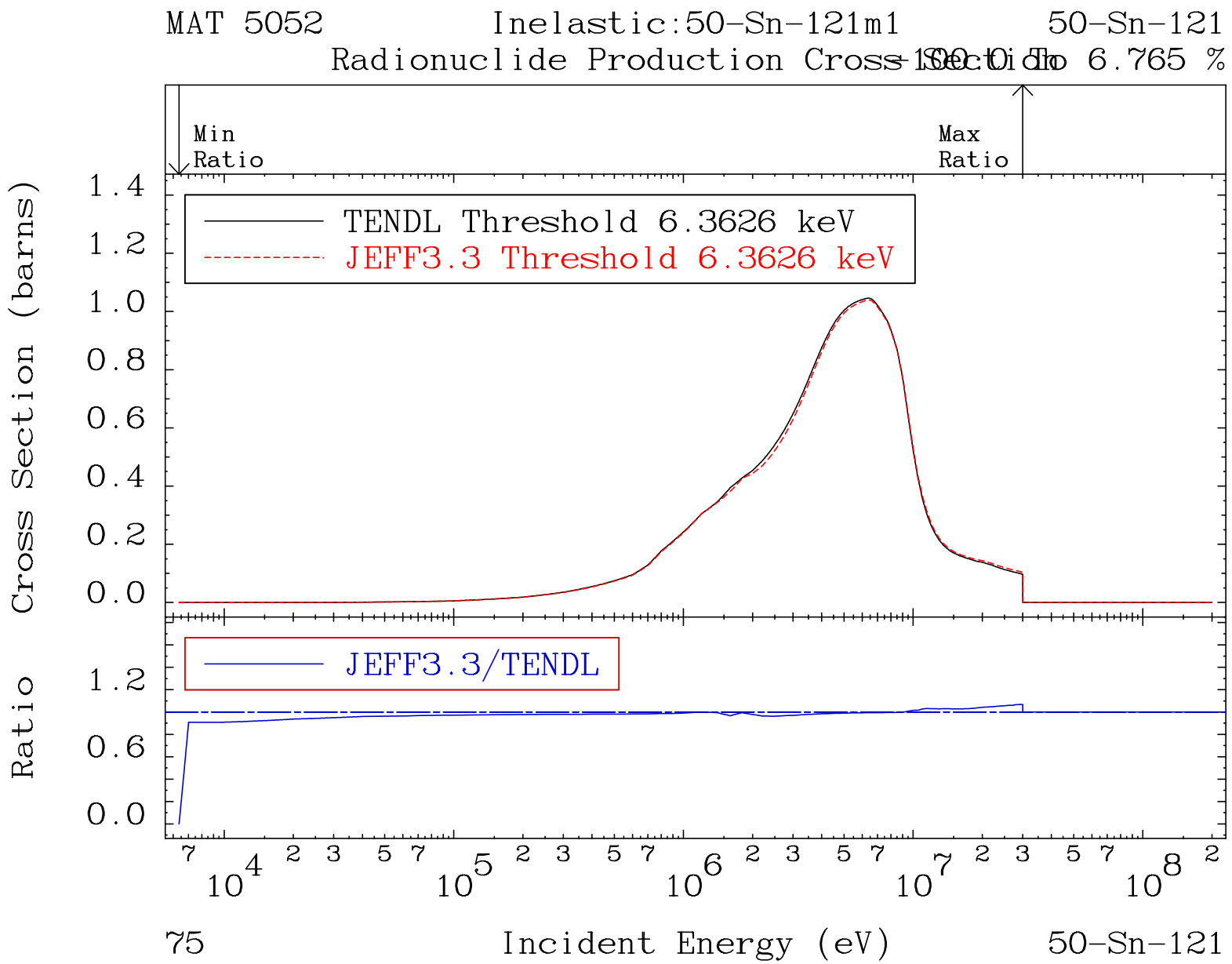

MAT 5052
(n,t):49-In-119g
50-Sn-121
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 8.4463 MeV
JENDL5.0 Threshold 8.4463 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
600
400
200
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
70
Incident Energy (eV)
50-Sn-121

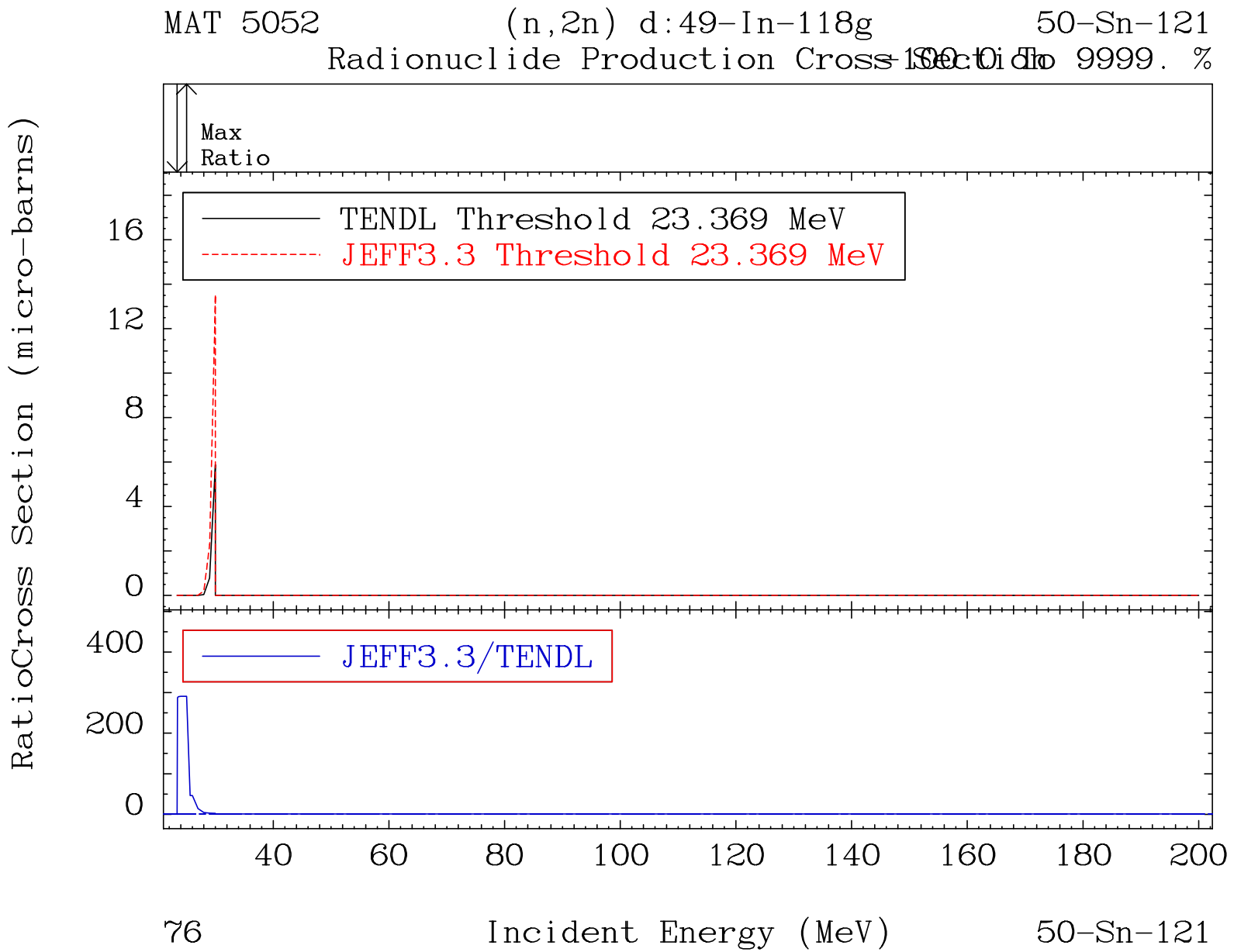

MAT 5052
(n,t):49-In-119m1
50-Sn-121
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 10.000 MeV
JENDL5.0 Threshold 8.7603 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
120
60
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
71
Incident Energy (eV)
50-Sn-121

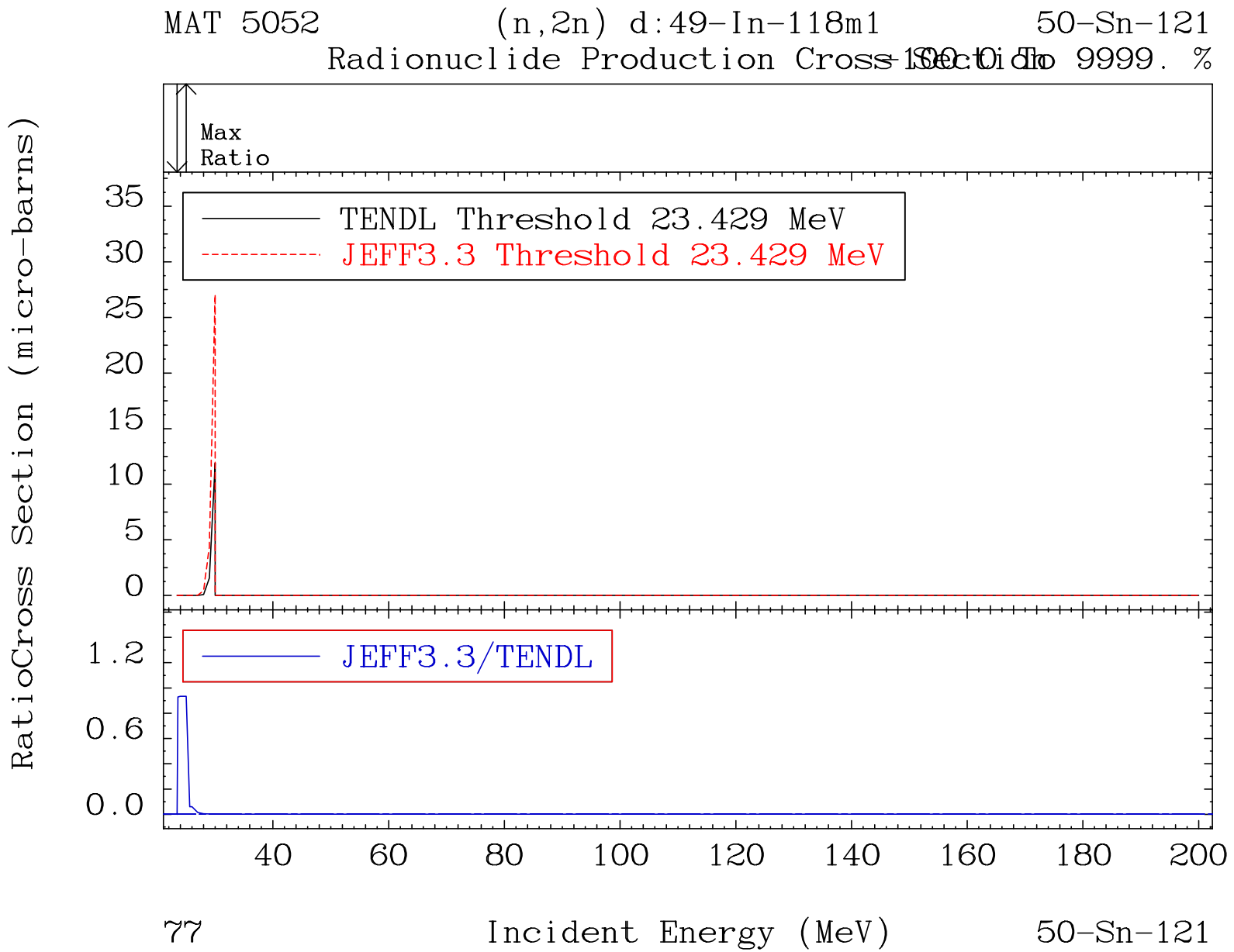

MAT 5052
(n,He-3):48-Cd-119g
50-Sn-121
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 12.180 MeV
JENDL5.0 Threshold 12.180 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
20
15
10
5
0
400
0
2
3
4
5
6
7
8
9
2
10^8
72
Incident Energy (eV)
50-Sn-121

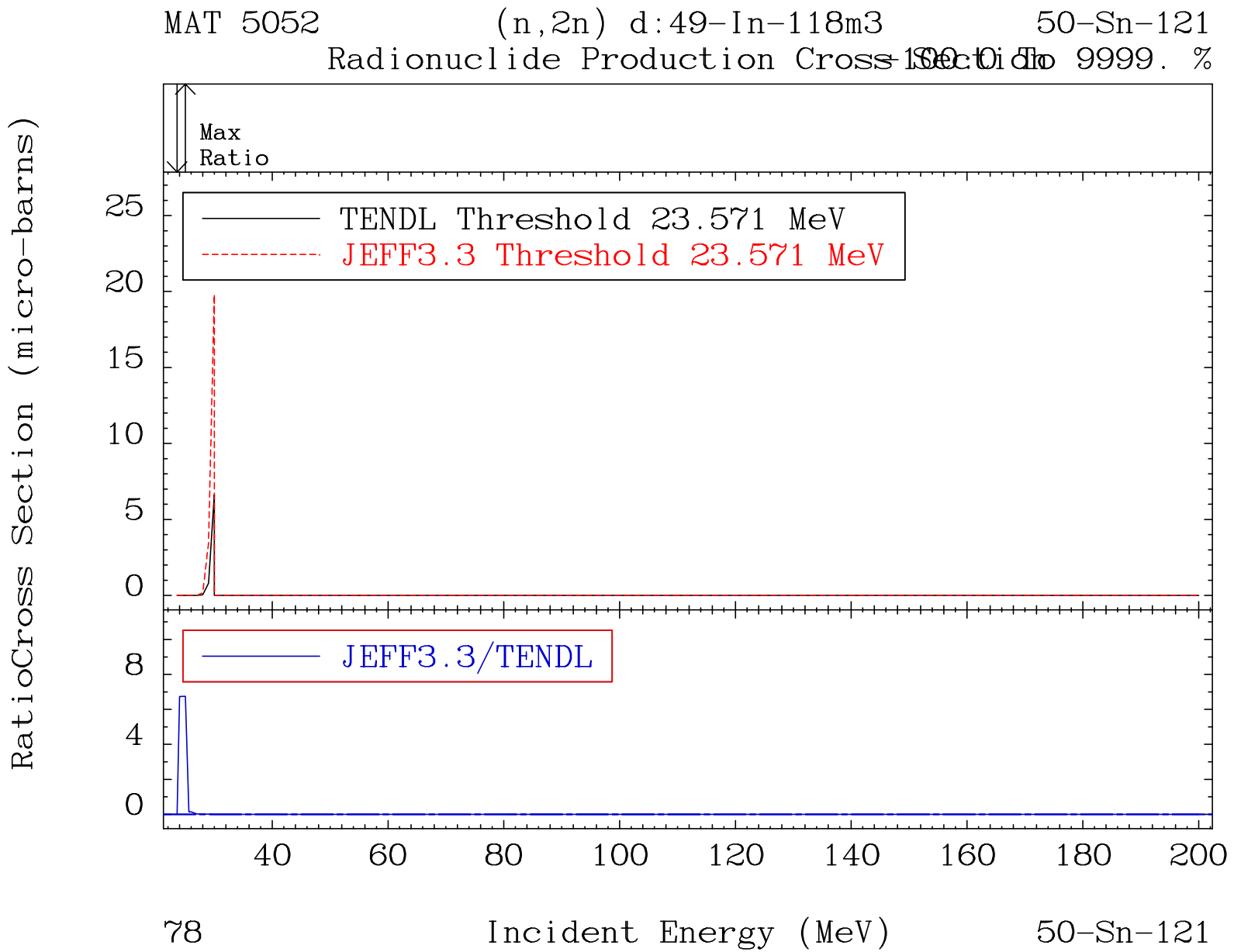

MAT 5052
(n,He-3):48-Cd-119m2
50-Sn-121
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 12.328 MeV
JENDL5.0 Threshold 12.328 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
73
50-Sn-121

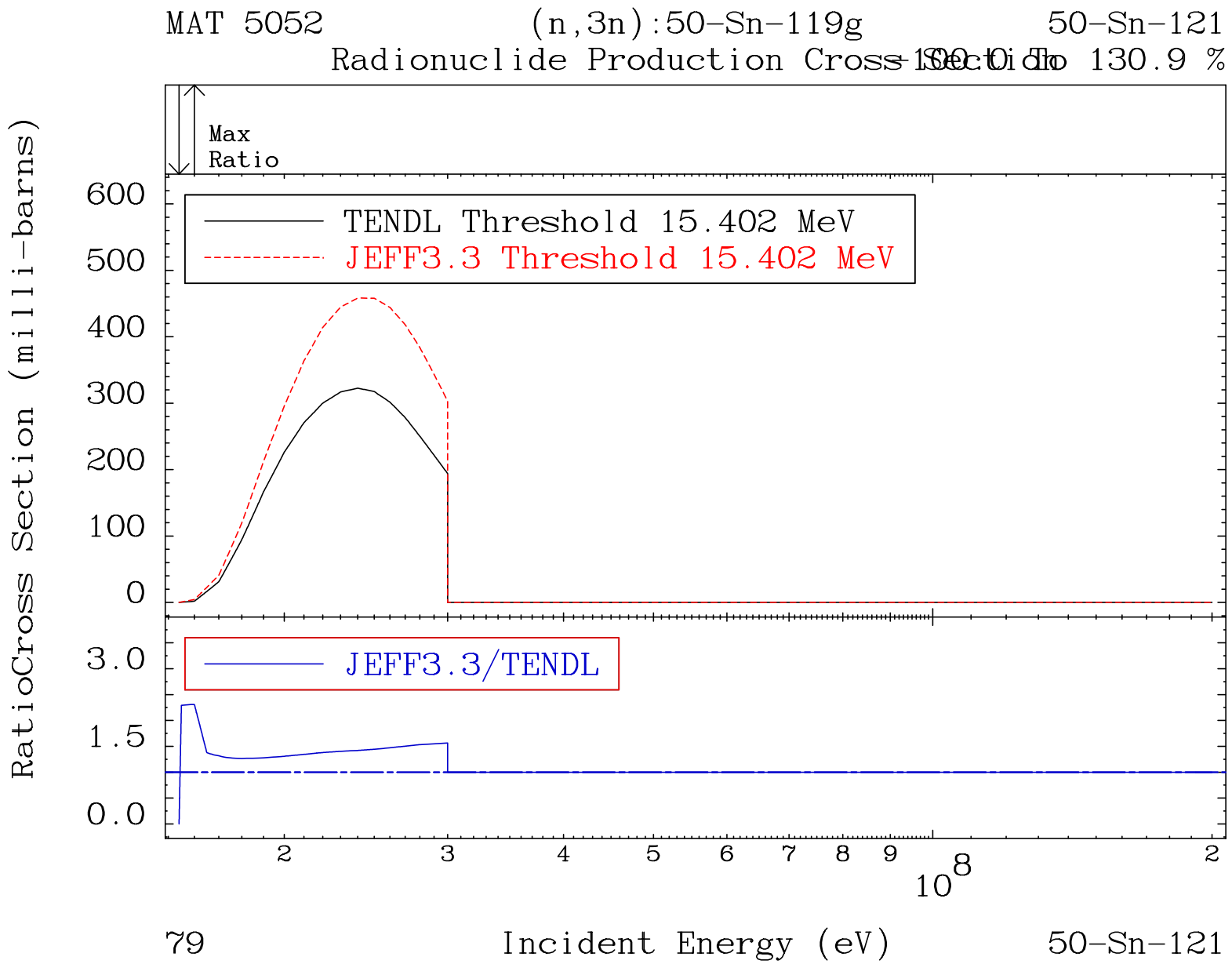

MAT 5052
Inelastic:50-Sn-121g
50-Sn-121
Radionuclide Production Cross Section
-2.976 To 2.659 %
Max Ratio
Min Ratio
TENDL Threshold 60.000 keV
JEFF3.3 Threshold 60.000 keV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JEFF3.3/TENDL
Ratio
1.04
1.00
7 2 3 4 5 7 2 3 4 5 7 2 3 4 5 7 2
10^5 10^6 10^7 10^8
74
Incident Energy (eV)
50-Sn-121

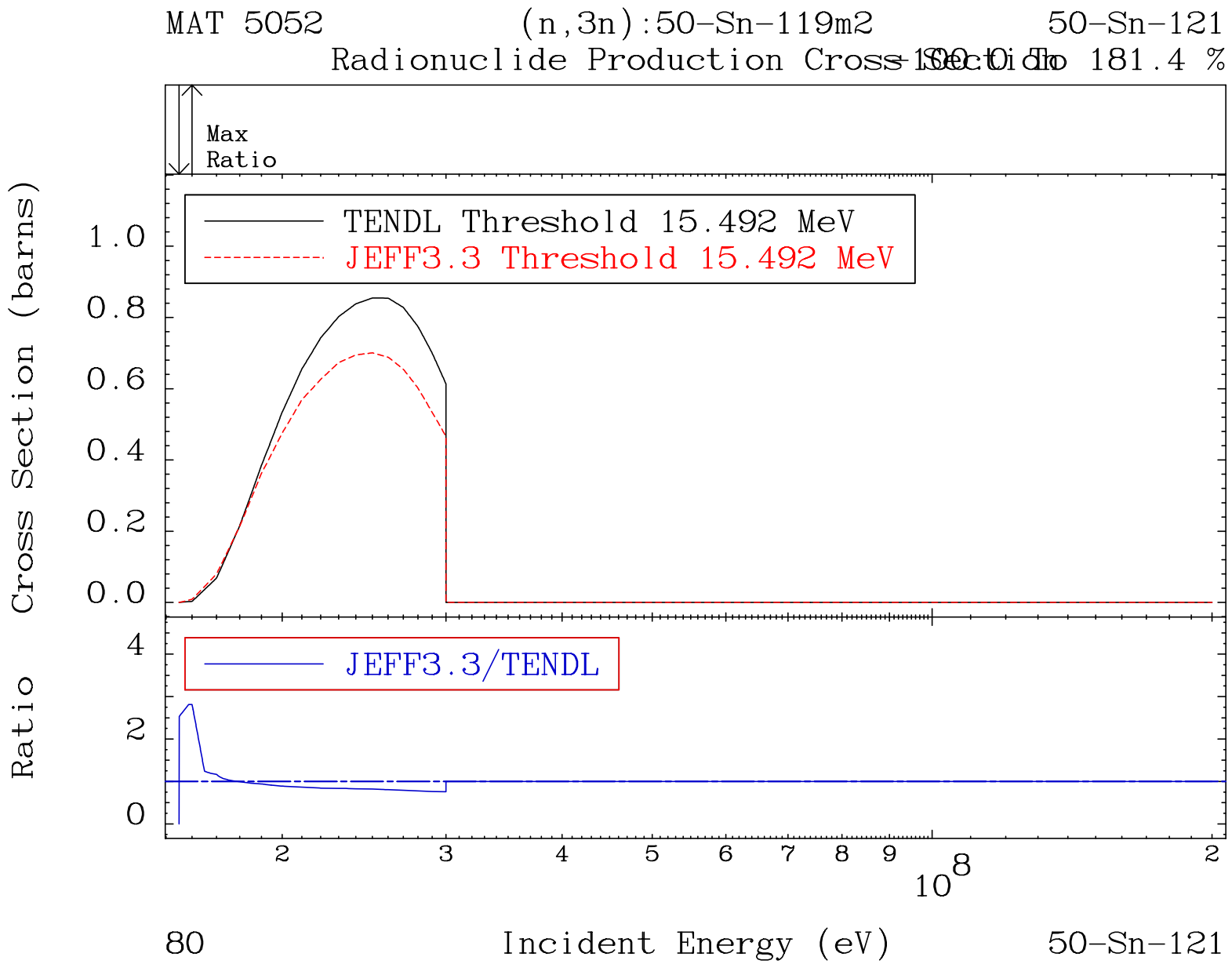

MAT 5052
Inelastic:50-Sn-121m1
50-Sn-121
Radionuclide Production Cross Section To 6.765 %
Min Ratio
Max Ratio
TENDL Threshold 6.3626 keV
JEFF3.3 Threshold 6.3626 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
75
50-Sn-121

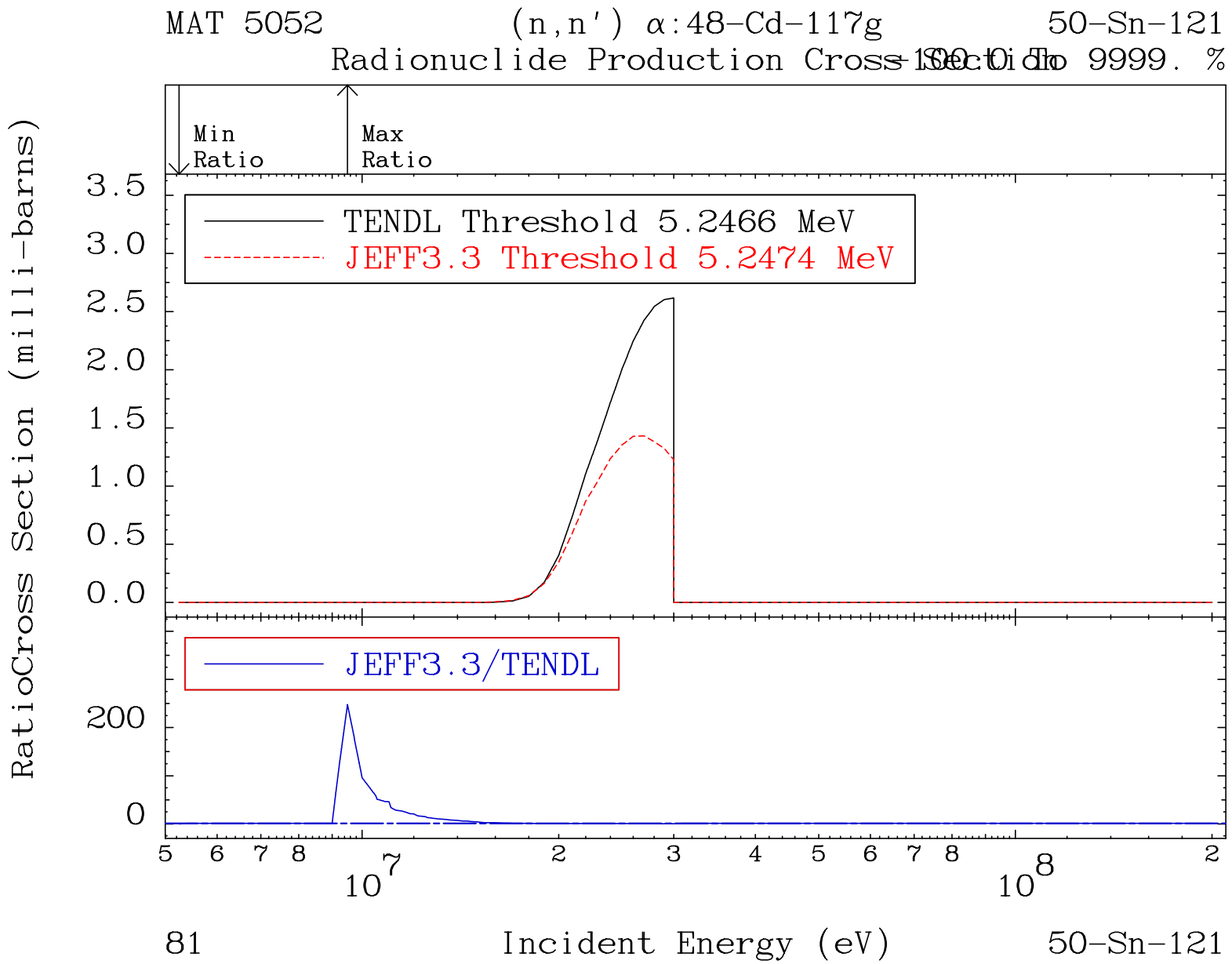

MAT 5052
(n,2n) d:49-In-118g
50-Sn-121
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 23.369 MeV
JEFF3.3 Threshold 23.369 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
16
12
8
4
0
400
200
0
40
60
80
100
120
140
160
180
200
76
Incident Energy (MeV)
50-Sn-121

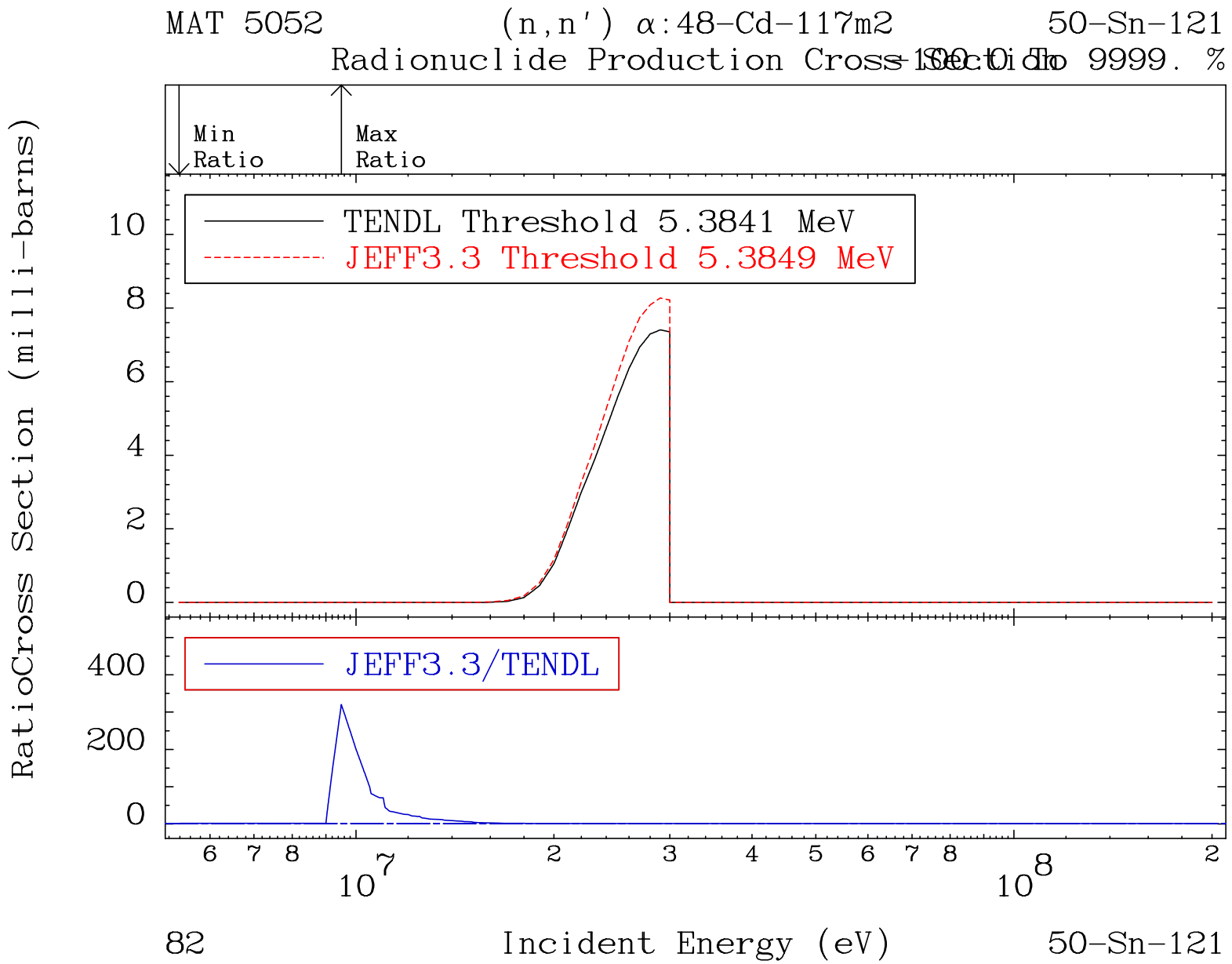

MAT 5052
(n,2n) d:49-In-118m1
50-Sn-121
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 23.429 MeV
JEFF3.3 Threshold 23.429 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
35
30
25
20
15
10
5
0
1.2
0.6
0.0
40
60
80
100
120
140
160
180
200
77
Incident Energy (MeV)
50-Sn-121

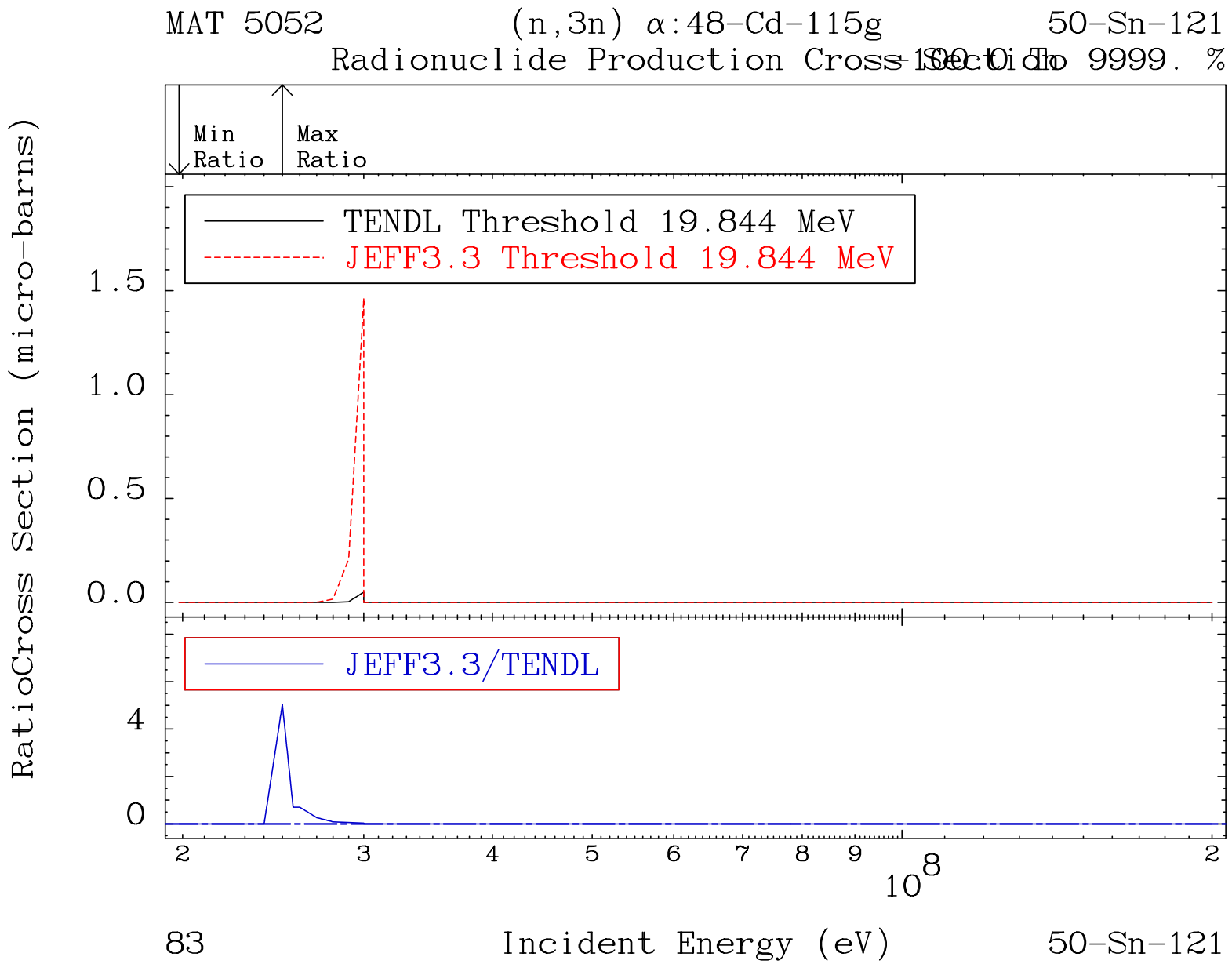

MAT 5052
(n,2n) d:49-In-118m3
50-Sn-121
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 23.571 MeV
JEFF3.3 Threshold 23.571 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
25
20
15
10
5
0
8
4
0
40
60
80
100
120
140
160
180
200
78
Incident Energy (MeV)
50-Sn-121

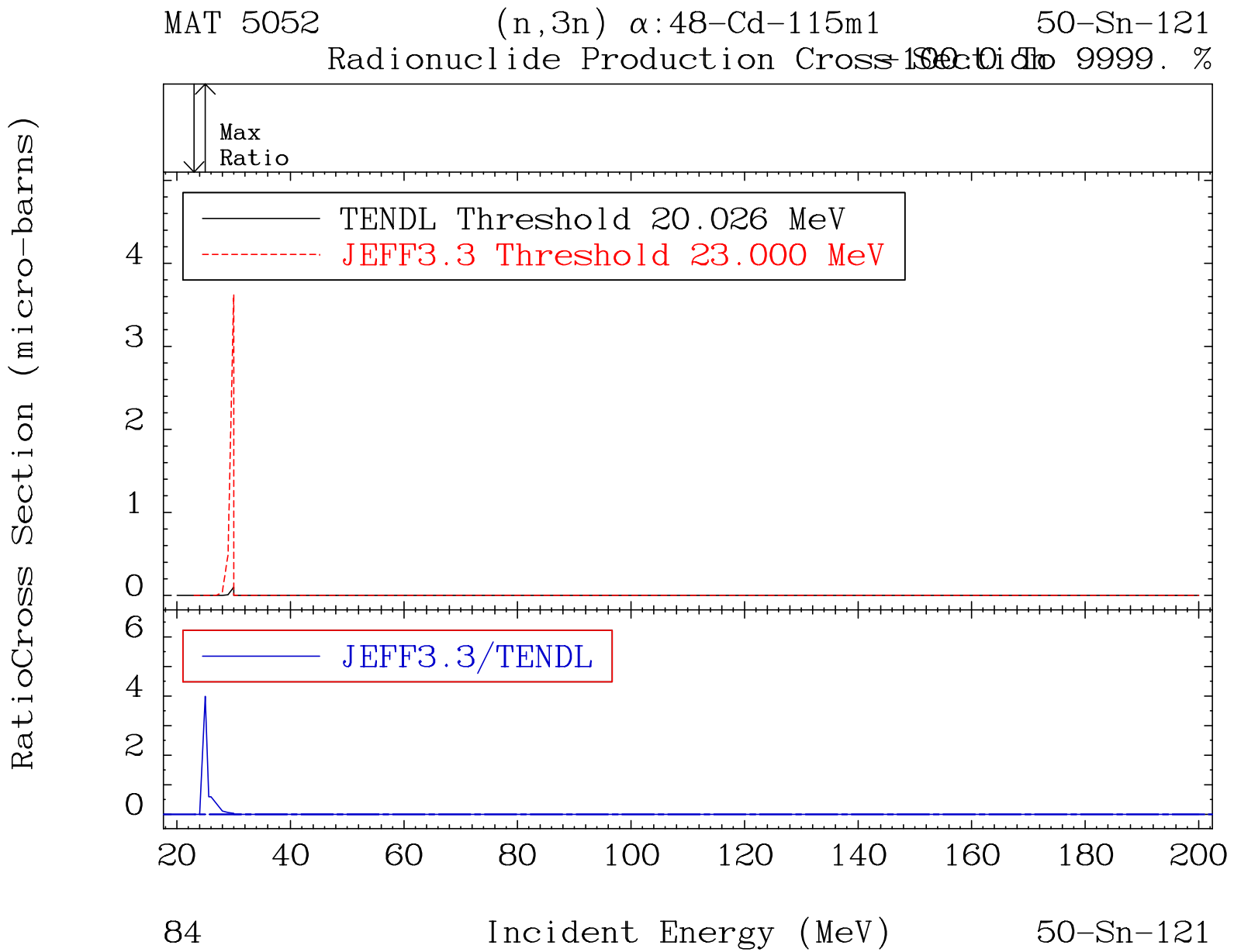

MAT 5052
(n,3n):50-Sn-119g
50-Sn-121
Radionuclide Production Cross Section To 130.9 %
Max
Ratio
600
500
400
300
200
100
0
TENDL Threshold 15.402 MeV
JEFF3.3 Threshold 15.402 MeV
3.0
1.5
0.0
JEFF3.3/TENDL
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
79
Incident Energy (eV)
50-Sn-121

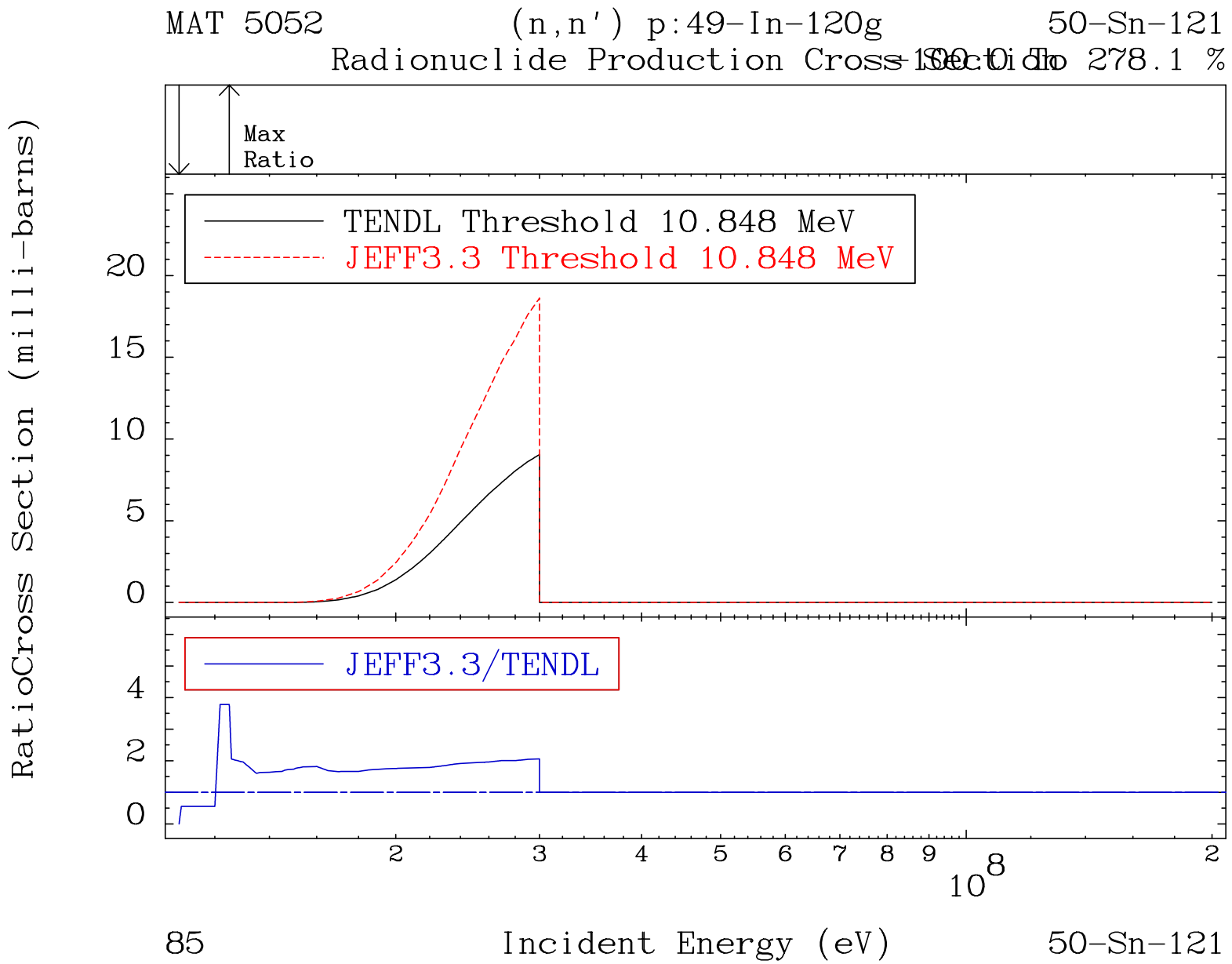

MAT 5052
(n,3n):50-Sn-119m2
50-Sn-121
Radionuclide Production Cross Section
Max Ratio
TENDL Threshold 15.492 MeV
JEFF3.3 Threshold 15.492 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
50-Sn-121

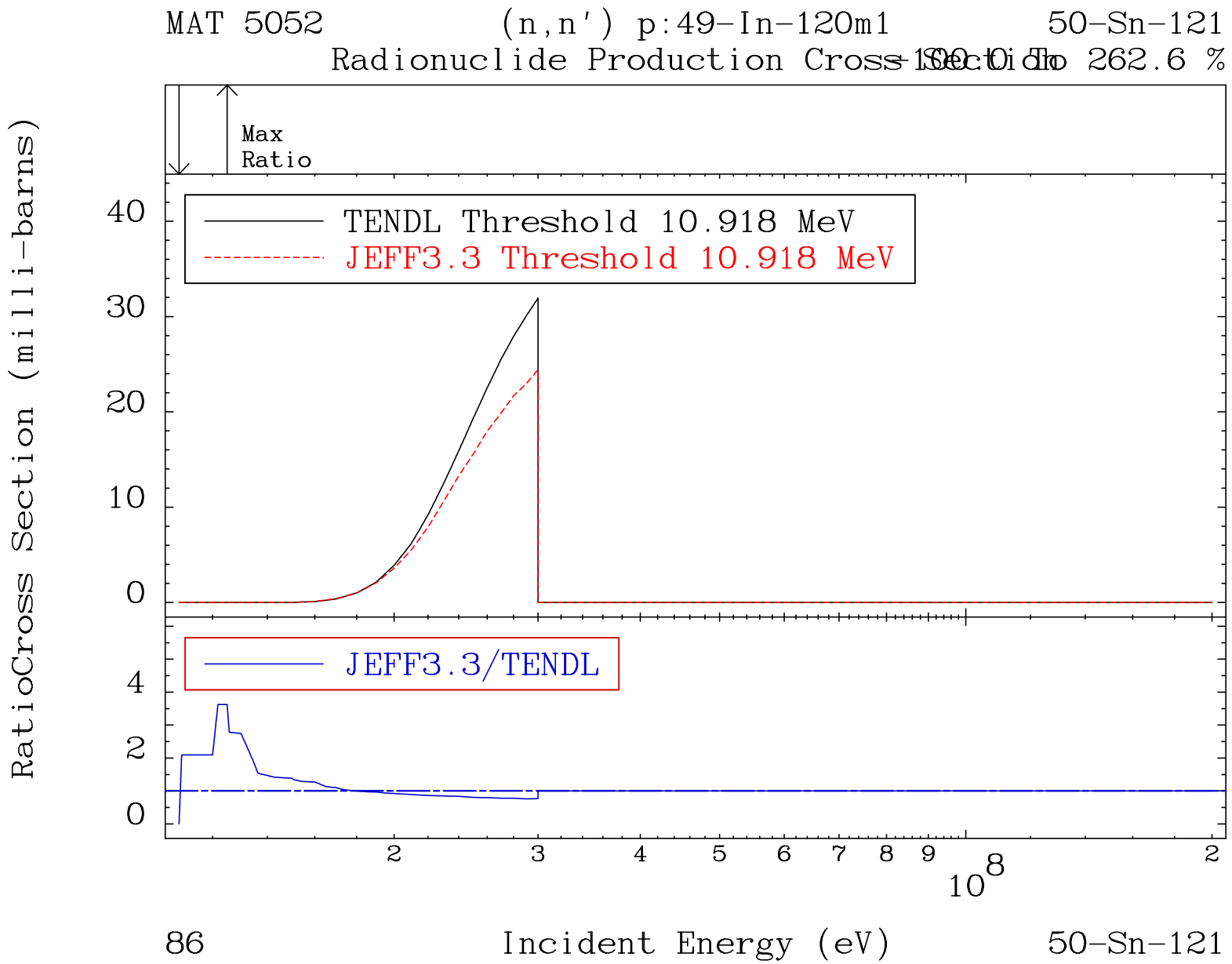

MAT 5052
(n,n') α:48-Cd-117g
50-Sn-121
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.2466 MeV
JEFF3.3 Threshold 5.2474 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
200
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
81
Incident Energy (eV)
50-Sn-121

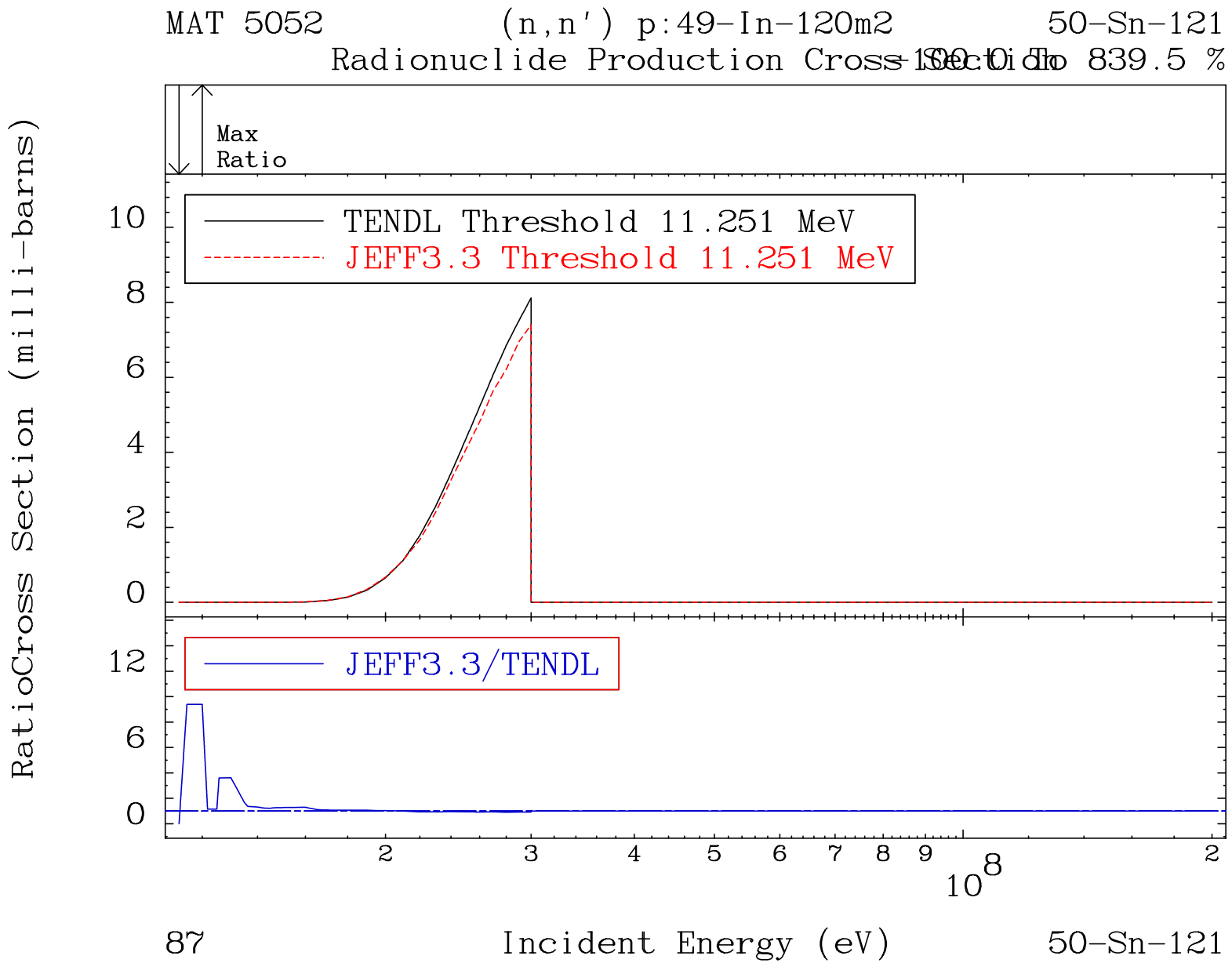

MAT 5052
(n,n') α:48-Cd-117m2
50-Sn-121
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 5.3841 MeV
JEFF3.3 Threshold 5.3849 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
400
200
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
82
Incident Energy (eV)
50-Sn-121

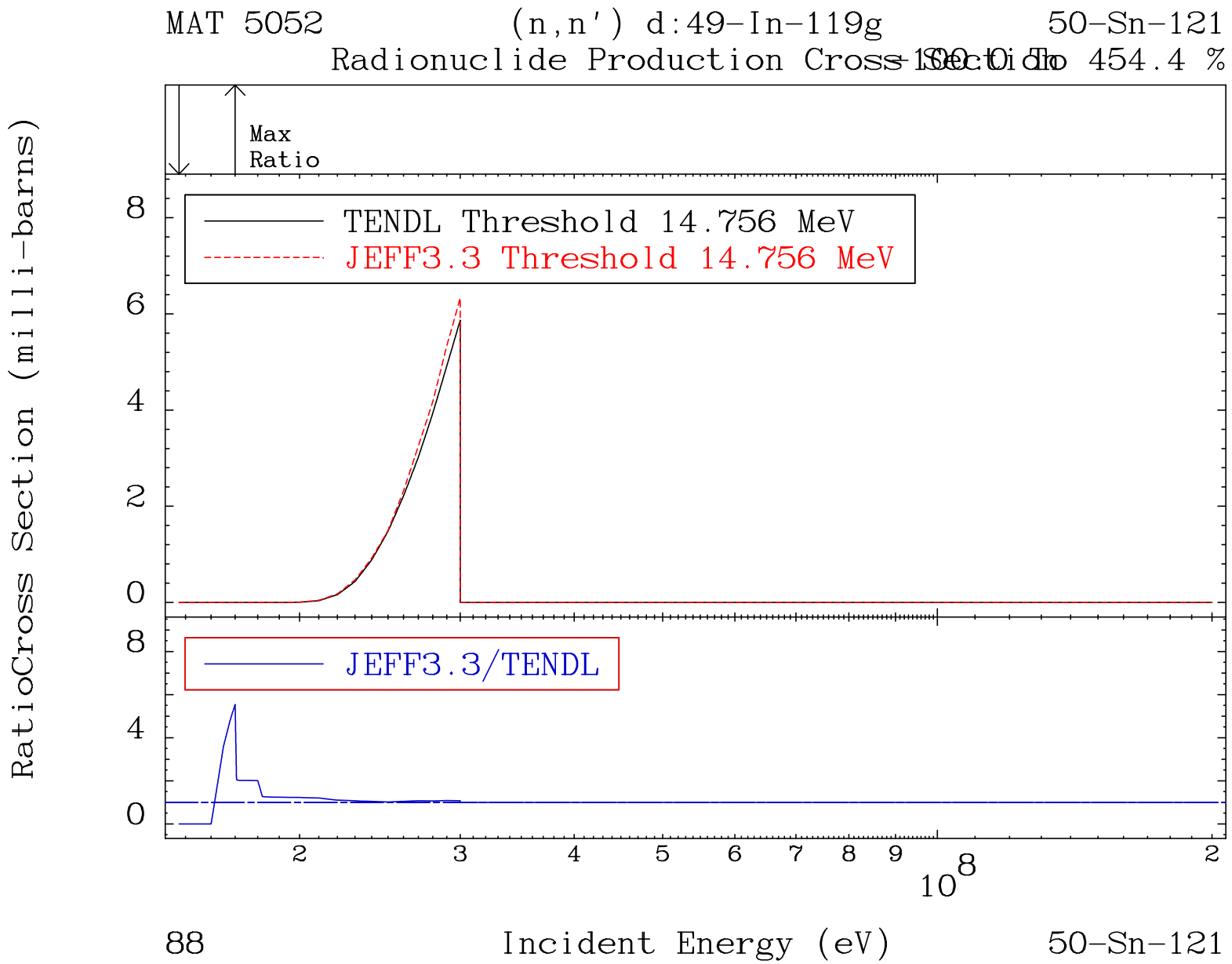

MAT 5052
(n,3n) α:48-Cd-115g
50-Sn-121
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 19.844 MeV
JEFF3.3 Threshold 19.844 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
1.5
1.0
0.5
0.0
4
0
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
50-Sn-121

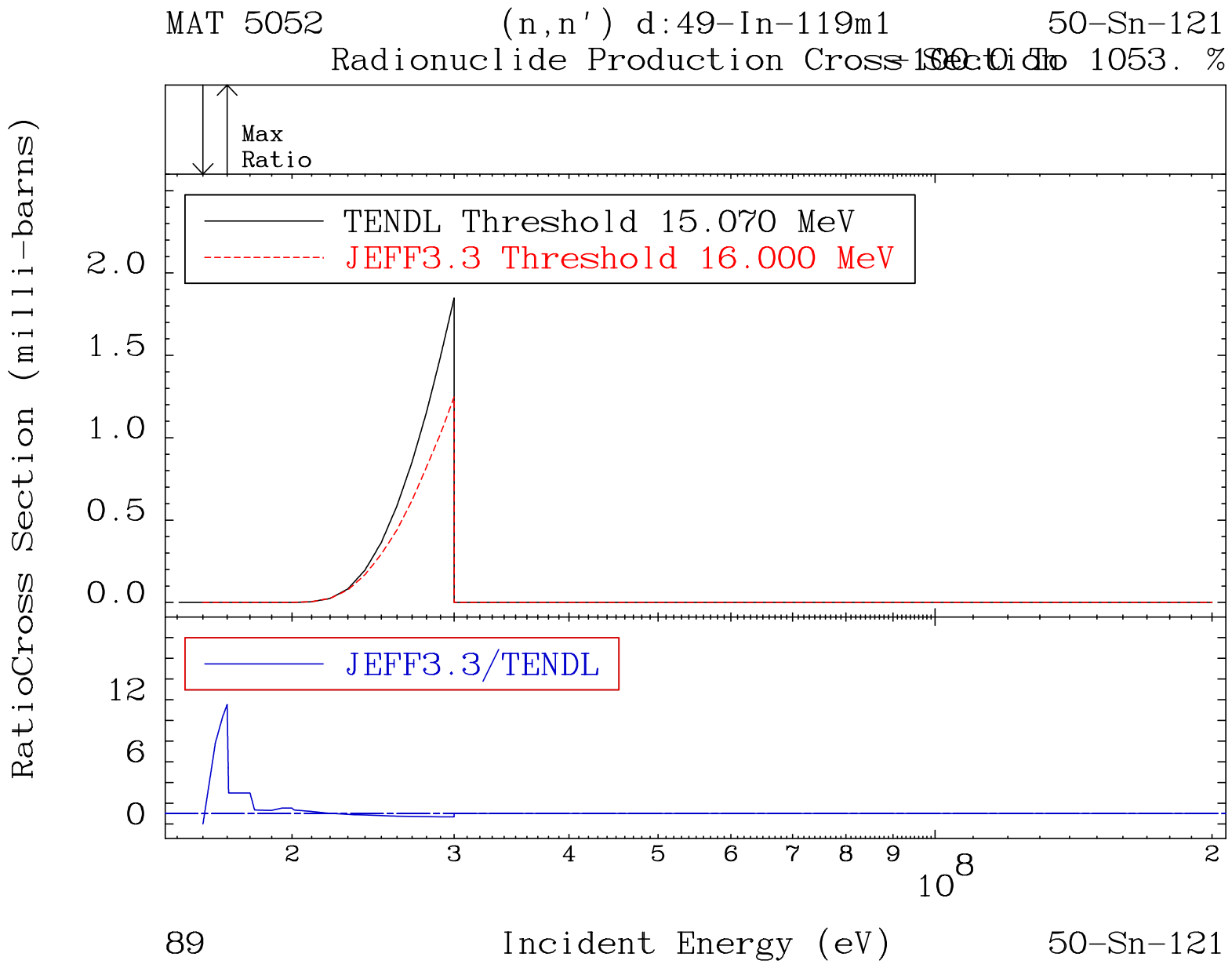

MAT 5052
(n,3n) α:48-Cd-115m1
50-Sn-121
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 20.026 MeV
JEFF3.3 Threshold 23.000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
0
1
2
3
4
0
2
4
6
20
40
60
80
100
120
140
160
180
200
84
Incident Energy (MeV)
50-Sn-121

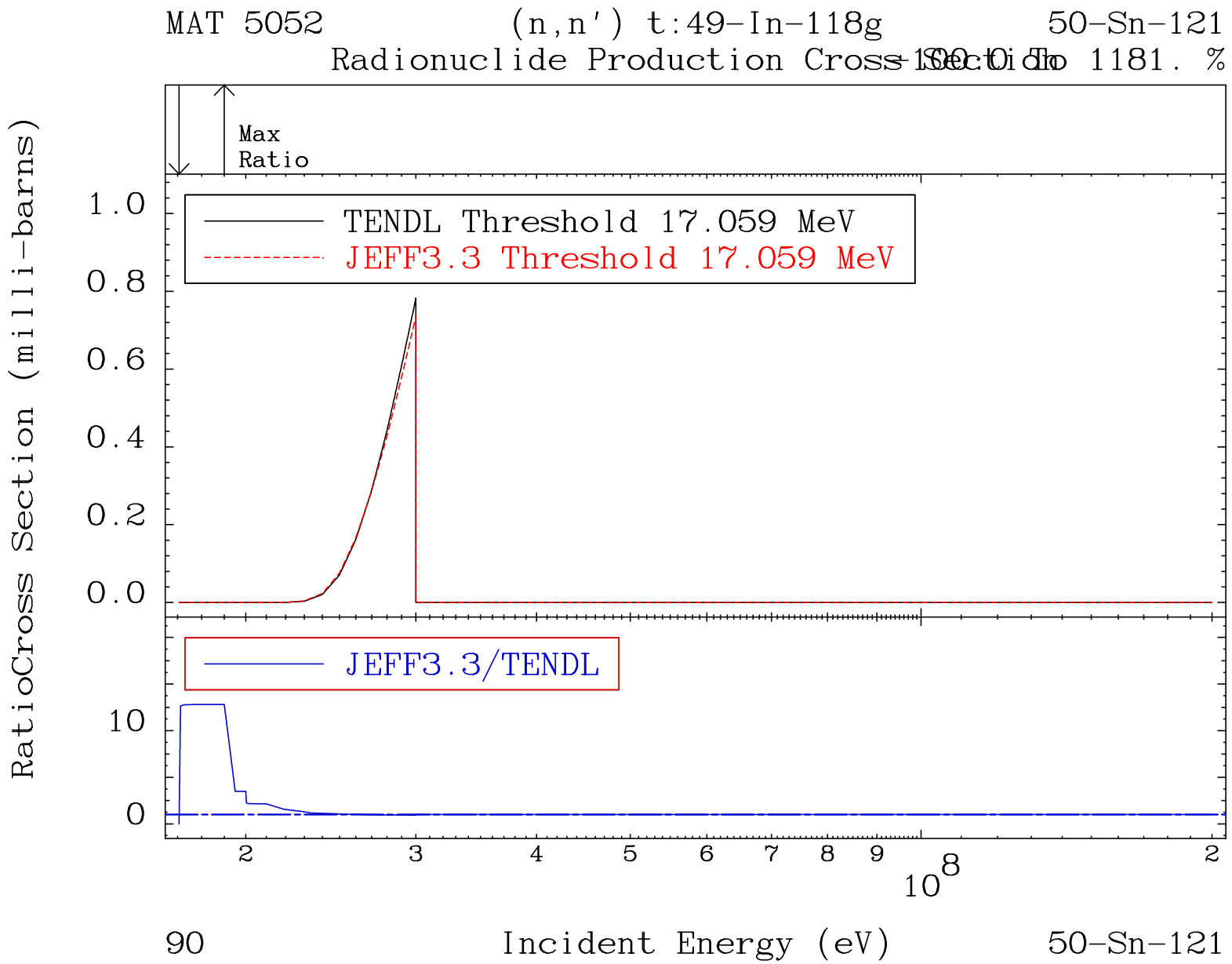

MAT 5052
(n,n') p:49-In-120g
50-Sn-121
Radionuclide Production Cross Section To 278.1 %
Max
Ratio
TENDL Threshold 10.848 MeV
JEFF3.3 Threshold 10.848 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
50-Sn-121

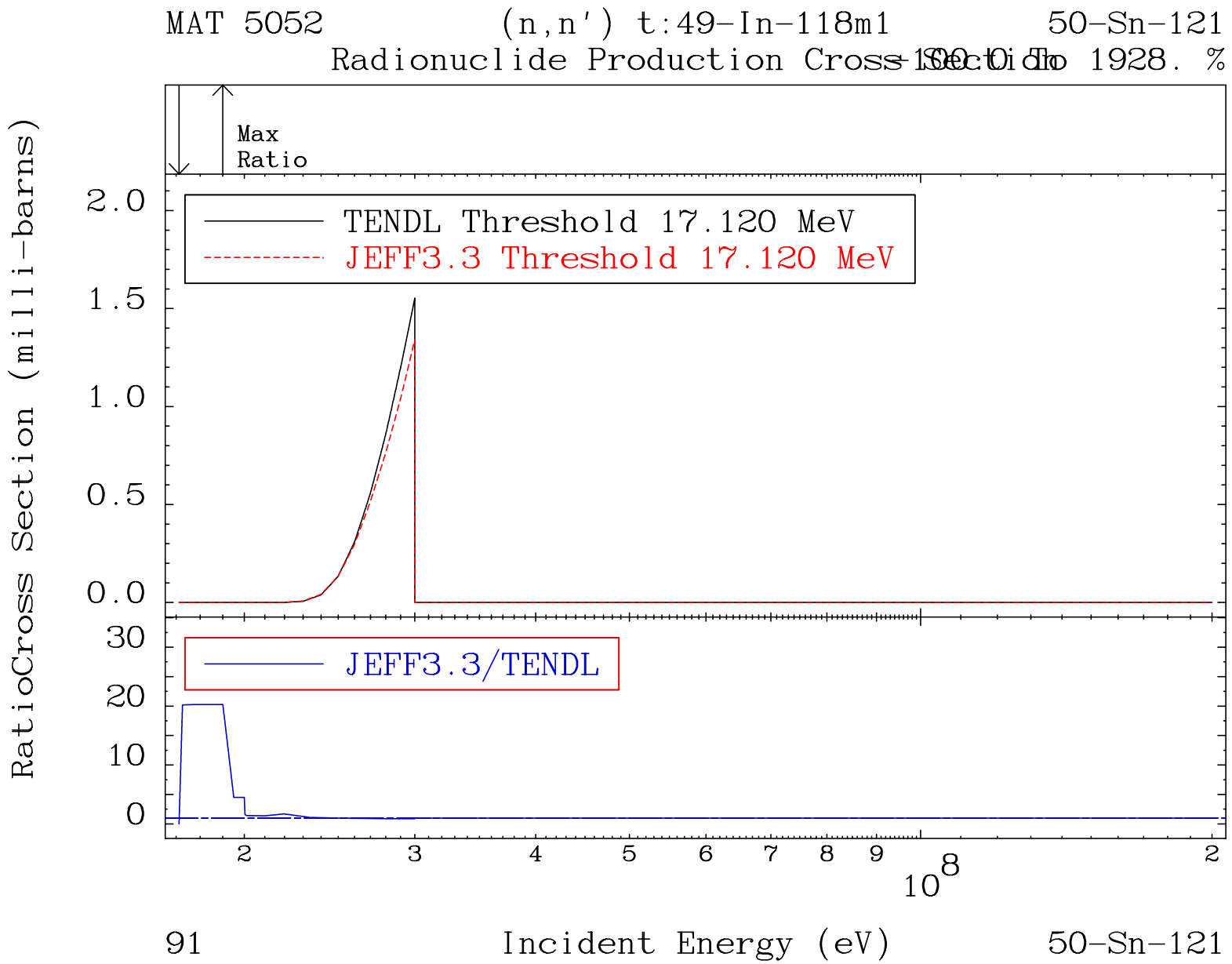

MAT 5052
(n,n') p:49-In-120m1
50-Sn-121
Radionuclide Production Cross Section To 262.6 %
Max
Ratio
TENDL Threshold 10.918 MeV
JEFF3.3 Threshold 10.918 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
4
2
0
2
3
4
5
6
7
8
9
2
10^8
86
Incident Energy (eV)
50-Sn-121

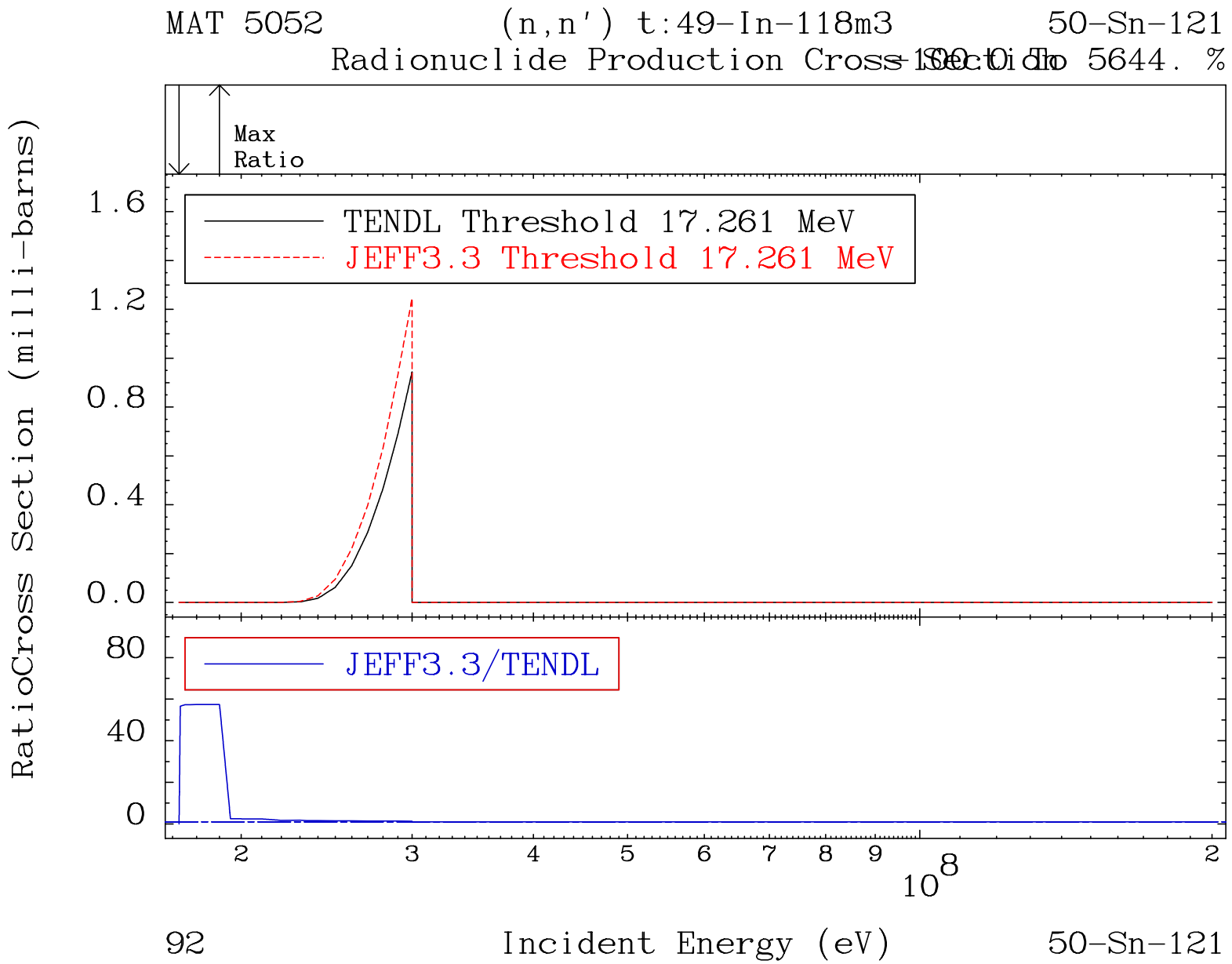

MAT 5052
(n,n') p:49-In-120m2
50-Sn-121
Radionuclide Production Cross Section To 839.5 %
Max
Ratio
TENDL Threshold 11.251 MeV
JEFF3.3 Threshold 11.251 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
87
Incident Energy (eV)
50-Sn-121

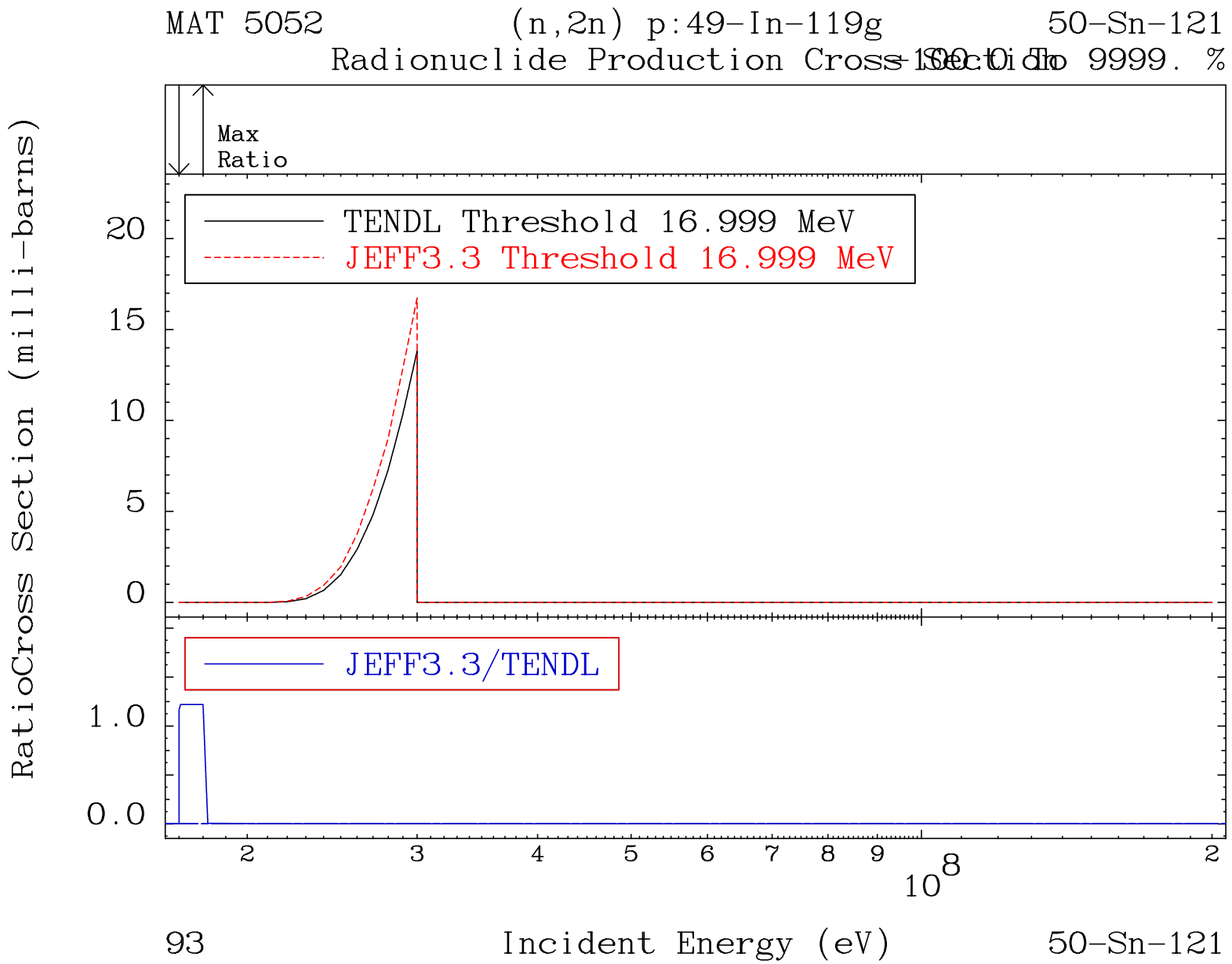

MAT 5052
(n,n') d:49-In-119g
50-Sn-121
Radionuclide Production Cross Section To 454.4 %
Max
Ratio
TENDL Threshold 14.756 MeV
JEFF3.3 Threshold 14.756 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
50-Sn-121

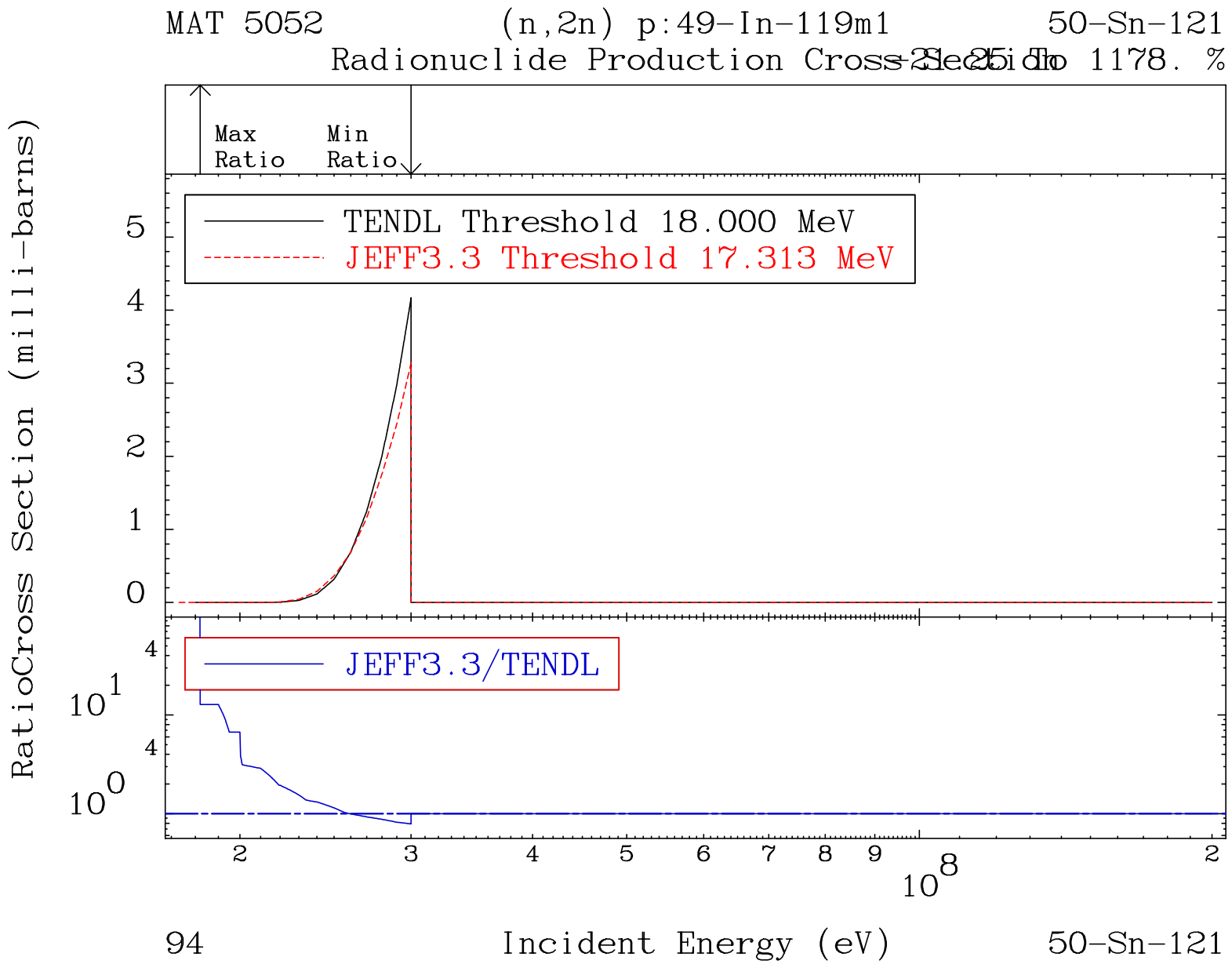

MAT 5052
(n,n') d:49-In-119m1
50-Sn-121
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 15.070 MeV
JEFF3.3 Threshold 16.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
89
Incident Energy (eV)
50-Sn-121

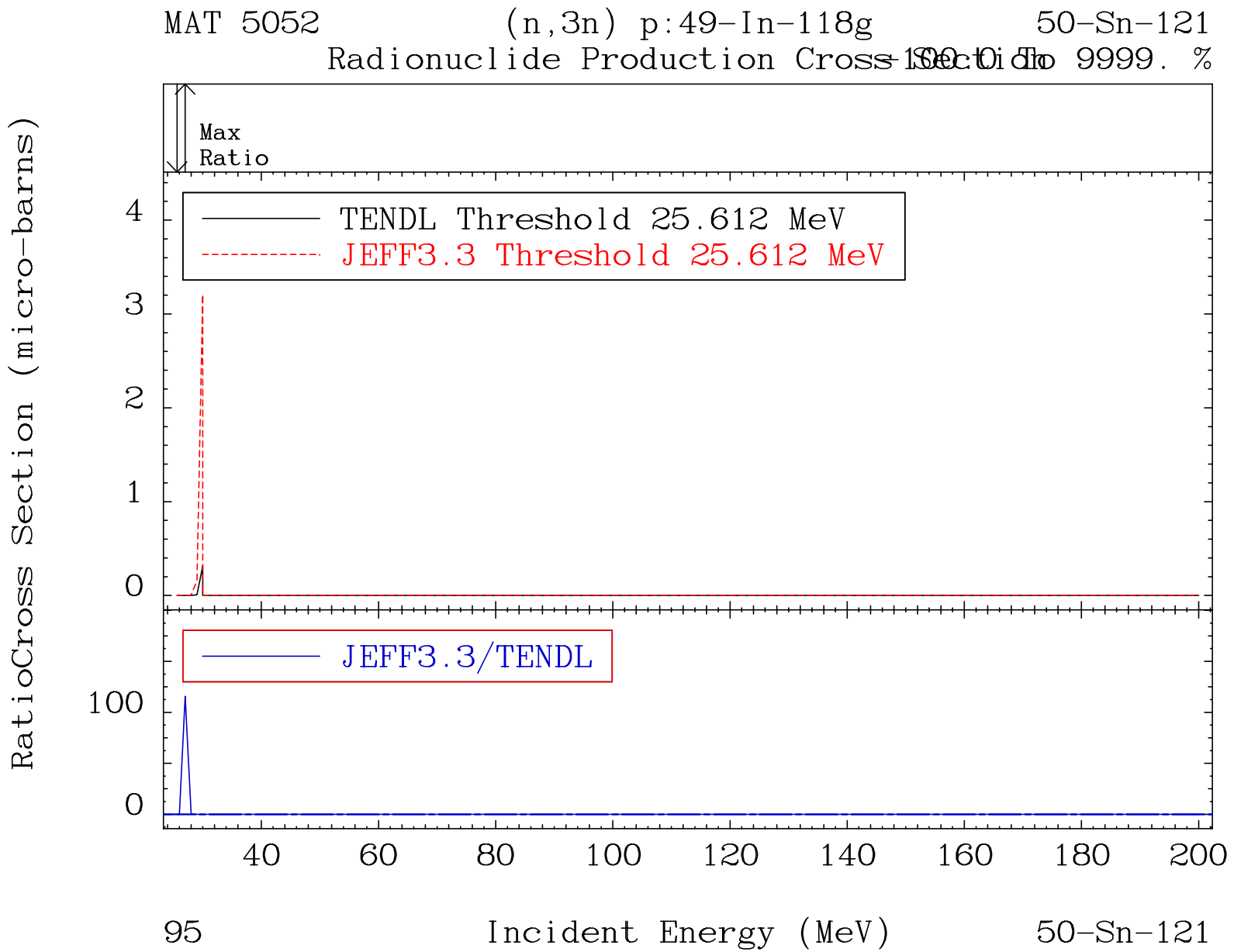

MAT 5052
(n,n') t:49-In-118g
50-Sn-121
Radionuclide Production Cross Section To 1181. %
Max
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
TENDL Threshold 17.059 MeV
JEFF3.3 Threshold 17.059 MeV
JEFF3.3/TENDL
10
0
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
90
Incident Energy (eV)
50-Sn-121

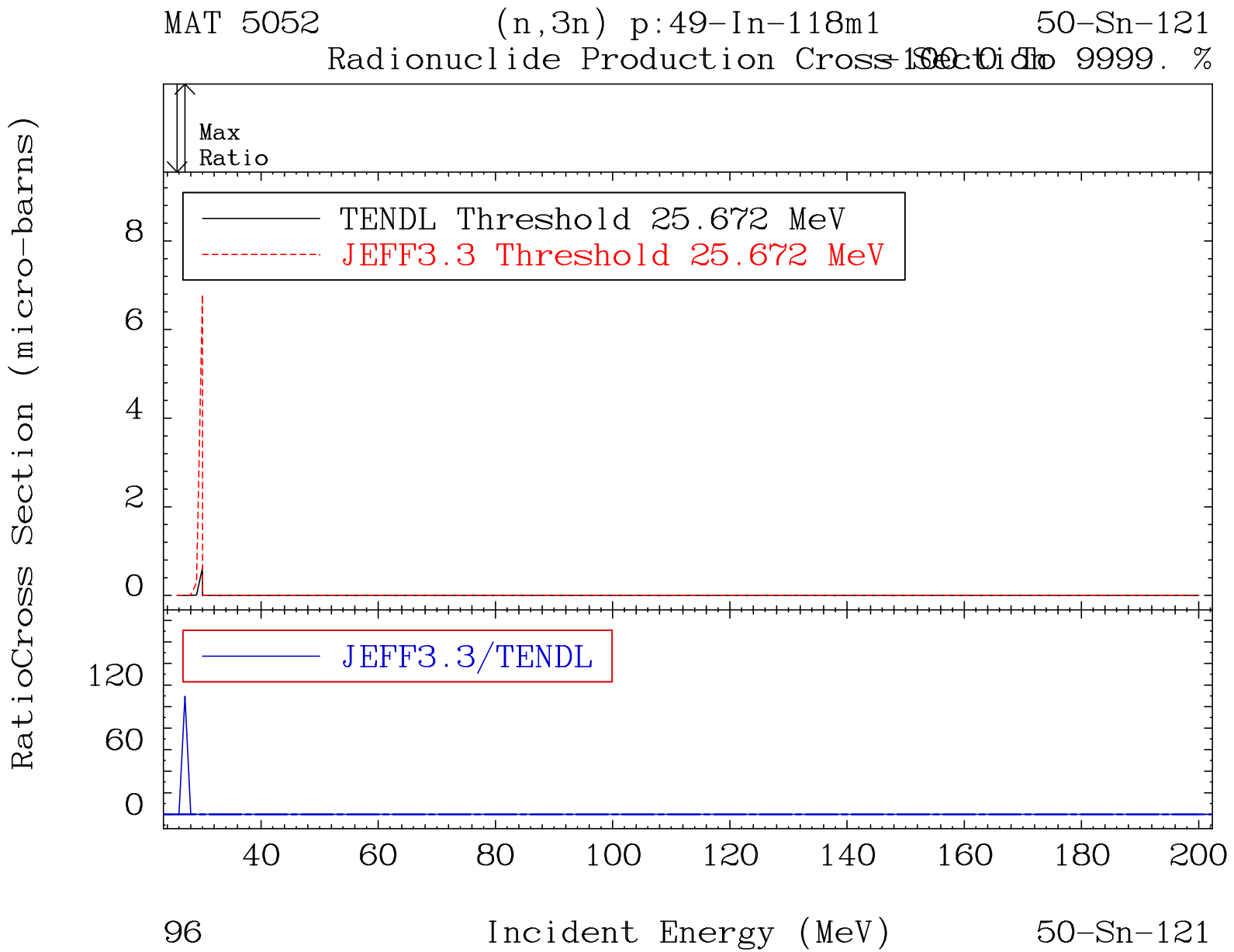

MAT 5052 (n,n') t:49-In-118m1 50-Sn-121
Radionuclide Production Cross Section To 1928. %
Max
Ratio
TENDL Threshold 17.120 MeV
JEFF3.3 Threshold 17.120 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
30
20
10
0
2
3
4
5
6
7
8
9
10^8
2
91
Incident Energy (eV)
50-Sn-121

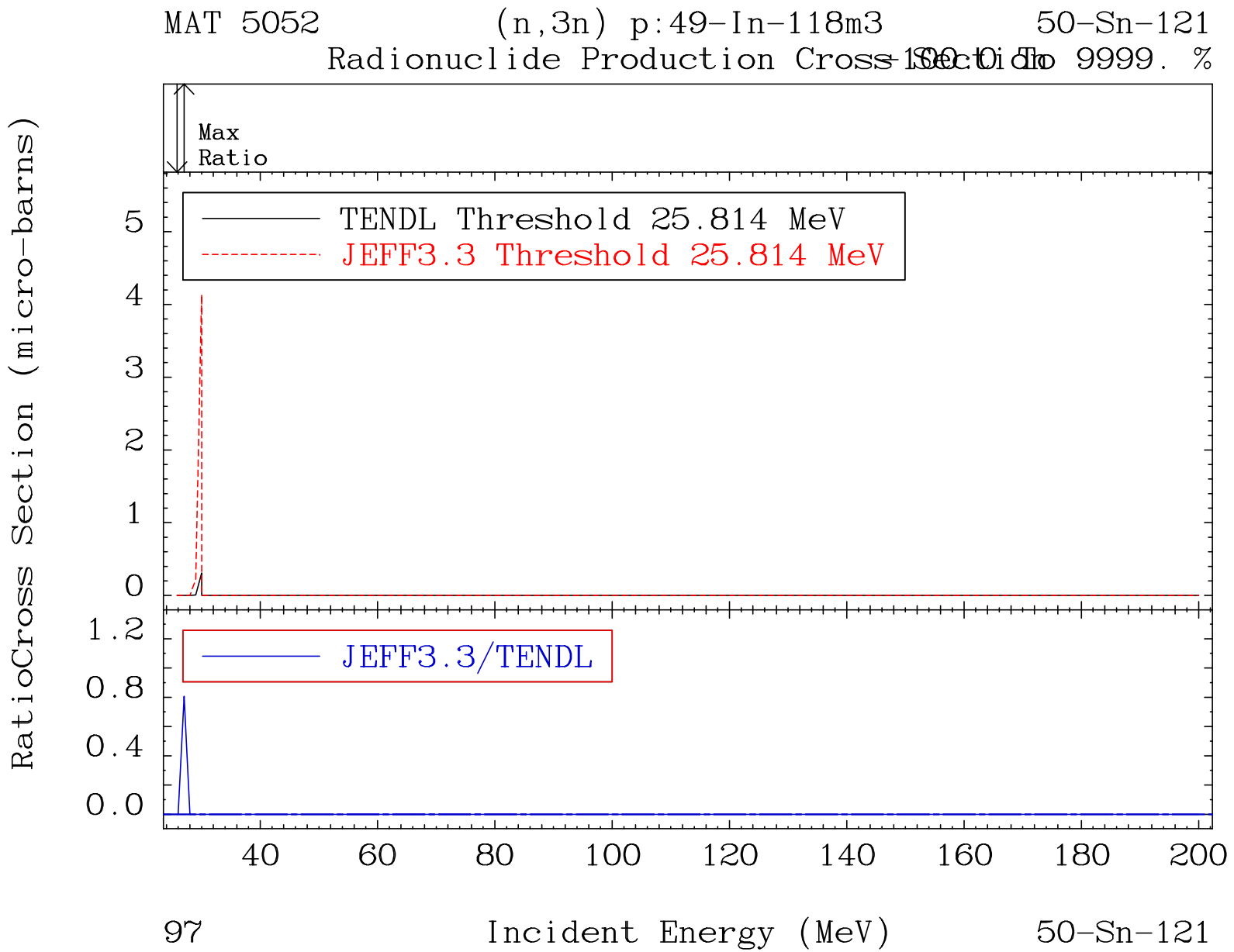

MAT 5052 (n,n') t:49-In-118m3 50-Sn-121
Radionuclide Production Cross Section To 5644. %
Max
Ratio
TENDL Threshold 17.261 MeV
JEFF3.3 Threshold 17.261 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
80
40
0
2
3
4
5
6
7
8
9
2
10^8
92
Incident Energy (eV)
50-Sn-121

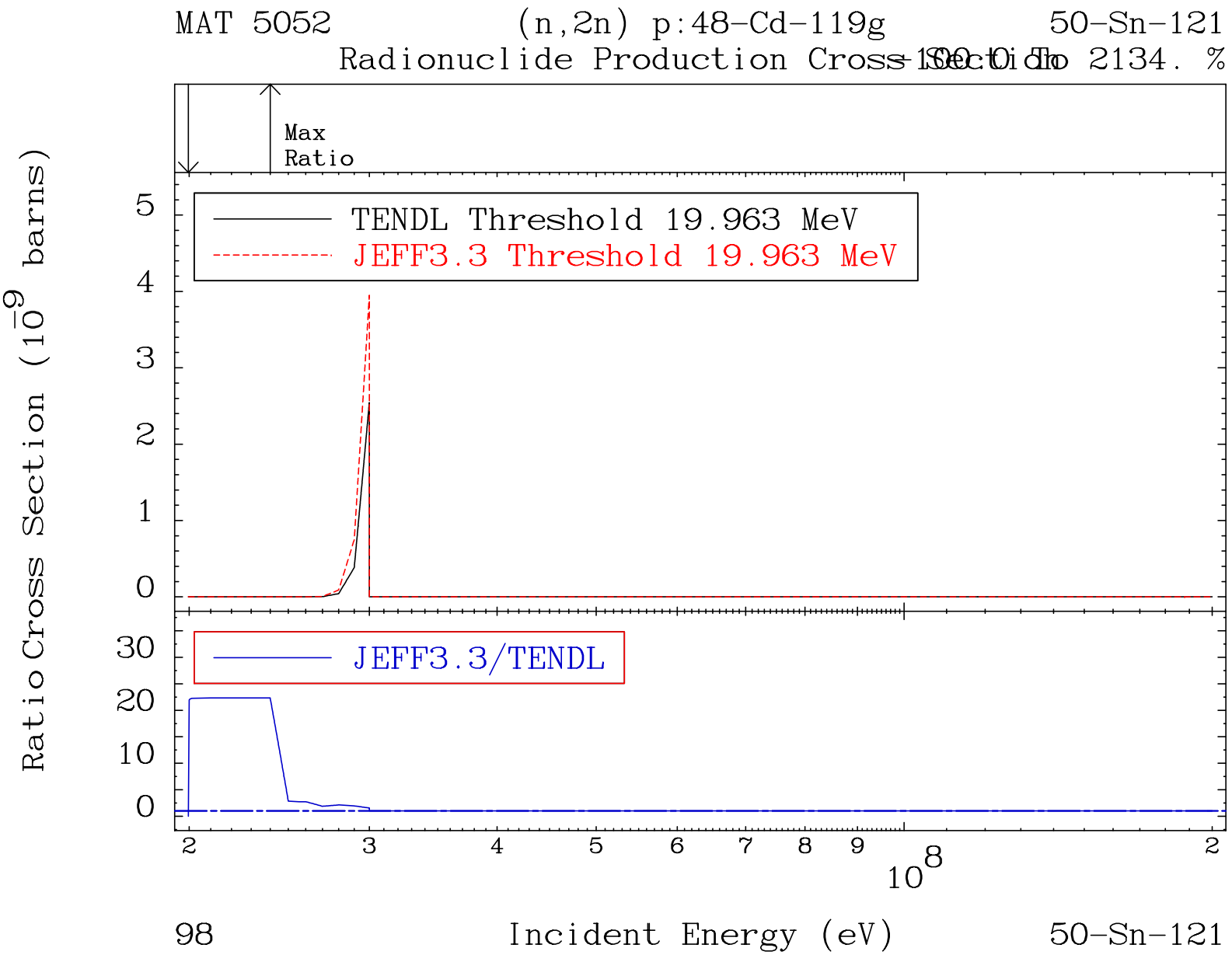

MAT 5052
(n,2n) p:49-In-119g
50-Sn-121
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 16.999 MeV
JEFF3.3 Threshold 16.999 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
93
Incident Energy (eV)
50-Sn-121

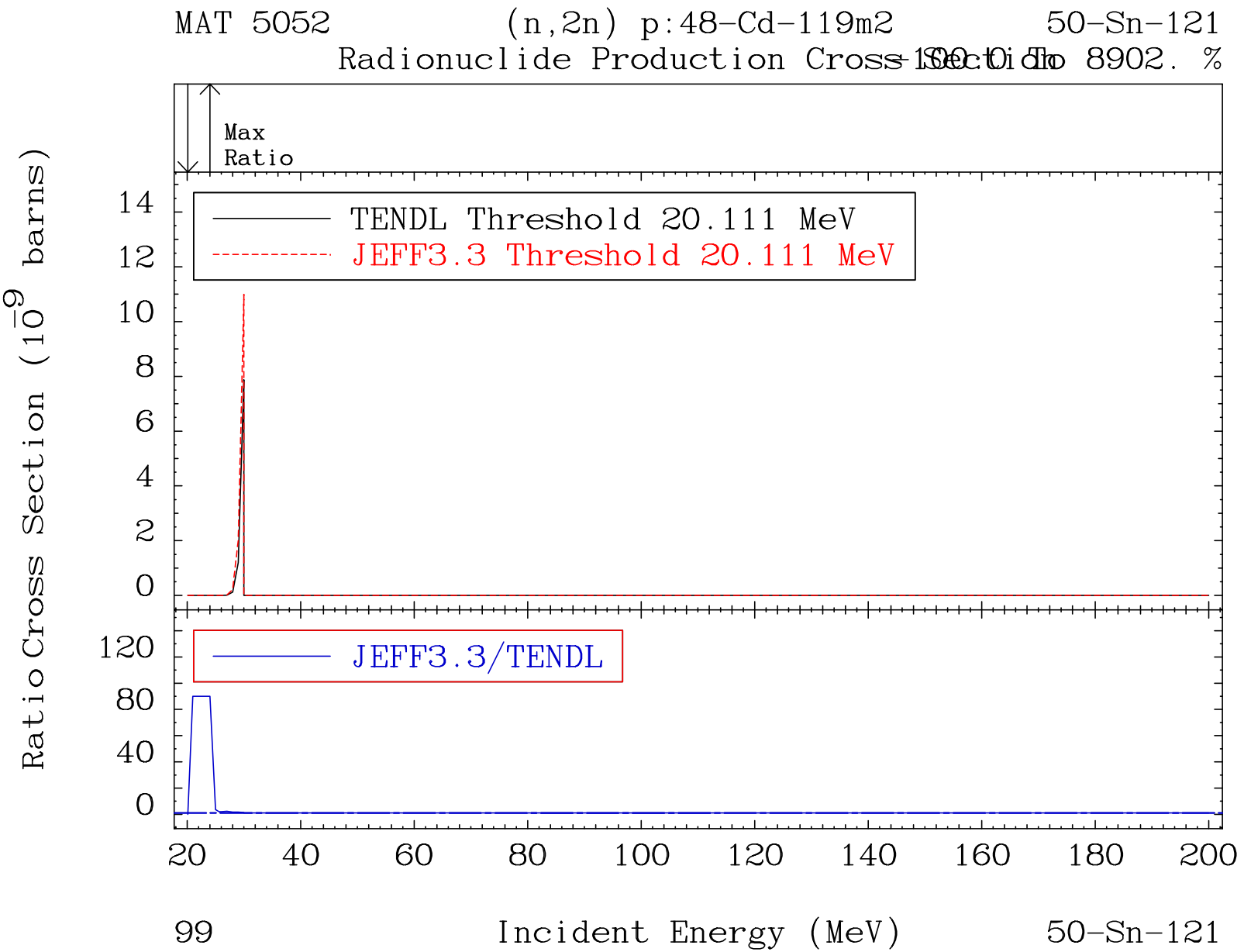

MAT 5052
(n,2n) p:49-In-119m1
50-Sn-121
Radionuclide Production Cross Section To 1178. %
Max Ratio
Min Ratio
TENDL Threshold 18.000 MeV
JEFF3.3 Threshold 17.313 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
94
50-Sn-121

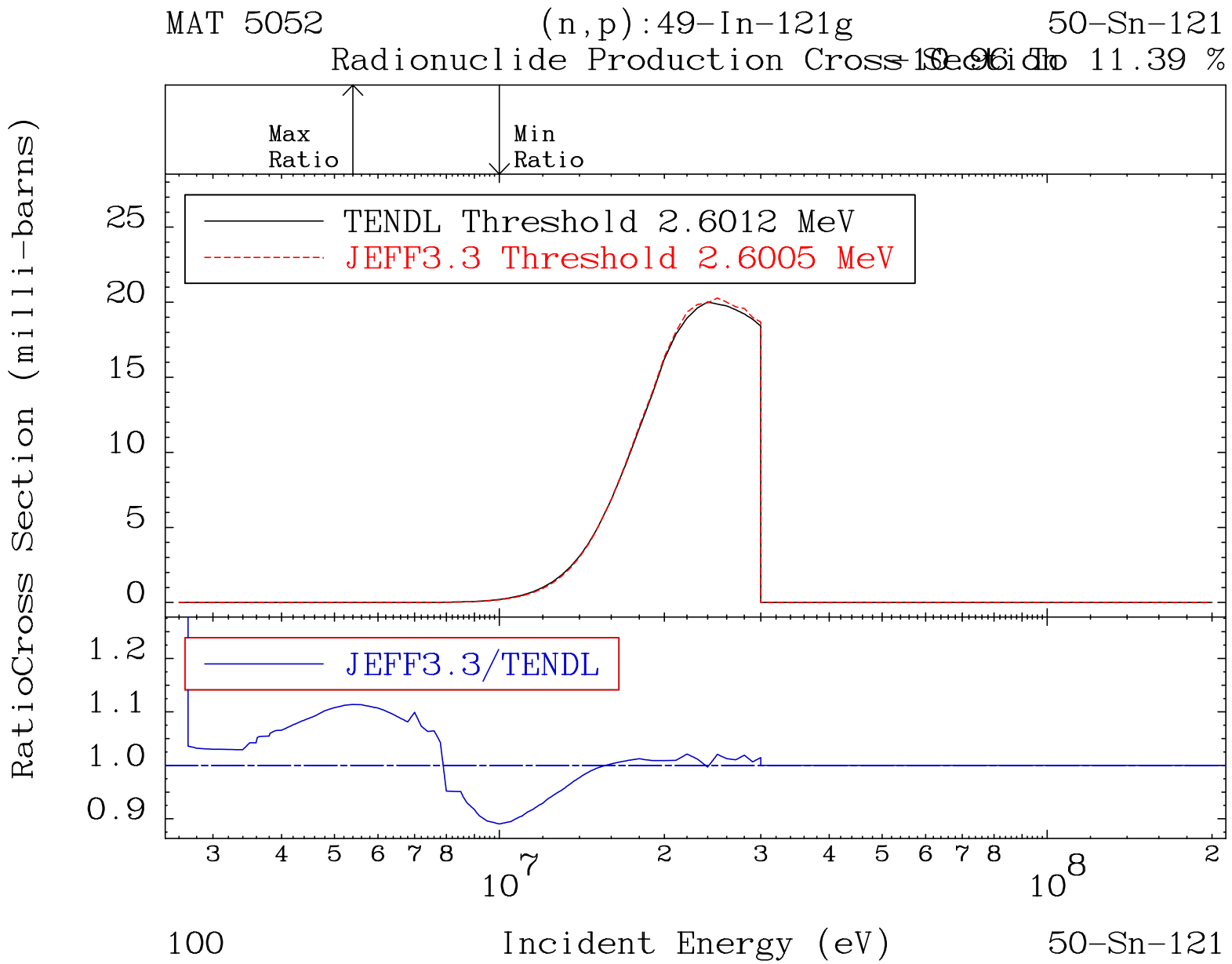

MAT 5052
(n,3n) p:49-In-118g
50-Sn-121
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 25.612 MeV
JEFF3.3 Threshold 25.612 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
4
3
2
1
0
100
0
40
60
80
100
120
140
160
180
200
95
Incident Energy (MeV)
50-Sn-121

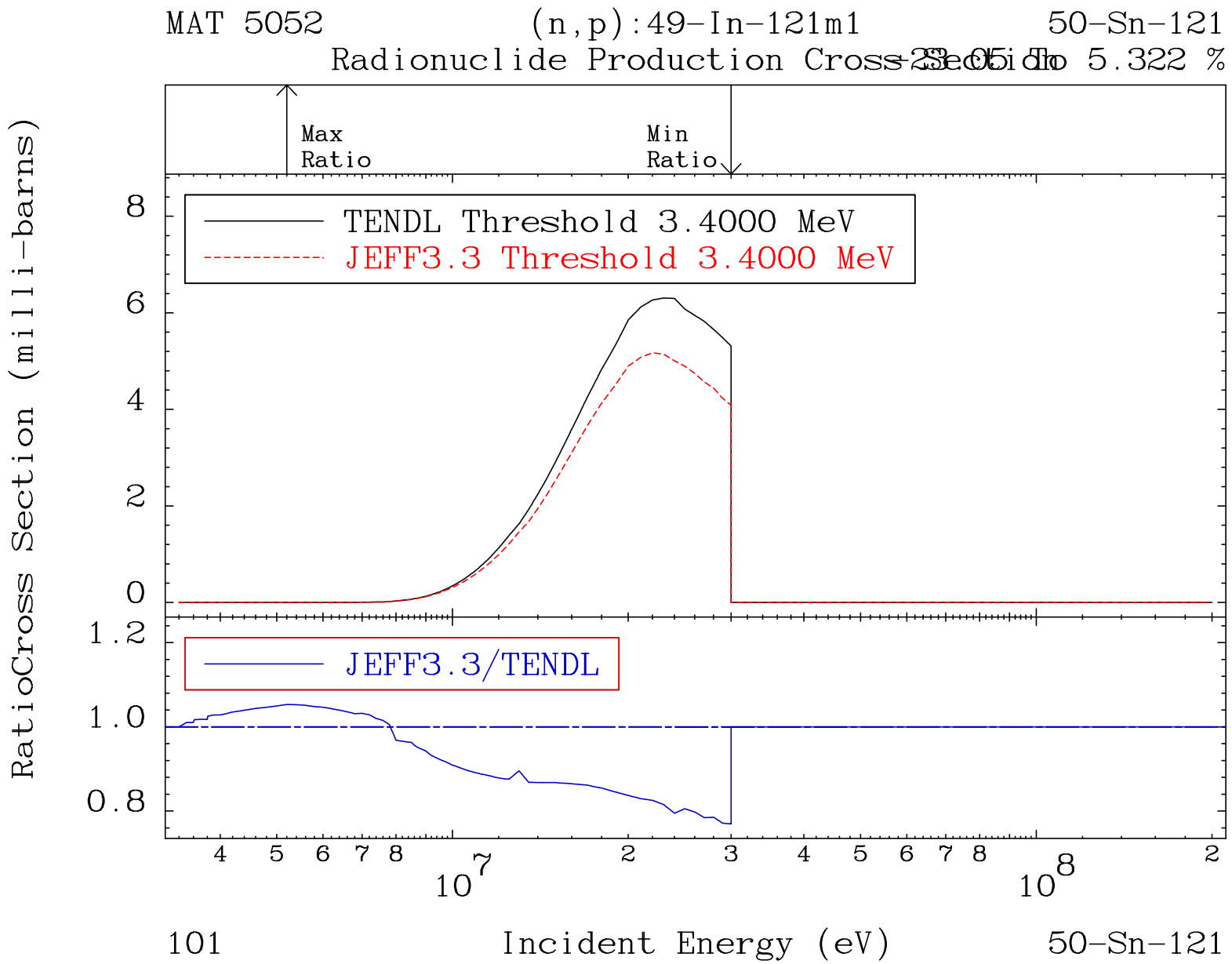

MAT 5052
(n,3n) p:49-In-118m1
50-Sn-121
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 25.672 MeV
JEFF3.3 Threshold 25.672 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
0
2
4
6
8
0
60
120
40
60
80
100
120
140
160
180
200
96
Incident Energy (MeV)
50-Sn-121

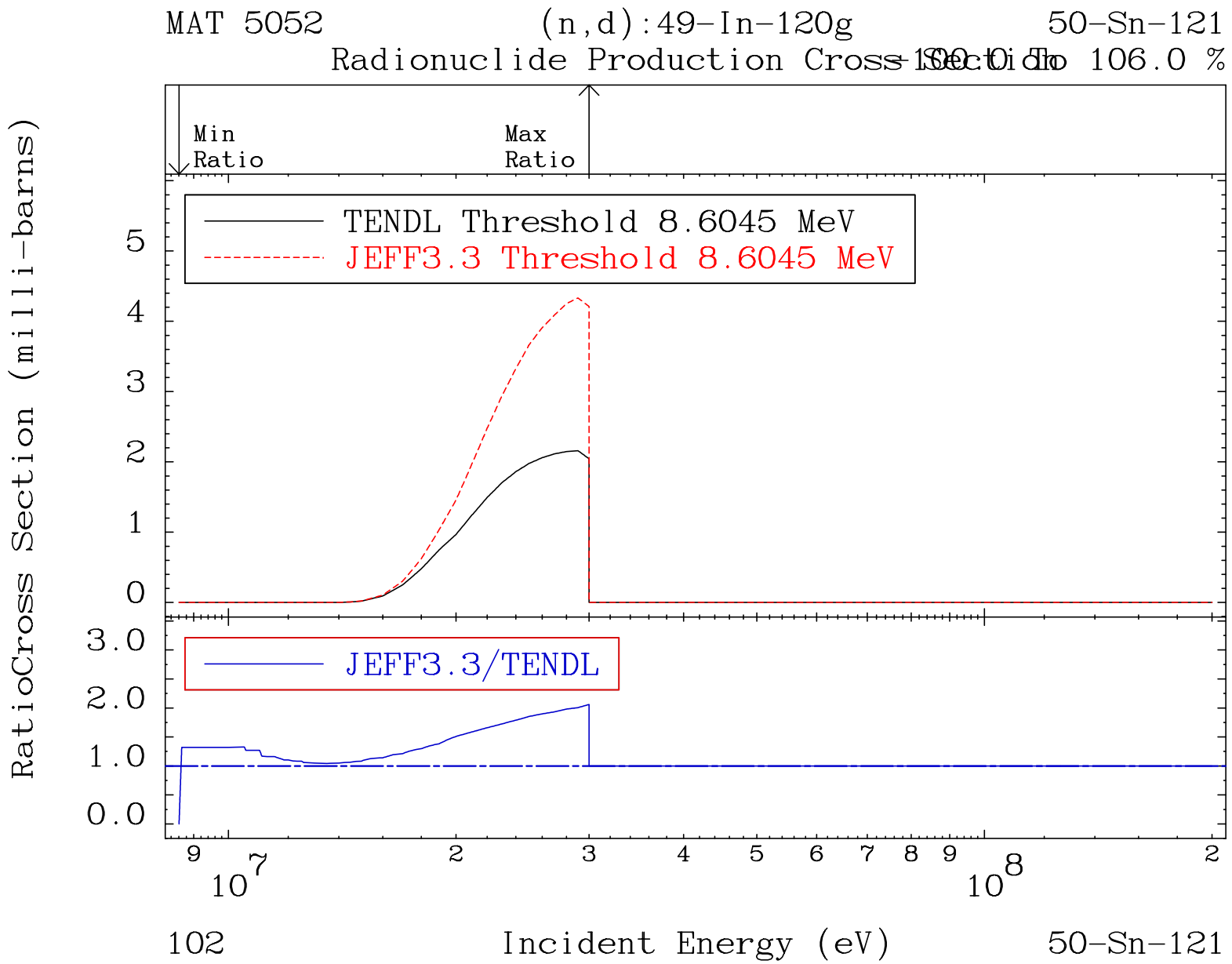

MAT 5052
(n,3n) p:49-In-118m3
50-Sn-121
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 25.814 MeV
JEFF3.3 Threshold 25.814 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
0
1
2
3
4
5
0.0
0.4
0.8
1.2
40
60
80
100
120
140
160
180
200
97
Incident Energy (MeV)
50-Sn-121

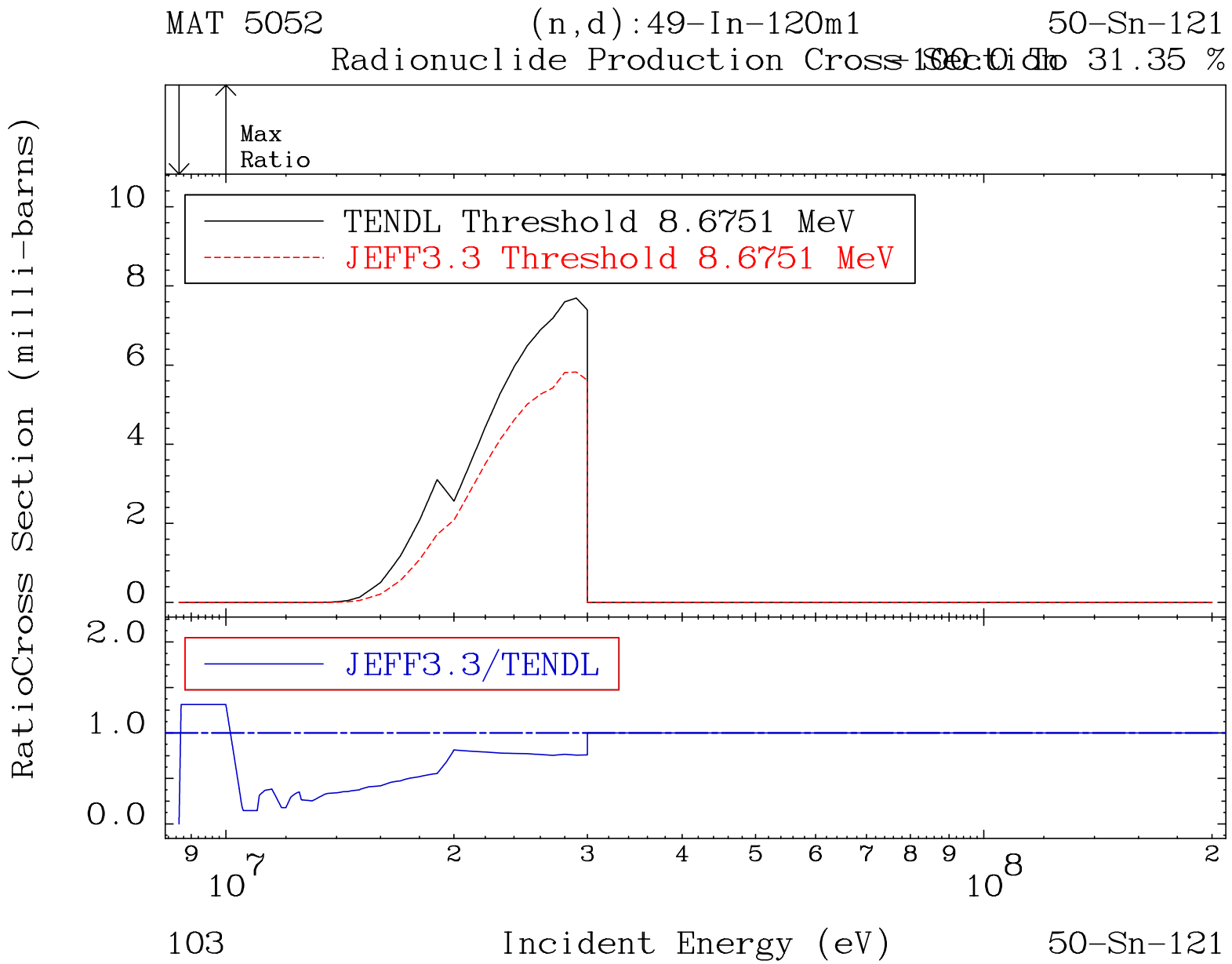

MAT 5052
(n,2n) p:48-Cd-119g
50-Sn-121
Radionuclide Production Cross Section To 2134. %
Max
Ratio
TENDL Threshold 19.963 MeV
JEFF3.3 Threshold 19.963 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (eV)
10^8
98
50-Sn-121

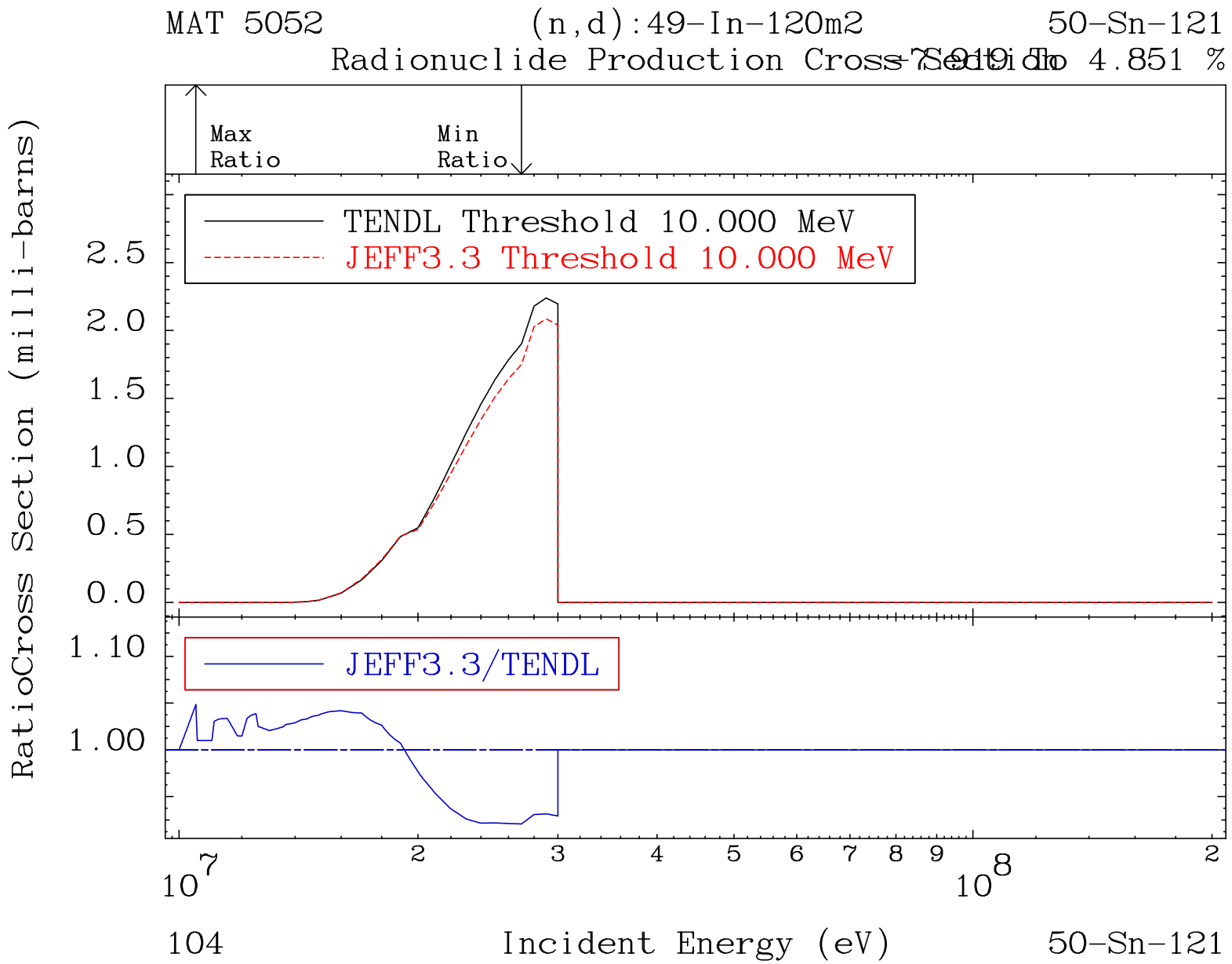

MAT 5052
(n,2n) p:48-Cd-119m2
50-Sn-121
Radionuclide Production Cross Section To 8902. %
Max
Ratio
TENDL Threshold 20.111 MeV
JEFF3.3 Threshold 20.111 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
14
12
10
8
6
4
2
0
120
80
40
0
20
40
60
80
100
120
140
160
180
200
99
Incident Energy (MeV)
50-Sn-121

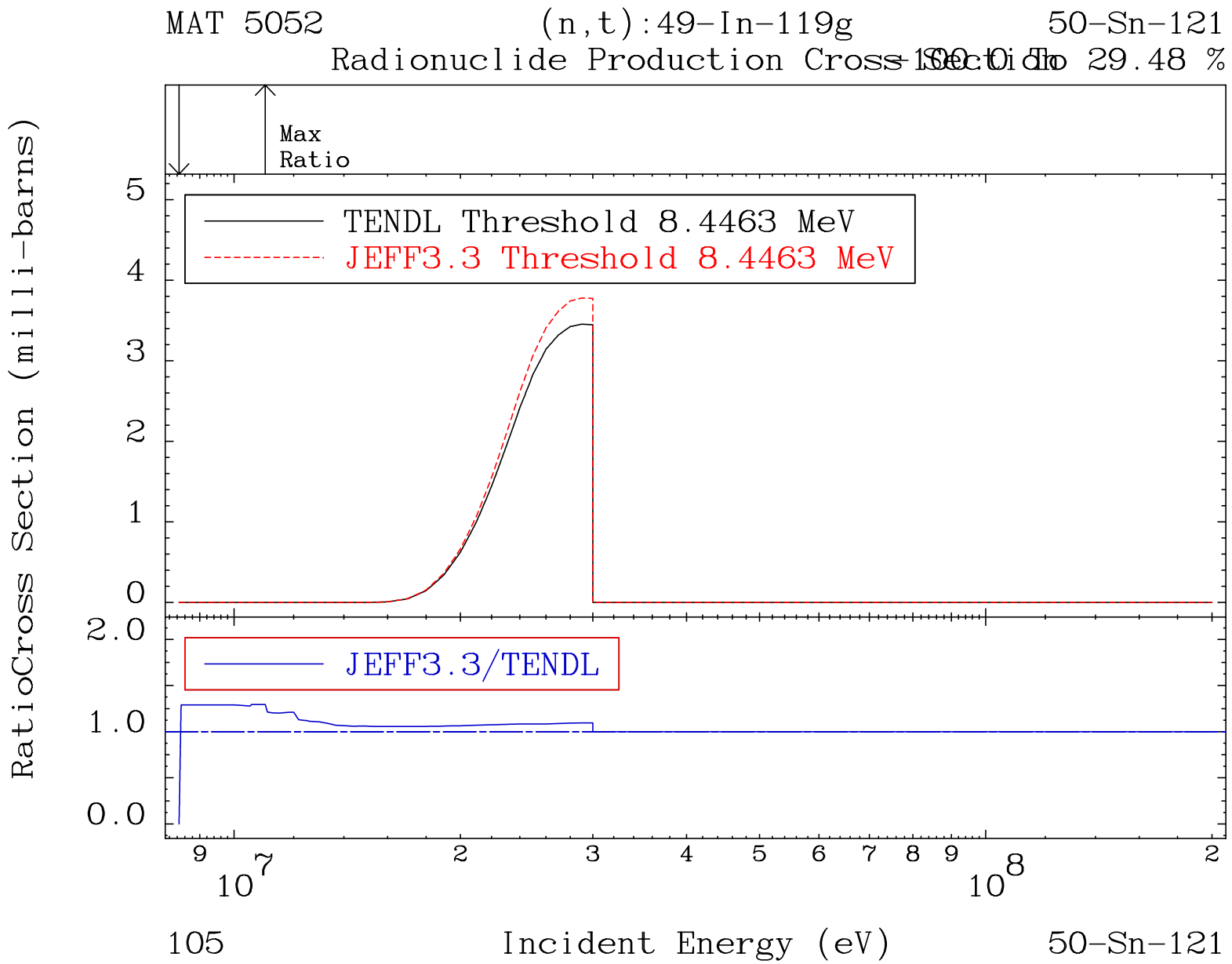

MAT 5052
(n,p):49-In-121g
50-Sn-121
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 2.6012 MeV
JEFF3.3 Threshold 2.6005 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
100
50-Sn-121

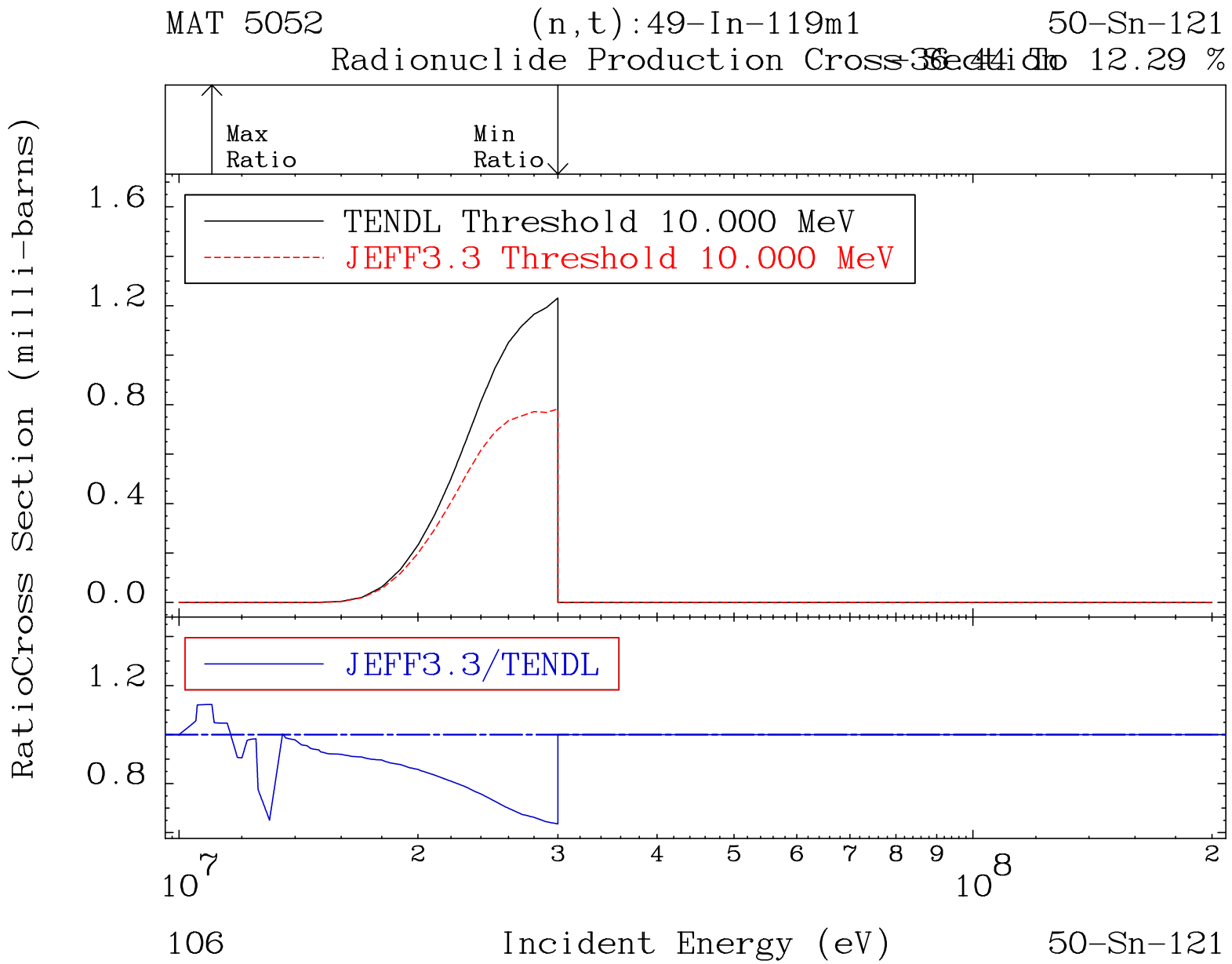

MAT 5052
(n,p):49-In-121m1
50-Sn-121
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 3.4000 MeV
JEFF3.3 Threshold 3.4000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
101
50-Sn-121

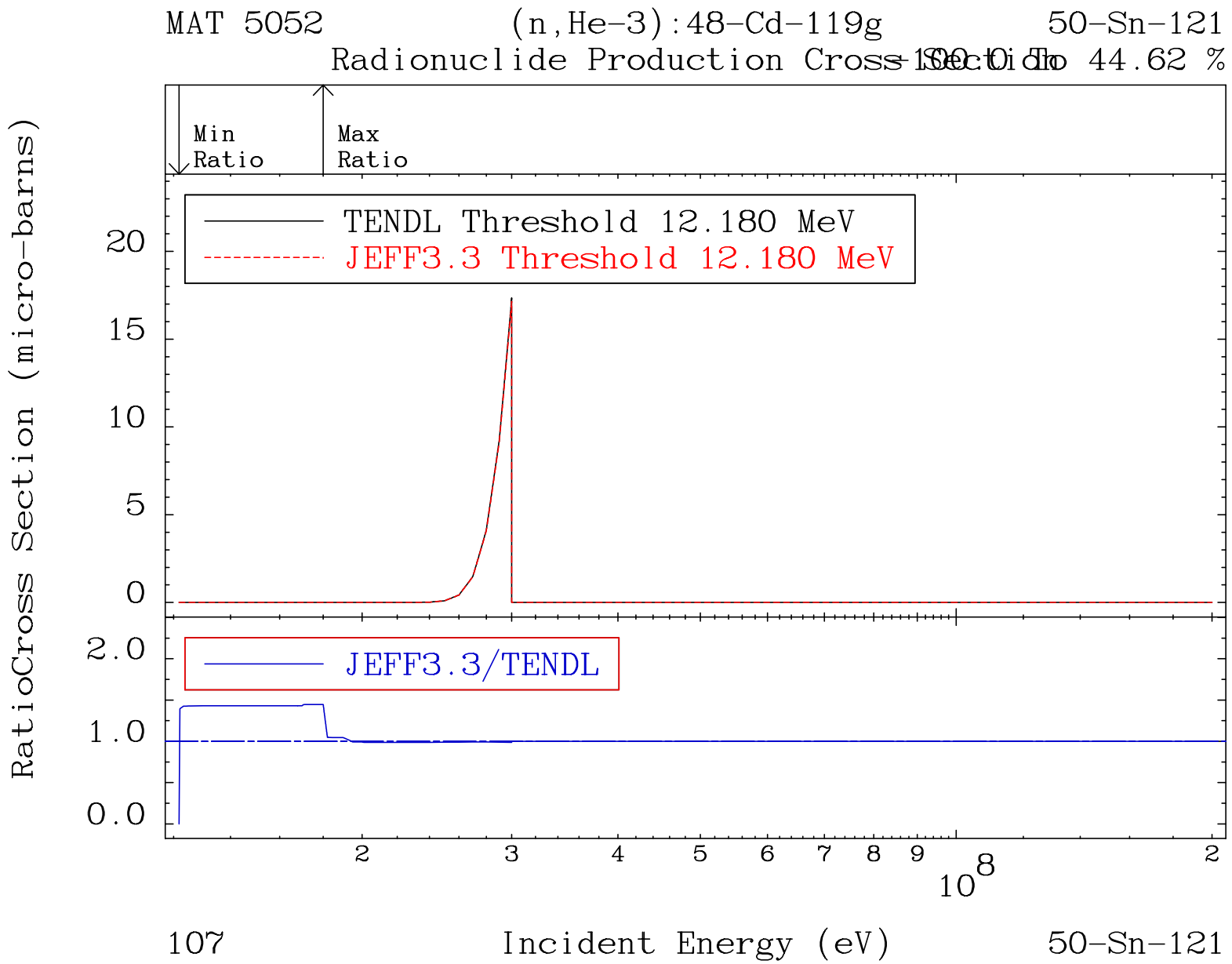

MAT 5052
(n,d):49-In-120g
50-Sn-121
Radionuclide Production Cross Section To 106.0 %
Min Ratio
Max Ratio
TENDL Threshold 8.6045 MeV
JEFF3.3 Threshold 8.6045 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
102
50-Sn-121

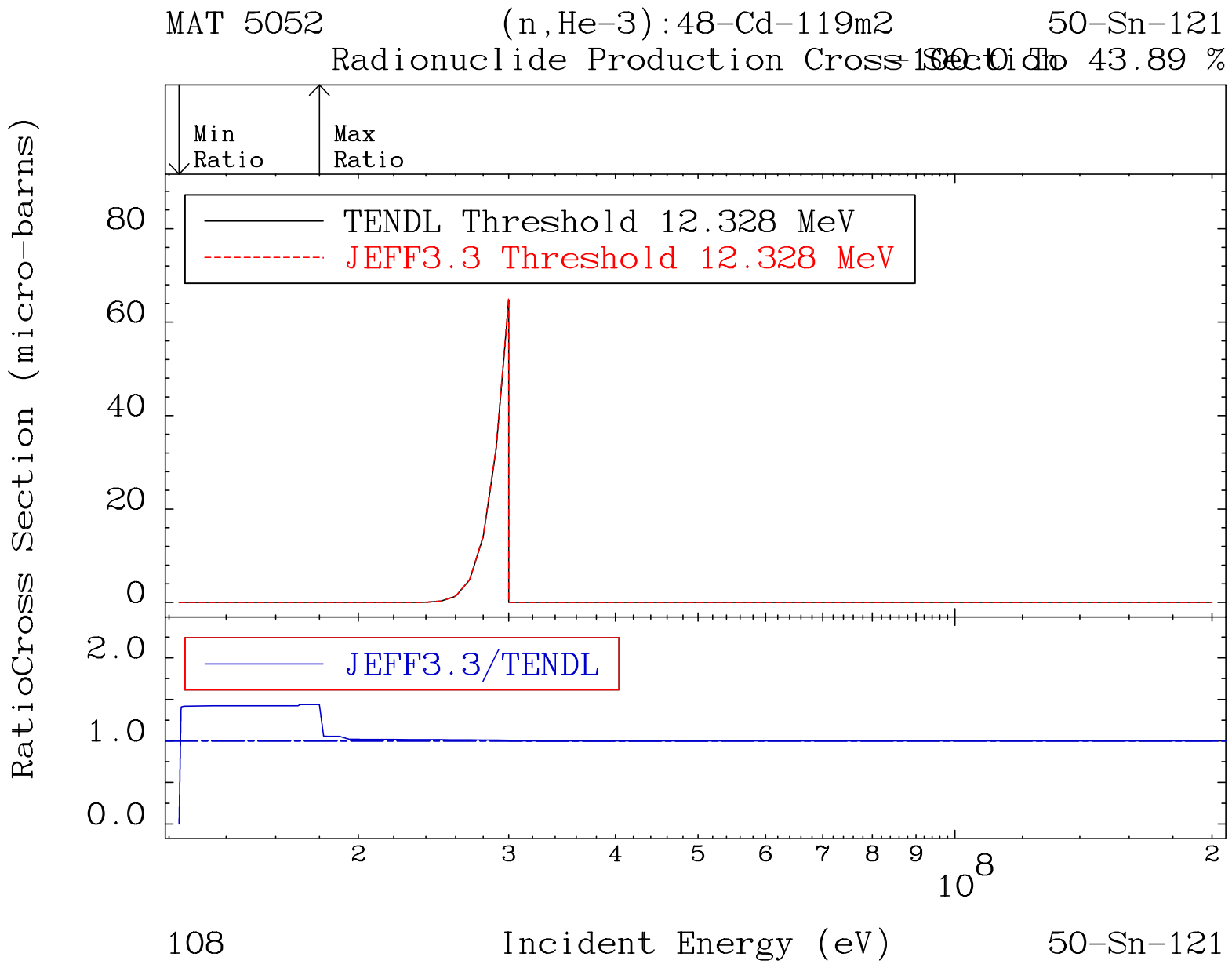

MAT 5052
(n,d):49-In-120m1
50-Sn-121
Radionuclide Production Cross Section To 31.35 %
Max
Ratio
TENDL Threshold 8.6751 MeV
JEFF3.3 Threshold 8.6751 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
103
50-Sn-121

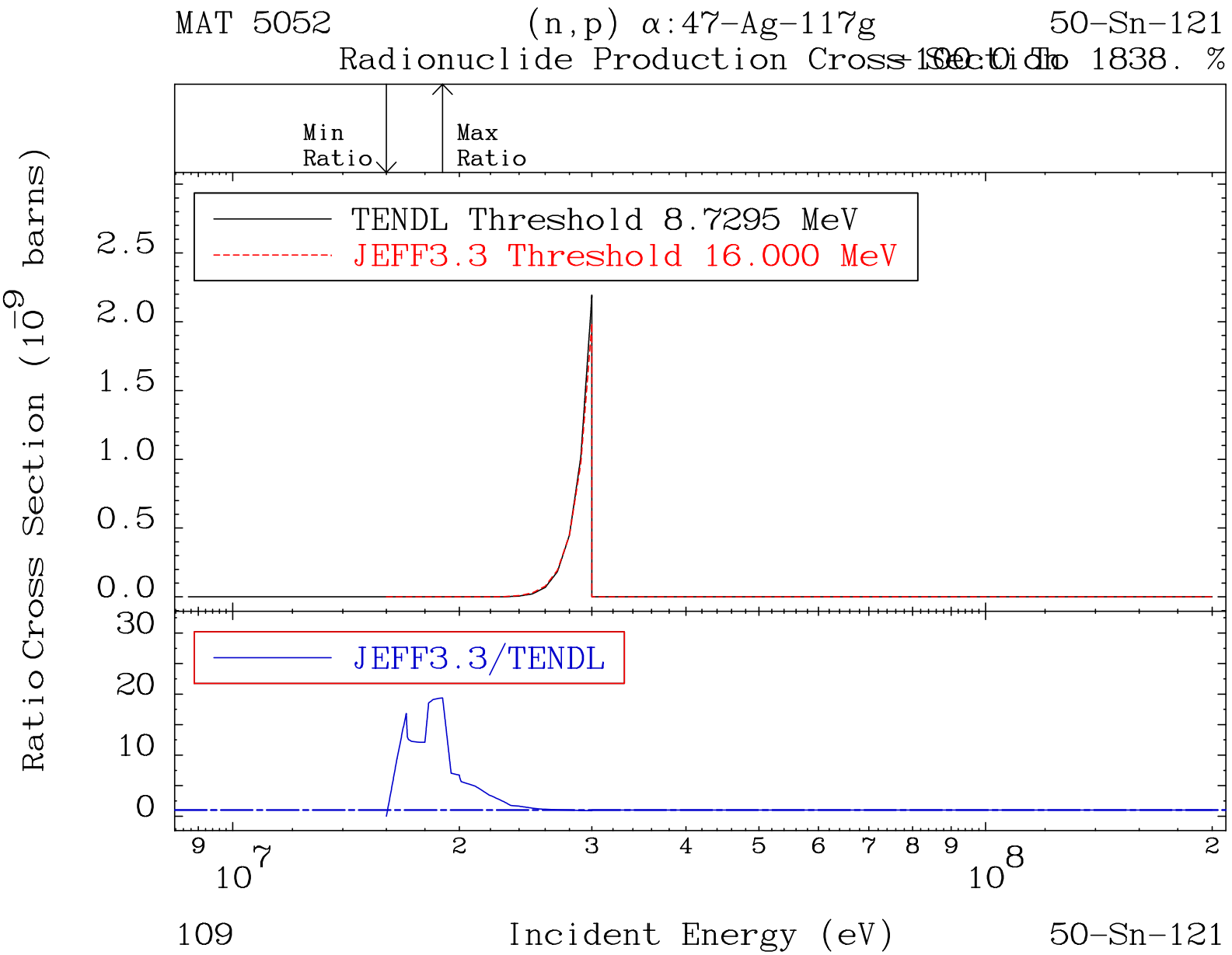

MAT 5052
(n,d):49-In-120m2
50-Sn-121
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 10.000 MeV
JEFF3.3 Threshold 10.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
104
50-Sn-121

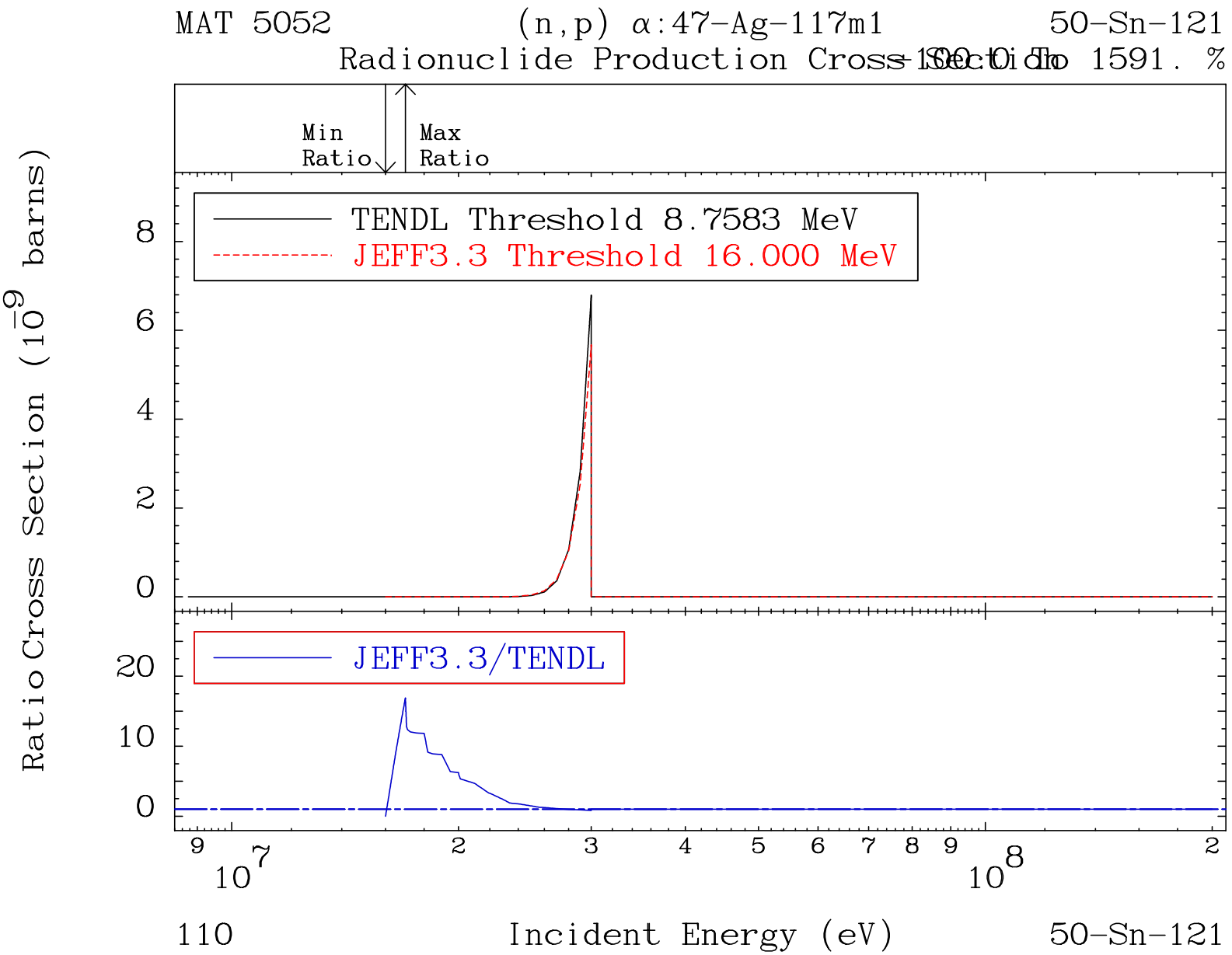

MAT 5052
(n,t):49-In-119g
50-Sn-121
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 8.4463 MeV
JEFF3.3 Threshold 8.4463 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
105
50-Sn-121


MAT 5052
(n,t):49-In-119m1
50-Sn-121
Radionuclide Production Cross Section To 12.29 %
Max Ratio
Min Ratio
TENDL Threshold 10.000 MeV
JEFF3.3 Threshold 10.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
1.2
0.8
10^7
2
3
4
5
6
7
8
9
10^8
2
106
Incident Energy (eV)
50-Sn-121


MAT 5052
(n,He-3):48-Cd-119g
50-Sn-121
Radionuclide Production Cross Section To 44.62 %
Min Ratio
Max Ratio
TENDL Threshold 12.180 MeV
JEFF3.3 Threshold 12.180 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
20
15
10
5
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
107
Incident Energy (eV)
50-Sn-121


MAT 5052
(n,He-3):48-Cd-119m2
50-Sn-121
Radionuclide Production Cross Section To 43.89 %
Min Ratio
Max Ratio
TENDL Threshold 12.328 MeV
JEFF3.3 Threshold 12.328 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
80
60
40
20
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
108
Incident Energy (eV)
50-Sn-121


MAT 5052
(n,p) α:47-Ag-117g
50-Sn-121
Radionuclide Production Cross Section To 1838. %
Min Ratio
Max Ratio
TENDL Threshold 8.7295 MeV
JEFF3.3 Threshold 16.000 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
2.5
2.0
1.5
1.0
0.5
0.0
30
20
10
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
109
Incident Energy (eV)
50-Sn-121


MAT 5052
(n,p) α:47-Ag-117m1
50-Sn-121
Radionuclide Production Cross Section To 1591. %
Min Ratio
Max Ratio
TENDL Threshold 8.7583 MeV
JEFF3.3 Threshold 16.000 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (eV)
110
50-Sn-121