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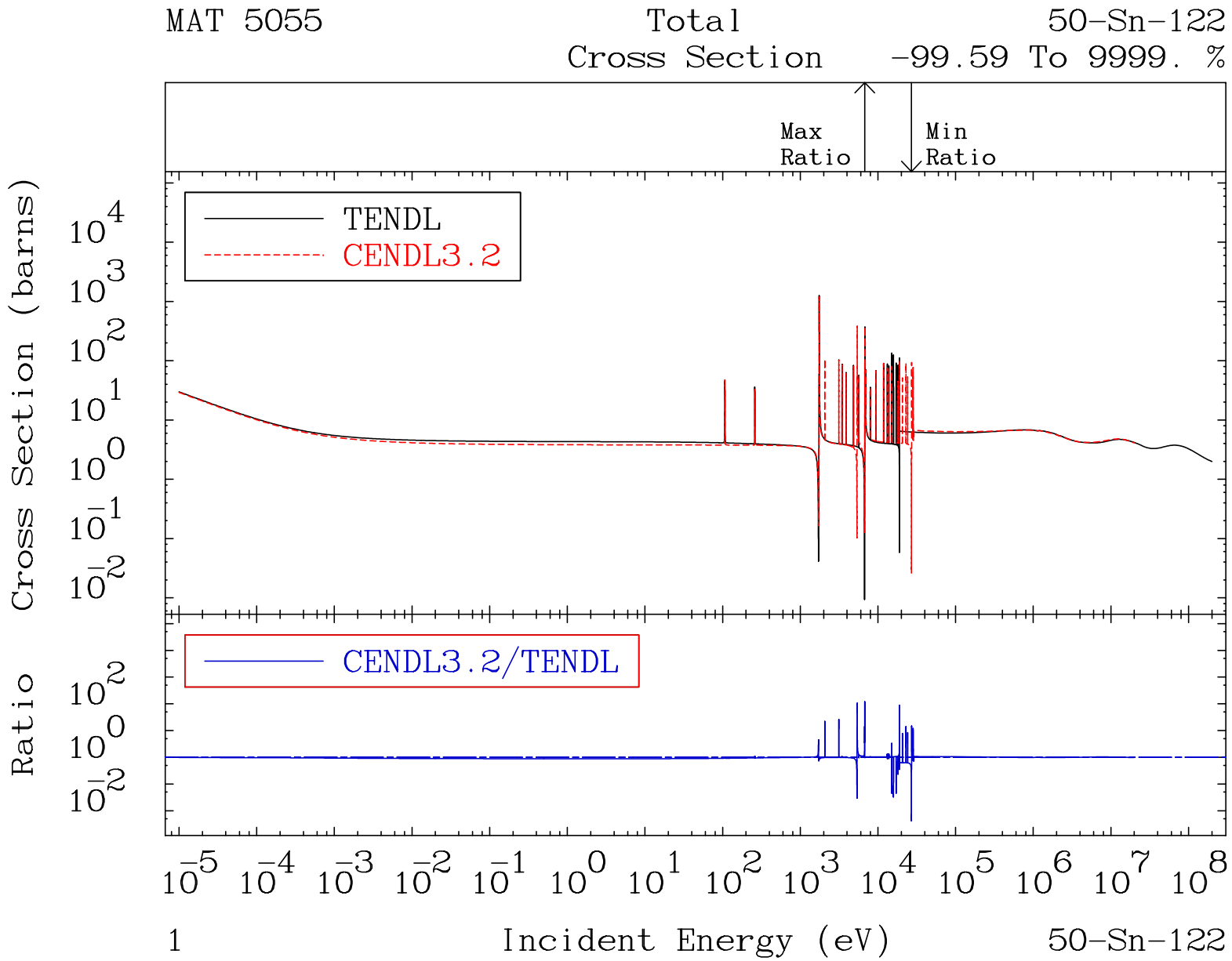
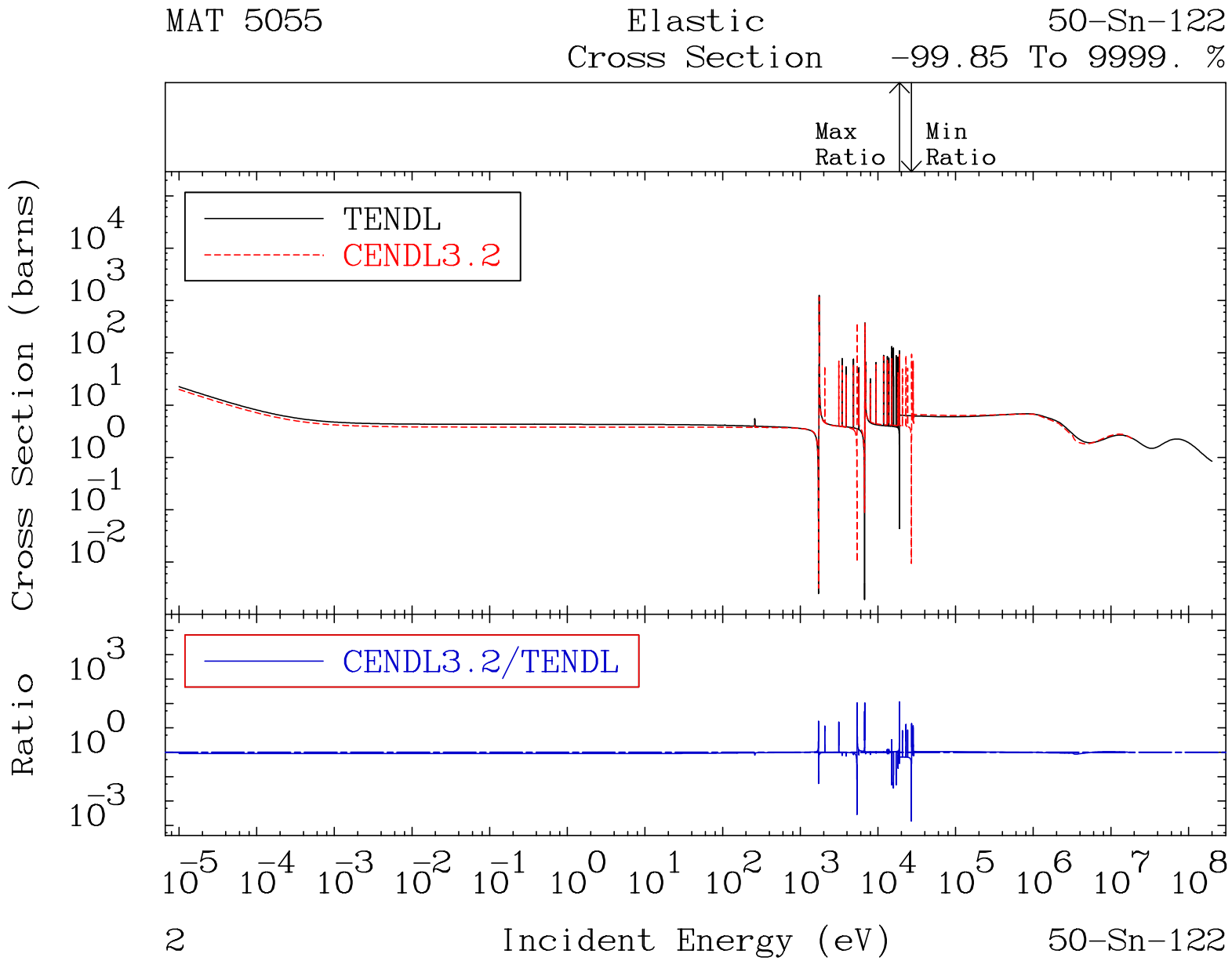
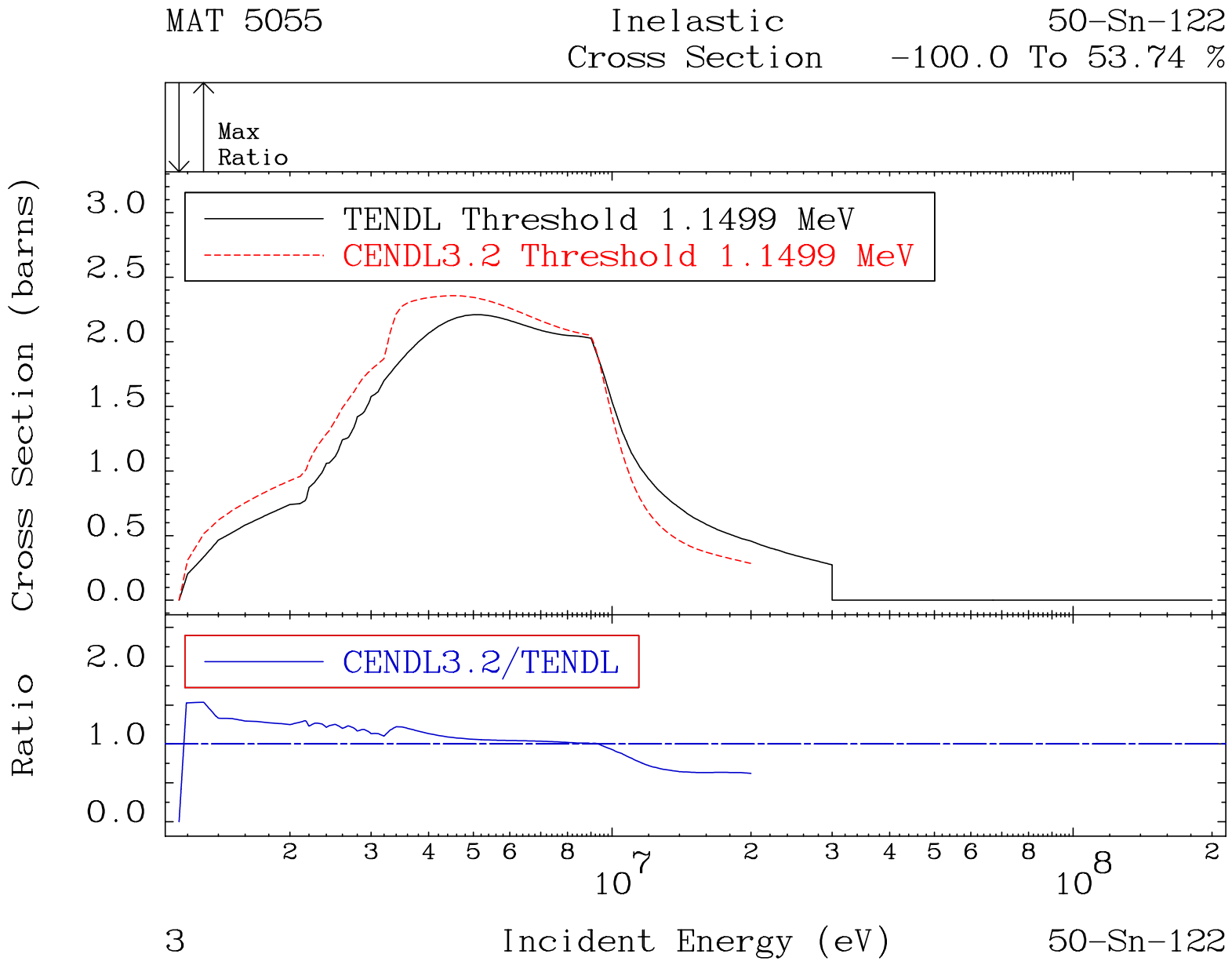
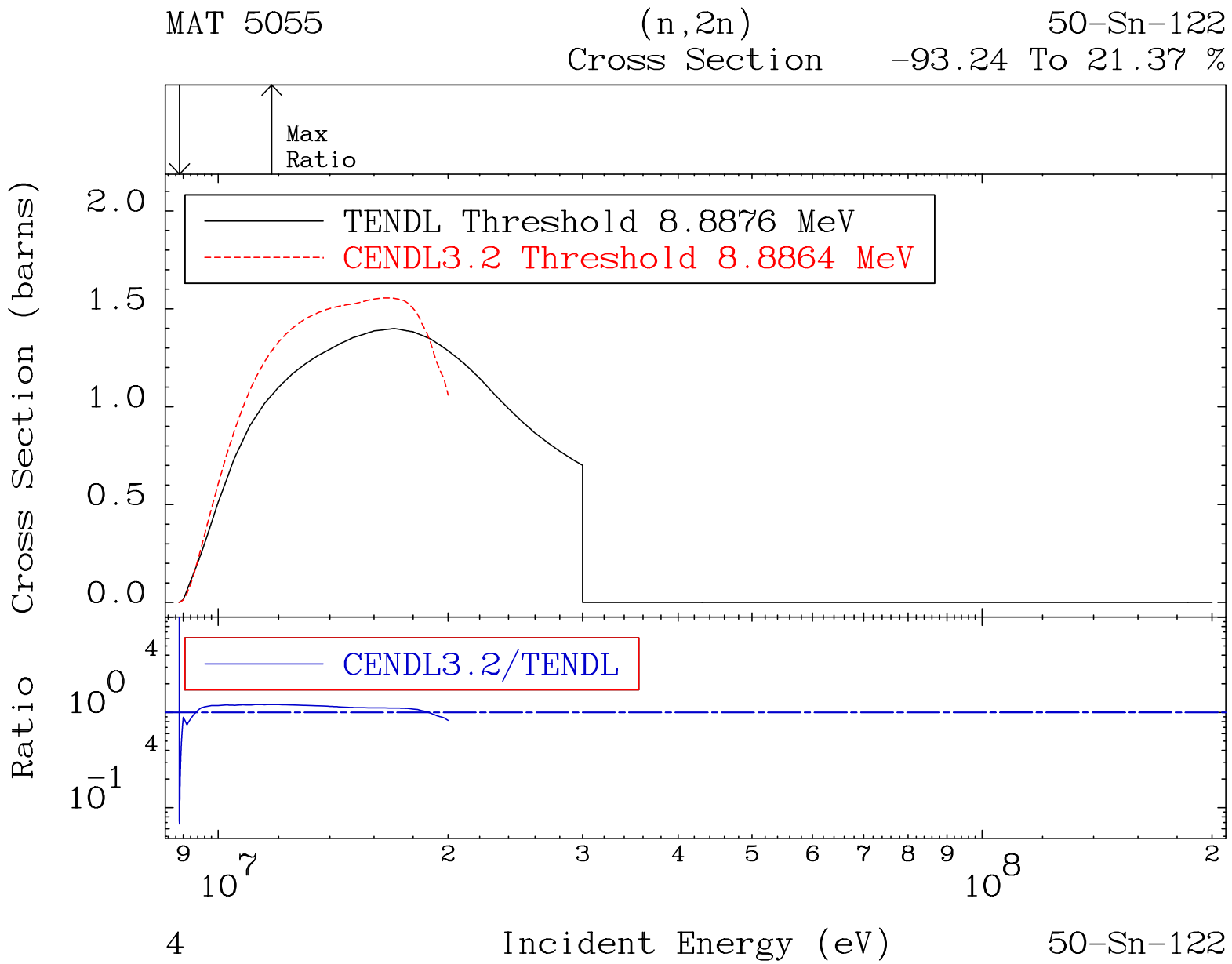
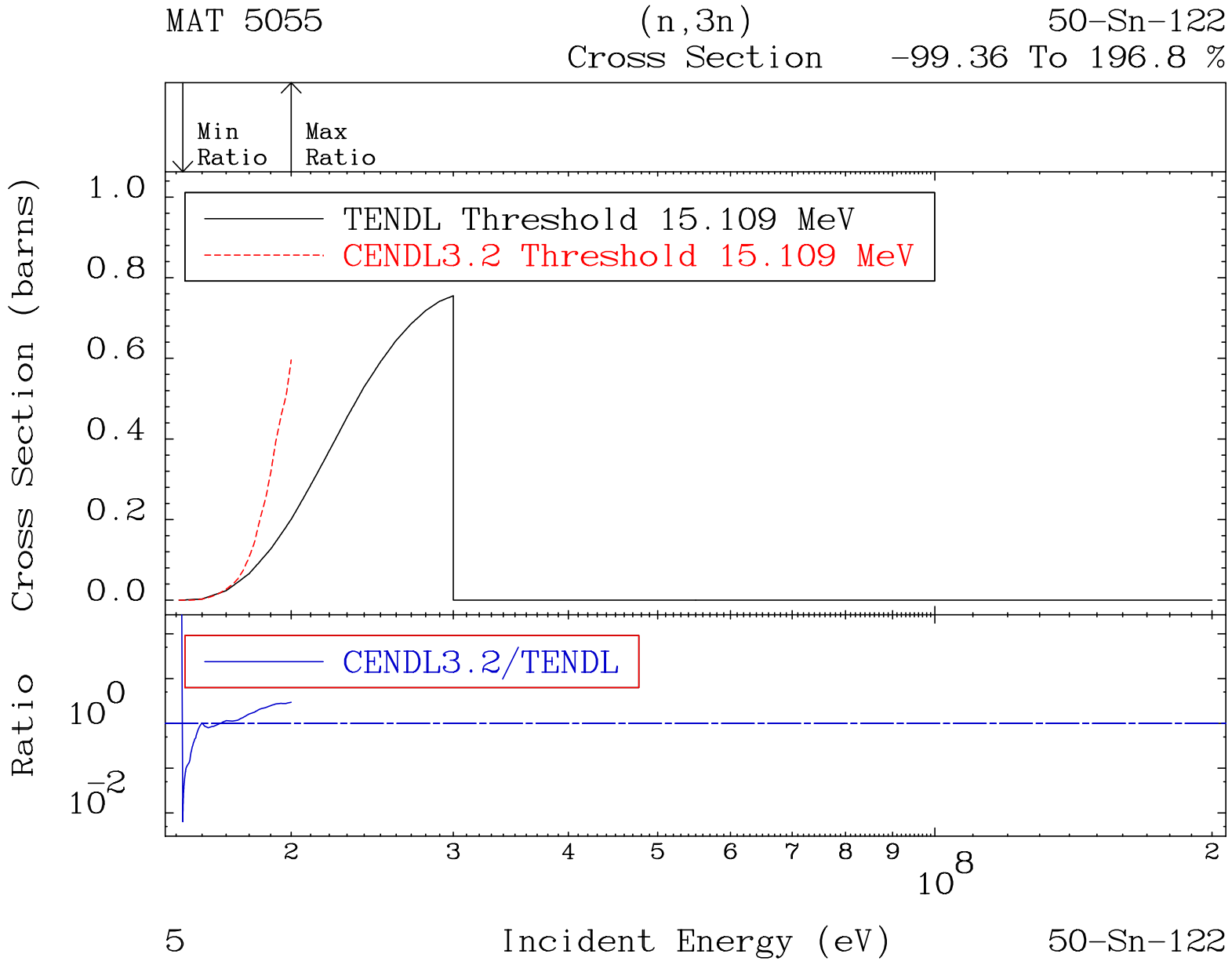
Press Mouse Button to Start

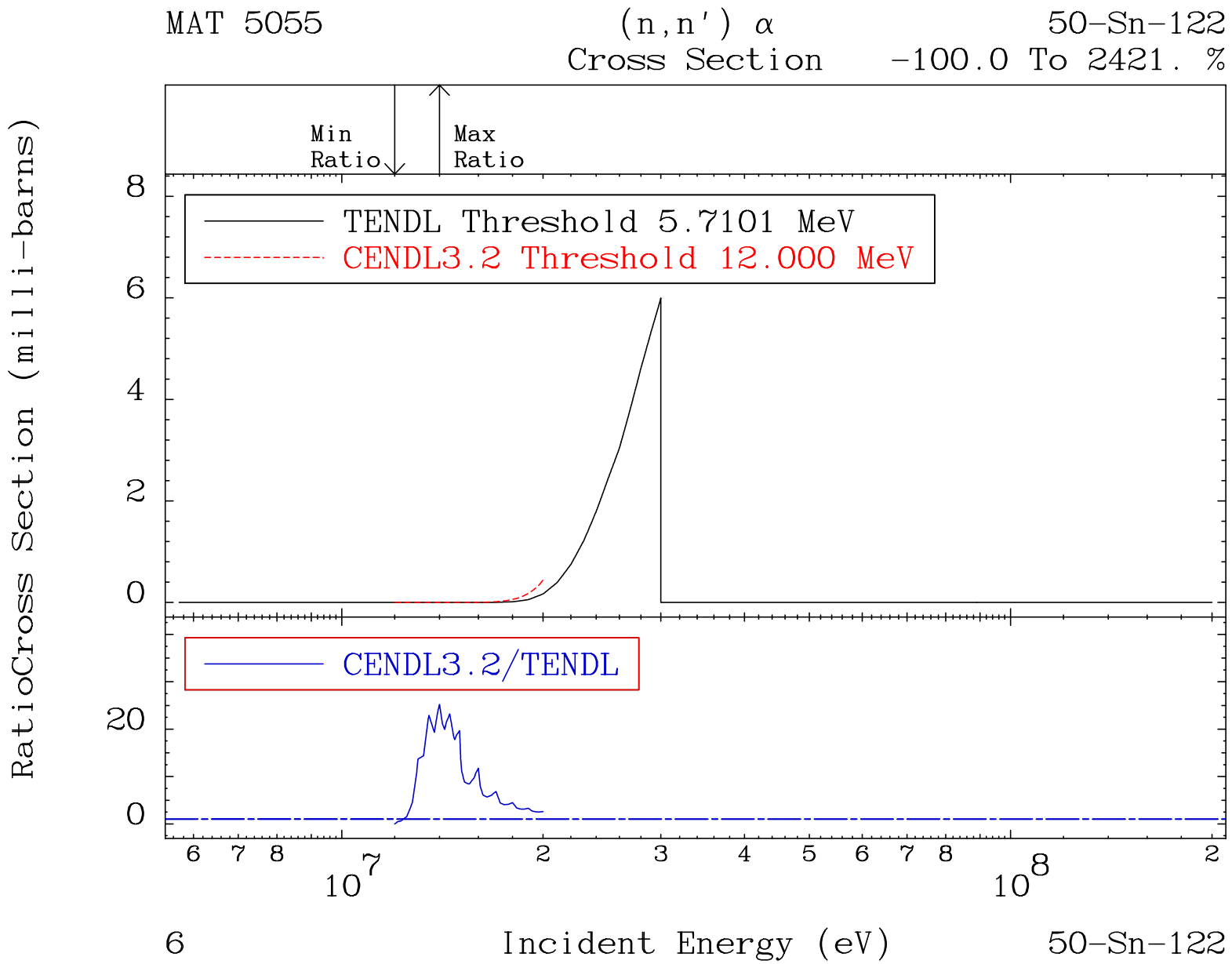

MAT 5055
Total
Cross Section
50-Sn-122
-99.59 To 9999. %
Max
Ratio
Min
Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
1
50-Sn-122

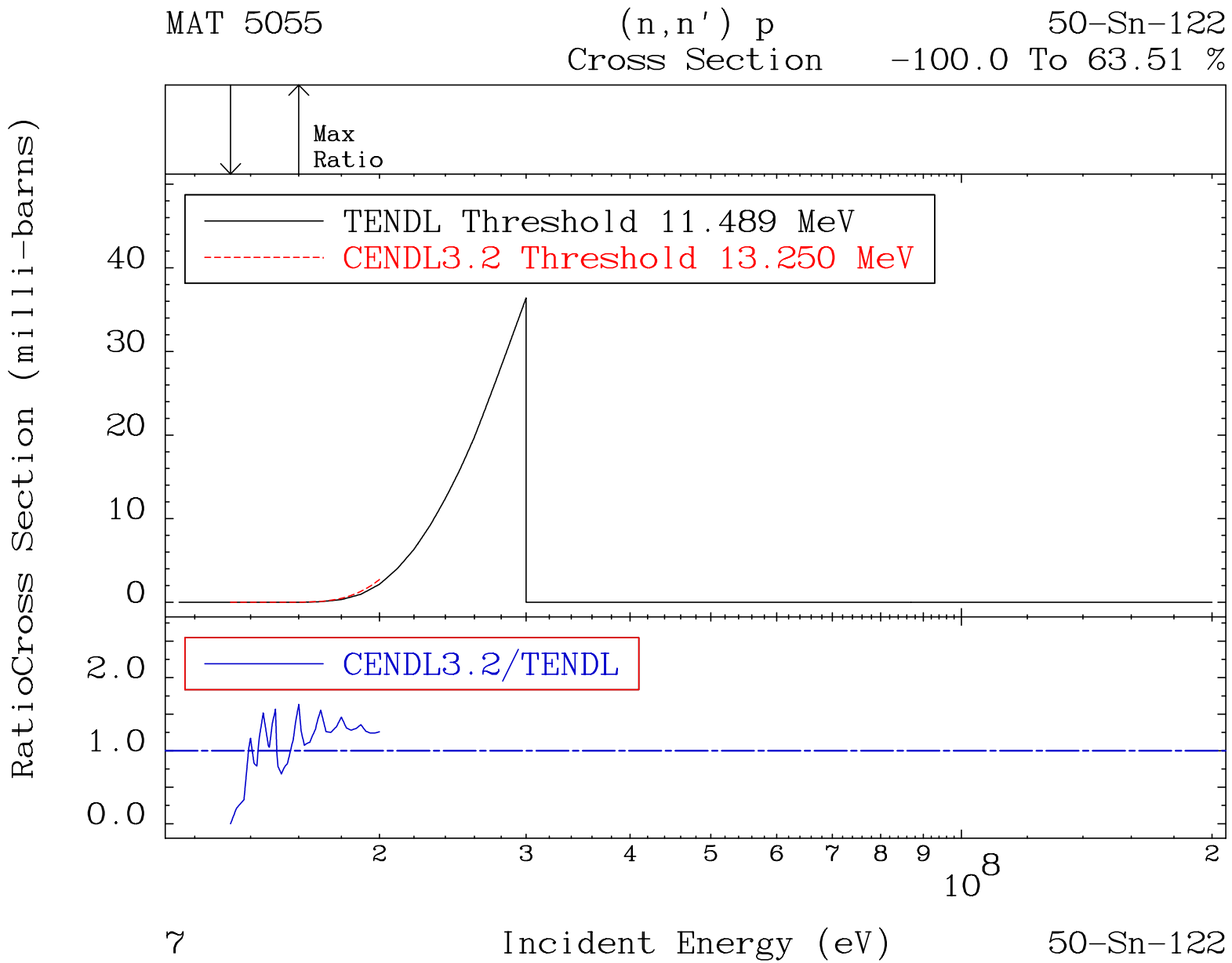

MAT 5055
Elastic
Cross Section
50-Sn-122
-99.85 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
50-Sn-122

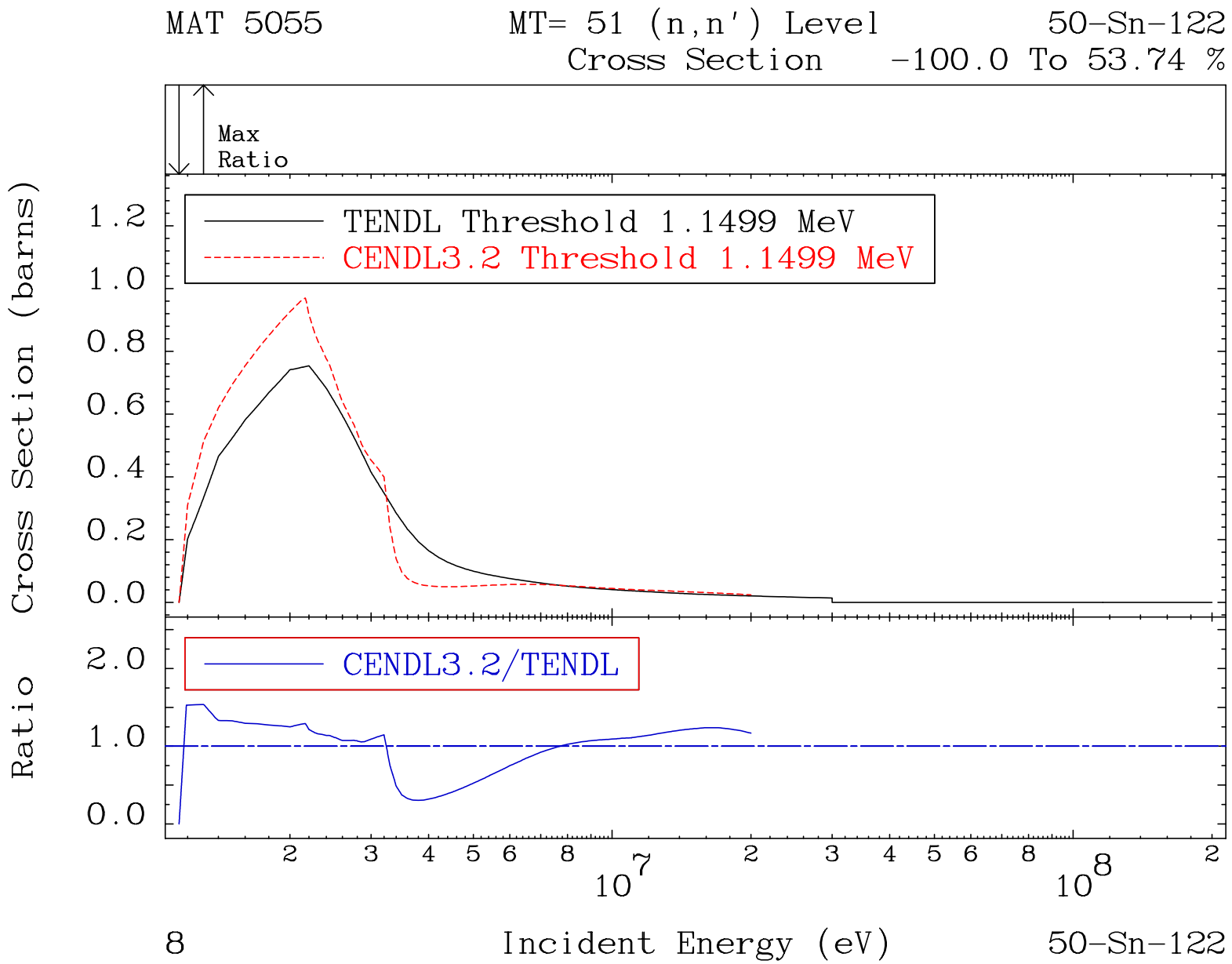

MAT 5055
Inelastic
Cross Section
50-Sn-122
-100.0 To 53.74 %
Max
Ratio
TENDL Threshold 1.1499 MeV
CENDL3.2 Threshold 1.1499 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
Incident Energy (eV)
3
50-Sn-122

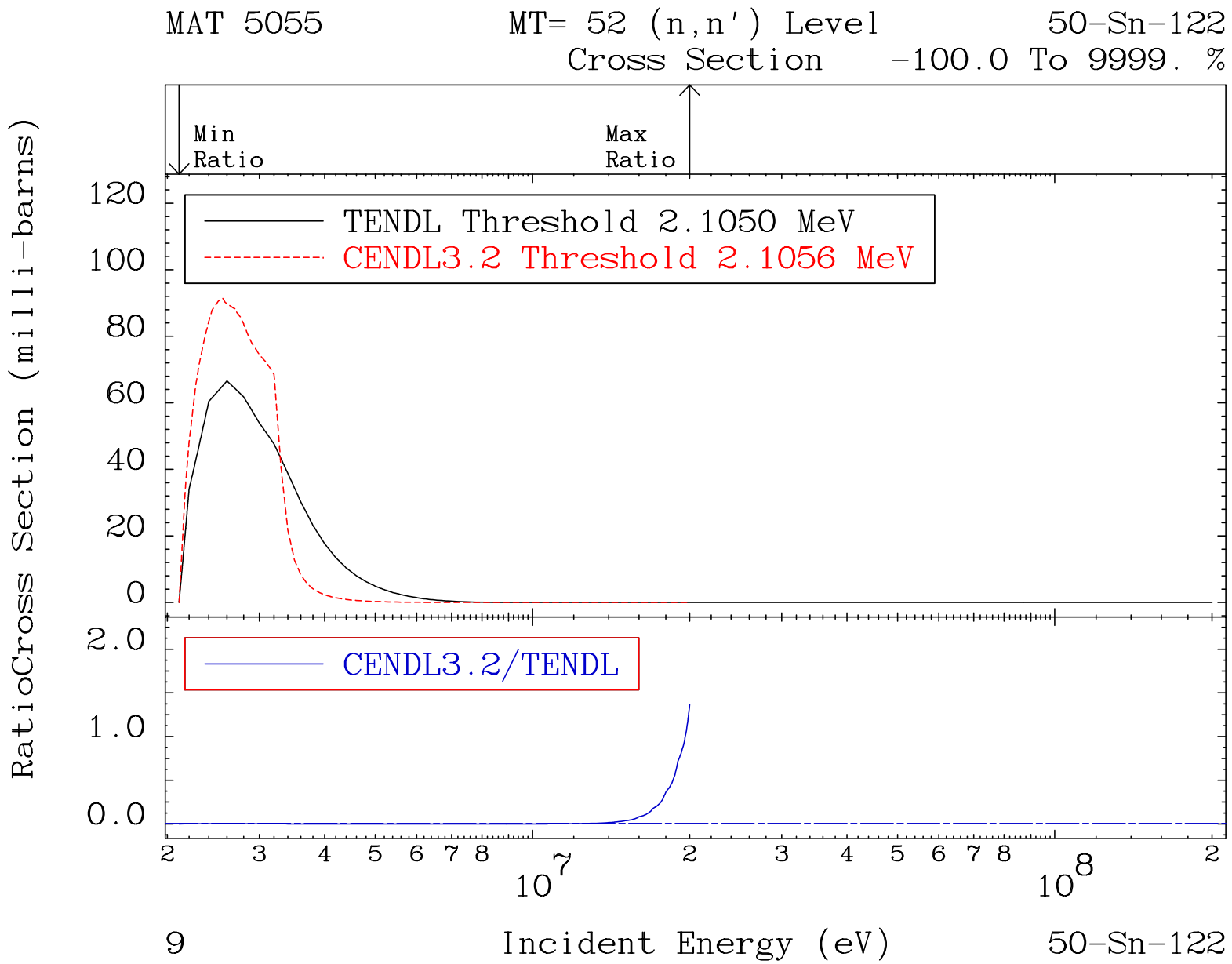

MAT 5055
(n,2n)
Cross Section
50-Sn-122
-93.24 To 21.37 %
Max
Ratio
TENDL Threshold 8.8876 MeV
CENDL3.2 Threshold 8.8864 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50-Sn-122
4

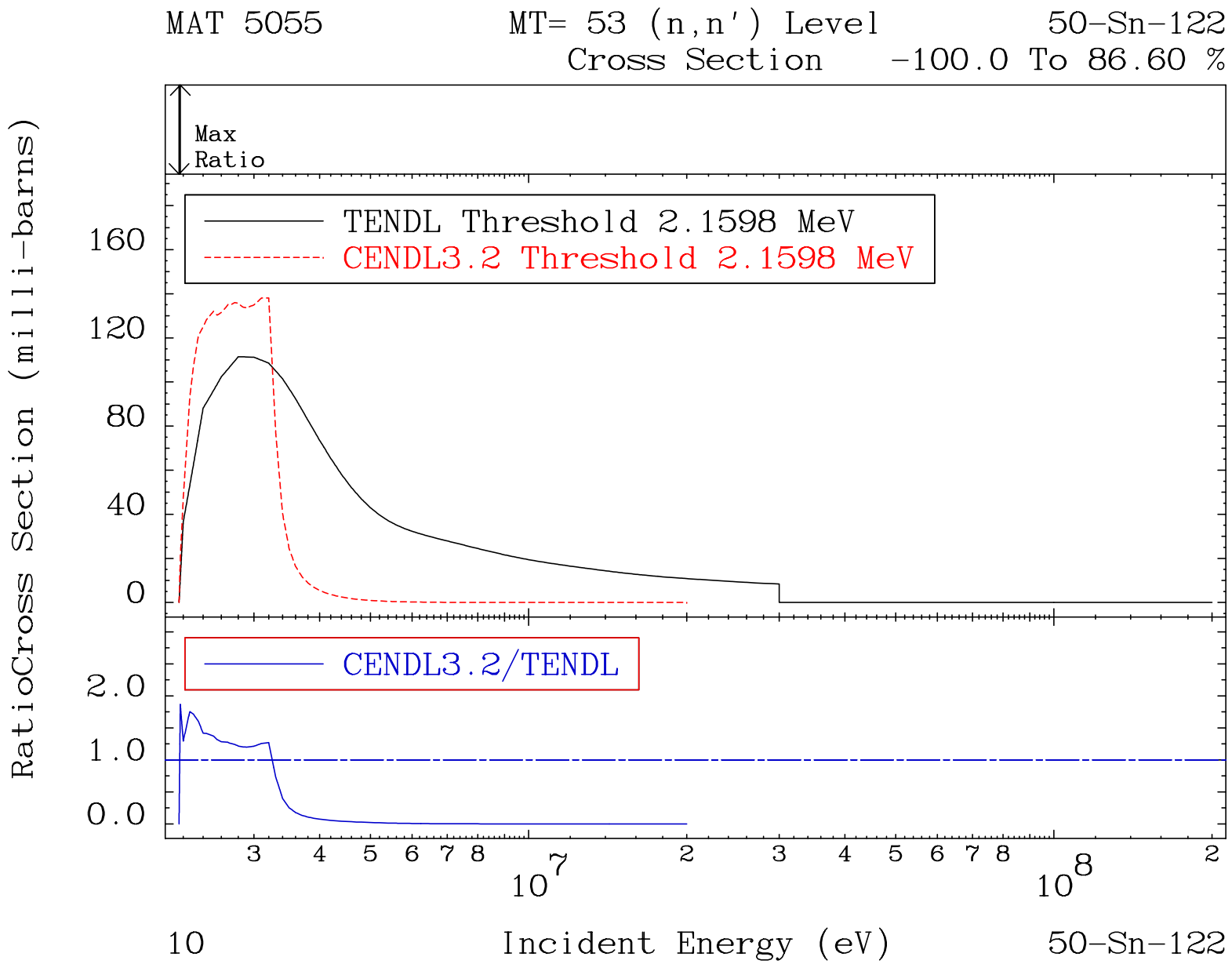

MAT 5055
(n,3n)
Cross Section
50-Sn-122
-99.36 To 196.8 %
Min Ratio
Max Ratio
TENDL Threshold 15.109 MeV
CENDL3.2 Threshold 15.109 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
50-Sn-122

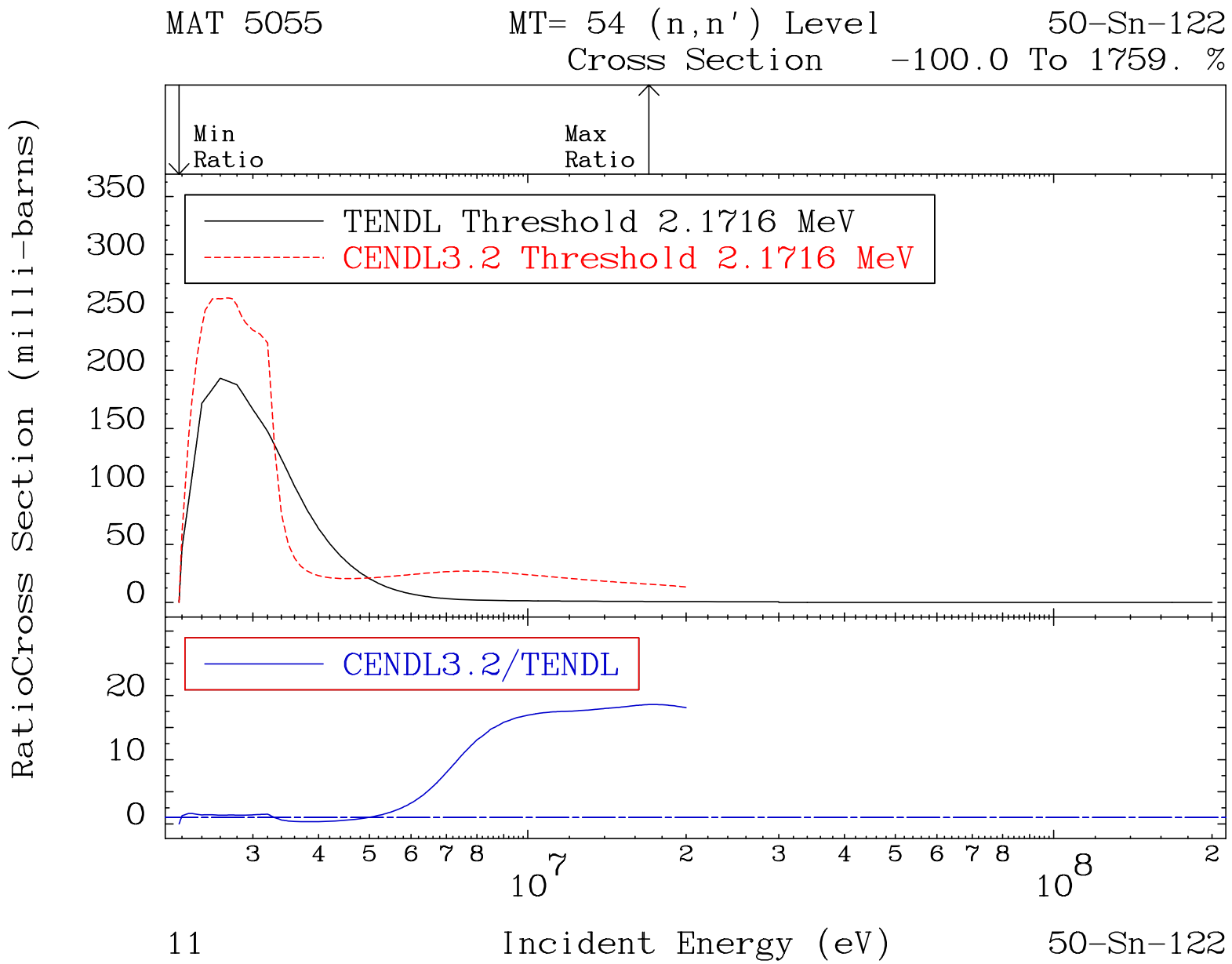

MAT 5055
(n,n') α
Cross Section
50-Sn-122
-100.0 To 2421. %
Min Ratio
Max Ratio
TENDL Threshold 5.7101 MeV
CENDL3.2 Threshold 12.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
50-Sn-122
6

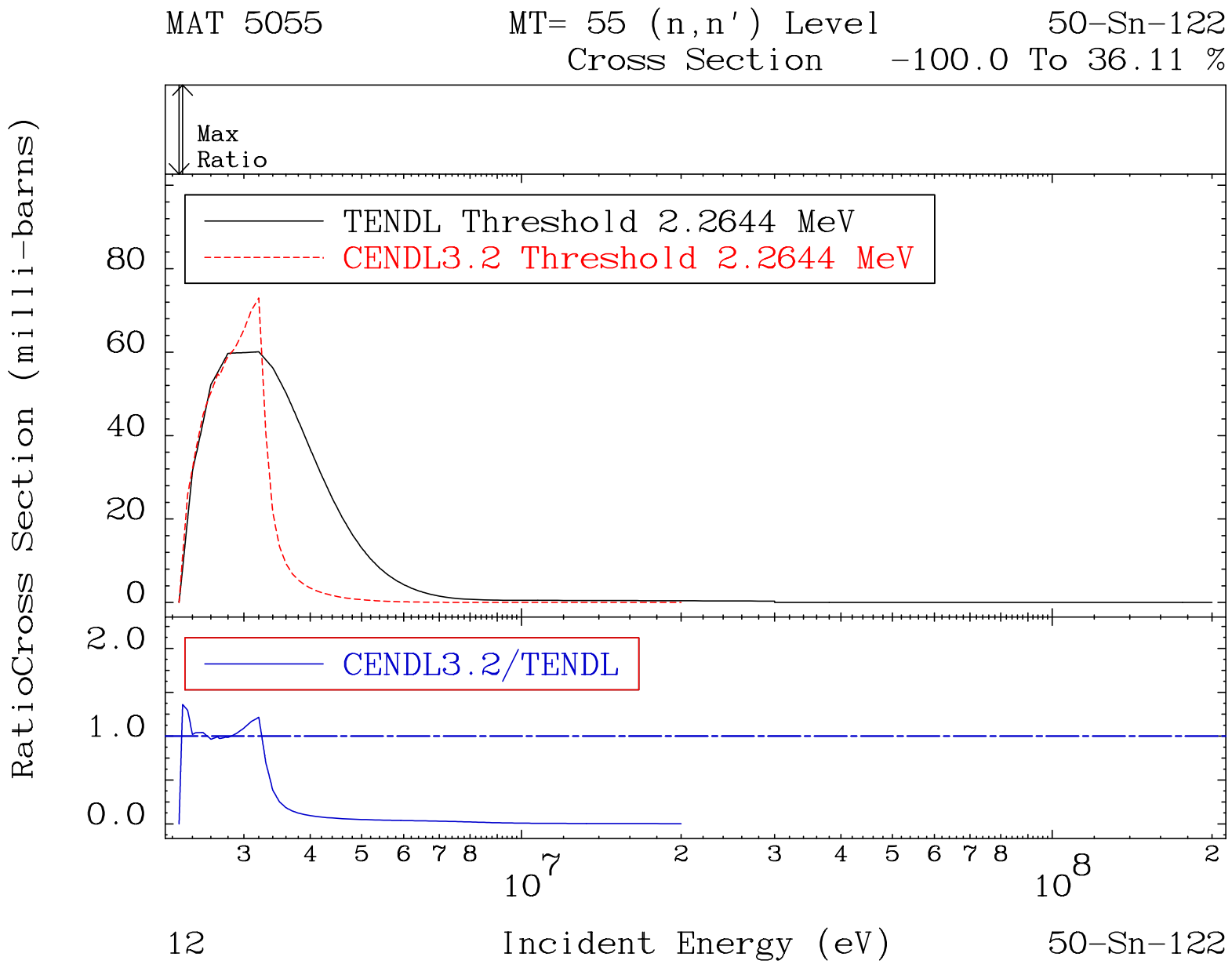

MAT 5055
(n,n') p
Cross Section
50-Sn-122
-100.0 To 63.51 %
Max
Ratio
TENDL Threshold 11.489 MeV
CENDL3.2 Threshold 13.250 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
50-Sn-122

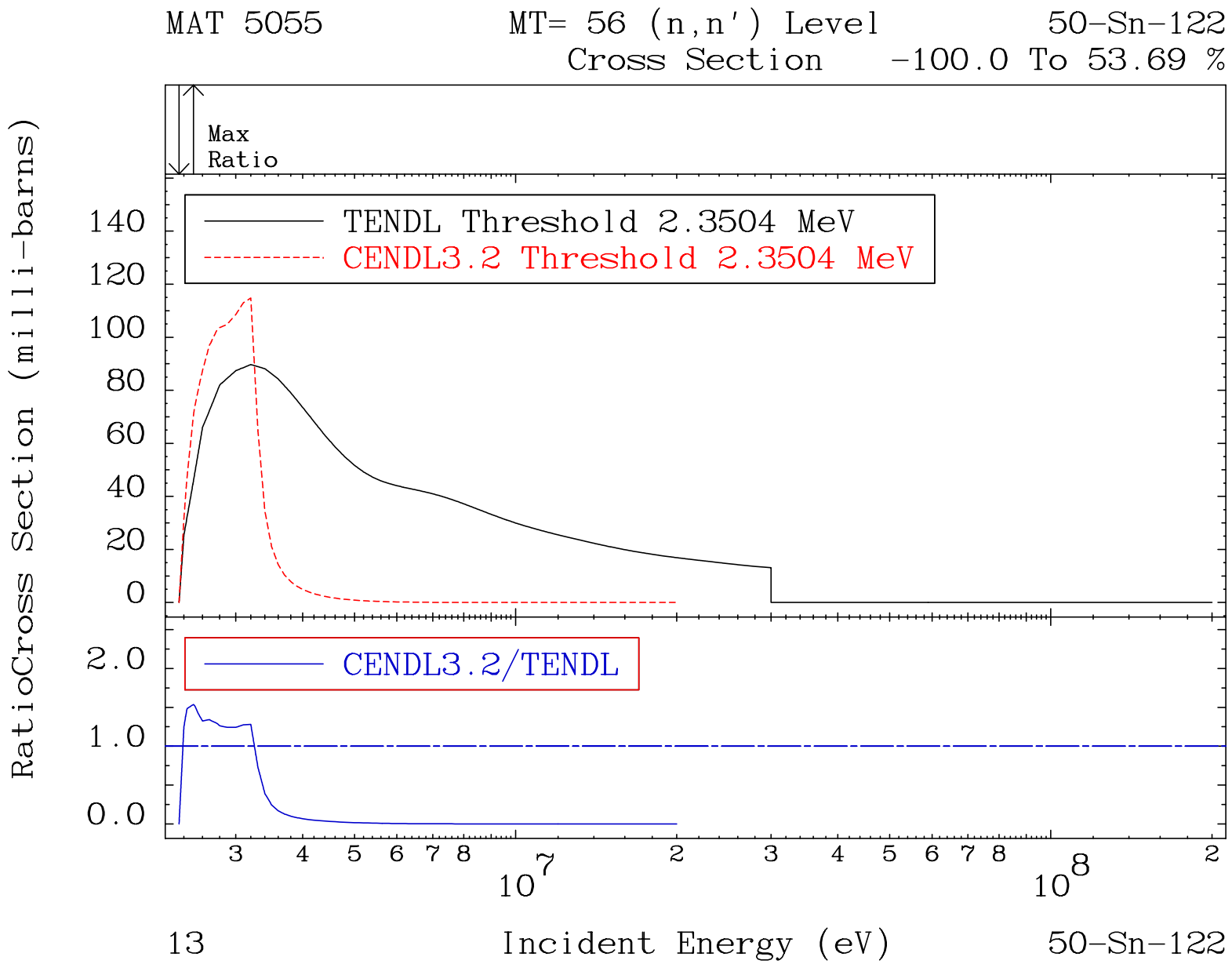

MAT 5055
MT= 51 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 53.74 %
Max
Ratio
TENDL Threshold 1.1499 MeV
CENDL3.2 Threshold 1.1499 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
8
50-Sn-122

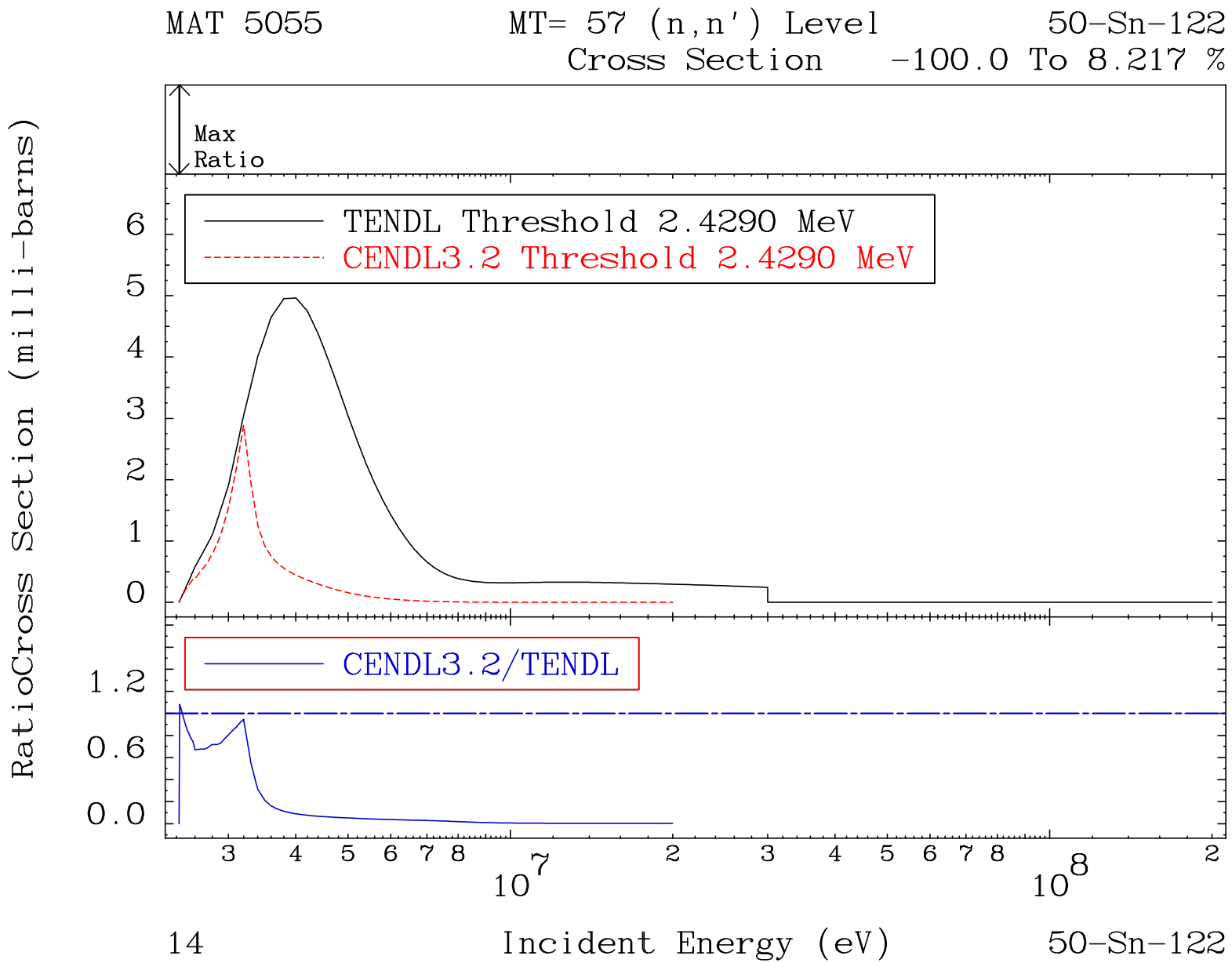

MAT 5055
MT= 52 (n,n') Level
50-Sn-122
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.1050 MeV
CENDL3.2 Threshold 2.1056 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
50-Sn-122

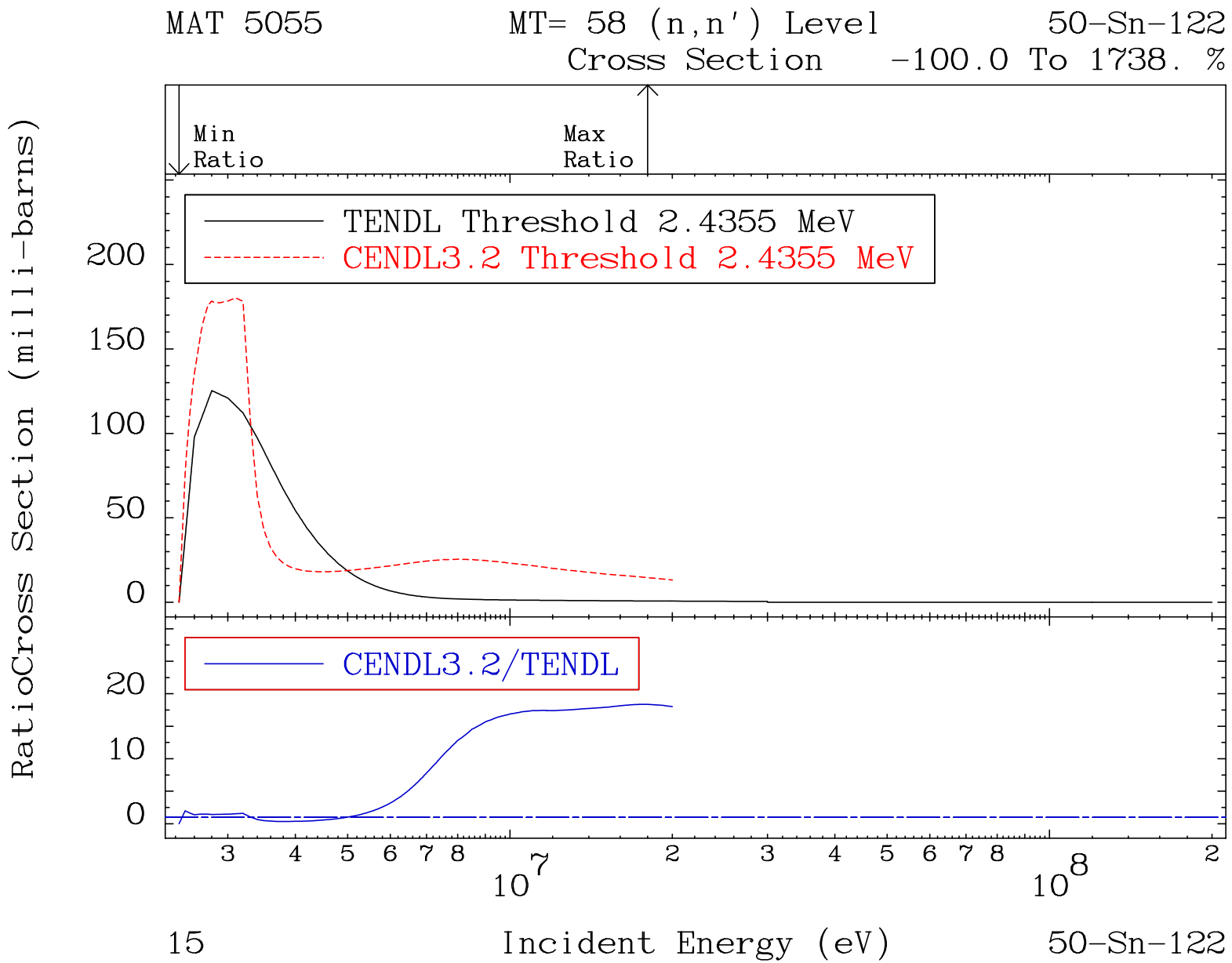

MAT 5055
MT= 53 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 86.60 %
Max
Ratio
TENDL Threshold 2.1598 MeV
CENDL3.2 Threshold 2.1598 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
50-Sn-122

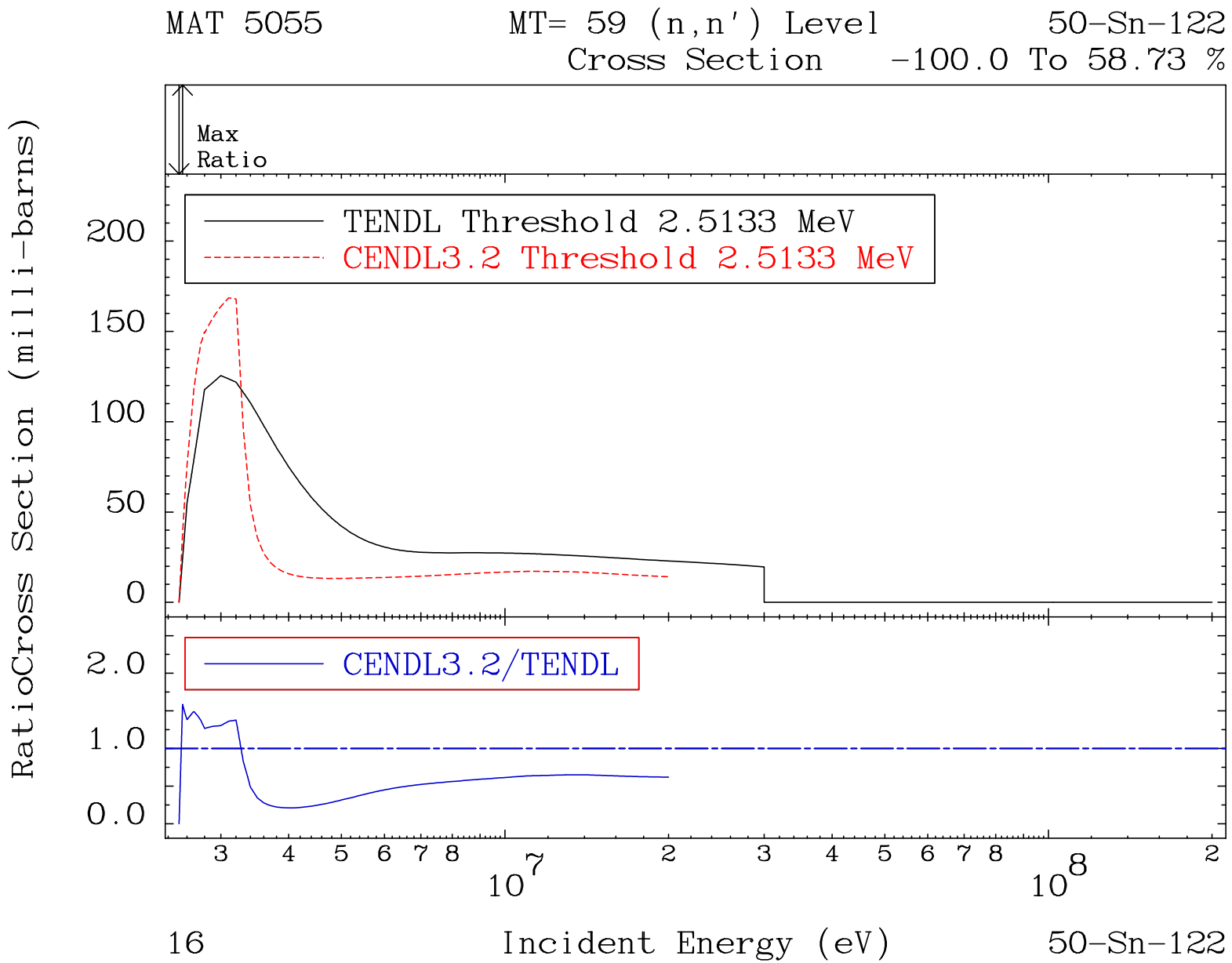

MAT 5055
MT= 54 (n,n') Level
50-Sn-122
Cross Section -100.0 To 1759. %
Min Ratio
Max Ratio
TENDL Threshold 2.1716 MeV
CENDL3.2 Threshold 2.1716 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
20
10
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
11
Incident Energy (eV)
50-Sn-122

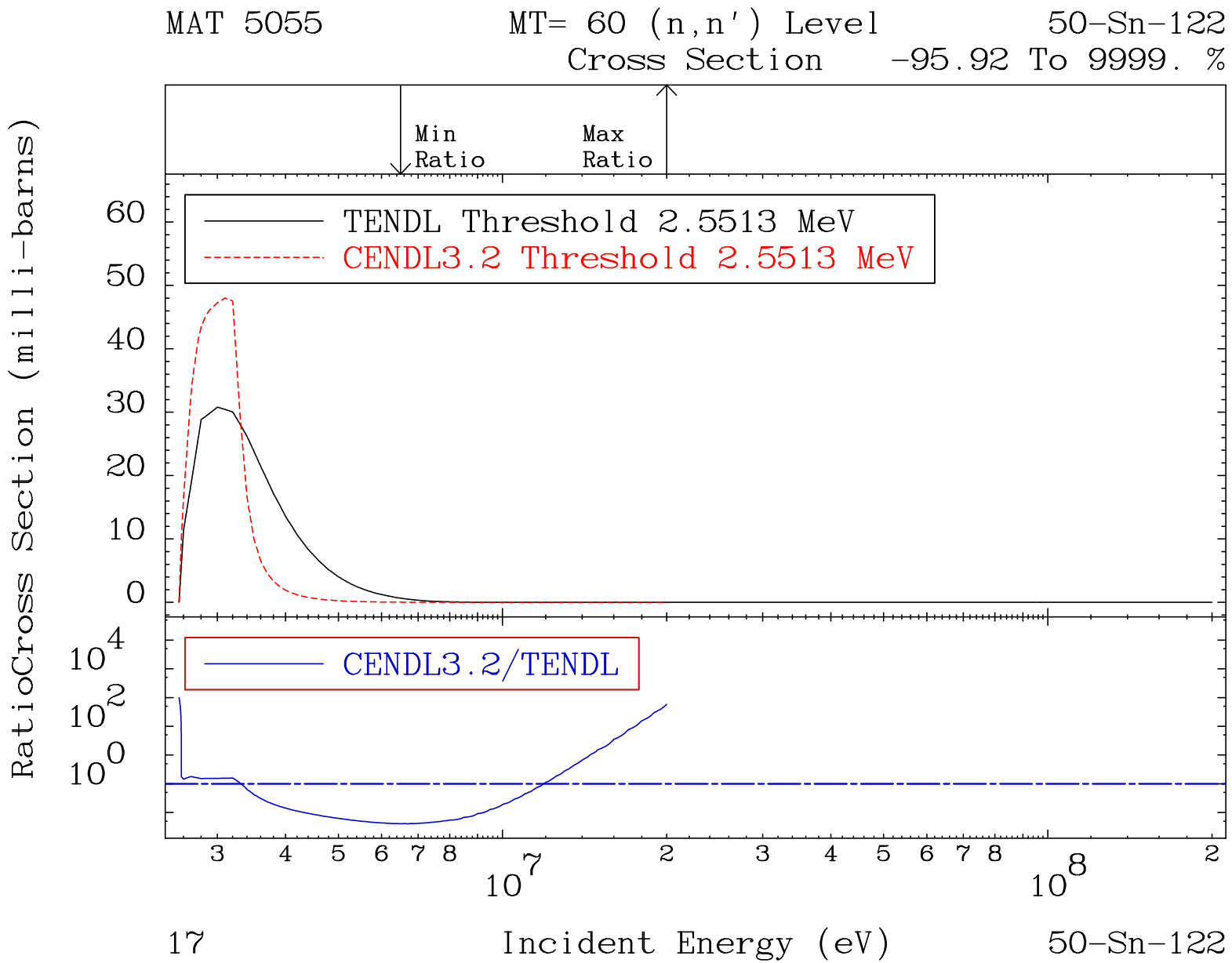

MAT 5055
MT= 55 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 36.11 %
Max
Ratio
TENDL Threshold 2.2644 MeV
CENDL3.2 Threshold 2.2644 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
50-Sn-122

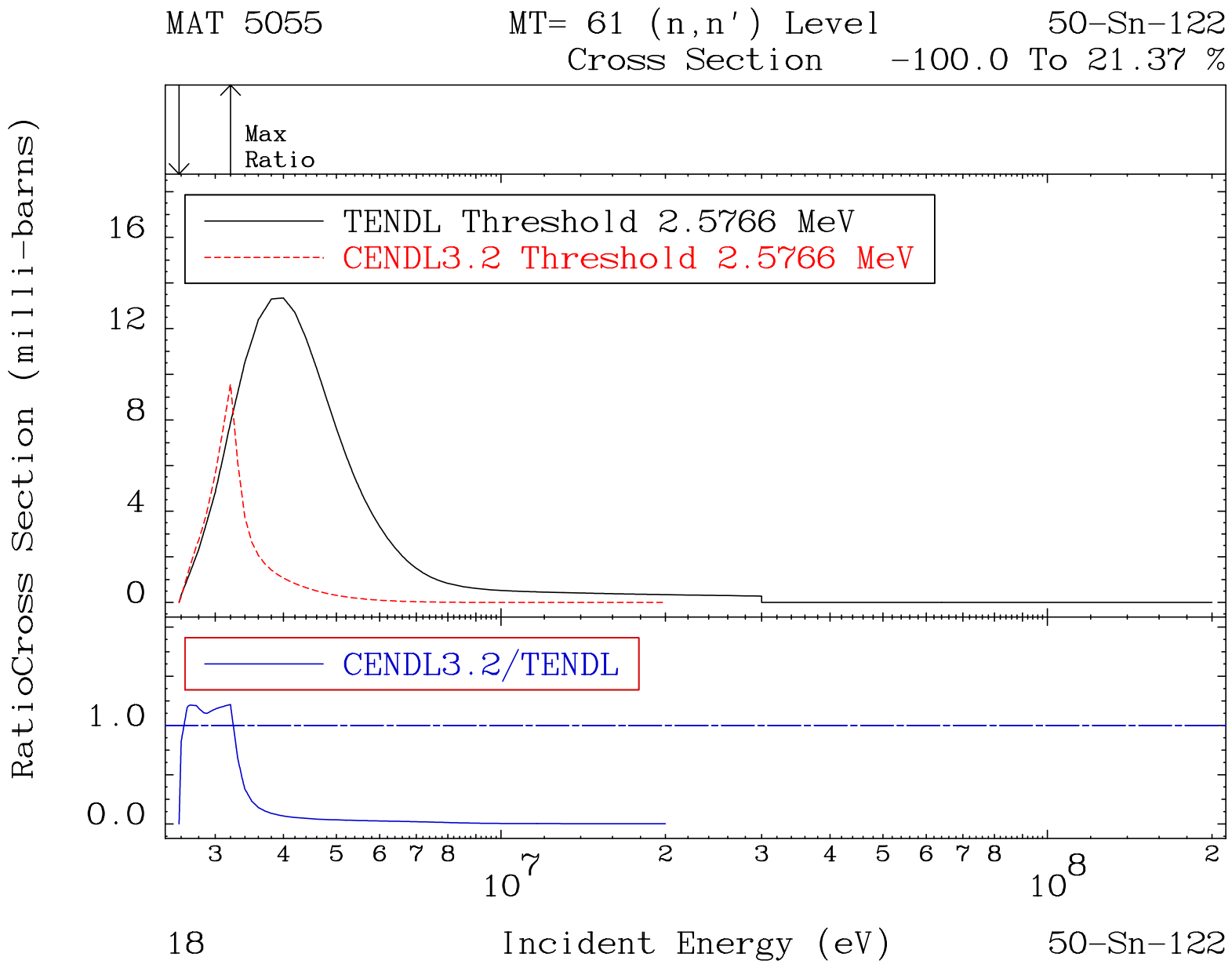

MAT 5055
MT= 56 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 53.69 %
Max
Ratio
TENDL Threshold 2.3504 MeV
CENDL3.2 Threshold 2.3504 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
50-Sn-122

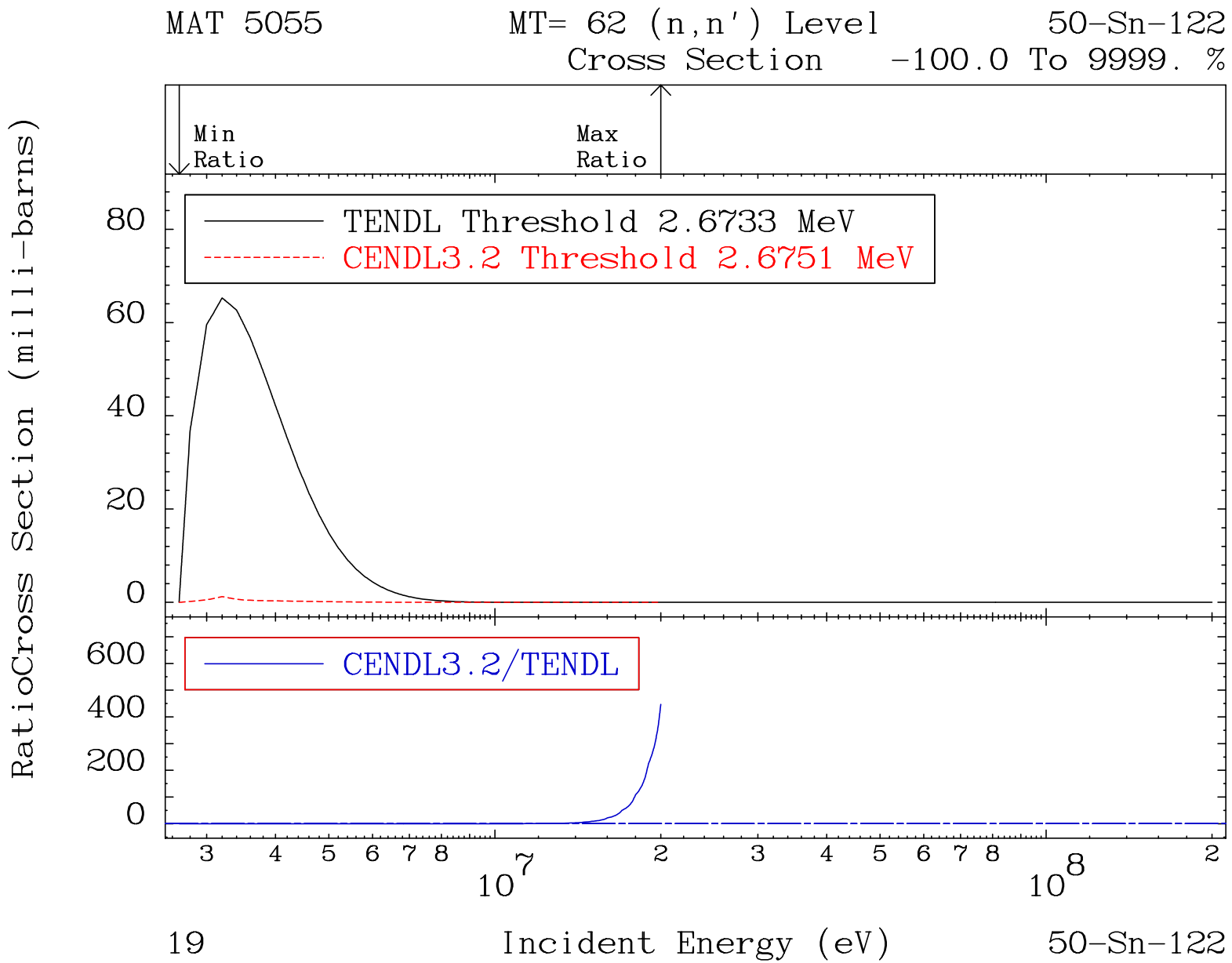

MAT 5055
MT= 57 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 8.217 %
Max
Ratio
TENDL Threshold 2.4290 MeV
CENDL3.2 Threshold 2.4290 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
14
50-Sn-122

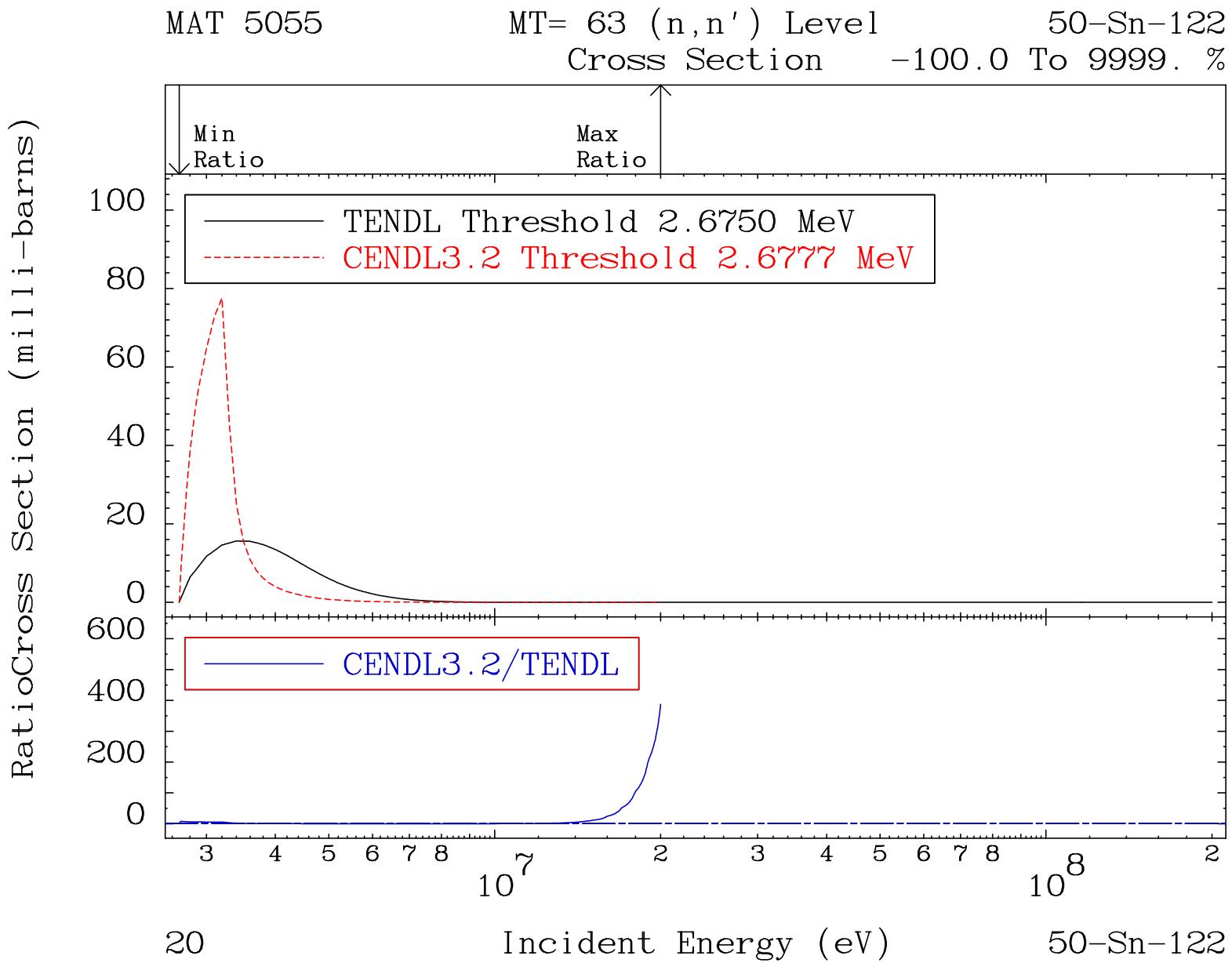

MAT 5055
MT= 58 (n,n') Level
50-Sn-122
Cross Section -100.0 To 1738. %
Min Ratio
Max Ratio
TENDL Threshold 2.4355 MeV
CENDL3.2 Threshold 2.4355 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
20
10
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
15
Incident Energy (eV)
50-Sn-122

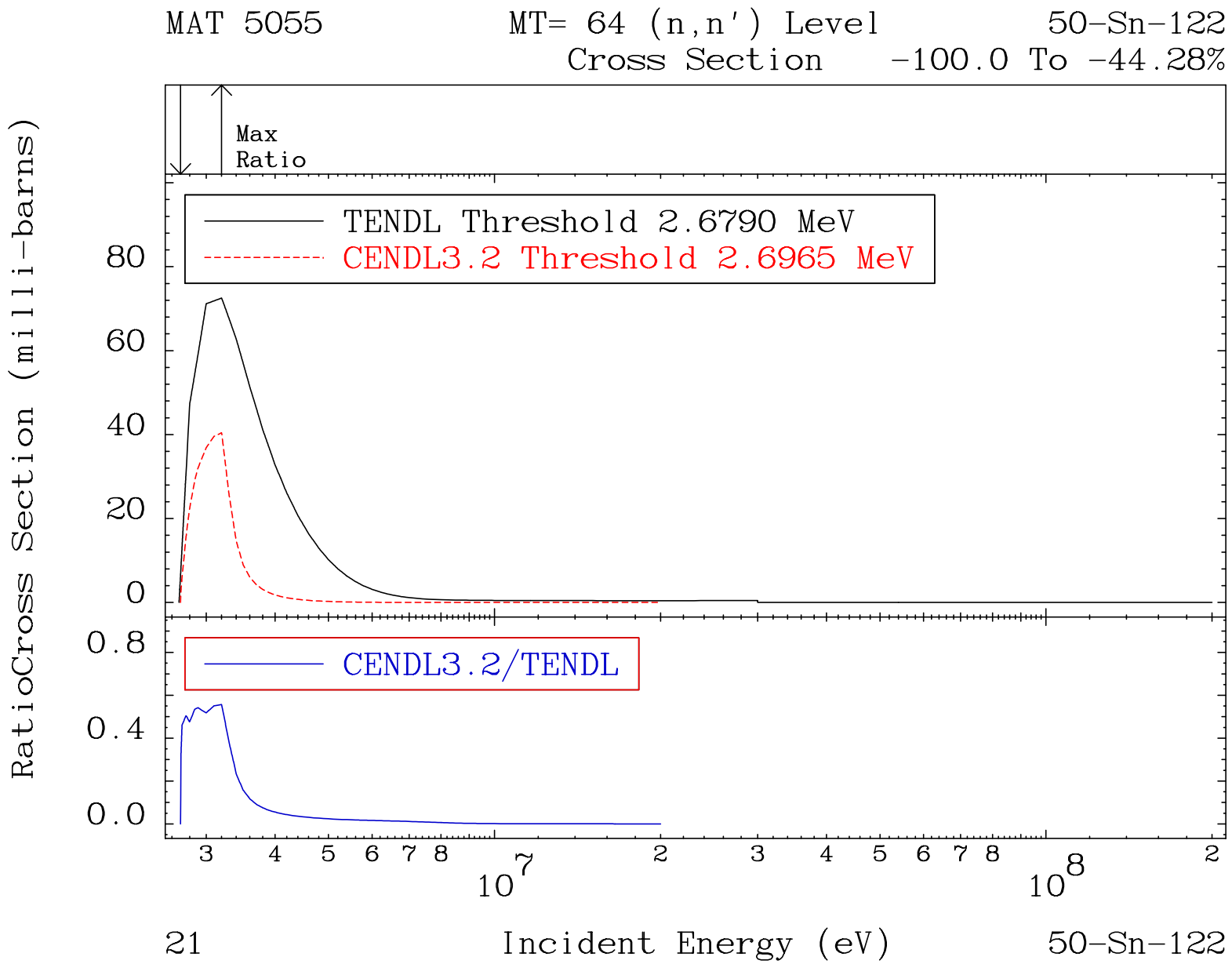

MAT 5055
MT= 59 (n,n') Level
Cross Section
50-Sn-122
-100.0 To 58.73 %
Max
Ratio
TENDL Threshold 2.5133 MeV
CENDL3.2 Threshold 2.5133 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
50-Sn-122

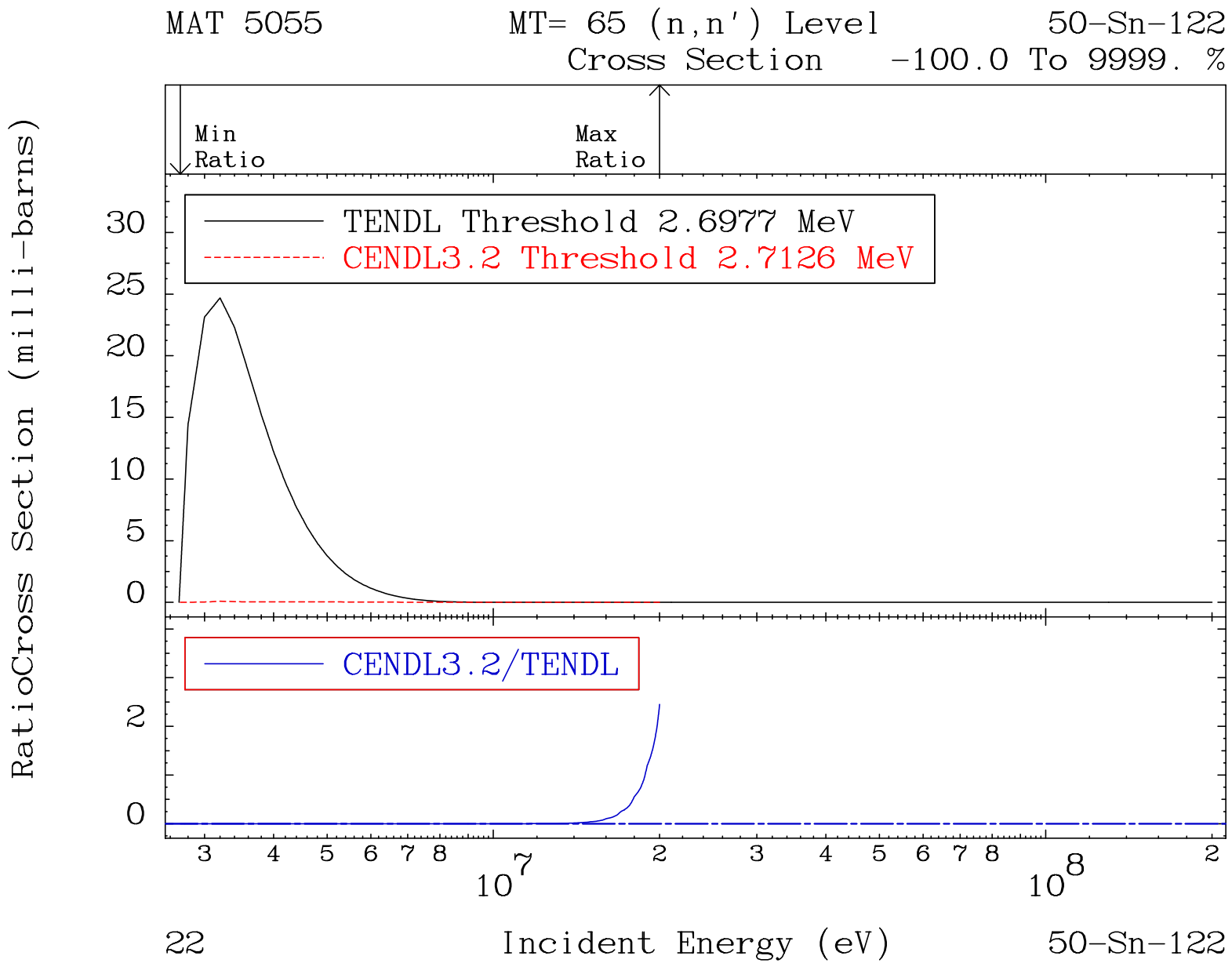

MAT 5055
MT= 60 (n,n') Level
50-Sn-122
Cross Section -95.92 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.5513 MeV
CENDL3.2 Threshold 2.5513 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17
50-Sn-122

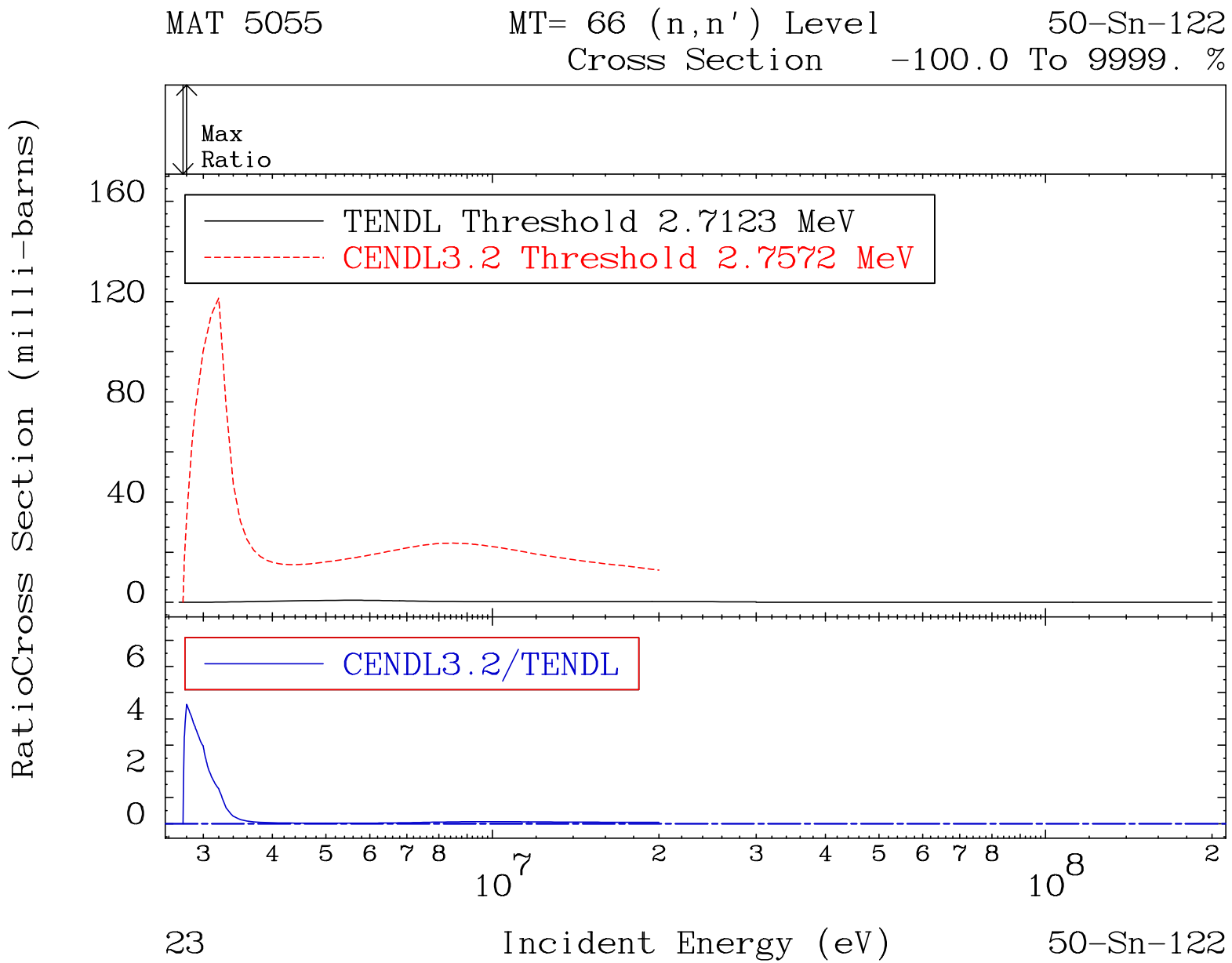

MAT 5055
MT= 61 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 21.37 %
Max
Ratio
TENDL Threshold 2.5766 MeV
CENDL3.2 Threshold 2.5766 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
50-Sn-122

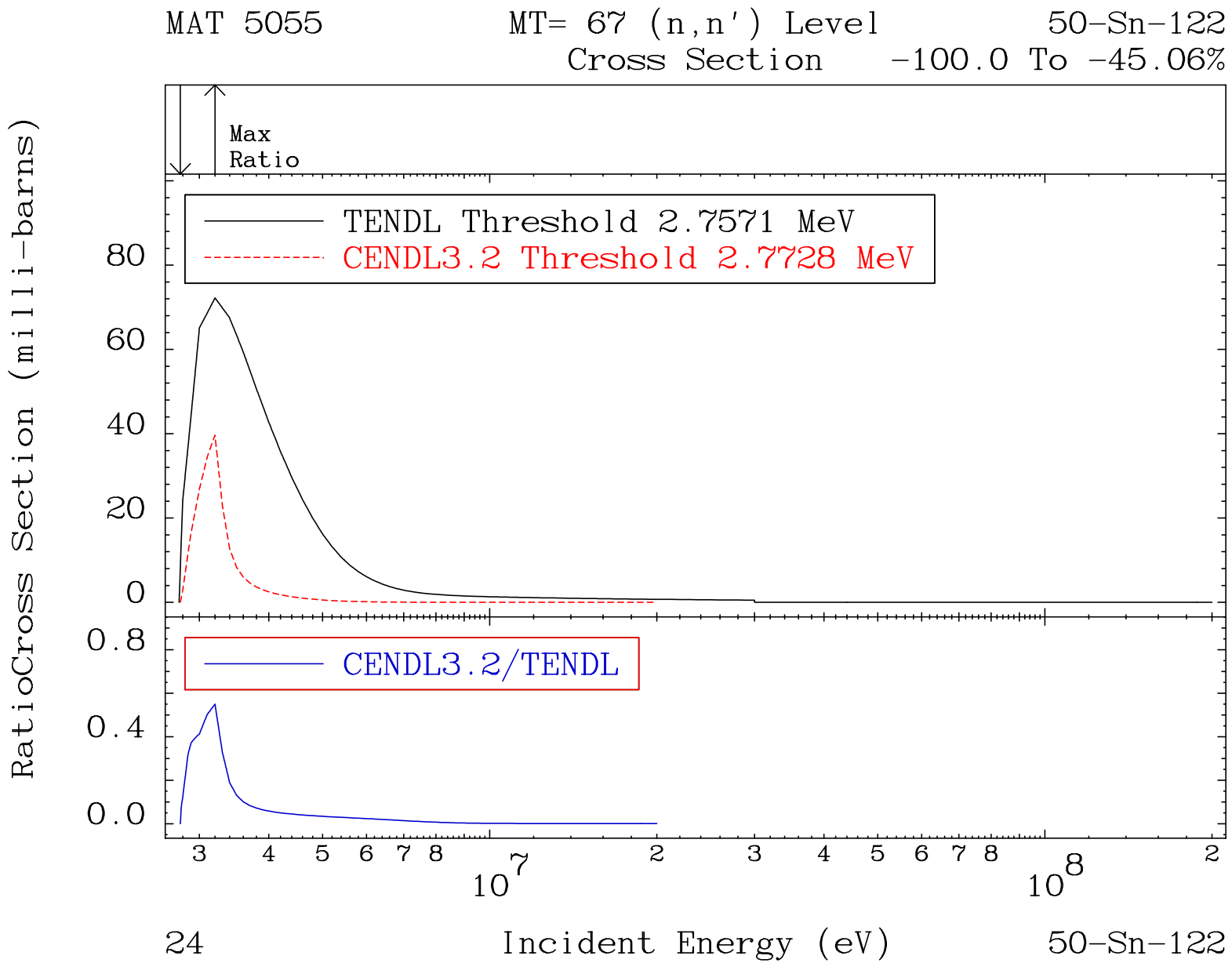

MAT 5055
MT= 62 (n,n') Level
50-Sn-122
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.6733 MeV
CENDL3.2 Threshold 2.6751 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
600
400
200
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
50-Sn-122

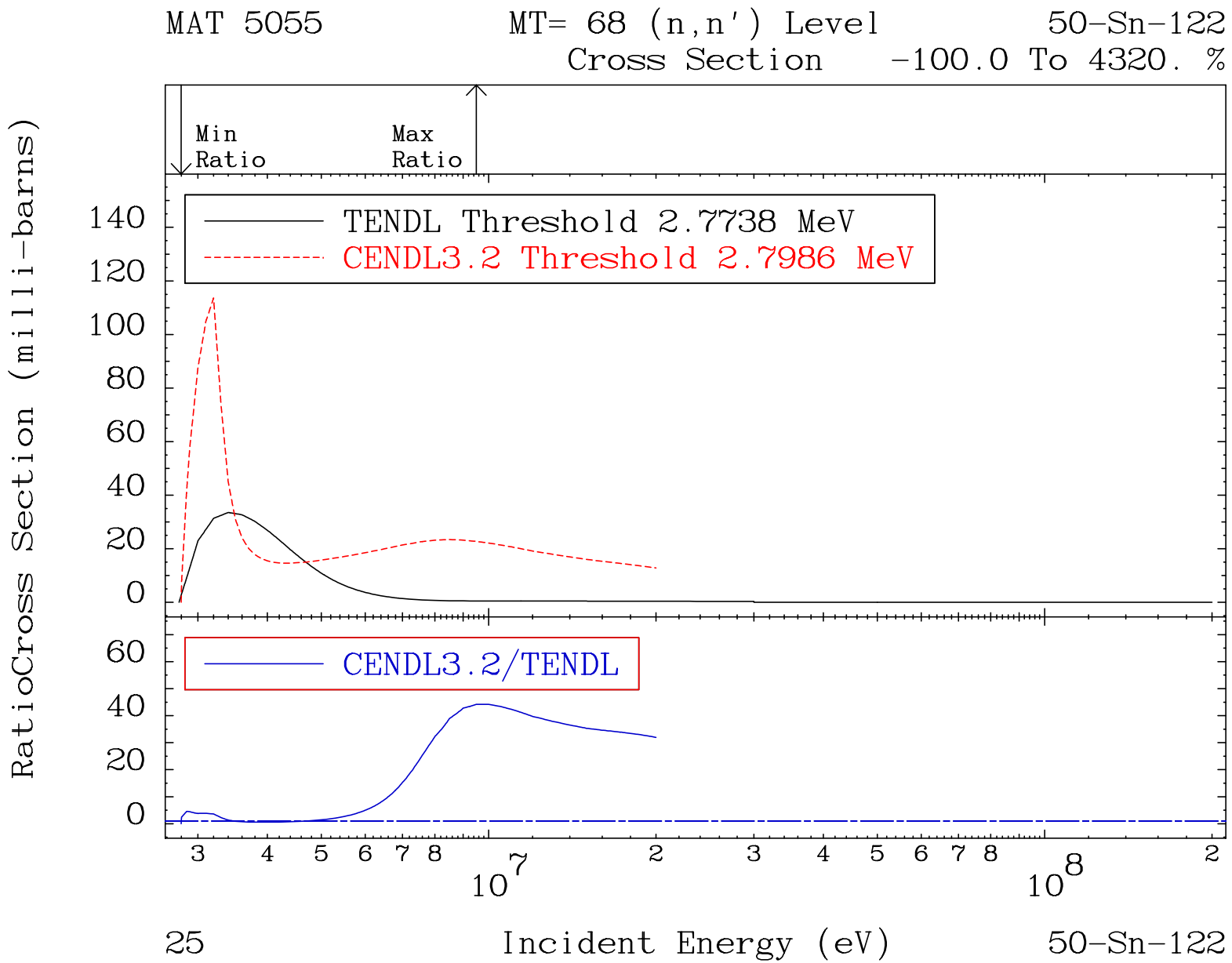

MAT 5055
MT= 63 (n,n') Level
50-Sn-122
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.6750 MeV
CENDL3.2 Threshold 2.6777 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
600
400
200
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
50-Sn-122

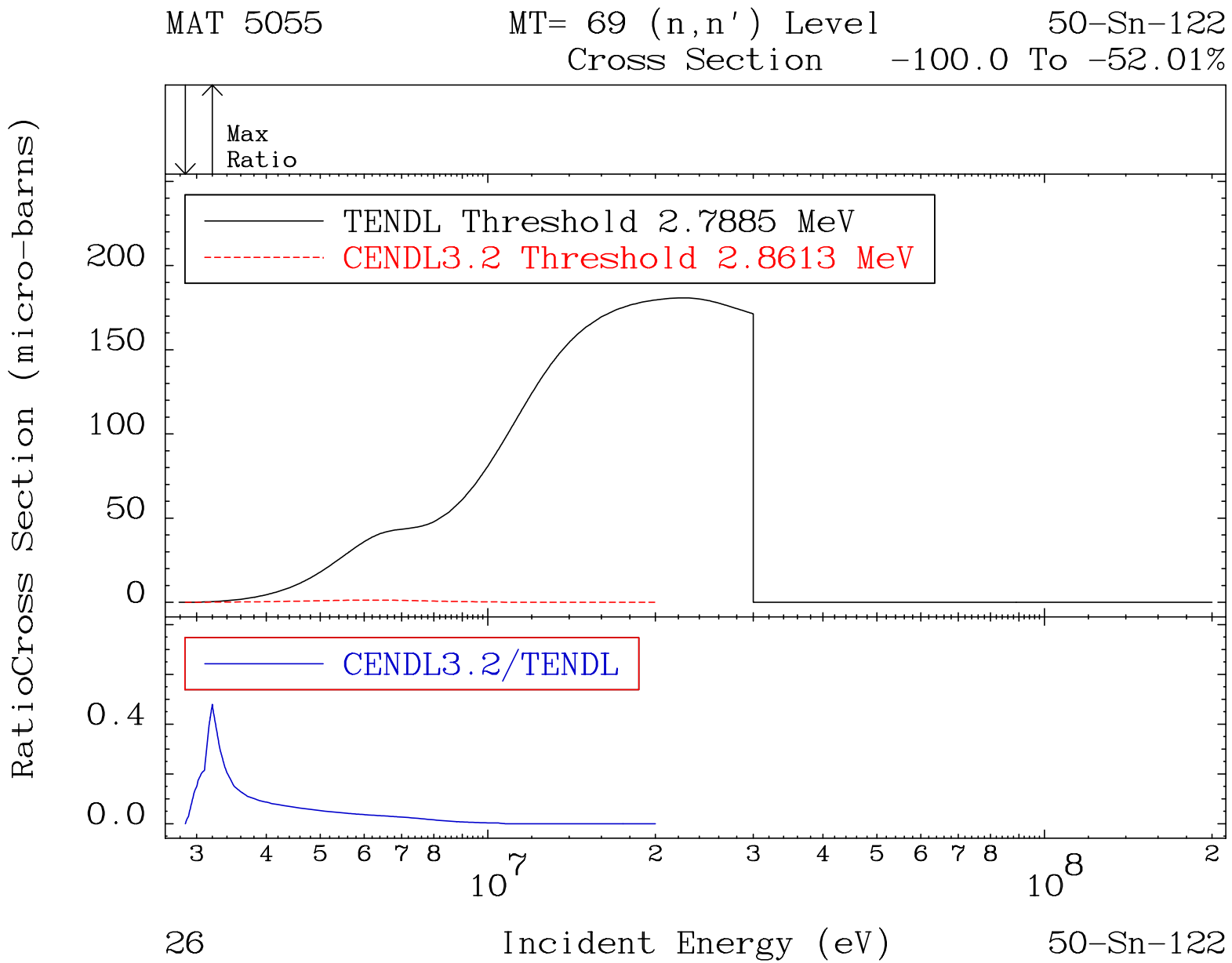

MAT 5055
MT= 64 (n,n') Level
50-Sn-122
Cross Section -100.0 To -44.28%
Max
Ratio
TENDL Threshold 2.6790 MeV
CENDL3.2 Threshold 2.6965 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
0.8
0.4
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
50-Sn-122

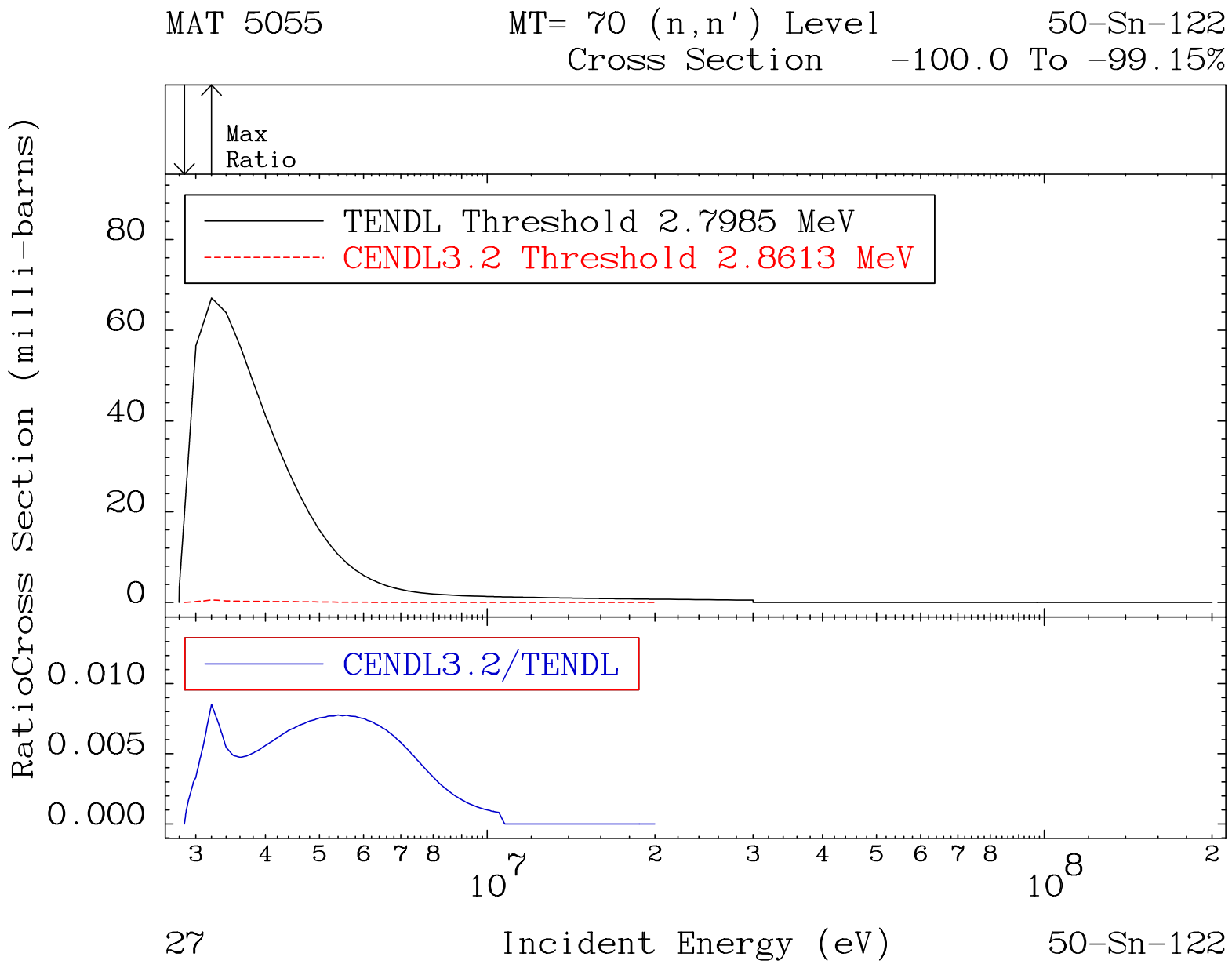

MAT 5055
MT= 65 (n,n') Level
50-Sn-122
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.6977 MeV
CENDL3.2 Threshold 2.7126 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
50-Sn-122

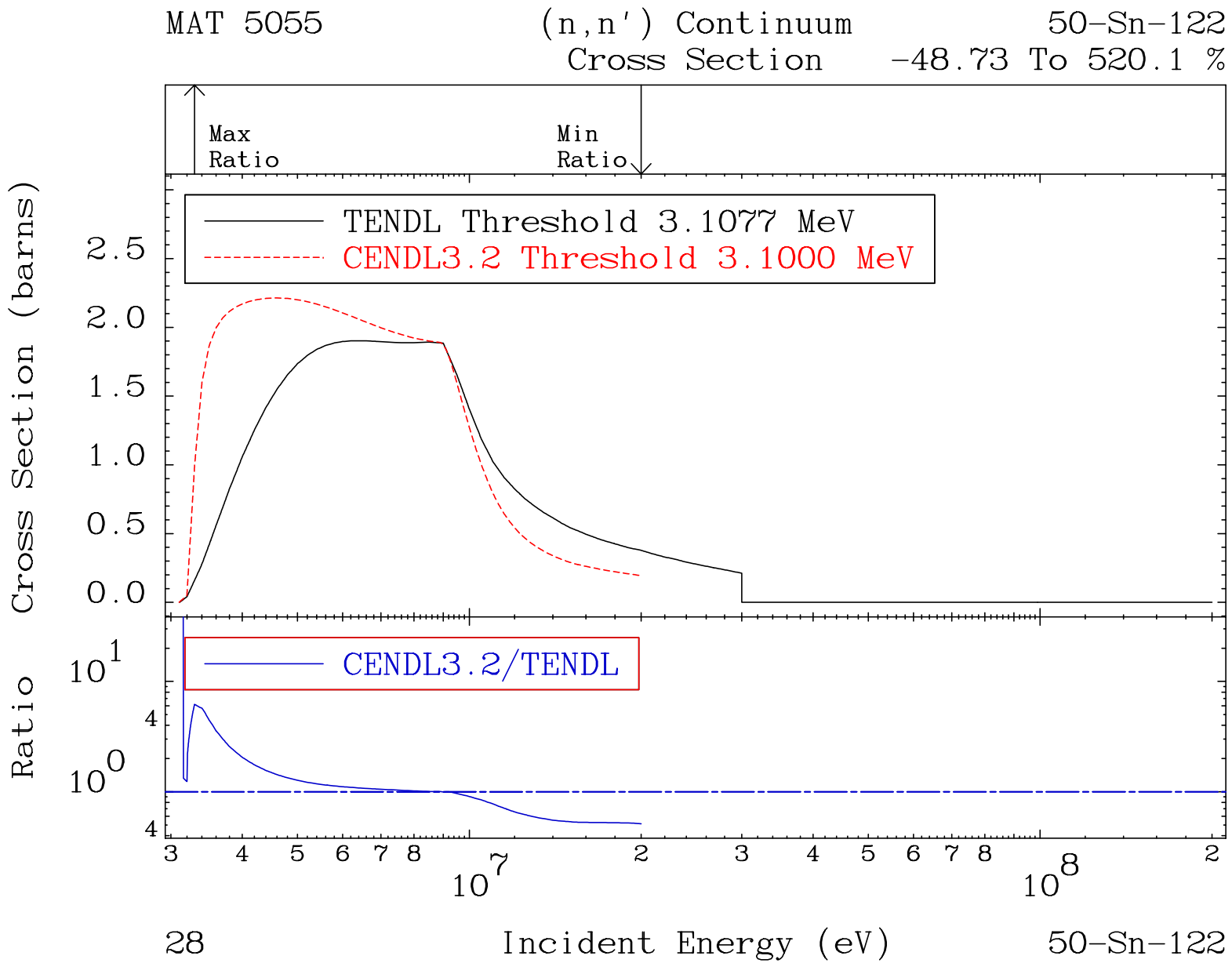

MAT 5055
MT= 66 (n,n') Level
50-Sn-122
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 2.7123 MeV
CENDL3.2 Threshold 2.7572 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
6
4
2
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
50-Sn-122

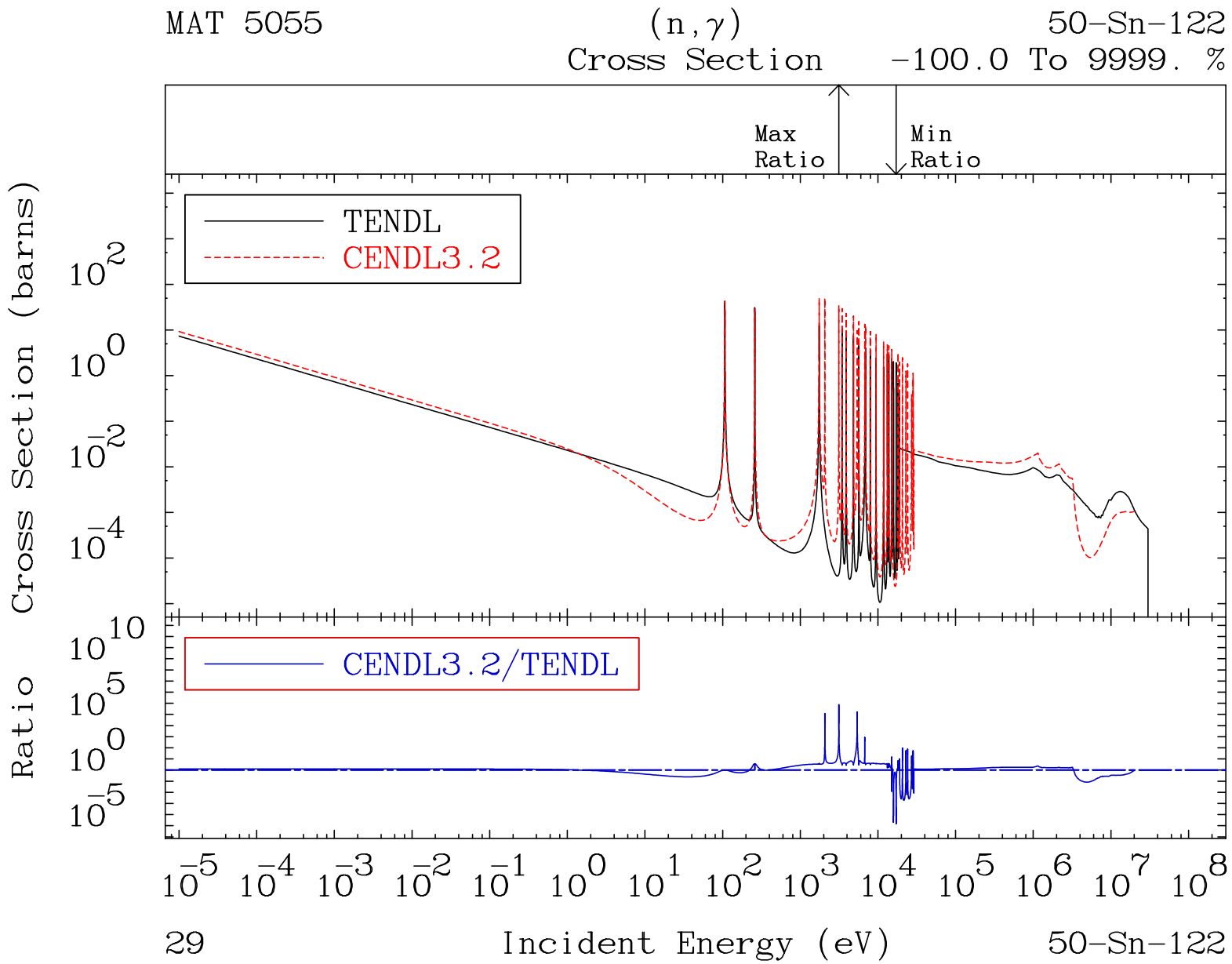

MAT 5055
MT= 67 (n,n') Level
50-Sn-122
Cross Section
-100.0 To -45.06%
Max
Ratio
TENDL Threshold 2.7571 MeV
CENDL3.2 Threshold 2.7728 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
0.8
0.4
0.0
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
24
Incident Energy (eV)
50-Sn-122

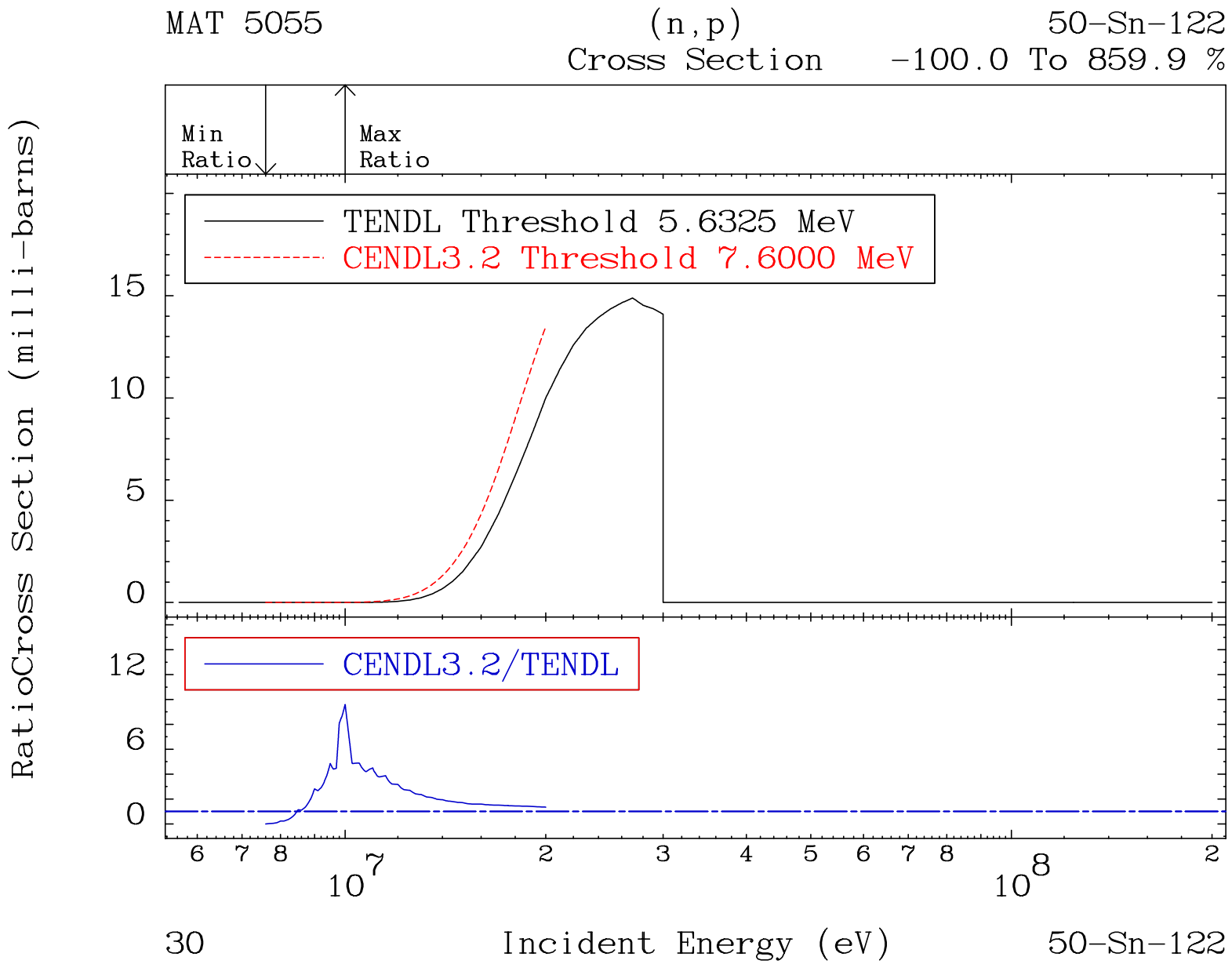

MAT 5055
MT= 68 (n,n') Level
50-Sn-122
Cross Section -100.0 To 4320. %
Min Ratio
Max Ratio
TENDL Threshold 2.7738 MeV
CENDL3.2 Threshold 2.7986 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
60
40
20
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
50-Sn-122

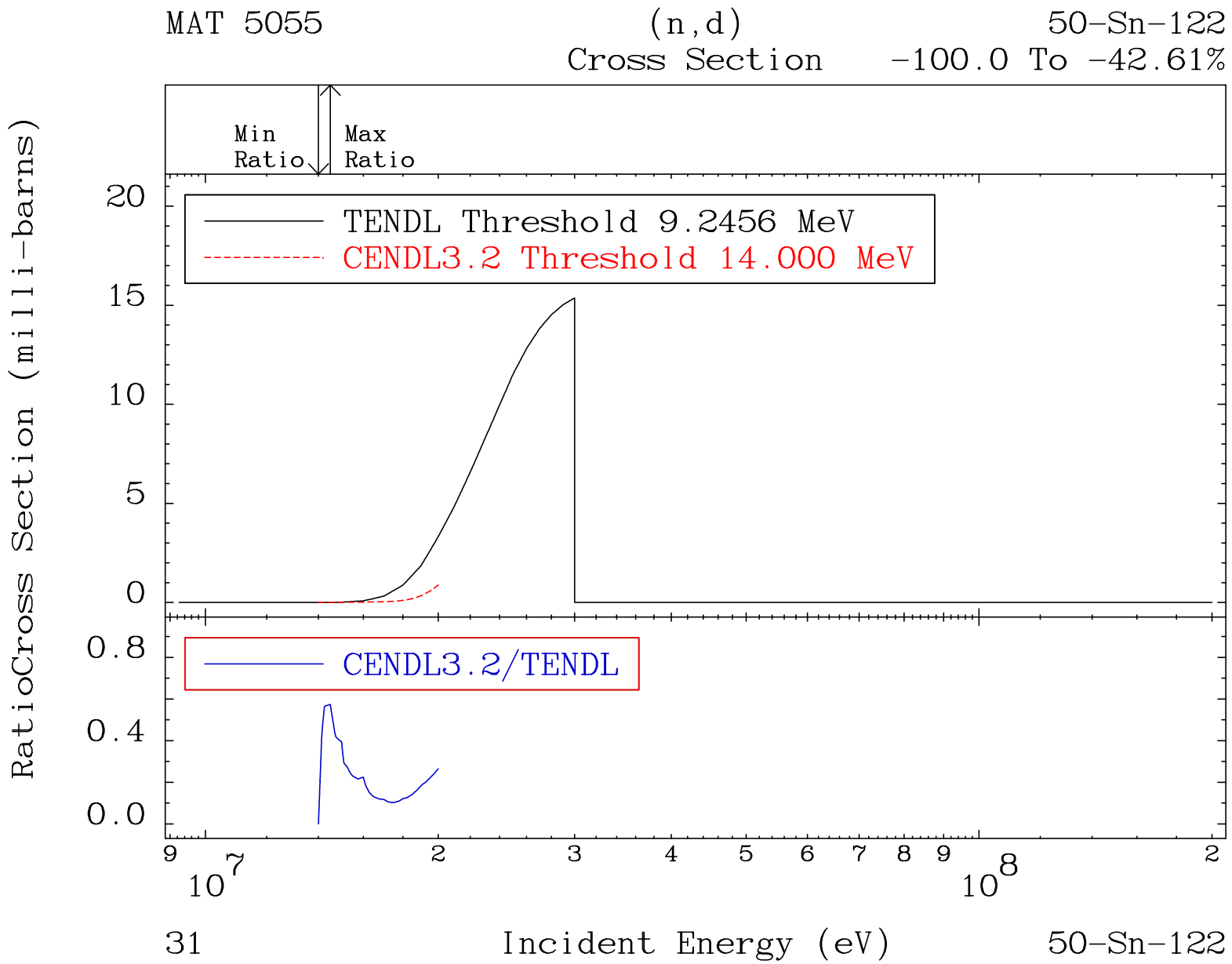

MAT 5055
MT= 69 (n,n') Level
50-Sn-122
Cross Section
-100.0 To -52.01%
Max
Ratio
TENDL Threshold 2.7885 MeV
CENDL3.2 Threshold 2.8613 MeV
CENDL3.2/TENDL
RatioCross Section (micro-barns)
200
150
100
50
0
0.4
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
50-Sn-122

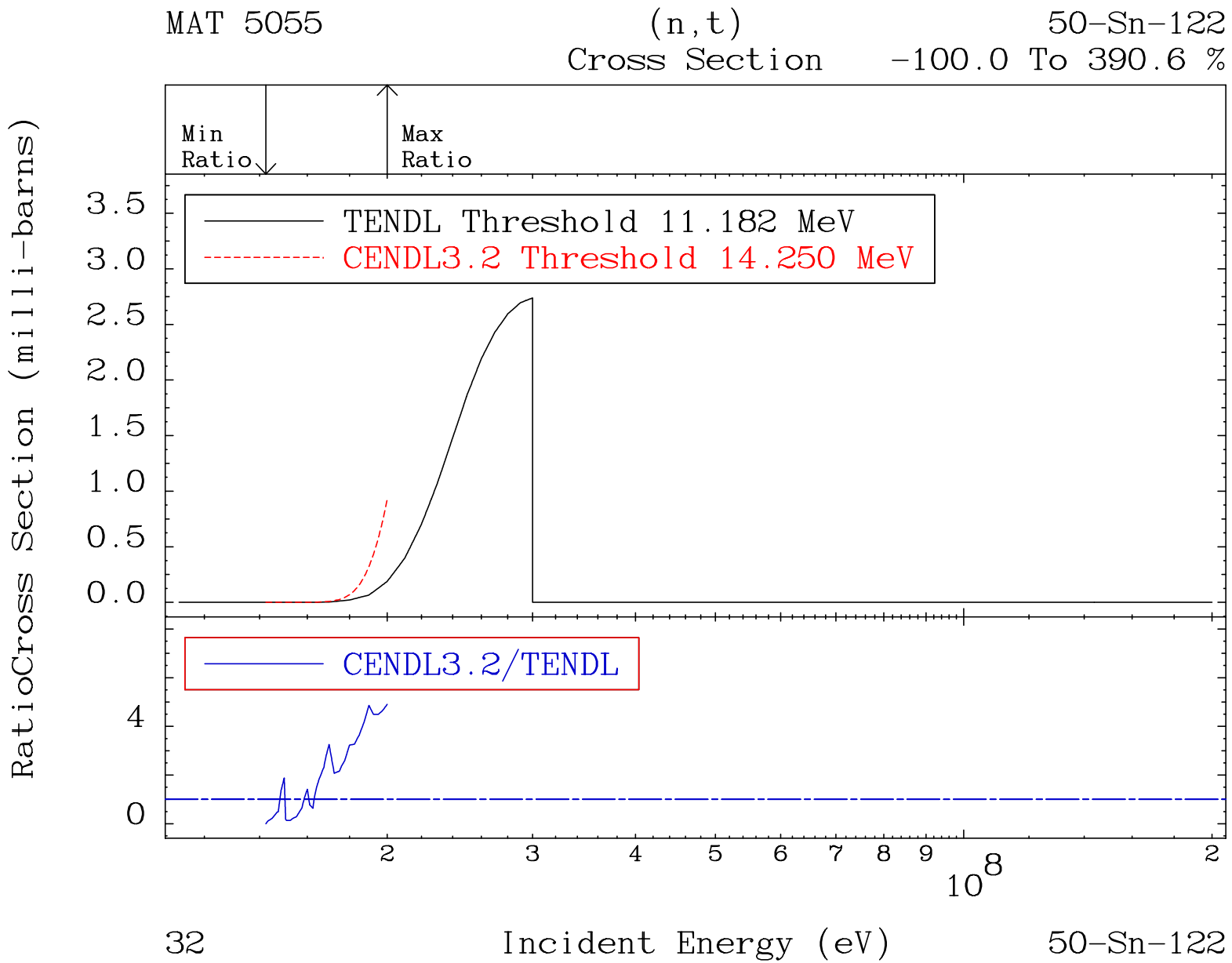

MAT 5055
MT= 70 (n,n') Level
50-Sn-122
Cross Section -100.0 To -99.15%
Max
Ratio
TENDL Threshold 2.7985 MeV
CENDL3.2 Threshold 2.8613 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
0.010
0.005
0.000
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
50-Sn-122

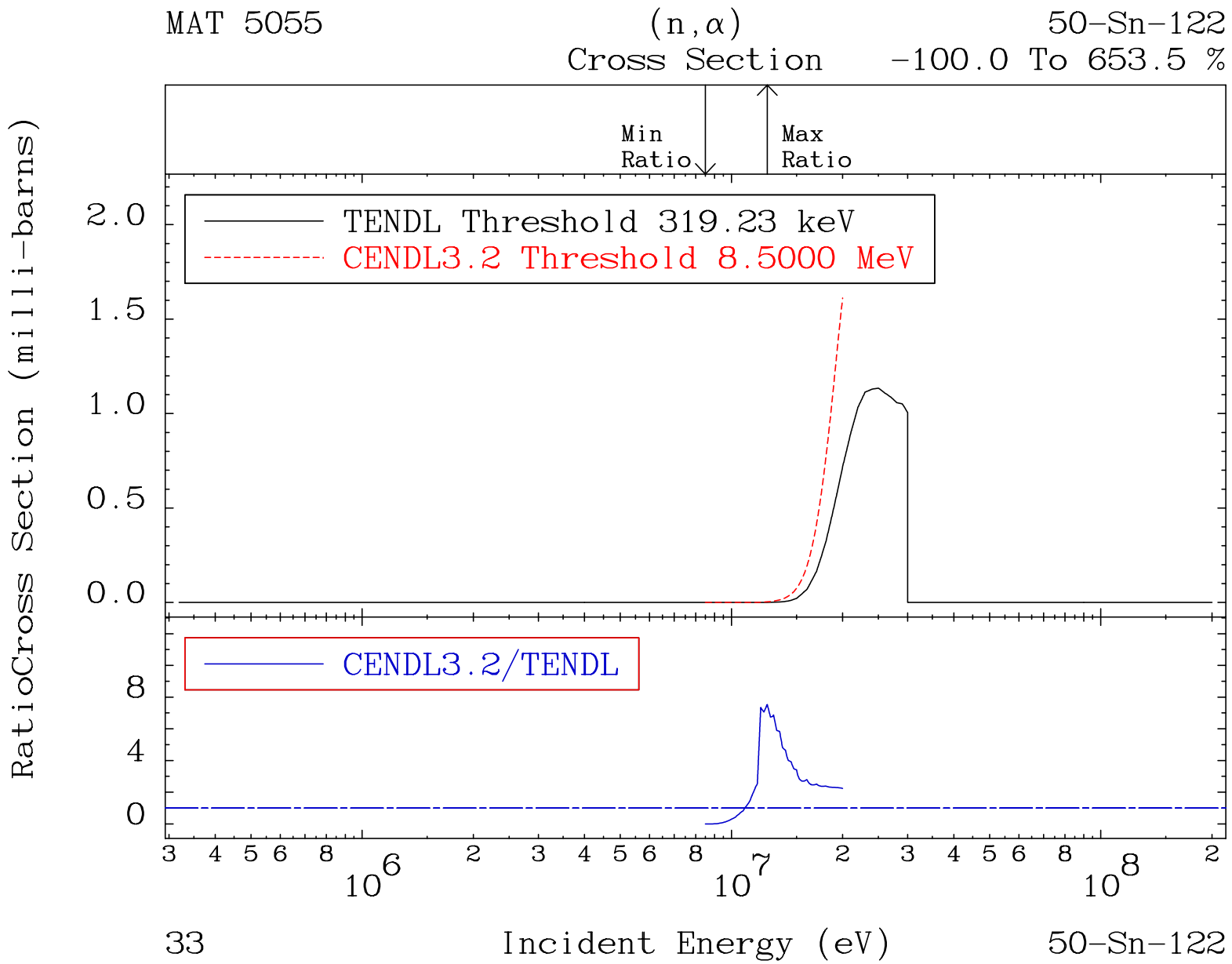

MAT 5055
(n,n') Continuum
Cross Section
50-Sn-122
-48.73 To 520.1 %
Max Ratio
Min Ratio
TENDL Threshold 3.1077 MeV
CENDL3.2 Threshold 3.1000 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
28
50-Sn-122

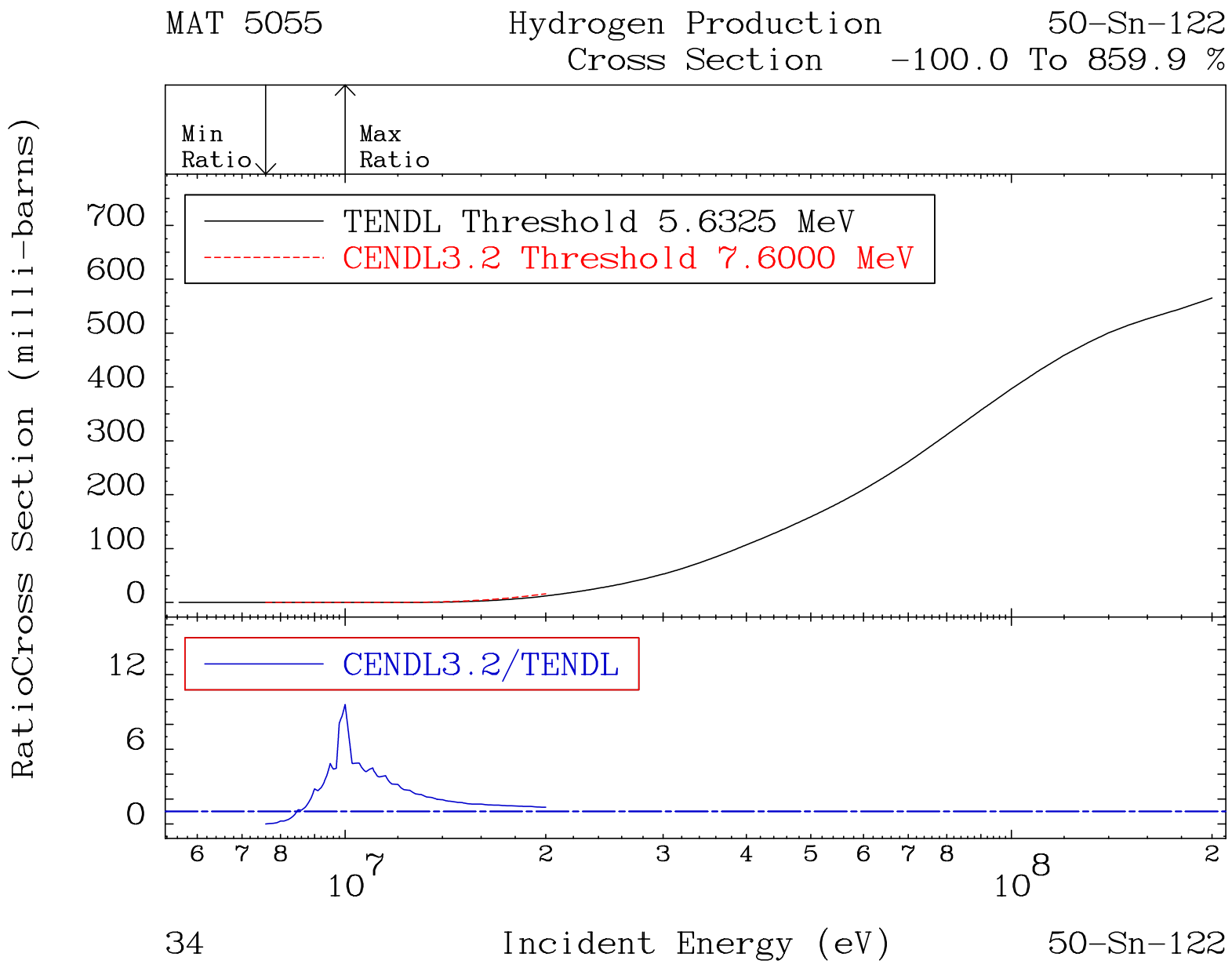

MAT 5055
(n,γ)
Cross Section
50-Sn-122
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
29
50-Sn-122

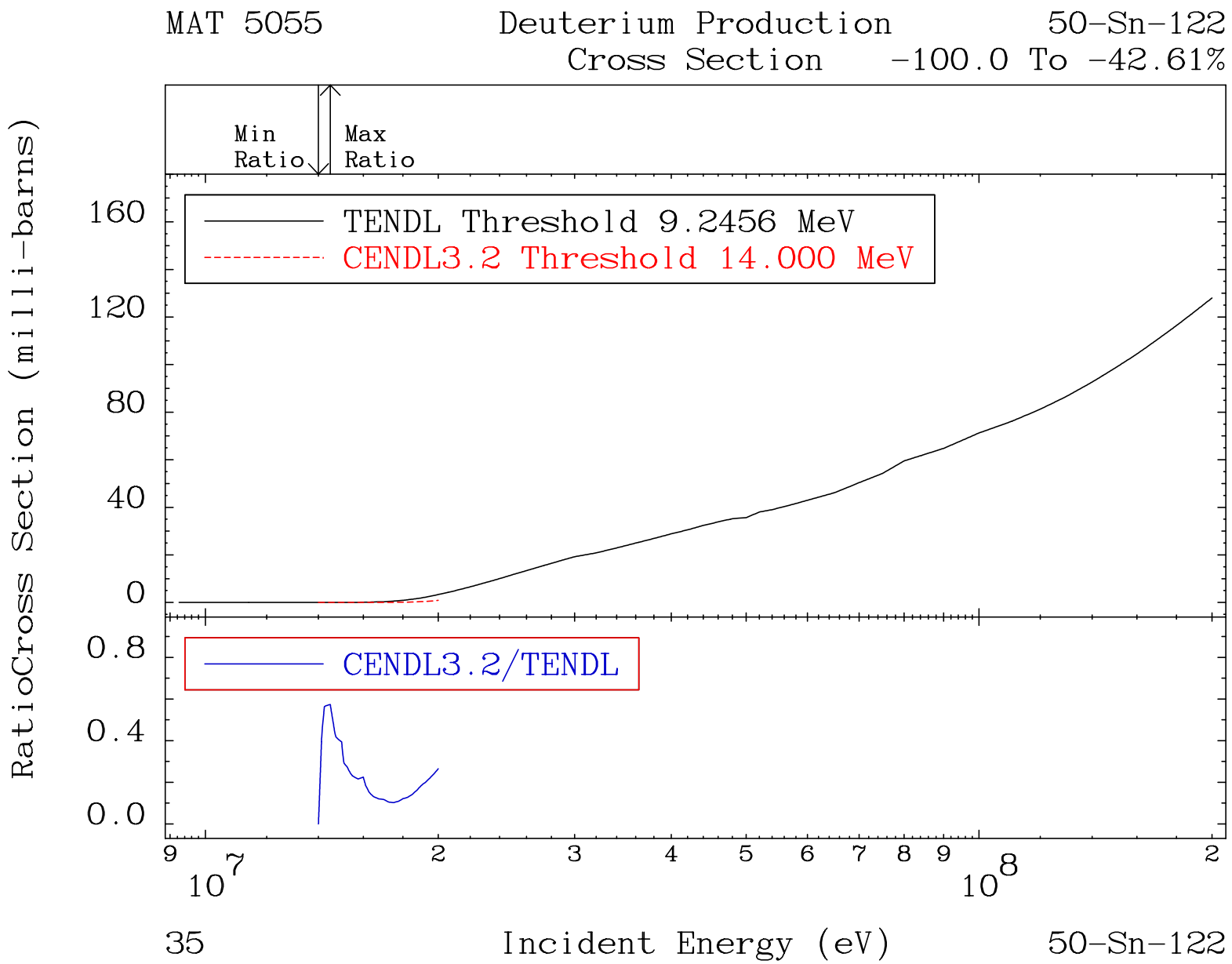

MAT 5055
(n,p)
Cross Section
50-Sn-122
-100.0 To 859.9 %
Min Ratio
Max Ratio
TENDL Threshold 5.6325 MeV
CENDL3.2 Threshold 7.6000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
15
10
5
0
12
6
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
50-Sn-122

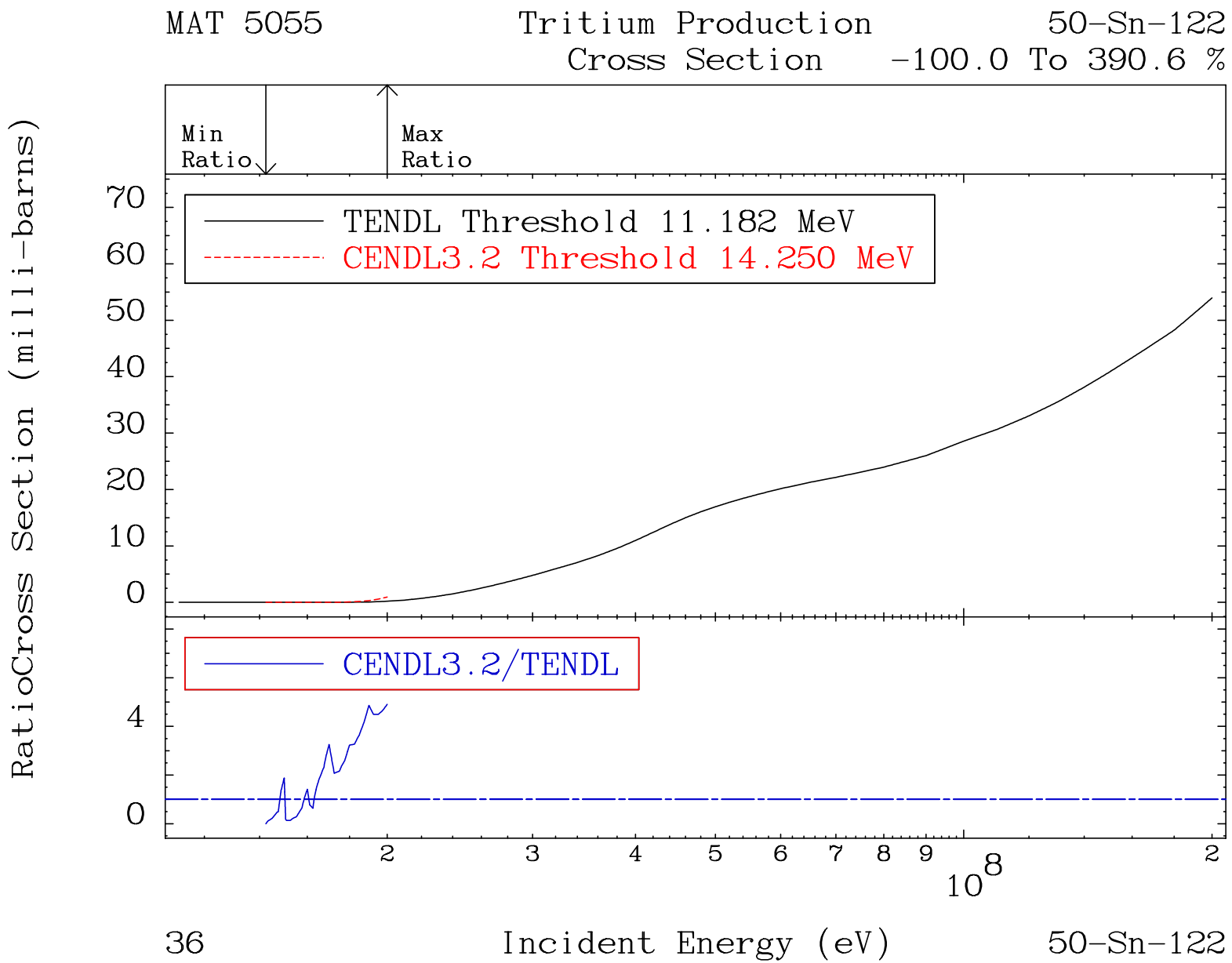

MAT 5055
(n,d)
Cross Section
50-Sn-122
-100.0 To -42.61%
Min Ratio
Max Ratio
TENDL Threshold 9.2456 MeV
CENDL3.2 Threshold 14.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
0.8
0.4
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
31
Incident Energy (eV)
50-Sn-122

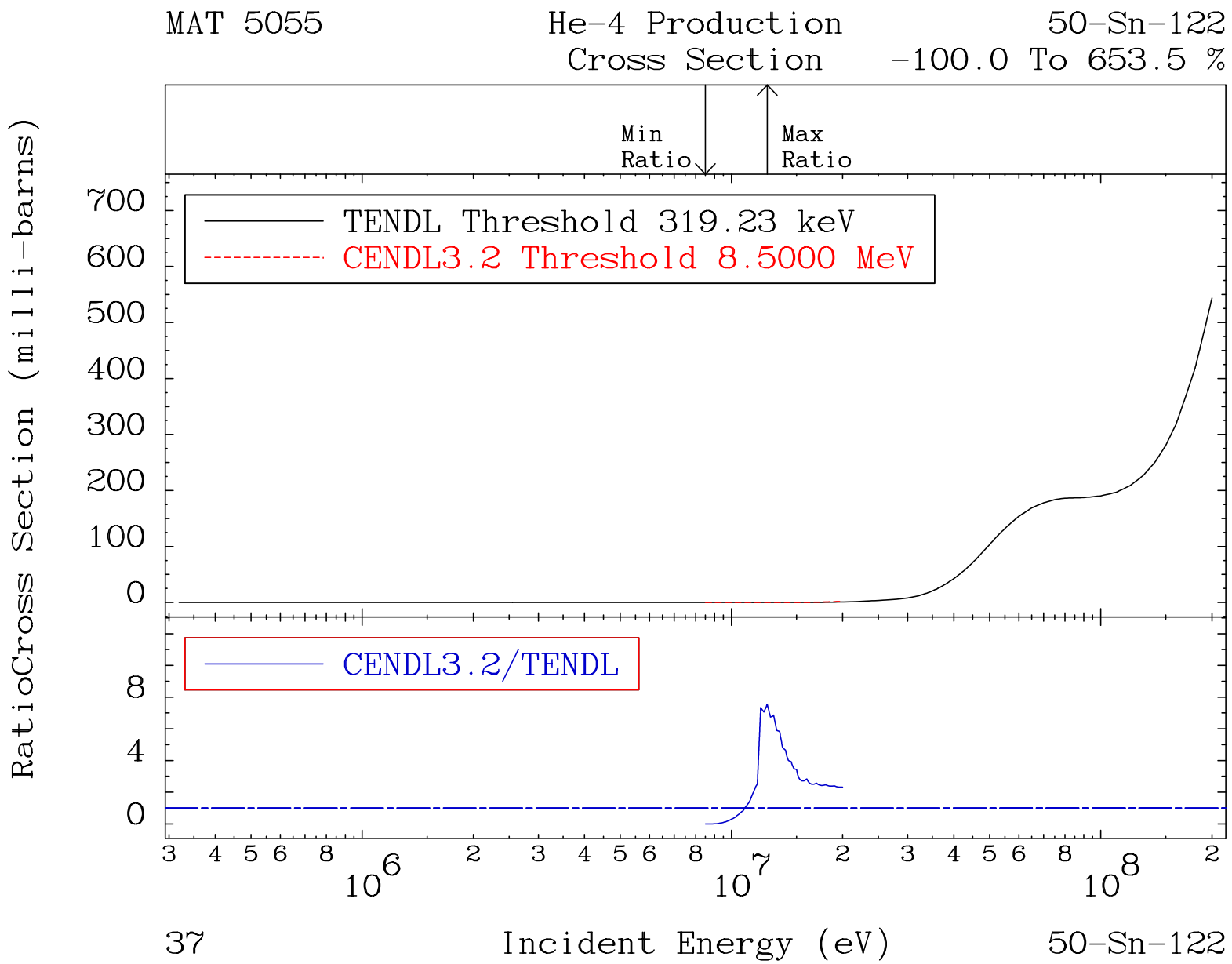

MAT 5055
(n,t)
Cross Section
50-Sn-122
-100.0 To 390.6 %
Min Ratio
Max Ratio
TENDL Threshold 11.182 MeV
CENDL3.2 Threshold 14.250 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
4
0
2
3
4
5
6
7
8
9
2
10^8
32
Incident Energy (eV)
50-Sn-122

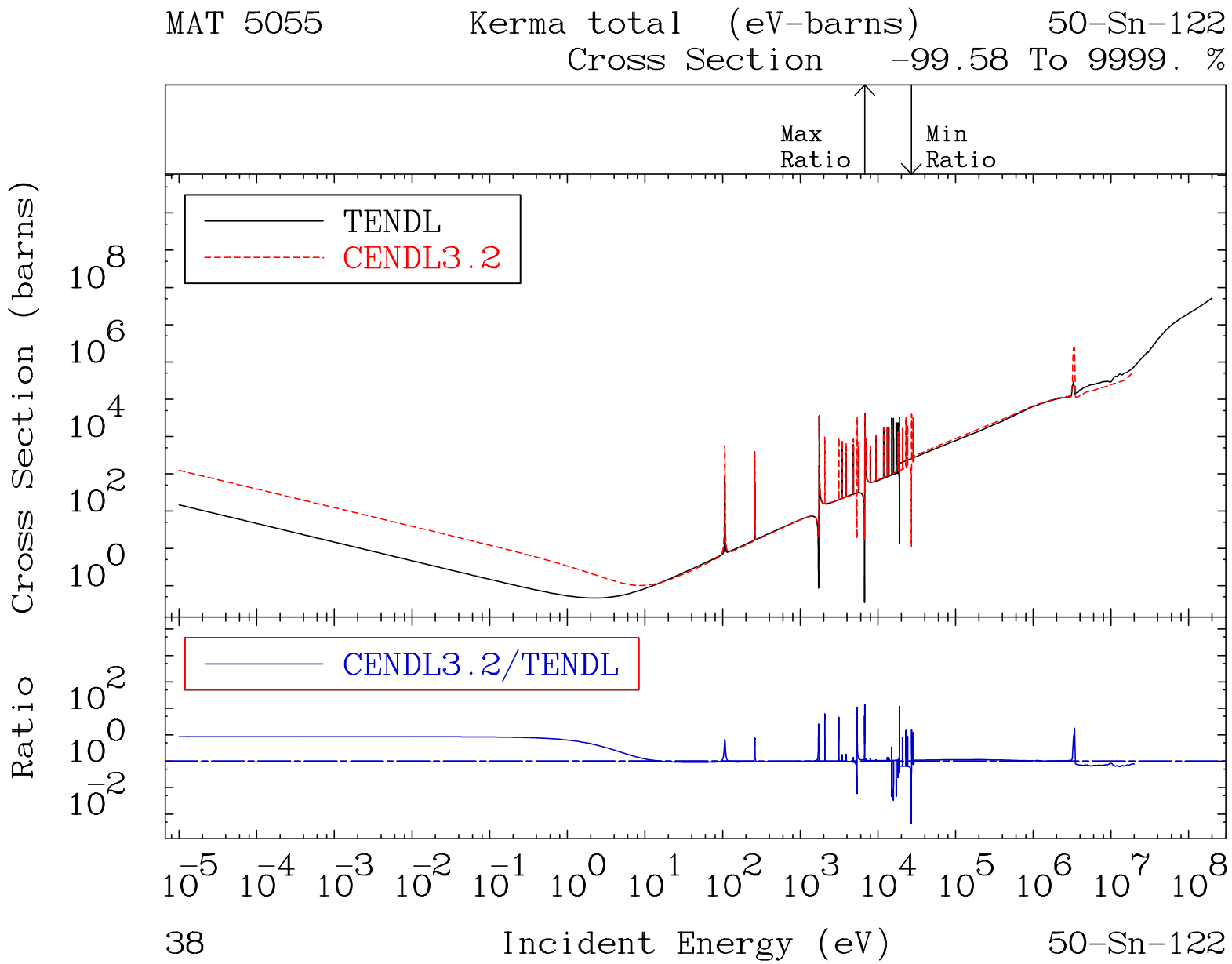

MAT 5055
(n,α)
Cross Section
50-Sn-122
-100.0 To 653.5 %
Min Ratio
Max Ratio
TENDL Threshold 319.23 keV
CENDL3.2 Threshold 8.5000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
8
4
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
33
Incident Energy (eV)
50-Sn-122

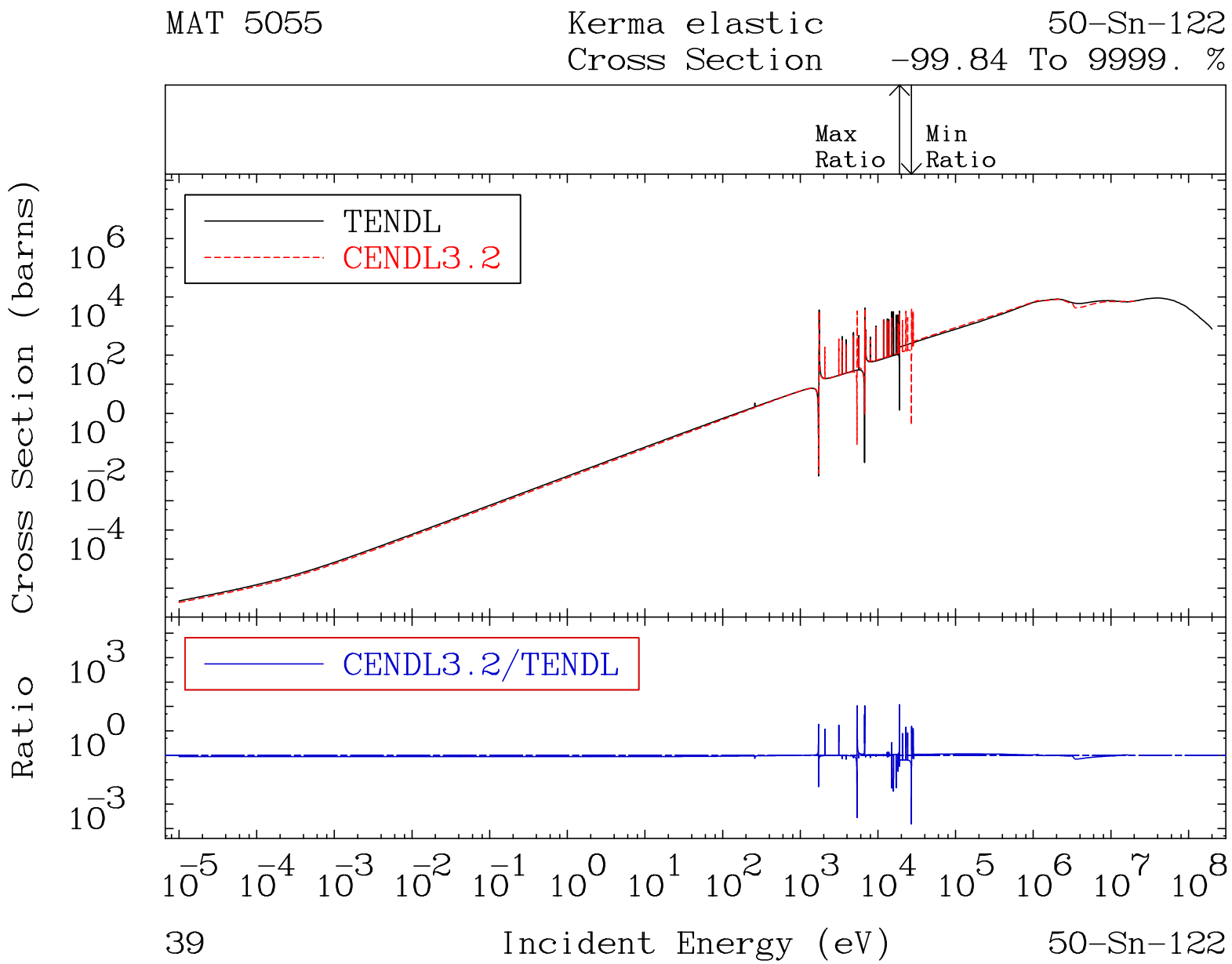

MAT 5055
Hydrogen Production
50-Sn-122
Cross Section
-100.0 To 859.9 %
Min Ratio
Max Ratio
TENDL Threshold 5.6325 MeV
CENDL3.2 Threshold 7.6000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
12
6
0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
34
Incident Energy (eV)
50-Sn-122

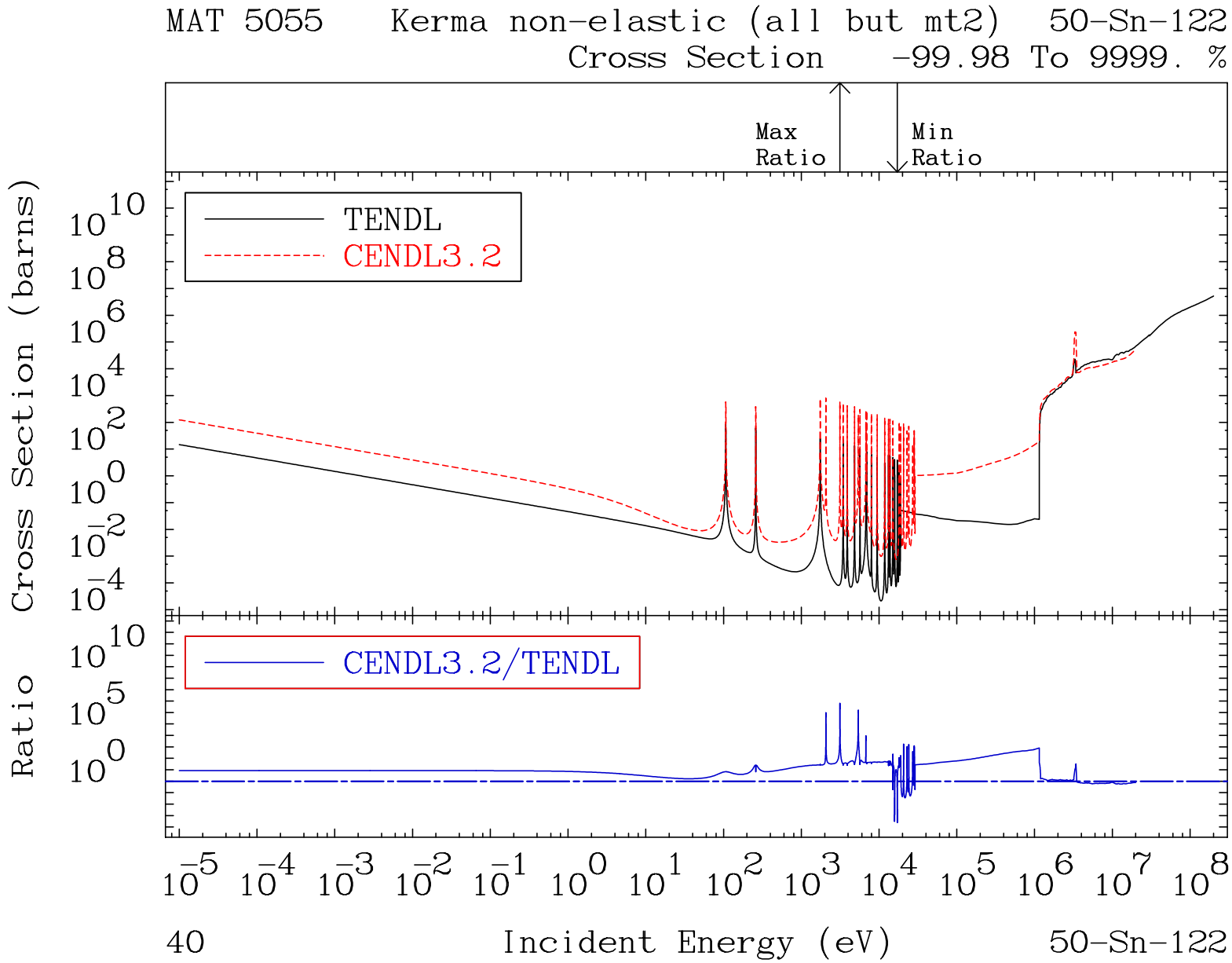

MAT 5055
Deuterium Production
50-Sn-122
Cross Section
-100.0 To -42.61%
Min Ratio
Max Ratio
TENDL Threshold 9.2456 MeV
CENDL3.2 Threshold 14.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
0.8
0.4
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
35
Incident Energy (eV)
50-Sn-122

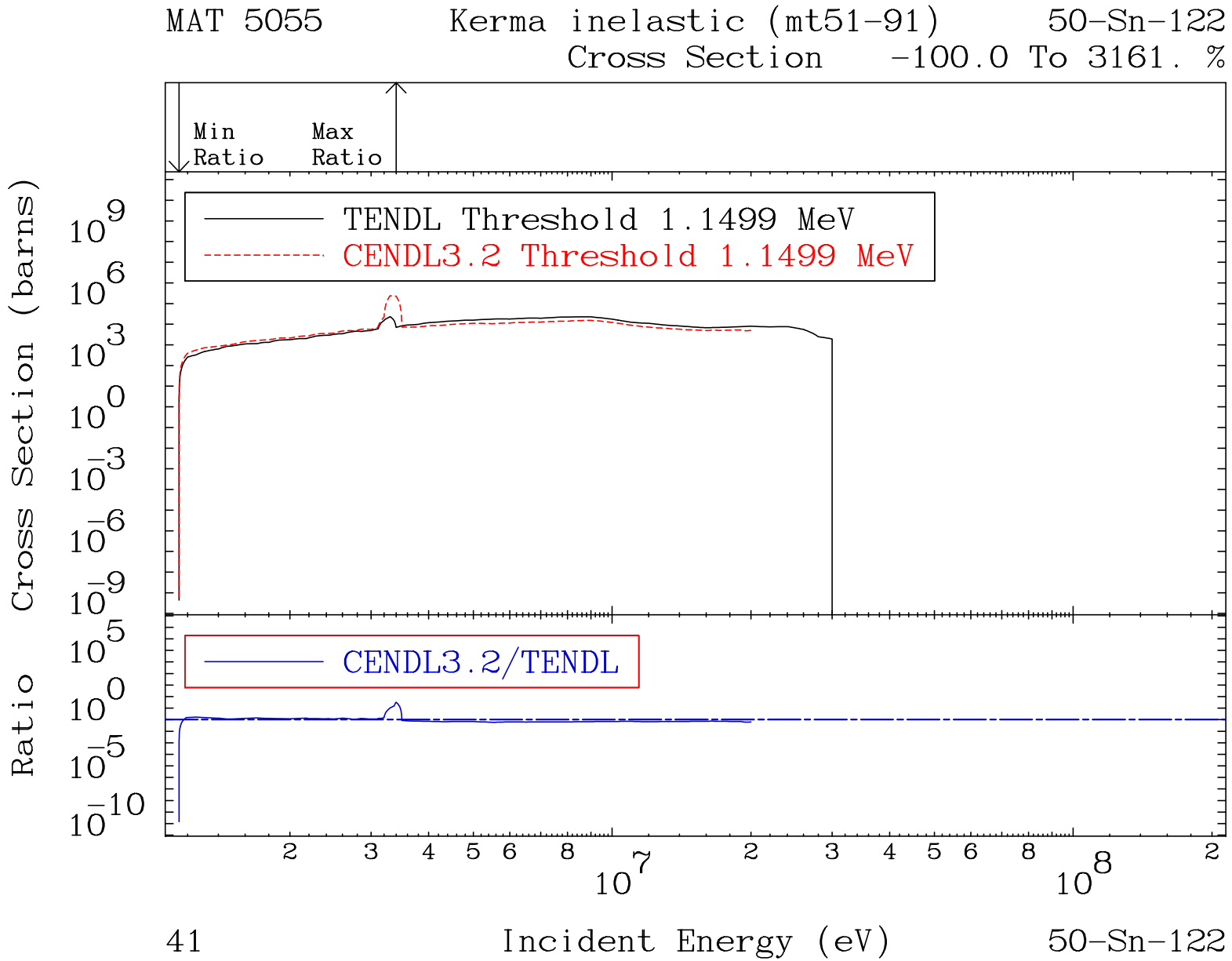

MAT 5055
Tritium Production
50-Sn-122
Cross Section
-100.0 To 390.6 %
Min Ratio
Max Ratio
TENDL Threshold 11.182 MeV
CENDL3.2 Threshold 14.250 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
4
0
2
3
4
5
6
7
8
9
10^8
2
36
Incident Energy (eV)
50-Sn-122

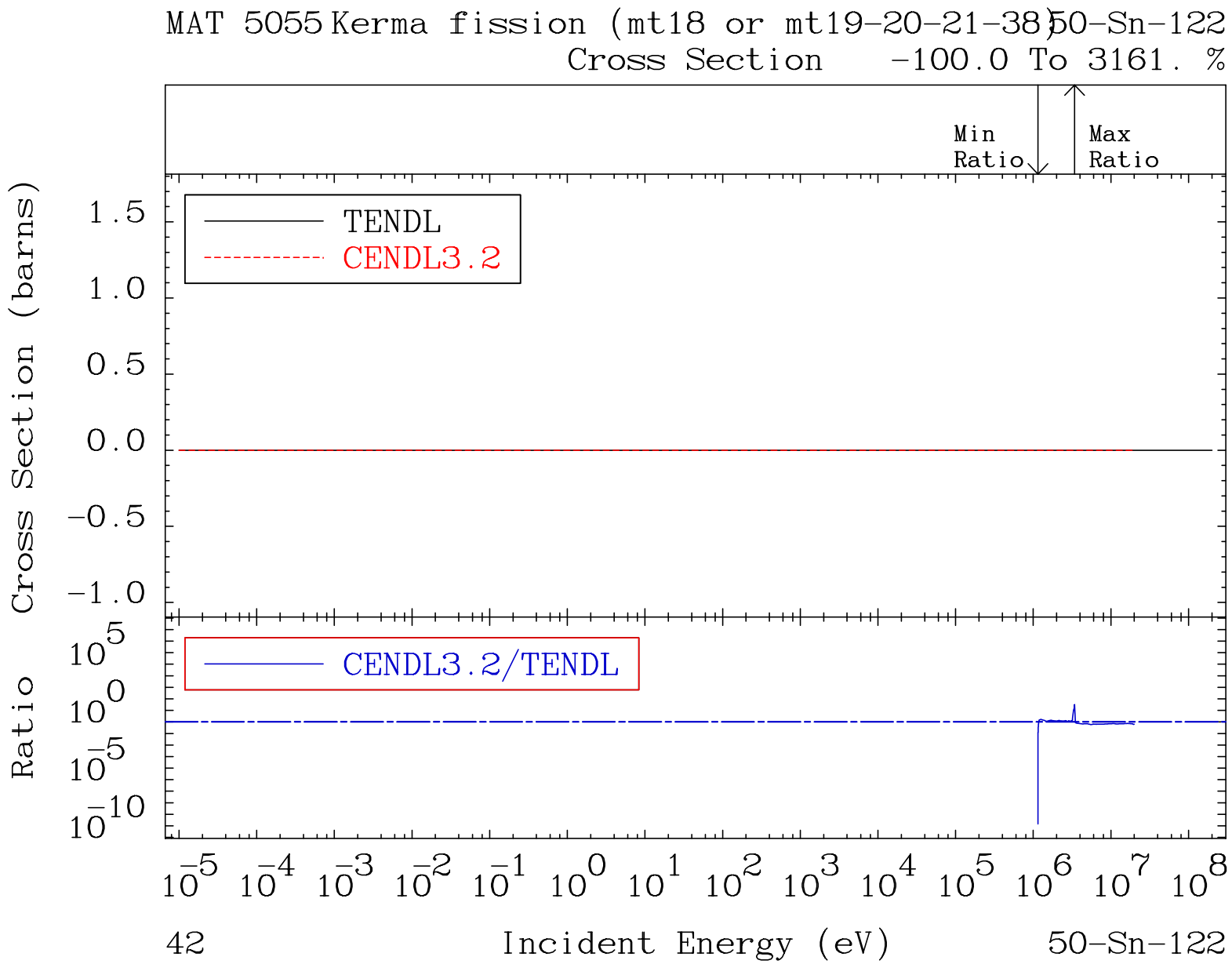

MAT 5055
He-4 Production
Cross Section
50-Sn-122
-100.0 To 653.5 %
Min Ratio
Max Ratio
TENDL Threshold 319.23 keV
CENDL3.2 Threshold 8.5000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
8
4
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
37
Incident Energy (eV)
50-Sn-122

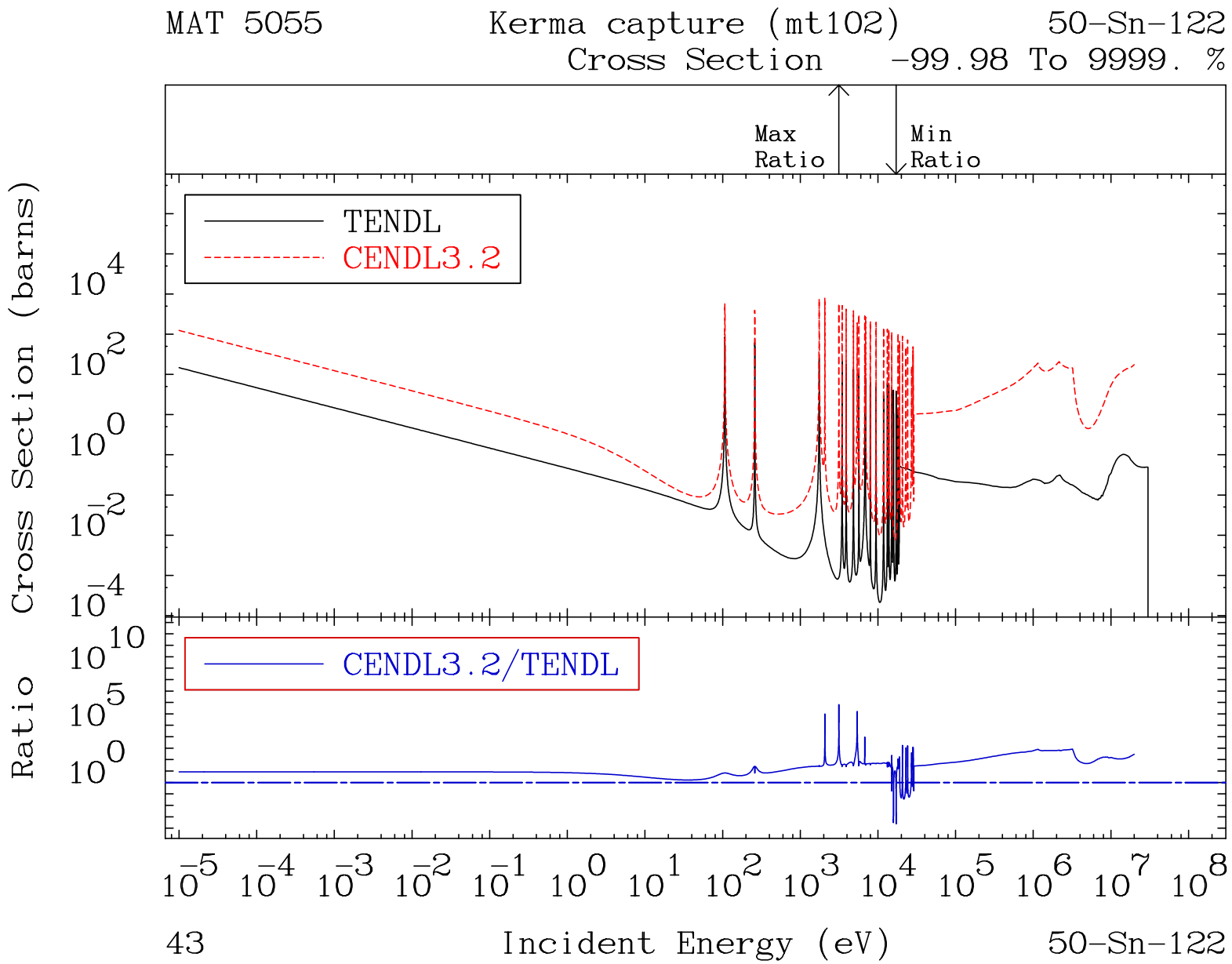

MAT 5055
Kerma total (eV-barns)
50-Sn-122
Cross Section -99.58 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
38
50-Sn-122

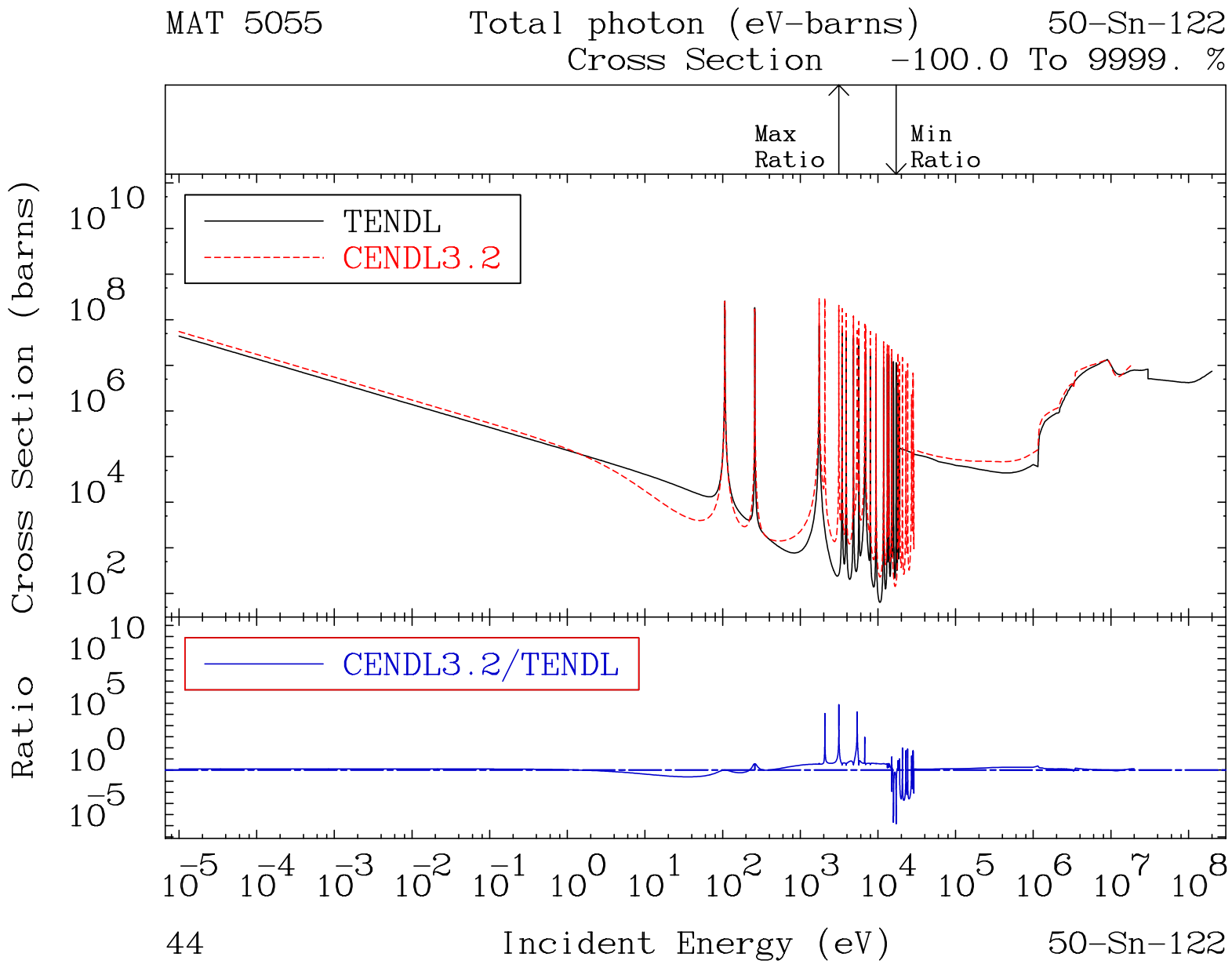

MAT 5055
Kerma elastic
Cross Section
50-Sn-122
-99.84 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
50-Sn-122

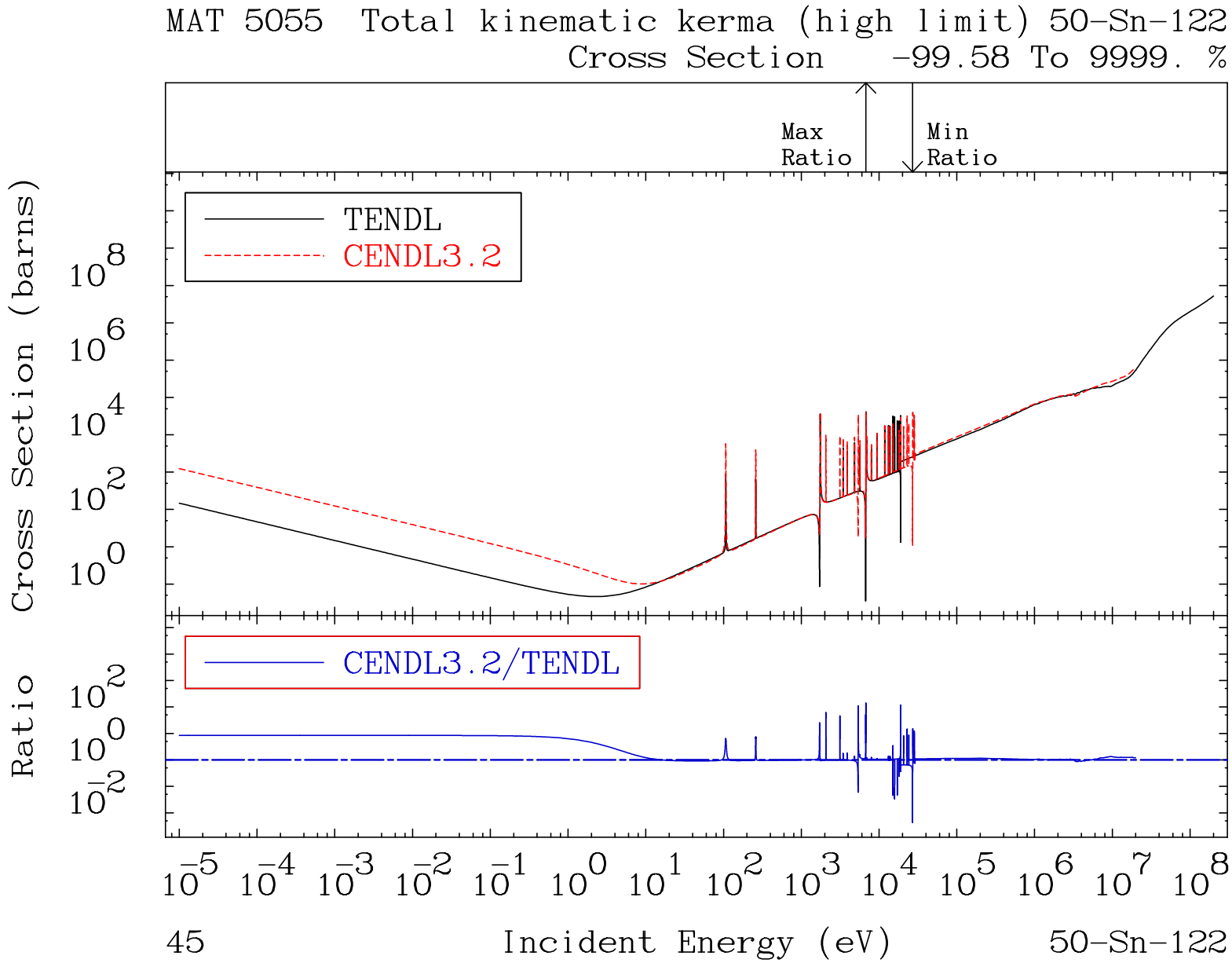

MAT 5055 Kerma non-elastic (all but mt2) 50-Sn-122
Cross Section -99.98 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
40
50-Sn-122

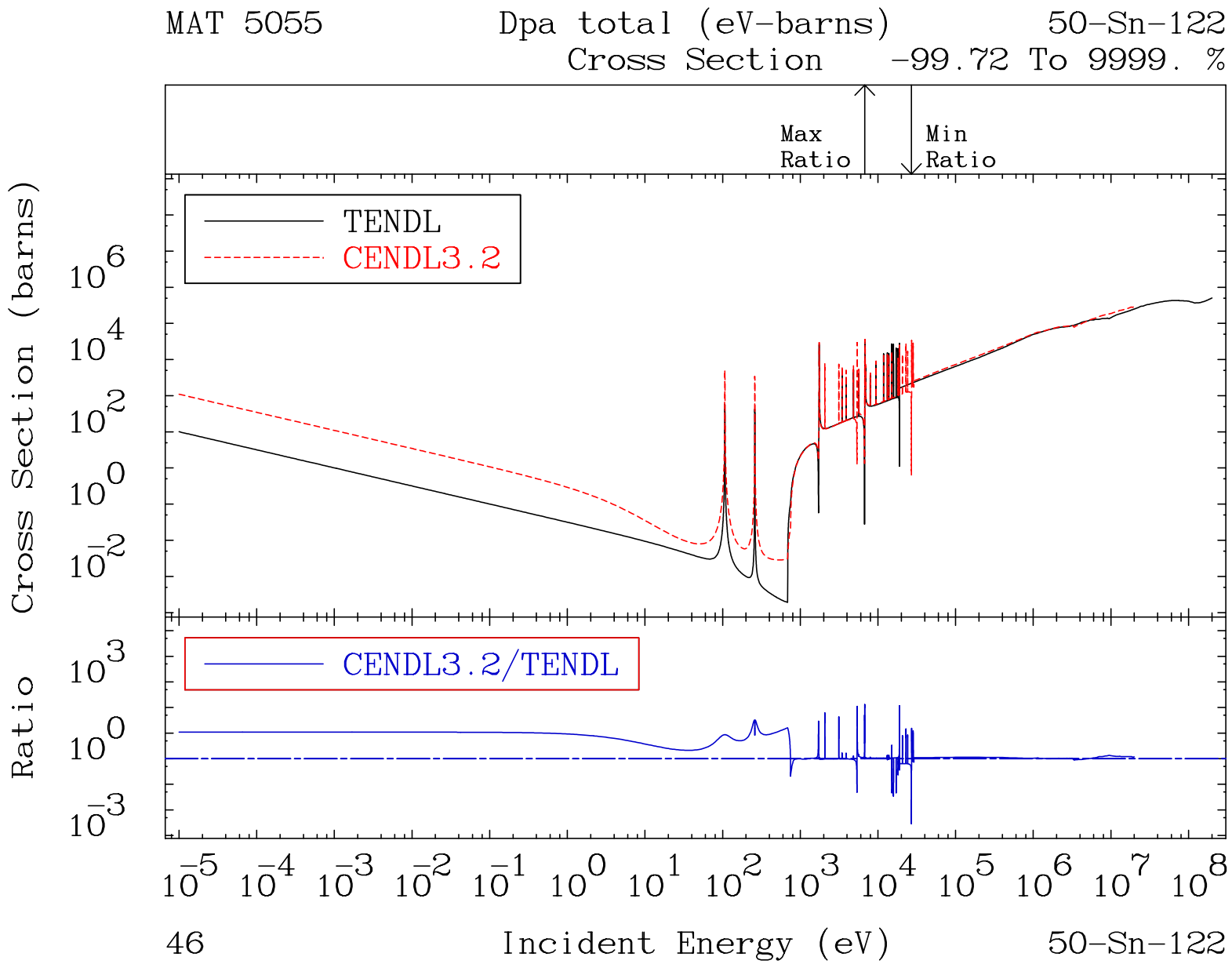

MAT 5055
Kerma inelastic (mt51-91)
50-Sn-122
Cross Section -100.0 To 3161. %
Min Ratio
Max Ratio
TENDL Threshold 1.1499 MeV
CENDL3.2 Threshold 1.1499 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
50-Sn-122

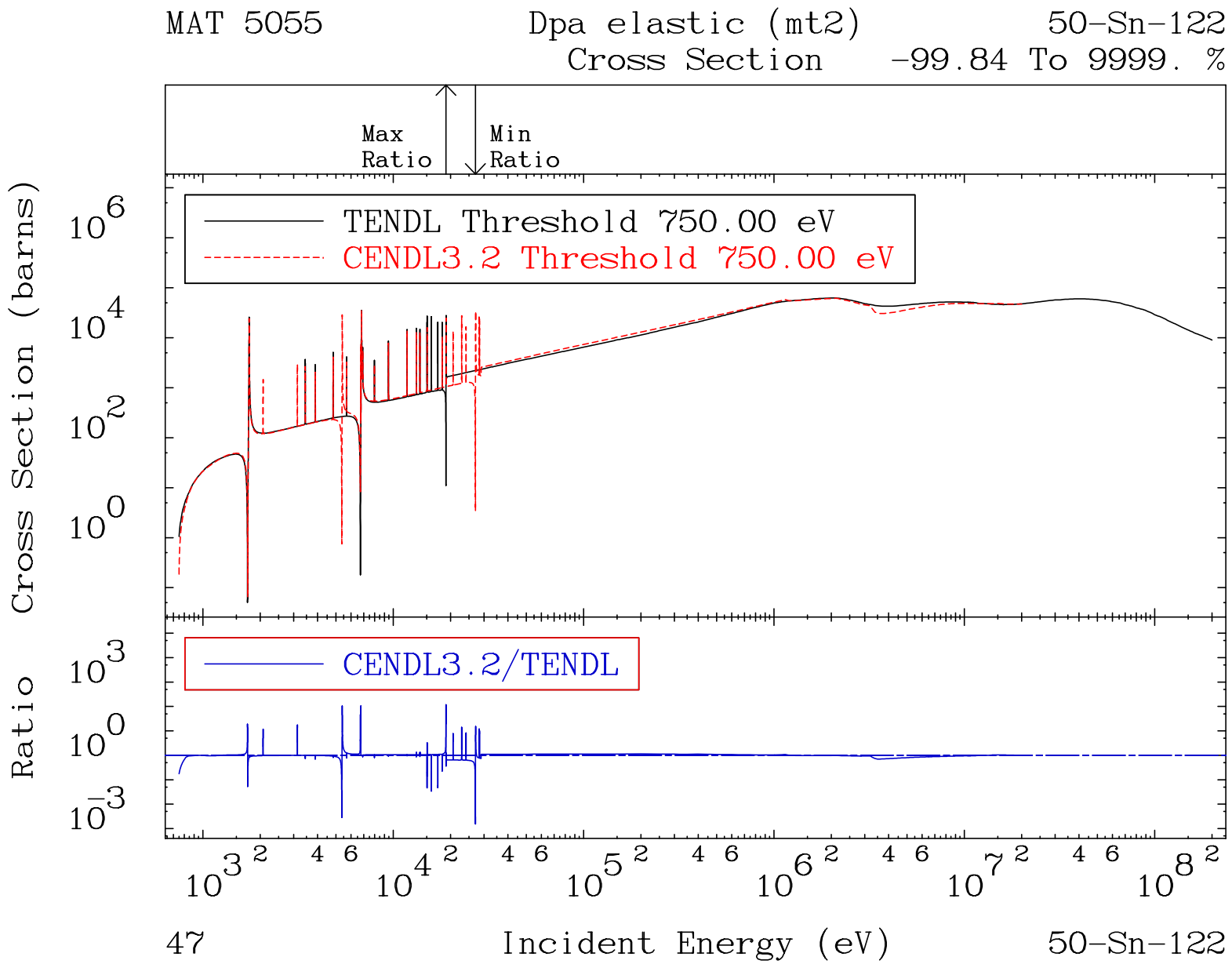

MAT 5055 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-122
Cross Section -100.0 To 3161. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{5}
10^{0}
10^{-5}
10^{-10}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
42
Incident Energy (eV)
50-Sn-122

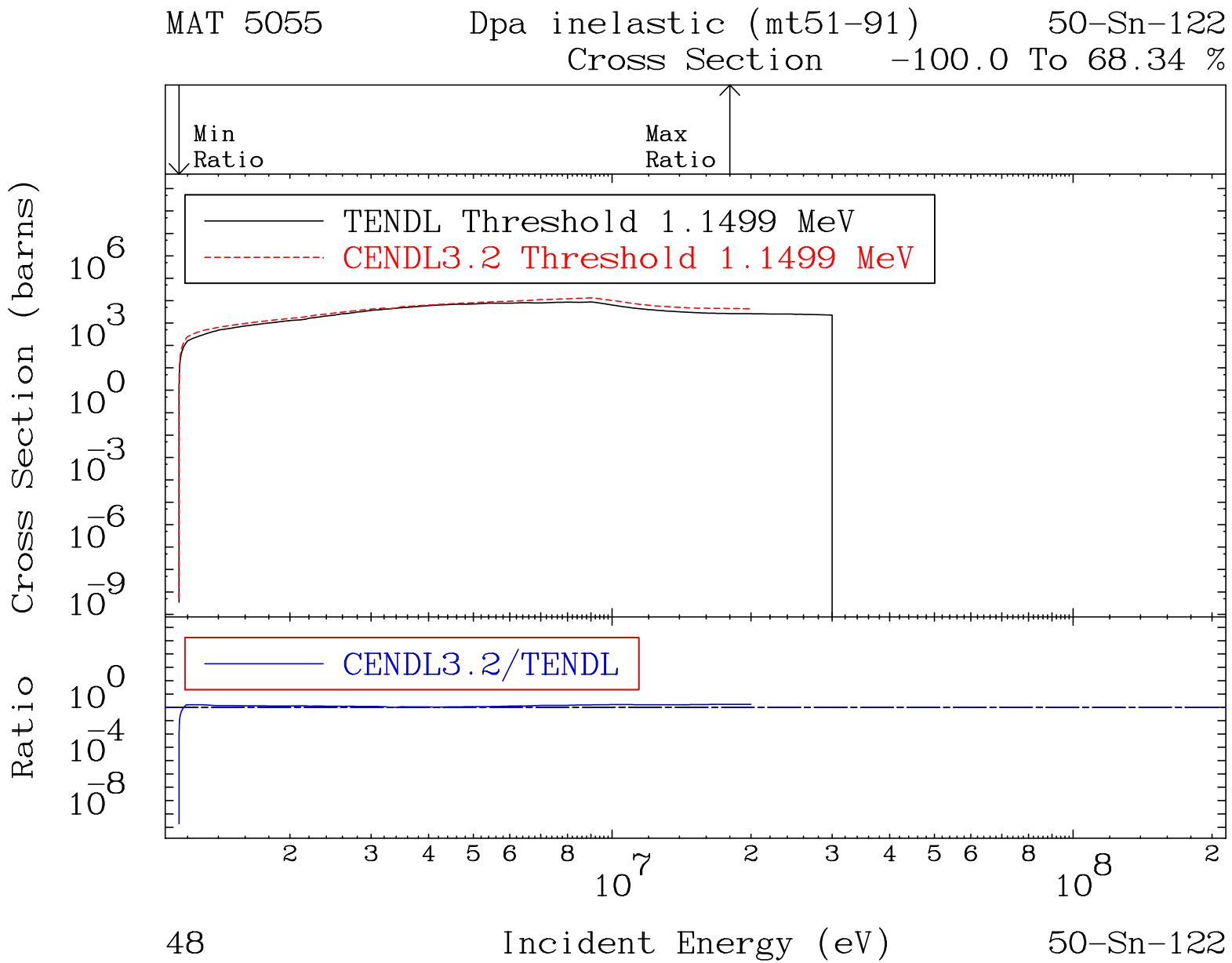

MAT 5055
Kerma capture (mt102)
50-Sn-122
Cross Section -99.98 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
50-Sn-122

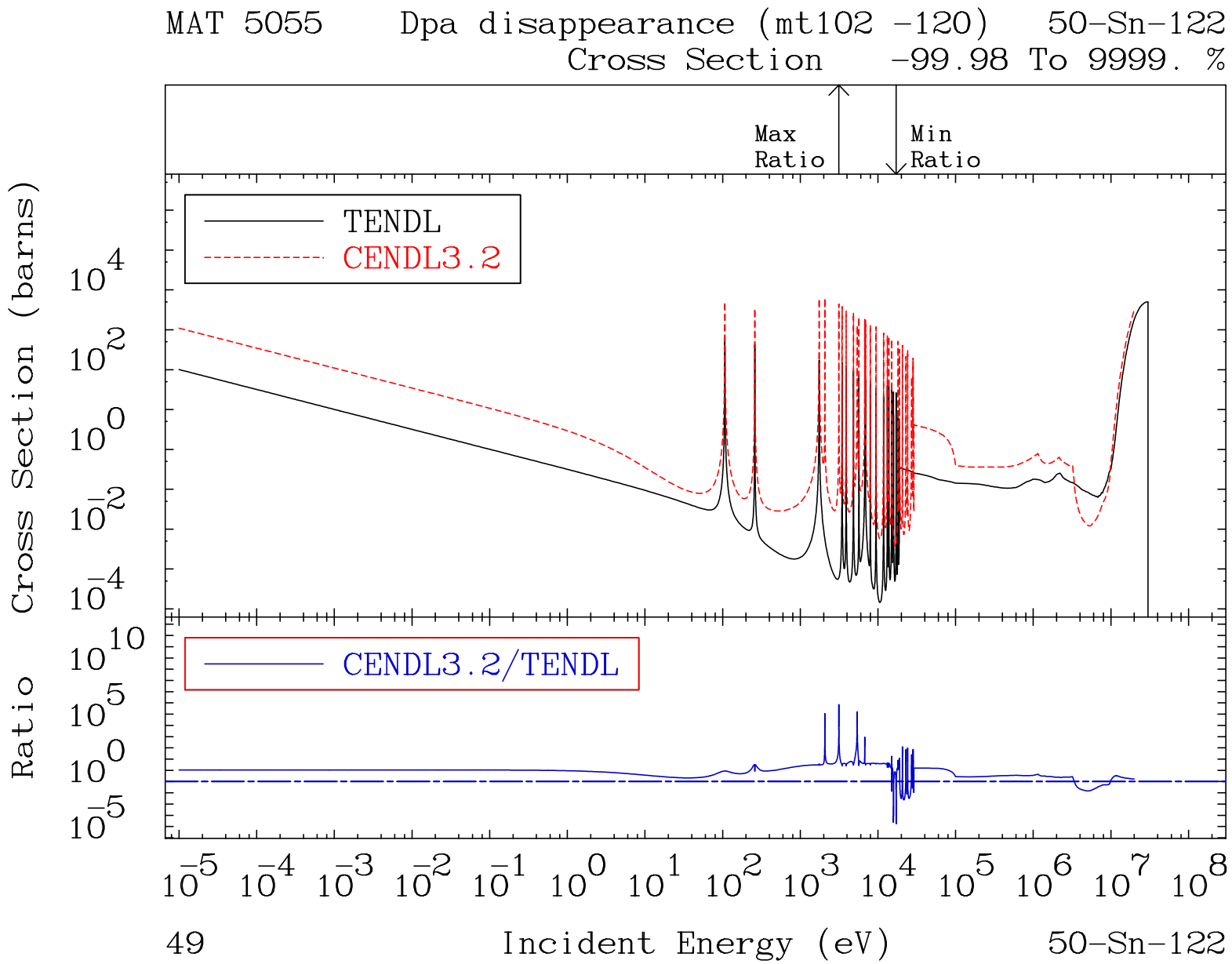

MAT 5055
Total photon (eV-barns)
50-Sn-122
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
50-Sn-122

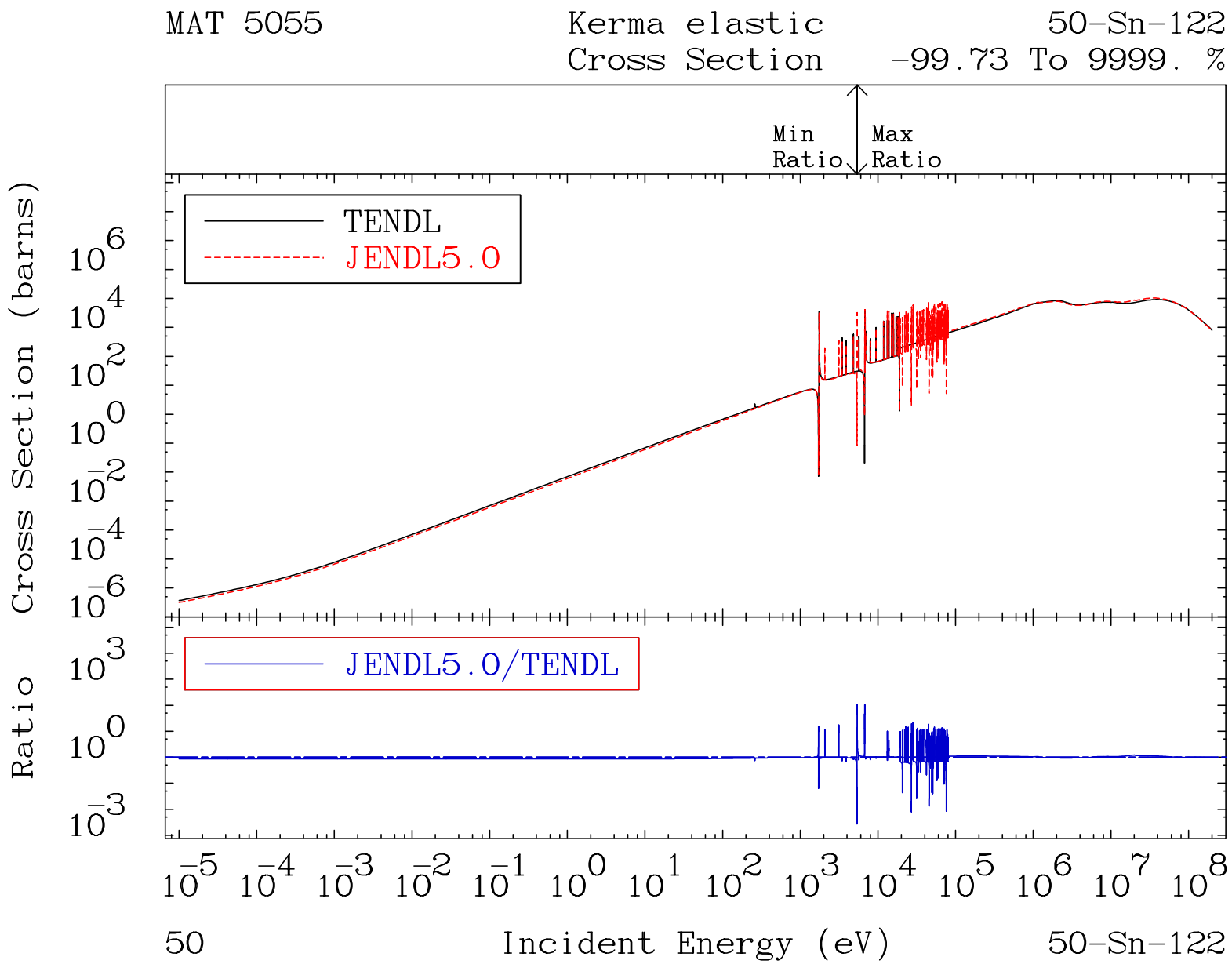

MAT 5055 Total kinematic kerma (high limit) 50-Sn-122
Cross Section -99.58 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
45
50-Sn-122

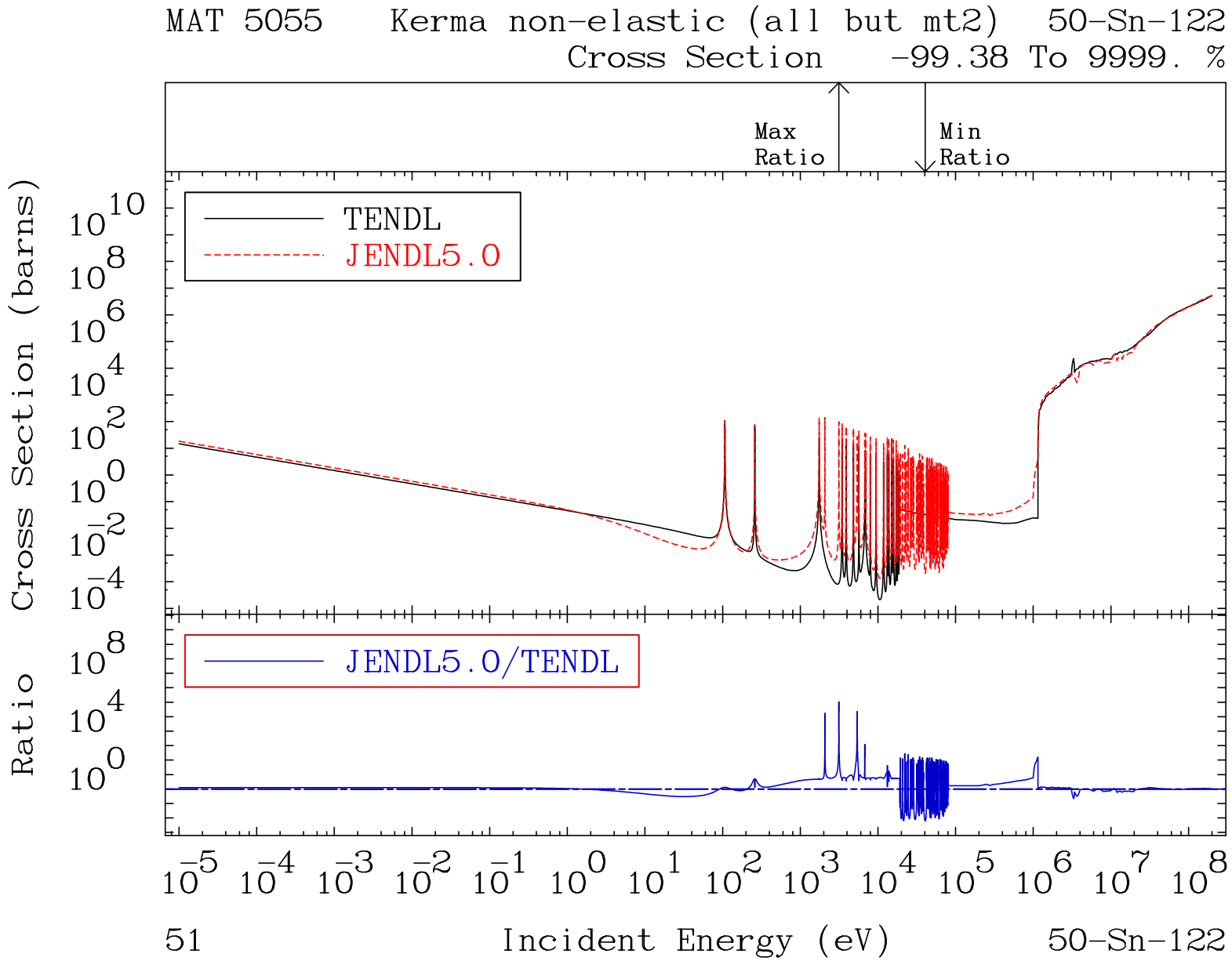

MAT 5055
Dpa total (eV-barns)
50-Sn-122
Cross Section -99.72 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
50-Sn-122

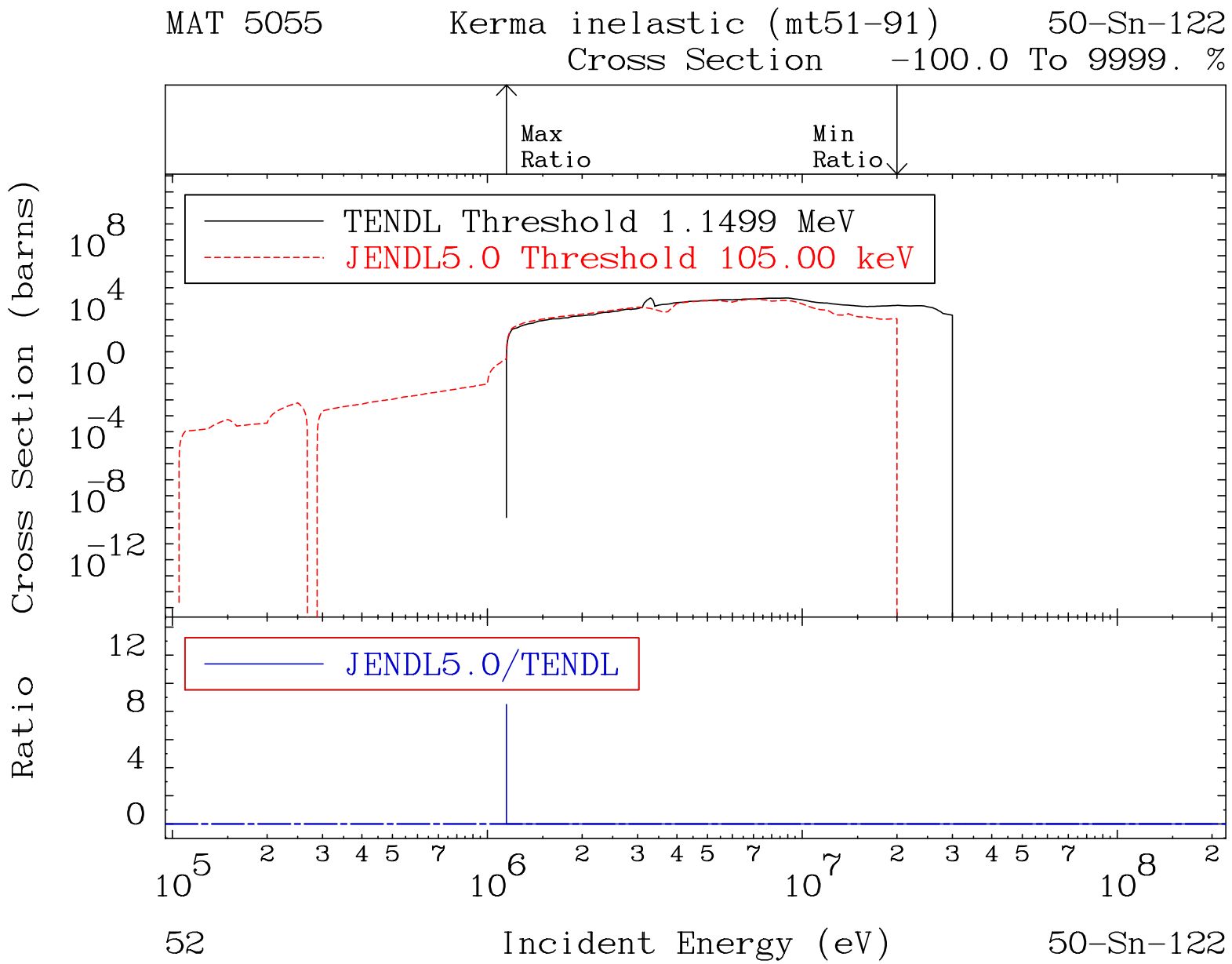

MAT 5055
Dpa elastic (mt2)
Cross Section
50-Sn-122
-99.84 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 750.00 eV
CENDL3.2 Threshold 750.00 eV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
50-Sn-122

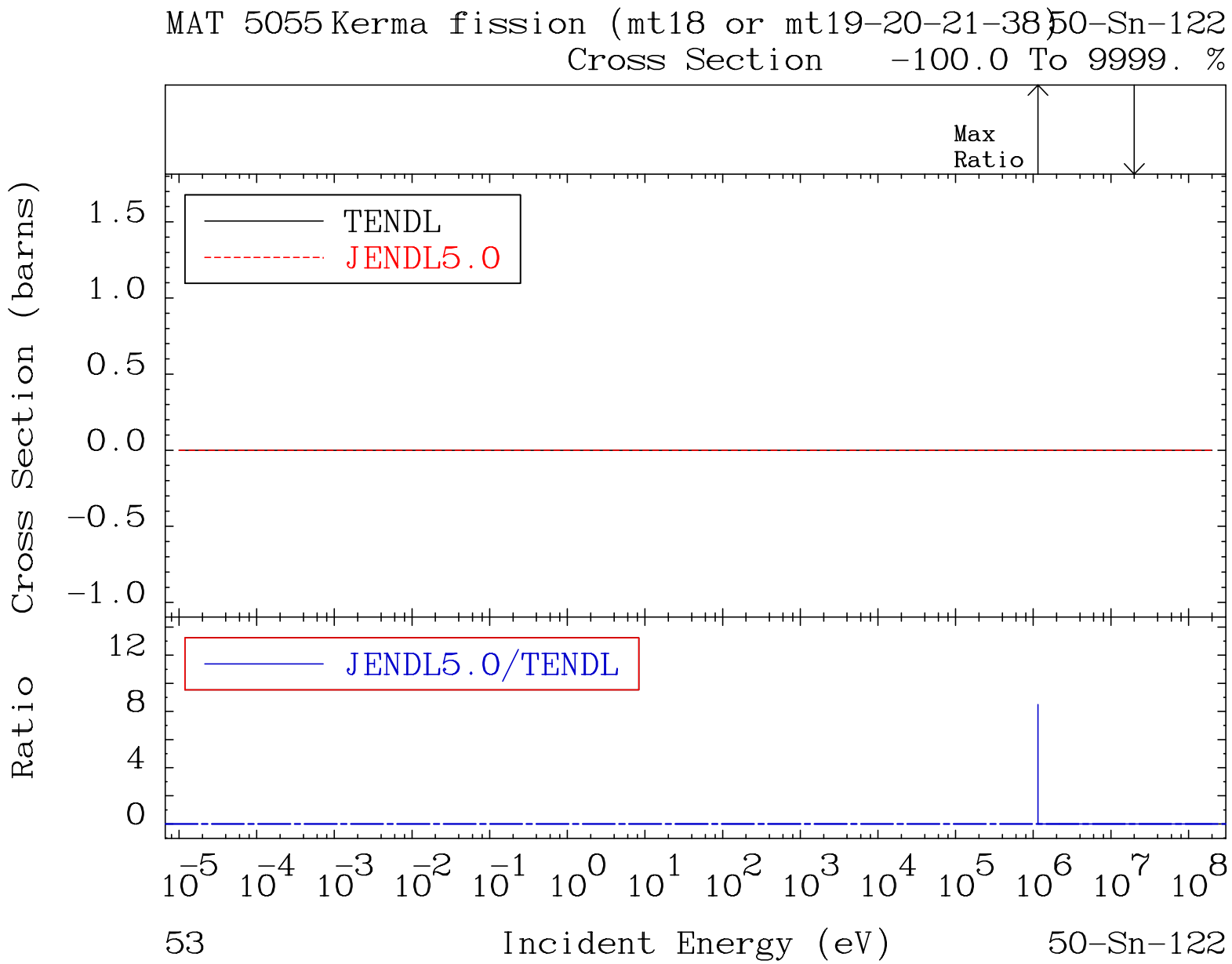

MAT 5055
Dpa inelastic (mt51-91)
50-Sn-122
Cross Section -100.0 To 68.34 %
Min Ratio
Max Ratio
TENDL Threshold 1.1499 MeV
CENDL3.2 Threshold 1.1499 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
50-Sn-122

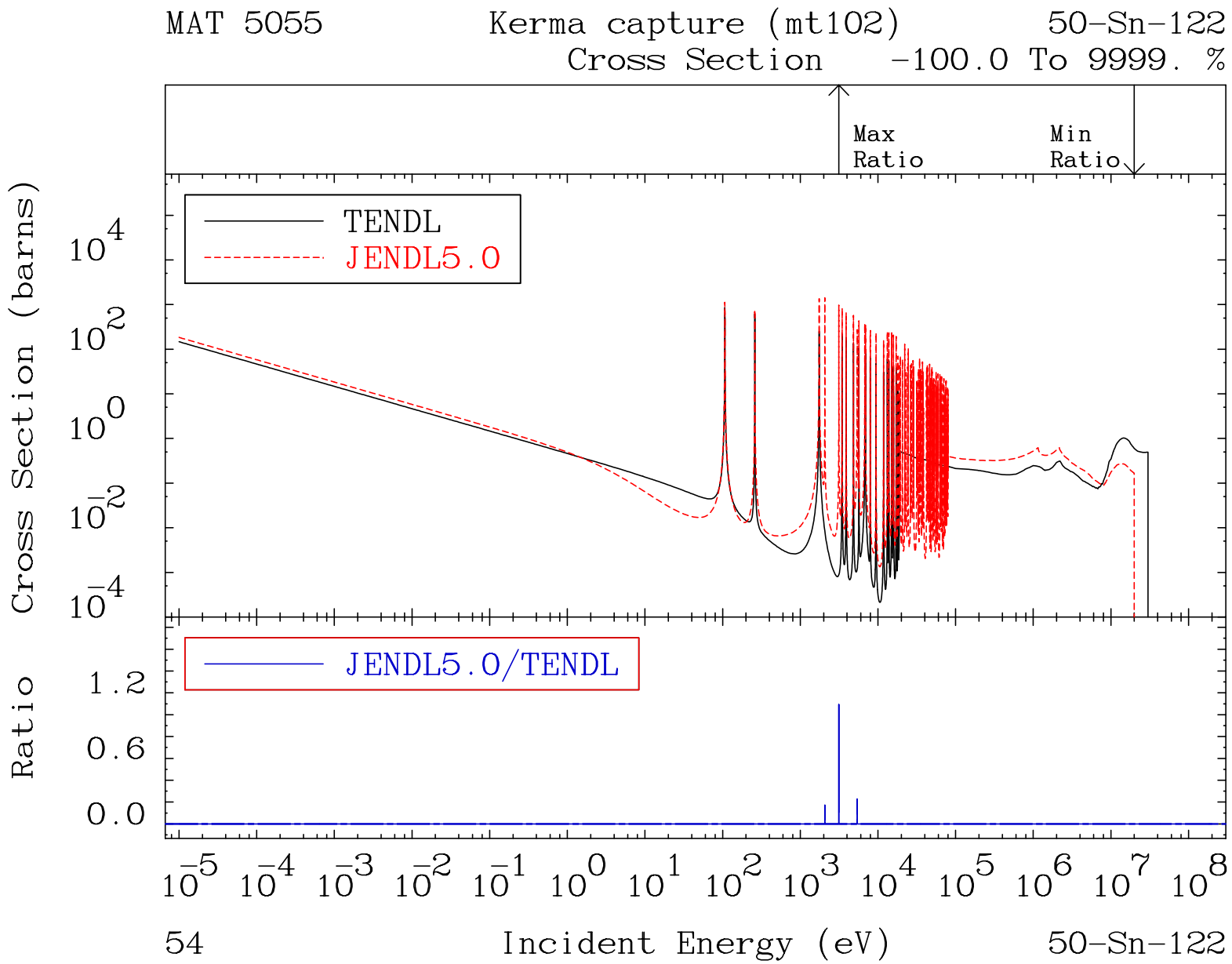

MAT 5055 Dpa disappearance (mt102 -120) 50-Sn-122
Cross Section -99.98 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
50-Sn-122

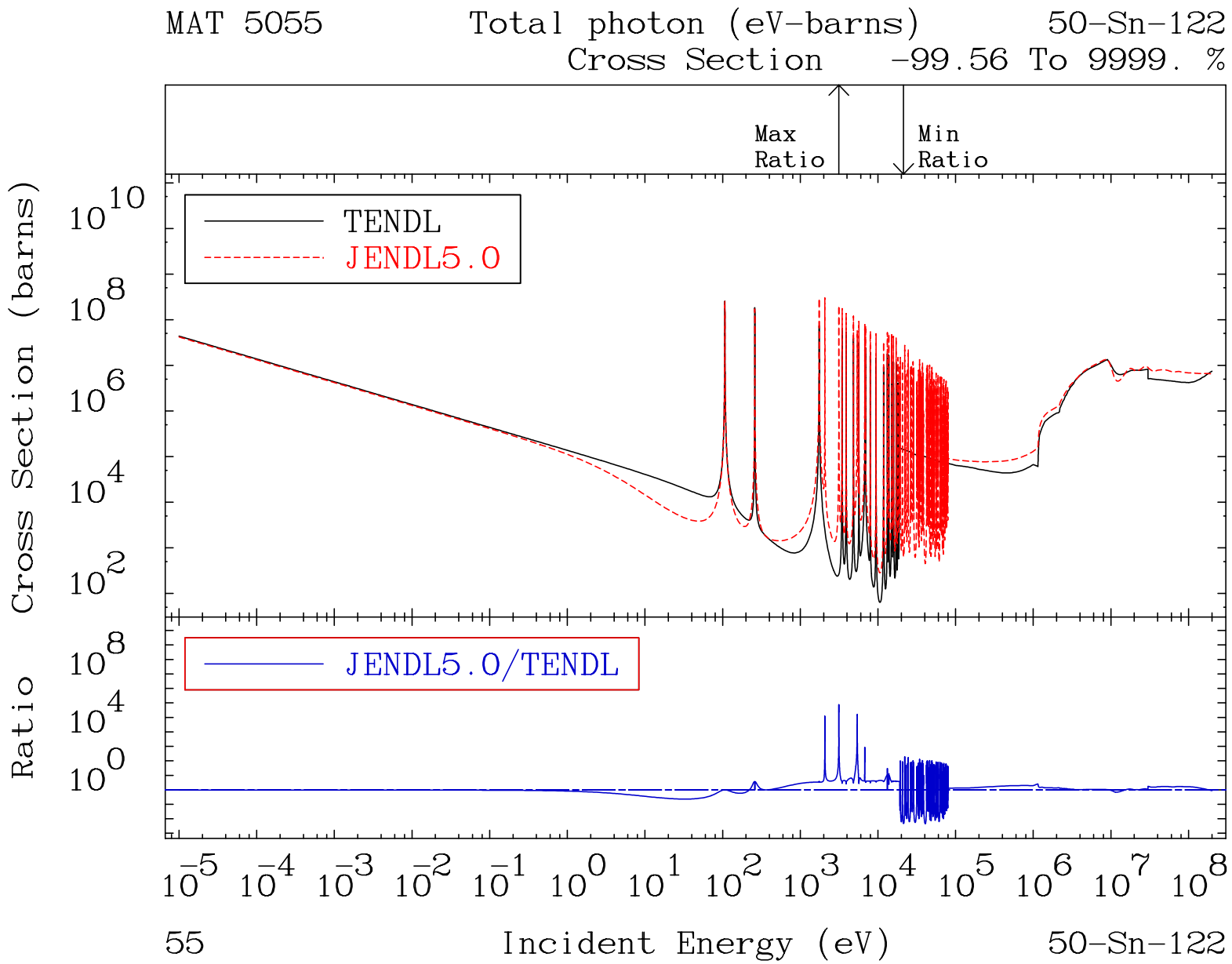

MAT 5055
Kerma elastic
Cross Section
50-Sn-122
-99.73 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
50-Sn-122

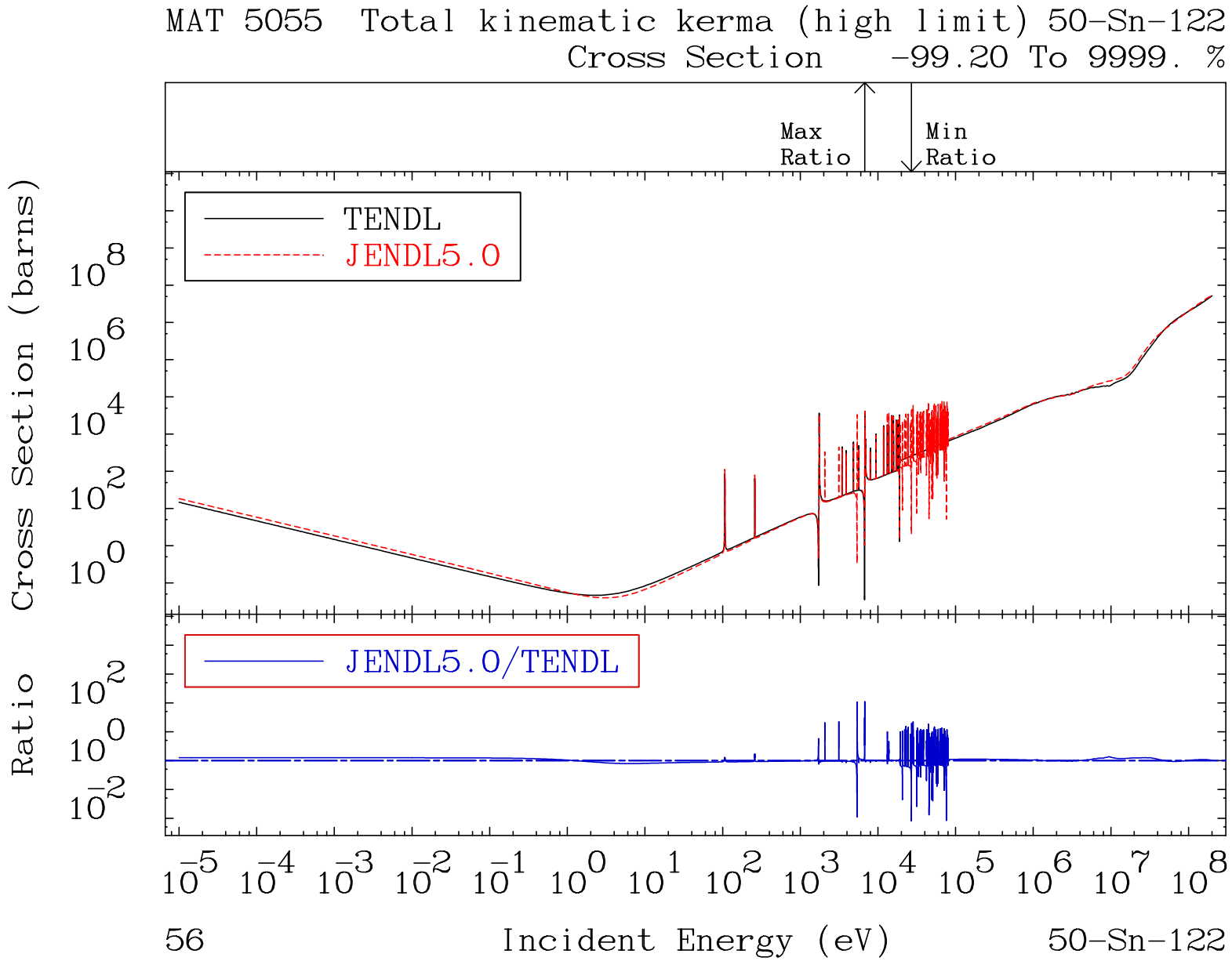

MAT 5055 Kerma non-elastic (all but mt2) 50-Sn-122
Cross Section -99.38 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
50-Sn-122

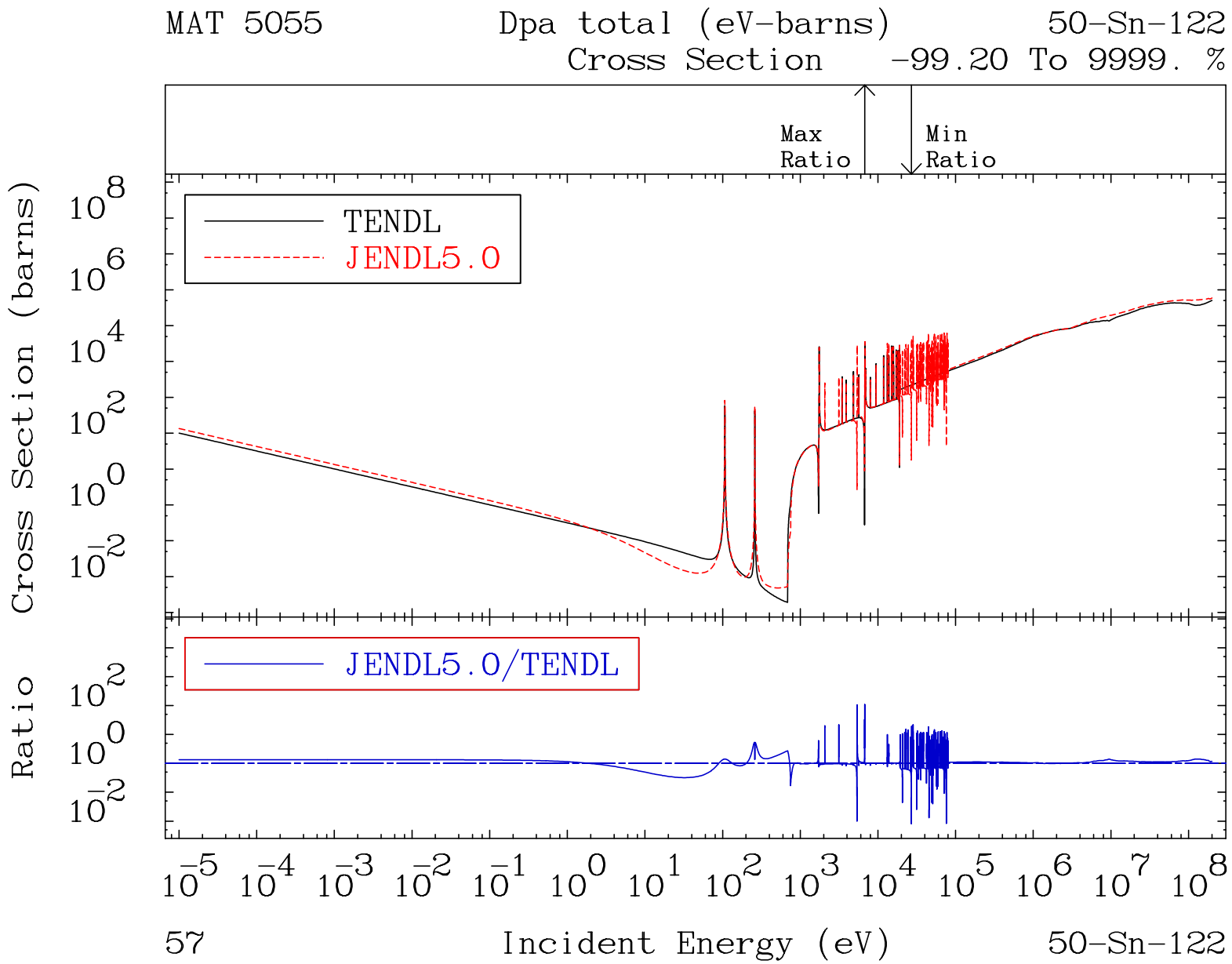

MAT 5055
Kerma inelastic (mt51-91)
50-Sn-122
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1499 MeV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
52
50-Sn-122

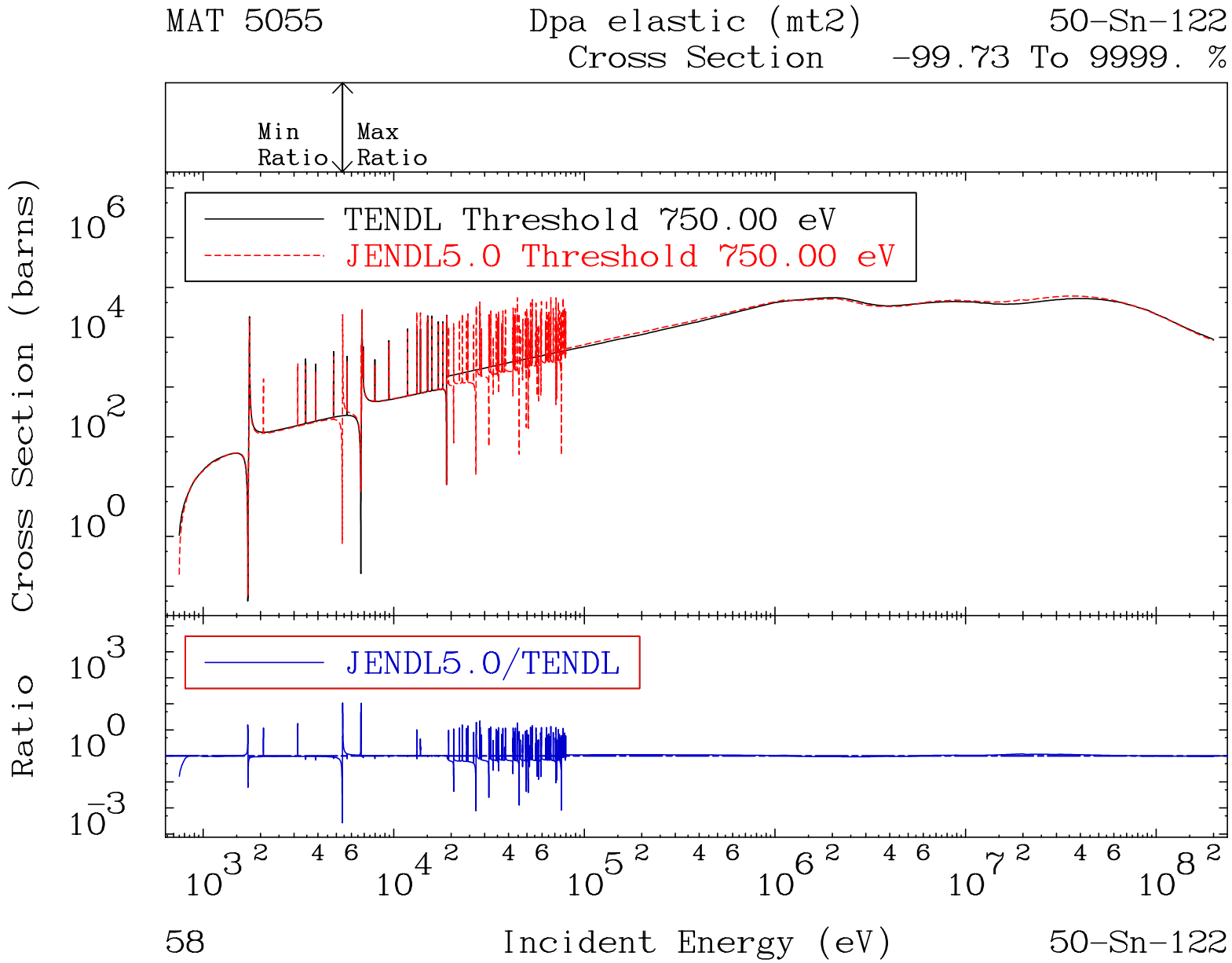

MAT 5055 Kerma fission (mt18 or mt19-20-21-38) 50-Sn-122
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
12
8
4
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
53
Incident Energy (eV)
50-Sn-122

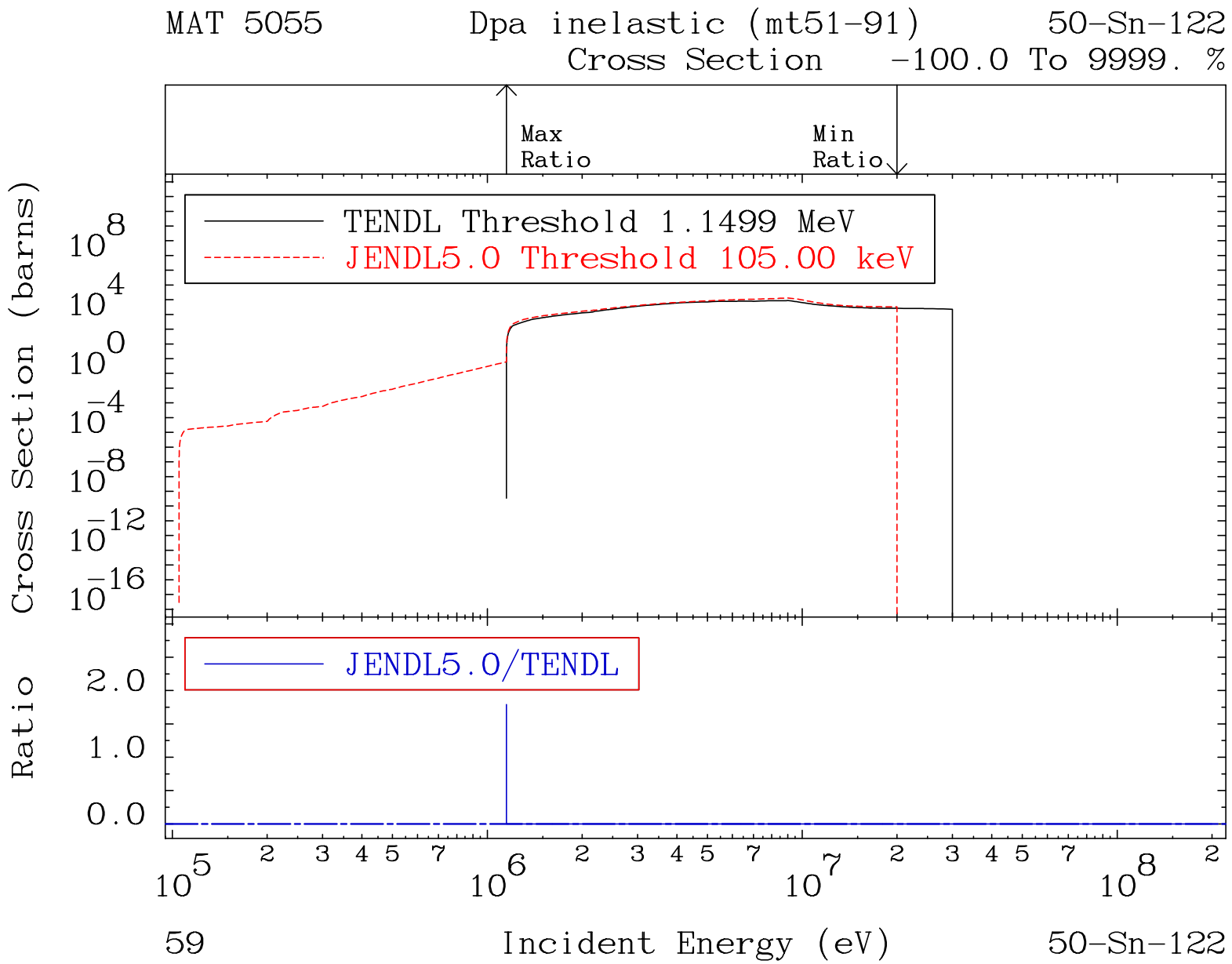

MAT 5055
Kerma capture (mt102)
50-Sn-122
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
54
50-Sn-122

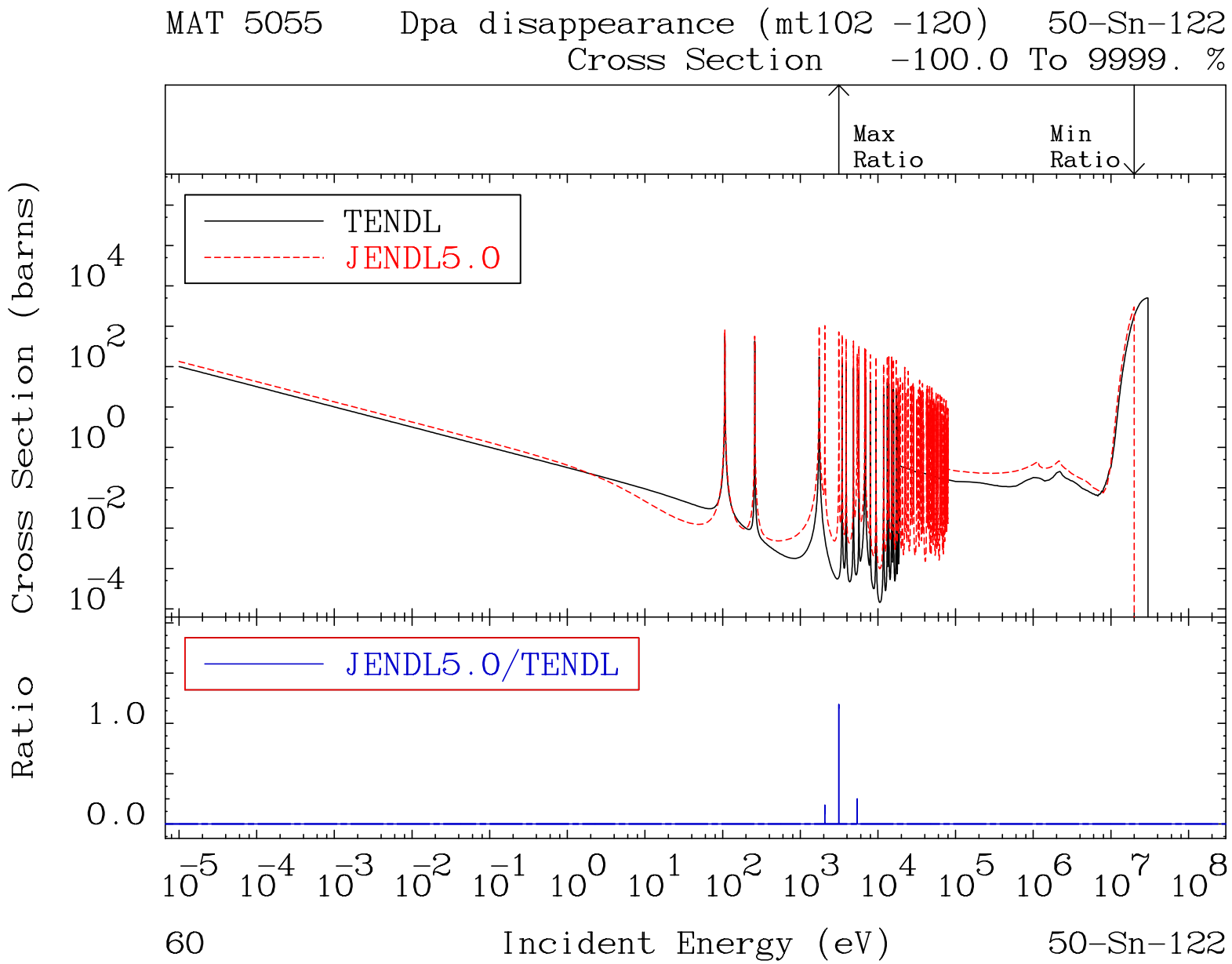

MAT 5055
Total photon (eV-barns)
50-Sn-122
Cross Section -99.56 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
50-Sn-122

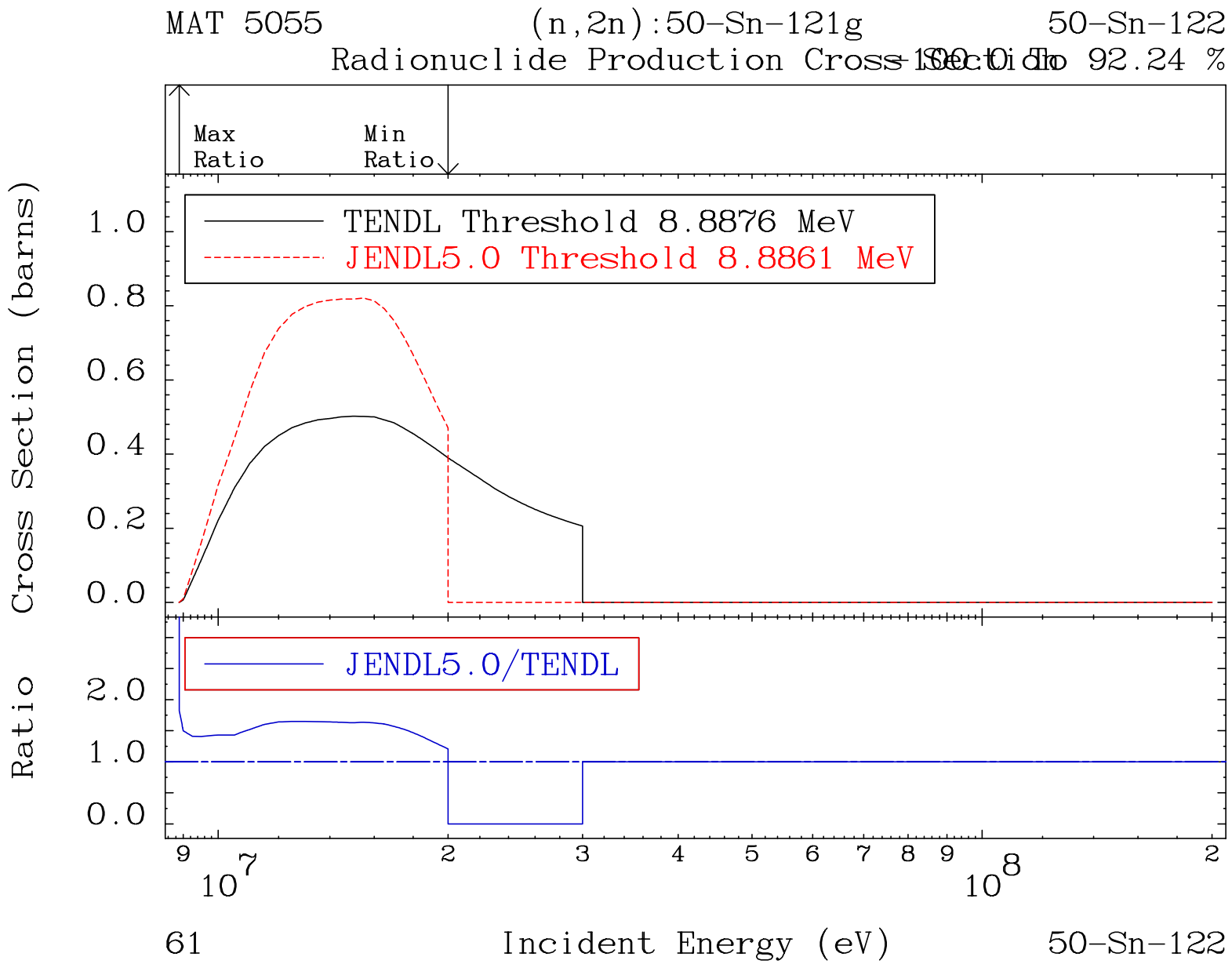

MAT 5055 Total kinematic kerma (high limit) 50-Sn-122
Cross Section -99.20 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
56
50-Sn-122

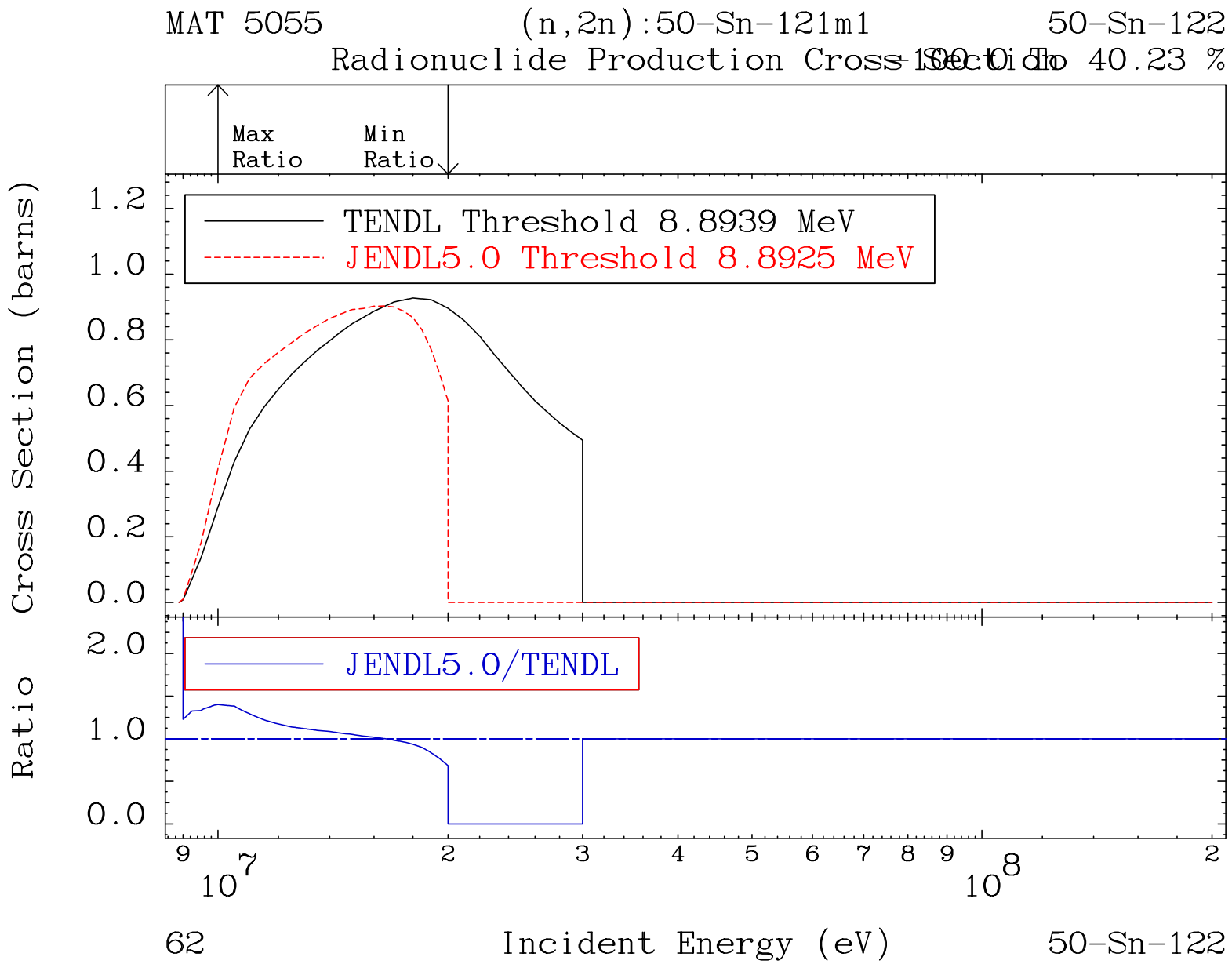

MAT 5055
Dpa total (eV-barns)
50-Sn-122
Cross Section -99.20 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
57
50-Sn-122

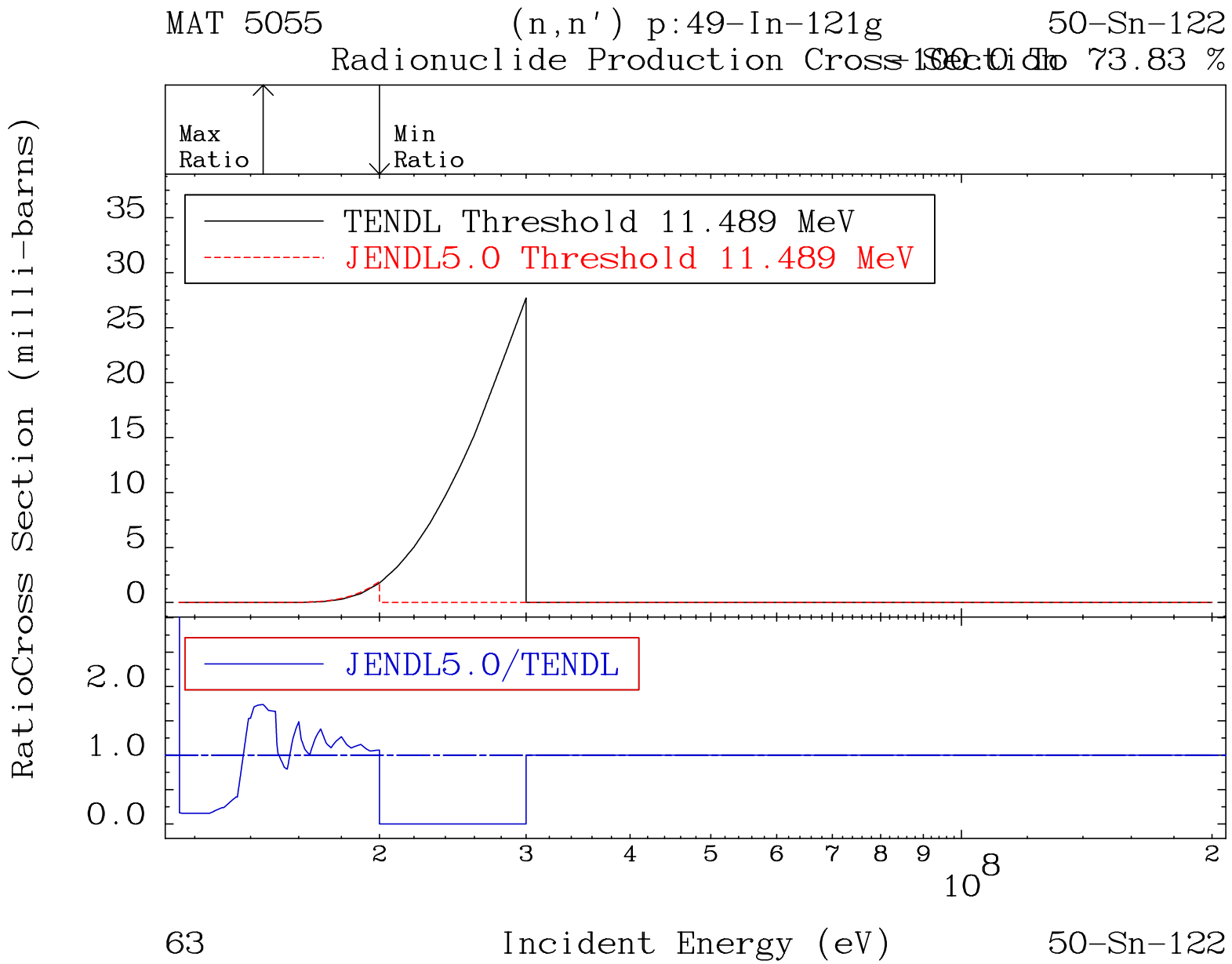

MAT 5055
Dpa elastic (mt2)
Cross Section
50-Sn-122
-99.73 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 750.00 eV
JENDL5.0 Threshold 750.00 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
50-Sn-122

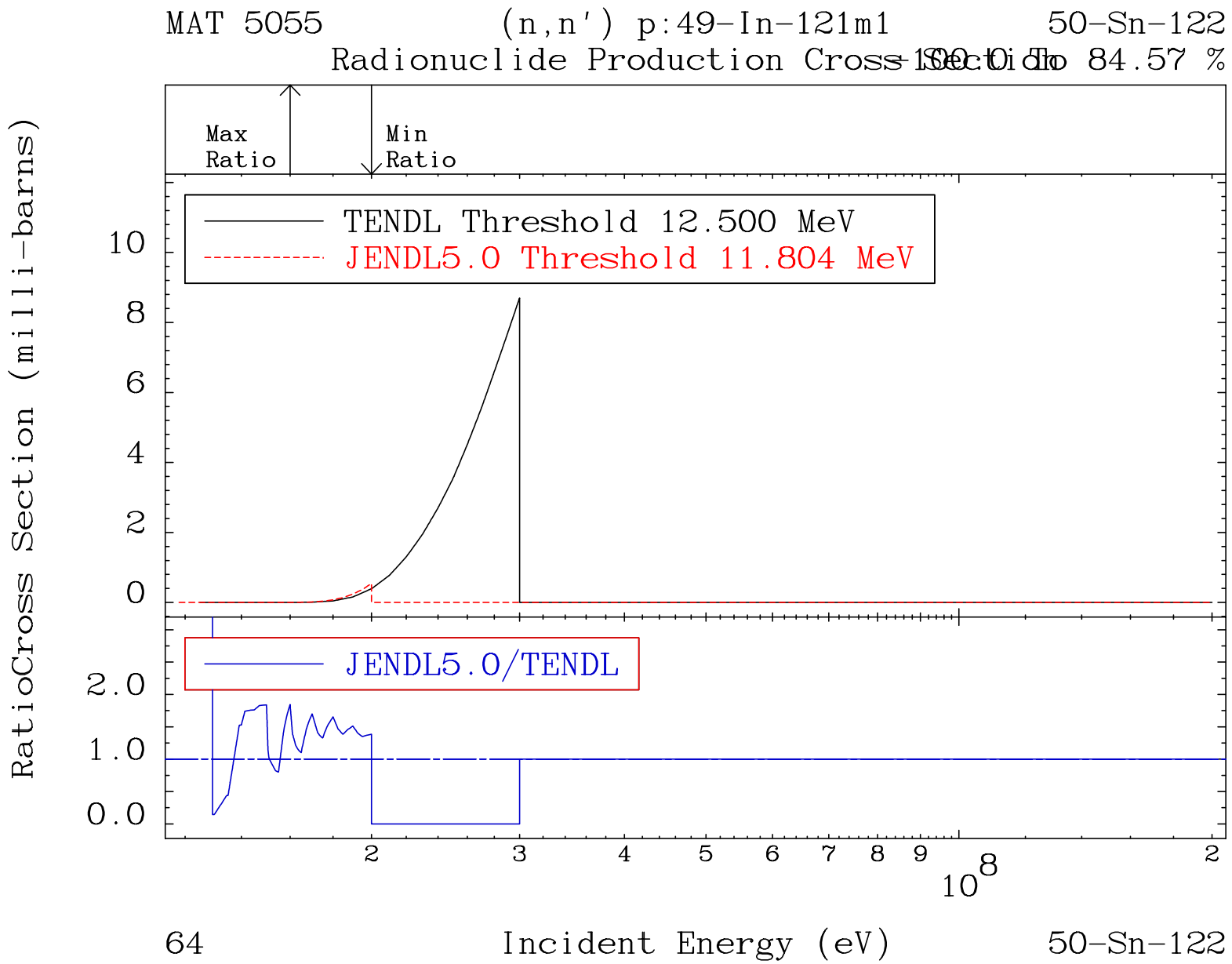

MAT 5055
Dpa inelastic (mt51-91)
50-Sn-122
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1499 MeV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
59
50-Sn-122

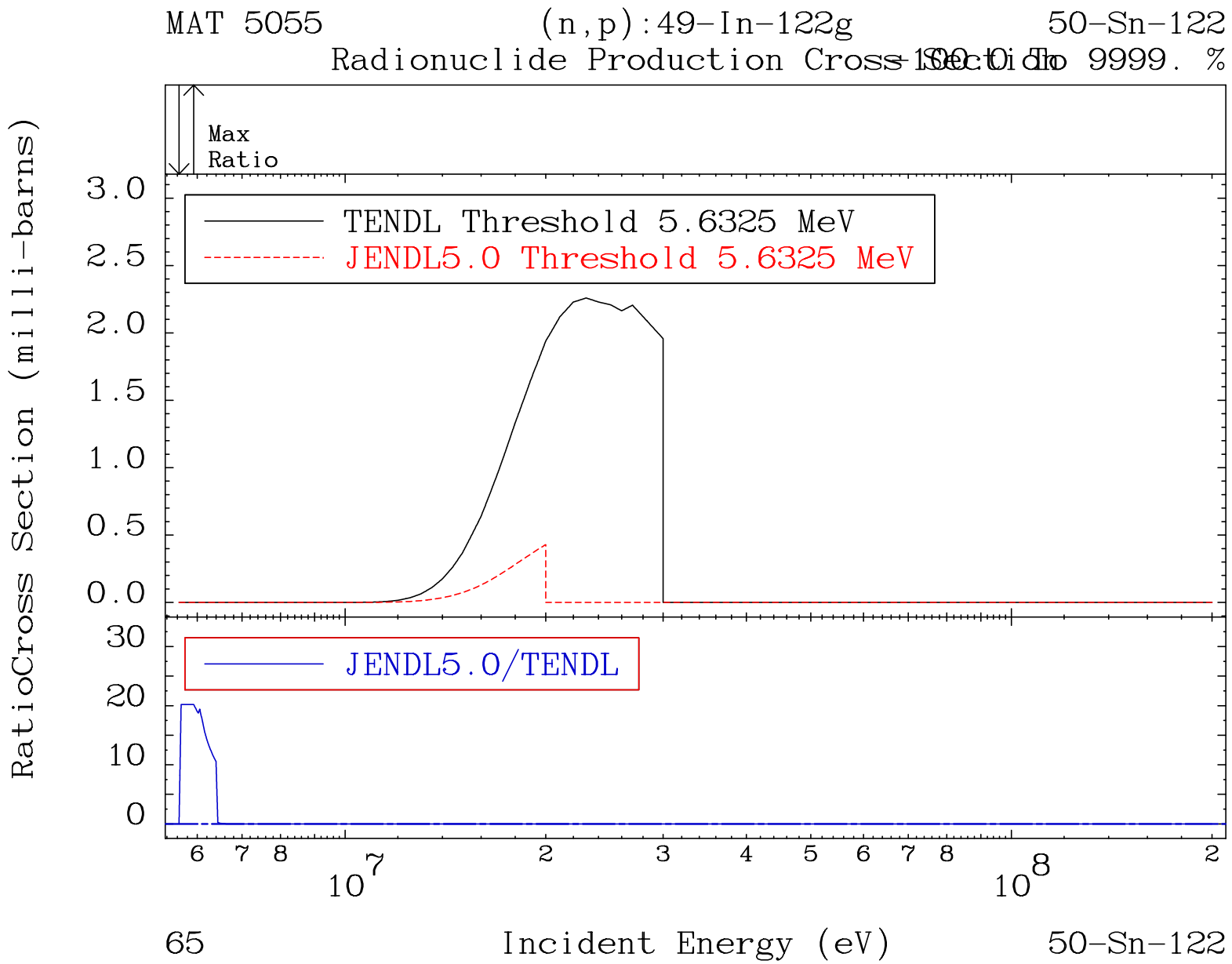

MAT 5055 Dpa disappearance (mt102 -120) 50-Sn-122
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
1.0
0.0
Incident Energy (eV)
60
50-Sn-122

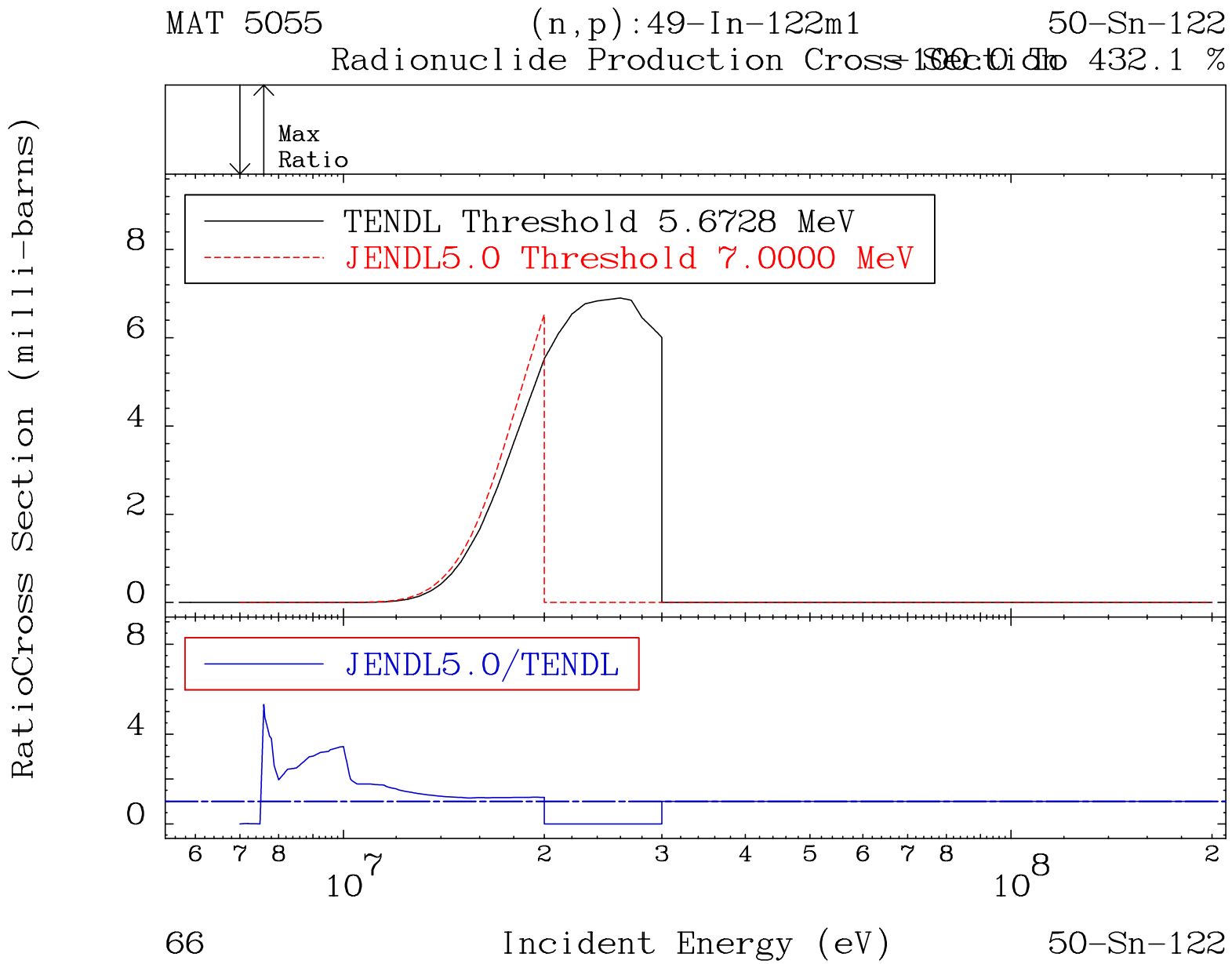

MAT 5055
(n,2n):50-Sn-121g
50-Sn-122
Radionuclide Production Cross Section To 92.24 %
Max Ratio
Min Ratio
TENDL Threshold 8.8876 MeV
JENDL5.0 Threshold 8.8861 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
61
Incident Energy (eV)
50-Sn-122

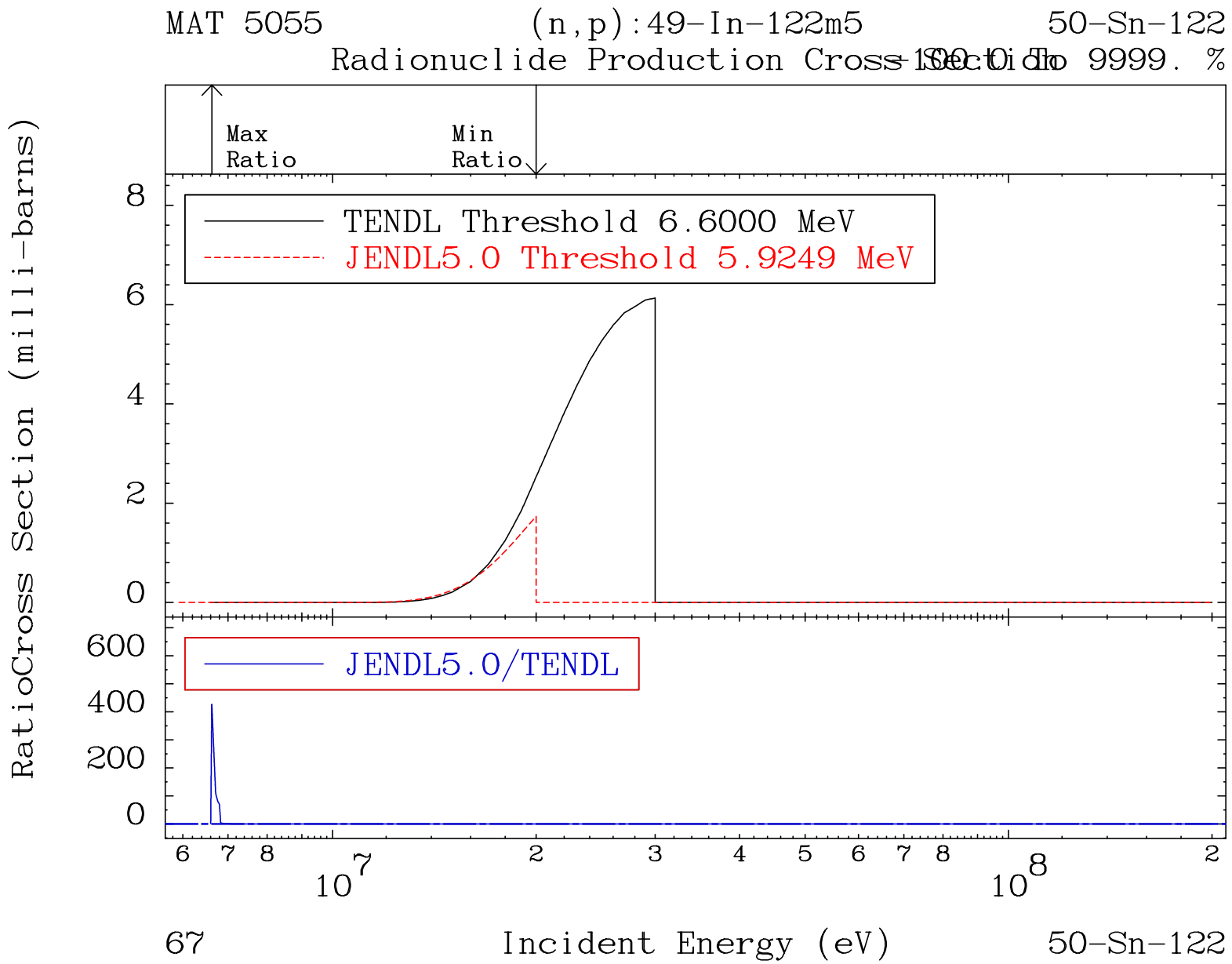

MAT 5055
(n,2n):50-Sn-121m1
50-Sn-122
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 8.8939 MeV
JENDL5.0 Threshold 8.8925 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
50-Sn-122

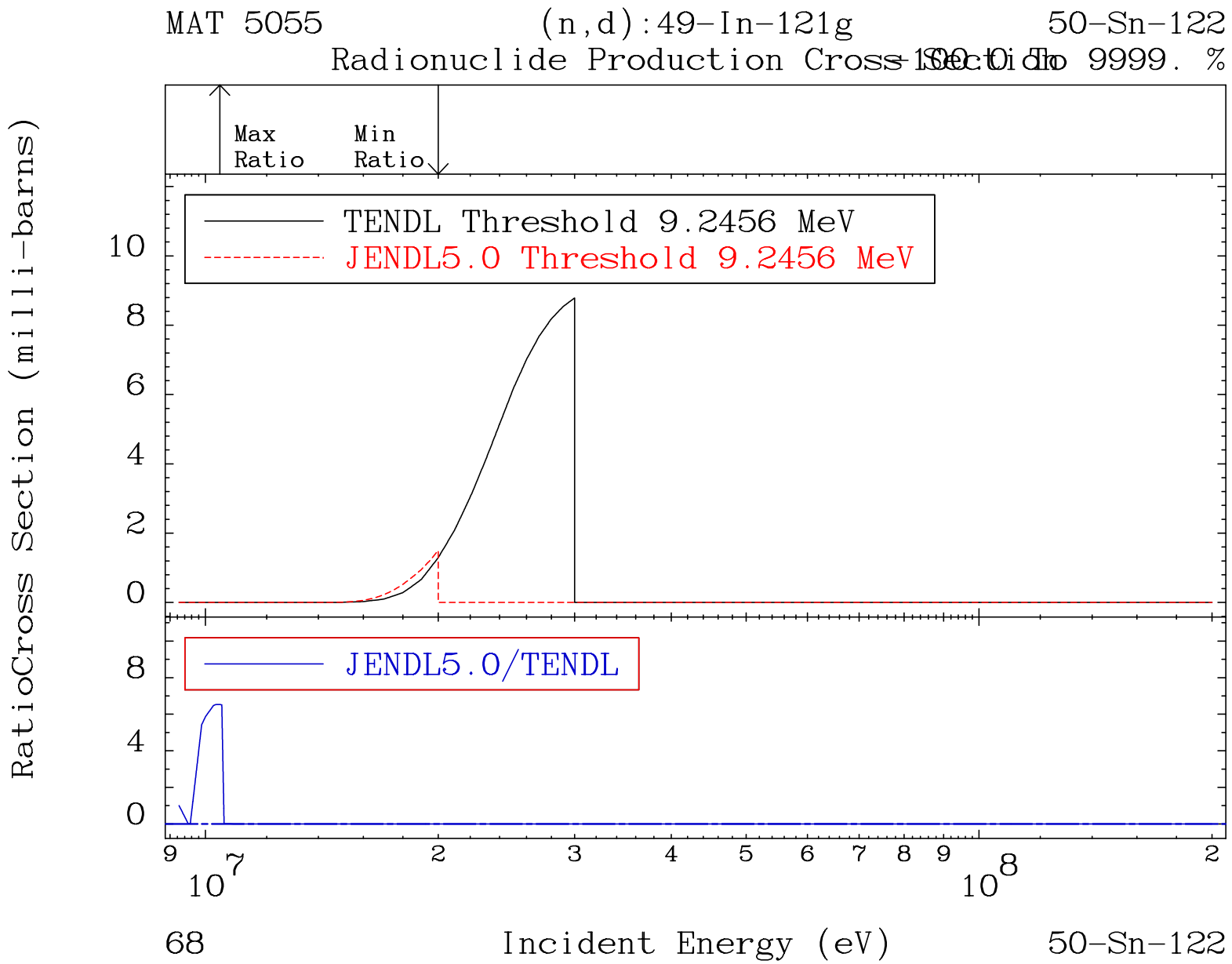

MAT 5055
(n,n') p:49-In-121g
50-Sn-122
Radionuclide Production Cross Section To 73.83 %
Max Ratio
Min Ratio
TENDL Threshold 11.489 MeV
JENDL5.0 Threshold 11.489 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
63
Incident Energy (eV)
50-Sn-122

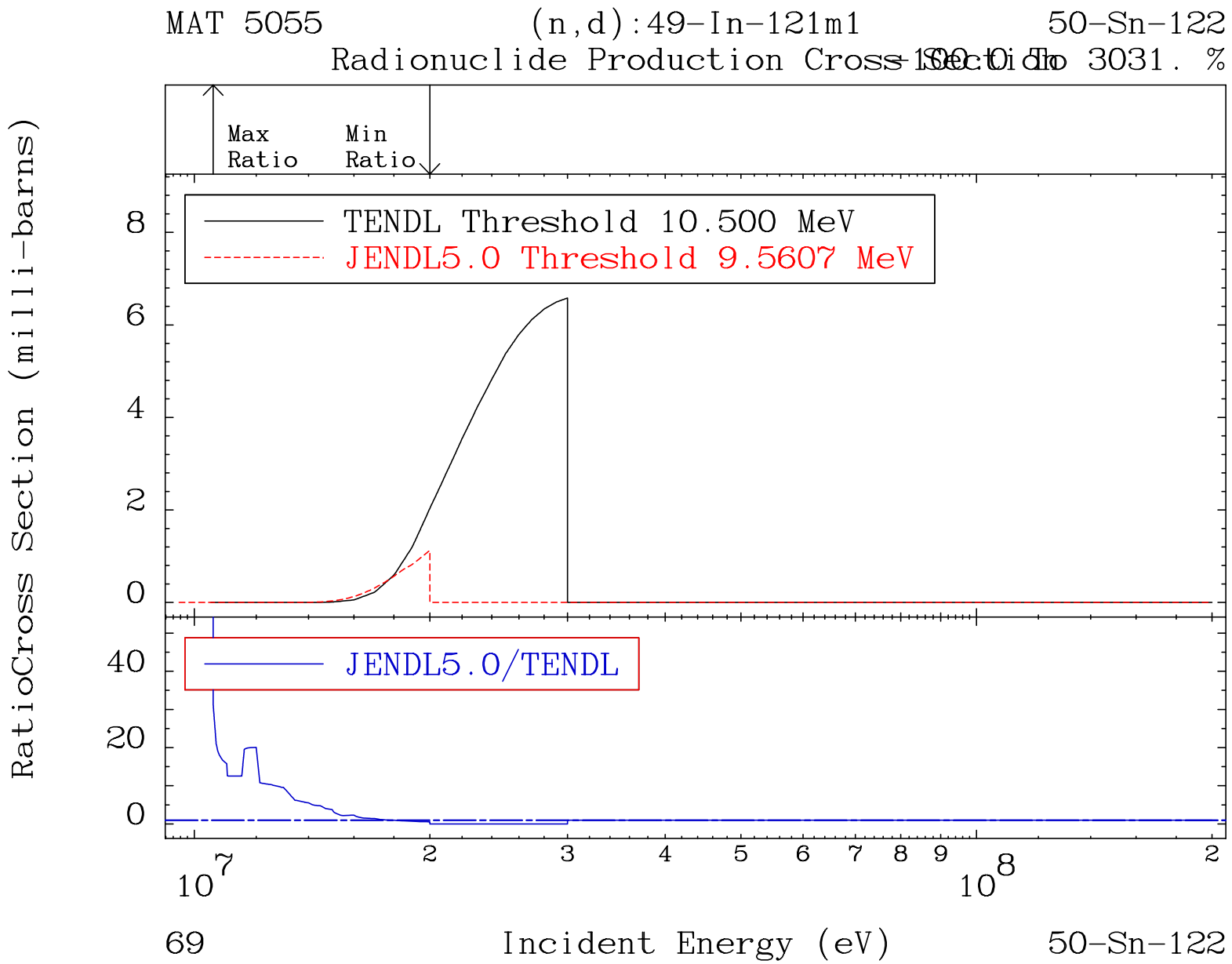

MAT 5055
(n,n') p:49-In-121m1
50-Sn-122
Radionuclide Production Cross Section To 84.57 %
Max Ratio
Min Ratio
TENDL Threshold 12.500 MeV
JENDL5.0 Threshold 11.804 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
64
Incident Energy (eV)
50-Sn-122

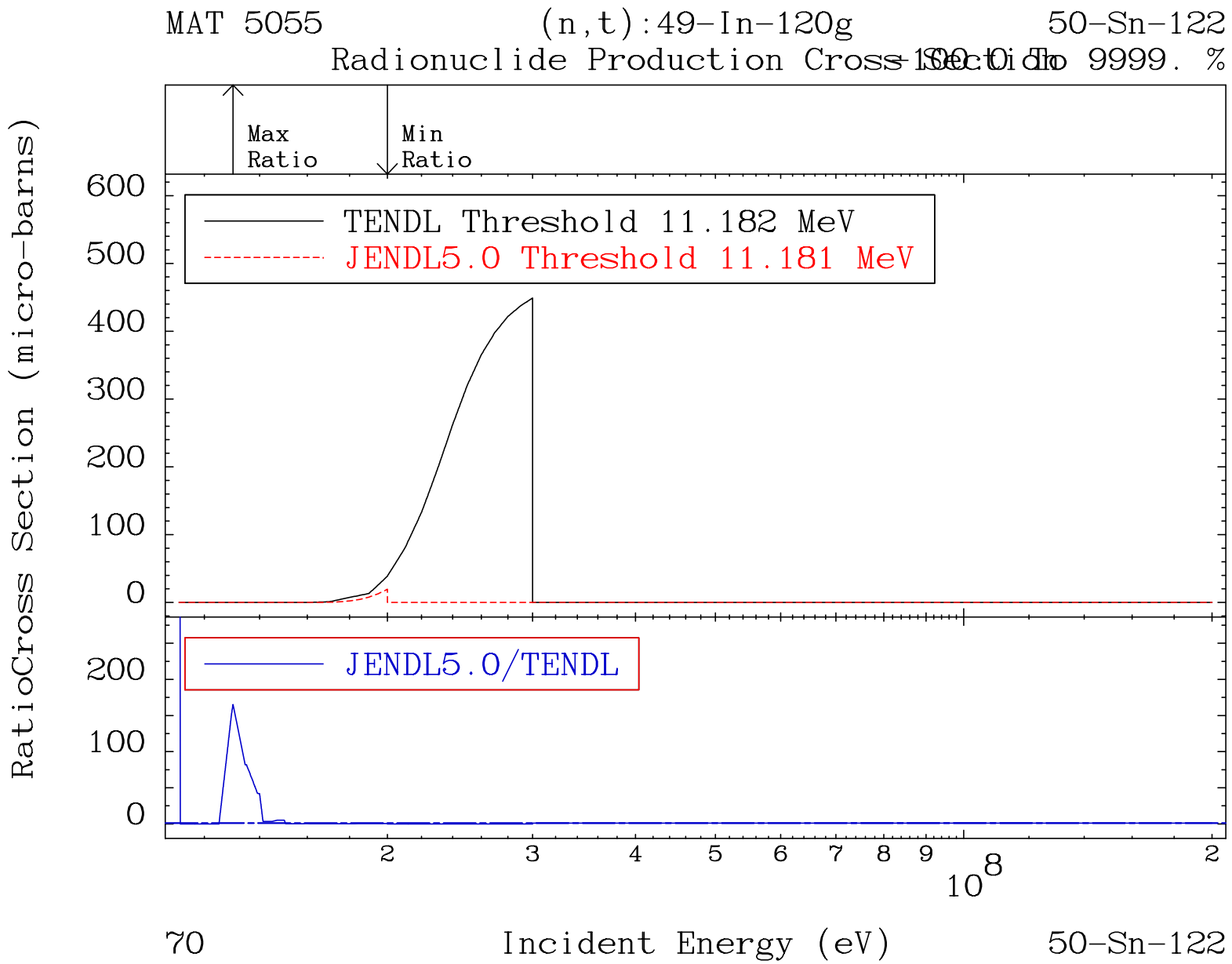

MAT 5055
(n,p):49-In-122g
50-Sn-122
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 5.6325 MeV
JENDL5.0 Threshold 5.6325 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
65
50-Sn-122

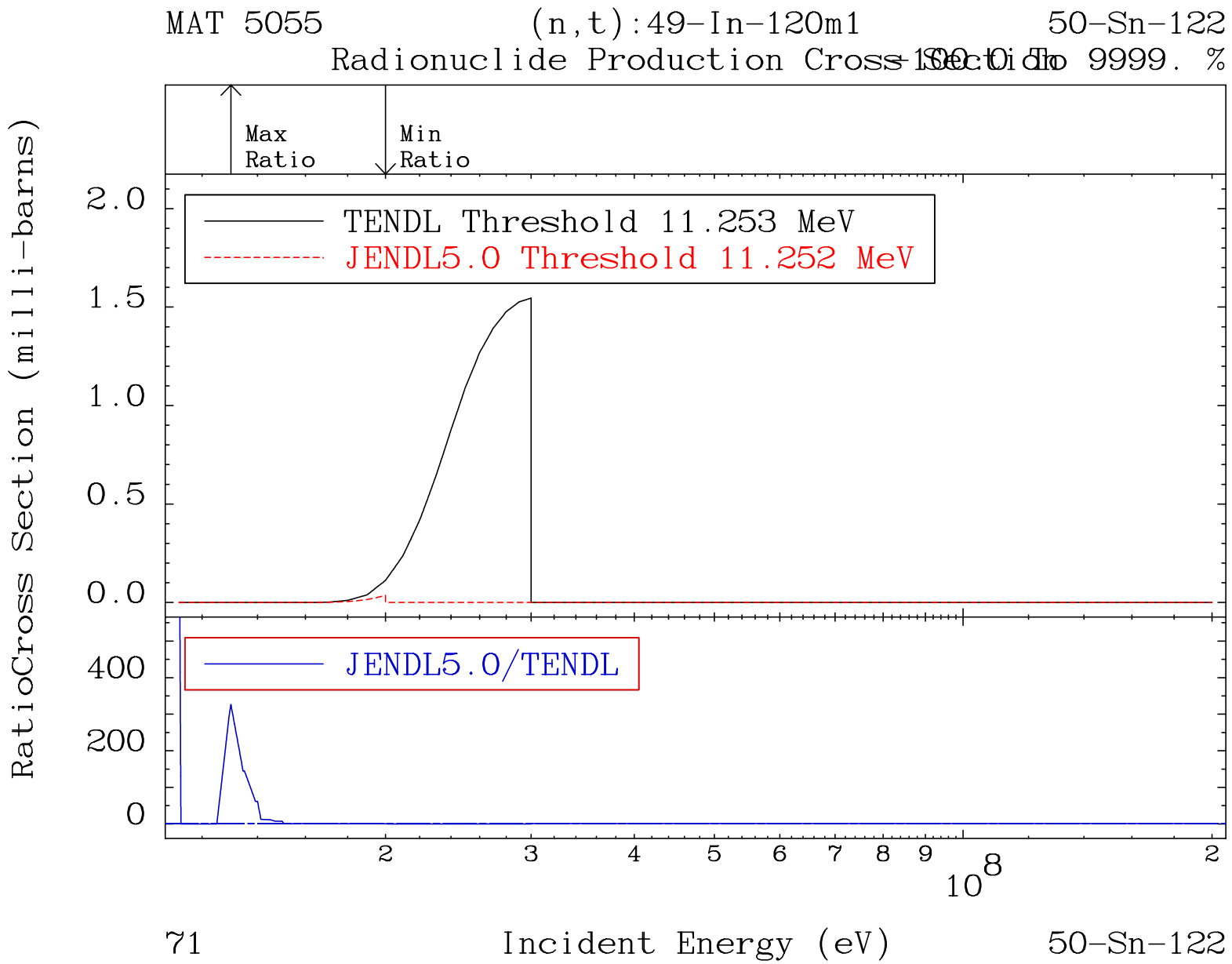

MAT 5055
(n,p):49-In-122m1
50-Sn-122
Radionuclide Production Cross Section
Max Ratio
TENDL Threshold 5.6728 MeV
JENDL5.0 Threshold 7.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
66
50-Sn-122

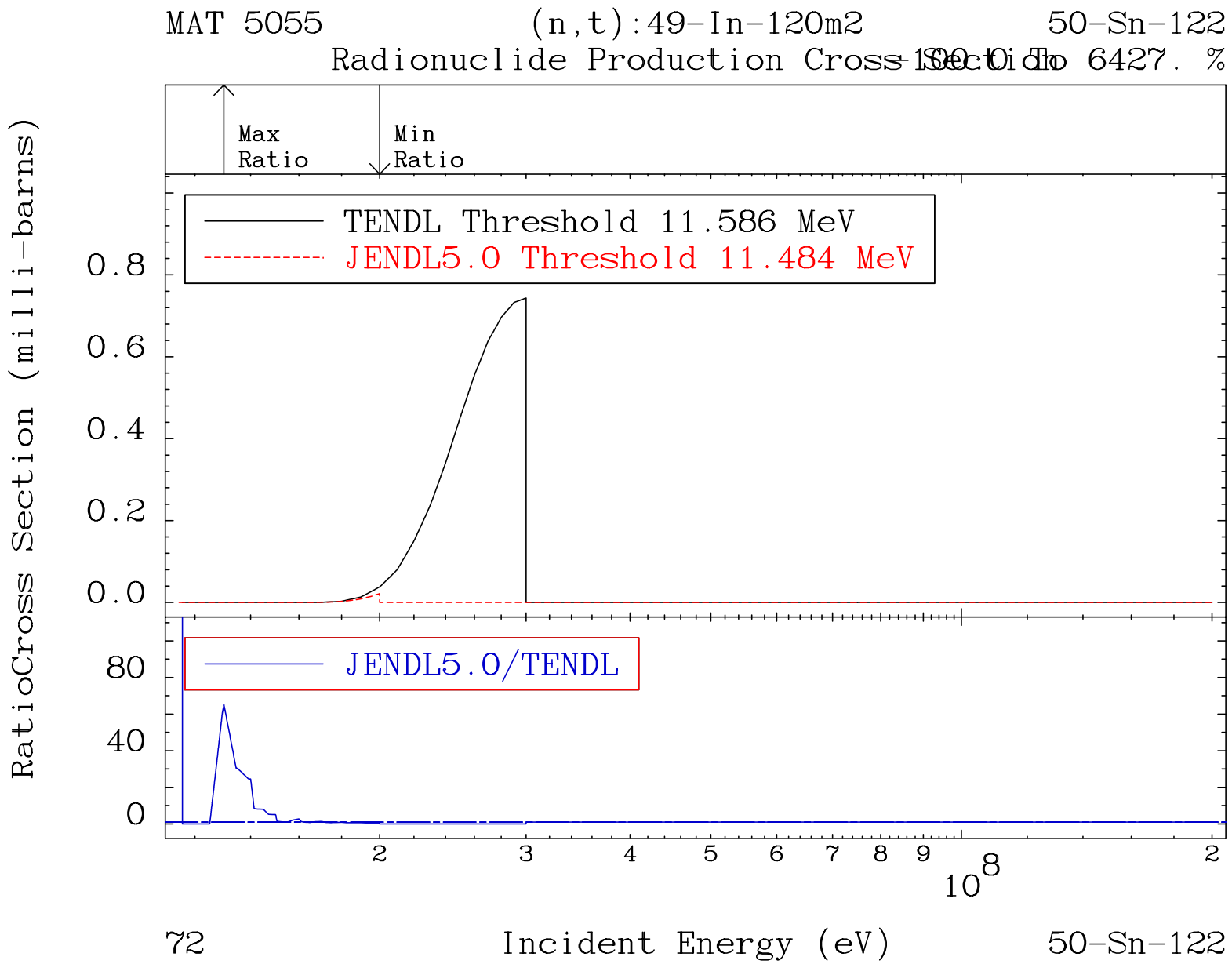

MAT 5055
(n,p):49-In-122m5
50-Sn-122
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 6.6000 MeV
JENDL5.0 Threshold 5.9249 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
67
50-Sn-122

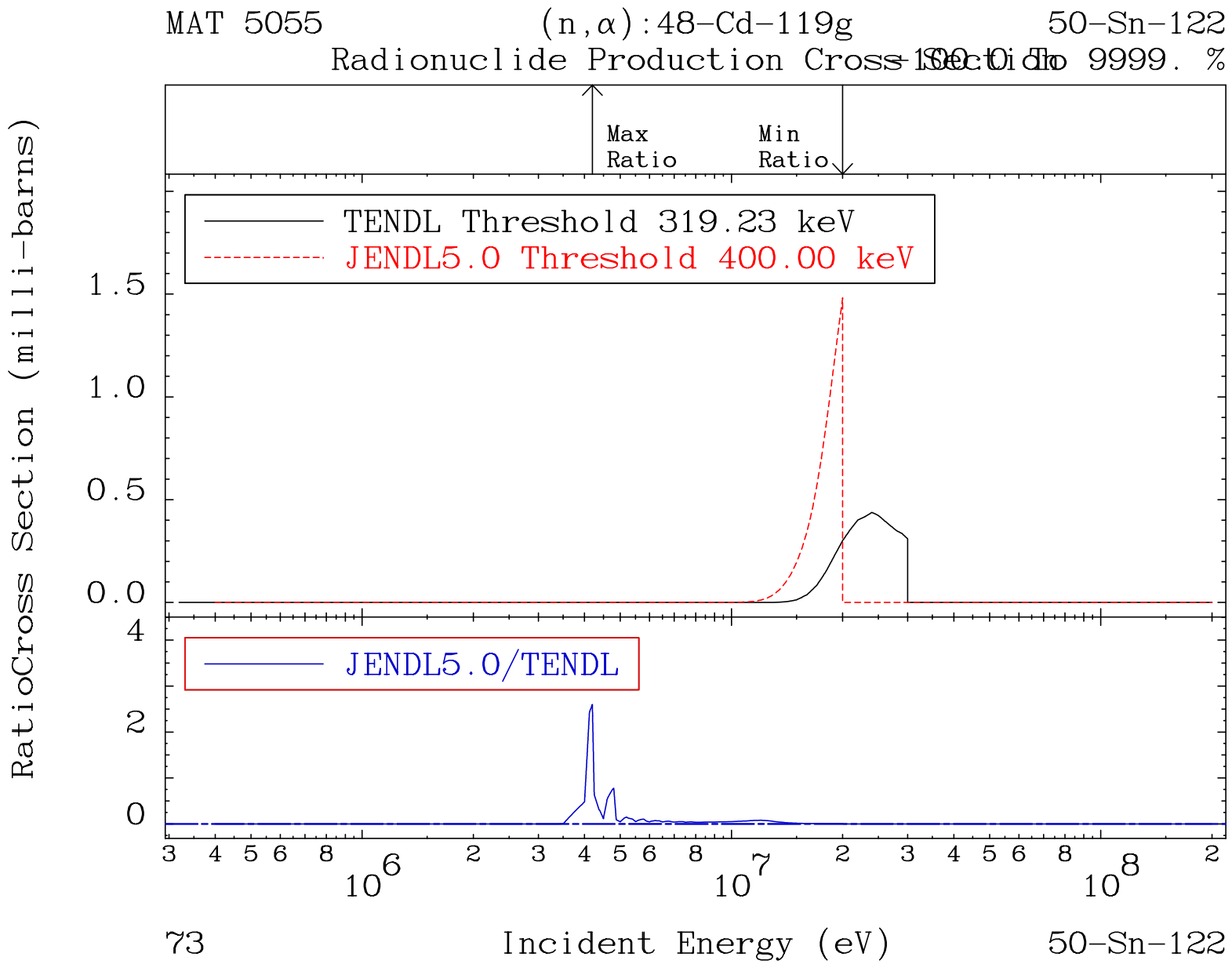

MAT 5055
(n,d):49-In-121g
50-Sn-122
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 9.2456 MeV
JENDL5.0 Threshold 9.2456 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
68
50-Sn-122

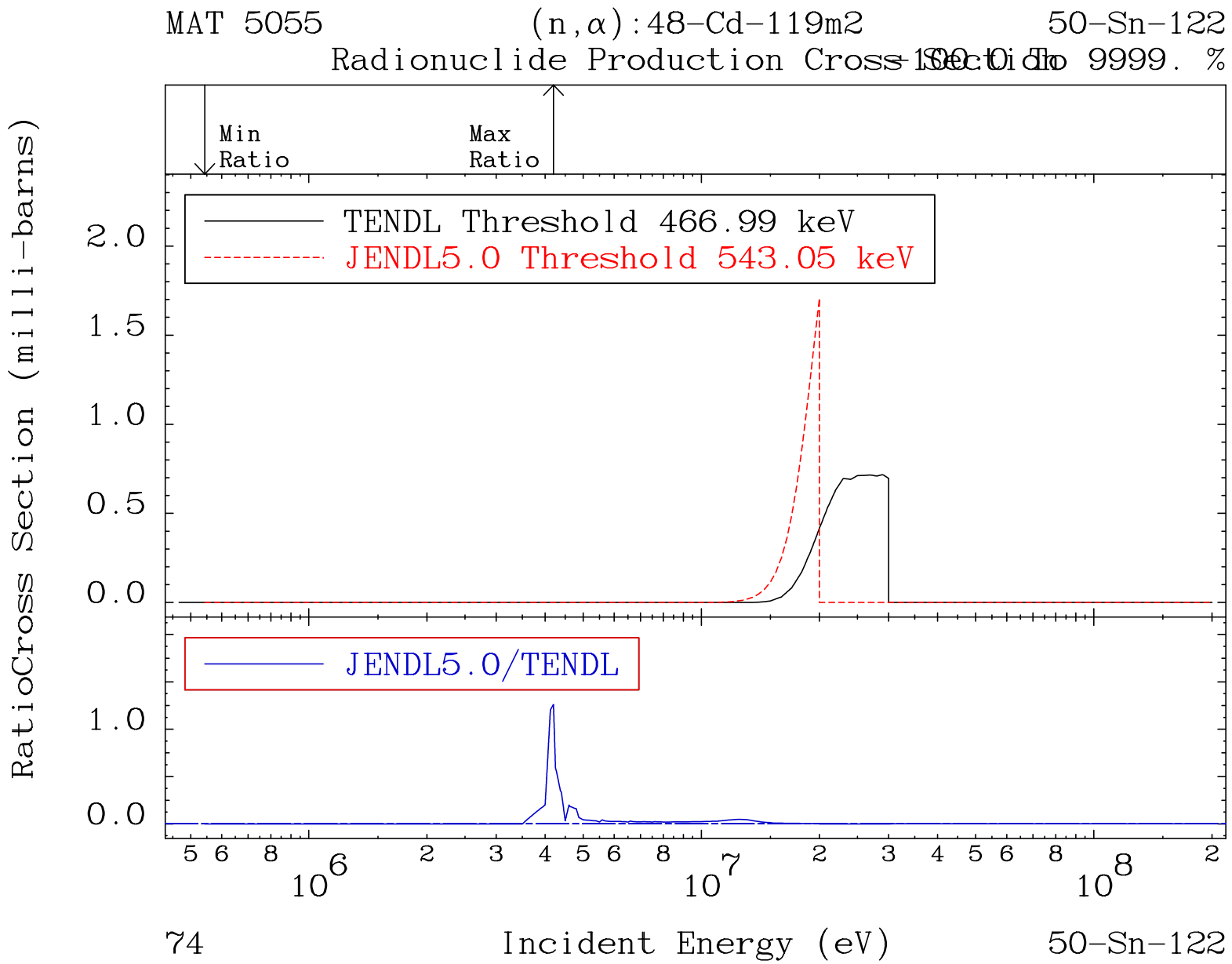

MAT 5055
(n,d):49-In-121m1
50-Sn-122
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 10.500 MeV
JENDL5.0 Threshold 9.5607 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
69
50-Sn-122


MAT 5055
(n,t):49-In-120g
50-Sn-122
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 11.182 MeV
JENDL5.0 Threshold 11.181 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
200
100
0
2
3
4
5
6
7
8
9
2
10^8
70
Incident Energy (eV)
50-Sn-122


MAT 5055
(n,t):49-In-120m1
50-Sn-122
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 11.253 MeV
JENDL5.0 Threshold 11.252 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
71
50-Sn-122


MAT 5055
(n,t):49-In-120m2
50-Sn-122
Radionuclide Production Cross Section To 6427. %
Max Ratio
Min Ratio
TENDL Threshold 11.586 MeV
JENDL5.0 Threshold 11.484 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0.8
0.6
0.4
0.2
0.0
80
40
0
2
3
4
5
6
7
8
9
2
10^8
72
Incident Energy (eV)
50-Sn-122


MAT 5055
(n,α):48-Cd-119g
50-Sn-122
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 319.23 keV
JENDL5.0 Threshold 400.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.5
1.0
0.5
0.0
4
2
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
73
Incident Energy (eV)
50-Sn-122


MAT 5055
(n,α):48-Cd-119m2
50-Sn-122
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 466.99 keV
JENDL5.0 Threshold 543.05 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
74
Incident Energy (eV)
50-Sn-122