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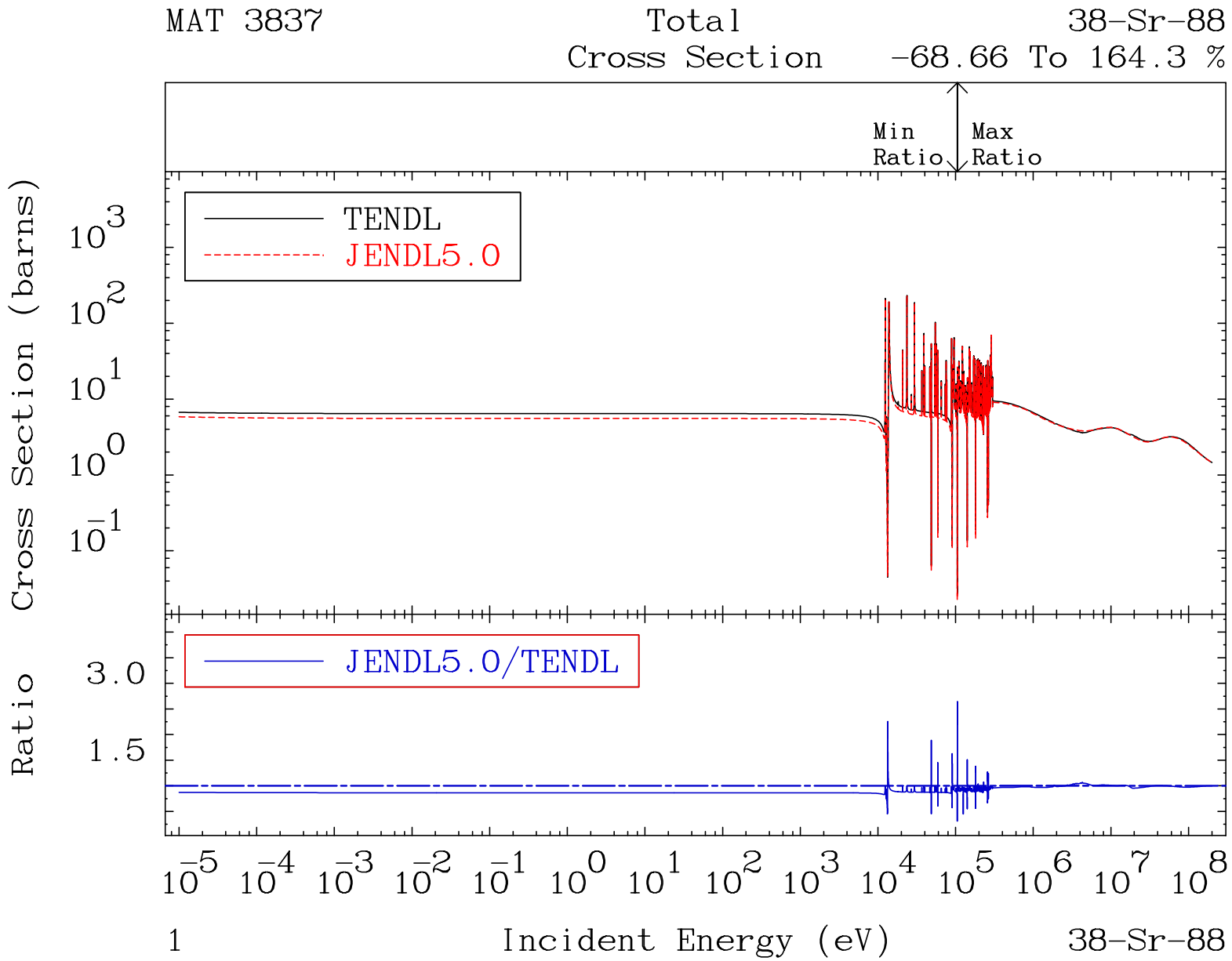
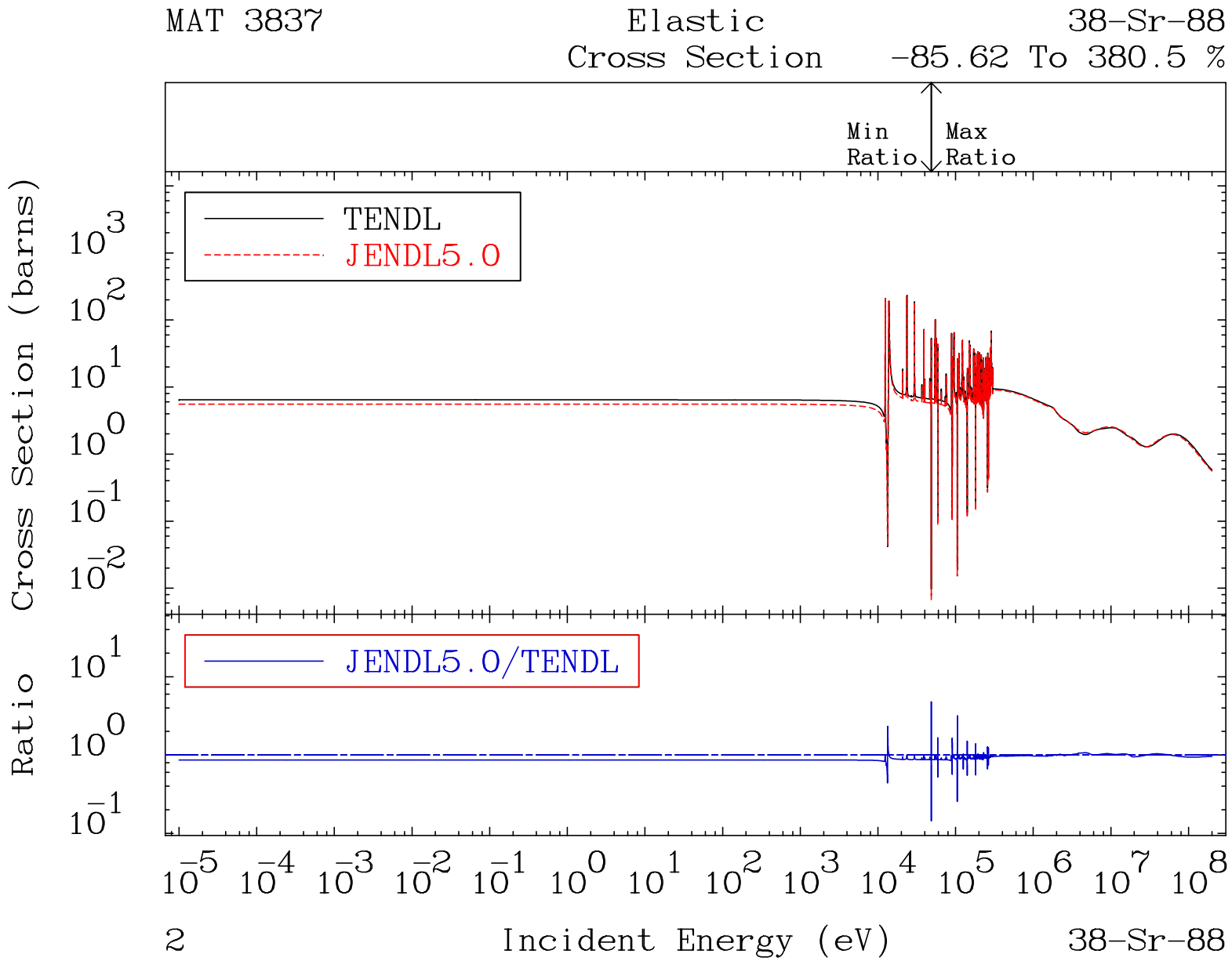
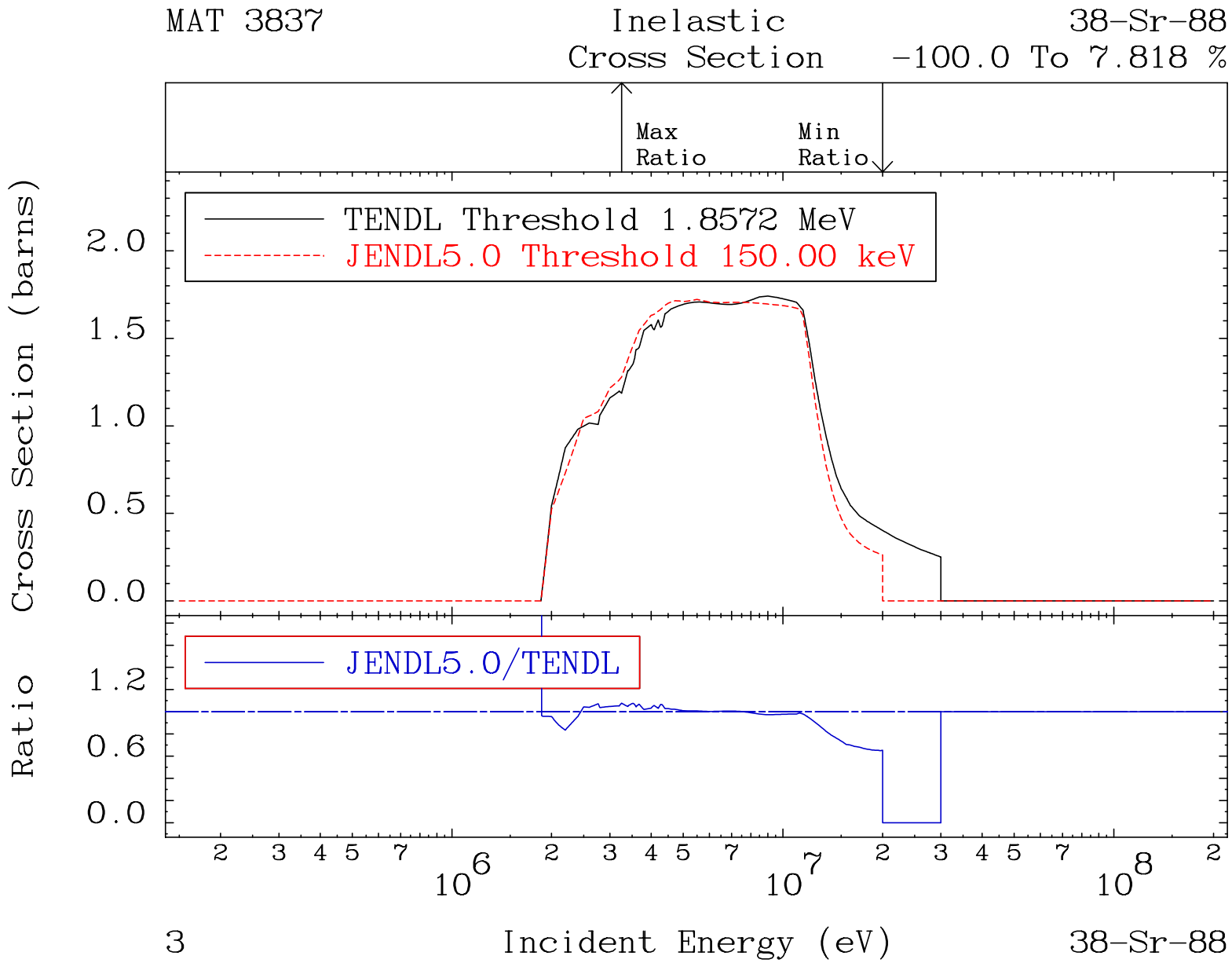
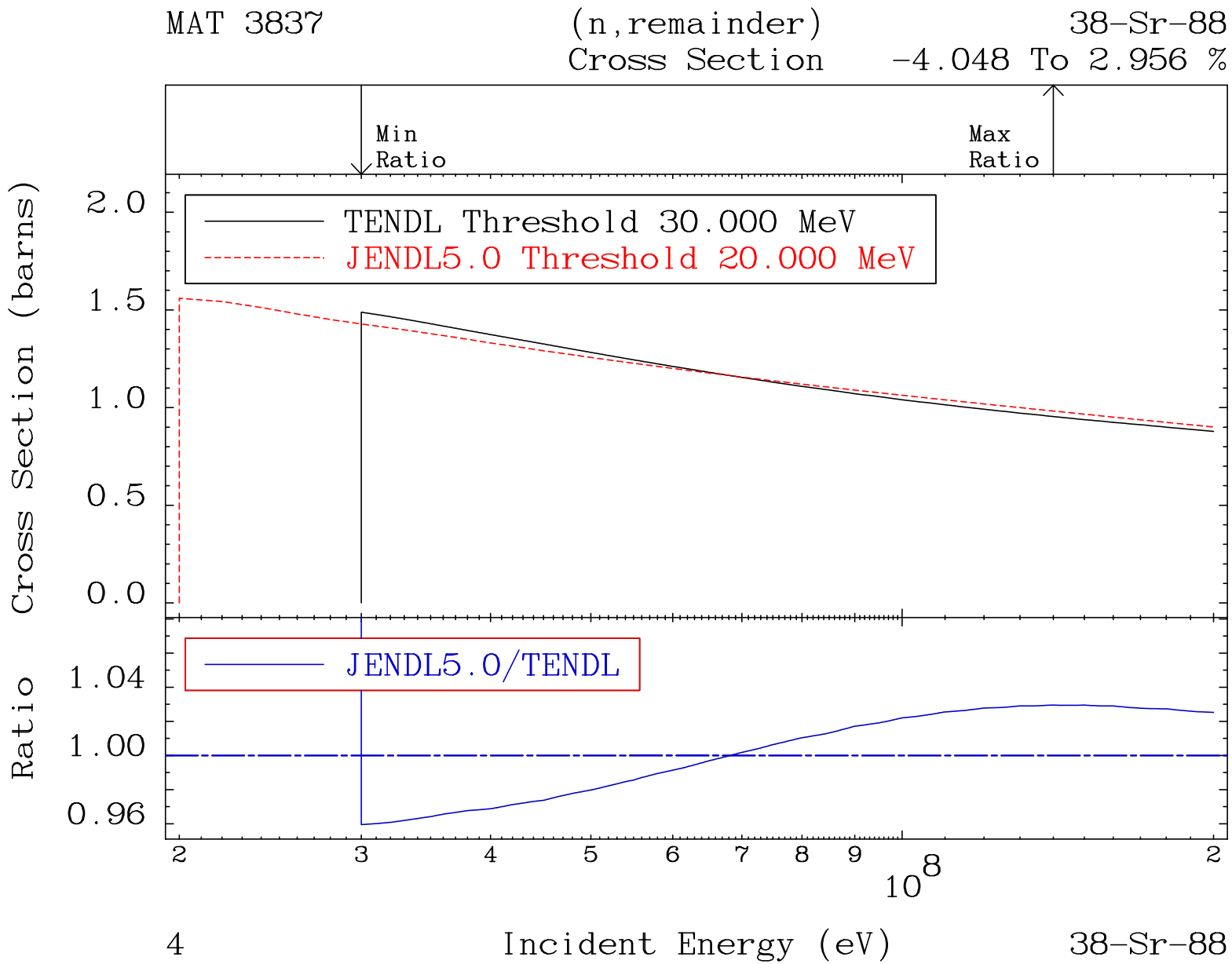
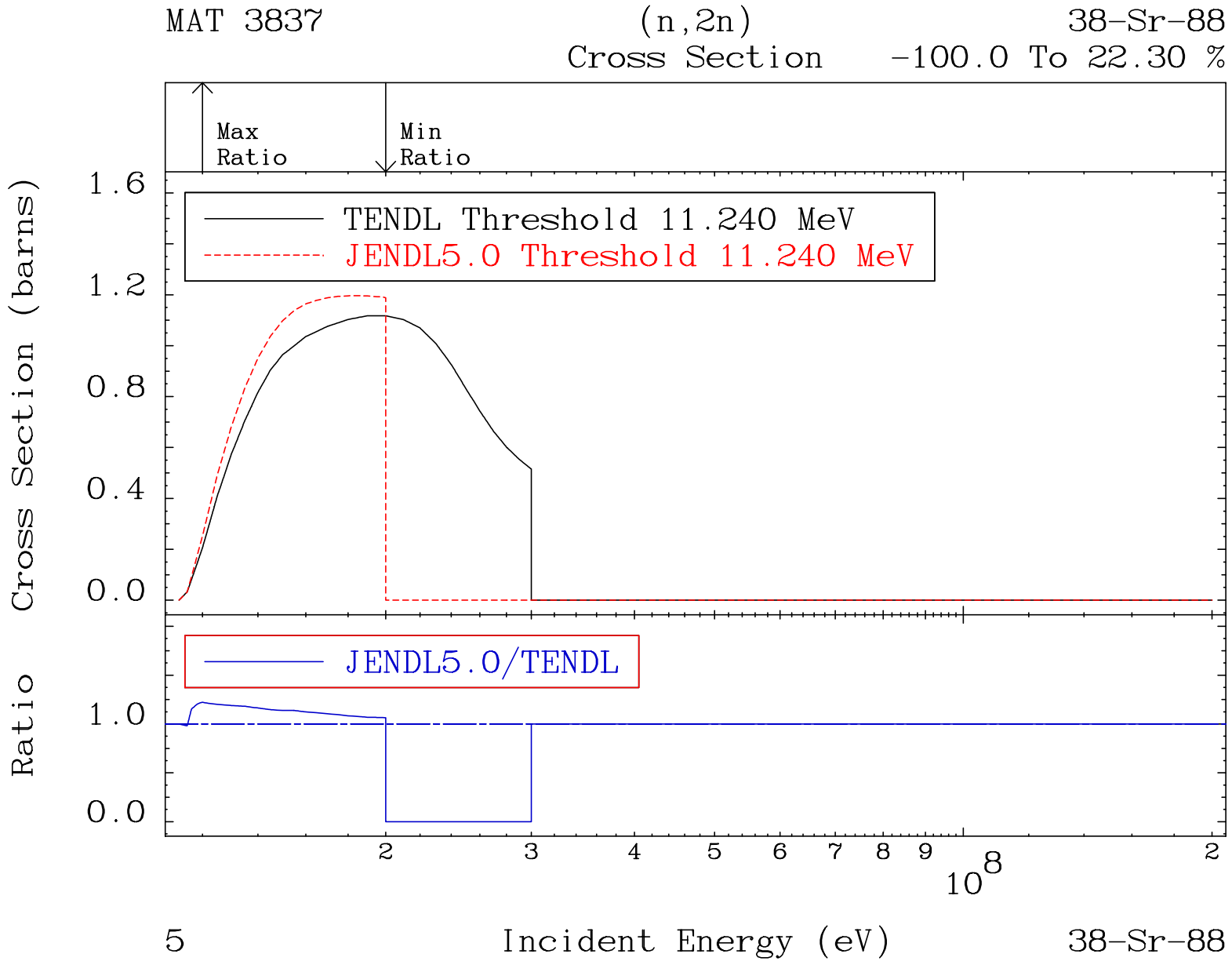
Press Mouse Button to Start

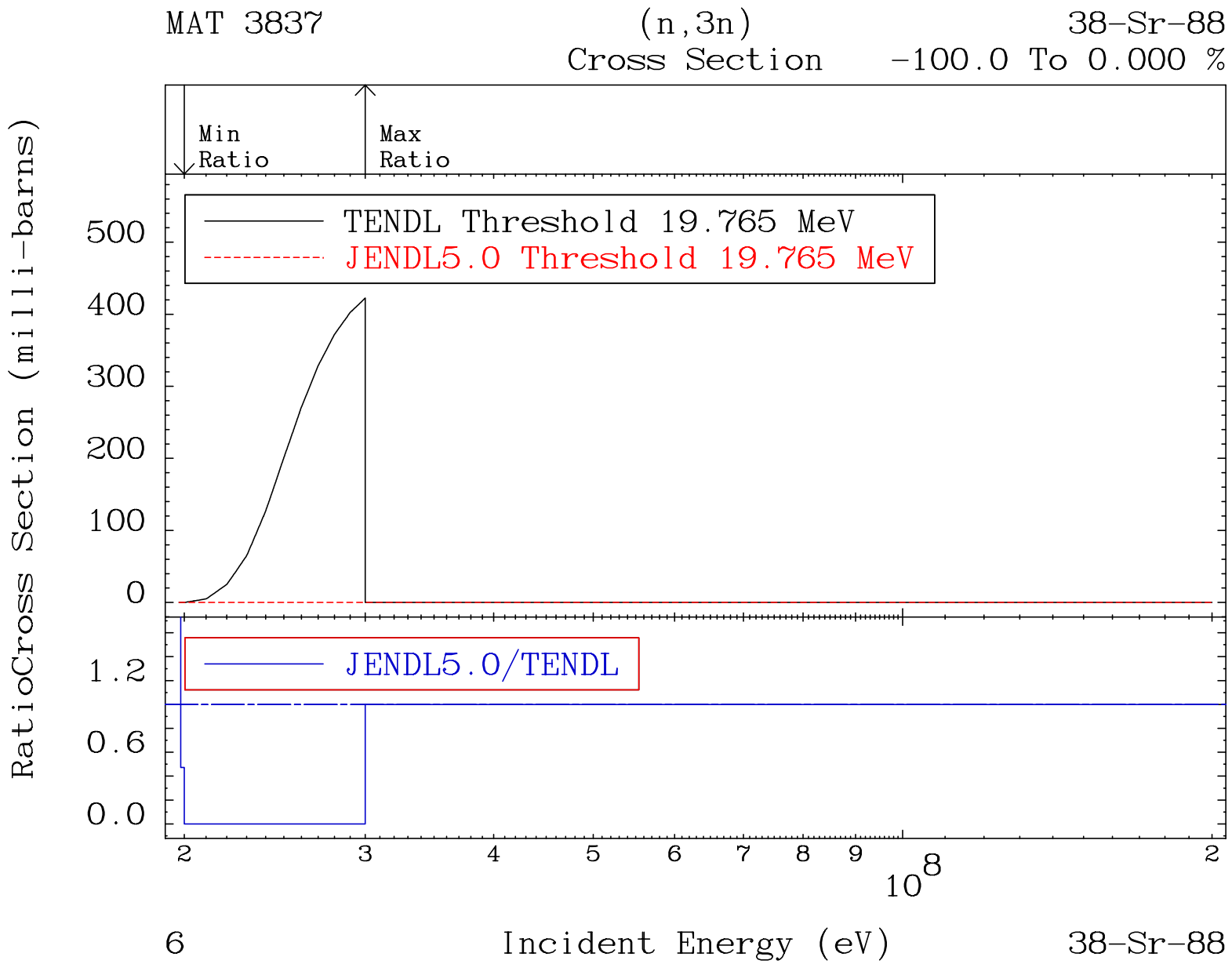

MAT 3837
Total
Cross Section
38-Sr-88
-68.66 To 164.3 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
38-Sr-88

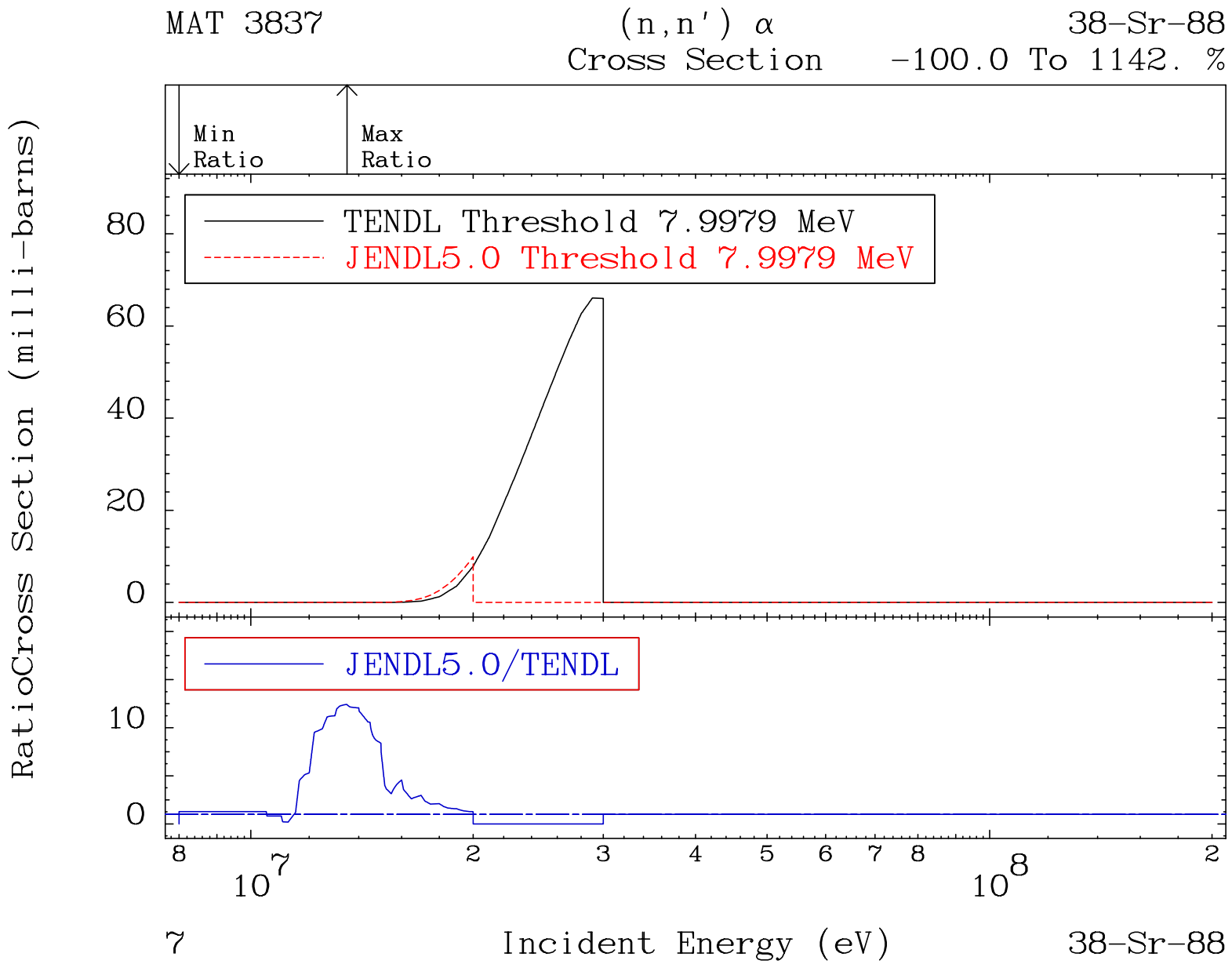

MAT 3837
Elastic
Cross Section
38-Sr-88
-85.62 To 380.5 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
38-Sr-88

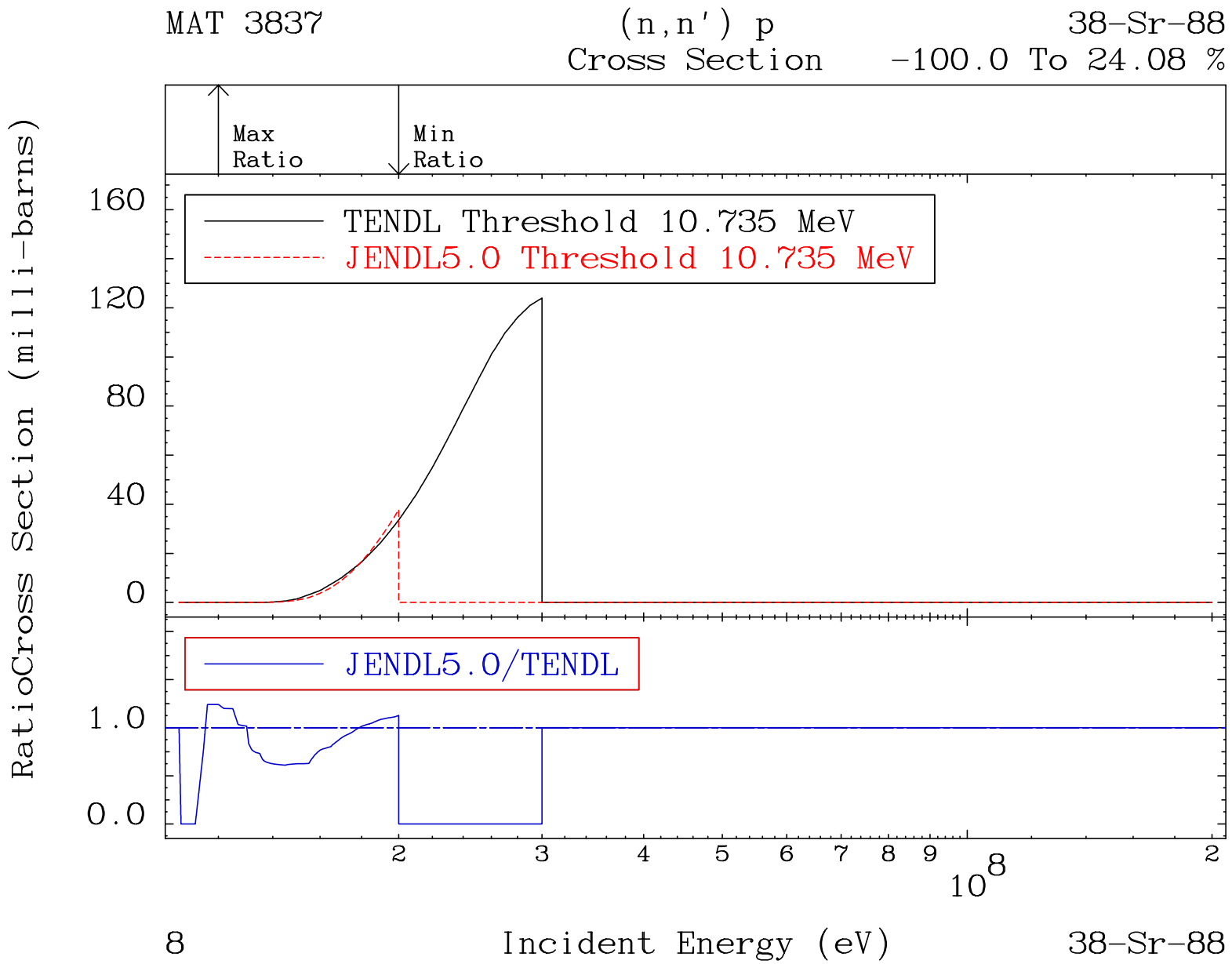

MAT 3837
Inelastic
Cross Section
38-Sr-88
-100.0 To 7.818 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.8572 MeV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
Incident Energy (eV)
3
38-Sr-88

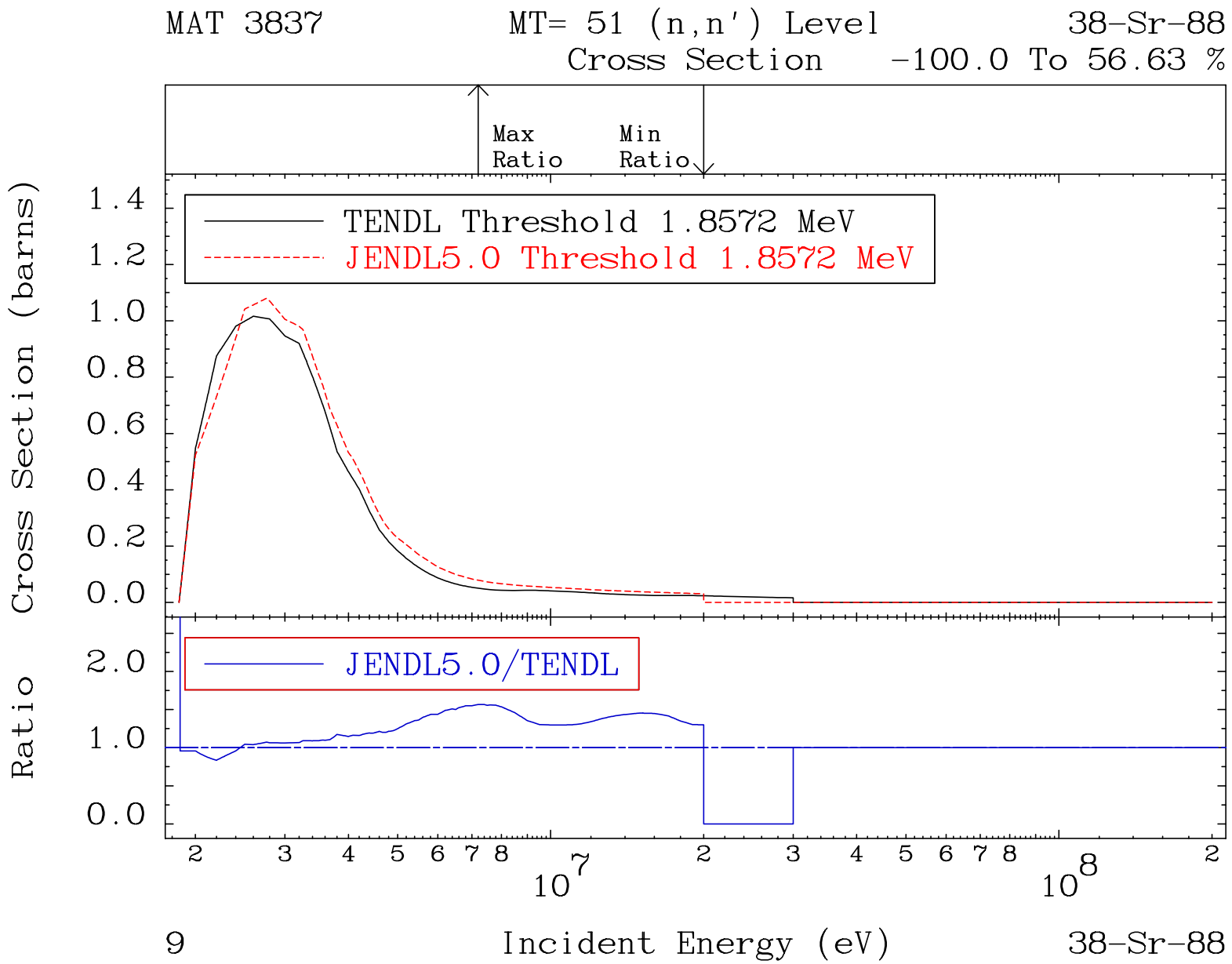

MAT 3837
(n,remainder)
Cross Section
38-Sr-88
-4.048 To 2.956 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.04
1.00
0.96
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
38-Sr-88

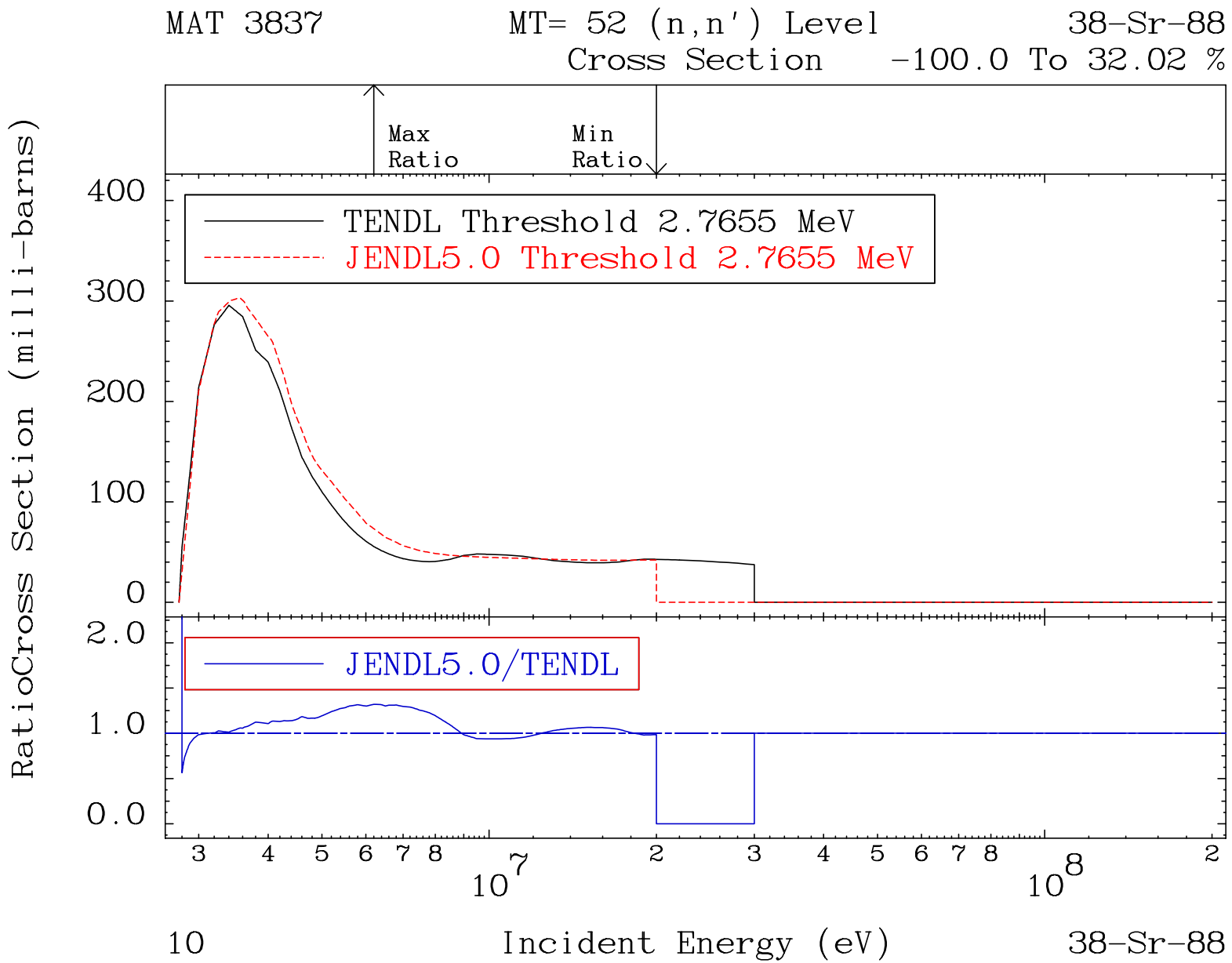

MAT 3837
(n,2n)
Cross Section
38-Sr-88
-100.0 To 22.30 %
Max Ratio
Min Ratio
TENDL Threshold 11.240 MeV
JENDL5.0 Threshold 11.240 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
Incident Energy (eV)
5
38-Sr-88

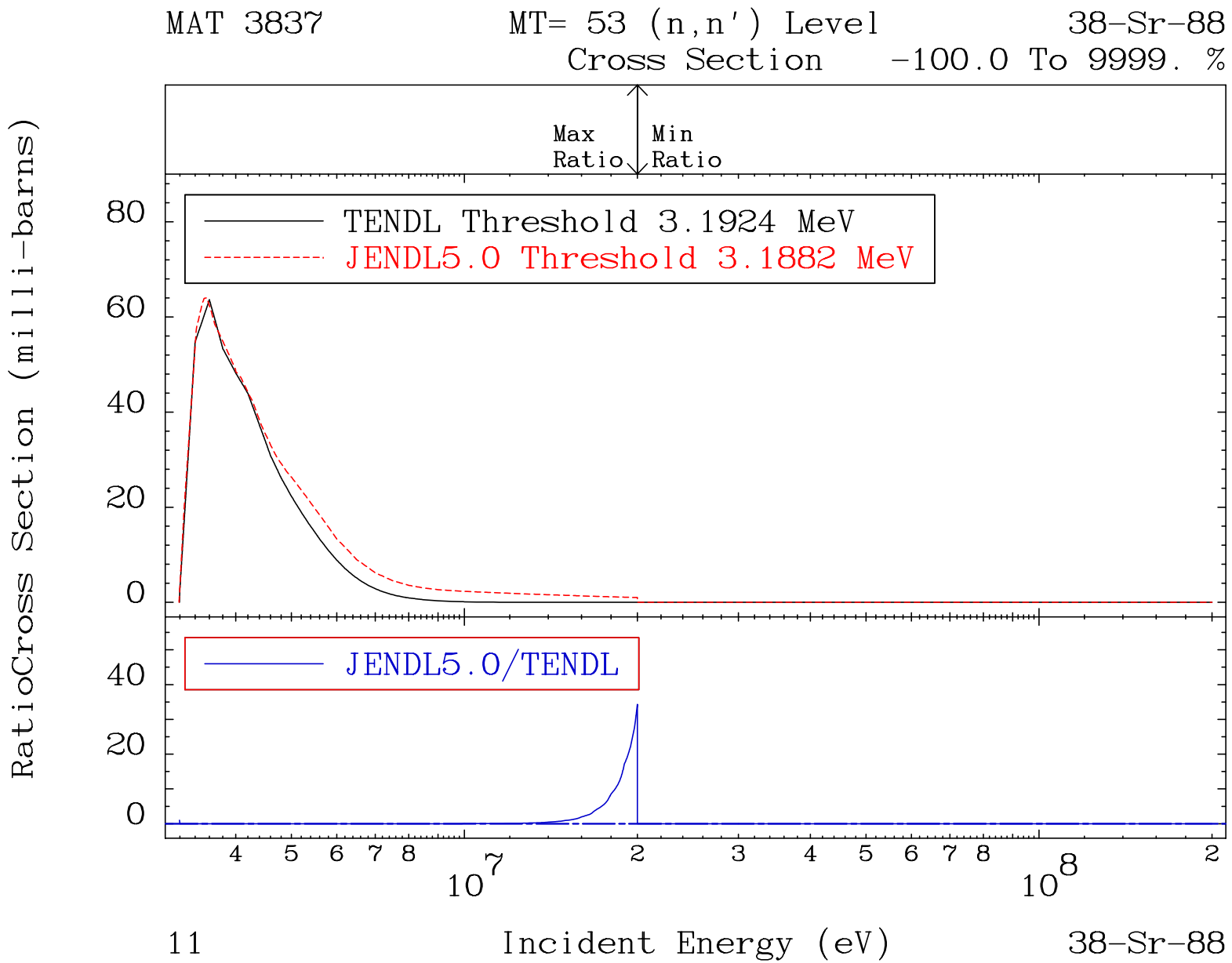

MAT 3837
(n,3n)
38-Sr-88
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 19.765 MeV
JENDL5.0 Threshold 19.765 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
38-Sr-88

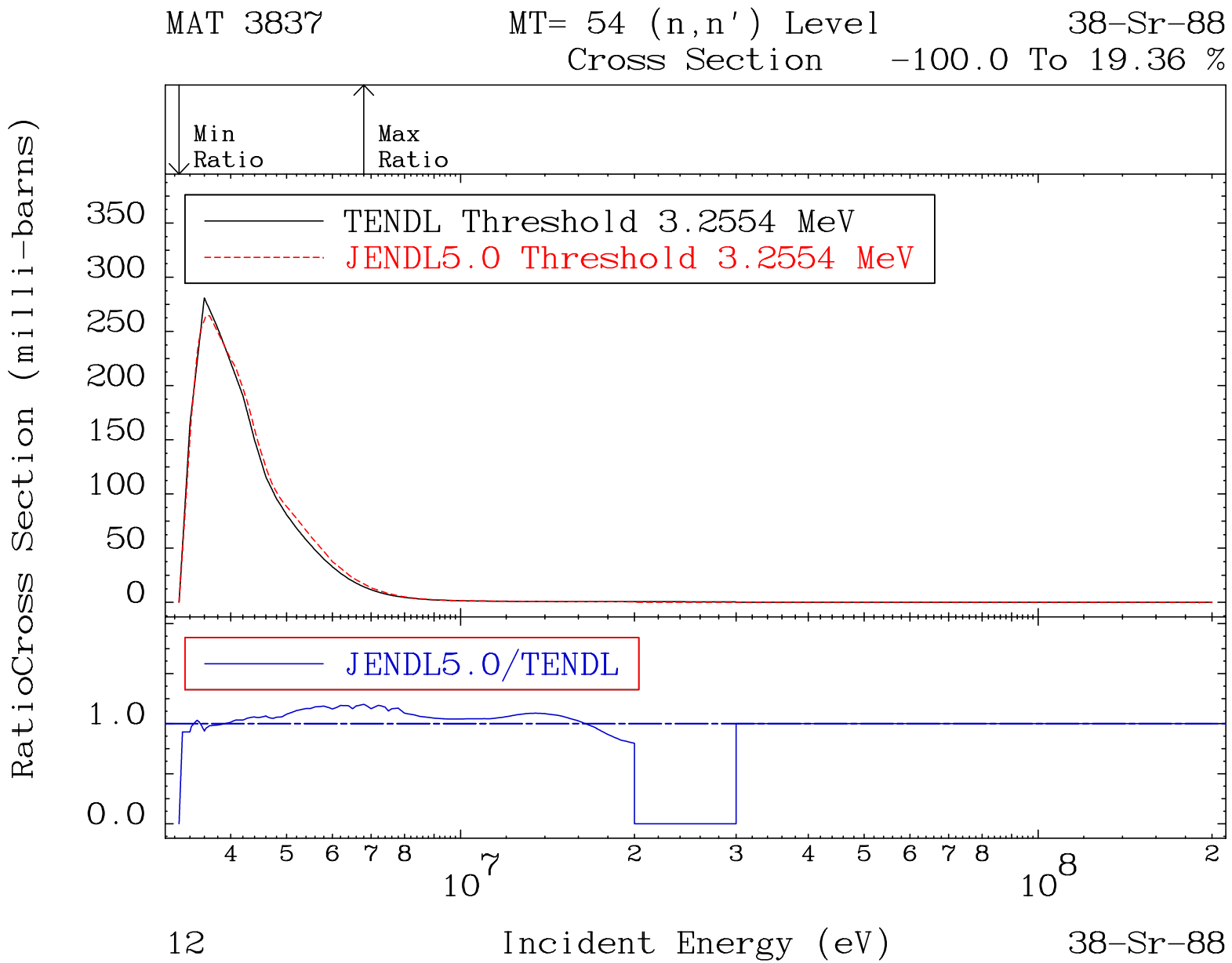

MAT 3837
(n,n') α
38-Sr-88
Cross Section
-100.0 To 1142. %
Min Ratio
Max Ratio
TENDL Threshold 7.9979 MeV
JENDL5.0 Threshold 7.9979 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10
0
8
2
3
4
5
6
7
8
2
10^7
10^8
7
Incident Energy (eV)
38-Sr-88

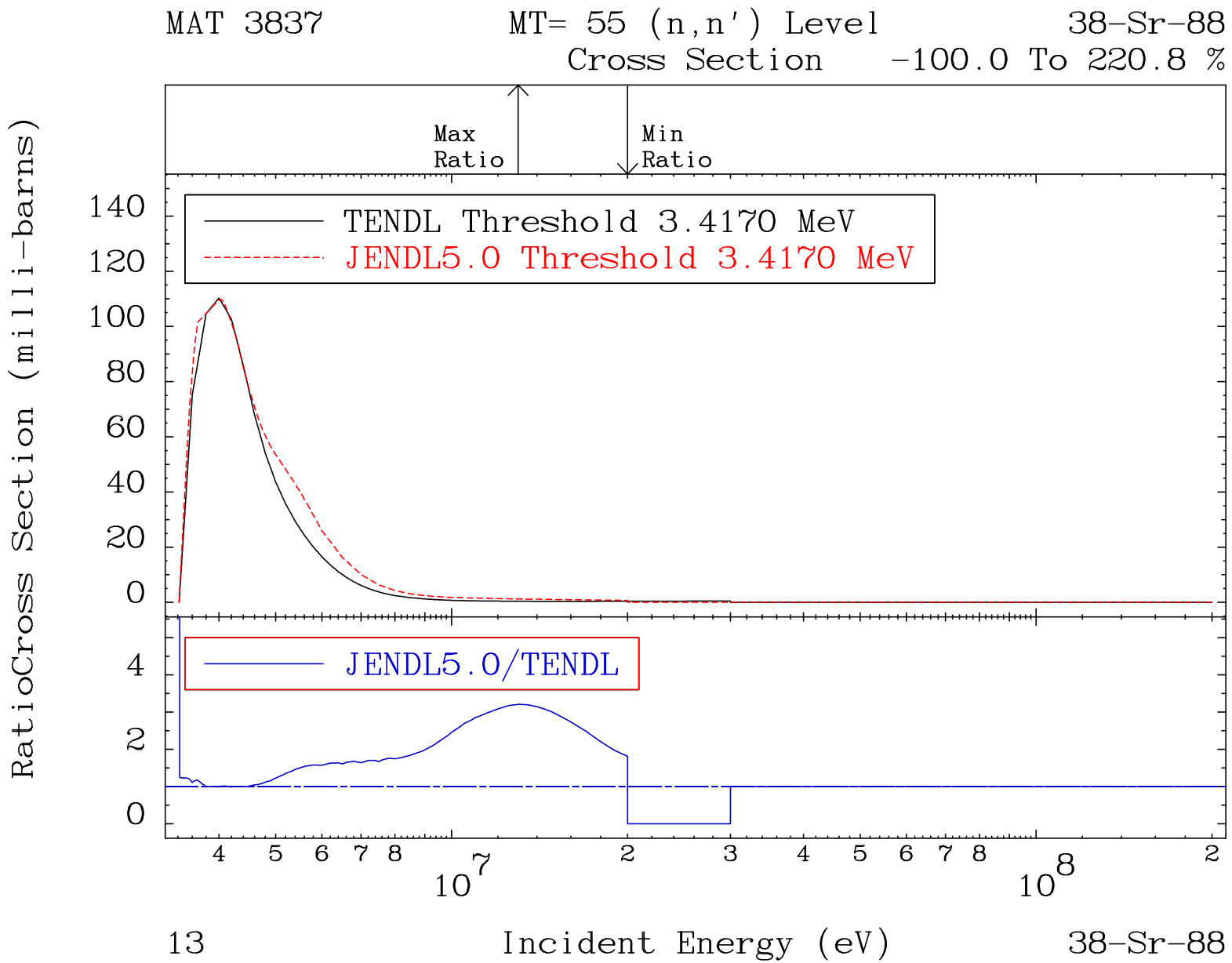

MAT 3837
(n,n') p
Cross Section
38-Sr-88
-100.0 To 24.08 %
Max Ratio
Min Ratio
TENDL Threshold 10.735 MeV
JENDL5.0 Threshold 10.735 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
8
Incident Energy (eV)
38-Sr-88

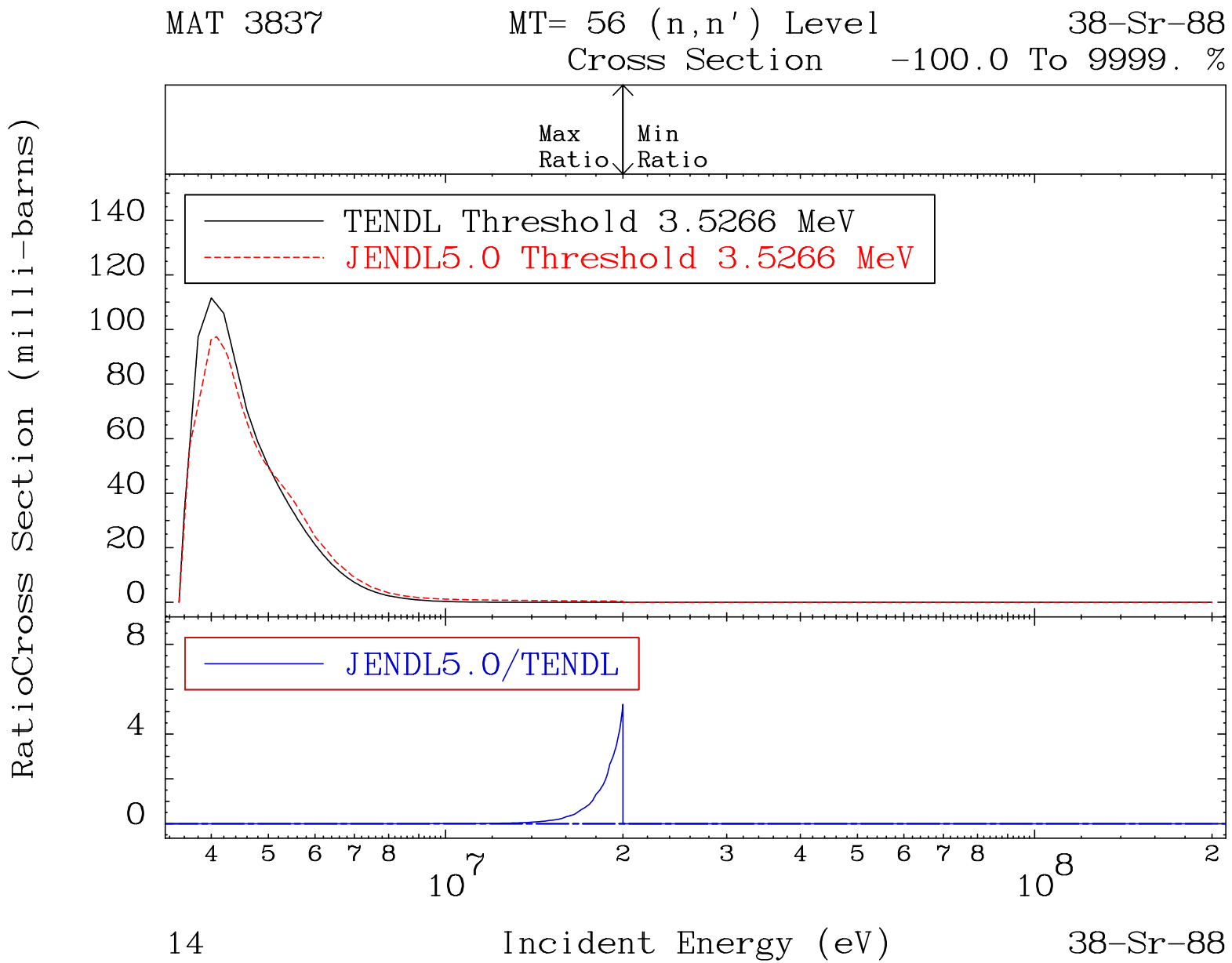

MAT 3837
MT= 51 (n,n') Level
38-Sr-88
Cross Section -100.0 To 56.63 %
Max Ratio
Min Ratio
TENDL Threshold 1.8572 MeV
JENDL5.0 Threshold 1.8572 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
9
Incident Energy (eV)
38-Sr-88

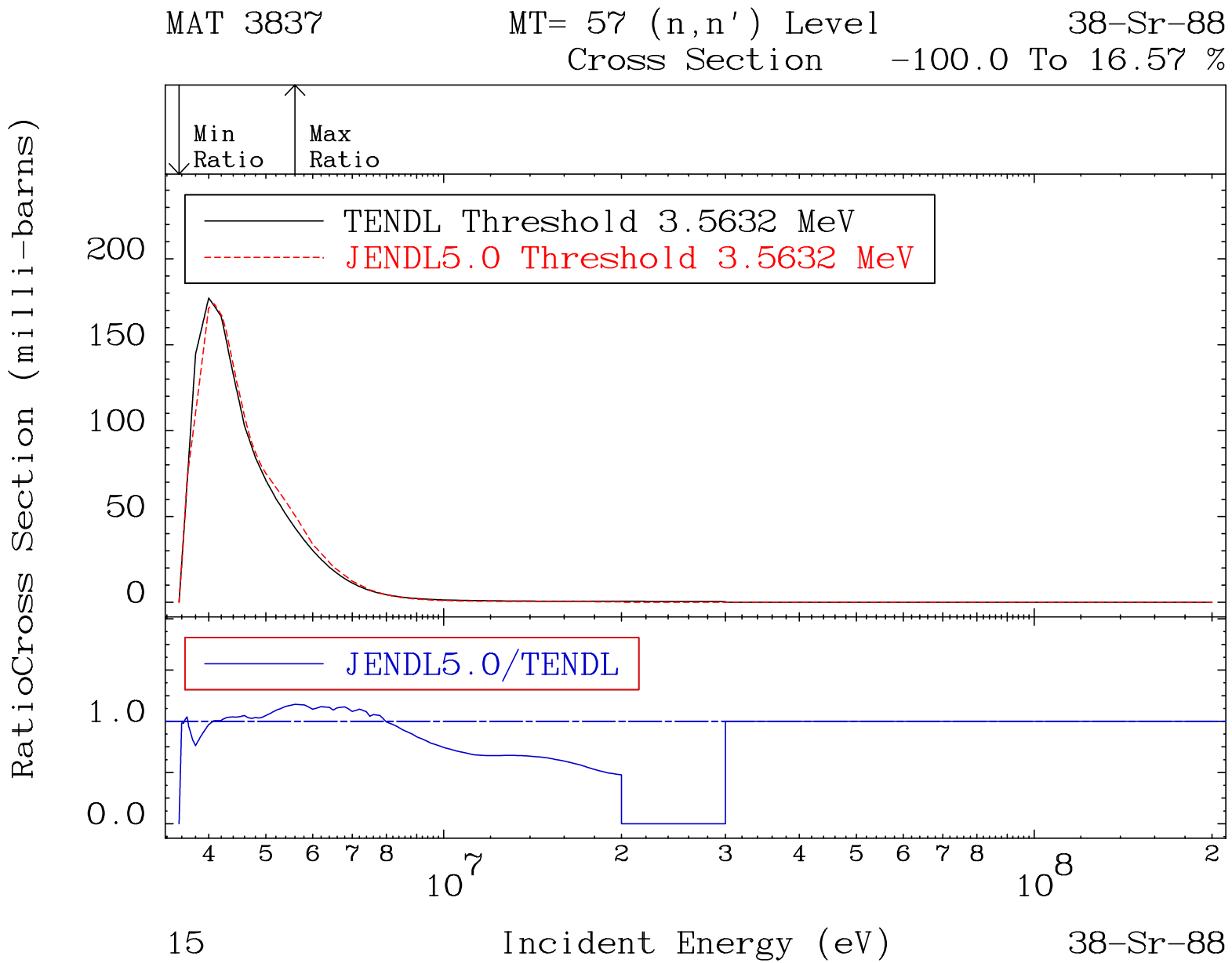

MAT 3837
MT= 52 (n,n') Level
38-Sr-88
Cross Section -100.0 To 32.02 %
Max Ratio
Min Ratio
TENDL Threshold 2.7655 MeV
JENDL5.0 Threshold 2.7655 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
38-Sr-88

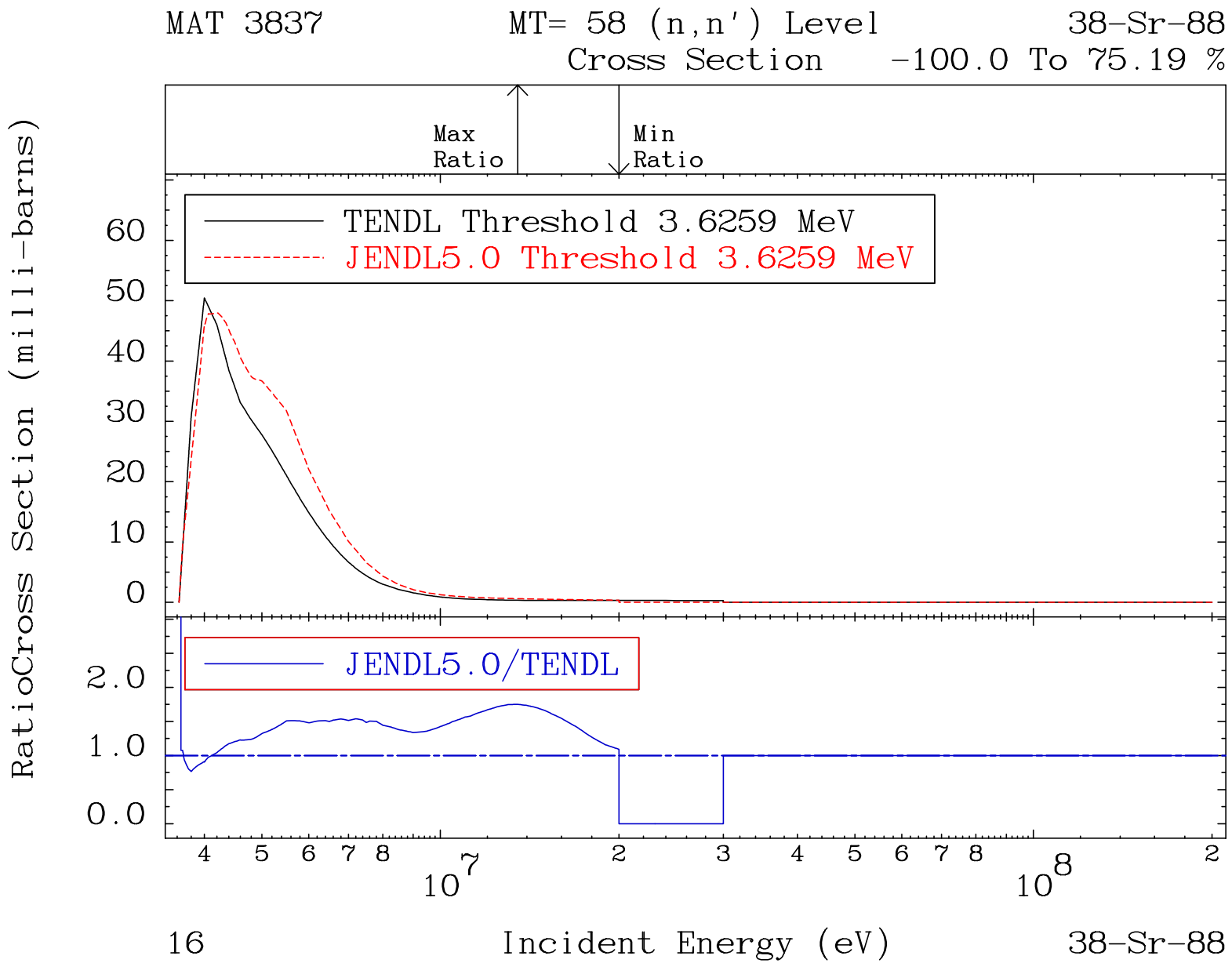

MAT 3837
MT= 53 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.1924 MeV
JENDL5.0 Threshold 3.1882 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
11
38-Sr-88

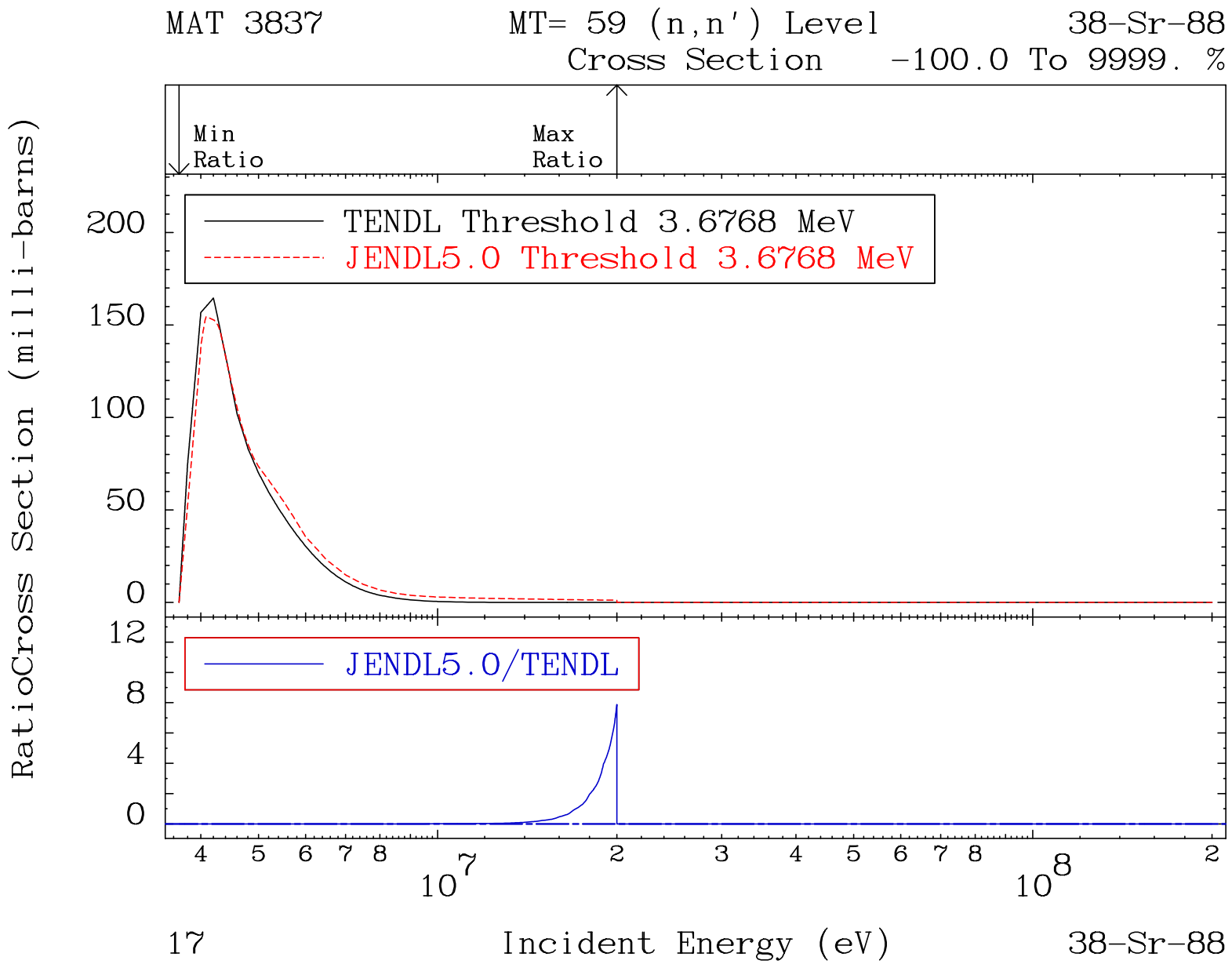

MAT 3837
MT= 54 (n,n') Level
38-Sr-88
Cross Section -100.0 To 19.36 %
Min Ratio
Max Ratio
TENDL Threshold 3.2554 MeV
JENDL5.0 Threshold 3.2554 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
38-Sr-88

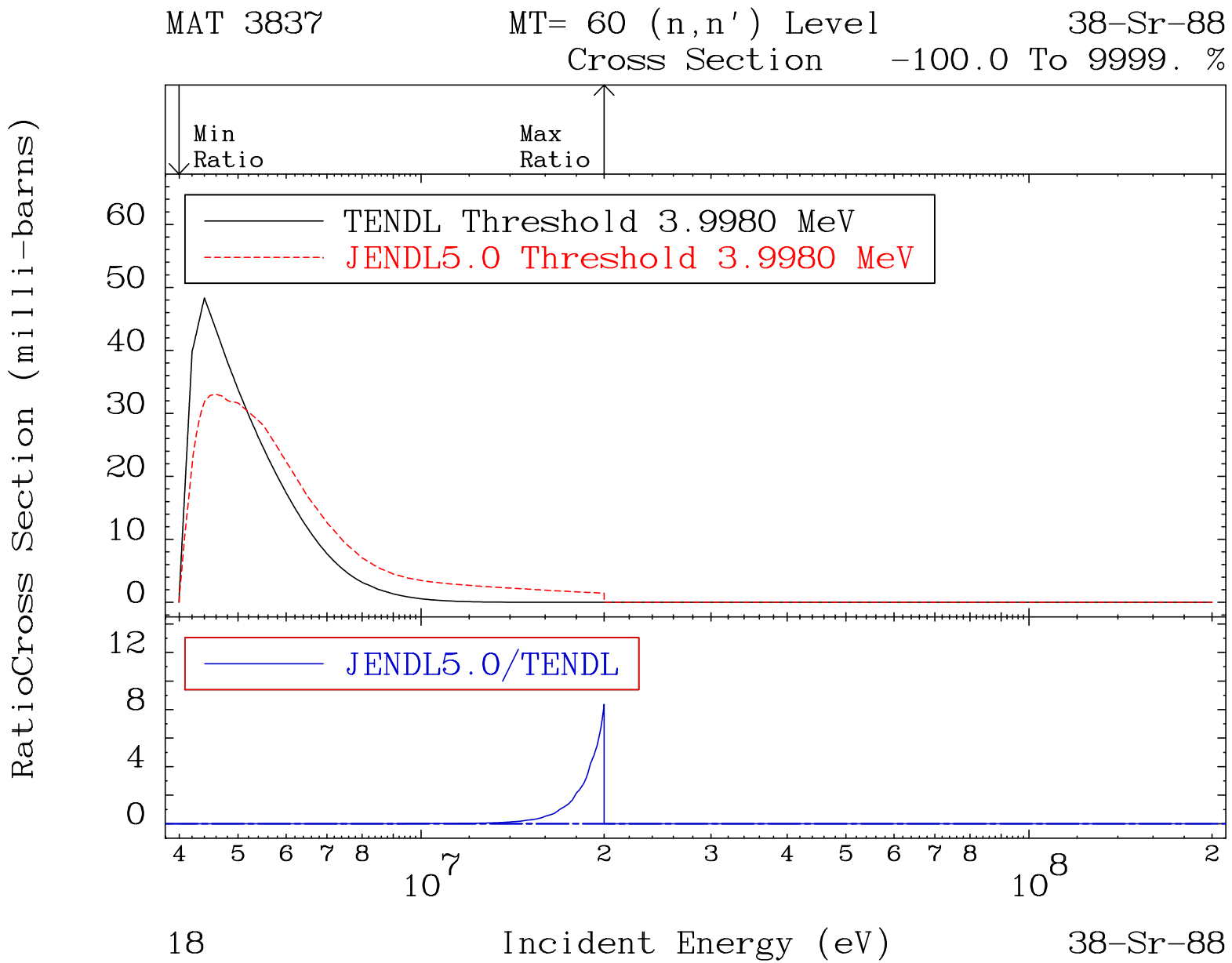

MAT 3837
MT= 55 (n,n') Level
38-Sr-88
Cross Section -100.0 To 220.8 %
Max Ratio
Min Ratio
TENDL Threshold 3.4170 MeV
JENDL5.0 Threshold 3.4170 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
4
2
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
38-Sr-88

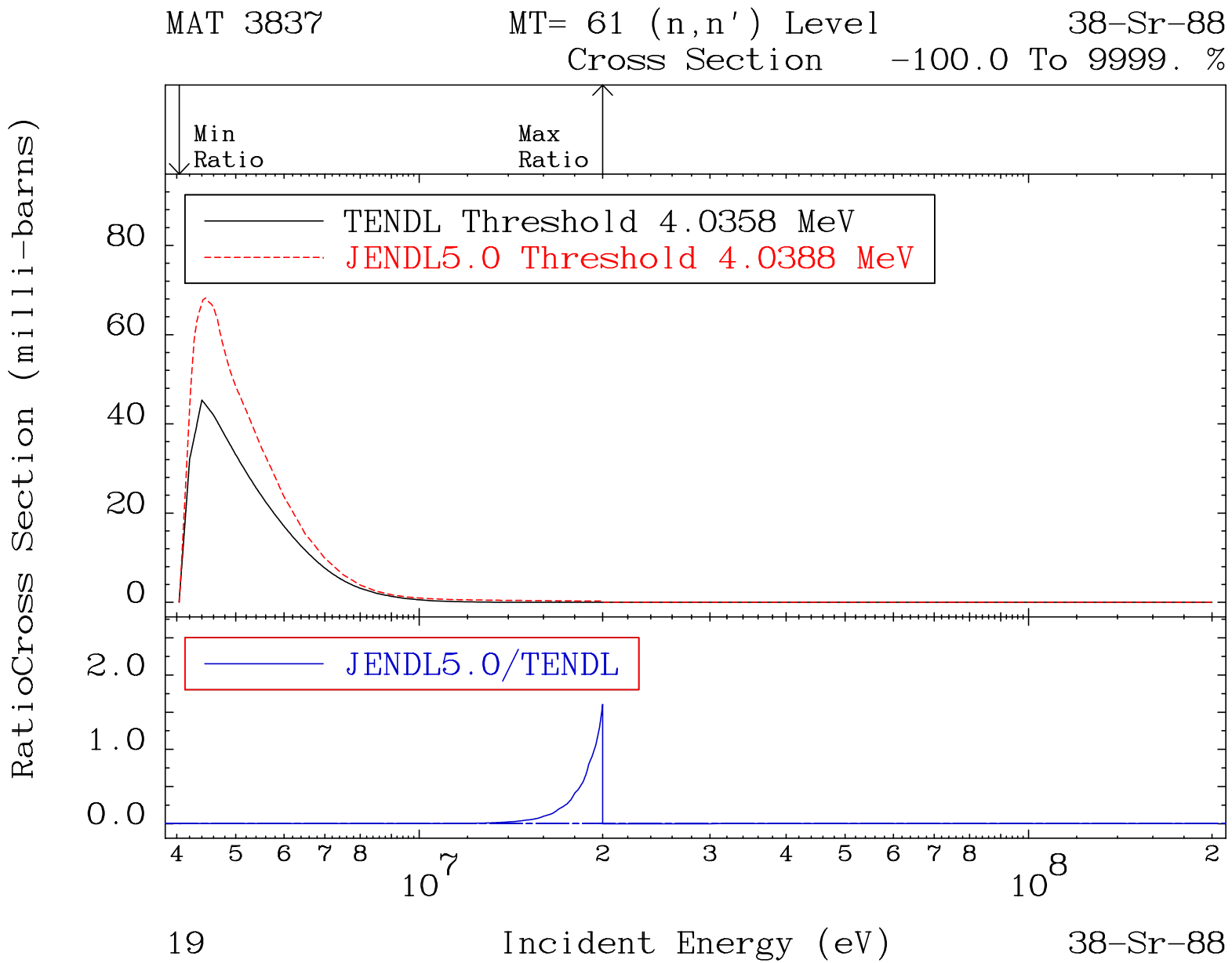

MAT 3837
MT= 56 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.5266 MeV
JENDL5.0 Threshold 3.5266 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
8
4
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
38-Sr-88

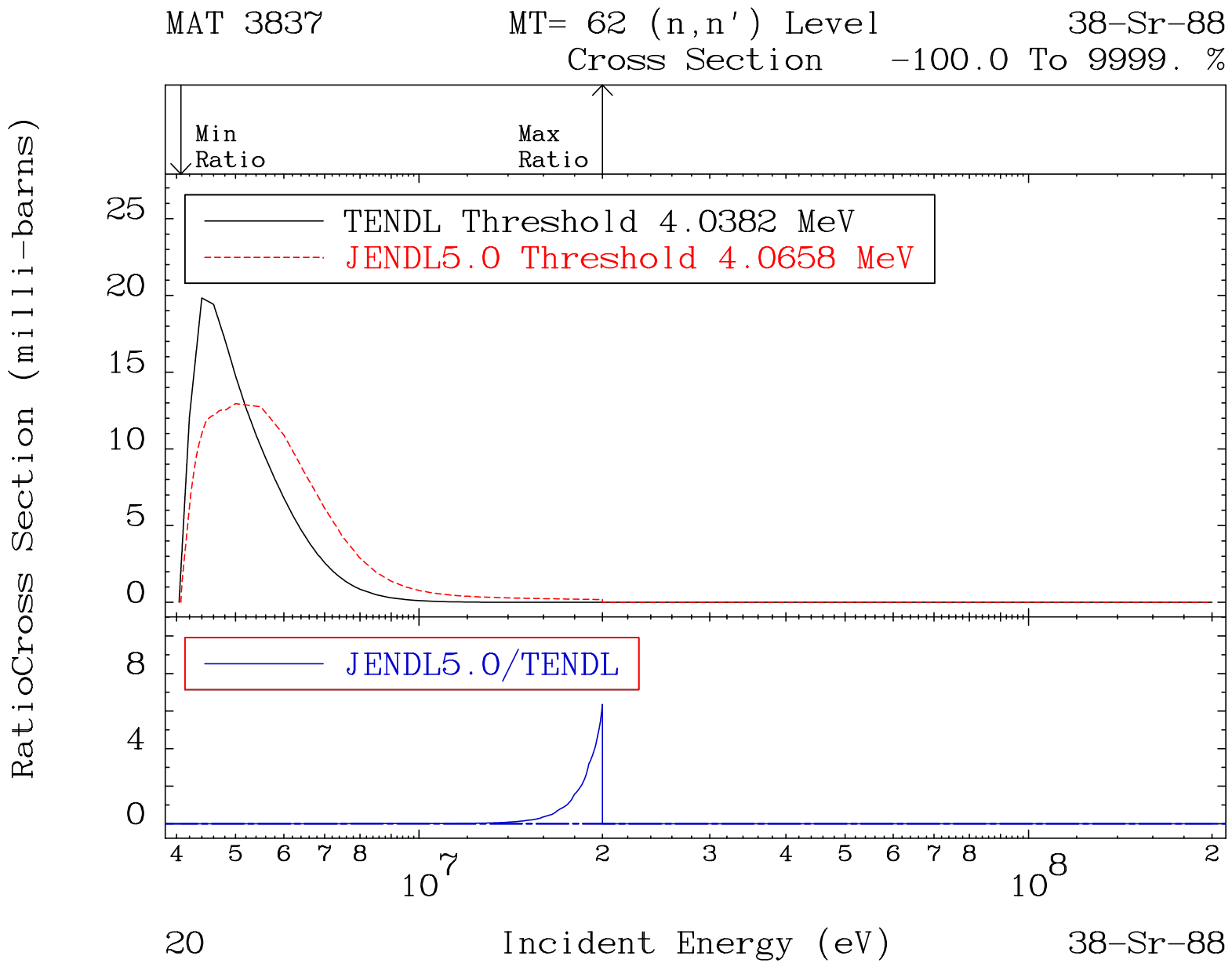

MAT 3837
MT= 57 (n,n') Level
38-Sr-88
Cross Section -100.0 To 16.57 %
Min Ratio
Max Ratio
TENDL Threshold 3.5632 MeV
JENDL5.0 Threshold 3.5632 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
38-Sr-88

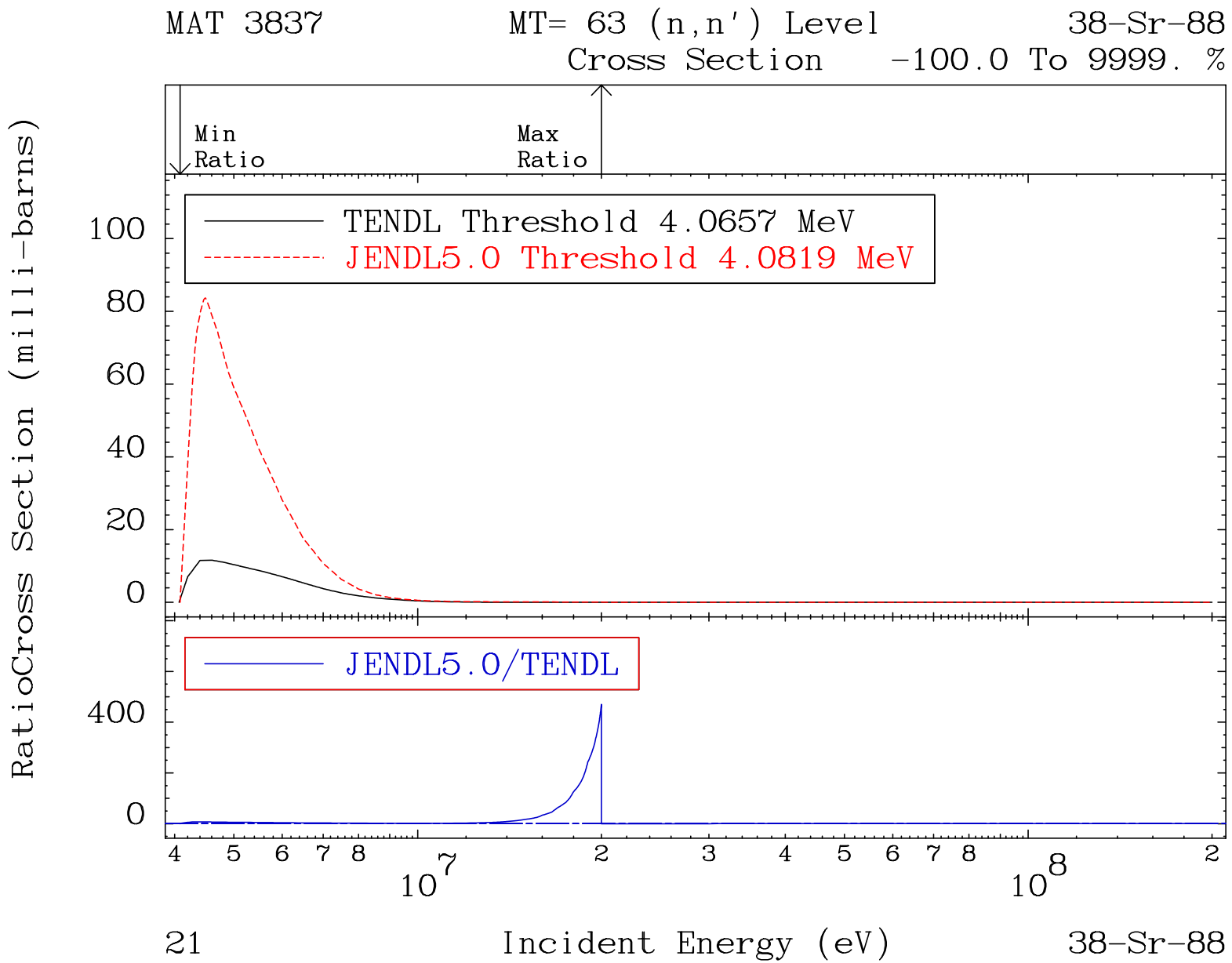

MAT 3837
MT= 58 (n,n') Level
38-Sr-88
Cross Section -100.0 To 75.19 %
Max Ratio
Min Ratio
TENDL Threshold 3.6259 MeV
JENDL5.0 Threshold 3.6259 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
2.0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
38-Sr-88

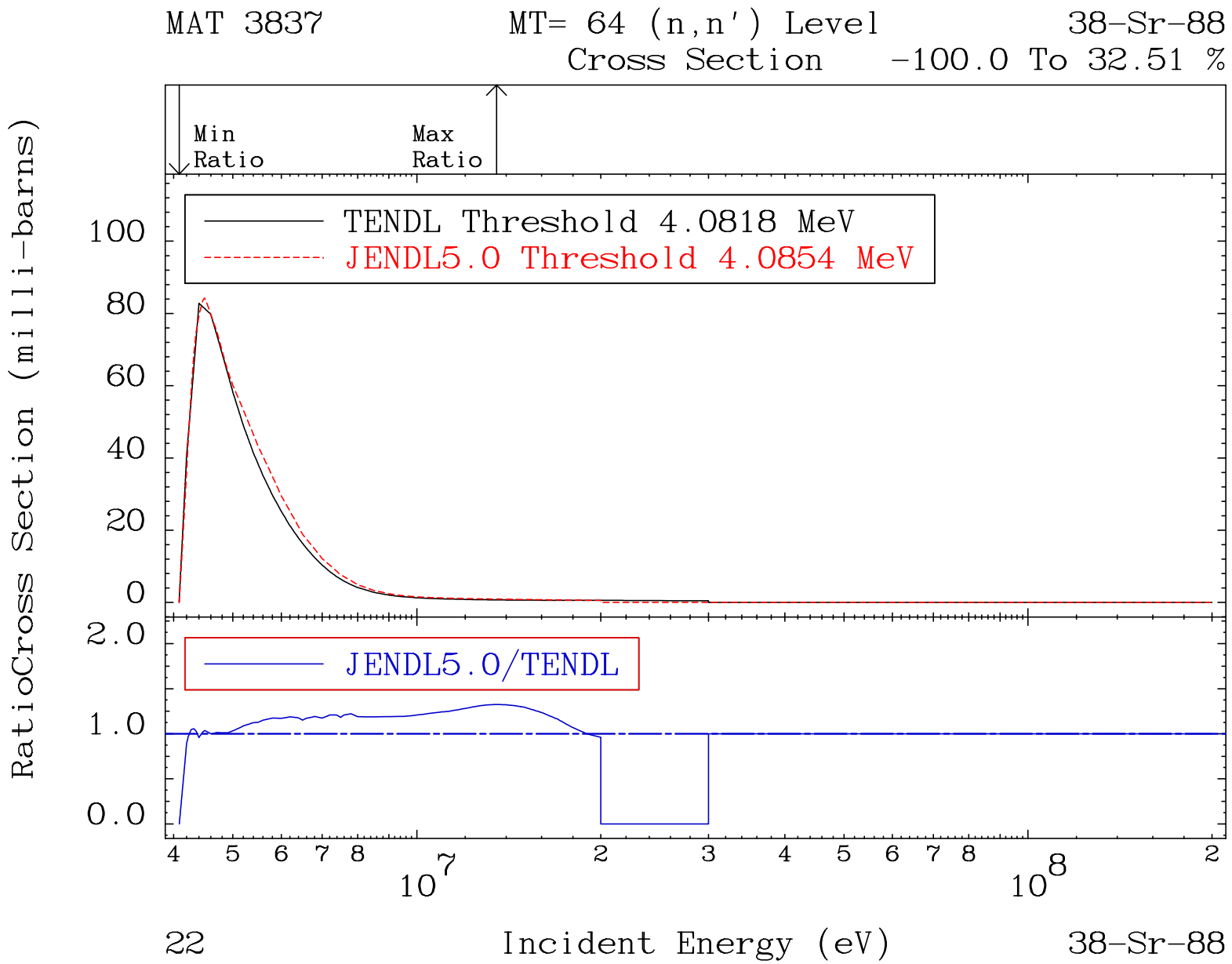

MAT 3837
MT= 59 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.6768 MeV
JENDL5.0 Threshold 3.6768 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
12
8
4
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
38-Sr-88

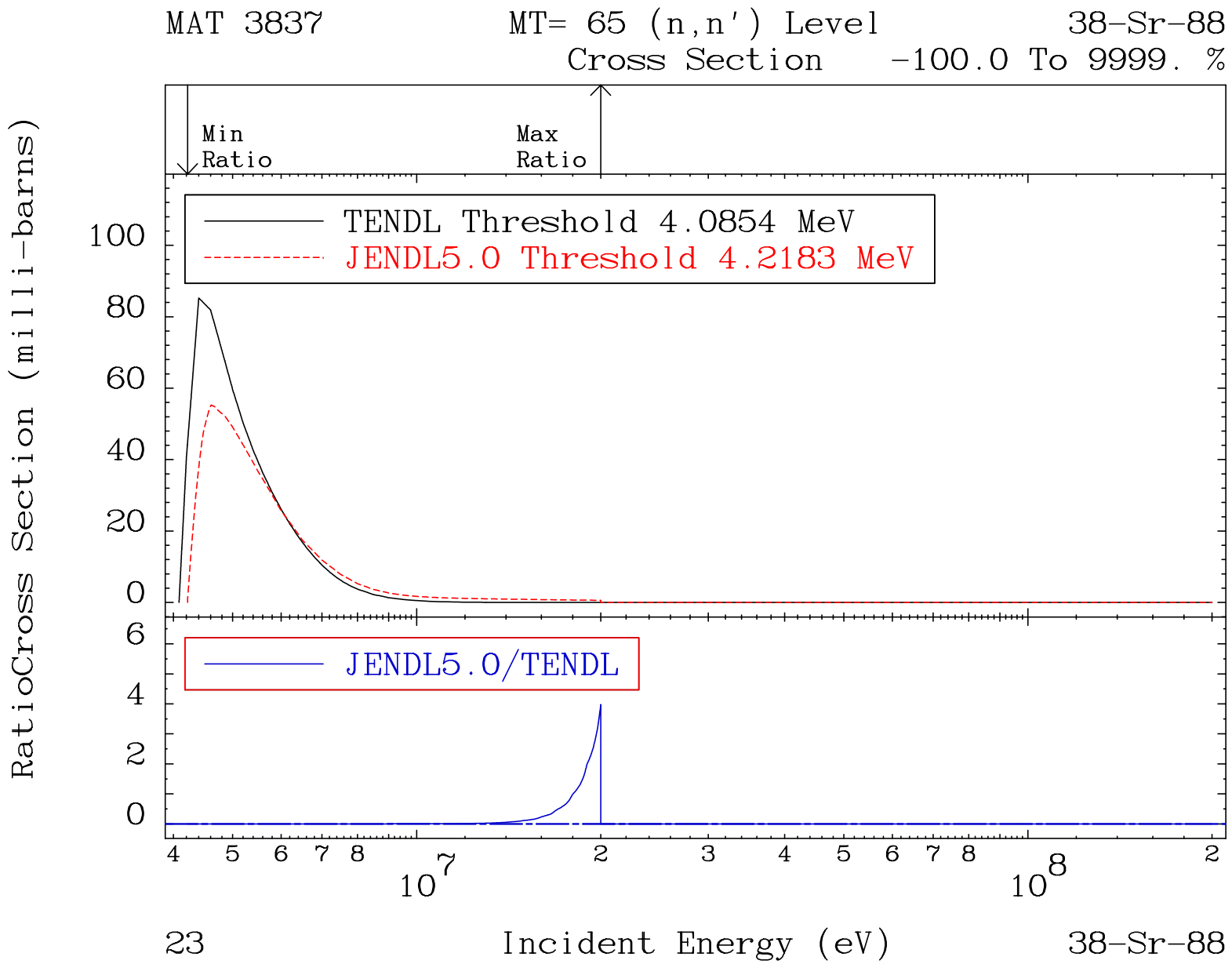

MAT 3837
MT= 60 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.9980 MeV
JENDL5.0 Threshold 3.9980 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
12
8
4
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
38-Sr-88

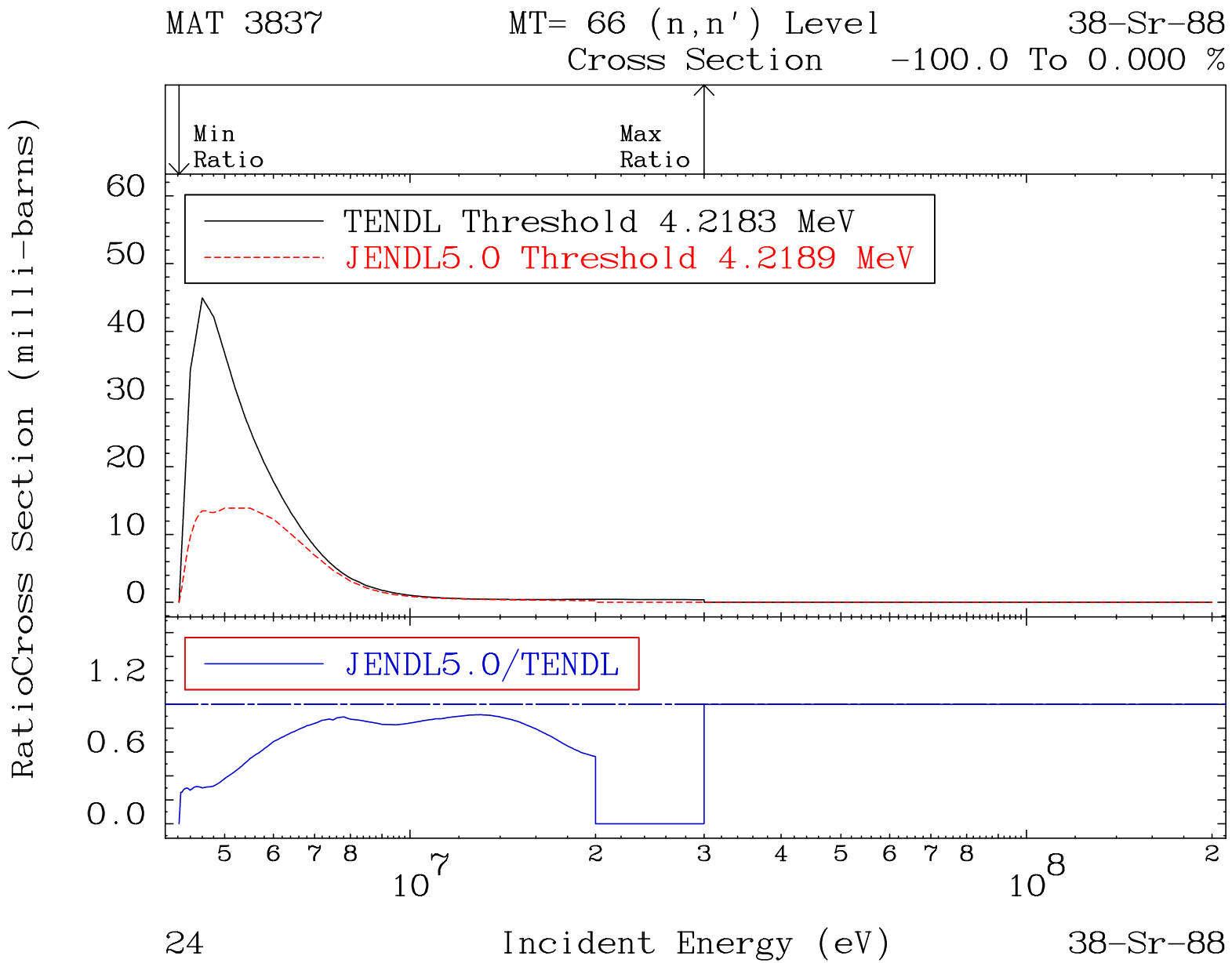

MAT 3837
MT= 61 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.0358 MeV
JENDL5.0 Threshold 4.0388 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
38-Sr-88

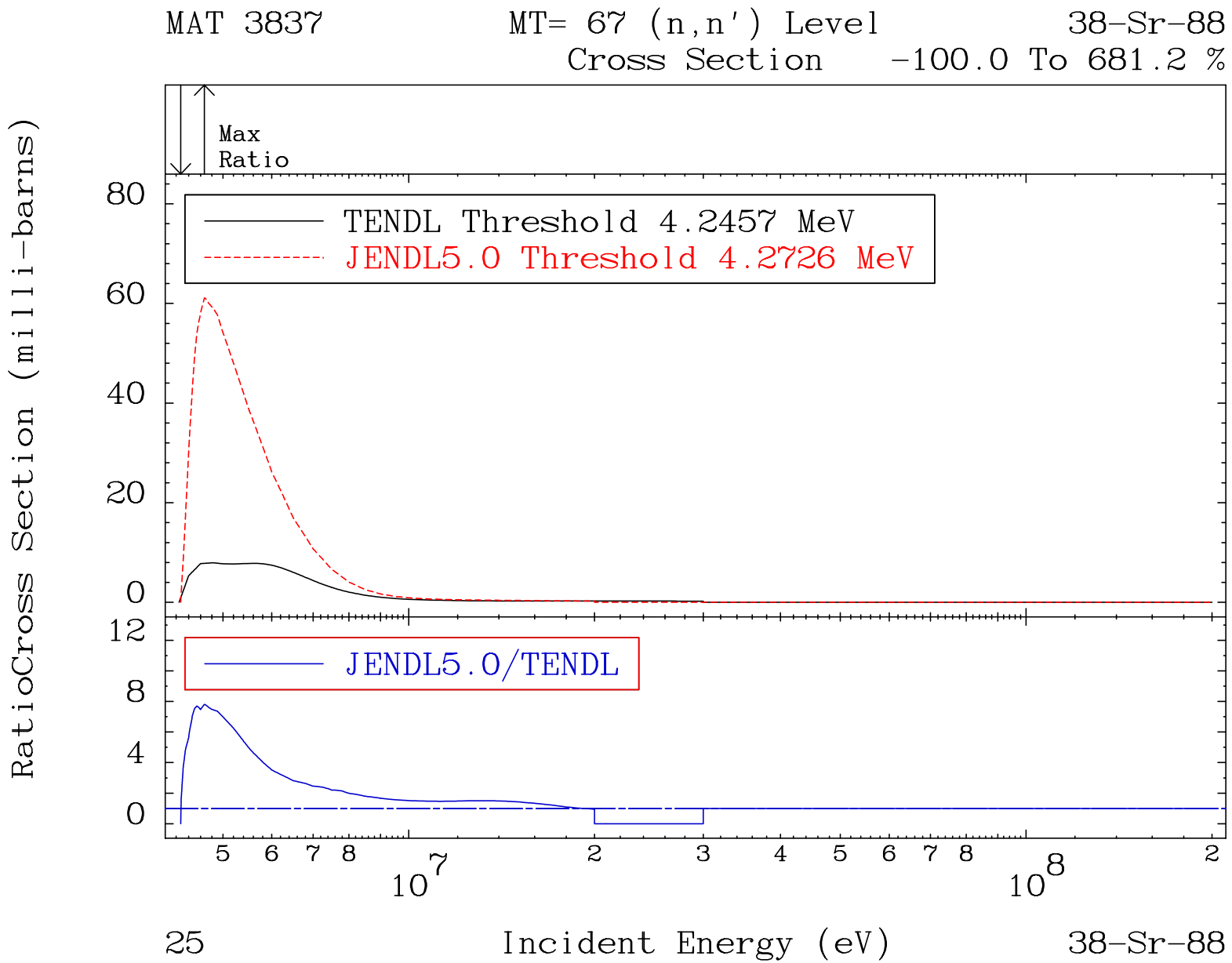

MAT 3837
MT= 62 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.0382 MeV
JENDL5.0 Threshold 4.0658 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
20
38-Sr-88

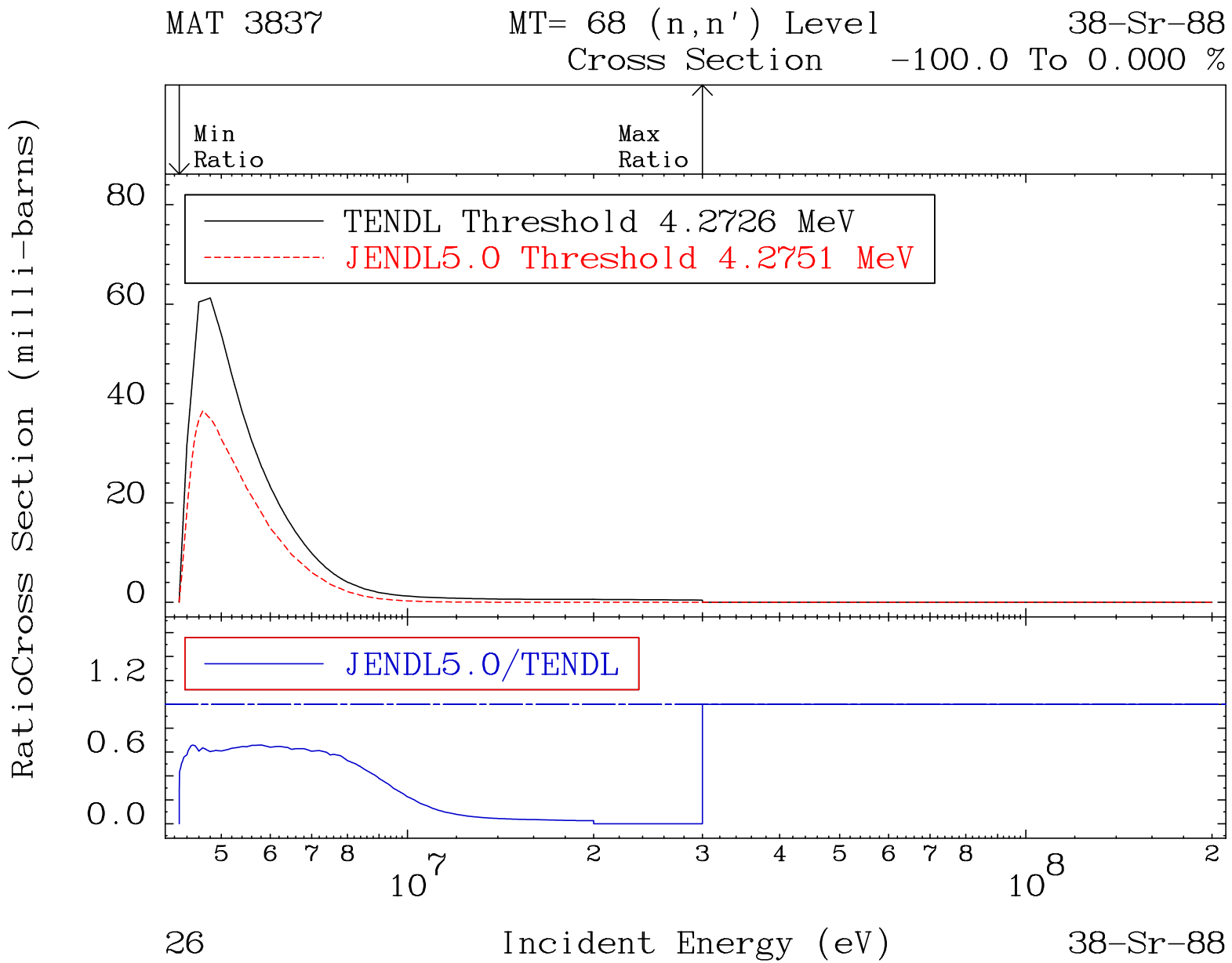

MAT 3837
MT= 63 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.0657 MeV
JENDL5.0 Threshold 4.0819 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
400
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
38-Sr-88

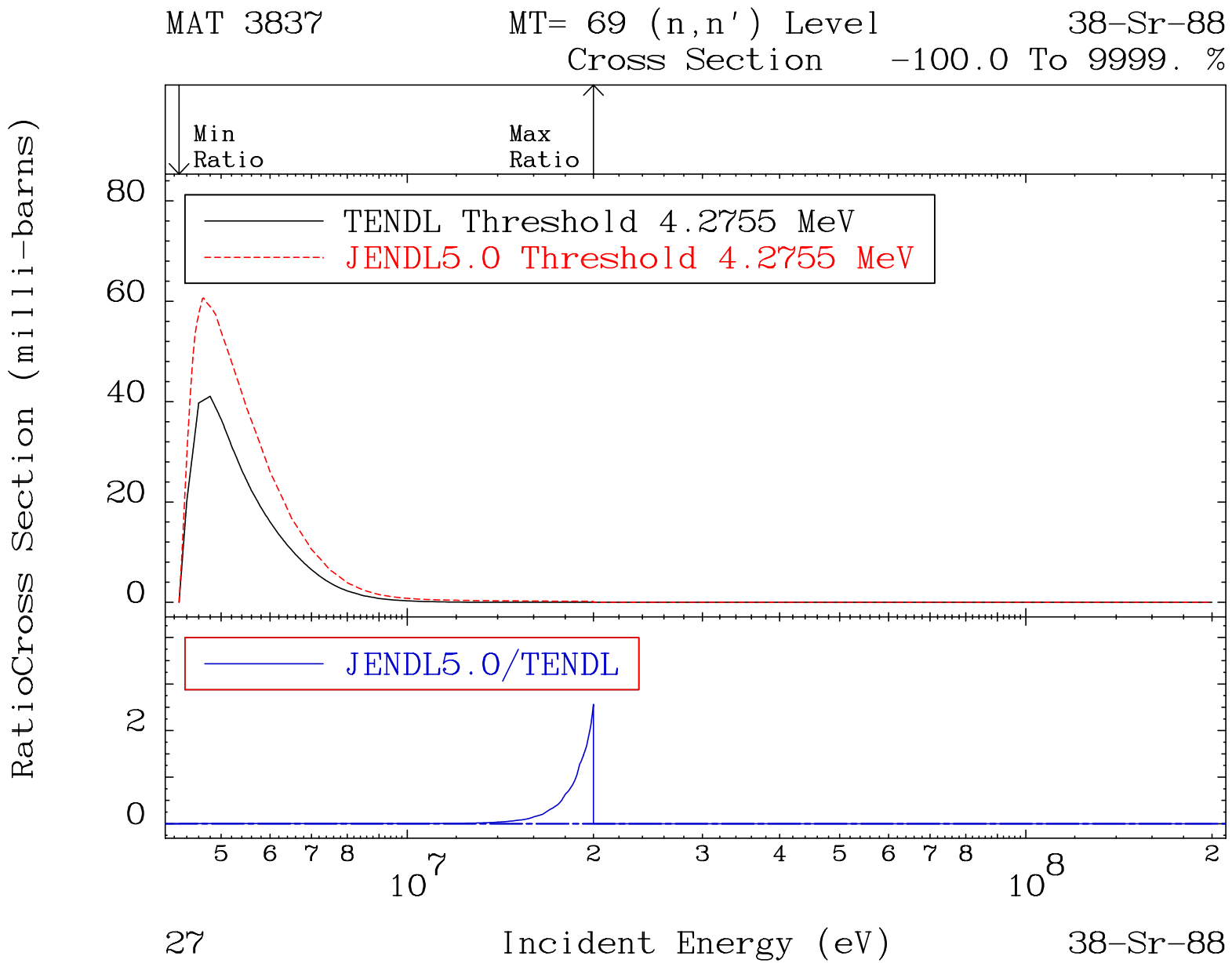

MAT 3837
MT= 64 (n,n') Level
38-Sr-88
Cross Section -100.0 To 32.51 %
Min Ratio
Max Ratio
TENDL Threshold 4.0818 MeV
JENDL5.0 Threshold 4.0854 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
22
38-Sr-88

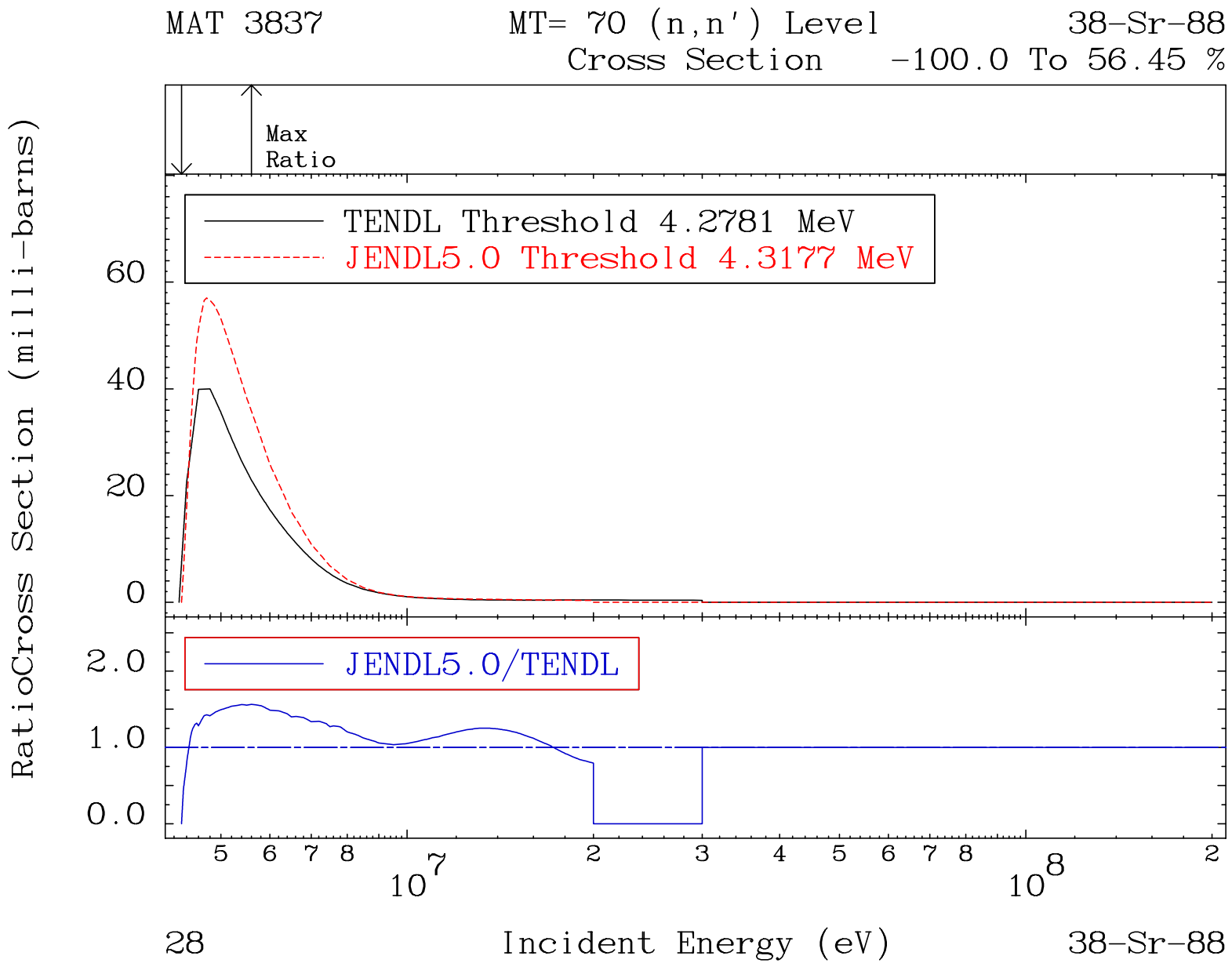

MAT 3837
MT= 65 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.0854 MeV
JENDL5.0 Threshold 4.2183 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
6
4
2
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
23
38-Sr-88

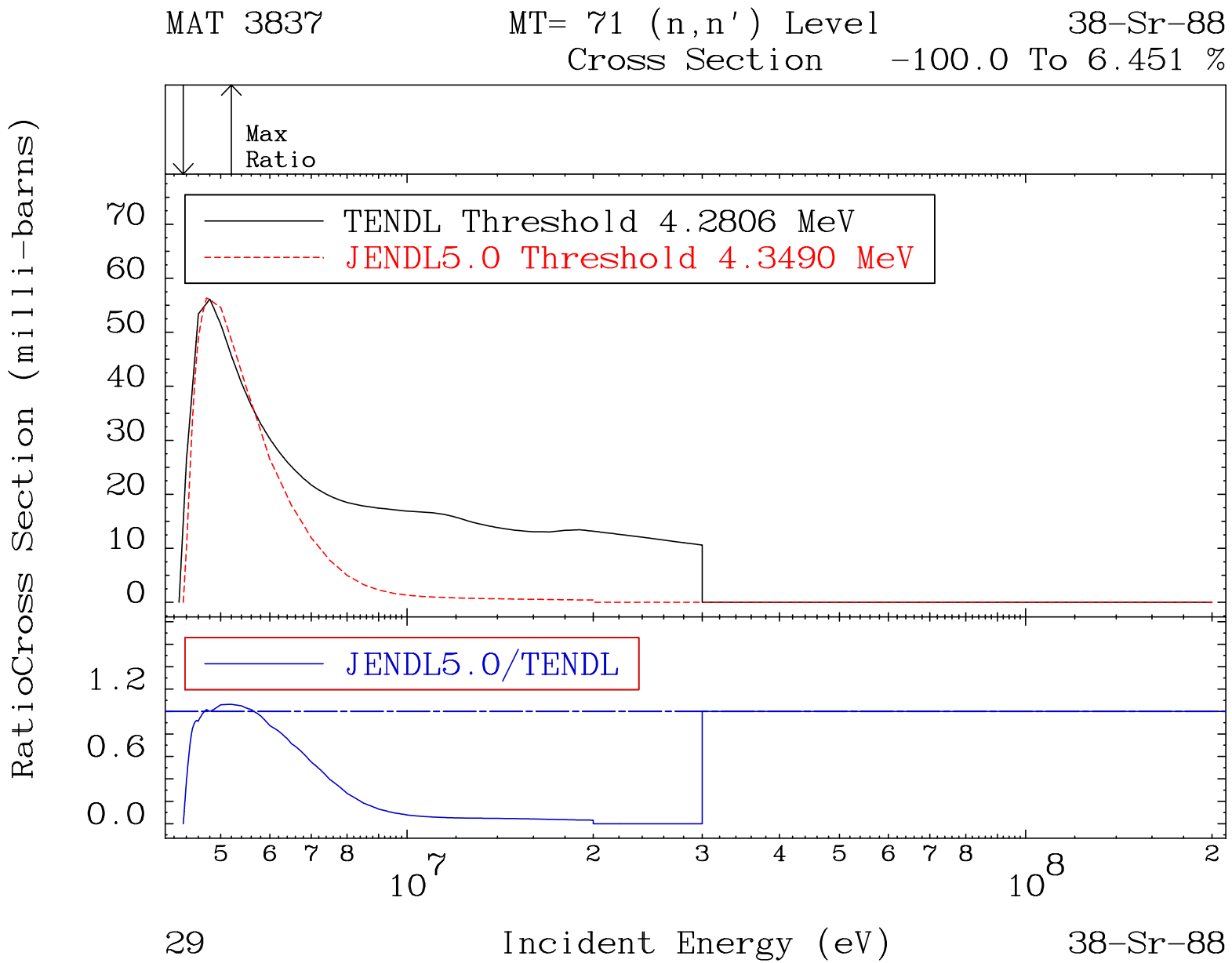

MAT 3837
MT= 66 (n,n') Level
38-Sr-88
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 4.2183 MeV
JENDL5.0 Threshold 4.2189 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
38-Sr-88

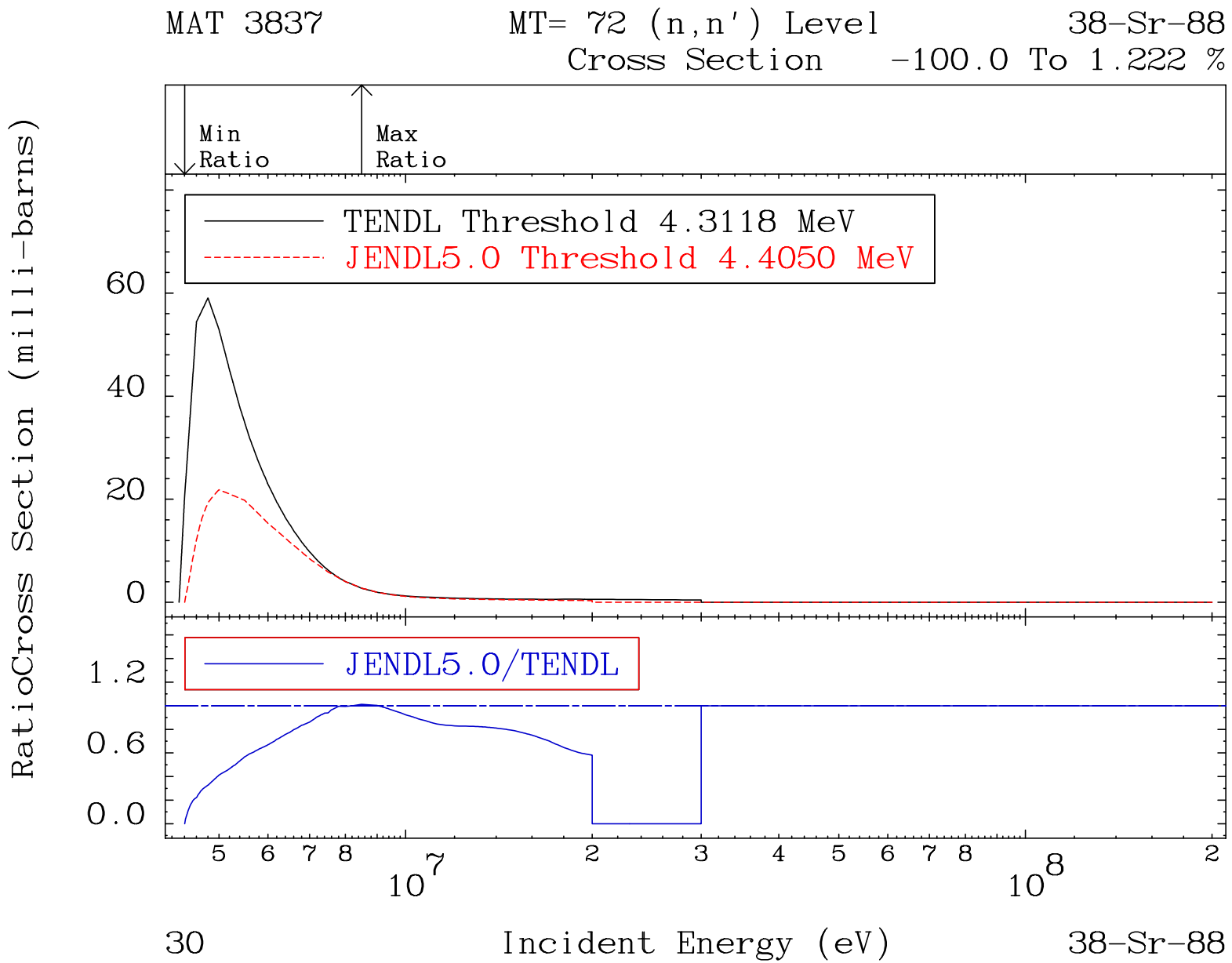

MAT 3837
MT= 67 (n,n') Level
38-Sr-88
Cross Section -100.0 To 681.2 %
Max
Ratio
TENDL Threshold 4.2457 MeV
JENDL5.0 Threshold 4.2726 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
12
8
4
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
38-Sr-88

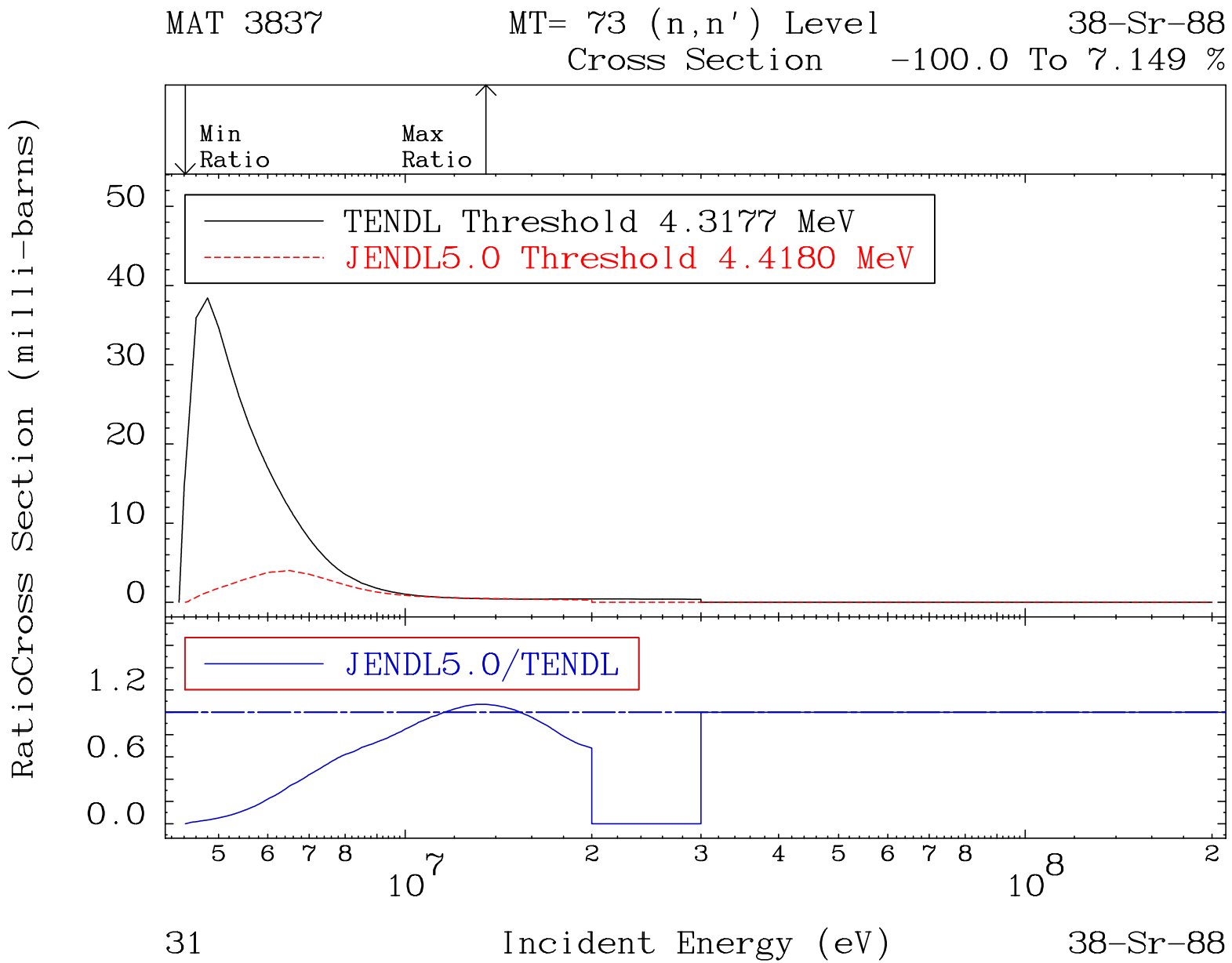

MAT 3837
MT= 68 (n,n') Level
38-Sr-88
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 4.2726 MeV
JENDL5.0 Threshold 4.2751 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
38-Sr-88

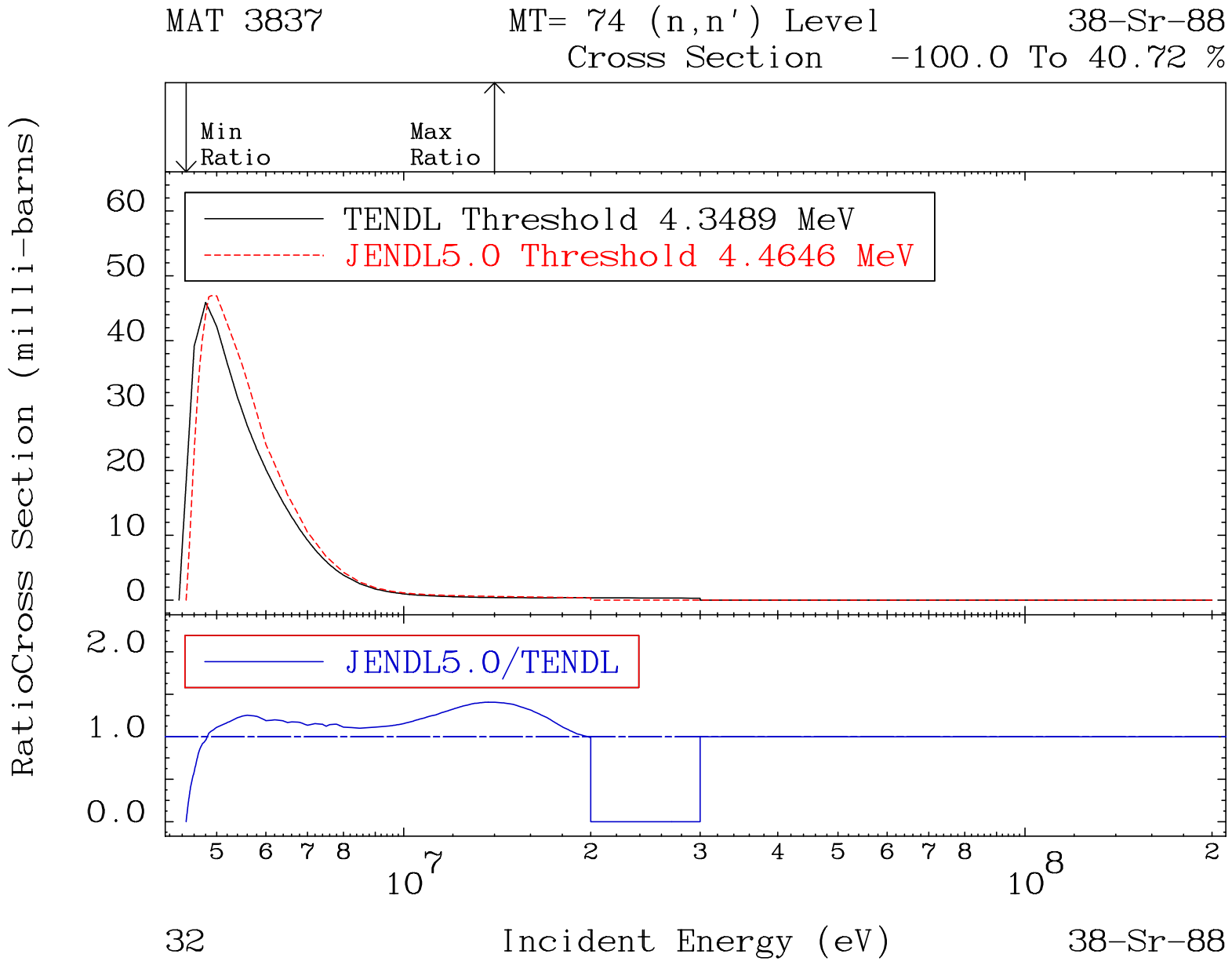

MAT 3837
MT= 69 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.2755 MeV
JENDL5.0 Threshold 4.2755 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
27
38-Sr-88

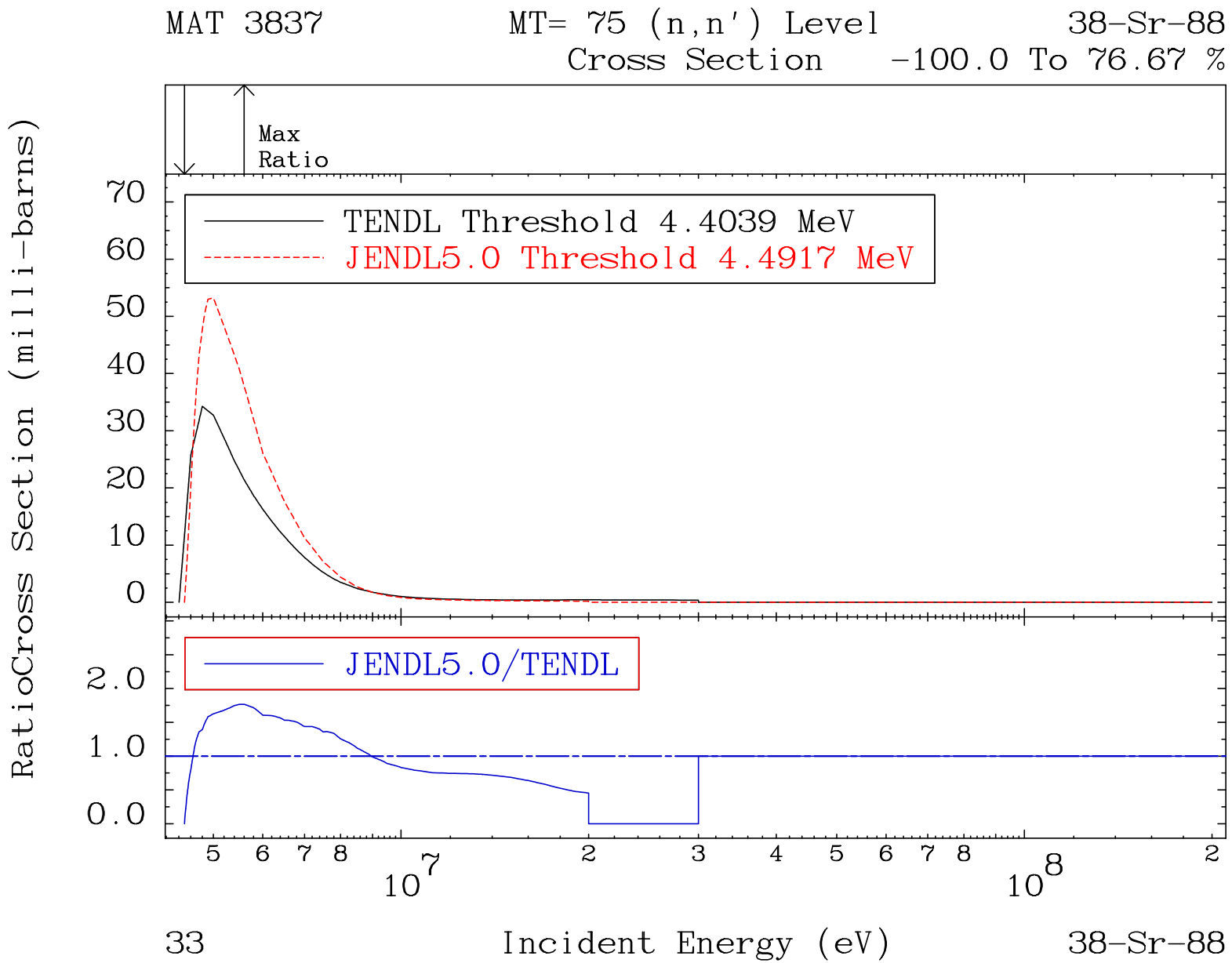

MAT 3837
MT= 70 (n,n') Level
38-Sr-88
Cross Section -100.0 To 56.45 %
Max
Ratio
TENDL Threshold 4.2781 MeV
JENDL5.0 Threshold 4.3177 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
2.0
1.0
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
38-Sr-88

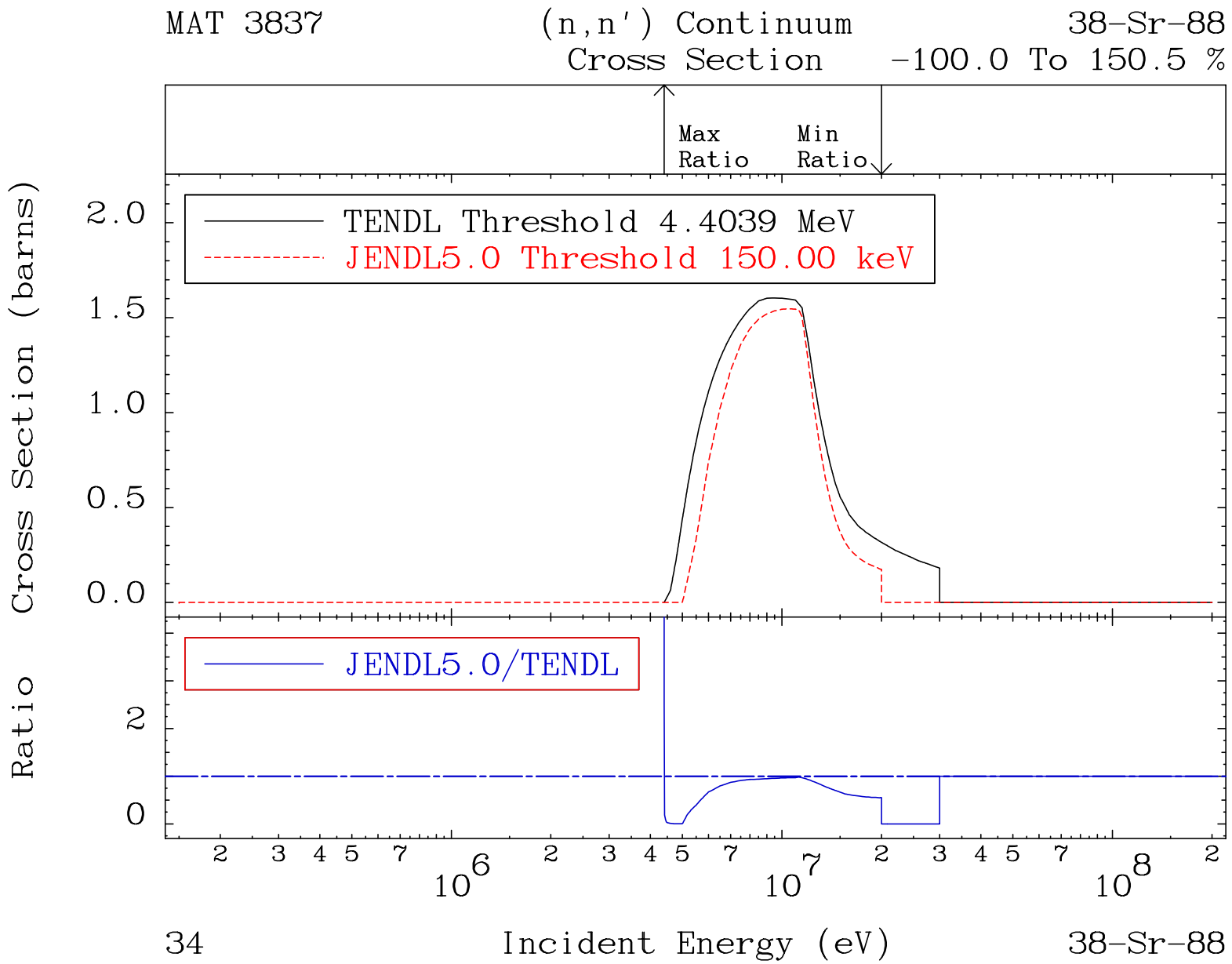

MAT 3837
MT= 71 (n,n') Level
38-Sr-88
Cross Section -100.0 To 6.451 %
Max
Ratio
TENDL Threshold 4.2806 MeV
JENDL5.0 Threshold 4.3490 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
38-Sr-88

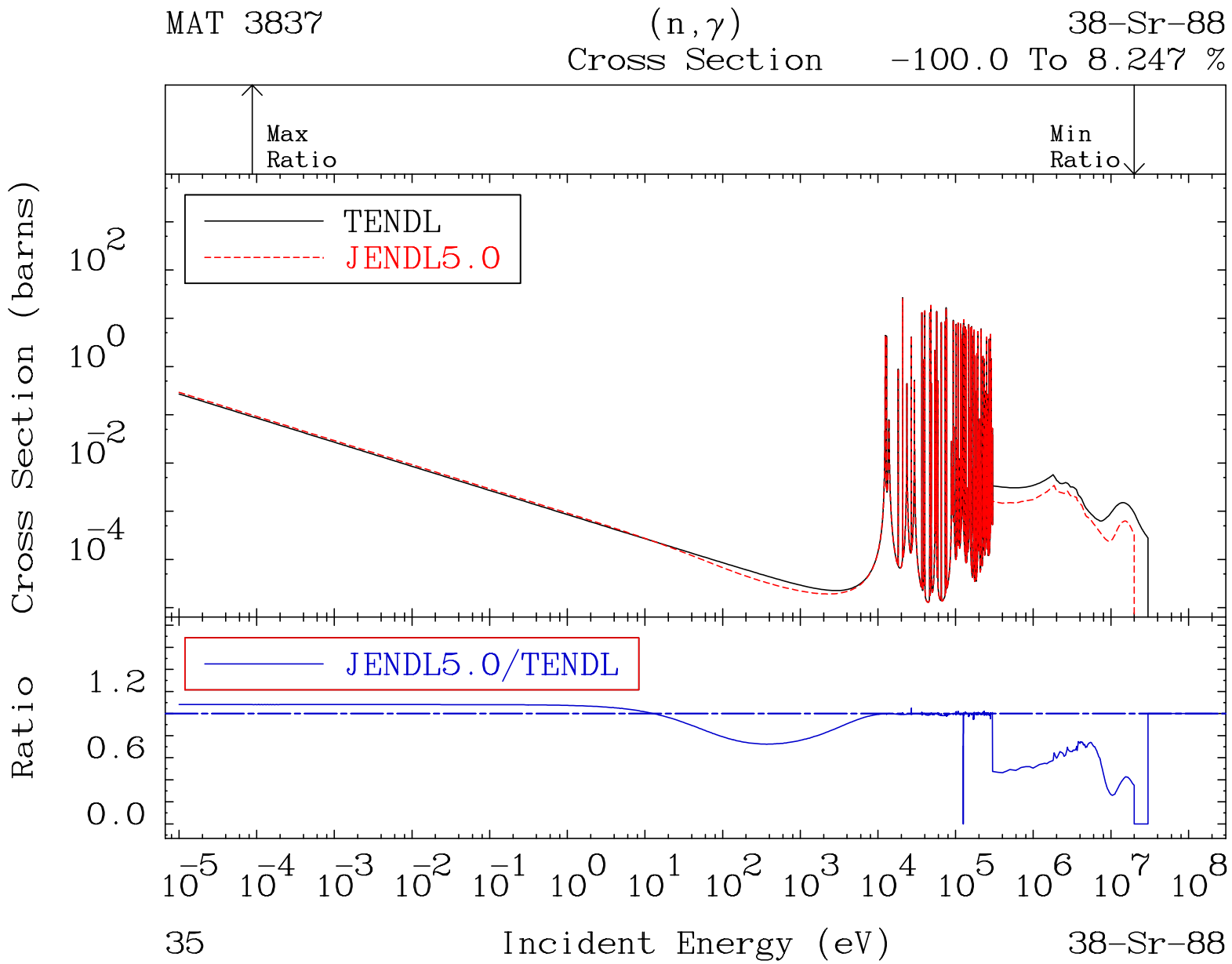

MAT 3837
MT= 72 (n,n') Level
38-Sr-88
Cross Section -100.0 To 1.222 %
Min Ratio
Max Ratio
TENDL Threshold 4.3118 MeV
JENDL5.0 Threshold 4.4050 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
38-Sr-88

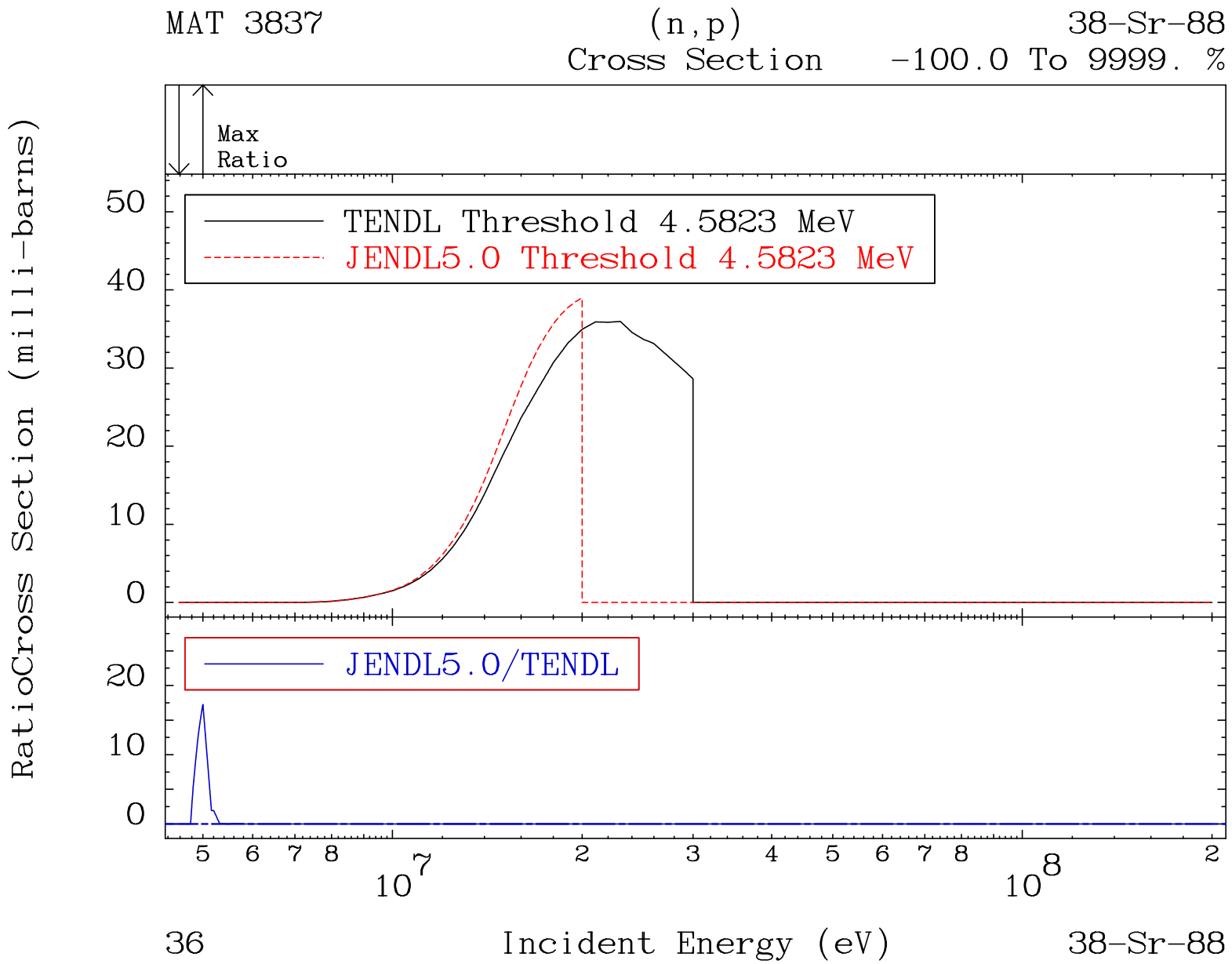

MAT 3837
MT= 73 (n,n') Level
38-Sr-88
Cross Section -100.0 To 7.149 %
Min Ratio
Max Ratio
TENDL Threshold 4.3177 MeV
JENDL5.0 Threshold 4.4180 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
38-Sr-88

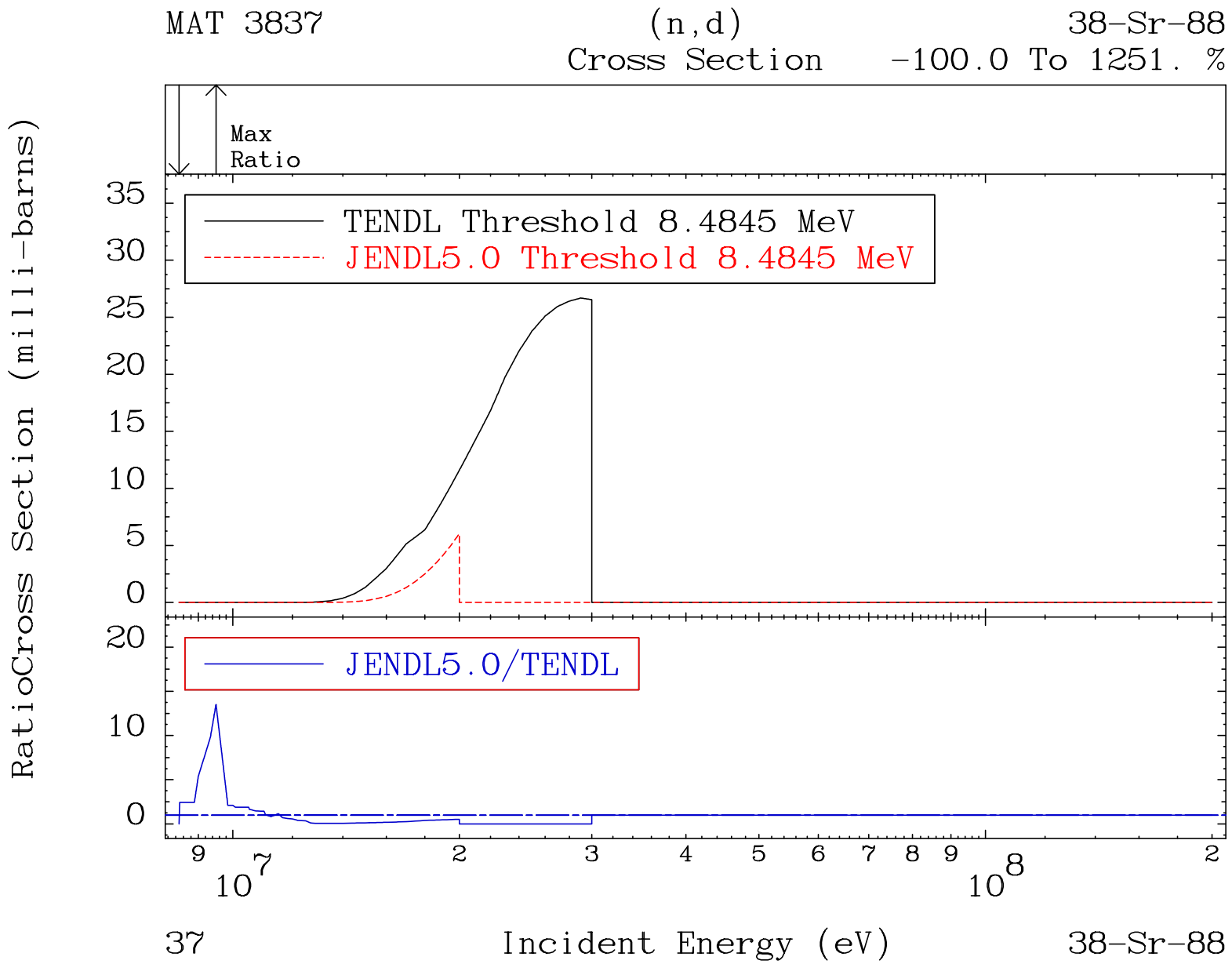

MAT 3837
MT= 74 (n,n') Level
38-Sr-88
Cross Section -100.0 To 40.72 %
Min Ratio
Max Ratio
TENDL Threshold 4.3489 MeV
JENDL5.0 Threshold 4.4646 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
2.0
1.0
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
38-Sr-88

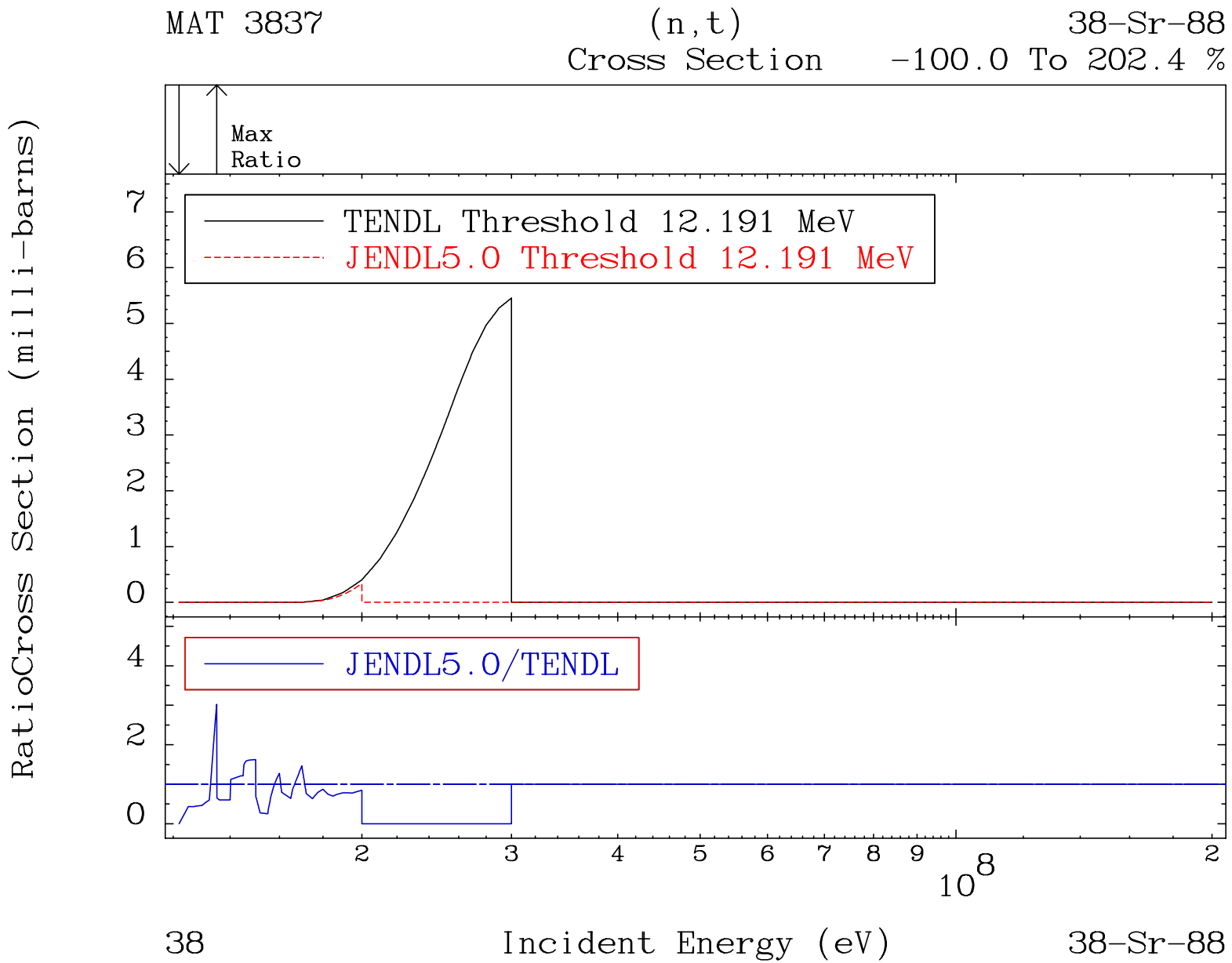

MAT 3837
MT= 75 (n,n') Level
38-Sr-88
Cross Section
-100.0 To 76.67 %
Max
Ratio
TENDL Threshold 4.4039 MeV
JENDL5.0 Threshold 4.4917 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
2.0
1.0
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
38-Sr-88

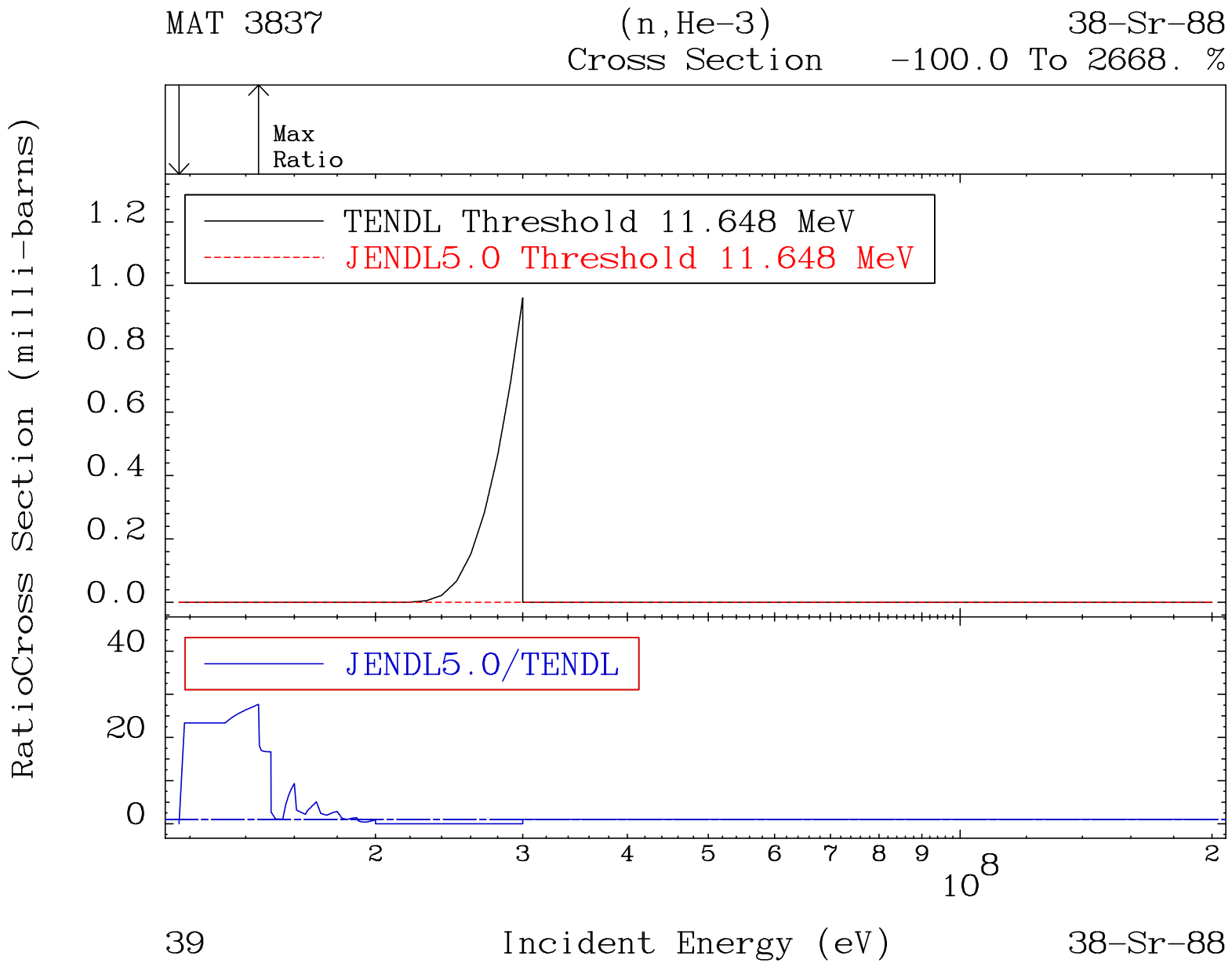

MAT 3837
(n,n') Continuum
Cross Section
38-Sr-88
-100.0 To 150.5 %
Max Ratio
Min Ratio
TENDL Threshold 4.4039 MeV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
2
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
34
Incident Energy (eV)
38-Sr-88

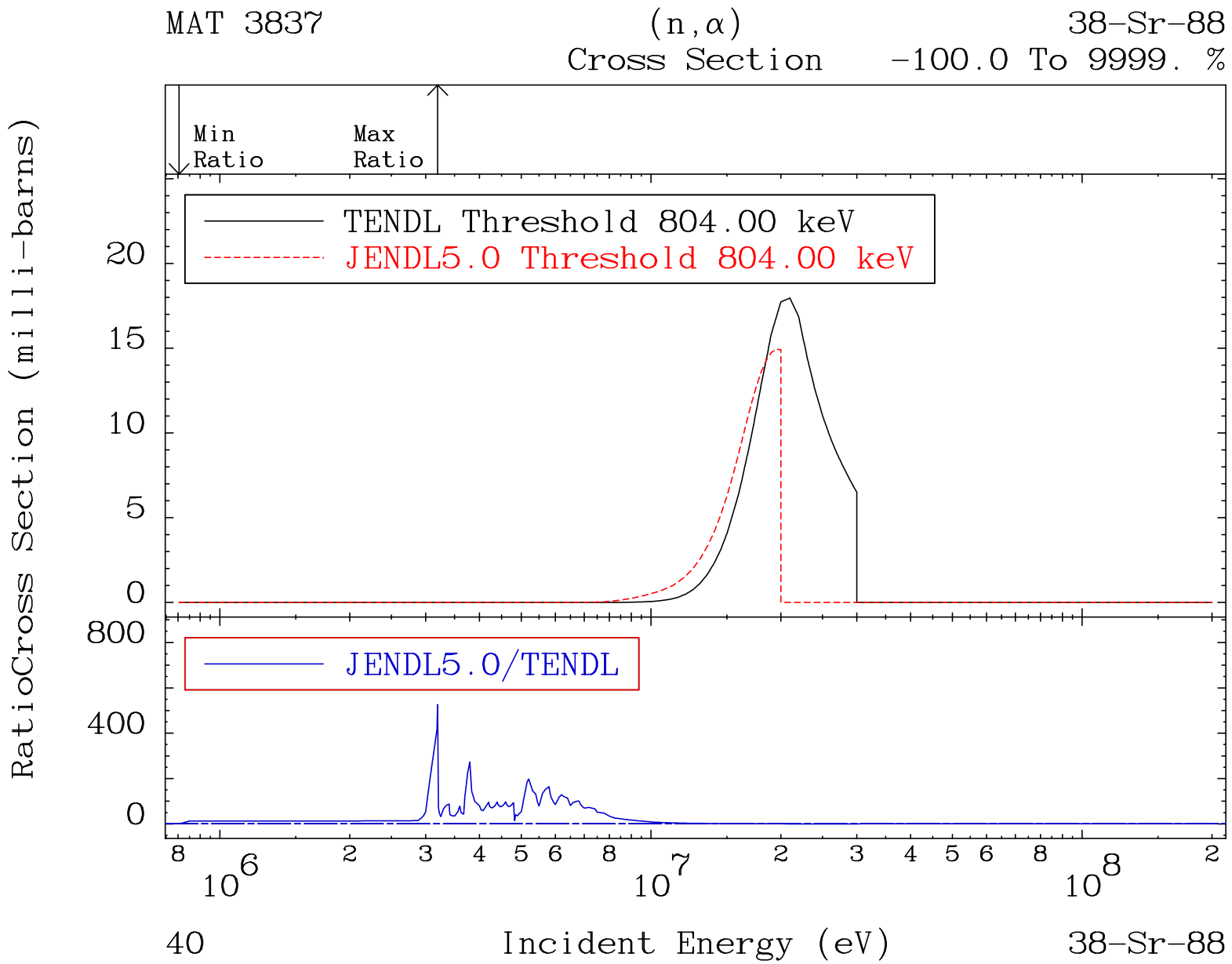

MAT 3837
(n,γ)
Cross Section
38-Sr-88
-100.0 To 8.247 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
35
38-Sr-88

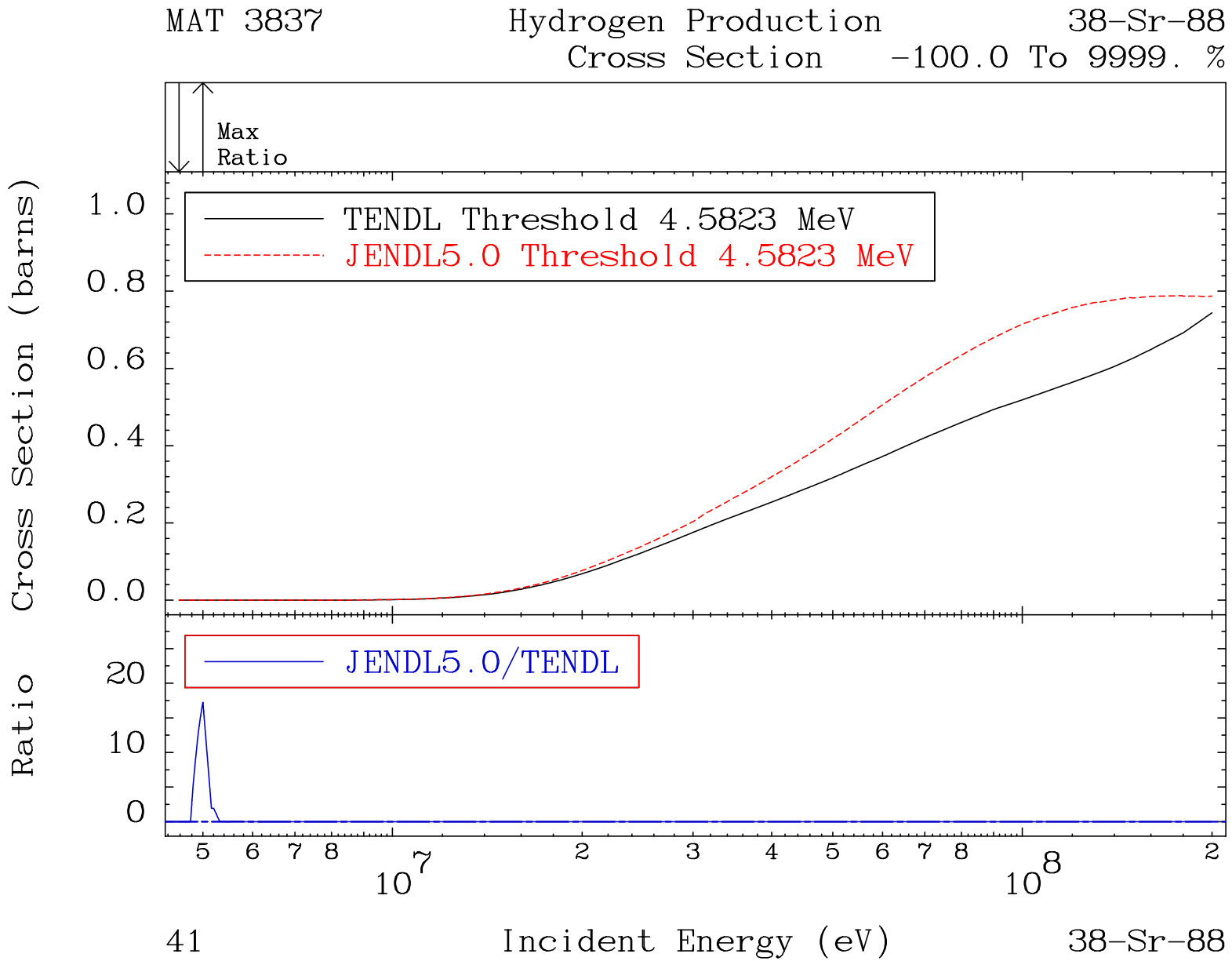

MAT 3837
(n,p)
38-Sr-88
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 4.5823 MeV
JENDL5.0 Threshold 4.5823 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
20
10
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
38-Sr-88

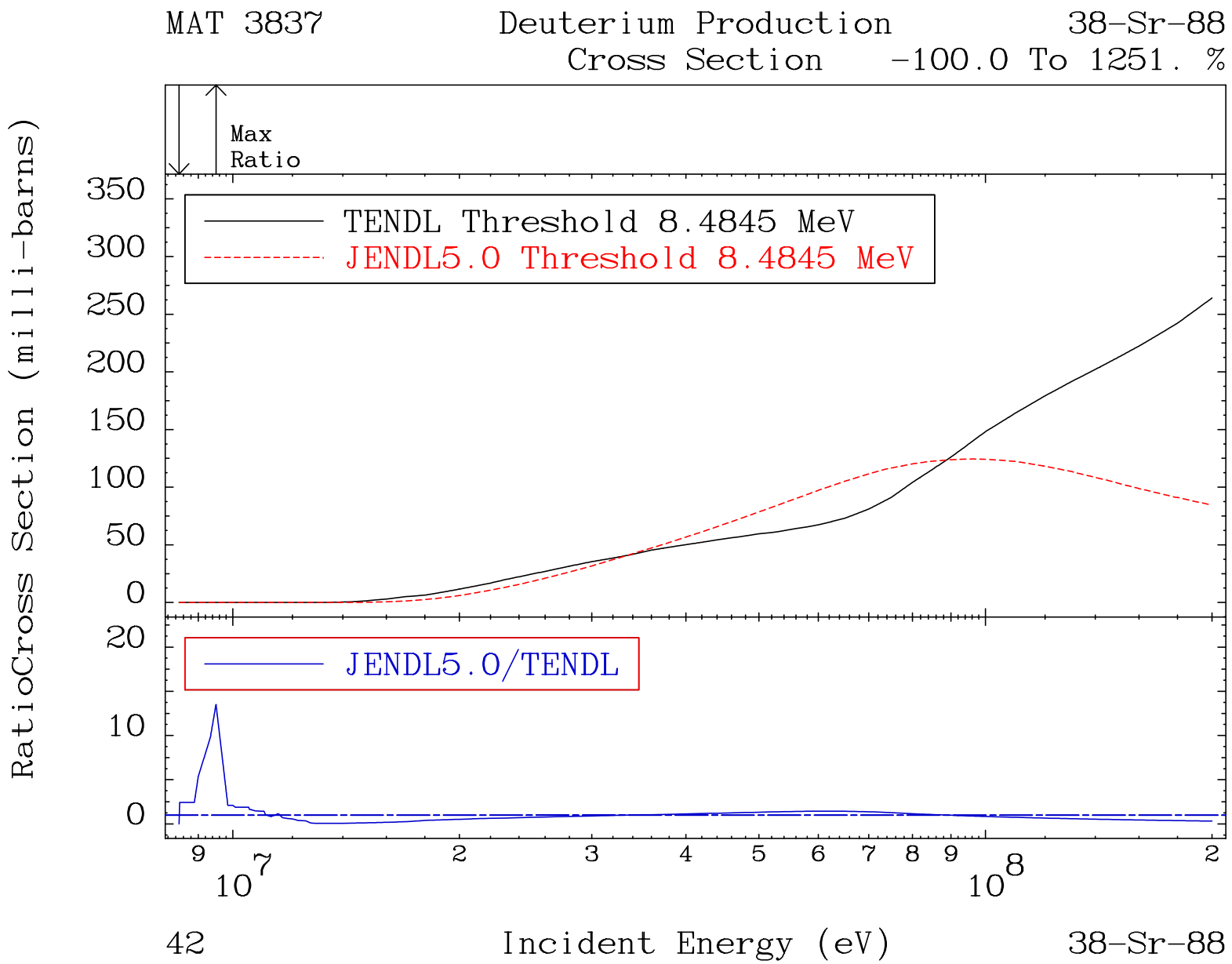

MAT 3837
(n,d)
38-Sr-88
Cross Section
-100.0 To 1251. %
Max
Ratio
TENDL Threshold 8.4845 MeV
JENDL5.0 Threshold 8.4845 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
20
10
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
37
Incident Energy (eV)
38-Sr-88

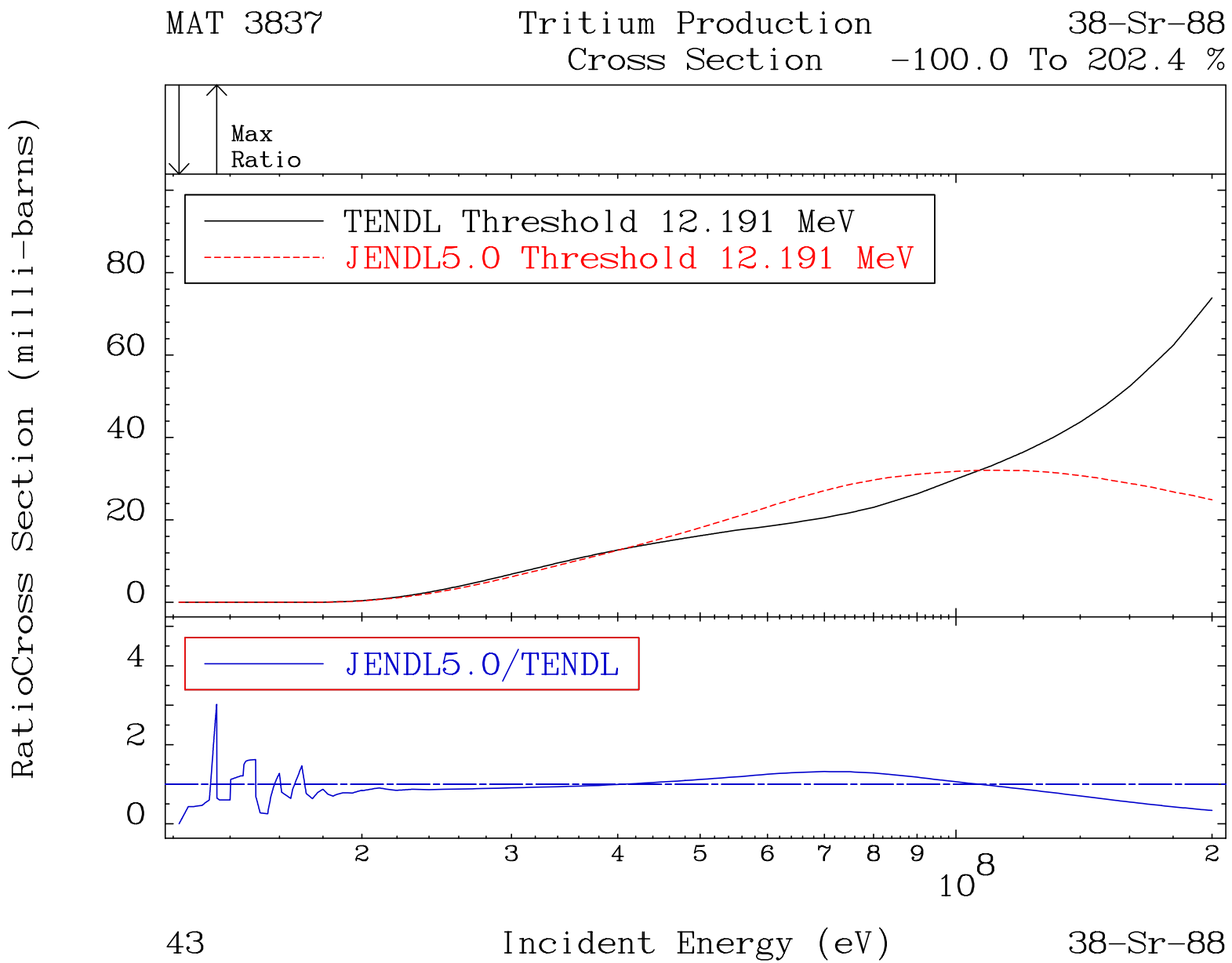

MAT 3837
(n,t)
38-Sr-88
Cross Section
-100.0 To 202.4 %
Max
Ratio
TENDL Threshold 12.191 MeV
JENDL5.0 Threshold 12.191 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
6
7
0
2
4
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
38-Sr-88

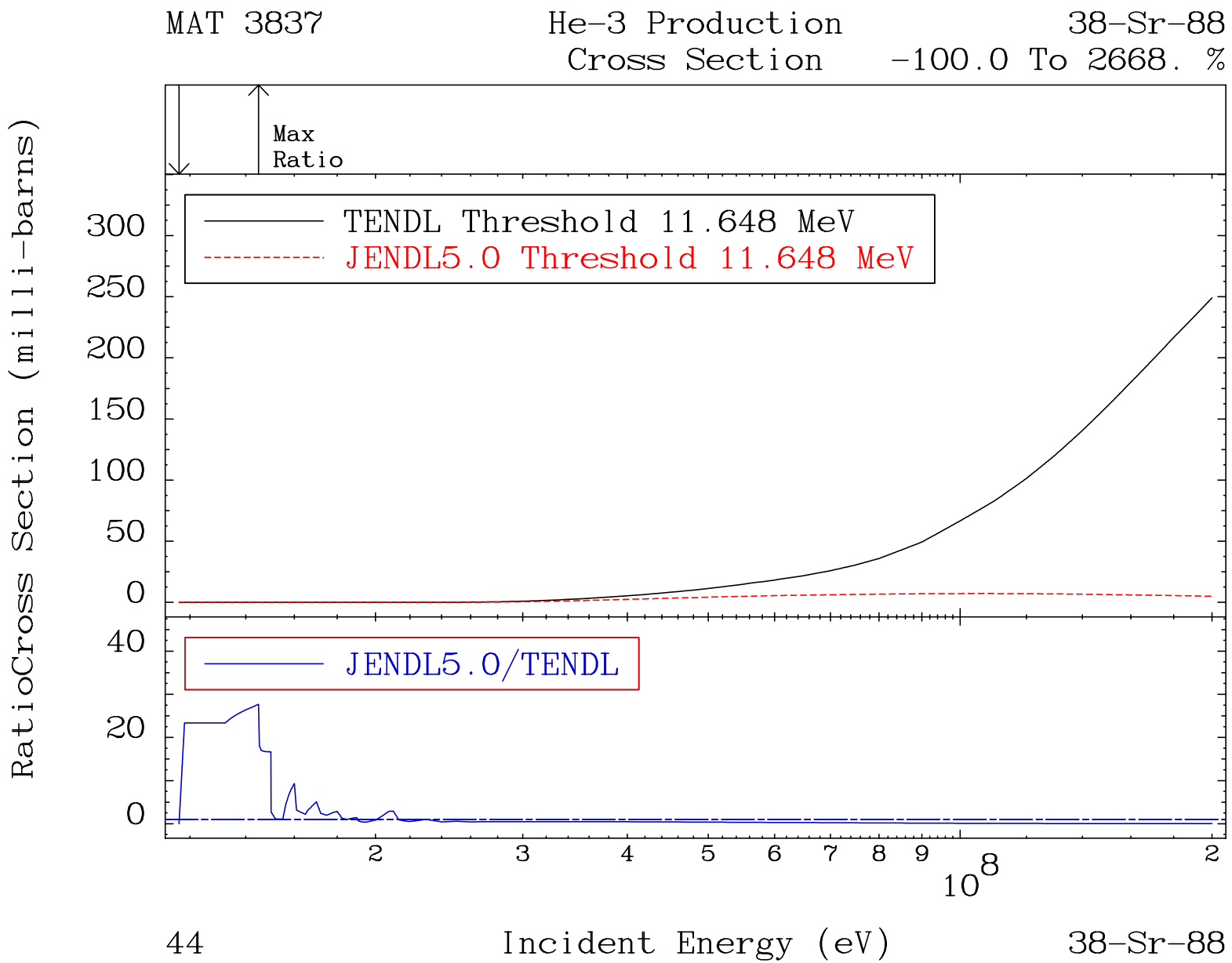

MAT 3837
(n,He-3)
38-Sr-88
Cross Section
-100.0 To 2668. %
Max
Ratio
TENDL Threshold 11.648 MeV
JENDL5.0 Threshold 11.648 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
40
20
0
2
3
4
5
6
7
8
9
2
10^8
39
Incident Energy (eV)
38-Sr-88

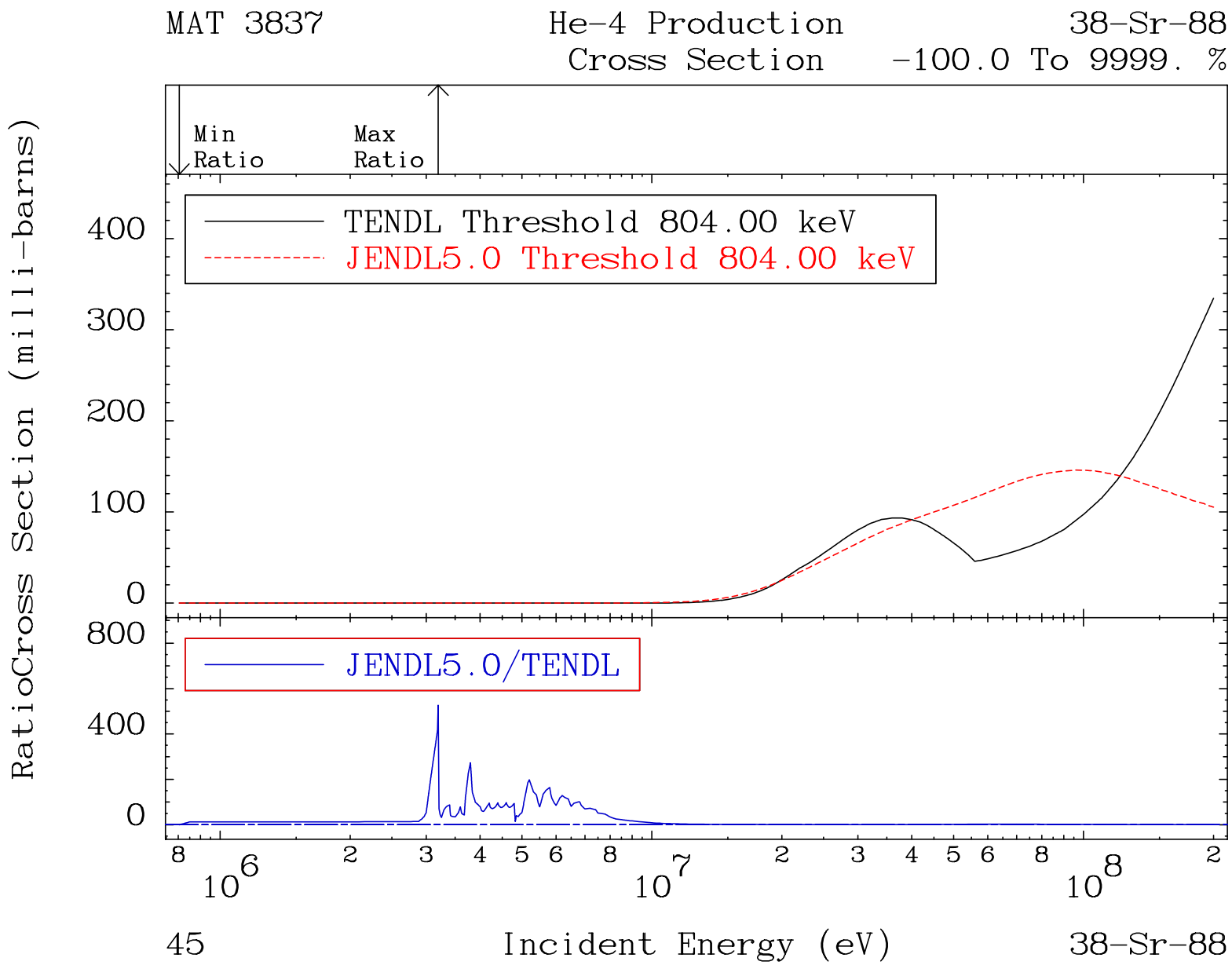

MAT 3837
(n,α)
38-Sr-88
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 804.00 keV
JENDL5.0 Threshold 804.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
800
400
0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
40
Incident Energy (eV)
38-Sr-88

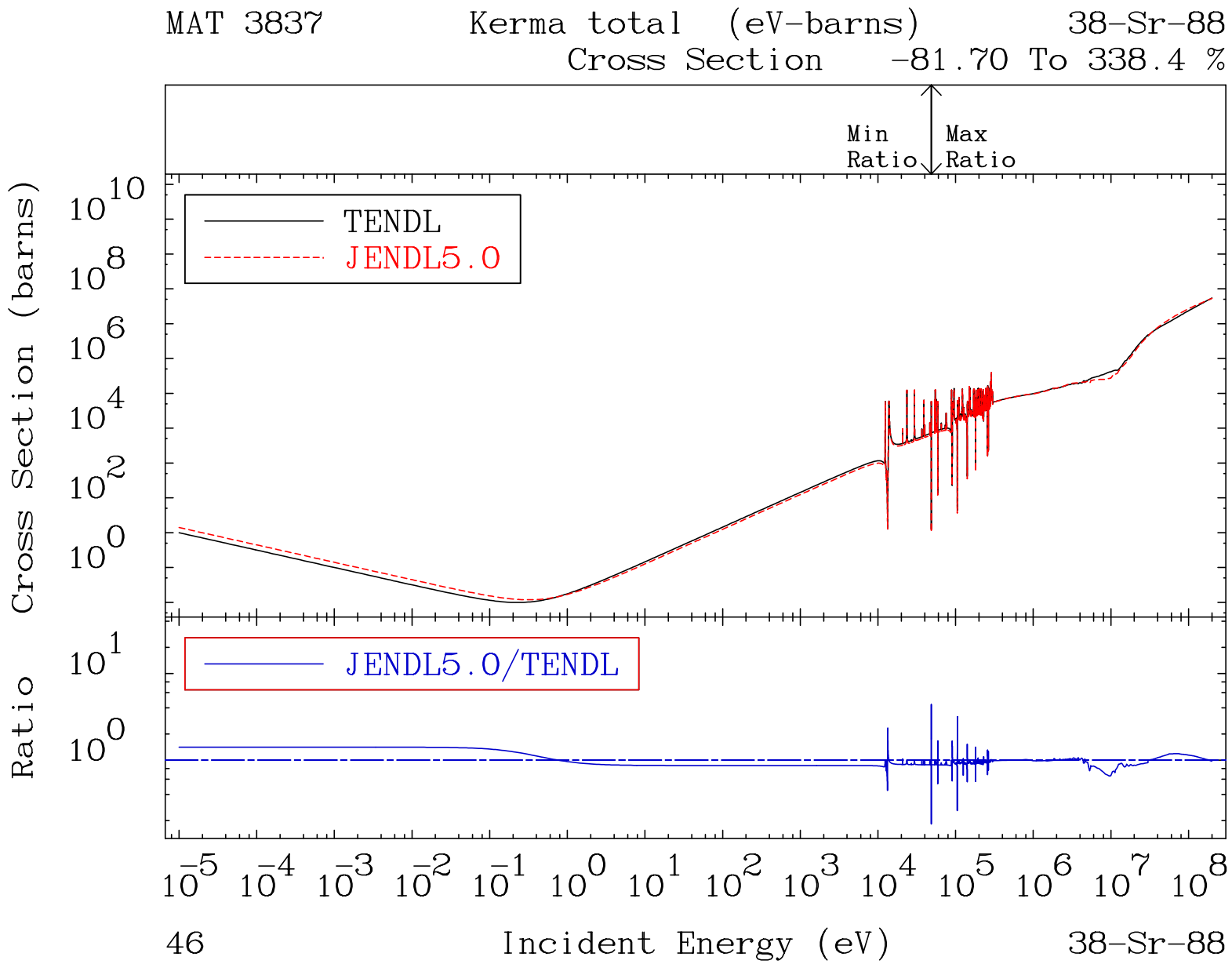

MAT 3837
Hydrogen Production
38-Sr-88
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 4.5823 MeV
JENDL5.0 Threshold 4.5823 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
20
10
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
38-Sr-88

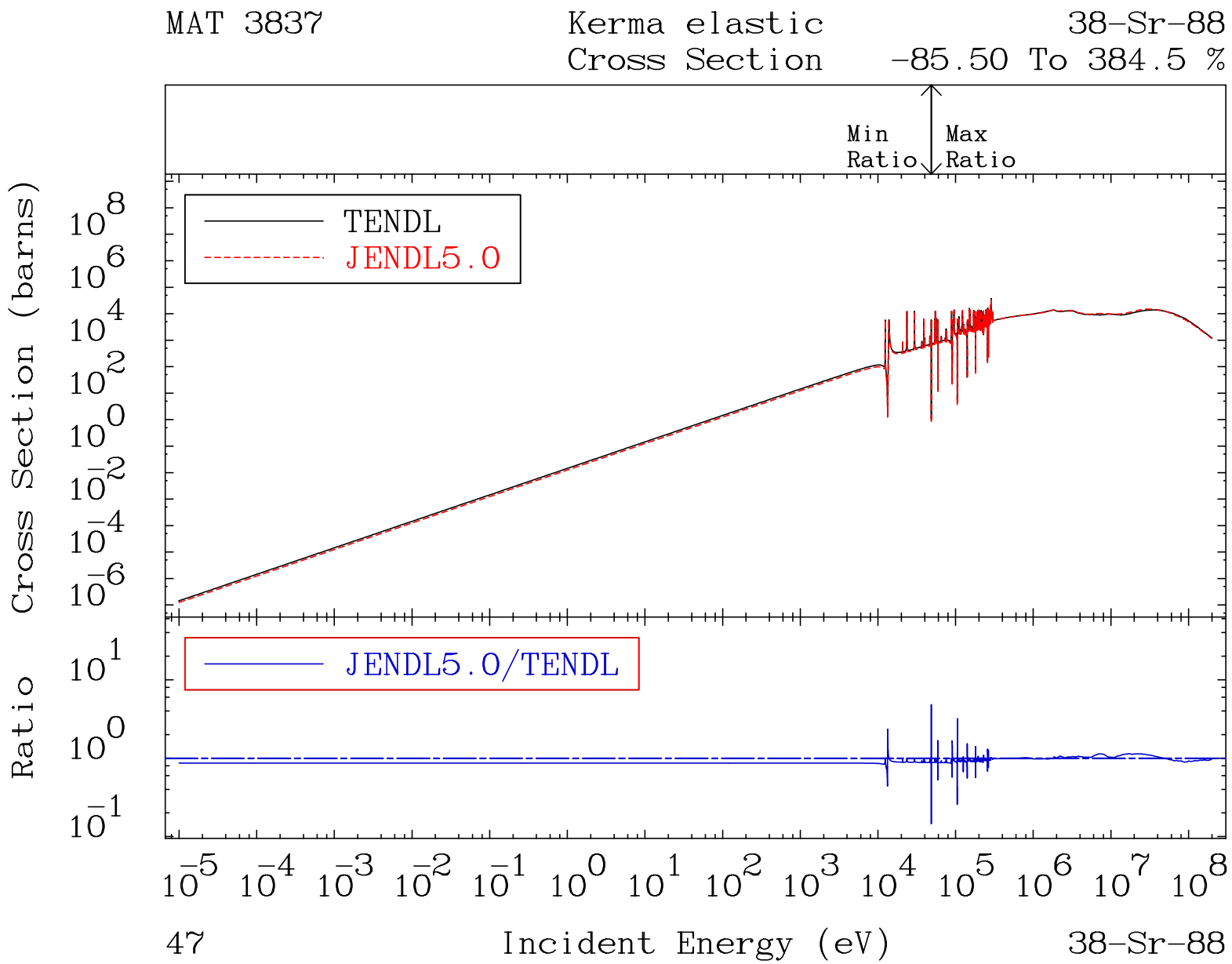

MAT 3837
Deuterium Production
38-Sr-88
Cross Section -100.0 To 1251. %
Max
Ratio
TENDL Threshold 8.4845 MeV
JENDL5.0 Threshold 8.4845 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
20
10
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
42
Incident Energy (eV)
38-Sr-88

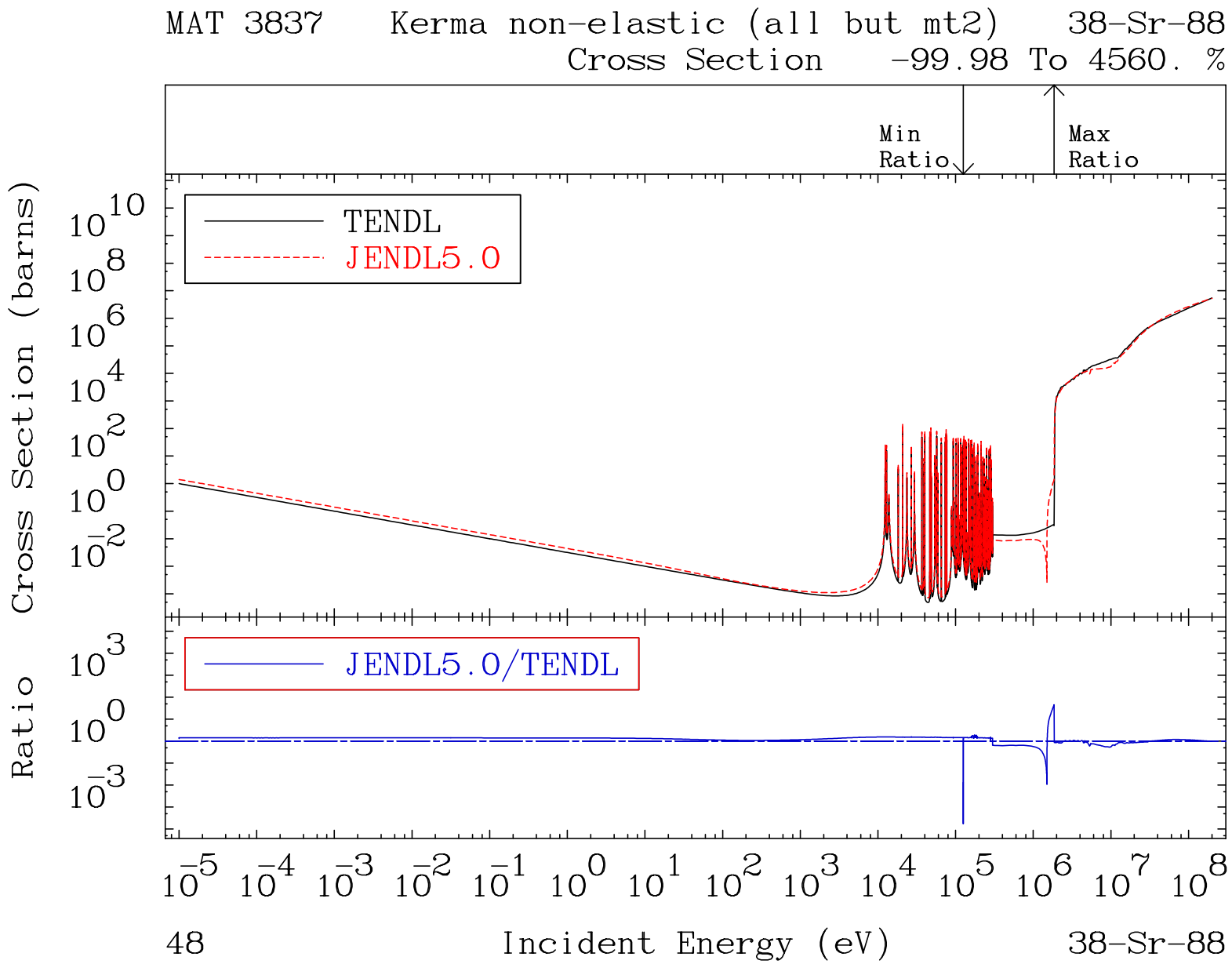

MAT 3837
Tritium Production
38-Sr-88
Cross Section
-100.0 To 202.4 %
Max
Ratio
TENDL Threshold 12.191 MeV
JENDL5.0 Threshold 12.191 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
38-Sr-88

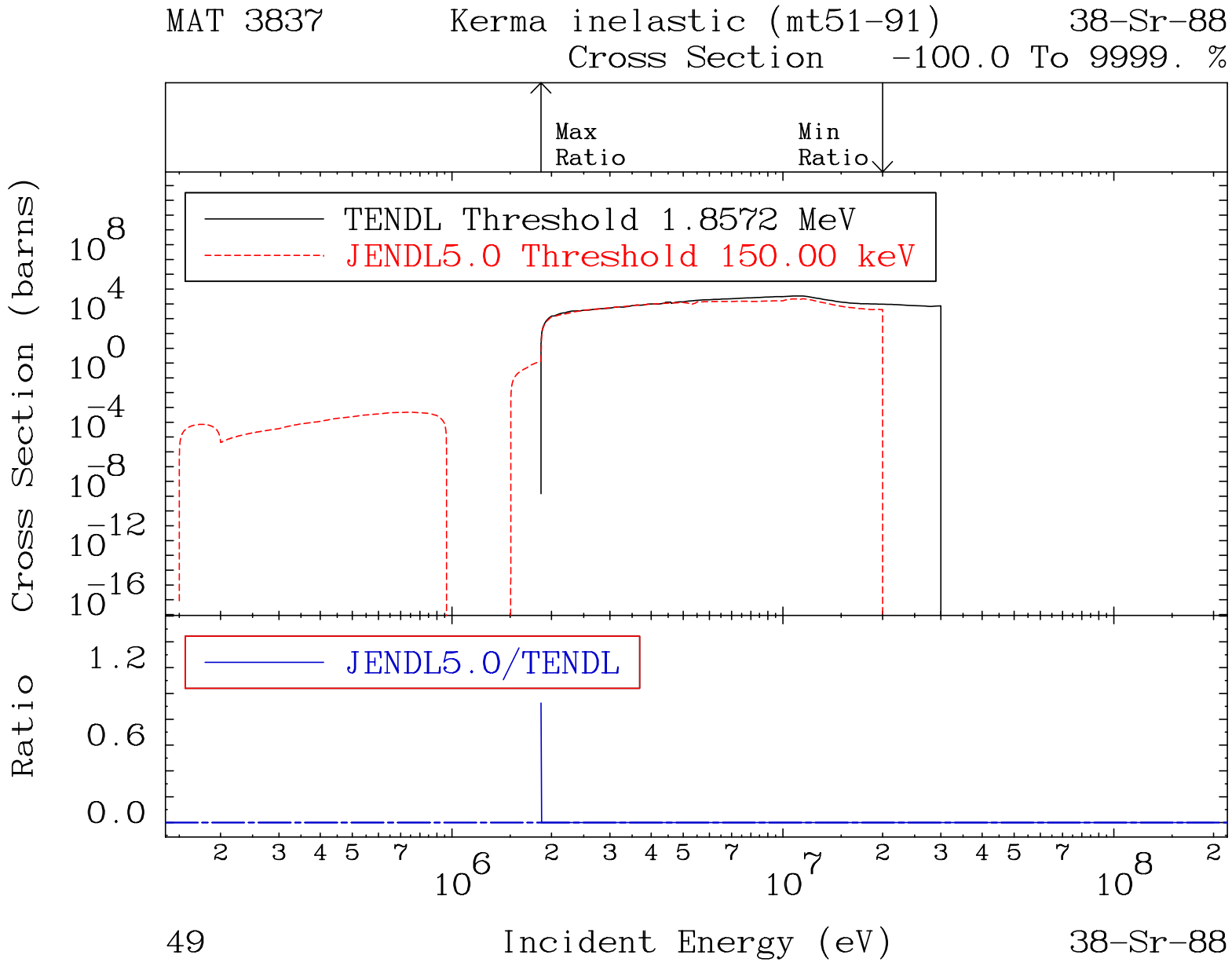

MAT 3837
He-3 Production
Cross Section
38-Sr-88
-100.0 To 2668. %
Max
Ratio
TENDL Threshold 11.648 MeV
JENDL5.0 Threshold 11.648 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
40
20
0
2
3
4
5
6
7
8
9
2
10^8
44
Incident Energy (eV)
38-Sr-88

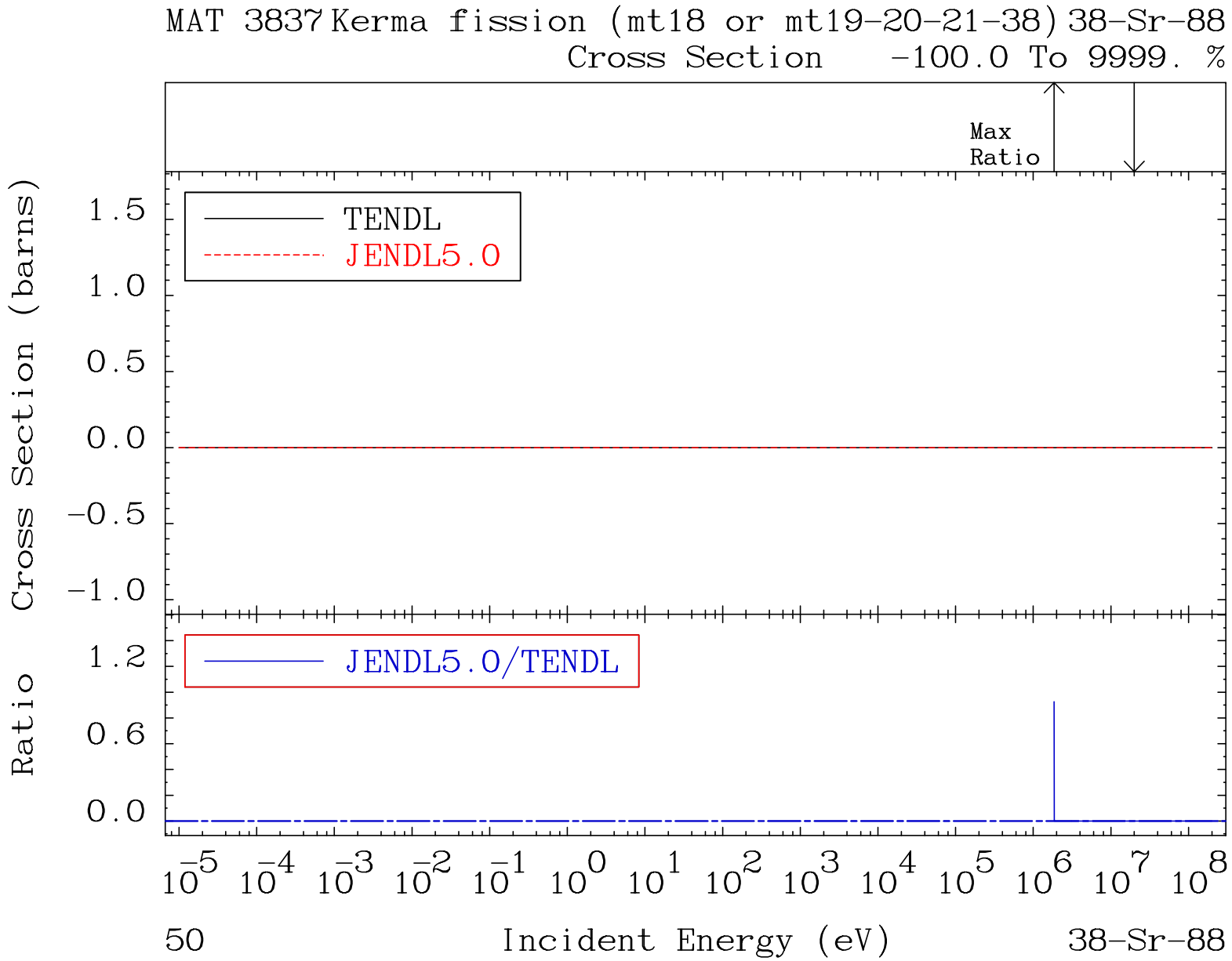

MAT 3837
He-4 Production
Cross Section
38-Sr-88
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 804.00 keV
JENDL5.0 Threshold 804.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
800
400
0
8
2
3
4
5
6
8
10^6
10^7
10^8
45
Incident Energy (eV)
38-Sr-88

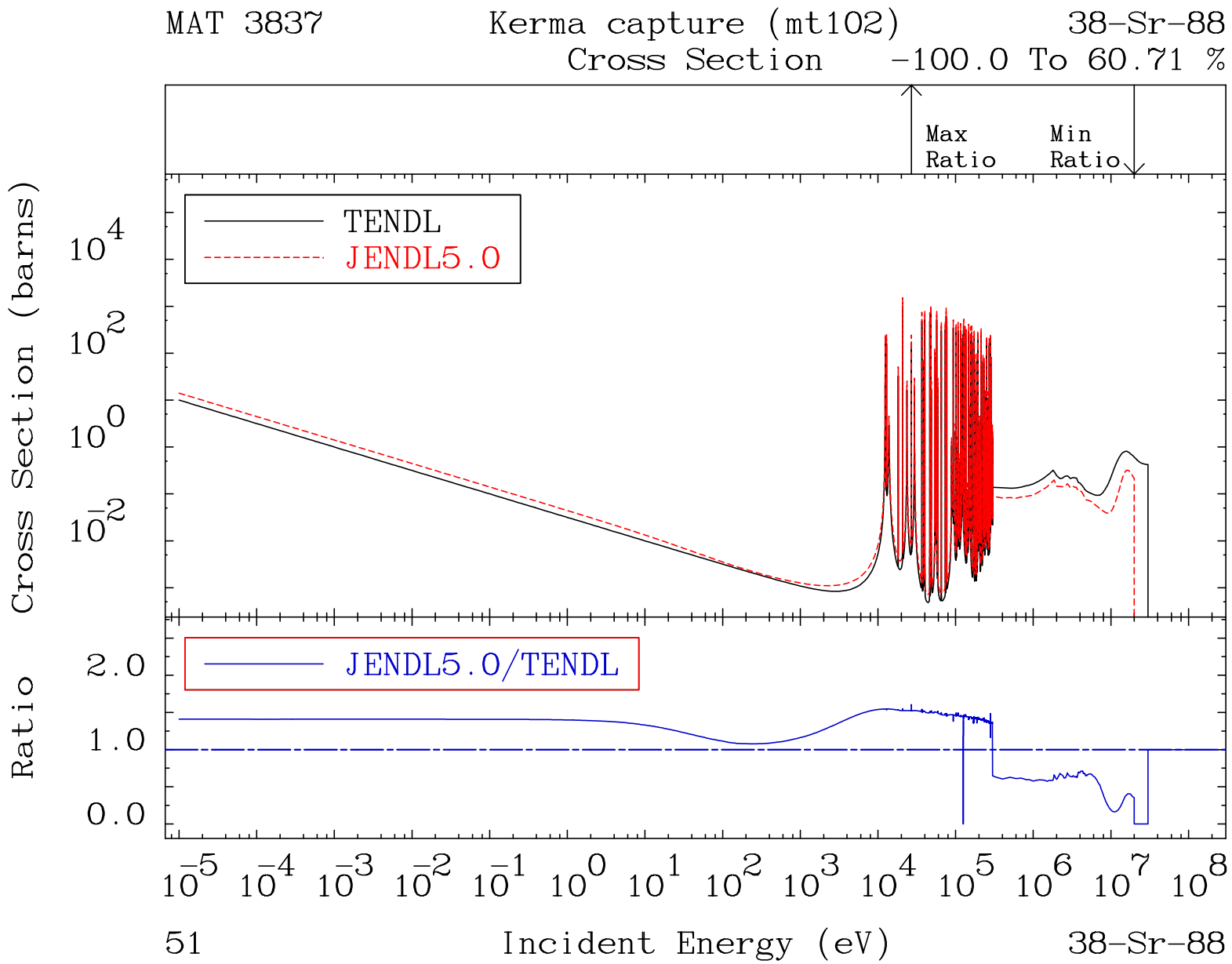

MAT 3837
Kerma total (eV-barns)
38-Sr-88
Cross Section -81.70 To 338.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
38-Sr-88

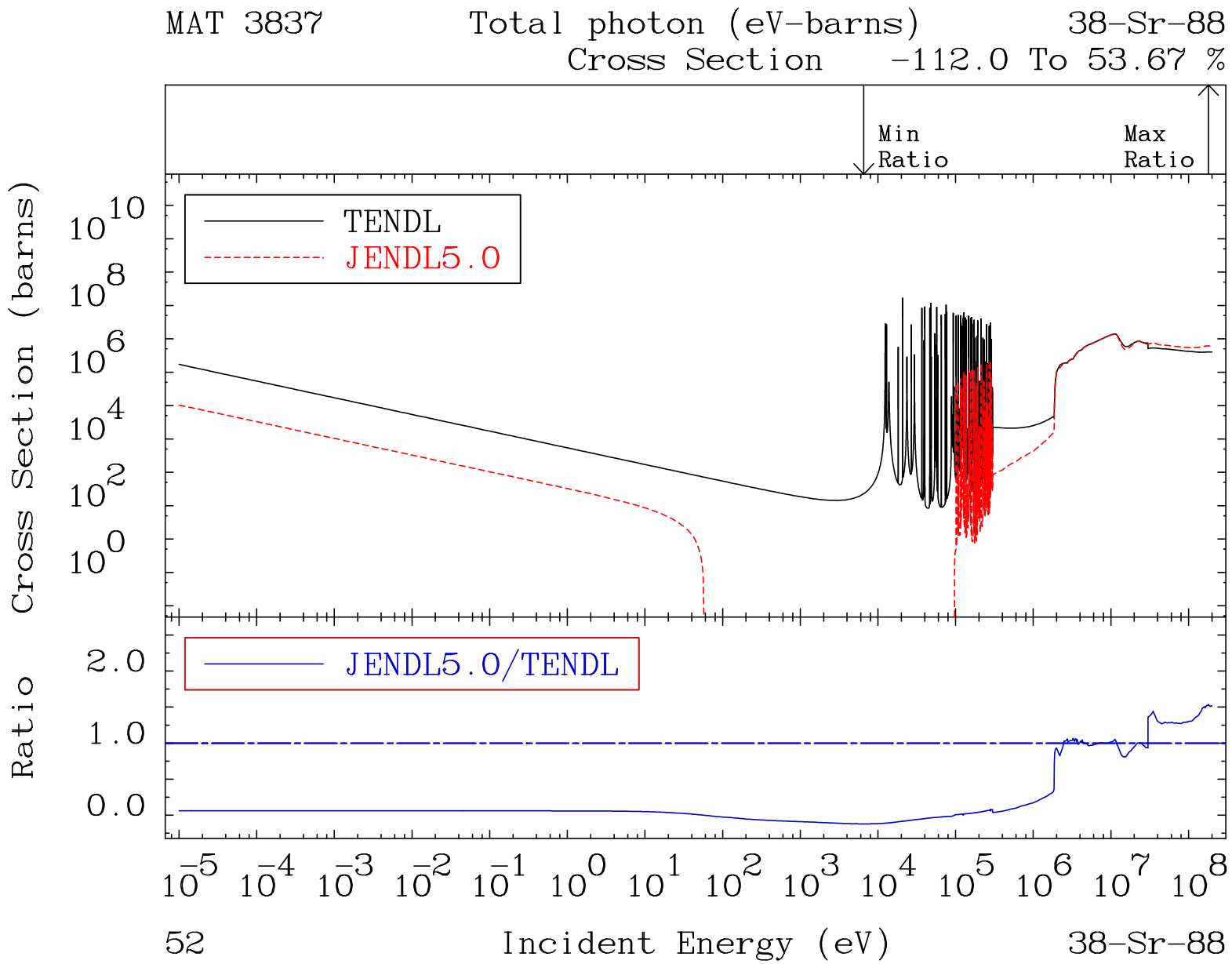

MAT 3837
Kerma elastic
Cross Section
38-Sr-88
-85.50 To 384.5 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
38-Sr-88

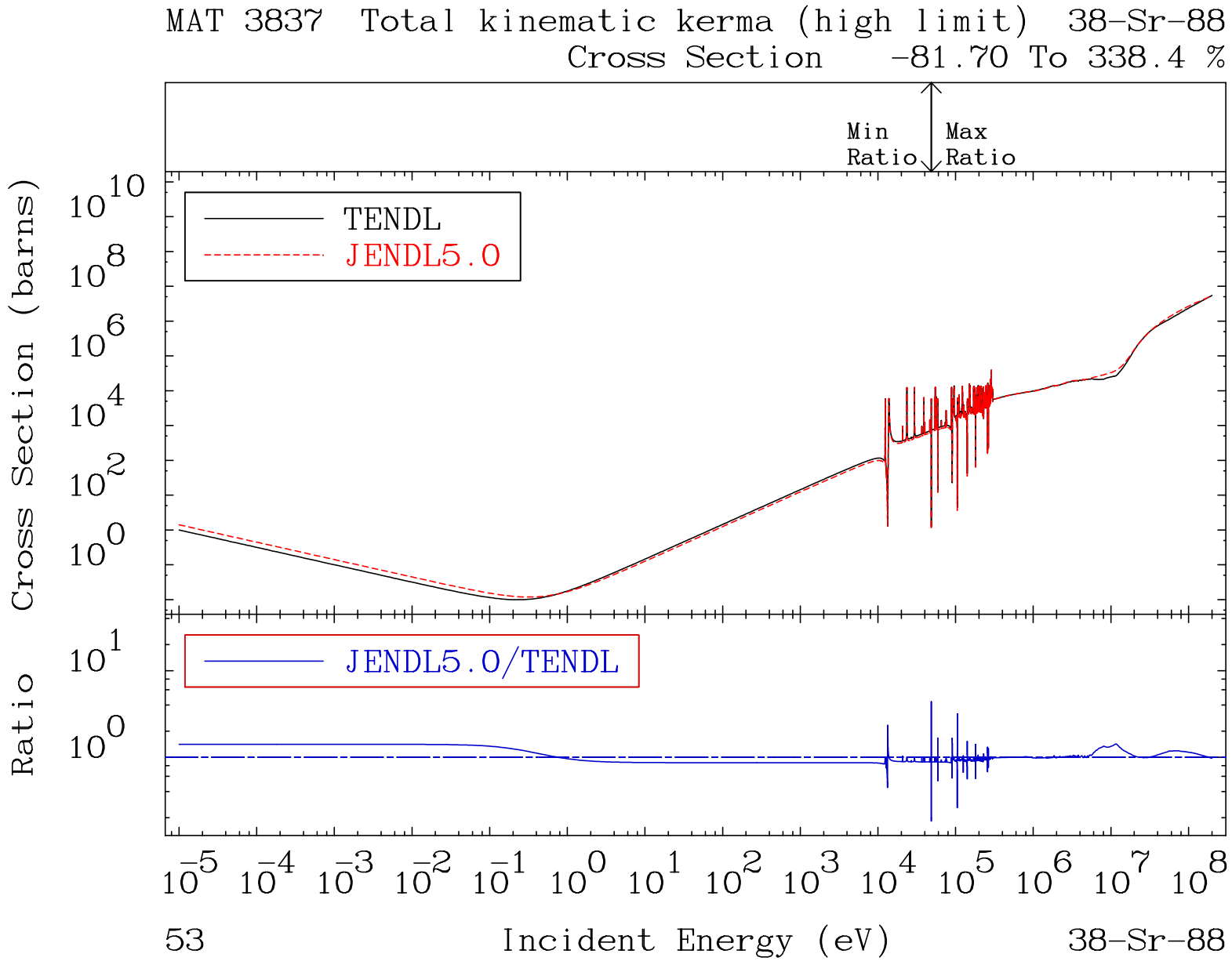

MAT 3837 Kerma non-elastic (all but mt2) 38-Sr-88
Cross Section -99.98 To 4560. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
38-Sr-88

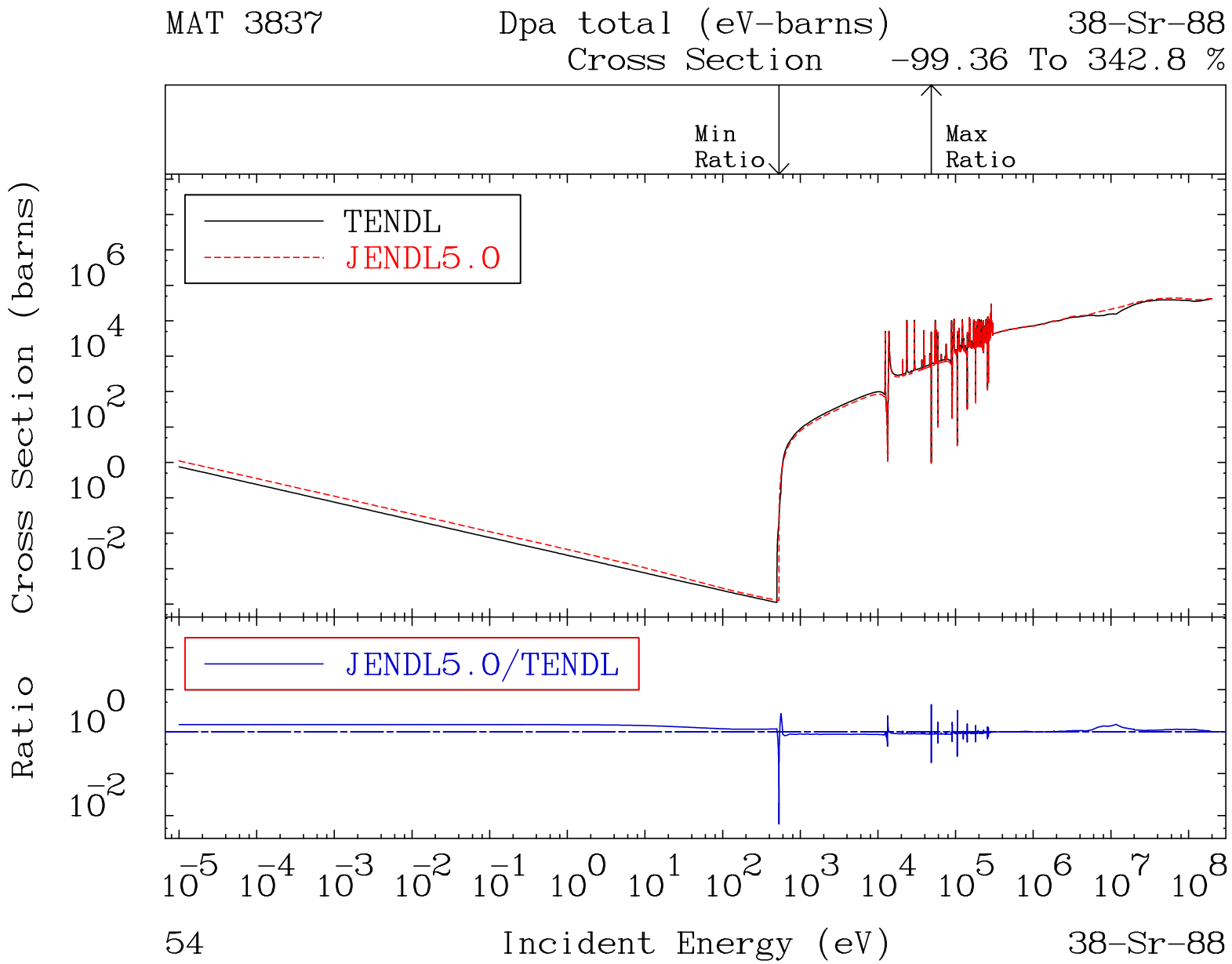

MAT 3837
Kerma inelastic (mt51-91)
38-Sr-88
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.8572 MeV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
49
38-Sr-88

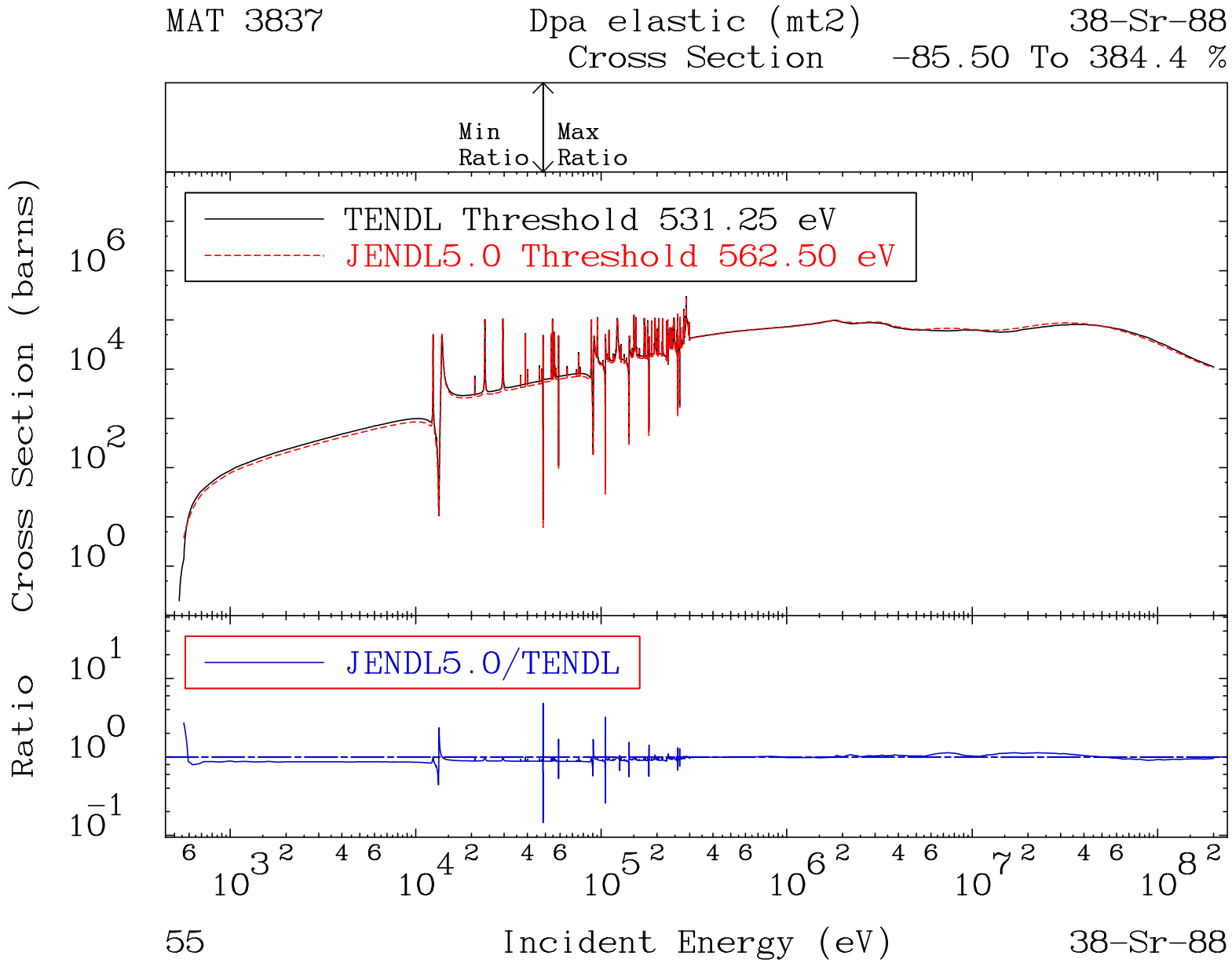

MAT 3837 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-88
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
1.2
0.6
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
50
38-Sr-88

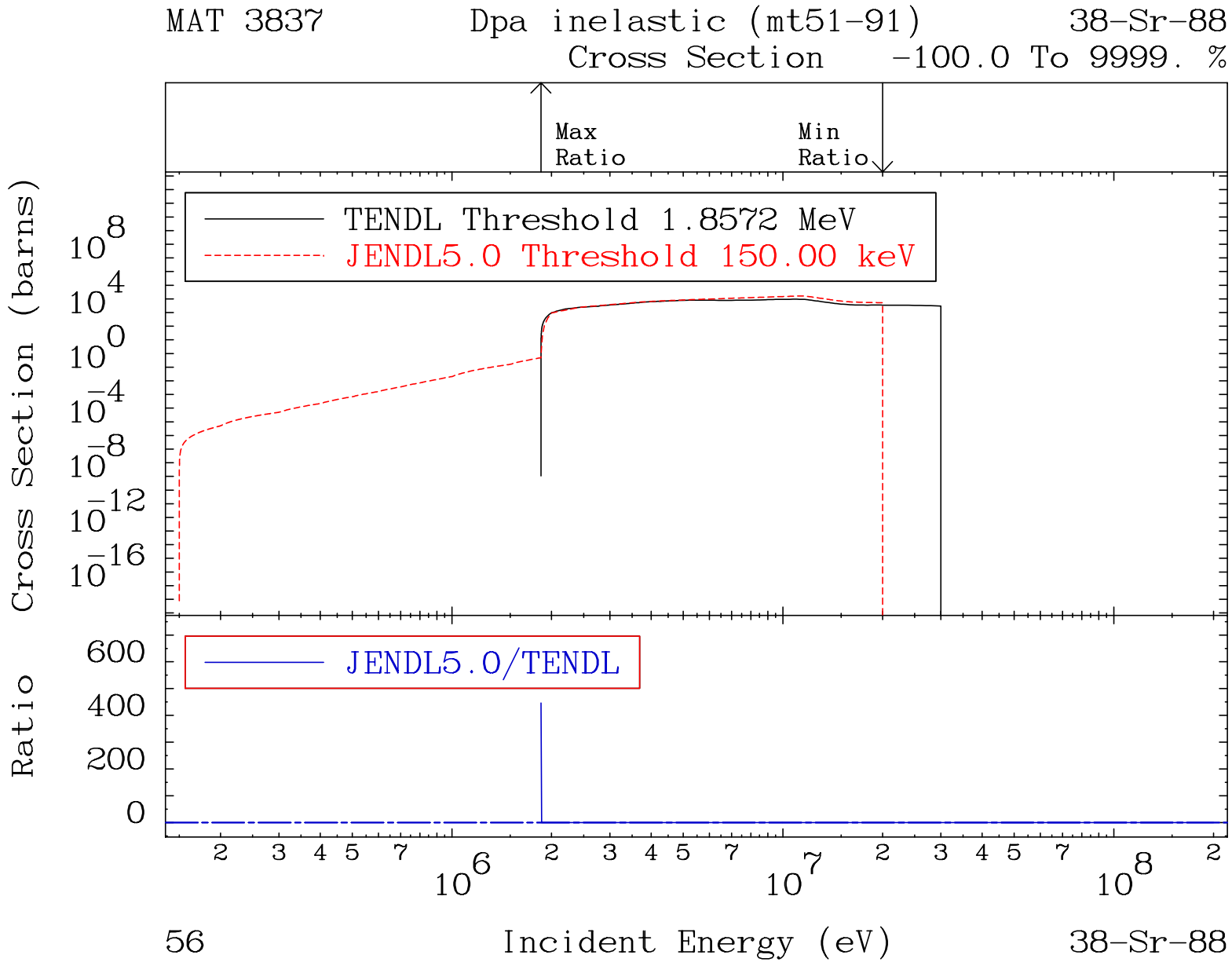

MAT 3837
Kerma capture (mt102)
38-Sr-88
Cross Section -100.0 To 60.71 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
51
38-Sr-88

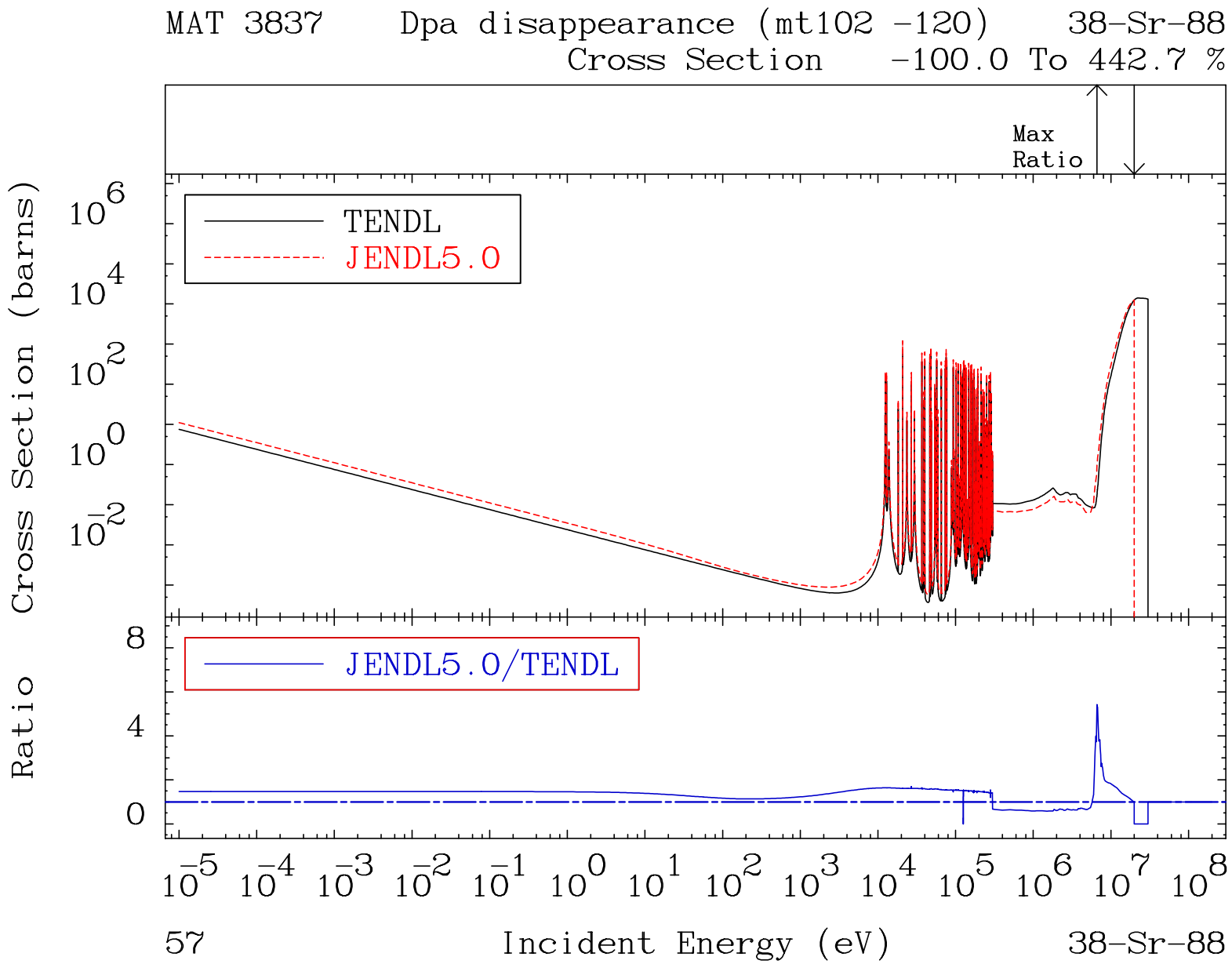

MAT 3837
Total photon (eV-barns)
38-Sr-88
Cross Section -112.0 To 53.67 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
52
38-Sr-88

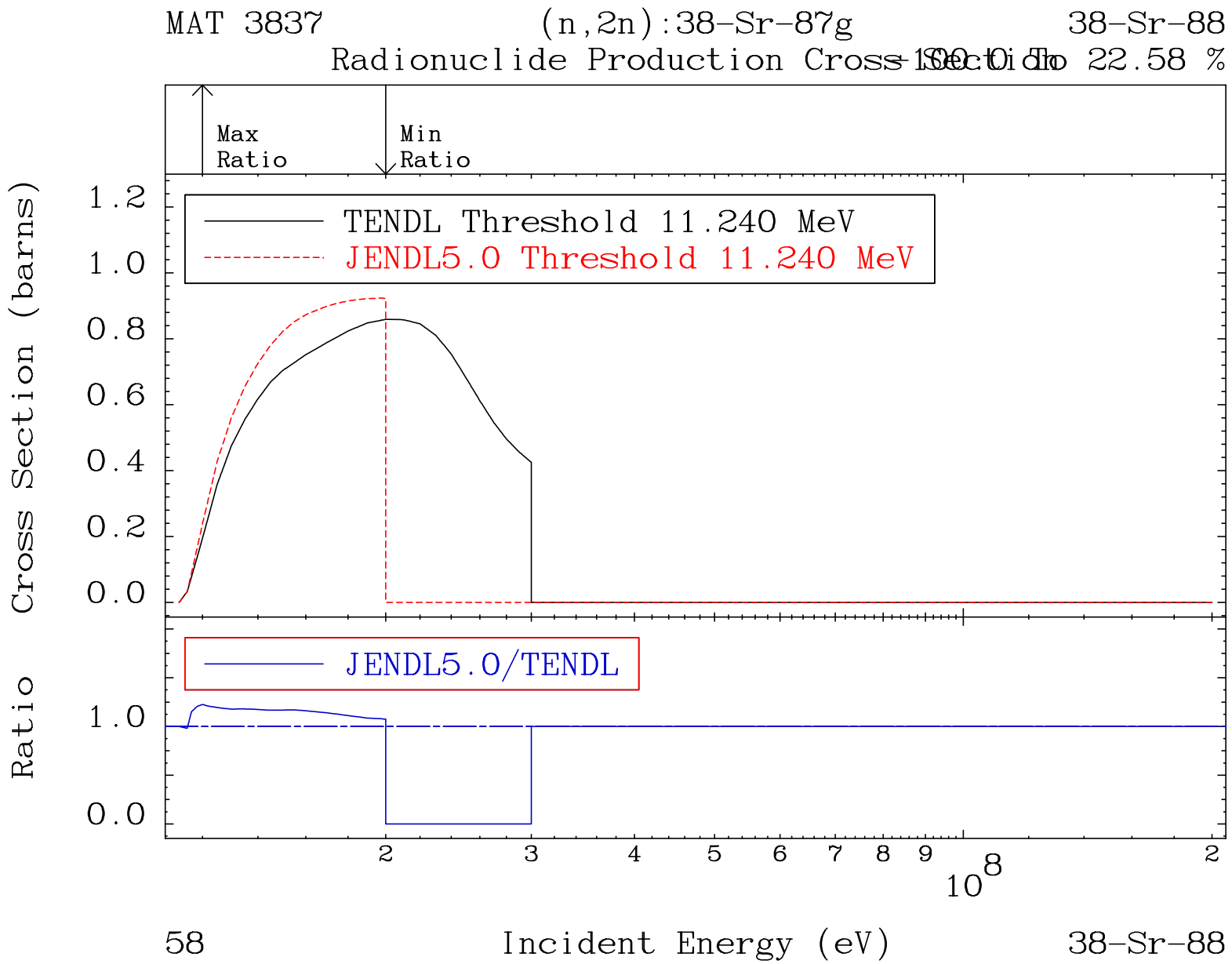

MAT 3837 Total kinematic kerma (high limit) 38-Sr-88
Cross Section -81.70 To 338.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
38-Sr-88

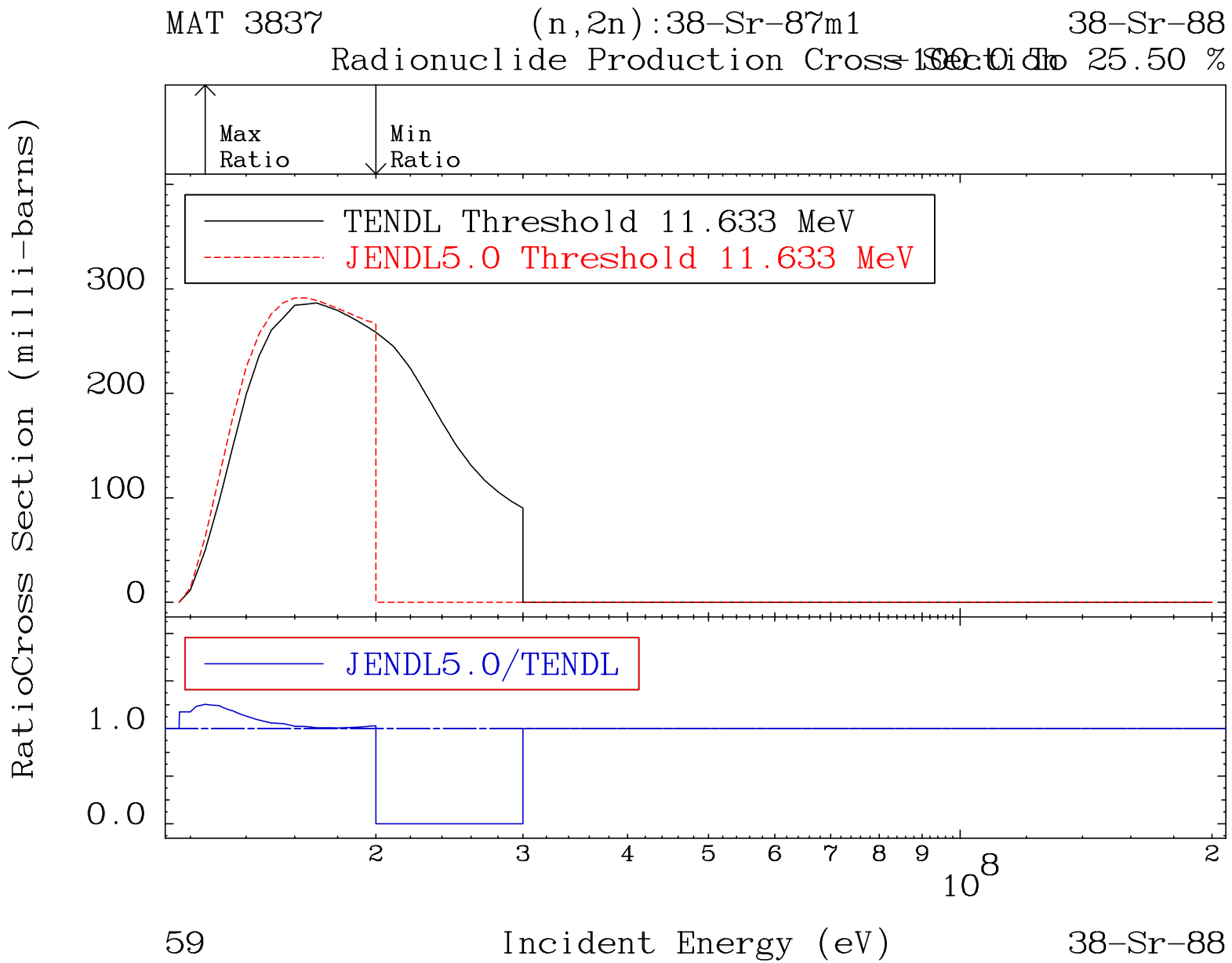

MAT 3837
Dpa total (eV-barns)
38-Sr-88
Cross Section -99.36 To 342.8 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
54
38-Sr-88

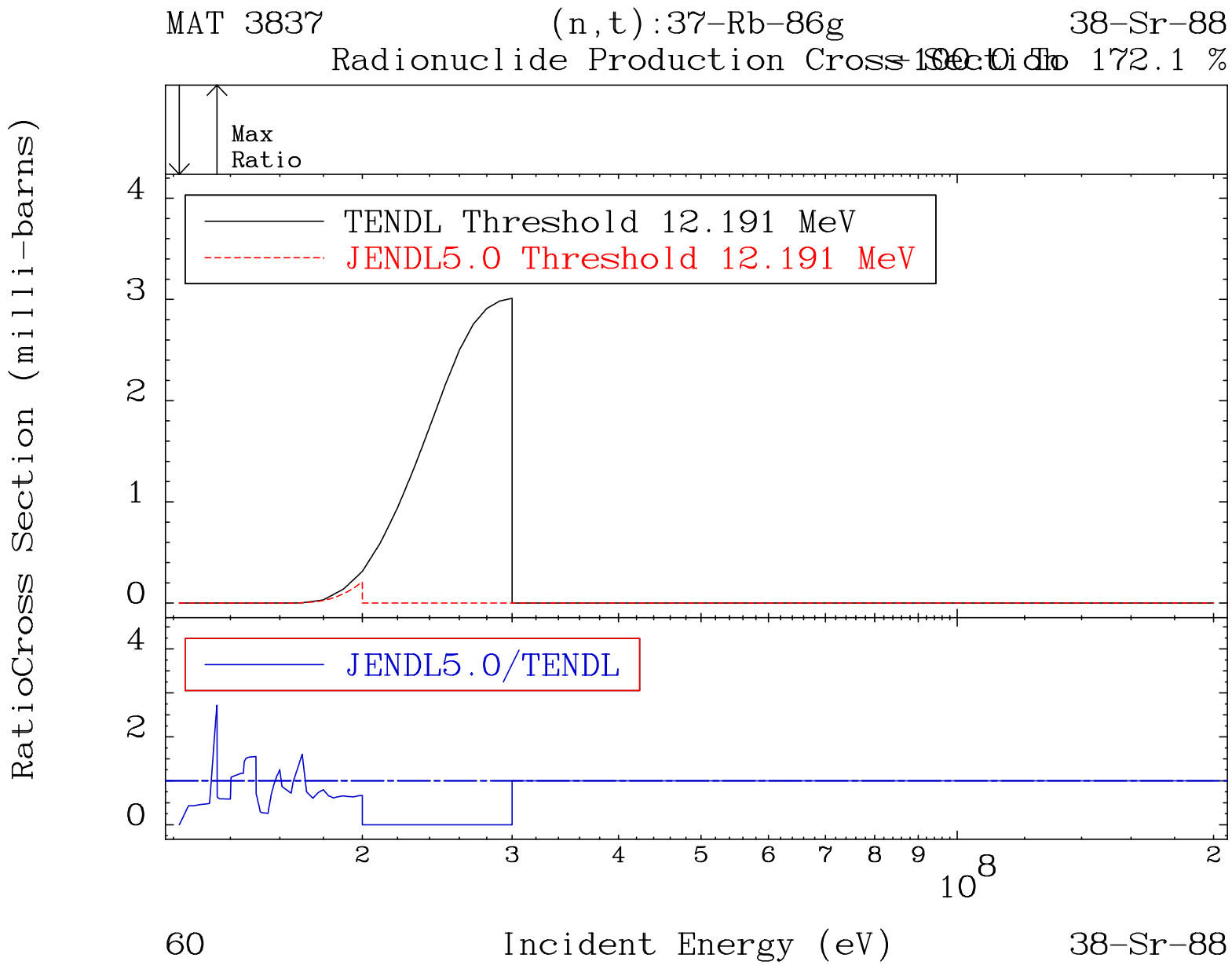

MAT 3837
Dpa elastic (mt2)
Cross Section
38-Sr-88
-85.50 To 384.4 %
Min Ratio
Max Ratio
TENDL Threshold 531.25 eV
JENDL5.0 Threshold 562.50 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
38-Sr-88

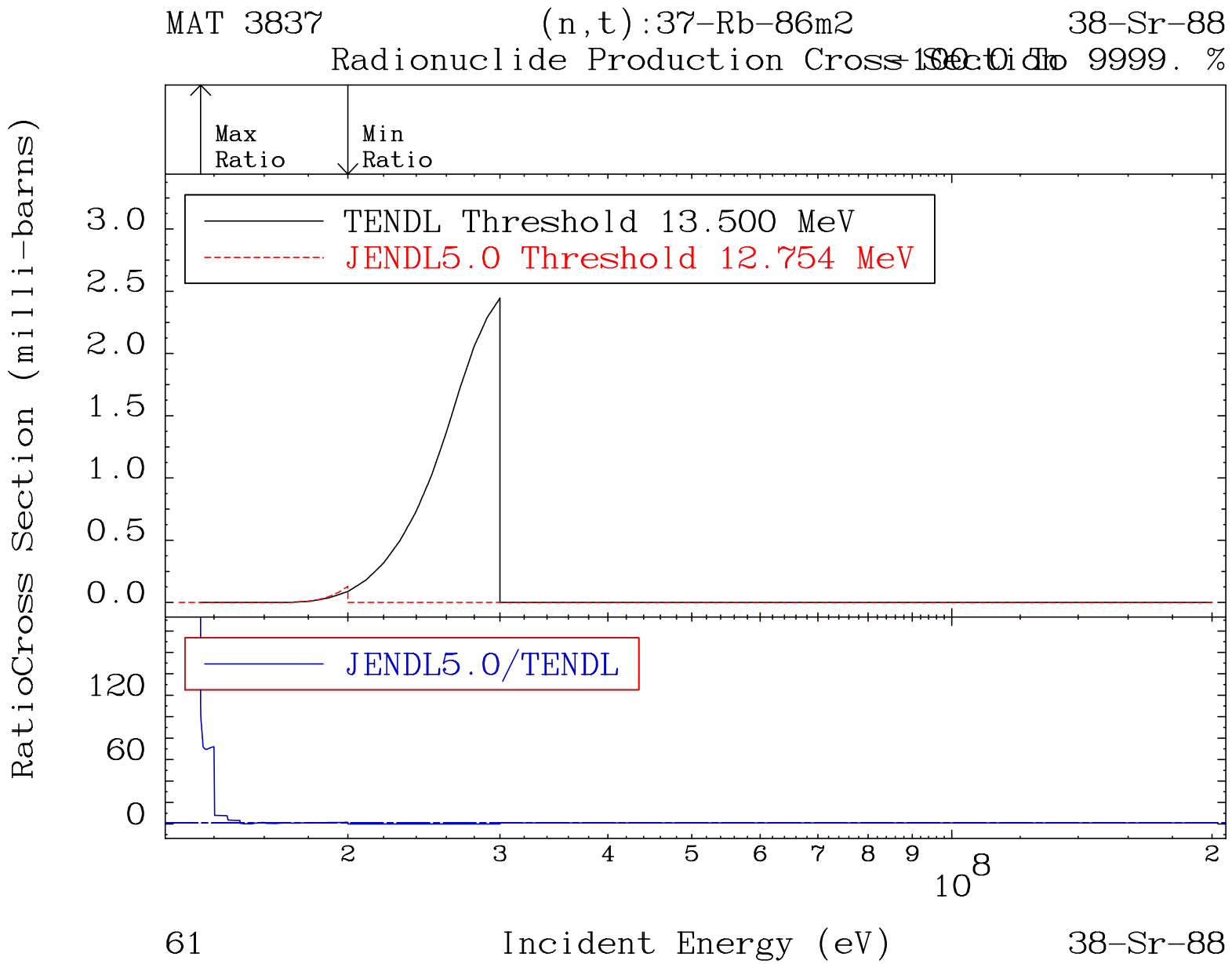

MAT 3837
Dpa inelastic (mt51-91)
38-Sr-88
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.8572 MeV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
56
38-Sr-88

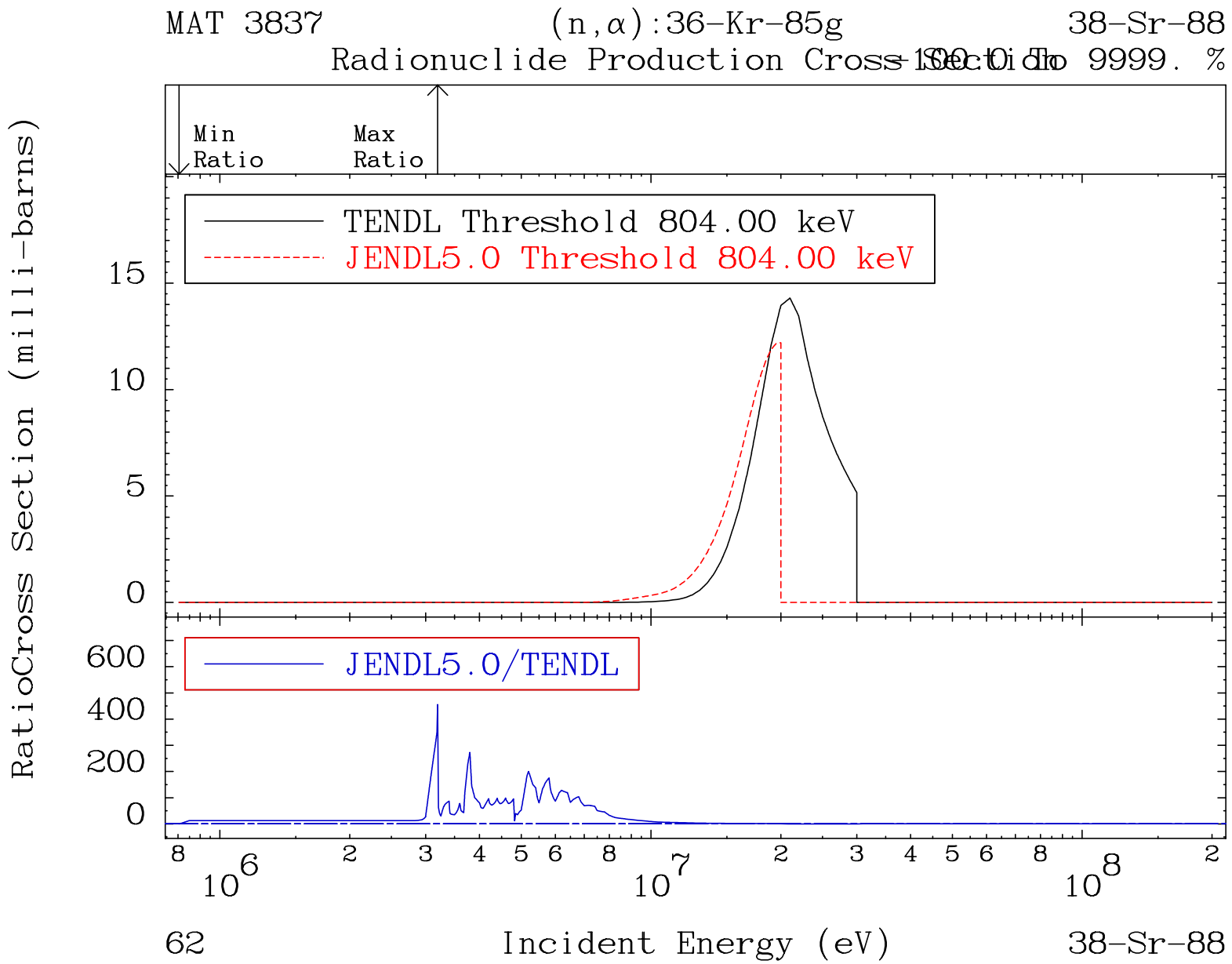

MAT 3837 Dpa disappearance (mt102 -120) 38-Sr-88
Cross Section -100.0 To 442.7 %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
57
38-Sr-88

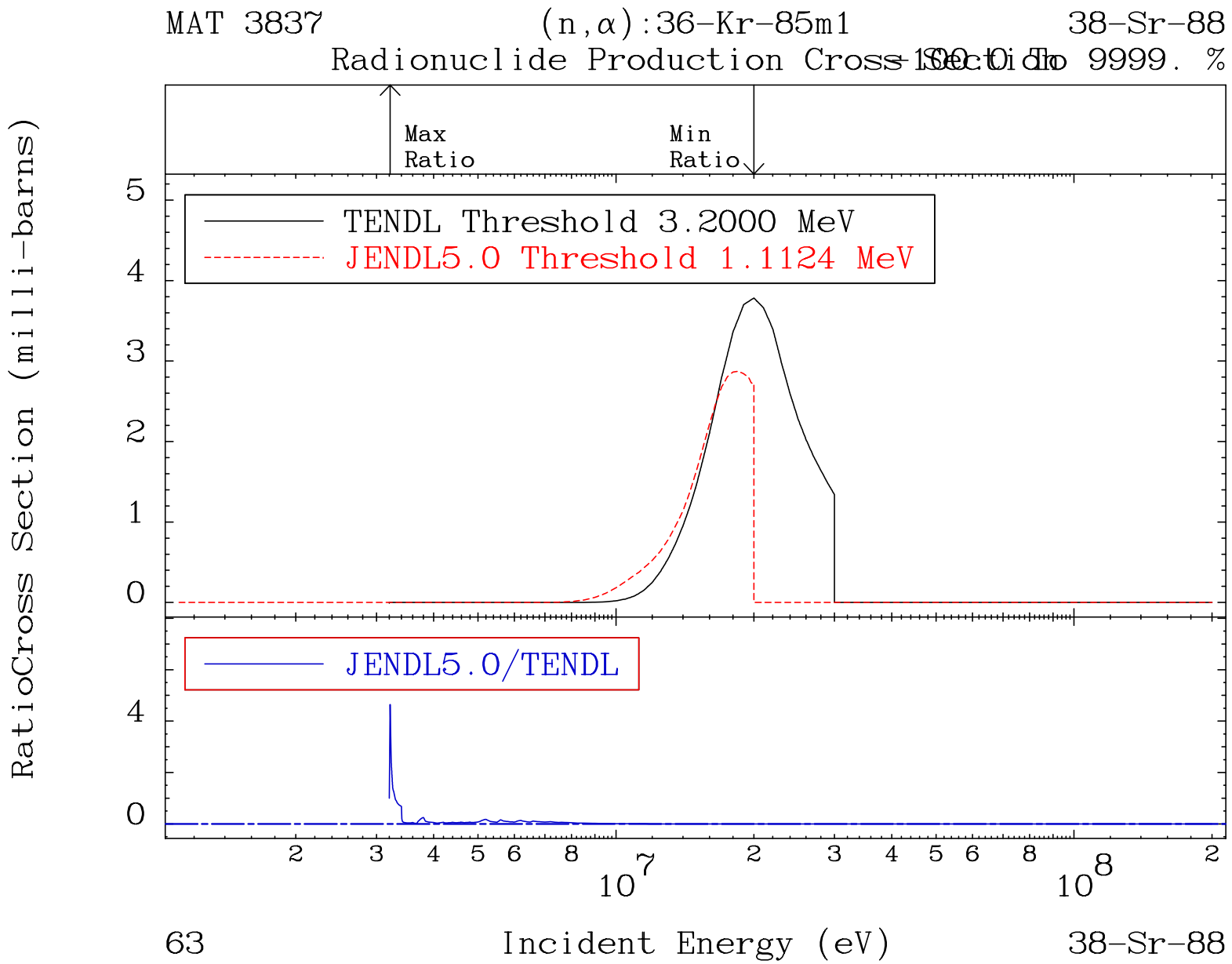

MAT 3837
(n,2n):38-Sr-87g
38-Sr-88
Radionuclide Production Cross Section To 22.58 %
Max Ratio
Min Ratio
TENDL Threshold 11.240 MeV
JENDL5.0 Threshold 11.240 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
58
Incident Energy (eV)
38-Sr-88

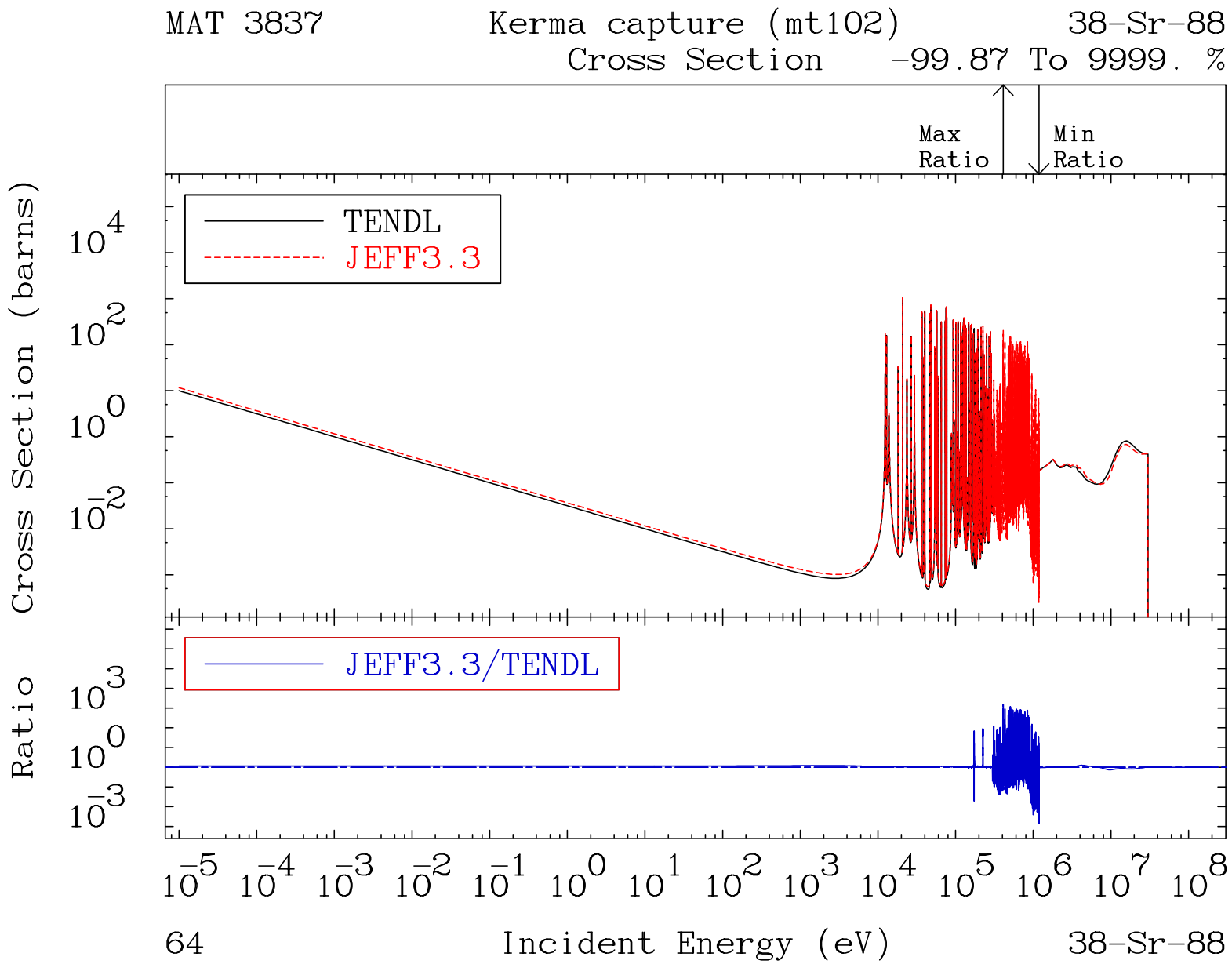

MAT 3837
(n,2n):38-Sr-87m1
38-Sr-88
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 11.633 MeV
JENDL5.0 Threshold 11.633 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
59
Incident Energy (eV)
38-Sr-88

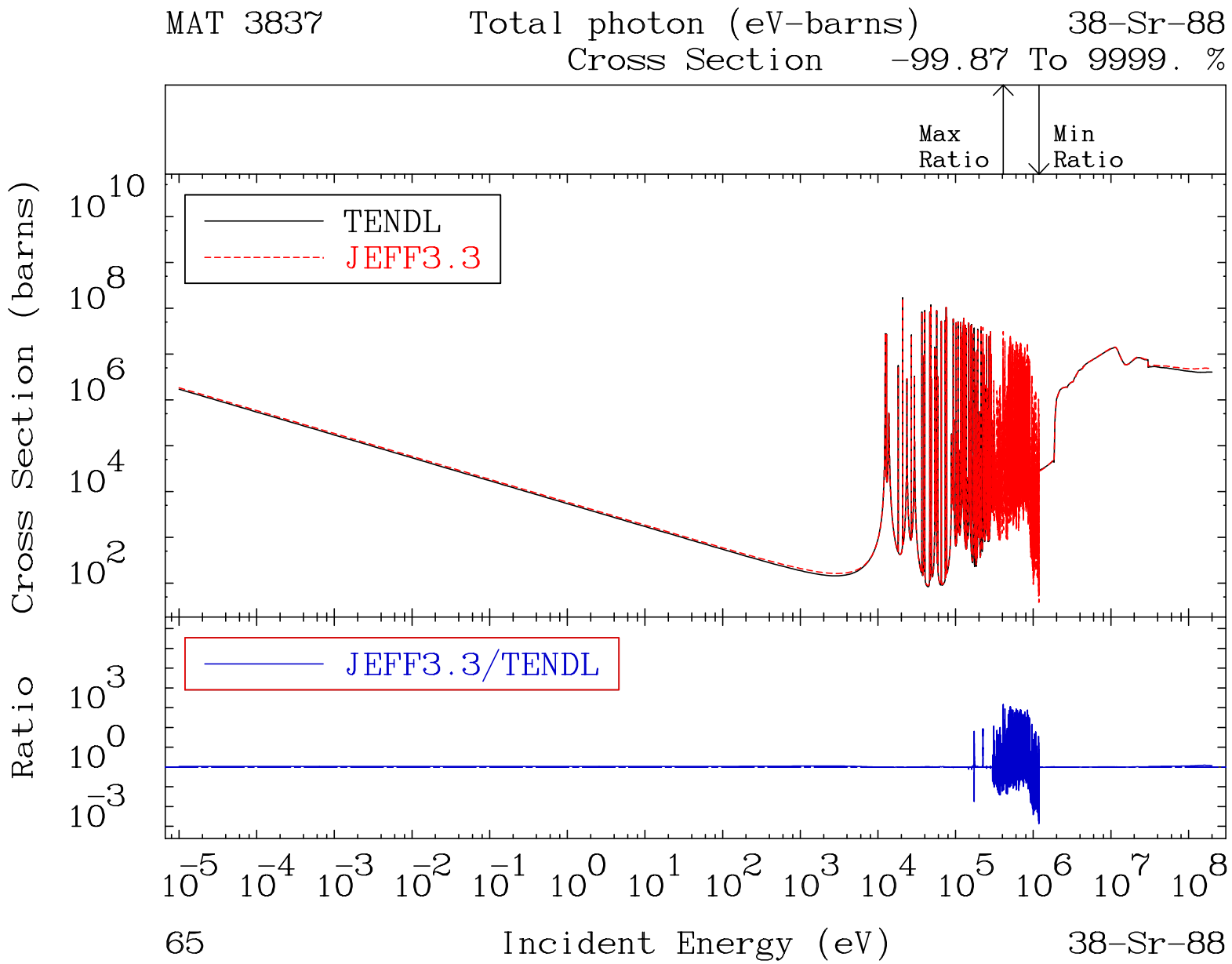

MAT 3837
(n,t):37-Rb-86g
38-Sr-88
Radionuclide Production Cross Section To 172.1 %
Max
Ratio
TENDL Threshold 12.191 MeV
JENDL5.0 Threshold 12.191 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
60
38-Sr-88

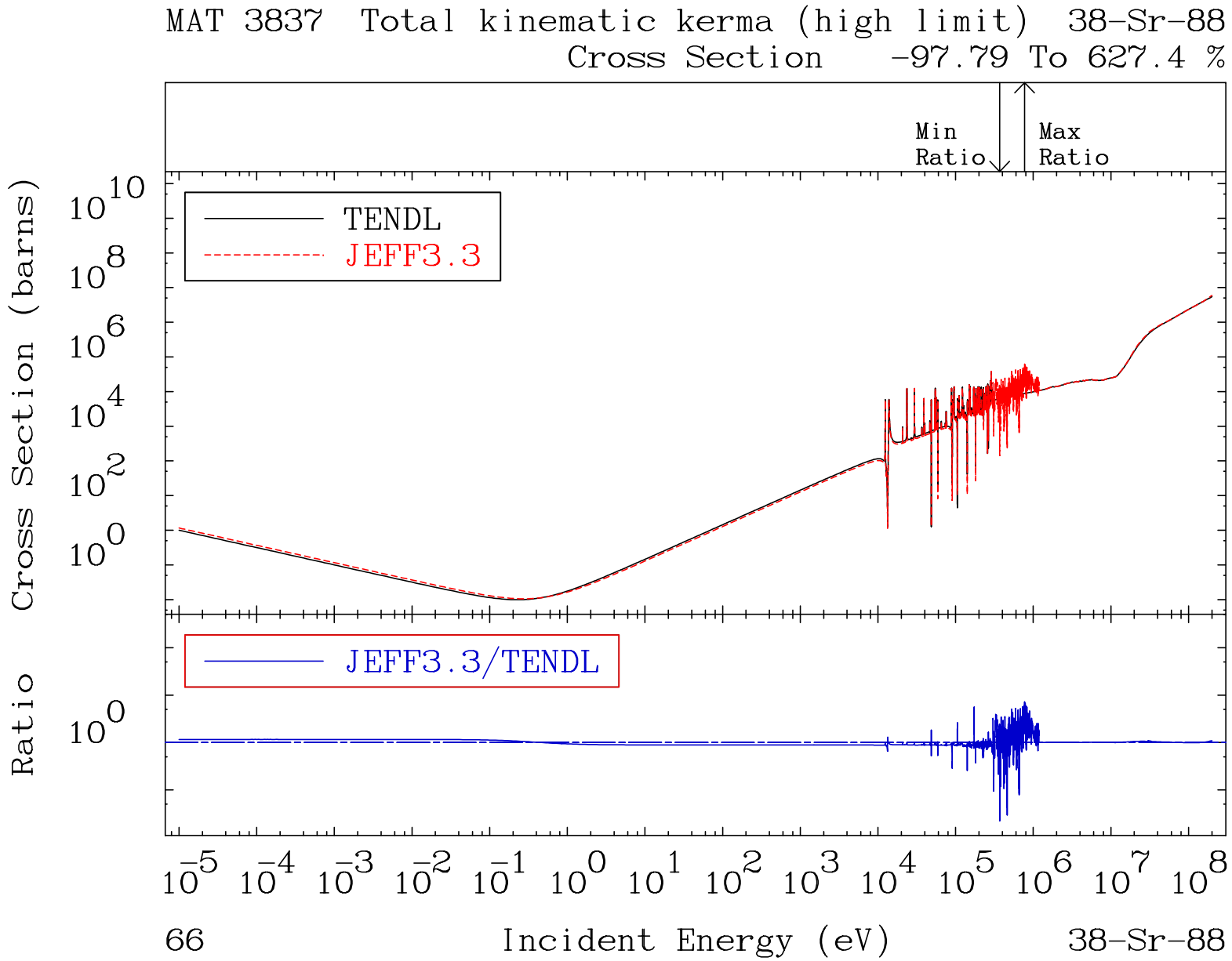

MAT 3837
(n,t):37-Rb-86m2
38-Sr-88
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 13.500 MeV
JENDL5.0 Threshold 12.754 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
61
38-Sr-88

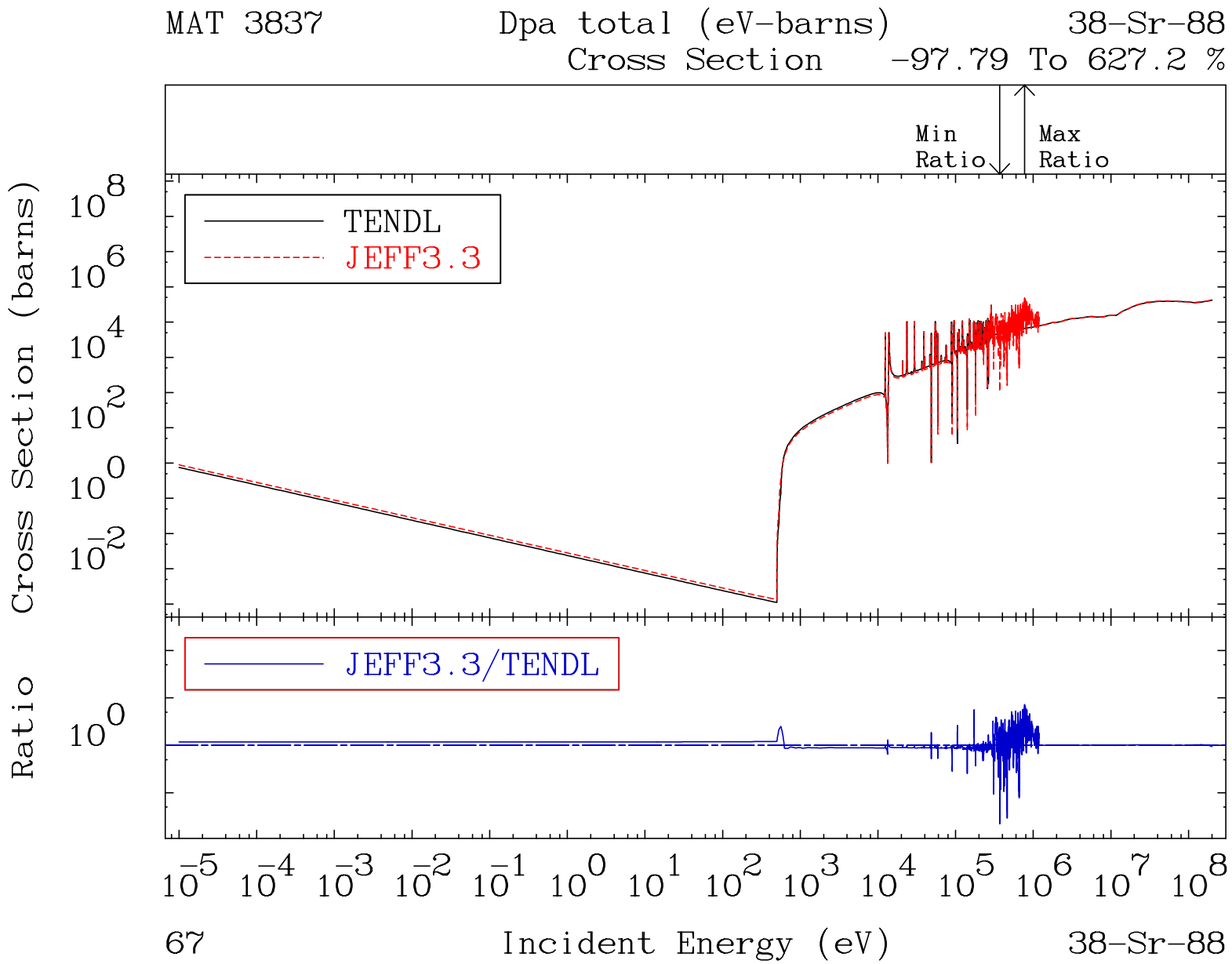

MAT 3837
(n,α):36-Kr-85g
38-Sr-88
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 804.00 keV
JENDL5.0 Threshold 804.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
62
38-Sr-88

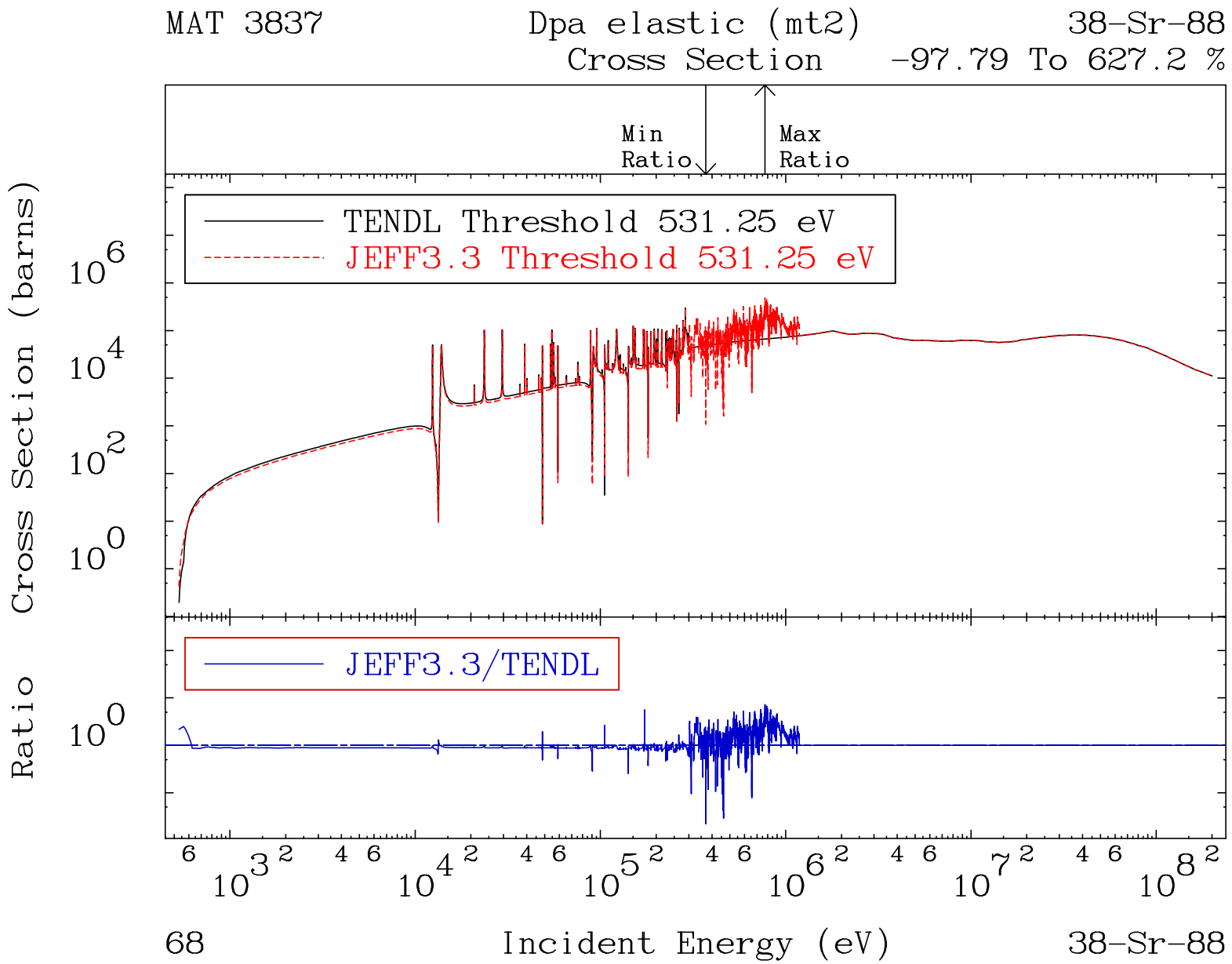

MAT 3837
(n,α):36-Kr-85m1
38-Sr-88
Radionuclide Production Cross Section
Uncertainty 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.2000 MeV
JENDL5.0 Threshold 1.1124 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
63
38-Sr-88

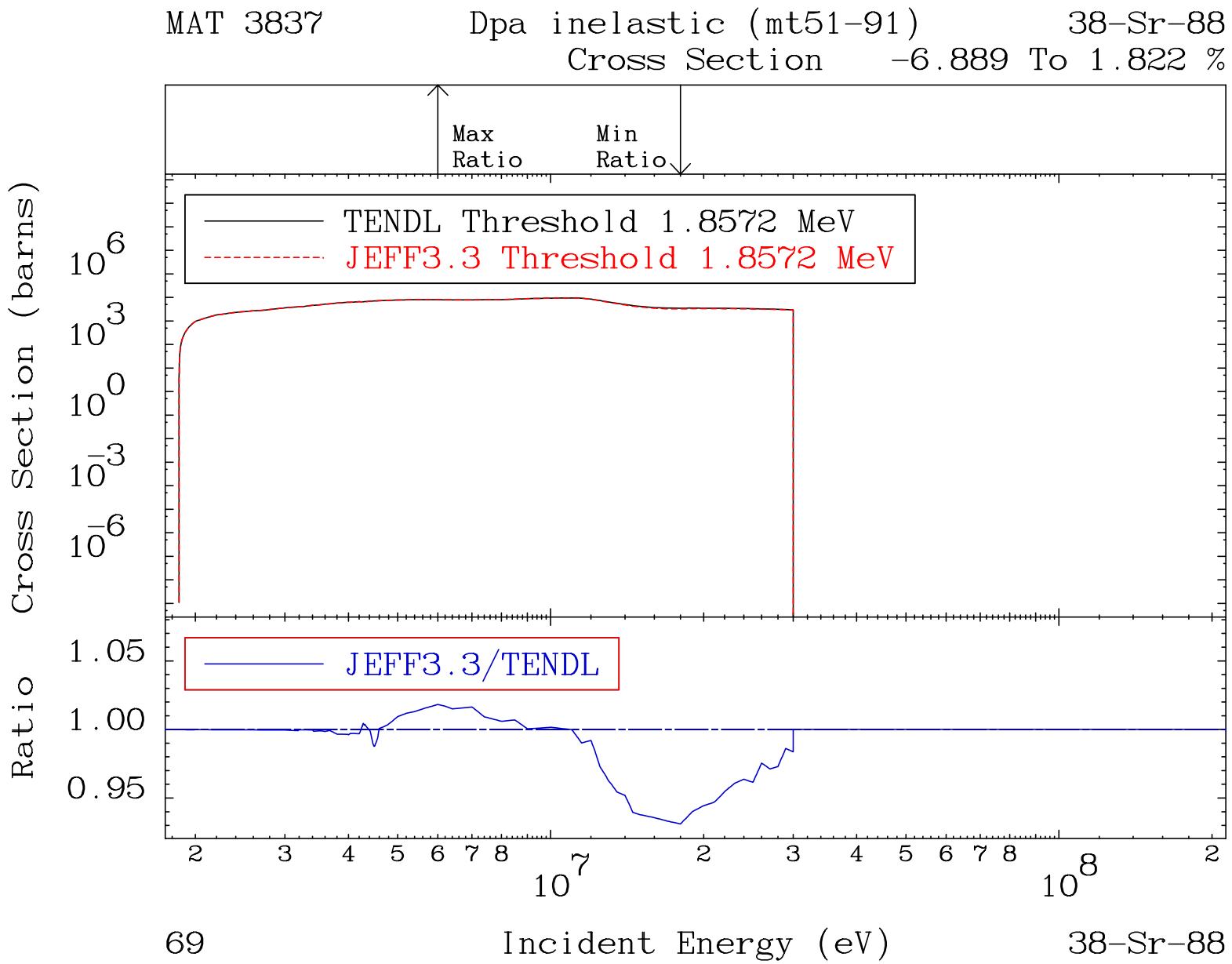

MAT 3837
Kerma capture (mt102)
38-Sr-88
Cross Section -99.87 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
38-Sr-88

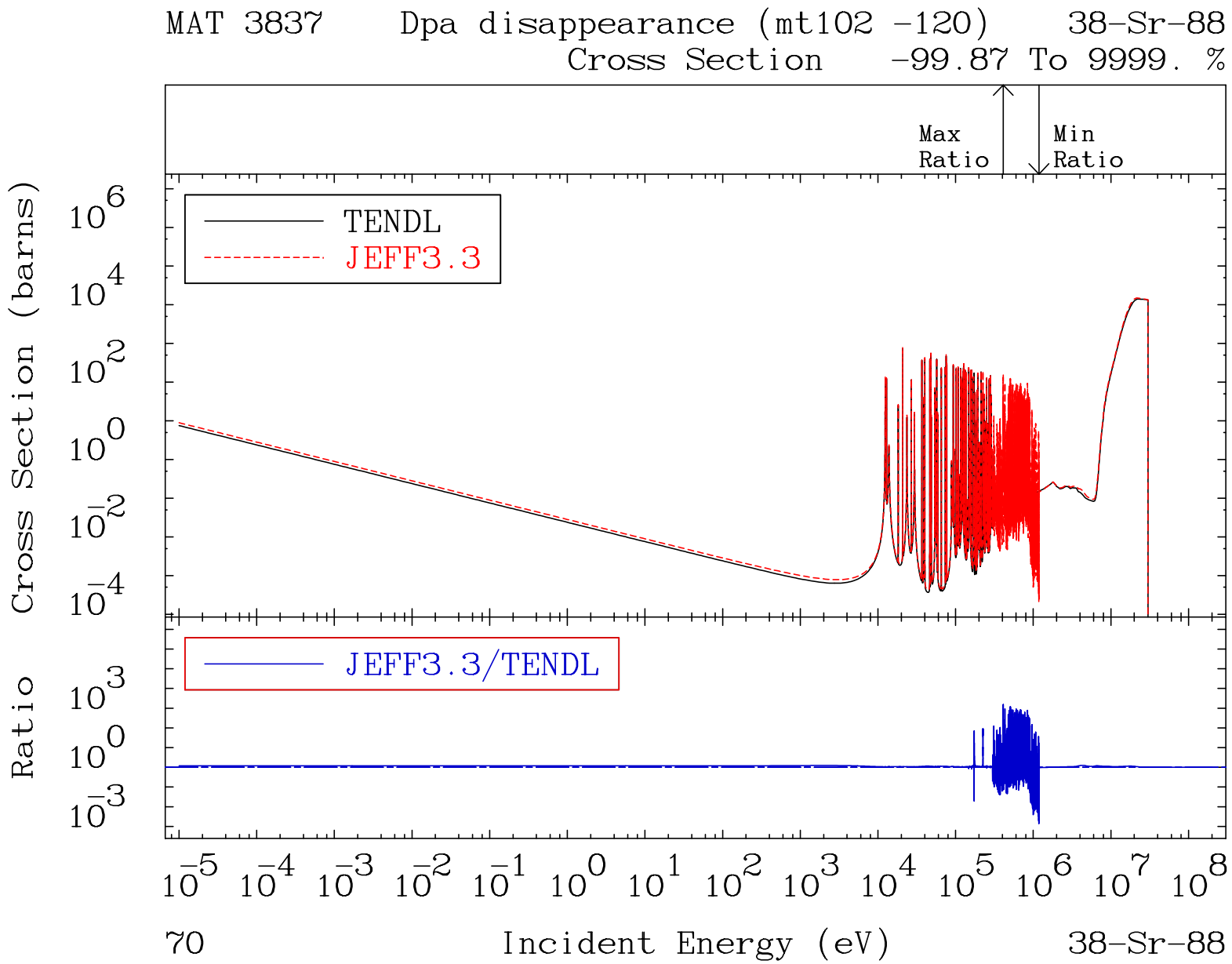

MAT 3837
Total photon (eV-barns)
38-Sr-88
Cross Section -99.87 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
38-Sr-88

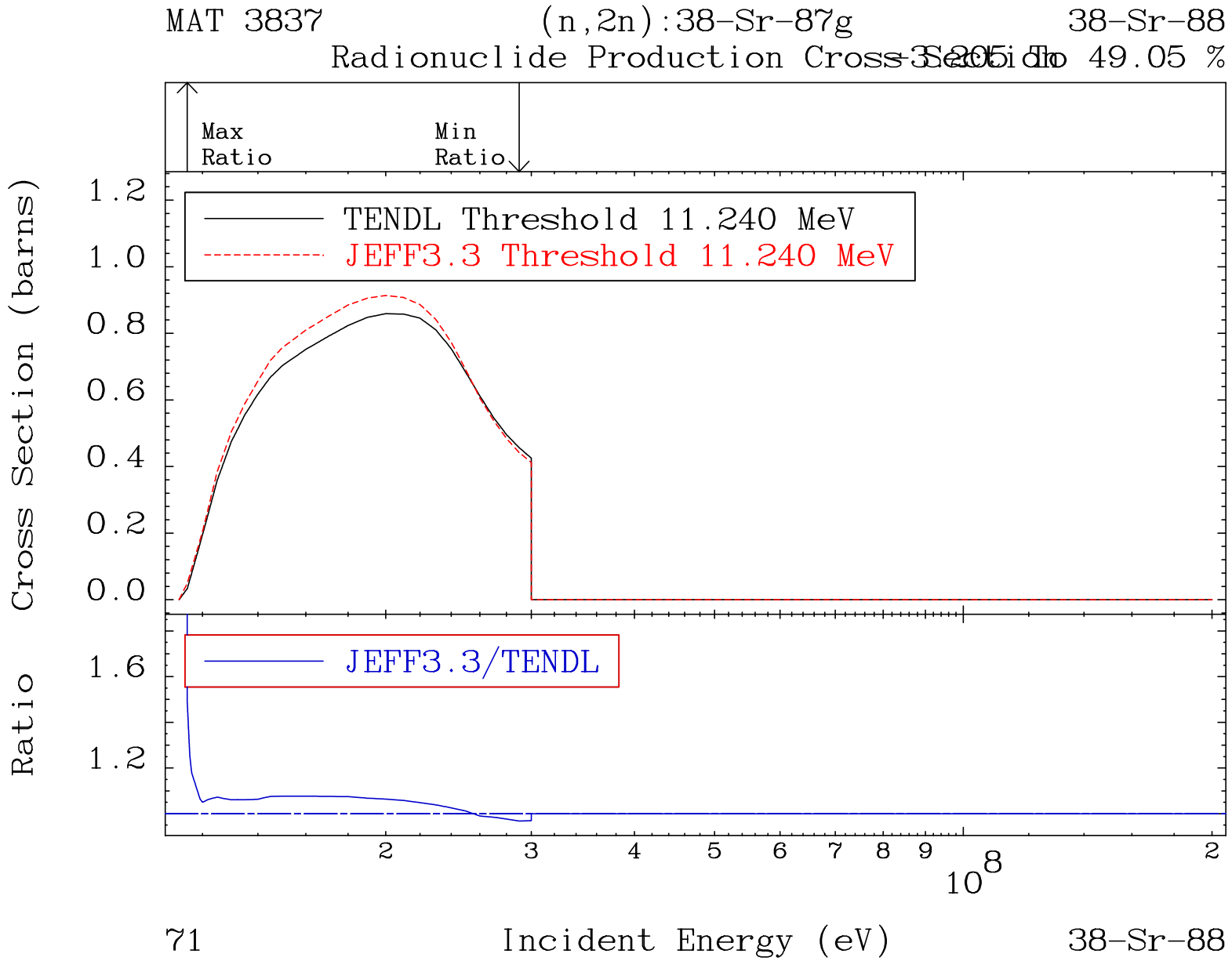

MAT 3837 Total kinematic kerma (high limit) 38-Sr-88
Cross Section -97.79 To 627.4 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
38-Sr-88

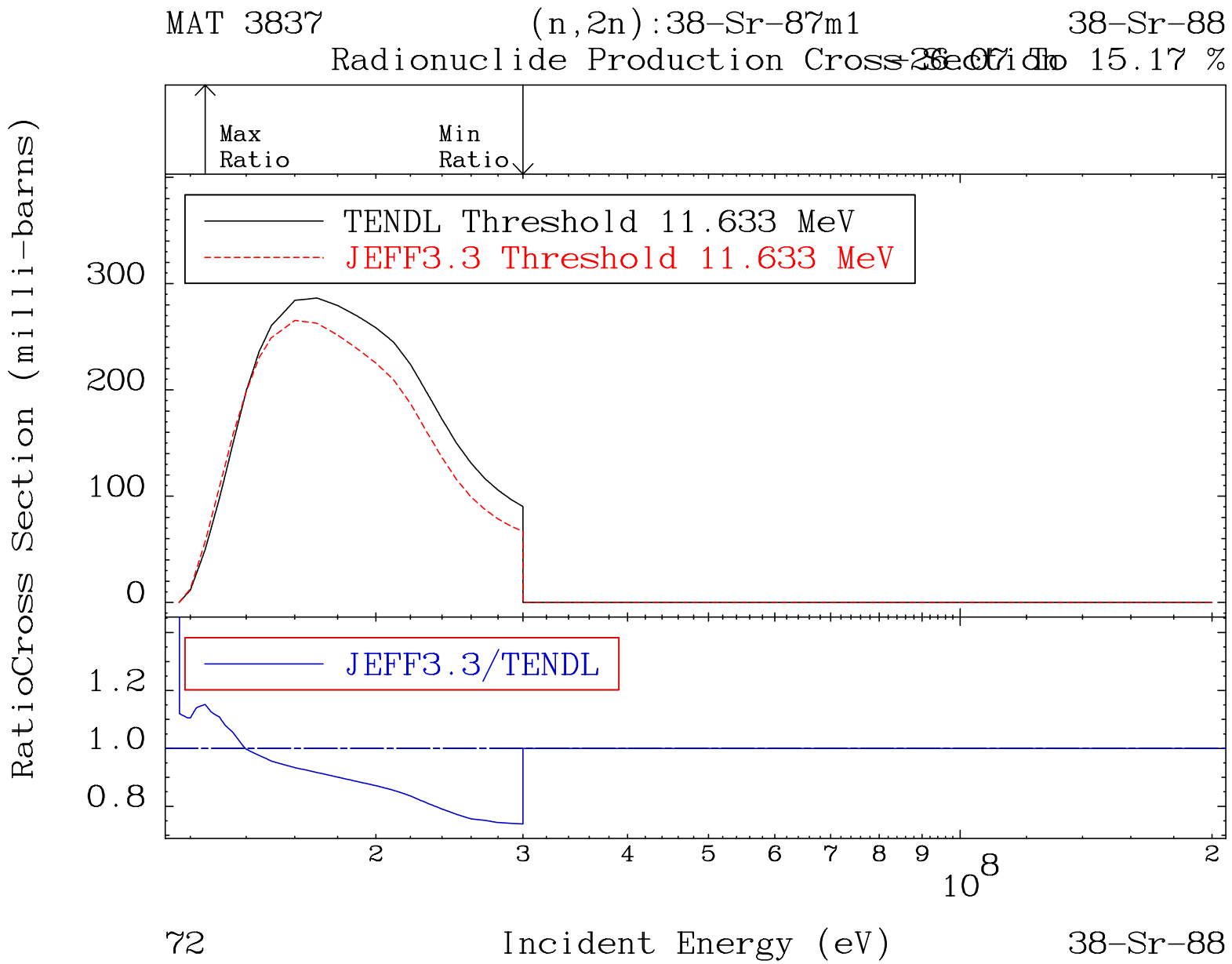

MAT 3837
Dpa total (eV-barns)
38-Sr-88
Cross Section
-97.79 To 627.2 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
38-Sr-88

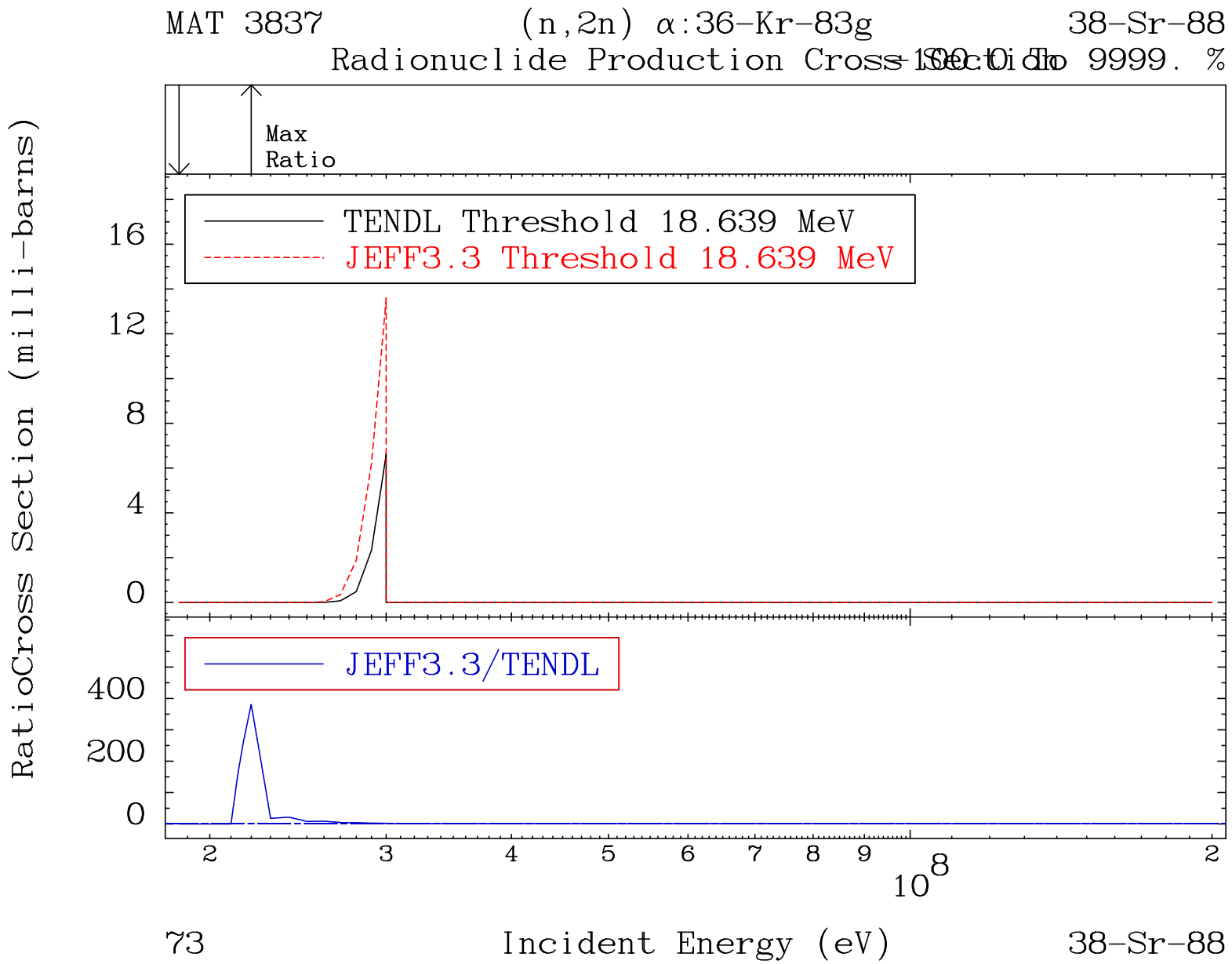

MAT 3837
Dpa elastic (mt2)
Cross Section
38-Sr-88
-97.79 To 627.2 %
Min Ratio
Max Ratio
TENDL Threshold 531.25 eV
JEFF3.3 Threshold 531.25 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
68
38-Sr-88

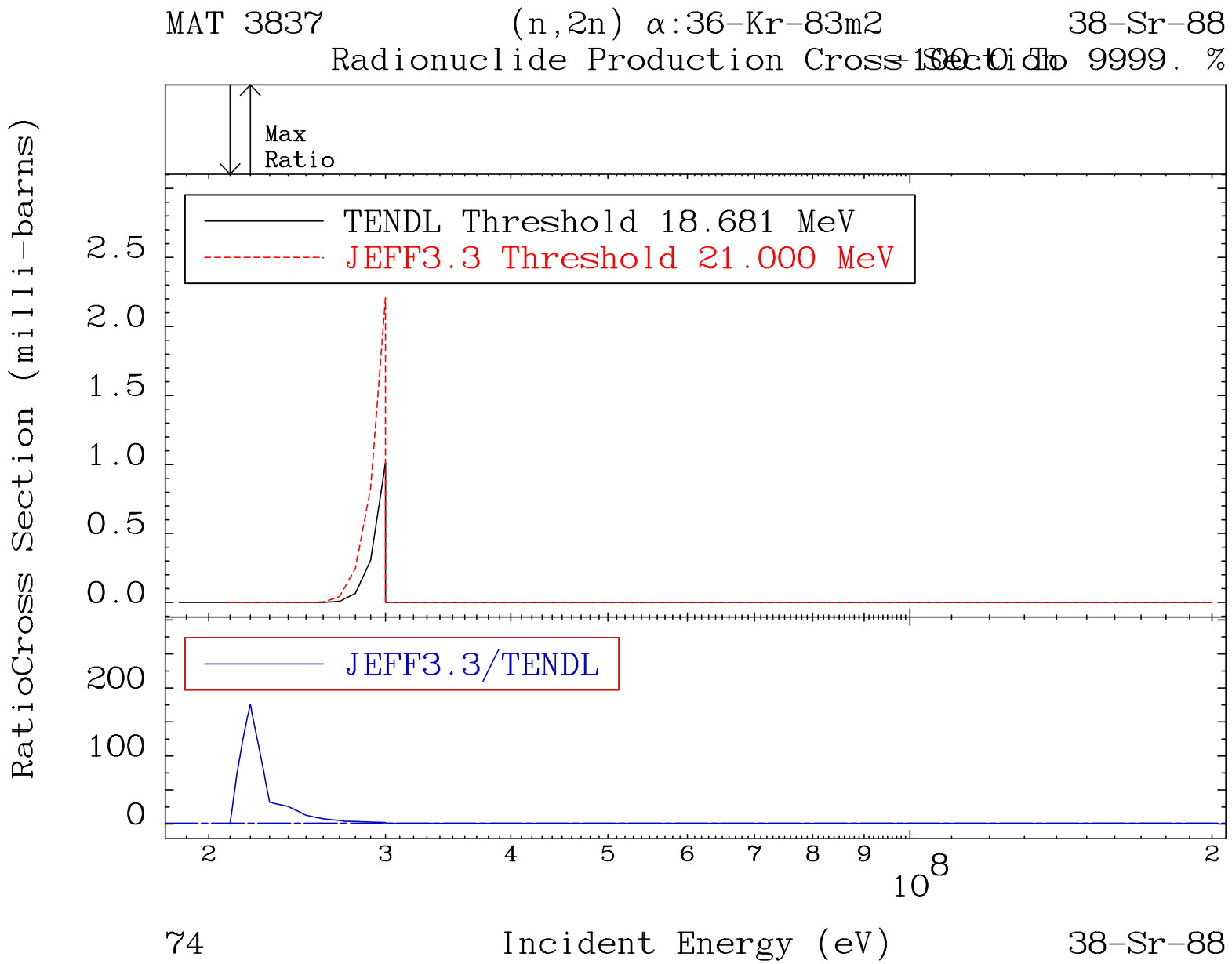

MAT 3837
Dpa inelastic (mt51-91)
38-Sr-88
Cross Section -6.889 To 1.822 %
Max Ratio
Min Ratio
TENDL Threshold 1.8572 MeV
JEFF3.3 Threshold 1.8572 MeV
Cross Section (barns)
10^6
10^3
10^0
10^-3
10^-6
JEFF3.3/TENDL
Ratio
1.05
1.00
0.95
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
69
Incident Energy (eV)
38-Sr-88

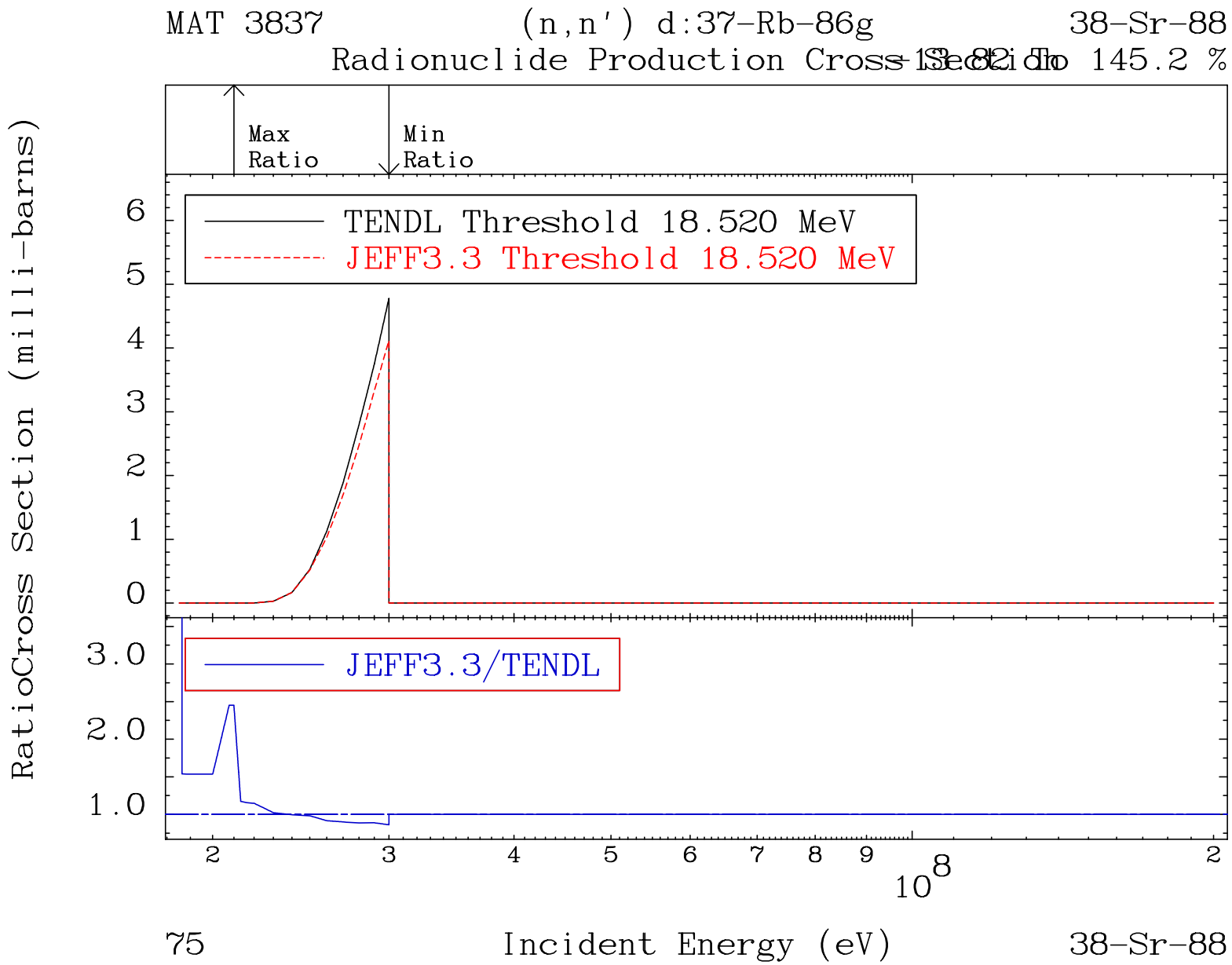

MAT 3837 Dpa disappearance (mt102 -120) 38-Sr-88
Cross Section -99.87 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
70
38-Sr-88

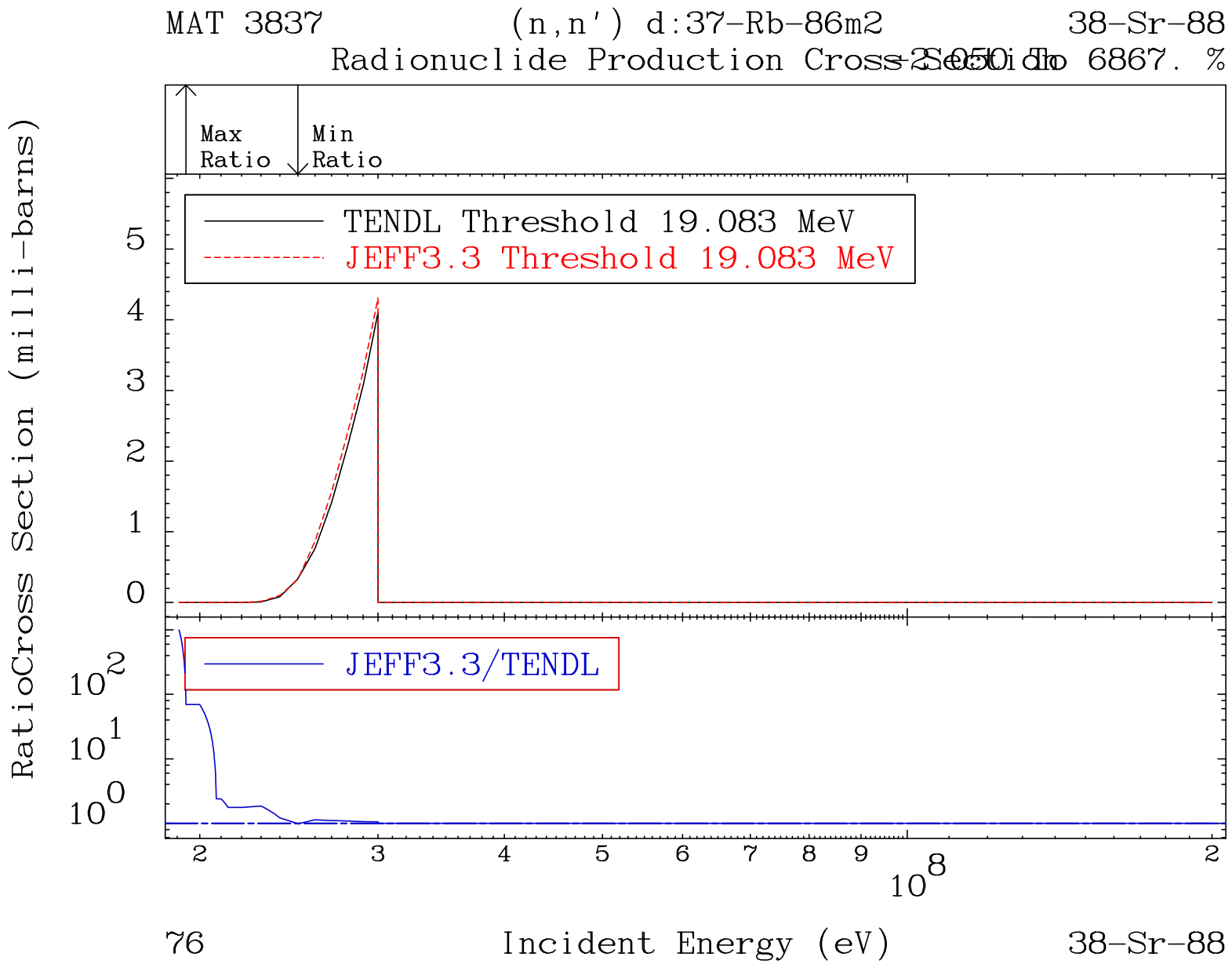

MAT 3837
(n,2n):38-Sr-87g
38-Sr-88
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 11.240 MeV
JEFF3.3 Threshold 11.240 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1.6
1.2
2
3
4
5
6
7
8
9
2
10^8
71
Incident Energy (eV)
38-Sr-88

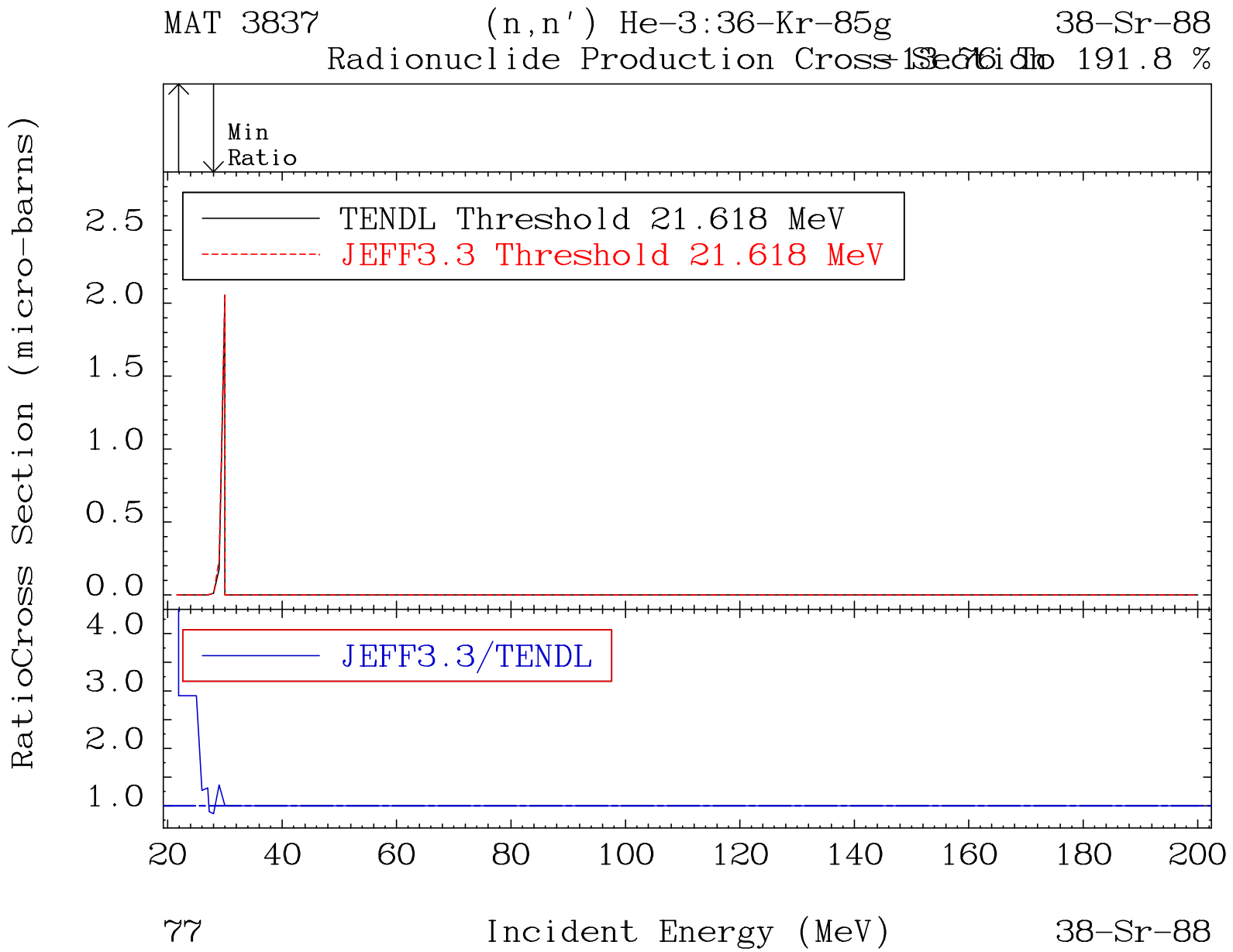

MAT 3837
(n,2n):38-Sr-87m1
38-Sr-88
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 11.633 MeV
JEFF3.3 Threshold 11.633 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
200
100
0
1.2
1.0
0.8
2
3
4
5
6
7
8
9
10^8
2
72
Incident Energy (eV)
38-Sr-88

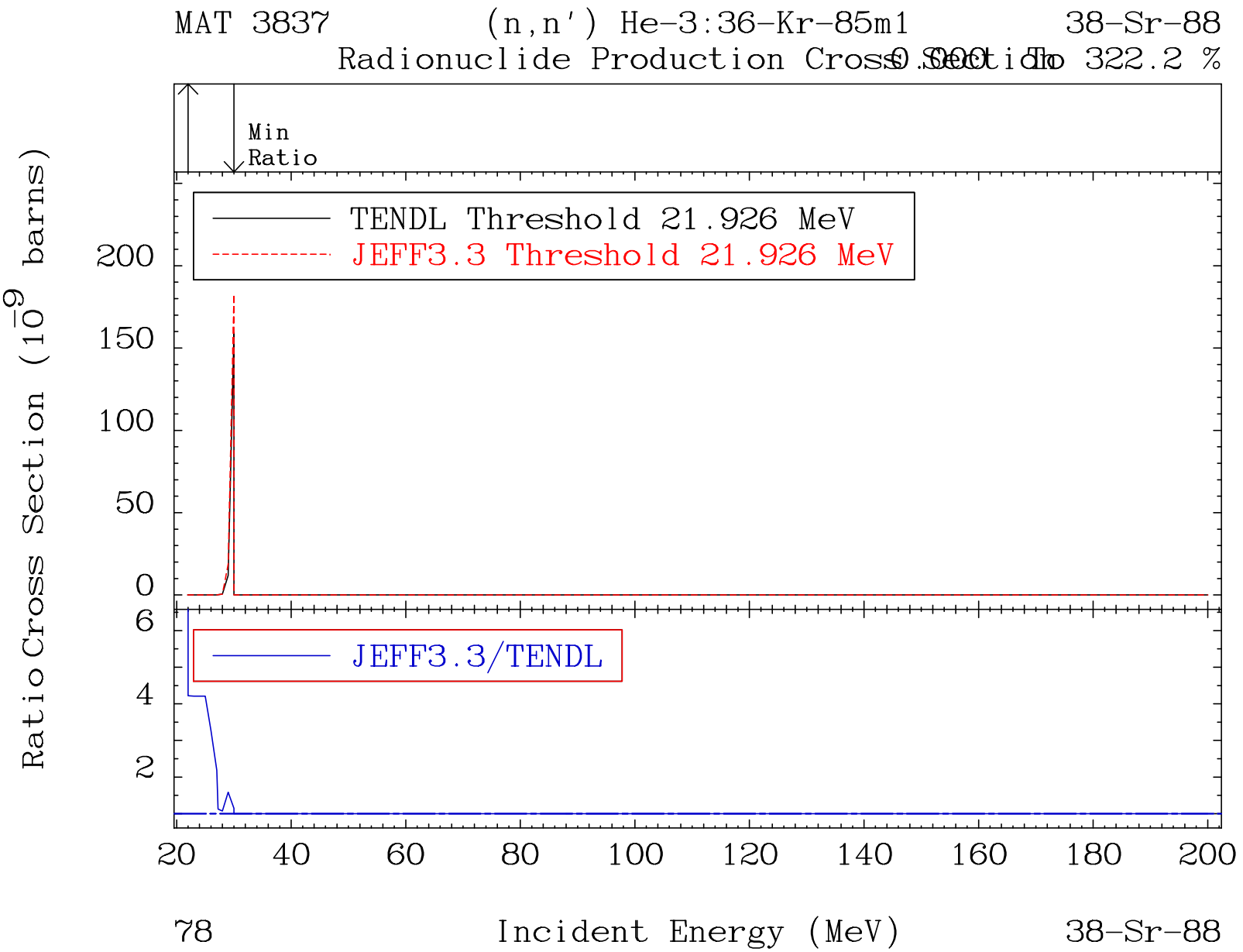

MAT 3837
(n,2n) α:36-Kr-83g
38-Sr-88
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 18.639 MeV
JEFF3.3 Threshold 18.639 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
400
200
0
2
3
4
5
6
7
8
9
2
10^8
73
Incident Energy (eV)
38-Sr-88

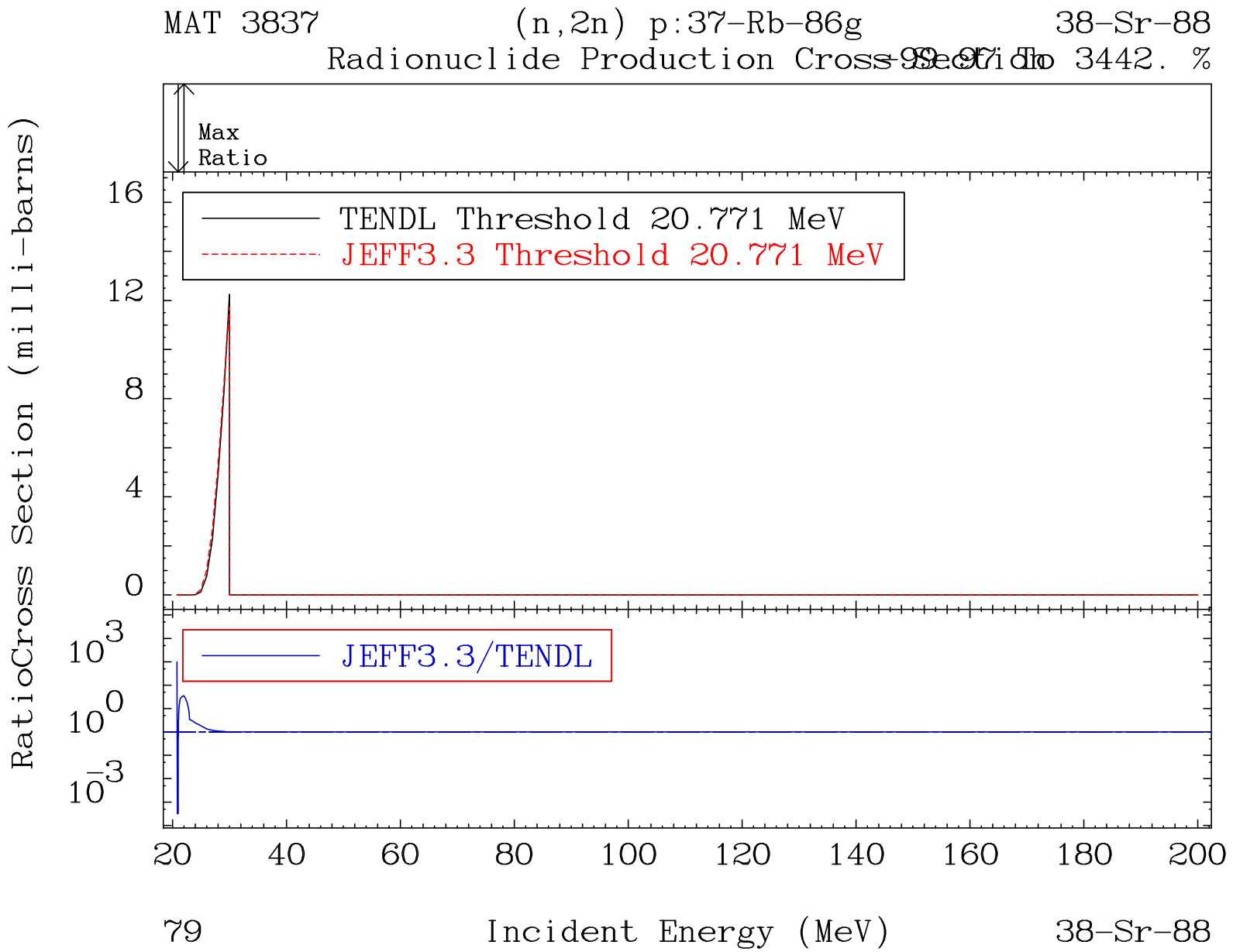

MAT 3837
(n,2n) α:36-Kr-83m2
38-Sr-88
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 18.681 MeV
JEFF3.3 Threshold 21.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
200
100
0
2
3
4
5
6
7
8
9
10^8
2
74
Incident Energy (eV)
38-Sr-88

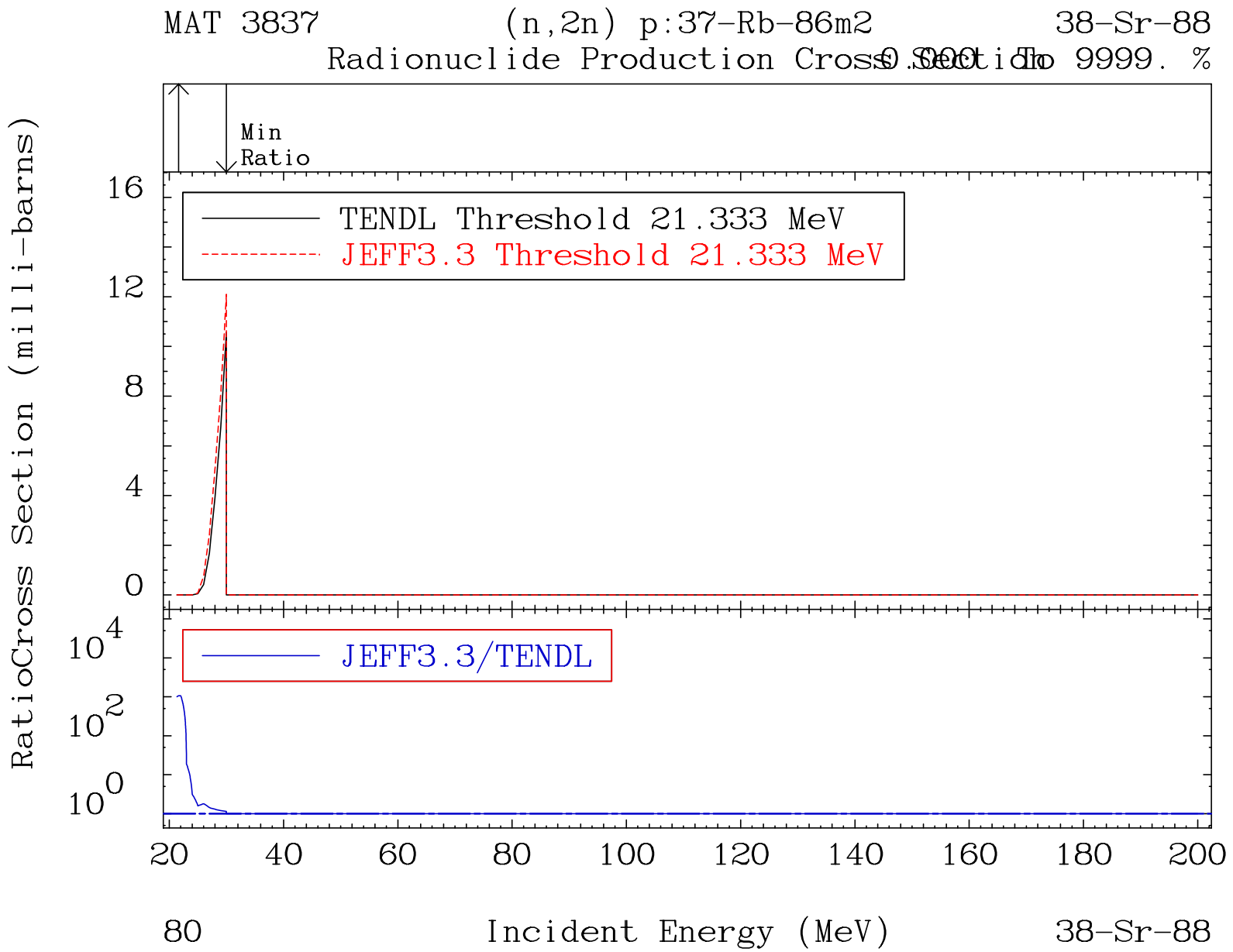

MAT 3837
(n,n') d:37-Rb-86g
38-Sr-88
Radionuclide Production Cross Section To 145.2 %
Max Ratio
Min Ratio
TENDL Threshold 18.520 MeV
JEFF3.3 Threshold 18.520 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
75
38-Sr-88

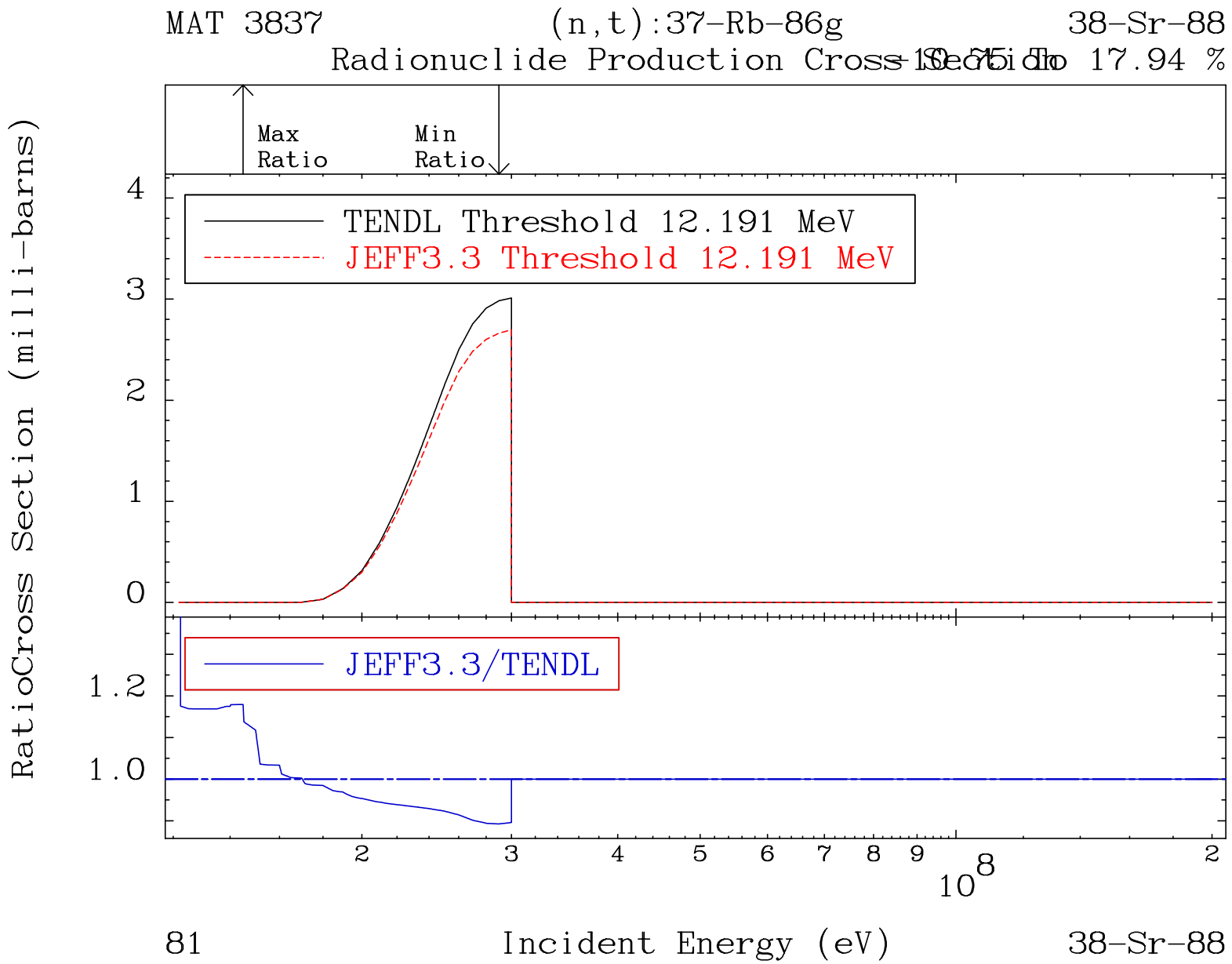

MAT 3837
(n,n') d:37-Rb-86m2
38-Sr-88
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 19.083 MeV
JEFF3.3 Threshold 19.083 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
76
38-Sr-88

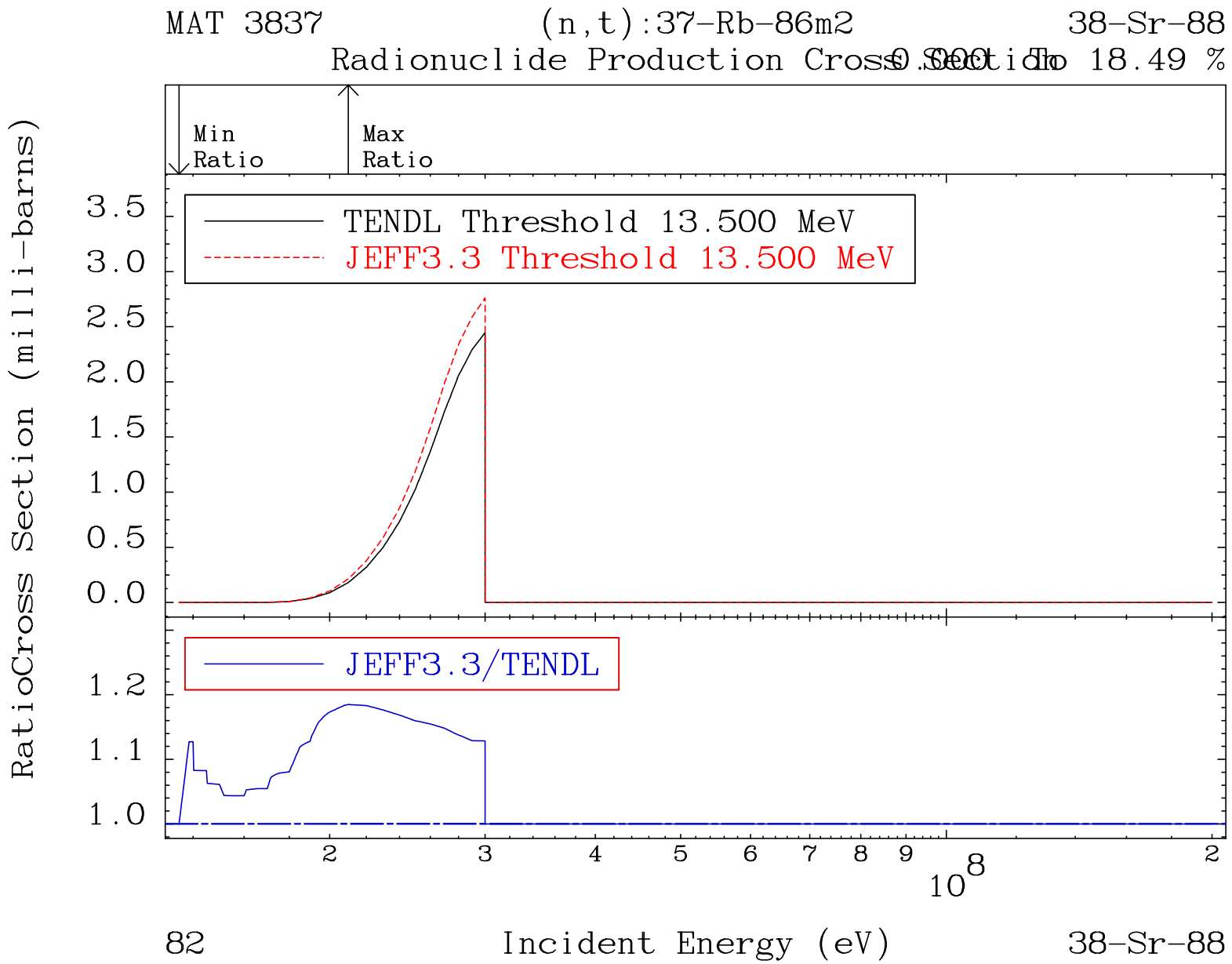

MAT 3837
(n,n') He-3:36-Kr-85g
38-Sr-88
Radionuclide Production Cross Section To 191.8 %
Min
Ratio
TENDL Threshold 21.618 MeV
JEFF3.3 Threshold 21.618 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
2.5
2.0
1.5
1.0
0.5
0.0
4.0
3.0
2.0
1.0
20
40
60
80
100
120
140
160
180
200
77
Incident Energy (MeV)
38-Sr-88

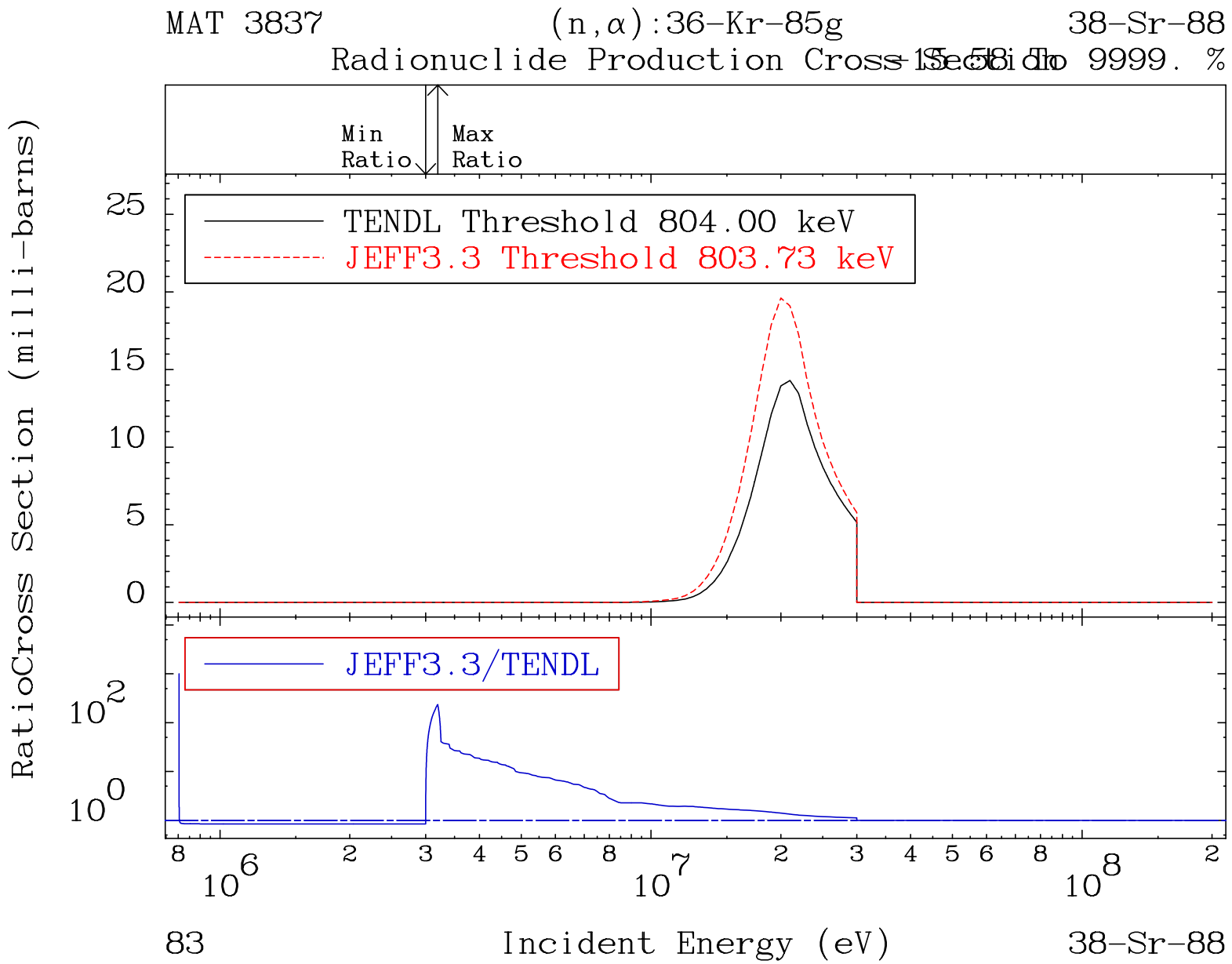

MAT 3837 (n,n') He-3:36-Kr-85m1 38-Sr-88
Radionuclide Production Cross Section
0.000 To 322.2 %
Min
Ratio
TENDL Threshold 21.926 MeV
JEFF3.3 Threshold 21.926 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
200
150
100
50
0
6
4
2
20
40
60
80
100
120
140
160
180
200
78
Incident Energy (MeV)
38-Sr-88

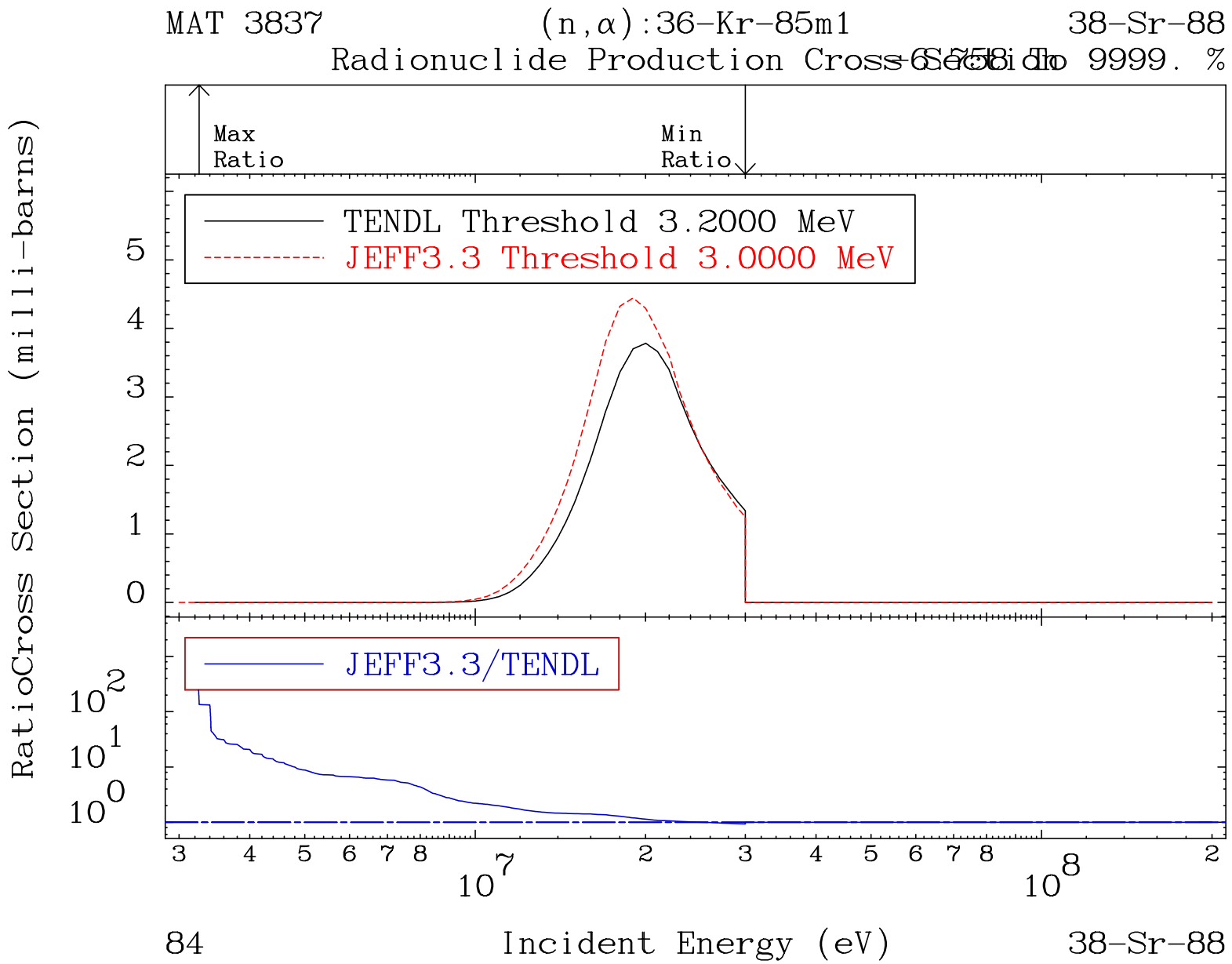

MAT 3837
(n,2n) p:37-Rb-86g
38-Sr-88
Radionuclide Production Cross Section To 3442. %
Max
Ratio
TENDL Threshold 20.771 MeV
JEFF3.3 Threshold 20.771 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
10^3
10^0
10^-3
20
40
60
80
100
120
140
160
180
200
79
Incident Energy (MeV)
38-Sr-88

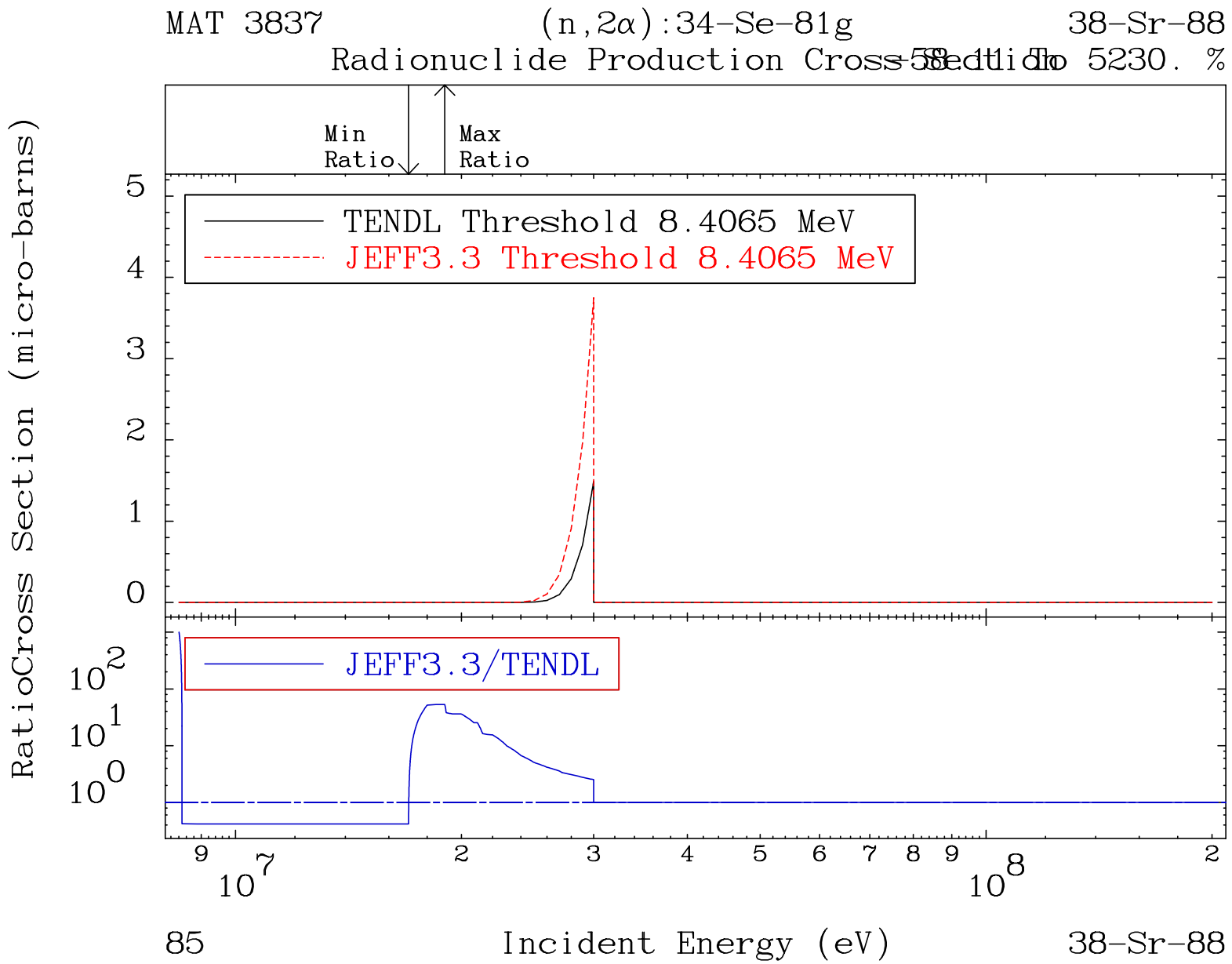

MAT 3837
(n,2n) p:37-Rb-86m2
38-Sr-88
Radionuclide Production Cross Section
0.000 To 9999. %
Min
Ratio
TENDL Threshold 21.333 MeV
JEFF3.3 Threshold 21.333 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
10^4
10^2
10^0
20
40
60
80
100
120
140
160
180
200
80
Incident Energy (MeV)
38-Sr-88

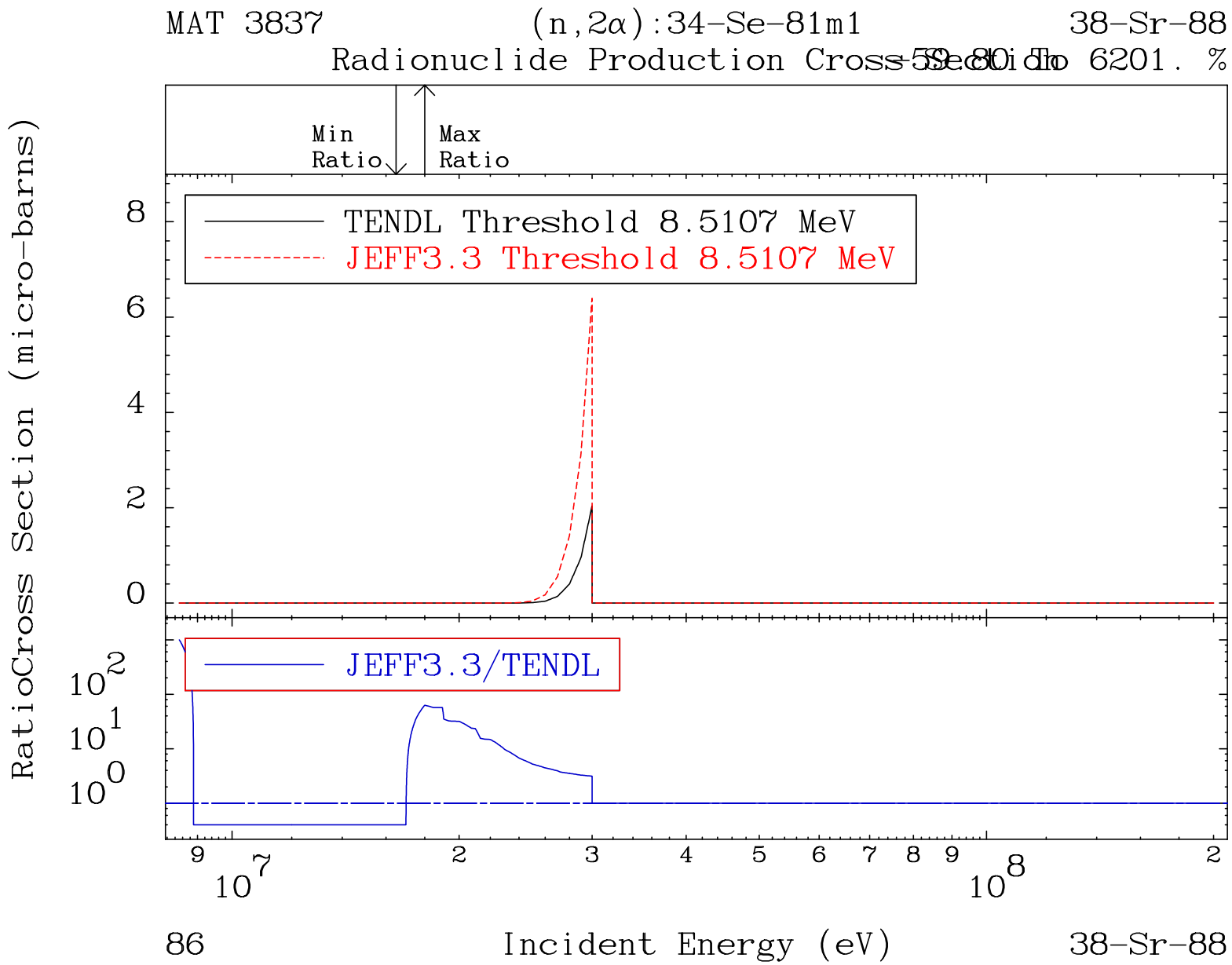

MAT 3837
(n,t):37-Rb-86g
38-Sr-88
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 12.191 MeV
JEFF3.3 Threshold 12.191 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
81
38-Sr-88

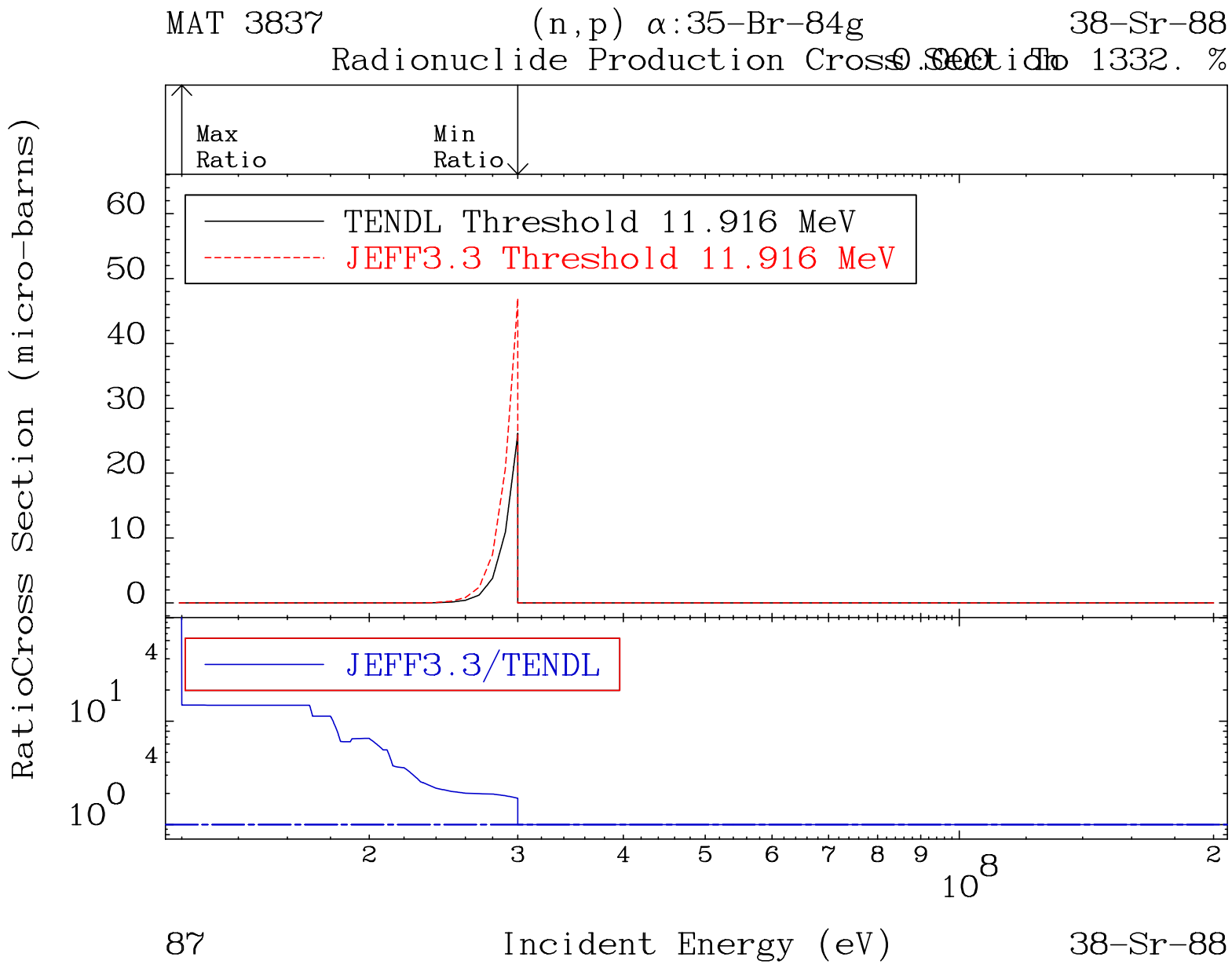

MAT 3837
(n,t):37-Rb-86m2
38-Sr-88
Radionuclide Production Cross Section
0.000 To 18.49 %
Min Ratio
Max Ratio
TENDL Threshold 13.500 MeV
JEFF3.3 Threshold 13.500 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
38-Sr-88

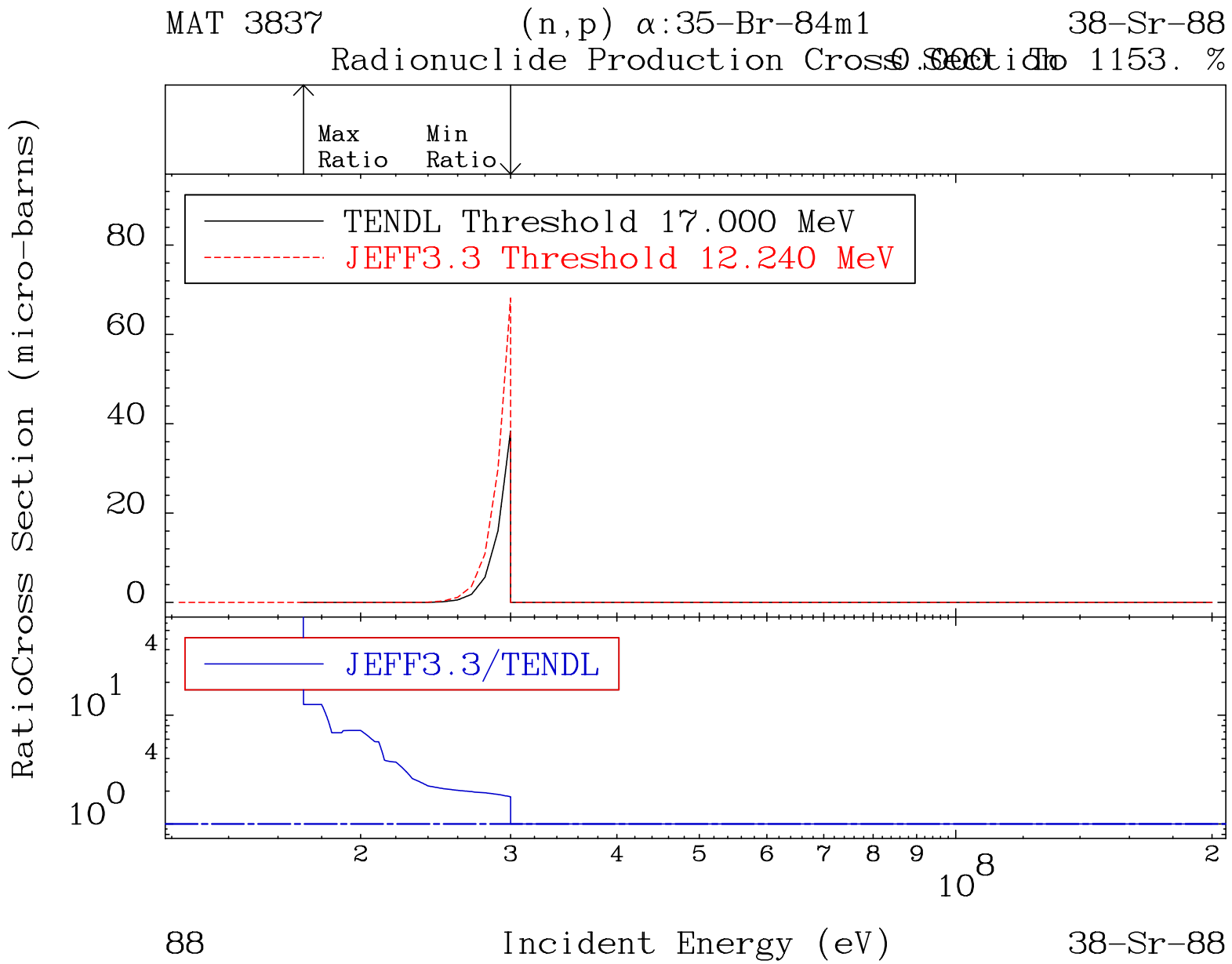

MAT 3837
(n,α):36-Kr-85g
38-Sr-88
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 804.00 keV
JEFF3.3 Threshold 803.73 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
83
38-Sr-88

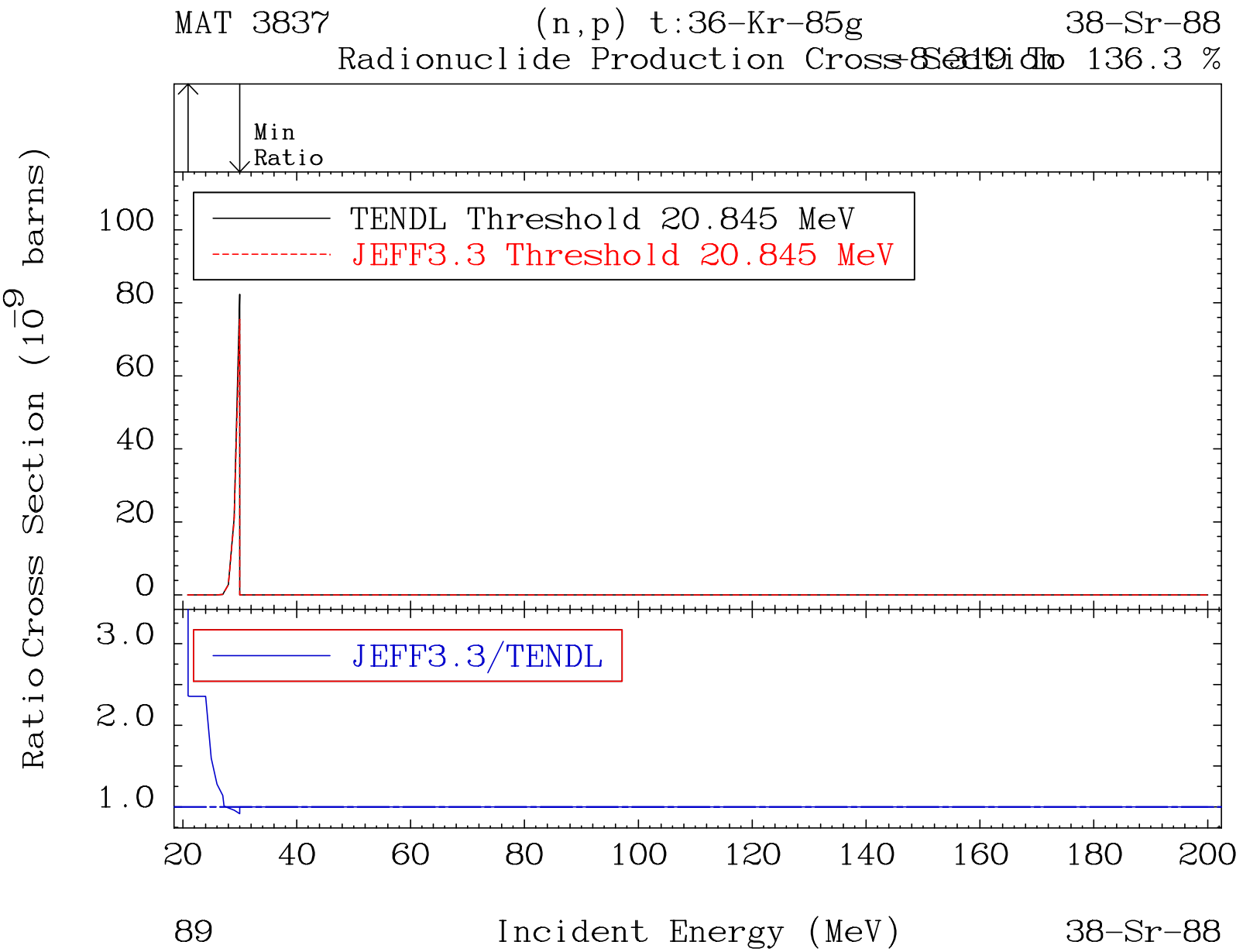

MAT 3837
(n,α):36-Kr-85m1
38-Sr-88
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.2000 MeV
JEFF3.3 Threshold 3.0000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
84
38-Sr-88

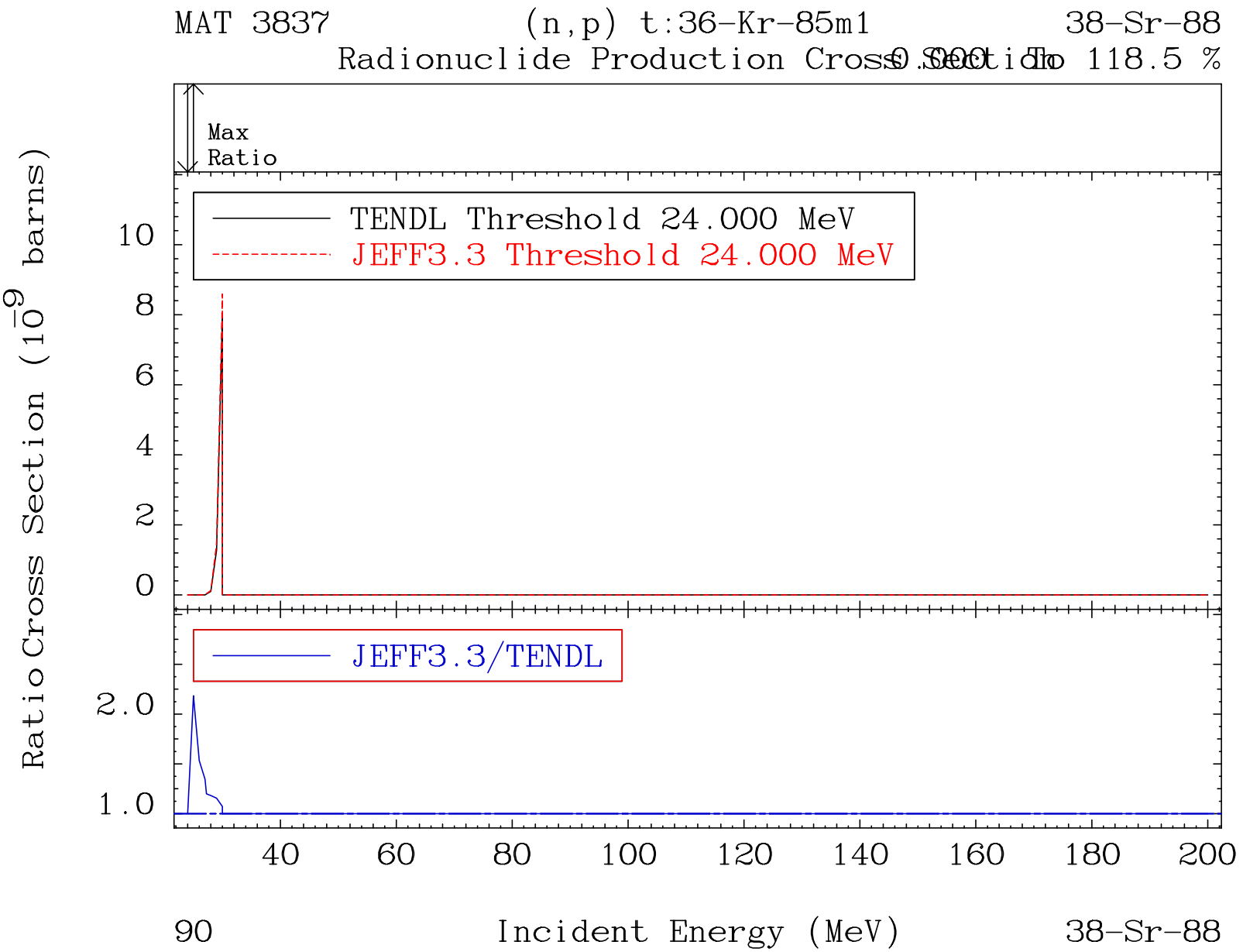

MAT 3837
(n,2α):34-Se-81g
38-Sr-88
Radionuclide Production Cross Section To 5230. %
Min Ratio
Max Ratio
TENDL Threshold 8.4065 MeV
JEFF3.3 Threshold 8.4065 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
85
38-Sr-88


MAT 3837
(n,2α):34-Se-81m1
38-Sr-88
Radionuclide Production Cross Section To 6201. %
Min Ratio
Max Ratio
TENDL Threshold 8.5107 MeV
JEFF3.3 Threshold 8.5107 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
86
38-Sr-88


MAT 3837
(n,p) α:35-Br-84g
38-Sr-88
Radionuclide Production Cross Section
0.000 To 1332. %
Max Ratio
Min Ratio
TENDL Threshold 11.916 MeV
JEFF3.3 Threshold 11.916 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
87
38-Sr-88


MAT 3837
(n,p) α:35-Br-84m1
38-Sr-88
Radionuclide Production Cross Section
0.000 To 1153. %
Max Ratio
Min Ratio
TENDL Threshold 17.000 MeV
JEFF3.3 Threshold 12.240 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
80
60
40
20
0
4
10^1
4
10^0
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
38-Sr-88


MAT 3837
(n,p) t:36-Kr-85g
38-Sr-88
Radionuclide Production Cross Section
Min
Ratio
TENDL Threshold 20.845 MeV
JEFF3.3 Threshold 20.845 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
100
80
60
40
20
0
3.0
2.0
1.0
20
40
60
80
100
120
140
160
180
200
89
Incident Energy (MeV)
38-Sr-88


MAT 3837
(n,p) t:36-Kr-85m1
38-Sr-88
Radionuclide Production Cross Section
0.000 To 118.5 %
Max
Ratio
TENDL Threshold 24.000 MeV
JEFF3.3 Threshold 24.000 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
10
8
6
4
2
0
2.0
1.0
40
60
80
100
120
140
160
180
200
90
Incident Energy (MeV)
38-Sr-88