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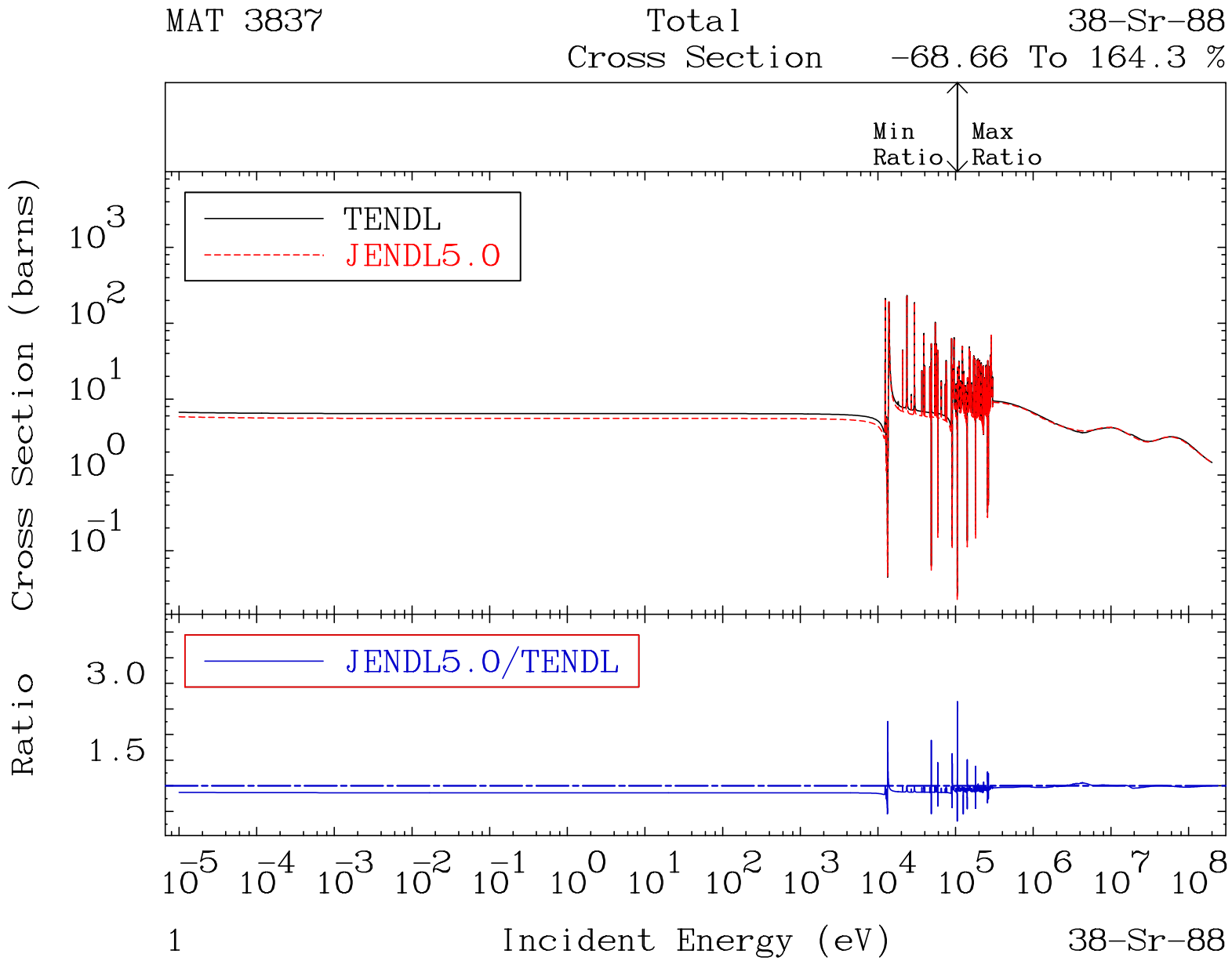
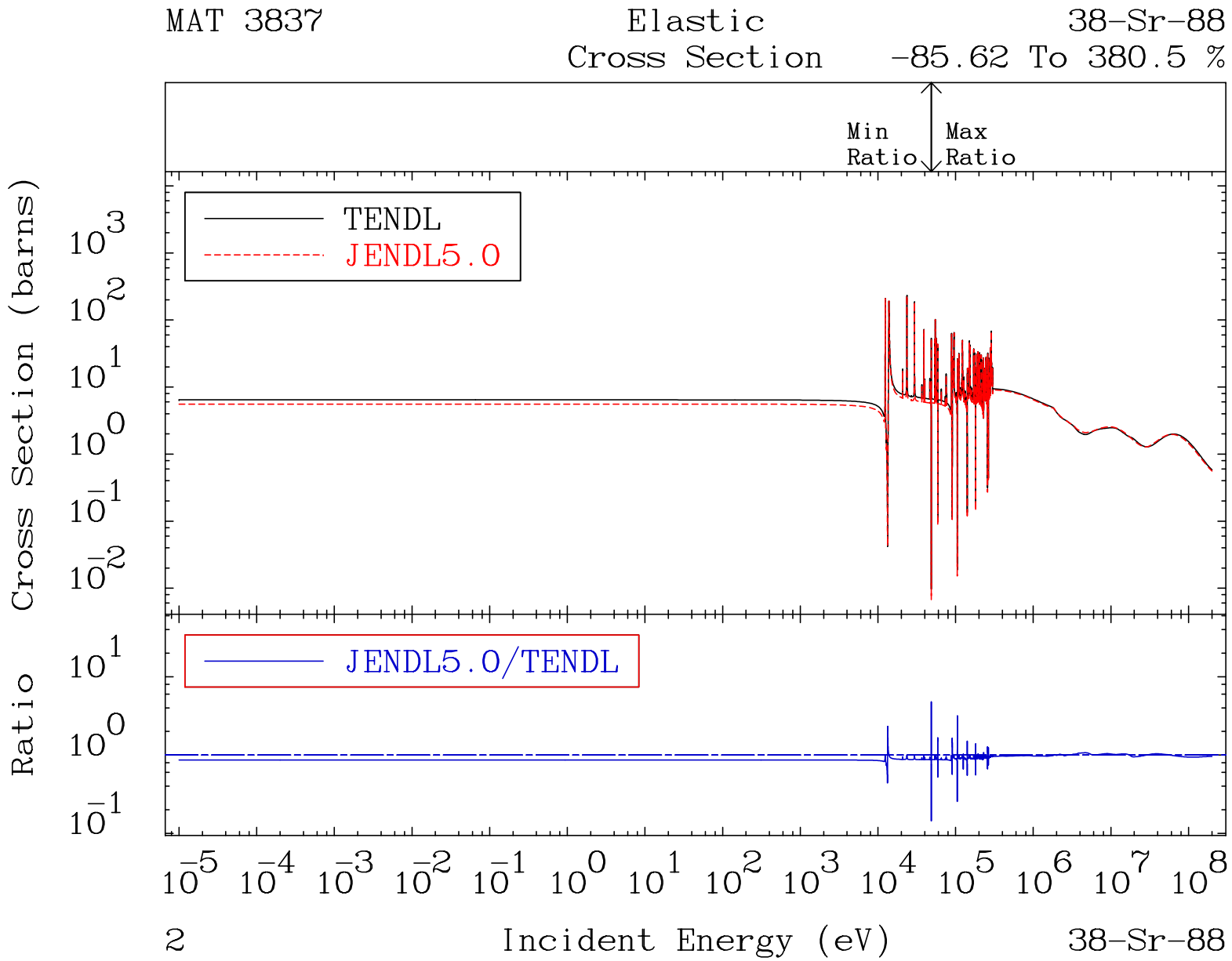
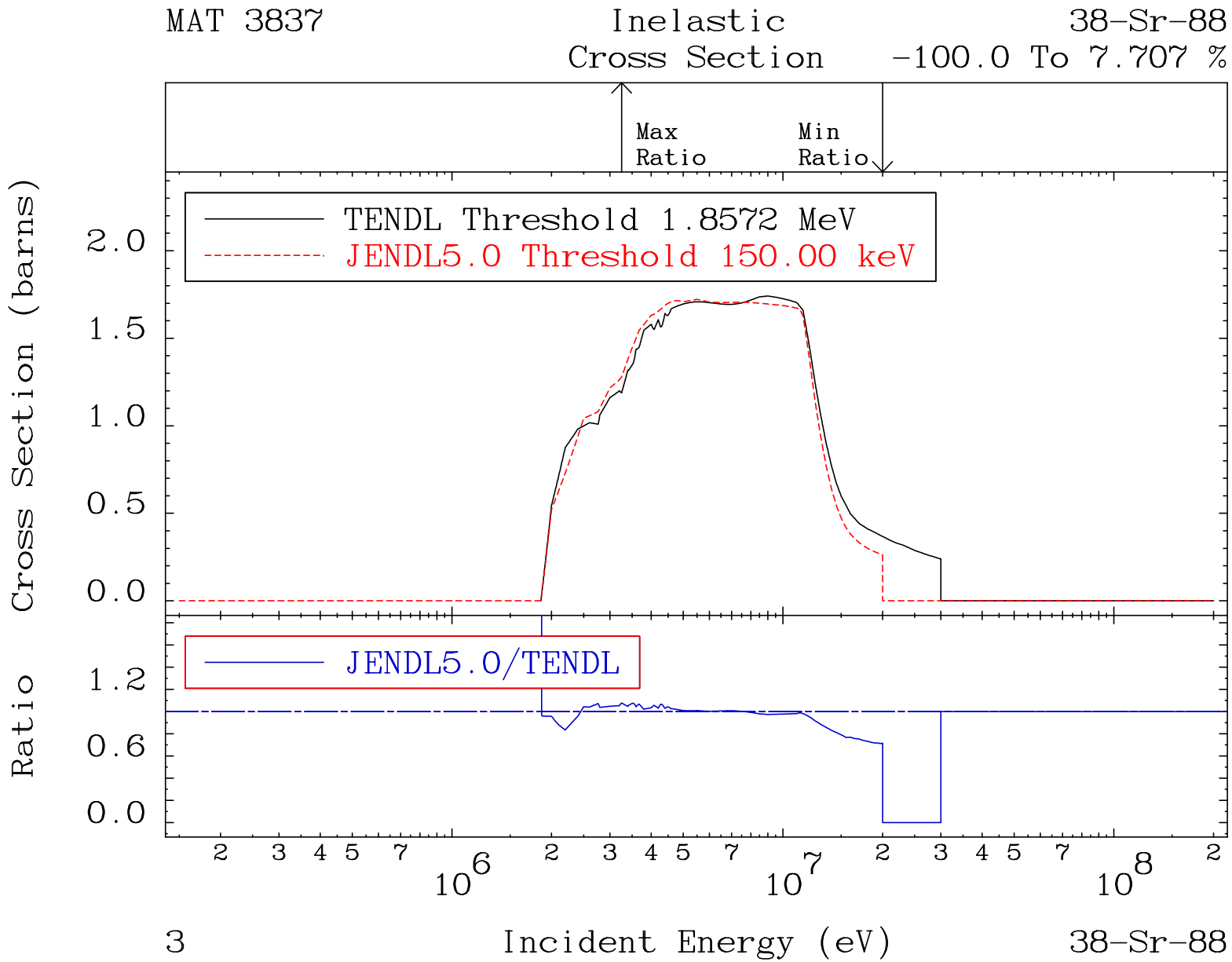
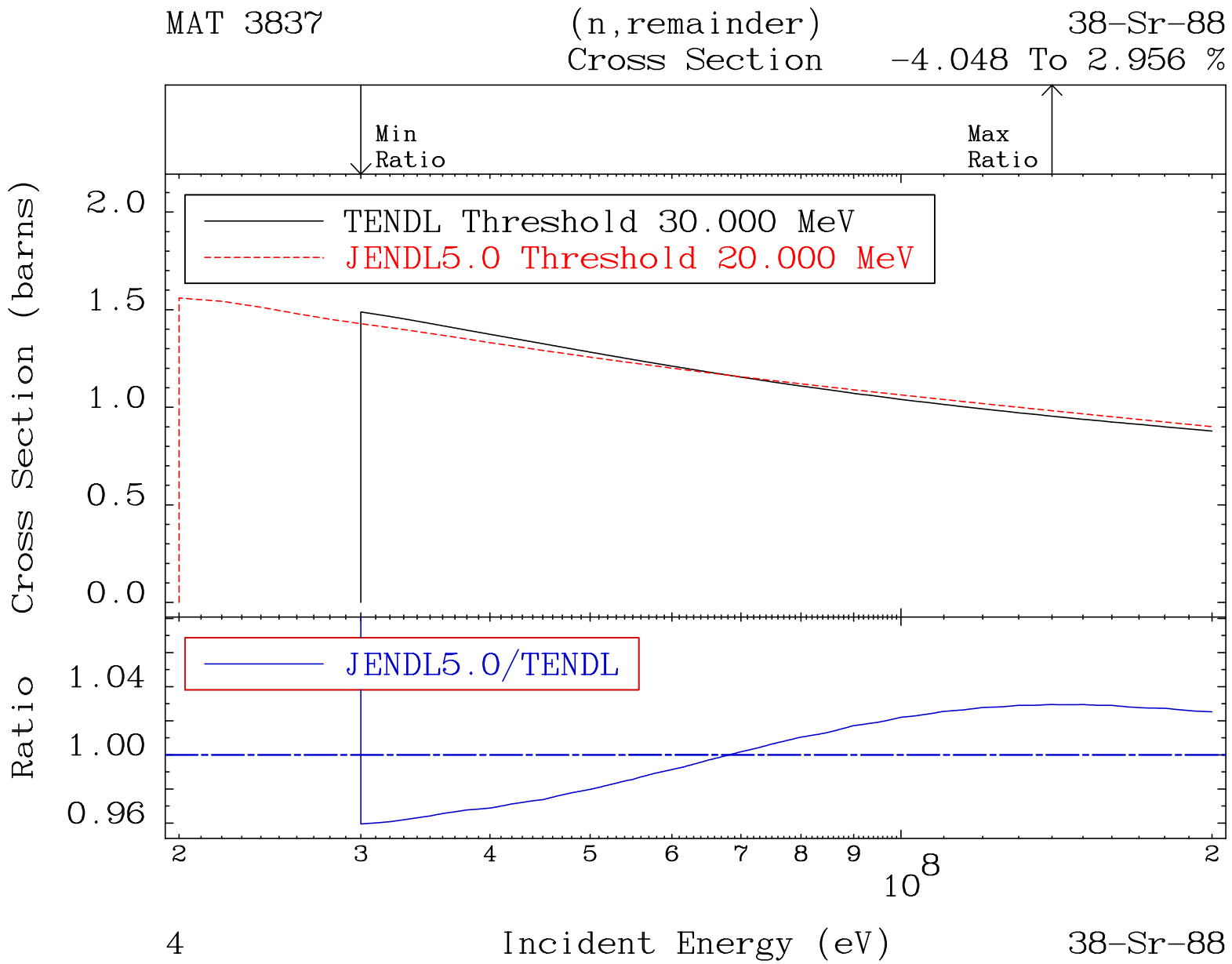
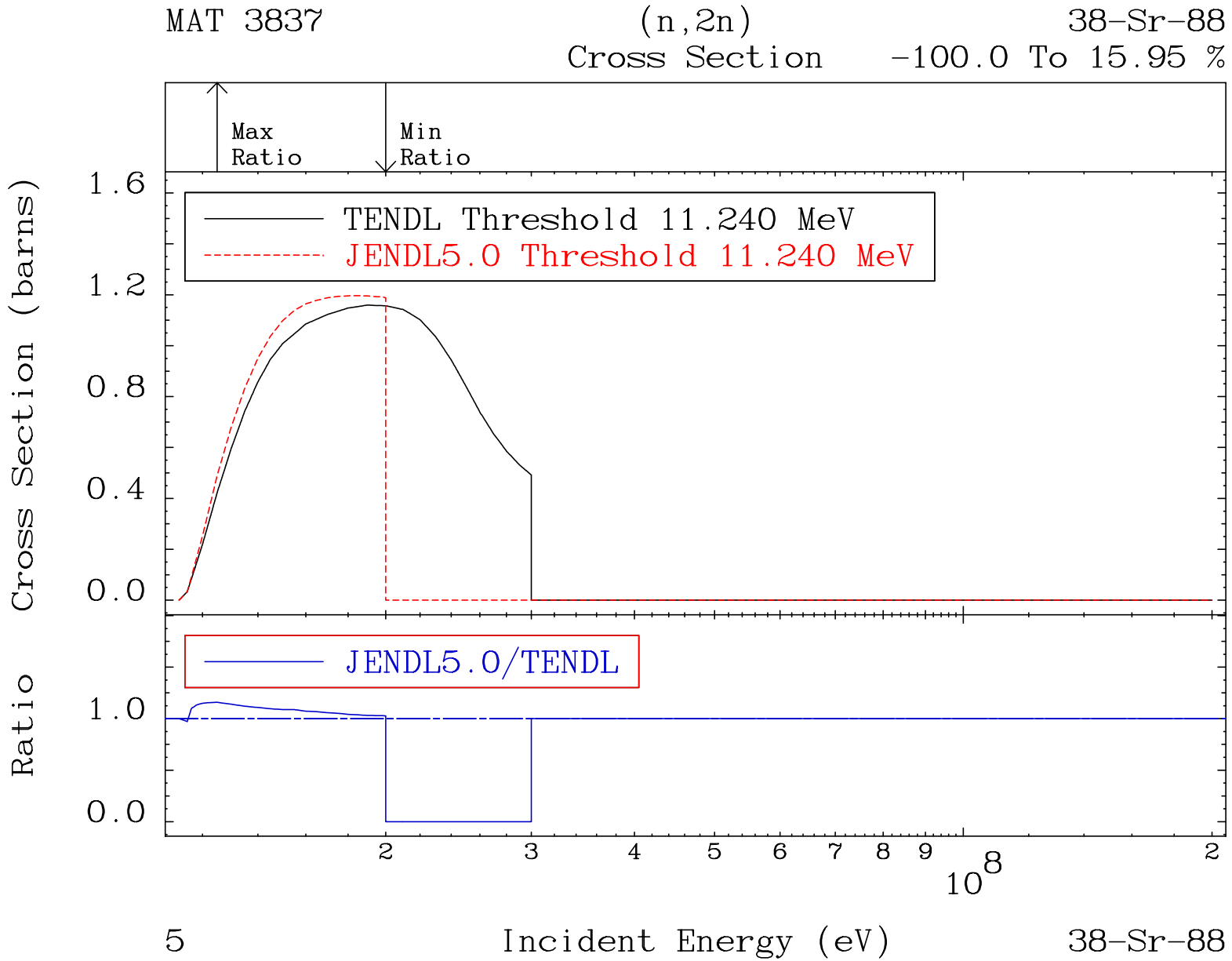
Press Mouse Button to Start

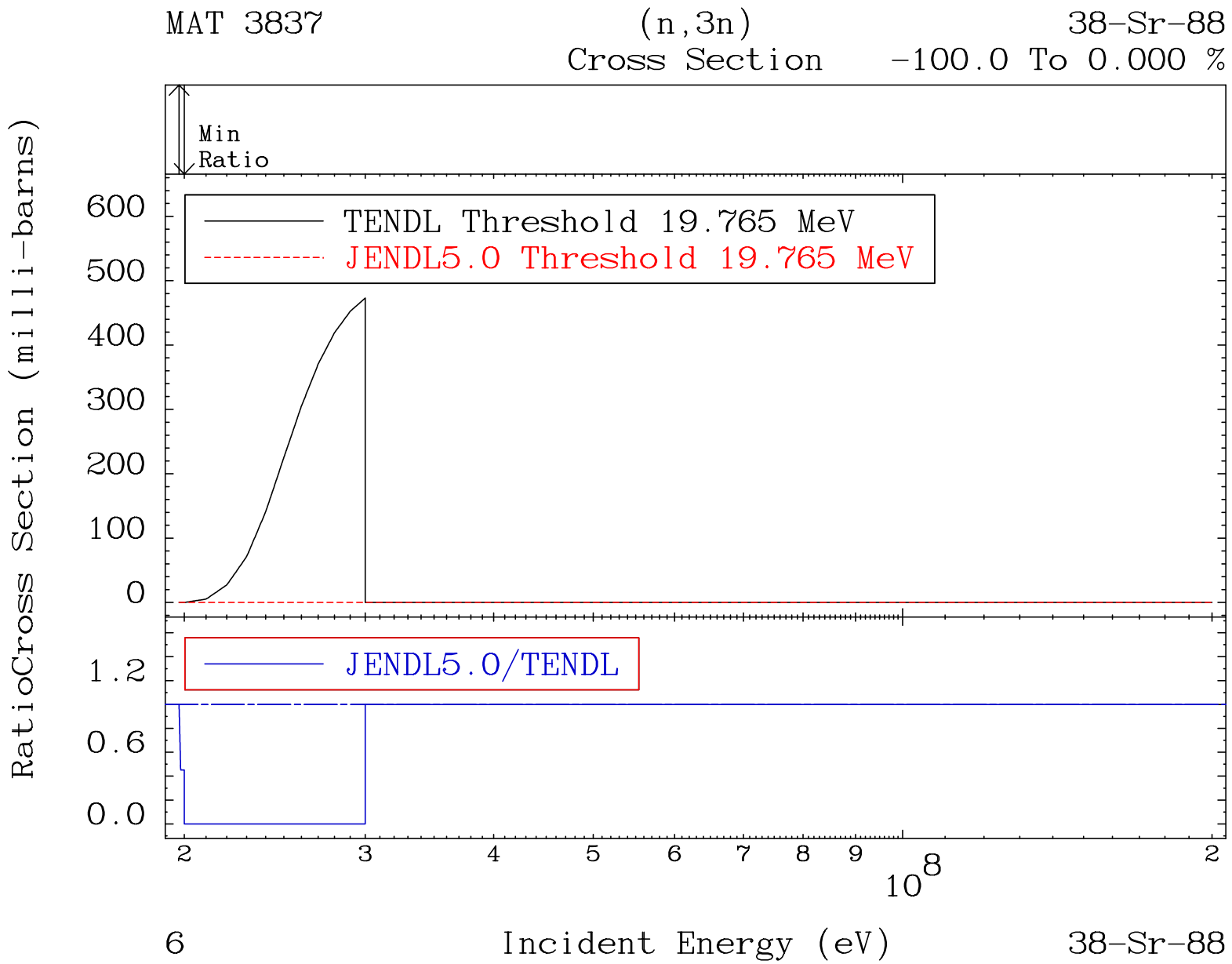

MAT 3837
Total
Cross Section
38-Sr-88
-68.66 To 164.3 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
38-Sr-88

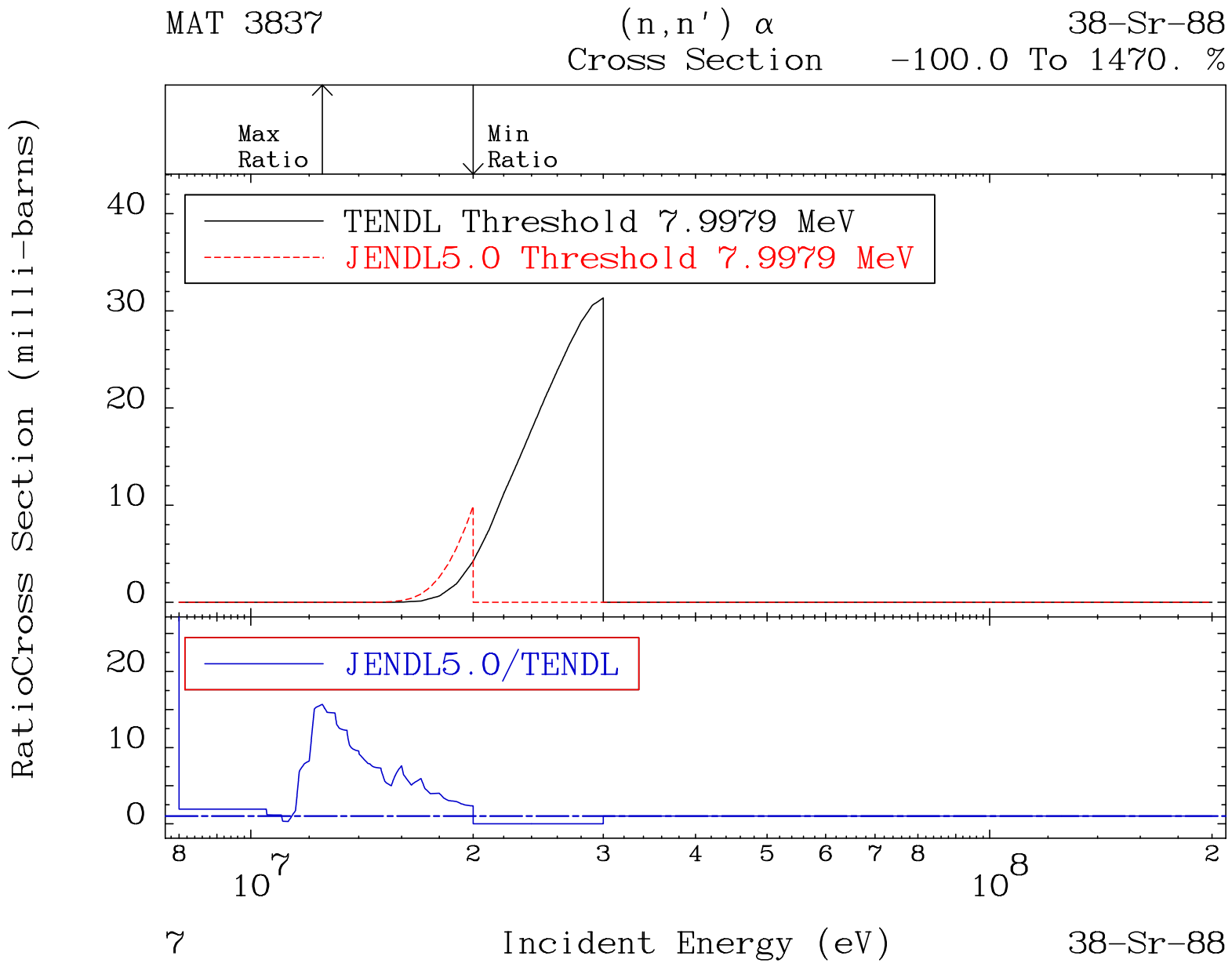

MAT 3837
Elastic
Cross Section
38-Sr-88
-85.62 To 380.5 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
38-Sr-88

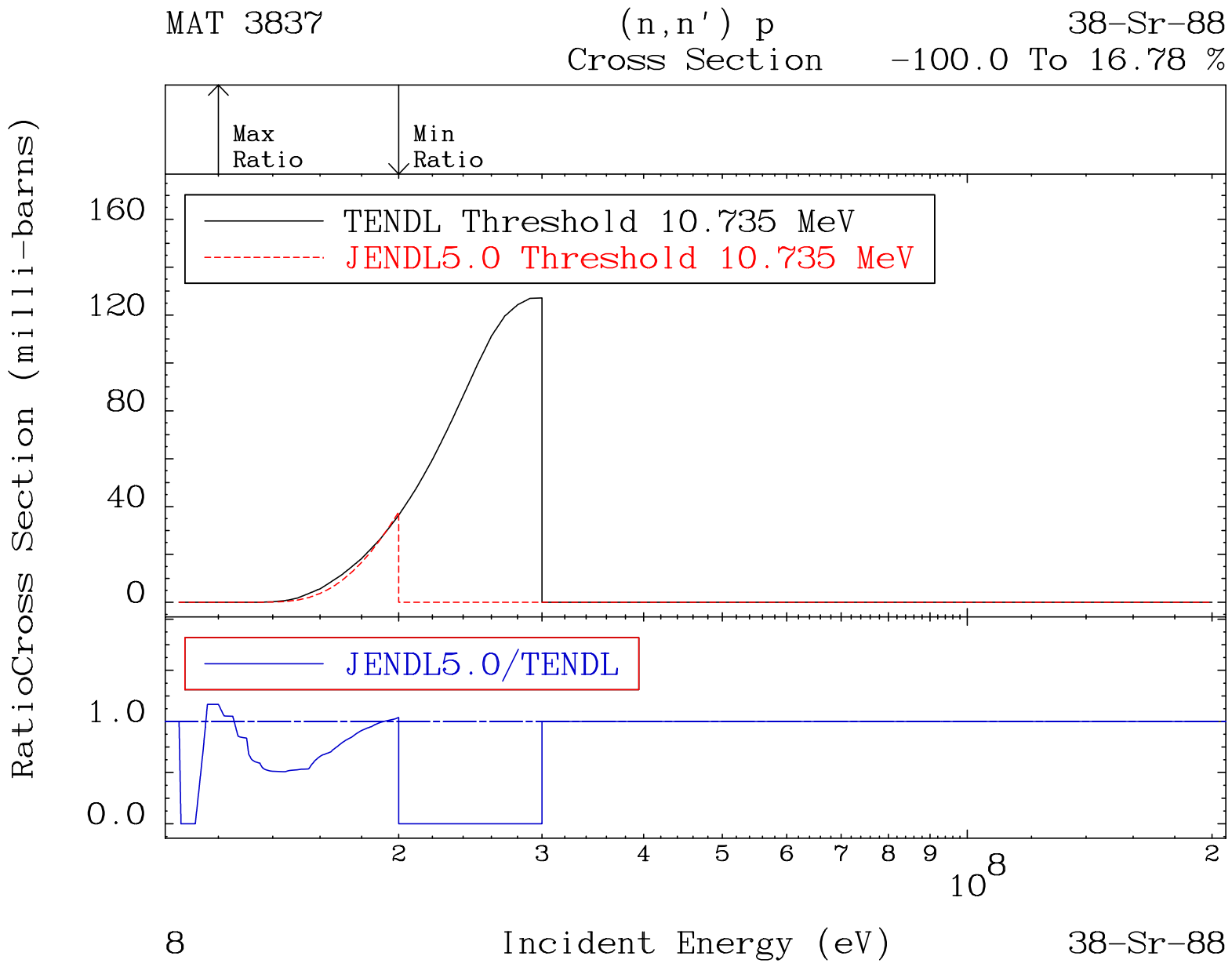

MAT 3837
Inelastic
Cross Section
38-Sr-88
-100.0 To 7.707 %
Max
Ratio
Min
Ratio
TENDL Threshold 1.8572 MeV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.2
0.6
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
3
Incident Energy (eV)
38-Sr-88

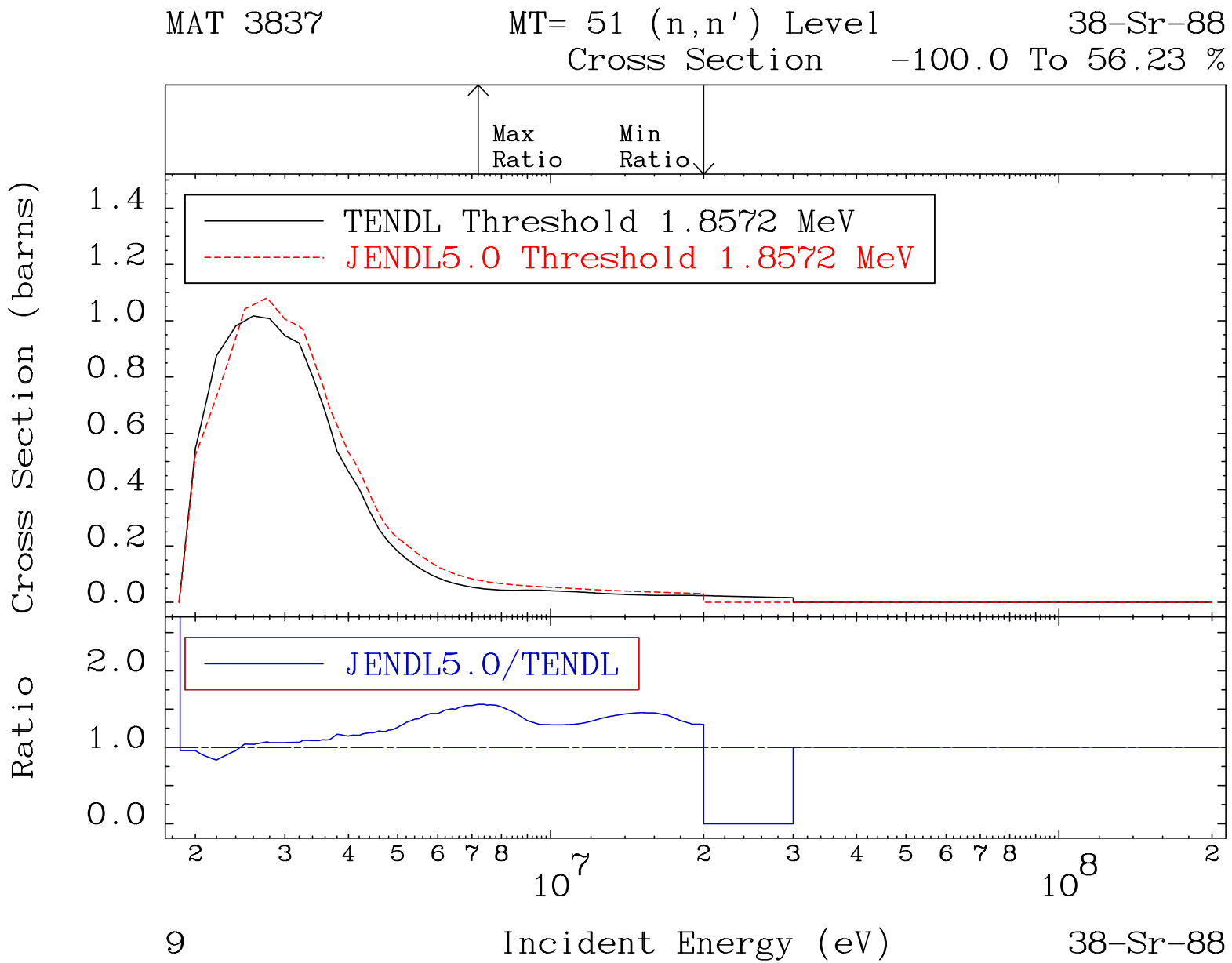

MAT 3837
(n,remainder)
Cross Section
38-Sr-88
-4.048 To 2.956 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.04
1.00
0.96
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
38-Sr-88

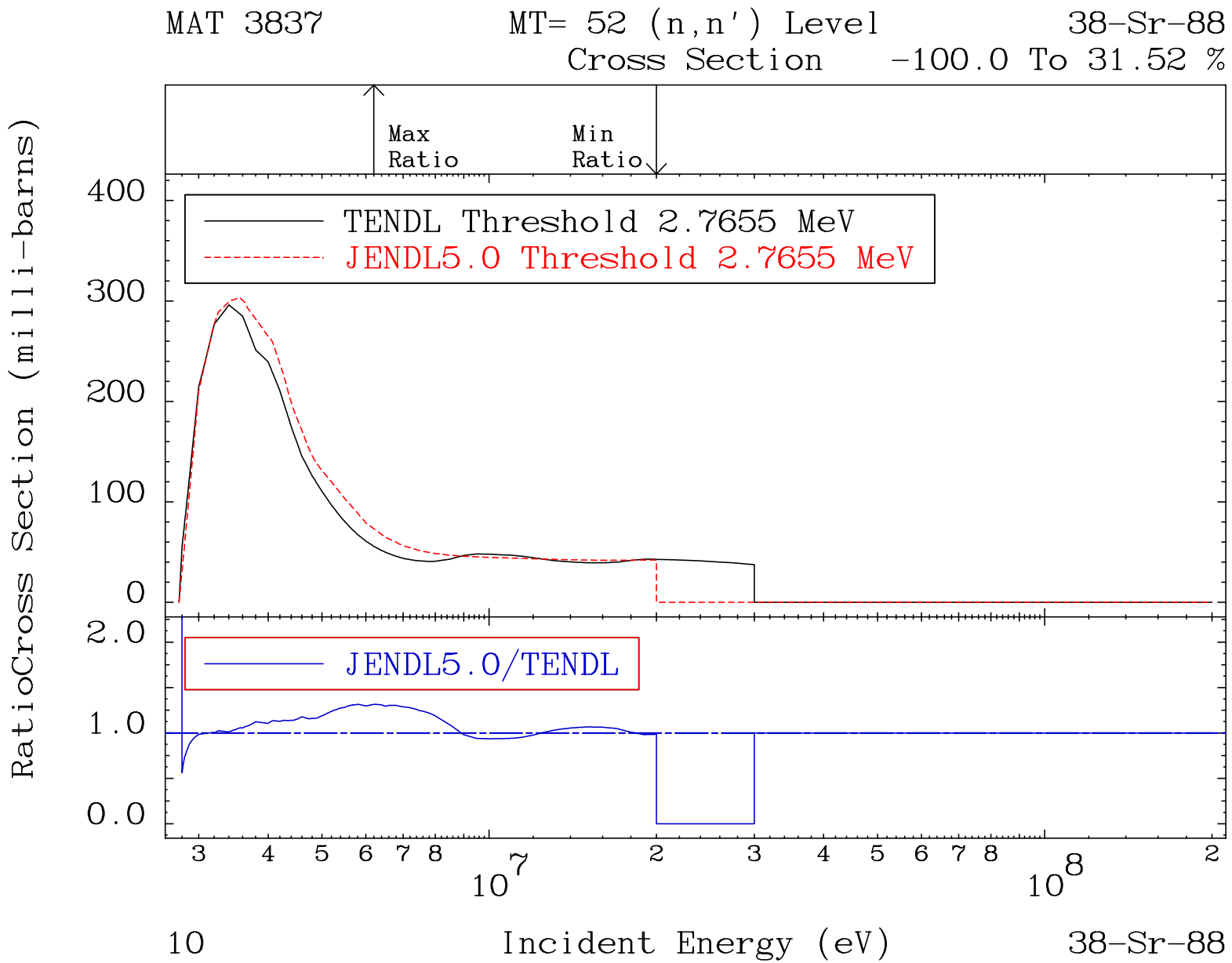

MAT 3837
(n,2n)
Cross Section
38-Sr-88
-100.0 To 15.95 %
Max Ratio
Min Ratio
TENDL Threshold 11.240 MeV
JENDL5.0 Threshold 11.240 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
38-Sr-88

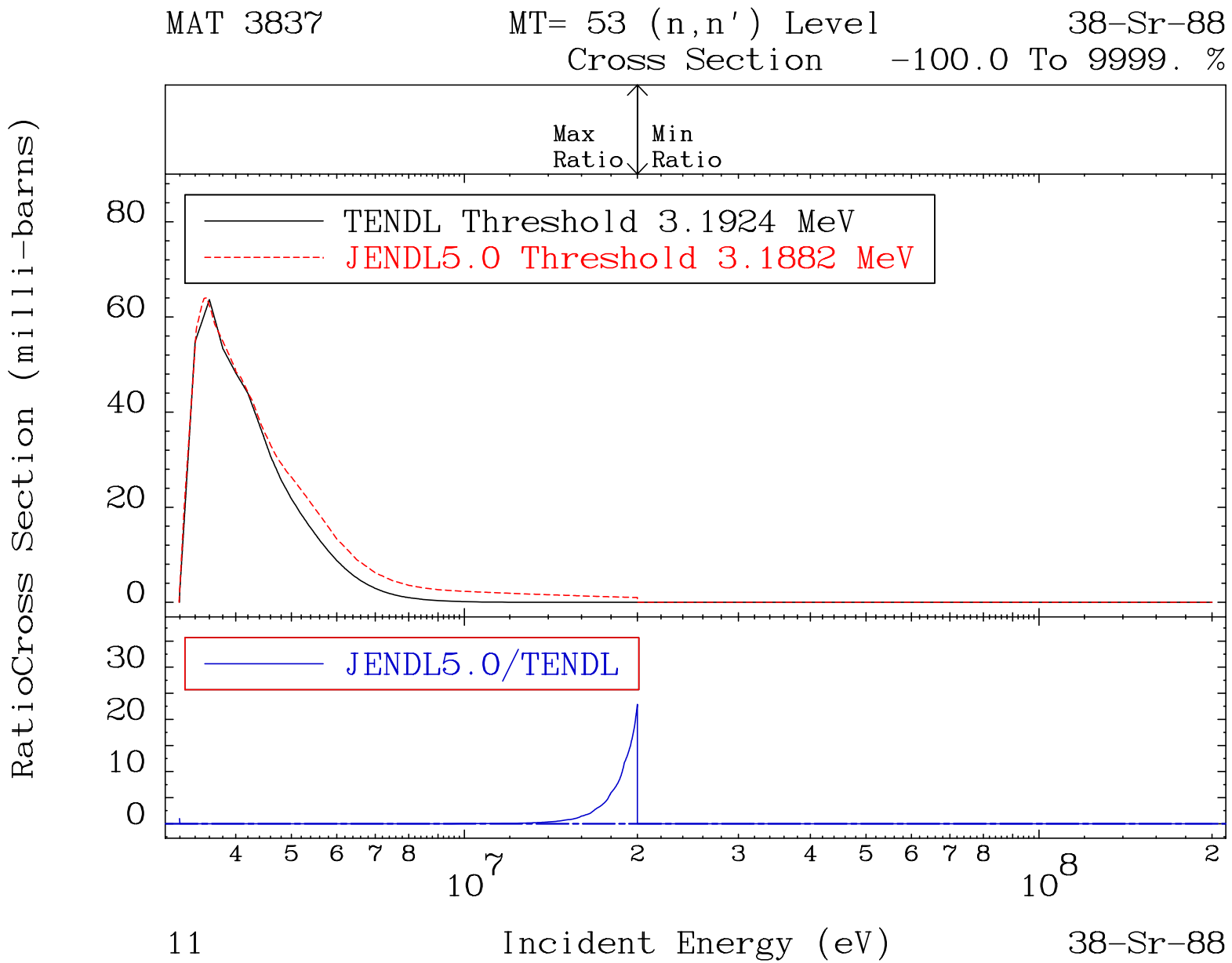

MAT 3837
(n,3n)
38-Sr-88
Cross Section
-100.0 To 0.000 %
Min
Ratio
TENDL Threshold 19.765 MeV
JENDL5.0 Threshold 19.765 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
38-Sr-88

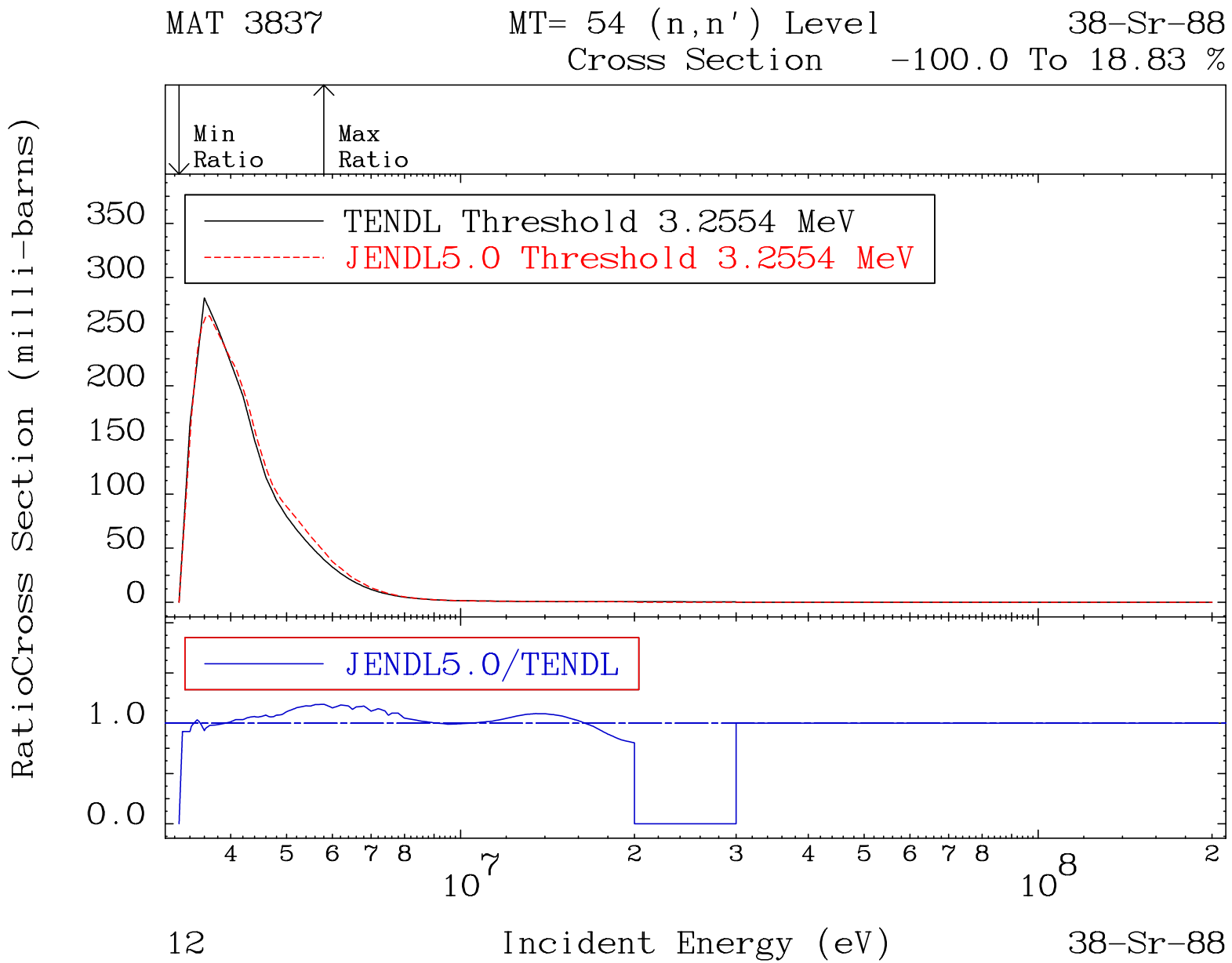

MAT 3837
(n,n') α
Cross Section
38-Sr-88
-100.0 To 1470. %
Max Ratio
Min Ratio
TENDL Threshold 7.9979 MeV
JENDL5.0 Threshold 7.9979 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
38-Sr-88

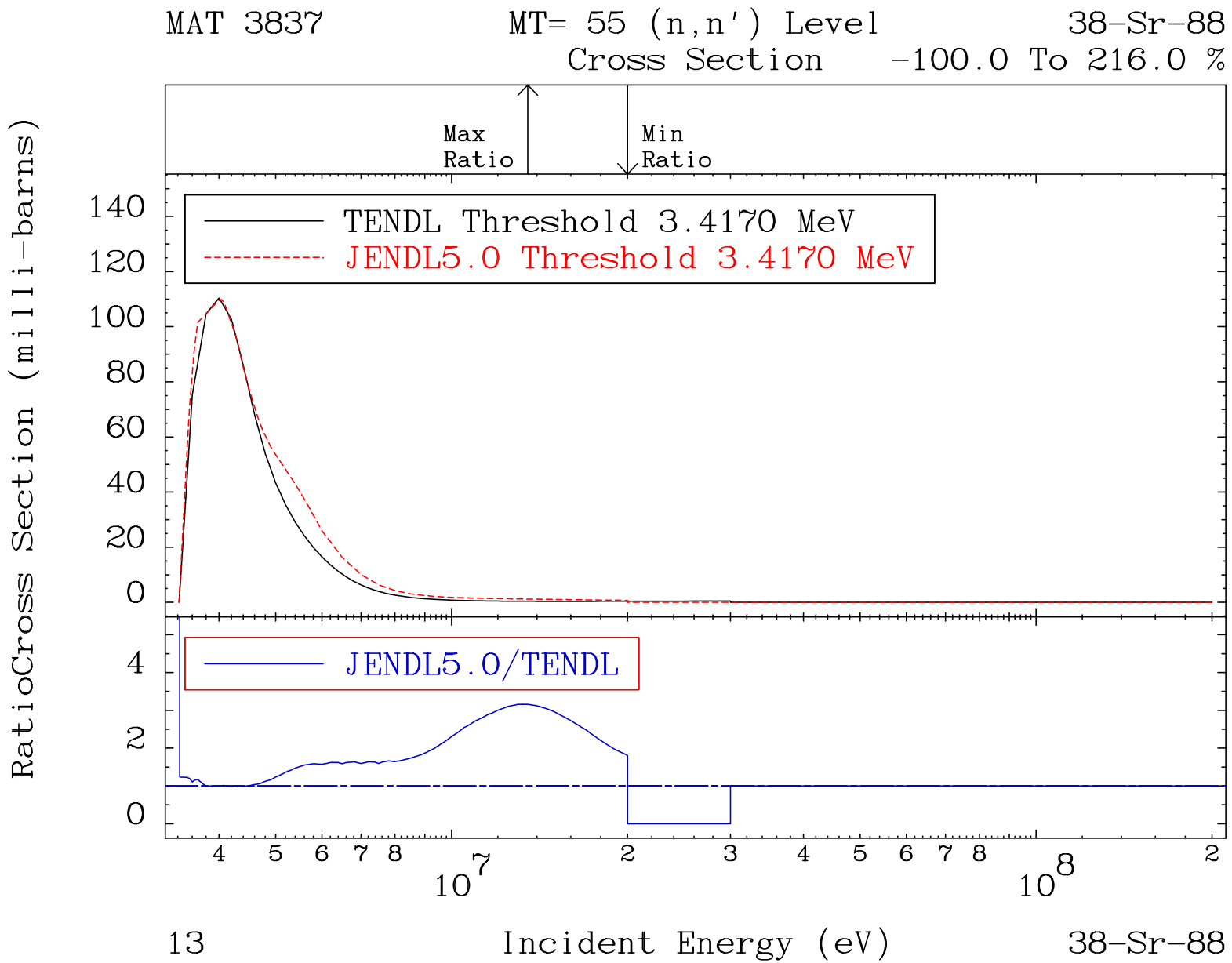

MAT 3837
(n,n') p
Cross Section
38-Sr-88
-100.0 To 16.78 %
Max Ratio
Min Ratio
TENDL Threshold 10.735 MeV
JENDL5.0 Threshold 10.735 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
8
Incident Energy (eV)
38-Sr-88

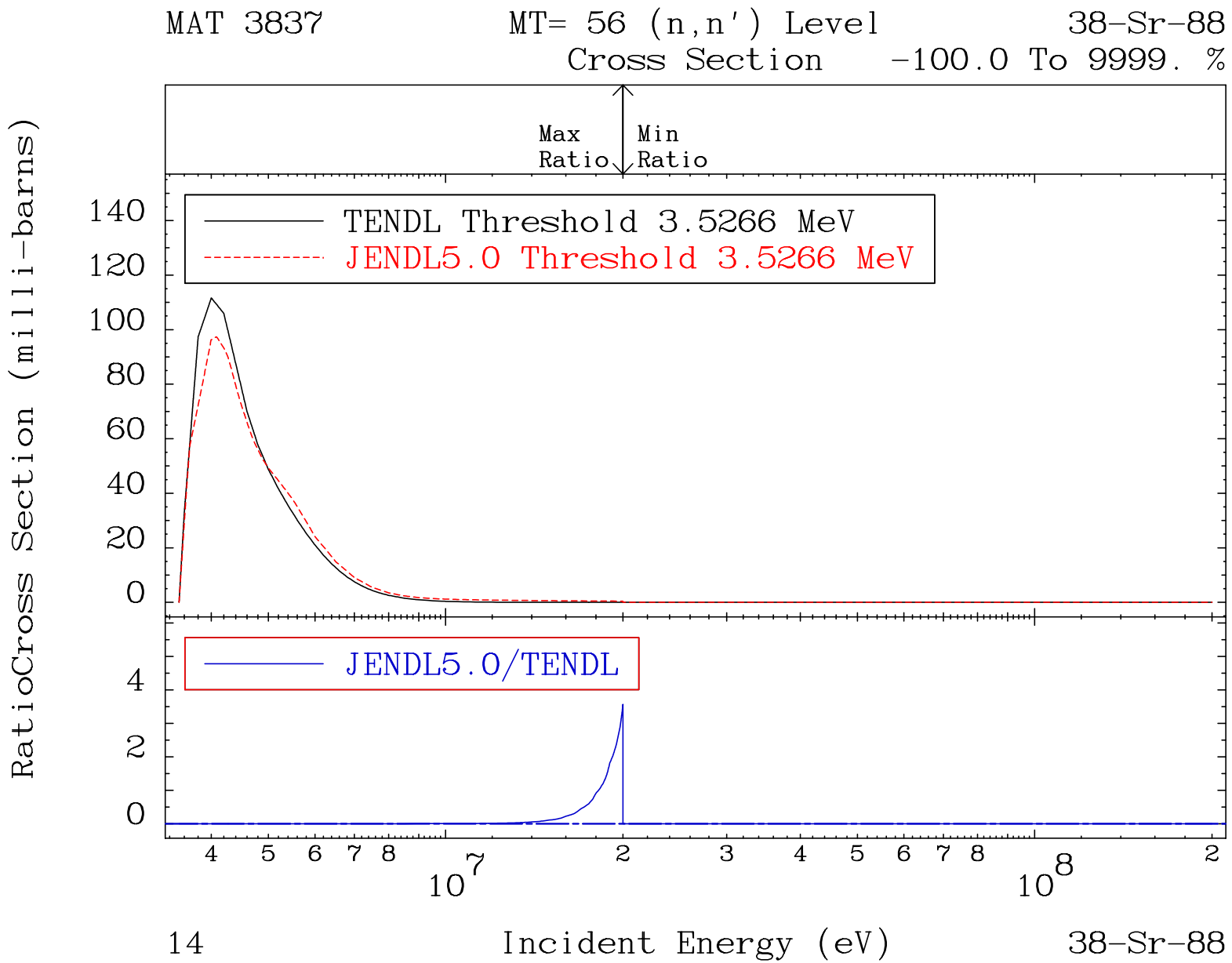

MAT 3837
MT= 51 (n,n') Level
38-Sr-88
Cross Section -100.0 To 56.23 %
Max Ratio
Min Ratio
TENDL Threshold 1.8572 MeV
JENDL5.0 Threshold 1.8572 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
Incident Energy (eV)
9
38-Sr-88

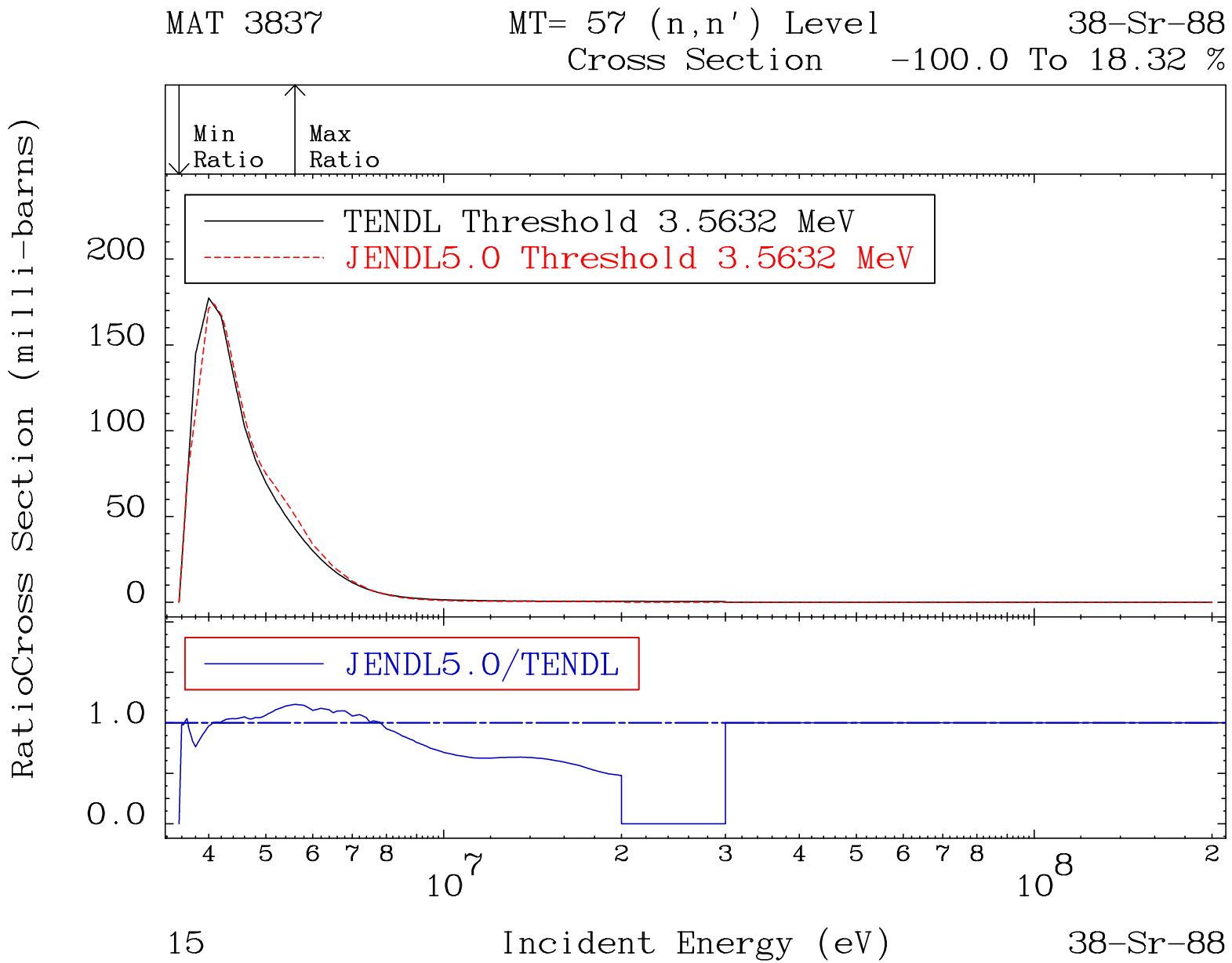

MAT 3837
MT= 52 (n,n') Level
38-Sr-88
Cross Section -100.0 To 31.52 %
Max Ratio
Min Ratio
TENDL Threshold 2.7655 MeV
JENDL5.0 Threshold 2.7655 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
10
Incident Energy (eV)
38-Sr-88

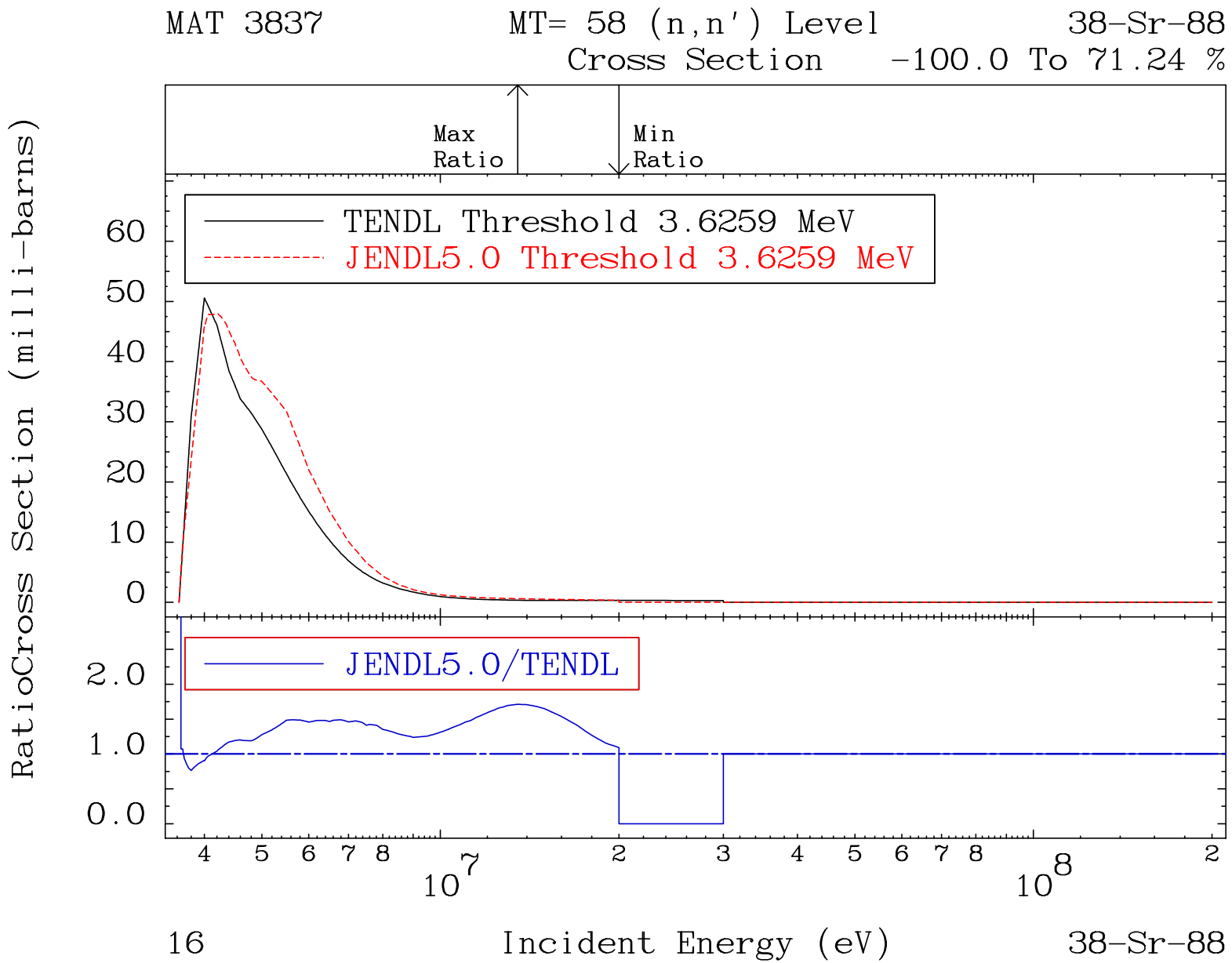

MAT 3837
MT= 53 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.1924 MeV
JENDL5.0 Threshold 3.1882 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
30
20
10
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
38-Sr-88

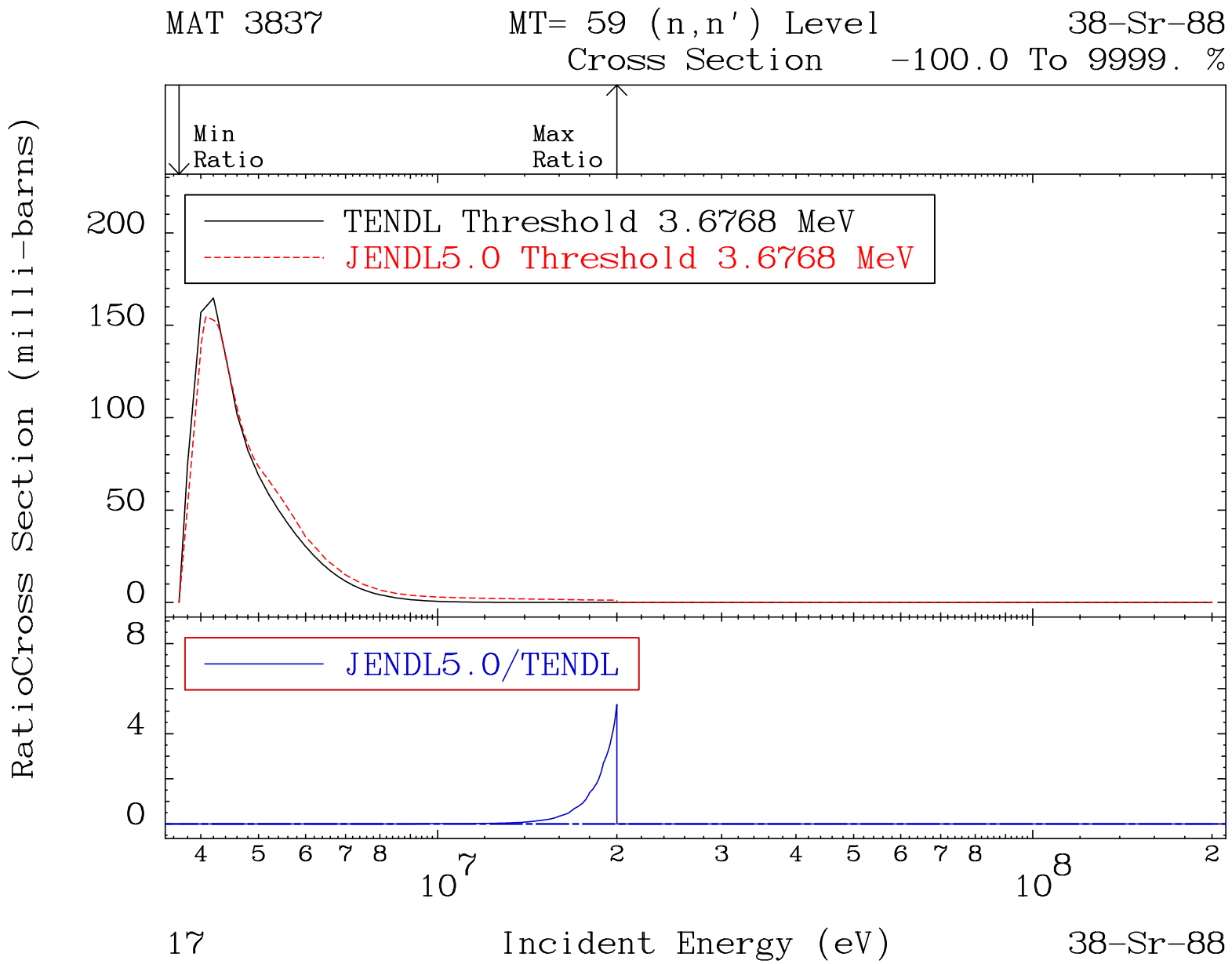

MAT 3837
MT= 54 (n,n') Level
38-Sr-88
Cross Section -100.0 To 18.83 %
Min Ratio
Max Ratio
TENDL Threshold 3.2554 MeV
JENDL5.0 Threshold 3.2554 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
38-Sr-88

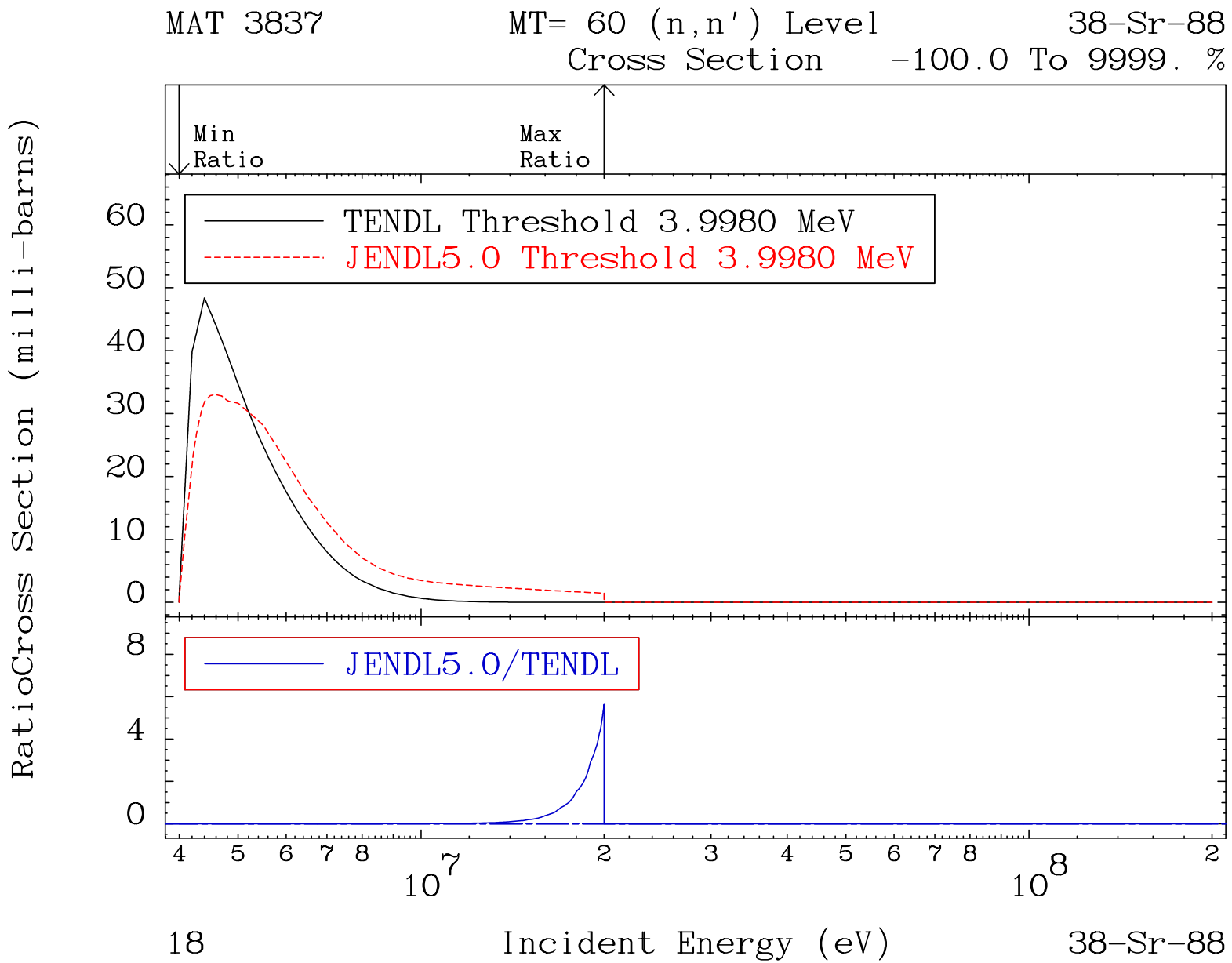

MAT 3837
MT= 55 (n,n') Level
38-Sr-88
Cross Section -100.0 To 216.0 %
Max Ratio
Min Ratio
TENDL Threshold 3.4170 MeV
JENDL5.0 Threshold 3.4170 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
4
2
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
38-Sr-88

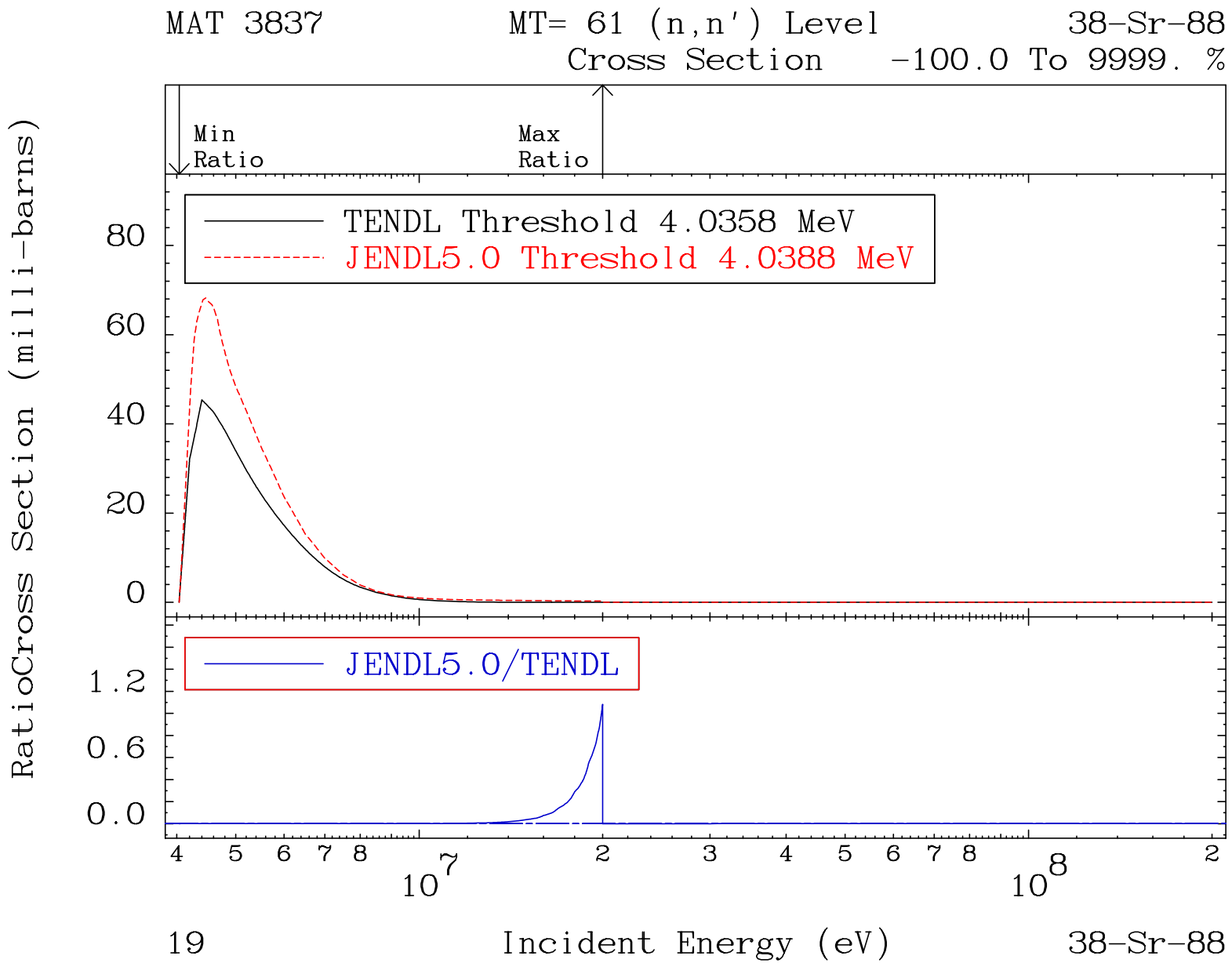

MAT 3837
MT= 56 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.5266 MeV
JENDL5.0 Threshold 3.5266 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
4
2
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
38-Sr-88

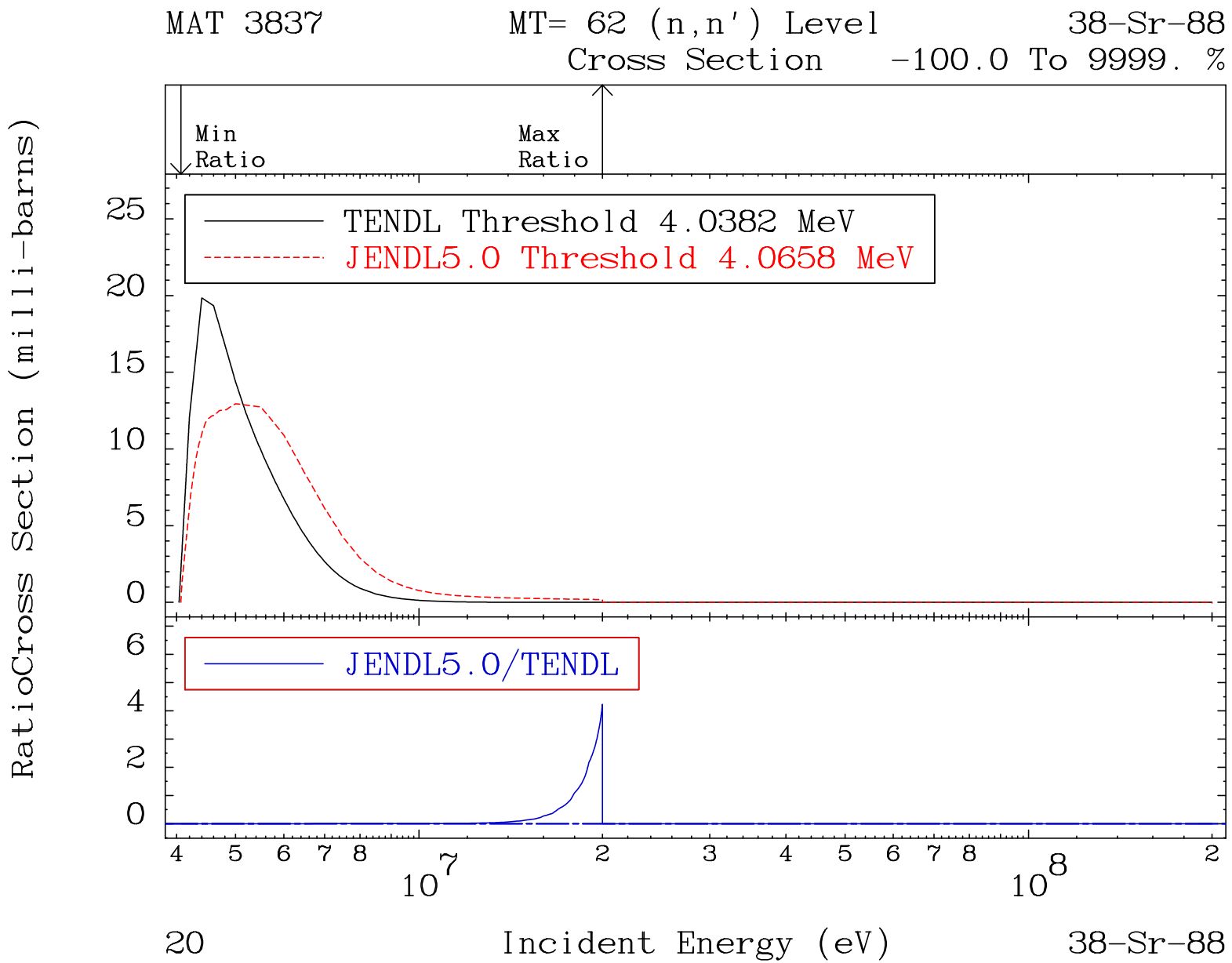

MAT 3837
MT= 57 (n,n') Level
38-Sr-88
Cross Section -100.0 To 18.32 %
Min Ratio
Max Ratio
TENDL Threshold 3.5632 MeV
JENDL5.0 Threshold 3.5632 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
38-Sr-88

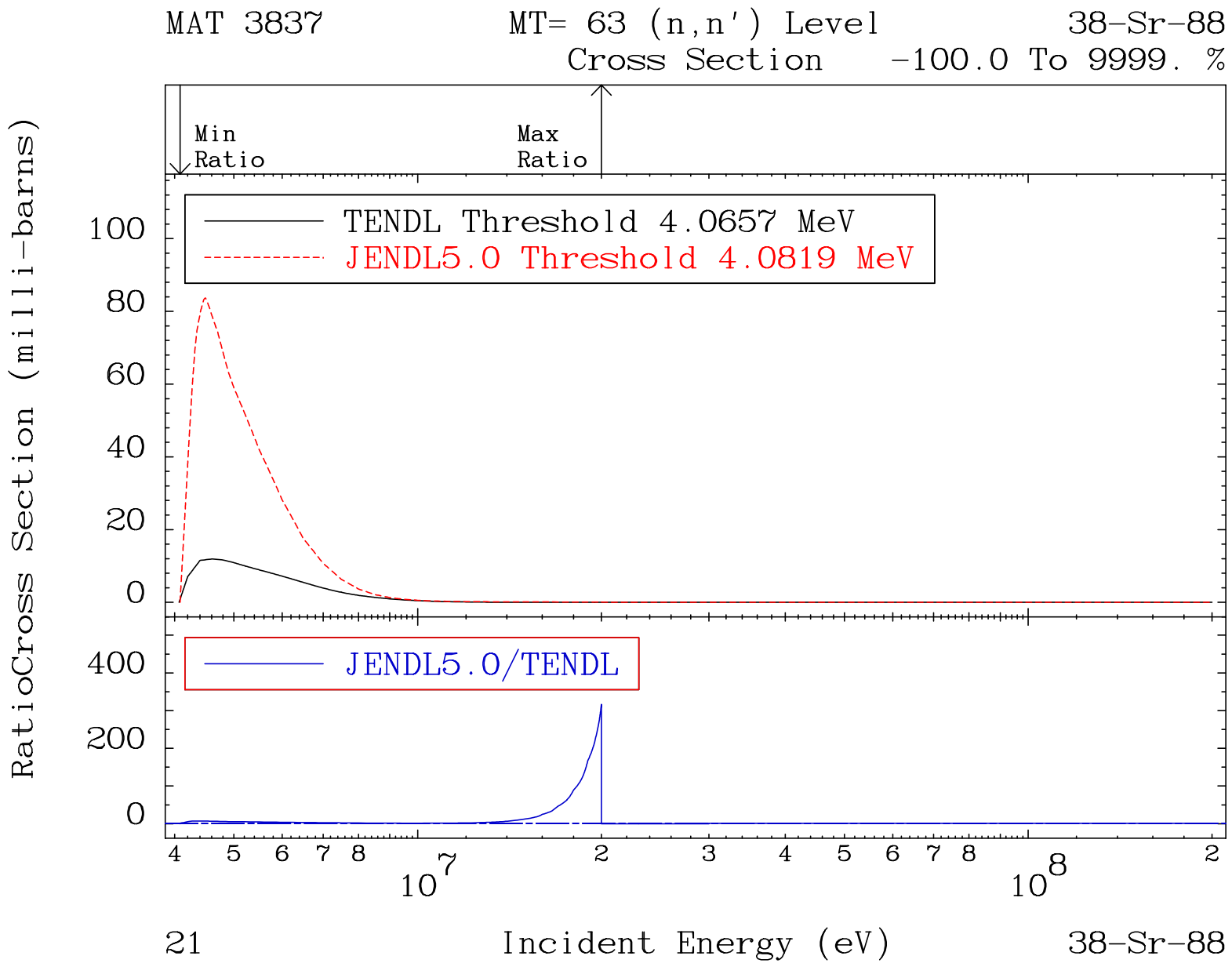

MAT 3837
MT= 58 (n,n') Level
38-Sr-88
Cross Section -100.0 To 71.24 %
Max Ratio
Min Ratio
TENDL Threshold 3.6259 MeV
JENDL5.0 Threshold 3.6259 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
2.0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
38-Sr-88

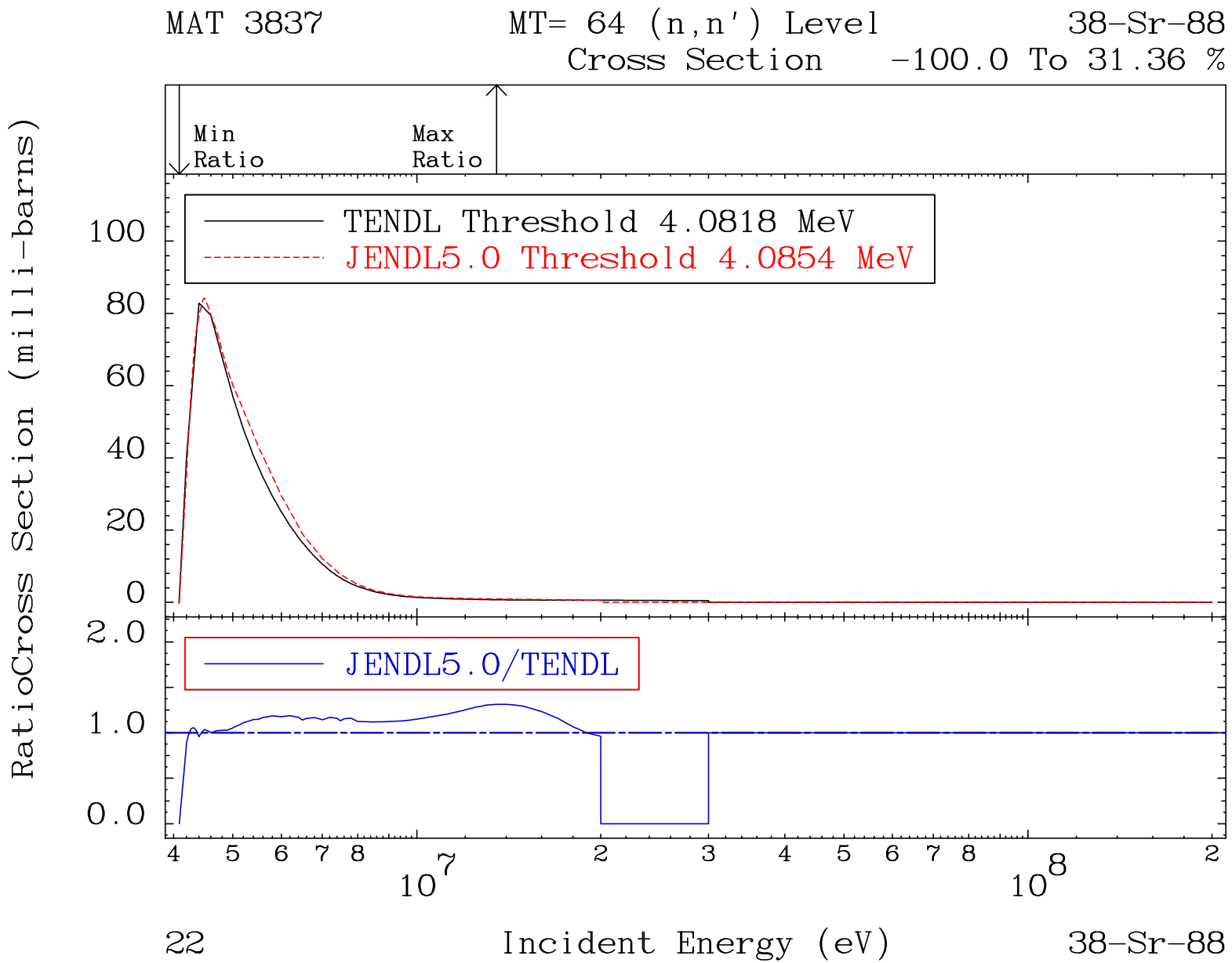

MAT 3837
MT= 59 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.6768 MeV
JENDL5.0 Threshold 3.6768 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
8
4
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
38-Sr-88

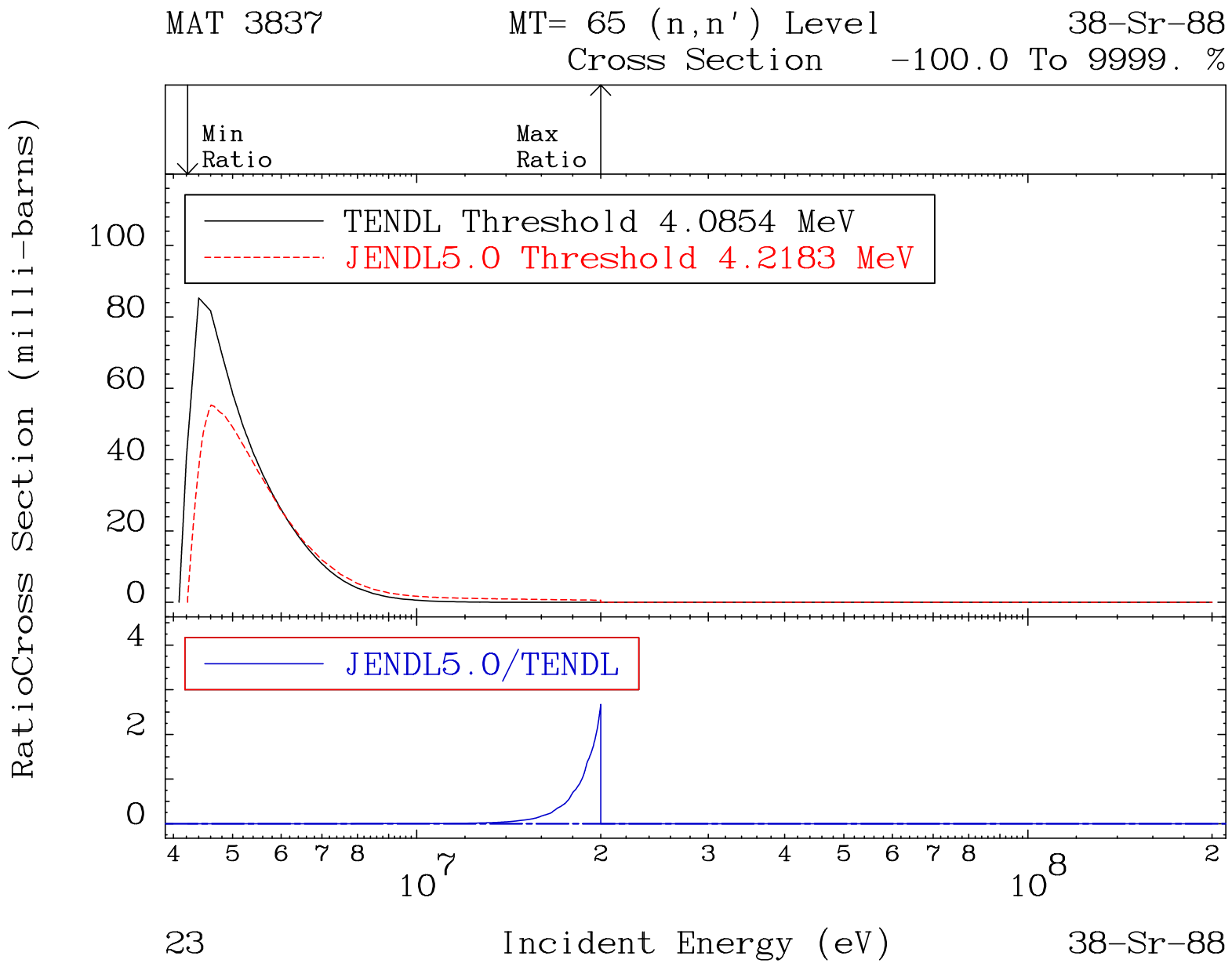

MAT 3837
MT= 60 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.9980 MeV
JENDL5.0 Threshold 3.9980 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
8
4
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
18
38-Sr-88

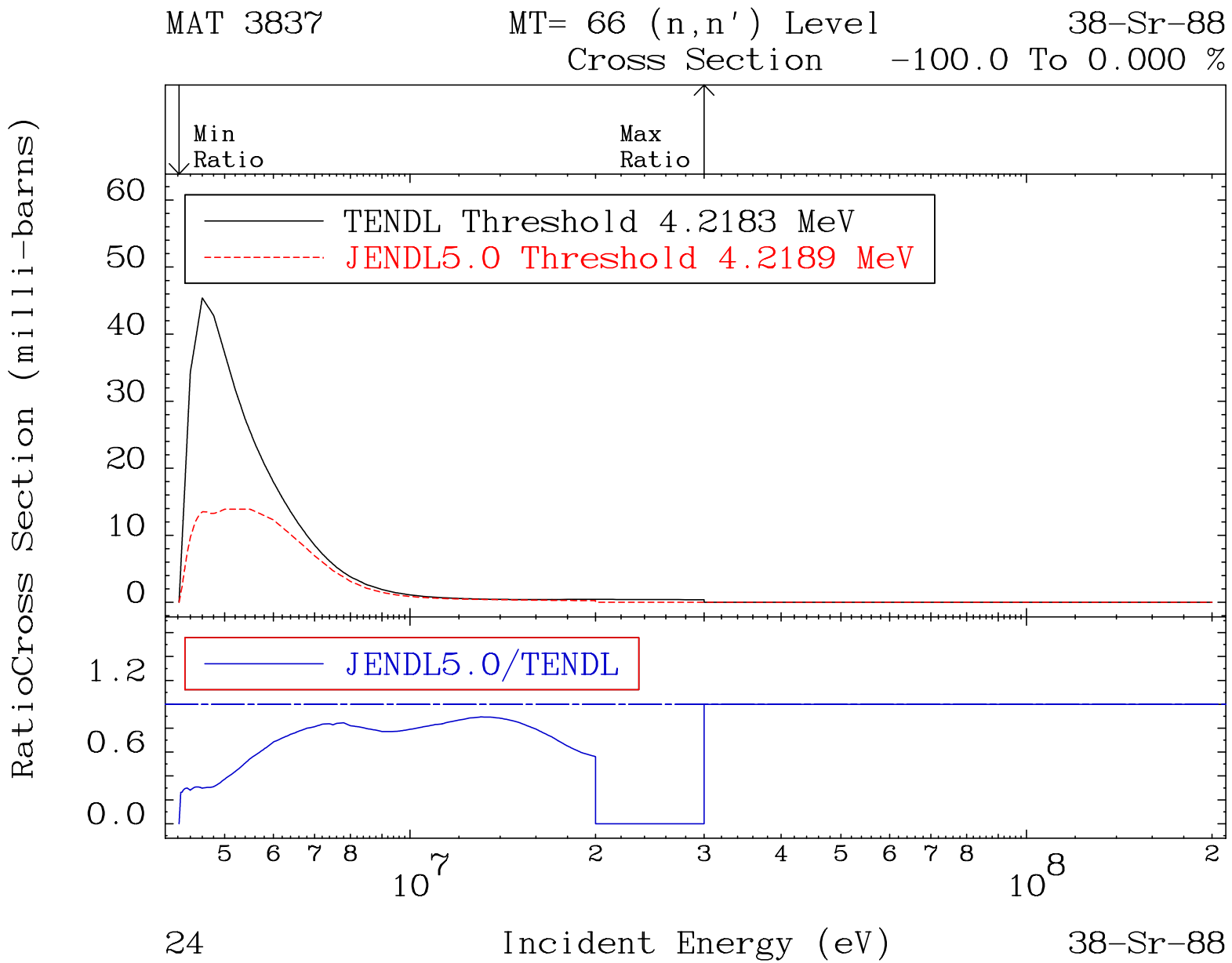

MAT 3837
MT= 61 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.0358 MeV
JENDL5.0 Threshold 4.0388 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
38-Sr-88

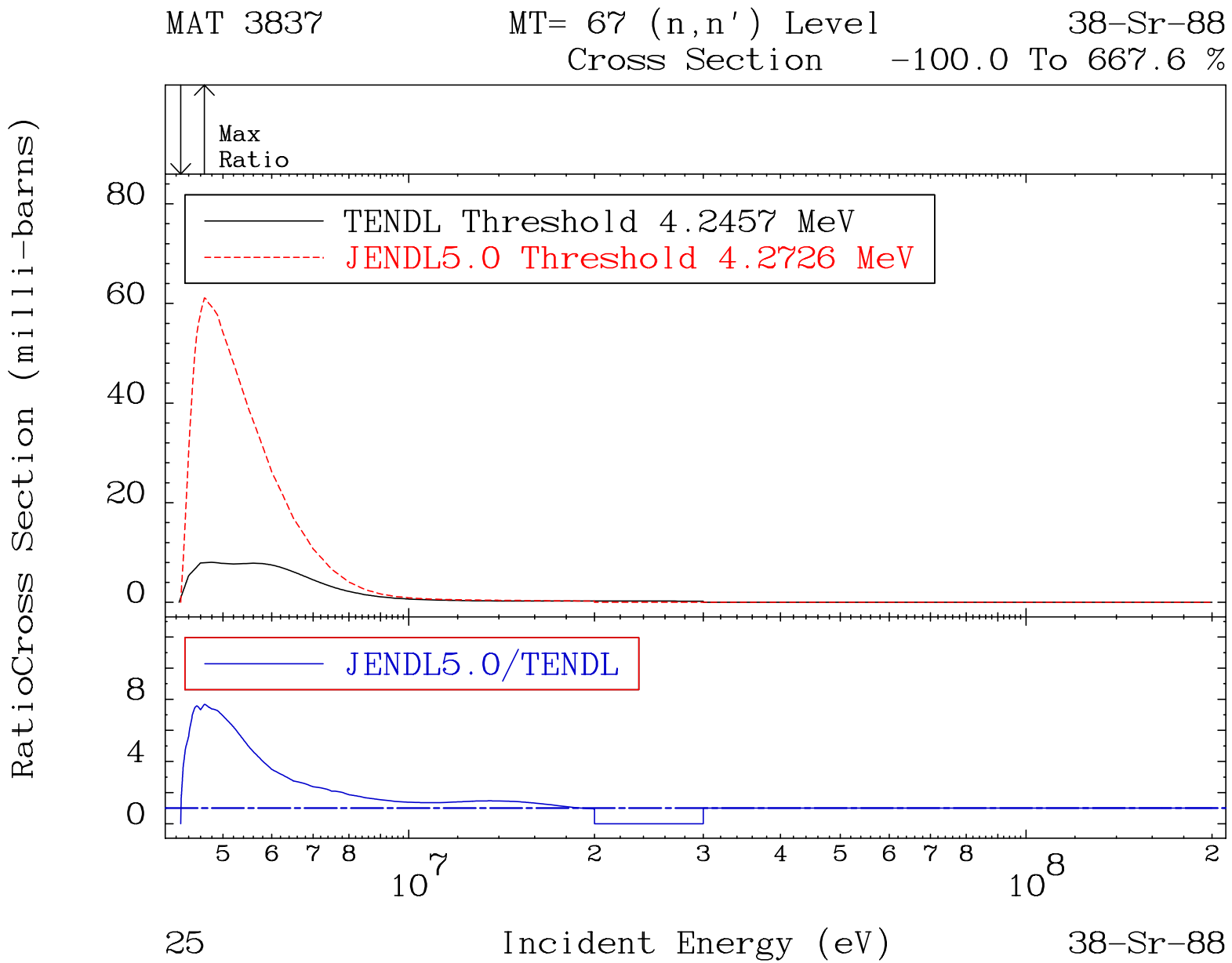

MAT 3837
MT= 62 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.0382 MeV
JENDL5.0 Threshold 4.0658 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
20
38-Sr-88

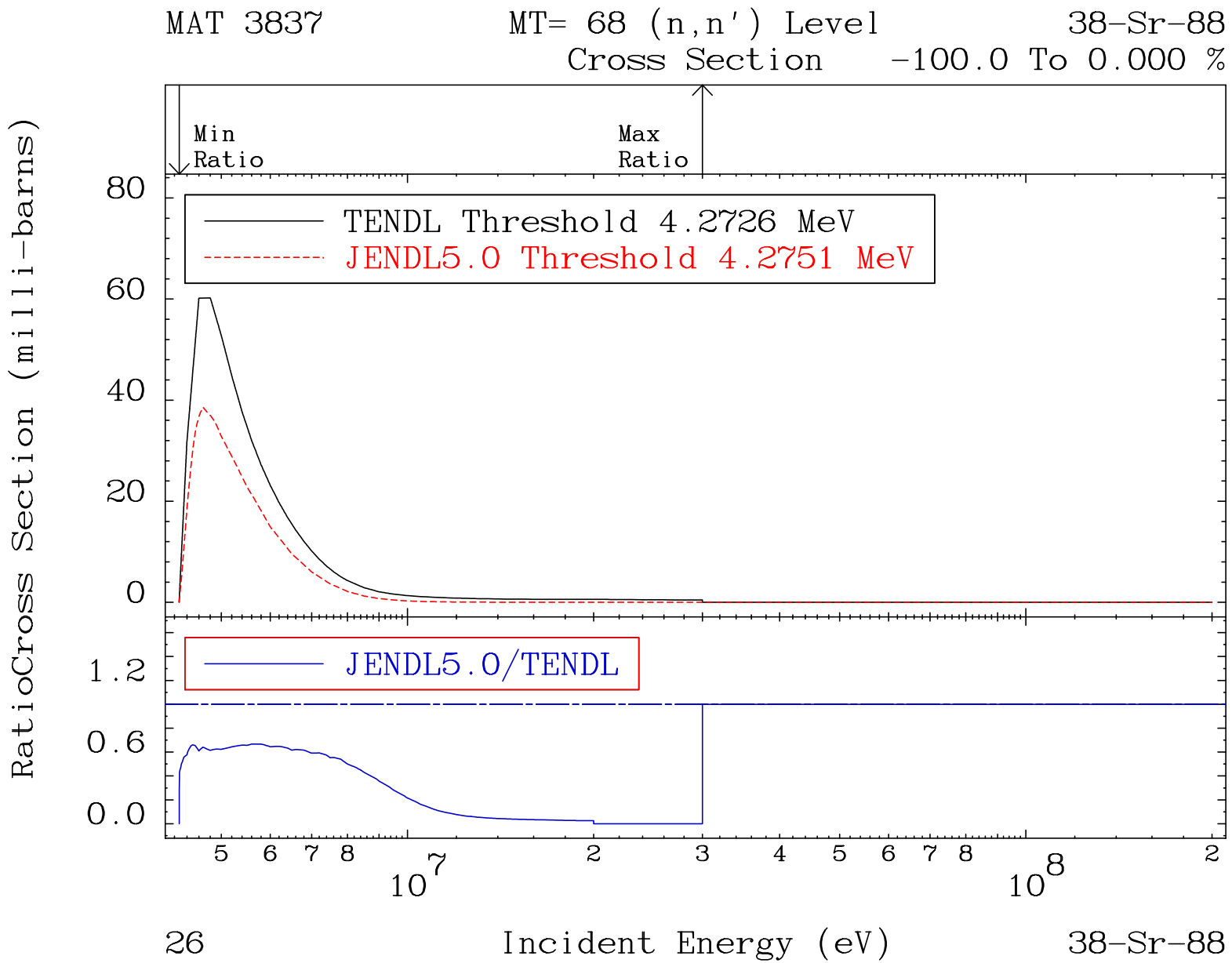

MAT 3837
MT= 63 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.0657 MeV
JENDL5.0 Threshold 4.0819 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
400
200
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
38-Sr-88

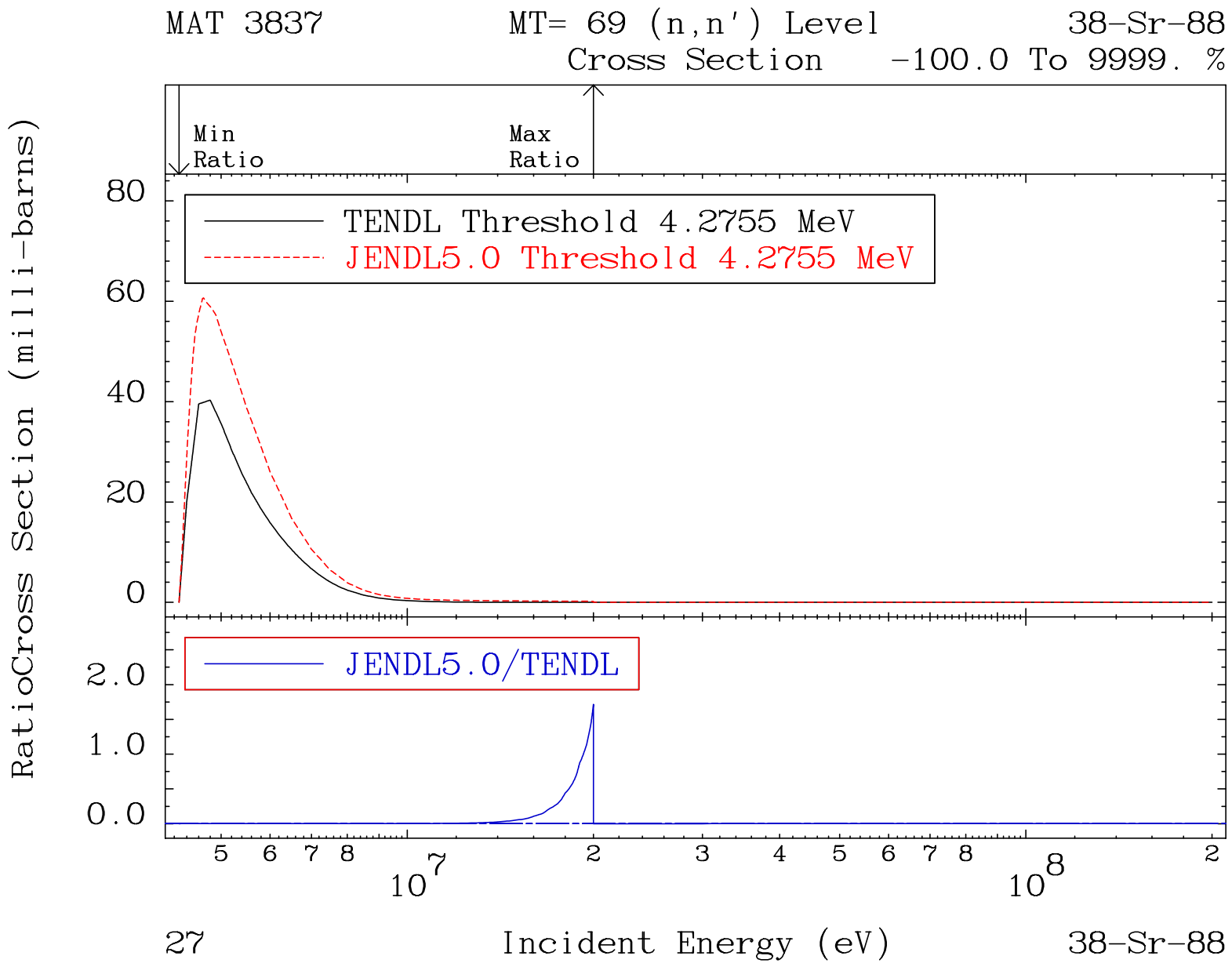

MAT 3837
MT= 64 (n,n') Level
38-Sr-88
Cross Section -100.0 To 31.36 %
Min Ratio
Max Ratio
TENDL Threshold 4.0818 MeV
JENDL5.0 Threshold 4.0854 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
22
38-Sr-88

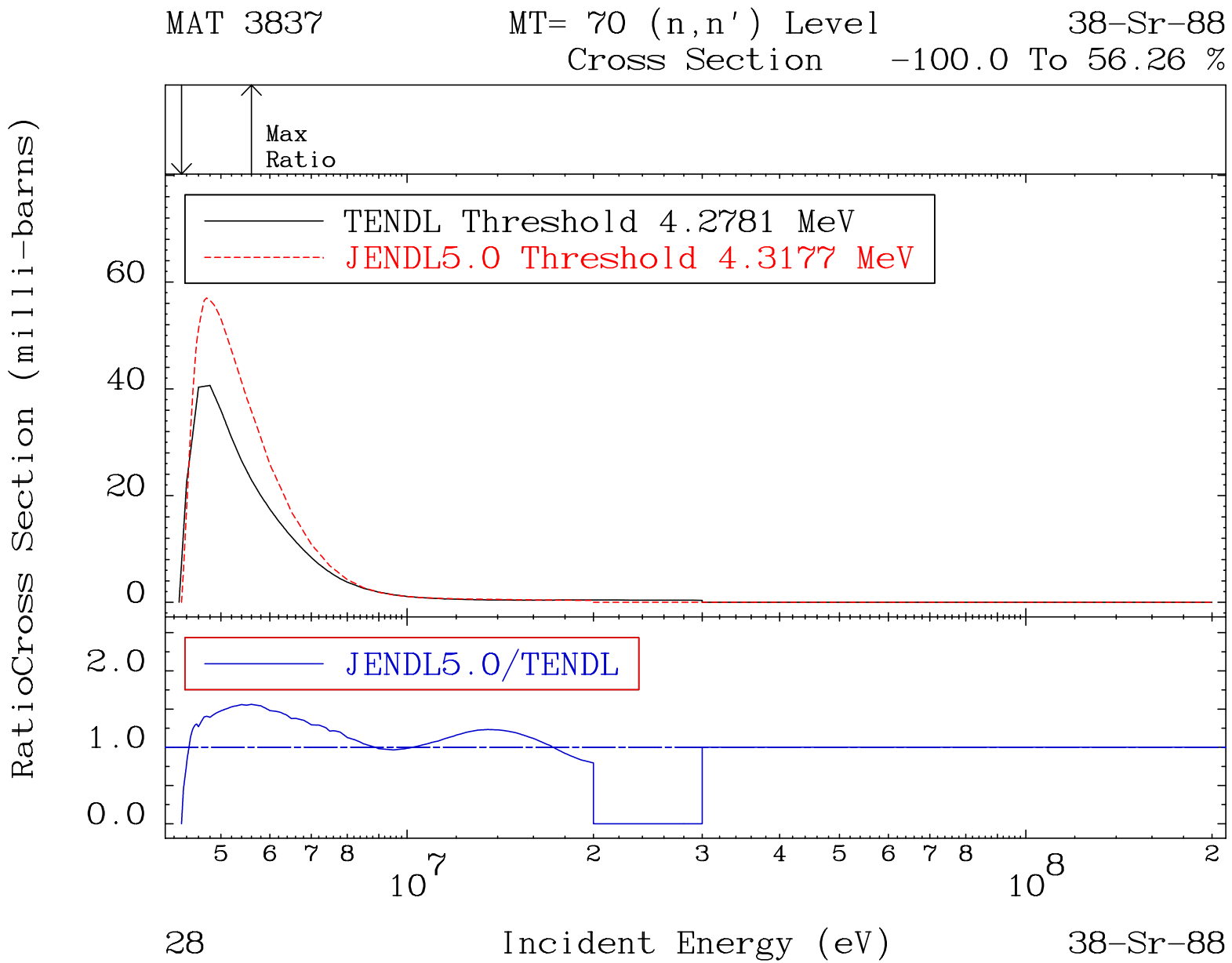

MAT 3837
MT= 65 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.0854 MeV
JENDL5.0 Threshold 4.2183 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
4
2
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
23
38-Sr-88

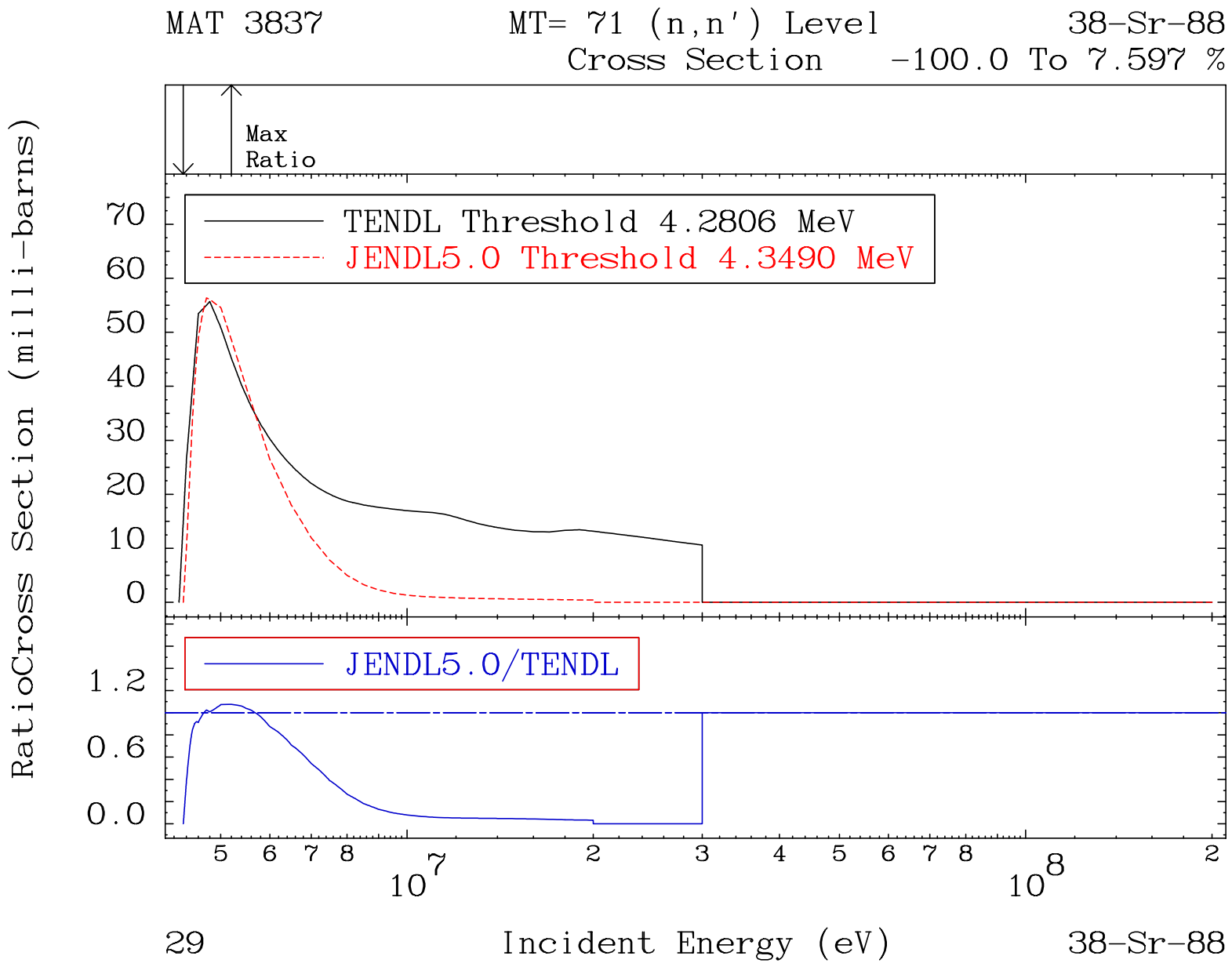

MAT 3837
MT= 66 (n,n') Level
38-Sr-88
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 4.2183 MeV
JENDL5.0 Threshold 4.2189 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
38-Sr-88

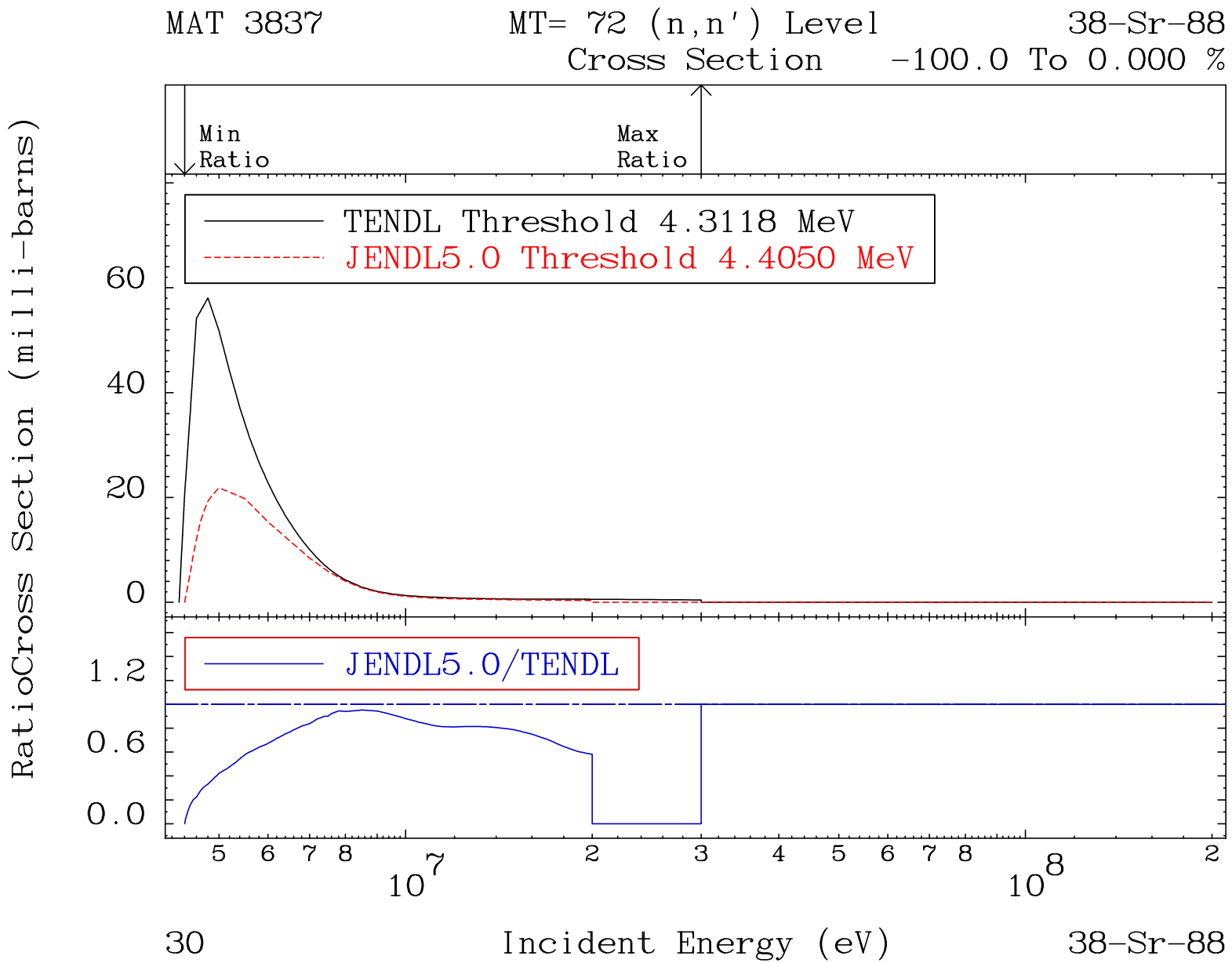

MAT 3837
MT= 67 (n,n') Level
38-Sr-88
Cross Section -100.0 To 667.6 %
Max
Ratio
TENDL Threshold 4.2457 MeV
JENDL5.0 Threshold 4.2726 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
8
4
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
38-Sr-88

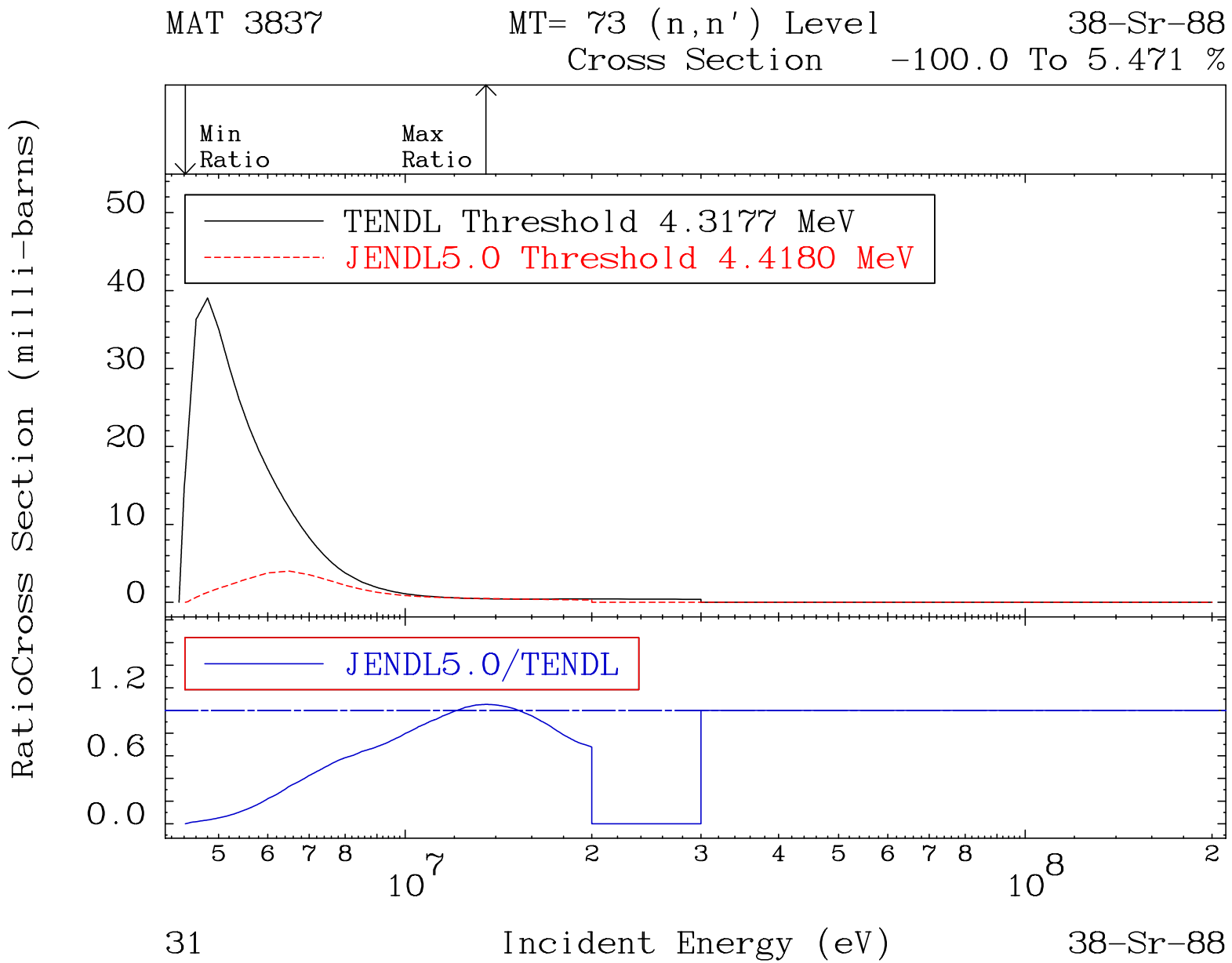

MAT 3837
MT= 68 (n,n') Level
38-Sr-88
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 4.2726 MeV
JENDL5.0 Threshold 4.2751 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
38-Sr-88

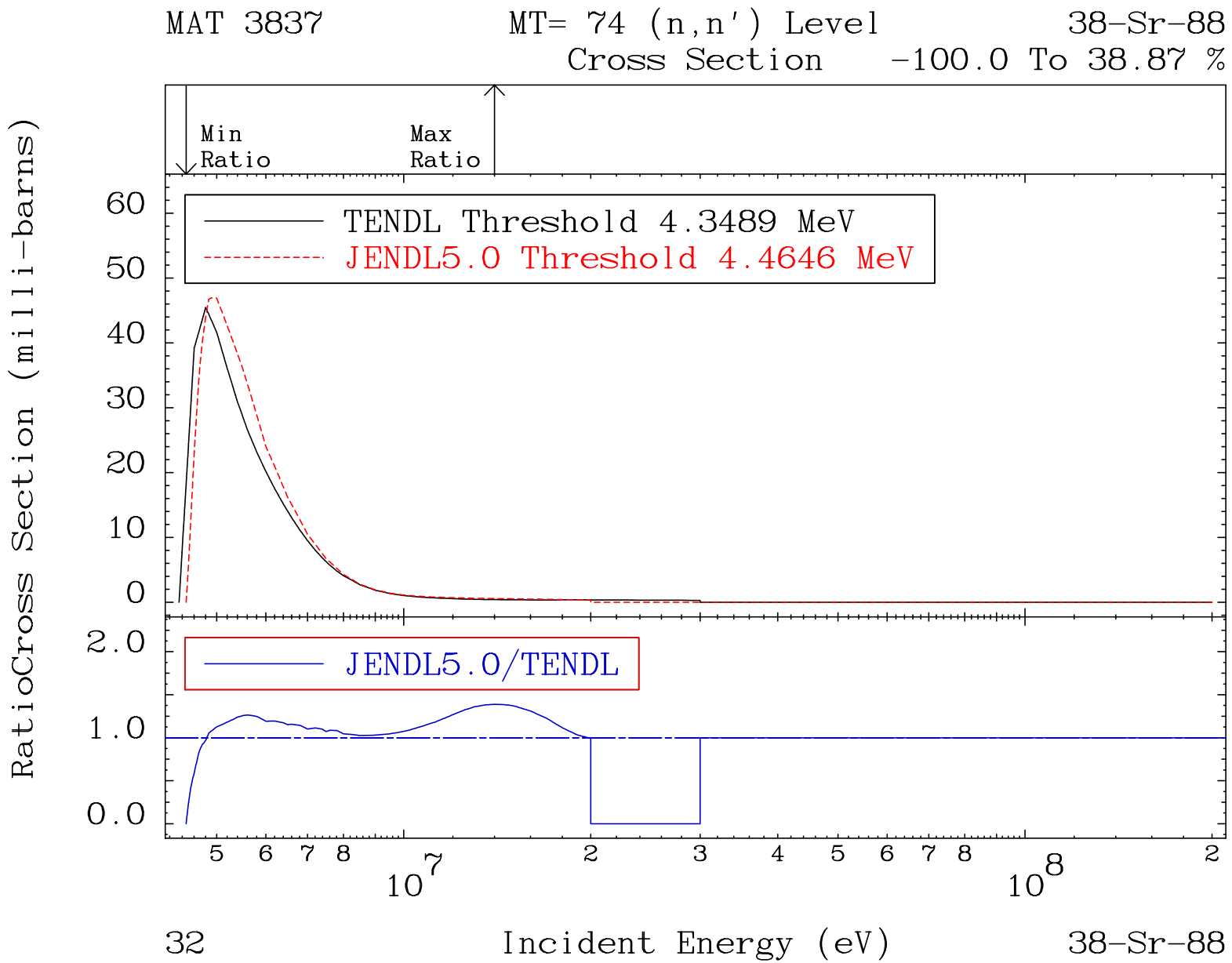

MAT 3837
MT= 69 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.2755 MeV
JENDL5.0 Threshold 4.2755 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
38-Sr-88

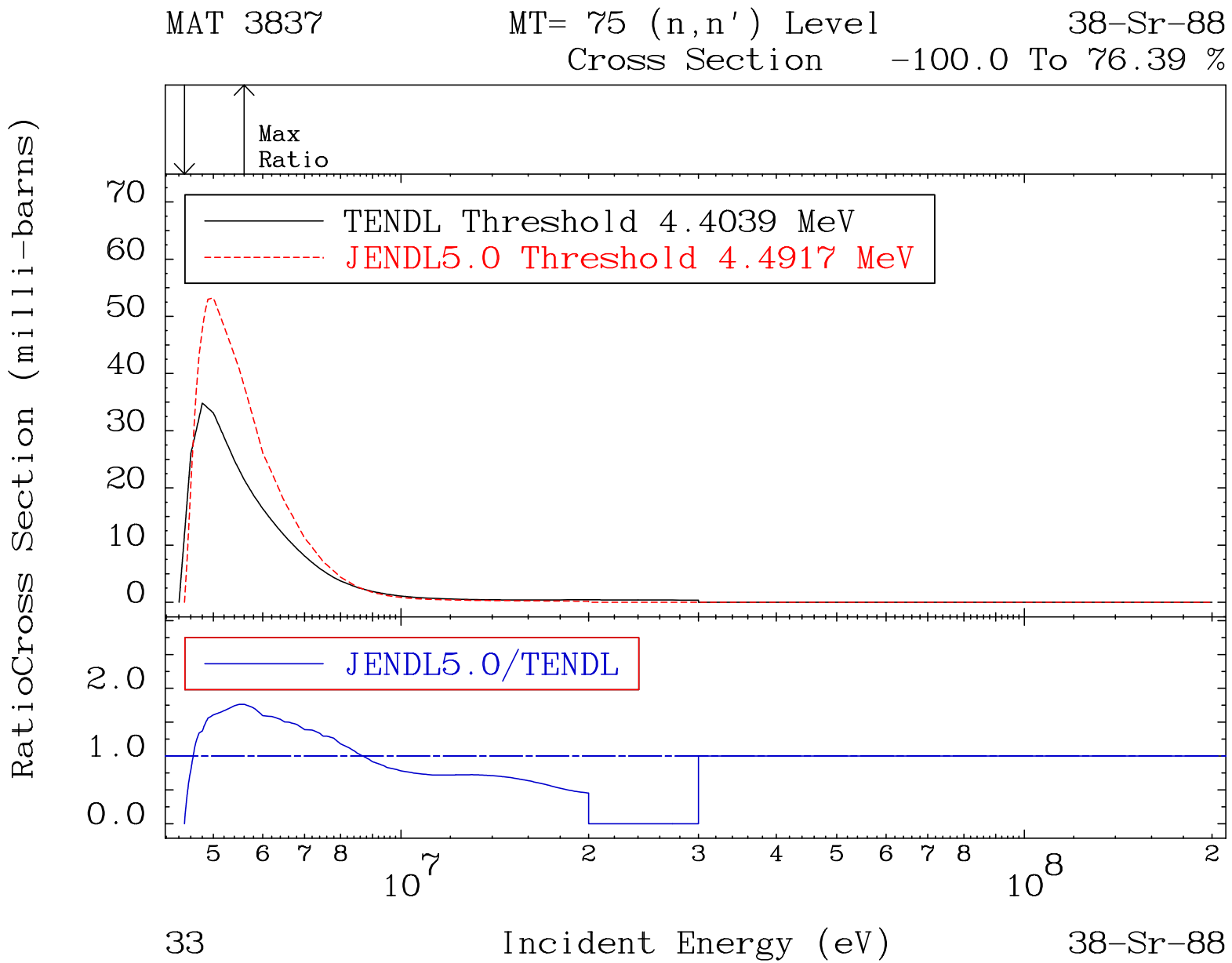

MAT 3837
MT= 70 (n,n') Level
38-Sr-88
Cross Section -100.0 To 56.26 %
Max
Ratio
TENDL Threshold 4.2781 MeV
JENDL5.0 Threshold 4.3177 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
2.0
1.0
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
38-Sr-88

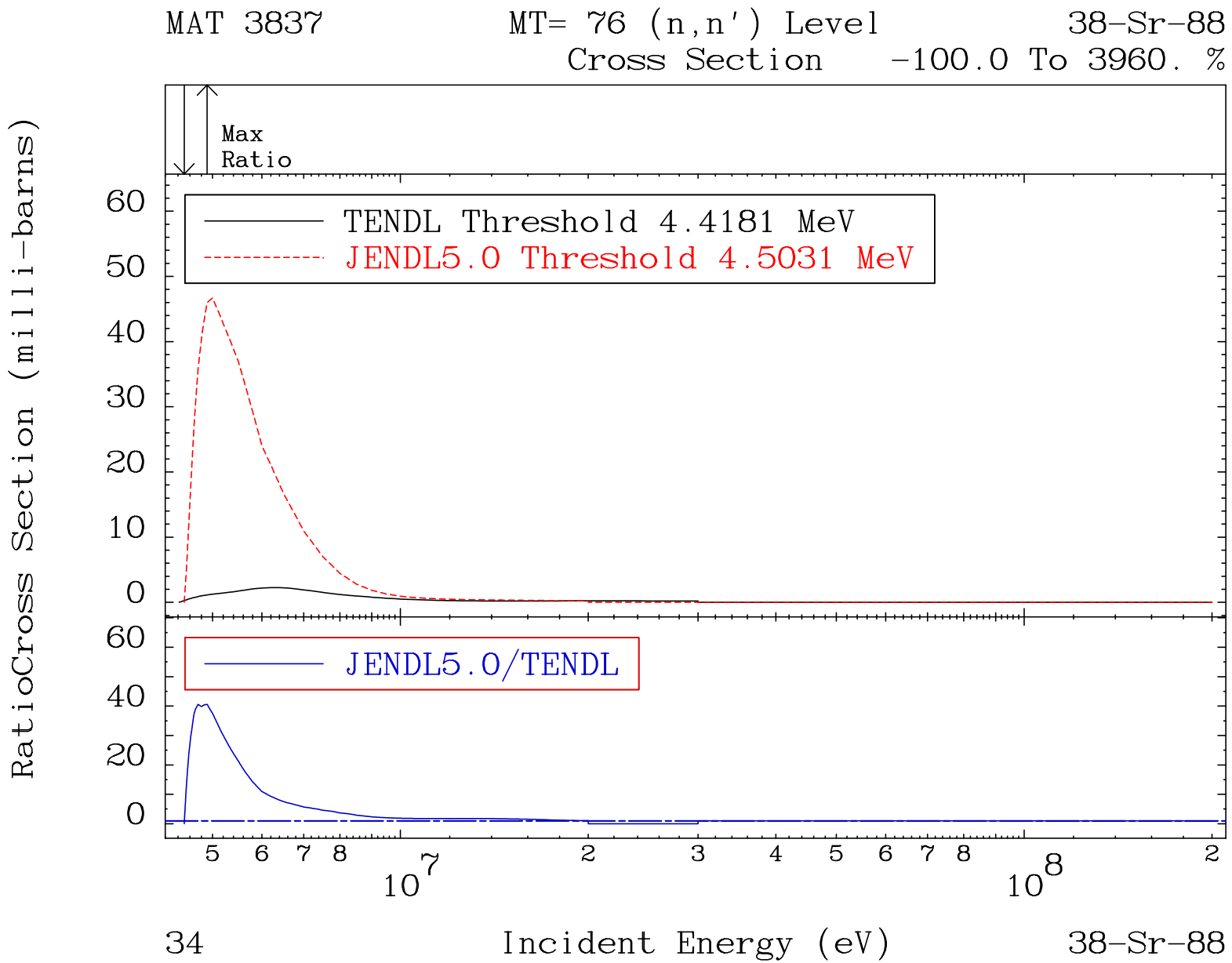

MAT 3837
MT= 71 (n,n') Level
38-Sr-88
Cross Section -100.0 To 7.597 %
Max
Ratio
TENDL Threshold 4.2806 MeV
JENDL5.0 Threshold 4.3490 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
29
Incident Energy (eV)
38-Sr-88

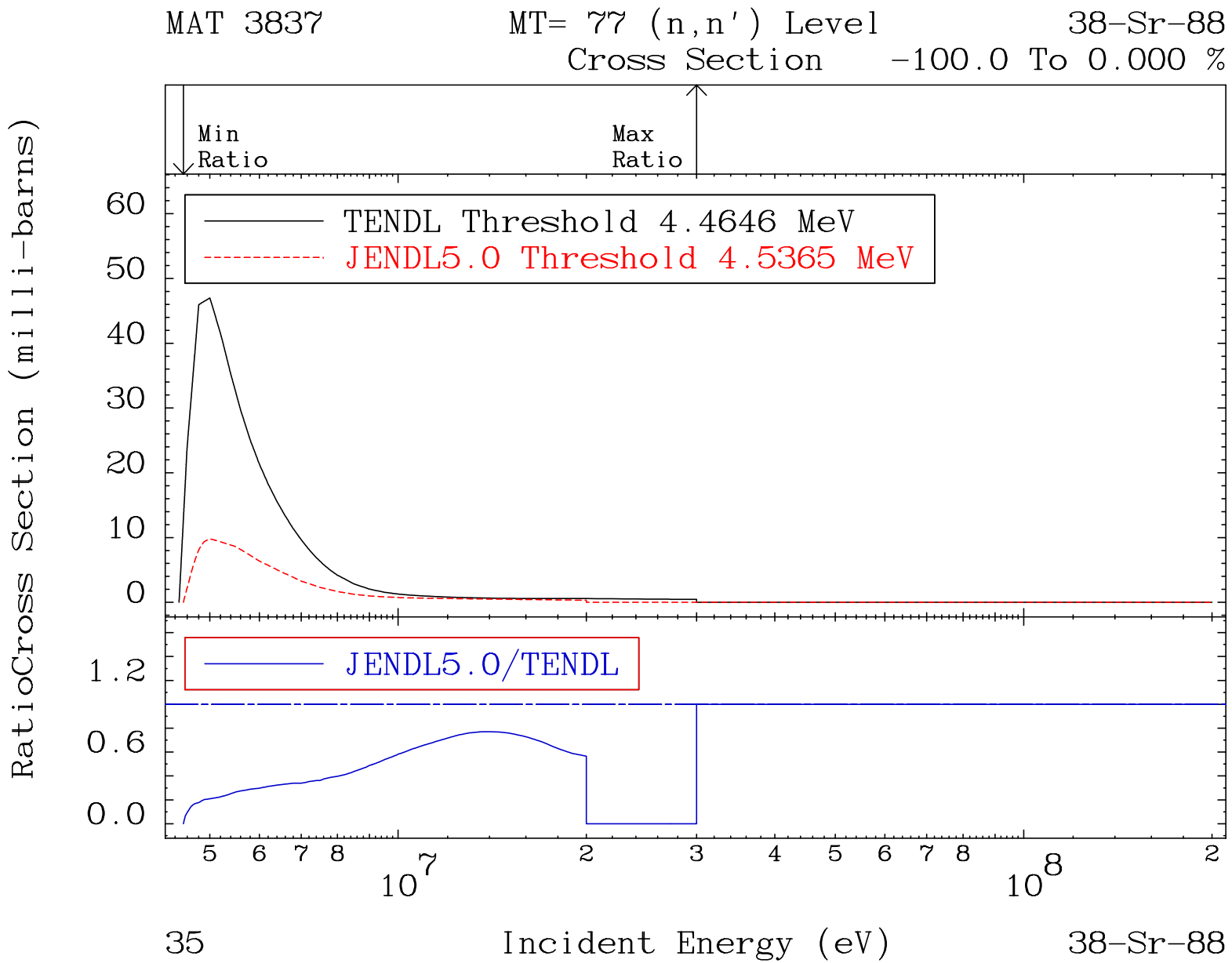

MAT 3837
MT= 72 (n,n') Level
38-Sr-88
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 4.3118 MeV
JENDL5.0 Threshold 4.4050 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
40
20
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
38-Sr-88

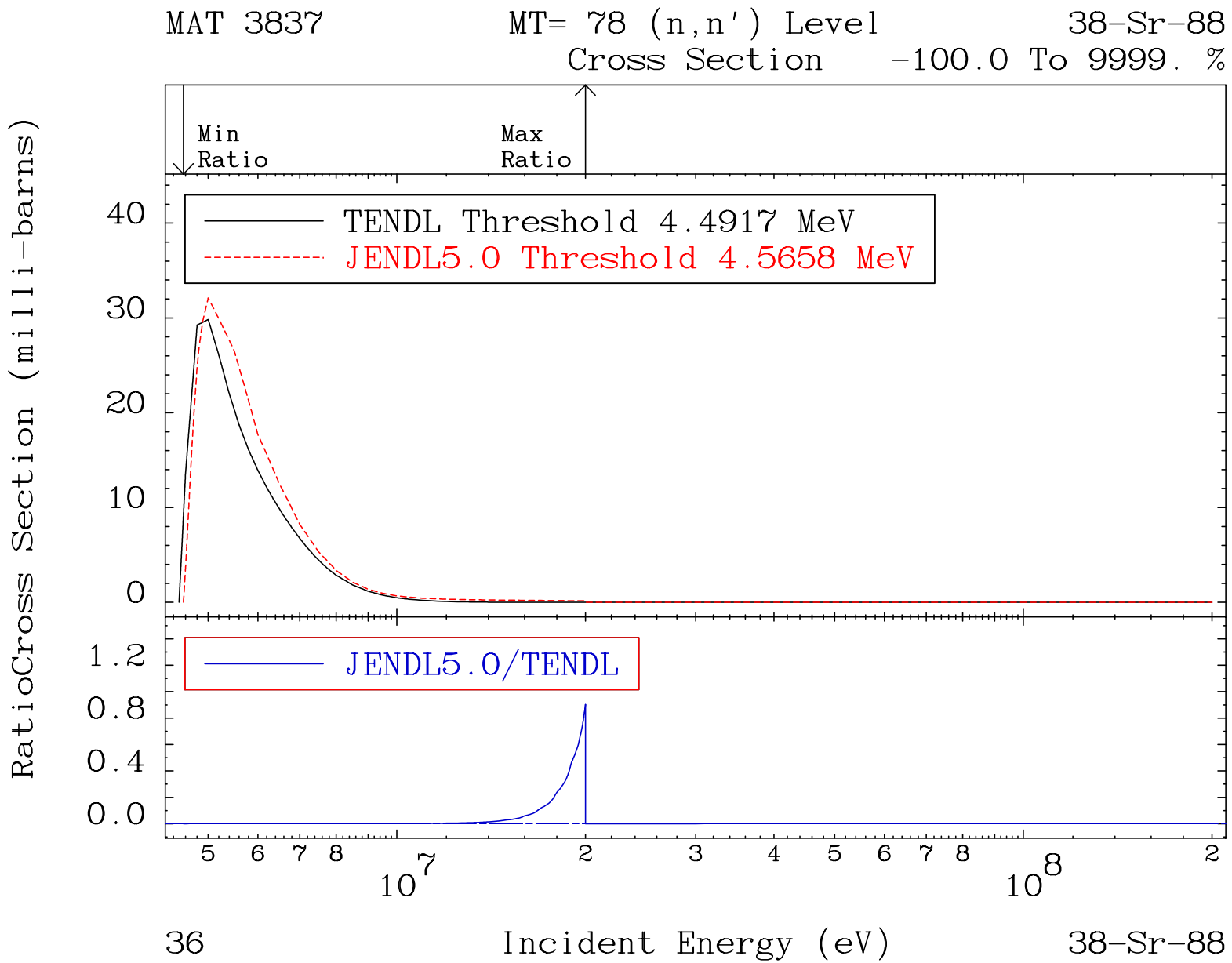

MAT 3837
MT= 73 (n,n') Level
38-Sr-88
Cross Section -100.0 To 5.471 %
Min Ratio
Max Ratio
TENDL Threshold 4.3177 MeV
JENDL5.0 Threshold 4.4180 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
31
Incident Energy (eV)
38-Sr-88

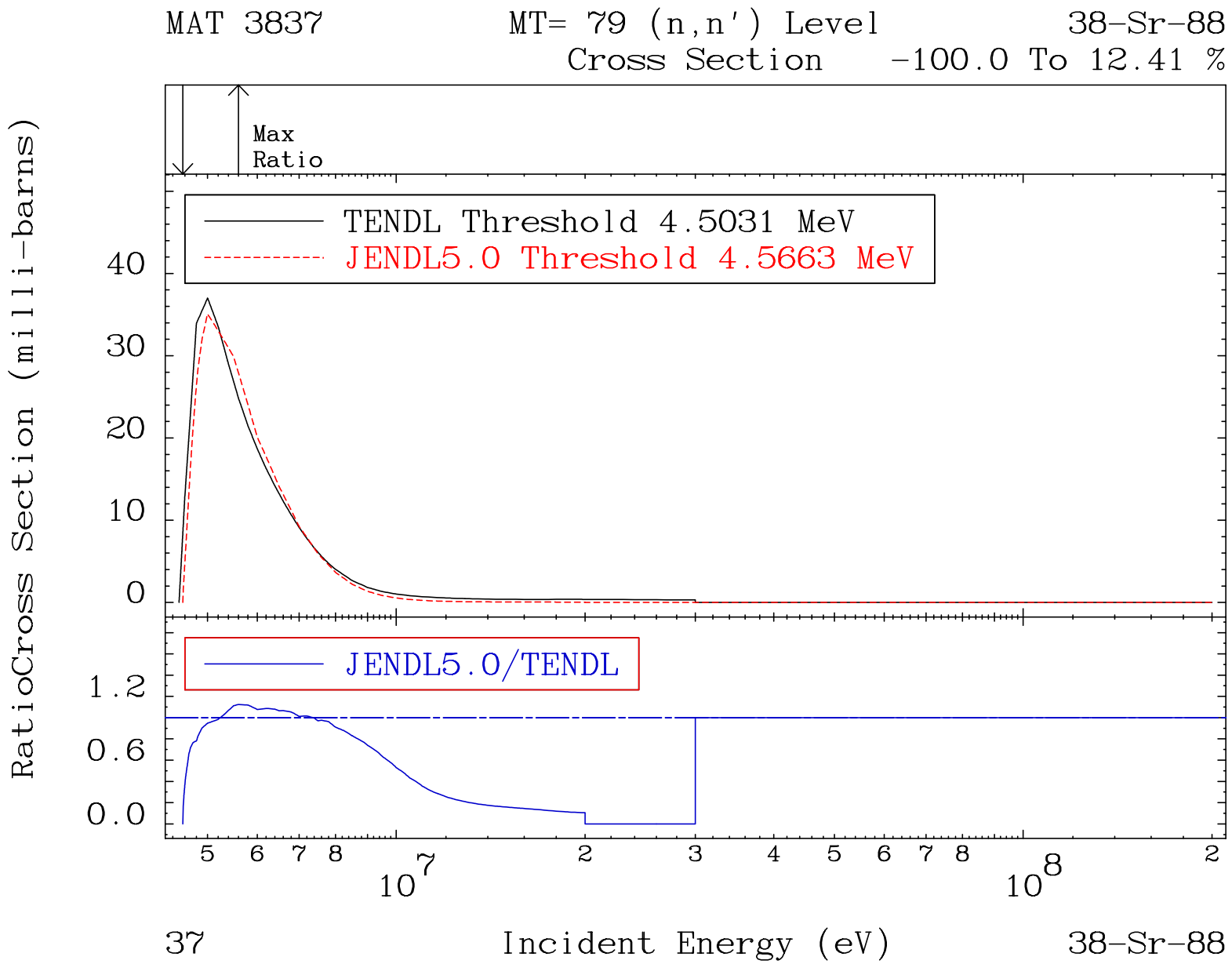

MAT 3837
MT= 74 (n,n') Level
38-Sr-88
Cross Section -100.0 To 38.87 %
Min Ratio
Max Ratio
TENDL Threshold 4.3489 MeV
JENDL5.0 Threshold 4.4646 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
2.0
1.0
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
38-Sr-88

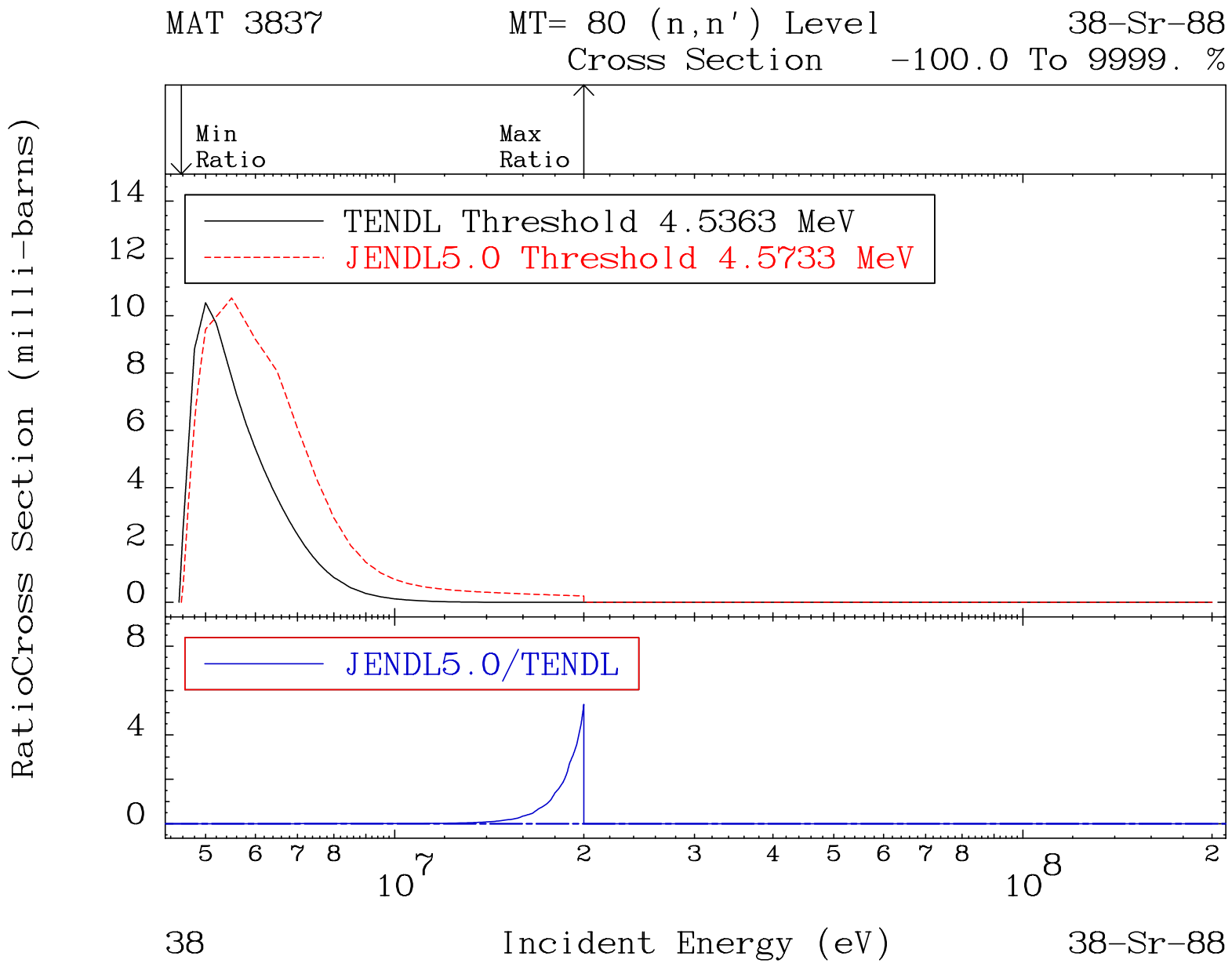

MAT 3837
MT= 75 (n,n') Level
38-Sr-88
Cross Section
-100.0 To 76.39 %
Max
Ratio
TENDL Threshold 4.4039 MeV
JENDL5.0 Threshold 4.4917 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
2.0
1.0
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
33
Incident Energy (eV)
38-Sr-88

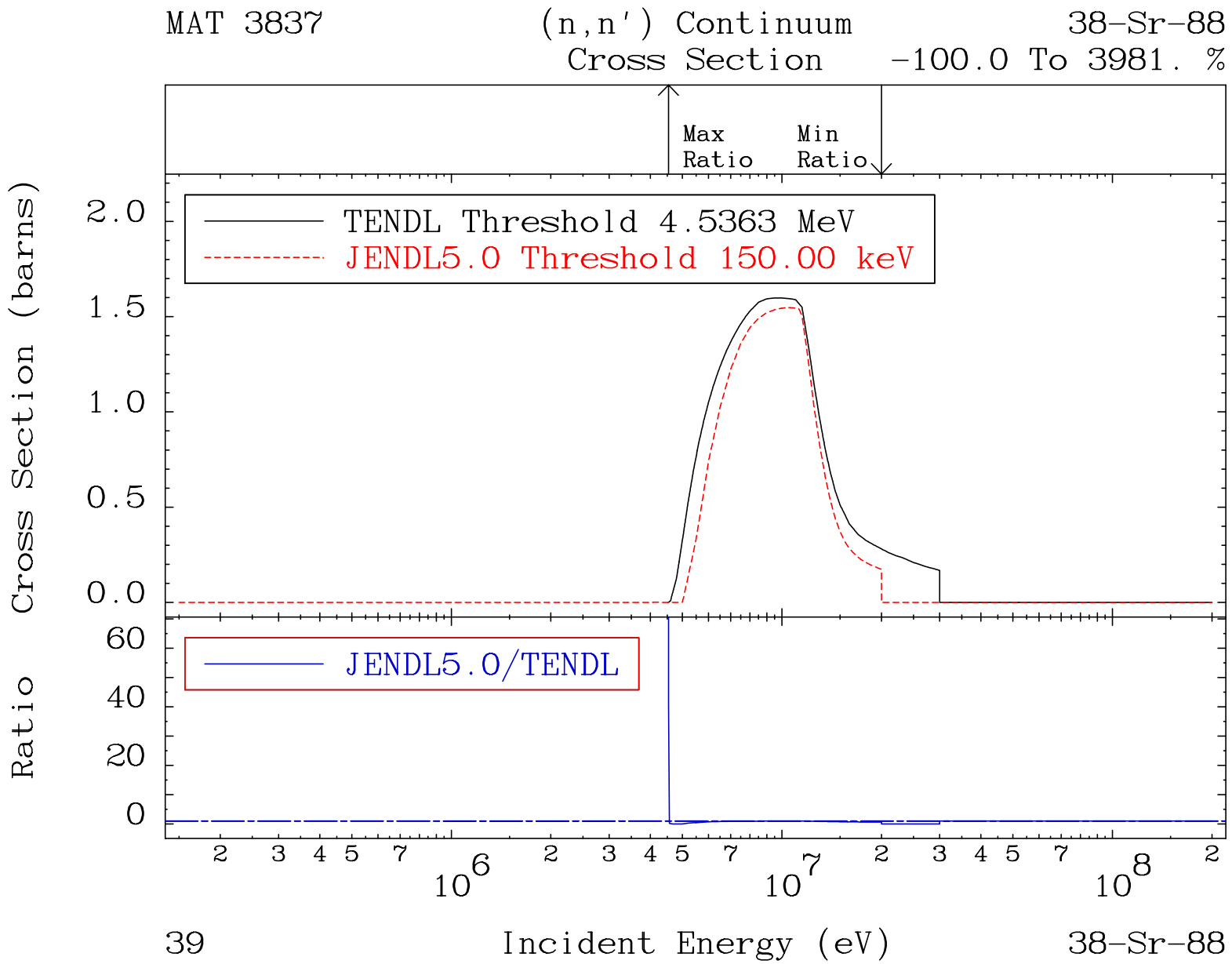

MAT 3837
MT= 76 (n,n') Level
38-Sr-88
Cross Section -100.0 To 3960. %
Max
Ratio
TENDL Threshold 4.4181 MeV
JENDL5.0 Threshold 4.5031 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
38-Sr-88

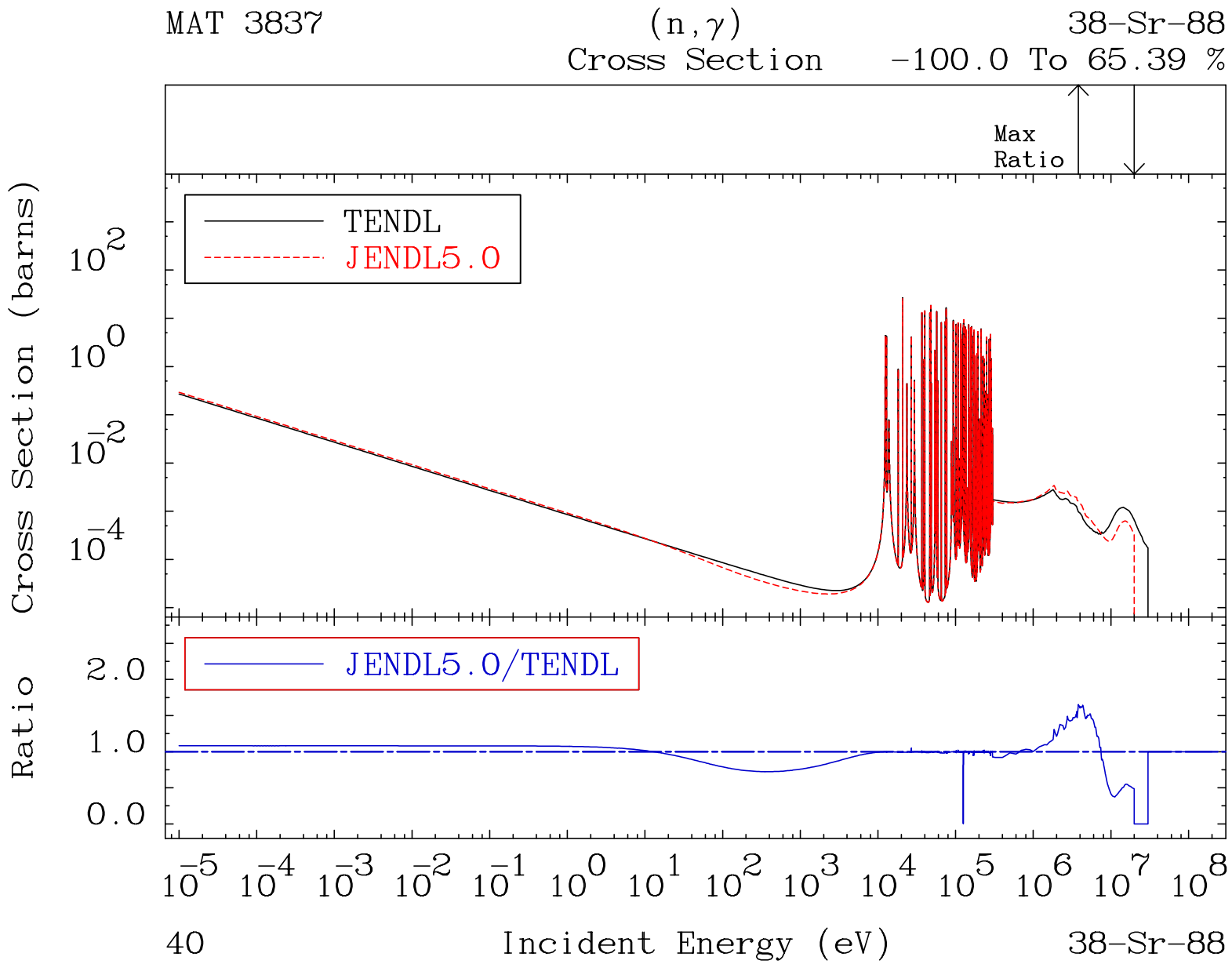

MAT 3837
MT= 77 (n,n') Level
38-Sr-88
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 4.4646 MeV
JENDL5.0 Threshold 4.5365 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
35
Incident Energy (eV)
38-Sr-88

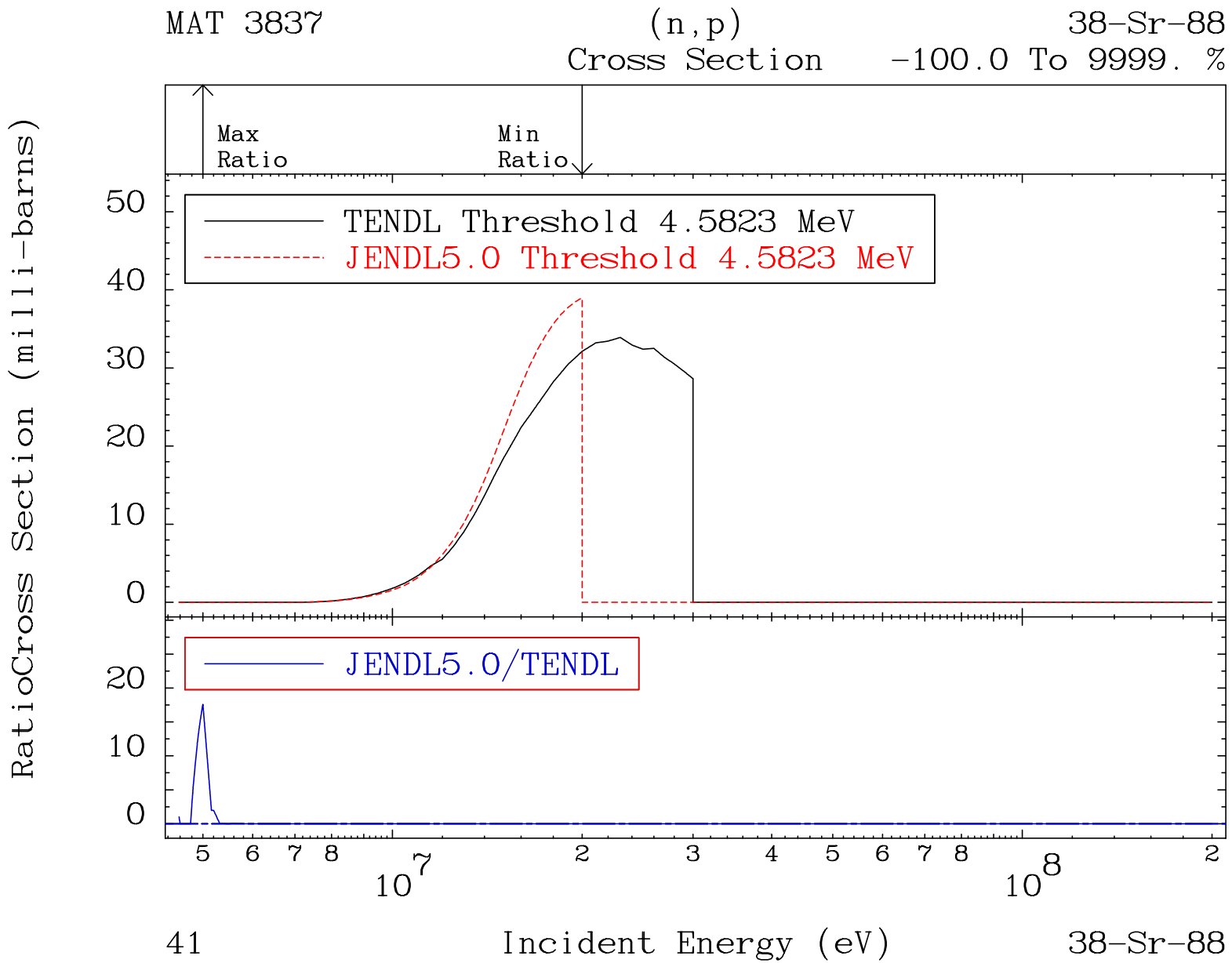

MAT 3837
MT= 78 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.4917 MeV
JENDL5.0 Threshold 4.5658 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.8
0.4
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
38-Sr-88

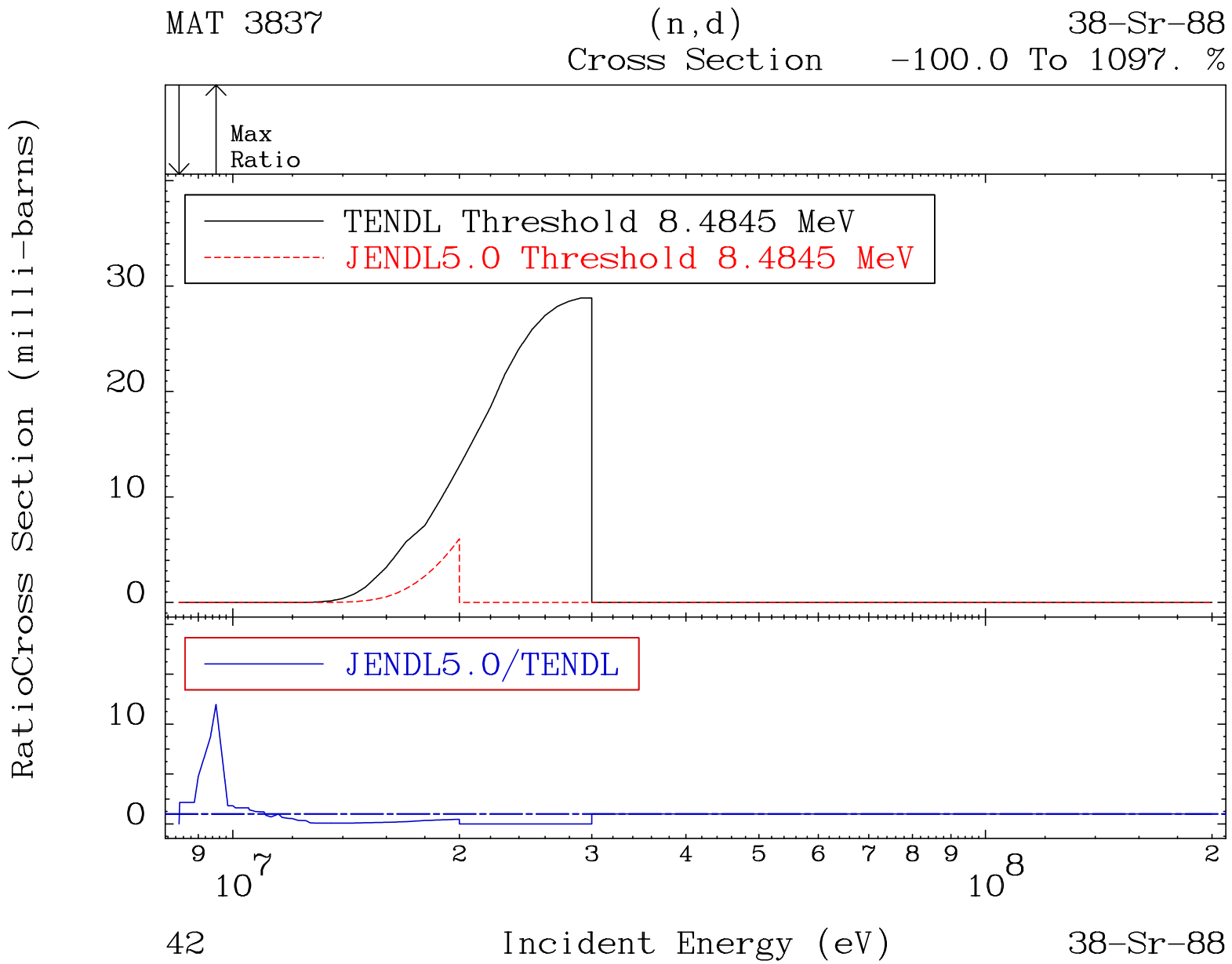

MAT 3837
MT= 79 (n,n') Level
38-Sr-88
Cross Section -100.0 To 12.41 %
Max
Ratio
TENDL Threshold 4.5031 MeV
JENDL5.0 Threshold 4.5663 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
38-Sr-88

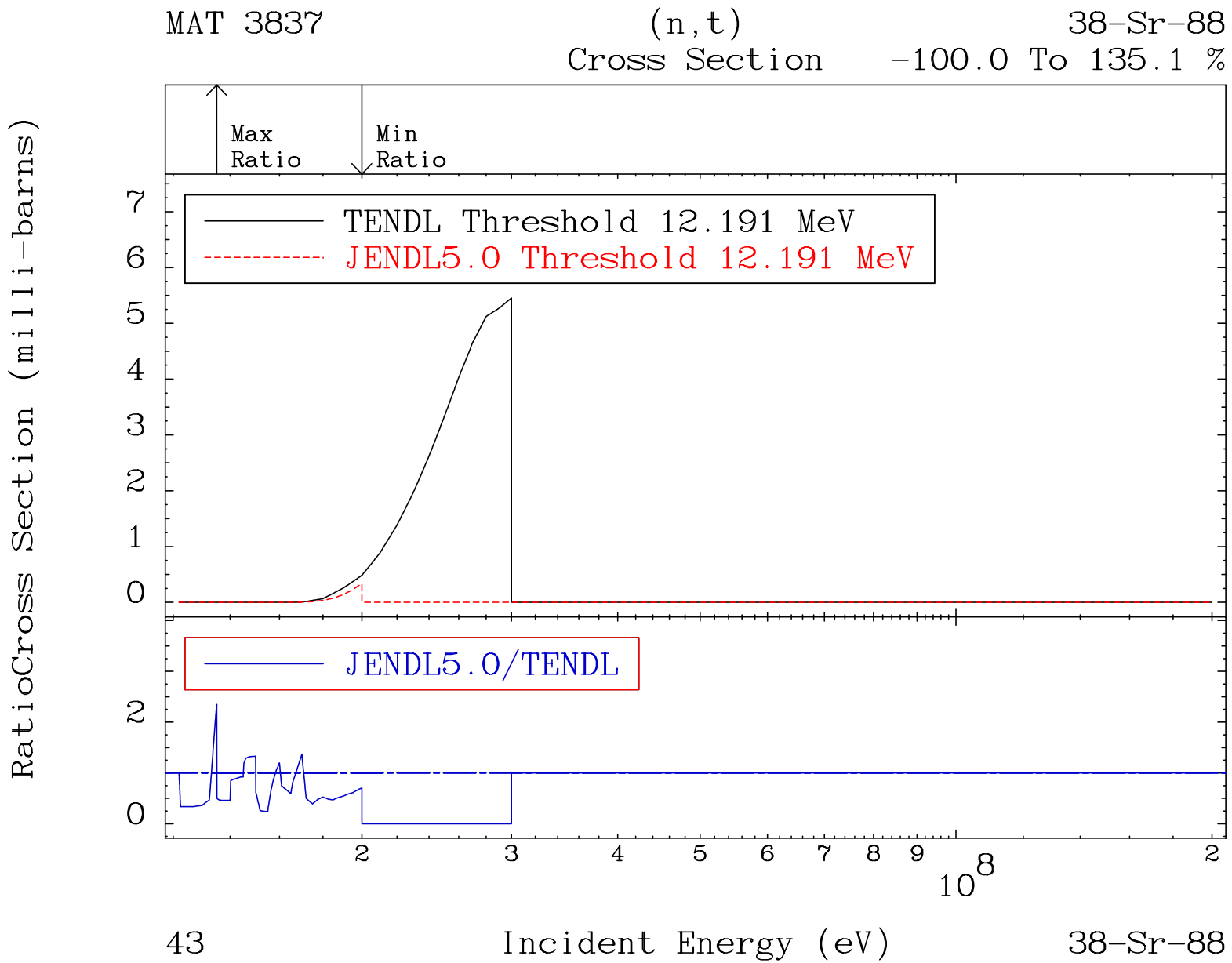

MAT 3837
MT= 80 (n,n') Level
38-Sr-88
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.5363 MeV
JENDL5.0 Threshold 4.5733 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
38
38-Sr-88

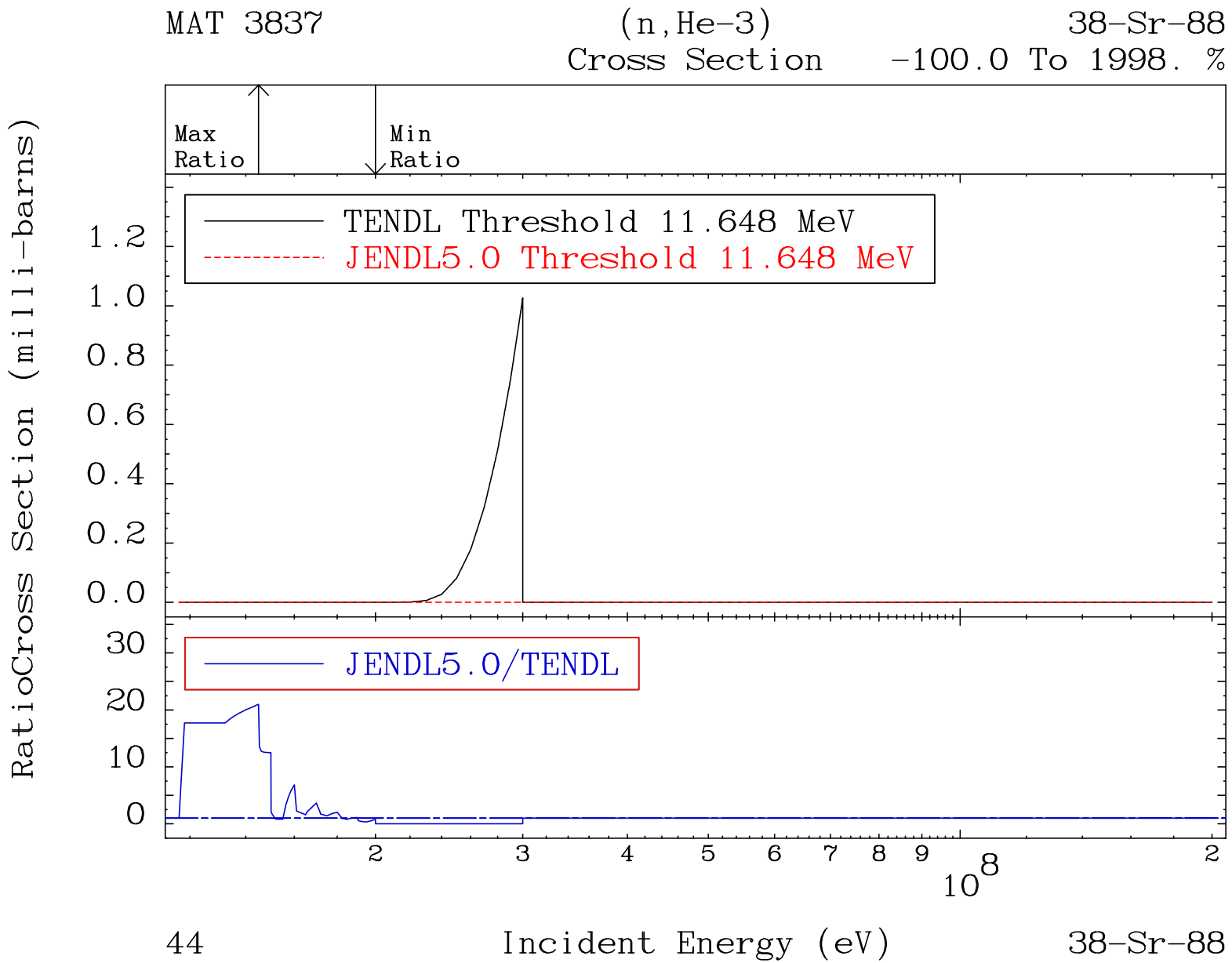

MAT 3837
(n,n') Continuum
Cross Section
38-Sr-88
-100.0 To 3981. %
Max Ratio
Min Ratio
TENDL Threshold 4.5363 MeV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
60
40
20
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
39
Incident Energy (eV)
38-Sr-88

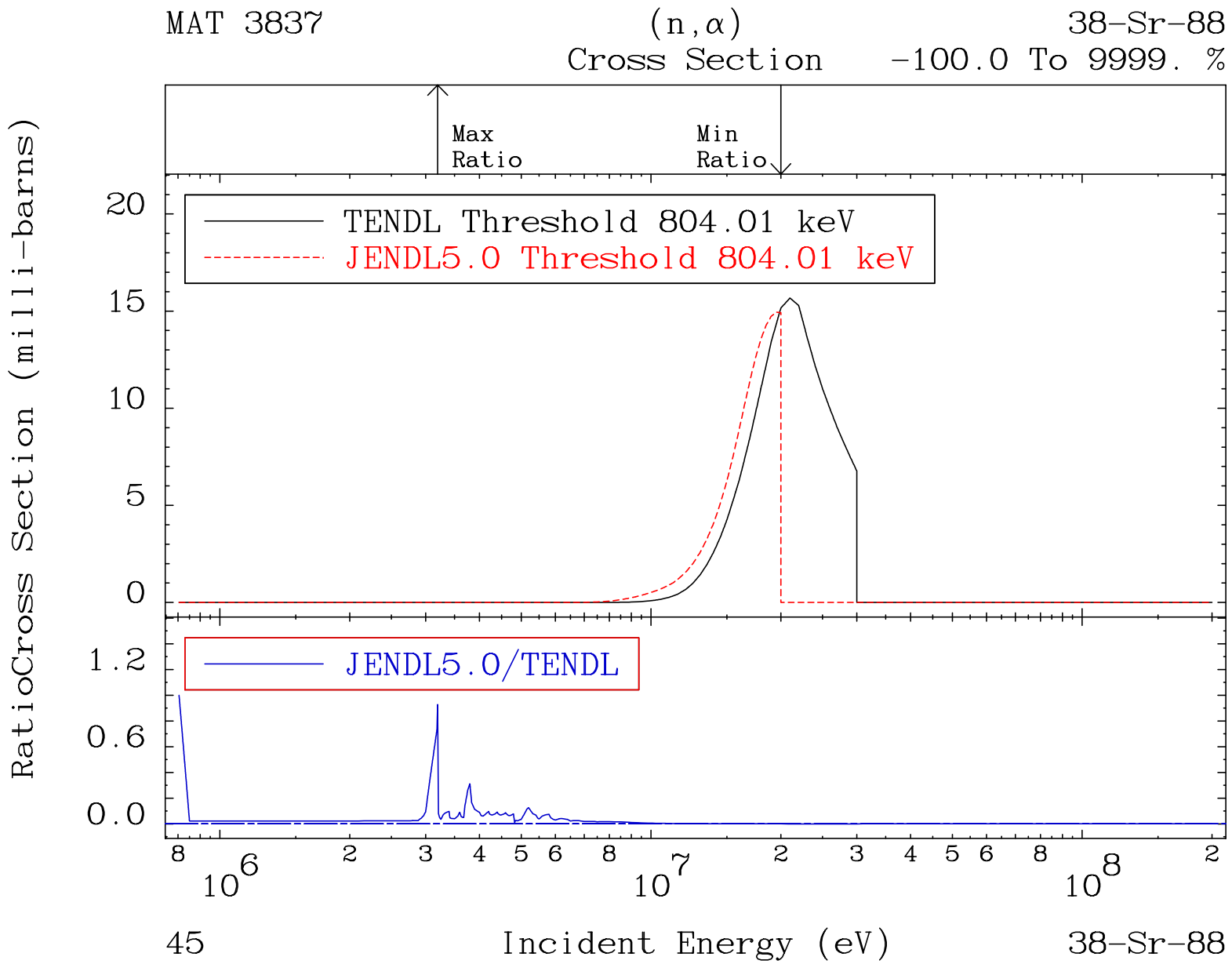

MAT 3837
(n,γ)
Cross Section
38-Sr-88
-100.0 To 65.39 %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^2
10^0
10^-2
10^-4
JENDL5.0/TENDL
Ratio
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
40
Incident Energy (eV)
38-Sr-88

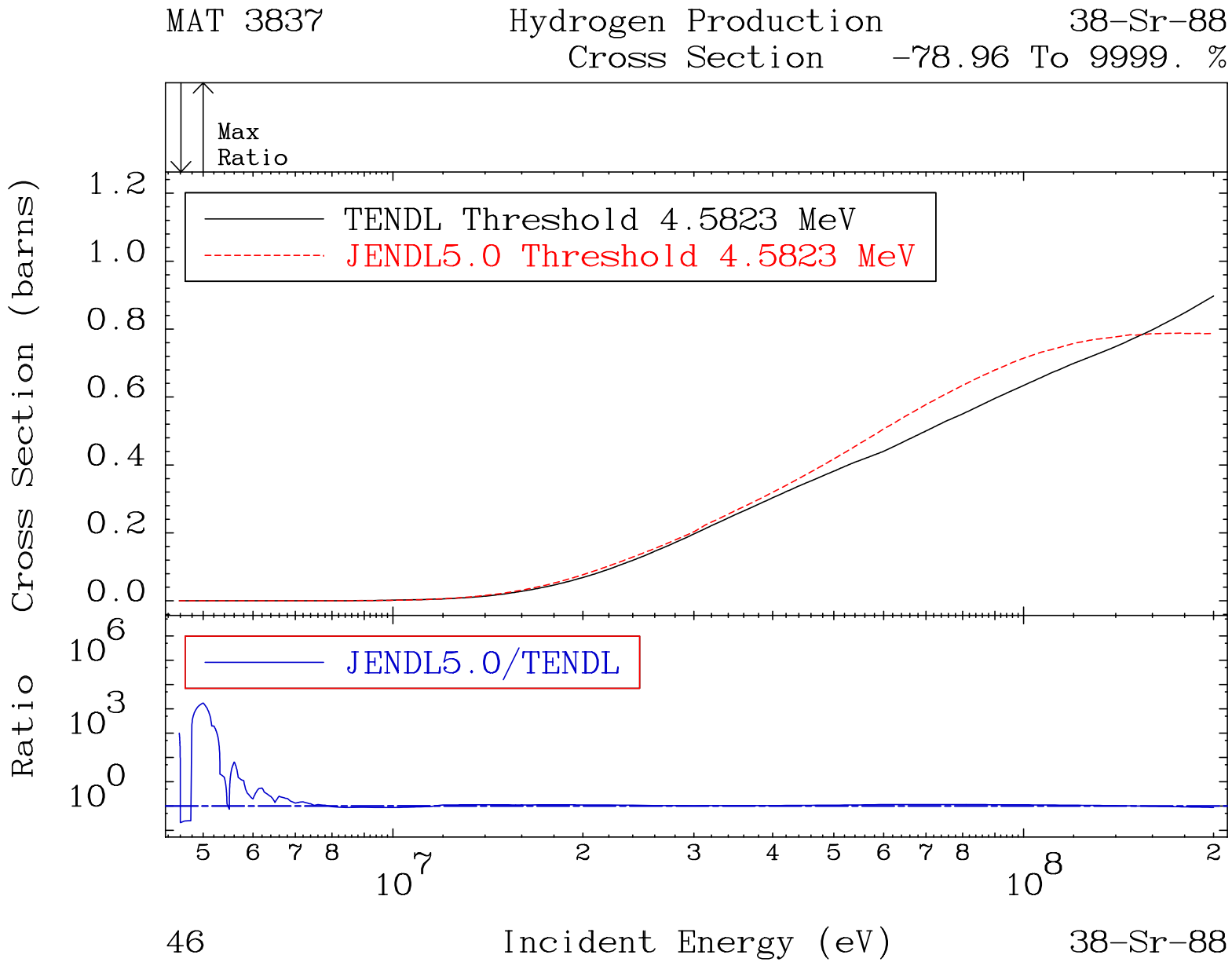

MAT 3837
(n,p)
38-Sr-88
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 4.5823 MeV
JENDL5.0 Threshold 4.5823 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
20
10
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
41
Incident Energy (eV)
38-Sr-88

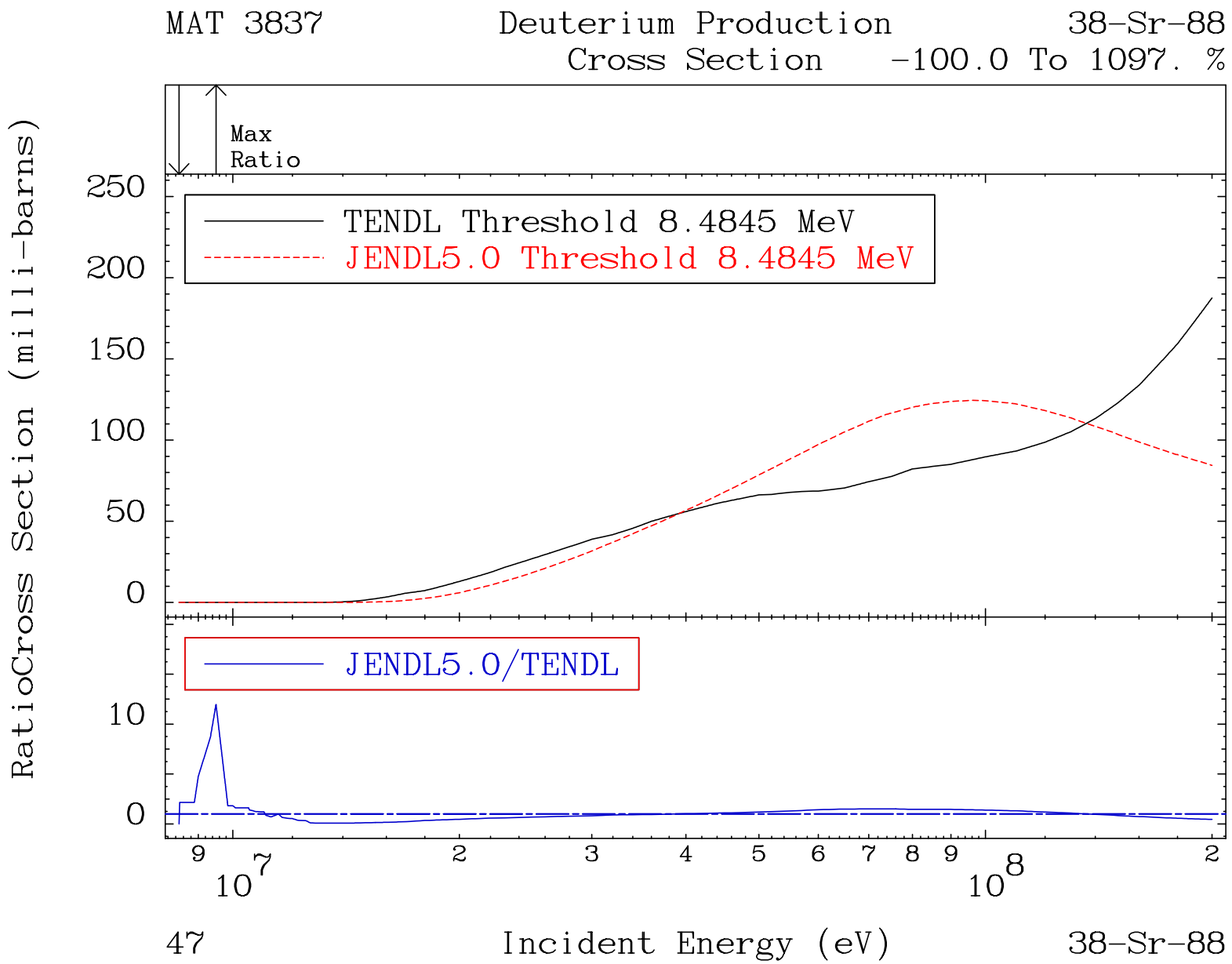

MAT 3837
(n,d)
38-Sr-88
Cross Section
-100.0 To 1097. %
Max
Ratio
TENDL Threshold 8.4845 MeV
JENDL5.0 Threshold 8.4845 MeV
30
20
10
0
JENDL5.0/TENDL
10
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
42
Incident Energy (eV)
38-Sr-88

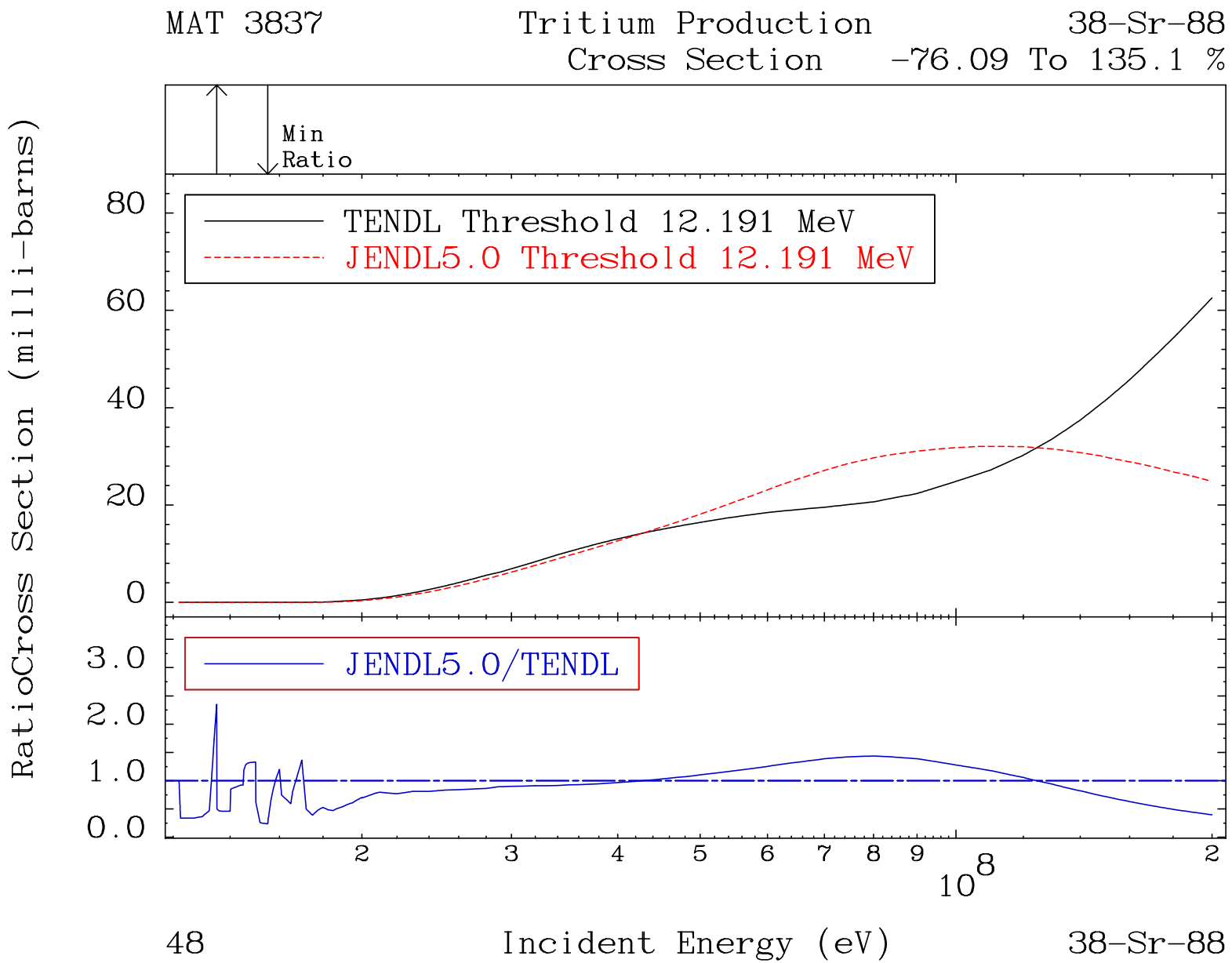

MAT 3837
(n,t)
38-Sr-88
Cross Section
-100.0 To 135.1 %
Max Ratio
Min Ratio
TENDL Threshold 12.191 MeV
JENDL5.0 Threshold 12.191 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
6
7
0
2
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
38-Sr-88

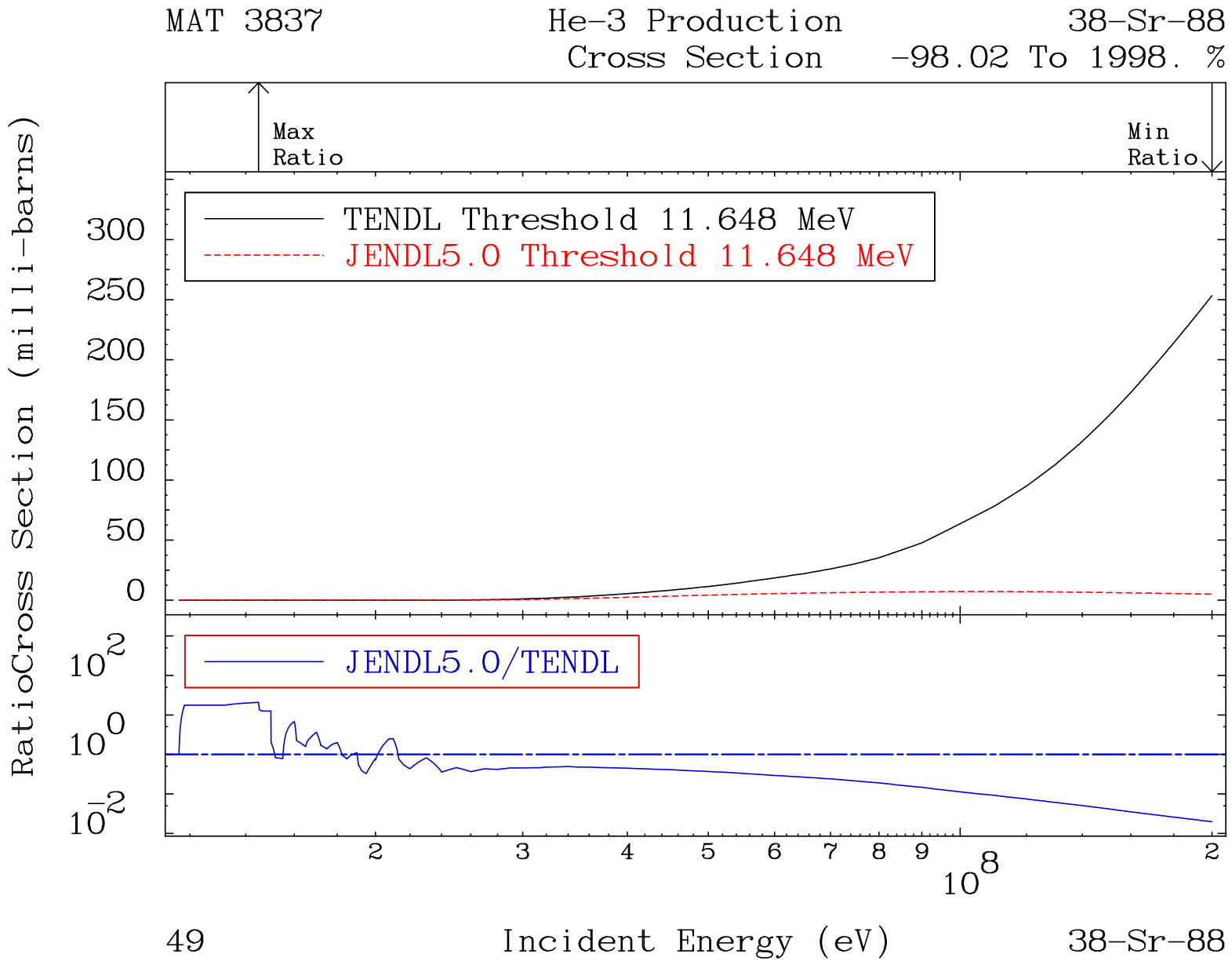

MAT 3837
(n,He-3)
38-Sr-88
Cross Section
-100.0 To 1998. %
Max Ratio
Min Ratio
TENDL Threshold 11.648 MeV
JENDL5.0 Threshold 11.648 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
30
20
10
0
2
3
4
5
6
7
8
9
2
10^8
44
Incident Energy (eV)
38-Sr-88

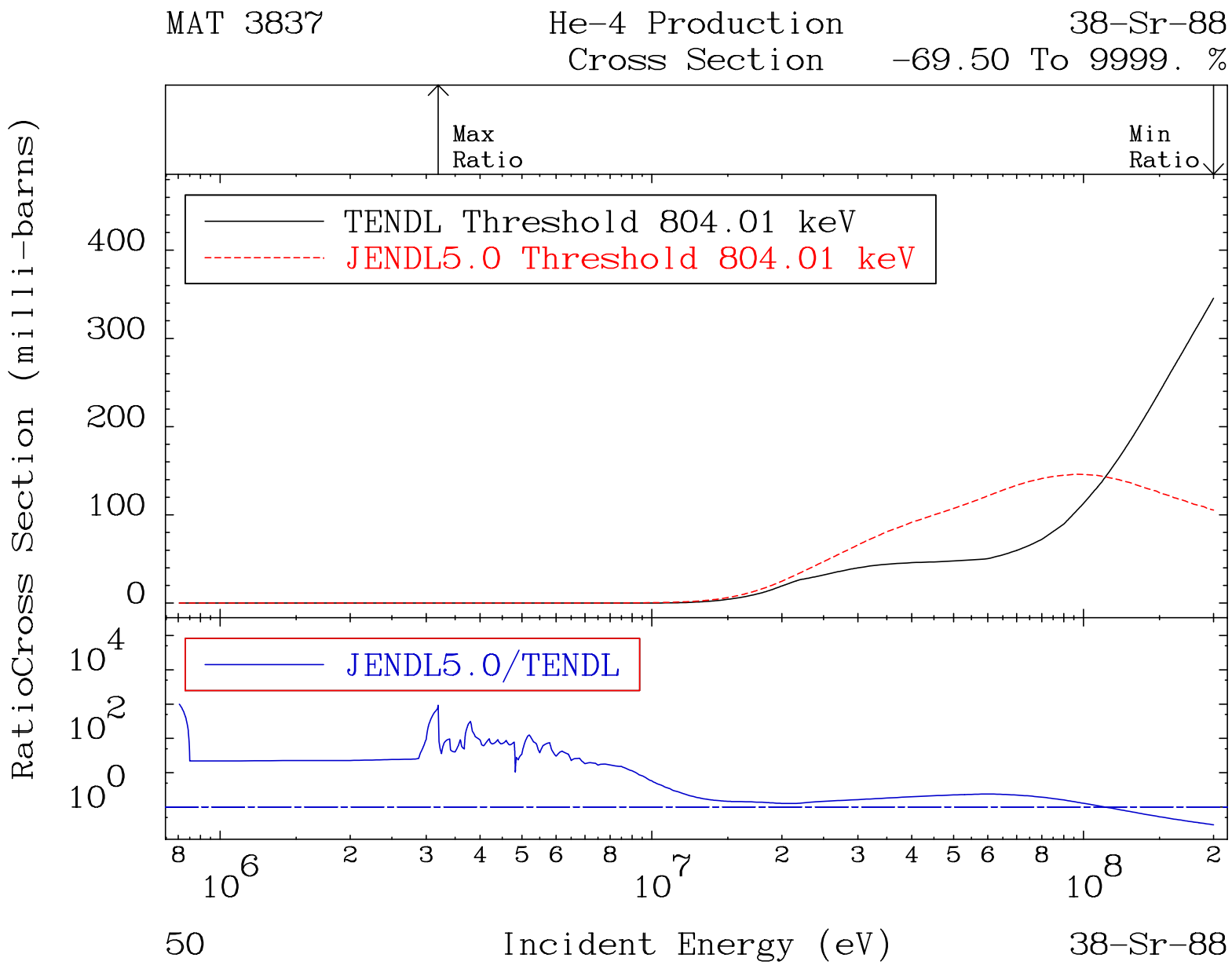

MAT 3837
(n,α)
38-Sr-88
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 804.01 keV
JENDL5.0 Threshold 804.01 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.2
0.6
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
45
Incident Energy (eV)
38-Sr-88

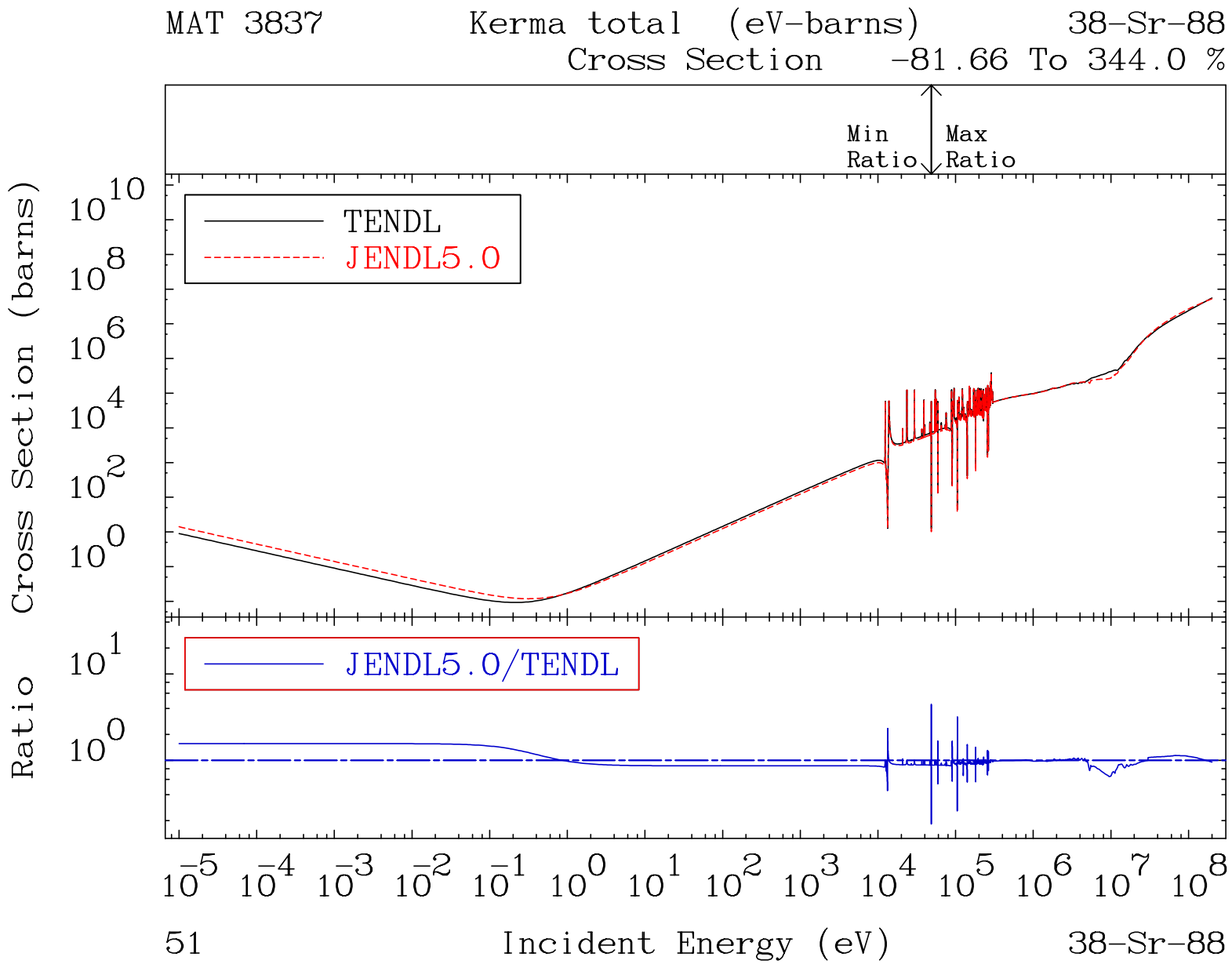

MAT 3837
Hydrogen Production
38-Sr-88
Cross Section
-78.96 To 9999. %
Max
Ratio
TENDL Threshold 4.5823 MeV
JENDL5.0 Threshold 4.5823 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
10^6
10^3
10^0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
46
Incident Energy (eV)
38-Sr-88

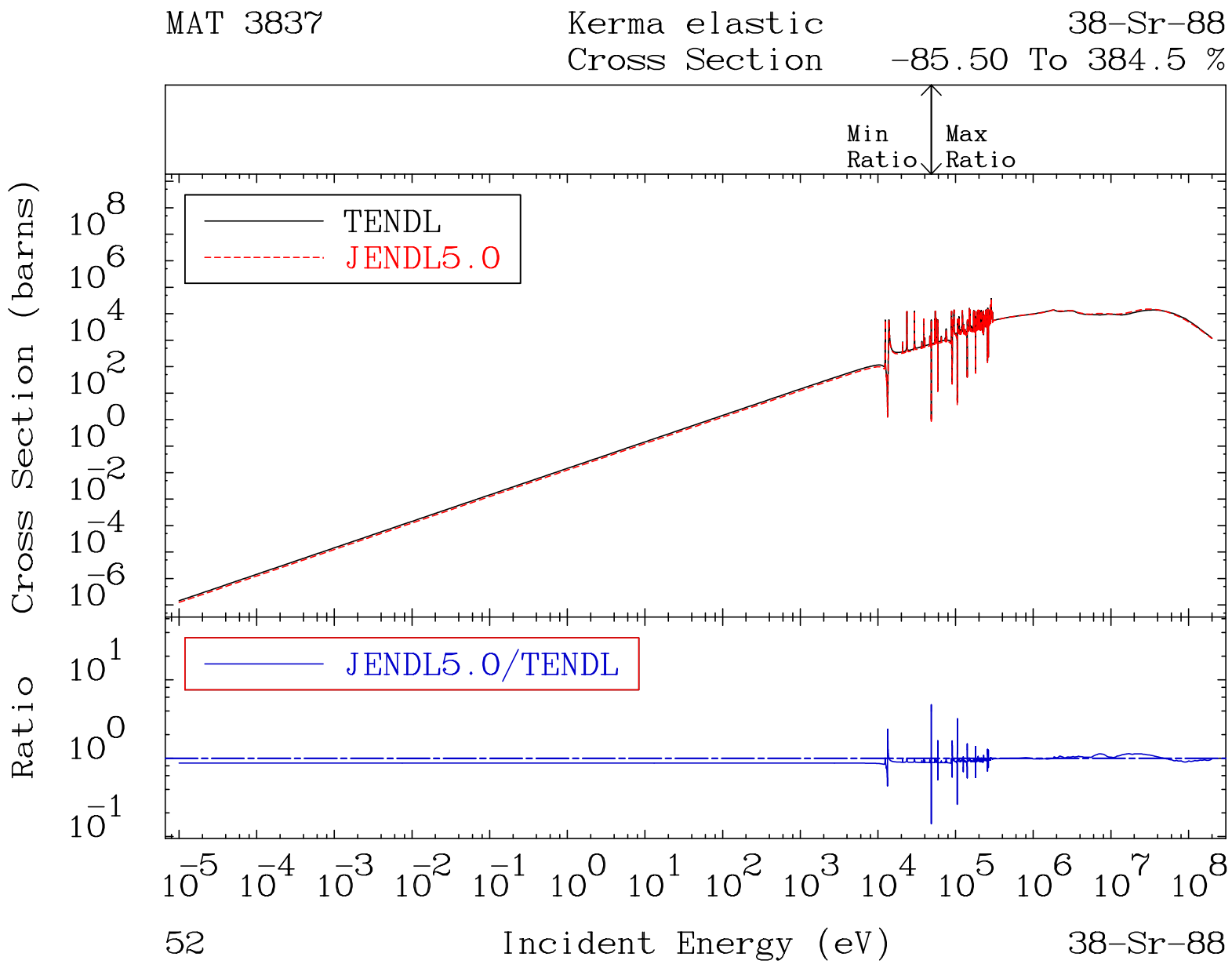

MAT 3837
Deuterium Production
38-Sr-88
Cross Section -100.0 To 1097. %
Max
Ratio
250
200
150
100
50
0
TENDL Threshold 8.4845 MeV
JENDL5.0 Threshold 8.4845 MeV
JENDL5.0/TENDL
10
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
47
Incident Energy (eV)
38-Sr-88

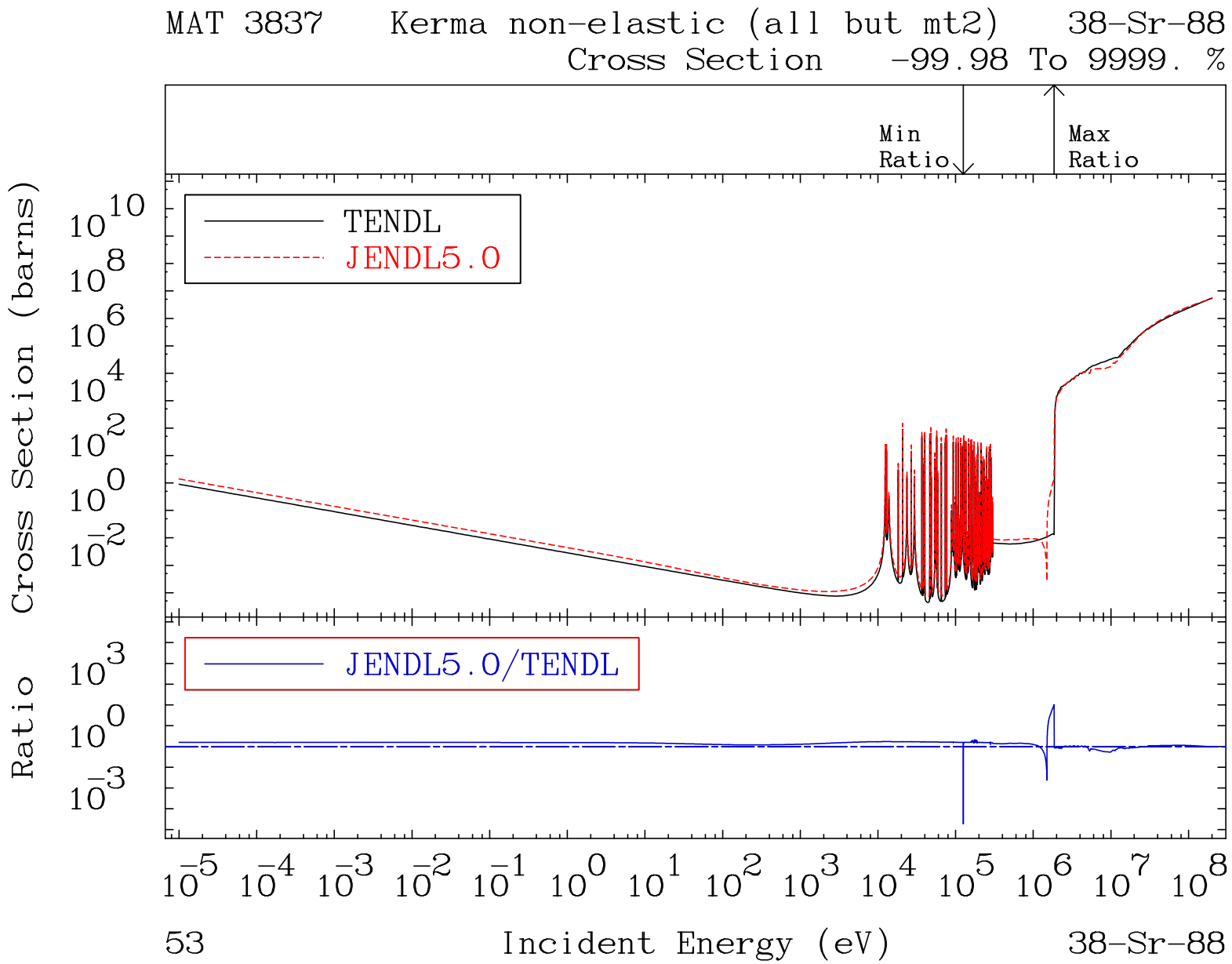

MAT 3837
Tritium Production
38-Sr-88
Cross Section
-76.09 To 135.1 %
Min
Ratio
TENDL Threshold 12.191 MeV
JENDL5.0 Threshold 12.191 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
38-Sr-88

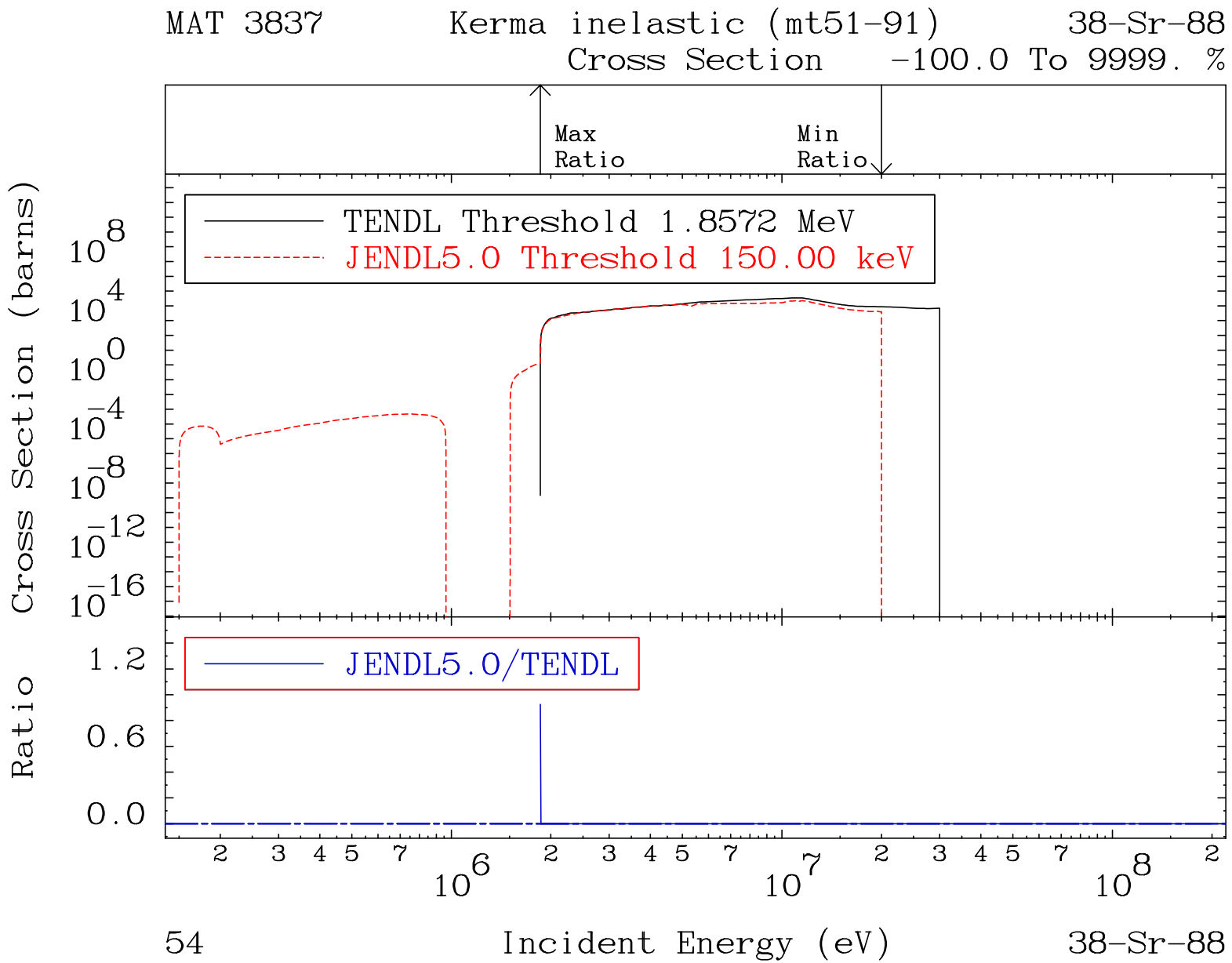

MAT 3837
He-3 Production
Cross Section
38-Sr-88
-98.02 To 1998. %
Max Ratio
Min Ratio
TENDL Threshold 11.648 MeV
JENDL5.0 Threshold 11.648 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
10^2
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
38-Sr-88

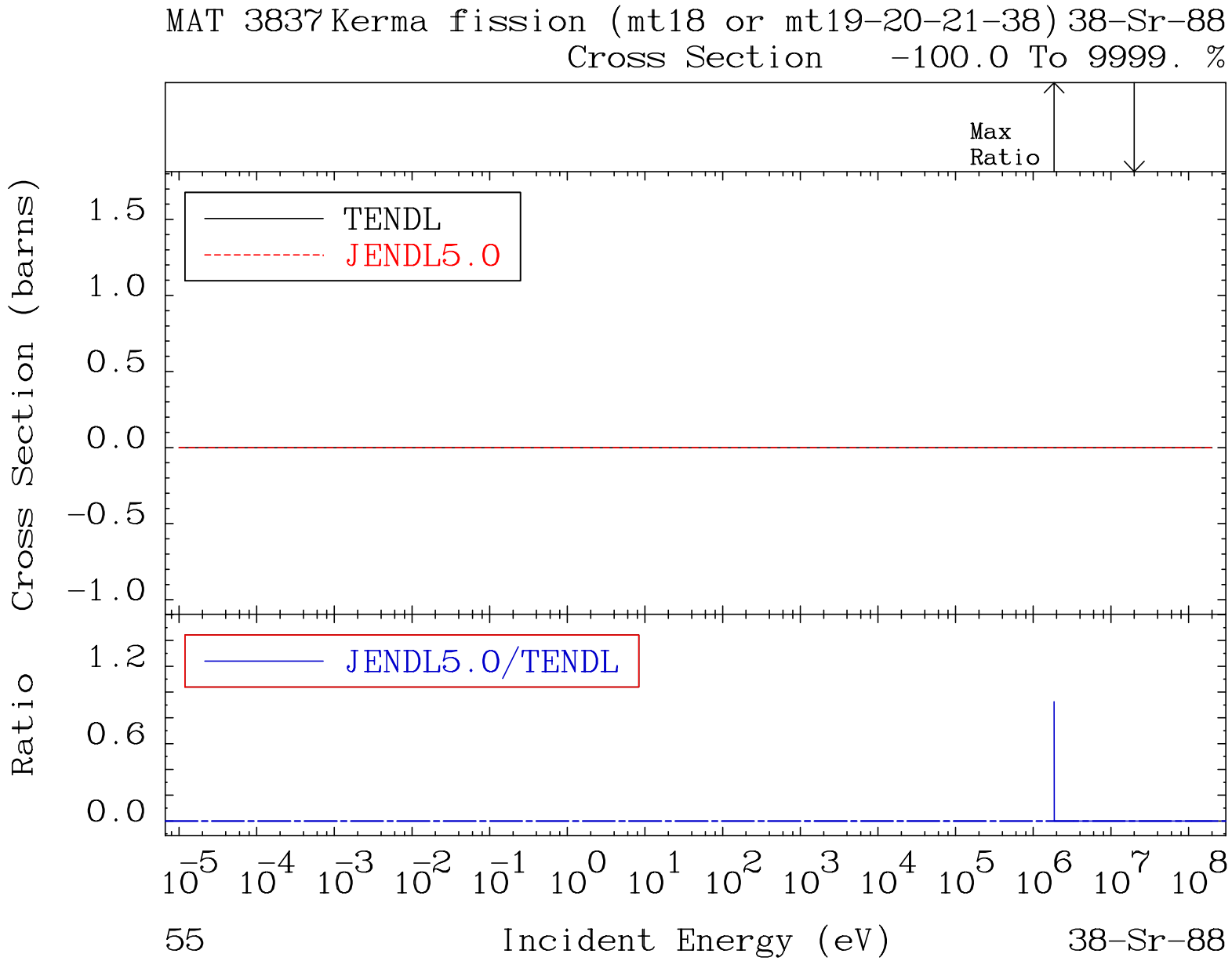

MAT 3837
He-4 Production
Cross Section
38-Sr-88
-69.50 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 804.01 keV
JENDL5.0 Threshold 804.01 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
10^4
10^2
10^0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
50
Incident Energy (eV)
38-Sr-88

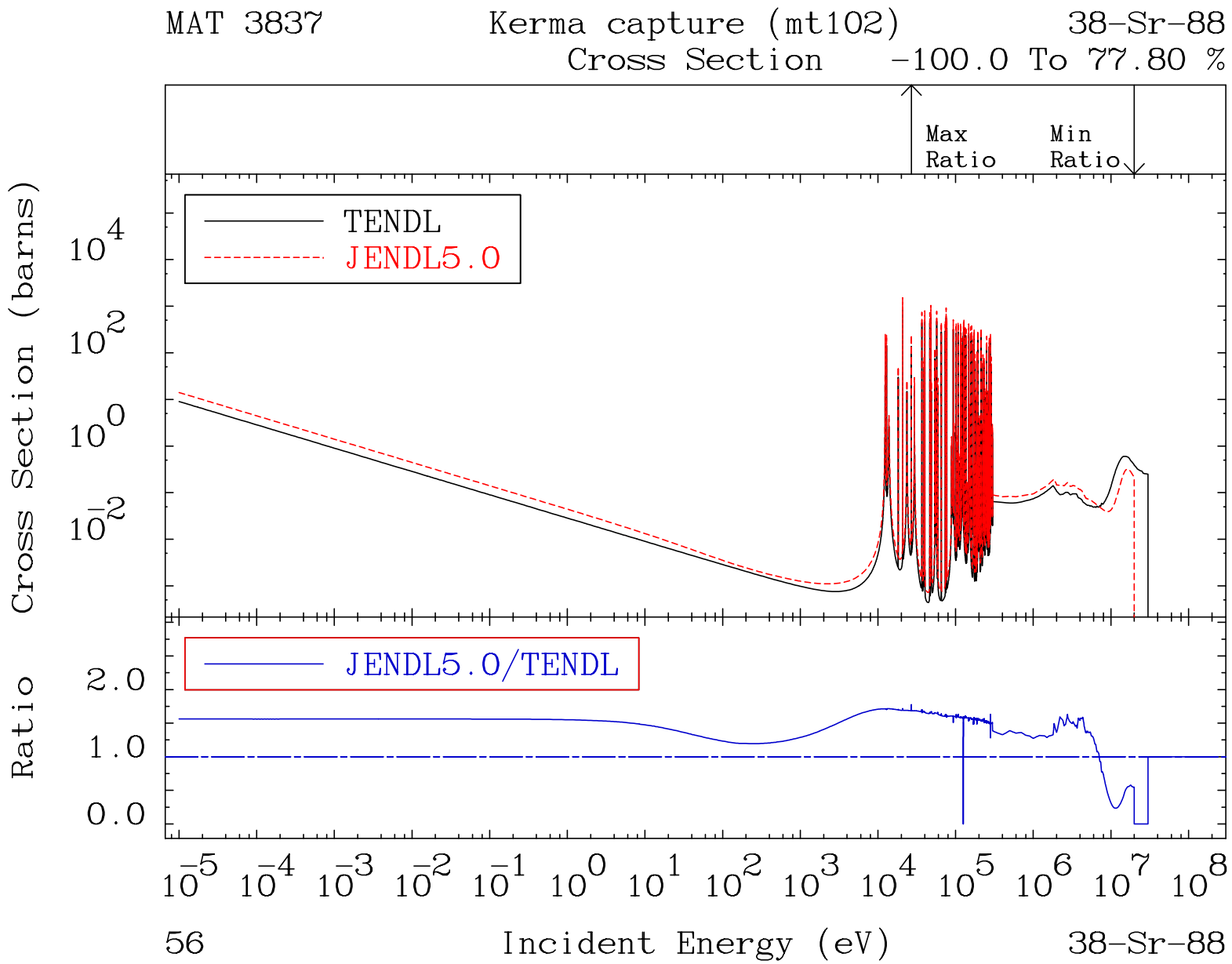

MAT 3837
Kerma total (eV-barns)
38-Sr-88
Cross Section -81.66 To 344.0 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
38-Sr-88

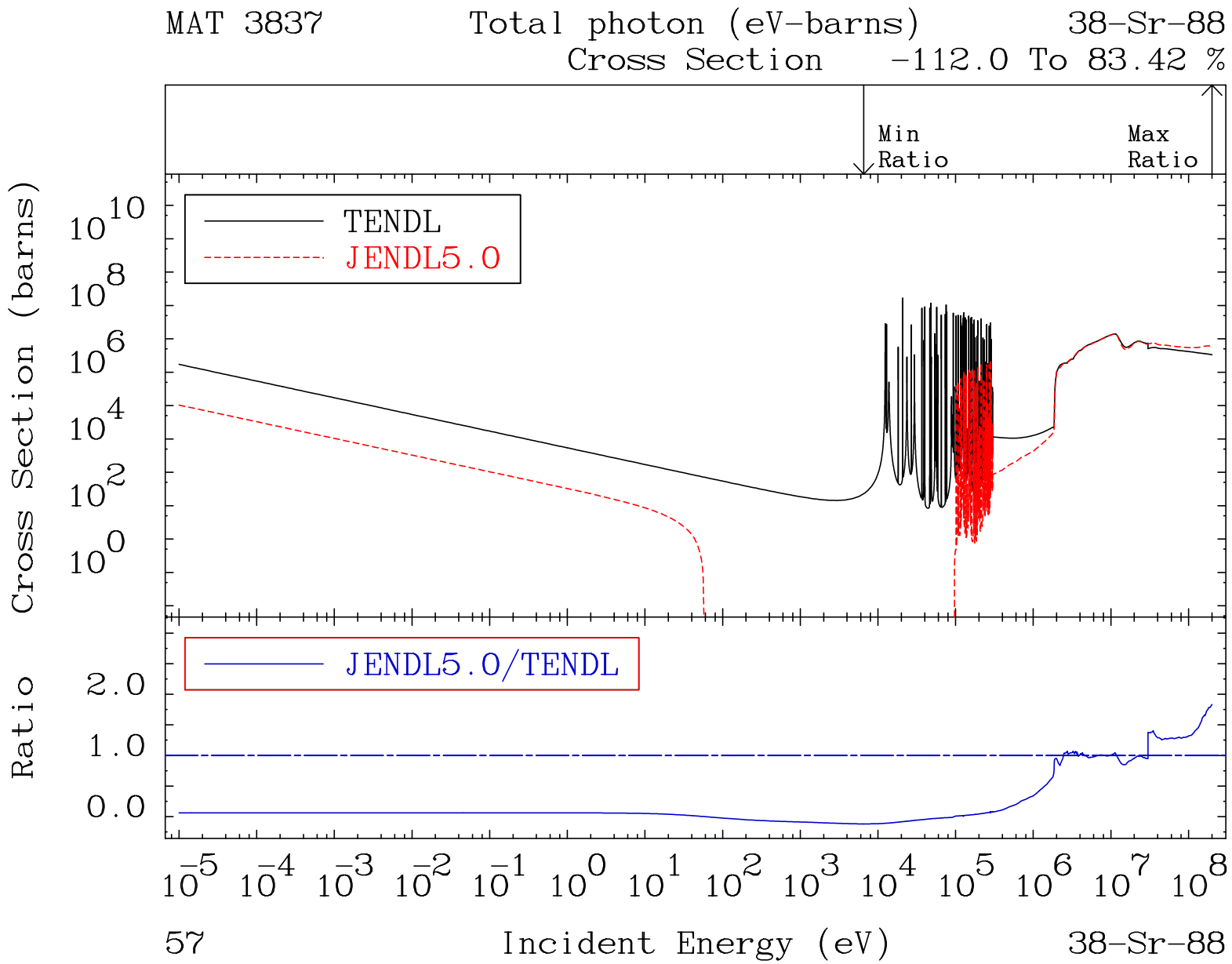

MAT 3837
Kerma elastic
Cross Section
38-Sr-88
-85.50 To 384.5 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
38-Sr-88

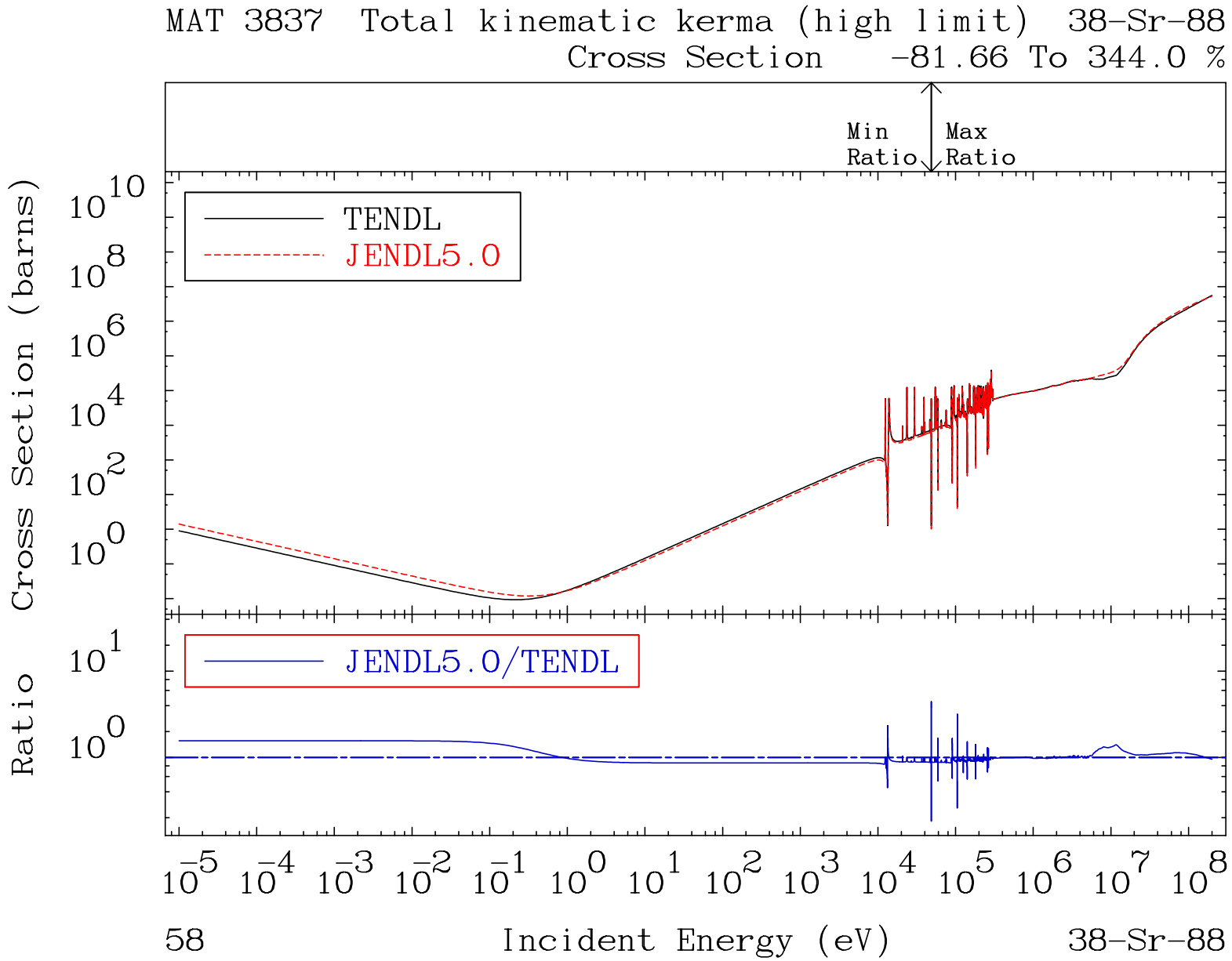

MAT 3837 Kerma non-elastic (all but mt2) 38-Sr-88
Cross Section -99.98 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
38-Sr-88

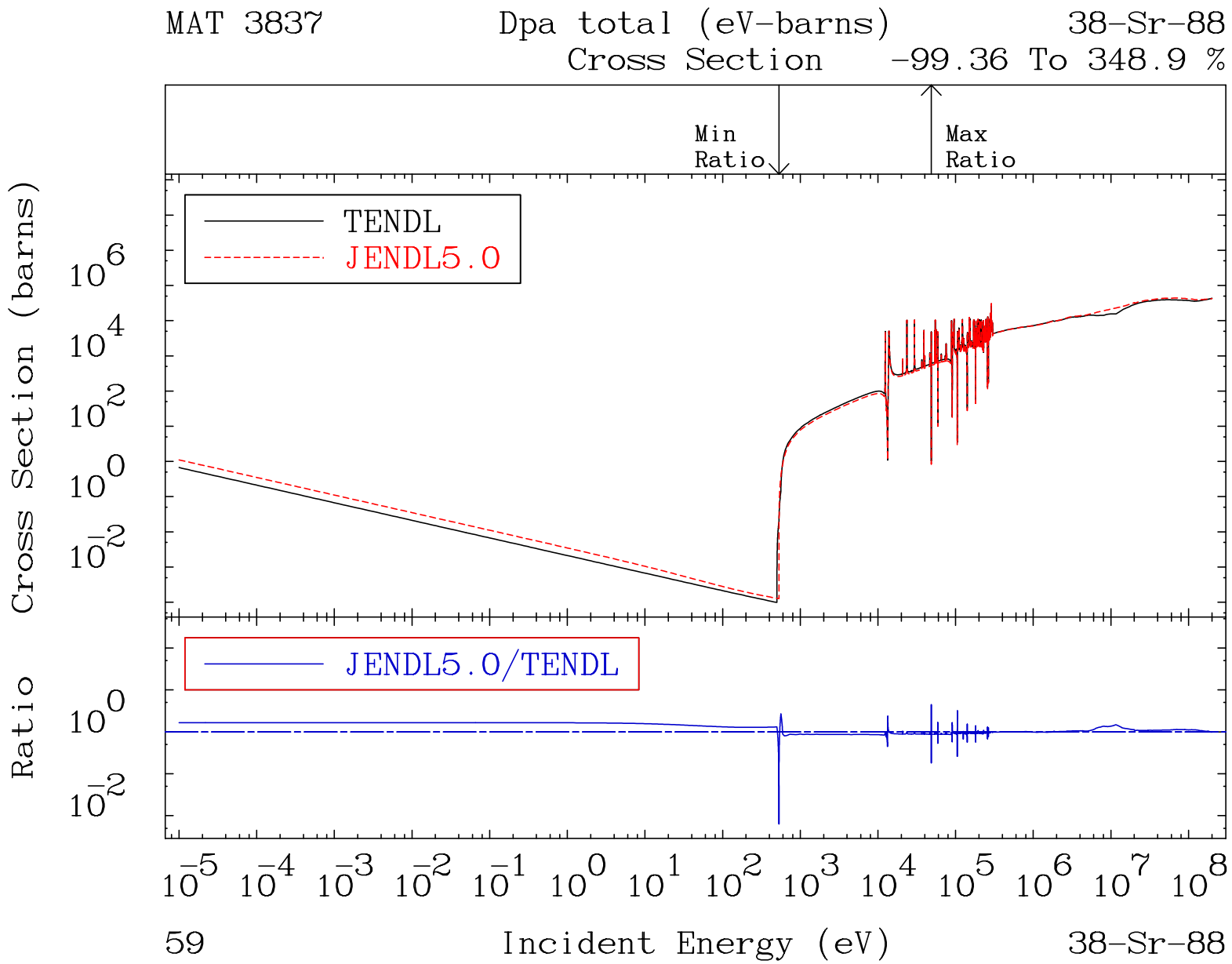

MAT 3837
Kerma inelastic (mt51-91)
38-Sr-88
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.8572 MeV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
54
Incident Energy (eV)
38-Sr-88

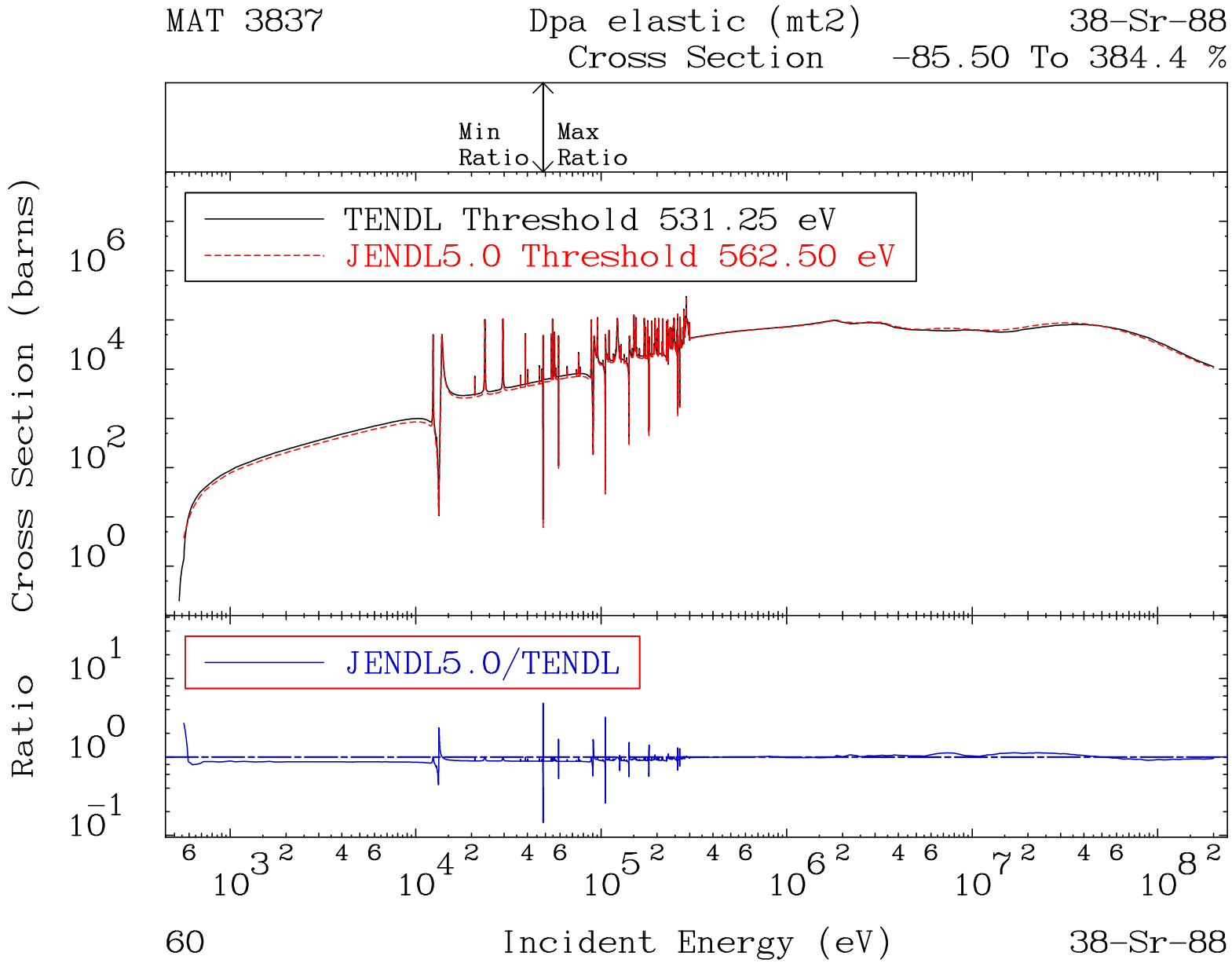

MAT 3837 Kerma fission (mt18 or mt19-20-21-38) 38-Sr-88
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
1.2
0.6
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
55
Incident Energy (eV)
38-Sr-88

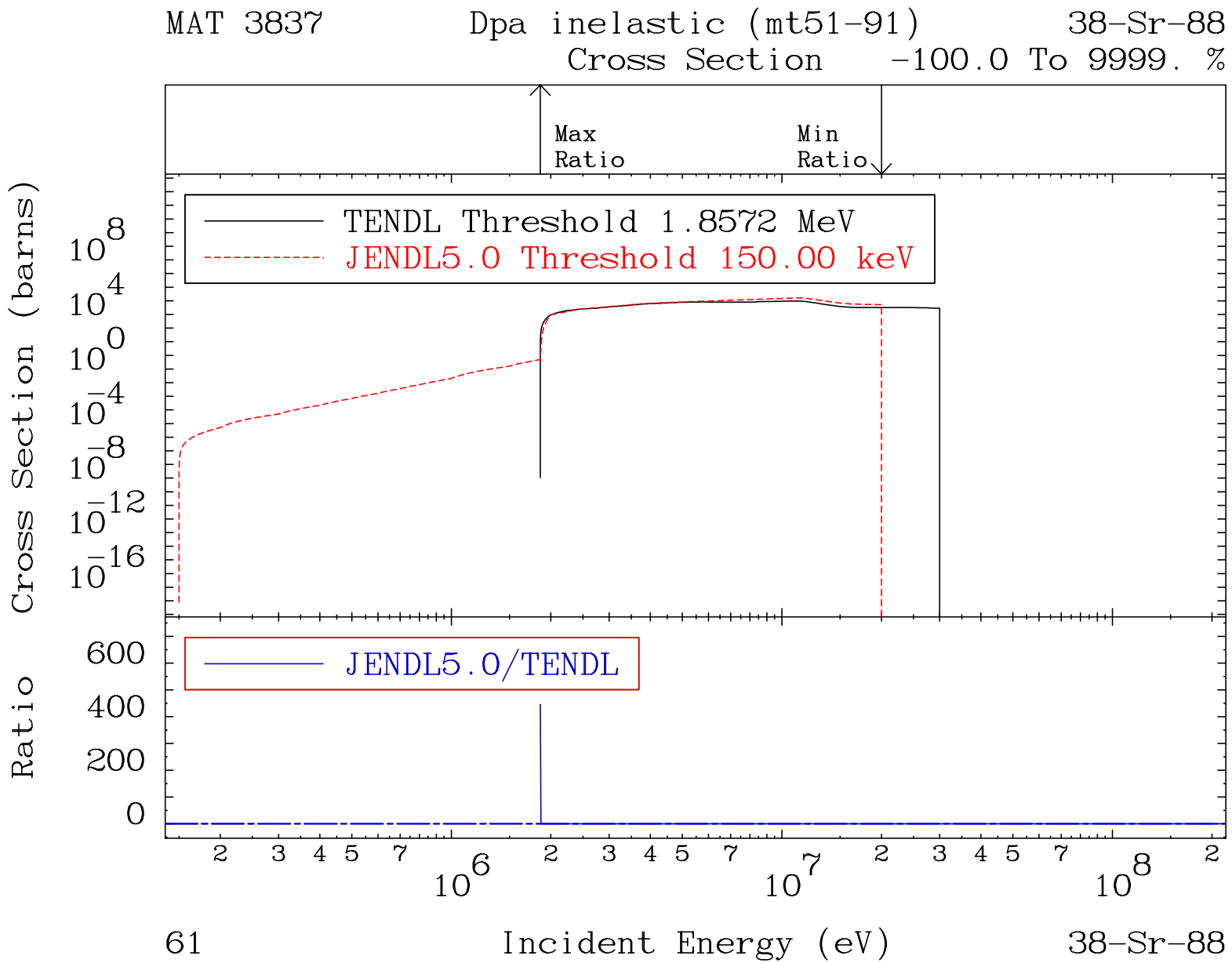

MAT 3837
Kerma capture (mt102)
38-Sr-88
Cross Section -100.0 To 77.80 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^4
10^2
10^0
10^-2
JENDL5.0/TENDL
Ratio
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
56
Incident Energy (eV)
38-Sr-88

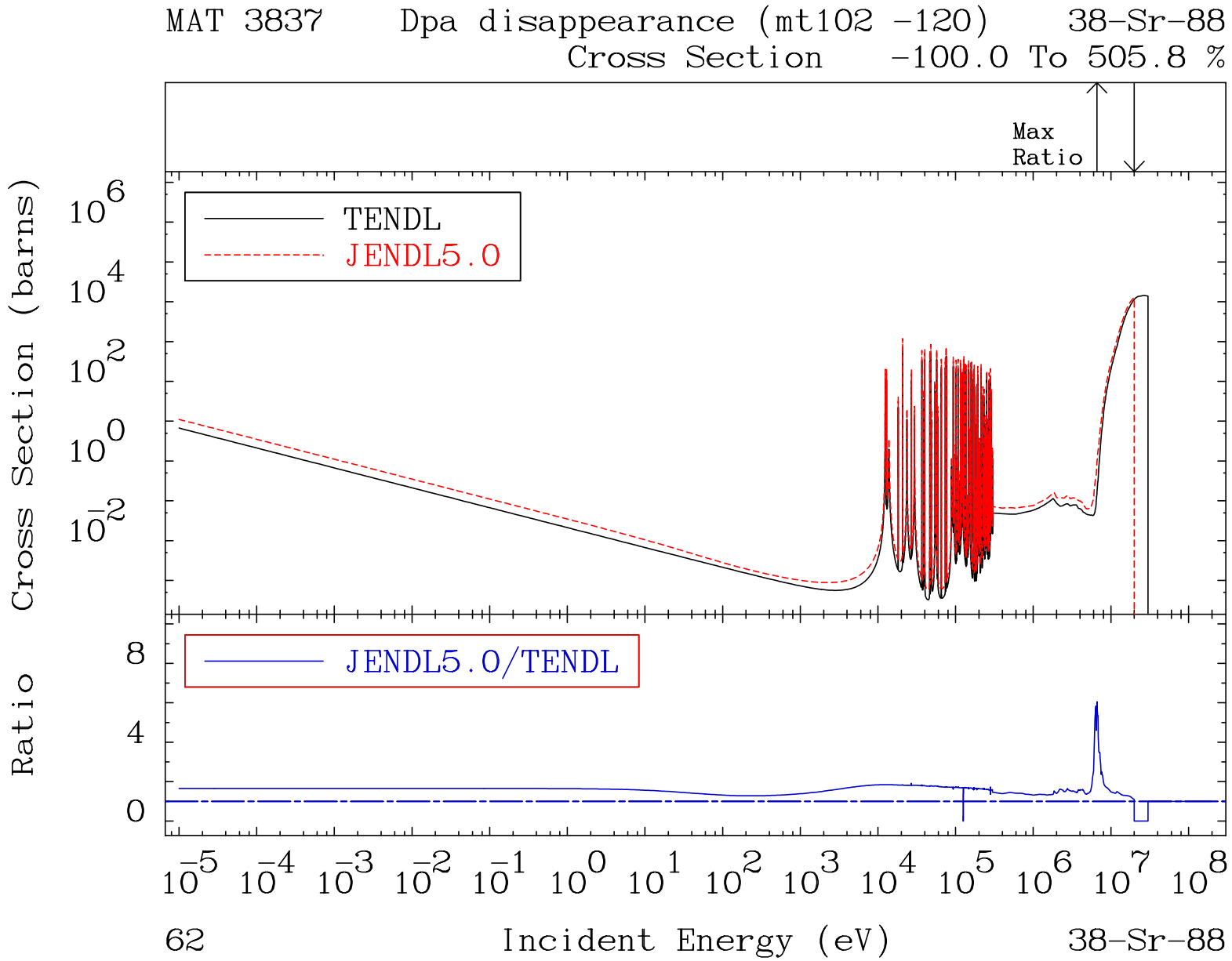

MAT 3837
Total photon (eV-barns)
38-Sr-88
Cross Section -112.0 To 83.42 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
57
38-Sr-88

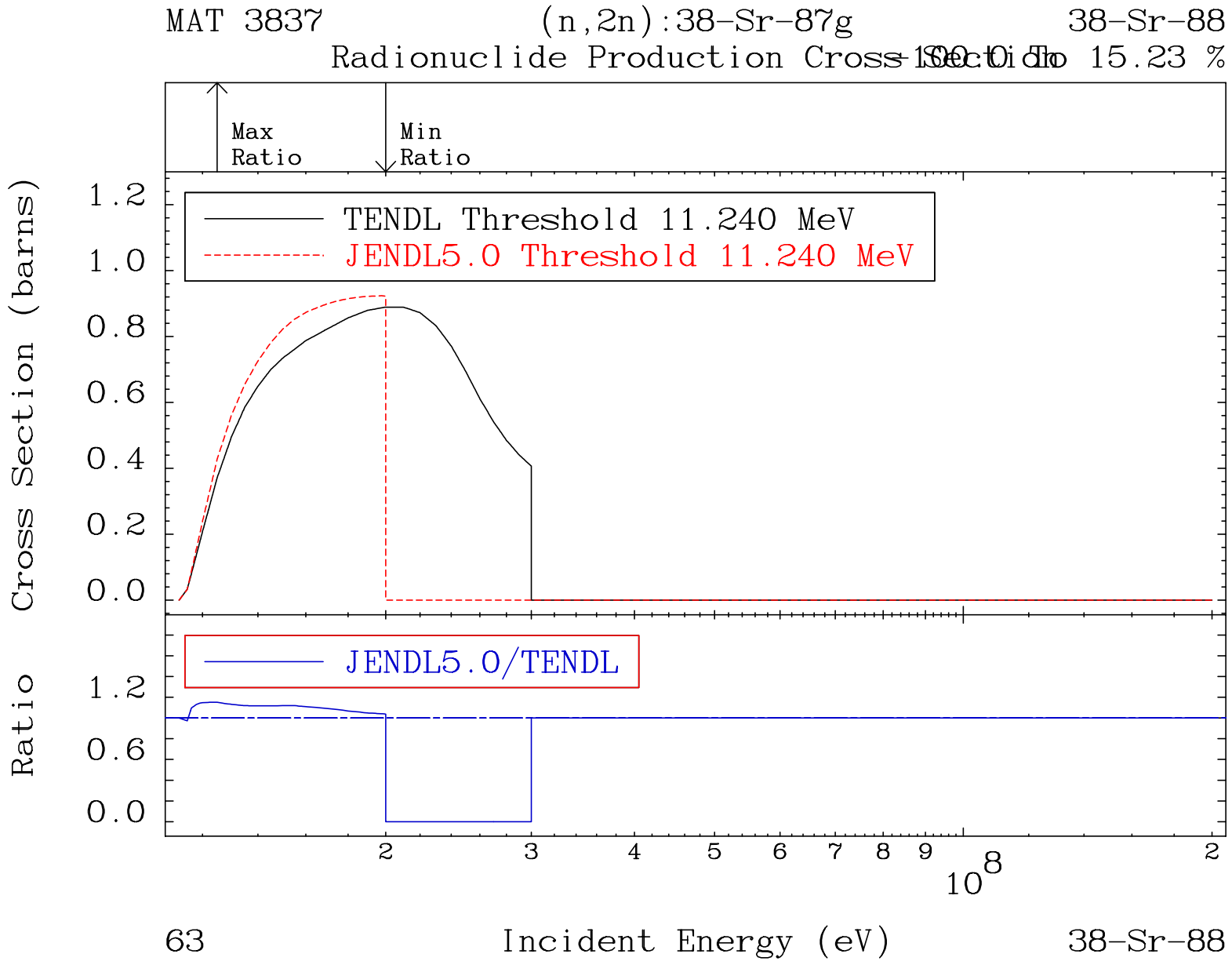

MAT 3837 Total kinematic kerma (high limit) 38-Sr-88
Cross Section -81.66 To 344.0 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
38-Sr-88

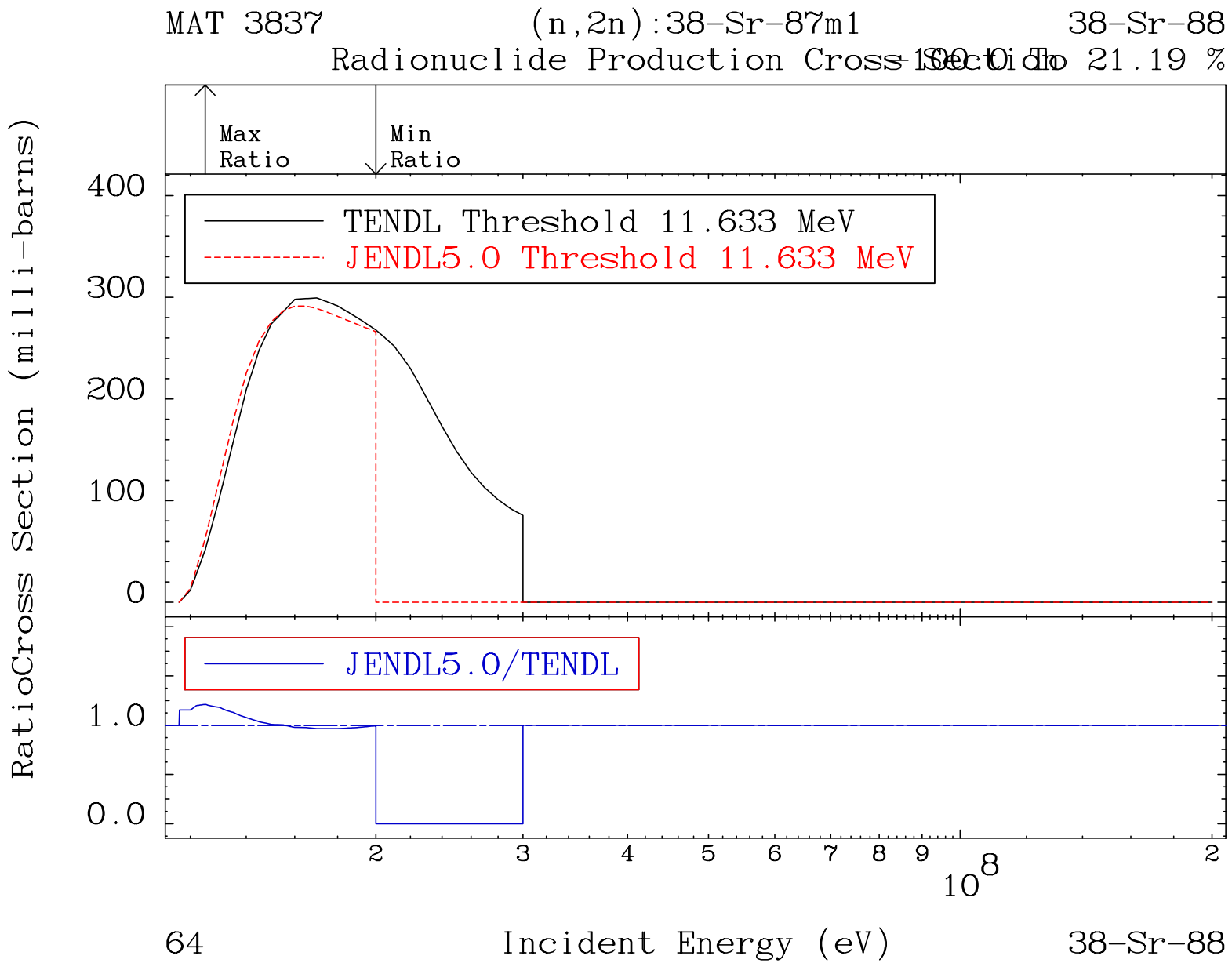

MAT 3837
Dpa total (eV-barns)
38-Sr-88
Cross Section -99.36 To 348.9 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
38-Sr-88

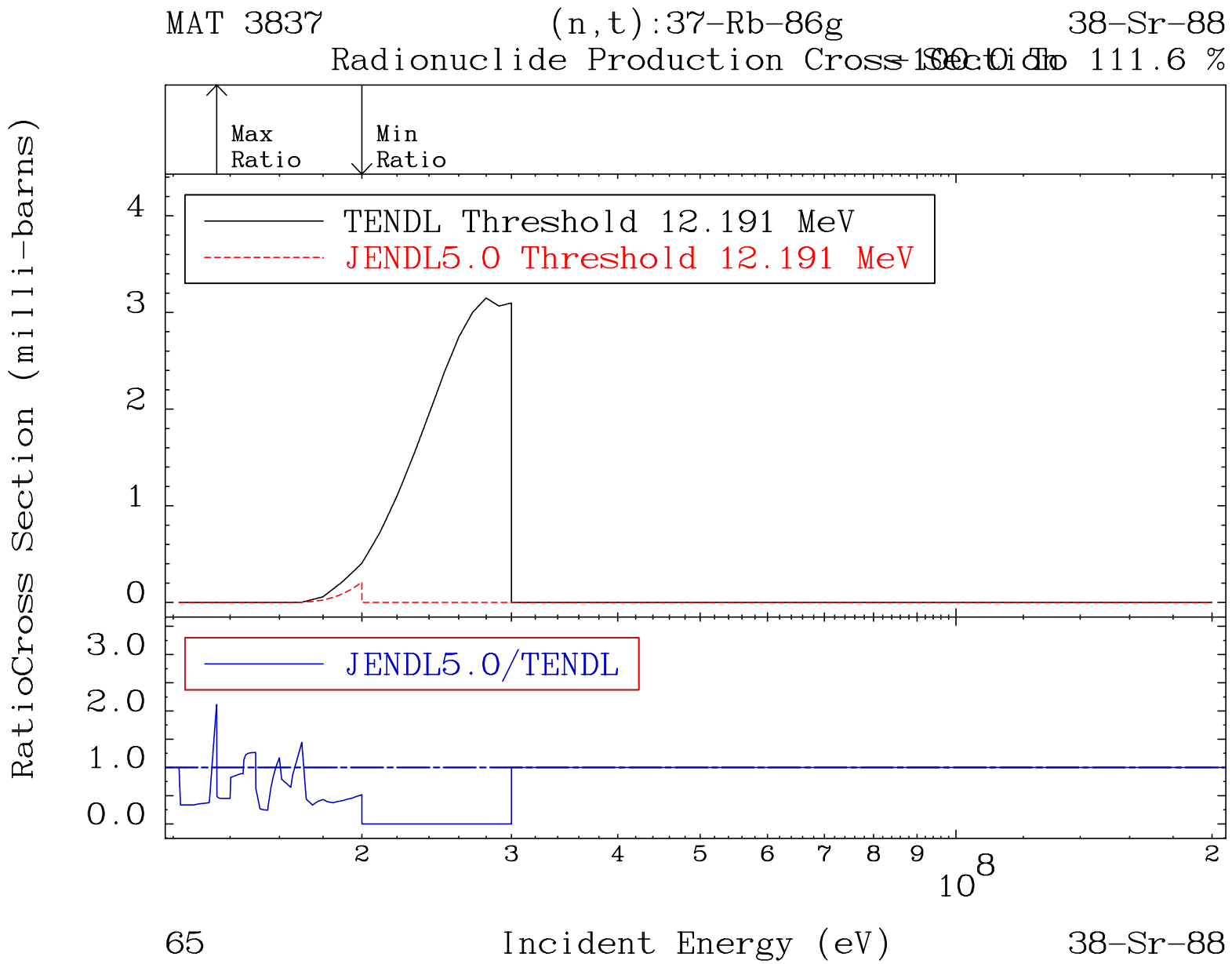

MAT 3837
Dpa elastic (mt2)
Cross Section
38-Sr-88
-85.50 To 384.4 %
Min Ratio
Max Ratio
TENDL Threshold 531.25 eV
JENDL5.0 Threshold 562.50 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
38-Sr-88

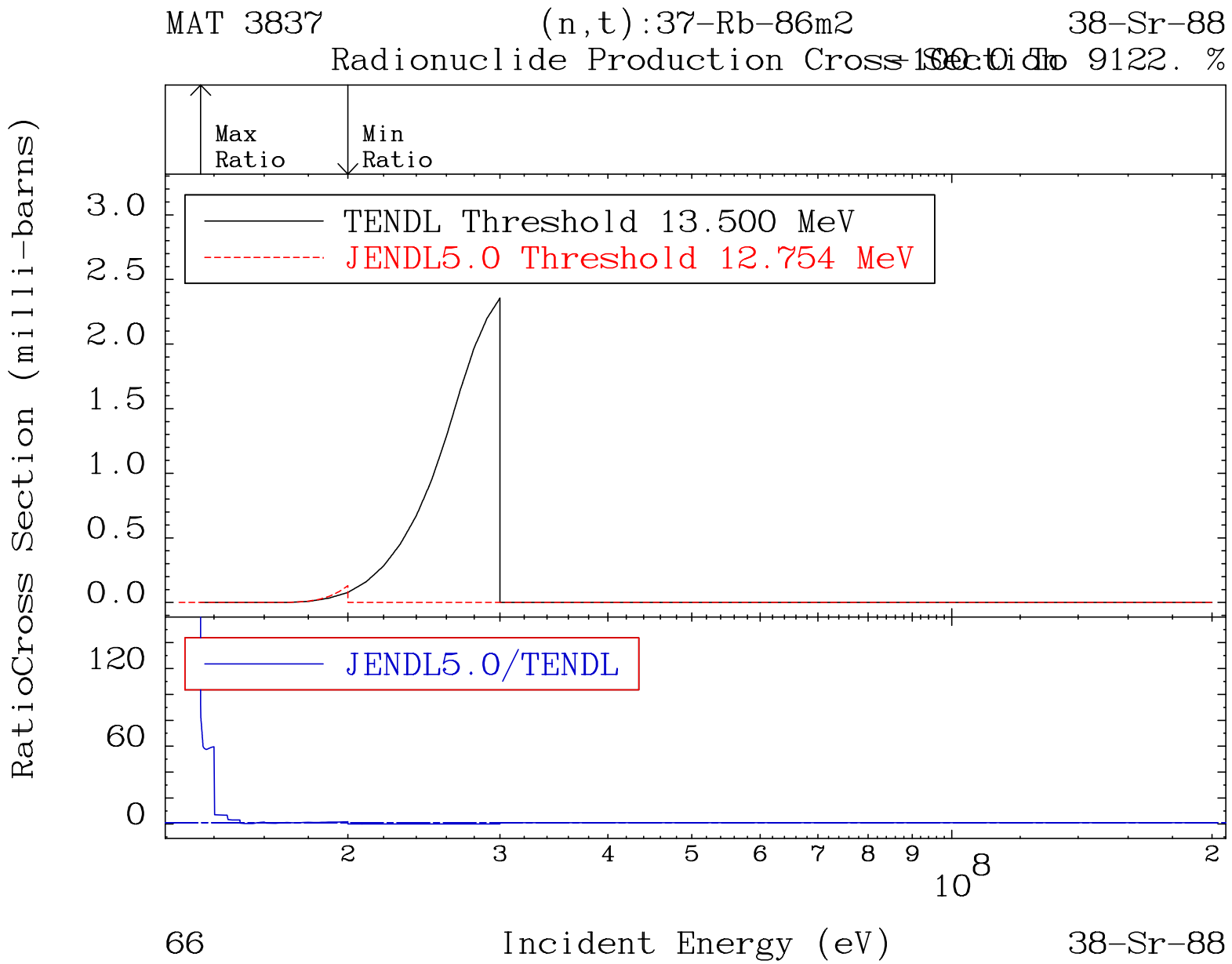

MAT 3837
Dpa inelastic (mt51-91)
38-Sr-88
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.8572 MeV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
61
38-Sr-88

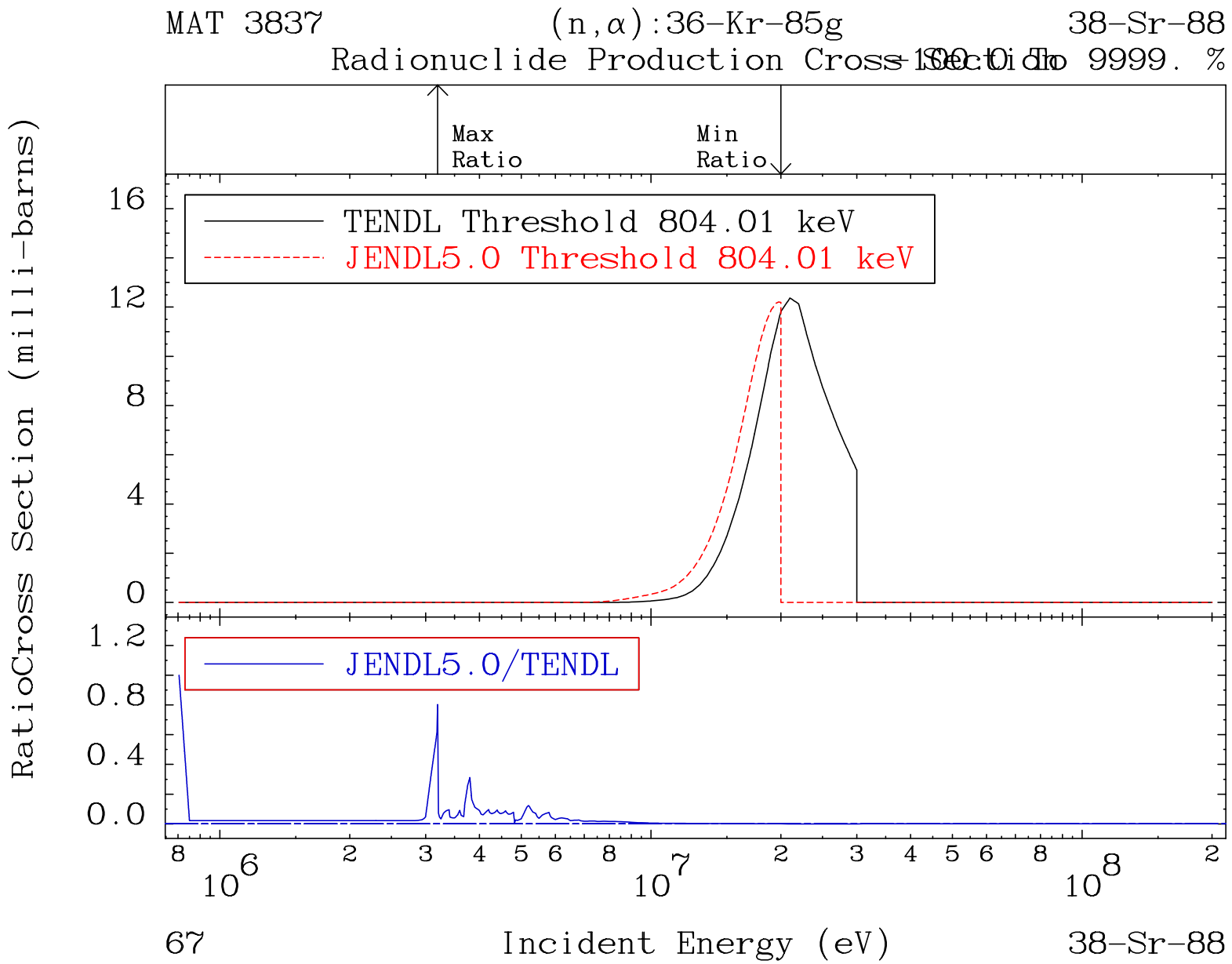

MAT 3837 Dpa disappearance (mt102 -120) 38-Sr-88
Cross Section -100.0 To 505.8 %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
62
38-Sr-88

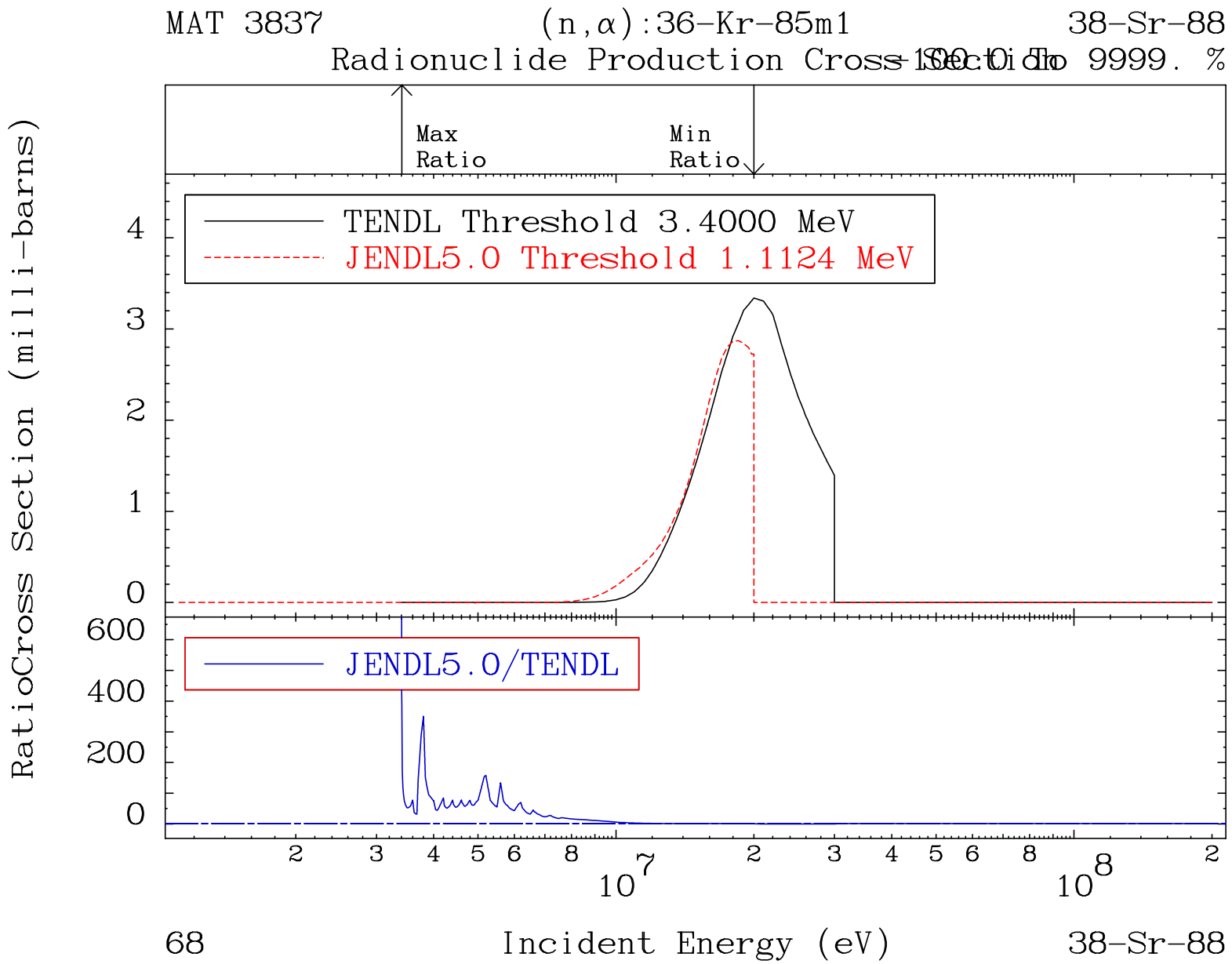

MAT 3837
(n,2n):38-Sr-87g
38-Sr-88
Radionuclide Production Cross Section To 15.23 %
Max Ratio
Min Ratio
TENDL Threshold 11.240 MeV
JENDL5.0 Threshold 11.240 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2
3
4
5
6
7
8
9
10^8
63
Incident Energy (eV)
38-Sr-88

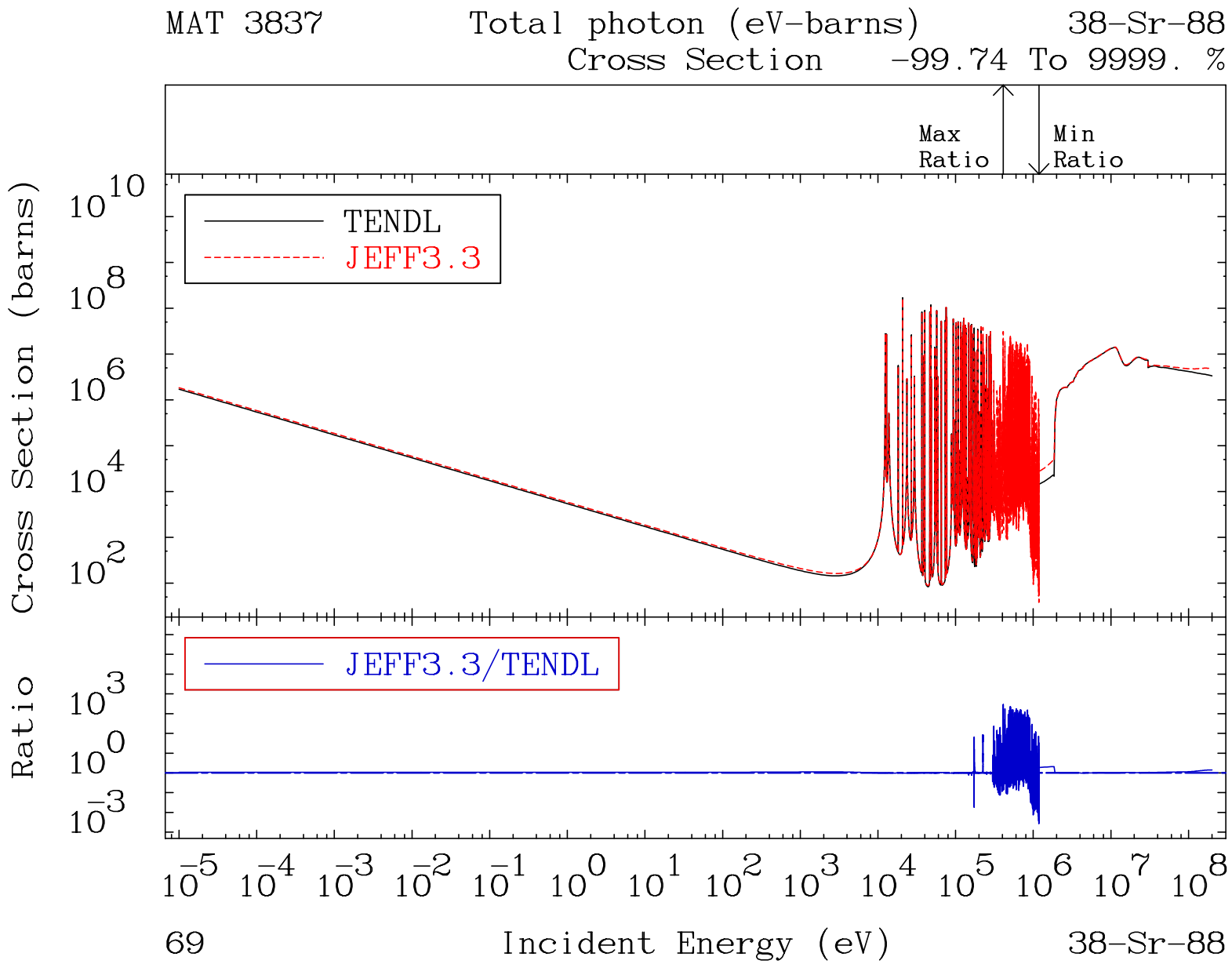

MAT 3837
(n,2n):38-Sr-87m1
38-Sr-88
Radionuclide Production Cross Section
Uncertainty 21.19 %
Max Ratio
Min Ratio
TENDL Threshold 11.633 MeV
JENDL5.0 Threshold 11.633 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
64
Incident Energy (eV)
38-Sr-88

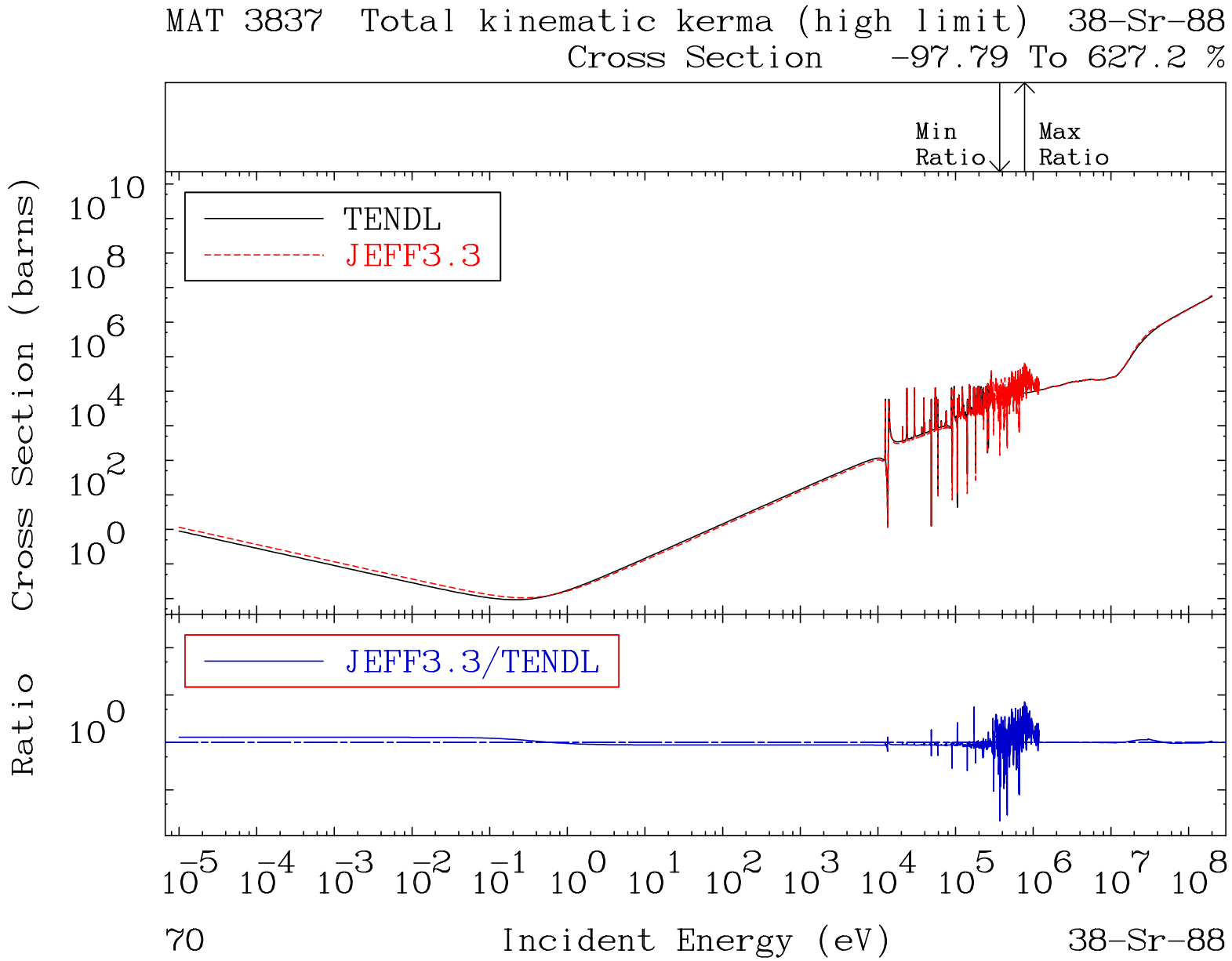

MAT 3837
(n,t):37-Rb-86g
38-Sr-88
Radionuclide Production Cross Section To 111.6 %
Max Ratio
Min Ratio
TENDL Threshold 12.191 MeV
JENDL5.0 Threshold 12.191 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
65
38-Sr-88

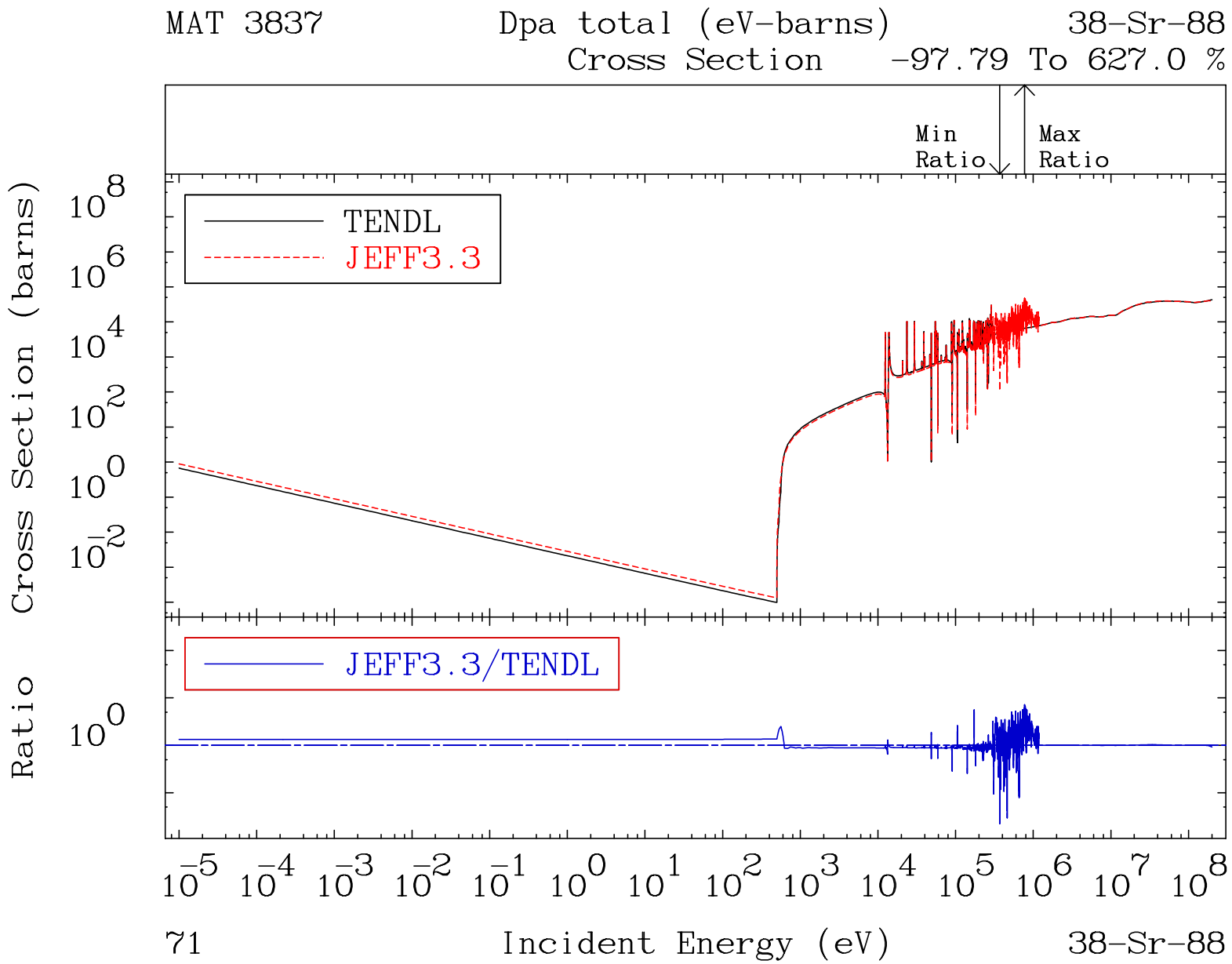

MAT 3837
(n,t):37-Rb-86m2
38-Sr-88
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 13.500 MeV
JENDL5.0 Threshold 12.754 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
66
38-Sr-88

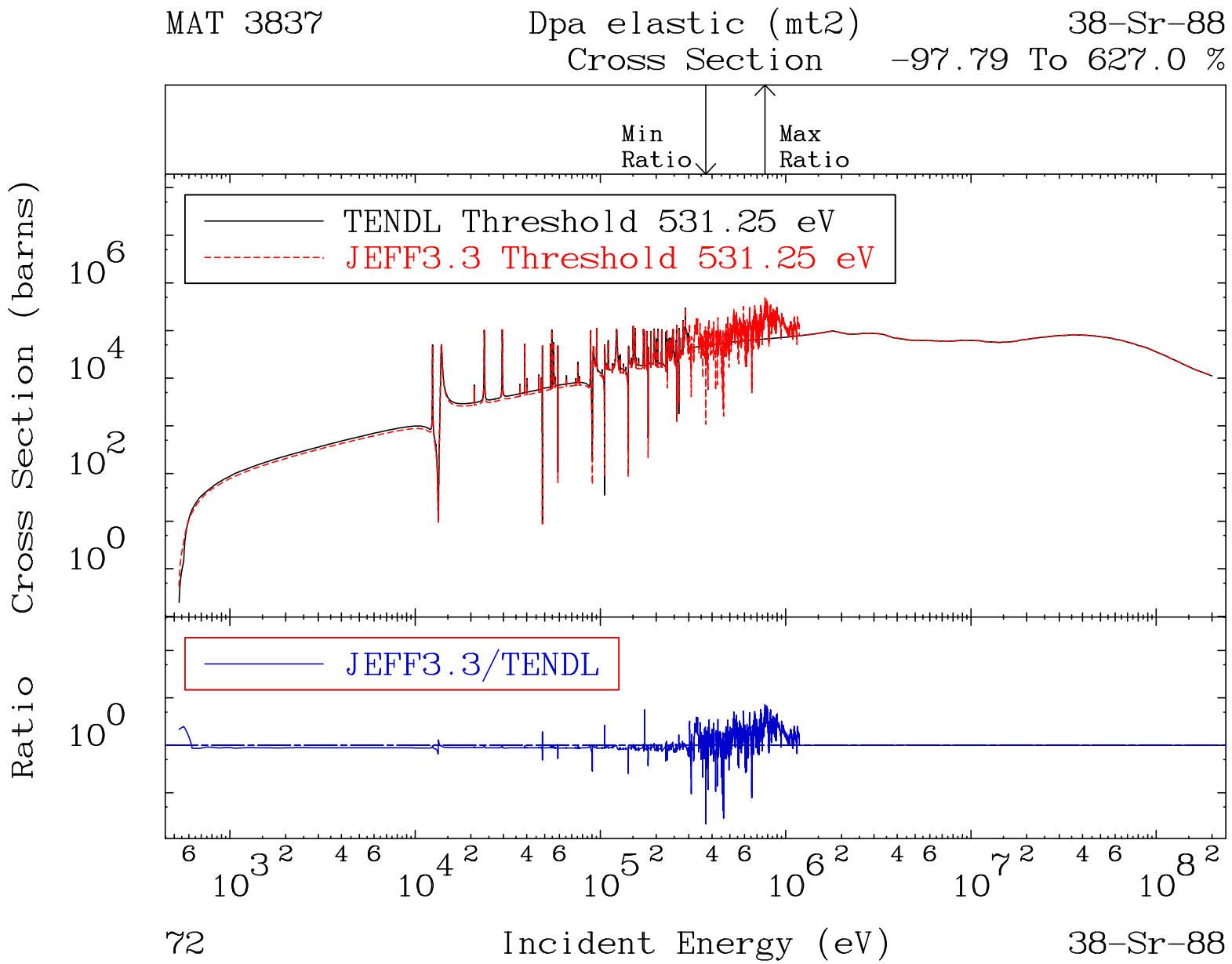

MAT 3837
(n,α):36-Kr-85g
38-Sr-88
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 804.01 keV
JENDL5.0 Threshold 804.01 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.2
0.8
0.4
0.0
8
2
3
4
5
6
8
10^6
10^7
10^8
67
Incident Energy (eV)
38-Sr-88

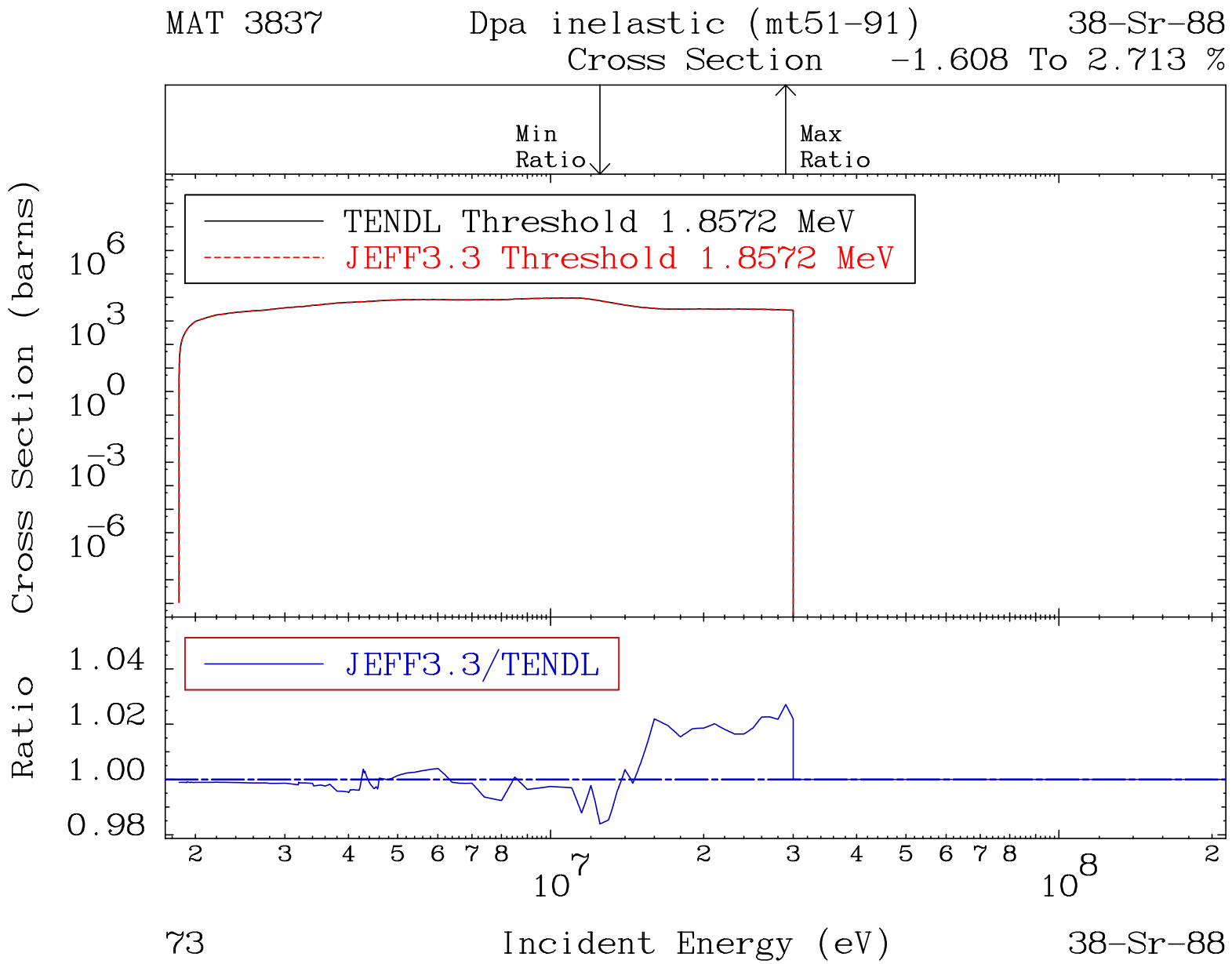

MAT 3837
(n,α):36-Kr-85m1
38-Sr-88
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 3.4000 MeV
JENDL5.0 Threshold 1.1124 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
68
38-Sr-88

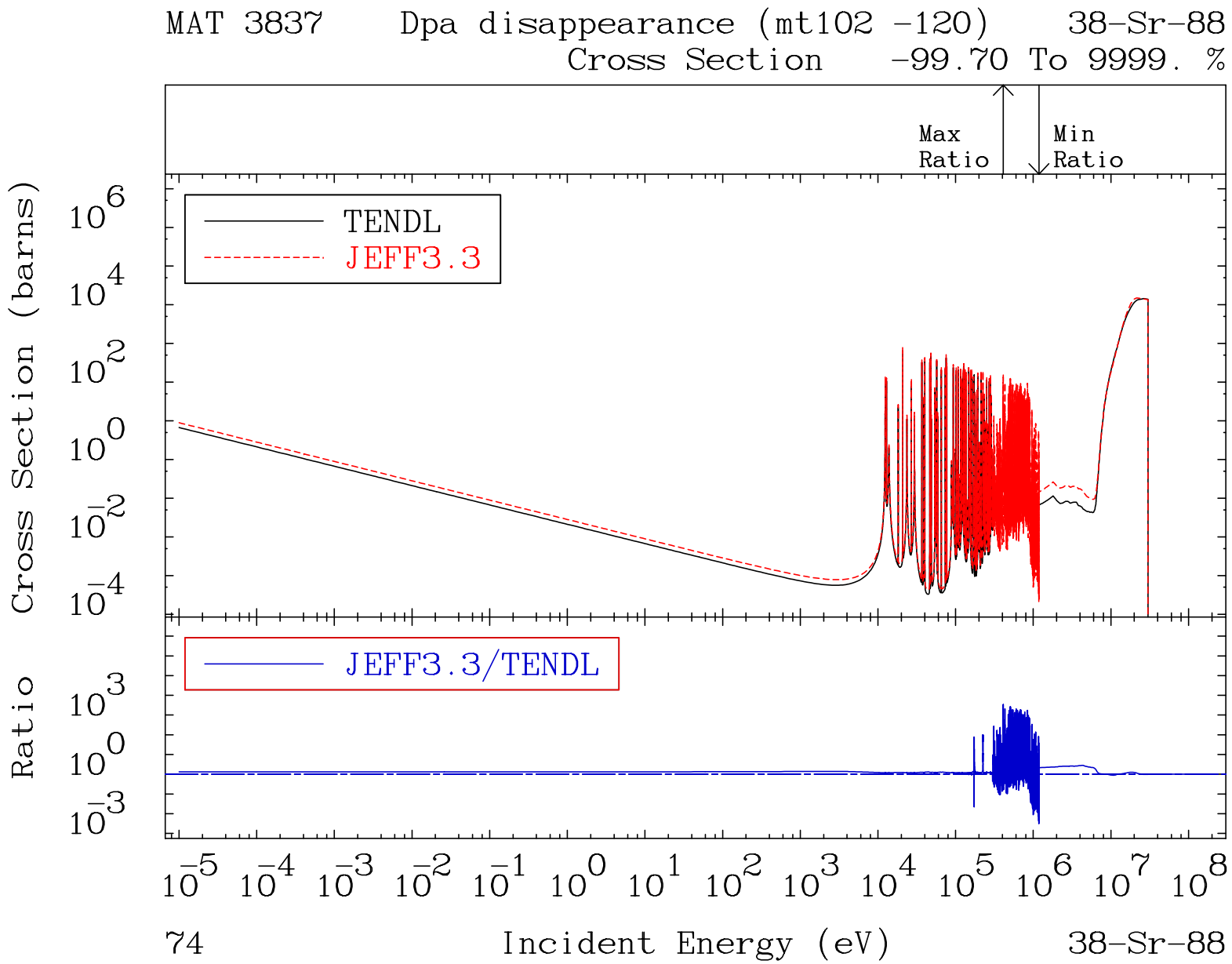

MAT 3837
Total photon (eV-barns)
38-Sr-88
Cross Section -99.74 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
69
38-Sr-88

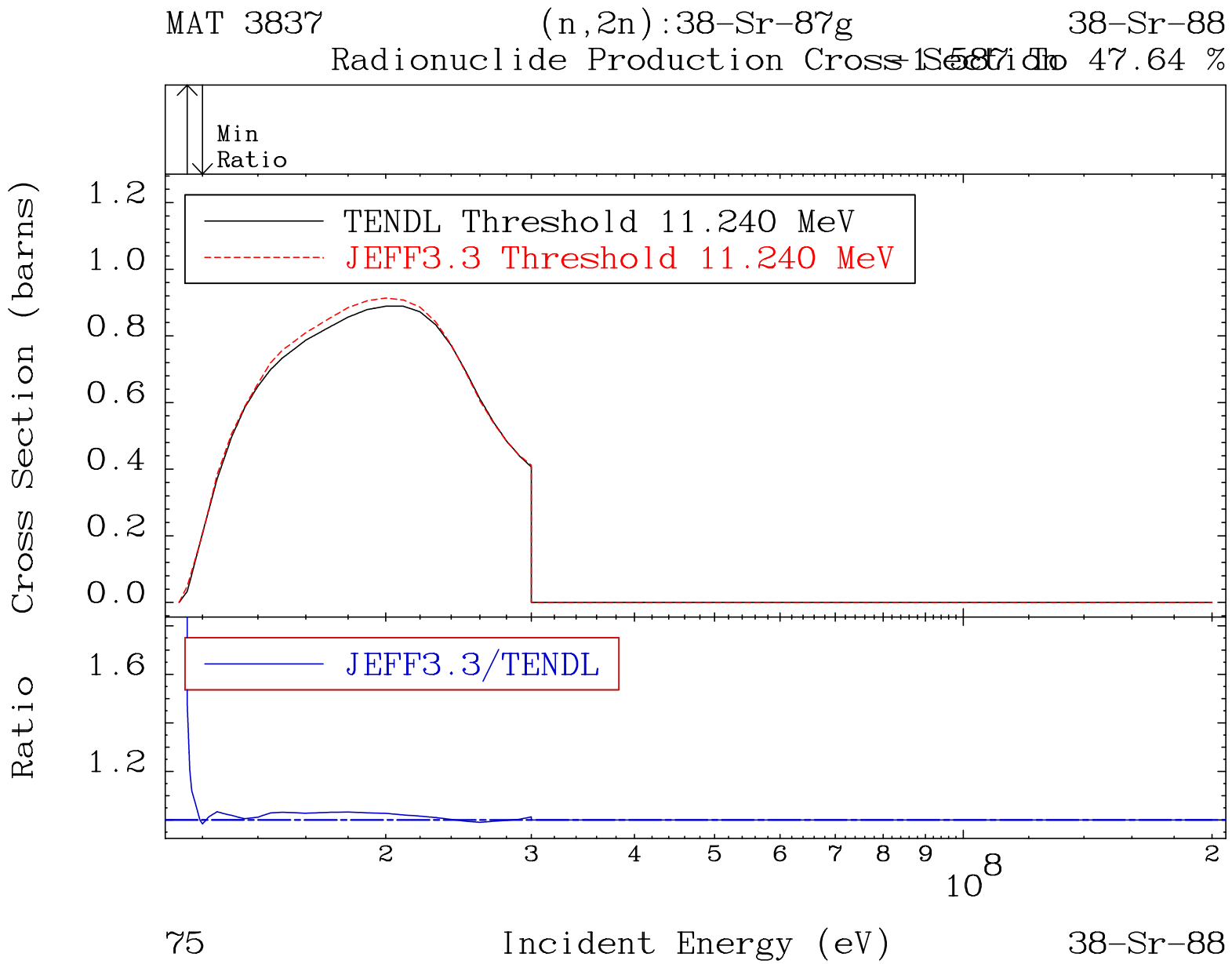

MAT 3837 Total kinematic kerma (high limit) 38-Sr-88
Cross Section -97.79 To 627.2 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
70
38-Sr-88

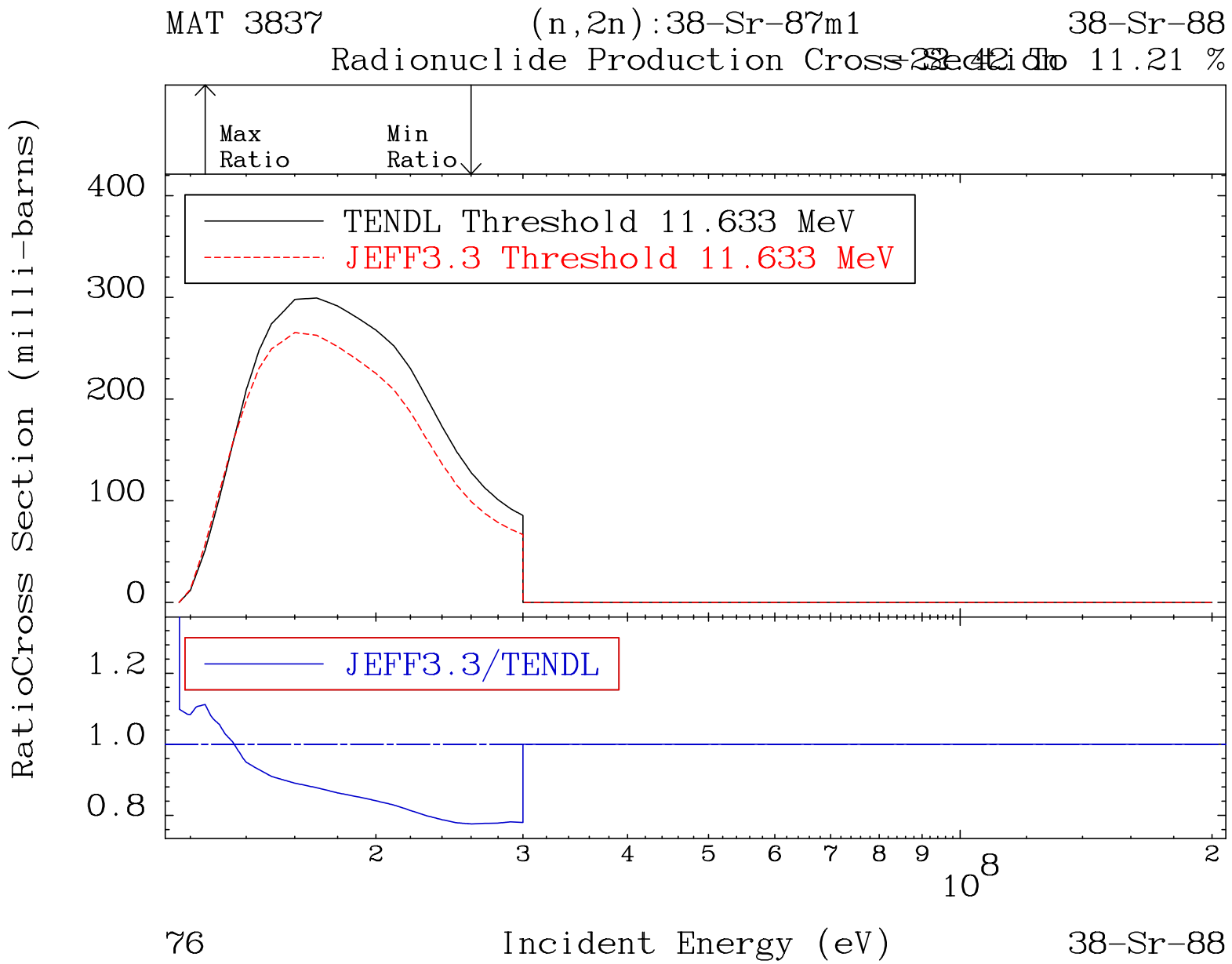

MAT 3837
Dpa total (eV-barns)
38-Sr-88
Cross Section
-97.79 To 627.0 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
71
38-Sr-88

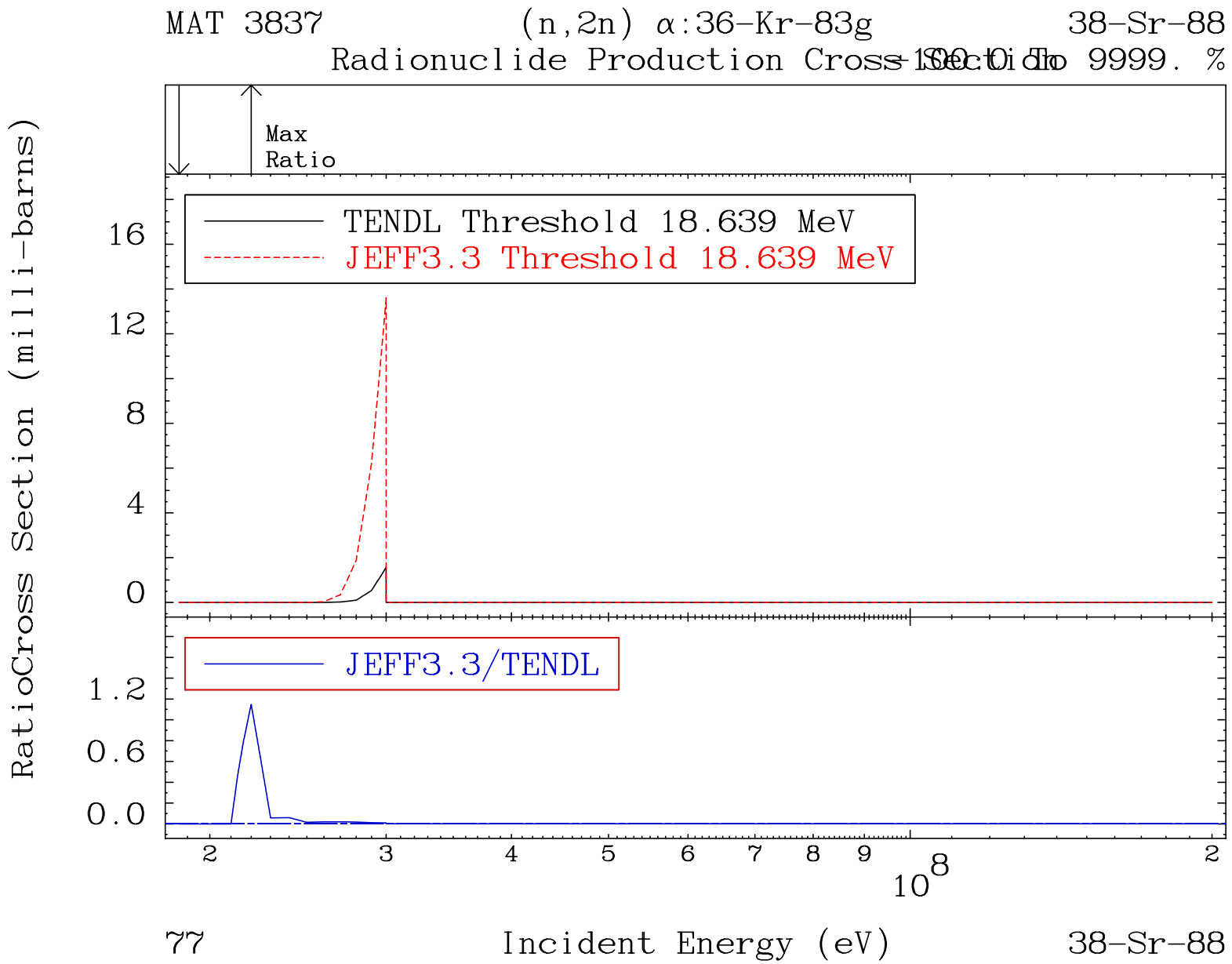

MAT 3837
Dpa elastic (mt2)
Cross Section
38-Sr-88
-97.79 To 627.0 %
Min Ratio
Max Ratio
TENDL Threshold 531.25 eV
JEFF3.3 Threshold 531.25 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
72
38-Sr-88

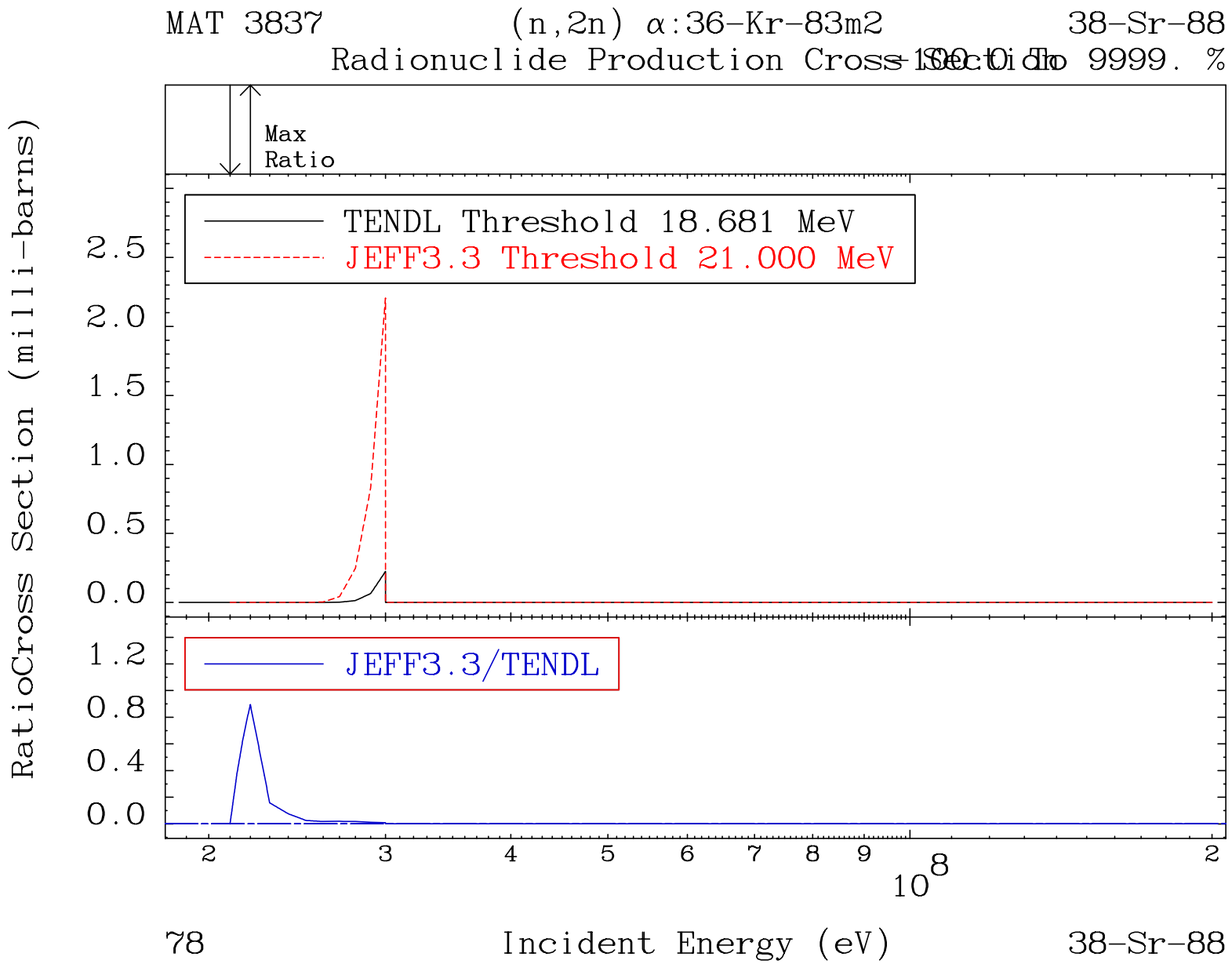

MAT 3837
Dpa inelastic (mt51-91)
38-Sr-88
Cross Section
-1.608 To 2.713 %
Min Ratio
Max Ratio
TENDL Threshold 1.8572 MeV
JEFF3.3 Threshold 1.8572 MeV
Cross Section (barns)
10^6
10^3
10^0
10^-3
10^-6
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
0.98
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
73
Incident Energy (eV)
38-Sr-88

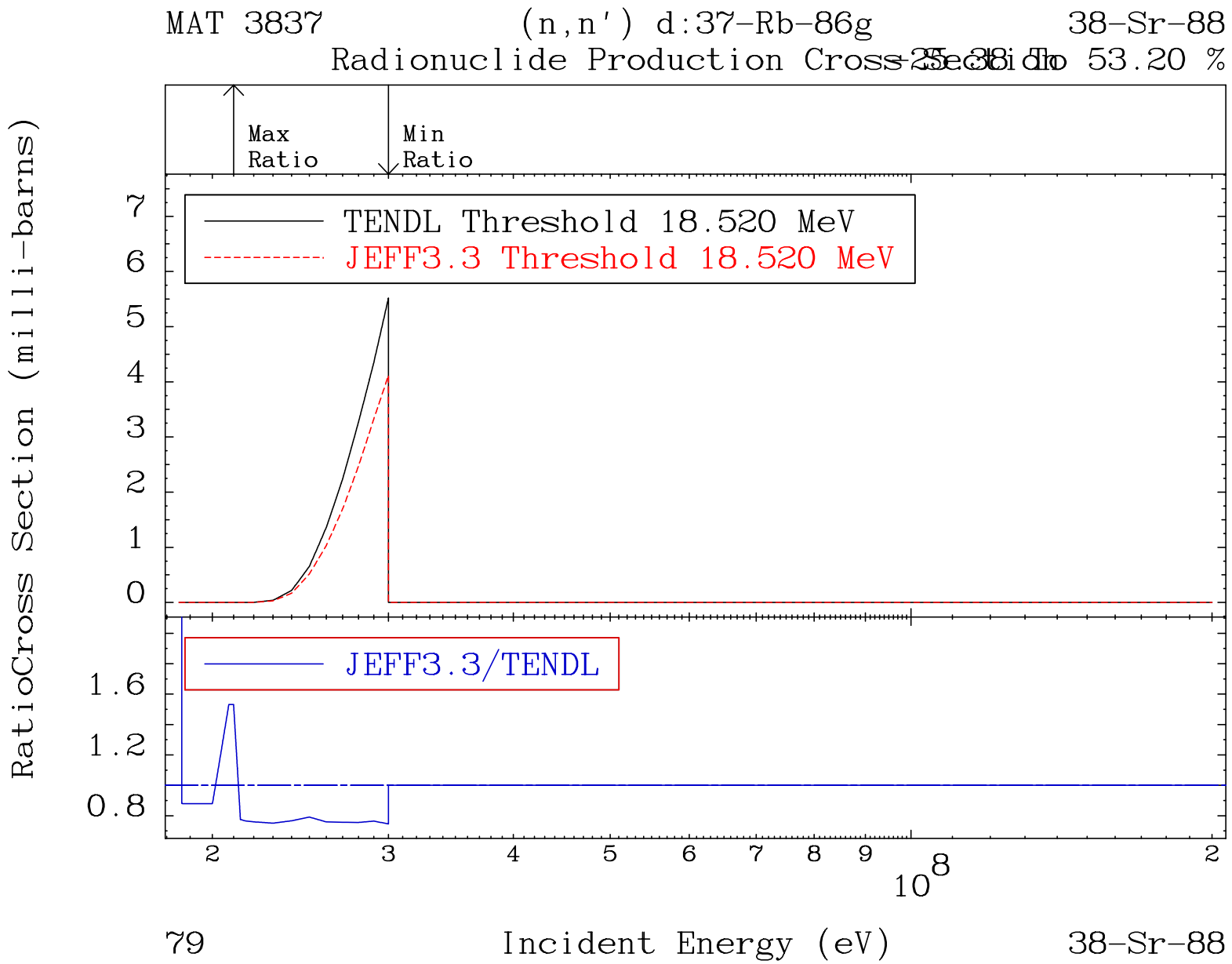

MAT 3837 Dpa disappearance (mt102 -120) 38-Sr-88
Cross Section -99.70 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
38-Sr-88

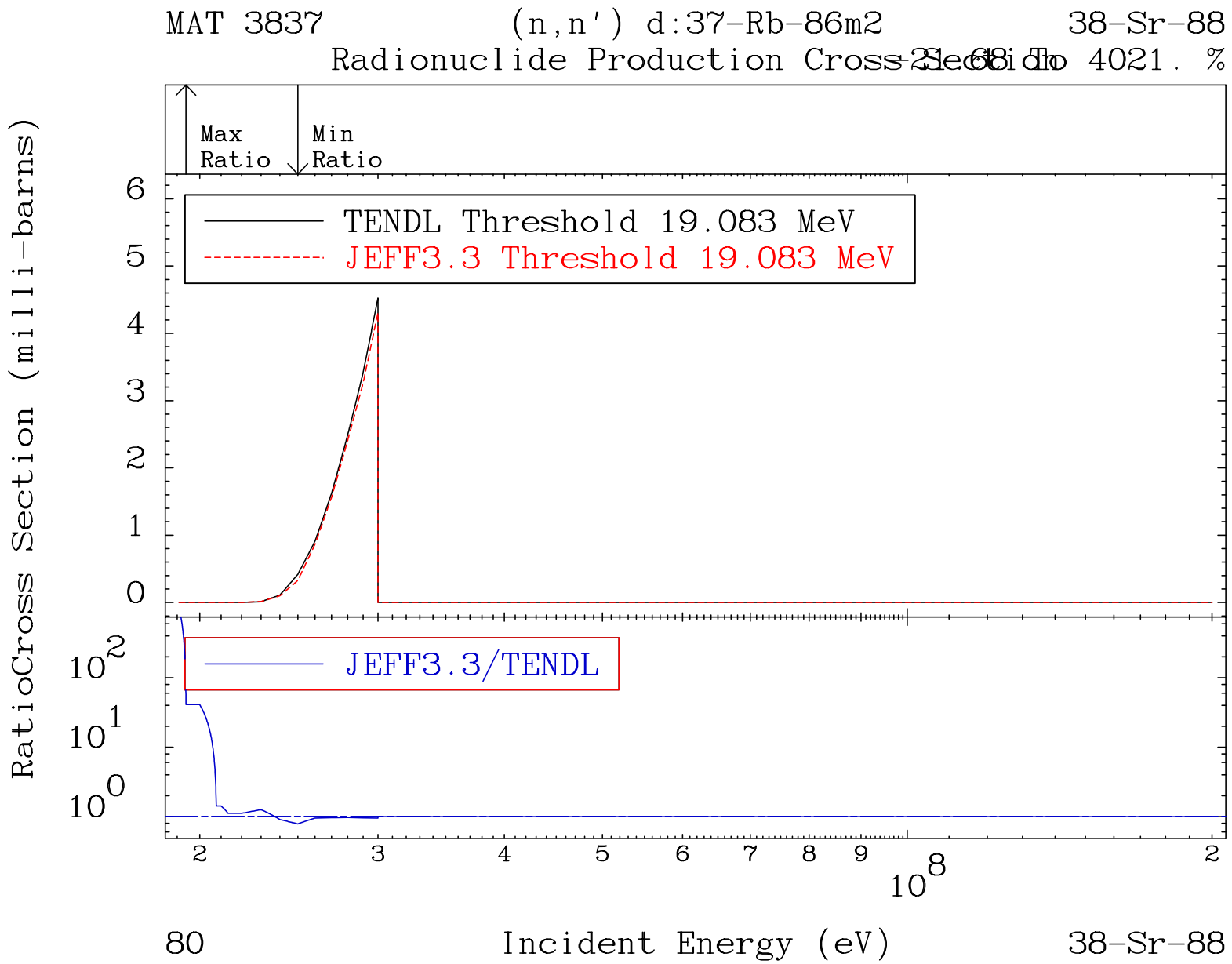

MAT 3837
(n,2n):38-Sr-87g
38-Sr-88
Radionuclide Production Cross Section
Min
Ratio
TENDL Threshold 11.240 MeV
JEFF3.3 Threshold 11.240 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
75
Incident Energy (eV)
38-Sr-88

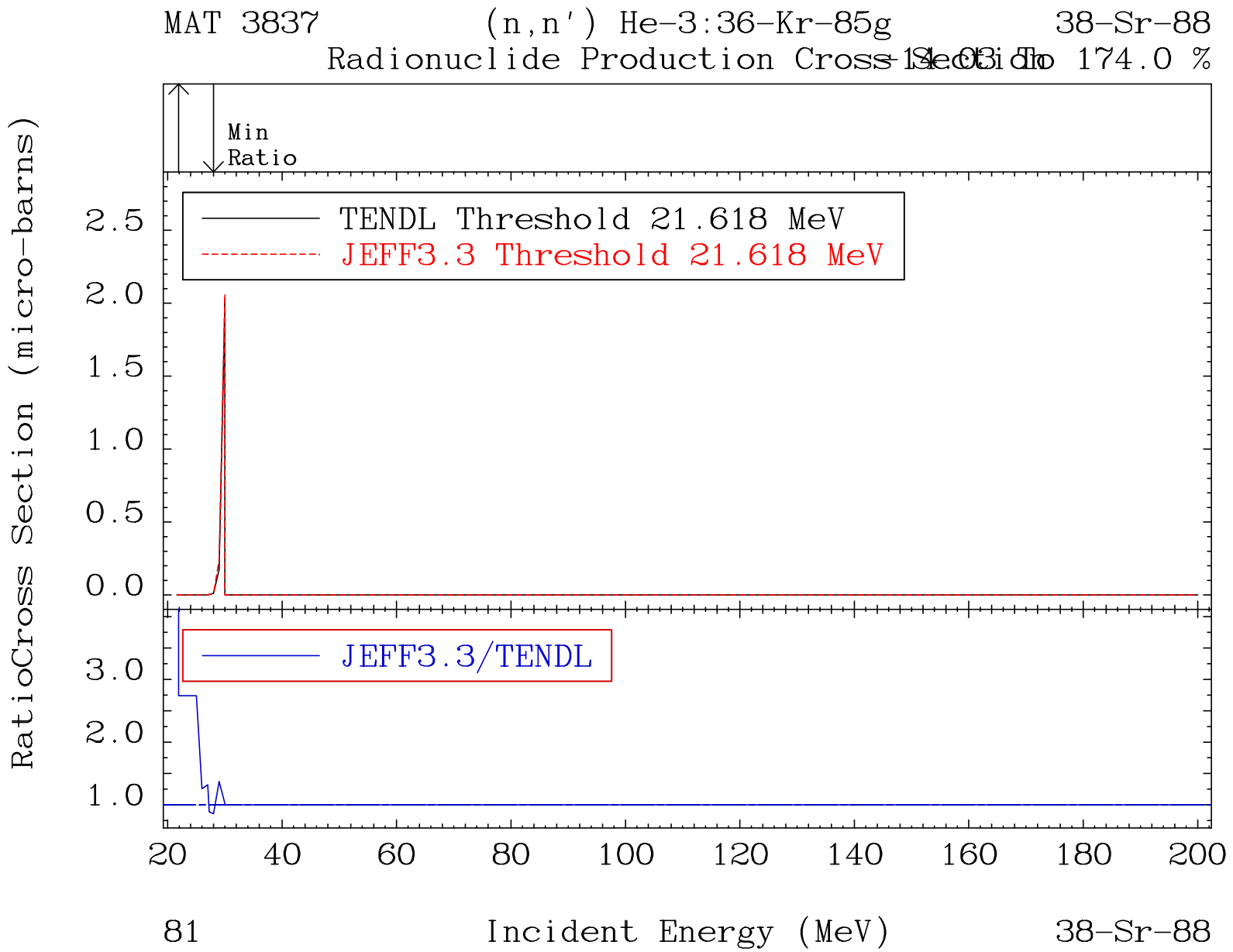

MAT 3837
(n,2n):38-Sr-87m1
38-Sr-88
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 11.633 MeV
JEFF3.3 Threshold 11.633 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
76
38-Sr-88

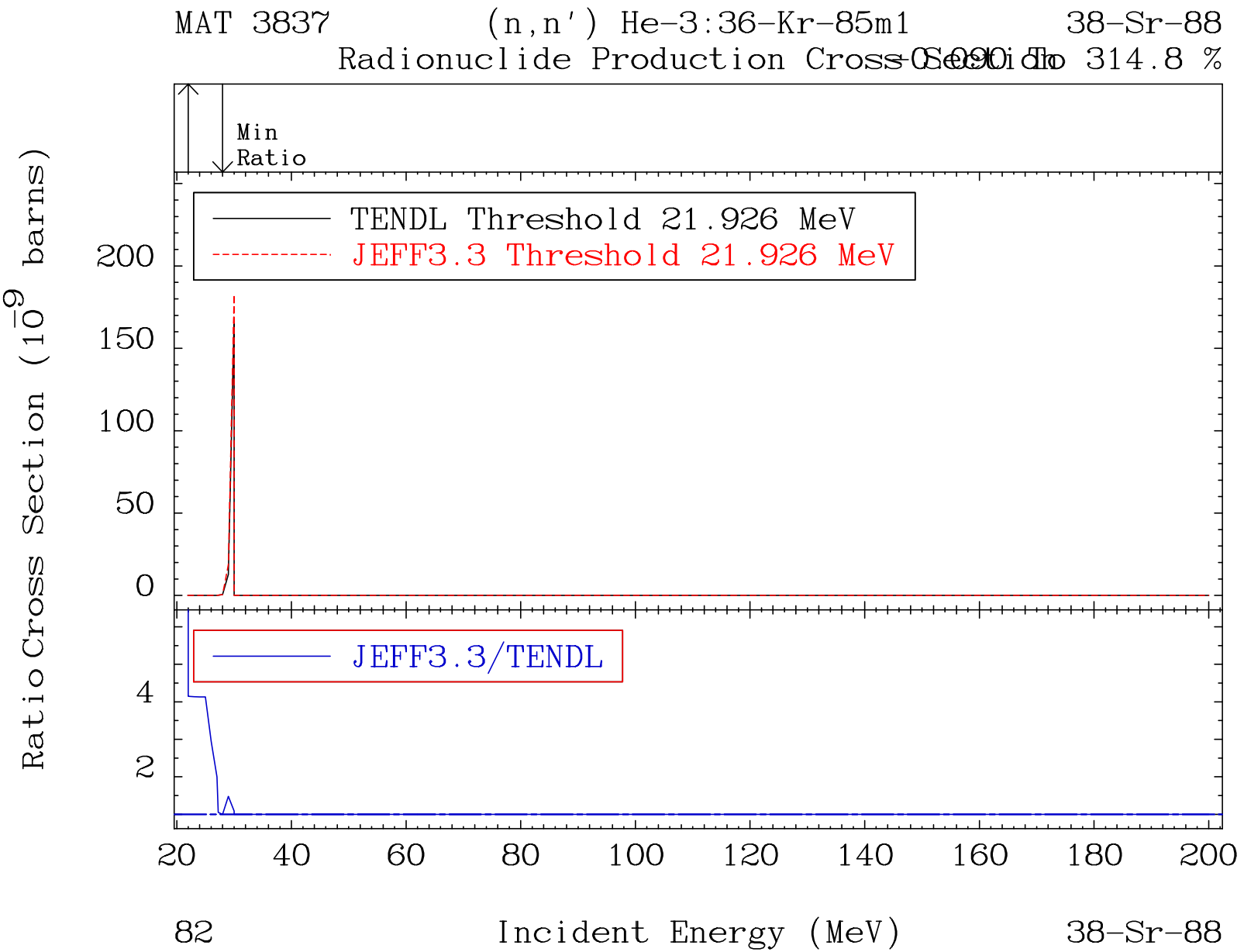

MAT 3837
(n,2n) α:36-Kr-83g
38-Sr-88
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 18.639 MeV
JEFF3.3 Threshold 18.639 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
77
Incident Energy (eV)
38-Sr-88

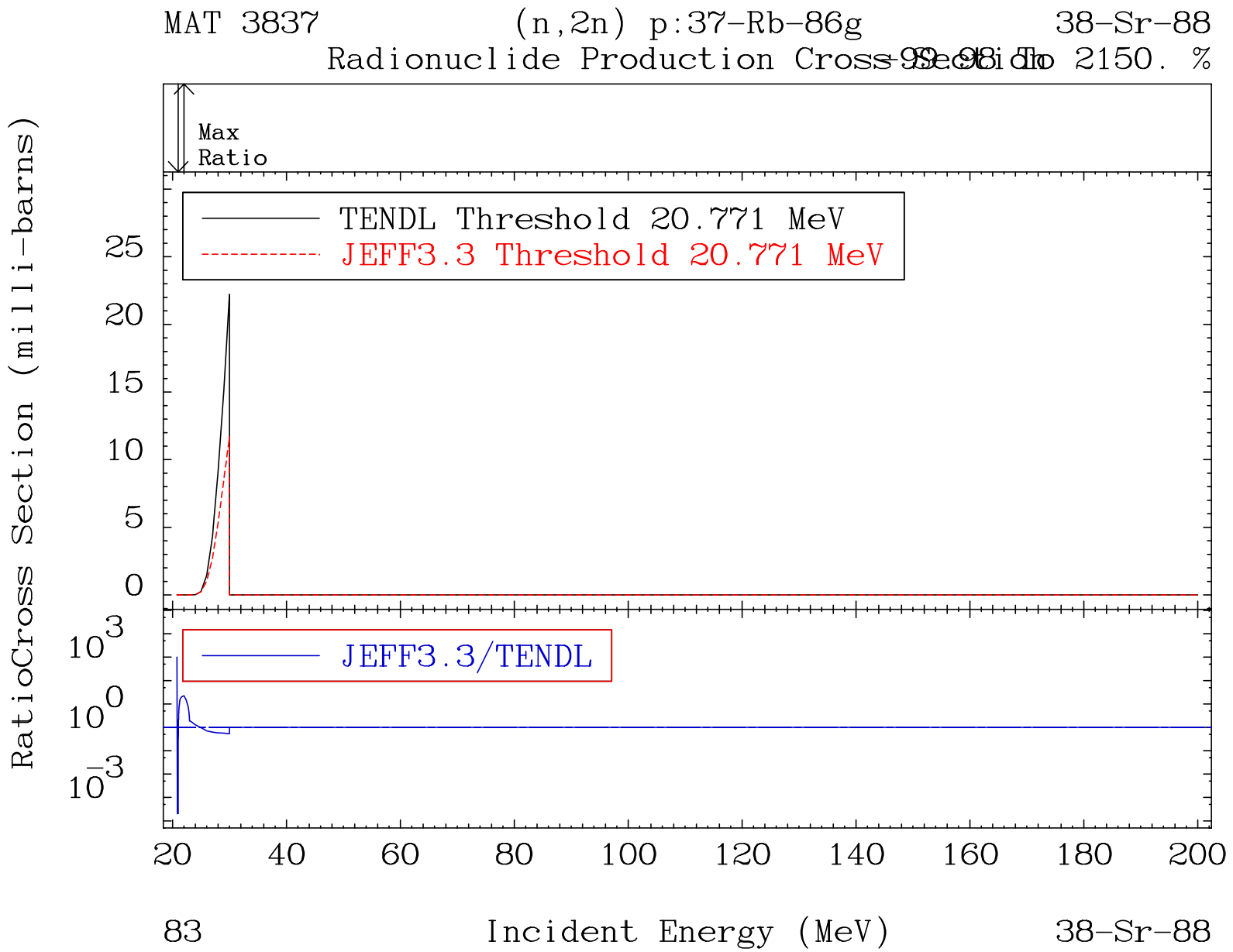

MAT 3837
(n,2n) α:36-Kr-83m2
38-Sr-88
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 18.681 MeV
JEFF3.3 Threshold 21.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
9
2
10^8
78
Incident Energy (eV)
38-Sr-88

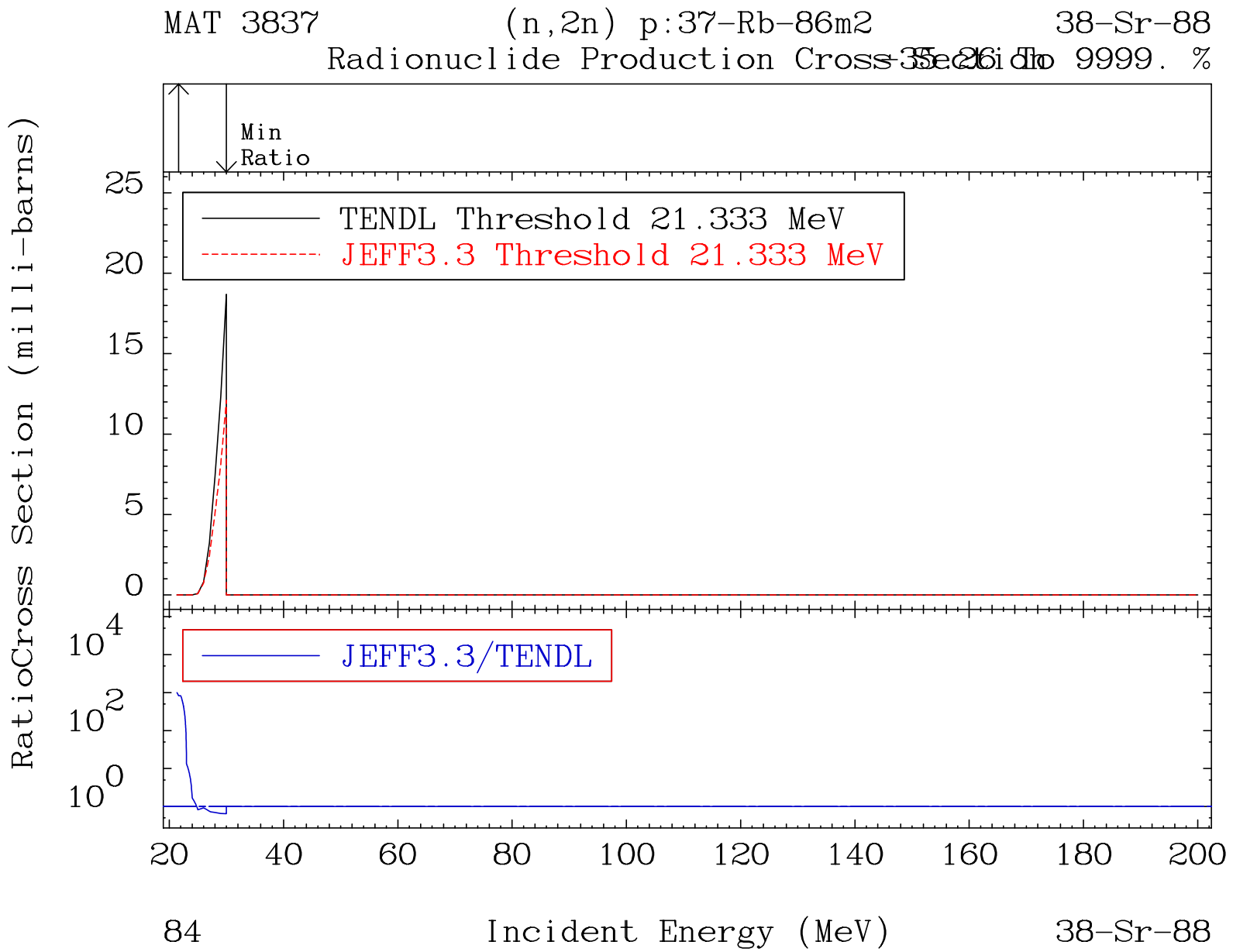

MAT 3837
(n,n') d:37-Rb-86g
38-Sr-88
Radionuclide Production Cross Section To 53.20 %
Max Ratio
Min Ratio
TENDL Threshold 18.520 MeV
JEFF3.3 Threshold 18.520 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
79
38-Sr-88

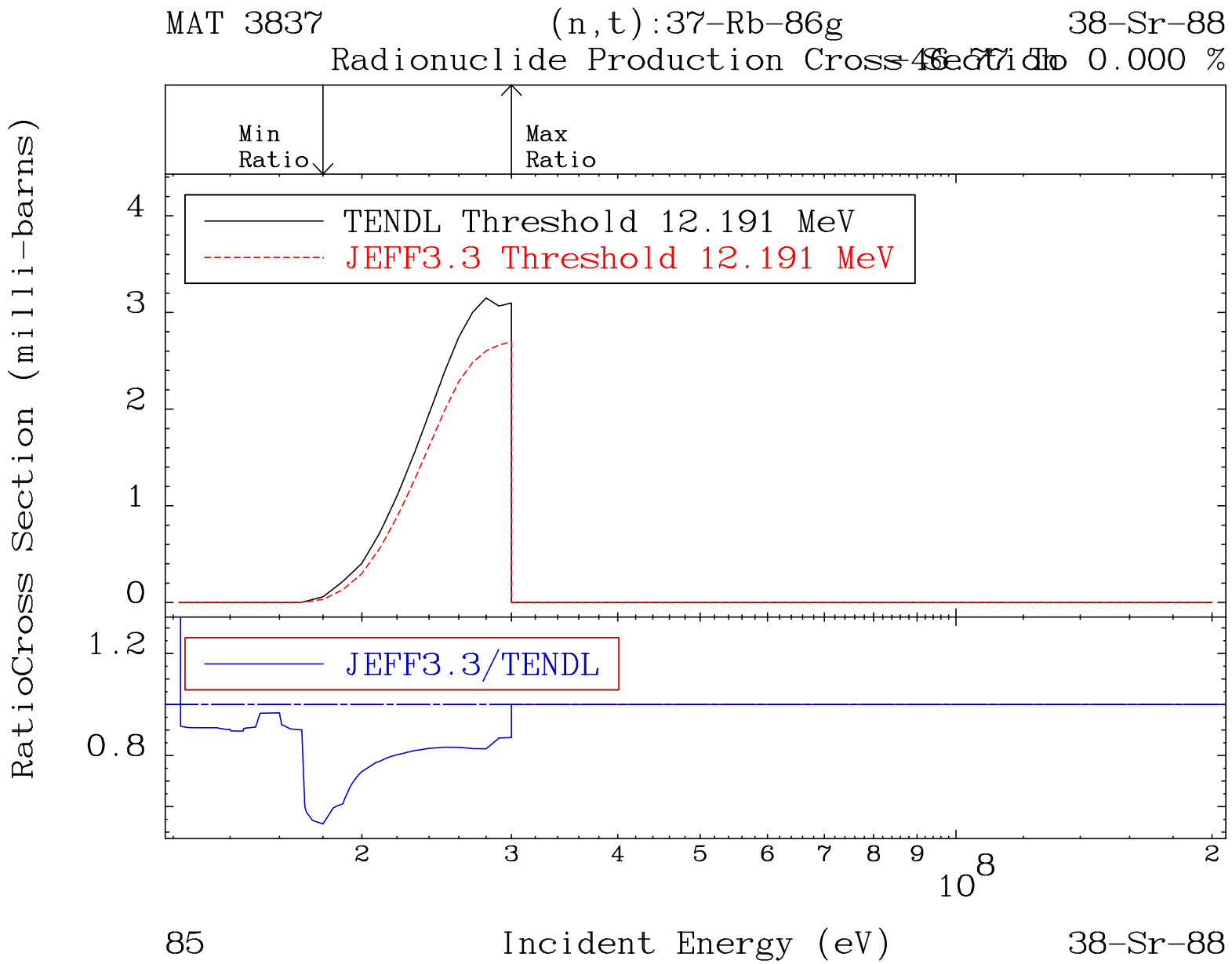

MAT 3837 (n,n') d:37-Rb-86m2 38-Sr-88
Radionuclide Production Cross Section To 4021. %
Max Ratio
Min Ratio
TENDL Threshold 19.083 MeV
JEFF3.3 Threshold 19.083 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
80
38-Sr-88

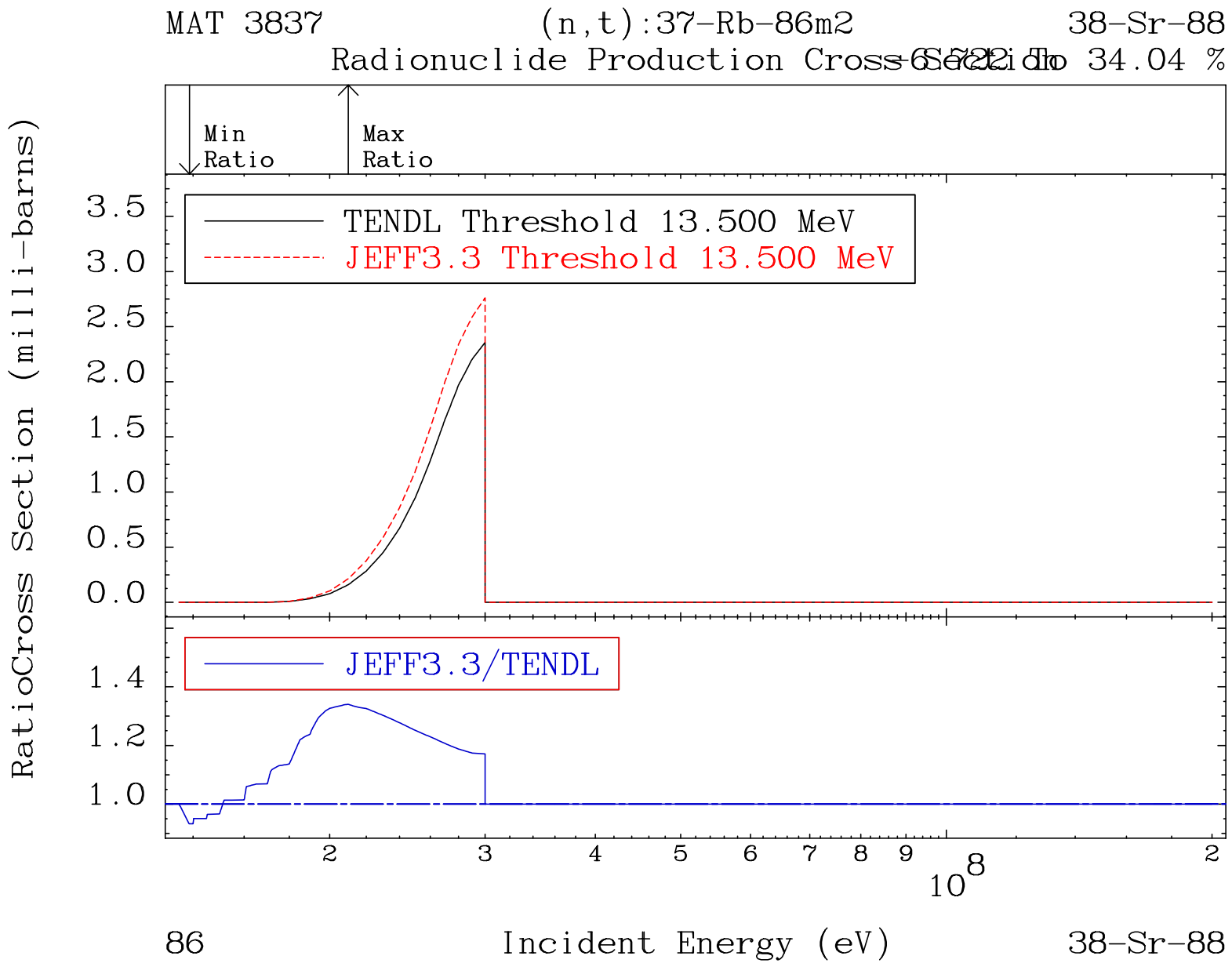

MAT 3837
(n,n') He-3:36-Kr-85g
38-Sr-88
Radionuclide Production Cross Section
Min
Ratio
TENDL Threshold 21.618 MeV
JEFF3.3 Threshold 21.618 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
2.5
2.0
1.5
1.0
0.5
0.0
3.0
2.0
1.0
20
40
60
80
100
120
140
160
180
200
81
Incident Energy (MeV)
38-Sr-88

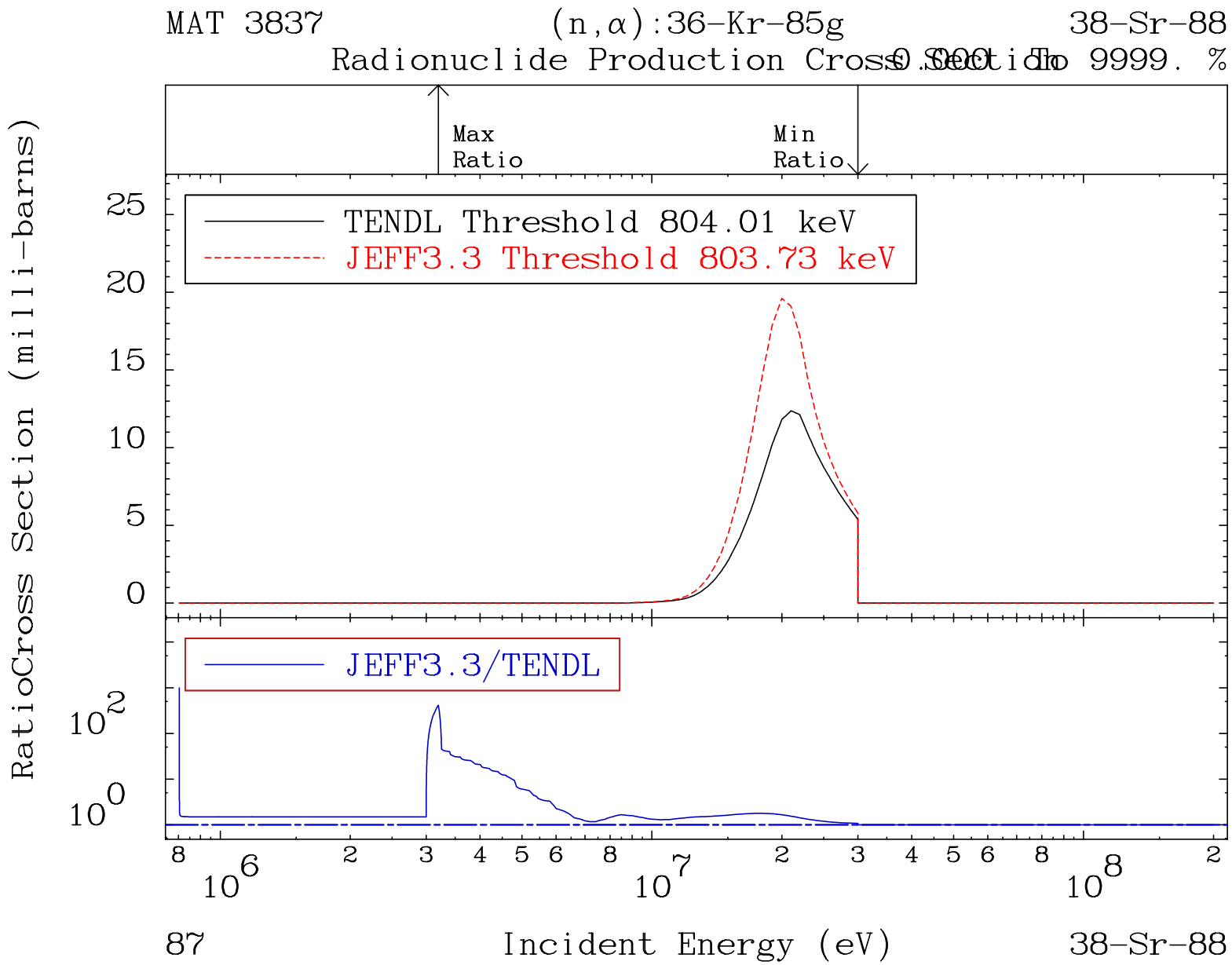

MAT 3837
(n,n') He-3:36-Kr-85m1
38-Sr-88
Radionuclide Production Cross Section
Min
Ratio
TENDL Threshold 21.926 MeV
JEFF3.3 Threshold 21.926 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
200
150
100
50
0
4
2
20
40
60
80
100
120
140
160
180
200
82
Incident Energy (MeV)
38-Sr-88

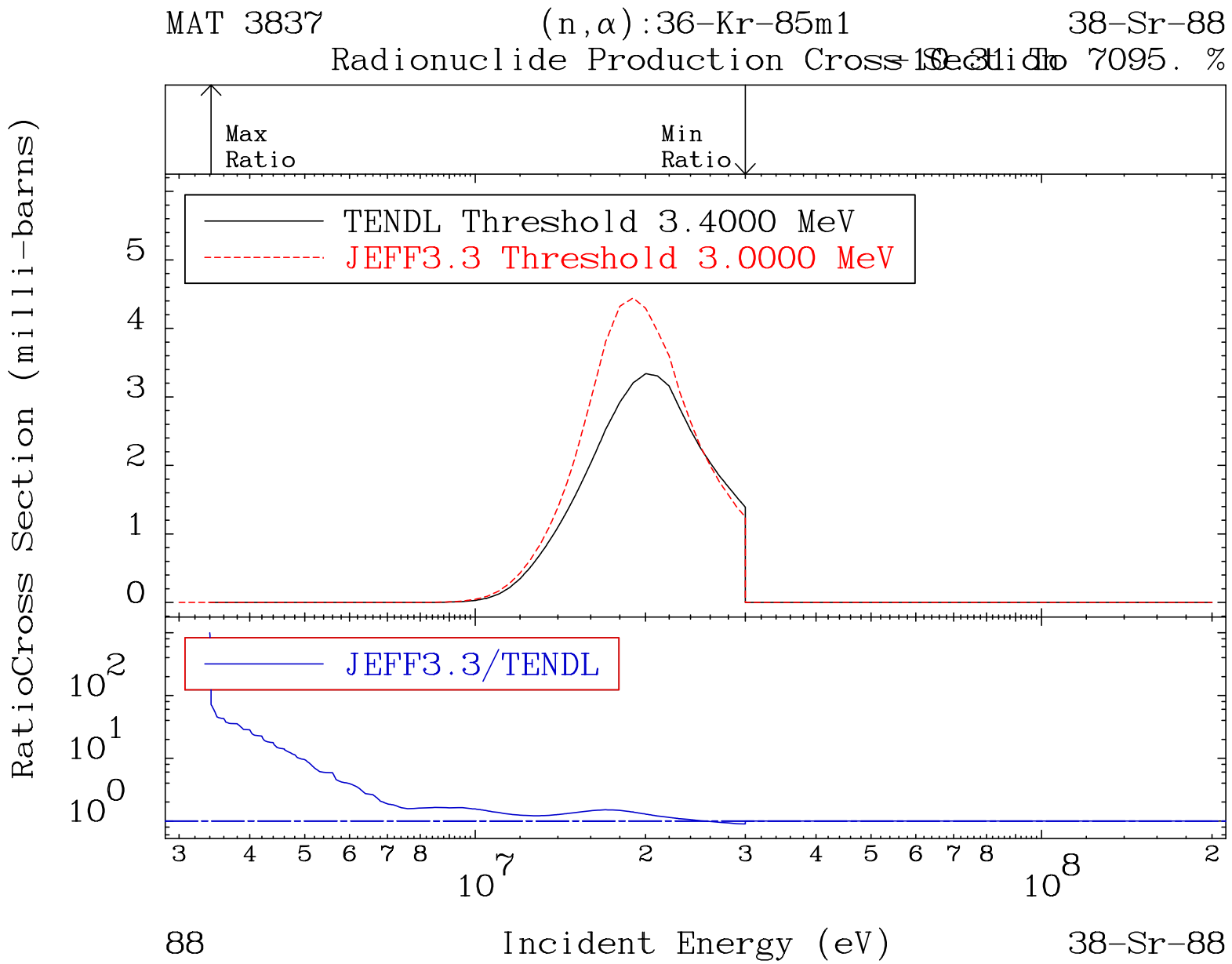

MAT 3837
(n,2n) p:37-Rb-86g
38-Sr-88
Radionuclide Production Cross Section To 2150. %
Max
Ratio
TENDL Threshold 20.771 MeV
JEFF3.3 Threshold 20.771 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
10^3
10^0
10^-3
20
40
60
80
100
120
140
160
180
200
83
Incident Energy (MeV)
38-Sr-88

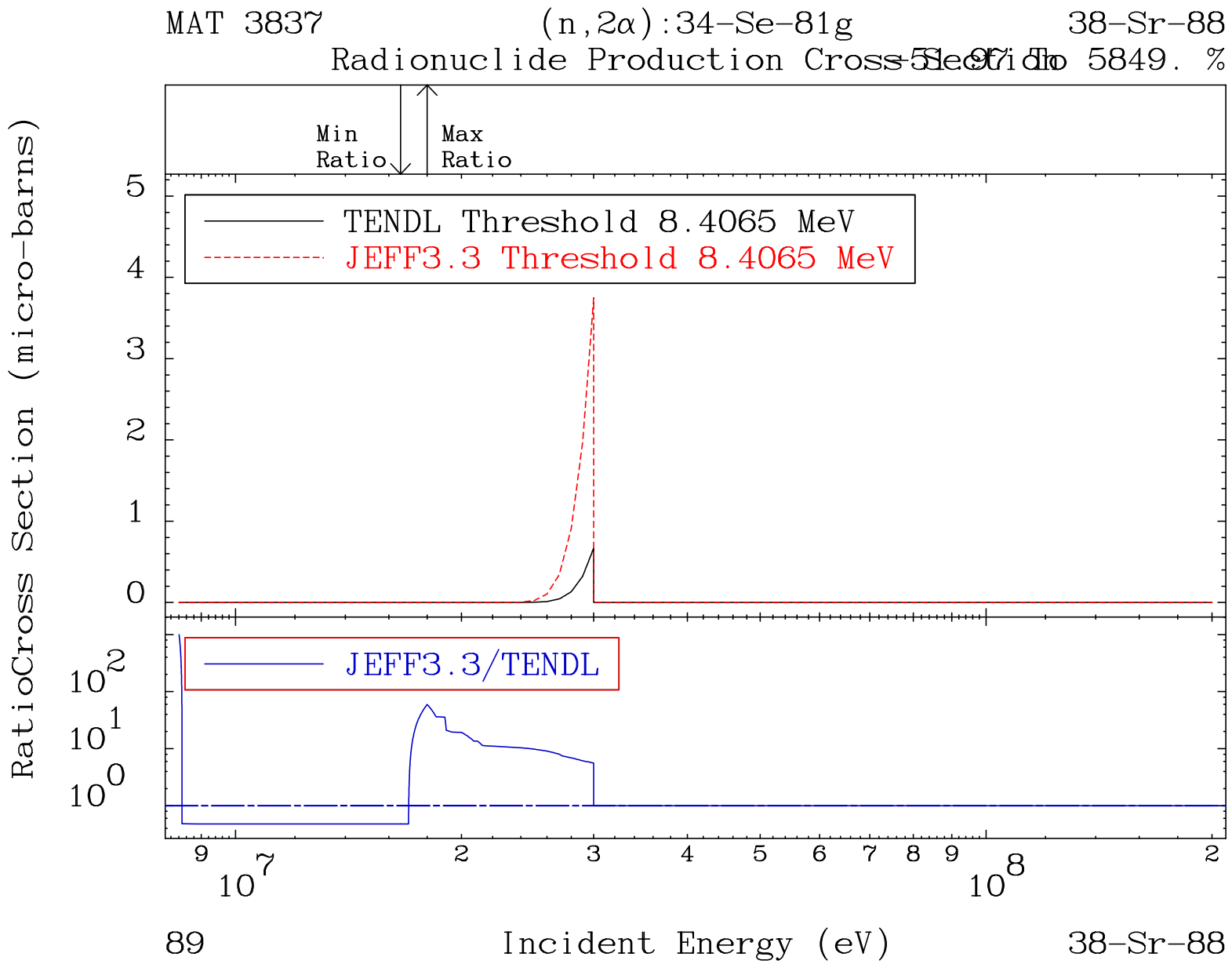

MAT 3837
(n,2n) p:37-Rb-86m2
38-Sr-88
Radionuclide Production Cross Section To 9999. %
Min
Ratio
TENDL Threshold 21.333 MeV
JEFF3.3 Threshold 21.333 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (MeV)
84
38-Sr-88

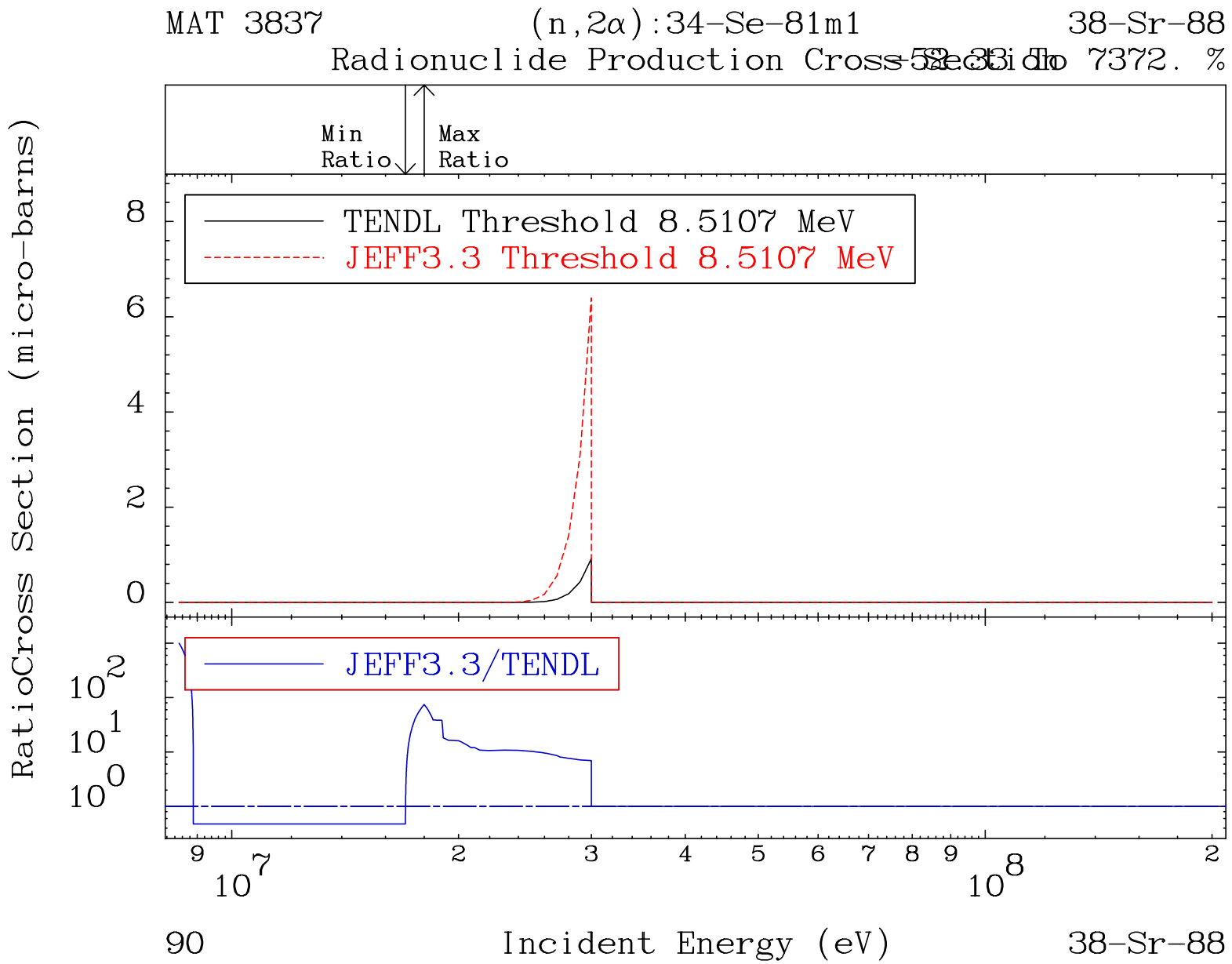

MAT 3837
(n,t):37-Rb-86g
38-Sr-88
Radionuclide Production Cross-Section
Min Ratio
Max Ratio
TENDL Threshold 12.191 MeV
JEFF3.3 Threshold 12.191 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
85
38-Sr-88

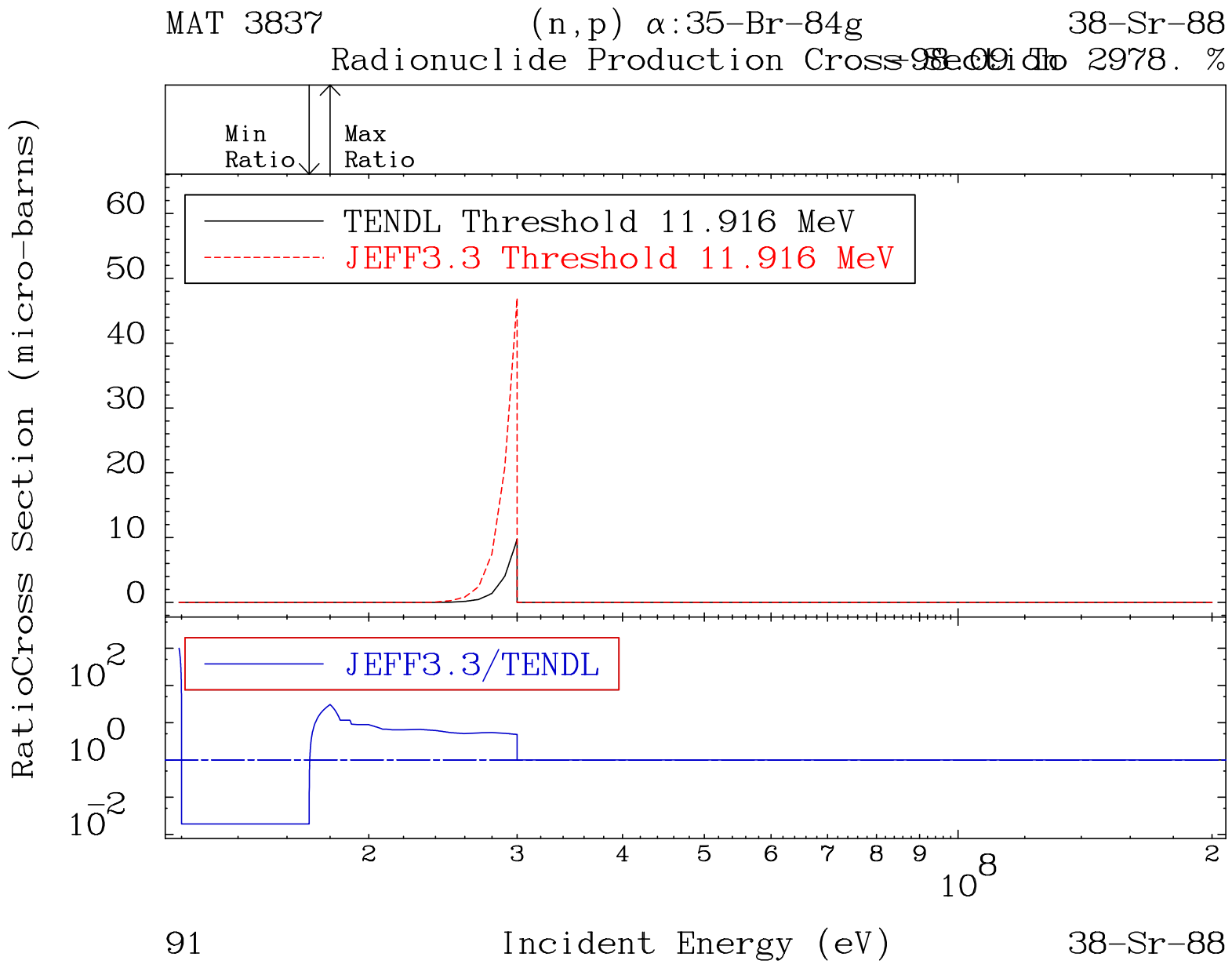

MAT 3837
(n,t):37-Rb-86m2
38-Sr-88
Radionuclide Production Cross Section To 34.04 %
Min Ratio
Max Ratio
TENDL Threshold 13.500 MeV
JEFF3.3 Threshold 13.500 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.4
1.2
1.0
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
38-Sr-88

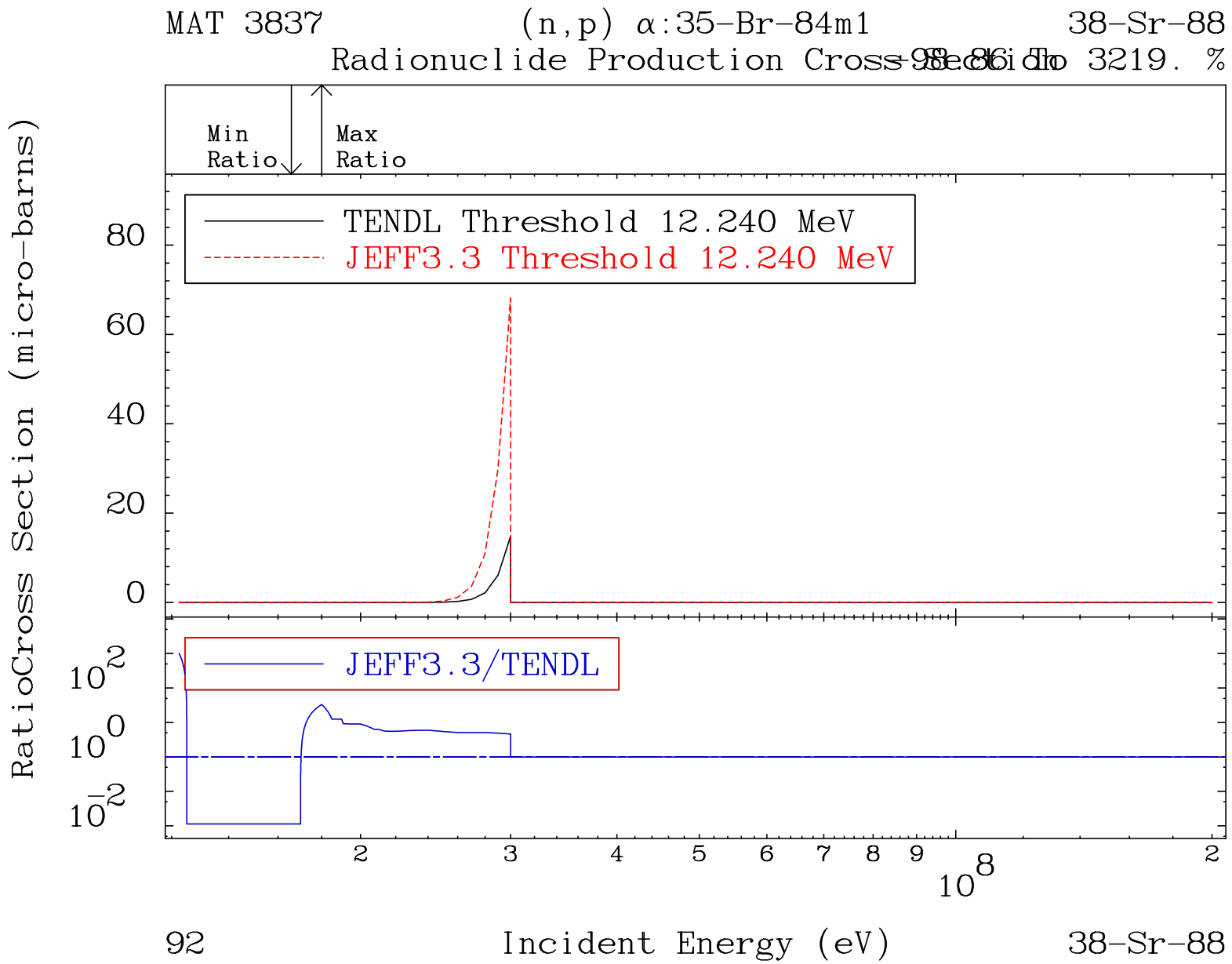

MAT 3837
(n,α):36-Kr-85g
38-Sr-88
Radionuclide Production Cross Section
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 804.01 keV
JEFF3.3 Threshold 803.73 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
87
38-Sr-88

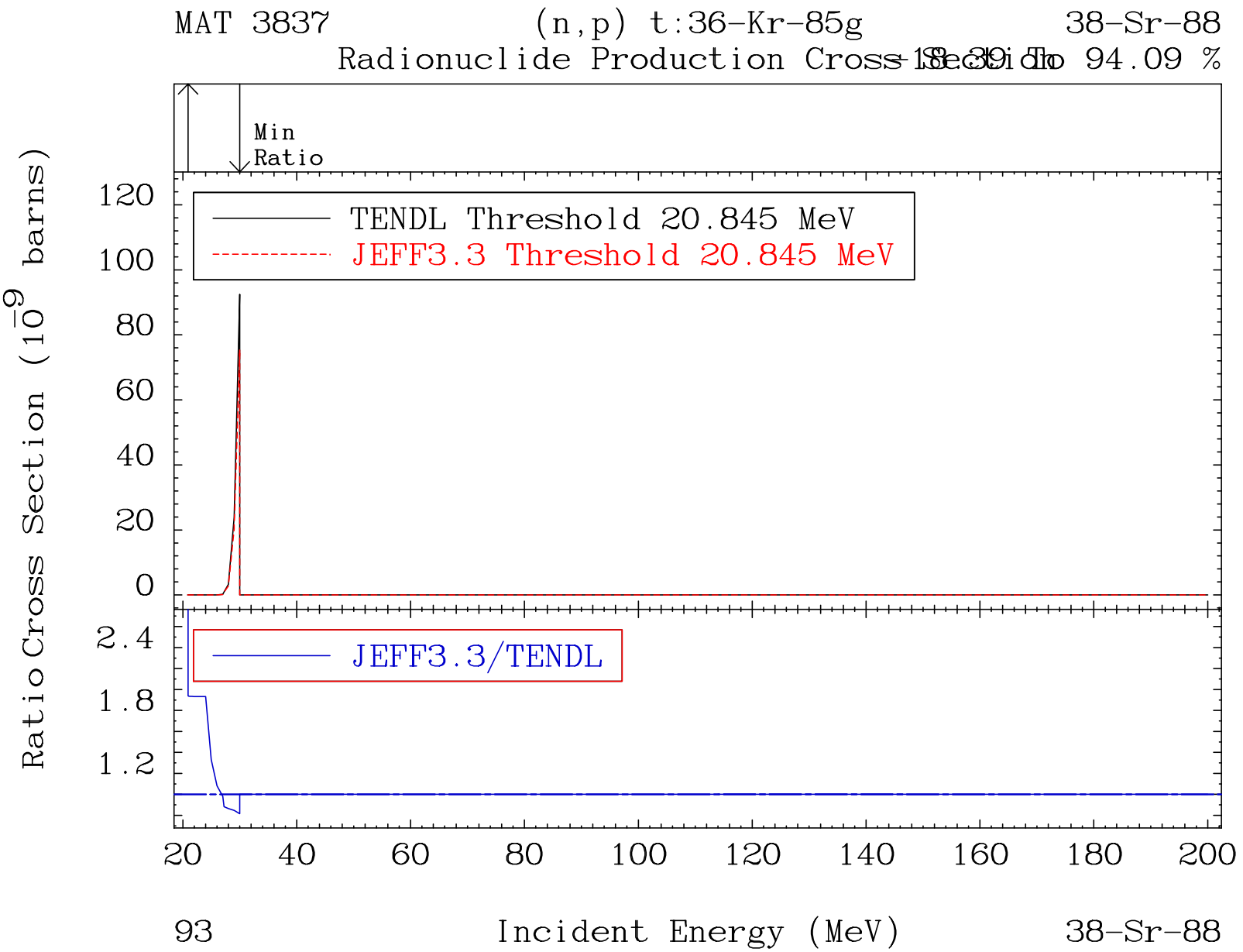

MAT 3837
(n,α):36-Kr-85m1
38-Sr-88
Radionuclide Production Cross Section To 7095. %
Max Ratio
Min Ratio
TENDL Threshold 3.4000 MeV
JEFF3.3 Threshold 3.0000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
88
38-Sr-88

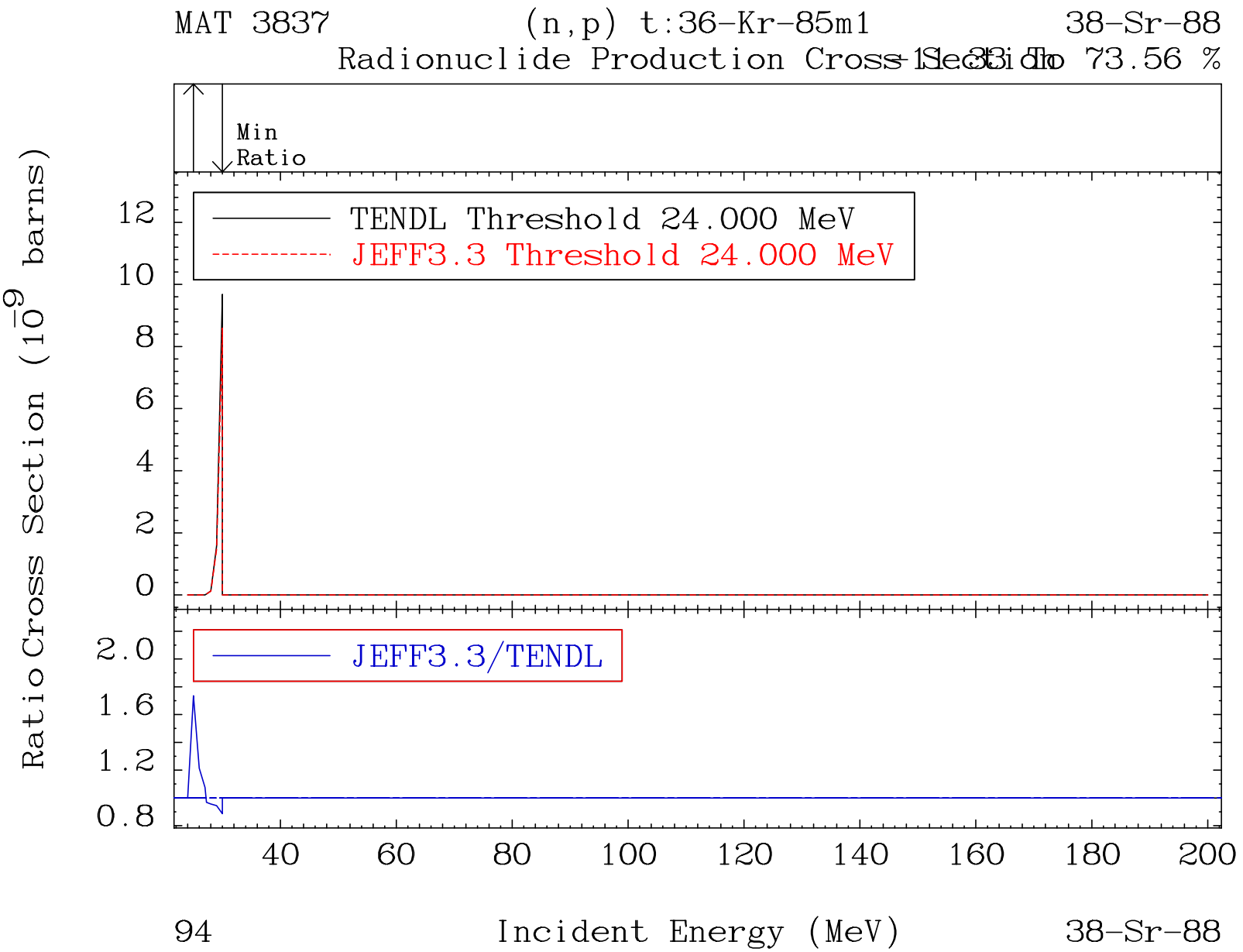

MAT 3837
(n,2α):34-Se-81g
38-Sr-88
Radionuclide Production Cross Section To 5849. %
Min Ratio
Max Ratio
TENDL Threshold 8.4065 MeV
JEFF3.3 Threshold 8.4065 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
89
38-Sr-88


MAT 3837
(n,2α):34-Se-81m1
38-Sr-88
Radionuclide Production Cross Section To 7372. %
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)
90
38-Sr-88


MAT 3837
(n,p) α:35-Br-84g
38-Sr-88
Radionuclide Production Cross Section To 2978. %
Min Ratio
Max Ratio
TENDL Threshold 11.916 MeV
JEFF3.3 Threshold 11.916 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
91
38-Sr-88


MAT 3837
(n,p) α:35-Br-84m1
38-Sr-88
Radionuclide Production Cross Section To 3219. %
Min Ratio
Max Ratio
TENDL Threshold 12.240 MeV
JEFF3.3 Threshold 12.240 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
80
60
40
20
0
10^2
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
92
Incident Energy (eV)
38-Sr-88


MAT 3837
(n,p) t:36-Kr-85g
38-Sr-88
Radionuclide Production Cross Section To 94.09 %
Min
Ratio
TENDL Threshold 20.845 MeV
JEFF3.3 Threshold 20.845 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
120
100
80
60
40
20
0
2.4
1.8
1.2
20
40
60
80
100
120
140
160
180
200
93
Incident Energy (MeV)
38-Sr-88


MAT 3837
(n,p) t:36-Kr-85m1
38-Sr-88
Radionuclide Production Cross Section To 73.56 %
Min
Ratio
TENDL Threshold 24.000 MeV
JEFF3.3 Threshold 24.000 MeV
JEFF3.3/TENDL
Ratio Cross Section ($10^{-9}$ barns)
12
10
8
6
4
2
0
2.0
1.6
1.2
0.8
40
60
80
100
120
140
160
180
200
94
Incident Energy (MeV)
38-Sr-88