Program Complot
(Version 2018-1)
by
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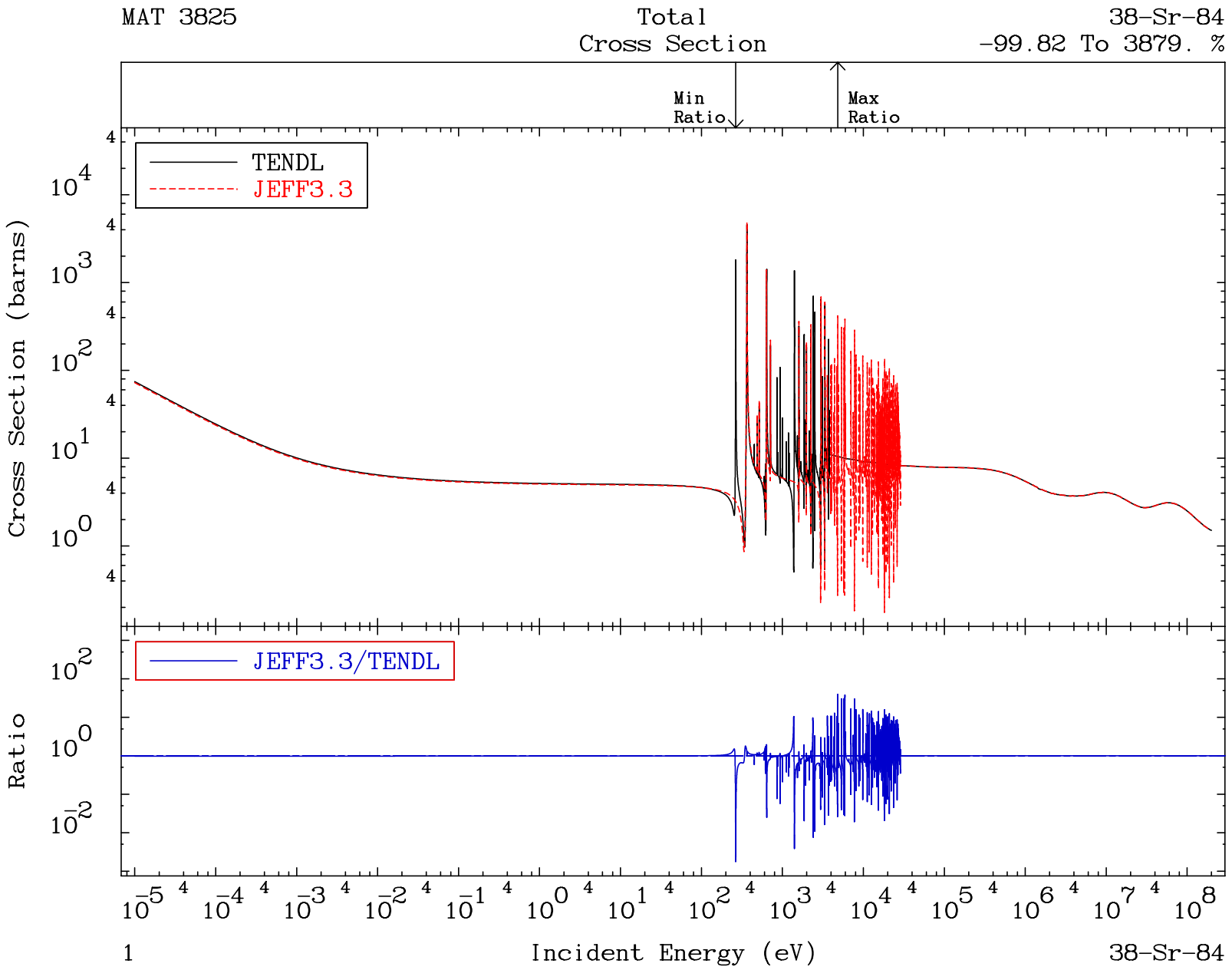
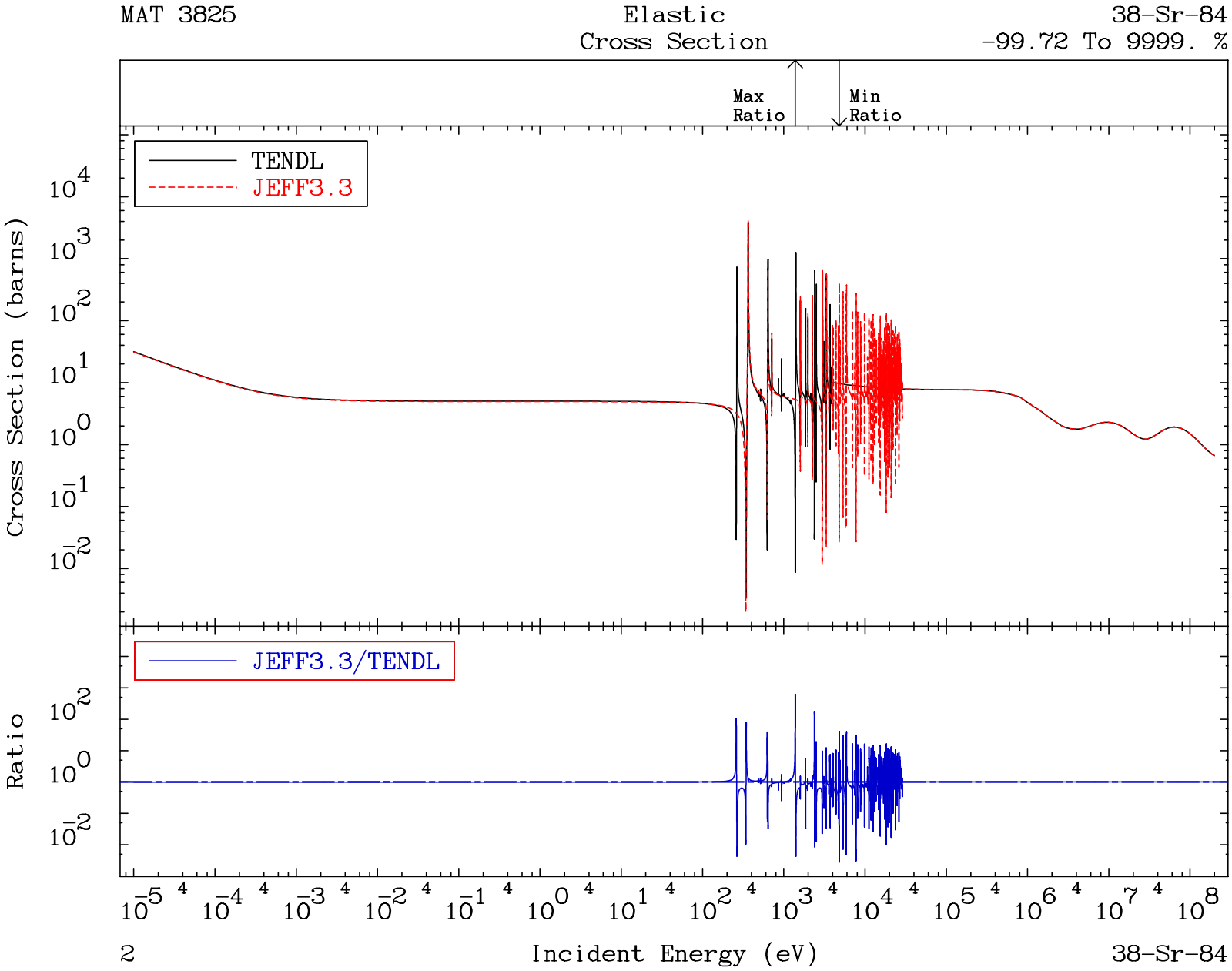
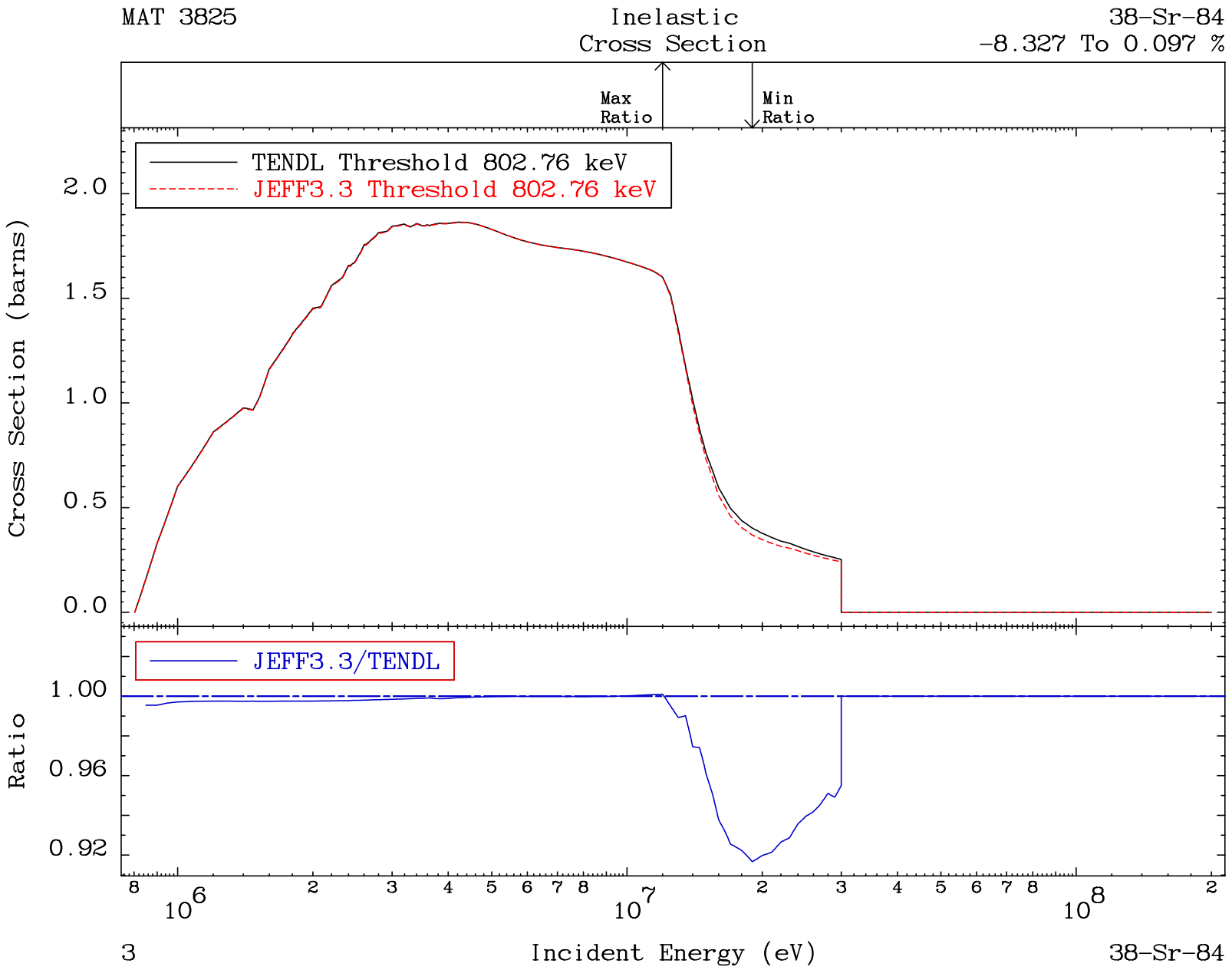
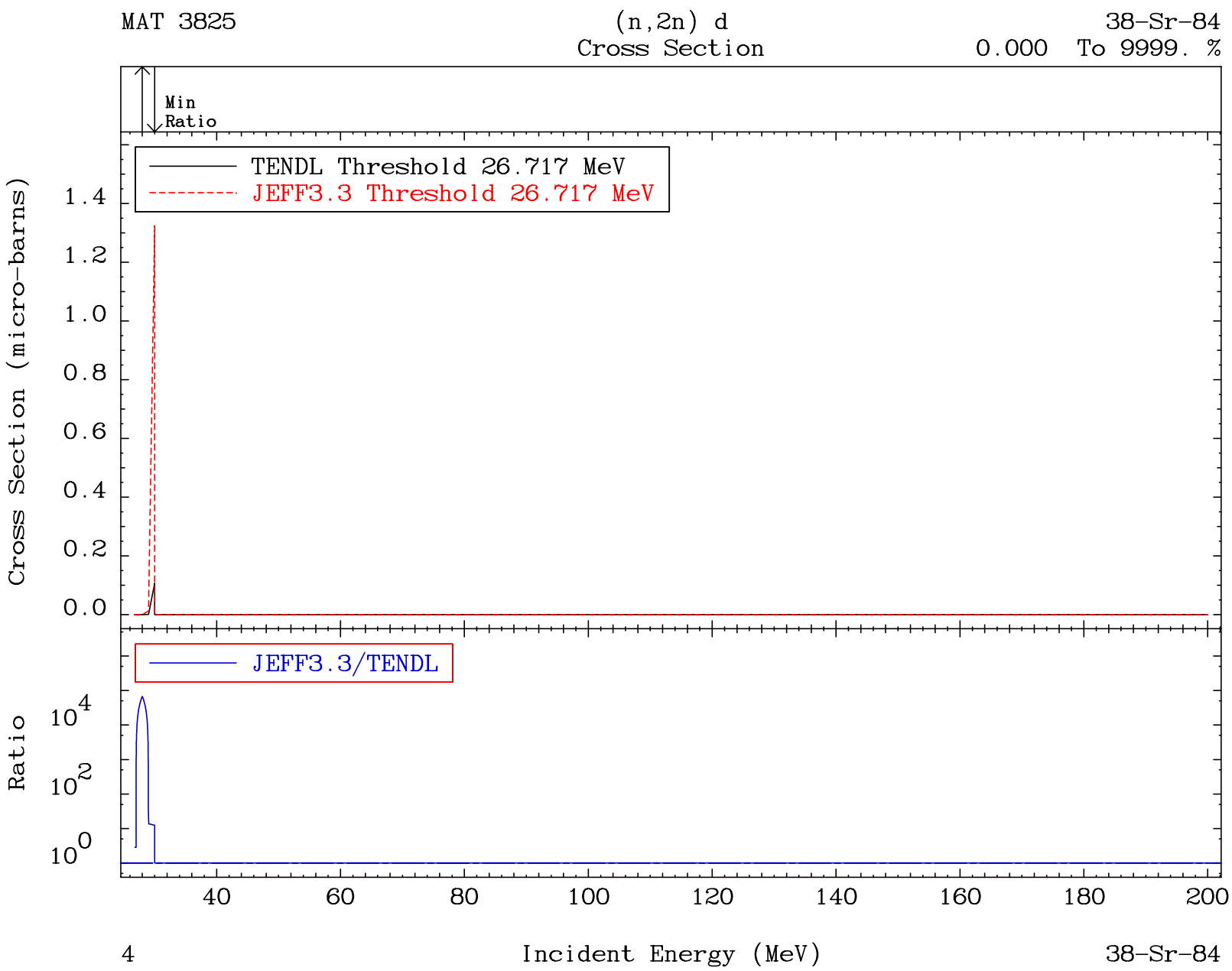
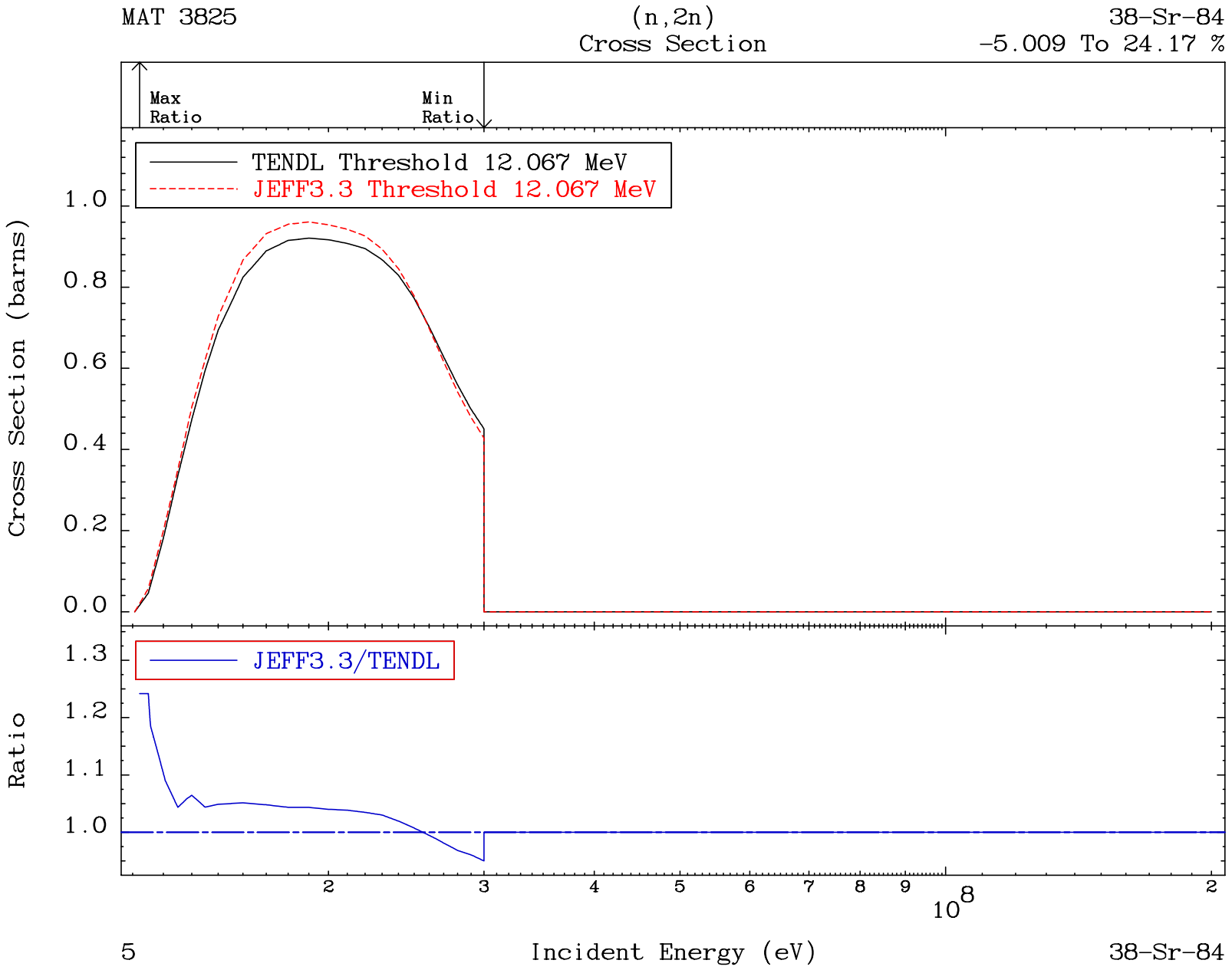
Press Mouse Button to Start

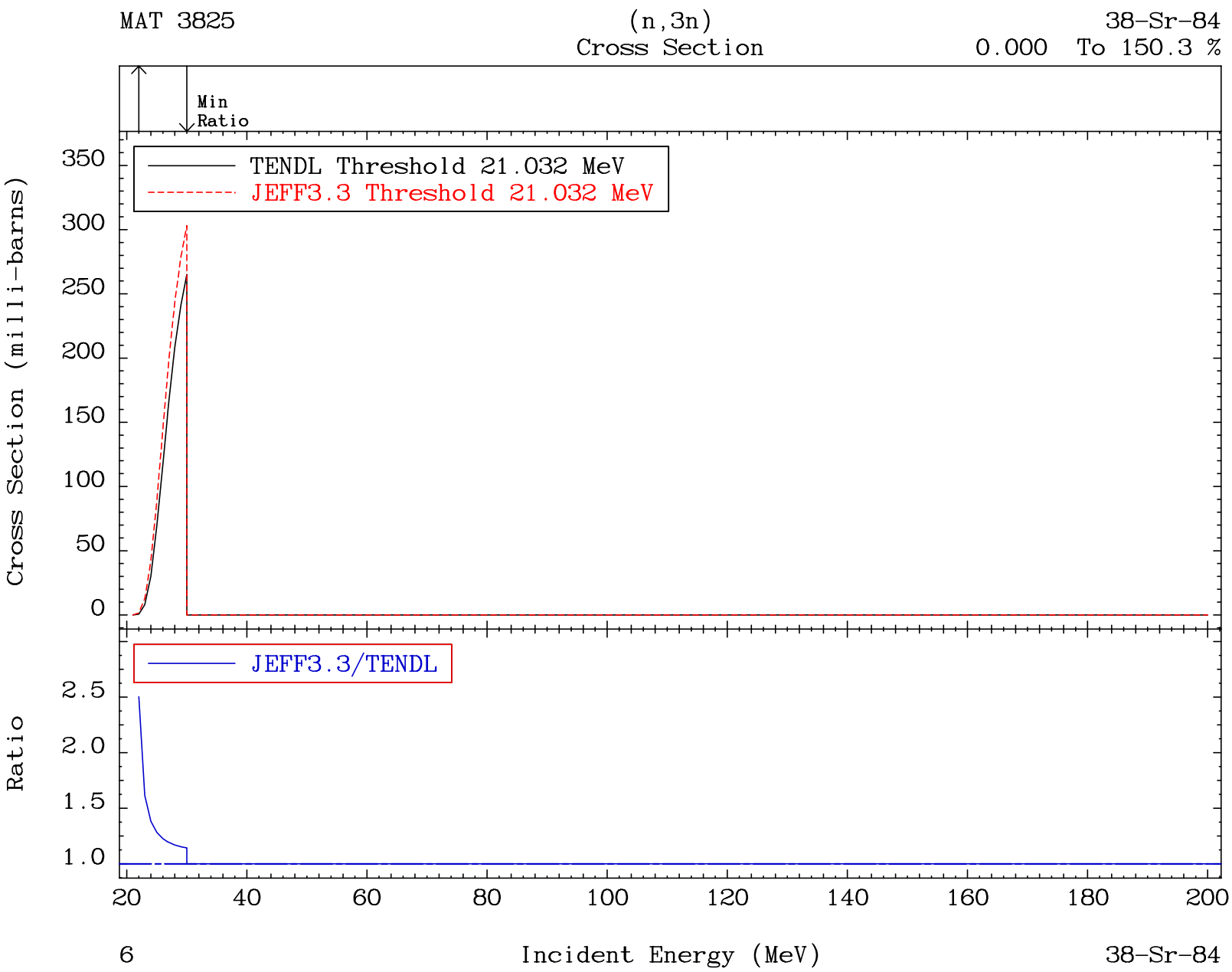

MAT 3825
Total
Cross Section
38-Sr-84
-99.82 To 3879. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
1
38-Sr-84

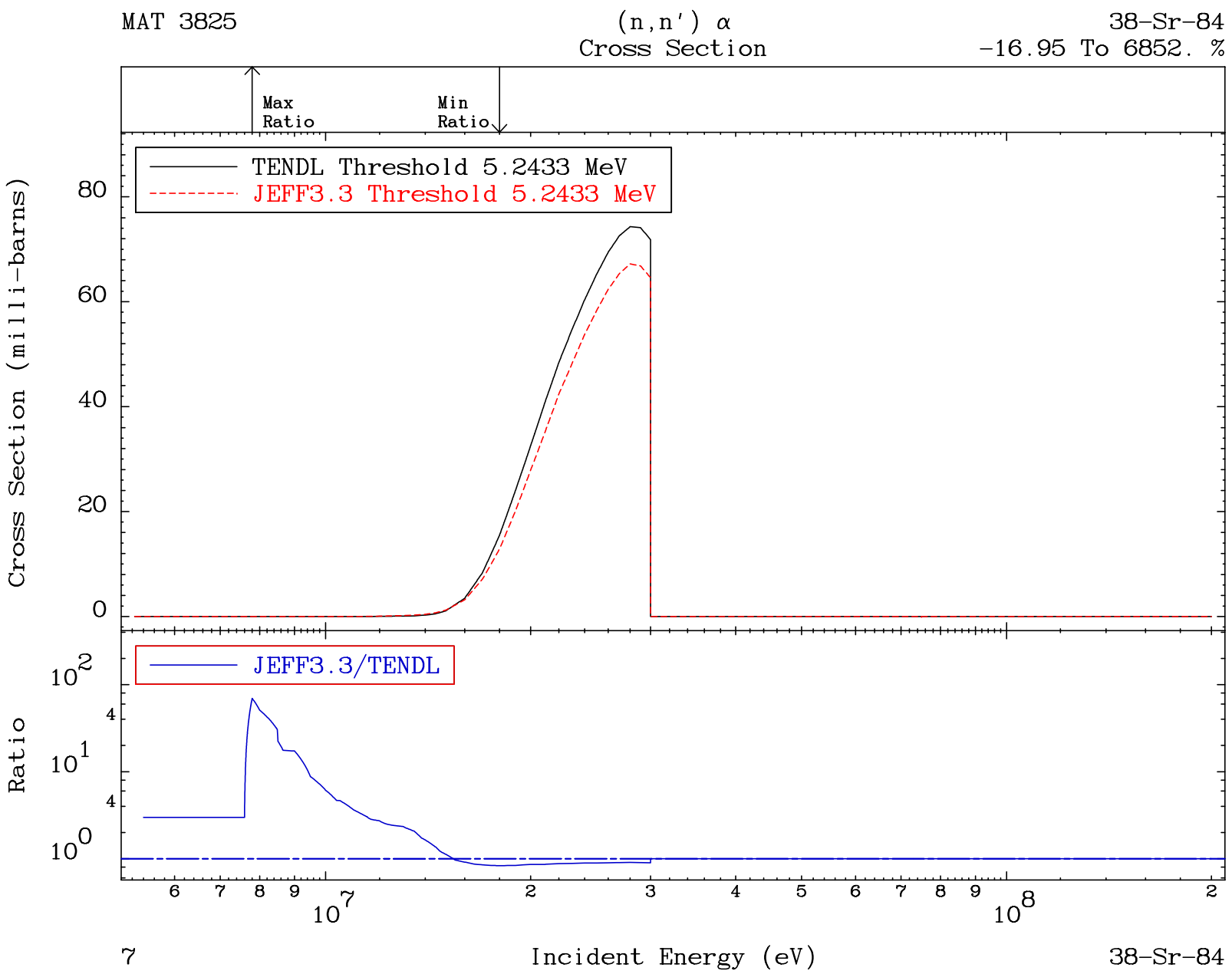

MAT 3825
Elastic
Cross Section
38-Sr-84
-99.72 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
2
38-Sr-84

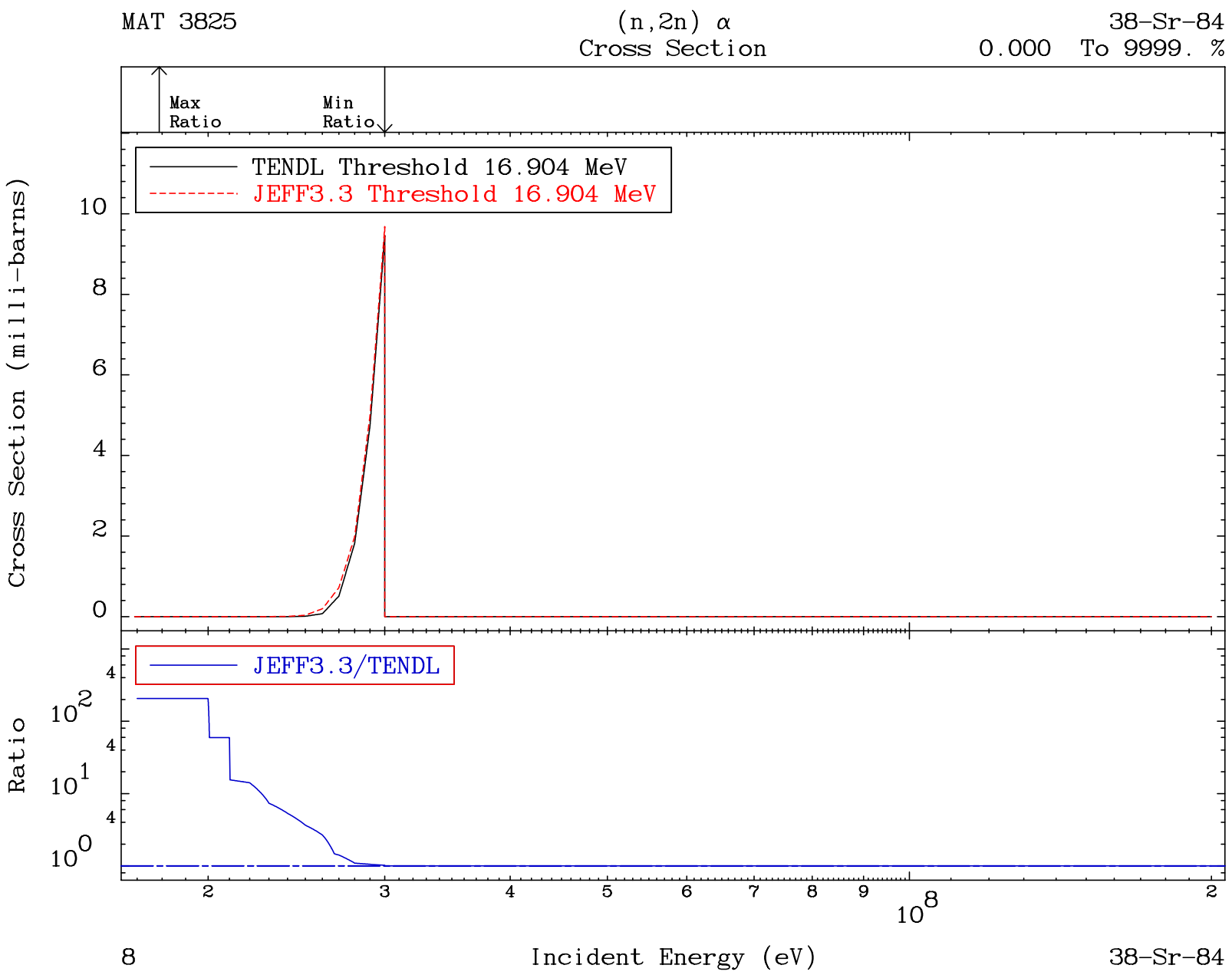

MAT 3825
Inelastic
Cross Section
38-Sr-84
-8.327 To 0.097 %
Max
Ratio
Min
Ratio
TENDL Threshold 802.76 keV
JEFF3.3 Threshold 802.76 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.00
0.96
0.92
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
3
Incident Energy (eV)
38-Sr-84

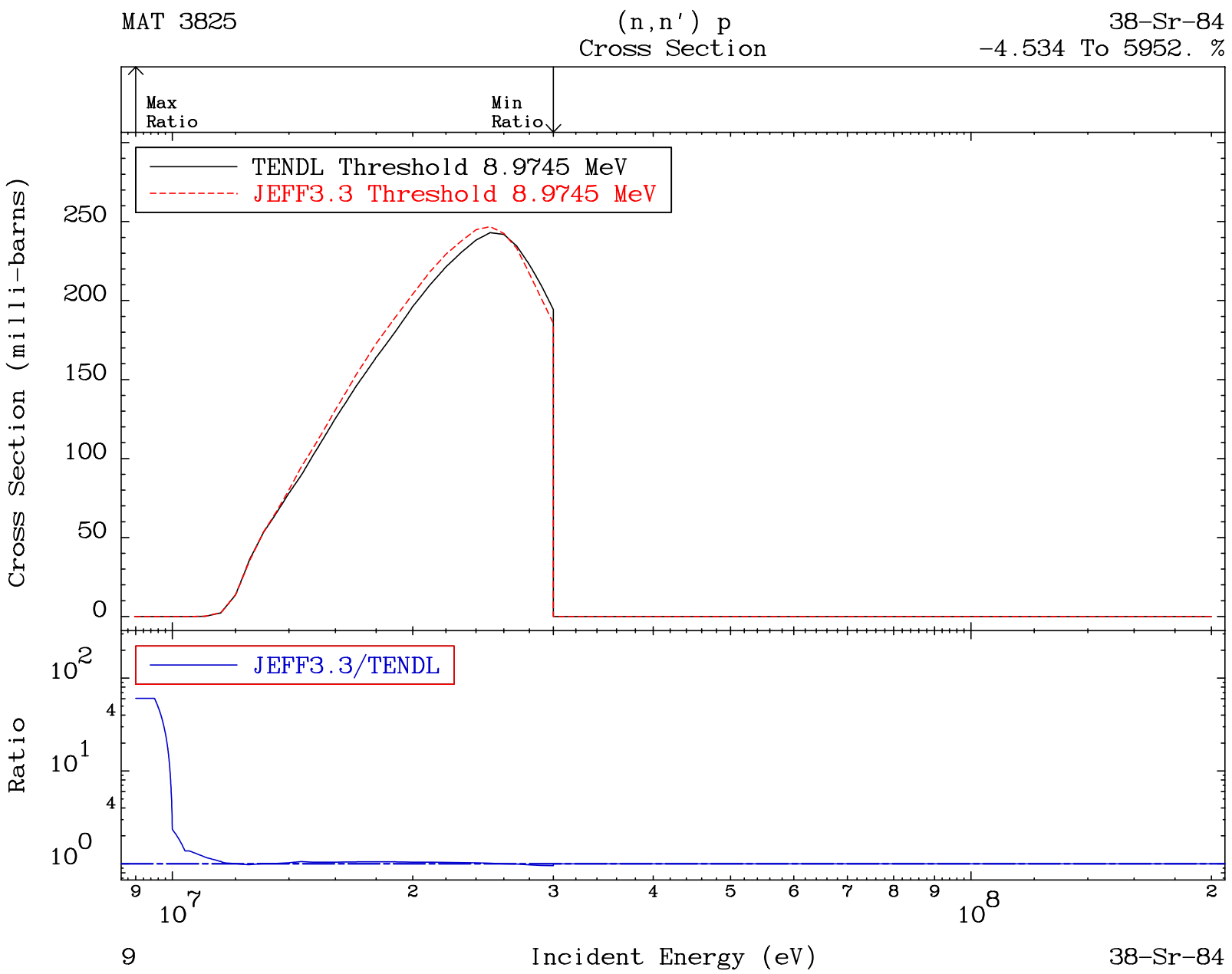

MAT 3825
(n,2n) d
Cross Section
38-Sr-84
0.000 To 9999. %
Min
Ratio
TENDL Threshold 26.717 MeV
JEFF3.3 Threshold 26.717 MeV
Cross Section (micro-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
10^4
10^2
10^0
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
38-Sr-84

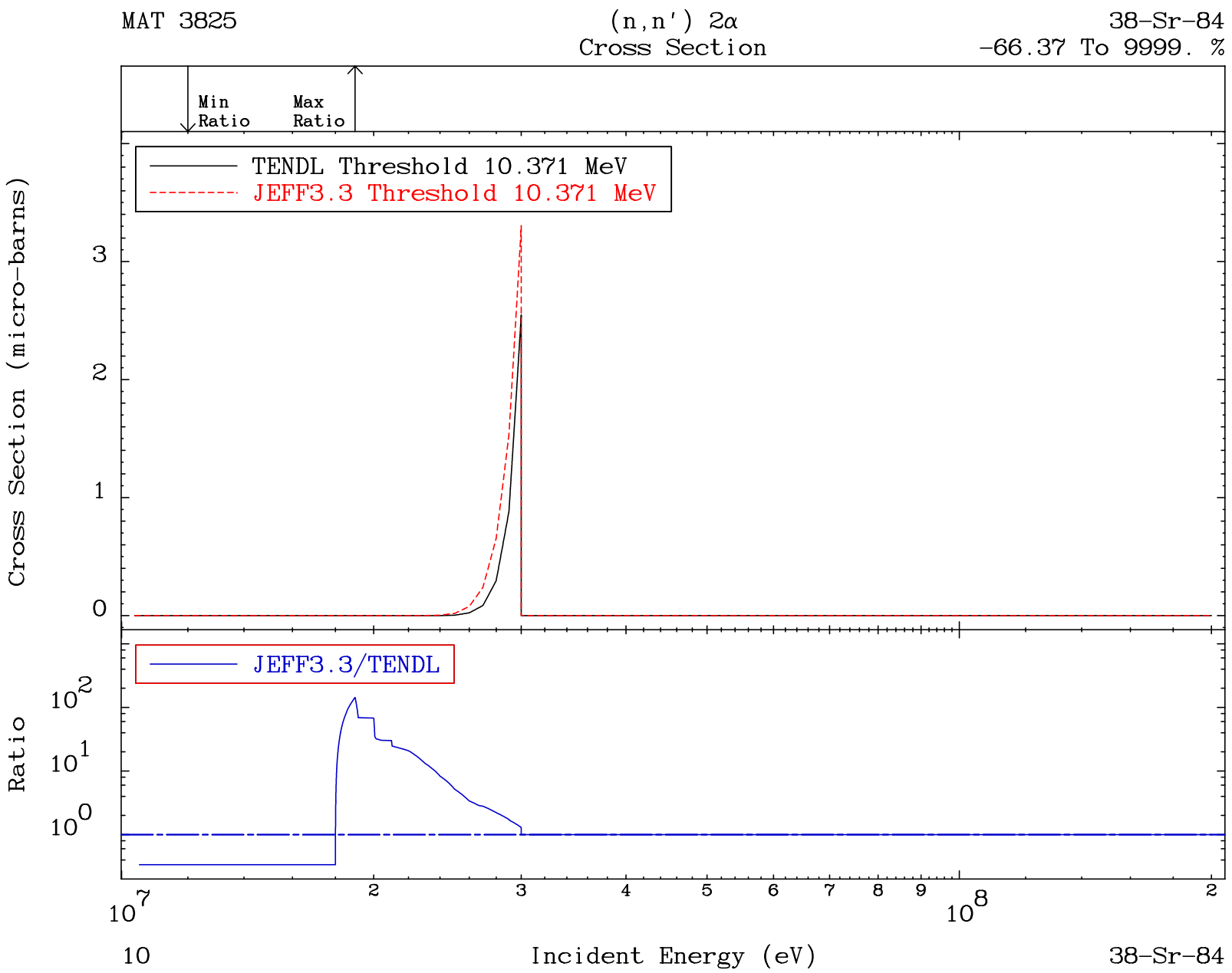

MAT 3825
(n,2n)
Cross Section
38-Sr-84
-5.009 To 24.17 %
Max Ratio
Min Ratio
TENDL Threshold 12.067 MeV
JEFF3.3 Threshold 12.067 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.3
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
38-Sr-84

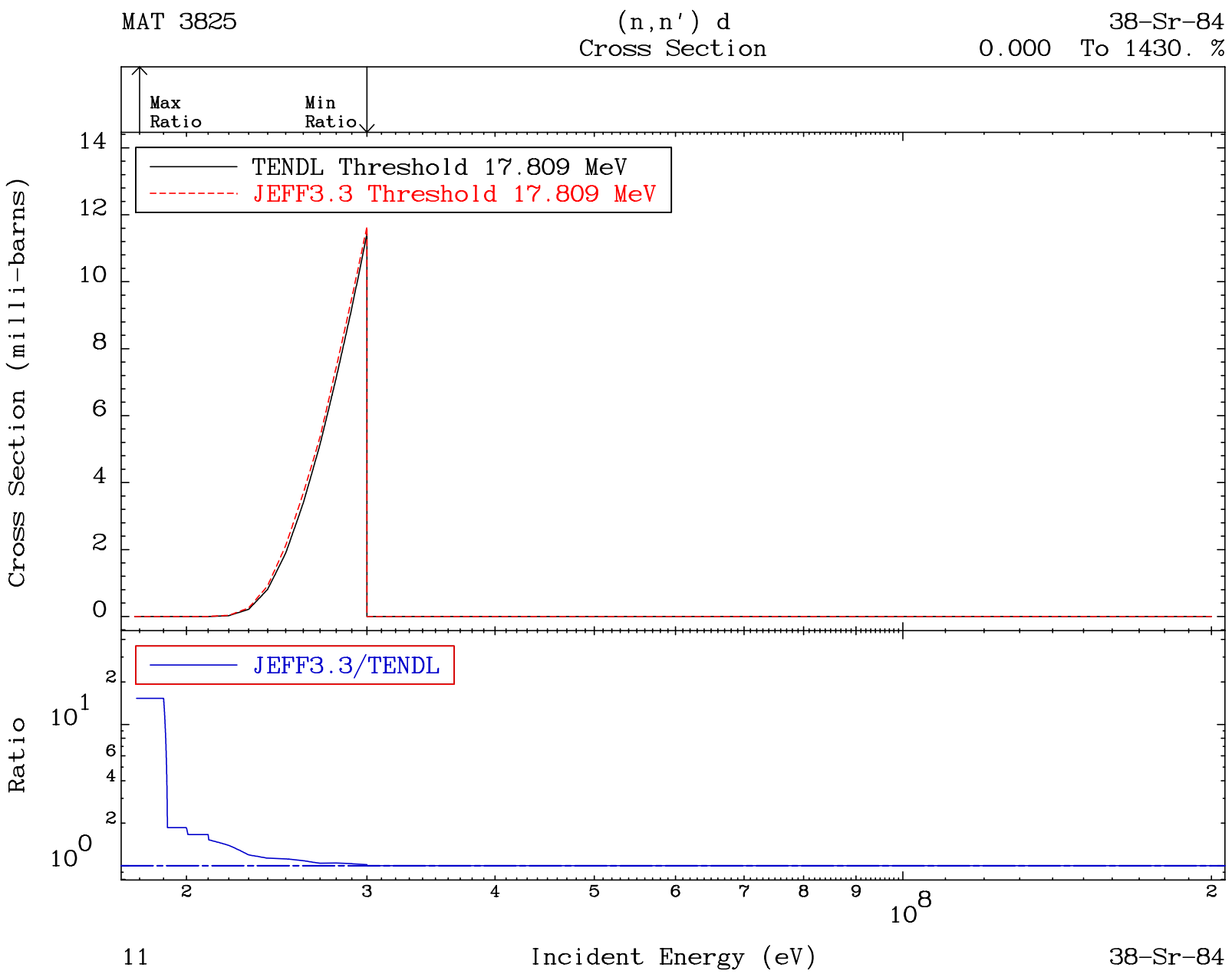

MAT 3825
(n,3n)
Cross Section
38-Sr-84
0.000 To 150.3 %
Min
Ratio
TENDL Threshold 21.032 MeV
JEFF3.3 Threshold 21.032 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
2.5
2.0
1.5
1.0
20
40
60
80
100
120
140
160
180
200
6
Incident Energy (MeV)
38-Sr-84

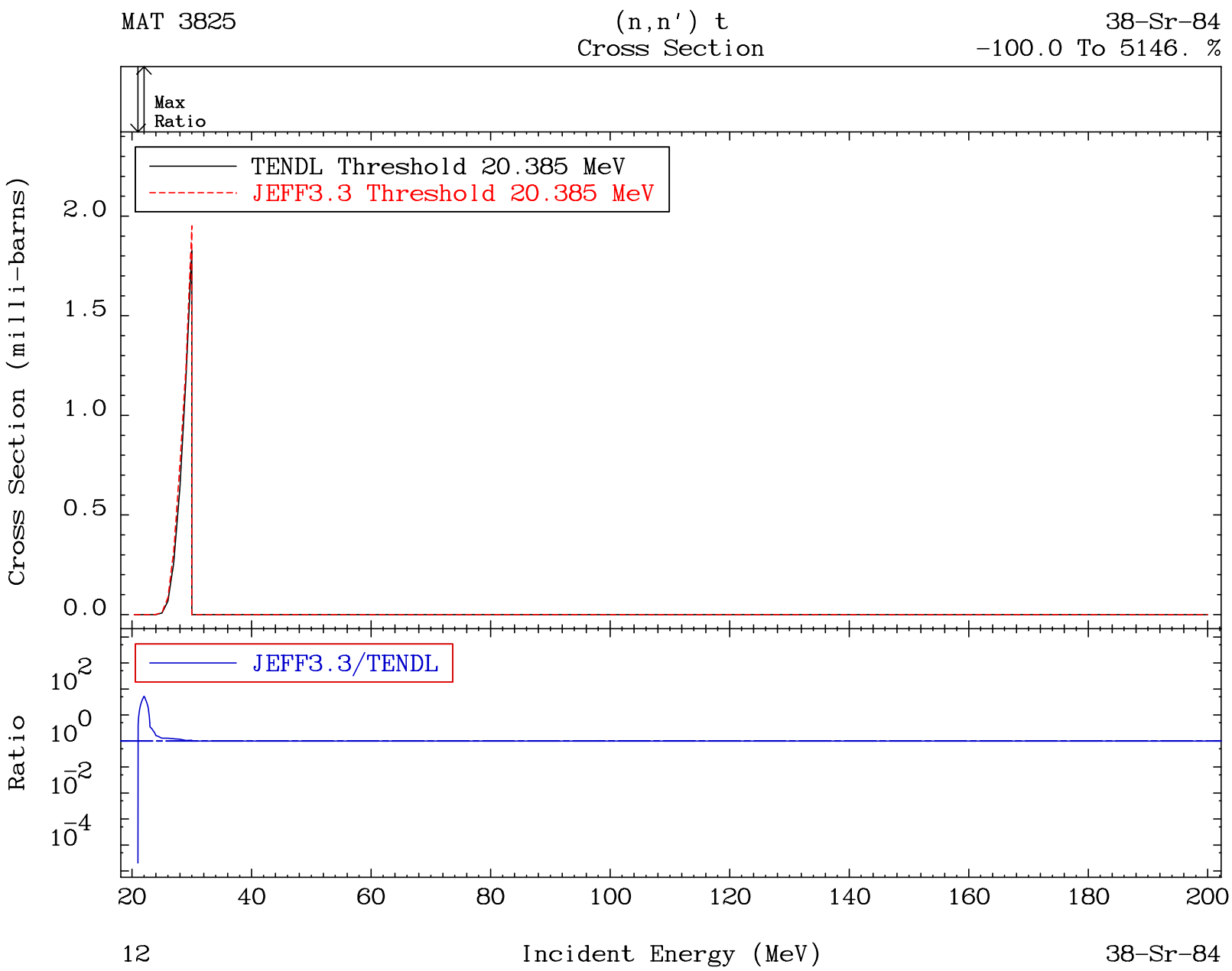

MAT 3825
(n,n') α
Cross Section
38-Sr-84
-16.95 To 6852. %
Max Ratio
Min Ratio
TENDL Threshold 5.2433 MeV
JEFF3.3 Threshold 5.2433 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
38-Sr-84

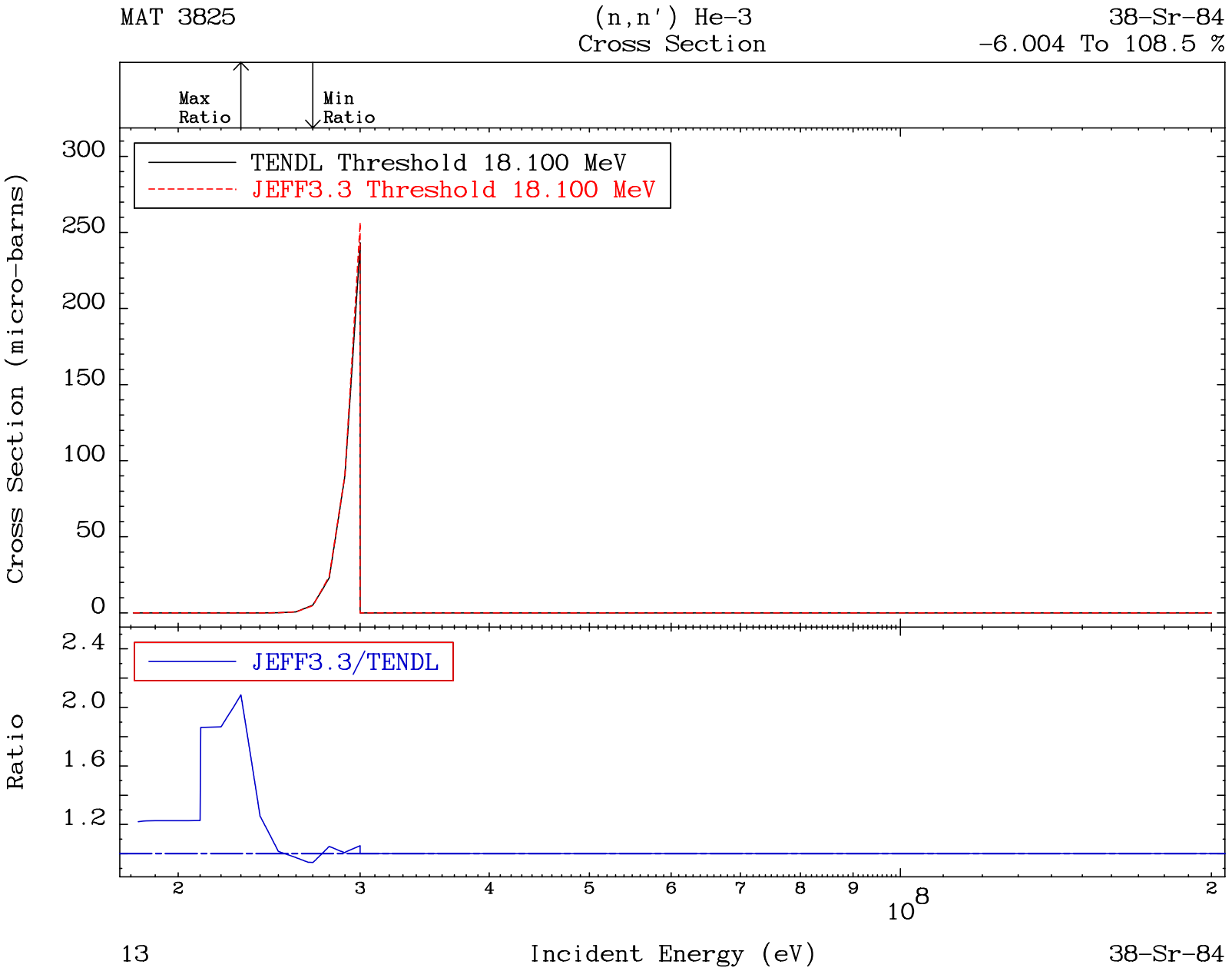

MAT 3825
(n,2n) α
Cross Section
38-Sr-84
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 16.904 MeV
JEFF3.3 Threshold 16.904 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
8
38-Sr-84

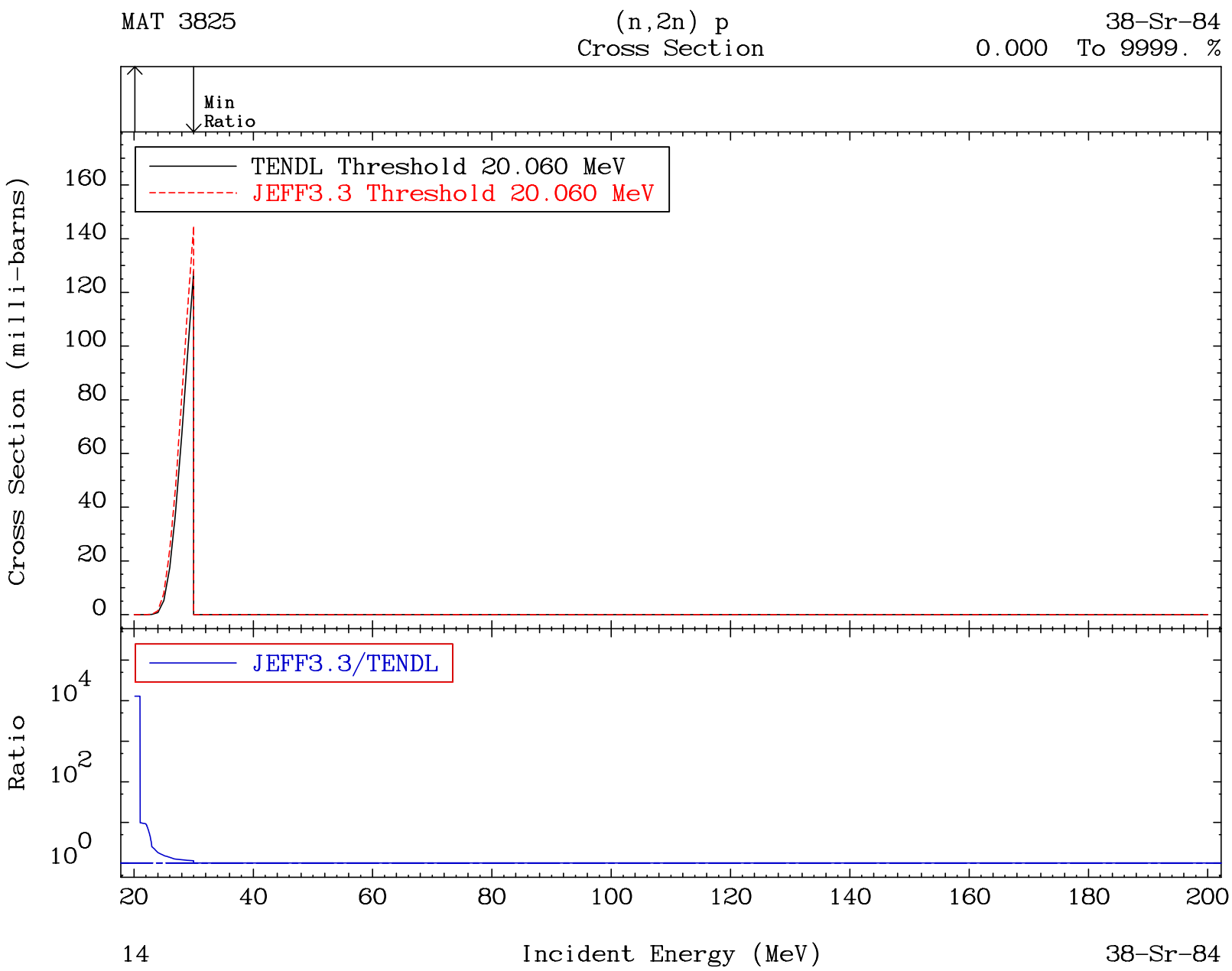

MAT 3825
(n,n') p
Cross Section
38-Sr-84
-4.534 To 5952. %
Max Ratio
Min Ratio
TENDL Threshold 8.9745 MeV
JEFF3.3 Threshold 8.9745 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^2
4
10^1
4
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
38-Sr-84

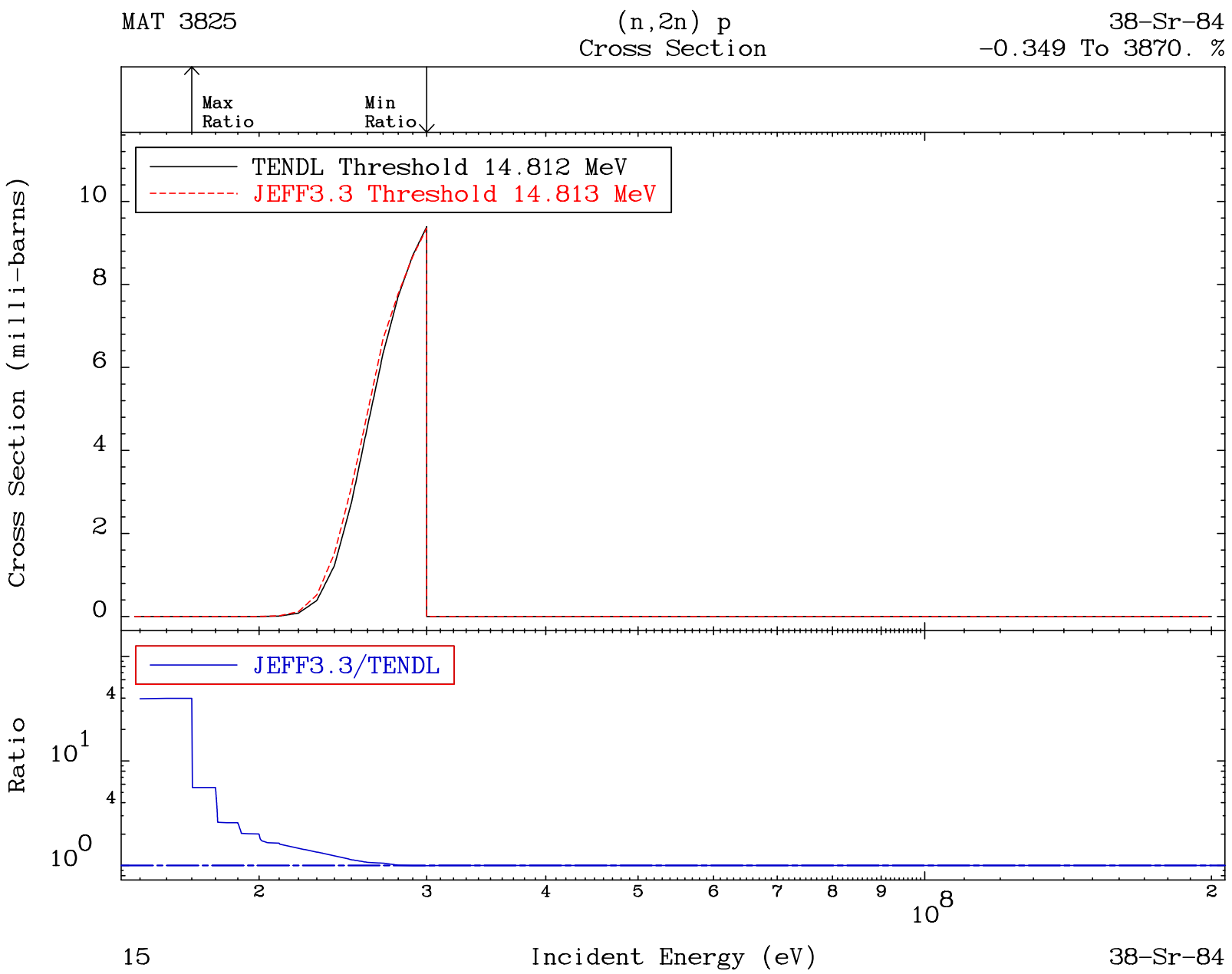

MAT 3825
(n,n') 2α
Cross Section
38-Sr-84
-66.37 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 10.371 MeV
JEFF3.3 Threshold 10.371 MeV
Cross Section (micro-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
38-Sr-84

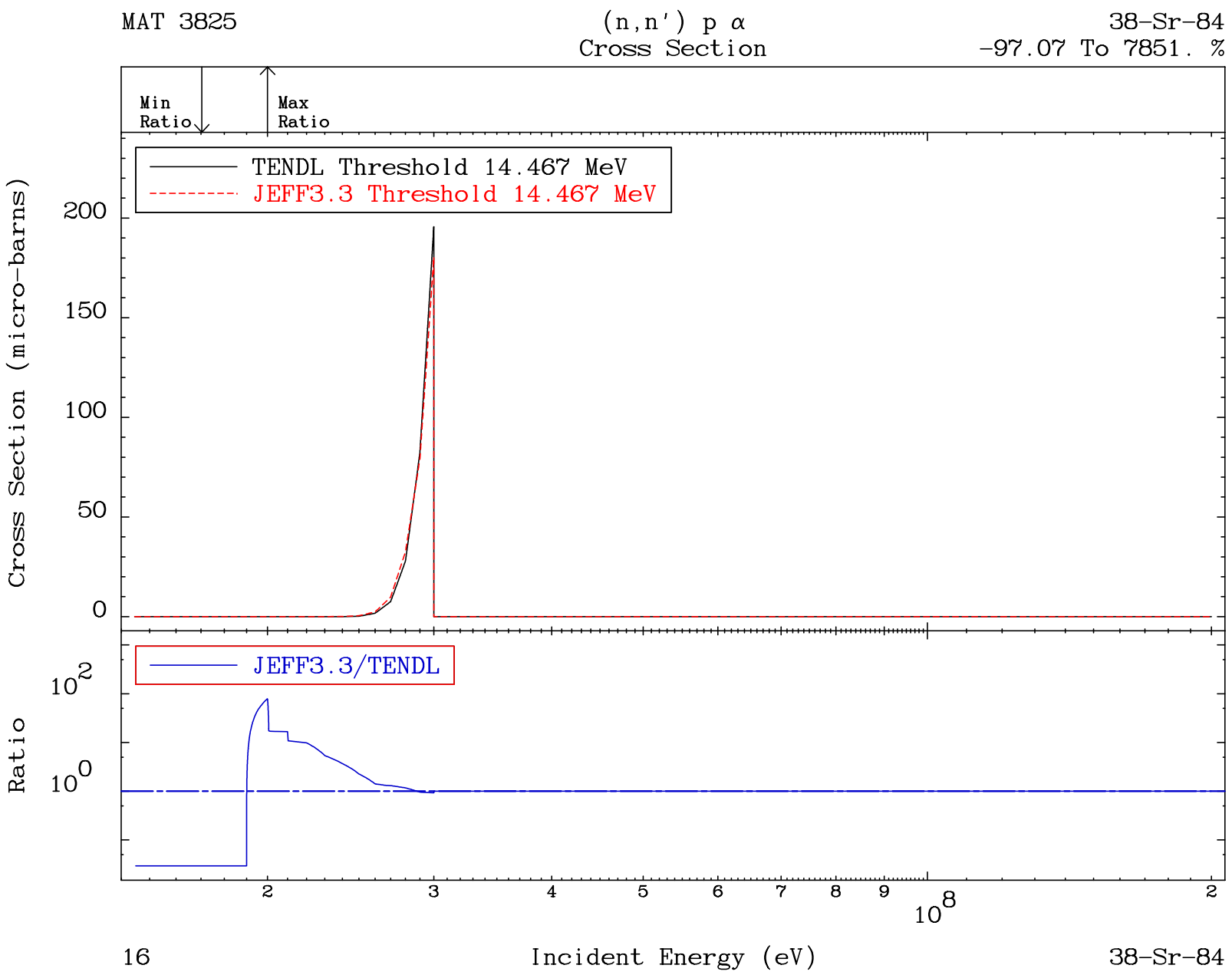

MAT 3825
(n,n') d
Cross Section
38-Sr-84
0.000 To 1430. %
Max Ratio
Min Ratio
TENDL Threshold 17.809 MeV
JEFF3.3 Threshold 17.809 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
11
38-Sr-84

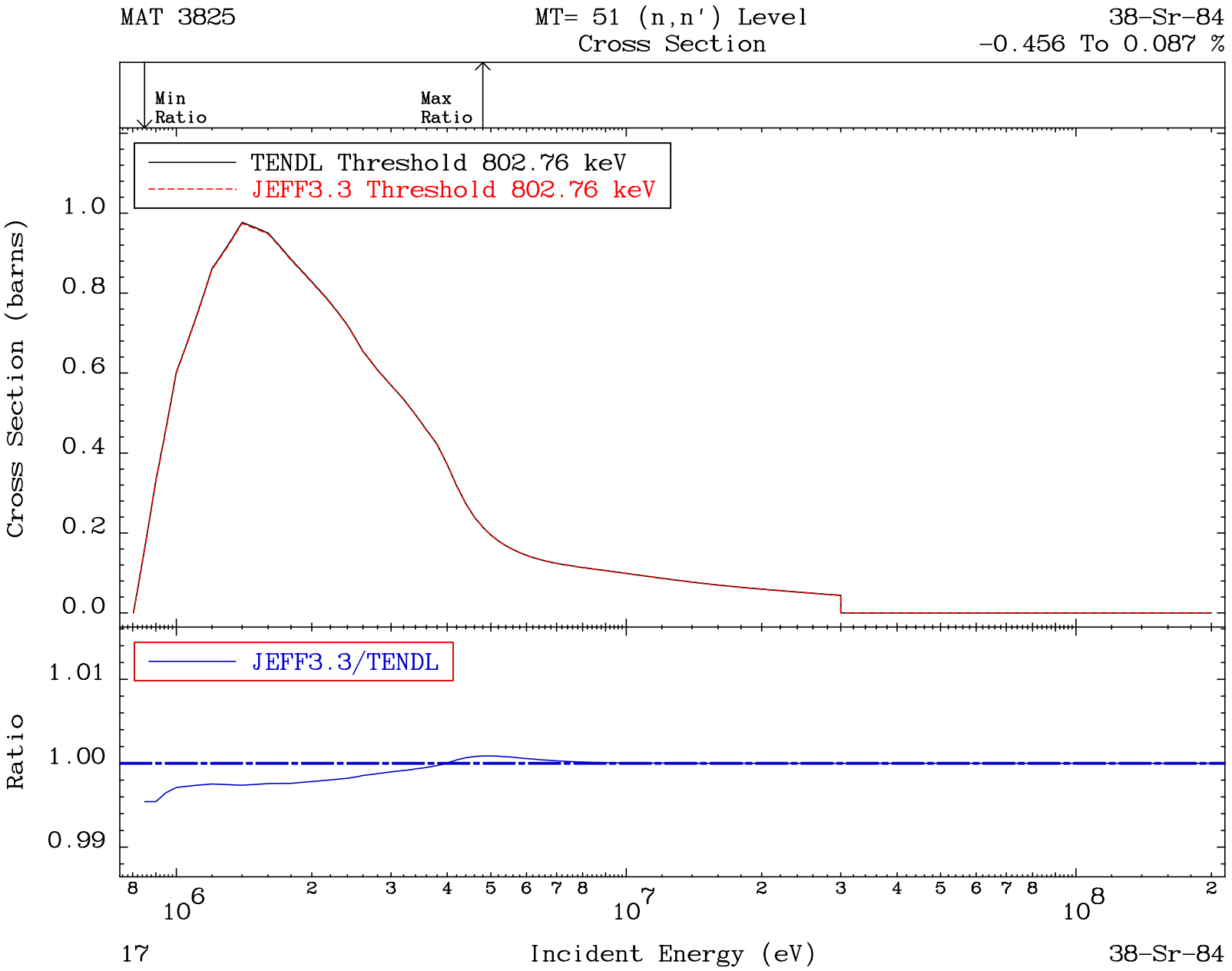

MAT 3825
(n,n') t
Cross Section
38-Sr-84
-100.0 To 5146. %
Max
Ratio
TENDL Threshold 20.385 MeV
JEFF3.3 Threshold 20.385 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^2
10^0
10^-2
10^-4
20
40
60
80
100
120
140
160
180
200
12
Incident Energy (MeV)
38-Sr-84

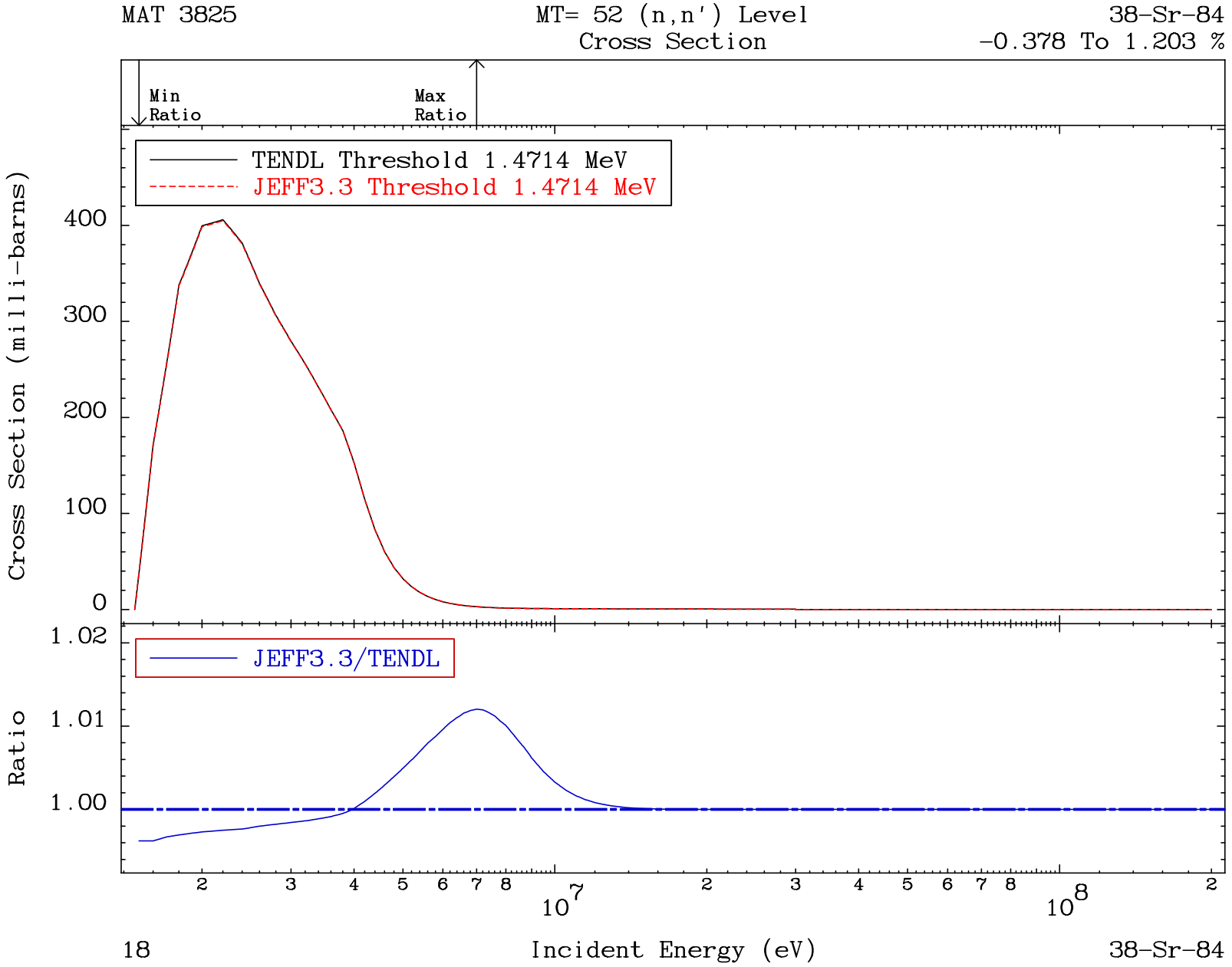

MAT 3825
(n,n') He-3
Cross Section
38-Sr-84
-6.004 To 108.5 %
Max Ratio
Min Ratio
TENDL Threshold 18.100 MeV
JEFF3.3 Threshold 18.100 MeV
Cross Section (micro-barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
2.4
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
38-Sr-84

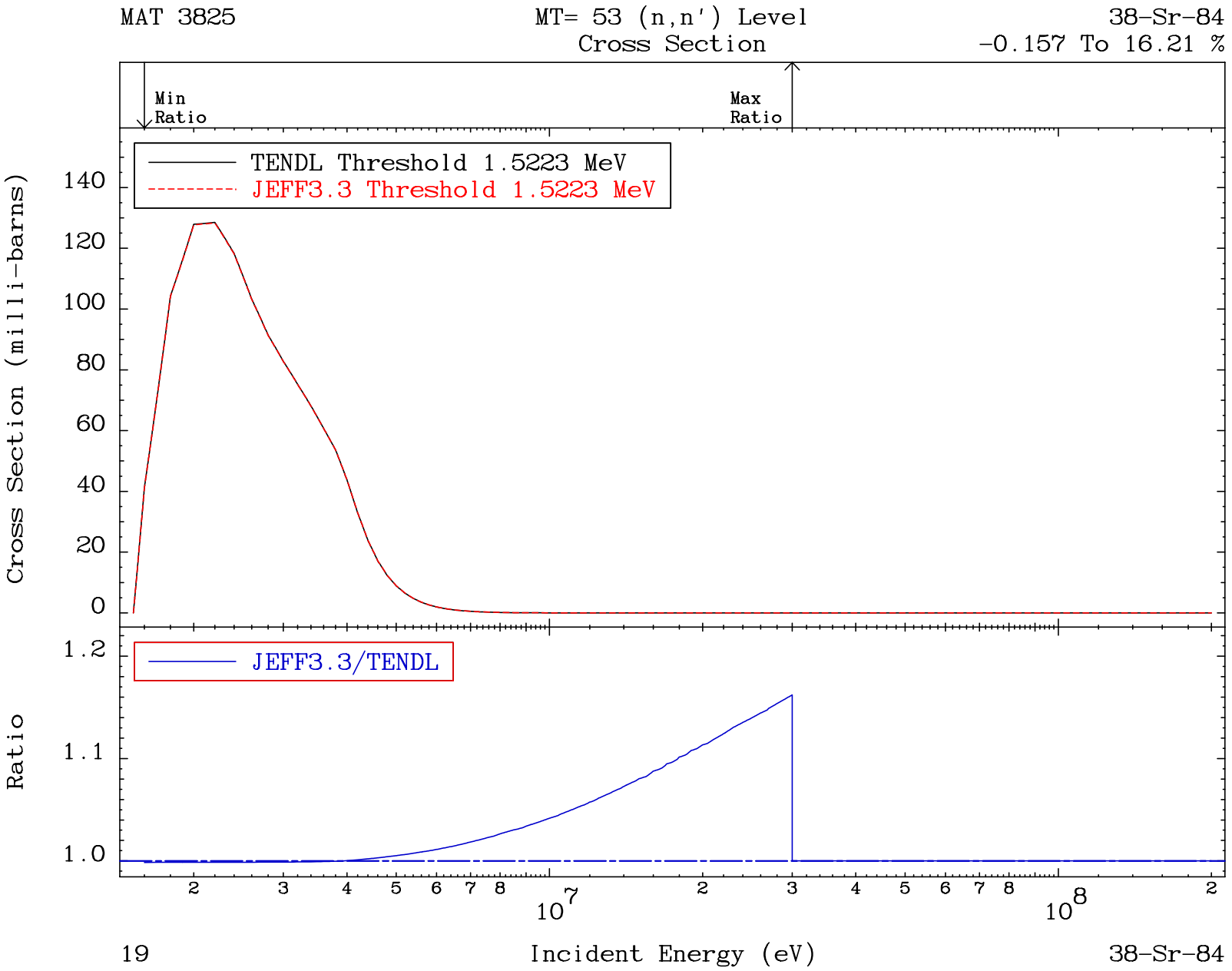

MAT 3825
(n,2n) p
Cross Section
38-Sr-84
0.000 To 9999. %
Min
Ratio
TENDL Threshold 20.060 MeV
JEFF3.3 Threshold 20.060 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^4
10^2
10^0
20
40
60
80
100
120
140
160
180
200
14
Incident Energy (MeV)
38-Sr-84

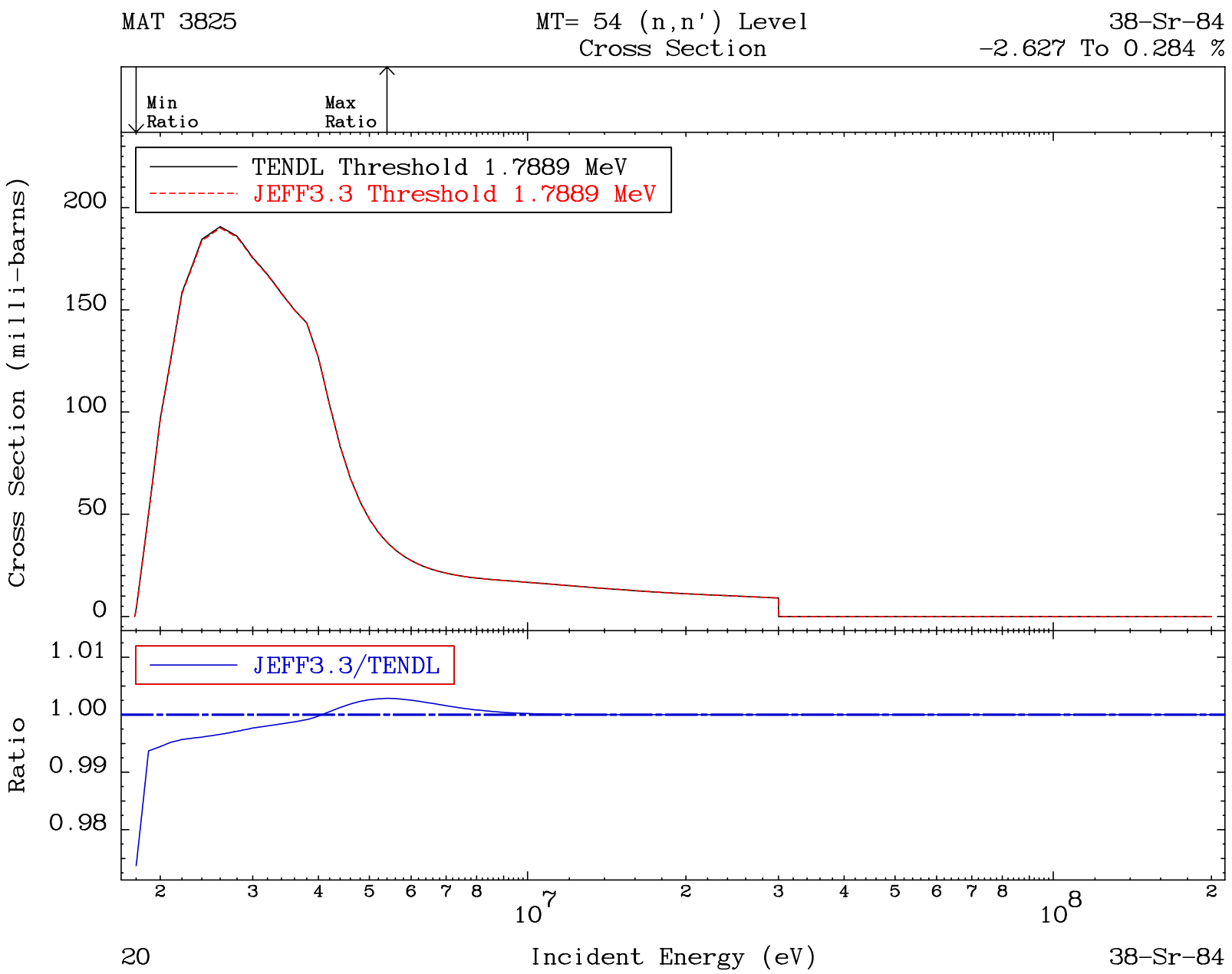

MAT 3825
(n,2n) p
Cross Section
38-Sr-84
-0.349 To 3870. %
Max Ratio
Min Ratio
TENDL Threshold 14.812 MeV
JEFF3.3 Threshold 14.813 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
15
38-Sr-84

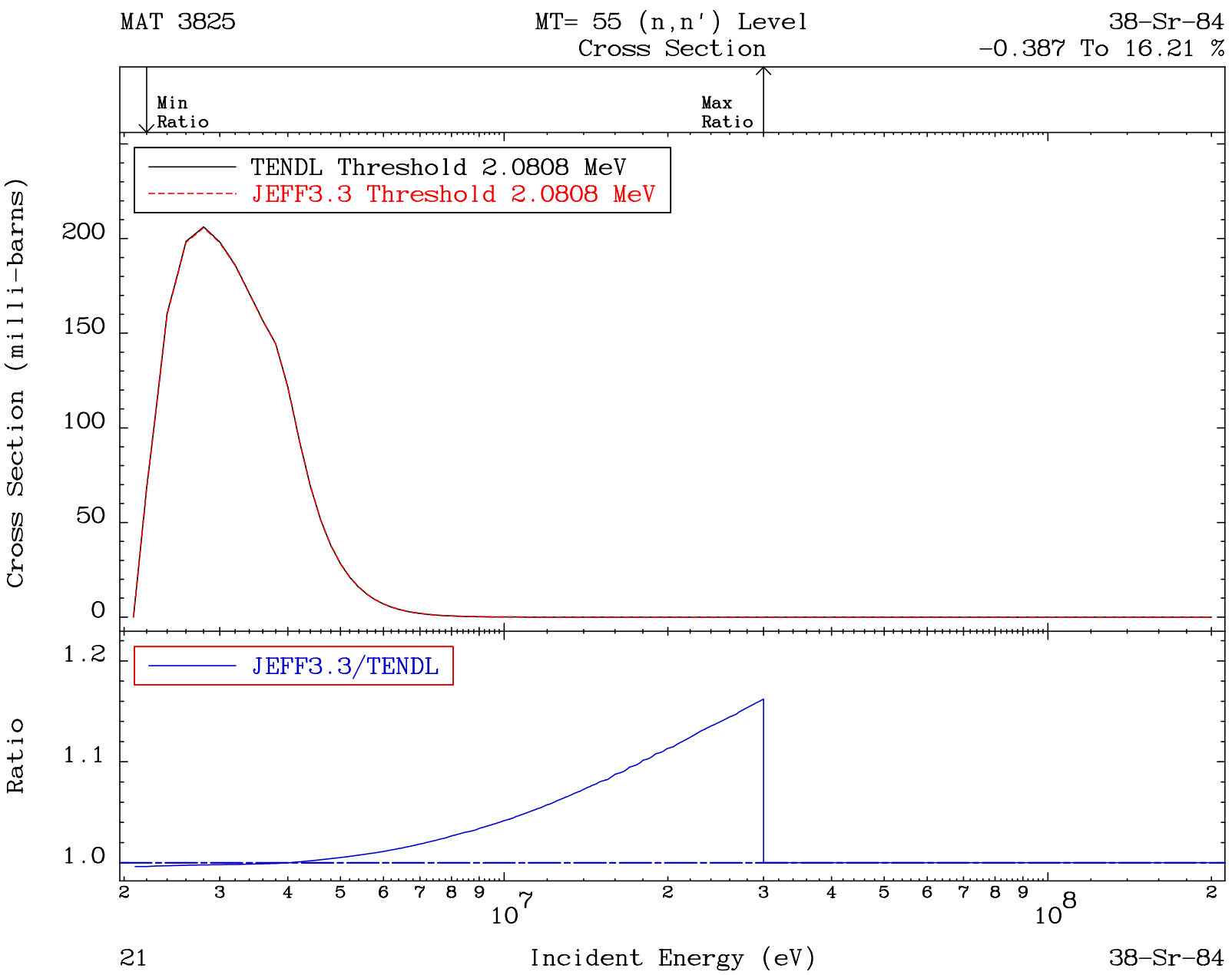

MAT 3825
(n,n') p α
Cross Section
38-Sr-84
-97.07 To 7851. %
Min Ratio
Max Ratio
TENDL Threshold 14.467 MeV
JEFF3.3 Threshold 14.467 MeV
Cross Section (micro-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
38-Sr-84

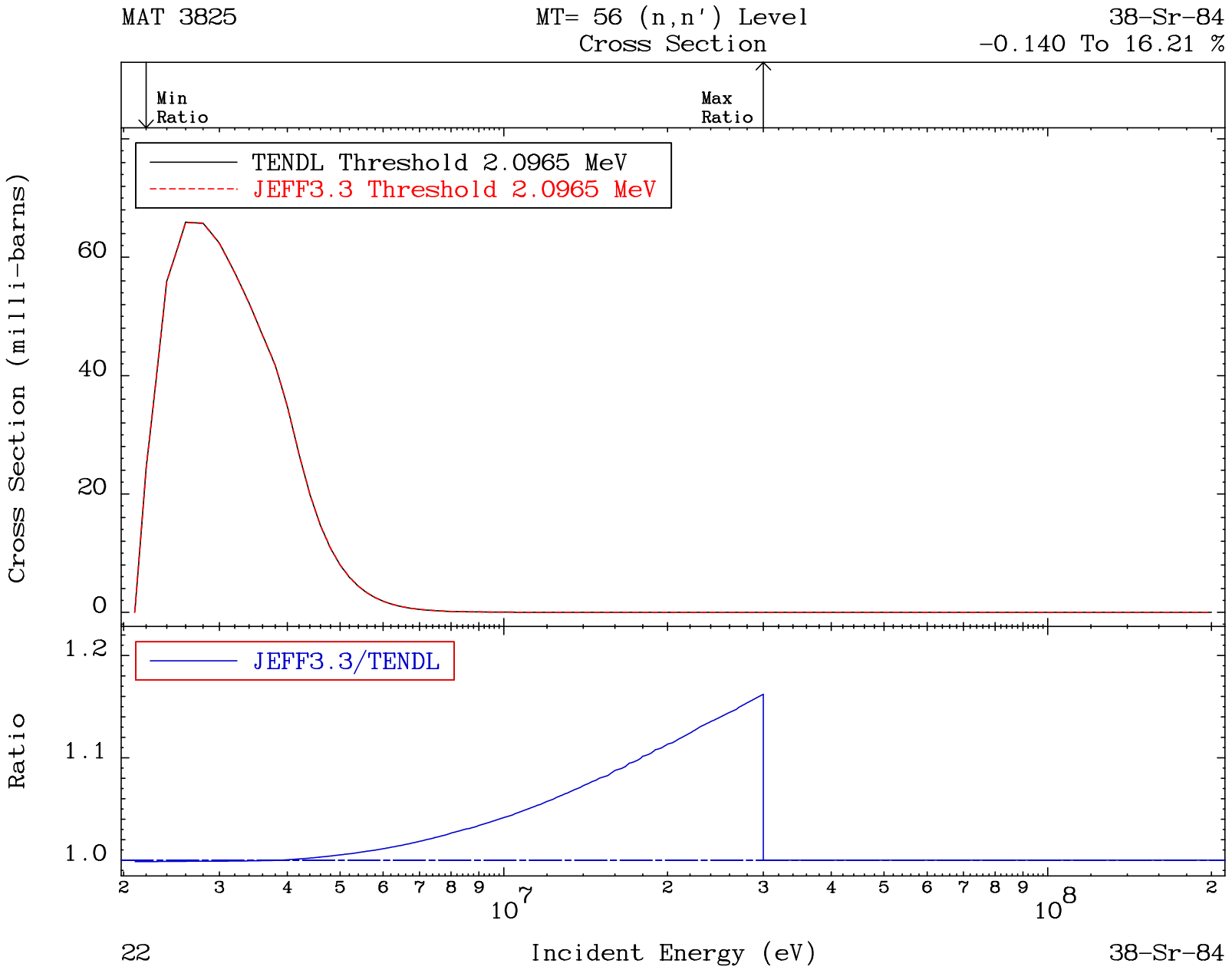

MAT 3825
MT= 51 (n,n') Level
Cross Section
38-Sr-84
-0.456 To 0.087 %
Min Ratio
Max Ratio
TENDL Threshold 802.76 keV
JEFF3.3 Threshold 802.76 keV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
17
Incident Energy (eV)
38-Sr-84

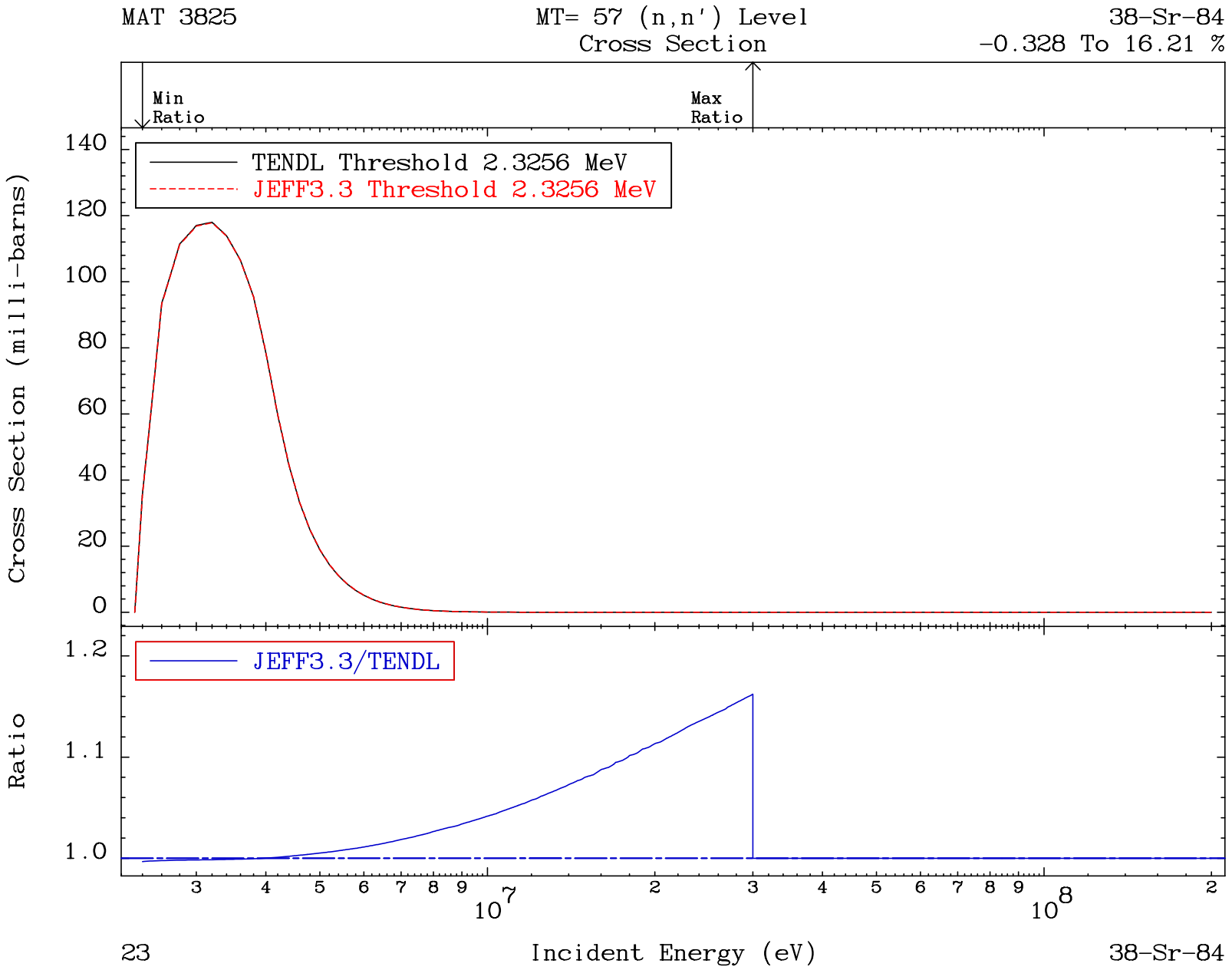

MAT 3825
MT= 52 (n,n') Level
Cross Section
38-Sr-84
-0.378 To 1.203 %
Min Ratio
Max Ratio
TENDL Threshold 1.4714 MeV
JEFF3.3 Threshold 1.4714 MeV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
38-Sr-84

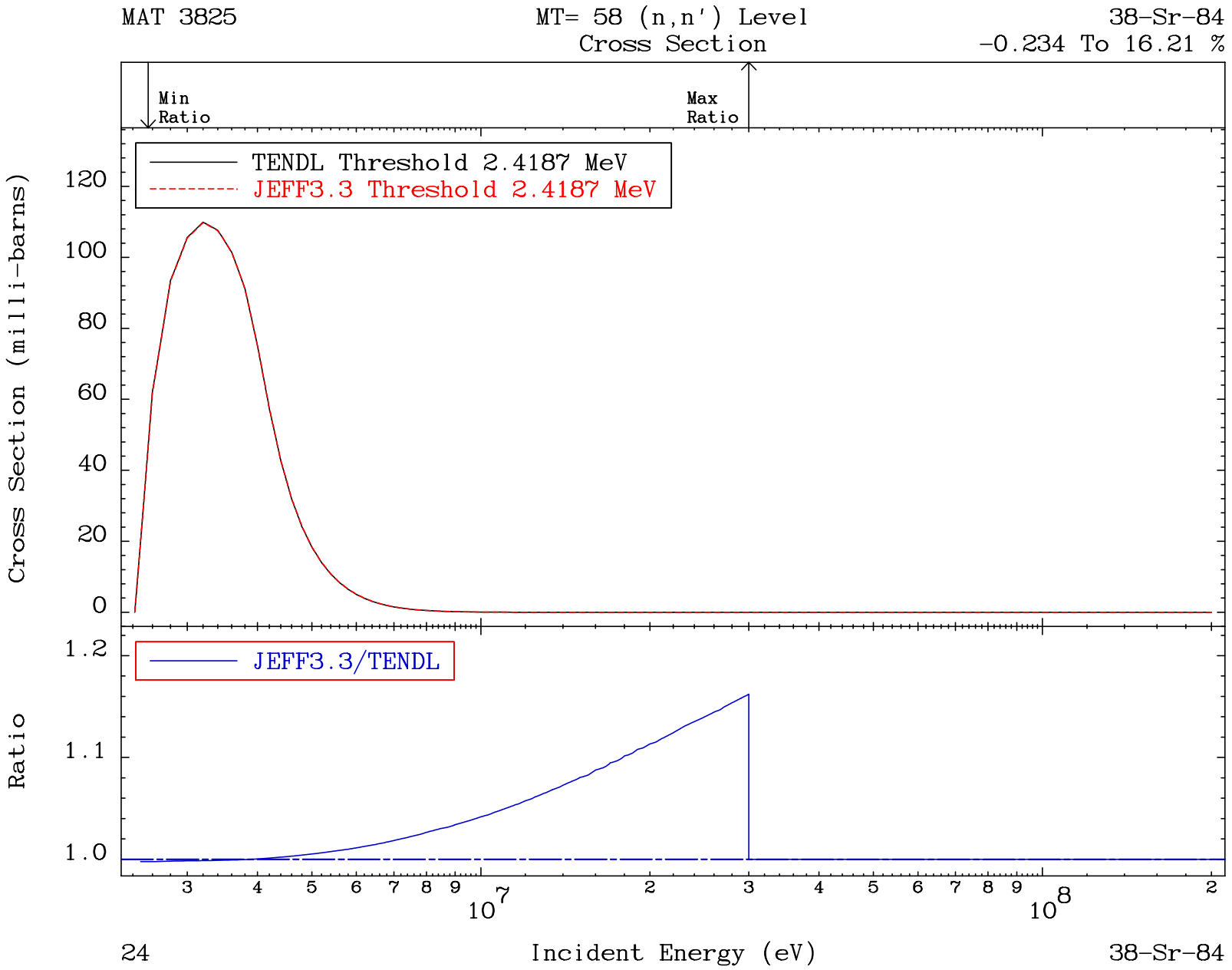

MAT 3825
MT= 53 (n,n') Level
Cross Section
38-Sr-84
-0.157 To 16.21 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.5223 MeV
JEFF3.3 Threshold 1.5223 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
19
Incident Energy (eV)
38-Sr-84

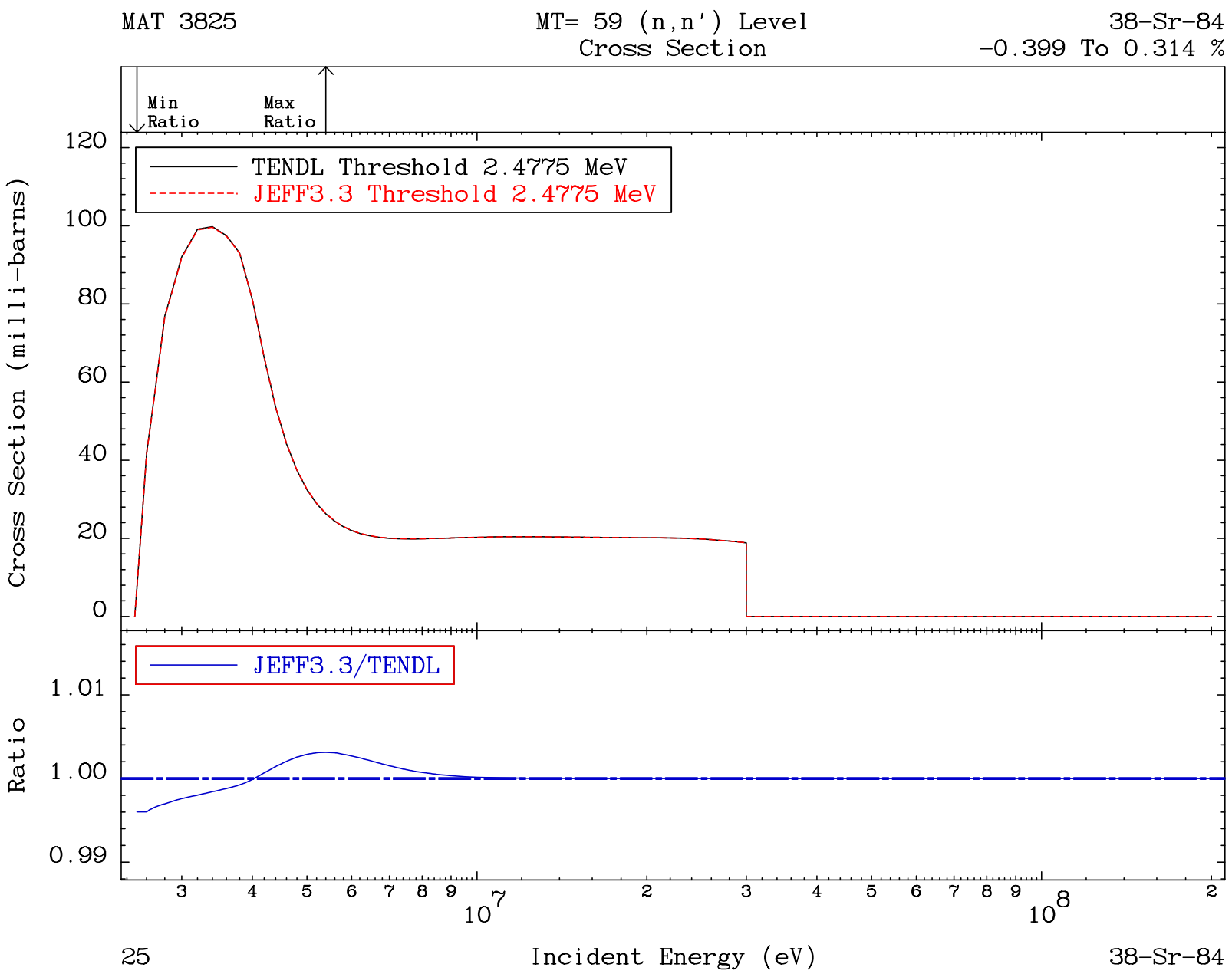

MAT 3825
MT= 54 (n,n') Level
Cross Section
38-Sr-84
-2.627 To 0.284 %
Min Ratio
Max Ratio
TENDL Threshold 1.7889 MeV
JEFF3.3 Threshold 1.7889 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
0.98
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
38-Sr-84

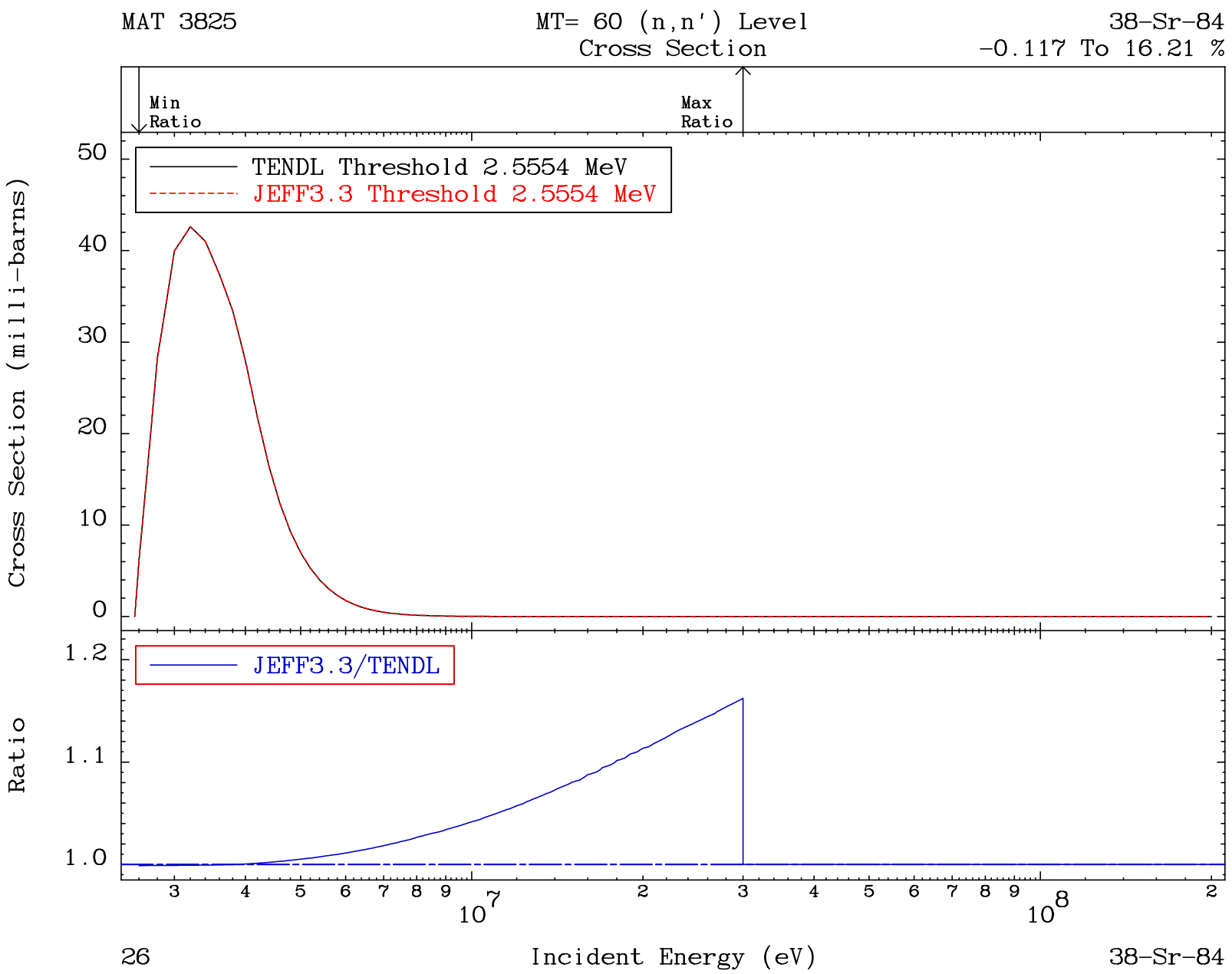

MAT 3825
MT= 55 (n,n') Level
Cross Section
38-Sr-84
-0.387 To 16.21 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.0808 MeV
JEFF3.3 Threshold 2.0808 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
21
Incident Energy (eV)
38-Sr-84

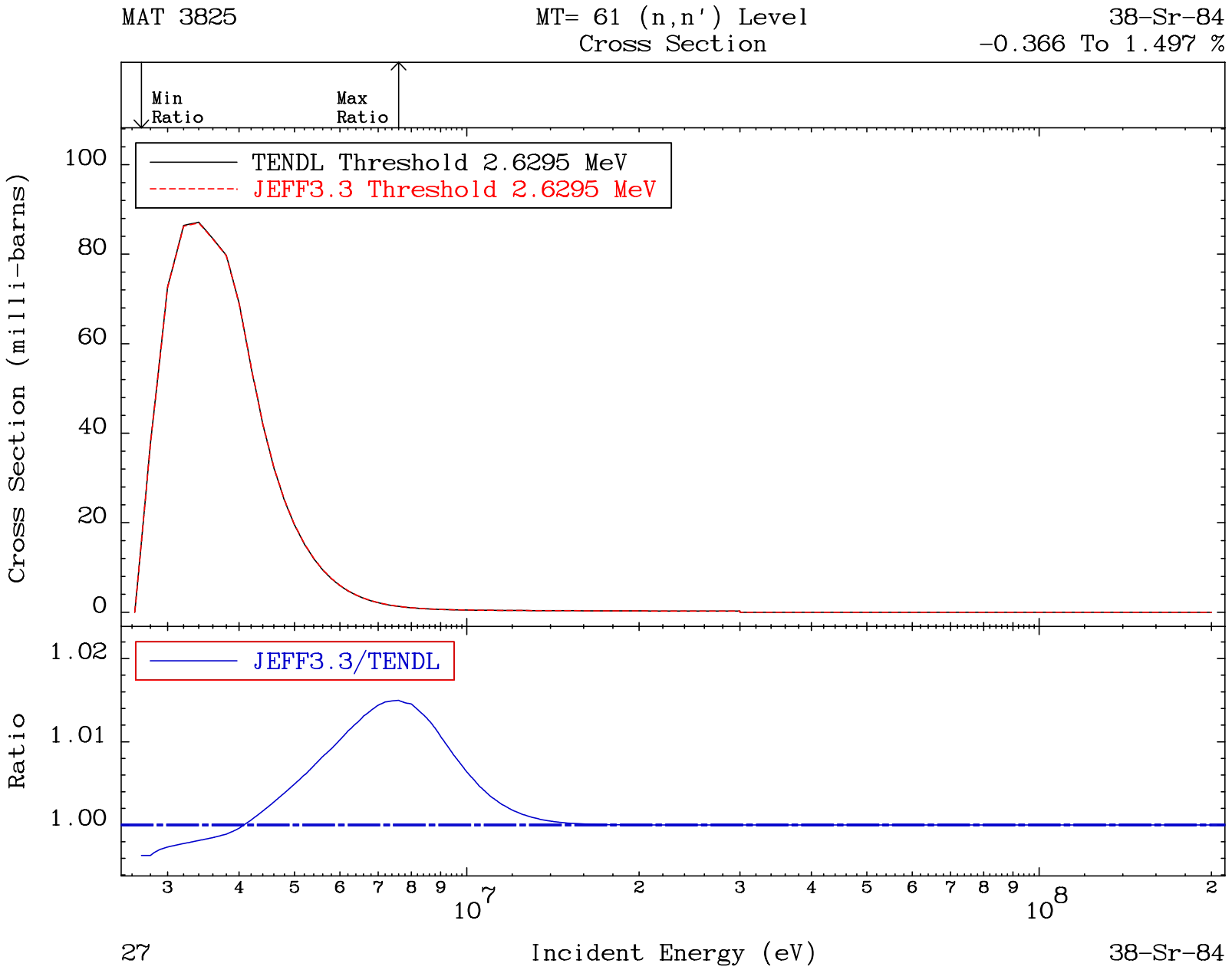

MAT 3825
MT= 56 (n,n') Level
Cross Section
38-Sr-84
-0.140 To 16.21 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.0965 MeV
JEFF3.3 Threshold 2.0965 MeV
Cross Section (milli-barns)
60
40
20
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
22
Incident Energy (eV)
38-Sr-84

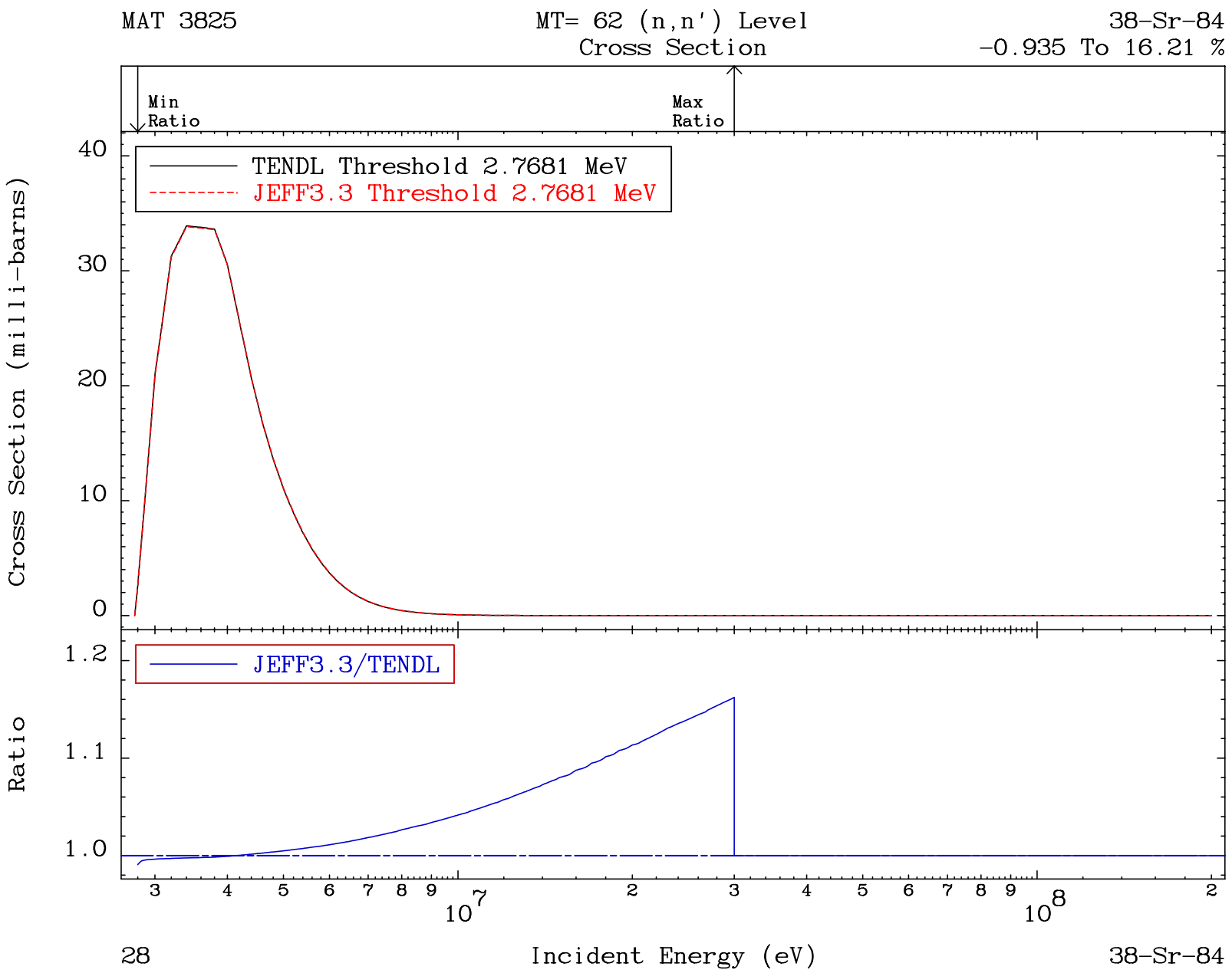

MAT 3825
MT= 57 (n,n') Level
Cross Section
38-Sr-84
-0.328 To 16.21 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.3256 MeV
JEFF3.3 Threshold 2.3256 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
23
Incident Energy (eV)
38-Sr-84

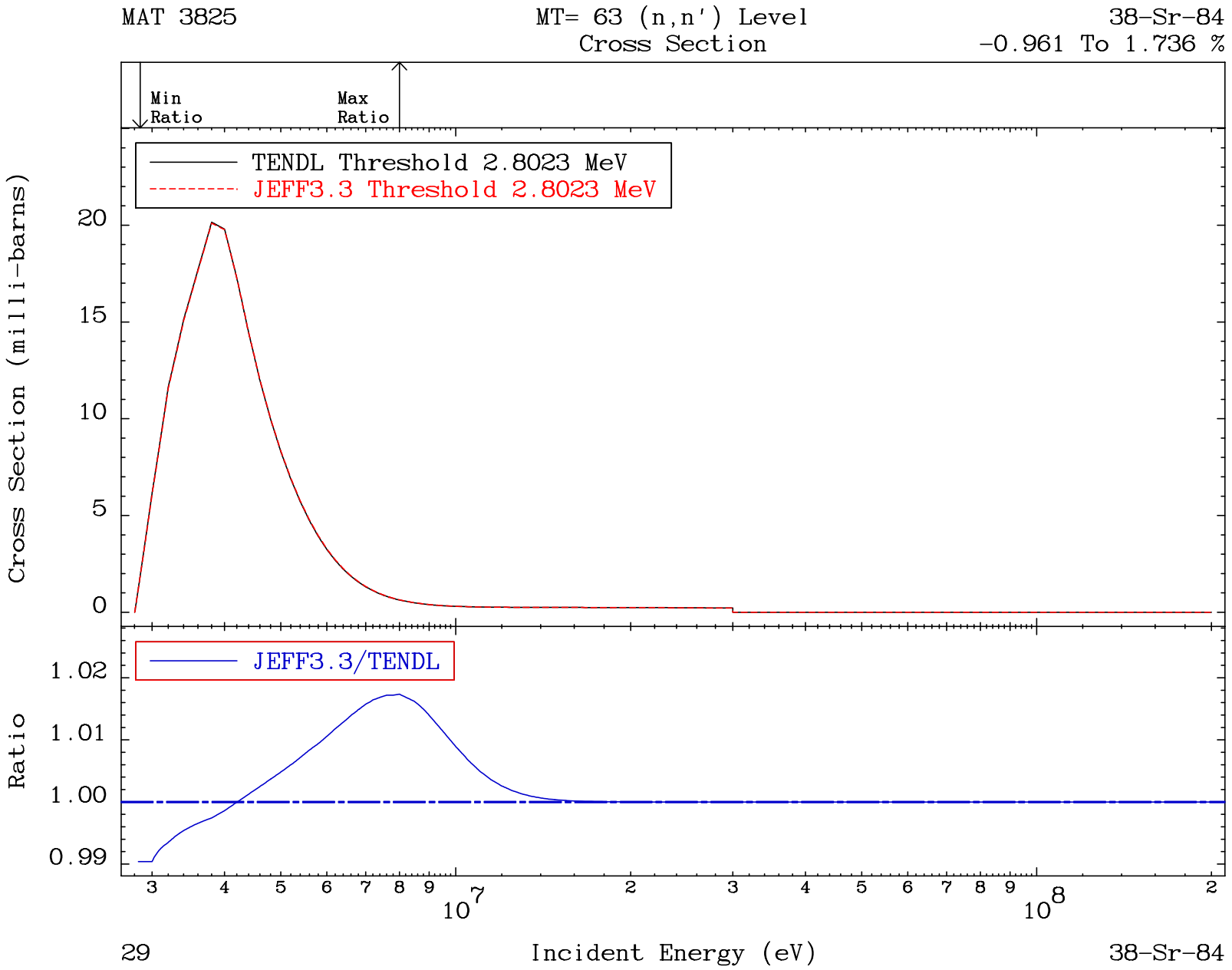

MAT 3825
MT= 58 (n,n') Level
Cross Section
38-Sr-84
-0.234 To 16.21 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.4187 MeV
JEFF3.3 Threshold 2.4187 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
24
Incident Energy (eV)
38-Sr-84

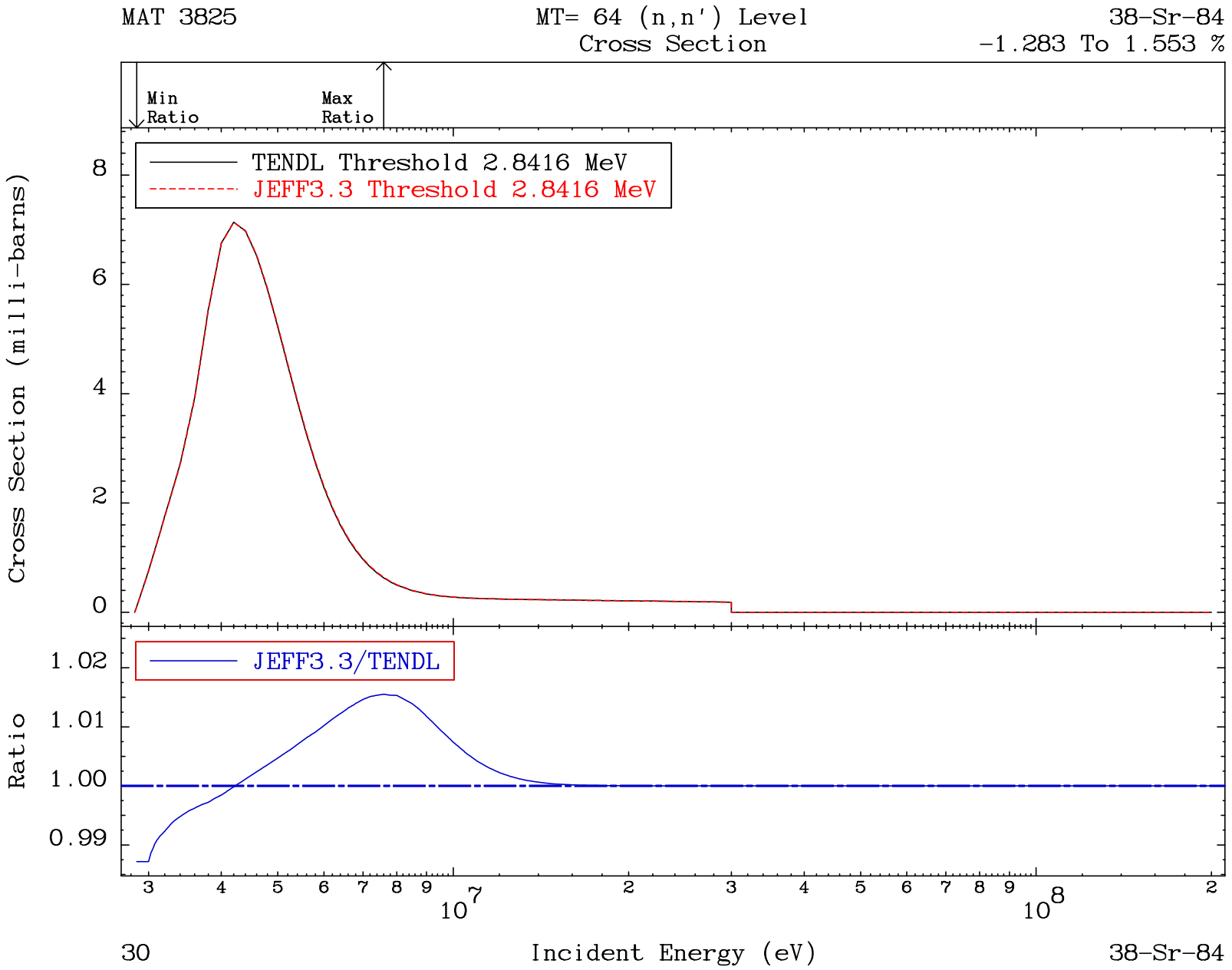

MAT 3825
MT= 59 (n,n') Level
Cross Section
38-Sr-84
-0.399 To 0.314 %
Min Ratio
Max Ratio
TENDL Threshold 2.4775 MeV
JEFF3.3 Threshold 2.4775 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
25
Incident Energy (eV)
38-Sr-84

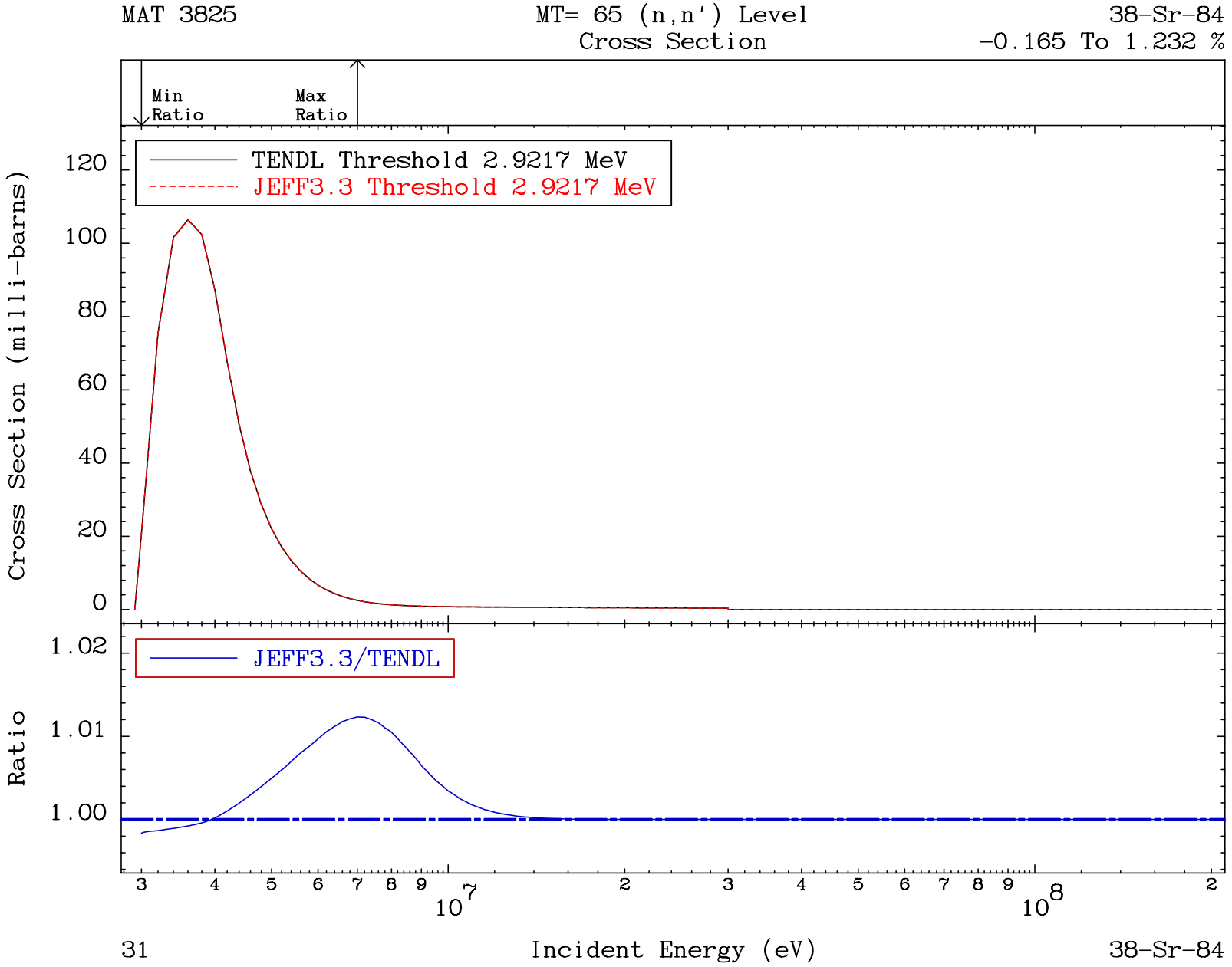

MAT 3825
MT= 60 (n,n') Level
Cross Section
38-Sr-84
-0.117 To 16.21 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.5554 MeV
JEFF3.3 Threshold 2.5554 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
26
Incident Energy (eV)
38-Sr-84

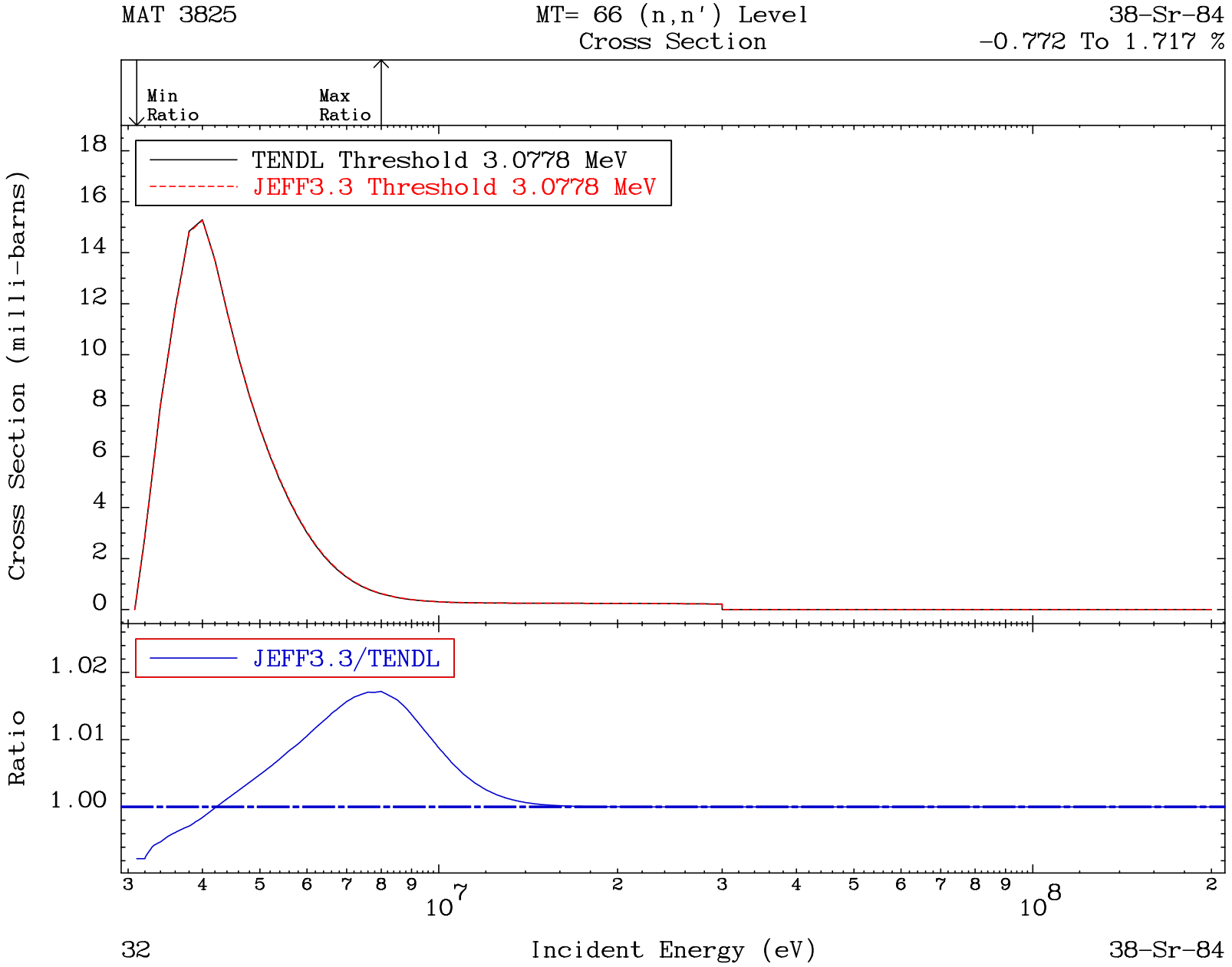

MAT 3825
MT= 61 (n,n') Level
Cross Section
38-Sr-84
-0.366 To 1.497 %
Min Ratio
Max Ratio
TENDL Threshold 2.6295 MeV
JEFF3.3 Threshold 2.6295 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
27
Incident Energy (eV)
38-Sr-84

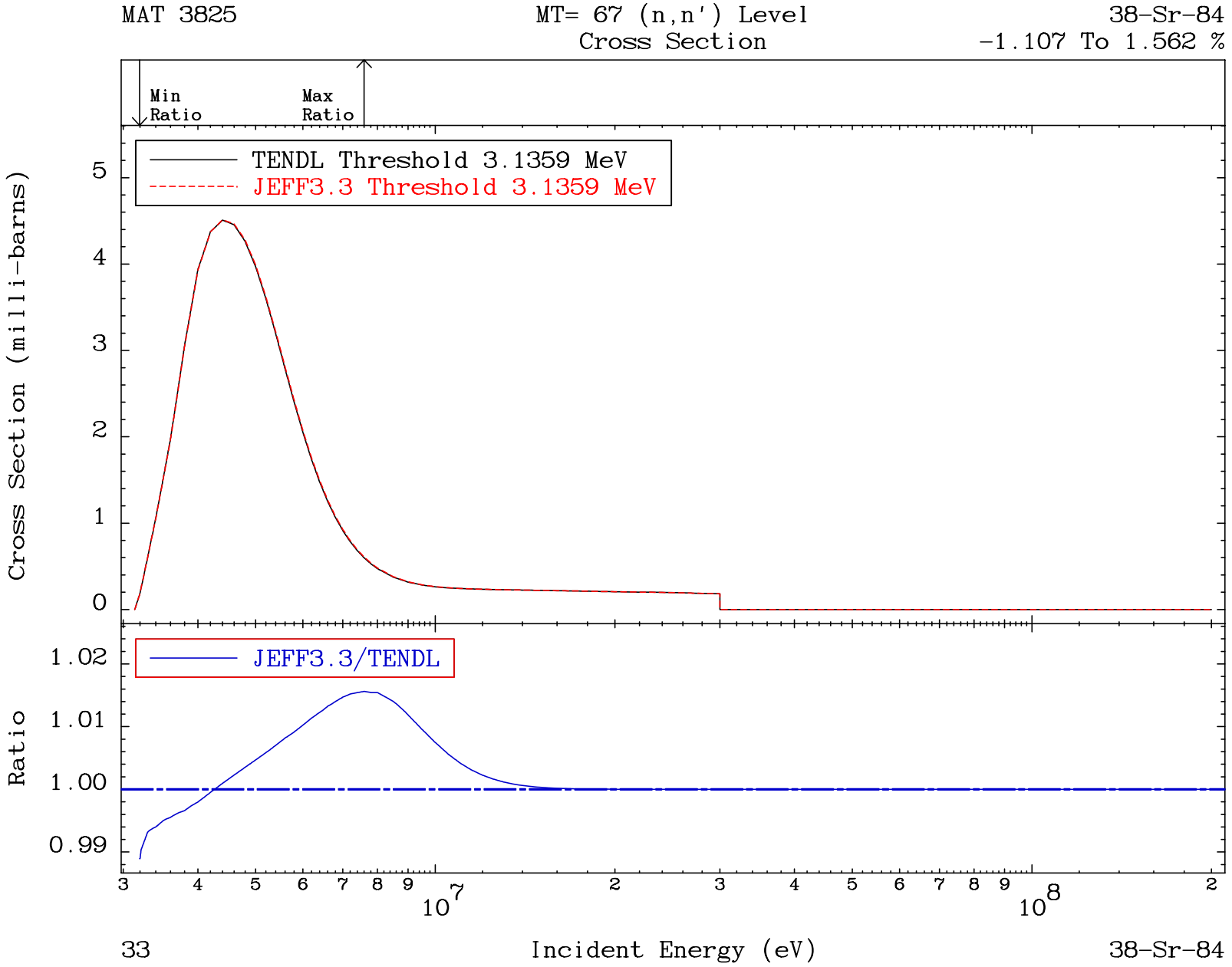

MAT 3825
MT= 62 (n,n') Level
Cross Section
38-Sr-84
-0.935 To 16.21 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.7681 MeV
JEFF3.3 Threshold 2.7681 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
28
Incident Energy (eV)
38-Sr-84

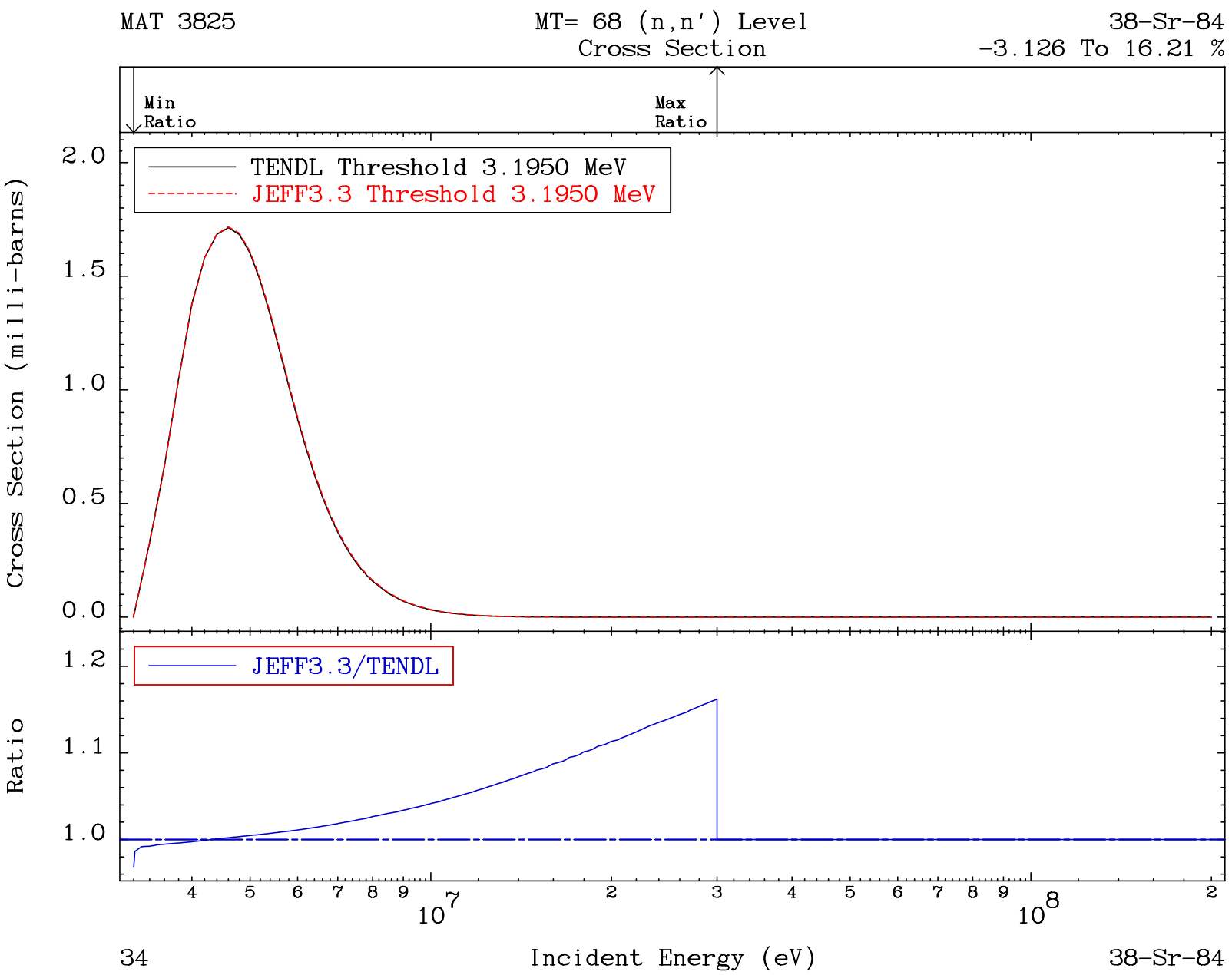

MAT 3825
MT= 63 (n,n') Level
Cross Section
38-Sr-84
-0.961 To 1.736 %
Min Ratio
Max Ratio
TENDL Threshold 2.8023 MeV
JEFF3.3 Threshold 2.8023 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
38-Sr-84

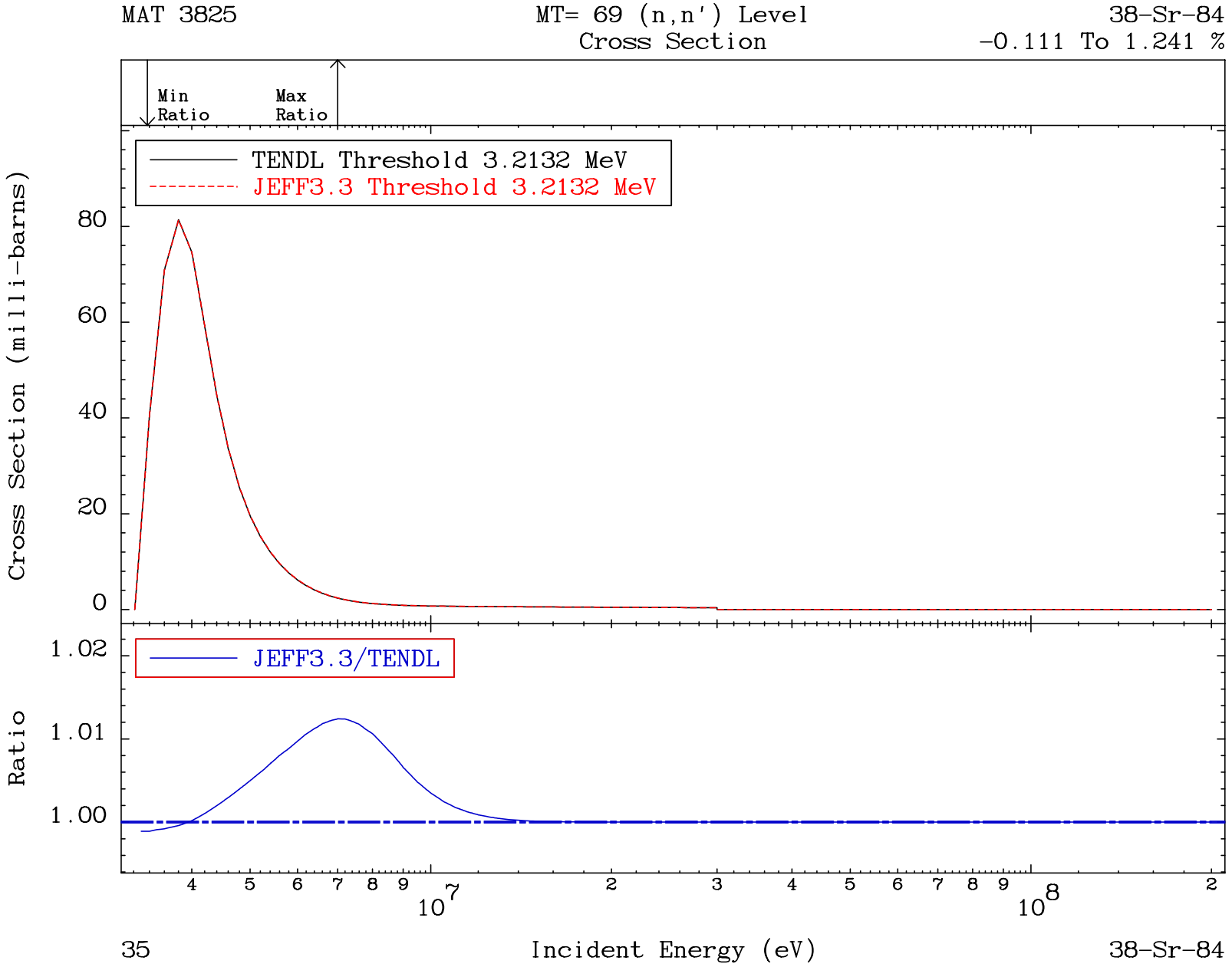

MAT 3825
MT= 64 (n,n') Level
Cross Section
38-Sr-84
-1.283 To 1.553 %
Min Ratio
Max Ratio
TENDL Threshold 2.8416 MeV
JEFF3.3 Threshold 2.8416 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
1.02
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
30
38-Sr-84

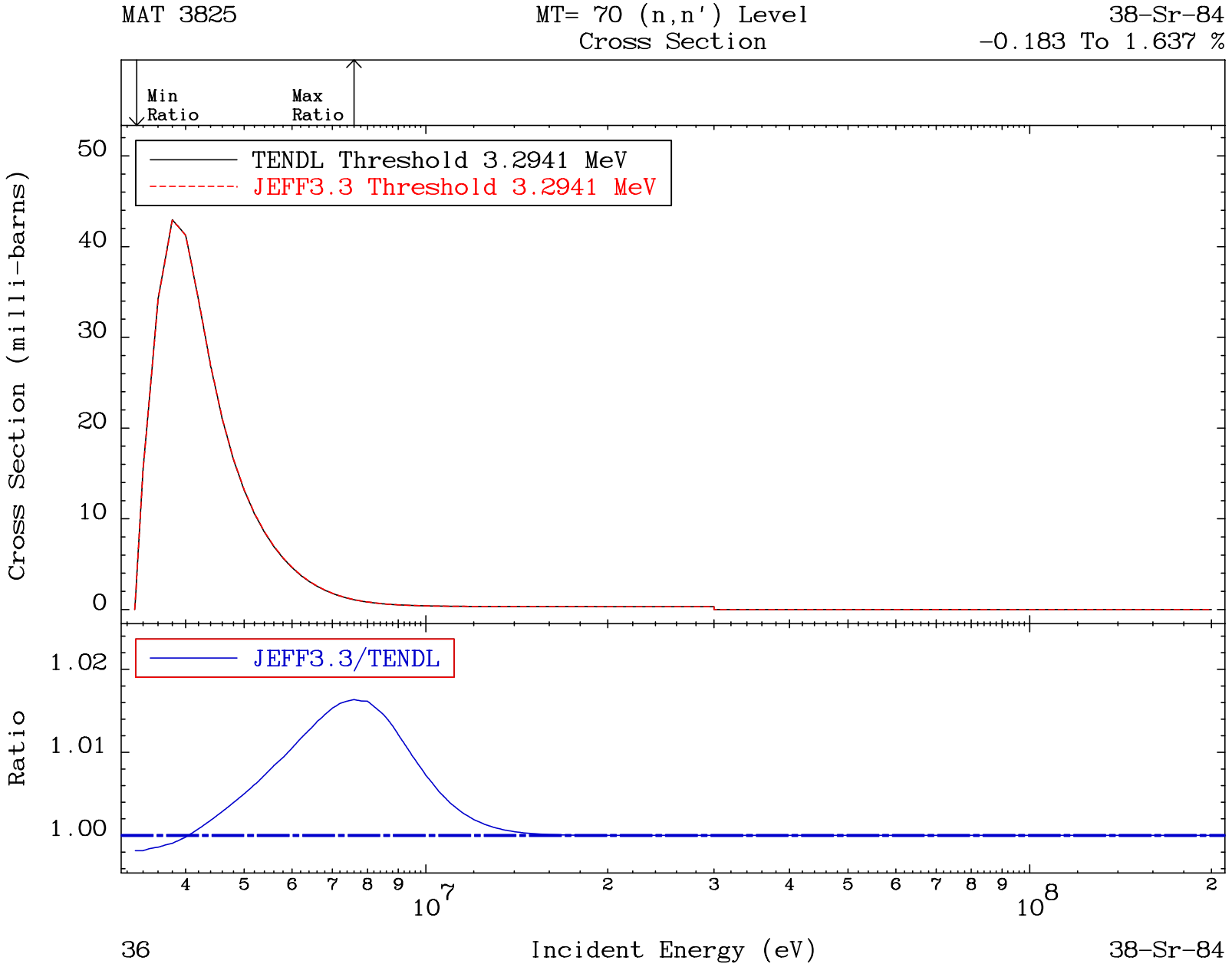

MAT 3825
MT= 65 (n,n') Level
Cross Section
38-Sr-84
-0.165 To 1.232 %
Min Ratio
Max Ratio
TENDL Threshold 2.9217 MeV
JEFF3.3 Threshold 2.9217 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
31
Incident Energy (eV)
38-Sr-84

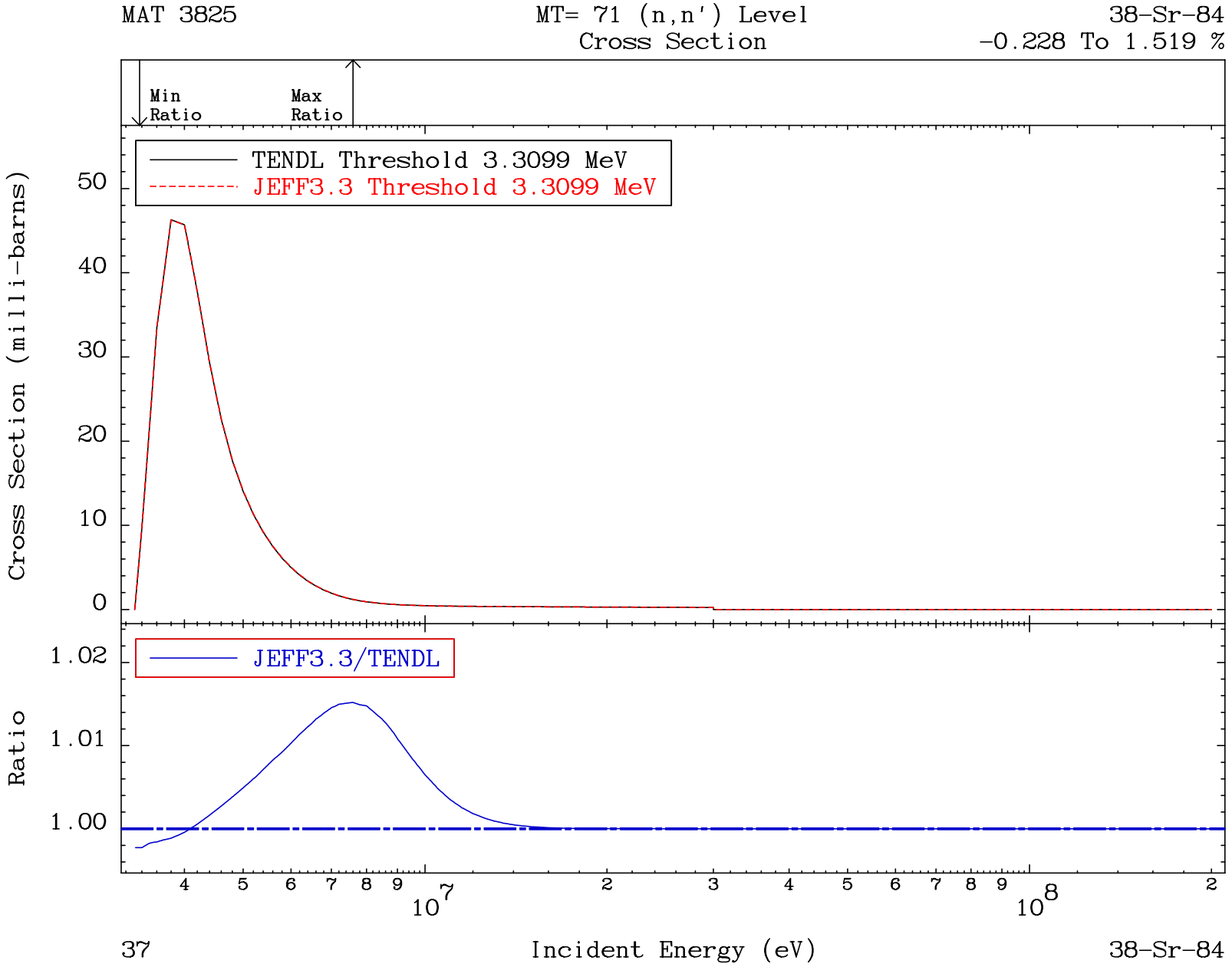

MAT 3825
MT= 66 (n,n') Level
Cross Section
38-Sr-84
-0.772 To 1.717 %
Min Ratio
Max Ratio
TENDL Threshold 3.0778 MeV
JEFF3.3 Threshold 3.0778 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
32
38-Sr-84

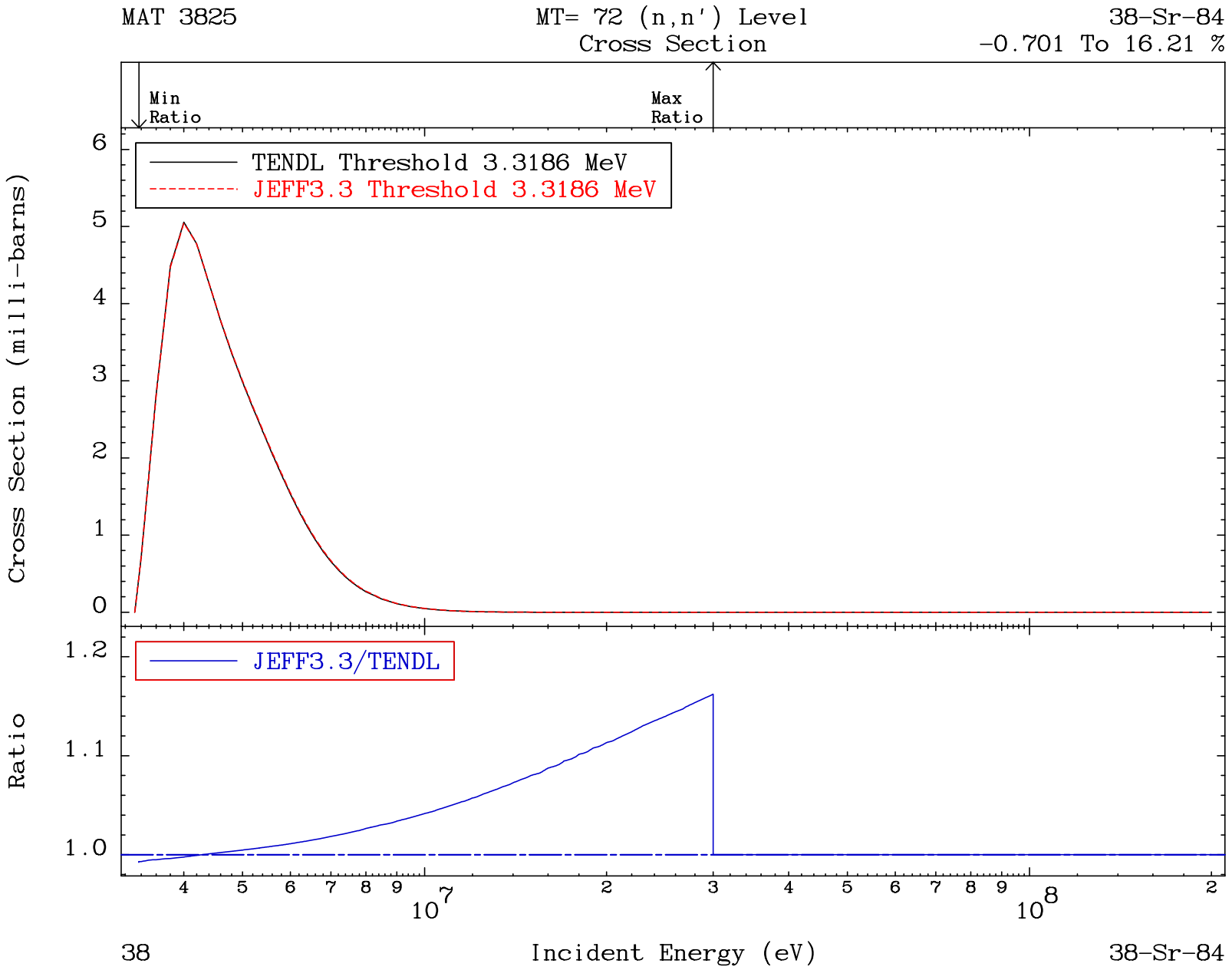

MAT 3825
MT= 67 (n,n') Level
Cross Section
38-Sr-84
-1.107 To 1.562 %
Min Ratio
Max Ratio
TENDL Threshold 3.1359 MeV
JEFF3.3 Threshold 3.1359 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
1.02
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
33
38-Sr-84

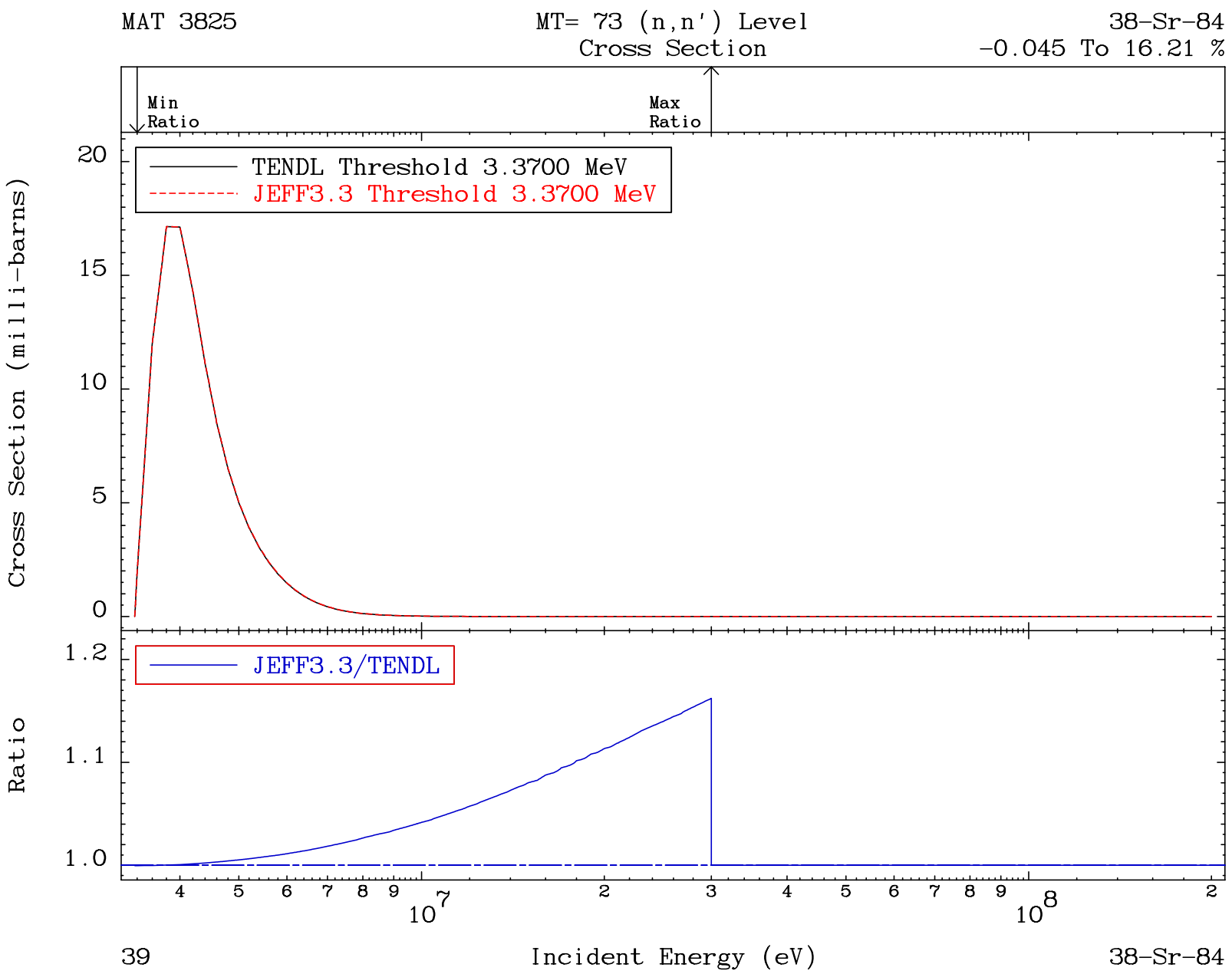

MAT 3825
MT= 68 (n,n') Level
Cross Section
38-Sr-84
-3.126 To 16.21 %
Min Ratio
Max Ratio
TENDL Threshold 3.1950 MeV
JEFF3.3 Threshold 3.1950 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
38-Sr-84

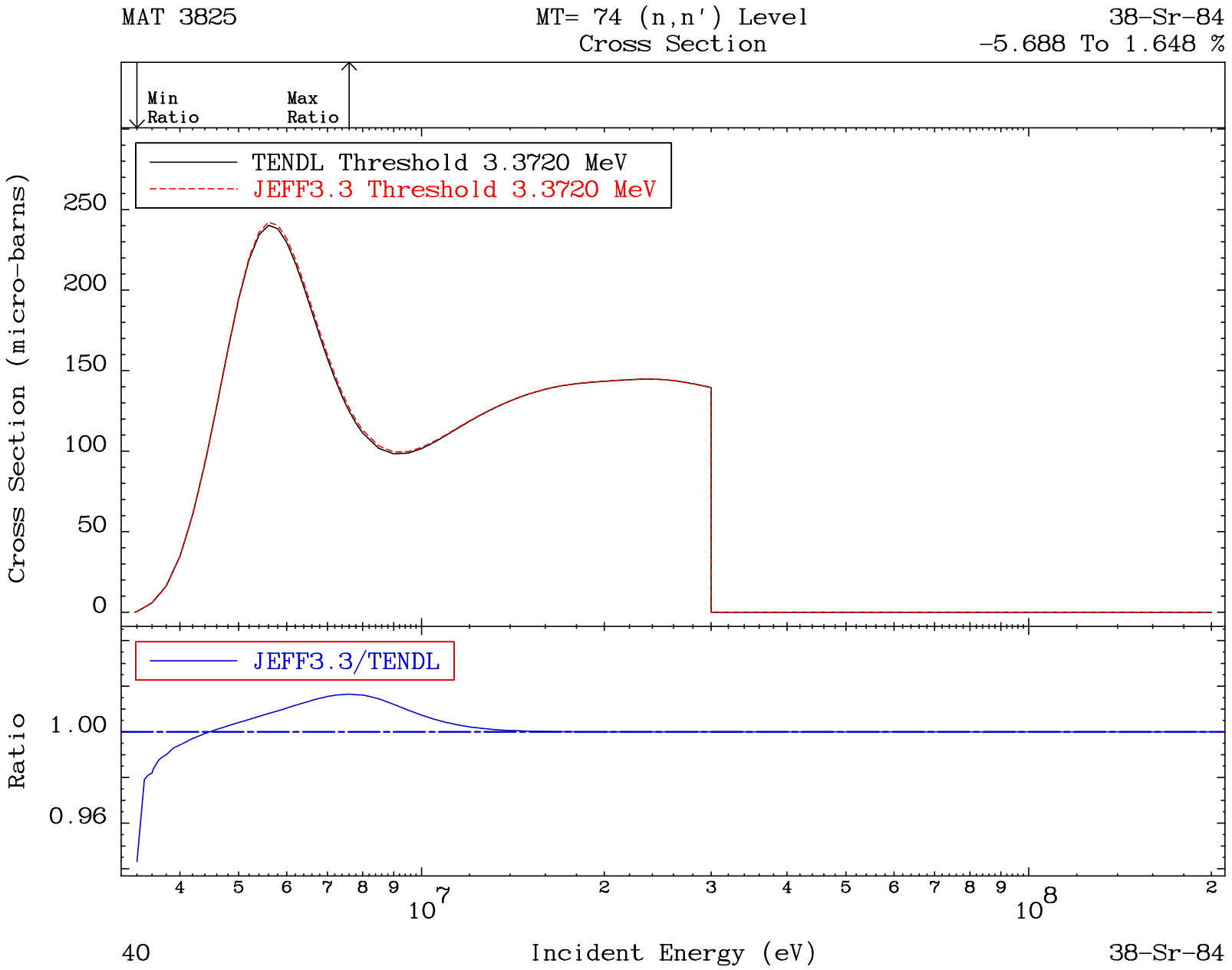

MAT 3825
MT= 69 (n,n') Level
Cross Section
38-Sr-84
-0.111 To 1.241 %
Min Ratio
Max Ratio
TENDL Threshold 3.2132 MeV
JEFF3.3 Threshold 3.2132 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
35
Incident Energy (eV)
38-Sr-84

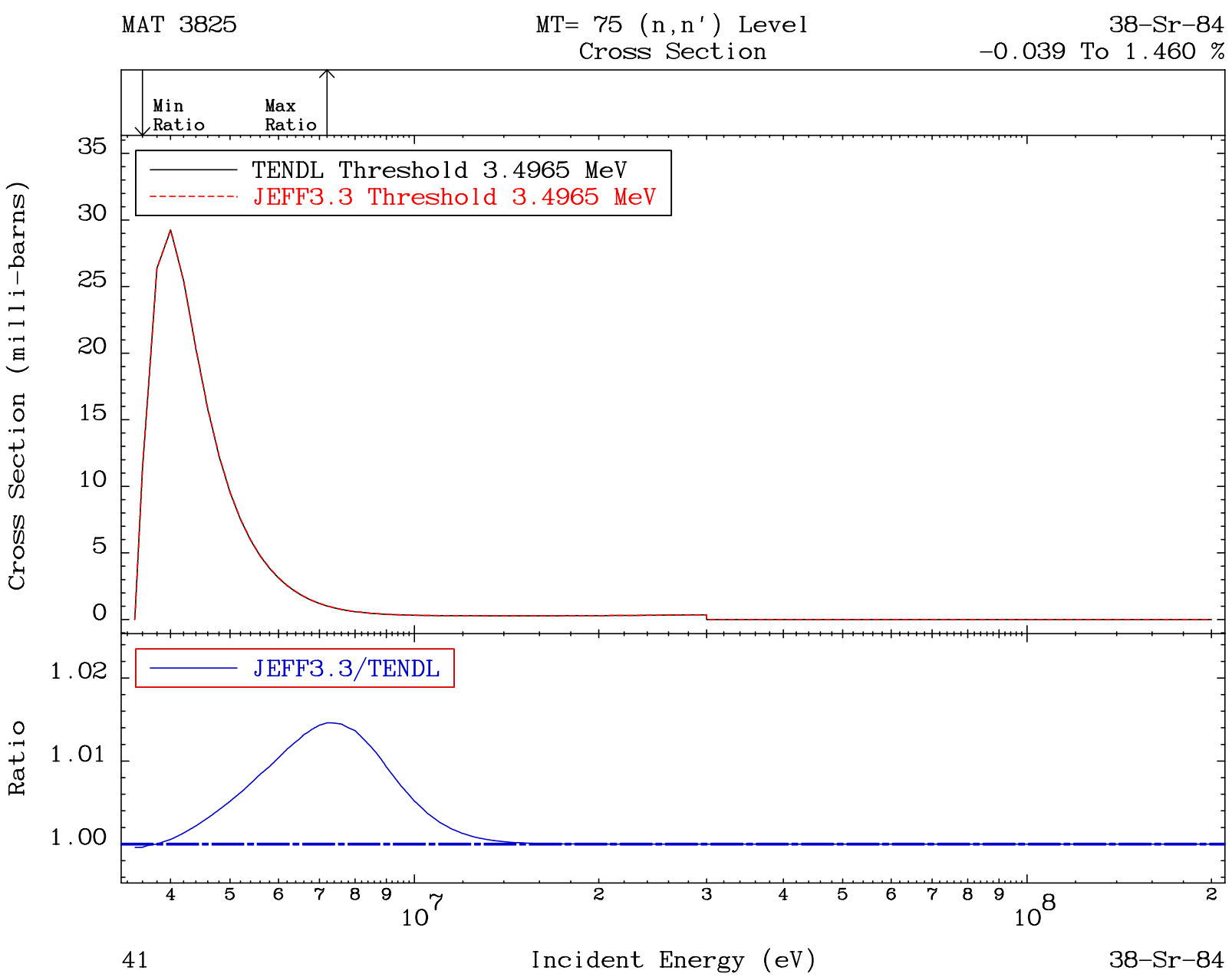

MAT 3825
MT= 70 (n,n') Level
Cross Section
38-Sr-84
-0.183 To 1.637 %
Min Ratio
Max Ratio
TENDL Threshold 3.2941 MeV
JEFF3.3 Threshold 3.2941 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
38-Sr-84

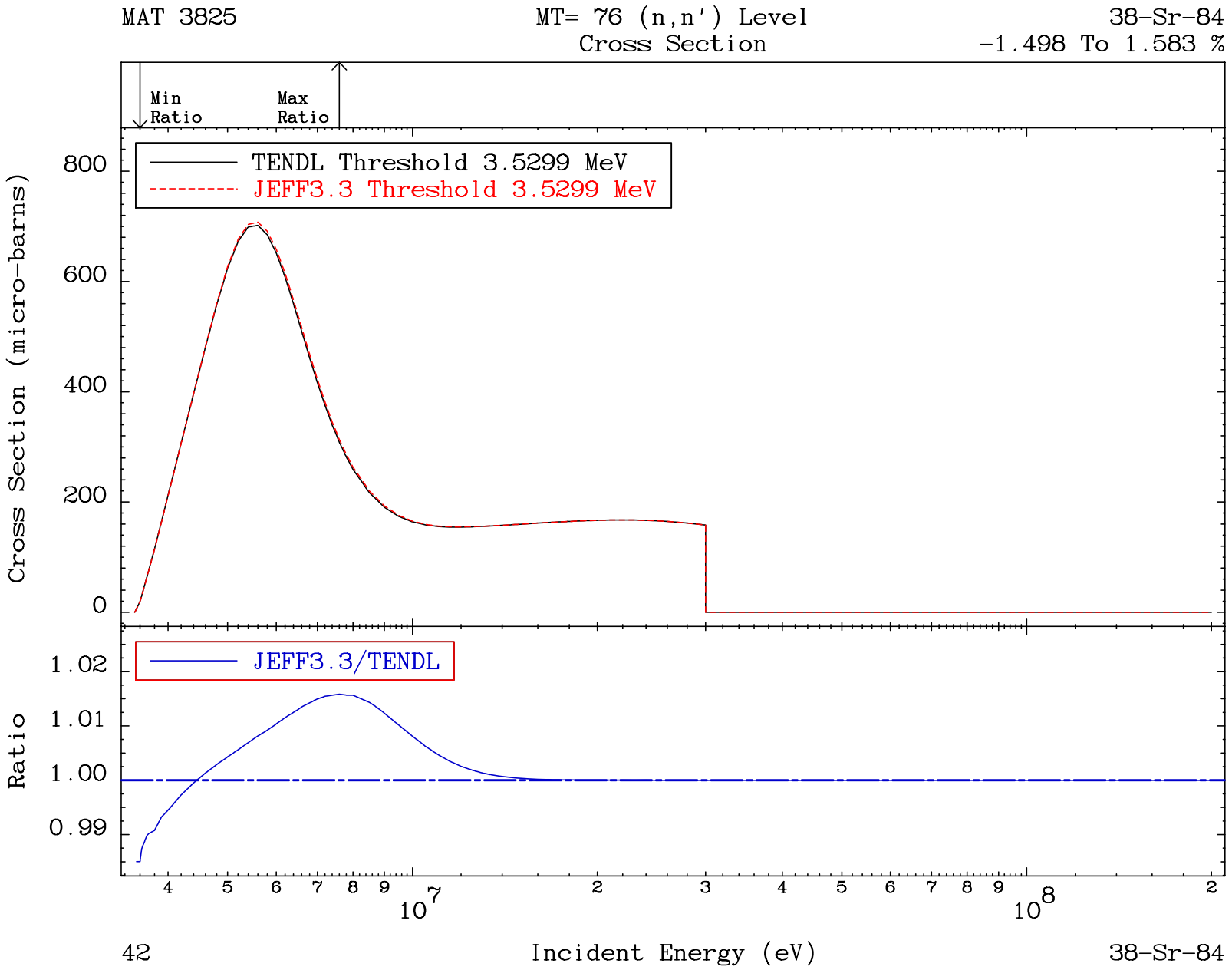

MAT 3825
MT= 71 (n,n') Level
Cross Section
38-Sr-84
-0.228 To 1.519 %
Min Ratio
Max Ratio
TENDL Threshold 3.3099 MeV
JEFF3.3 Threshold 3.3099 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
37
Incident Energy (eV)
38-Sr-84

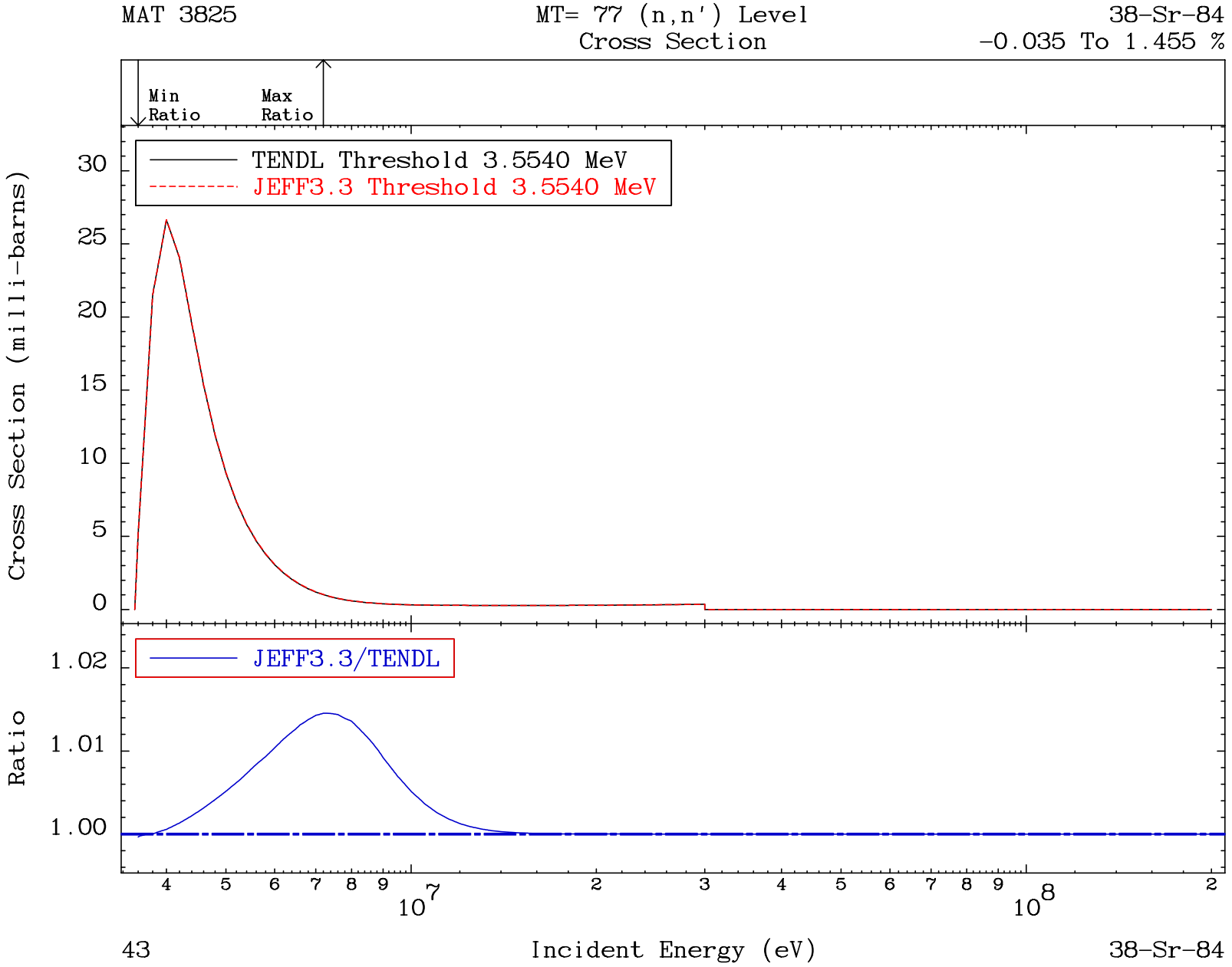

MAT 3825
MT= 72 (n,n') Level
Cross Section
38-Sr-84
-0.701 To 16.21 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.3186 MeV
JEFF3.3 Threshold 3.3186 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
JEFF3.3/TENDL
Ratio
1.0
1.1
1.2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
38
Incident Energy (eV)
38-Sr-84

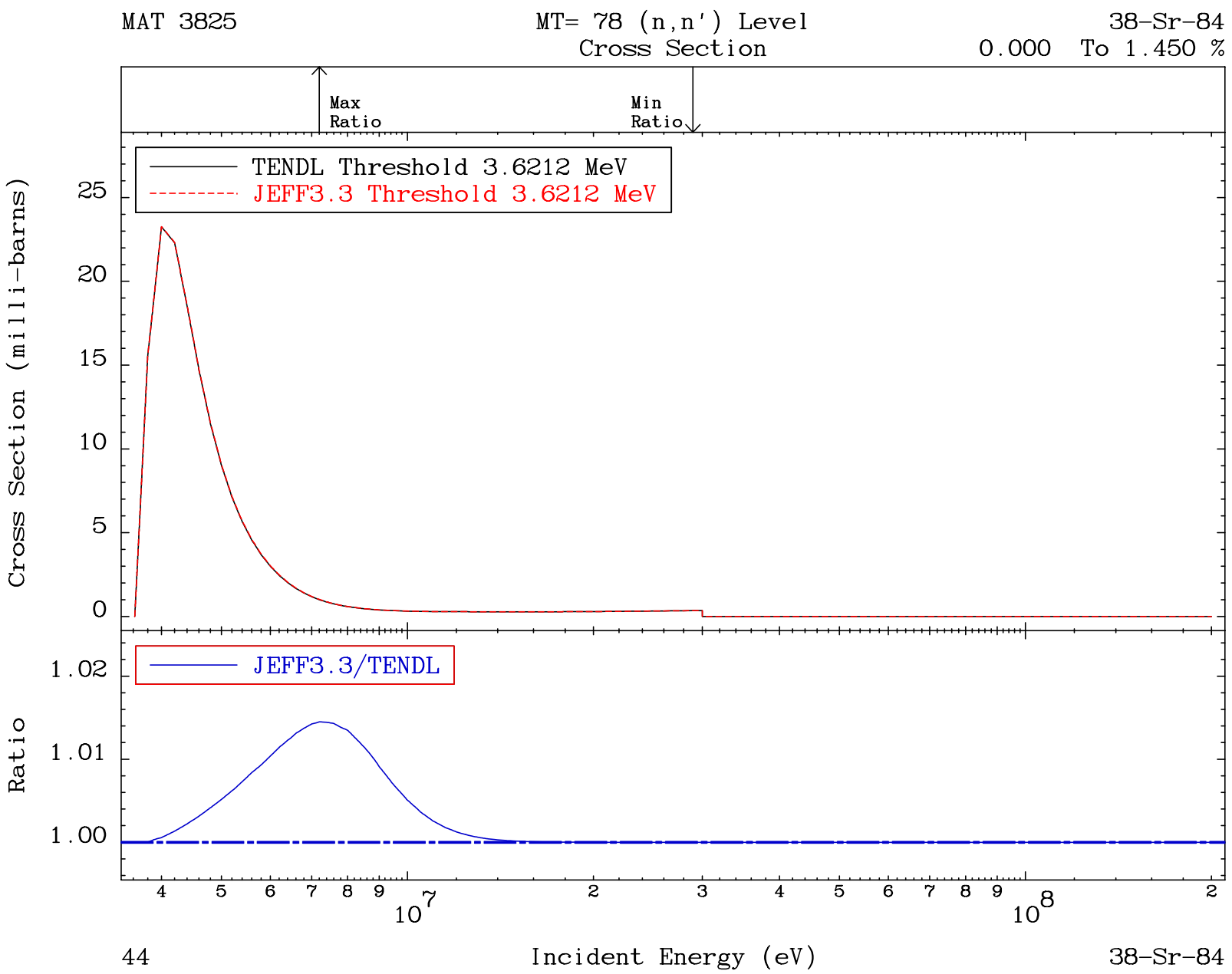

MAT 3825
MT= 73 (n,n') Level
Cross Section
38-Sr-84
-0.045 To 16.21 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.3700 MeV
JEFF3.3 Threshold 3.3700 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.2
1.1
1.0
4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
39
Incident Energy (eV)
38-Sr-84

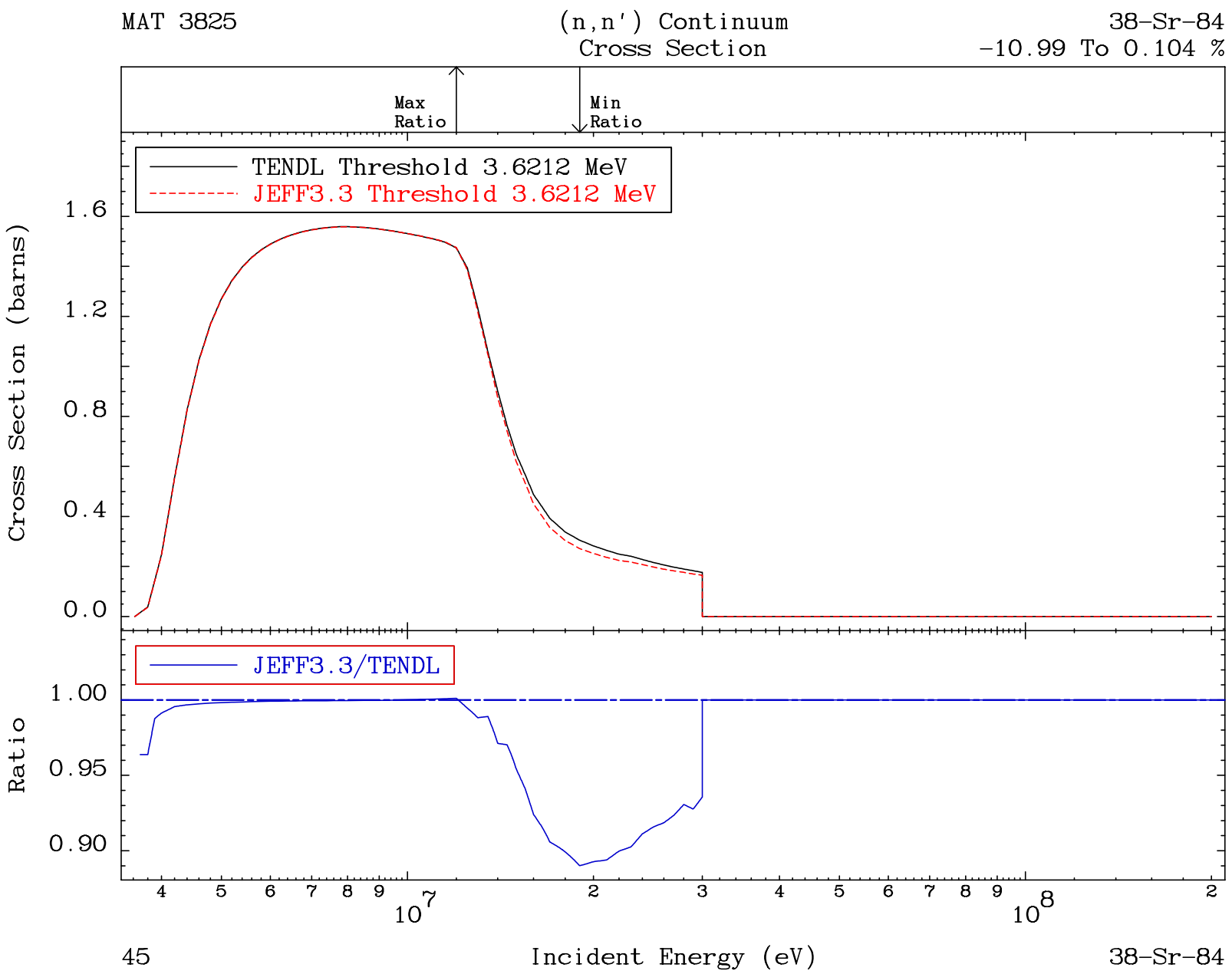

MAT 3825
MT= 74 (n,n') Level
Cross Section
38-Sr-84
-5.688 To 1.648 %
Min Ratio
Max Ratio
TENDL Threshold 3.3720 MeV
JEFF3.3 Threshold 3.3720 MeV
Cross Section (micro-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.00
0.96
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
40
Incident Energy (eV)
38-Sr-84

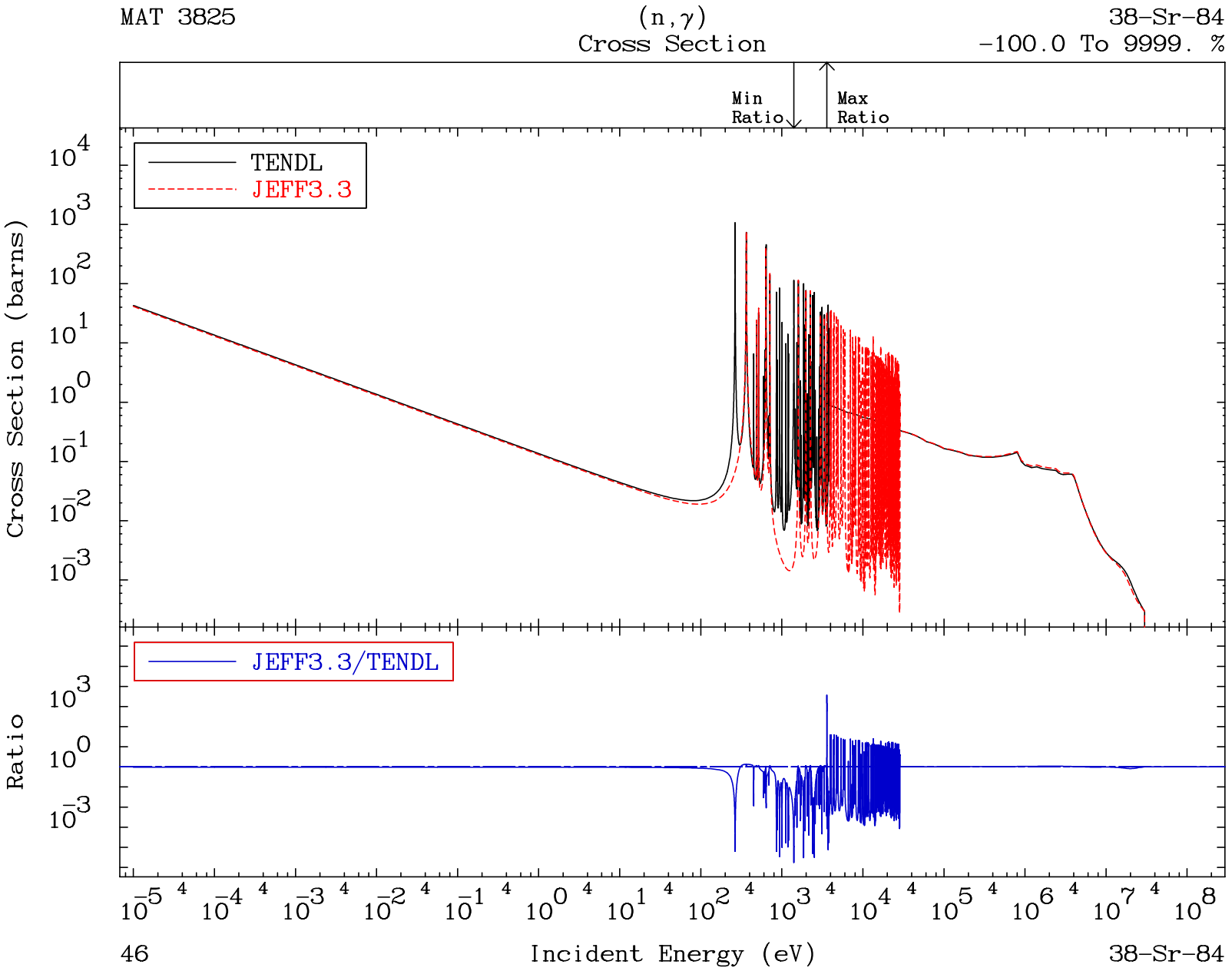

MAT 3825
MT= 75 (n,n') Level
Cross Section
38-Sr-84
-0.039 To 1.460 %
Min Ratio
Max Ratio
TENDL Threshold 3.4965 MeV
JEFF3.3 Threshold 3.4965 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
41
Incident Energy (eV)
38-Sr-84

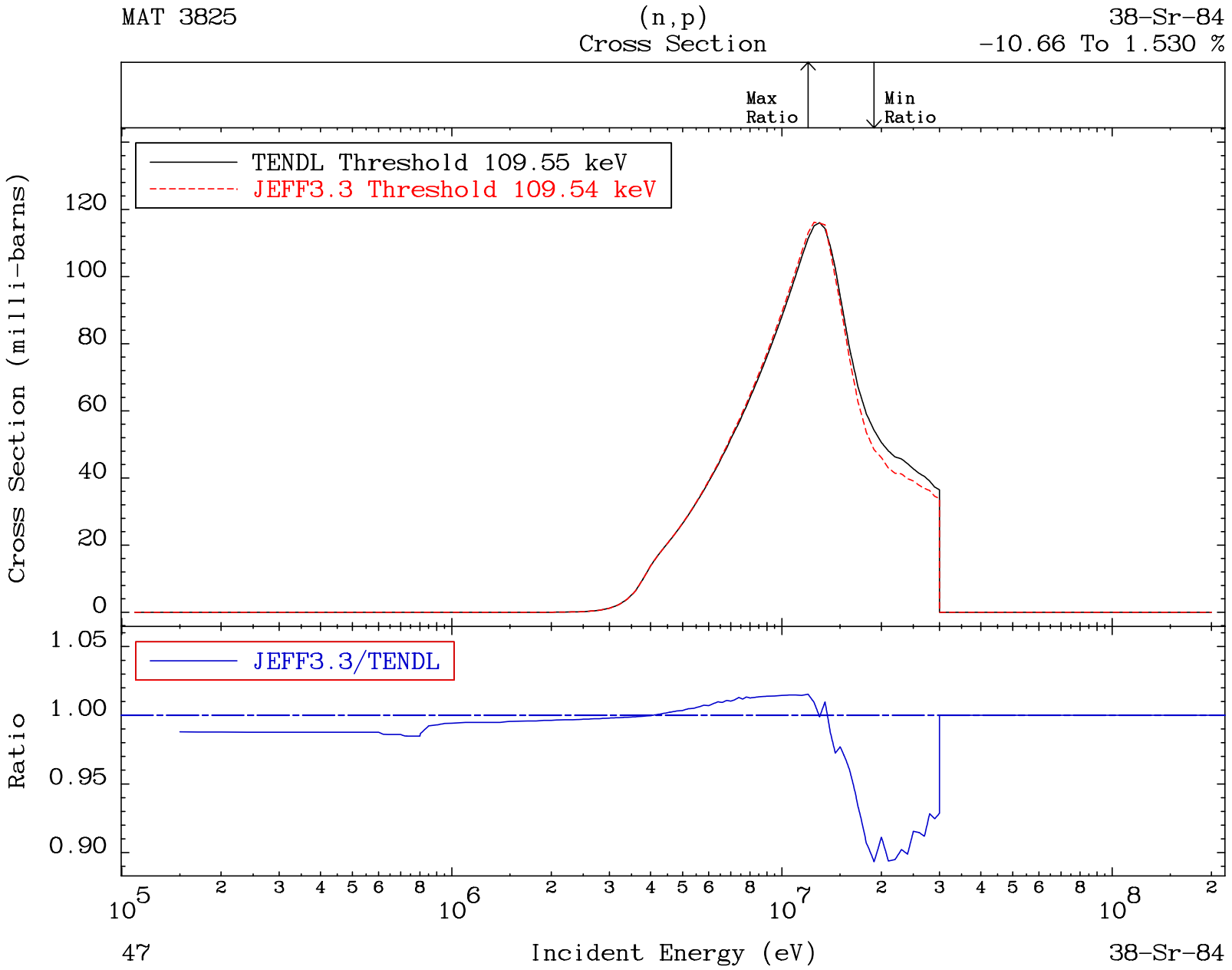

MAT 3825
MT= 76 (n,n') Level
Cross Section
38-Sr-84
-1.498 To 1.583 %
Min Ratio
Max Ratio
TENDL Threshold 3.5299 MeV
JEFF3.3 Threshold 3.5299 MeV
Cross Section (micro-barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
42
Incident Energy (eV)
38-Sr-84

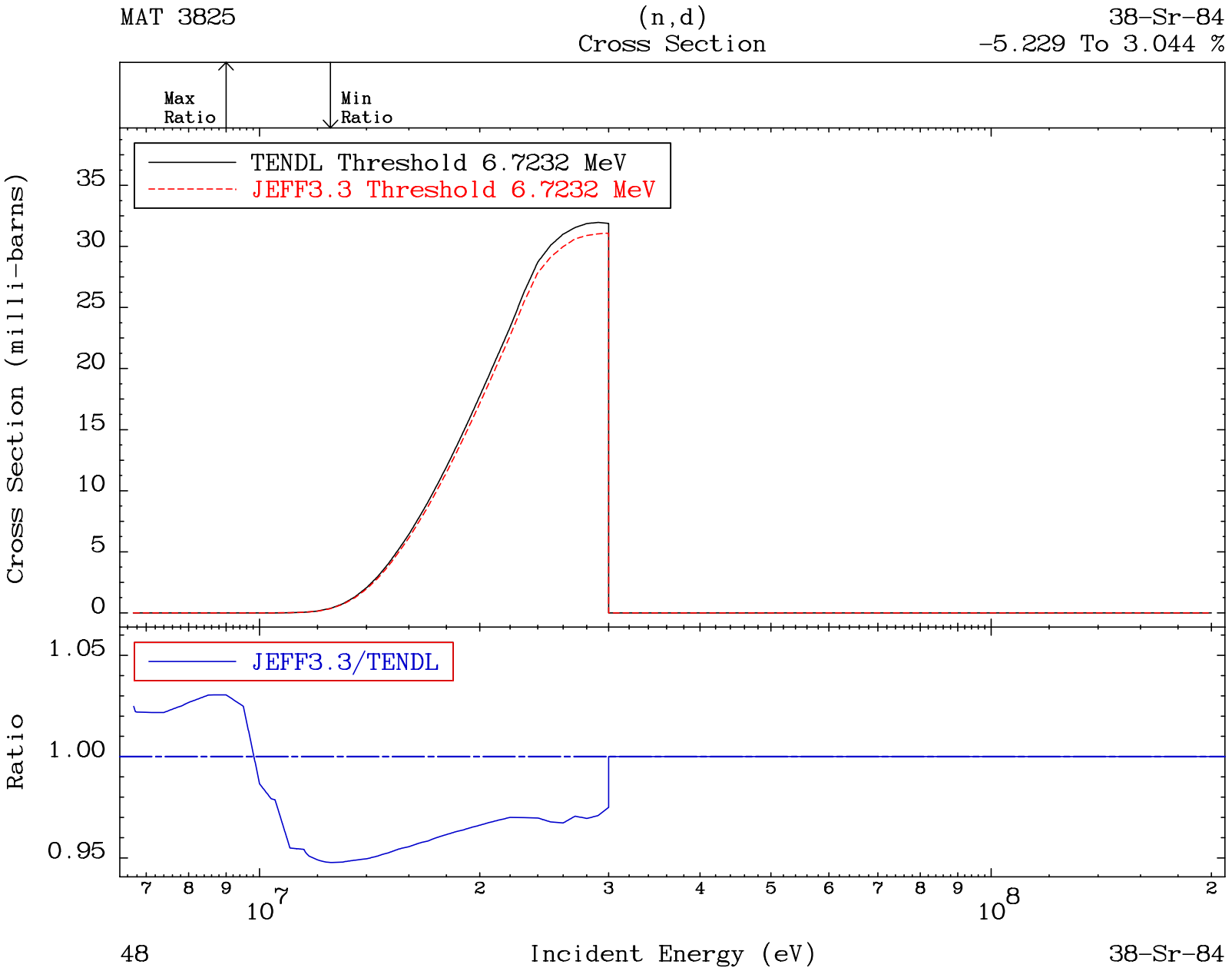

MAT 3825
MT= 77 (n,n') Level
Cross Section
38-Sr-84
-0.035 To 1.455 %
Min Ratio
Max Ratio
TENDL Threshold 3.5540 MeV
JEFF3.3 Threshold 3.5540 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
43
Incident Energy (eV)
38-Sr-84

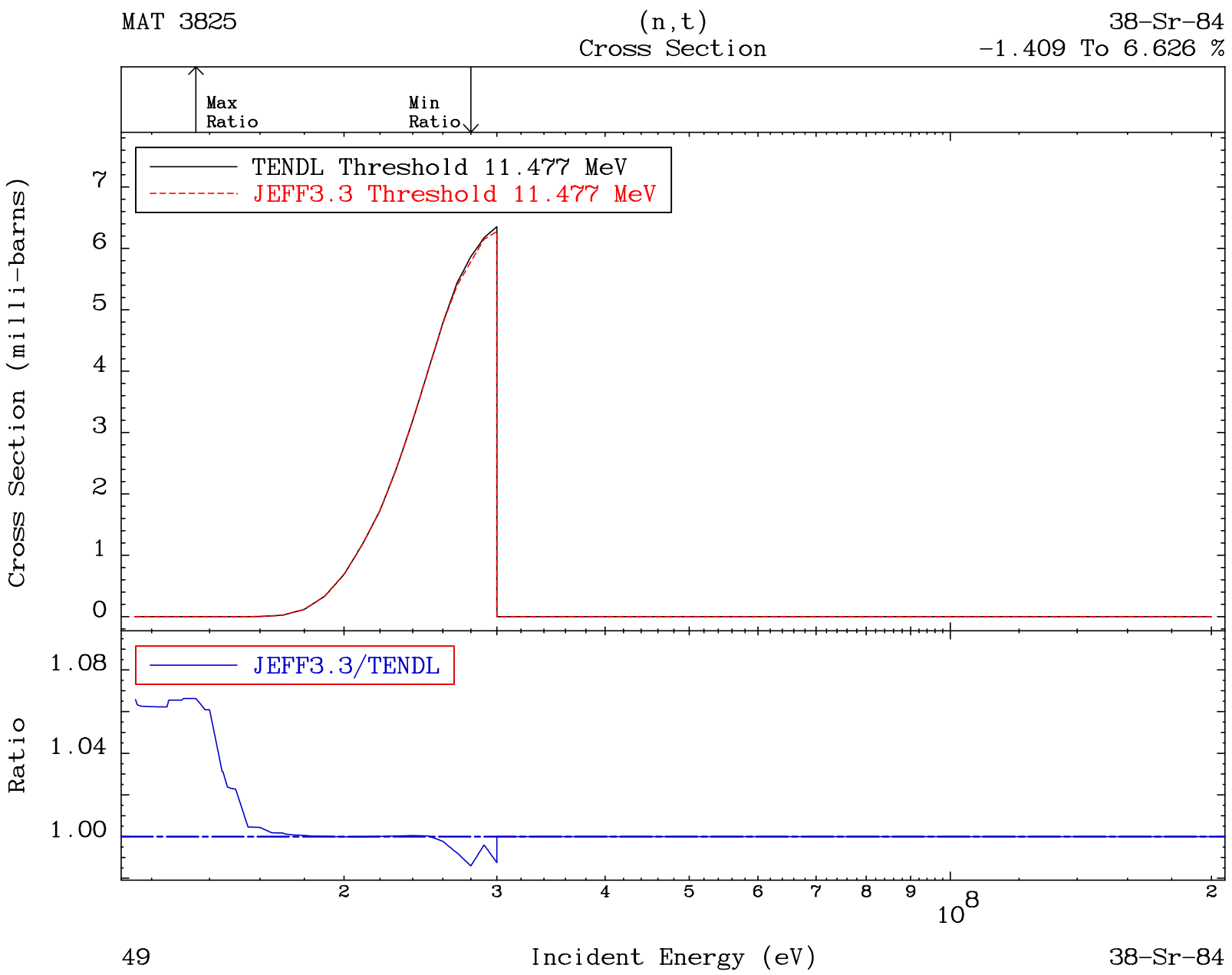

MAT 3825
MT= 78 (n,n') Level
Cross Section
38-Sr-84
0.000 To 1.450 %
Max Ratio
Min Ratio
TENDL Threshold 3.6212 MeV
JEFF3.3 Threshold 3.6212 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
44
Incident Energy (eV)
38-Sr-84

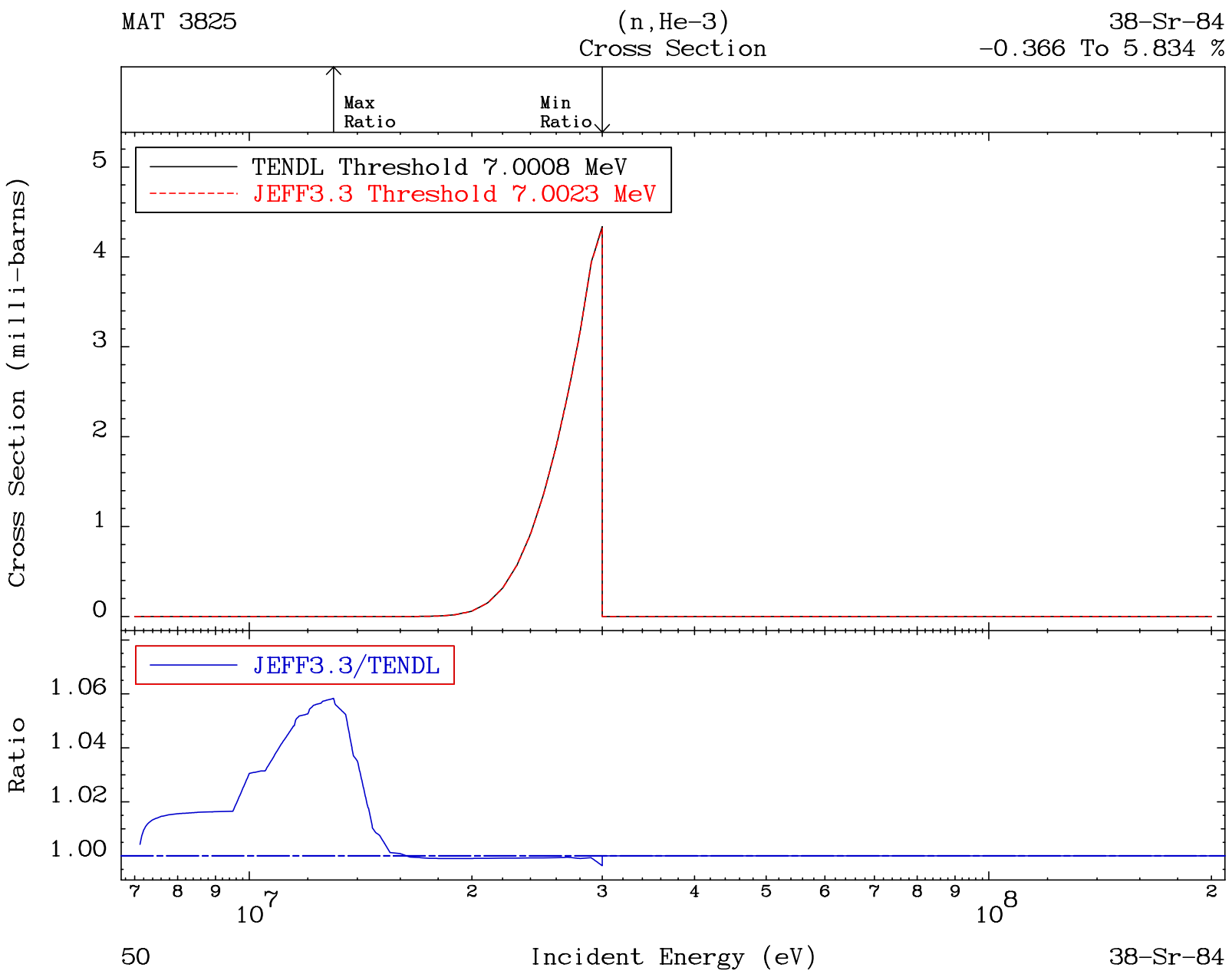

MAT 3825
(n,n') Continuum
Cross Section
38-Sr-84
-10.99 To 0.104 %
Max
Ratio
Min
Ratio
TENDL Threshold 3.6212 MeV
JEFF3.3 Threshold 3.6212 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JEFF3.3/TENDL
Ratio
1.00
0.95
0.90
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
45
Incident Energy (eV)
38-Sr-84

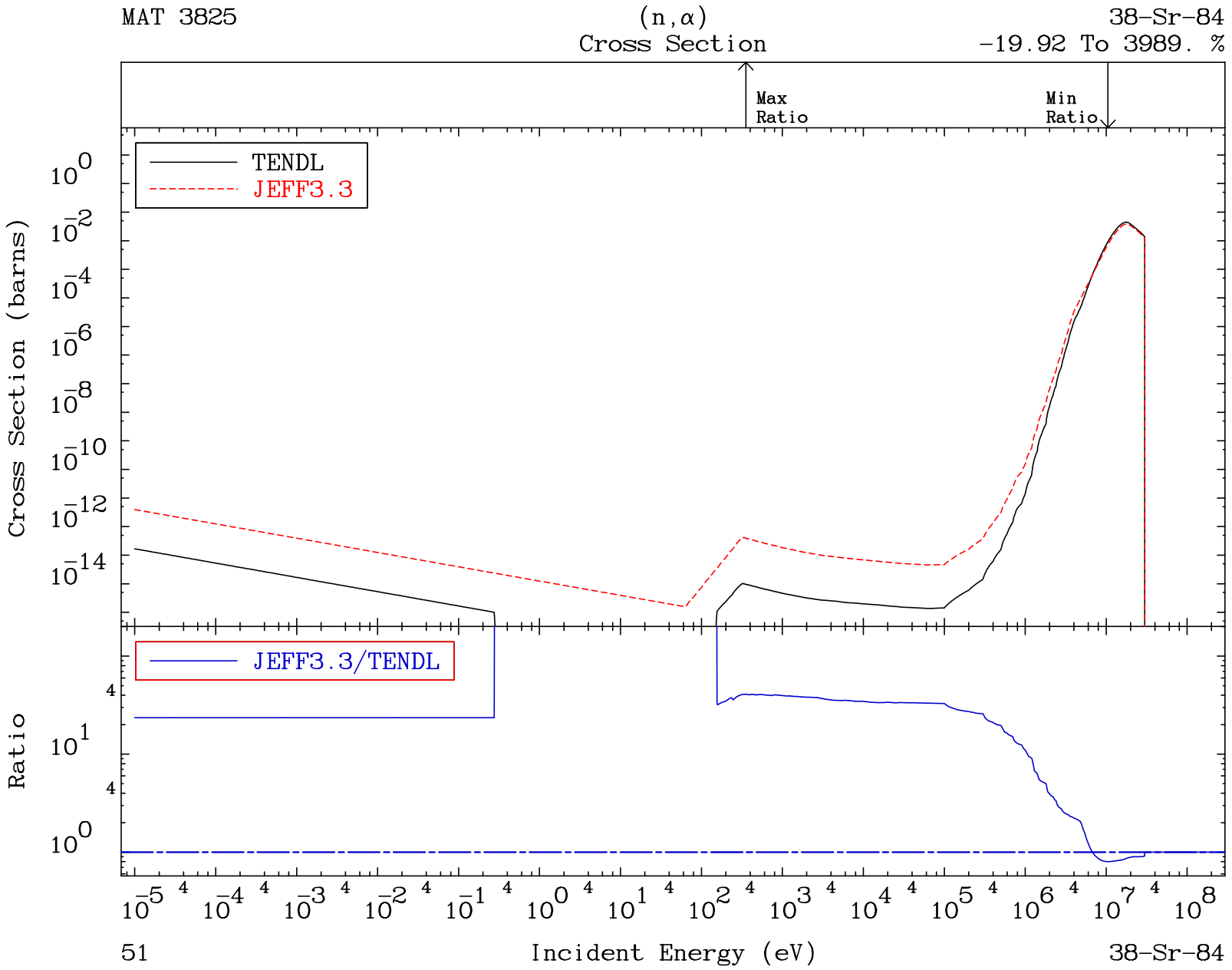

MAT 3825
(n,γ)
Cross Section
38-Sr-84
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
46
38-Sr-84

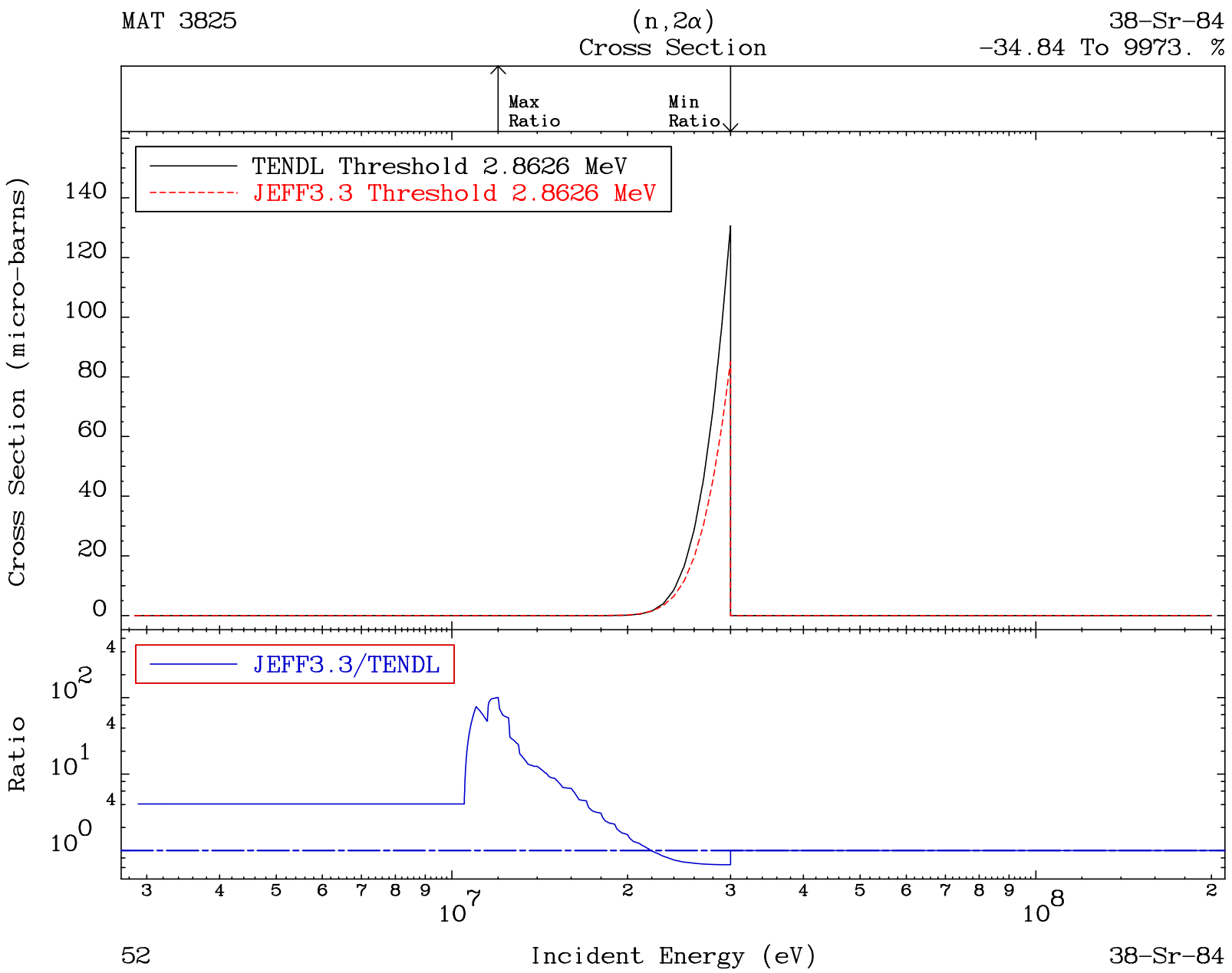

MAT 3825
(n,p)
Cross Section
38-Sr-84
-10.66 To 1.530 %
Max Ratio
Min Ratio
TENDL Threshold 109.55 keV
JEFF3.3 Threshold 109.54 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.05
1.00
0.95
0.90
10^5
10^6
10^7
10^8
47
Incident Energy (eV)
38-Sr-84

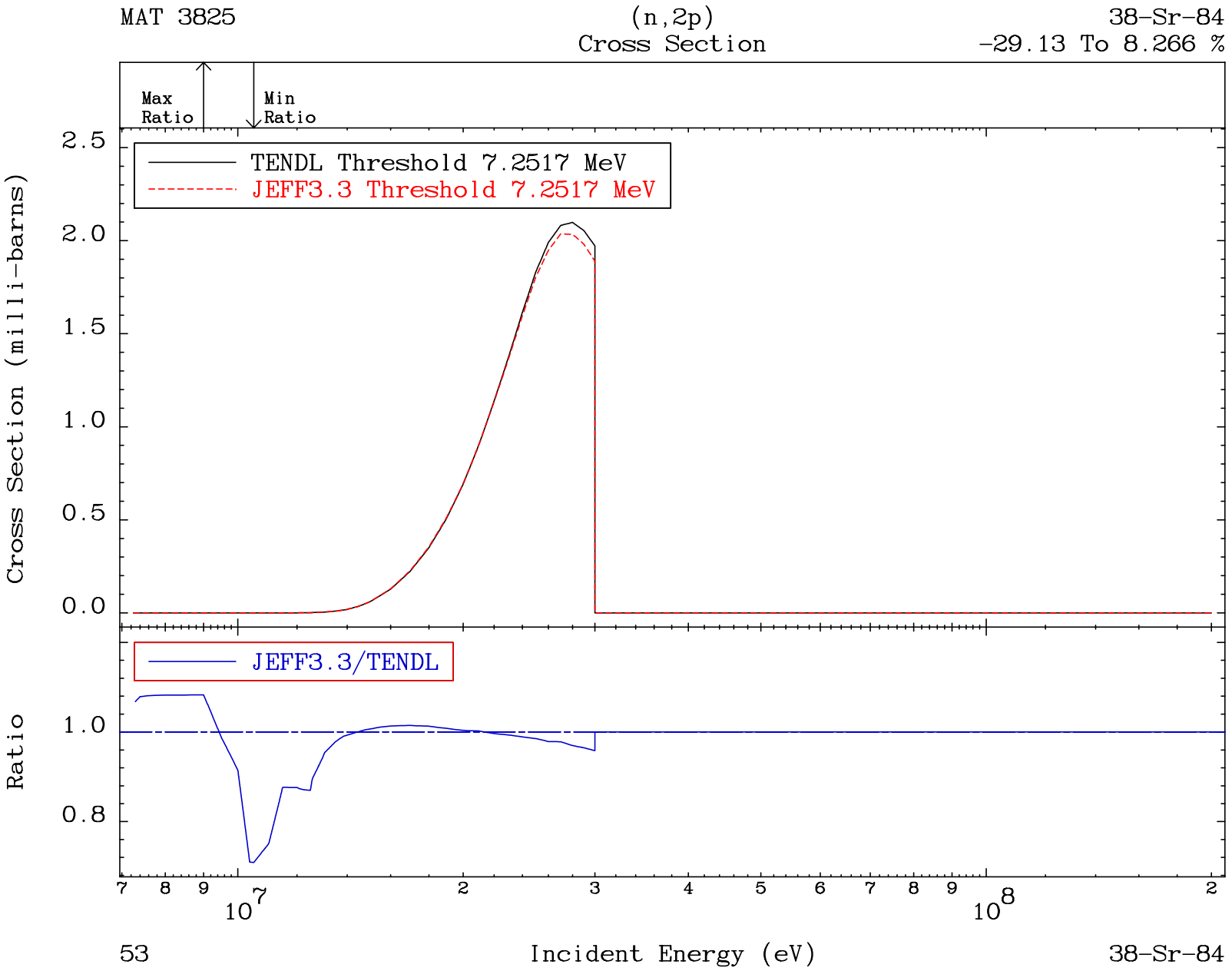

MAT 3825
(n,d)
Cross Section
38-Sr-84
-5.229 To 3.044 %
Max Ratio
Min Ratio
TENDL Threshold 6.7232 MeV
JEFF3.3 Threshold 6.7232 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.05
1.00
0.95
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
48
Incident Energy (eV)
38-Sr-84

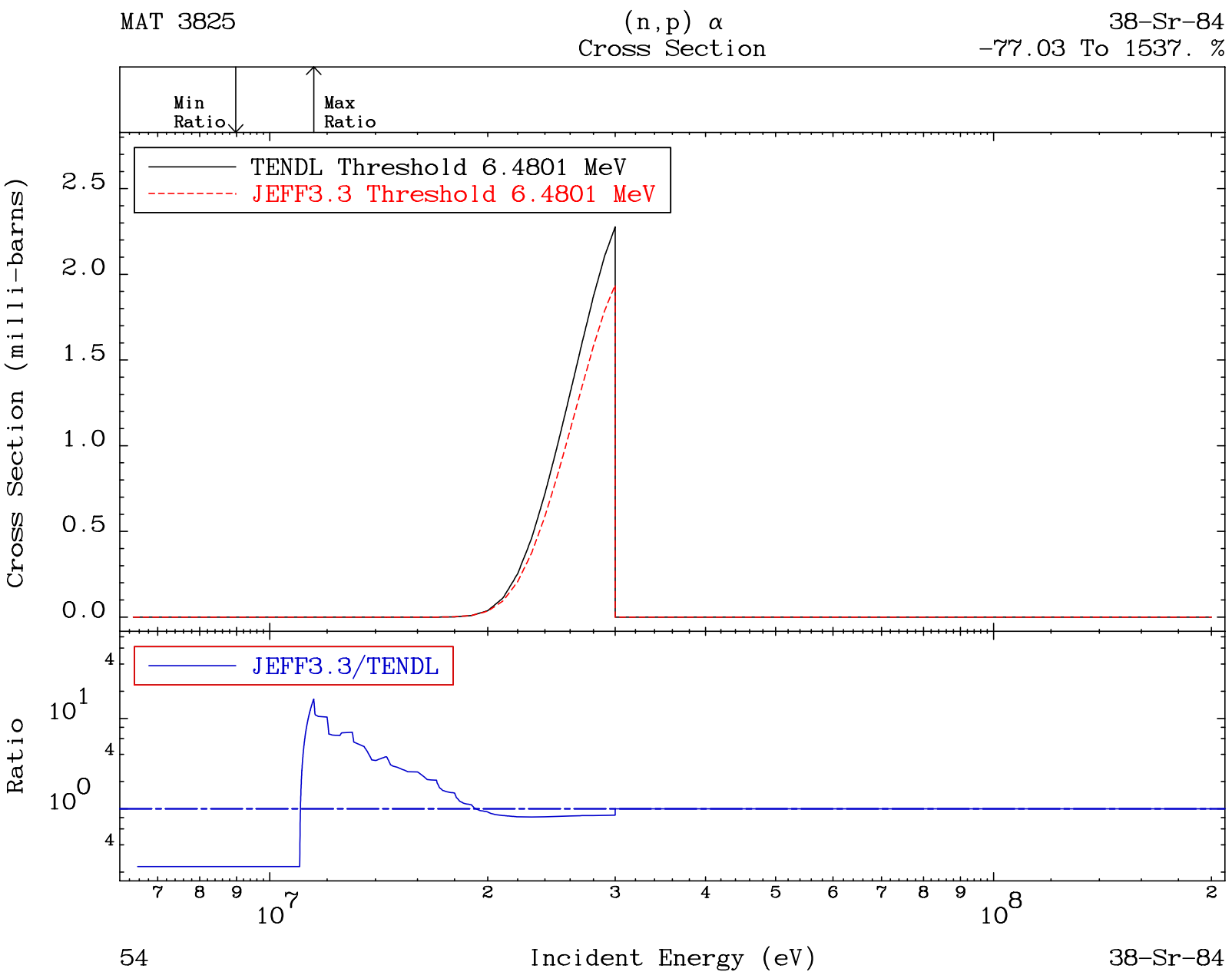

MAT 3825
(n,t)
Cross Section
38-Sr-84
-1.409 To 6.626 %
Max Ratio
Min Ratio
TENDL Threshold 11.477 MeV
JEFF3.3 Threshold 11.477 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
JEFF3.3/TENDL
Ratio
1.00
1.04
1.08
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
38-Sr-84

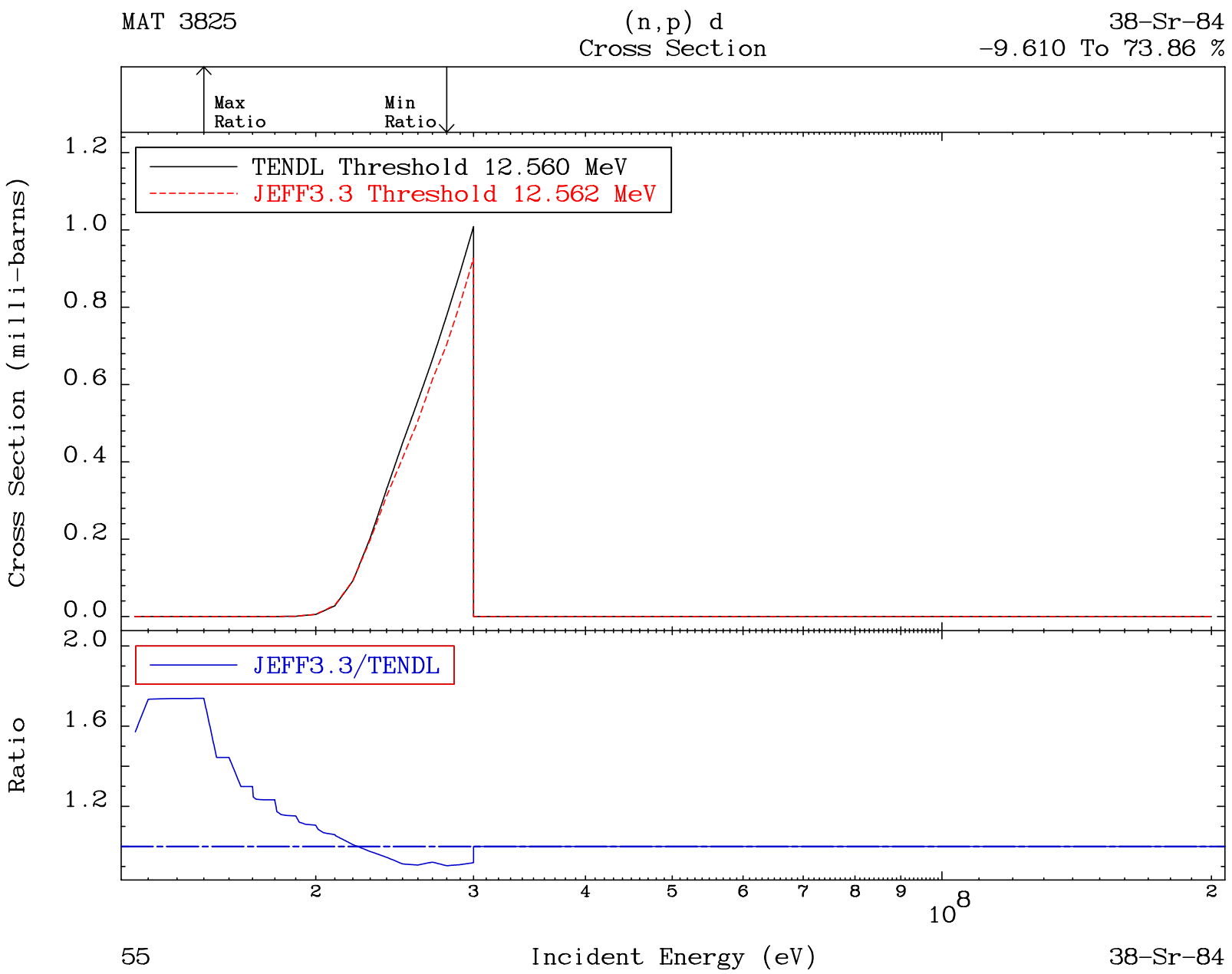

MAT 3825
(n,He-3)
Cross Section
38-Sr-84
-0.366 To 5.834 %
Max Ratio
Min Ratio
TENDL Threshold 7.0008 MeV
JEFF3.3 Threshold 7.0023 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
50
38-Sr-84

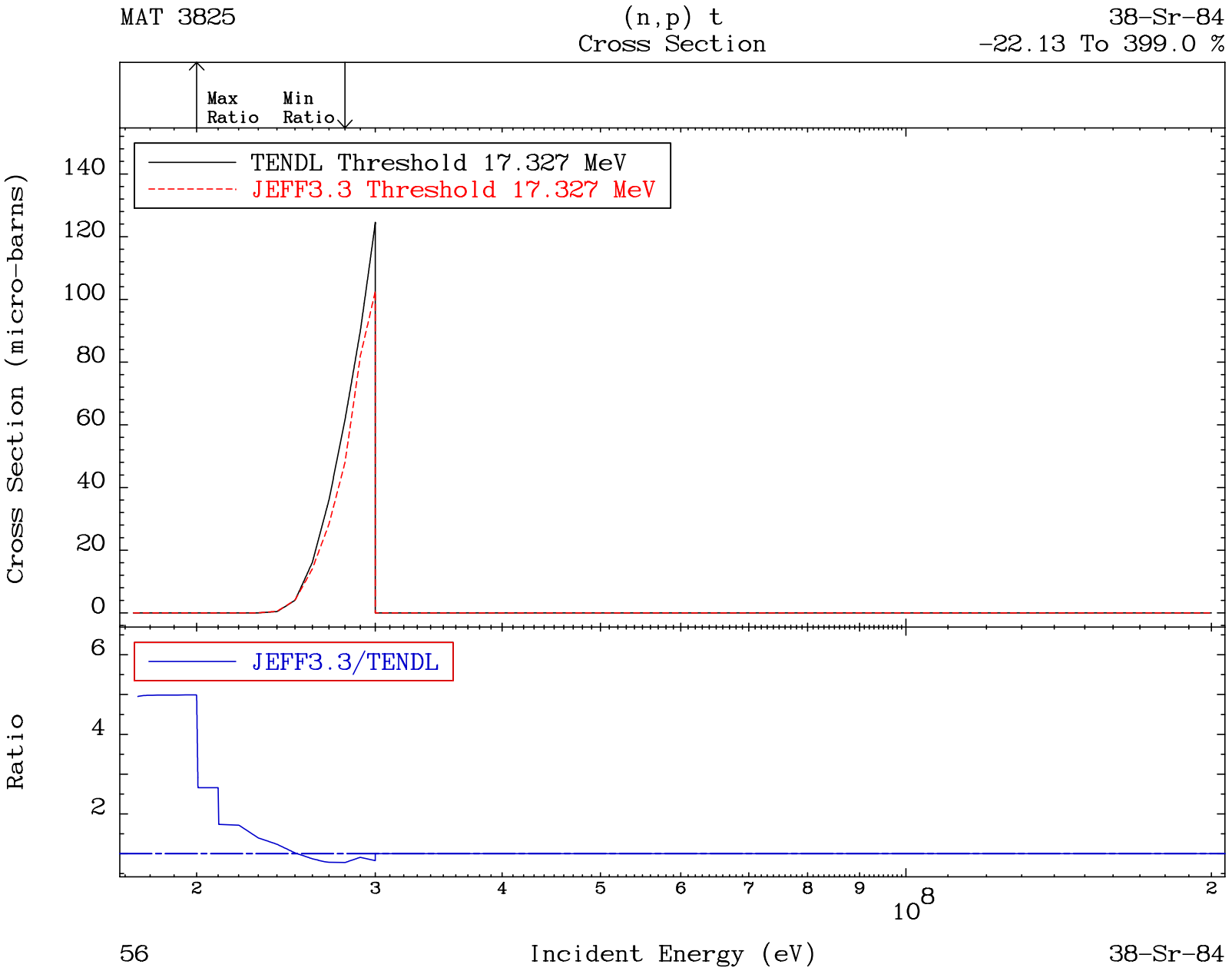

MAT 3825
(n,α)
Cross Section
38-Sr-84
-19.92 To 3989. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
51
38-Sr-84

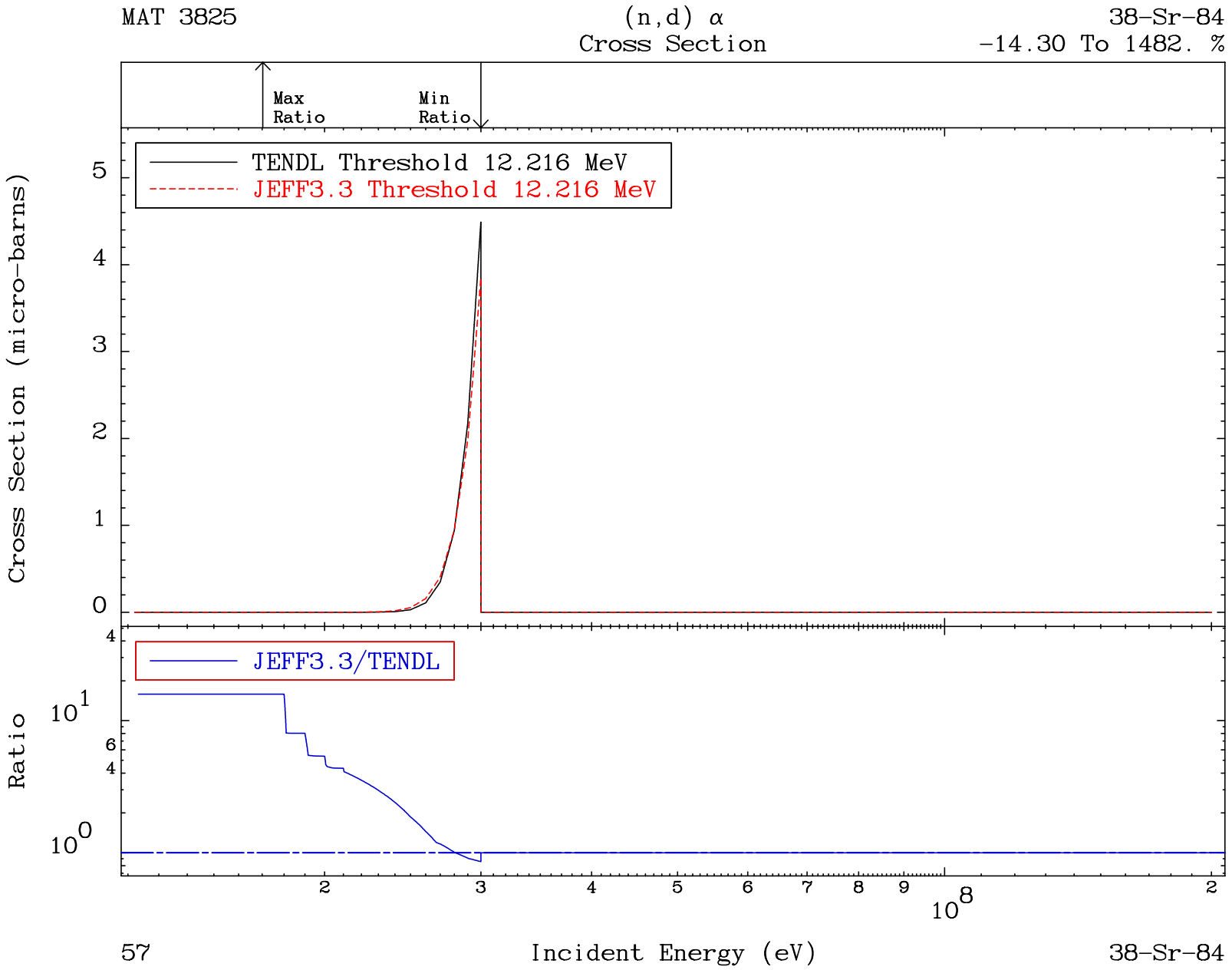

MAT 3825
(n,2α)
Cross Section
38-Sr-84
-34.84 To 9973. %
Max Ratio
Min Ratio
TENDL Threshold 2.8626 MeV
JEFF3.3 Threshold 2.8626 MeV
Cross Section (micro-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
52
Incident Energy (eV)
38-Sr-84

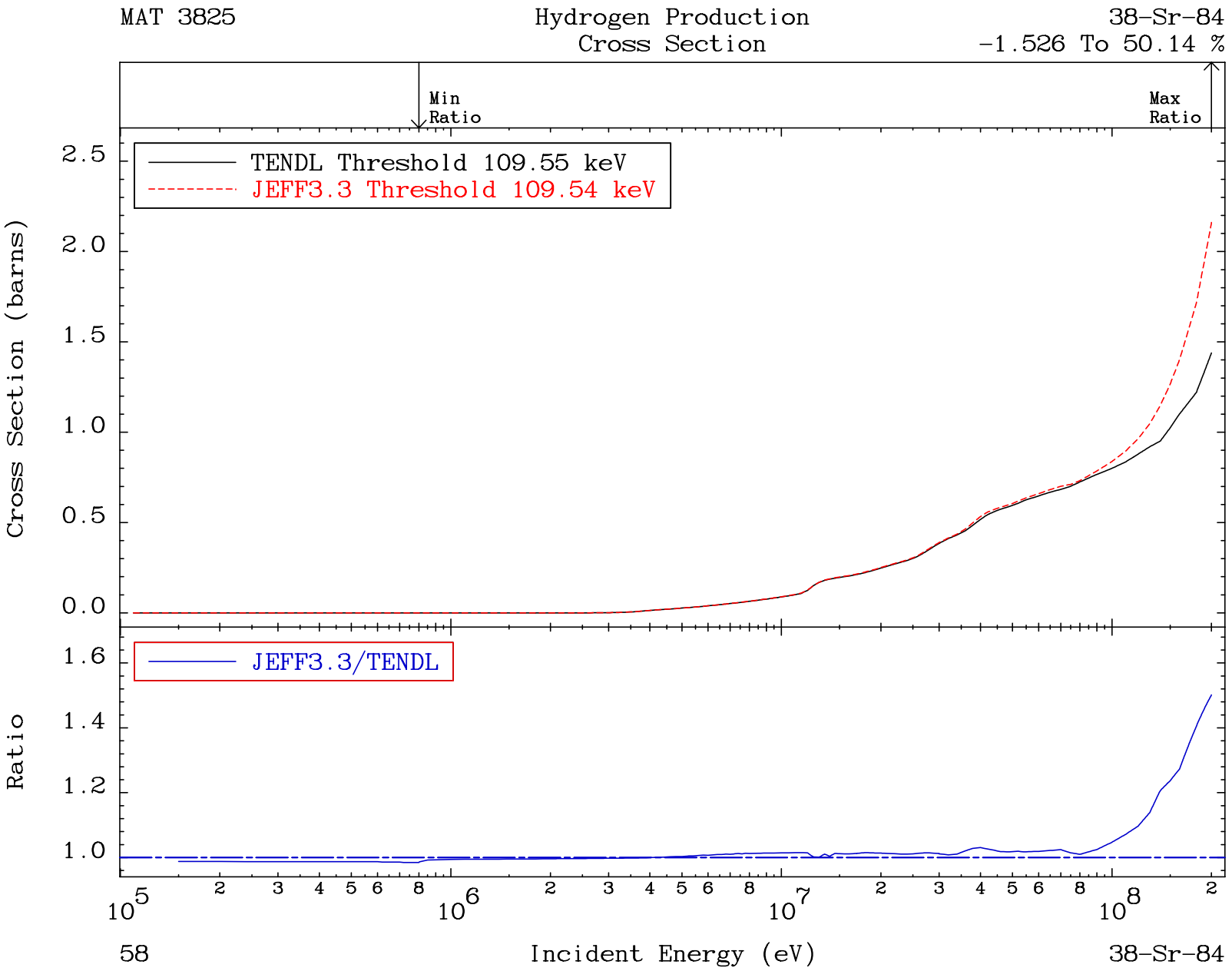

MAT 3825
(n,2p)
Cross Section
38-Sr-84
-29.13 To 8.266 %
Max Ratio
Min Ratio
TENDL Threshold 7.2517 MeV
JEFF3.3 Threshold 7.2517 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.0
0.8
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
53
Incident Energy (eV)
38-Sr-84

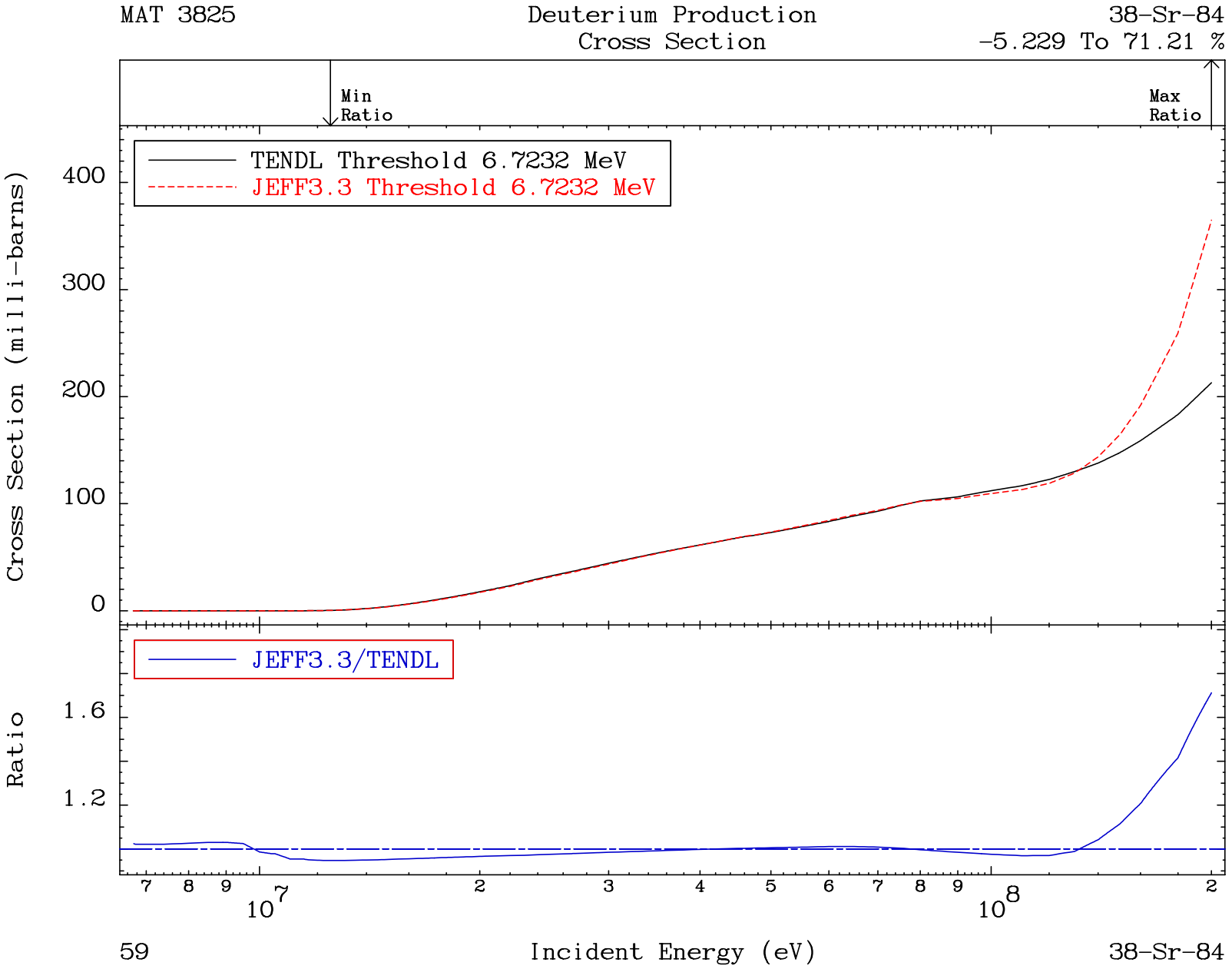

MAT 3825
(n,p) α
Cross Section
38-Sr-84
-77.03 To 1537. %
Min Ratio
Max Ratio
TENDL Threshold 6.4801 MeV
JEFF3.3 Threshold 6.4801 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^1
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
54
Incident Energy (eV)
38-Sr-84

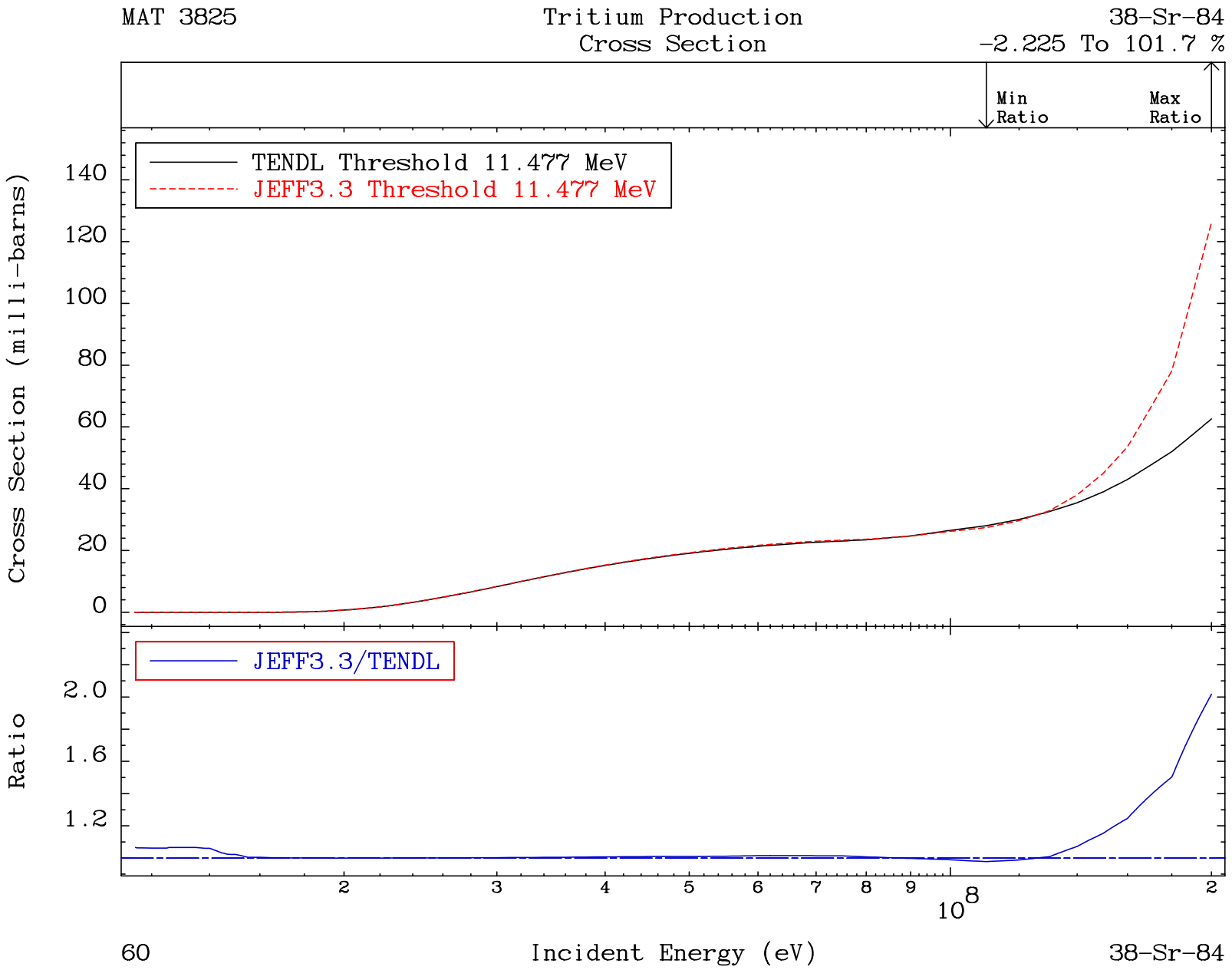

MAT 3825
(n,p) d
Cross Section
38-Sr-84
-9.610 To 73.86 %
Max Ratio
Min Ratio
TENDL Threshold 12.560 MeV
JEFF3.3 Threshold 12.562 MeV
Cross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
55
Incident Energy (eV)
38-Sr-84

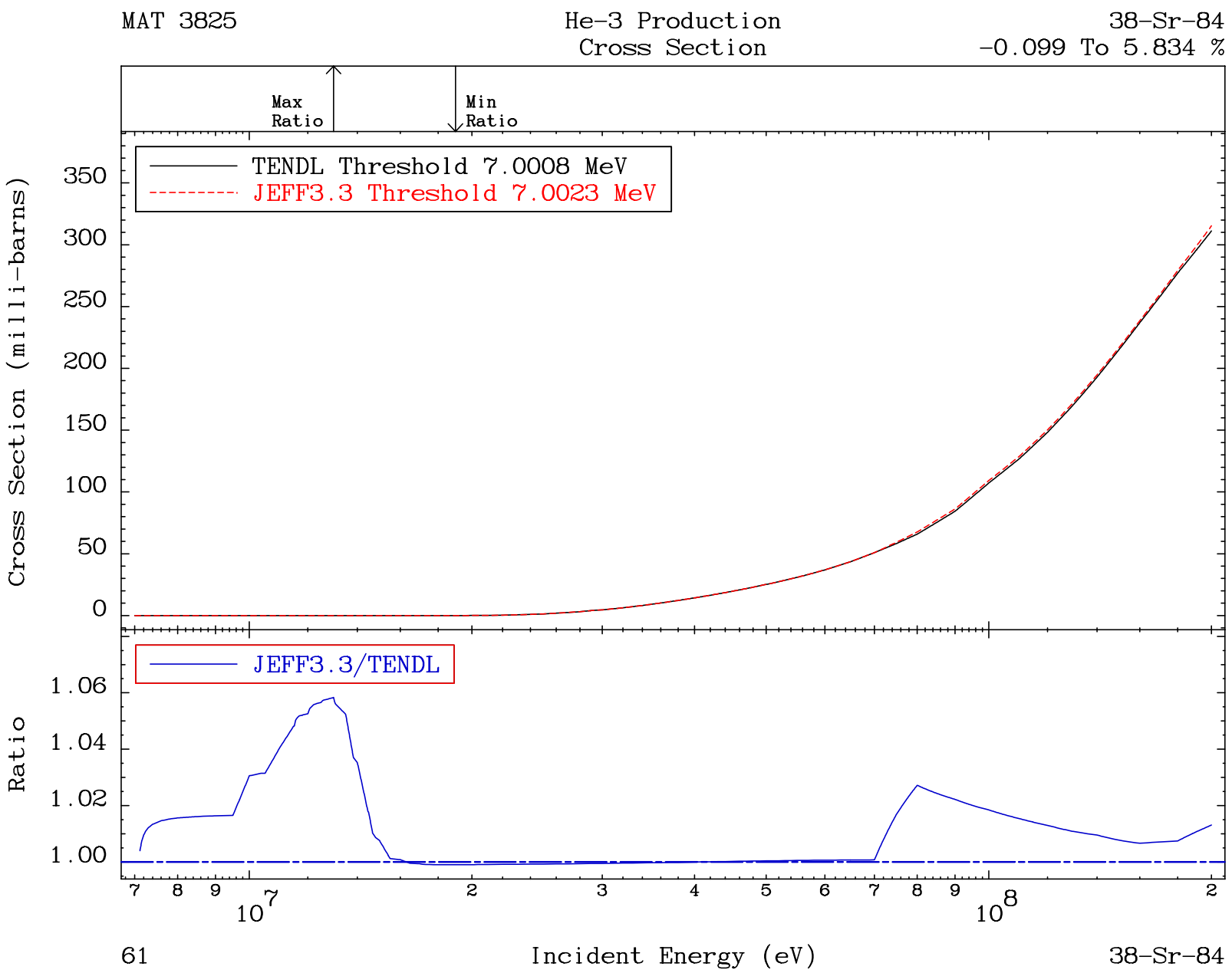

MAT 3825
(n,p) t
Cross Section
38-Sr-84
-22.13 To 399.0 %
Max Ratio
Min Ratio
TENDL Threshold 17.327 MeV
JEFF3.3 Threshold 17.327 MeV
Cross Section (micro-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
6
4
2
2
3
4
5
6
7
8
9
10^8
2
56
Incident Energy (eV)
38-Sr-84

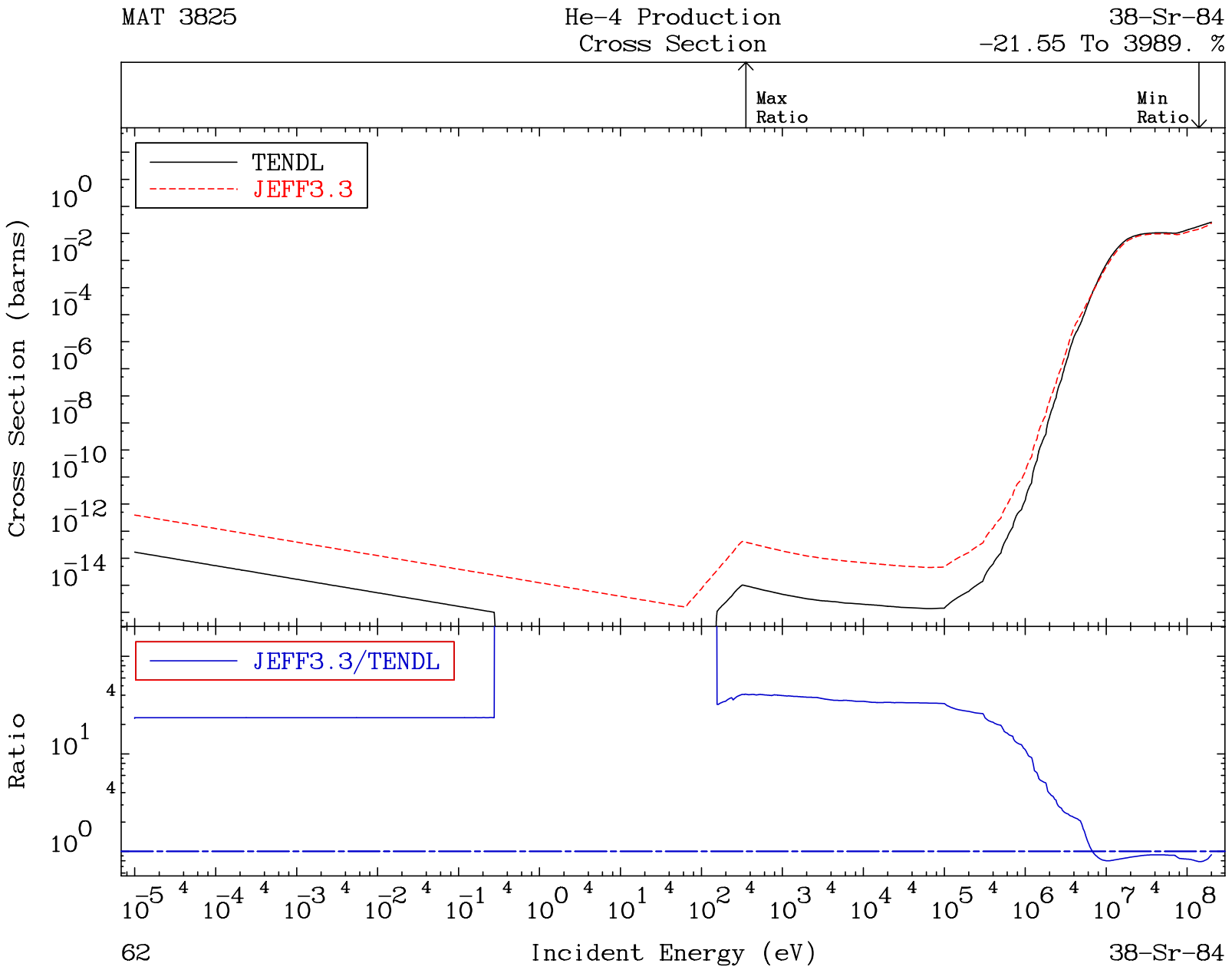

MAT 3825
(n,d) α
Cross Section
38-Sr-84
-14.30 To 1482. %
Max Ratio
Min Ratio
TENDL Threshold 12.216 MeV
JEFF3.3 Threshold 12.216 MeV
Cross Section (micro-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
57
38-Sr-84

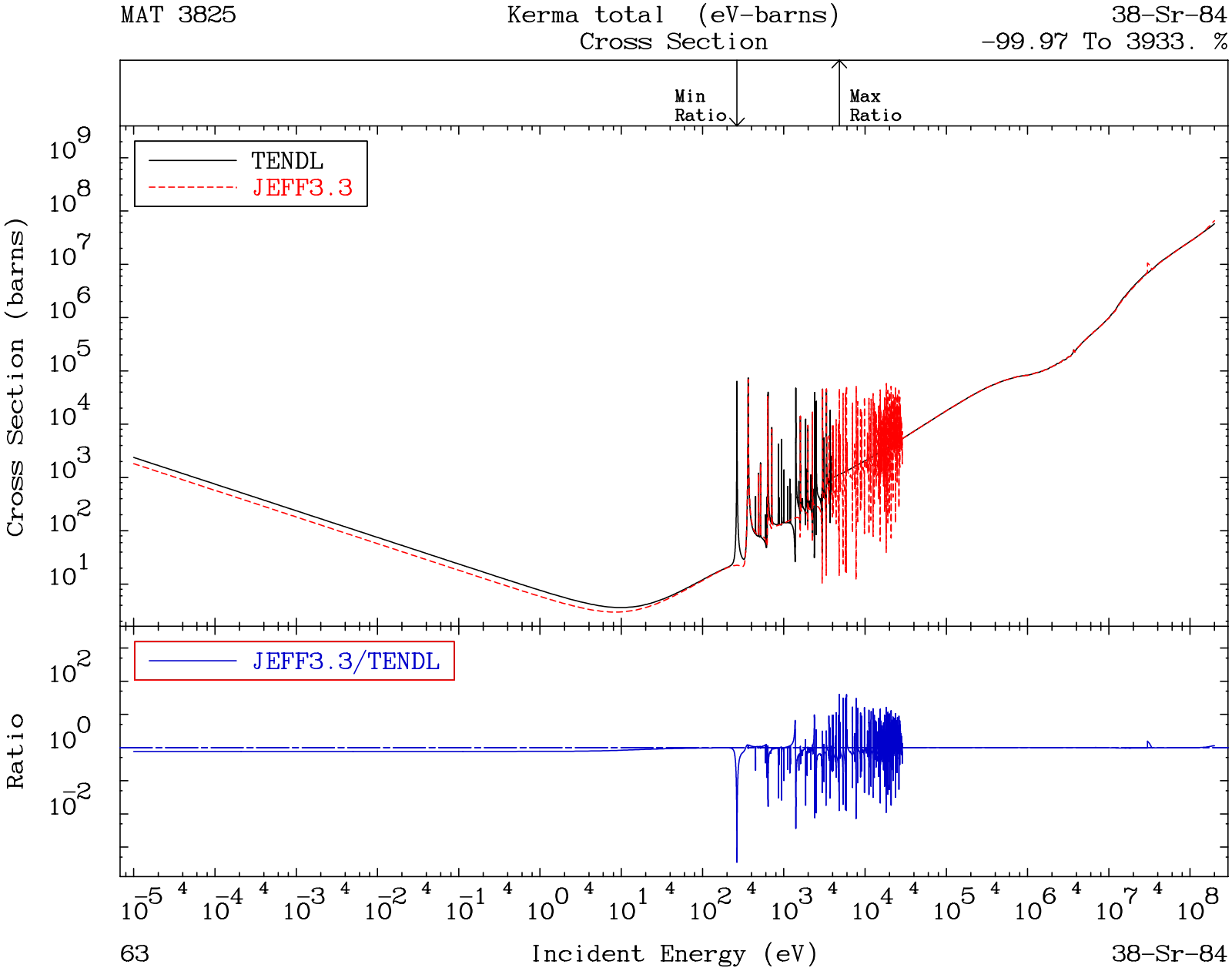

MAT 3825
Hydrogen Production
Cross Section
38-Sr-84
-1.526 To 50.14 %
Min Ratio
Max Ratio
TENDL Threshold 109.55 keV
JEFF3.3 Threshold 109.54 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.6
1.4
1.2
1.0
10^5
10^6
10^7
10^8
58
Incident Energy (eV)
38-Sr-84

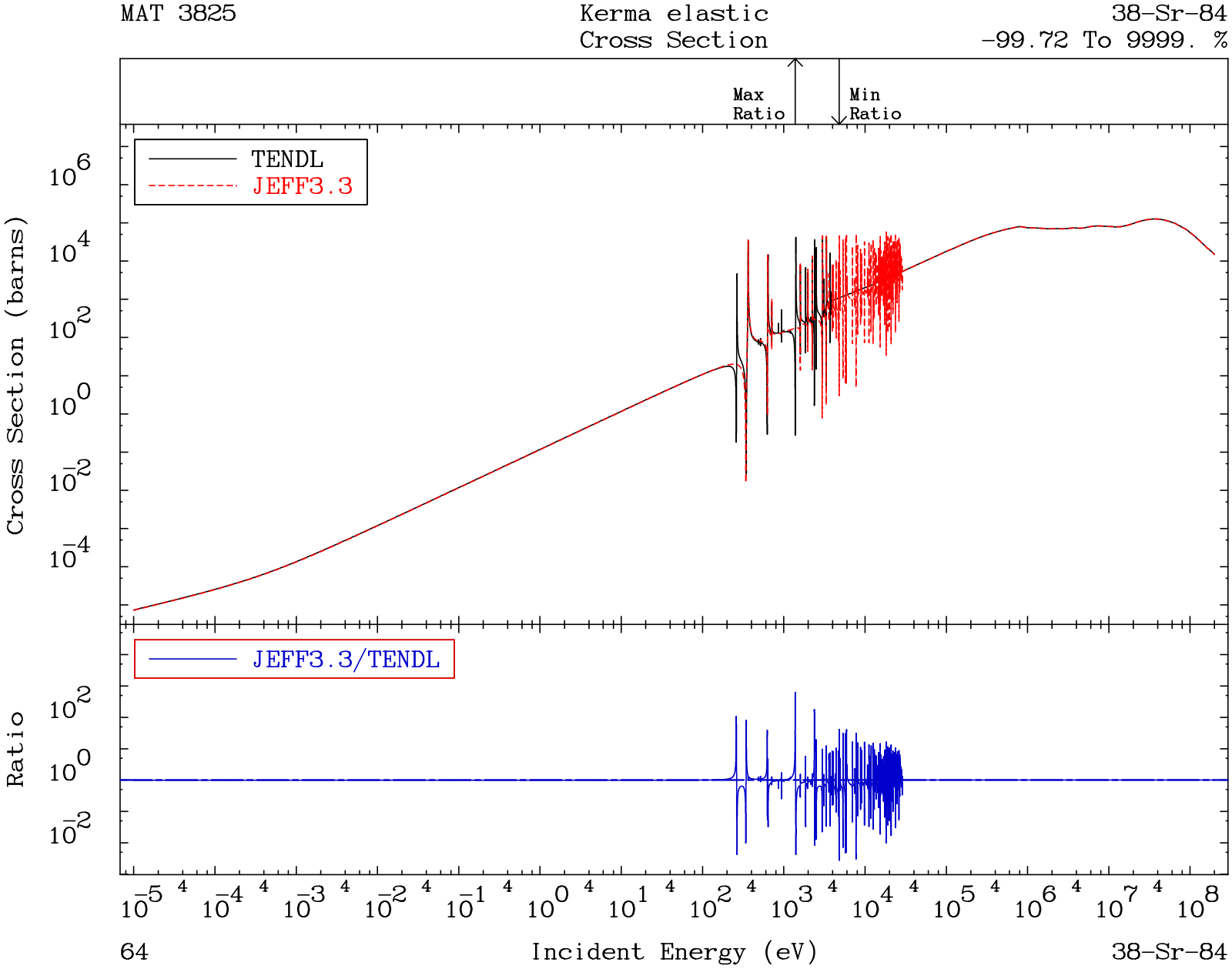

MAT 3825
Deuterium Production
Cross Section
38-Sr-84
-5.229 To 71.21 %
Min Ratio
Max Ratio
TENDL Threshold 6.7232 MeV
JEFF3.3 Threshold 6.7232 MeV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.6
1.2
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
59
Incident Energy (eV)
38-Sr-84

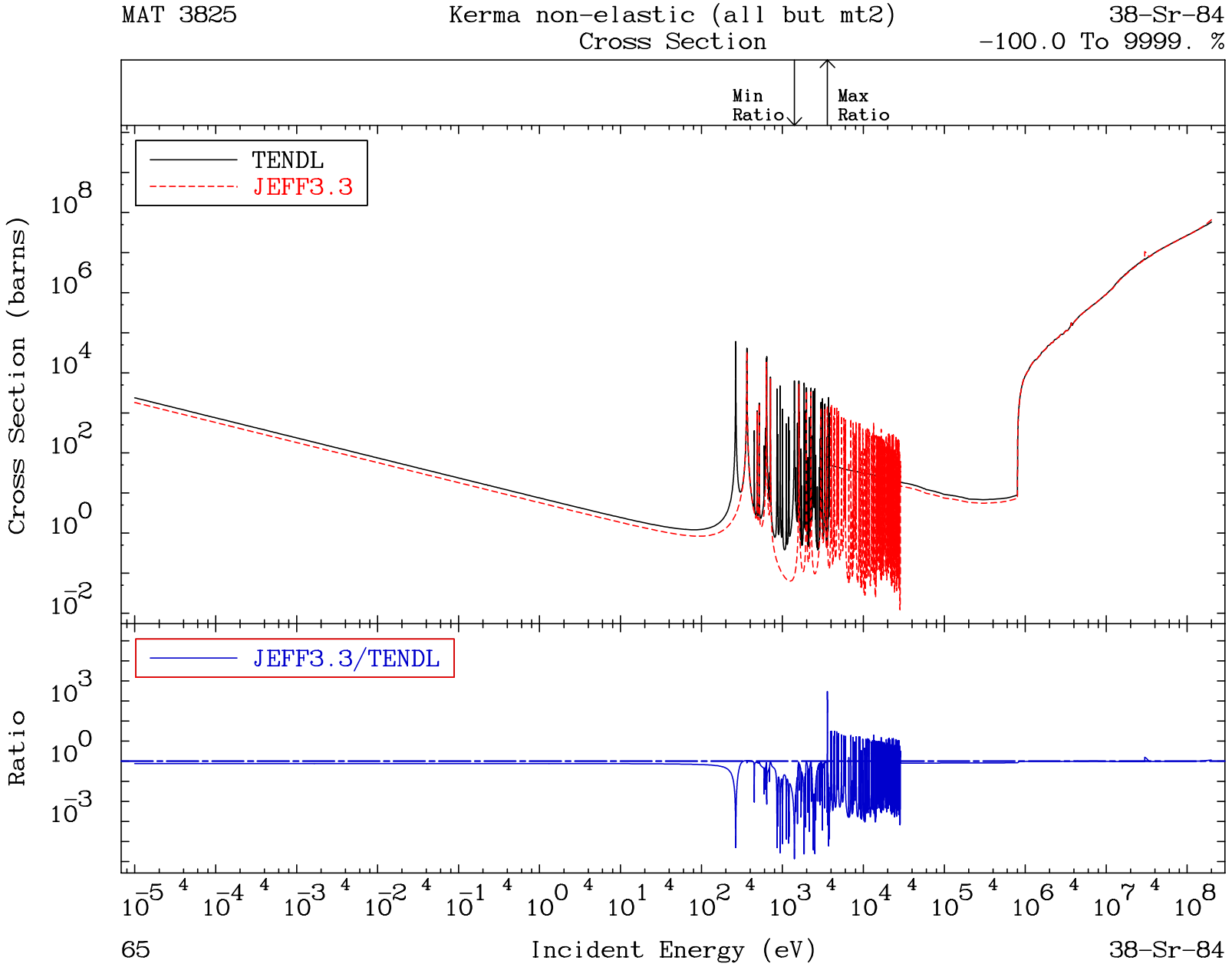

MAT 3825
Tritium Production
Cross Section
38-Sr-84
-2.225 To 101.7 %
Min Ratio
Max Ratio
TENDL Threshold 11.477 MeV
JEFF3.3 Threshold 11.477 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
60
Incident Energy (eV)
38-Sr-84

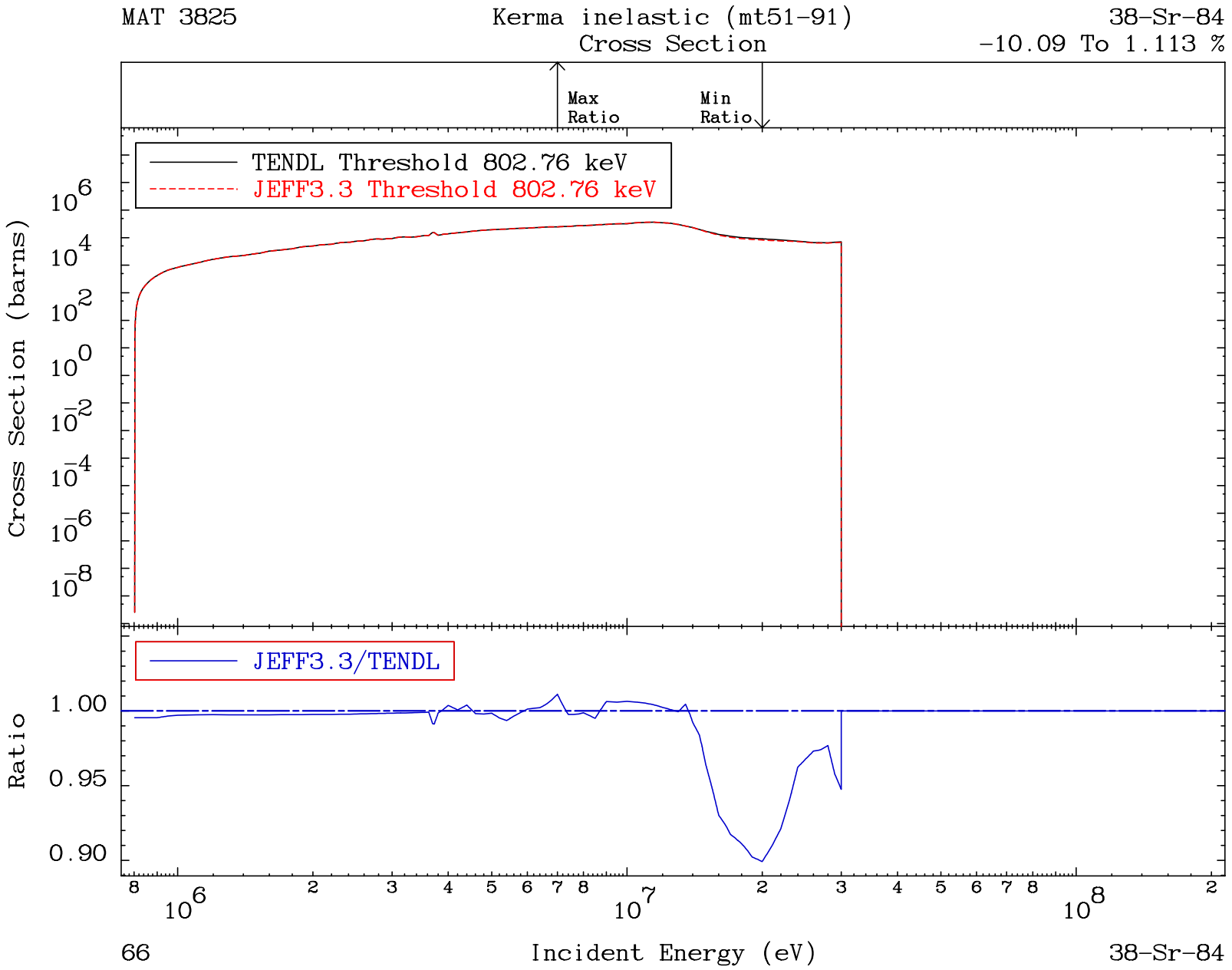

MAT 3825
He-3 Production
Cross Section
38-Sr-84
-0.099 To 5.834 %
Max Ratio
Min Ratio
TENDL Threshold 7.0008 MeV
JEFF3.3 Threshold 7.0023 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.06
1.04
1.02
1.00
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
61
Incident Energy (eV)
38-Sr-84

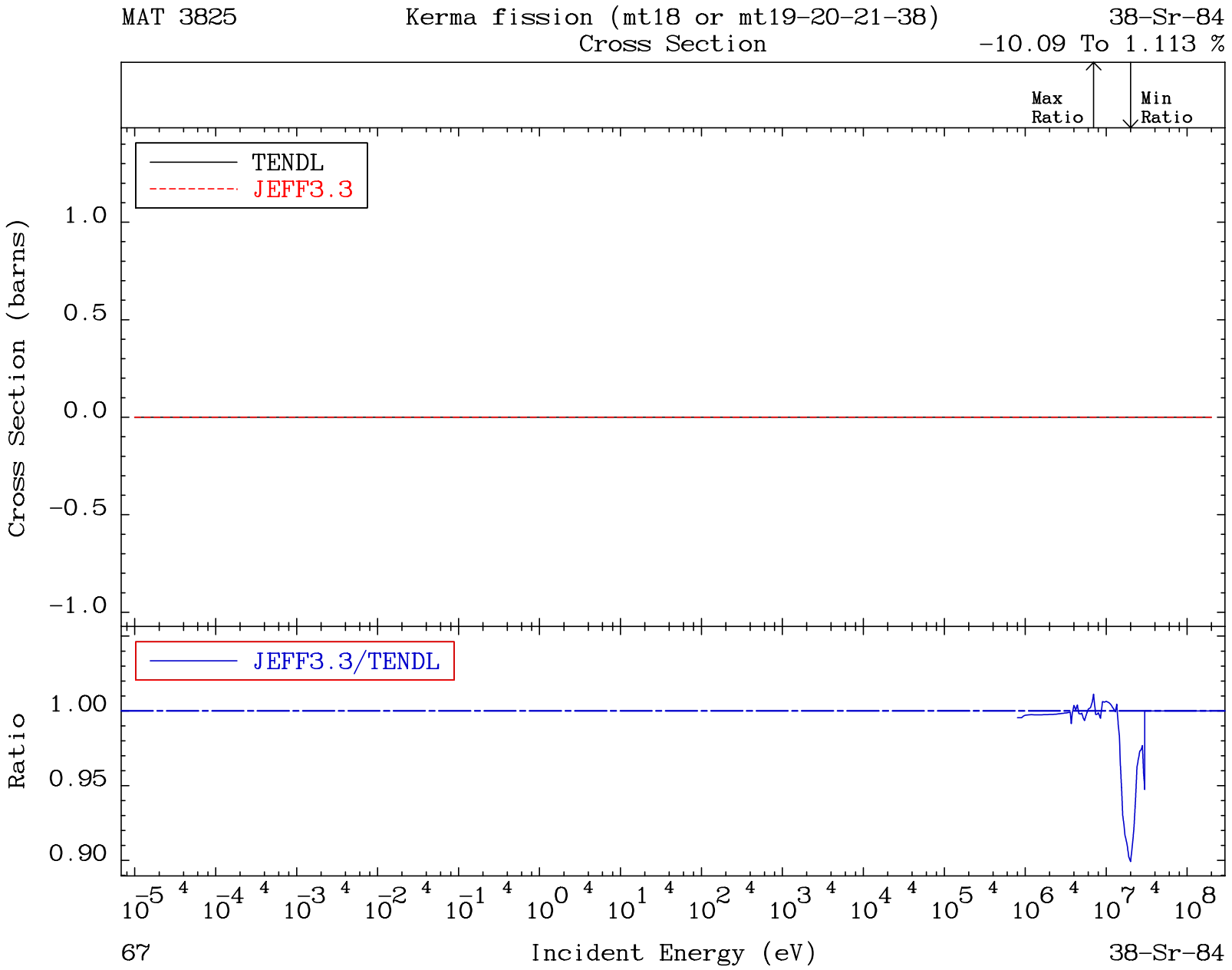

MAT 3825
He-4 Production
Cross Section
38-Sr-84
-21.55 To 3989. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
62
38-Sr-84

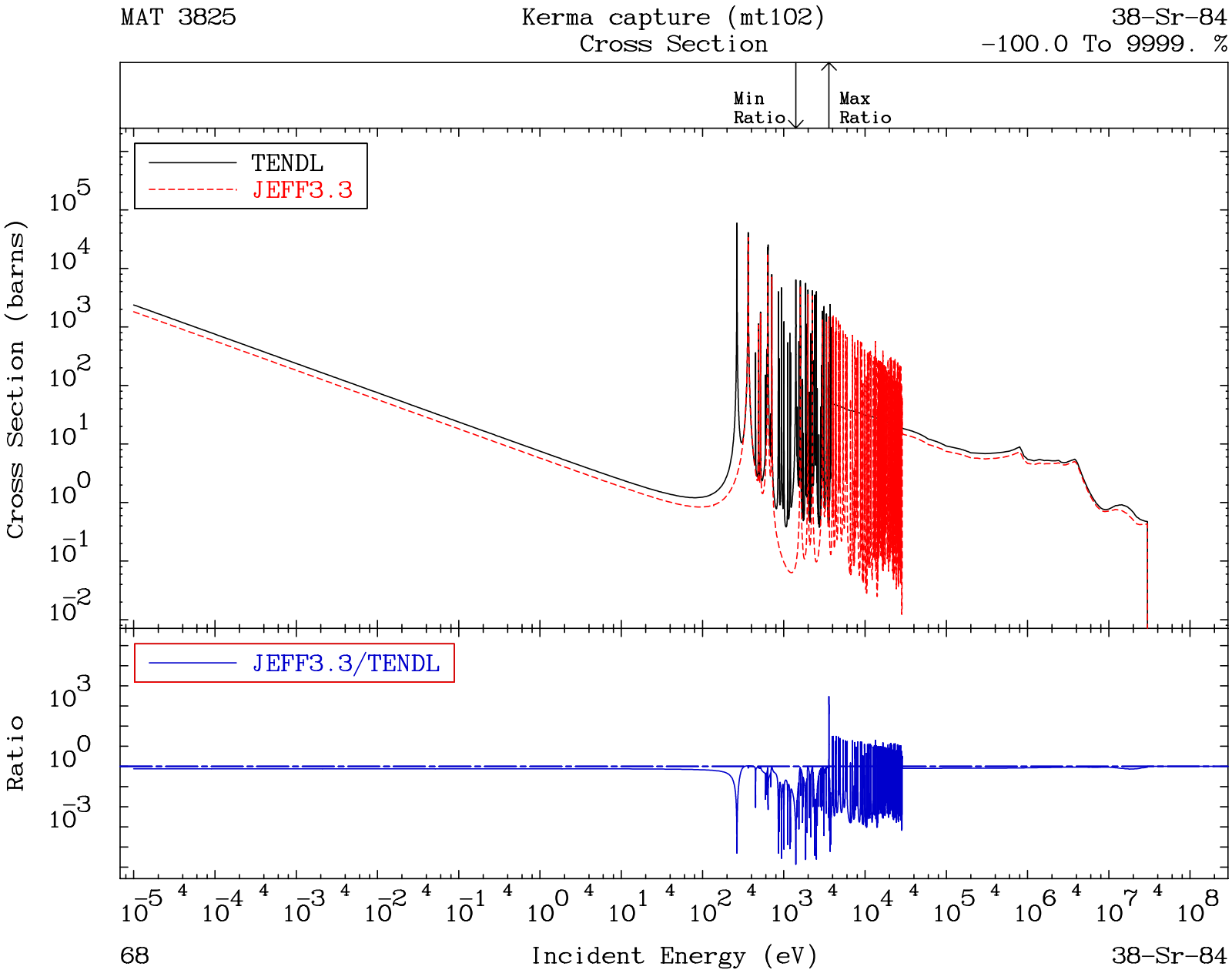

MAT 3825
Kerma total (eV-barns)
Cross Section
38-Sr-84
-99.97 To 3933. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
63
38-Sr-84

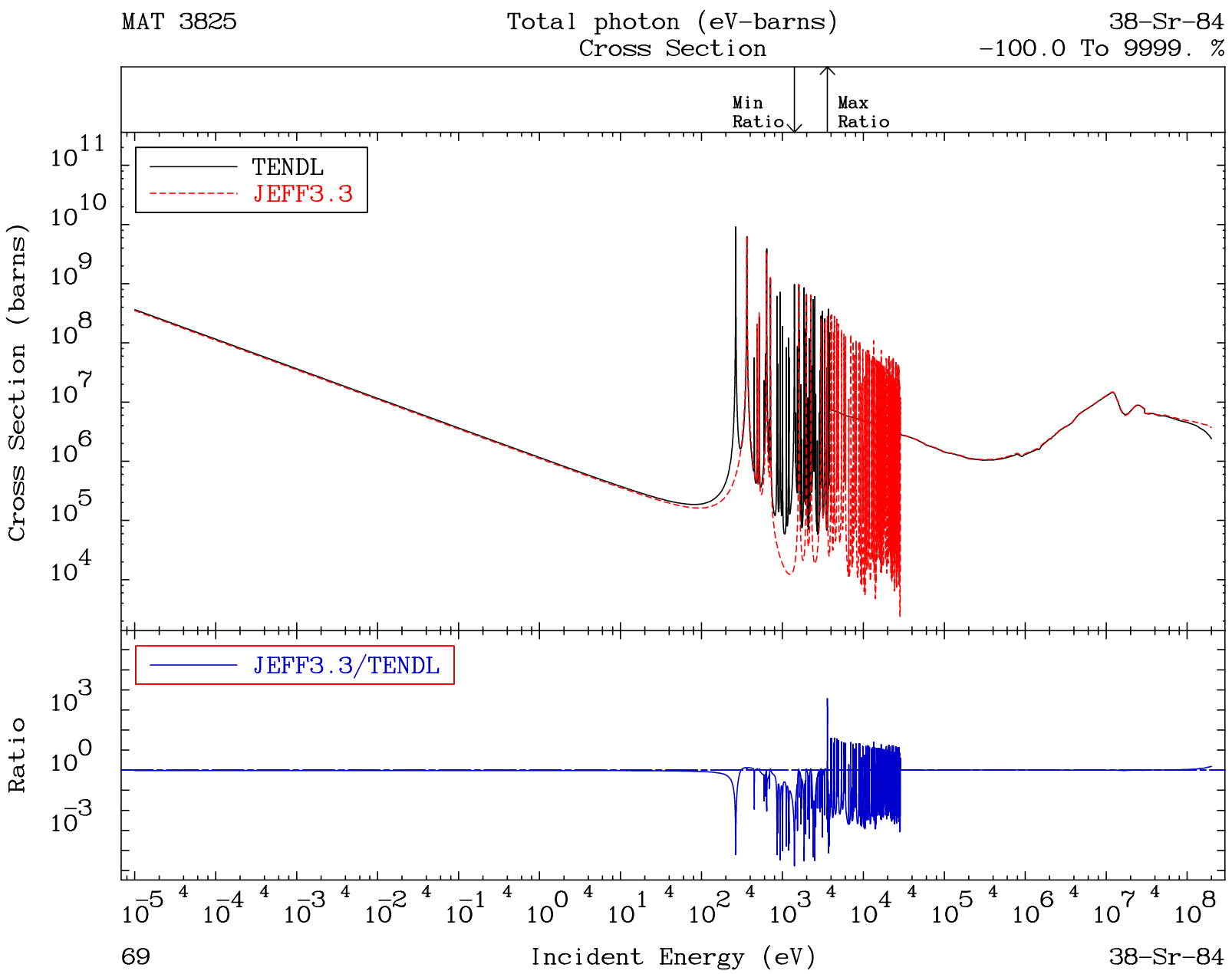

MAT 3825
Kerma elastic
Cross Section
38-Sr-84
-99.72 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
64
38-Sr-84

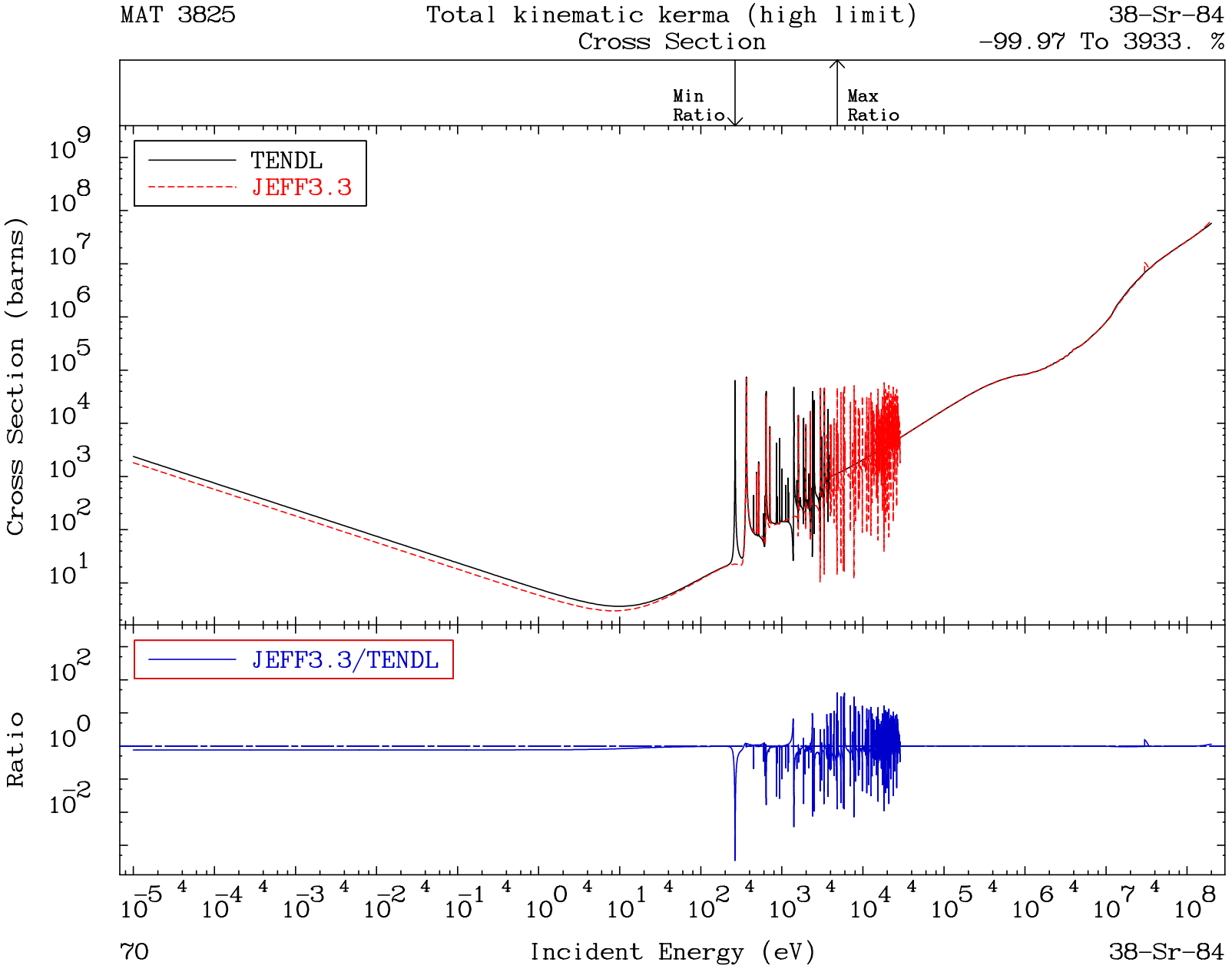

MAT 3825
Kerma non-elastic (all but mt2)
Cross Section
38-Sr-84
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
65
38-Sr-84

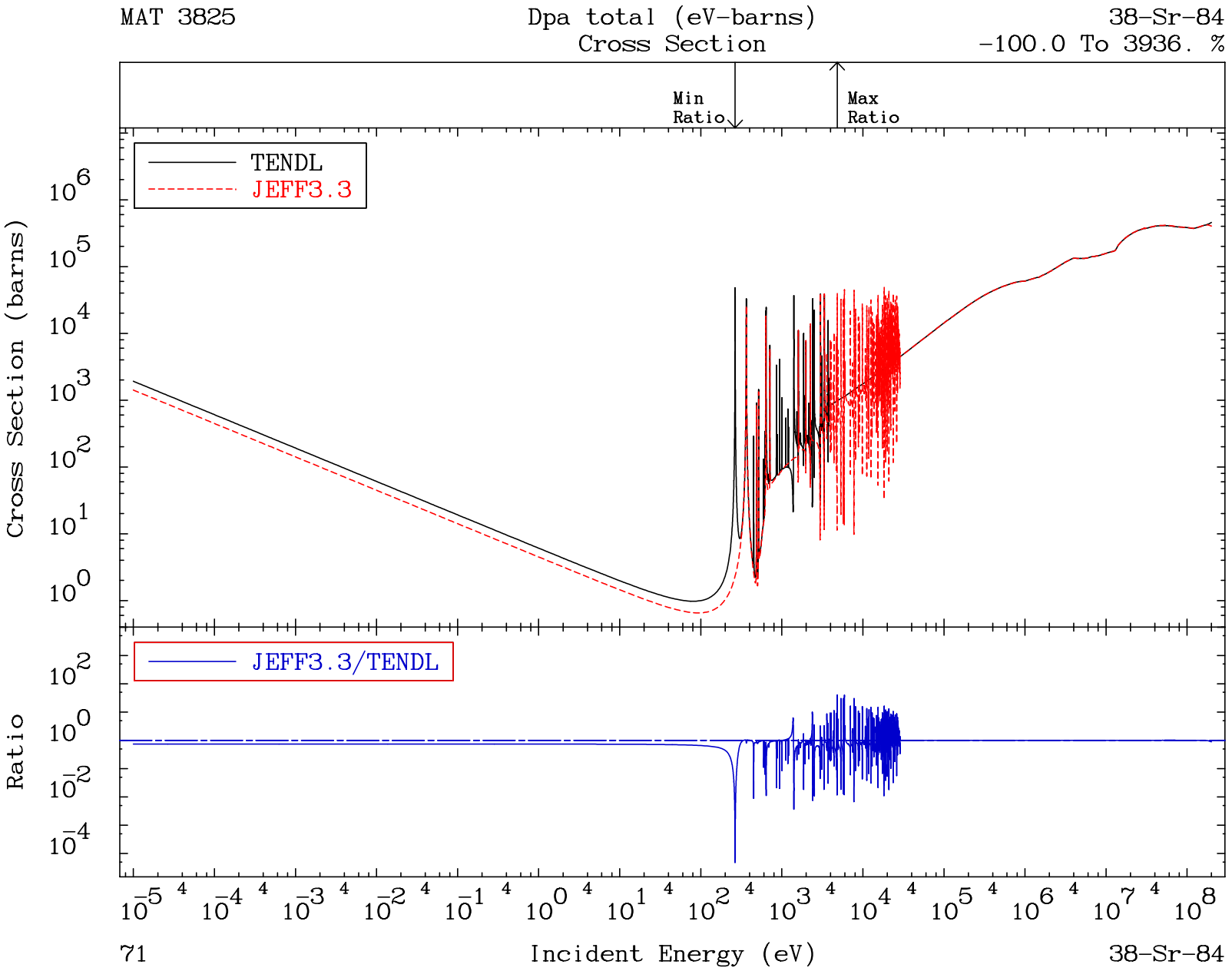

MAT 3825
Kerma inelastic (mt51-91)
Cross Section
38-Sr-84
-10.09 To 1.113 %
Max Ratio
Min Ratio
TENDL Threshold 802.76 keV
JEFF3.3 Threshold 802.76 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
66
38-Sr-84

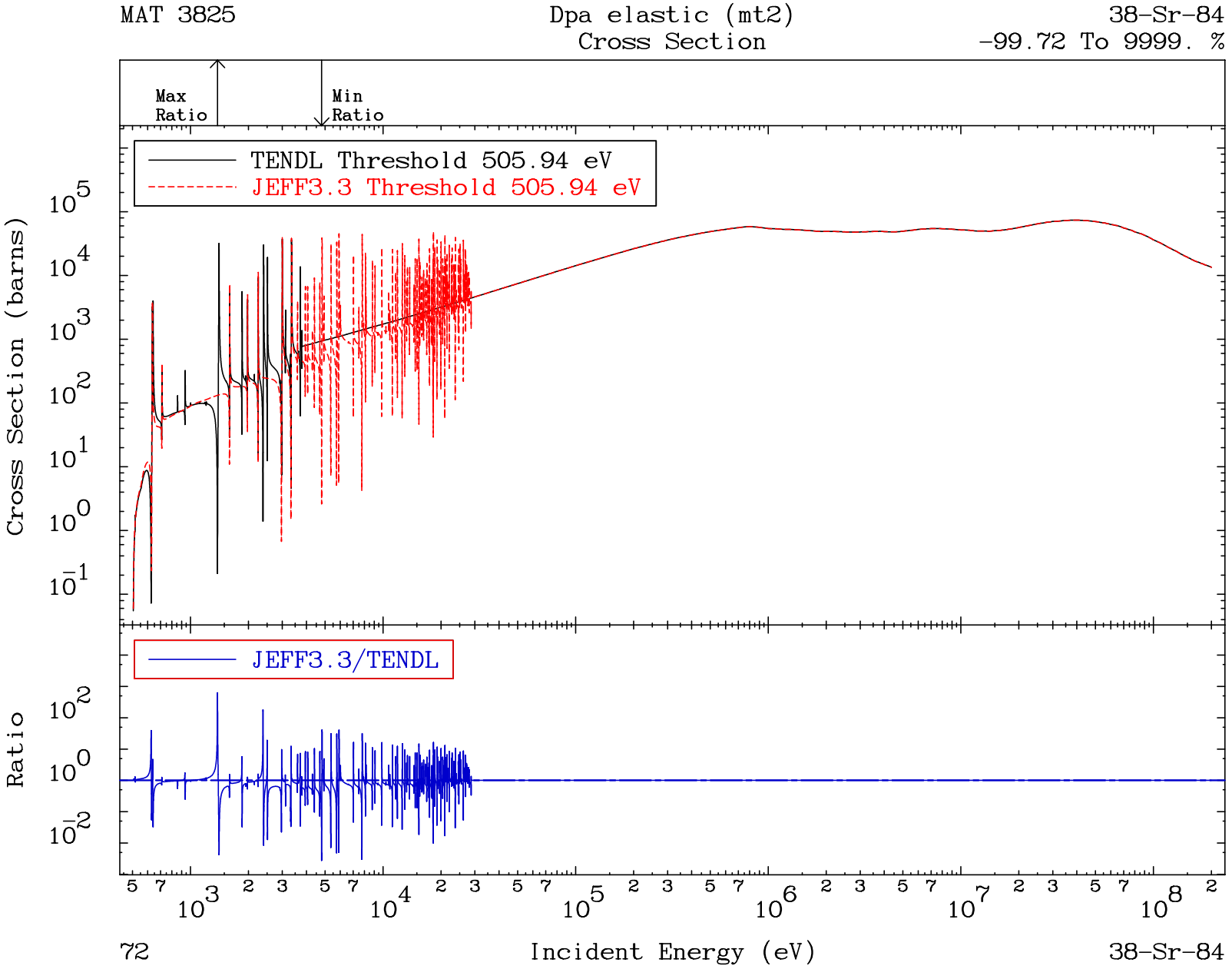

MAT 3825
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
38-Sr-84
-10.09 To 1.113 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
1.00
0.95
0.90
10-5 4 10-4 4 10-3 4 10-2 4 10-1 4 100 4 101 4 102 4 103 4 104 4 105 4 106 4 107 4 108
67
Incident Energy (eV)
38-Sr-84

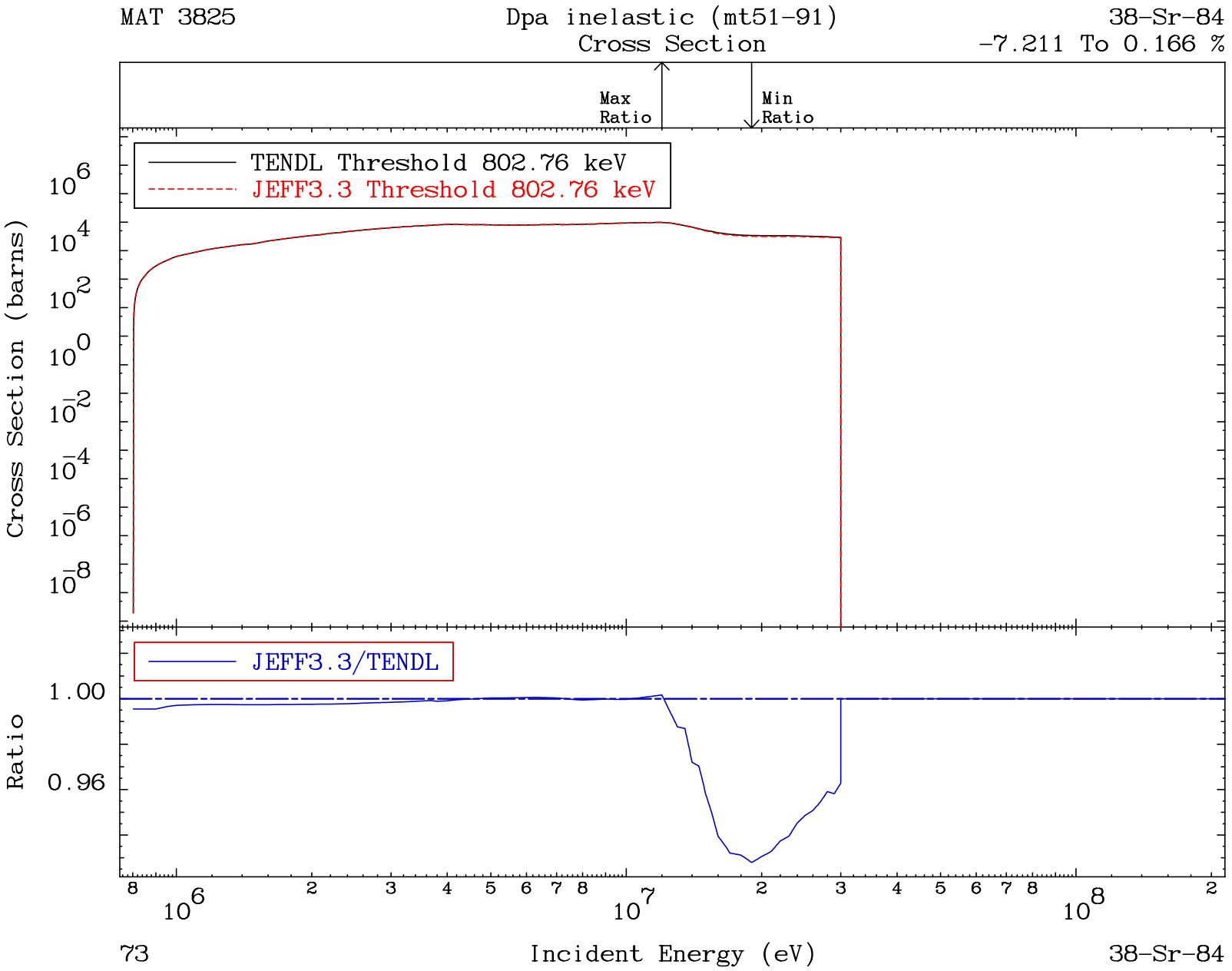

MAT 3825
Kerma capture (mt102)
Cross Section
38-Sr-84
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
68
38-Sr-84

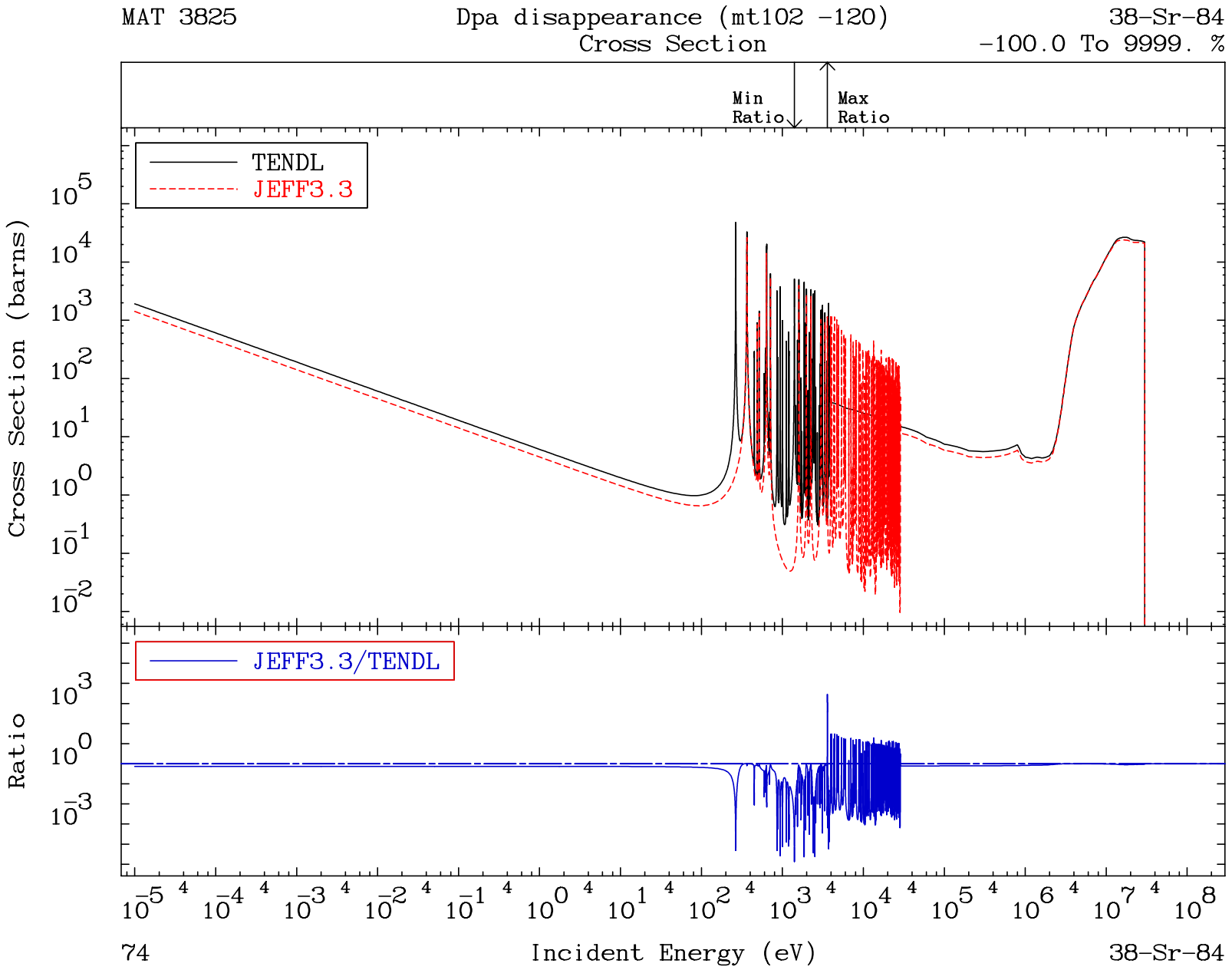

MAT 3825
Total photon (eV-barns)
Cross Section
38-Sr-84
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
69
38-Sr-84

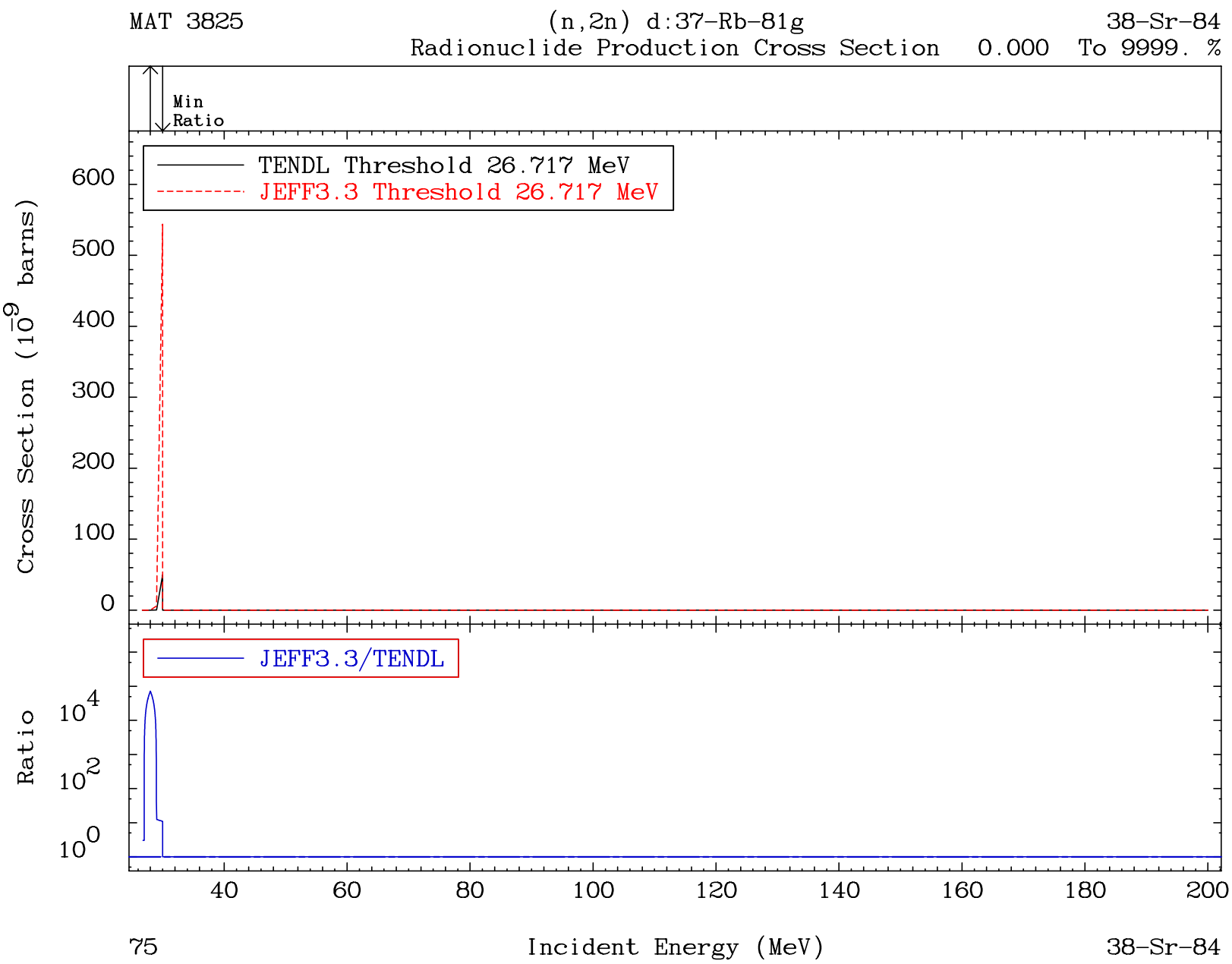

MAT 3825
Total kinematic kerma (high limit)
Cross Section
38-Sr-84
-99.97 To 3933. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
70
38-Sr-84

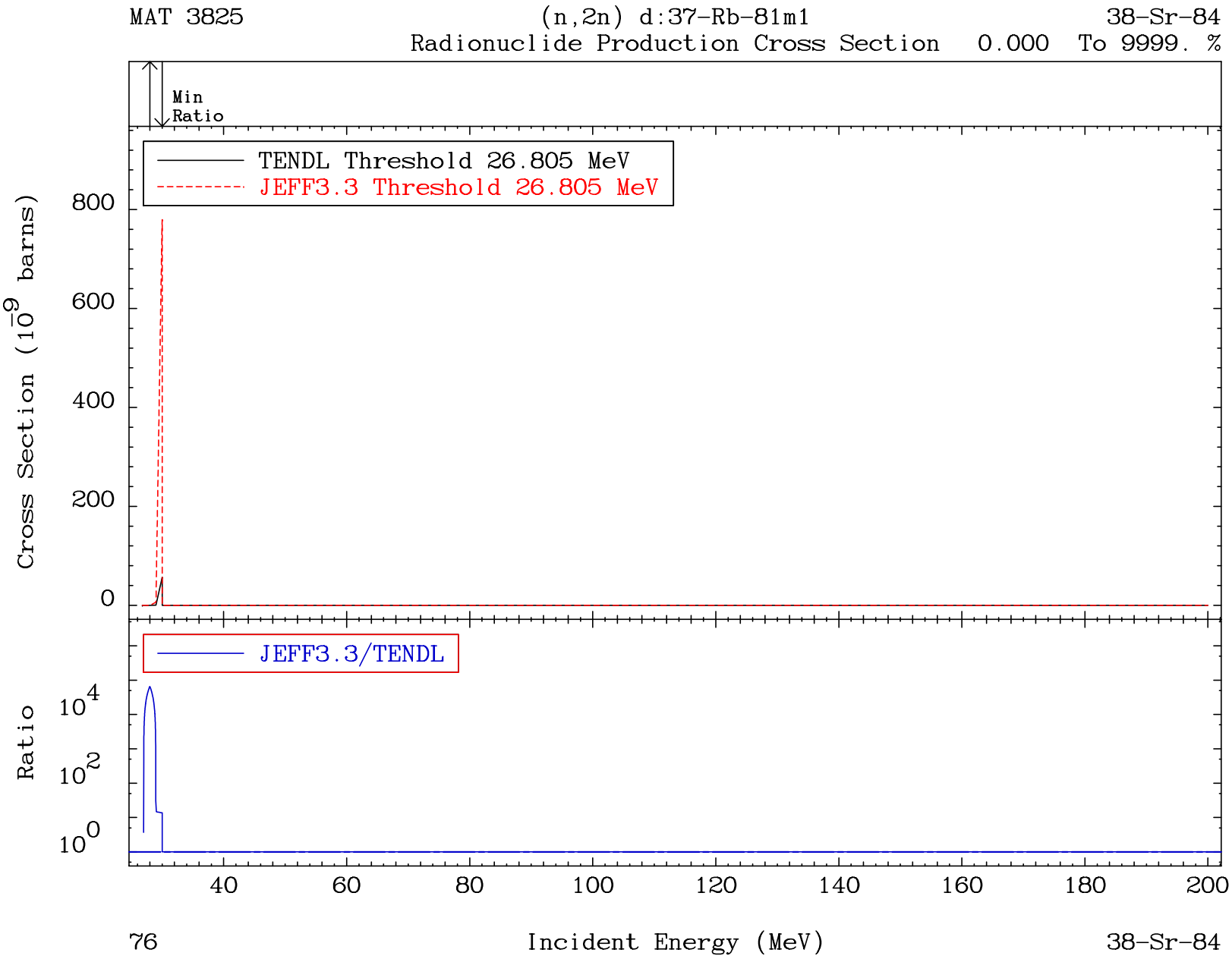

MAT 3825
Dpa total (eV-barns)
Cross Section
38-Sr-84
-100.0 To 3936. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
71
38-Sr-84

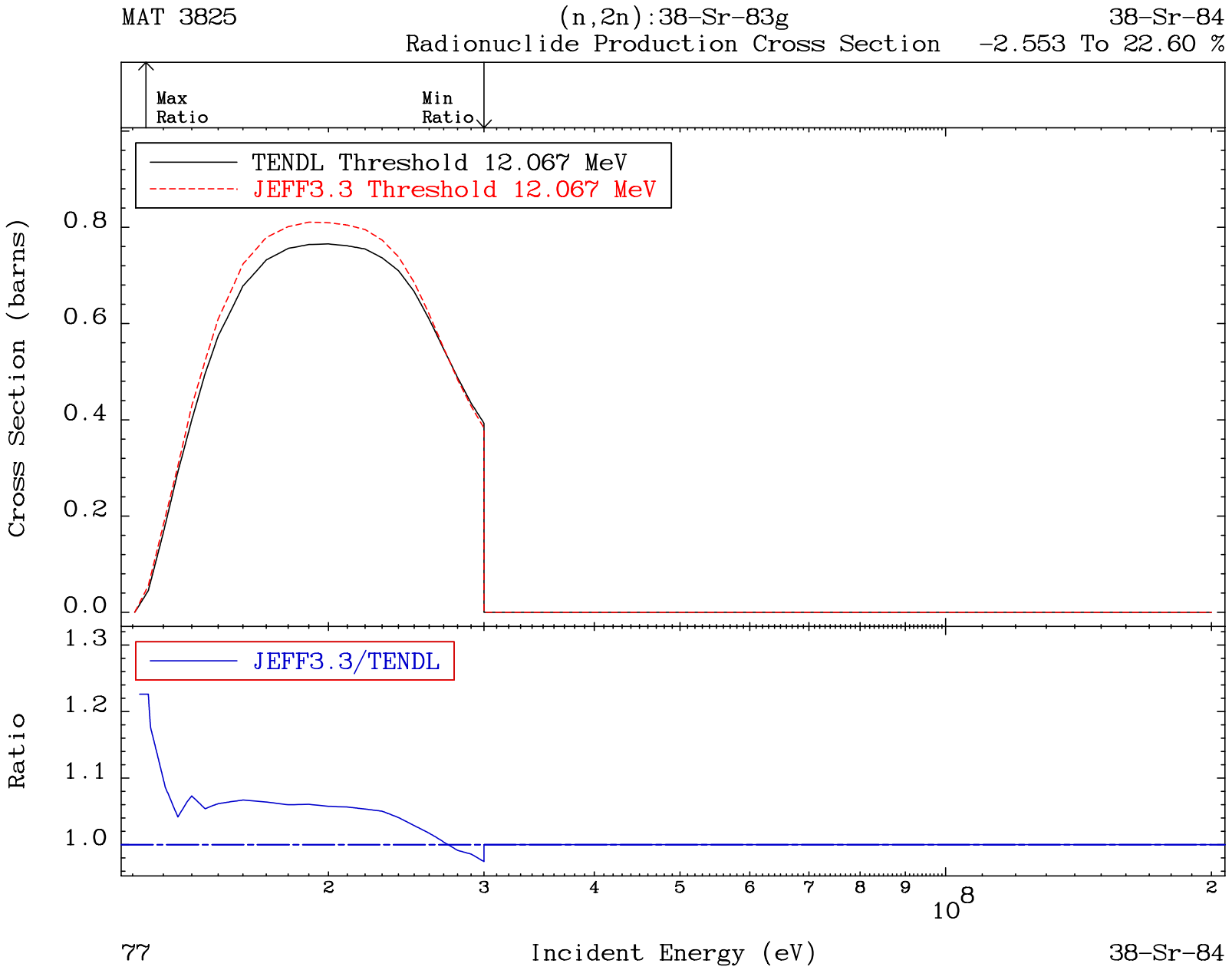

MAT 3825
Dpa elastic (mt2)
Cross Section
38-Sr-84
-99.72 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 505.94 eV
JEFF3.3 Threshold 505.94 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
72
38-Sr-84

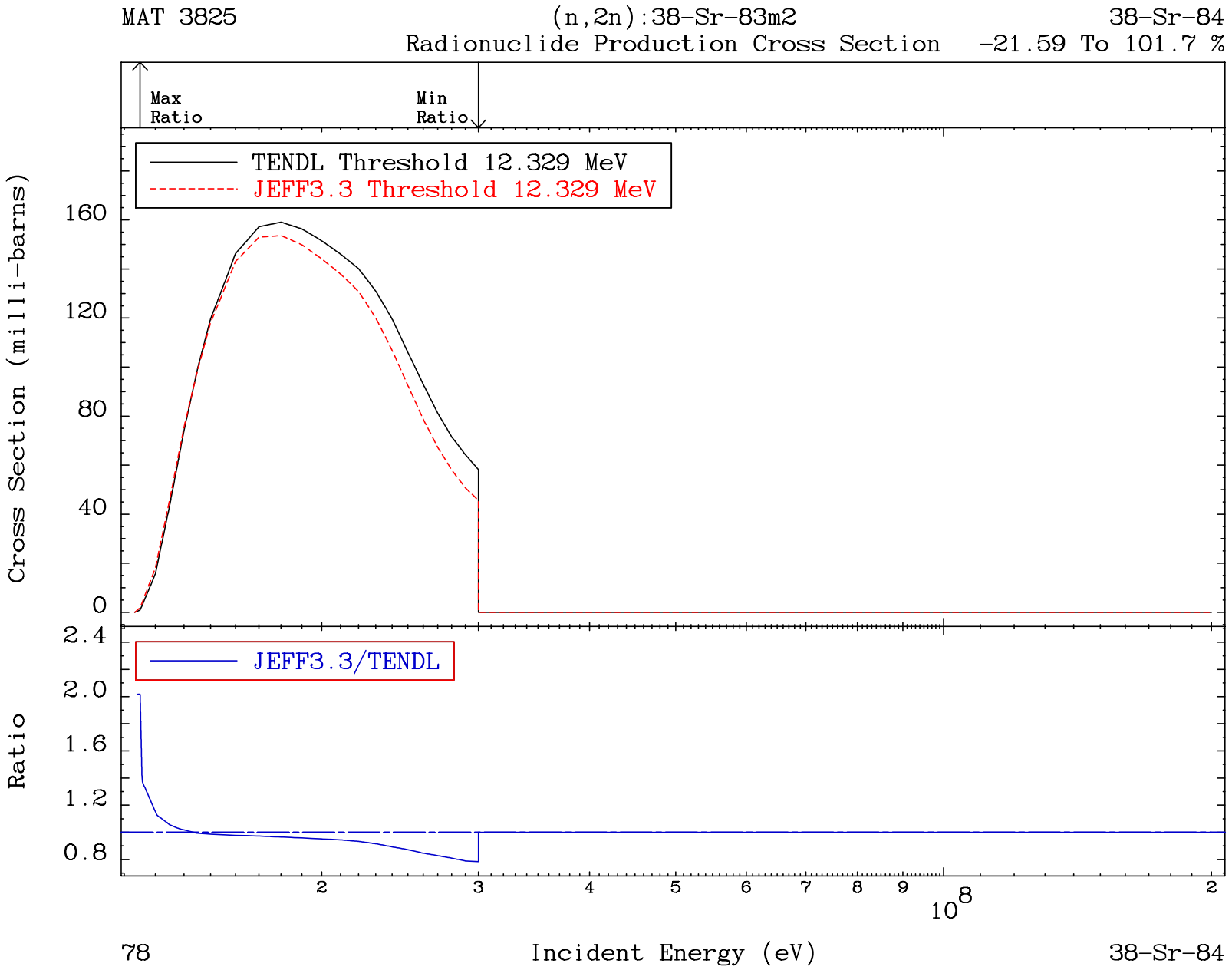

MAT 3825
Dpa inelastic (mt51-91)
Cross Section
38-Sr-84
-7.211 To 0.166 %
Max Ratio
Min Ratio
TENDL Threshold 802.76 keV
JEFF3.3 Threshold 802.76 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
1.00
0.96
Incident Energy (eV)
73
38-Sr-84

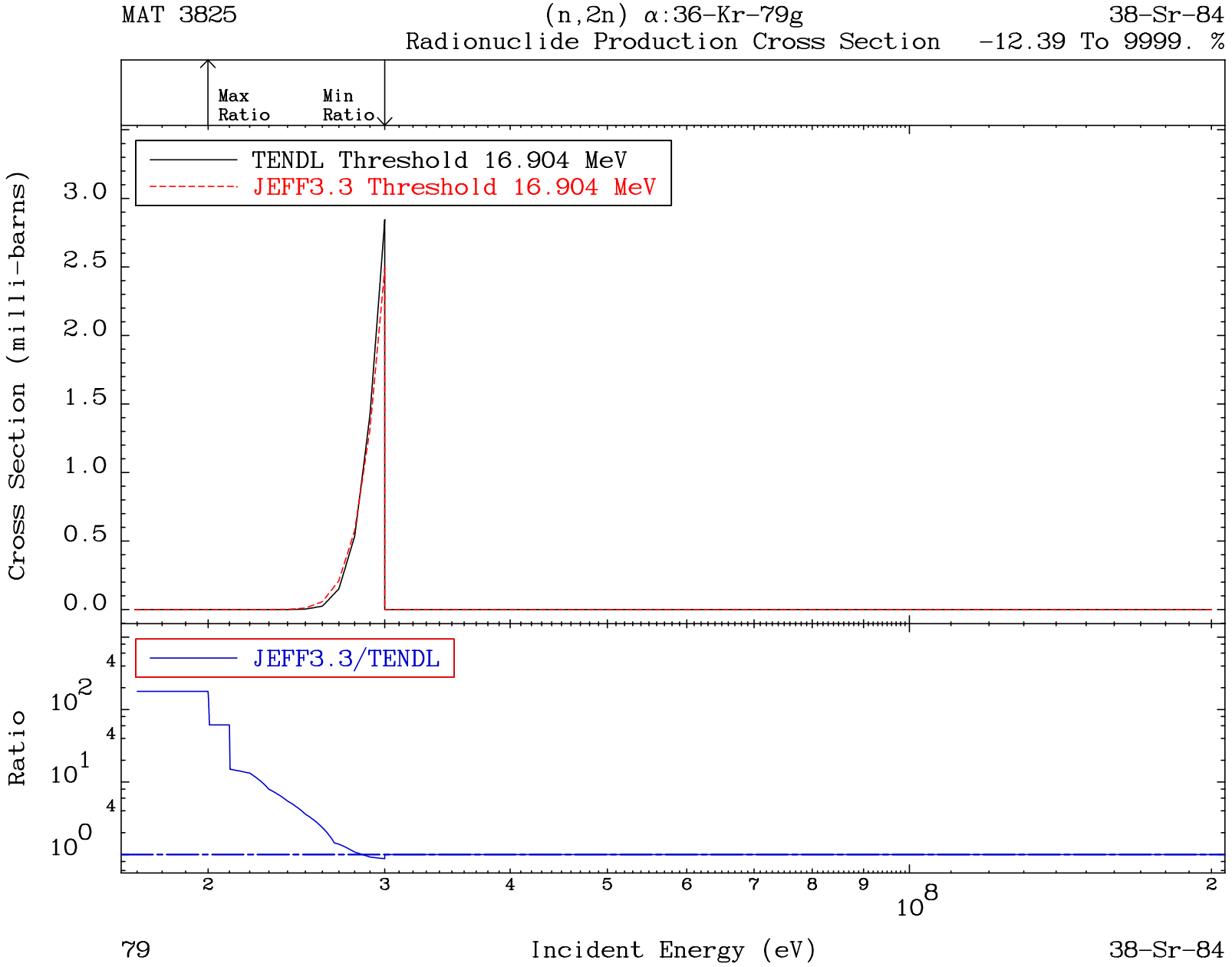

MAT 3825
Dpa disappearance (mt102 -120)
Cross Section
38-Sr-84
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
74
38-Sr-84

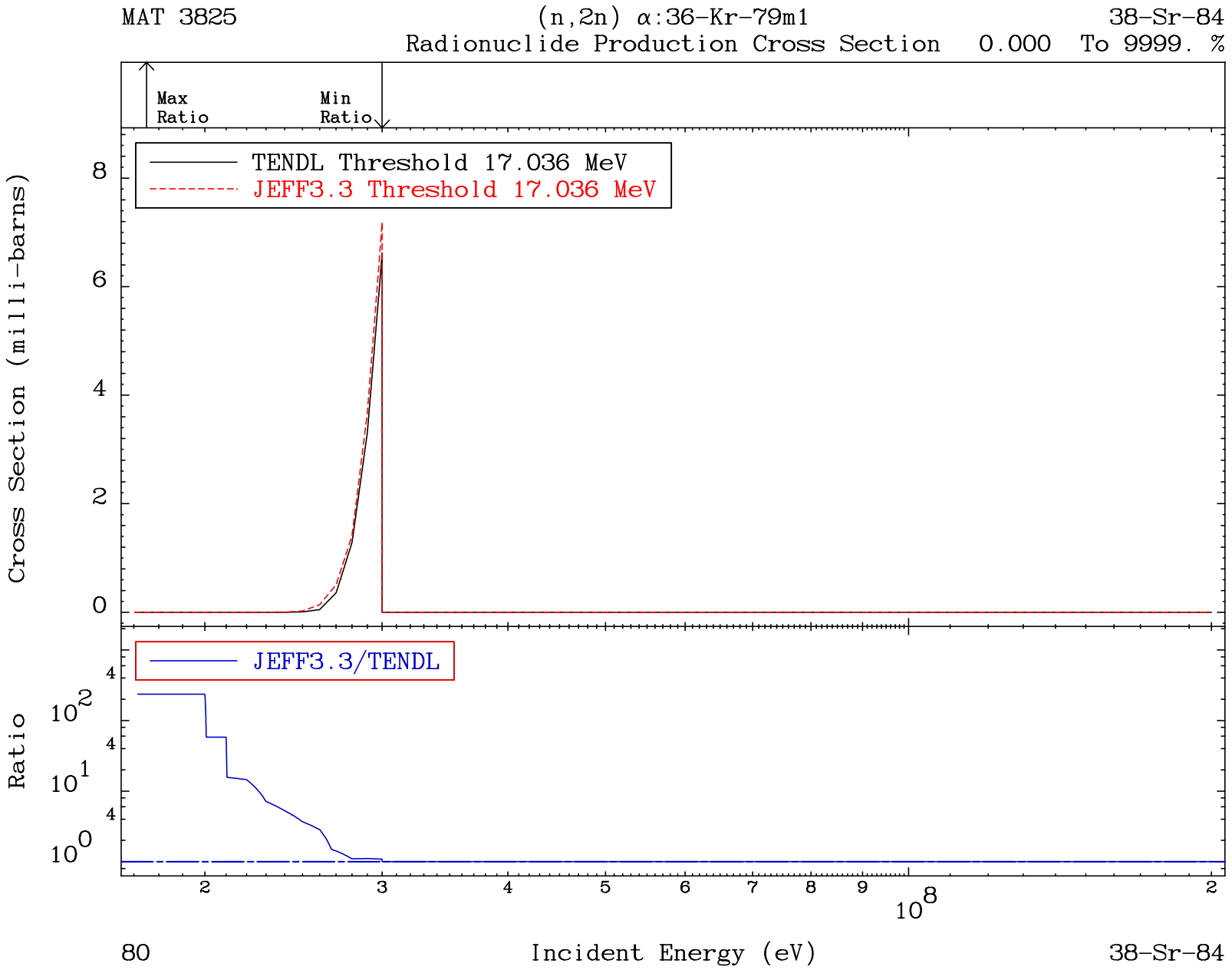

MAT 3825
(n,2n) d:37-Rb-81g
38-Sr-84
Radionuclide Production Cross Section 0.000 To 9999. %
Min Ratio
TENDL Threshold 26.717 MeV
JEFF3.3 Threshold 26.717 MeV
Cross Section (10^{-9} barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
10^4
10^2
10^0
40
60
80
100
120
140
160
180
200
75
Incident Energy (MeV)
38-Sr-84

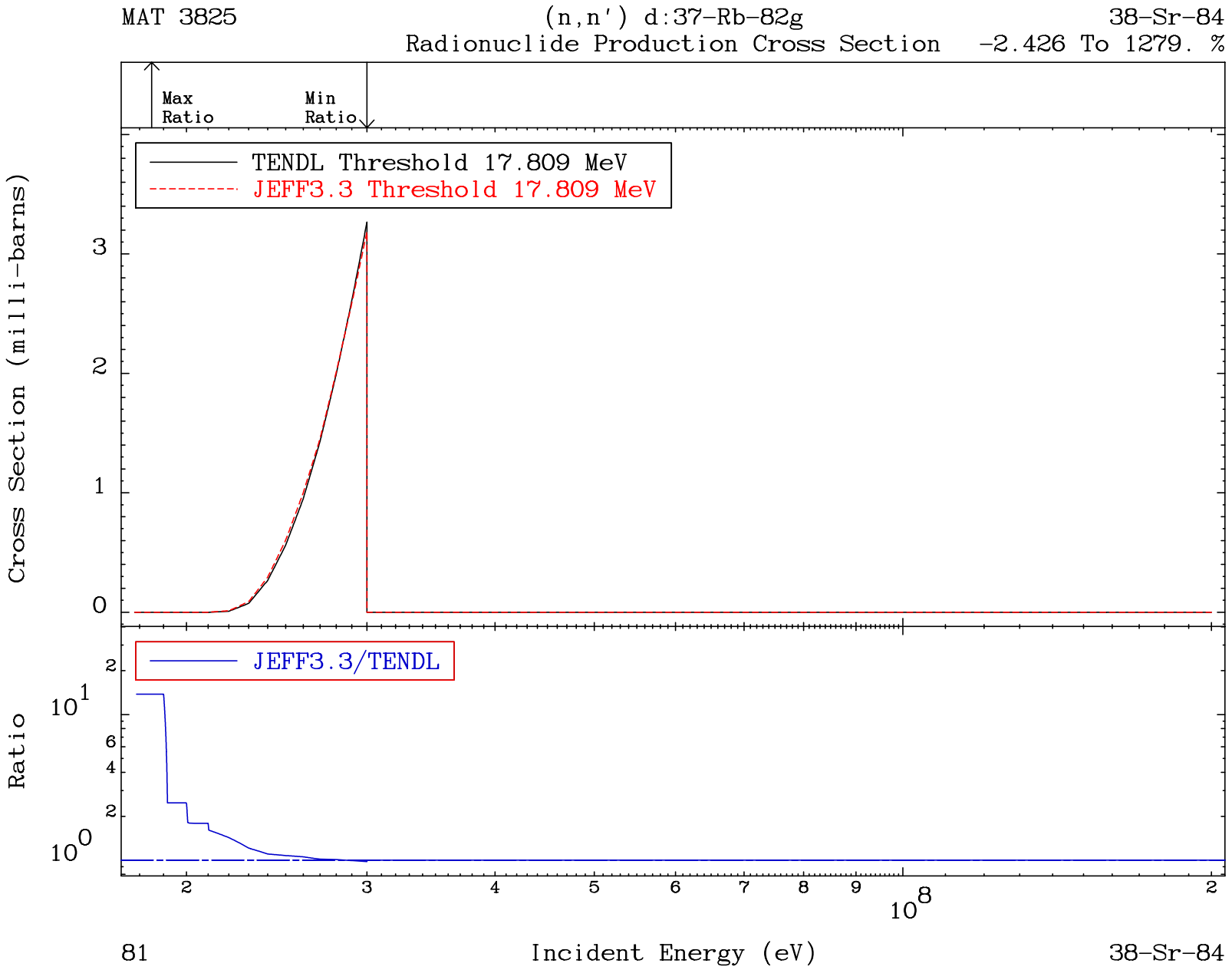

MAT 3825
(n,2n) d:37-Rb-81m1
38-Sr-84
Radionuclide Production Cross Section 0.000 To 9999. %
Min Ratio
TENDL Threshold 26.805 MeV
JEFF3.3 Threshold 26.805 MeV
Cross Section (10^{-9} barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
10^4
10^2
10^0
40
60
80
100
120
140
160
180
200
76
Incident Energy (MeV)
38-Sr-84

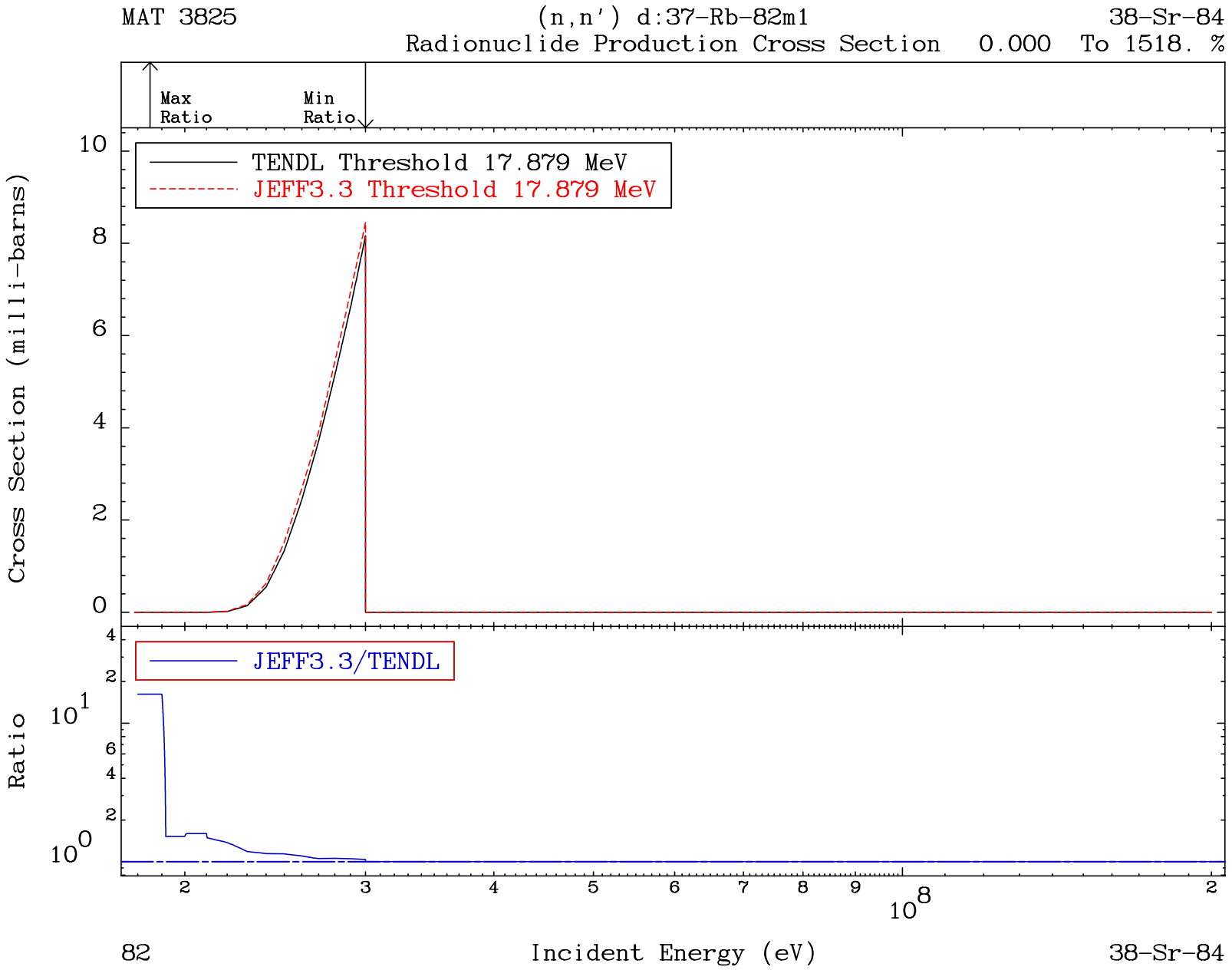

MAT 3825
(n,2n):38-Sr-83g
38-Sr-84
Radionuclide Production Cross Section
-2.553 To 22.60 %
Max Ratio
Min Ratio
TENDL Threshold 12.067 MeV
JEFF3.3 Threshold 12.067 MeV
Cross Section (barns)
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.3
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
77
Incident Energy (eV)
38-Sr-84

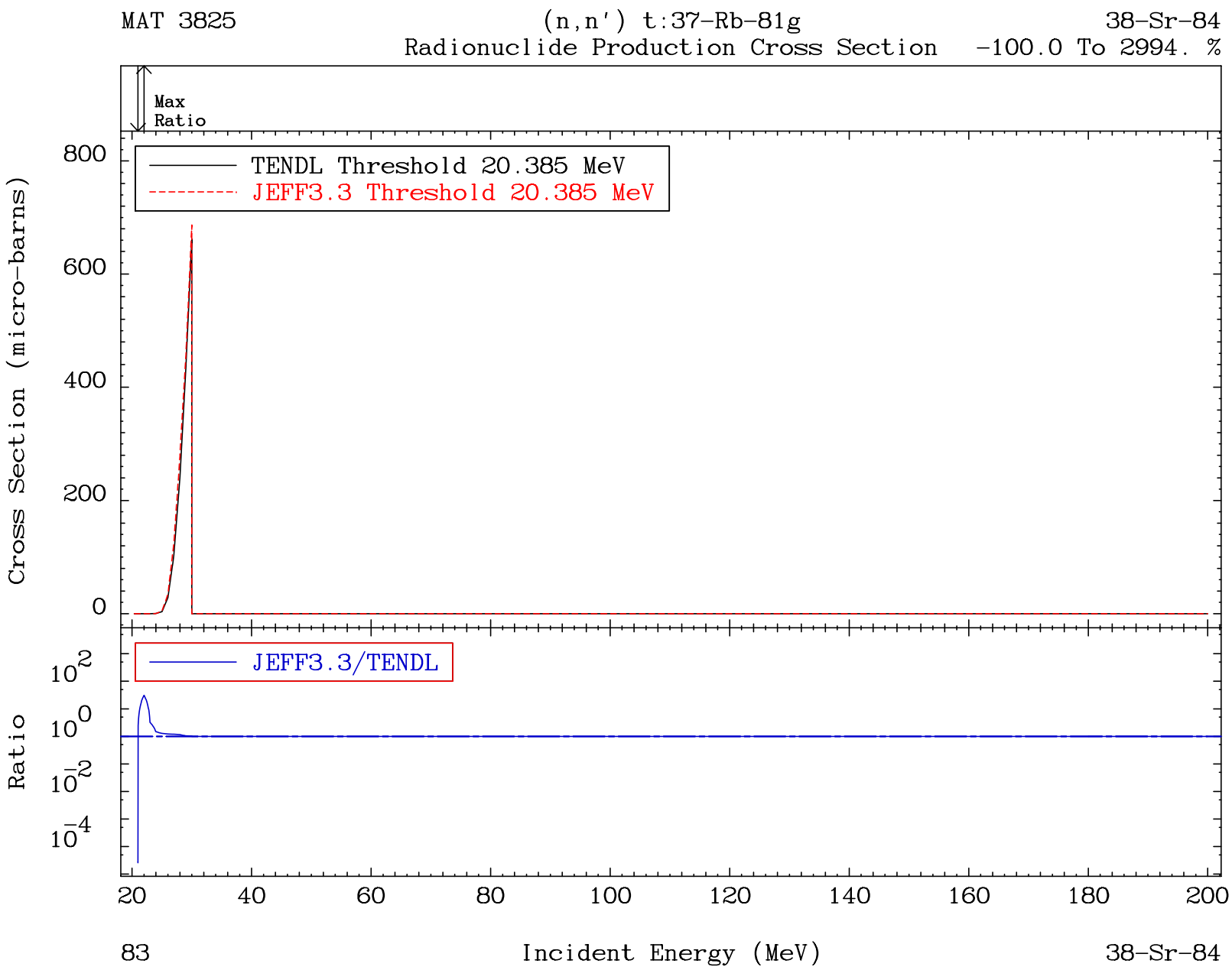

MAT 3825
(n,2n):38-Sr-83m2
38-Sr-84
Radionuclide Production Cross Section -21.59 To 101.7 %
Max Ratio
Min Ratio
TENDL Threshold 12.329 MeV
JEFF3.3 Threshold 12.329 MeV
Cross Section (milli-barns)
160
120
80
40
0
JEFF3.3/TENDL
Ratio
2.4
2.0
1.6
1.2
0.8
2
3
4
5
6
7
8
9
10^8
2
78
Incident Energy (eV)
38-Sr-84

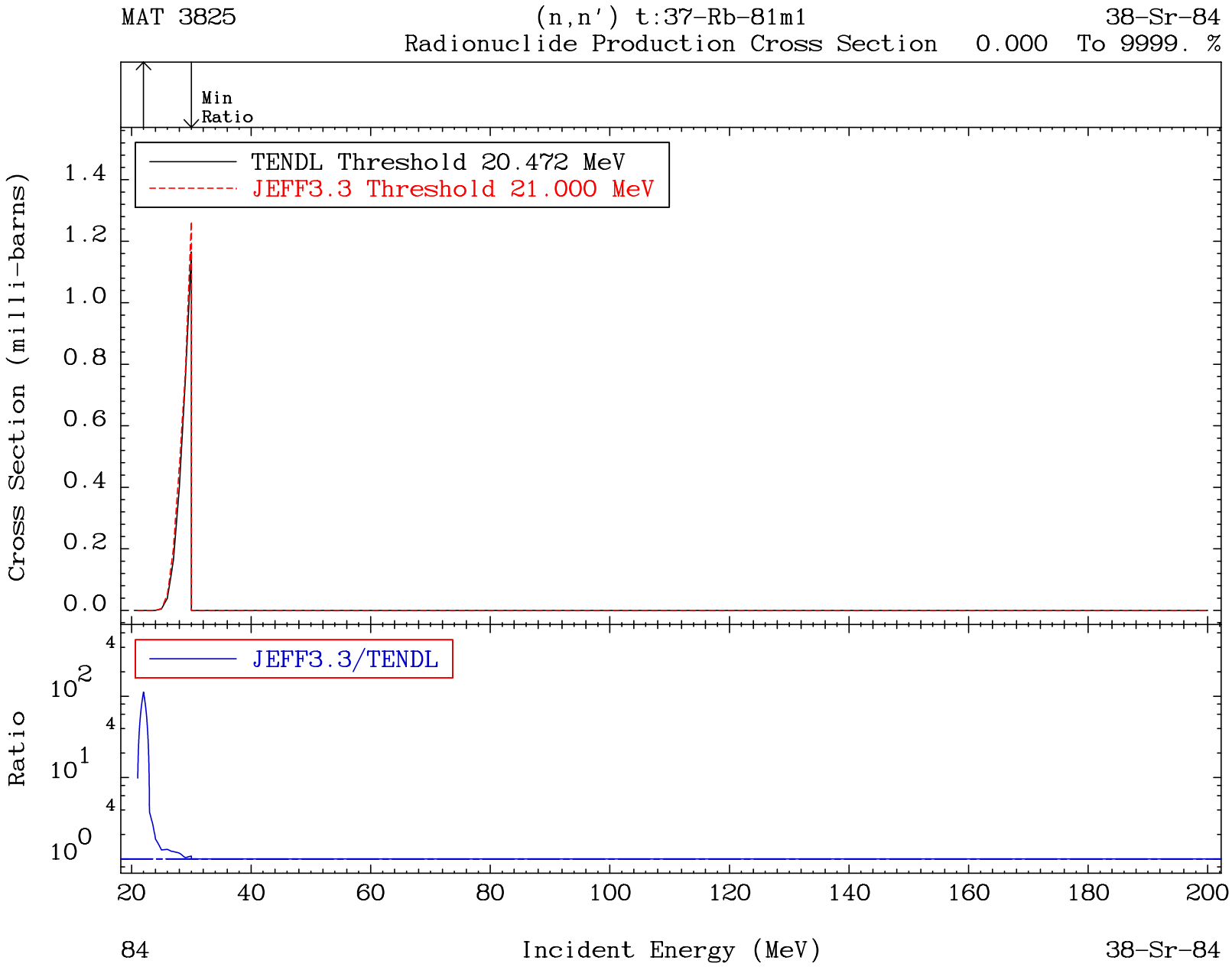

MAT 3825
(n,2n) α:36-Kr-79g
38-Sr-84
Radionuclide Production Cross Section -12.39 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 16.904 MeV
JEFF3.3 Threshold 16.904 MeV
Cross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
79
Incident Energy (eV)
38-Sr-84

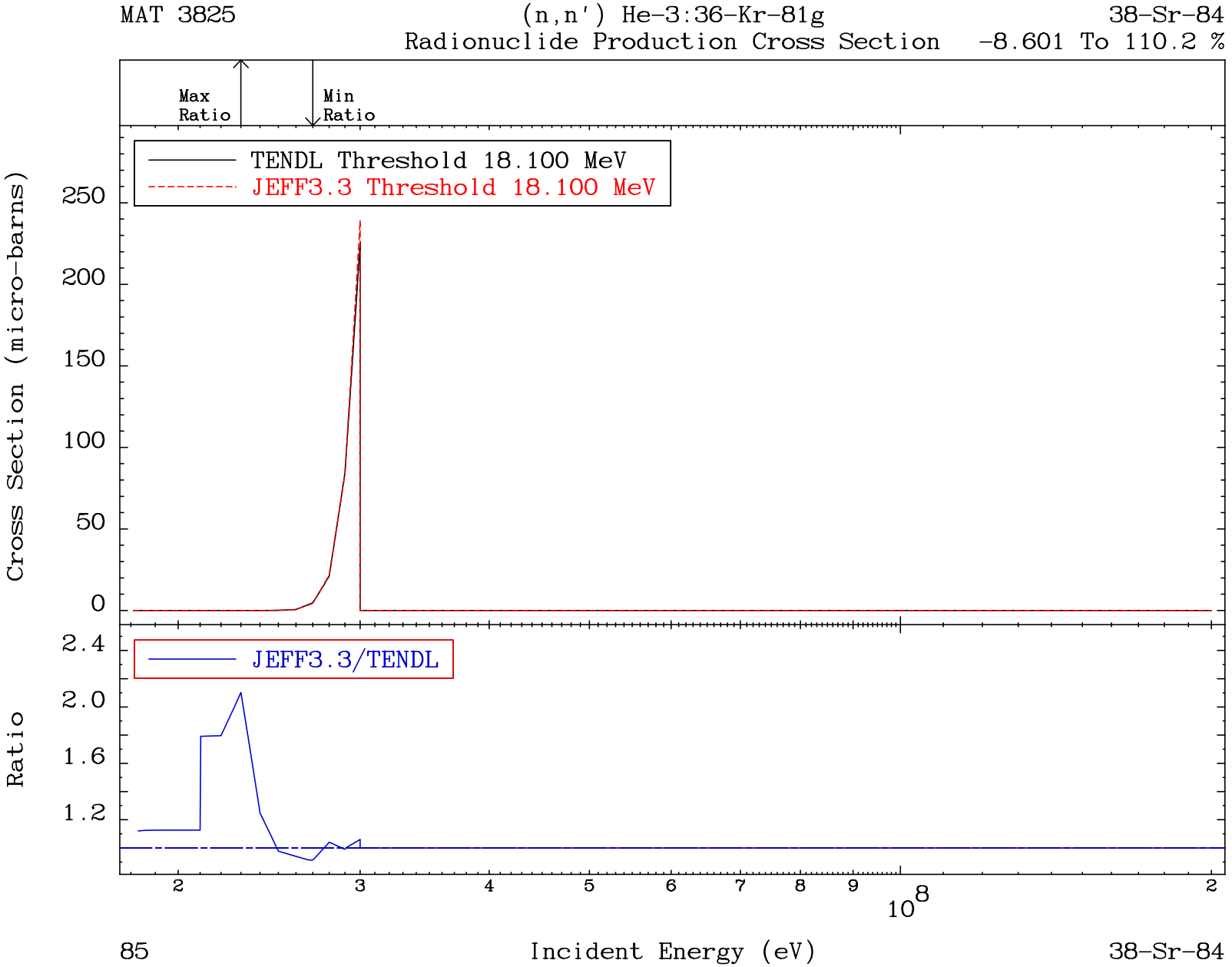

MAT 3825
(n,2n) α:36-Kr-79m1
38-Sr-84
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 17.036 MeV
JEFF3.3 Threshold 17.036 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
80
38-Sr-84

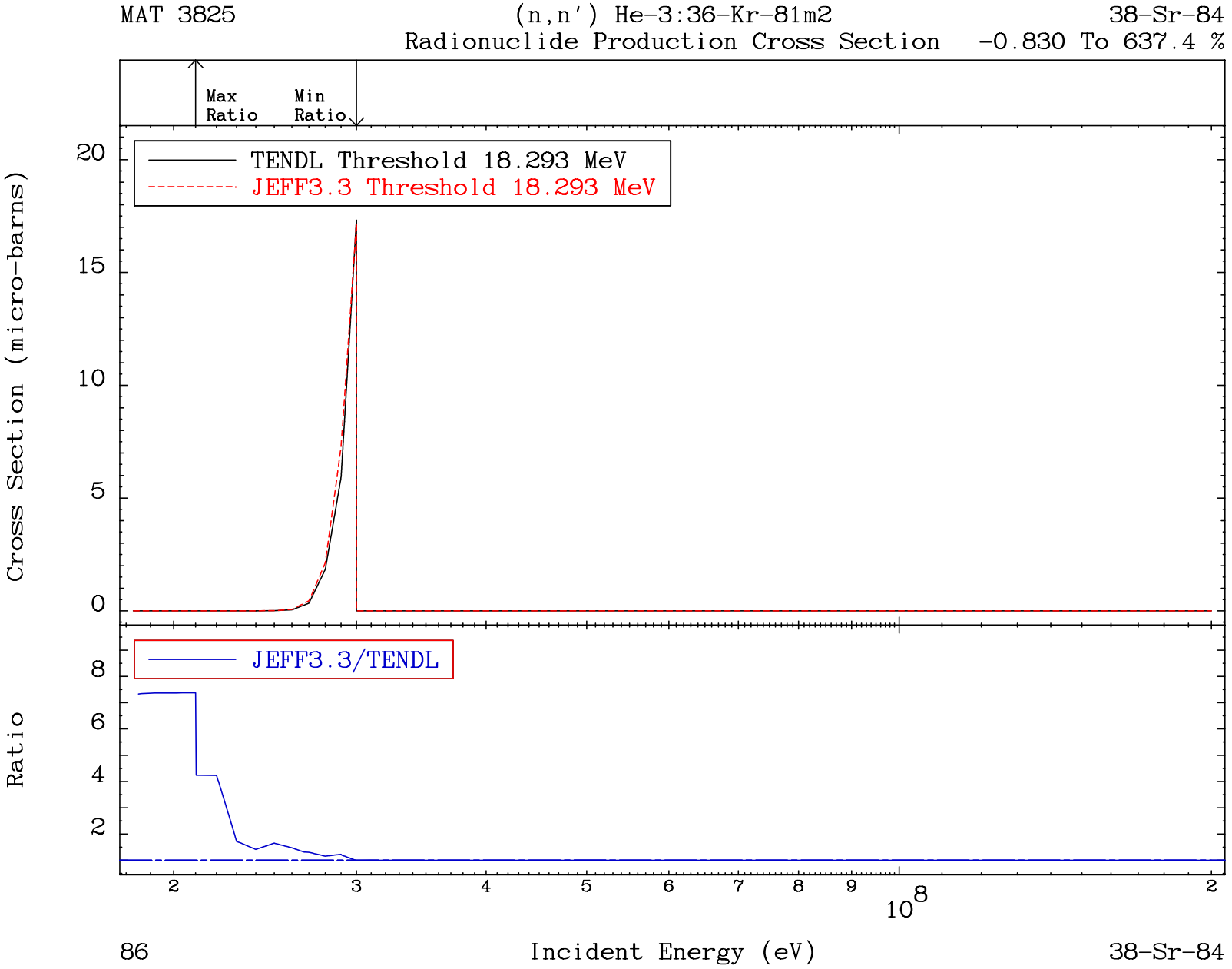

MAT 3825
(n,n') d:37-Rb-82g
38-Sr-84
Radionuclide Production Cross Section -2.426 To 1279. %
Max Ratio
Min Ratio
TENDL Threshold 17.809 MeV
JEFF3.3 Threshold 17.809 MeV
Cross Section (milli-barns)
0
1
2
3
JEFF3.3/TENDL
Ratio
10^0
10^1
2
4
6
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
38-Sr-84

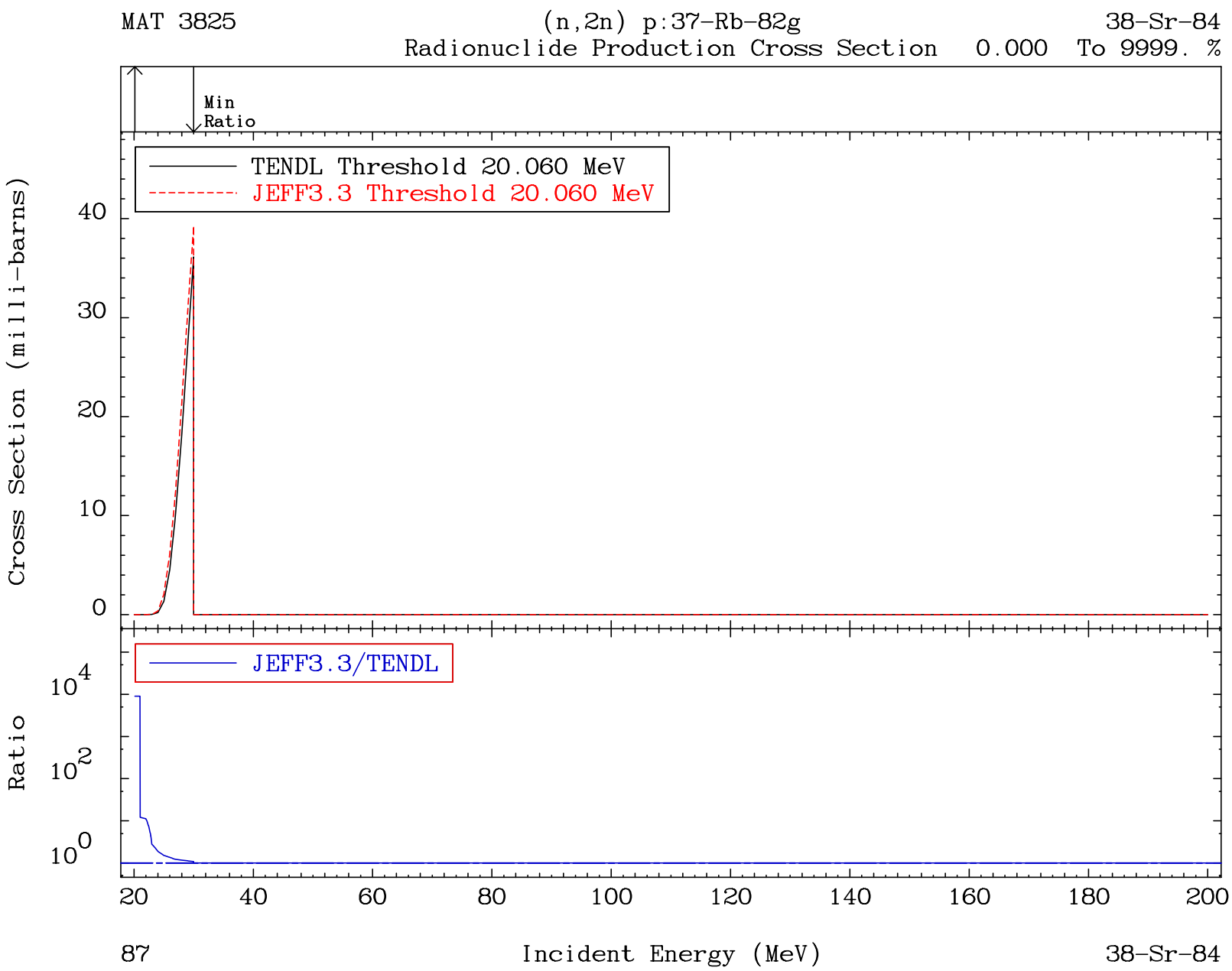

MAT 3825
(n,n') d:37-Rb-82m1
38-Sr-84
Radionuclide Production Cross Section 0.000 To 1518. %
Max Ratio
Min Ratio
TENDL Threshold 17.879 MeV
JEFF3.3 Threshold 17.879 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
82
38-Sr-84

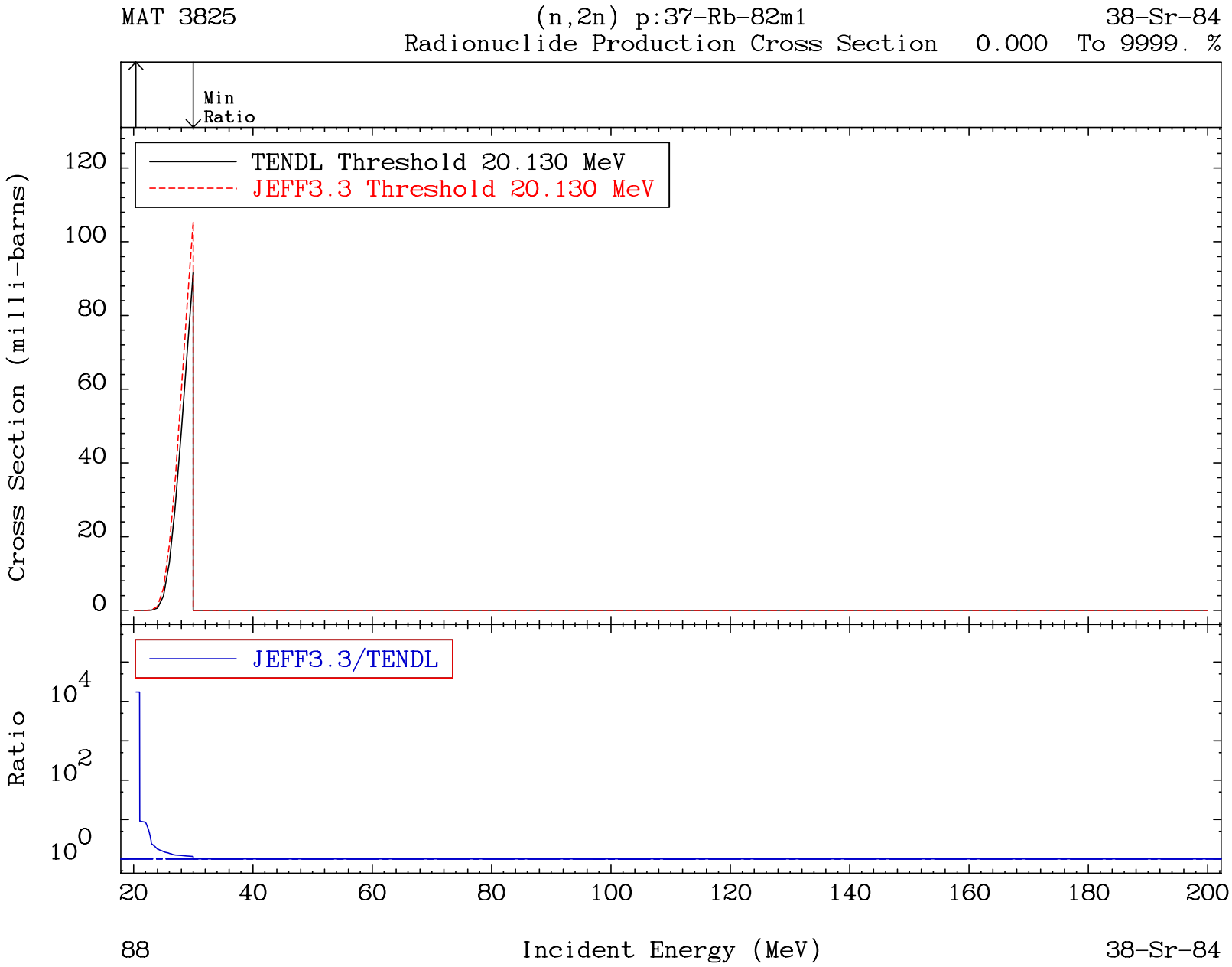

MAT 3825
(n,n') t:37-Rb-81g
38-Sr-84
Radionuclide Production Cross Section -100.0 To 2994. %
Max Ratio
TENDL Threshold 20.385 MeV
JEFF3.3 Threshold 20.385 MeV
Cross Section (micro-barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
10^2
10^0
10^-2
10^-4
20
40
60
80
100
120
140
160
180
200
83
Incident Energy (MeV)
38-Sr-84

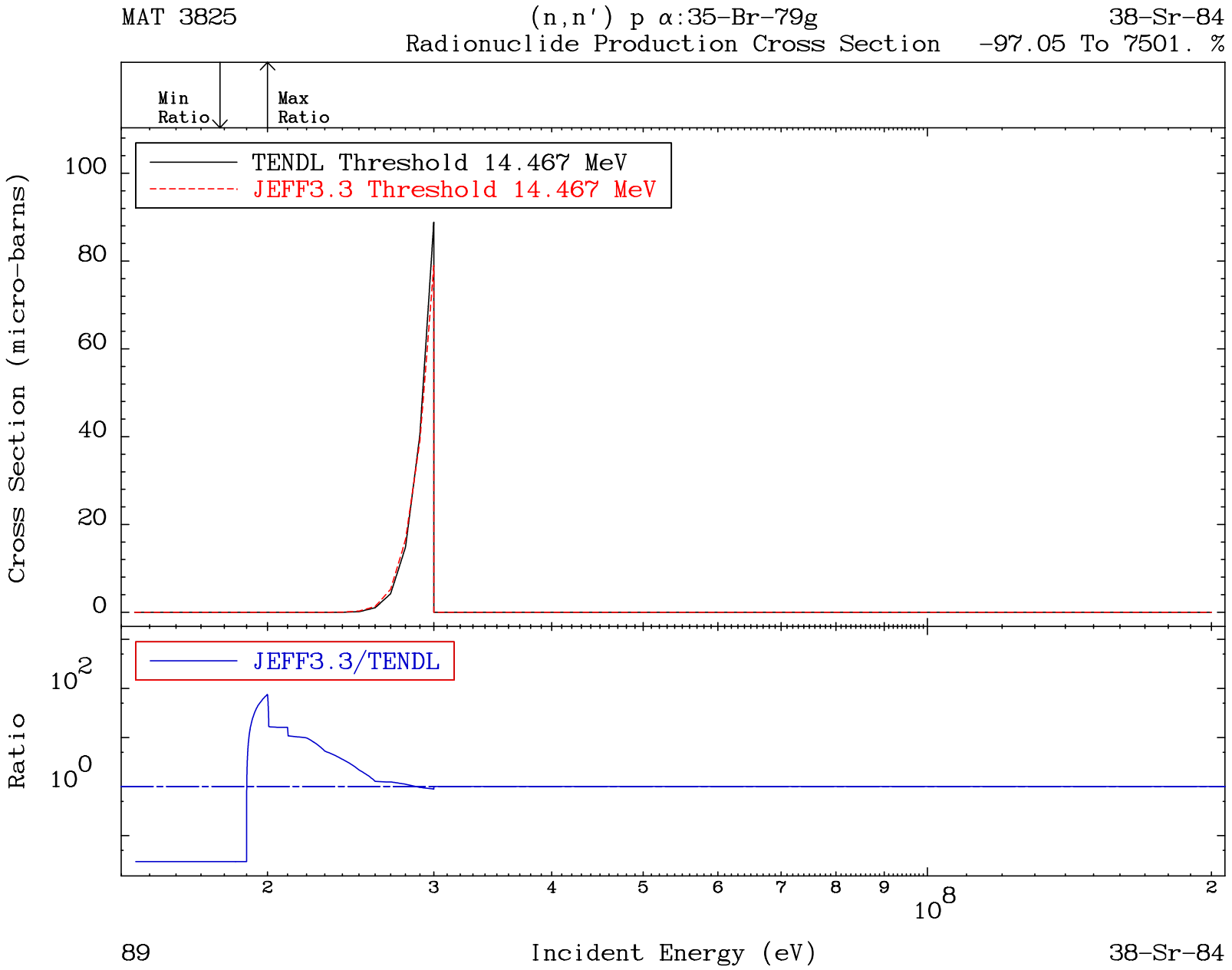

MAT 3825
(n,n') t:37-Rb-81m1
38-Sr-84
Radionuclide Production Cross Section 0.000 To 9999. %
Min Ratio
TENDL Threshold 20.472 MeV
JEFF3.3 Threshold 21.000 MeV
Cross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
20
40
60
80
100
120
140
160
180
200
84
Incident Energy (MeV)
38-Sr-84

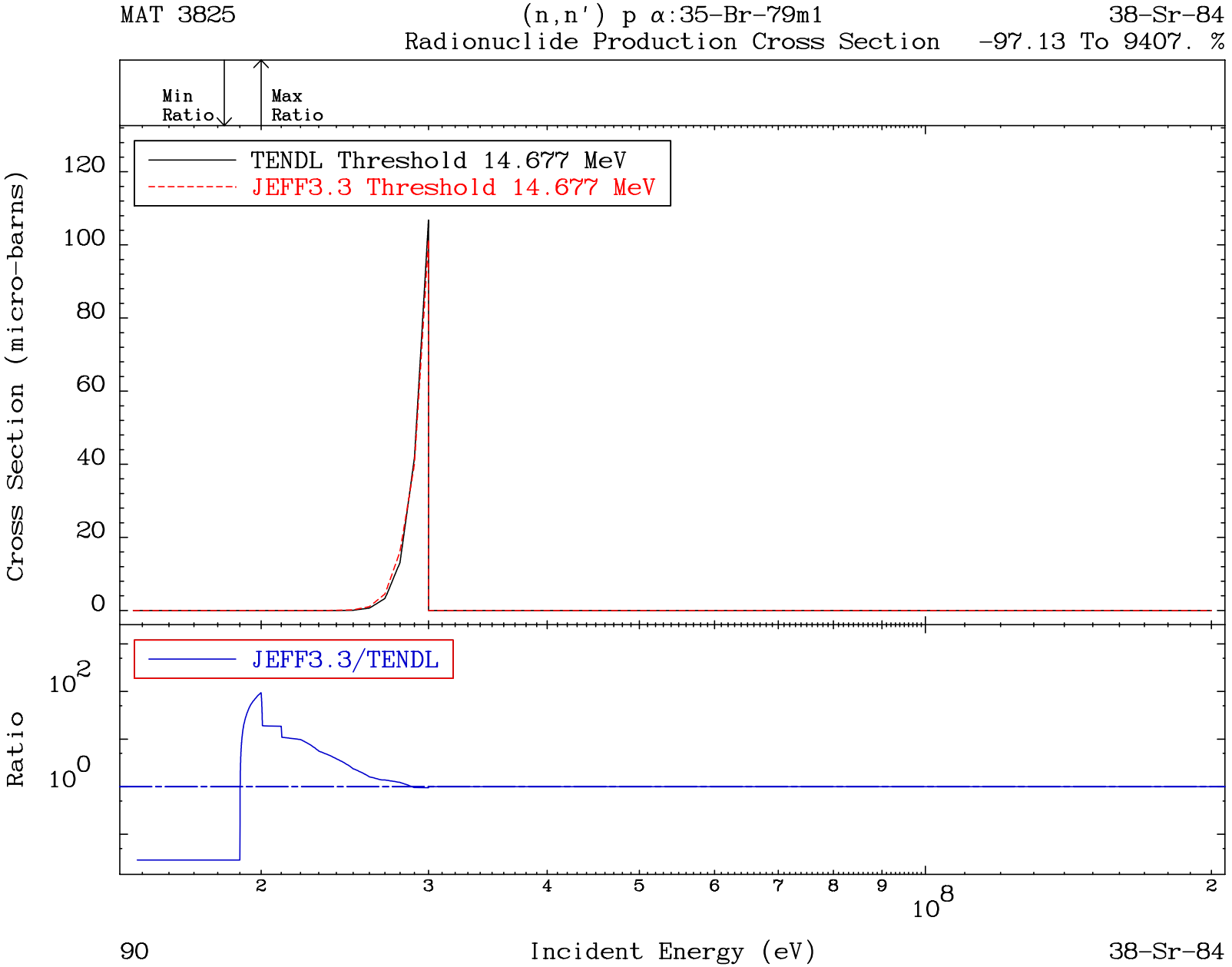

MAT 3825
(n,n') He-3:36-Kr-81g
38-Sr-84
Radionuclide Production Cross Section -8.601 To 110.2 %
Max Ratio
Min Ratio
TENDL Threshold 18.100 MeV
JEFF3.3 Threshold 18.100 MeV
Cross Section (micro-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
2.4
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
38-Sr-84

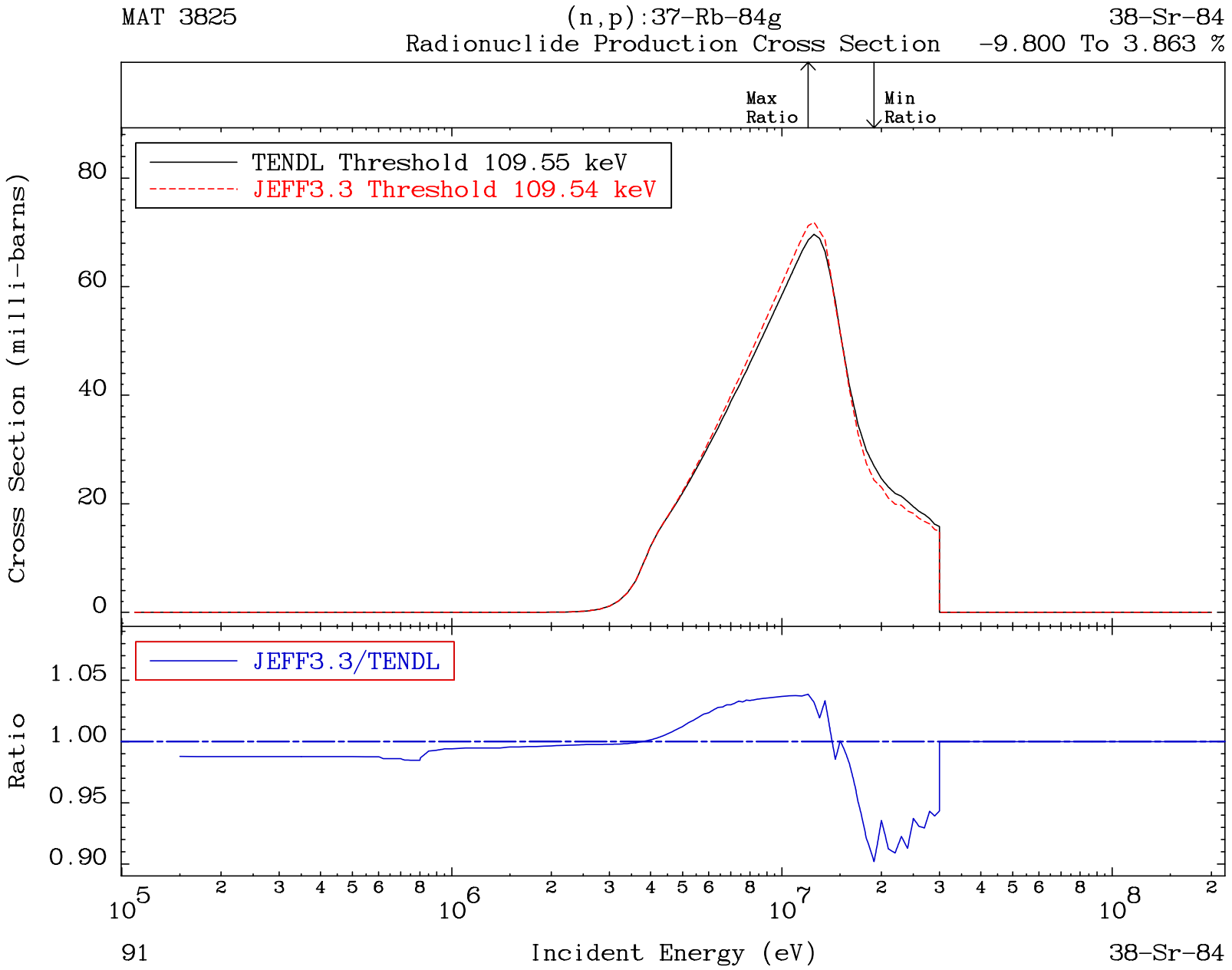

MAT 3825
(n,n') He-3:36-Kr-81m2
38-Sr-84
Radionuclide Production Cross Section
-0.830 To 637.4 %
Max Ratio
Min Ratio
TENDL Threshold 18.293 MeV
JEFF3.3 Threshold 18.293 MeV
Cross Section (micro-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
8
6
4
2
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
38-Sr-84

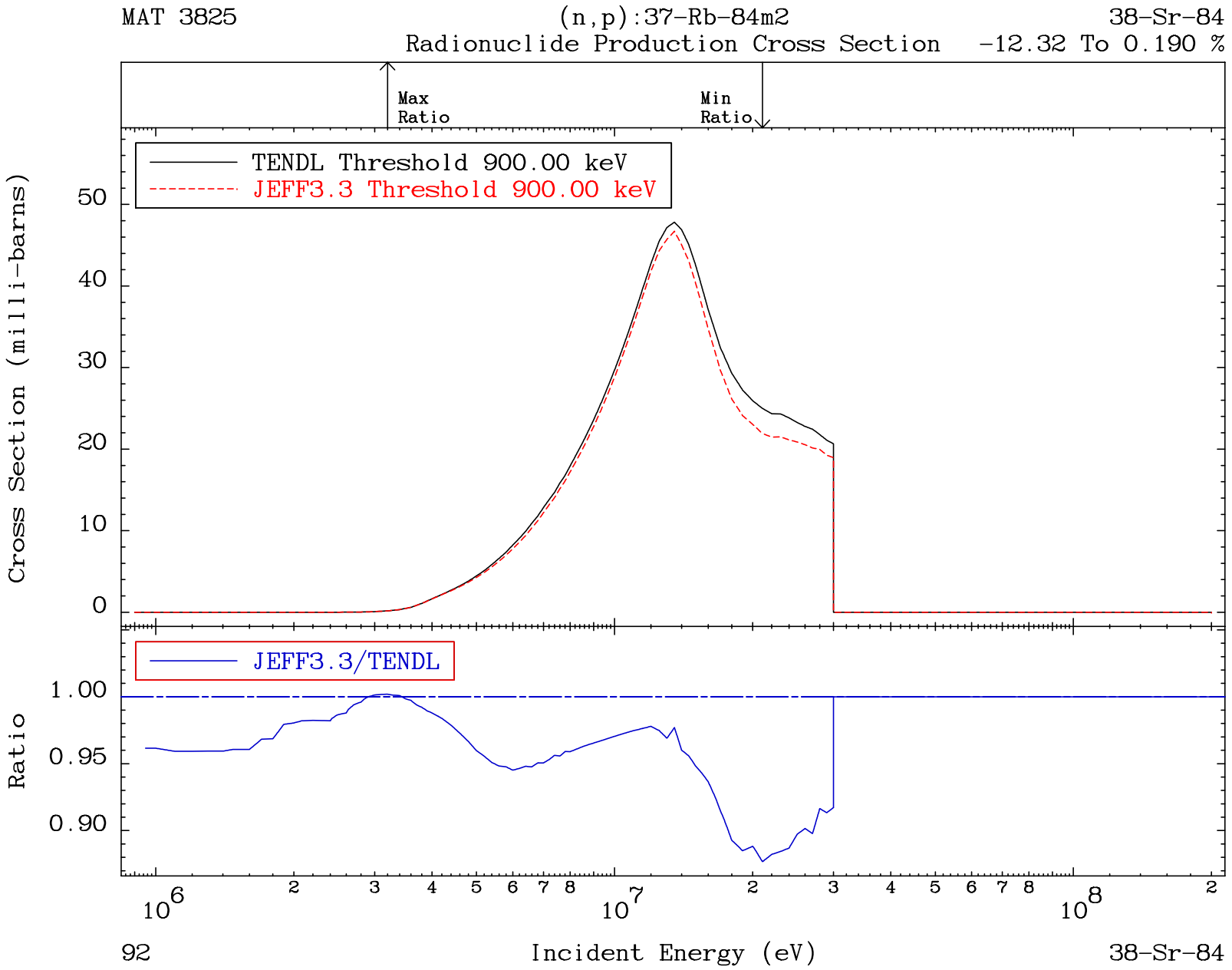

MAT 3825
(n,2n) p:37-Rb-82g
38-Sr-84
Radionuclide Production Cross Section 0.000 To 9999. %
Min Ratio
TENDL Threshold 20.060 MeV
JEFF3.3 Threshold 20.060 MeV
Cross Section (milli-barns)
0
10
20
30
40
JEFF3.3/TENDL
Ratio
10^0
10^2
10^4
20
40
60
80
100
120
140
160
180
200
87
Incident Energy (MeV)
38-Sr-84

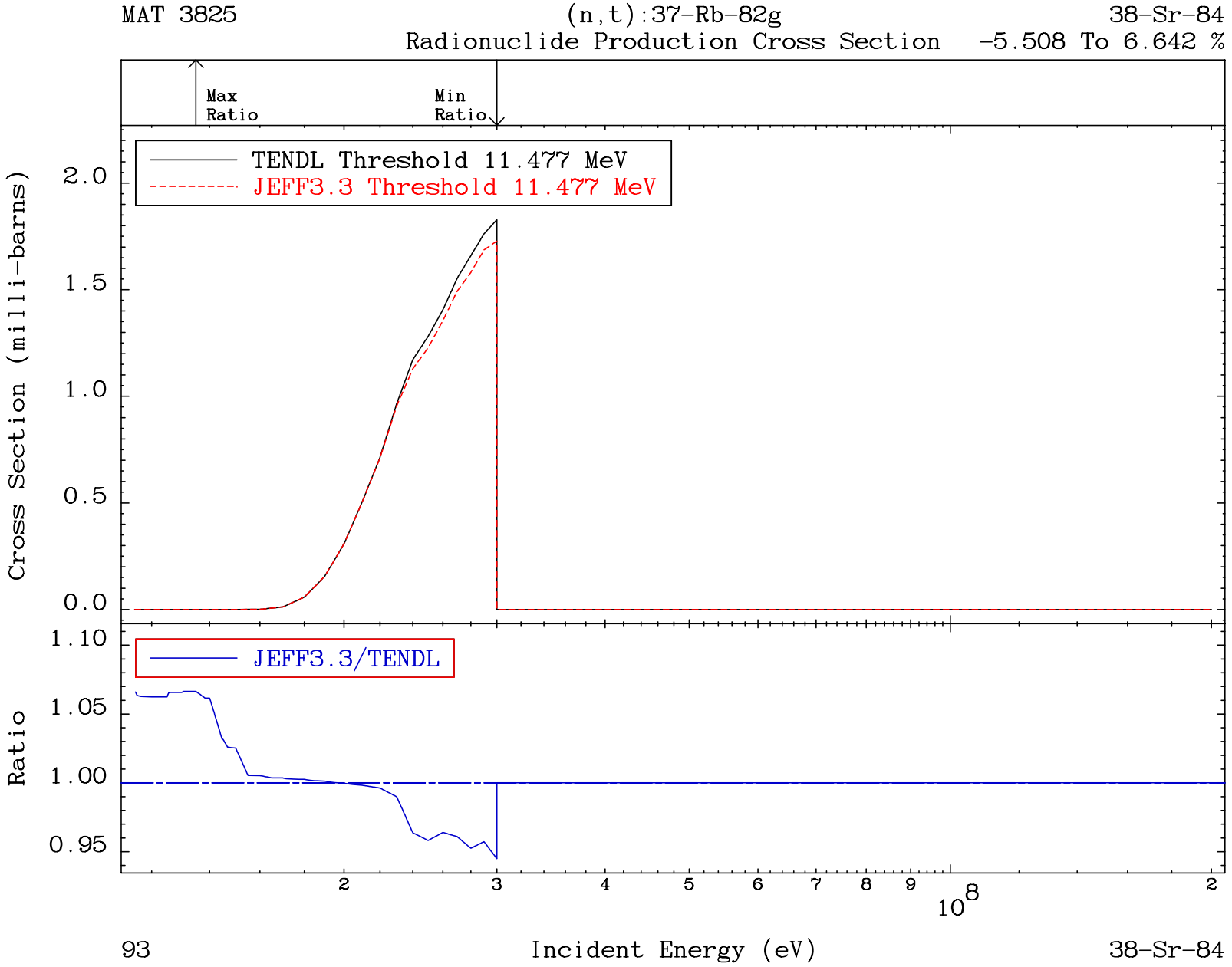

MAT 3825
(n,2n) p:37-Rb-82m1
38-Sr-84
Radionuclide Production Cross Section 0.000 To 9999. %
Min Ratio
TENDL Threshold 20.130 MeV
JEFF3.3 Threshold 20.130 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^4
10^2
10^0
20
40
60
80
100
120
140
160
180
200
88
Incident Energy (MeV)
38-Sr-84

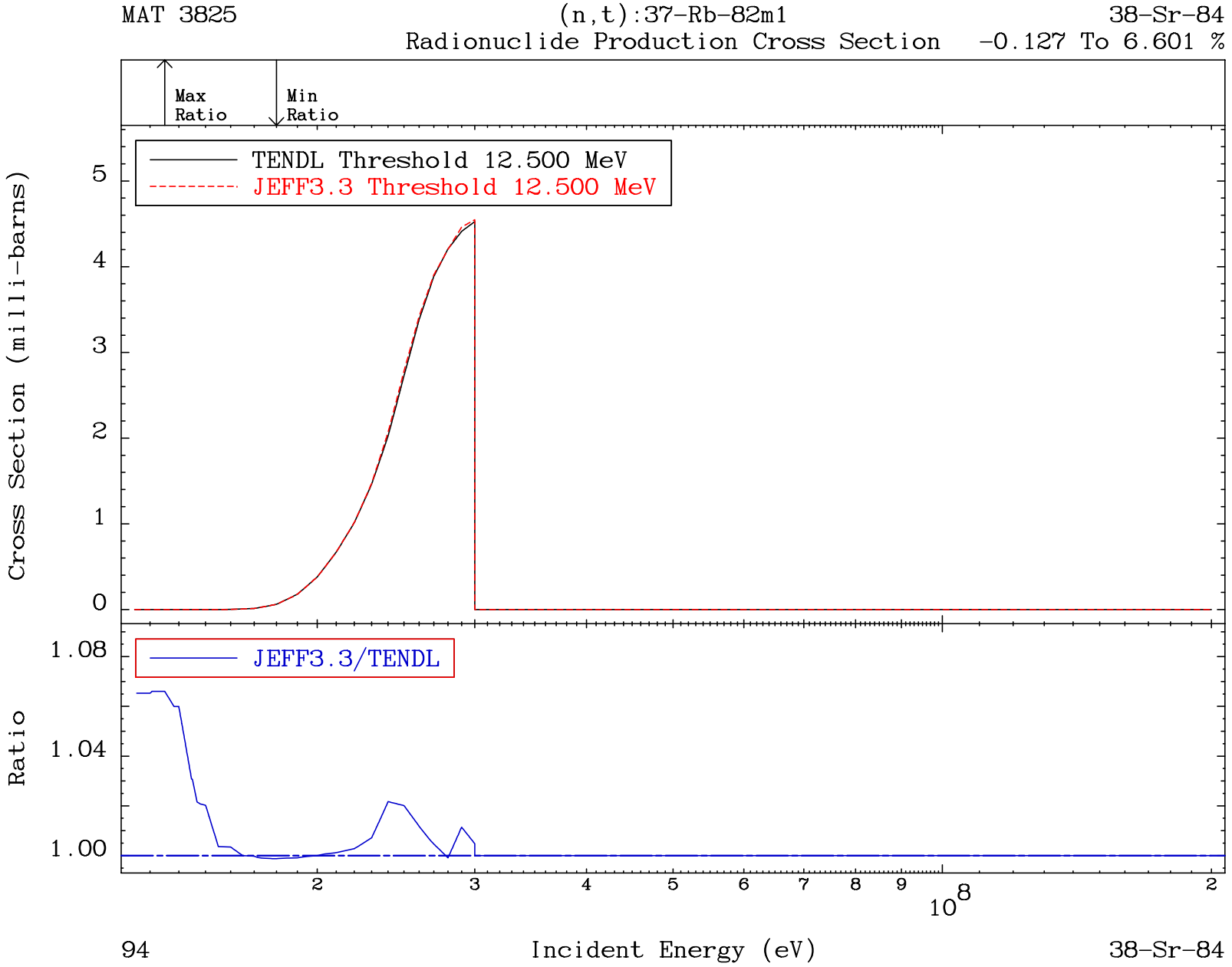

MAT 3825
(n,n') p α:35-Br-79g
38-Sr-84
Radionuclide Production Cross Section
-97.05 To 7501. %
Min Ratio
Max Ratio
TENDL Threshold 14.467 MeV
JEFF3.3 Threshold 14.467 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
89
Incident Energy (eV)
38-Sr-84

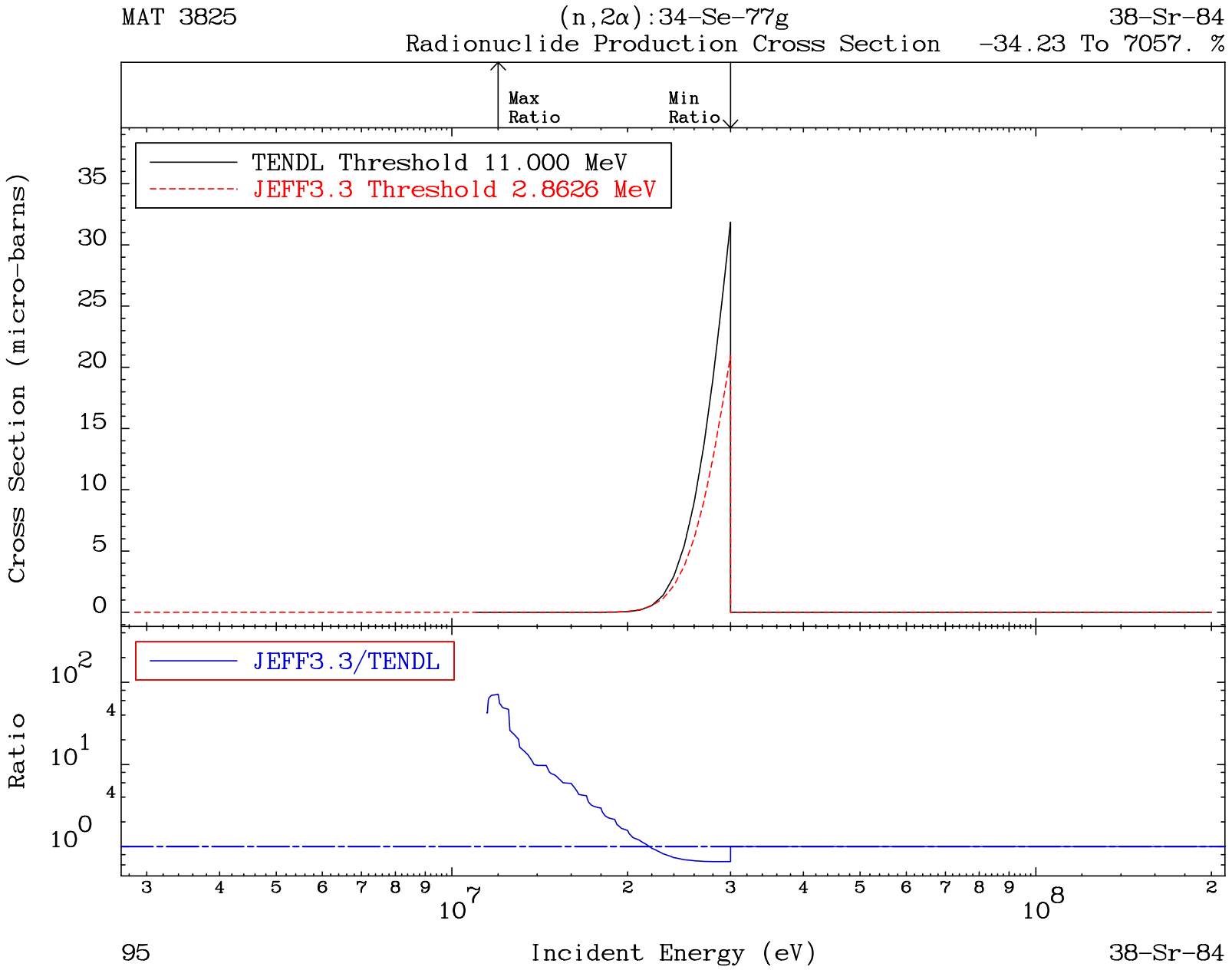

MAT 3825
(n,n') p α:35-Br-79m1
38-Sr-84
Radionuclide Production Cross Section -97.13 To 9407. %
Min Ratio
Max Ratio
TENDL Threshold 14.677 MeV
JEFF3.3 Threshold 14.677 MeV
Cross Section (micro-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
90
Incident Energy (eV)
38-Sr-84

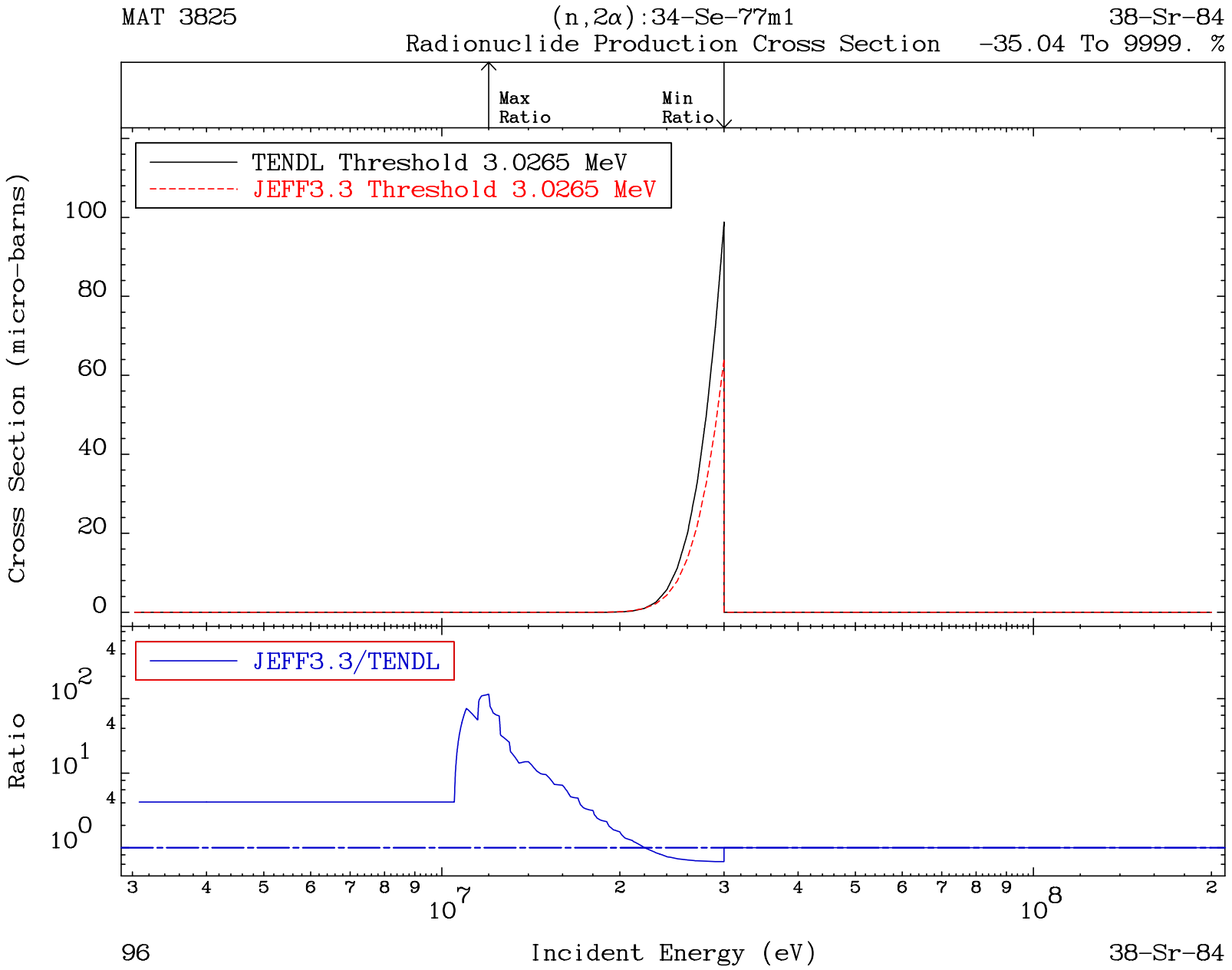

MAT 3825
(n,p):37-Rb-84g
38-Sr-84
Radionuclide Production Cross Section
-9.800 To 3.863 %
Max Ratio
Min Ratio
TENDL Threshold 109.55 keV
JEFF3.3 Threshold 109.54 keV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.05
1.00
0.95
0.90
10^5
10^6
10^7
10^8
91
Incident Energy (eV)
38-Sr-84

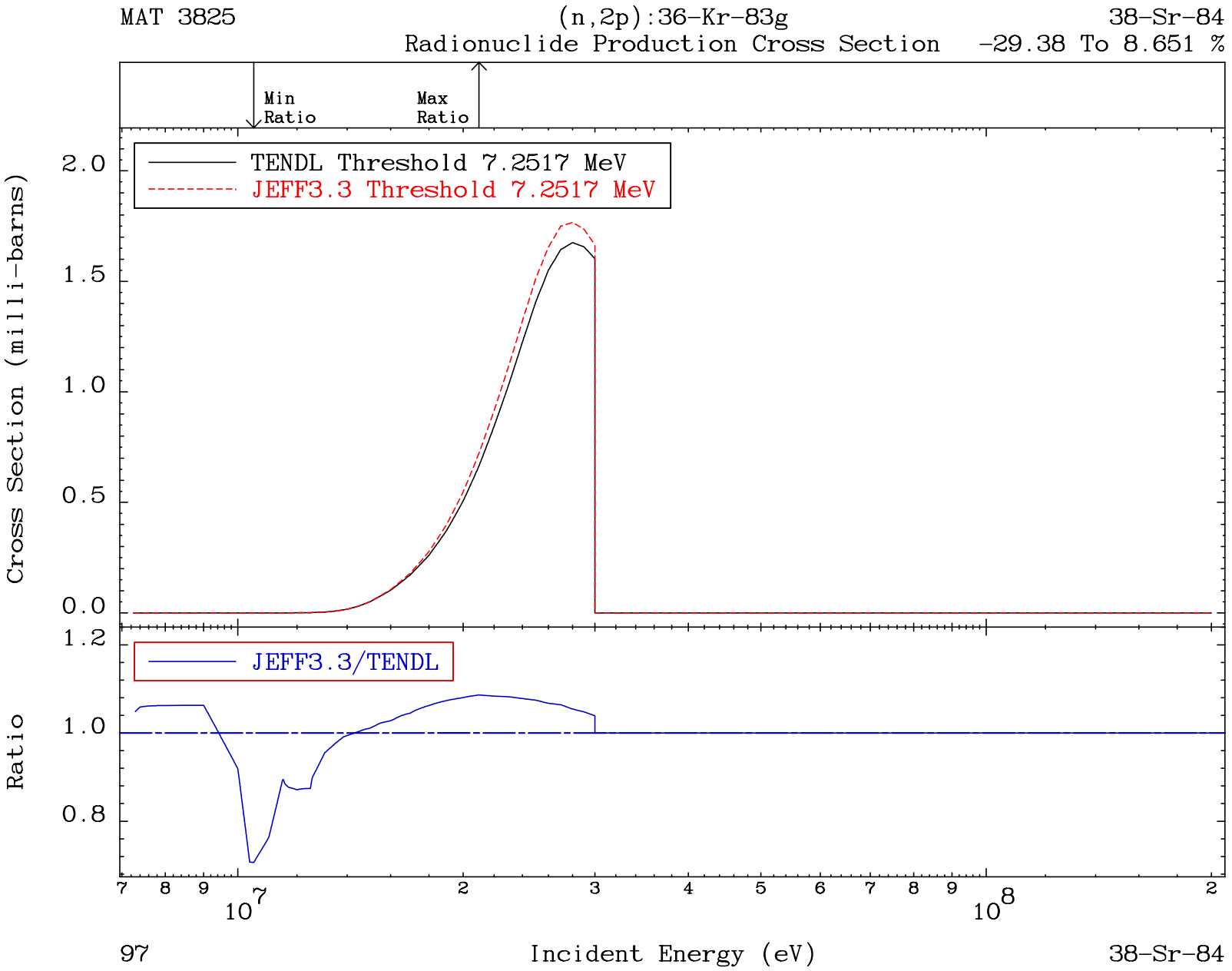

MAT 3825
(n,p):37-Rb-84m2
38-Sr-84
Radionuclide Production Cross Section -12.32 To 0.190 %
Max Ratio
Min Ratio
TENDL Threshold 900.00 keV
JEFF3.3 Threshold 900.00 keV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.00
0.95
0.90
10^6
10^7
10^8
92
Incident Energy (eV)
38-Sr-84

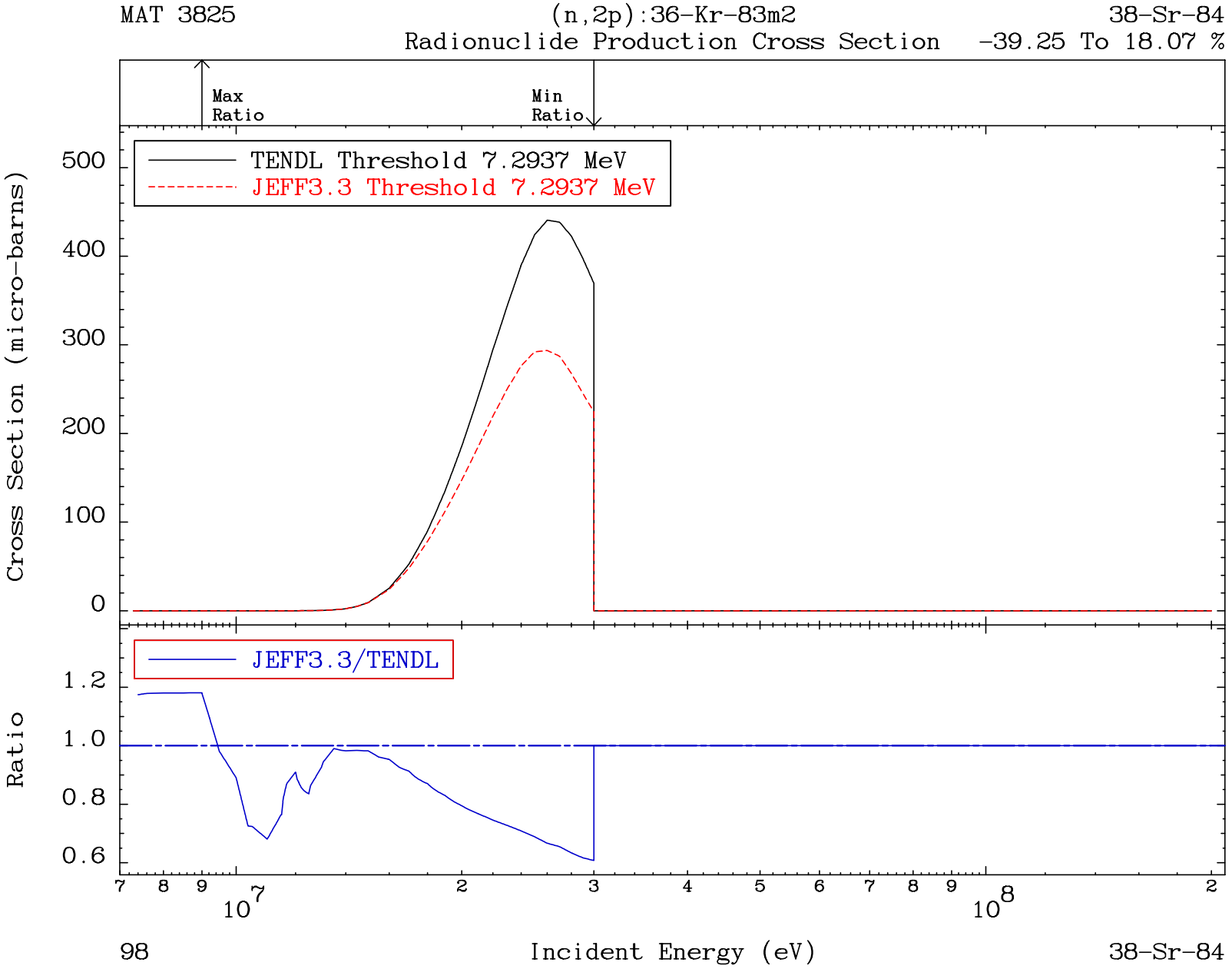

MAT 3825
(n,t):37-Rb-82g
38-Sr-84
Radionuclide Production Cross Section -5.508 To 6.642 %
Max Ratio
Min Ratio
TENDL Threshold 11.477 MeV
JEFF3.3 Threshold 11.477 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.10
1.05
1.00
0.95
2
3
4
5
6
7
8
9
10^8
2
93
Incident Energy (eV)
38-Sr-84

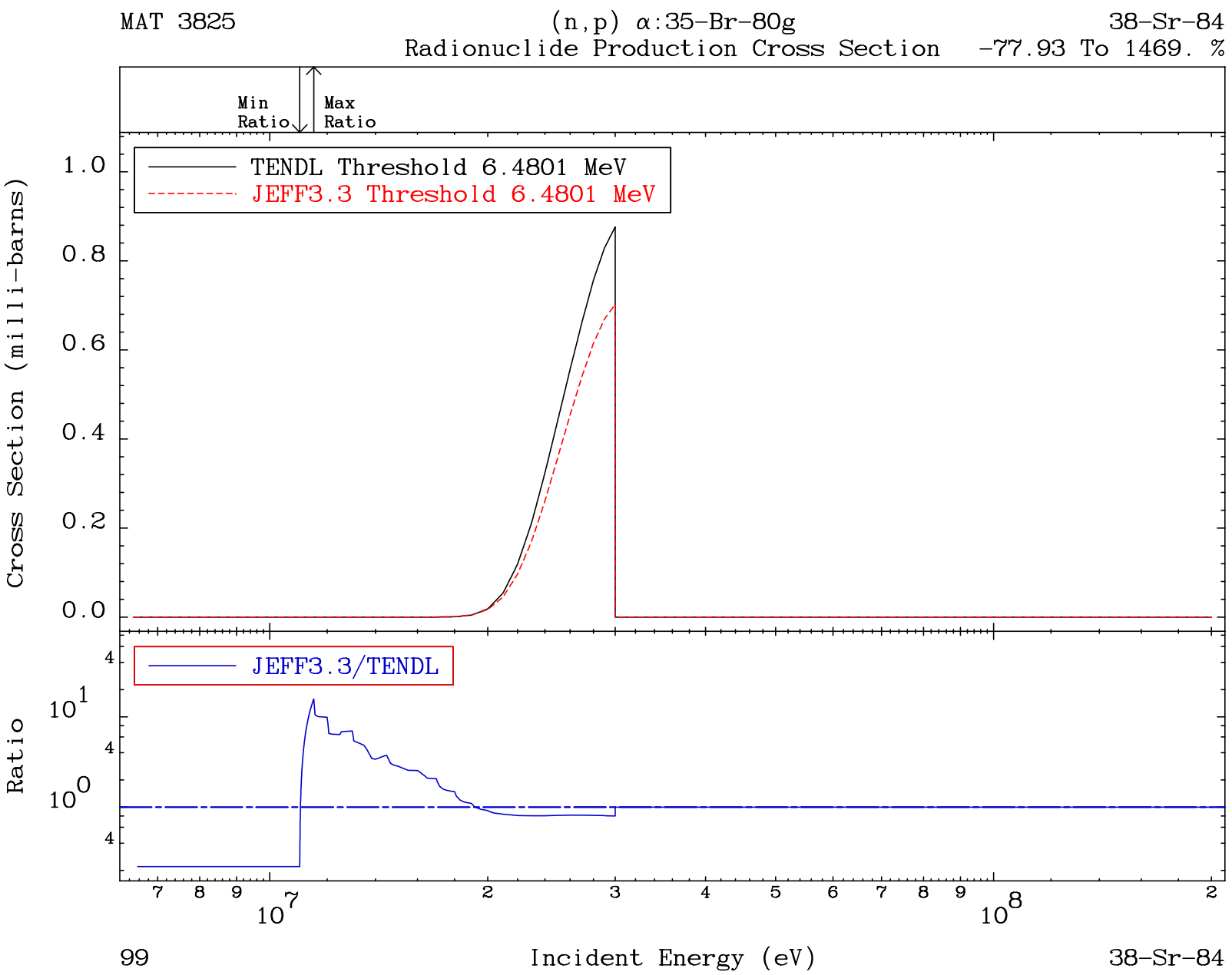

MAT 3825
(n,t):37-Rb-82m1
38-Sr-84
Radionuclide Production Cross Section -0.127 To 6.601 %
Max Ratio
Min Ratio
TENDL Threshold 12.500 MeV
JEFF3.3 Threshold 12.500 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
1.00
1.04
1.08
2
3
4
5
6
7
8
9
10^8
2
94
Incident Energy (eV)
38-Sr-84

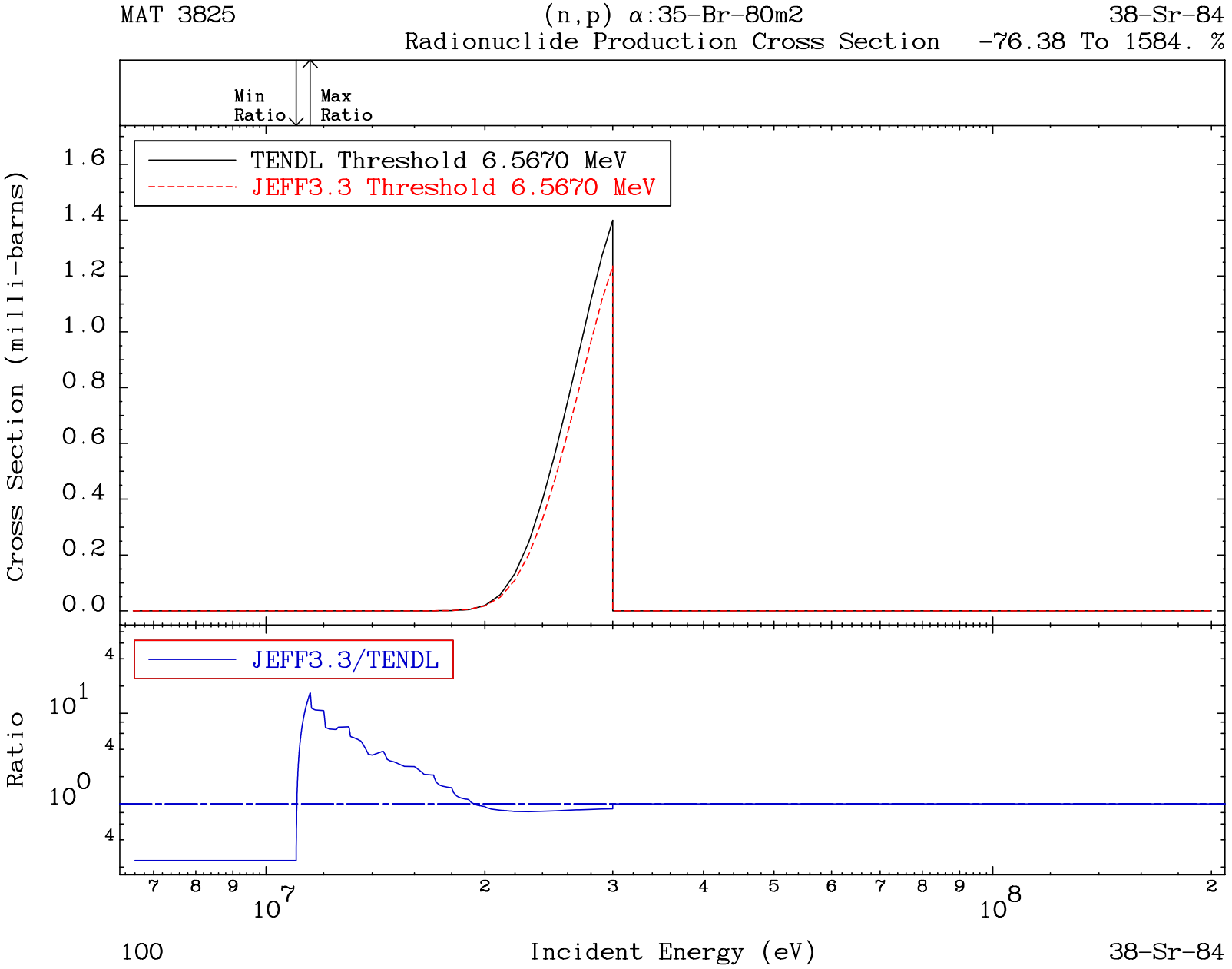

MAT 3825
(n,2α):34-Se-77g
38-Sr-84
Radionuclide Production Cross Section -34.23 To 7057. %
Max Ratio
Min Ratio
TENDL Threshold 11.000 MeV
JEFF3.3 Threshold 2.8626 MeV
Cross Section (micro-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
95
38-Sr-84

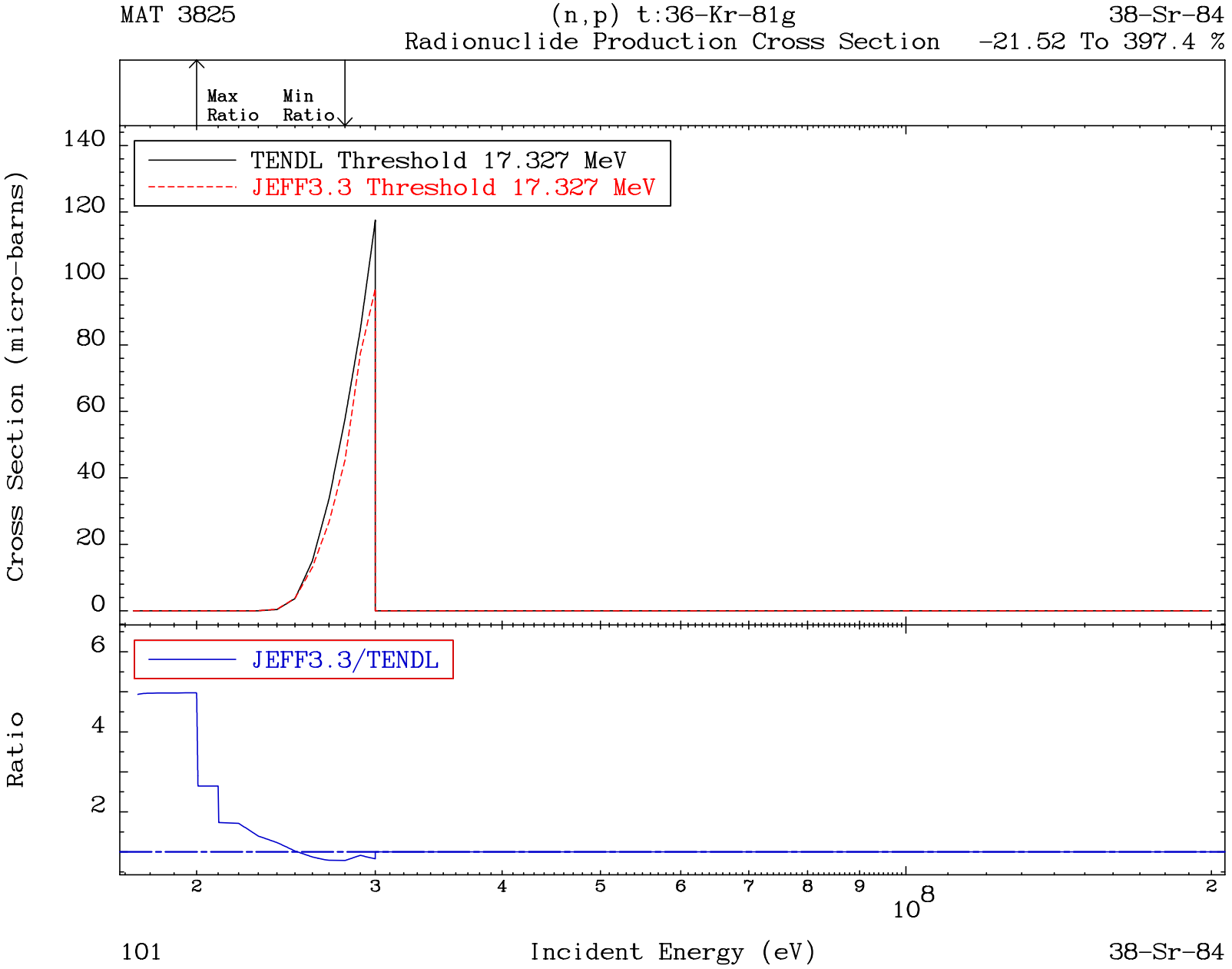

MAT 3825
(n,2α):34-Se-77m1
38-Sr-84
Radionuclide Production Cross Section -35.04 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.0265 MeV
JEFF3.3 Threshold 3.0265 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
96
Incident Energy (eV)
38-Sr-84

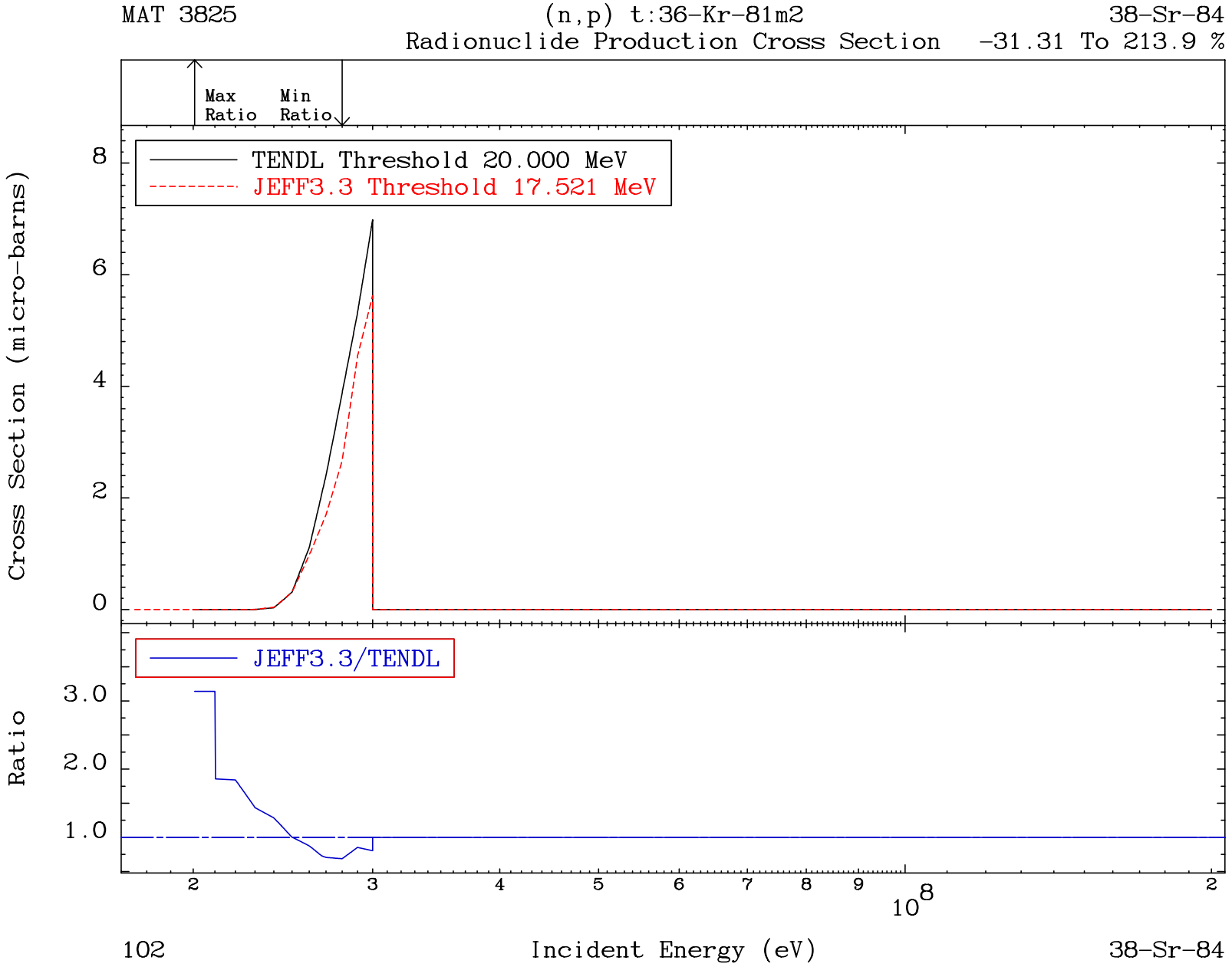

MAT 3825
(n,2p):36-Kr-83g
38-Sr-84
Radionuclide Production Cross Section
-29.38 To 8.651 %
Min Ratio
Max Ratio
TENDL Threshold 7.2517 MeV
JEFF3.3 Threshold 7.2517 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.2
1.0
0.8
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
97
Incident Energy (eV)
38-Sr-84

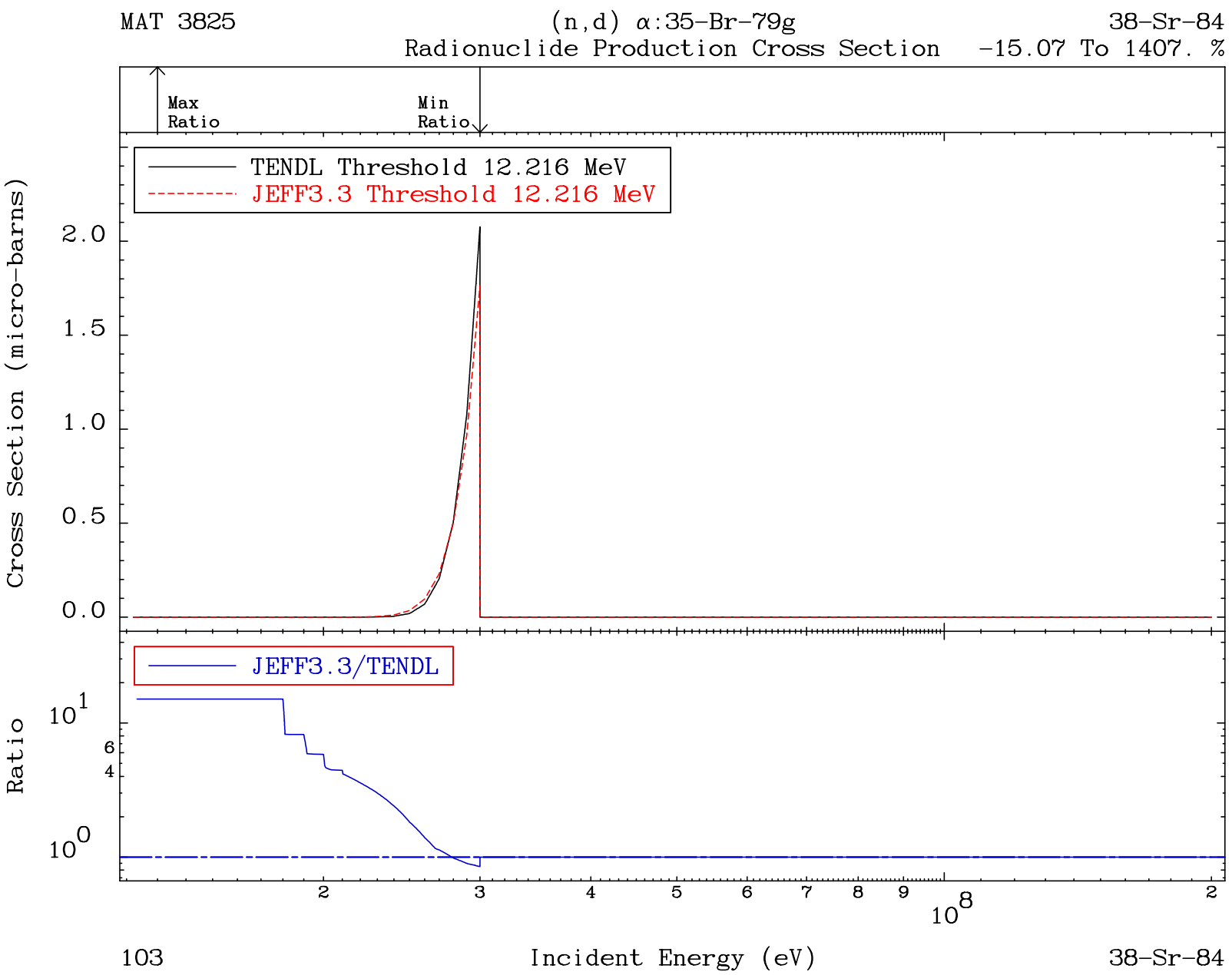

MAT 3825
(n,2p):36-Kr-83m2
38-Sr-84
Radionuclide Production Cross Section -39.25 To 18.07 %
Max Ratio
Min Ratio
TENDL Threshold 7.2937 MeV
JEFF3.3 Threshold 7.2937 MeV
Cross Section (micro-barns)
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.2
1.0
0.8
0.6
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
98
Incident Energy (eV)
38-Sr-84

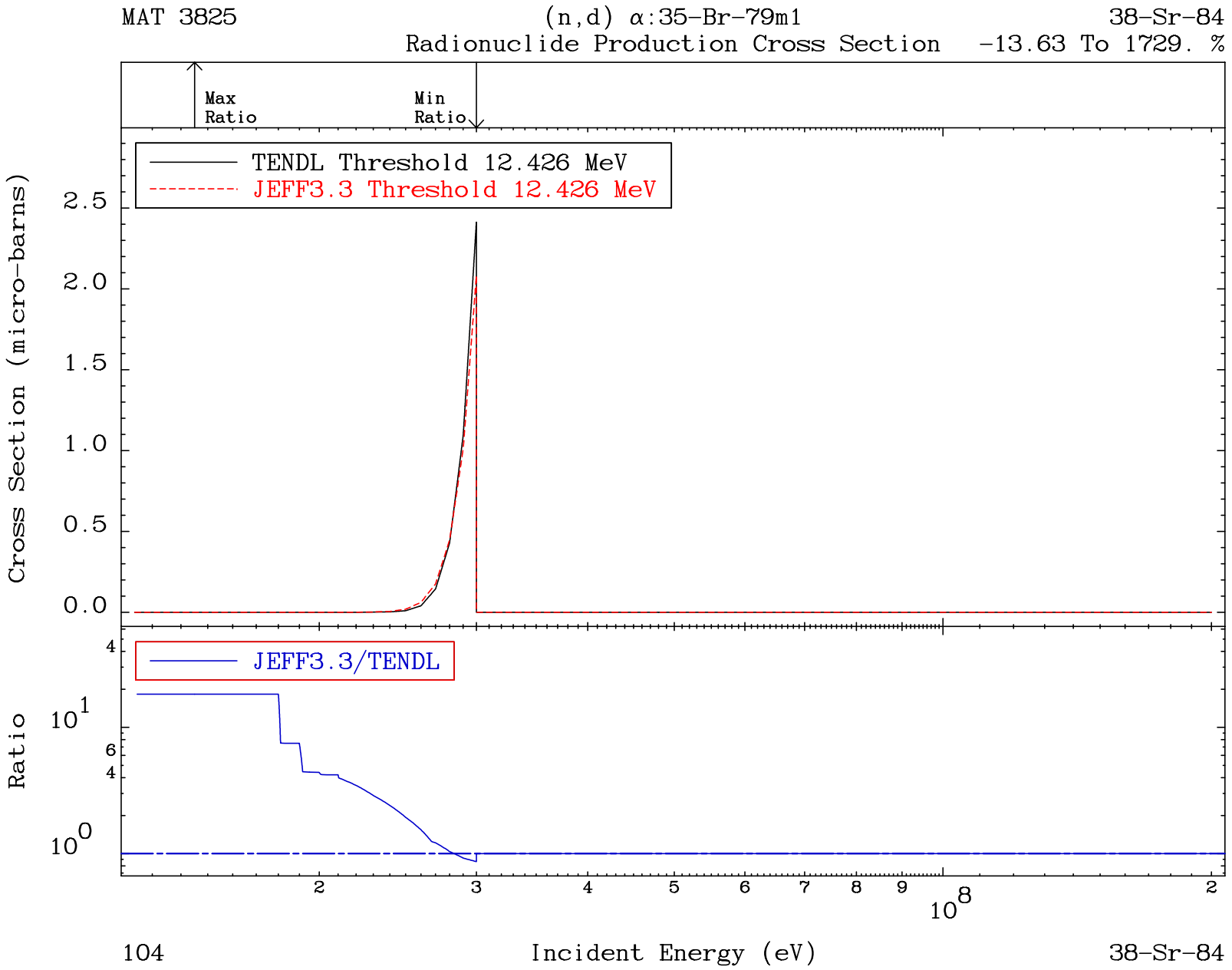

MAT 3825
(n,p) α:35-Br-80g
38-Sr-84
Radionuclide Production Cross Section -77.93 To 1469. %
Min Ratio
Max Ratio
TENDL Threshold 6.4801 MeV
JEFF3.3 Threshold 6.4801 MeV
Cross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
10^1
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
99
Incident Energy (eV)
38-Sr-84


MAT 3825
(n,p) α:35-Br-80m2
38-Sr-84
Radionuclide Production Cross Section -76.38 To 1584. %
Min Ratio
Max Ratio
TENDL Threshold 6.5670 MeV
JEFF3.3 Threshold 6.5670 MeV
Cross Section (milli-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
10^1
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
100
Incident Energy (eV)
38-Sr-84


MAT 3825
(n,p) t:36-Kr-81g
38-Sr-84
Radionuclide Production Cross Section -21.52 To 397.4 %
Max Ratio
Min Ratio
TENDL Threshold 17.327 MeV
JEFF3.3 Threshold 17.327 MeV
Cross Section (micro-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
6
4
2
2
3
4
5
6
7
8
9
10^8
2
101
Incident Energy (eV)
38-Sr-84


MAT 3825
(n,p) t:36-Kr-81m2
38-Sr-84
Radionuclide Production Cross Section -31.31 To 213.9 %
Max Ratio
Min Ratio
TENDL Threshold 20.000 MeV
JEFF3.3 Threshold 17.521 MeV
Cross Section (micro-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
1.0
2.0
3.0
2
3
4
5
6
7
8
9
10^8
2
102
Incident Energy (eV)
38-Sr-84


MAT 3825
(n,d) α:35-Br-79g
38-Sr-84
Radionuclide Production Cross Section -15.07 To 1407. %
Max Ratio
Min Ratio
TENDL Threshold 12.216 MeV
JEFF3.3 Threshold 12.216 MeV
Cross Section (micro-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^1
6
4
10^0
2
3
4
5
6
7
8
9
10^8
2
103
Incident Energy (eV)
38-Sr-84


MAT 3825
(n,d) α:35-Br-79m1
38-Sr-84
Radionuclide Production Cross Section -13.63 To 1729. %
Max Ratio
Min Ratio
TENDL Threshold 12.426 MeV
JEFF3.3 Threshold 12.426 MeV
Cross Section (micro-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
4
10^1
6
4
10^0
2
3
4
5
6
7
8
9
10^8
2
104
Incident Energy (eV)
38-Sr-84