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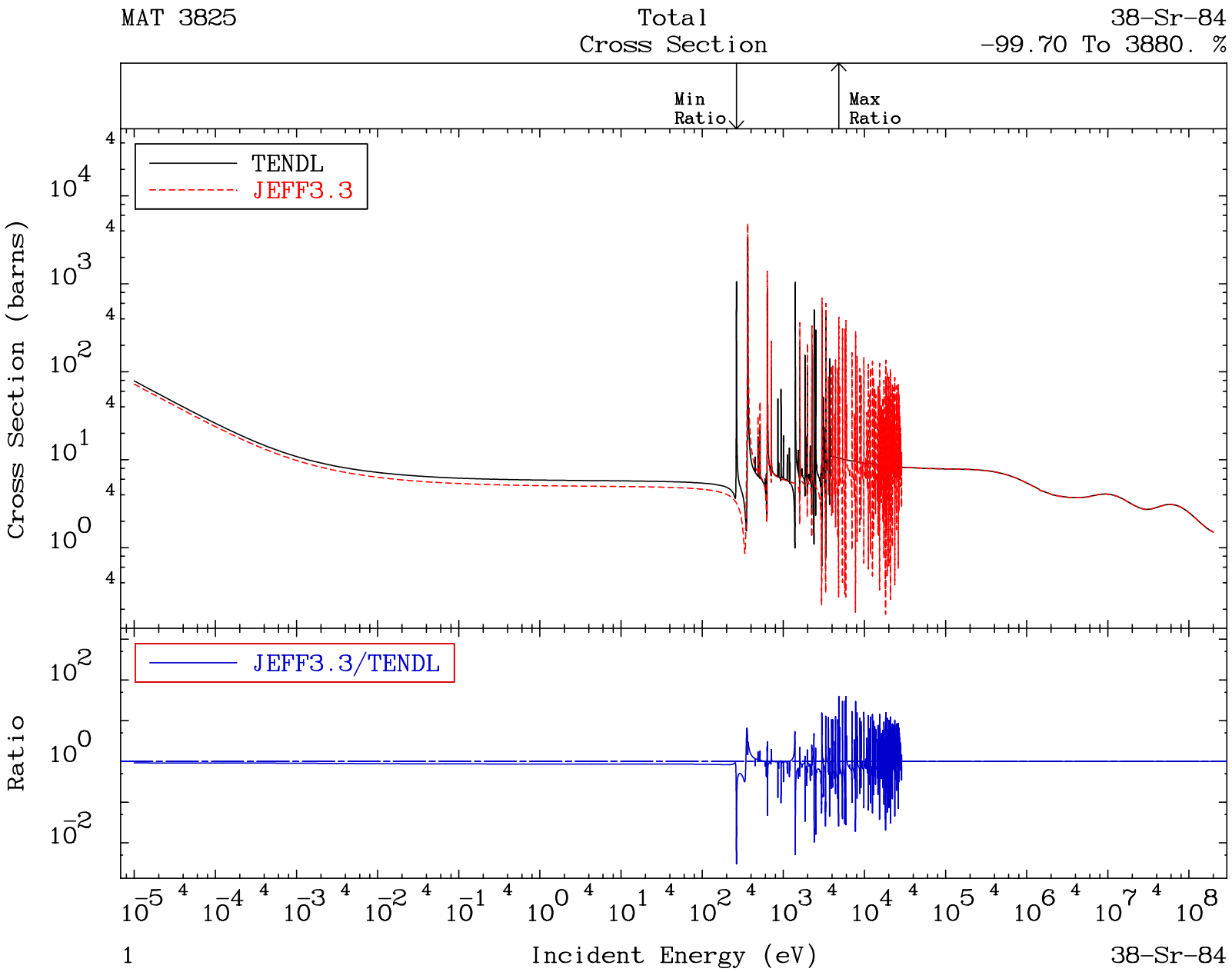
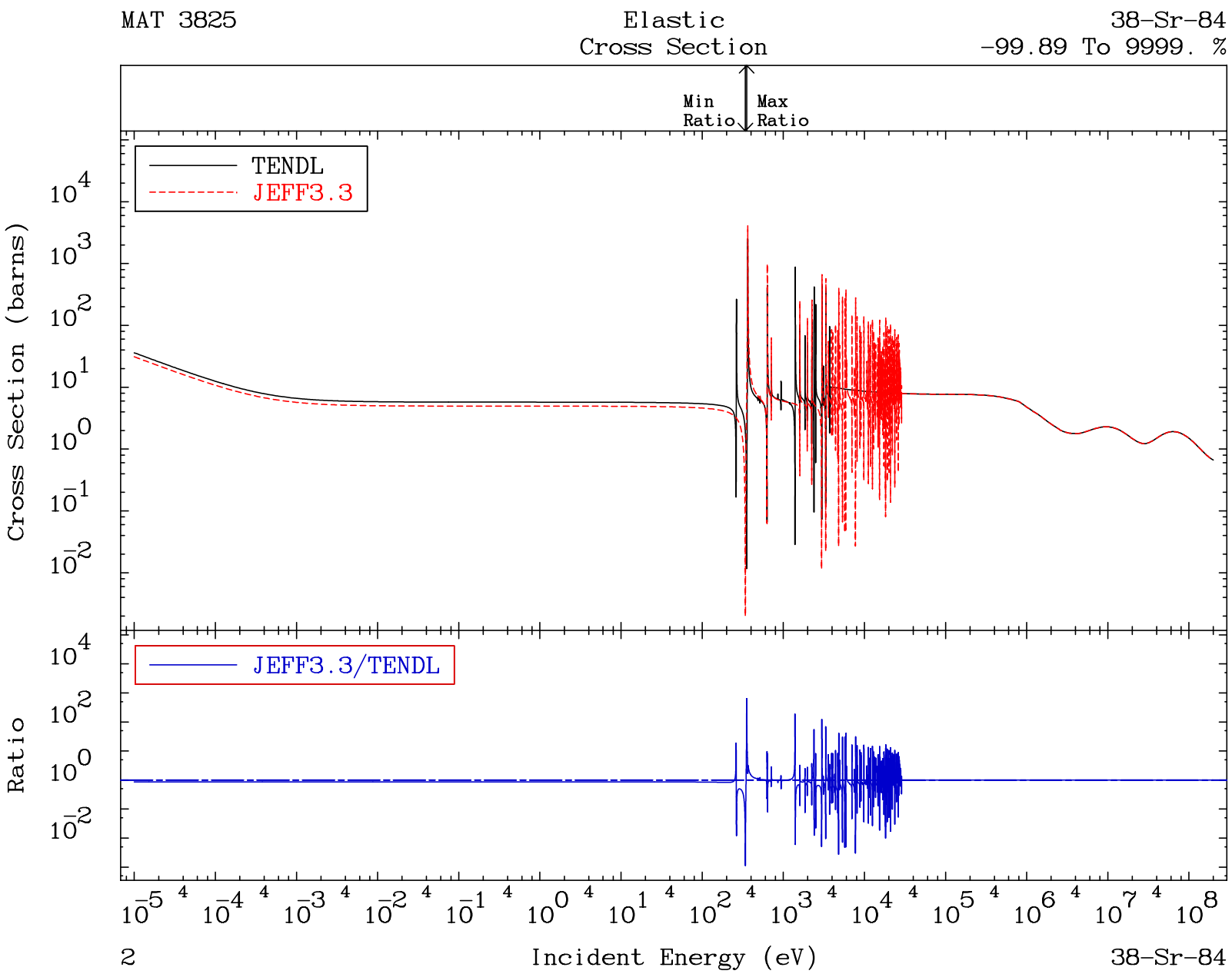
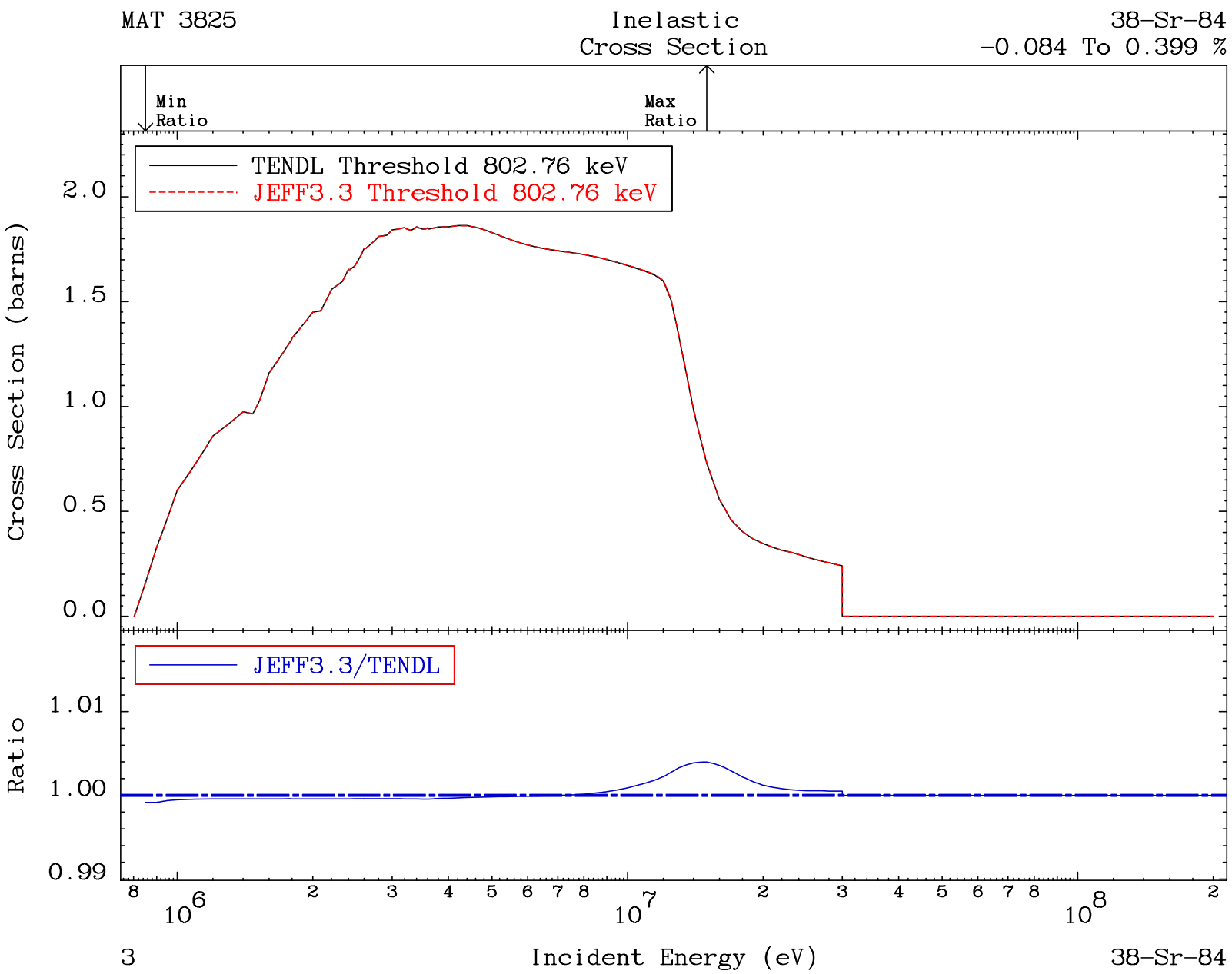
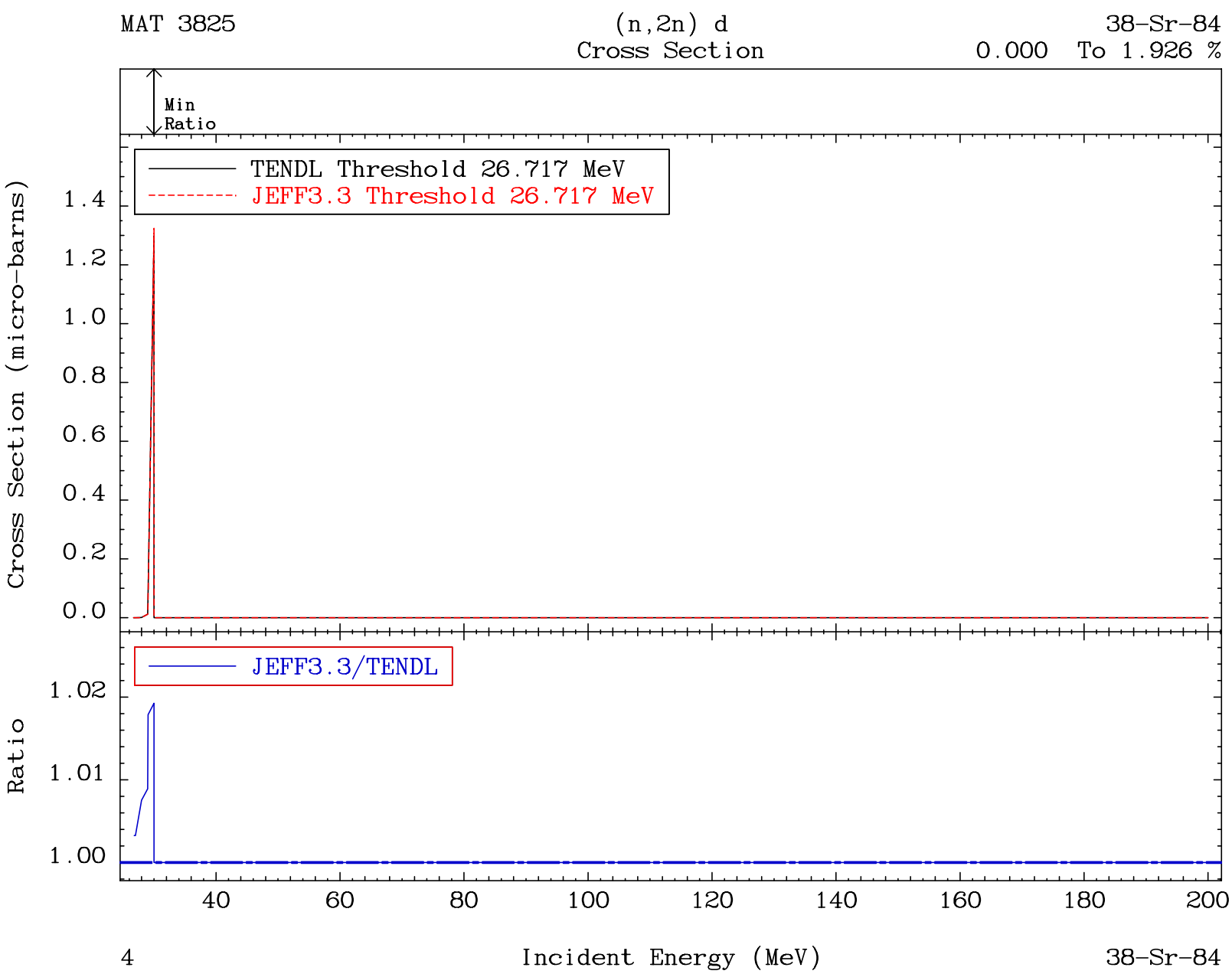
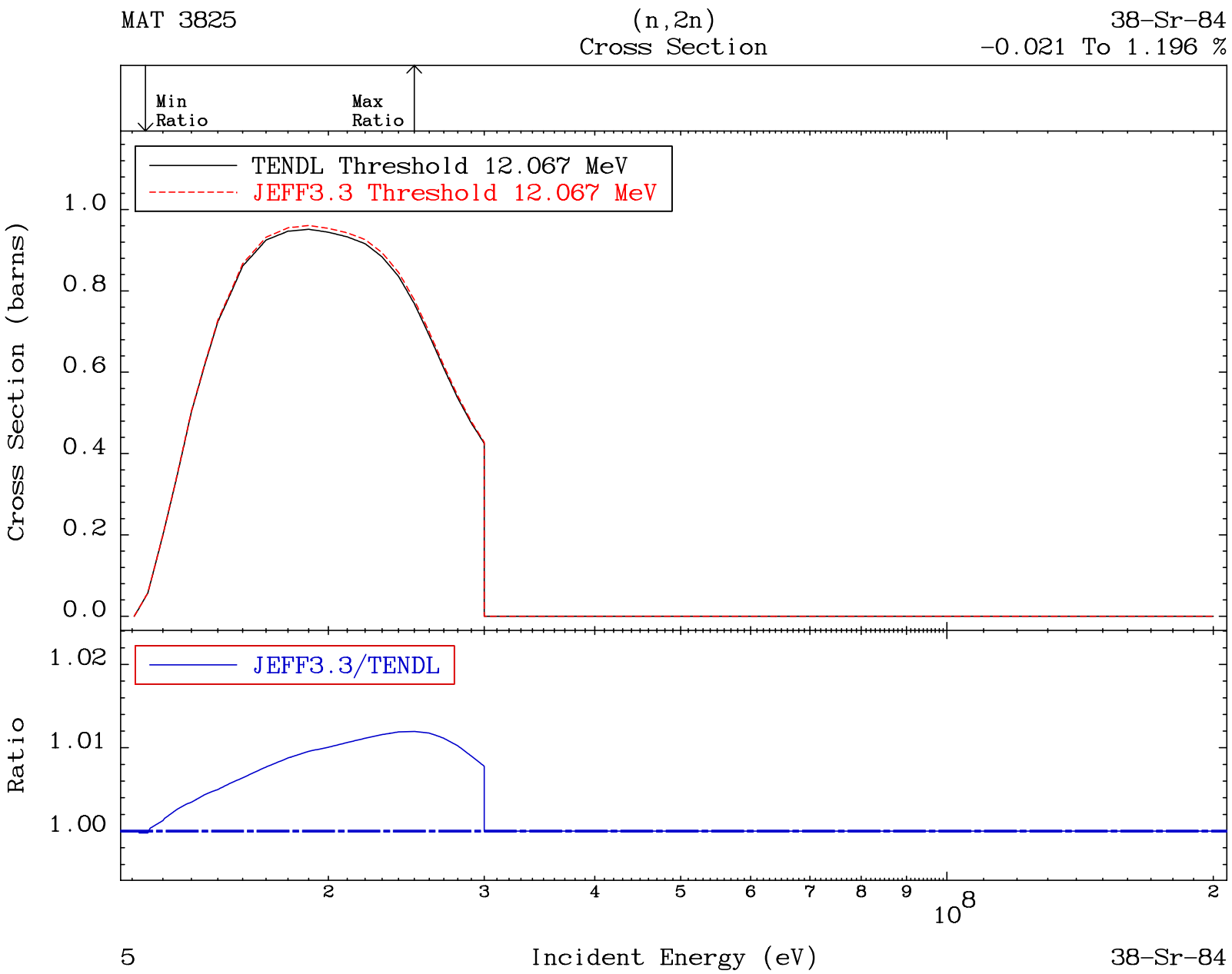
Press Mouse Button to Start

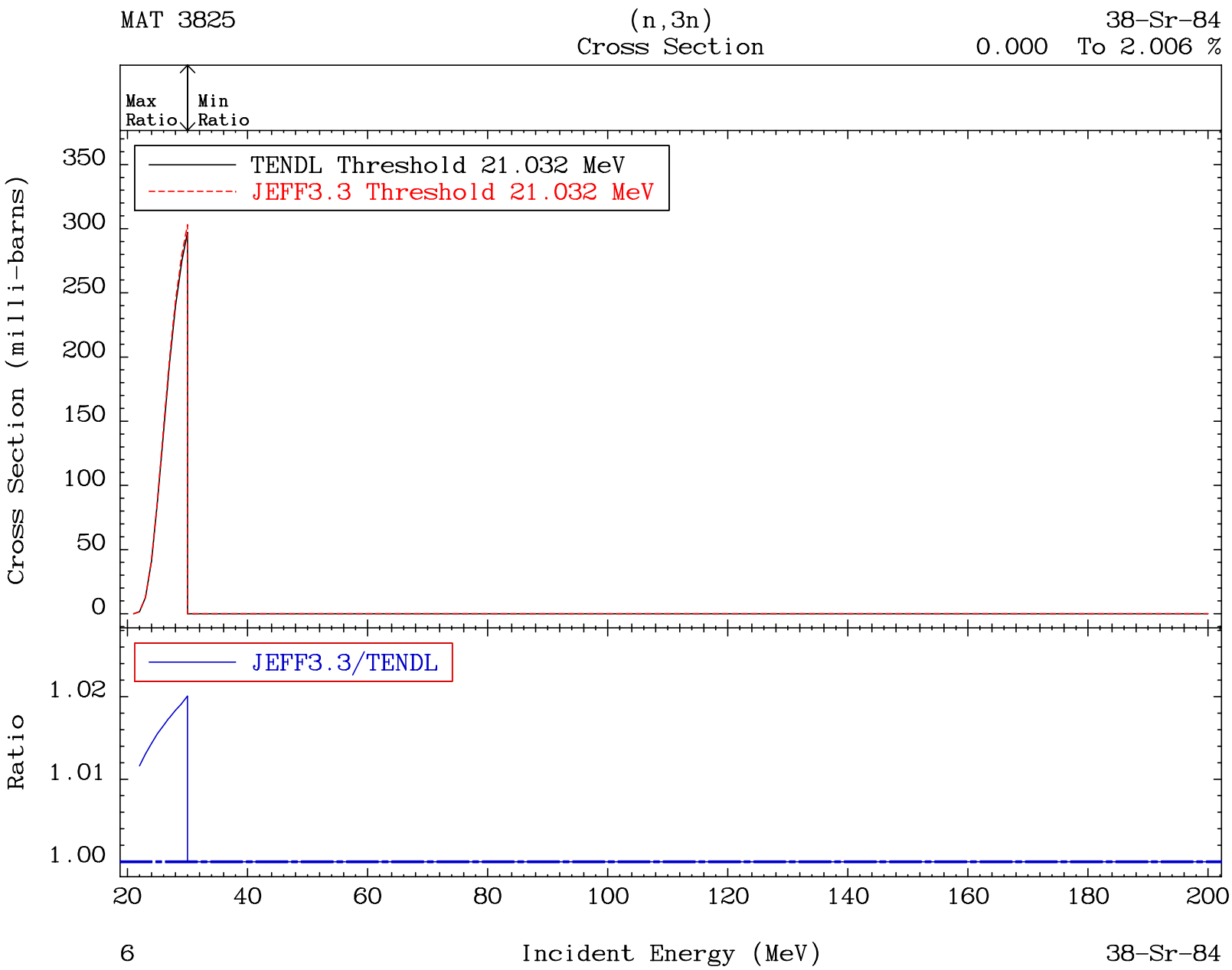

MAT 3825
Total
Cross Section
38-Sr-84
-99.70 To 3880. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
1
38-Sr-84

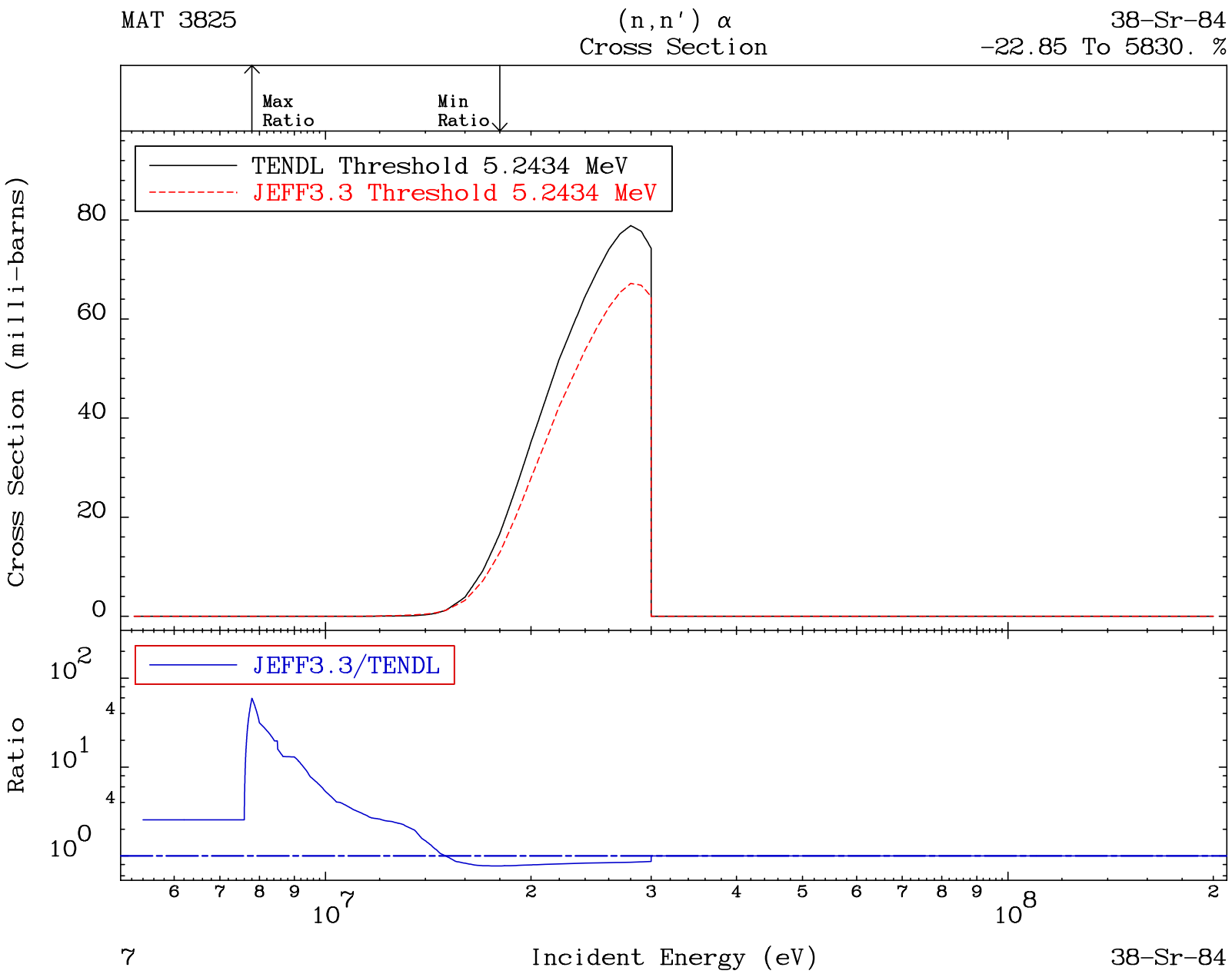

MAT 3825
Elastic
Cross Section
38-Sr-84
-99.89 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
2
38-Sr-84

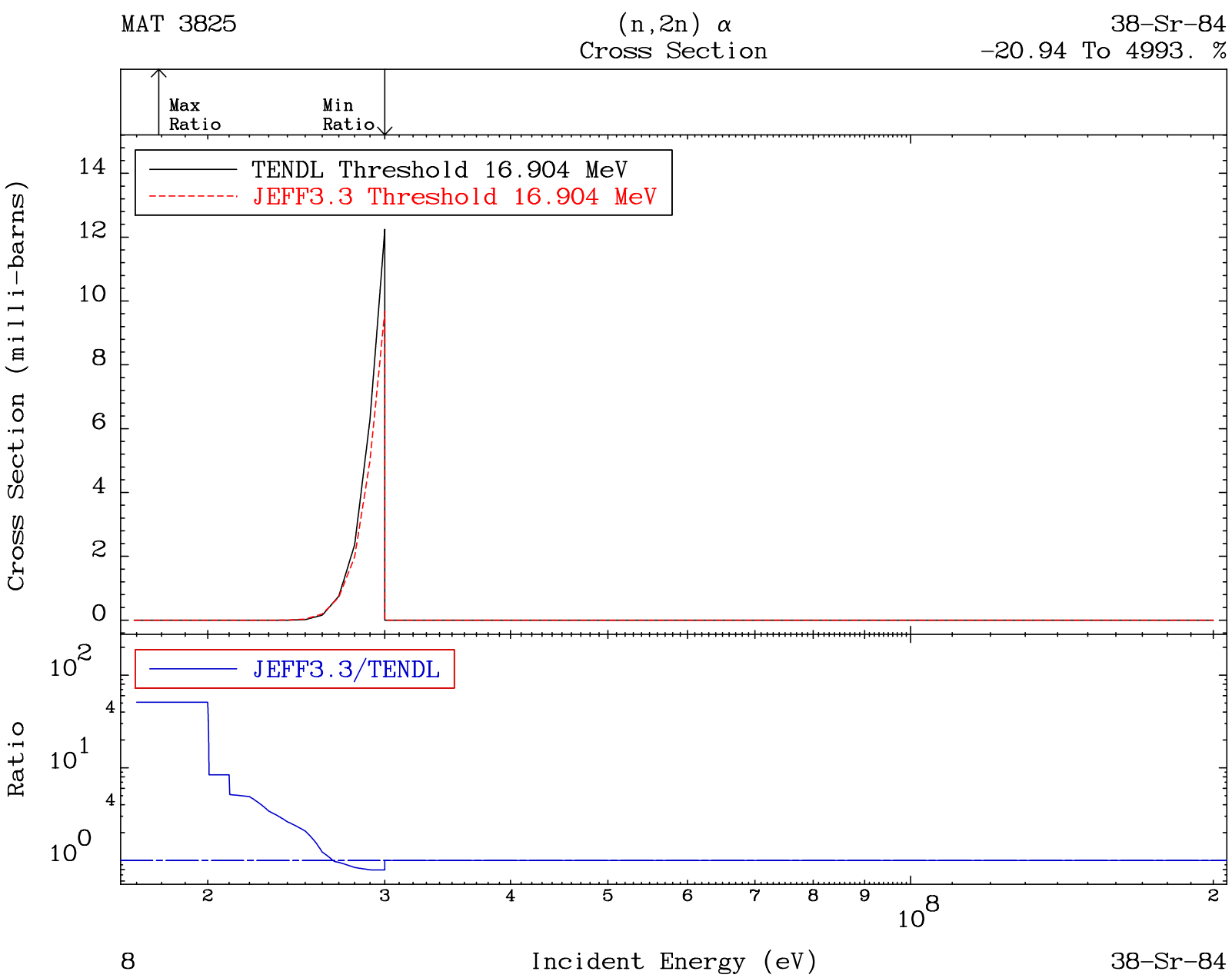

MAT 3825
Inelastic
Cross Section
38-Sr-84
-0.084 To 0.399 %
Min
Ratio
Max
Ratio
TENDL Threshold 802.76 keV
JEFF3.3 Threshold 802.76 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
3
Incident Energy (eV)
38-Sr-84

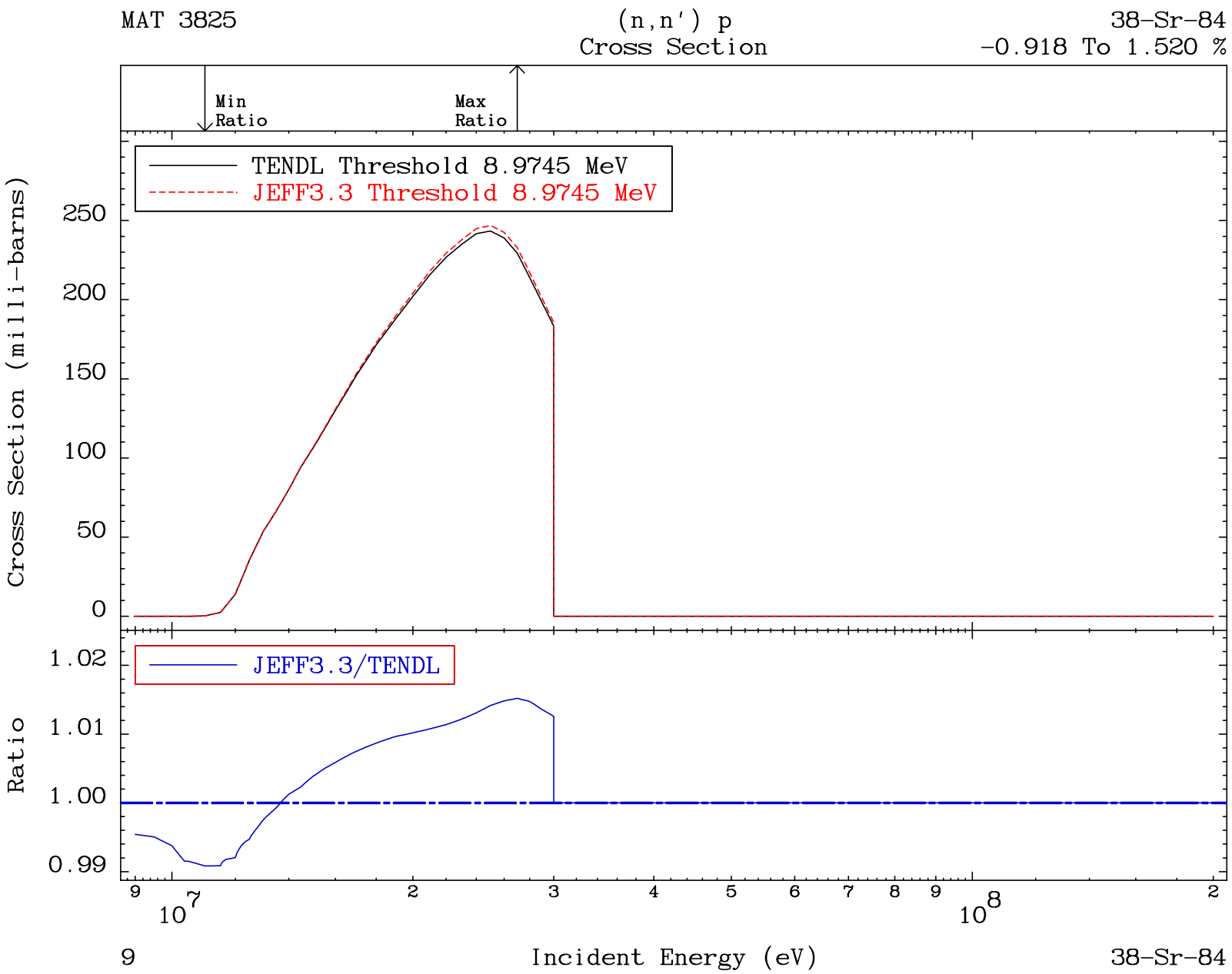

MAT 3825
(n,2n) d
Cross Section
38-Sr-84
0.000 To 1.926 %
Min
Ratio
TENDL Threshold 26.717 MeV
JEFF3.3 Threshold 26.717 MeV
Cross Section (micro-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
38-Sr-84

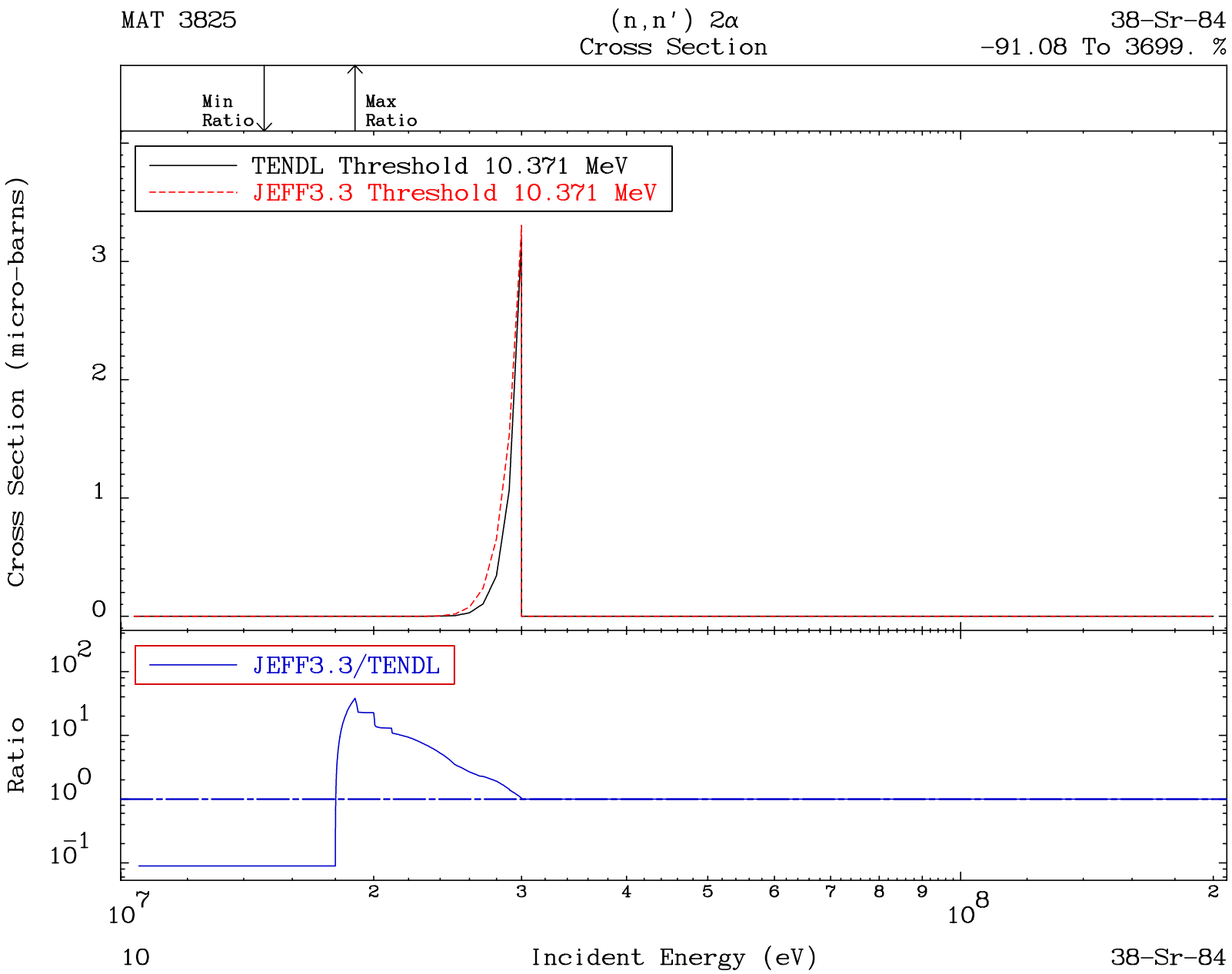

MAT 3825
(n,2n)
Cross Section
38-Sr-84
-0.021 To 1.196 %
Min Ratio
Max Ratio
TENDL Threshold 12.067 MeV
JEFF3.3 Threshold 12.067 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
38-Sr-84

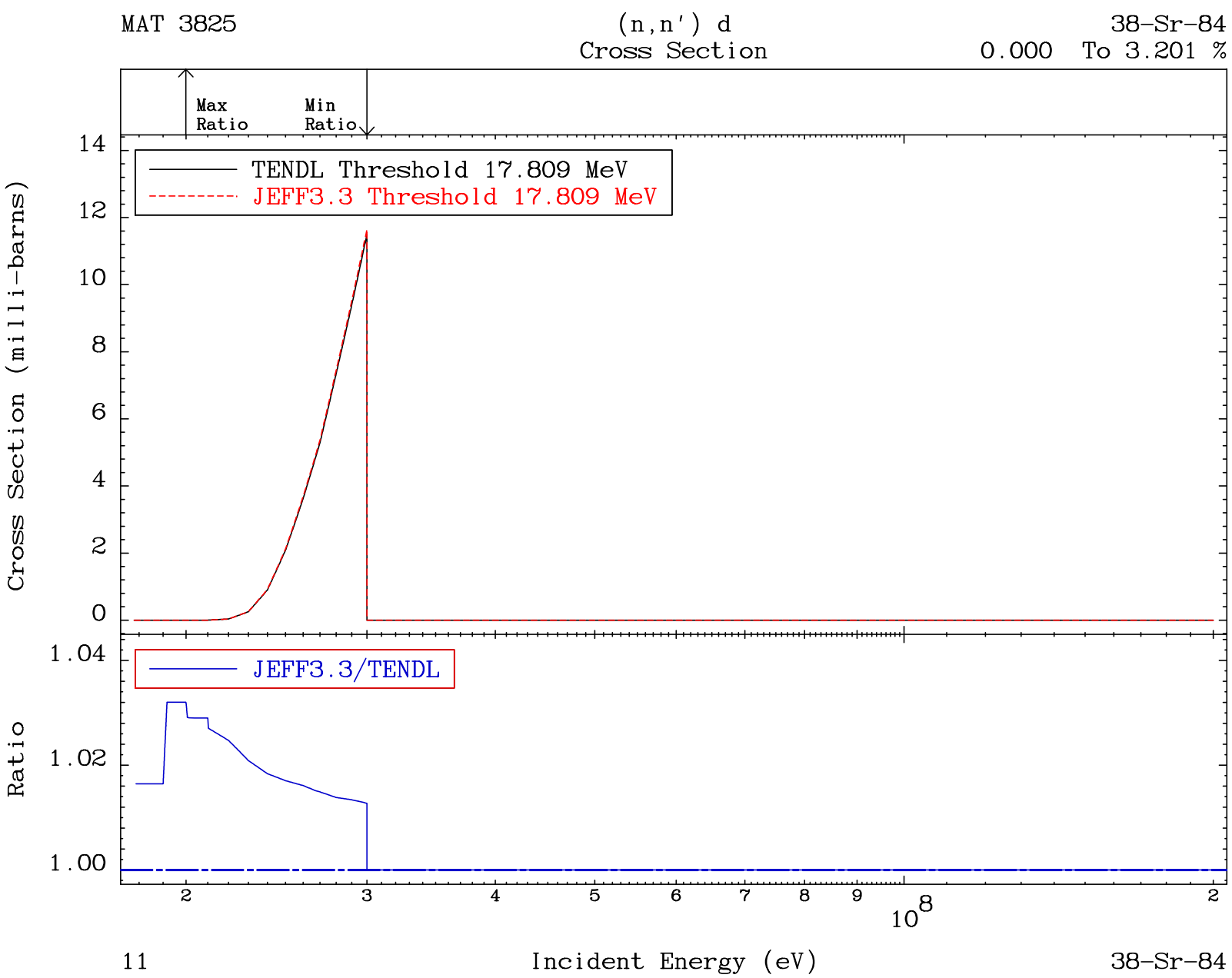

MAT 3825
(n,3n)
Cross Section
38-Sr-84
0.000 To 2.006 %
Max Ratio
Min Ratio
TENDL Threshold 21.032 MeV
JEFF3.3 Threshold 21.032 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
20
40
60
80
100
120
140
160
180
200
6
Incident Energy (MeV)
38-Sr-84

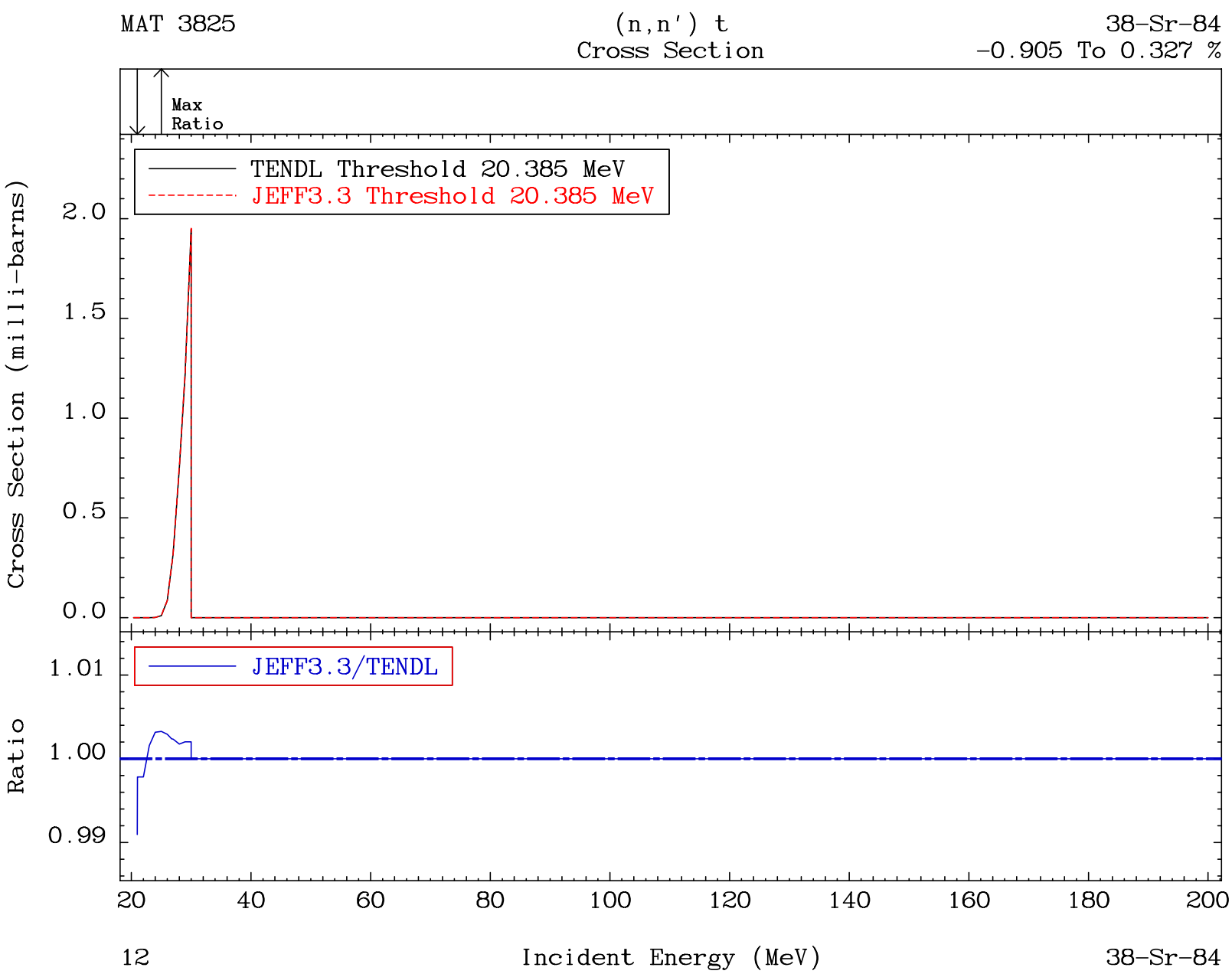

MAT 3825
(n,n') α
Cross Section
38-Sr-84
-22.85 To 5830. %
Max Ratio
Min Ratio
TENDL Threshold 5.2434 MeV
JEFF3.3 Threshold 5.2434 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
38-Sr-84

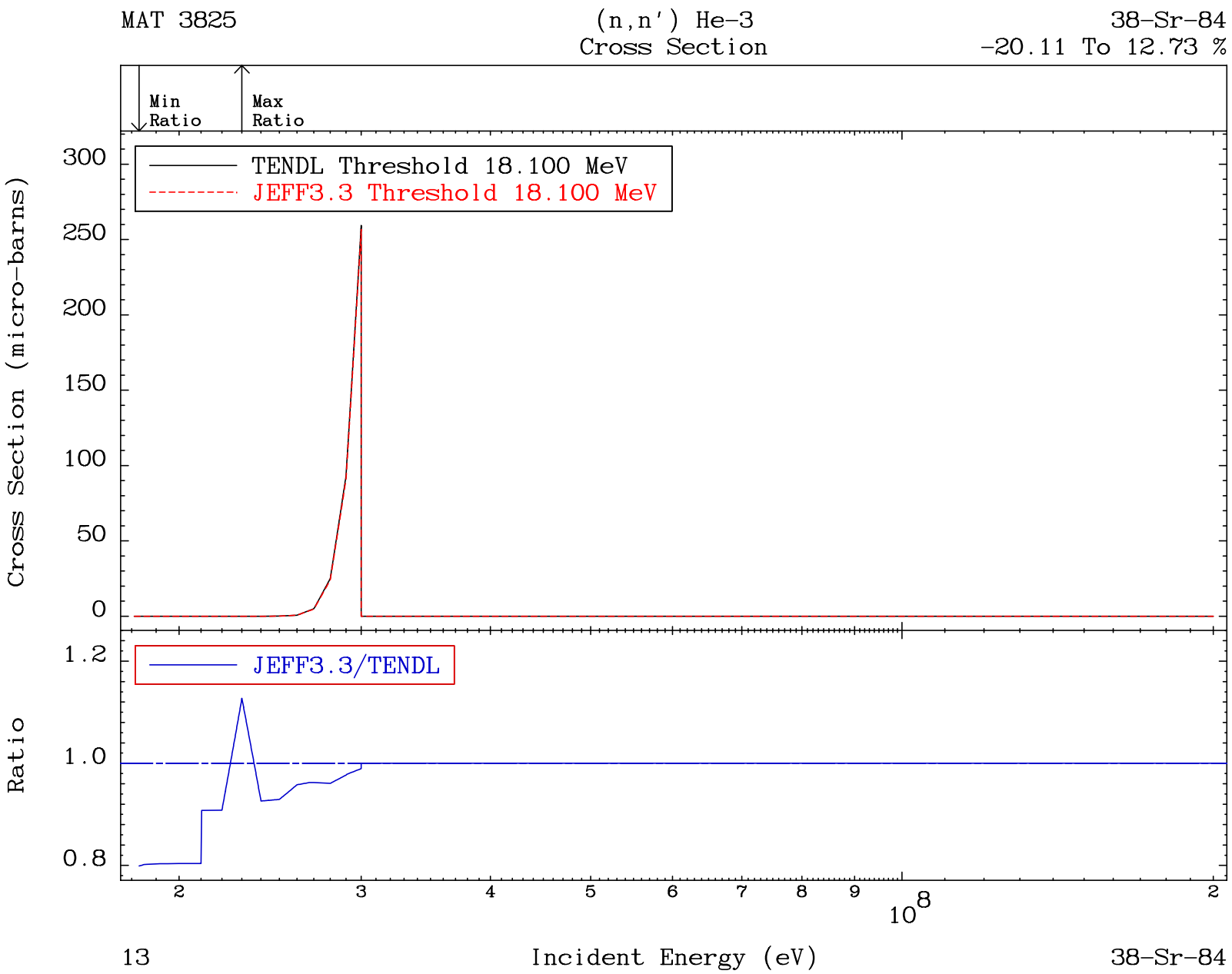

MAT 3825
(n,2n) α
Cross Section
38-Sr-84
-20.94 To 4993. %
Max Ratio
Min Ratio
TENDL Threshold 16.904 MeV
JEFF3.3 Threshold 16.904 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
8
38-Sr-84

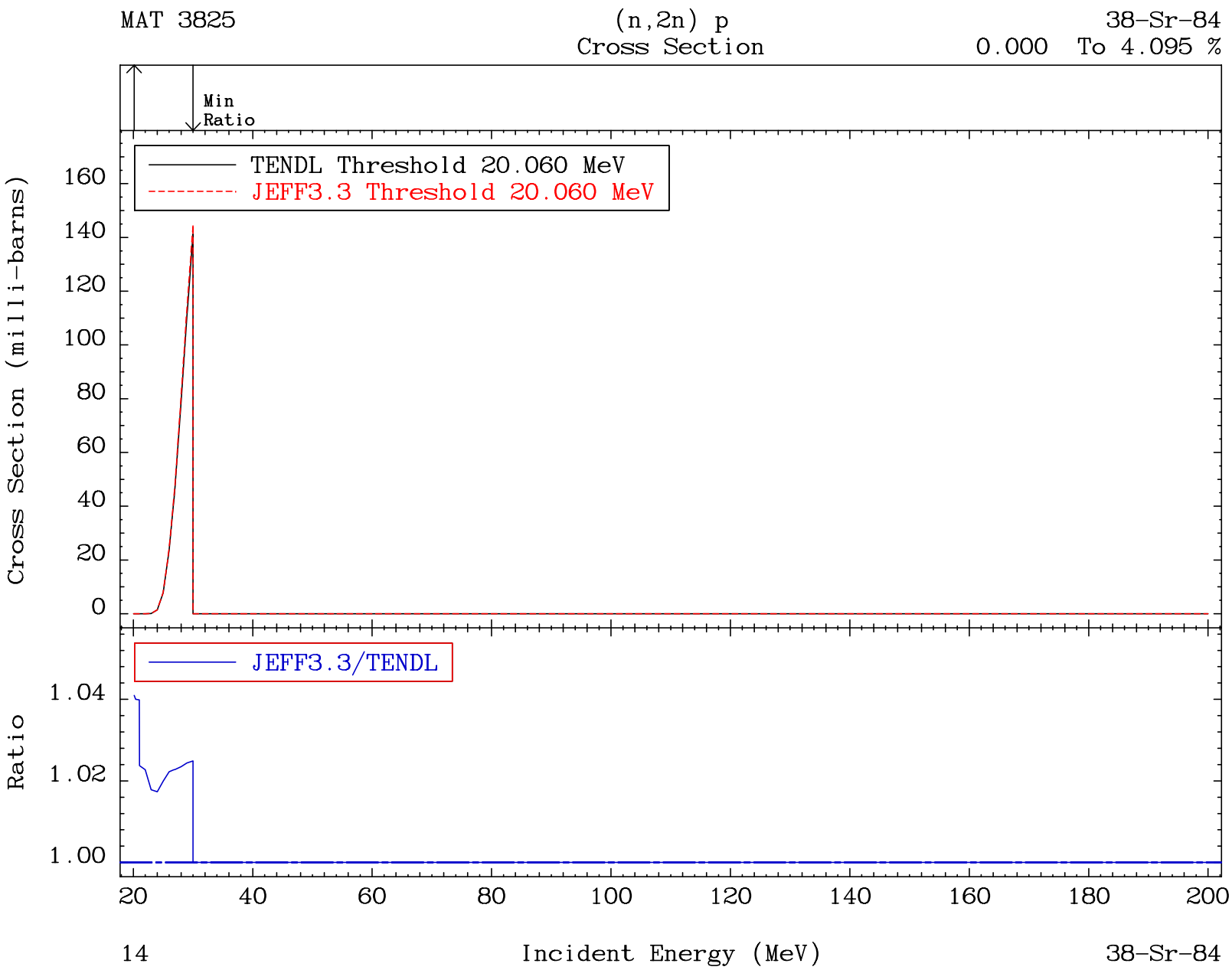

MAT 3825
(n,n') p
Cross Section
38-Sr-84
-0.918 To 1.520 %
Min Ratio
Max Ratio
TENDL Threshold 8.9745 MeV
JEFF3.3 Threshold 8.9745 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
0.99
9
10^7
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
38-Sr-84

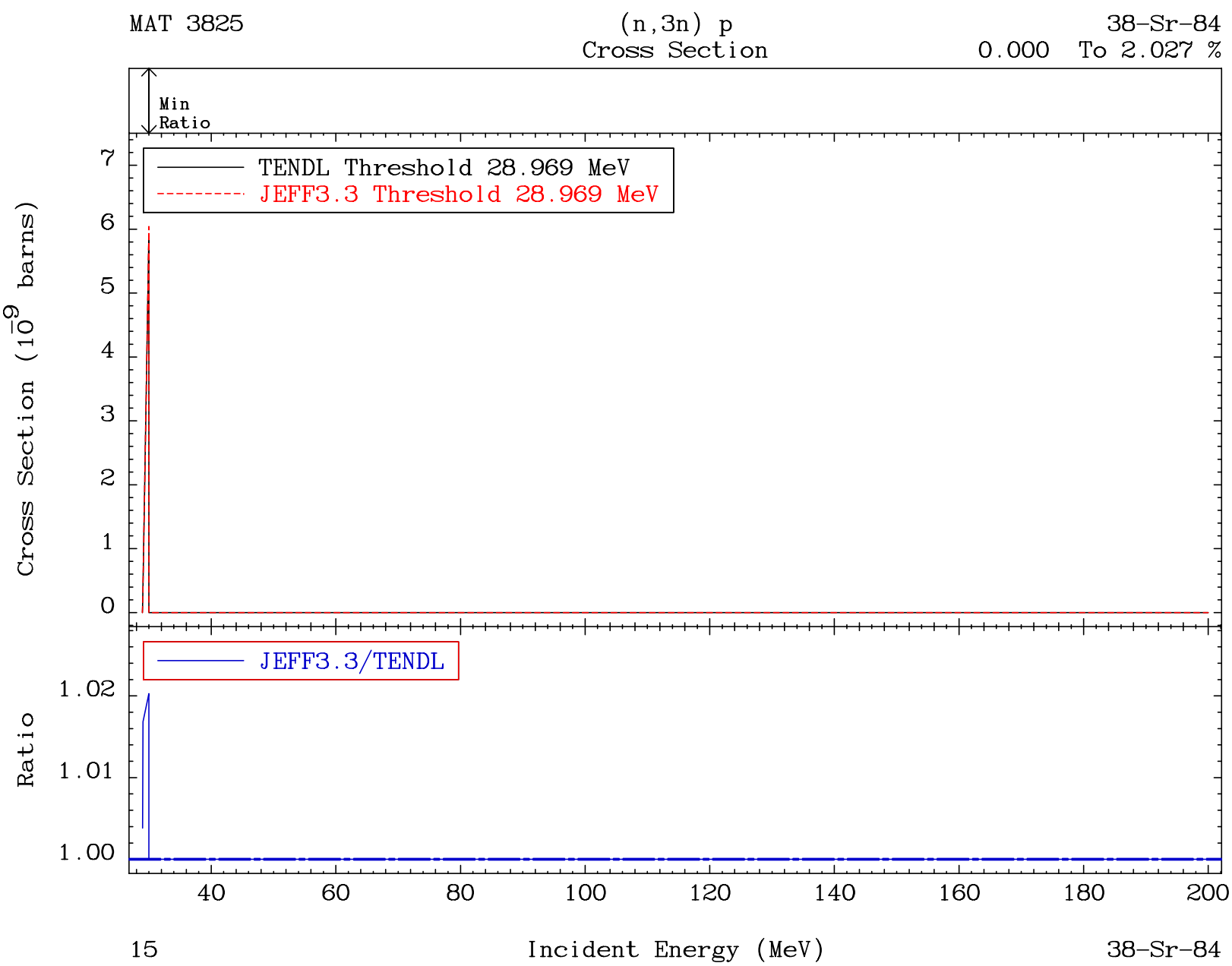

MAT 3825
(n,n') 2α
Cross Section
38-Sr-84
-91.08 To 3699. %
Min Ratio
Max Ratio
TENDL Threshold 10.371 MeV
JEFF3.3 Threshold 10.371 MeV
Cross Section (micro-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
38-Sr-84

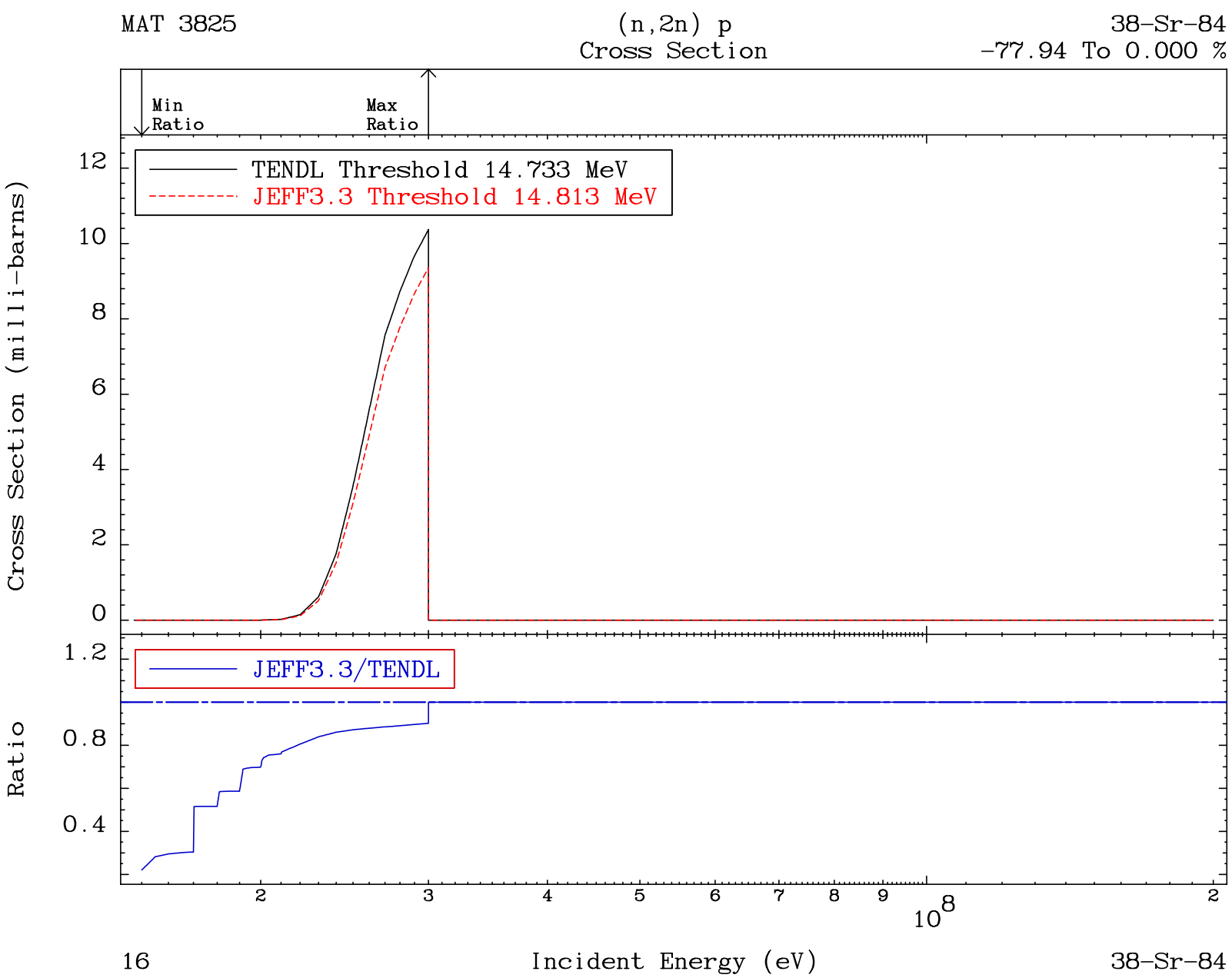

MAT 3825
(n,n') d
Cross Section
38-Sr-84
0.000 To 3.201 %
Max Ratio
Min Ratio
TENDL Threshold 17.809 MeV
JEFF3.3 Threshold 17.809 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
38-Sr-84

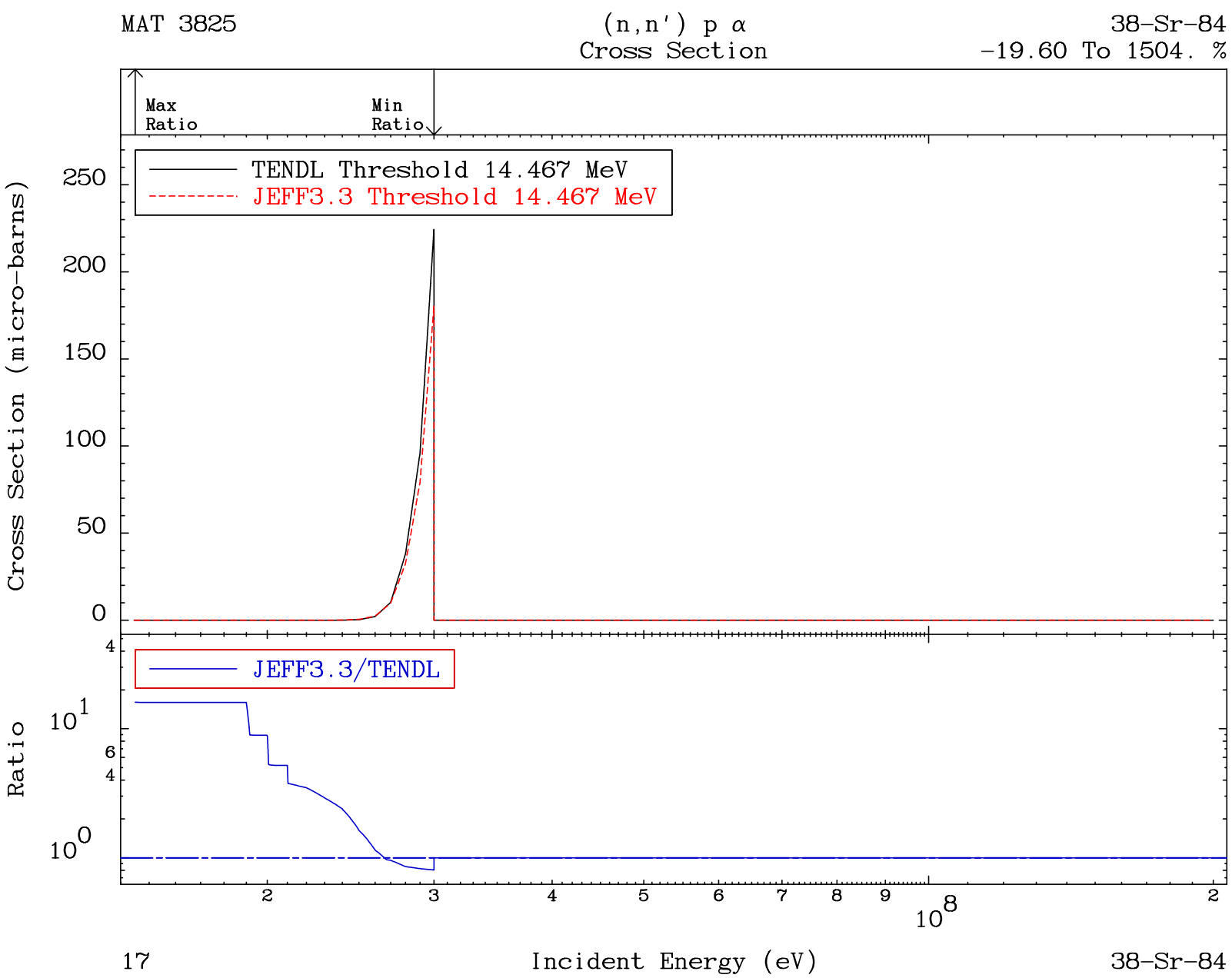

MAT 3825
(n,n') t
Cross Section
38-Sr-84
-0.905 To 0.327 %
Max
Ratio
TENDL Threshold 20.385 MeV
JEFF3.3 Threshold 20.385 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
12
Incident Energy (MeV)
38-Sr-84

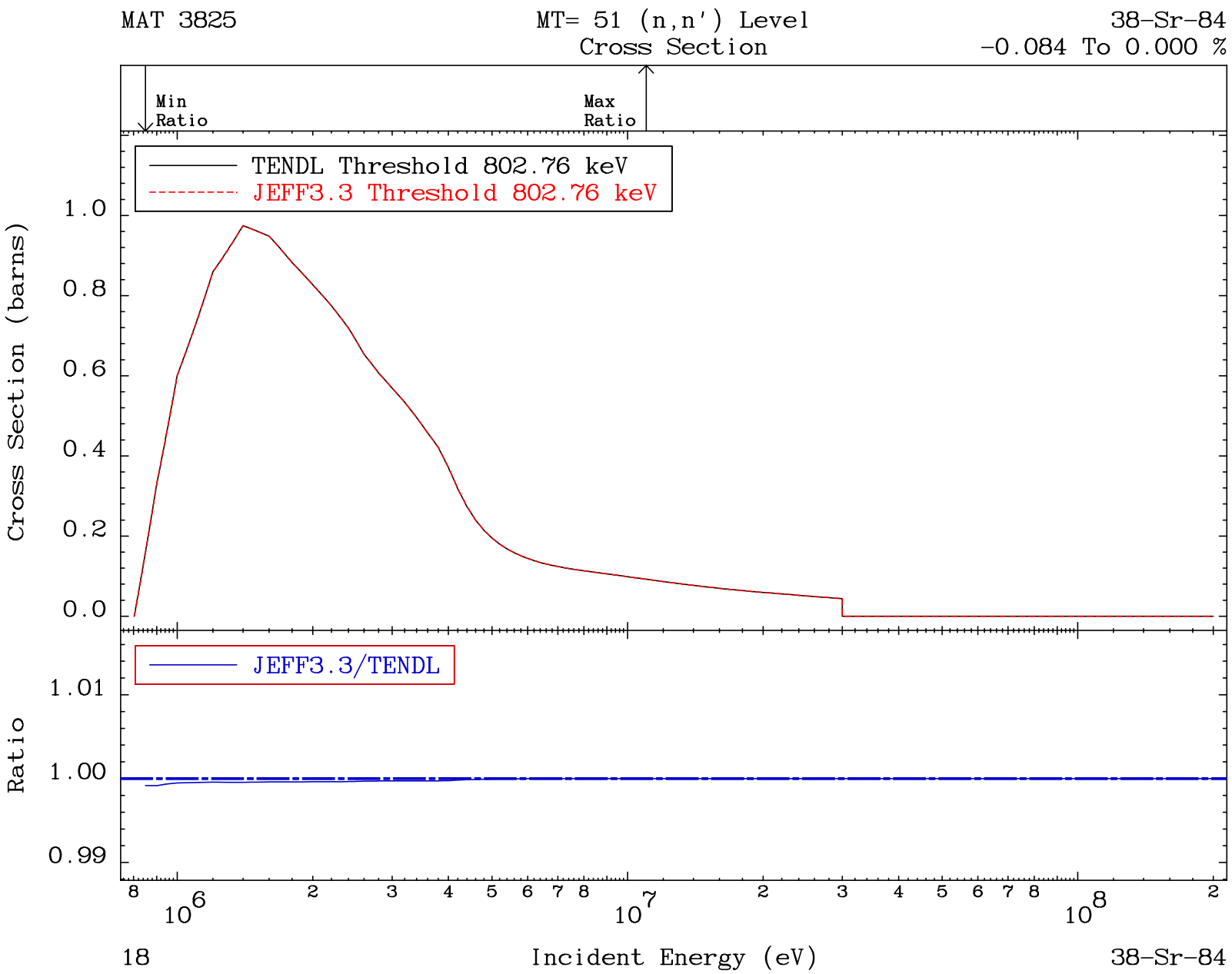

MAT 3825
(n,n') He-3
Cross Section
38-Sr-84
-20.11 To 12.73 %
Min Ratio
Max Ratio
TENDL Threshold 18.100 MeV
JEFF3.3 Threshold 18.100 MeV
Cross Section (micro-barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.2
1.0
0.8
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
38-Sr-84

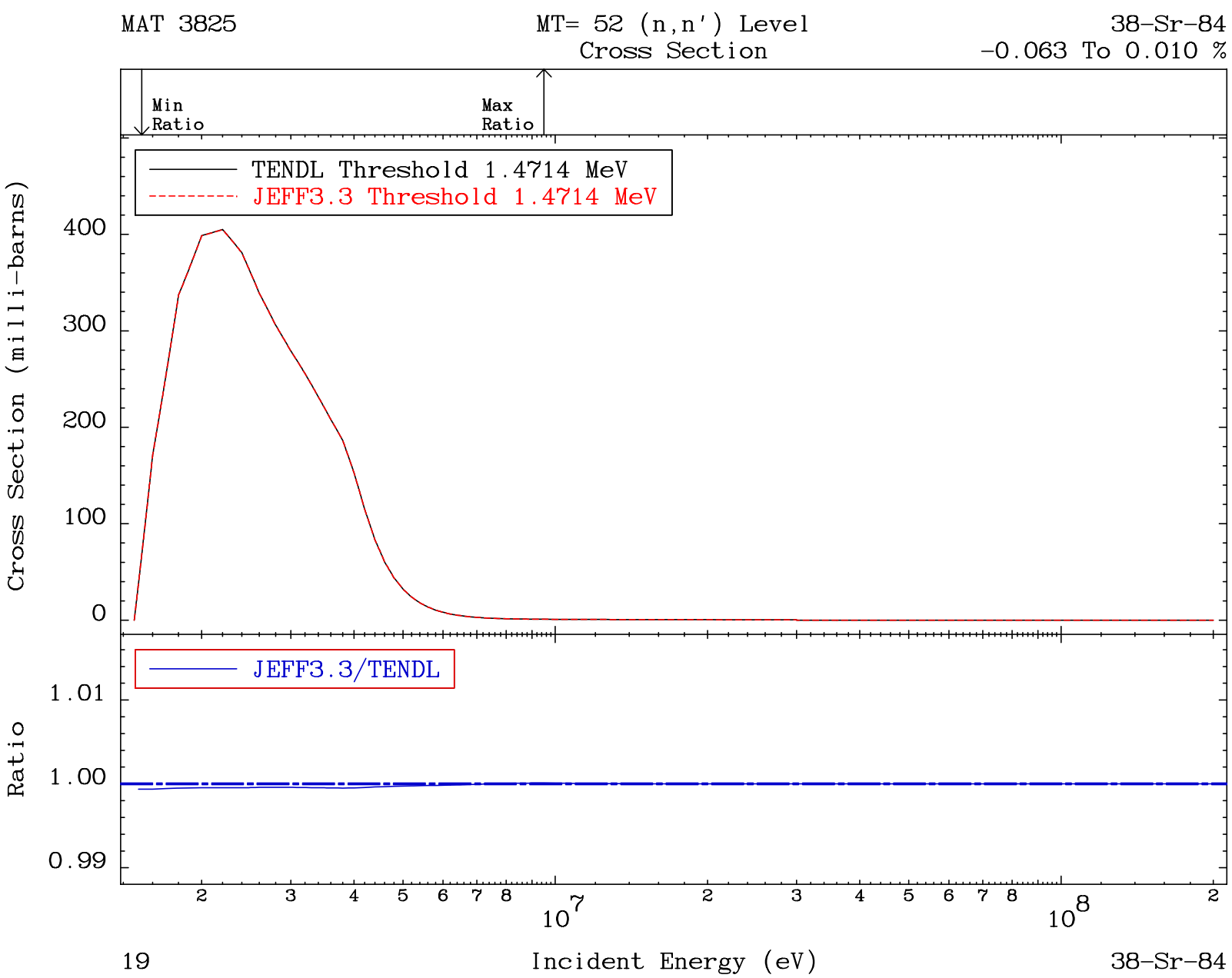

MAT 3825
(n,2n) p
Cross Section
38-Sr-84
0.000 To 4.095 %
Min
Ratio
TENDL Threshold 20.060 MeV
JEFF3.3 Threshold 20.060 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
20
40
60
80
100
120
140
160
180
200
14
Incident Energy (MeV)
38-Sr-84

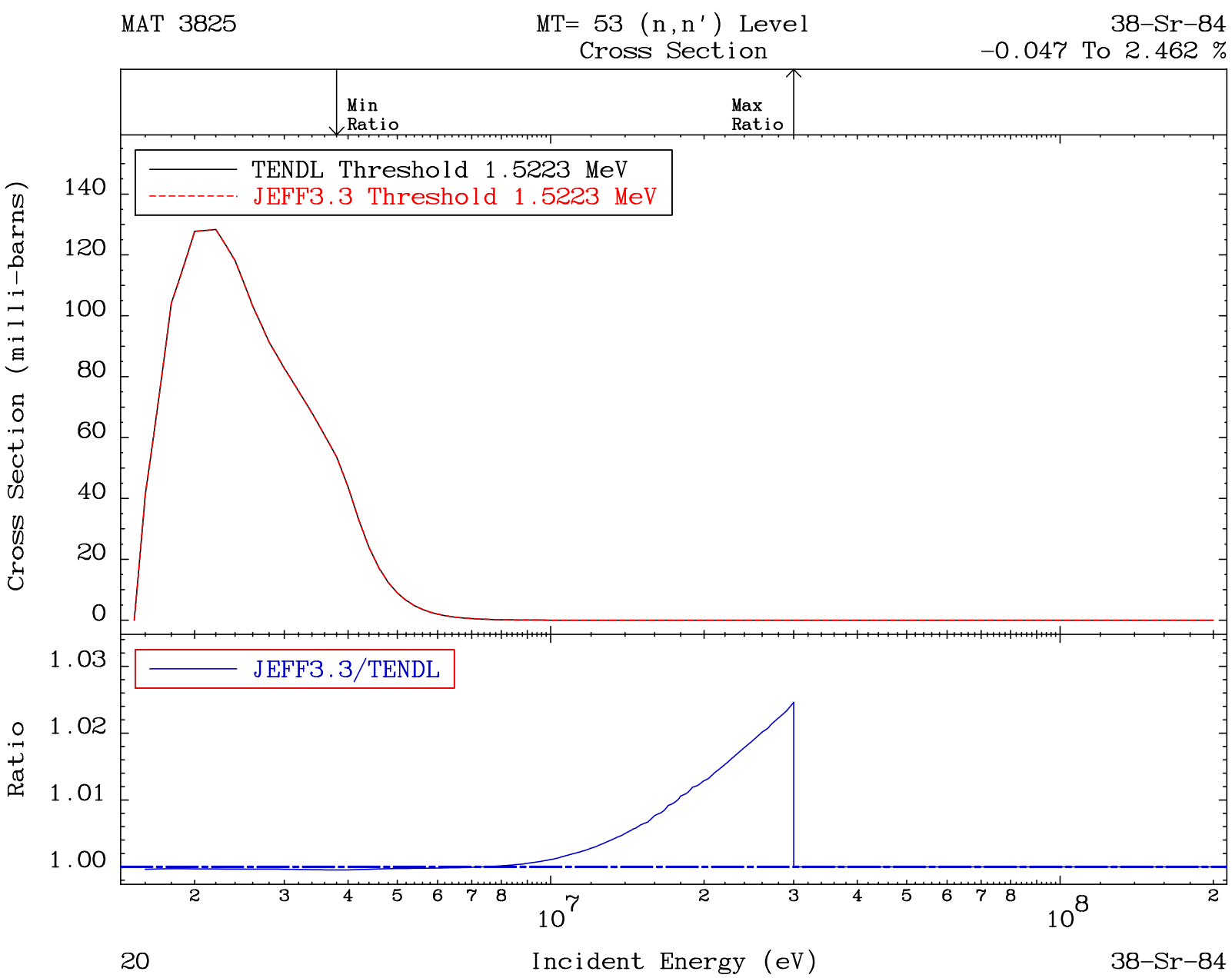

MAT 3825
(n,3n) p
Cross Section
38-Sr-84
0.000 To 2.027 %
Min
Ratio
TENDL Threshold 28.969 MeV
JEFF3.3 Threshold 28.969 MeV
Cross Section (10^-9 barns)
0
1
2
3
4
5
6
7
JEFF3.3/TENDL
Ratio
1.00
1.01
1.02
40
60
80
100
120
140
160
180
200
15
Incident Energy (MeV)
38-Sr-84

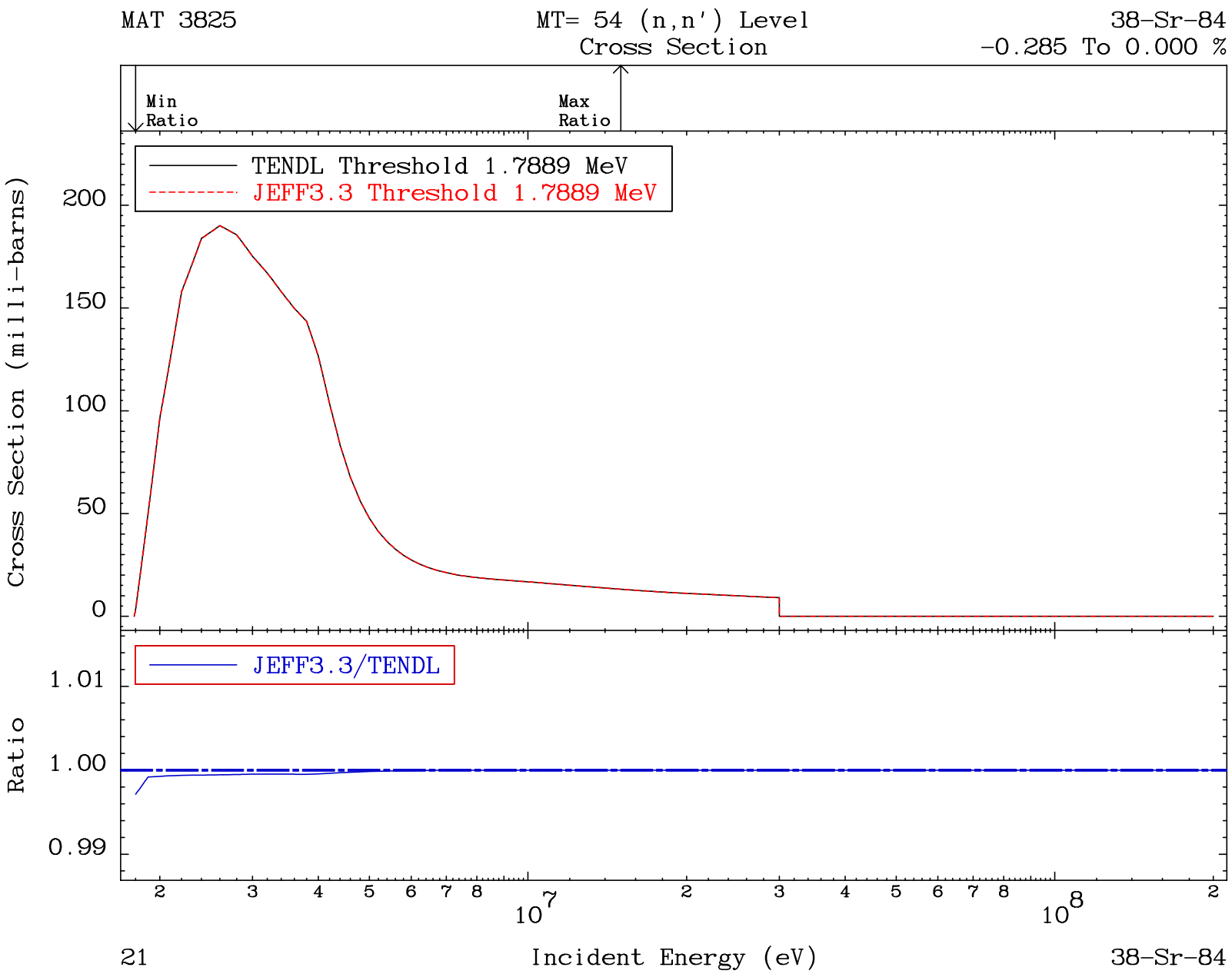

MAT 3825
(n,2n) p
Cross Section
38-Sr-84
-77.94 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 14.733 MeV
JEFF3.3 Threshold 14.813 MeV
Cross Section (milli-barns)
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
38-Sr-84

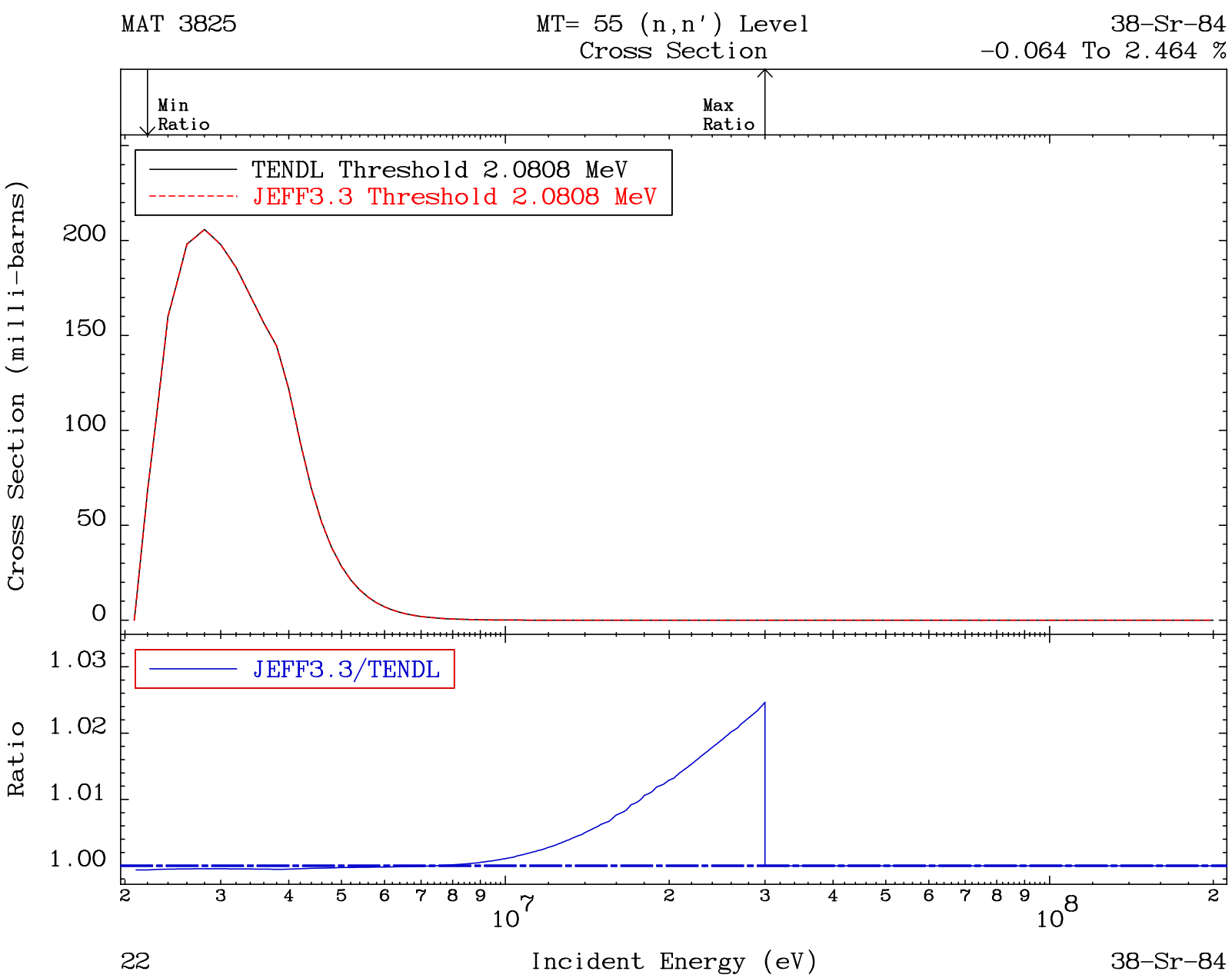

MAT 3825
(n,n') p α
Cross Section
38-Sr-84
-19.60 To 1504. %
Max Ratio
Min Ratio
TENDL Threshold 14.467 MeV
JEFF3.3 Threshold 14.467 MeV
Cross Section (micro-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^1
6
4
10^0
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
38-Sr-84

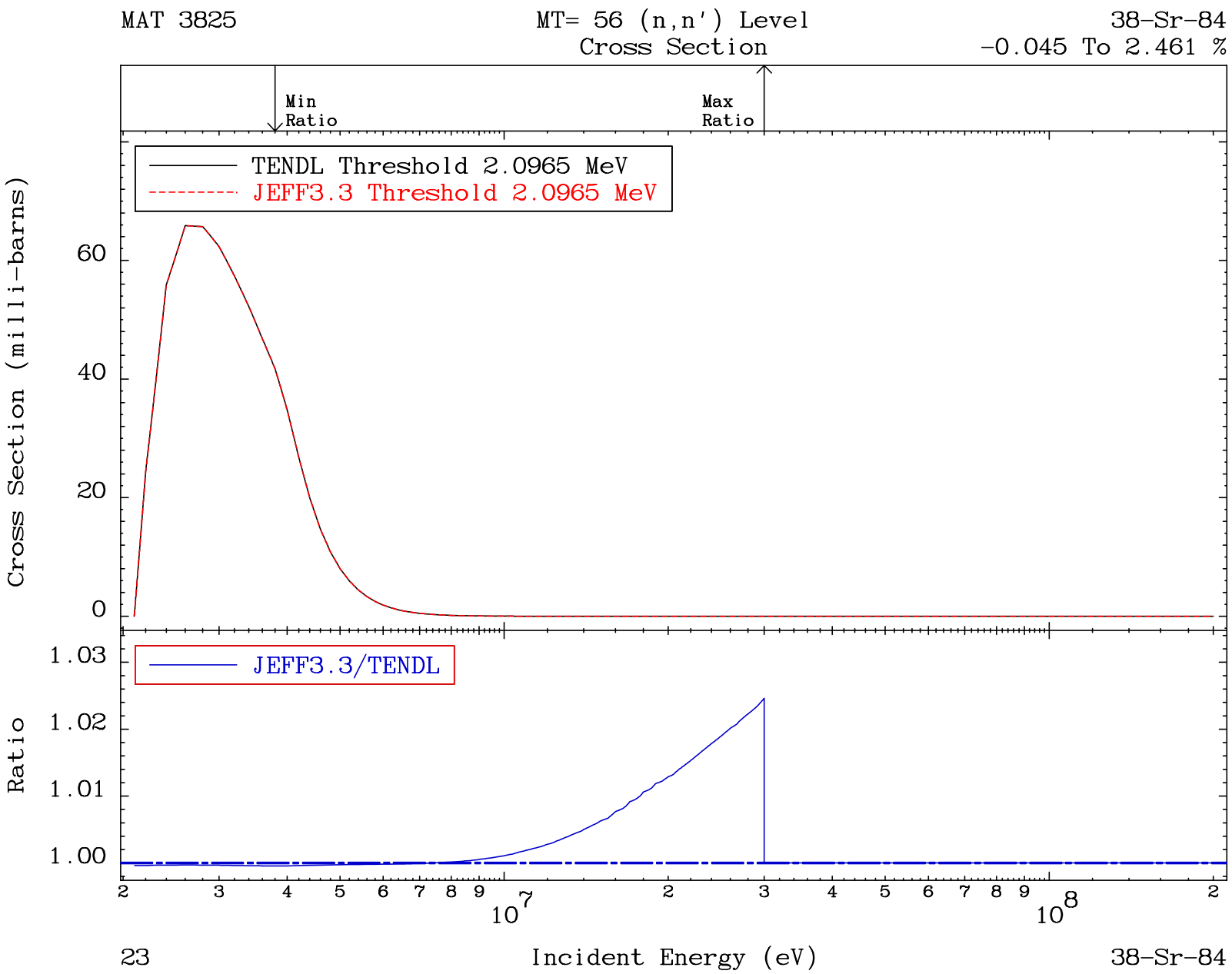

MAT 3825
MT= 51 (n,n') Level
Cross Section
38-Sr-84
-0.084 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 802.76 keV
JEFF3.3 Threshold 802.76 keV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
10^6
10^7
10^8
Incident Energy (eV)
18
38-Sr-84

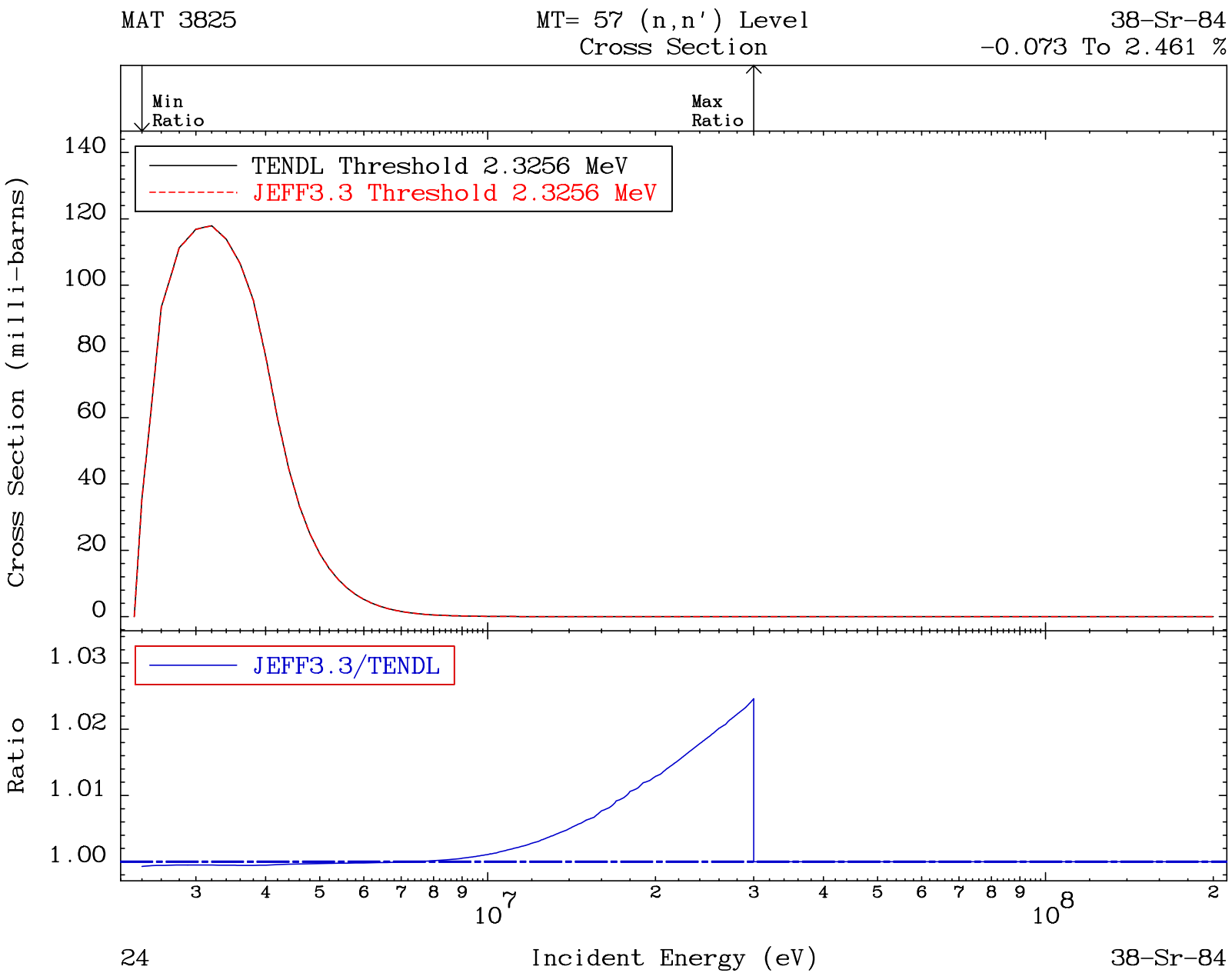

MAT 3825
MT= 52 (n,n') Level
Cross Section
38-Sr-84
-0.063 To 0.010 %
Min Ratio
Max Ratio
TENDL Threshold 1.4714 MeV
JEFF3.3 Threshold 1.4714 MeV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
38-Sr-84

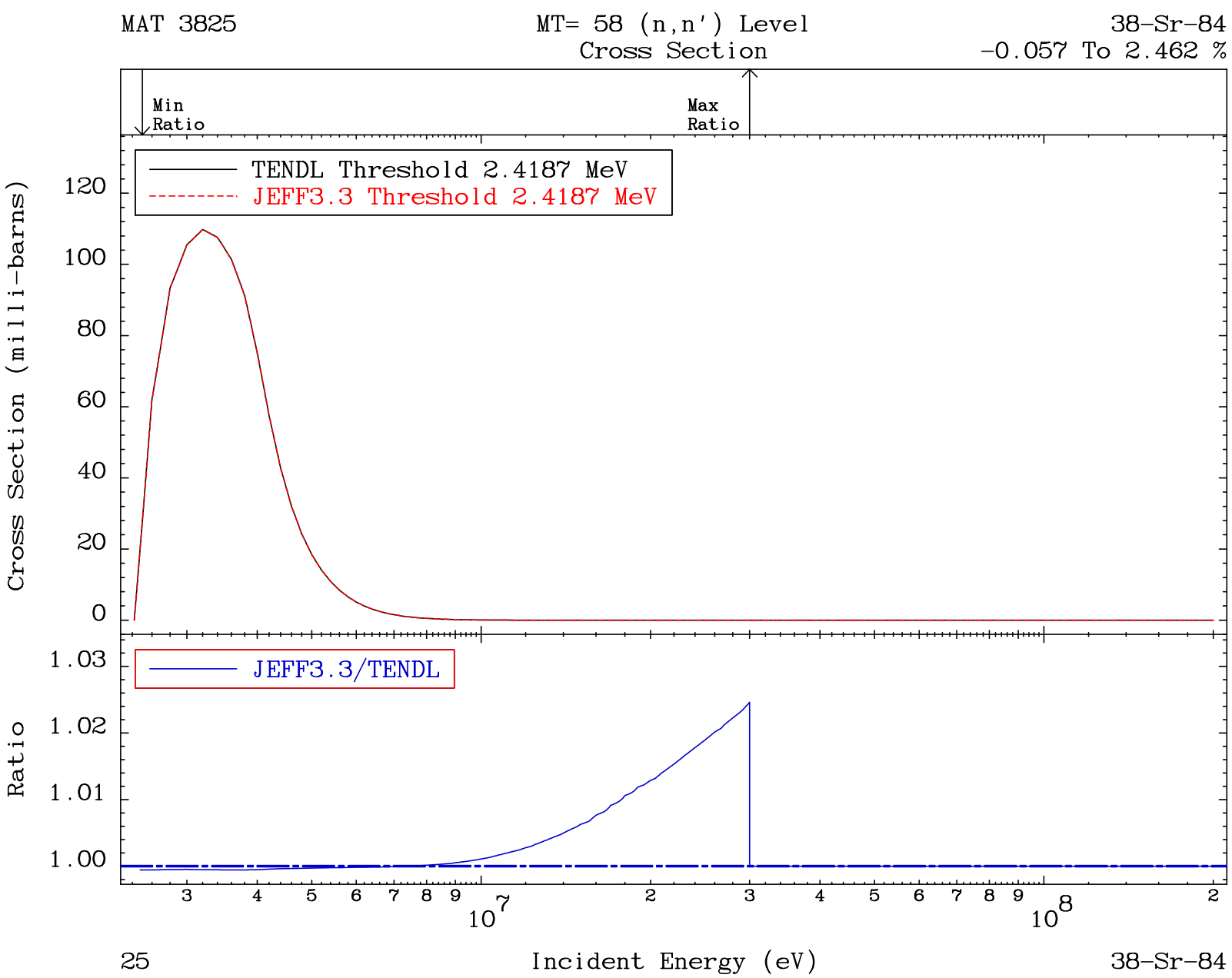

MAT 3825
MT= 53 (n,n') Level
Cross Section
38-Sr-84
-0.047 To 2.462 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.5223 MeV
JEFF3.3 Threshold 1.5223 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.03
1.02
1.01
1.00
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
20
Incident Energy (eV)
38-Sr-84

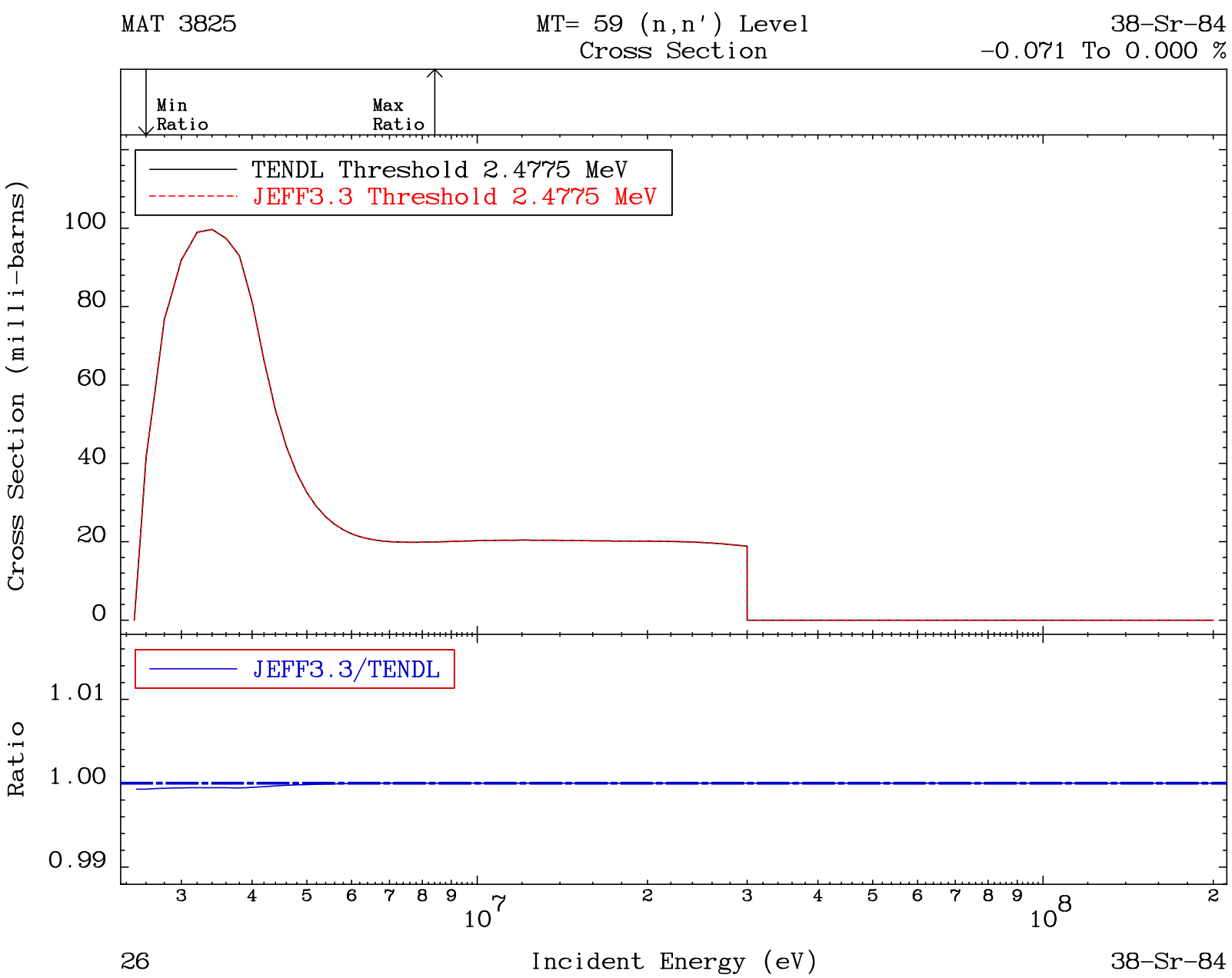

MAT 3825
MT= 54 (n,n') Level
Cross Section
38-Sr-84
-0.285 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.7889 MeV
JEFF3.3 Threshold 1.7889 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
21
Incident Energy (eV)
38-Sr-84

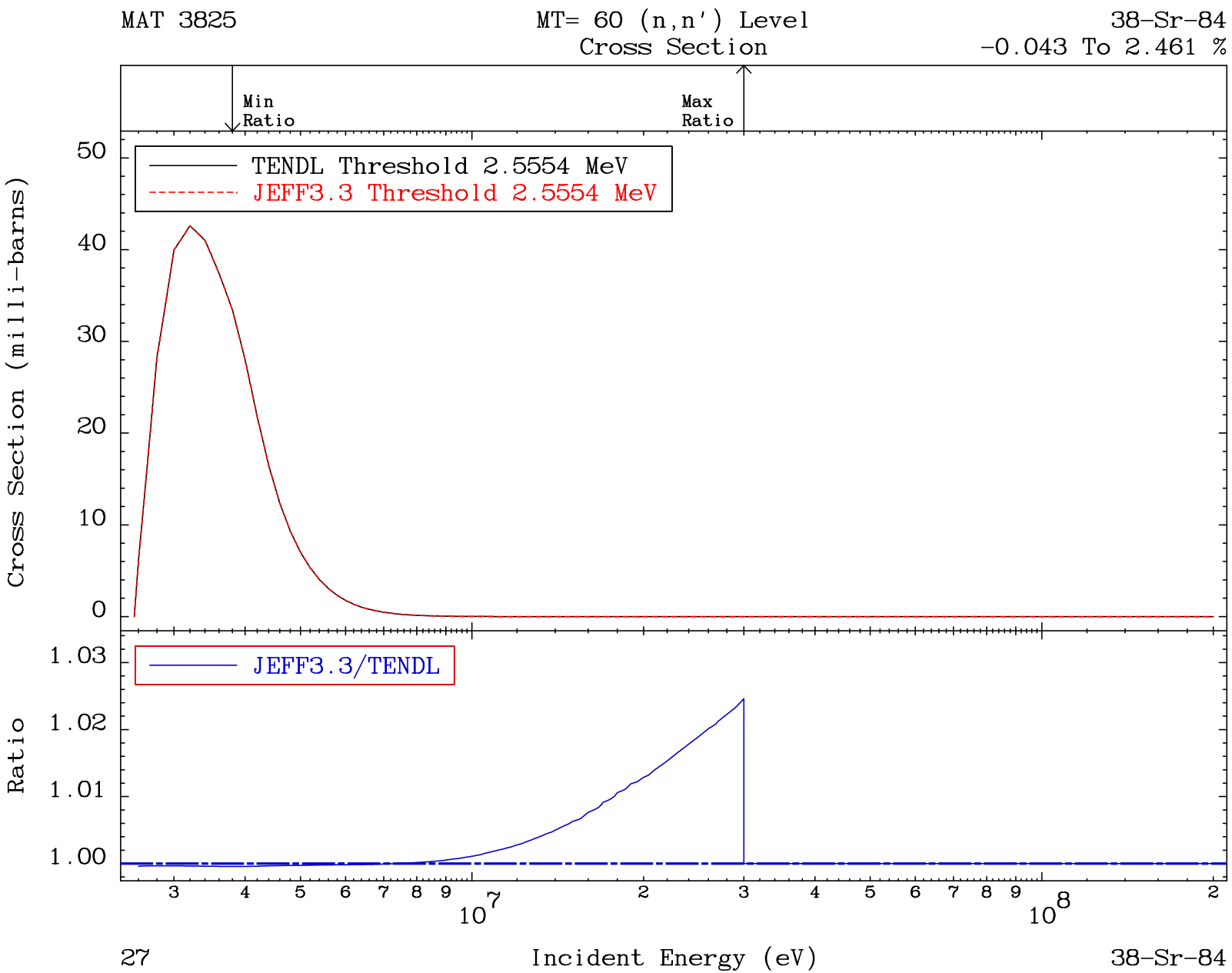

MAT 3825
MT= 55 (n,n') Level
Cross Section
38-Sr-84
-0.064 To 2.464 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.0808 MeV
JEFF3.3 Threshold 2.0808 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.03
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
22
Incident Energy (eV)
38-Sr-84

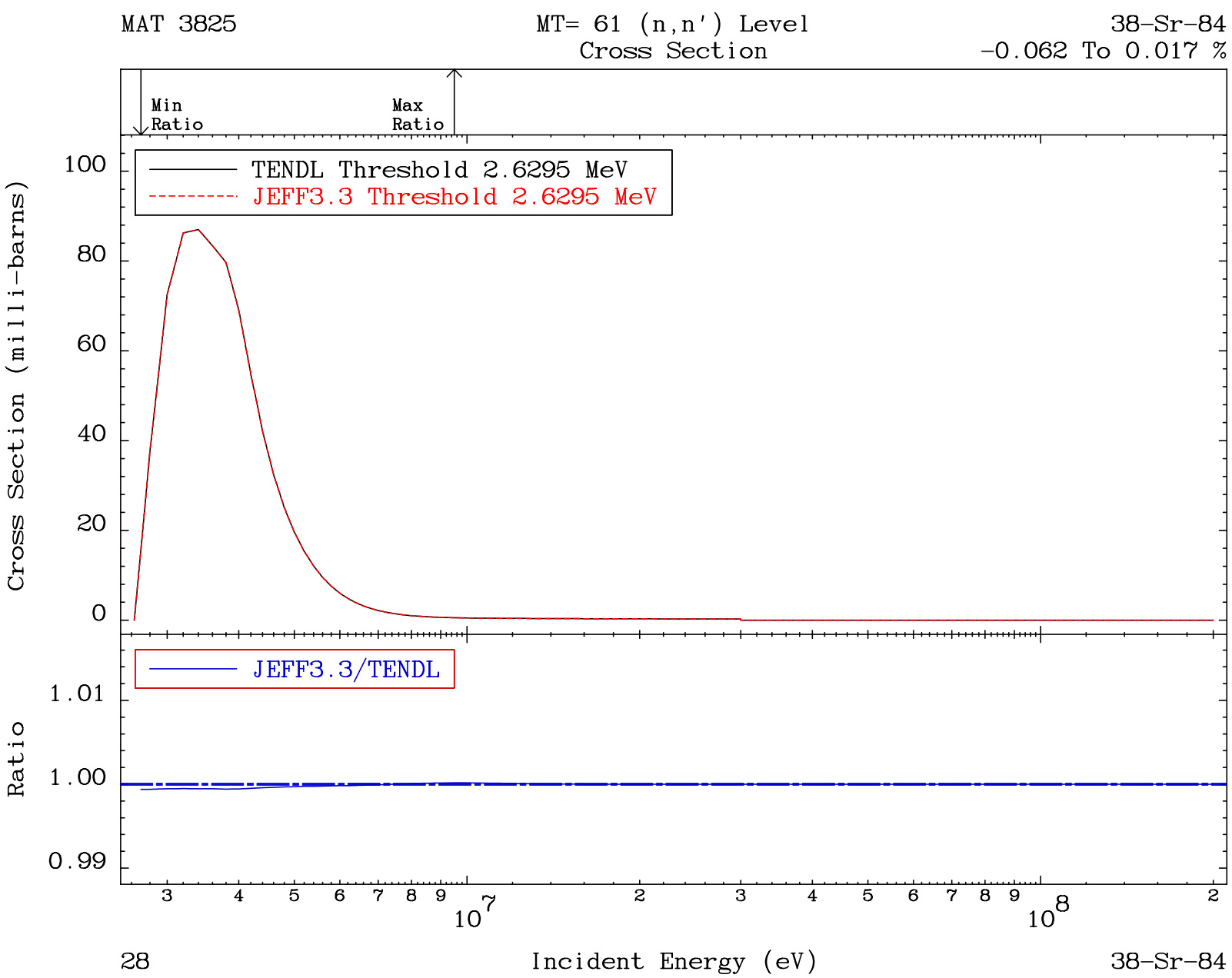

MAT 3825
MT= 56 (n,n') Level
Cross Section
38-Sr-84
-0.045 To 2.461 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.0965 MeV
JEFF3.3 Threshold 2.0965 MeV
Cross Section (milli-barns)
60
40
20
0
JEFF3.3/TENDL
Ratio
1.03
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
23
Incident Energy (eV)
38-Sr-84

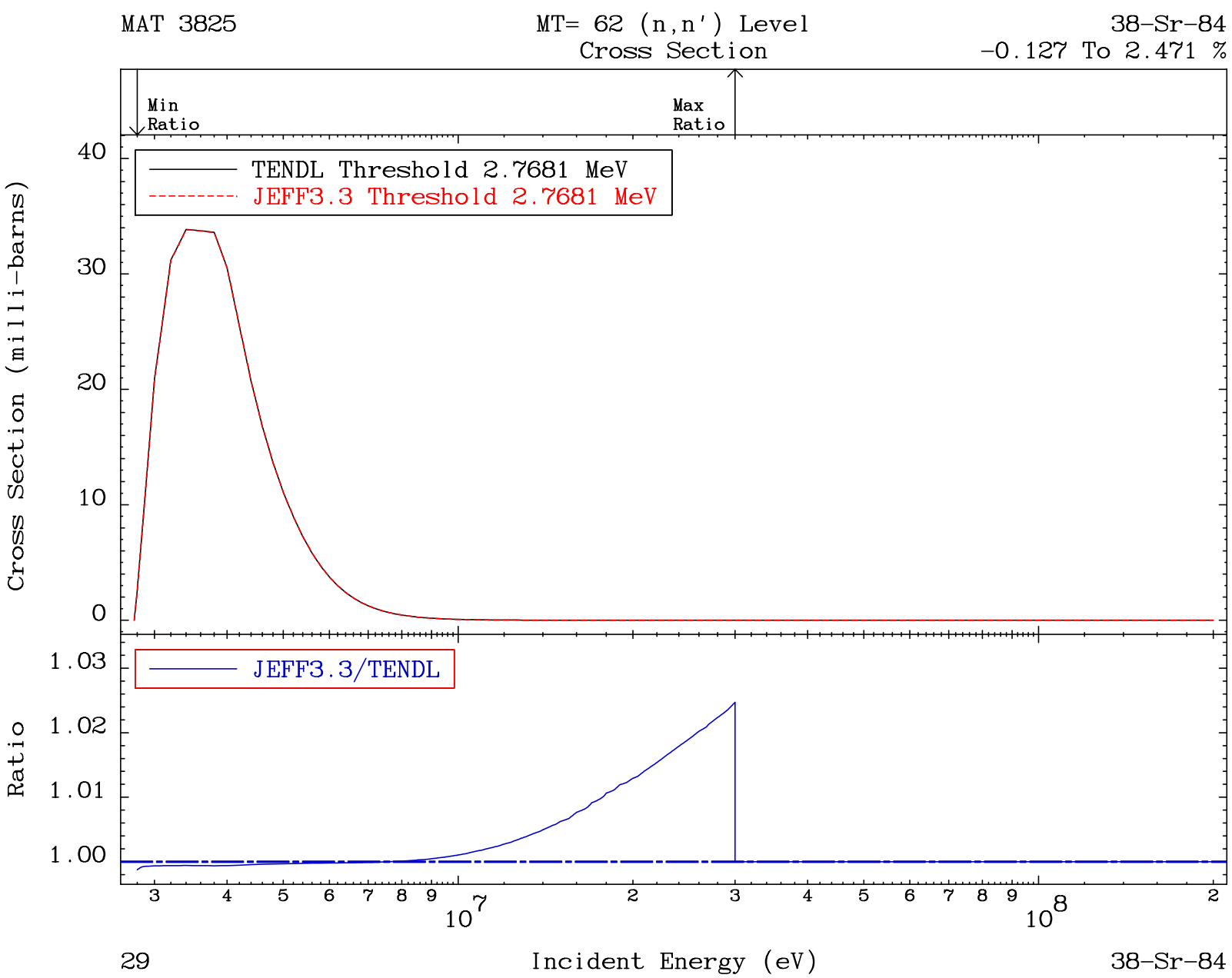

MAT 3825
MT= 57 (n,n') Level
Cross Section
38-Sr-84
-0.073 To 2.461 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.3256 MeV
JEFF3.3 Threshold 2.3256 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.03
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
24
Incident Energy (eV)
38-Sr-84

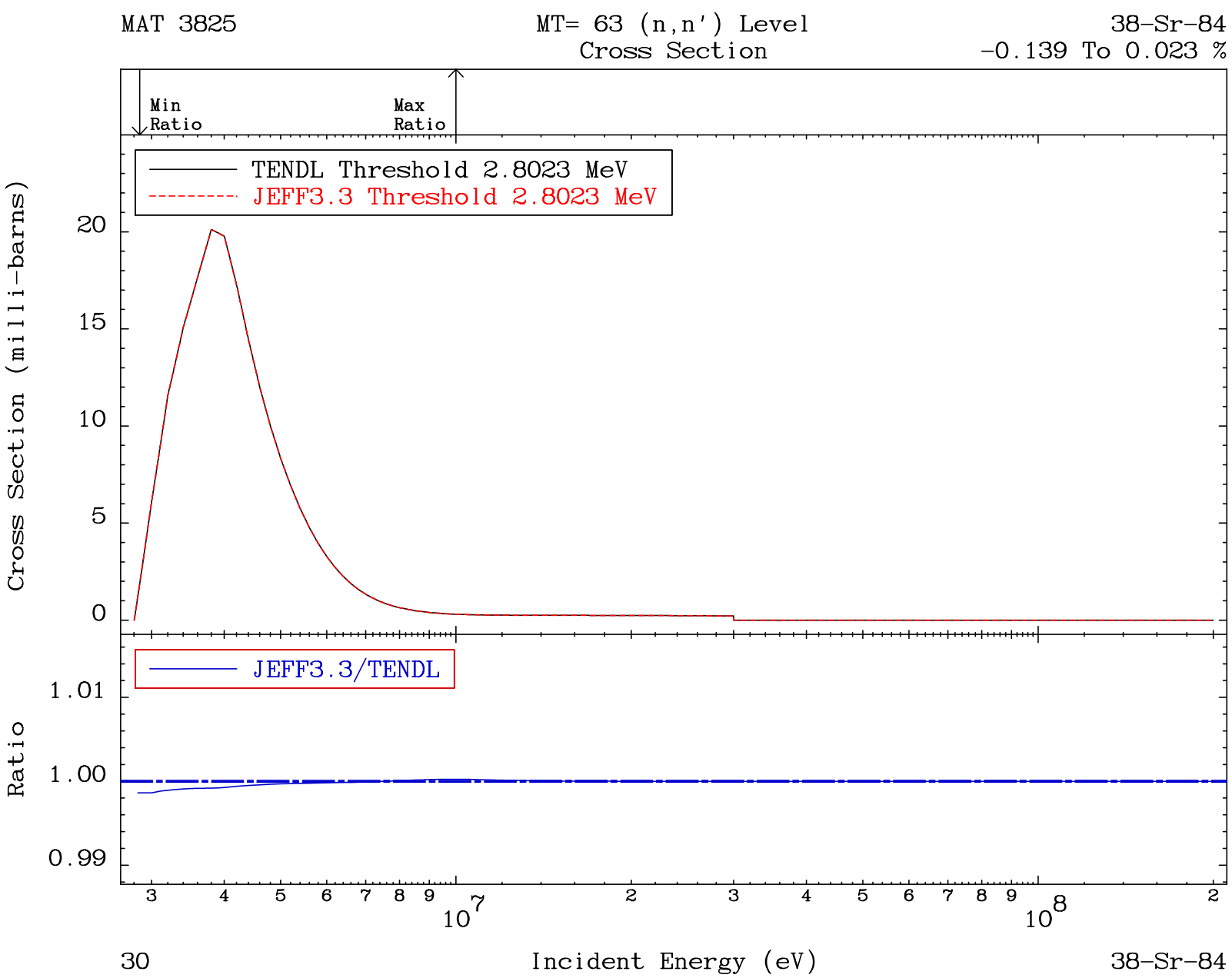

MAT 3825
MT= 58 (n,n') Level
Cross Section
38-Sr-84
-0.057 To 2.462 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.4187 MeV
JEFF3.3 Threshold 2.4187 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.03
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
25
Incident Energy (eV)
38-Sr-84

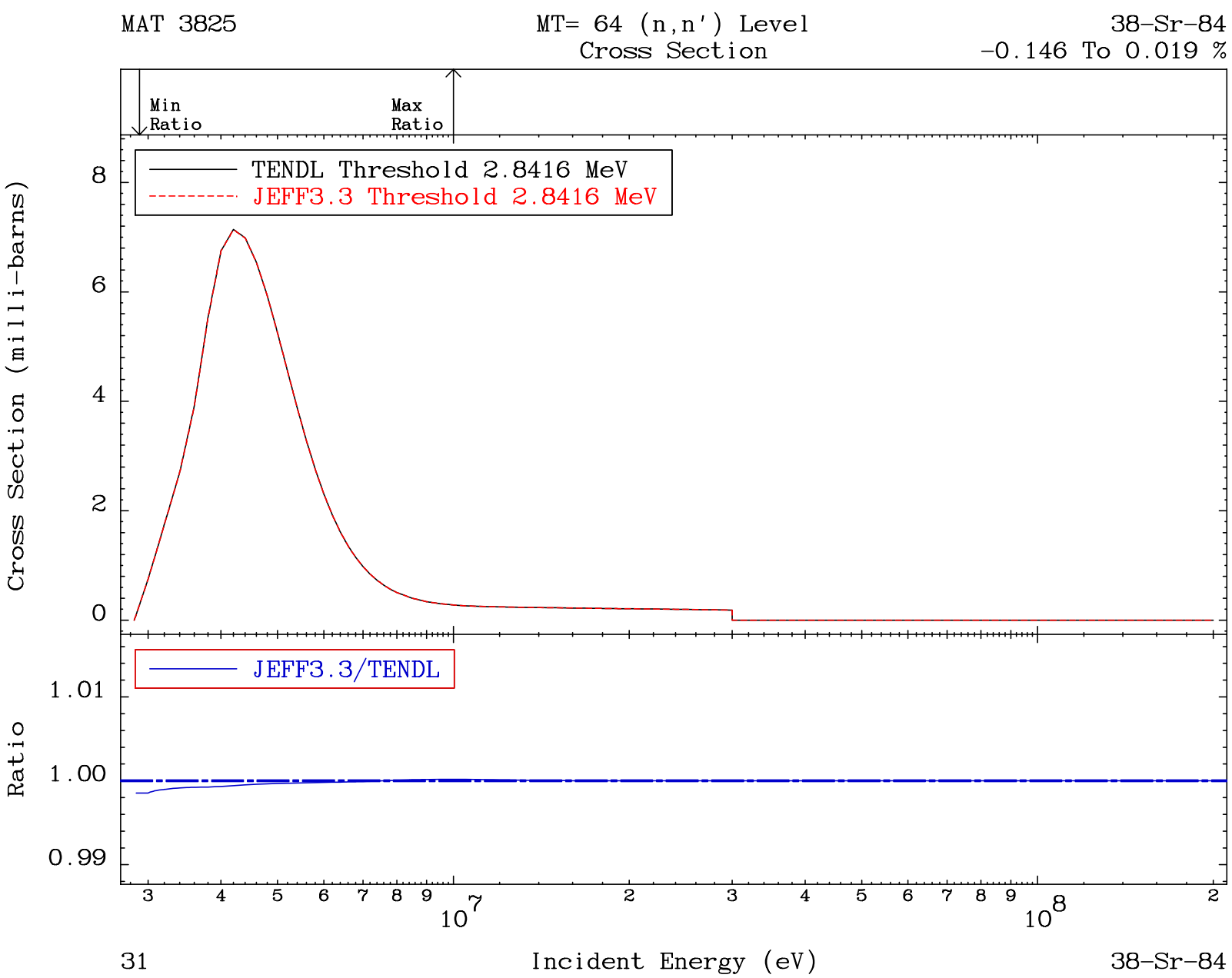

MAT 3825
MT= 59 (n,n') Level
Cross Section
38-Sr-84
-0.071 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.4775 MeV
JEFF3.3 Threshold 2.4775 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
26
Incident Energy (eV)
38-Sr-84

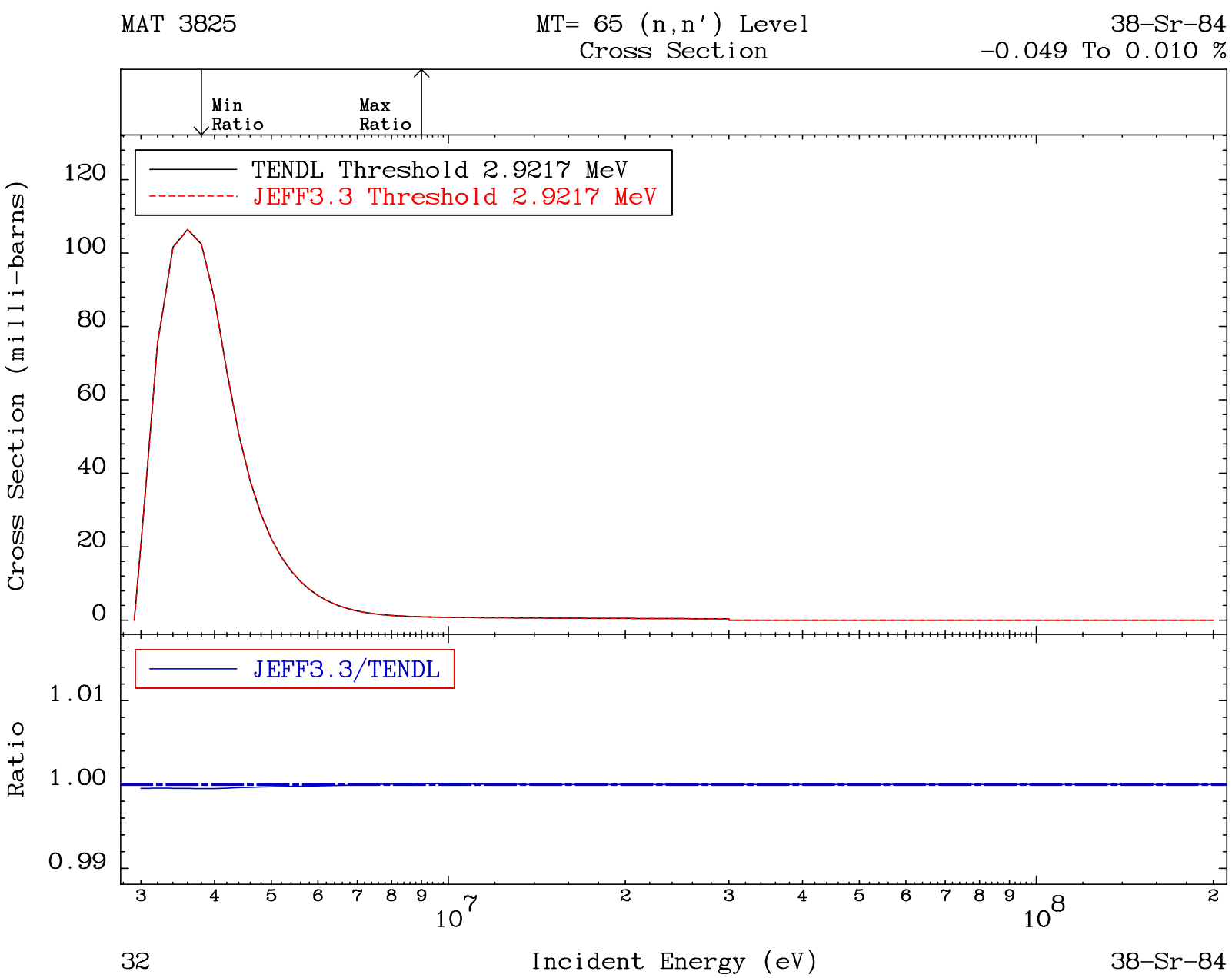

MAT 3825
MT= 60 (n,n') Level
Cross Section
38-Sr-84
-0.043 To 2.461 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.5554 MeV
JEFF3.3 Threshold 2.5554 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.03
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
27
Incident Energy (eV)
38-Sr-84

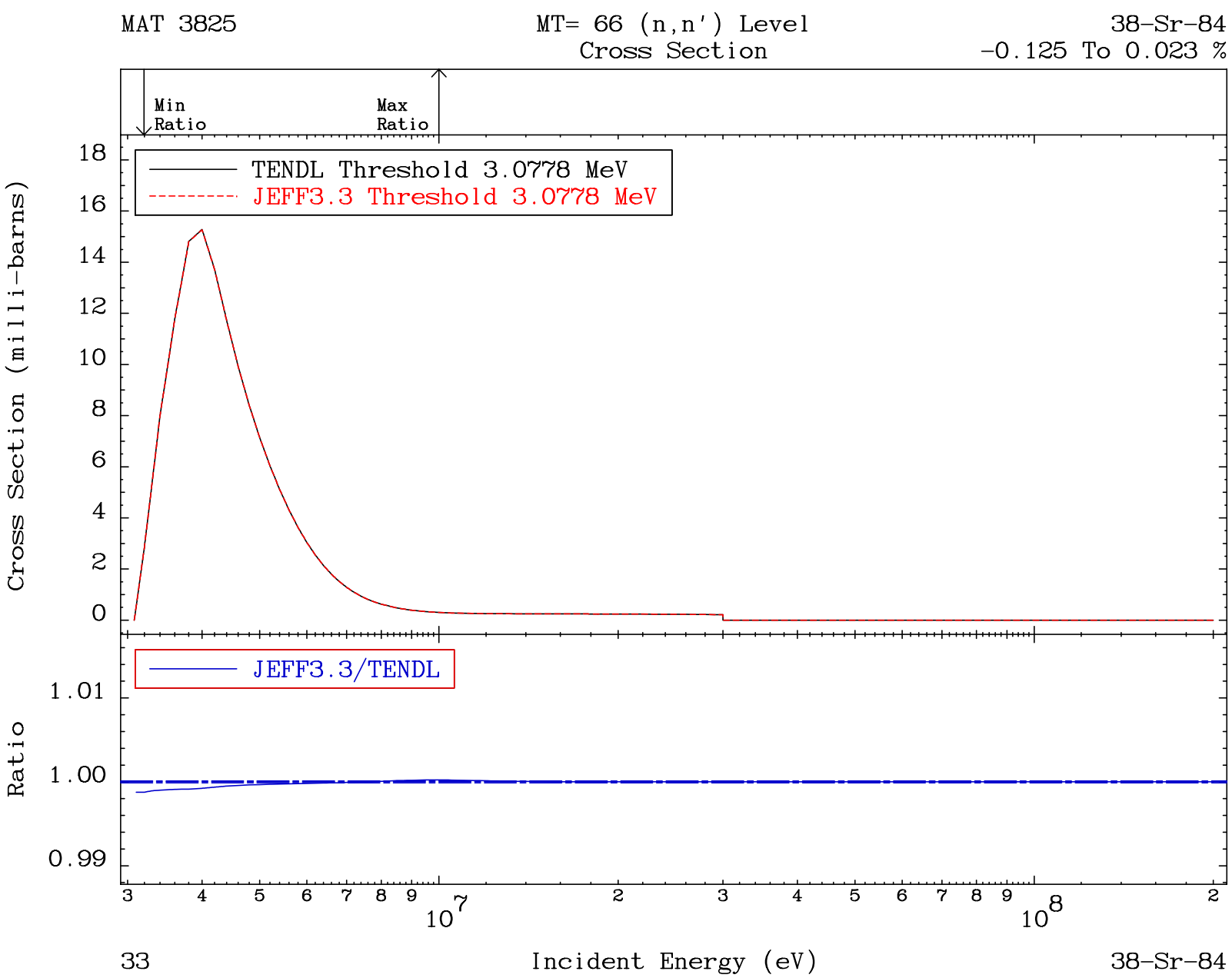

MAT 3825
MT= 61 (n,n') Level
Cross Section
38-Sr-84
-0.062 To 0.017 %
Min Ratio
Max Ratio
TENDL Threshold 2.6295 MeV
JEFF3.3 Threshold 2.6295 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
28
Incident Energy (eV)
38-Sr-84

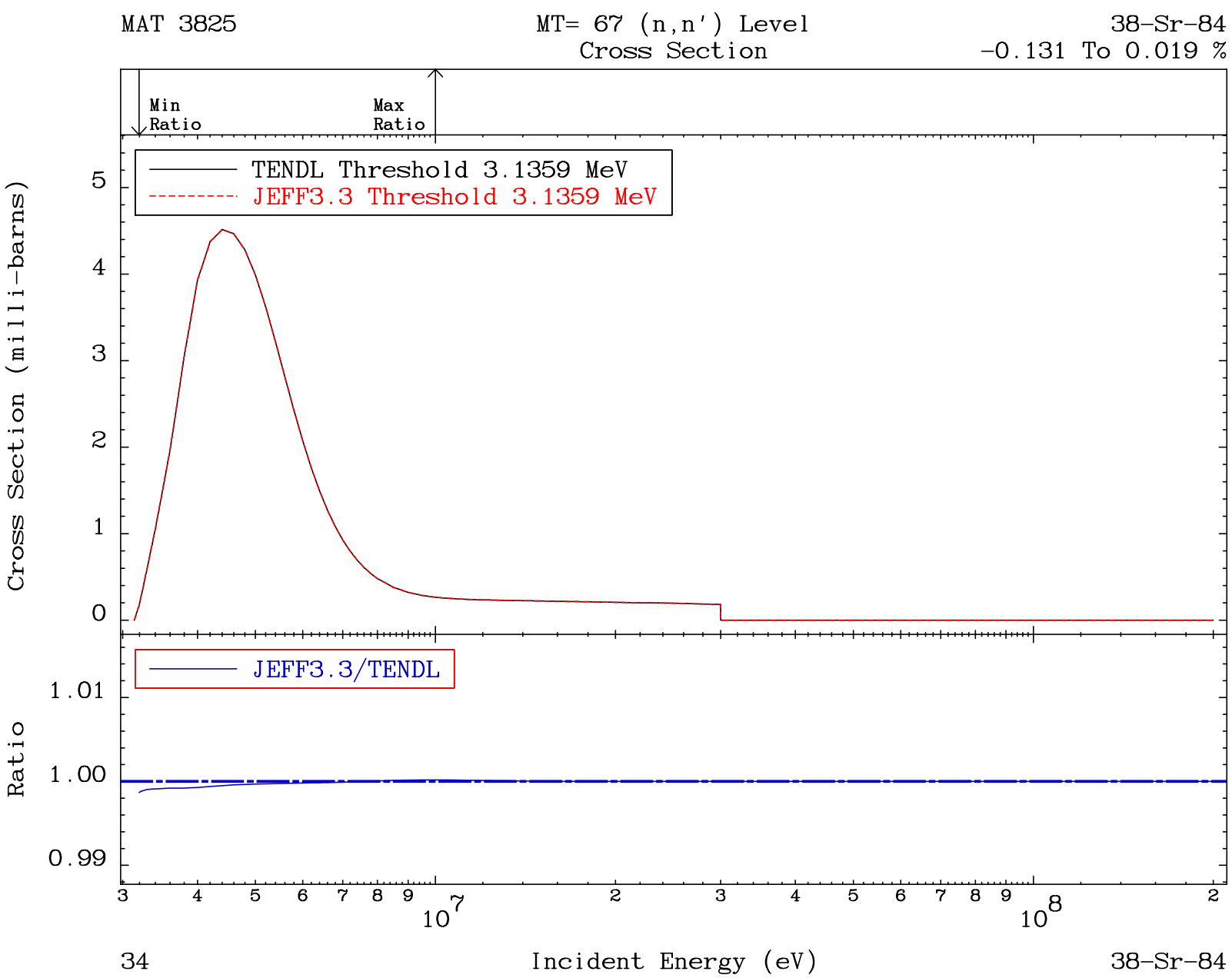

MAT 3825
MT= 62 (n,n') Level
Cross Section
38-Sr-84
-0.127 To 2.471 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.7681 MeV
JEFF3.3 Threshold 2.7681 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.03
1.02
1.01
1.00
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
29
Incident Energy (eV)
38-Sr-84

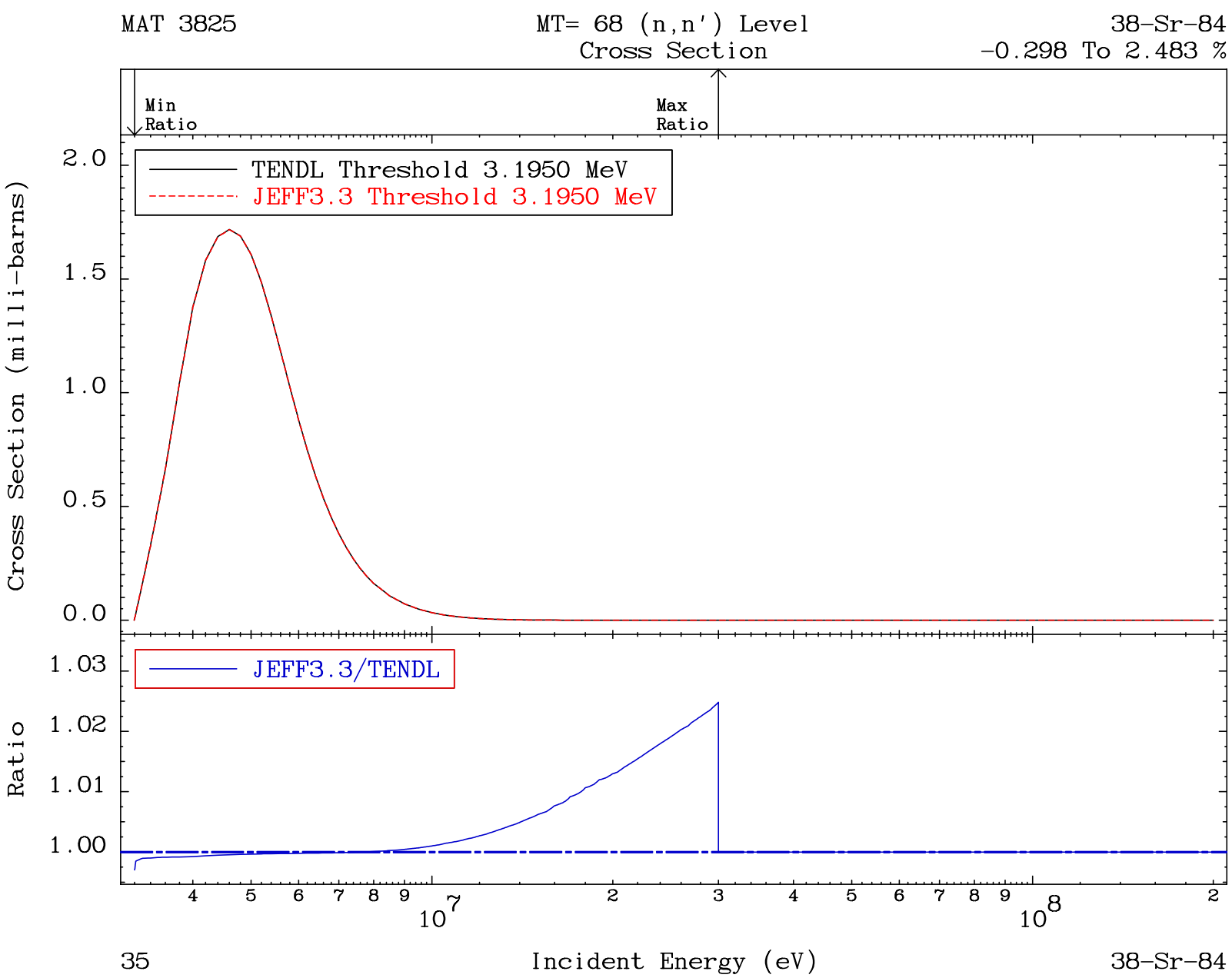

MAT 3825
MT= 63 (n,n') Level
Cross Section
38-Sr-84
-0.139 To 0.023 %
Min Ratio
Max Ratio
TENDL Threshold 2.8023 MeV
JEFF3.3 Threshold 2.8023 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
30
Incident Energy (eV)
38-Sr-84

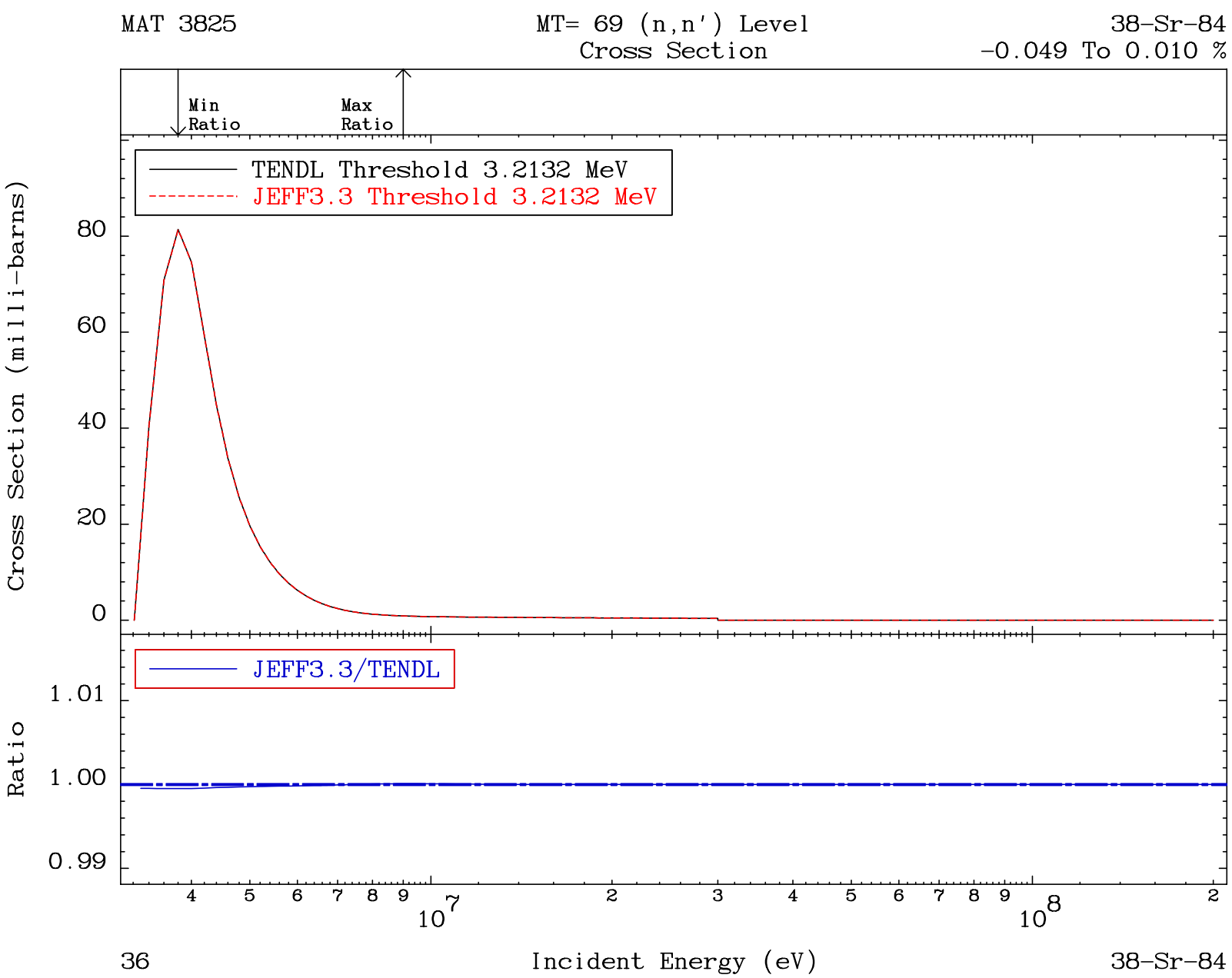

MAT 3825
MT= 64 (n,n') Level
Cross Section
38-Sr-84
-0.146 To 0.019 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.8416 MeV
JEFF3.3 Threshold 2.8416 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
31
Incident Energy (eV)
38-Sr-84

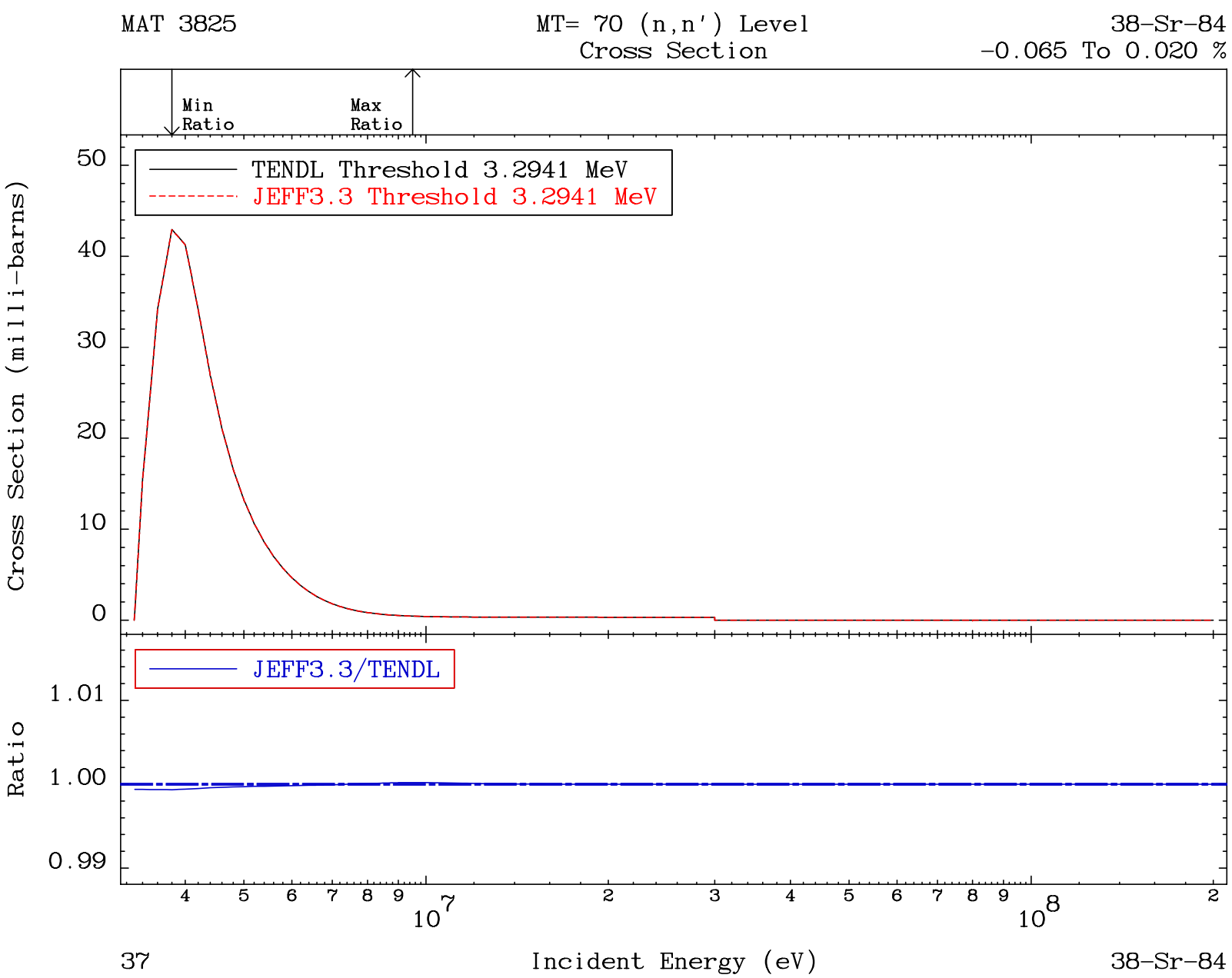

MAT 3825
MT= 65 (n,n') Level
Cross Section
38-Sr-84
-0.049 To 0.010 %
Min Ratio
Max Ratio
TENDL Threshold 2.9217 MeV
JEFF3.3 Threshold 2.9217 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
32
Incident Energy (eV)
38-Sr-84

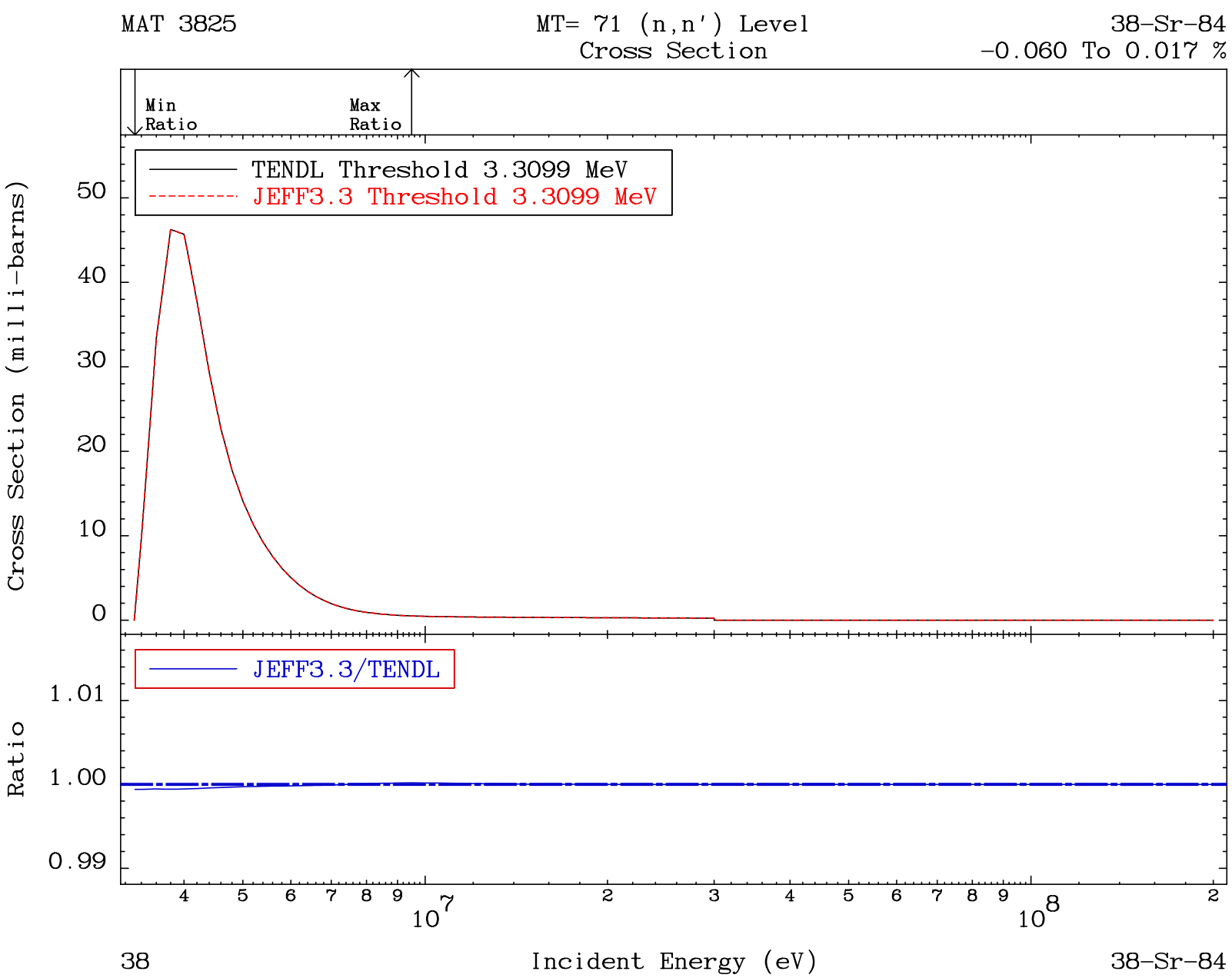

MAT 3825
MT= 66 (n,n') Level
Cross Section
38-Sr-84
-0.125 To 0.023 %
Min Ratio
Max Ratio
TENDL Threshold 3.0778 MeV
JEFF3.3 Threshold 3.0778 MeV
Cross Section (milli-barns)
18
16
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
33
Incident Energy (eV)
38-Sr-84

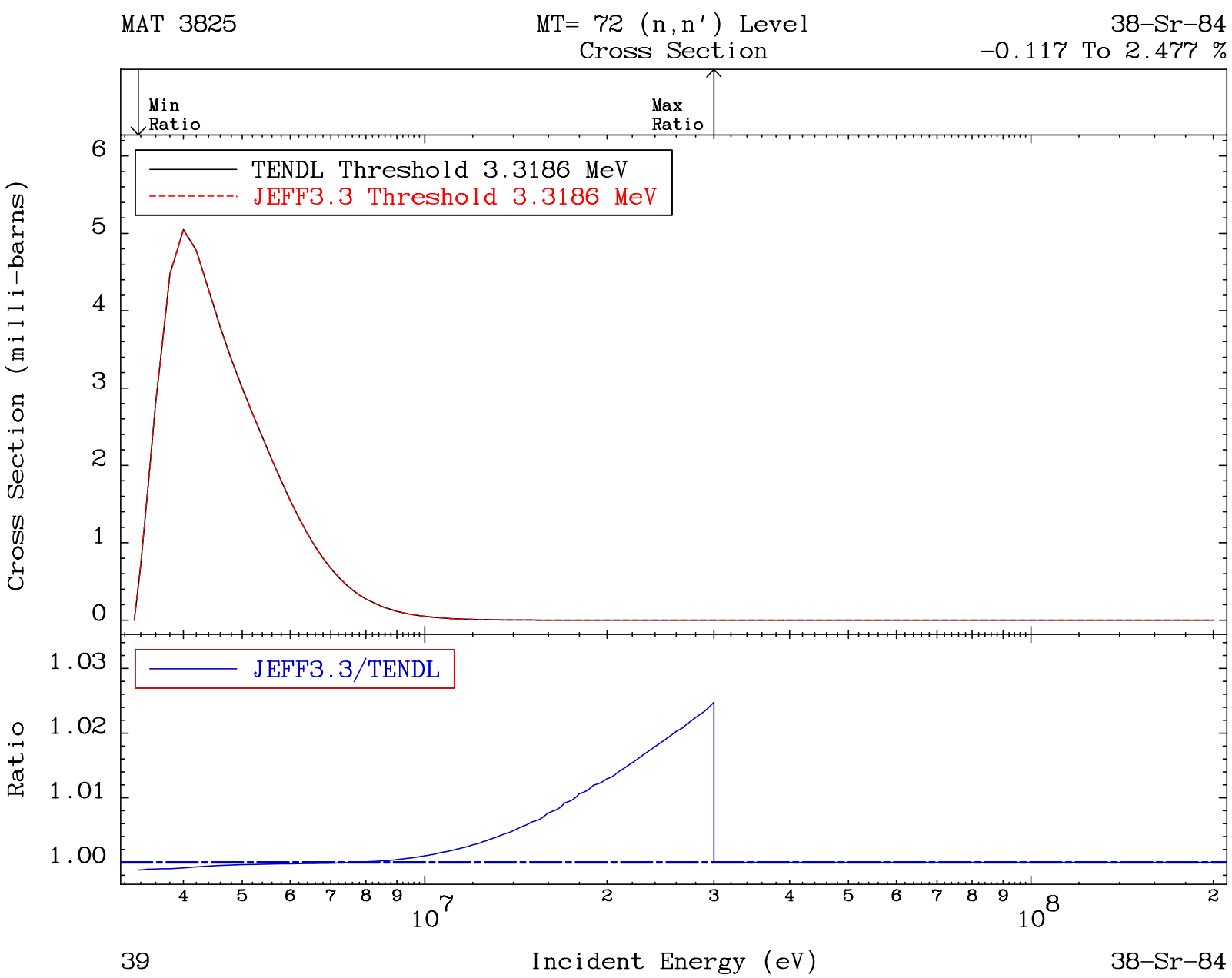

MAT 3825
MT= 67 (n,n') Level
Cross Section
38-Sr-84
-0.131 To 0.019 %
Min Ratio
Max Ratio
TENDL Threshold 3.1359 MeV
JEFF3.3 Threshold 3.1359 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
34
38-Sr-84

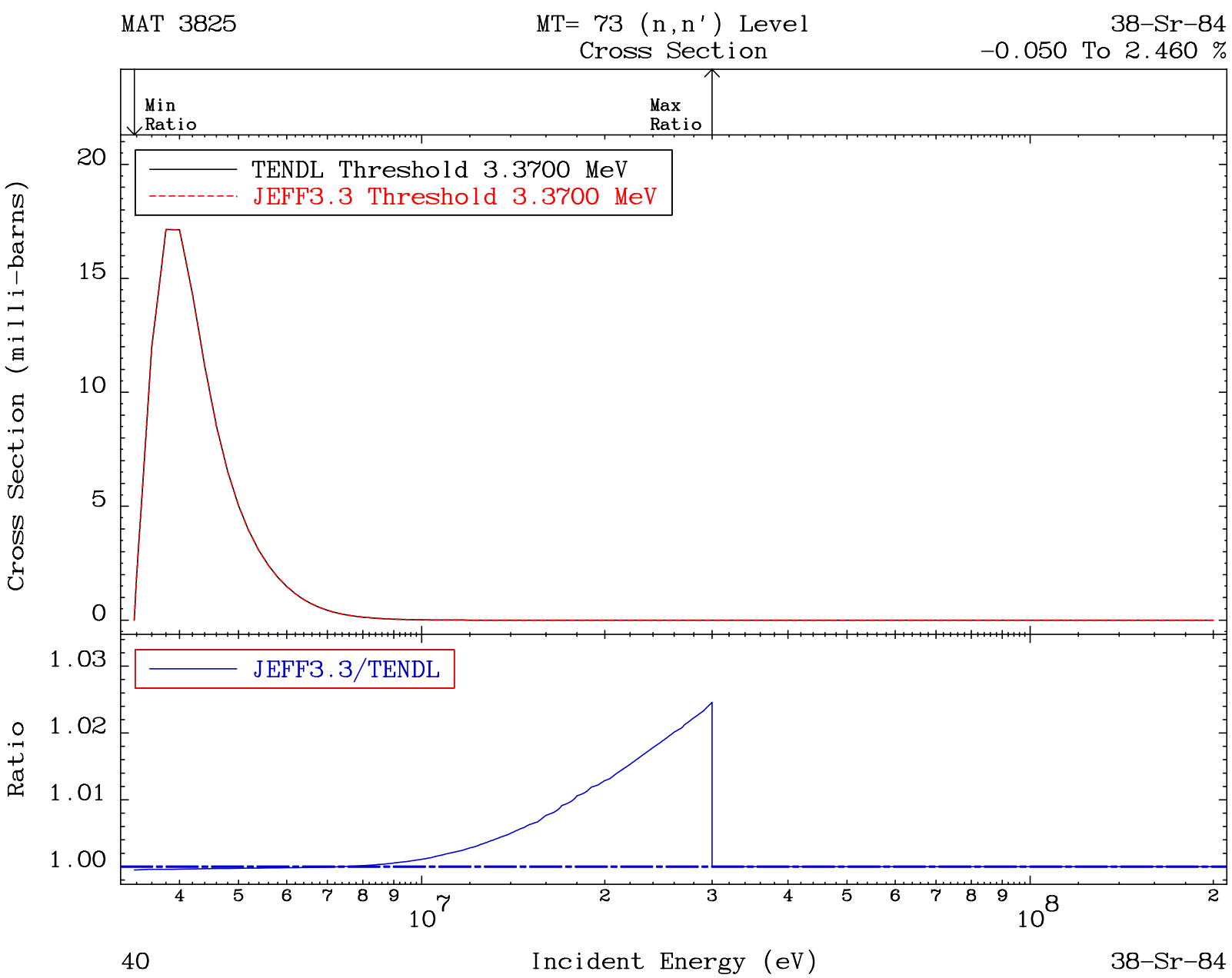

MAT 3825
MT= 68 (n,n') Level
Cross Section
38-Sr-84
-0.298 To 2.483 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.1950 MeV
JEFF3.3 Threshold 3.1950 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.03
1.02
1.01
1.00
4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
35
Incident Energy (eV)
38-Sr-84

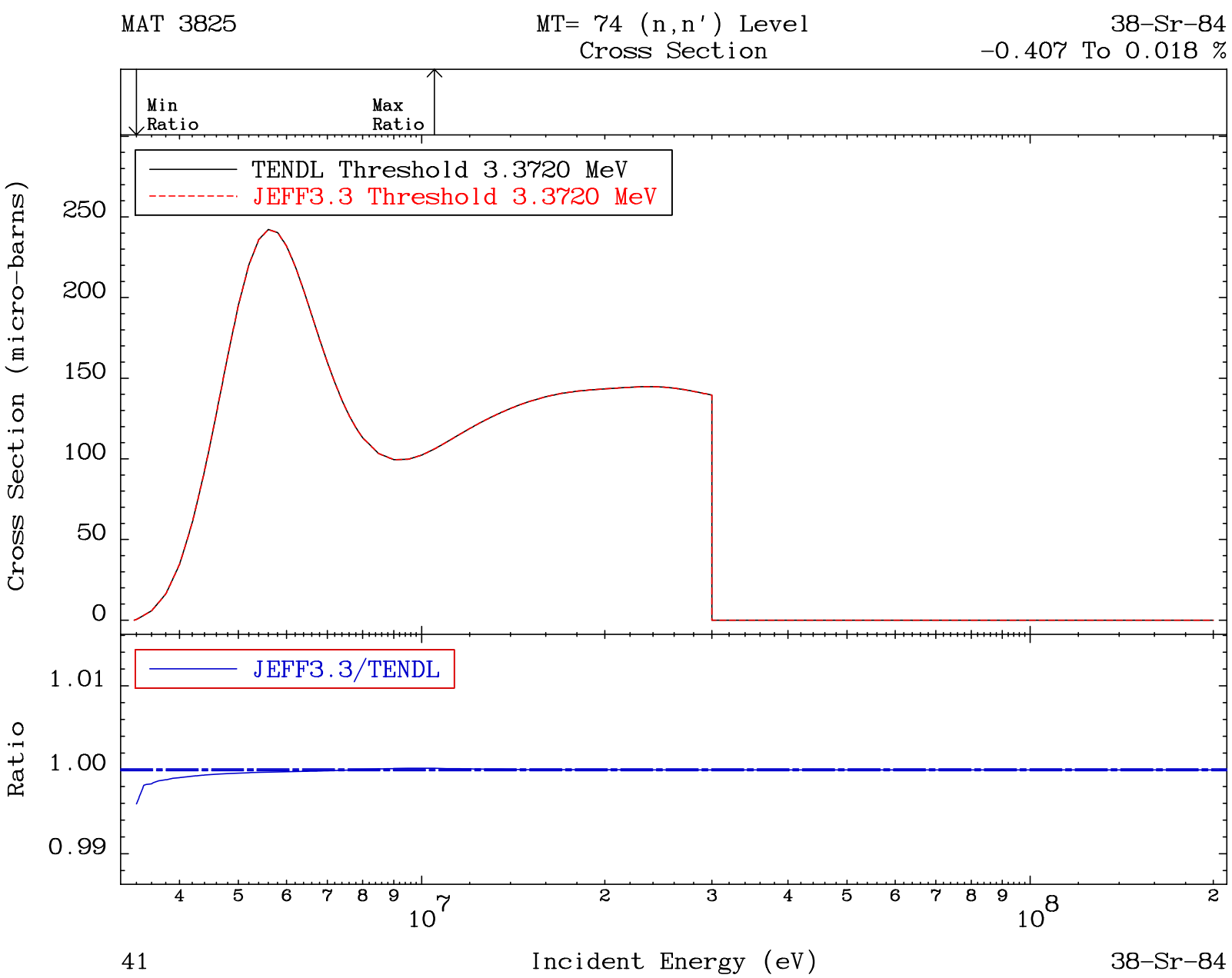

MAT 3825
MT= 69 (n,n') Level
Cross Section
38-Sr-84
-0.049 To 0.010 %
Min Ratio
Max Ratio
TENDL Threshold 3.2132 MeV
JEFF3.3 Threshold 3.2132 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
38-Sr-84

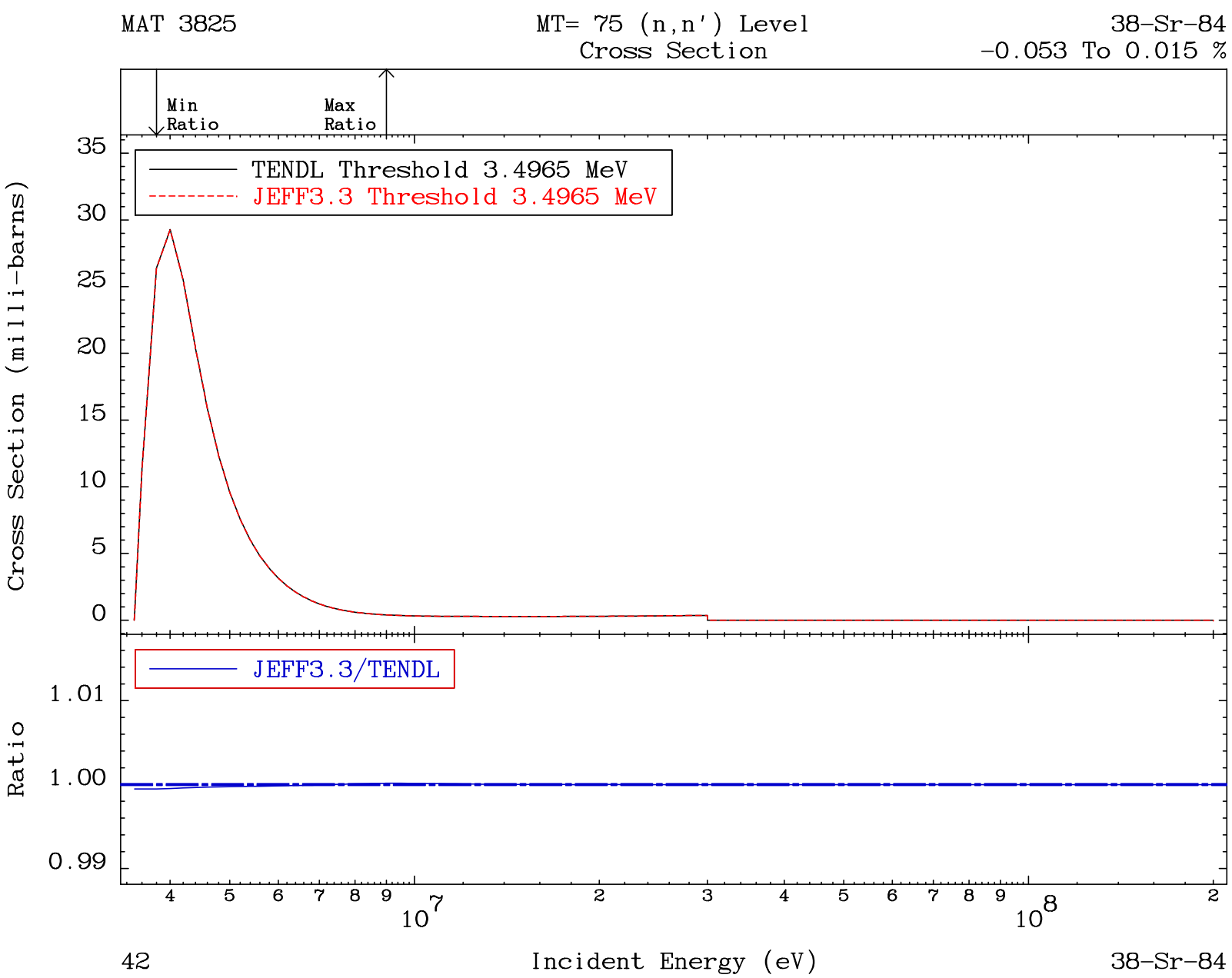

MAT 3825
MT= 70 (n,n') Level
Cross Section
38-Sr-84
-0.065 To 0.020 %
Min Ratio
Max Ratio
TENDL Threshold 3.2941 MeV
JEFF3.3 Threshold 3.2941 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
37
Incident Energy (eV)
38-Sr-84

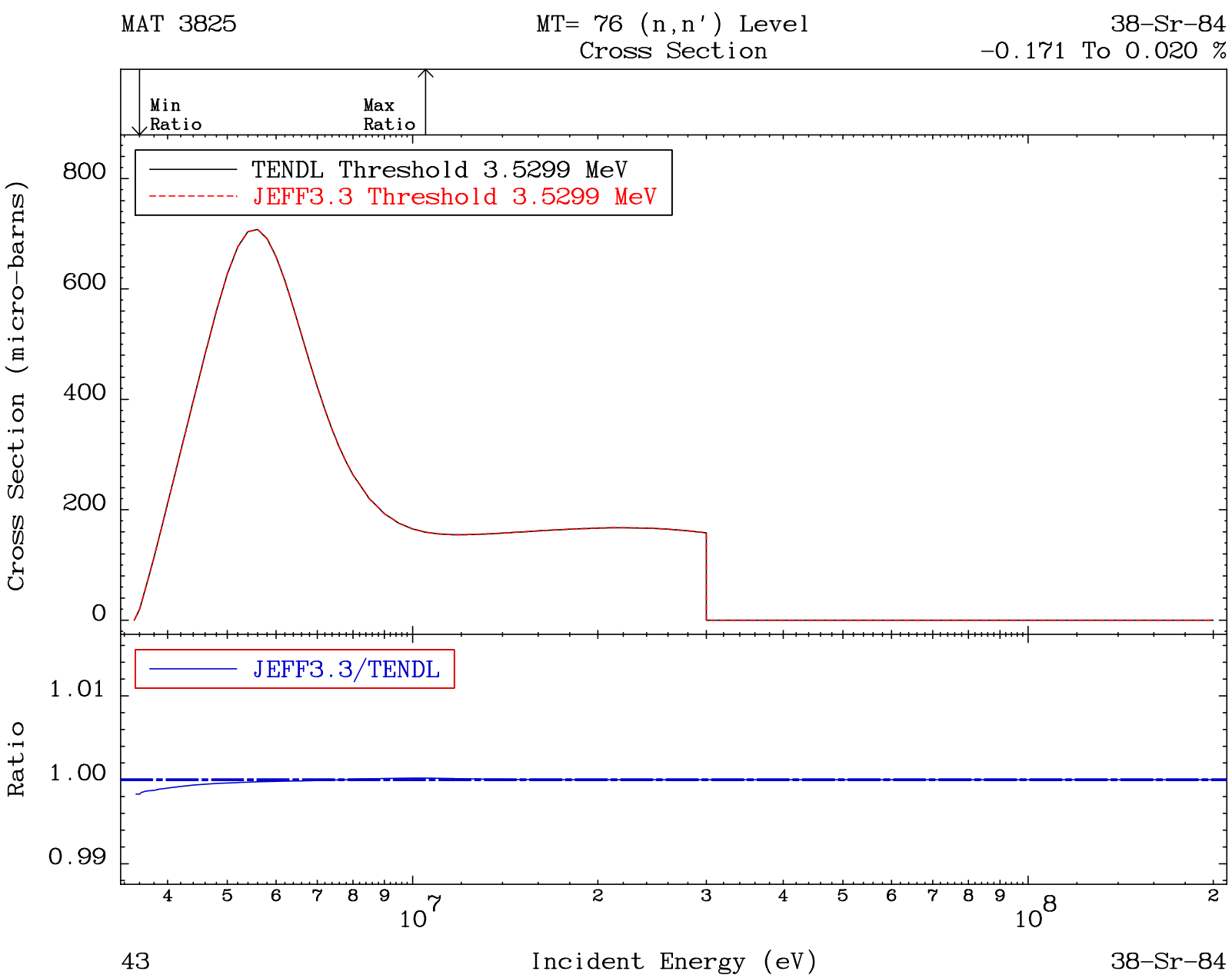

MAT 3825
MT= 71 (n,n') Level
Cross Section
38-Sr-84
-0.060 To 0.017 %
Min Ratio
Max Ratio
TENDL Threshold 3.3099 MeV
JEFF3.3 Threshold 3.3099 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
38
Incident Energy (eV)
38-Sr-84

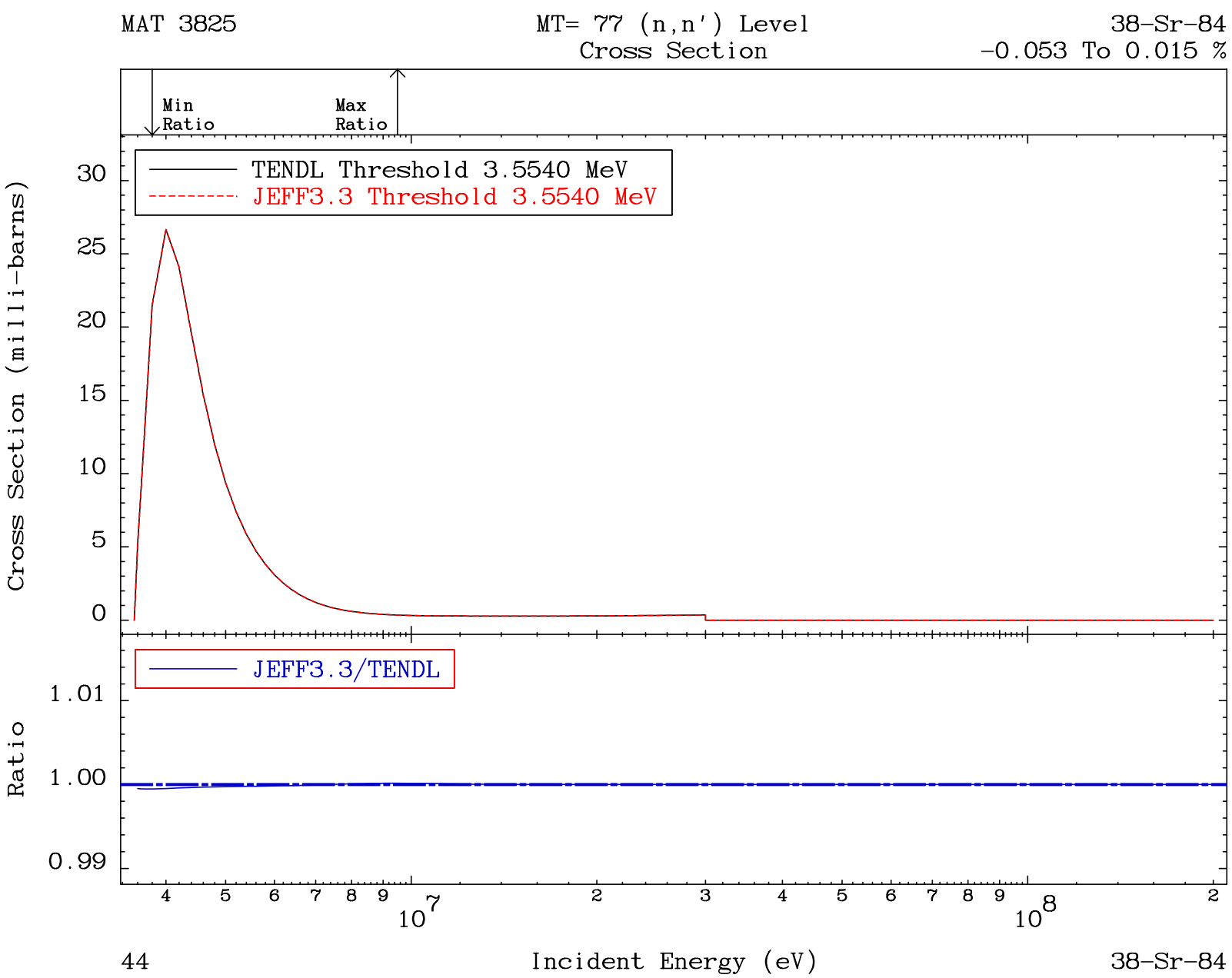

MAT 3825
MT= 72 (n,n') Level
Cross Section
38-Sr-84
-0.117 To 2.477 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.3186 MeV
JEFF3.3 Threshold 3.3186 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
JEFF3.3/TENDL
Ratio
1.00
1.01
1.02
1.03
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
38-Sr-84

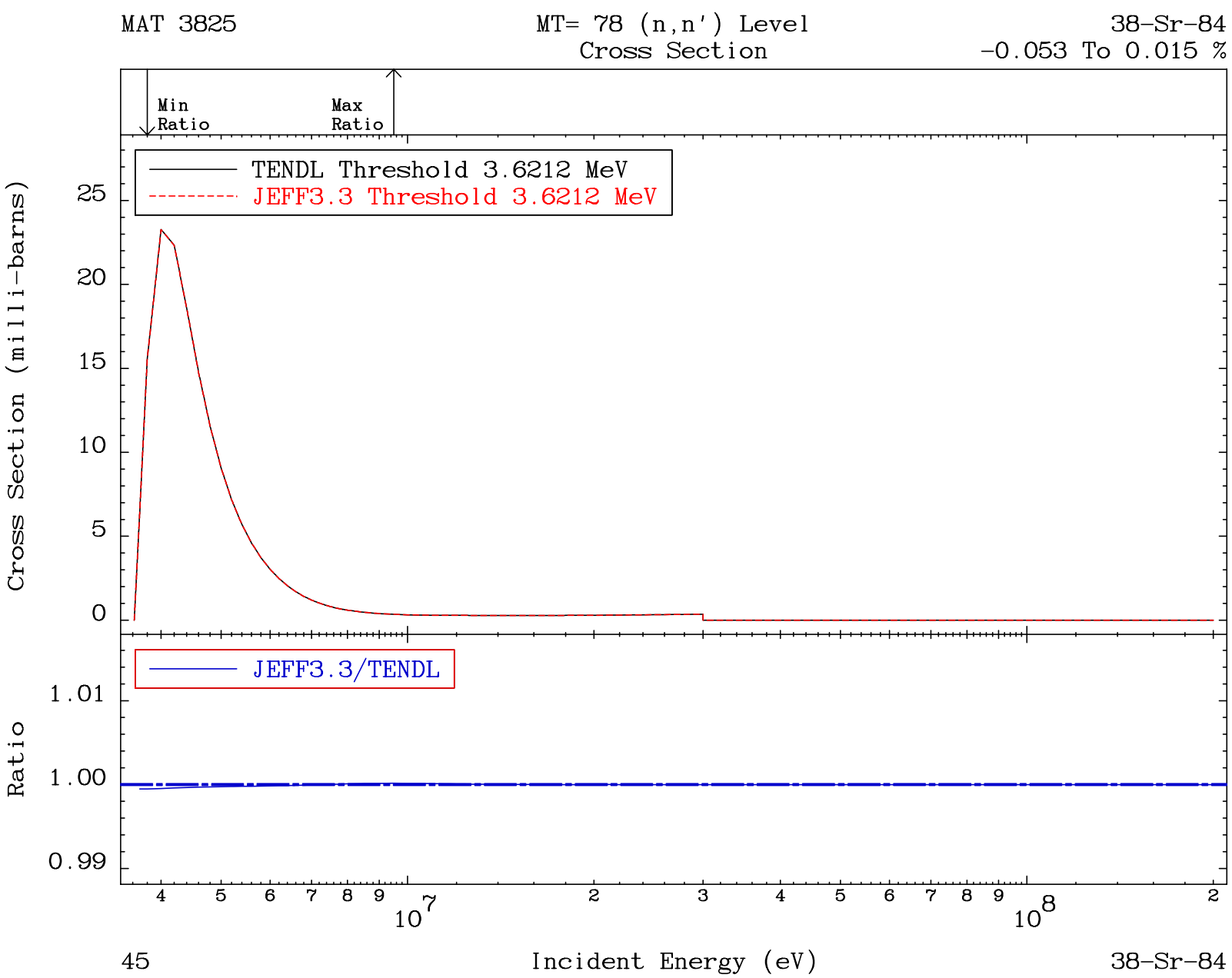

MAT 3825
MT= 73 (n,n') Level
Cross Section
38-Sr-84
-0.050 To 2.460 %
Min
Ratio
Max
Ratio
TENDL Threshold 3.3700 MeV
JEFF3.3 Threshold 3.3700 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.03
1.02
1.01
1.00
4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
40
Incident Energy (eV)
38-Sr-84

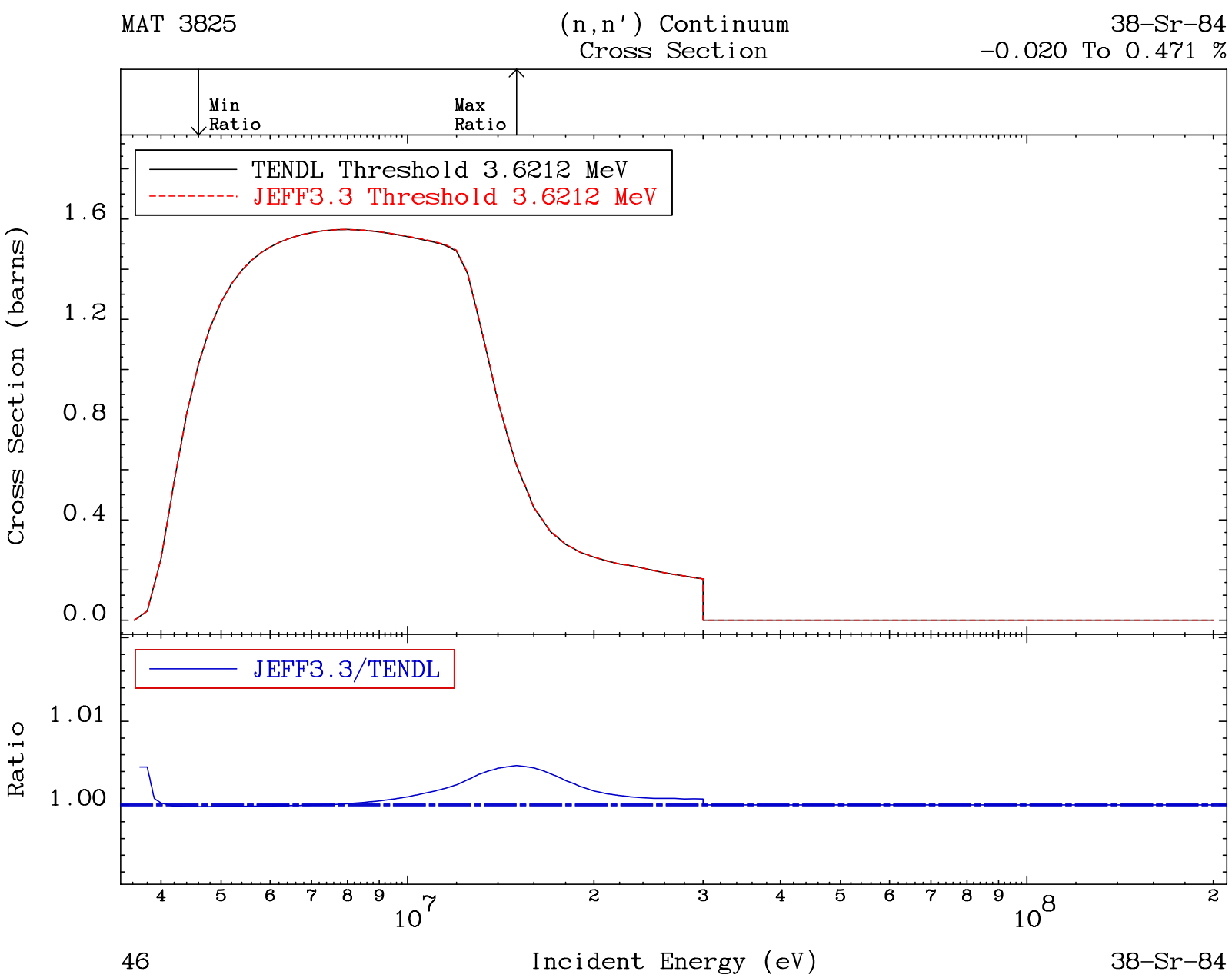

MAT 3825
MT= 74 (n,n') Level
Cross Section
38-Sr-84
-0.407 To 0.018 %
Min Ratio
Max Ratio
TENDL Threshold 3.3720 MeV
JEFF3.3 Threshold 3.3720 MeV
Cross Section (micro-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
41
Incident Energy (eV)
38-Sr-84

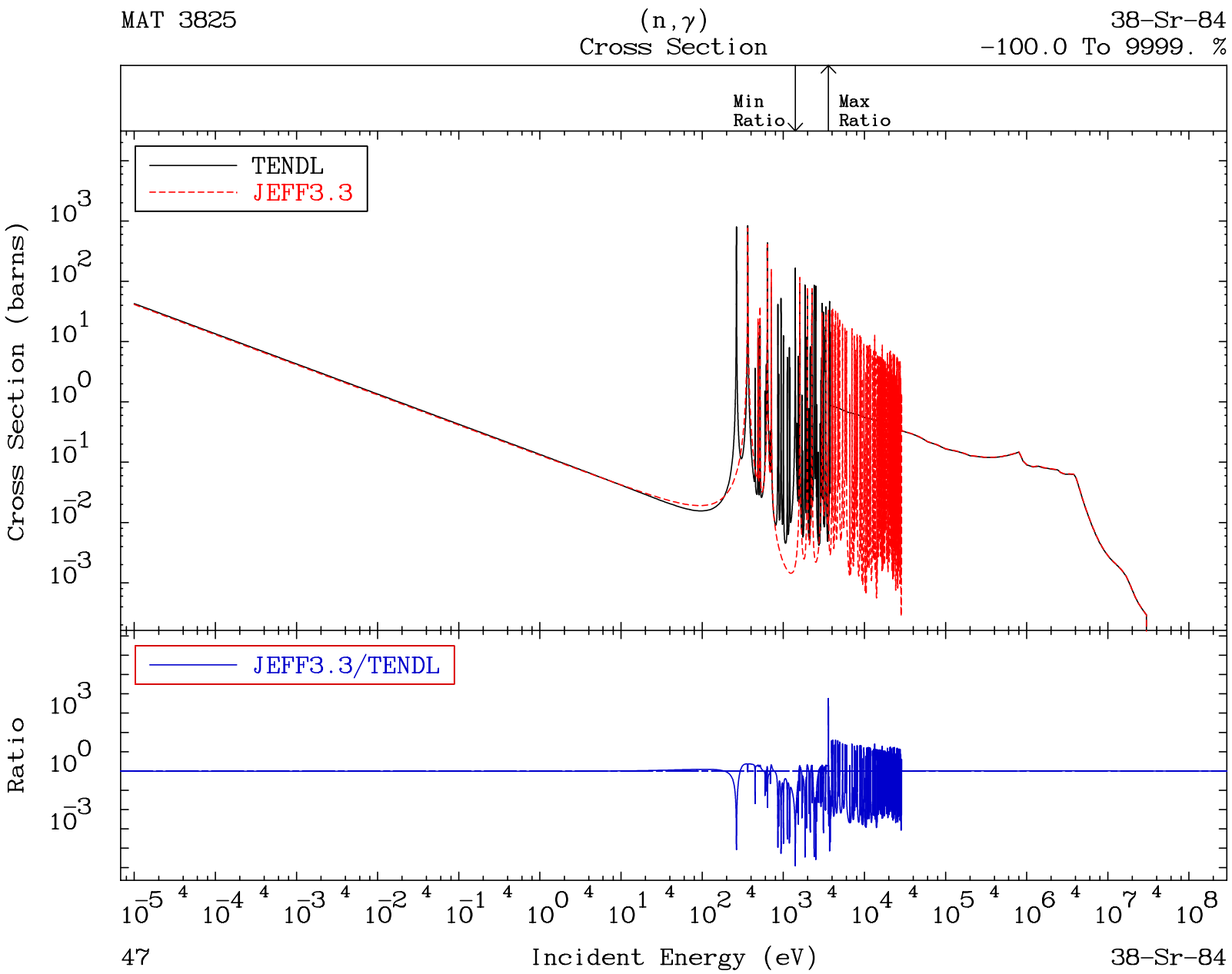

MAT 3825
MT= 75 (n,n') Level
Cross Section
38-Sr-84
-0.053 To 0.015 %
Min Ratio
Max Ratio
TENDL Threshold 3.4965 MeV
JEFF3.3 Threshold 3.4965 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
42
Incident Energy (eV)
38-Sr-84

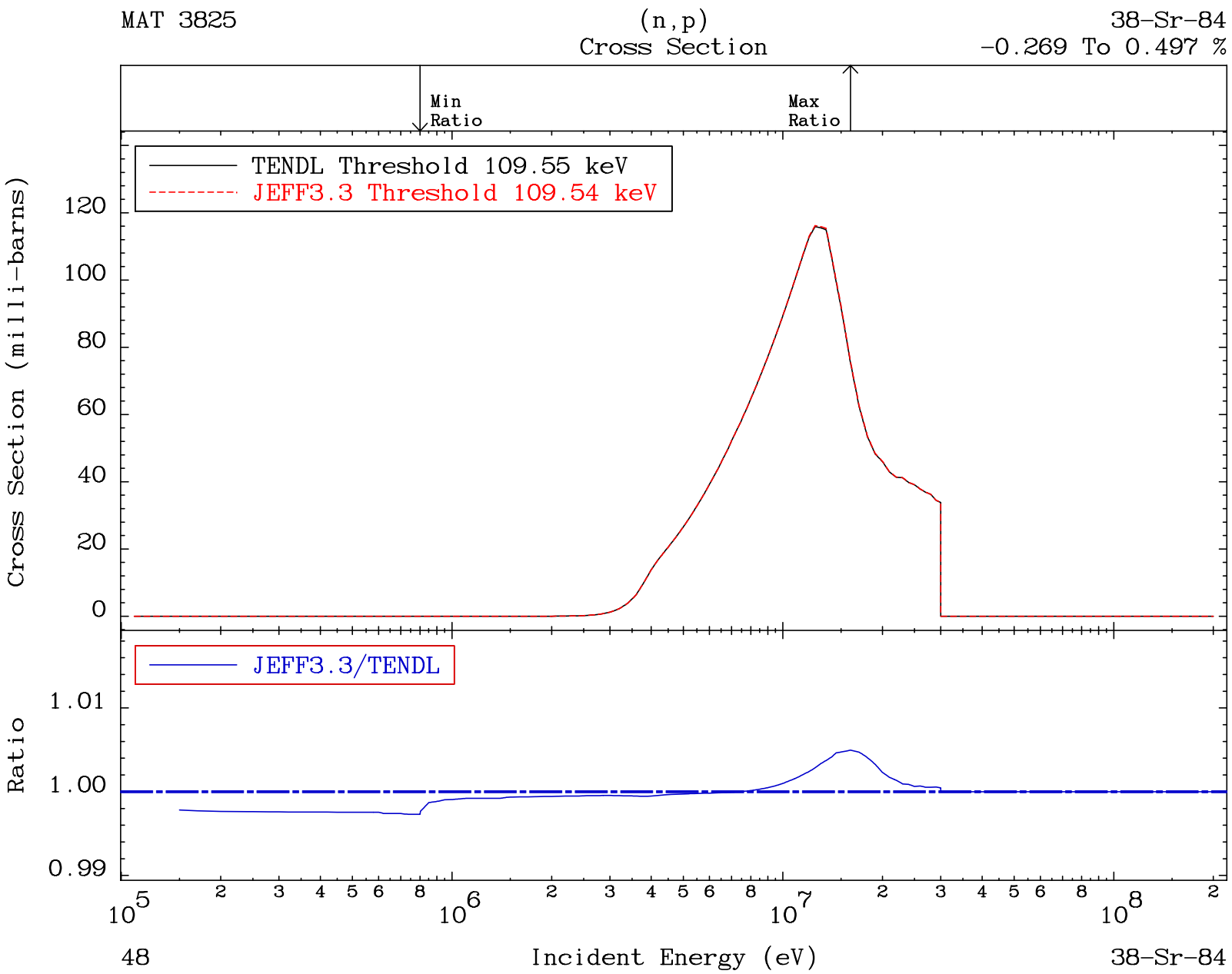

MAT 3825
MT= 76 (n,n') Level
Cross Section
38-Sr-84
-0.171 To 0.020 %
Min Ratio
Max Ratio
TENDL Threshold 3.5299 MeV
JEFF3.3 Threshold 3.5299 MeV
Cross Section (micro-barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
43
Incident Energy (eV)
38-Sr-84

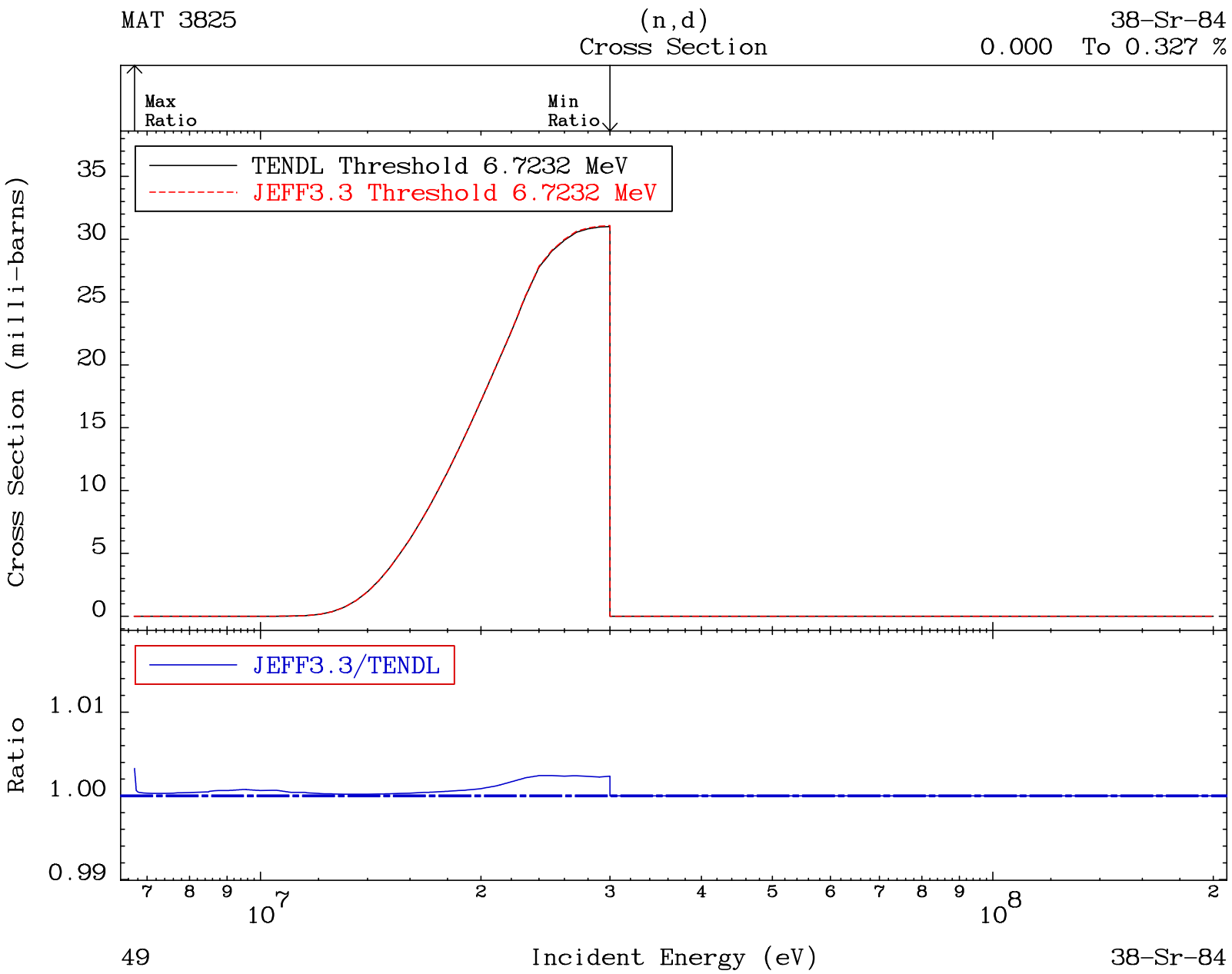

MAT 3825
MT= 77 (n,n') Level
Cross Section
38-Sr-84
-0.053 To 0.015 %
Min Ratio
Max Ratio
TENDL Threshold 3.5540 MeV
JEFF3.3 Threshold 3.5540 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
44
Incident Energy (eV)
38-Sr-84

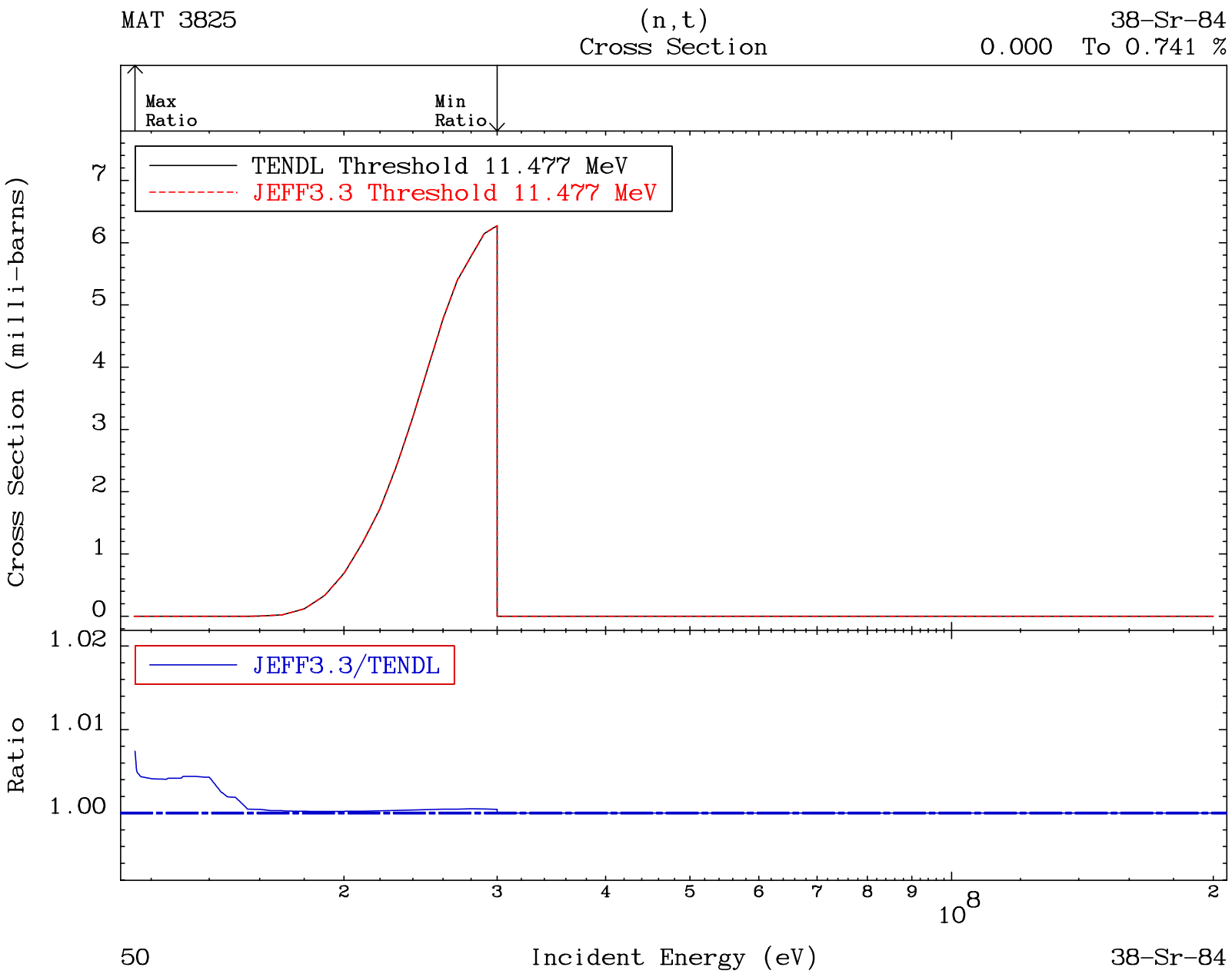

MAT 3825
MT= 78 (n,n') Level
Cross Section
38-Sr-84
-0.053 To 0.015 %
Min Ratio
Max Ratio
TENDL Threshold 3.6212 MeV
JEFF3.3 Threshold 3.6212 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
45
Incident Energy (eV)
38-Sr-84

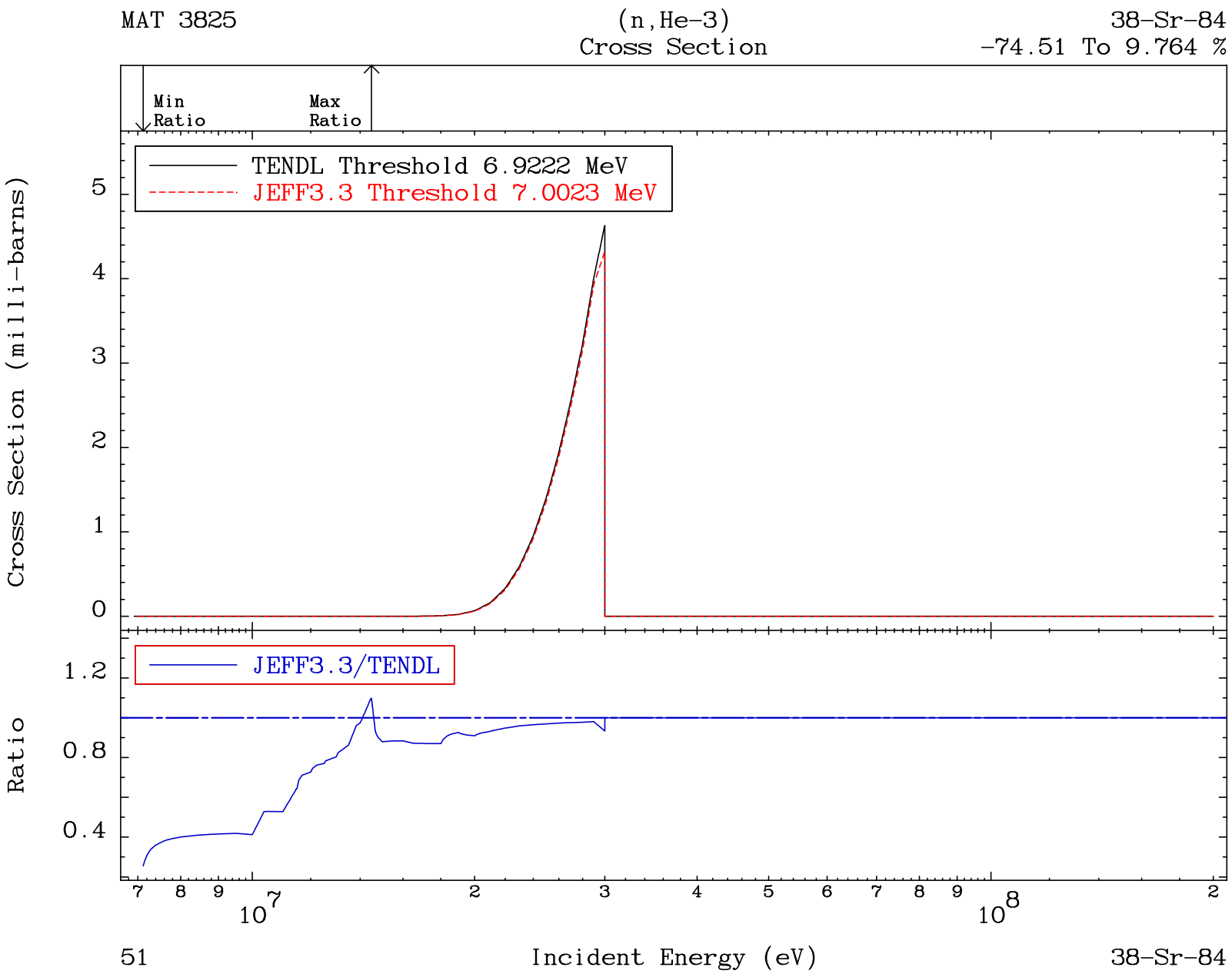

MAT 3825
(n,n') Continuum
Cross Section
38-Sr-84
-0.020 To 0.471 %
Min Ratio
Max Ratio
TENDL Threshold 3.6212 MeV
JEFF3.3 Threshold 3.6212 MeV
Cross Section (barns)
1.6
1.2
0.8
0.4
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
46
Incident Energy (eV)
38-Sr-84

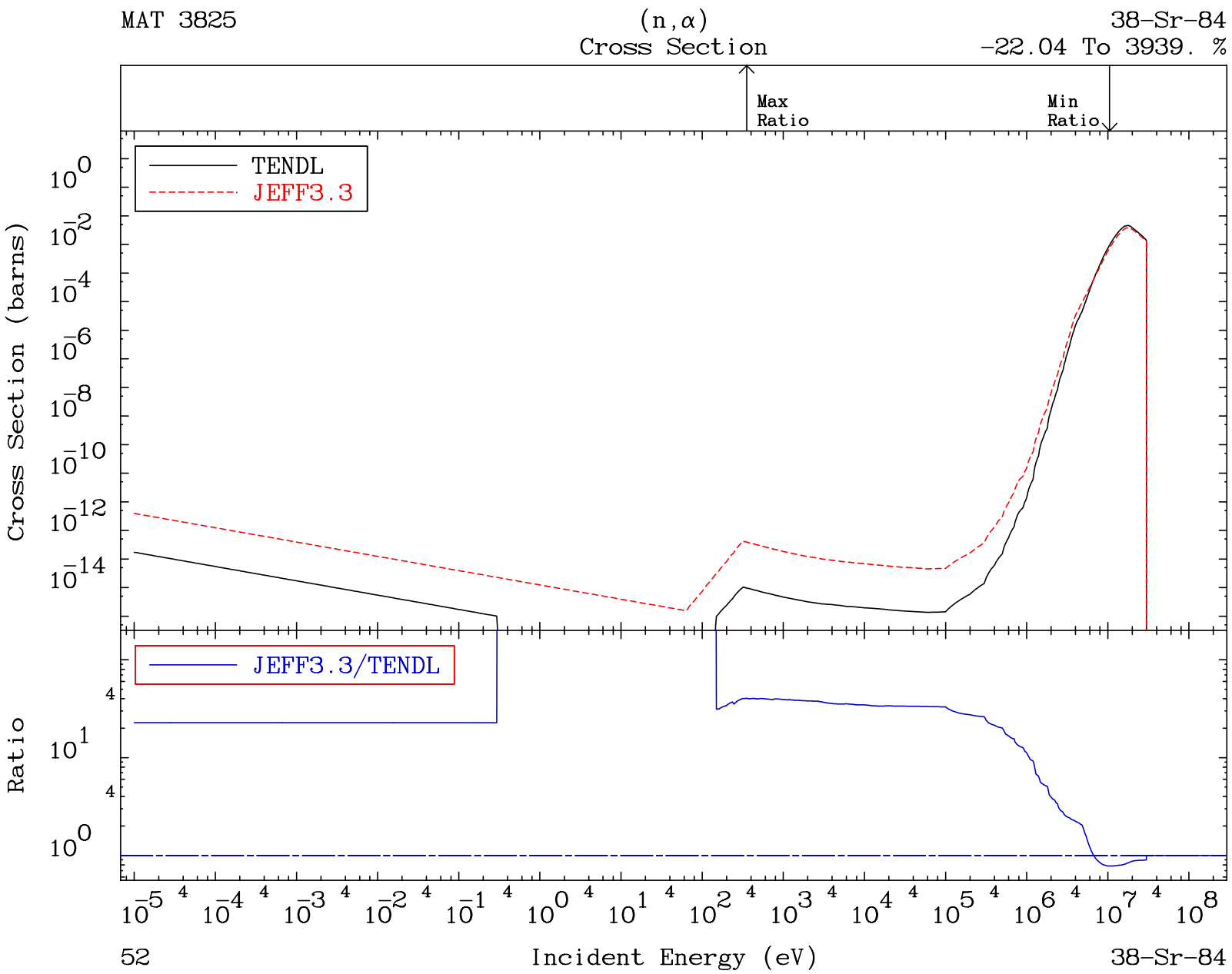

MAT 3825
(n,γ)
Cross Section
38-Sr-84
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
47
38-Sr-84

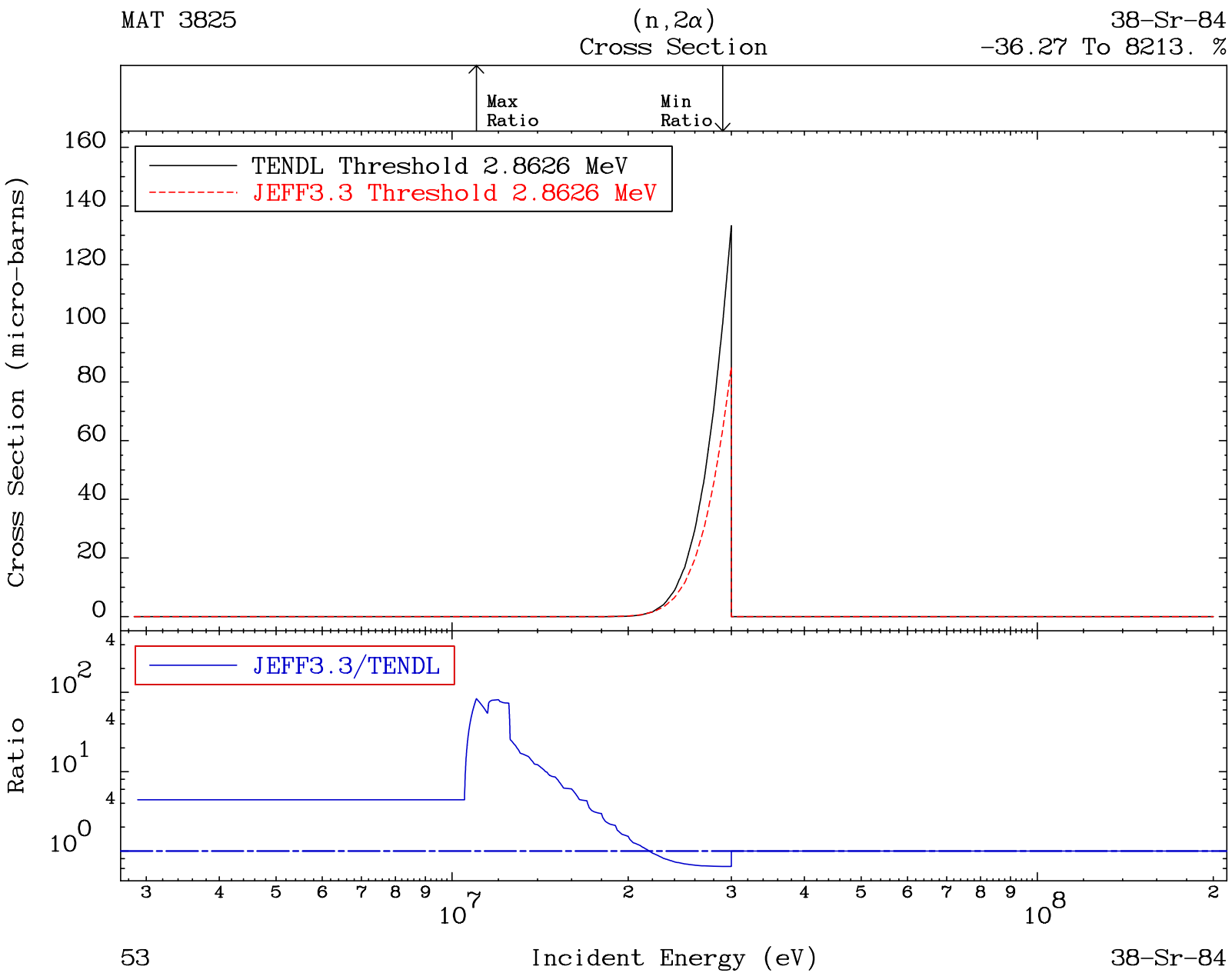

MAT 3825
(n,p)
Cross Section
38-Sr-84
-0.269 To 0.497 %
Min Ratio
Max Ratio
TENDL Threshold 109.55 keV
JEFF3.3 Threshold 109.54 keV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
10^5
10^6
10^7
10^8
48
Incident Energy (eV)
38-Sr-84

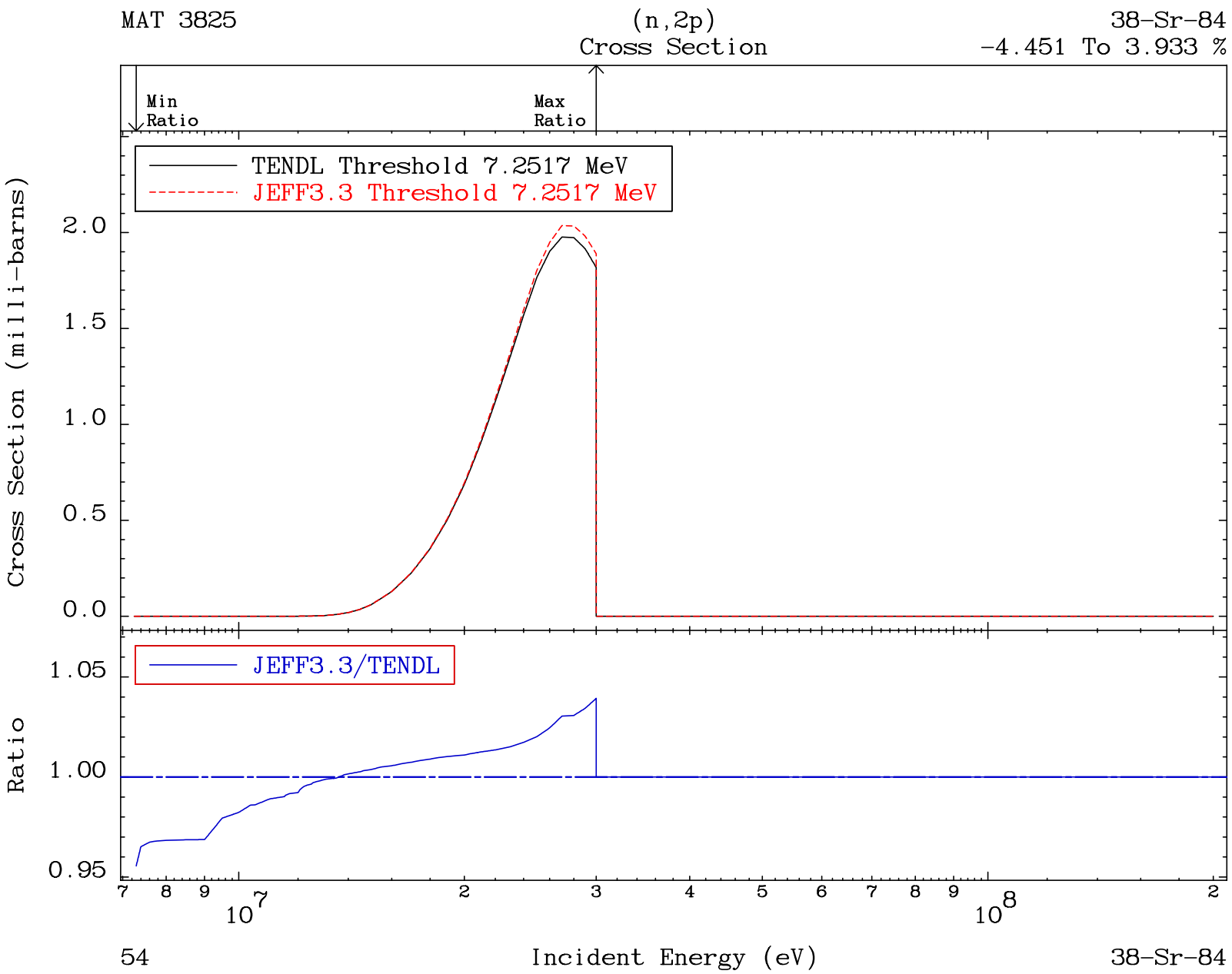

MAT 3825
(n,d)
Cross Section
38-Sr-84
0.000 To 0.327 %
Max Ratio
Min Ratio
TENDL Threshold 6.7232 MeV
JEFF3.3 Threshold 6.7232 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
49
Incident Energy (eV)
38-Sr-84

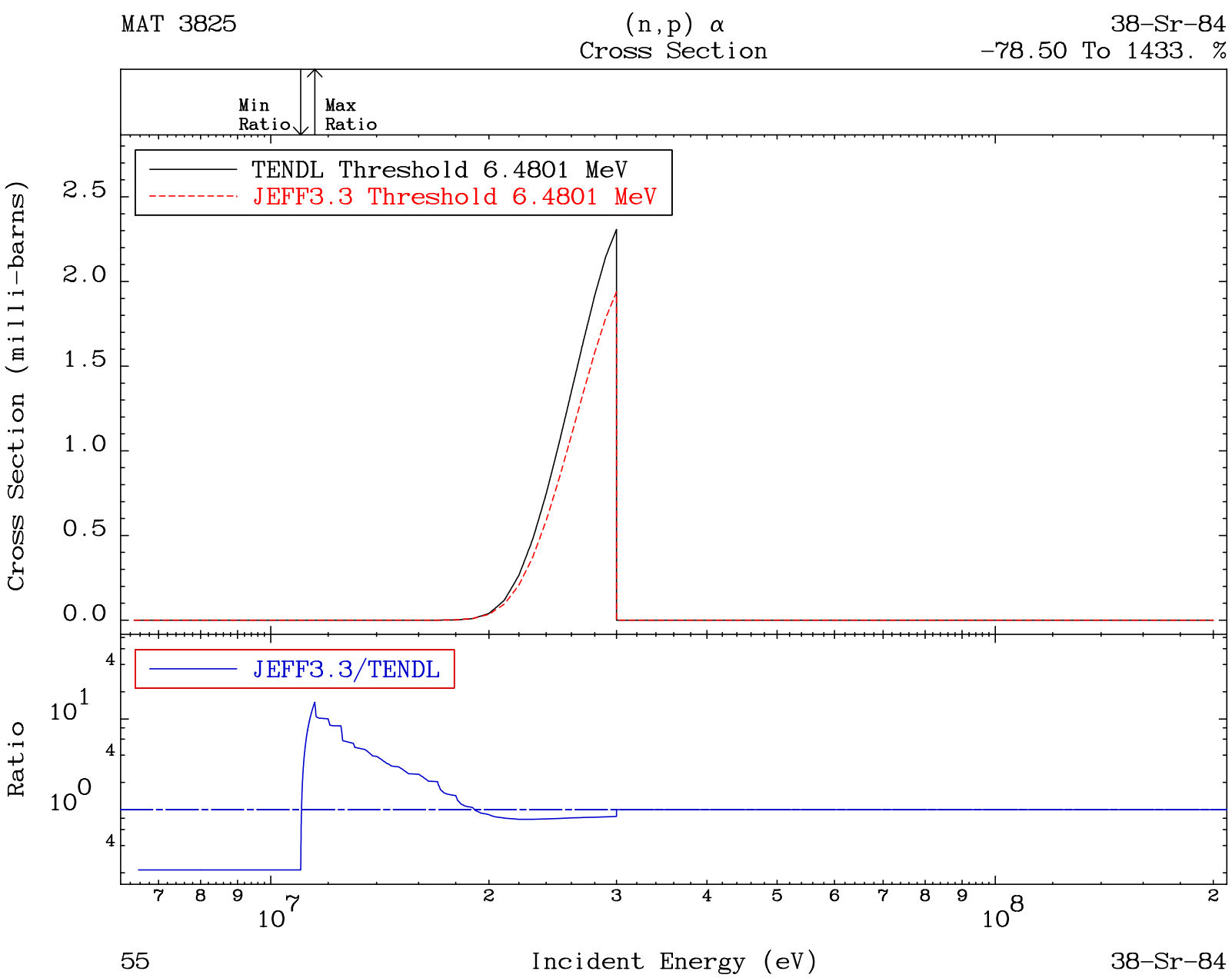

MAT 3825
(n,t)
Cross Section
38-Sr-84
0.000 To 0.741 %
Max Ratio
Min Ratio
TENDL Threshold 11.477 MeV
JEFF3.3 Threshold 11.477 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
7
JEFF3.3/TENDL
Ratio
1.00
1.01
1.02
2
3
4
5
6
7
8
9
10^8
2
50
Incident Energy (eV)
38-Sr-84

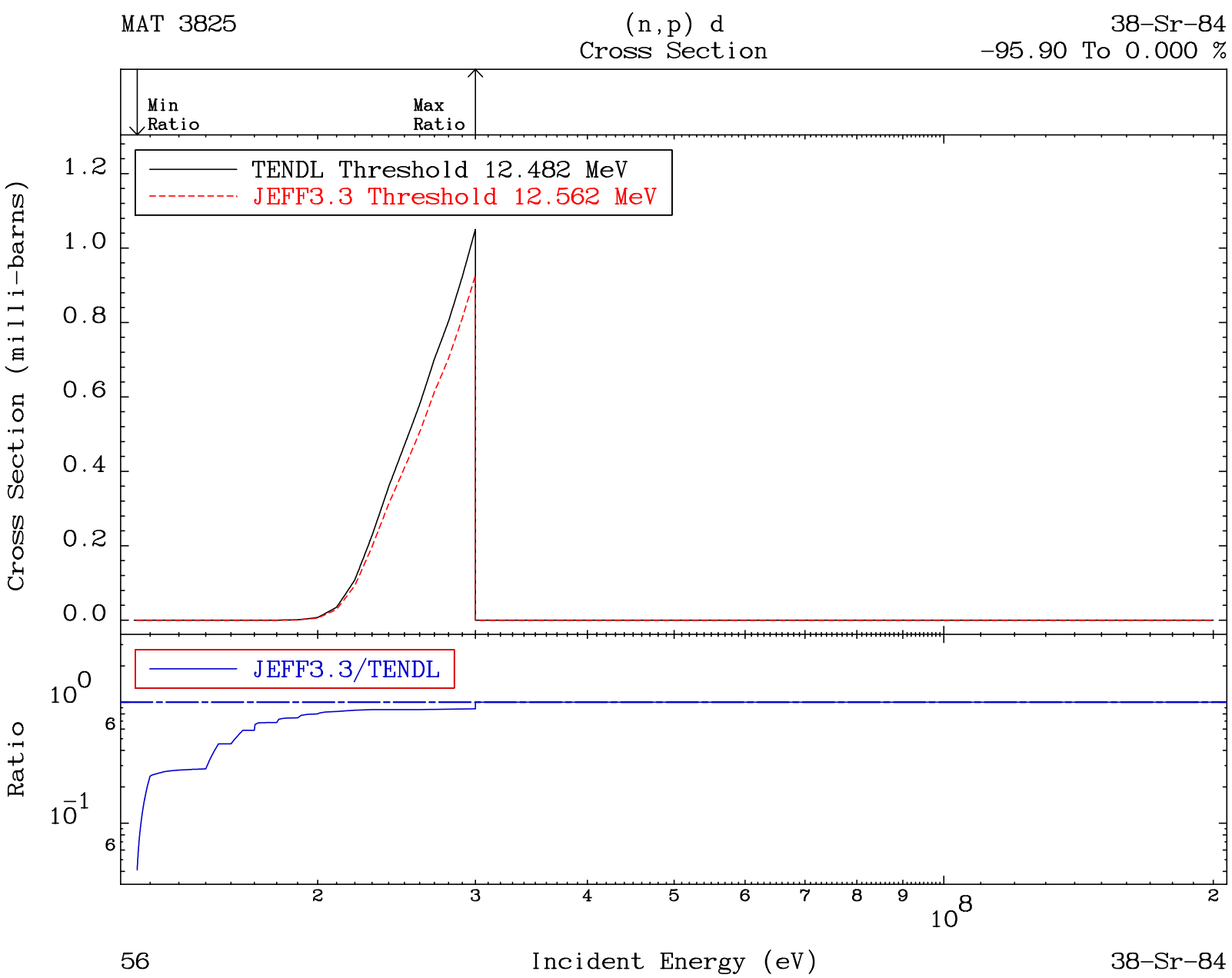

MAT 3825
(n,He-3)
Cross Section
38-Sr-84
-74.51 To 9.764 %
Min Ratio
Max Ratio
TENDL Threshold 6.9222 MeV
JEFF3.3 Threshold 7.0023 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
51
38-Sr-84

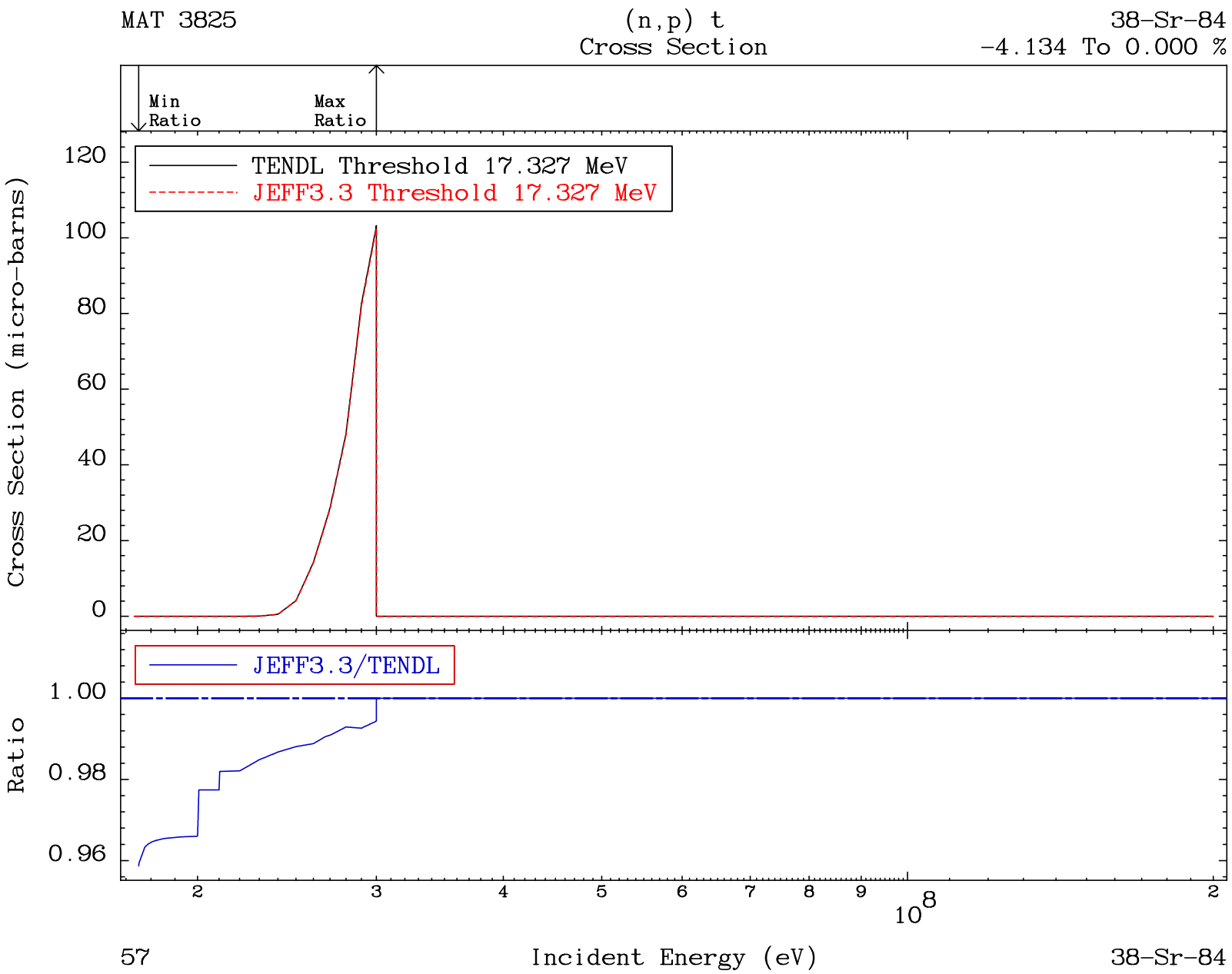

MAT 3825
(n,α)
Cross Section
38-Sr-84
-22.04 To 3939. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
52
Incident Energy (eV)
38-Sr-84

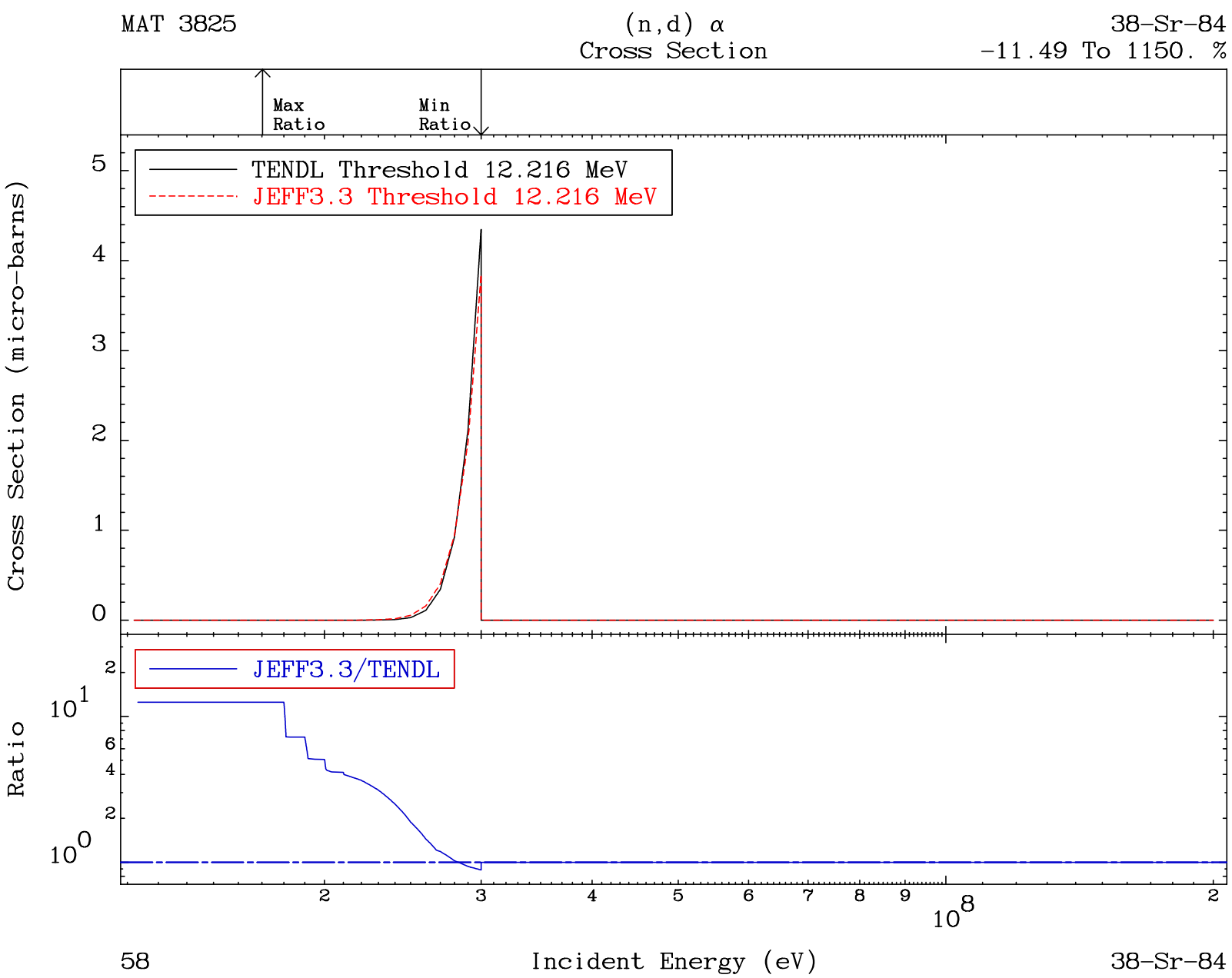

MAT 3825
(n,2α)
Cross Section
38-Sr-84
-36.27 To 8213. %
Max Ratio
Min Ratio
TENDL Threshold 2.8626 MeV
JEFF3.3 Threshold 2.8626 MeV
Cross Section (micro-barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
53
Incident Energy (eV)
38-Sr-84

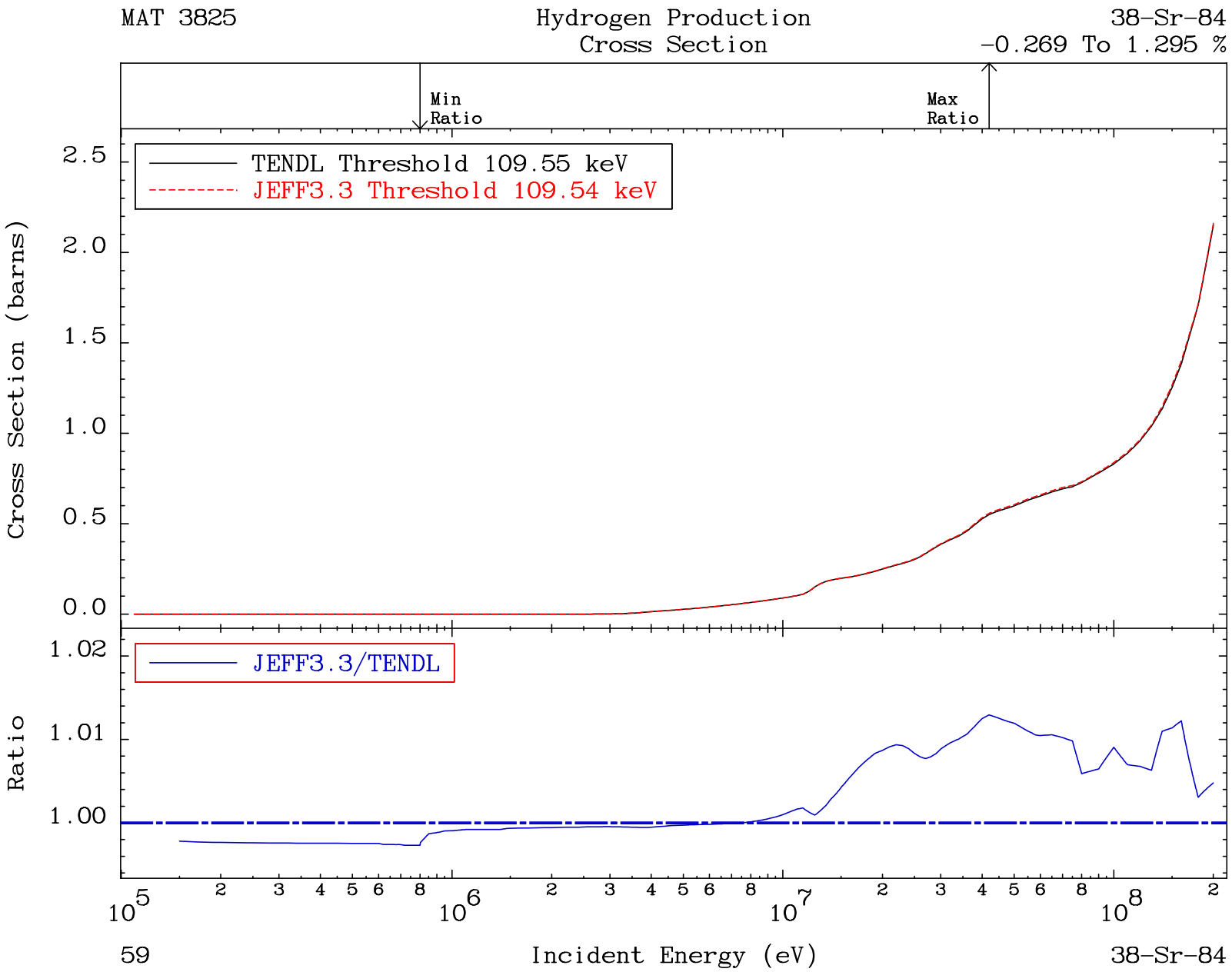

MAT 3825
(n,2p)
Cross Section
38-Sr-84
-4.451 To 3.933 %
Min Ratio
Max Ratio
TENDL Threshold 7.2517 MeV
JEFF3.3 Threshold 7.2517 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.05
1.00
0.95
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
54
Incident Energy (eV)
38-Sr-84

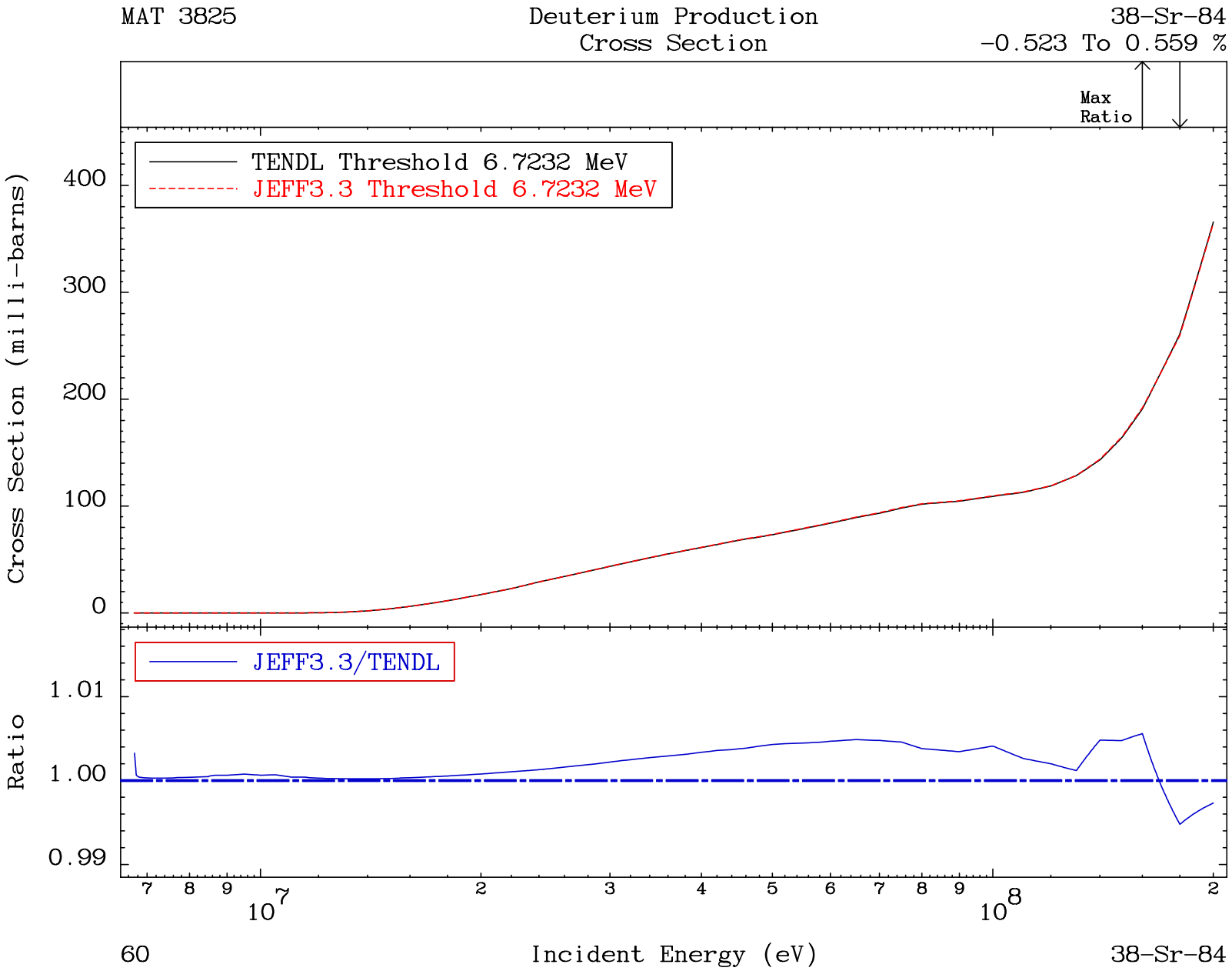

MAT 3825
(n,p) α
Cross Section
38-Sr-84
-78.50 To 1433. %
Min Ratio
Max Ratio
TENDL Threshold 6.4801 MeV
JEFF3.3 Threshold 6.4801 MeV
Cross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^1
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
55
Incident Energy (eV)
38-Sr-84

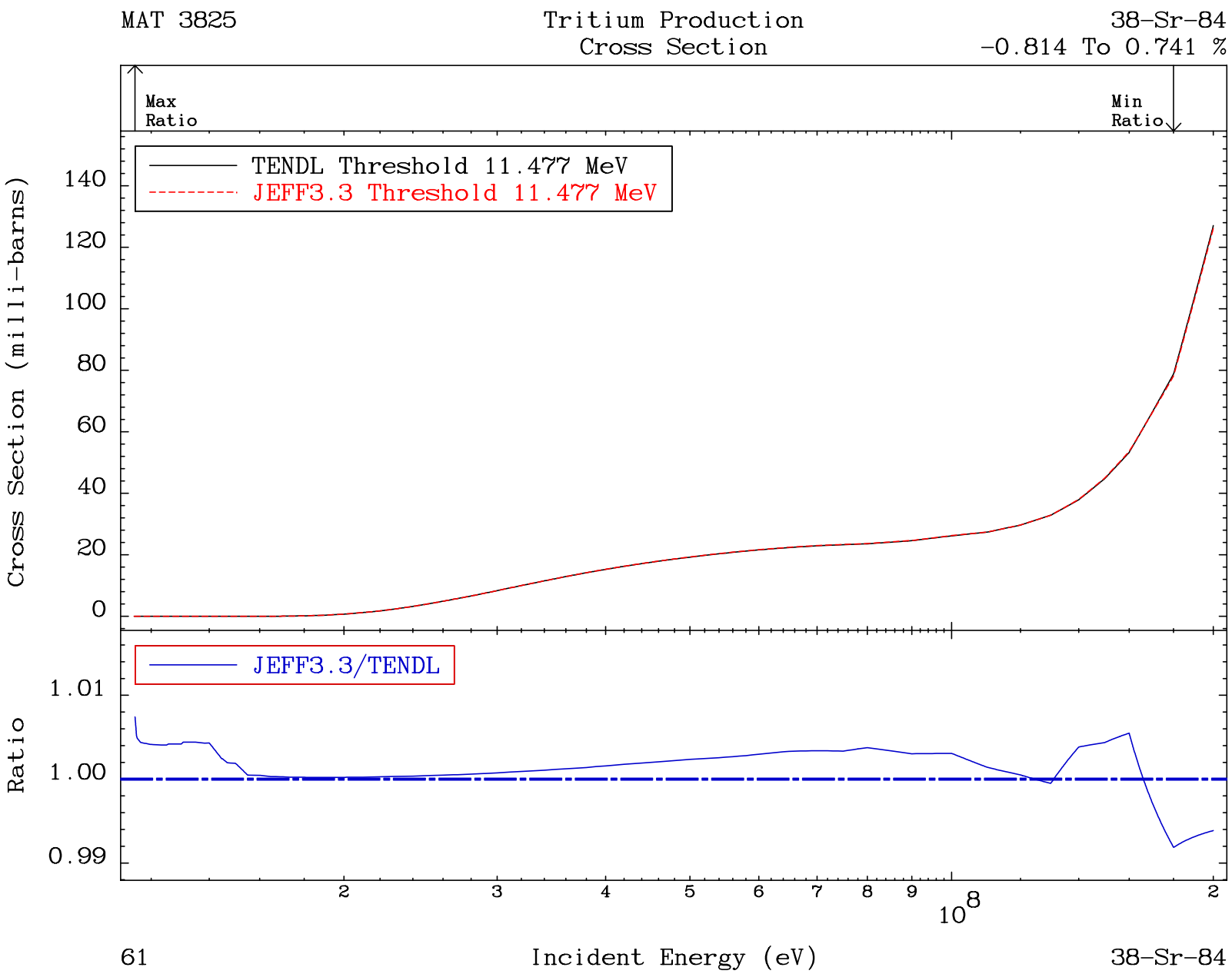

MAT 3825
(n,p) d
Cross Section
38-Sr-84
-95.90 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 12.482 MeV
JEFF3.3 Threshold 12.562 MeV
Cross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
10^0
10^-1
2
3
4
5
6
7
8
9
10^8
2
56
Incident Energy (eV)
38-Sr-84

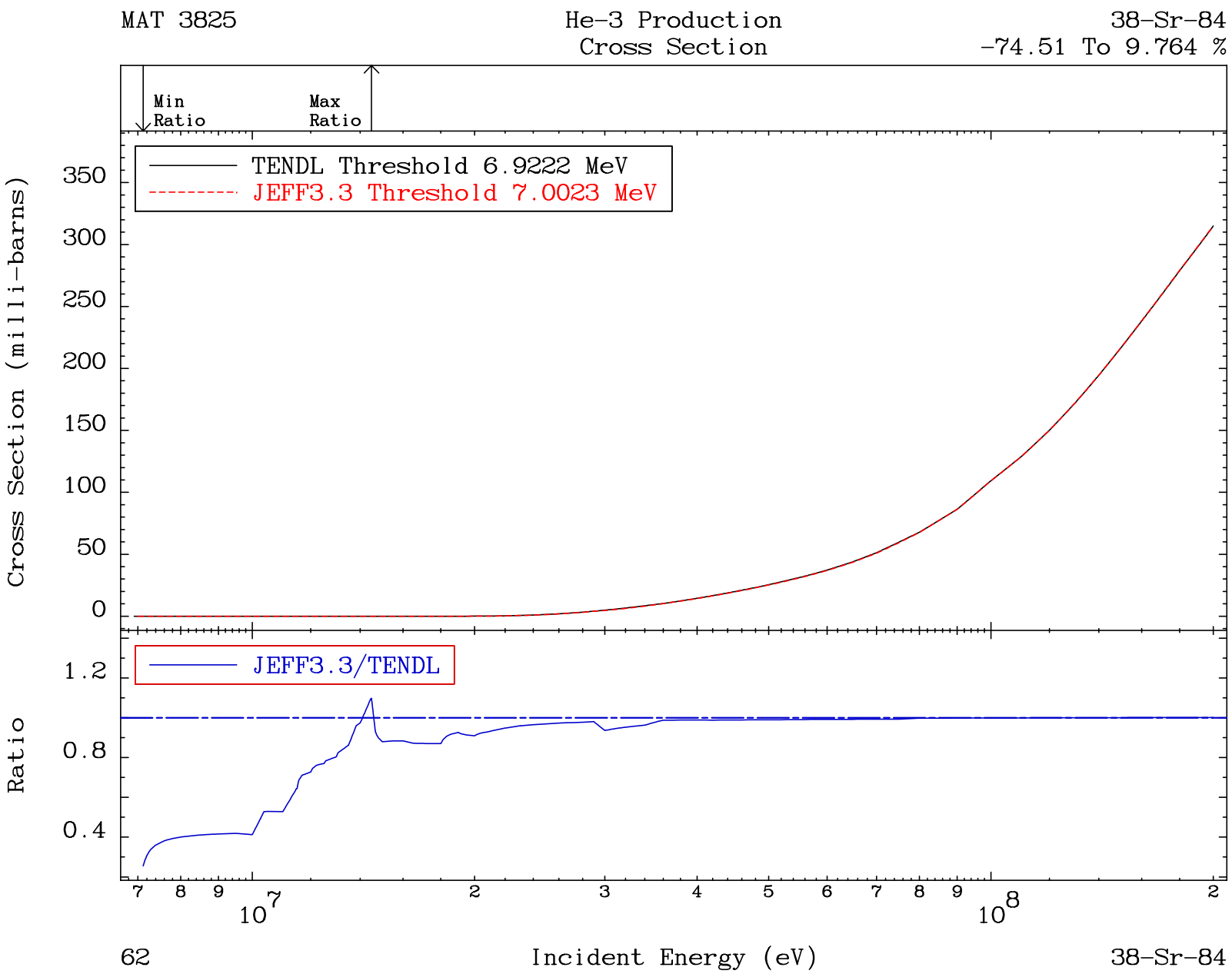

MAT 3825
(n,p) t
Cross Section
38-Sr-84
-4.134 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 17.327 MeV
JEFF3.3 Threshold 17.327 MeV
Cross Section (micro-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.00
0.98
0.96
2
3
4
5
6
7
8
9
10^8
2
57
Incident Energy (eV)
38-Sr-84

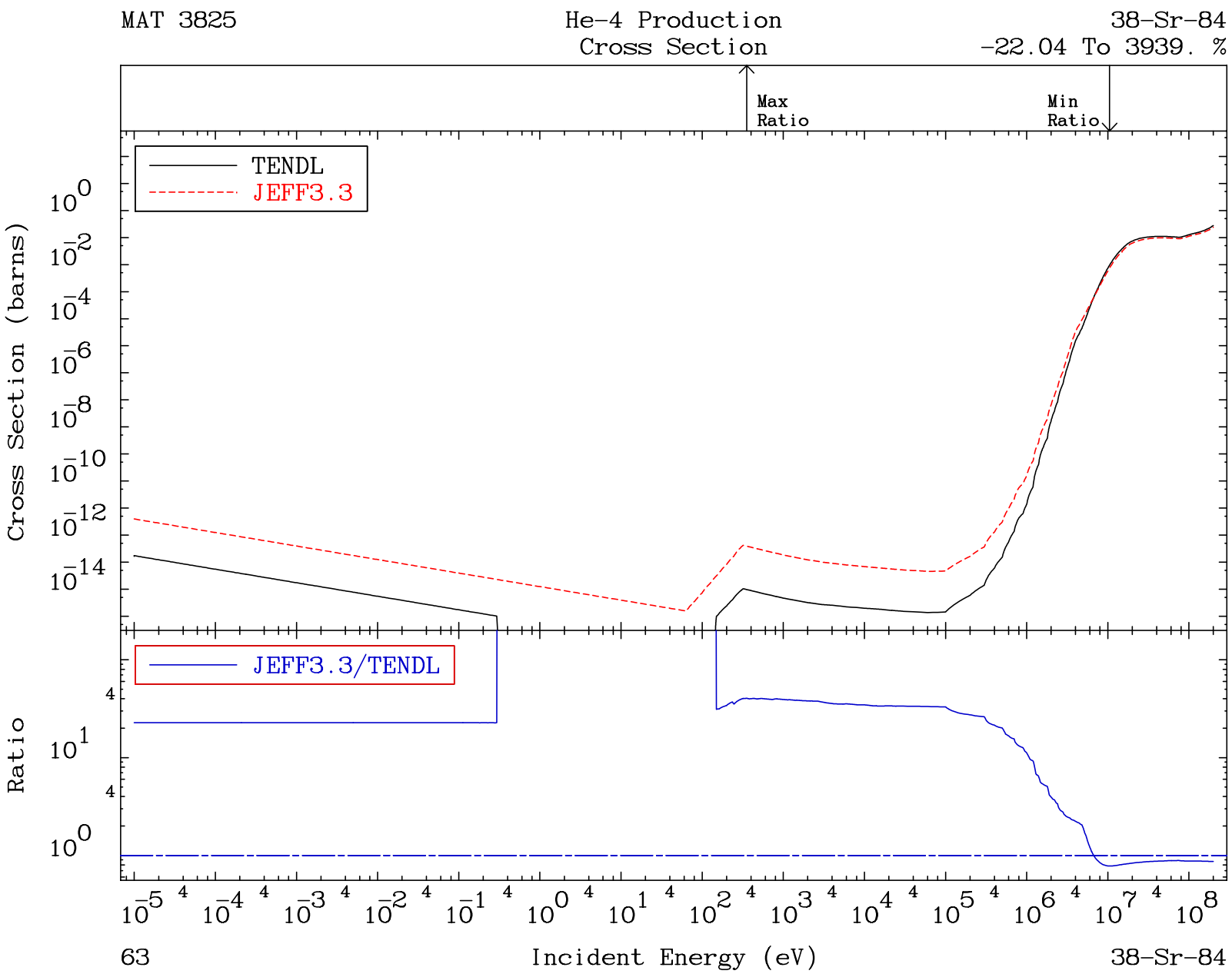

MAT 3825
(n,d) α
Cross Section
38-Sr-84
-11.49 To 1150. %
Max Ratio
Min Ratio
TENDL Threshold 12.216 MeV
JEFF3.3 Threshold 12.216 MeV
Cross Section (micro-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
58
38-Sr-84

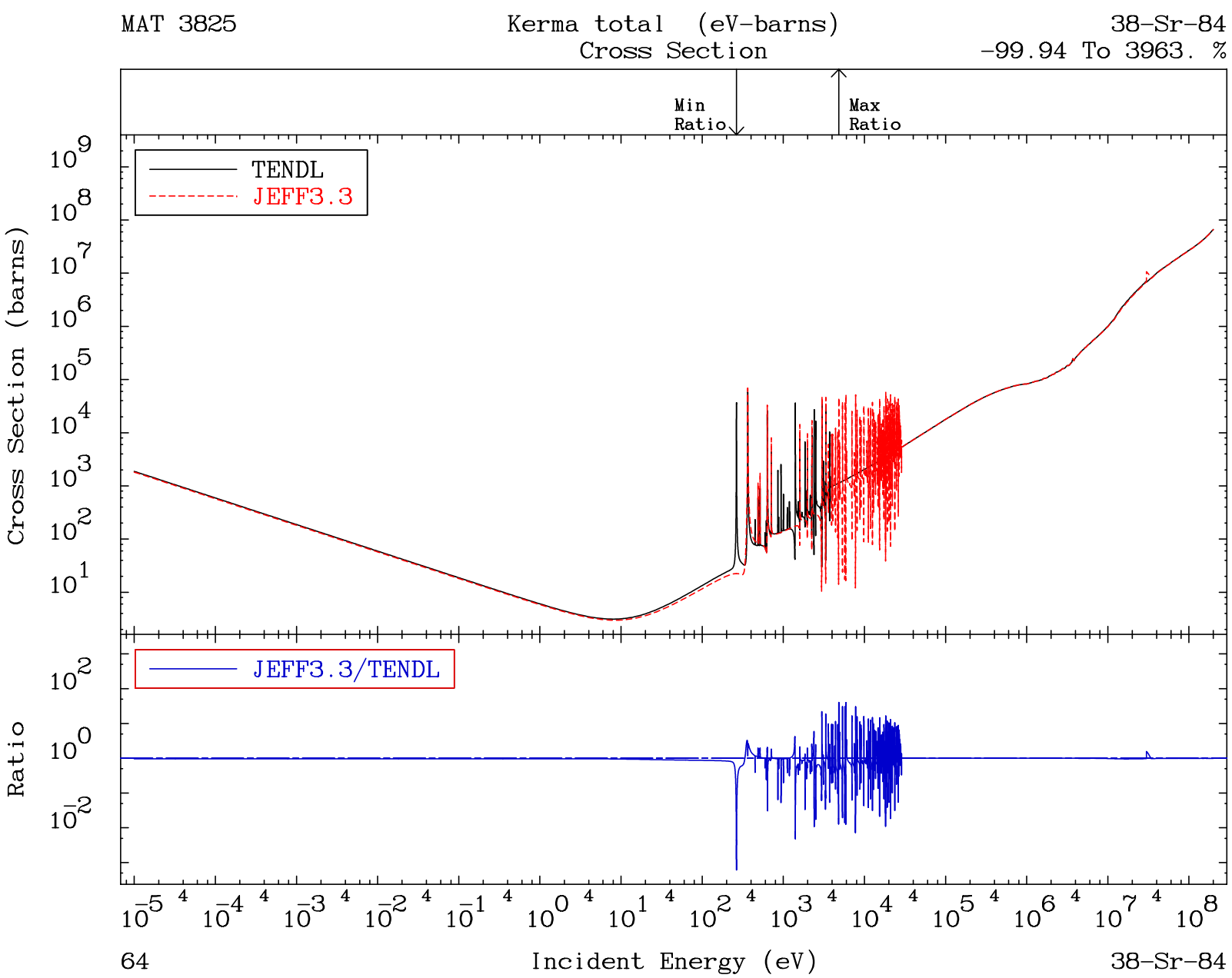

MAT 3825
Hydrogen Production
Cross Section
38-Sr-84
-0.269 To 1.295 %
Min
Ratio
Max
Ratio
TENDL Threshold 109.55 keV
JEFF3.3 Threshold 109.54 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
10^5
10^6
10^7
10^8
59
Incident Energy (eV)
38-Sr-84

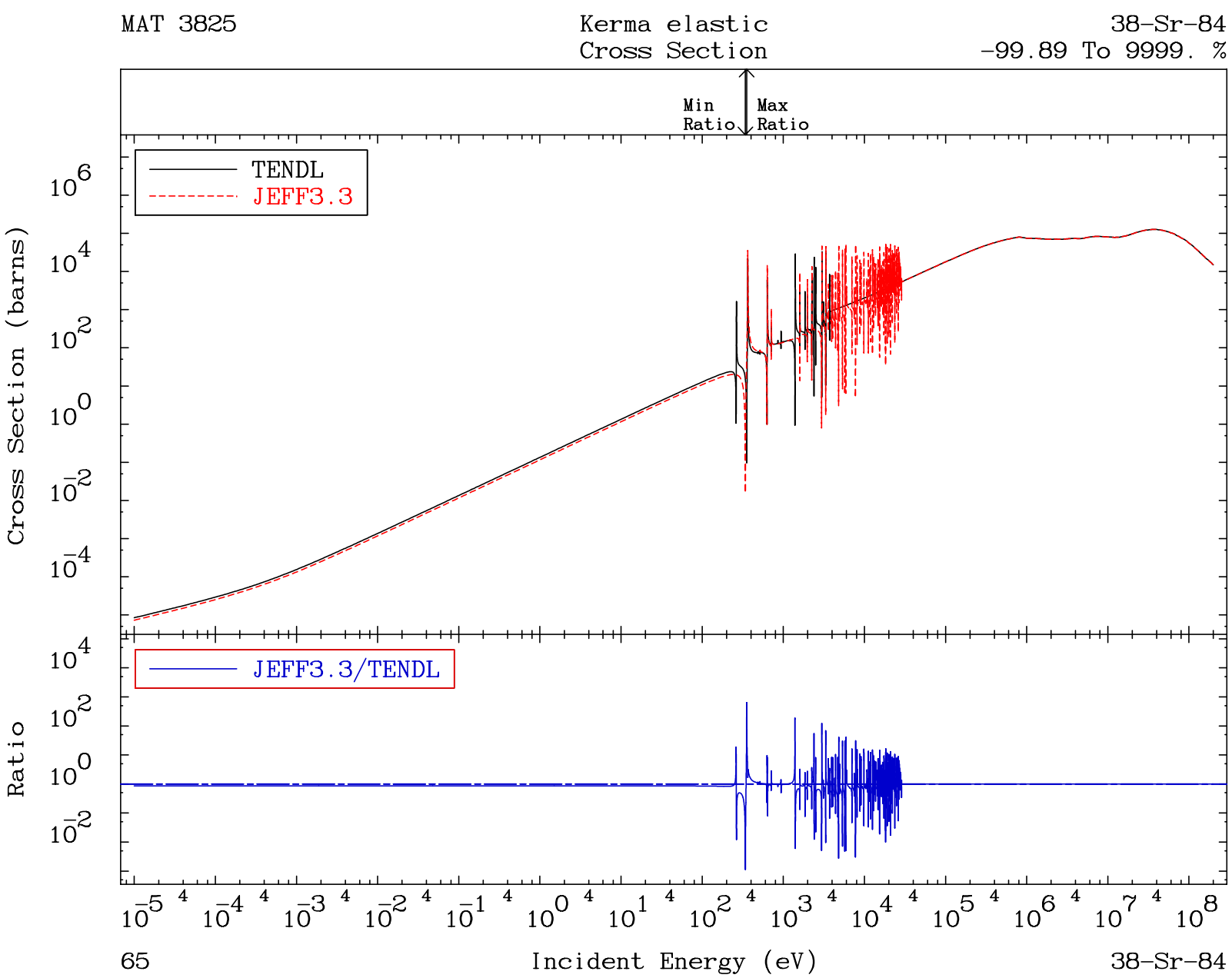

MAT 3825
Deuterium Production
Cross Section
38-Sr-84
-0.523 To 0.559 %
Max
Ratio
TENDL Threshold 6.7232 MeV
JEFF3.3 Threshold 6.7232 MeV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
60
Incident Energy (eV)
38-Sr-84

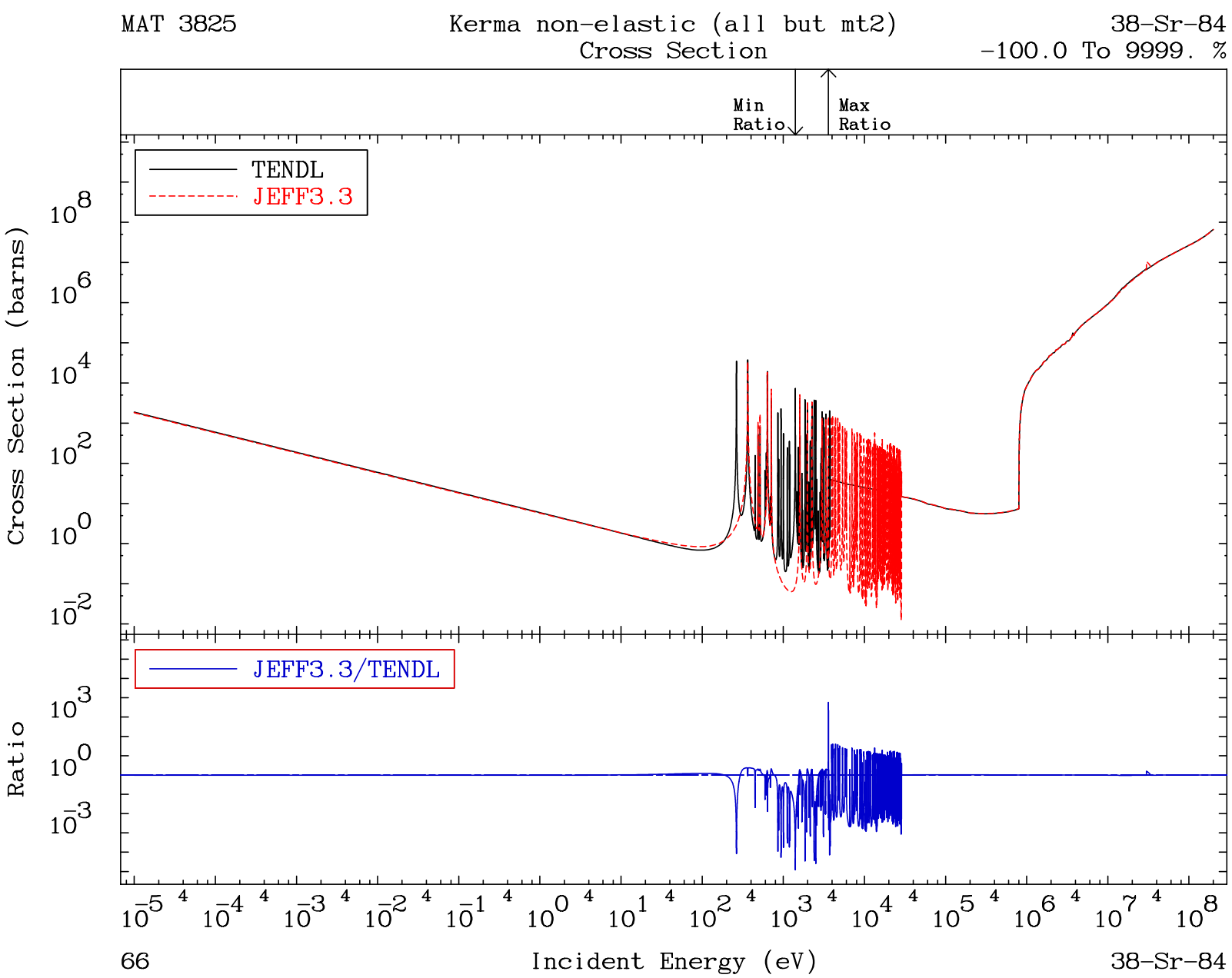

MAT 3825
Tritium Production
Cross Section
38-Sr-84
-0.814 To 0.741 %
Max
Ratio
Min
Ratio
TENDL Threshold 11.477 MeV
JEFF3.3 Threshold 11.477 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
61
Incident Energy (eV)
38-Sr-84

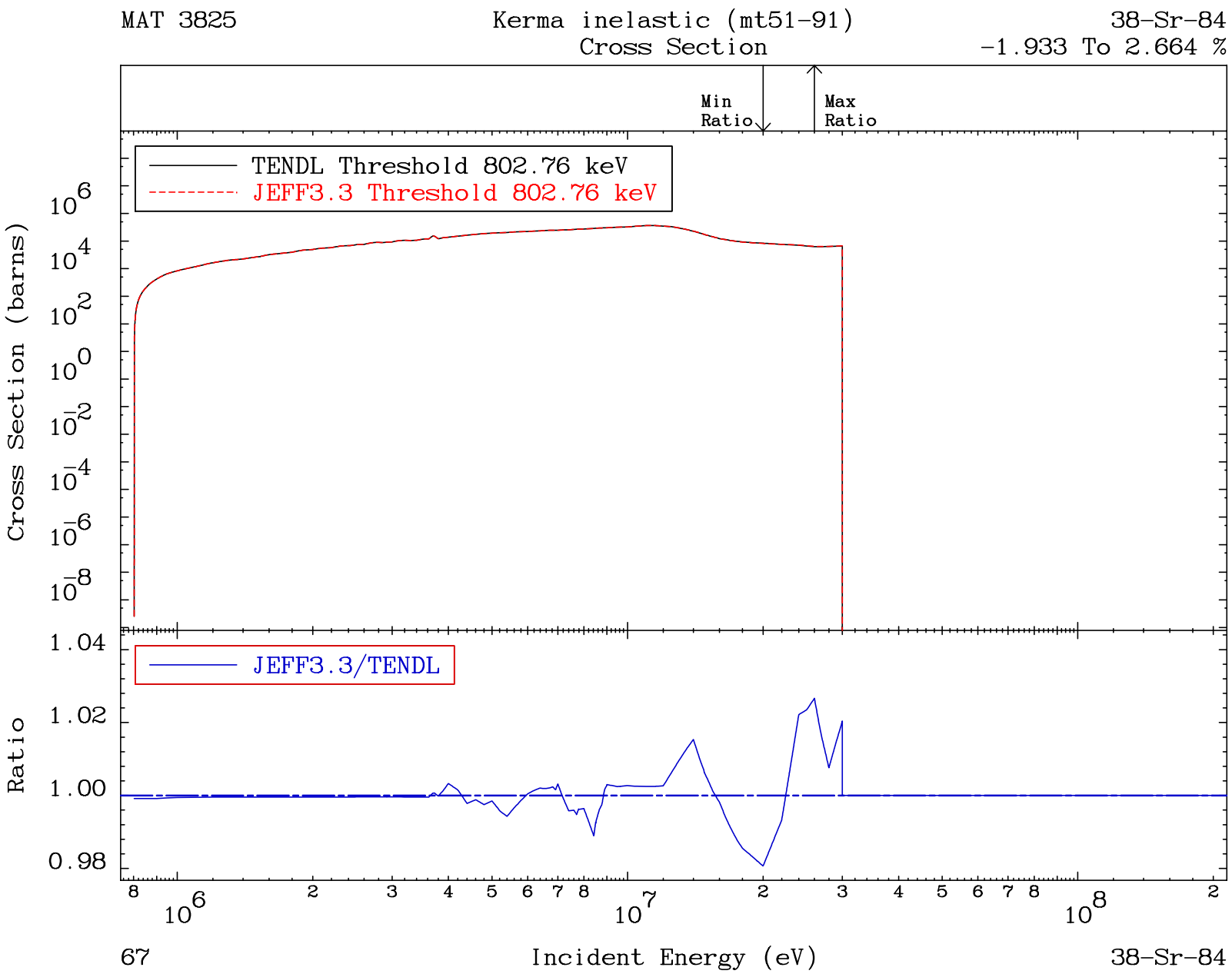

MAT 3825
He-3 Production
Cross Section
38-Sr-84
-74.51 To 9.764 %
Min Ratio
Max Ratio
TENDL Threshold 6.9222 MeV
JEFF3.3 Threshold 7.0023 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.2
0.8
0.4
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
62
Incident Energy (eV)
38-Sr-84

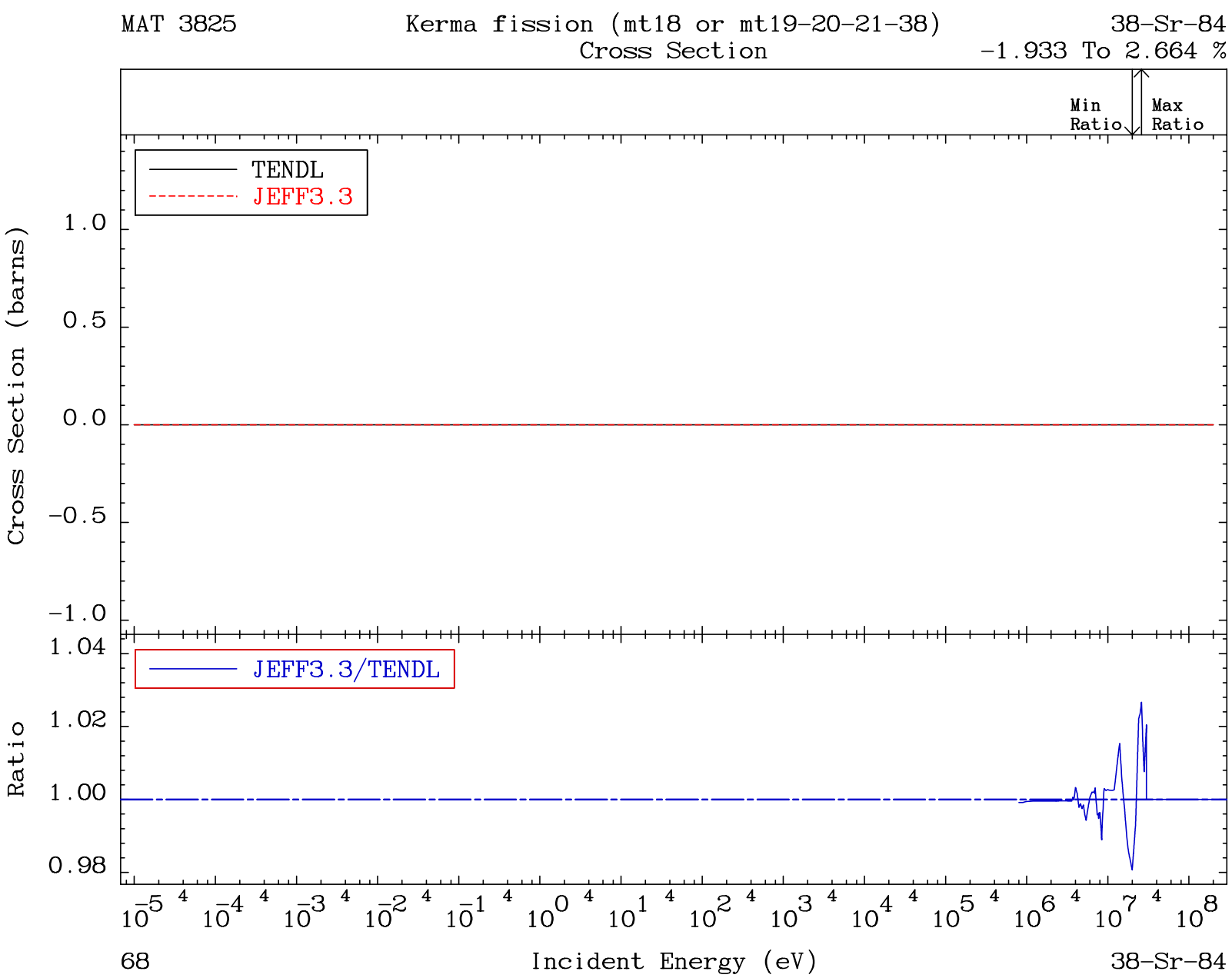

MAT 3825
He-4 Production
Cross Section
38-Sr-84
-22.04 To 3939. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
63
Incident Energy (eV)
38-Sr-84

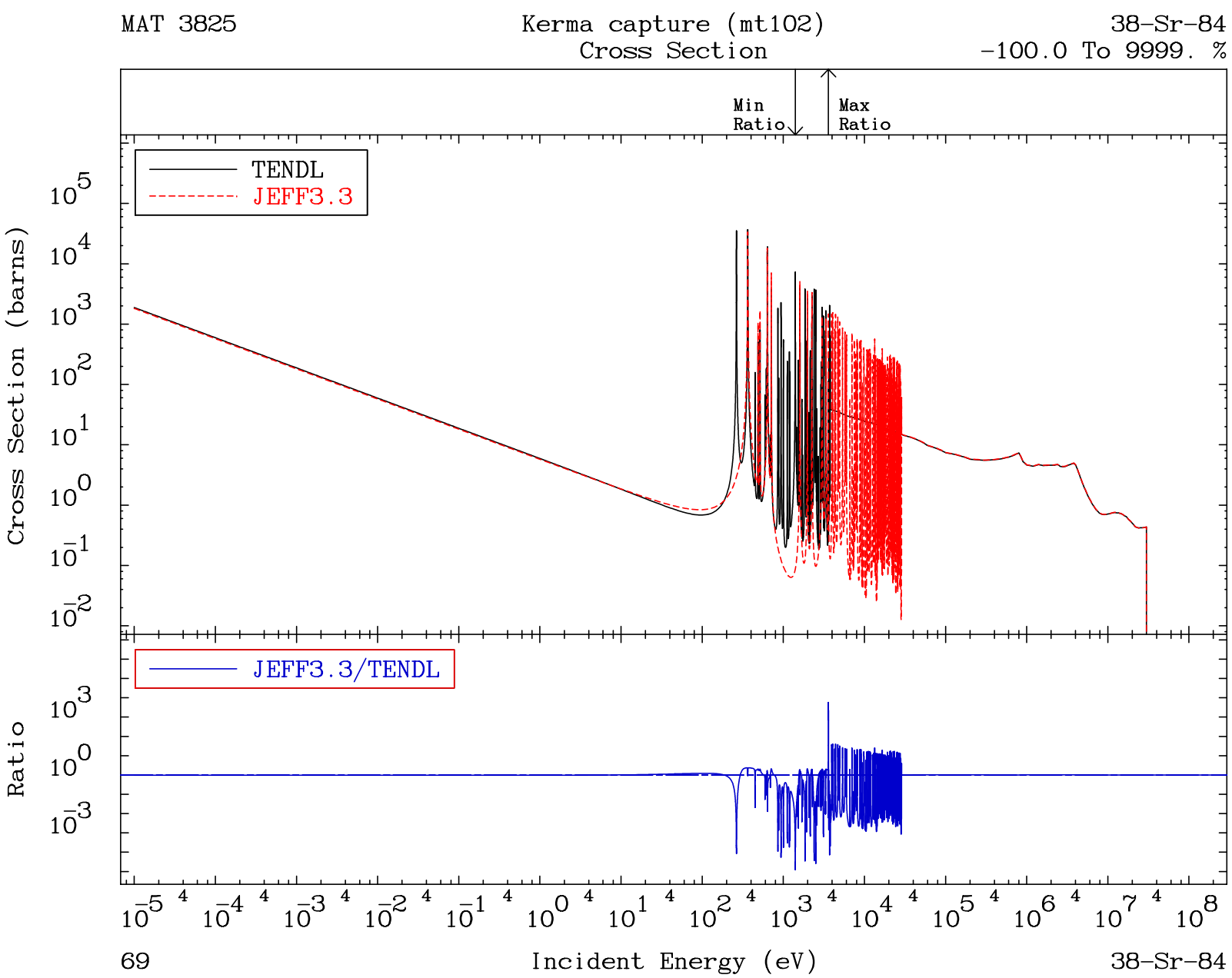

MAT 3825
Kerma total (eV-barns)
Cross Section
38-Sr-84
-99.94 To 3963. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
64
38-Sr-84

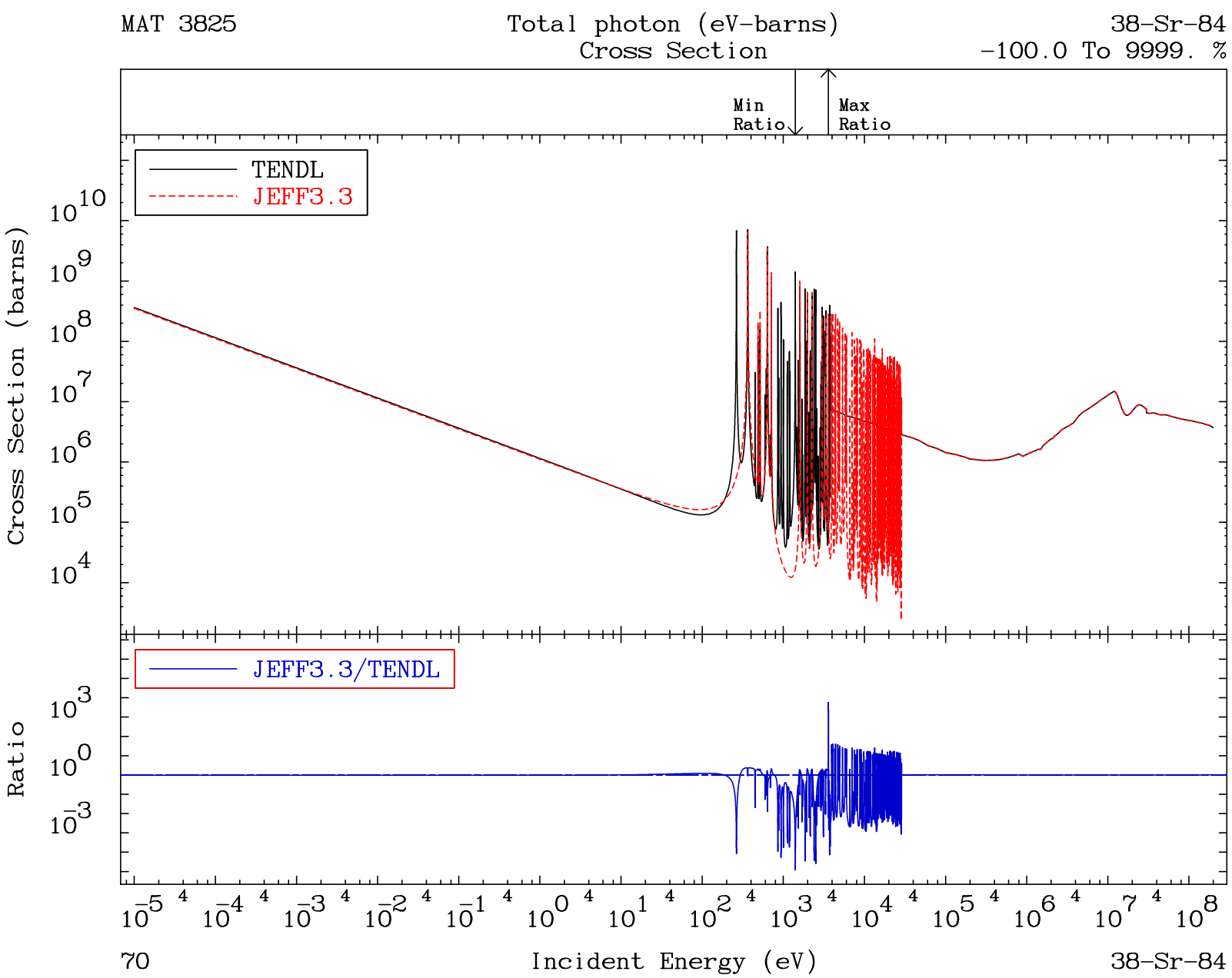

MAT 3825
Kerma elastic
Cross Section
38-Sr-84
-99.89 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
65
38-Sr-84

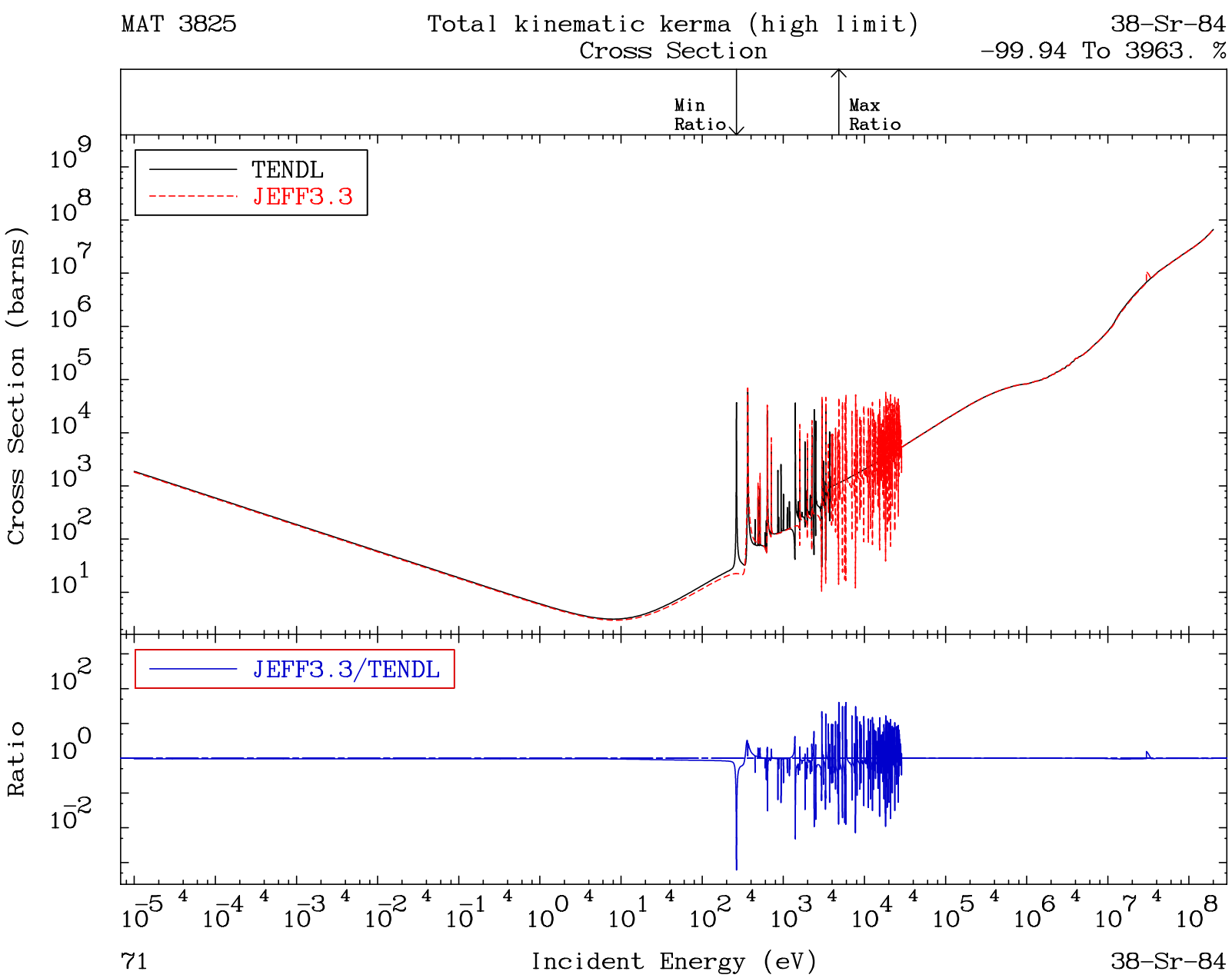

MAT 3825
Kerma non-elastic (all but mt2)
Cross Section
38-Sr-84
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
66
38-Sr-84

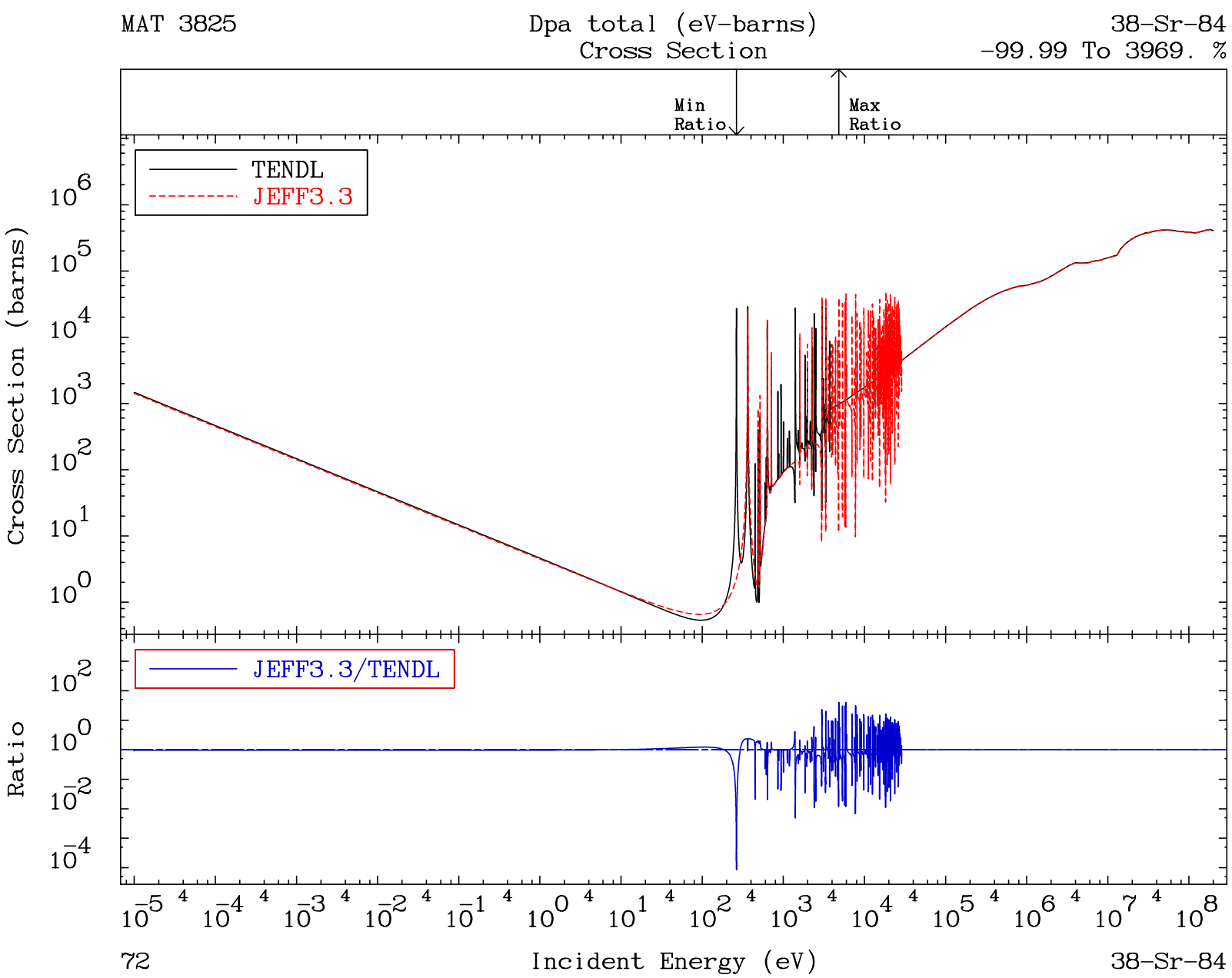

MAT 3825
Kerma inelastic (mt51-91)
Cross Section
38-Sr-84
-1.933 To 2.664 %
Min Ratio
Max Ratio
TENDL Threshold 802.76 keV
JEFF3.3 Threshold 802.76 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
67
38-Sr-84

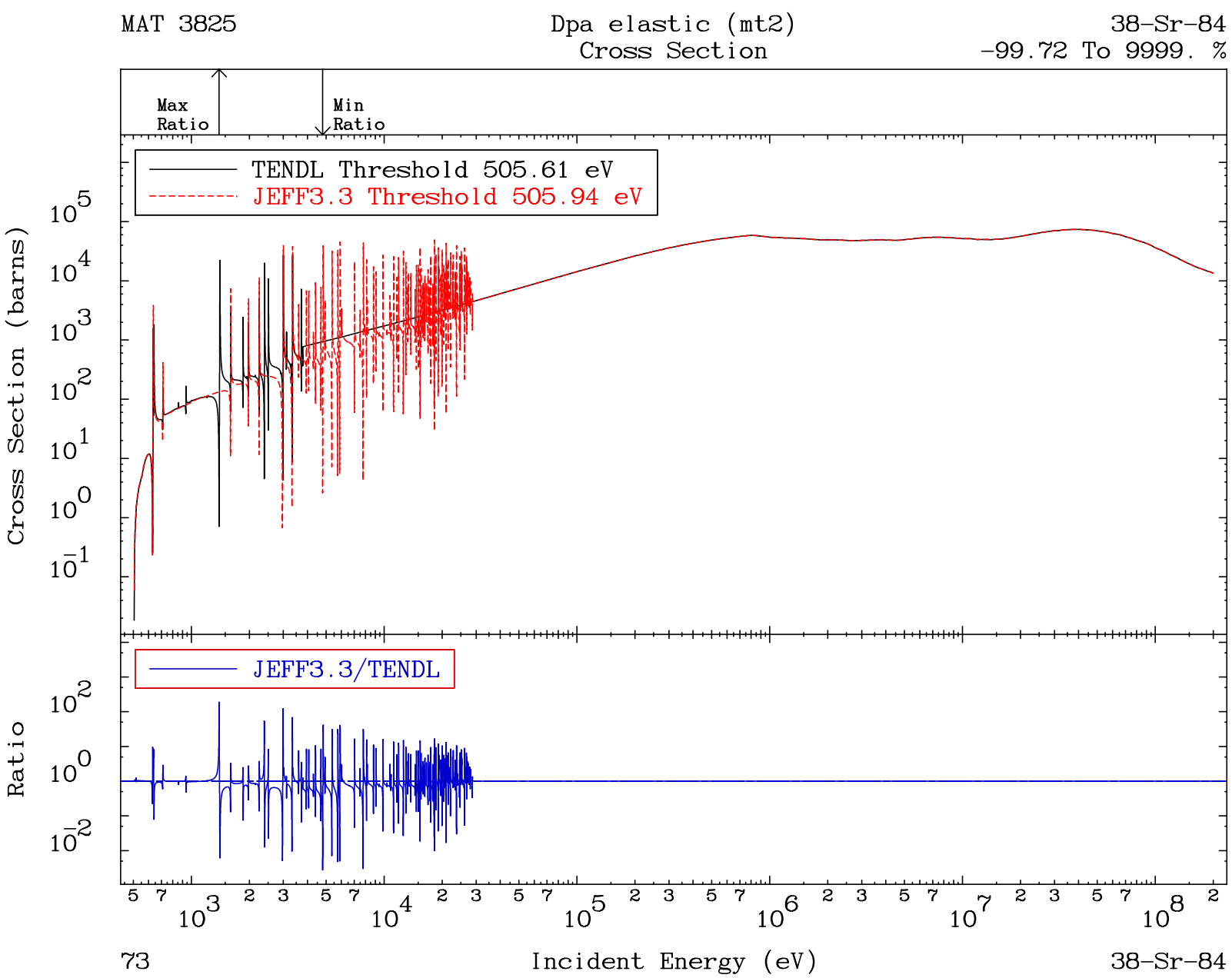

MAT 3825
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
38-Sr-84
-1.933 To 2.664 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
0.98
10-5 4 10-4 4 10-3 4 10-2 4 10-1 4 100 4 101 4 102 4 103 4 104 4 105 4 106 4 107 4 108
68
Incident Energy (eV)
38-Sr-84

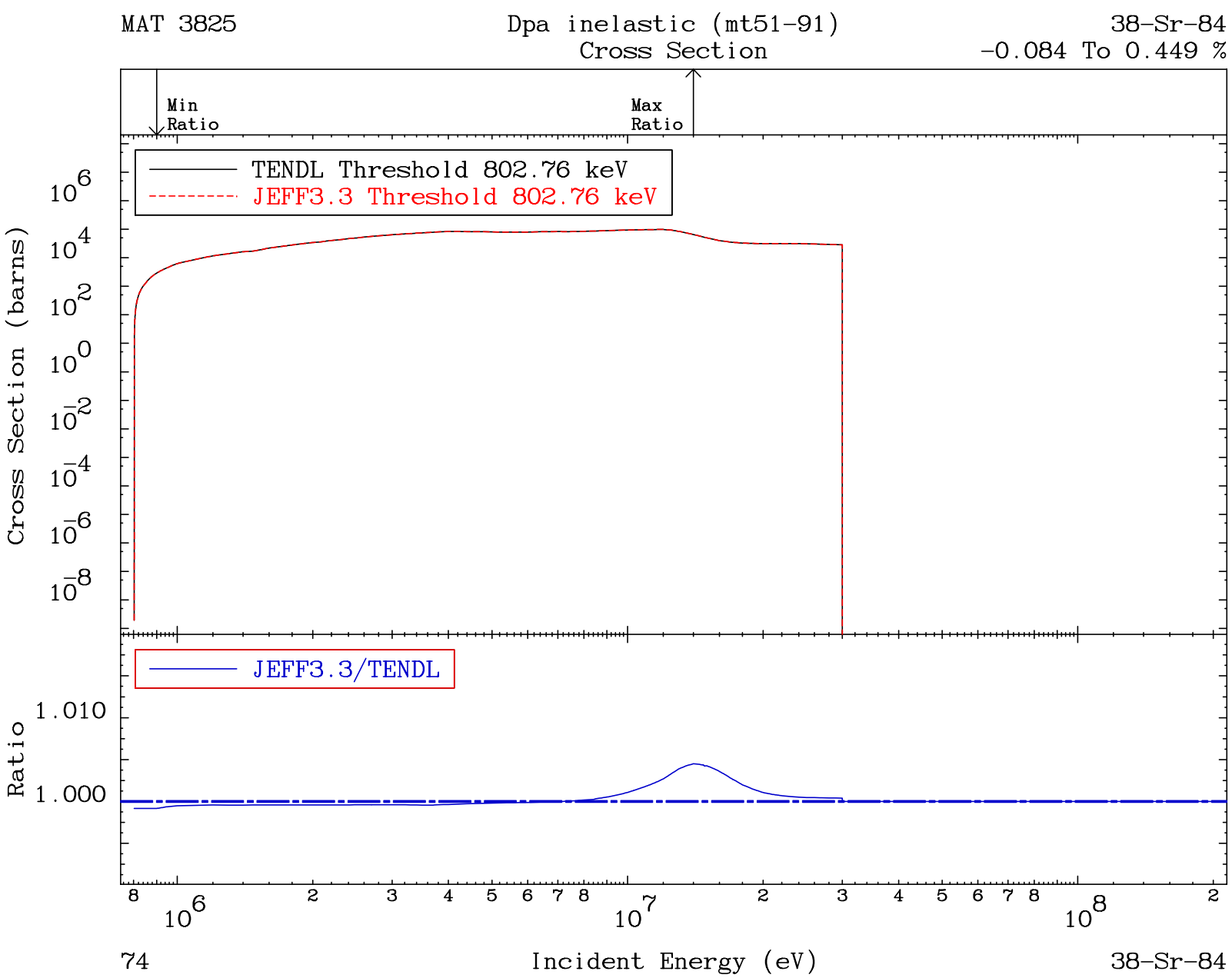

MAT 3825
Kerma capture (mt102)
Cross Section
38-Sr-84
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
69
38-Sr-84

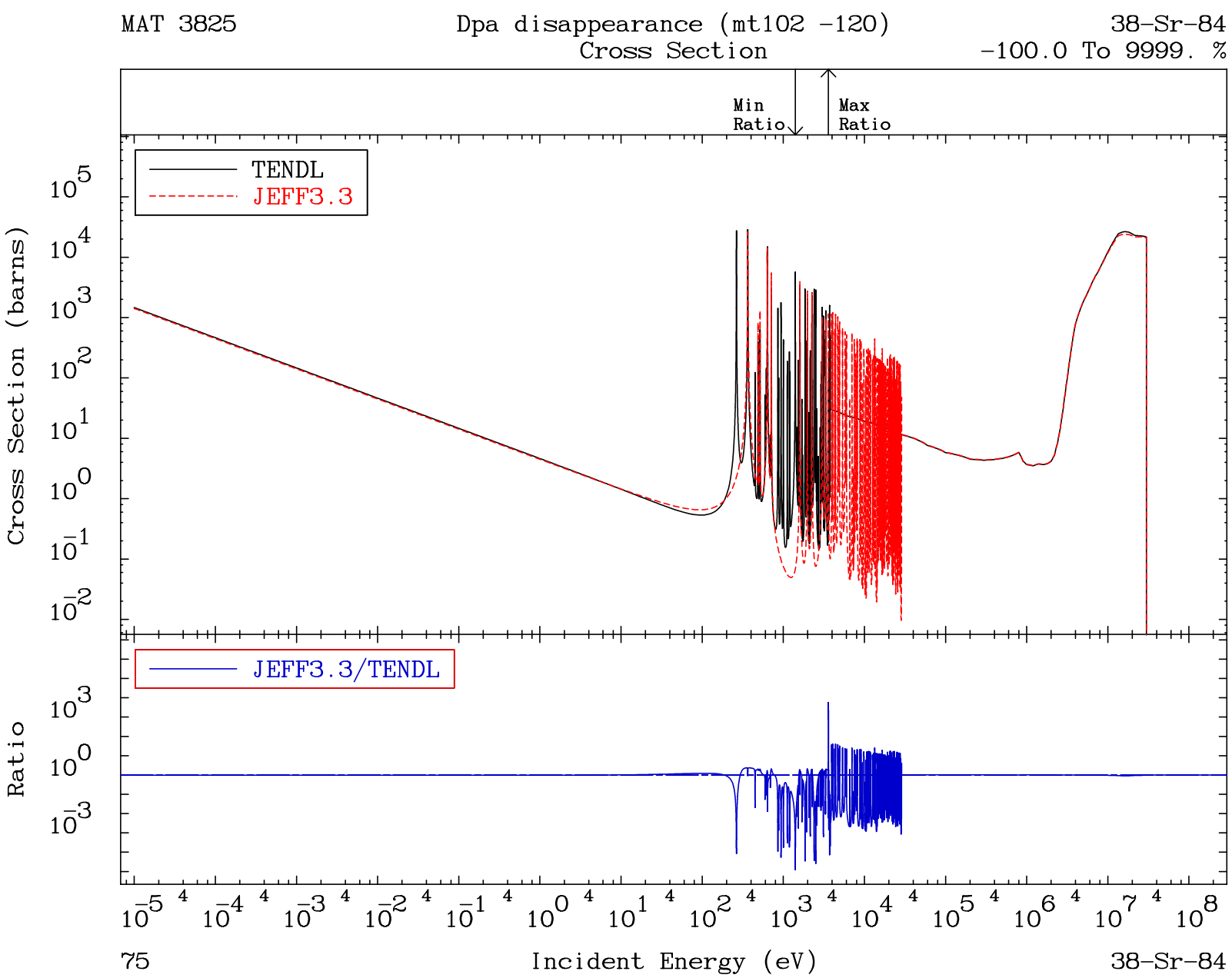

MAT 3825
Total photon (eV-barns)
Cross Section
38-Sr-84
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
70
38-Sr-84

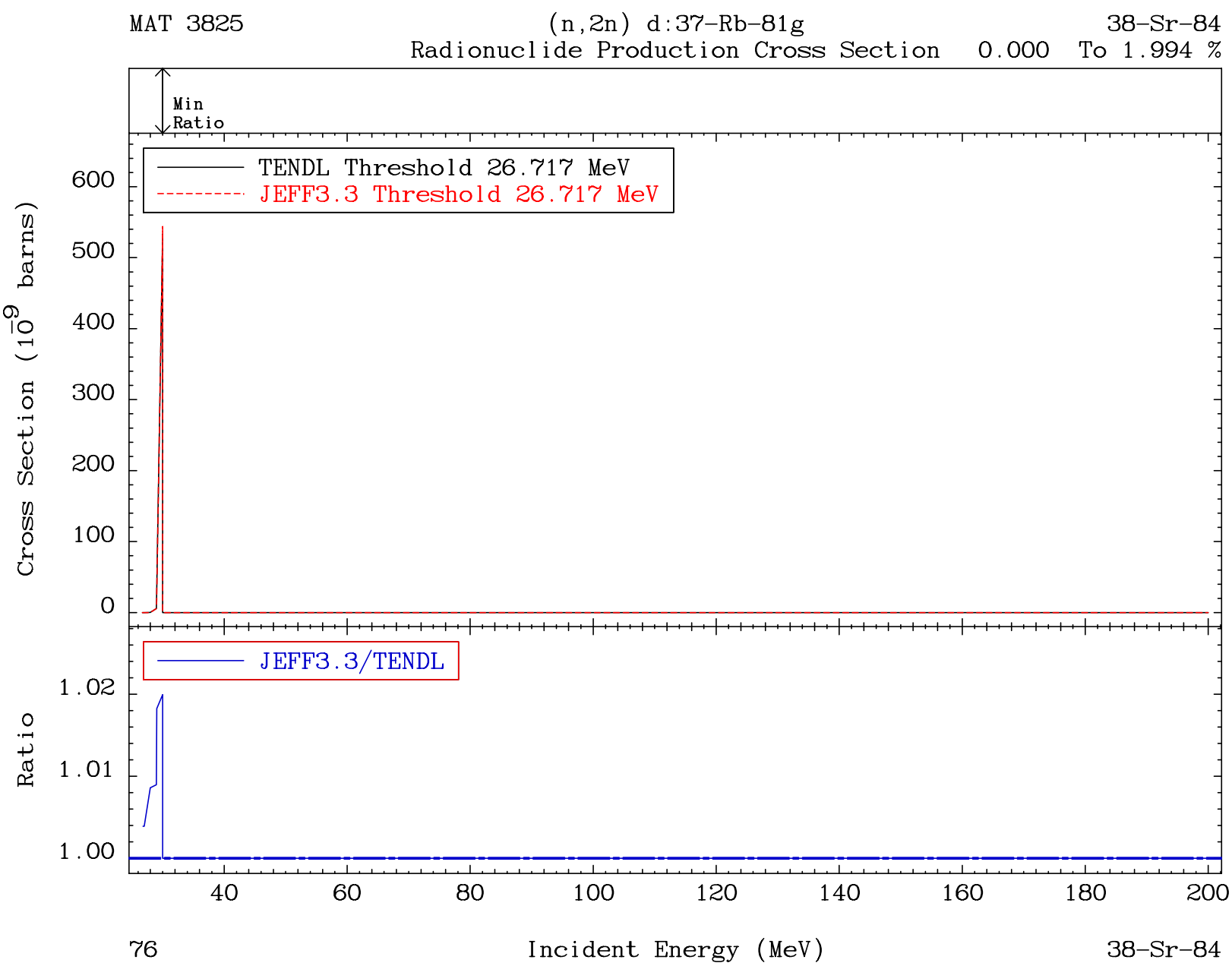

MAT 3825
Total kinematic kerma (high limit)
Cross Section
38-Sr-84
-99.94 To 3963. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
71
38-Sr-84

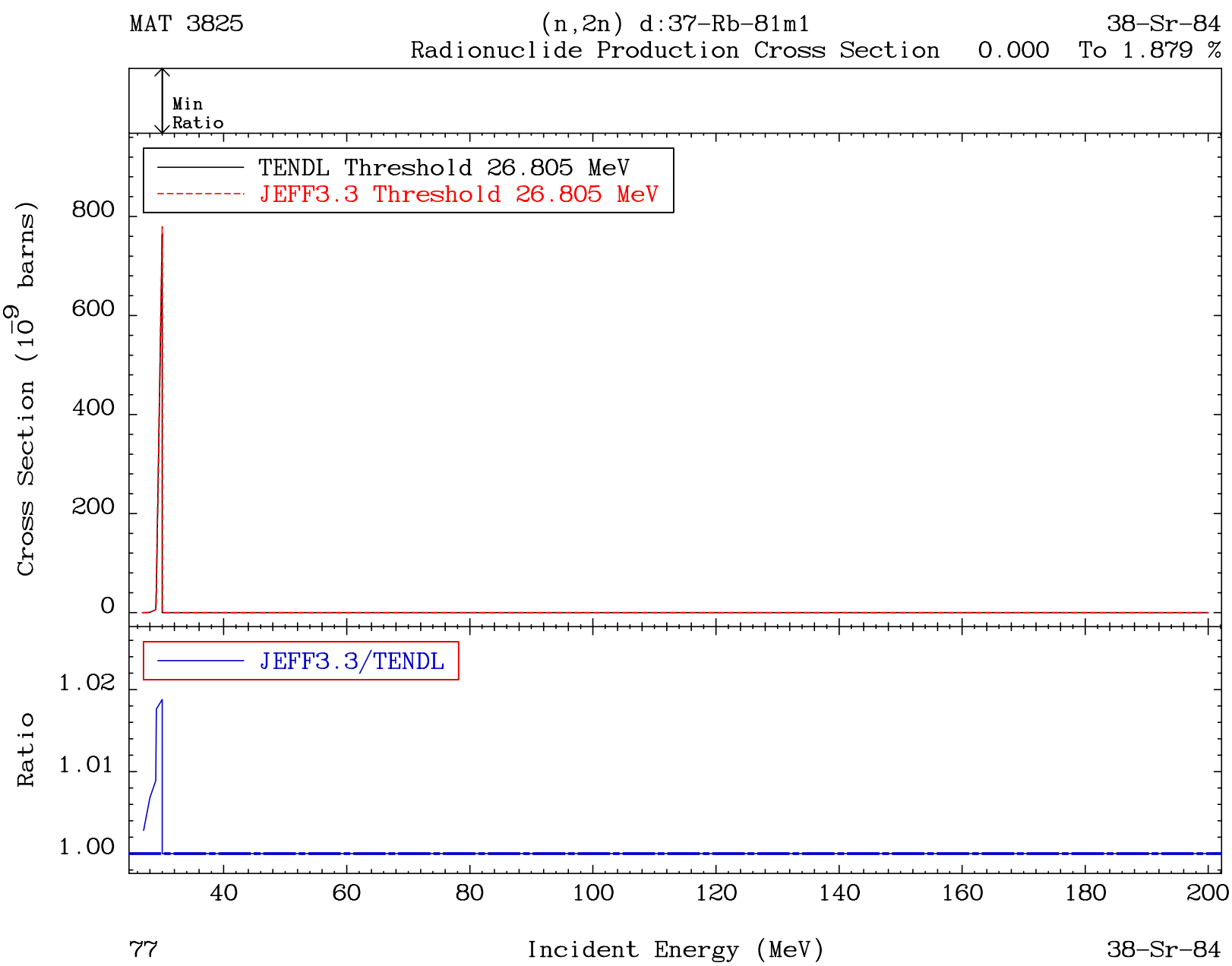

MAT 3825
Dpa total (eV-barns)
Cross Section
38-Sr-84
-99.99 To 3969. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
72
38-Sr-84

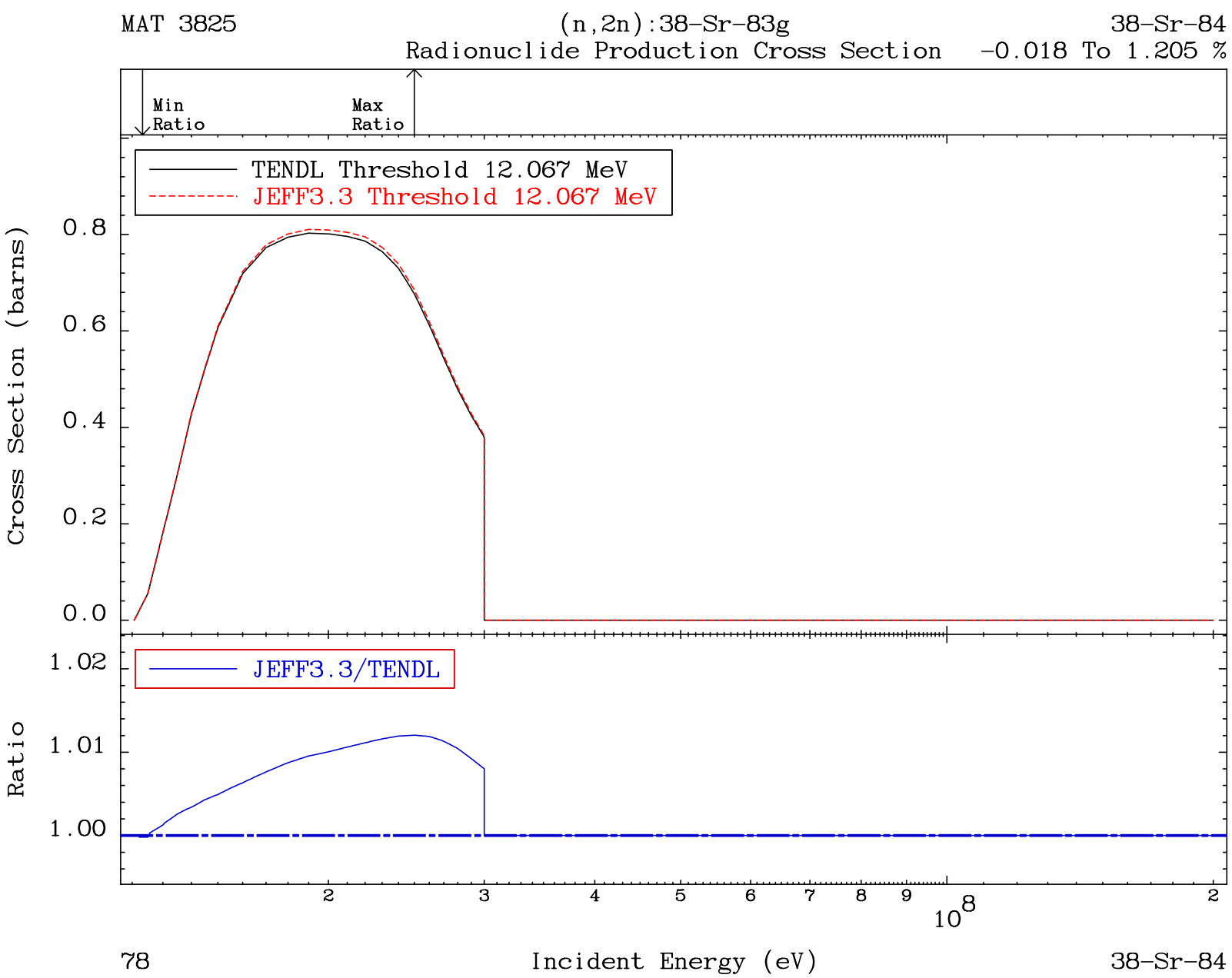

MAT 3825
Dpa elastic (mt2)
Cross Section
38-Sr-84
-99.72 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 505.61 eV
JEFF3.3 Threshold 505.94 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
73
38-Sr-84

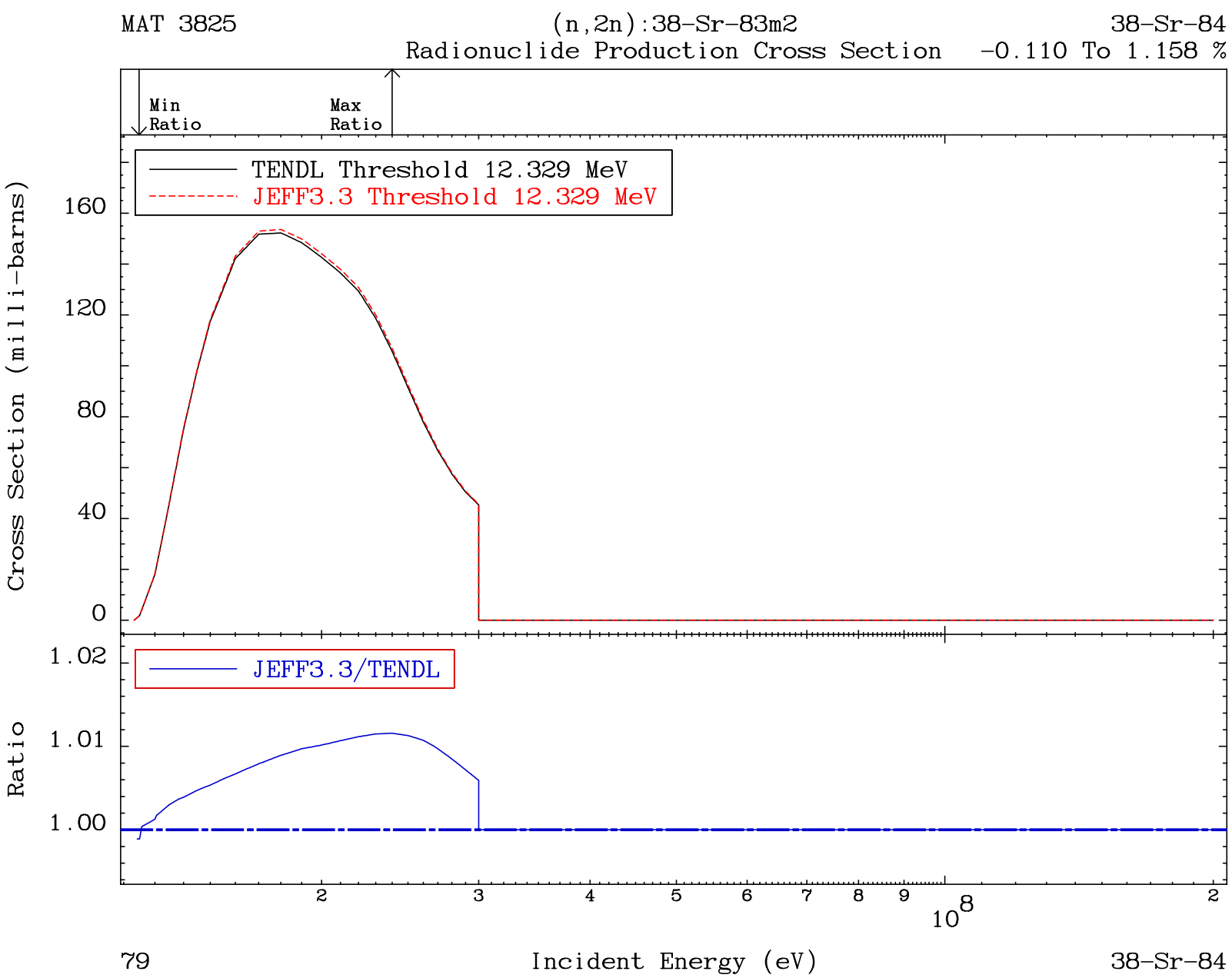

MAT 3825
Dpa inelastic (mt51-91)
Cross Section
38-Sr-84
-0.084 To 0.449 %
Min Ratio
Max Ratio
TENDL Threshold 802.76 keV
JEFF3.3 Threshold 802.76 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
1.010
1.000
Incident Energy (eV)
74
38-Sr-84

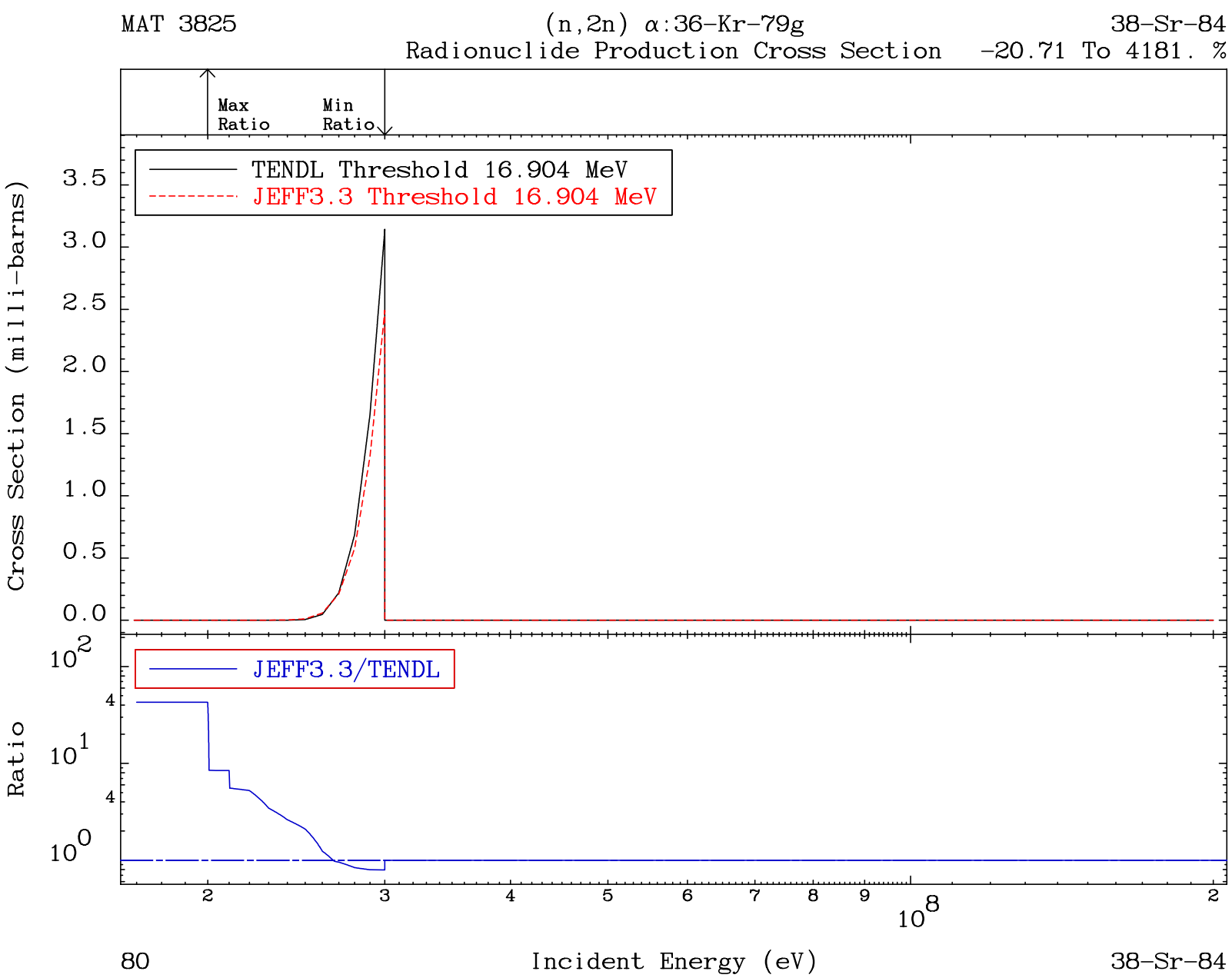

MAT 3825
Dpa disappearance (mt102 -120)
Cross Section
38-Sr-84
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
75
38-Sr-84

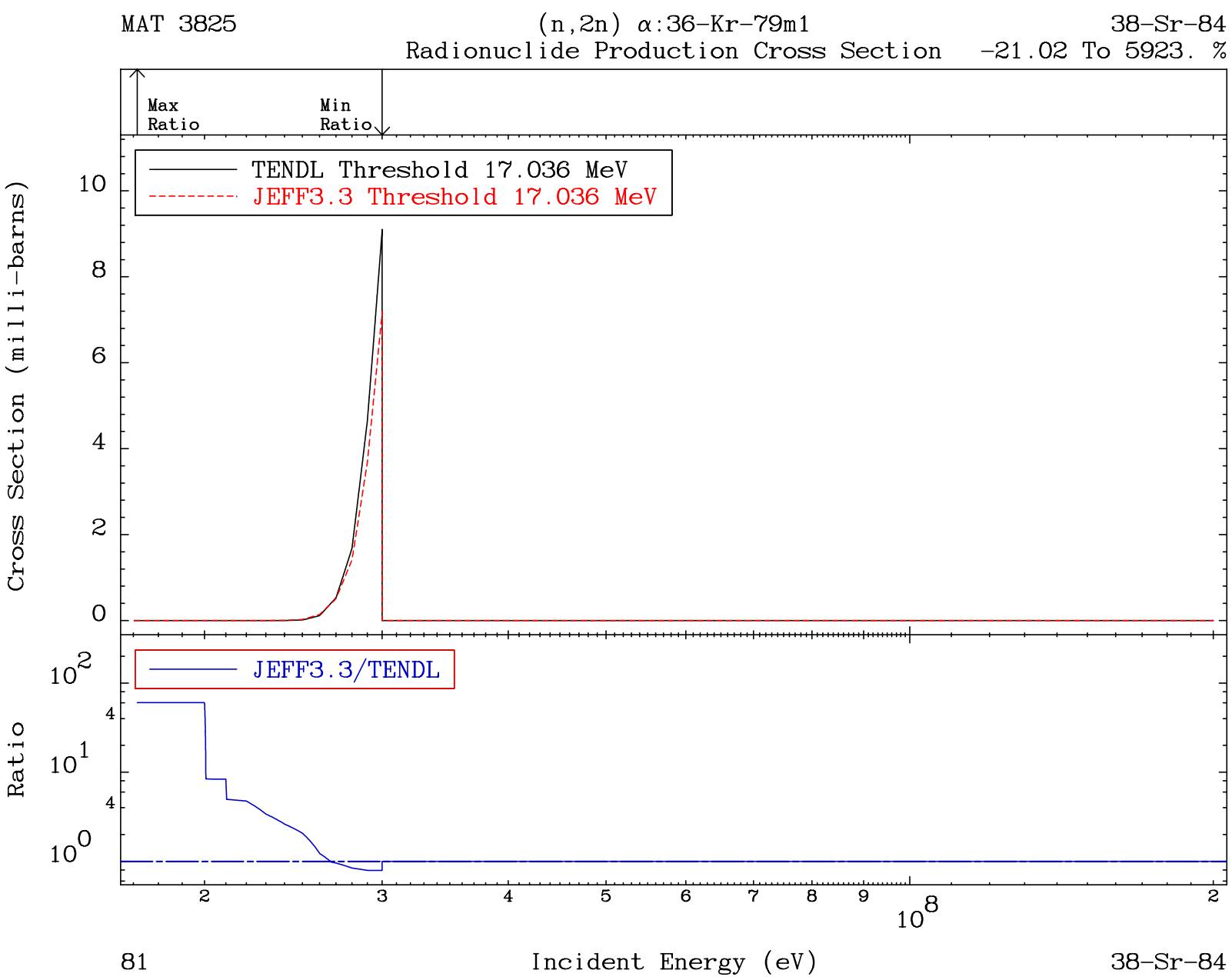

MAT 3825
(n,2n) d:37-Rb-81g
38-Sr-84
Radionuclide Production Cross Section 0.000 To 1.994 %
Min Ratio
TENDL Threshold 26.717 MeV
JEFF3.3 Threshold 26.717 MeV
Cross Section (10^{-9} barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
40
60
80
100
120
140
160
180
200
76
Incident Energy (MeV)
38-Sr-84

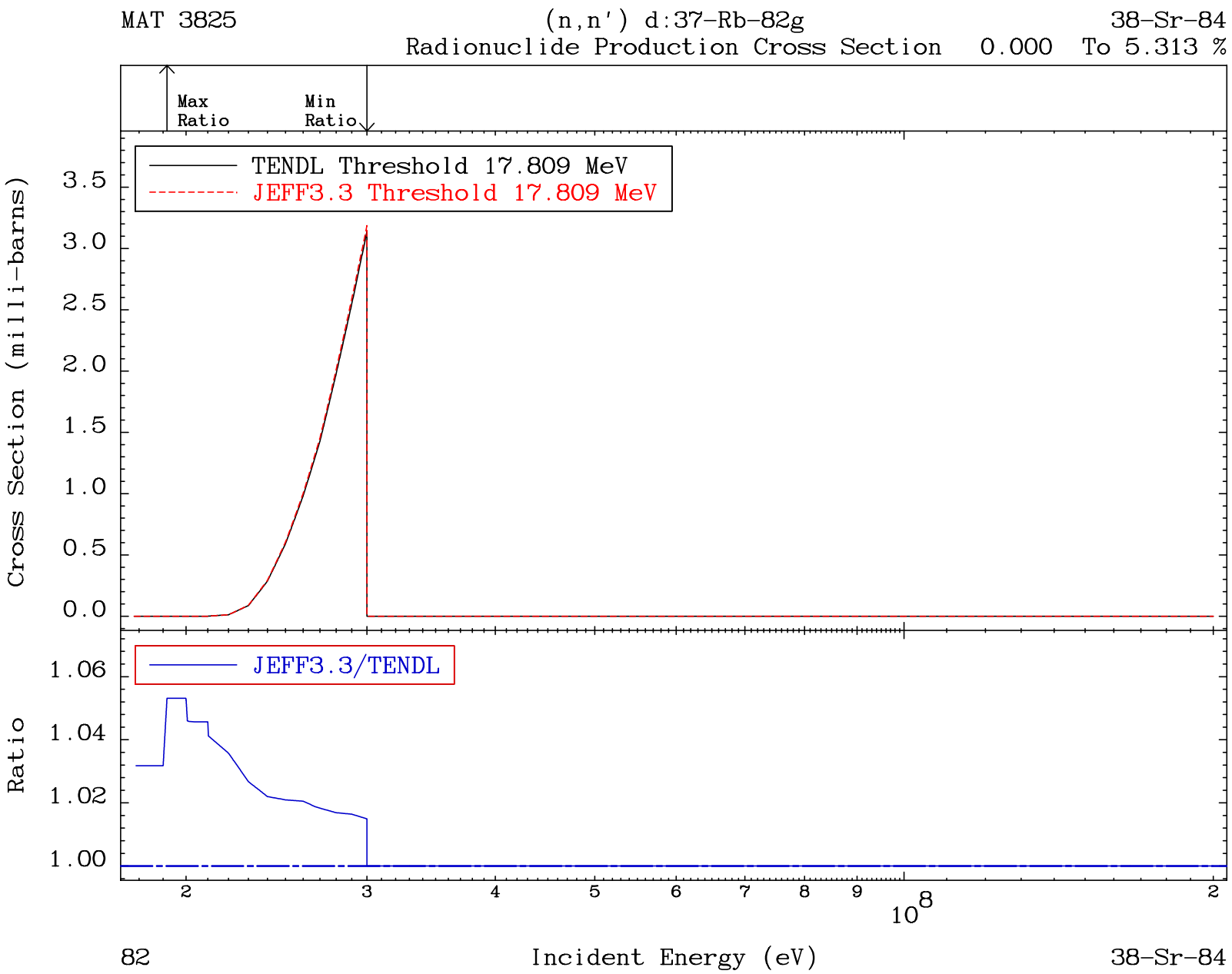

MAT 3825
(n,2n) d:37-Rb-81m1
38-Sr-84
Radionuclide Production Cross Section 0.000 To 1.879 %
Min Ratio
TENDL Threshold 26.805 MeV
JEFF3.3 Threshold 26.805 MeV
Cross Section (10^{-9} barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
40
60
80
100
120
140
160
180
200
77
Incident Energy (MeV)
38-Sr-84

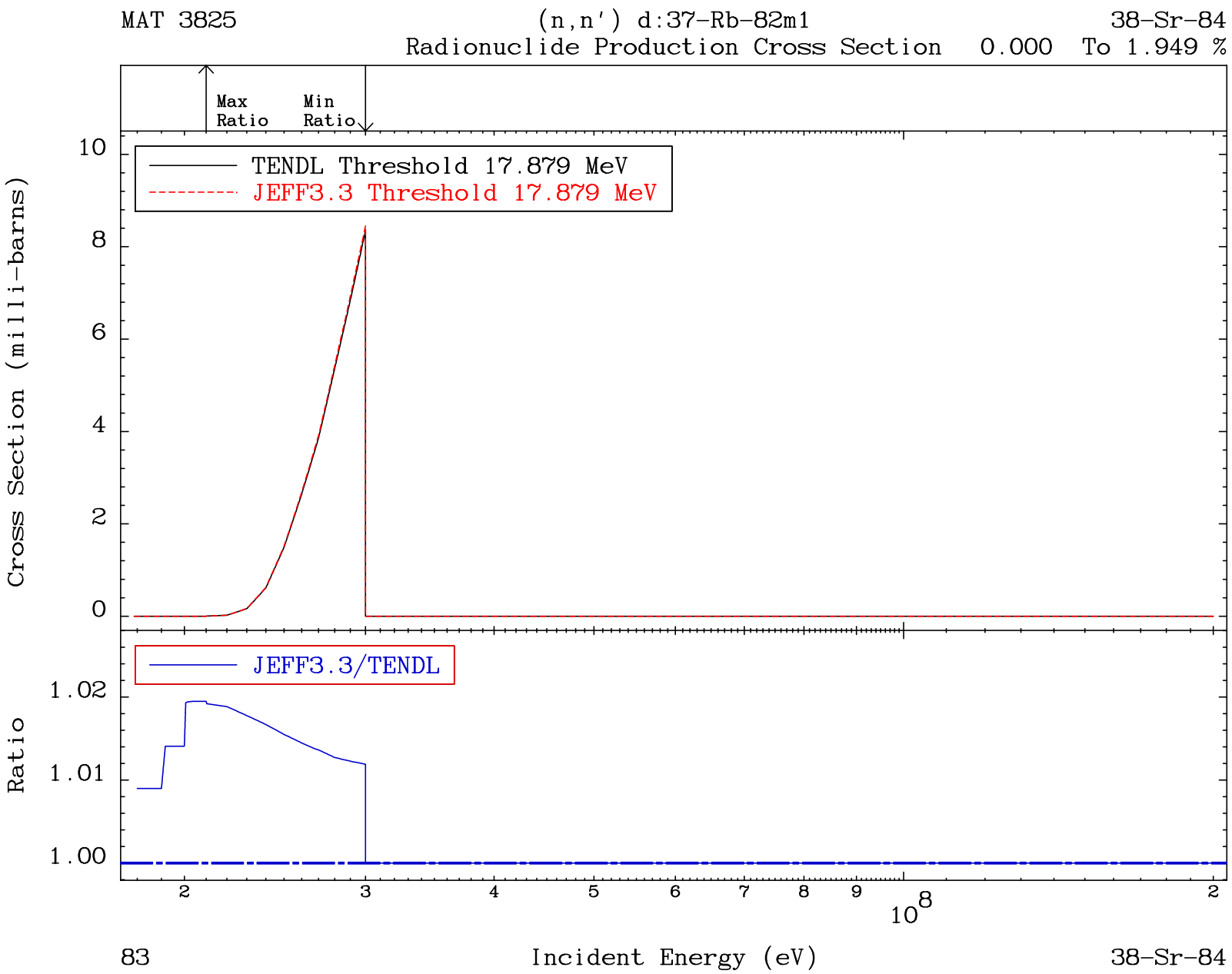

MAT 3825
(n,2n):38-Sr-83g
38-Sr-84
Radionuclide Production Cross Section
-0.018 To 1.205 %
Min Ratio
Max Ratio
TENDL Threshold 12.067 MeV
JEFF3.3 Threshold 12.067 MeV
Cross Section (barns)
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
78
Incident Energy (eV)
38-Sr-84

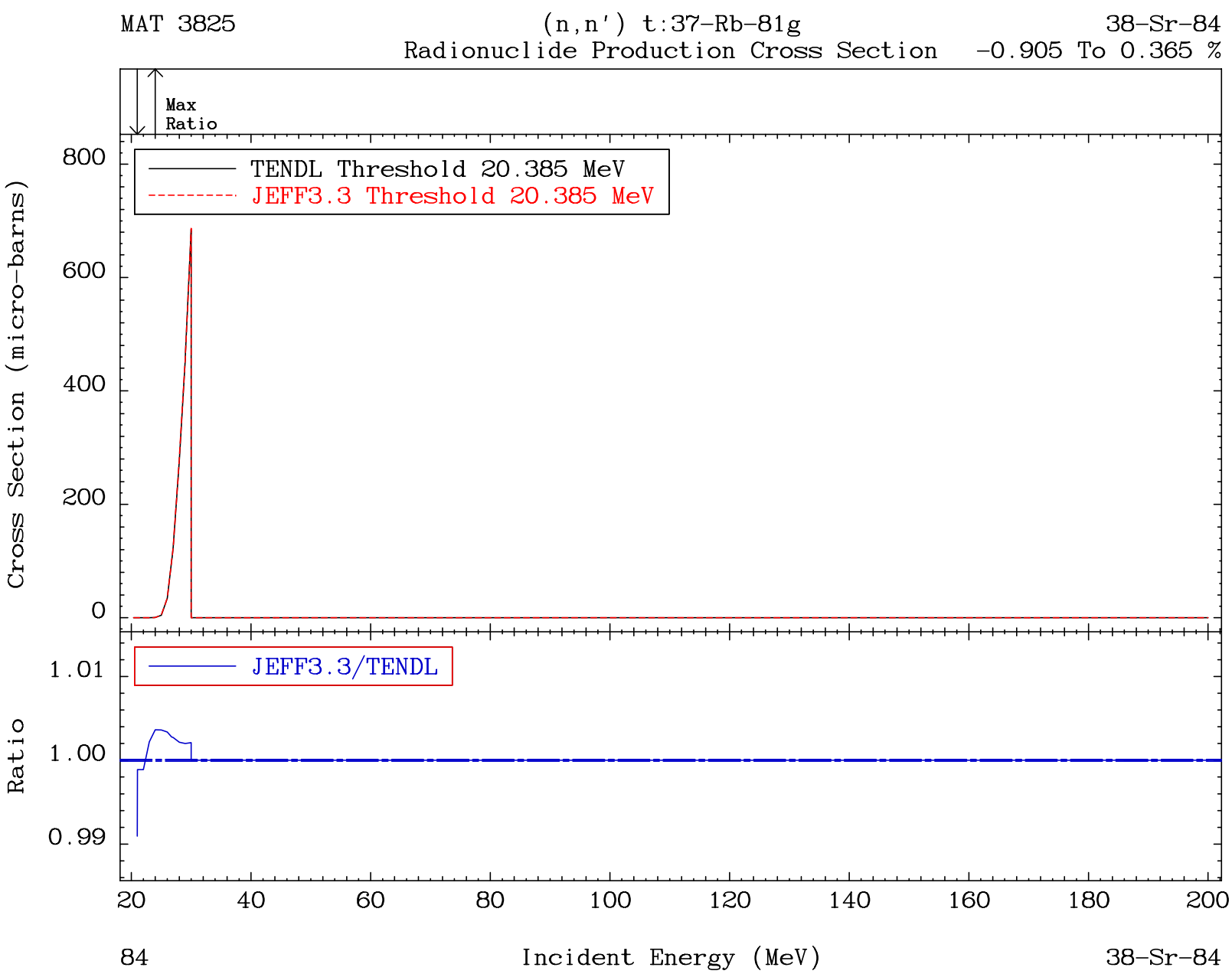

MAT 3825
(n,2n):38-Sr-83m2
38-Sr-84
Radionuclide Production Cross Section -0.110 To 1.158 %
Min Ratio
Max Ratio
TENDL Threshold 12.329 MeV
JEFF3.3 Threshold 12.329 MeV
Cross Section (milli-barns)
160
120
80
40
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
79
Incident Energy (eV)
38-Sr-84

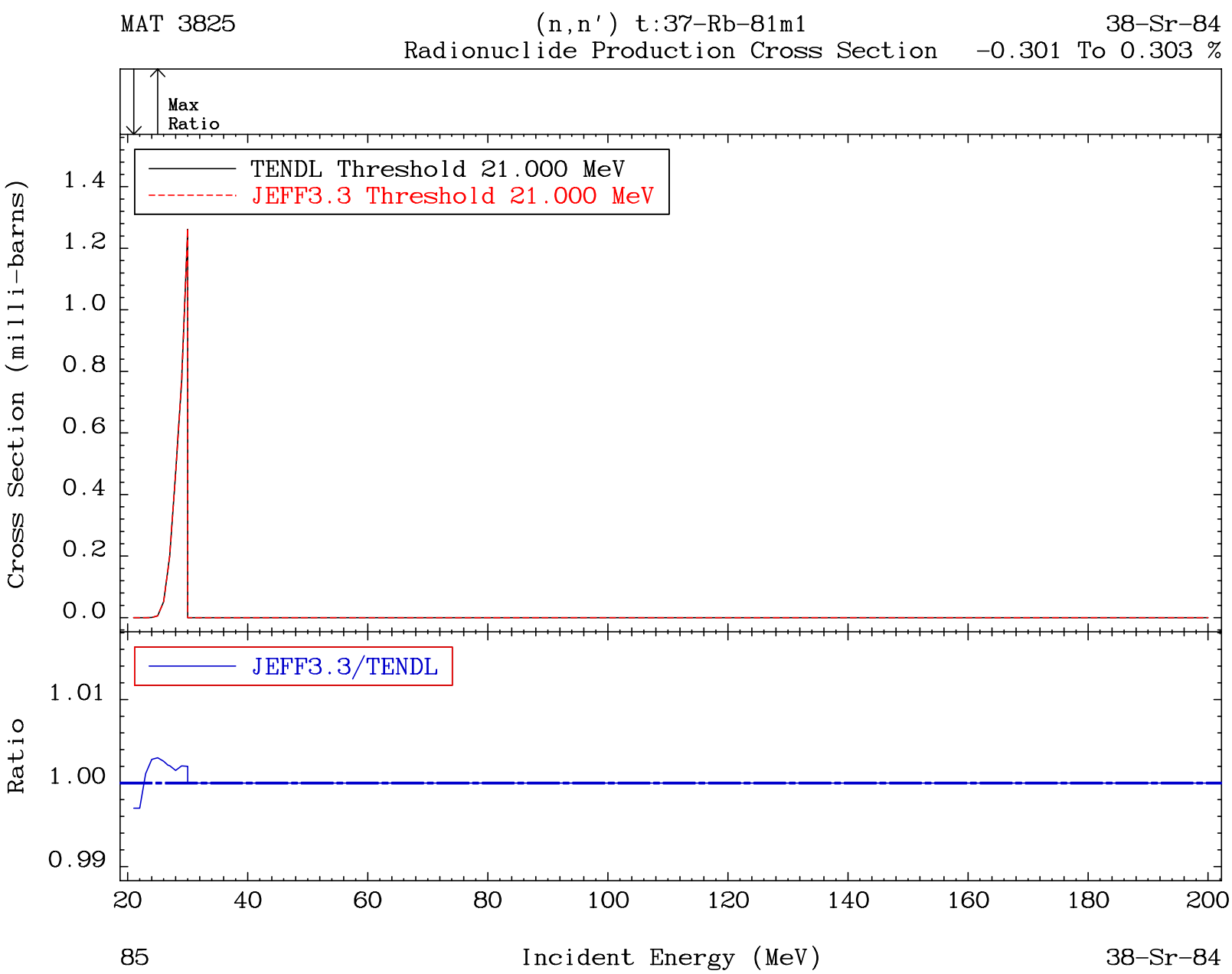

MAT 3825
(n,2n) α:36-Kr-79g
38-Sr-84
Radionuclide Production Cross Section -20.71 To 4181. %
Max Ratio
Min Ratio
TENDL Threshold 16.904 MeV
JEFF3.3 Threshold 16.904 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^2
4
10^1
4
10^0
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
38-Sr-84

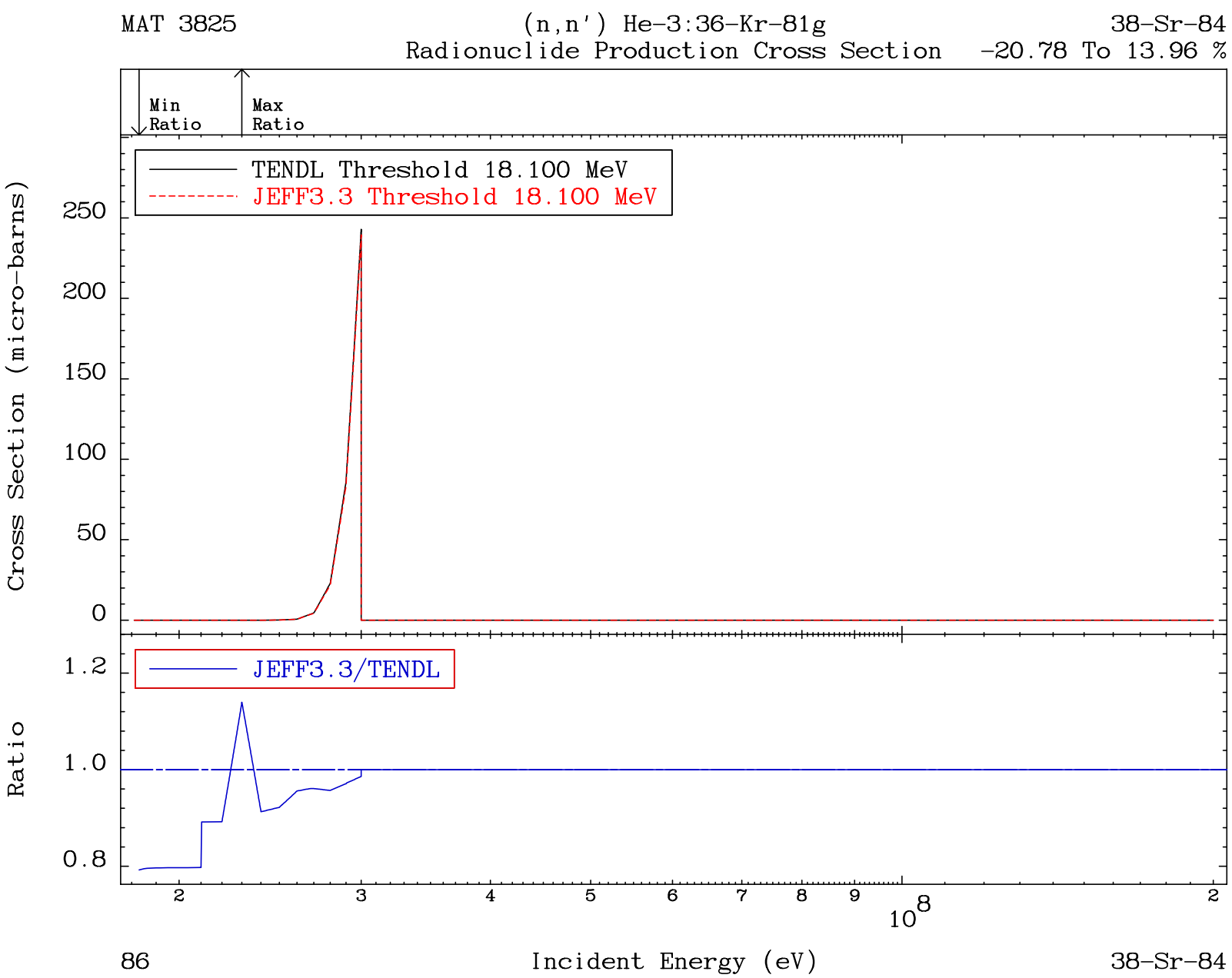

MAT 3825
(n,2n) α:36-Kr-79m1
38-Sr-84
Radionuclide Production Cross Section -21.02 To 5923. %
Max Ratio
Min Ratio
TENDL Threshold 17.036 MeV
JEFF3.3 Threshold 17.036 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
81
38-Sr-84

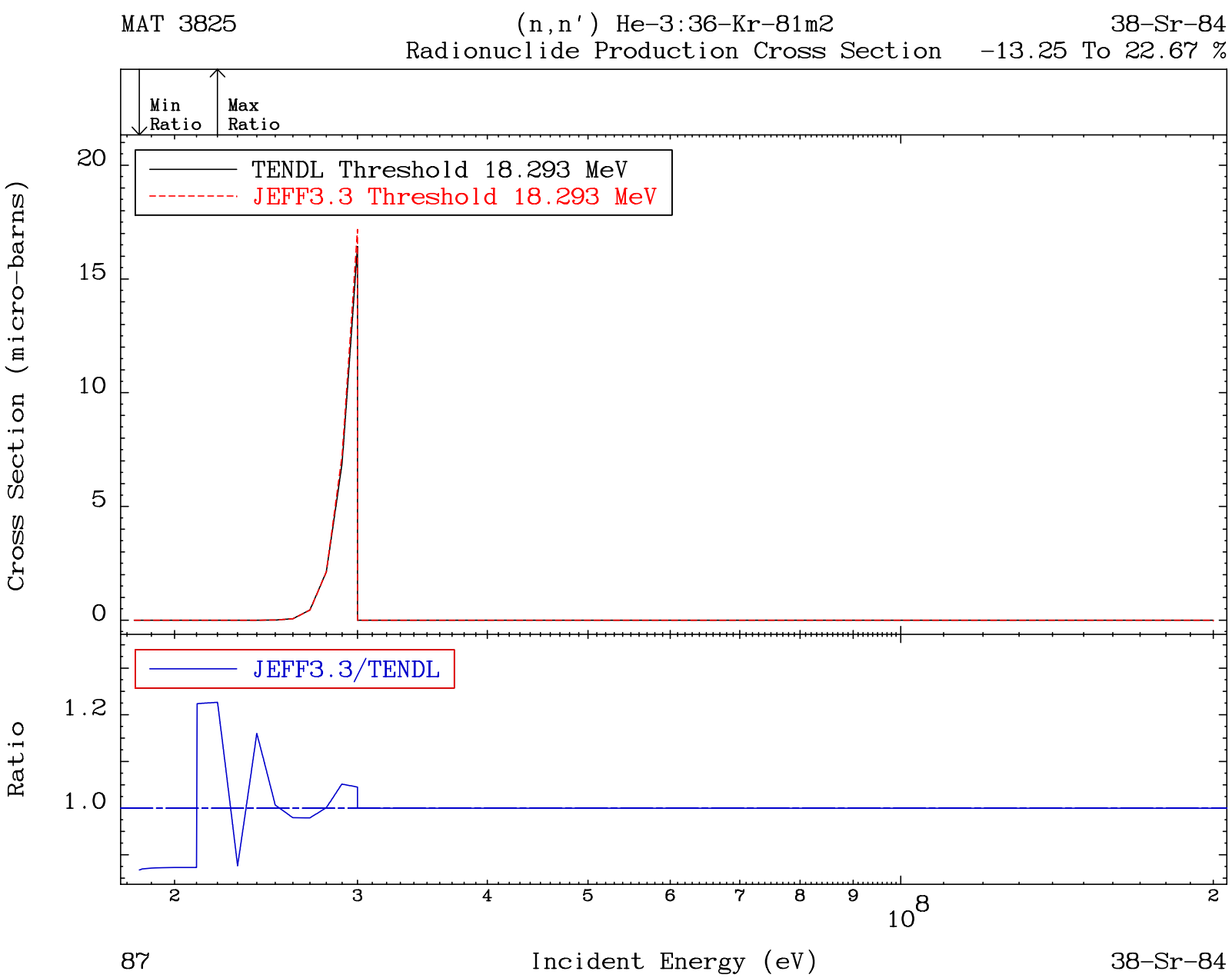

MAT 3825
(n,n') d:37-Rb-82g
38-Sr-84
Radionuclide Production Cross Section 0.000 To 5.313 %
Max Ratio
Min Ratio
TENDL Threshold 17.809 MeV
JEFF3.3 Threshold 17.809 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.06
1.04
1.02
1.00
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
38-Sr-84

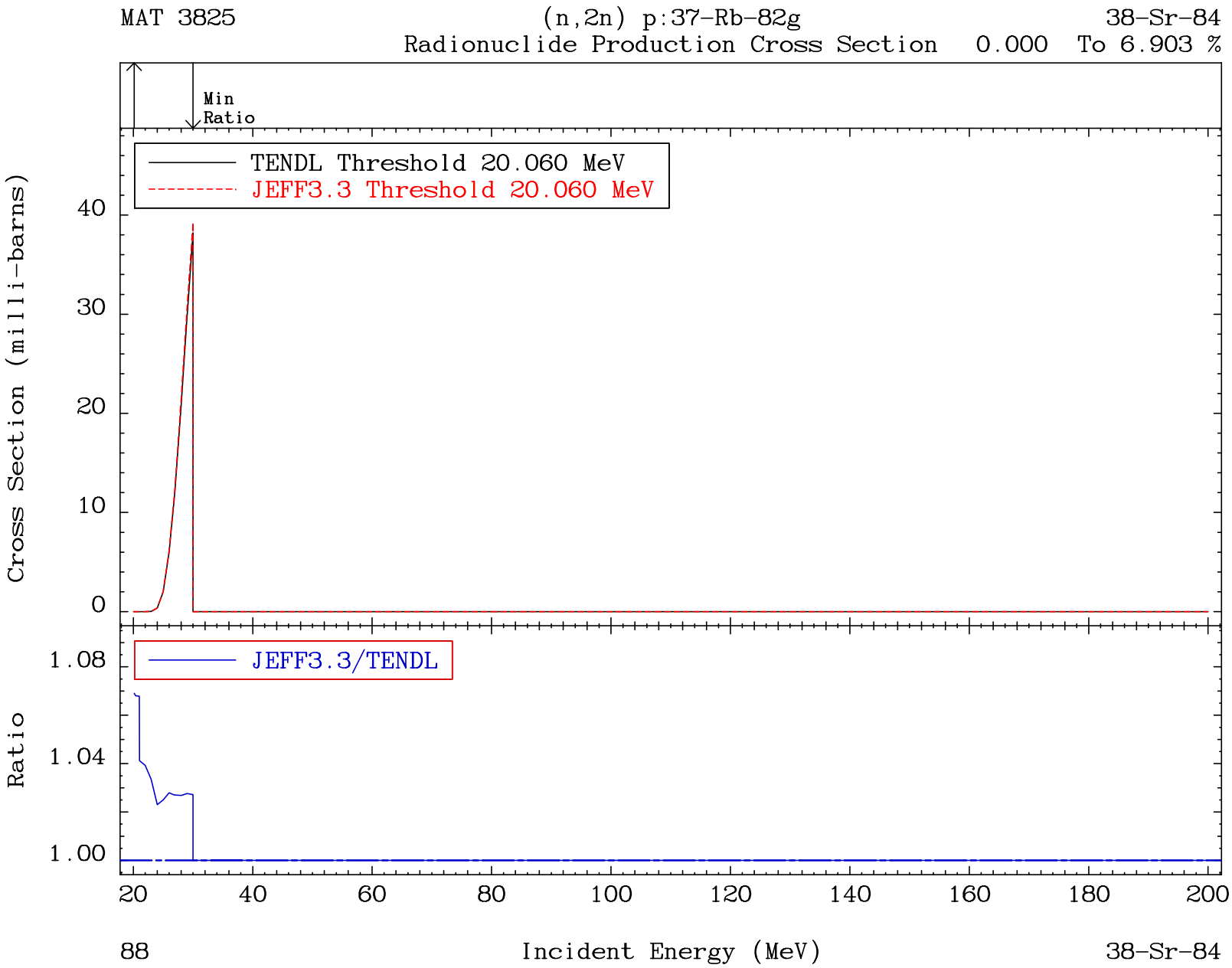

MAT 3825
(n,n') d:37-Rb-82m1
38-Sr-84
Radionuclide Production Cross Section 0.000 To 1.949 %
Max Ratio
Min Ratio
TENDL Threshold 17.879 MeV
JEFF3.3 Threshold 17.879 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
38-Sr-84

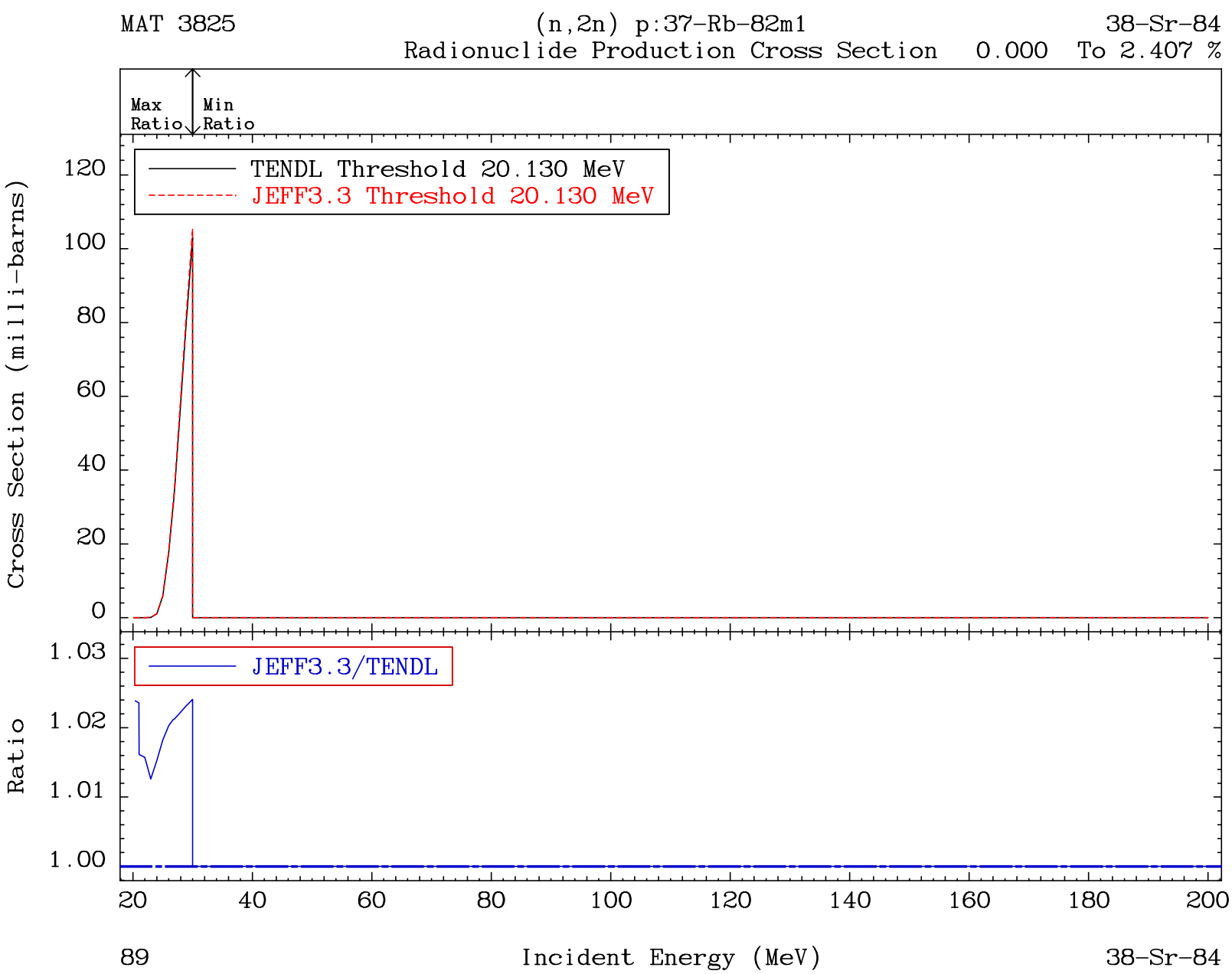

MAT 3825
(n,n') t:37-Rb-81g
38-Sr-84
Radionuclide Production Cross Section
-0.905 To 0.365 %
Max
Ratio
TENDL Threshold 20.385 MeV
JEFF3.3 Threshold 20.385 MeV
Cross Section (micro-barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
84
Incident Energy (MeV)
38-Sr-84

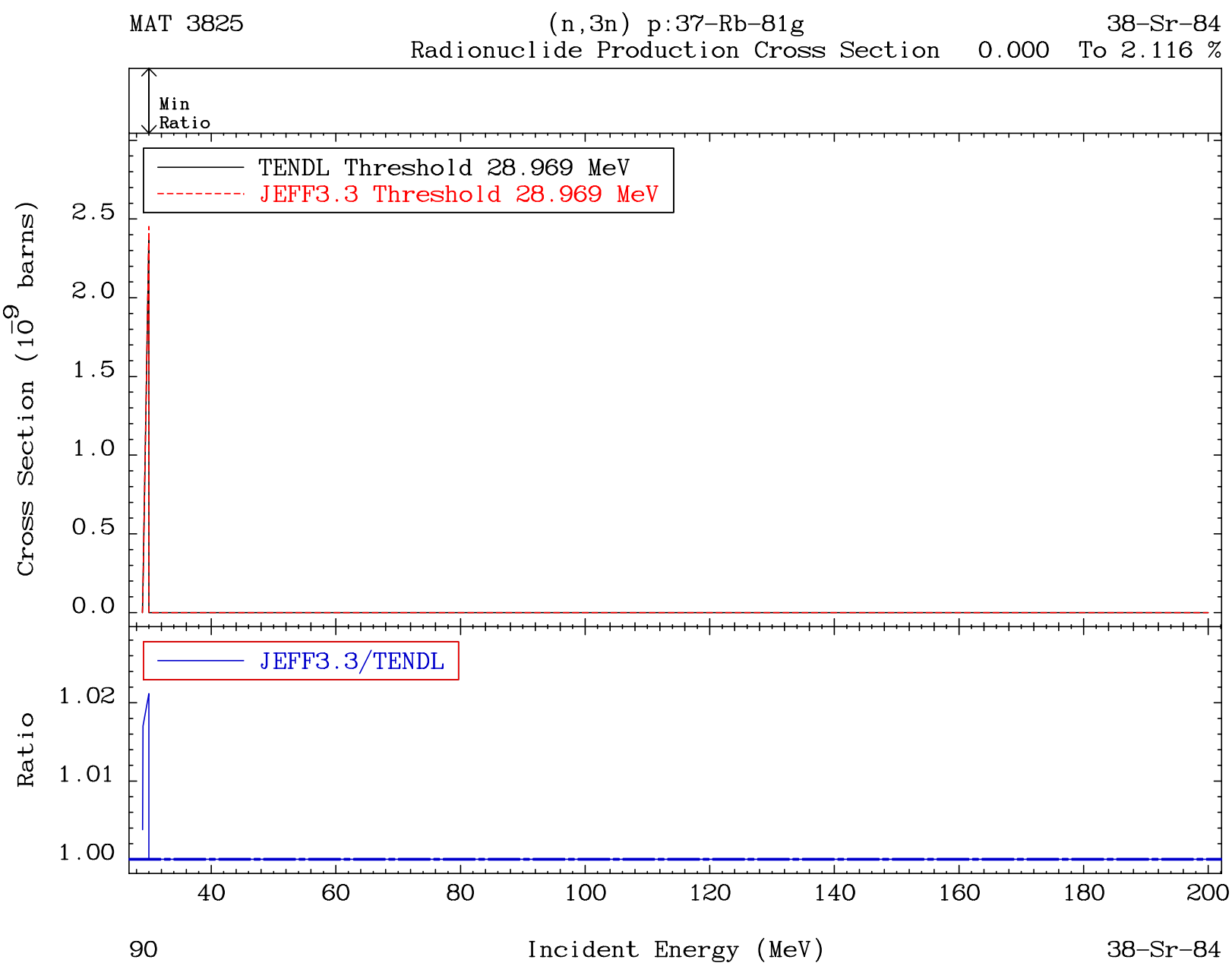

MAT 3825
(n,n') t:37-Rb-81m1
38-Sr-84
Radionuclide Production Cross Section
-0.301 To 0.303 %
Max
Ratio
TENDL Threshold 21.000 MeV
JEFF3.3 Threshold 21.000 MeV
Cross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
20
40
60
80
100
120
140
160
180
200
85
Incident Energy (MeV)
38-Sr-84

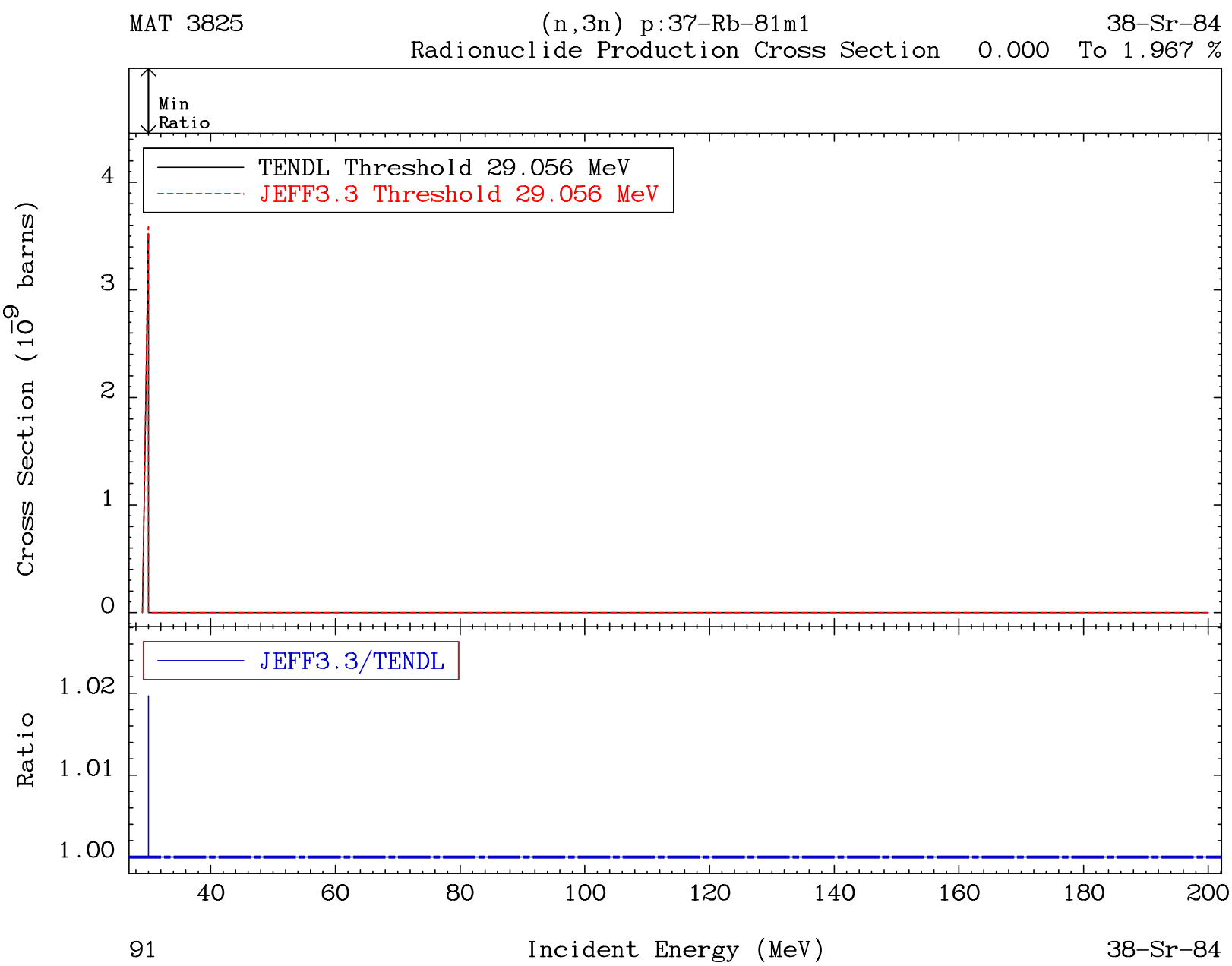

MAT 3825
(n,n') He-3:36-Kr-81g
38-Sr-84
Radionuclide Production Cross Section
-20.78 To 13.96 %
Min Ratio
Max Ratio
TENDL Threshold 18.100 MeV
JEFF3.3 Threshold 18.100 MeV
Cross Section (micro-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.2
1.0
0.8
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
38-Sr-84

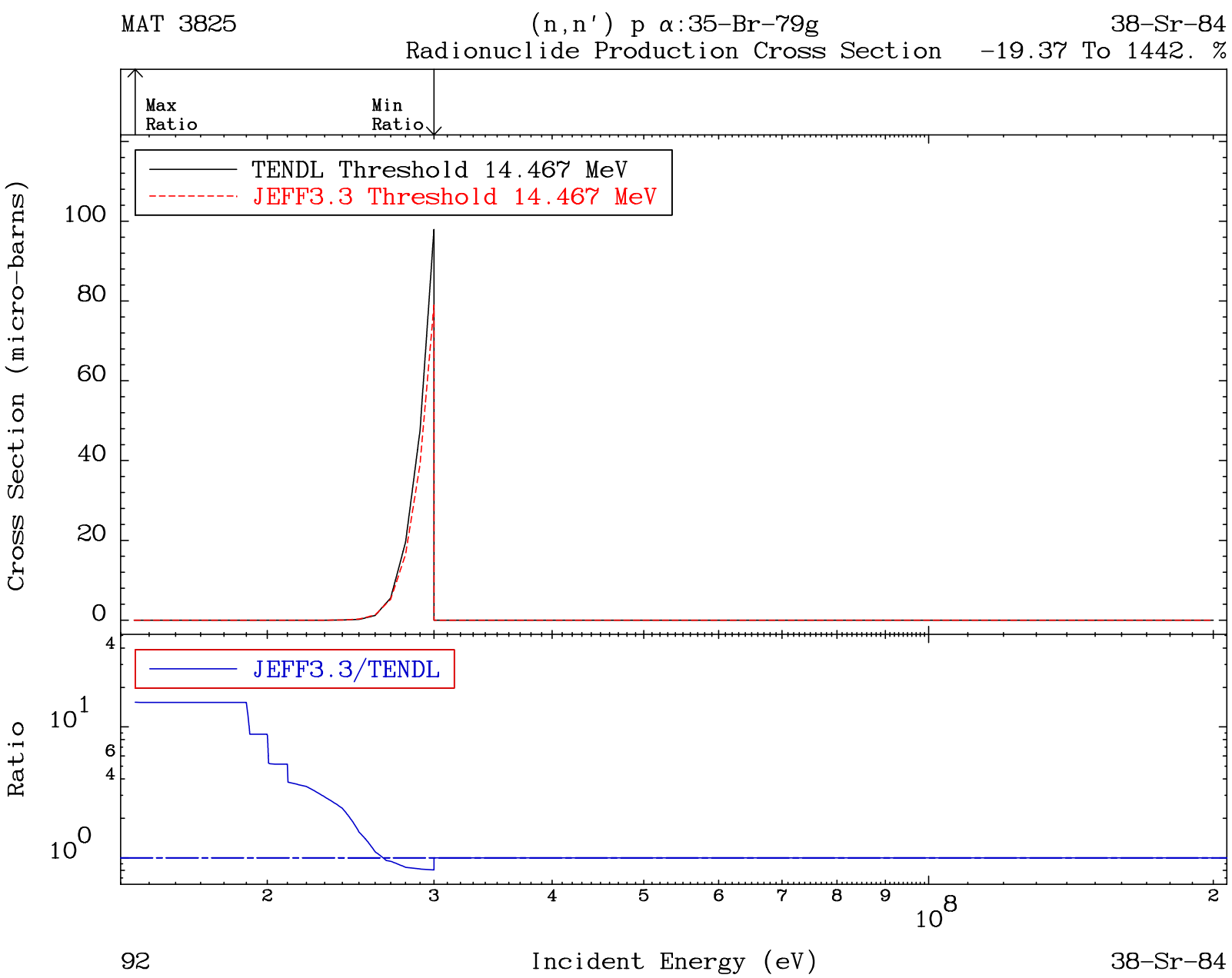

MAT 3825
(n,n') He-3:36-Kr-81m2
38-Sr-84
Radionuclide Production Cross Section
-13.25 To 22.67 %
Min Ratio
Max Ratio
TENDL Threshold 18.293 MeV
JEFF3.3 Threshold 18.293 MeV
Cross Section (micro-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.2
1.0
2
3
4
5
6
7
8
9
10^8
2
87
Incident Energy (eV)
38-Sr-84

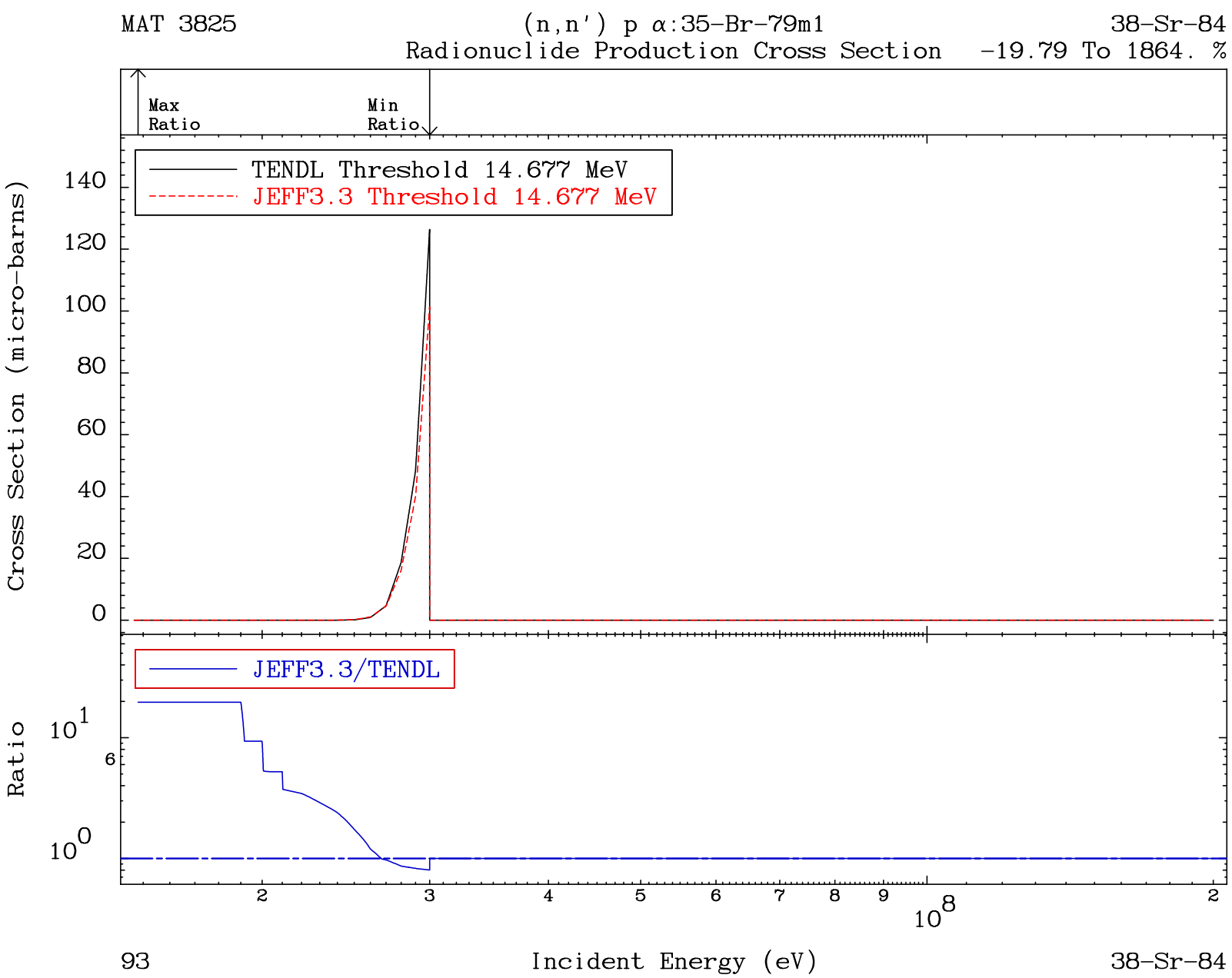

MAT 3825
(n,2n) p:37-Rb-82g
38-Sr-84
Radionuclide Production Cross Section 0.000 To 6.903 %
Min
Ratio
TENDL Threshold 20.060 MeV
JEFF3.3 Threshold 20.060 MeV
Cross Section (milli-barns)
0
10
20
30
40
JEFF3.3/TENDL
Ratio
1.00
1.04
1.08
20
40
60
80
100
120
140
160
180
200
88
Incident Energy (MeV)
38-Sr-84

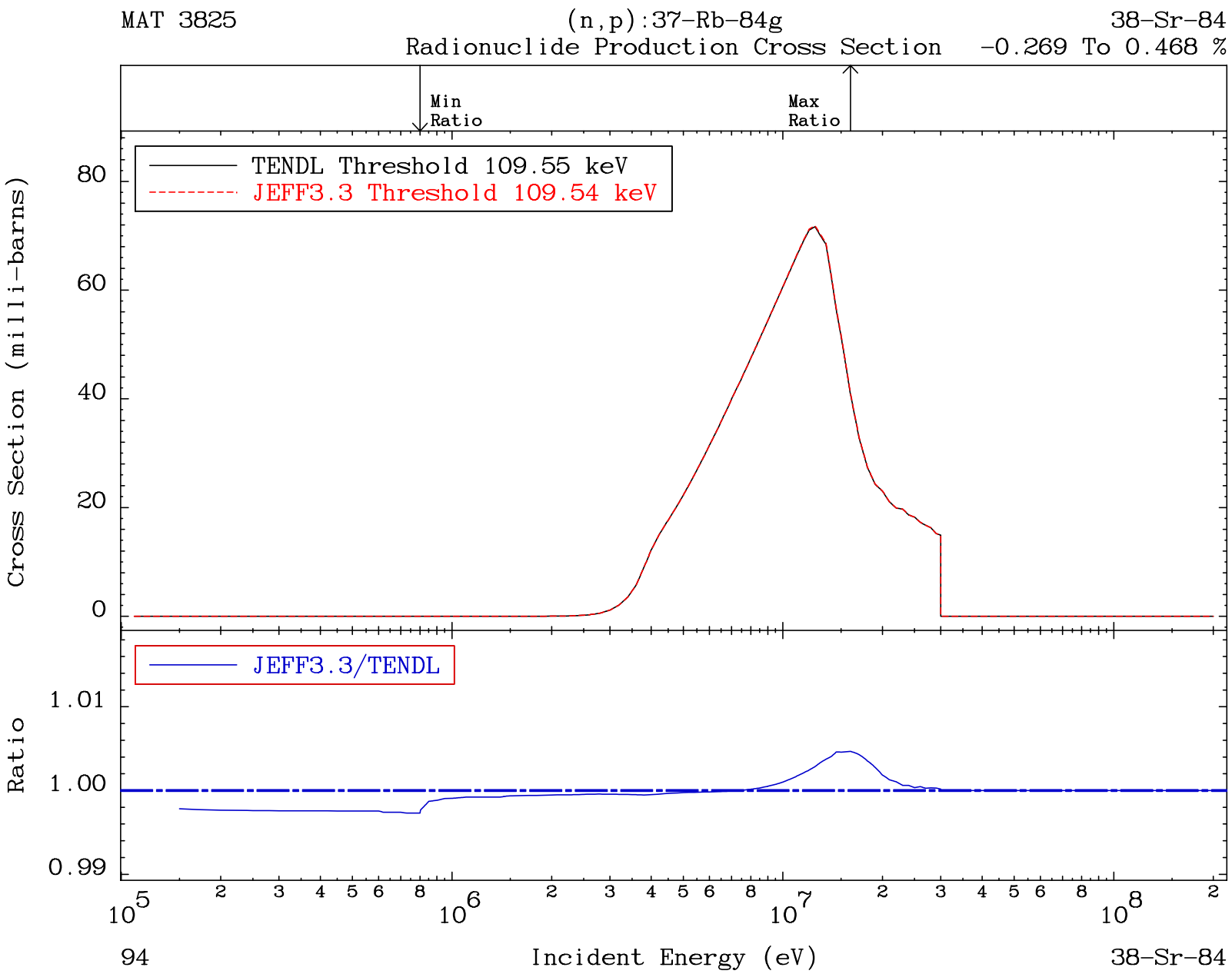

MAT 3825
(n,2n) p:37-Rb-82m1
38-Sr-84
Radionuclide Production Cross Section 0.000 To 2.407 %
Max Ratio
Min Ratio
TENDL Threshold 20.130 MeV
JEFF3.3 Threshold 20.130 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.03
1.02
1.01
1.00
20
40
60
80
100
120
140
160
180
200
89
Incident Energy (MeV)
38-Sr-84

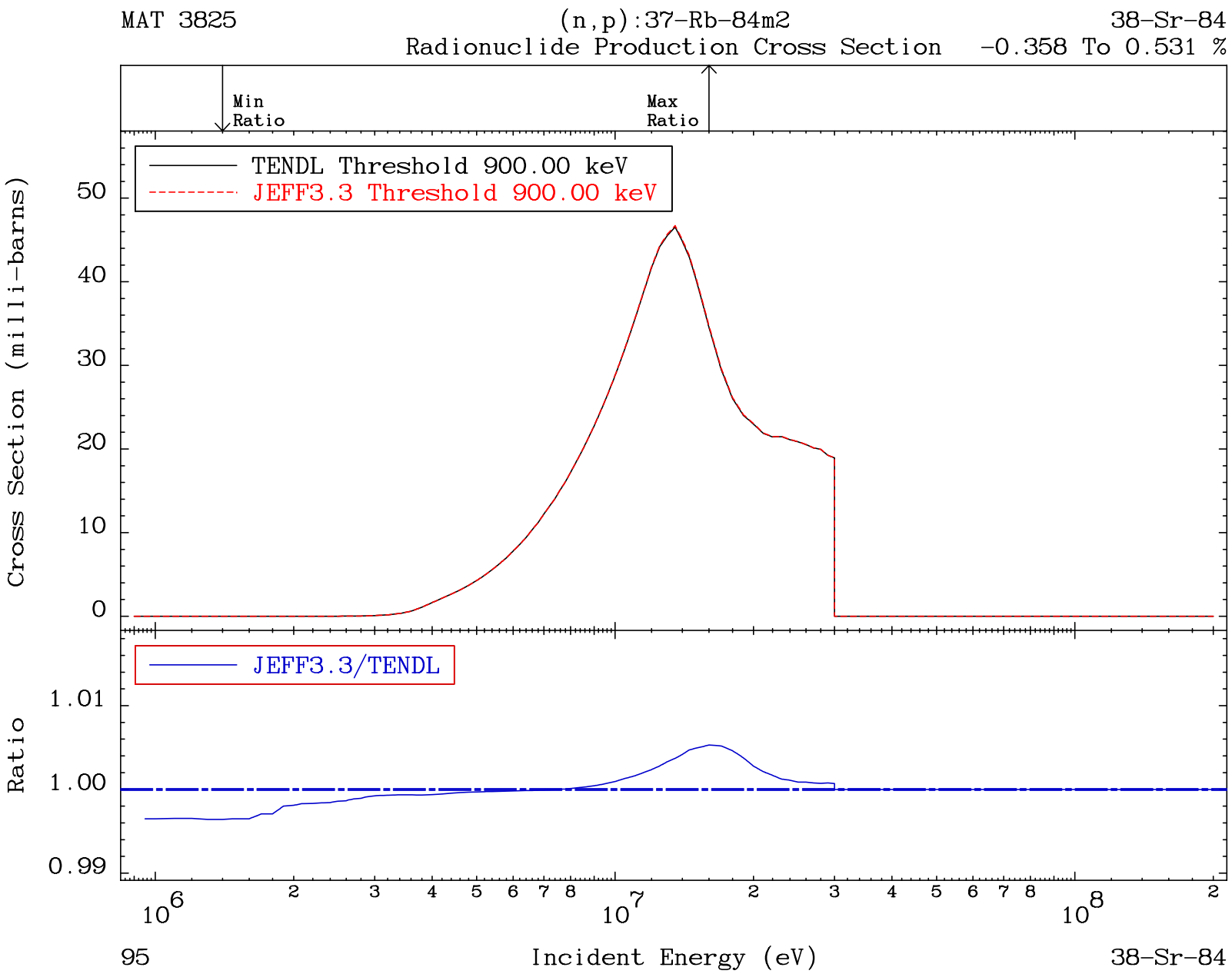

MAT 3825
(n,3n) p:37-Rb-81g
38-Sr-84
Radionuclide Production Cross Section 0.000 To 2.116 %
Min Ratio
TENDL Threshold 28.969 MeV
JEFF3.3 Threshold 28.969 MeV
Cross Section (10^{-9} barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
40
60
80
100
120
140
160
180
200
90
Incident Energy (MeV)
38-Sr-84

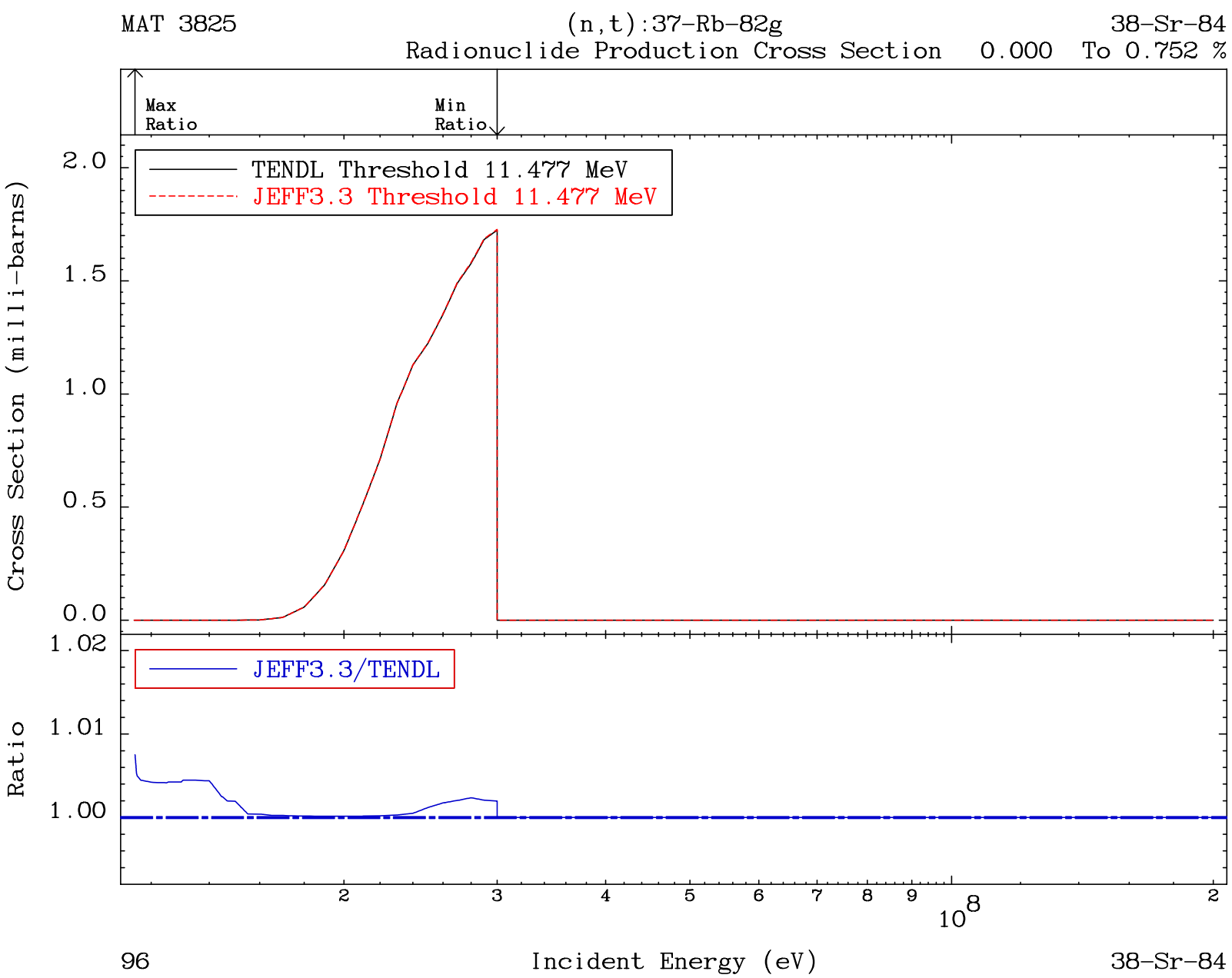

MAT 3825
(n,3n) p:37-Rb-81m1
38-Sr-84
Radionuclide Production Cross Section 0.000 To 1.967 %
Min
Ratio
TENDL Threshold 29.056 MeV
JEFF3.3 Threshold 29.056 MeV
Cross Section (10^{-9} barns)
4
3
2
1
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
40
60
80
100
120
140
160
180
200
91
Incident Energy (MeV)
38-Sr-84

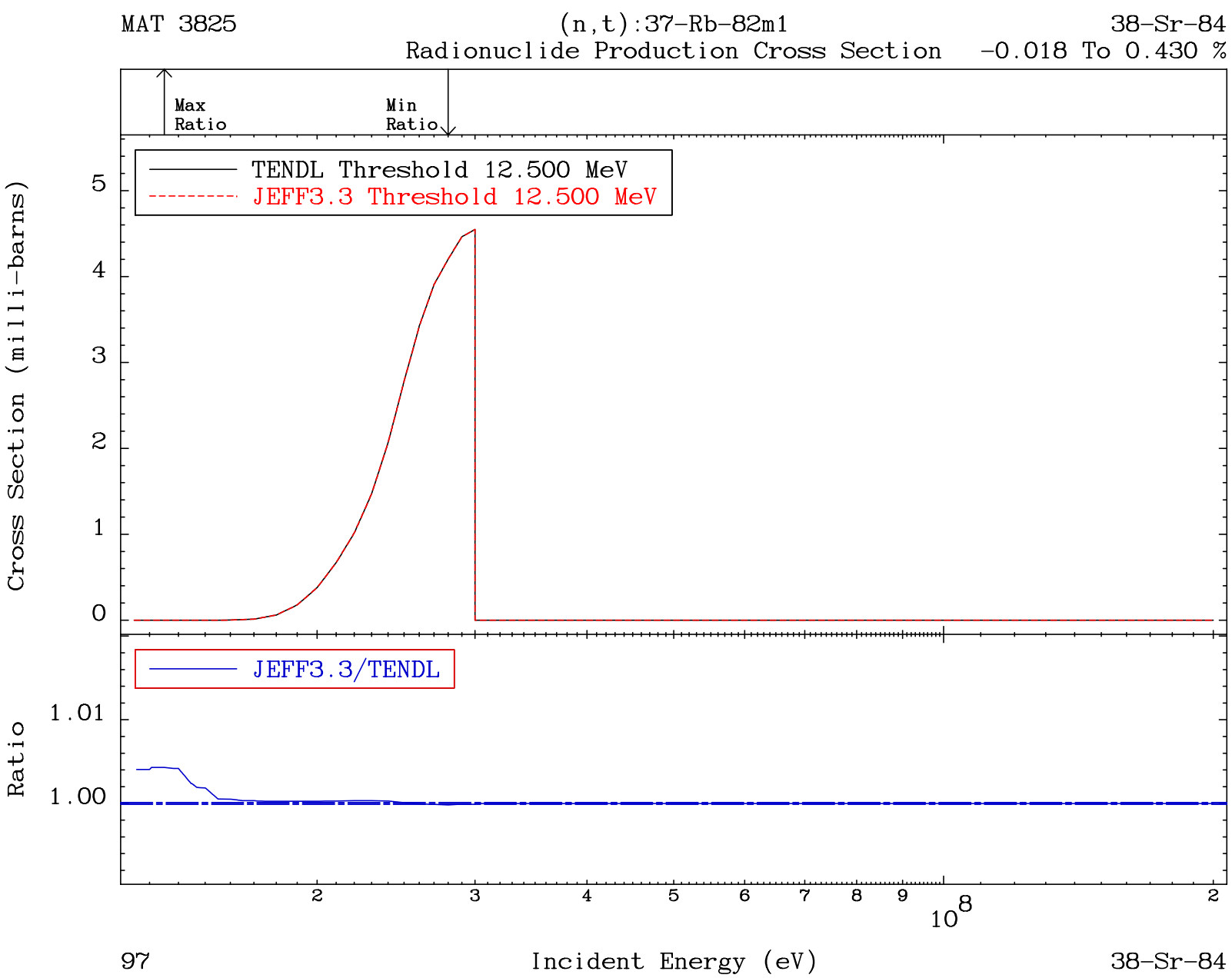

MAT 3825
(n,n') p α:35-Br-79g
38-Sr-84
Radionuclide Production Cross Section -19.37 To 1442. %
Max Ratio
Min Ratio
TENDL Threshold 14.467 MeV
JEFF3.3 Threshold 14.467 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^1
6
4
10^0
2
3
4
5
6
7
8
9
10^8
2
92
Incident Energy (eV)
38-Sr-84

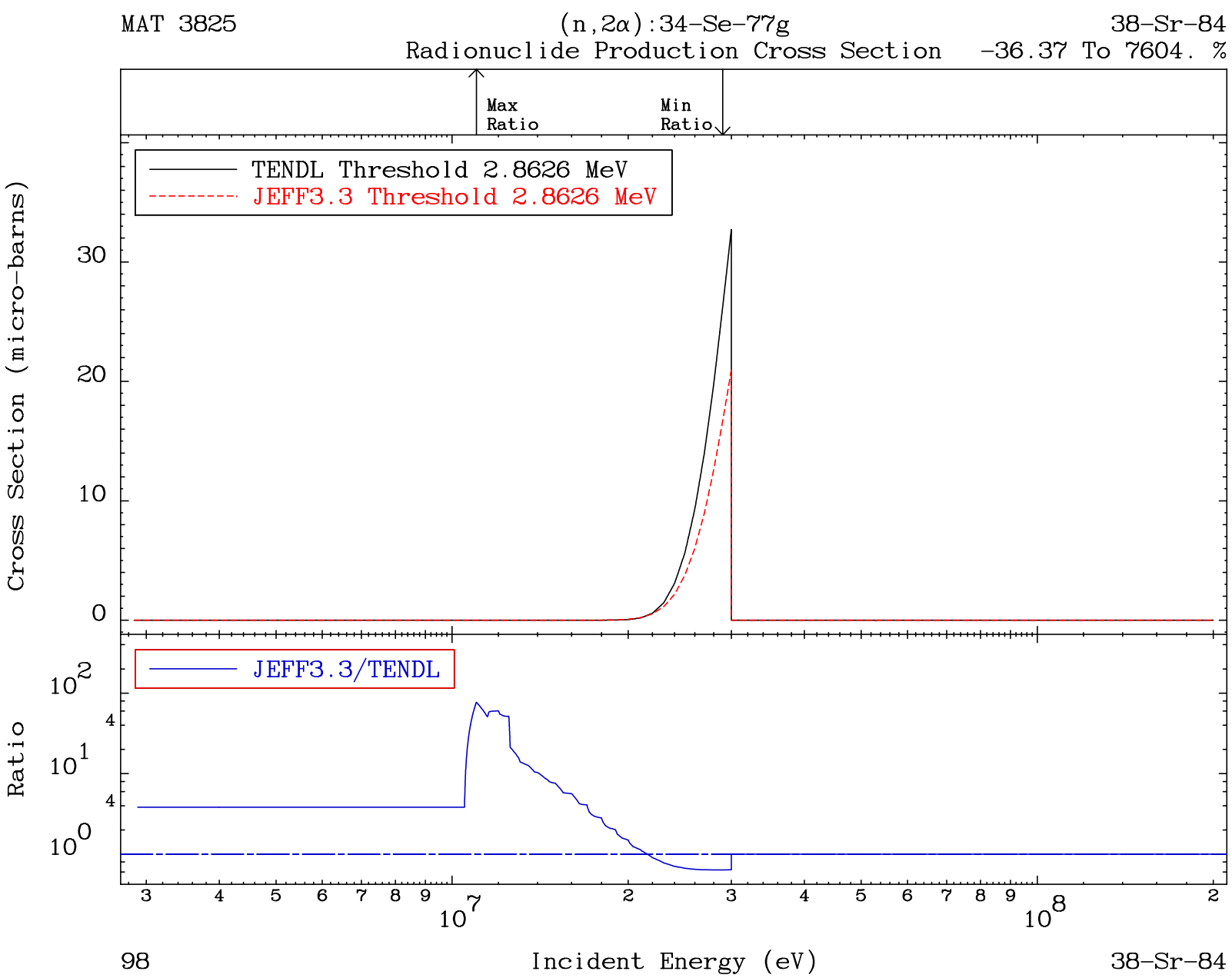

MAT 3825
(n,n') p α:35-Br-79m1
38-Sr-84
Radionuclide Production Cross Section -19.79 To 1864. %
Max Ratio
Min Ratio
TENDL Threshold 14.677 MeV
JEFF3.3 Threshold 14.677 MeV
Cross Section (micro-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^1
6
10^0
2
3
4
5
6
7
8
9
10^8
2
93
Incident Energy (eV)
38-Sr-84

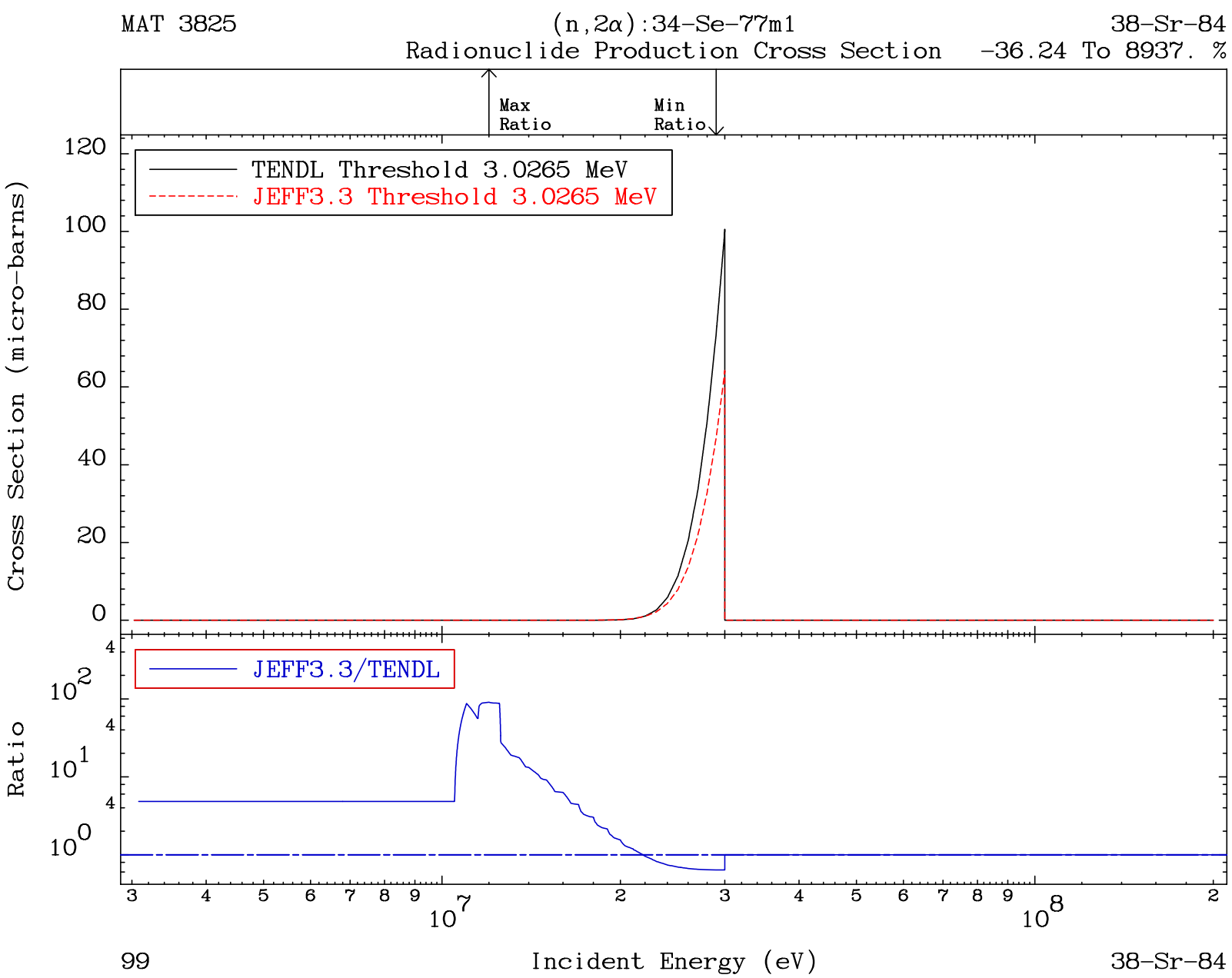

MAT 3825
(n,p):37-Rb-84g
38-Sr-84
Radionuclide Production Cross Section
-0.269 To 0.468 %
Min Ratio
Max Ratio
TENDL Threshold 109.55 keV
JEFF3.3 Threshold 109.54 keV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
10^5
10^6
10^7
10^8
94
Incident Energy (eV)
38-Sr-84

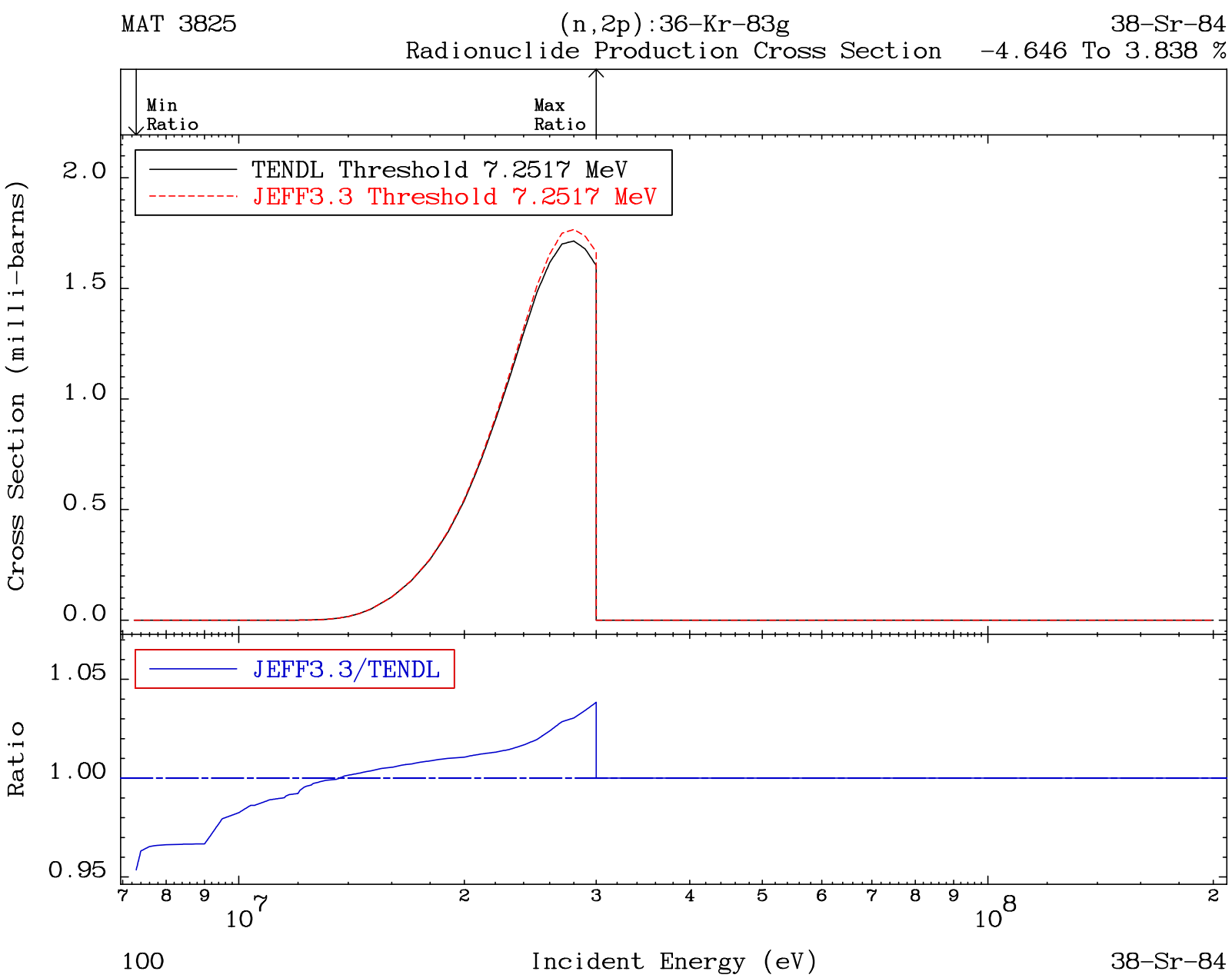

MAT 3825
(n,p):37-Rb-84m2
38-Sr-84
Radionuclide Production Cross Section
-0.358 To 0.531 %
Min Ratio
Max Ratio
TENDL Threshold 900.00 keV
JEFF3.3 Threshold 900.00 keV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
10^6
10^7
10^8
95
Incident Energy (eV)
38-Sr-84

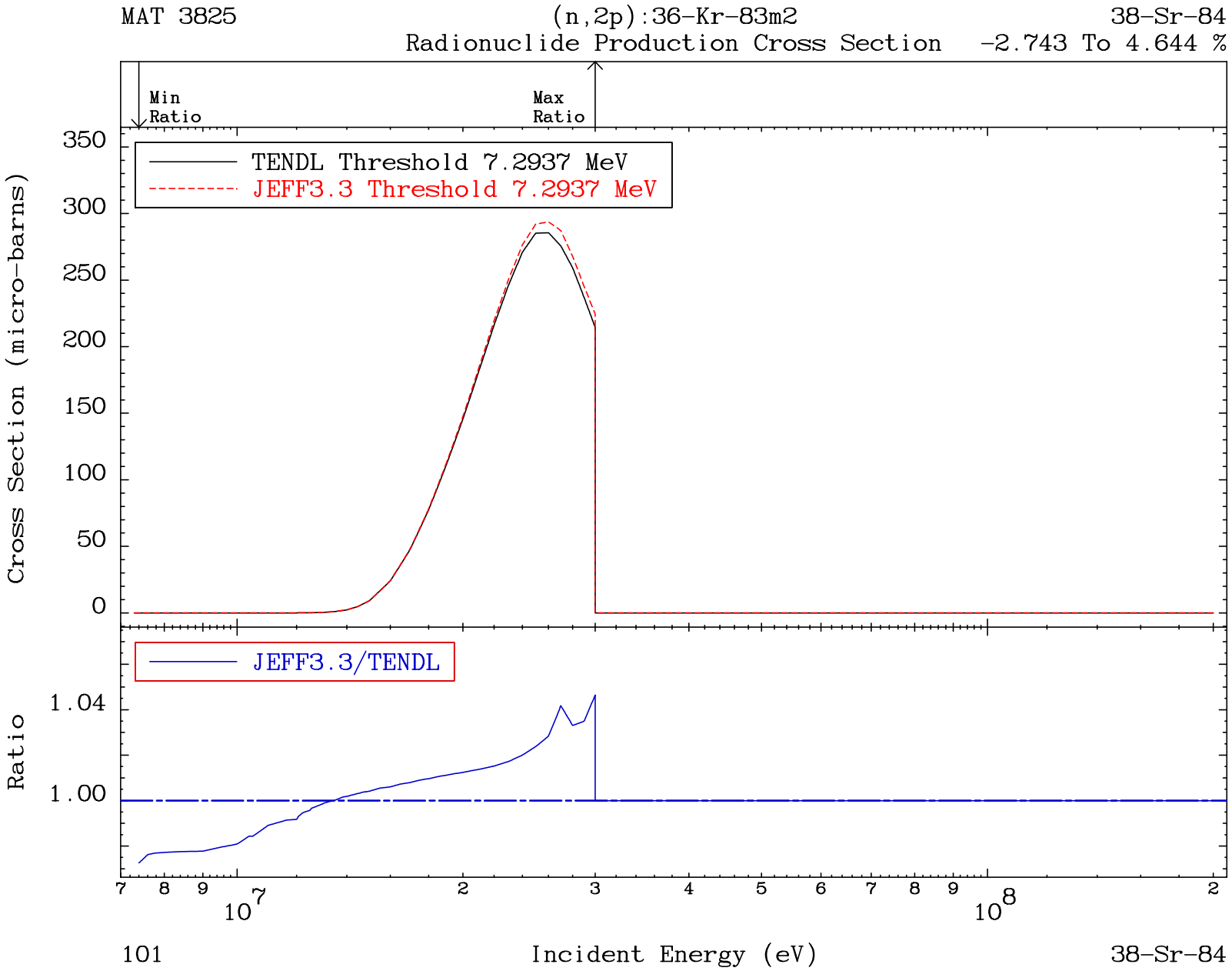

MAT 3825
(n,t):37-Rb-82g
38-Sr-84
Radionuclide Production Cross Section 0.000 To 0.752 %
Max Ratio
Min Ratio
TENDL Threshold 11.477 MeV
JEFF3.3 Threshold 11.477 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
96
Incident Energy (eV)
38-Sr-84

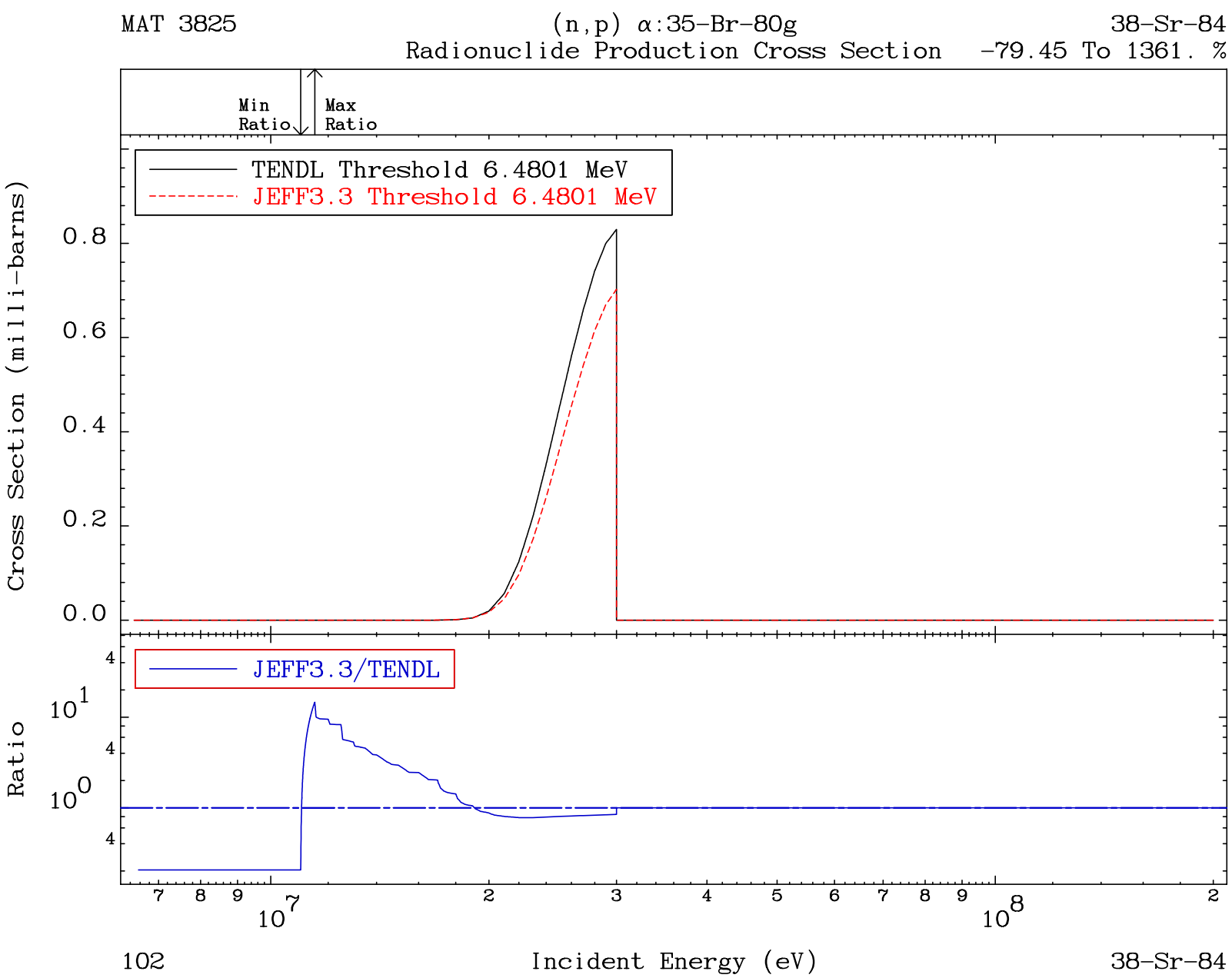

MAT 3825
(n,t):37-Rb-82m1
38-Sr-84
Radionuclide Production Cross Section
-0.018 To 0.430 %
Max Ratio
Min Ratio
TENDL Threshold 12.500 MeV
JEFF3.3 Threshold 12.500 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
97
Incident Energy (eV)
38-Sr-84

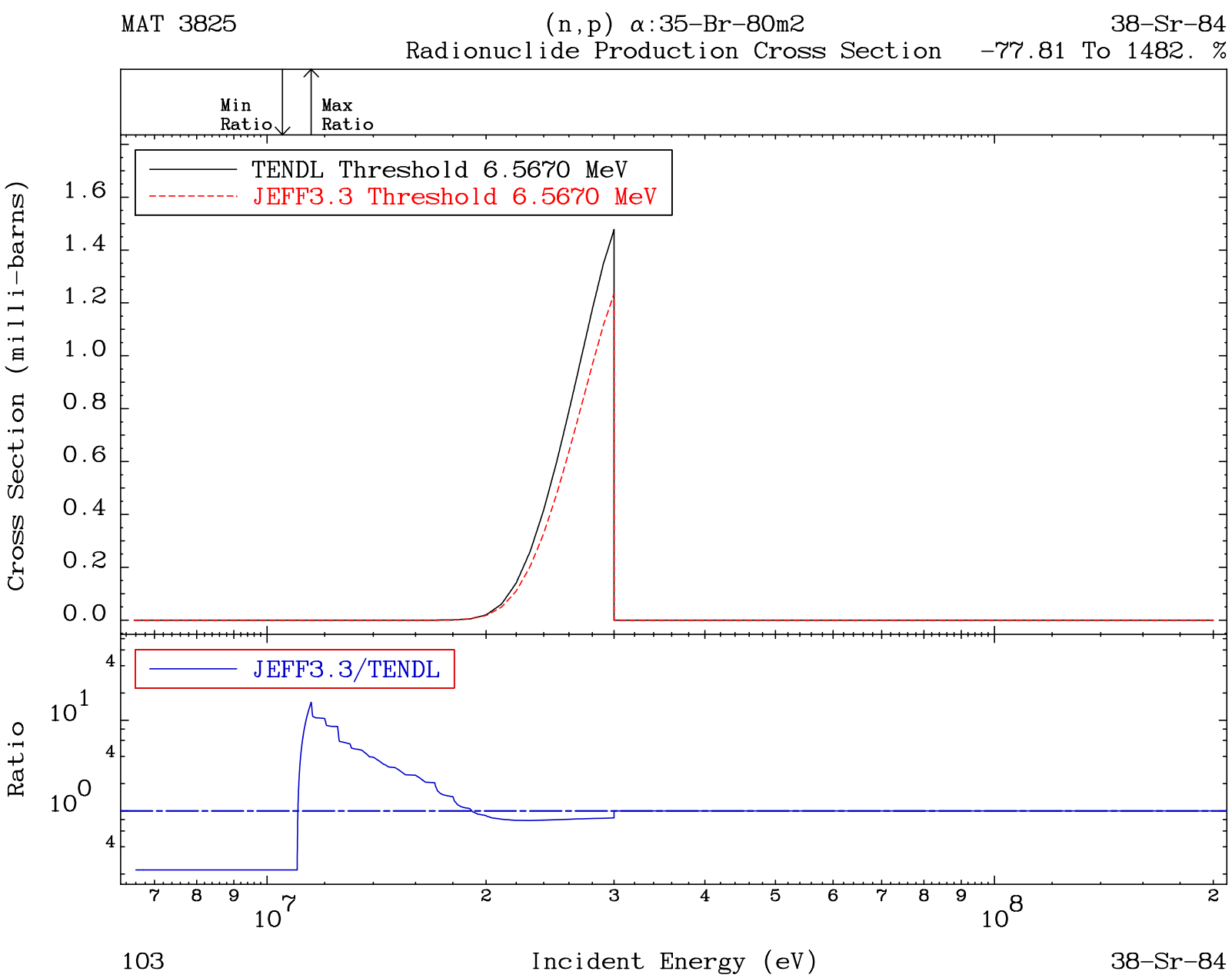

MAT 3825
(n,2α):34-Se-77g
38-Sr-84
Radionuclide Production Cross Section
-36.37 To 7604. %
Max Ratio
Min Ratio
TENDL Threshold 2.8626 MeV
JEFF3.3 Threshold 2.8626 MeV
Cross Section (micro-barns)
30
20
10
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
98
Incident Energy (eV)
38-Sr-84

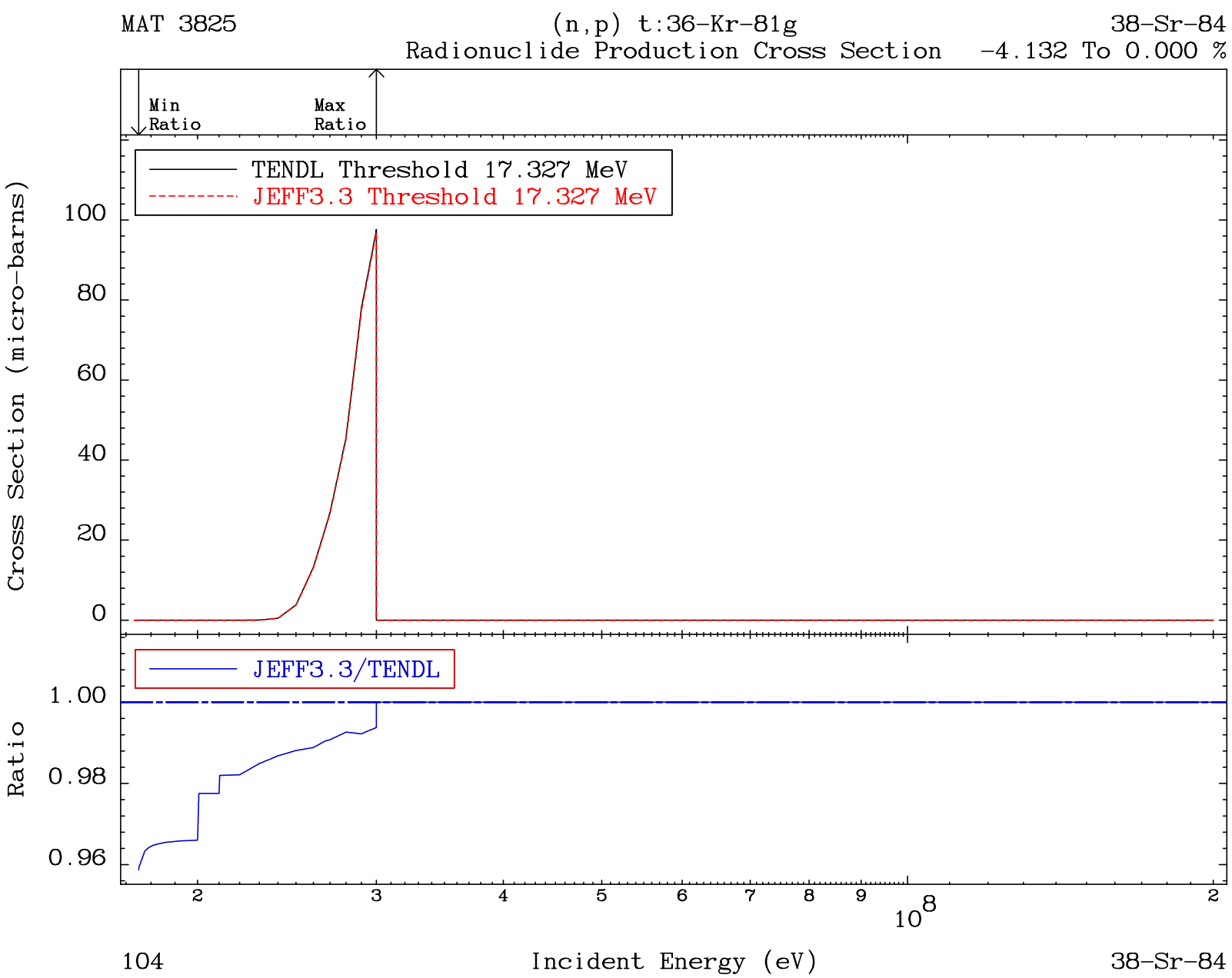

MAT 3825
(n,2α):34-Se-77m1
38-Sr-84
Radionuclide Production Cross Section -36.24 To 8937. %
Max Ratio
Min Ratio
TENDL Threshold 3.0265 MeV
JEFF3.3 Threshold 3.0265 MeV
Cross Section (micro-barns)
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
99
Incident Energy (eV)
38-Sr-84

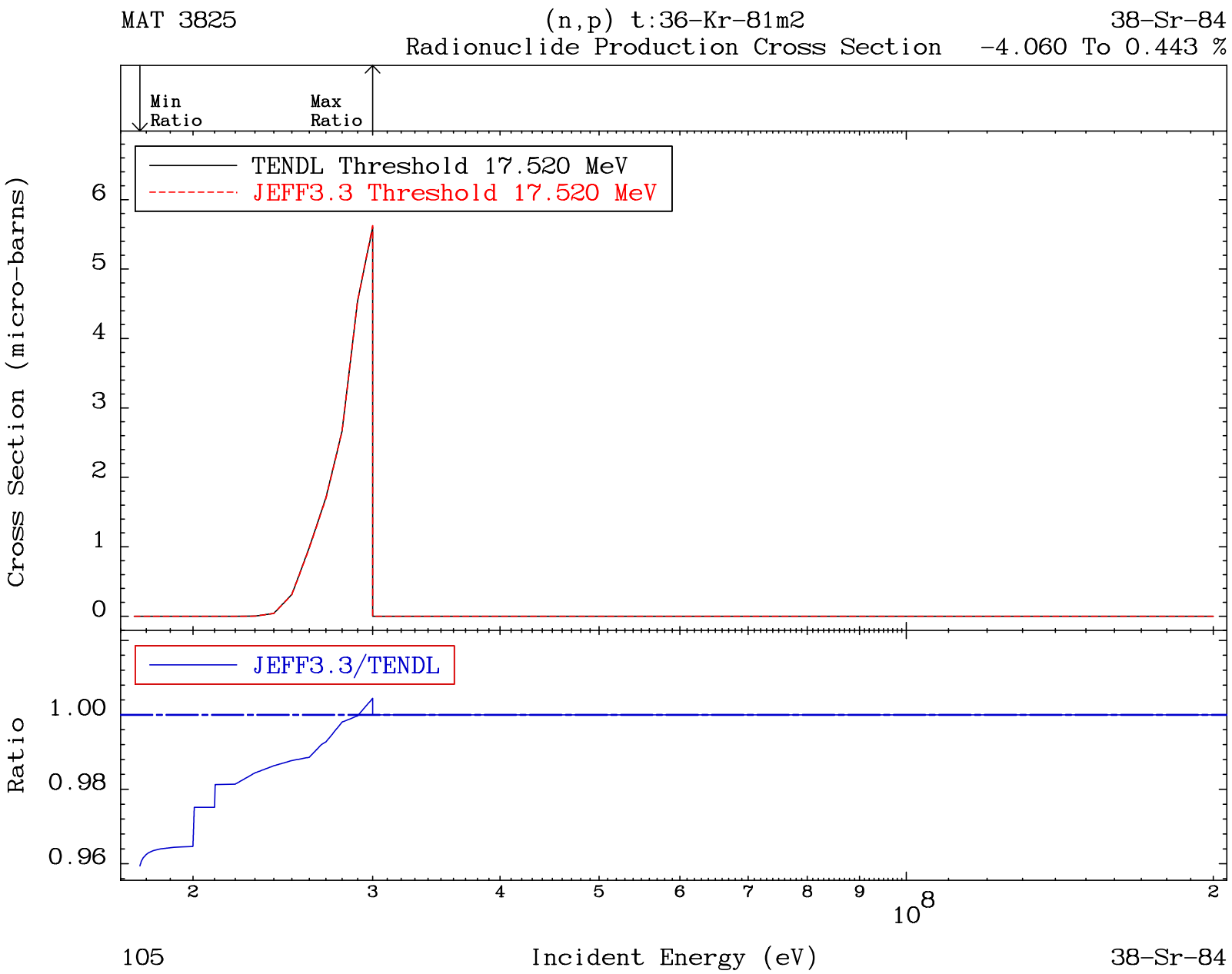

MAT 3825
(n,2p):36-Kr-83g
38-Sr-84
Radionuclide Production Cross Section -4.646 To 3.838 %
Min Ratio
Max Ratio
TENDL Threshold 7.2517 MeV
JEFF3.3 Threshold 7.2517 MeV
Cross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.05
1.00
0.95
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
100
Incident Energy (eV)
38-Sr-84

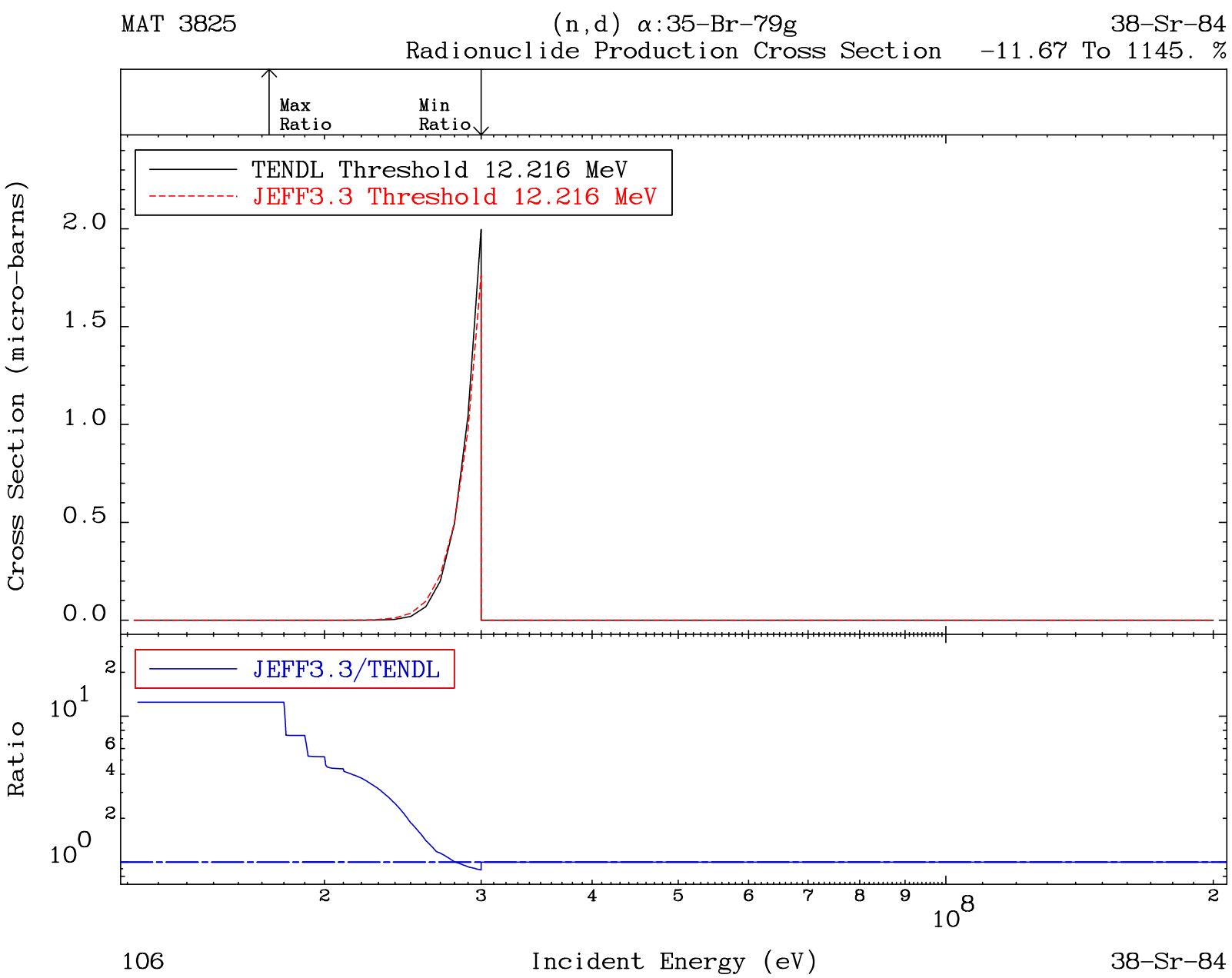

MAT 3825
(n,2p):36-Kr-83m2
38-Sr-84
Radionuclide Production Cross Section -2.743 To 4.644 %
Min Ratio
Max Ratio
TENDL Threshold 7.2937 MeV
JEFF3.3 Threshold 7.2937 MeV
Cross Section (micro-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.04
1.00
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
101
Incident Energy (eV)
38-Sr-84

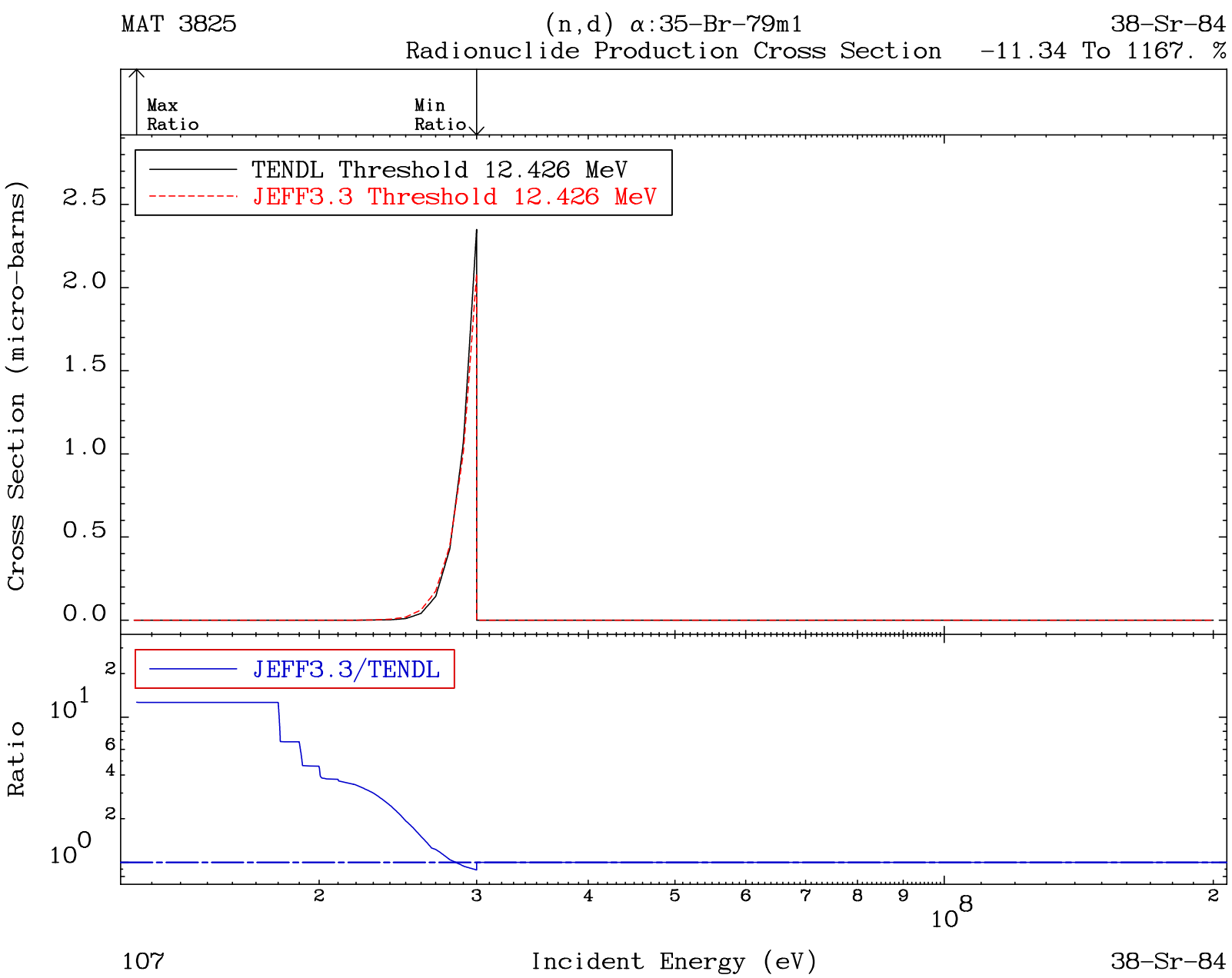

MAT 3825
(n,p) α:35-Br-80g
38-Sr-84
Radionuclide Production Cross Section -79.45 To 1361. %
Min Ratio
Max Ratio
TENDL Threshold 6.4801 MeV
JEFF3.3 Threshold 6.4801 MeV
Cross Section (milli-barns)
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
10^1
10^0
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
102
Incident Energy (eV)
38-Sr-84


MAT 3825
(n,p) α:35-Br-80m2
38-Sr-84
Radionuclide Production Cross Section -77.81 To 1482. %
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
4
10^1
4
10^0
4
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
103
Incident Energy (eV)
38-Sr-84


MAT 3825
(n,p) t:36-Kr-81g
38-Sr-84
Radionuclide Production Cross Section
-4.132 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 17.327 MeV
JEFF3.3 Threshold 17.327 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.00
0.98
0.96
2
3
4
5
6
7
8
9
10^8
2
104
Incident Energy (eV)
38-Sr-84


MAT 3825
(n,p) t:36-Kr-81m2
38-Sr-84
Radionuclide Production Cross Section
-4.060 To 0.443 %
Min Ratio
Max Ratio
TENDL Threshold 17.520 MeV
JEFF3.3 Threshold 17.520 MeV
Cross Section (micro-barns)
0
1
2
3
4
5
6
JEFF3.3/TENDL
Ratio
1.00
0.98
0.96
2
3
4
5
6
7
8
9
10^8
2
105
Incident Energy (eV)
38-Sr-84


MAT 3825
(n,d) α:35-Br-79g
38-Sr-84
Radionuclide Production Cross Section -11.67 To 1145. %
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
10^0
2
6
4
2
2
3
4
5
6
7
8
9
10^8
2
106
Incident Energy (eV)
38-Sr-84


MAT 3825
(n,d) α:35-Br-79m1
38-Sr-84
Radionuclide Production Cross Section -11.34 To 1167. %
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
10^1
10^0
2
6
4
2
2
3
4
5
6
7
8
9
10^8
2
107
Incident Energy (eV)
38-Sr-84