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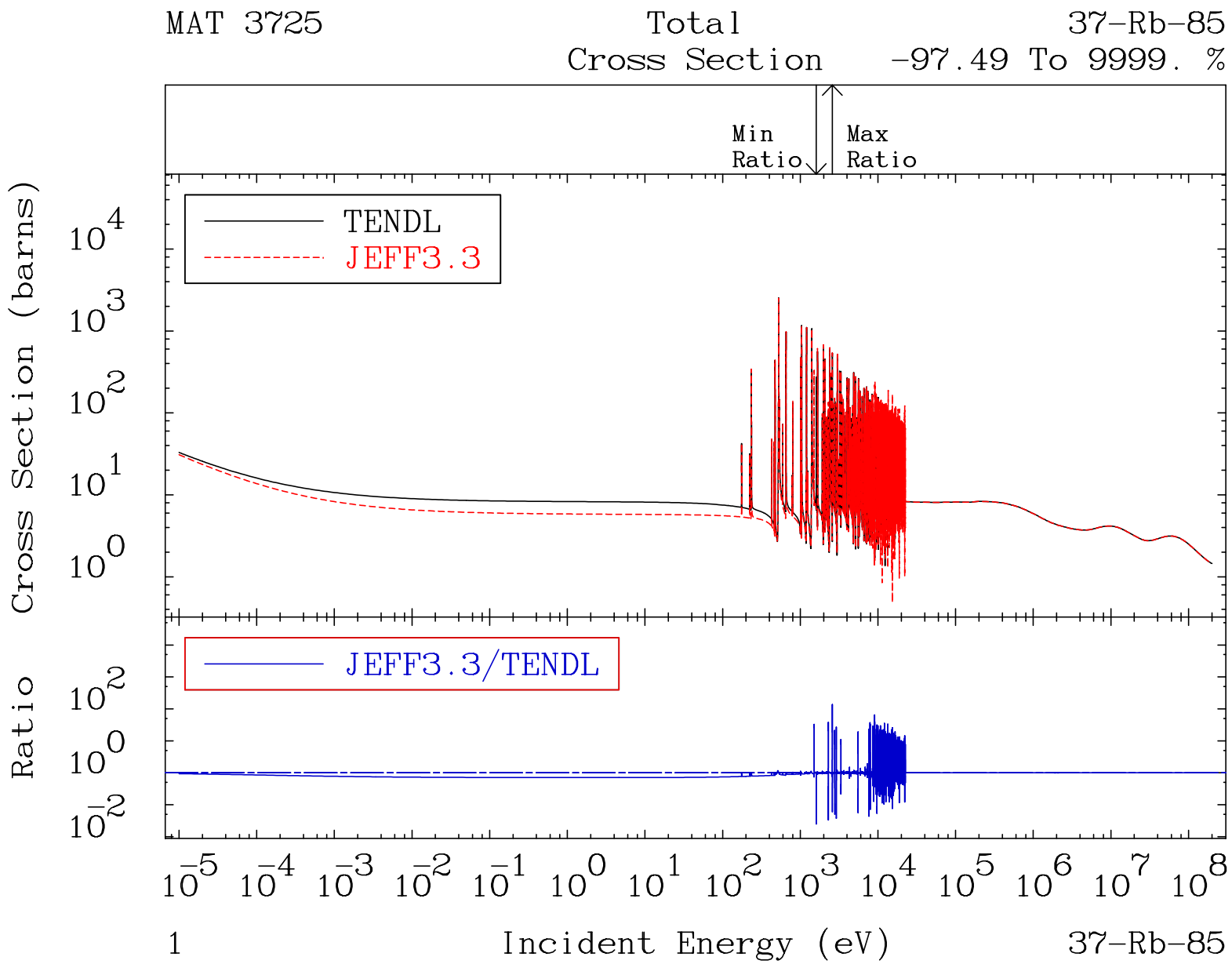
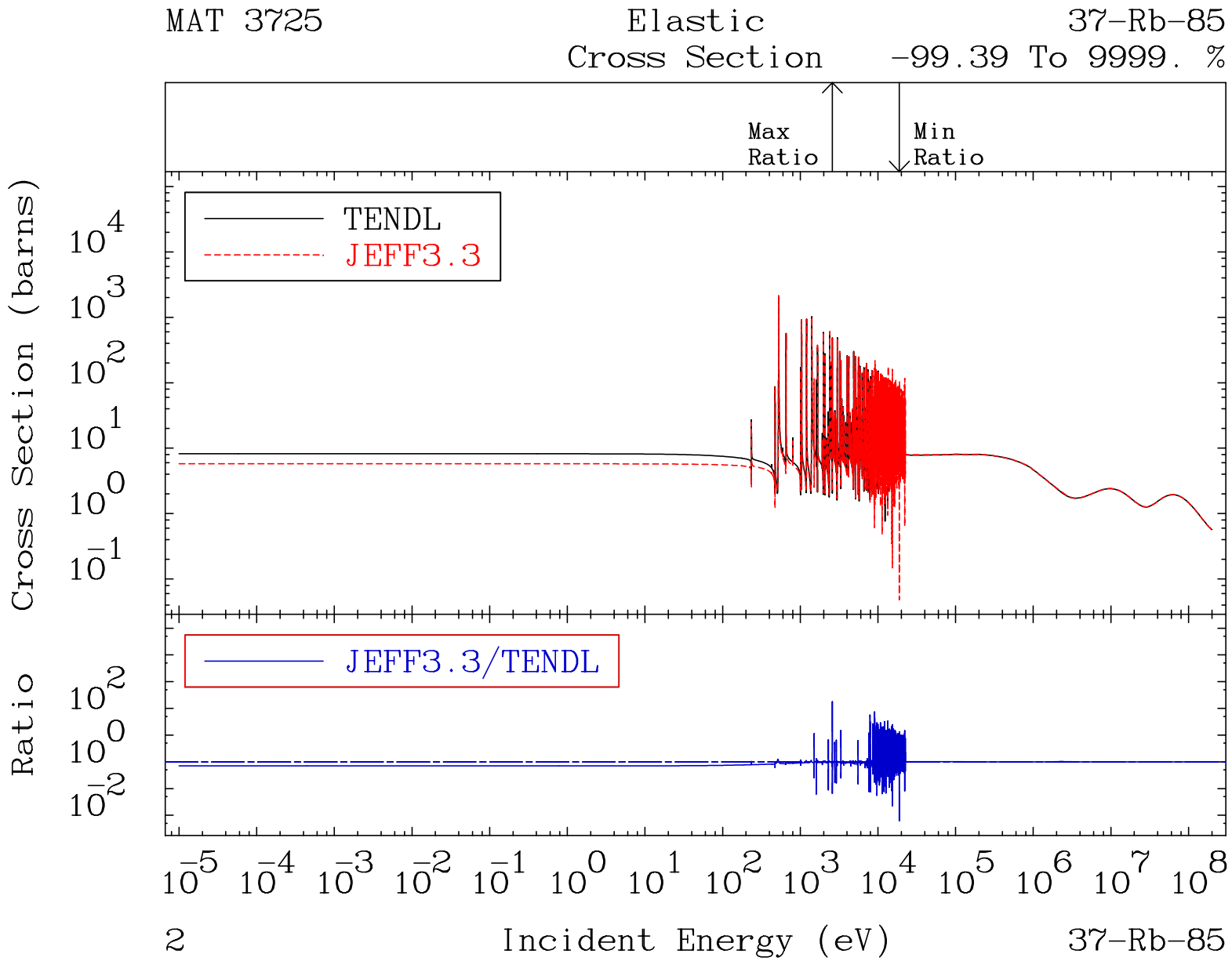
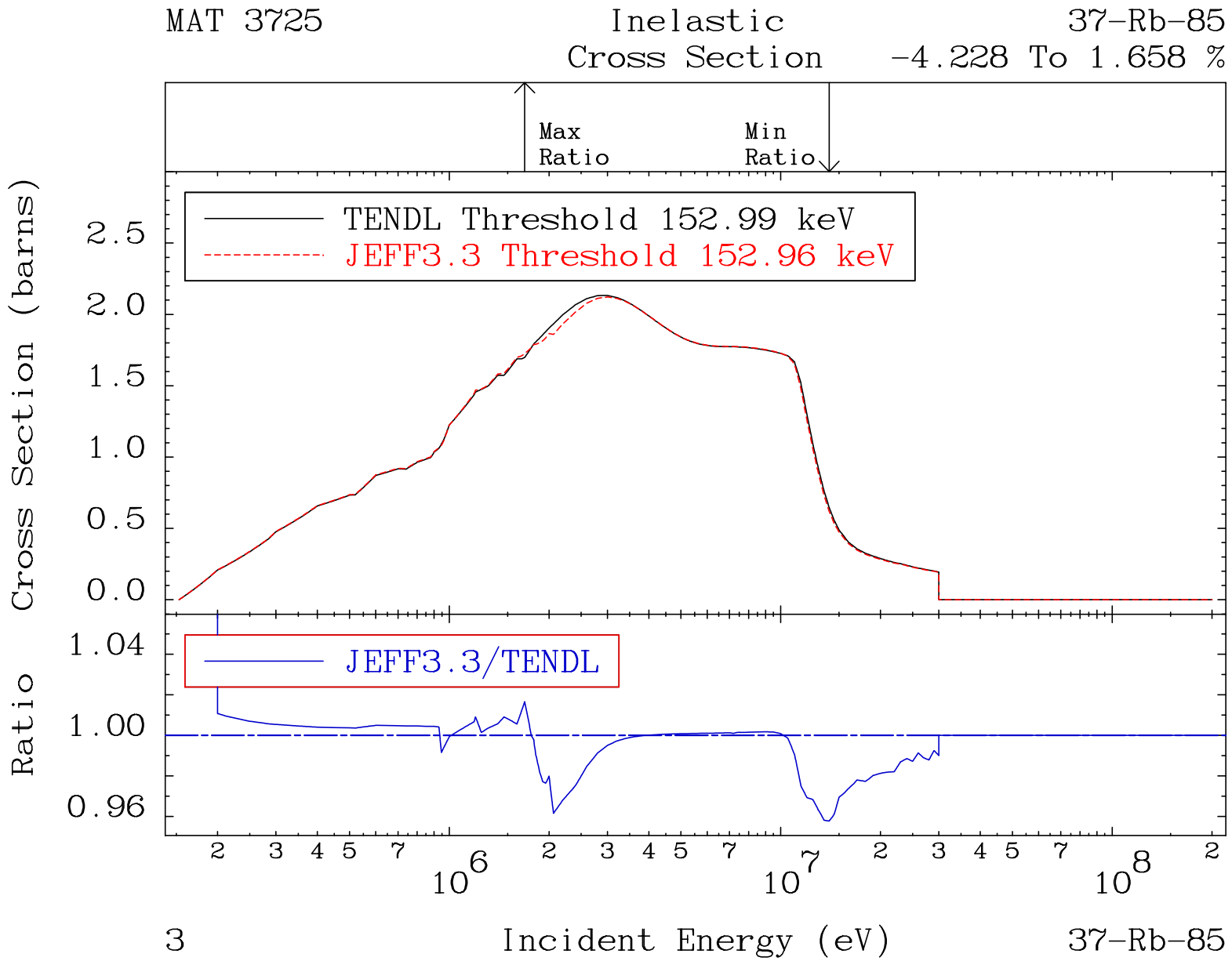
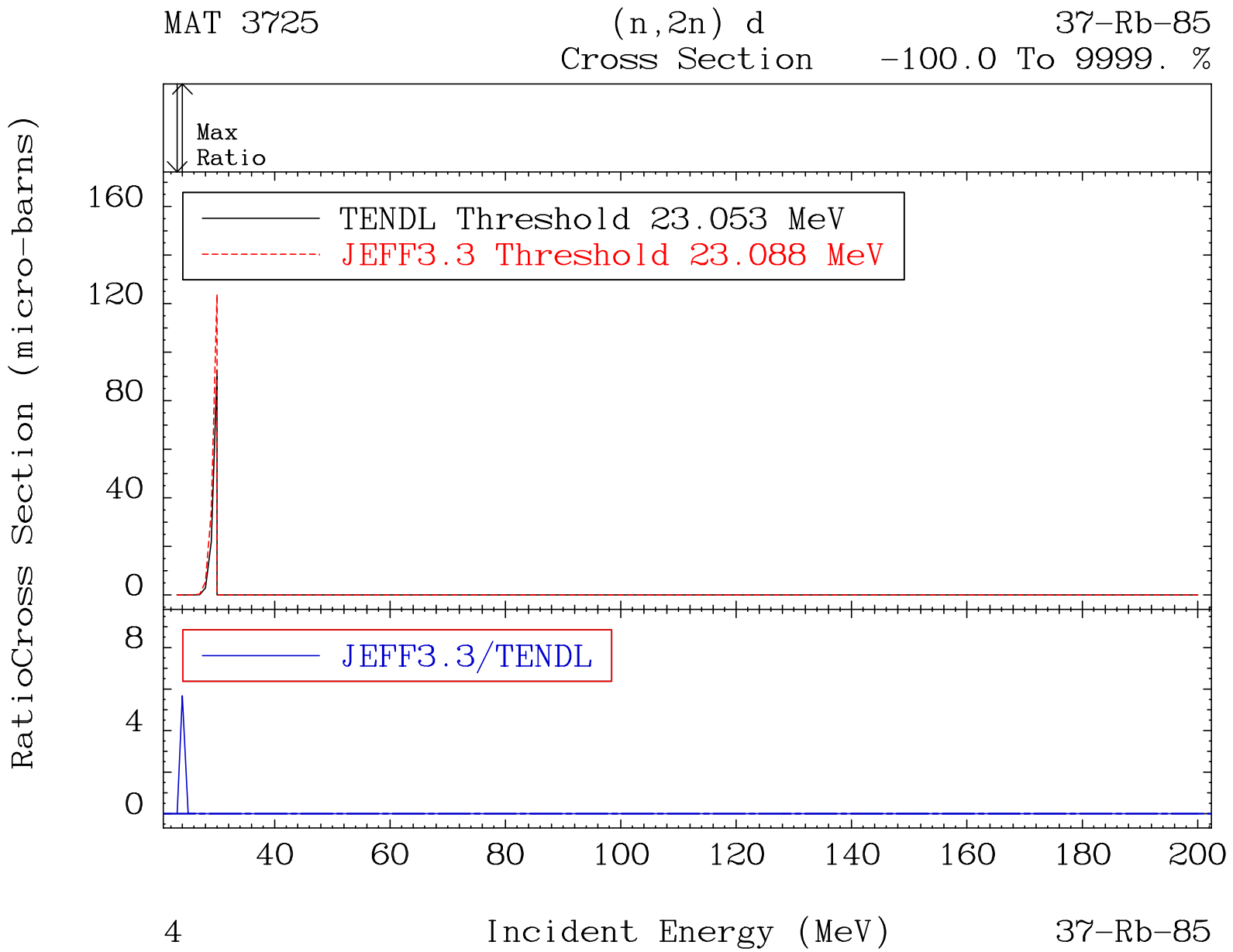
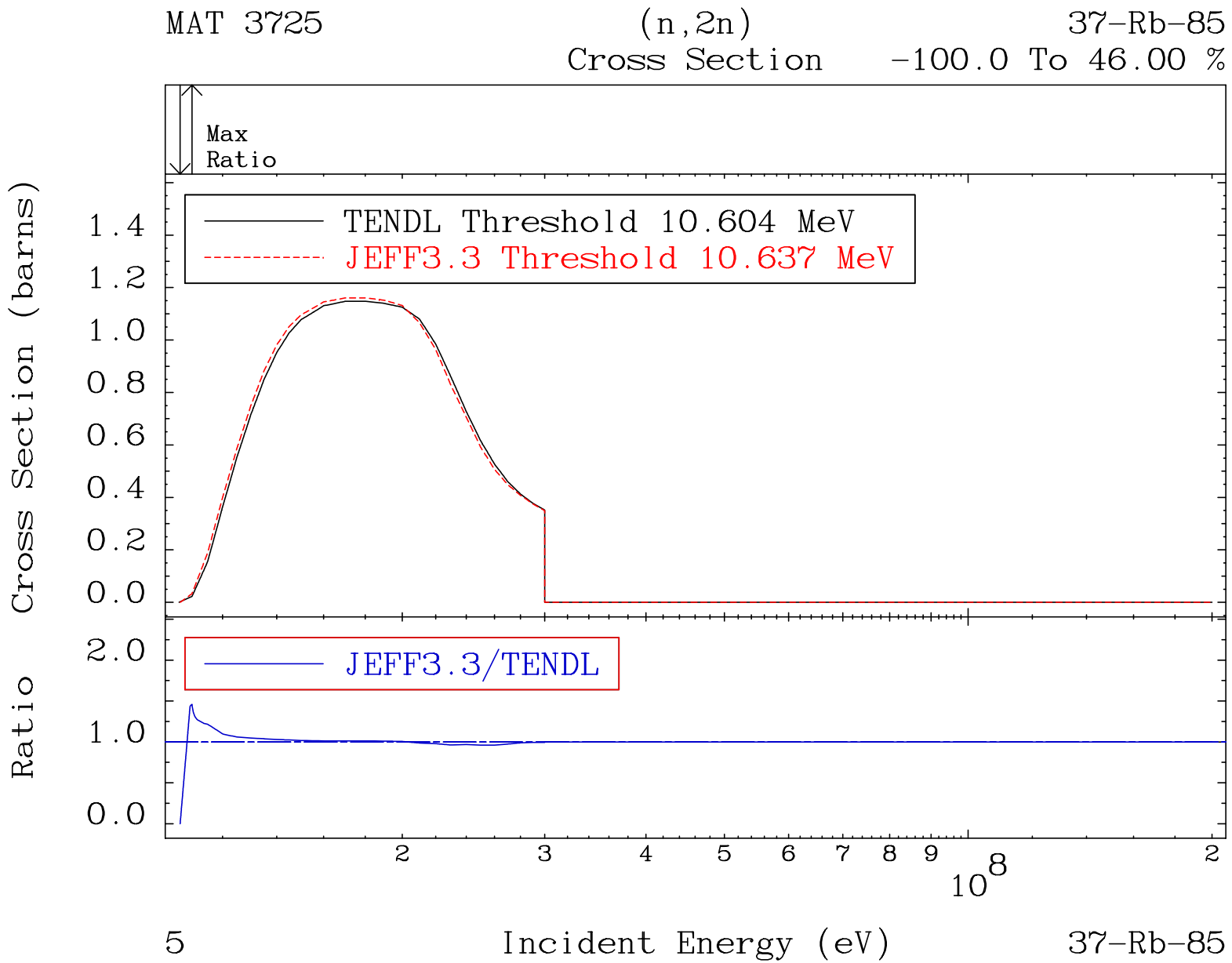
Press Mouse Button to Start

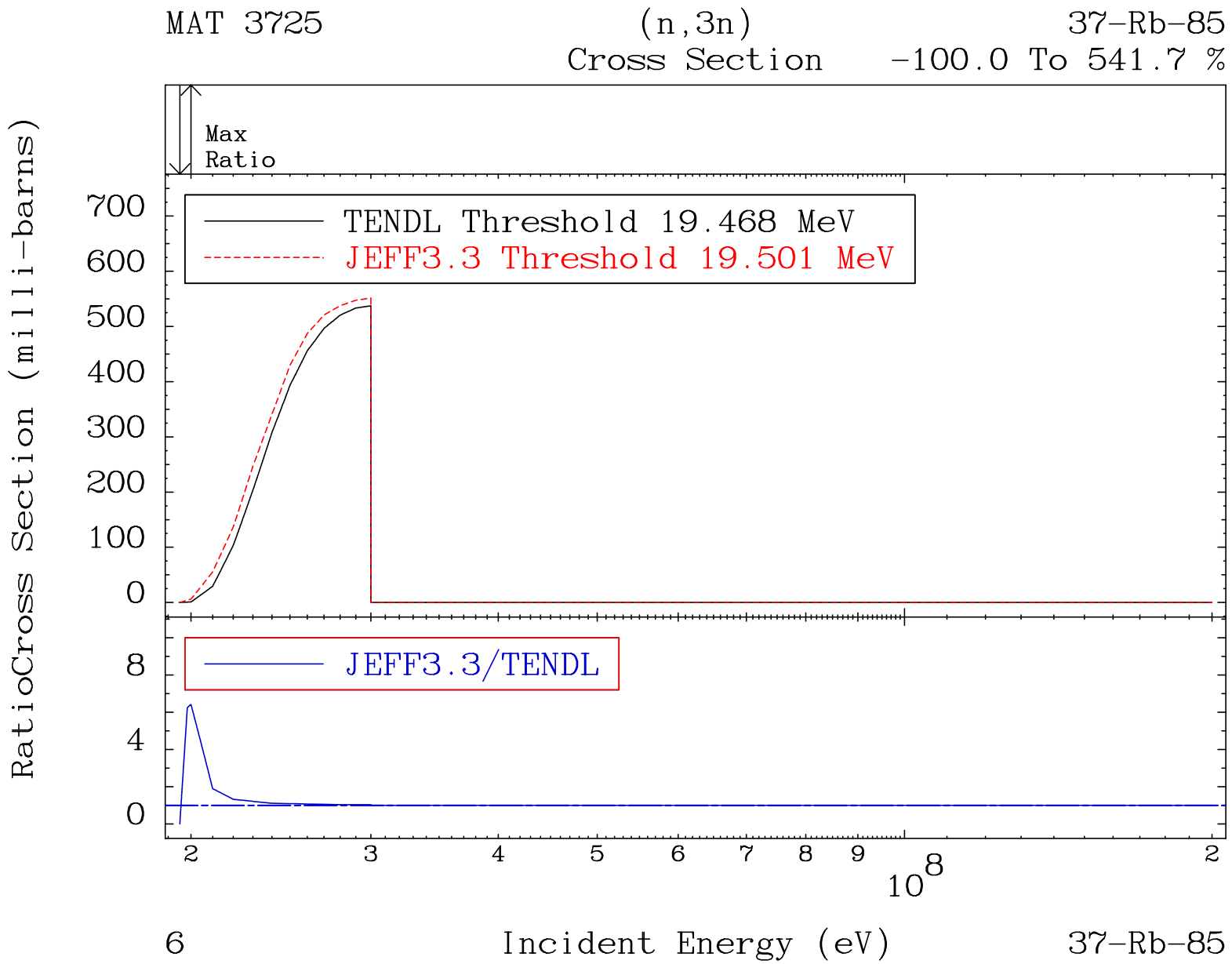

MAT 3725
Total
Cross Section
37-Rb-85
-97.49 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
37-Rb-85

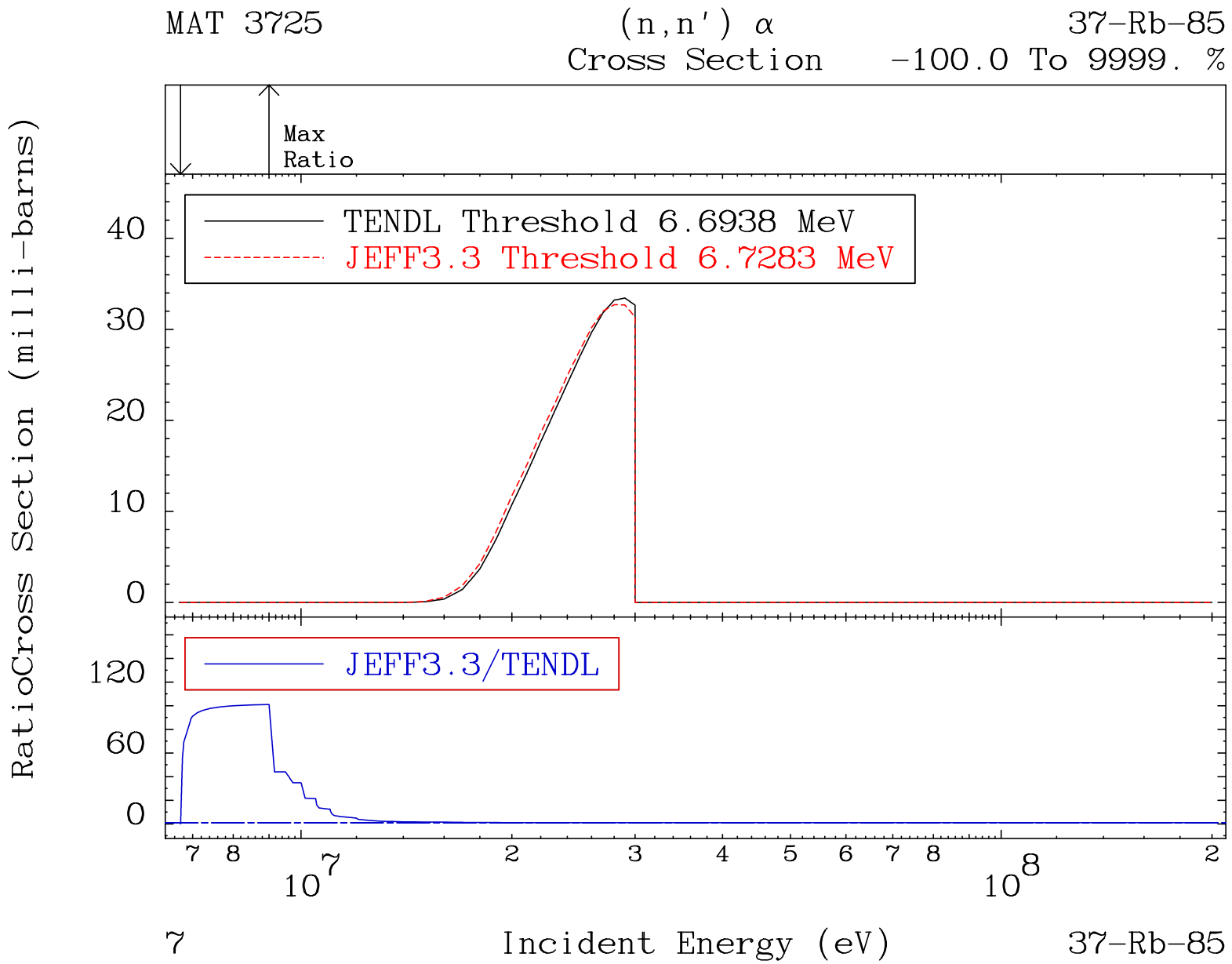

MAT 3725
Elastic
Cross Section
37-Rb-85
-99.39 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
37-Rb-85

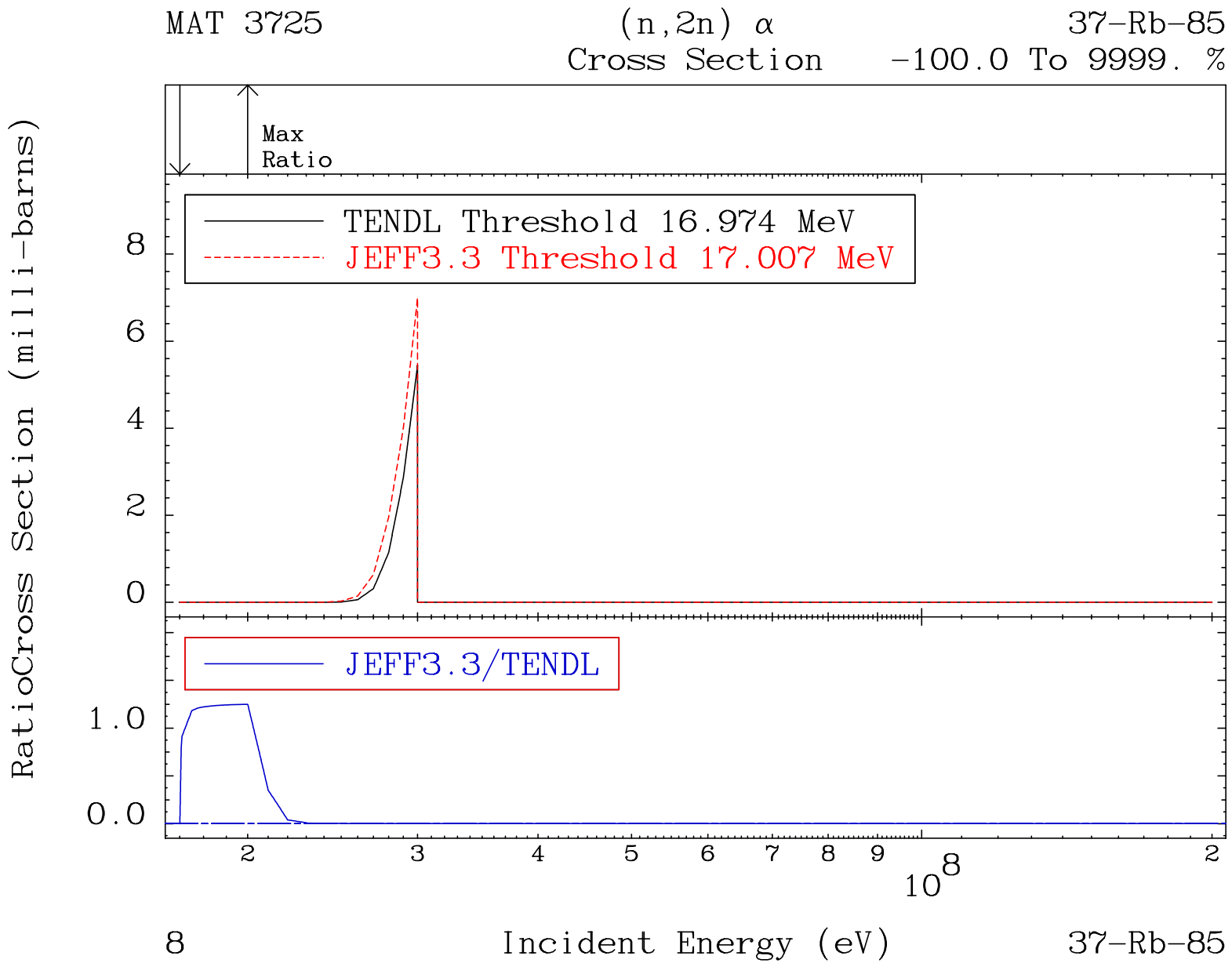

MAT 3725
Inelastic
Cross Section
37-Rb-85
-4.228 To 1.658 %
Max
Ratio
Min
Ratio
TENDL Threshold 152.99 keV
JEFF3.3 Threshold 152.96 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.04
1.00
0.96
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
3
Incident Energy (eV)
37-Rb-85

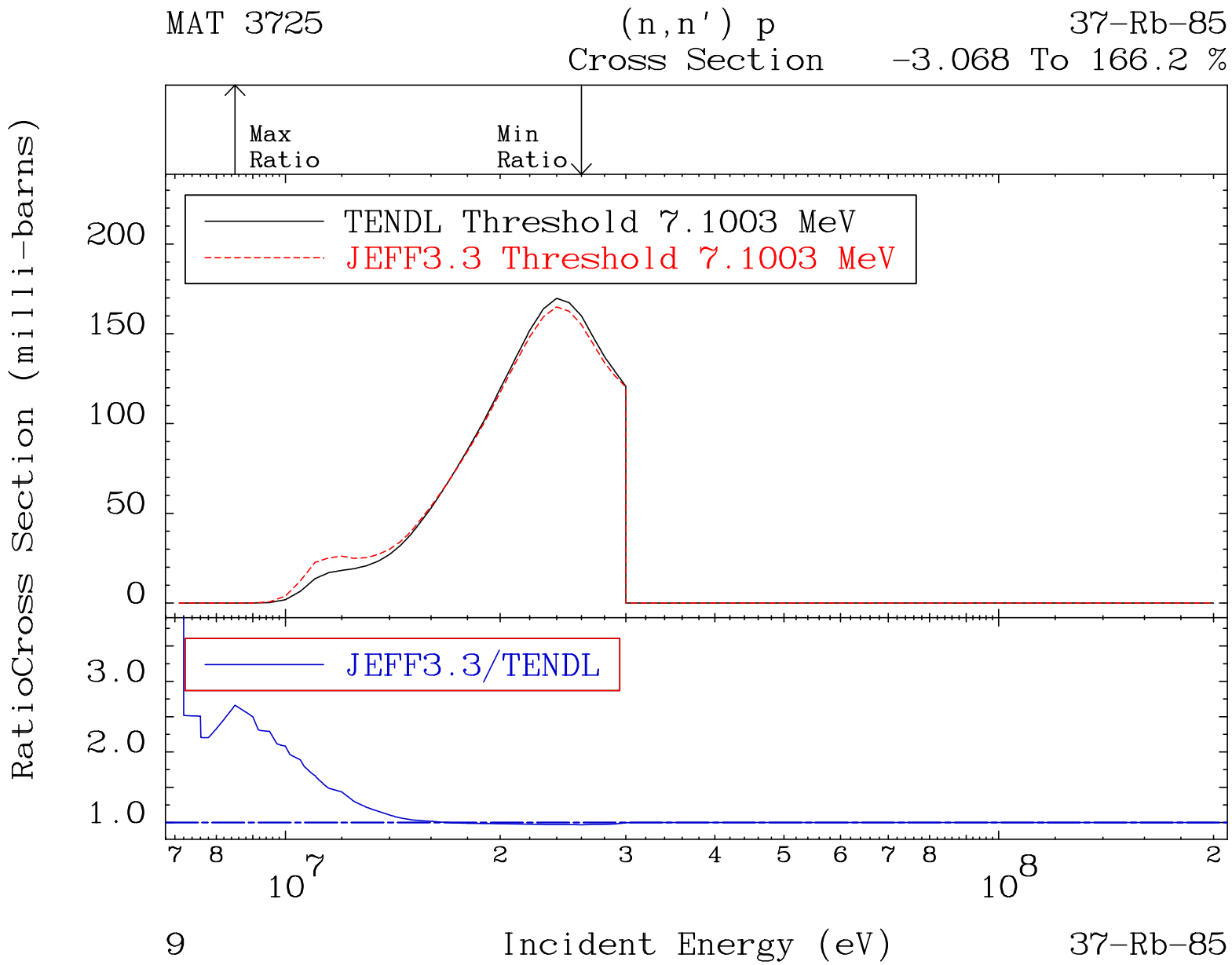

MAT 3725
(n,2n) d
37-Rb-85
Cross Section
-100.0 To 9999. %
Max
Ratio
160
120
80
40
0
TENDL Threshold 23.053 MeV
JEFF3.3 Threshold 23.088 MeV
8
4
0
JEFF3.3/TENDL
RatioCross Section (micro-barns)
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
37-Rb-85

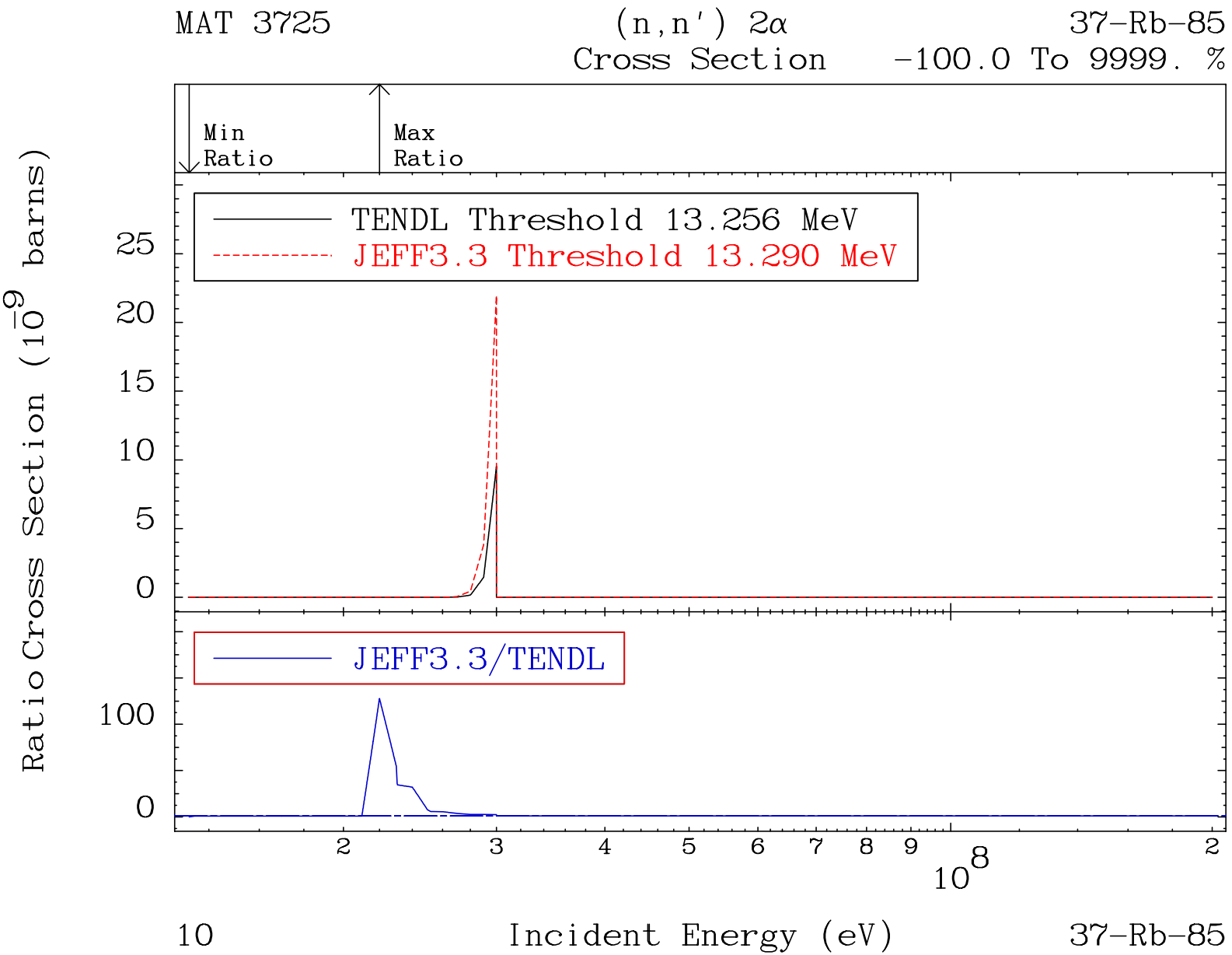

MAT 3725
(n,2n)
Cross Section
37-Rb-85
-100.0 To 46.00 %
Max
Ratio
TENDL Threshold 10.604 MeV
JEFF3.3 Threshold 10.637 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
5
Incident Energy (eV)
37-Rb-85

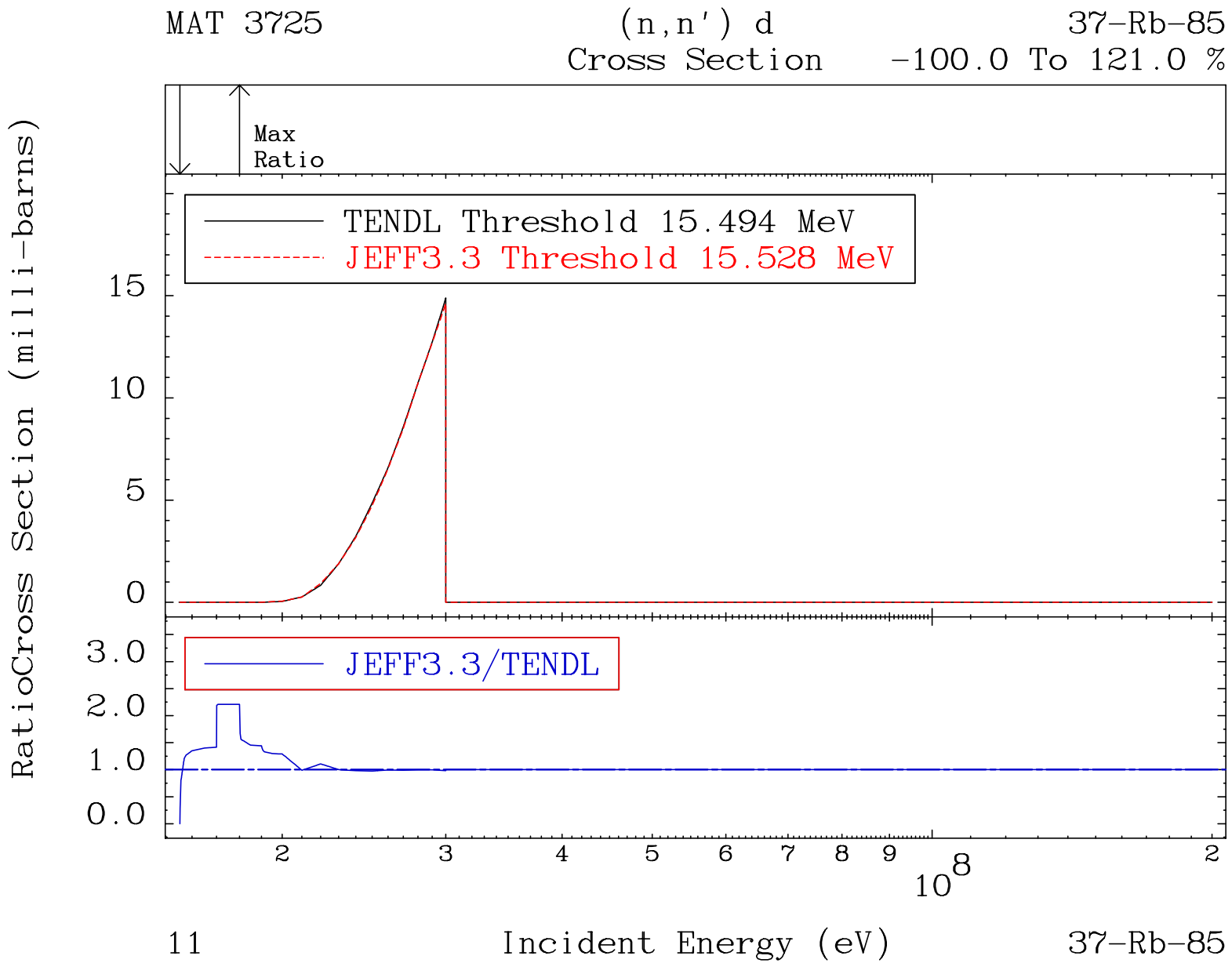

MAT 3725
(n,3n)
37-Rb-85
Cross Section
-100.0 To 541.7 %
Max
Ratio
TENDL Threshold 19.468 MeV
JEFF3.3 Threshold 19.501 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
37-Rb-85

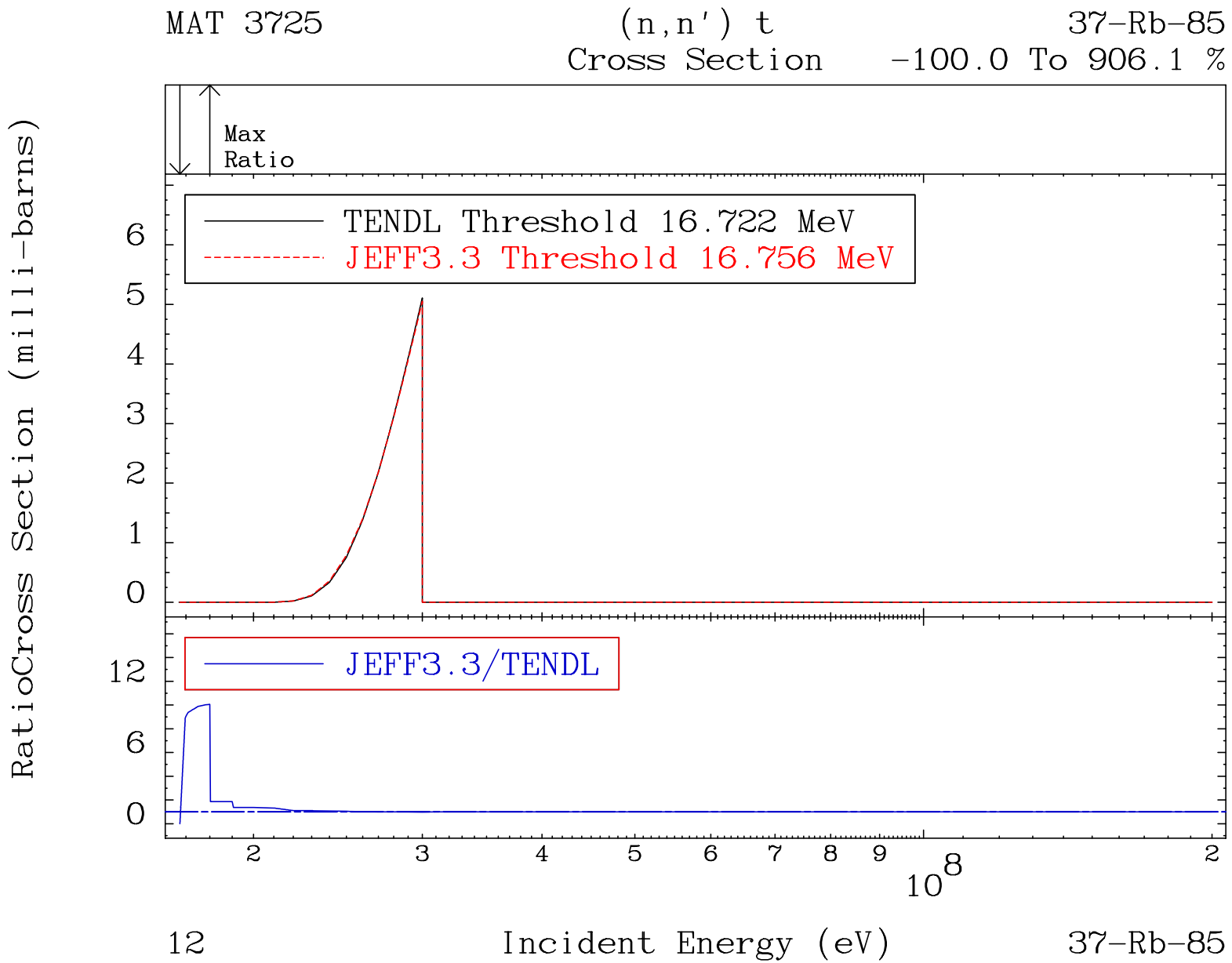

MAT 3725
(n,n') α
37-Rb-85
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.6938 MeV
JEFF3.3 Threshold 6.7283 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
120
60
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
7
Incident Energy (eV)
37-Rb-85

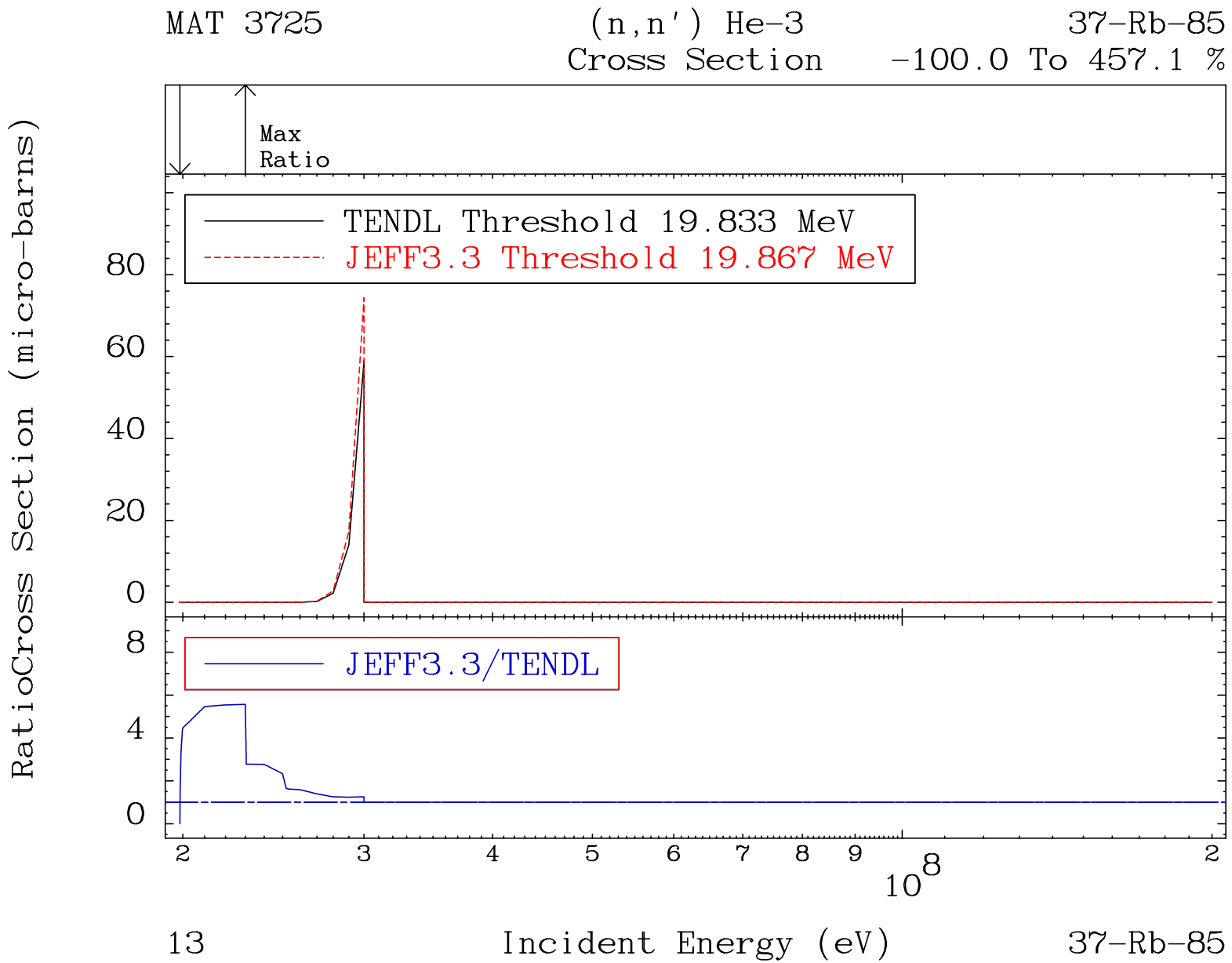

MAT 3725
(n,2n) α
37-Rb-85
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 16.974 MeV
JEFF3.3 Threshold 17.007 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
37-Rb-85

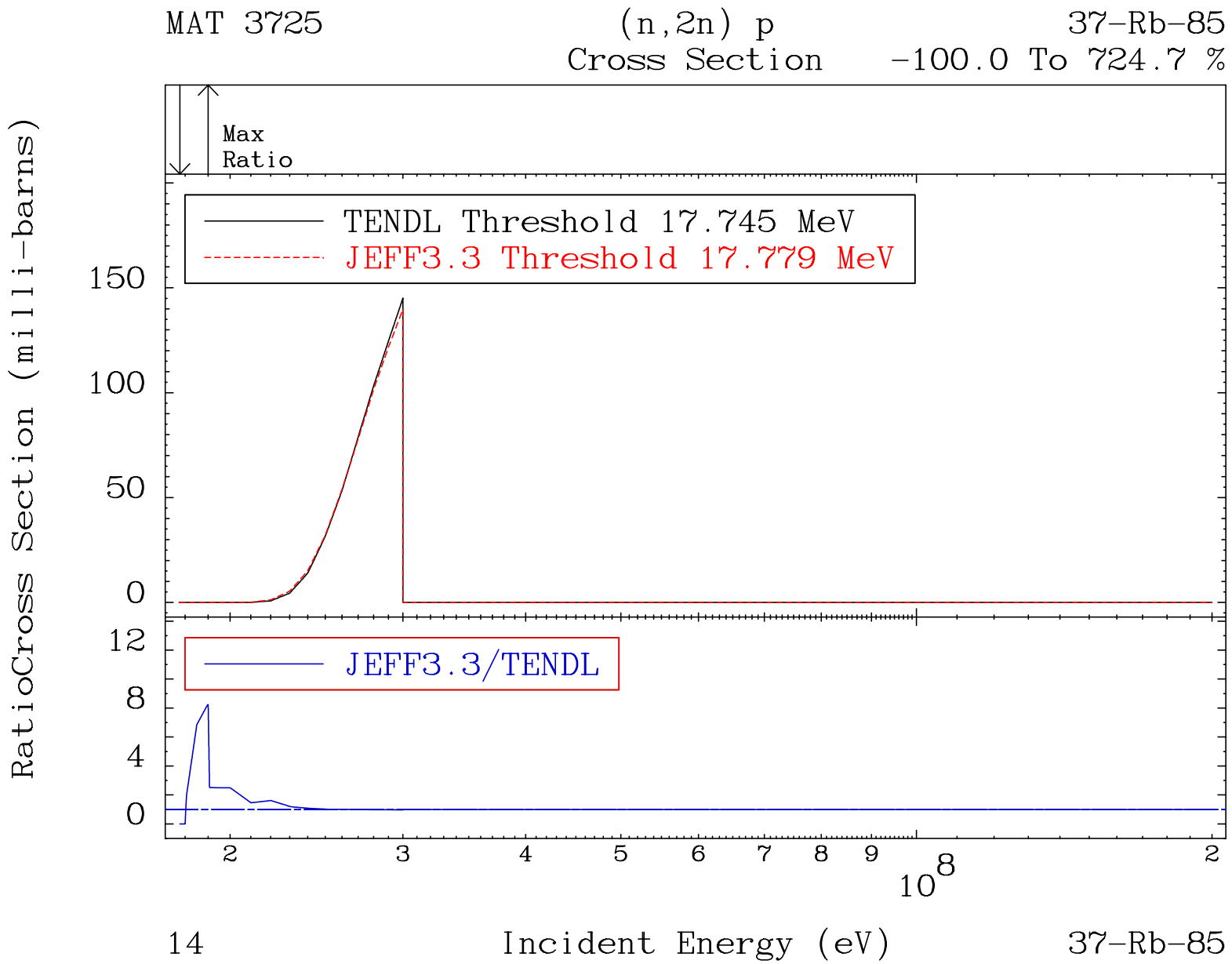

MAT 3725
(n,n') p
Cross Section
37-Rb-85
-3.068 To 166.2 %
Max Ratio
Min Ratio
TENDL Threshold 7.1003 MeV
JEFF3.3 Threshold 7.1003 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
3.0
2.0
1.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
9
37-Rb-85

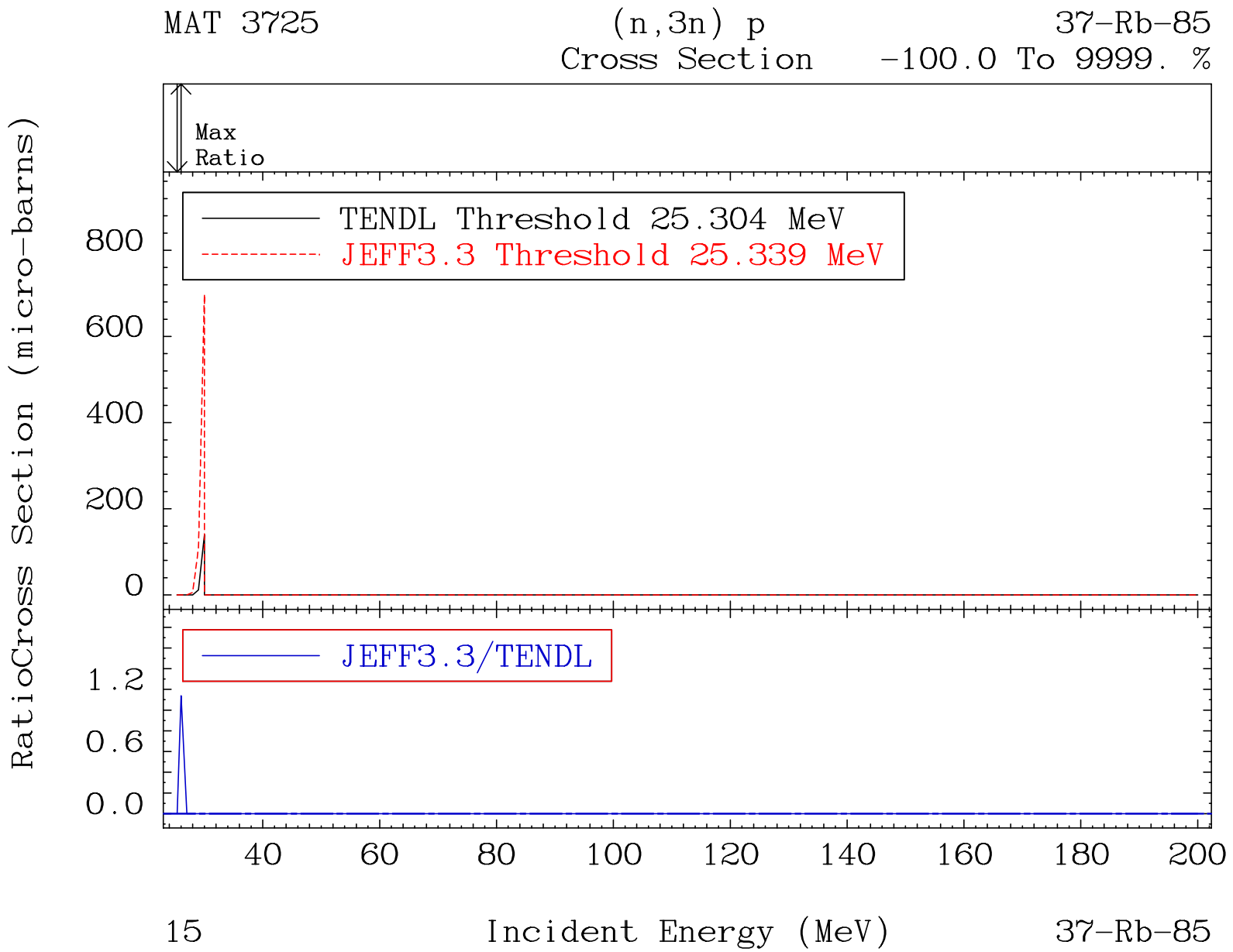

MAT 3725
(n,n') 2α
37-Rb-85
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 13.256 MeV
JEFF3.3 Threshold 13.290 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
25
20
15
10
5
0
100
0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
37-Rb-85

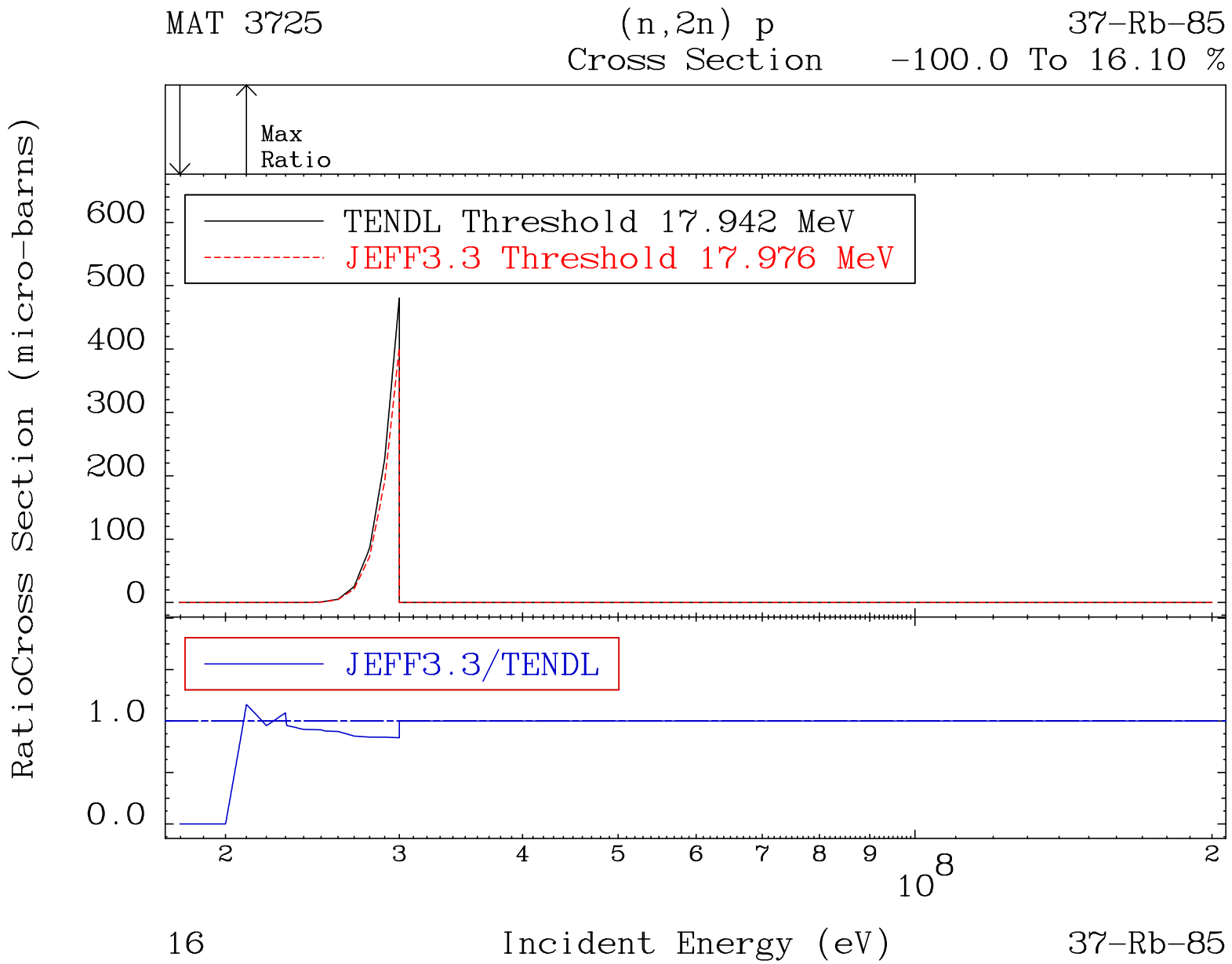

MAT 3725
(n,n') d
Cross Section
37-Rb-85
-100.0 To 121.0 %
Max
Ratio
TENDL Threshold 15.494 MeV
JEFF3.3 Threshold 15.528 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
15
10
5
0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
37-Rb-85

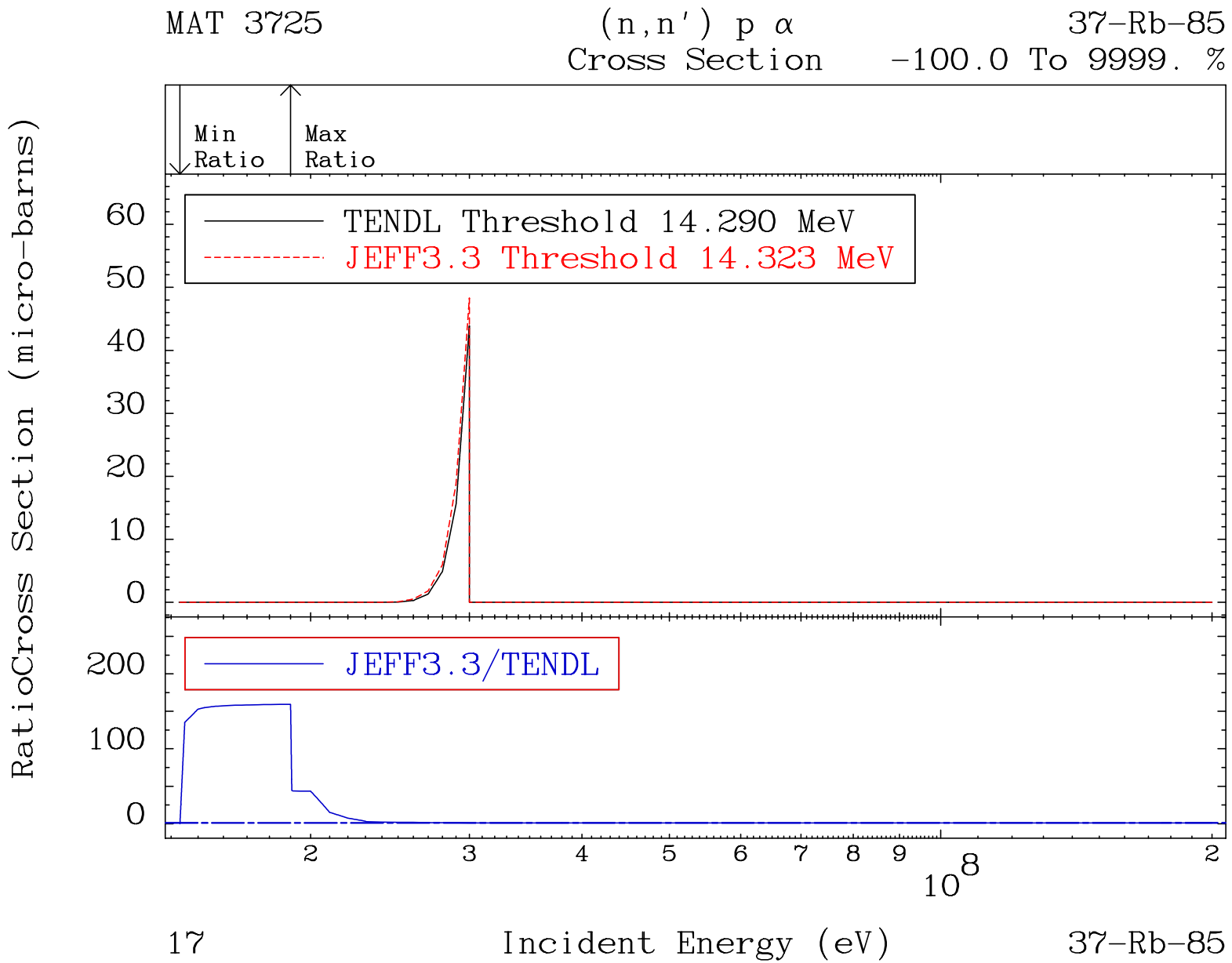

MAT 3725
(n,n') t
Cross Section
37-Rb-85
-100.0 To 906.1 %
Max
Ratio
TENDL Threshold 16.722 MeV
JEFF3.3 Threshold 16.756 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
12
37-Rb-85

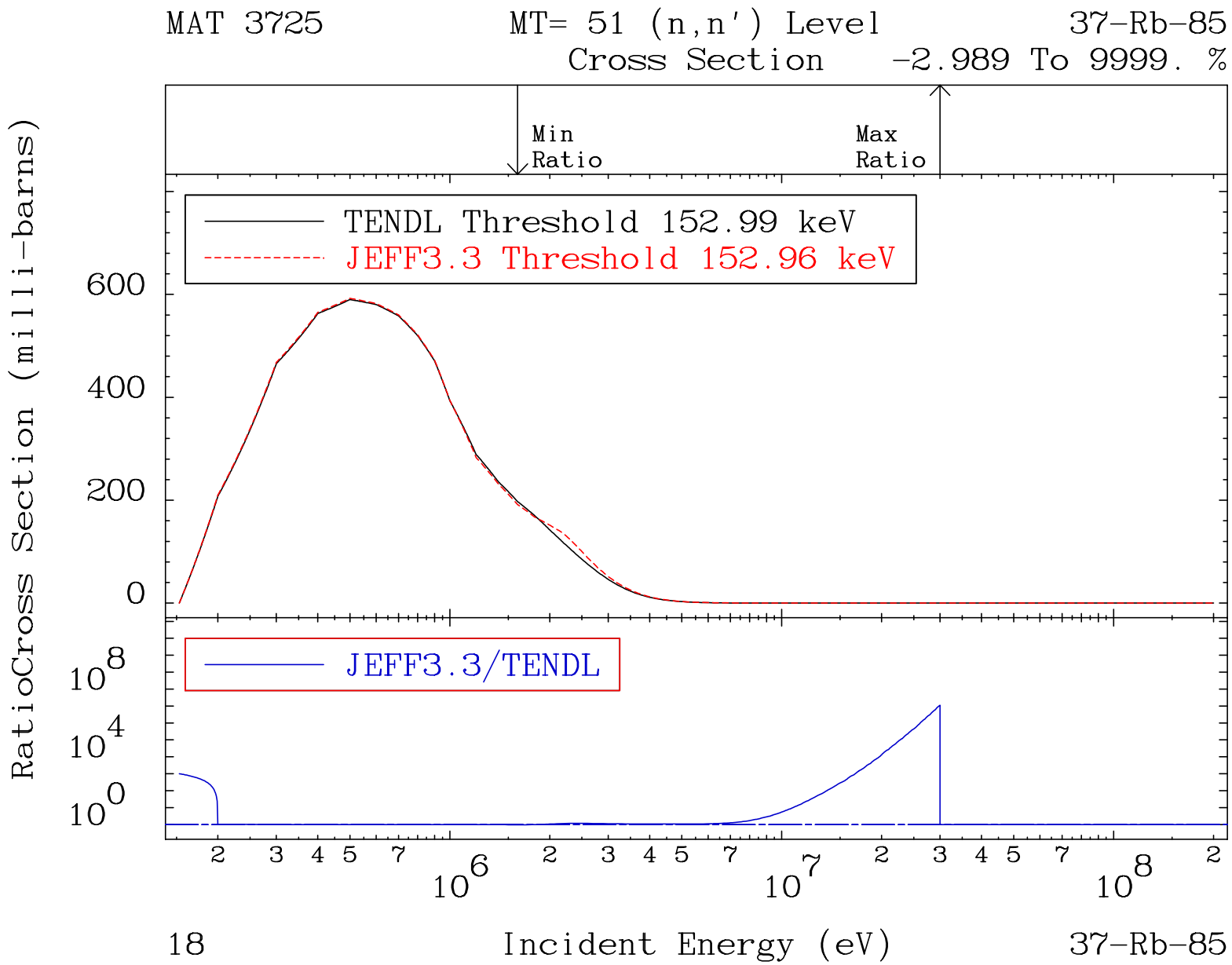

MAT 3725
(n,n') He-3
Cross Section
37-Rb-85
-100.0 To 457.1 %
Max
Ratio
TENDL Threshold 19.833 MeV
JEFF3.3 Threshold 19.867 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
80
60
40
20
0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
37-Rb-85

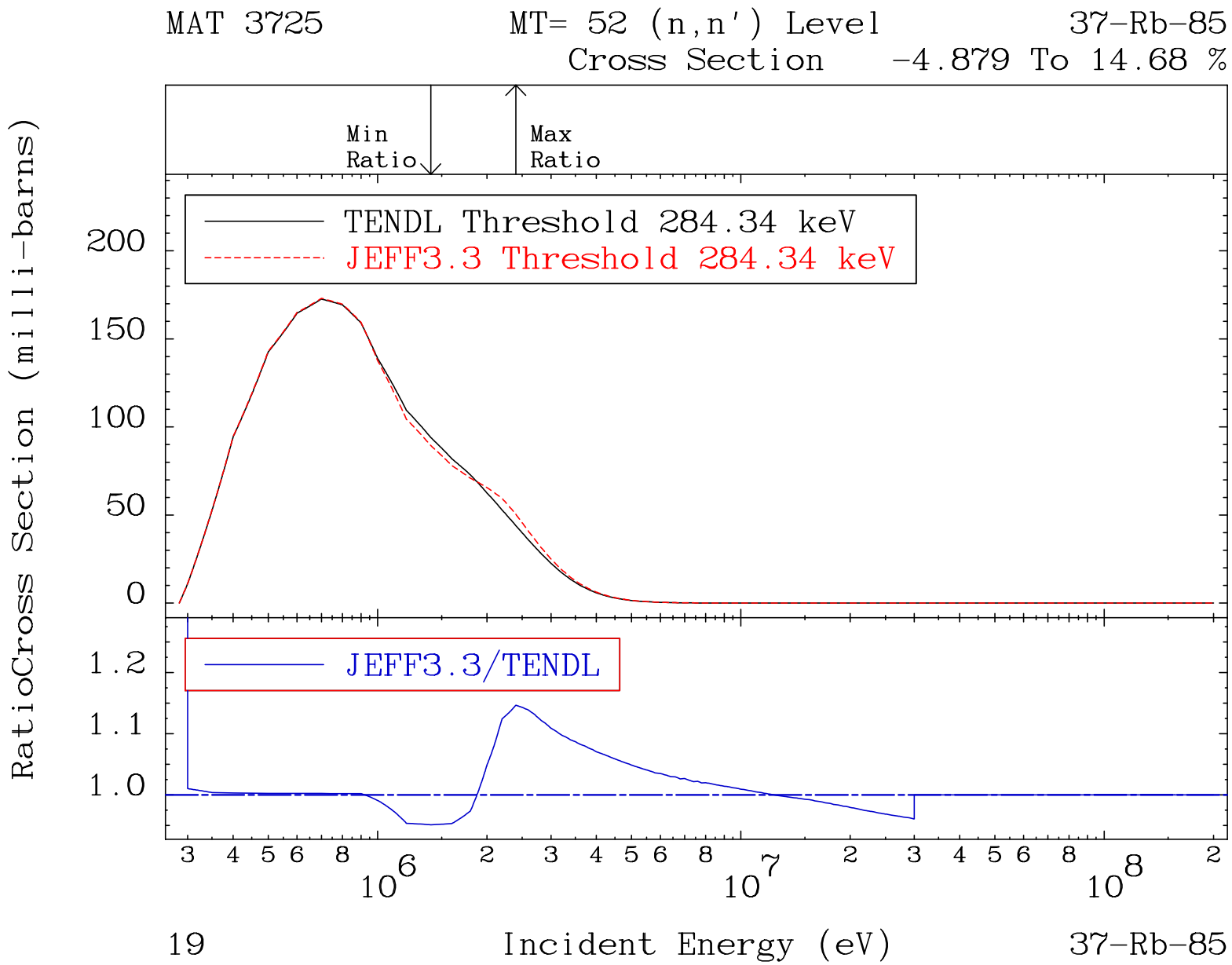

MAT 3725
(n,2n) p
Cross Section
37-Rb-85
-100.0 To 724.7 %
Max
Ratio
TENDL Threshold 17.745 MeV
JEFF3.3 Threshold 17.779 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
150
100
50
0
12
8
4
0
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
37-Rb-85

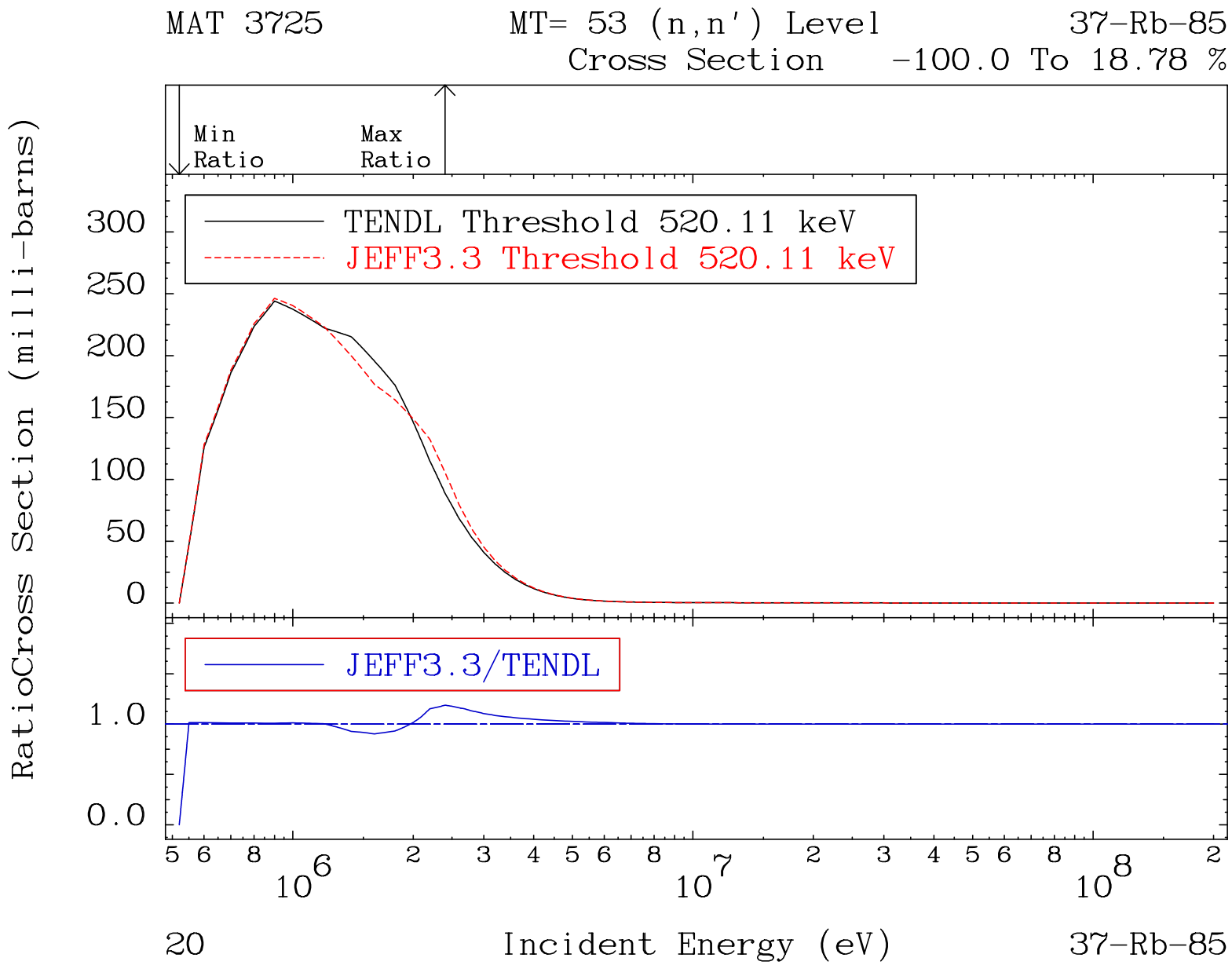

MAT 3725
(n,3n) p
37-Rb-85
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 25.304 MeV
JEFF3.3 Threshold 25.339 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
1.2
0.6
0.0
40
60
80
100
120
140
160
180
200
15
Incident Energy (MeV)
37-Rb-85

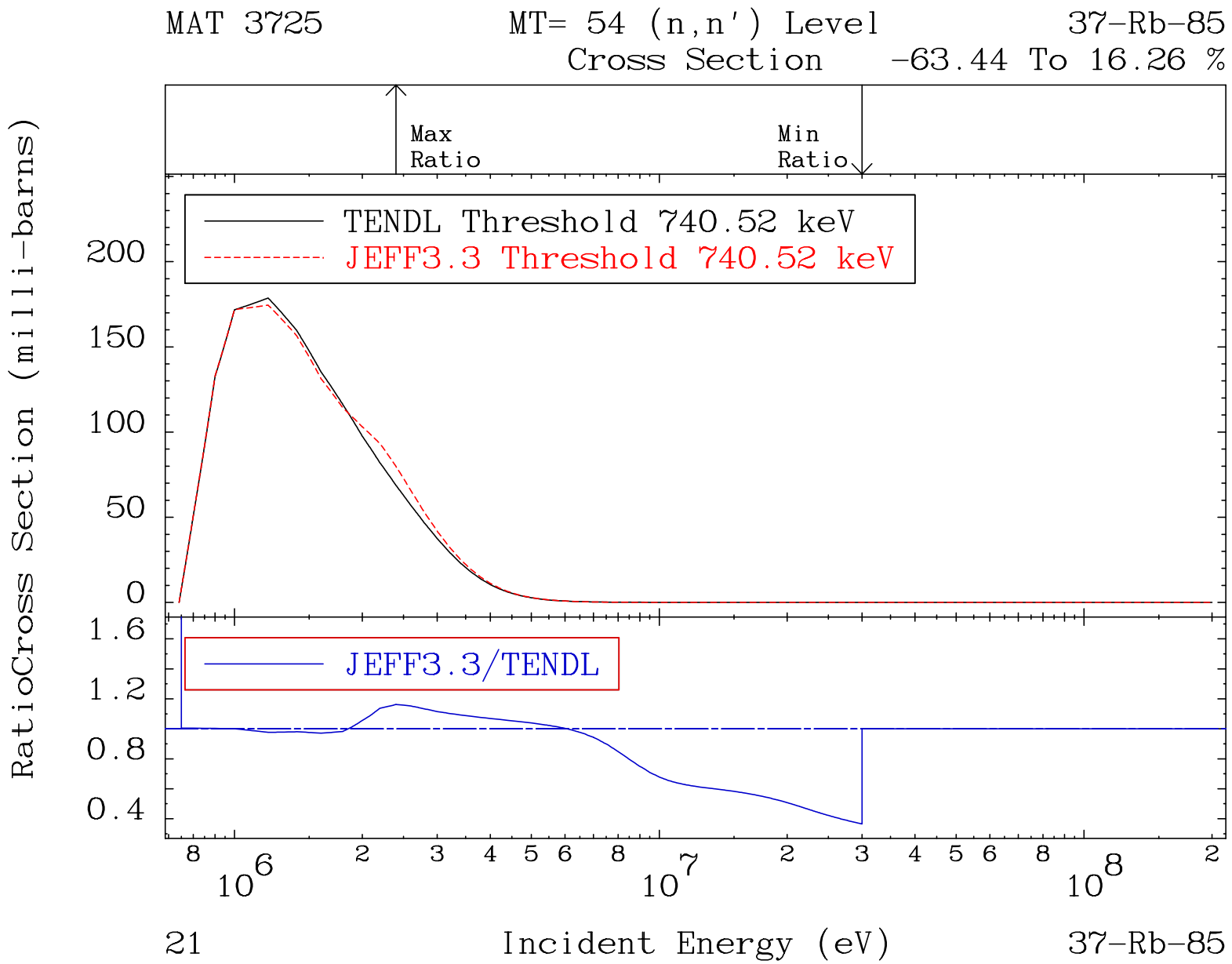

MAT 3725
(n,2n) p
Cross Section
37-Rb-85
-100.0 To 16.10 %
Max
Ratio
TENDL Threshold 17.942 MeV
JEFF3.3 Threshold 17.976 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
37-Rb-85

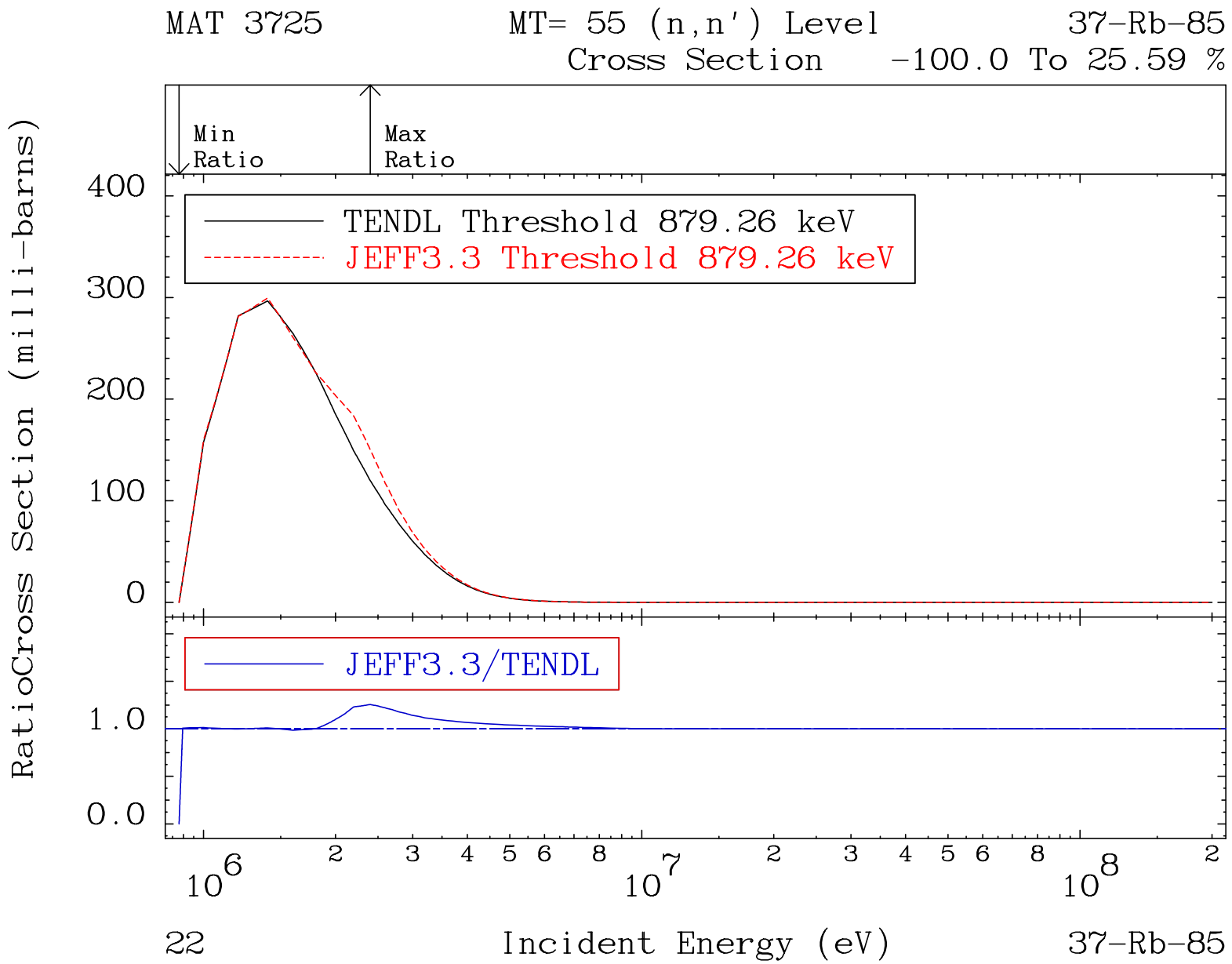

MAT 3725
(n,n') p α
37-Rb-85
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 14.290 MeV
JEFF3.3 Threshold 14.323 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
60
50
40
30
20
10
0
200
100
0
2
3
4
5
6
7
8
9
10^8
2
17
Incident Energy (eV)
37-Rb-85

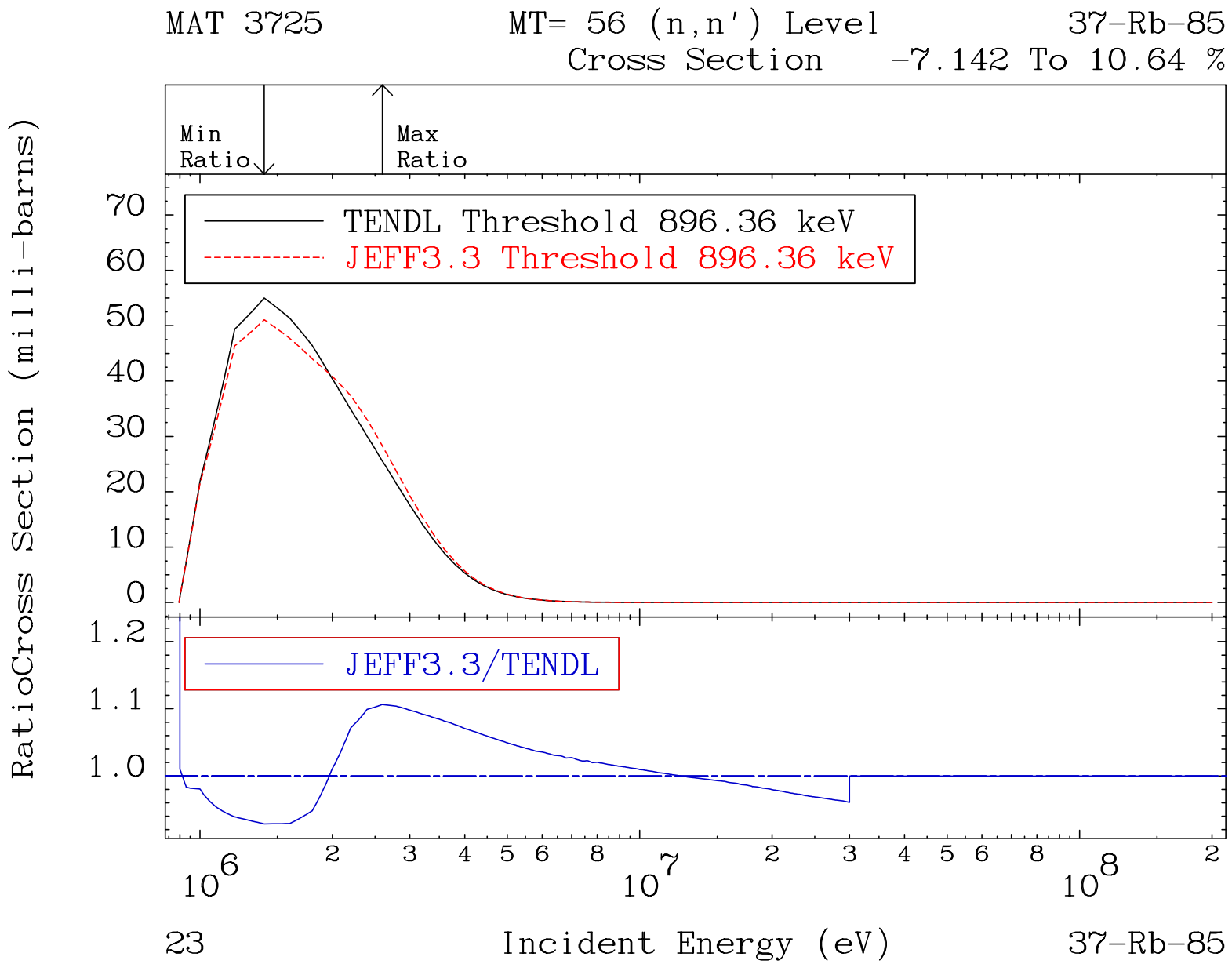

MAT 3725
MT= 51 (n,n') Level
37-Rb-85
Cross Section
-2.989 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 152.99 keV
JEFF3.3 Threshold 152.96 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
600
400
200
0
10^8
10^4
10^0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
18
Incident Energy (eV)
37-Rb-85

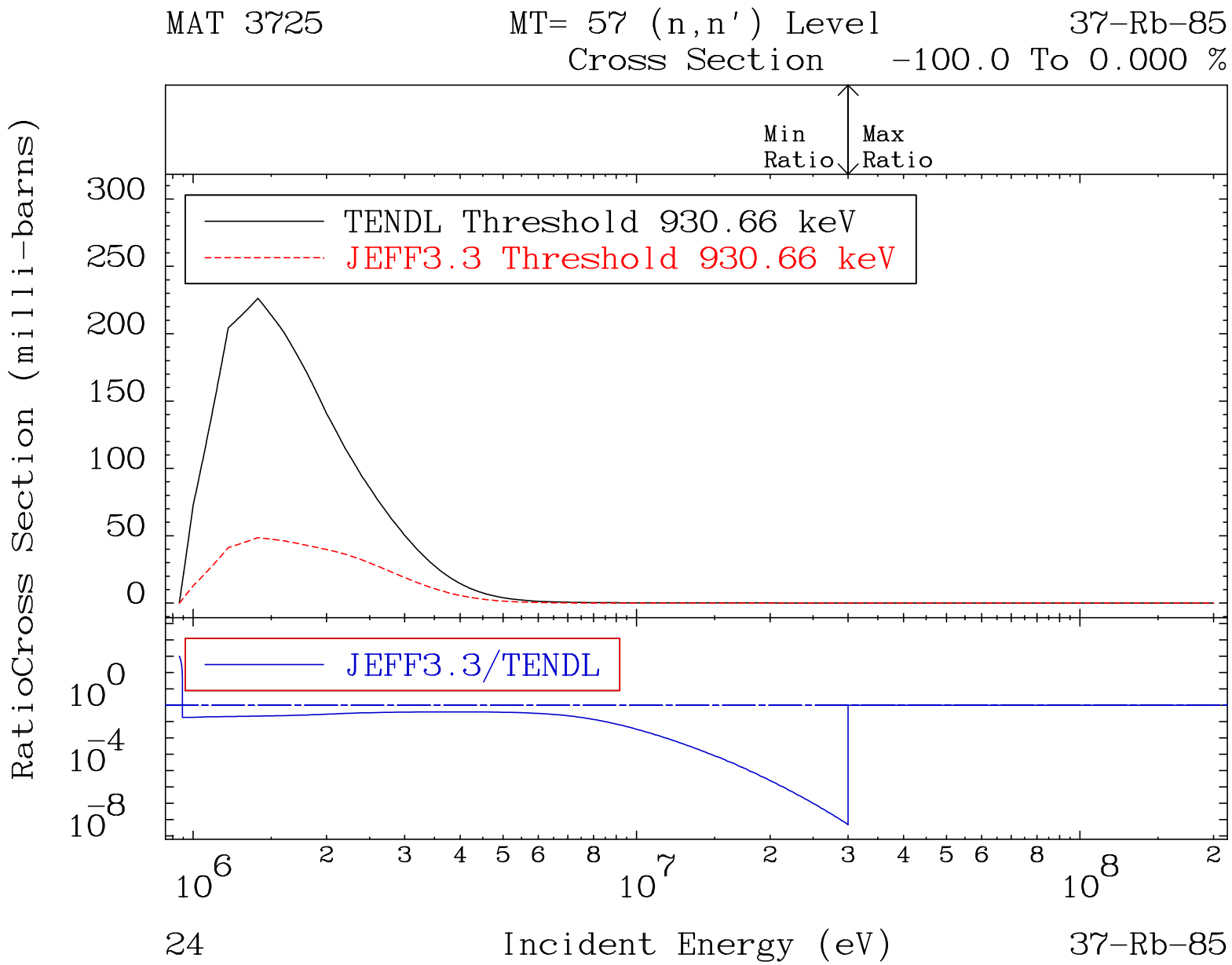

MAT 3725
MT= 52 (n,n') Level
37-Rb-85
Cross Section
-4.879 To 14.68 %
Min Ratio
Max Ratio
TENDL Threshold 284.34 keV
JEFF3.3 Threshold 284.34 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
1.1
1.0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
37-Rb-85

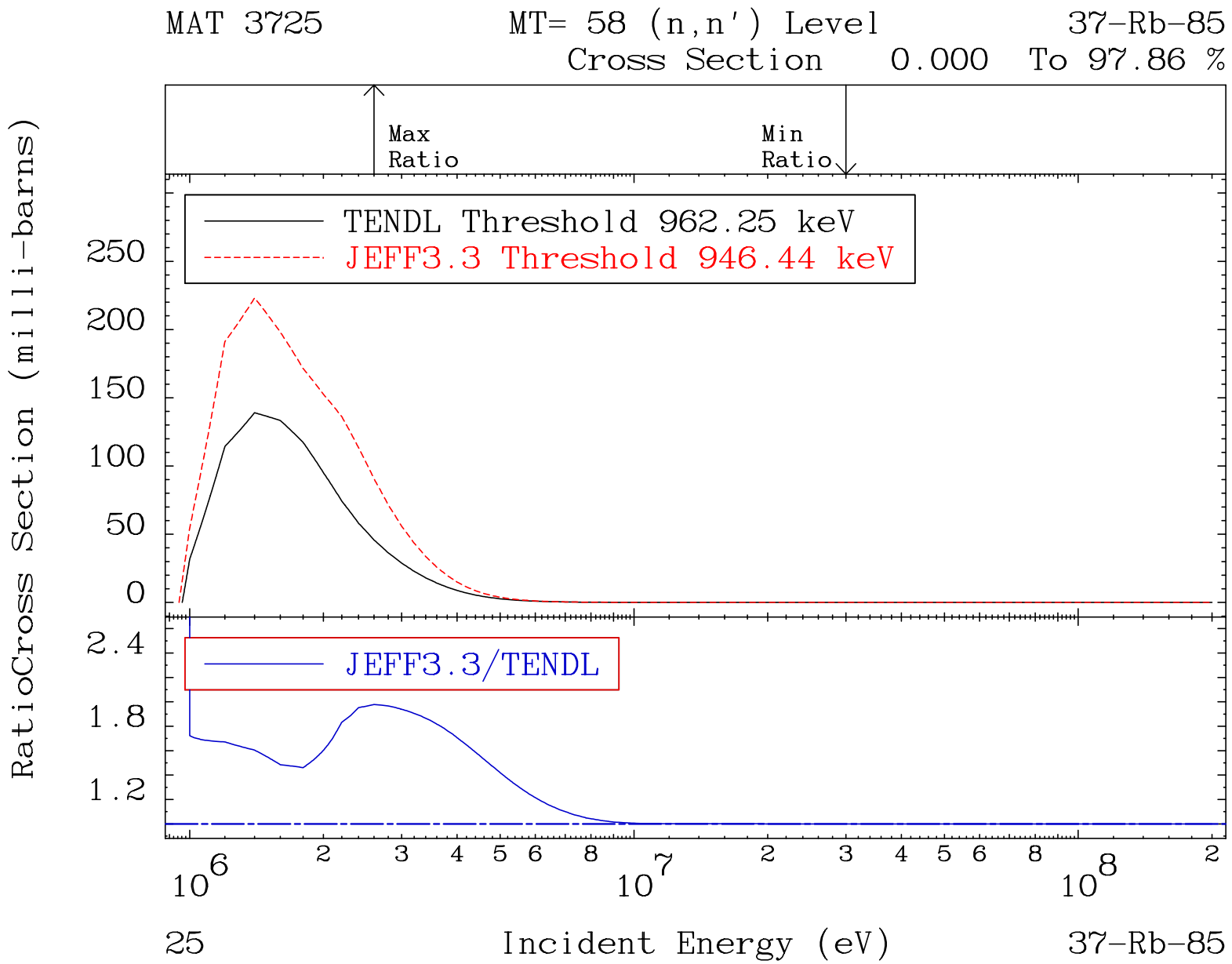

MAT 3725
MT= 53 (n,n') Level
37-Rb-85
Cross Section -100.0 To 18.78 %
Min Ratio
Max Ratio
TENDL Threshold 520.11 keV
JEFF3.3 Threshold 520.11 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.0
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
20
Incident Energy (eV)
37-Rb-85

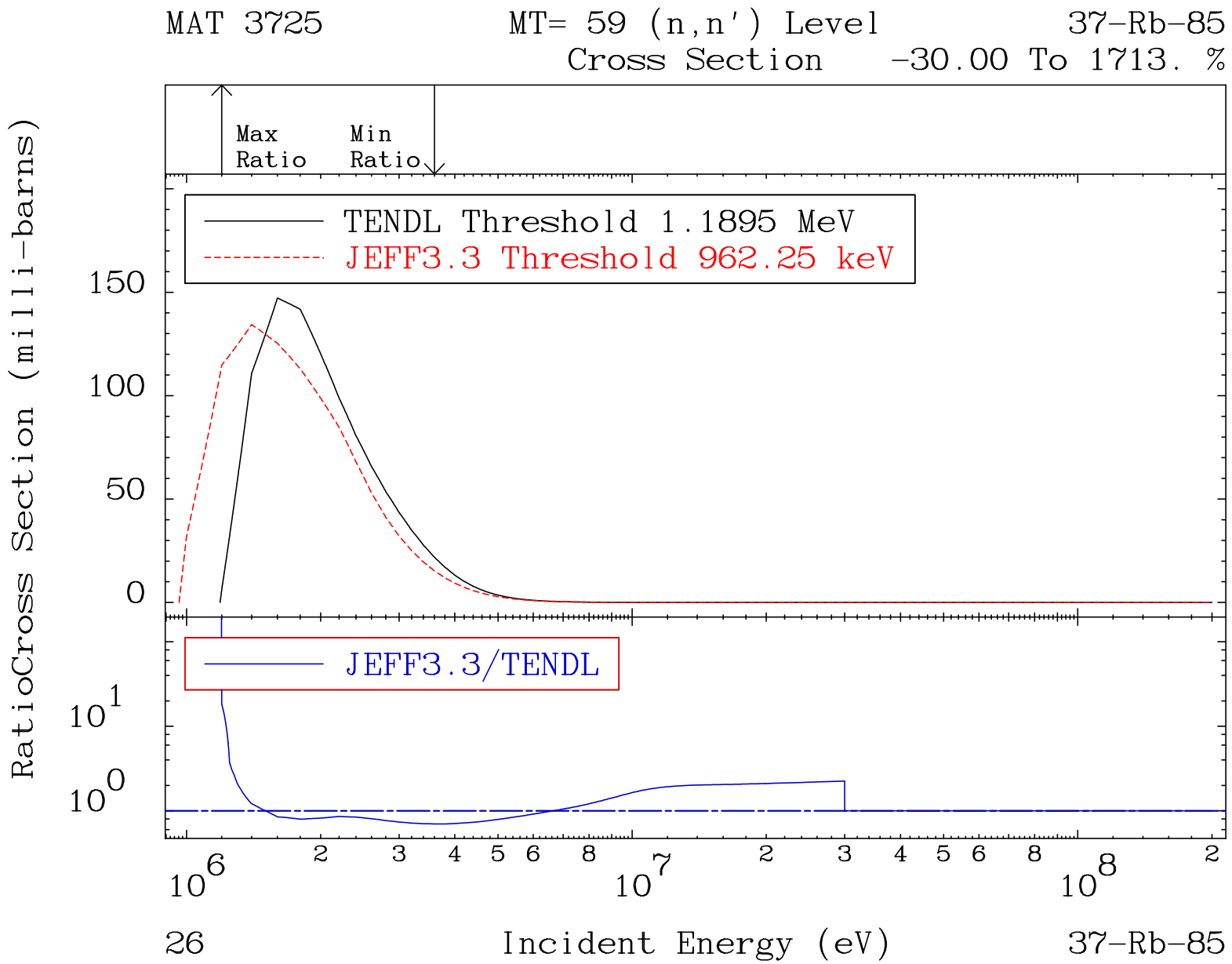

MAT 3725
MT= 54 (n,n') Level
37-Rb-85
Cross Section
-63.44 To 16.26 %
Max Ratio
Min Ratio
TENDL Threshold 740.52 keV
JEFF3.3 Threshold 740.52 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.6
1.2
0.8
0.4
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
21
Incident Energy (eV)
37-Rb-85

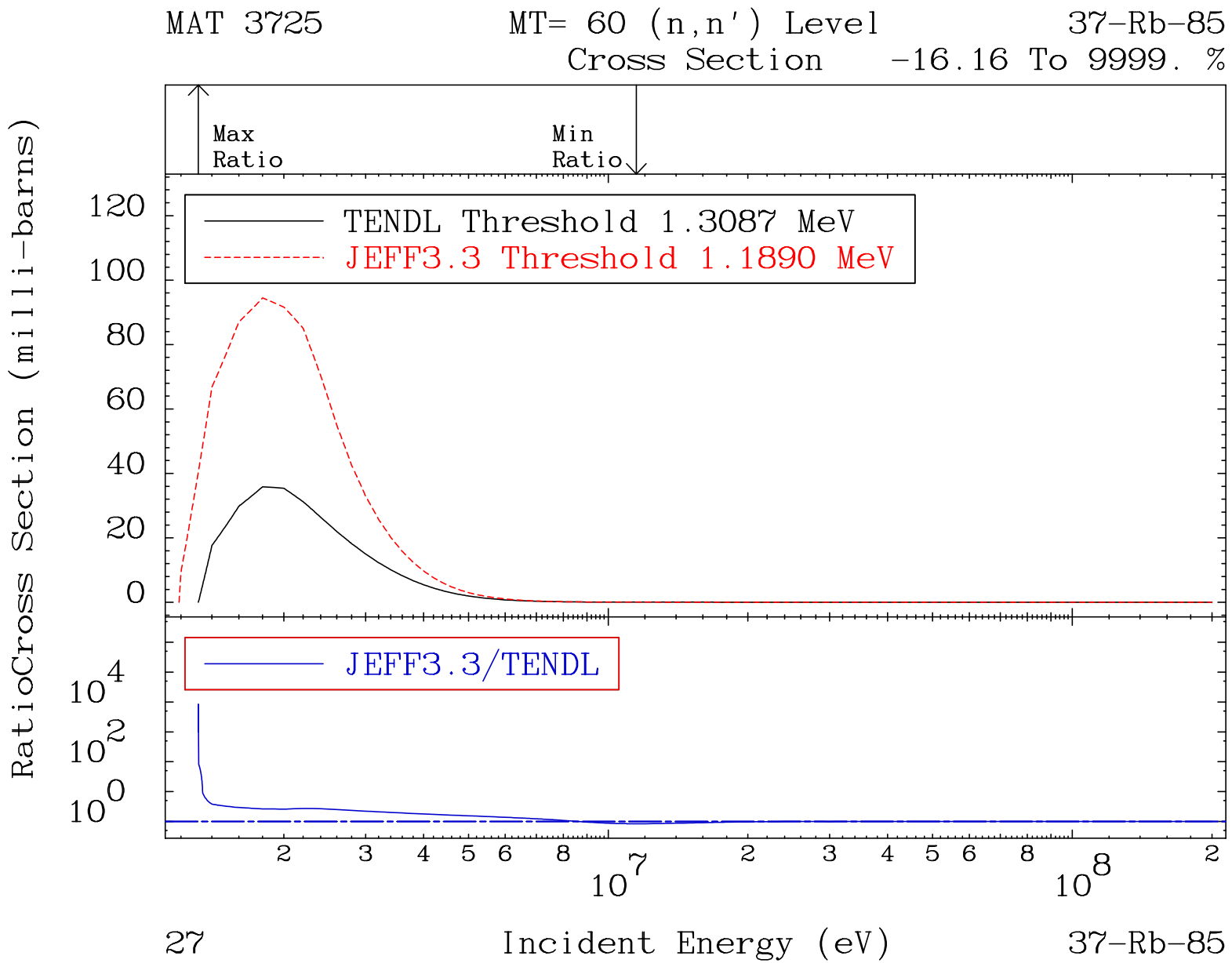

MAT 3725
MT= 55 (n,n') Level
37-Rb-85
Cross Section -100.0 To 25.59 %
Min Ratio
Max Ratio
TENDL Threshold 879.26 keV
JEFF3.3 Threshold 879.26 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.0
0.0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
22
Incident Energy (eV)
37-Rb-85

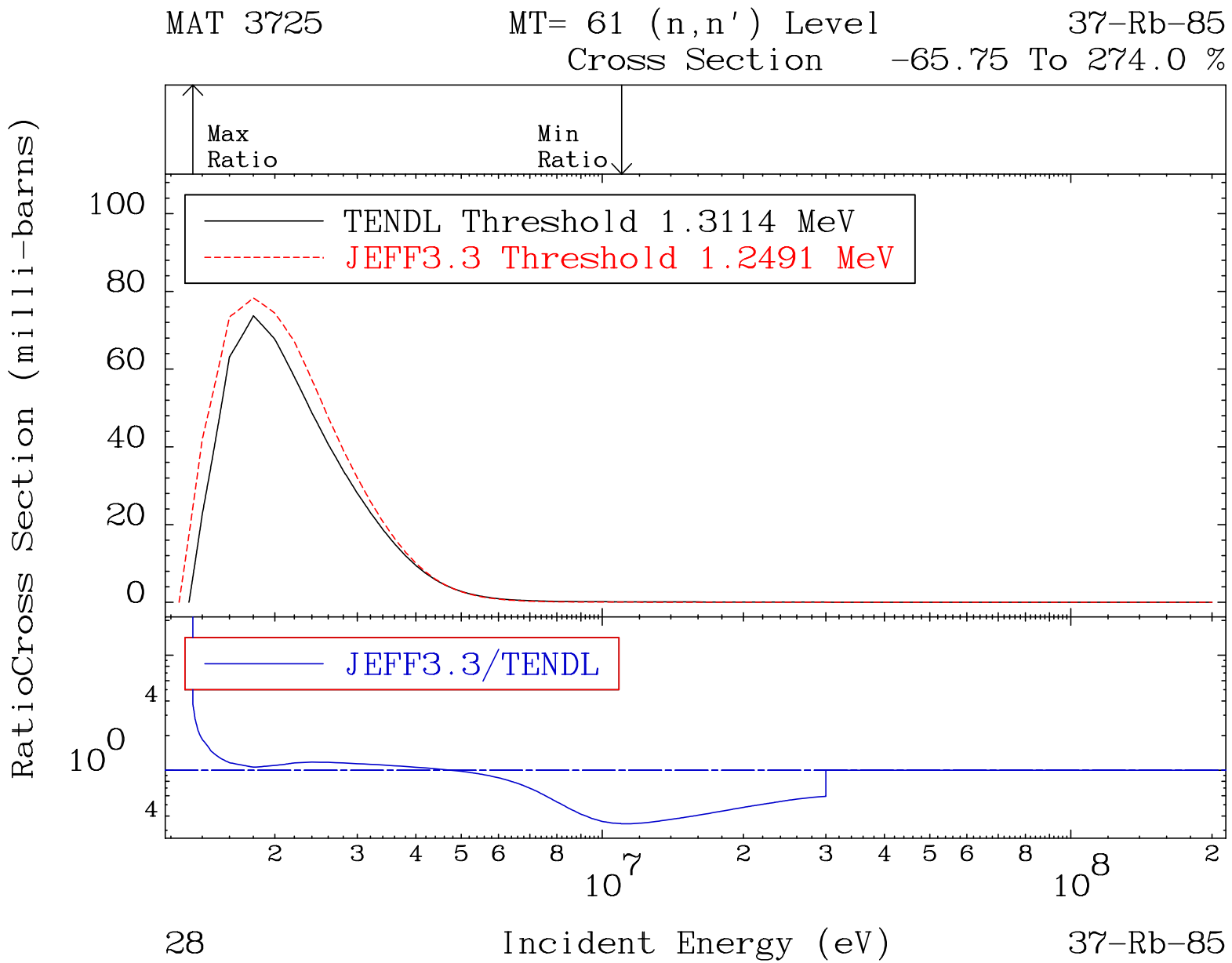

MAT 3725
MT= 56 (n,n') Level
37-Rb-85
Cross Section
-7.142 To 10.64 %
Min Ratio
Max Ratio
TENDL Threshold 896.36 keV
JEFF3.3 Threshold 896.36 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.2
1.1
1.0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
23
Incident Energy (eV)
37-Rb-85

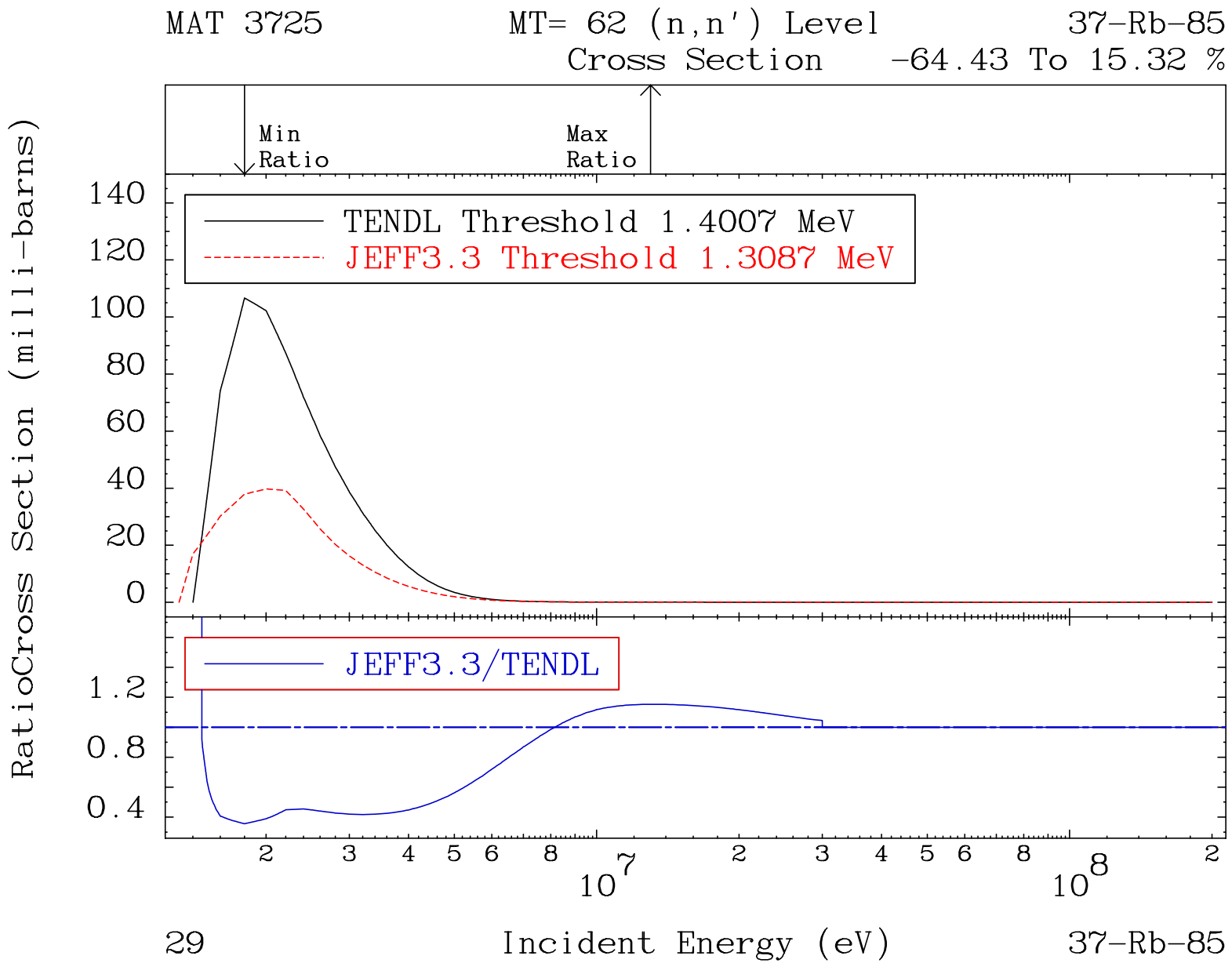

MAT 3725
MT= 57 (n,n') Level
37-Rb-85
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 930.66 keV
JEFF3.3 Threshold 930.66 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
10^{0}
10^{-4}
10^{-8}
10^{6}
10^{7}
10^{8}
2 3 4 5 6 8 2 3 4 5 6 8 2
24
Incident Energy (eV)
37-Rb-85

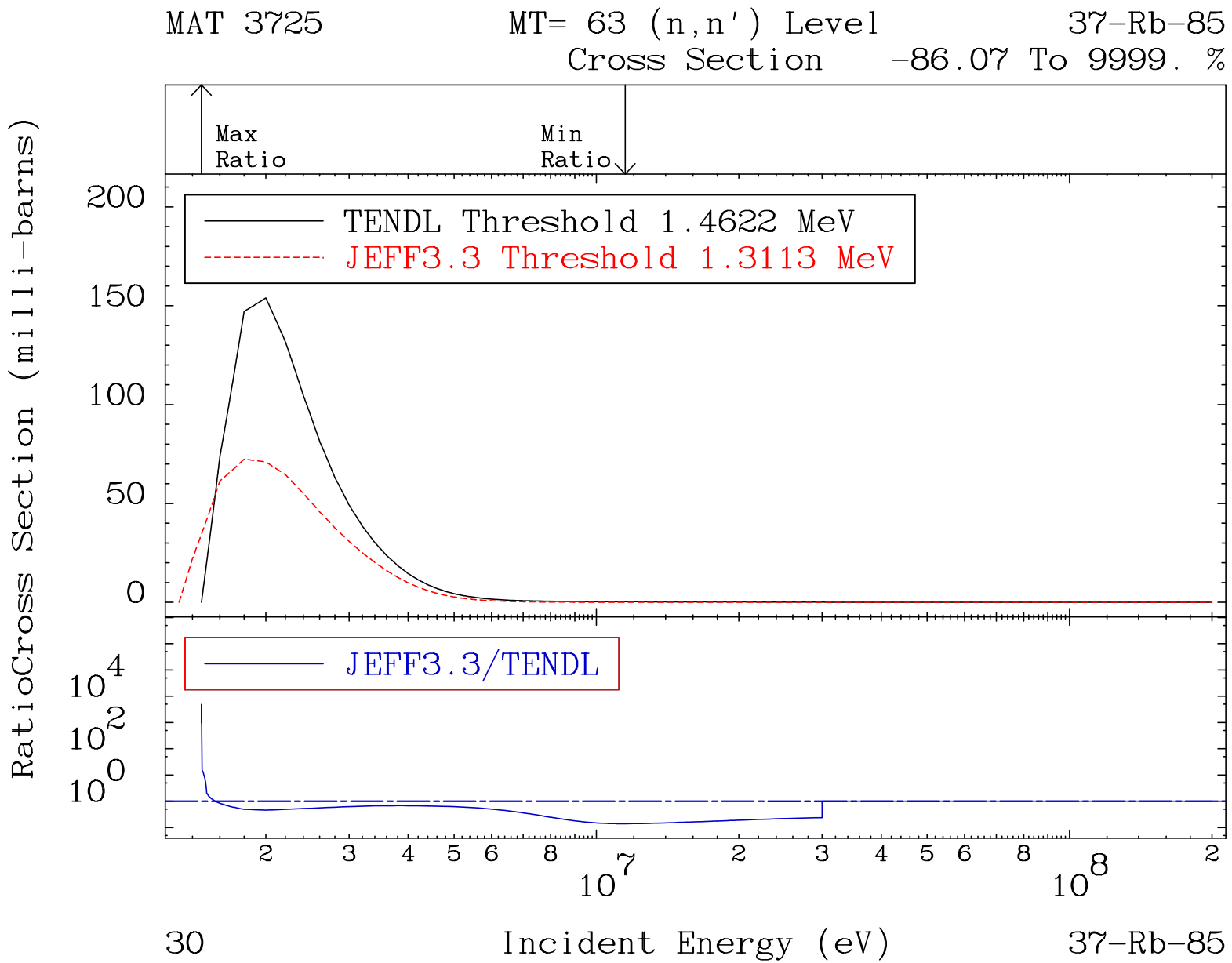

MAT 3725
MT= 58 (n,n') Level
37-Rb-85
Cross Section 0.000 To 97.86 %
Max Ratio
Min Ratio
TENDL Threshold 962.25 keV
JEFF3.3 Threshold 946.44 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.4
1.8
1.2
10^6
10^7
10^8
Incident Energy (eV)
25
37-Rb-85

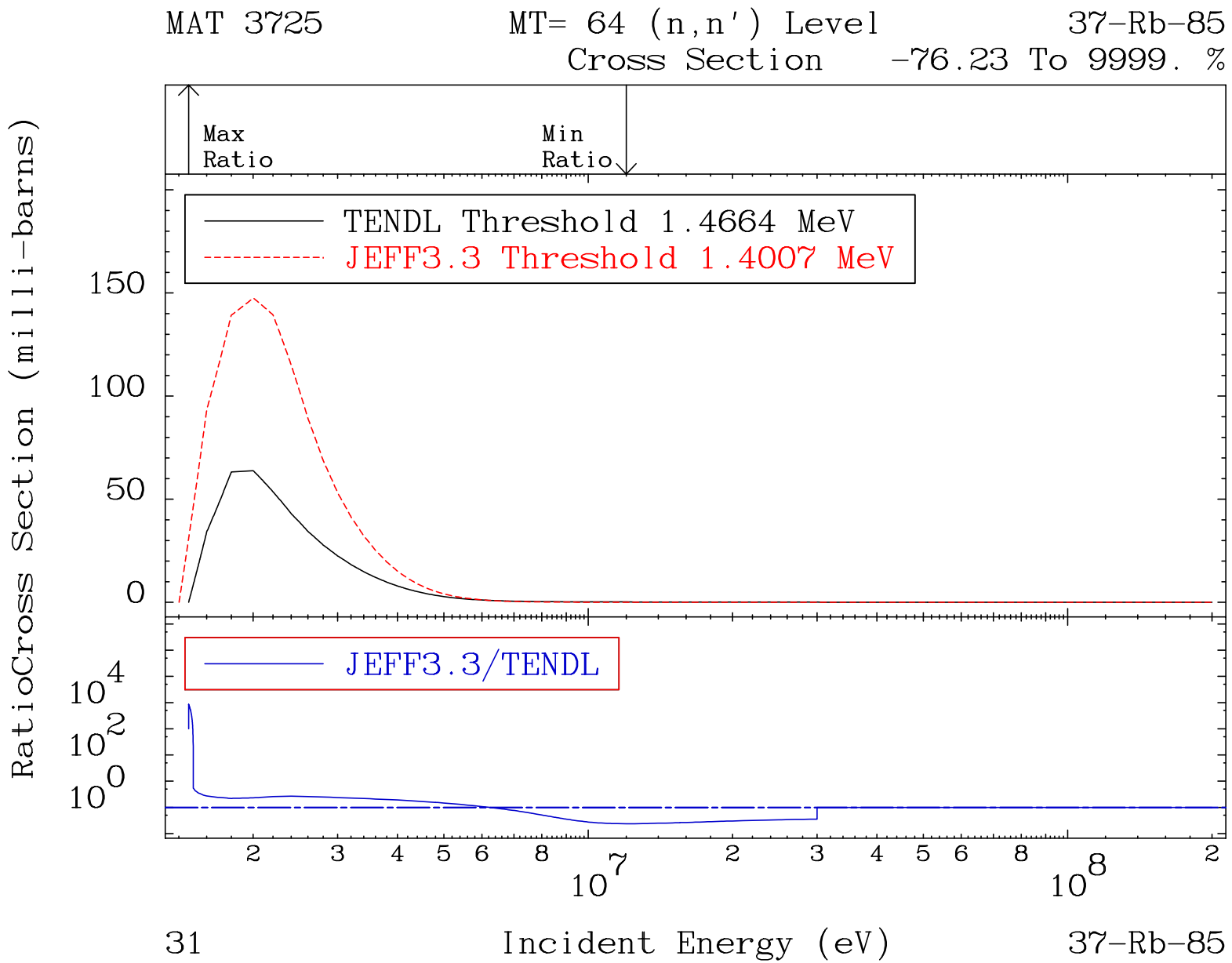

MAT 3725
MT= 59 (n,n') Level
37-Rb-85
Cross Section -30.00 To 1713. %
Max Ratio
Min Ratio
TENDL Threshold 1.1895 MeV
JEFF3.3 Threshold 962.25 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
150
100
50
0
10^1
10^0
10^6
2 3 4 5 6 8
10^7
2 3 4 5 6 8
10^8
2
26
Incident Energy (eV)
37-Rb-85

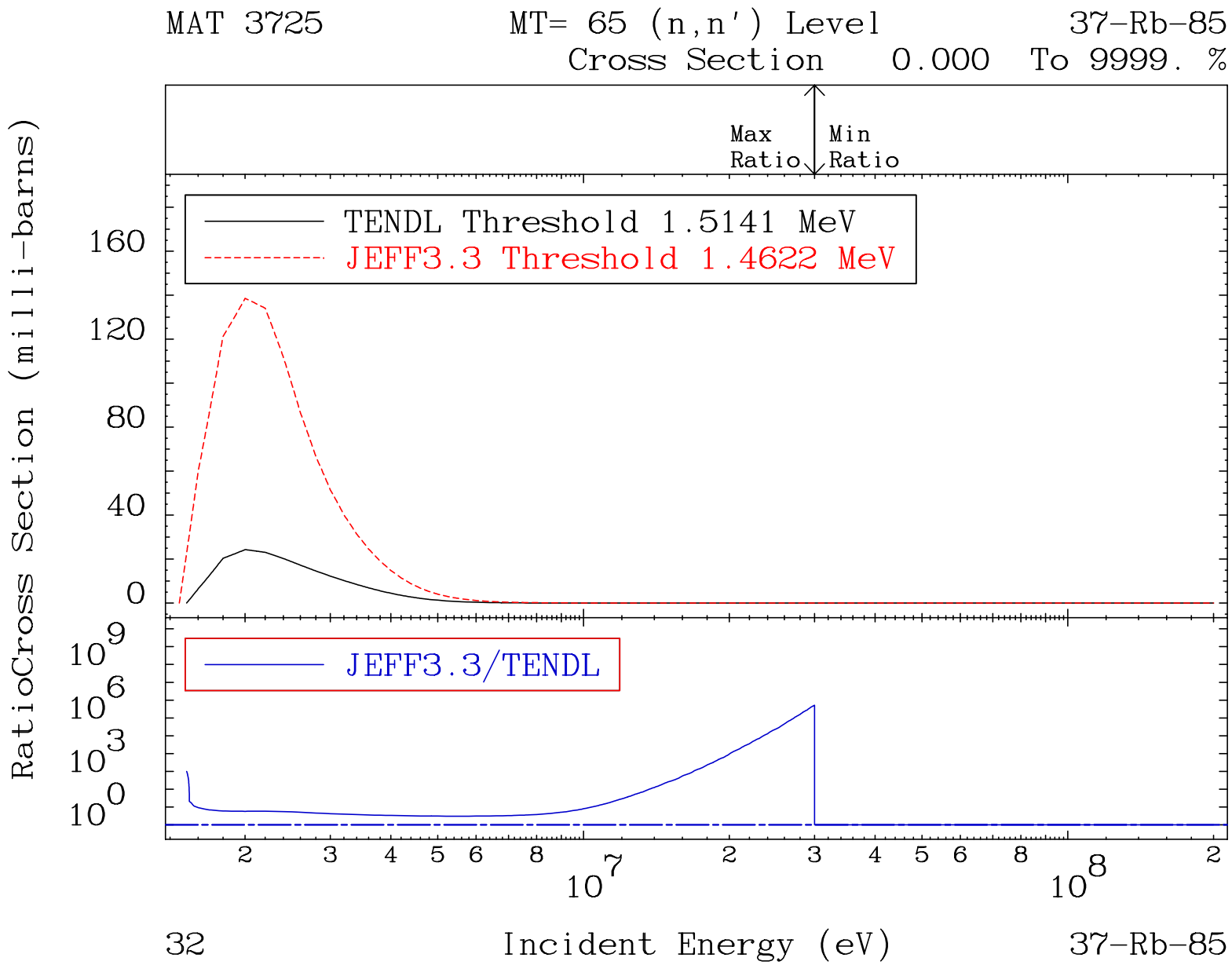

MAT 3725
MT= 60 (n,n') Level
37-Rb-85
Cross Section -16.16 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.3087 MeV
JEFF3.3 Threshold 1.1890 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
10^4
10^2
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
27
Incident Energy (eV)
37-Rb-85

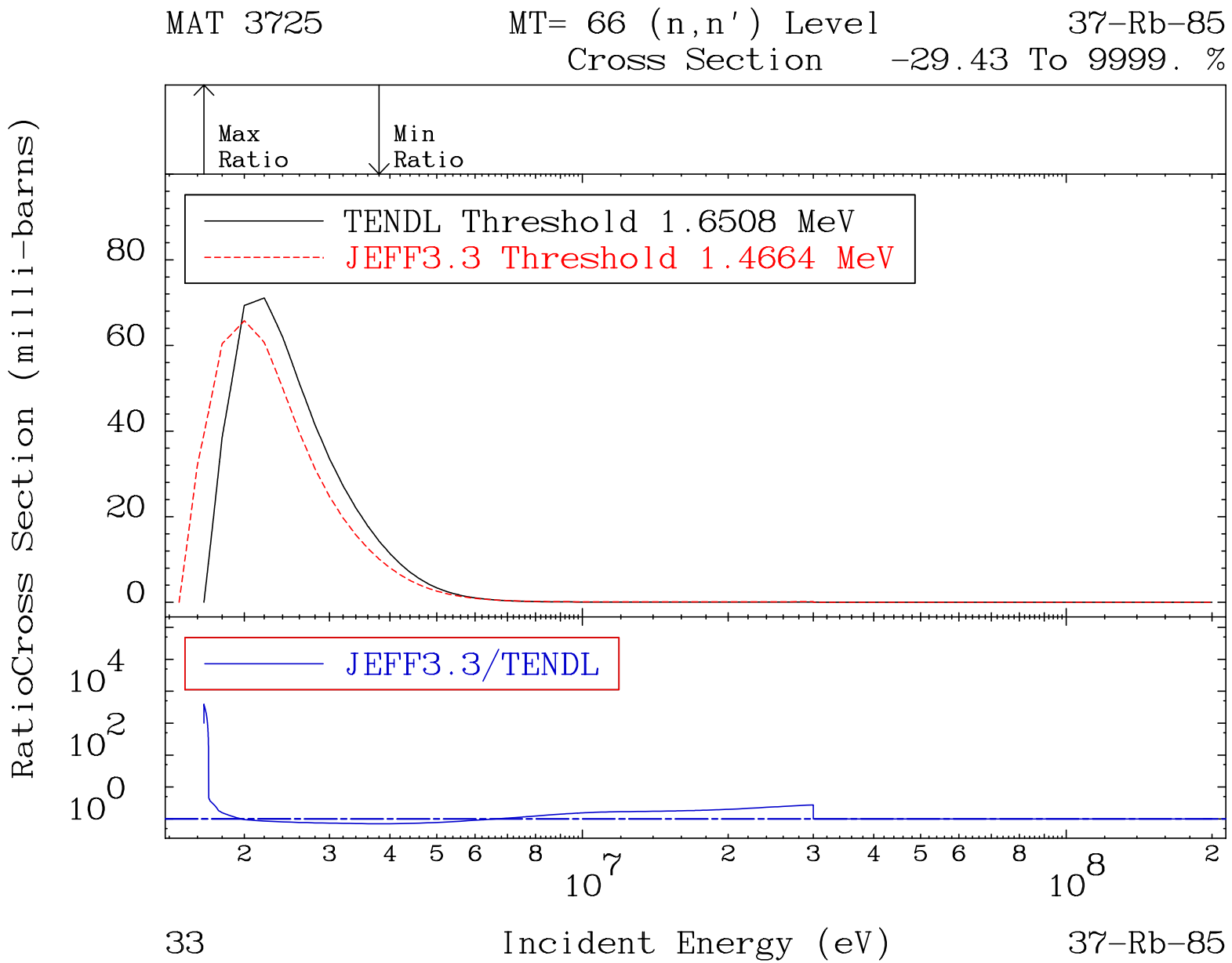

MAT 3725
MT= 61 (n,n') Level
37-Rb-85
Cross Section -65.75 To 274.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.3114 MeV
JEFF3.3 Threshold 1.2491 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
4
10^0
4
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
28
Incident Energy (eV)
37-Rb-85

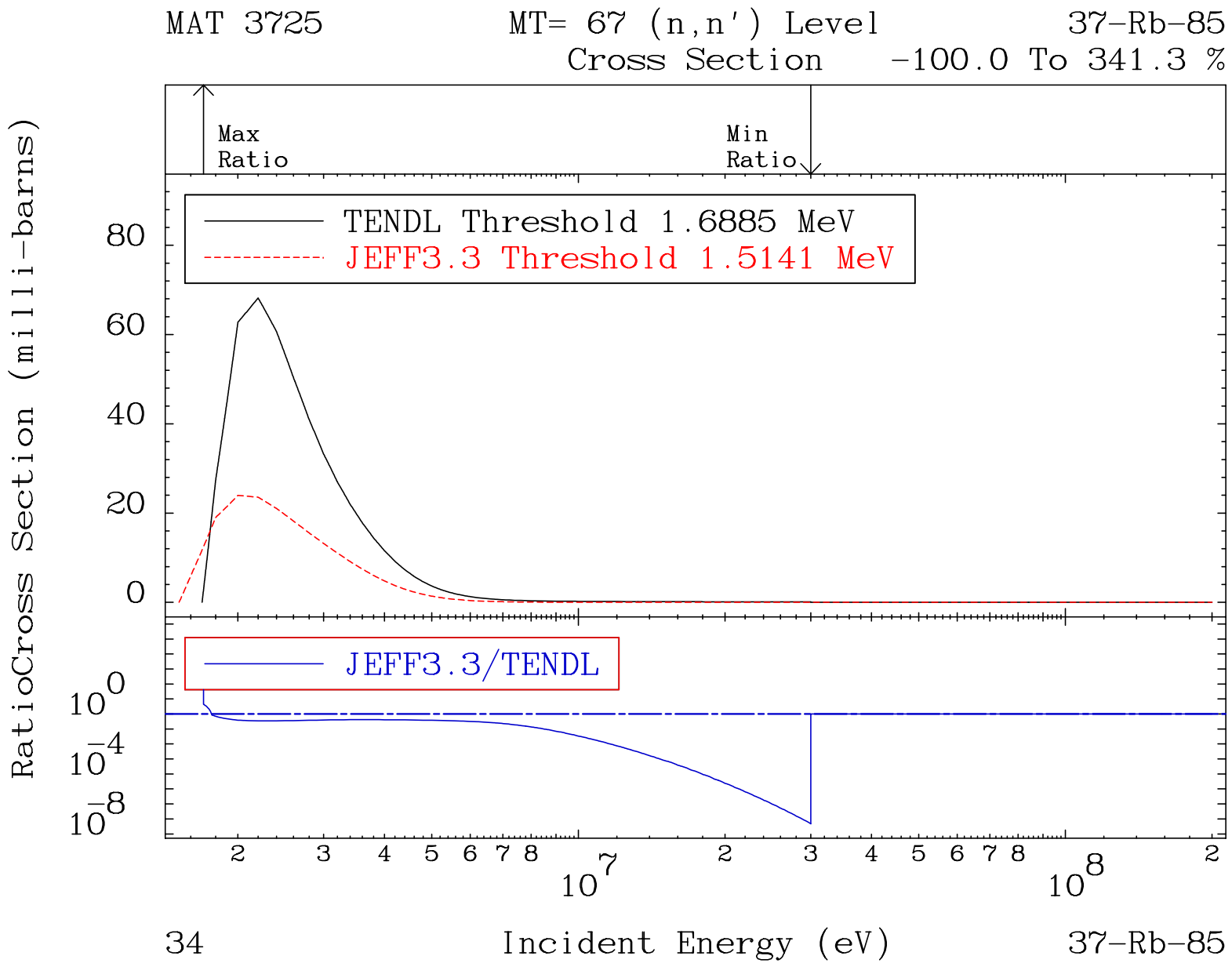

MAT 3725
MT= 62 (n,n') Level
37-Rb-85
Cross Section -64.43 To 15.32 %
Min Ratio
Max Ratio
TENDL Threshold 1.4007 MeV
JEFF3.3 Threshold 1.3087 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
1.2
0.8
0.4
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
29
Incident Energy (eV)
37-Rb-85

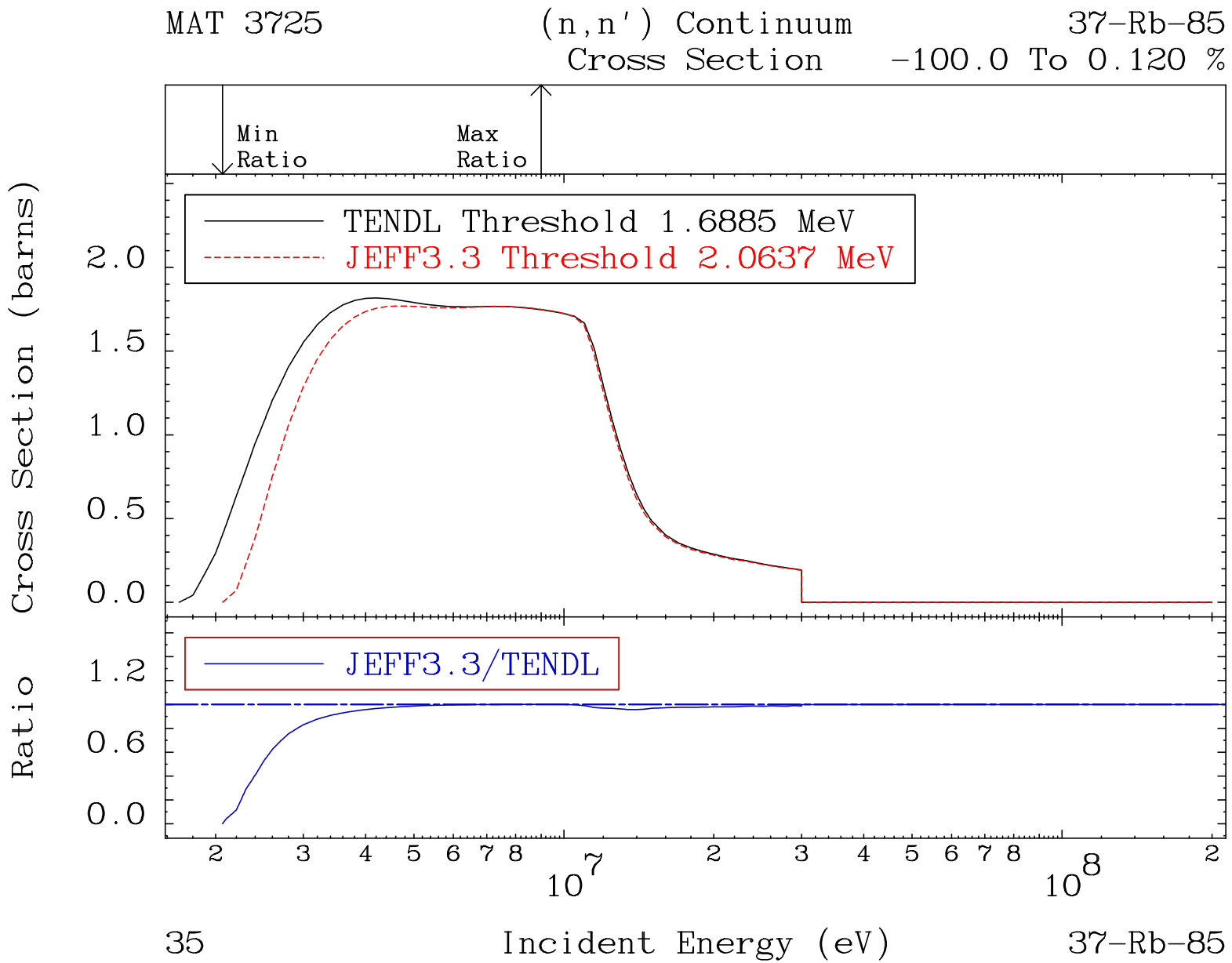

MAT 3725
MT= 63 (n,n') Level
37-Rb-85
Cross Section -86.07 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.4622 MeV
JEFF3.3 Threshold 1.3113 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^4
10^2
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
30
Incident Energy (eV)
37-Rb-85

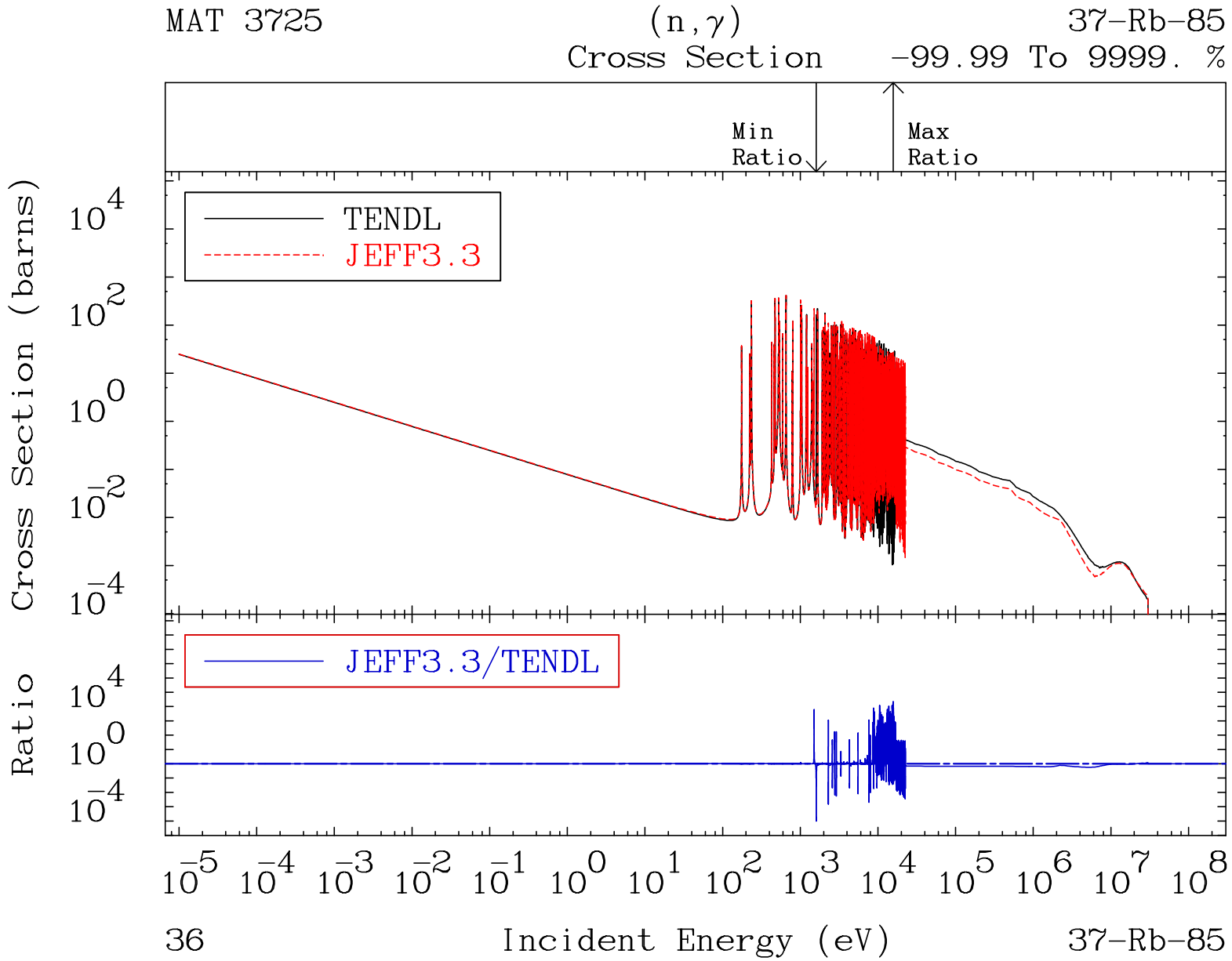

MAT 3725
MT= 64 (n,n') Level
37-Rb-85
Cross Section -76.23 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.4664 MeV
JEFF3.3 Threshold 1.4007 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
150
100
50
0
10^4
10^2
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
31
Incident Energy (eV)
37-Rb-85

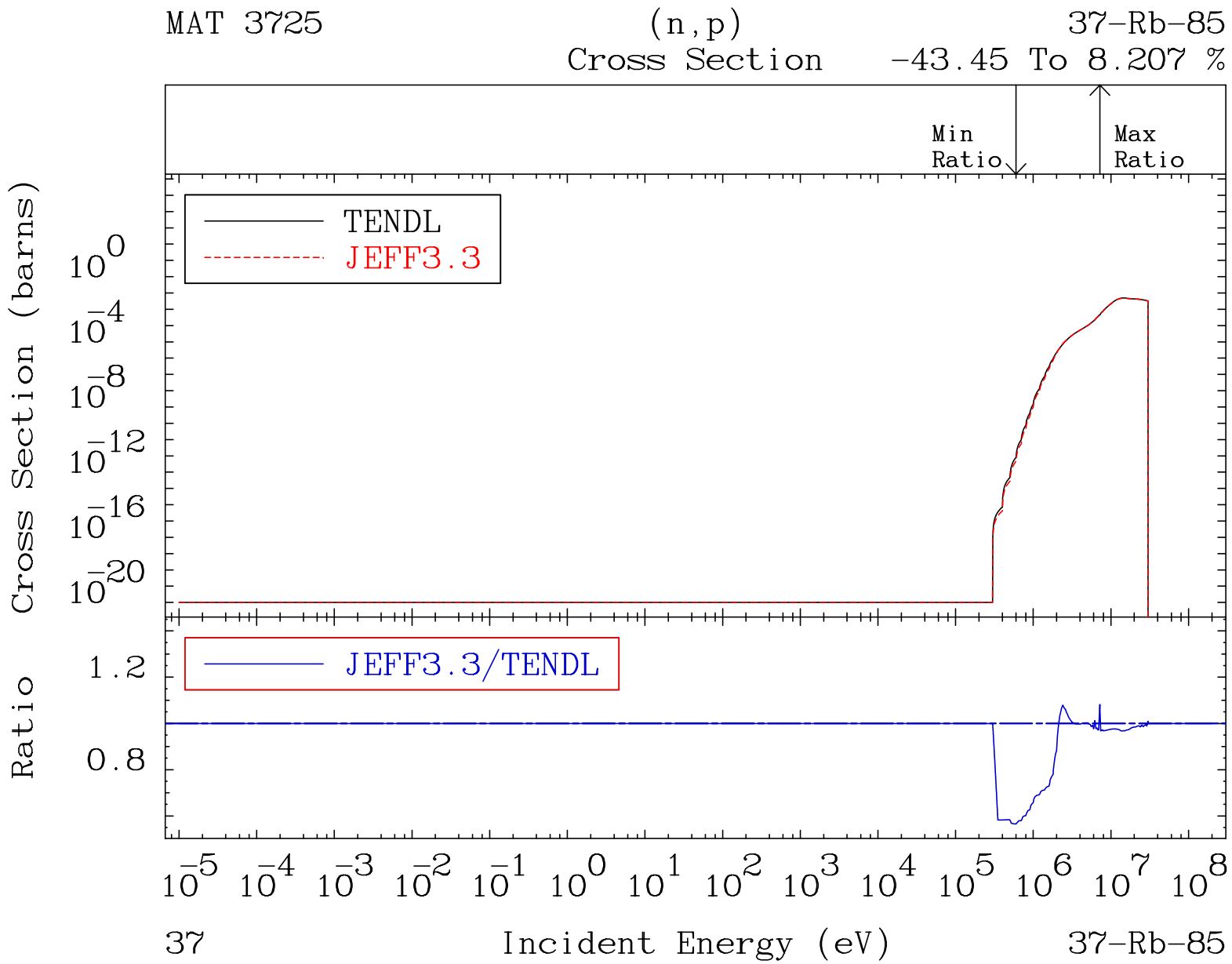

MAT 3725
MT= 65 (n,n') Level
37-Rb-85
Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.5141 MeV
JEFF3.3 Threshold 1.4622 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^9
10^6
10^3
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
32
Incident Energy (eV)
37-Rb-85

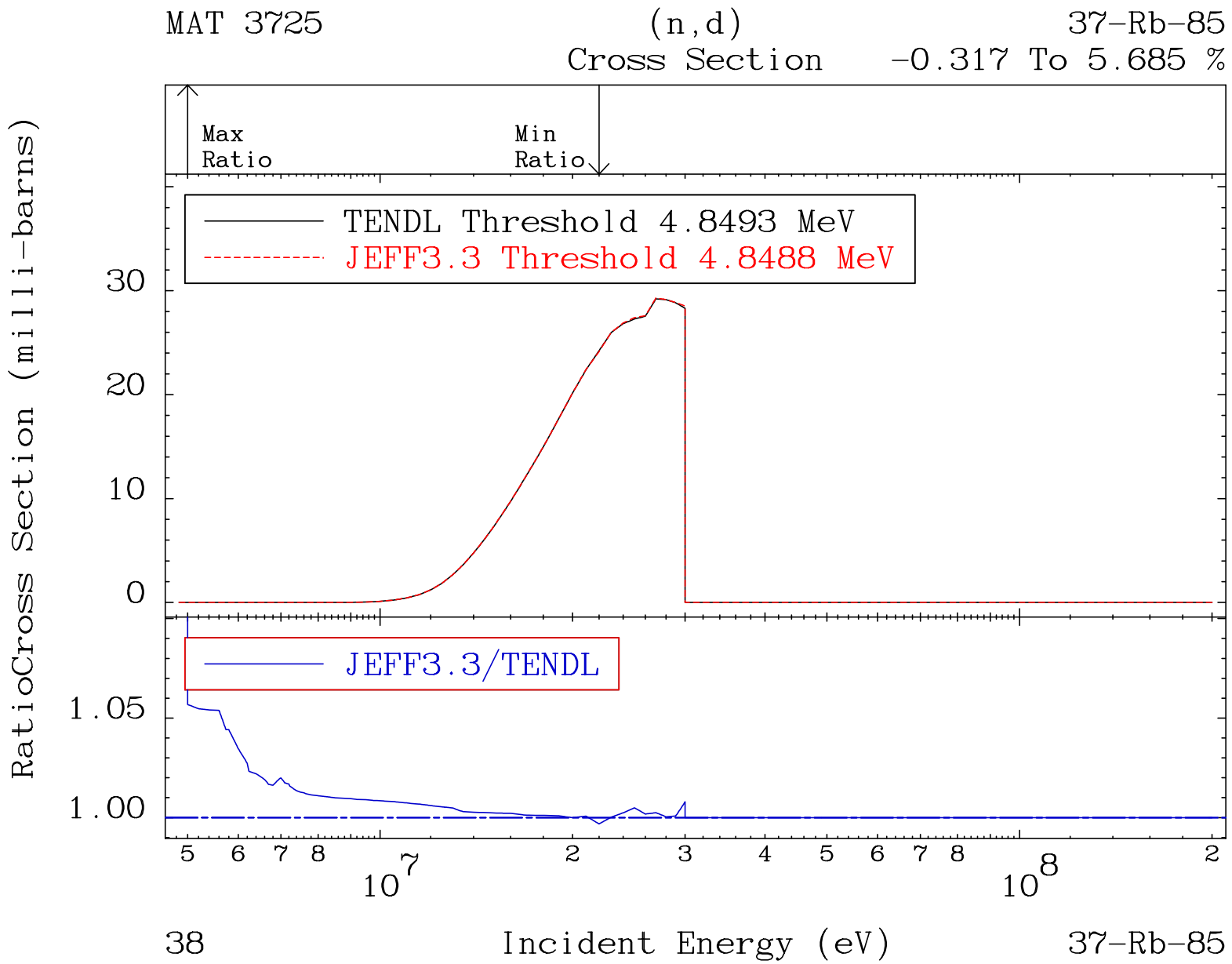

MAT 3725
MT= 66 (n,n') Level
37-Rb-85
Cross Section -29.43 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.6508 MeV
JEFF3.3 Threshold 1.4664 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^4
10^2
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
33
Incident Energy (eV)
37-Rb-85

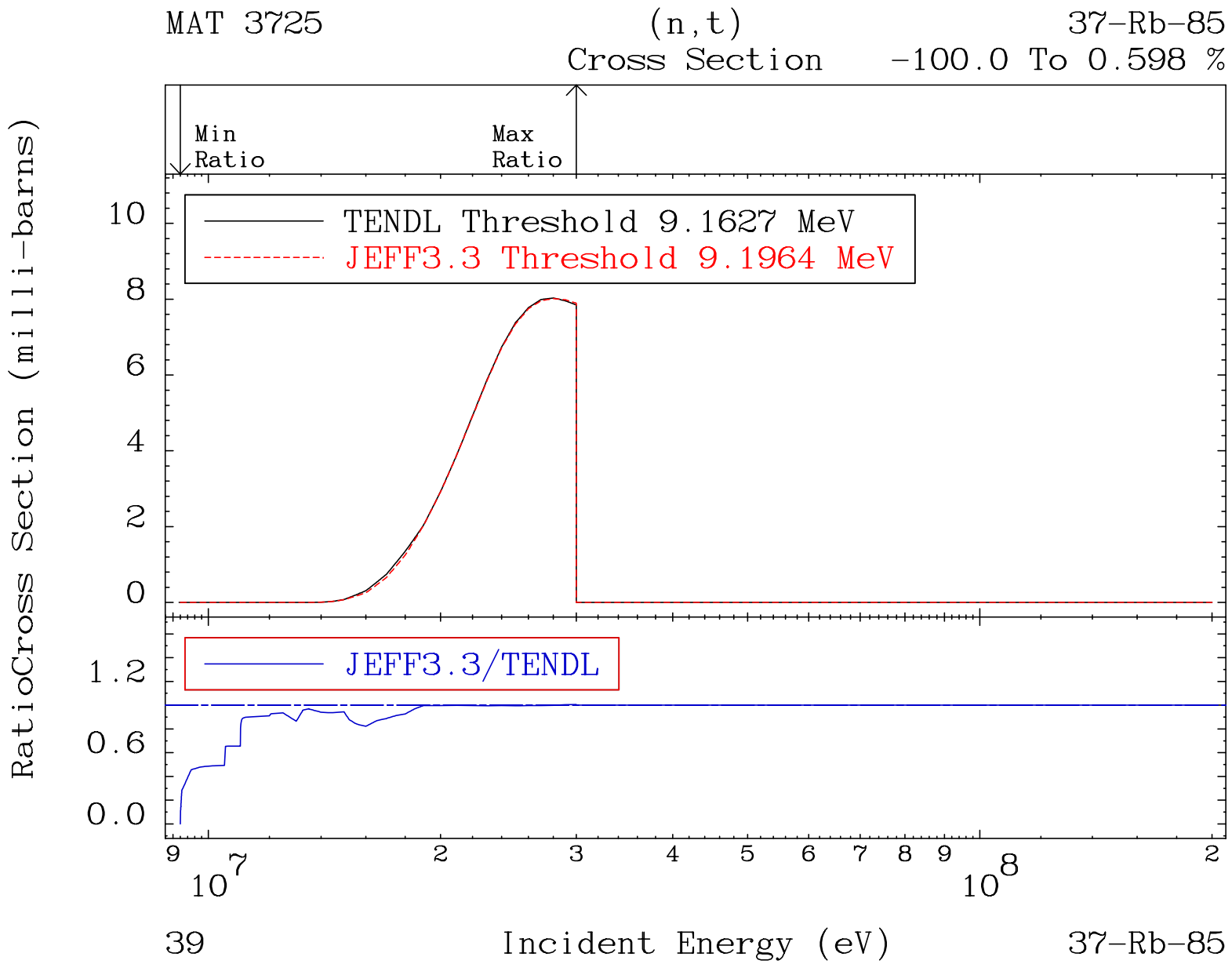

MAT 3725
MT= 67 (n,n') Level
37-Rb-85
Cross Section -100.0 To 341.3 %
Max Ratio
Min Ratio
TENDL Threshold 1.6885 MeV
JEFF3.3 Threshold 1.5141 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^0
10^-4
10^-8
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
37-Rb-85

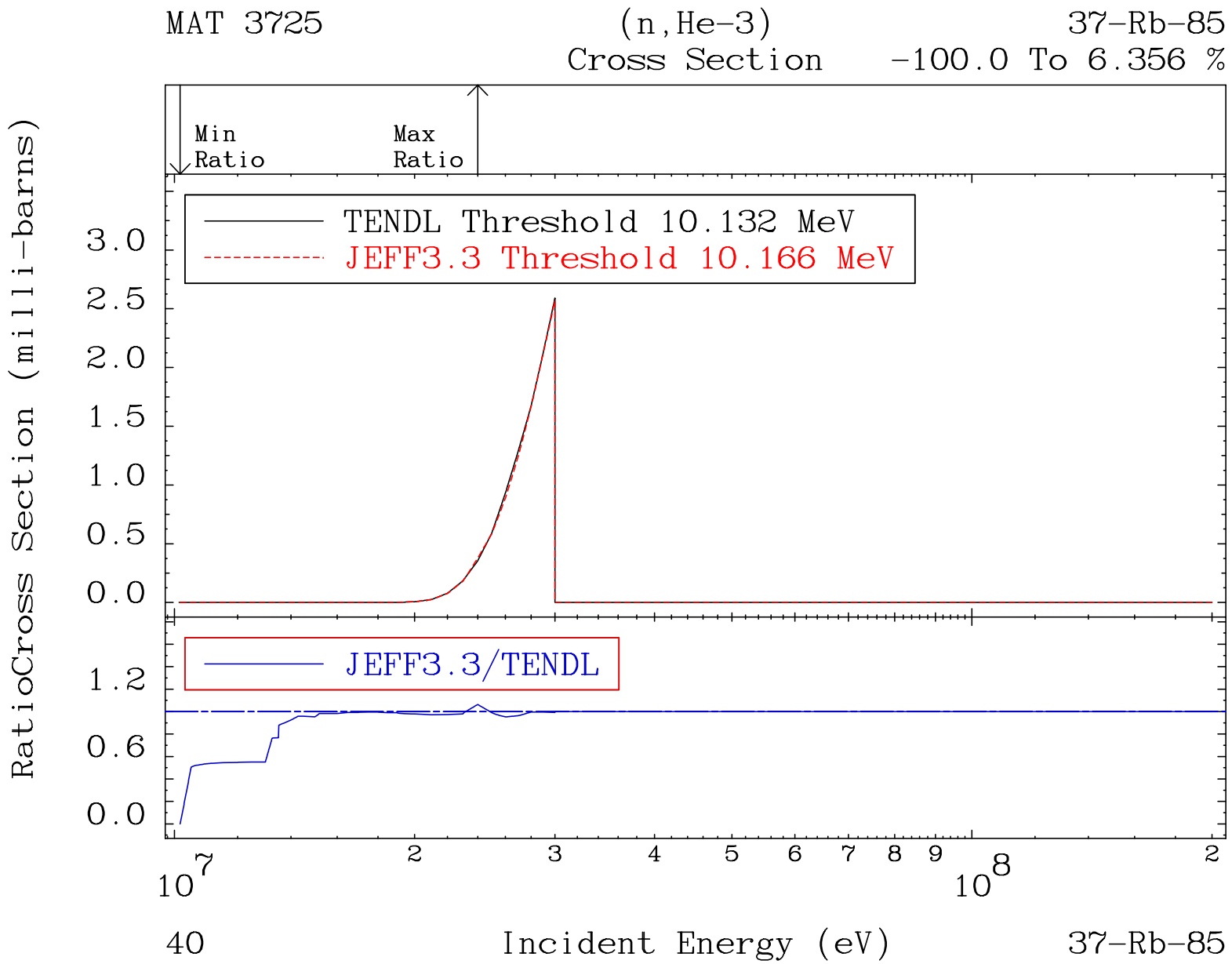

MAT 3725
(n,n') Continuum
Cross Section
37-Rb-85
-100.0 To 0.120 %
Min Ratio
Max Ratio
TENDL Threshold 1.6885 MeV
JEFF3.3 Threshold 2.0637 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
37-Rb-85

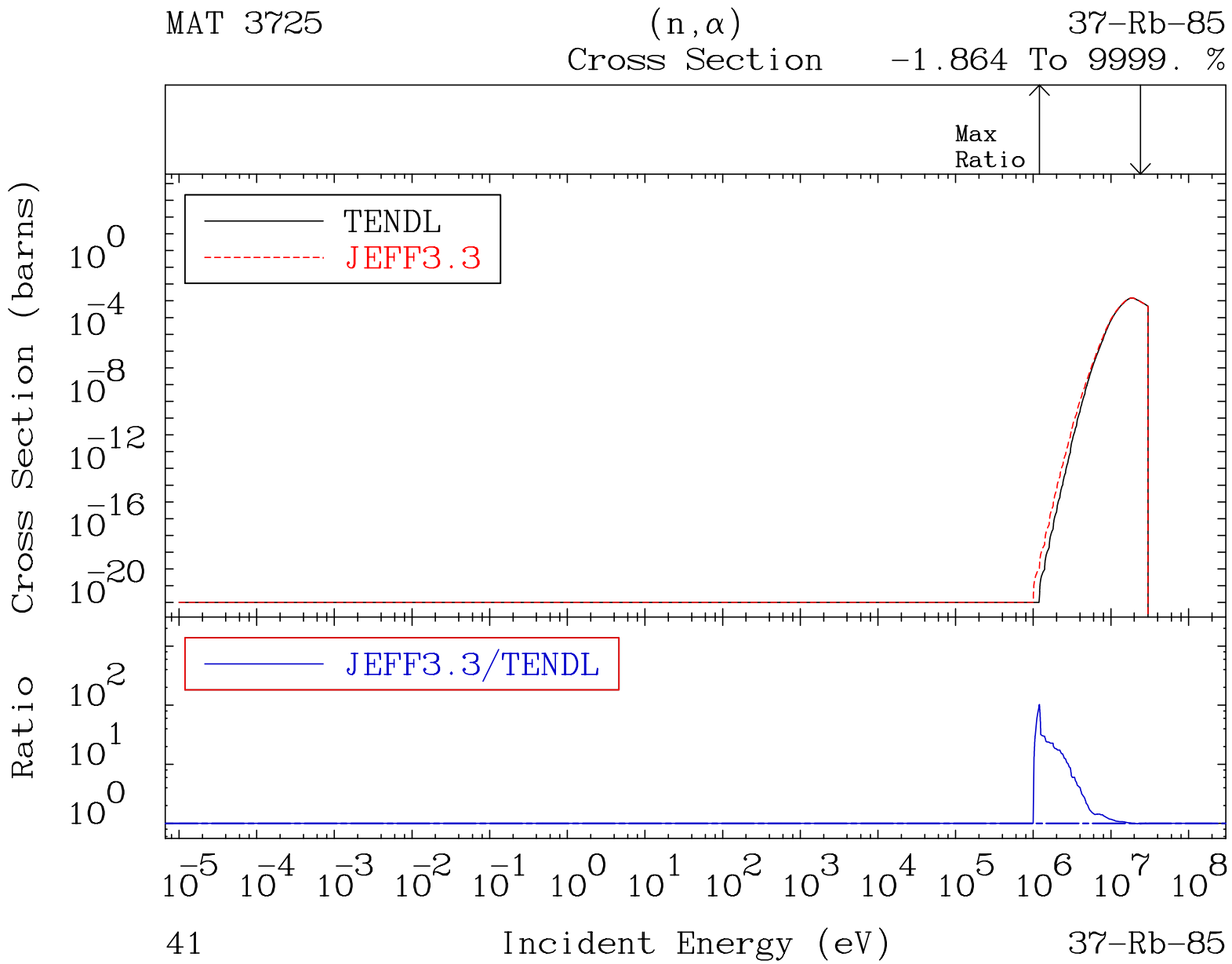

MAT 3725
(n,γ)
Cross Section
37-Rb-85
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
37-Rb-85

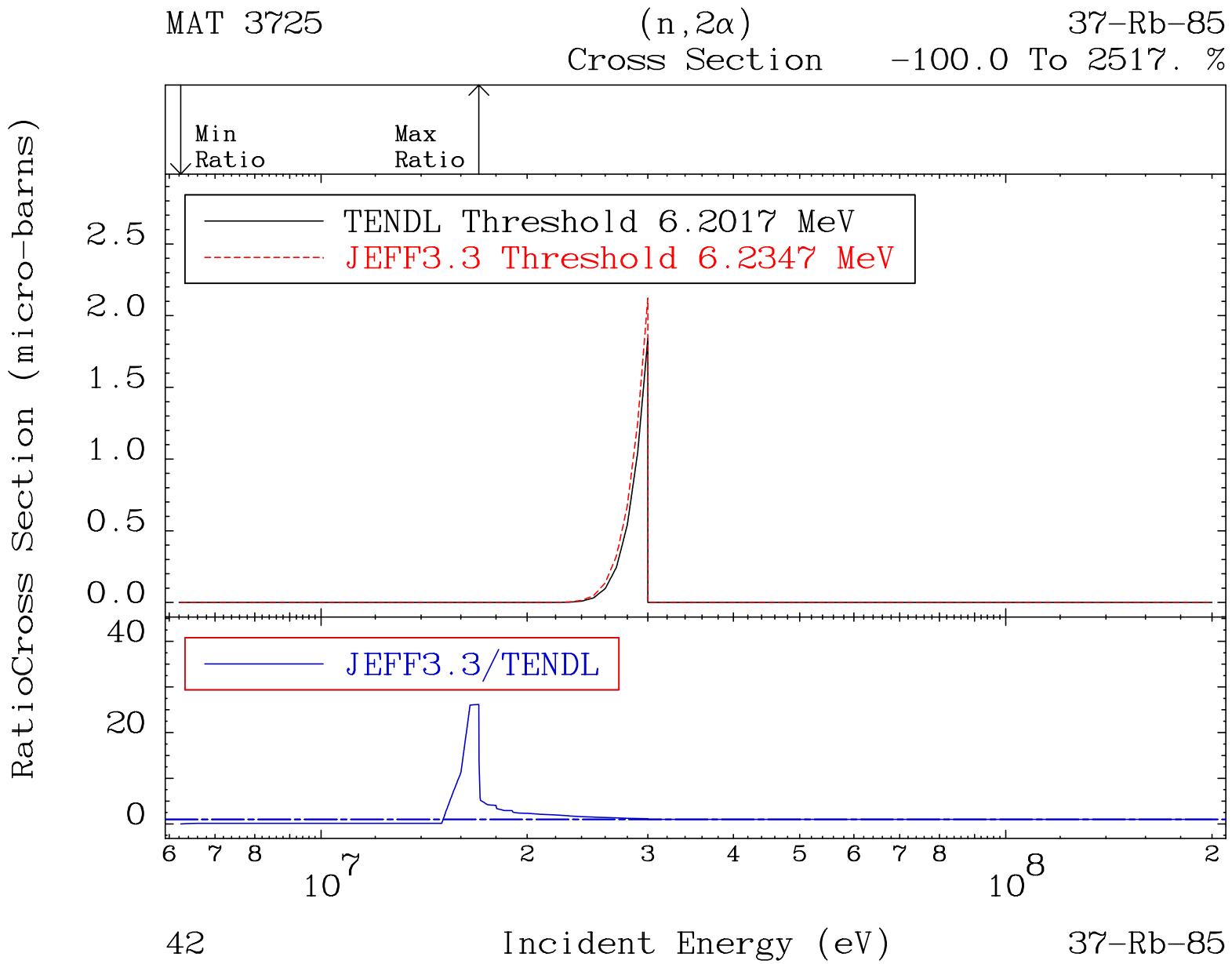

MAT 3725
(n,p)
37-Rb-85
Cross Section
-43.45 To 8.207 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
37
37-Rb-85

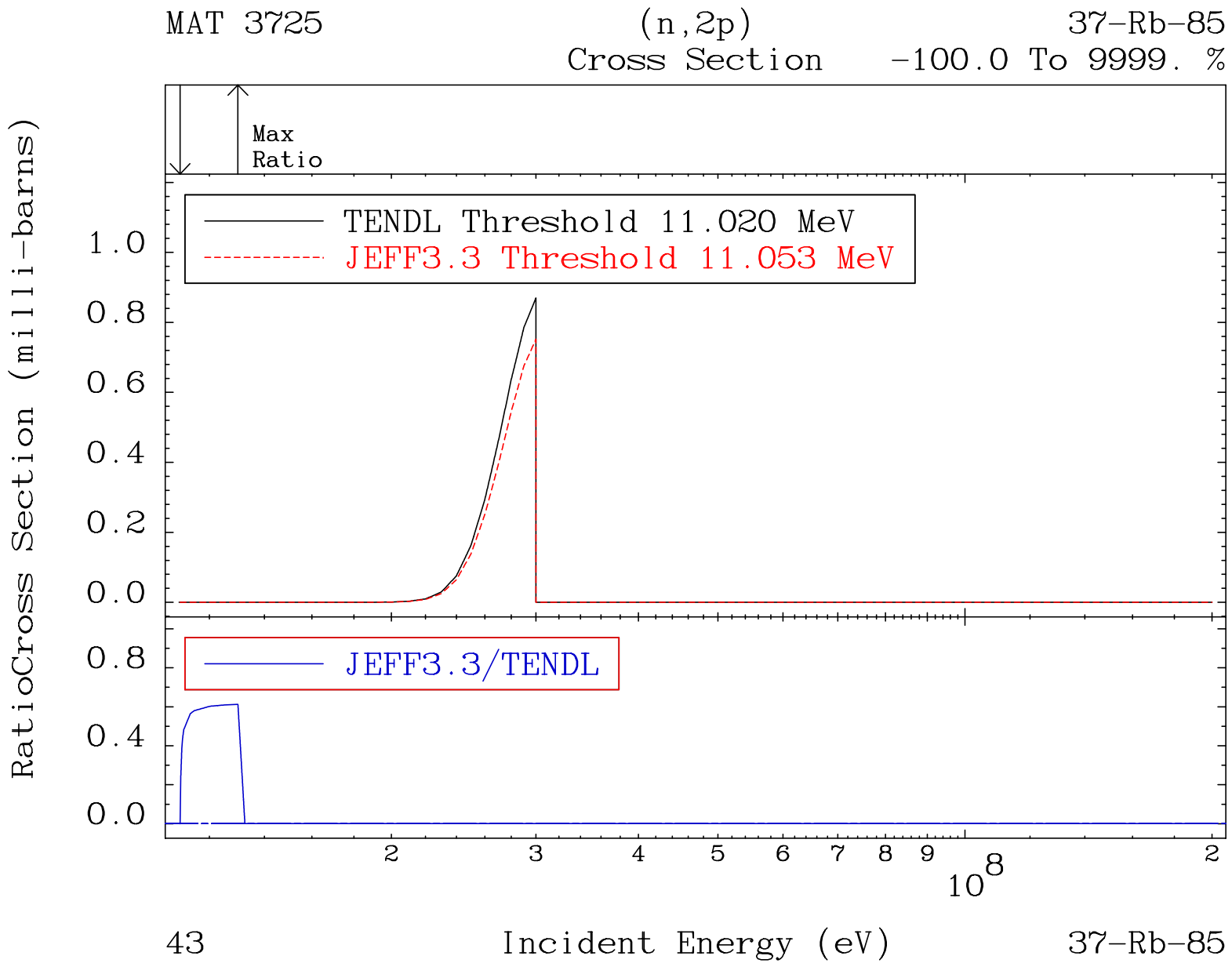

MAT 3725
(n,d)
37-Rb-85
Cross Section
-0.317 To 5.685 %
Max Ratio
Min Ratio
TENDL Threshold 4.8493 MeV
JEFF3.3 Threshold 4.8488 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
20
10
0
1.05
1.00
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
37-Rb-85

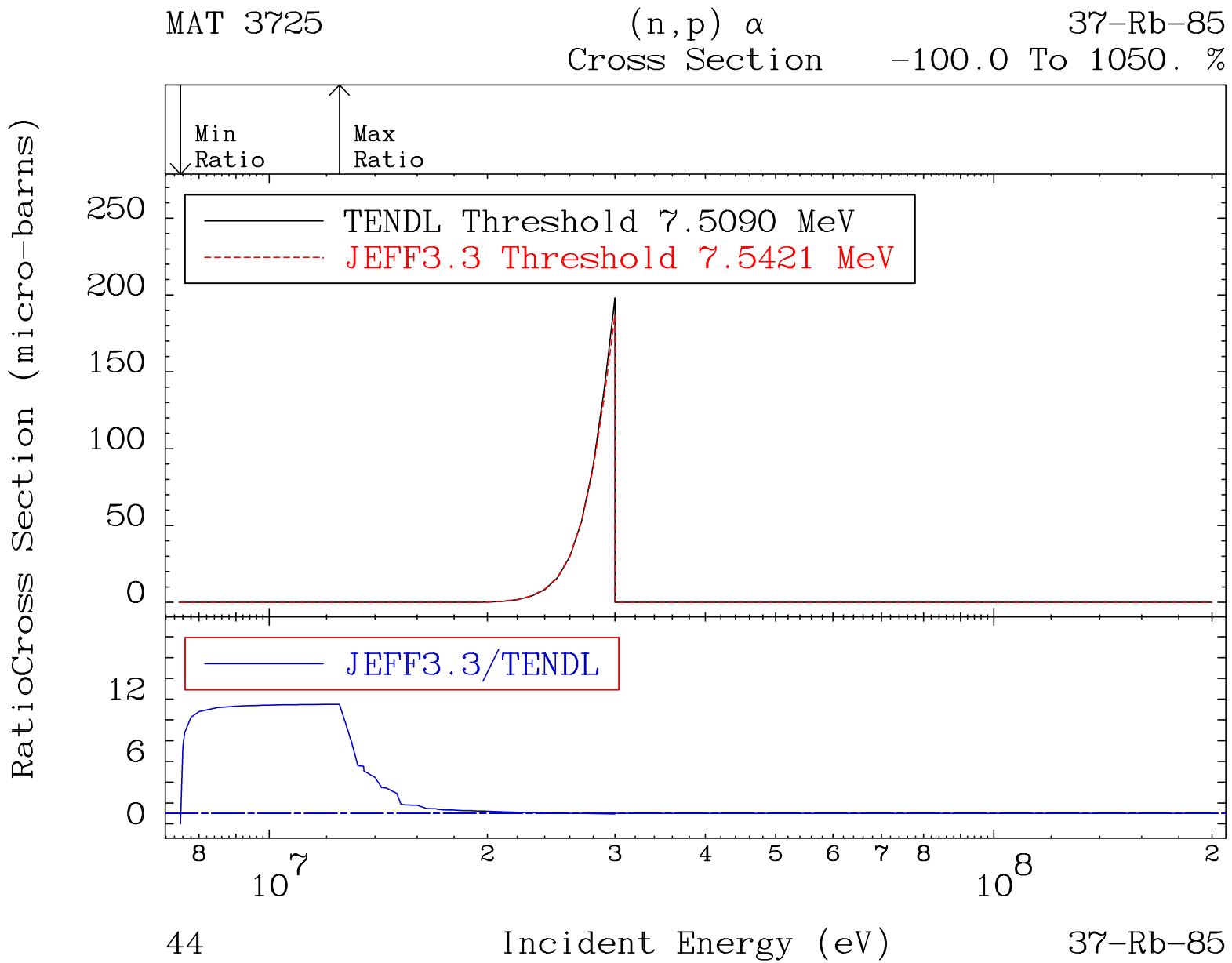

MAT 3725
(n,t)
37-Rb-85
Cross Section
-100.0 To 0.598 %
Min Ratio
Max Ratio
TENDL Threshold 9.1627 MeV
JEFF3.3 Threshold 9.1964 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
1.2
0.6
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
39
Incident Energy (eV)
37-Rb-85

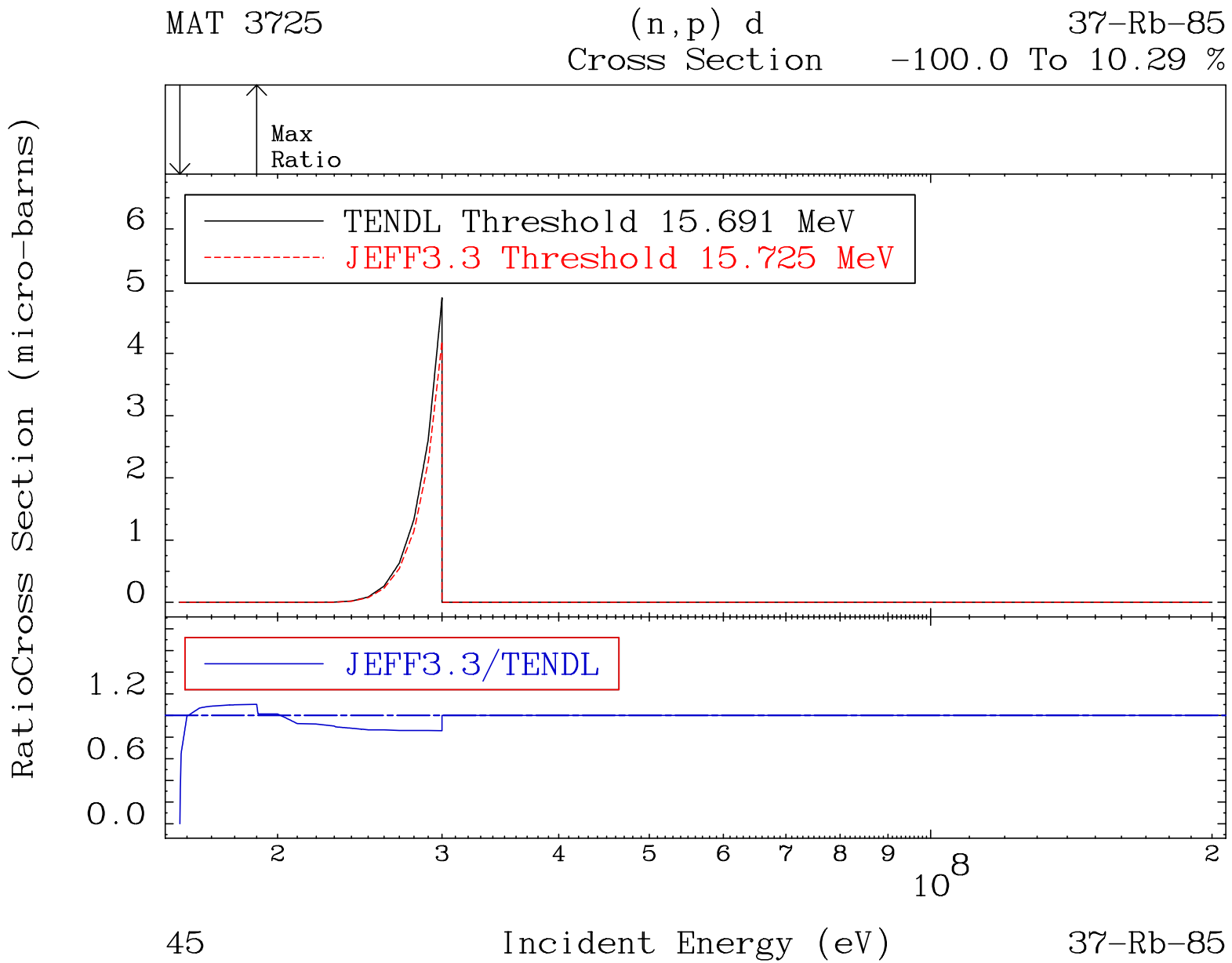

MAT 3725
(n,He-3)
Cross Section
37-Rb-85
-100.0 To 6.356 %
Min Ratio
Max Ratio
TENDL Threshold 10.132 MeV
JEFF3.3 Threshold 10.166 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
40
Incident Energy (eV)
37-Rb-85

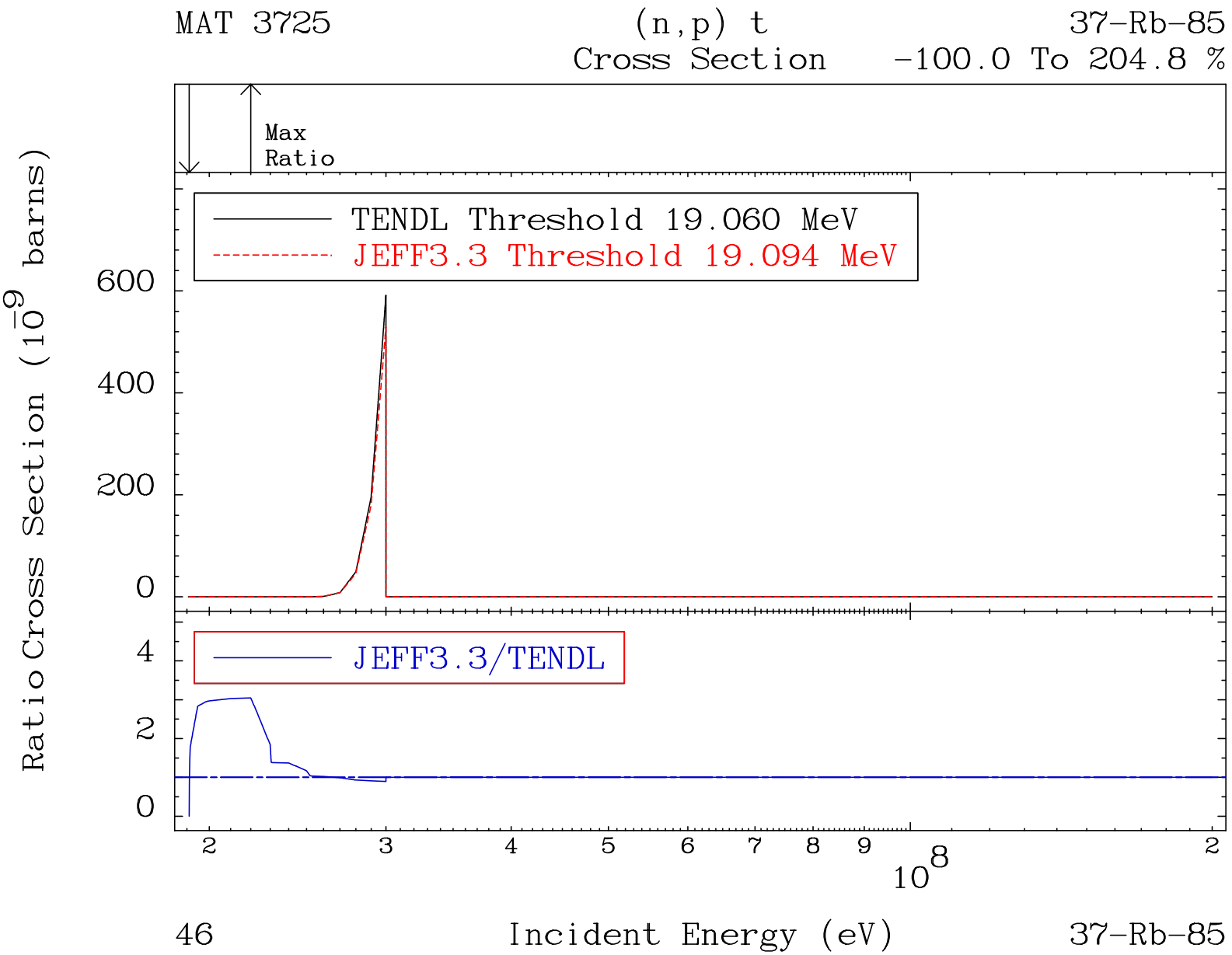

MAT 3725
(n,α)
37-Rb-85
Cross Section
-1.864 To 9999. %
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
37-Rb-85

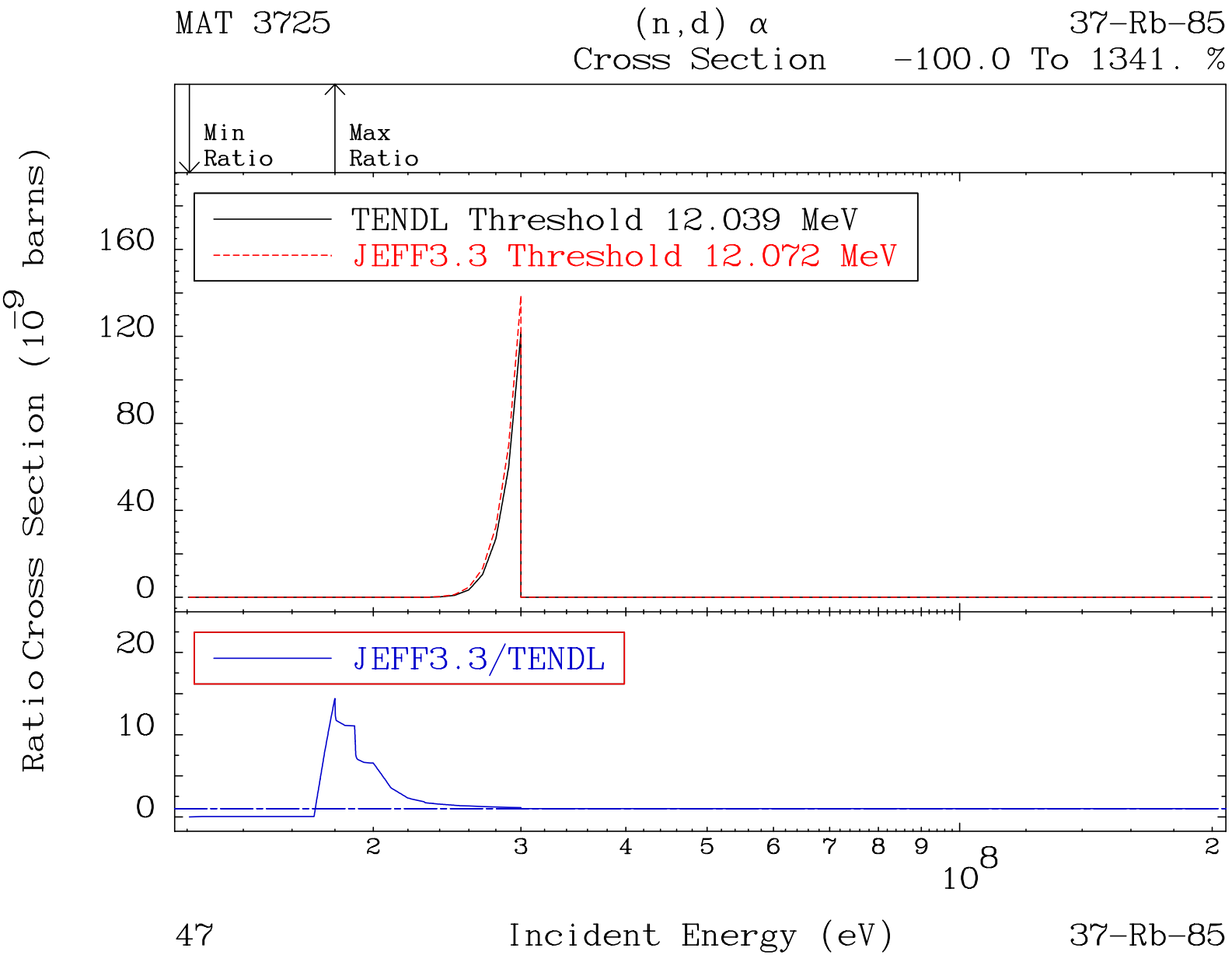

MAT 3725
(n,2α)
37-Rb-85
Cross Section
-100.0 To 2517. %
Min Ratio
Max Ratio
TENDL Threshold 6.2017 MeV
JEFF3.3 Threshold 6.2347 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
2.5
2.0
1.5
1.0
0.5
0.0
40
20
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
42
Incident Energy (eV)
37-Rb-85

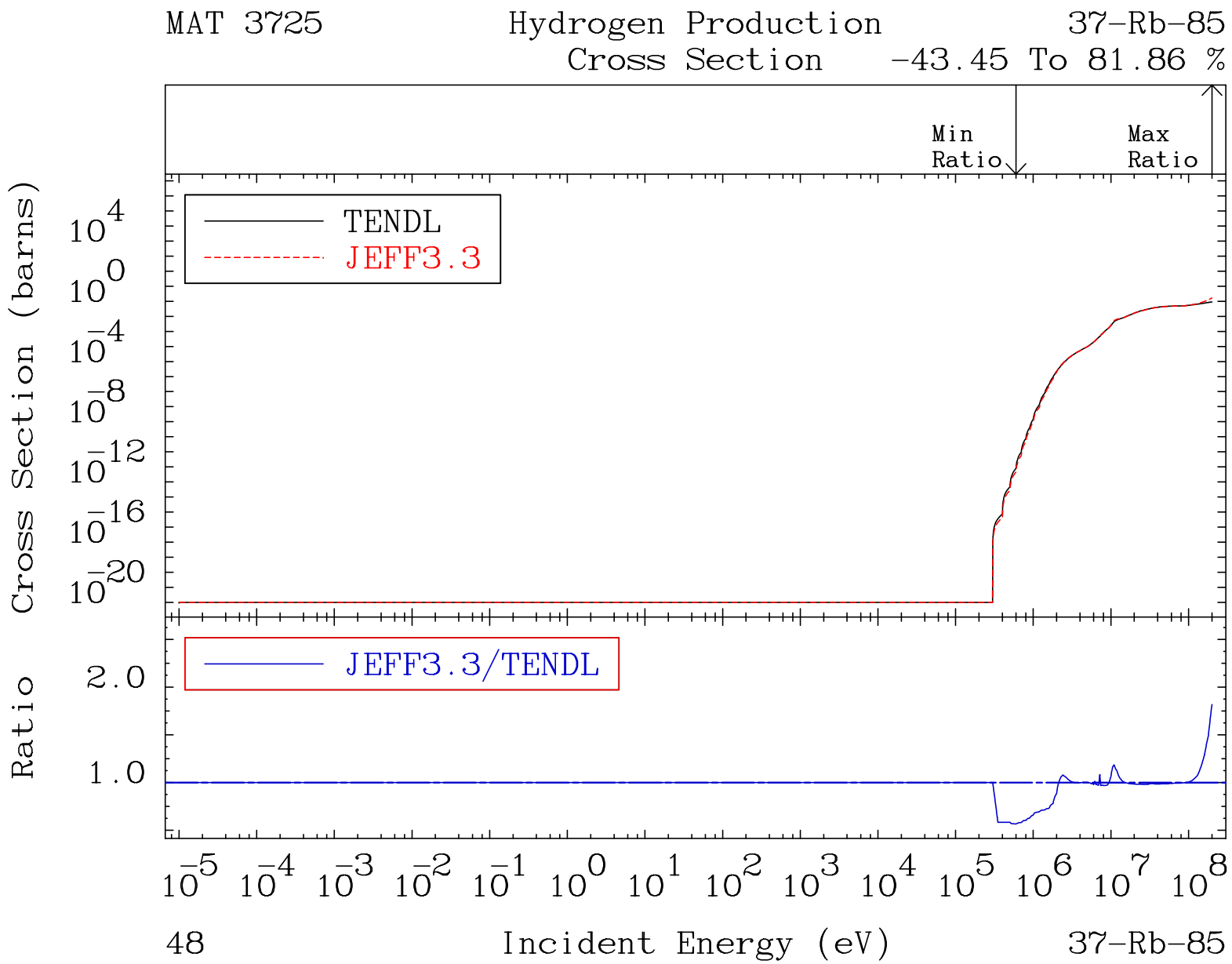

MAT 3725
(n,2p)
37-Rb-85
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 11.020 MeV
JEFF3.3 Threshold 11.053 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
37-Rb-85

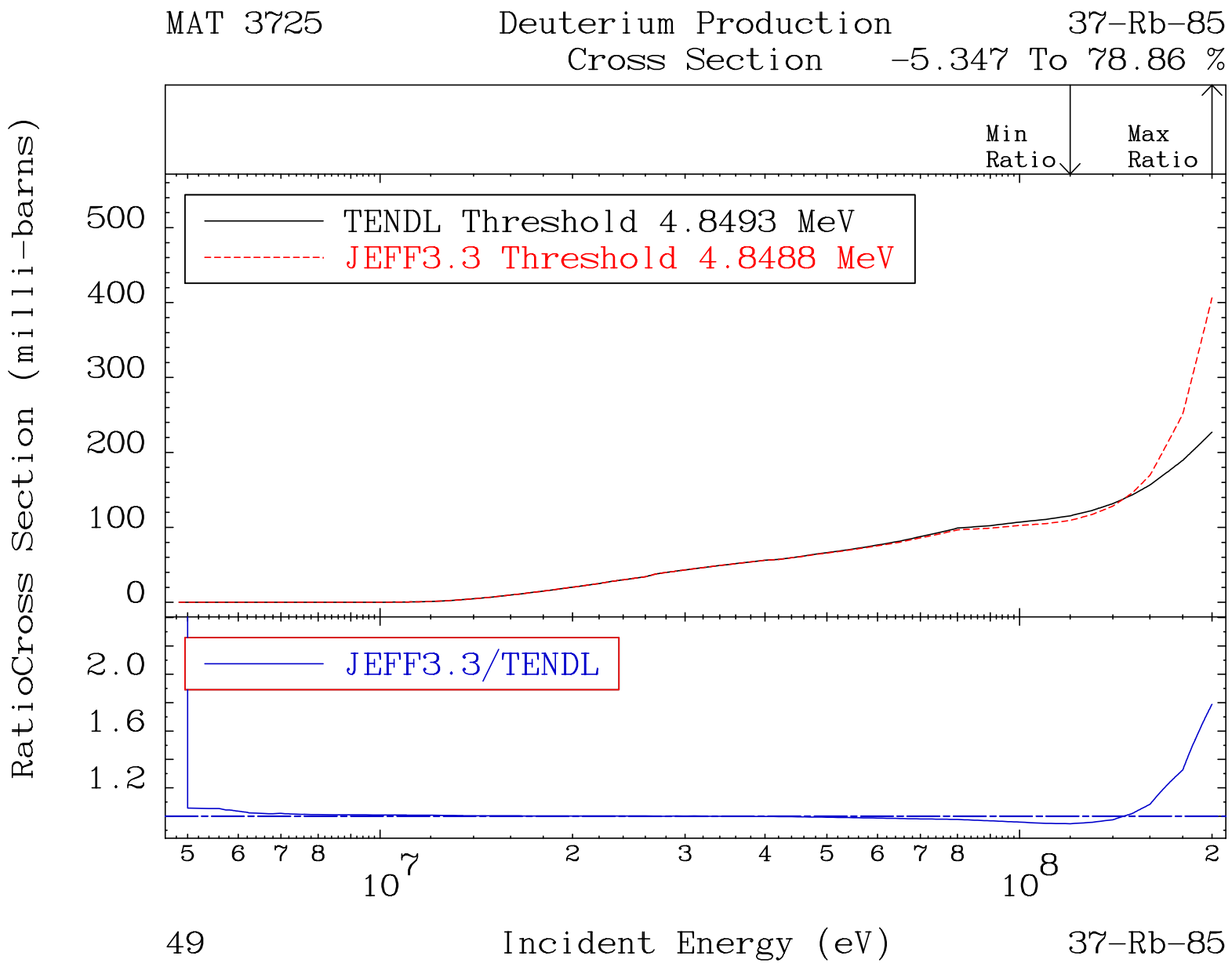

MAT 3725
(n,p) α
37-Rb-85
Cross Section
-100.0 To 1050. %
Min Ratio
Max Ratio
TENDL Threshold 7.5090 MeV
JEFF3.3 Threshold 7.5421 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
250
200
150
100
50
0
12
6
0
8
10^7
2
3
4
5
6
7
8
10^8
2
44
Incident Energy (eV)
37-Rb-85

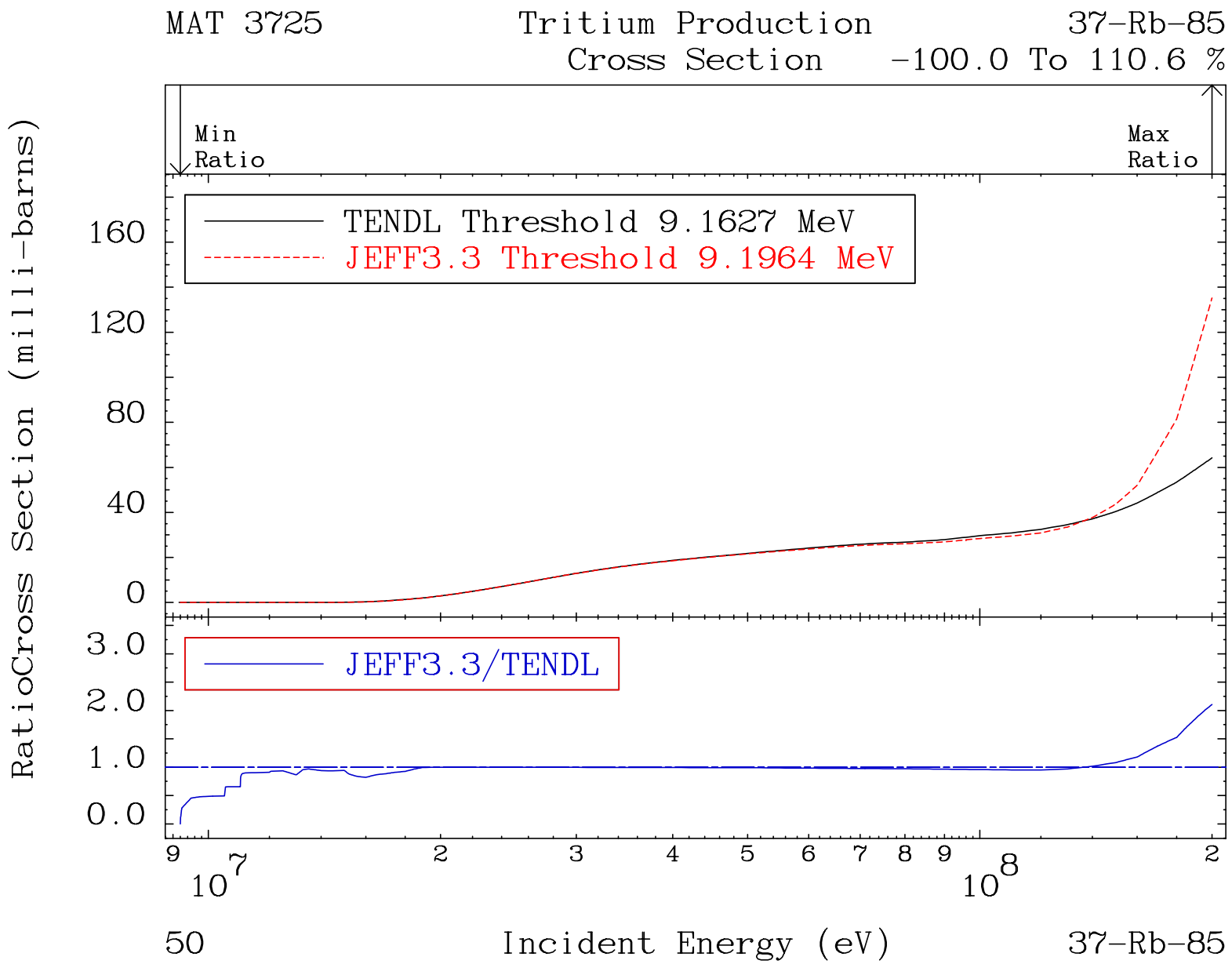

MAT 3725
(n,p) d
Cross Section
37-Rb-85
-100.0 To 10.29 %
Max
Ratio
TENDL Threshold 15.691 MeV
JEFF3.3 Threshold 15.725 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
0
1
2
3
4
5
6
0.0
0.6
1.2
2
3
4
5
6
7
8
9
10^8
2
45
Incident Energy (eV)
37-Rb-85

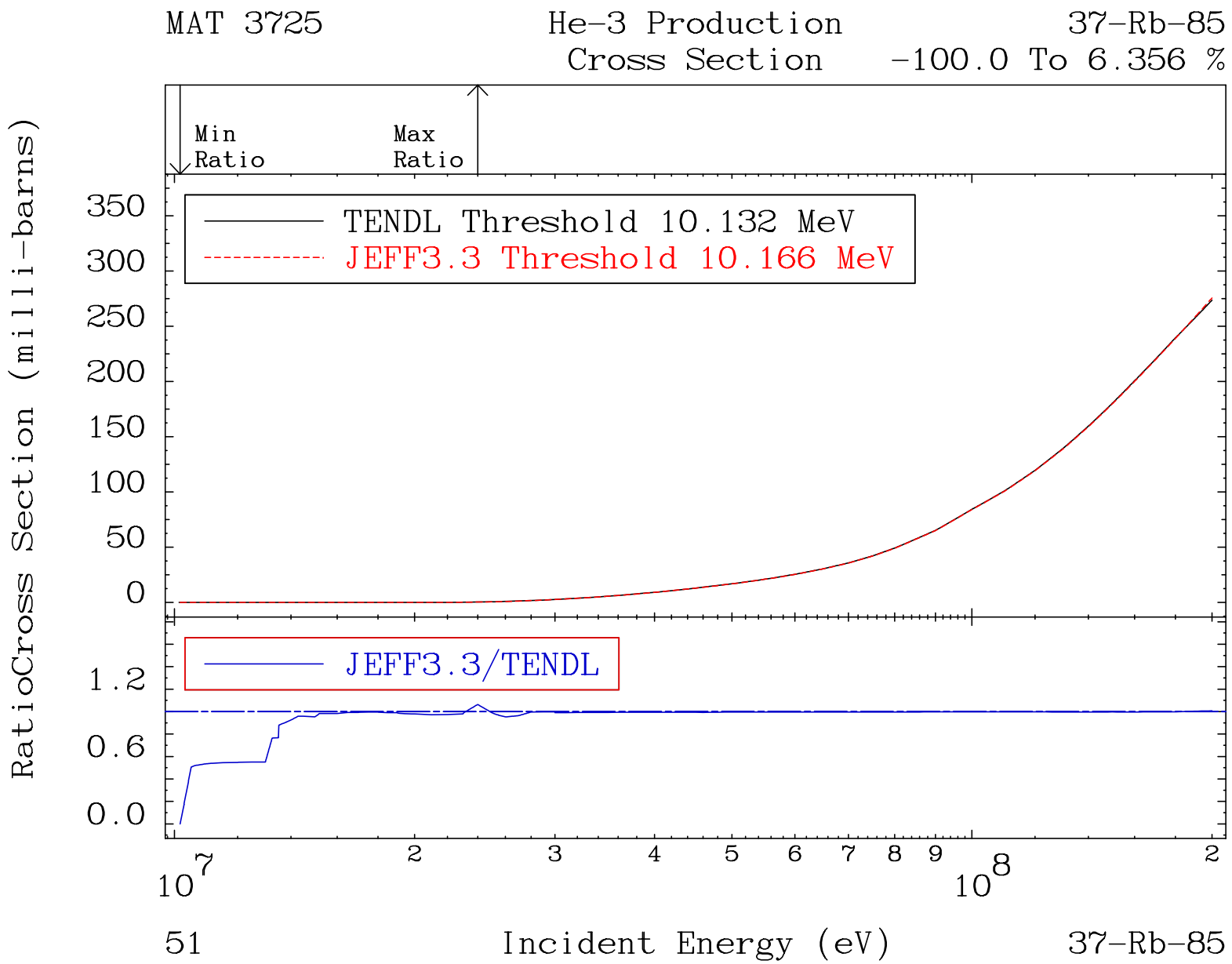

MAT 3725
(n,p) t
Cross Section
37-Rb-85
-100.0 To 204.8 %
Max
Ratio
TENDL Threshold 19.060 MeV
JEFF3.3 Threshold 19.094 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
600
400
200
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
37-Rb-85

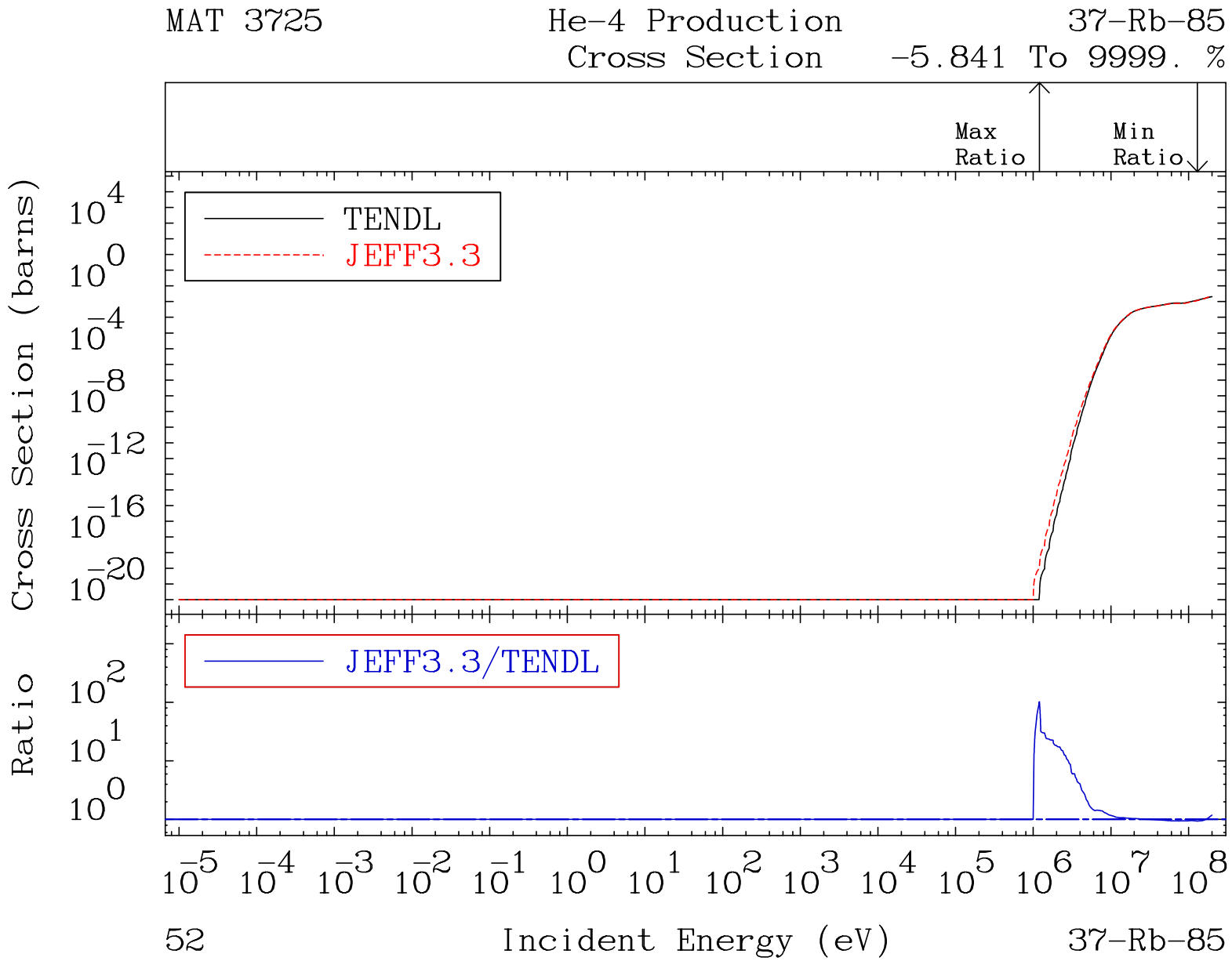

MAT 3725
(n,d) α
37-Rb-85
Cross Section
-100.0 To 1341. %
Min Ratio
Max Ratio
TENDL Threshold 12.039 MeV
JEFF3.3 Threshold 12.072 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
160
120
80
40
0
20
10
0
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
37-Rb-85

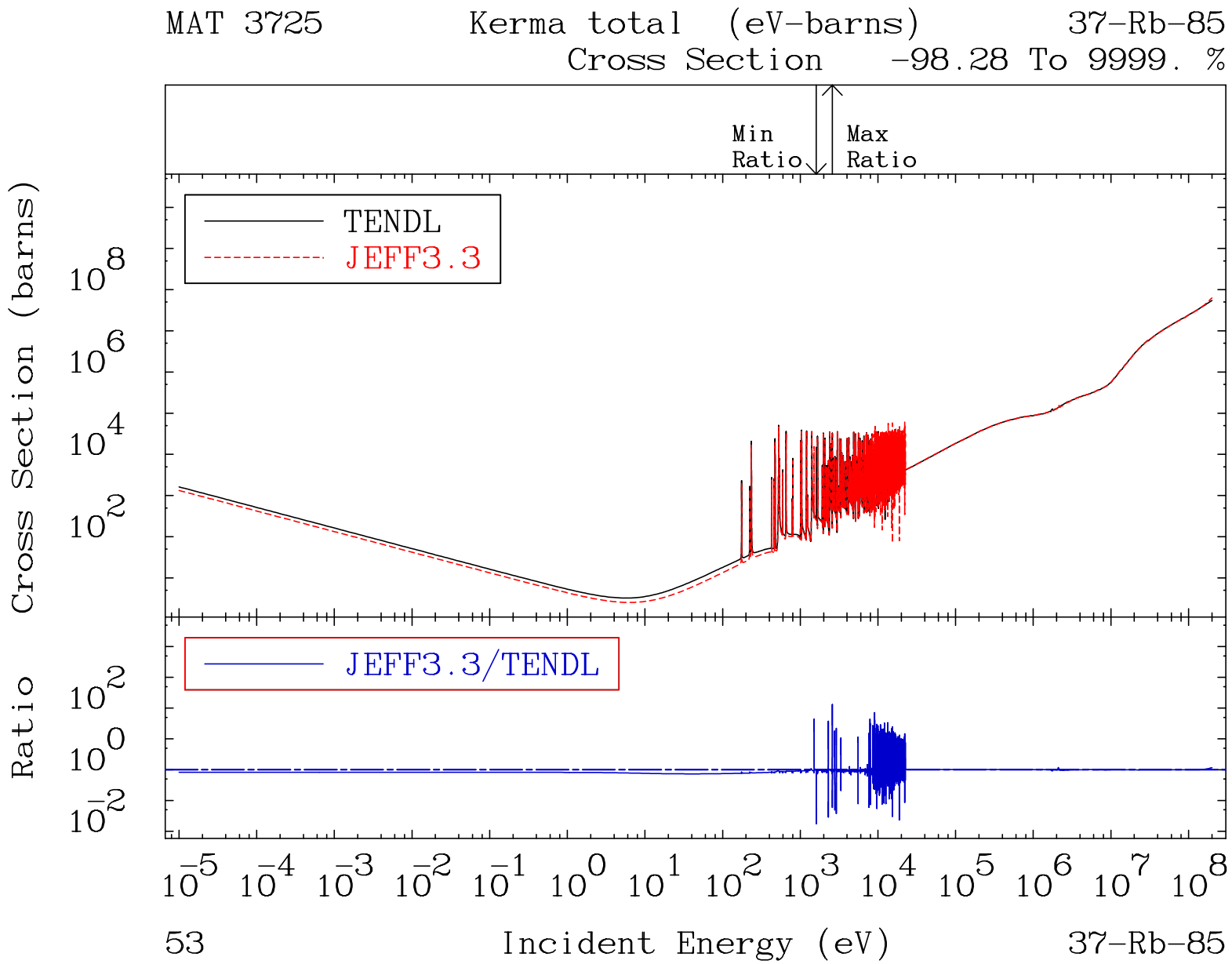

MAT 3725
Hydrogen Production
37-Rb-85
Cross Section
-43.45 To 81.86 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
37-Rb-85

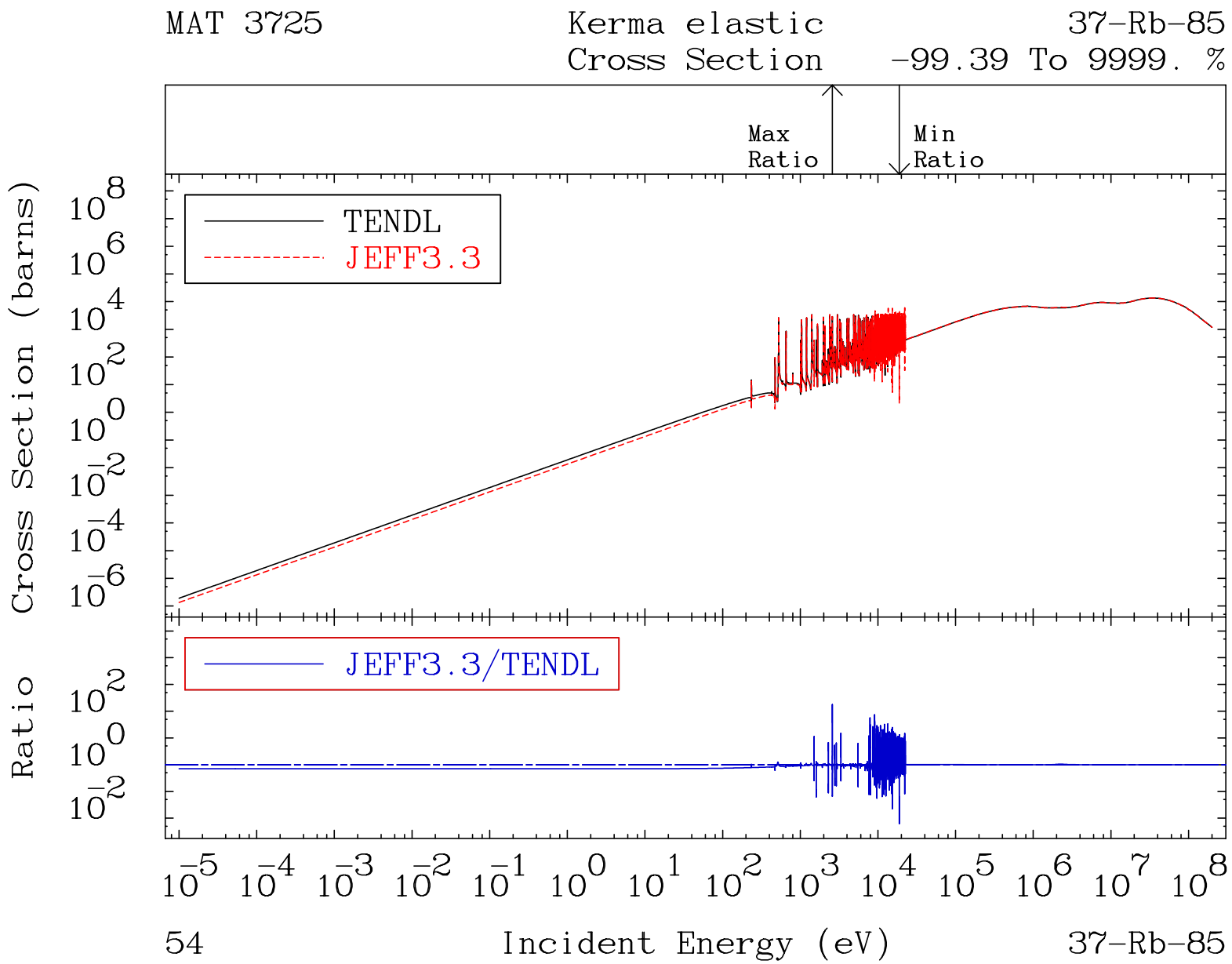

MAT 3725
Deuterium Production
37-Rb-85
Cross Section
-5.347 To 78.86 %
Min Ratio
Max Ratio
TENDL Threshold 4.8493 MeV
JEFF3.3 Threshold 4.8488 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
2.0
1.6
1.2
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
49
Incident Energy (eV)
37-Rb-85

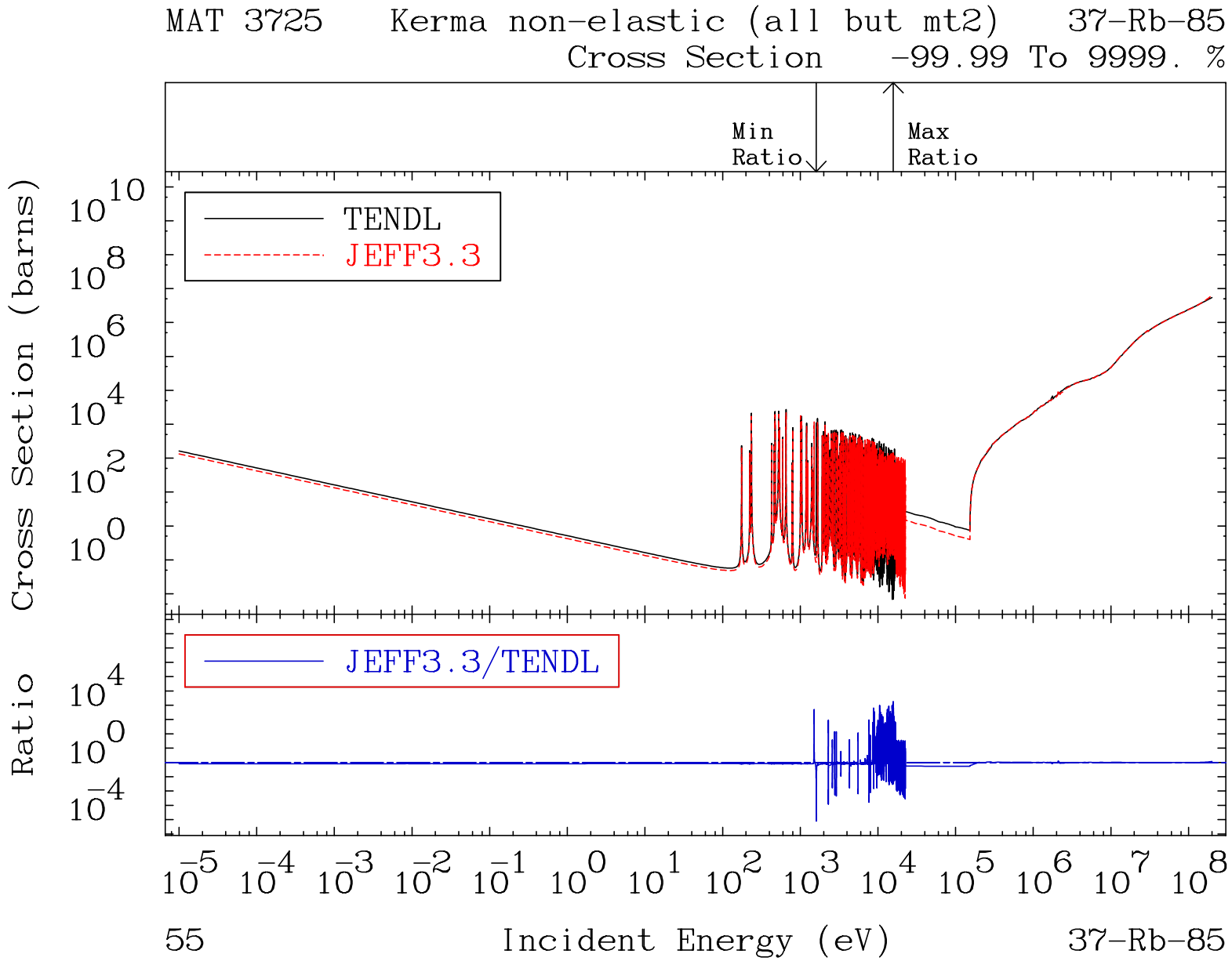

MAT 3725
Tritium Production
37-Rb-85
Cross Section
-100.0 To 110.6 %
Min
Ratio
Max
Ratio
TENDL Threshold 9.1627 MeV
JEFF3.3 Threshold 9.1964 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
3.0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
50
Incident Energy (eV)
37-Rb-85

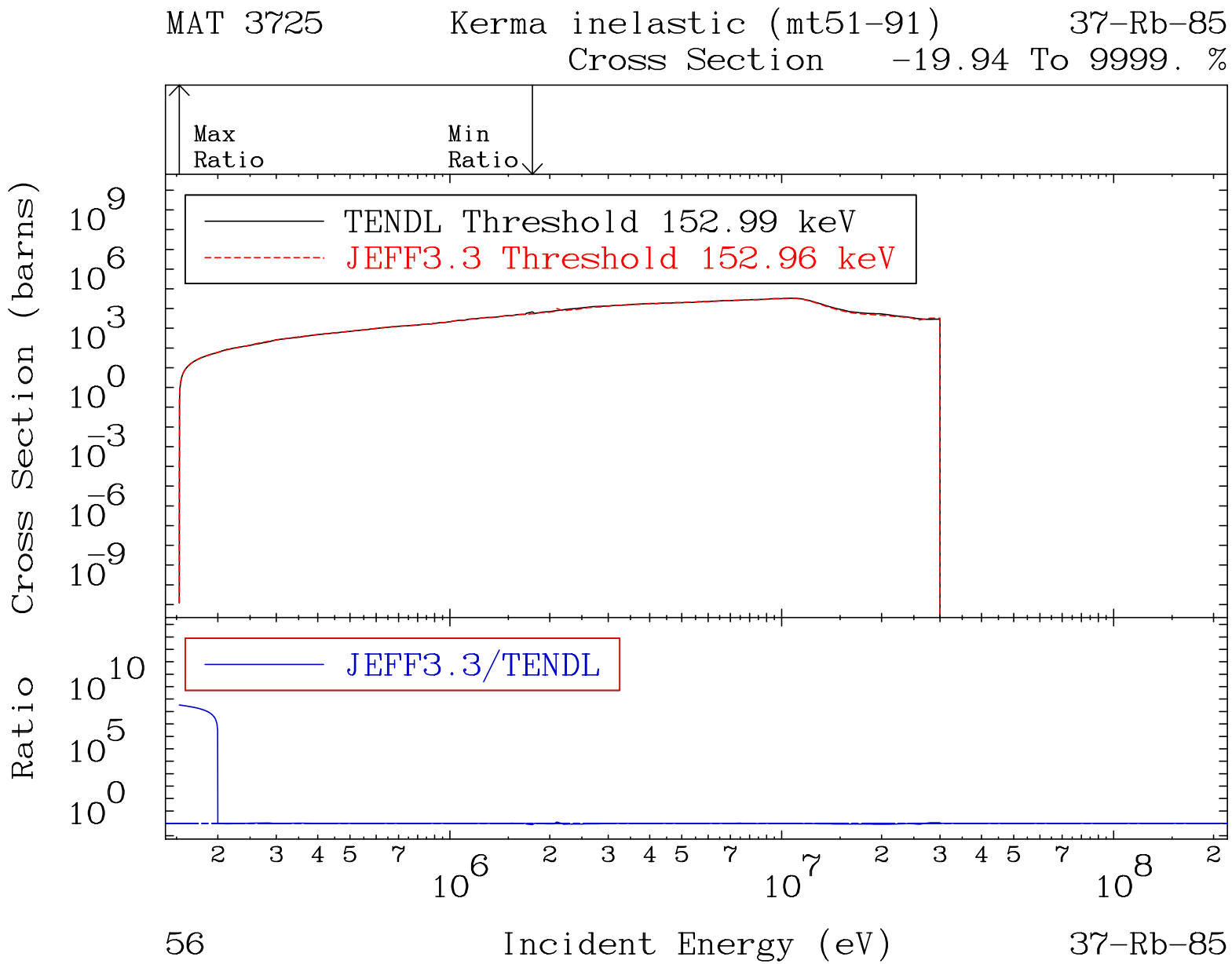

MAT 3725
He-3 Production
Cross Section
37-Rb-85
-100.0 To 6.356 %
Min Ratio
Max Ratio
TENDL Threshold 10.132 MeV
JEFF3.3 Threshold 10.166 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
1.2
0.6
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
51
Incident Energy (eV)
37-Rb-85

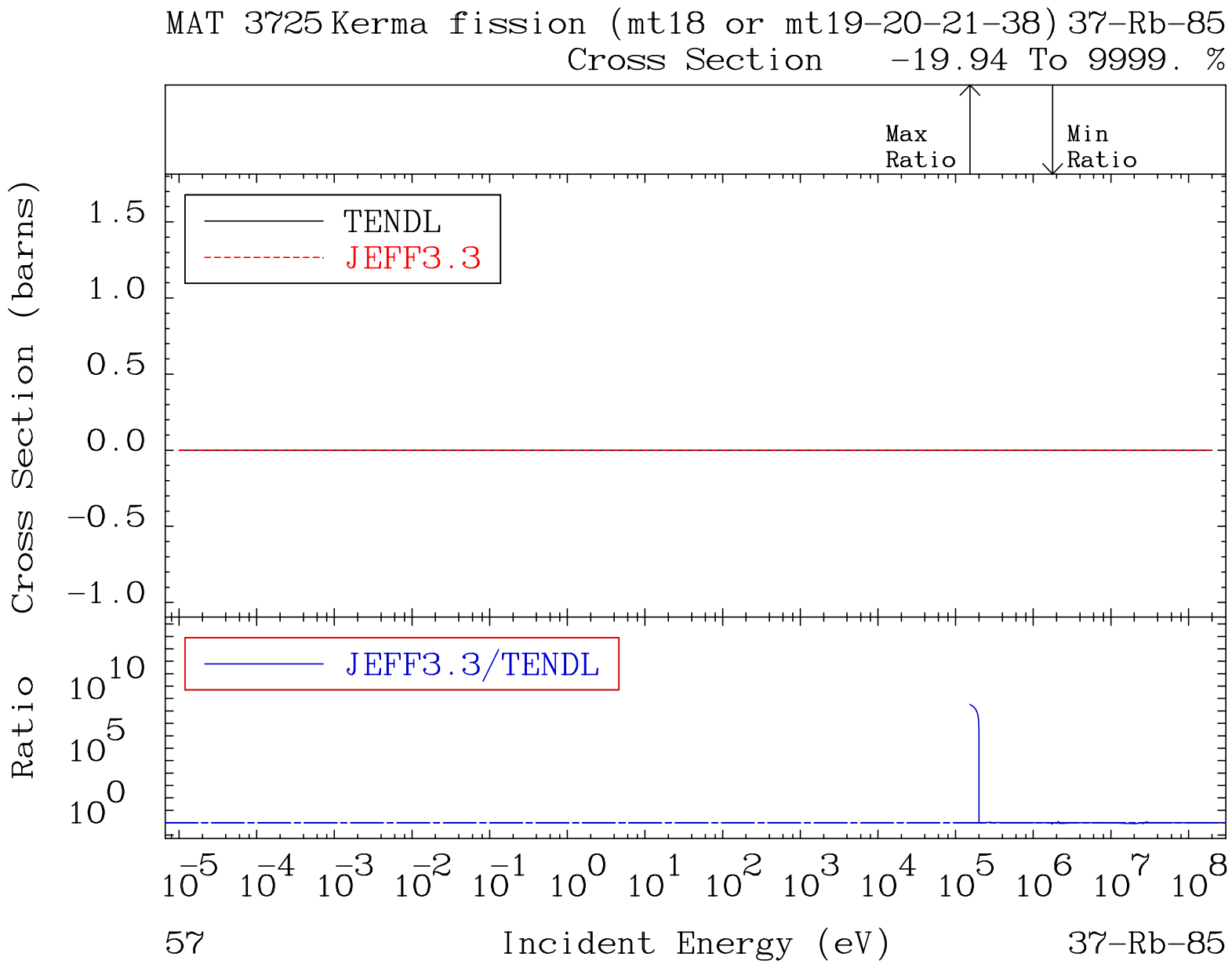

MAT 3725
He-4 Production
Cross Section
37-Rb-85
-5.841 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
37-Rb-85

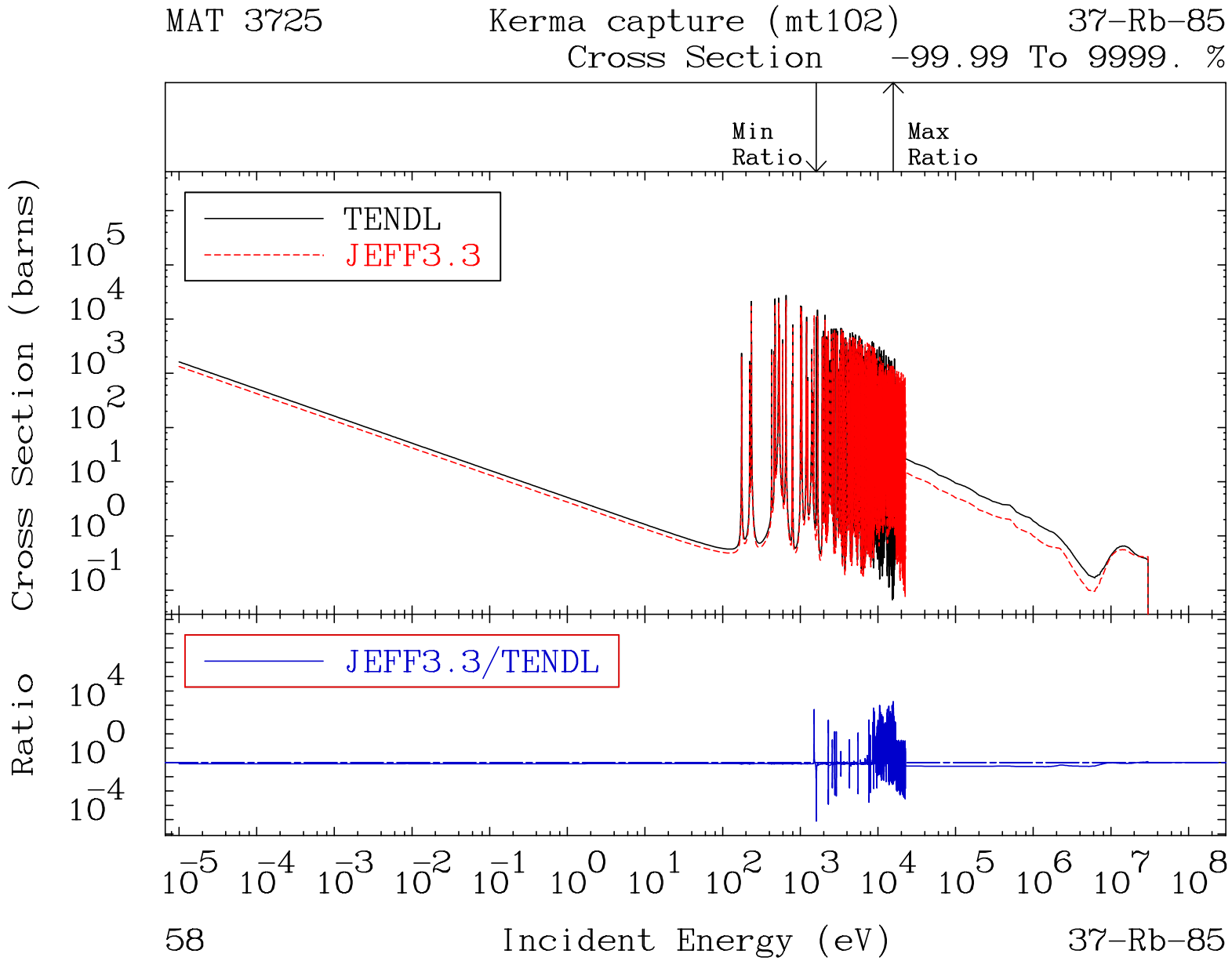

MAT 3725
Kerma total (eV-barns)
37-Rb-85
Cross Section -98.28 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
37-Rb-85

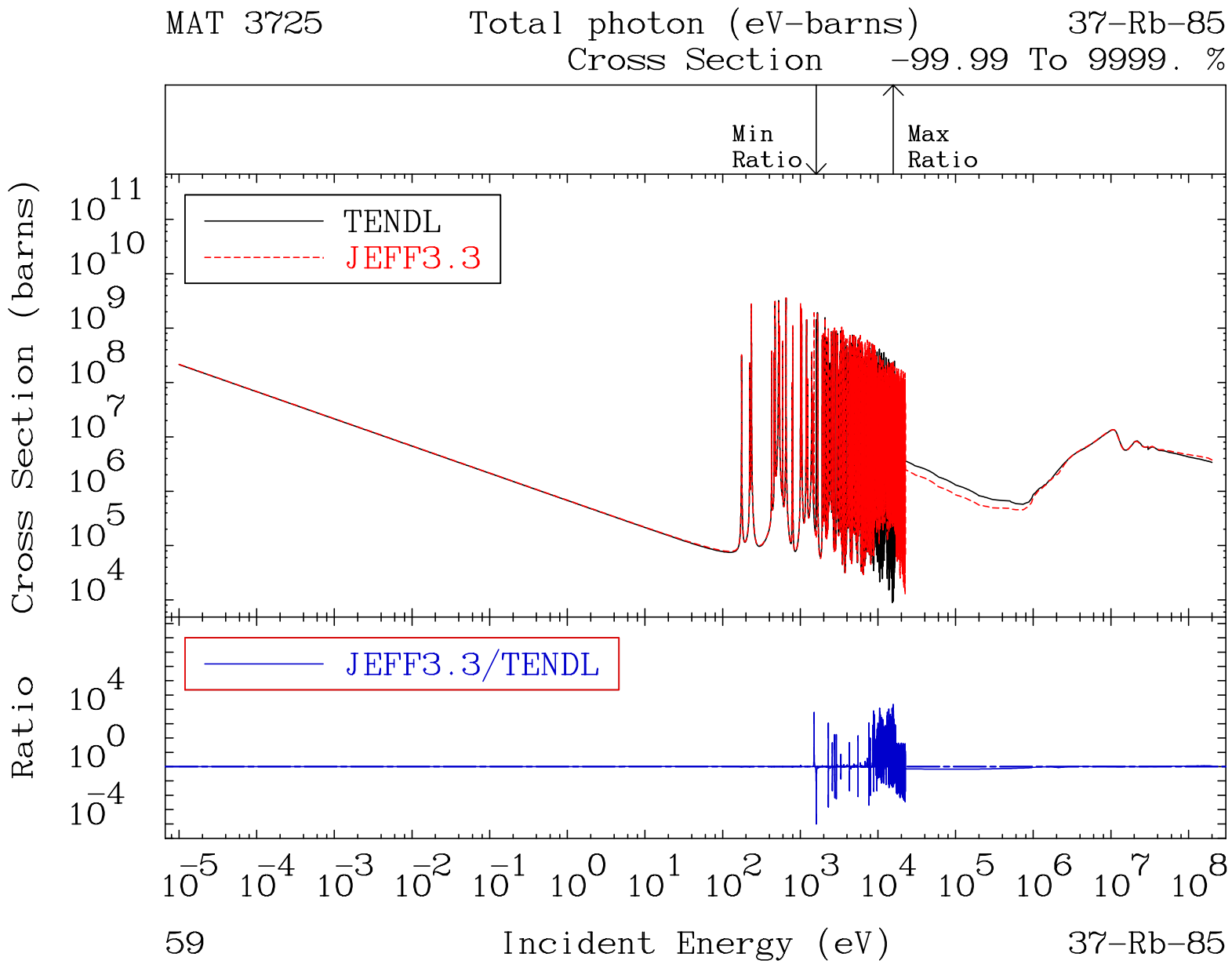

MAT 3725
Kerma elastic
Cross Section
37-Rb-85
-99.39 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
37-Rb-85

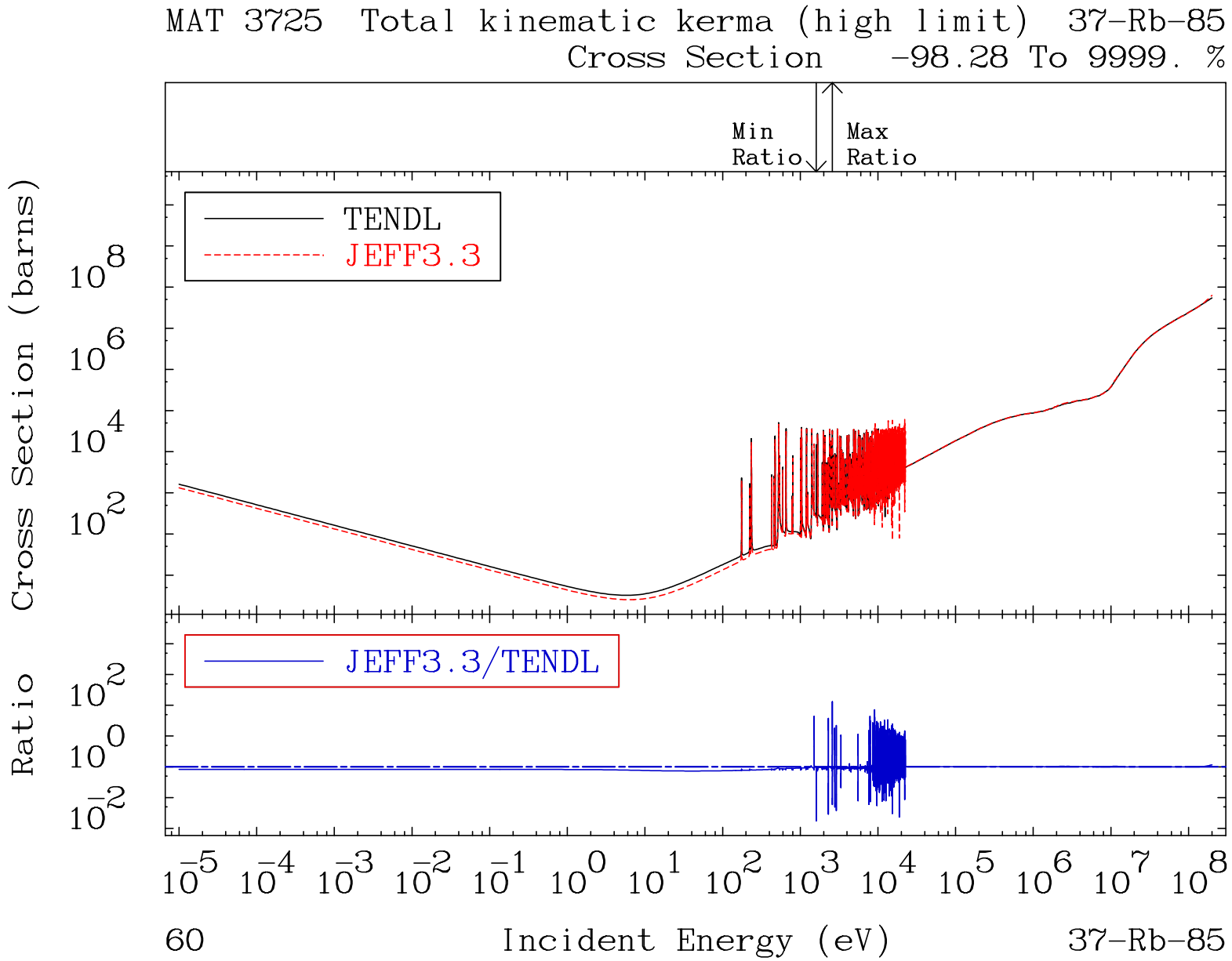

MAT 3725 Kerma non-elastic (all but mt2) 37-Rb-85
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
37-Rb-85

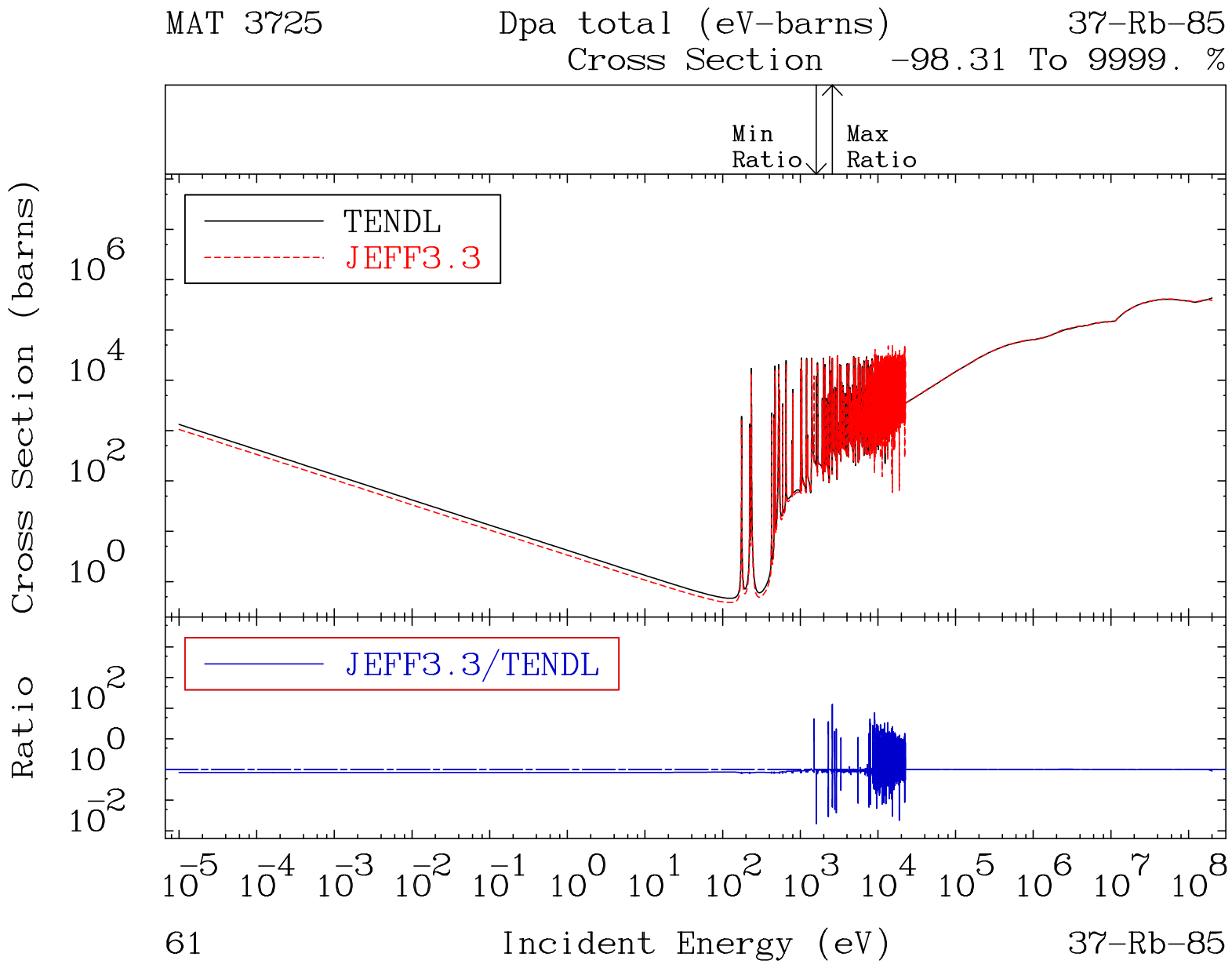

MAT 3725
Kerma inelastic (mt51-91)
37-Rb-85
Cross Section -19.94 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 152.99 keV
JEFF3.3 Threshold 152.96 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
37-Rb-85

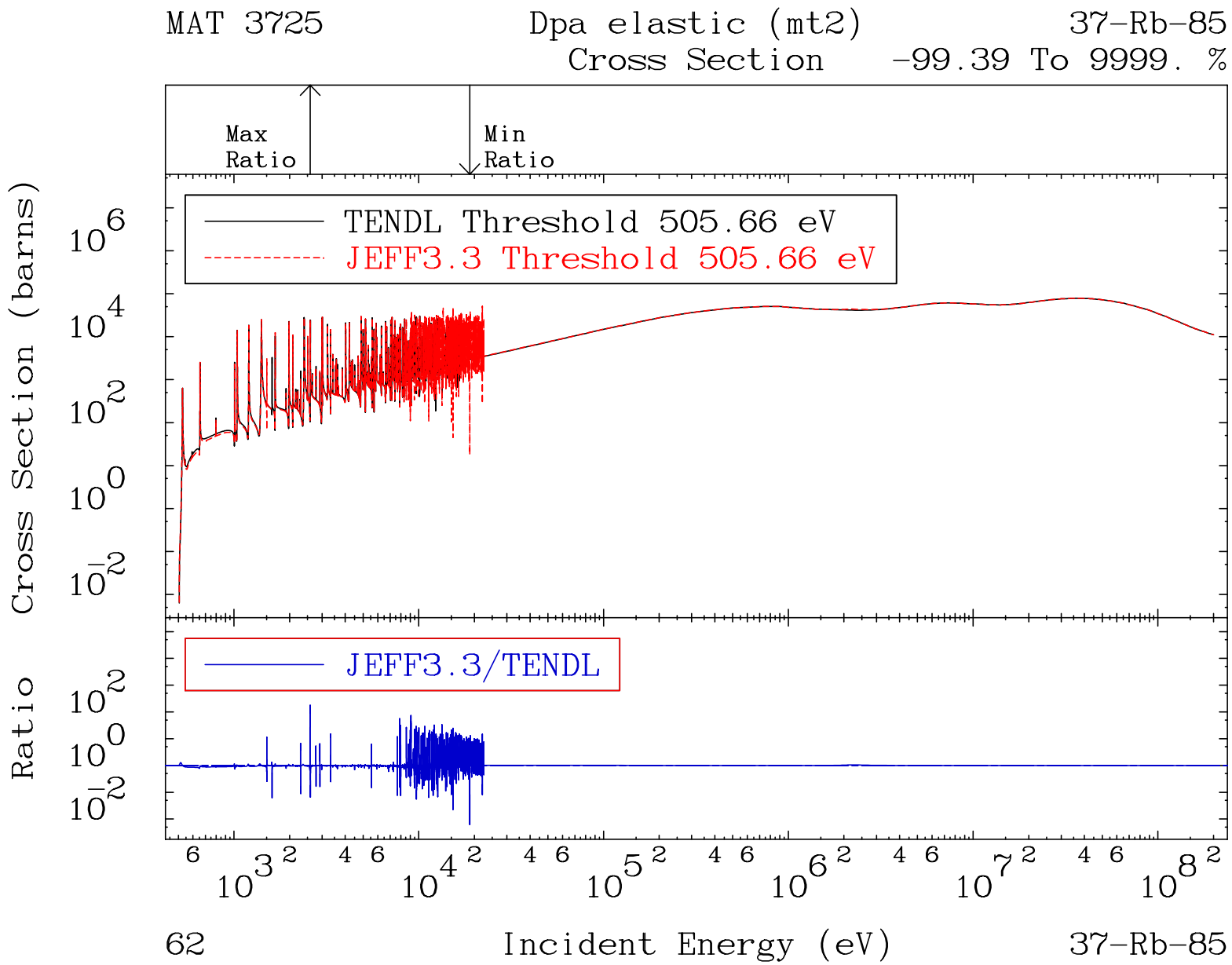

MAT 3725 Kerma fission (mt18 or mt19-20-21-38) 37-Rb-85
Cross Section -19.94 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{10}
10^{5}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
57
Incident Energy (eV)
37-Rb-85

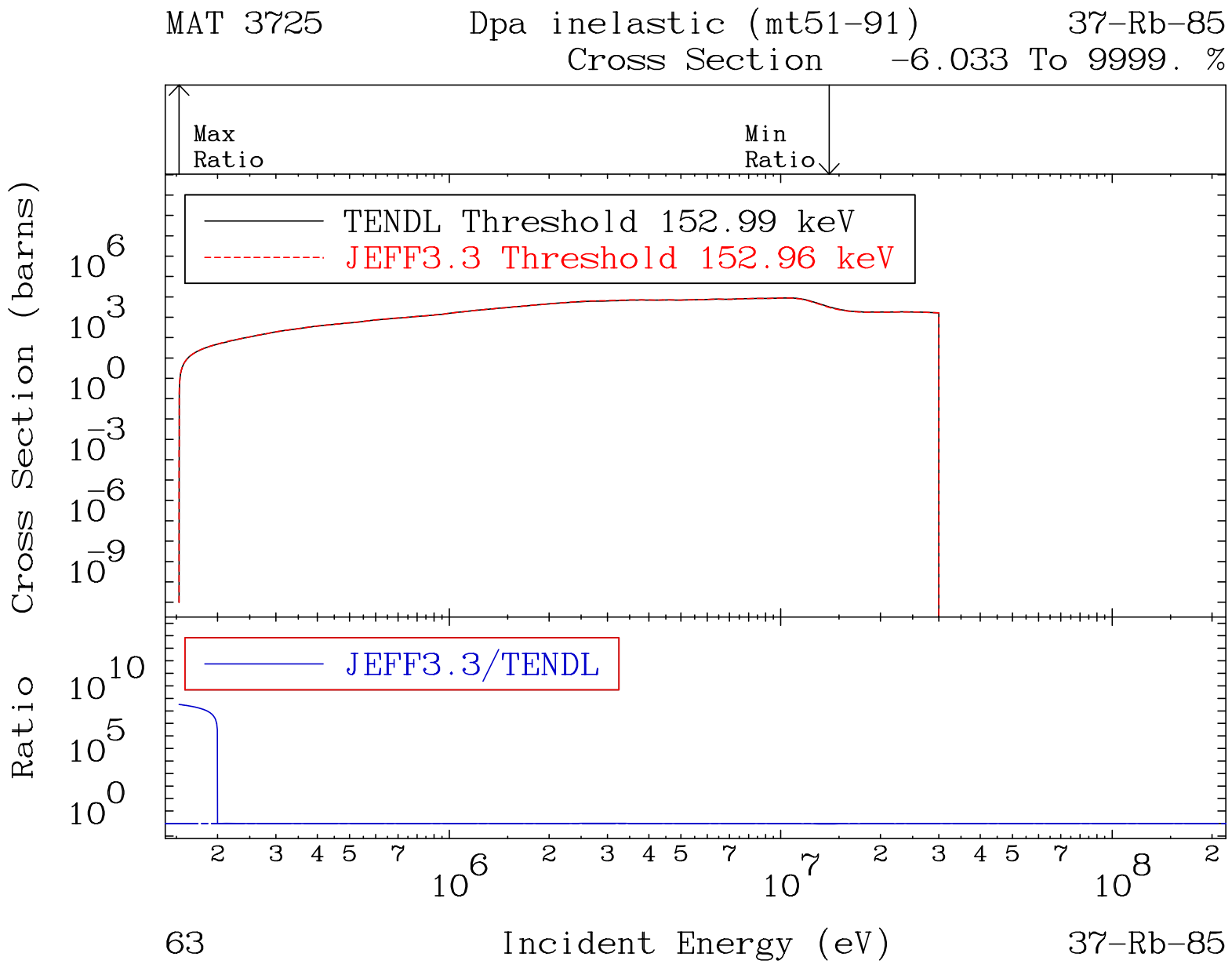

MAT 3725
Kerma capture (mt102)
37-Rb-85
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
37-Rb-85

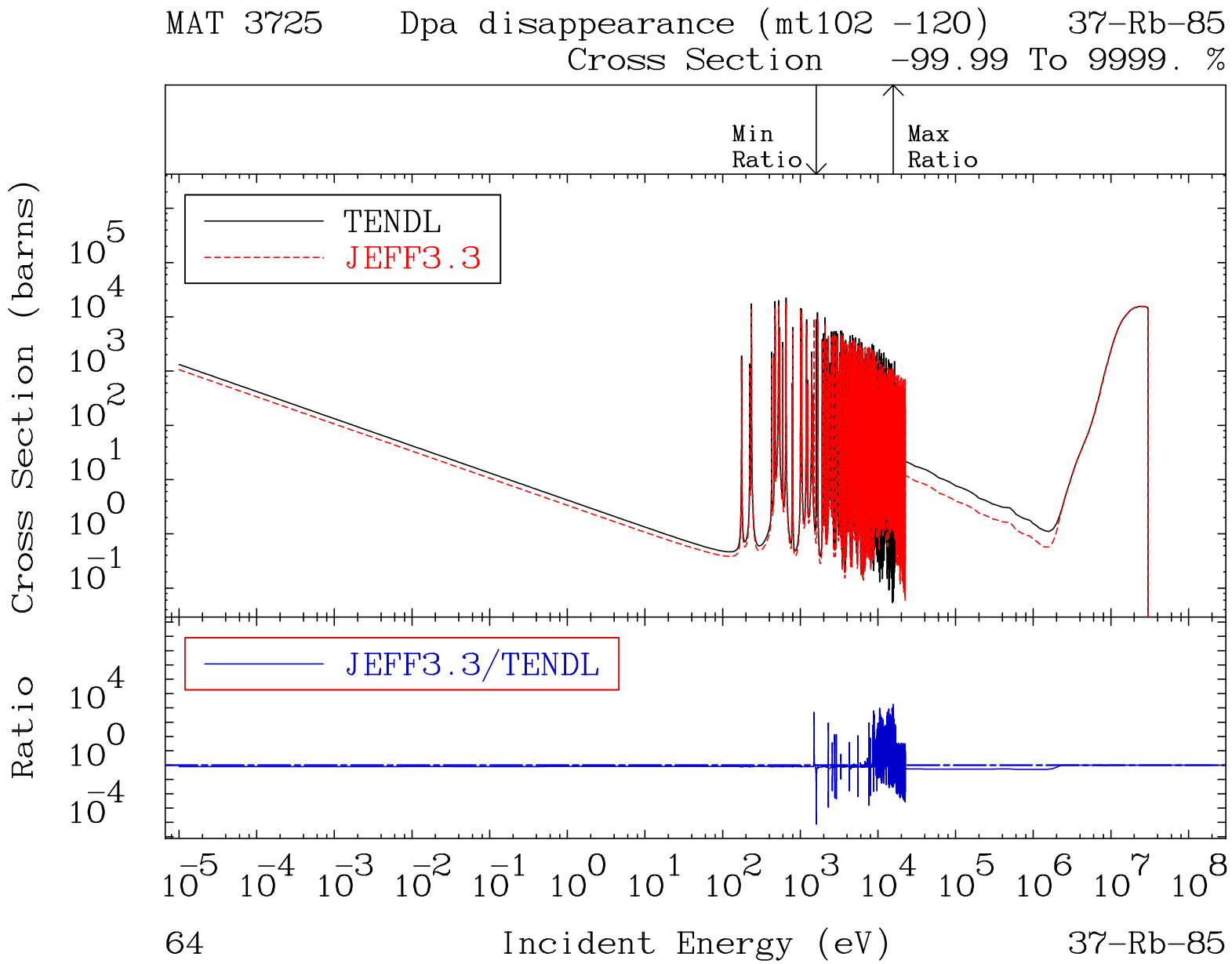

MAT 3725
Total photon (eV-barns)
37-Rb-85
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
37-Rb-85

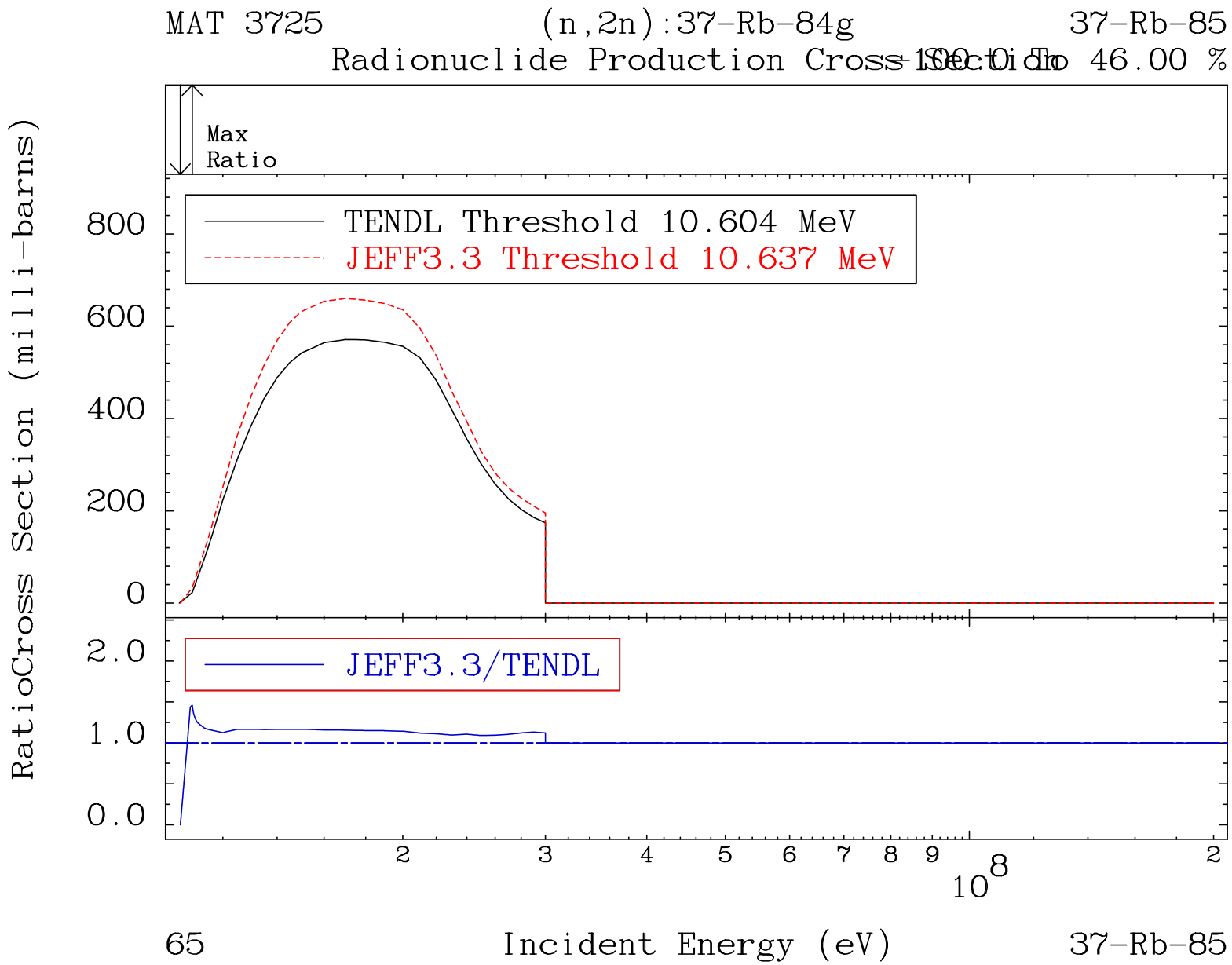

MAT 3725 Total kinematic kerma (high limit) 37-Rb-85
Cross Section -98.28 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
37-Rb-85

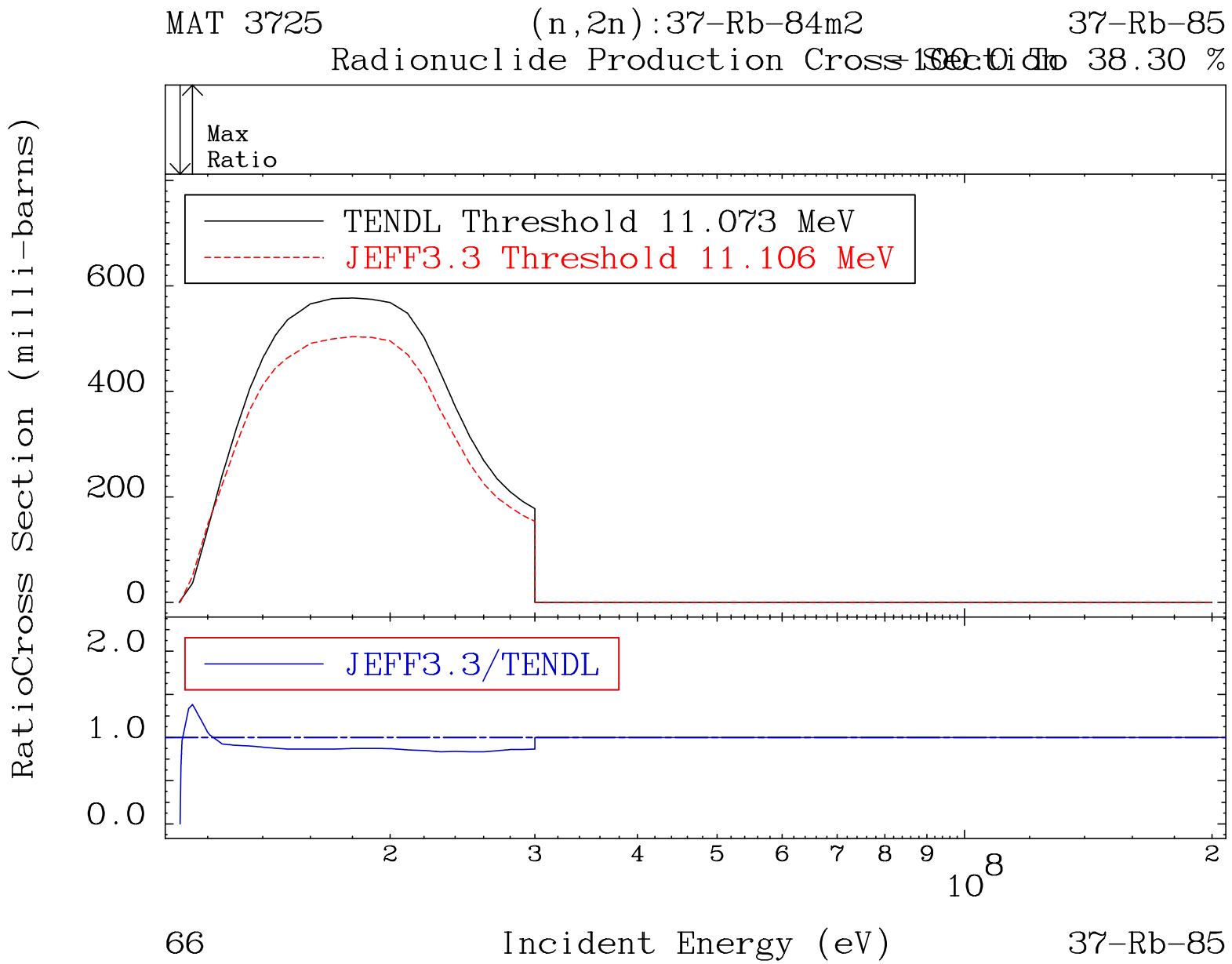

MAT 3725
Dpa total (eV-barns)
37-Rb-85
Cross Section -98.31 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
37-Rb-85

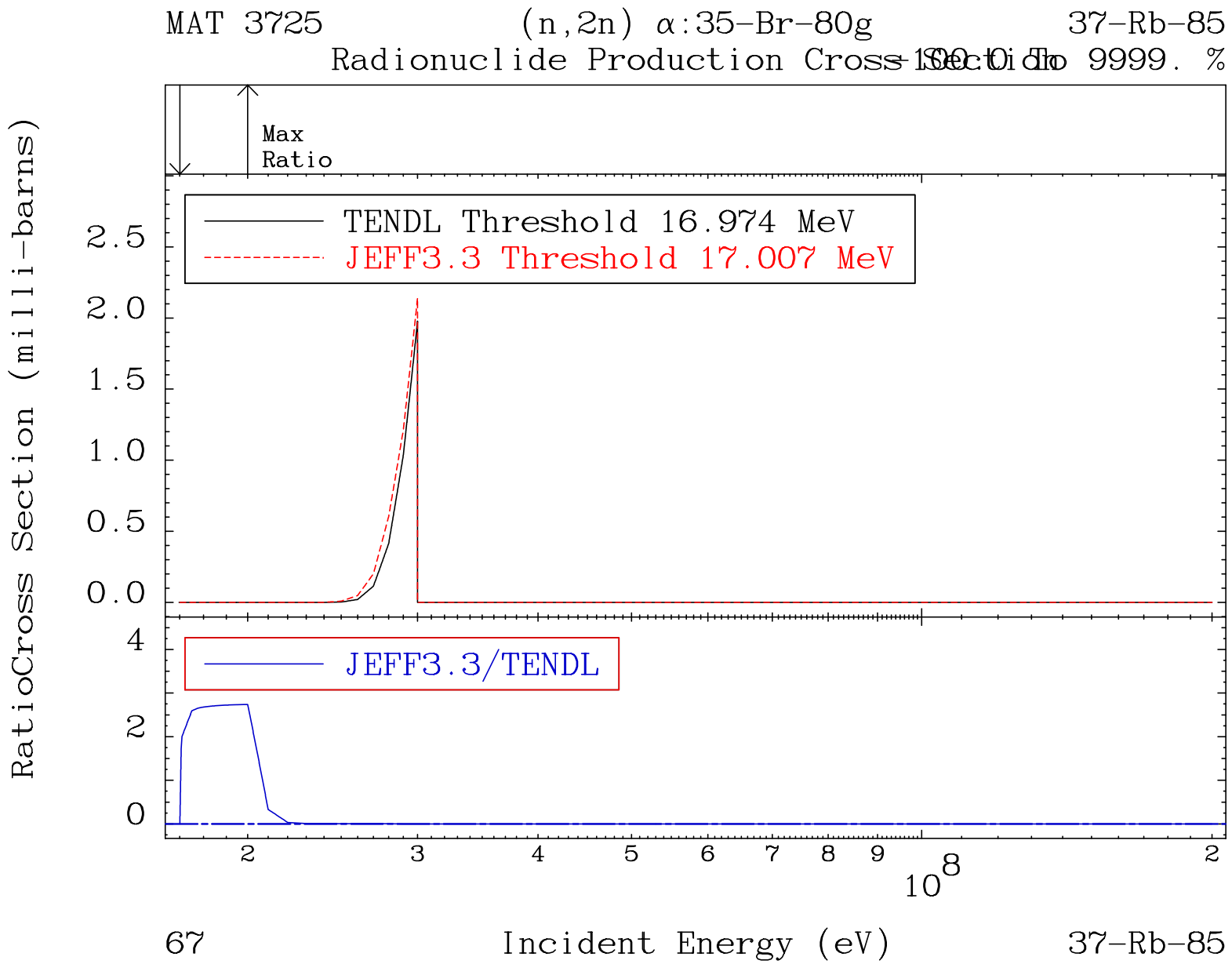

MAT 3725
Dpa elastic (mt2)
Cross Section
37-Rb-85
-99.39 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 505.66 eV
JEFF3.3 Threshold 505.66 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
37-Rb-85

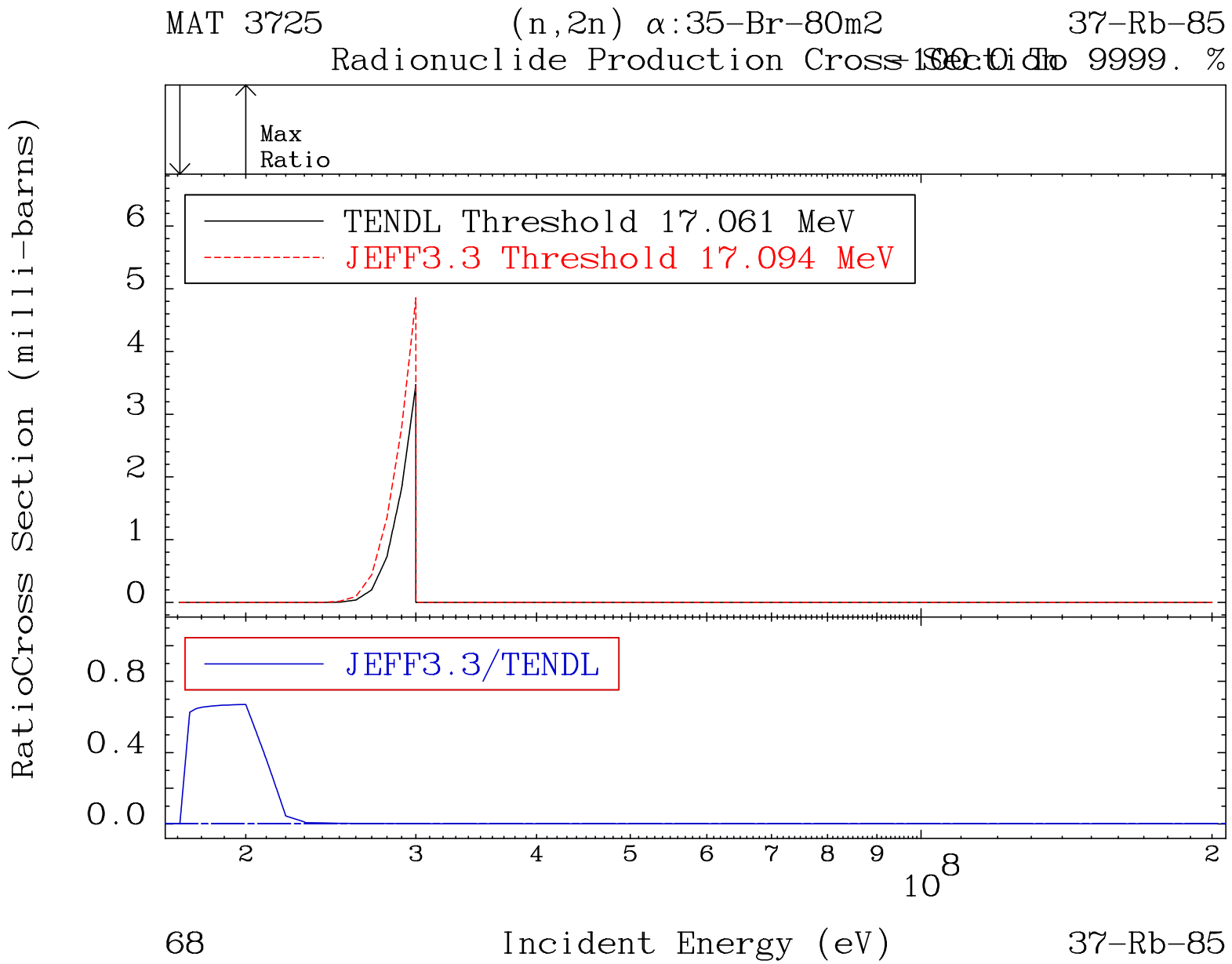

MAT 3725
Dpa inelastic (mt51-91)
37-Rb-85
Cross Section
-6.033 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 152.99 keV
JEFF3.3 Threshold 152.96 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
37-Rb-85

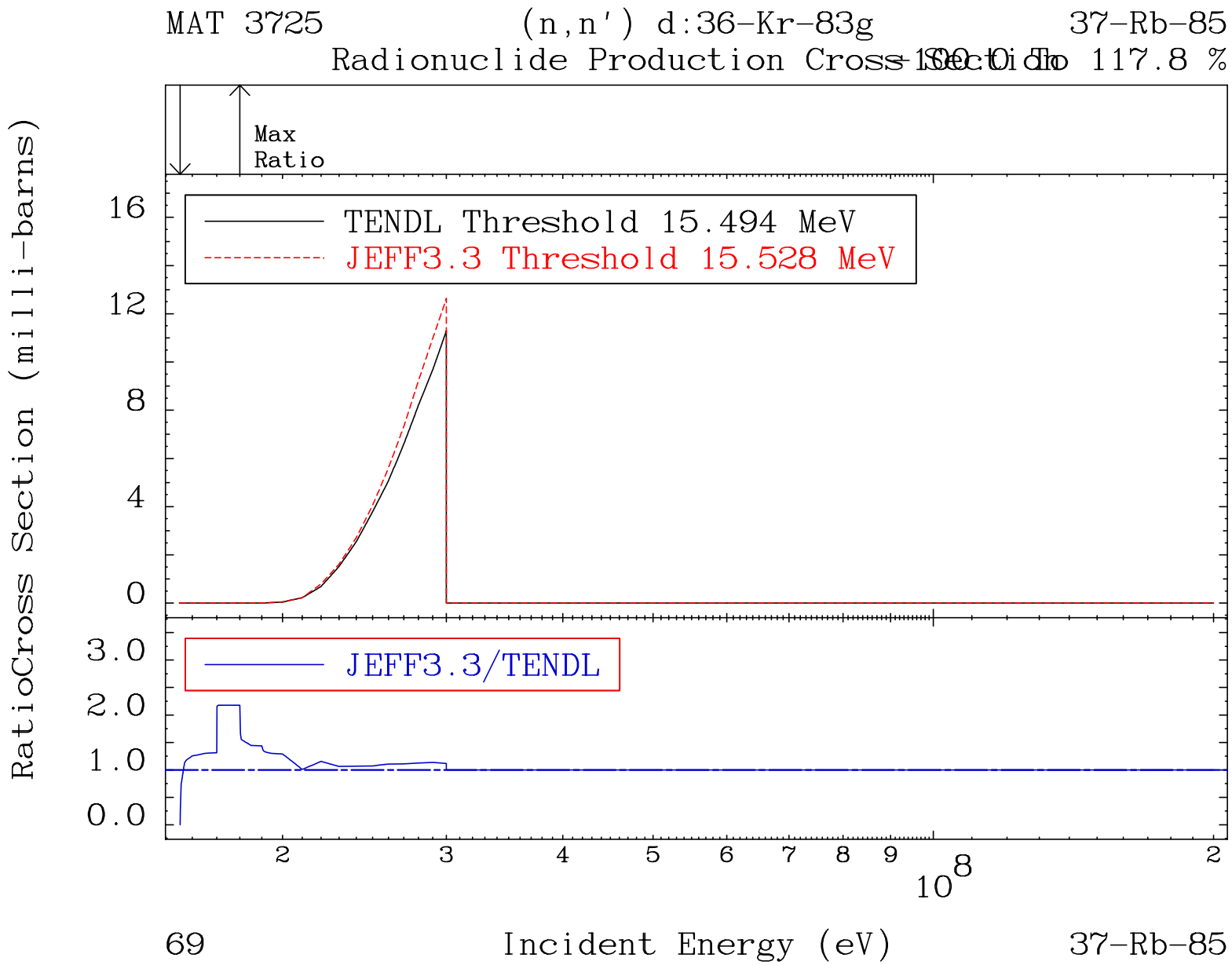

MAT 3725 Dpa disappearance (mt102 -120) 37-Rb-85
Cross Section -99.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
37-Rb-85

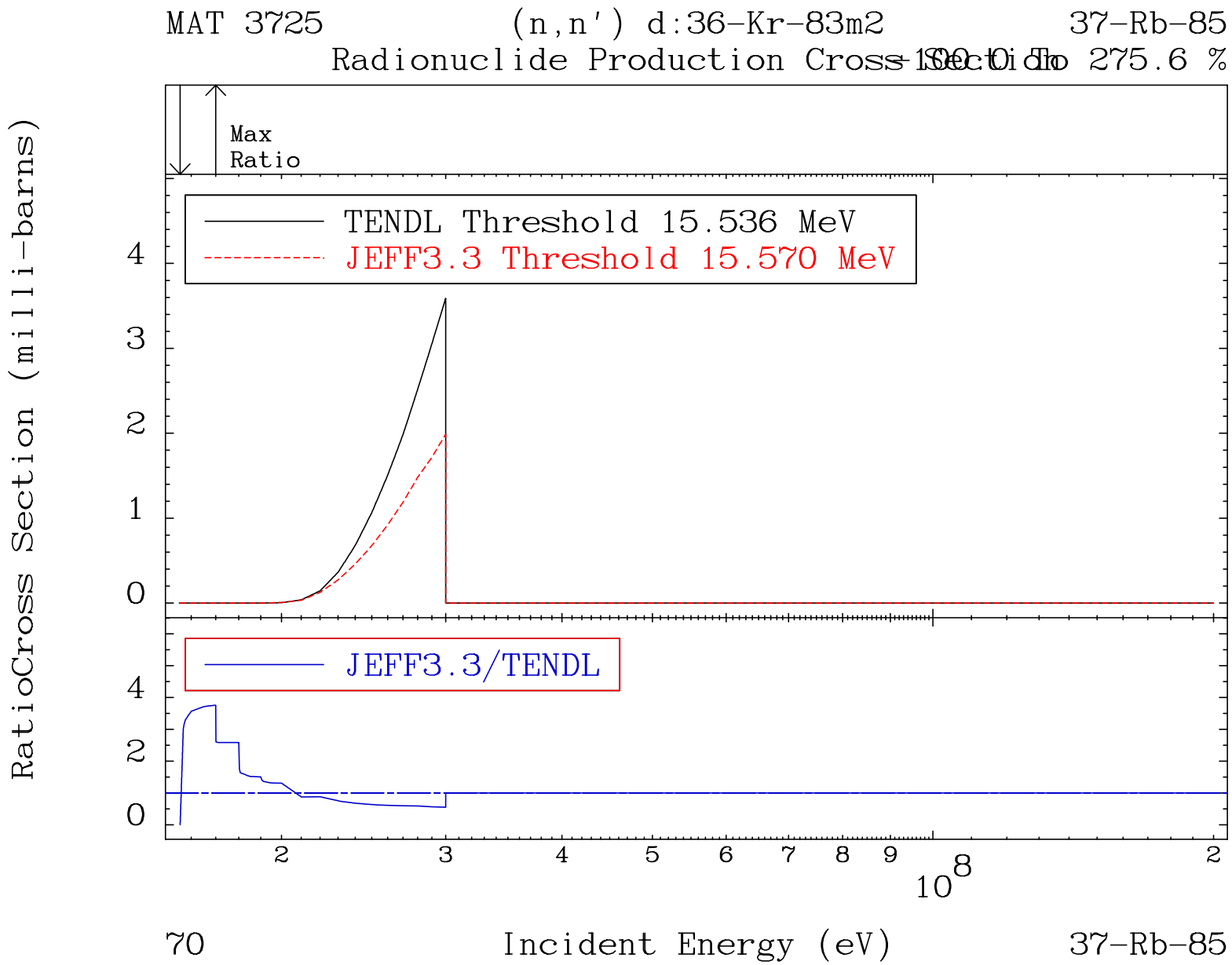

MAT 3725
(n,2n):37-Rb-84g
37-Rb-85
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 10.604 MeV
JEFF3.3 Threshold 10.637 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
65
Incident Energy (eV)
37-Rb-85

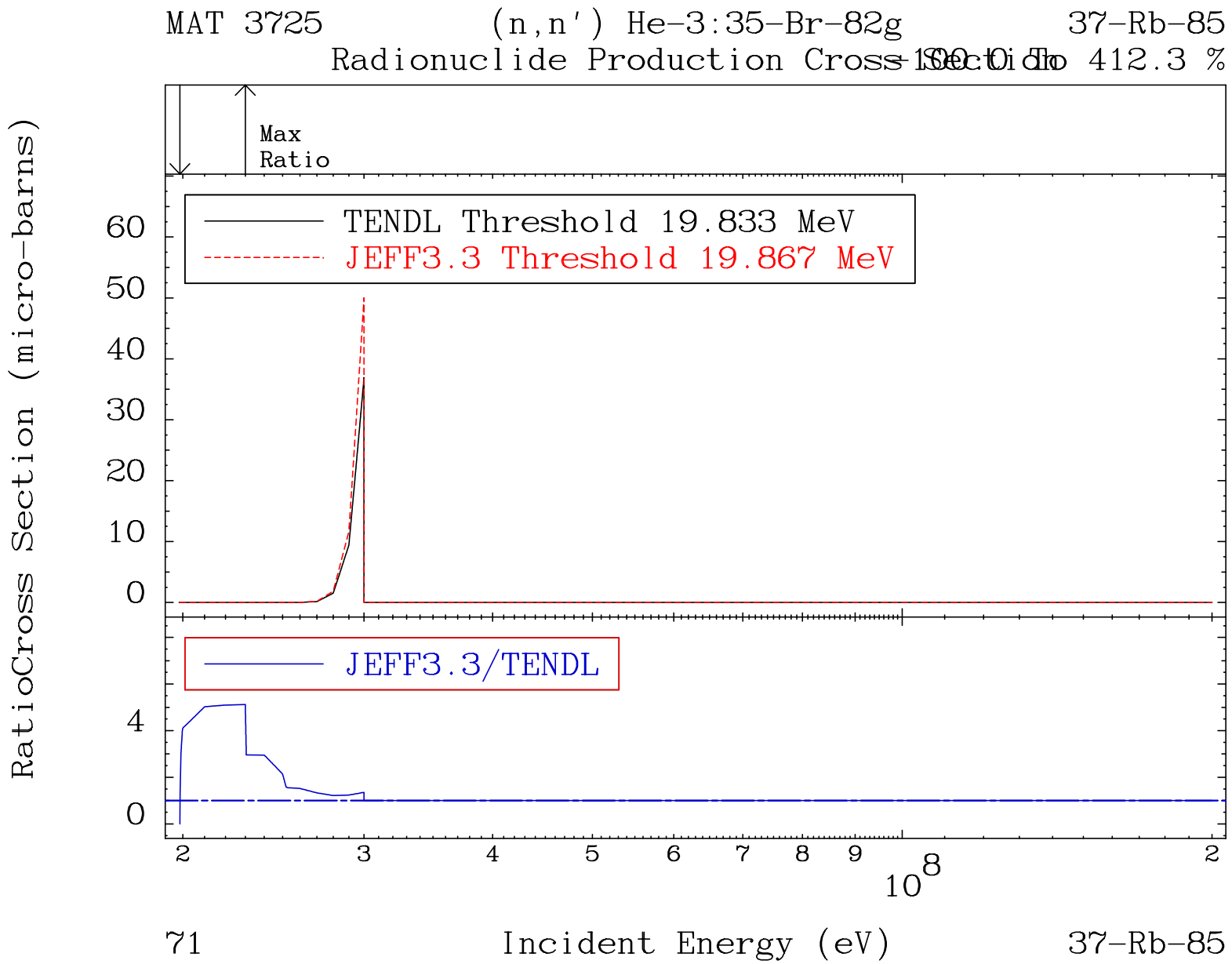

MAT 3725
(n,2n):37-Rb-84m2
37-Rb-85
Radionuclide Production Cross Section To 38.30 %
Max
Ratio
TENDL Threshold 11.073 MeV
JEFF3.3 Threshold 11.106 MeV
600
400
200
0
2.0
1.0
0.0
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2
3
4
5
6
7
8
9
2
10^8
66
Incident Energy (eV)
37-Rb-85

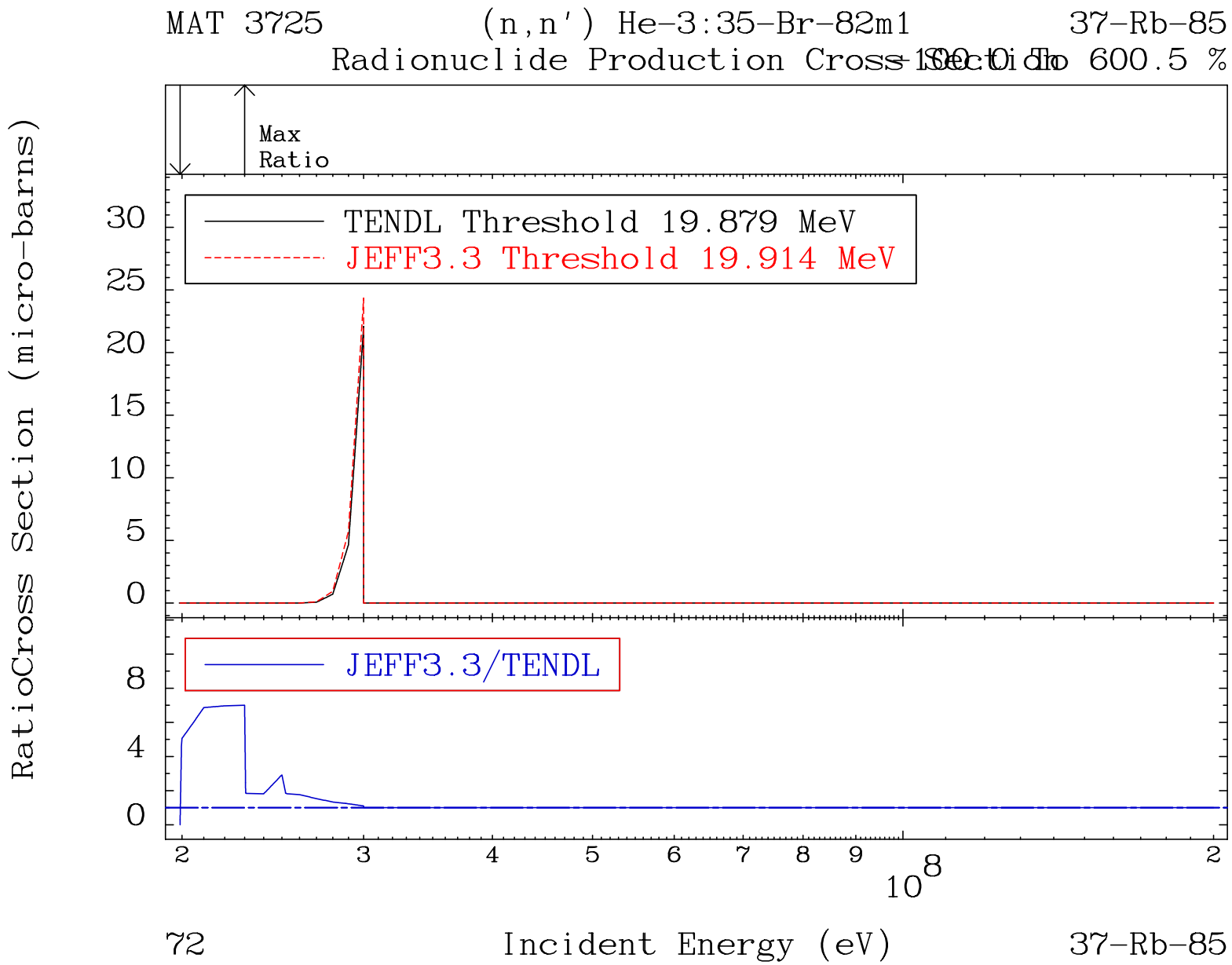

MAT 3725
(n,2n) α:35-Br-80g
37-Rb-85
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 16.974 MeV
JEFF3.3 Threshold 17.007 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
67
Incident Energy (eV)
37-Rb-85

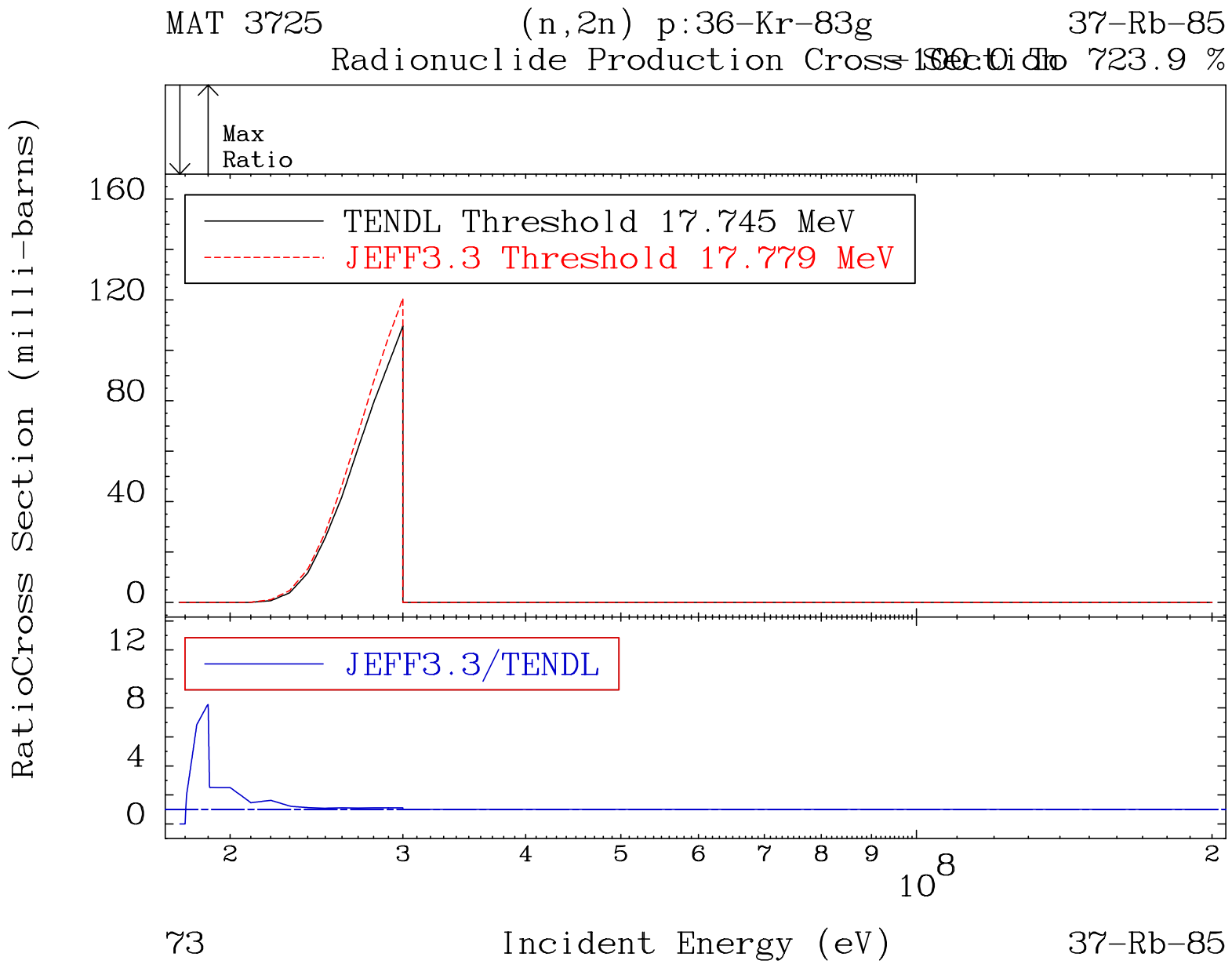

MAT 3725
(n,2n) α:35-Br-80m2
37-Rb-85
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 17.061 MeV
JEFF3.3 Threshold 17.094 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
6
5
4
3
2
1
0
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
68
Incident Energy (eV)
37-Rb-85

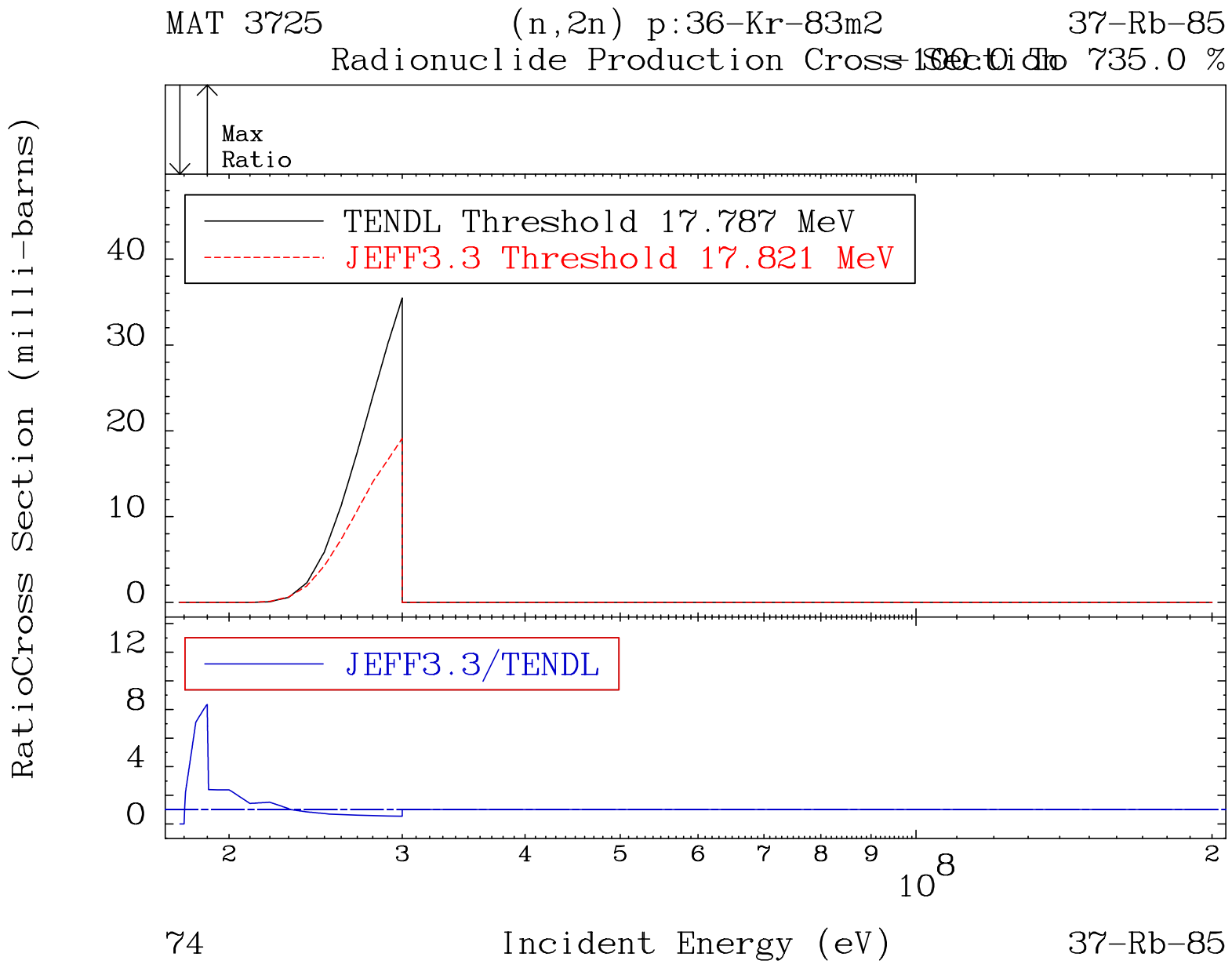

MAT 3725
(n,n') d:36-Kr-83g
37-Rb-85
Radionuclide Production Cross Section To 117.8 %
Max
Ratio
TENDL Threshold 15.494 MeV
JEFF3.3 Threshold 15.528 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
69
Incident Energy (eV)
37-Rb-85

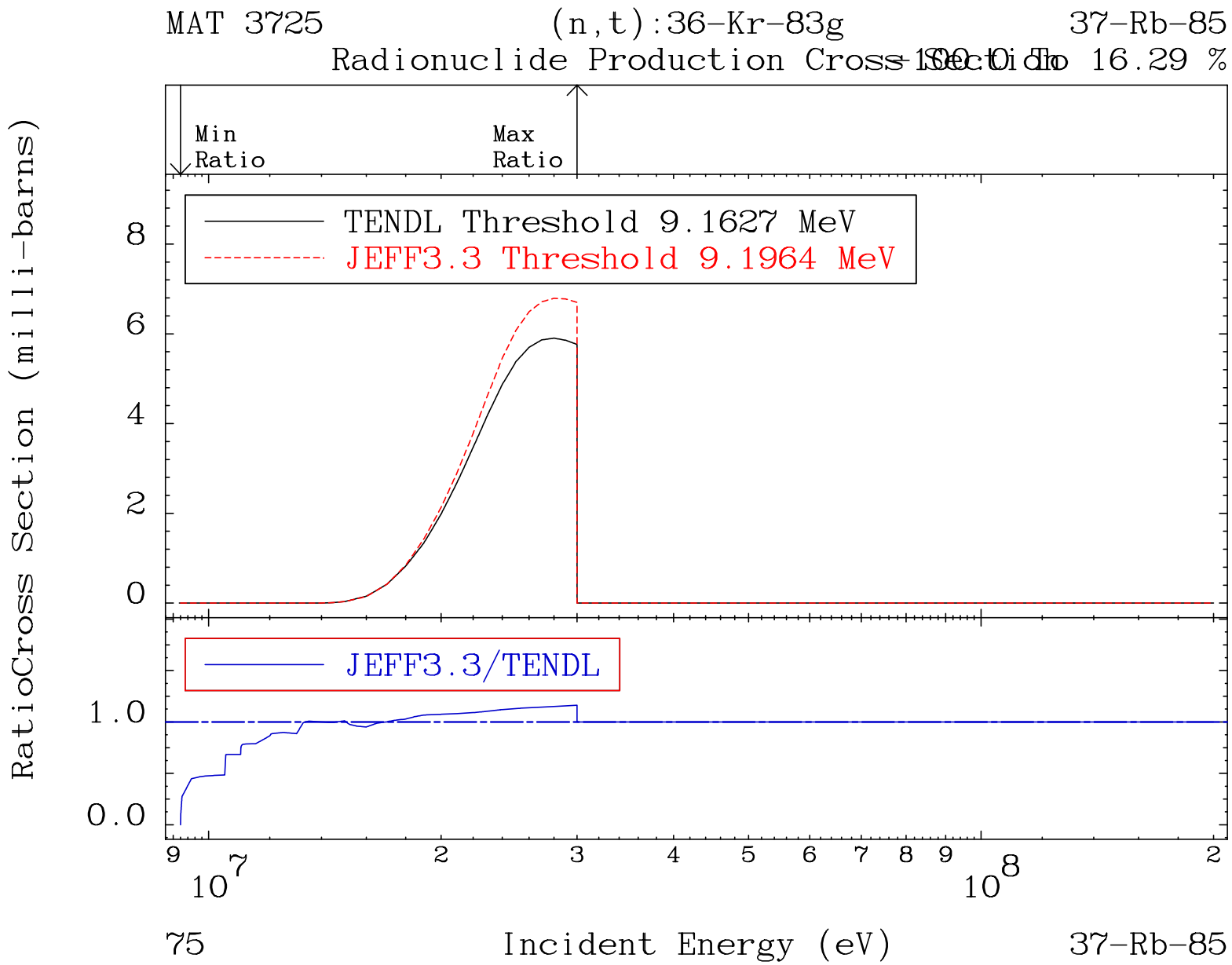

MAT 3725
(n,n') d:36-Kr-83m2
37-Rb-85
Radionuclide Production Cross Section To 275.6 %
Max
Ratio
TENDL Threshold 15.536 MeV
JEFF3.3 Threshold 15.570 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
70
37-Rb-85

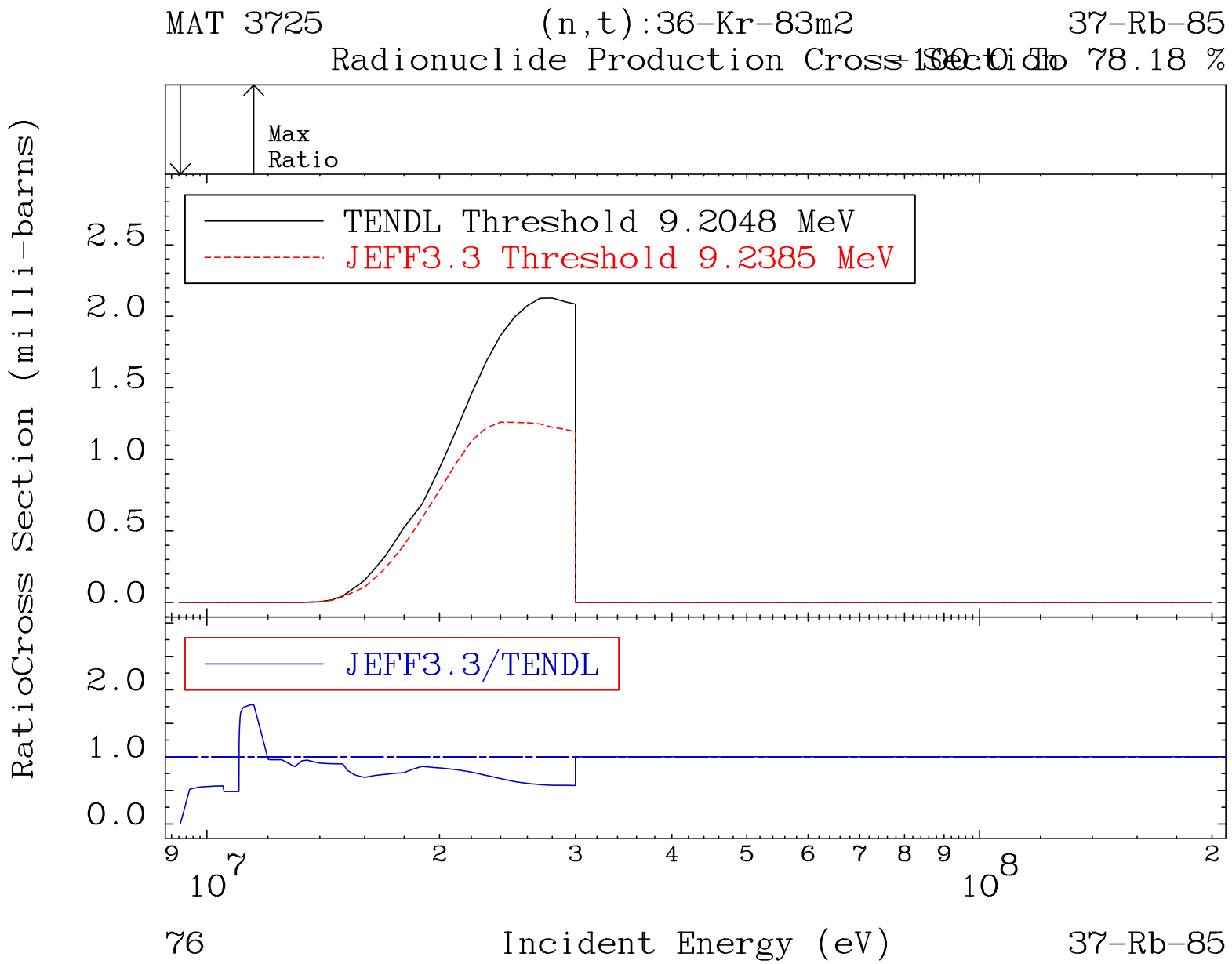

MAT 3725
(n,n') He-3:35-Br-82g
37-Rb-85
Radionuclide Production Cross Section To 412.3 %
Max
Ratio
TENDL Threshold 19.833 MeV
JEFF3.3 Threshold 19.867 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
60
50
40
30
20
10
0
4
0
2
3
4
5
6
7
8
9
10^8
2
71
Incident Energy (eV)
37-Rb-85

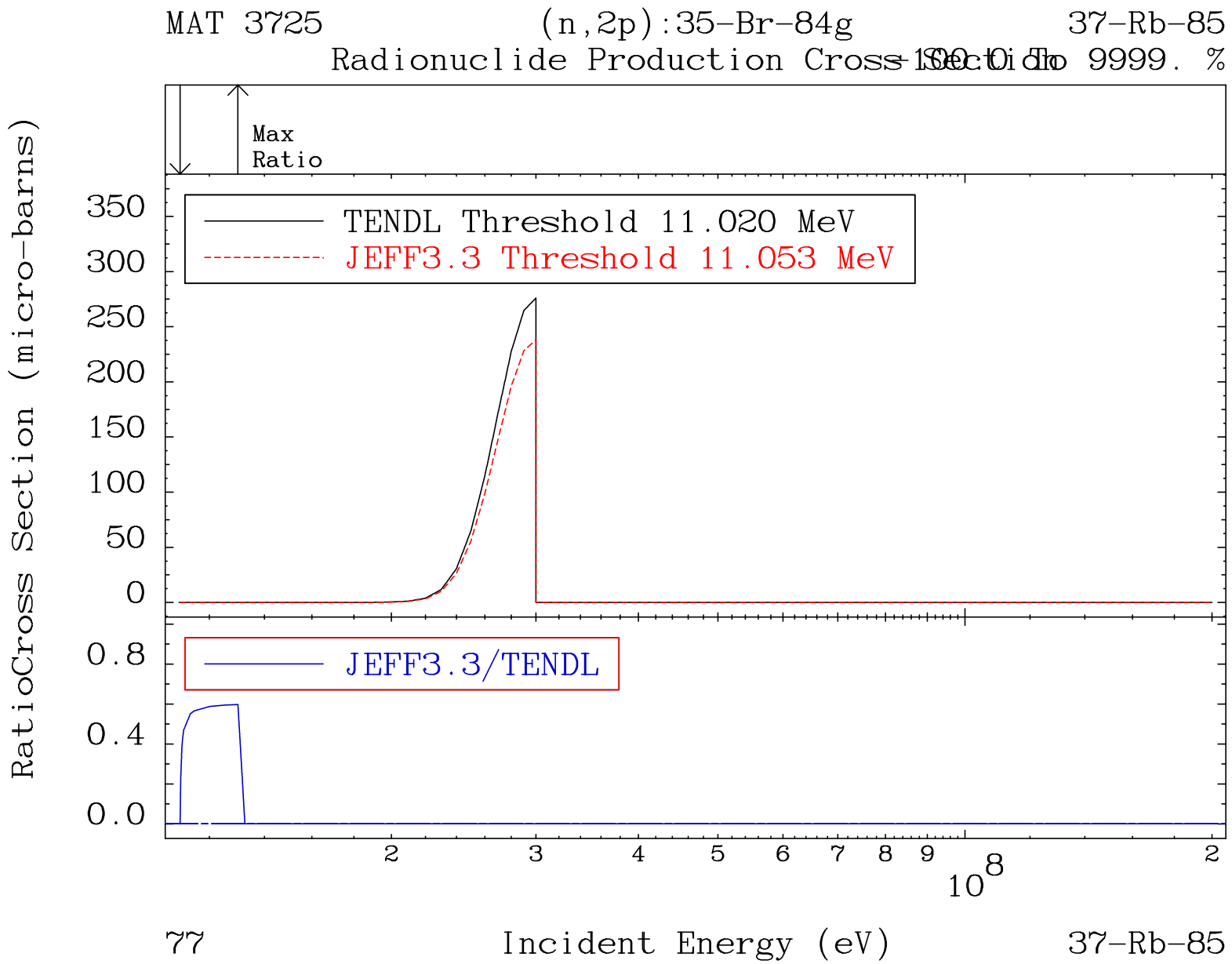

MAT 3725
(n,n') He-3:35-Br-82m1
37-Rb-85
Radionuclide Production Cross Section To 600.5 %
Max
Ratio
TENDL Threshold 19.879 MeV
JEFF3.3 Threshold 19.914 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
30
25
20
15
10
5
0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
72
Incident Energy (eV)
37-Rb-85

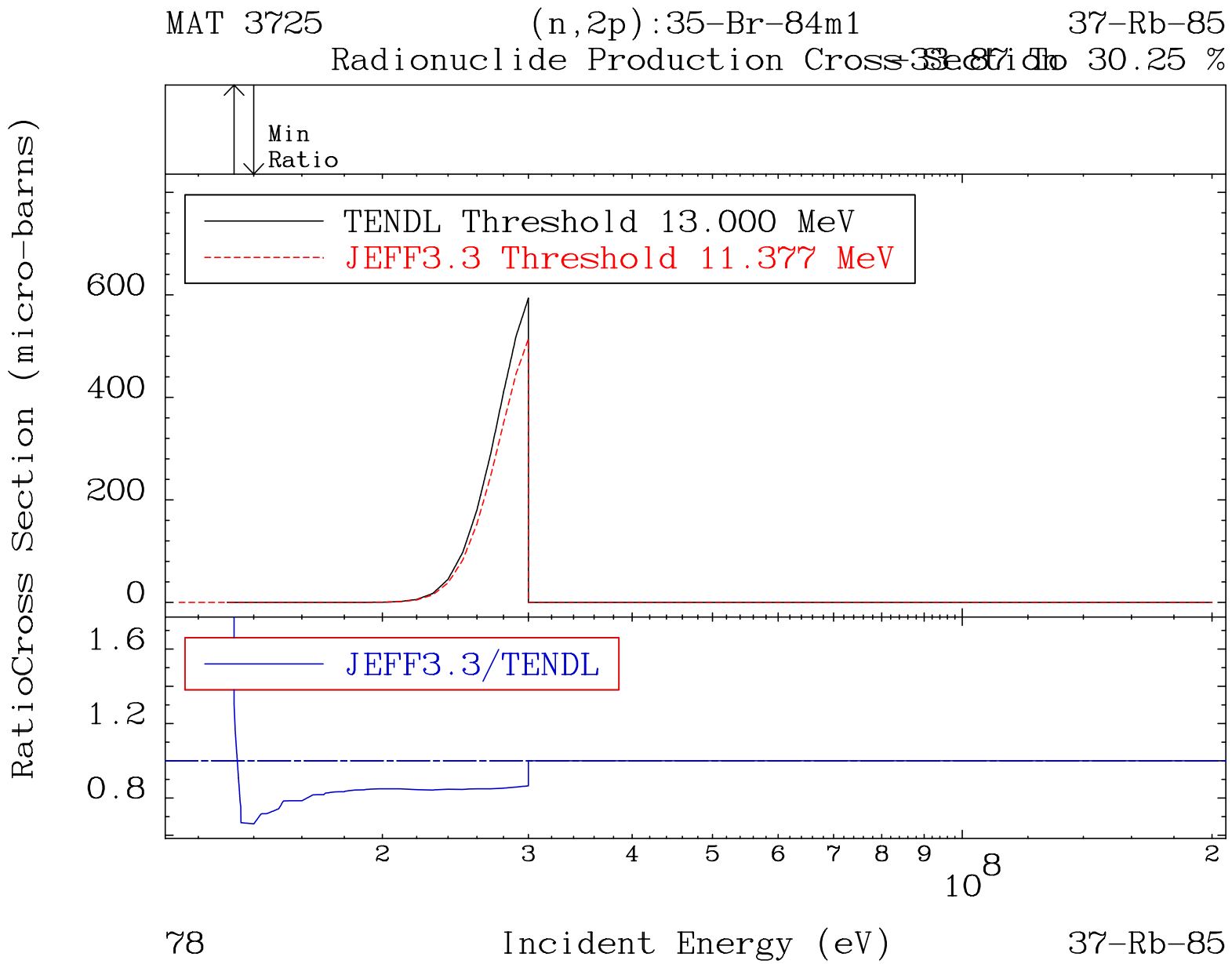

MAT 3725
(n,2n) p:36-Kr-83g
37-Rb-85
Radionuclide Production Cross Section To 723.9 %
Max
Ratio
160
120
80
40
0
TENDL Threshold 17.745 MeV
JEFF3.3 Threshold 17.779 MeV
12
8
4
0
JEFF3.3/TENDL
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
73
Incident Energy (eV)
37-Rb-85

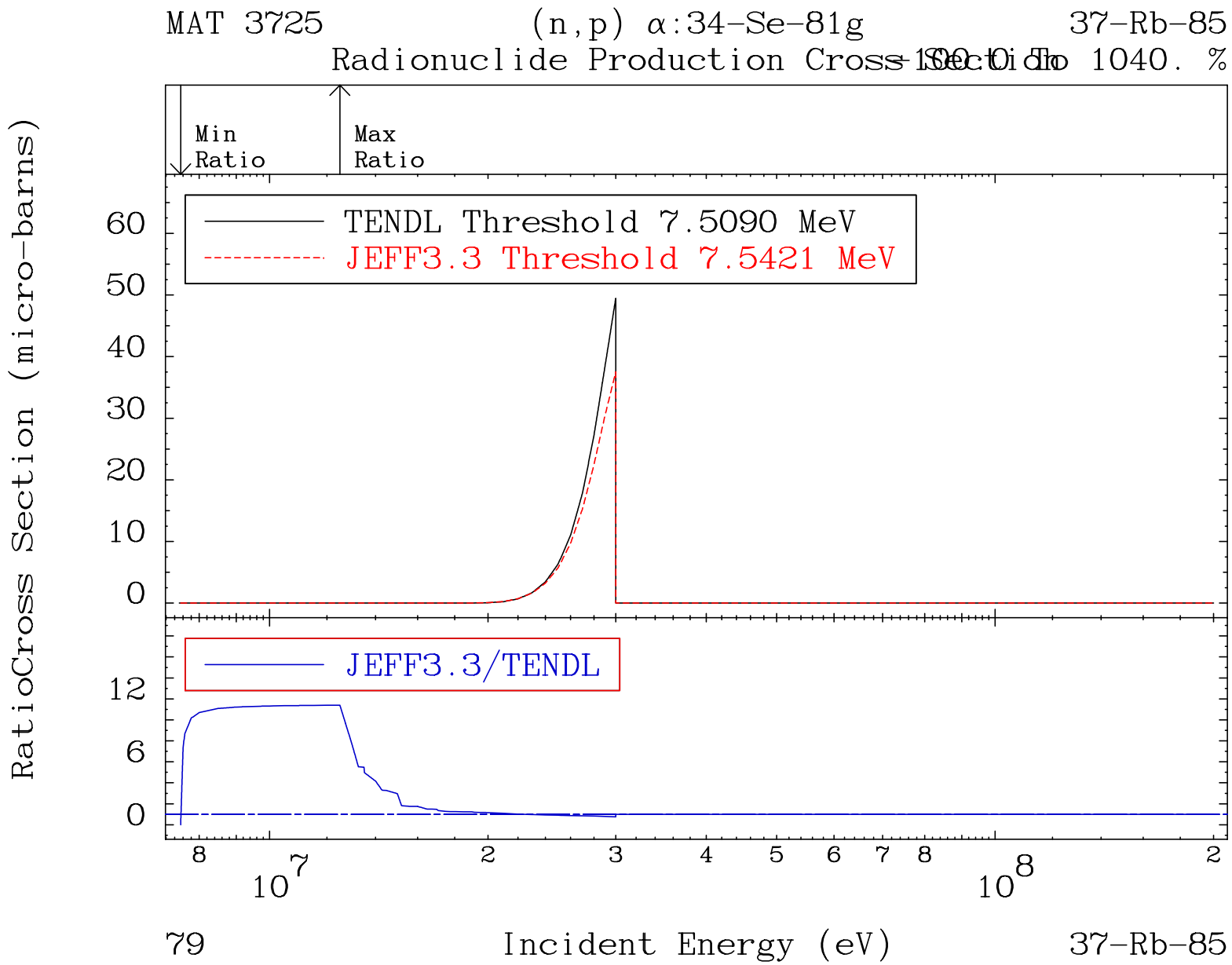

MAT 3725
(n,2n) p:36-Kr-83m2
37-Rb-85
Radionuclide Production Cross Section To 735.0 %
Max
Ratio
TENDL Threshold 17.787 MeV
JEFF3.3 Threshold 17.821 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
12
8
4
0
2
3
4
5
6
7
8
9
2
10^8
74
Incident Energy (eV)
37-Rb-85

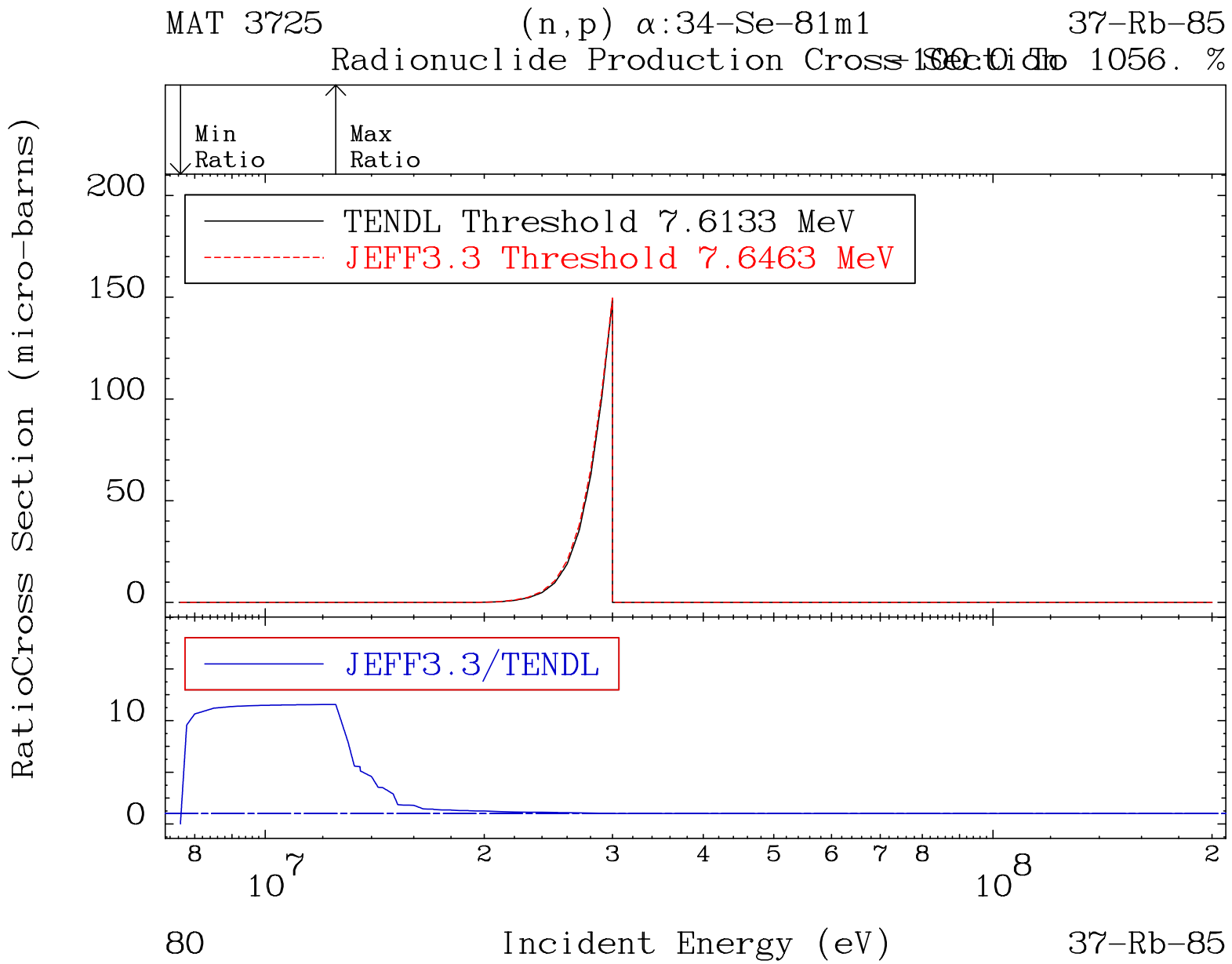

MAT 3725
(n,t):36-Kr-83g
37-Rb-85
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 9.1627 MeV
JEFF3.3 Threshold 9.1964 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
75
37-Rb-85

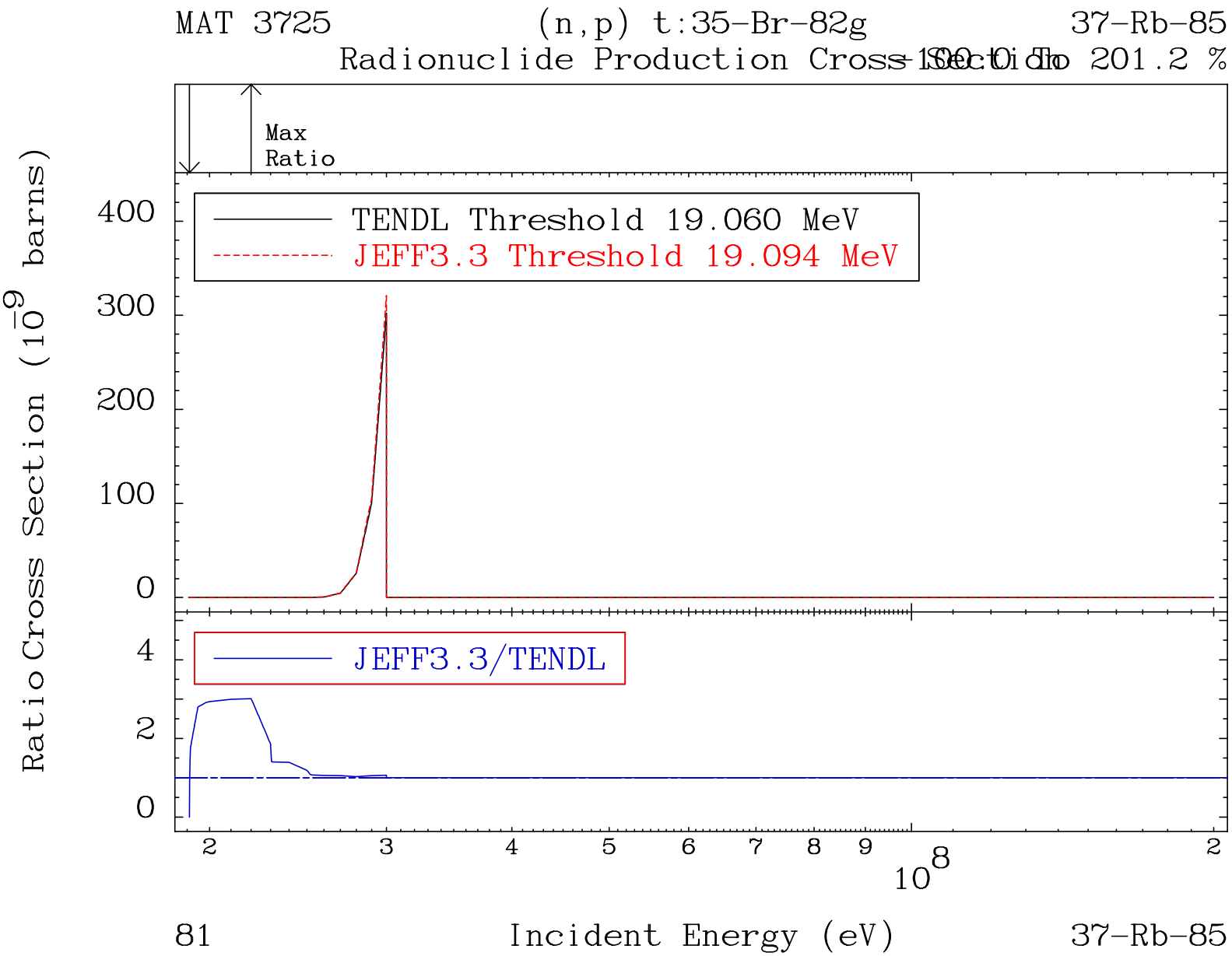

MAT 3725
(n,t):36-Kr-83m2
37-Rb-85
Radionuclide Production Cross Section To 78.18 %
Max
Ratio
TENDL Threshold 9.2048 MeV
JEFF3.3 Threshold 9.2385 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
76
Incident Energy (eV)
37-Rb-85

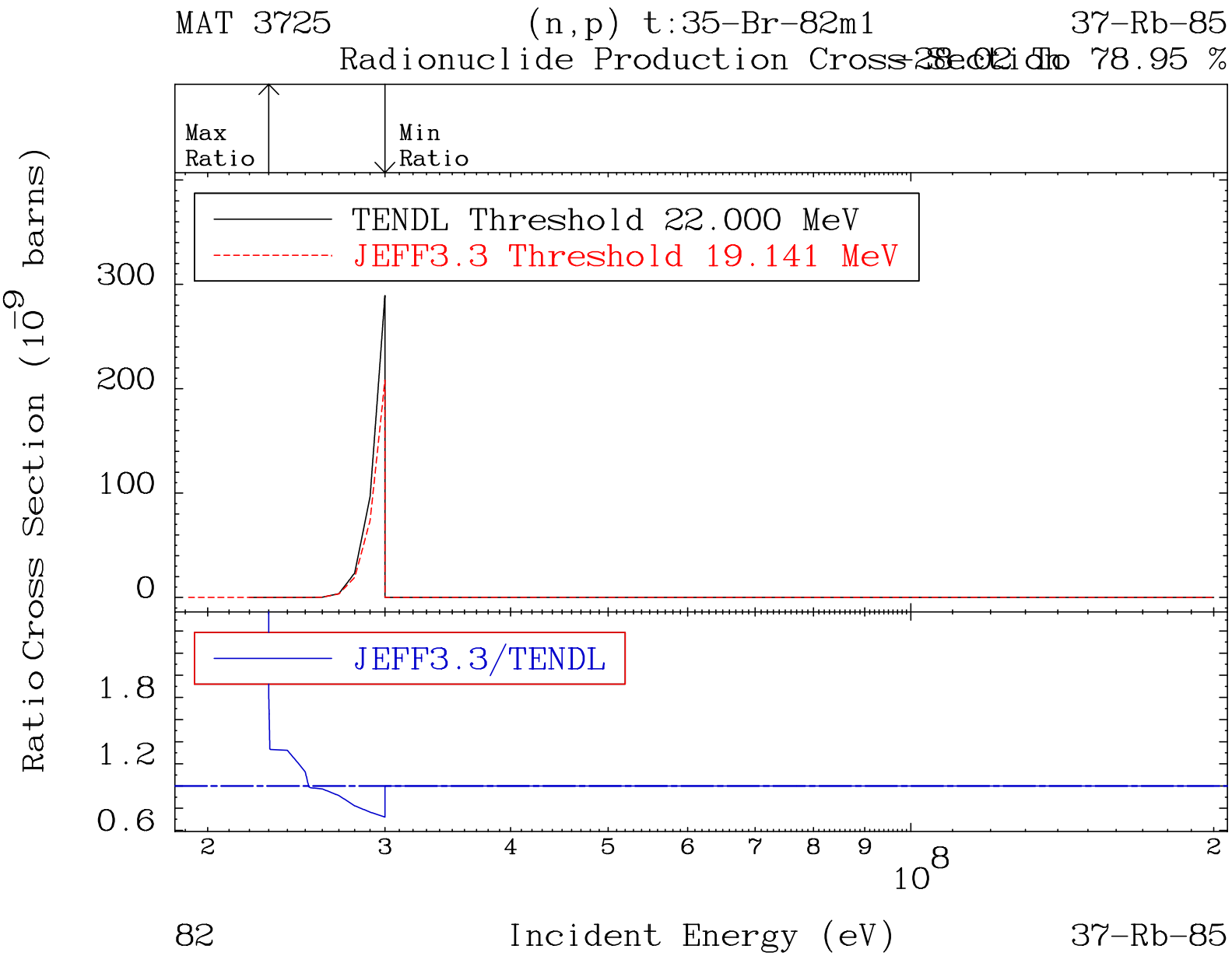

MAT 3725
(n,2p):35-Br-84g
37-Rb-85
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 11.020 MeV
JEFF3.3 Threshold 11.053 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
350
300
250
200
150
100
50
0
0.8
0.4
0.0
2
3
4
5
6
7
8
9
2
10^8
77
Incident Energy (eV)
37-Rb-85


MAT 3725
(n,2p):35-Br-84m1
37-Rb-85
Radionuclide Production Cross Section To 30.25 %
Min
Ratio
TENDL Threshold 13.000 MeV
JEFF3.3 Threshold 11.377 MeV
600
400
200
0
1.6
1.2
0.8
JEFF3.3/TENDL
2
3
4
5
6
7
8
9
2
10^8
RatioCross Section (micro-barns)
78
Incident Energy (eV)
37-Rb-85


MAT 3725
(n,p) α:34-Se-81g
37-Rb-85
Radionuclide Production Cross Section To 1040. %
Min Ratio
Max Ratio
TENDL Threshold 7.5090 MeV
JEFF3.3 Threshold 7.5421 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
60
50
40
30
20
10
0
12
6
0
8
2
3
4
5
6
7
8
2
10^7
10^8
79
Incident Energy (eV)
37-Rb-85


MAT 3725
(n,p) α:34-Se-81m1
37-Rb-85
Radionuclide Production Cross Section To 1056. %
Min Ratio
Max Ratio
TENDL Threshold 7.6133 MeV
JEFF3.3 Threshold 7.6463 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
200
150
100
50
0
10
0
8
10^7
2
3
4
5
6
7
8
10^8
2
80
Incident Energy (eV)
37-Rb-85


MAT 3725
(n,p) t:35-Br-82g
37-Rb-85
Radionuclide Production Cross Section To 201.2 %
Max
Ratio
TENDL Threshold 19.060 MeV
JEFF3.3 Threshold 19.094 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
400
300
200
100
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
37-Rb-85


MAT 3725
(n,p) t:35-Br-82m1
37-Rb-85
Radionuclide Production Cross Section To 78.95 %
Max Ratio
Min Ratio
TENDL Threshold 22.000 MeV
JEFF3.3 Threshold 19.141 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
300
200
100
0
1.8
1.2
0.6
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
37-Rb-85