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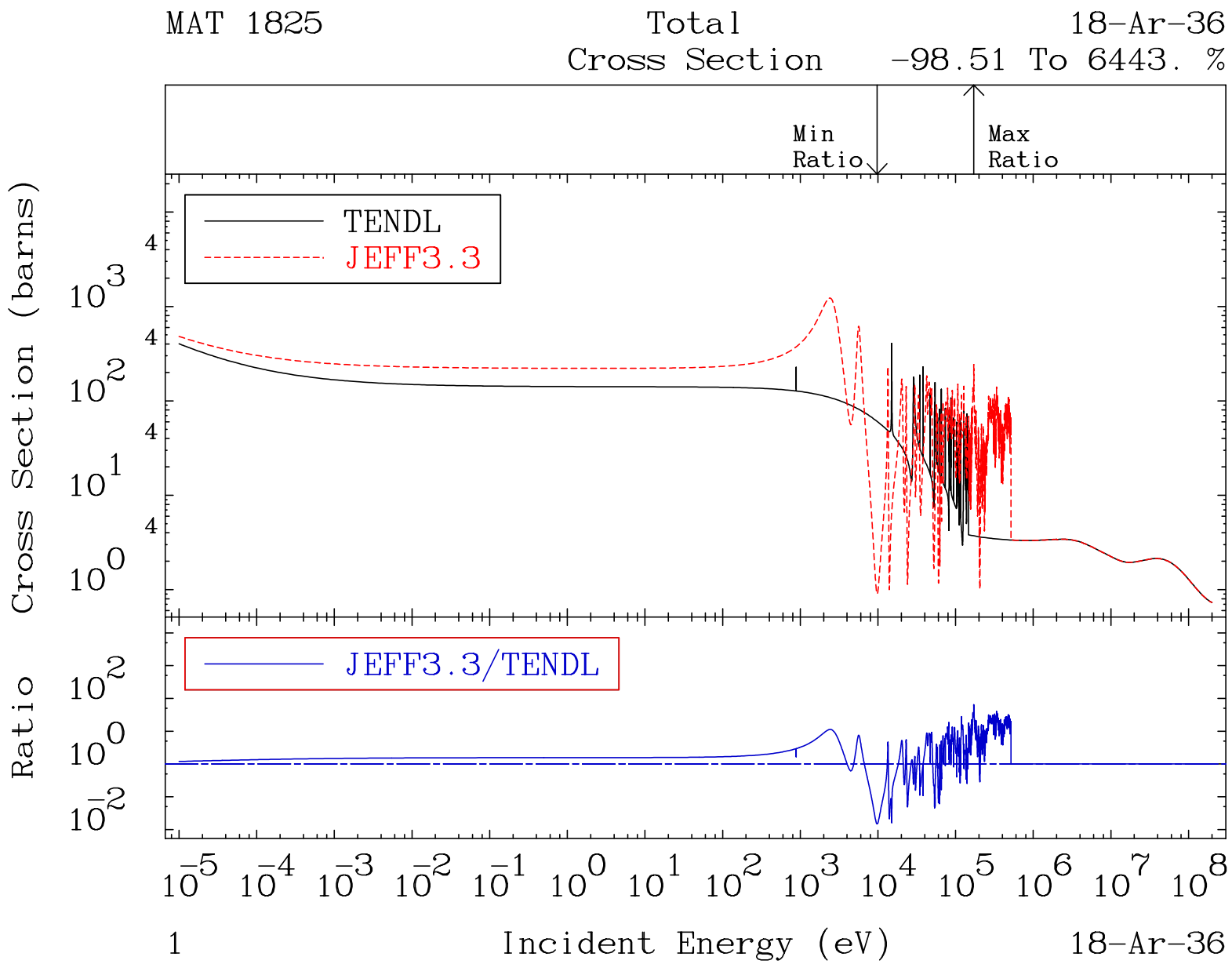
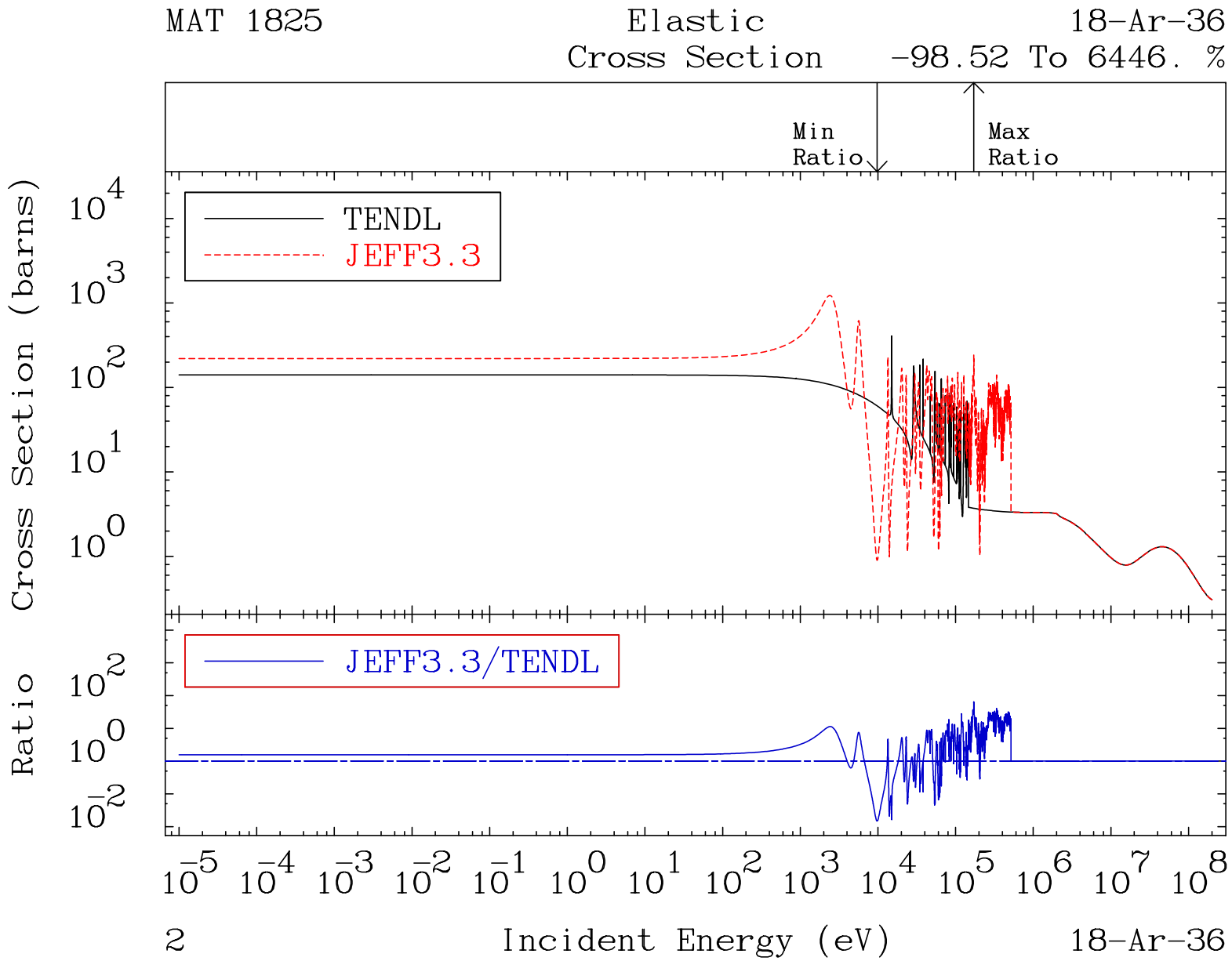
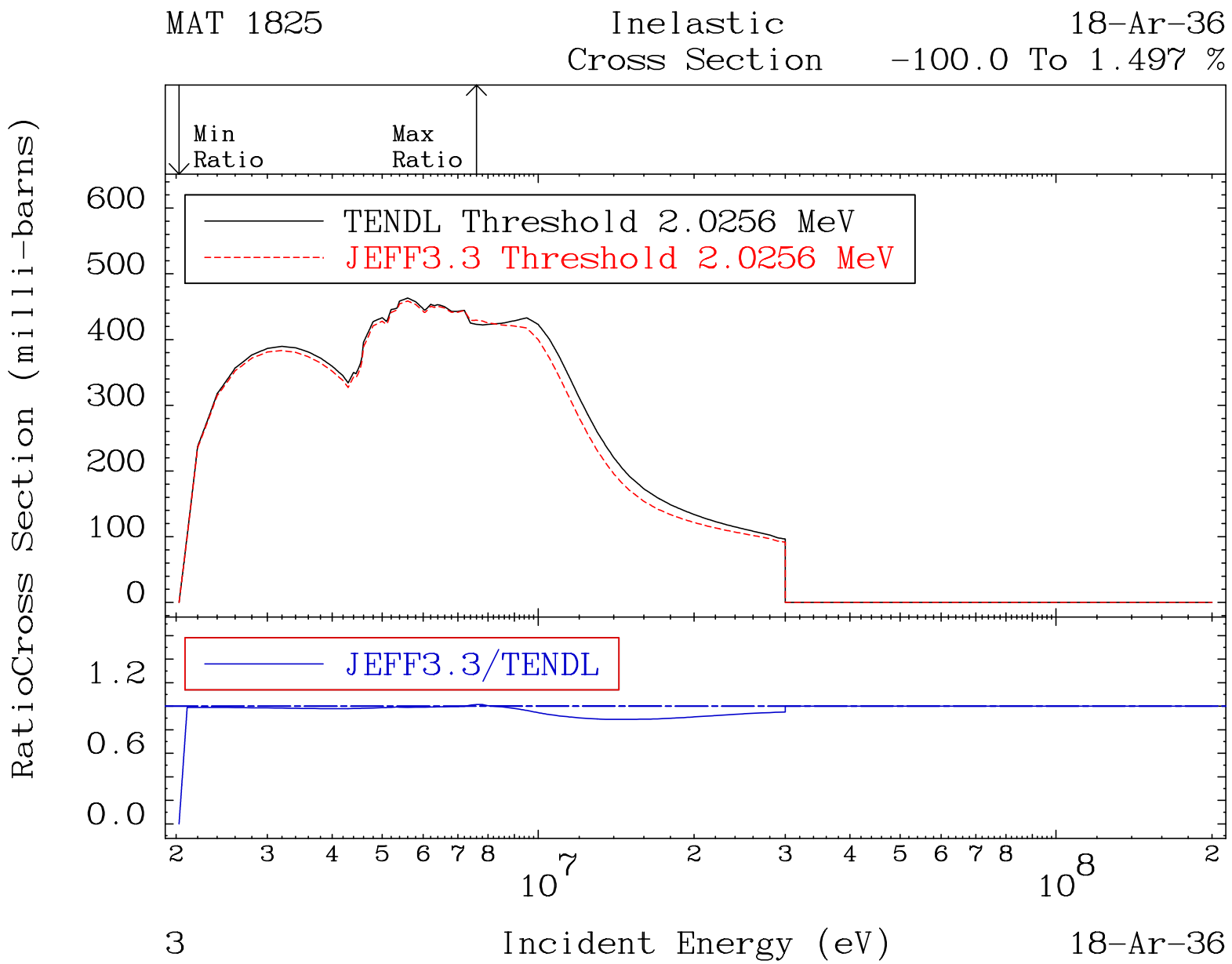
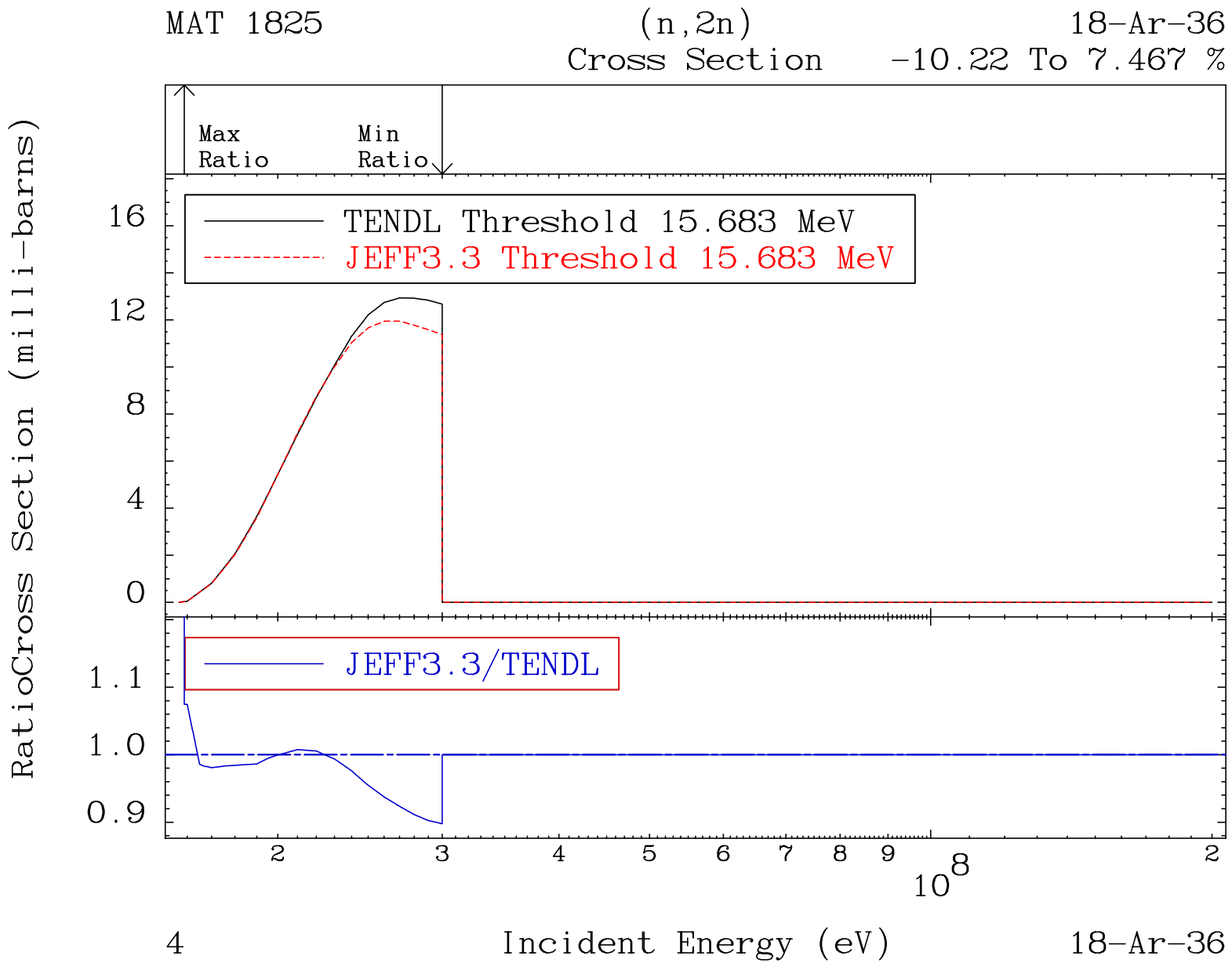
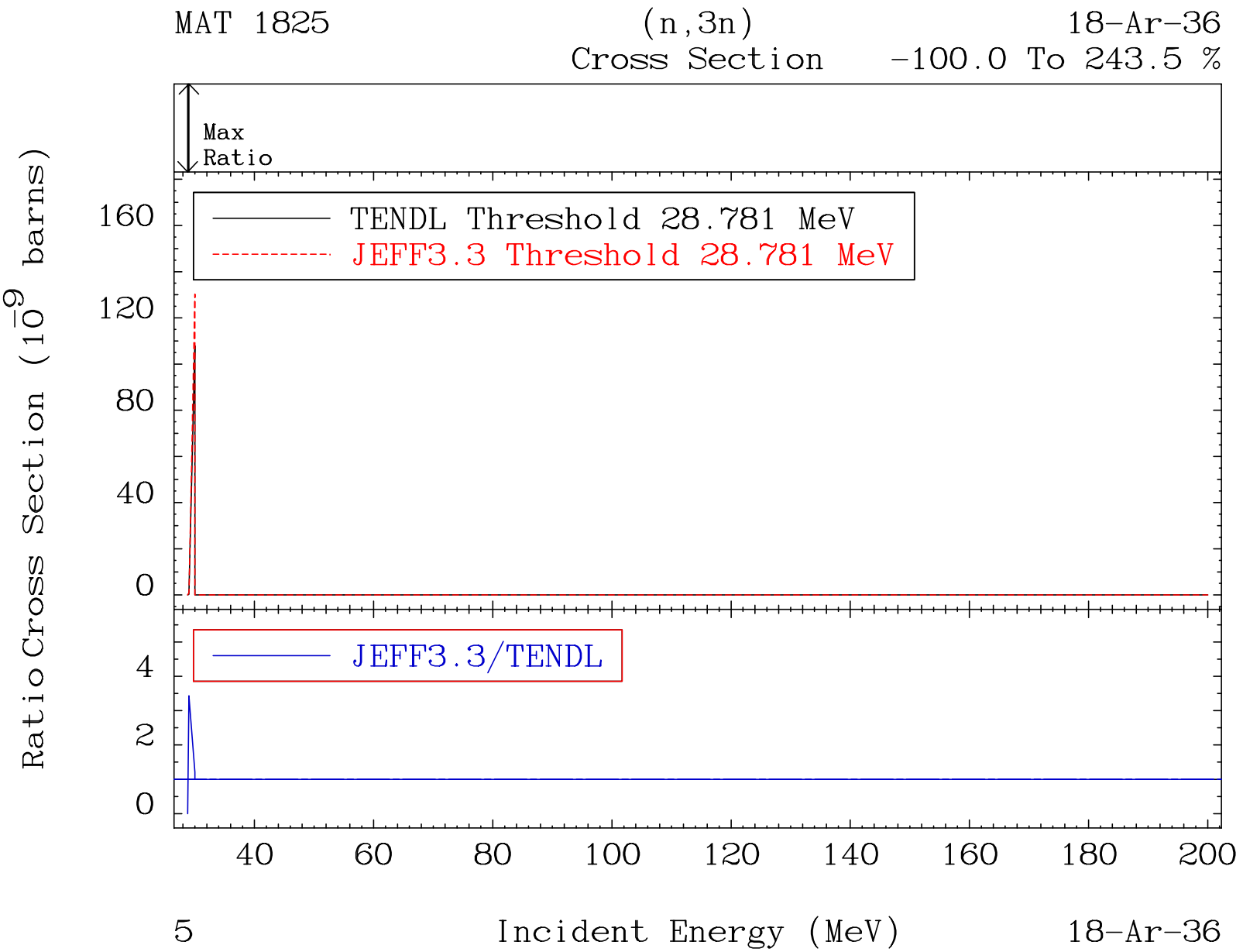
Press Mouse Button to Start

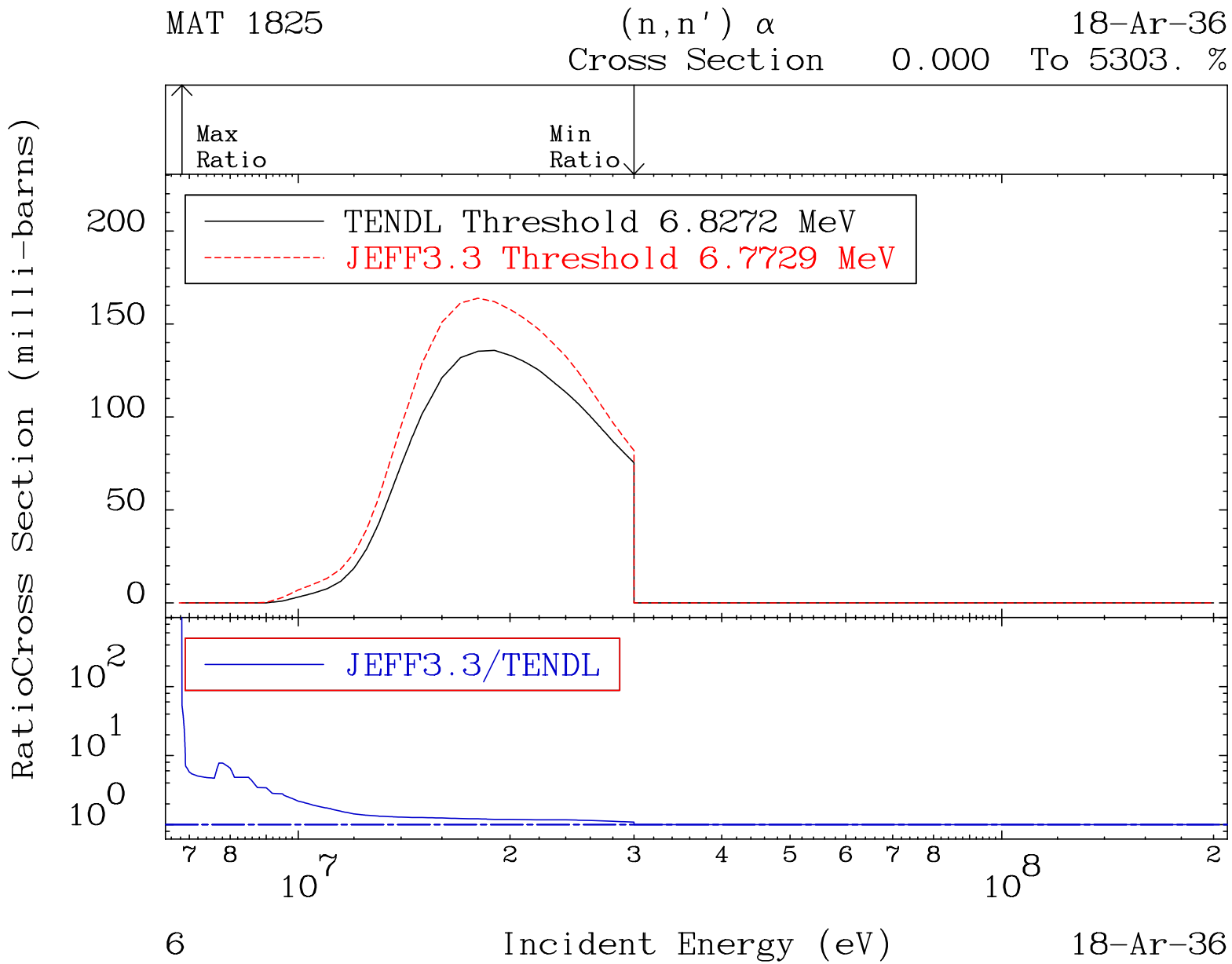

MAT 1825
Total
Cross Section
18-Ar-36
-98.51 To 6443. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
18-Ar-36

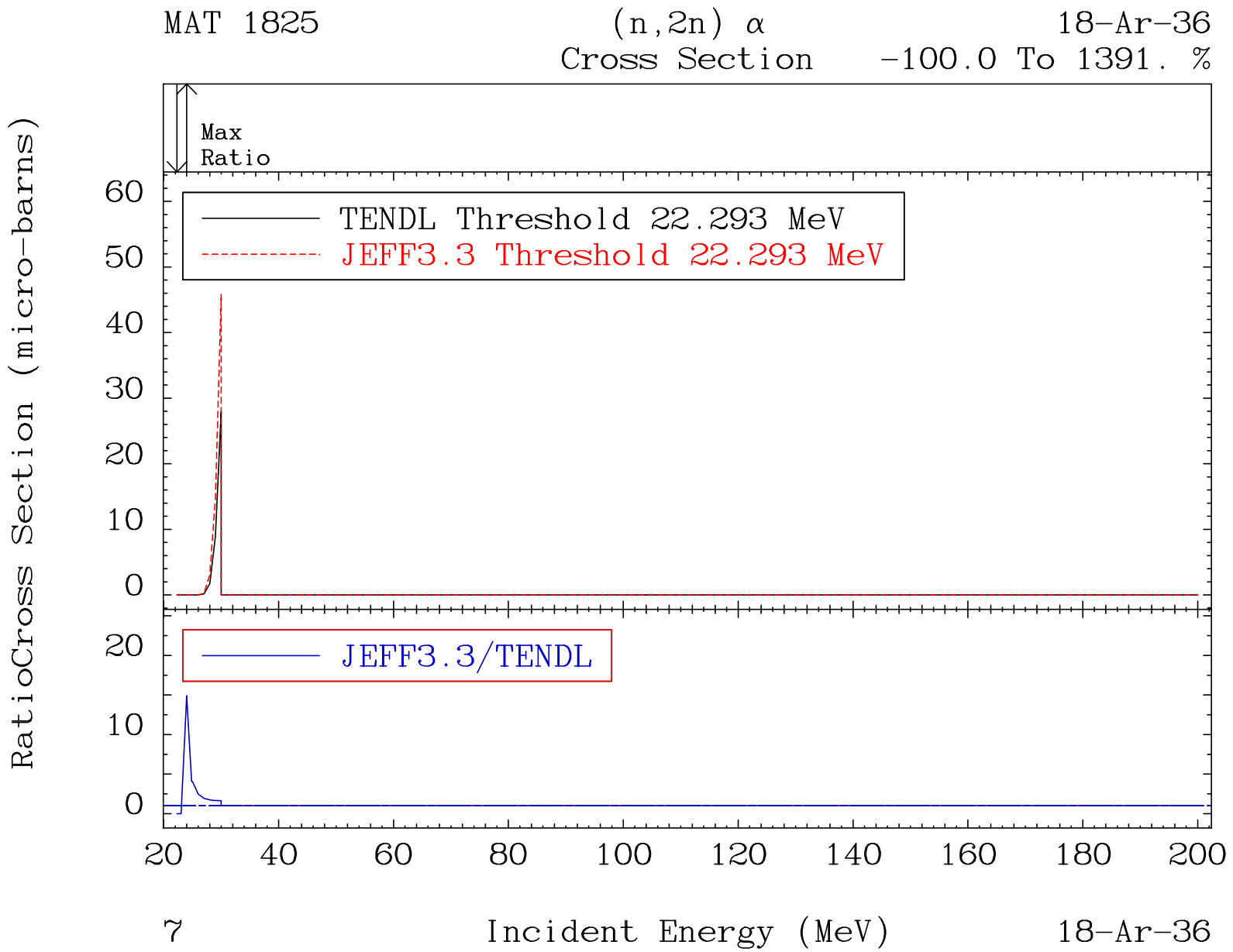

MAT 1825
Elastic
Cross Section
18-Ar-36
-98.52 To 6446. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
18-Ar-36

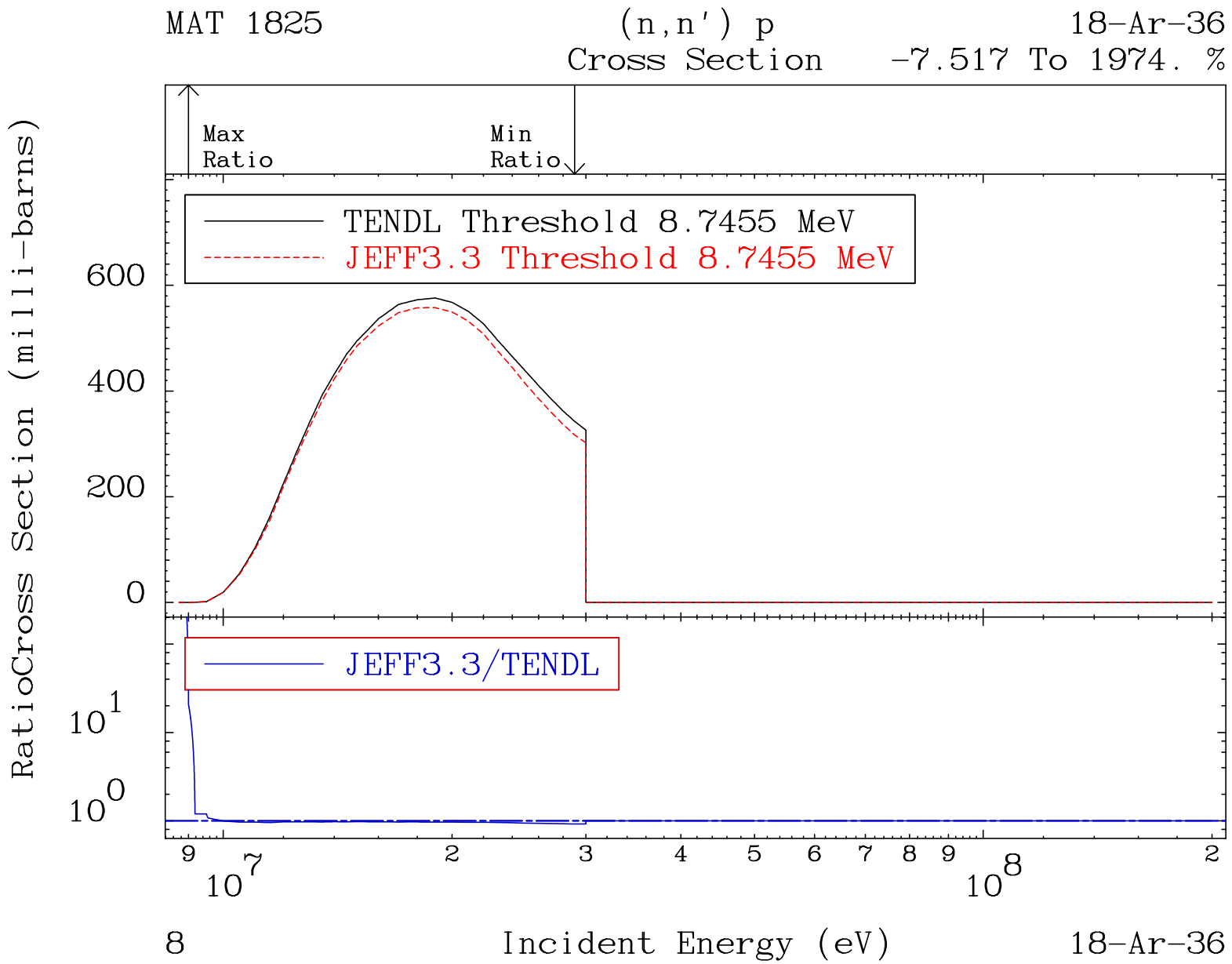

MAT 1825
Inelastic
Cross Section
18-Ar-36
-100.0 To 1.497 %
Min Ratio
Max Ratio
TENDL Threshold 2.0256 MeV
JEFF3.3 Threshold 2.0256 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
1.2
0.6
0.0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
3
Incident Energy (eV)
18-Ar-36

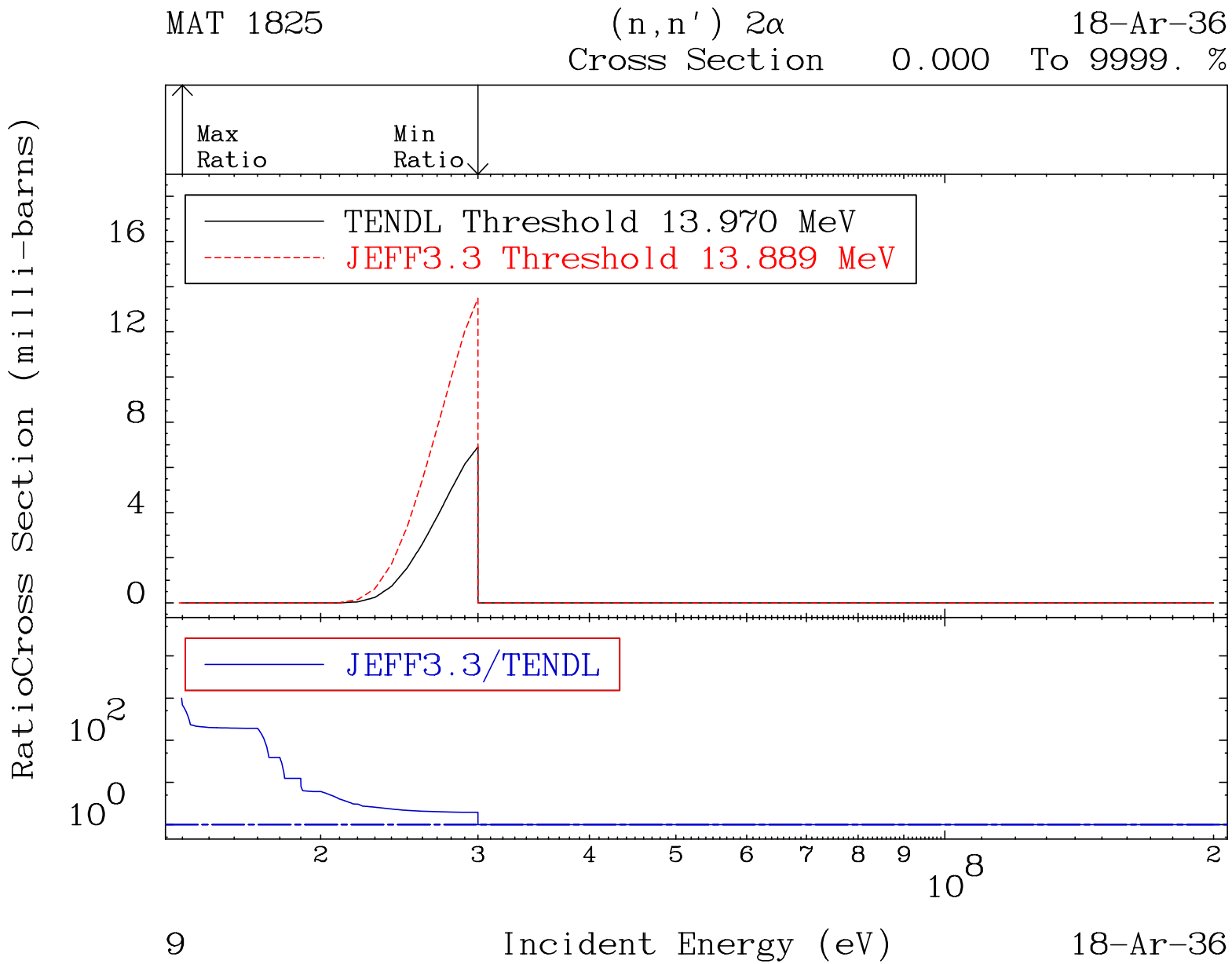

MAT 1825
(n,2n)
Cross Section
18-Ar-36
-10.22 To 7.467 %
Max Ratio
Min Ratio
TENDL Threshold 15.683 MeV
JEFF3.3 Threshold 15.683 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.1
1.0
0.9
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
18-Ar-36

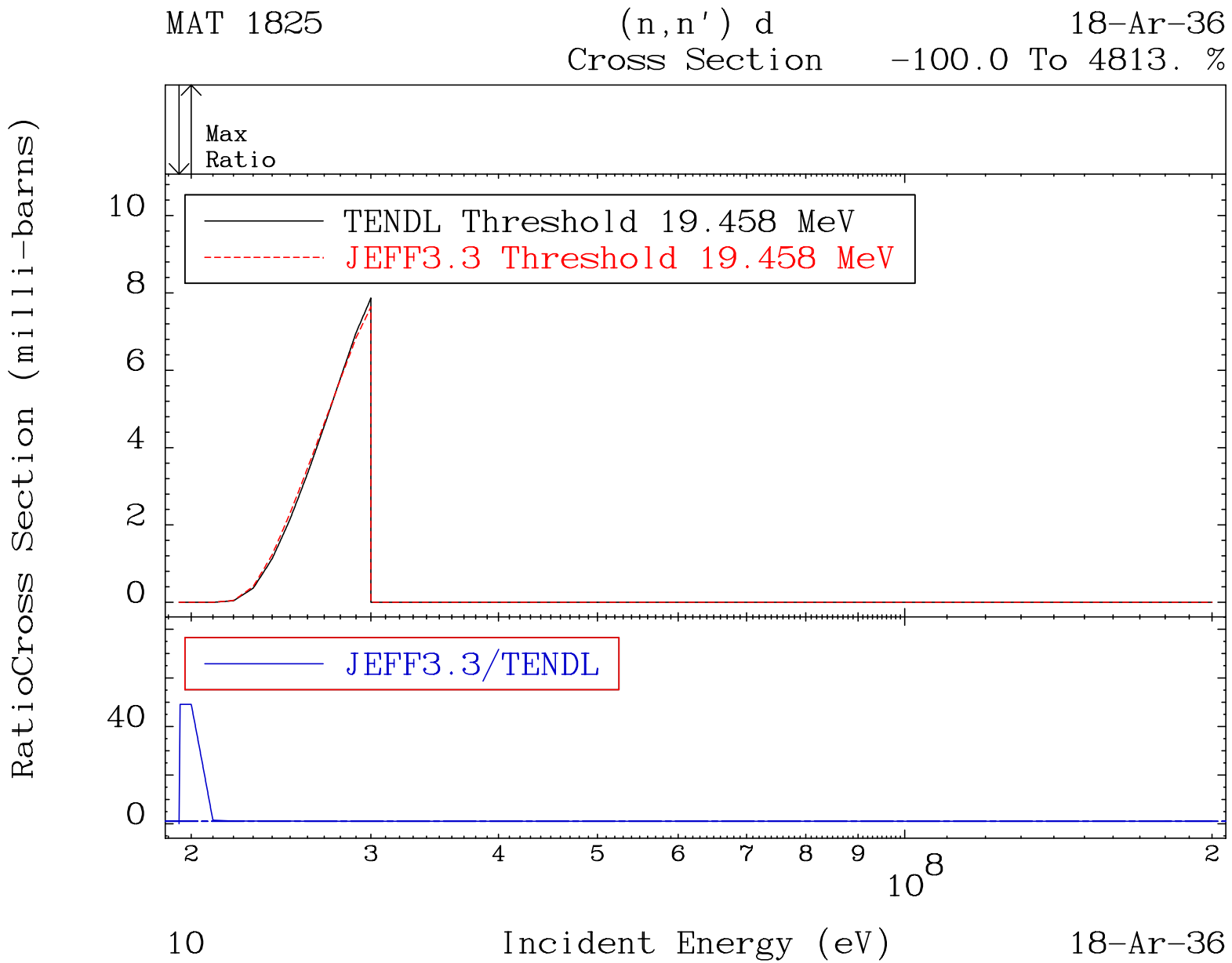

MAT 1825
(n,3n)
Cross Section
18-Ar-36
-100.0 To 243.5 %
Max
Ratio
TENDL Threshold 28.781 MeV
JEFF3.3 Threshold 28.781 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
160
120
80
40
0
4
2
0
40
60
80
100
120
140
160
180
200
5
Incident Energy (MeV)
18-Ar-36

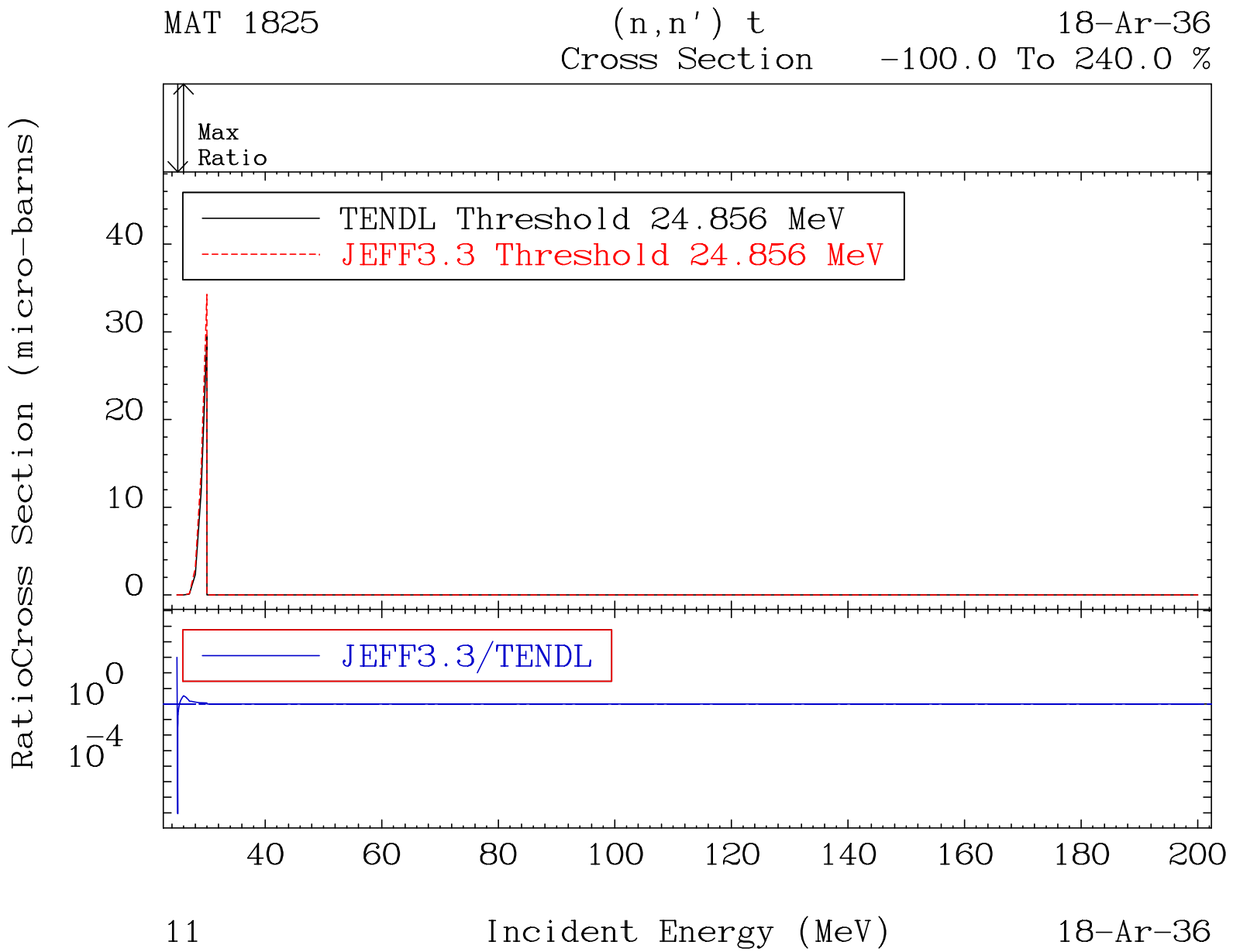

MAT 1825
(n,n') α
Cross Section
18-Ar-36
0.000 To 5303. %
Max Ratio
Min Ratio
TENDL Threshold 6.8272 MeV
JEFF3.3 Threshold 6.7729 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^2
10^1
10^0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
6
Incident Energy (eV)
18-Ar-36

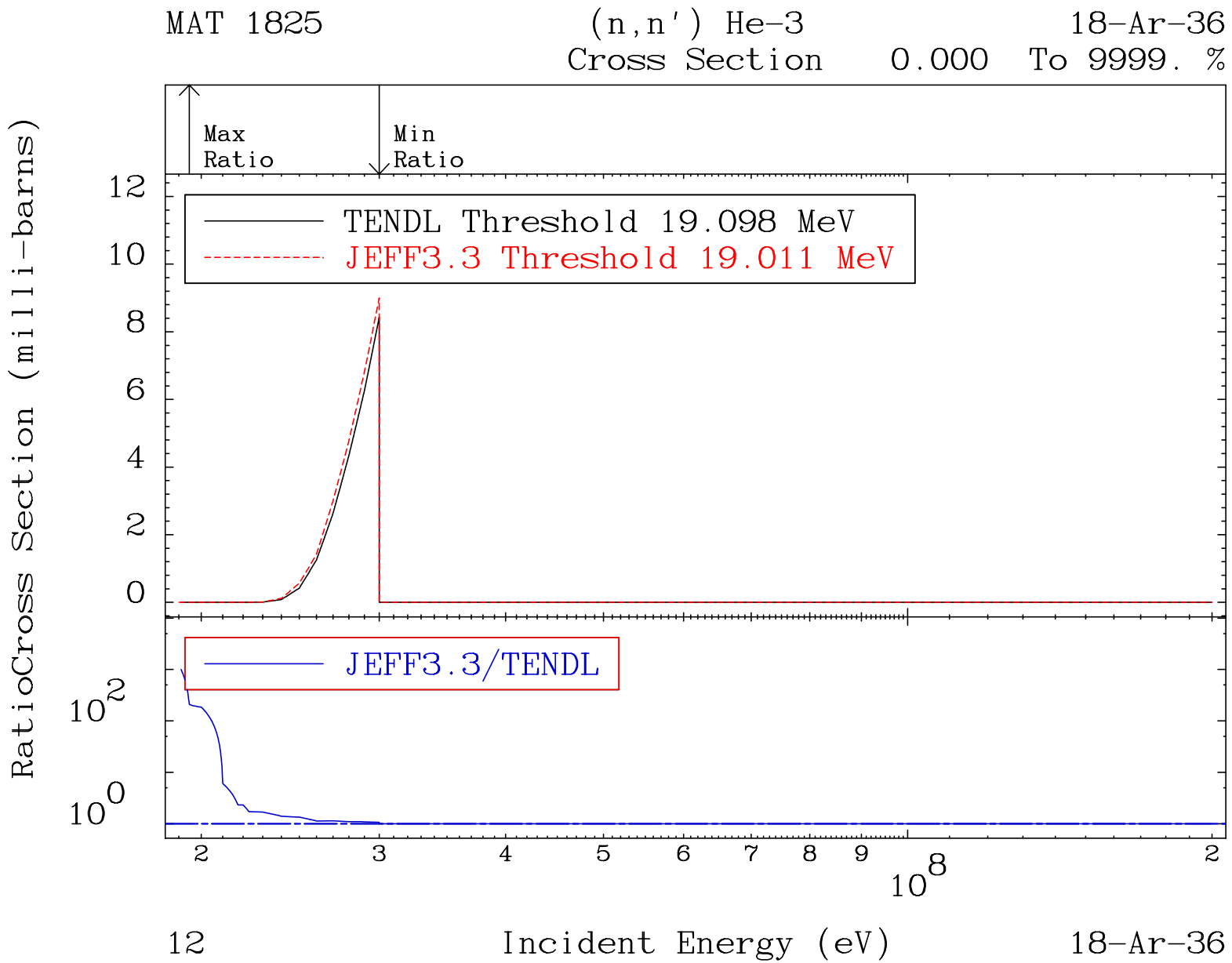

MAT 1825
(n,2n) α
Cross Section
18-Ar-36
-100.0 To 1391. %
Max
Ratio
TENDL Threshold 22.293 MeV
JEFF3.3 Threshold 22.293 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
60
50
40
30
20
10
0
20
10
0
20
40
60
80
100
120
140
160
180
200
7
Incident Energy (MeV)
18-Ar-36

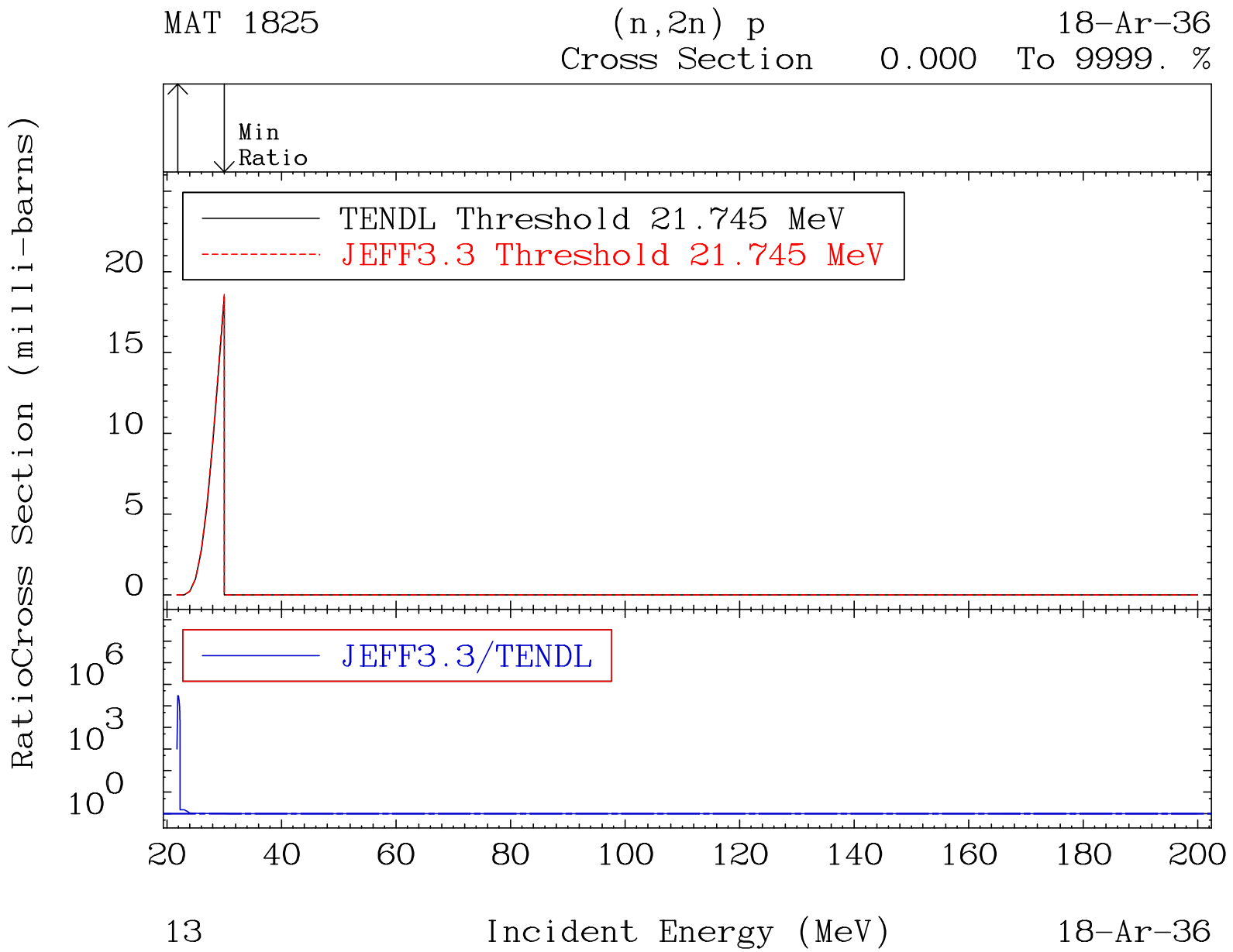

MAT 1825
(n,n') p
Cross Section
18-Ar-36
-7.517 To 1974. %
Max Ratio
Min Ratio
TENDL Threshold 8.7455 MeV
JEFF3.3 Threshold 8.7455 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
600
400
200
0
10^1
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
18-Ar-36

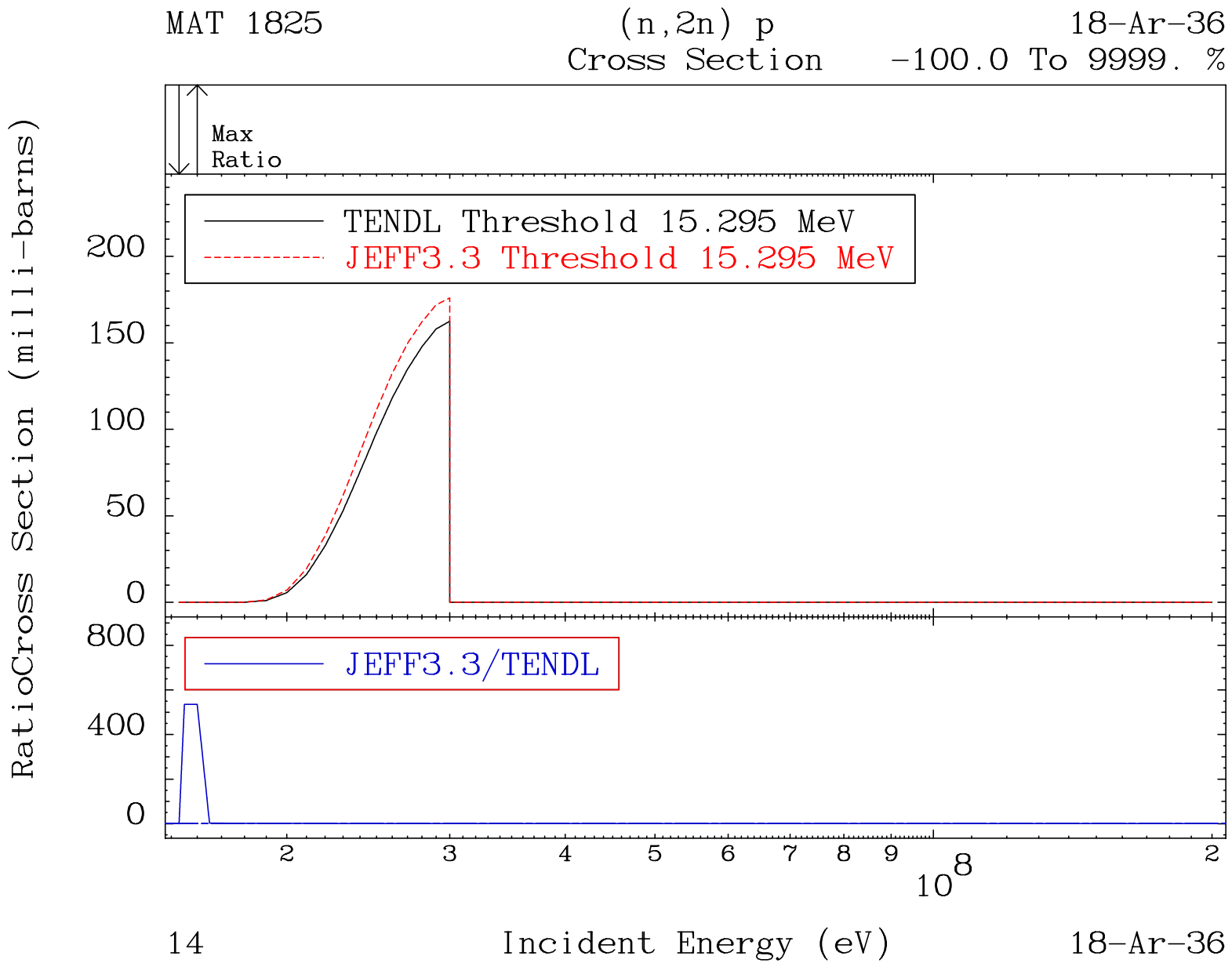

MAT 1825
(n,n') 2α
18-Ar-36
Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.970 MeV
JEFF3.3 Threshold 13.889 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
18-Ar-36

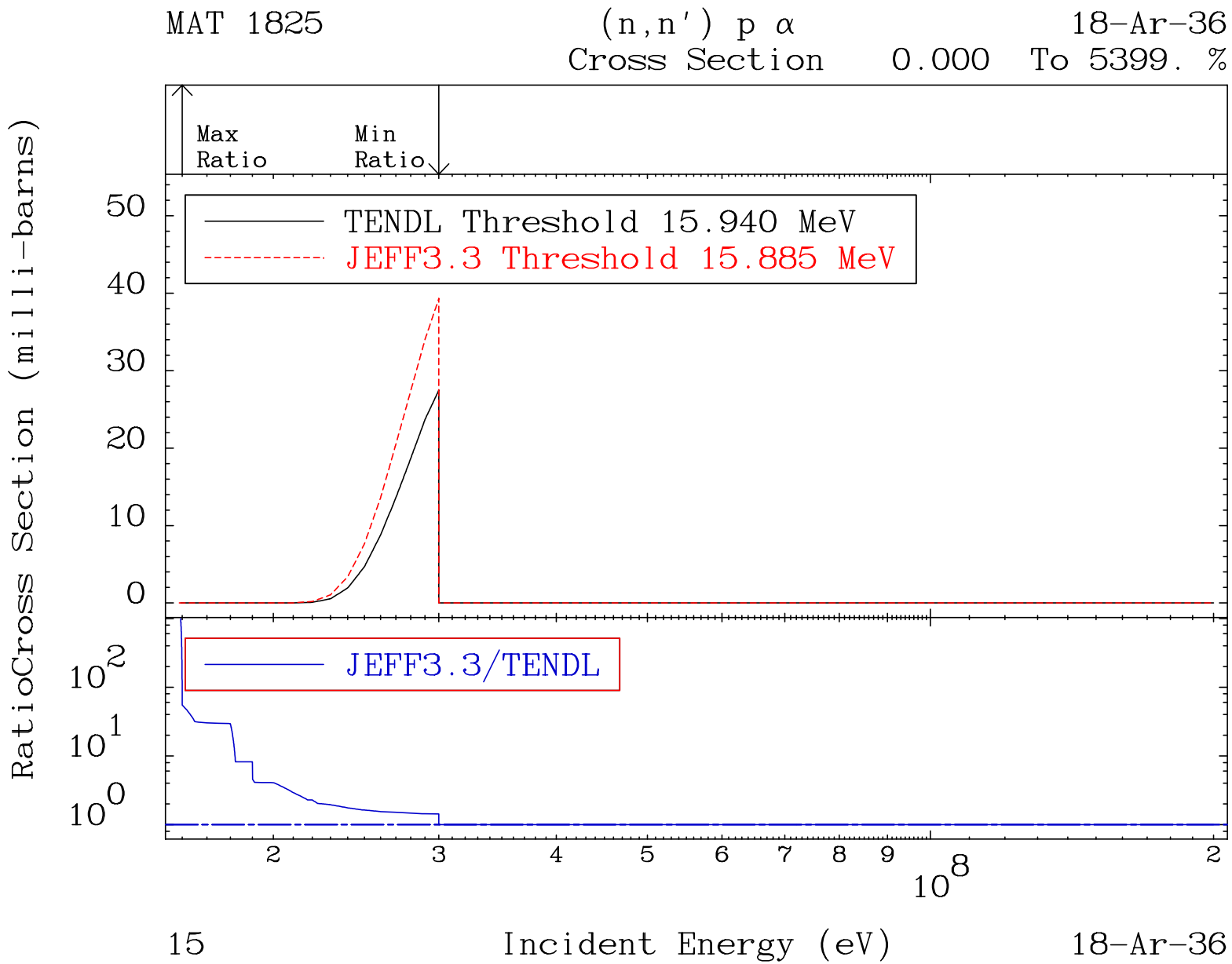

MAT 1825
(n,n') d
Cross Section
18-Ar-36
-100.0 To 4813. %
Max
Ratio
TENDL Threshold 19.458 MeV
JEFF3.3 Threshold 19.458 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
40
0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
18-Ar-36

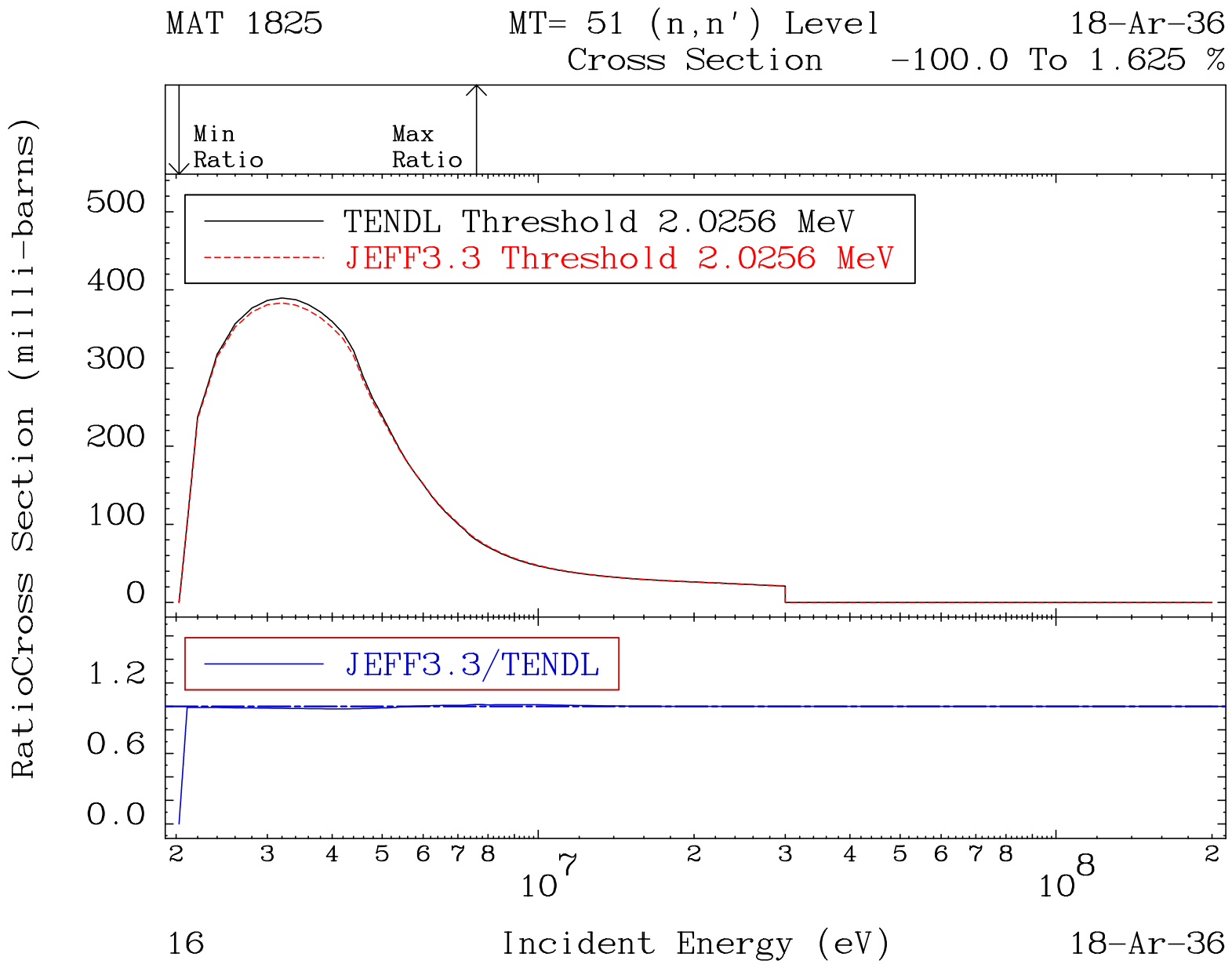

MAT 1825
(n,n') t
Cross Section
18-Ar-36
-100.0 To 240.0 %
Max
Ratio
TENDL Threshold 24.856 MeV
JEFF3.3 Threshold 24.856 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
40
30
20
10
0
10^0
10^-4
40
60
80
100
120
140
160
180
200
11
Incident Energy (MeV)
18-Ar-36

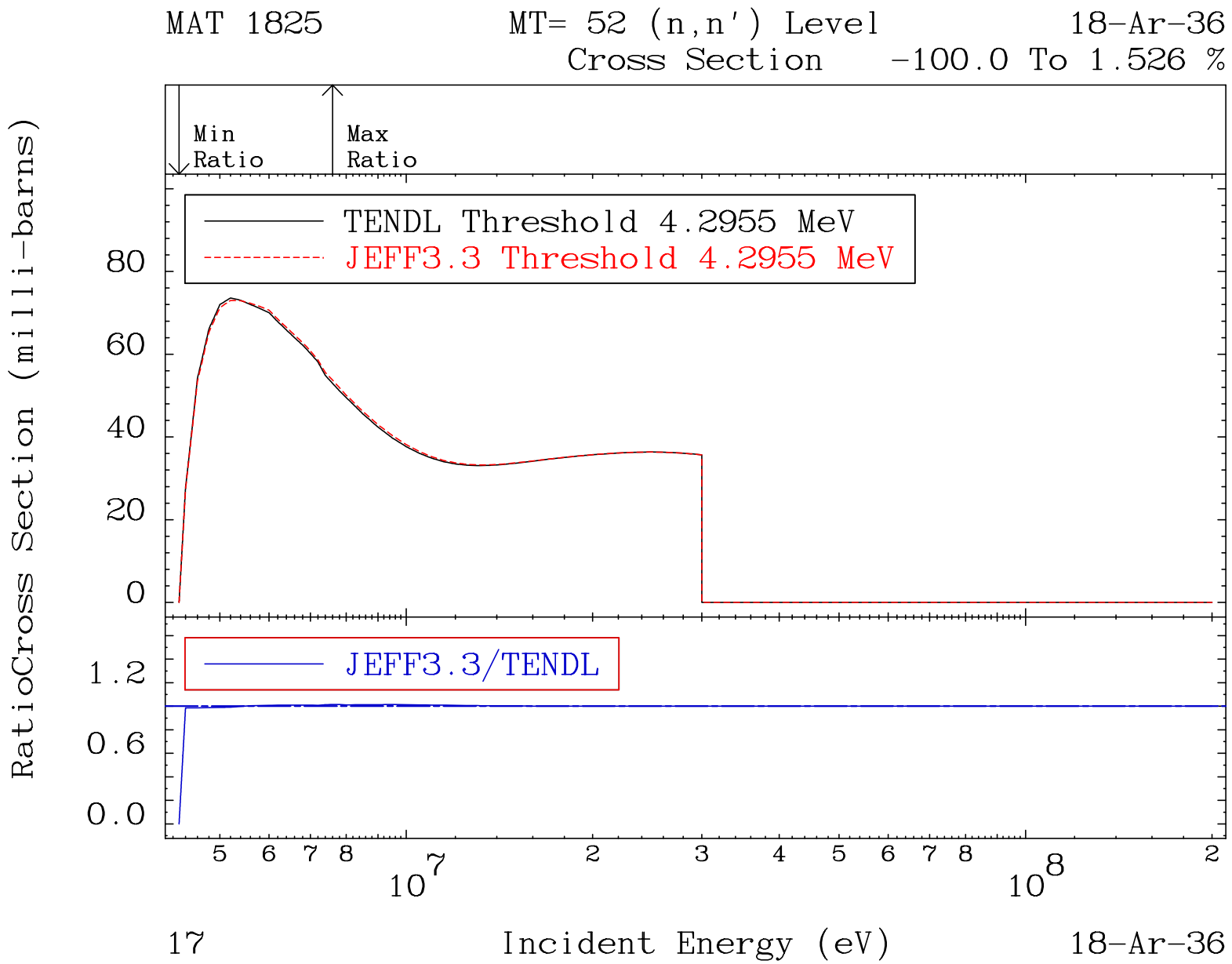

MAT 1825
(n,n') He-3
Cross Section
18-Ar-36
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 19.098 MeV
JEFF3.3 Threshold 19.011 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
12
18-Ar-36

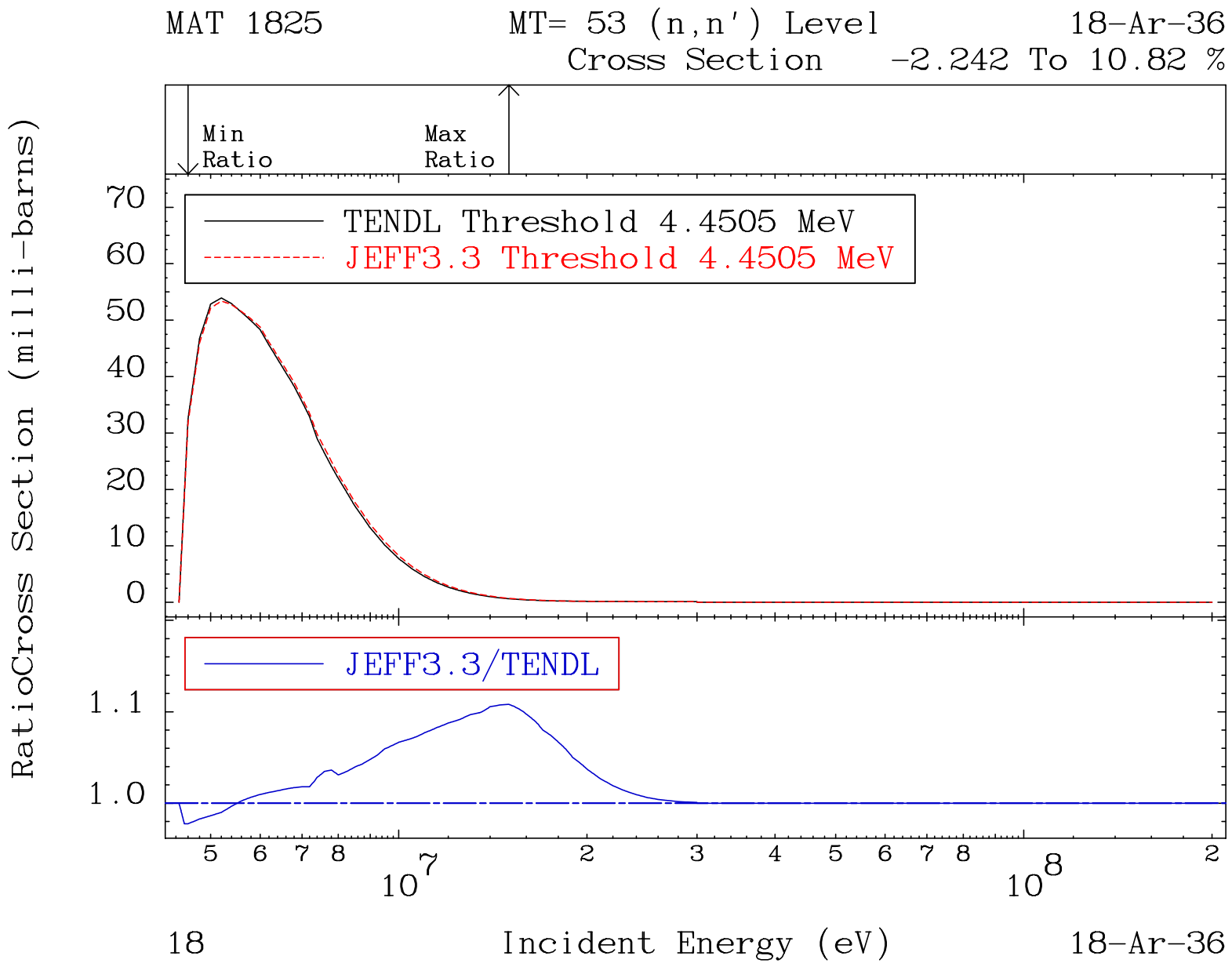

MAT 1825
(n,2n) p
18-Ar-36
Cross Section 0.000 To 9999. %
Min
Ratio
TENDL Threshold 21.745 MeV
JEFF3.3 Threshold 21.745 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
10^6
10^3
10^0
20
40
60
80
100
120
140
160
180
200
13
Incident Energy (MeV)
18-Ar-36

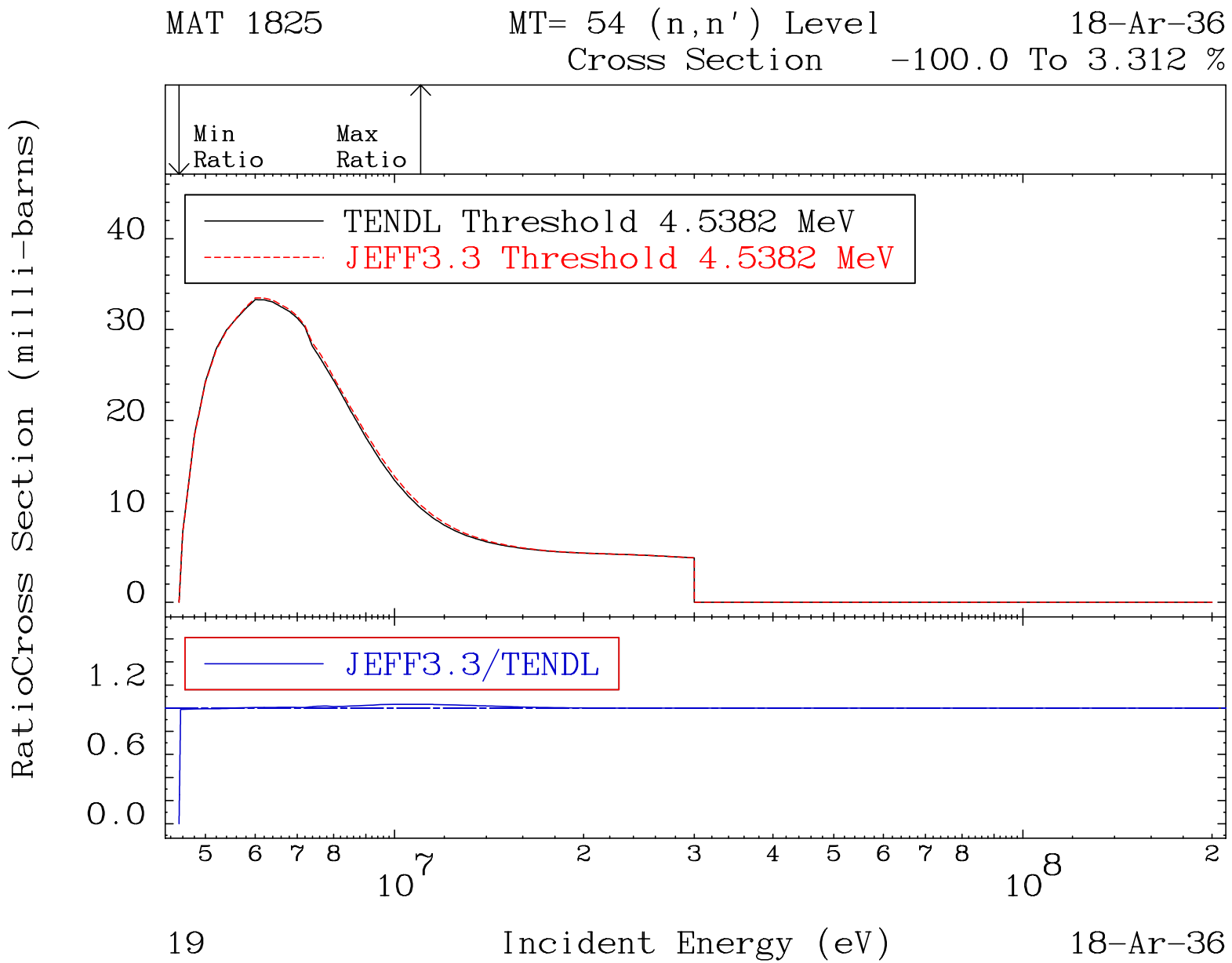

MAT 1825
(n,2n) p
Cross Section
18-Ar-36
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 15.295 MeV
JEFF3.3 Threshold 15.295 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
800
400
0
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
18-Ar-36

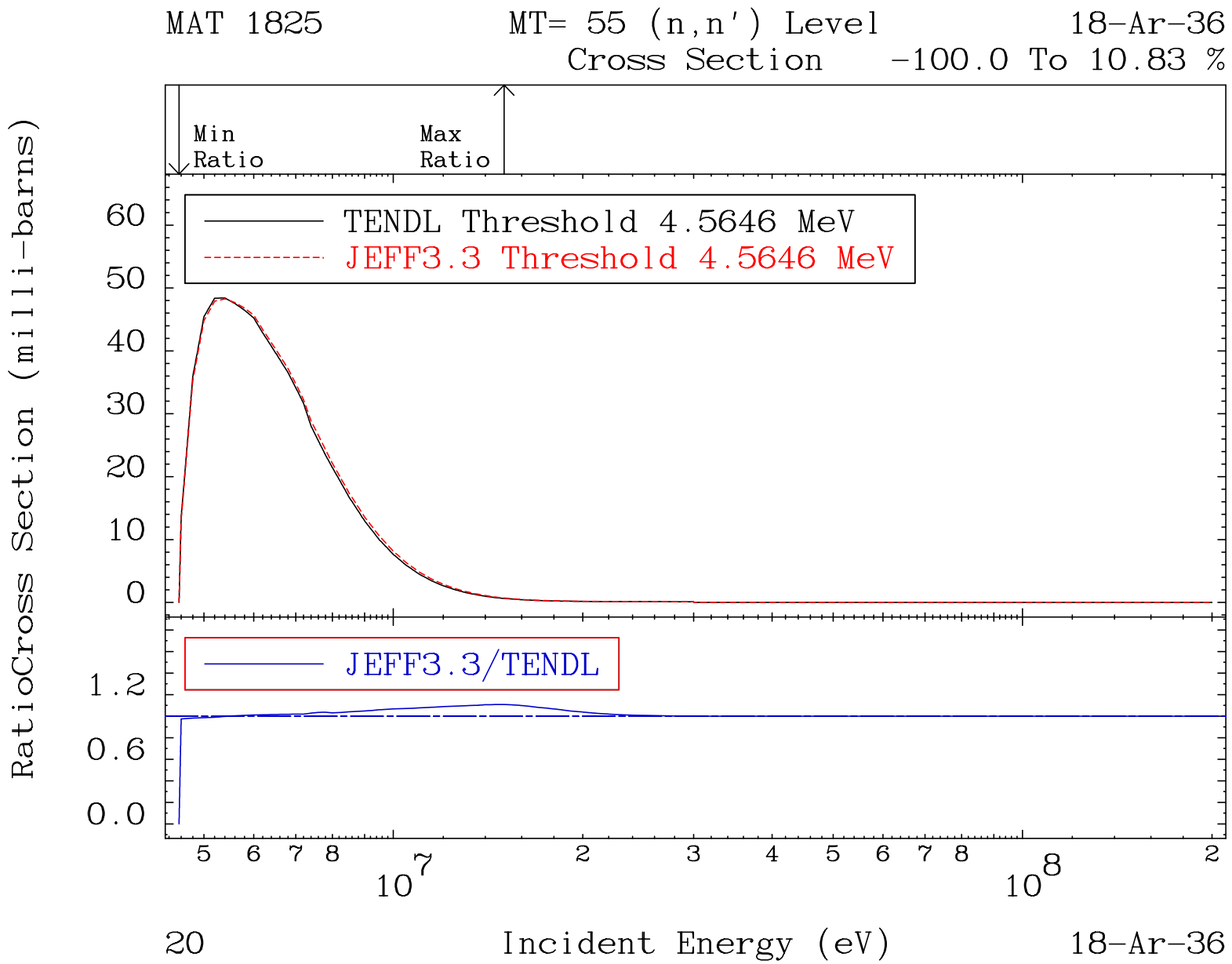

MAT 1825
(n,n') p α
18-Ar-36
Cross Section 0.000 To 5399. %
Max Ratio
Min Ratio
TENDL Threshold 15.940 MeV
JEFF3.3 Threshold 15.885 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
15
Incident Energy (eV)
18-Ar-36

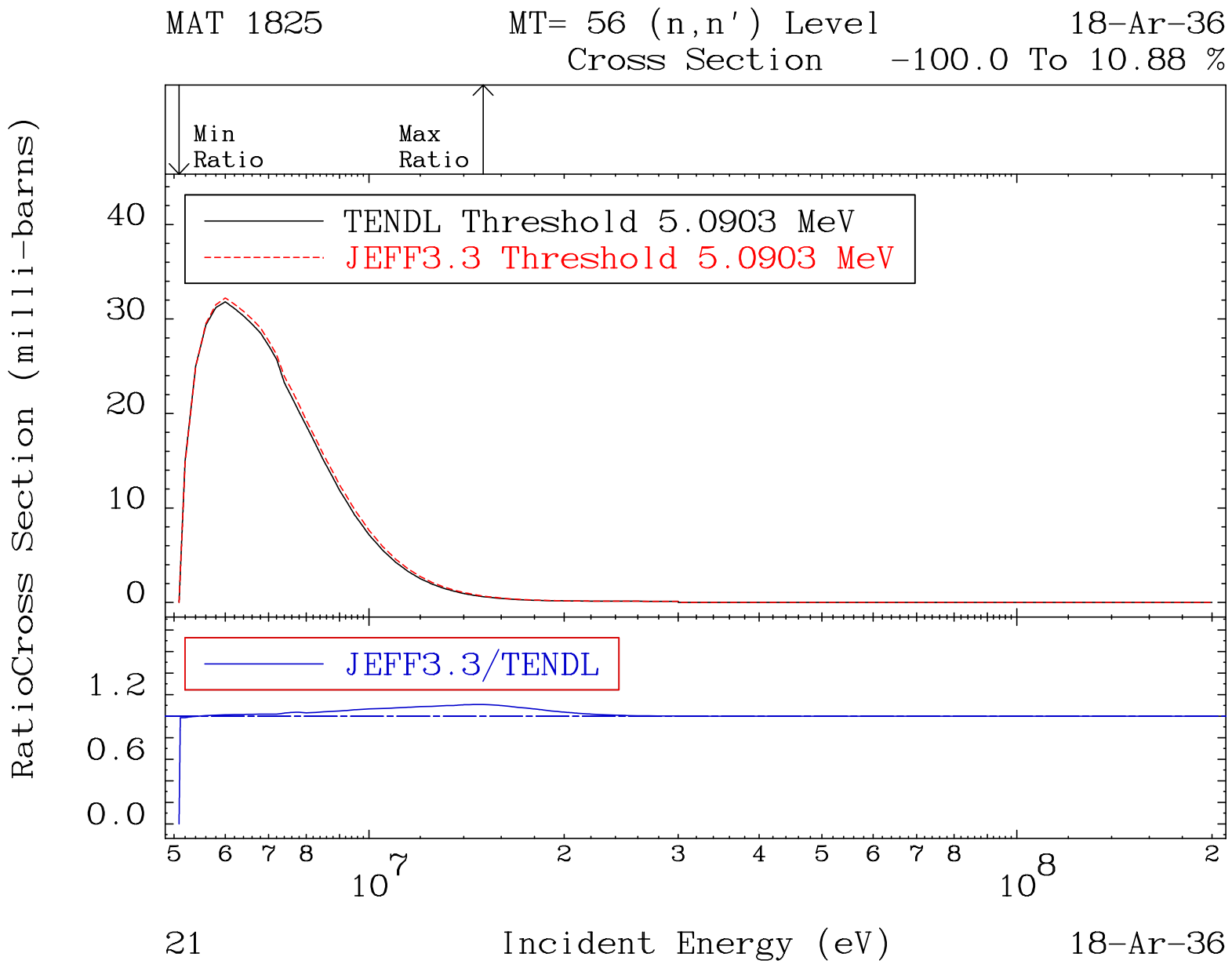

MAT 1825
MT= 51 (n,n') Level
18-Ar-36
Cross Section -100.0 To 1.625 %
Min Ratio
Max Ratio
TENDL Threshold 2.0256 MeV
JEFF3.3 Threshold 2.0256 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
18-Ar-36

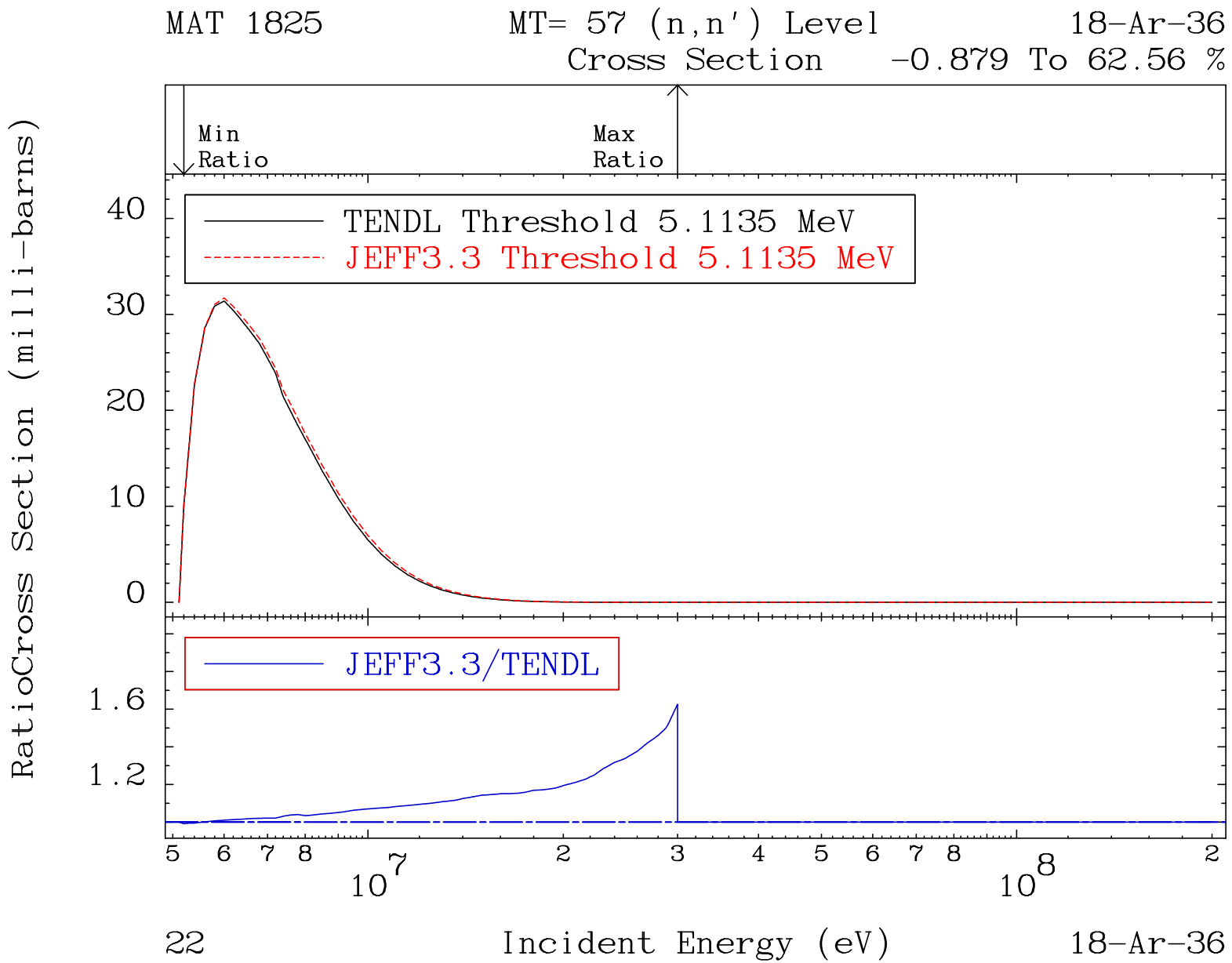

MAT 1825
MT= 52 (n,n') Level
18-Ar-36
Cross Section
-100.0 To 1.526 %
Min Ratio
Max Ratio
TENDL Threshold 4.2955 MeV
JEFF3.3 Threshold 4.2955 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
18-Ar-36

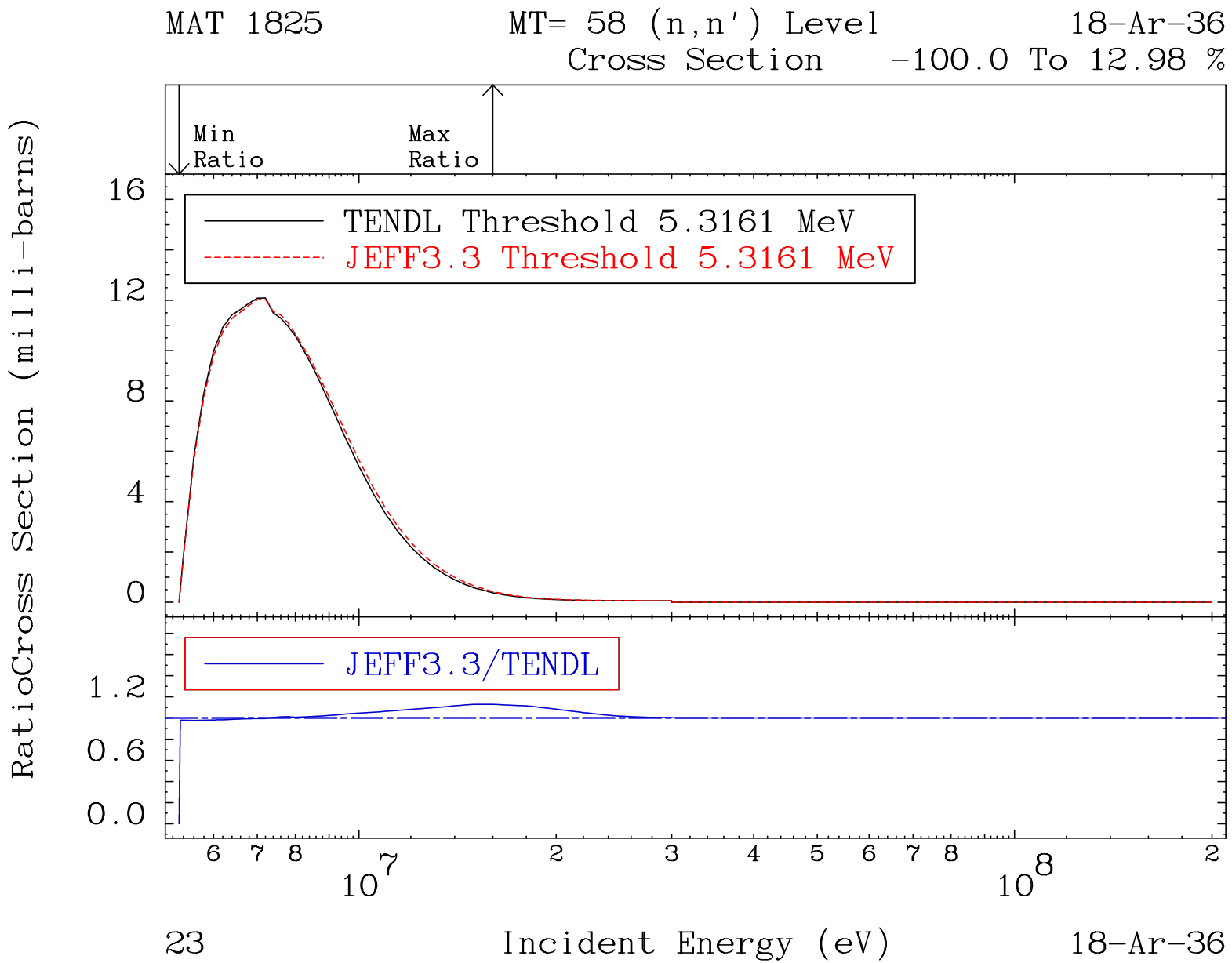

MAT 1825
MT= 53 (n,n') Level
18-Ar-36
Cross Section -2.242 To 10.82 %
Min Ratio
Max Ratio
TENDL Threshold 4.4505 MeV
JEFF3.3 Threshold 4.4505 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.1
1.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
18-Ar-36

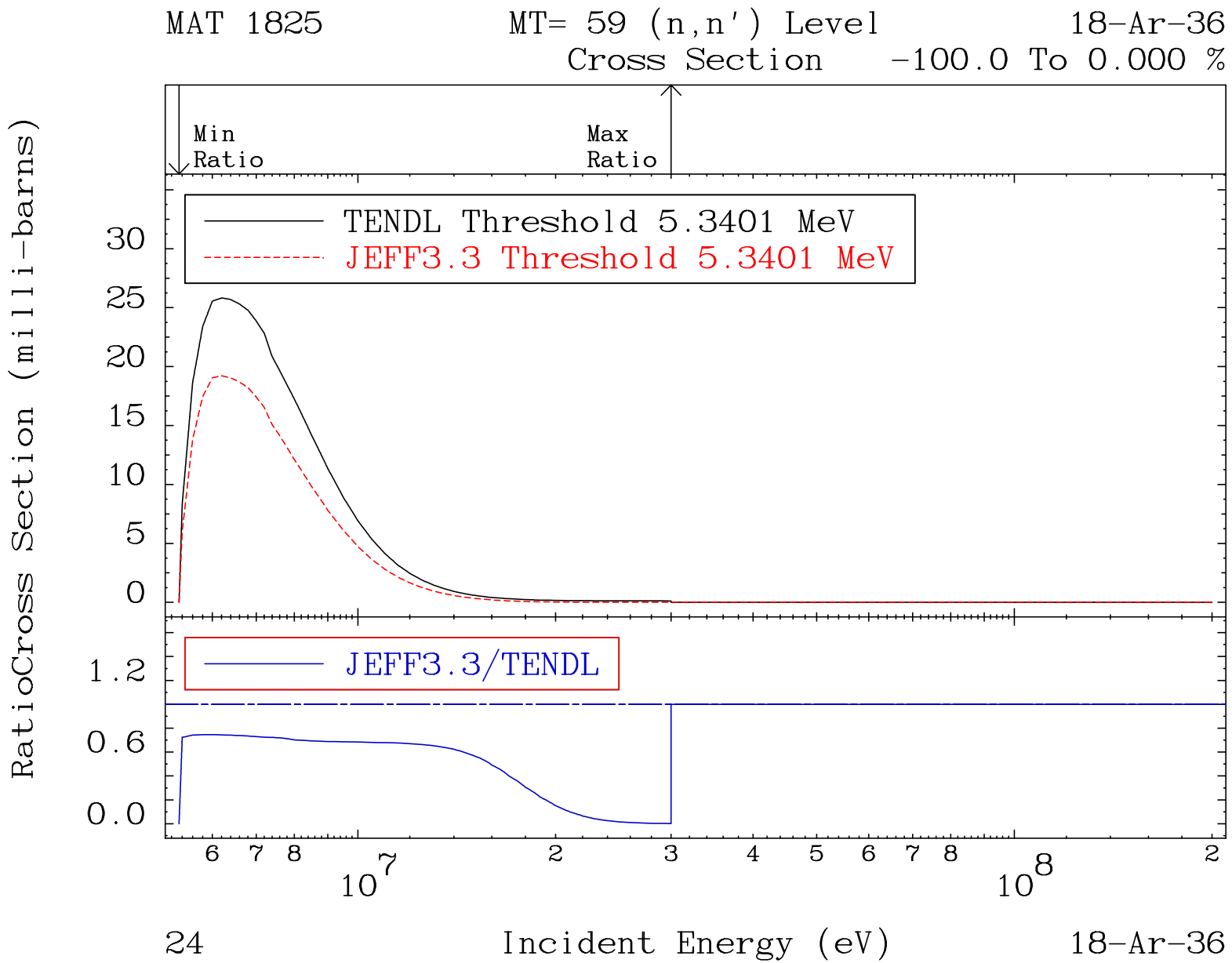

MAT 1825
MT= 54 (n,n') Level
18-Ar-36
Cross Section -100.0 To 3.312 %
Min Ratio
Max Ratio
TENDL Threshold 4.5382 MeV
JEFF3.3 Threshold 4.5382 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
19
Incident Energy (eV)
18-Ar-36

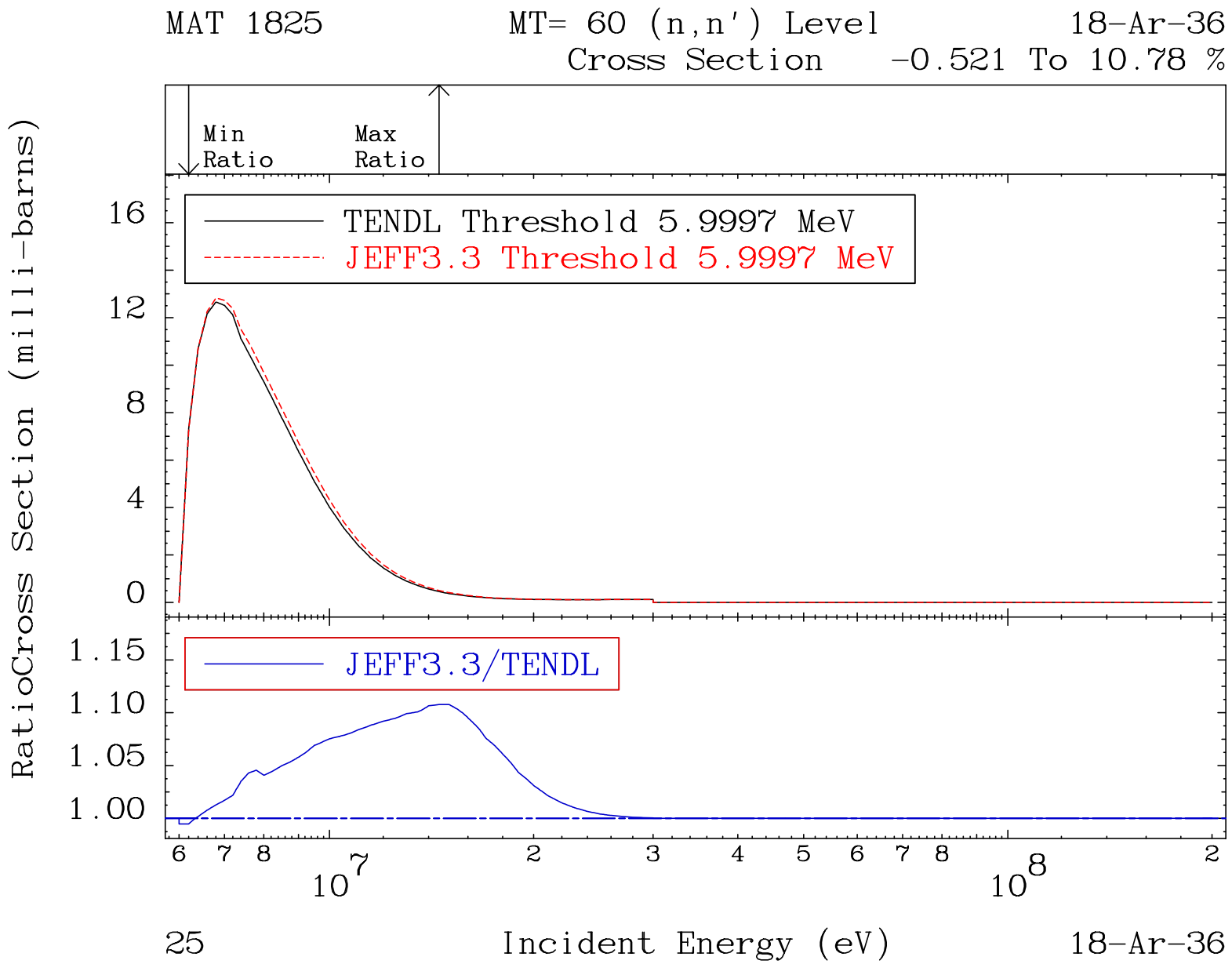

MAT 1825
MT= 55 (n,n') Level
18-Ar-36
Cross Section
-100.0 To 10.83 %
Min Ratio
Max Ratio
TENDL Threshold 4.5646 MeV
JEFF3.3 Threshold 4.5646 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
18-Ar-36

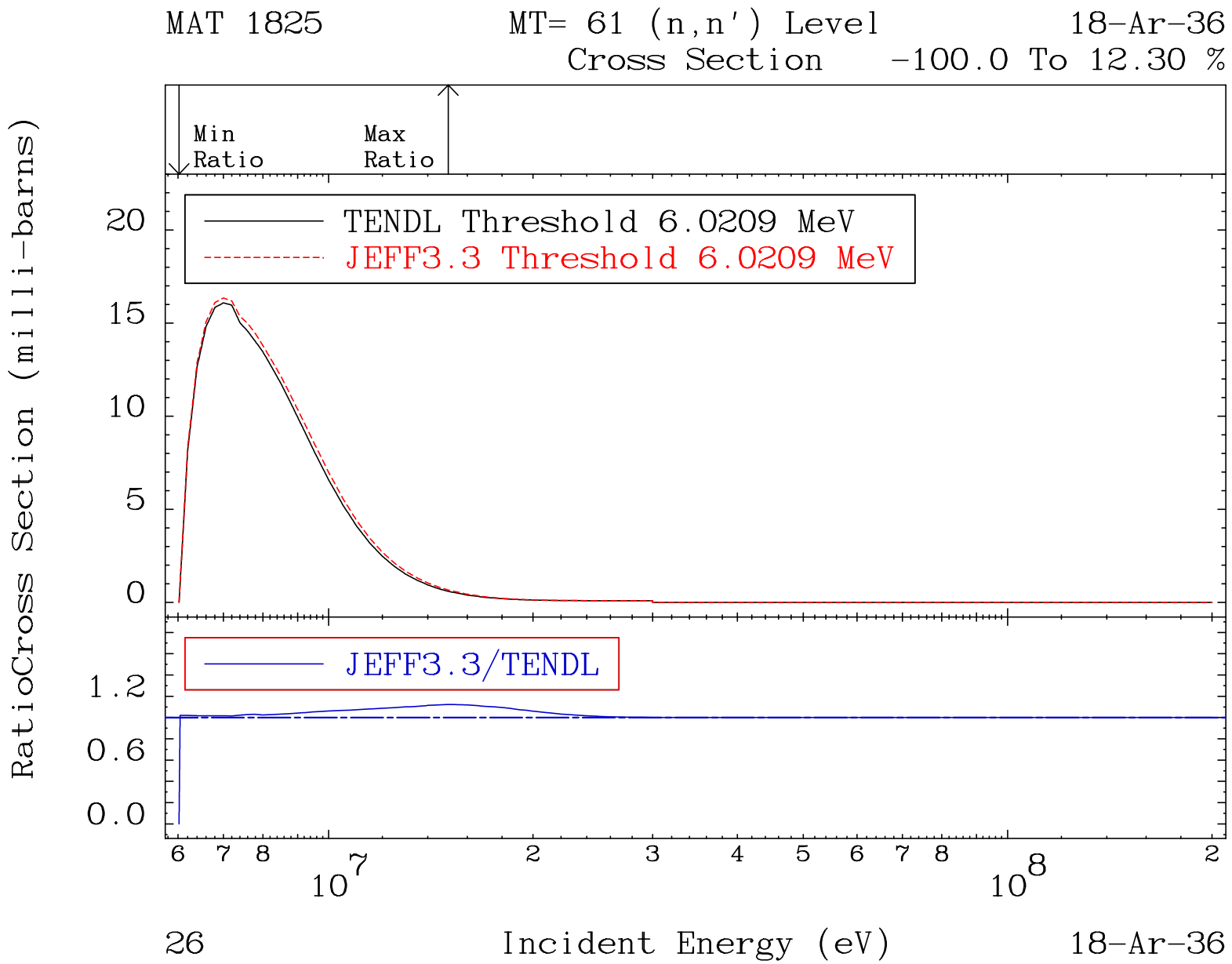

MAT 1825
MT= 56 (n,n') Level
18-Ar-36
Cross Section -100.0 To 10.88 %
Min Ratio
Max Ratio
TENDL Threshold 5.0903 MeV
JEFF3.3 Threshold 5.0903 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
18-Ar-36

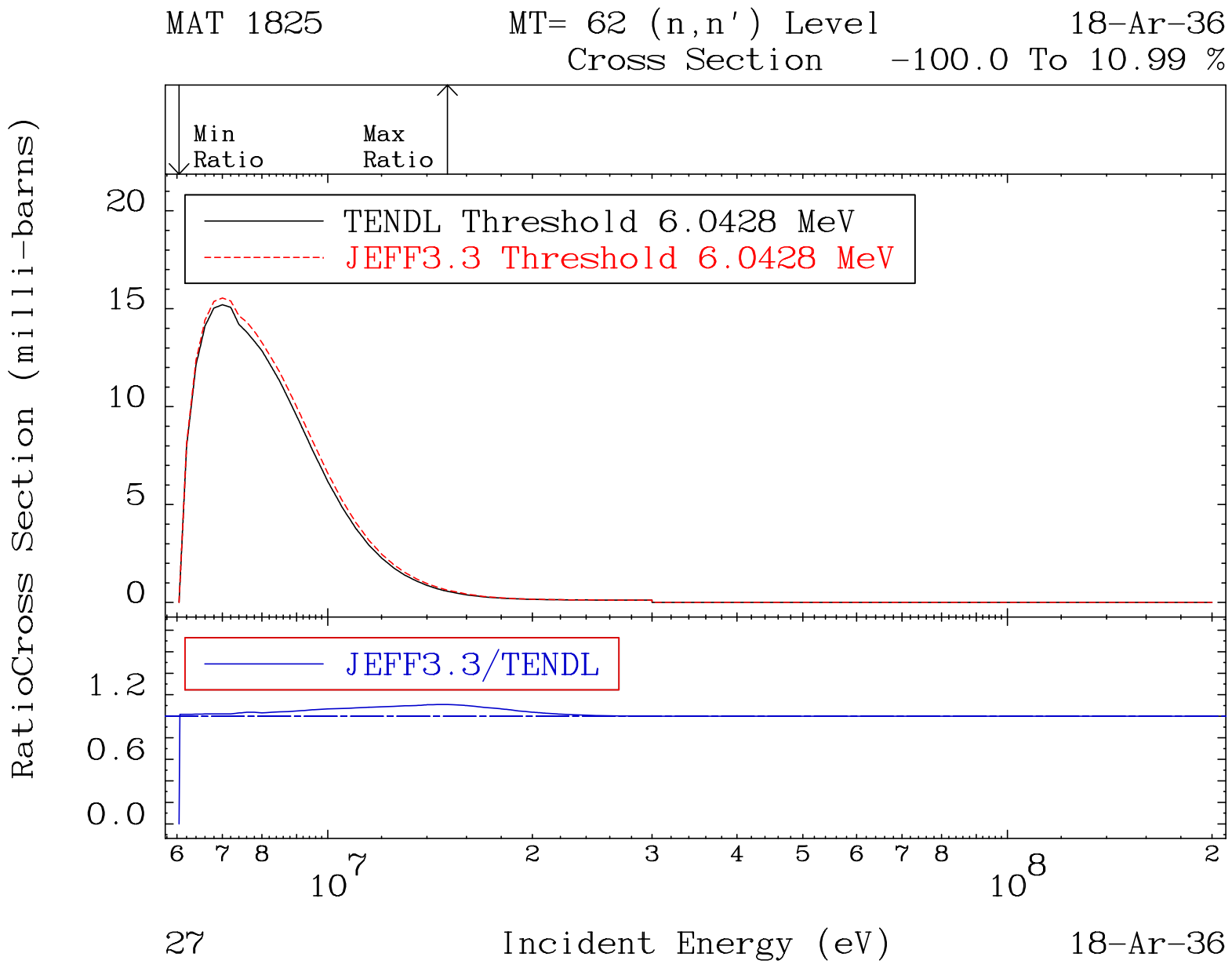

MAT 1825
MT= 57 (n,n') Level
18-Ar-36
Cross Section -0.879 To 62.56 %
Min Ratio
Max Ratio
TENDL Threshold 5.1135 MeV
JEFF3.3 Threshold 5.1135 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.6
1.2
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
18-Ar-36

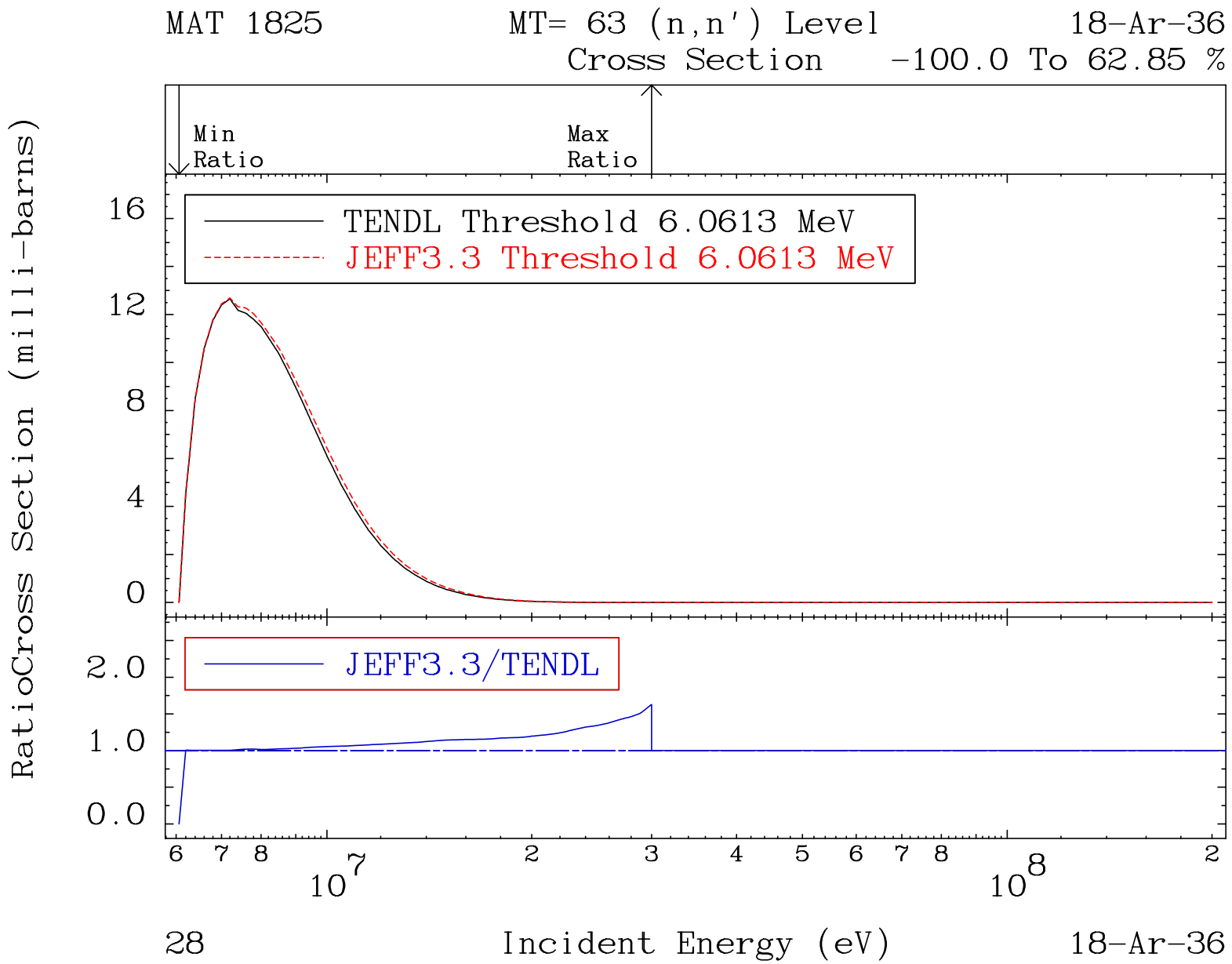

MAT 1825
MT= 58 (n,n') Level
18-Ar-36
Cross Section -100.0 To 12.98 %
Min Ratio
Max Ratio
TENDL Threshold 5.3161 MeV
JEFF3.3 Threshold 5.3161 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.2
0.6
0.0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
18-Ar-36

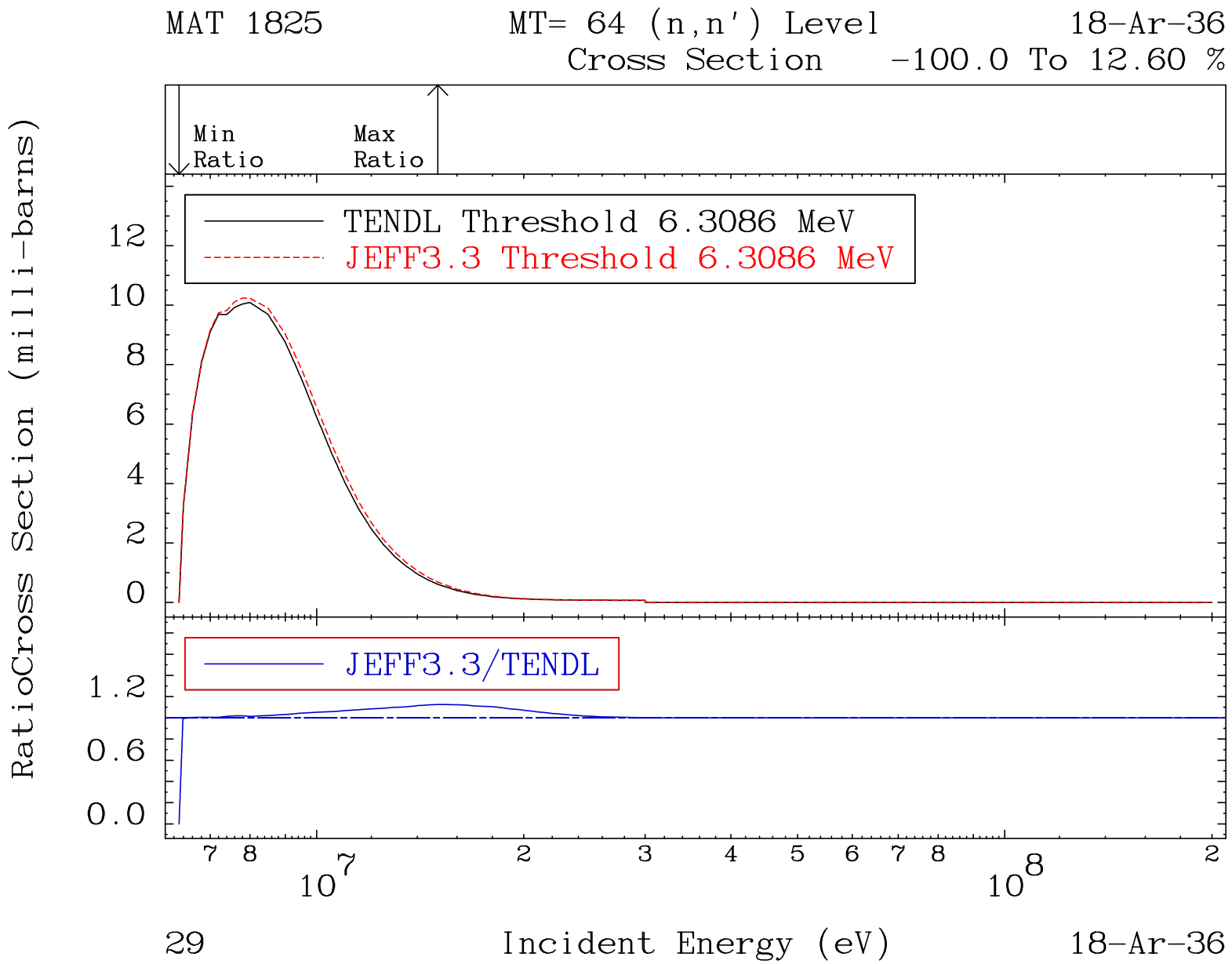

MAT 1825
MT= 59 (n,n') Level
18-Ar-36
Cross Section -100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 5.3401 MeV
JEFF3.3 Threshold 5.3401 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.2
0.6
0.0
6 7 8
10^7
2
3
4
5
6
7
8
10^8
2
24
Incident Energy (eV)
18-Ar-36

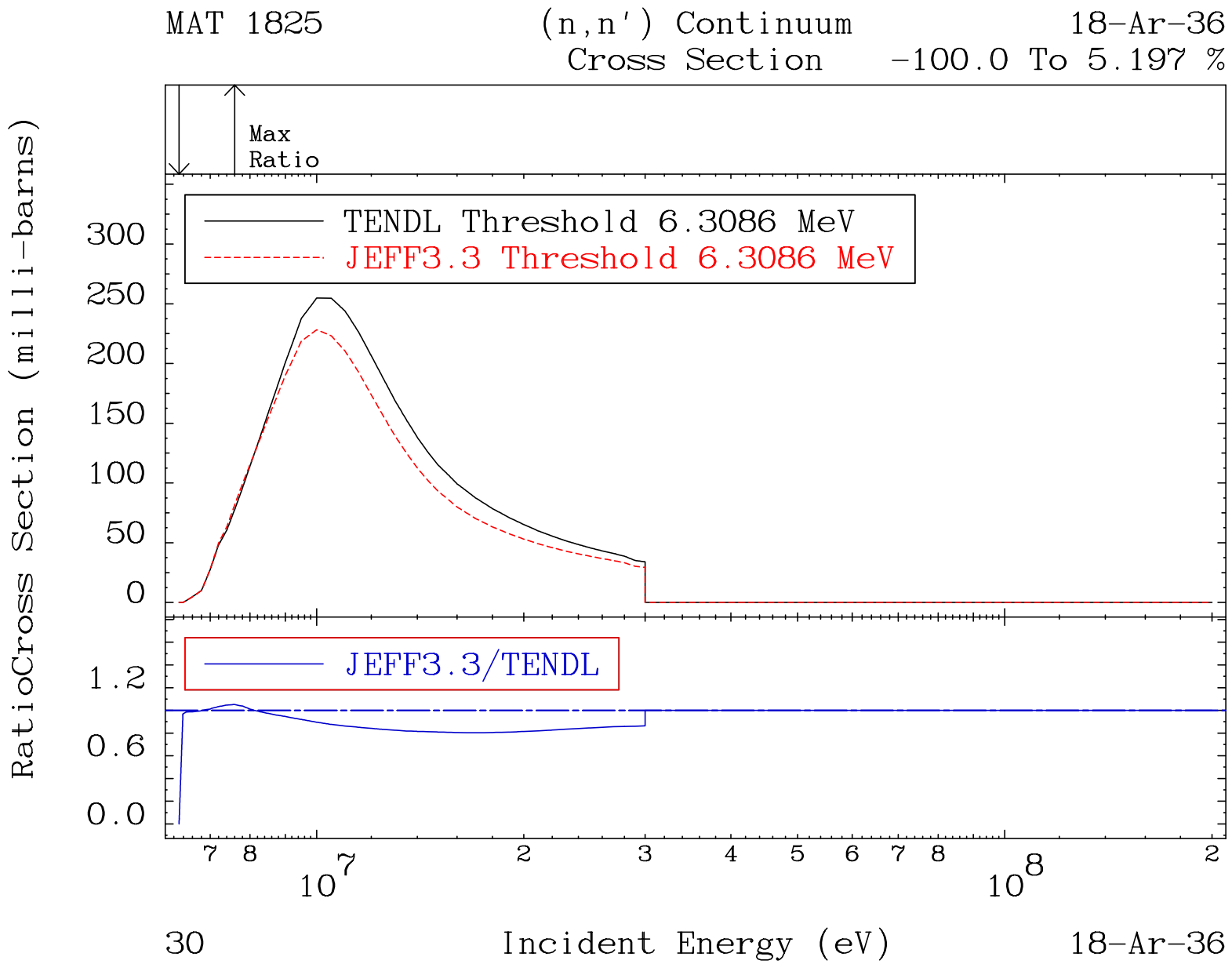

MAT 1825
MT= 60 (n,n') Level
18-Ar-36
Cross Section -0.521 To 10.78 %
Min Ratio
Max Ratio
TENDL Threshold 5.9997 MeV
JEFF3.3 Threshold 5.9997 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.15
1.10
1.05
1.00
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
18-Ar-36

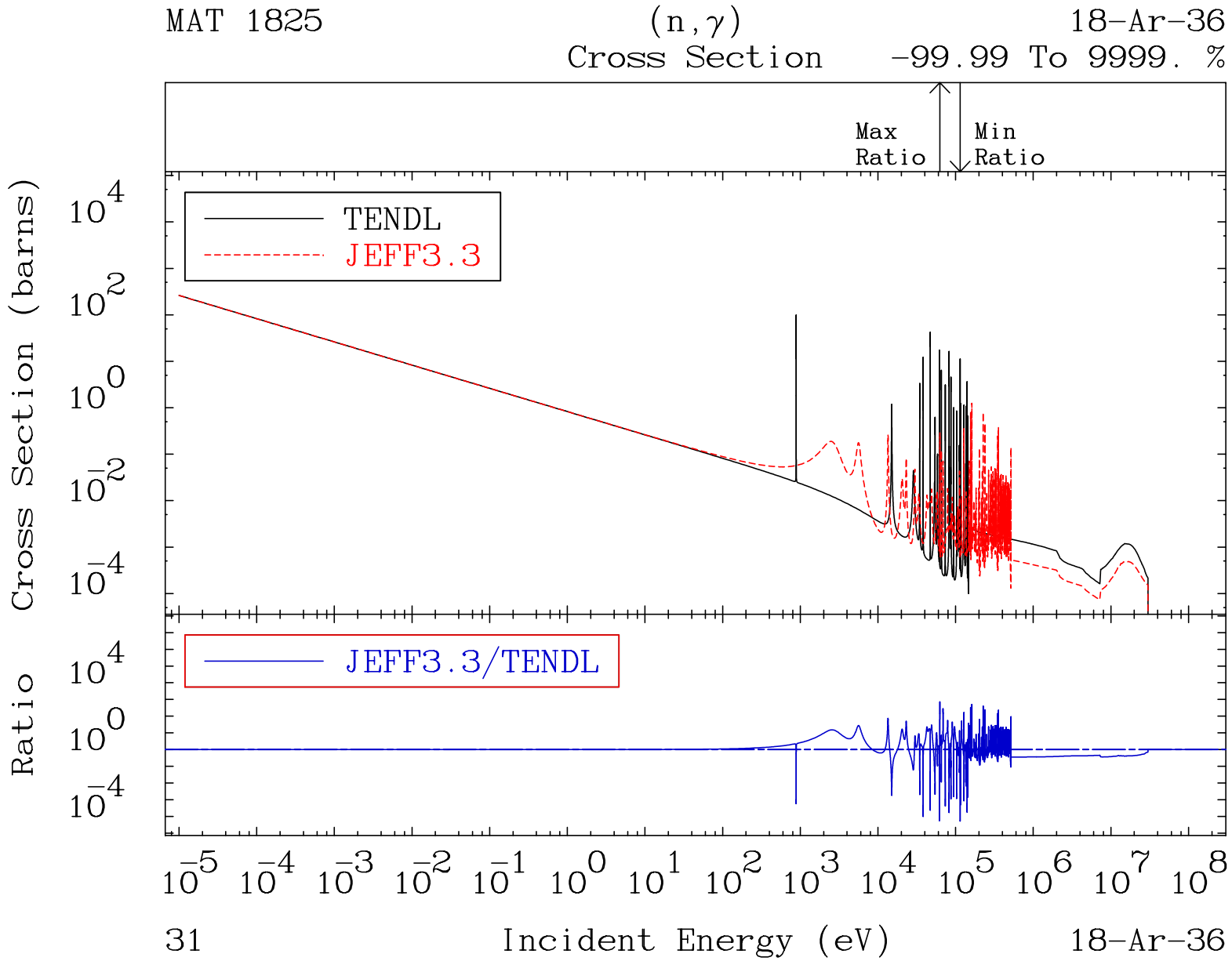

MAT 1825
MT= 61 (n,n') Level
18-Ar-36
Cross Section -100.0 To 12.30 %
Min Ratio
Max Ratio
TENDL Threshold 6.0209 MeV
JEFF3.3 Threshold 6.0209 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.2
0.6
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
26
Incident Energy (eV)
18-Ar-36

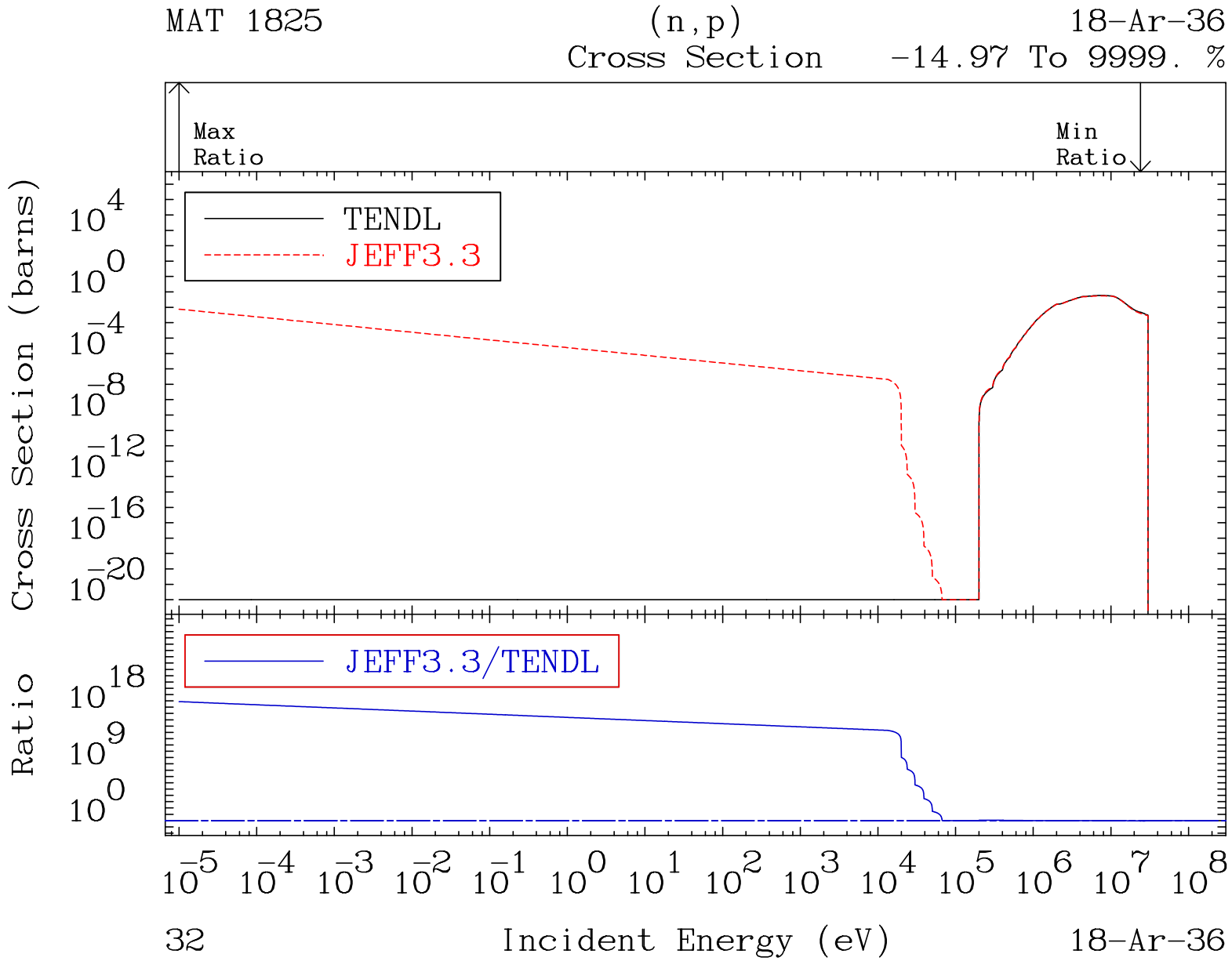

MAT 1825
MT= 62 (n,n') Level
18-Ar-36
Cross Section -100.0 To 10.99 %
Min Ratio
Max Ratio
TENDL Threshold 6.0428 MeV
JEFF3.3 Threshold 6.0428 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.2
0.6
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
18-Ar-36

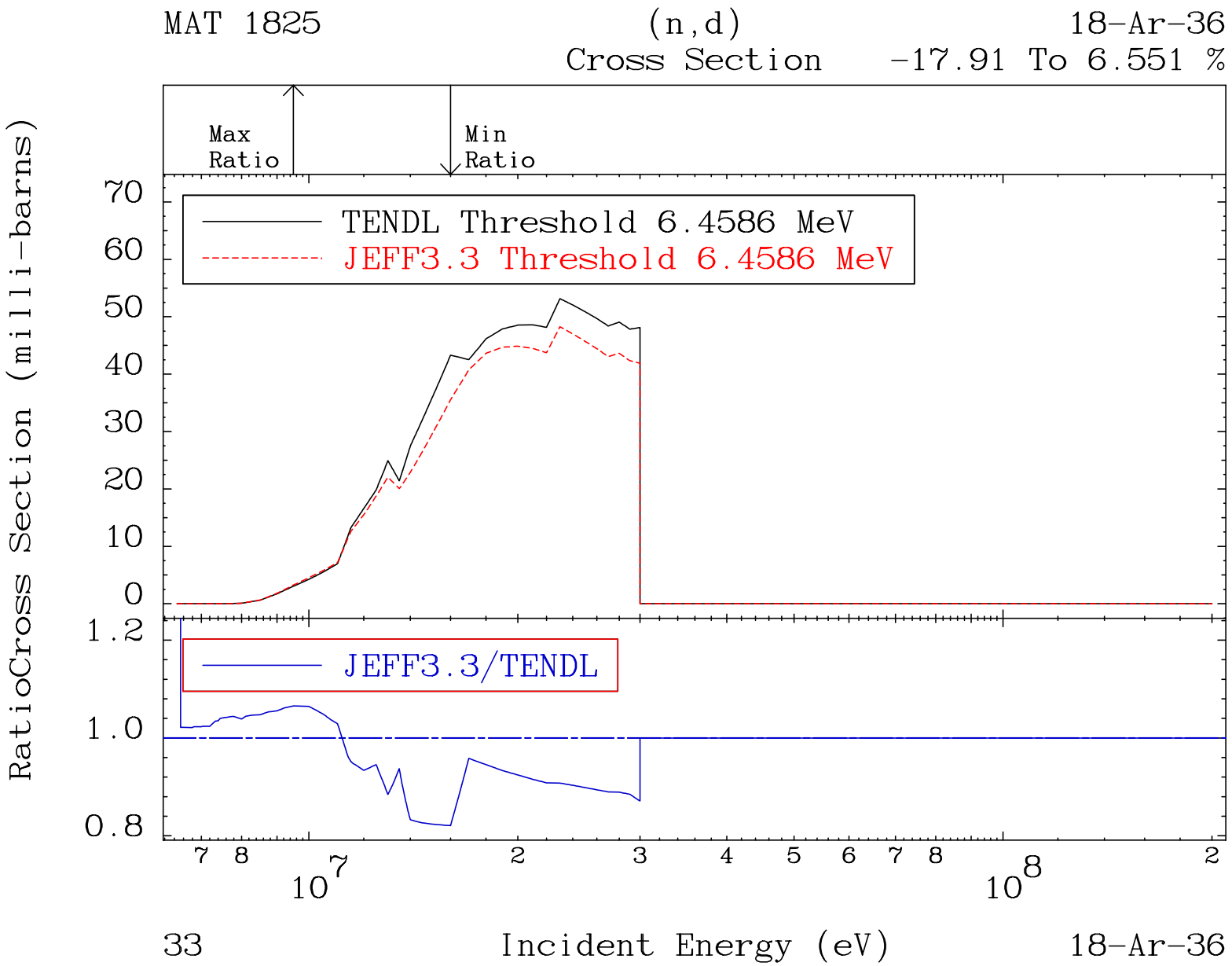

MAT 1825
MT= 63 (n,n') Level
18-Ar-36
Cross Section -100.0 To 62.85 %
Min Ratio
Max Ratio
TENDL Threshold 6.0613 MeV
JEFF3.3 Threshold 6.0613 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
2.0
1.0
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
18-Ar-36

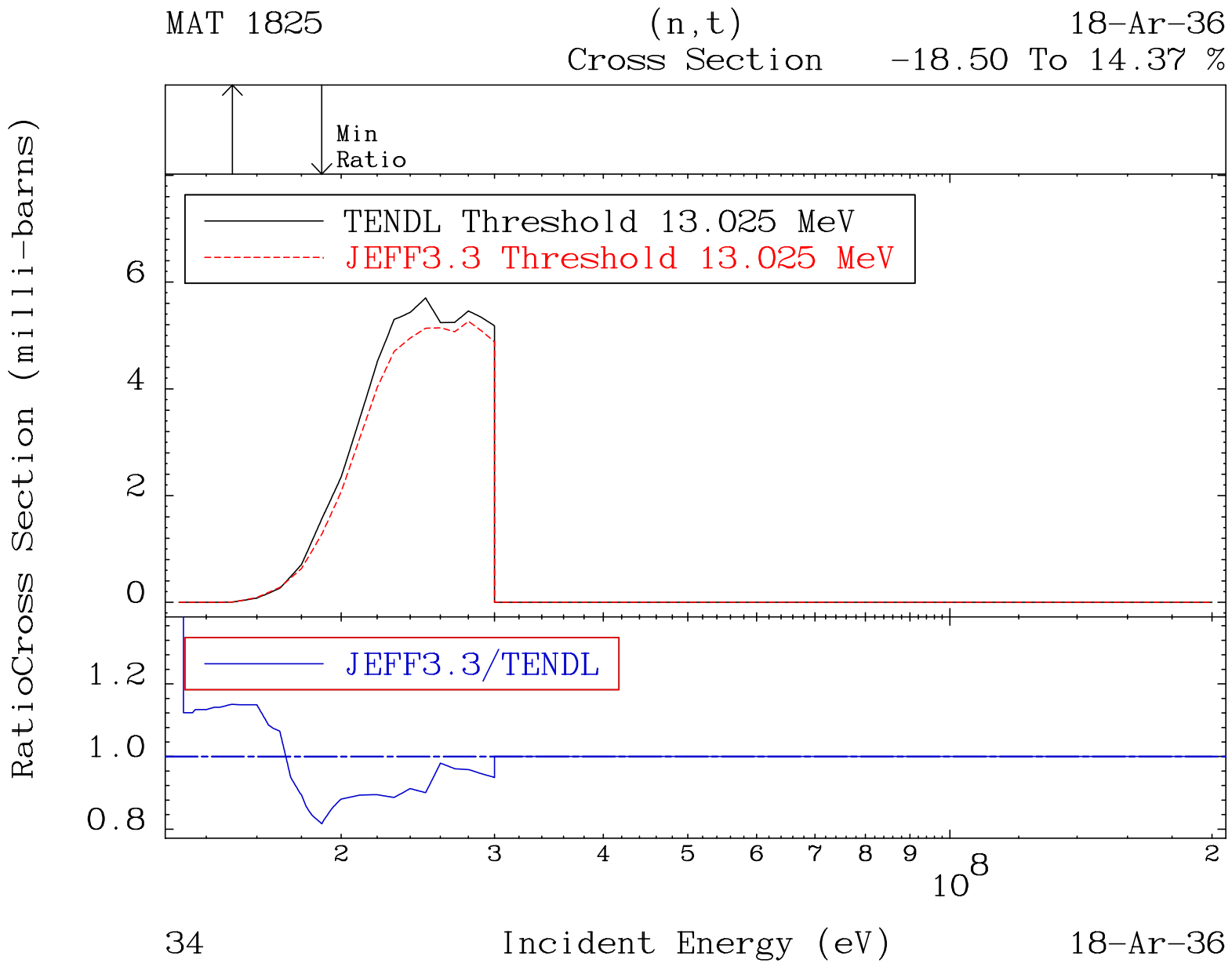

MAT 1825
MT= 64 (n,n') Level
18-Ar-36
Cross Section -100.0 To 12.60 %
Min Ratio
Max Ratio
TENDL Threshold 6.3086 MeV
JEFF3.3 Threshold 6.3086 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
1.2
0.6
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
18-Ar-36

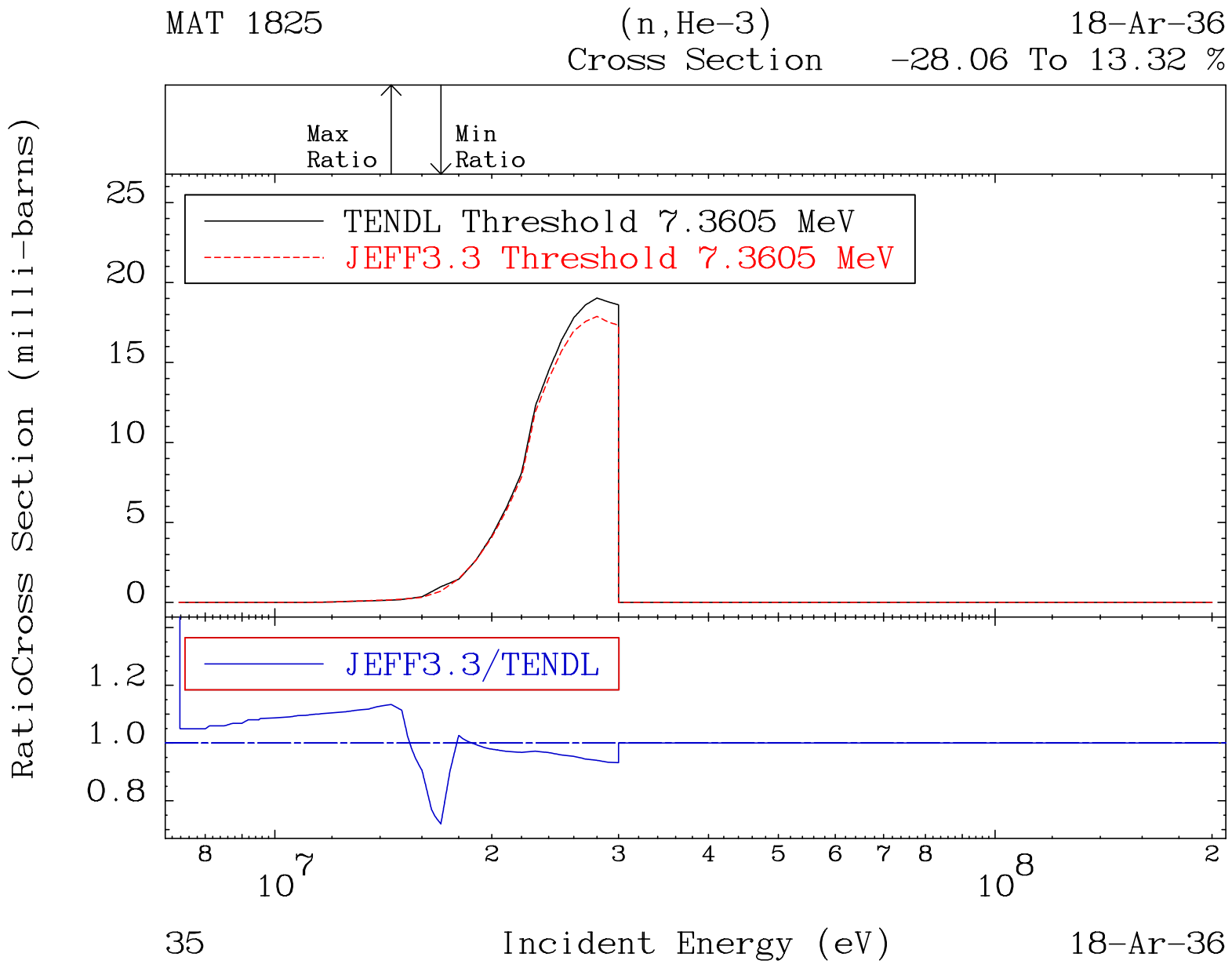

MAT 1825
(n,n') Continuum
Cross Section
18-Ar-36
-100.0 To 5.197 %
Max
Ratio
TENDL Threshold 6.3086 MeV
JEFF3.3 Threshold 6.3086 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.2
0.6
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
18-Ar-36

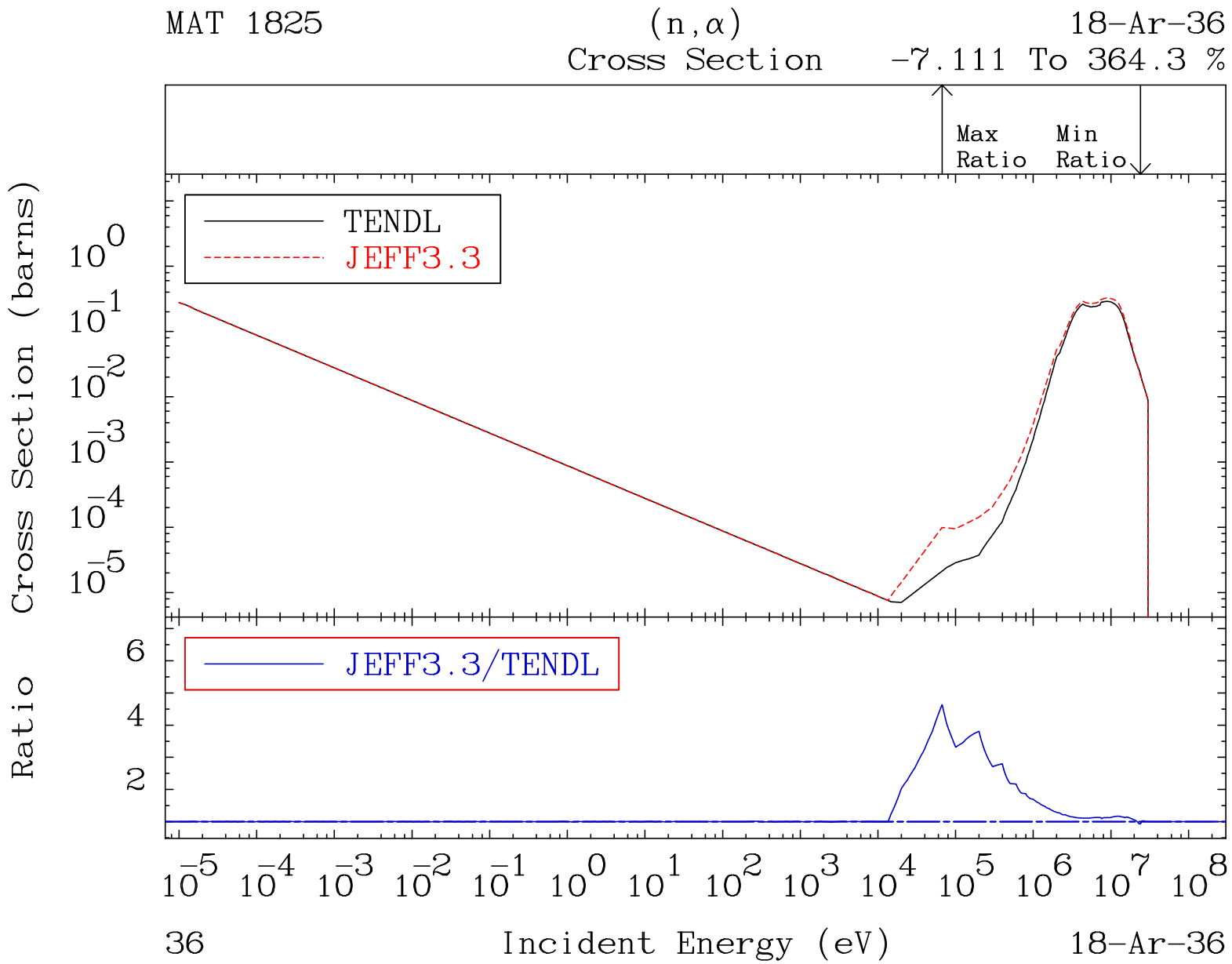

MAT 1825
(n,γ)
Cross Section
18-Ar-36
-99.99 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
31
18-Ar-36

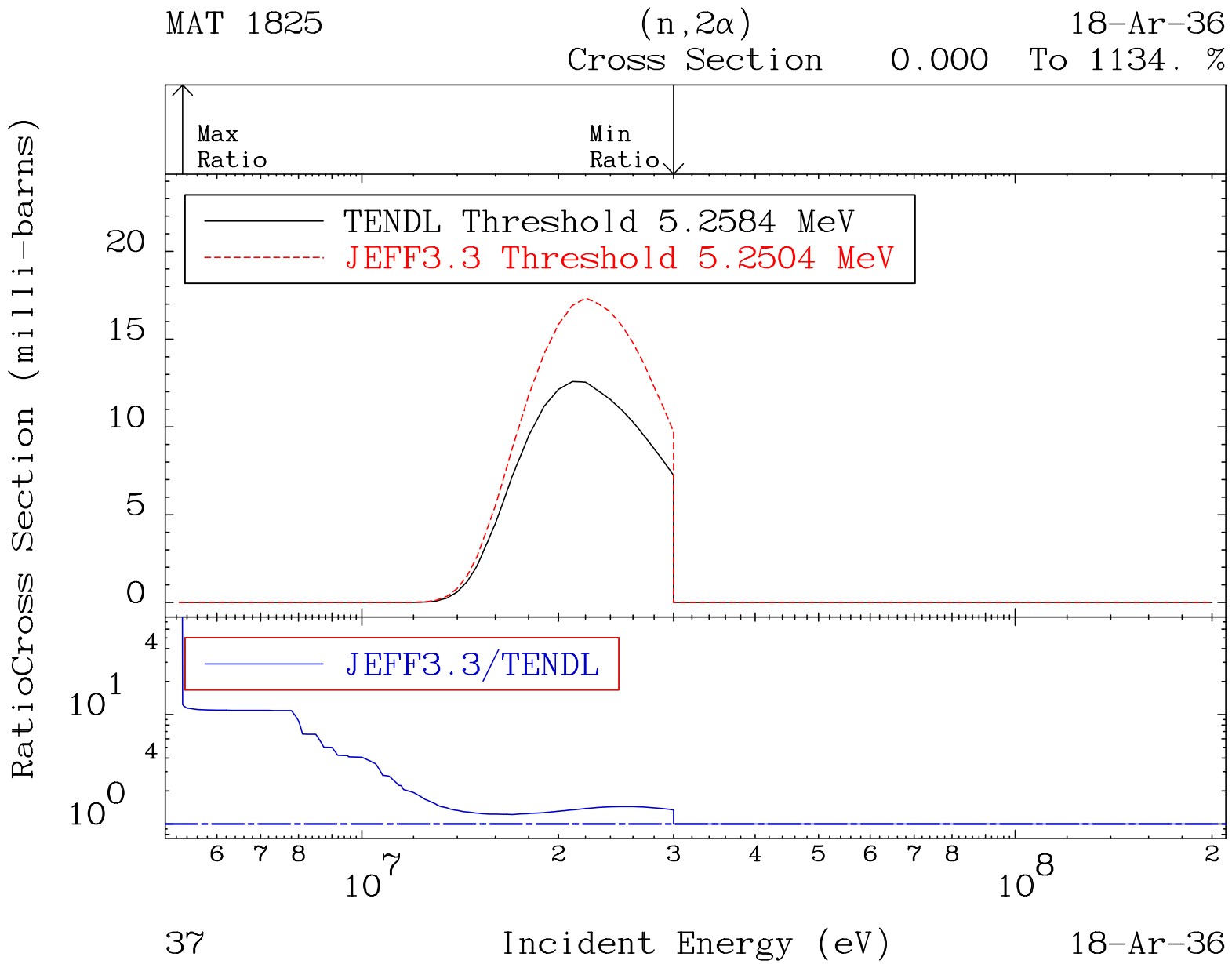

MAT 1825
(n,p)
Cross Section
18-Ar-36
-14.97 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
32
18-Ar-36

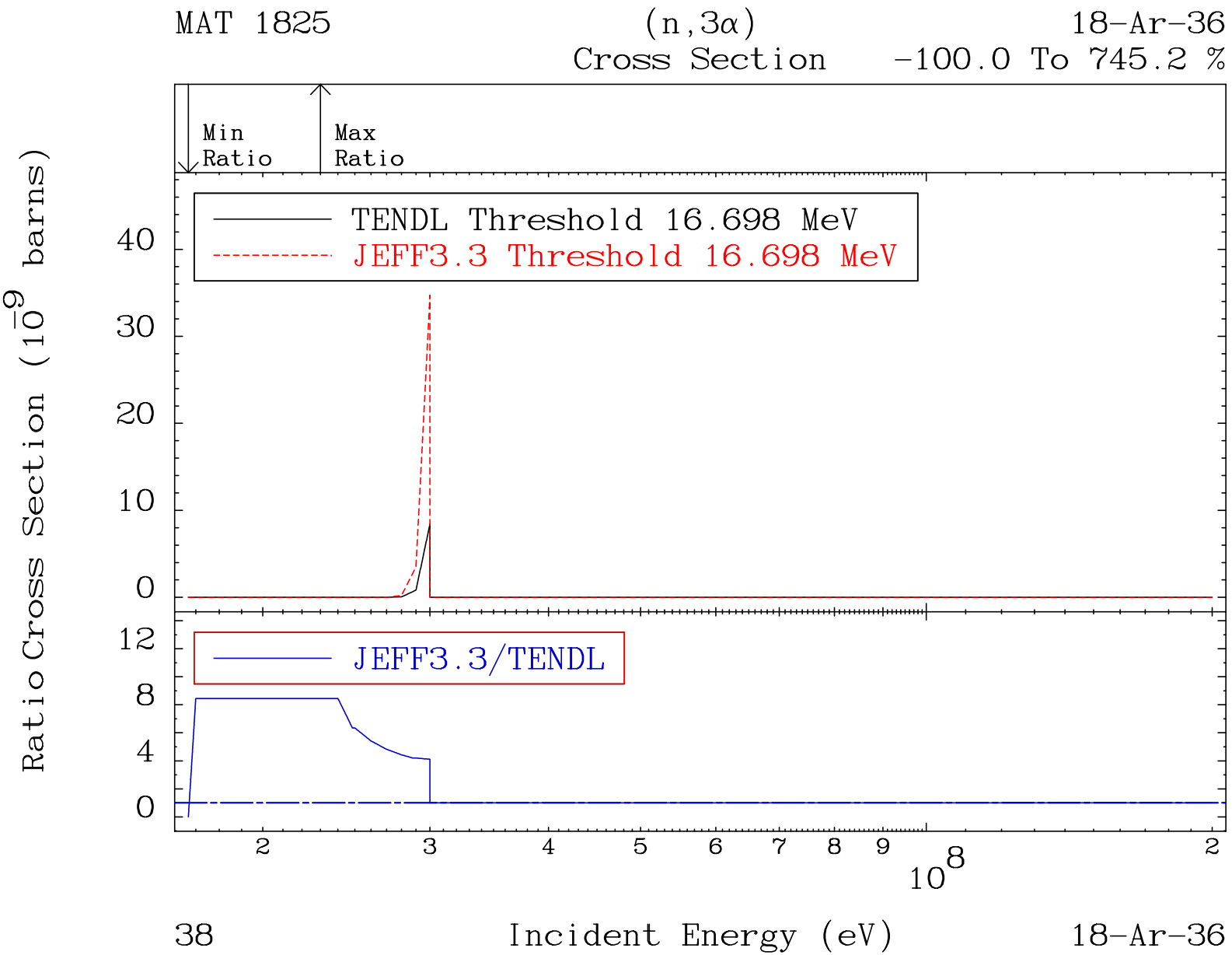

MAT 1825
(n,d)
18-Ar-36
Cross Section
-17.91 To 6.551 %
Max Ratio
Min Ratio
TENDL Threshold 6.4586 MeV
JEFF3.3 Threshold 6.4586 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
1.2
1.0
0.8
7 8
10^7
2
3
4
5
6
7
8
10^8
2
33
Incident Energy (eV)
18-Ar-36

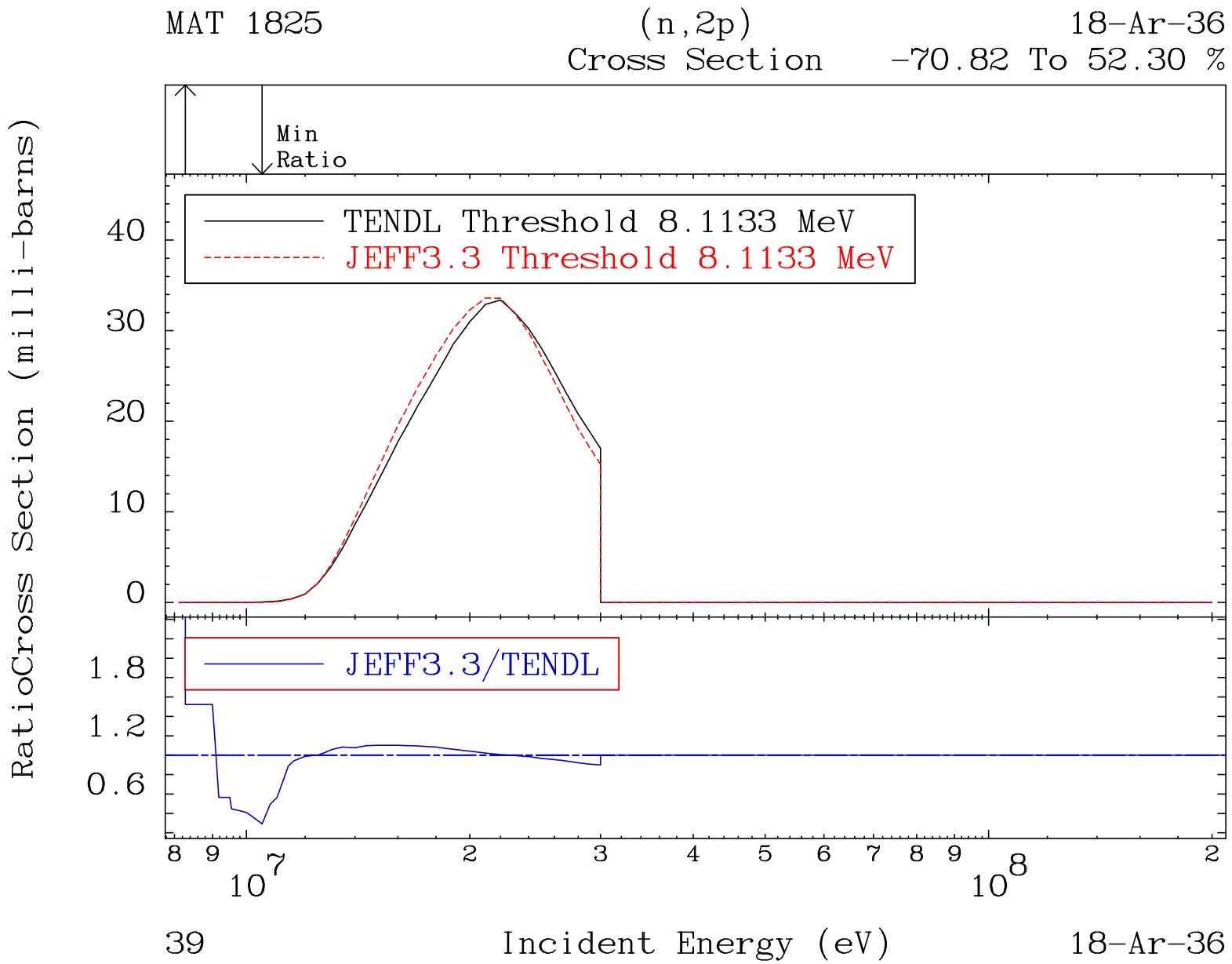

MAT 1825
(n,t)
Cross Section
18-Ar-36
-18.50 To 14.37 %
Min
Ratio
TENDL Threshold 13.025 MeV
JEFF3.3 Threshold 13.025 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
2
4
6
0.8
1.0
1.2
2
3
4
5
6
7
8
9
10^8
2
34
Incident Energy (eV)
18-Ar-36

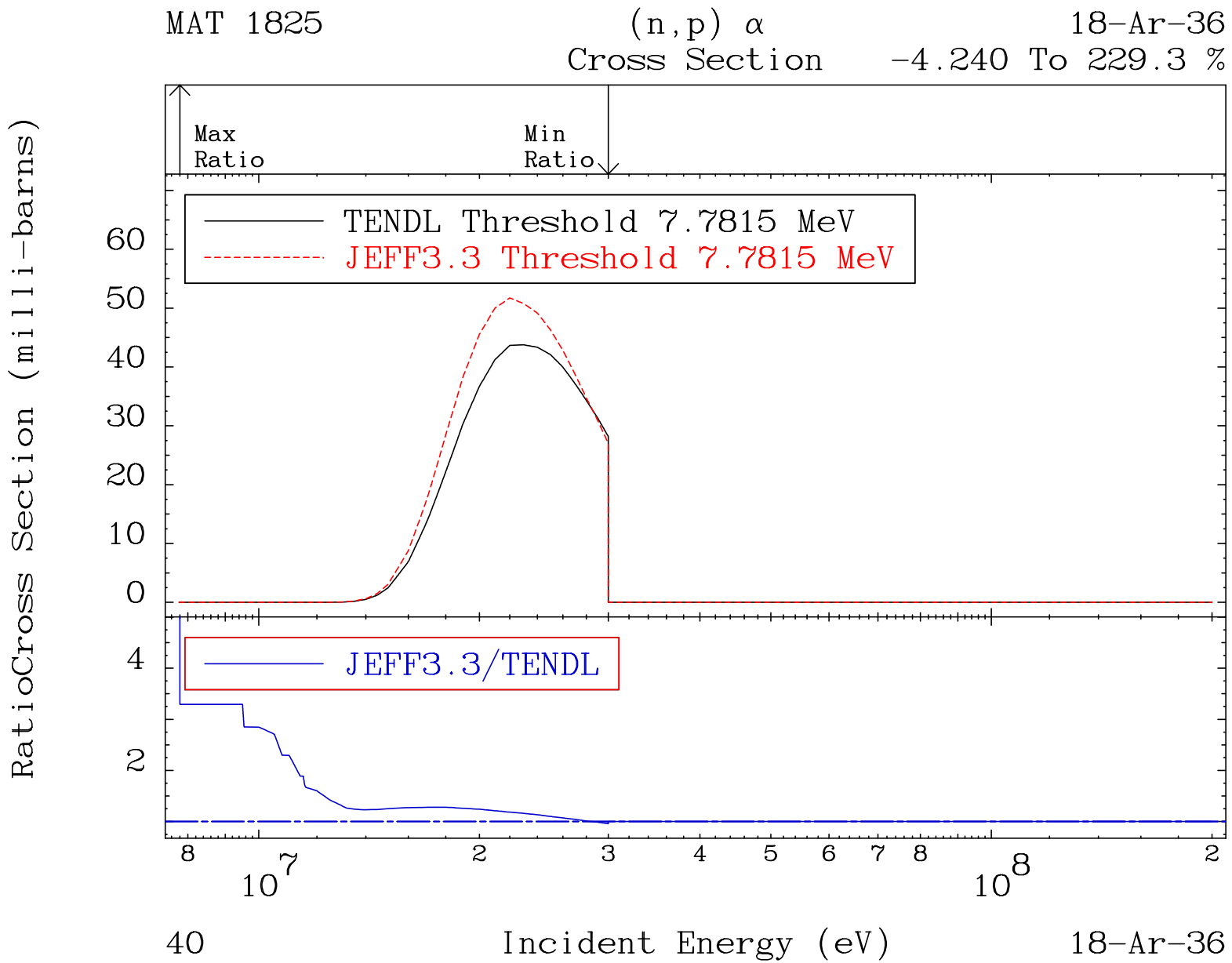

MAT 1825
(n,He-3)
Cross Section
18-Ar-36
-28.06 To 13.32 %
Max Ratio
Min Ratio
TENDL Threshold 7.3605 MeV
JEFF3.3 Threshold 7.3605 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.2
1.0
0.8
8
10^7
2
3
4
5
6
7
8
10^8
2
35
Incident Energy (eV)
18-Ar-36

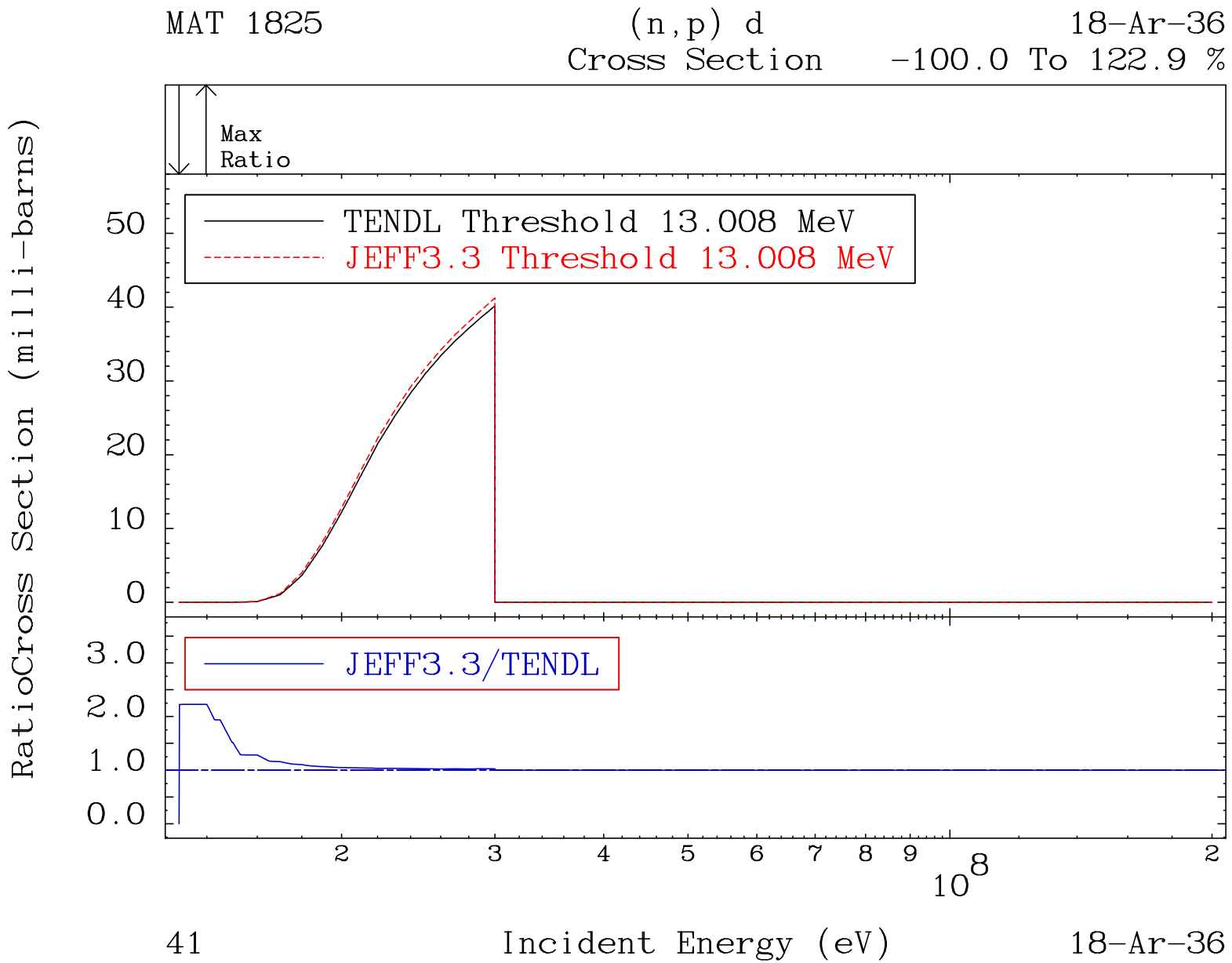

MAT 1825
(n,α)
Cross Section
18-Ar-36
-7.111 To 364.3 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
18-Ar-36

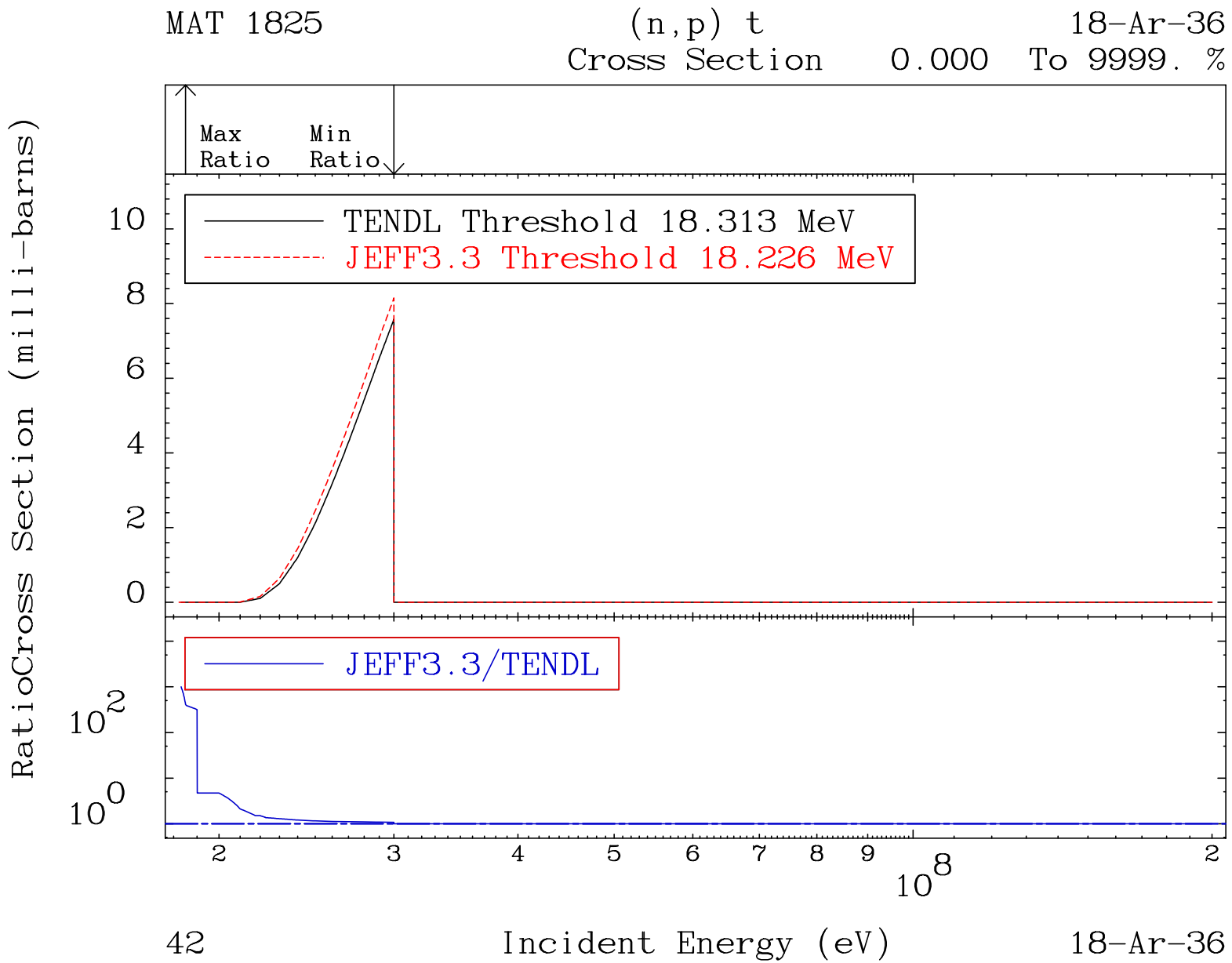

MAT 1825
(n,2α)
18-Ar-36
Cross Section 0.000 To 1134. %
Max Ratio
Min Ratio
TENDL Threshold 5.2584 MeV
JEFF3.3 Threshold 5.2504 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
4
10^1
4
10^0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
37
Incident Energy (eV)
18-Ar-36

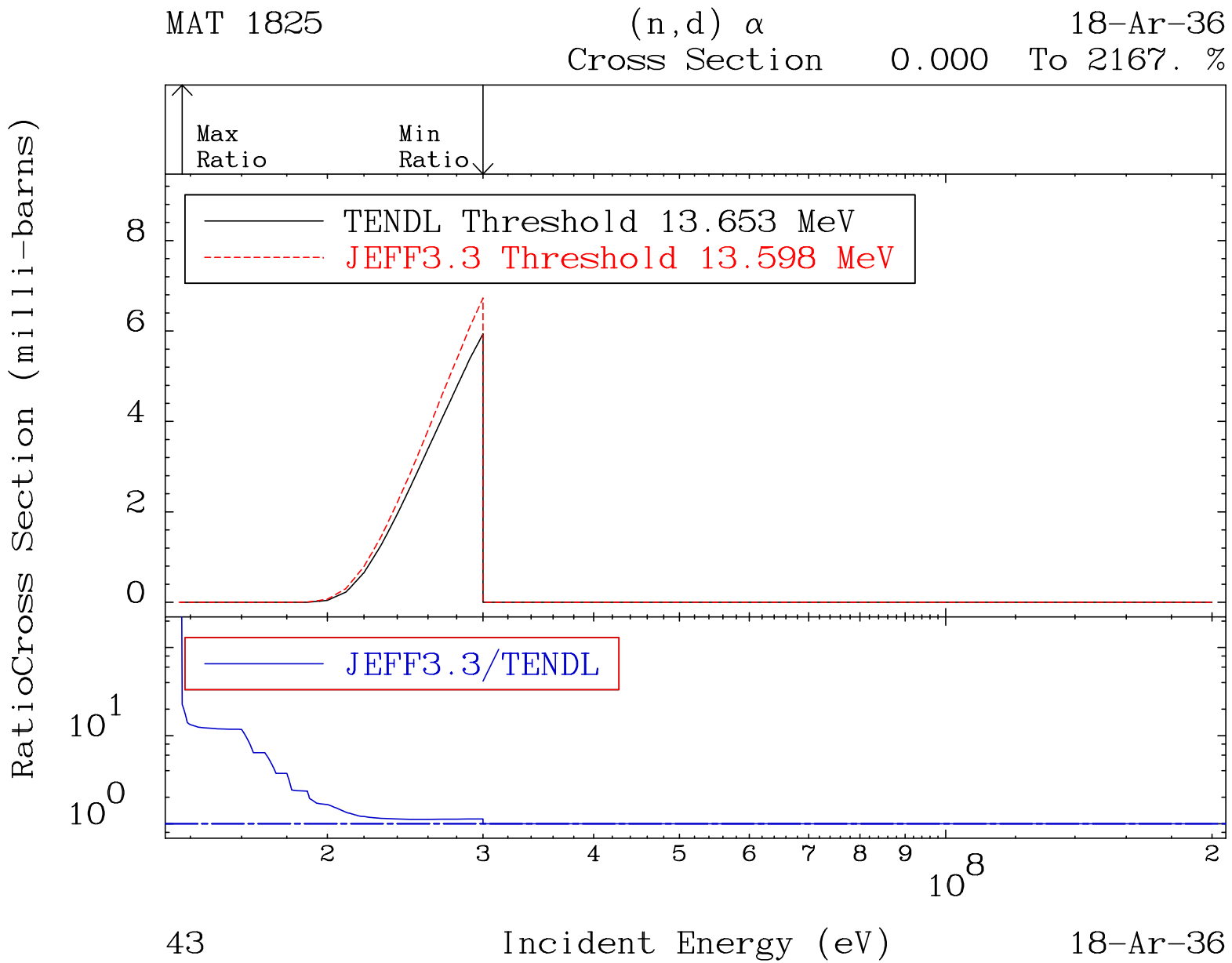

MAT 1825
(n,3α)
Cross Section
18-Ar-36
-100.0 To 745.2 %
Min Ratio
Max Ratio
TENDL Threshold 16.698 MeV
JEFF3.3 Threshold 16.698 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
40
30
20
10
0
12
8
4
0
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
18-Ar-36

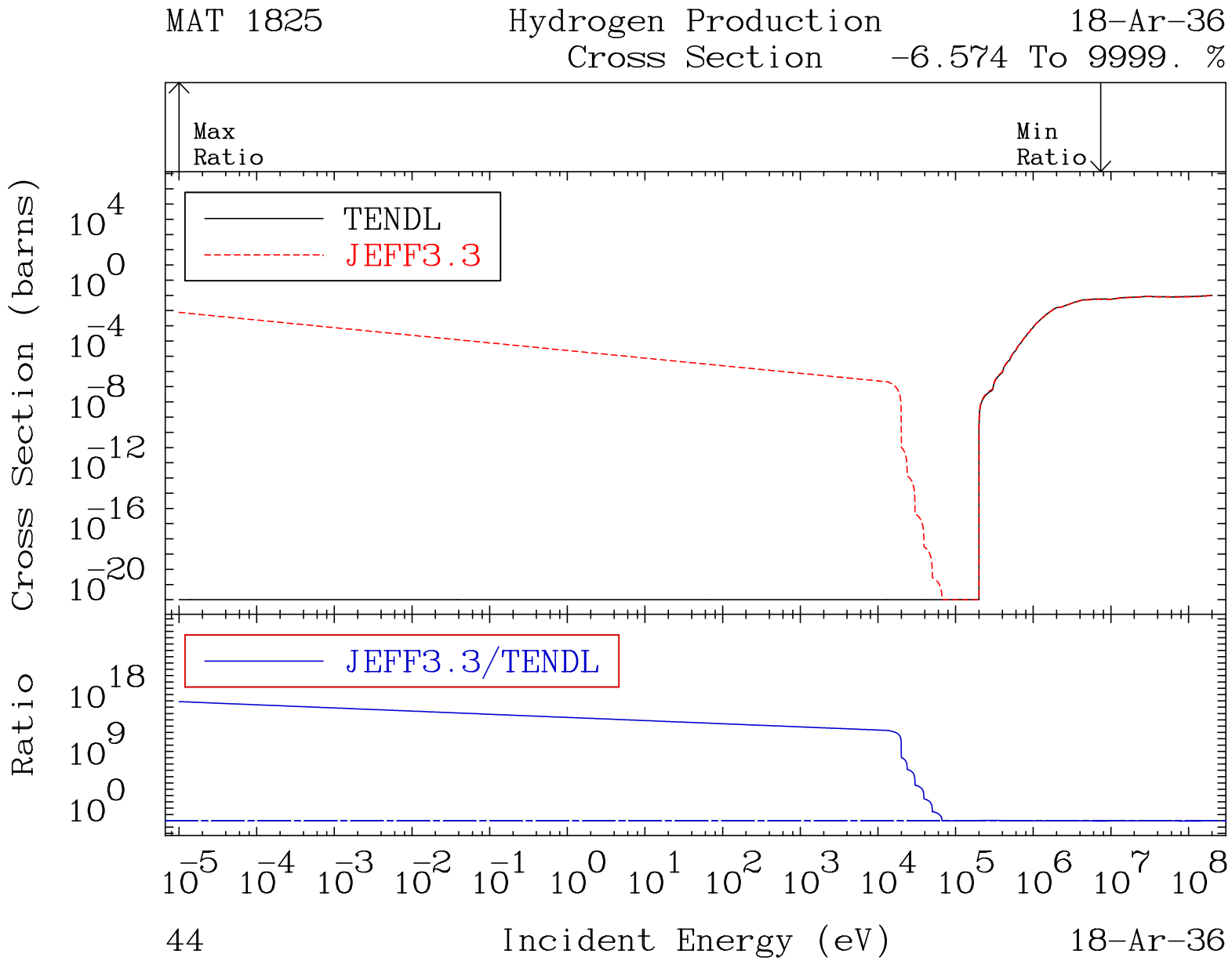

MAT 1825
(n,2p)
Cross Section
18-Ar-36
-70.82 To 52.30 %
Min
Ratio
TENDL Threshold 8.1133 MeV
JEFF3.3 Threshold 8.1133 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.8
1.2
0.6
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
18-Ar-36

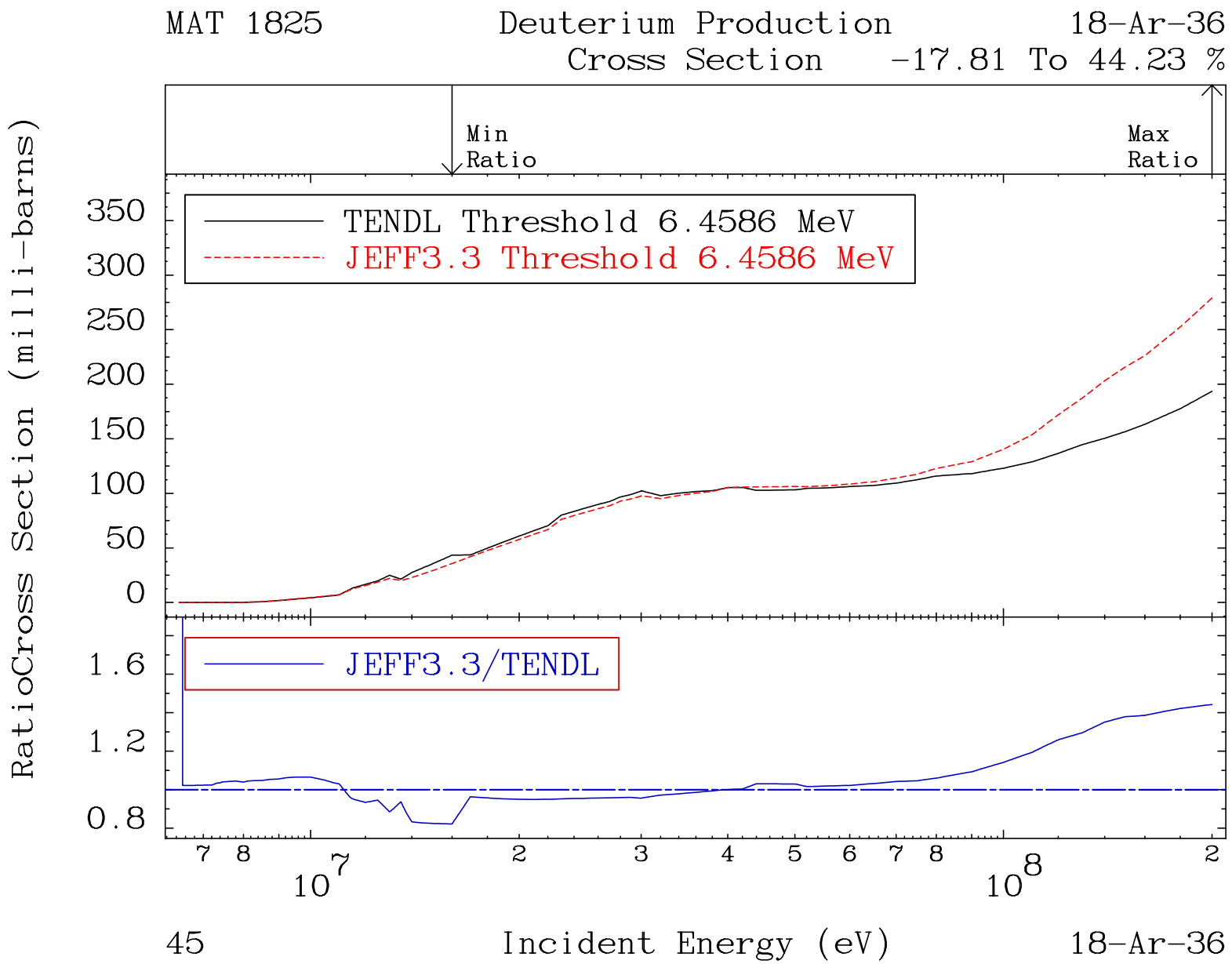

MAT 1825
(n,p) α
Cross Section
18-Ar-36
-4.240 To 229.3 %
Max Ratio
Min Ratio
TENDL Threshold 7.7815 MeV
JEFF3.3 Threshold 7.7815 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
4
2
8
10^7
2
3
4
5
6
7
8
10^8
2
40
Incident Energy (eV)
18-Ar-36

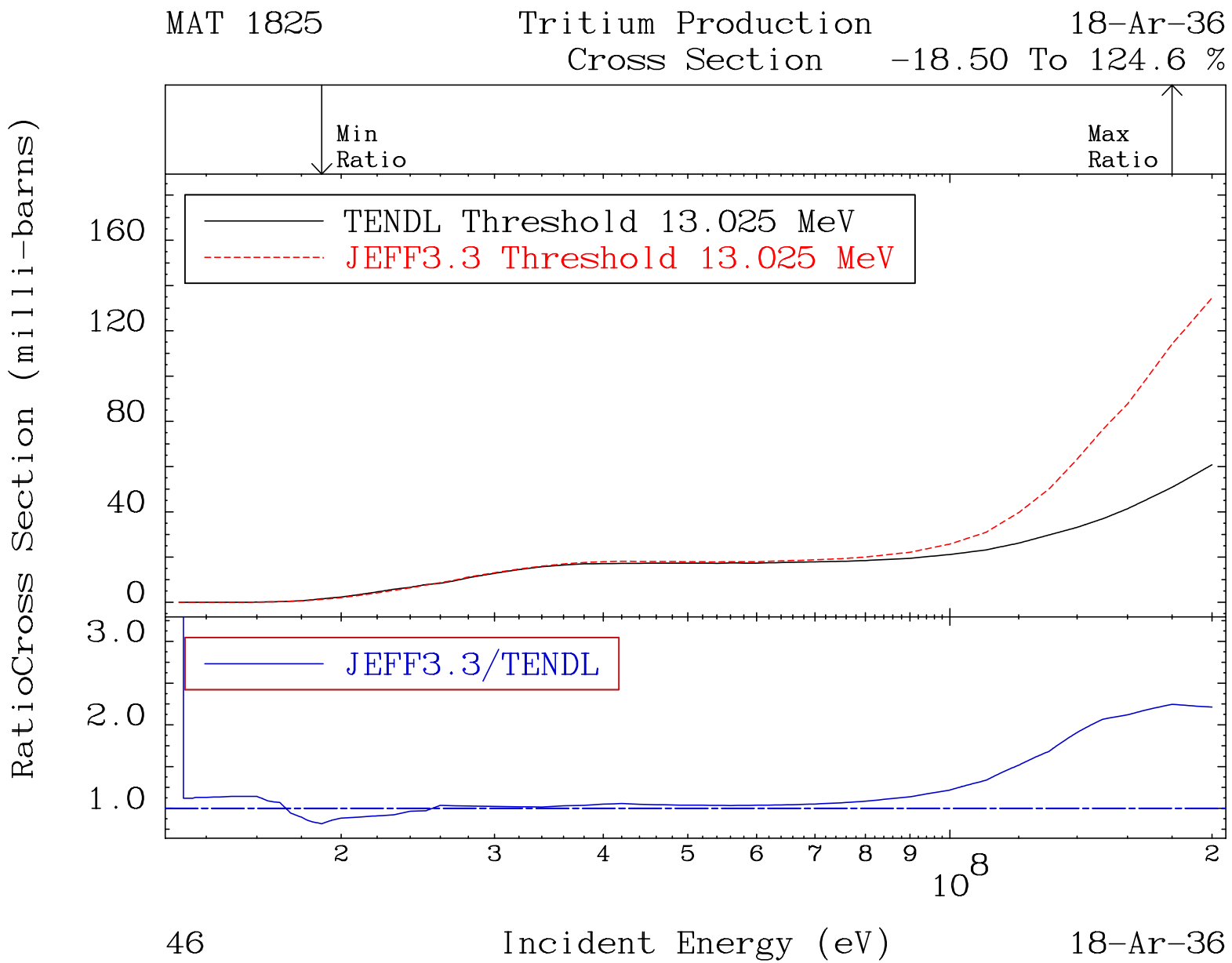

MAT 1825
(n,p) d
Cross Section
18-Ar-36
-100.0 To 122.9 %
Max
Ratio
TENDL Threshold 13.008 MeV
JEFF3.3 Threshold 13.008 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
18-Ar-36

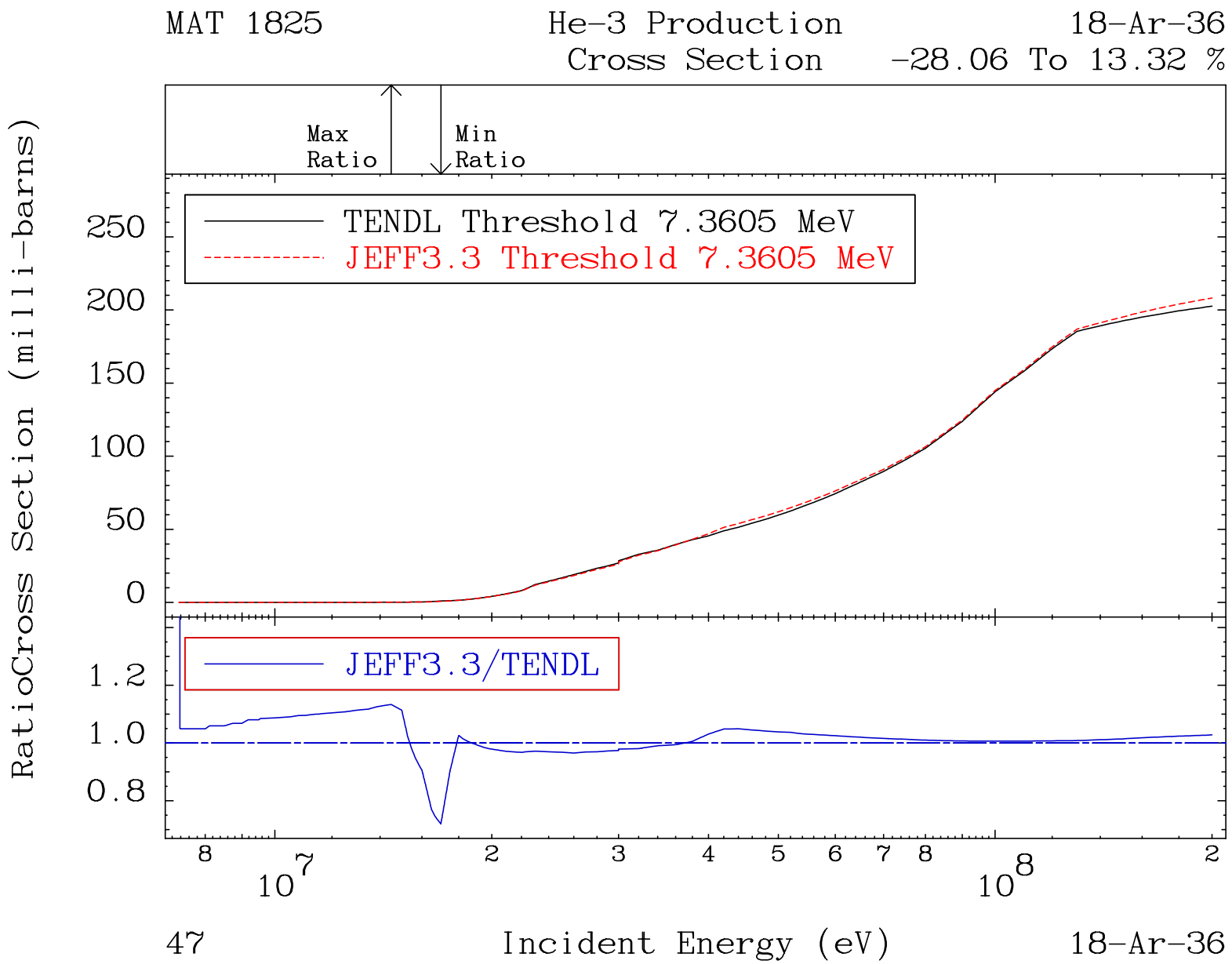

MAT 1825
(n,p) t
18-Ar-36
Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 18.313 MeV
JEFF3.3 Threshold 18.226 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
42
Incident Energy (eV)
18-Ar-36

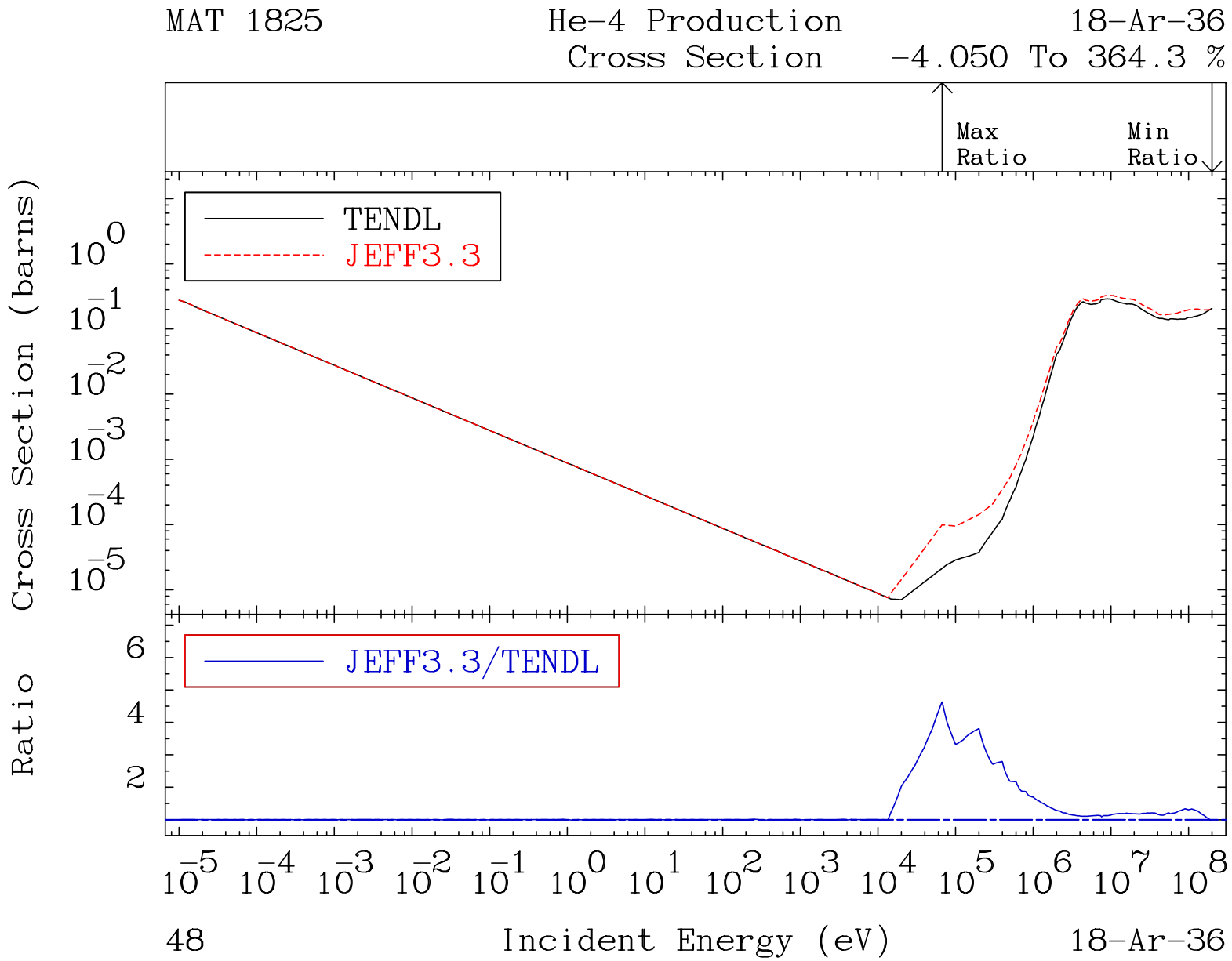

MAT 1825
(n,d) α
18-Ar-36
Cross Section 0.000 To 2167. %
Max Ratio
Min Ratio
TENDL Threshold 13.653 MeV
JEFF3.3 Threshold 13.598 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
2
4
6
8
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
18-Ar-36

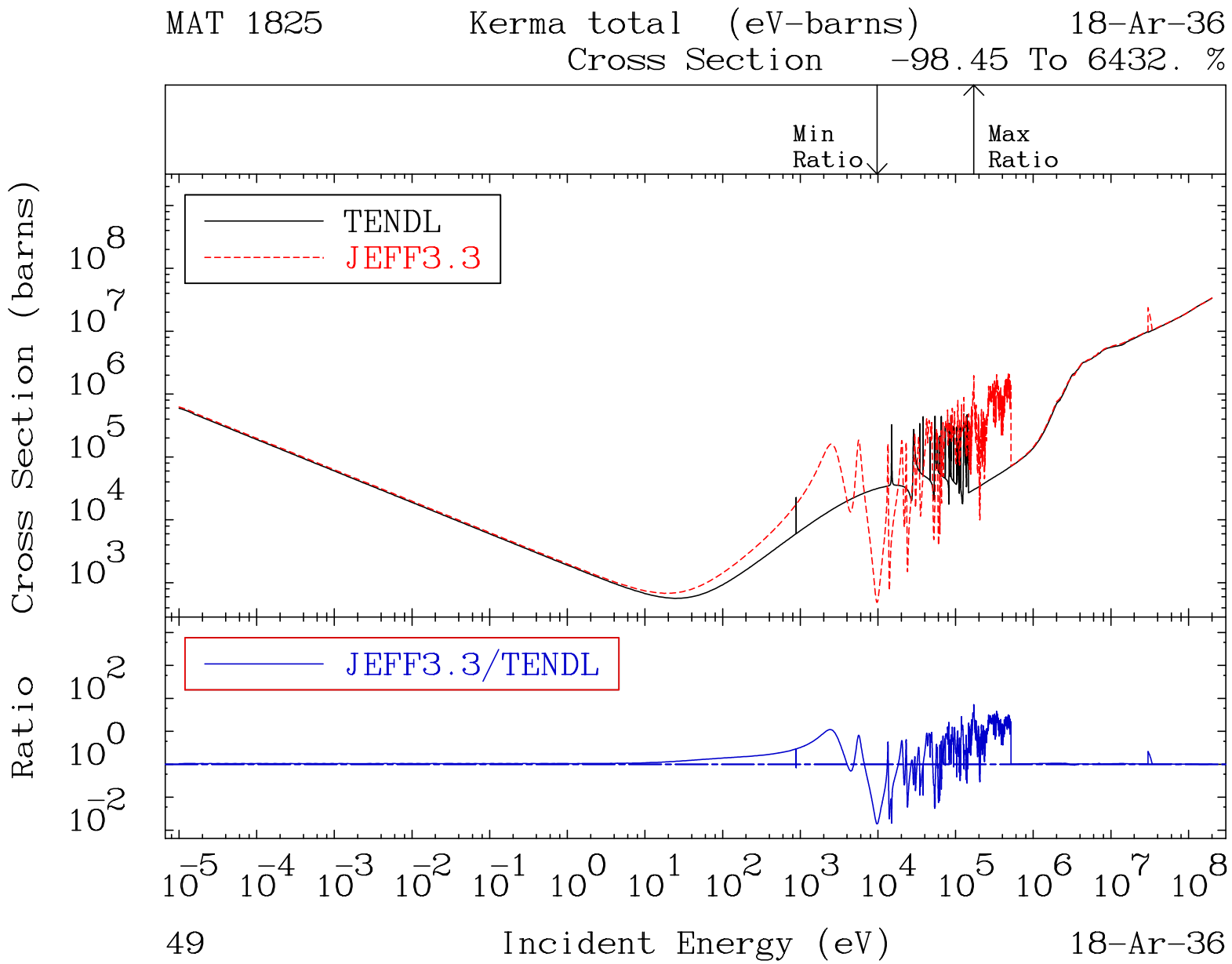

MAT 1825
Hydrogen Production
18-Ar-36
Cross Section -6.574 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
44
18-Ar-36

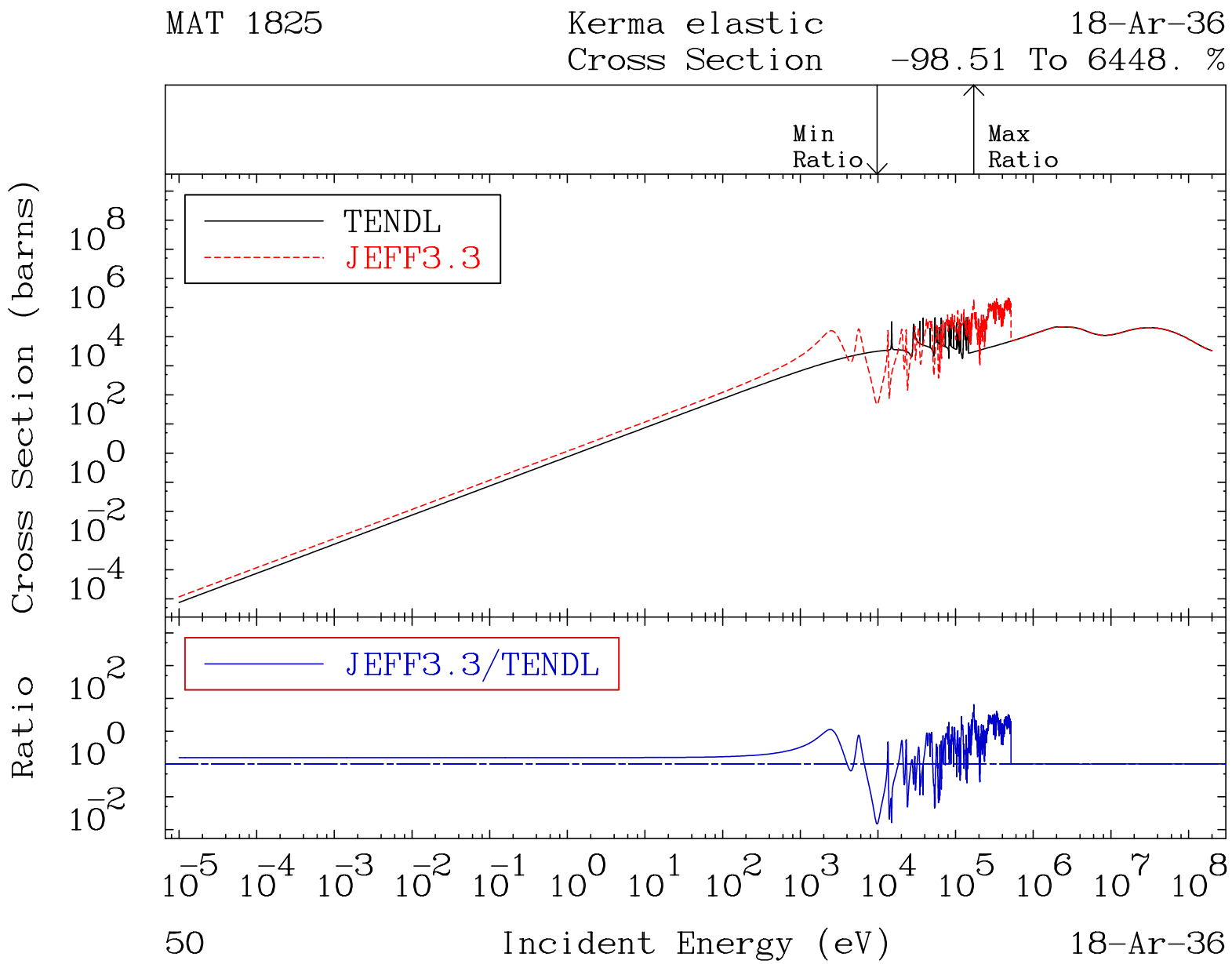

MAT 1825
Deuterium Production
18-Ar-36
Cross Section -17.81 To 44.23 %
Min Ratio
Max Ratio
TENDL Threshold 6.4586 MeV
JEFF3.3 Threshold 6.4586 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
1.6
1.2
0.8
7 8 10^7 2 3 4 5 6 7 8 10^8 2
45
Incident Energy (eV)
18-Ar-36

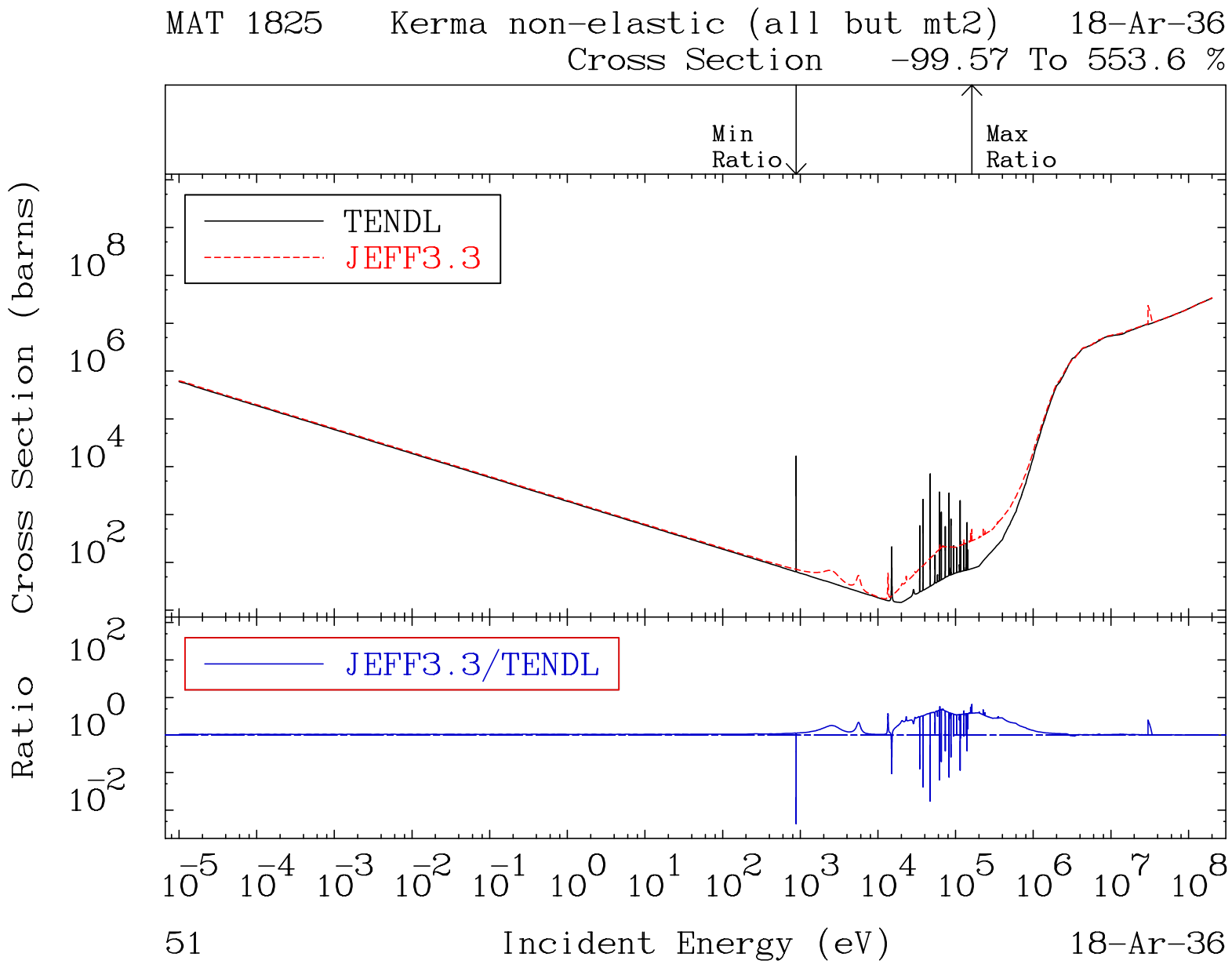

MAT 1825
Tritium Production
18-Ar-36
Cross Section
-18.50 To 124.6 %
Min Ratio
Max Ratio
TENDL Threshold 13.025 MeV
JEFF3.3 Threshold 13.025 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
18-Ar-36

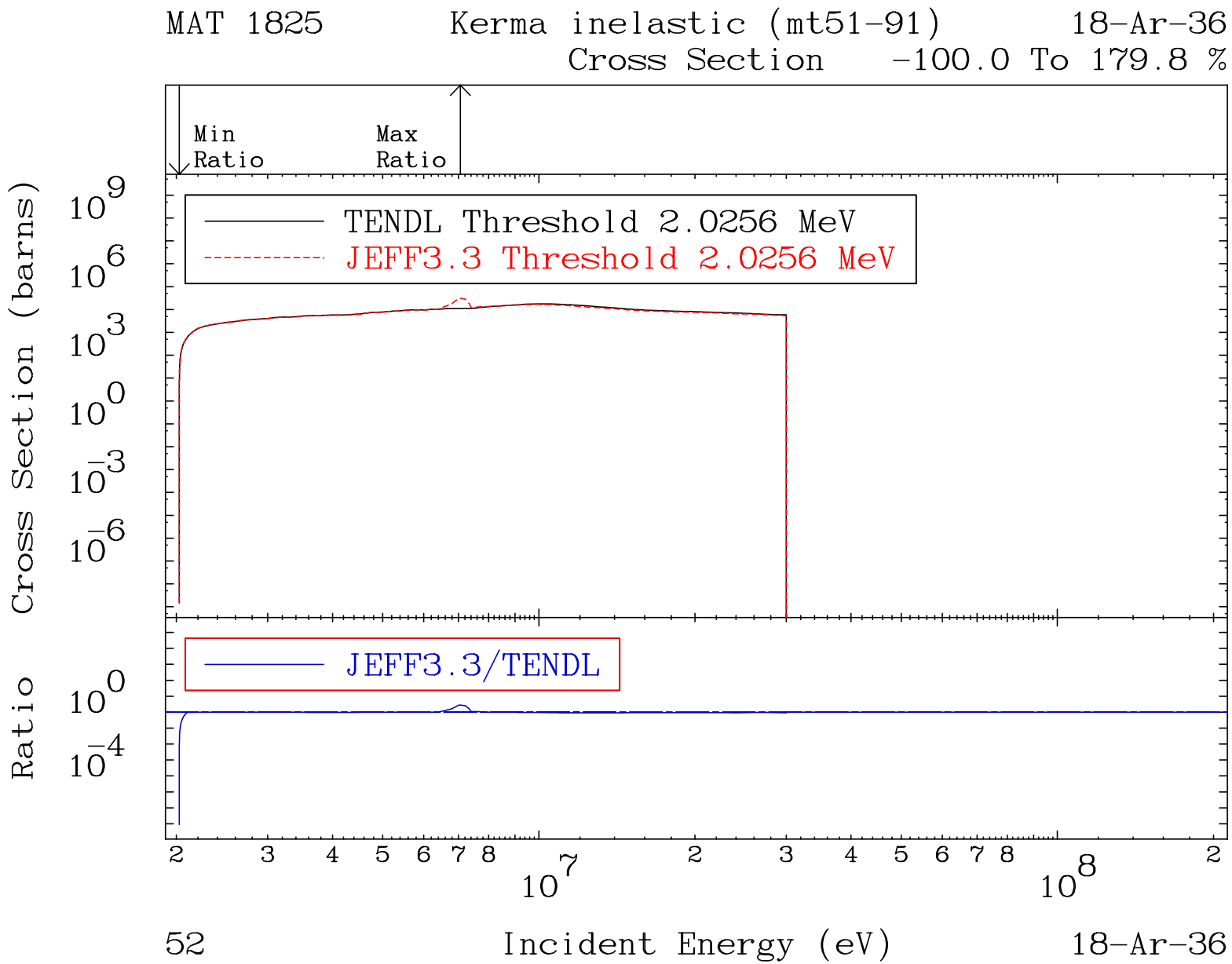

MAT 1825
He-3 Production
Cross Section
18-Ar-36
-28.06 To 13.32 %
Max Ratio
Min Ratio
TENDL Threshold 7.3605 MeV
JEFF3.3 Threshold 7.3605 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.2
1.0
0.8
8
10^7
2
3
4
5
6
7
8
10^8
2
47
Incident Energy (eV)
18-Ar-36

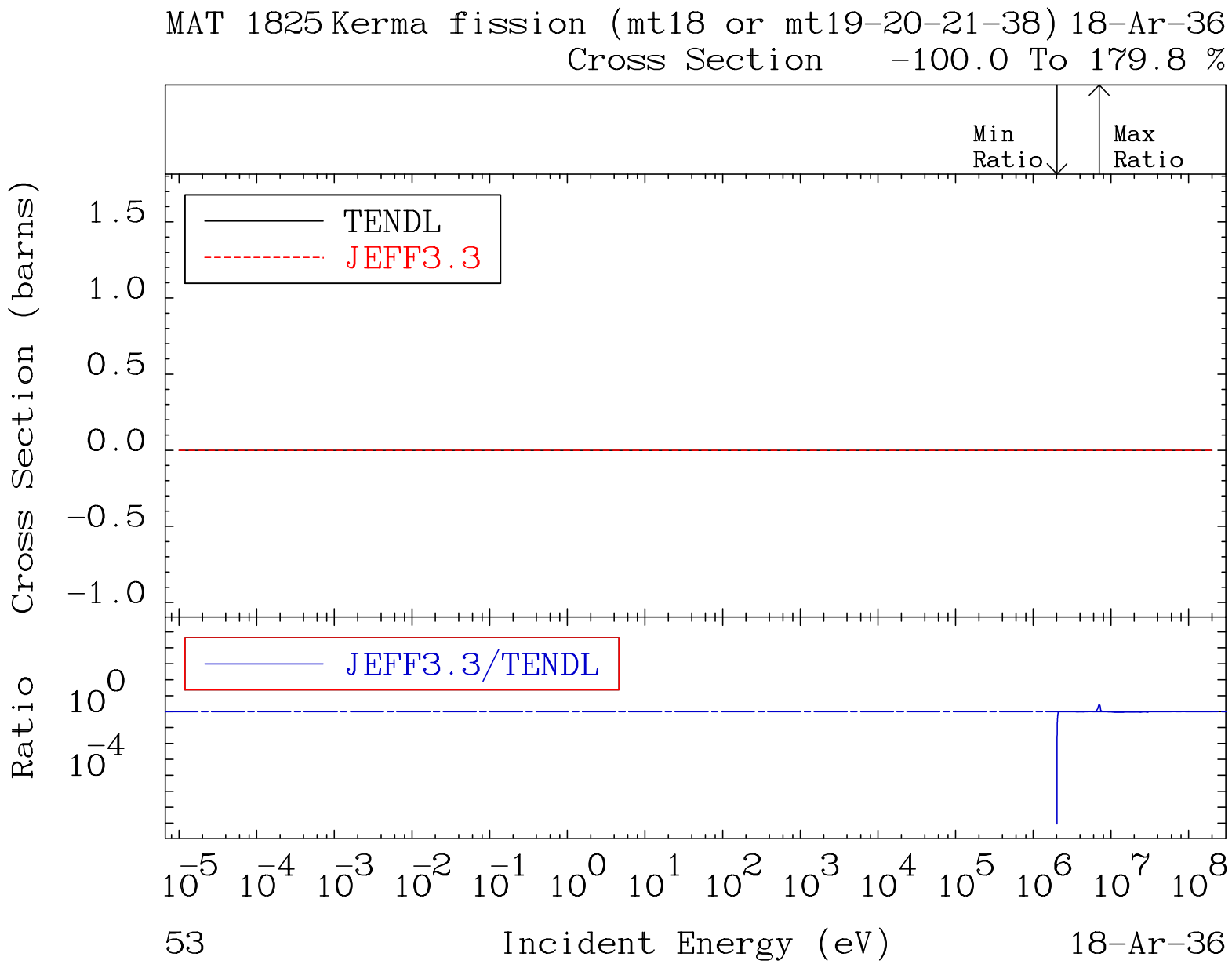

MAT 1825
He-4 Production
Cross Section
18-Ar-36
-4.050 To 364.3 %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
18-Ar-36

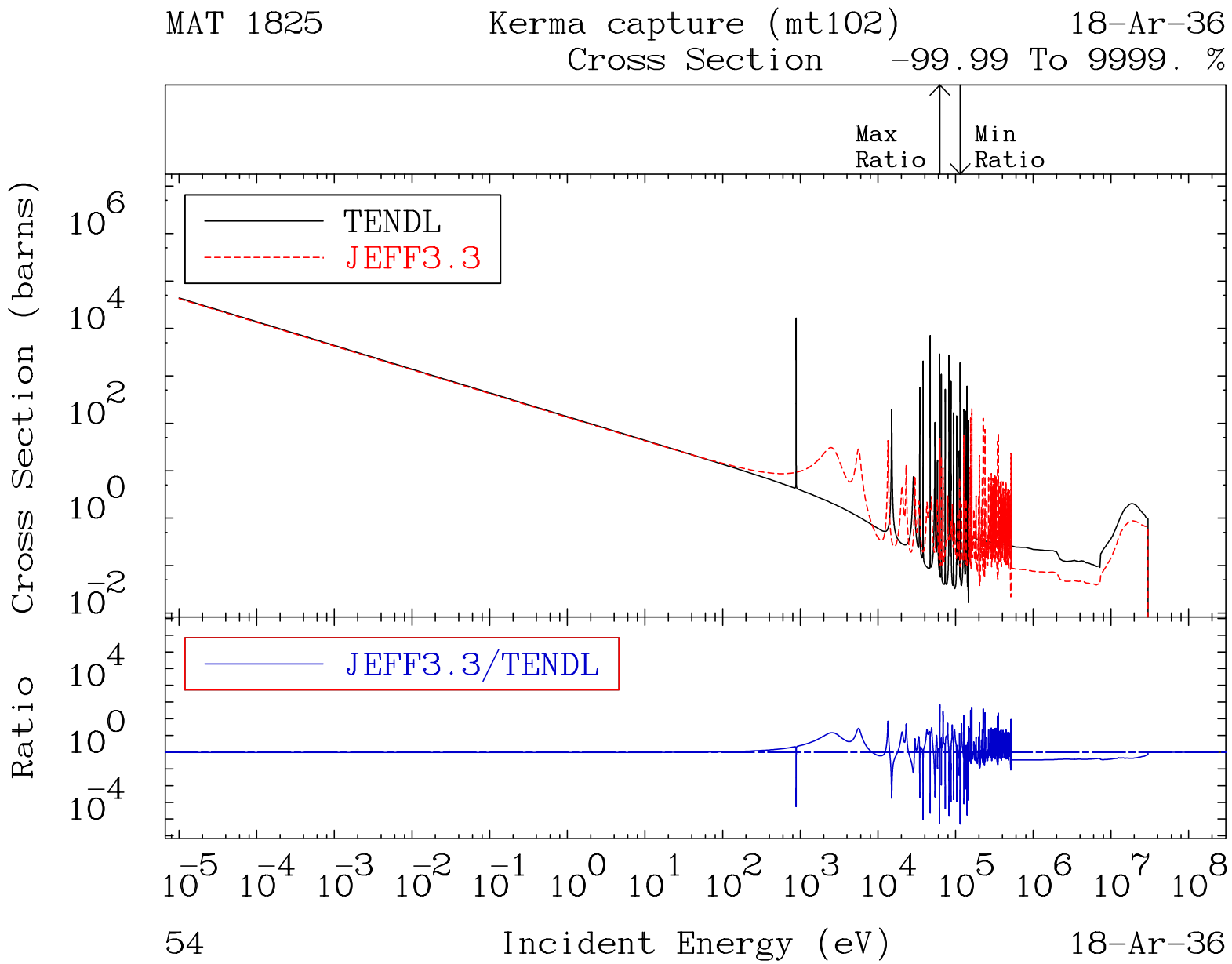

MAT 1825
Kerma total (eV-barns)
18-Ar-36
Cross Section -98.45 To 6432. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
18-Ar-36

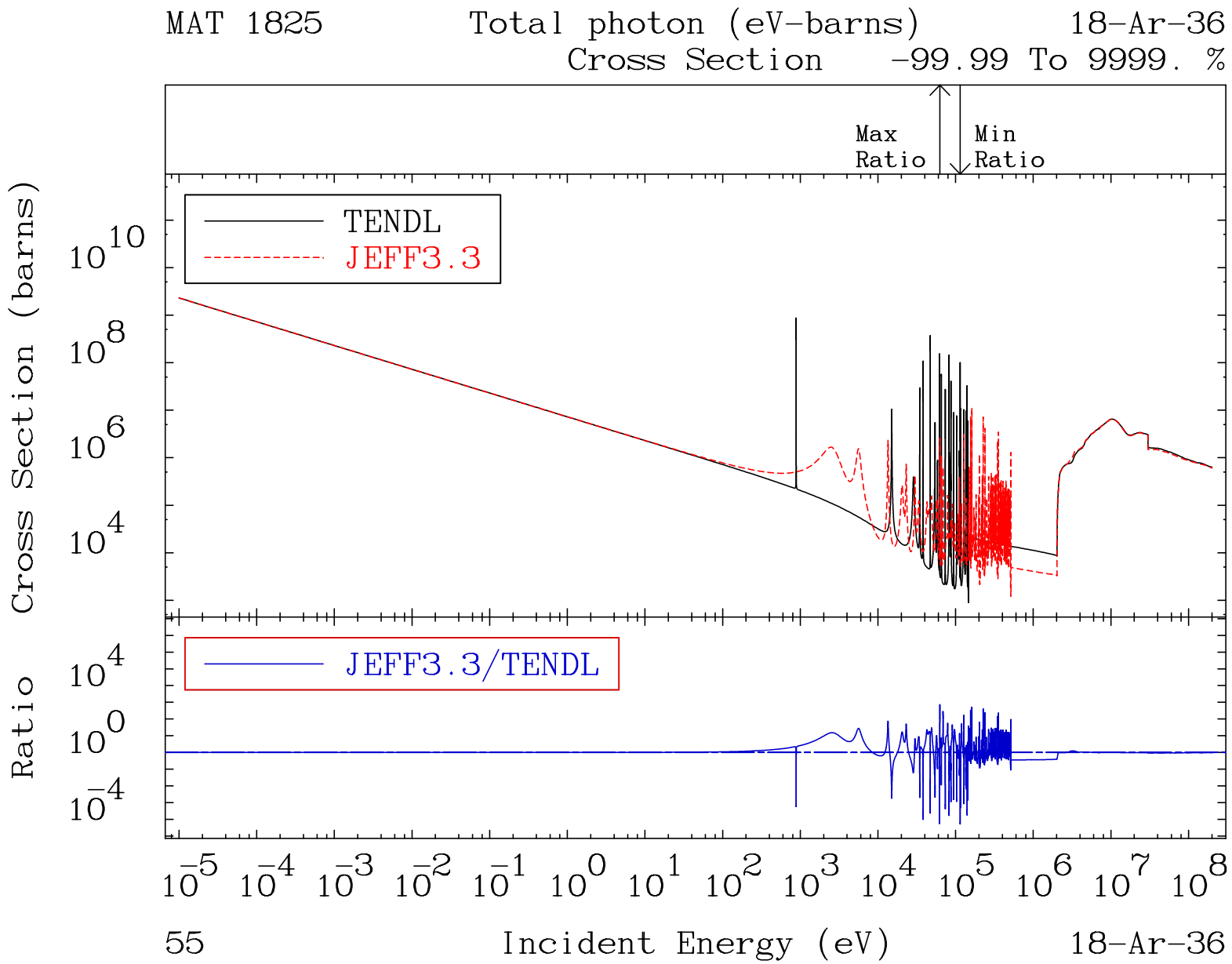

MAT 1825
Kerma elastic
Cross Section
18-Ar-36
-98.51 To 6448. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
18-Ar-36

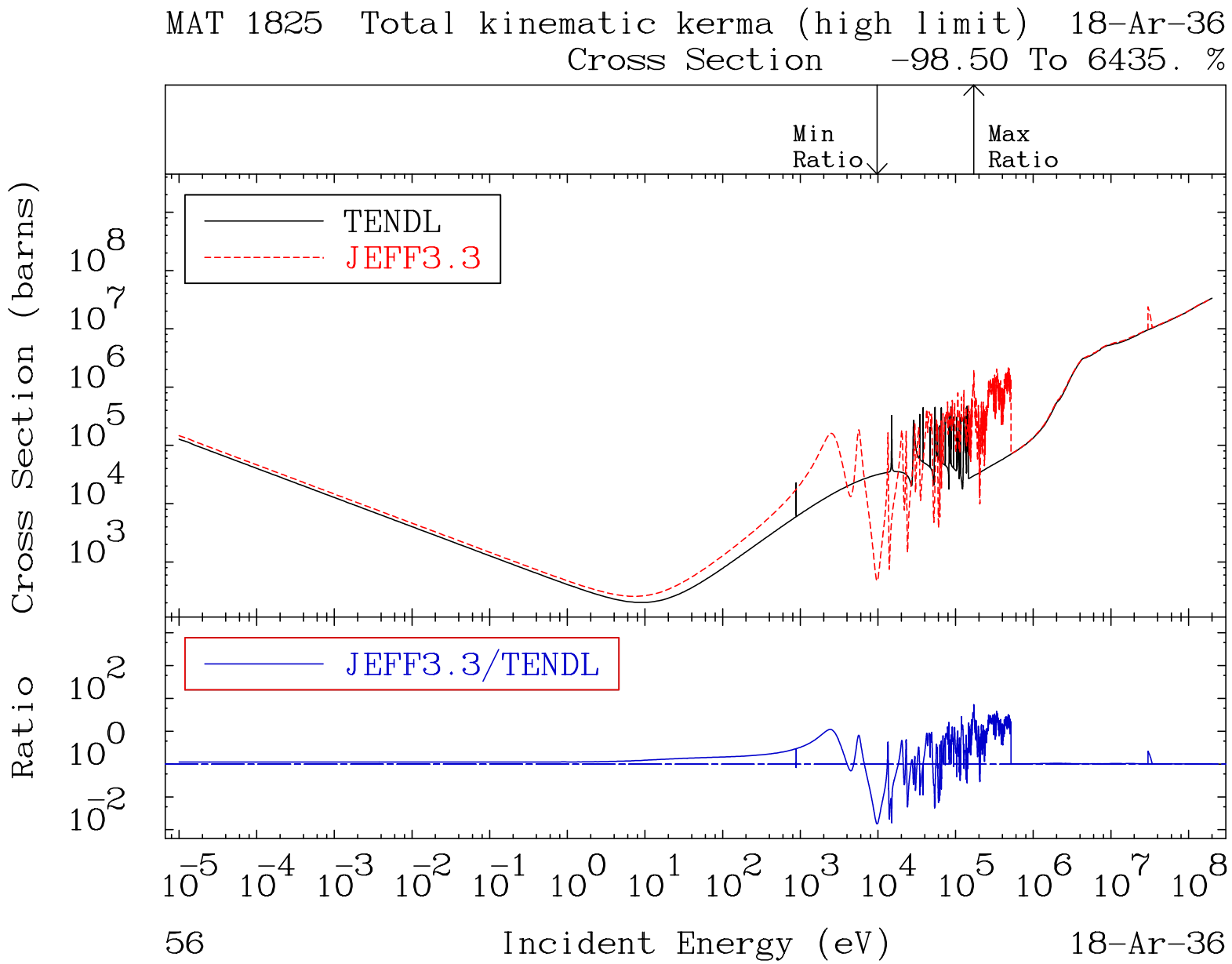

MAT 1825 Kerma non-elastic (all but mt2) 18-Ar-36
Cross Section -99.57 To 553.6 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
18-Ar-36

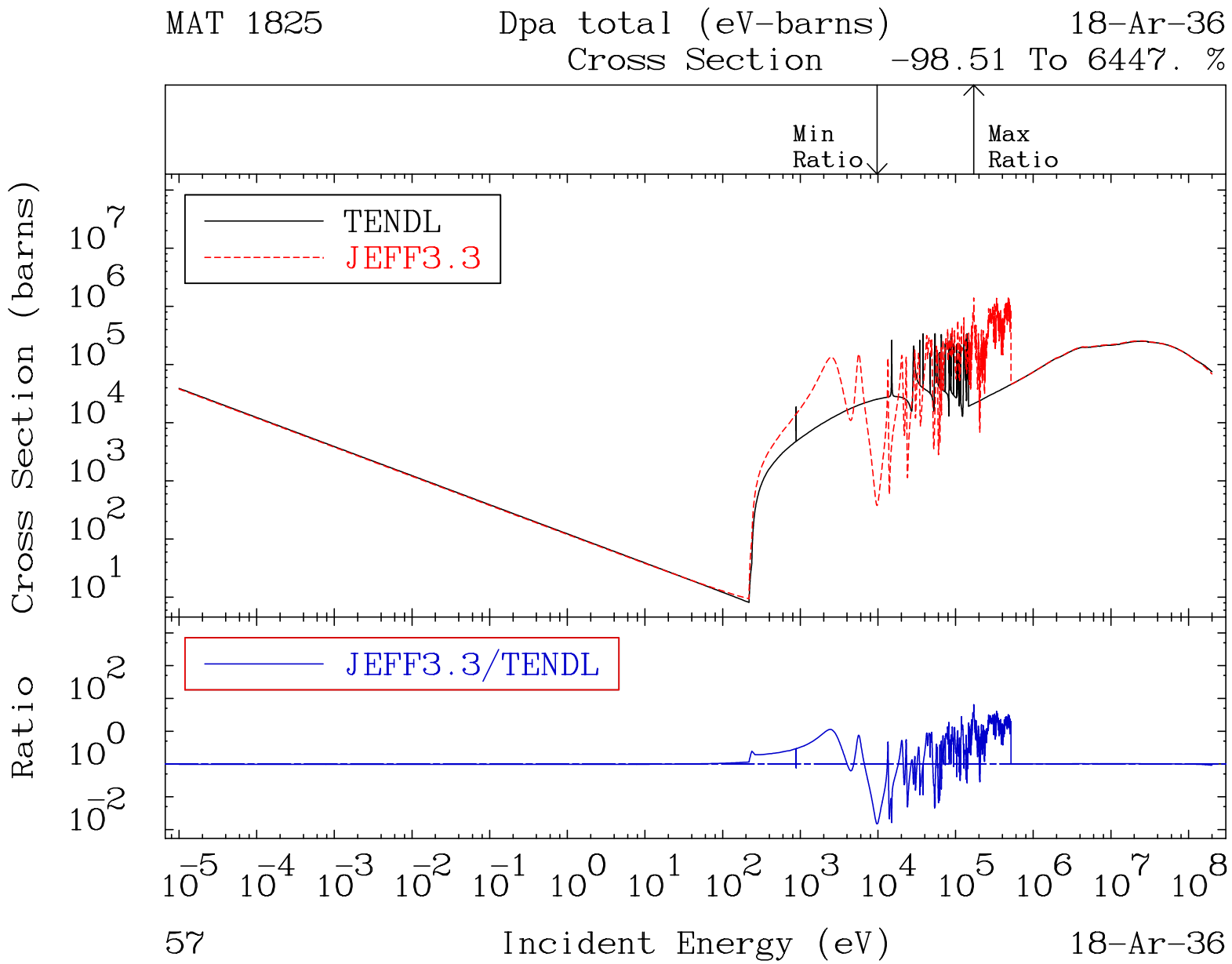

MAT 1825
Kerma inelastic (mt51-91)
18-Ar-36
Cross Section -100.0 To 179.8 %
Min Ratio
Max Ratio
TENDL Threshold 2.0256 MeV
JEFF3.3 Threshold 2.0256 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
18-Ar-36

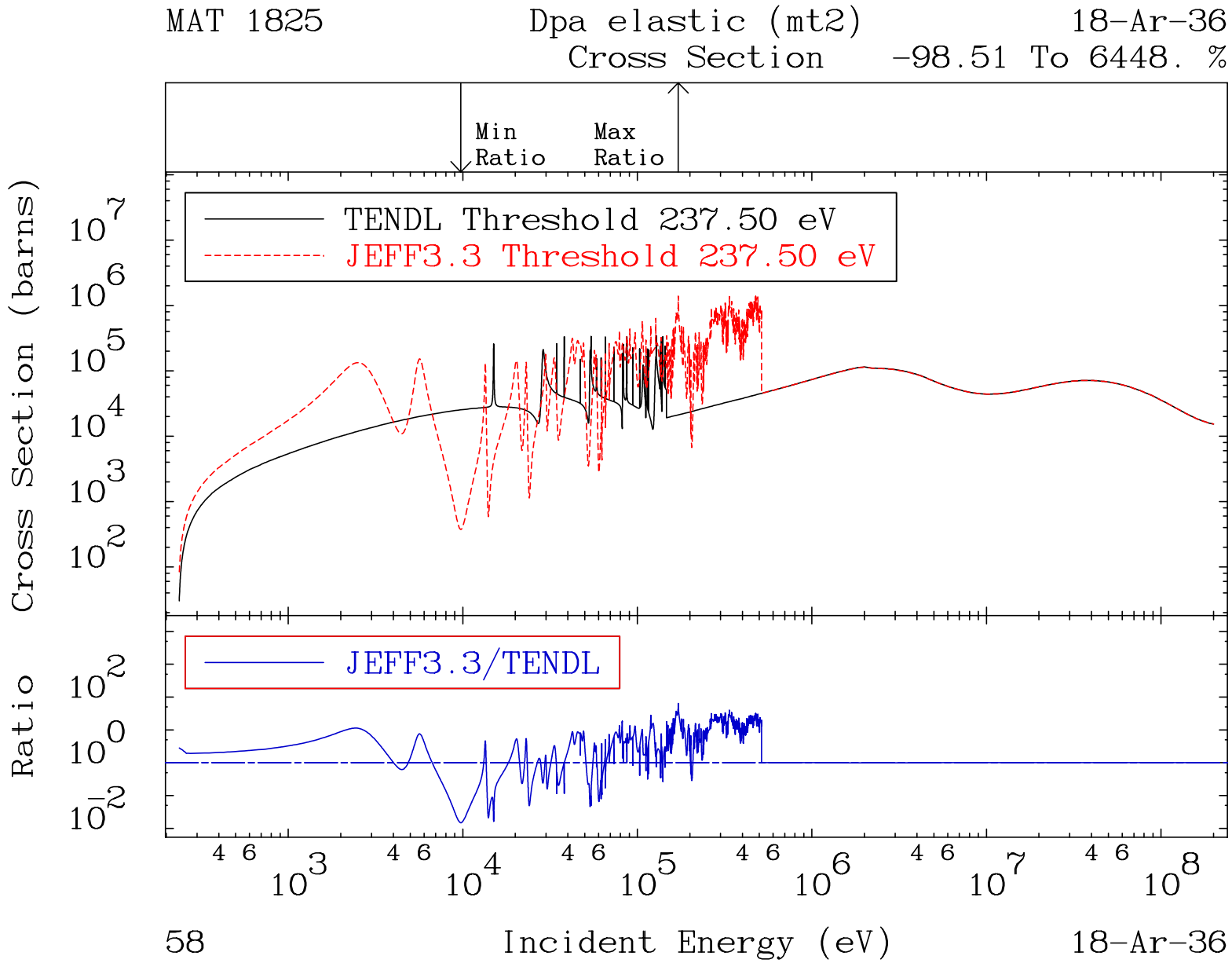

MAT 1825 Kerma fission (mt18 or mt19-20-21-38) 18-Ar-36
Cross Section -100.0 To 179.8 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{0}
10^{-4}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
53
Incident Energy (eV)
18-Ar-36

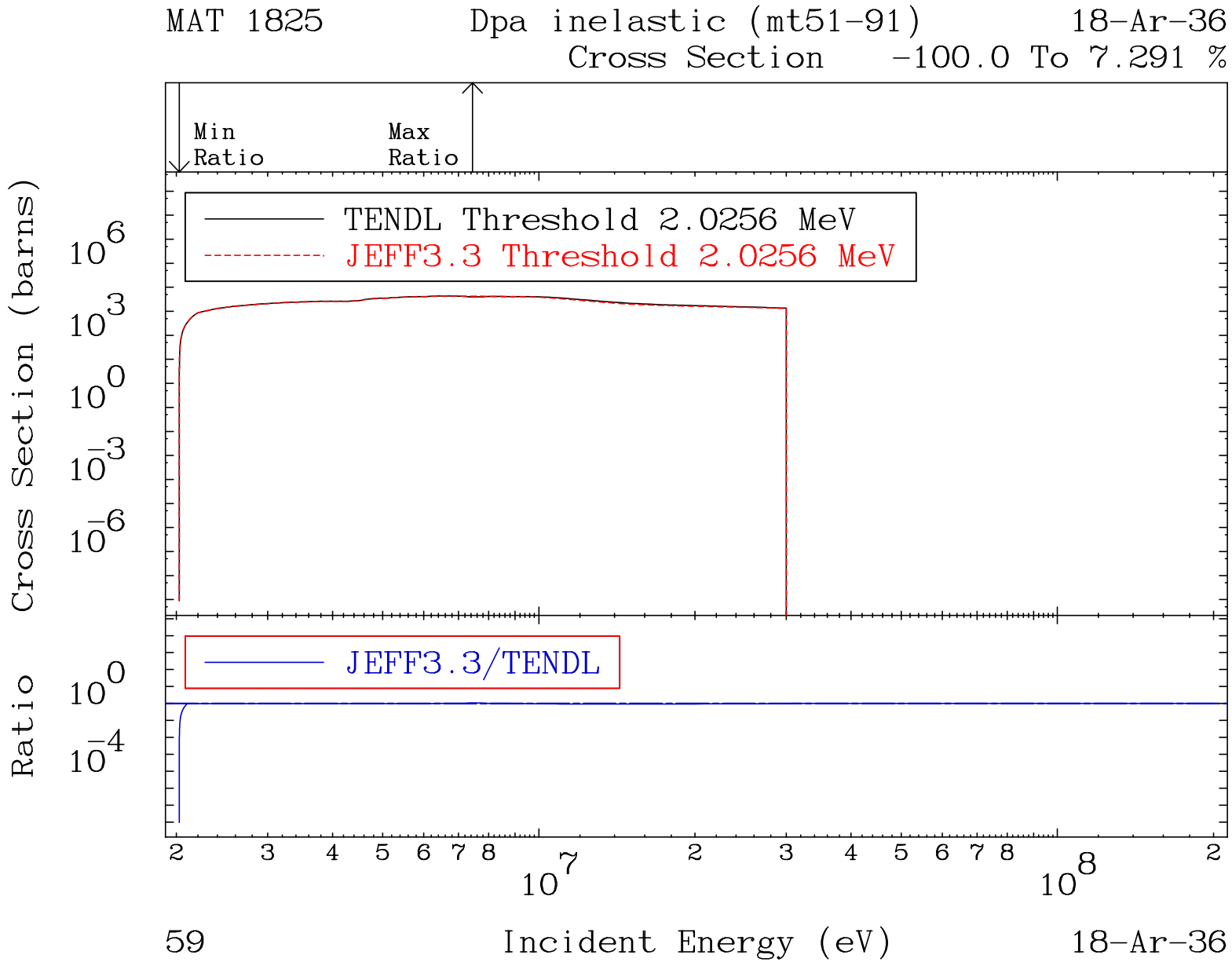

MAT 1825
Kerma capture (mt102)
18-Ar-36
Cross Section -99.99 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
18-Ar-36

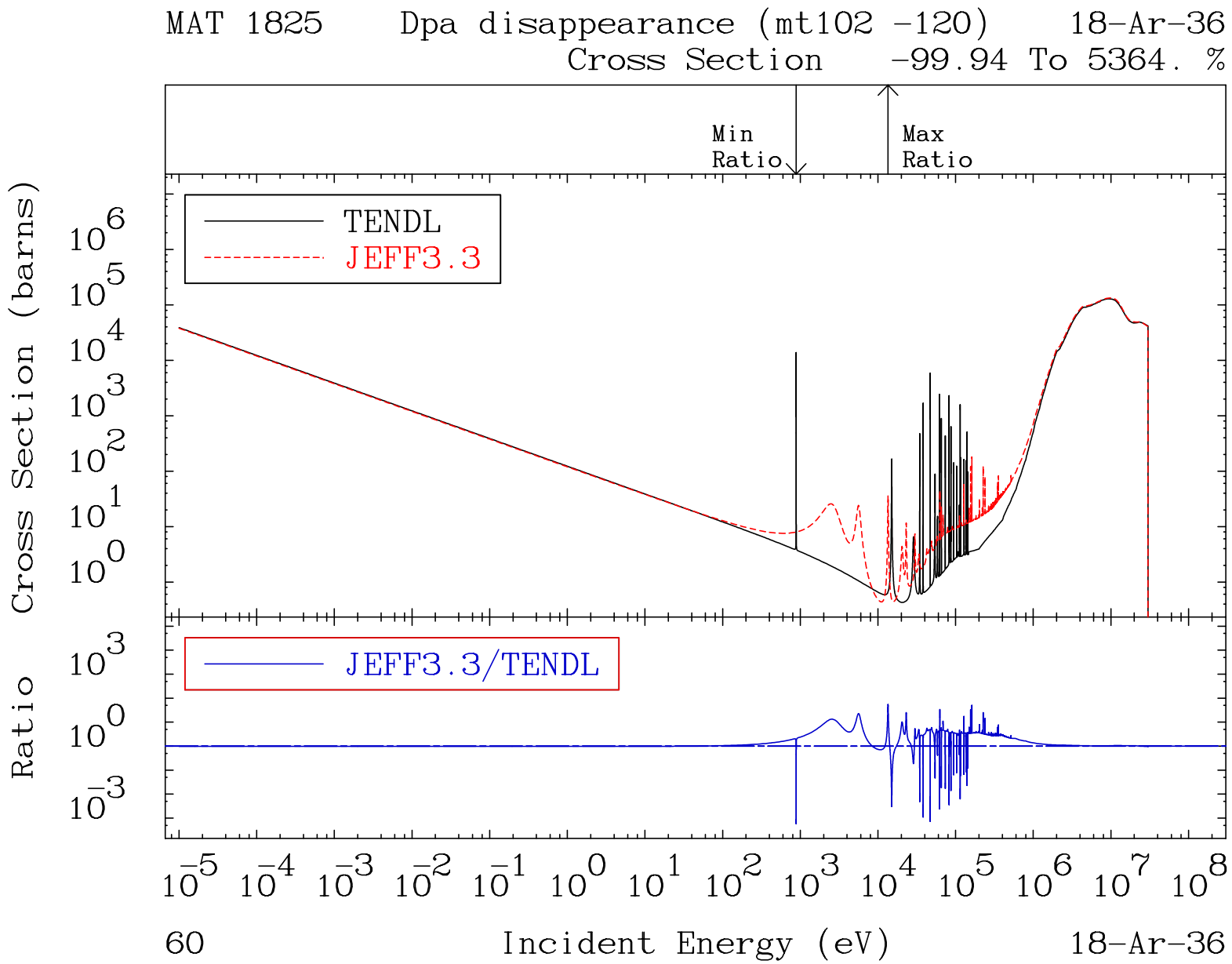

MAT 1825
Total photon (eV-barns)
18-Ar-36
Cross Section -99.99 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
18-Ar-36

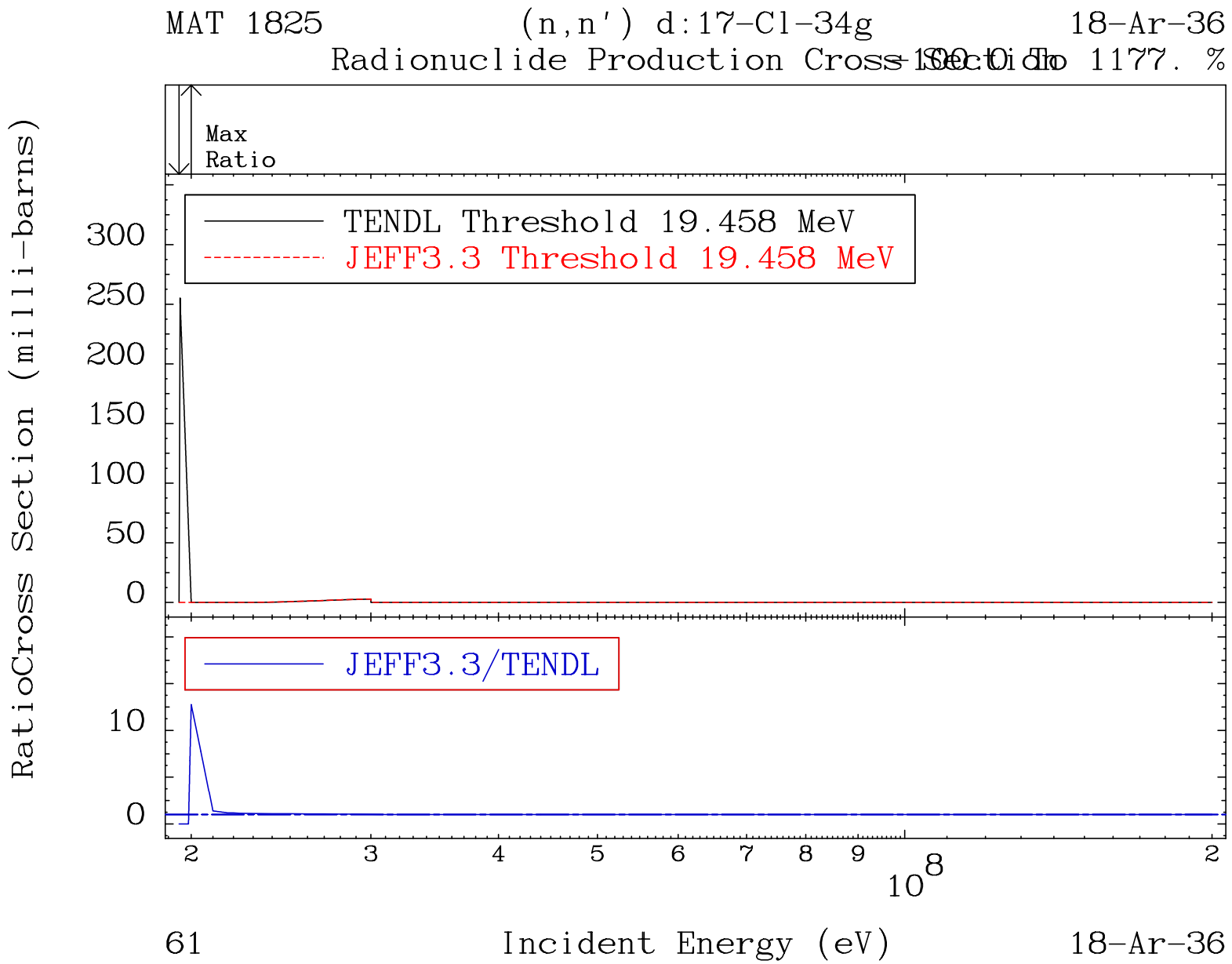

MAT 1825 Total kinematic kerma (high limit) 18-Ar-36
Cross Section -98.50 To 6435. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
18-Ar-36

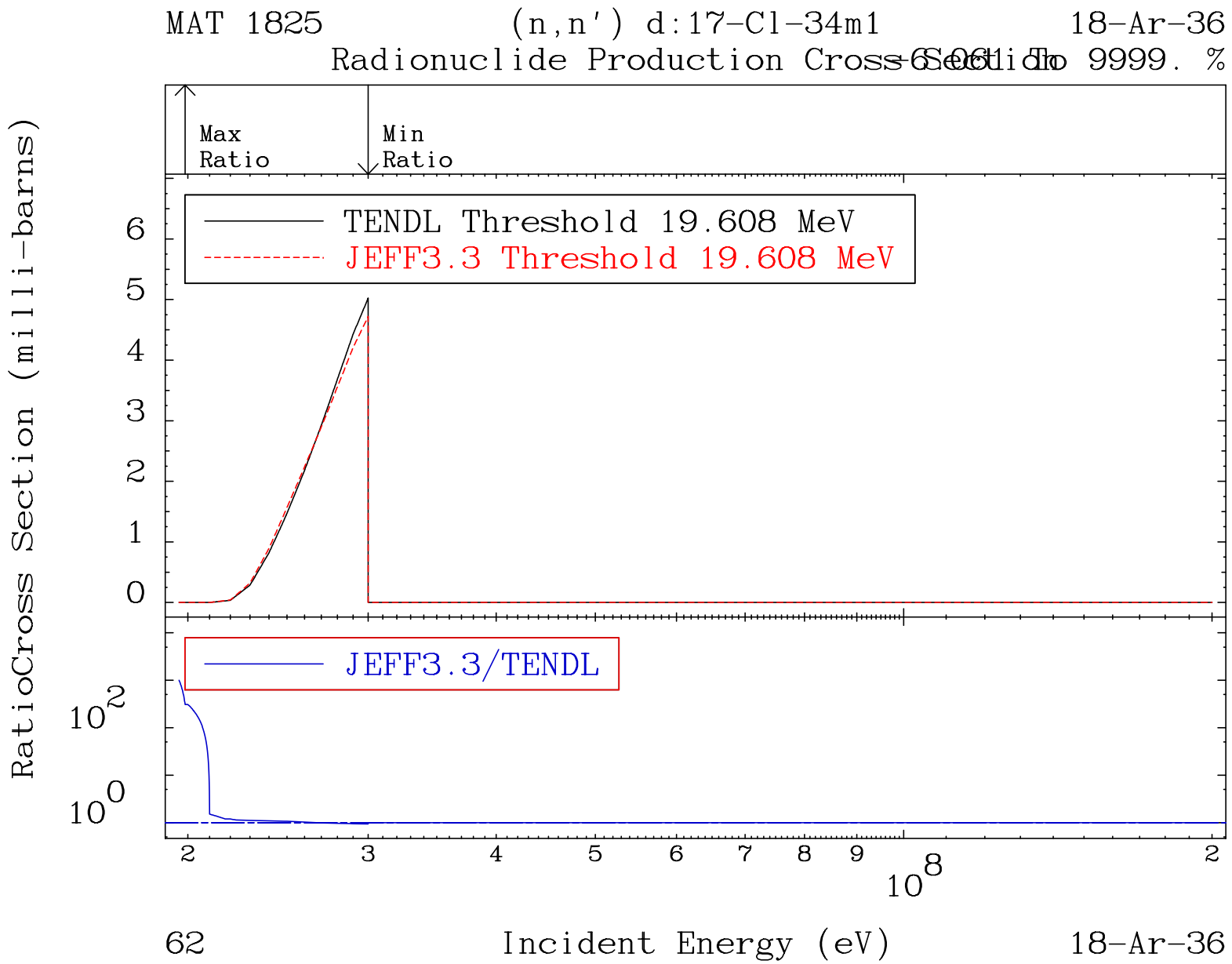

MAT 1825
Dpa total (eV-barns)
18-Ar-36
Cross Section
-98.51 To 6447. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
18-Ar-36

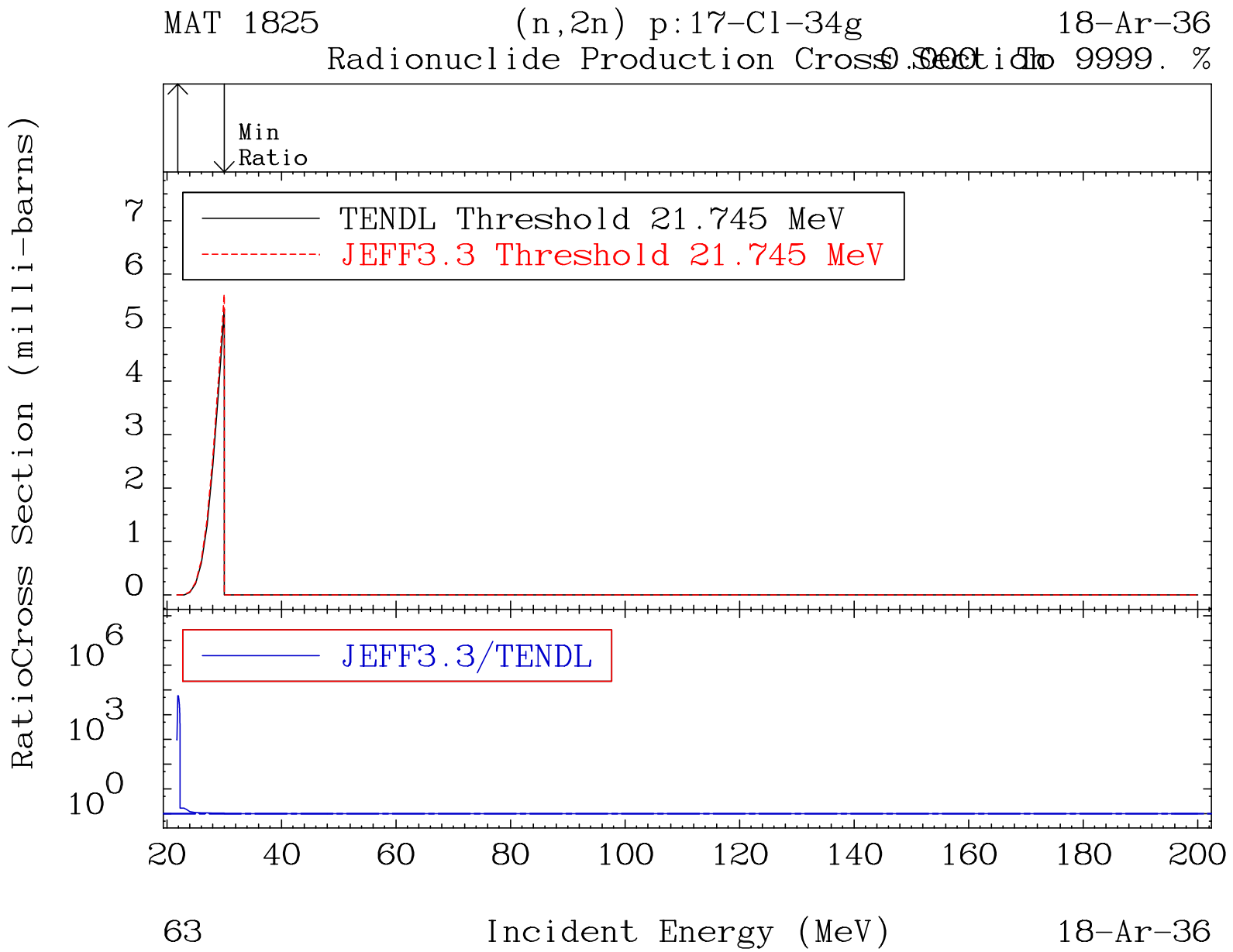

MAT 1825
Dpa elastic (mt2)
Cross Section
18-Ar-36
-98.51 To 6448. %
Min Ratio
Max Ratio
TENDL Threshold 237.50 eV
JEFF3.3 Threshold 237.50 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
18-Ar-36

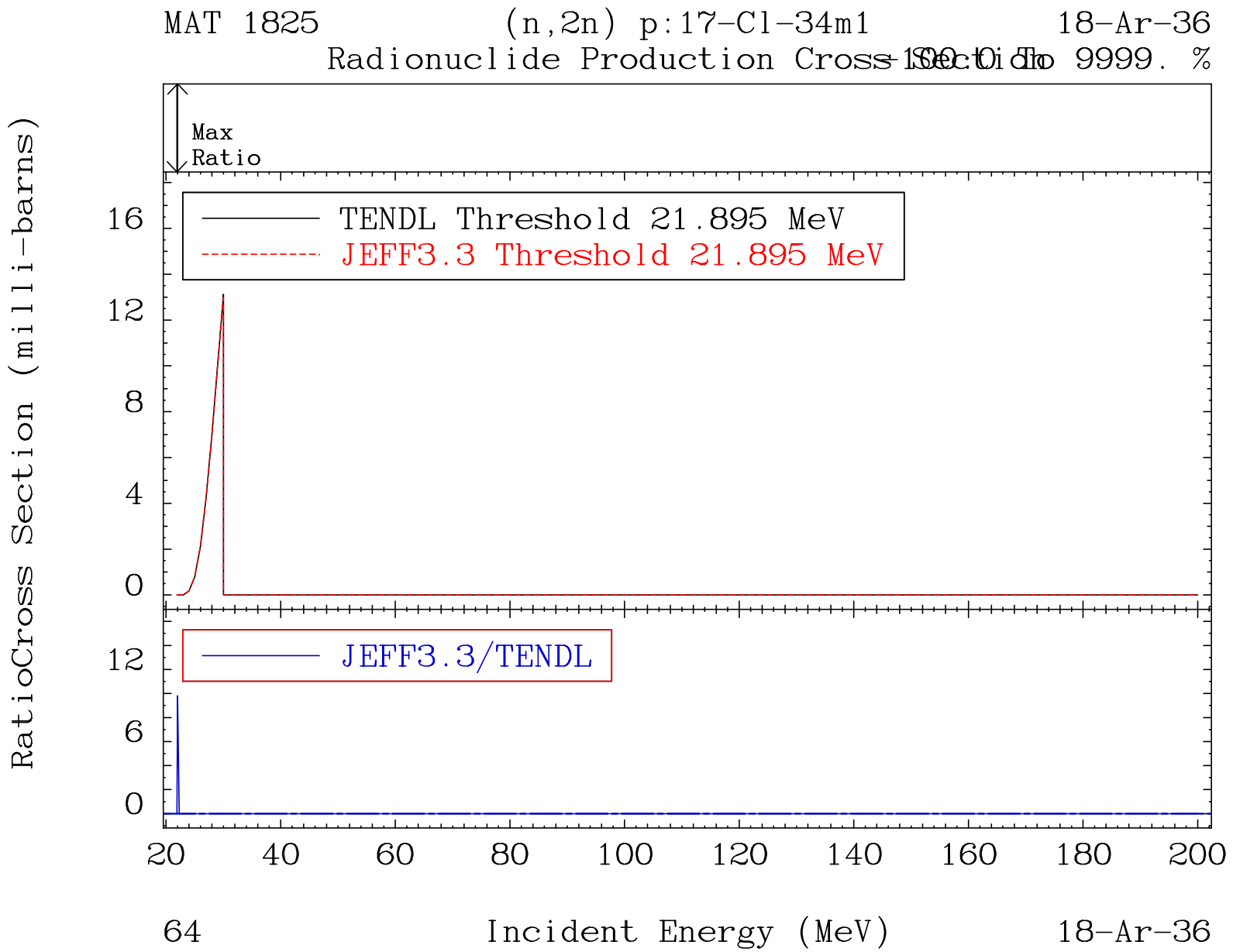

MAT 1825
Dpa inelastic (mt51-91)
18-Ar-36
Cross Section -100.0 To 7.291 %
Min Ratio
Max Ratio
TENDL Threshold 2.0256 MeV
JEFF3.3 Threshold 2.0256 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
18-Ar-36

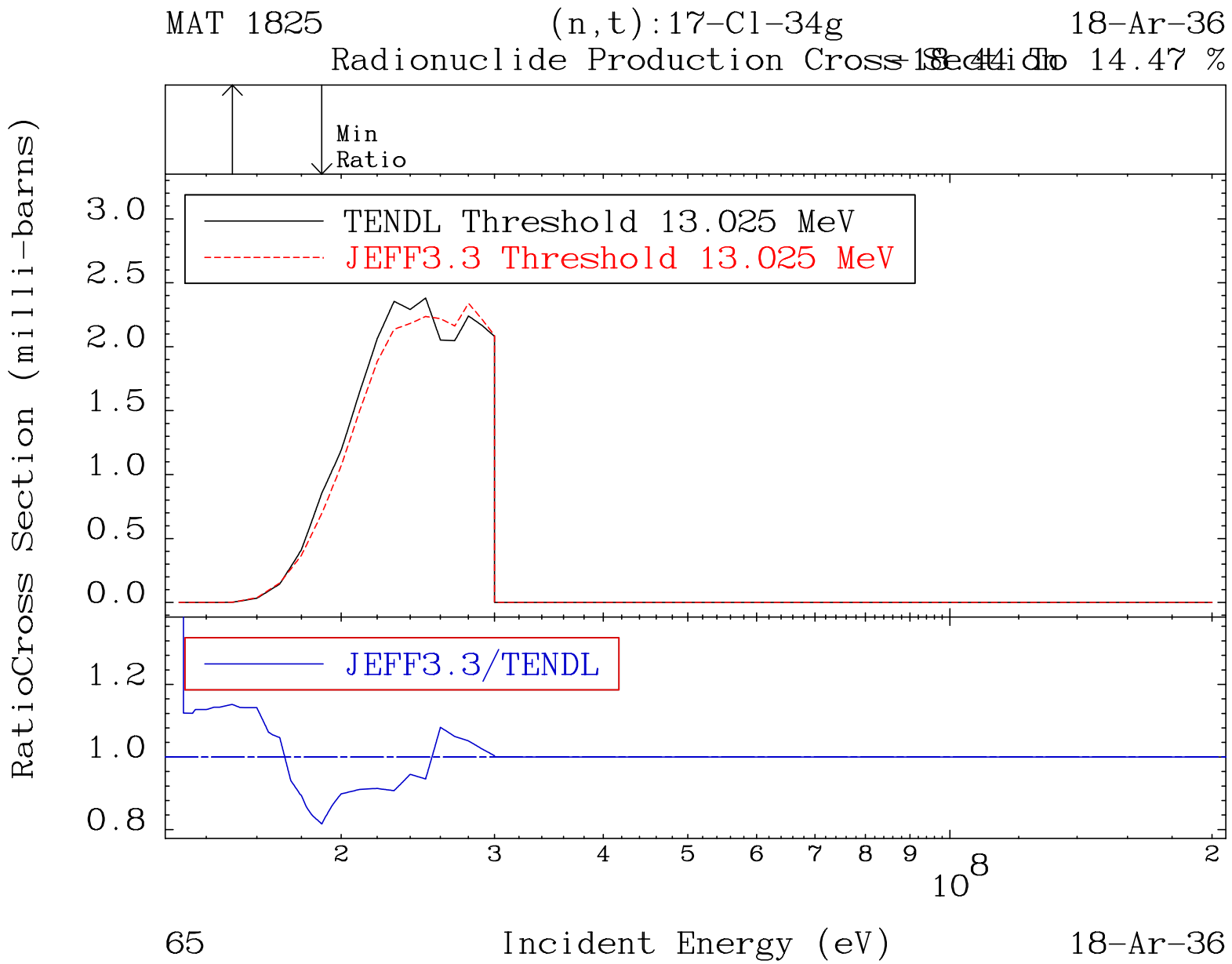

MAT 1825 Dpa disappearance (mt102 -120) 18-Ar-36
Cross Section -99.94 To 5364. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
18-Ar-36

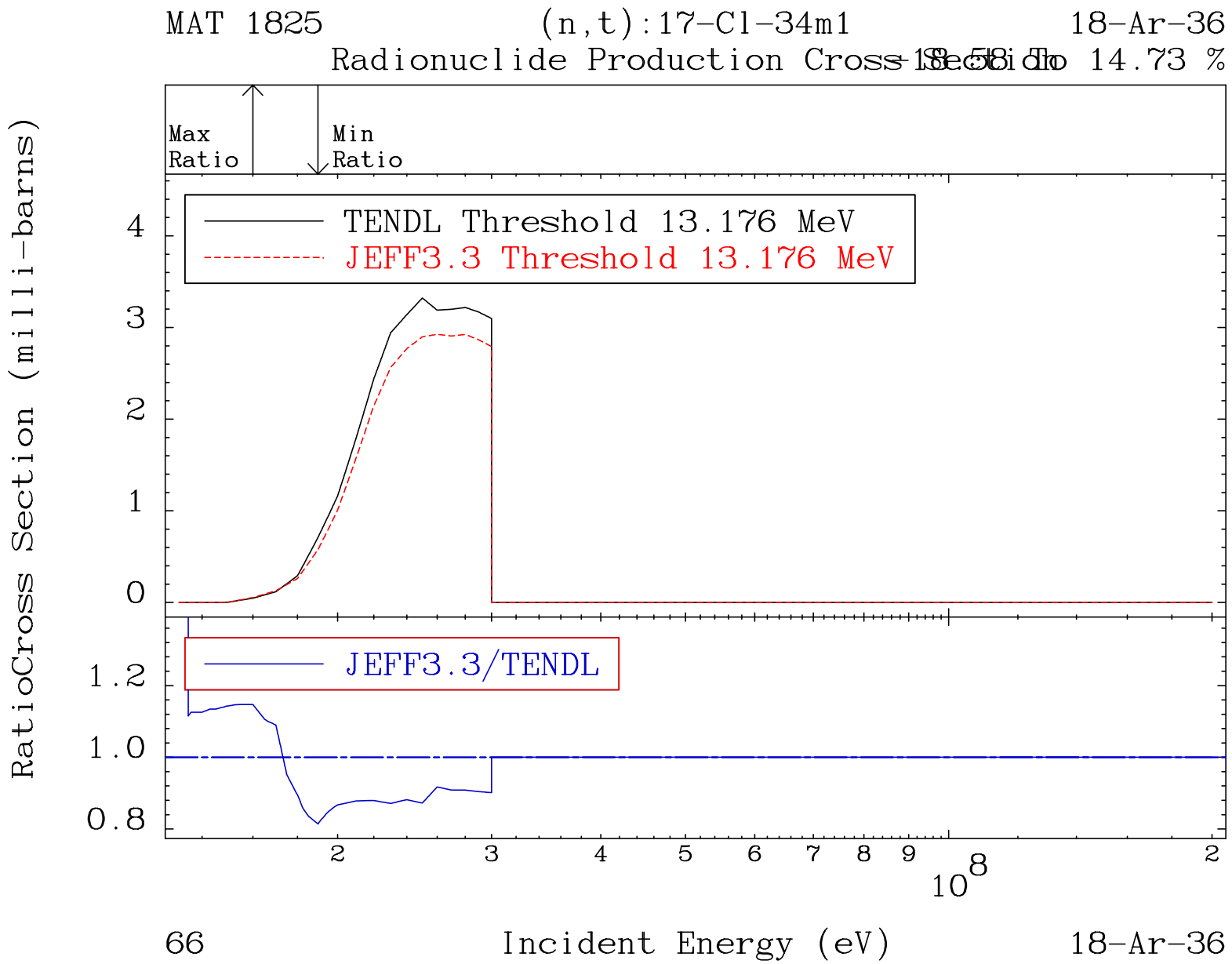

MAT 1825
(n,n') d:17-Cl-34g
18-Ar-36
Radionuclide Production Cross Section To 1177. %
Max
Ratio
TENDL Threshold 19.458 MeV
JEFF3.3 Threshold 19.458 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
10
0
2
3
4
5
6
7
8
9
10^8
2
61
Incident Energy (eV)
18-Ar-36


MAT 1825
(n,n') d:17-Cl-34m1
18-Ar-36
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 19.608 MeV
JEFF3.3 Threshold 19.608 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
62
18-Ar-36


MAT 1825
(n,2n) p:17-Cl-34g
18-Ar-36
Radionuclide Production Cross Section
0.000 To 9999. %
Min
Ratio
TENDL Threshold 21.745 MeV
JEFF3.3 Threshold 21.745 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
6
7
10^6
10^3
10^0
20
40
60
80
100
120
140
160
180
200
63
Incident Energy (MeV)
18-Ar-36


MAT 1825
(n,2n) p:17-Cl-34m1
18-Ar-36
Radionuclide Production Cross Section
Uncertainty To 9999. %
Max
Ratio
TENDL Threshold 21.895 MeV
JEFF3.3 Threshold 21.895 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
12
6
0
20
40
60
80
100
120
140
160
180
200
64
Incident Energy (MeV)
18-Ar-36


MAT 1825
(n,t):17-Cl-34g
18-Ar-36
Radionuclide Production Cross Section To 14.47 %
Min
Ratio
TENDL Threshold 13.025 MeV
JEFF3.3 Threshold 13.025 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.2
1.0
0.8
2
3
4
5
6
7
8
9
10^8
2
65
Incident Energy (eV)
18-Ar-36


MAT 1825
(n,t):17-Cl-34m1
18-Ar-36
Radionuclide Production Cross Section To 14.73 %
Max Ratio
Min Ratio
TENDL Threshold 13.176 MeV
JEFF3.3 Threshold 13.176 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
66
18-Ar-36