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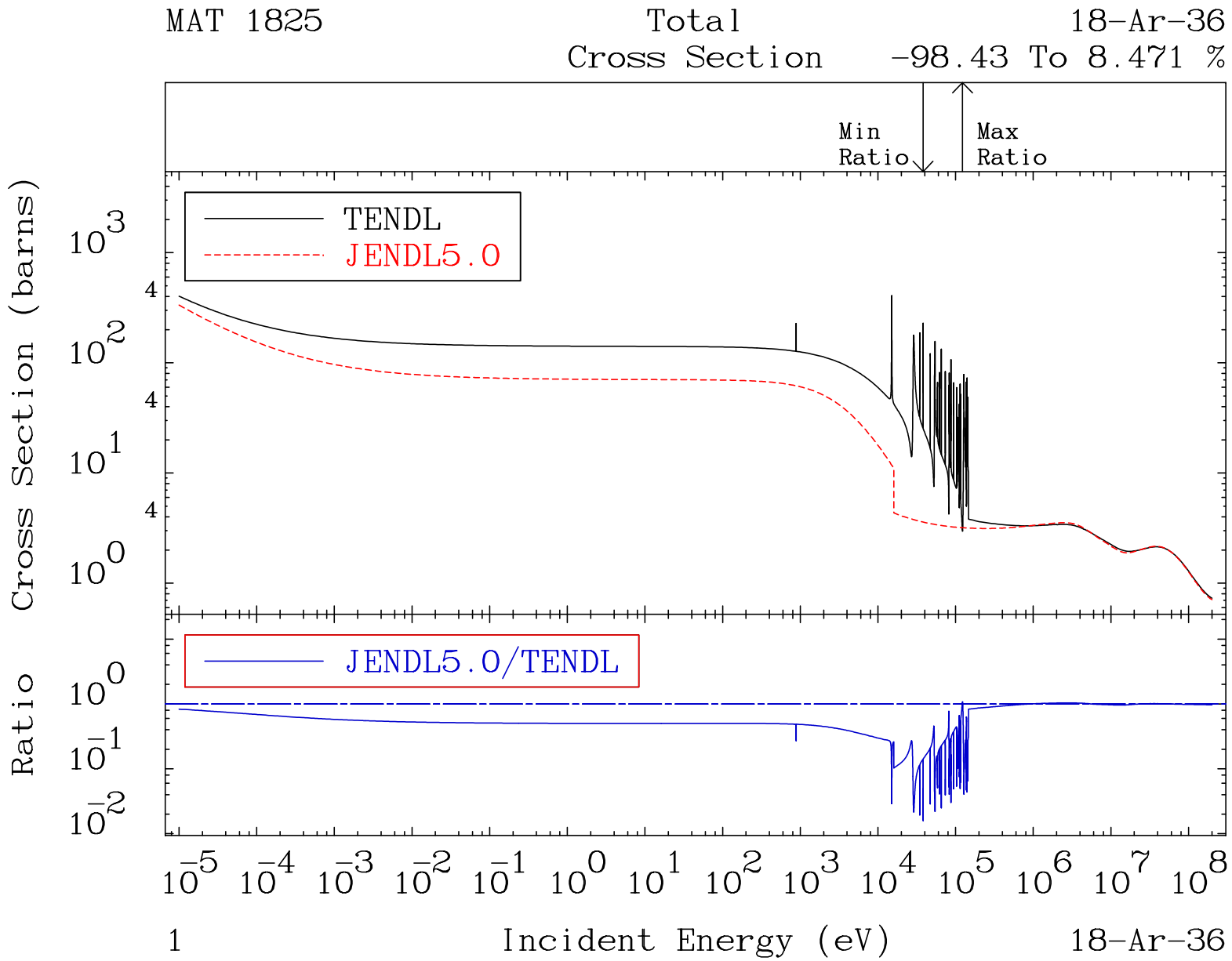
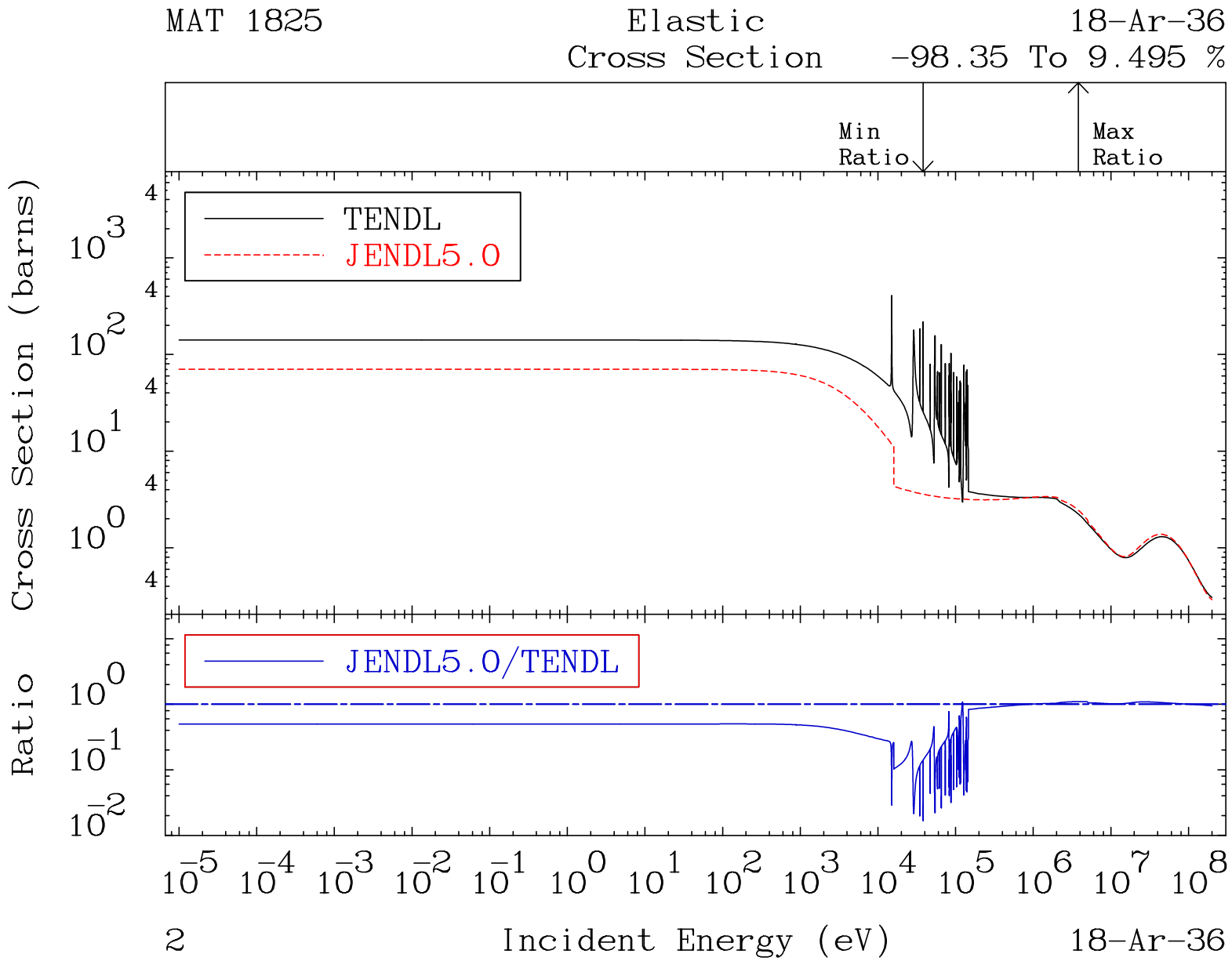
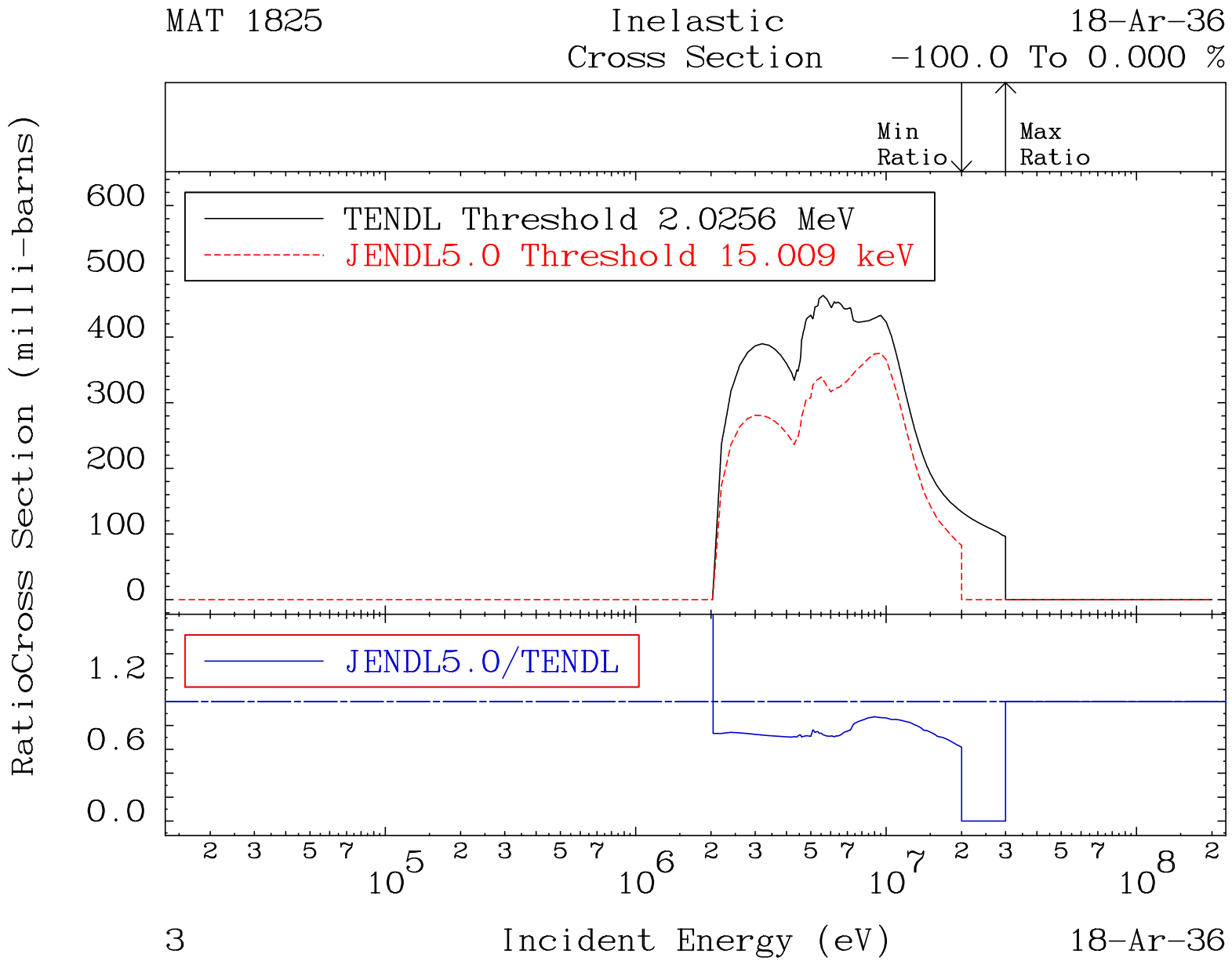
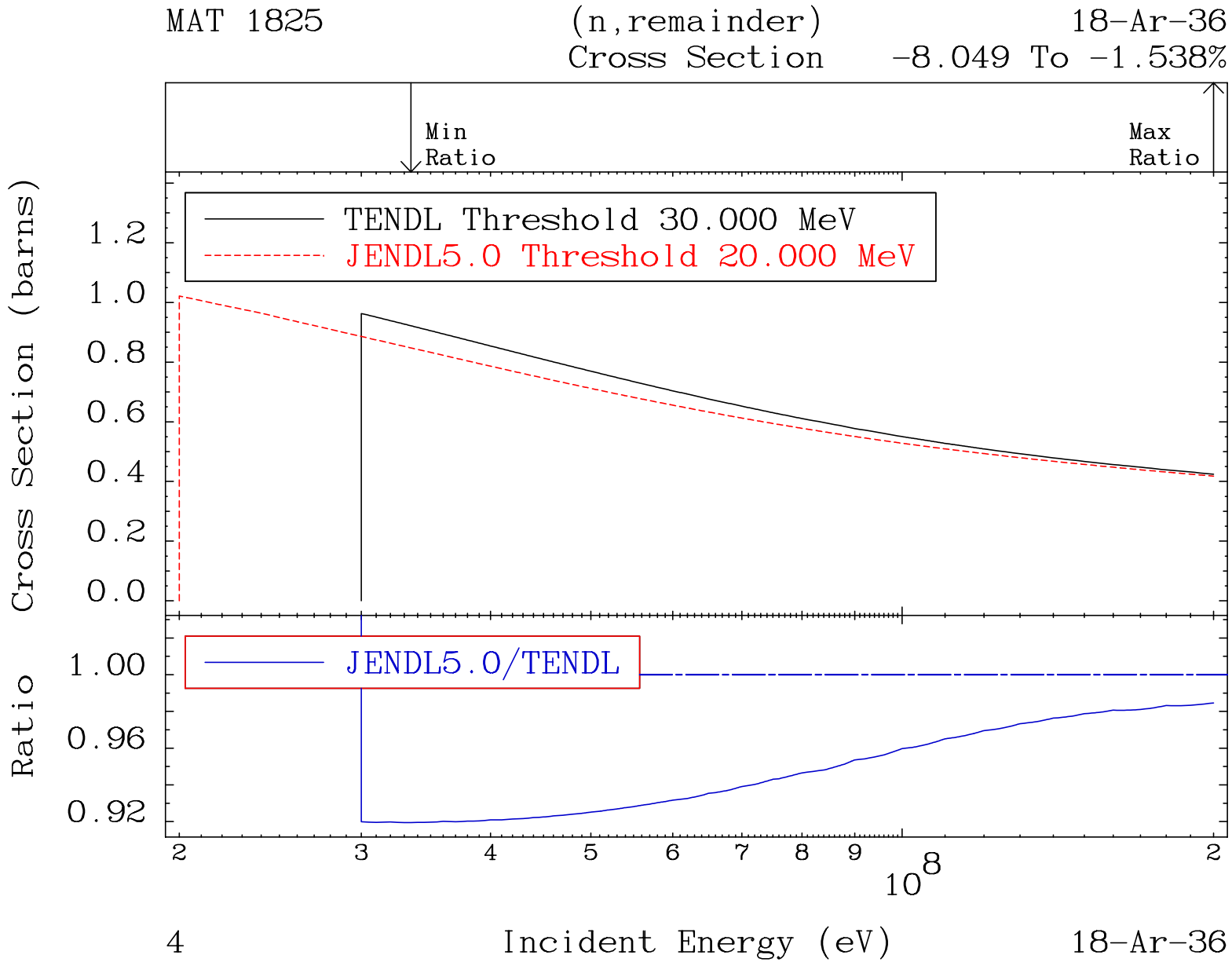
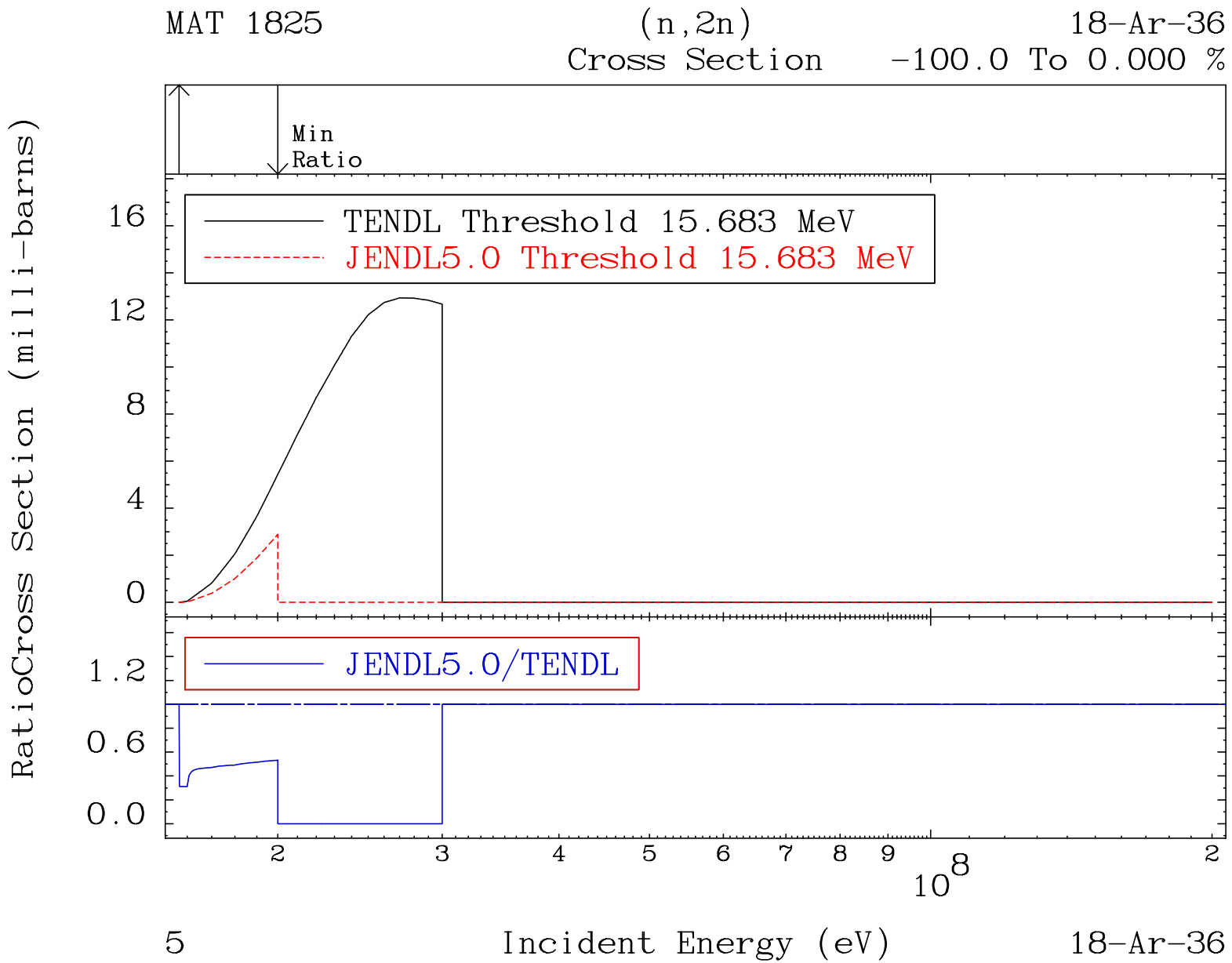
Press Mouse Button to Start

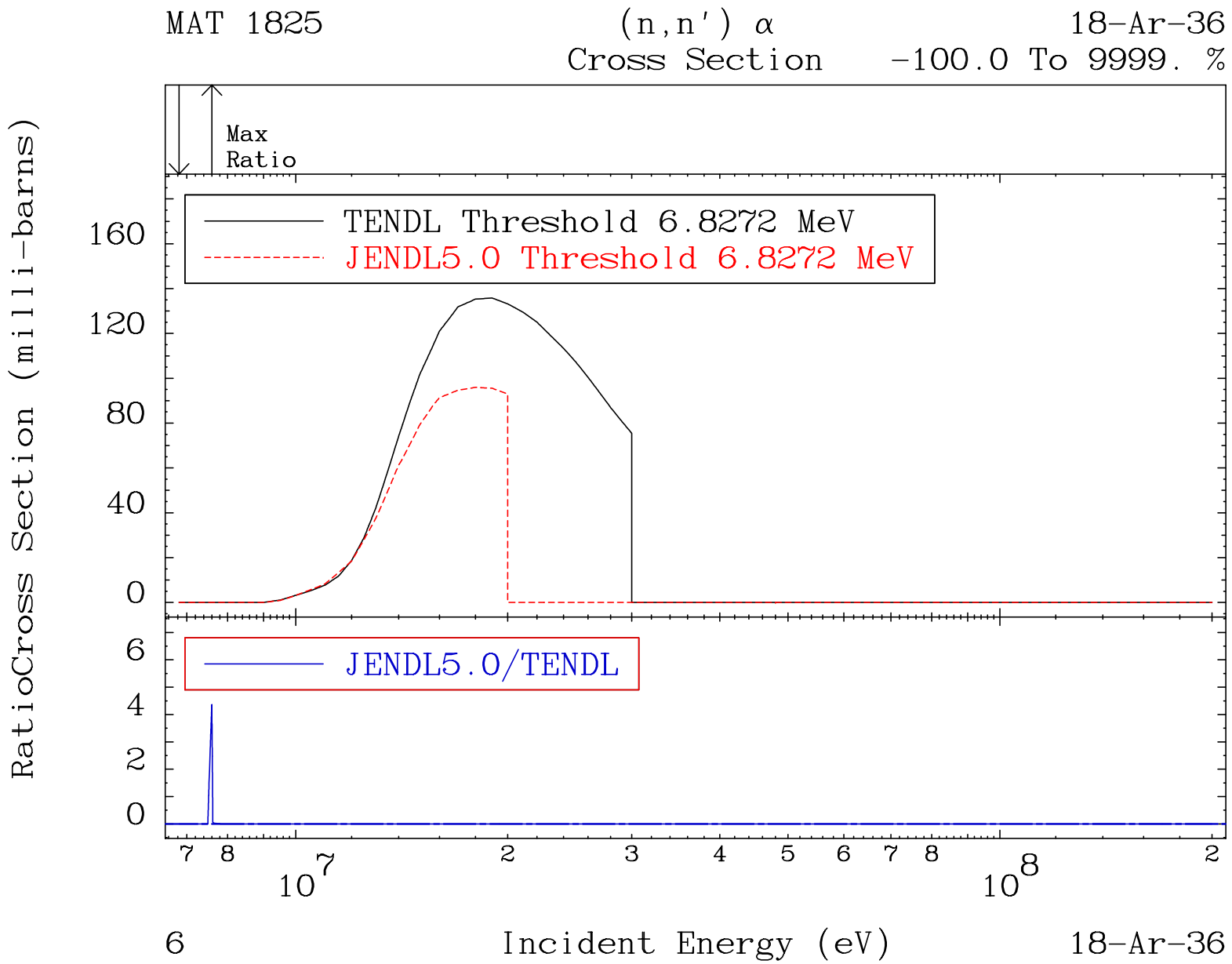

MAT 1825
Total
Cross Section
18-Ar-36
-98.43 To 8.471 %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
18-Ar-36

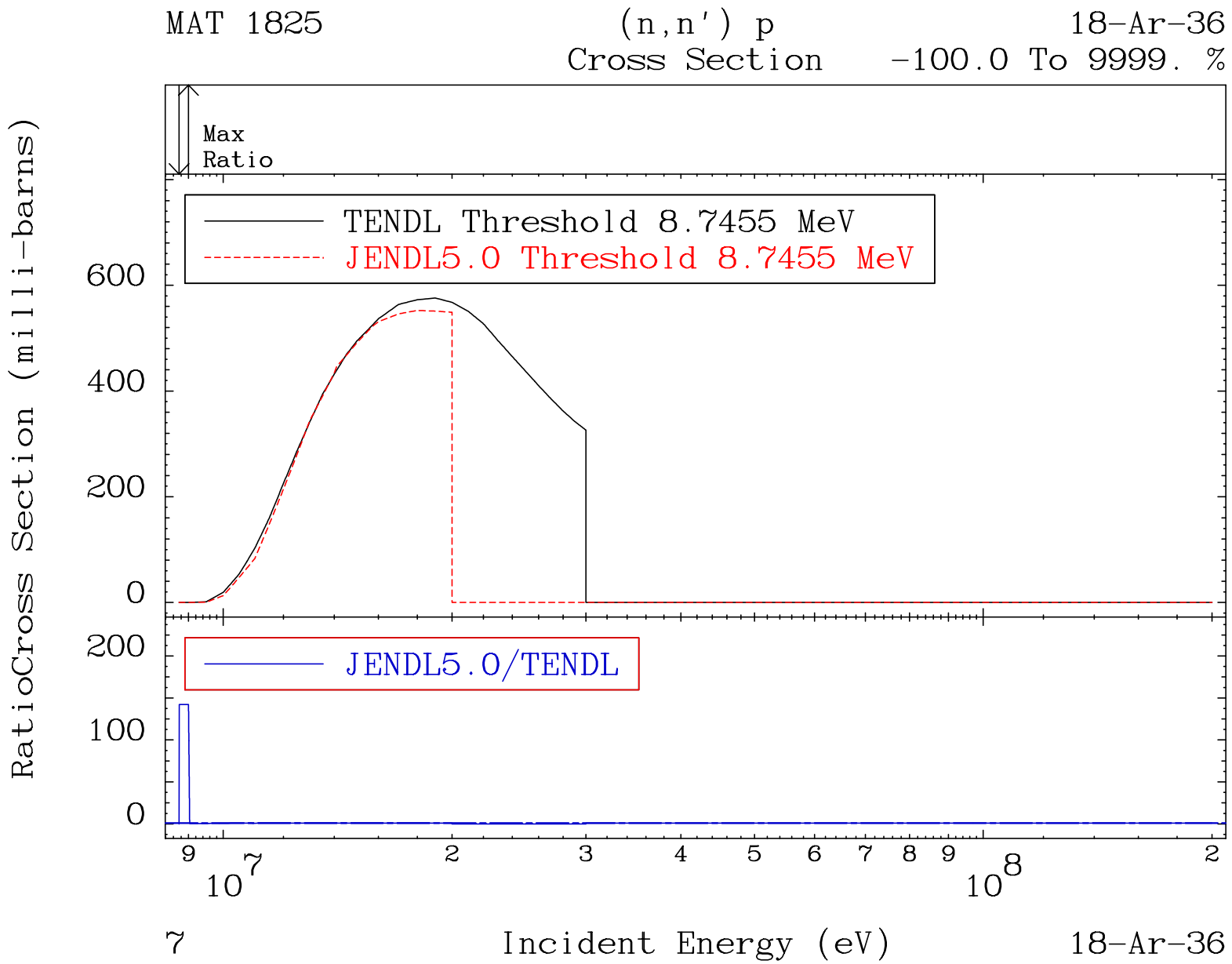

MAT 1825
Elastic
Cross Section
18-Ar-36
-98.35 To 9.495 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
18-Ar-36

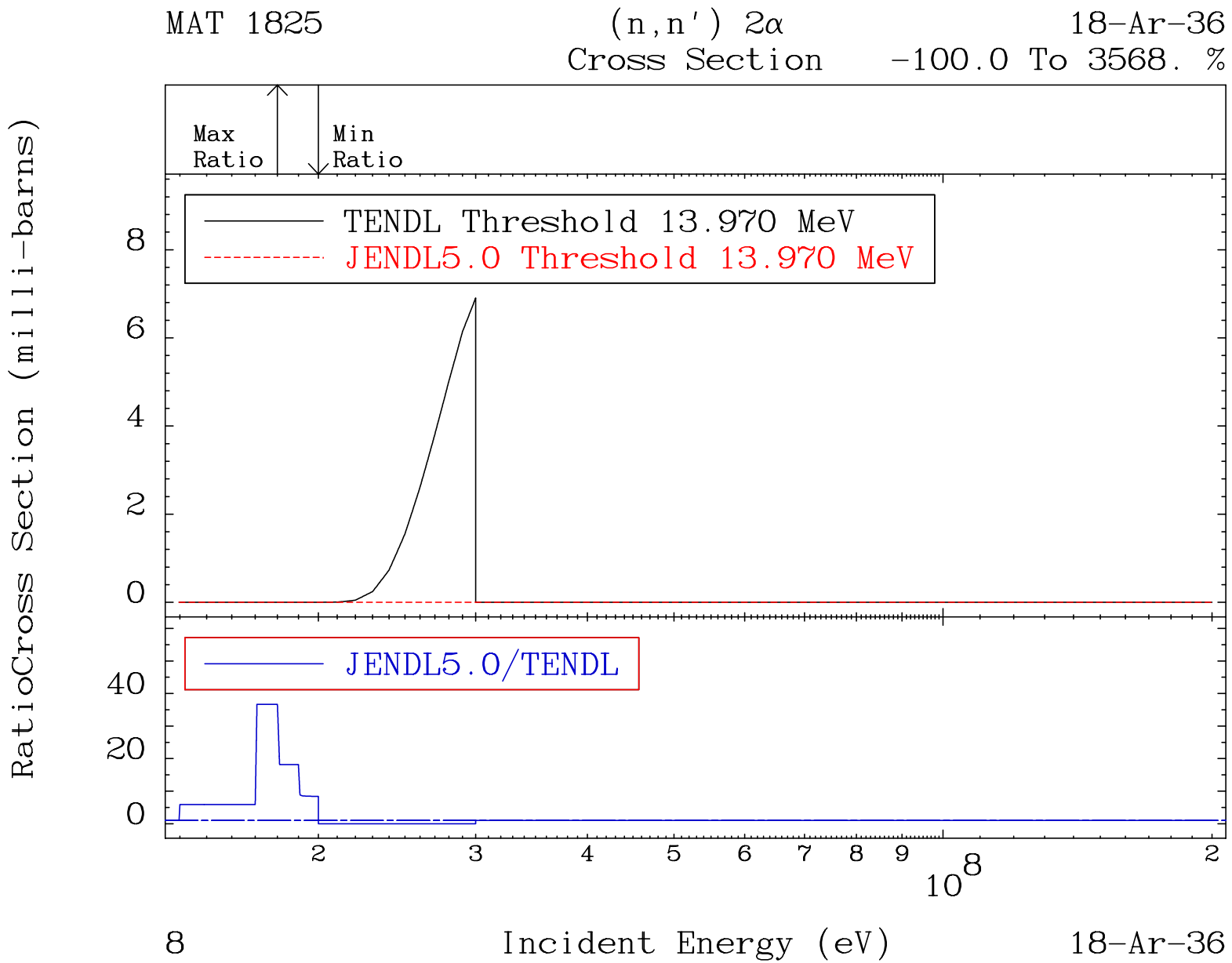

MAT 1825
Inelastic
Cross Section
18-Ar-36
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.0256 MeV
JENDL5.0 Threshold 15.009 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
1.2
0.6
0.0
2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
3
Incident Energy (eV)
18-Ar-36

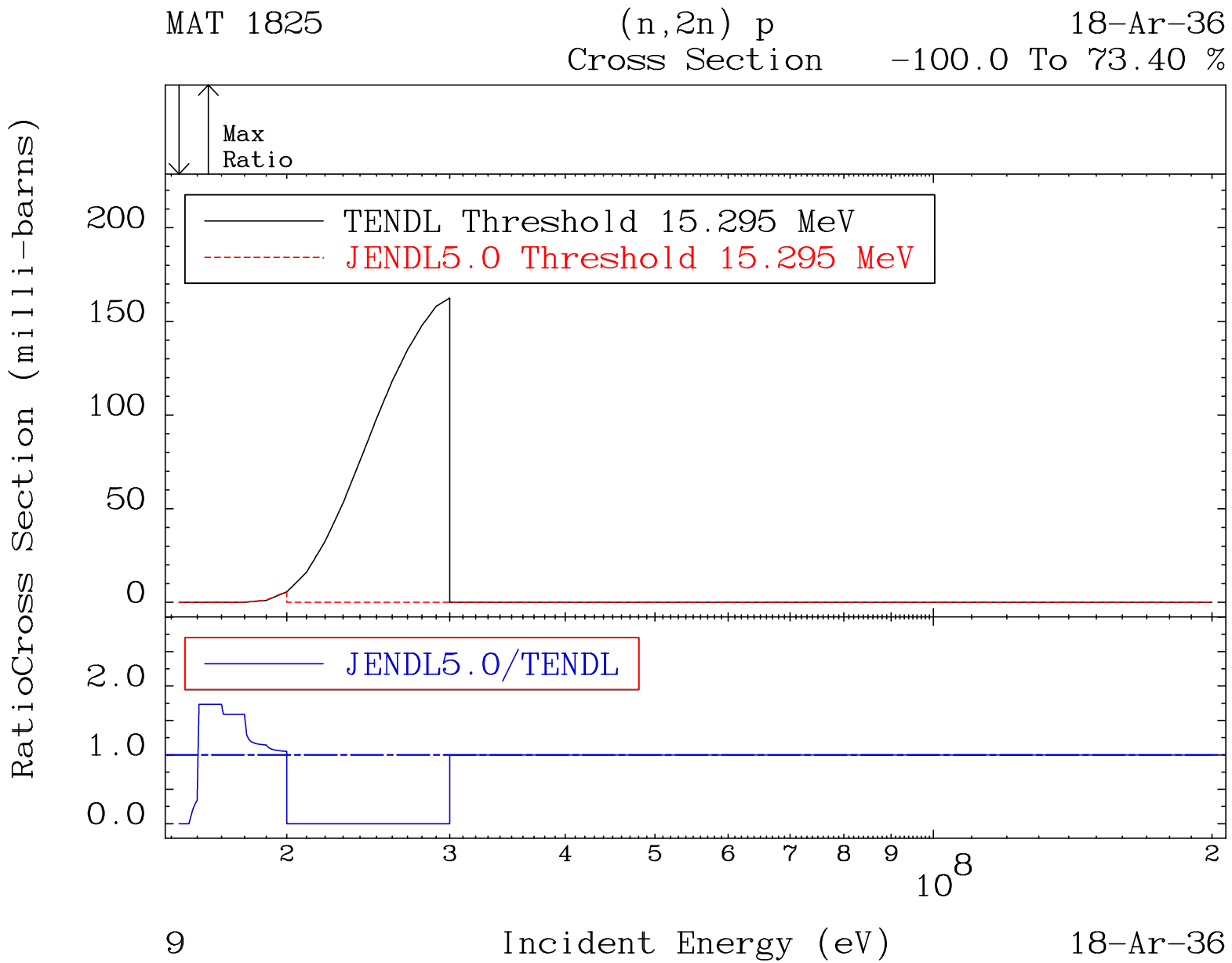

MAT 1825
(n,remainder)
Cross Section
18-Ar-36
-8.049 To -1.538%
Min Ratio
Max Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
1.00
0.96
0.92
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
18-Ar-36

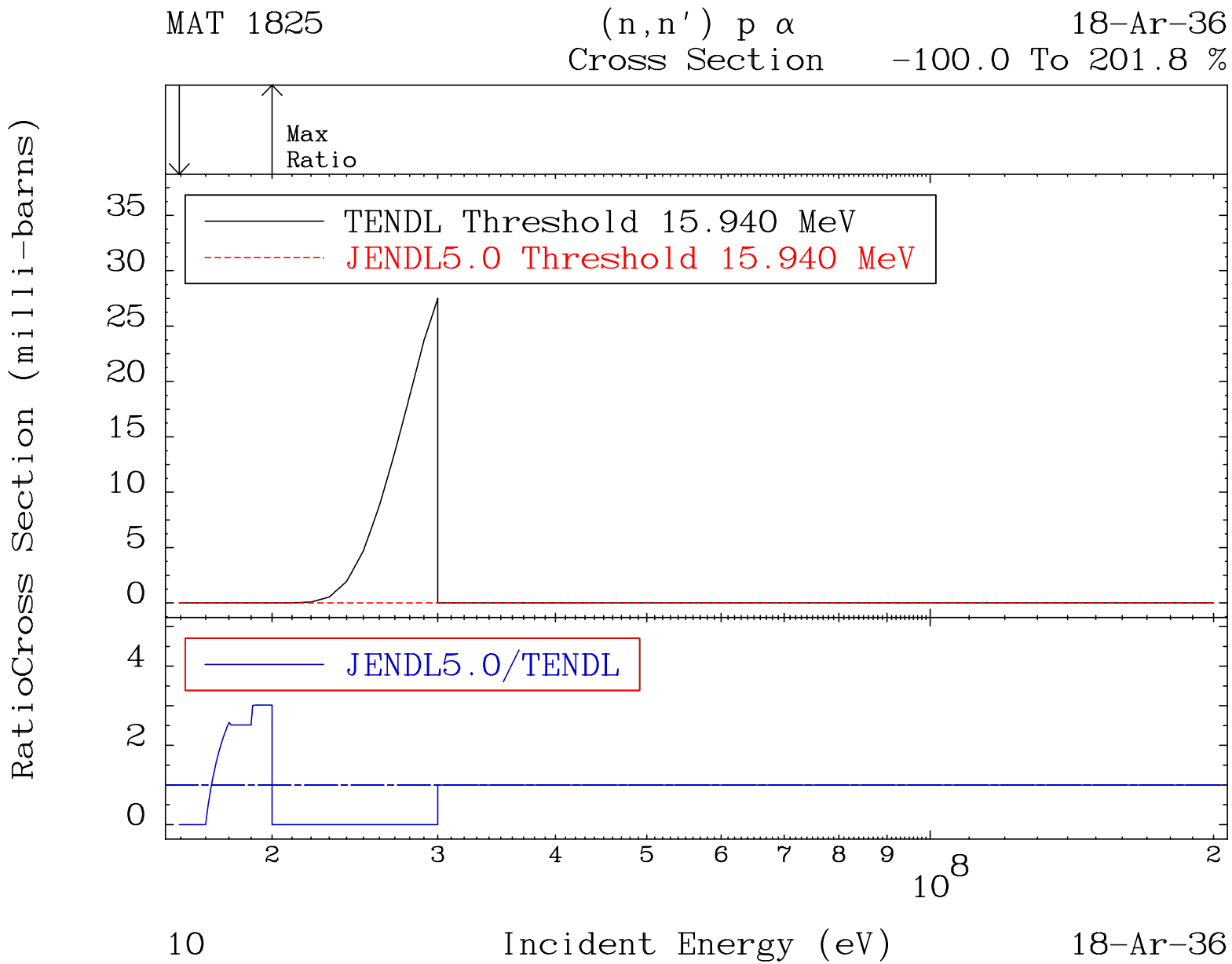

MAT 1825
(n,2n)
Cross Section
18-Ar-36
-100.0 To 0.000 %
Min
Ratio
TENDL Threshold 15.683 MeV
JENDL5.0 Threshold 15.683 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
18-Ar-36

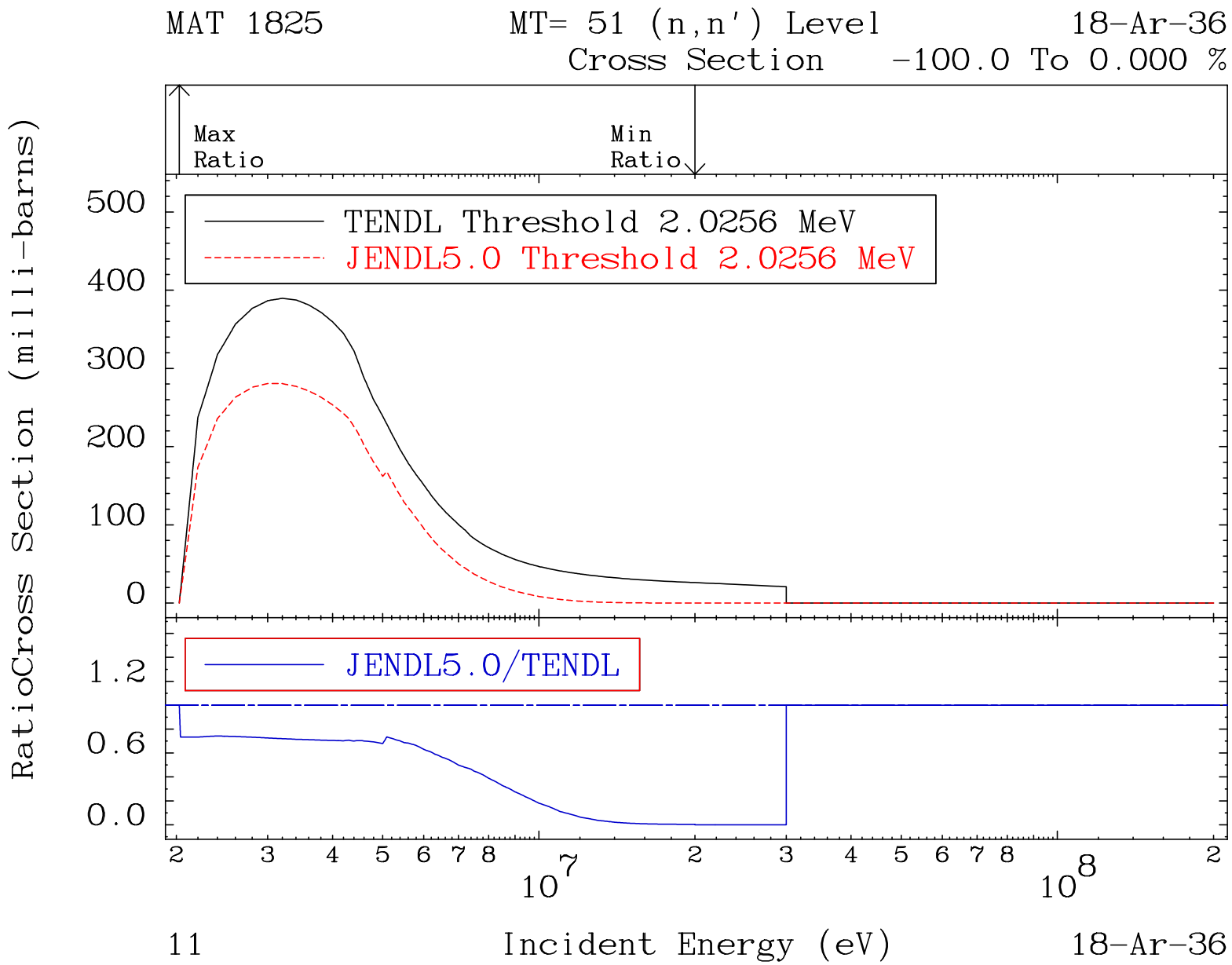

MAT 1825
(n,n') α
Cross Section
18-Ar-36
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.8272 MeV
JENDL5.0 Threshold 6.8272 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
6
4
2
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
6
18-Ar-36

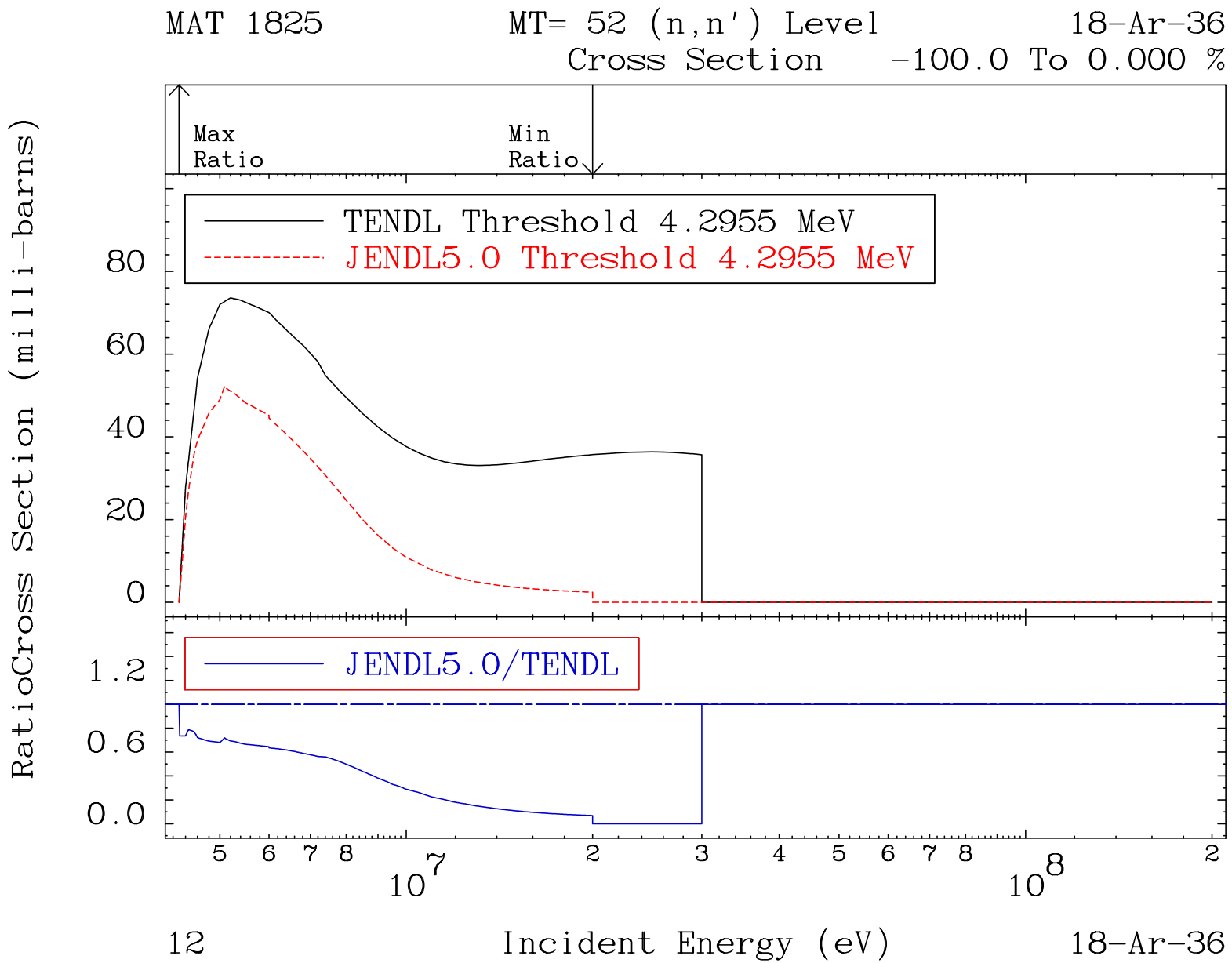

MAT 1825
(n,n') p
Cross Section
18-Ar-36
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 8.7455 MeV
JENDL5.0 Threshold 8.7455 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
400
200
0
200
100
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
18-Ar-36

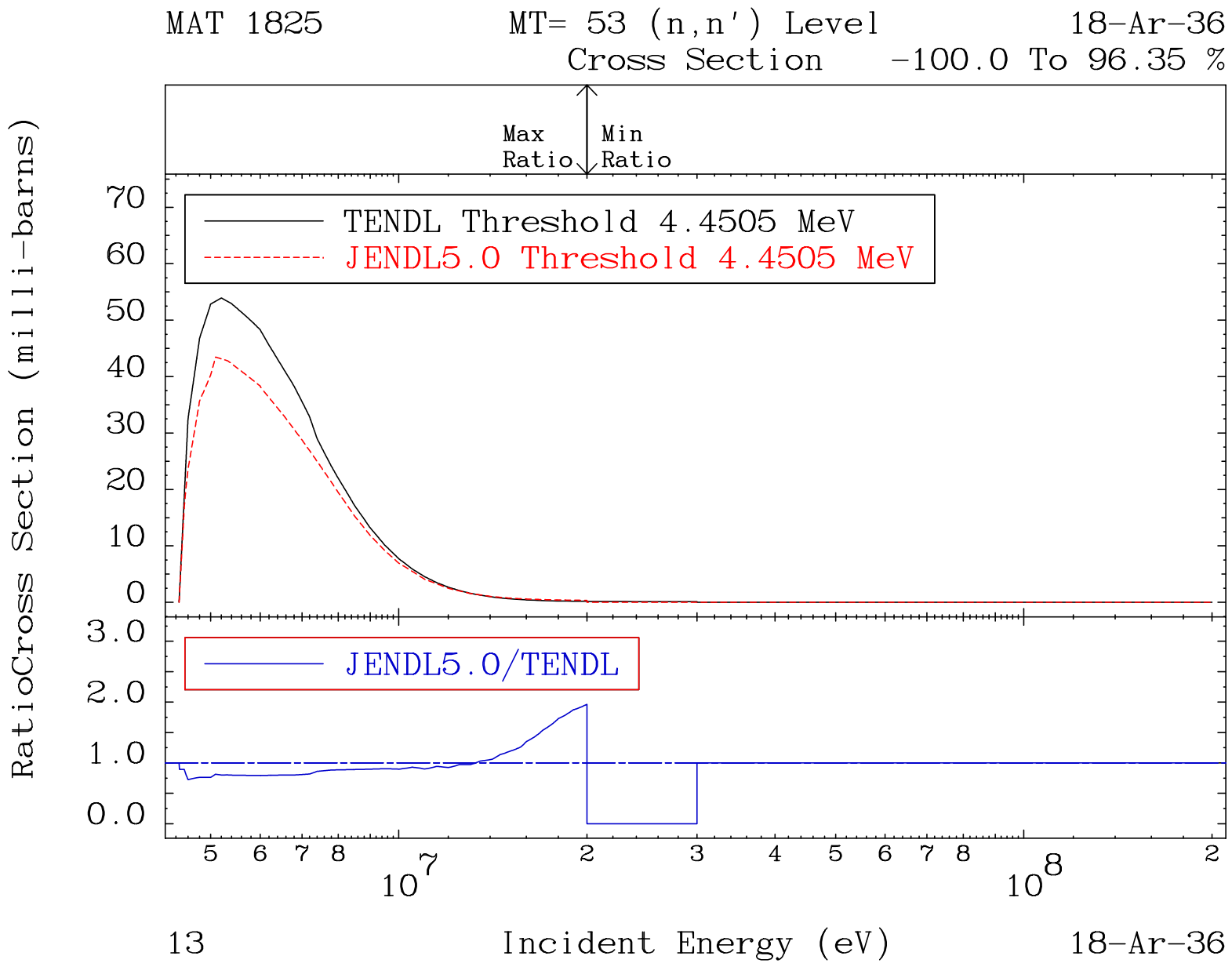

MAT 1825
(n,n') 2α
Cross Section
18-Ar-36
-100.0 To 3568. %
Max Ratio
Min Ratio
TENDL Threshold 13.970 MeV
JENDL5.0 Threshold 13.970 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
18-Ar-36
8
0
2
4
6
8
20
40
2
3
4
5
6
7
8
9
10^8

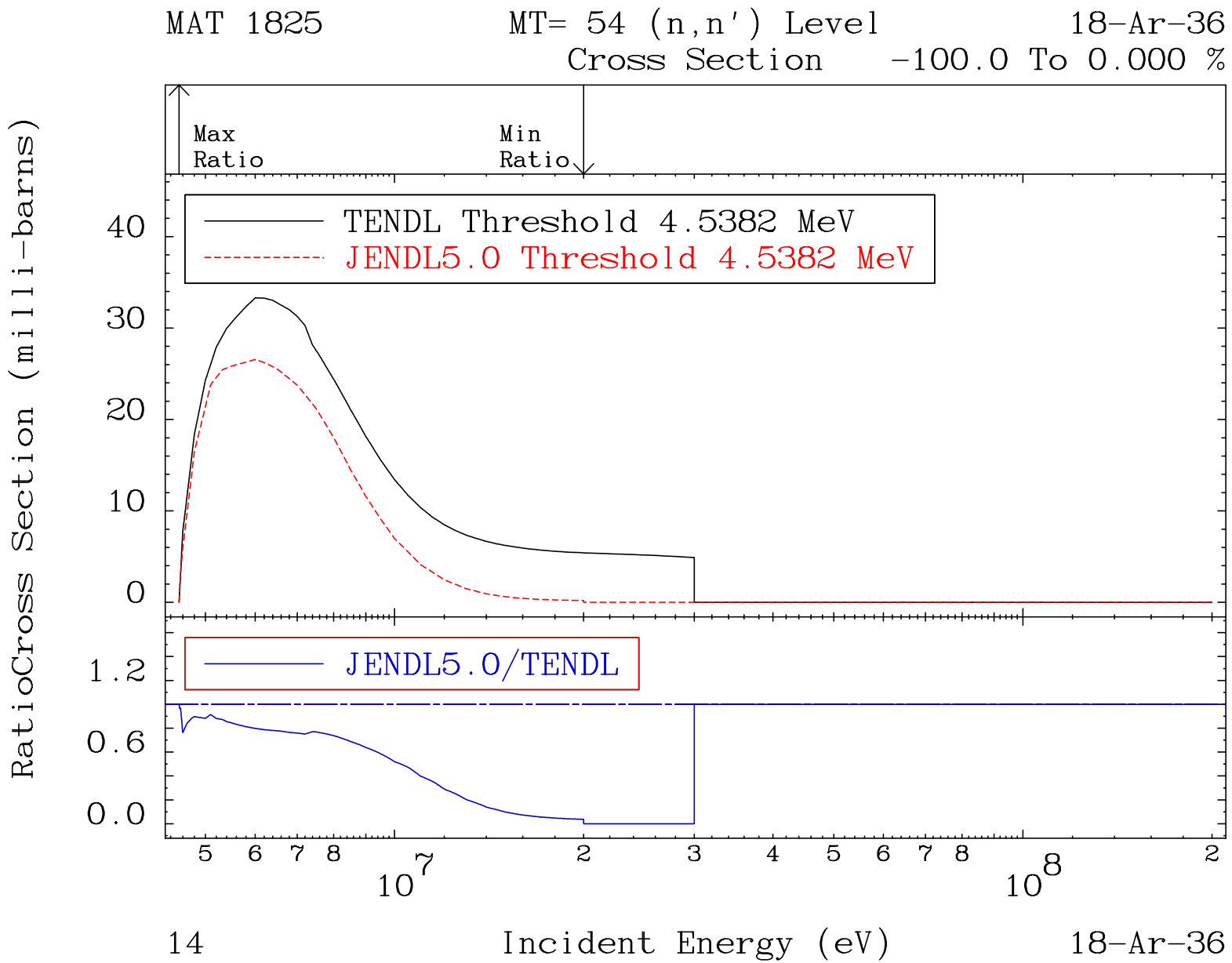

MAT 1825
(n,2n) p
Cross Section
18-Ar-36
-100.0 To 73.40 %
Max
Ratio
TENDL Threshold 15.295 MeV
JENDL5.0 Threshold 15.295 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
18-Ar-36

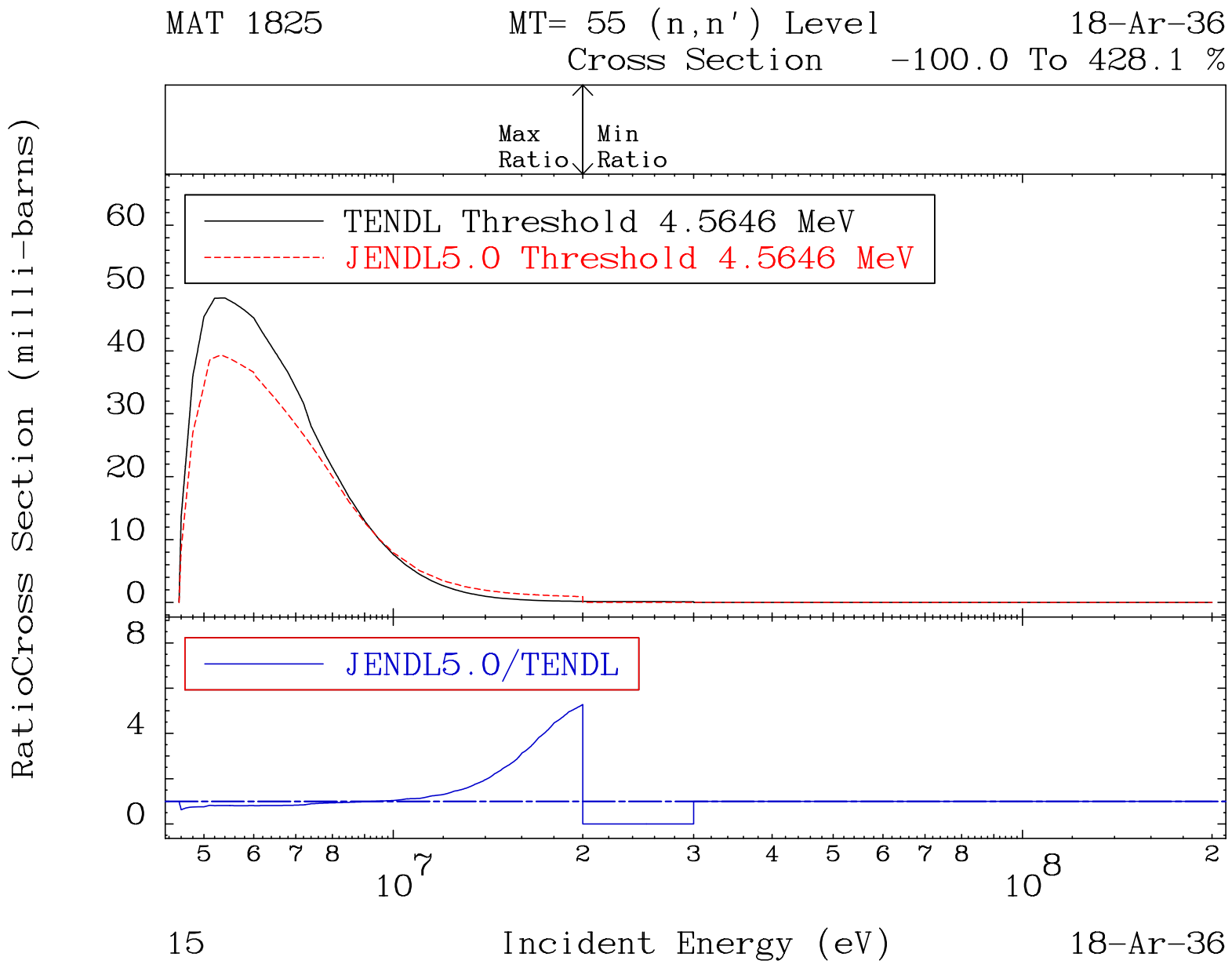

MAT 1825
(n,n') p α
Cross Section
18-Ar-36
-100.0 To 201.8 %
Max
Ratio
TENDL Threshold 15.940 MeV
JENDL5.0 Threshold 15.940 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
18-Ar-36

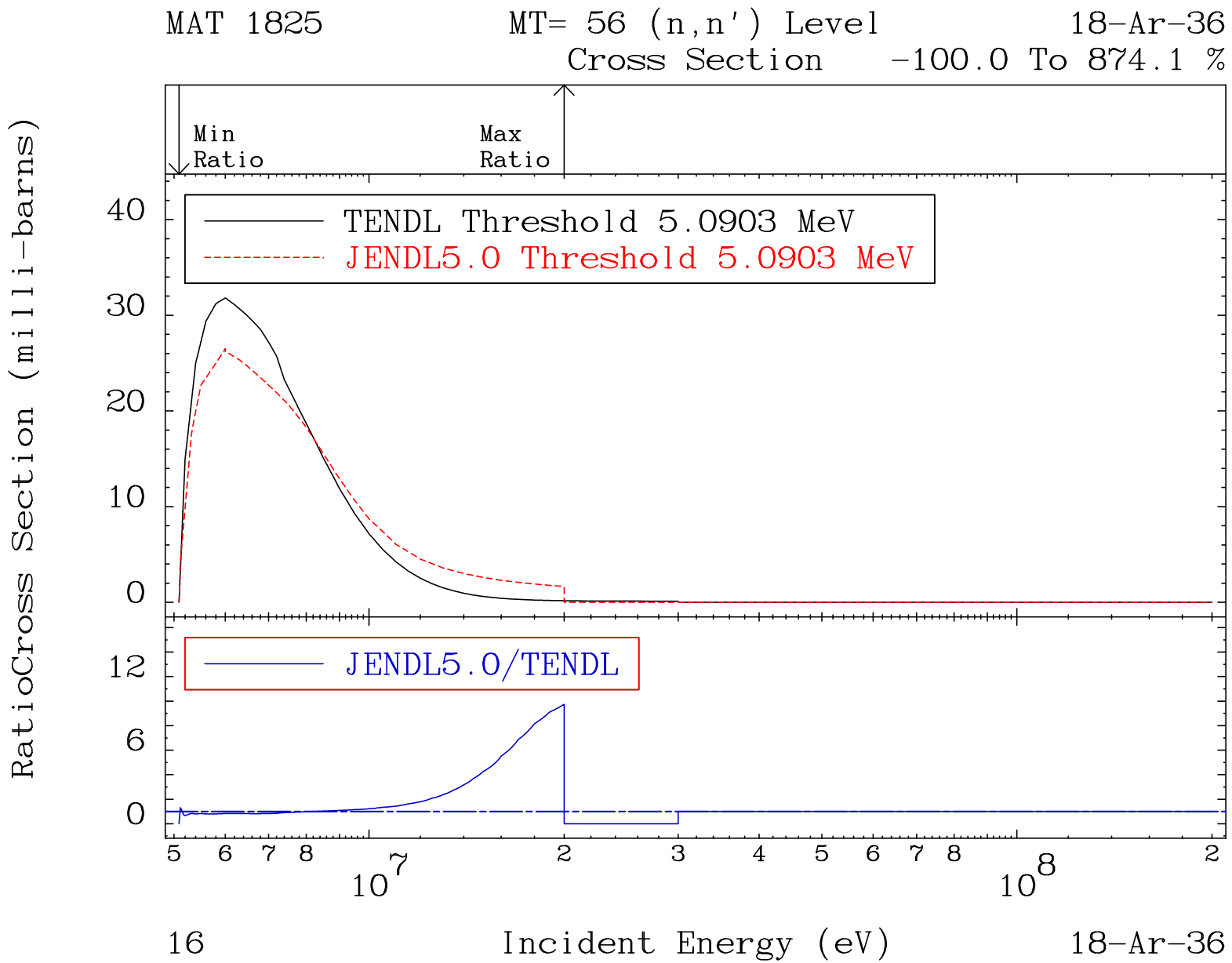

MAT 1825
MT= 51 (n,n') Level
18-Ar-36
Cross Section -100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 2.0256 MeV
JENDL5.0 Threshold 2.0256 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
18-Ar-36

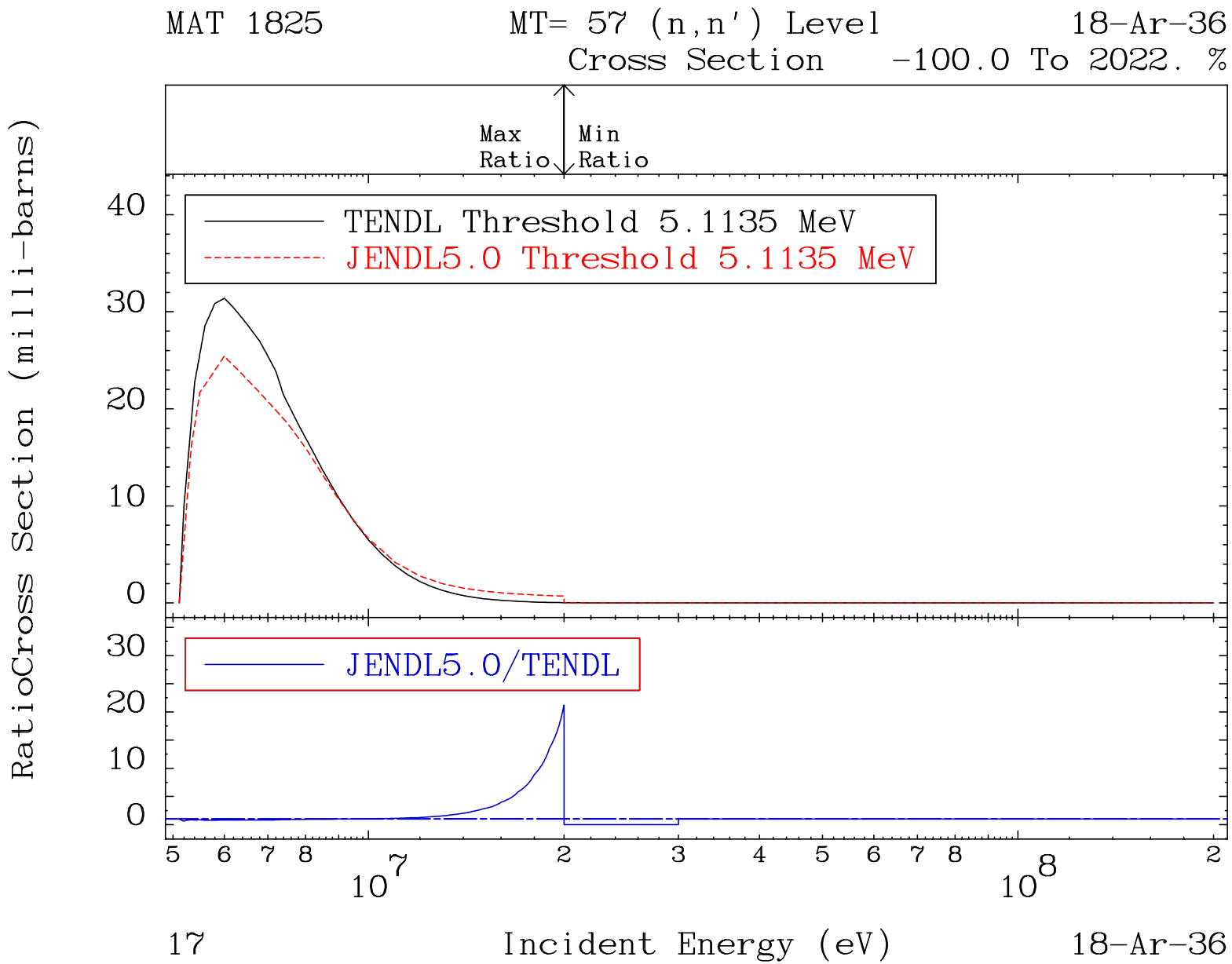

MAT 1825
MT= 52 (n,n') Level
Cross Section
18-Ar-36
-100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 4.2955 MeV
JENDL5.0 Threshold 4.2955 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
18-Ar-36

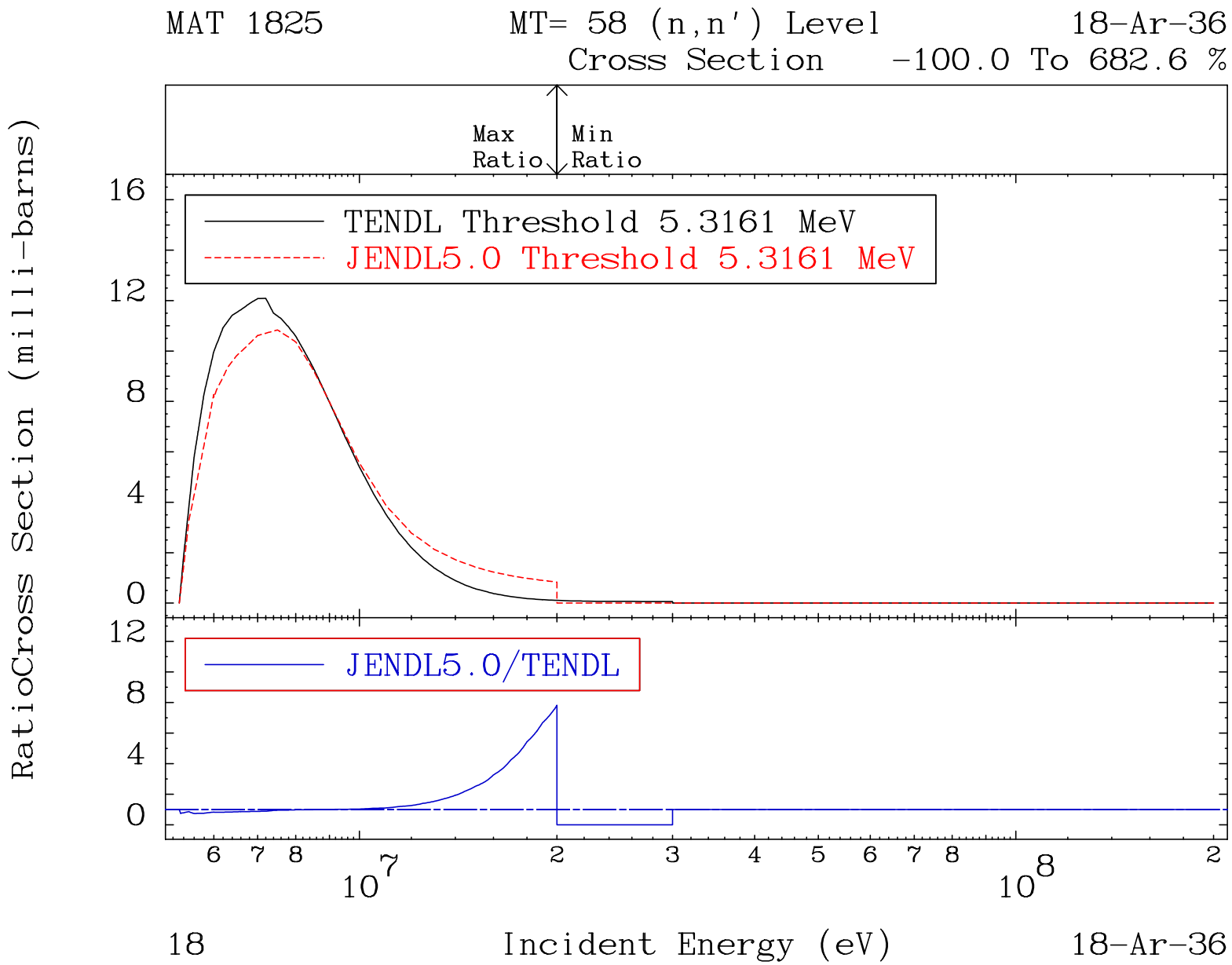

MAT 1825
MT= 53 (n,n') Level
18-Ar-36
Cross Section -100.0 To 96.35 %
Max Ratio
Min Ratio
TENDL Threshold 4.4505 MeV
JENDL5.0 Threshold 4.4505 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
3.0
2.0
1.0
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
18-Ar-36

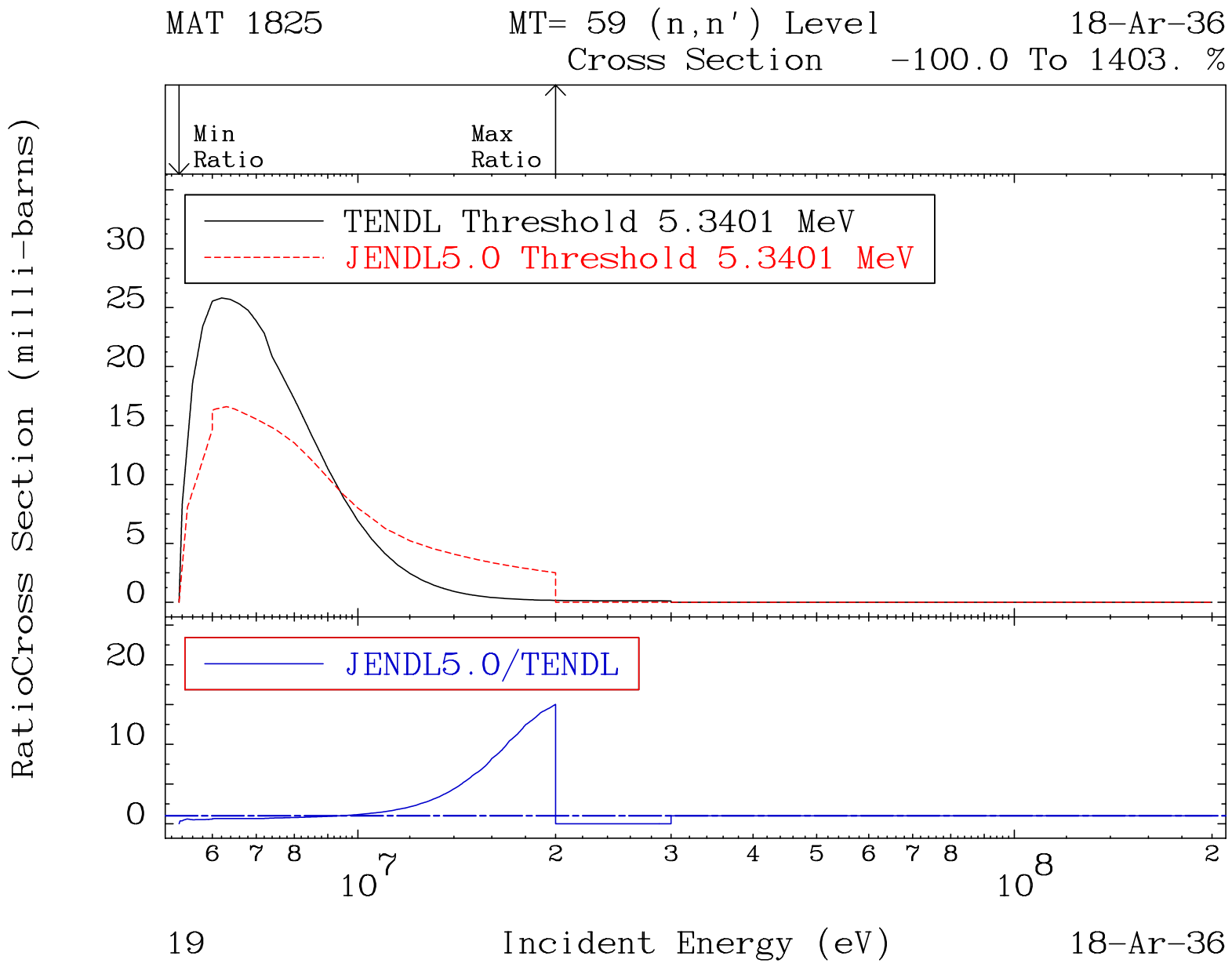

MAT 1825
MT= 54 (n,n') Level
Cross Section
18-Ar-36
-100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 4.5382 MeV
JENDL5.0 Threshold 4.5382 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
18-Ar-36

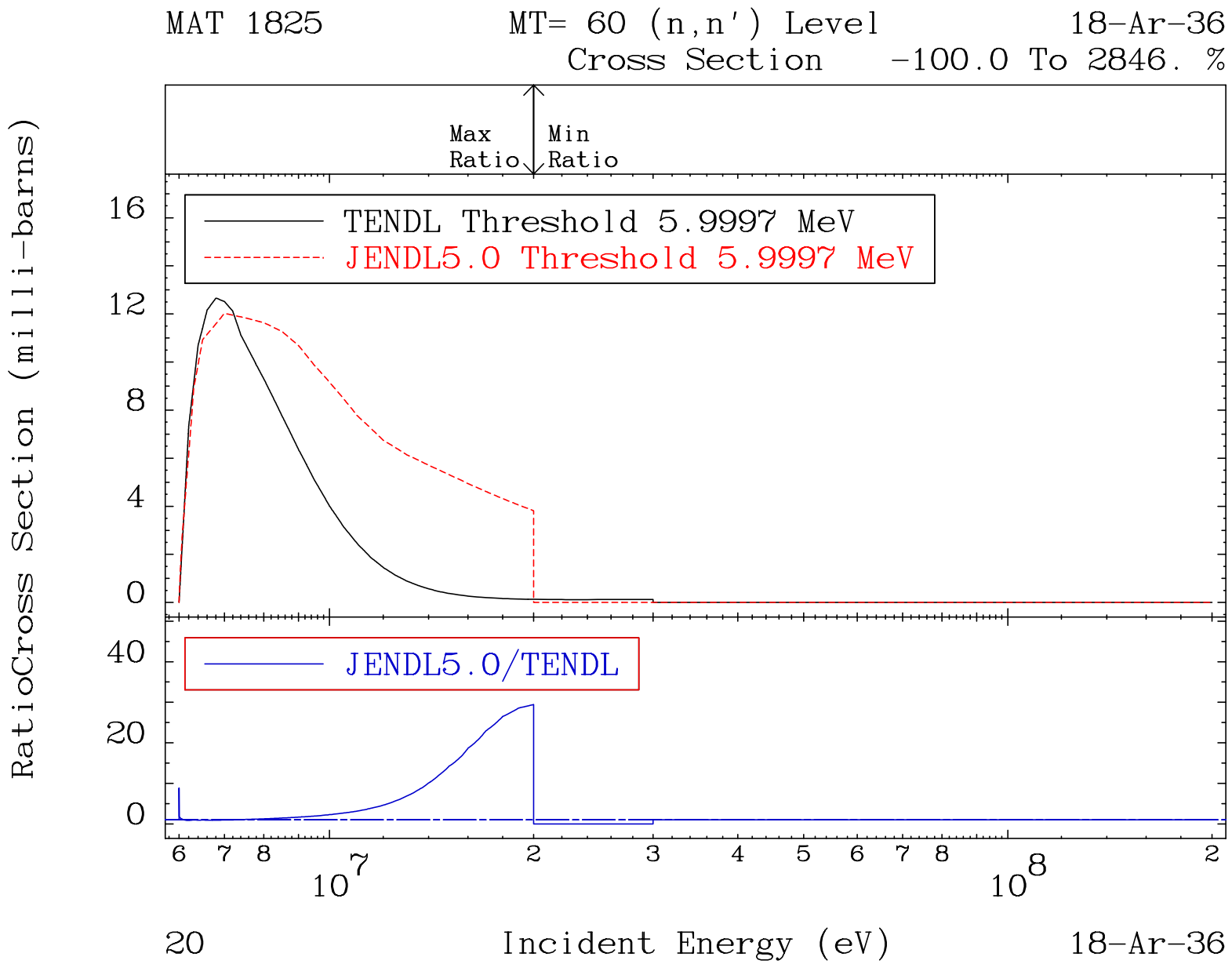

MAT 1825
MT= 55 (n,n') Level
18-Ar-36
Cross Section -100.0 To 428.1 %
Max Ratio
Min Ratio
TENDL Threshold 4.5646 MeV
JENDL5.0 Threshold 4.5646 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
8
4
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
18-Ar-36

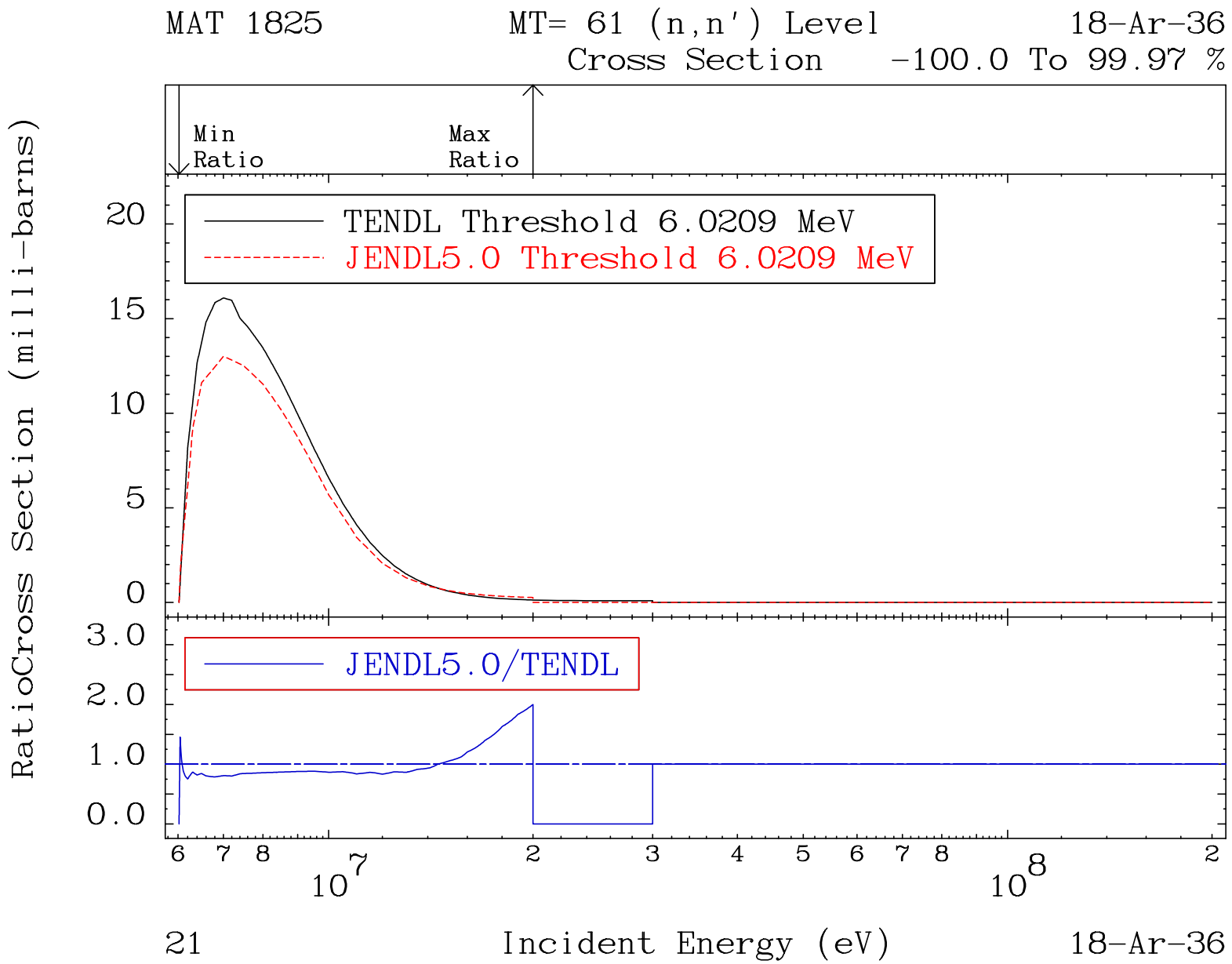

MAT 1825
MT= 56 (n,n') Level
18-Ar-36
Cross Section -100.0 To 874.1 %
Min Ratio
Max Ratio
TENDL Threshold 5.0903 MeV
JENDL5.0 Threshold 5.0903 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
12
6
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
18-Ar-36

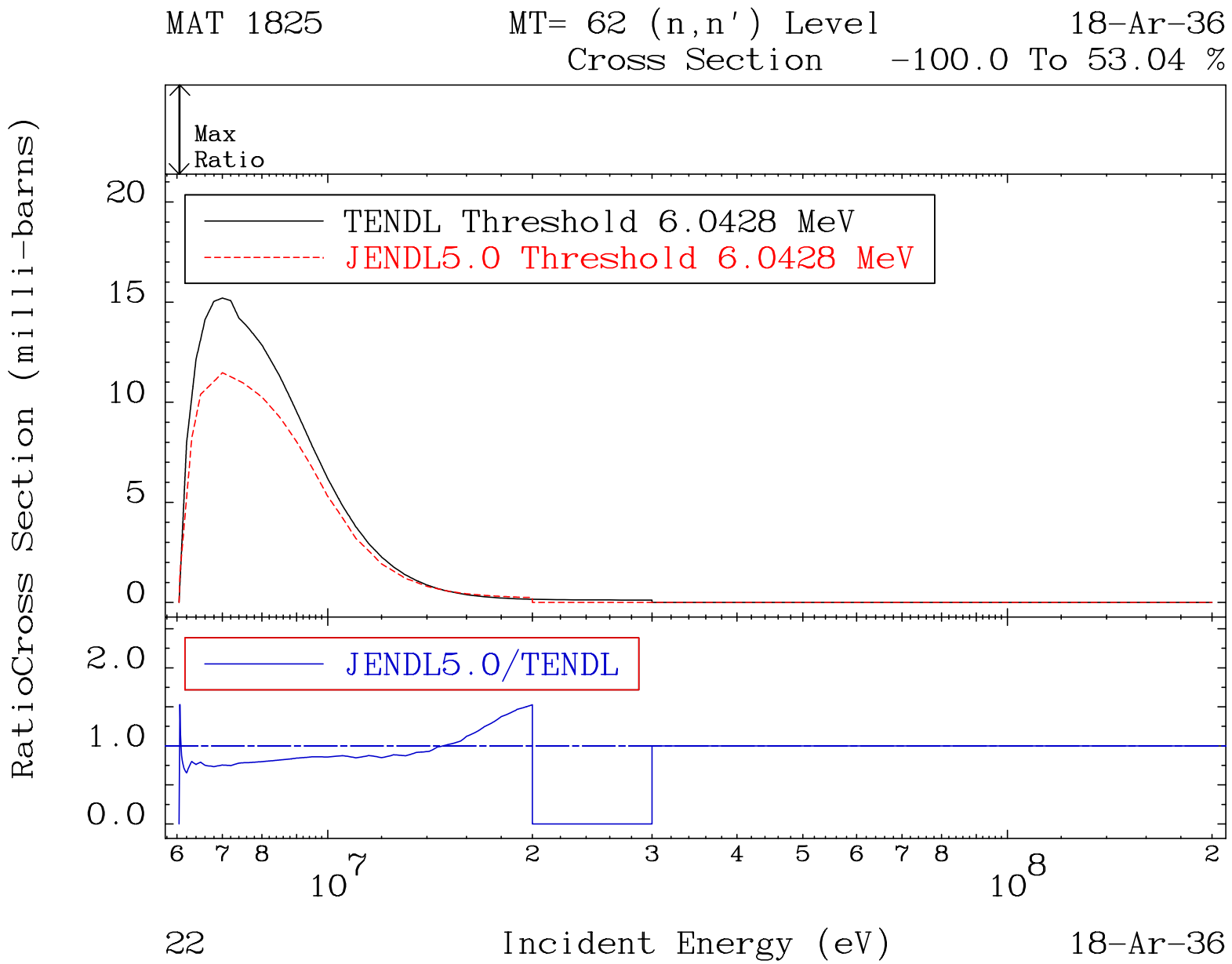

MAT 1825
MT= 57 (n,n') Level
18-Ar-36
Cross Section -100.0 To 2022. %
Max Ratio
Min Ratio
TENDL Threshold 5.1135 MeV
JENDL5.0 Threshold 5.1135 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
30
20
10
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
18-Ar-36

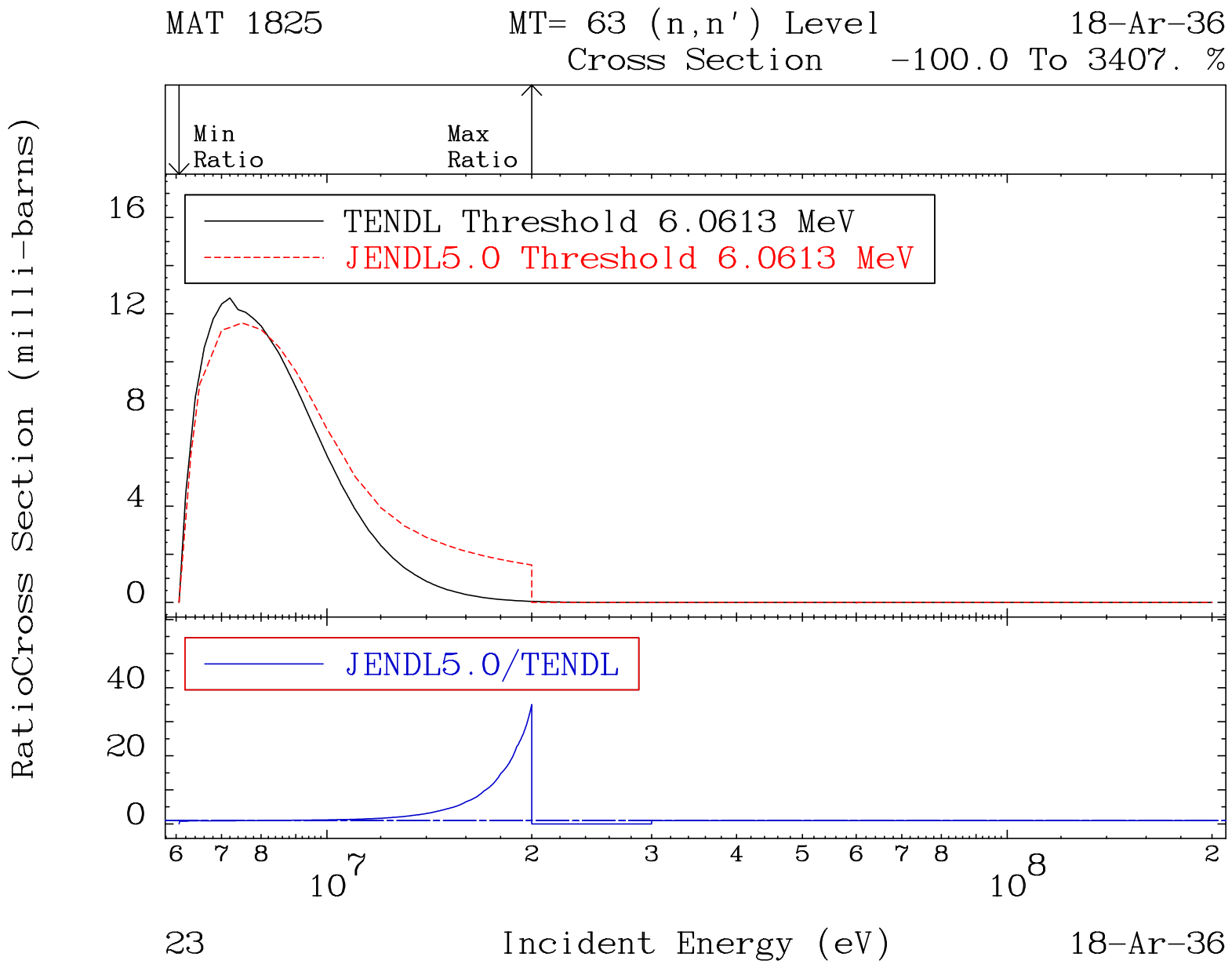

MAT 1825
MT= 58 (n,n') Level
18-Ar-36
Cross Section -100.0 To 682.6 %
Max Ratio
Min Ratio
TENDL Threshold 5.3161 MeV
JENDL5.0 Threshold 5.3161 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
18
18-Ar-36

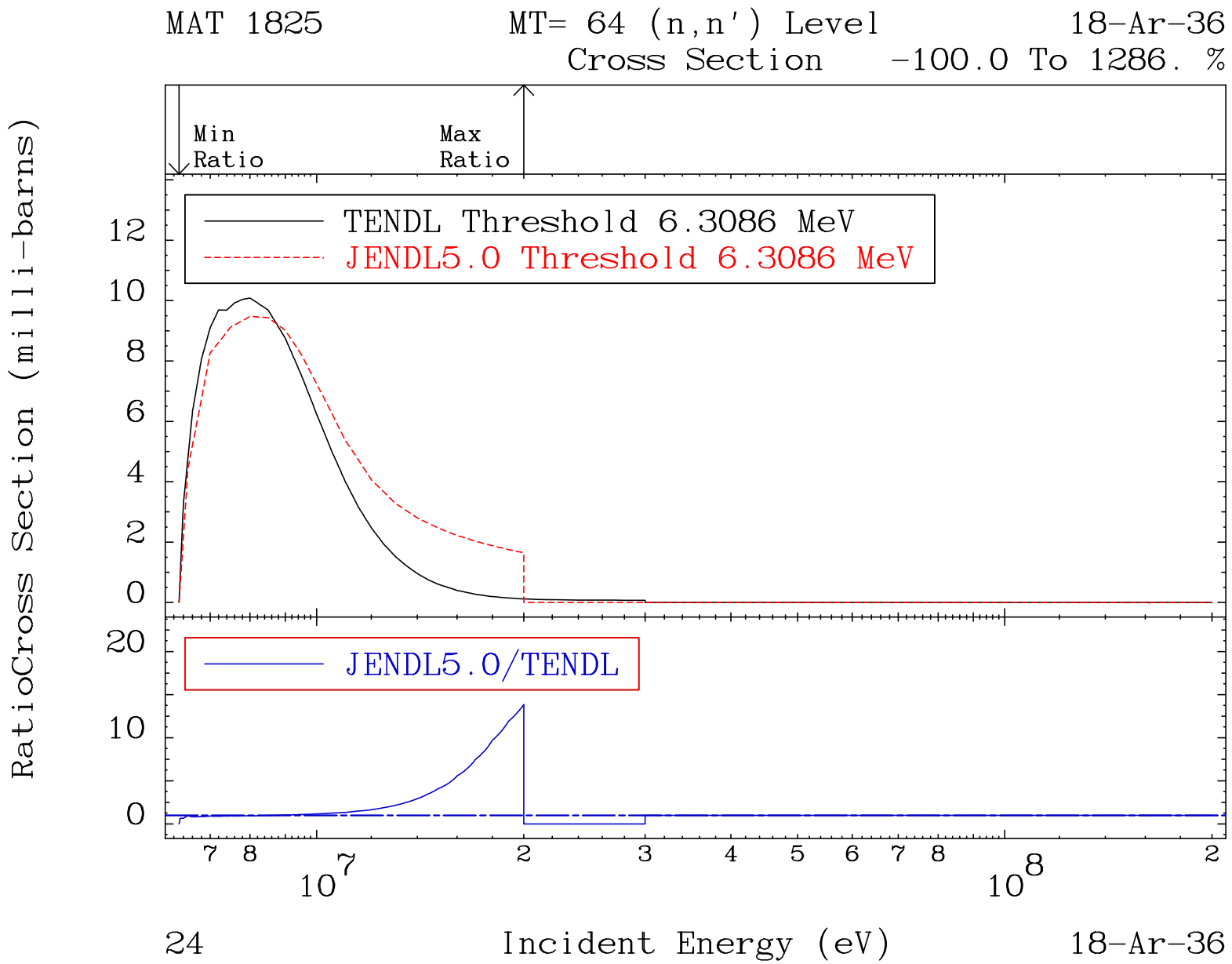

MAT 1825
MT= 59 (n,n') Level
18-Ar-36
Cross Section -100.0 To 1403. %
Min Ratio
Max Ratio
TENDL Threshold 5.3401 MeV
JENDL5.0 Threshold 5.3401 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
18-Ar-36

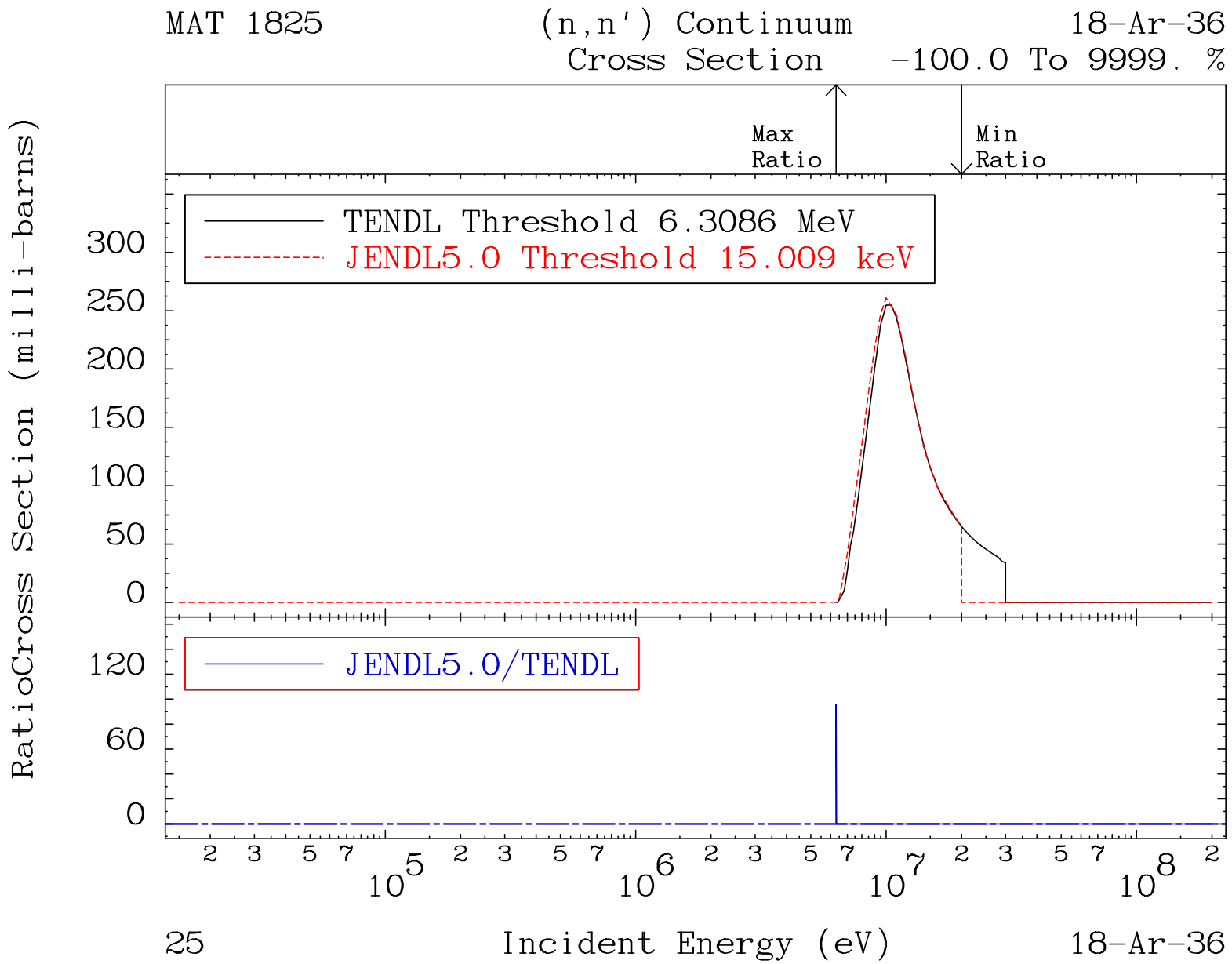

MAT 1825
MT= 60 (n,n') Level
18-Ar-36
Cross Section -100.0 To 2846. %
Max Ratio
Min Ratio
TENDL Threshold 5.9997 MeV
JENDL5.0 Threshold 5.9997 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
20
18-Ar-36

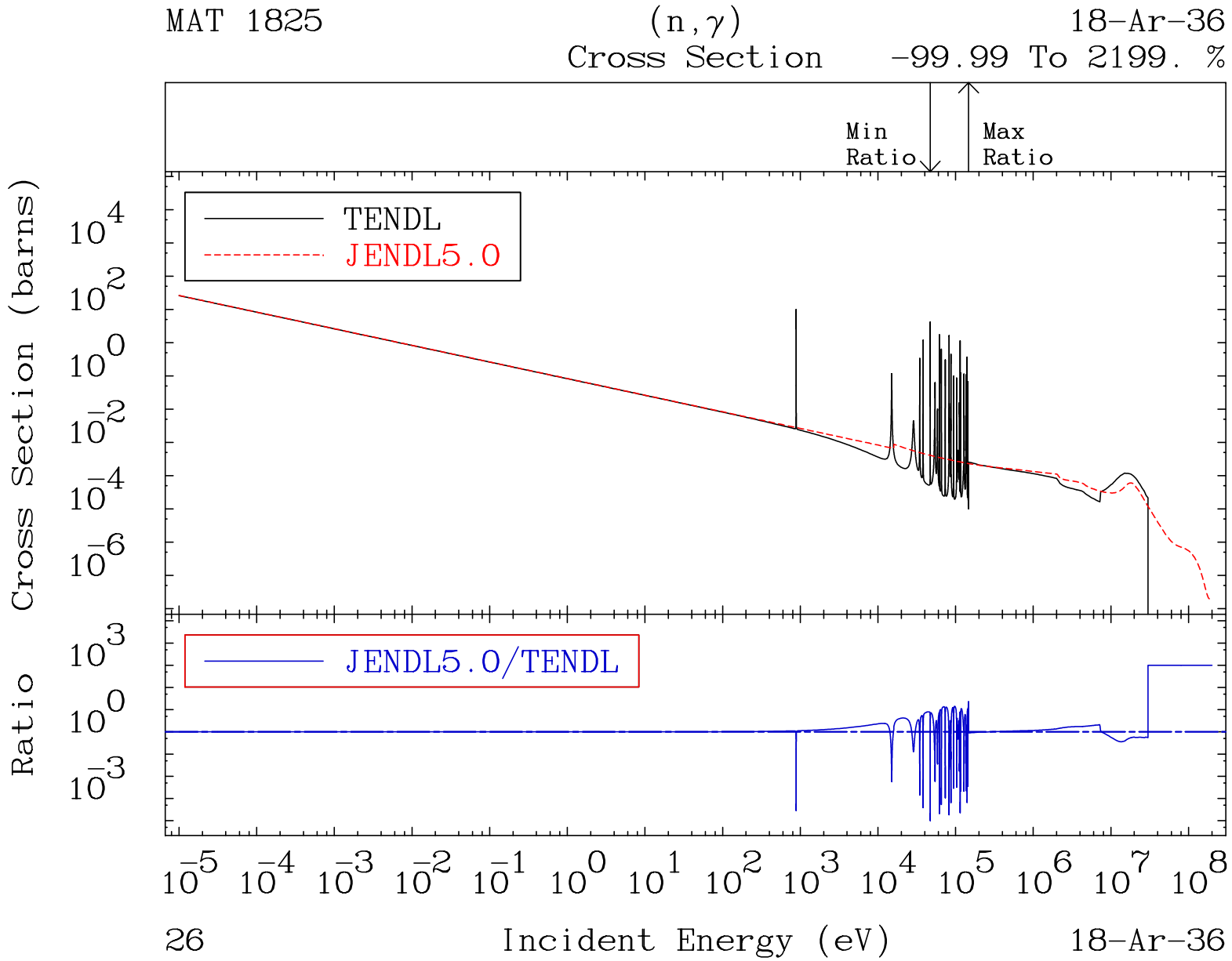

MAT 1825
MT= 61 (n,n') Level
18-Ar-36
Cross Section -100.0 To 99.97 %
Min Ratio
Max Ratio
TENDL Threshold 6.0209 MeV
JENDL5.0 Threshold 6.0209 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
21
18-Ar-36

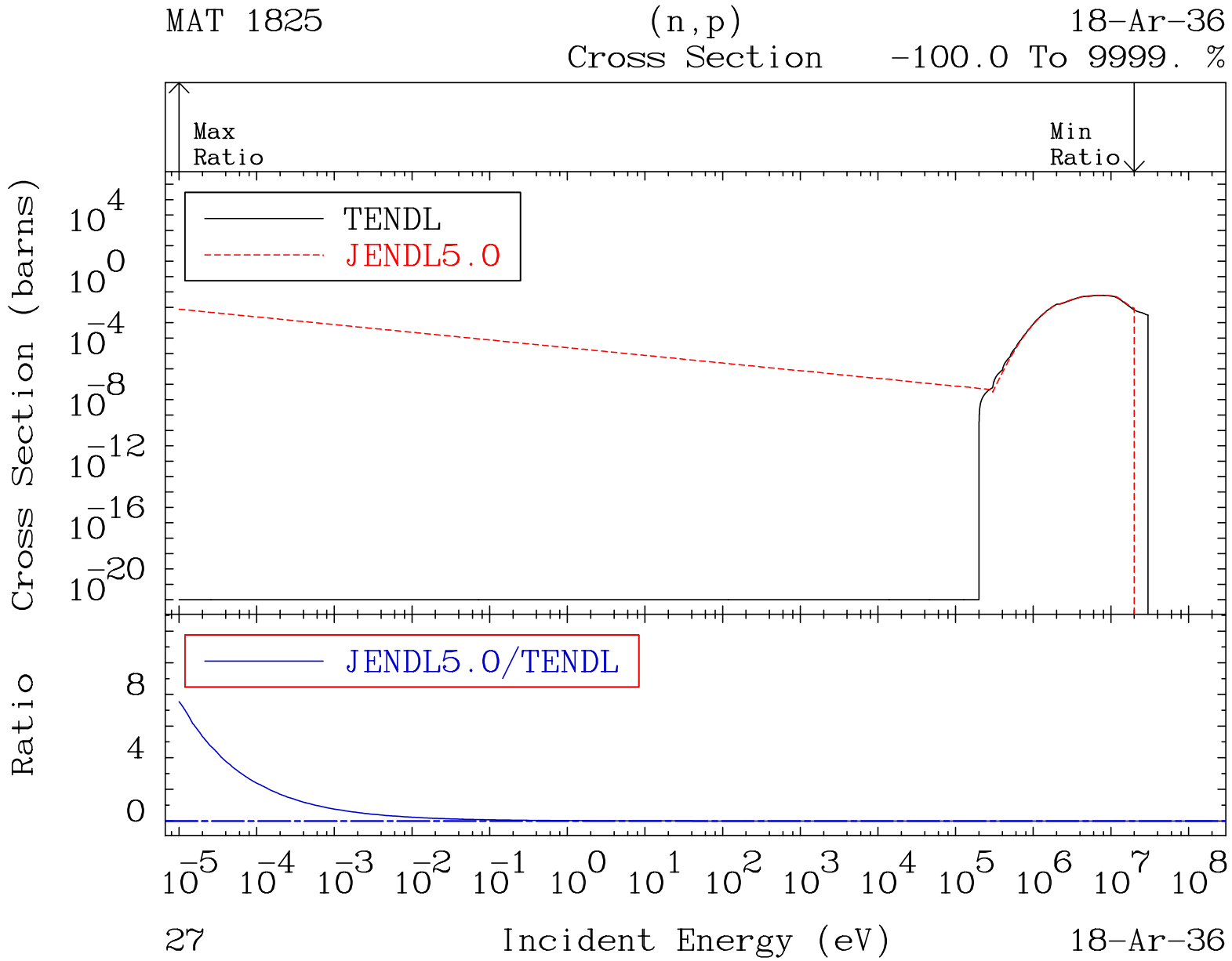

MAT 1825
MT= 62 (n,n') Level
18-Ar-36
Cross Section -100.0 To 53.04 %
Max
Ratio
TENDL Threshold 6.0428 MeV
JENDL5.0 Threshold 6.0428 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
2.0
1.0
0.0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
18-Ar-36

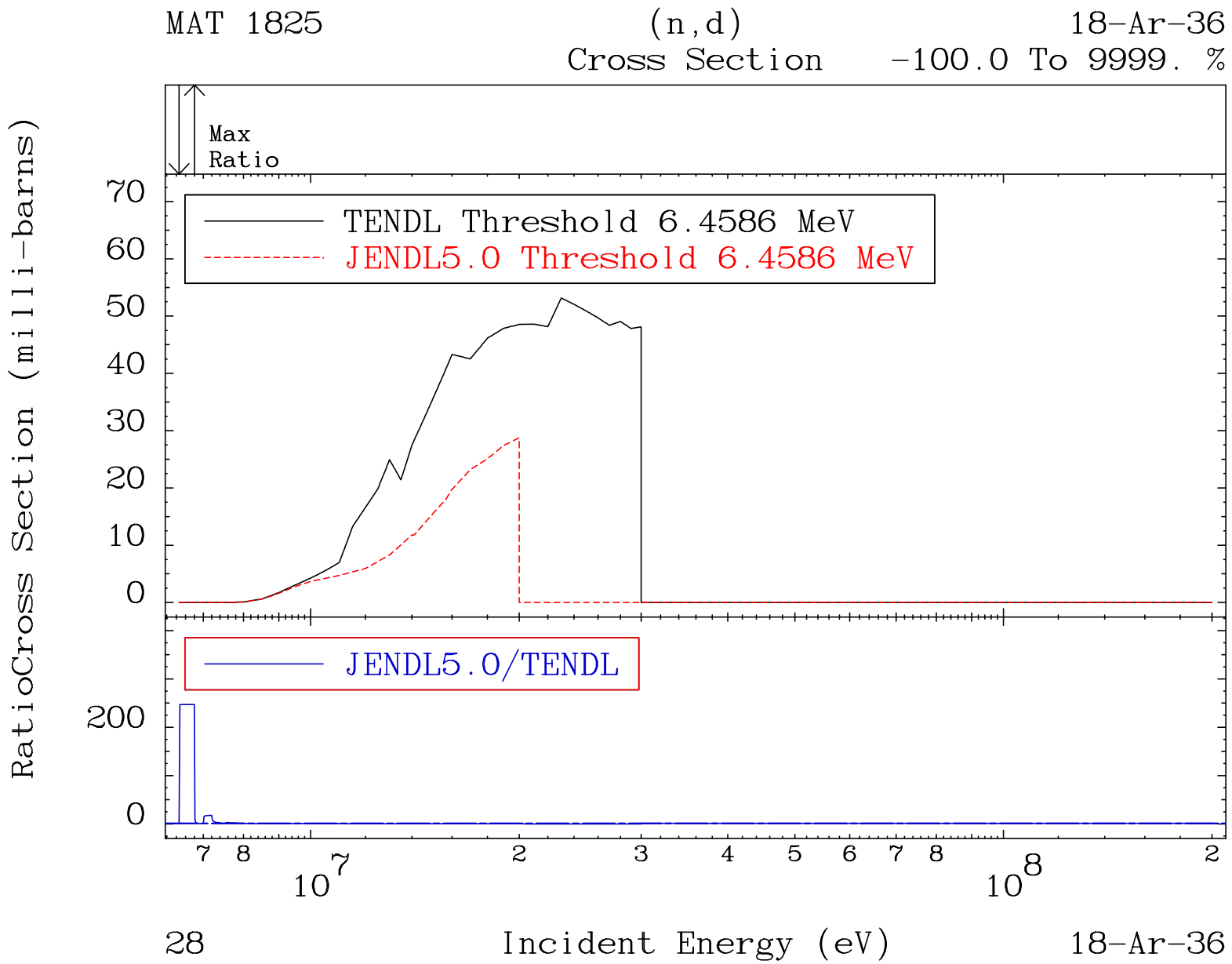

MAT 1825
MT= 63 (n,n') Level
18-Ar-36
Cross Section -100.0 To 3407. %
Min Ratio
Max Ratio
TENDL Threshold 6.0613 MeV
JENDL5.0 Threshold 6.0613 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
40
20
0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
18-Ar-36

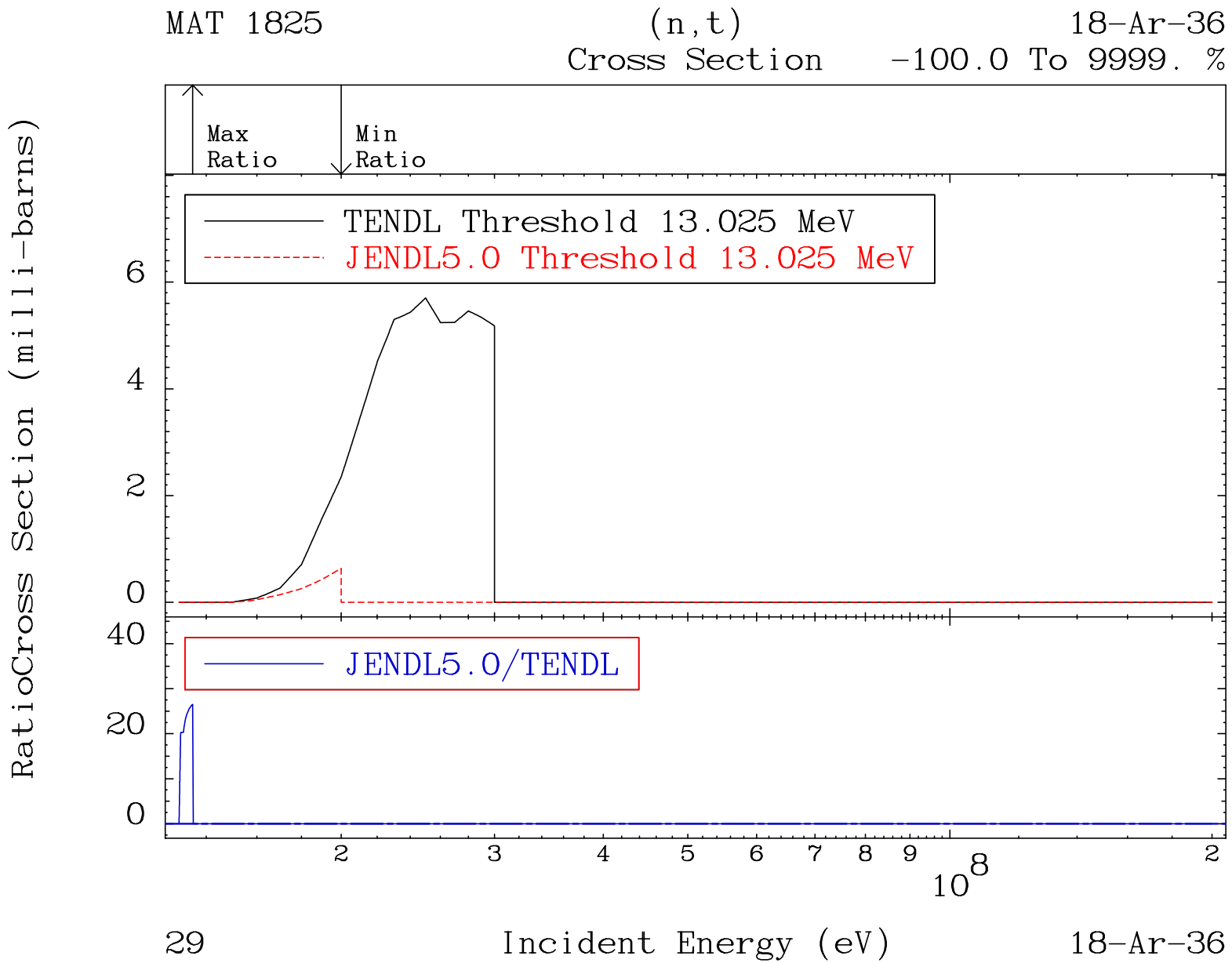

MAT 1825
MT= 64 (n,n') Level
18-Ar-36
Cross Section -100.0 To 1286. %
Min Ratio
Max Ratio
TENDL Threshold 6.3086 MeV
JENDL5.0 Threshold 6.3086 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
24
18-Ar-36

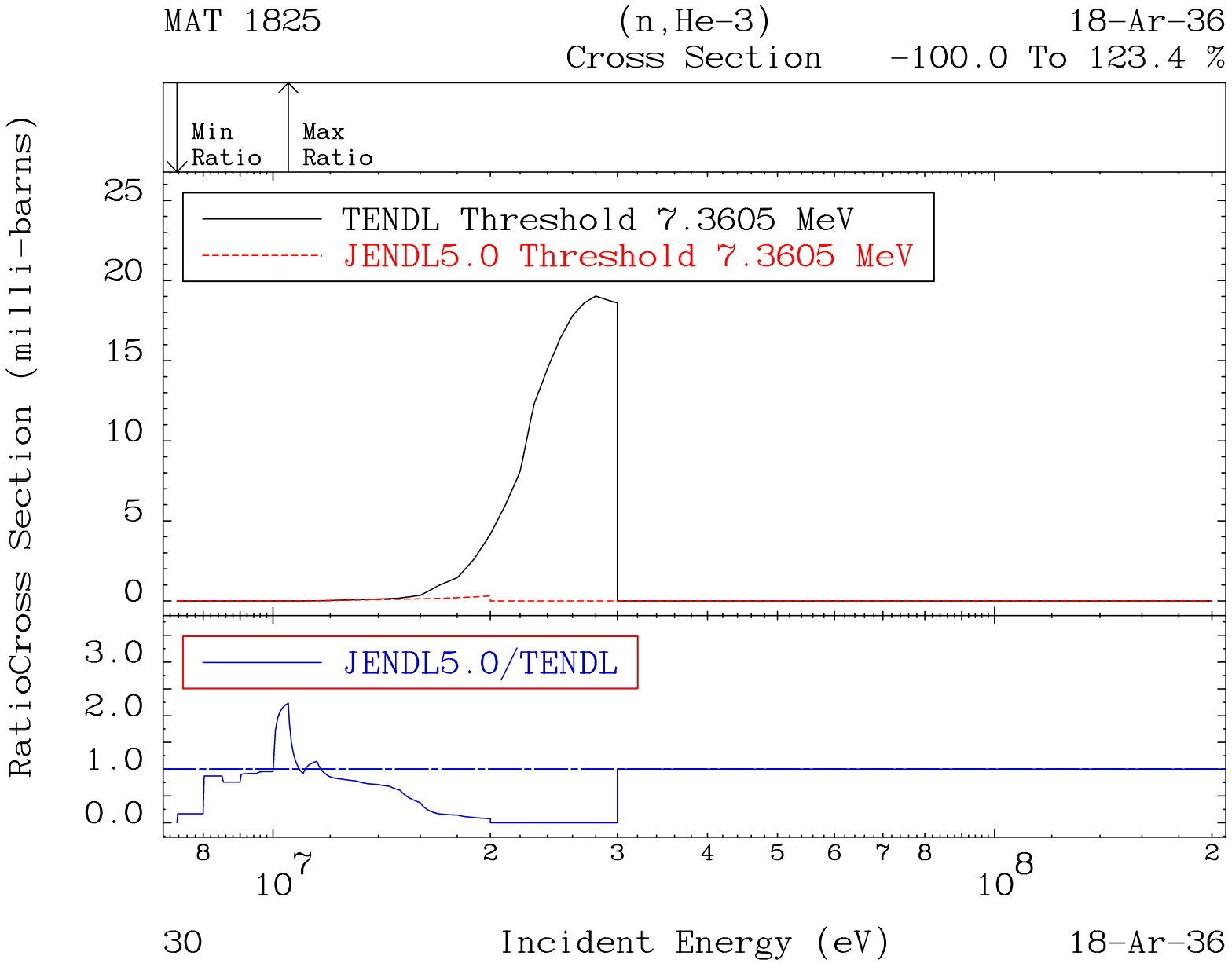

MAT 1825
(n,n') Continuum
Cross Section
18-Ar-36
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.3086 MeV
JENDL5.0 Threshold 15.009 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
120
60
0
2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
25
Incident Energy (eV)
18-Ar-36

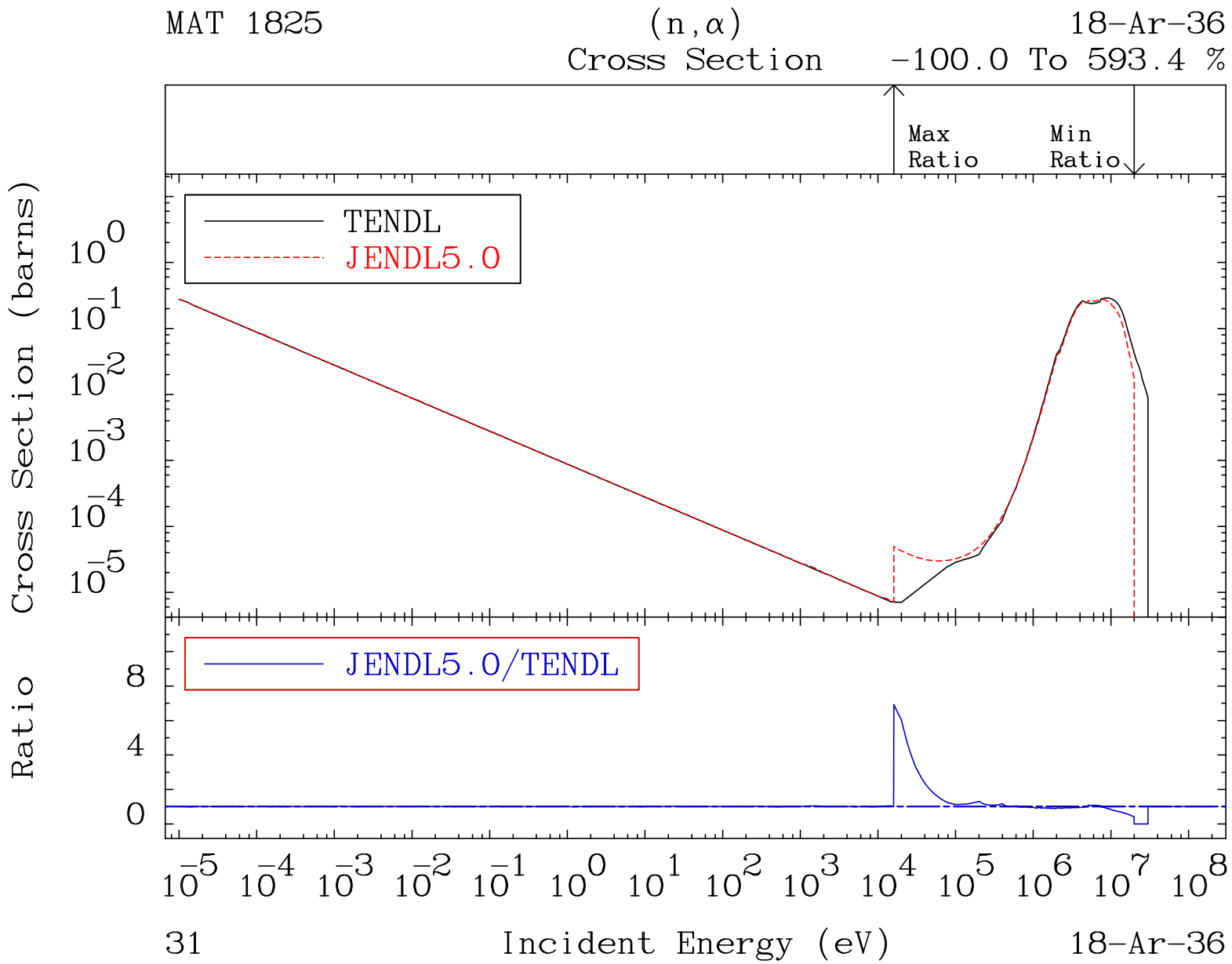

MAT 1825
(n,γ)
Cross Section
18-Ar-36
-99.99 To 2199. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
26
18-Ar-36

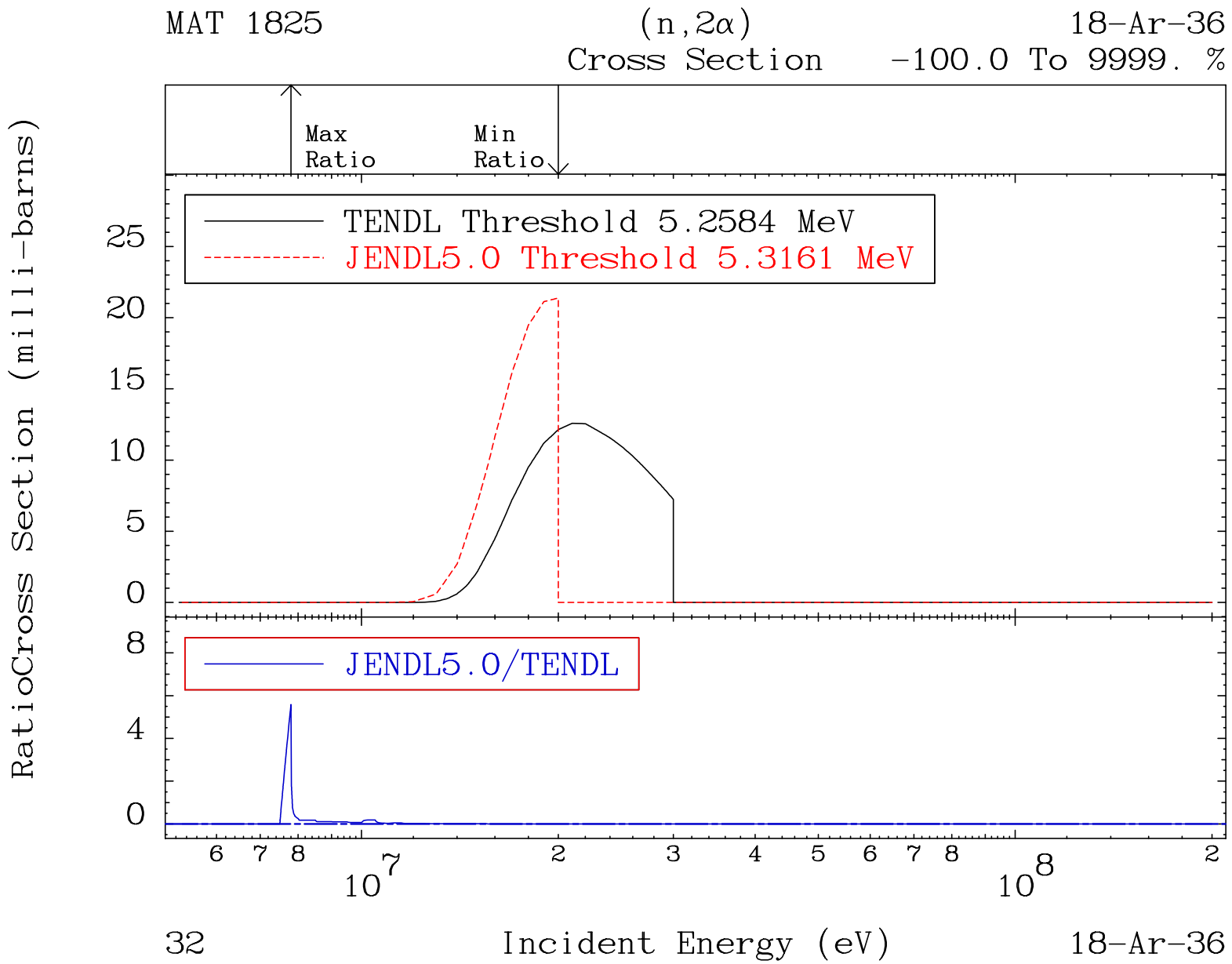

MAT 1825
(n,p)
Cross Section
18-Ar-36
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
27
18-Ar-36

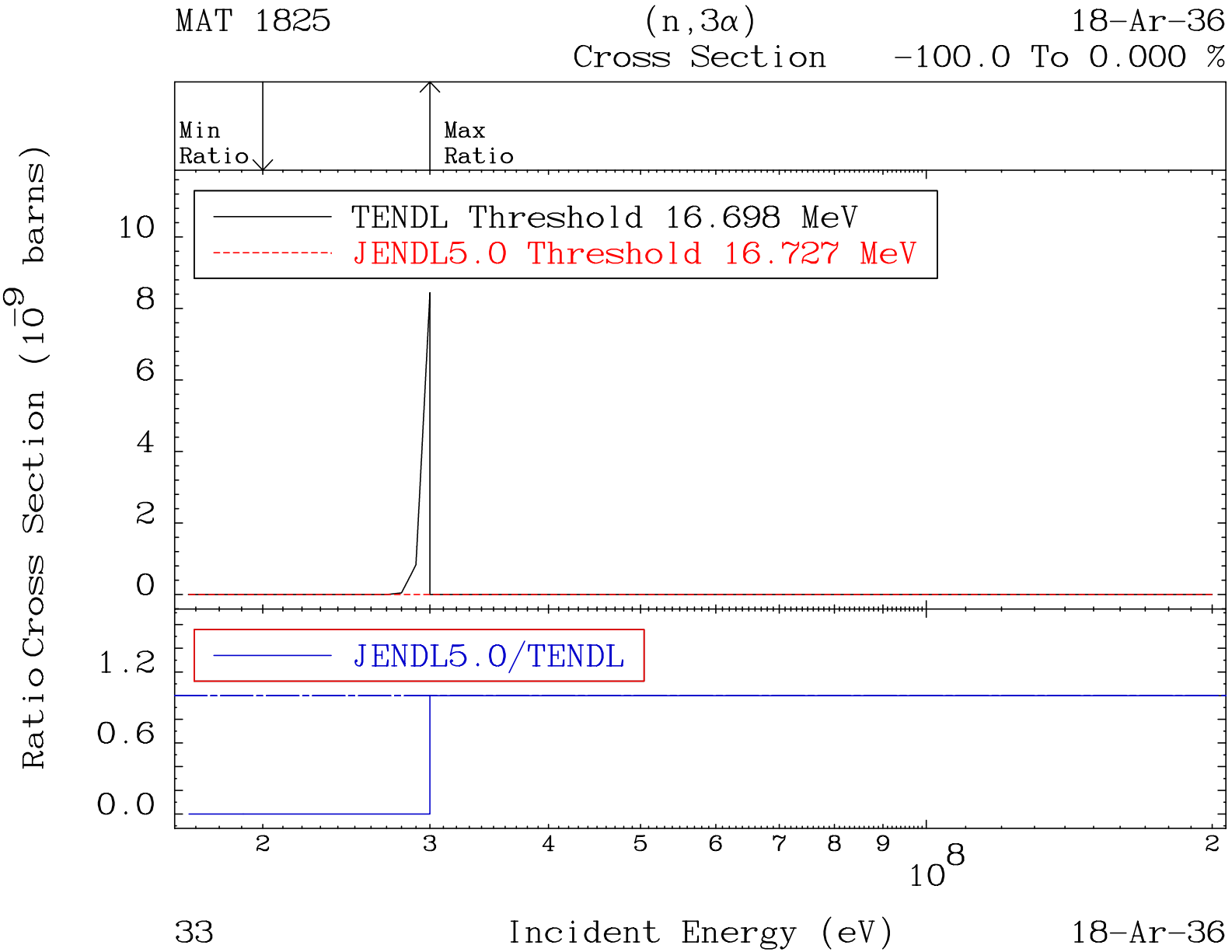

MAT 1825
(n,d)
Cross Section
18-Ar-36
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.4586 MeV
JENDL5.0 Threshold 6.4586 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
200
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
18-Ar-36

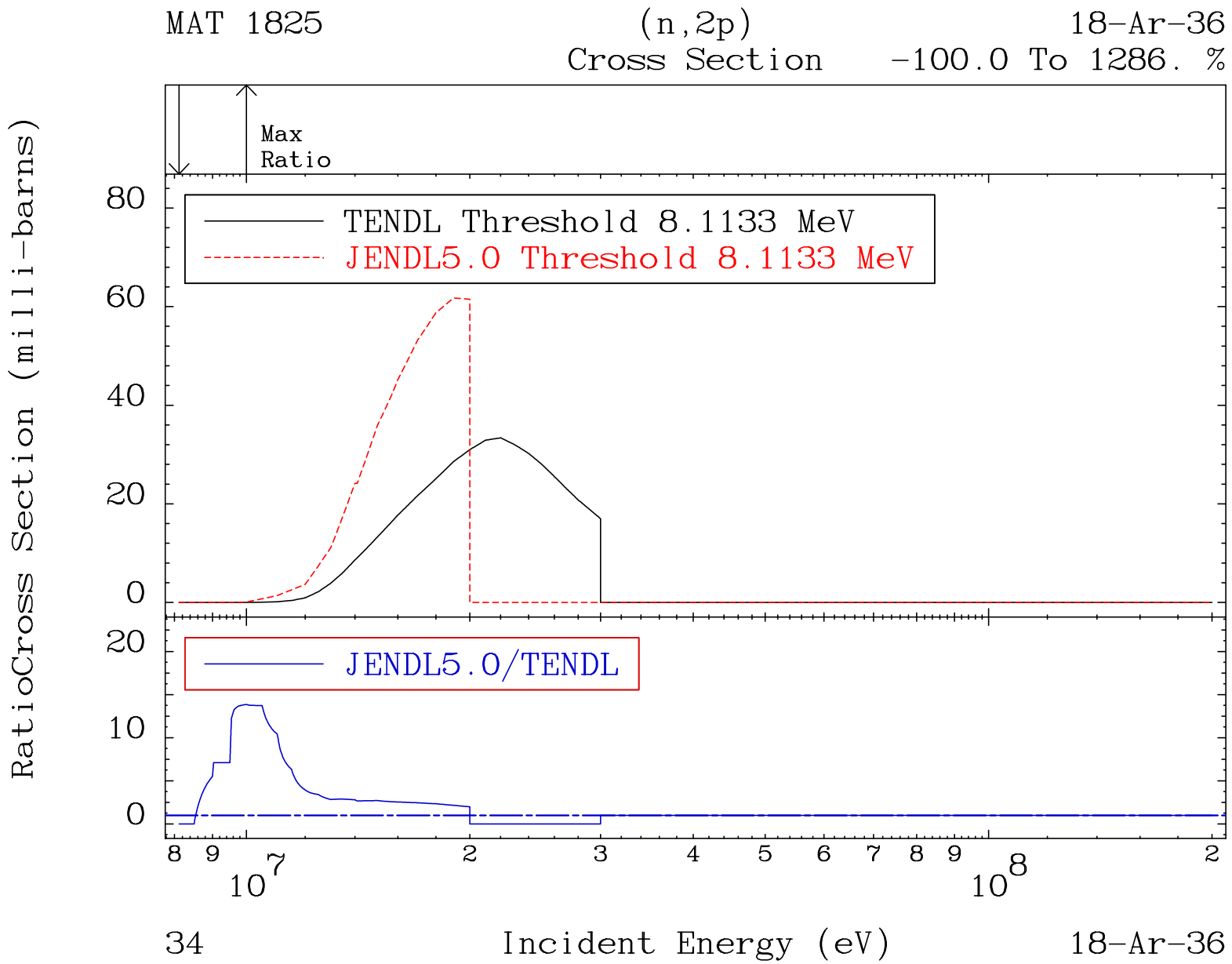

MAT 1825
(n,t)
Cross Section
18-Ar-36
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.025 MeV
JENDL5.0 Threshold 13.025 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
29
18-Ar-36

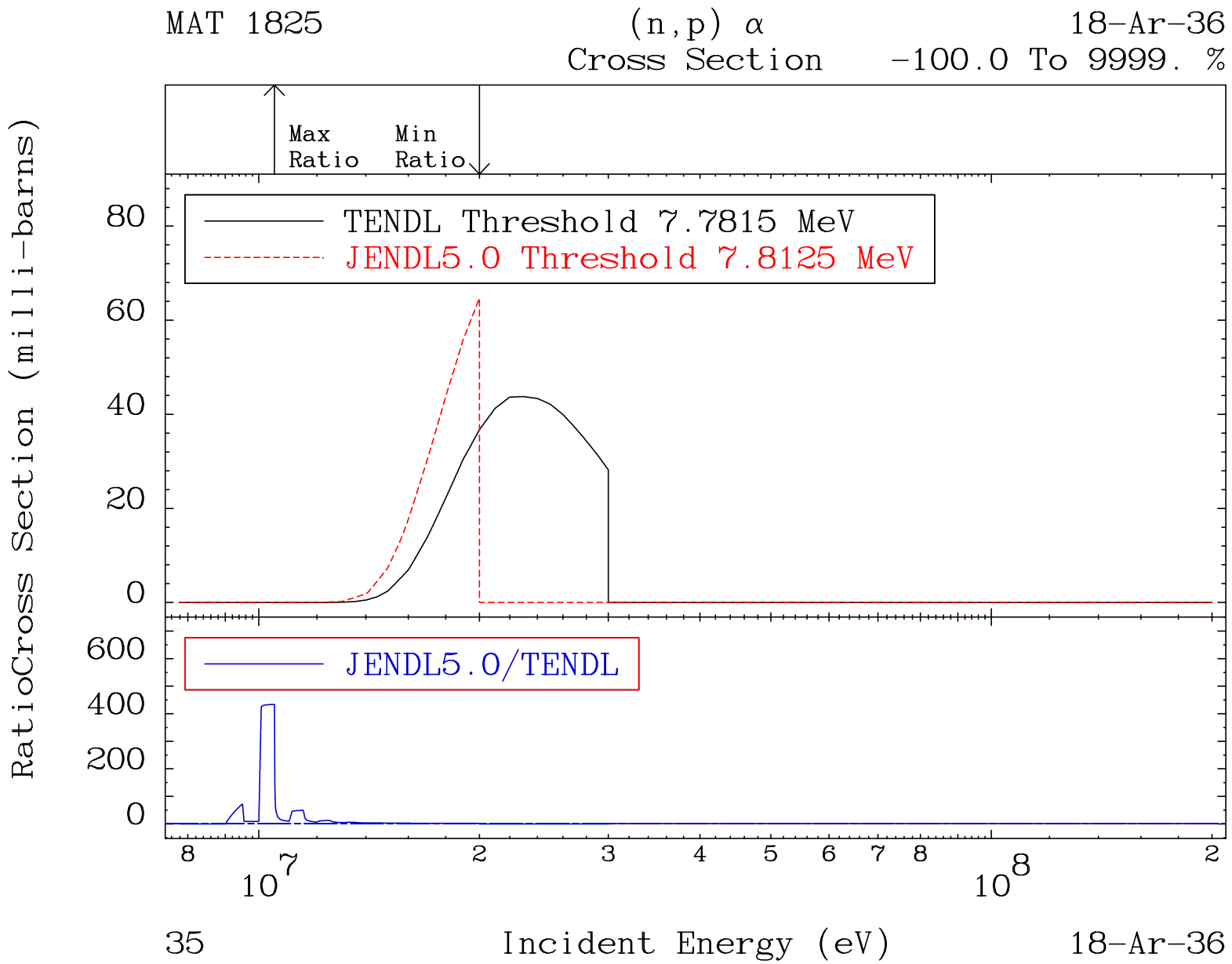

MAT 1825
(n,He-3)
Cross Section
18-Ar-36
-100.0 To 123.4 %
Min Ratio
Max Ratio
TENDL Threshold 7.3605 MeV
JENDL5.0 Threshold 7.3605 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
3.0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
30
Incident Energy (eV)
18-Ar-36

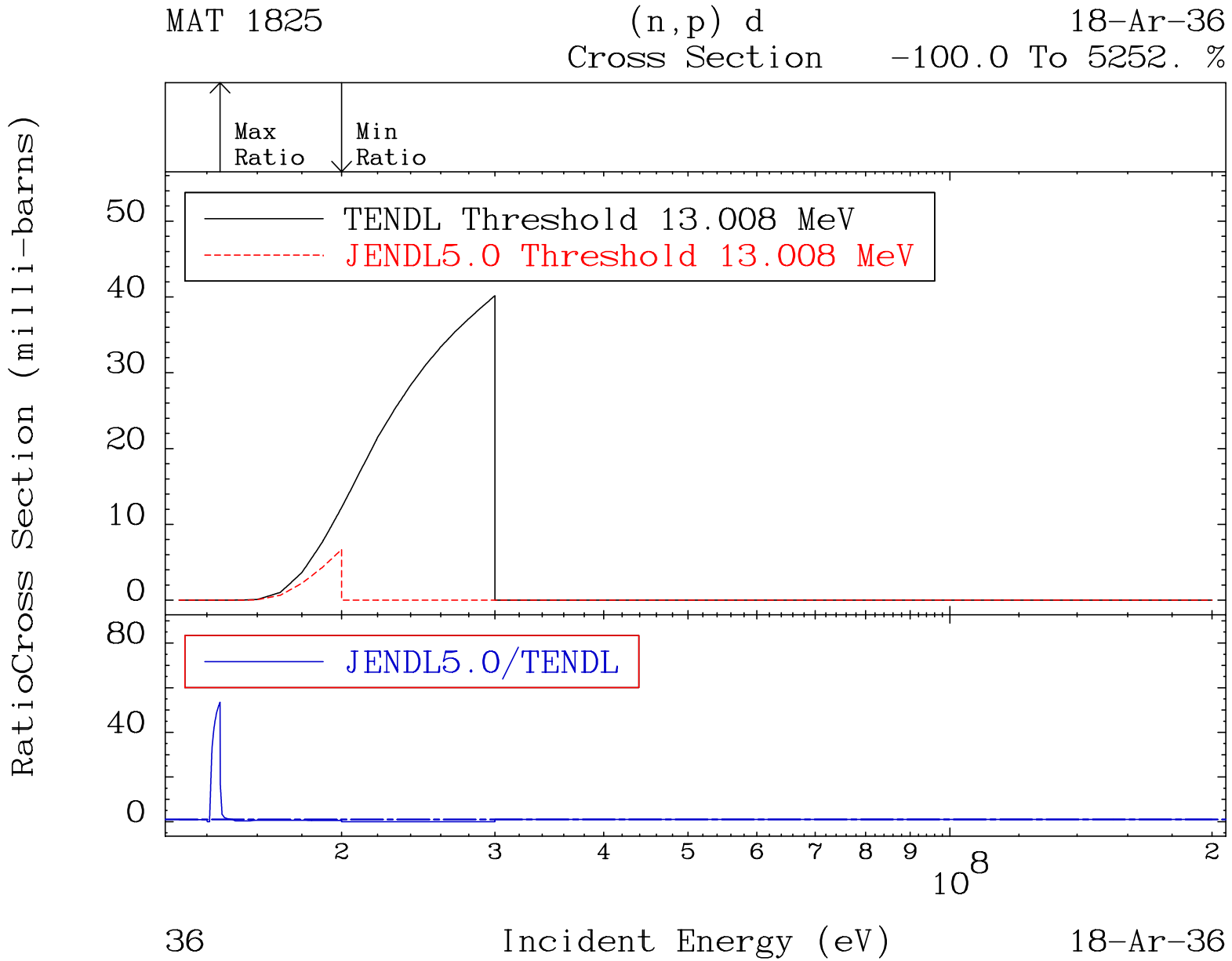

MAT 1825
(n,α)
Cross Section
18-Ar-36
-100.0 To 593.4 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
31
18-Ar-36

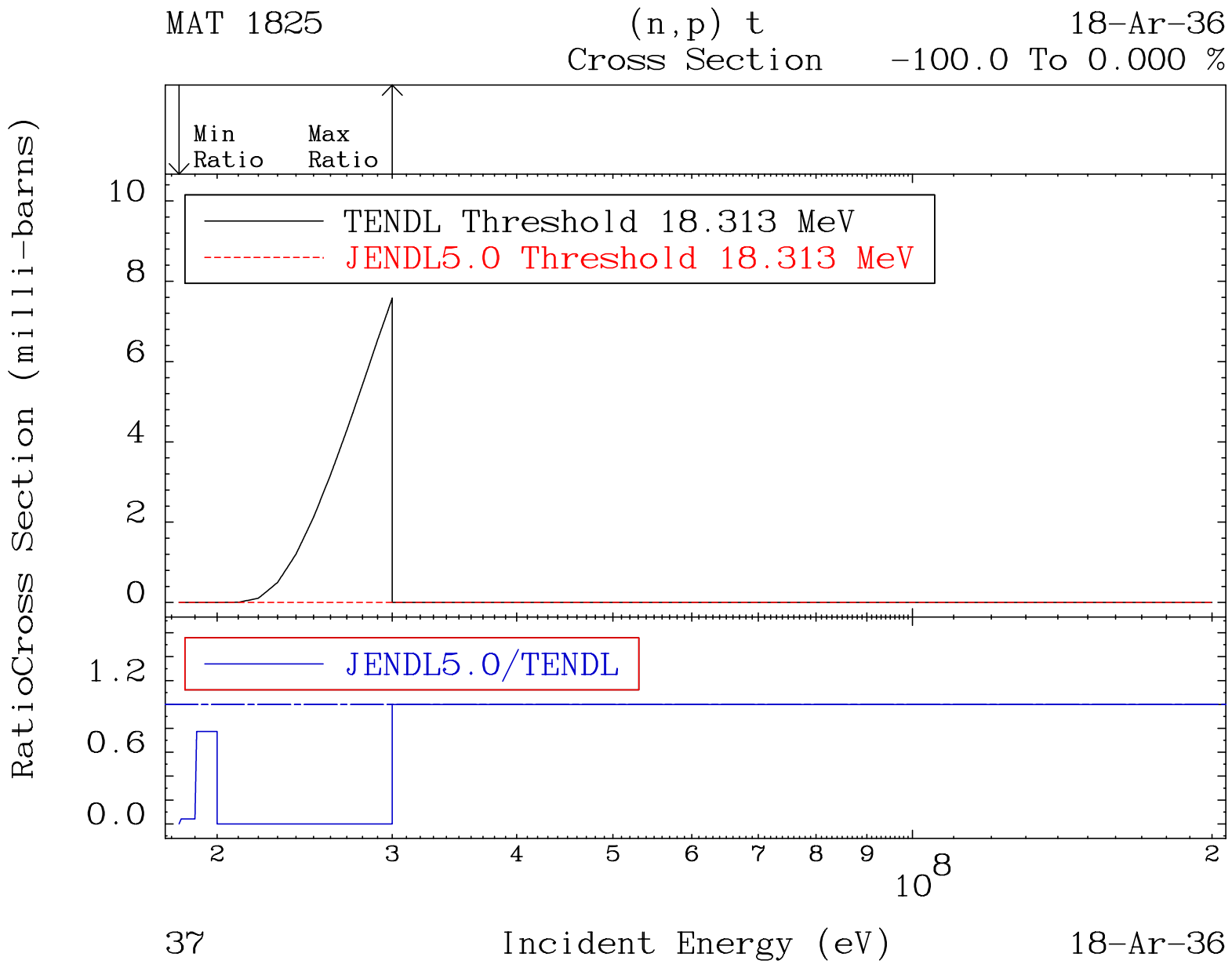

MAT 1825
(n,2α)
Cross Section
18-Ar-36
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.2584 MeV
JENDL5.0 Threshold 5.3161 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
32
18-Ar-36

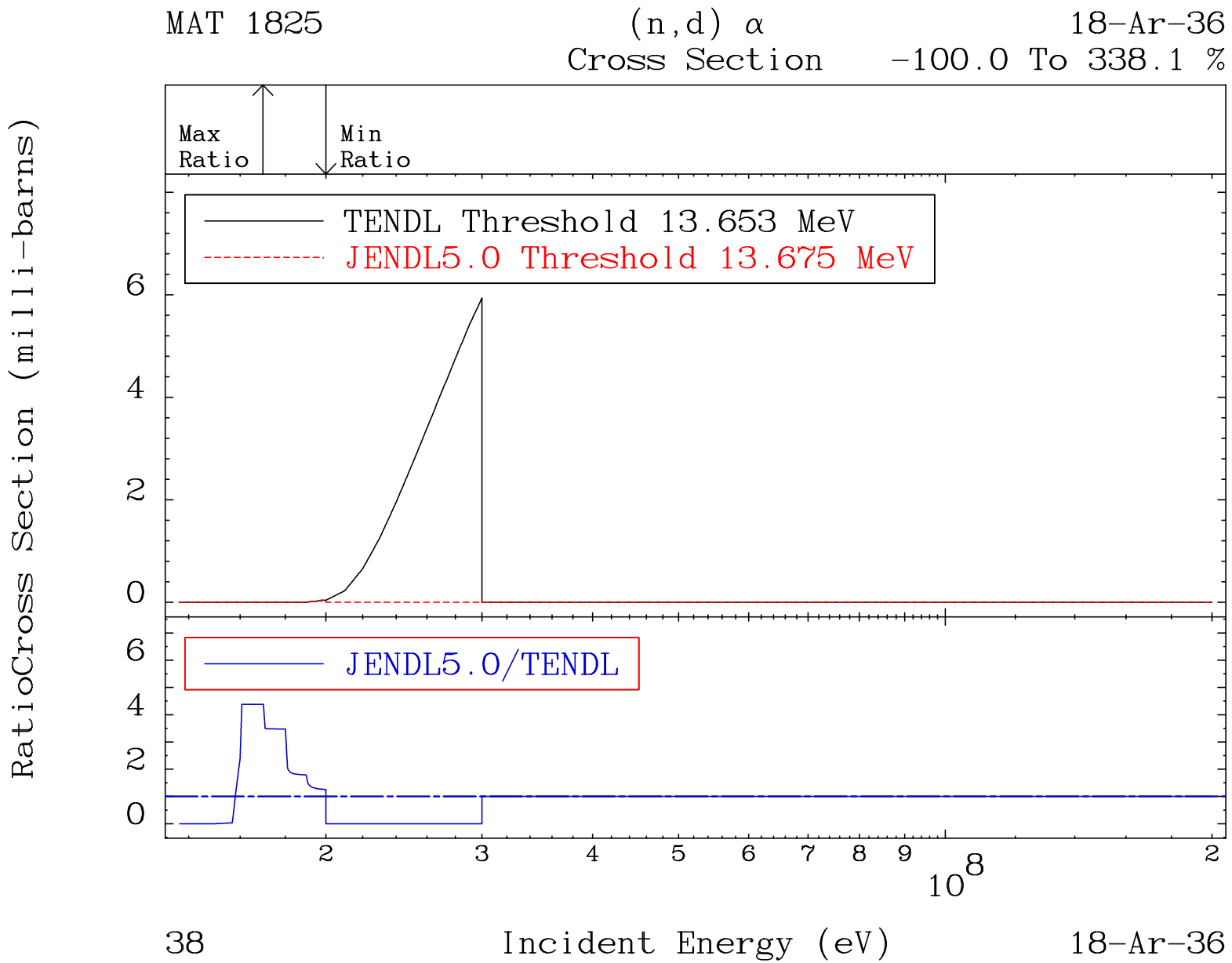

MAT 1825
(n,3α)
18-Ar-36
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 16.698 MeV
JENDL5.0 Threshold 16.727 MeV
JENDL5.0/TENDL
Ratio Cross Section (10^-9 barns)
10
8
6
4
2
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
33
Incident Energy (eV)
18-Ar-36

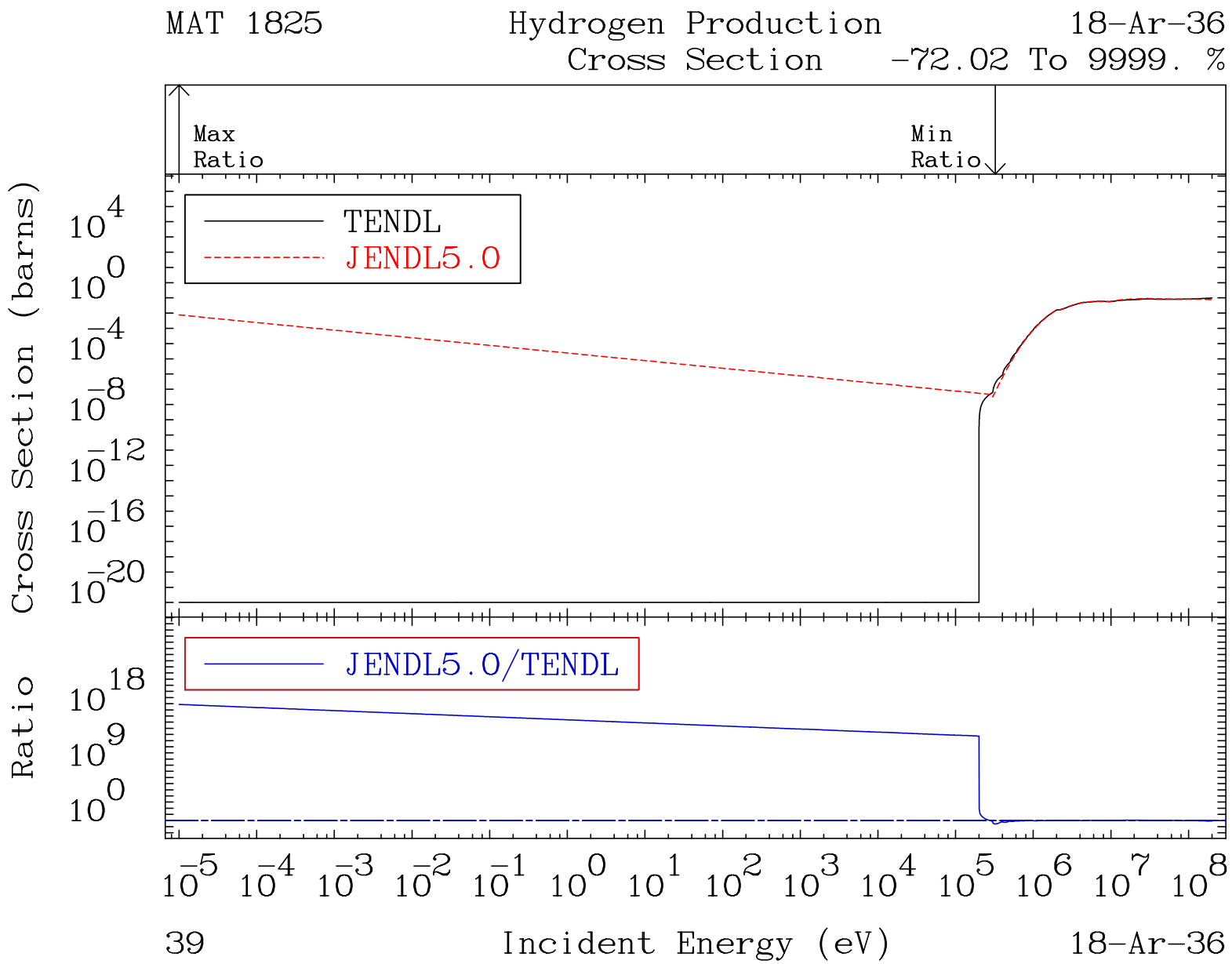

MAT 1825
(n,2p)
Cross Section
18-Ar-36
-100.0 To 1286. %
Max
Ratio
TENDL Threshold 8.1133 MeV
JENDL5.0 Threshold 8.1133 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
20
10
0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
18-Ar-36

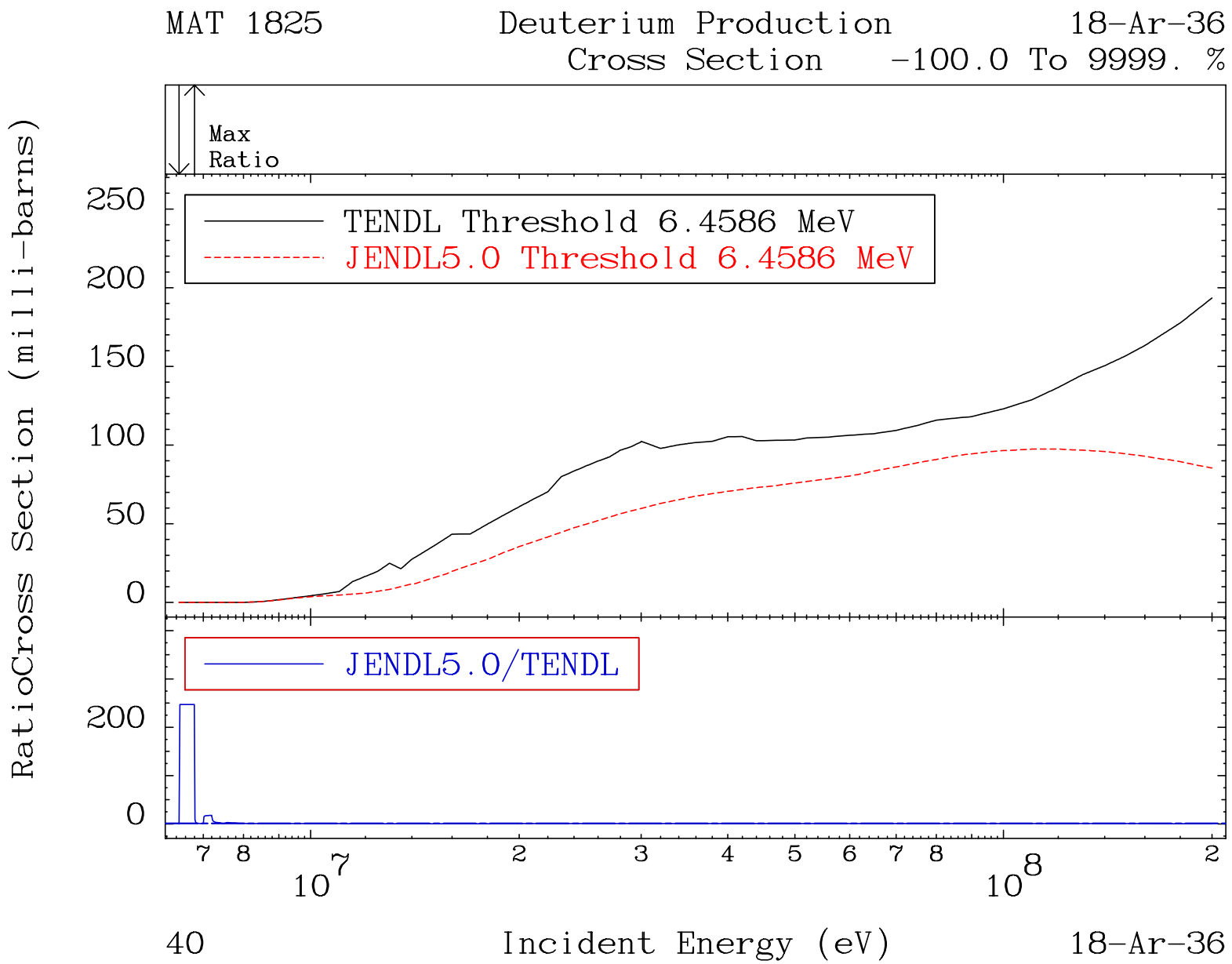

MAT 1825
(n,p) α
Cross Section
18-Ar-36
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.7815 MeV
JENDL5.0 Threshold 7.8125 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
600
400
200
0
8
10^7
2
3
4
5
6
7
8
10^8
2
35
Incident Energy (eV)
18-Ar-36

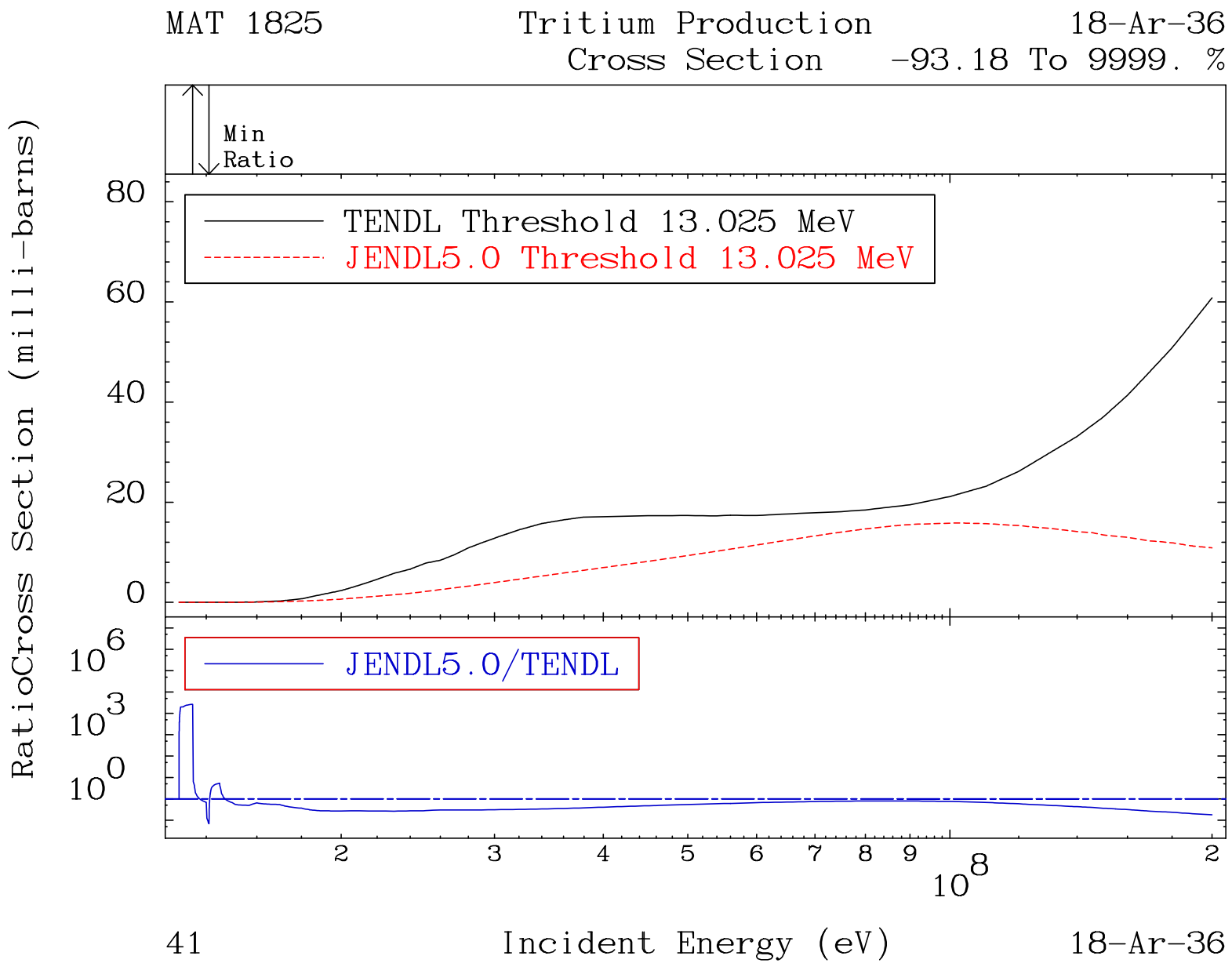

MAT 1825
(n,p) d
Cross Section
18-Ar-36
-100.0 To 5252. %
Max Ratio
Min Ratio
TENDL Threshold 13.008 MeV
JENDL5.0 Threshold 13.008 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
80
40
0
2
3
4
5
6
7
8
9
2
10^8
36
Incident Energy (eV)
18-Ar-36

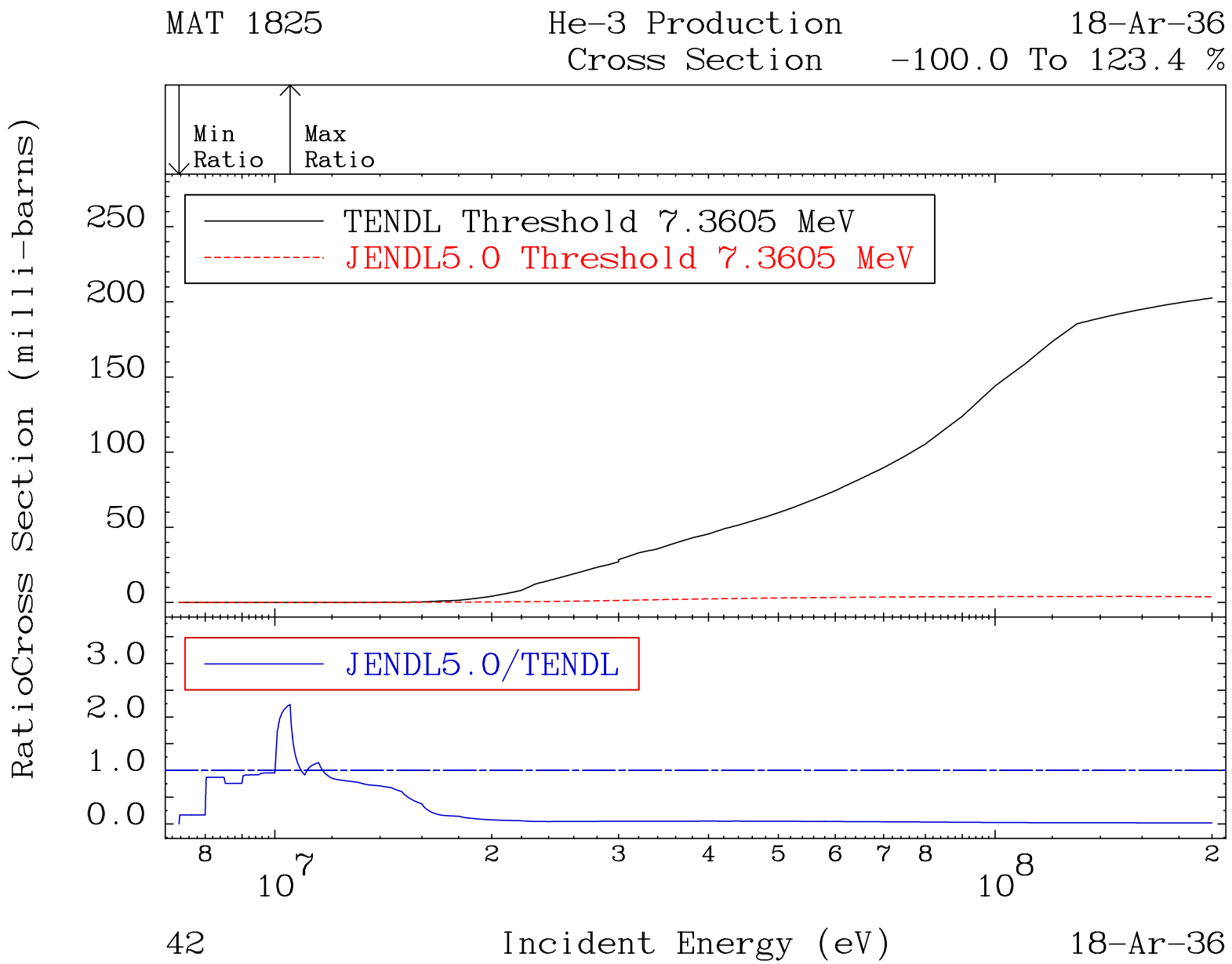

MAT 1825
(n,p) t
Cross Section
18-Ar-36
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 18.313 MeV
JENDL5.0 Threshold 18.313 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
37
Incident Energy (eV)
18-Ar-36

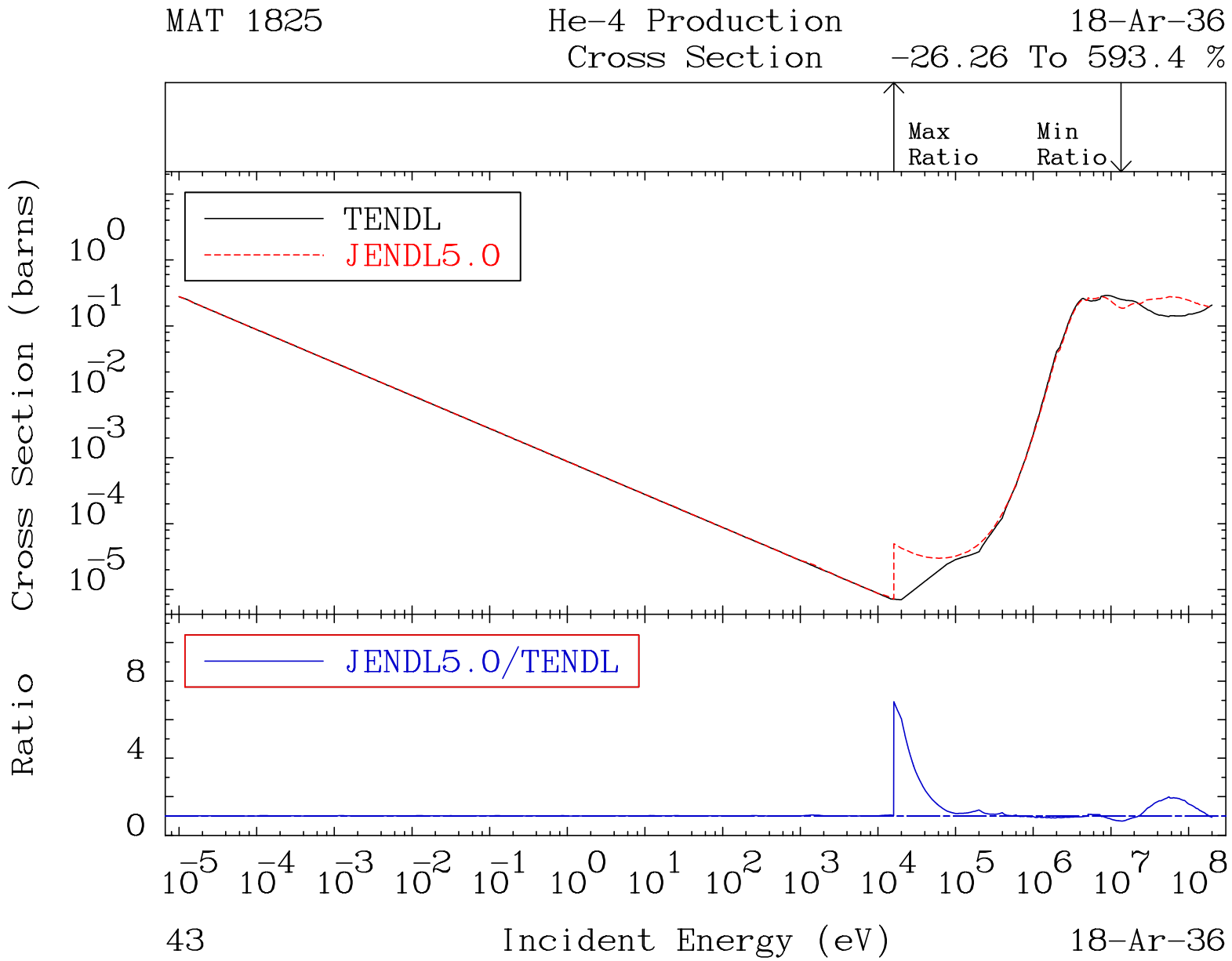

MAT 1825
(n,d) α
Cross Section
18-Ar-36
-100.0 To 338.1 %
Max Ratio
Min Ratio
TENDL Threshold 13.653 MeV
JENDL5.0 Threshold 13.675 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
0
2
4
6
2
3
4
5
6
7
8
9
10^8
2
38
Incident Energy (eV)
18-Ar-36

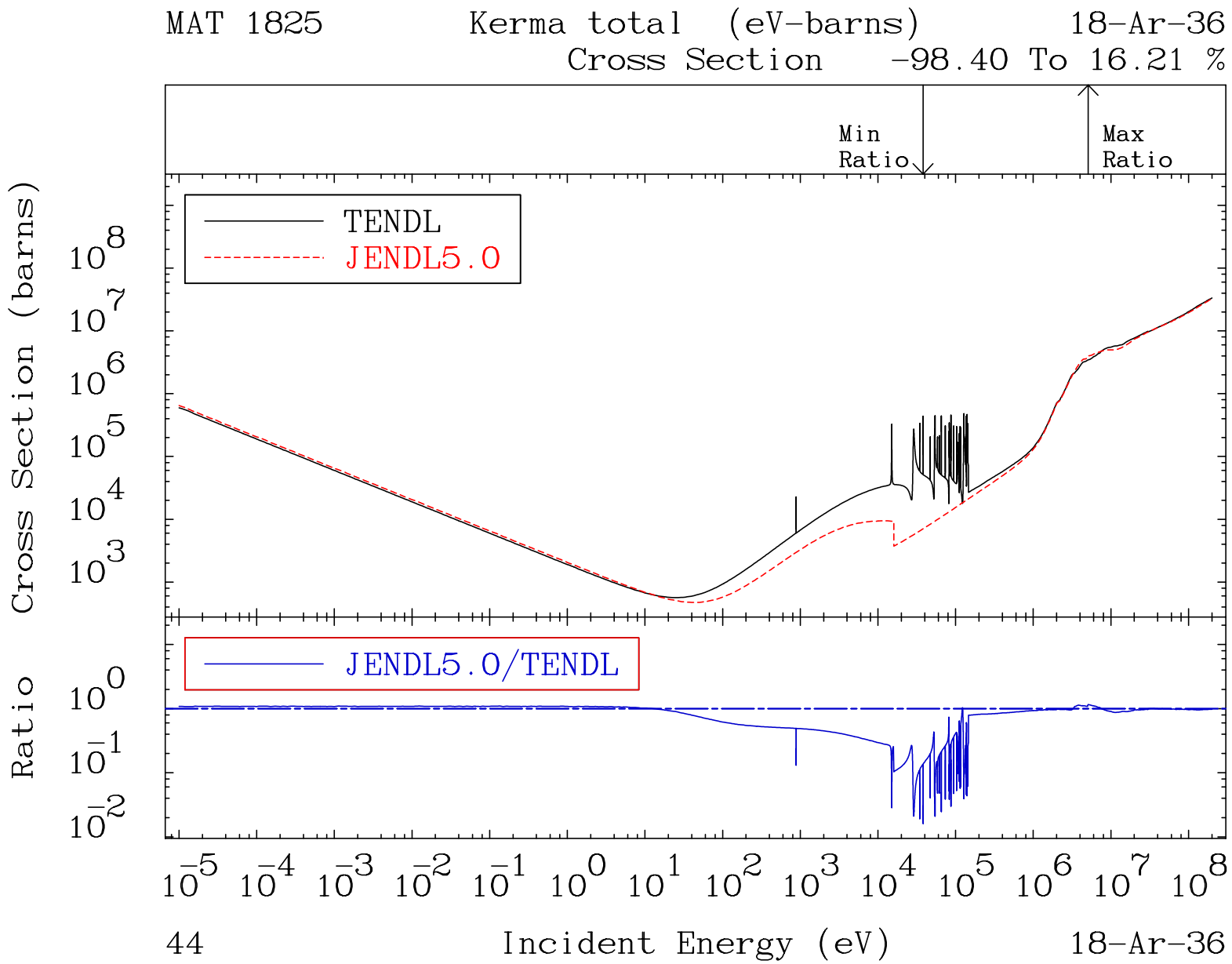

MAT 1825
Hydrogen Production
18-Ar-36
Cross Section -72.02 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
18-Ar-36

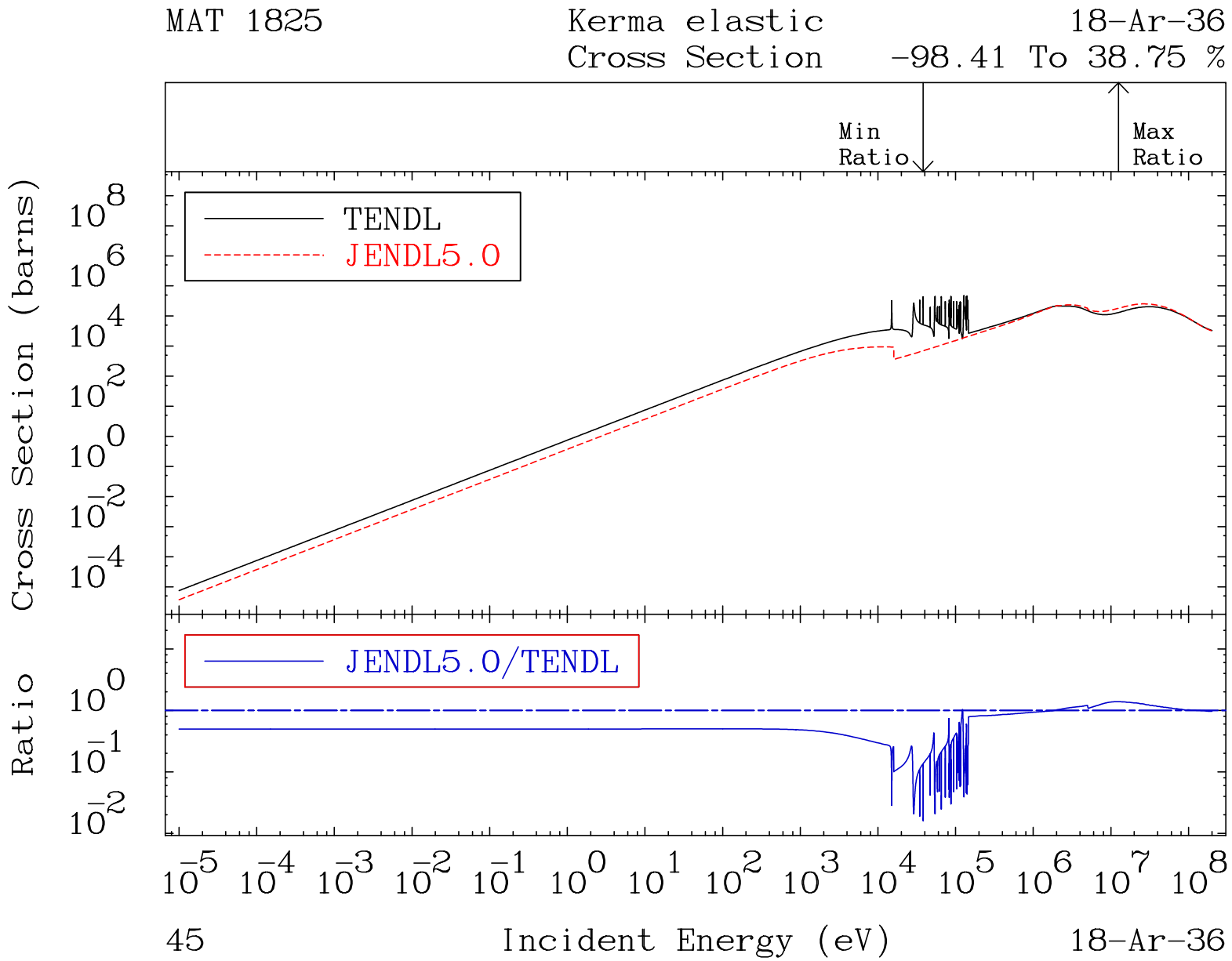

MAT 1825
Deuterium Production
18-Ar-36
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.4586 MeV
JENDL5.0 Threshold 6.4586 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
200
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
18-Ar-36

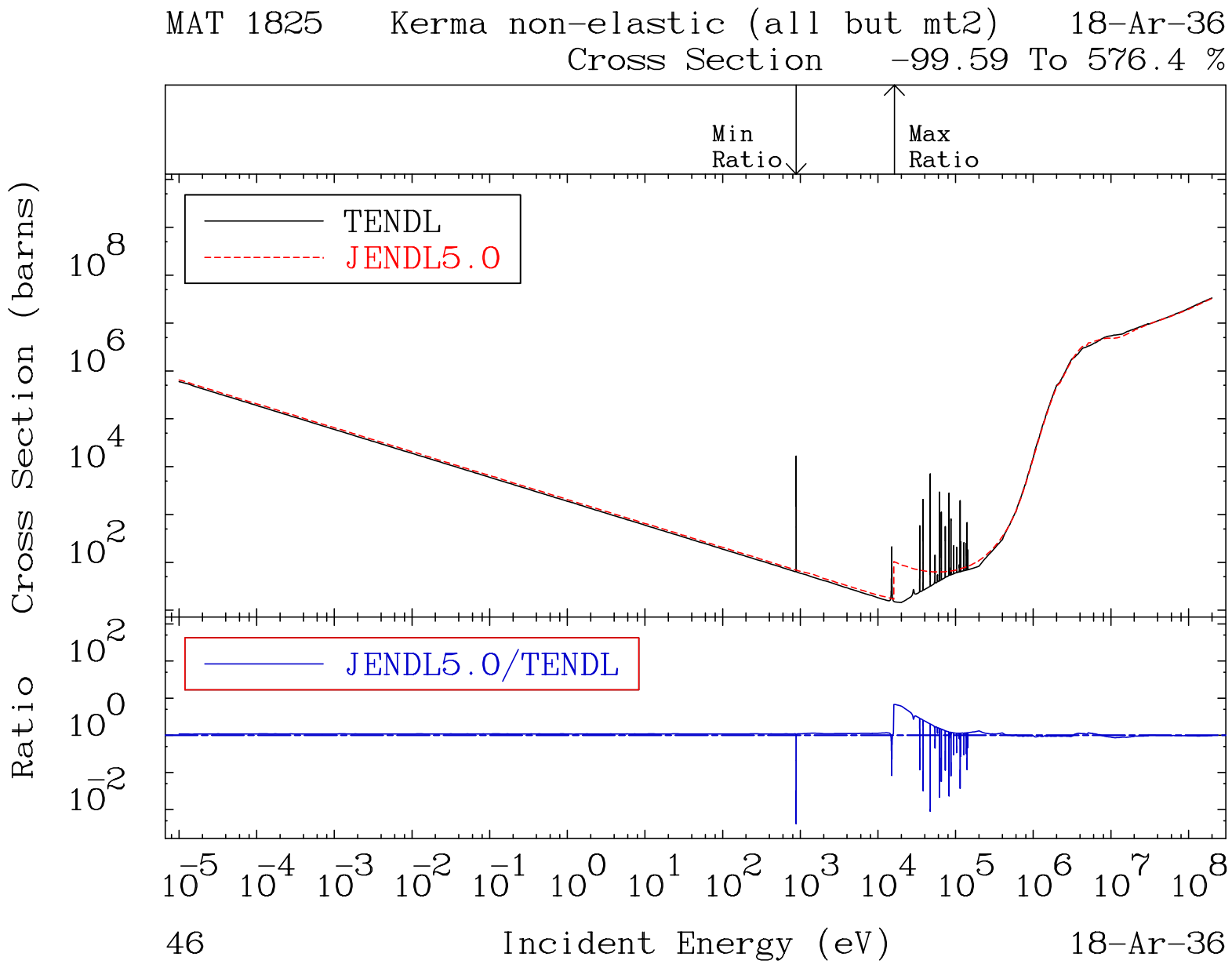

MAT 1825
Tritium Production
18-Ar-36
Cross Section
-93.18 To 9999. %
Min
Ratio
TENDL Threshold 13.025 MeV
JENDL5.0 Threshold 13.025 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
10^6
10^3
10^0
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
18-Ar-36

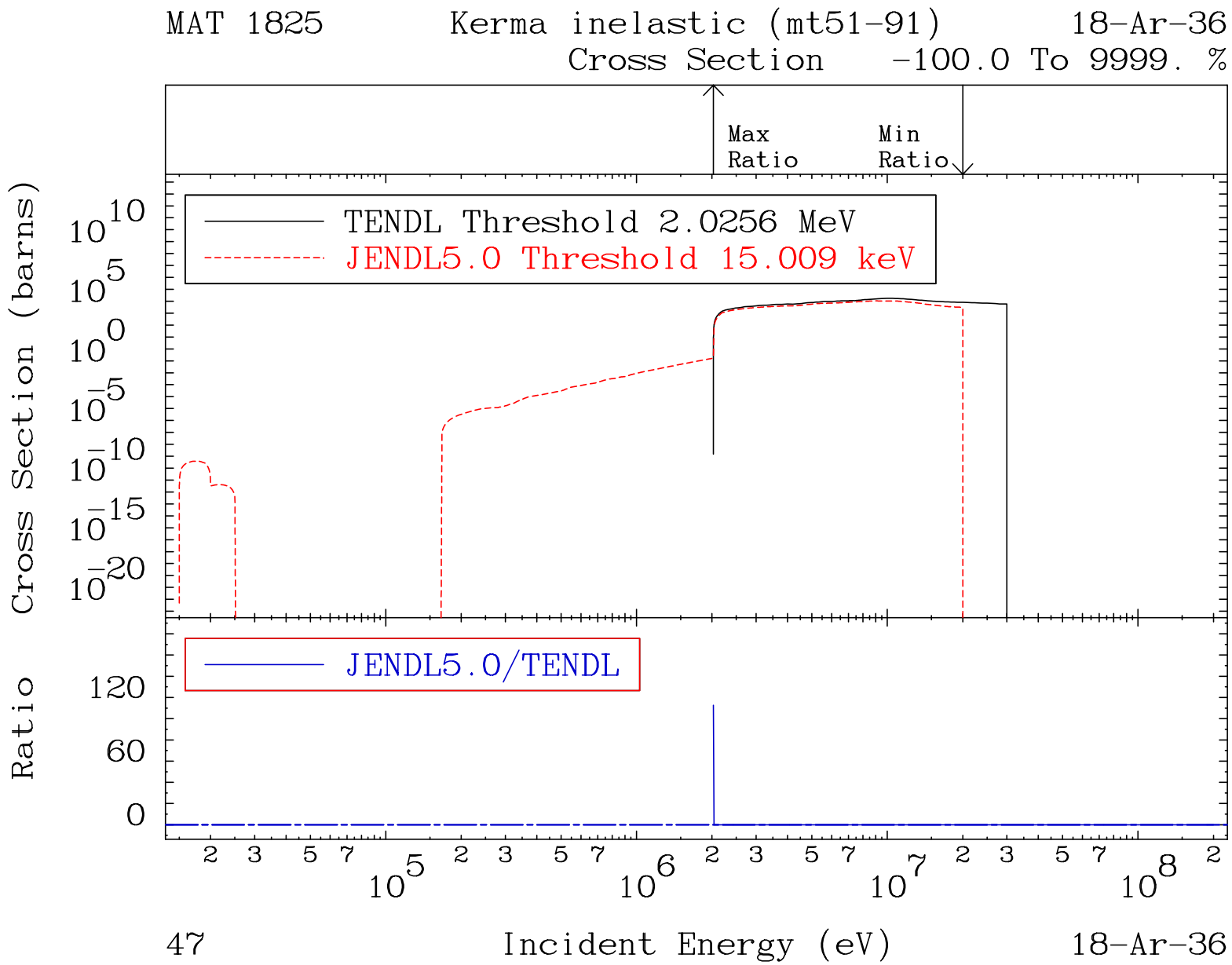

MAT 1825
He-3 Production
Cross Section
18-Ar-36
-100.0 To 123.4 %
Min Ratio
Max Ratio
TENDL Threshold 7.3605 MeV
JENDL5.0 Threshold 7.3605 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
3.0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
42
Incident Energy (eV)
18-Ar-36

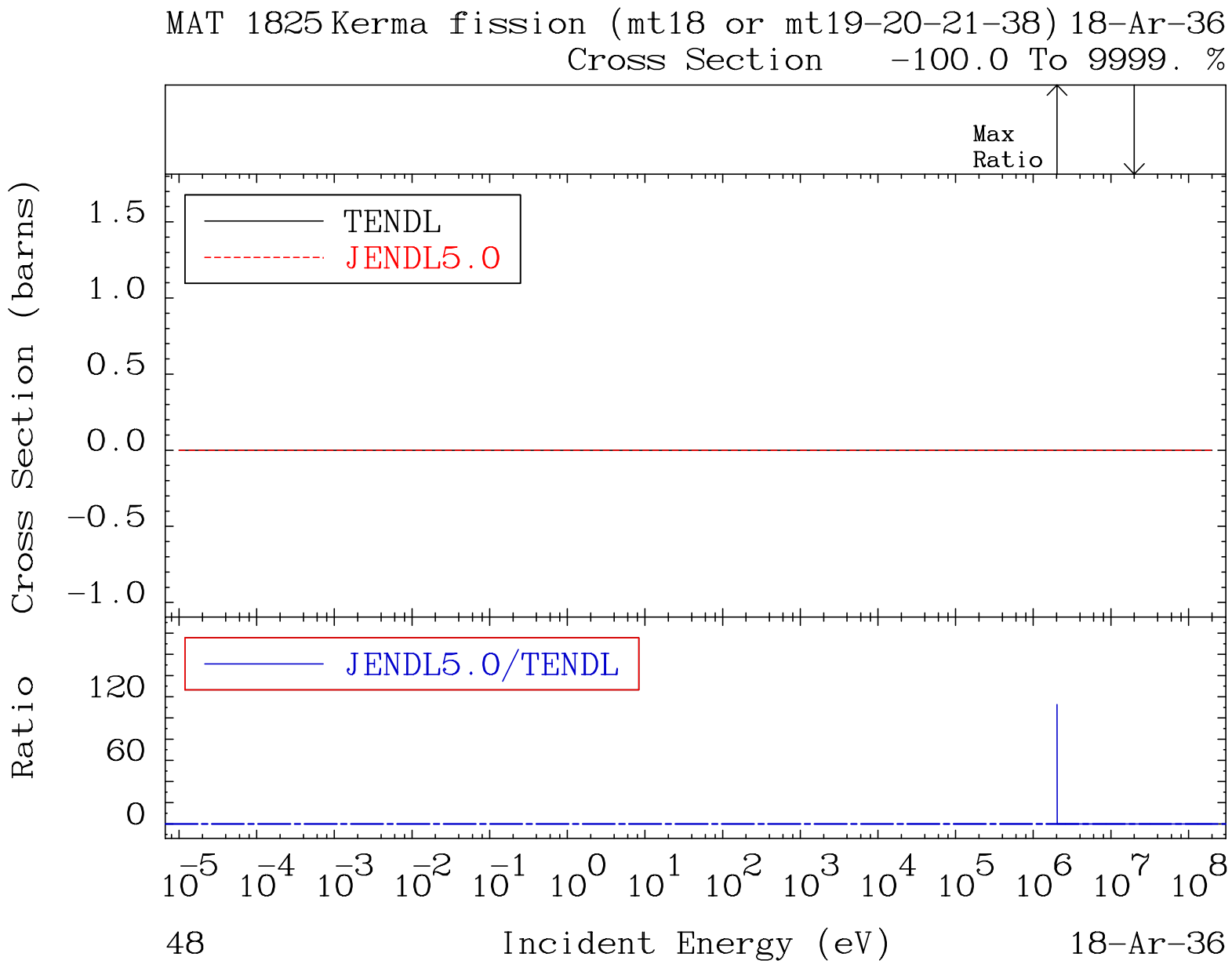

MAT 1825
He-4 Production
Cross Section
18-Ar-36
-26.26 To 593.4 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
43
18-Ar-36

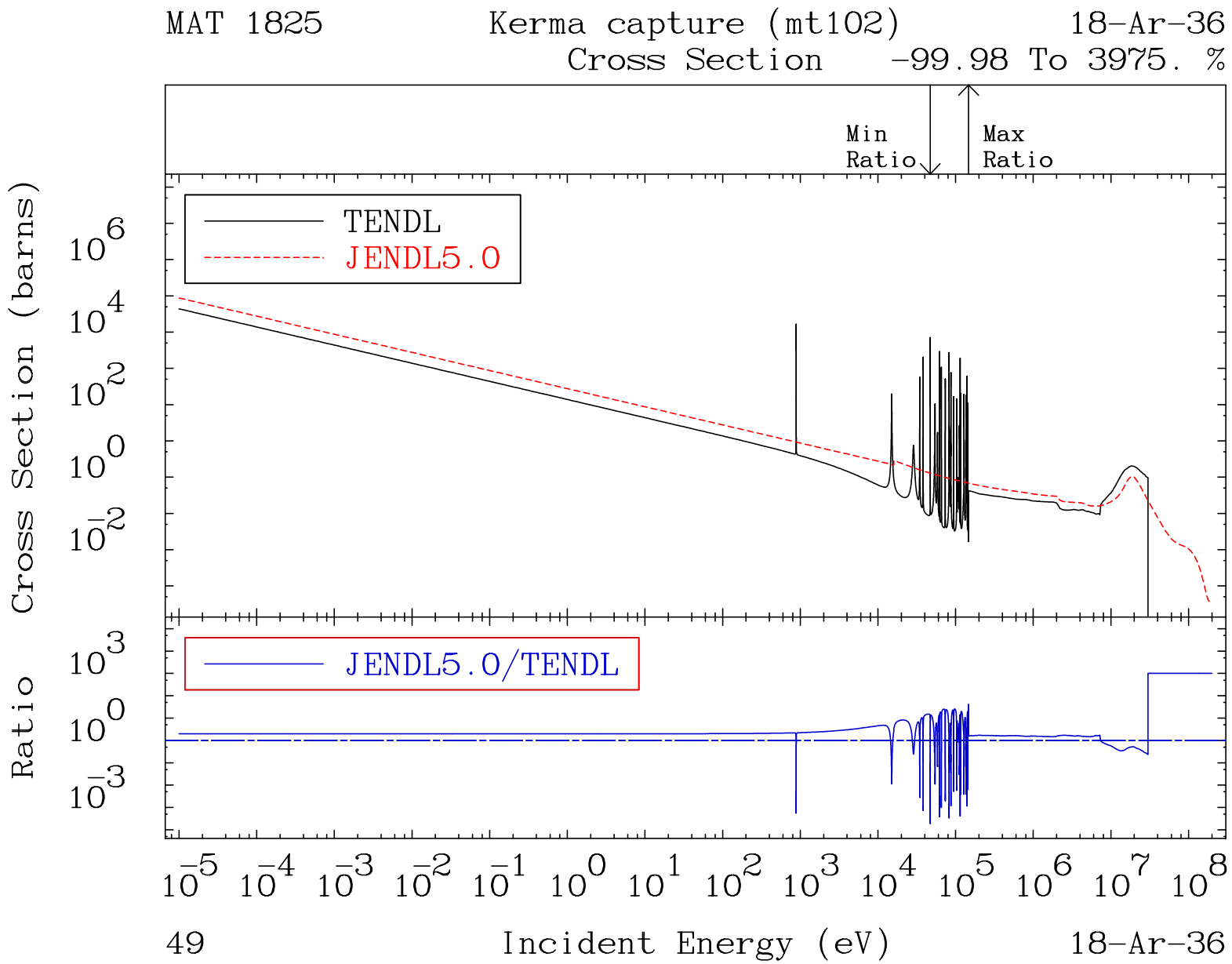

MAT 1825
Kerma total (eV-barns)
18-Ar-36
Cross Section -98.40 To 16.21 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
44
18-Ar-36

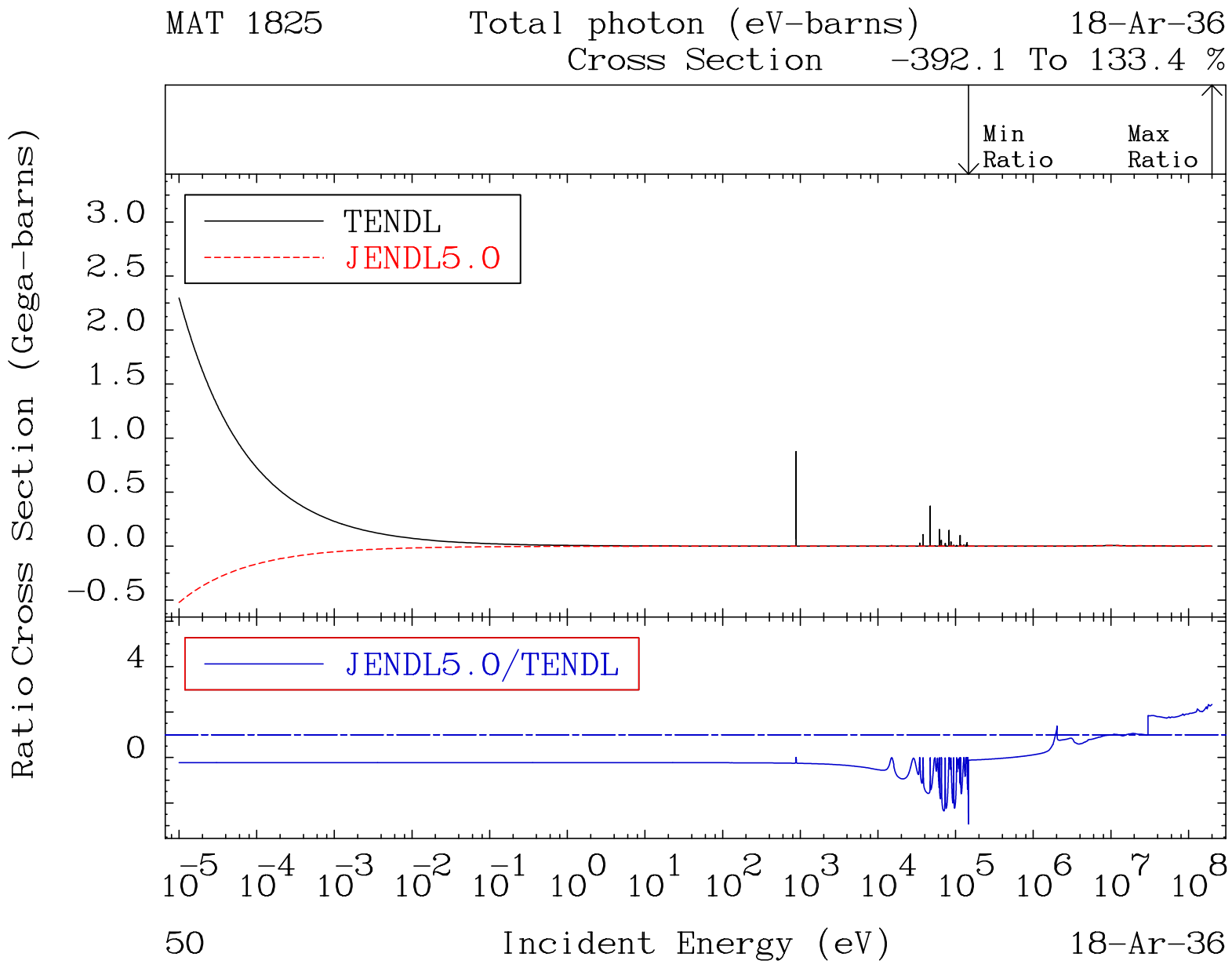

MAT 1825
Kerma elastic
Cross Section
18-Ar-36
-98.41 To 38.75 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
18-Ar-36

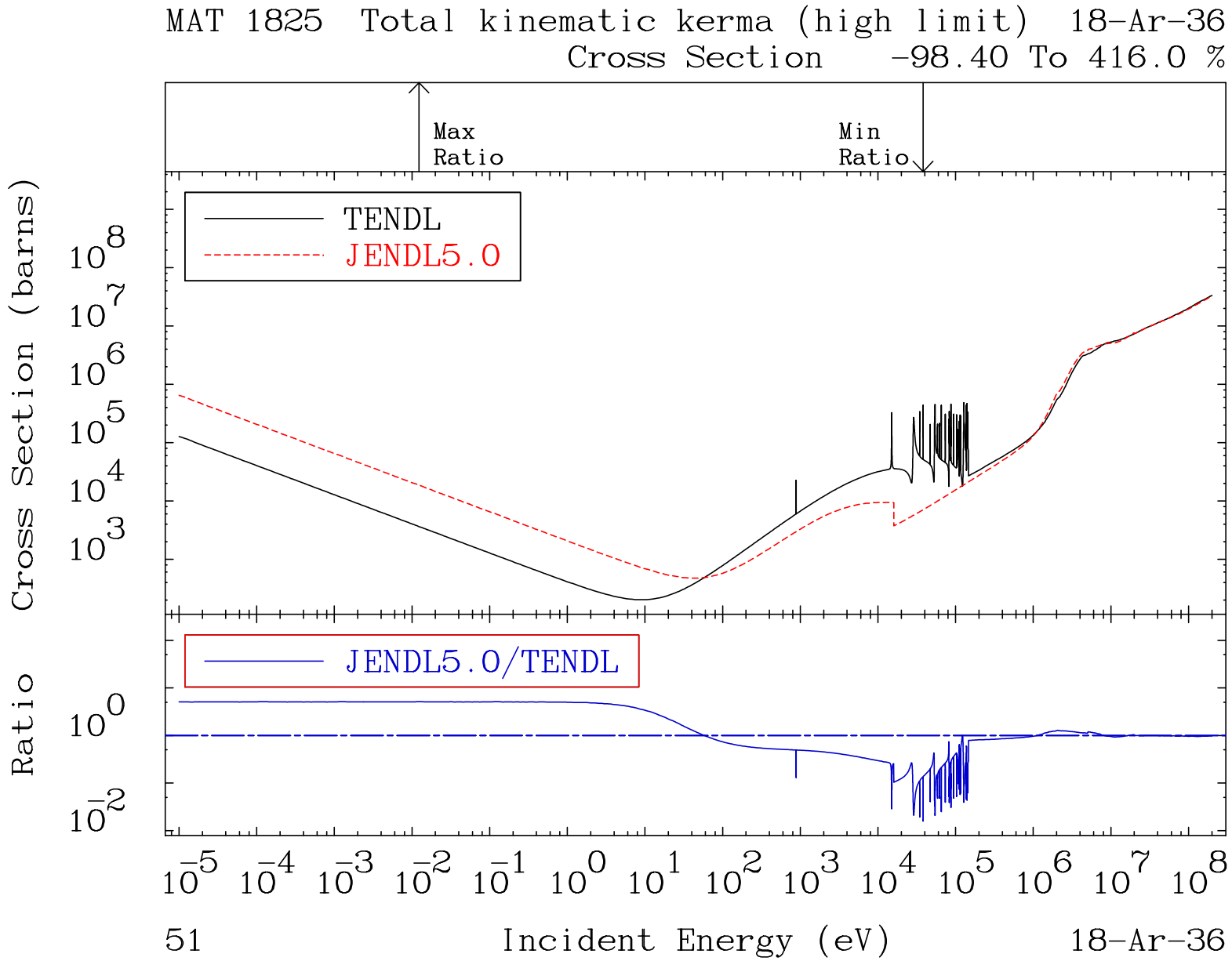

MAT 1825 Kerma non-elastic (all but mt2) 18-Ar-36
Cross Section -99.59 To 576.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
18-Ar-36

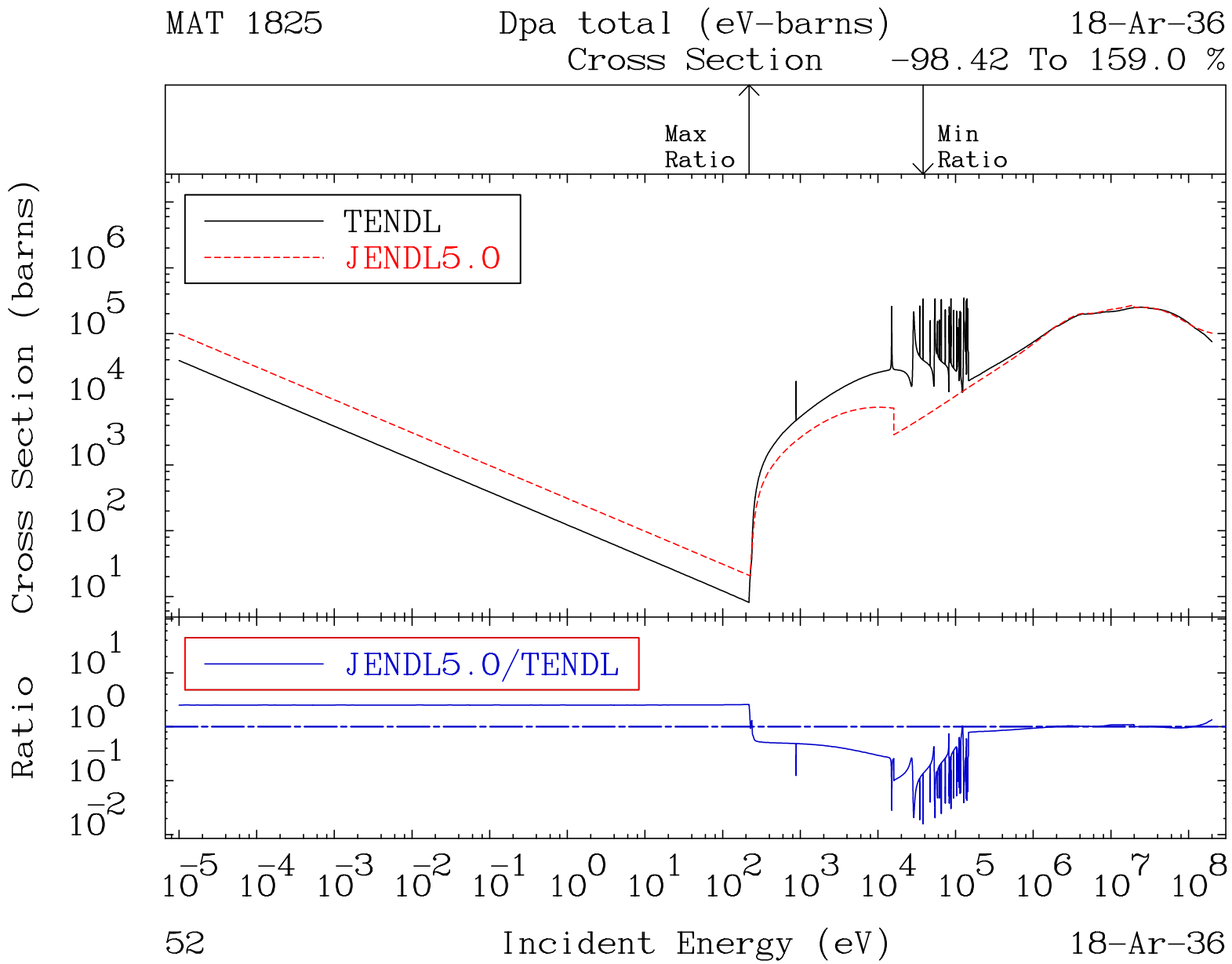

MAT 1825
Kerma inelastic (mt51-91)
18-Ar-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.0256 MeV
JENDL5.0 Threshold 15.009 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
47
18-Ar-36

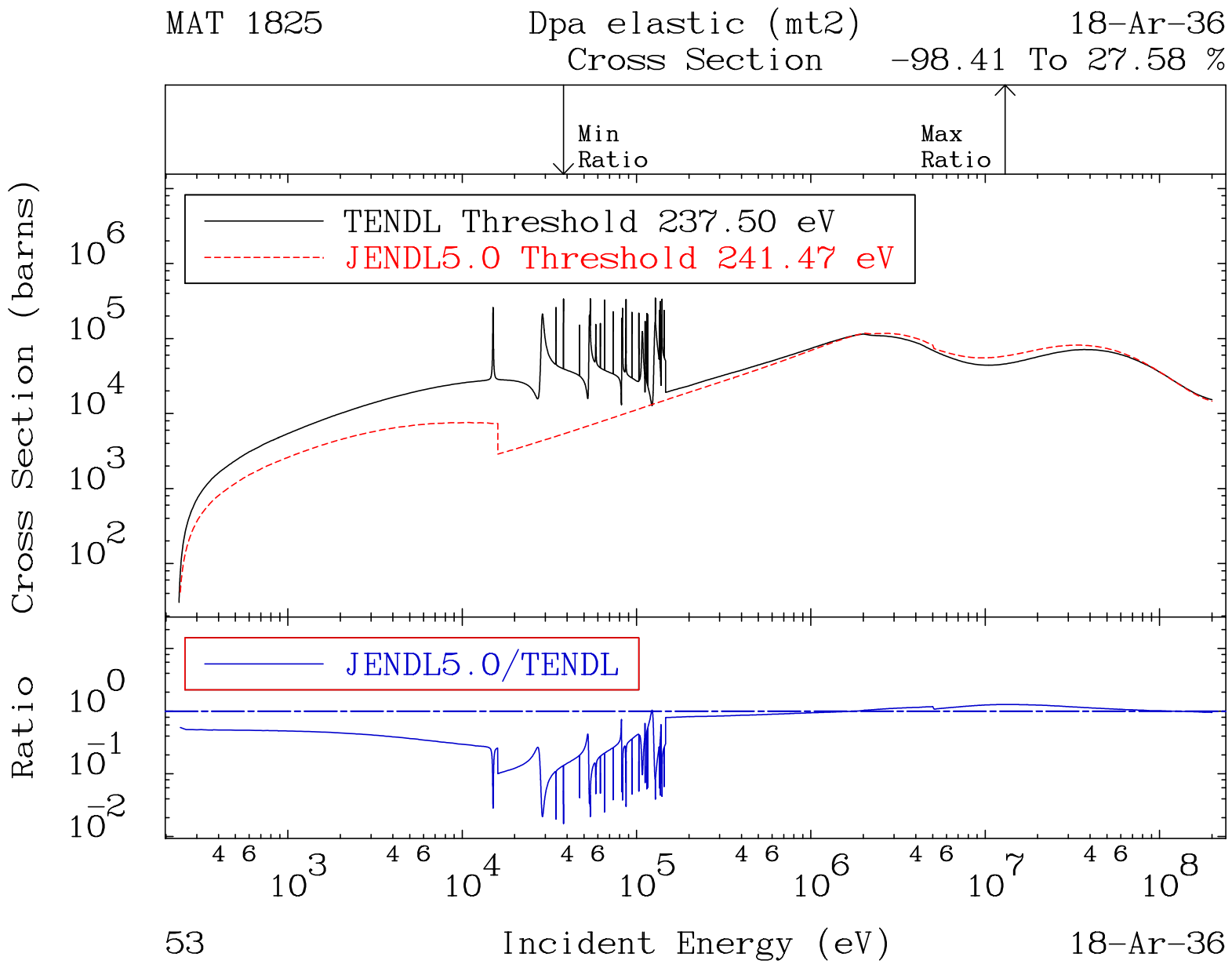

MAT 1825 Kerma fission (mt18 or mt19-20-21-38) 18-Ar-36
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
120
60
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
48
Incident Energy (eV)
18-Ar-36

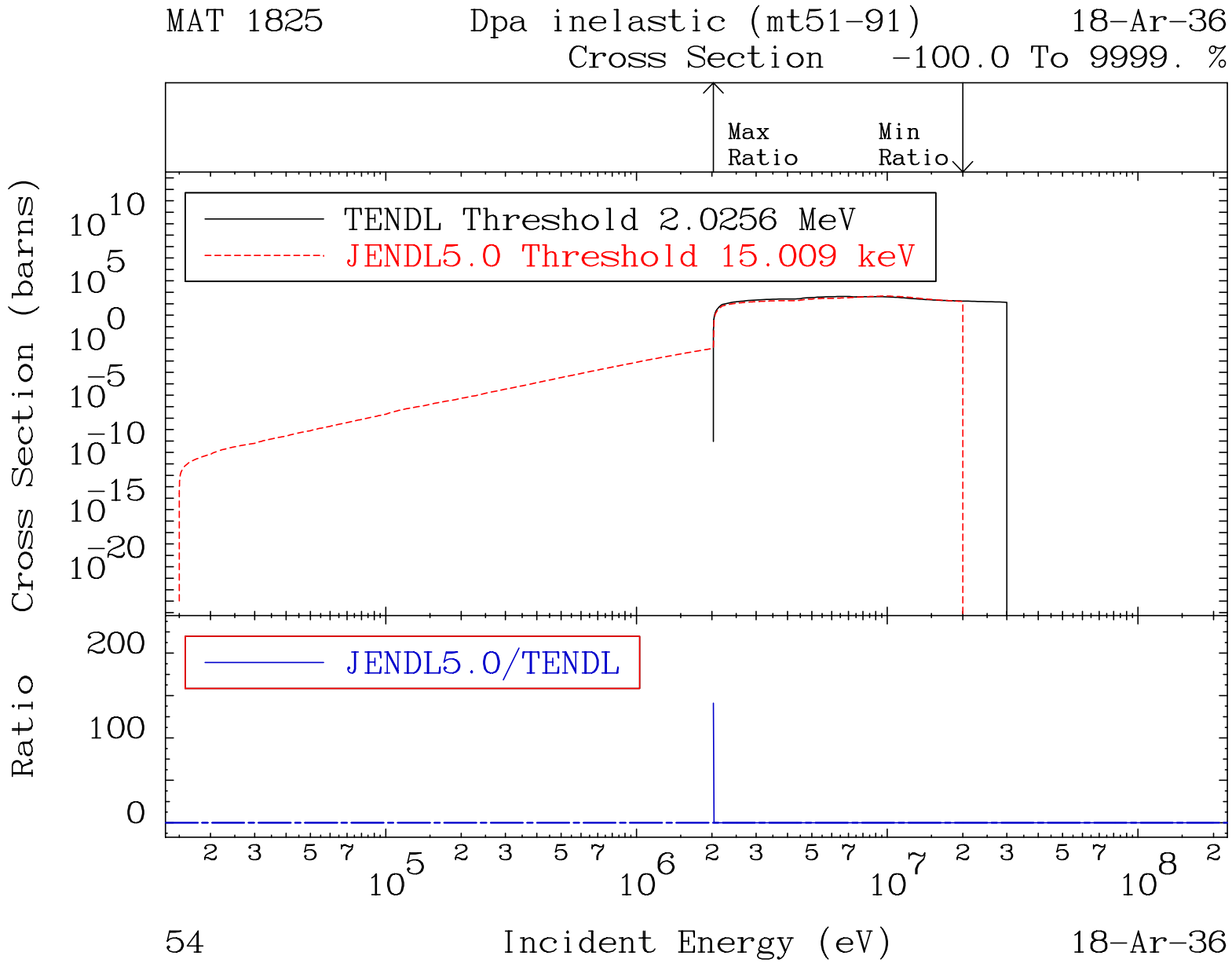

MAT 1825
Kerma capture (mt102)
18-Ar-36
Cross Section -99.98 To 3975. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
18-Ar-36

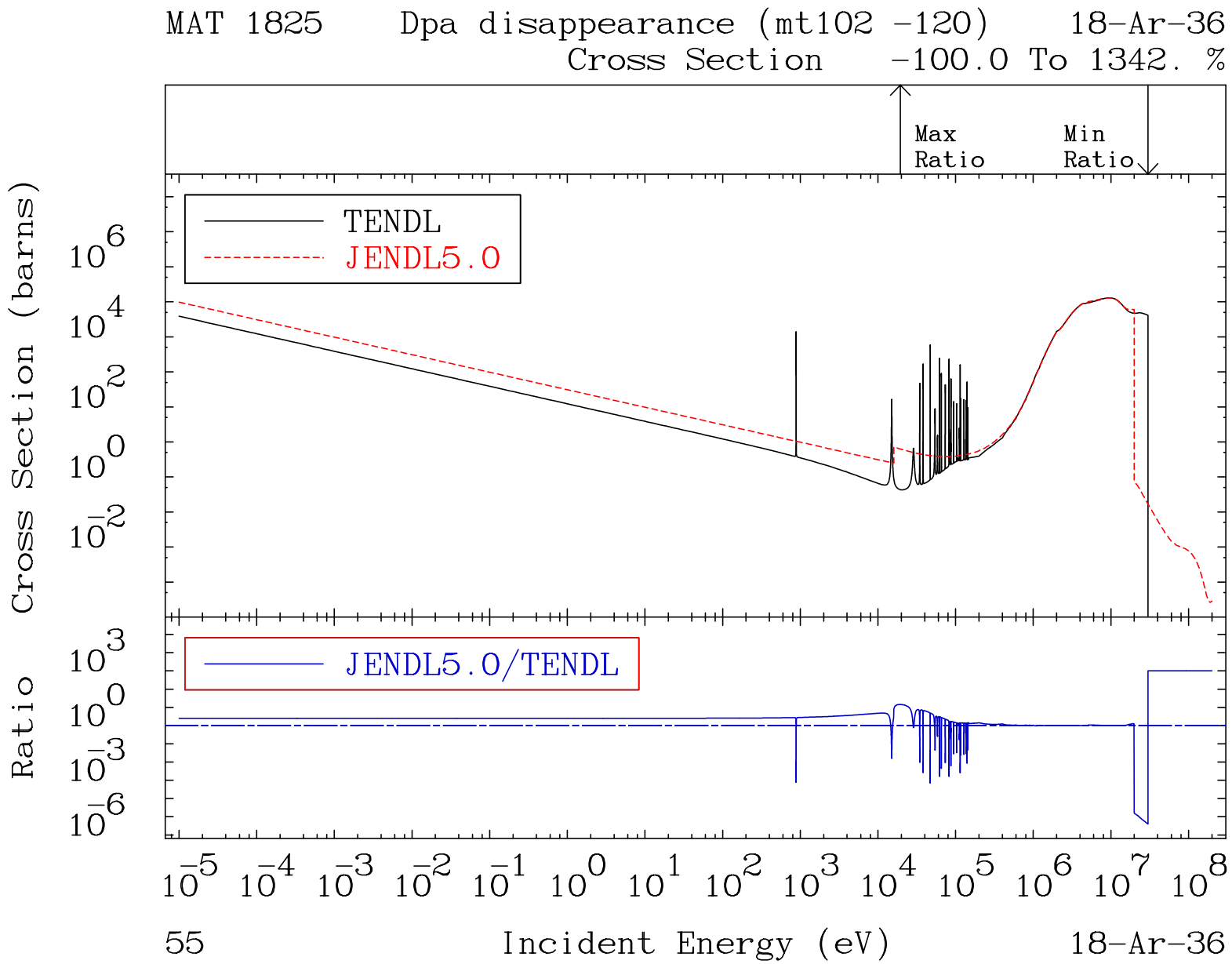

MAT 1825
Total photon (eV-barns)
18-Ar-36
Cross Section -392.1 To 133.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Giga-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
50
Incident Energy (eV)
18-Ar-36

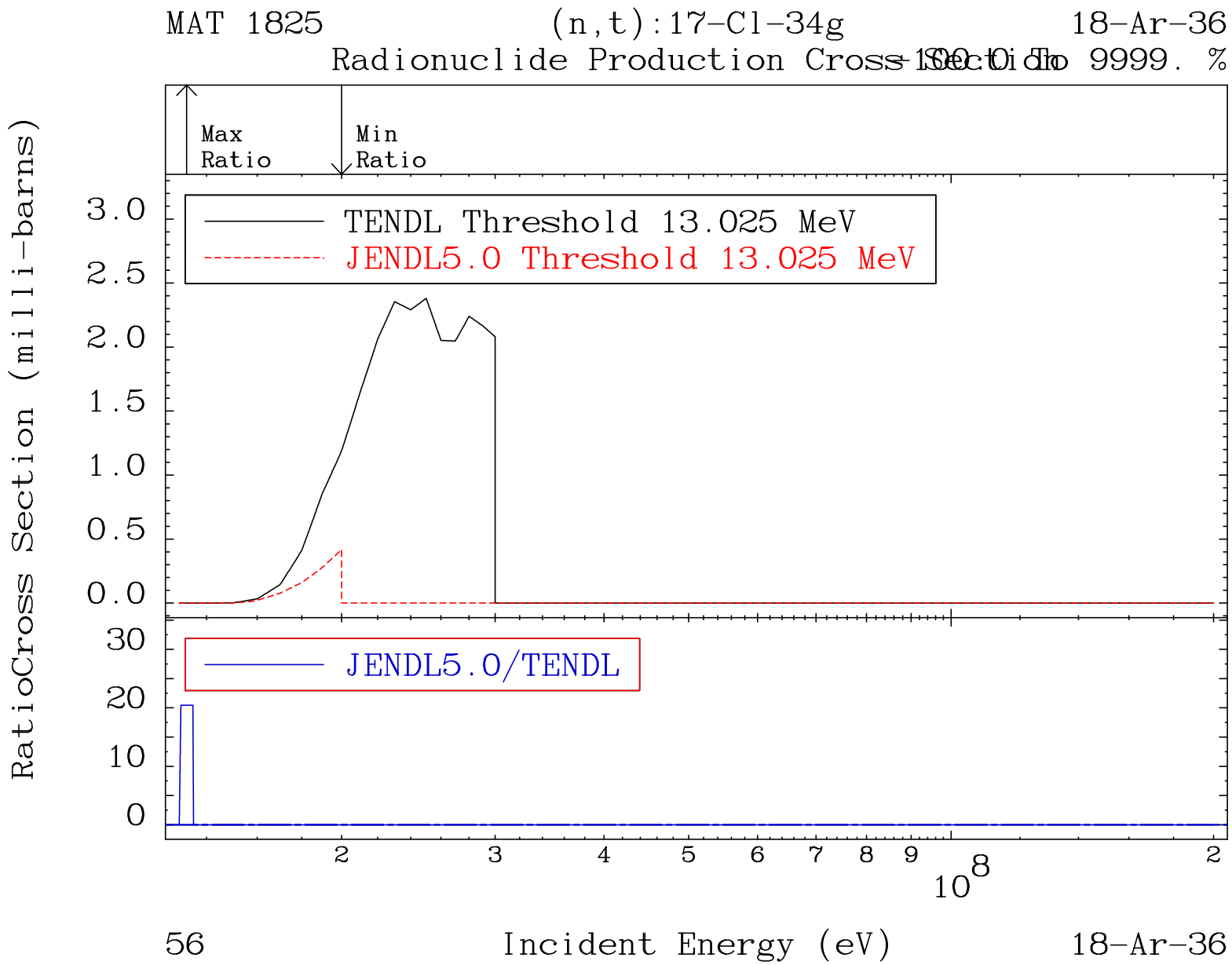

MAT 1825 Total kinematic kerma (high limit) 18-Ar-36
Cross Section -98.40 To 416.0 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
51
18-Ar-36

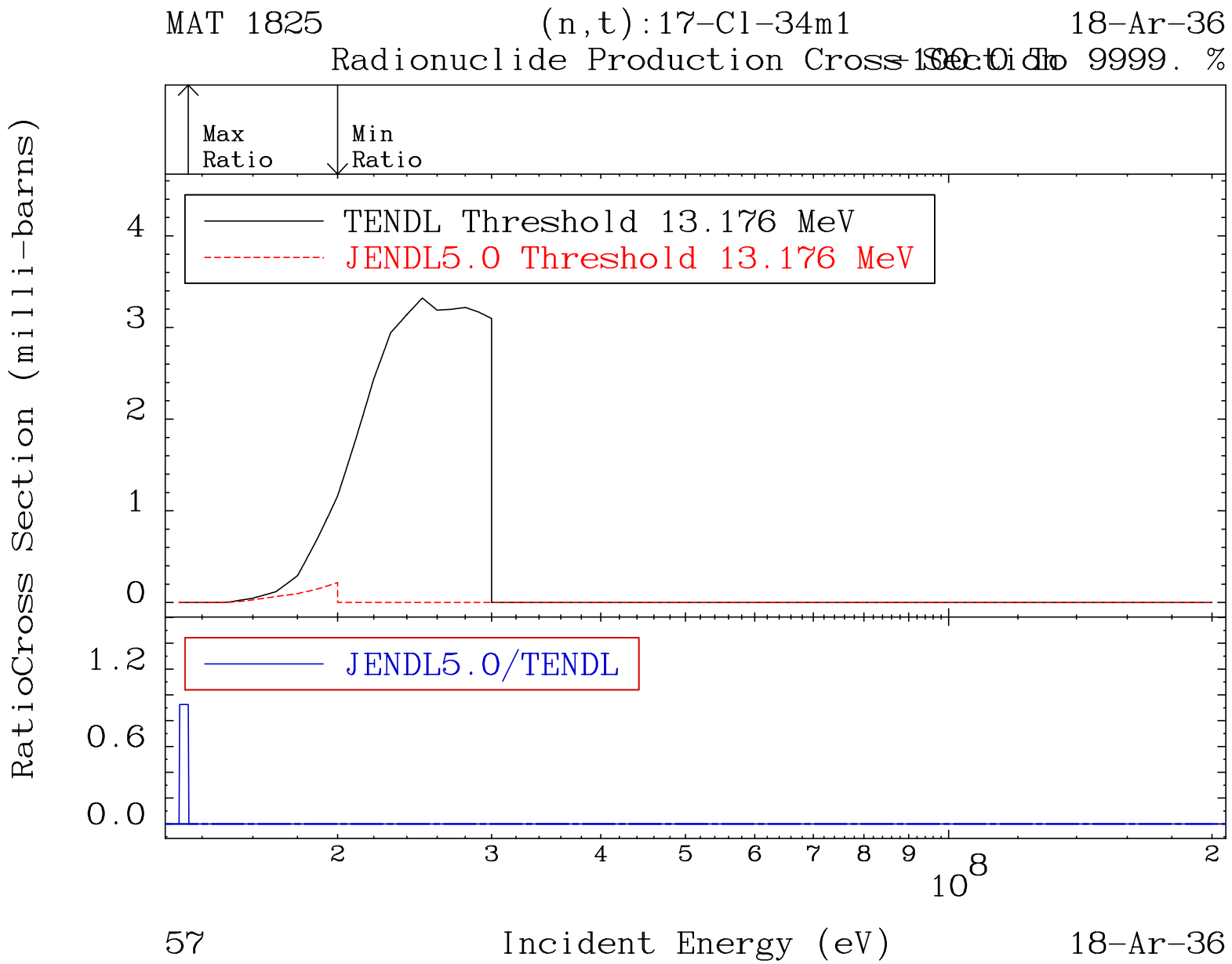

MAT 1825
Dpa total (eV-barns)
18-Ar-36
Cross Section -98.42 To 159.0 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
18-Ar-36

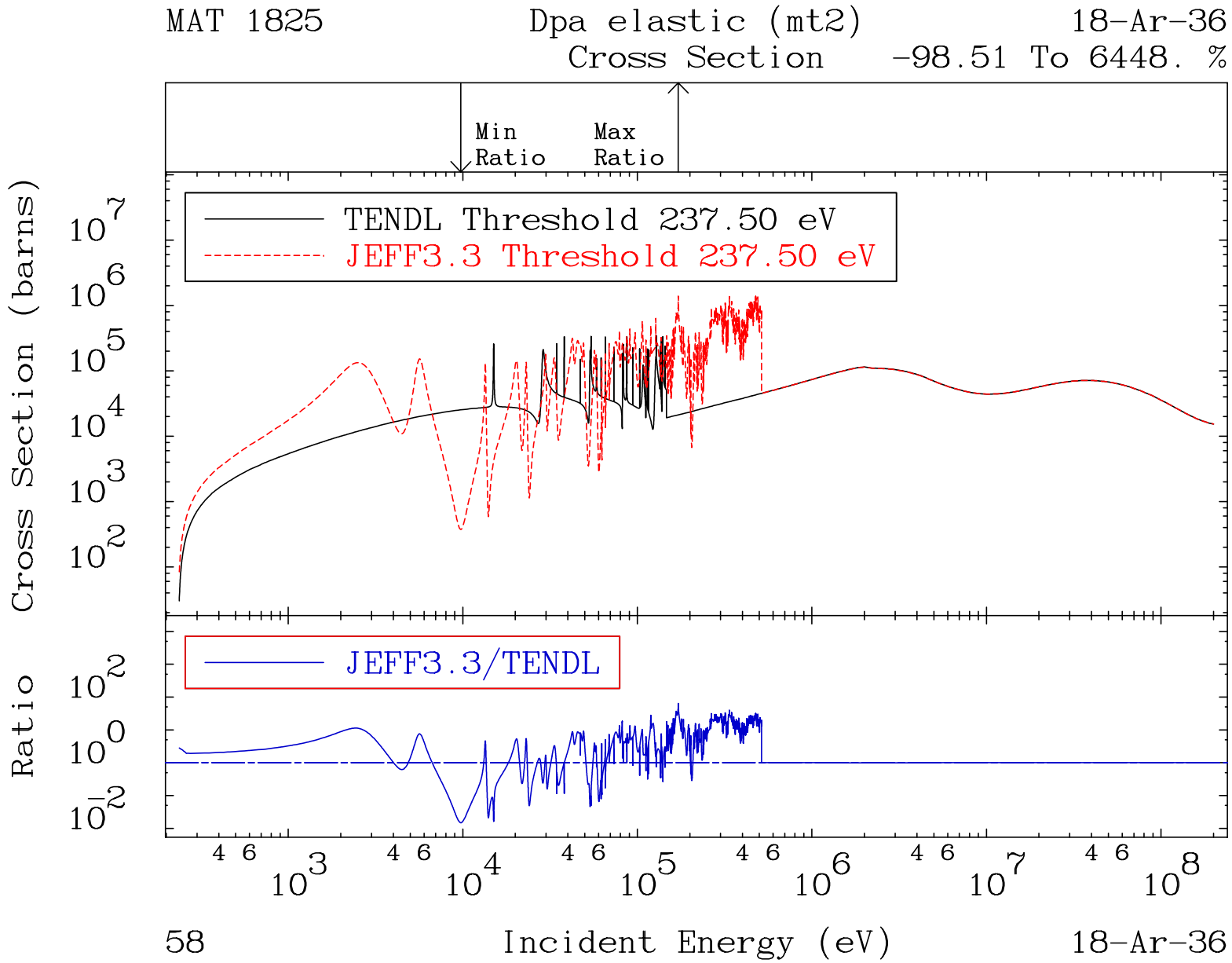

MAT 1825
Dpa elastic (mt2)
Cross Section
18-Ar-36
-98.41 To 27.58 %
Min
Ratio
Max
Ratio
TENDL Threshold 237.50 eV
JENDL5.0 Threshold 241.47 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
18-Ar-36

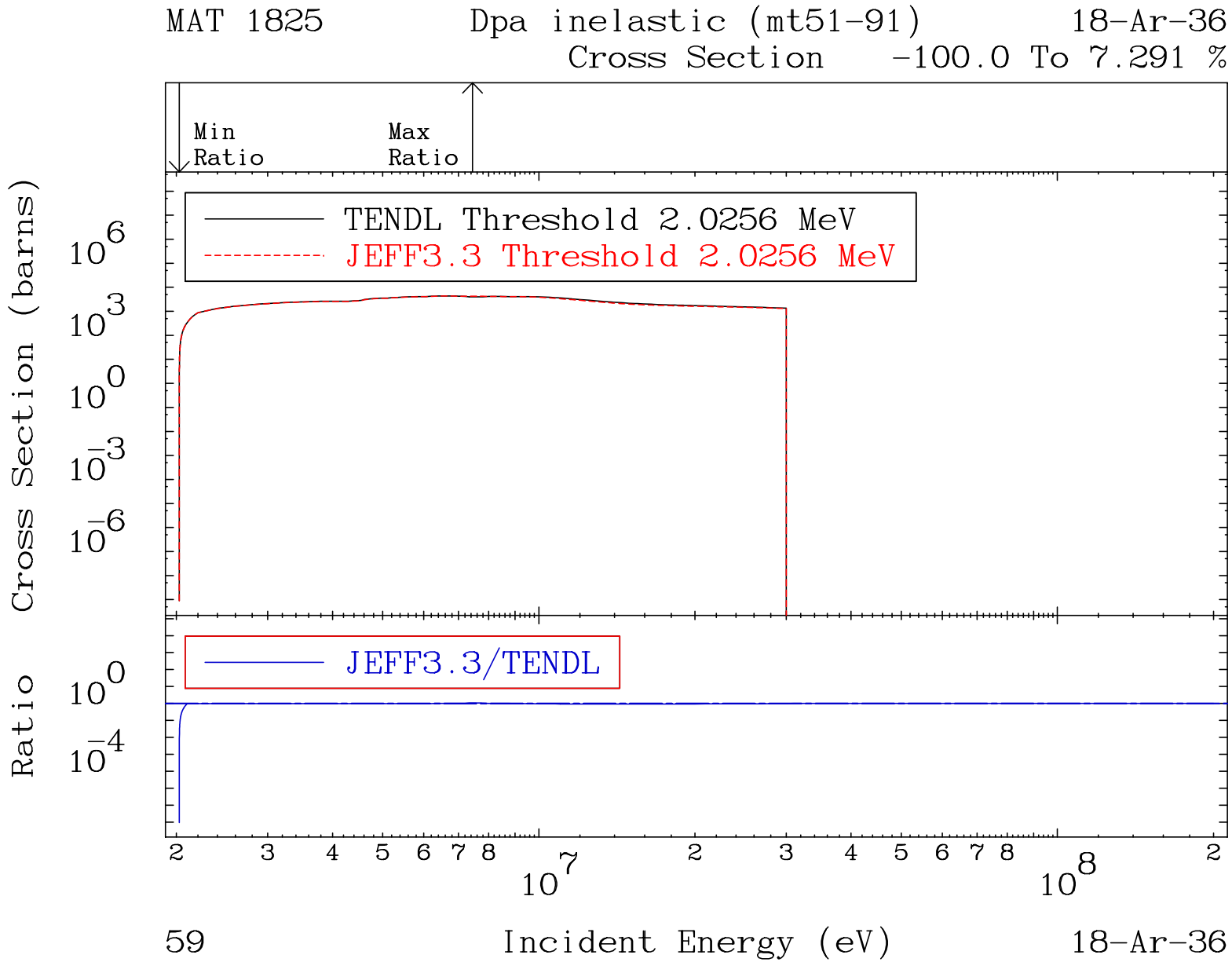

MAT 1825
Dpa inelastic (mt51-91)
18-Ar-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.0256 MeV
JENDL5.0 Threshold 15.009 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
18-Ar-36

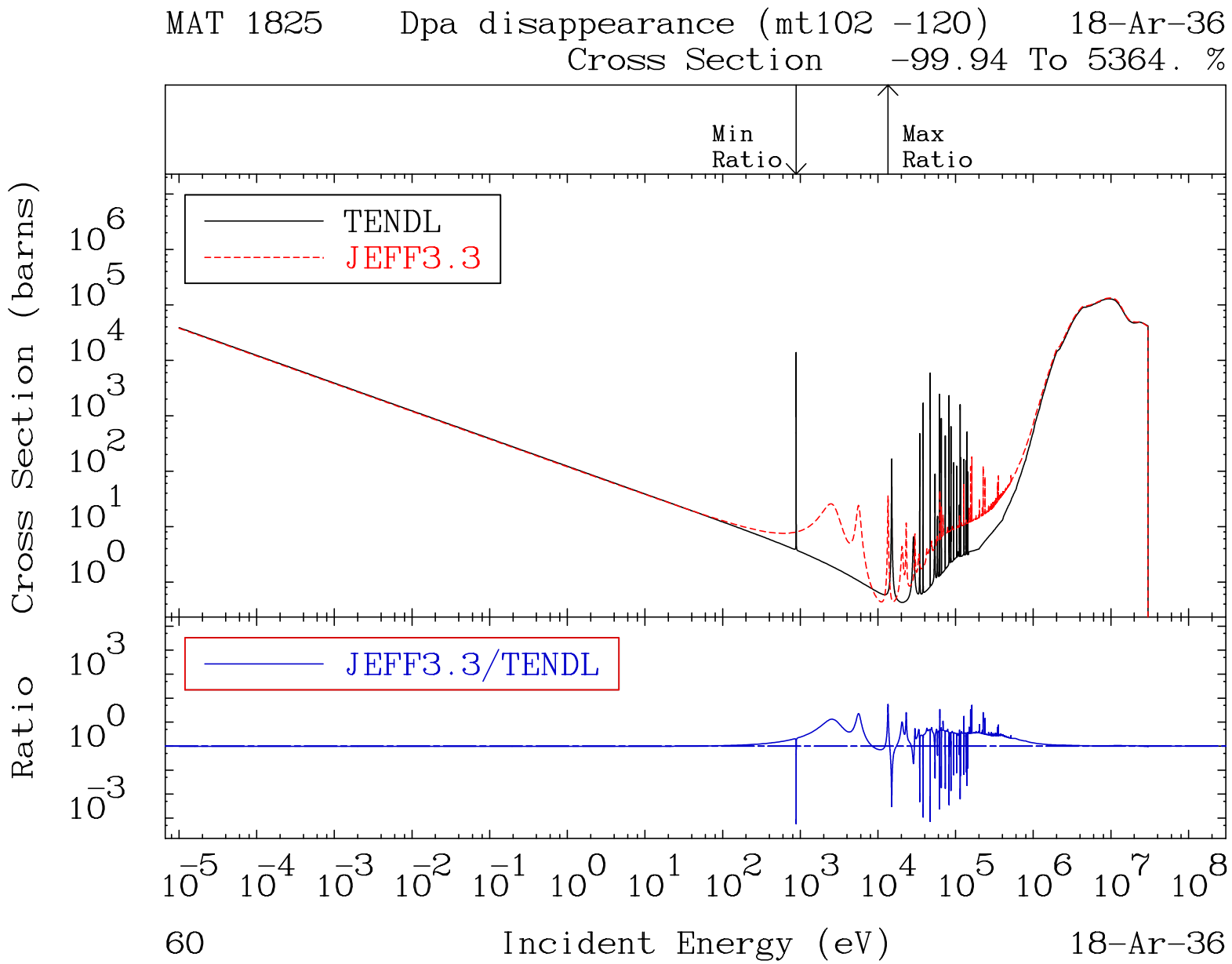

MAT 1825 Dpa disappearance (mt102 -120) 18-Ar-36
Cross Section -100.0 To 1342. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
18-Ar-36

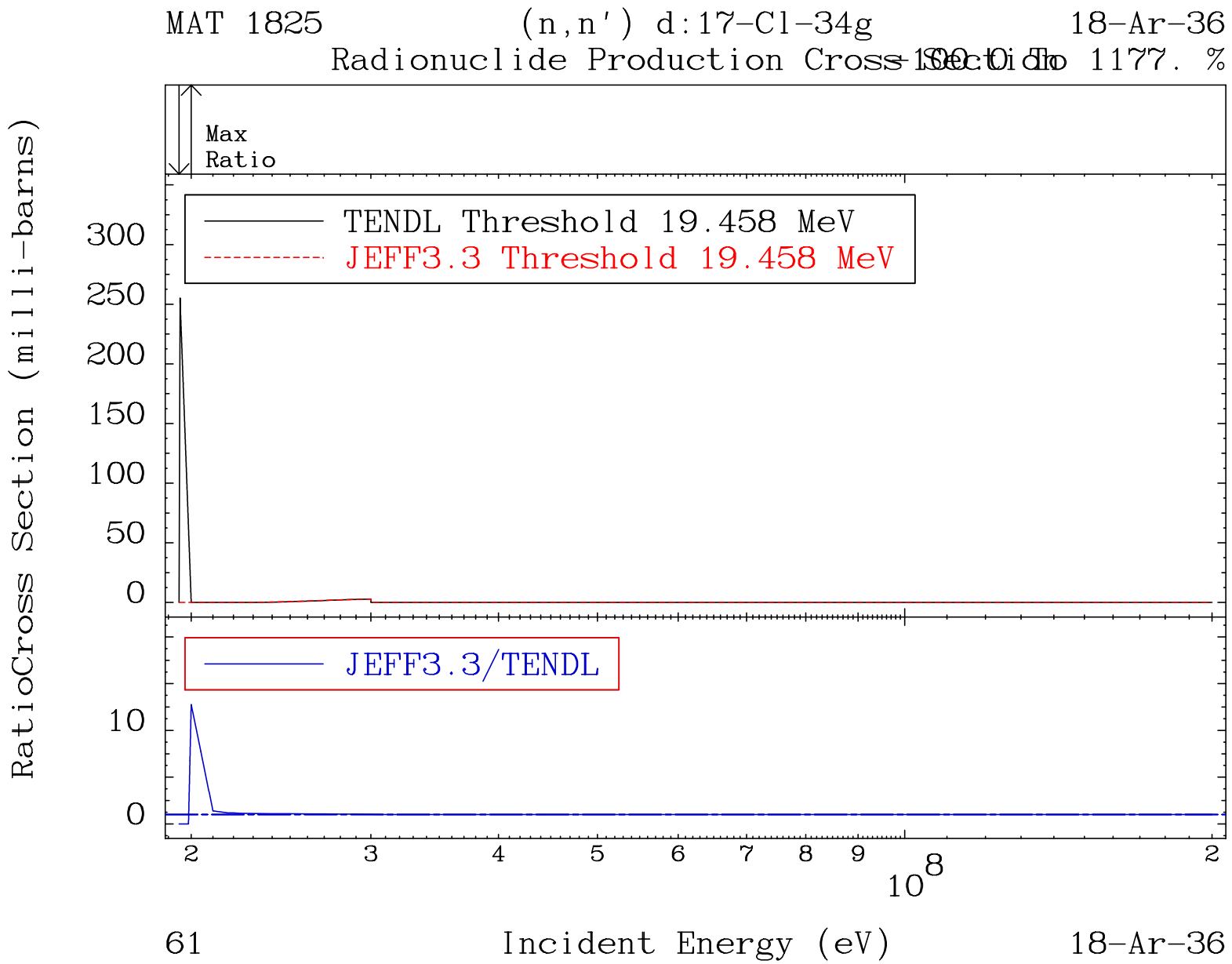

MAT 1825
(n,t):17-Cl-34g
18-Ar-36
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.025 MeV
JENDL5.0 Threshold 13.025 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
30
20
10
0
2
3
4
5
6
7
8
9
10^8
2
56
Incident Energy (eV)
18-Ar-36

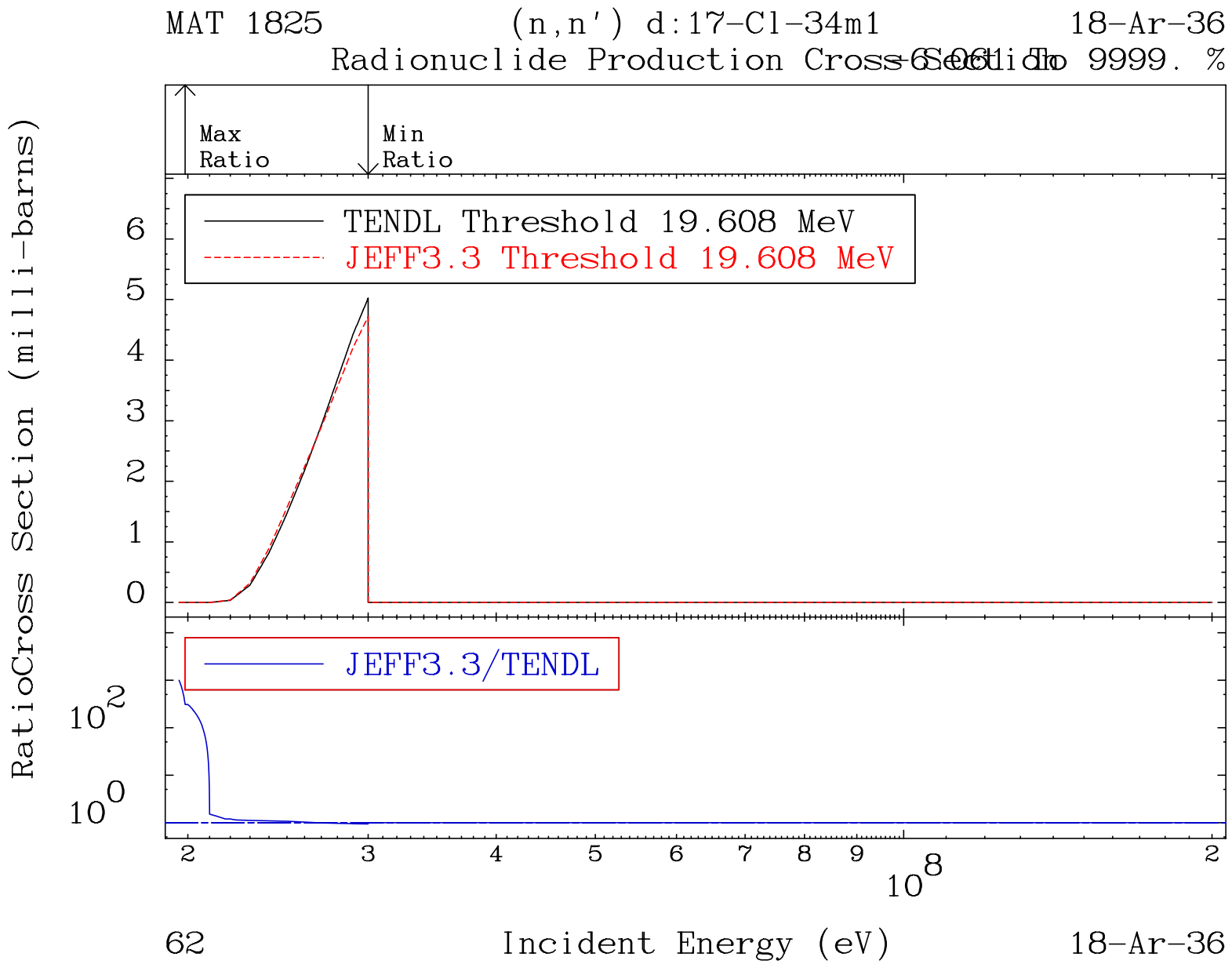

MAT 1825
(n,t):17-Cl-34m1
18-Ar-36
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.176 MeV
JENDL5.0 Threshold 13.176 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
57
Incident Energy (eV)
18-Ar-36

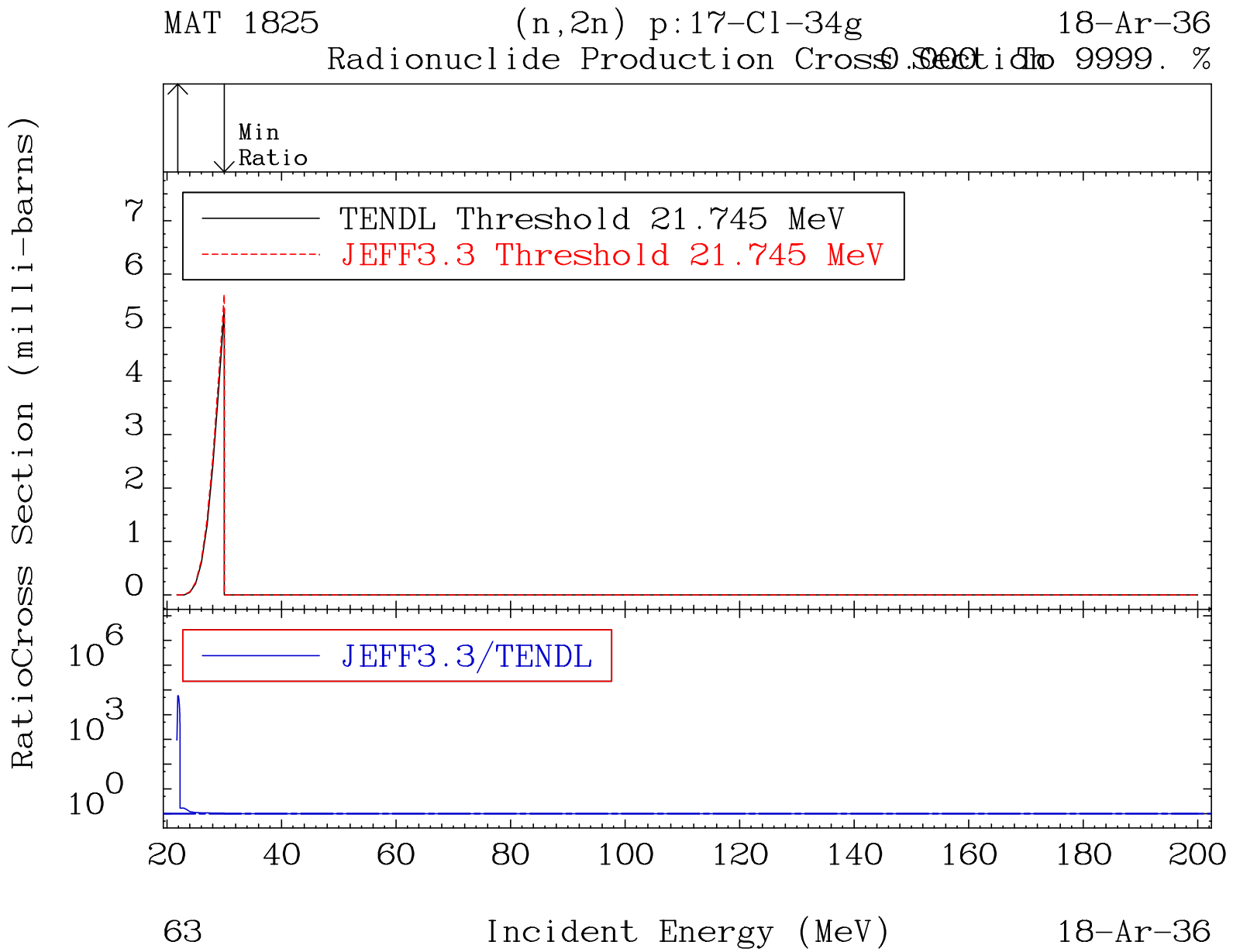

MAT 1825
Dpa elastic (mt2)
Cross Section
18-Ar-36
-98.51 To 6448. %
Min Ratio
Max Ratio
TENDL Threshold 237.50 eV
JEFF3.3 Threshold 237.50 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
18-Ar-36

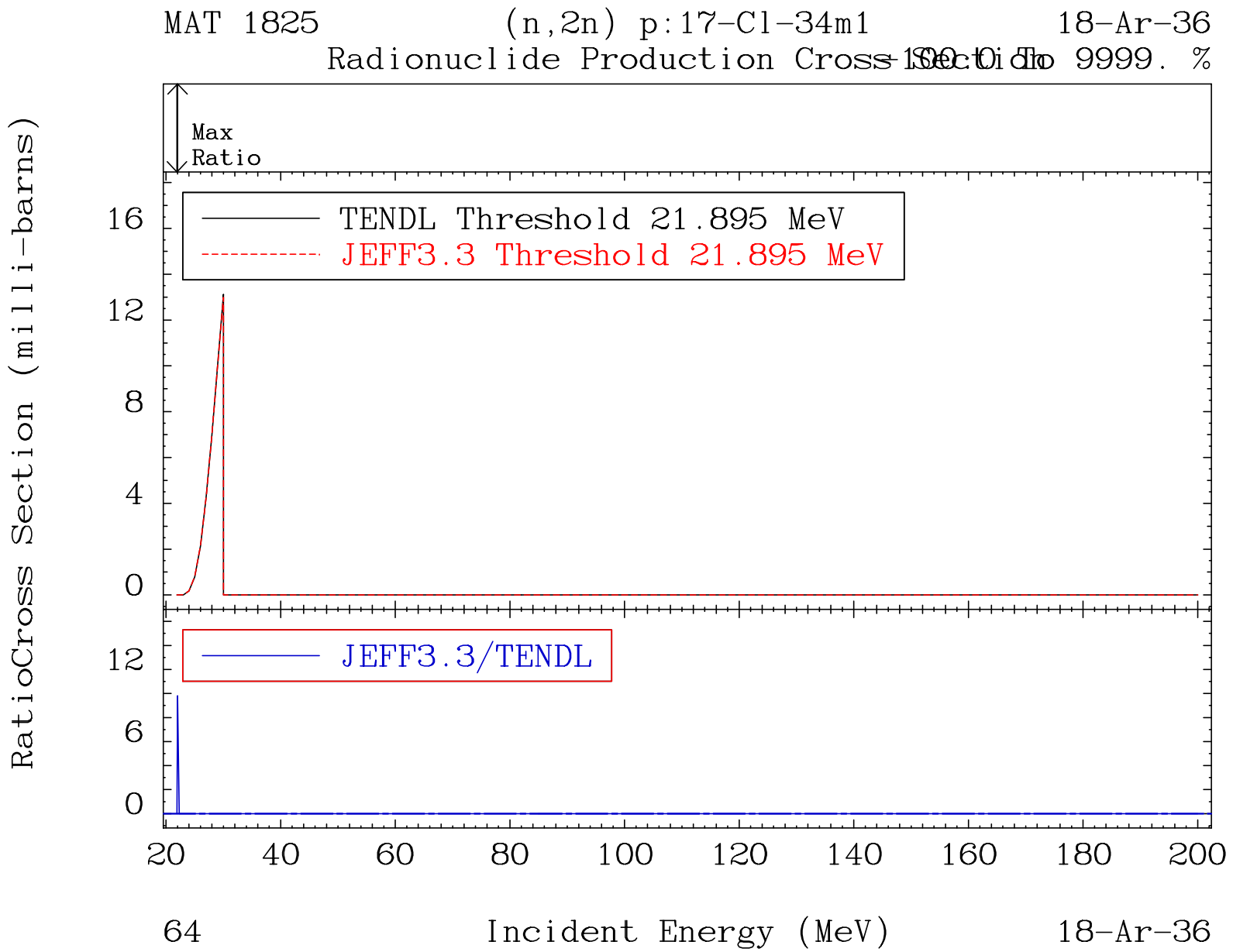

MAT 1825
Dpa inelastic (mt51-91)
18-Ar-36
Cross Section
-100.0 To 7.291 %
Min Ratio
Max Ratio
TENDL Threshold 2.0256 MeV
JEFF3.3 Threshold 2.0256 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
18-Ar-36

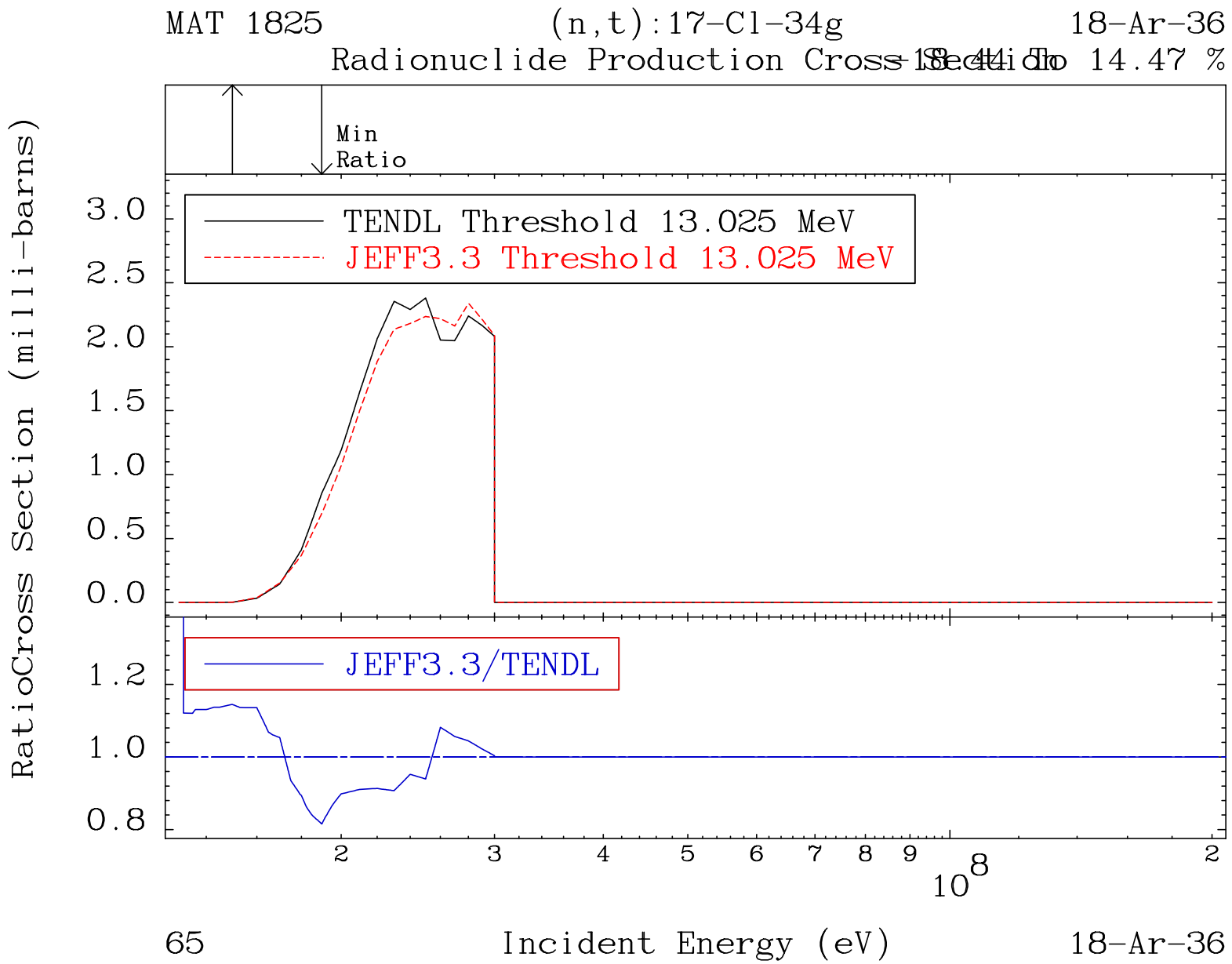

MAT 1825 Dpa disappearance (mt102 -120) 18-Ar-36
Cross Section -99.94 To 5364. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
18-Ar-36

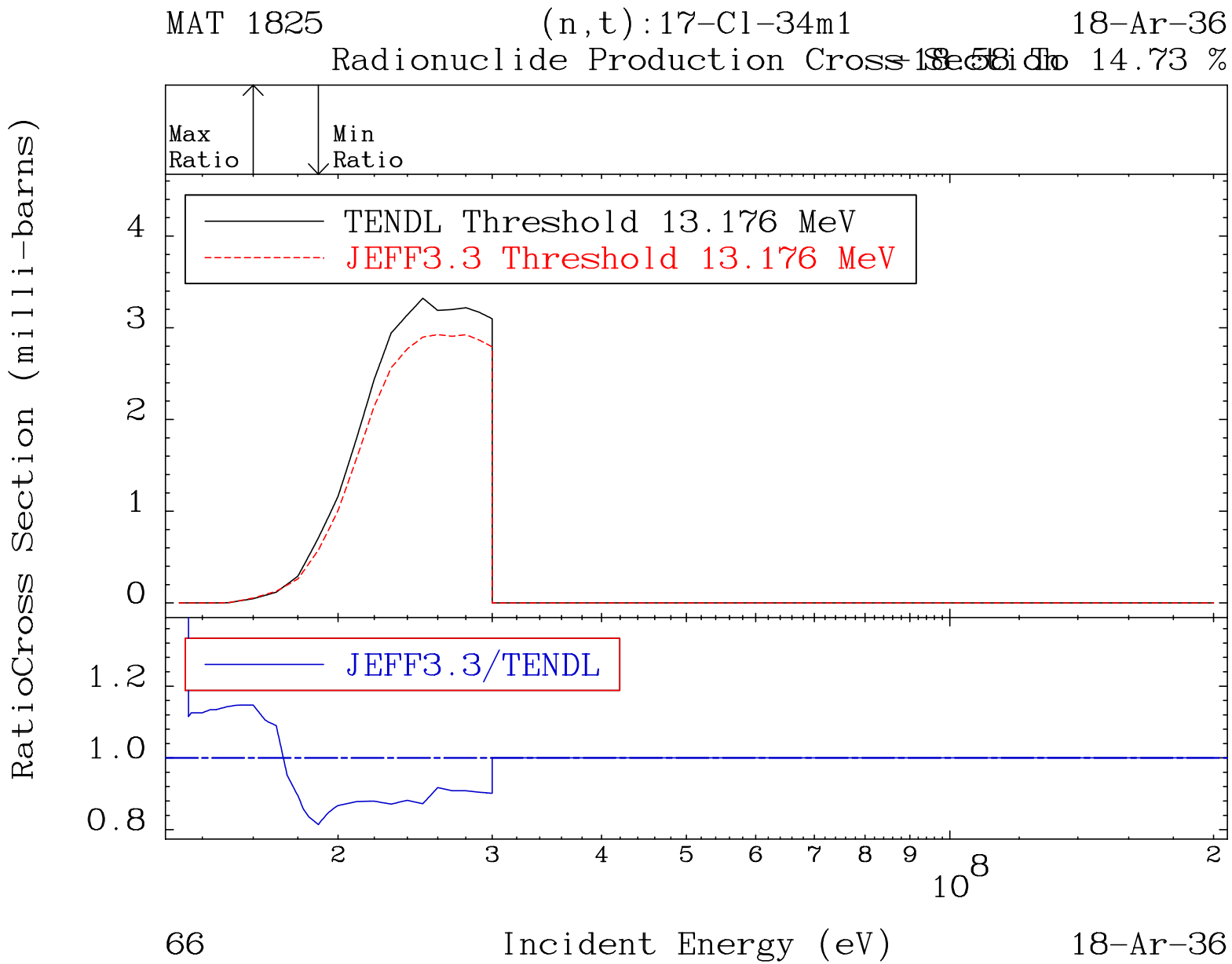

MAT 1825
(n,n') d:17-Cl-34g
18-Ar-36
Radionuclide Production Cross Section To 1177. %
Max
Ratio
TENDL Threshold 19.458 MeV
JEFF3.3 Threshold 19.458 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
10
0
2
3
4
5
6
7
8
9
10^8
2
61
Incident Energy (eV)
18-Ar-36


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 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
Min
Ratio
TENDL Threshold 13.025 MeV
JEFF3.3 Threshold 13.025 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
65
18-Ar-36


MAT 1825
(n,t):17-Cl-34m1
18-Ar-36
Radionuclide Production Cross Section
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