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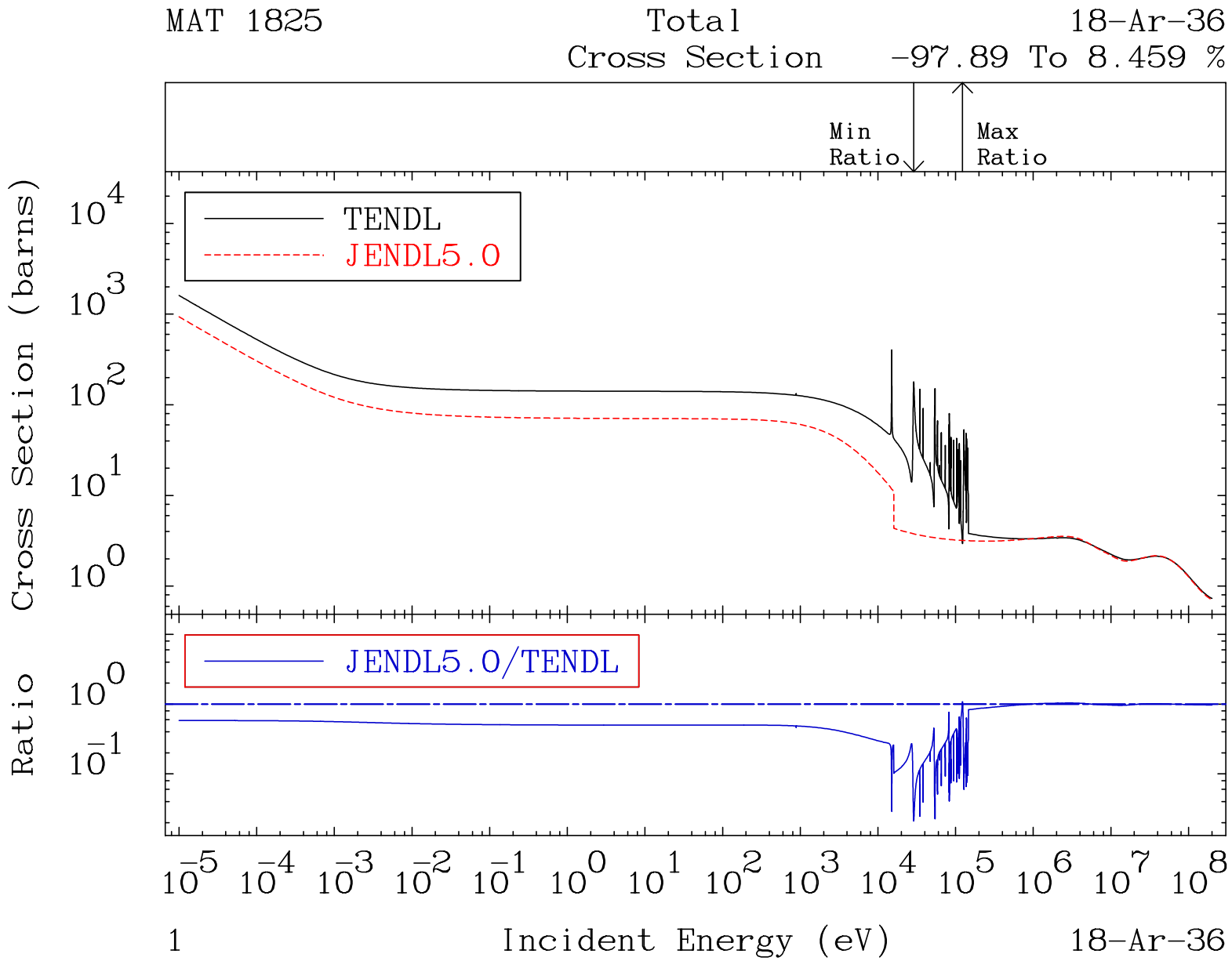
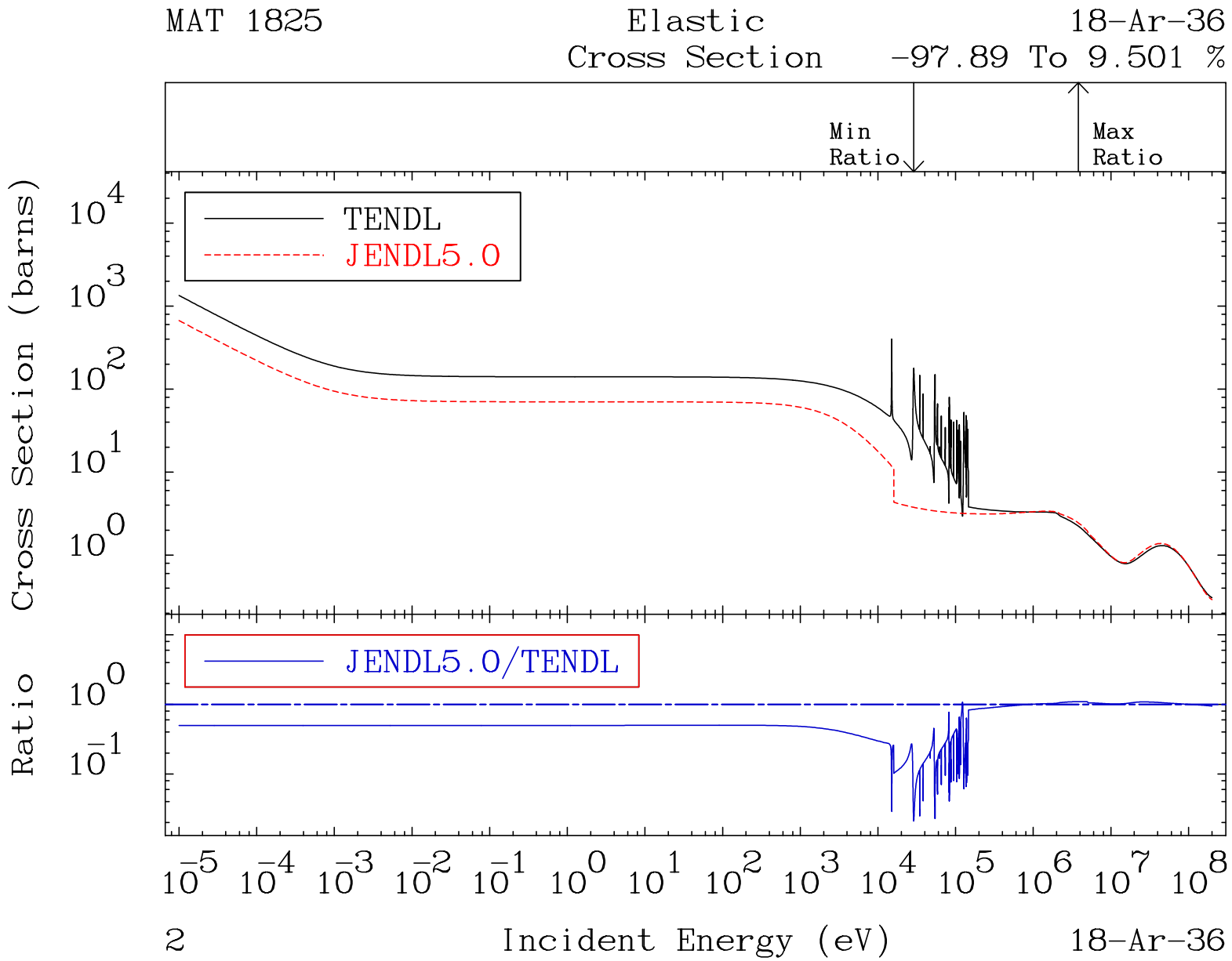
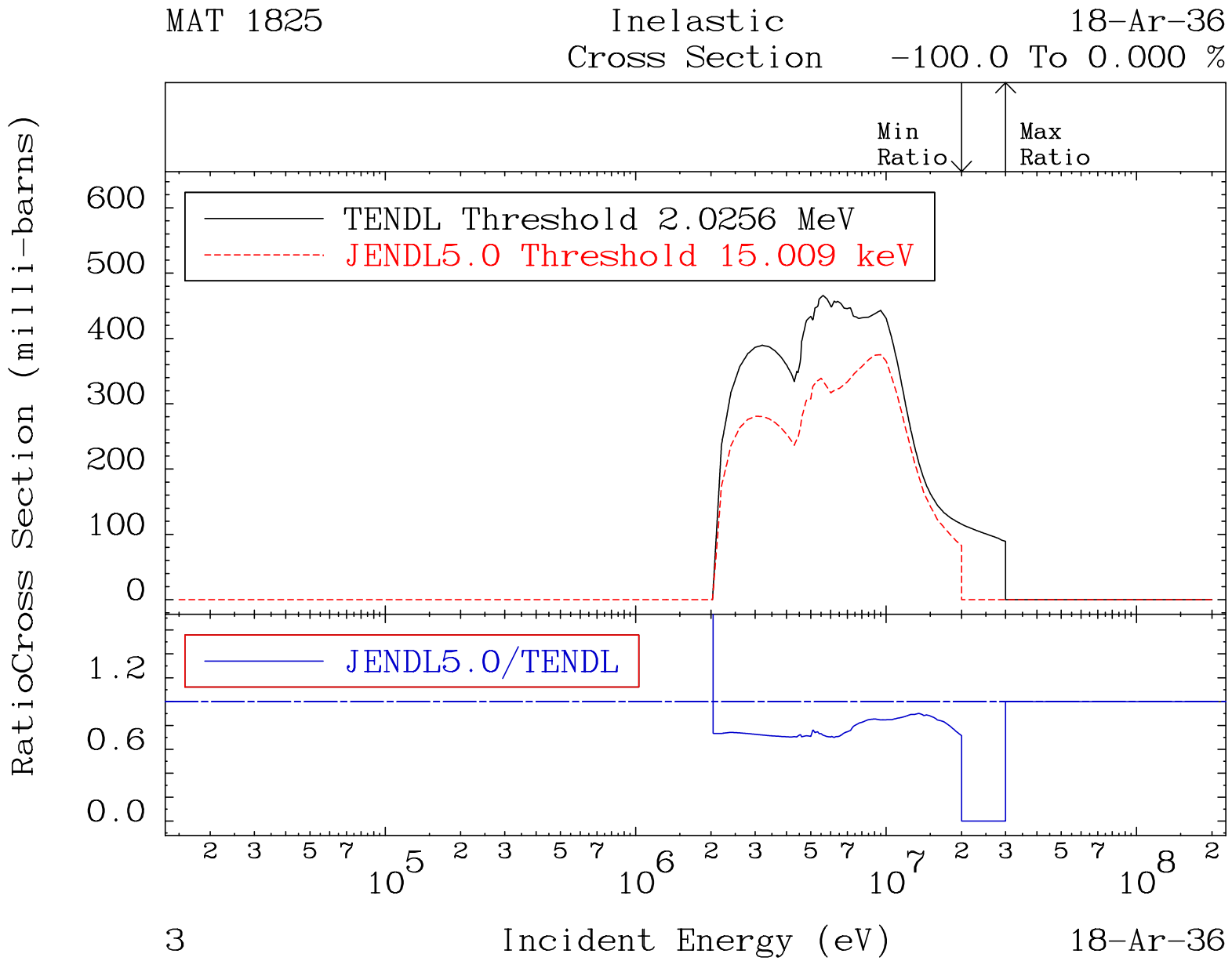
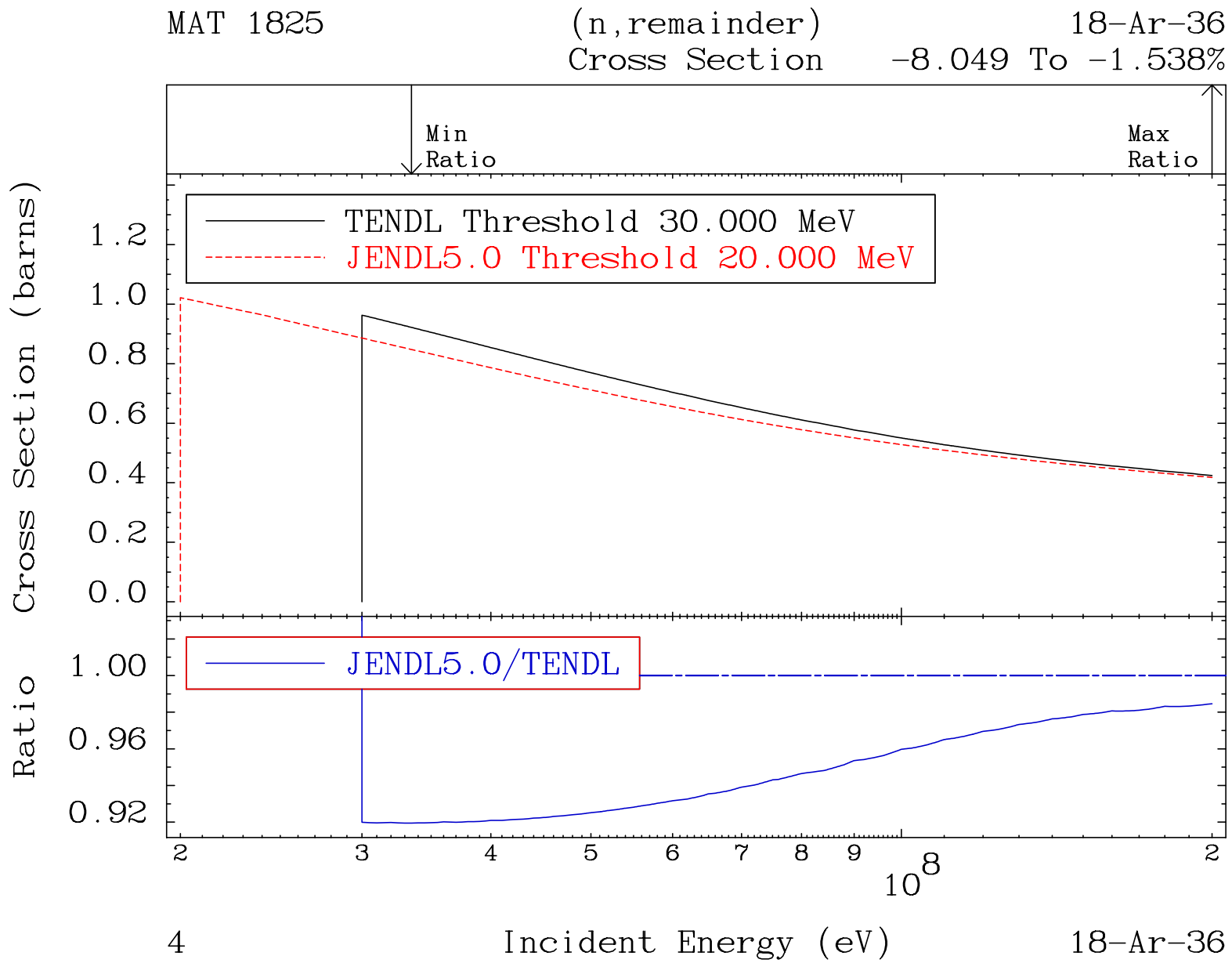
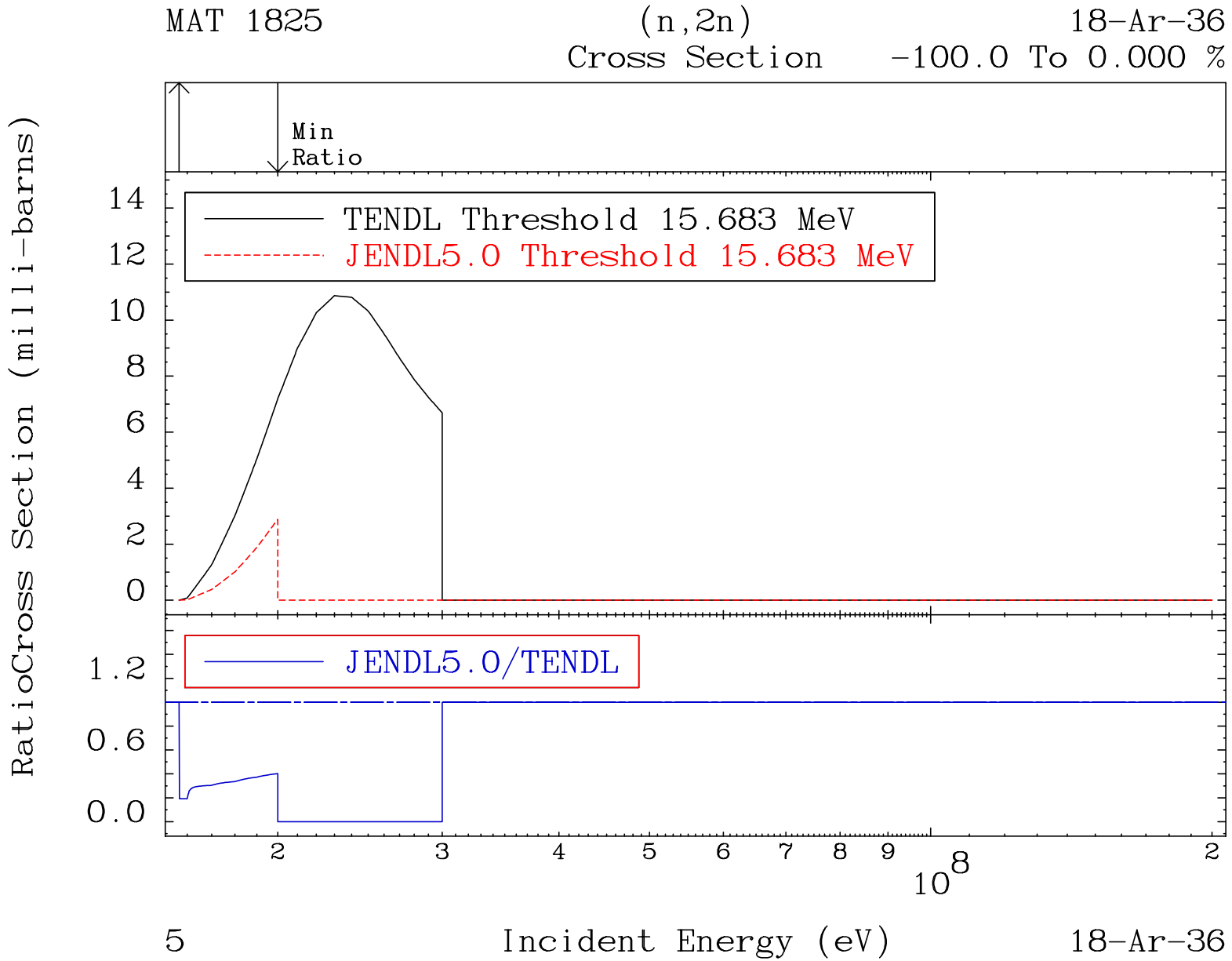
Press Mouse Button to Start

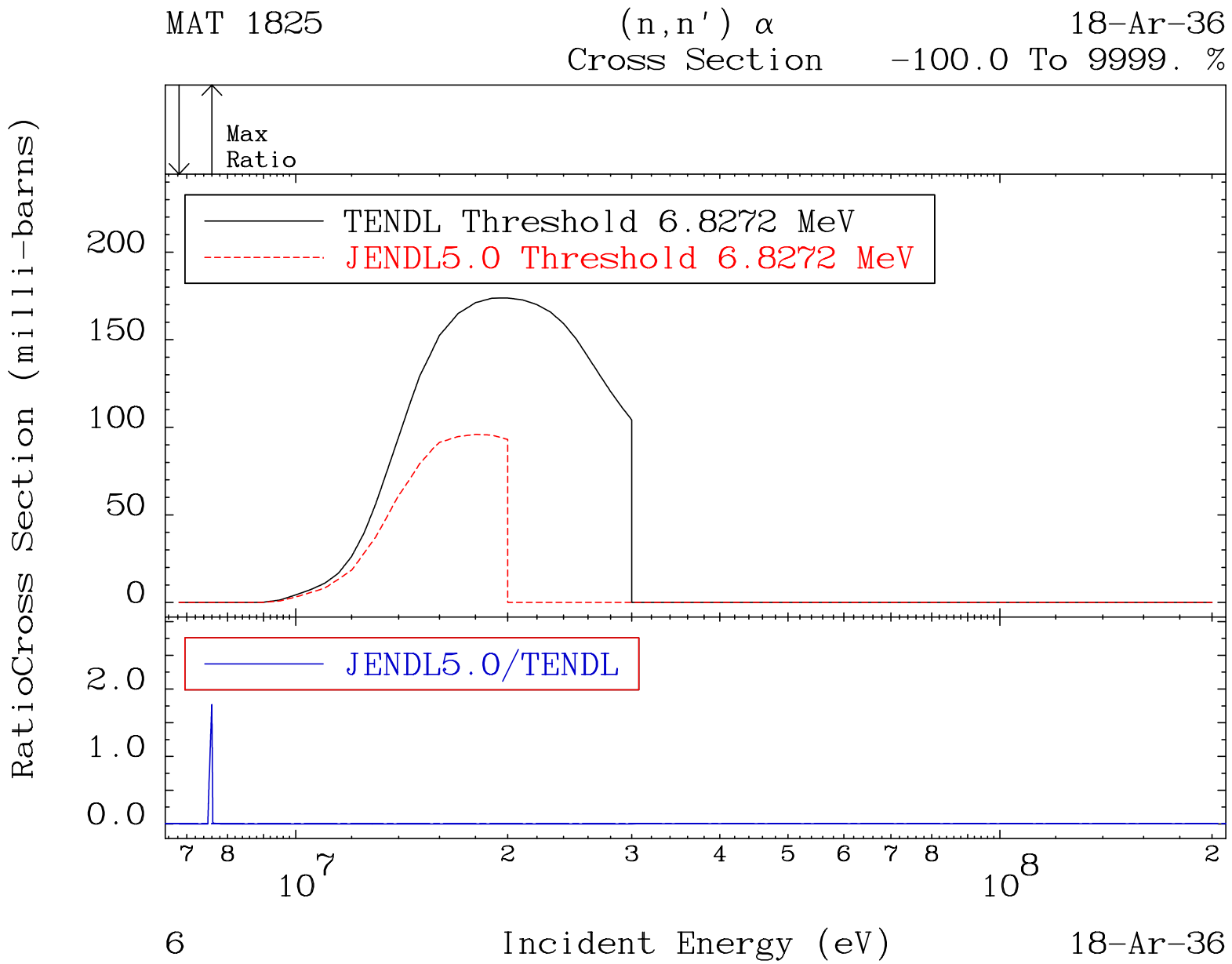

MAT 1825
Total
Cross Section
18-Ar-36
-97.89 To 8.459 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
18-Ar-36

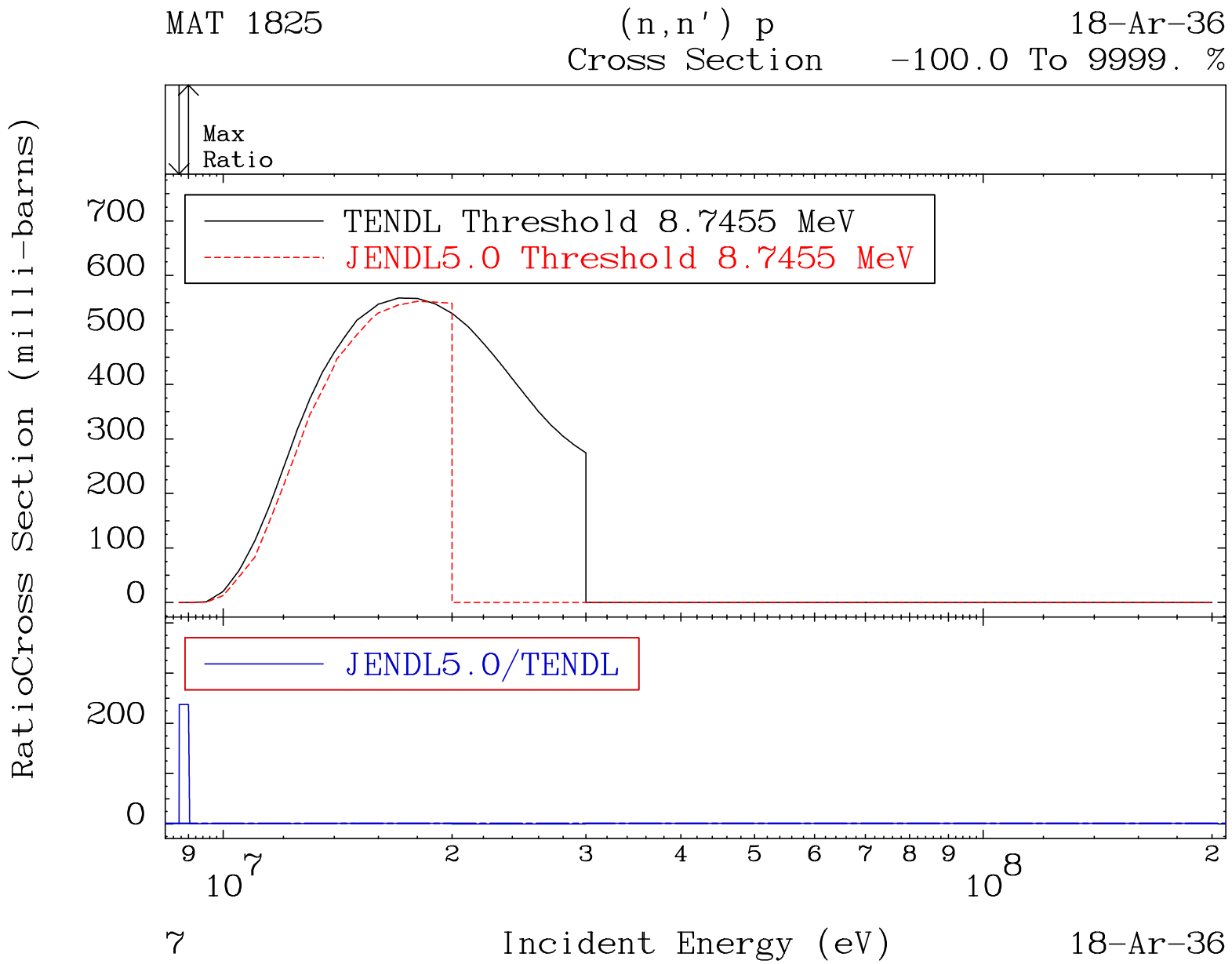

MAT 1825
Elastic
Cross Section
18-Ar-36
-97.89 To 9.501 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
2
18-Ar-36

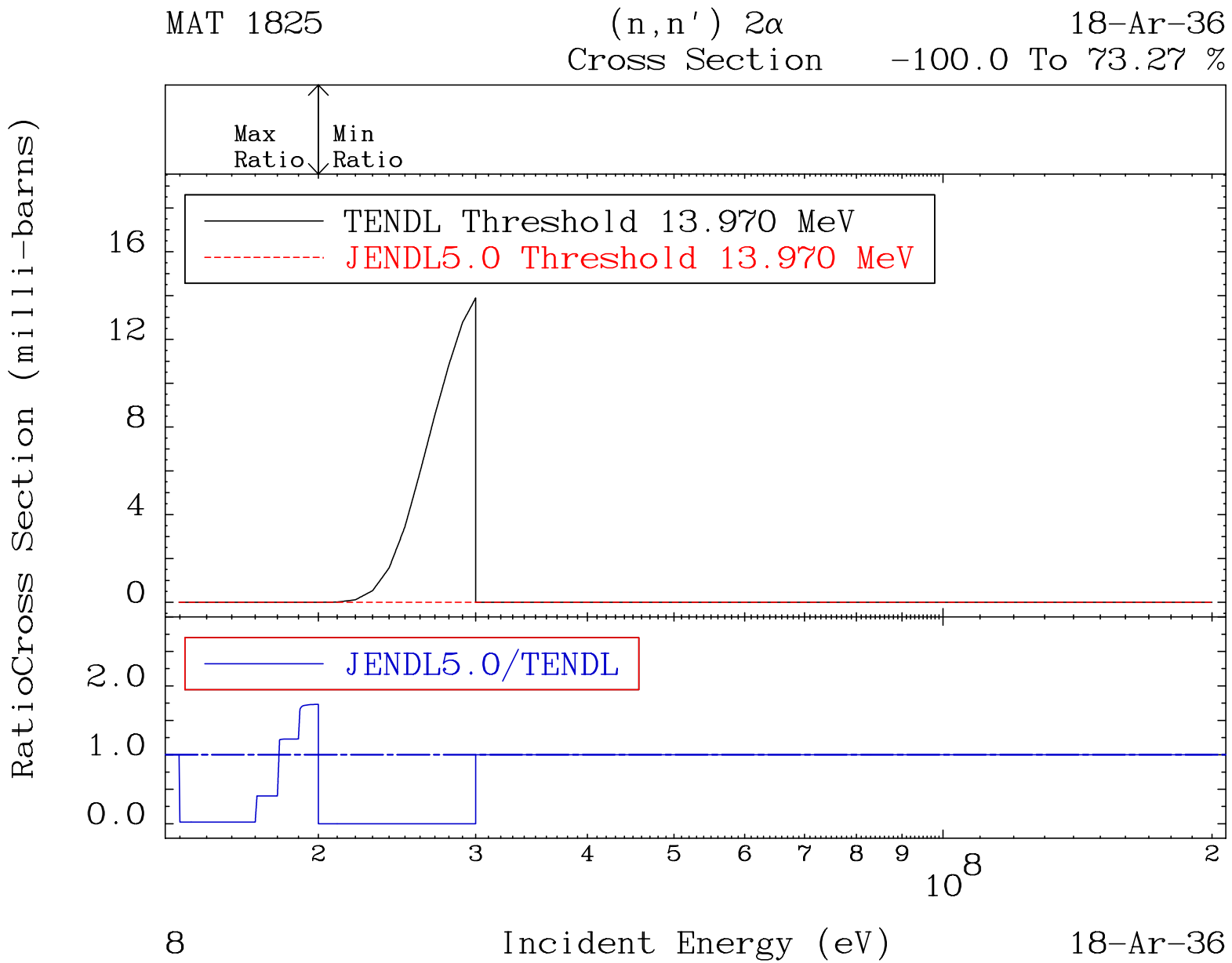

MAT 1825
Inelastic
Cross Section
18-Ar-36
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.0256 MeV
JENDL5.0 Threshold 15.009 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
1.2
0.6
0.0
2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
3
Incident Energy (eV)
18-Ar-36

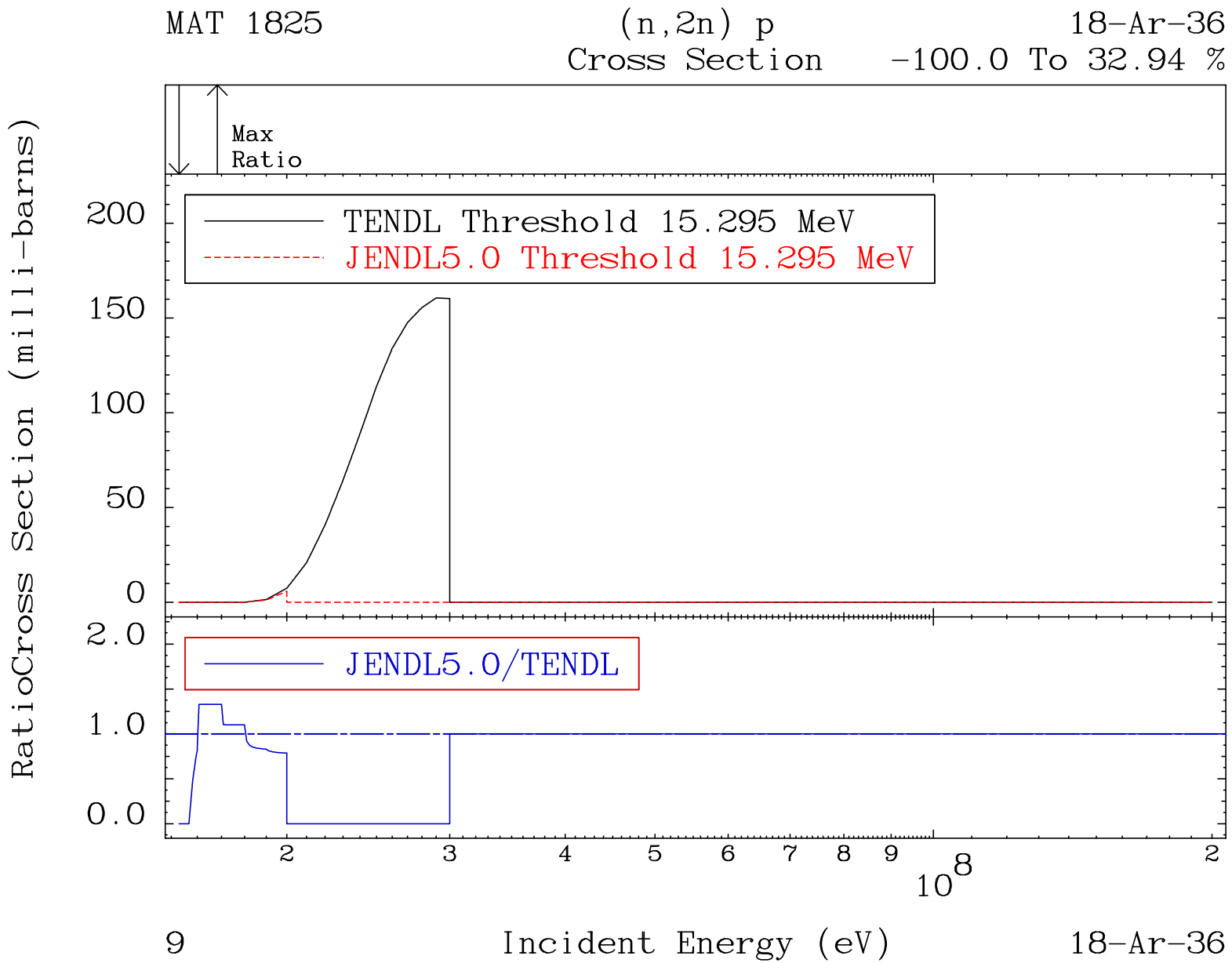

MAT 1825
(n,remainder)
Cross Section
18-Ar-36
-8.049 To -1.538%
Min Ratio
Max Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
1.00
0.96
0.92
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
18-Ar-36

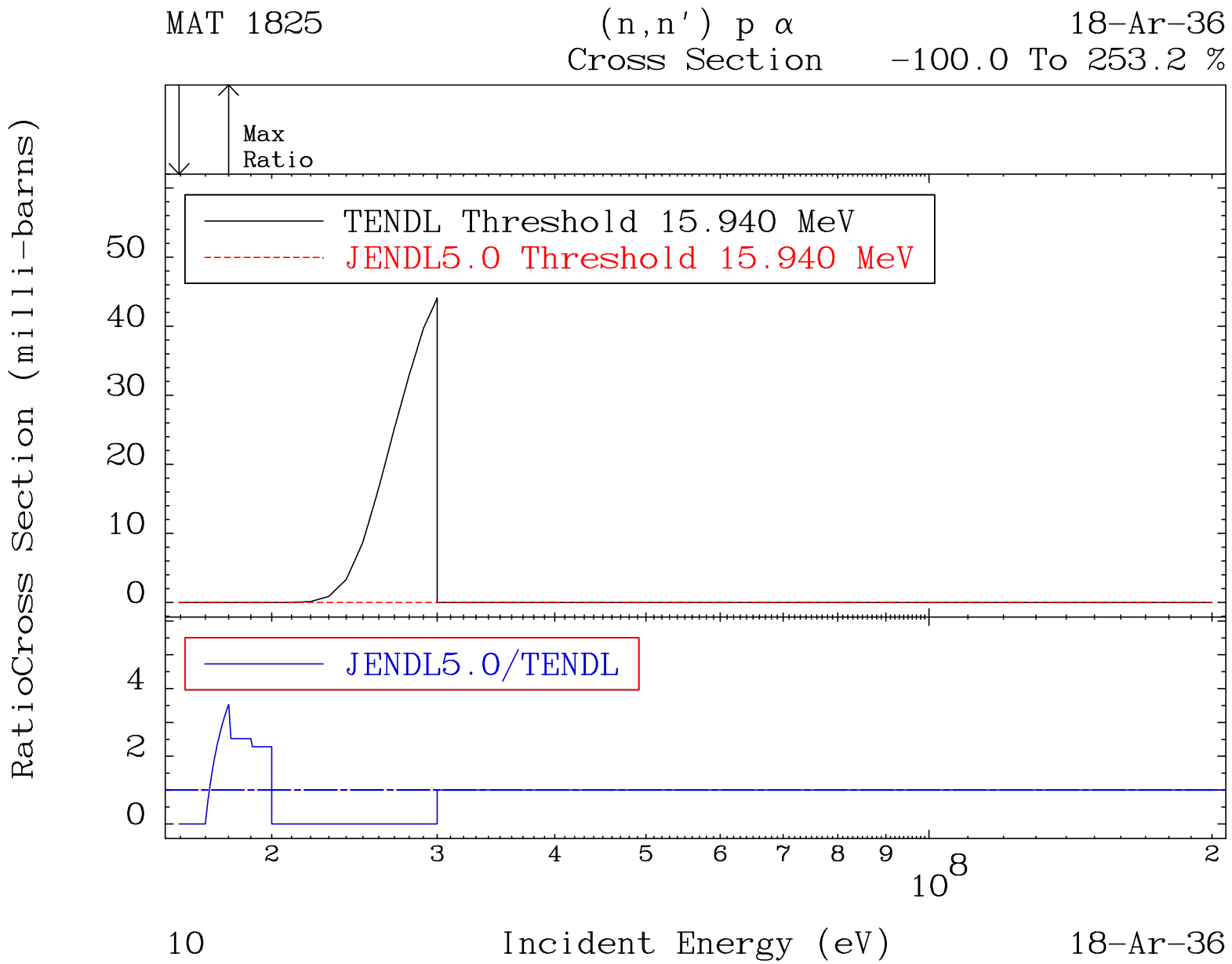

MAT 1825
(n,2n)
Cross Section
18-Ar-36
-100.0 To 0.000 %
Min
Ratio
TENDL Threshold 15.683 MeV
JENDL5.0 Threshold 15.683 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
18-Ar-36

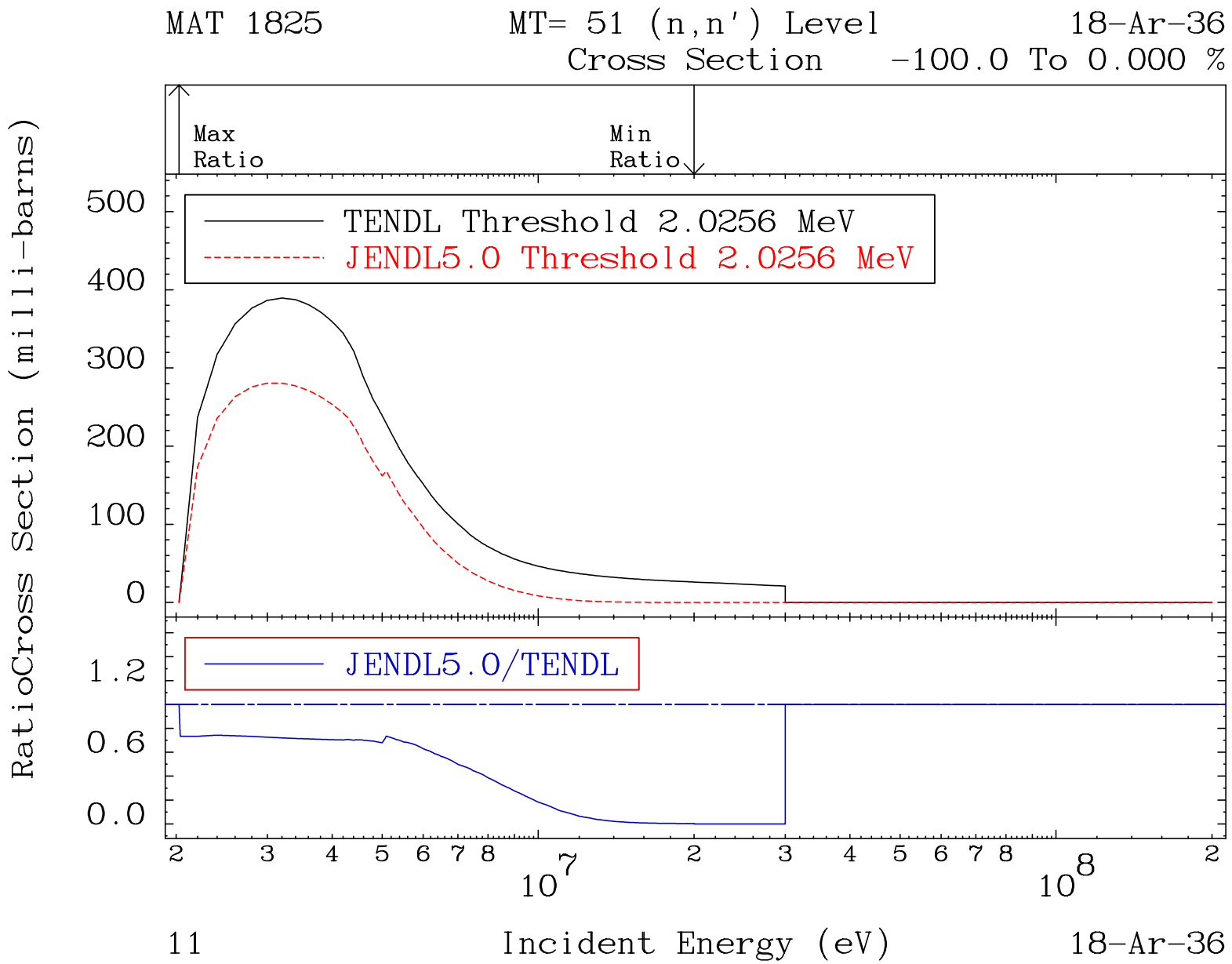

MAT 1825
(n,n') α
Cross Section
18-Ar-36
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.8272 MeV
JENDL5.0 Threshold 6.8272 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
6
Incident Energy (eV)
18-Ar-36

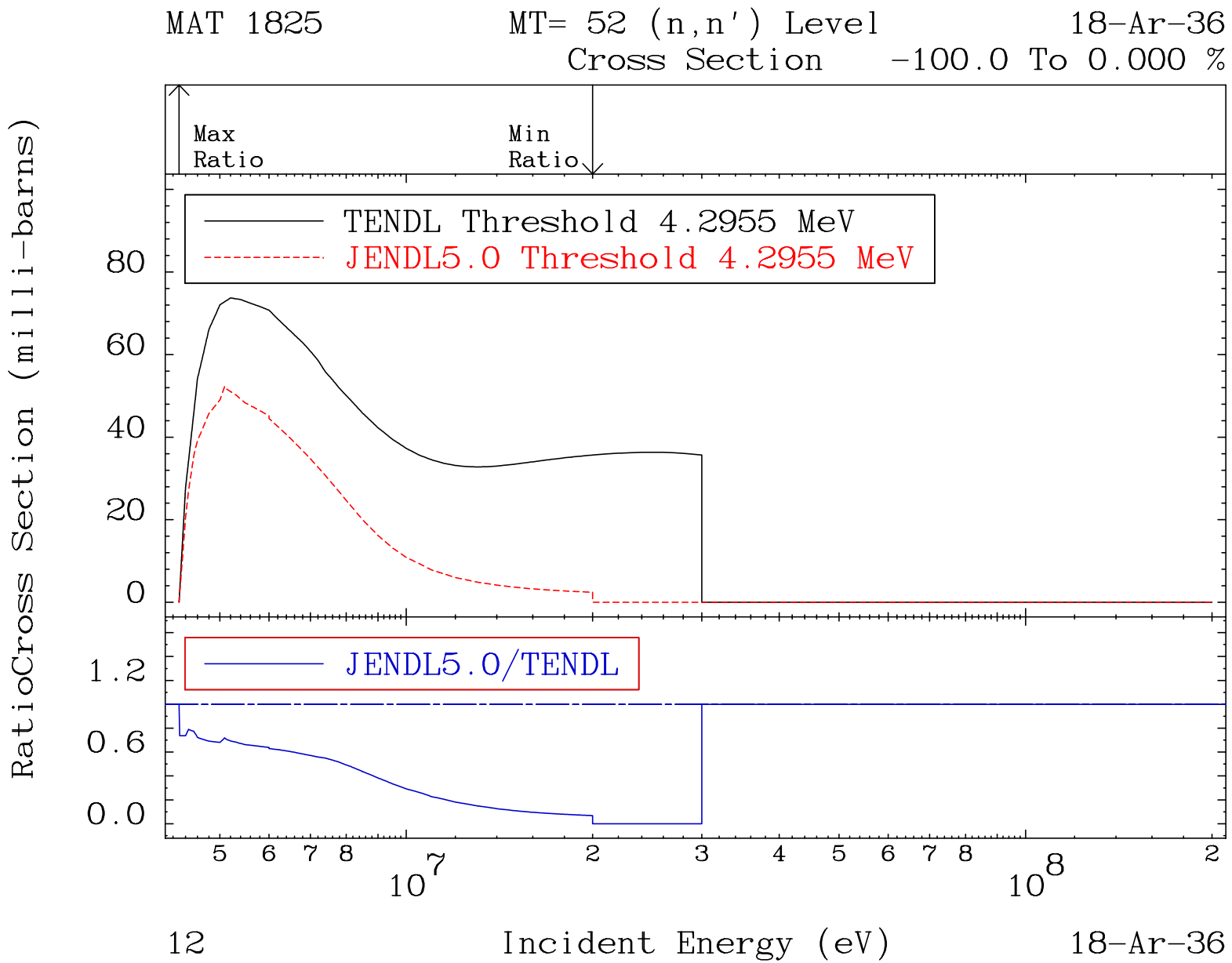

MAT 1825
(n,n') p
Cross Section
18-Ar-36
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 8.7455 MeV
JENDL5.0 Threshold 8.7455 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
200
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
18-Ar-36

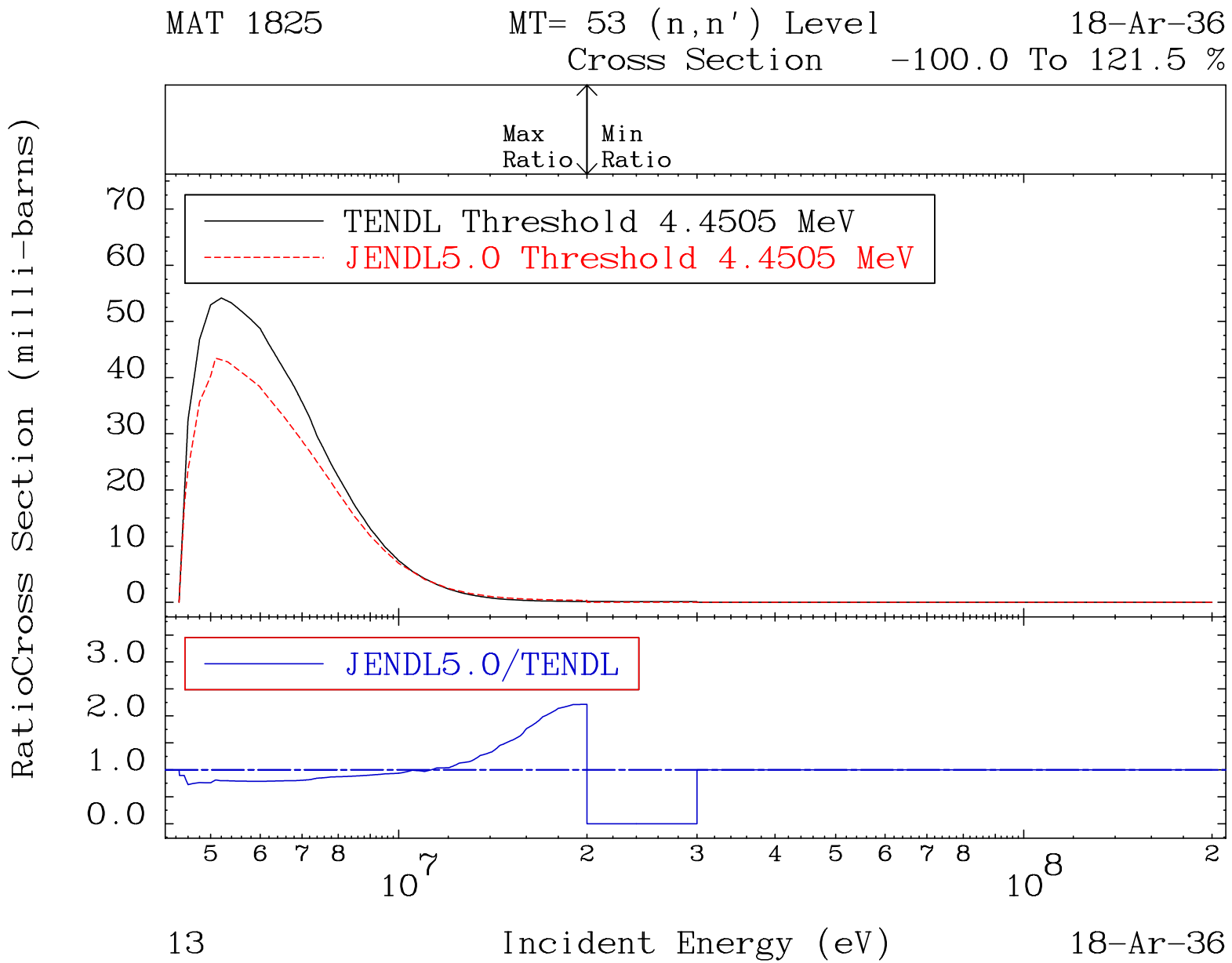

MAT 1825
(n,n') 2α
Cross Section
18-Ar-36
-100.0 To 73.27 %
Max Ratio
Min Ratio
TENDL Threshold 13.970 MeV
JENDL5.0 Threshold 13.970 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
18-Ar-36

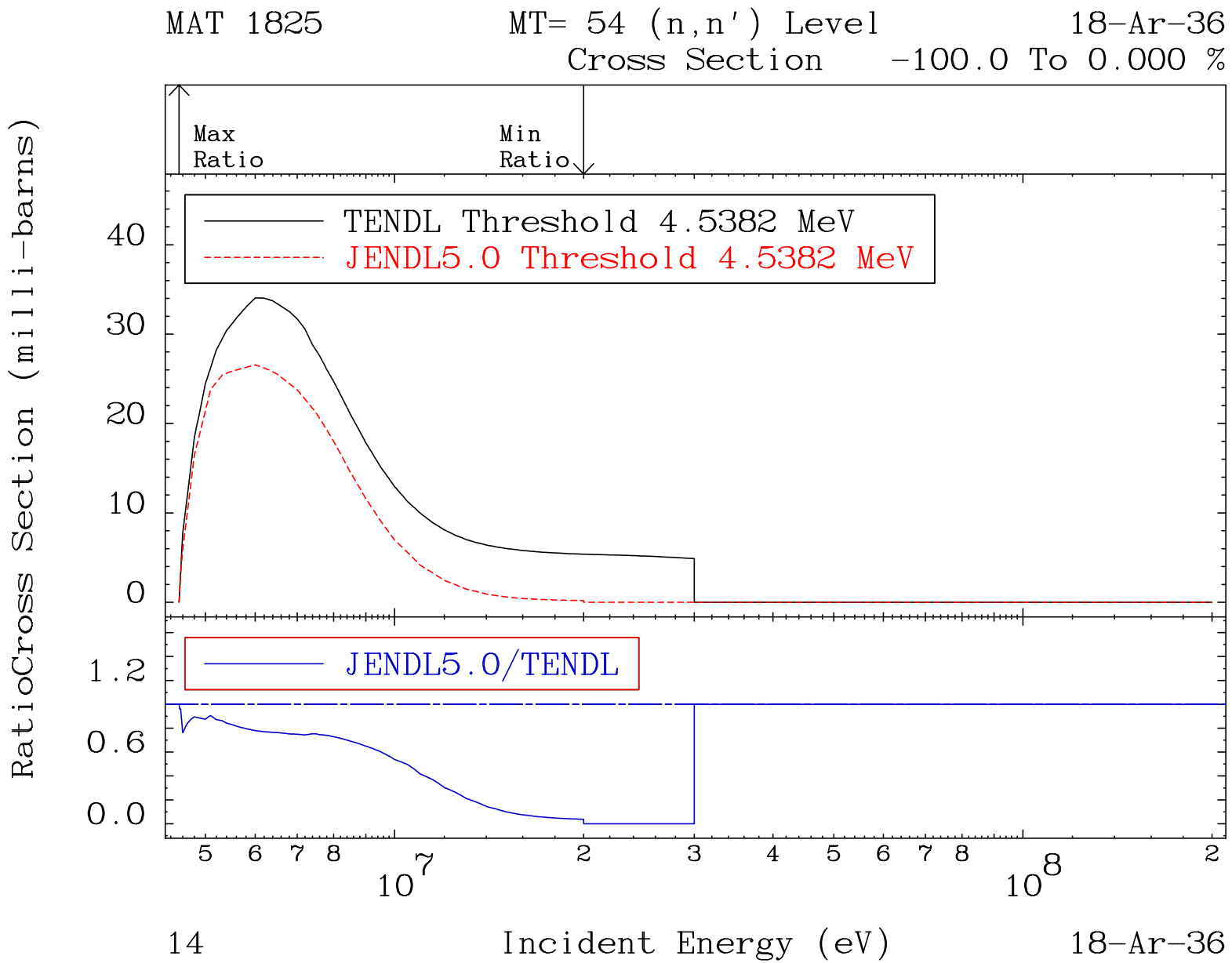

MAT 1825
(n,2n) p
Cross Section
18-Ar-36
-100.0 To 32.94 %
Max
Ratio
TENDL Threshold 15.295 MeV
JENDL5.0 Threshold 15.295 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
18-Ar-36

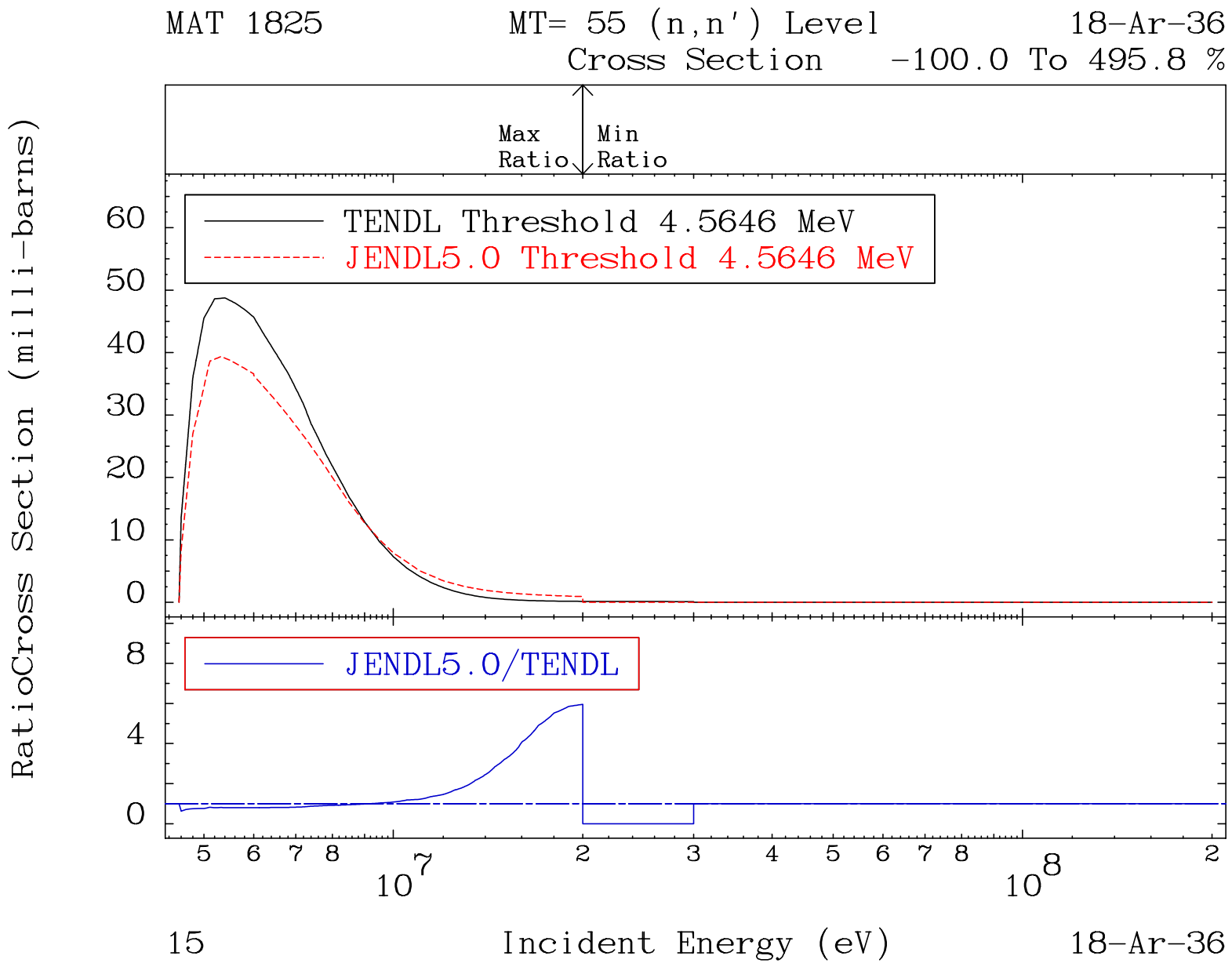

MAT 1825
(n,n') p α
Cross Section
18-Ar-36
-100.0 To 253.2 %
Max
Ratio
TENDL Threshold 15.940 MeV
JENDL5.0 Threshold 15.940 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
18-Ar-36

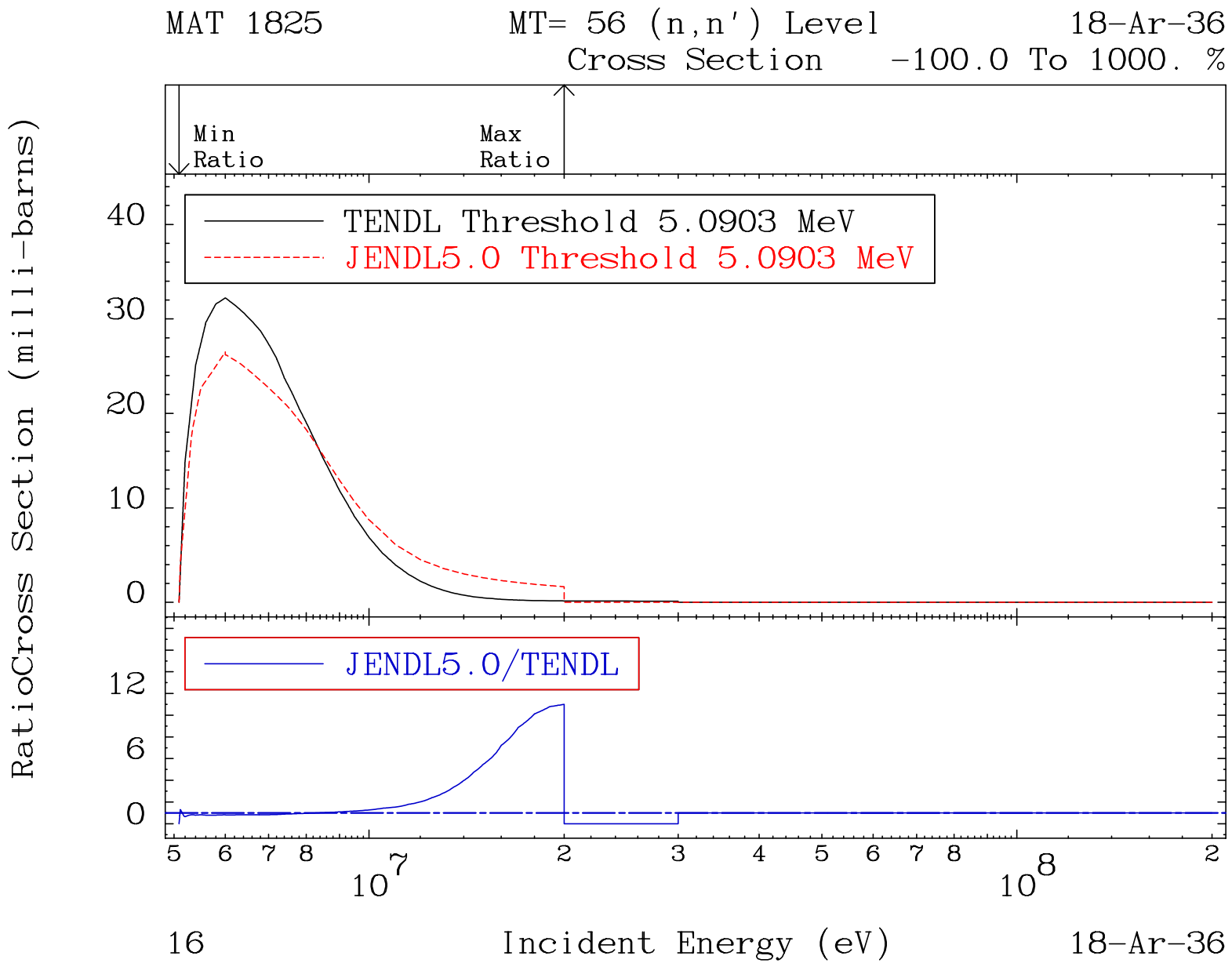

MAT 1825
MT= 51 (n,n') Level
18-Ar-36
Cross Section -100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 2.0256 MeV
JENDL5.0 Threshold 2.0256 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.2
0.6
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
18-Ar-36

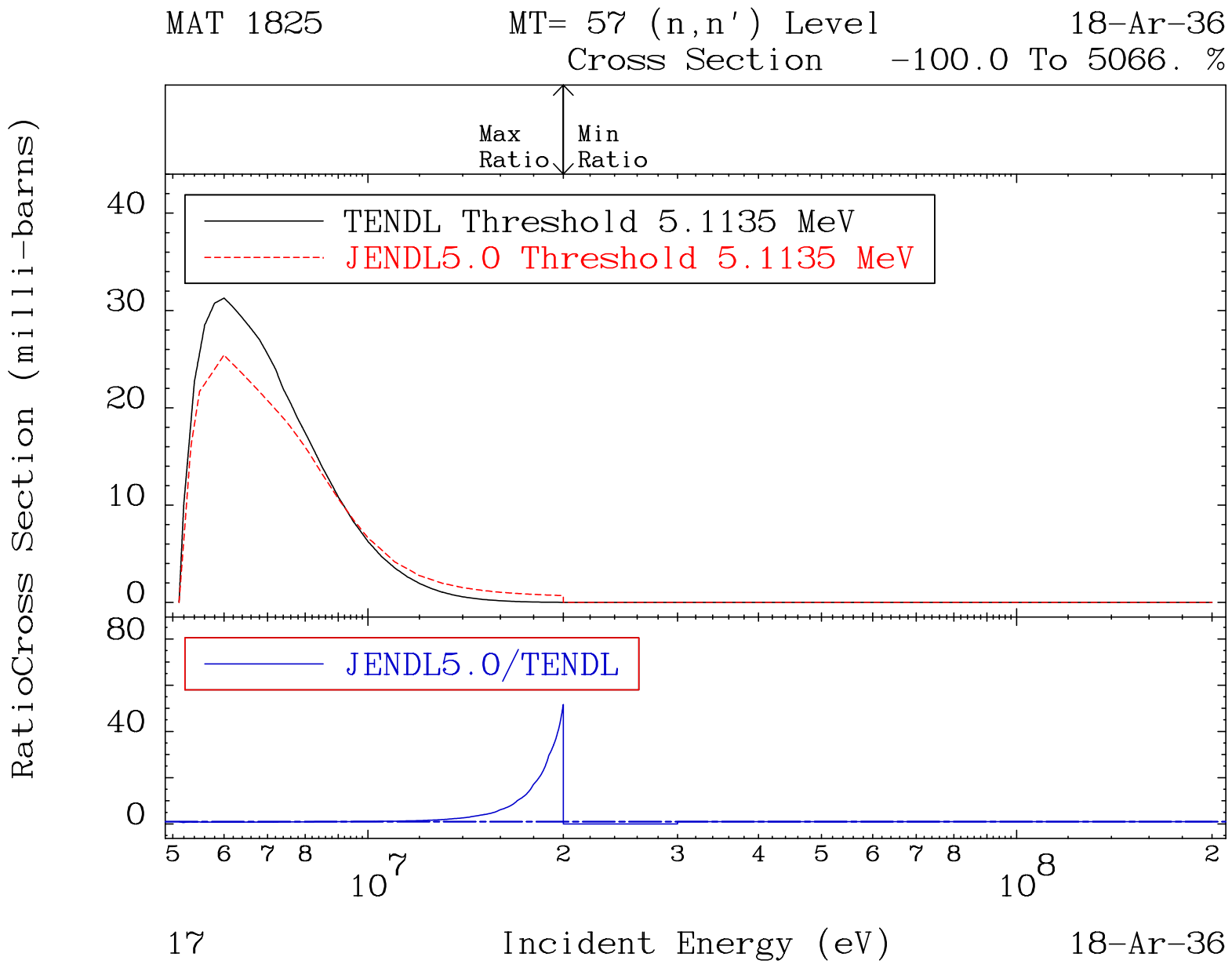

MAT 1825
MT= 52 (n,n') Level
Cross Section
18-Ar-36
-100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 4.2955 MeV
JENDL5.0 Threshold 4.2955 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
18-Ar-36

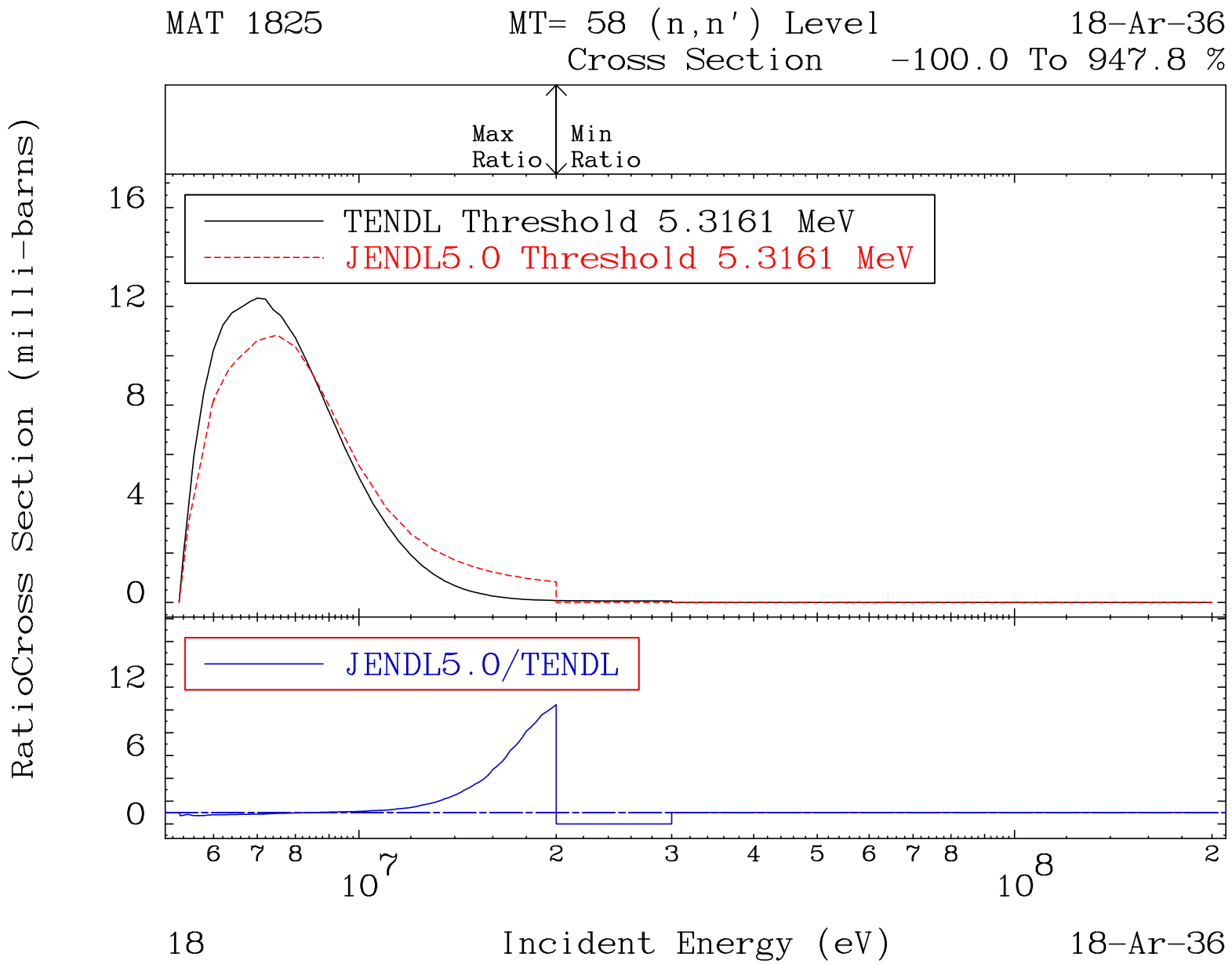

MAT 1825
MT= 53 (n,n') Level
18-Ar-36
Cross Section -100.0 To 121.5 %
Max Ratio
Min Ratio
TENDL Threshold 4.4505 MeV
JENDL5.0 Threshold 4.4505 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
3.0
2.0
1.0
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
13
Incident Energy (eV)
18-Ar-36

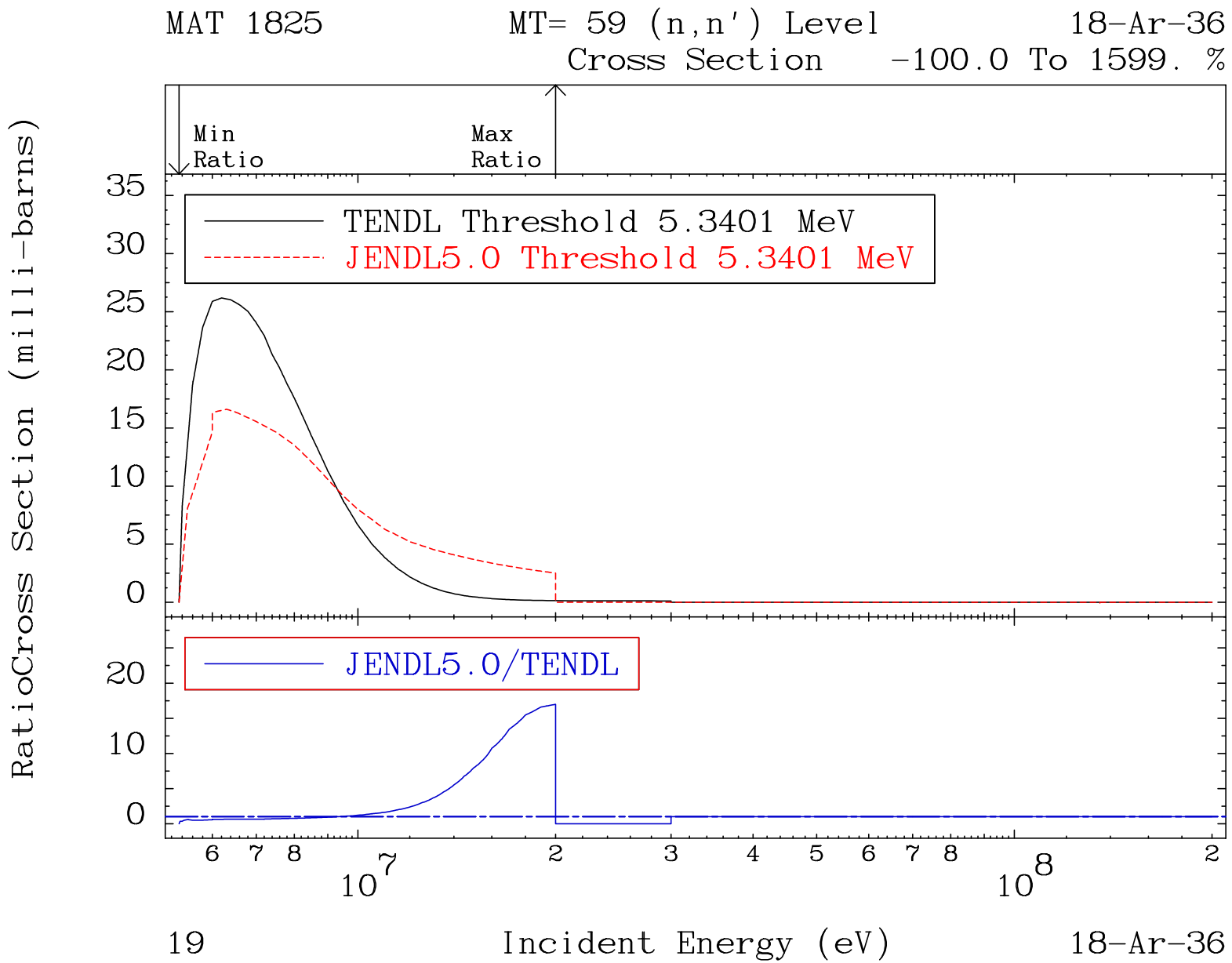

MAT 1825
MT= 54 (n,n') Level
Cross Section
18-Ar-36
-100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 4.5382 MeV
JENDL5.0 Threshold 4.5382 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.6
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
18-Ar-36

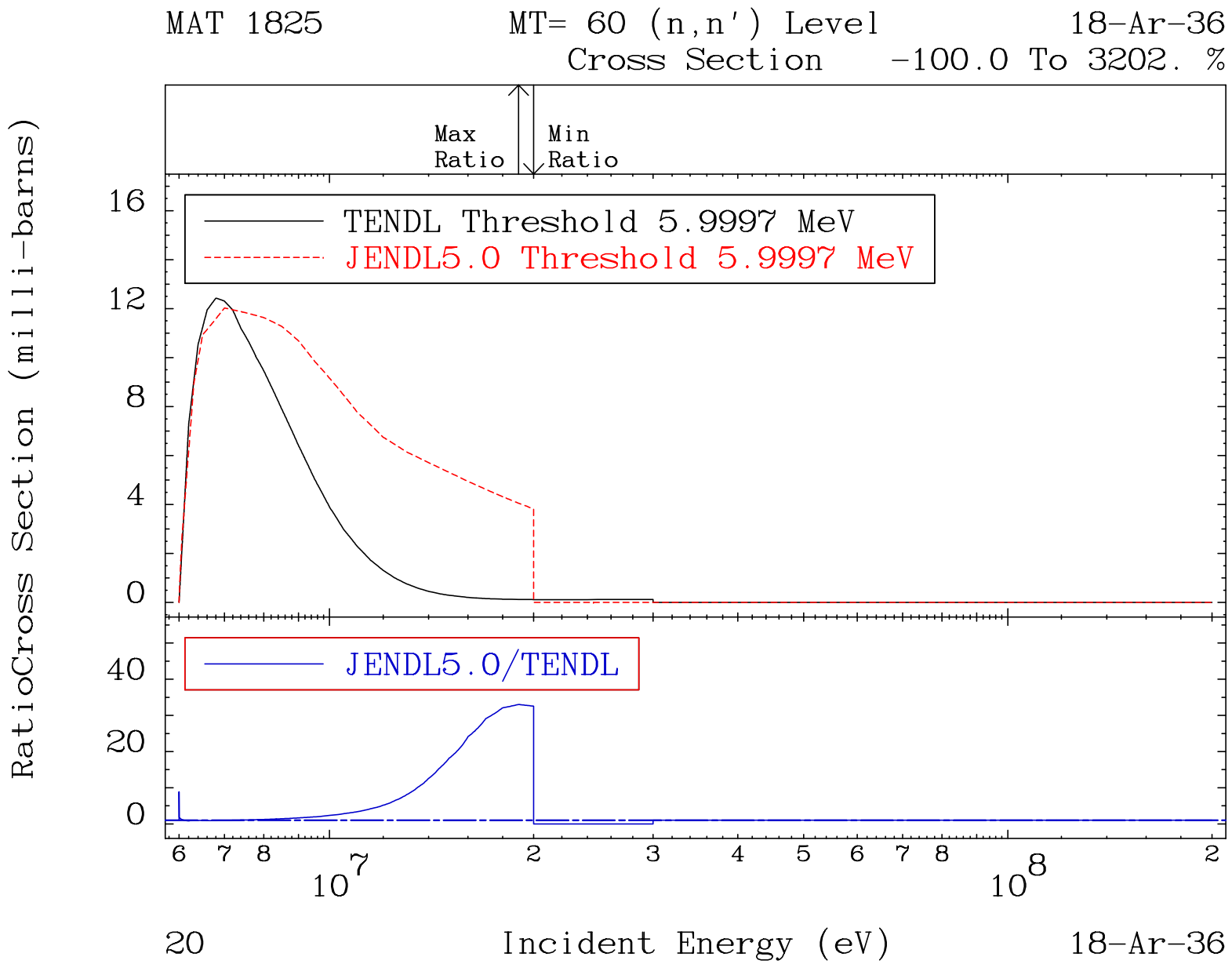

MAT 1825
MT= 55 (n,n') Level
18-Ar-36
Cross Section -100.0 To 495.8 %
Max Ratio
Min Ratio
TENDL Threshold 4.5646 MeV
JENDL5.0 Threshold 4.5646 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
8
4
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
18-Ar-36

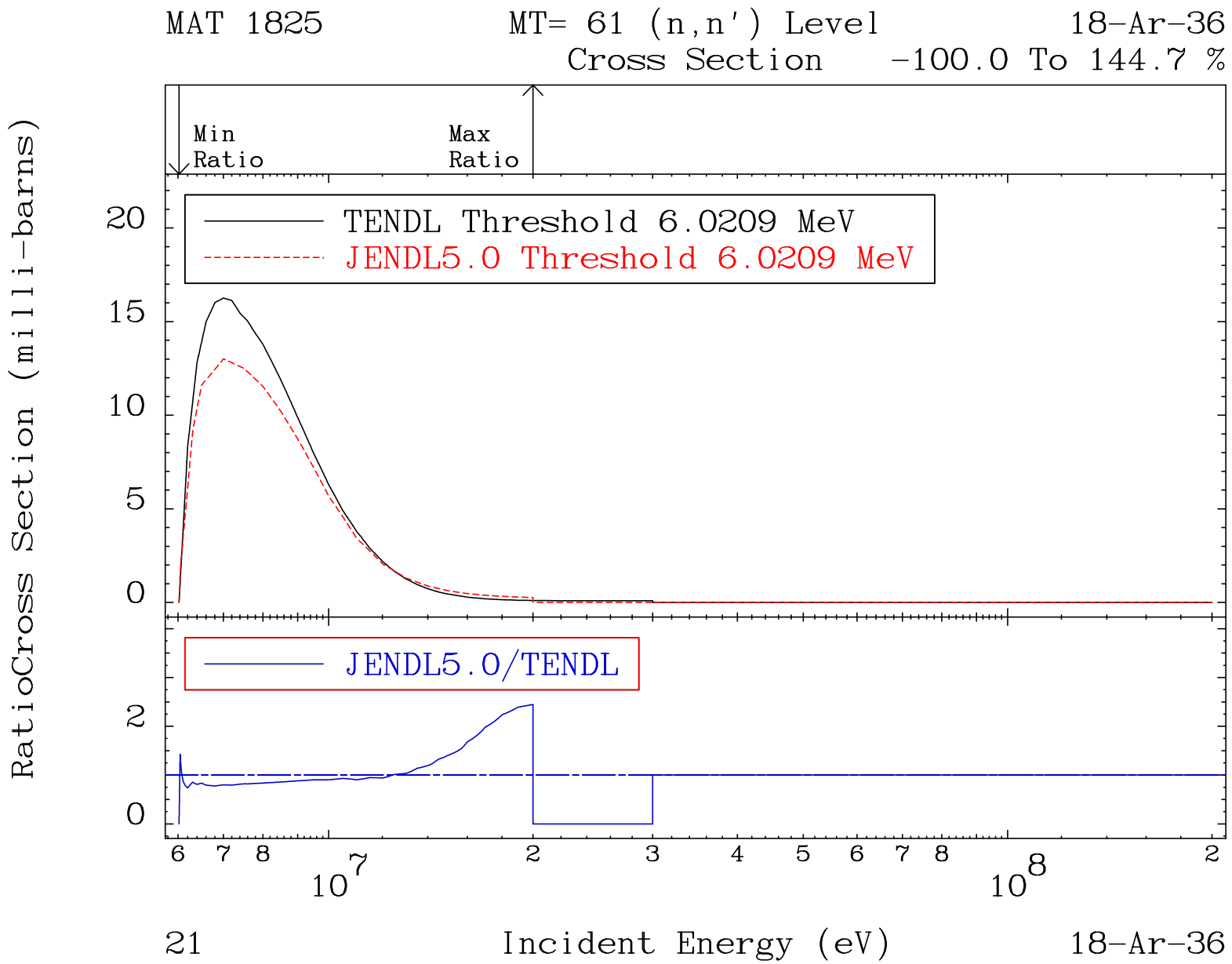

MAT 1825
MT= 56 (n,n') Level
18-Ar-36
Cross Section -100.0 To 1000. %
Min Ratio
Max Ratio
TENDL Threshold 5.0903 MeV
JENDL5.0 Threshold 5.0903 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
12
6
0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
18-Ar-36

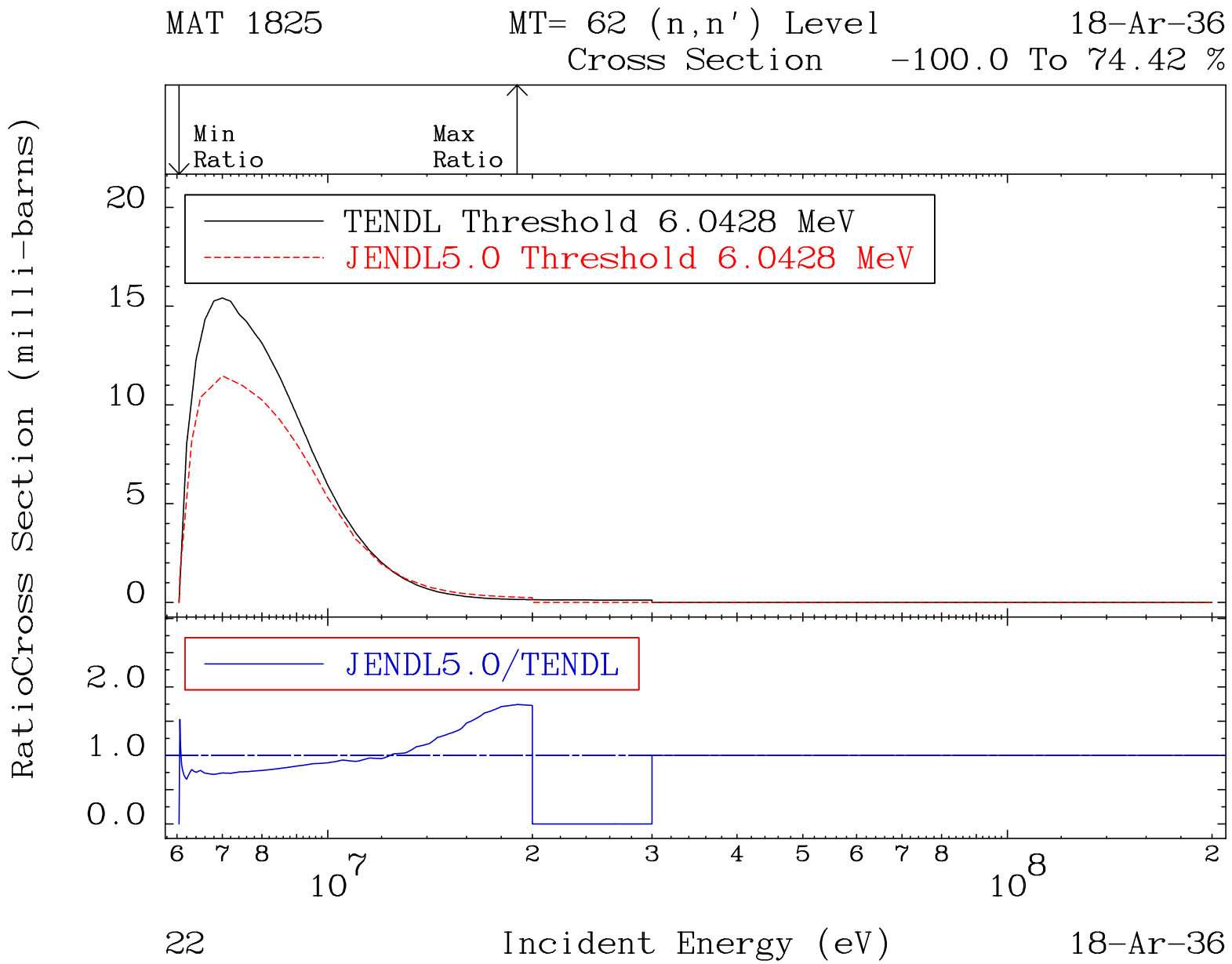

MAT 1825
MT= 57 (n,n') Level
18-Ar-36
Cross Section -100.0 To 5066. %
Max Ratio
Min Ratio
TENDL Threshold 5.1135 MeV
JENDL5.0 Threshold 5.1135 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17
18-Ar-36

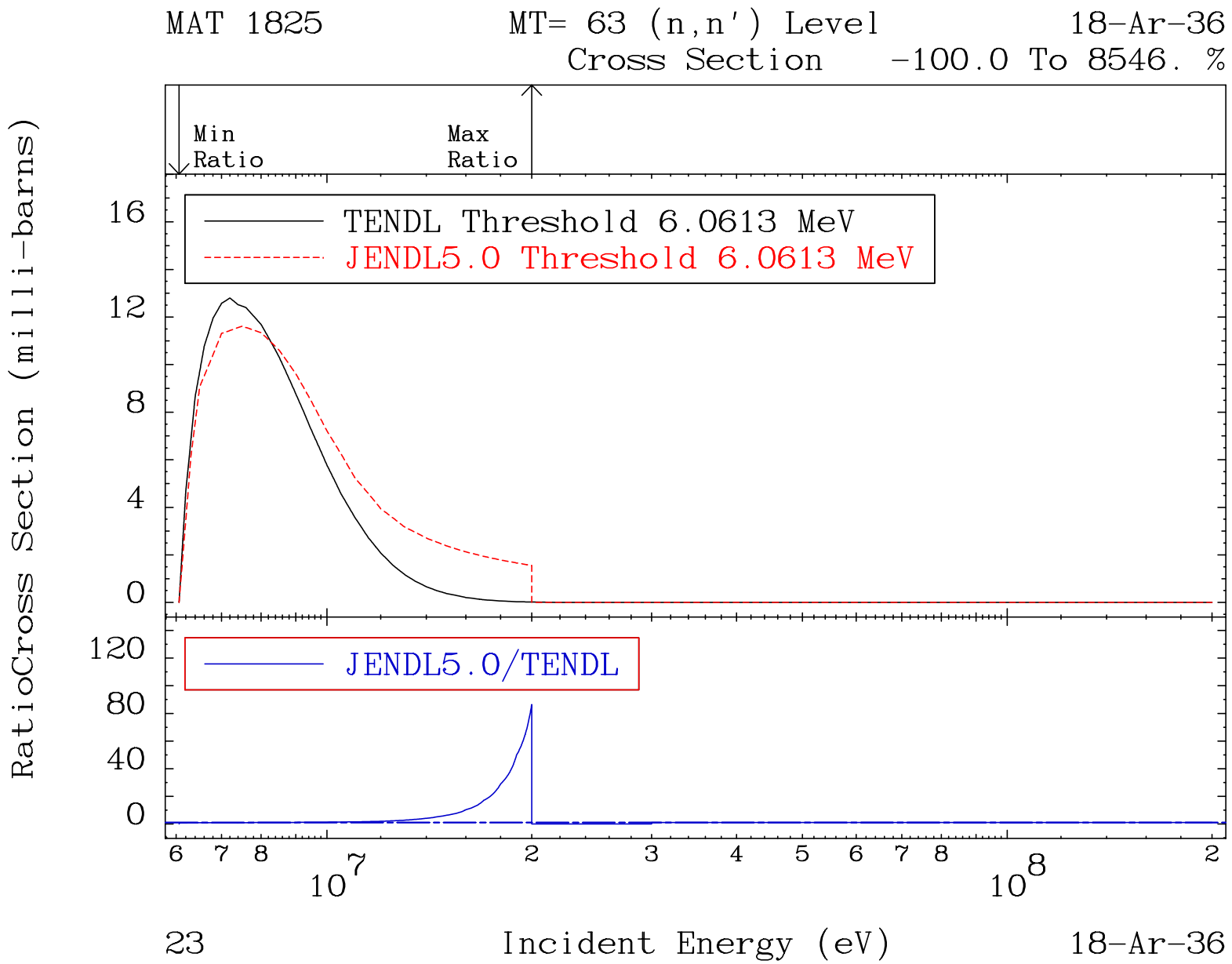

MAT 1825
MT= 58 (n,n') Level
18-Ar-36
Cross Section
-100.0 To 947.8 %
Max Ratio
Min Ratio
TENDL Threshold 5.3161 MeV
JENDL5.0 Threshold 5.3161 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
12
6
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
18-Ar-36

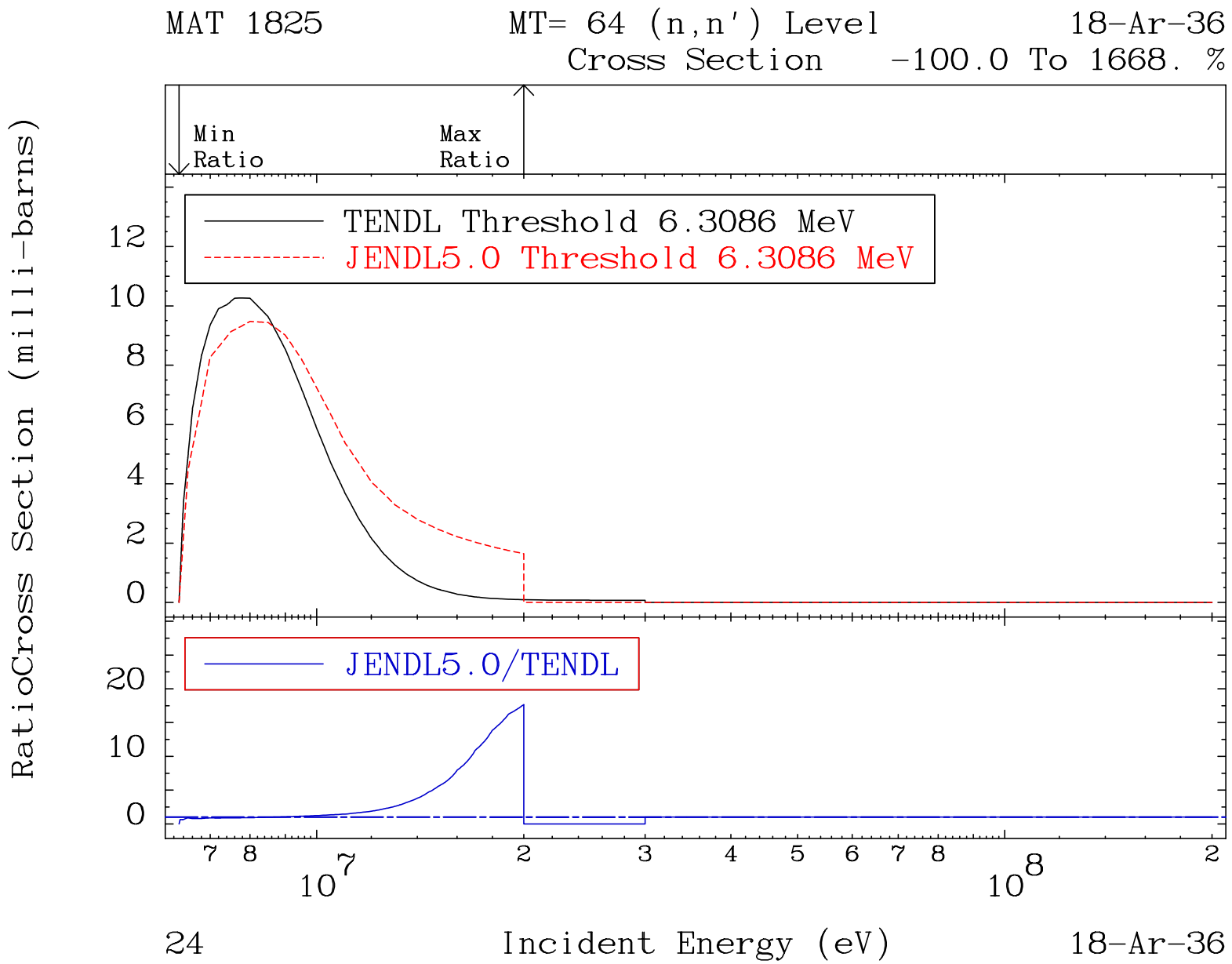

MAT 1825
MT= 59 (n,n') Level
18-Ar-36
Cross Section -100.0 To 1599. %
Min Ratio
Max Ratio
TENDL Threshold 5.3401 MeV
JENDL5.0 Threshold 5.3401 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
18-Ar-36

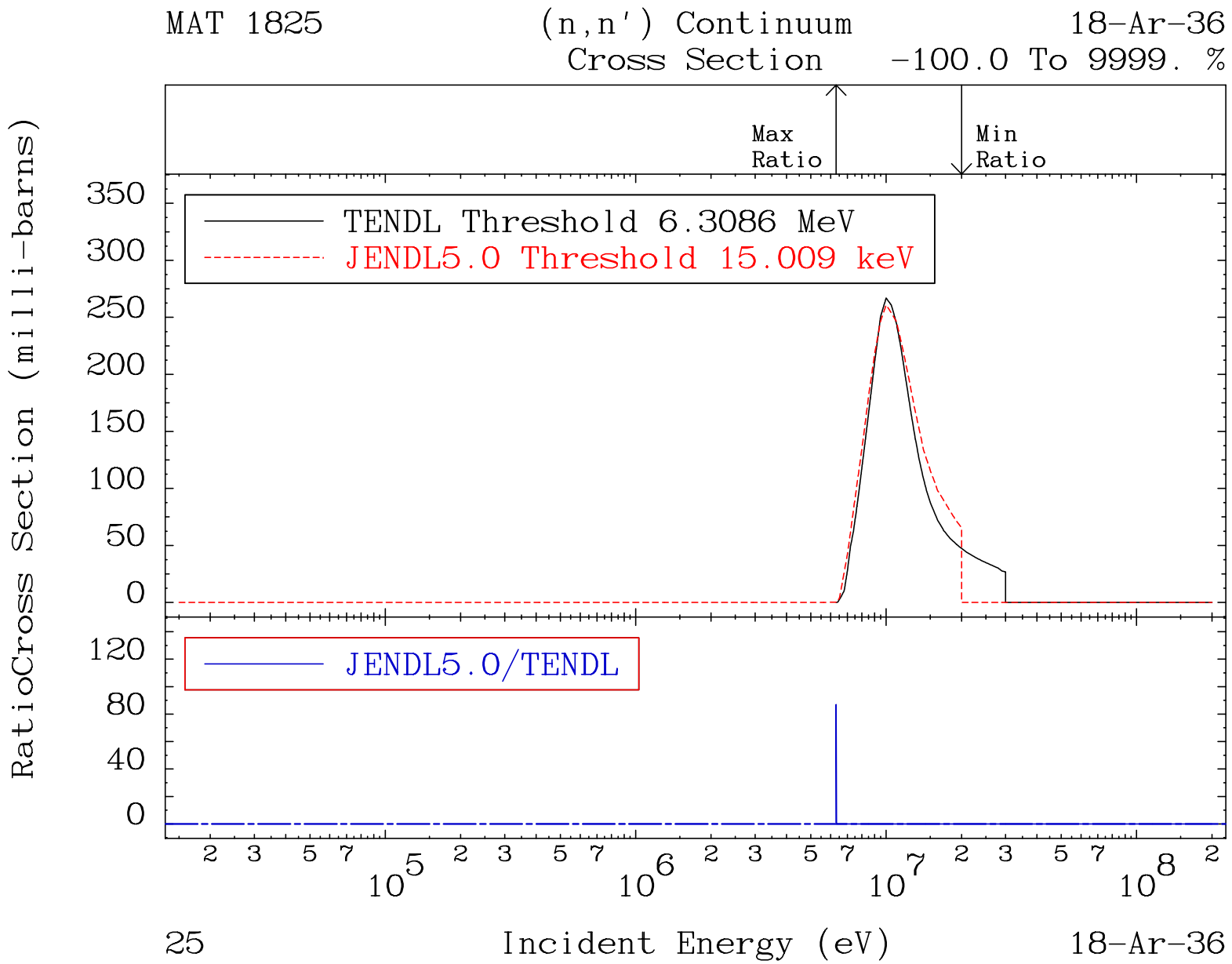

MAT 1825
MT= 60 (n,n') Level
18-Ar-36
Cross Section -100.0 To 3202. %
Max Ratio
Min Ratio
TENDL Threshold 5.9997 MeV
JENDL5.0 Threshold 5.9997 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
20
18-Ar-36

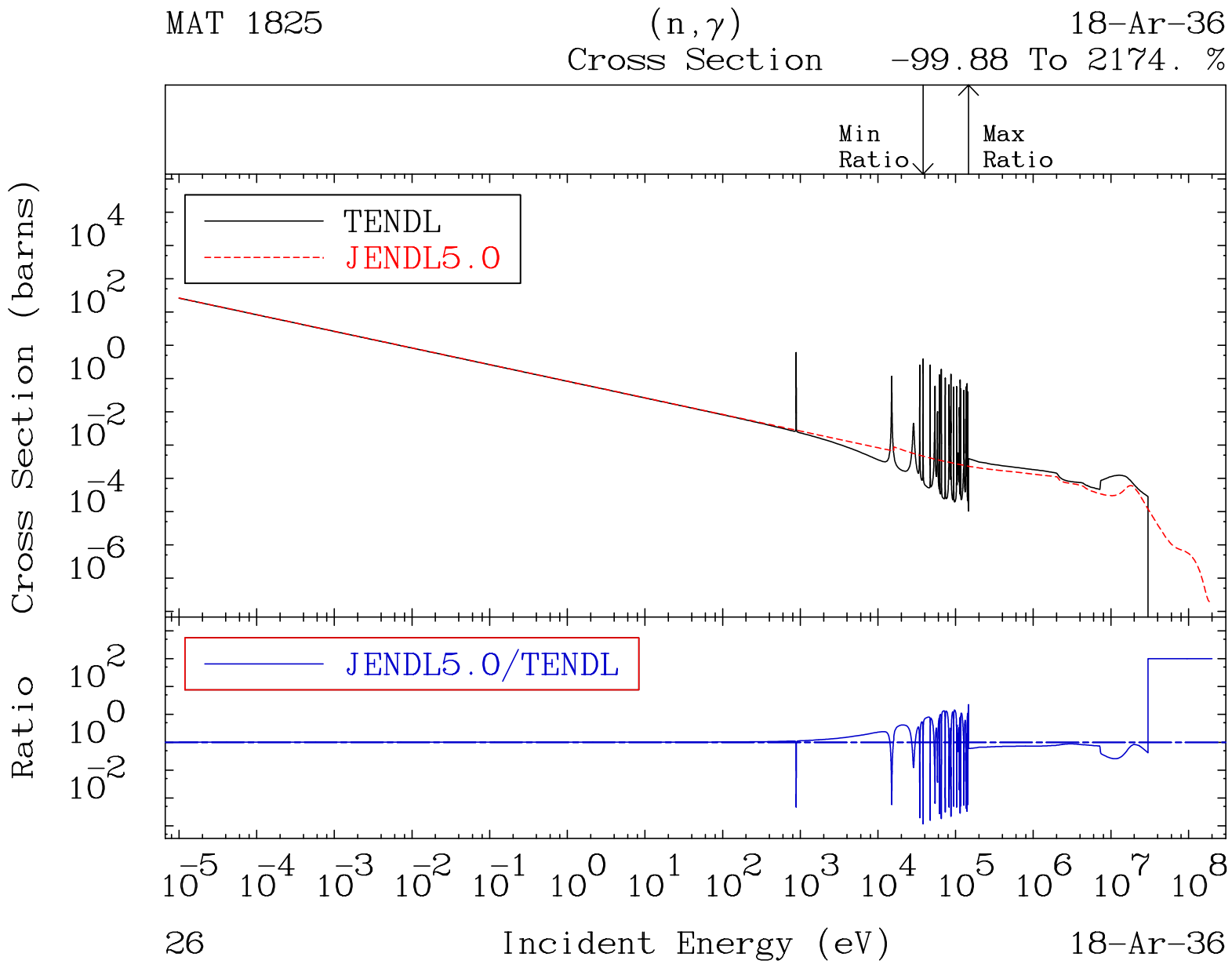

MAT 1825
MT= 61 (n,n') Level
18-Ar-36
Cross Section -100.0 To 144.7 %
Min Ratio
Max Ratio
TENDL Threshold 6.0209 MeV
JENDL5.0 Threshold 6.0209 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
21
18-Ar-36

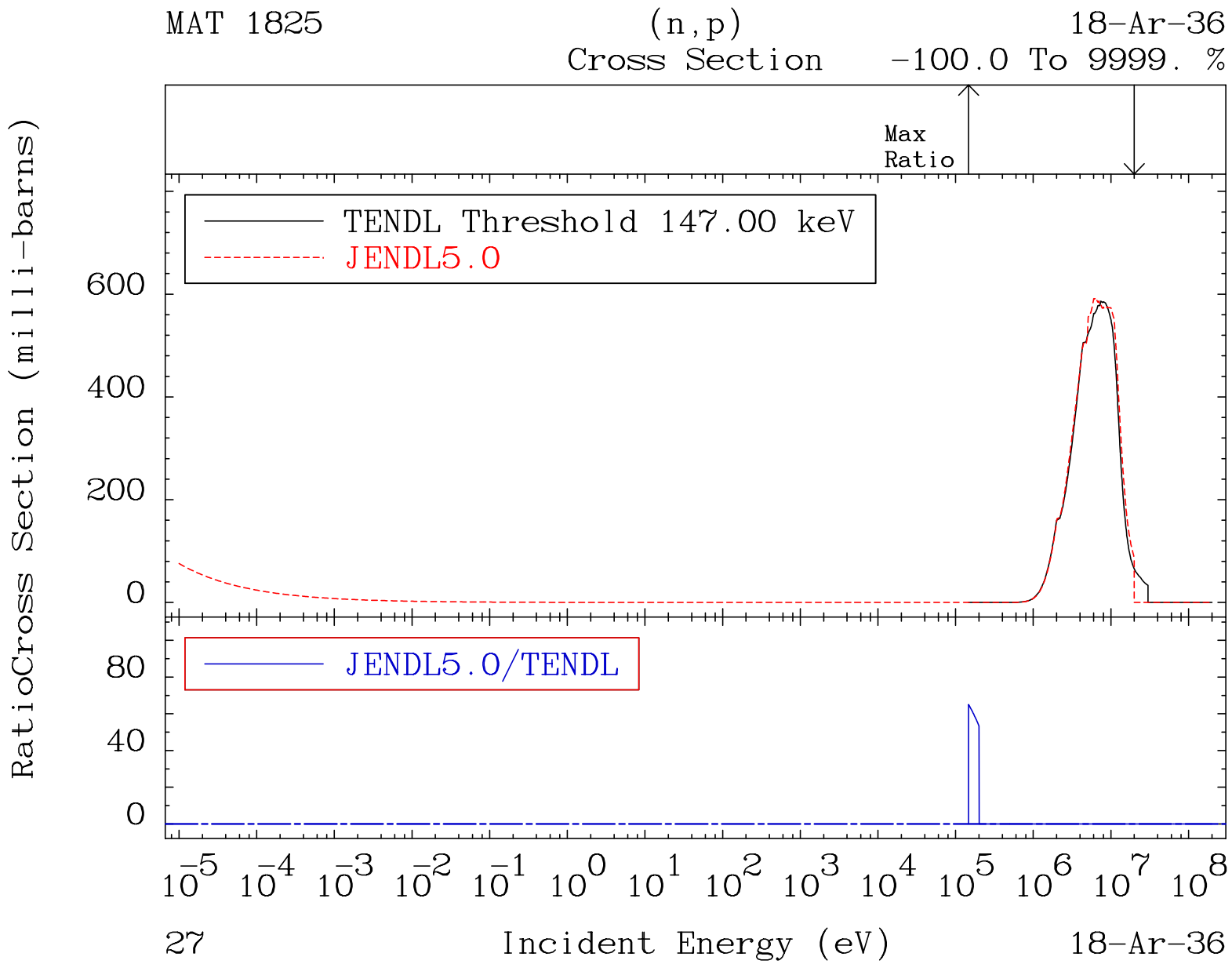

MAT 1825
MT= 62 (n,n') Level
18-Ar-36
Cross Section
-100.0 To 74.42 %
Min Ratio
Max Ratio
TENDL Threshold 6.0428 MeV
JENDL5.0 Threshold 6.0428 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
22
18-Ar-36

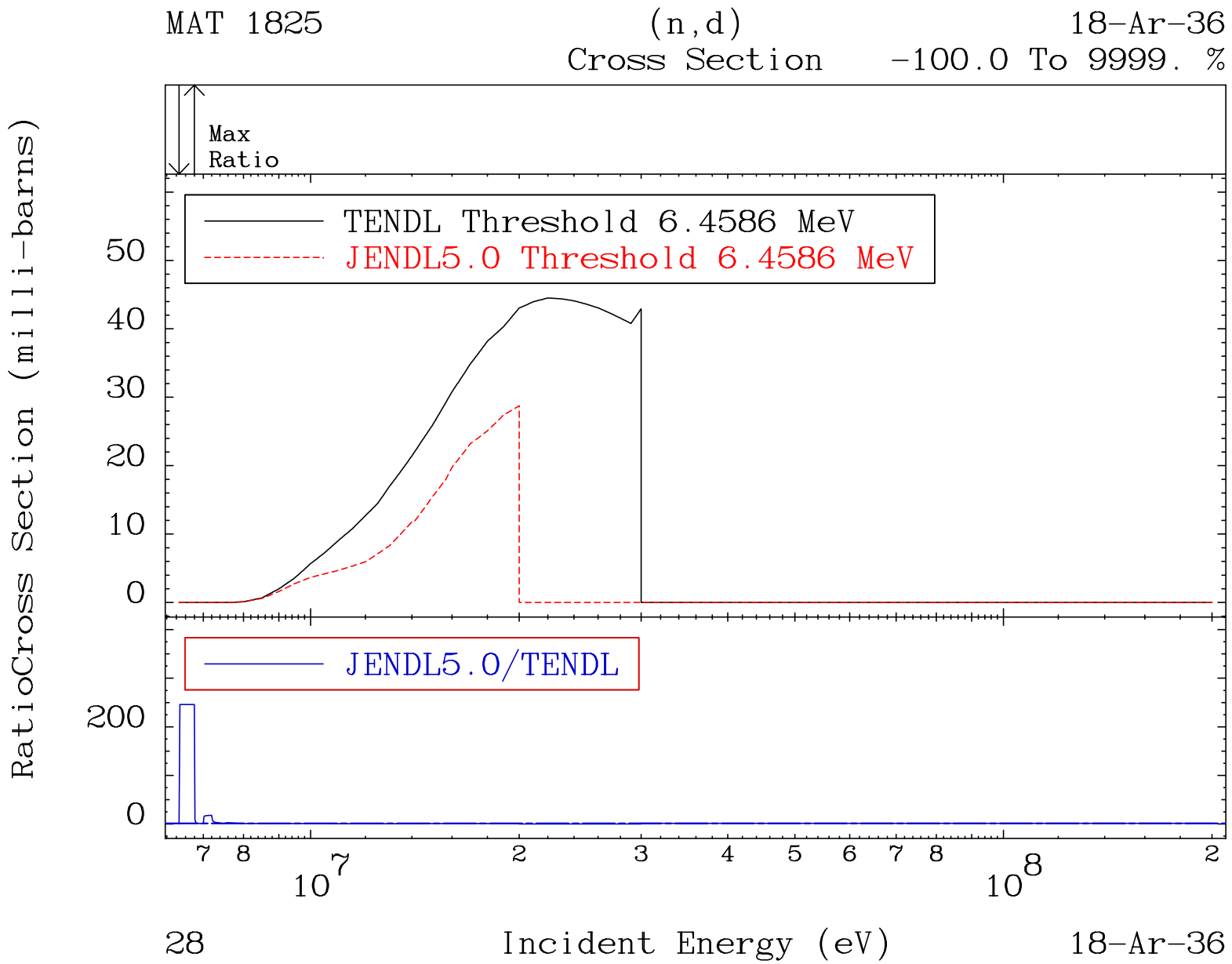

MAT 1825
MT= 63 (n,n') Level
18-Ar-36
Cross Section -100.0 To 8546. %
Min Ratio
Max Ratio
TENDL Threshold 6.0613 MeV
JENDL5.0 Threshold 6.0613 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
120
80
40
0
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
18-Ar-36

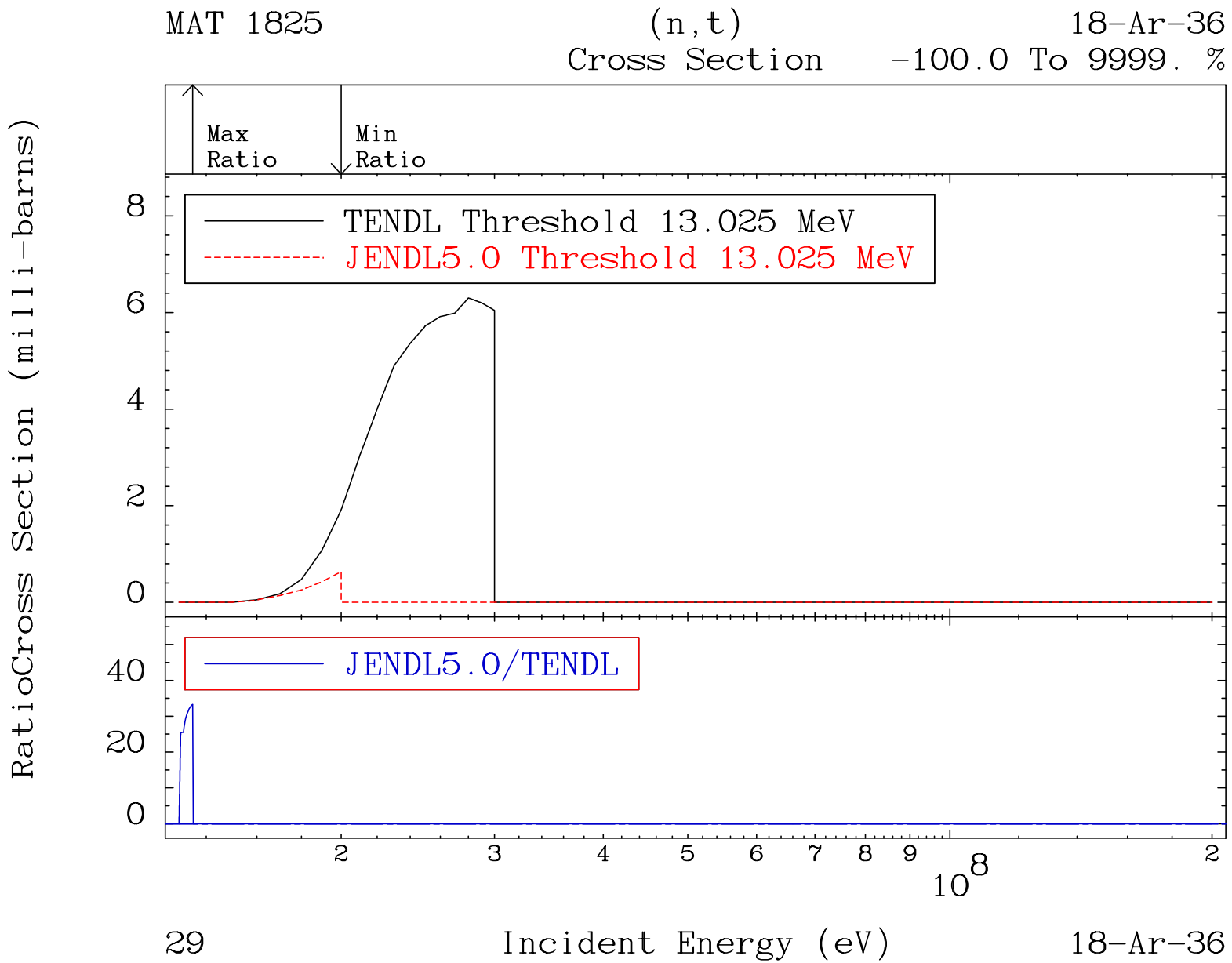

MAT 1825
MT= 64 (n,n') Level
18-Ar-36
Cross Section -100.0 To 1668. %
Min Ratio
Max Ratio
TENDL Threshold 6.3086 MeV
JENDL5.0 Threshold 6.3086 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
24
18-Ar-36

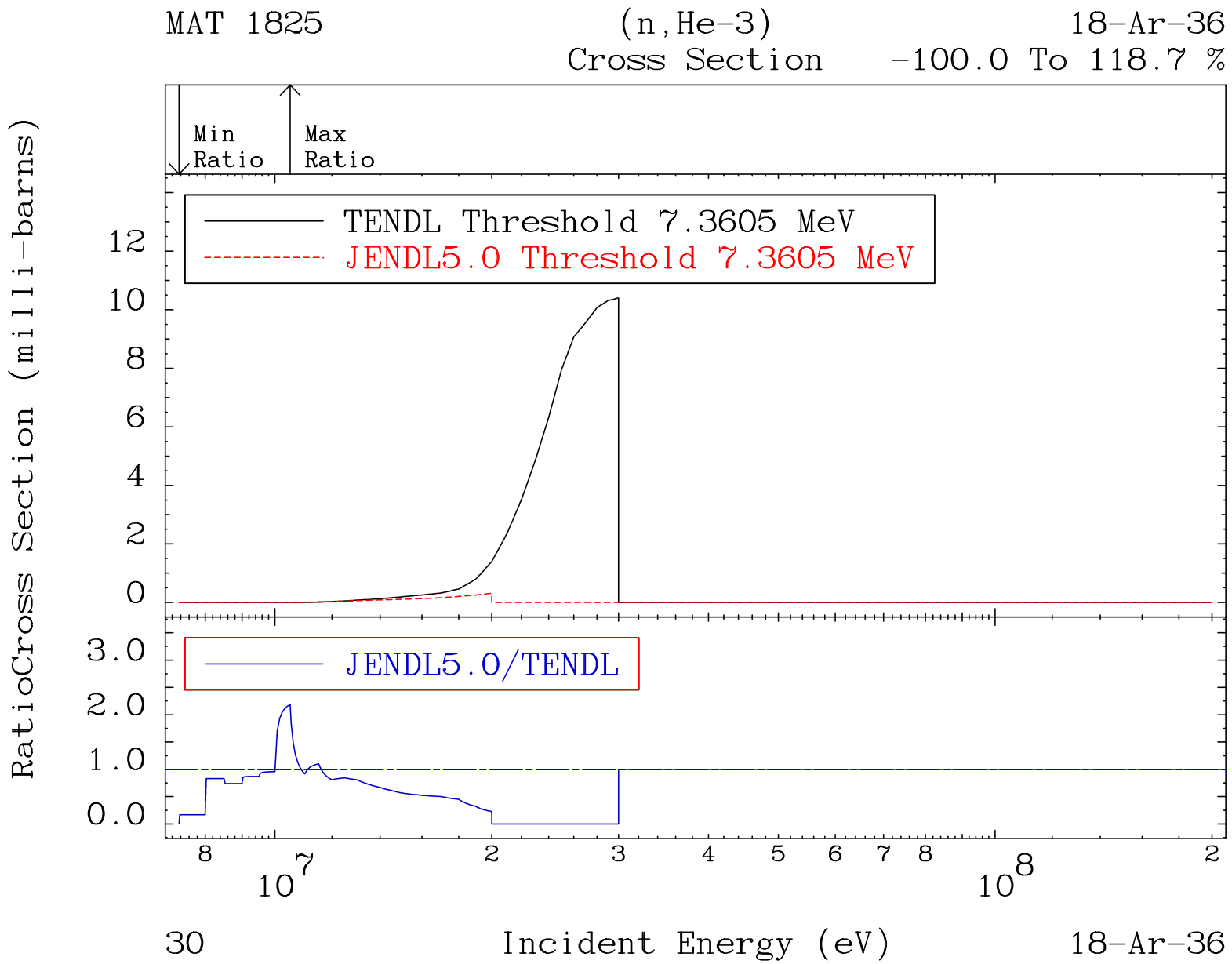

MAT 1825
(n,n') Continuum
Cross Section
18-Ar-36
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.3086 MeV
JENDL5.0 Threshold 15.009 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
120
80
40
0
2 3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
25
Incident Energy (eV)
18-Ar-36

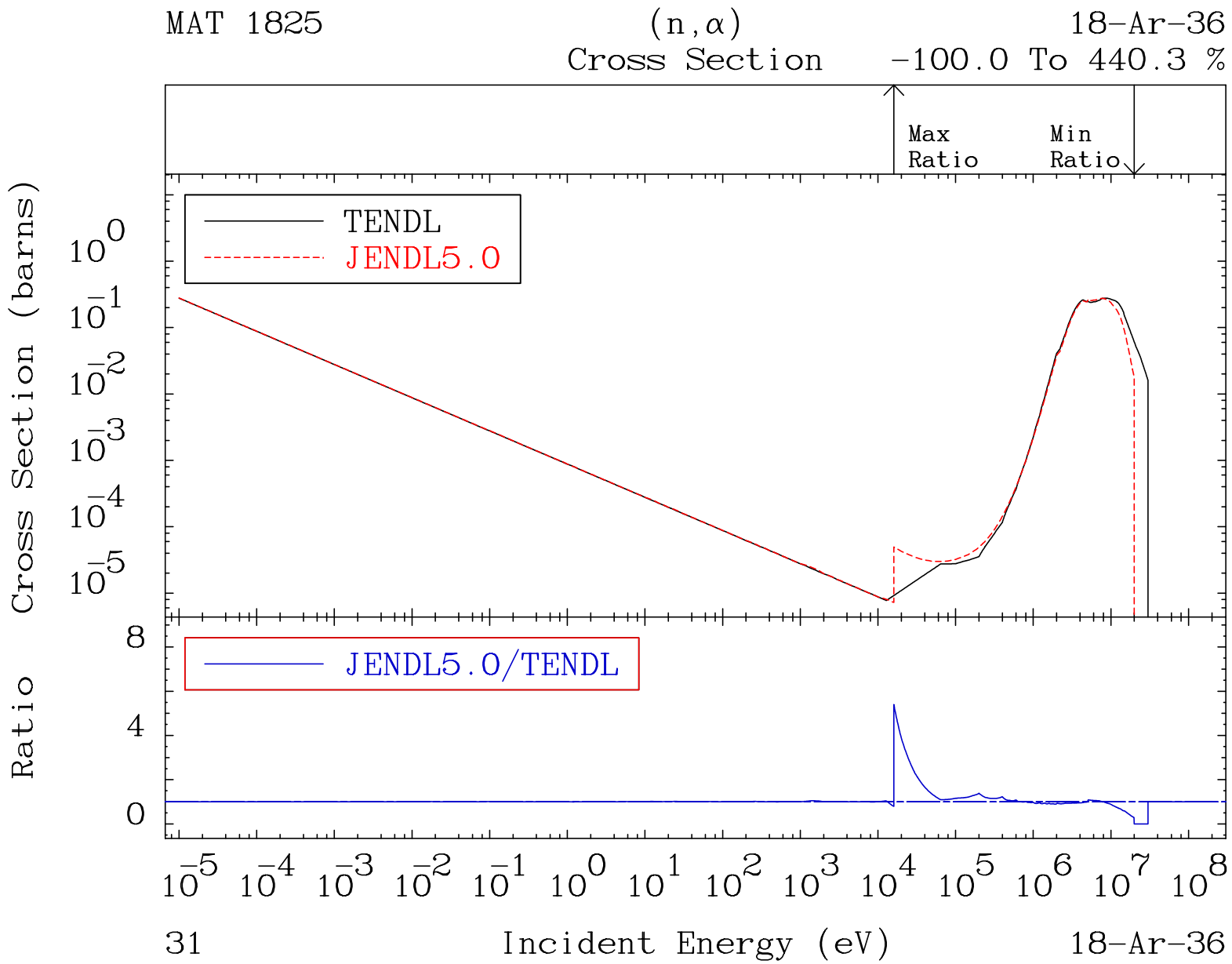

MAT 1825
(n,γ)
Cross Section
18-Ar-36
-99.88 To 2174. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
26
18-Ar-36

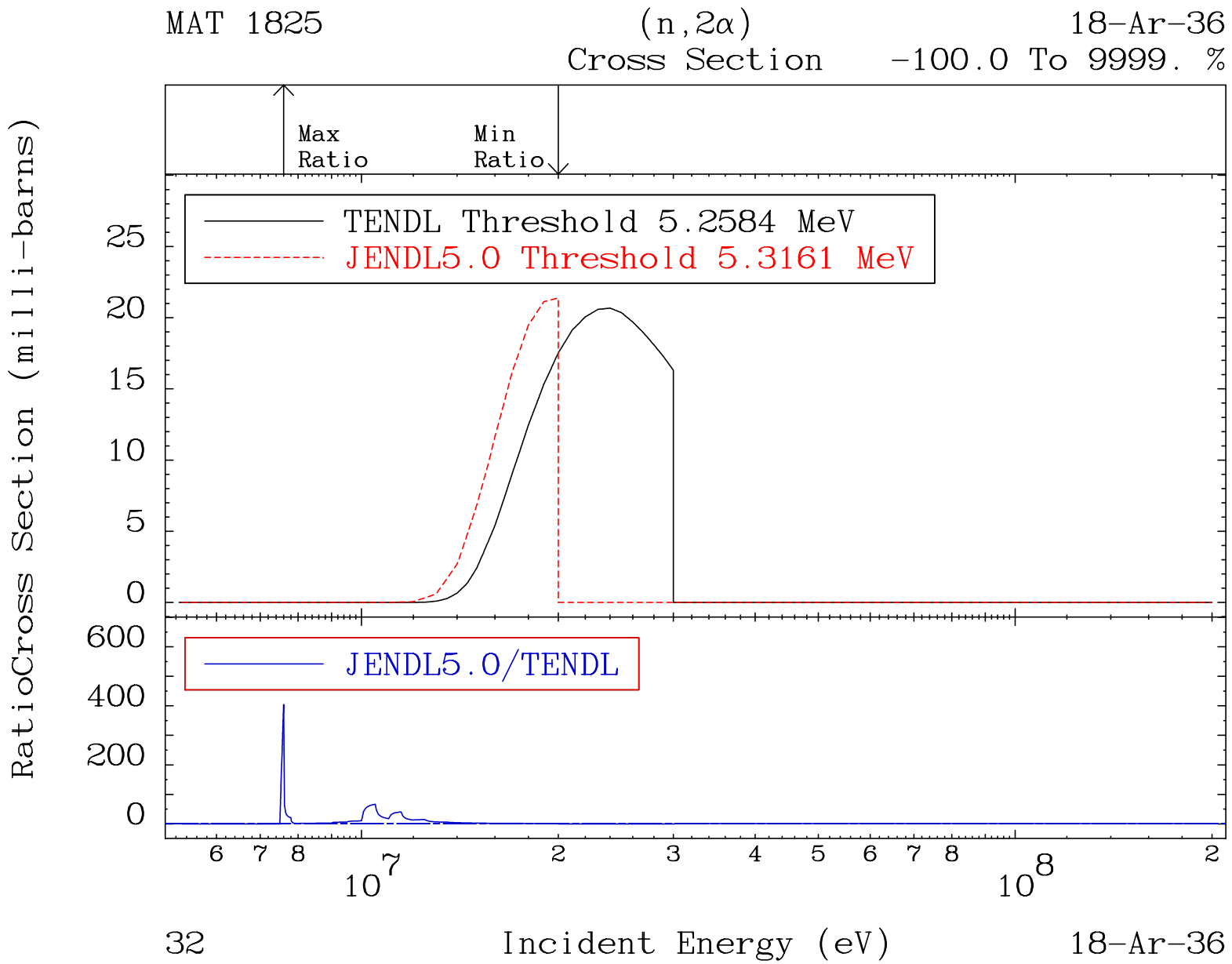

MAT 1825
(n,p)
Cross Section
18-Ar-36
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 147.00 keV
JENDL5.0
JENDL5.0/TENDL
RatioCross Section (milli-barns)
600
400
200
0
80
40
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
27
Incident Energy (eV)
18-Ar-36

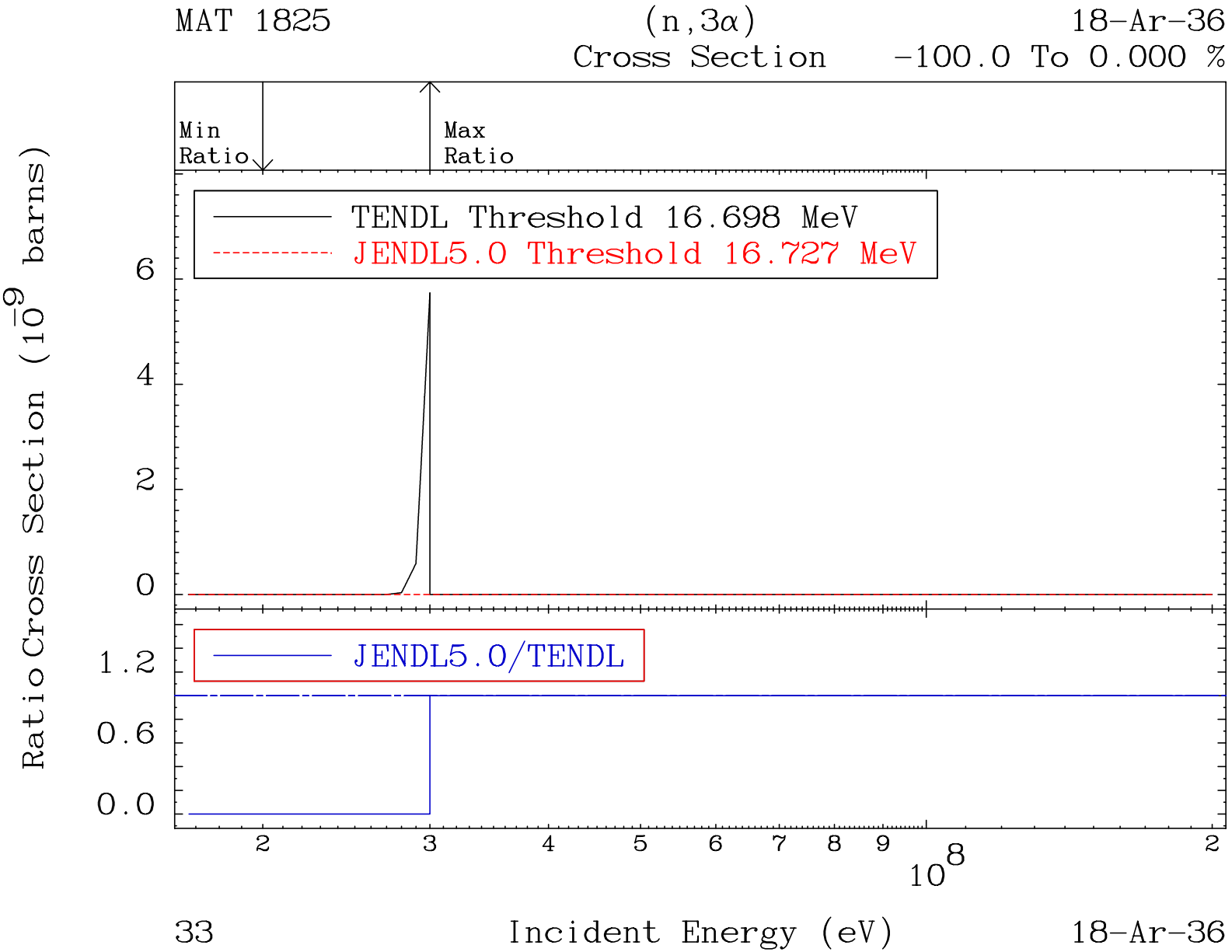

MAT 1825
(n,d)
Cross Section
18-Ar-36
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.4586 MeV
JENDL5.0 Threshold 6.4586 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
200
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
28
Incident Energy (eV)
18-Ar-36

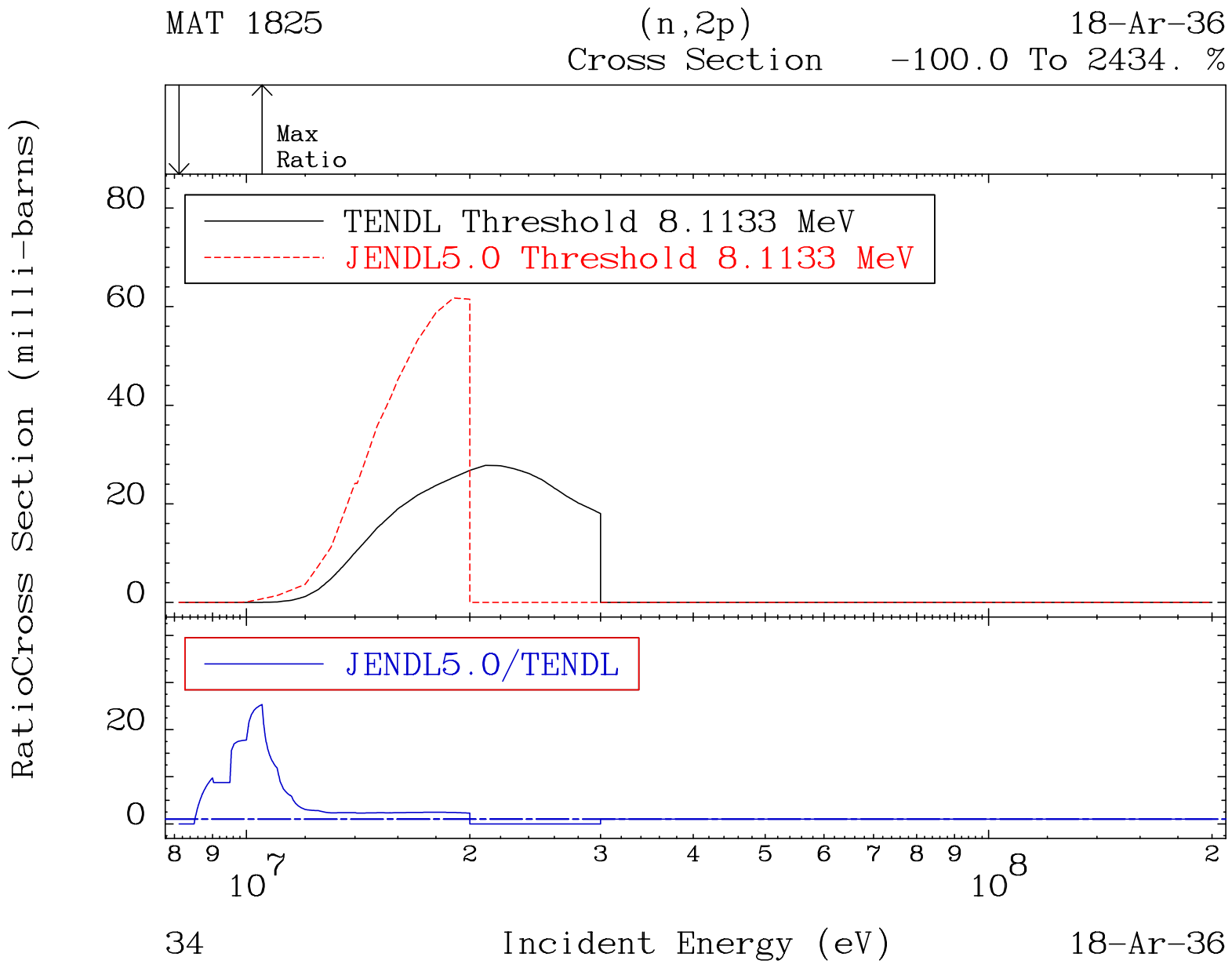

MAT 1825
(n,t)
Cross Section
18-Ar-36
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.025 MeV
JENDL5.0 Threshold 13.025 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
40
20
0
2
3
4
5
6
7
8
9
10^8
2
29
Incident Energy (eV)
18-Ar-36

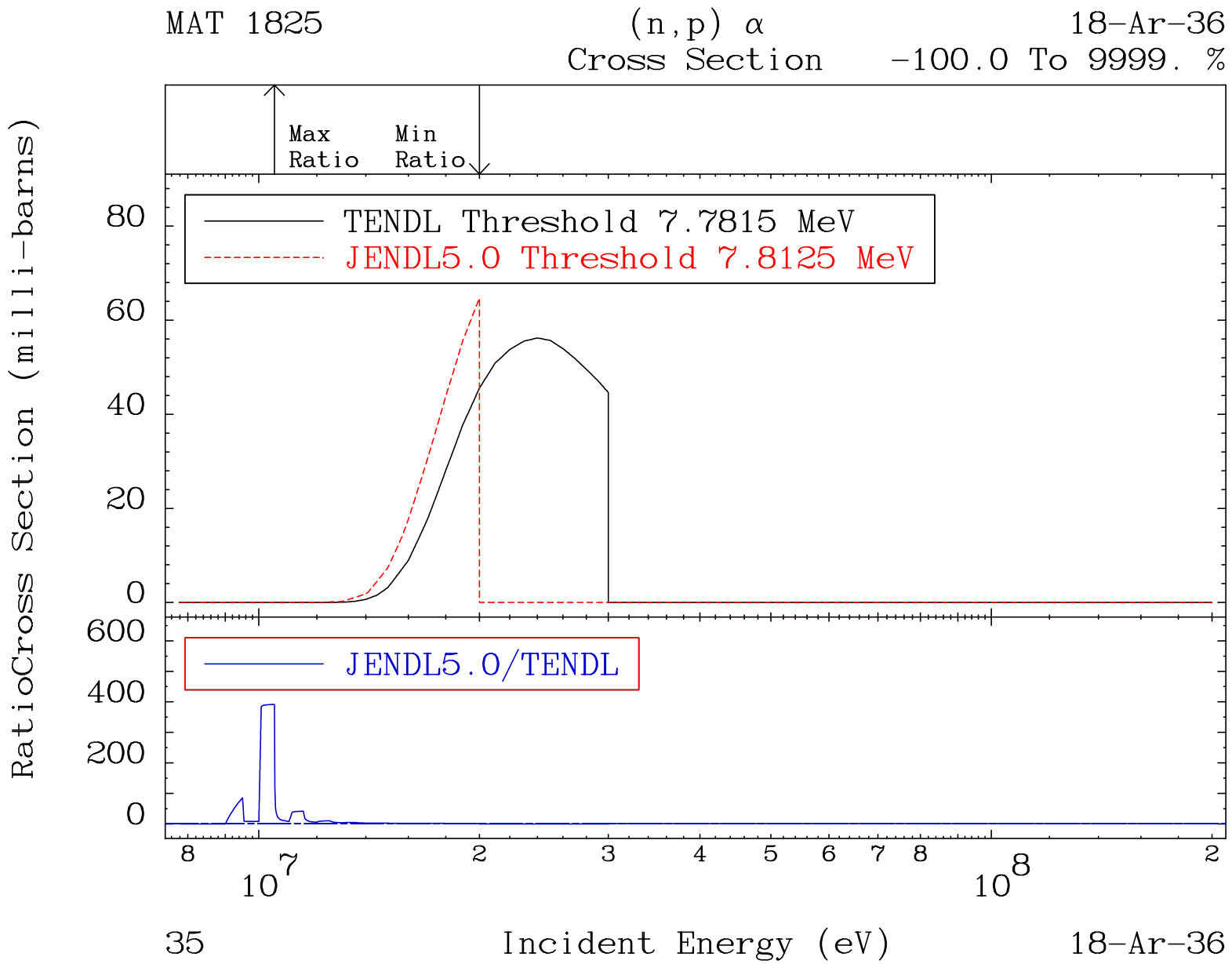

MAT 1825
(n,He-3)
Cross Section
18-Ar-36
-100.0 To 118.7 %
Min Ratio
Max Ratio
TENDL Threshold 7.3605 MeV
JENDL5.0 Threshold 7.3605 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
3.0
2.0
1.0
0.0
8
2
3
4
5
6
7
8
2
10^7
10^8
30
Incident Energy (eV)
18-Ar-36

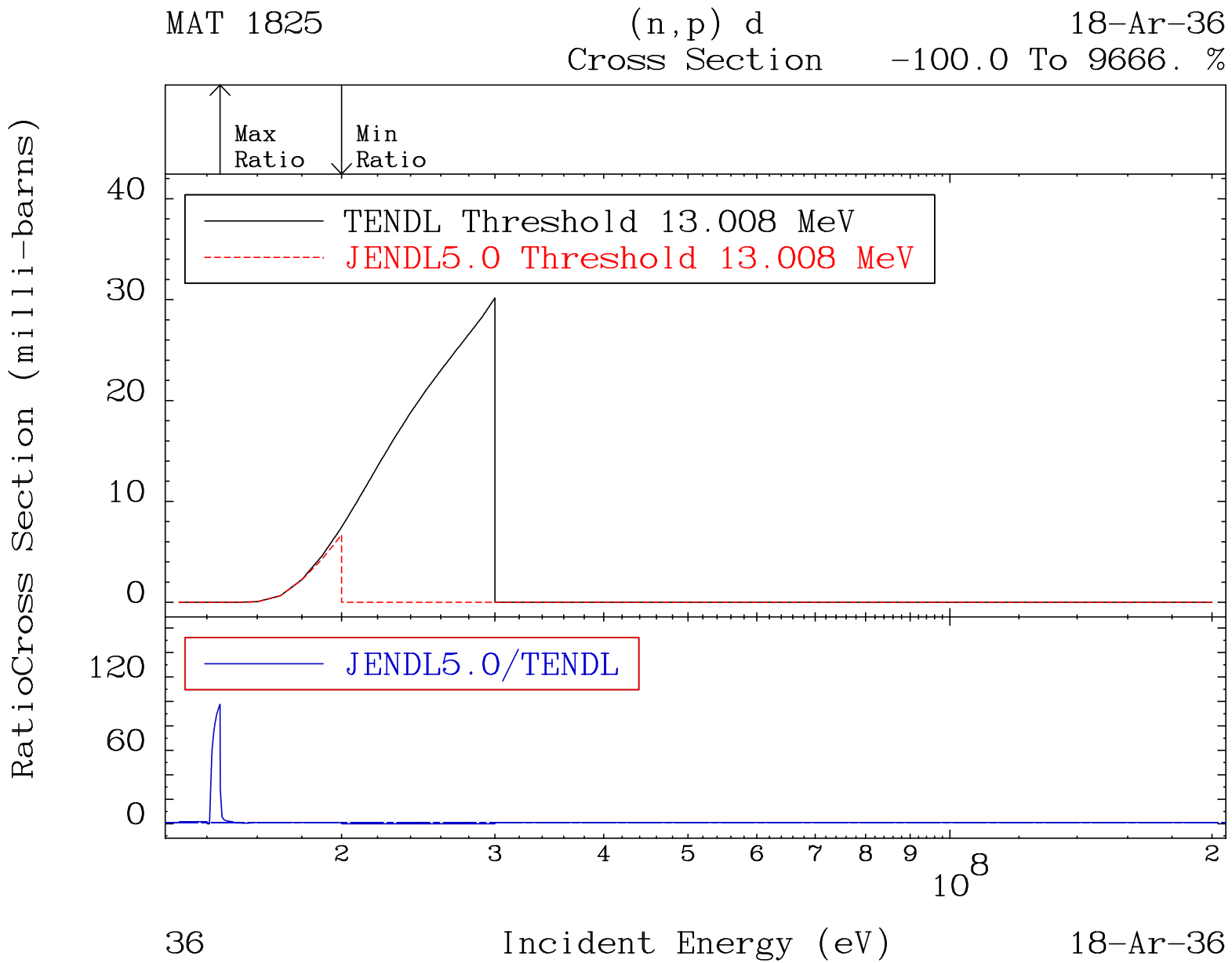

MAT 1825
(n,α)
Cross Section
18-Ar-36
-100.0 To 440.3 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
31
18-Ar-36

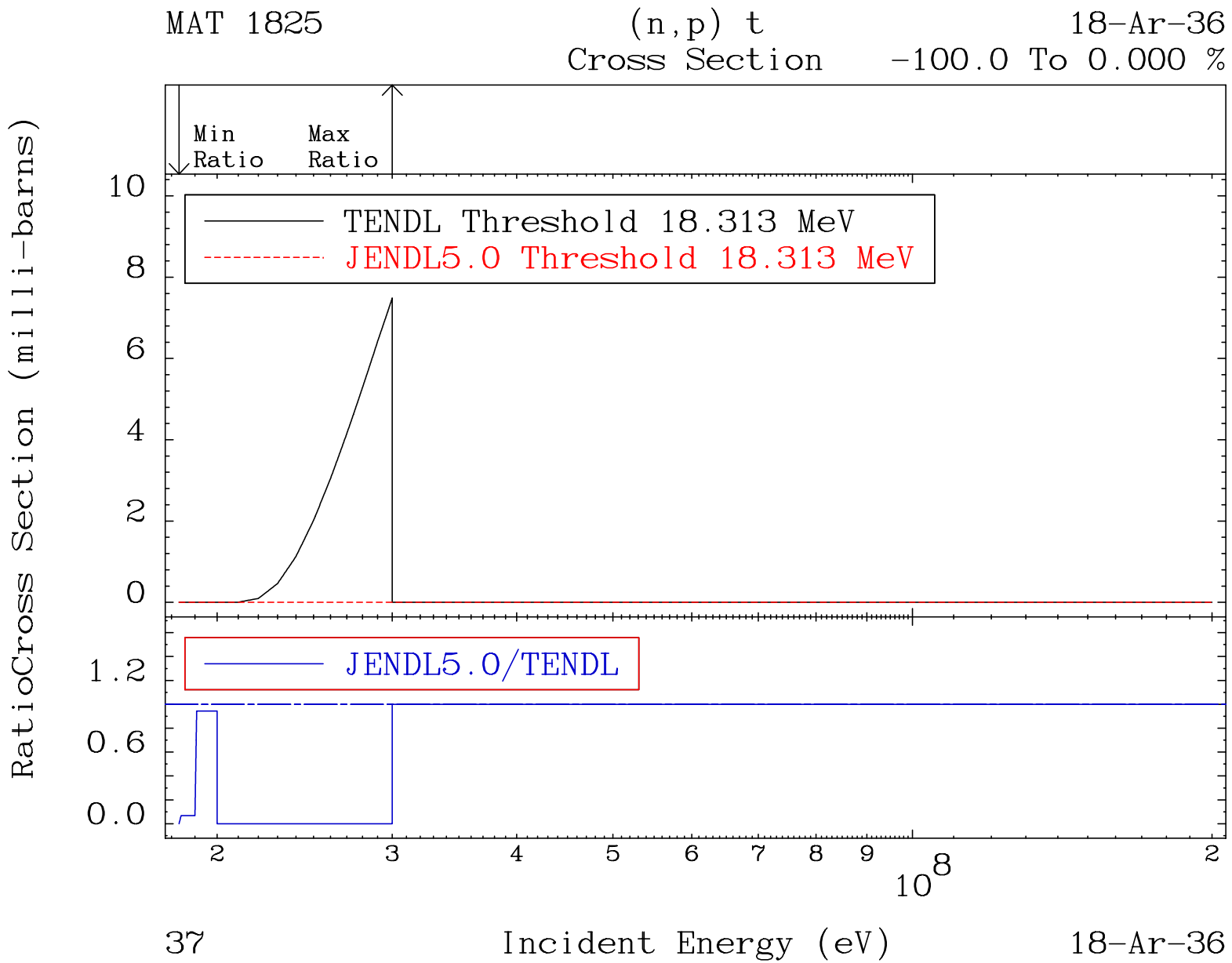

MAT 1825
(n,2α)
Cross Section
18-Ar-36
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 5.2584 MeV
JENDL5.0 Threshold 5.3161 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
600
400
200
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
32
Incident Energy (eV)
18-Ar-36

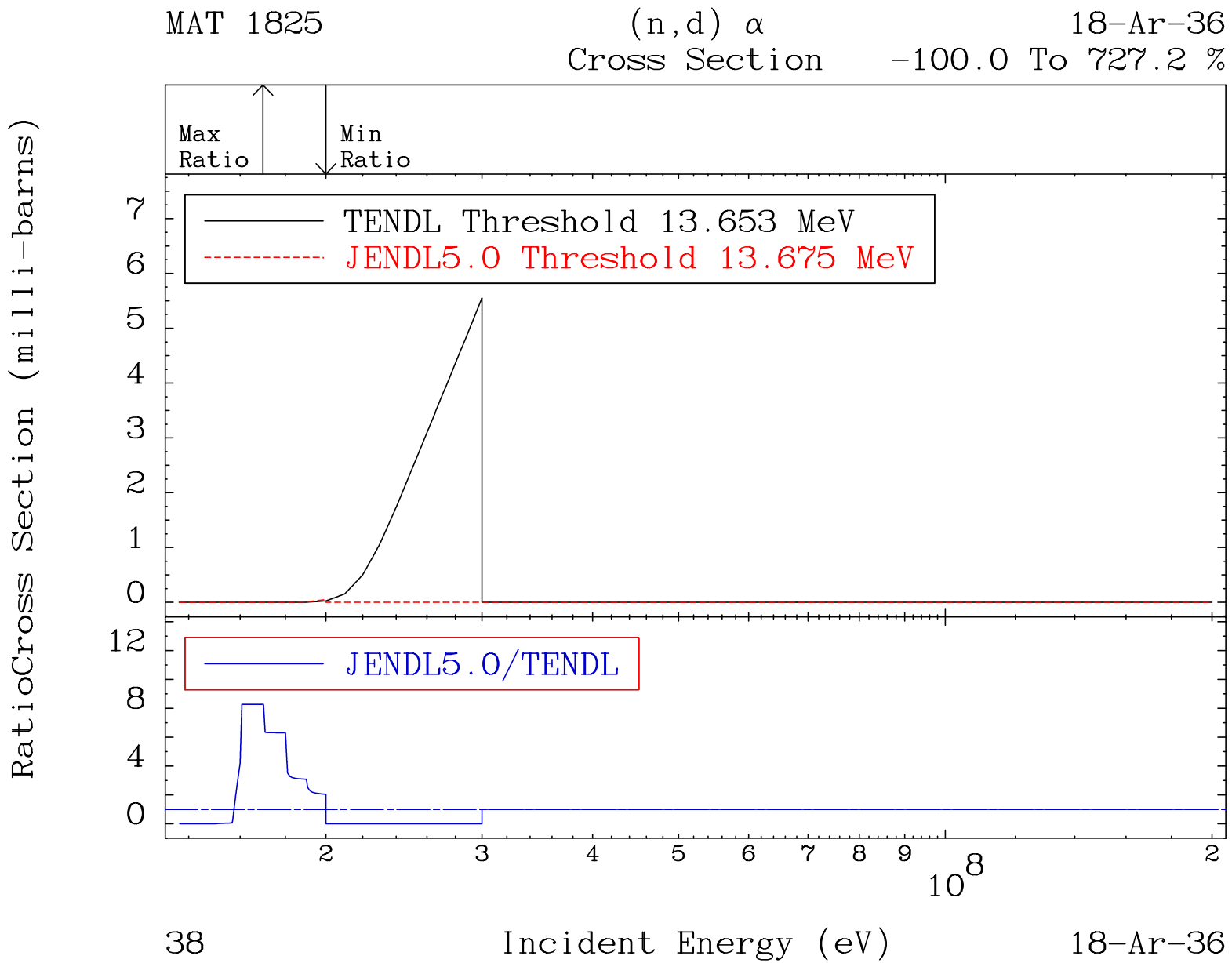

MAT 1825
(n,3α)
Cross Section
18-Ar-36
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 16.698 MeV
JENDL5.0 Threshold 16.727 MeV
JENDL5.0/TENDL
Ratio Cross Section (10^-9 barns)
6
4
2
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
33
Incident Energy (eV)
18-Ar-36

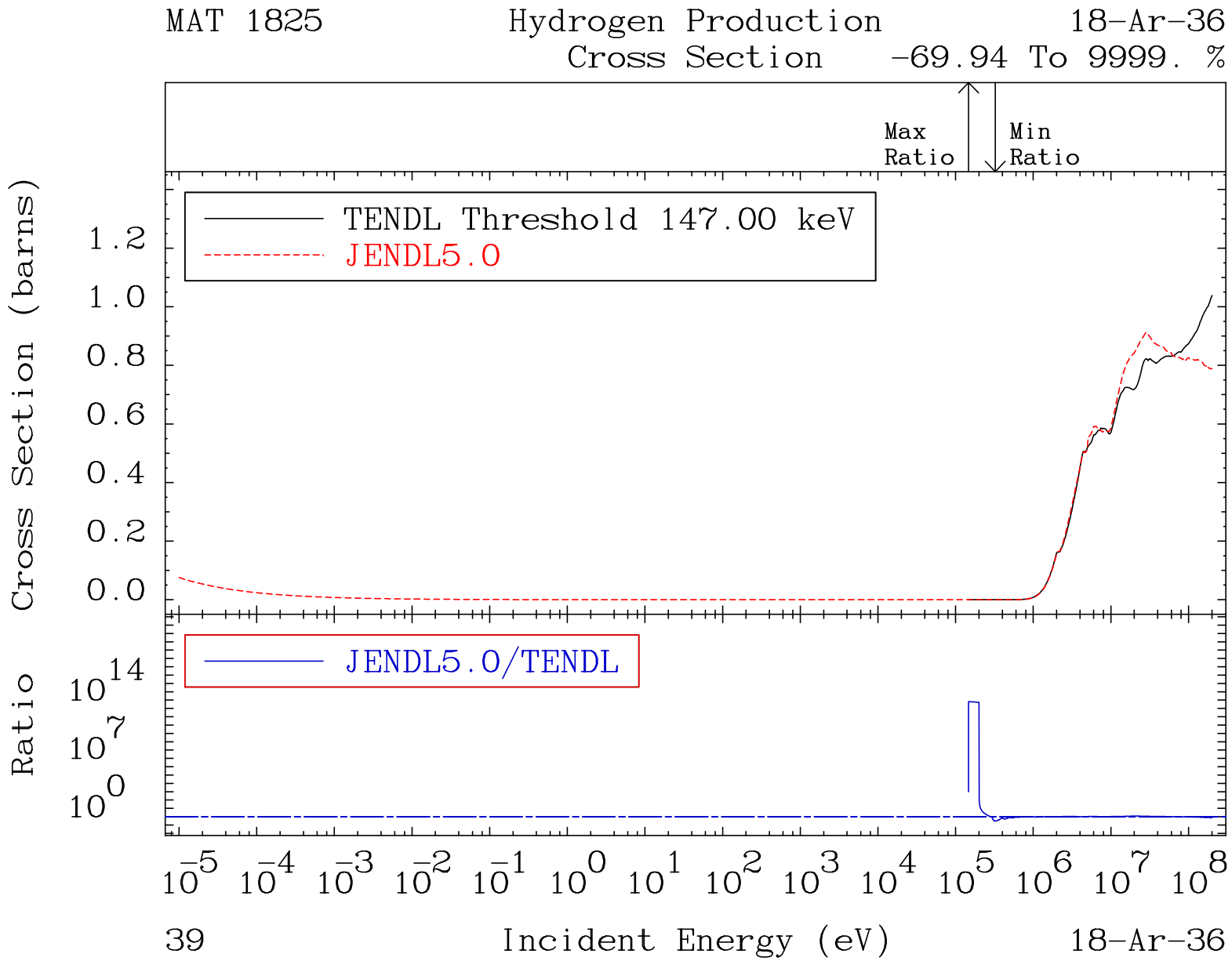

MAT 1825
(n,2p)
Cross Section
18-Ar-36
-100.0 To 2434. %
Max
Ratio
TENDL Threshold 8.1133 MeV
JENDL5.0 Threshold 8.1133 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
20
0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
18-Ar-36

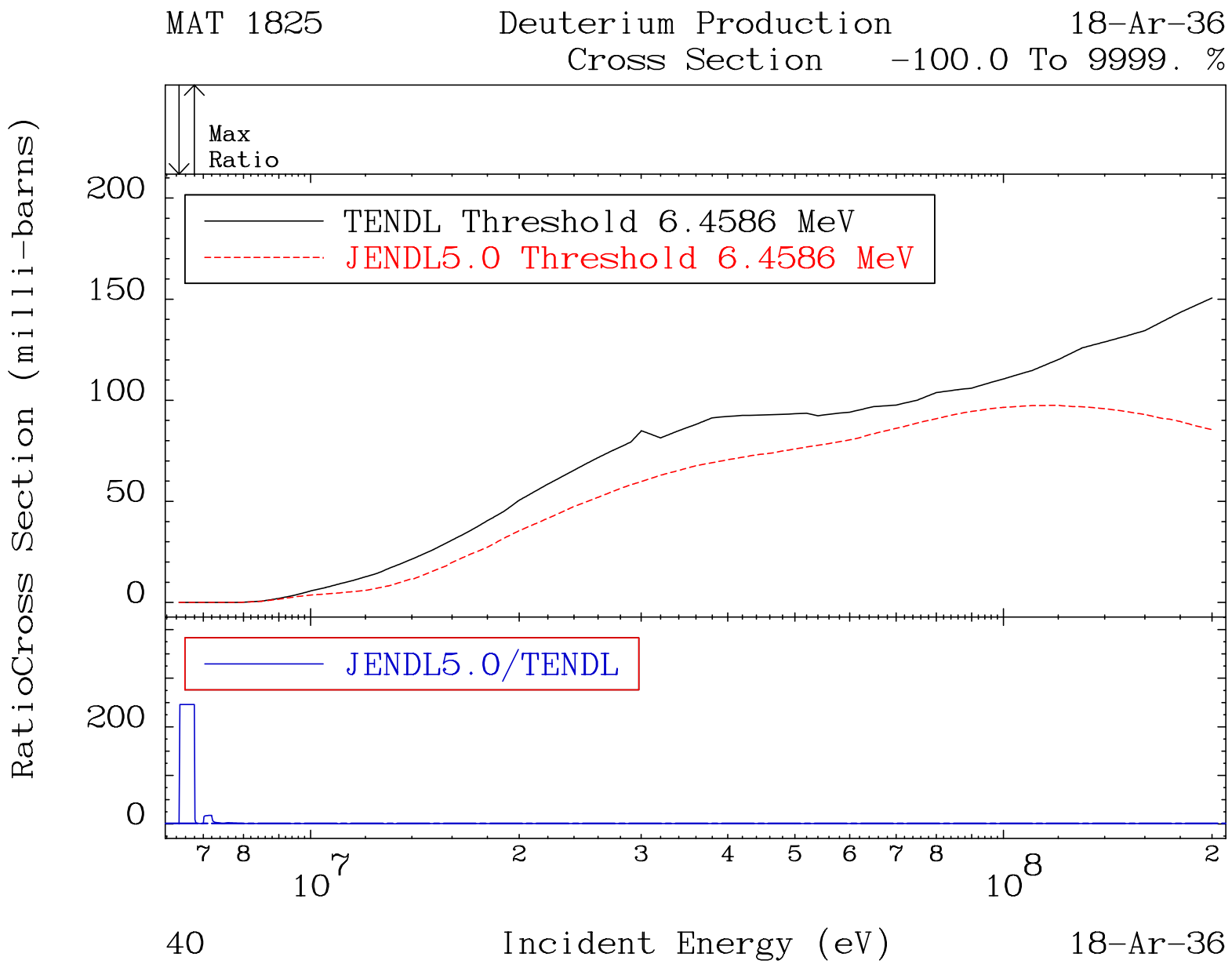

MAT 1825
(n,p) α
Cross Section
18-Ar-36
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.7815 MeV
JENDL5.0 Threshold 7.8125 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
600
400
200
0
8
10^7
2
3
4
5
6
7
8
10^8
2
35
Incident Energy (eV)
18-Ar-36

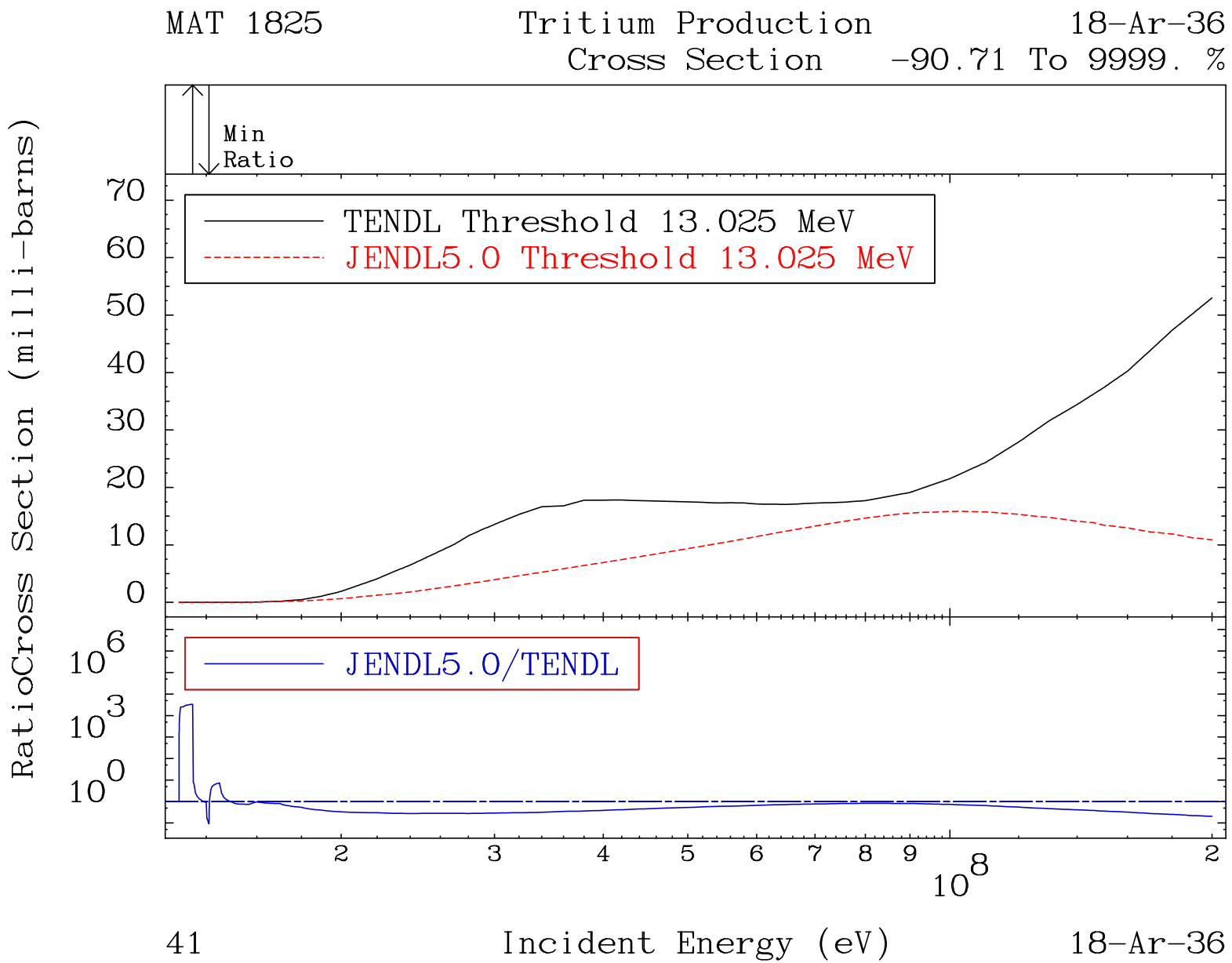

MAT 1825
(n,p) d
Cross Section
18-Ar-36
-100.0 To 9666. %
Max Ratio
Min Ratio
TENDL Threshold 13.008 MeV
JENDL5.0 Threshold 13.008 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
120
60
0
2
3
4
5
6
7
8
9
2
10^8
36
Incident Energy (eV)
18-Ar-36

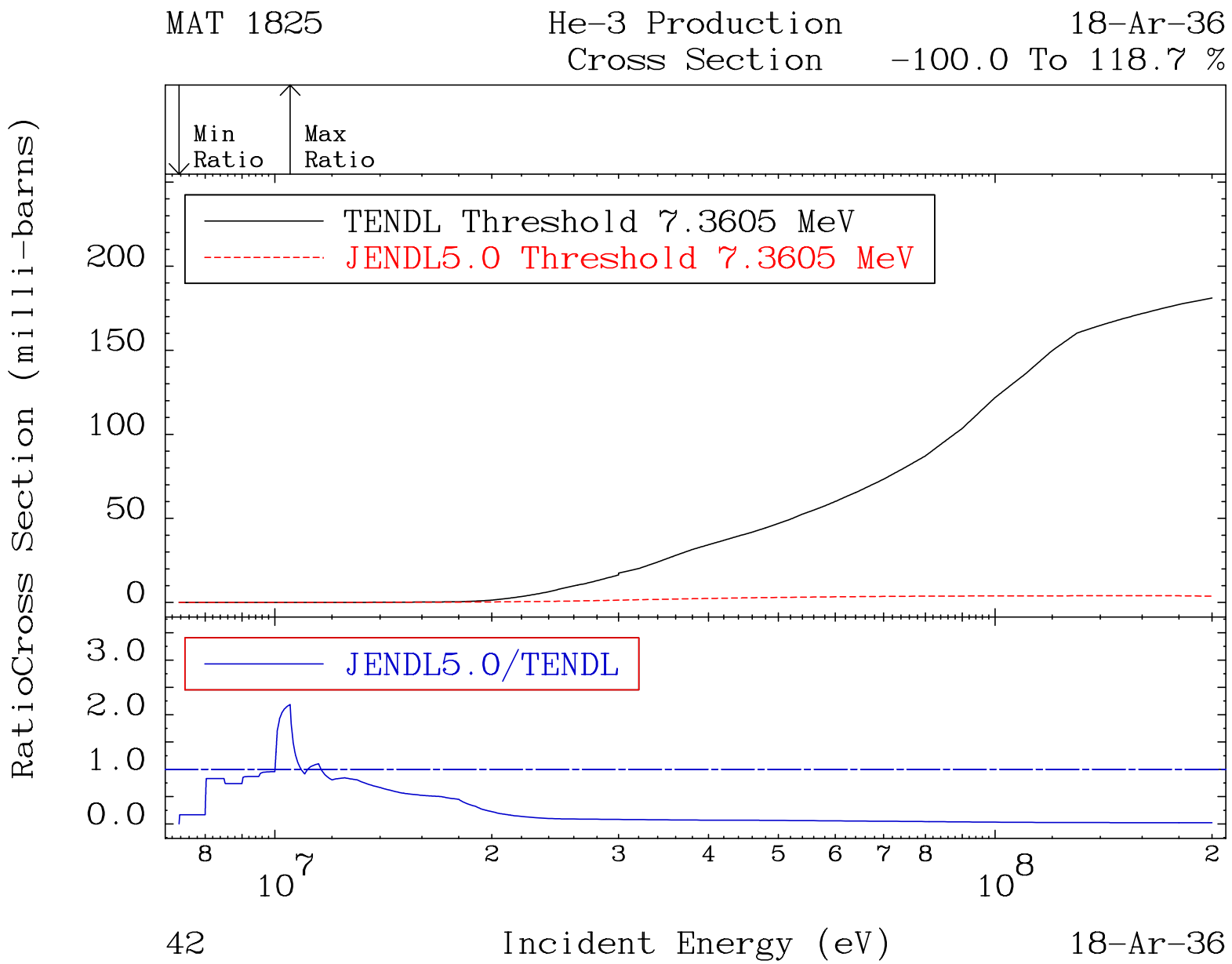

MAT 1825
(n,p) t
Cross Section
18-Ar-36
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 18.313 MeV
JENDL5.0 Threshold 18.313 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
37
Incident Energy (eV)
18-Ar-36

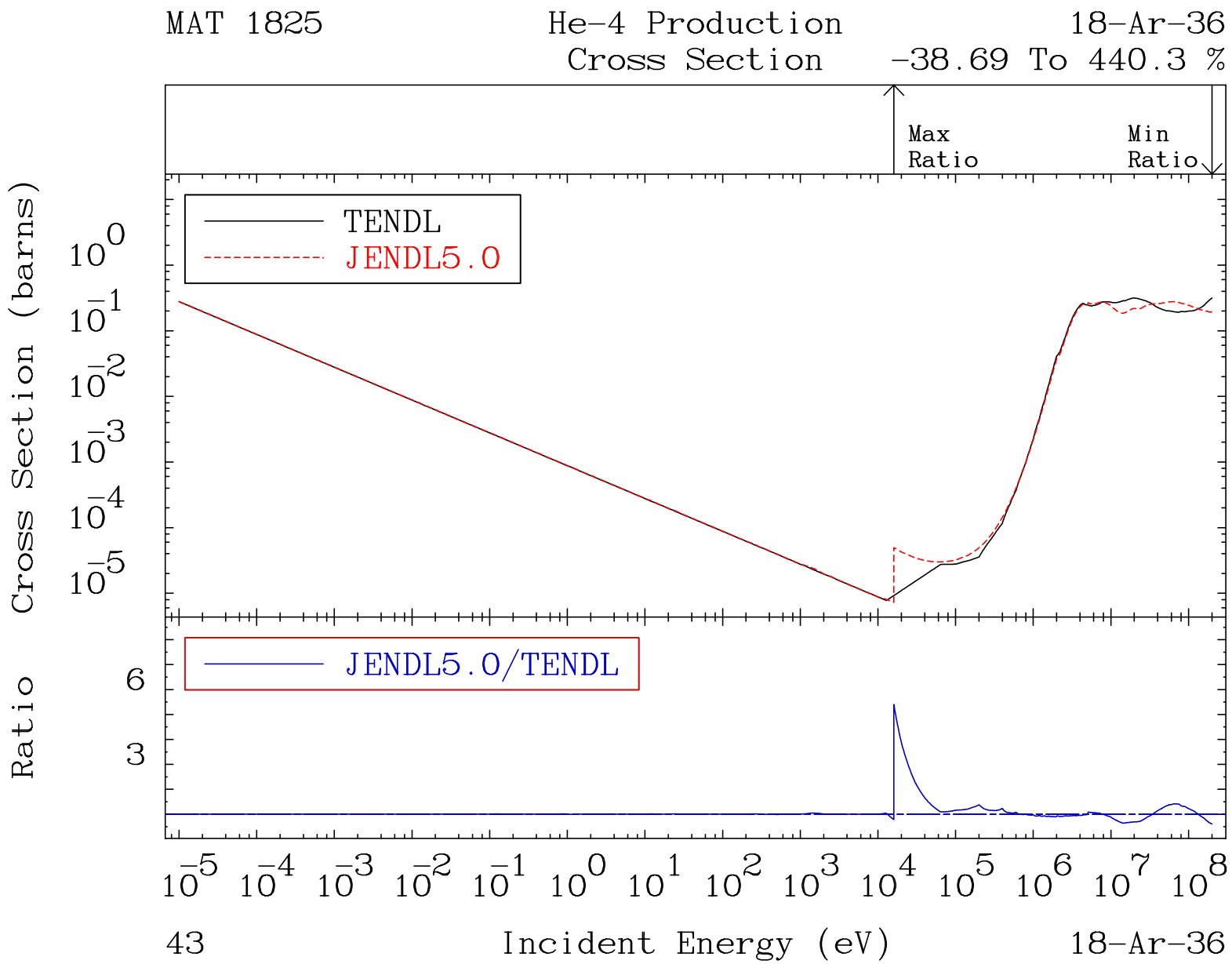

MAT 1825
(n,d) α
Cross Section
18-Ar-36
-100.0 To 727.2 %
Max Ratio
Min Ratio
TENDL Threshold 13.653 MeV
JENDL5.0 Threshold 13.675 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
38
18-Ar-36

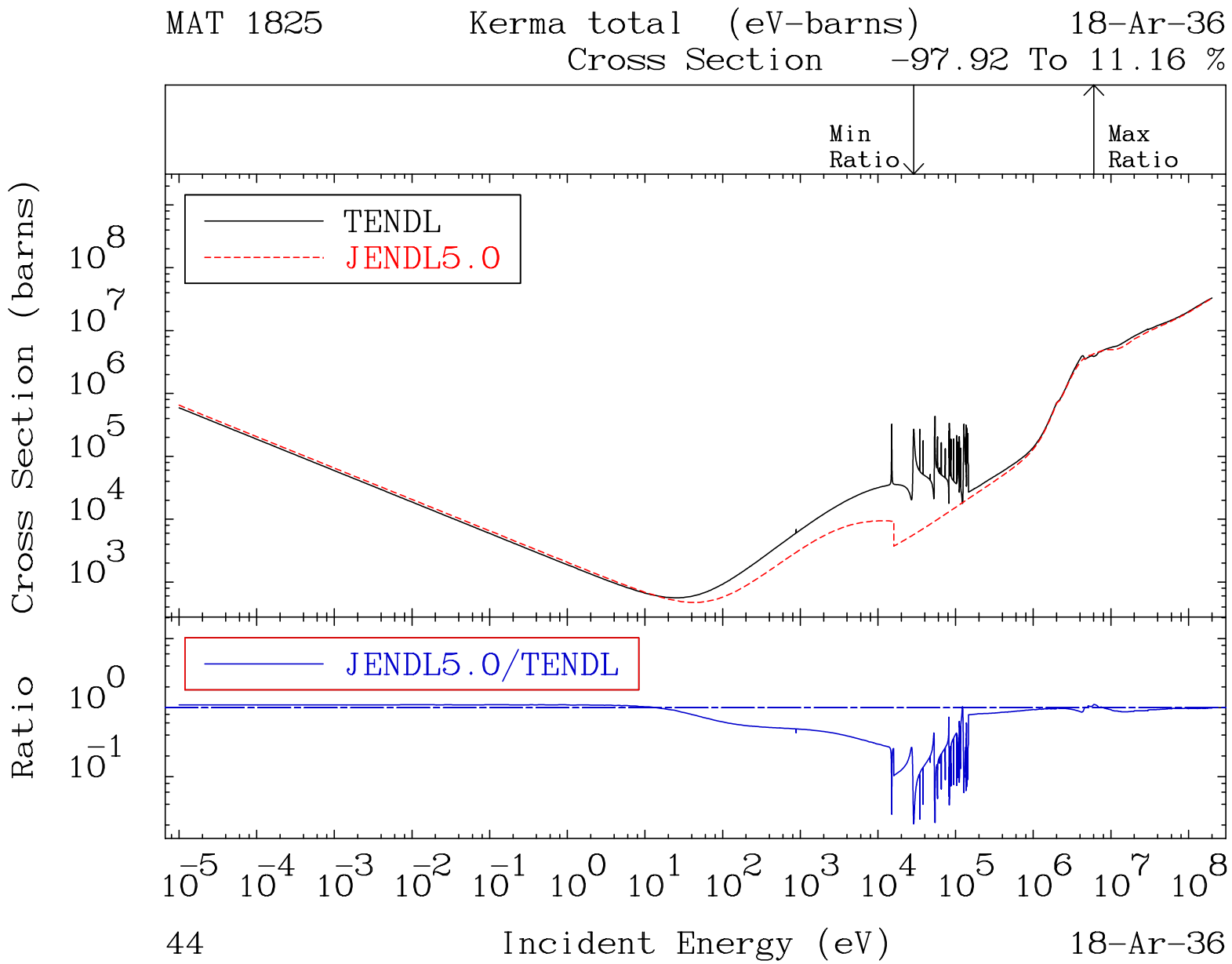

MAT 1825
Hydrogen Production
18-Ar-36
Cross Section
-69.94 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 147.00 keV
JENDL5.0
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
10^{14}
10^{7}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
39
Incident Energy (eV)
18-Ar-36

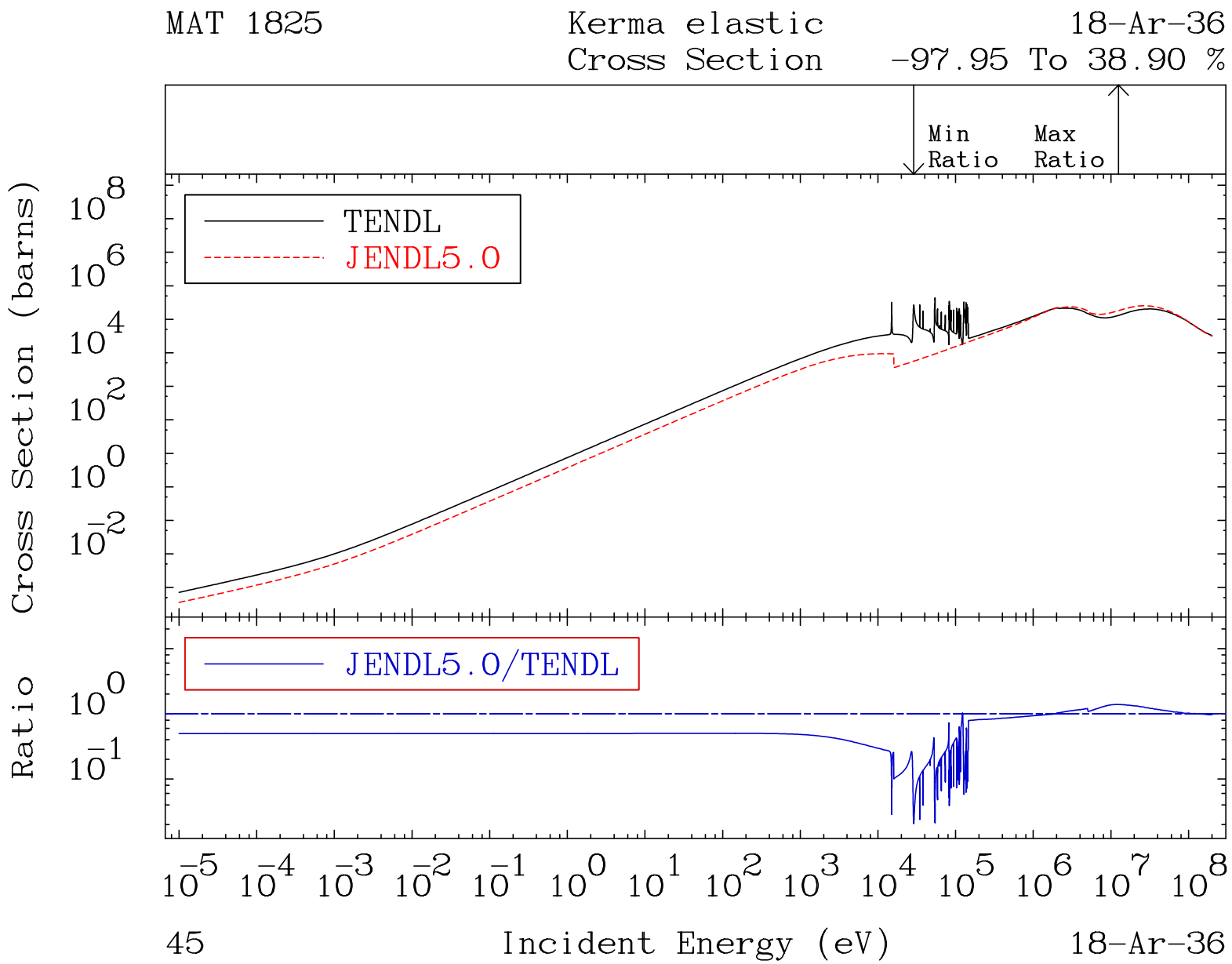

MAT 1825
Deuterium Production
18-Ar-36
Cross Section -100.0 To 9999. %
Max
Ratio
200
150
100
50
0
TENDL Threshold 6.4586 MeV
JENDL5.0 Threshold 6.4586 MeV
JENDL5.0/TENDL
200
0
RatioCross Section (milli-barns)
7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
18-Ar-36

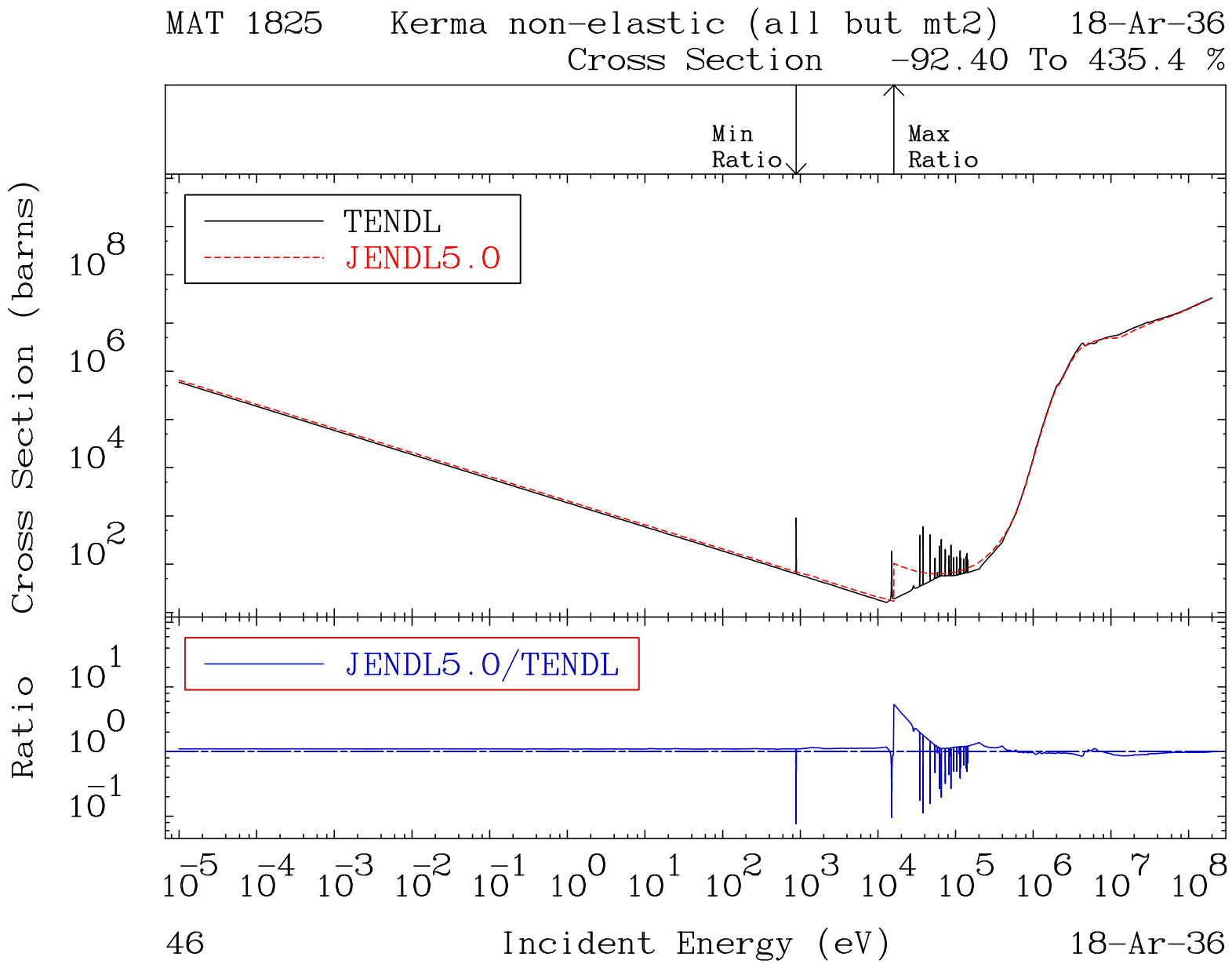

MAT 1825
Tritium Production
18-Ar-36
Cross Section
-90.71 To 9999. %
Min
Ratio
TENDL Threshold 13.025 MeV
JENDL5.0 Threshold 13.025 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
10^6
10^3
10^0
2
3
4
5
6
7
8
9
10^8
2
41
Incident Energy (eV)
18-Ar-36

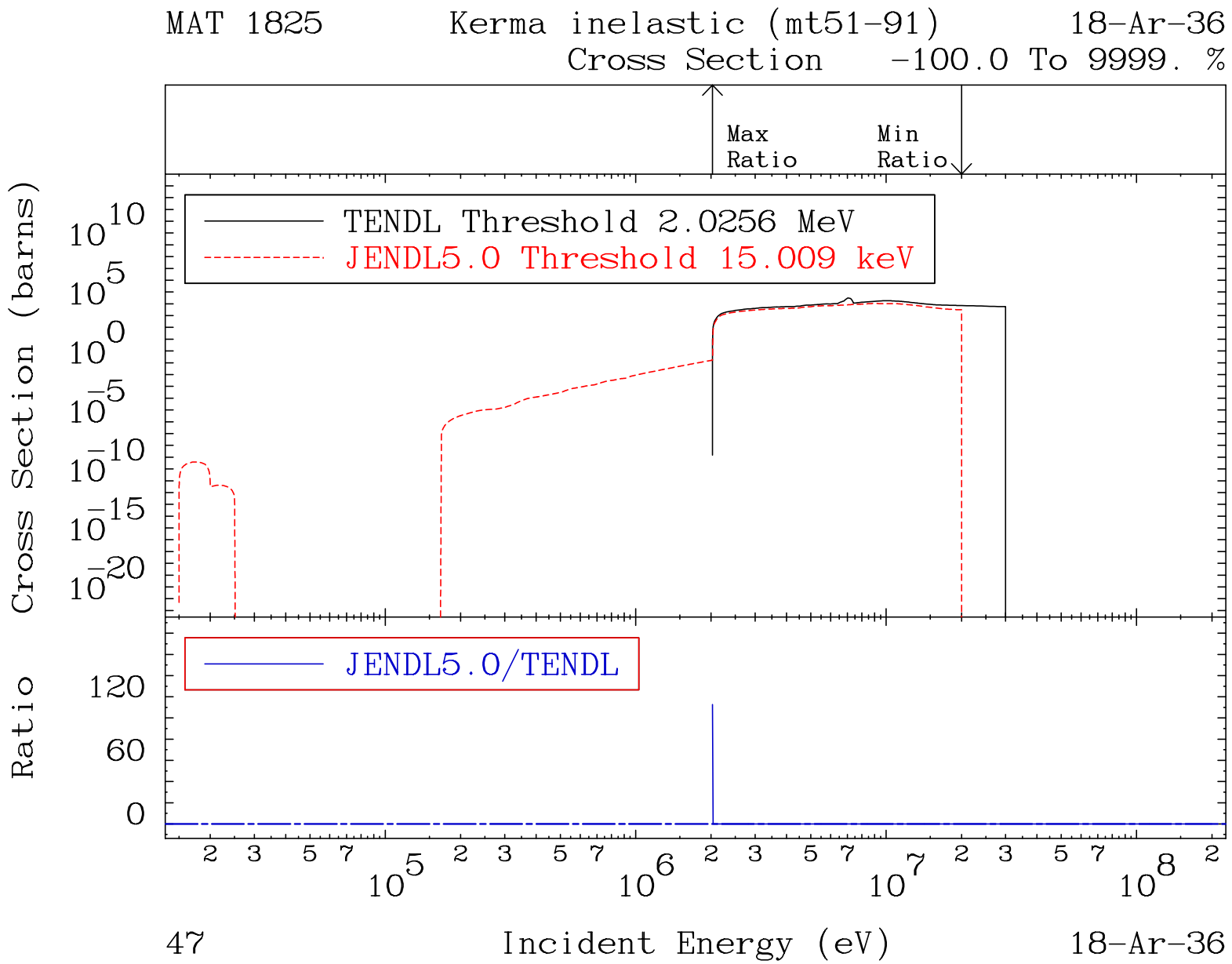

MAT 1825
He-3 Production
Cross Section
18-Ar-36
-100.0 To 118.7 %
Min Ratio
Max Ratio
TENDL Threshold 7.3605 MeV
JENDL5.0 Threshold 7.3605 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
3.0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
42
Incident Energy (eV)
18-Ar-36

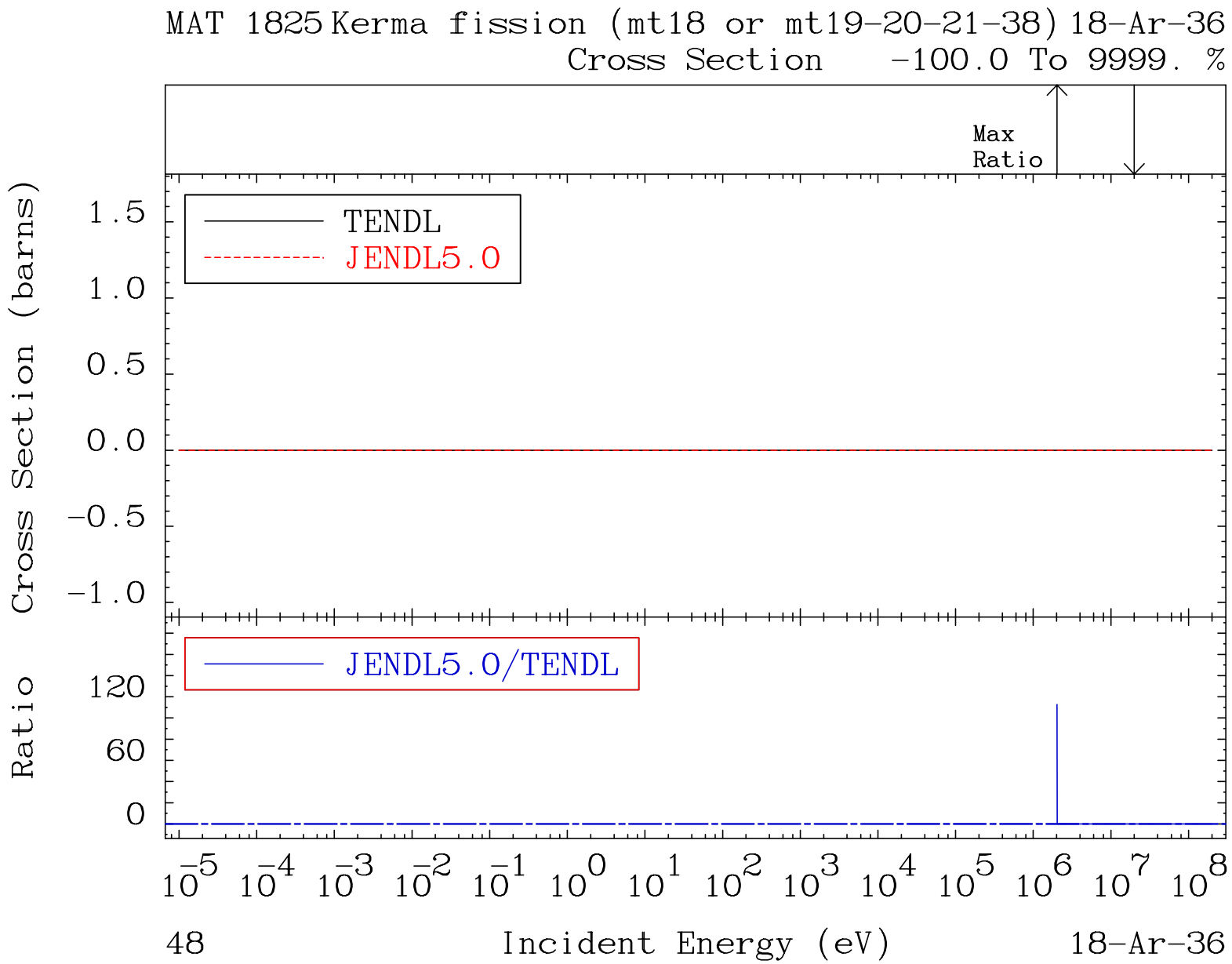

MAT 1825
He-4 Production
Cross Section
18-Ar-36
-38.69 To 440.3 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
43
18-Ar-36

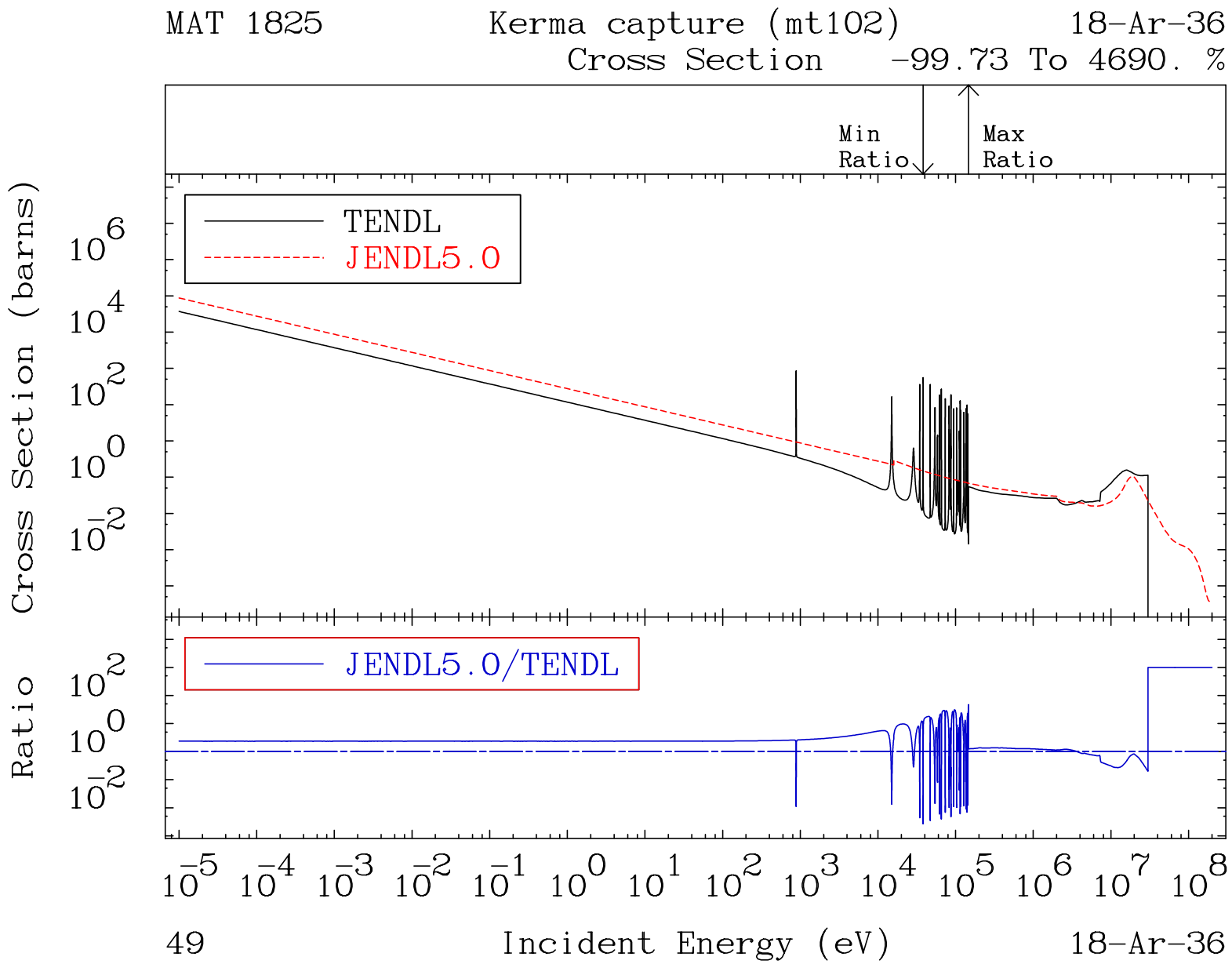

MAT 1825
Kerma total (eV-barns)
18-Ar-36
Cross Section -97.92 To 11.16 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
44
18-Ar-36

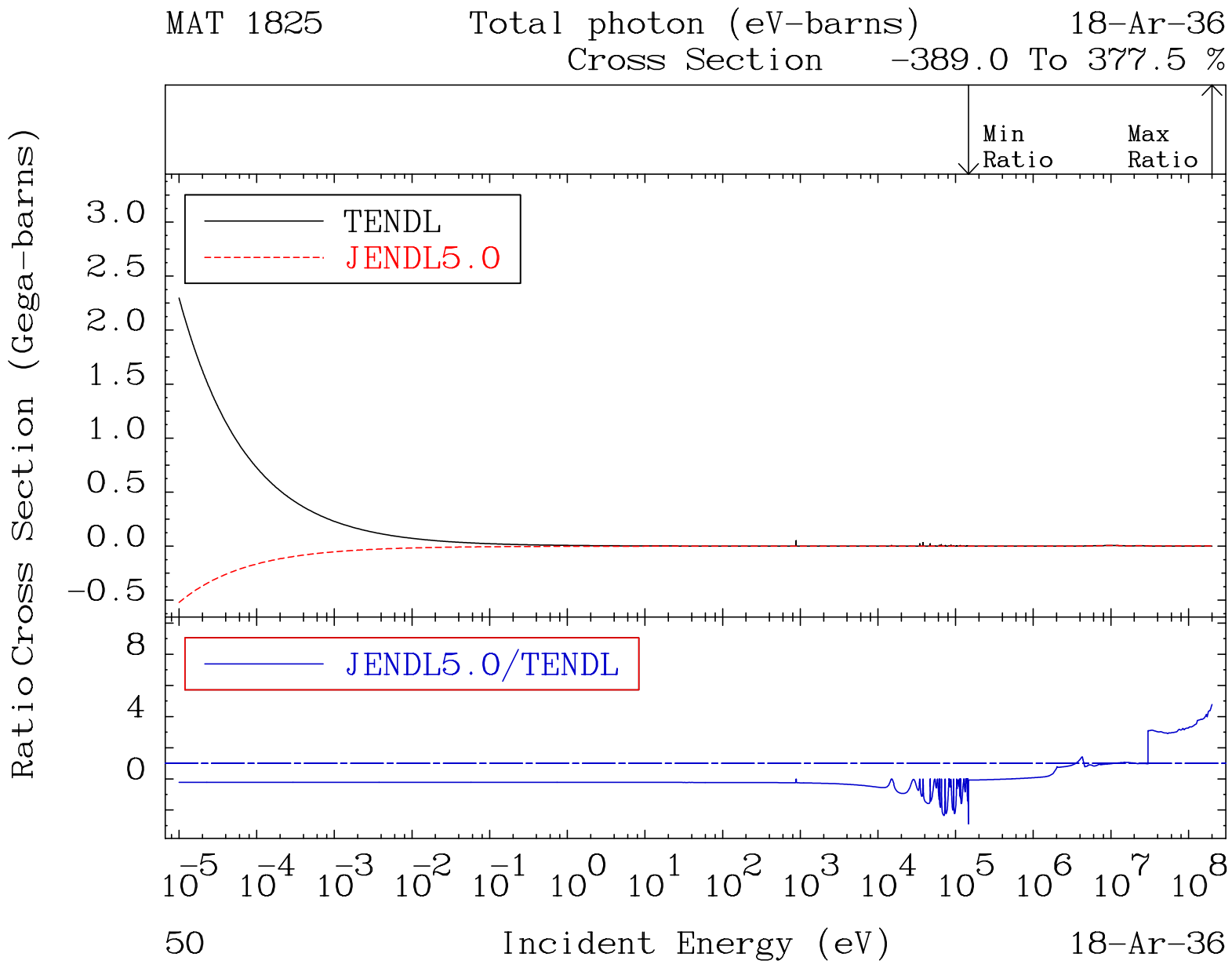

MAT 1825
Kerma elastic
Cross Section
18-Ar-36
-97.95 To 38.90 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
45
18-Ar-36

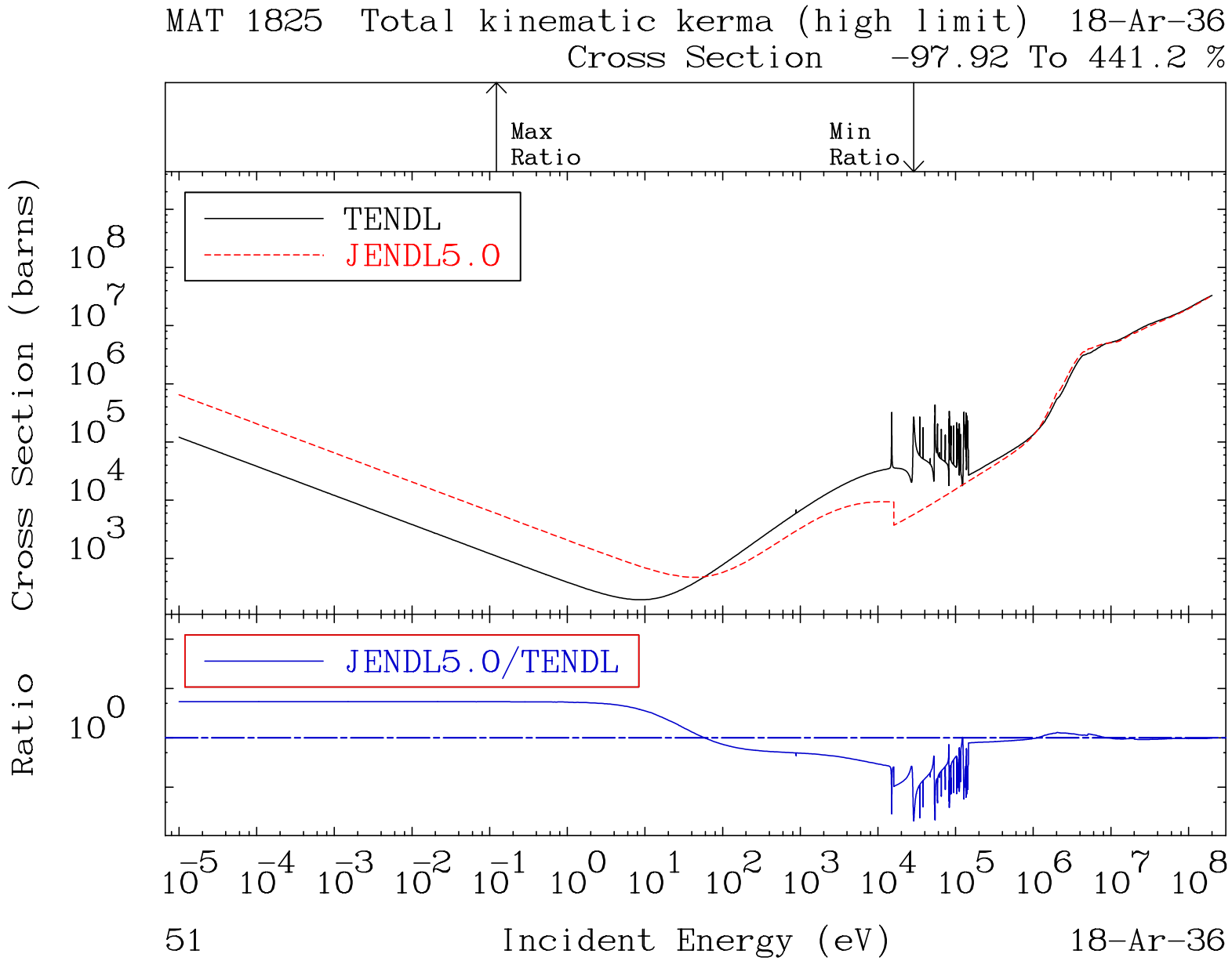

MAT 1825 Kerma non-elastic (all but mt2) 18-Ar-36
Cross Section -92.40 To 435.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
46
18-Ar-36

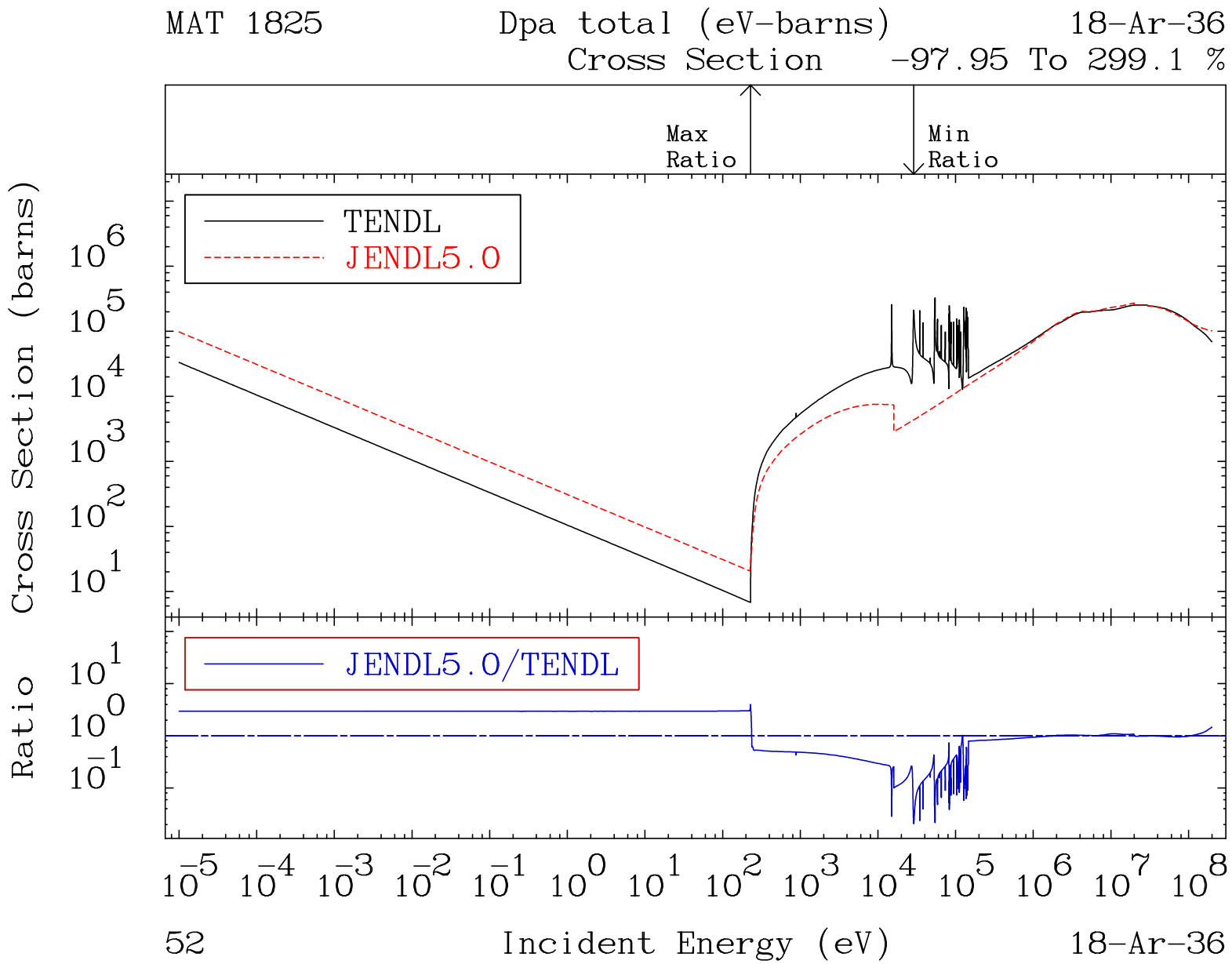

MAT 1825
Kerma inelastic (mt51-91)
18-Ar-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.0256 MeV
JENDL5.0 Threshold 15.009 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
47
18-Ar-36

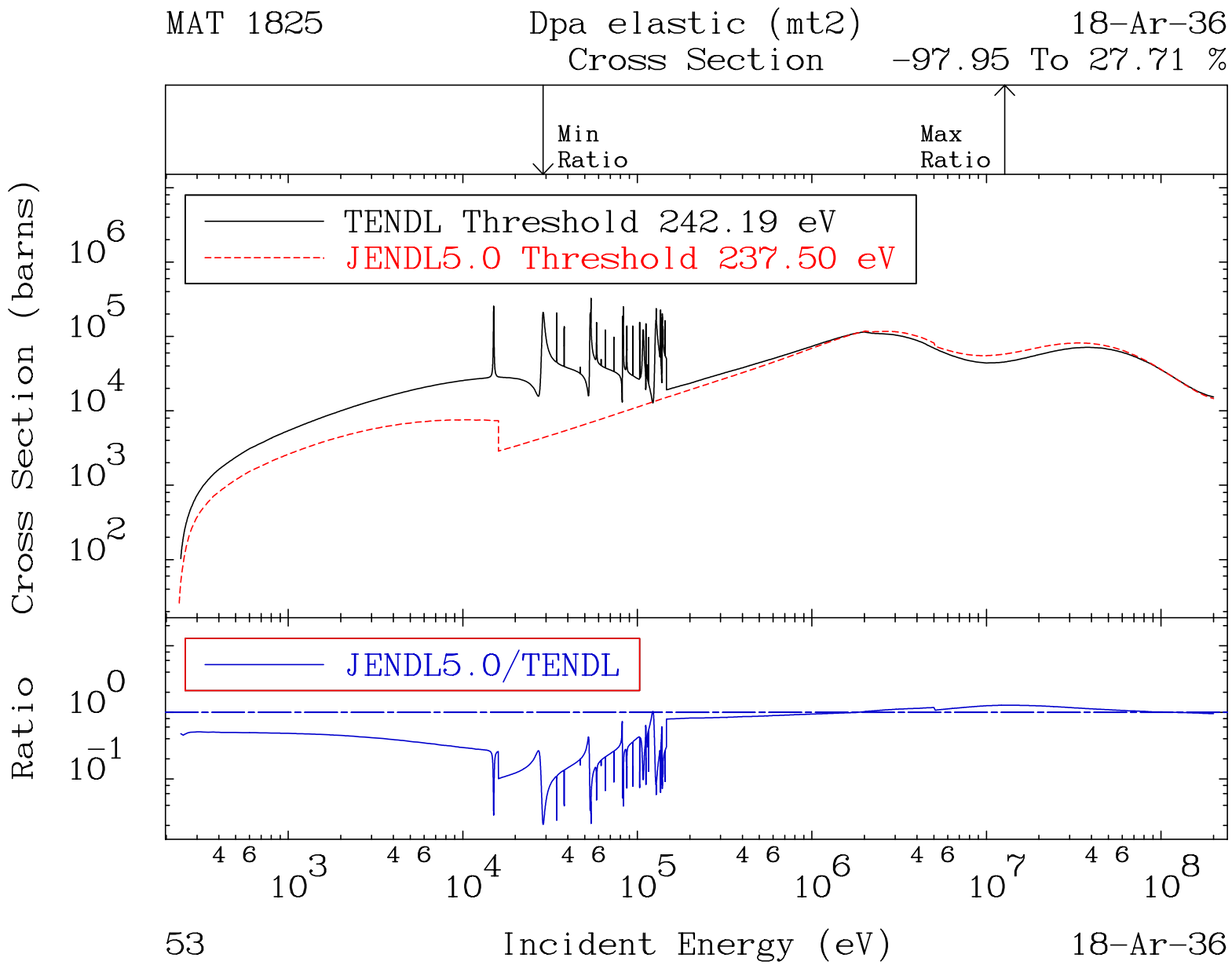

MAT 1825 Kerma fission (mt18 or mt19-20-21-38) 18-Ar-36
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
120
60
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
48
Incident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

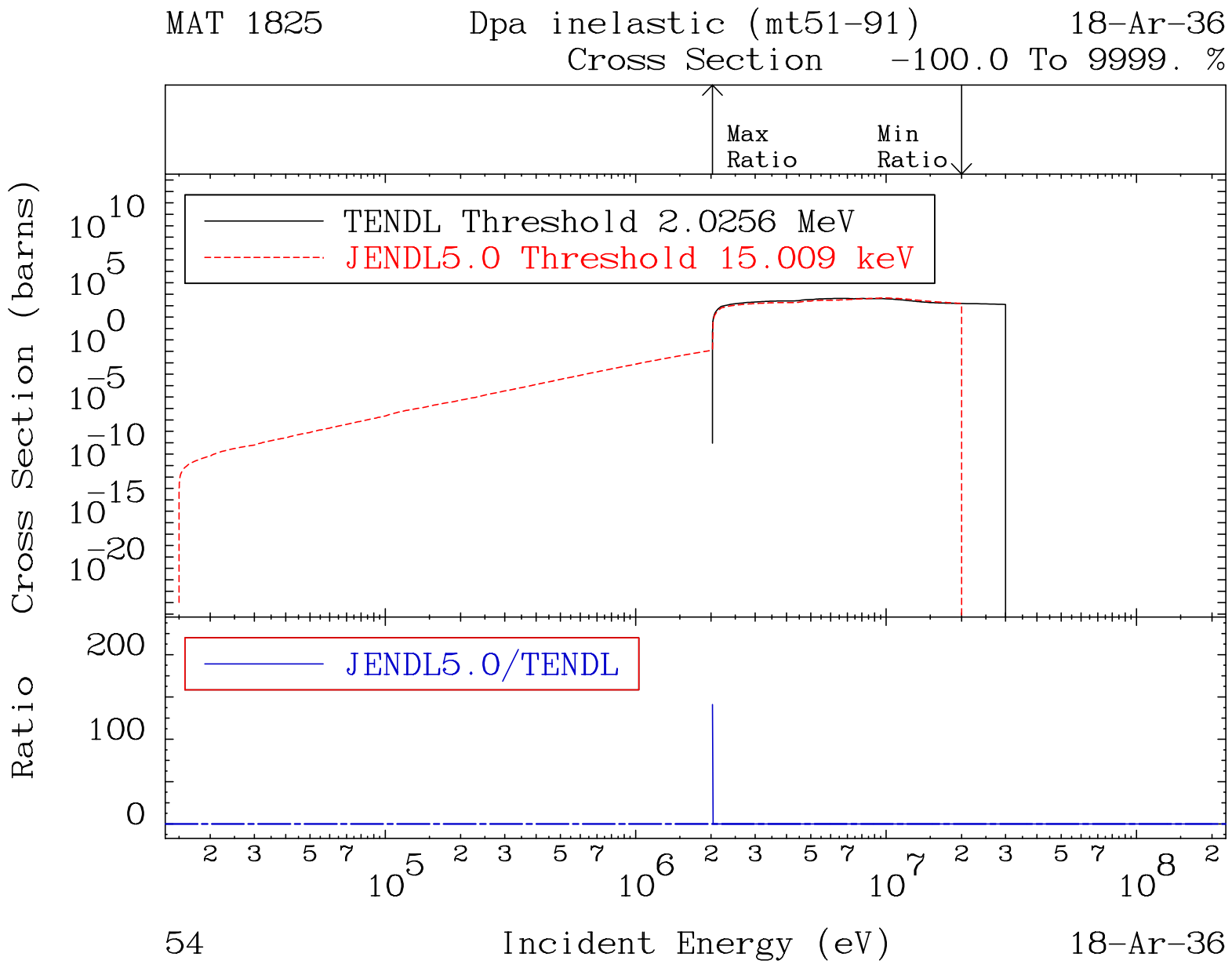

MAT 1825
Kerma capture (mt102)
18-Ar-36
Cross Section -99.73 To 4690. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
49
18-Ar-36

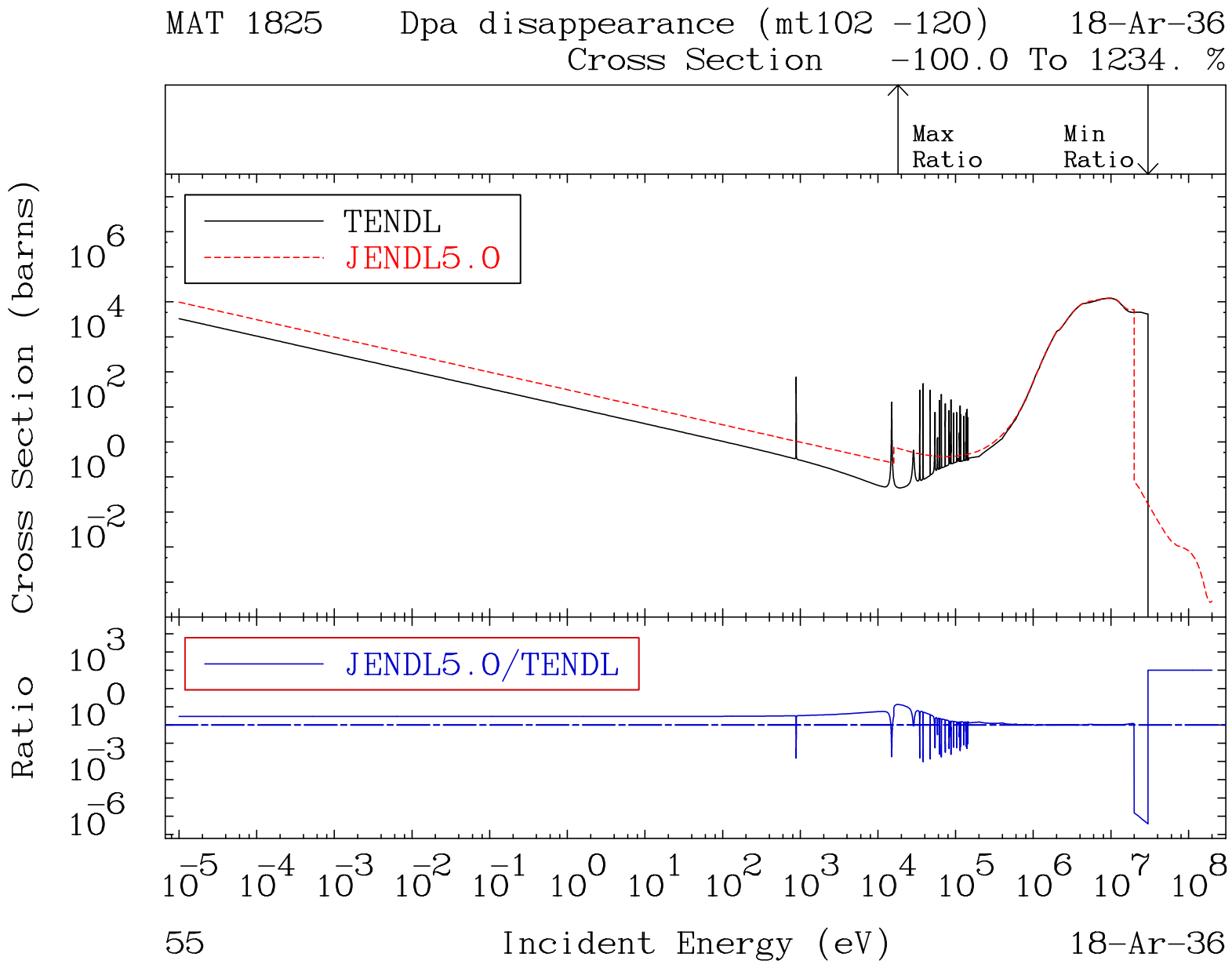

MAT 1825
Total photon (eV-barns)
18-Ar-36
Cross Section -389.0 To 377.5 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Giga-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
-0.5
8
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
50
Incident Energy (eV)
18-Ar-36

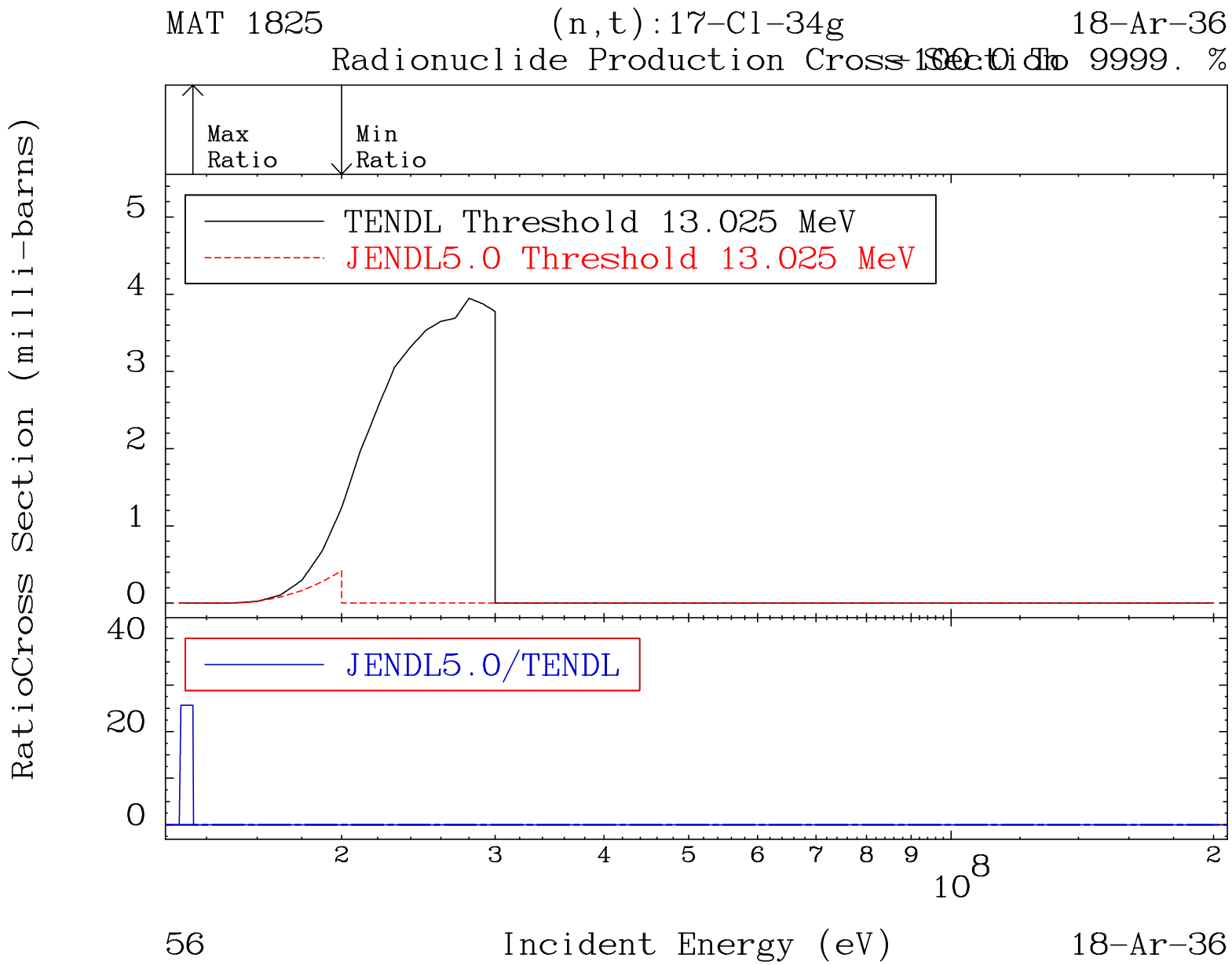

MAT 1825 Total kinematic kerma (high limit) 18-Ar-36
Cross Section -97.92 To 441.2 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
18-Ar-36

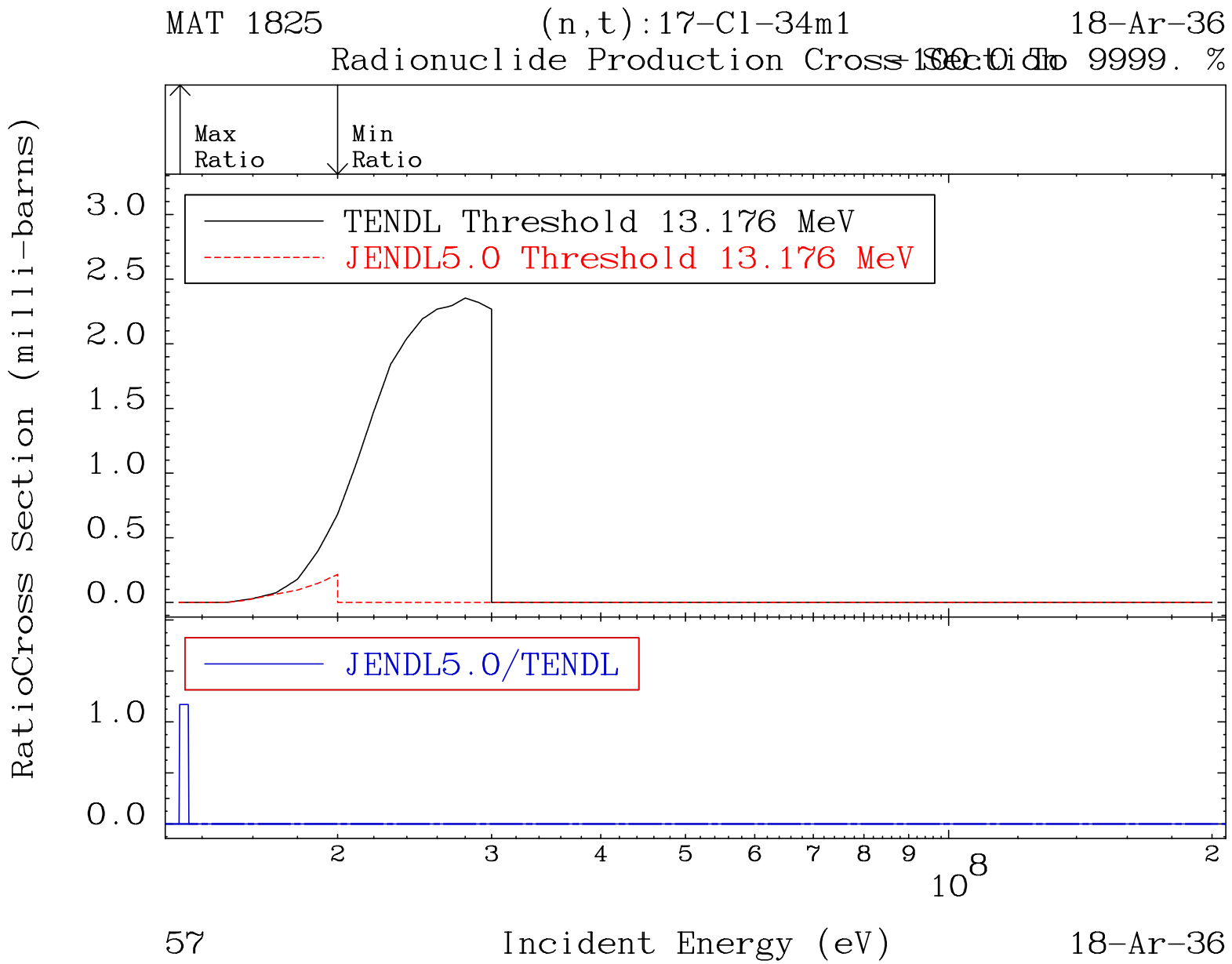

MAT 1825
Dpa total (eV-barns)
18-Ar-36
Cross Section -97.95 To 299.1 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
18-Ar-36

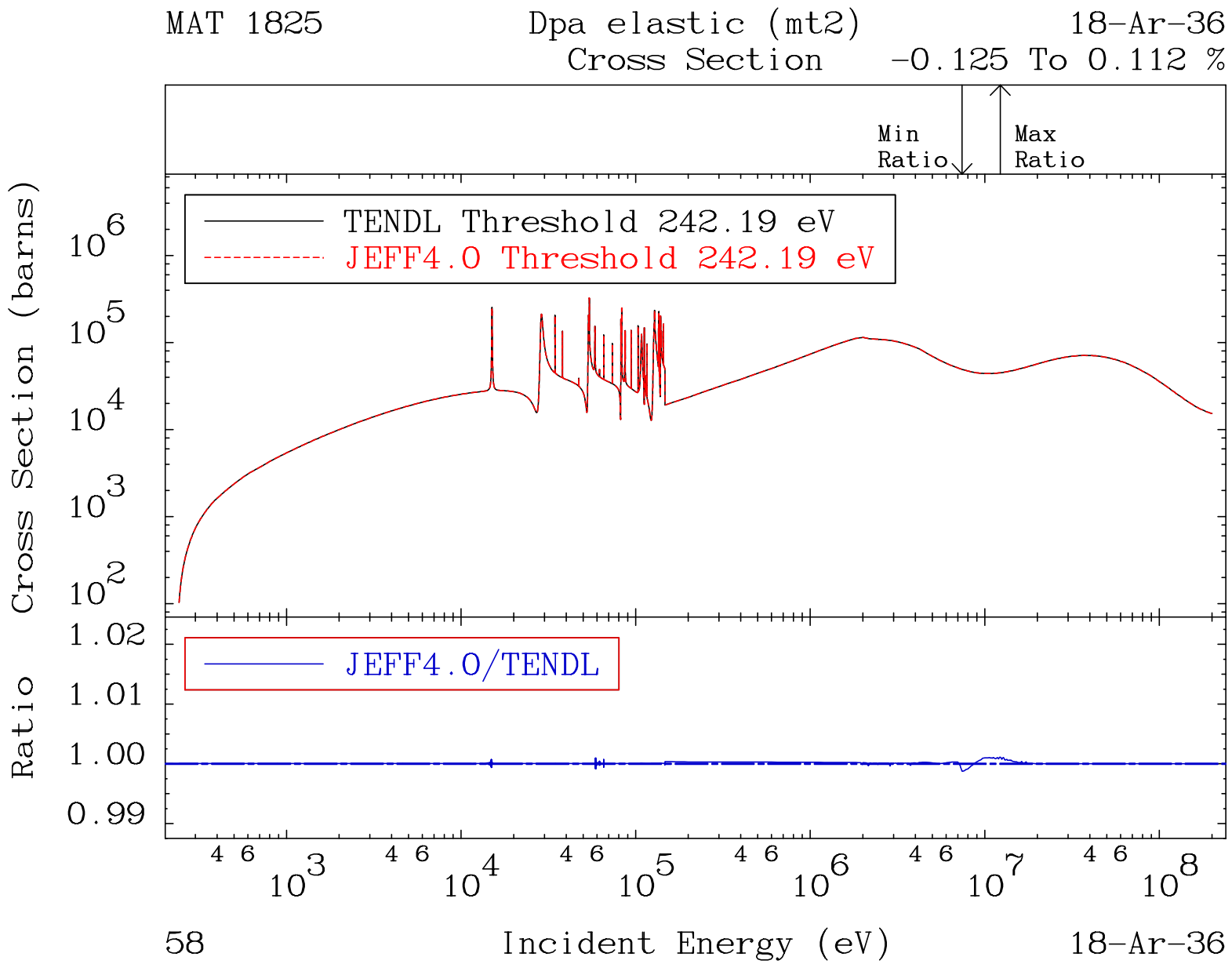

MAT 1825
Dpa elastic (mt2)
Cross Section
18-Ar-36
-97.95 To 27.71 %
Min
Ratio
Max
Ratio
TENDL Threshold 242.19 eV
JENDL5.0 Threshold 237.50 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
18-Ar-36

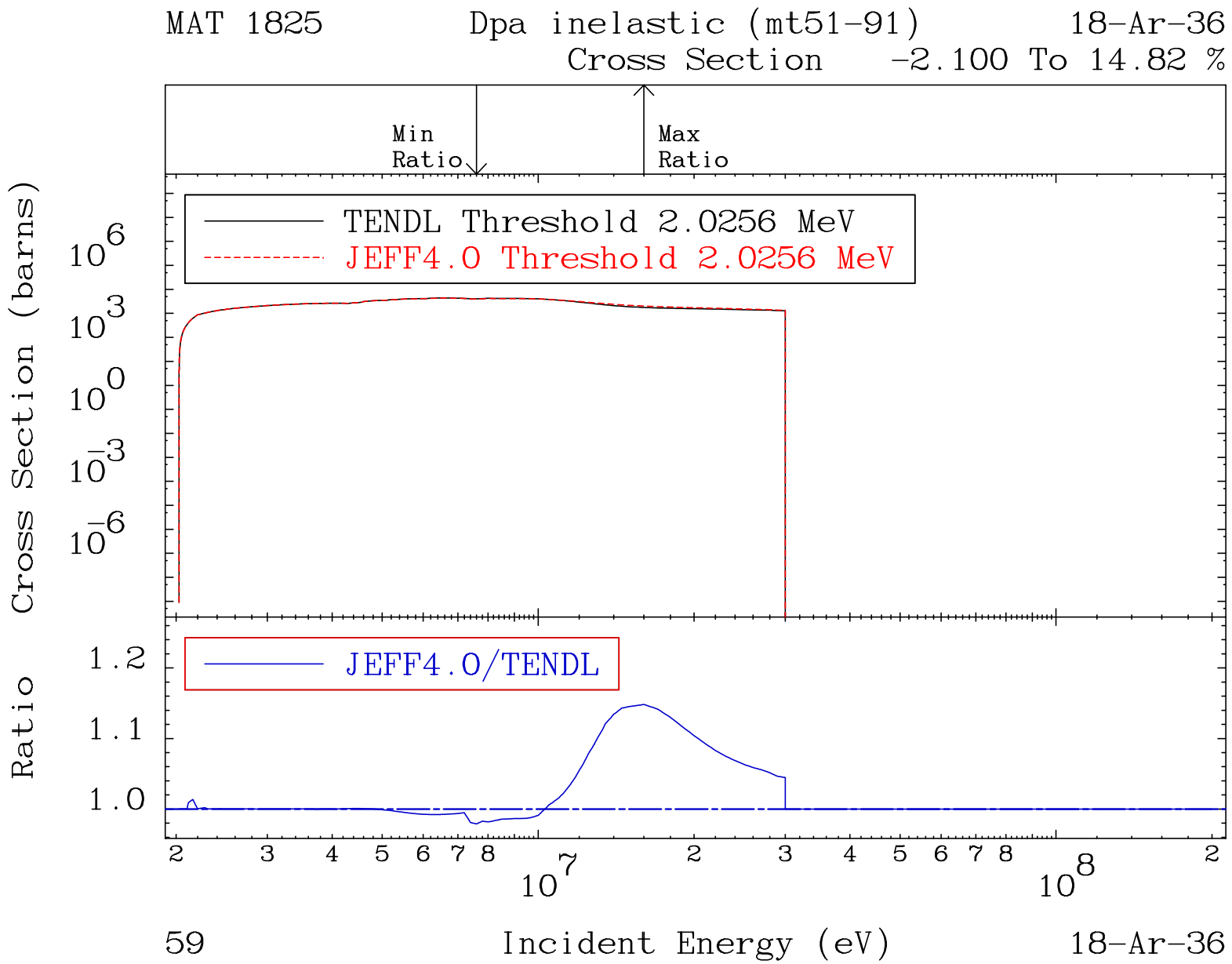

MAT 1825
Dpa inelastic (mt51-91)
18-Ar-36
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.0256 MeV
JENDL5.0 Threshold 15.009 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
18-Ar-36

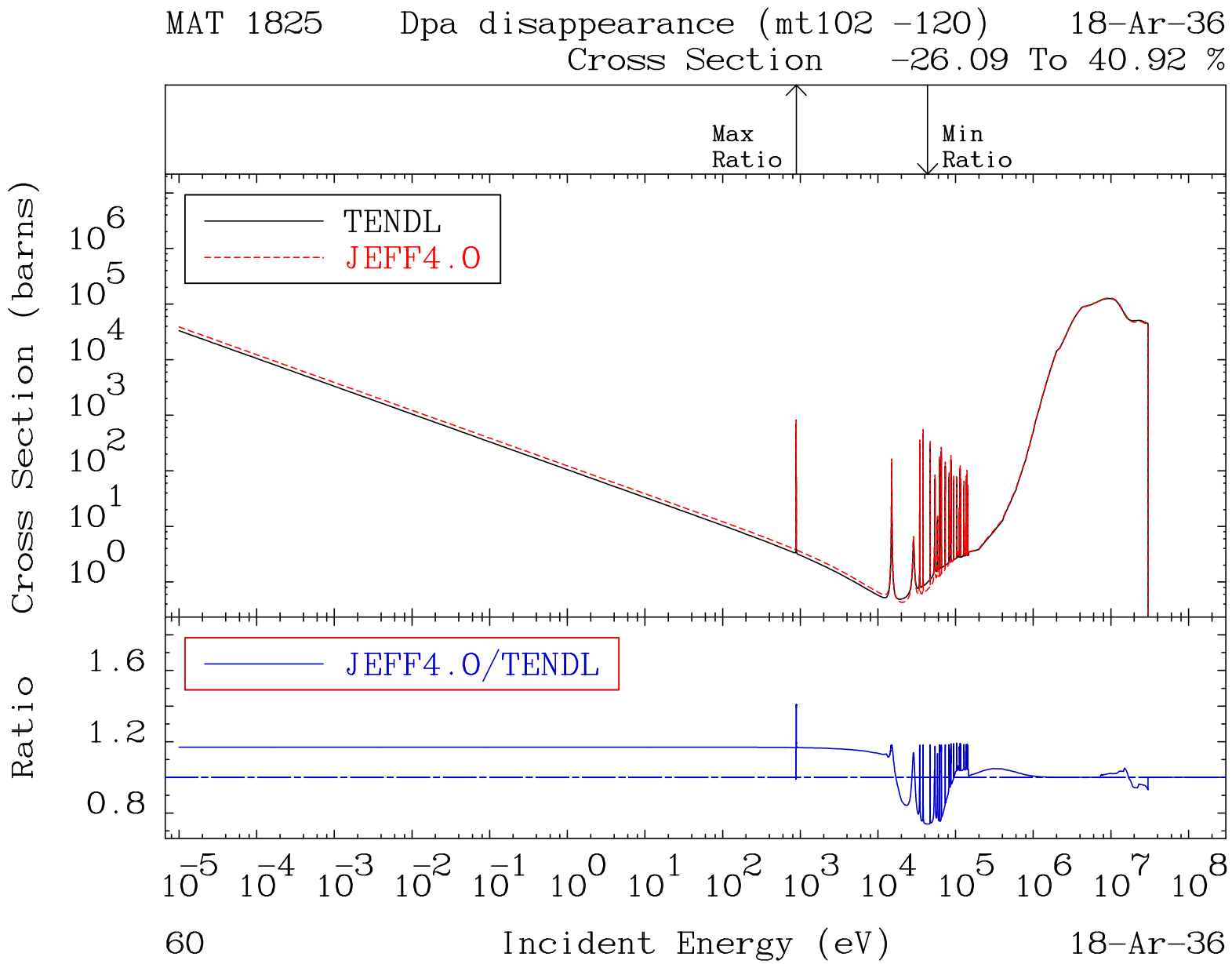

MAT 1825 Dpa disappearance (mt102 -120) 18-Ar-36
Cross Section -100.0 To 1234. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
18-Ar-36

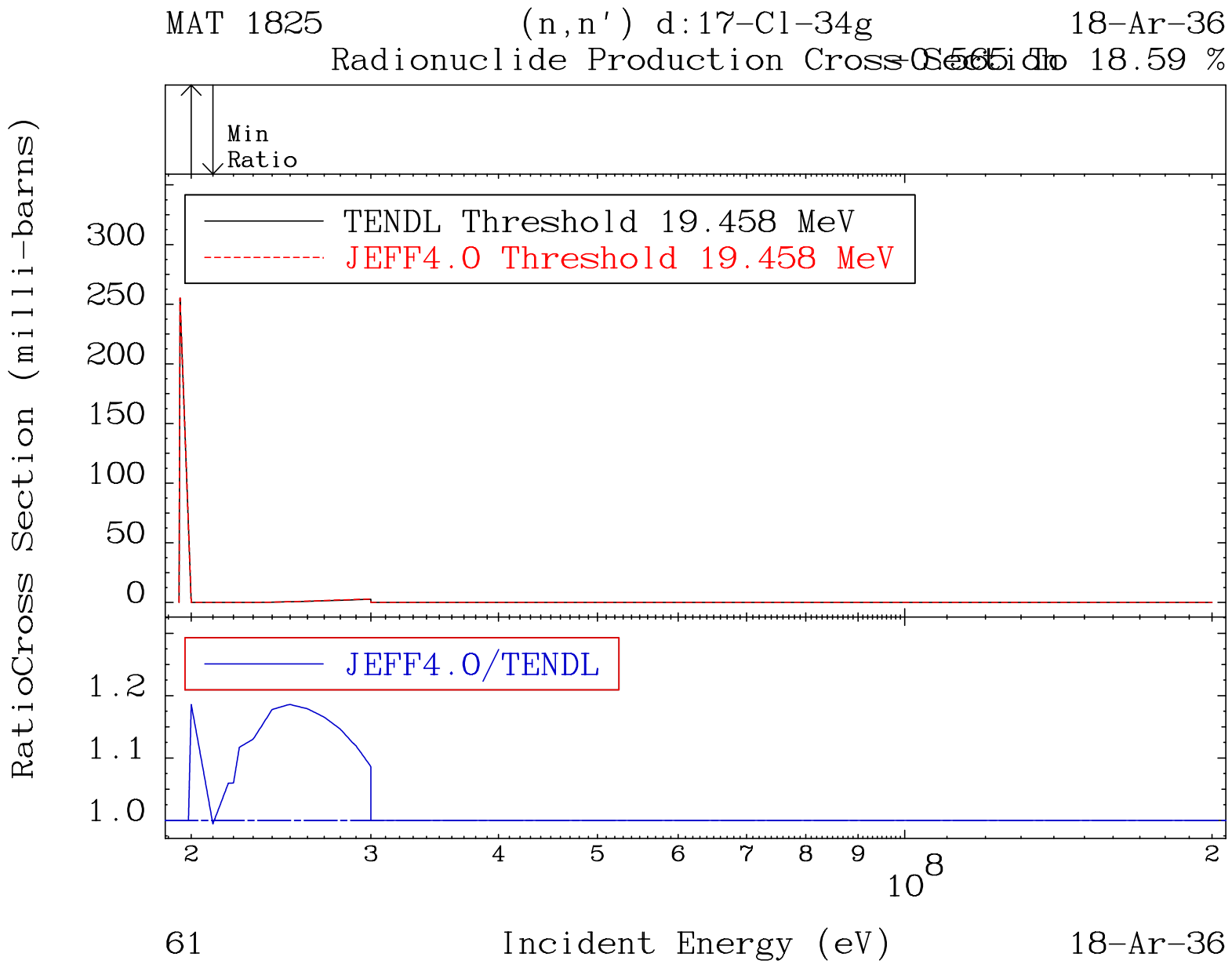

MAT 1825
(n,t):17-Cl-34g
18-Ar-36
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.025 MeV
JENDL5.0 Threshold 13.025 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
56
18-Ar-36

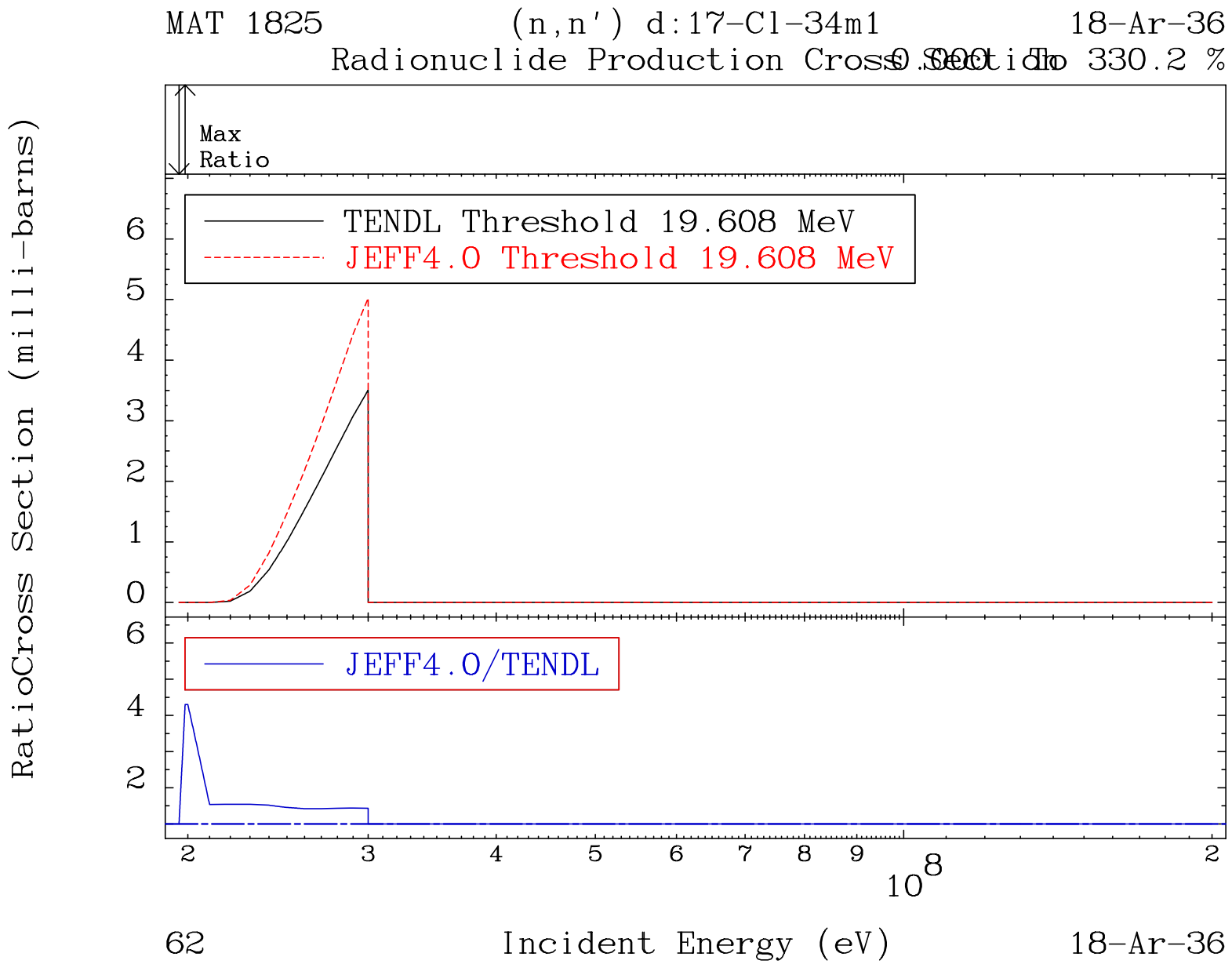

MAT 1825
(n,t):17-Cl-34m1
18-Ar-36
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 13.176 MeV
JENDL5.0 Threshold 13.176 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
57
Incident Energy (eV)
18-Ar-36

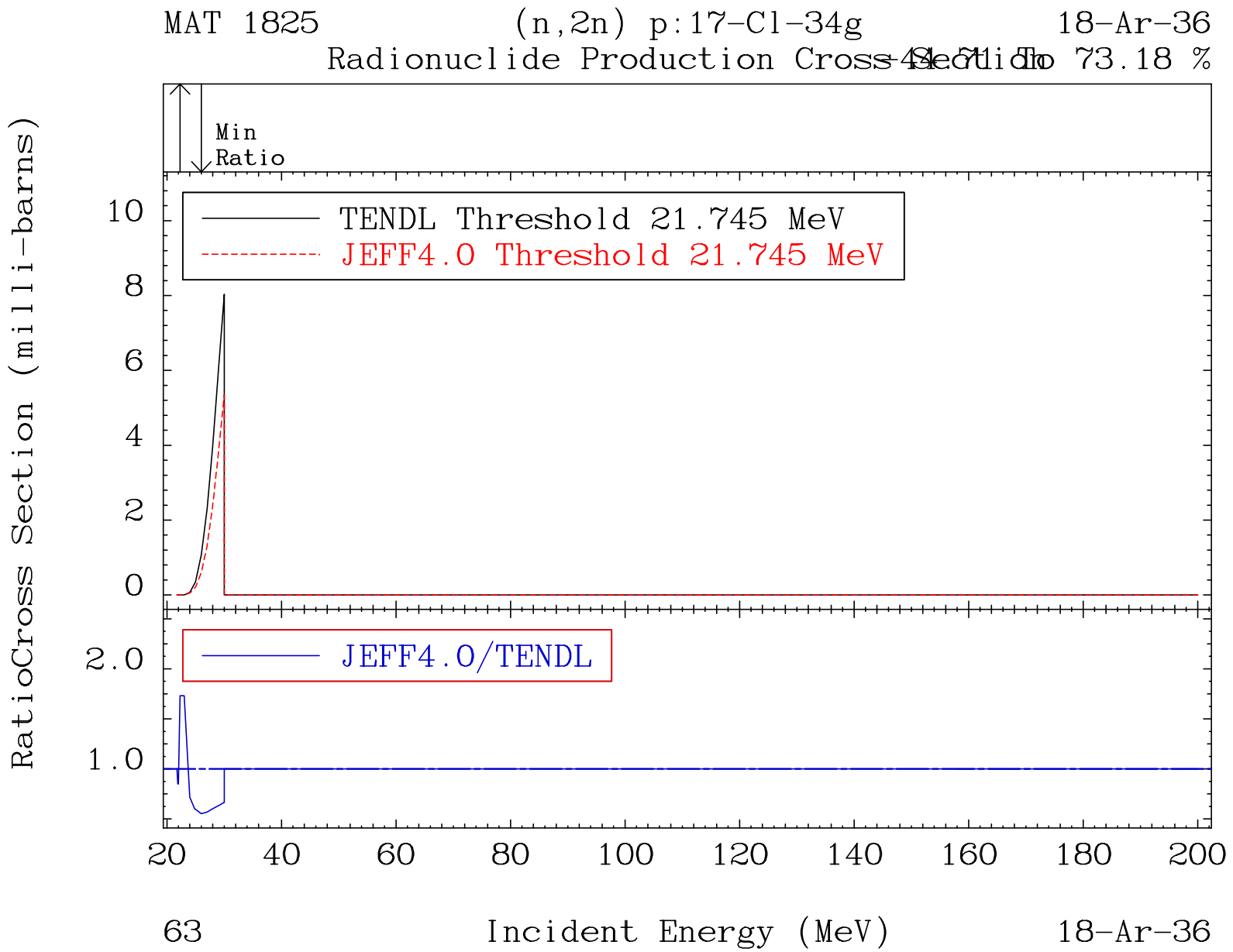

MAT 1825
Dpa elastic (mt2)
Cross Section
18-Ar-36
-0.125 To 0.112 %
Min Ratio
Max Ratio
TENDL Threshold 242.19 eV
JEFF4.0 Threshold 242.19 eV
JEFF4.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
18-Ar-36

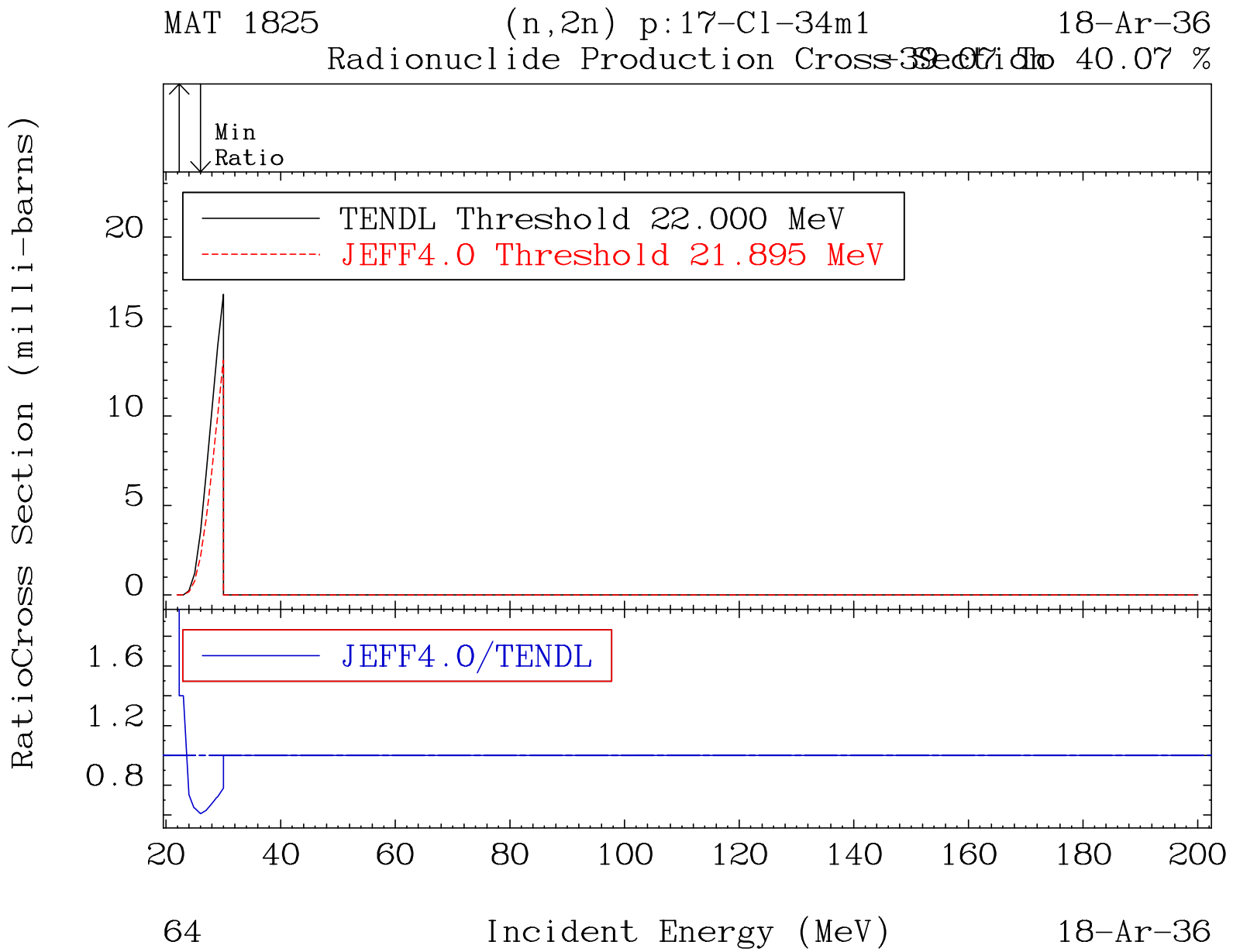

MAT 1825
Dpa inelastic (mt51-91)
18-Ar-36
Cross Section -2.100 To 14.82 %
Min Ratio
Max Ratio
TENDL Threshold 2.0256 MeV
JEFF4.0 Threshold 2.0256 MeV
Cross Section (barns)
JEFF4.0/TENDL
Ratio
Incident Energy (eV)
59
18-Ar-36

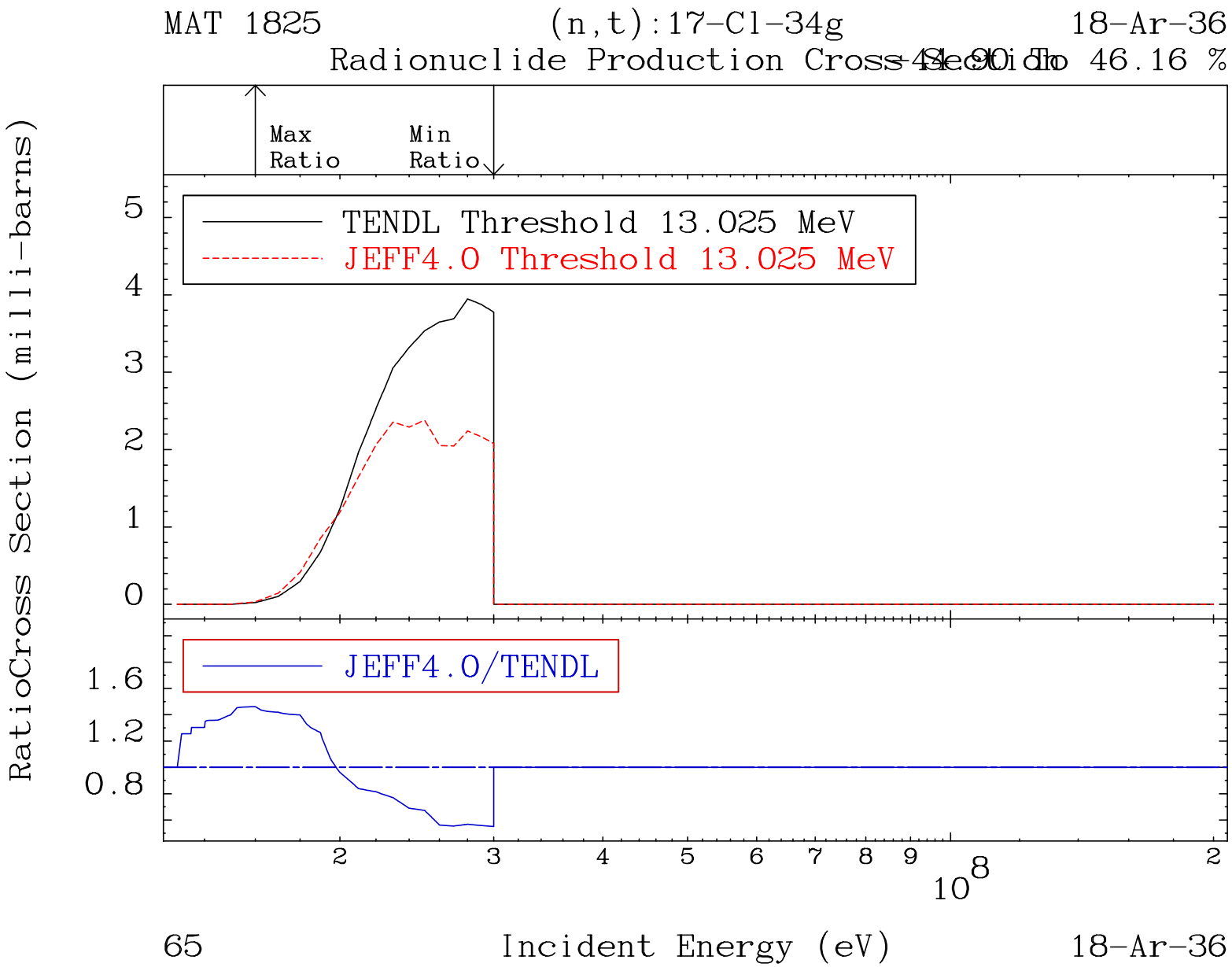

MAT 1825 Dpa disappearance (mt102 -120) 18-Ar-36
Cross Section -26.09 To 40.92 %
Max Ratio
Min Ratio
TENDL
JEFF4.0
JEFF4.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
18-Ar-36

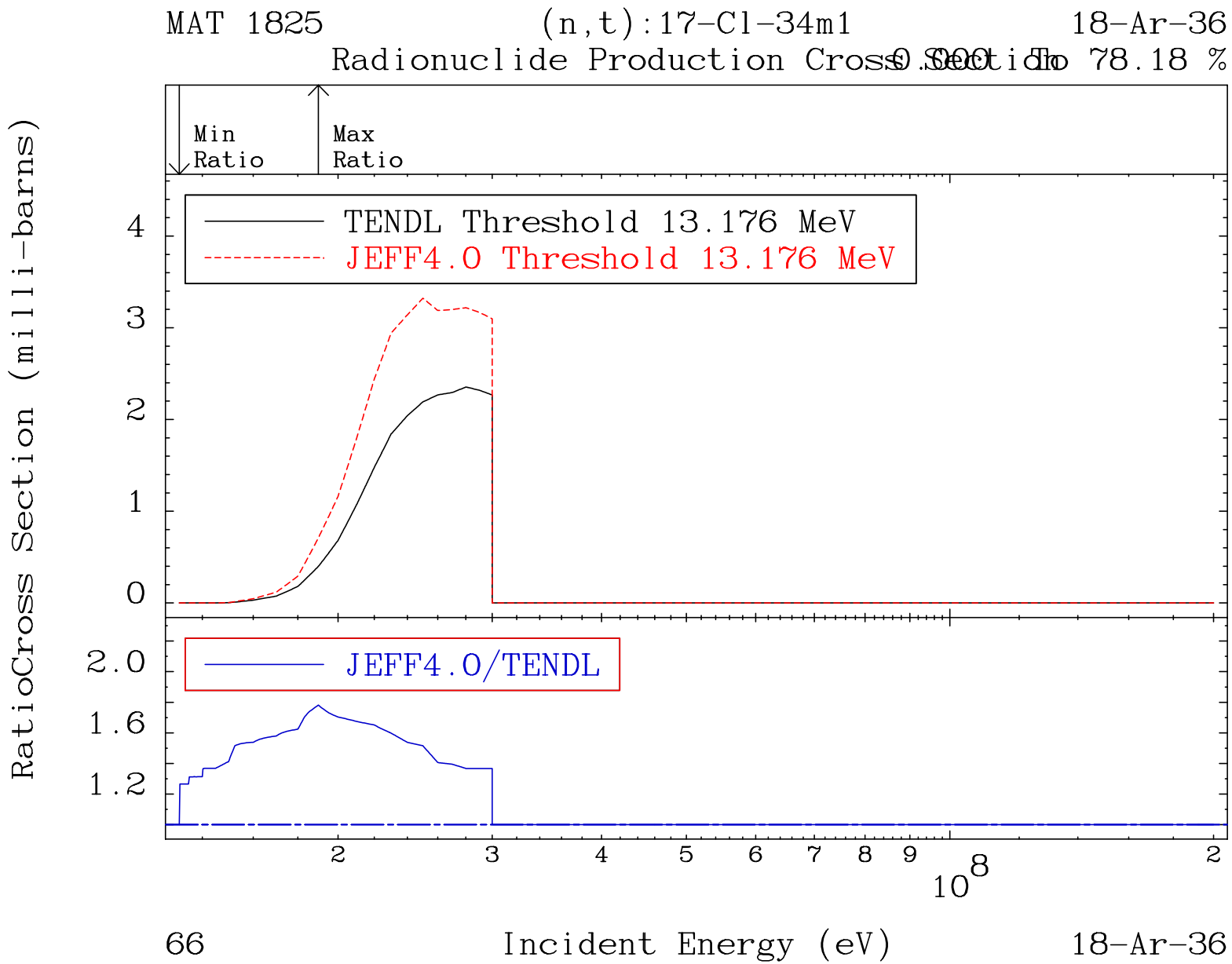

MAT 1825
(n,n') d:17-Cl-34g
18-Ar-36
Radionuclide Production Cross Section To 18.59 %
Min
Ratio
TENDL Threshold 19.458 MeV
JEFF4.0 Threshold 19.458 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
61
Incident Energy (eV)
18-Ar-36


MAT 1825
(n,n') d:17-Cl-34m1
18-Ar-36
Radionuclide Production Cross Section
0.000 To 330.2 %
Max
Ratio
TENDL Threshold 19.608 MeV
JEFF4.0 Threshold 19.608 MeV
JEFF4.0/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 To 73.18 %
Min
Ratio
TENDL Threshold 21.745 MeV
JEFF4.0 Threshold 21.745 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
2.0
1.0
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
Min
Ratio
TENDL Threshold 22.000 MeV
JEFF4.0 Threshold 21.895 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (MeV)
64
18-Ar-36


MAT 1825
(n,t):17-Cl-34g
18-Ar-36
Radionuclide Production Cross Section To 46.16 %
Max Ratio
Min Ratio
TENDL Threshold 13.025 MeV
JEFF4.0 Threshold 13.025 MeV
JEFF4.0/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
0.000 To 78.18 %
Min Ratio
Max Ratio
TENDL Threshold 13.176 MeV
JEFF4.0 Threshold 13.176 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
66
18-Ar-36