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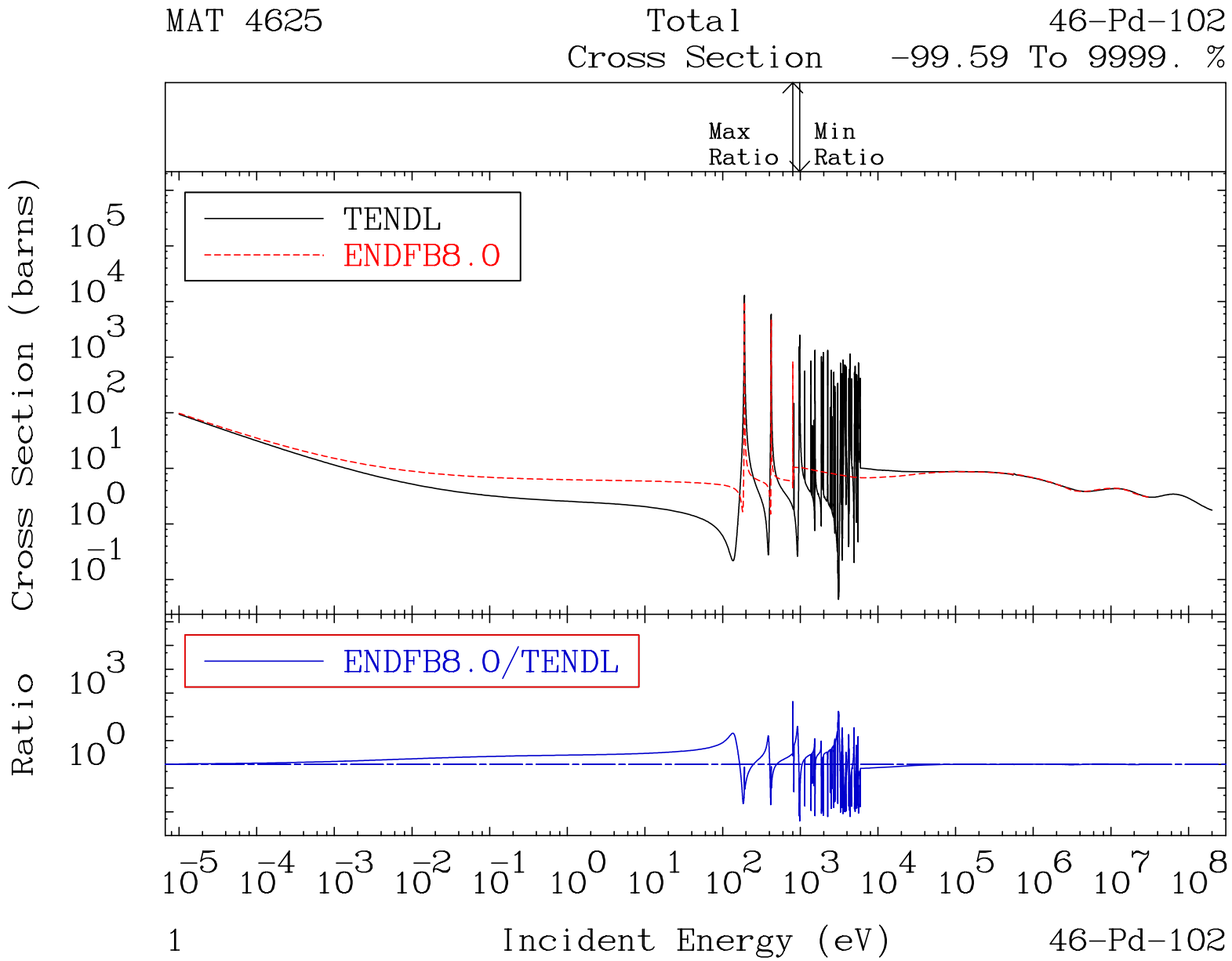
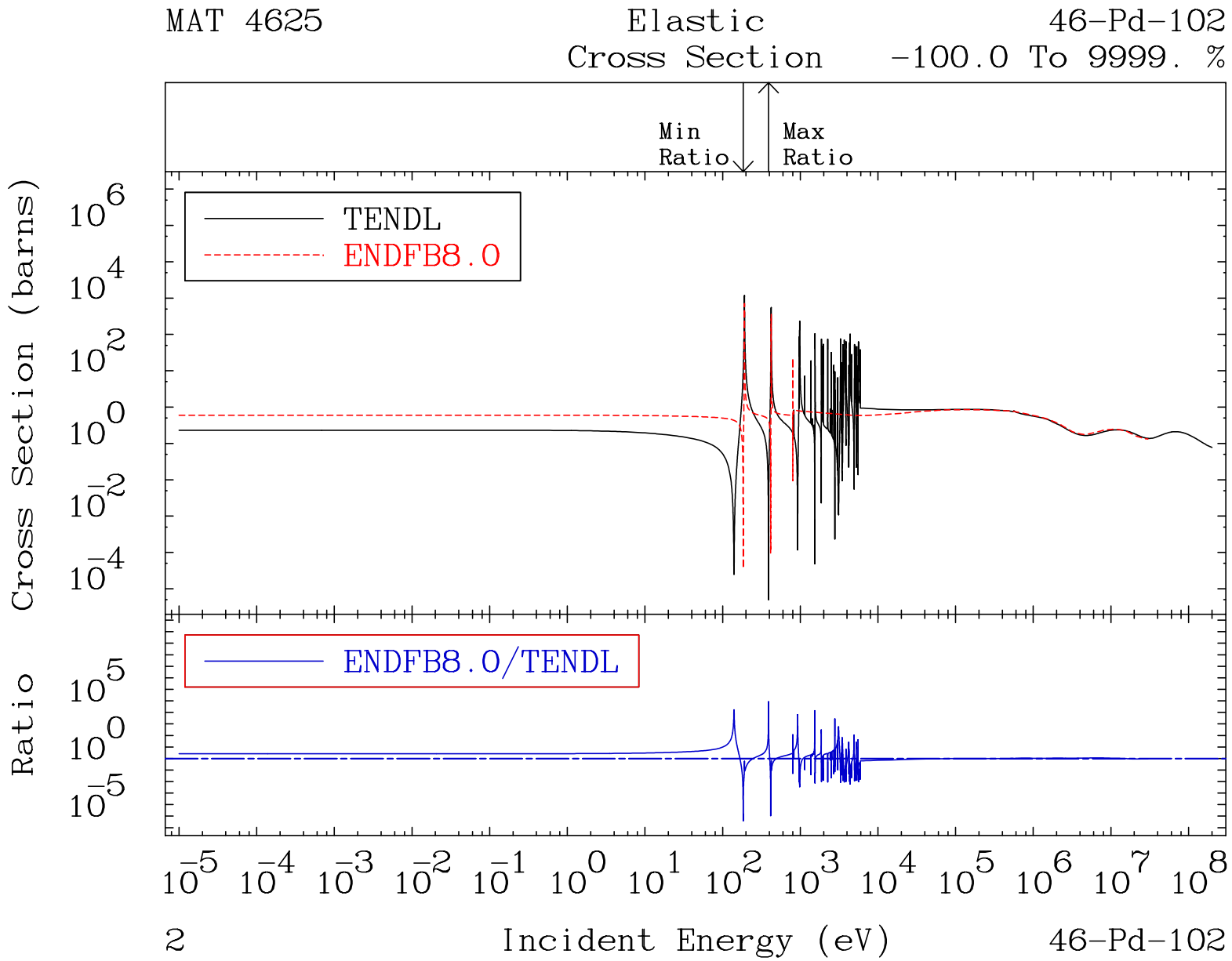
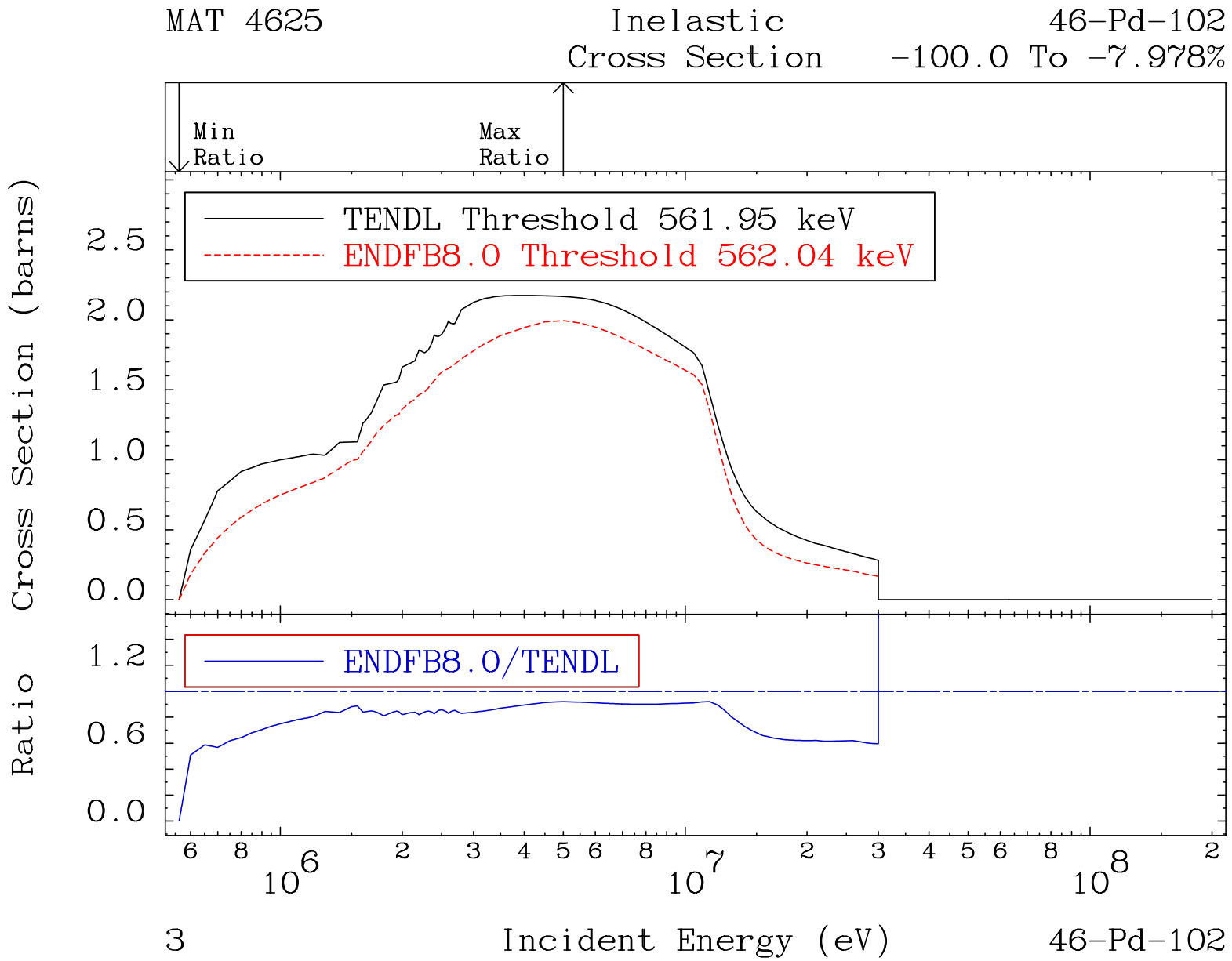
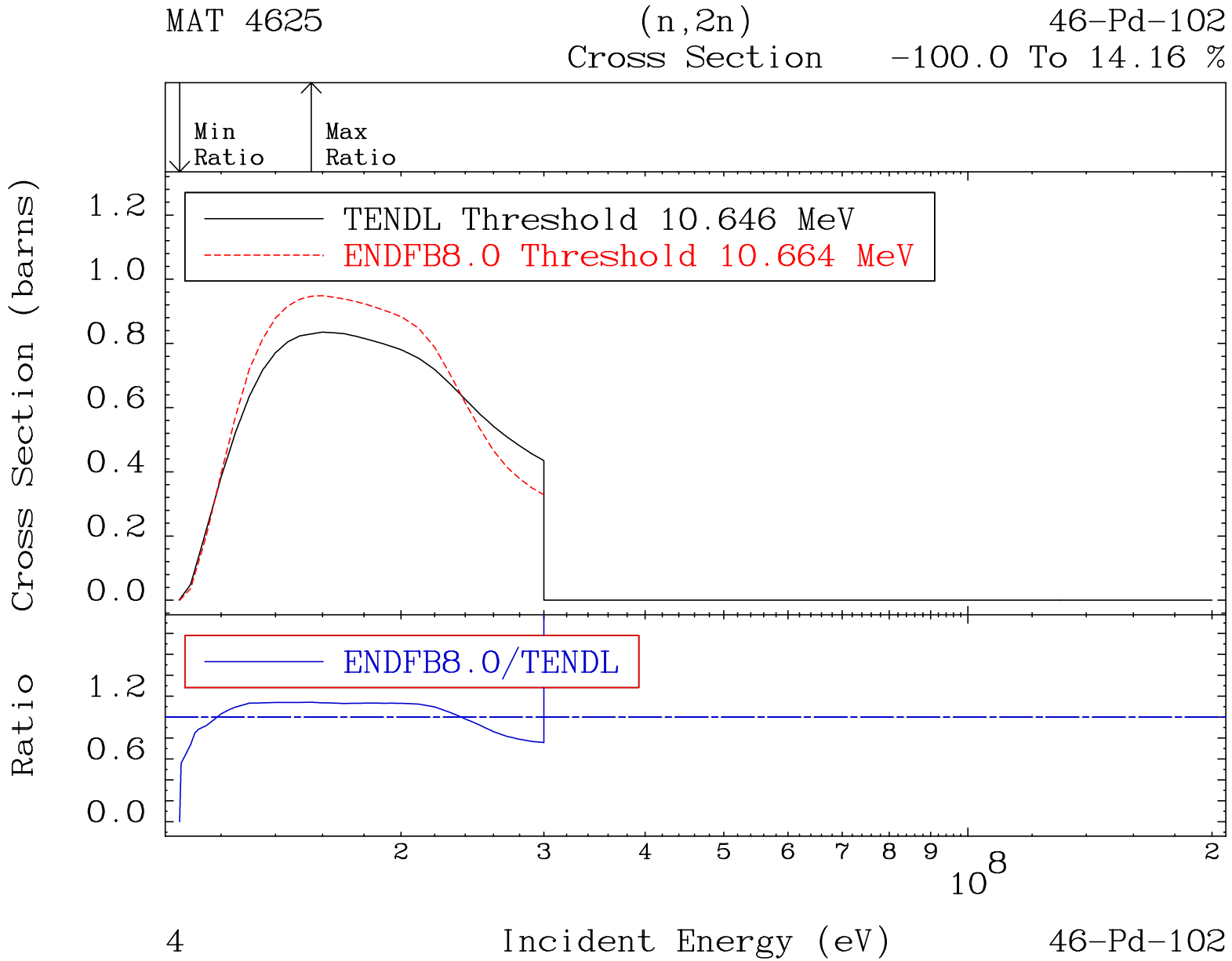
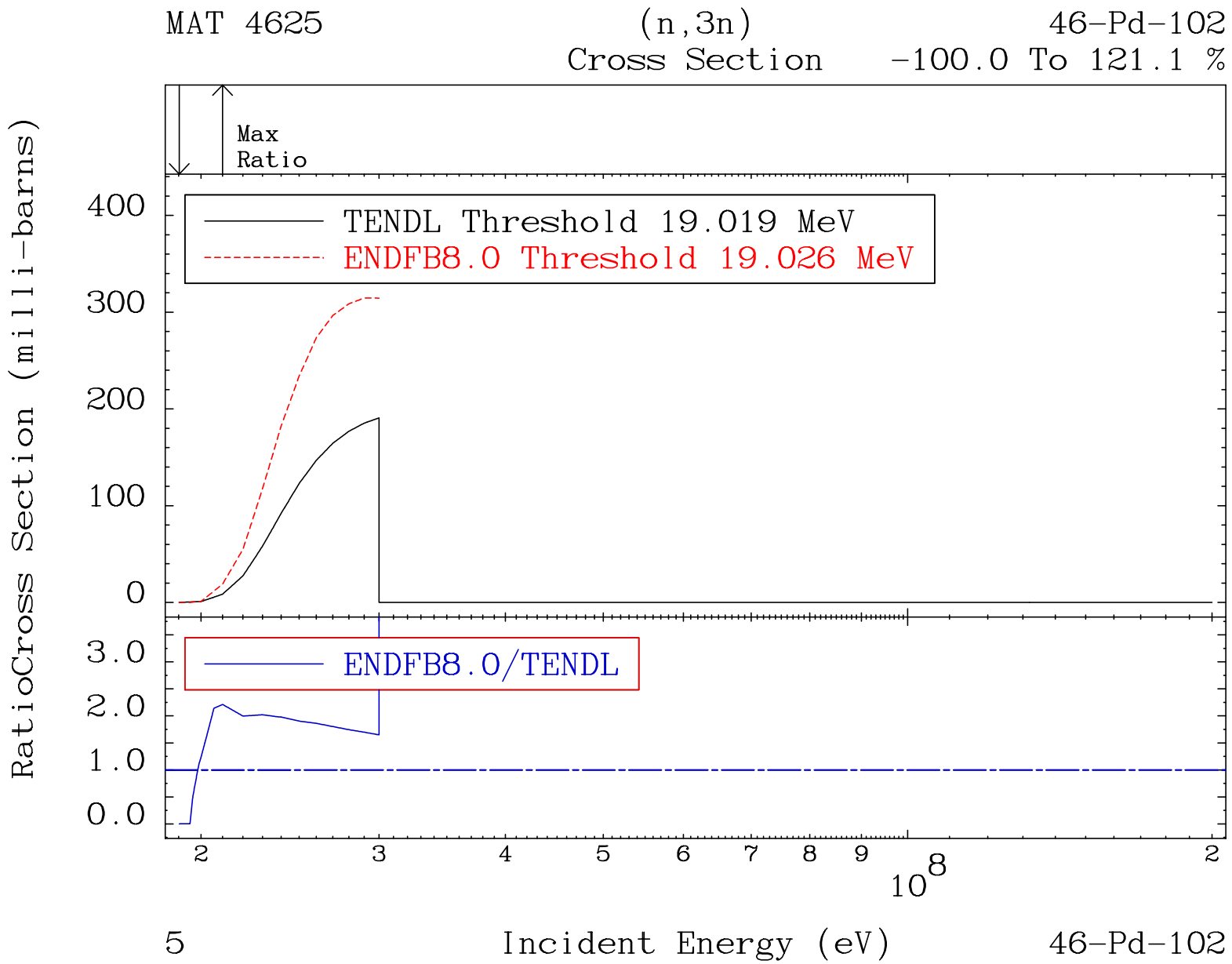
Press Mouse Button to Start

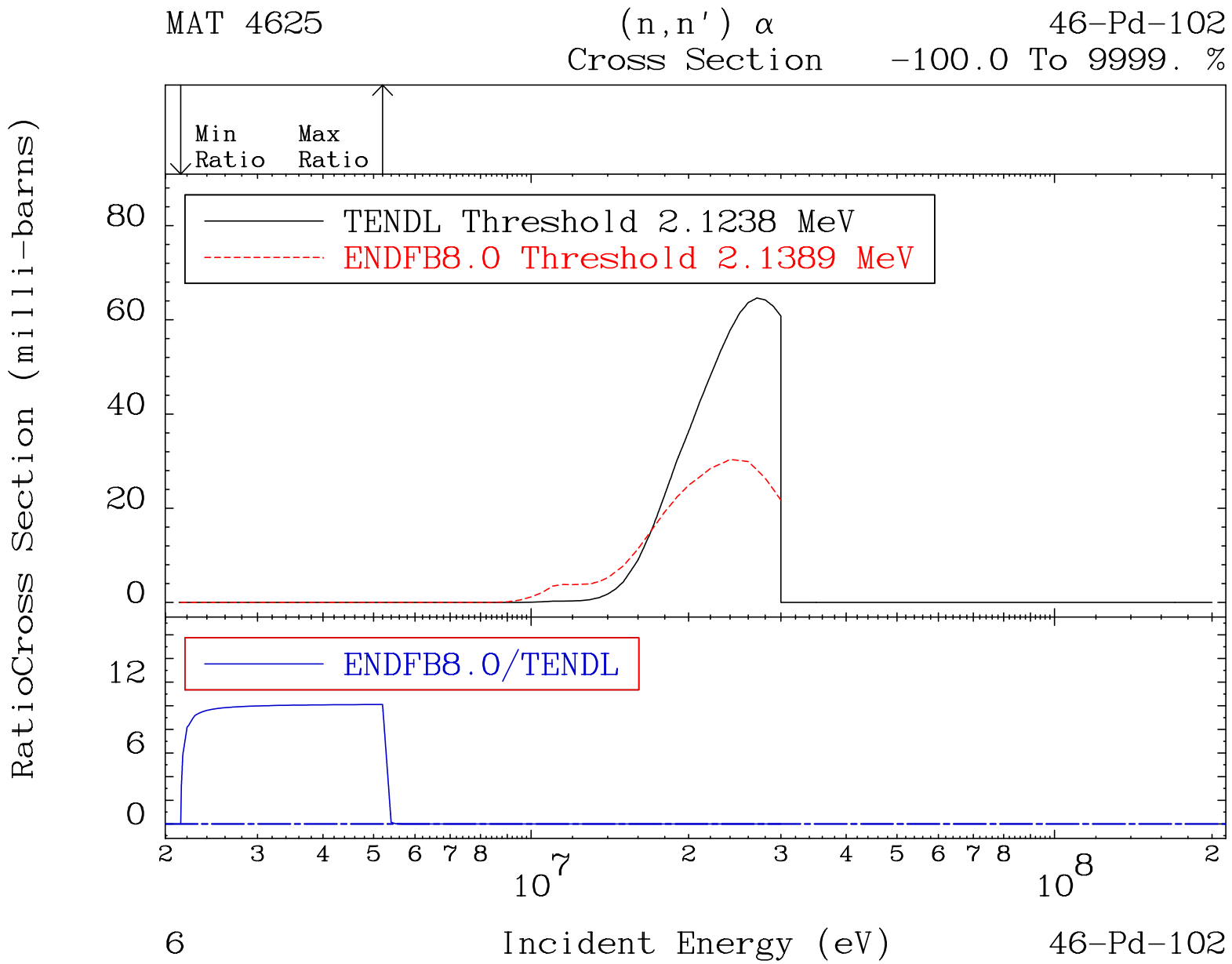

MAT 4625
Total
Cross Section
46-Pd-102
-99.59 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
46-Pd-102

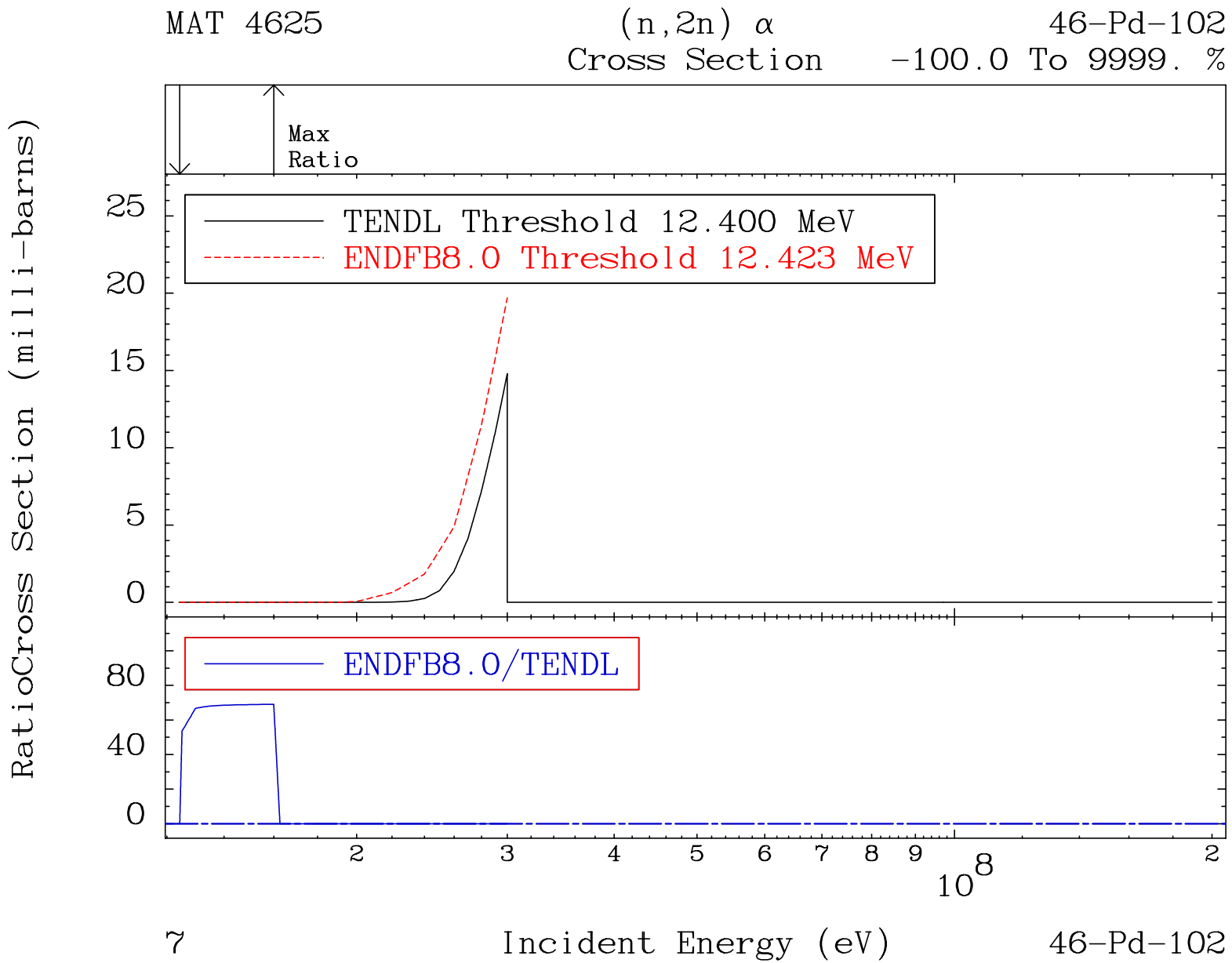

MAT 4625
Elastic
Cross Section
46-Pd-102
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
46-Pd-102

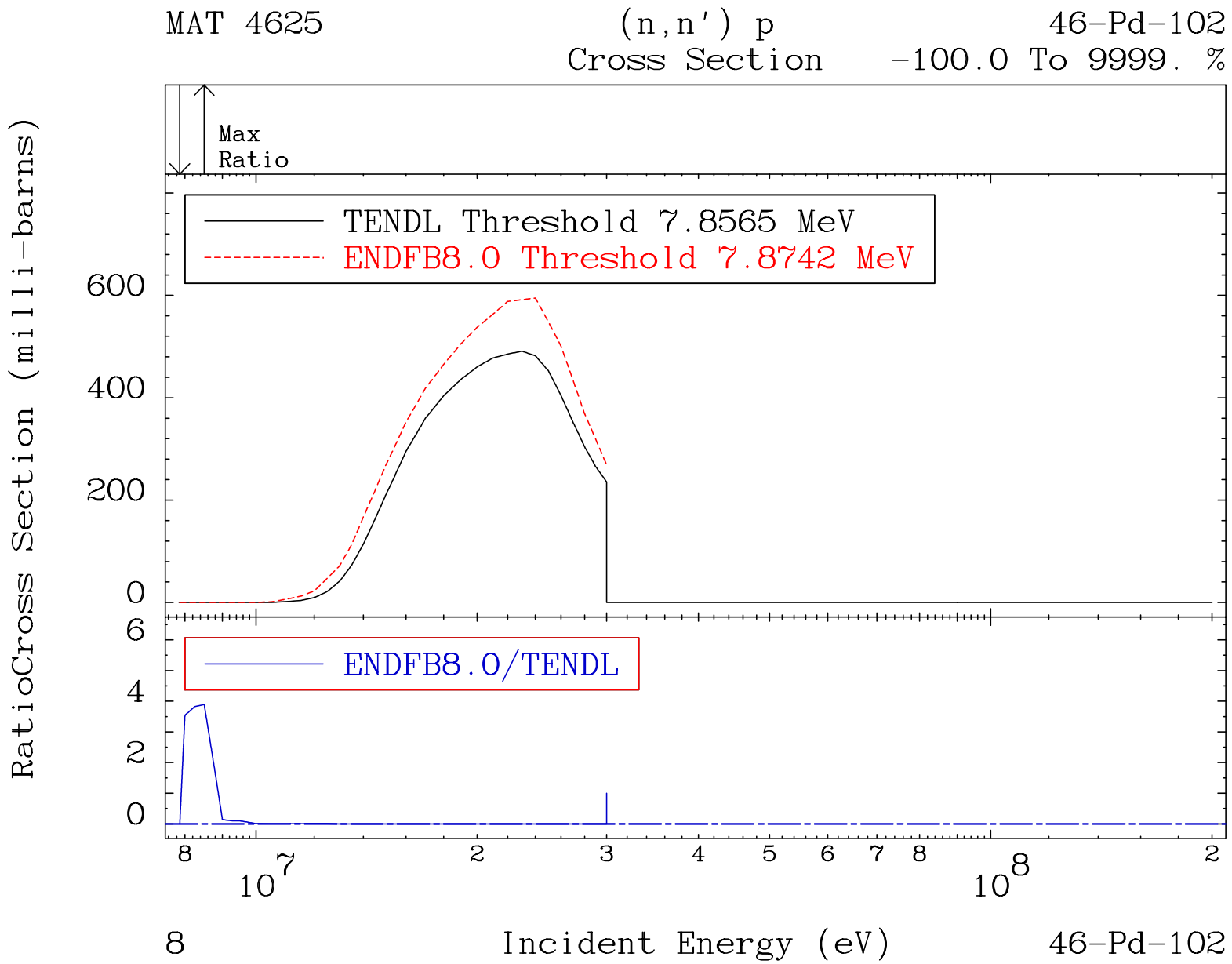

MAT 4625
Inelastic
Cross Section
46-Pd-102
-100.0 To -7.978%
Min Ratio
Max Ratio
TENDL Threshold 561.95 keV
ENDFB8.0 Threshold 562.04 keV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
3
46-Pd-102

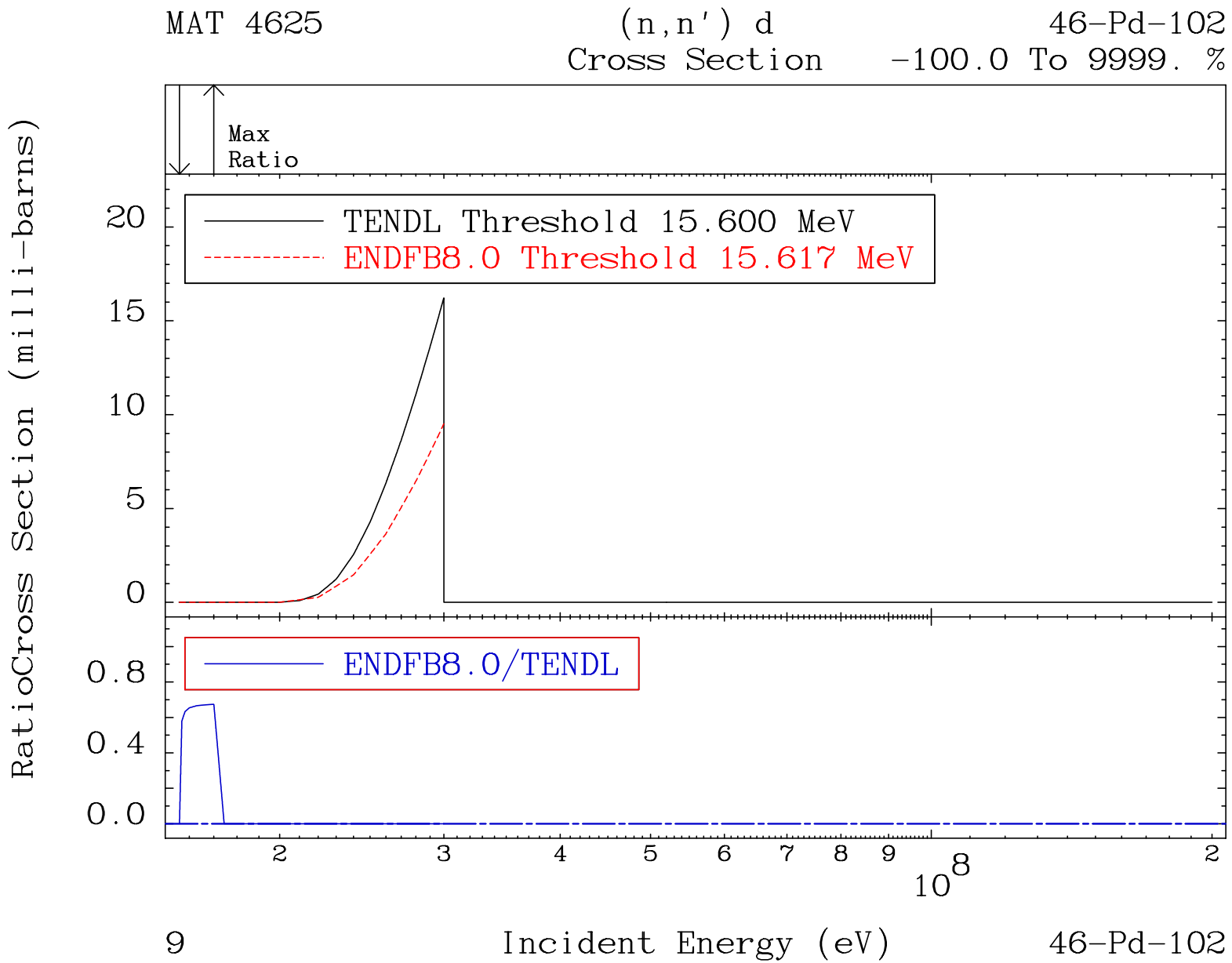

MAT 4625
(n,2n)
Cross Section
46-Pd-102
-100.0 To 14.16 %
Min Ratio
Max Ratio
TENDL Threshold 10.646 MeV
ENDFB8.0 Threshold 10.664 MeV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
46-Pd-102

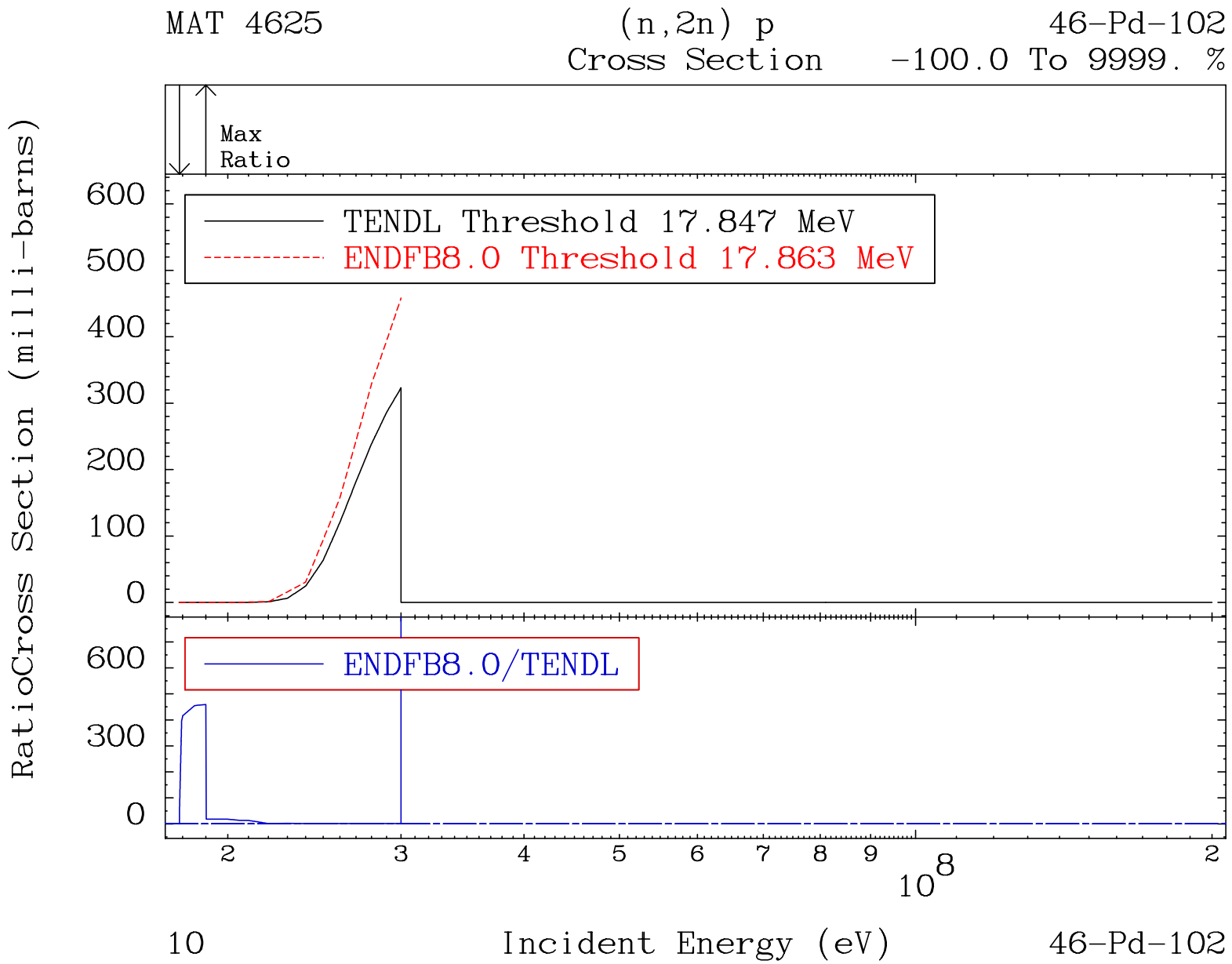

MAT 4625
(n,3n)
46-Pd-102
Cross Section
-100.0 To 121.1 %
Max
Ratio
TENDL Threshold 19.019 MeV
ENDFB8.0 Threshold 19.026 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
46-Pd-102

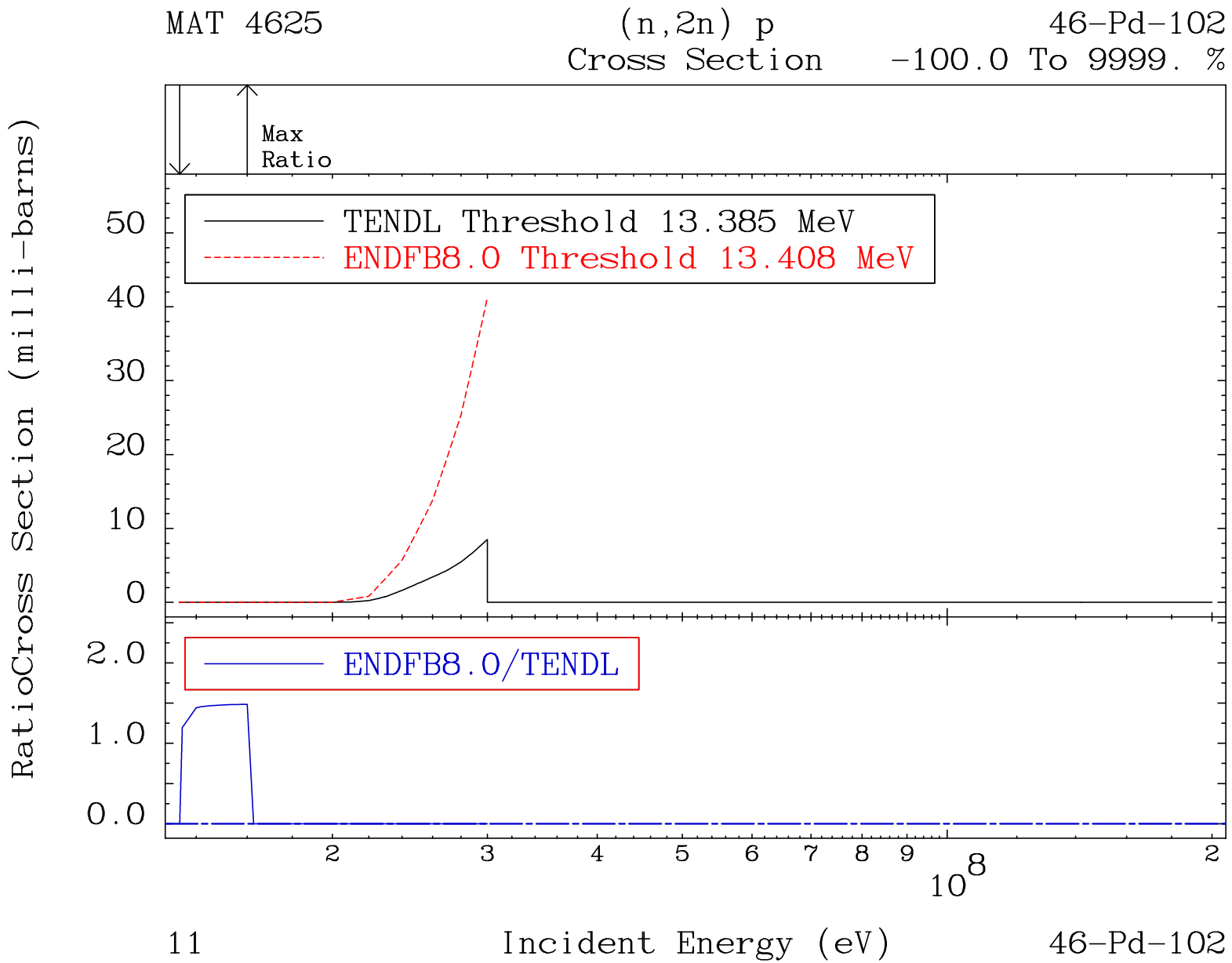

MAT 4625
(n,n') α
Cross Section
46-Pd-102
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.1238 MeV
ENDFB8.0 Threshold 2.1389 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
12
6
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
6
Incident Energy (eV)
46-Pd-102

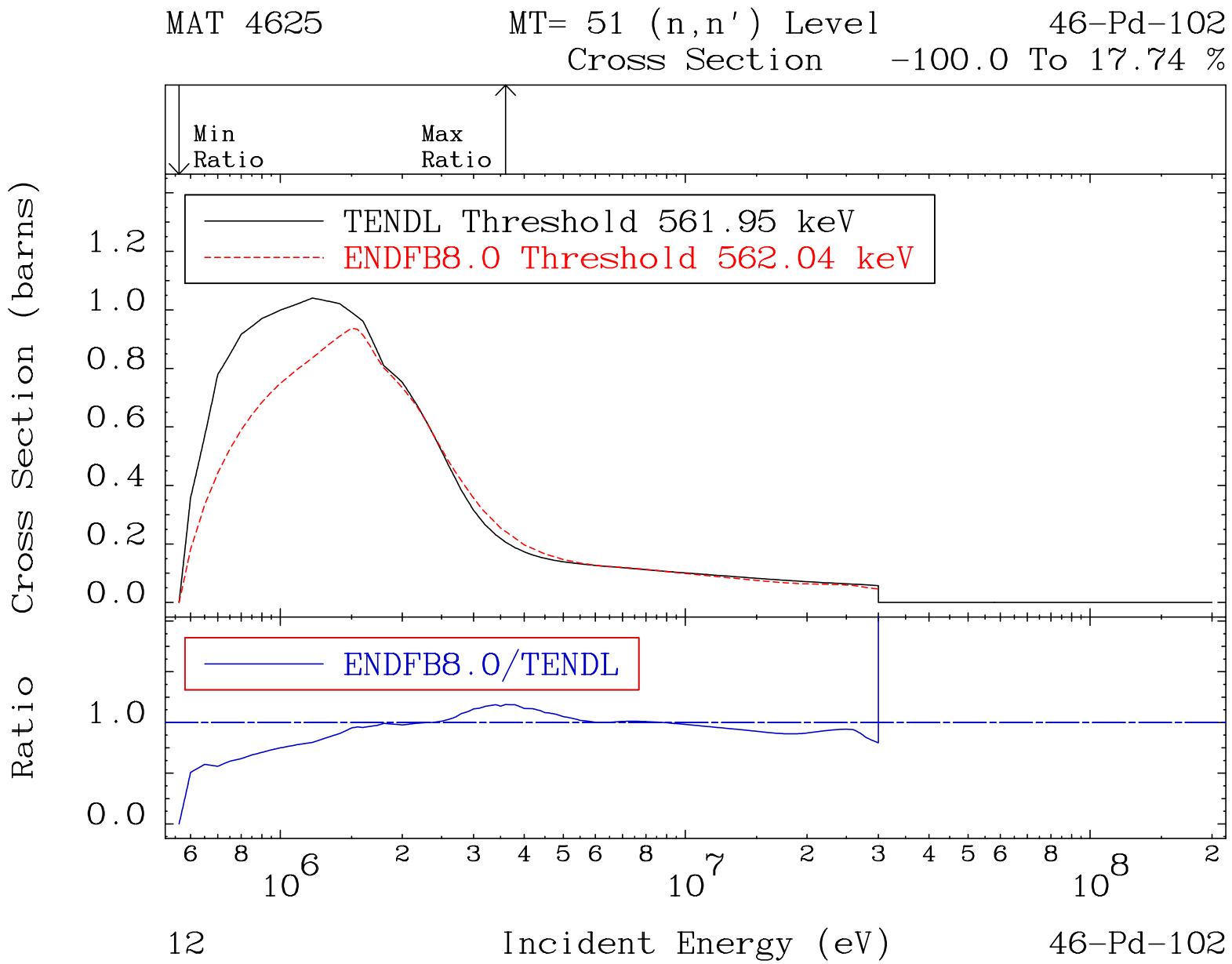

MAT 4625
(n,2n) α
46-Pd-102
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 12.400 MeV
ENDFB8.0 Threshold 12.423 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
80
40
0
2
3
4
5
6
7
8
9
2
10^8
7
Incident Energy (eV)
46-Pd-102

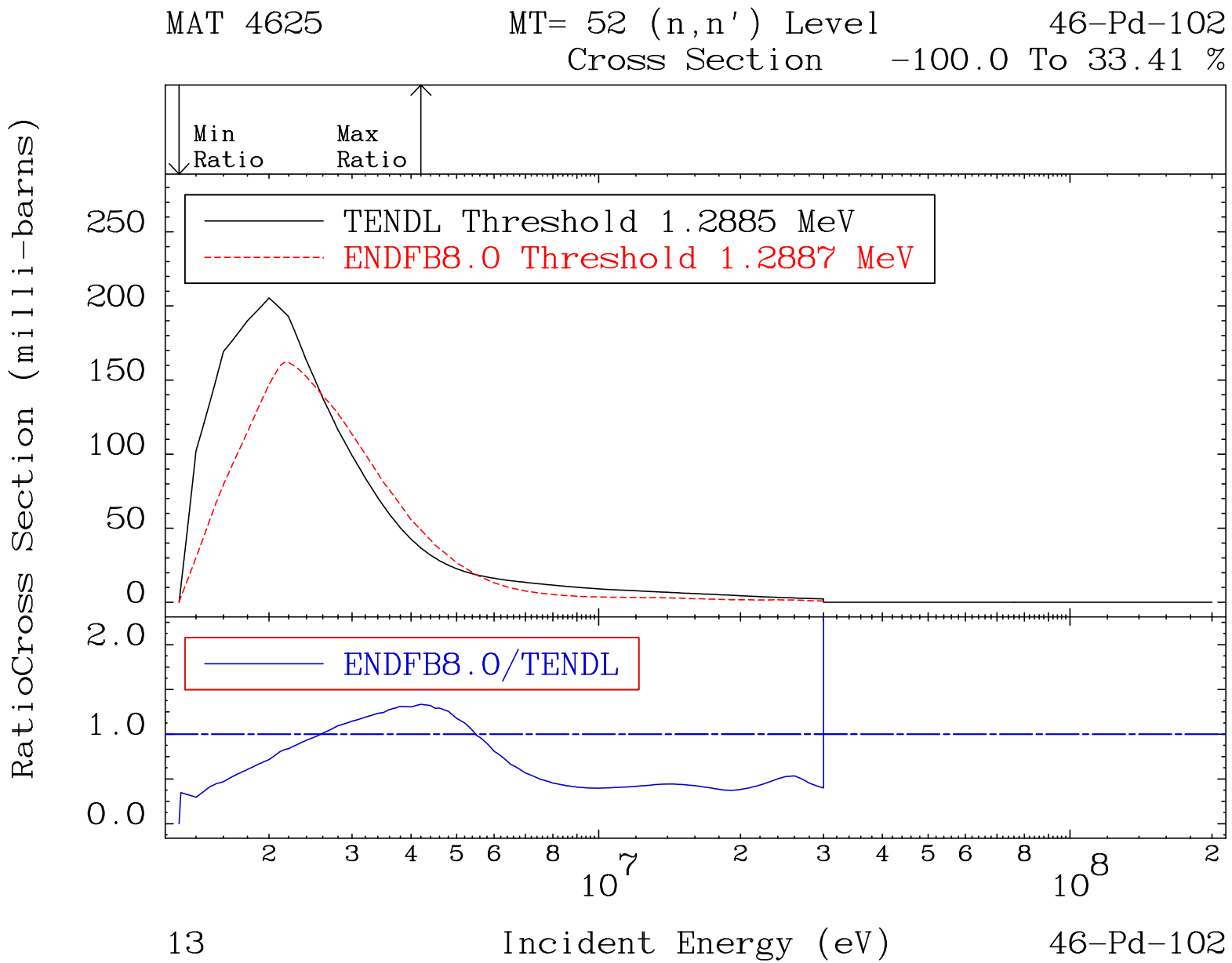

MAT 4625
(n,n') p
Cross Section
46-Pd-102
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.8565 MeV
ENDFB8.0 Threshold 7.8742 MeV
600
400
200
0
ENDFB8.0/TENDL
6
4
2
0
8
10^7
2
3
4
5
6
7
8
10^8
2
RatioCross Section (milli-barns)
8
Incident Energy (eV)
46-Pd-102

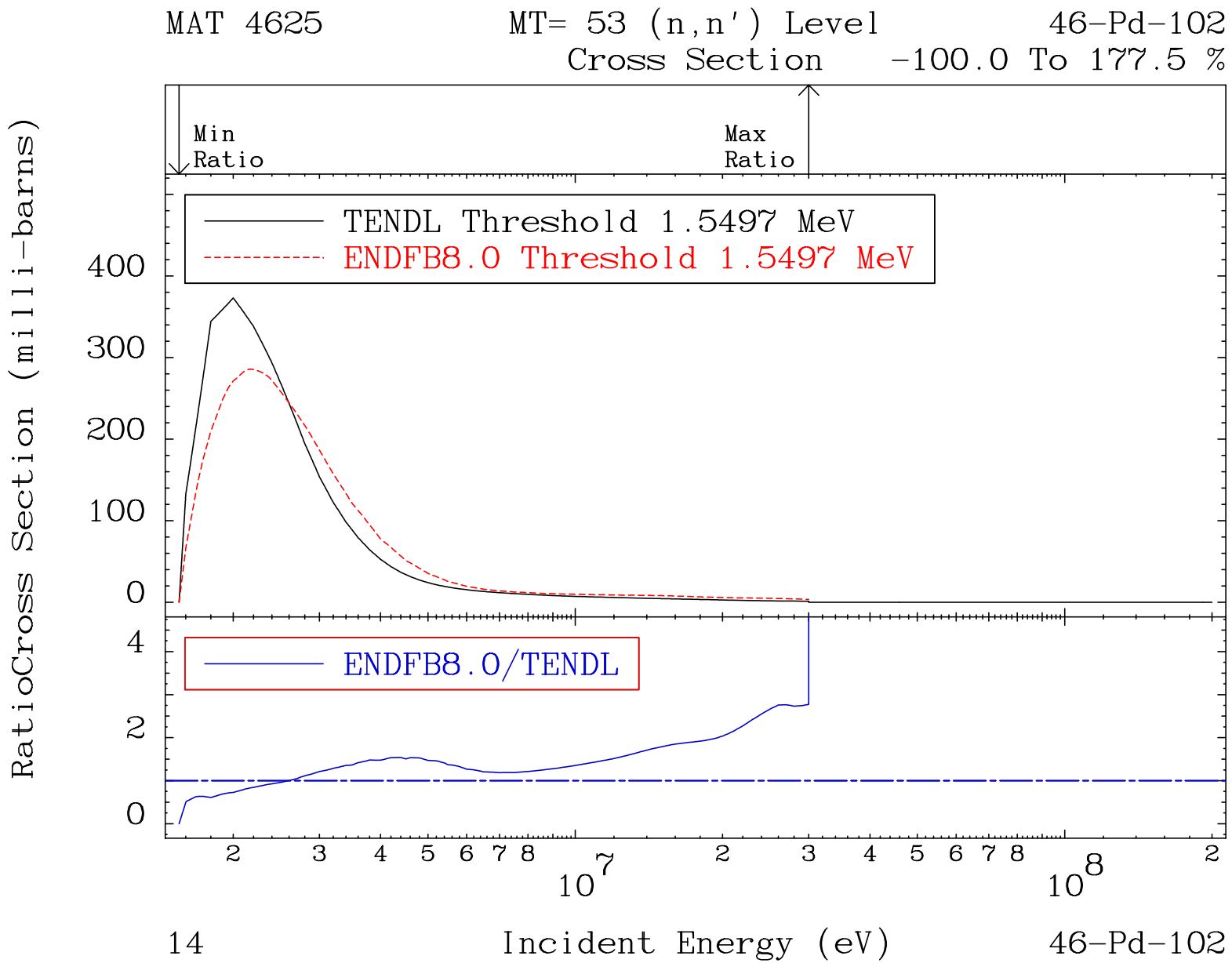

MAT 4625
(n,n') d
Cross Section
46-Pd-102
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 15.600 MeV
ENDFB8.0 Threshold 15.617 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
46-Pd-102

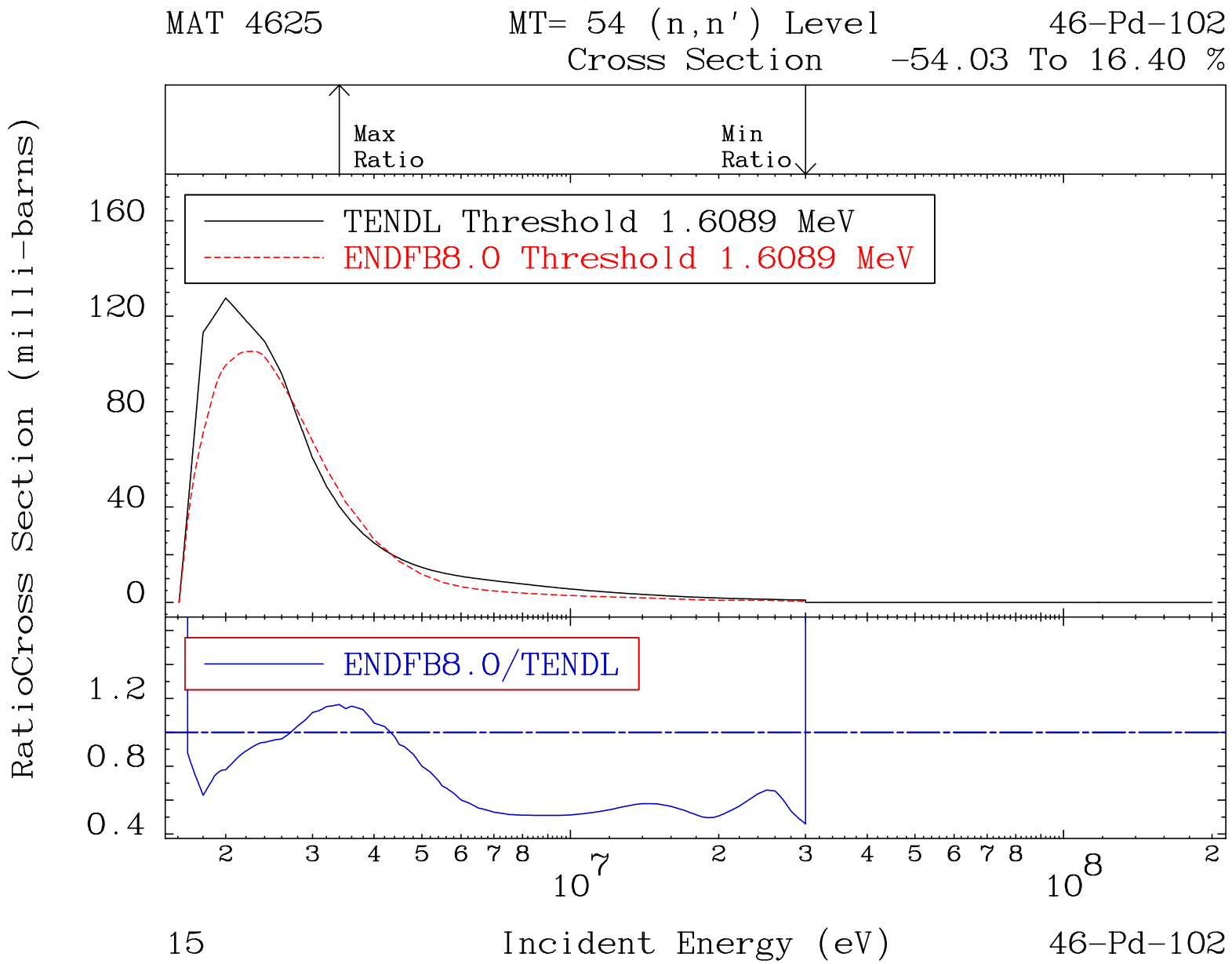

MAT 4625
(n,2n) p
Cross Section
46-Pd-102
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 17.847 MeV
ENDFB8.0 Threshold 17.863 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
600
300
0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
46-Pd-102

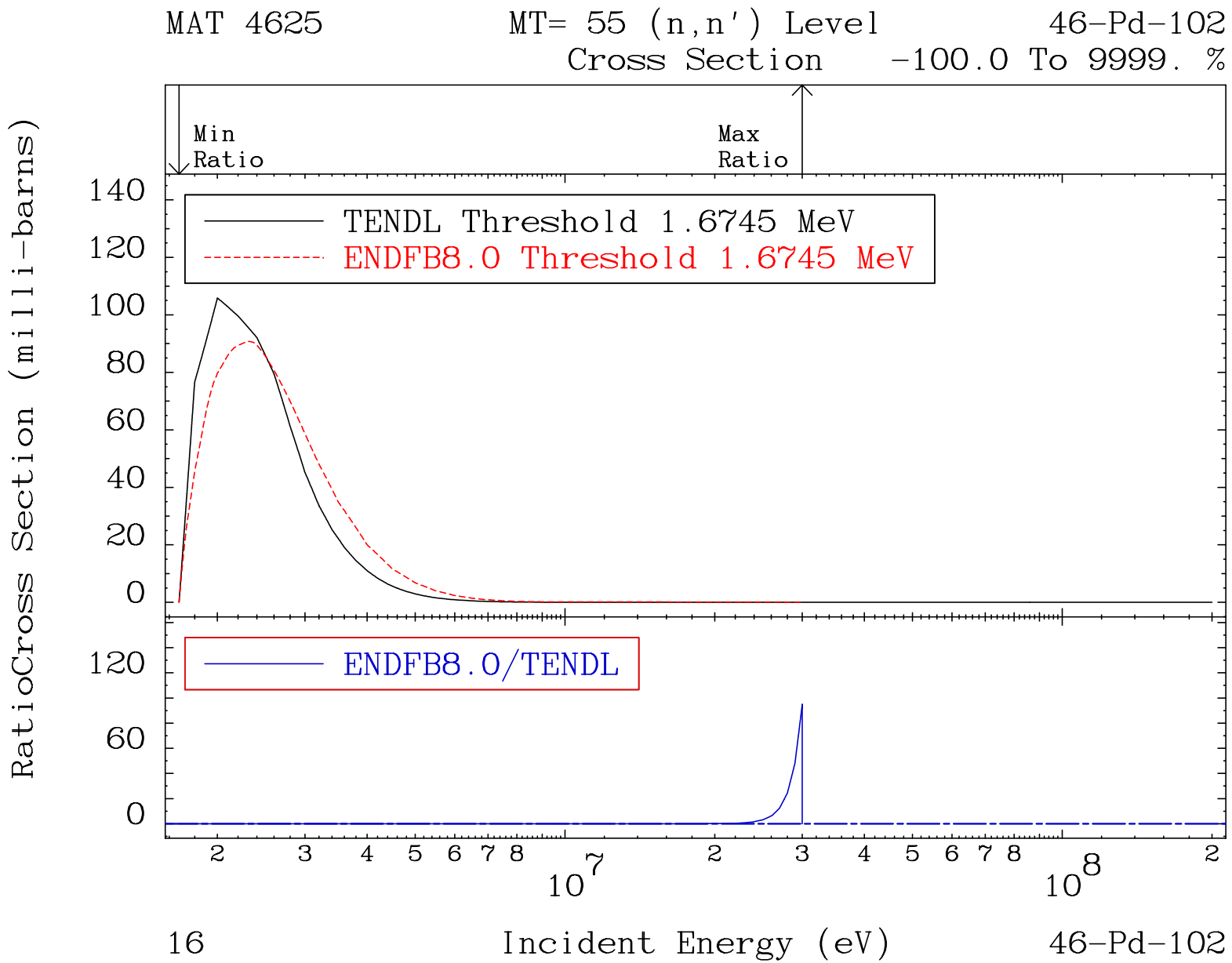

MAT 4625
(n,2n) p
Cross Section
46-Pd-102
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 13.385 MeV
ENDFB8.0 Threshold 13.408 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
46-Pd-102

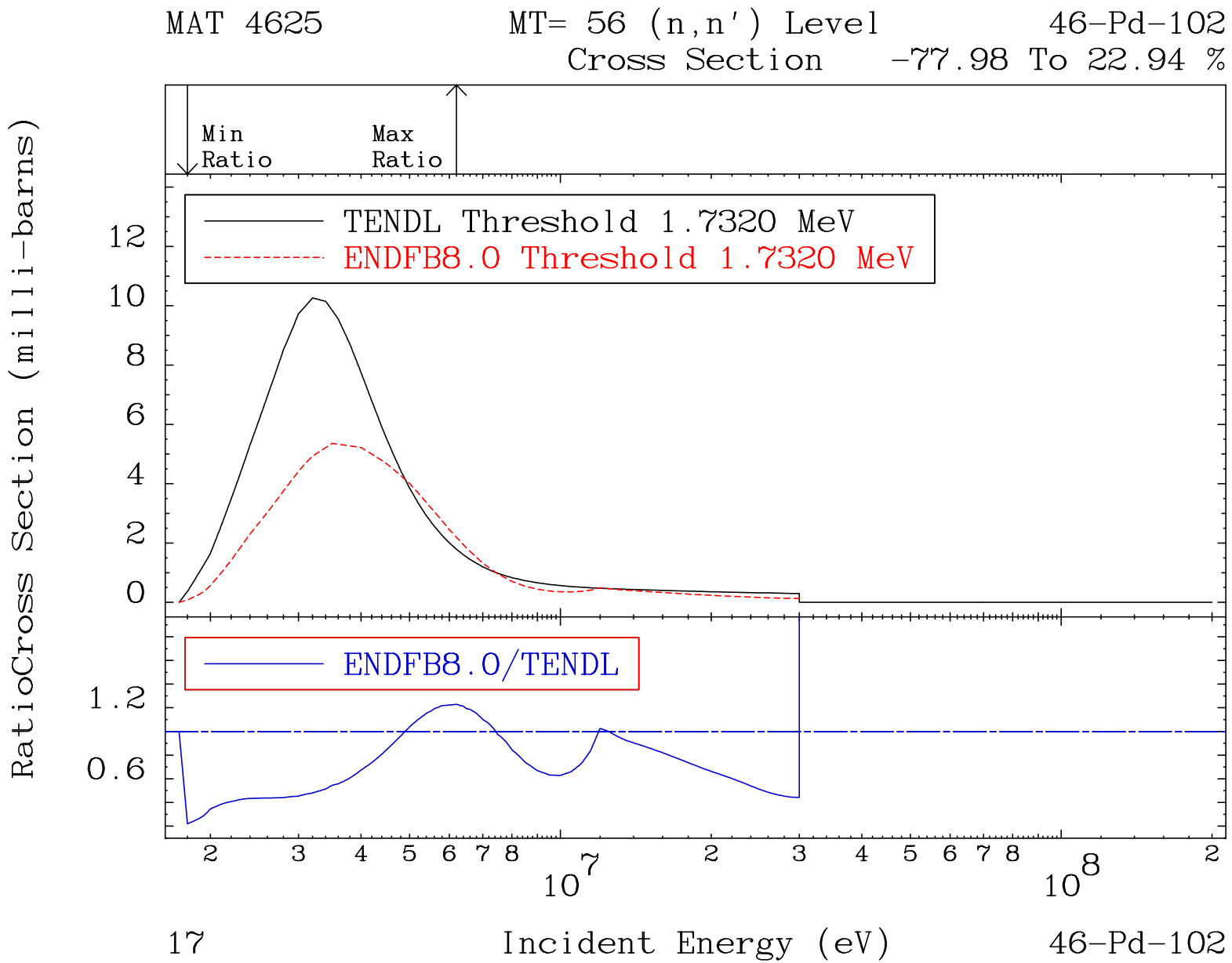

MAT 4625
MT= 51 (n,n') Level
46-Pd-102
Cross Section -100.0 To 17.74 %
Min Ratio
Max Ratio
TENDL Threshold 561.95 keV
ENDFB8.0 Threshold 562.04 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
ENDFB8.0/TENDL
Ratio
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
46-Pd-102

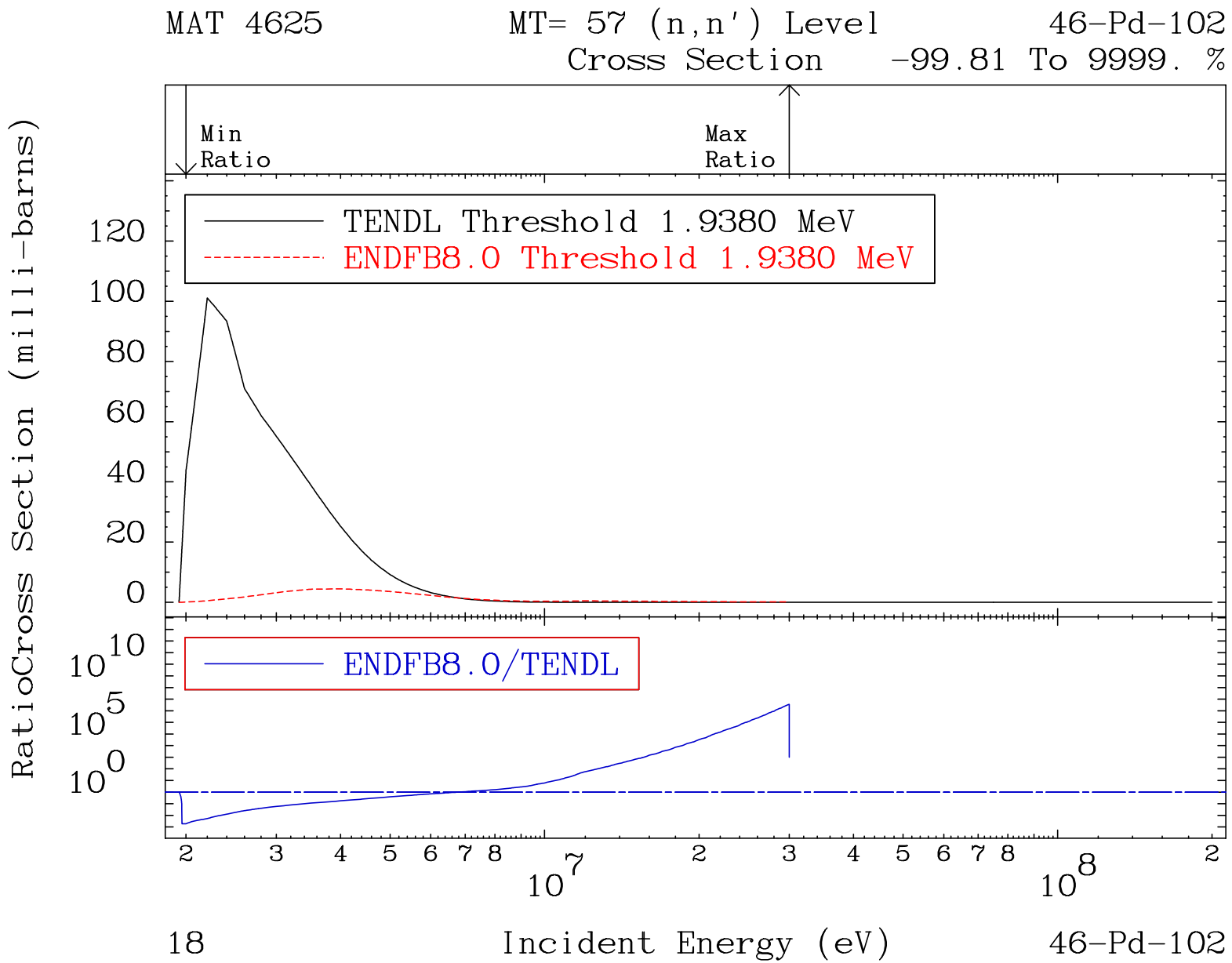

MAT 4625
MT= 52 (n,n') Level
46-Pd-102
Cross Section -100.0 To 33.41 %
Min Ratio
Max Ratio
TENDL Threshold 1.2885 MeV
ENDFB8.0 Threshold 1.2887 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
10^8
13
Incident Energy (eV)
46-Pd-102

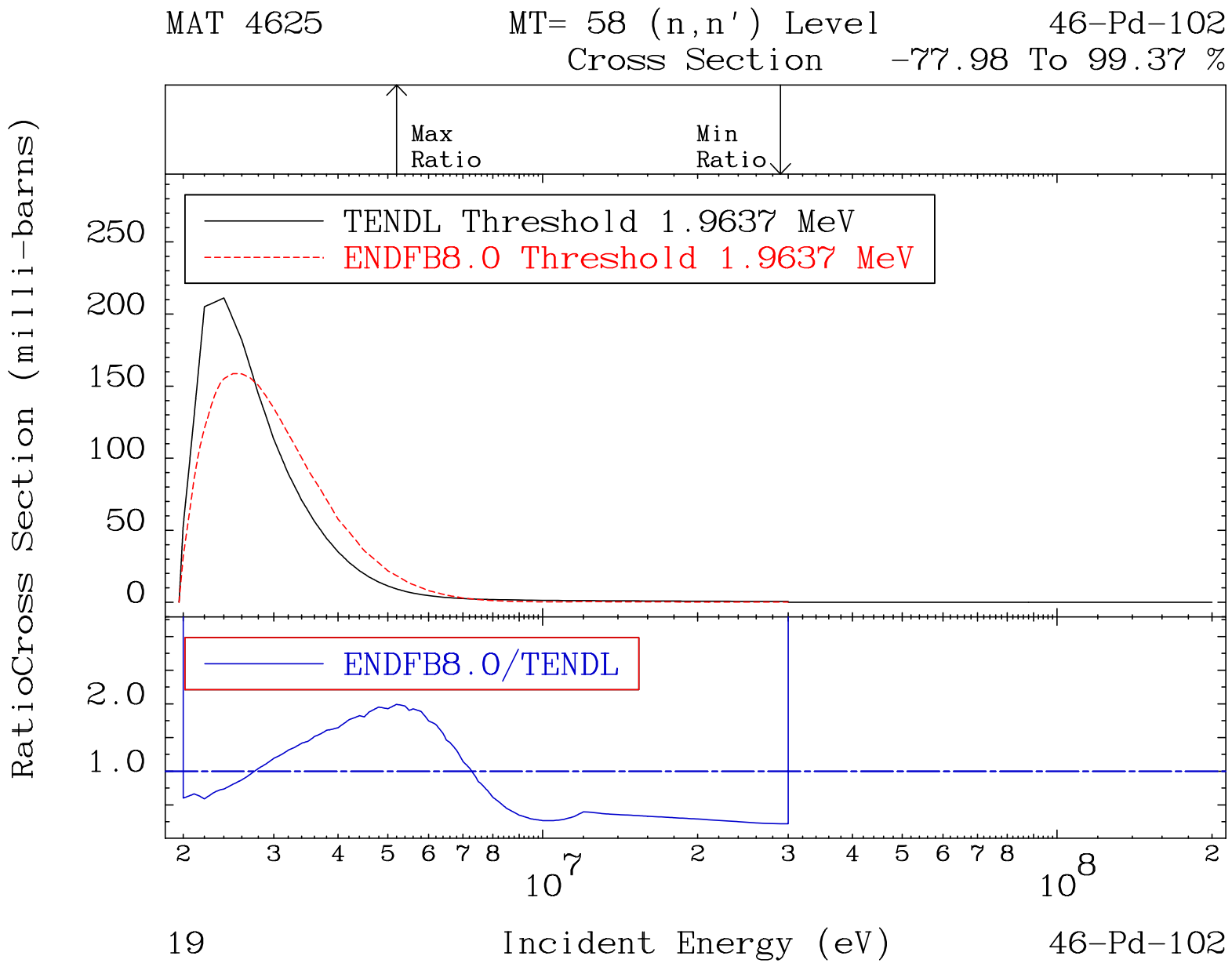

MAT 4625
MT= 53 (n,n') Level
46-Pd-102
Cross Section
-100.0 To 177.5 %
Min Ratio
Max Ratio
TENDL Threshold 1.5497 MeV
ENDFB8.0 Threshold 1.5497 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
4
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
46-Pd-102

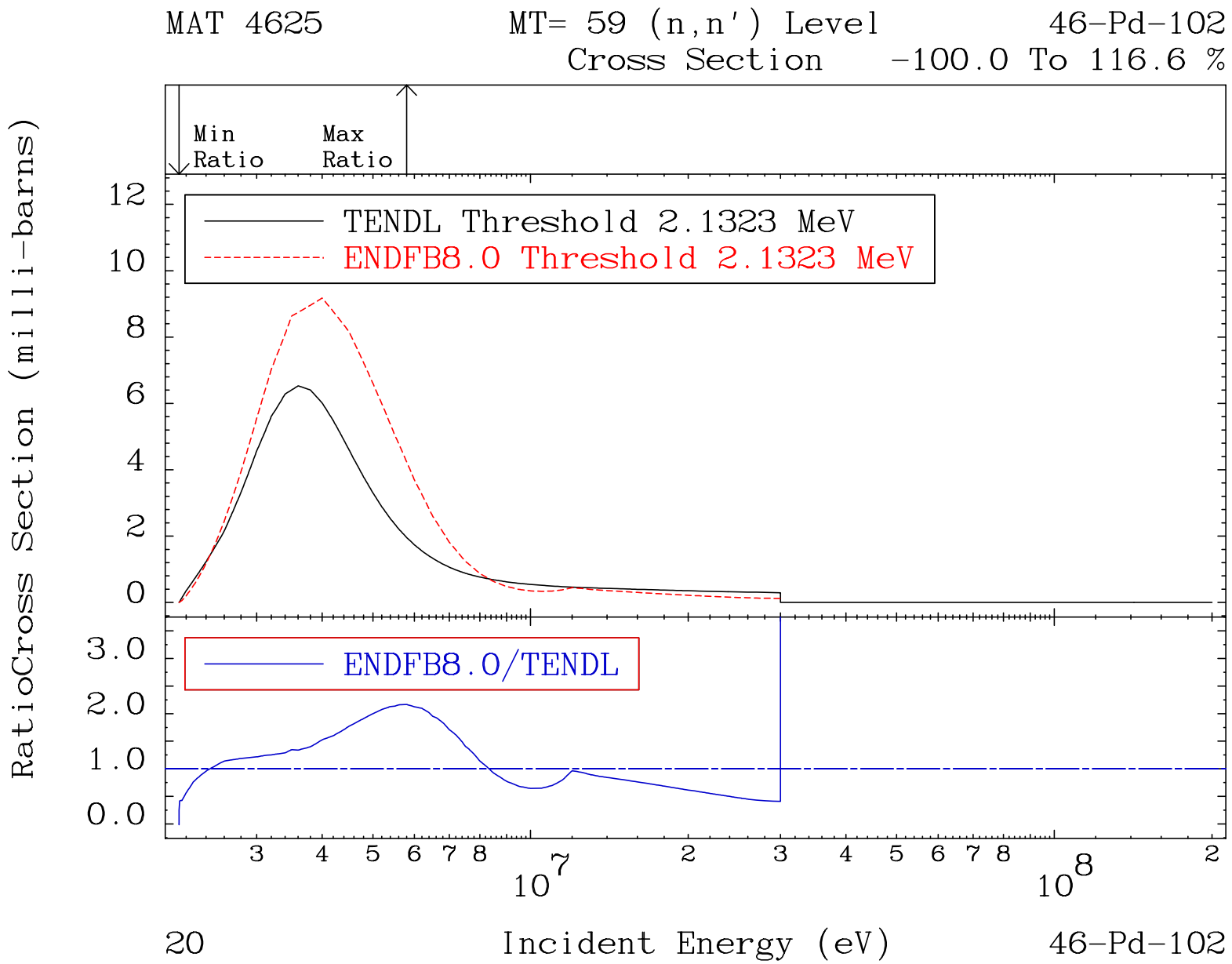

MAT 4625
MT= 54 (n,n') Level
46-Pd-102
Cross Section -54.03 To 16.40 %
Max Ratio
Min Ratio
TENDL Threshold 1.6089 MeV
ENDFB8.0 Threshold 1.6089 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.2
0.8
0.4
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
46-Pd-102

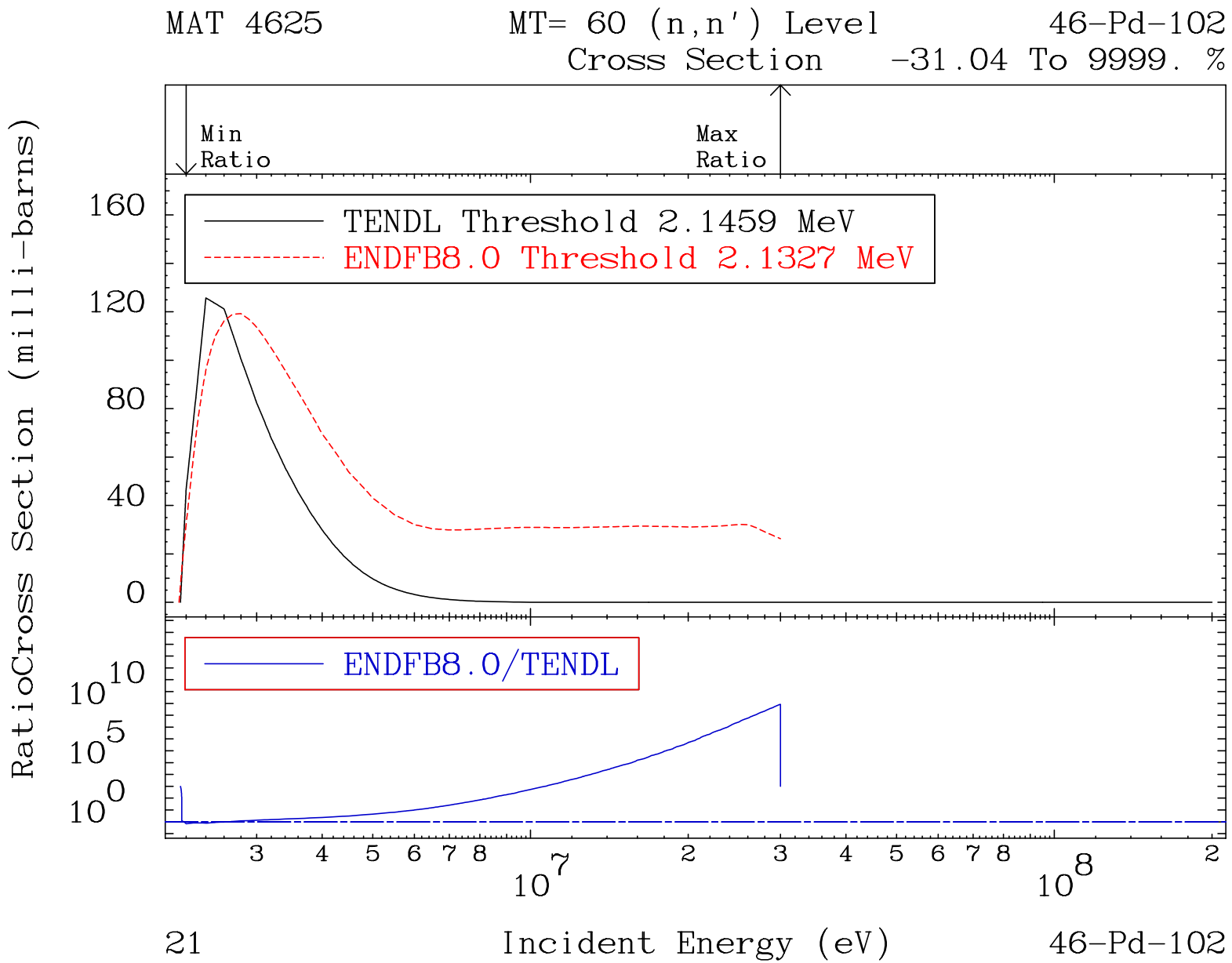

MAT 4625
MT= 55 (n,n') Level
46-Pd-102
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.6745 MeV
ENDFB8.0 Threshold 1.6745 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
120
60
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
16
Incident Energy (eV)
46-Pd-102

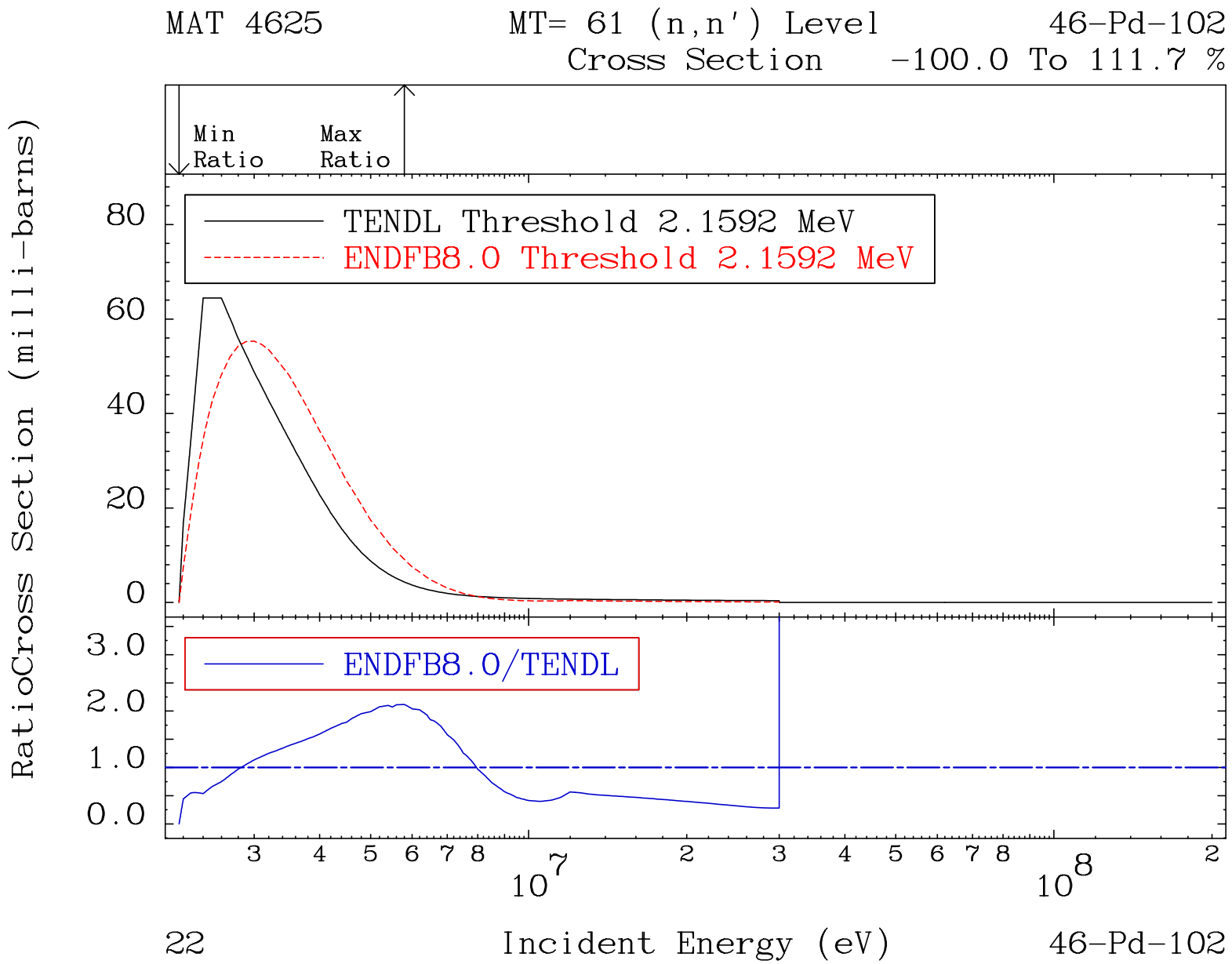

MAT 4625
MT= 56 (n,n') Level
46-Pd-102
Cross Section
-77.98 To 22.94 %
Min Ratio
Max Ratio
TENDL Threshold 1.7320 MeV
ENDFB8.0 Threshold 1.7320 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17
46-Pd-102

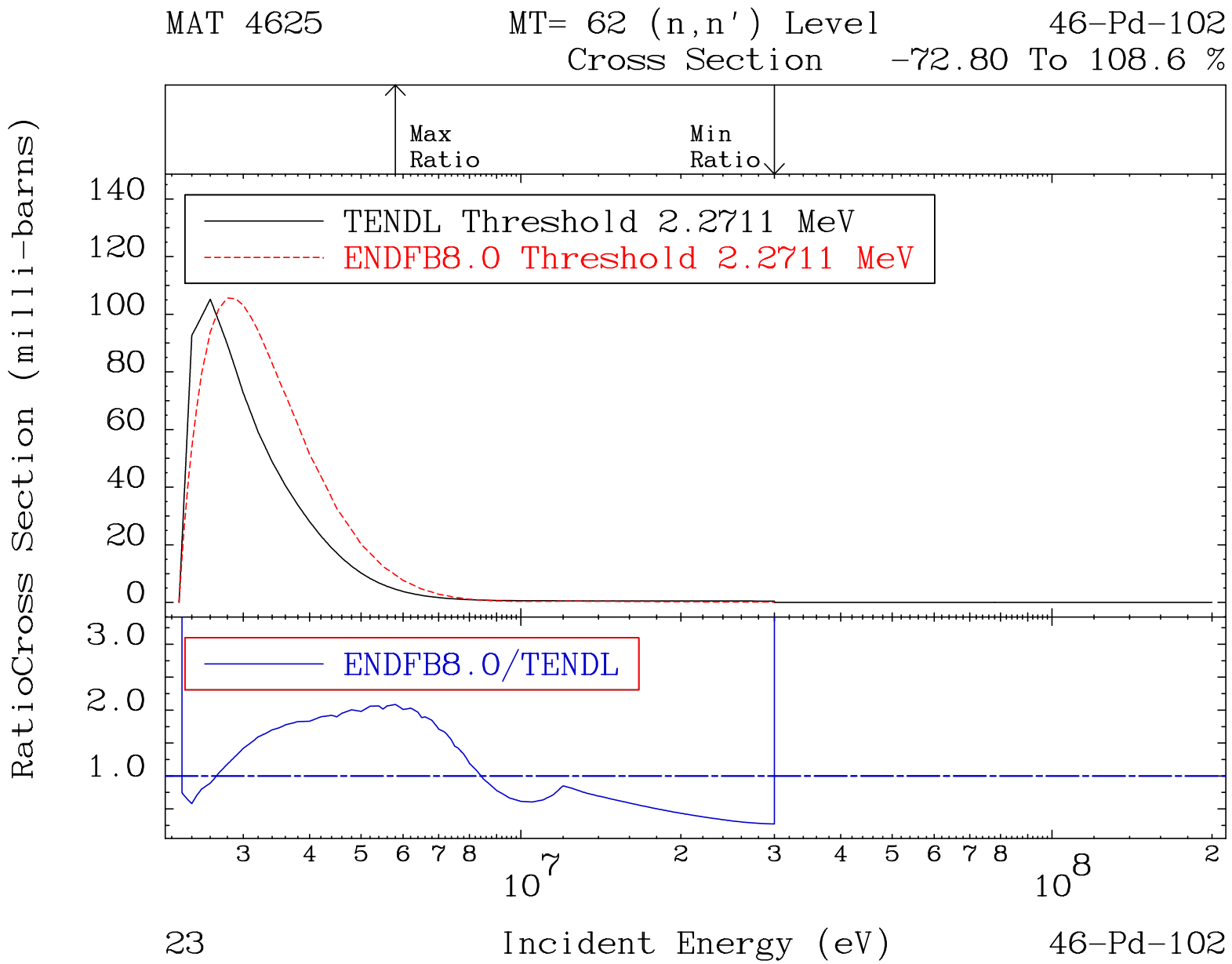

MAT 4625
MT= 57 (n,n') Level
46-Pd-102
Cross Section -99.81 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.9380 MeV
ENDFB8.0 Threshold 1.9380 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
10^10
10^5
10^0
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
46-Pd-102

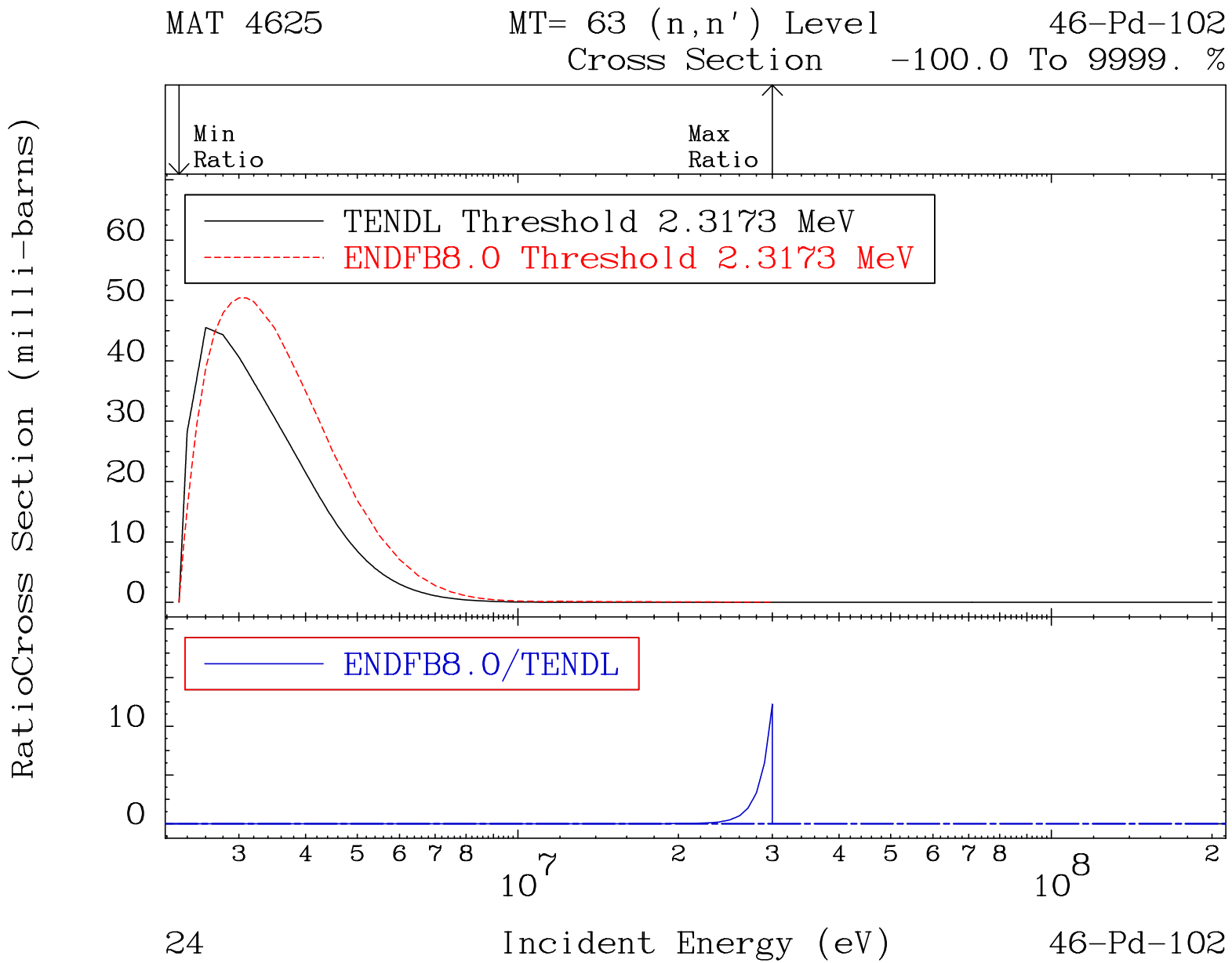

MAT 4625
MT= 58 (n,n') Level
46-Pd-102
Cross Section -77.98 To 99.37 %
Max Ratio
Min Ratio
TENDL Threshold 1.9637 MeV
ENDFB8.0 Threshold 1.9637 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
46-Pd-102

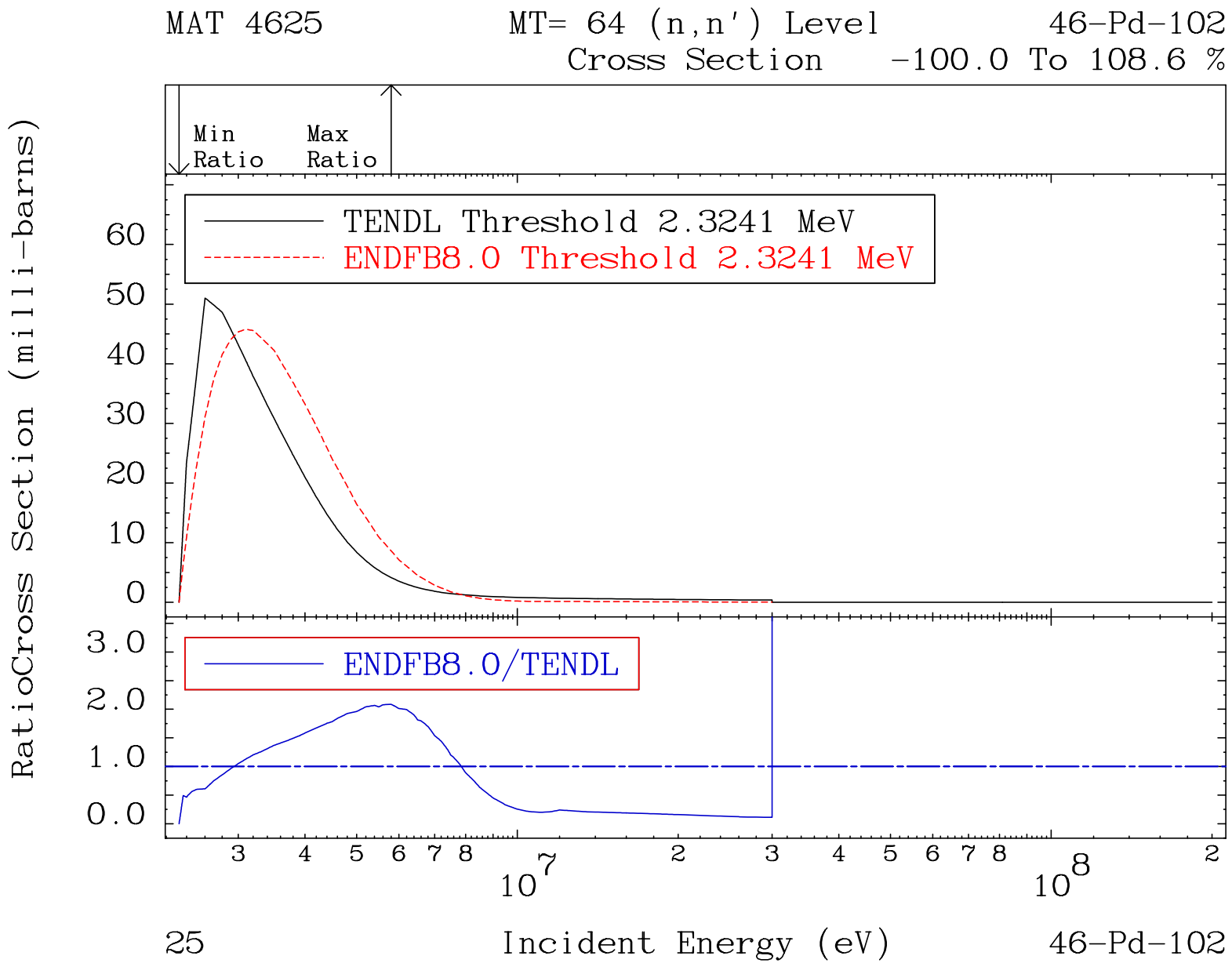

MAT 4625
MT= 59 (n,n') Level
46-Pd-102
Cross Section
-100.0 To 116.6 %
Min Ratio
Max Ratio
TENDL Threshold 2.1323 MeV
ENDFB8.0 Threshold 2.1323 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
20
46-Pd-102

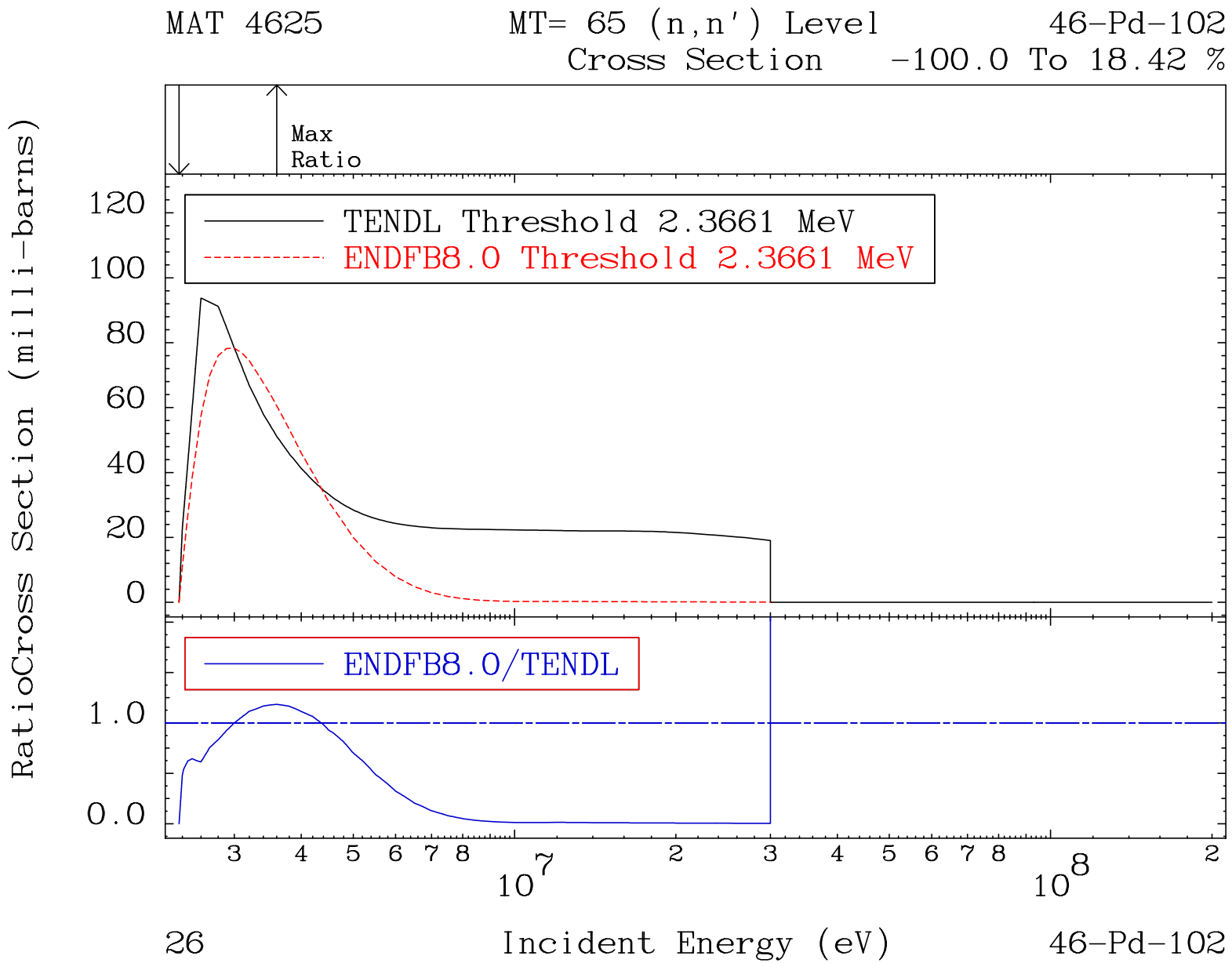

MAT 4625
MT= 60 (n,n') Level
46-Pd-102
Cross Section -31.04 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.1459 MeV
ENDFB8.0 Threshold 2.1327 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^10
10^5
10^0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
46-Pd-102

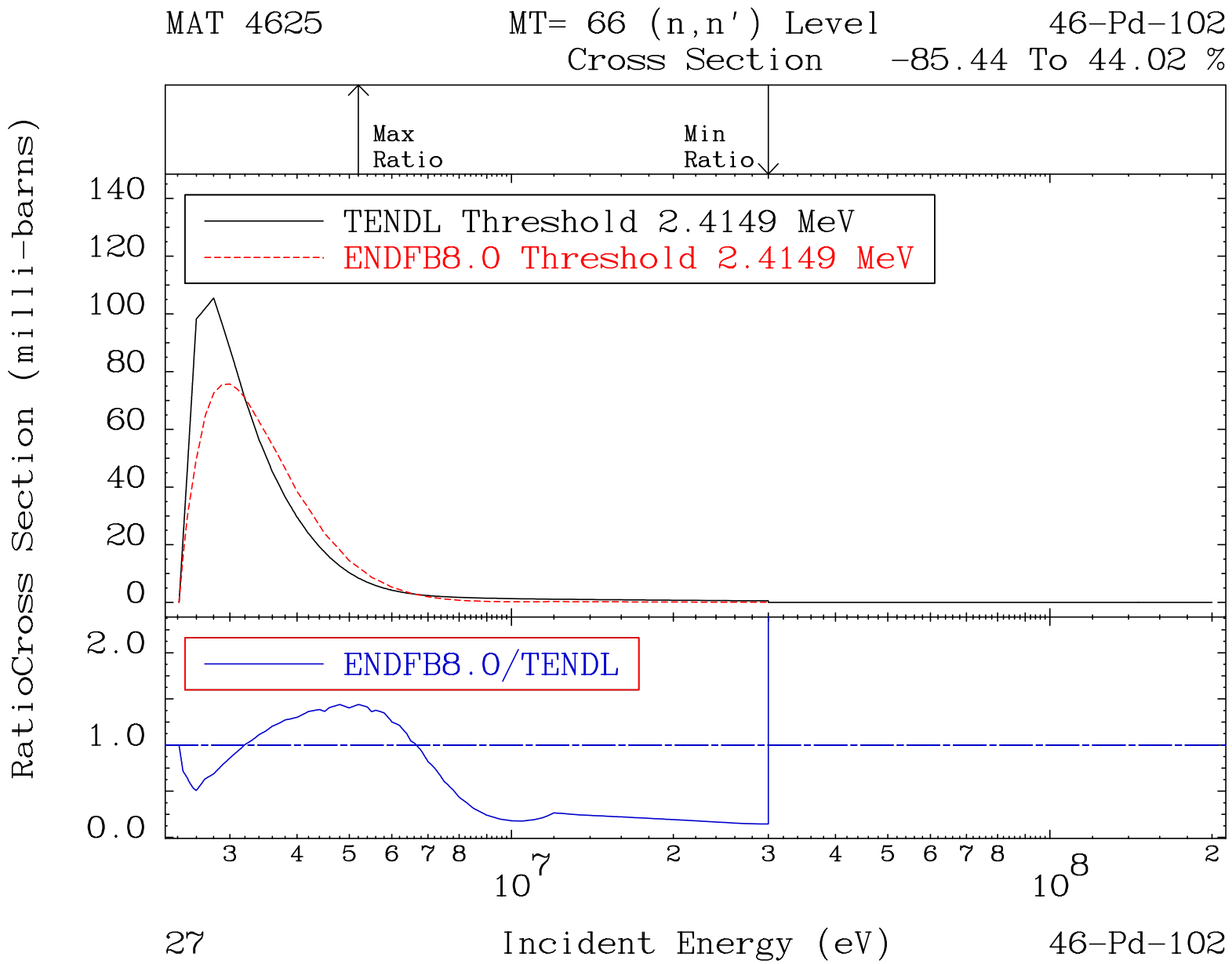

MAT 4625
MT= 61 (n,n') Level
46-Pd-102
Cross Section -100.0 To 111.7 %
Min Ratio
Max Ratio
TENDL Threshold 2.1592 MeV
ENDFB8.0 Threshold 2.1592 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
46-Pd-102

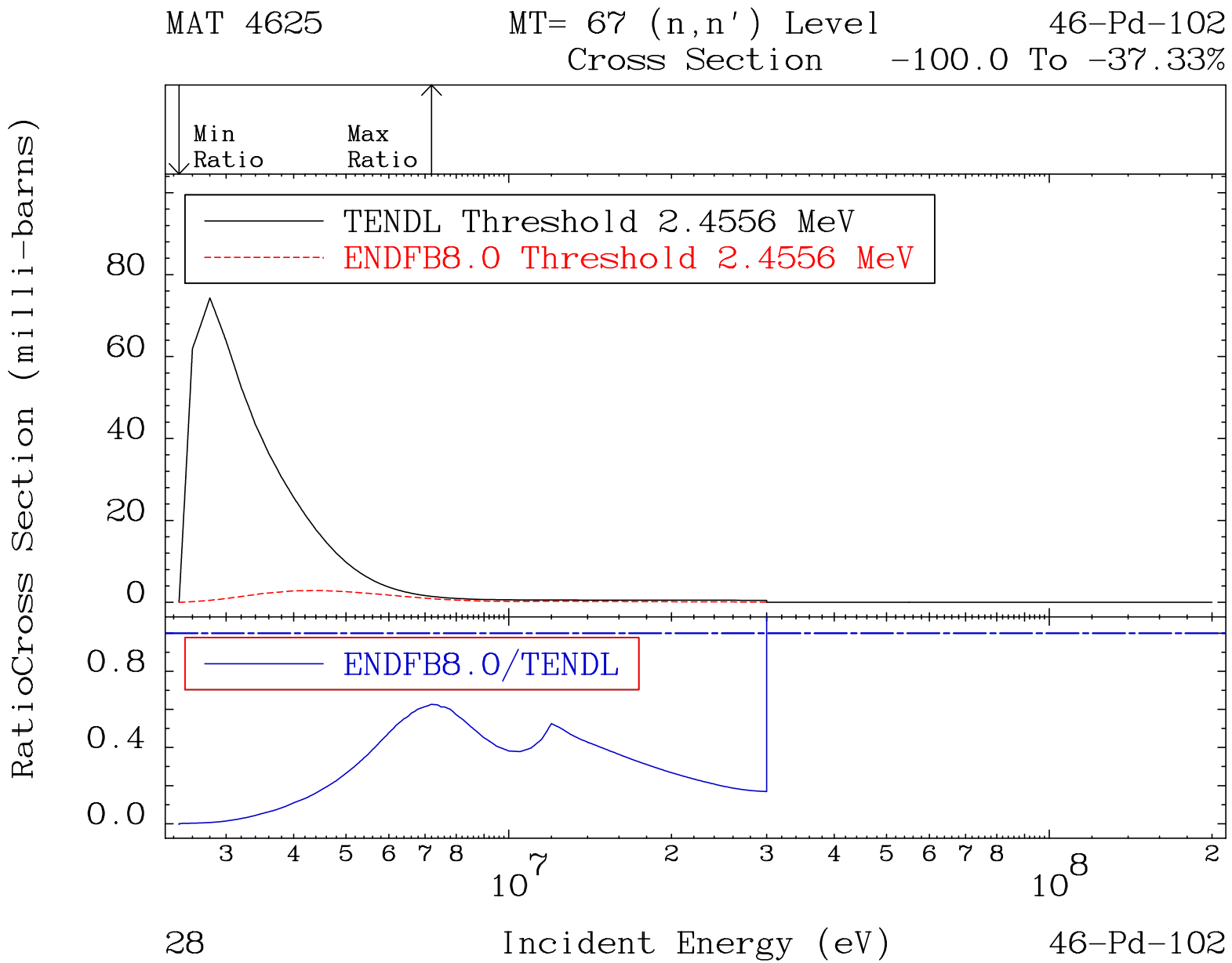

MAT 4625
MT= 62 (n,n') Level
46-Pd-102
Cross Section -72.80 To 108.6 %
Max Ratio
Min Ratio
TENDL Threshold 2.2711 MeV
ENDFB8.0 Threshold 2.2711 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
3.0
2.0
1.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
23
Incident Energy (eV)
46-Pd-102

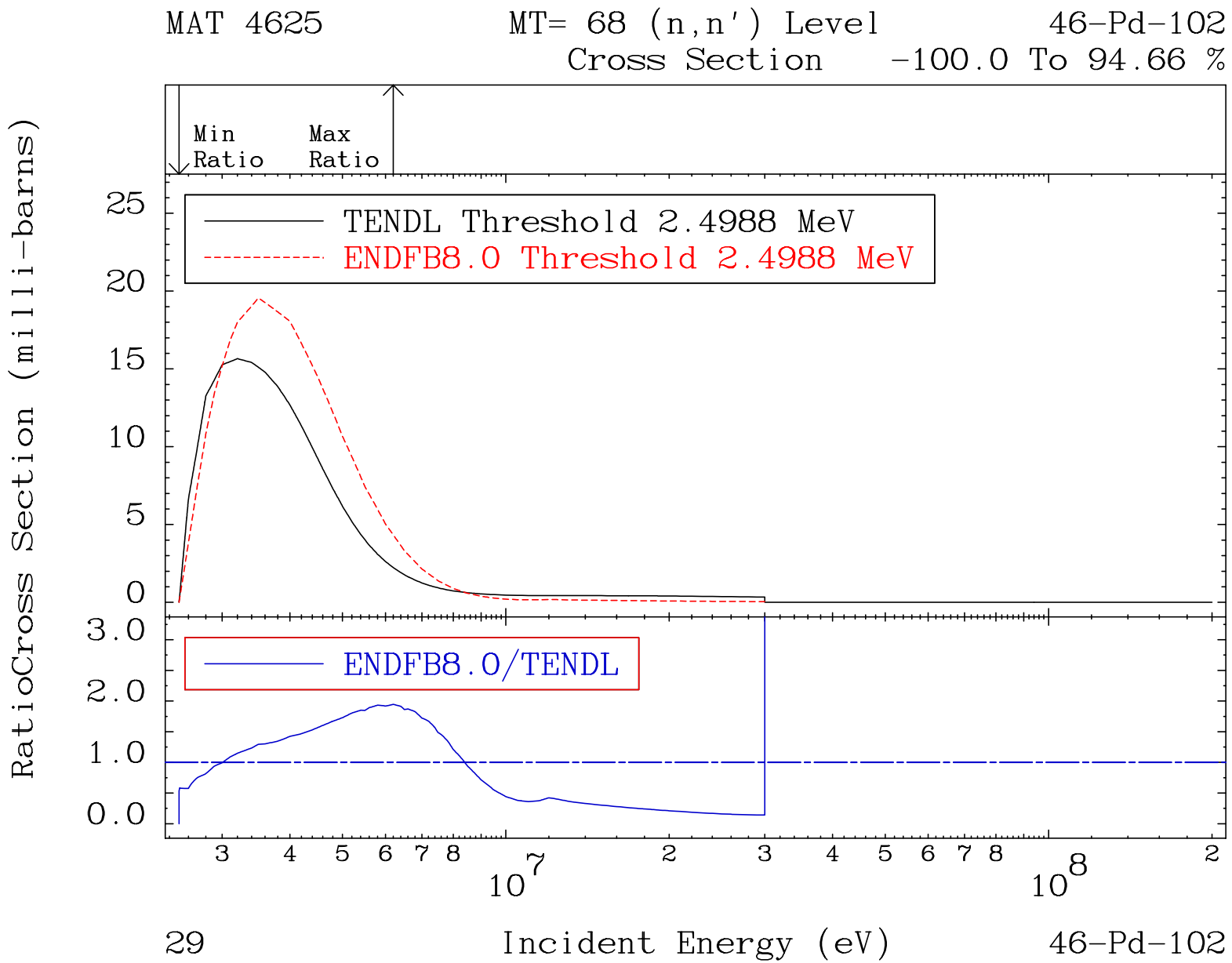

MAT 4625
MT= 63 (n,n') Level
46-Pd-102
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.3173 MeV
ENDFB8.0 Threshold 2.3173 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
10
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
24
Incident Energy (eV)
46-Pd-102

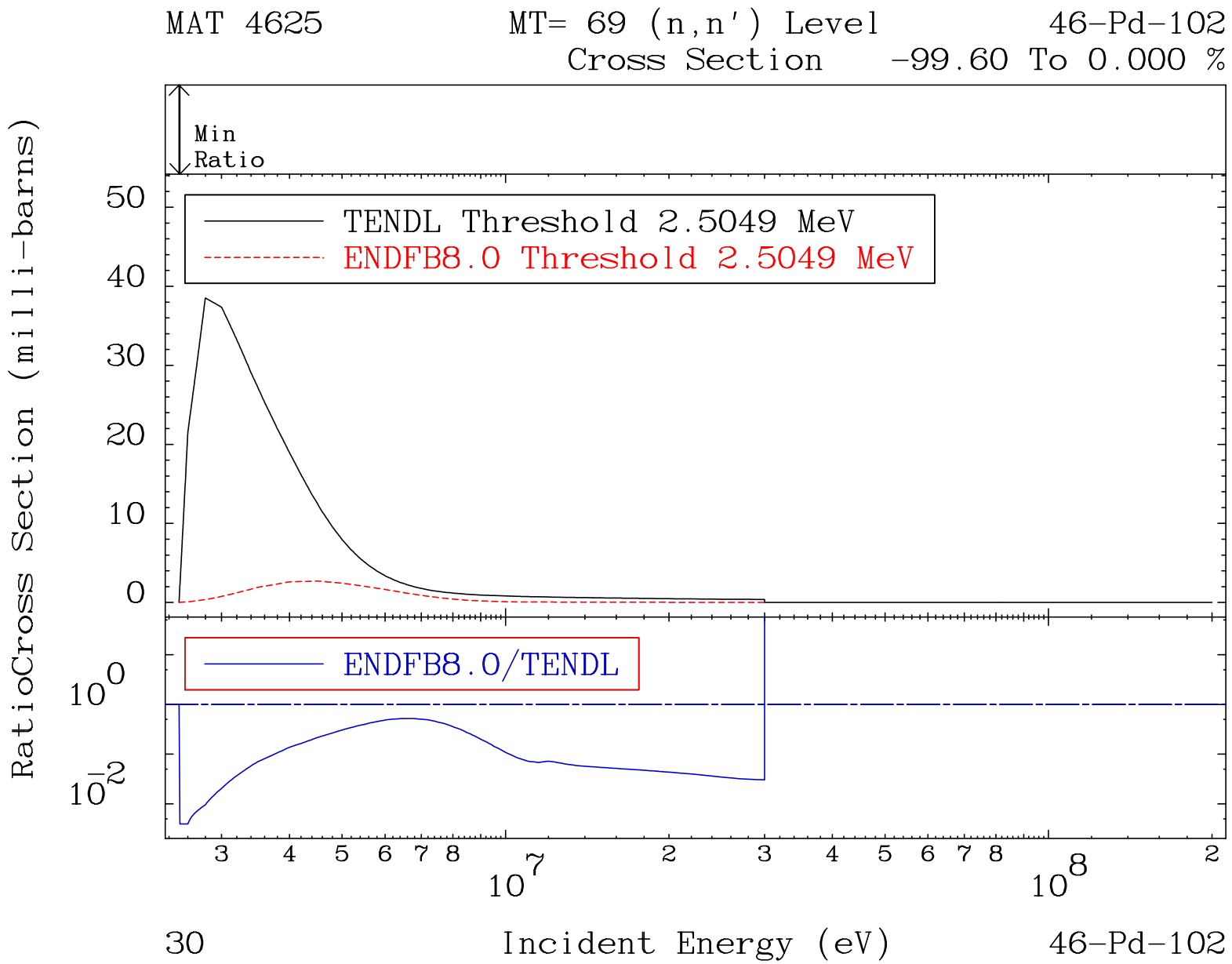

MAT 4625
MT= 64 (n,n') Level
46-Pd-102
Cross Section -100.0 To 108.6 %
Min Ratio
Max Ratio
TENDL Threshold 2.3241 MeV
ENDFB8.0 Threshold 2.3241 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
46-Pd-102

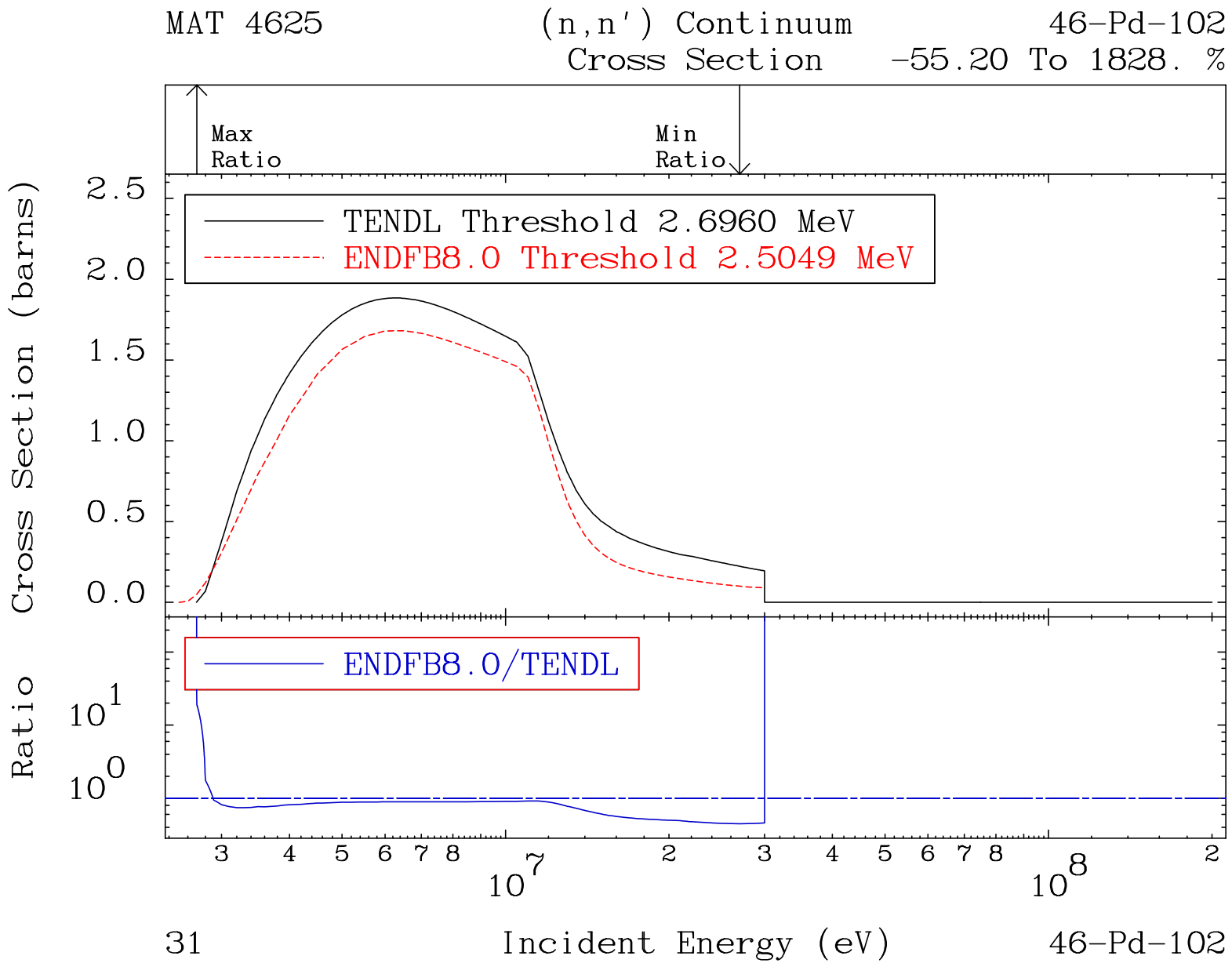

MAT 4625
MT= 65 (n,n') Level
46-Pd-102
Cross Section -100.0 To 18.42 %
Max
Ratio
TENDL Threshold 2.3661 MeV
ENDFB8.0 Threshold 2.3661 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
46-Pd-102

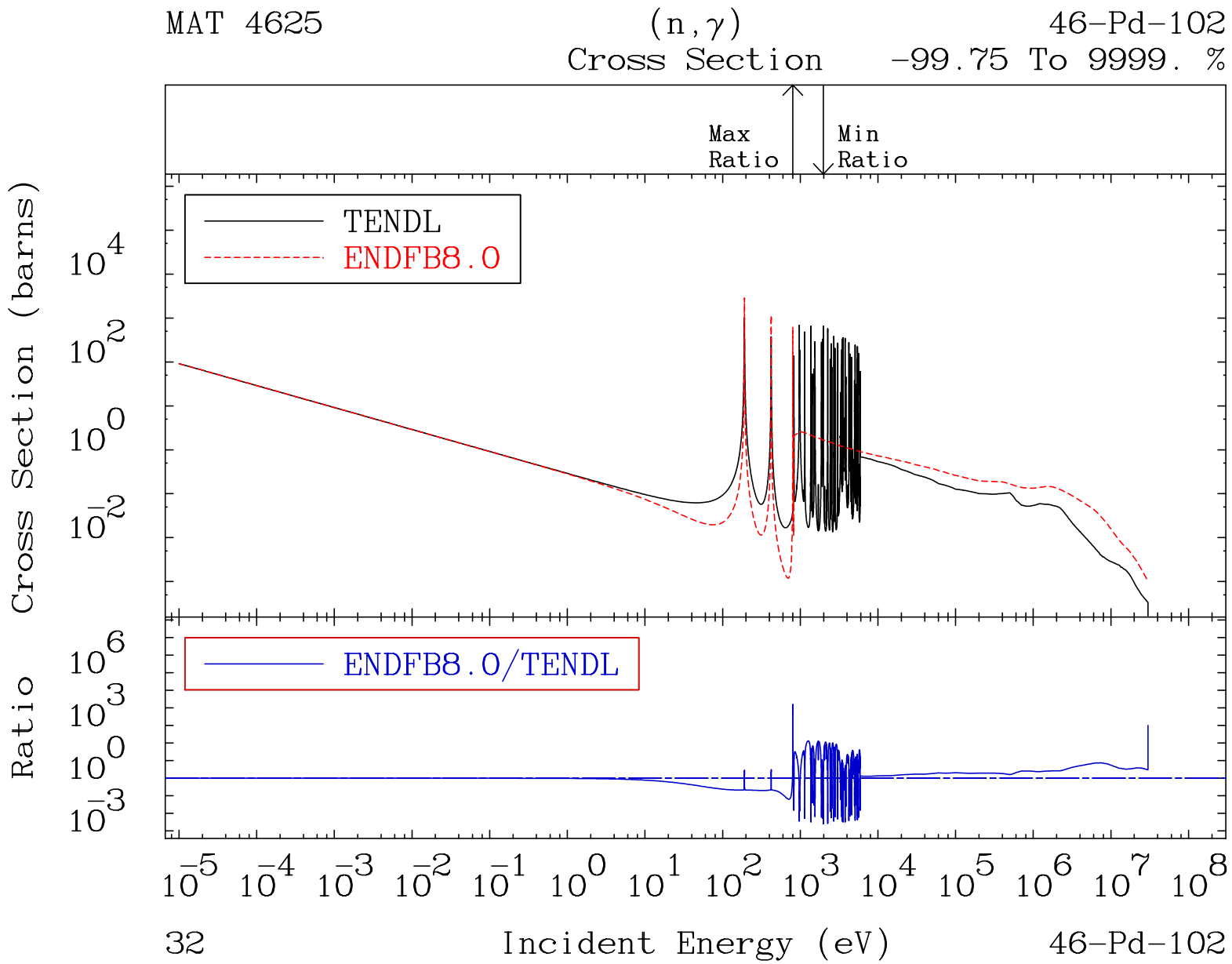

MAT 4625
MT= 66 (n,n') Level
46-Pd-102
Cross Section -85.44 To 44.02 %
Max Ratio
Min Ratio
TENDL Threshold 2.4149 MeV
ENDFB8.0 Threshold 2.4149 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
46-Pd-102

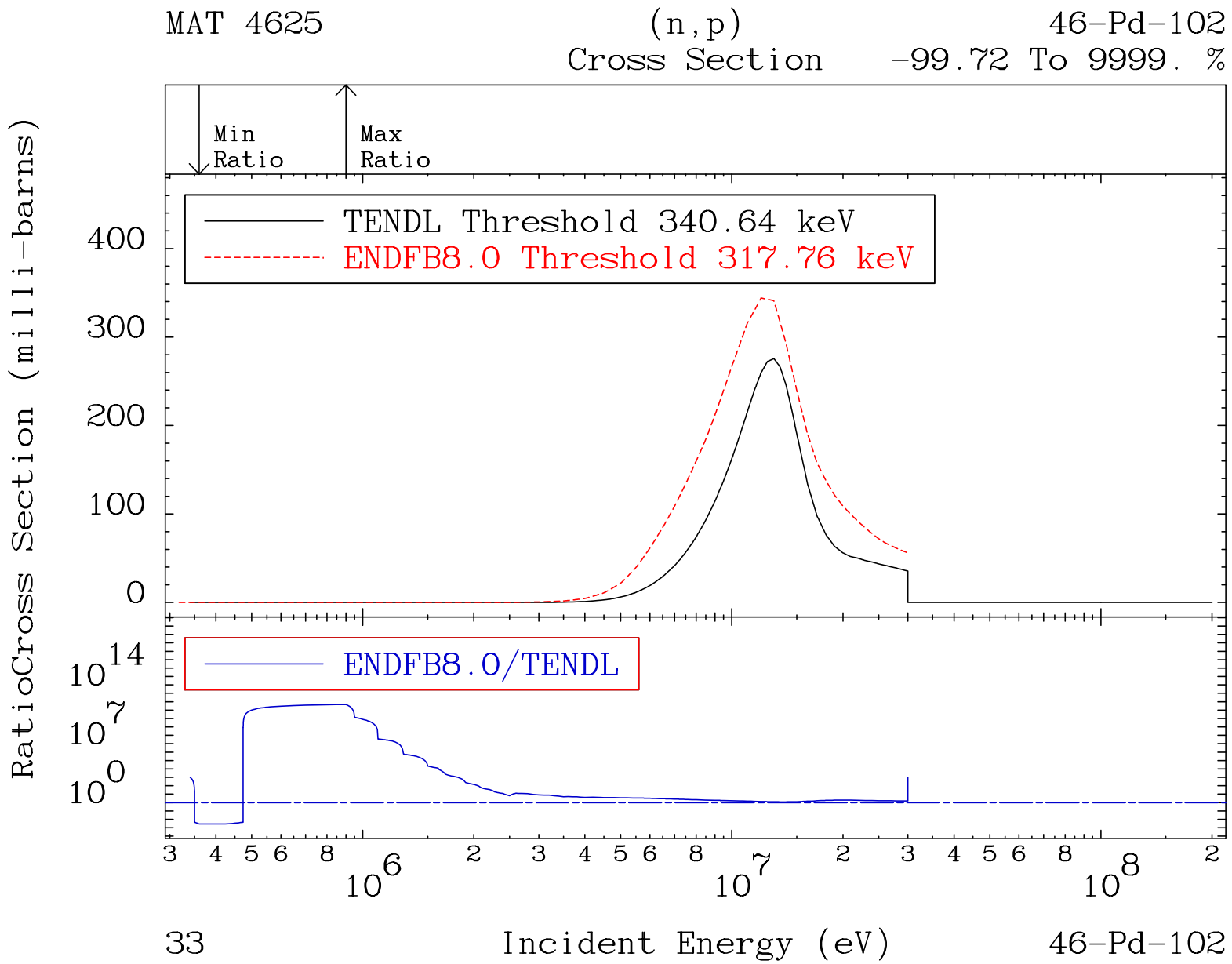

MAT 4625
MT= 67 (n,n') Level
46-Pd-102
Cross Section -100.0 To -37.33%
Min Ratio
Max Ratio
TENDL Threshold 2.4556 MeV
ENDFB8.0 Threshold 2.4556 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
0.8
0.4
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
28
Incident Energy (eV)
46-Pd-102

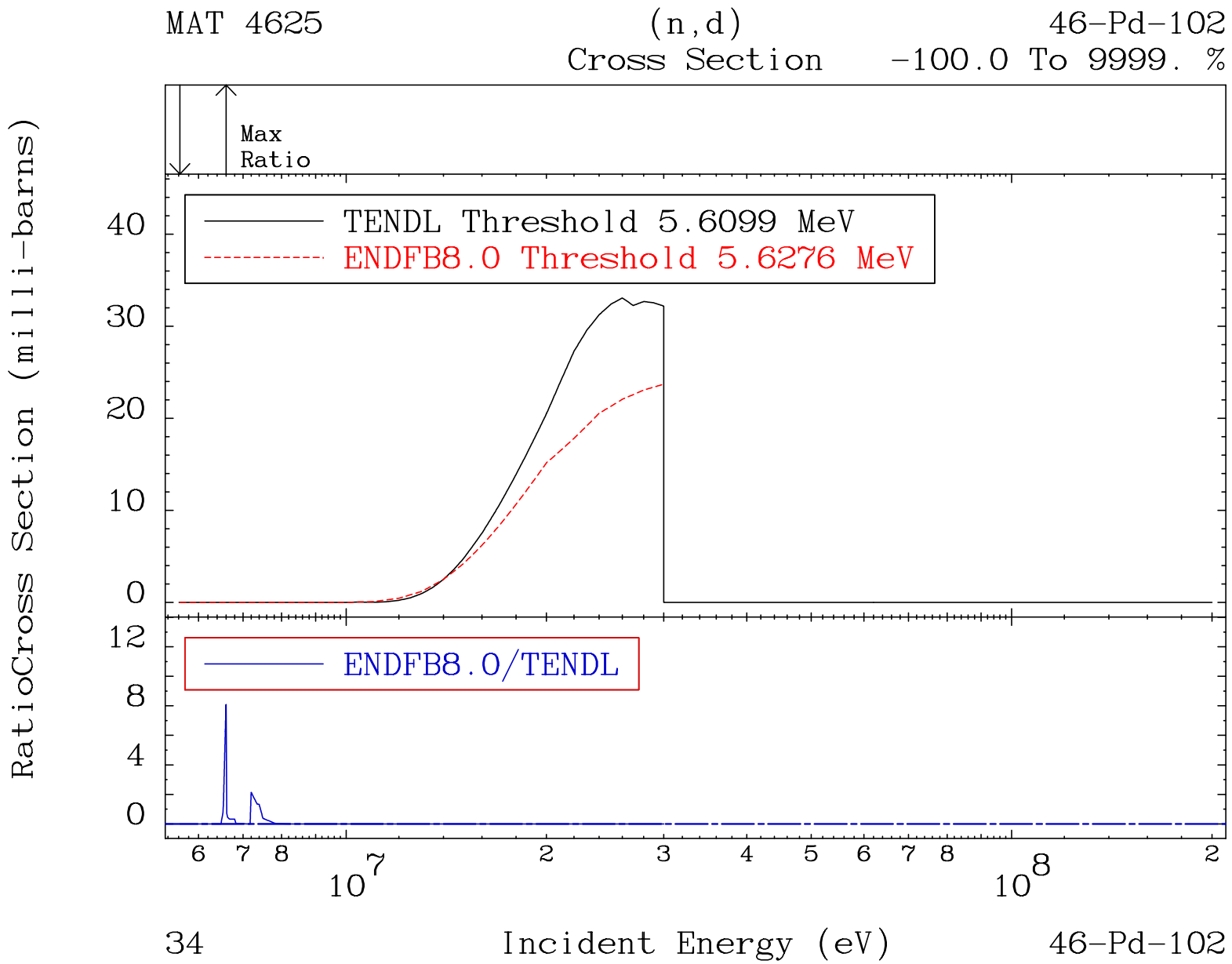

MAT 4625
MT= 68 (n,n') Level
46-Pd-102
Cross Section -100.0 To 94.66 %
Min Ratio
Max Ratio
TENDL Threshold 2.4988 MeV
ENDFB8.0 Threshold 2.4988 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
29
Incident Energy (eV)
46-Pd-102

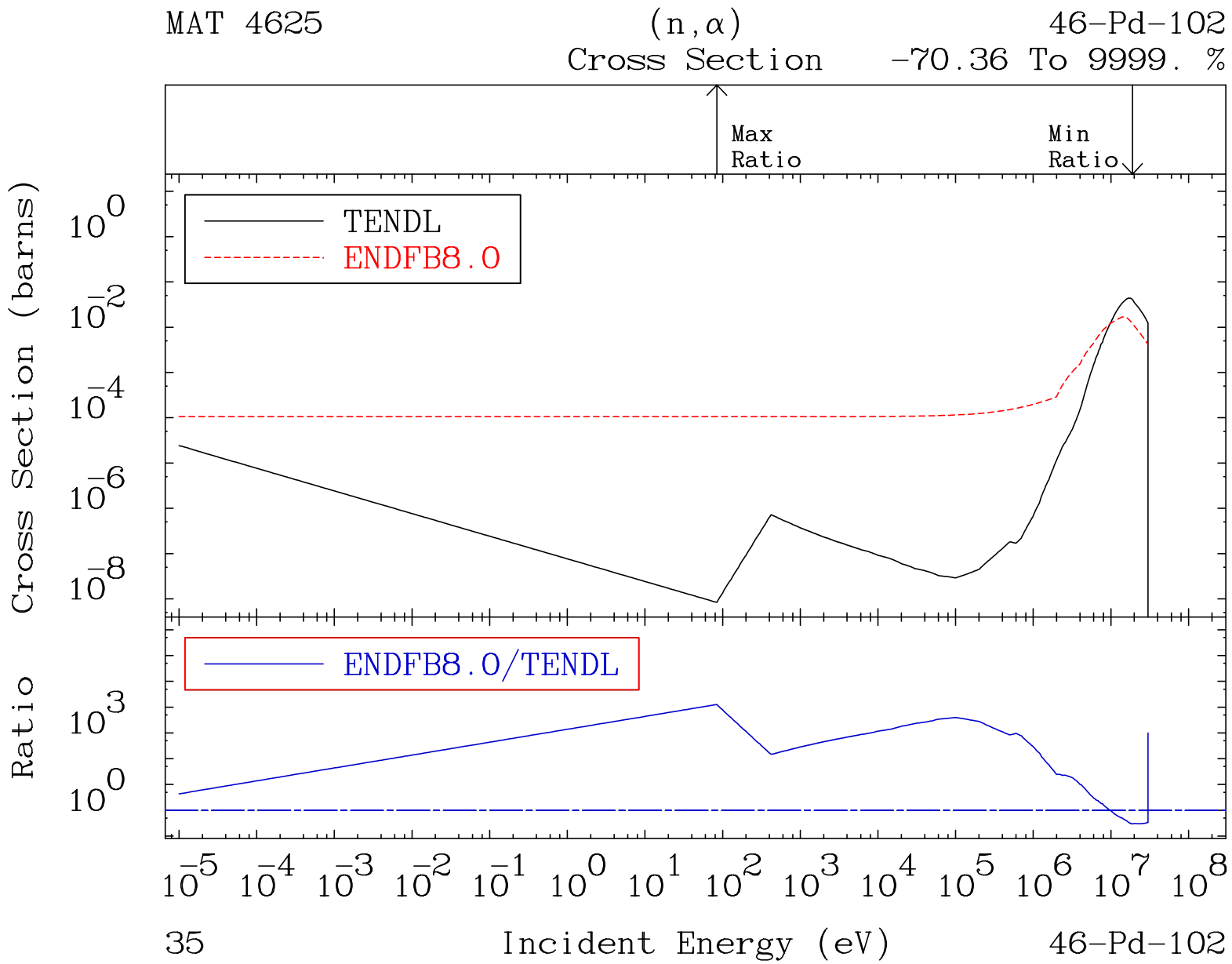

MAT 4625
MT= 69 (n,n') Level
46-Pd-102
Cross Section
-99.60 To 0.000 %
Min
Ratio
TENDL Threshold 2.5049 MeV
ENDFB8.0 Threshold 2.5049 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
$10^{0}$
$10^{-2}$
3 4 5 6 7 8 $10^{7}$ 2 3 4 5 6 7 8 $10^{8}$ 2
30
Incident Energy (eV)
46-Pd-102

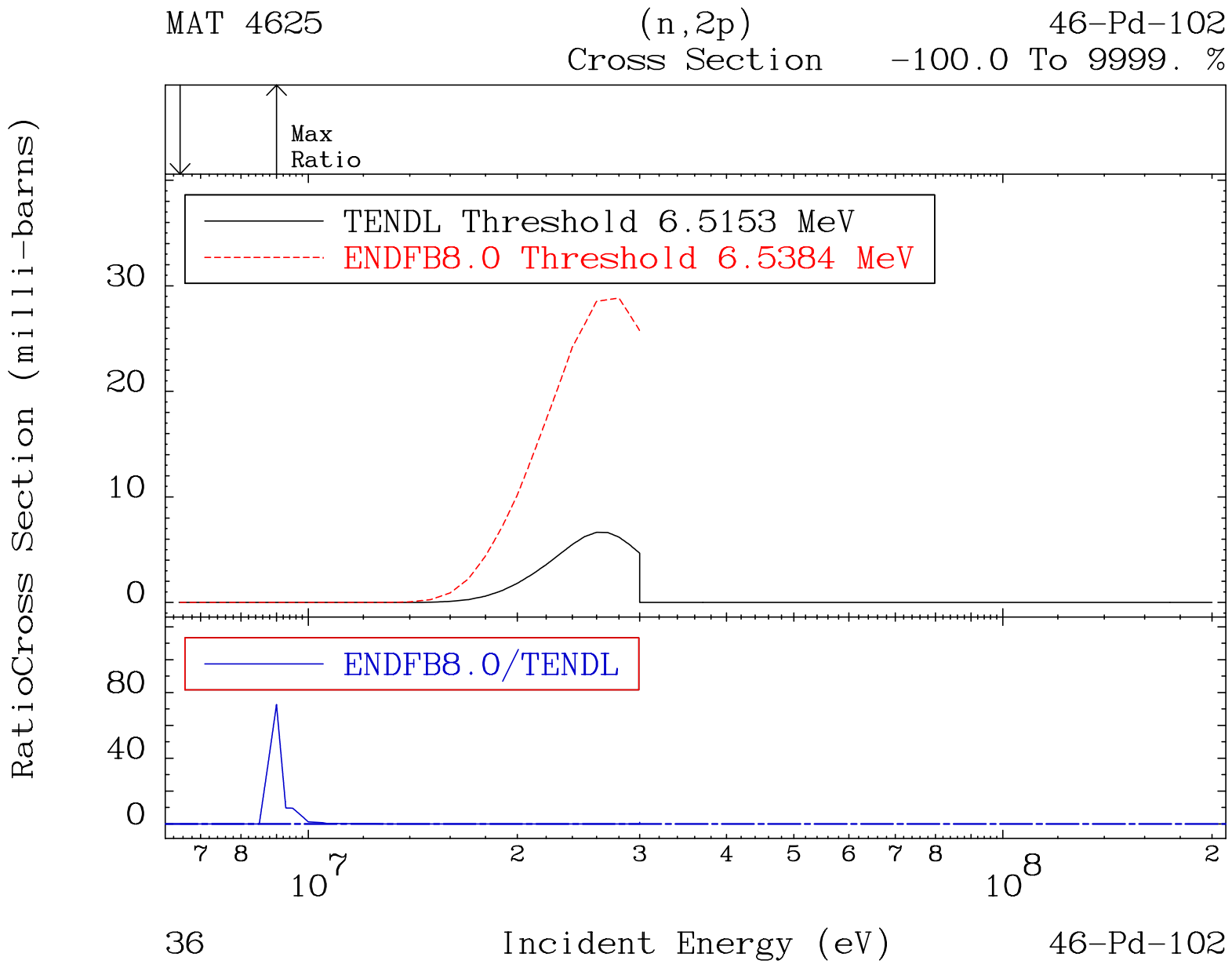

MAT 4625
(n,n') Continuum
Cross Section
46-Pd-102
-55.20 To 1828. %
Max Ratio
Min Ratio
TENDL Threshold 2.6960 MeV
ENDFB8.0 Threshold 2.5049 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
10^1
10^0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
31
Incident Energy (eV)
46-Pd-102

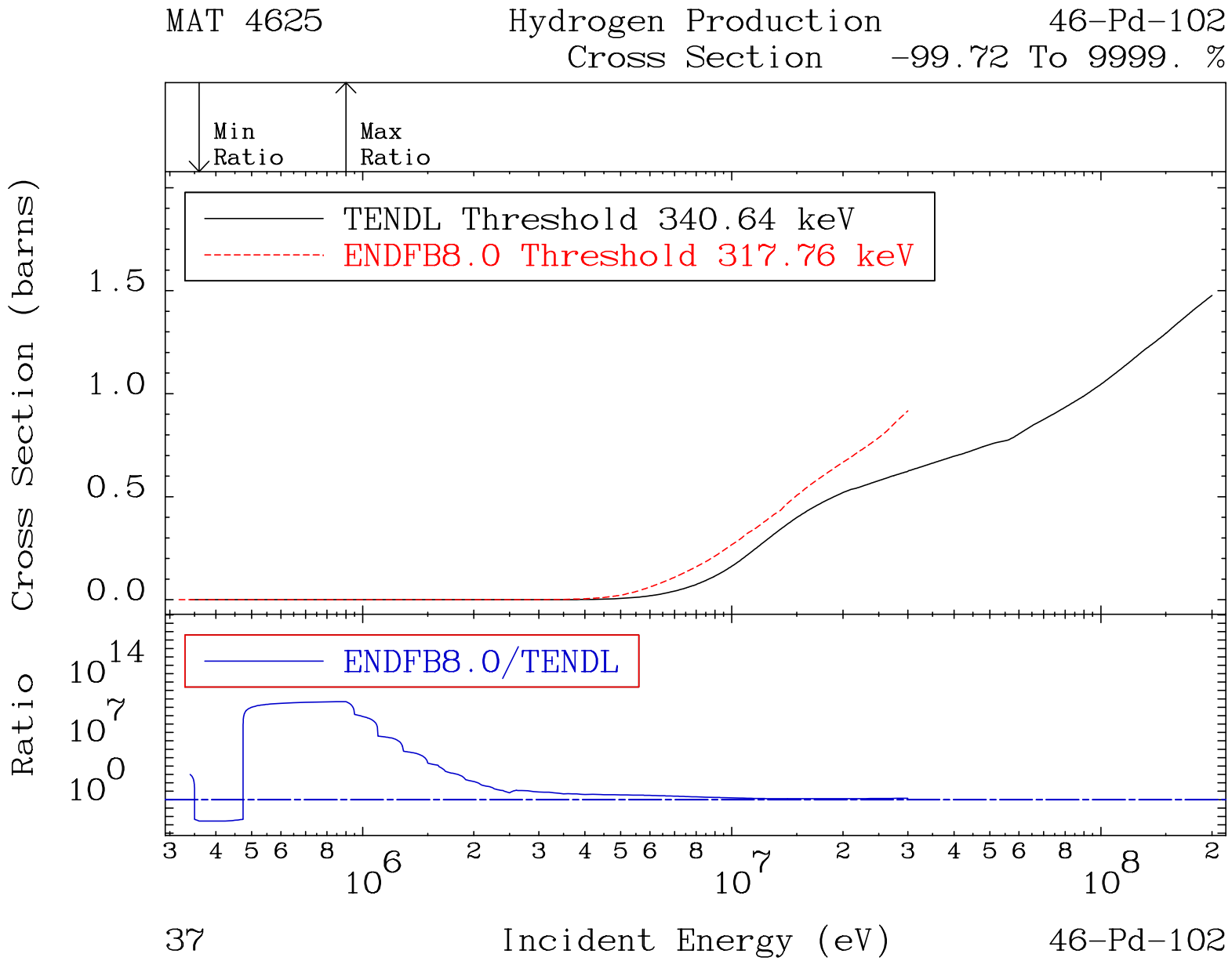

MAT 4625
(n,γ)
Cross Section
46-Pd-102
-99.75 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
32
46-Pd-102

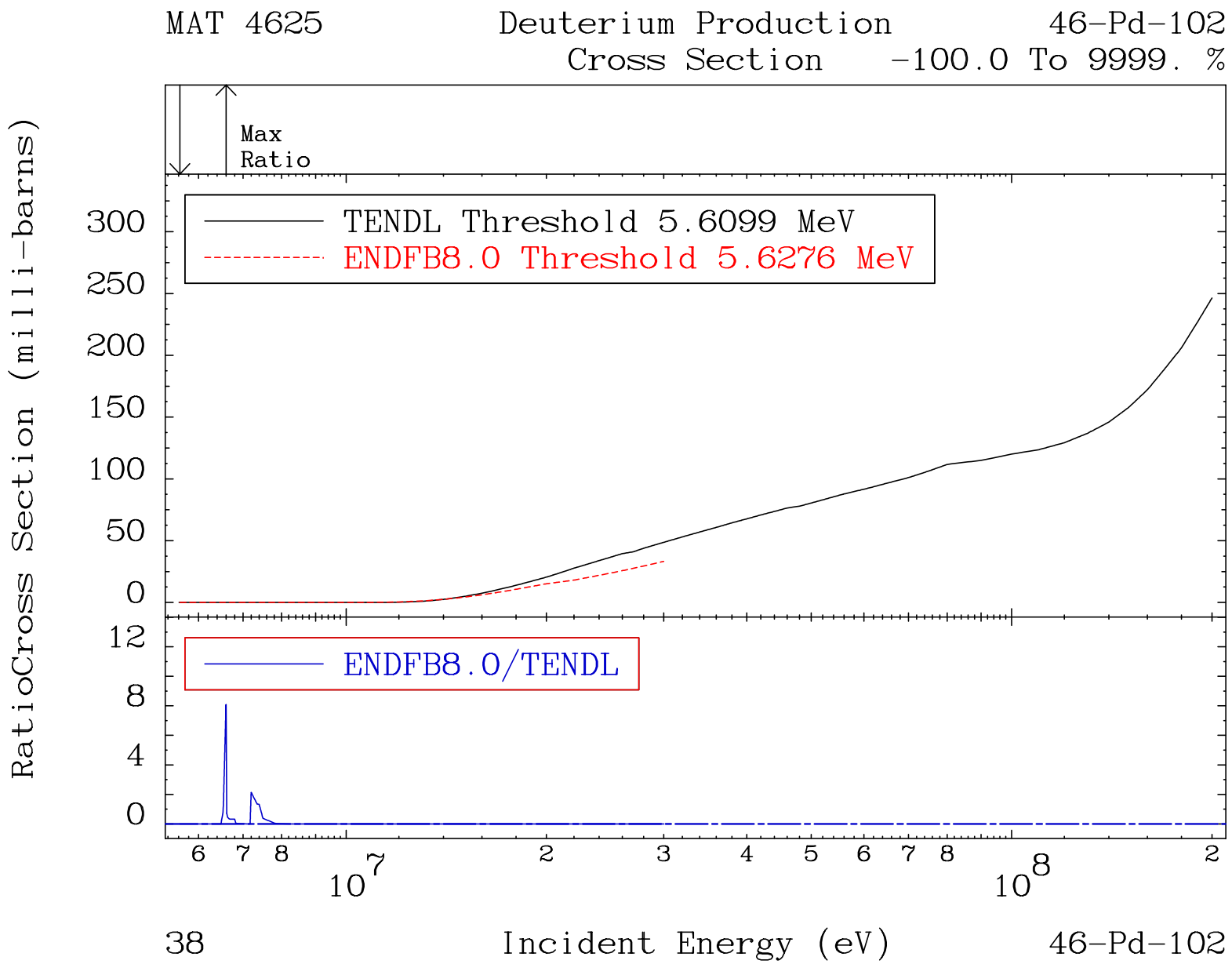

MAT 4625
(n,p)
46-Pd-102
Cross Section
-99.72 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 340.64 keV
ENDFB8.0 Threshold 317.76 keV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
$10^{14}$
$10^{7}$
$10^{0}$
3 4 5 6 8 $10^{6}$ 2 3 4 5 6 8 $10^{7}$ 2 3 4 5 6 8 $10^{8}$ 2
33
Incident Energy (eV)
46-Pd-102

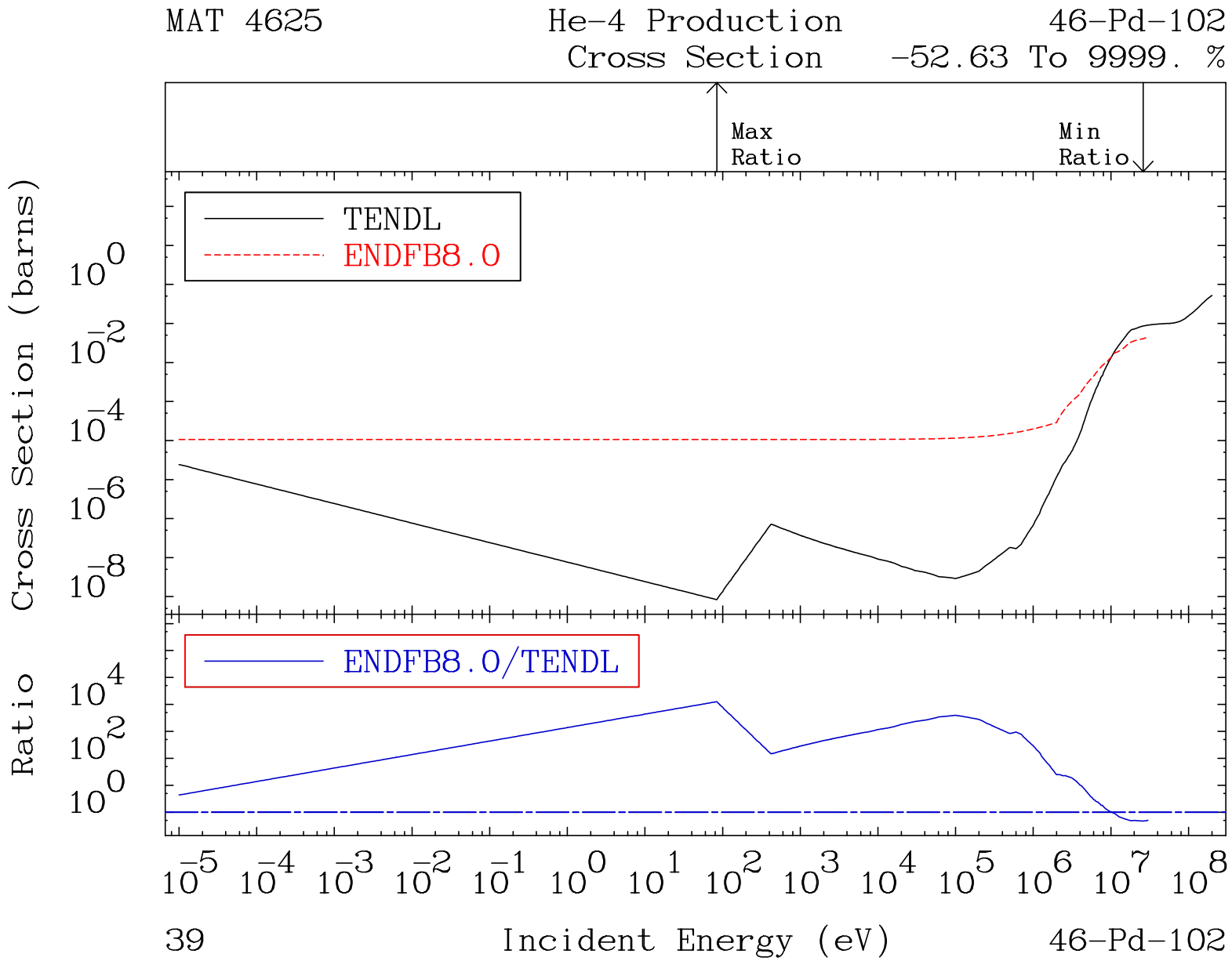

MAT 4625
(n,d)
46-Pd-102
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.6099 MeV
ENDFB8.0 Threshold 5.6276 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
12
8
4
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
46-Pd-102

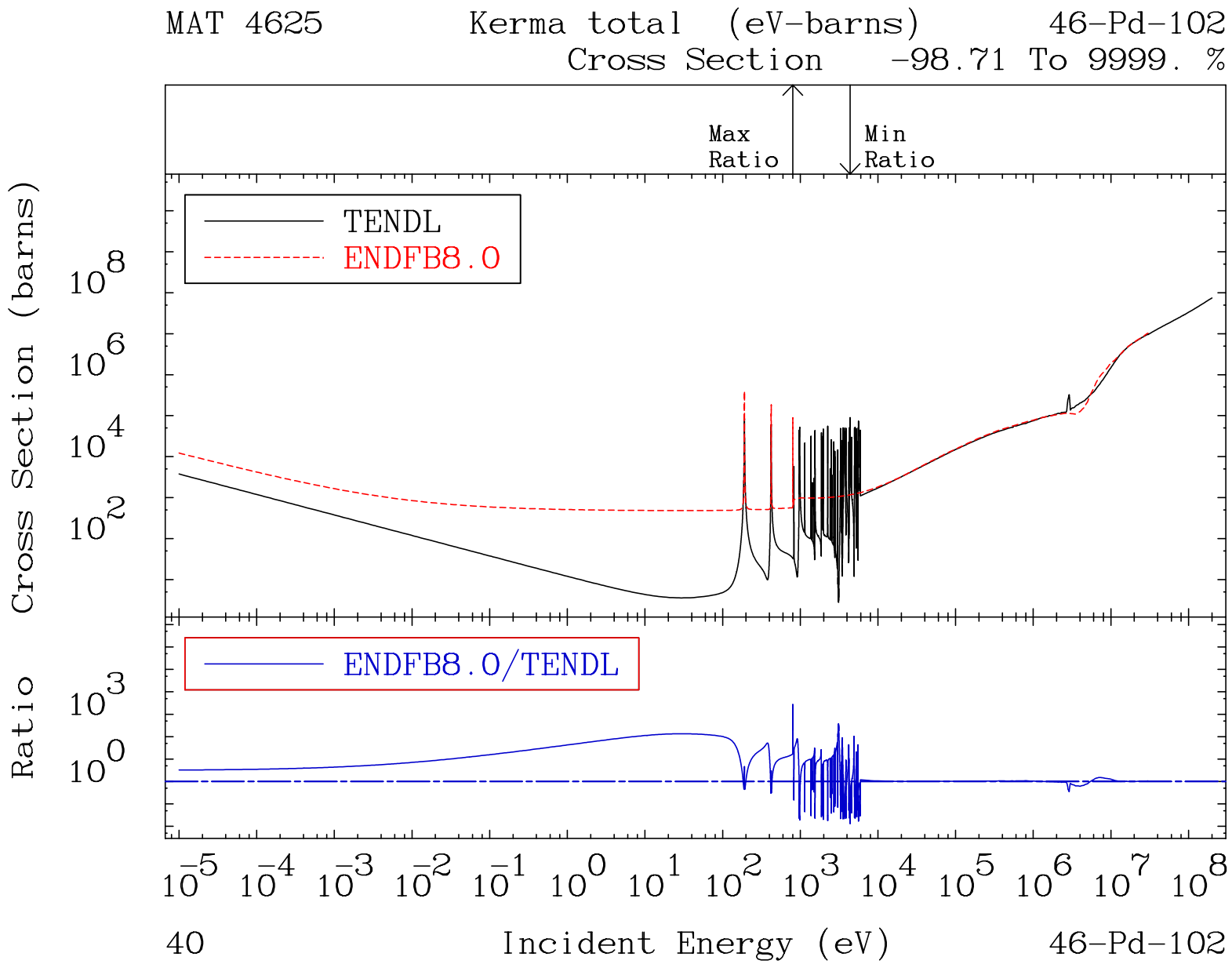

MAT 4625
(n,α)
Cross Section
46-Pd-102
-70.36 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
35
46-Pd-102

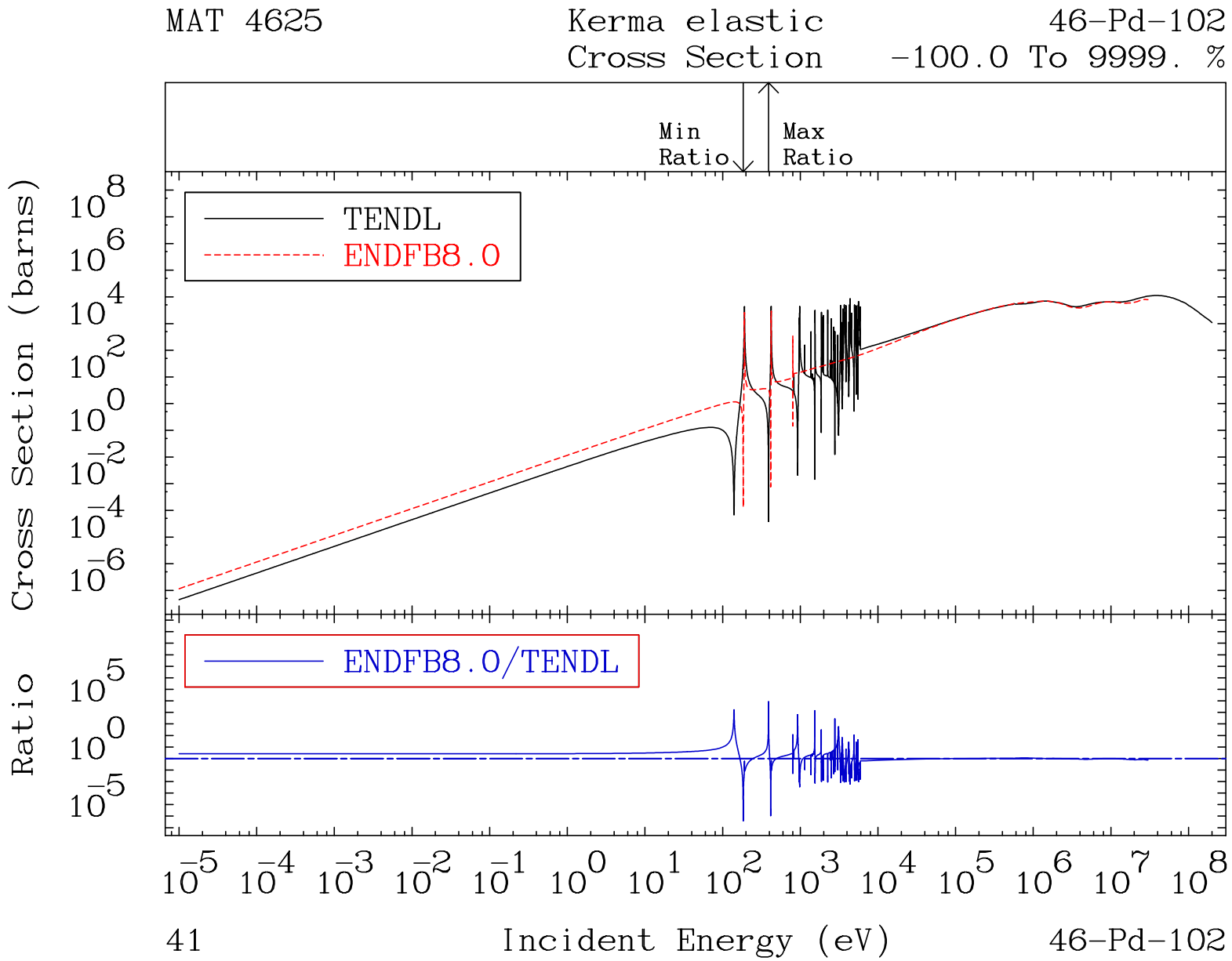

MAT 4625
(n,2p)
46-Pd-102
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.5153 MeV
ENDFB8.0 Threshold 6.5384 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
80
40
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
36
Incident Energy (eV)
46-Pd-102

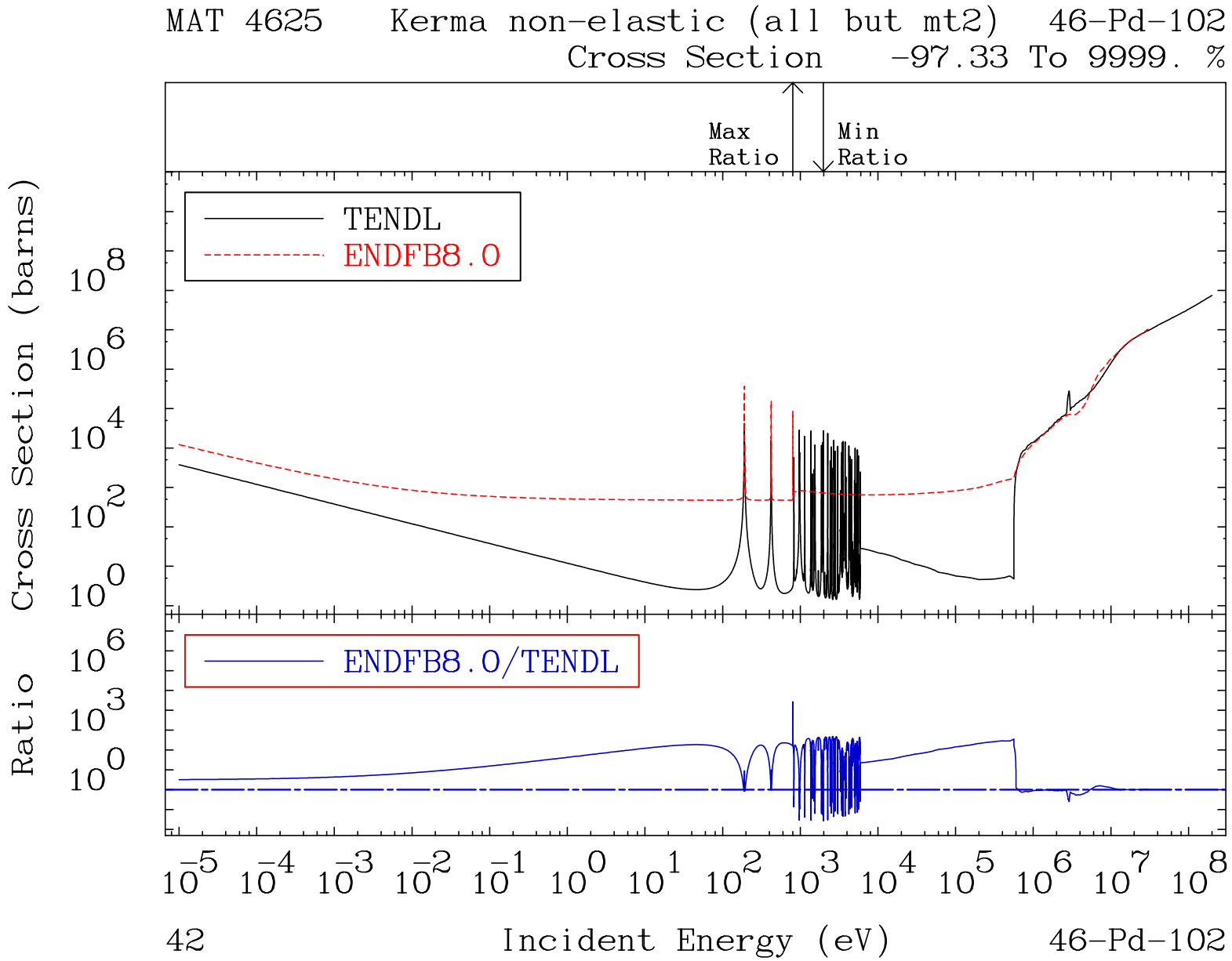

MAT 4625
Hydrogen Production
46-Pd-102
Cross Section
-99.72 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 340.64 keV
ENDFB8.0 Threshold 317.76 keV
Cross Section (barns)
1.5
1.0
0.5
0.0
ENDFB8.0/TENDL
Ratio
$10^{14}$
$10^{7}$
$10^{0}$
3 4 5 6 8 $10^{6}$ 2 3 4 5 6 8 $10^{7}$ 2 3 4 5 6 8 $10^{8}$ 2
37
Incident Energy (eV)
46-Pd-102

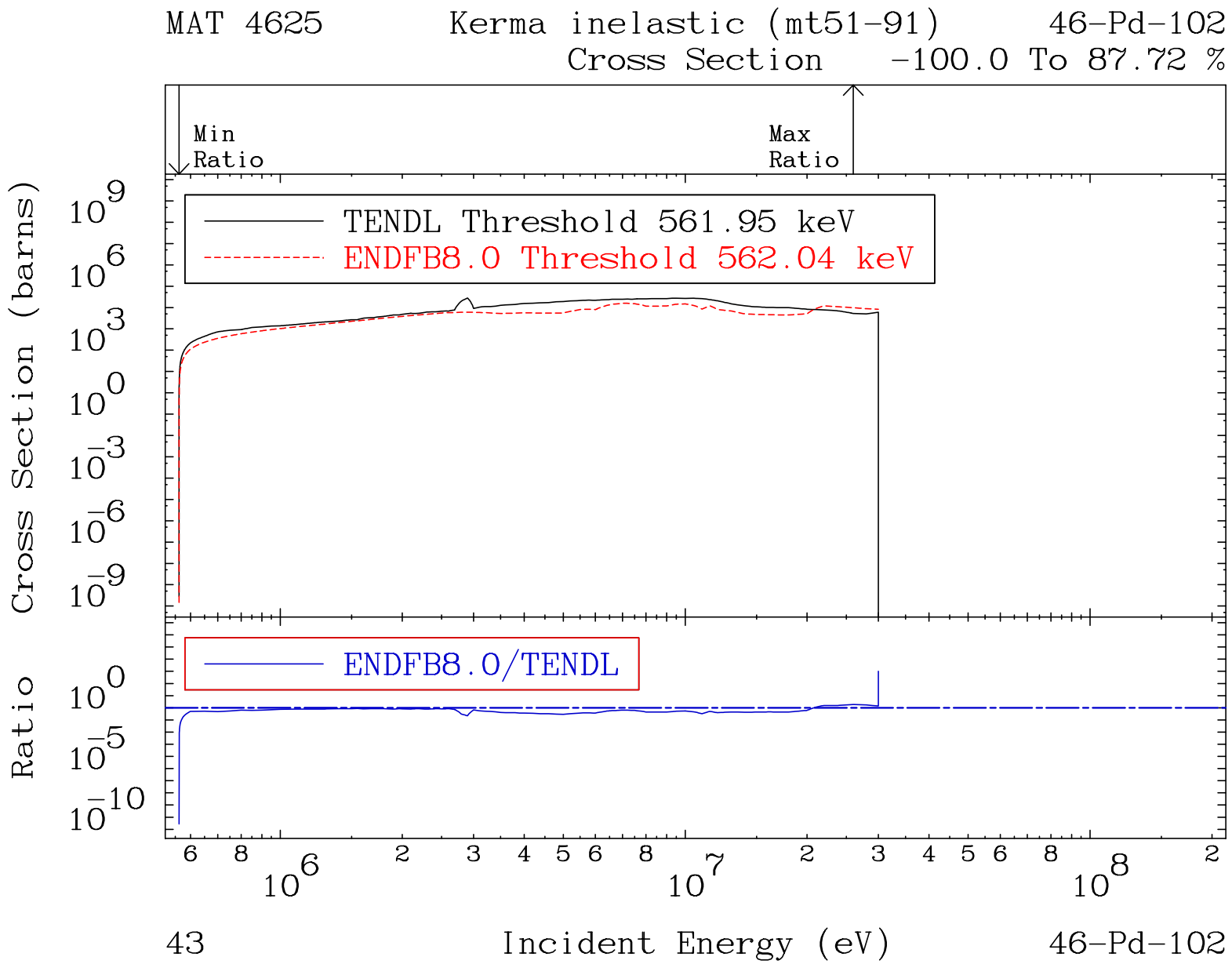

MAT 4625
Deuterium Production
46-Pd-102
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.6099 MeV
ENDFB8.0 Threshold 5.6276 MeV
ENDFB8.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
12
8
4
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
38
Incident Energy (eV)
46-Pd-102

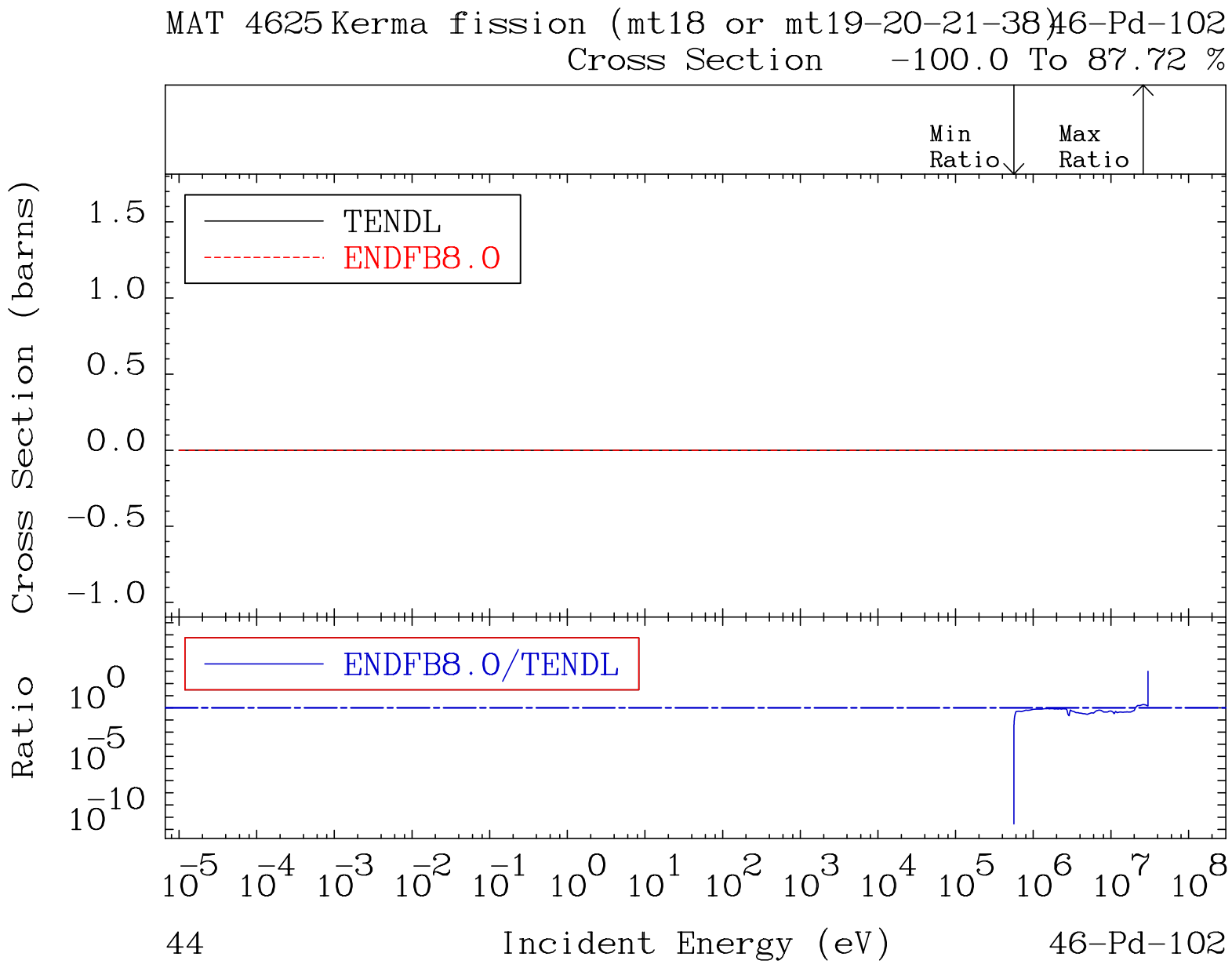

MAT 4625
He-4 Production
Cross Section
46-Pd-102
-52.63 To 9999. %
Max
Ratio
Min
Ratio
TENDL
ENDFB8.0
Cross Section (barns)
ENDFB8.0/TENDL
Ratio
Incident Energy (eV)
39
46-Pd-102

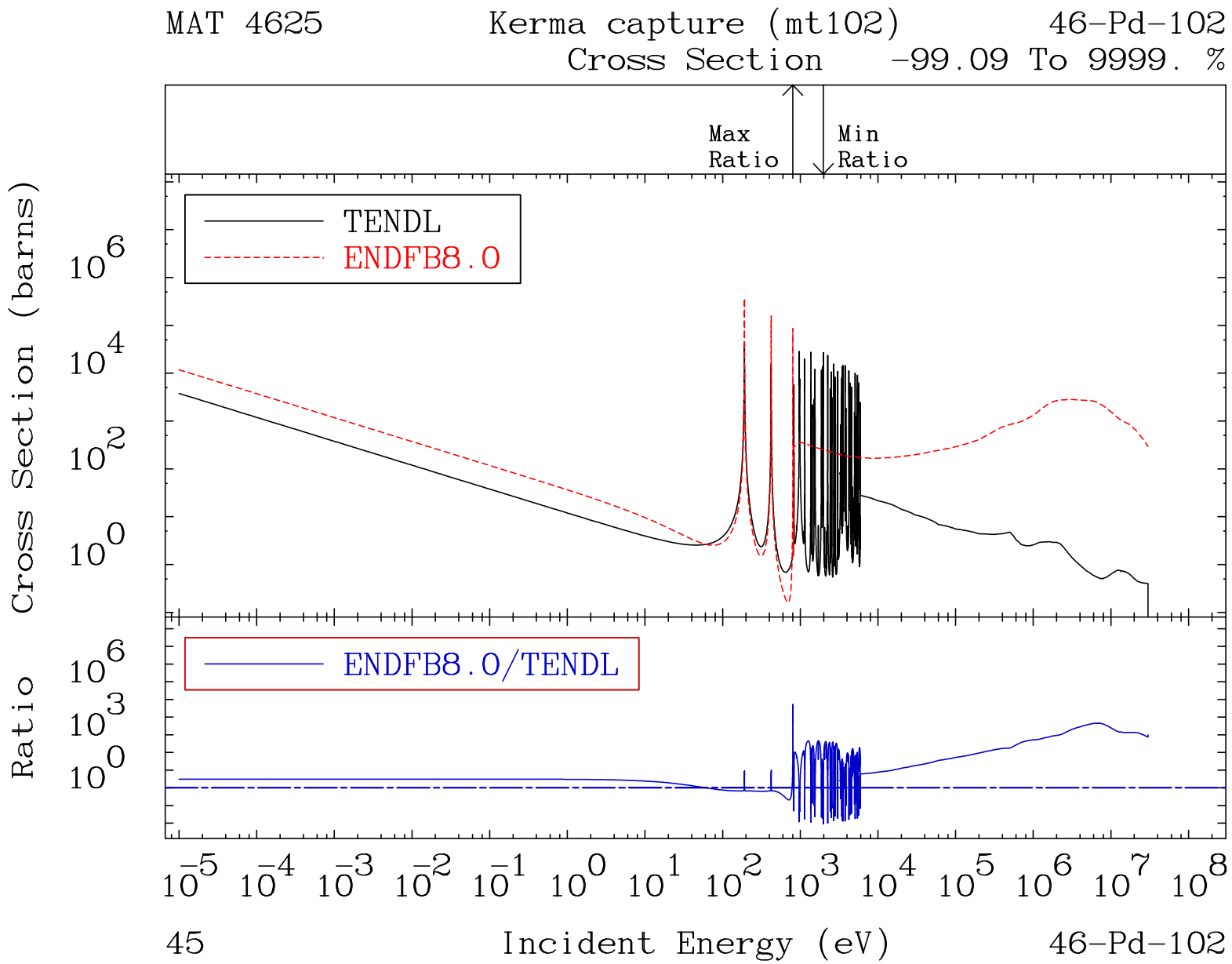

MAT 4625
Kerma total (eV-barns)
46-Pd-102
Cross Section -98.71 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
40
46-Pd-102

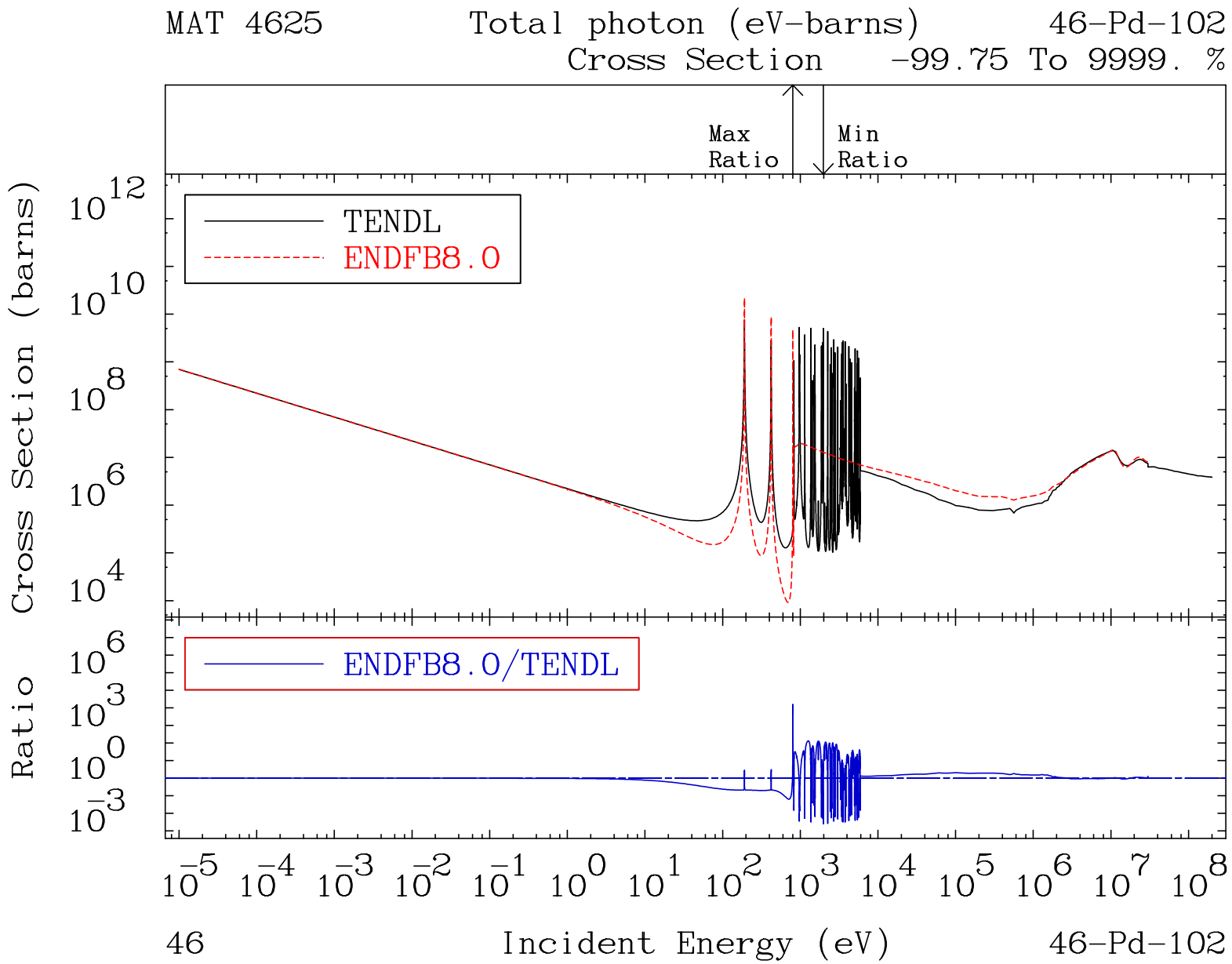

MAT 4625
Kerma elastic
Cross Section
46-Pd-102
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
46-Pd-102

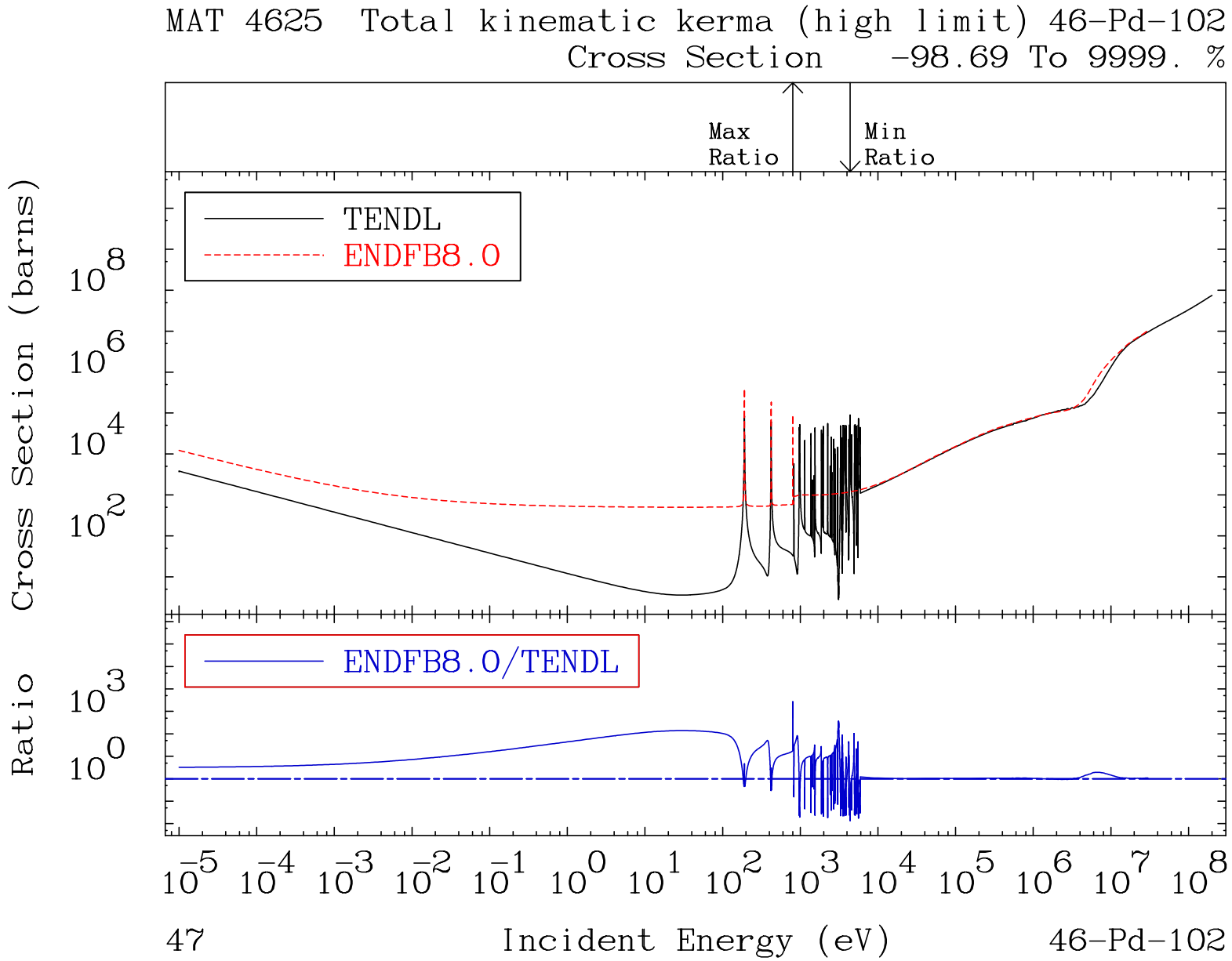

MAT 4625 Kerma non-elastic (all but mt2) 46-Pd-102
Cross Section -97.33 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
46-Pd-102

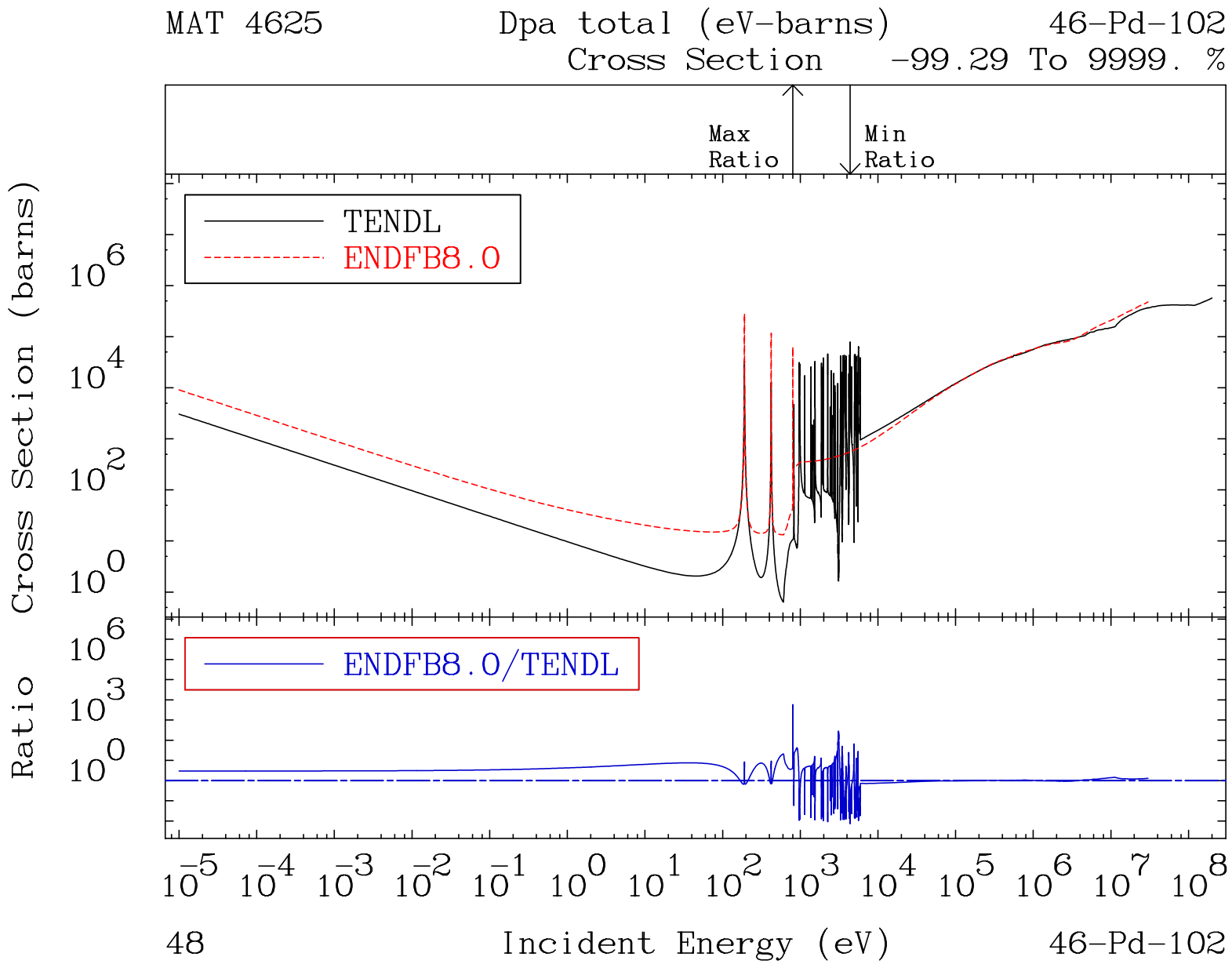

MAT 4625
Kerma inelastic (mt51-91)
46-Pd-102
Cross Section
-100.0 To 87.72 %
Min Ratio
Max Ratio
TENDL Threshold 561.95 keV
ENDFB8.0 Threshold 562.04 keV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
46-Pd-102

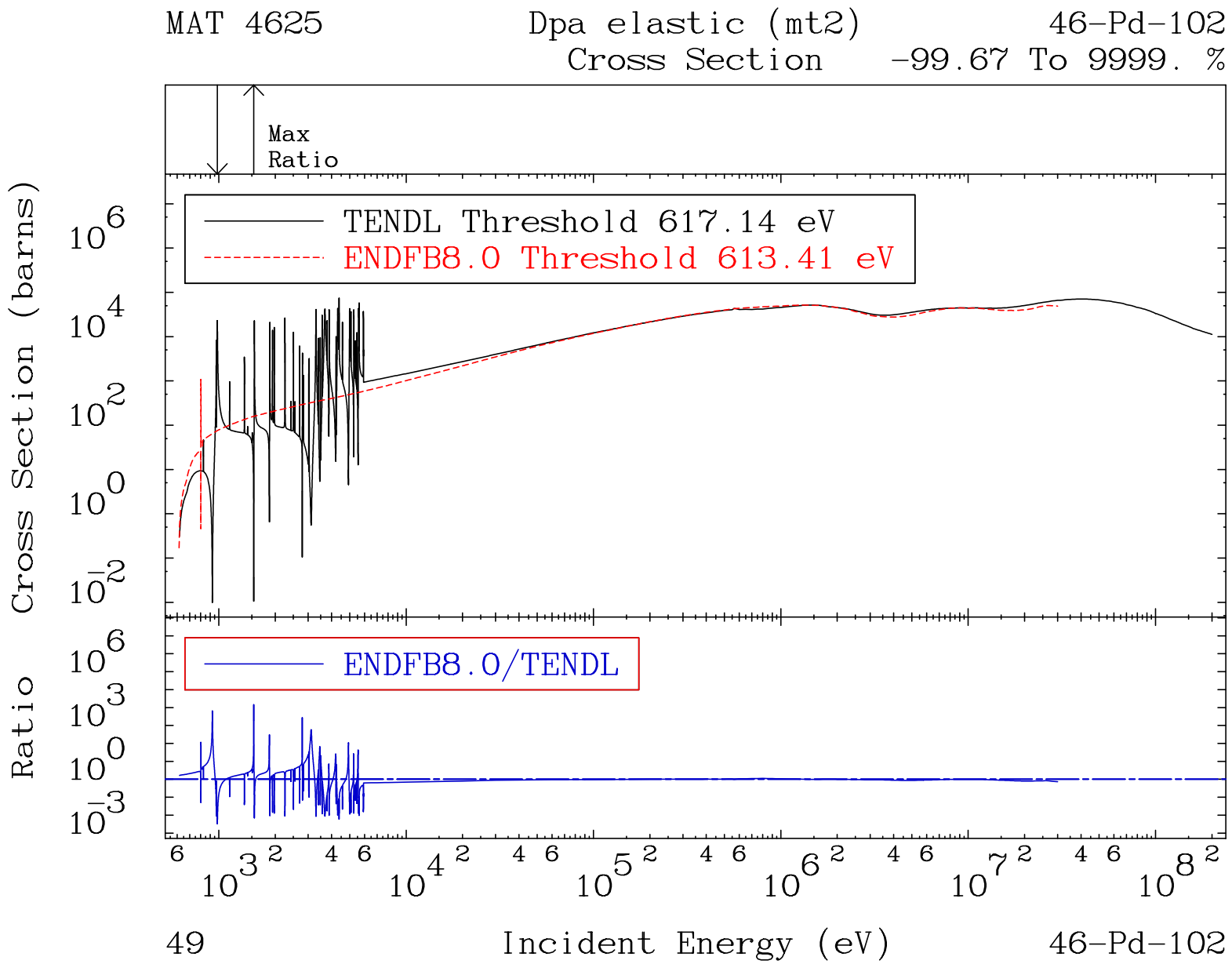

MAT 4625 Kerma fission (mt18 or mt19-20-21-38) 46-Pd-102
Cross Section -100.0 To 87.72 %
Min Ratio
Max Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
$10^{0}$
$10^{-5}$
$10^{-10}$
$10^{-5}$ $10^{-4}$ $10^{-3}$ $10^{-2}$ $10^{-1}$ $10^{0}$ $10^{1}$ $10^{2}$ $10^{3}$ $10^{4}$ $10^{5}$ $10^{6}$ $10^{7}$ $10^{8}$
44
Incident Energy (eV)
46-Pd-102

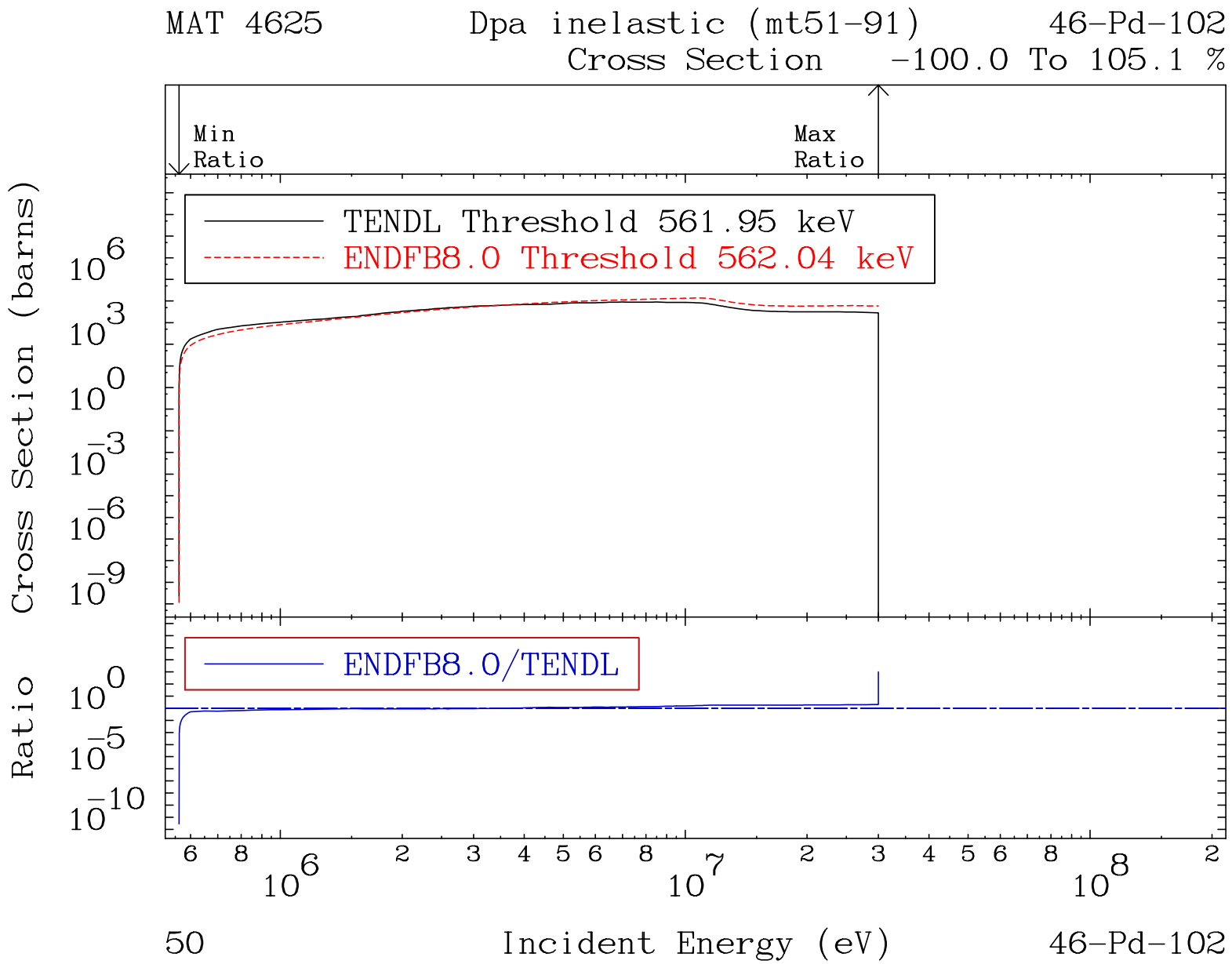

MAT 4625
Kerma capture (mt102)
46-Pd-102
Cross Section -99.09 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
46-Pd-102

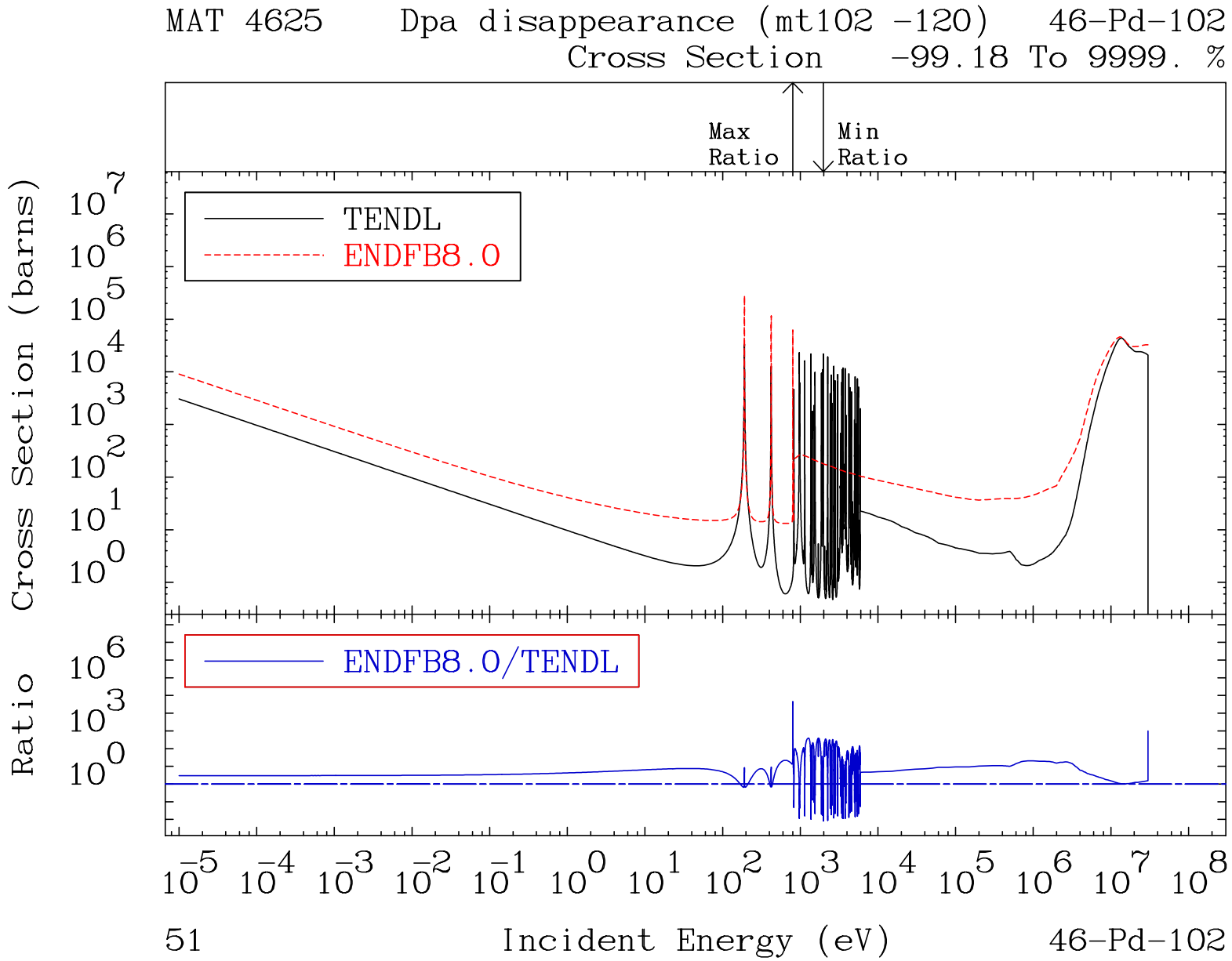

MAT 4625
Total photon (eV-barns)
46-Pd-102
Cross Section -99.75 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
46-Pd-102


MAT 4625 Total kinematic kerma (high limit) 46-Pd-102
Cross Section -98.69 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
46-Pd-102


MAT 4625
Dpa total (eV-barns)
46-Pd-102
Cross Section -99.29 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
46-Pd-102


MAT 4625
Dpa elastic (mt2)
Cross Section
46-Pd-102
-99.67 To 9999. %
Max
Ratio
TENDL Threshold 617.14 eV
ENDFB8.0 Threshold 613.41 eV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
46-Pd-102


MAT 4625
Dpa inelastic (mt51-91)
46-Pd-102
Cross Section -100.0 To 105.1 %
Min Ratio
Max Ratio
TENDL Threshold 561.95 keV
ENDFB8.0 Threshold 562.04 keV
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
46-Pd-102


MAT 4625 Dpa disappearance (mt102 -120) 46-Pd-102
Cross Section -99.18 To 9999. %
Max Ratio
Min Ratio
TENDL
ENDFB8.0
ENDFB8.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
46-Pd-102