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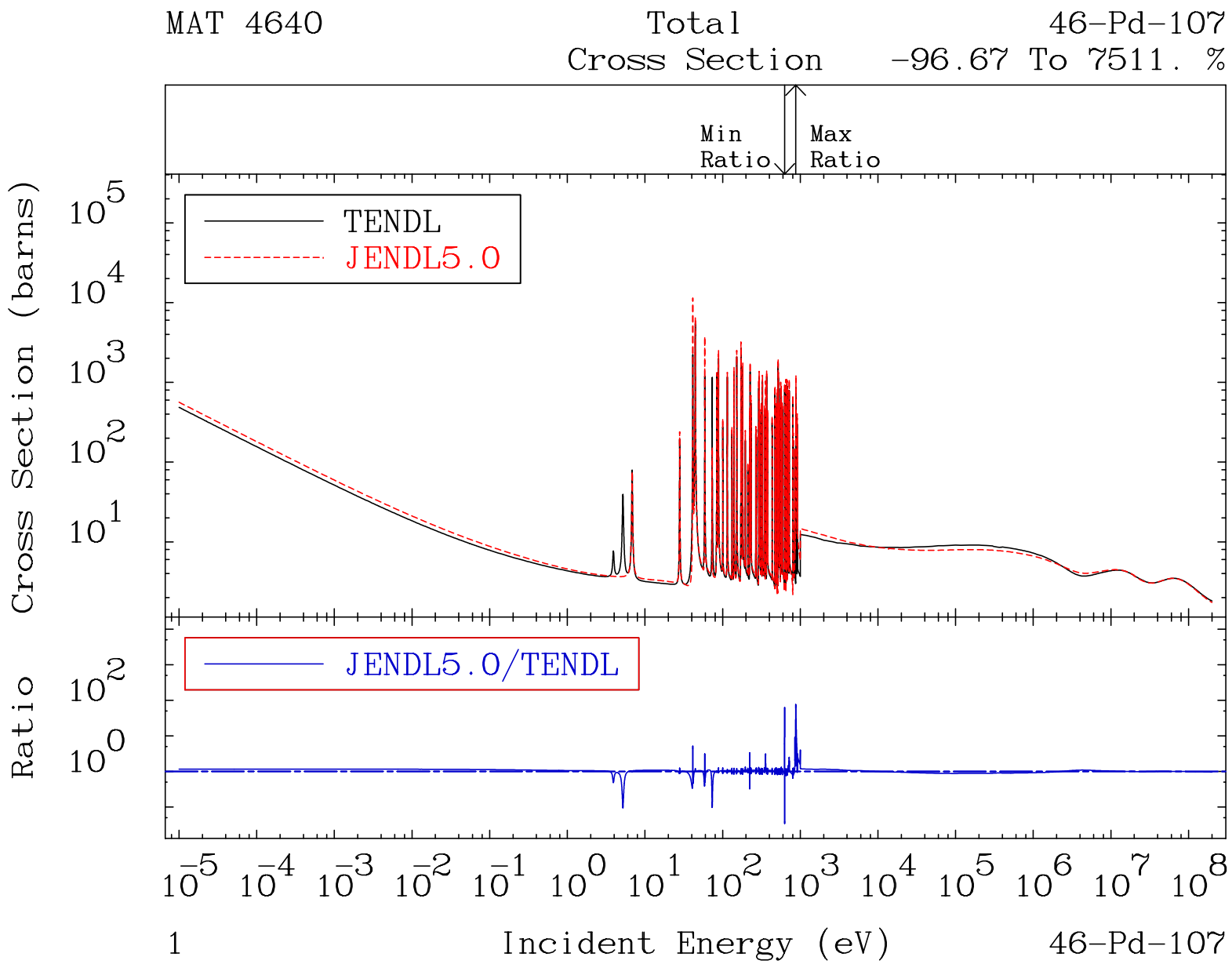
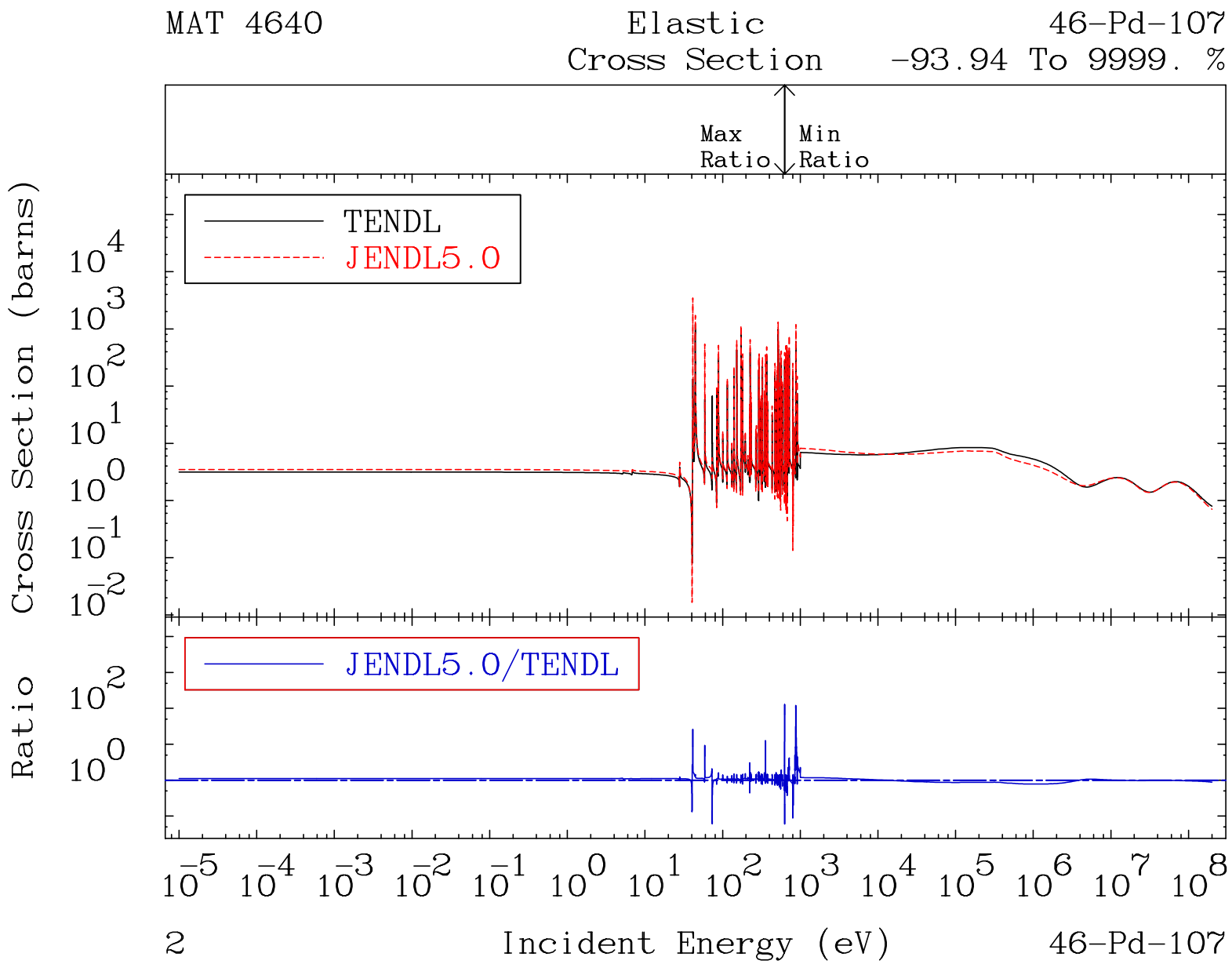
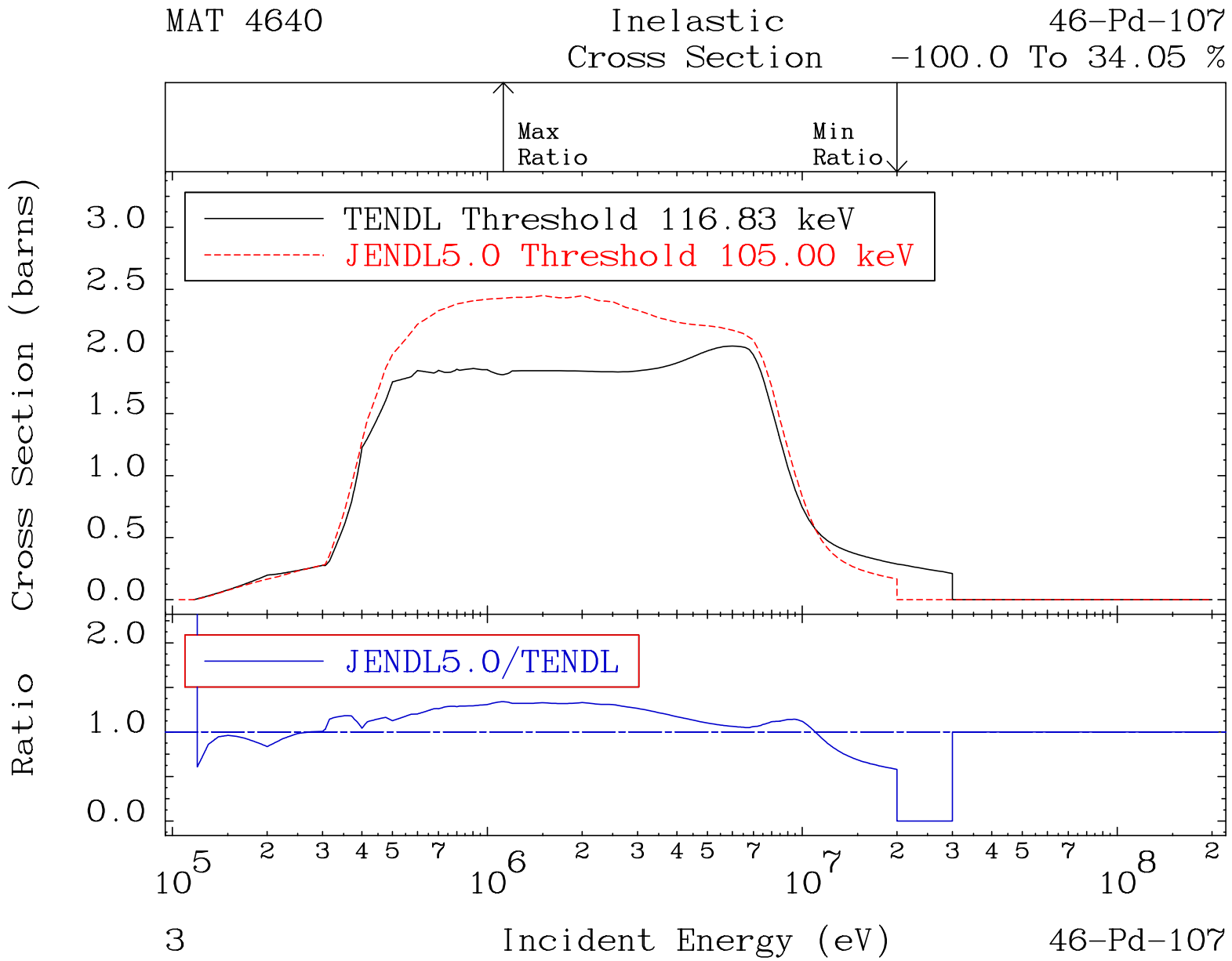
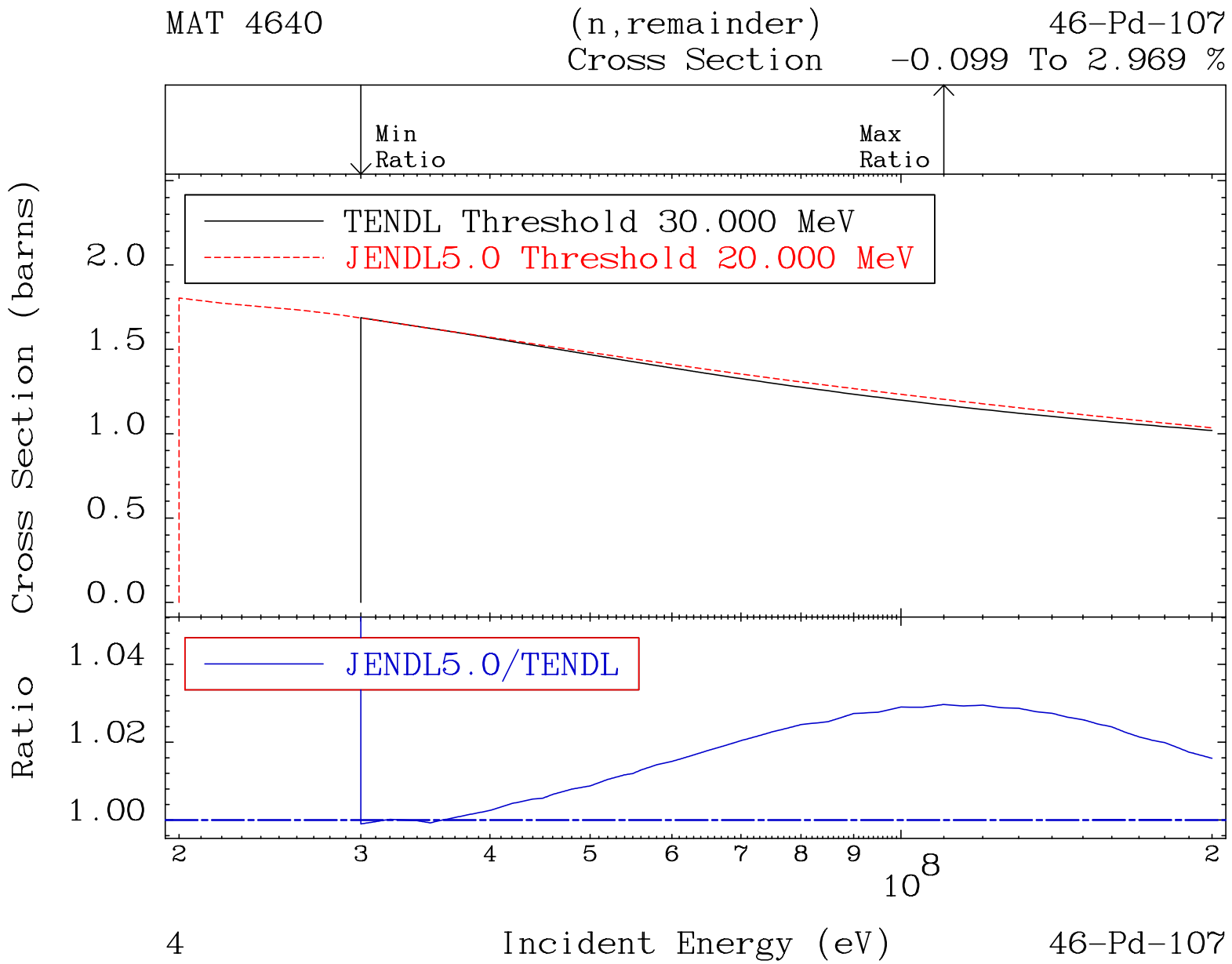
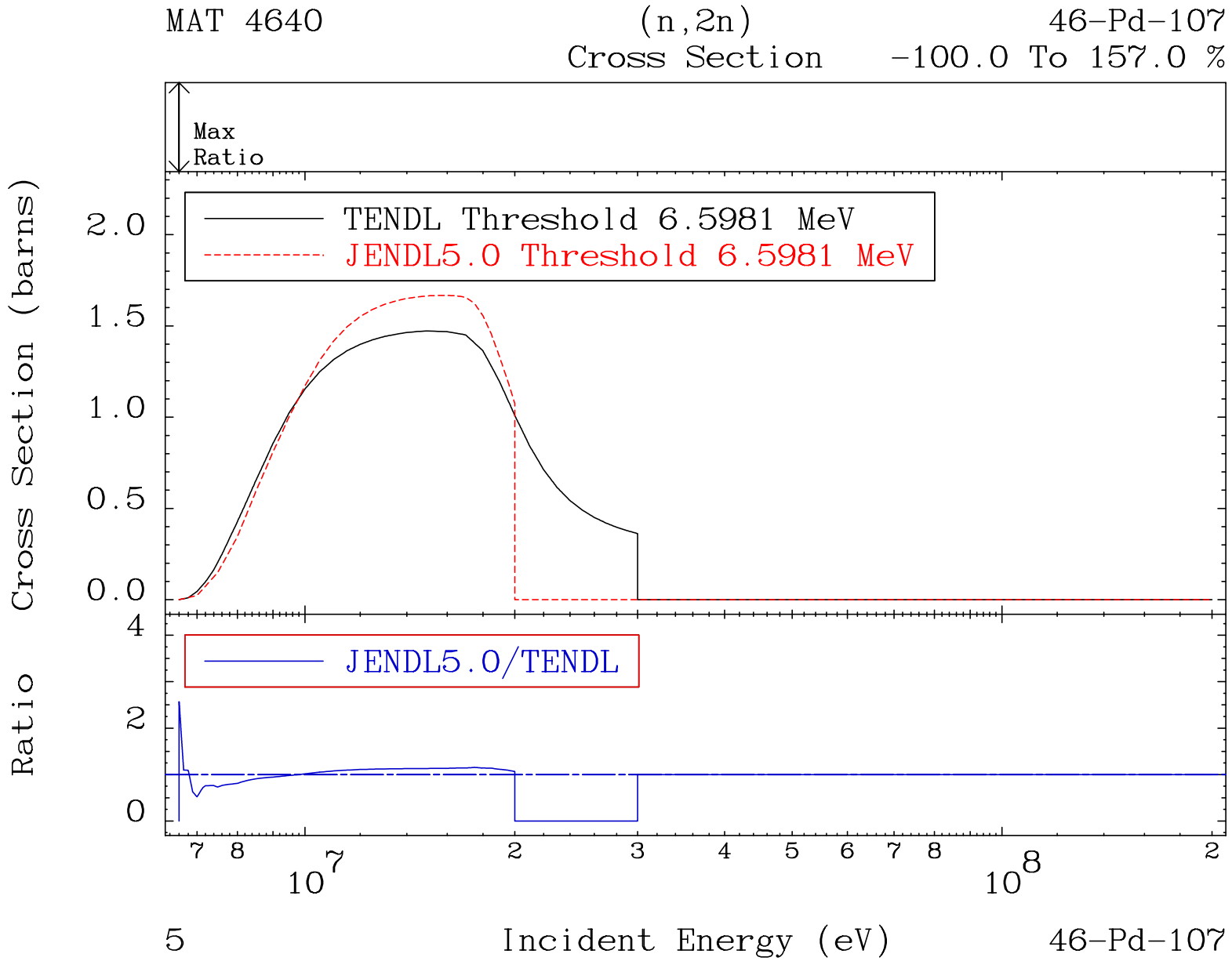
Press Mouse Button to Start

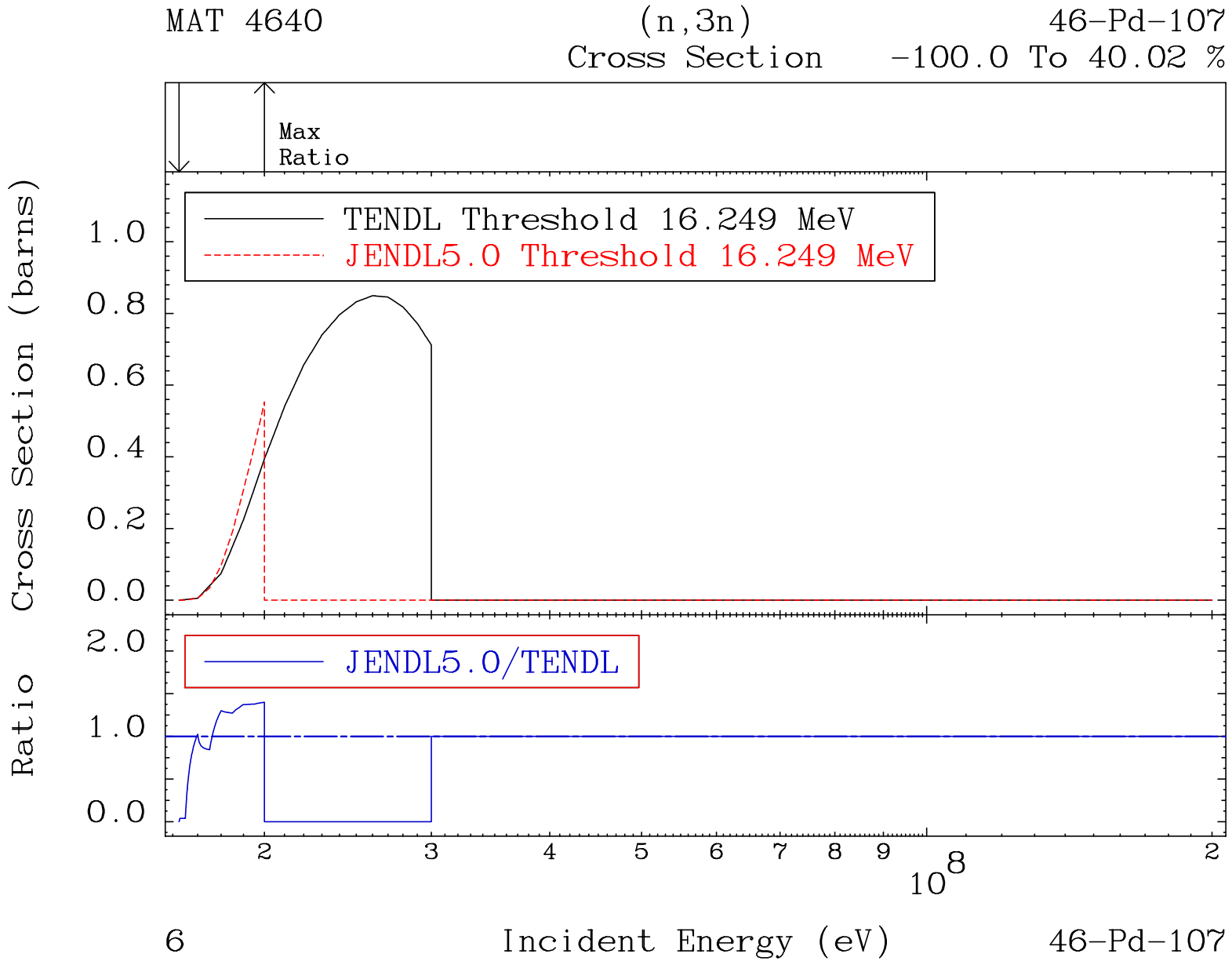

MAT 4640
Total
Cross Section
46-Pd-107
-96.67 To 7511. %
Min
Ratio
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
46-Pd-107

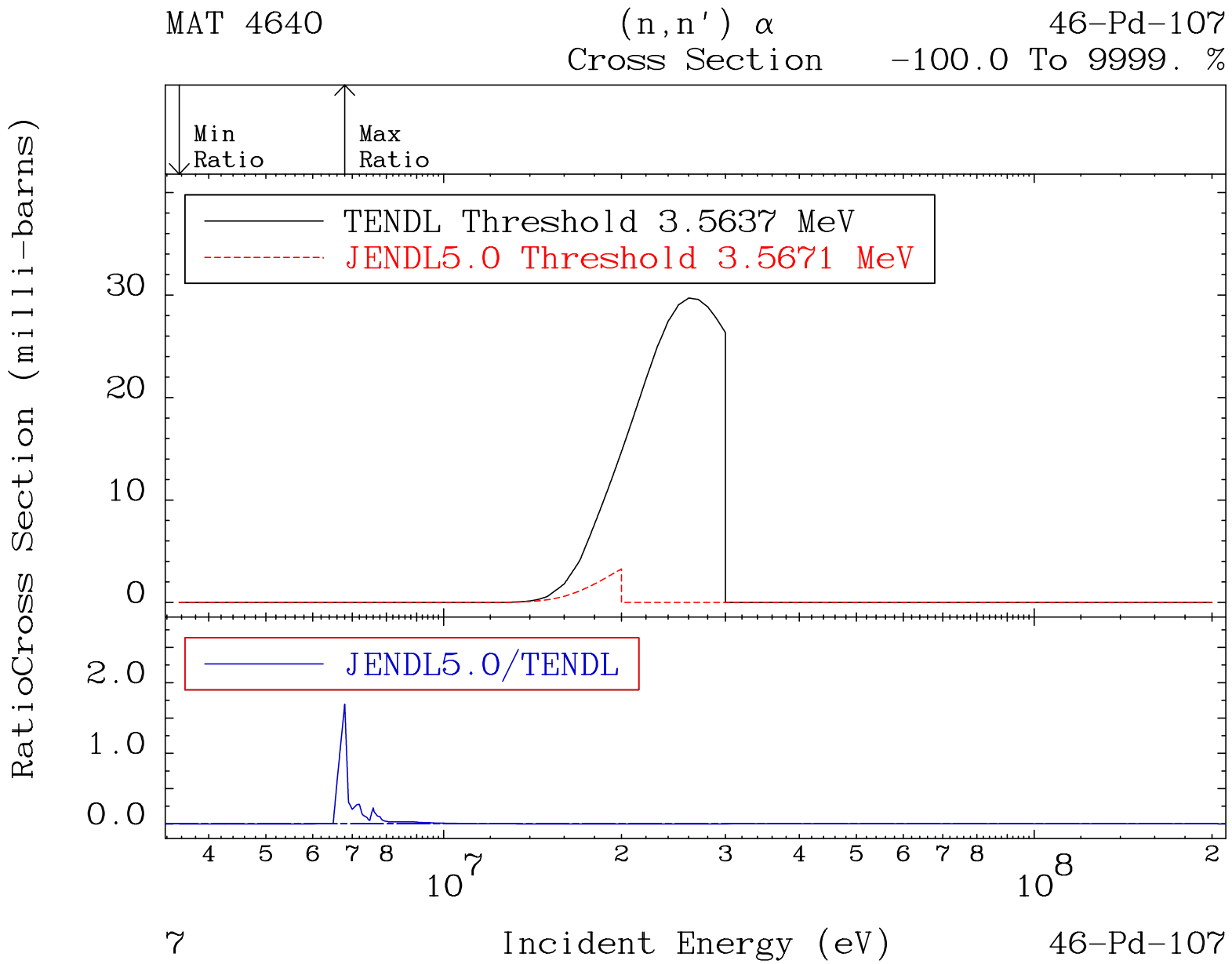

MAT 4640
Elastic
Cross Section
46-Pd-107
-93.94 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
46-Pd-107
2

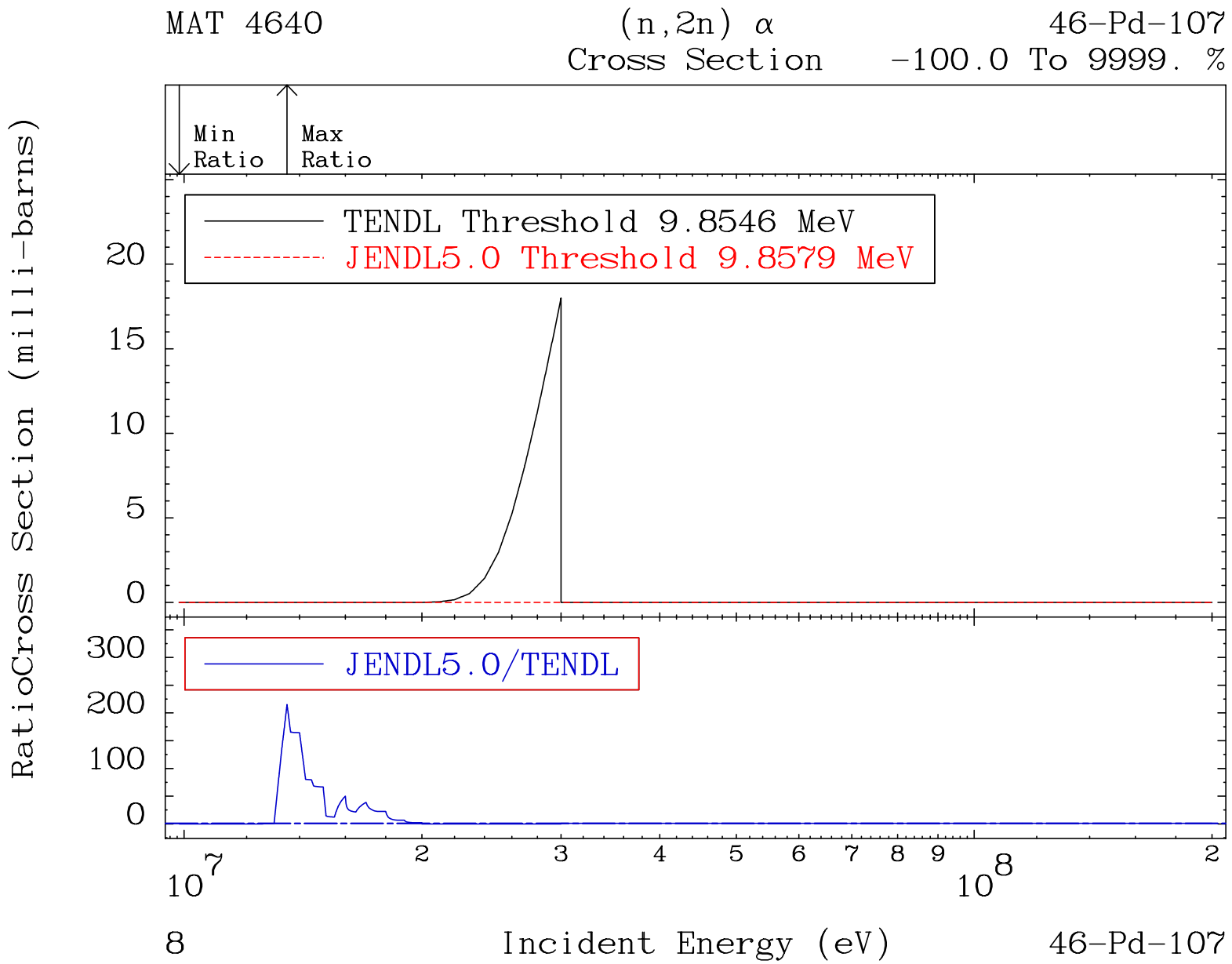

MAT 4640
Inelastic
Cross Section
46-Pd-107
-100.0 To 34.05 %
Max
Ratio
Min
Ratio
TENDL Threshold 116.83 keV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
10^5
10^6
10^7
10^8
Incident Energy (eV)
3
46-Pd-107

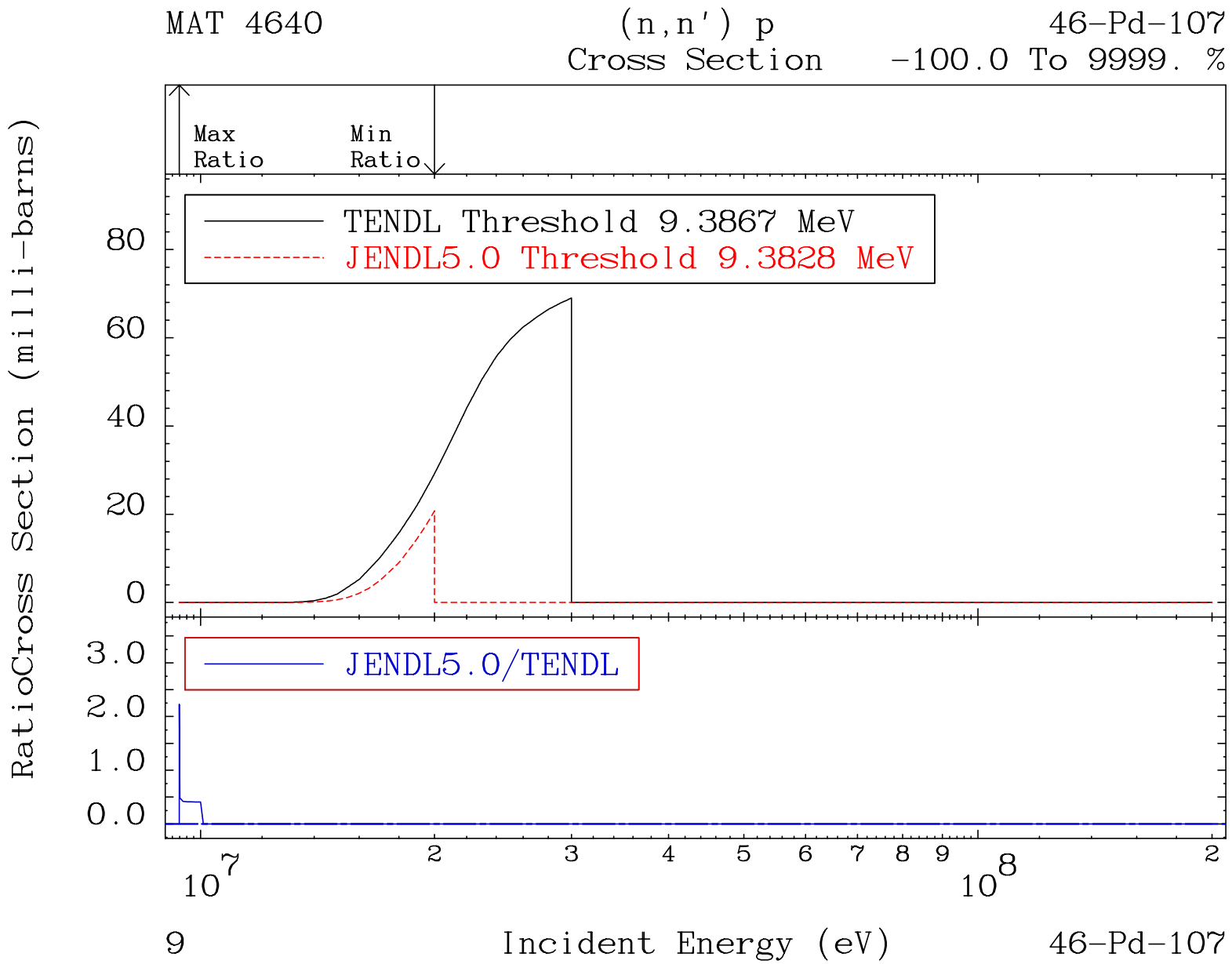

MAT 4640
(n,remainder)
Cross Section
46-Pd-107
-0.099 To 2.969 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.04
1.02
1.00
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
46-Pd-107

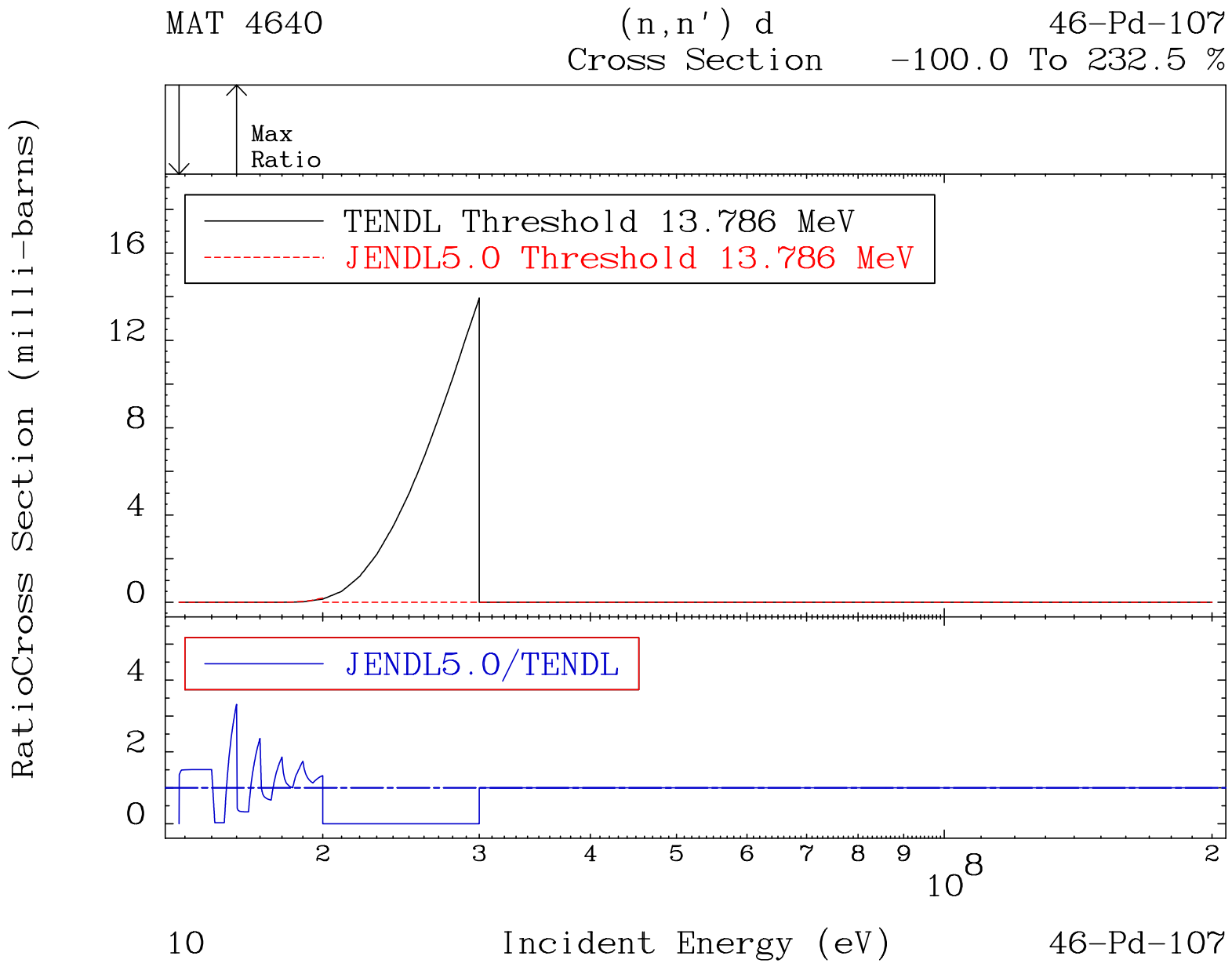

MAT 4640
(n,2n)
Cross Section
46-Pd-107
-100.0 To 157.0 %
Max
Ratio
TENDL Threshold 6.5981 MeV
JENDL5.0 Threshold 6.5981 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
5
46-Pd-107

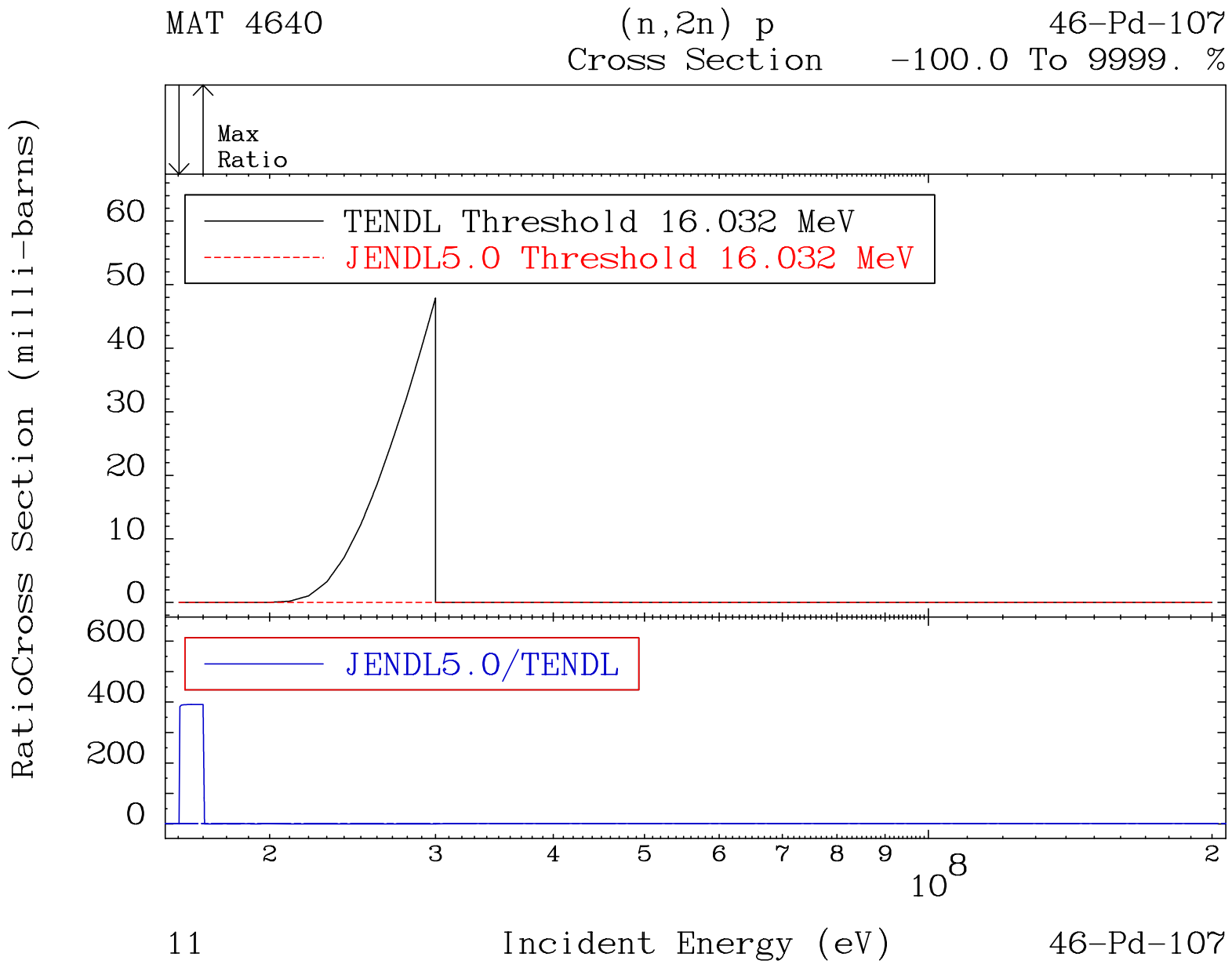

MAT 4640
(n,3n)
46-Pd-107
Cross Section
-100.0 To 40.02 %
Max
Ratio
TENDL Threshold 16.249 MeV
JENDL5.0 Threshold 16.249 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
46-Pd-107

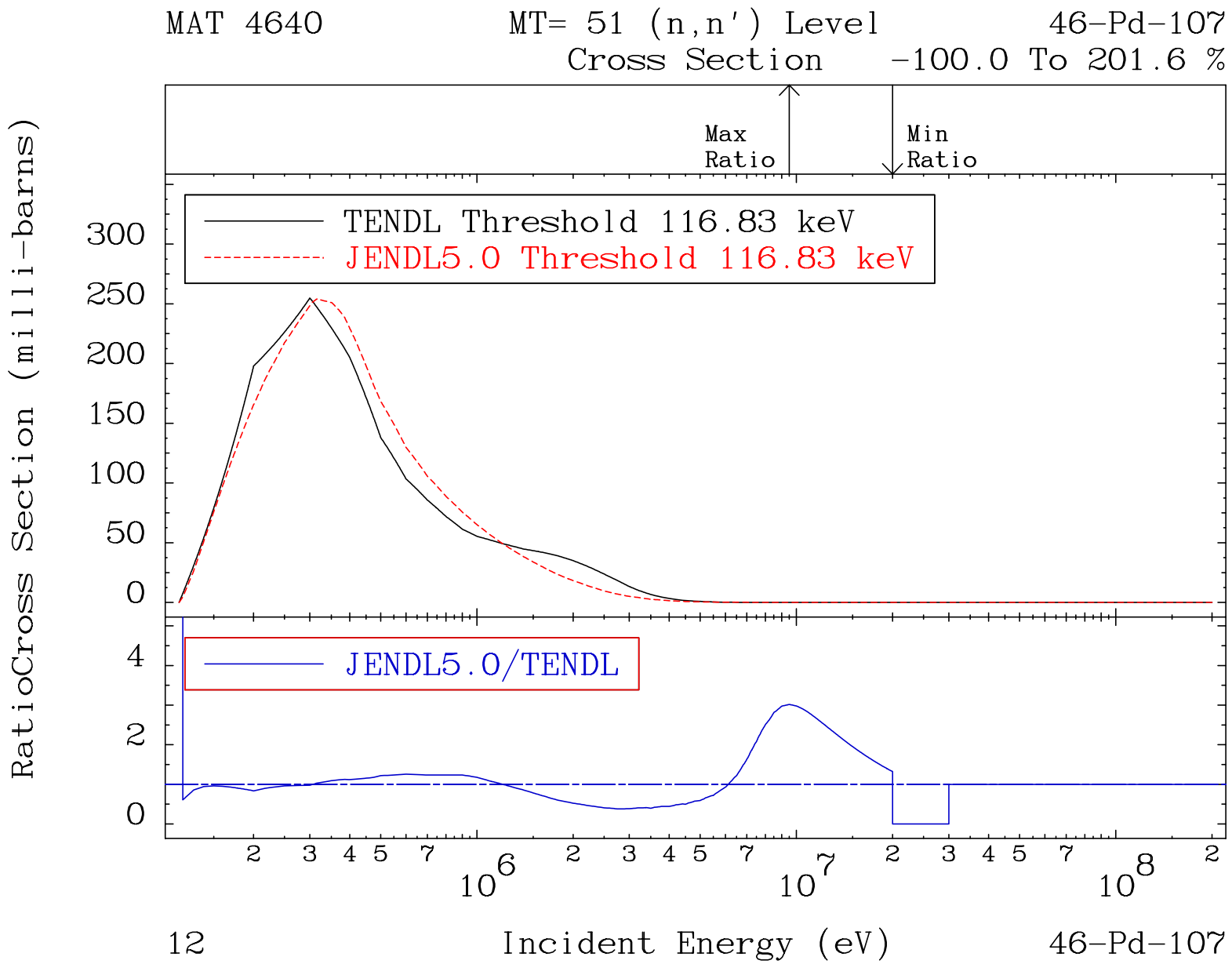

MAT 4640
(n,n') α
Cross Section
46-Pd-107
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.5637 MeV
JENDL5.0 Threshold 3.5671 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
46-Pd-107

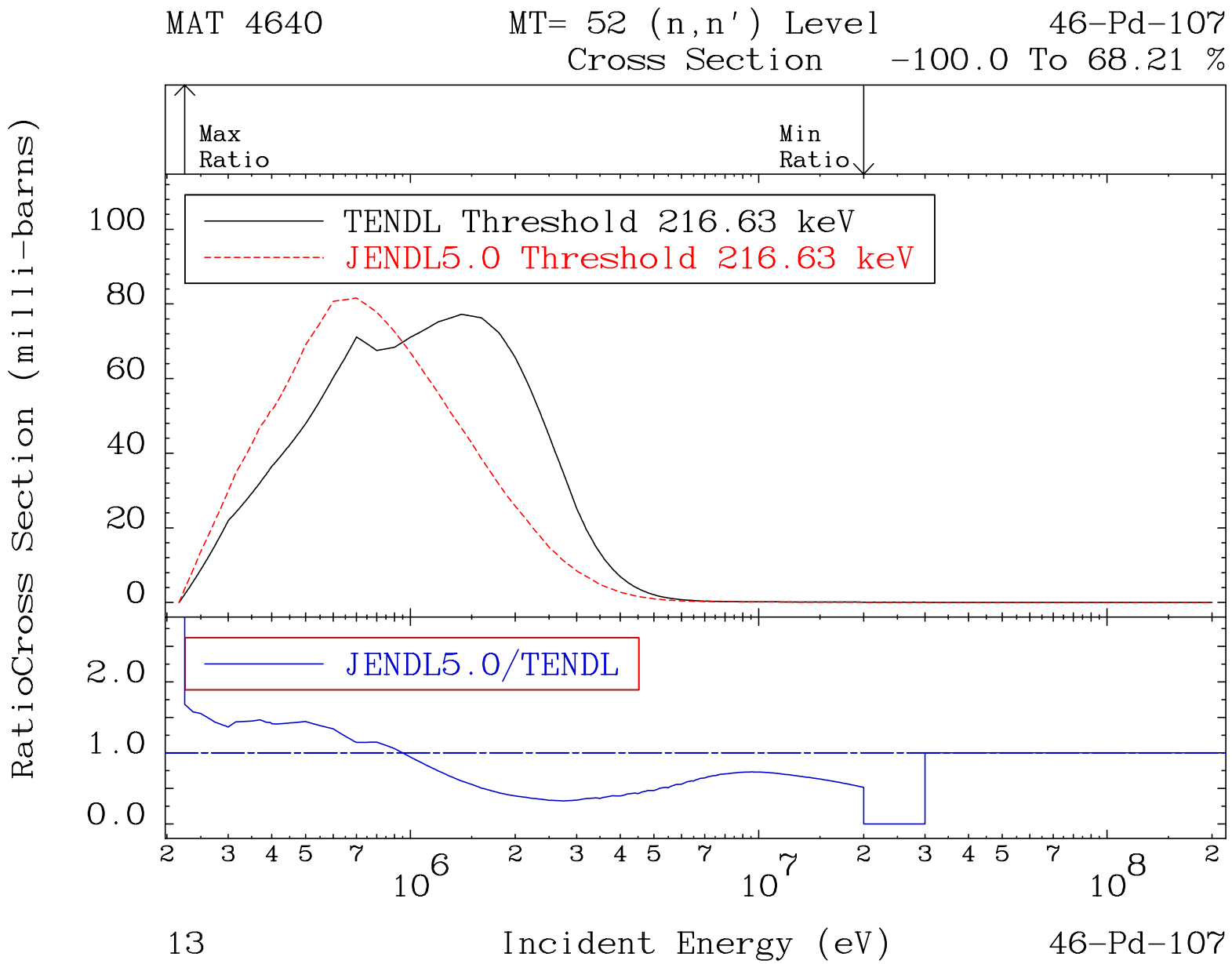

MAT 4640
(n,2n) α
46-Pd-107
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.8546 MeV
JENDL5.0 Threshold 9.8579 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
300
200
100
0
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
46-Pd-107

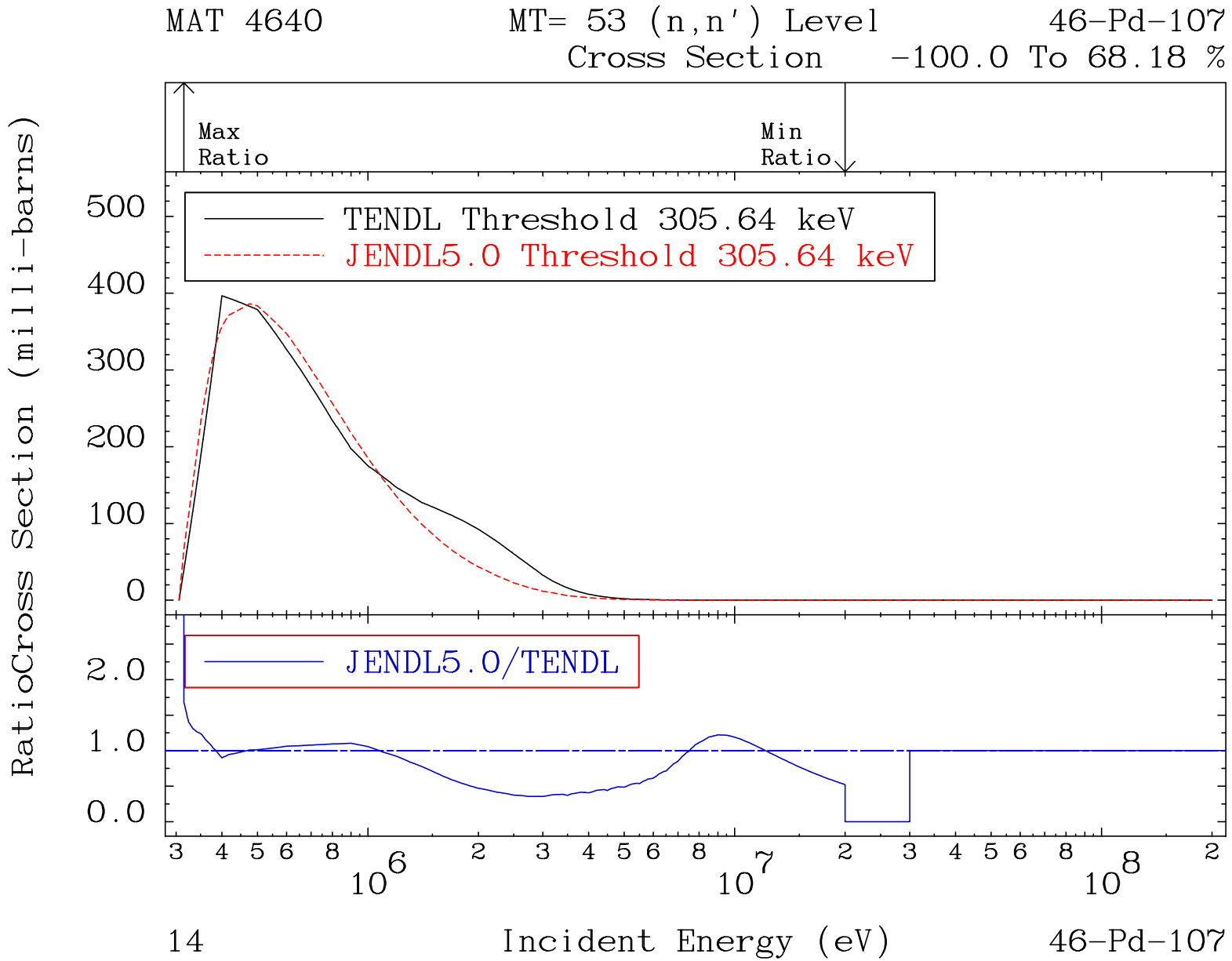

MAT 4640
(n,n') p
Cross Section
46-Pd-107
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.3867 MeV
JENDL5.0 Threshold 9.3828 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
46-Pd-107

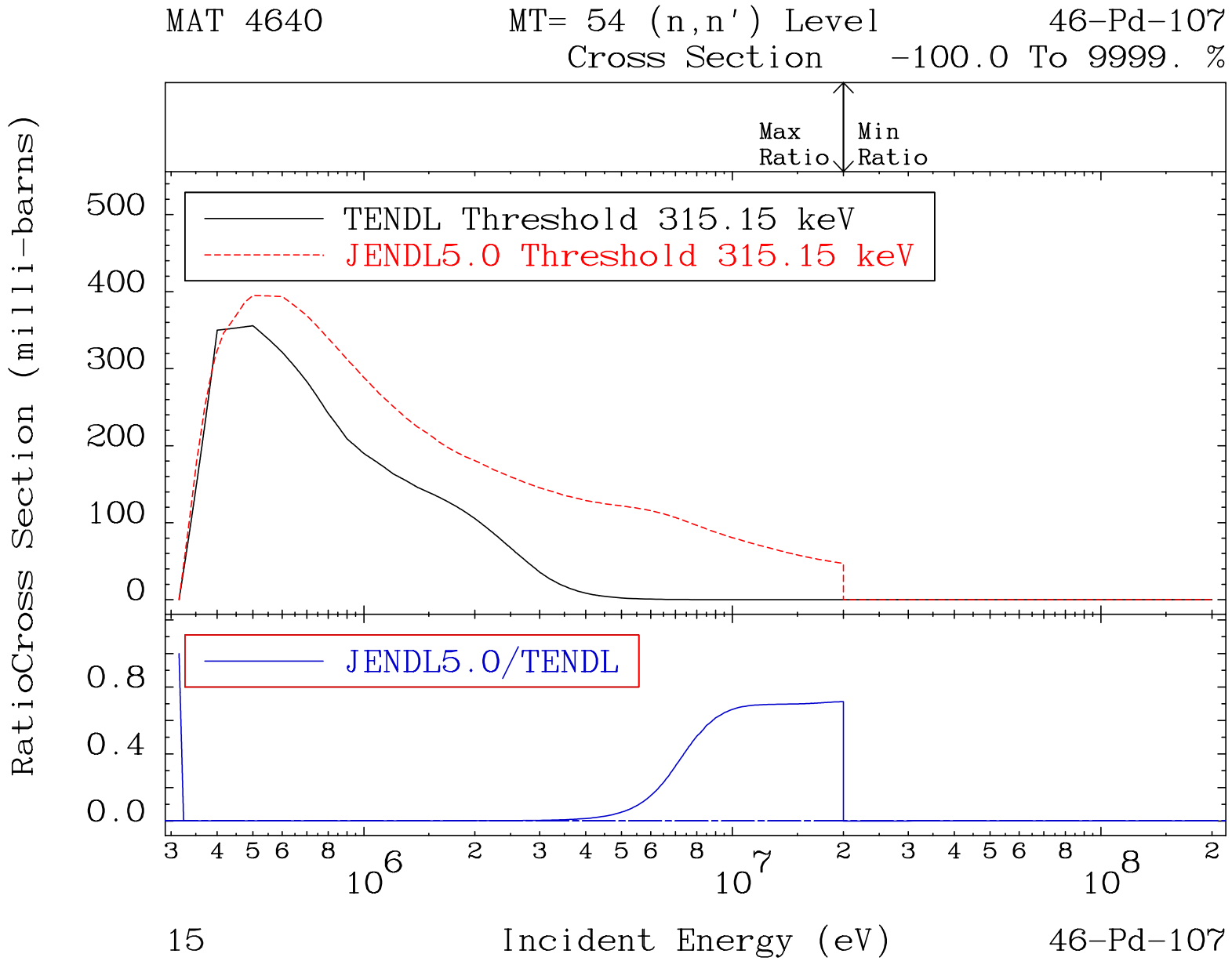

MAT 4640
(n,n') d
Cross Section
46-Pd-107
-100.0 To 232.5 %
Max
Ratio
TENDL Threshold 13.786 MeV
JENDL5.0 Threshold 13.786 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
46-Pd-107

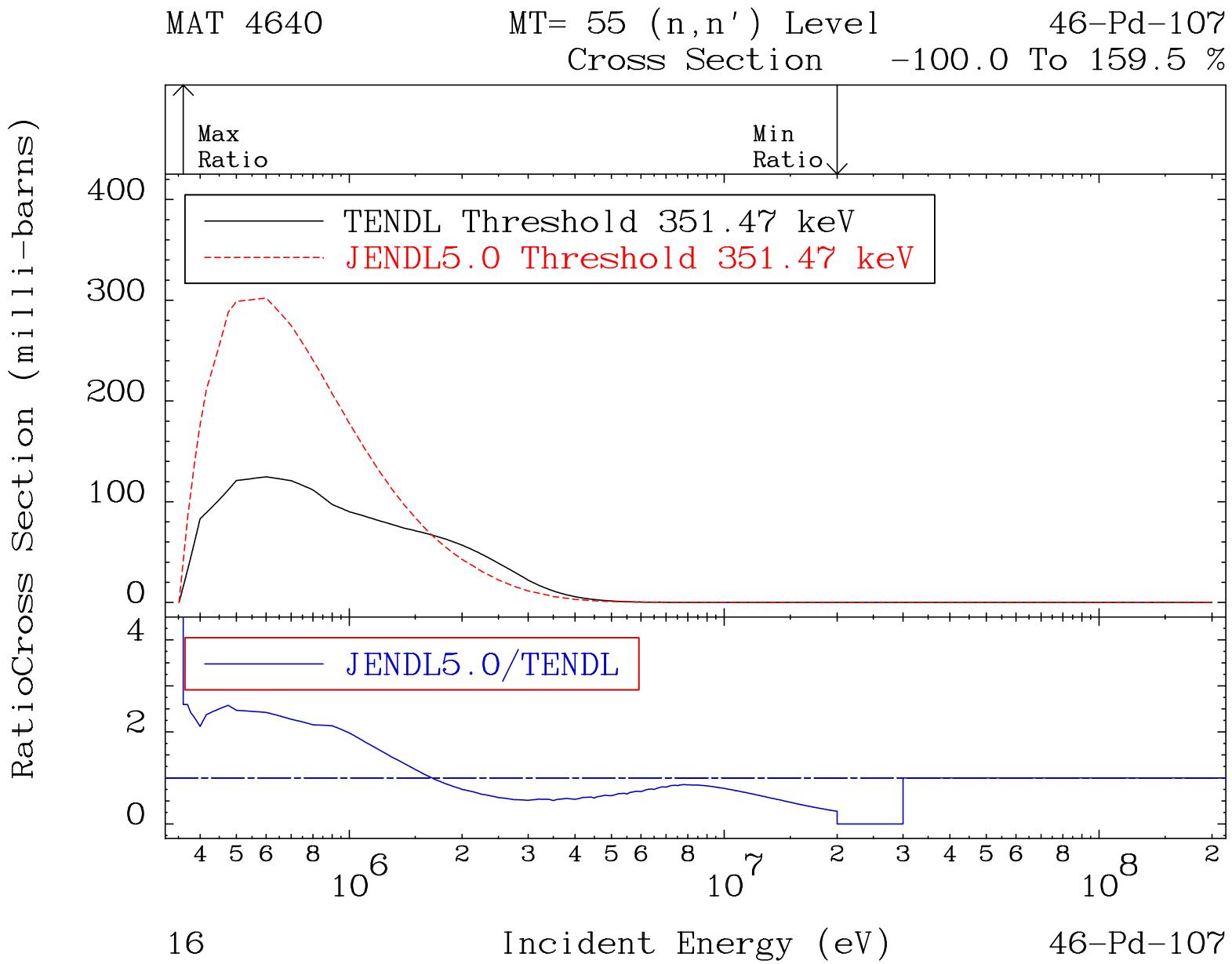

MAT 4640
(n,2n) p
46-Pd-107
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 16.032 MeV
JENDL5.0 Threshold 16.032 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
600
400
200
0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
46-Pd-107

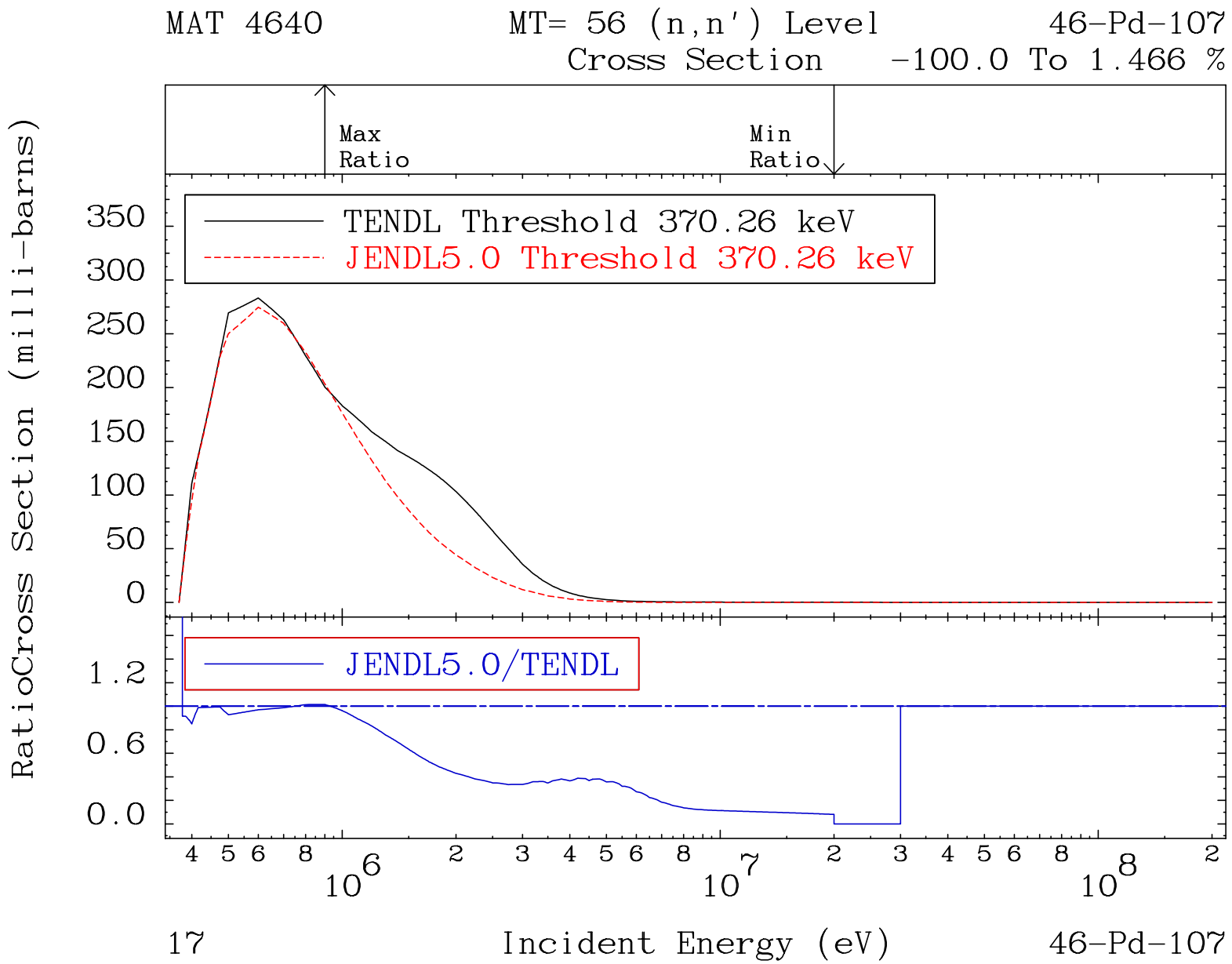

MAT 4640
MT= 51 (n,n') Level
46-Pd-107
Cross Section
-100.0 To 201.6 %
Max Ratio
Min Ratio
TENDL Threshold 116.83 keV
JENDL5.0 Threshold 116.83 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
4
2
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
12
Incident Energy (eV)
46-Pd-107

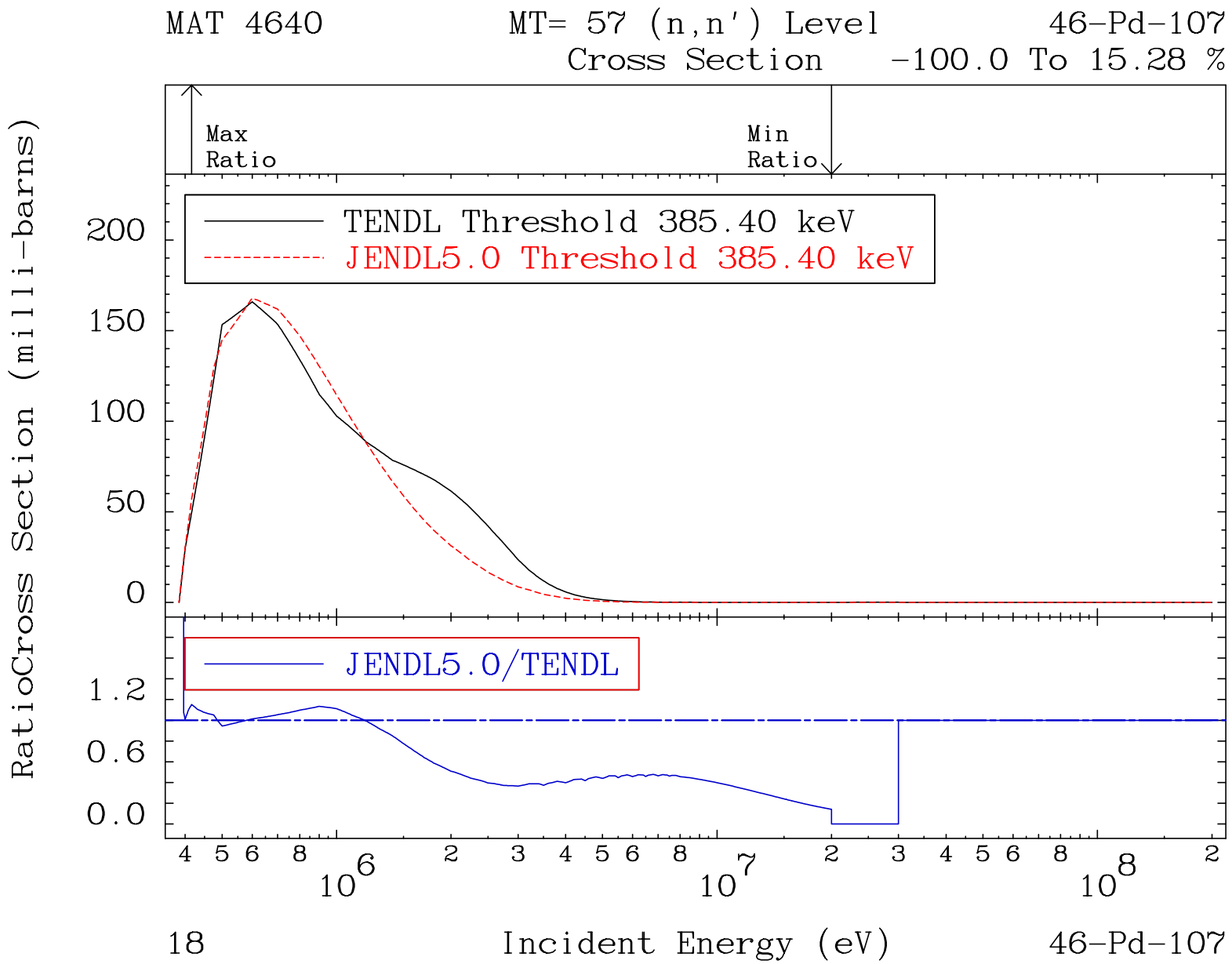

MAT 4640
MT= 52 (n,n') Level
Cross Section
46-Pd-107
-100.0 To 68.21 %
Max Ratio
Min Ratio
TENDL Threshold 216.63 keV
JENDL5.0 Threshold 216.63 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
13
Incident Energy (eV)
46-Pd-107

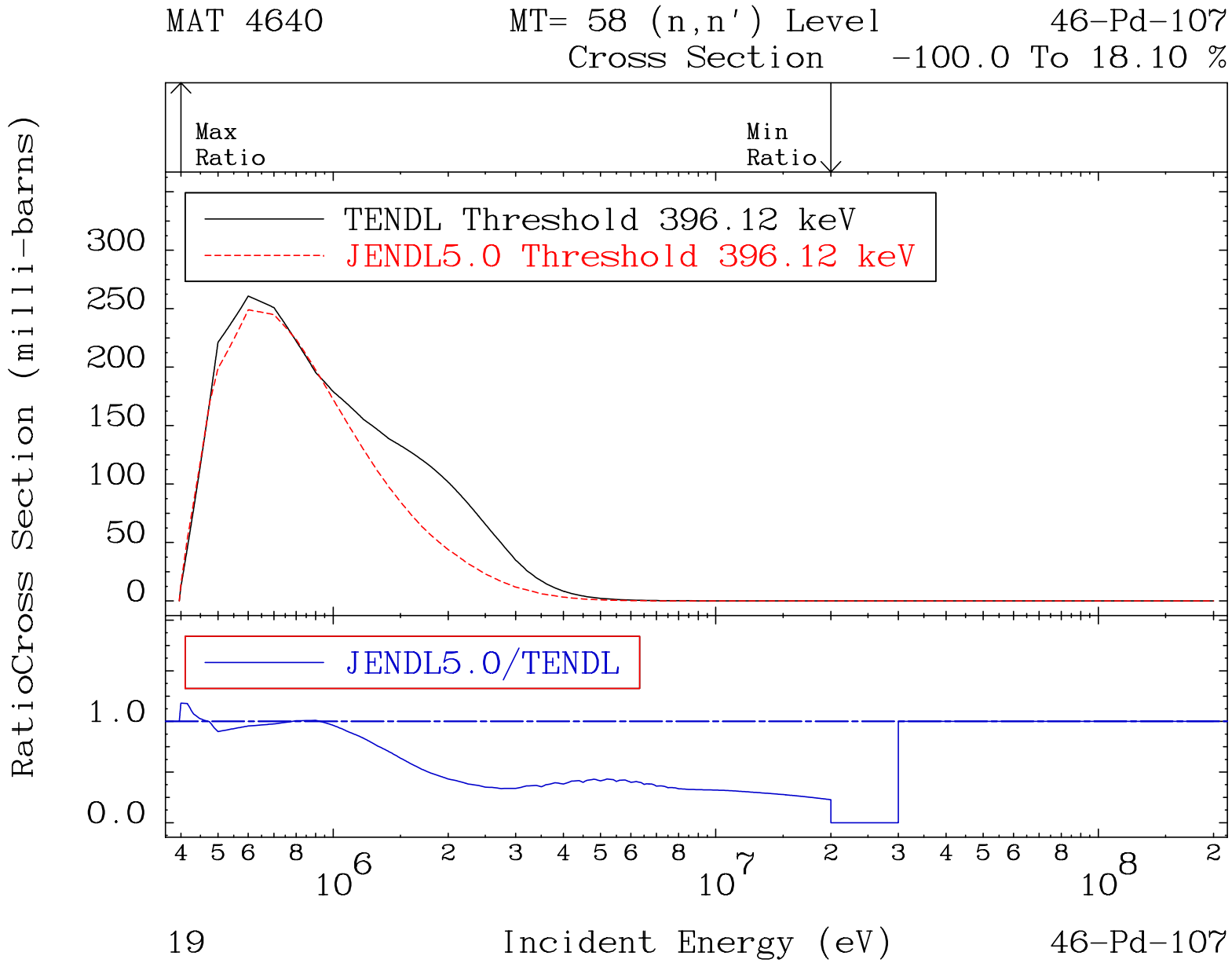

MAT 4640
MT= 53 (n,n') Level
Cross Section
46-Pd-107
-100.0 To 68.18 %
Max Ratio
Min Ratio
TENDL Threshold 305.64 keV
JENDL5.0 Threshold 305.64 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
2.0
1.0
0.0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
14
Incident Energy (eV)
46-Pd-107

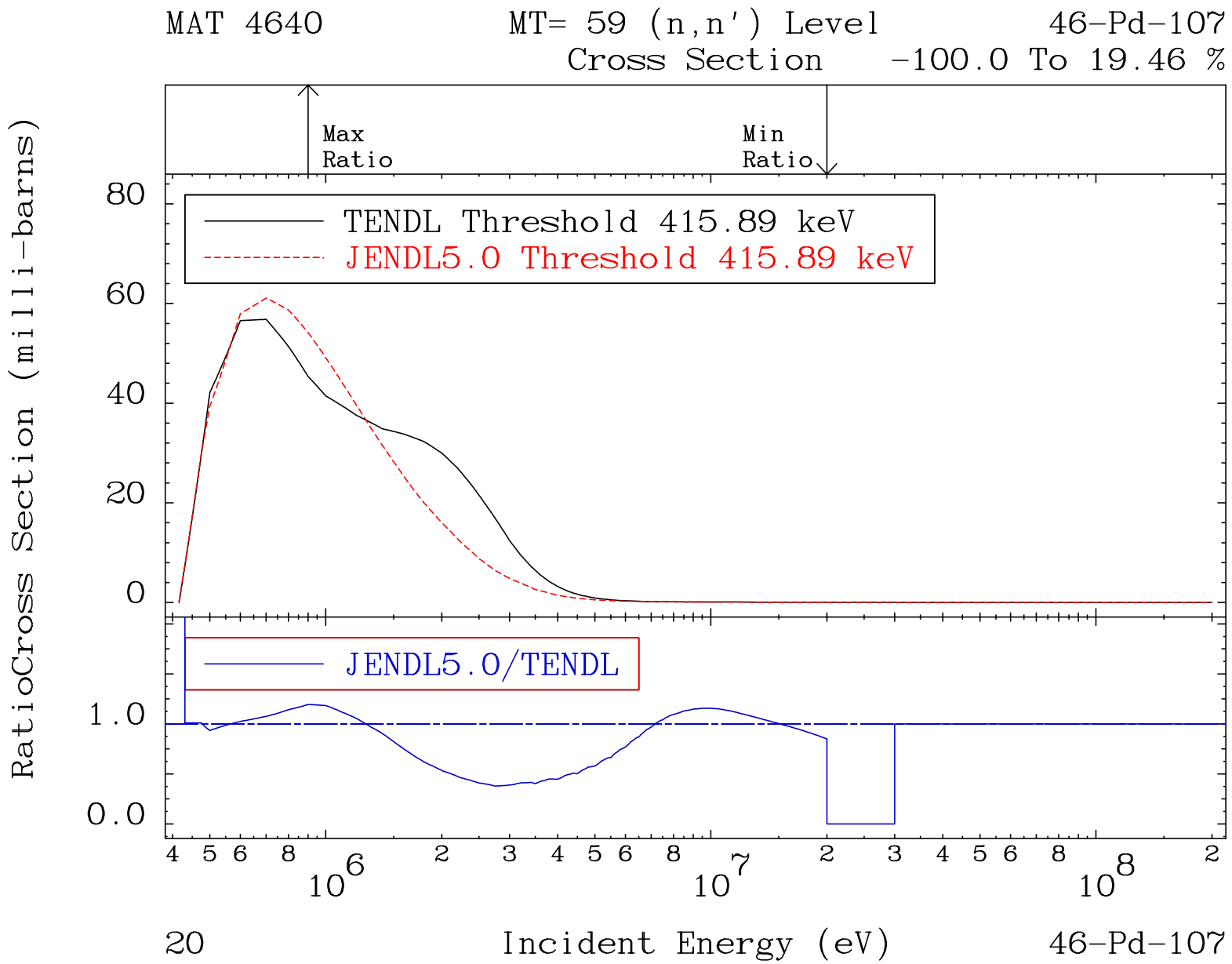

MAT 4640
MT= 54 (n,n') Level
46-Pd-107
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 315.15 keV
JENDL5.0 Threshold 315.15 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
0.8
0.4
0.0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
15
Incident Energy (eV)
46-Pd-107

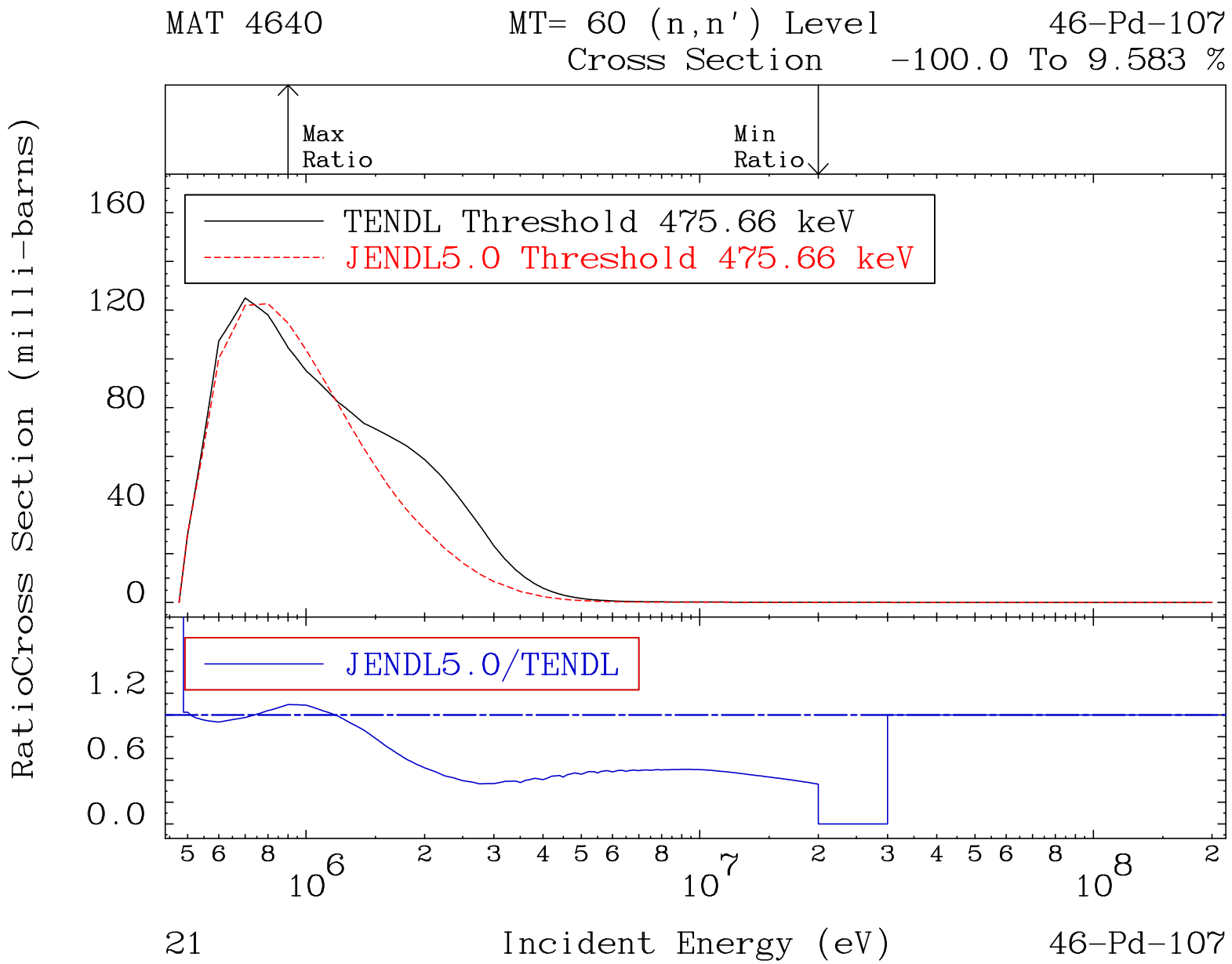

MAT 4640
MT= 55 (n,n') Level
Cross Section
46-Pd-107
-100.0 To 159.5 %
Max Ratio
Min Ratio
TENDL Threshold 351.47 keV
JENDL5.0 Threshold 351.47 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
4
2
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
16
46-Pd-107

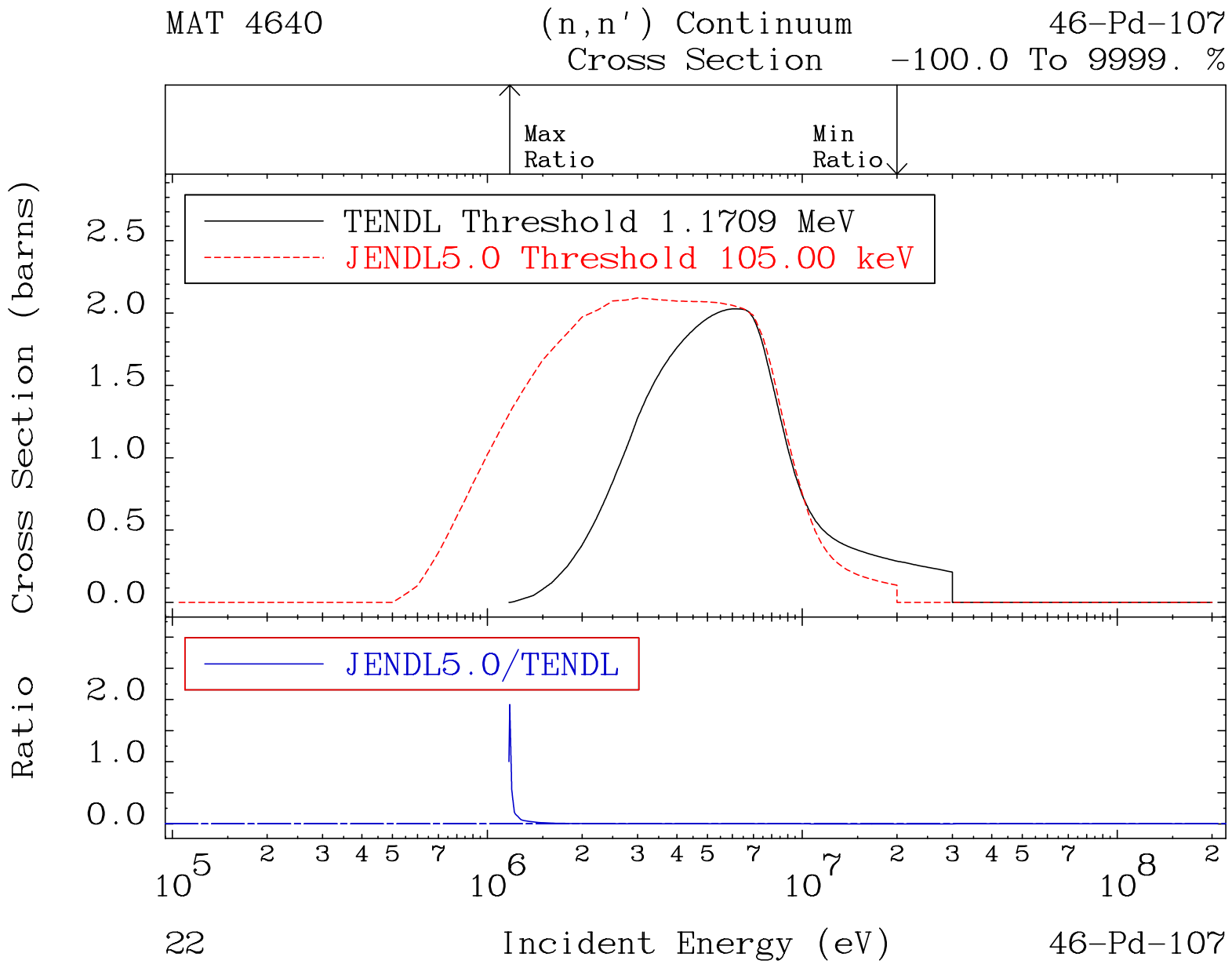

MAT 4640
MT= 56 (n,n') Level
46-Pd-107
Cross Section
-100.0 To 1.466 %
Max Ratio
Min Ratio
TENDL Threshold 370.26 keV
JENDL5.0 Threshold 370.26 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
1.2
0.6
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
17
Incident Energy (eV)
46-Pd-107

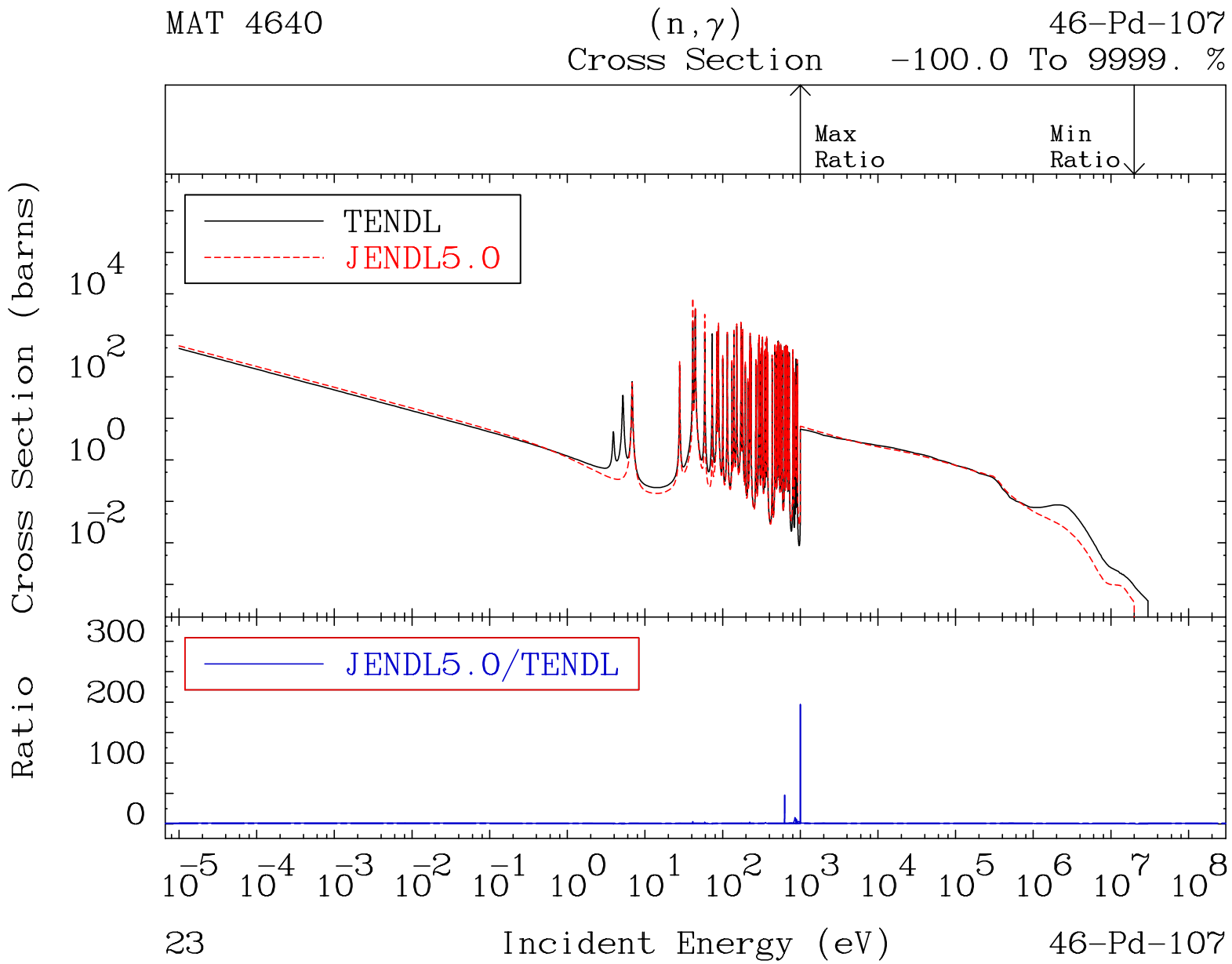

MAT 4640
MT= 57 (n,n') Level
Cross Section
46-Pd-107
-100.0 To 15.28 %
Max Ratio
Min Ratio
TENDL Threshold 385.40 keV
JENDL5.0 Threshold 385.40 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.2
0.6
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
18
Incident Energy (eV)
46-Pd-107

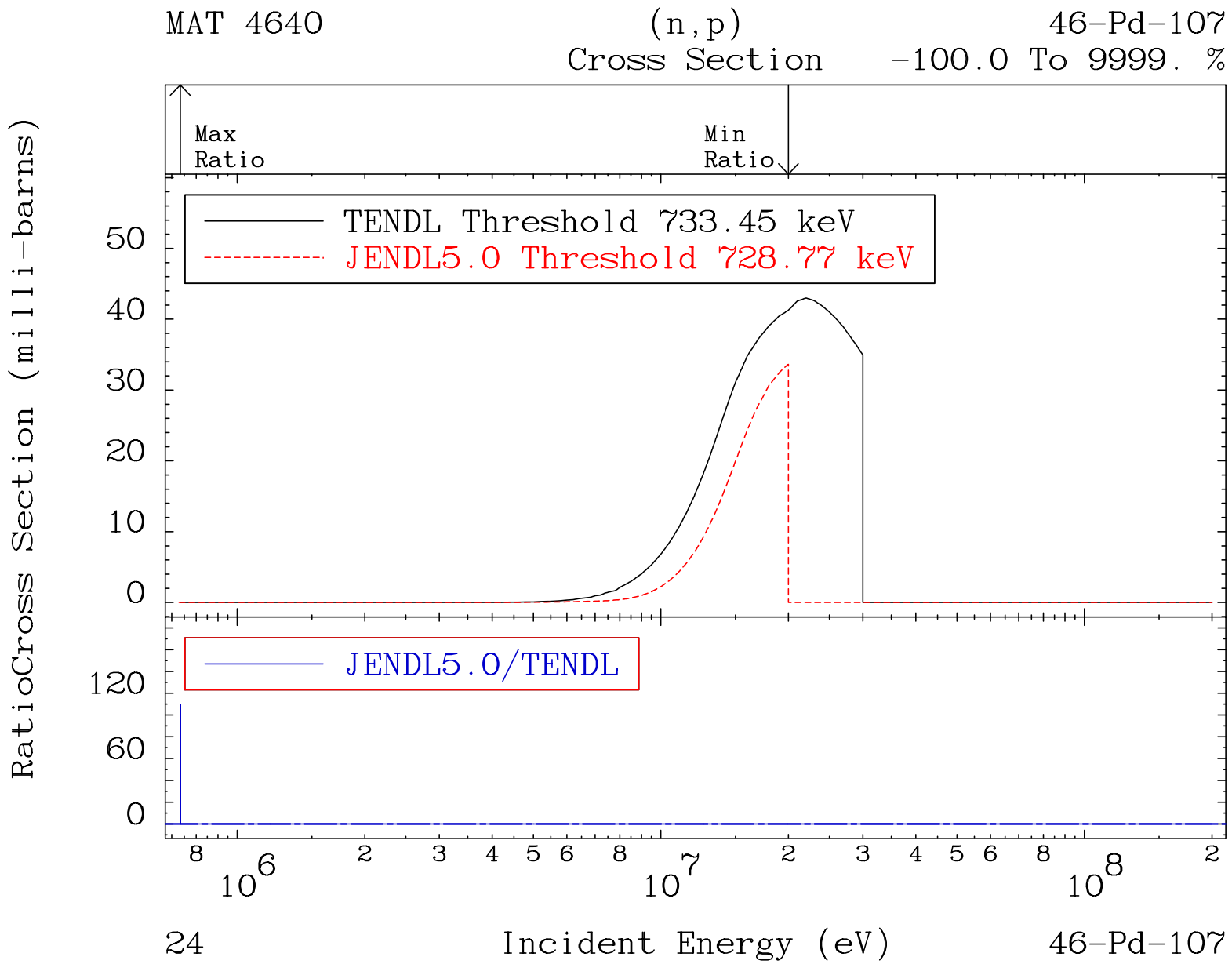

MAT 4640
MT= 58 (n,n') Level
46-Pd-107
Cross Section
-100.0 To 18.10 %
Max Ratio
Min Ratio
TENDL Threshold 396.12 keV
JENDL5.0 Threshold 396.12 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.0
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
46-Pd-107

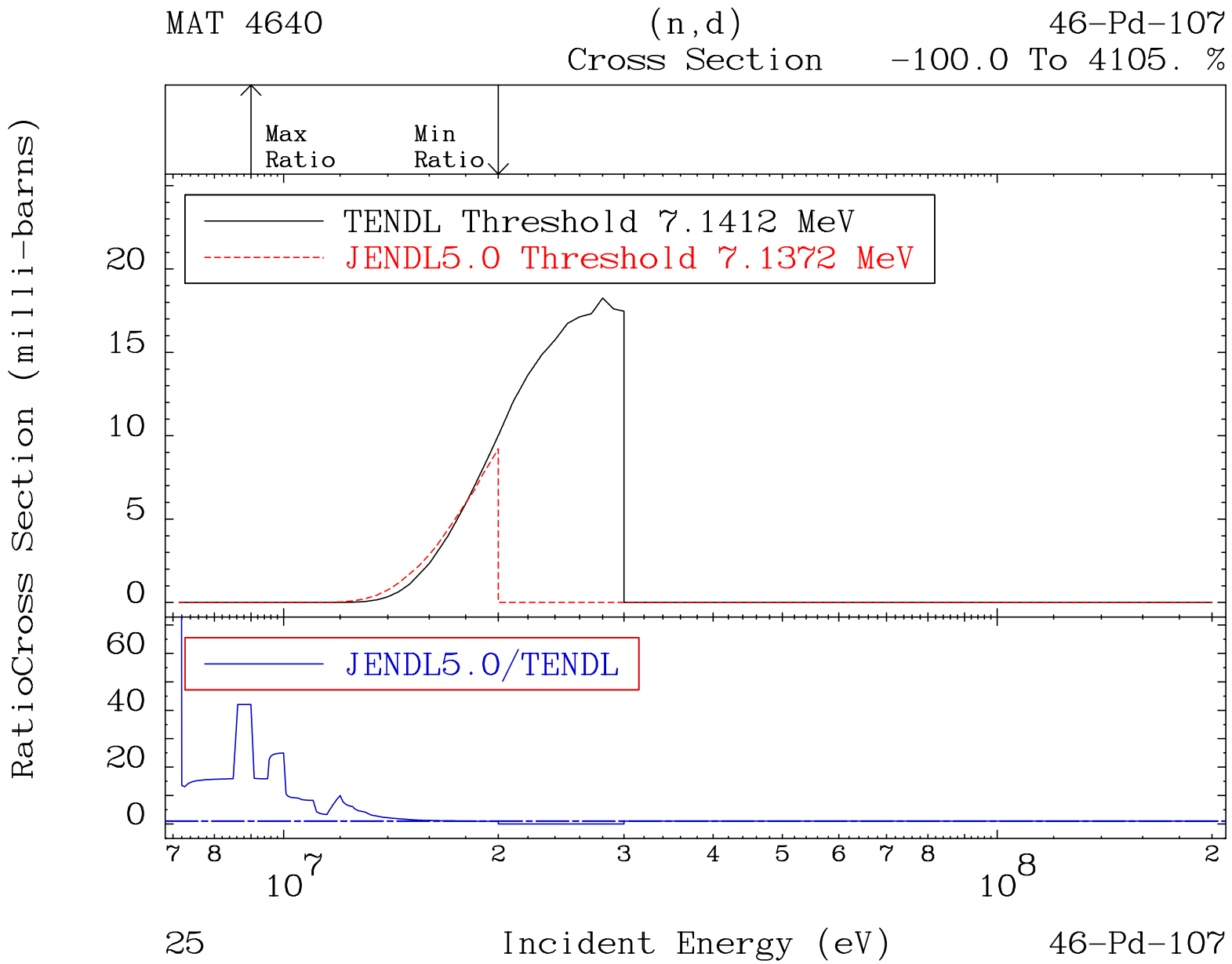

MAT 4640
MT= 59 (n,n') Level
46-Pd-107
Cross Section
-100.0 To 19.46 %
Max Ratio
Min Ratio
TENDL Threshold 415.89 keV
JENDL5.0 Threshold 415.89 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.0
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
20
Incident Energy (eV)
46-Pd-107

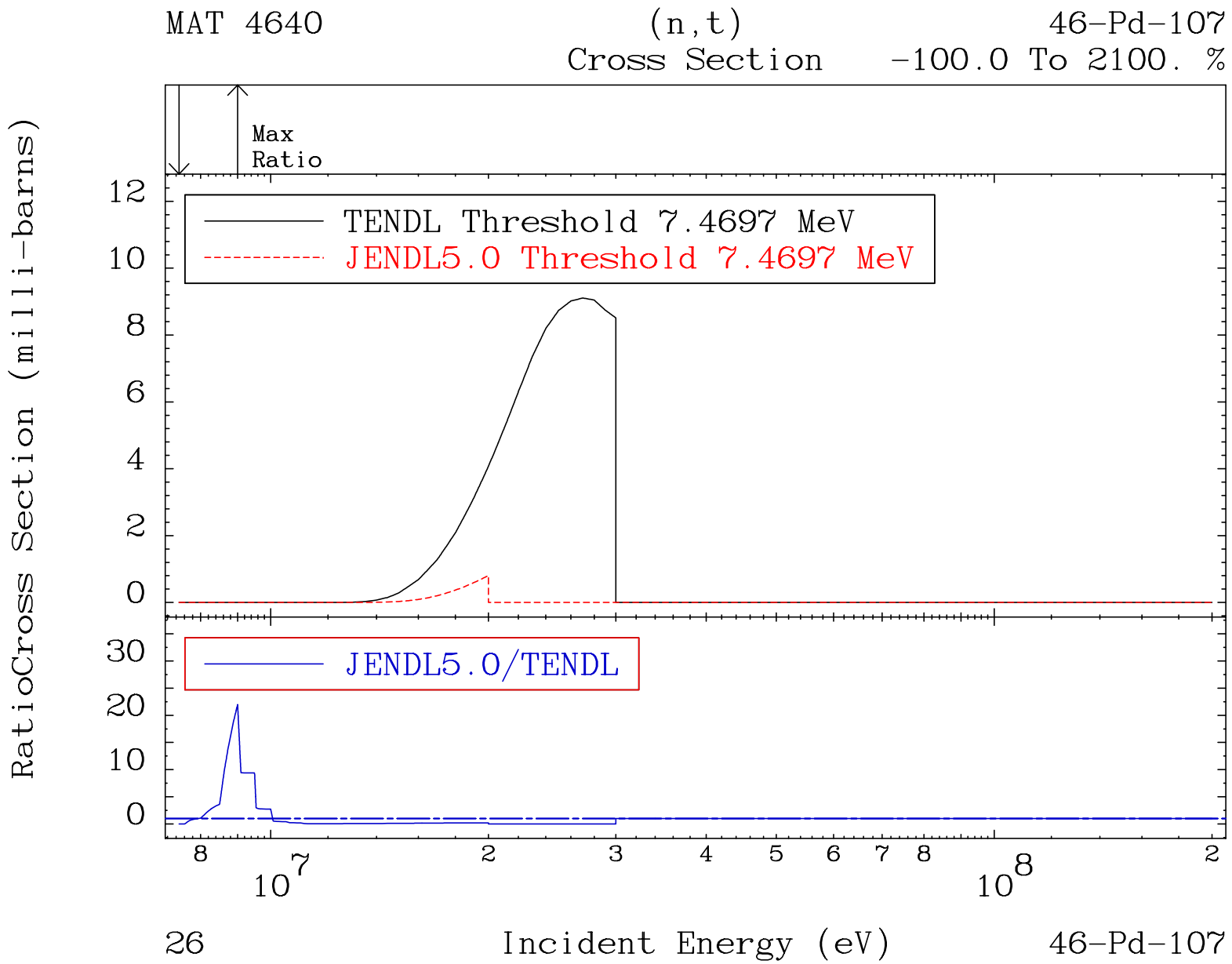

MAT 4640
MT= 60 (n,n') Level
46-Pd-107
Cross Section
-100.0 To 9.583 %
Max Ratio
Min Ratio
TENDL Threshold 475.66 keV
JENDL5.0 Threshold 475.66 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.2
0.6
0.0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
46-Pd-107

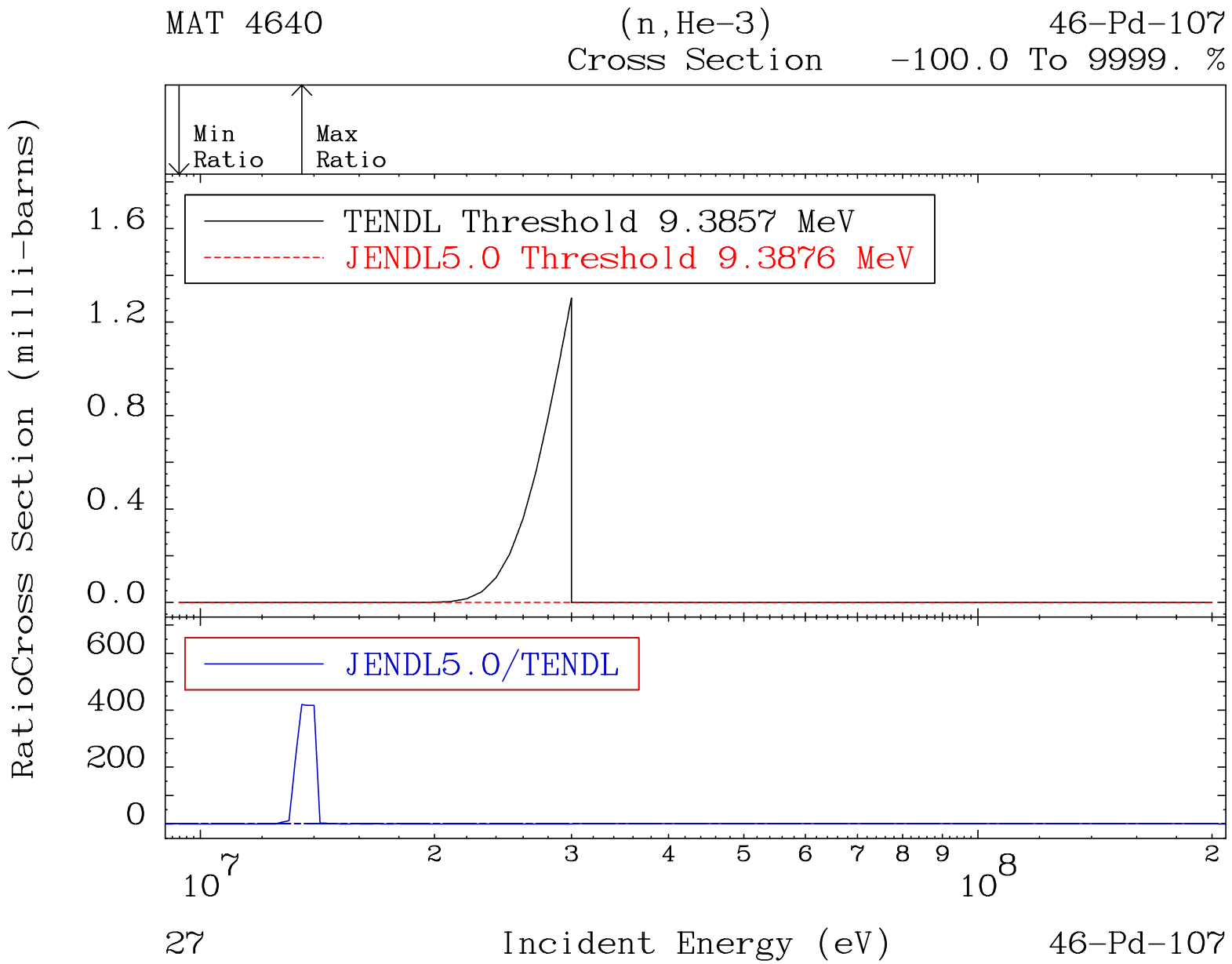

MAT 4640
(n,n') Continuum
Cross Section
46-Pd-107
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1709 MeV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
2.0
1.0
0.0
10^5
10^6
10^7
10^8
22
Incident Energy (eV)
46-Pd-107

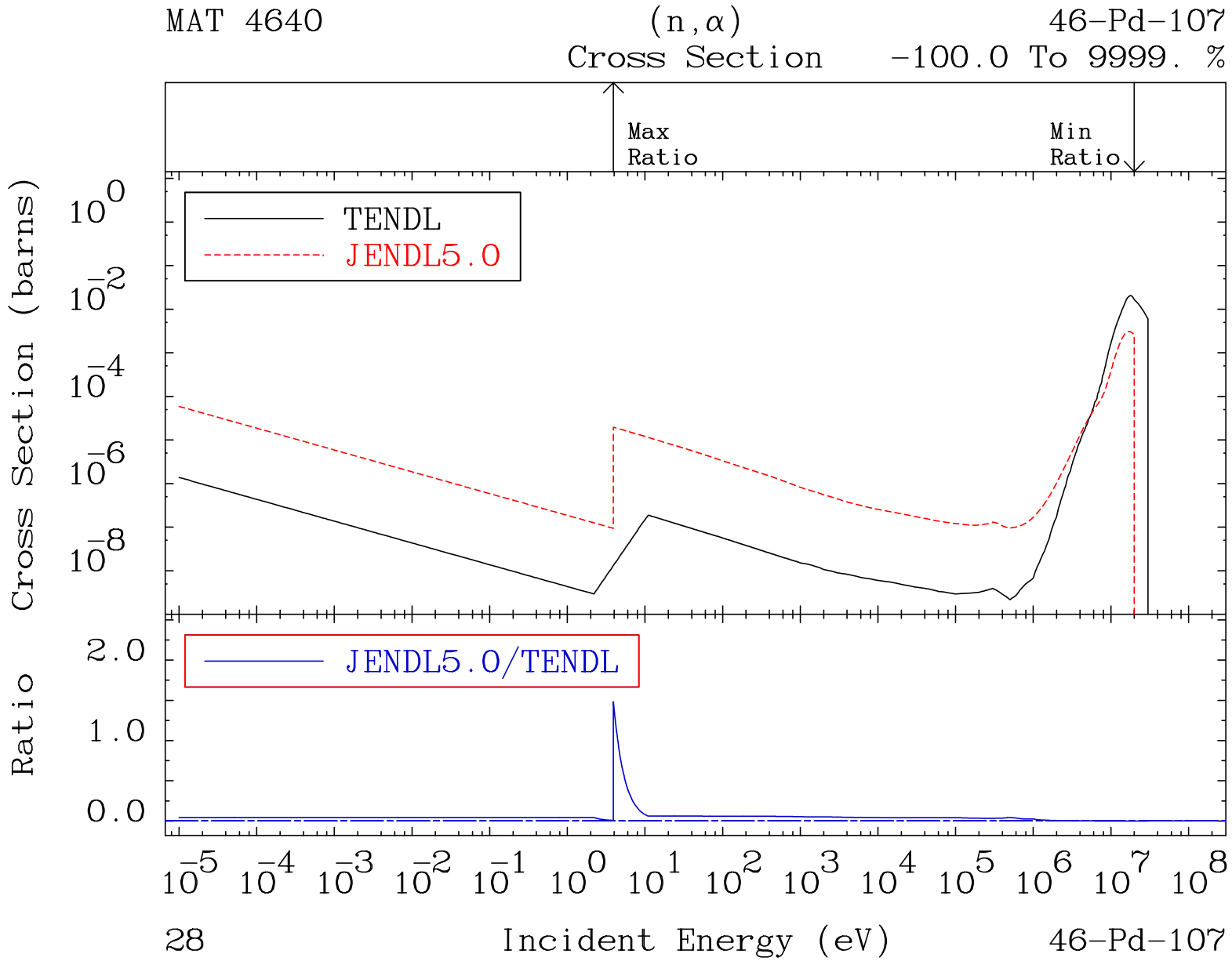

MAT 4640
(n,γ)
Cross Section
46-Pd-107
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
23
46-Pd-107

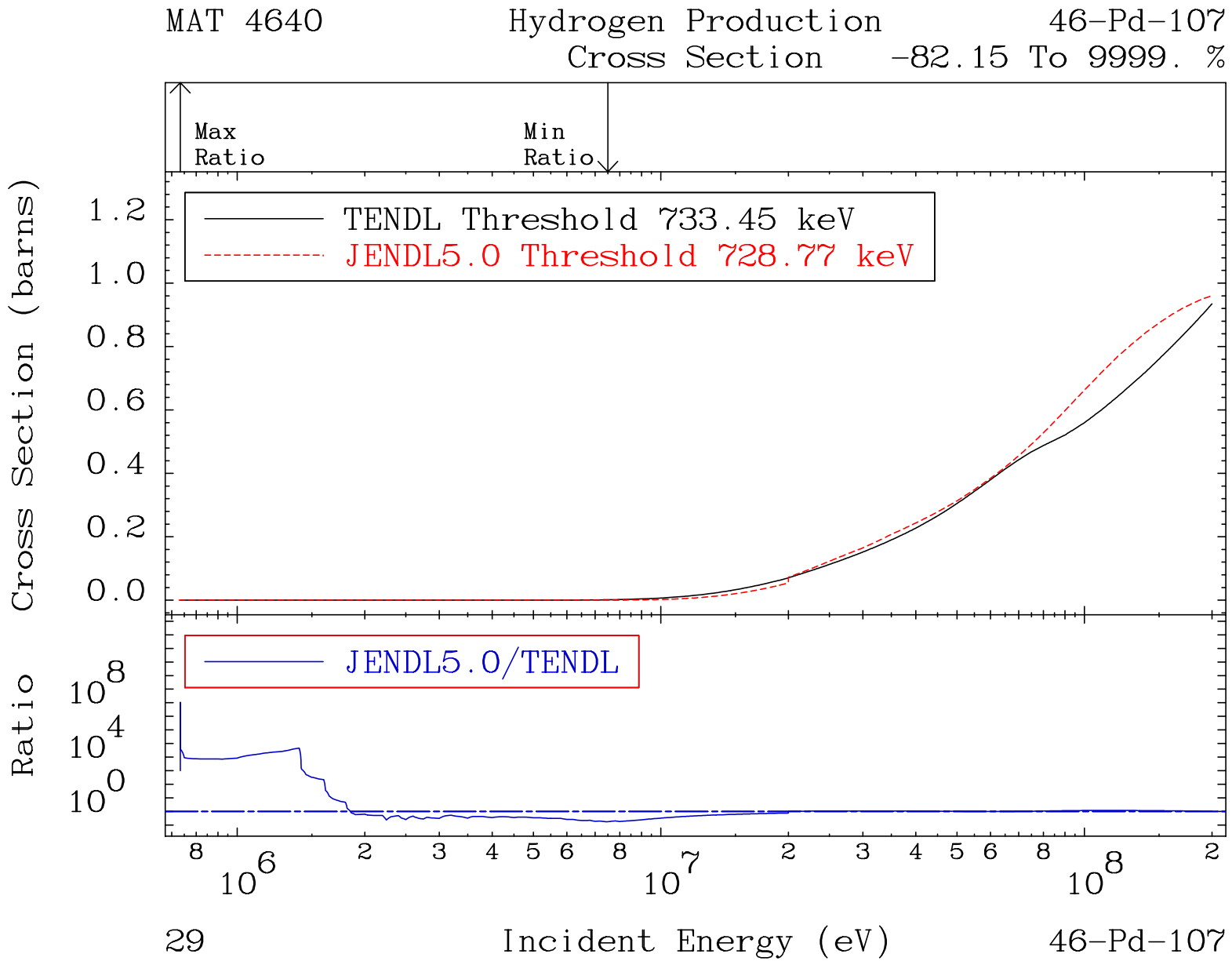

MAT 4640
(n,p)
Cross Section
46-Pd-107
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 733.45 keV
JENDL5.0 Threshold 728.77 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
120
60
0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
24
Incident Energy (eV)
46-Pd-107

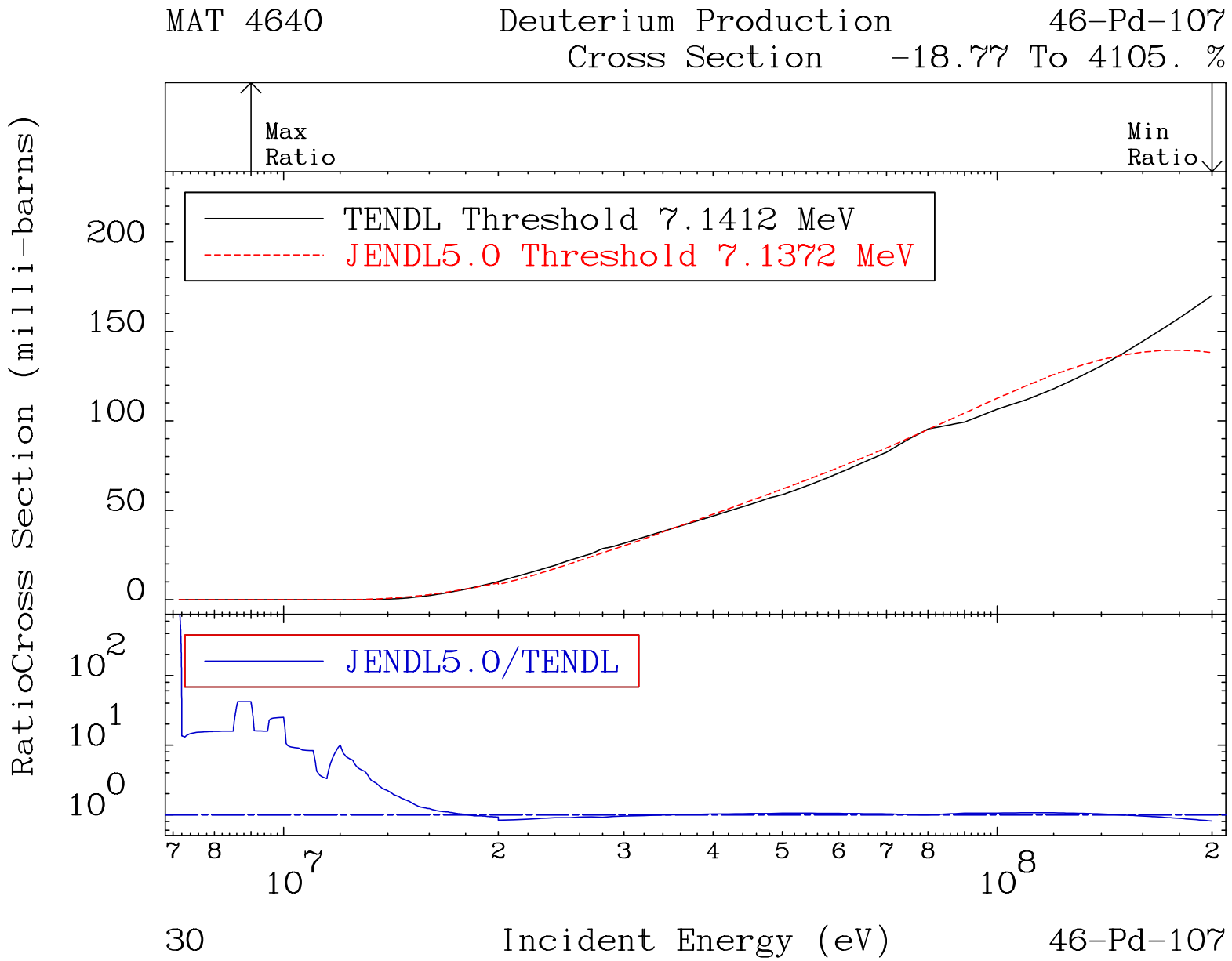

MAT 4640
(n,d)
46-Pd-107
Cross Section
-100.0 To 4105. %
Max Ratio
Min Ratio
TENDL Threshold 7.1412 MeV
JENDL5.0 Threshold 7.1372 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
25
46-Pd-107

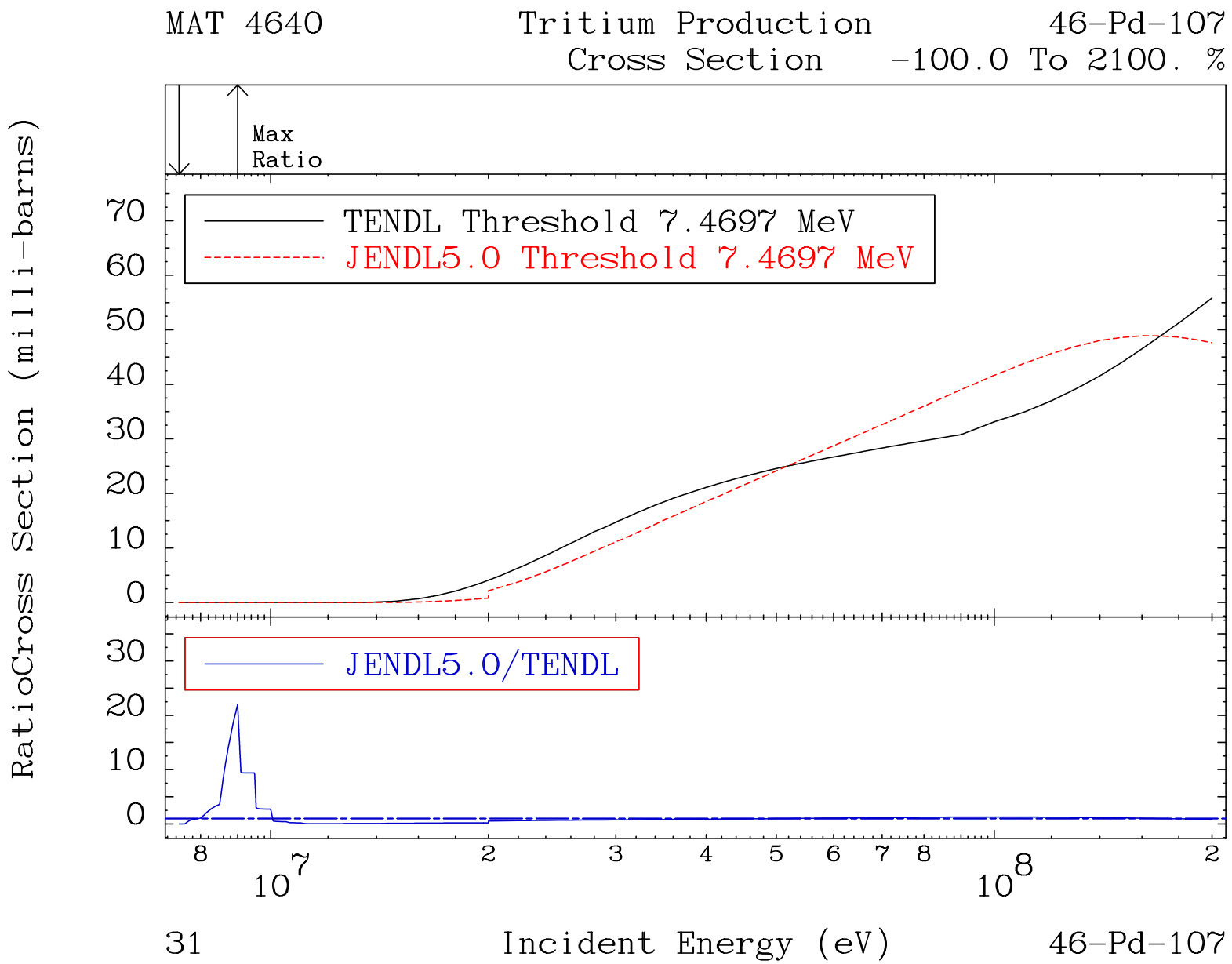

MAT 4640
(n,t)
Cross Section
46-Pd-107
-100.0 To 2100. %
Max
Ratio
TENDL Threshold 7.4697 MeV
JENDL5.0 Threshold 7.4697 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
26
46-Pd-107

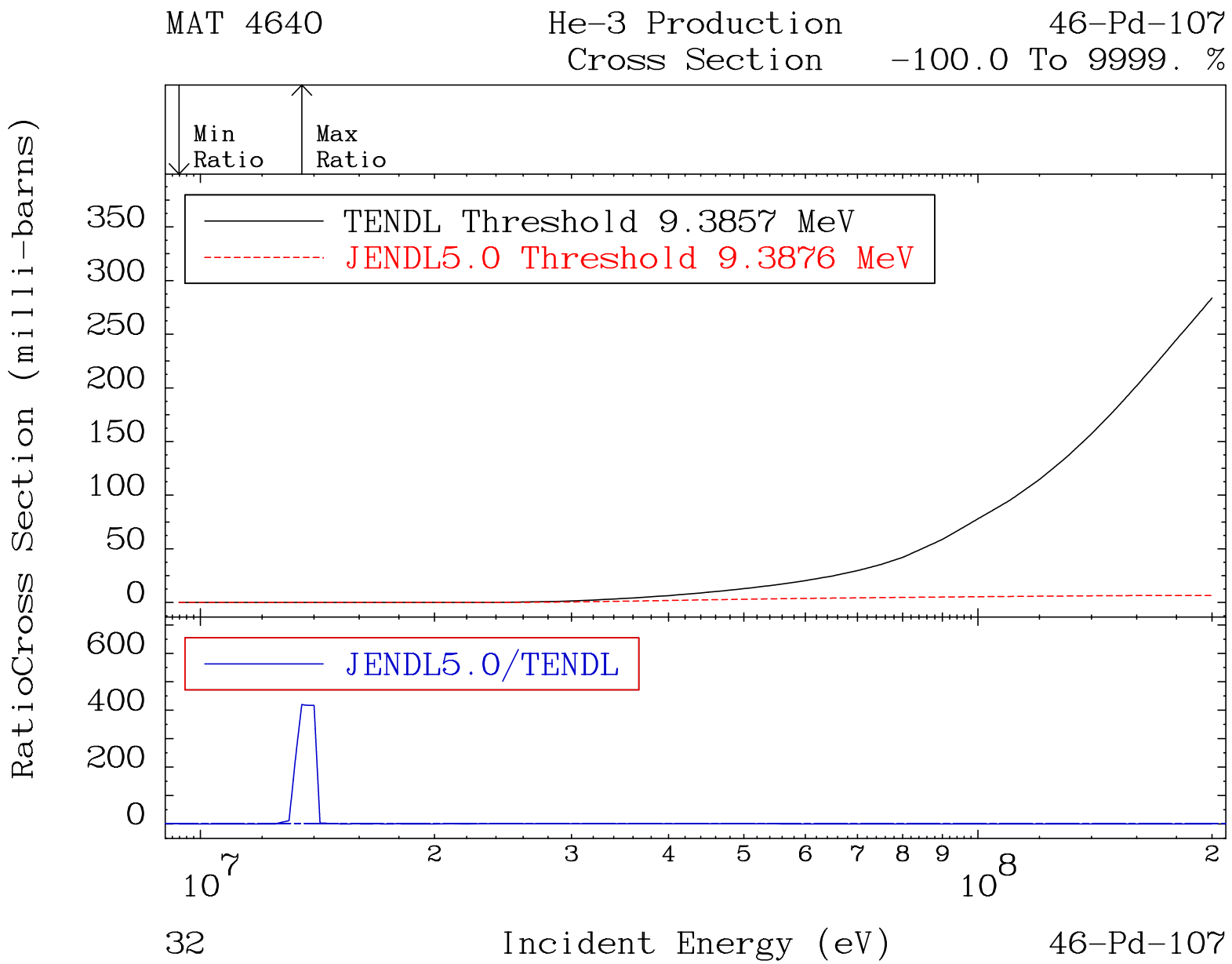

MAT 4640
(n,He-3)
Cross Section
46-Pd-107
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.3857 MeV
JENDL5.0 Threshold 9.3876 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
600
400
200
0
10^7
2
3
4
5
6
7
8
9
10^8
2
27
Incident Energy (eV)
46-Pd-107

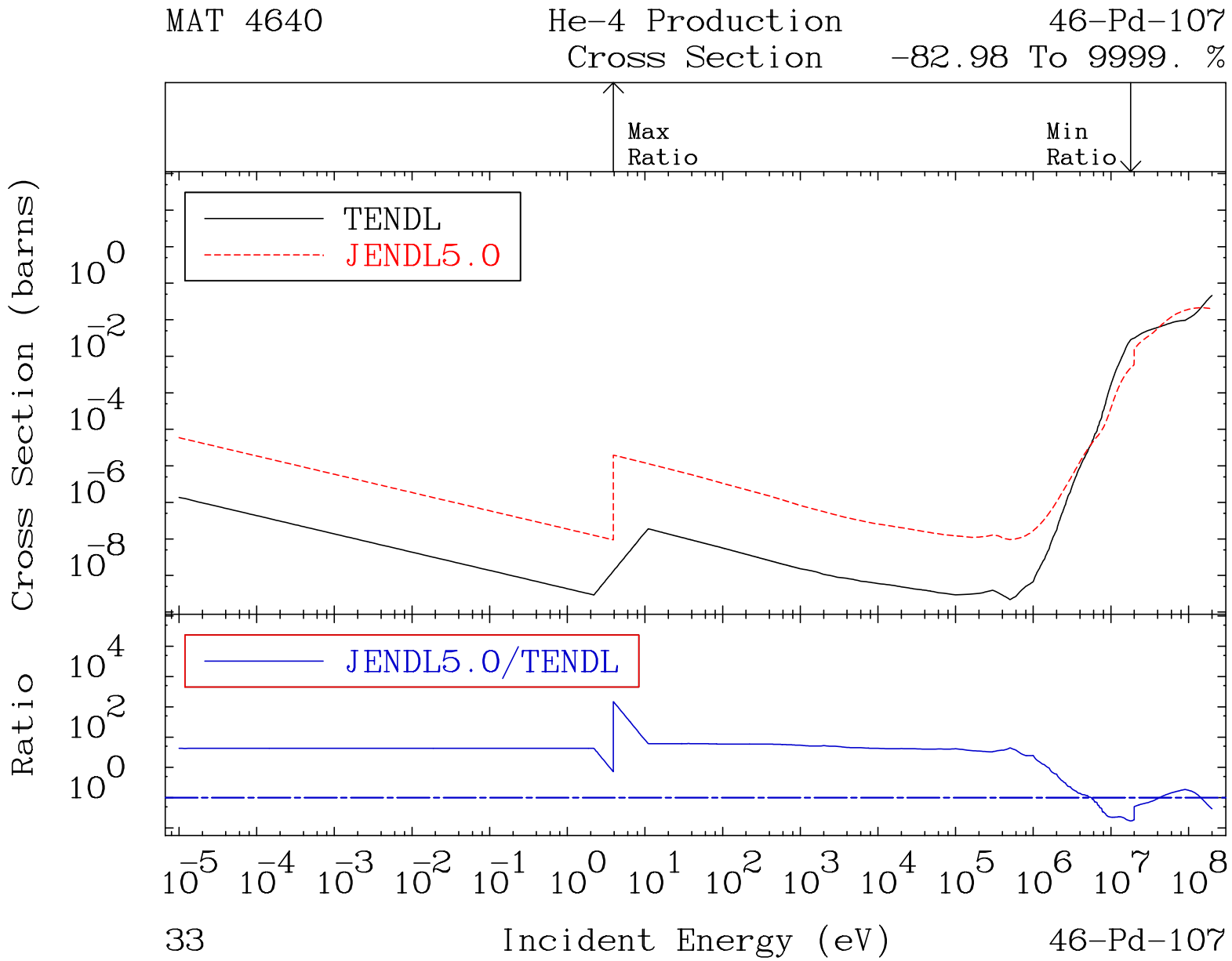

MAT 4640
(n,α)
46-Pd-107
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
28
46-Pd-107

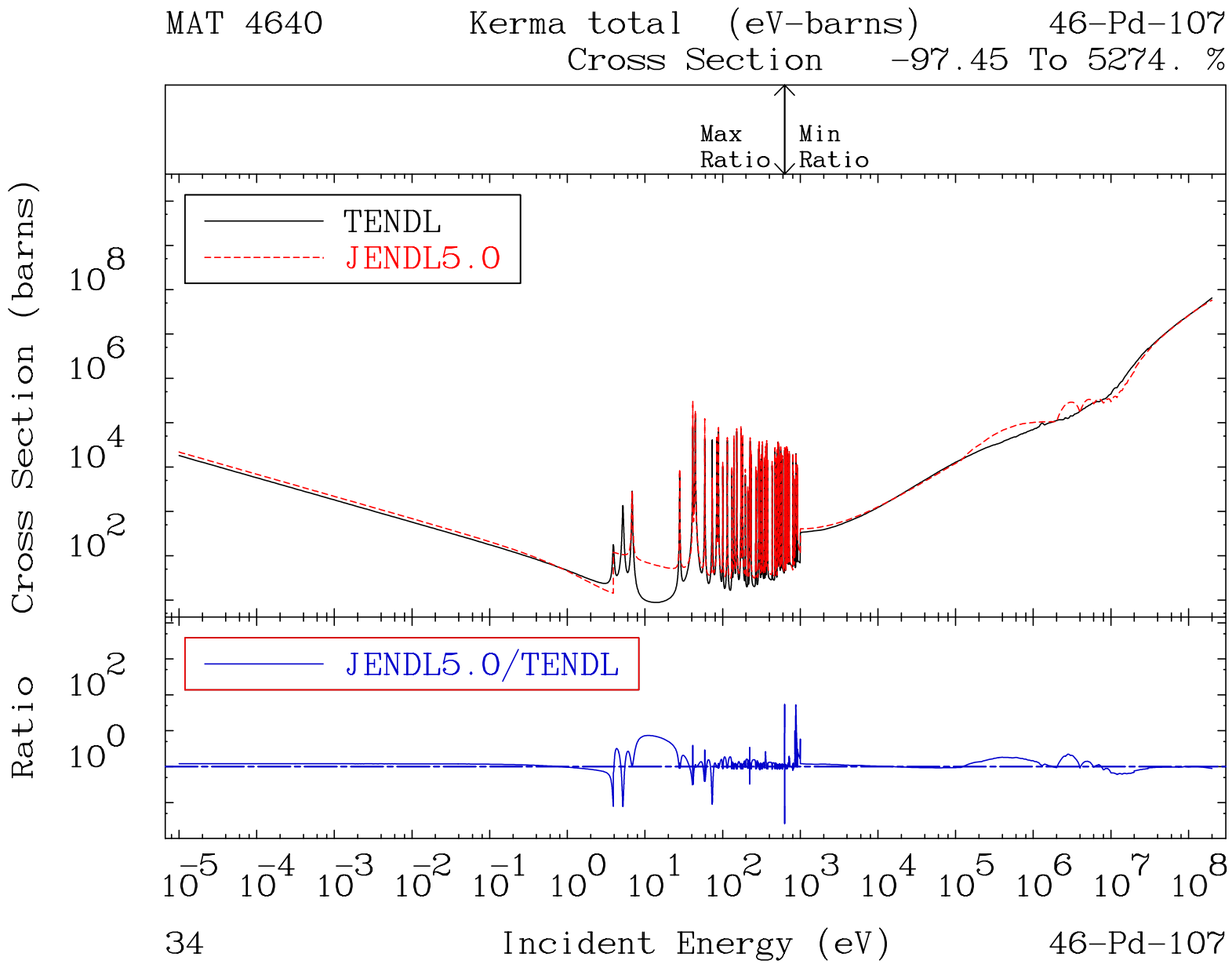

MAT 4640
Hydrogen Production
46-Pd-107
Cross Section
-82.15 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 733.45 keV
JENDL5.0 Threshold 728.77 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
10^8
10^4
10^0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
29
Incident Energy (eV)
46-Pd-107

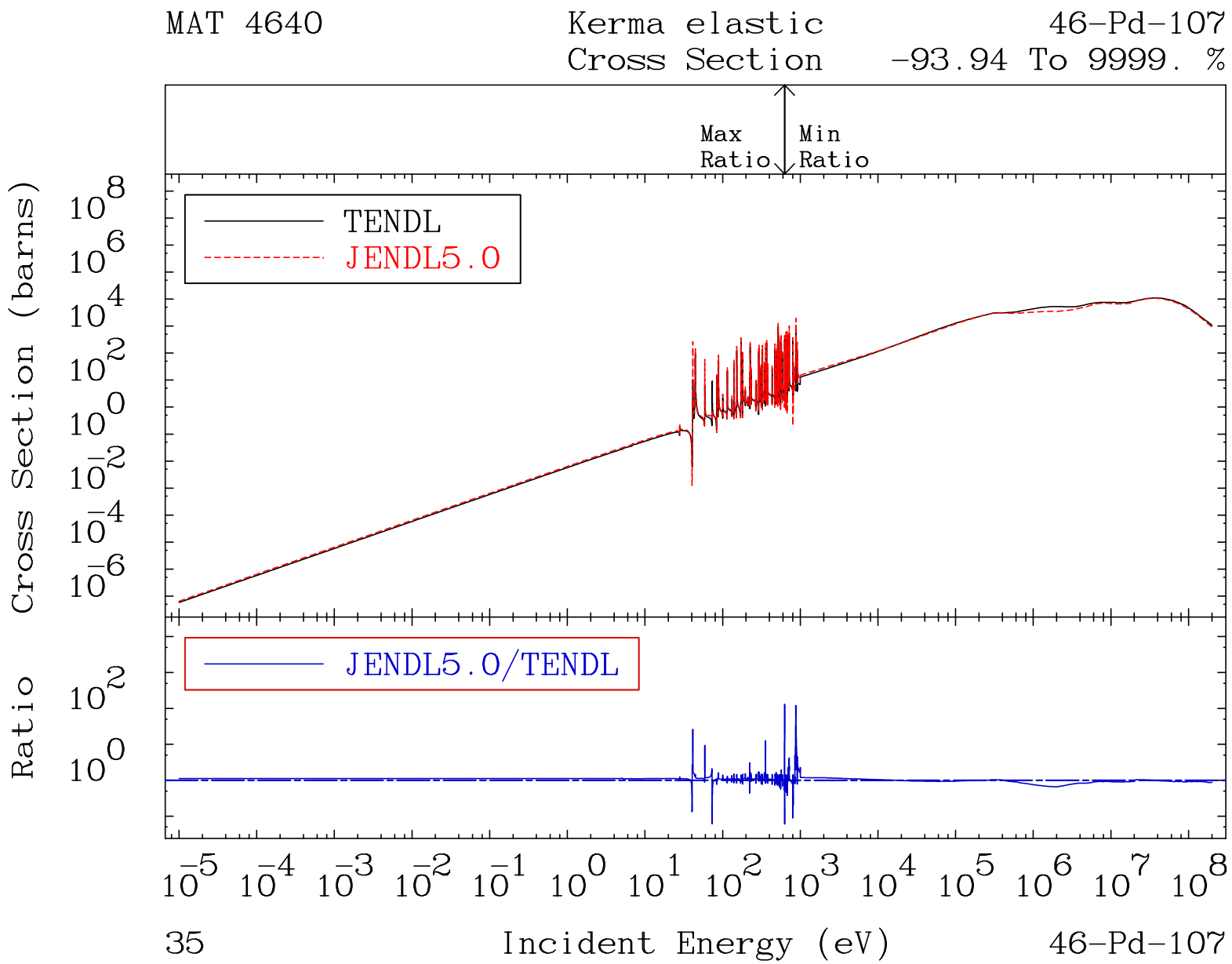

MAT 4640
Deuterium Production
46-Pd-107
Cross Section
-18.77 To 4105. %
Max Ratio
Min Ratio
TENDL Threshold 7.1412 MeV
JENDL5.0 Threshold 7.1372 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^2
10^1
10^0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
46-Pd-107

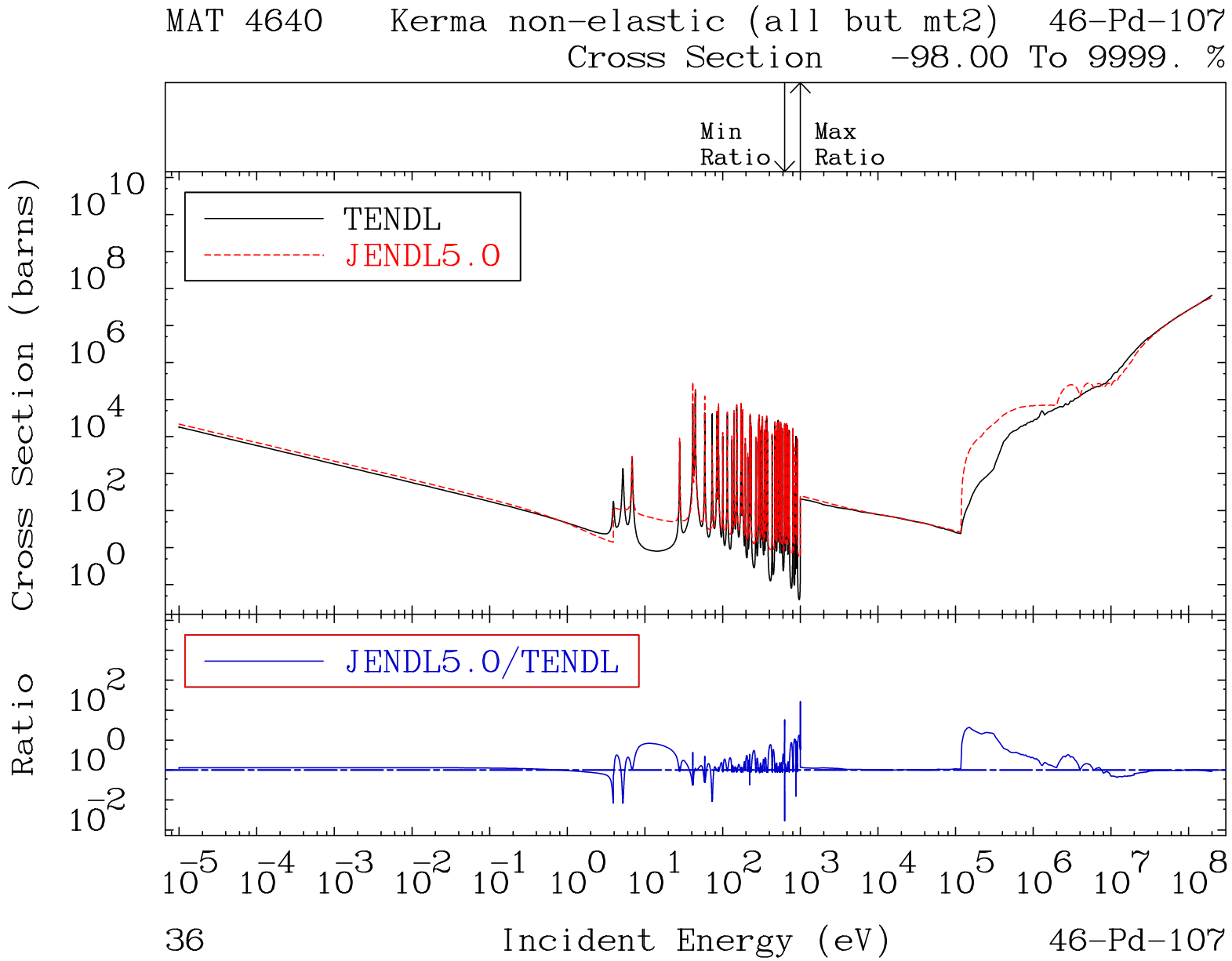

MAT 4640
Tritium Production
46-Pd-107
Cross Section
-100.0 To 2100. %
Max
Ratio
TENDL Threshold 7.4697 MeV
JENDL5.0 Threshold 7.4697 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
30
20
10
0
8
2
3
4
5
6
7
8
2
10^7
10^8
31
Incident Energy (eV)
46-Pd-107

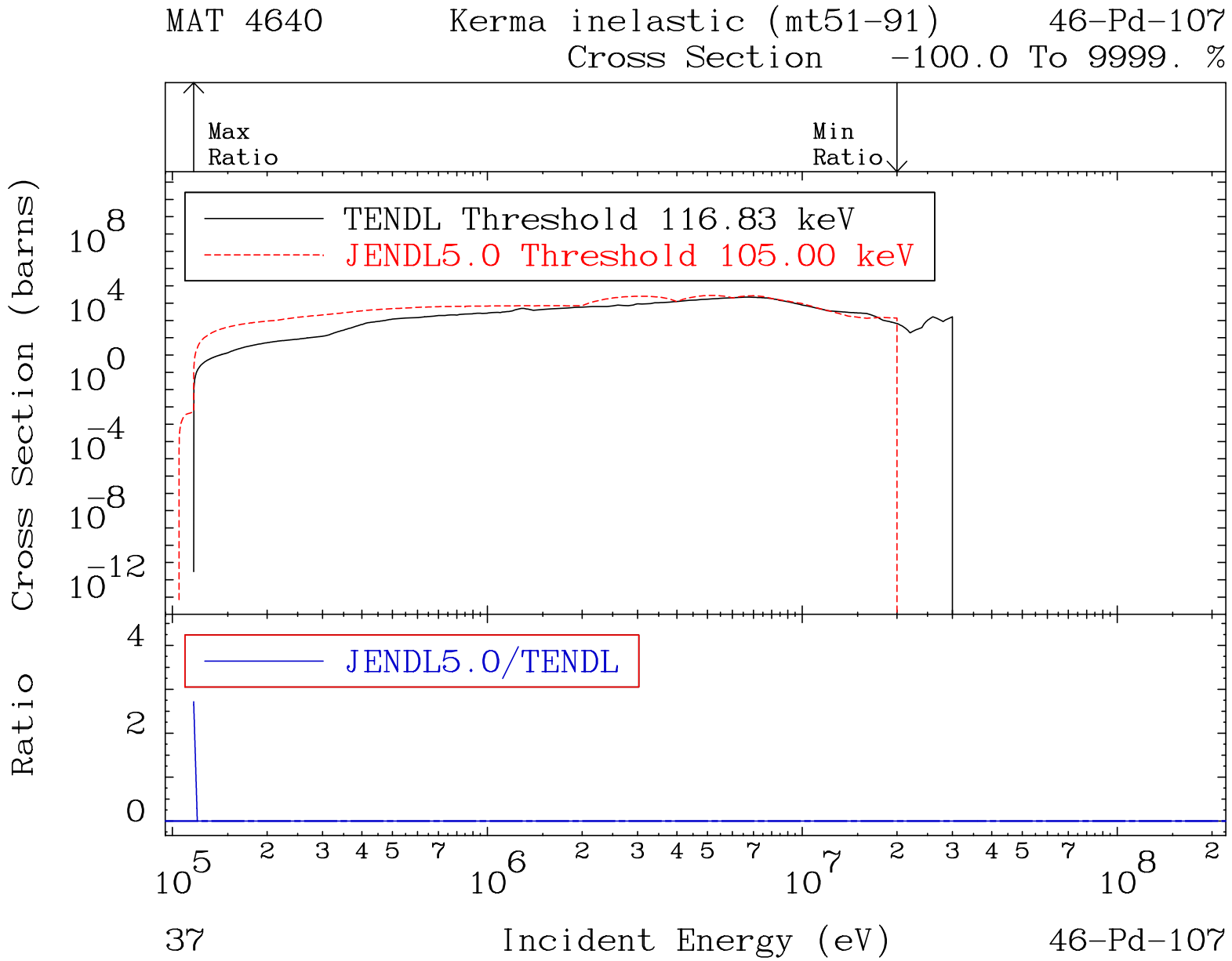

MAT 4640
He-3 Production
Cross Section
46-Pd-107
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.3857 MeV
JENDL5.0 Threshold 9.3876 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
600
400
200
0
10^7
2
3
4
5
6
7
8
9
10^8
2
32
Incident Energy (eV)
46-Pd-107

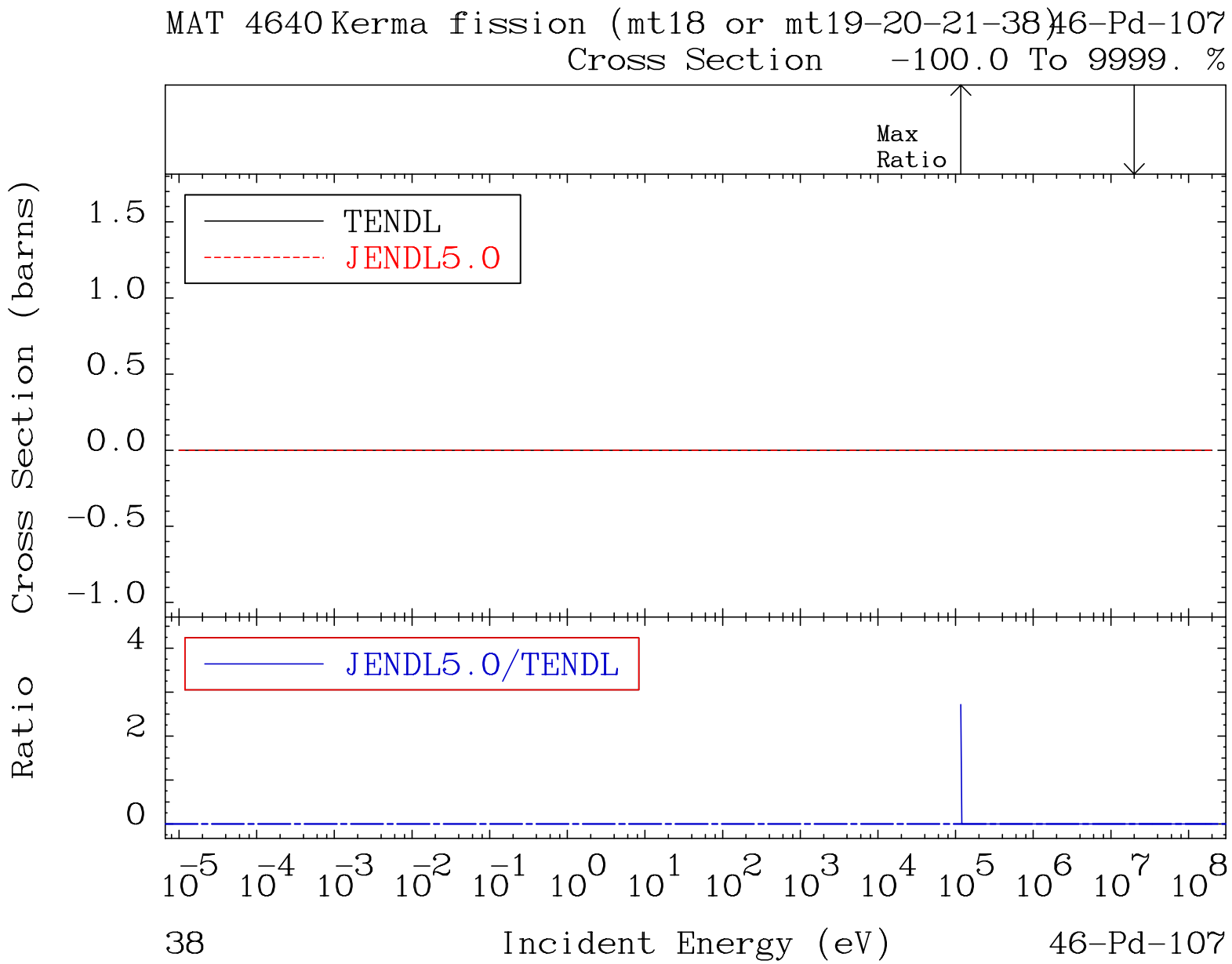

MAT 4640
He-4 Production
Cross Section
46-Pd-107
-82.98 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
33
46-Pd-107

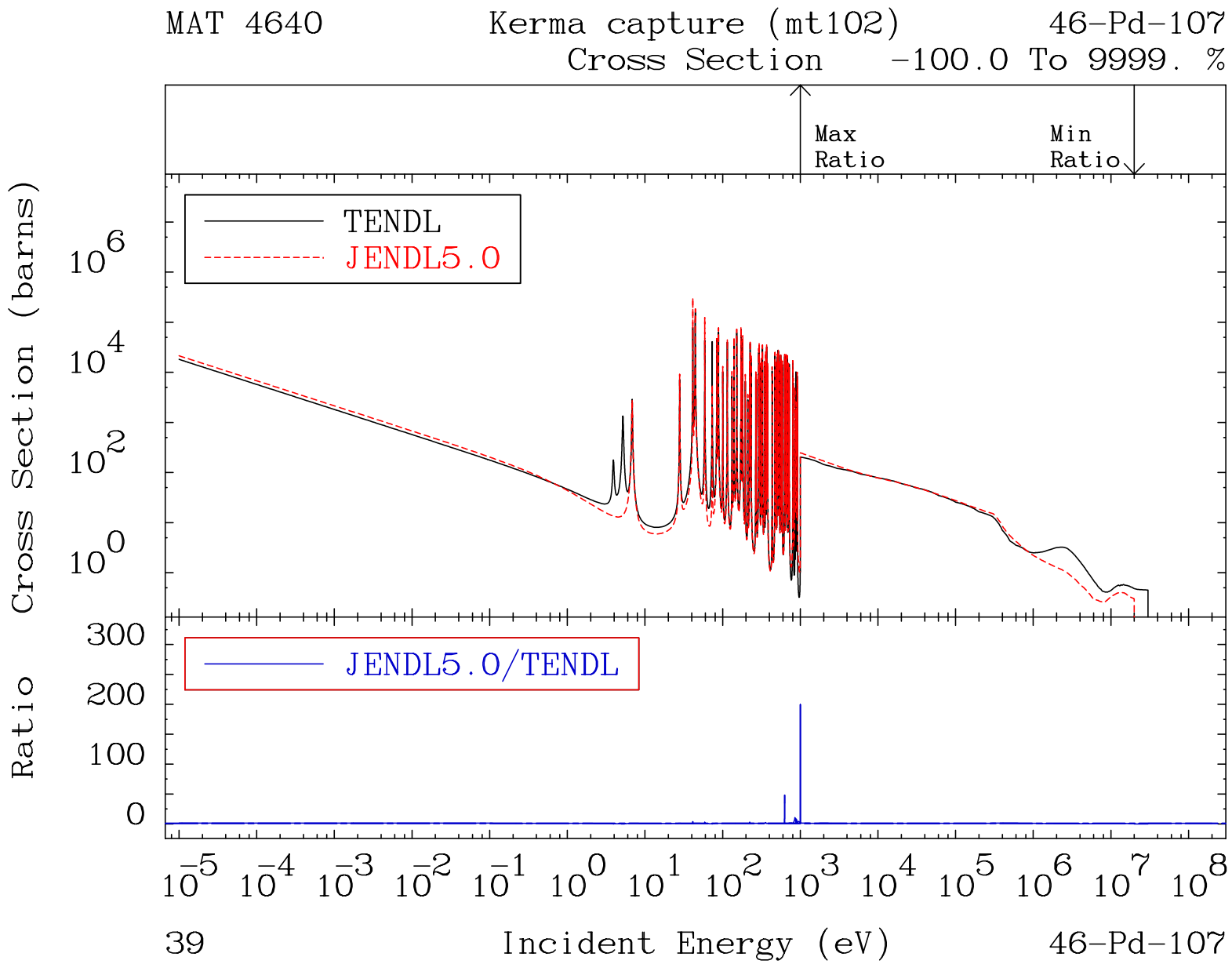

MAT 4640
Kerma total (eV-barns)
46-Pd-107
Cross Section -97.45 To 5274. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
34
46-Pd-107

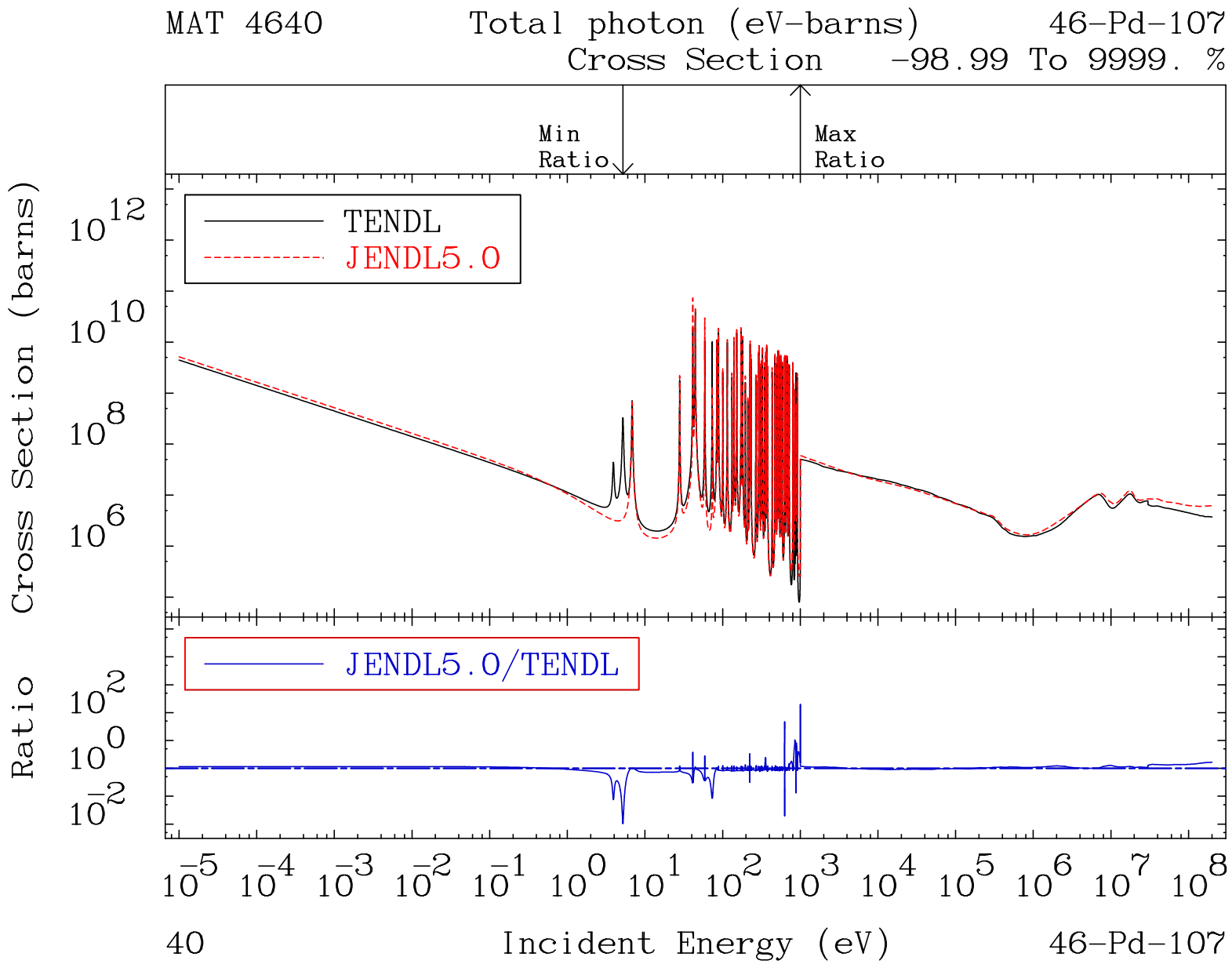

MAT 4640
Kerma elastic
Cross Section
46-Pd-107
-93.94 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
35
46-Pd-107

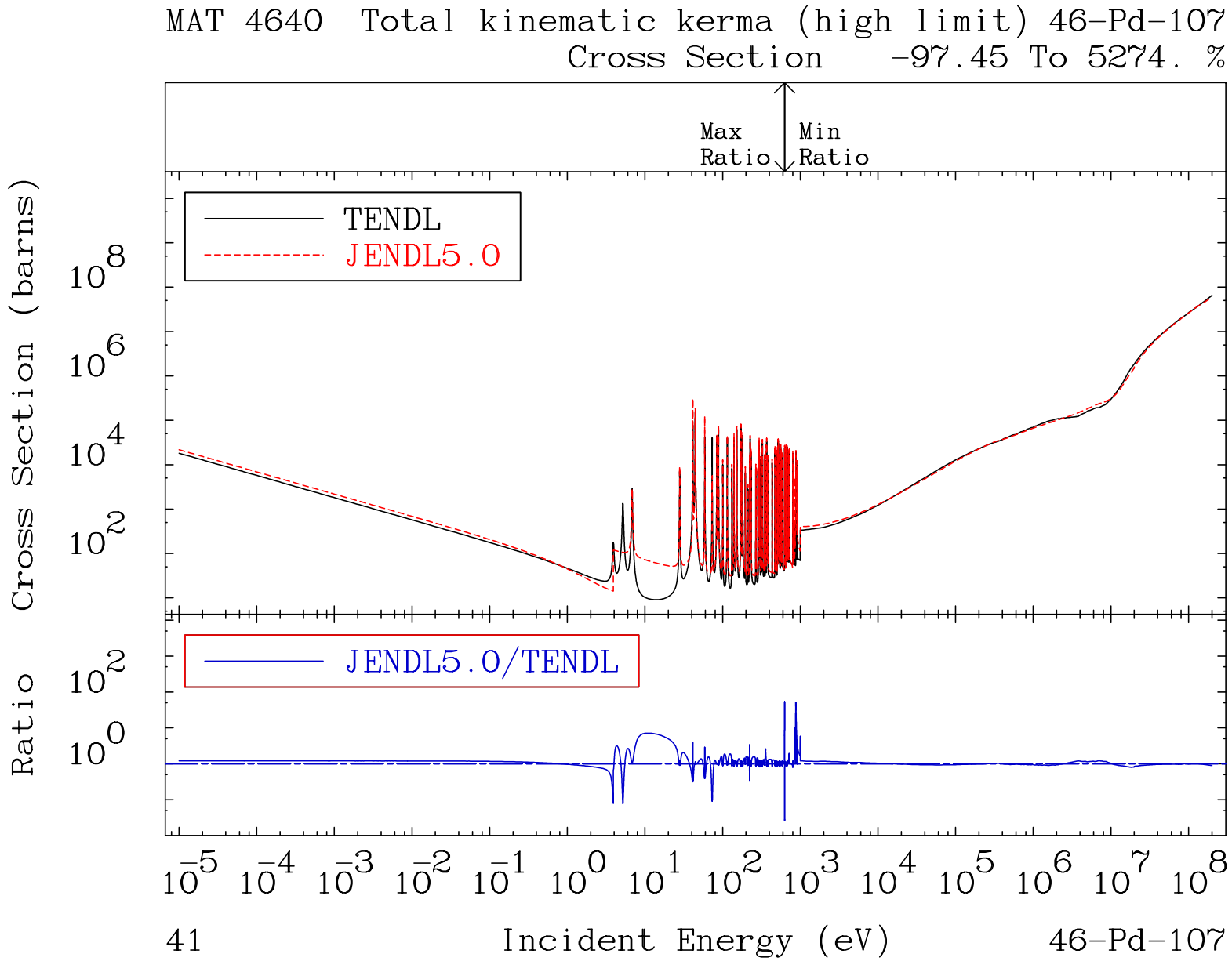

MAT 4640 Kerma non-elastic (all but mt2) 46-Pd-107
Cross Section -98.00 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
46-Pd-107

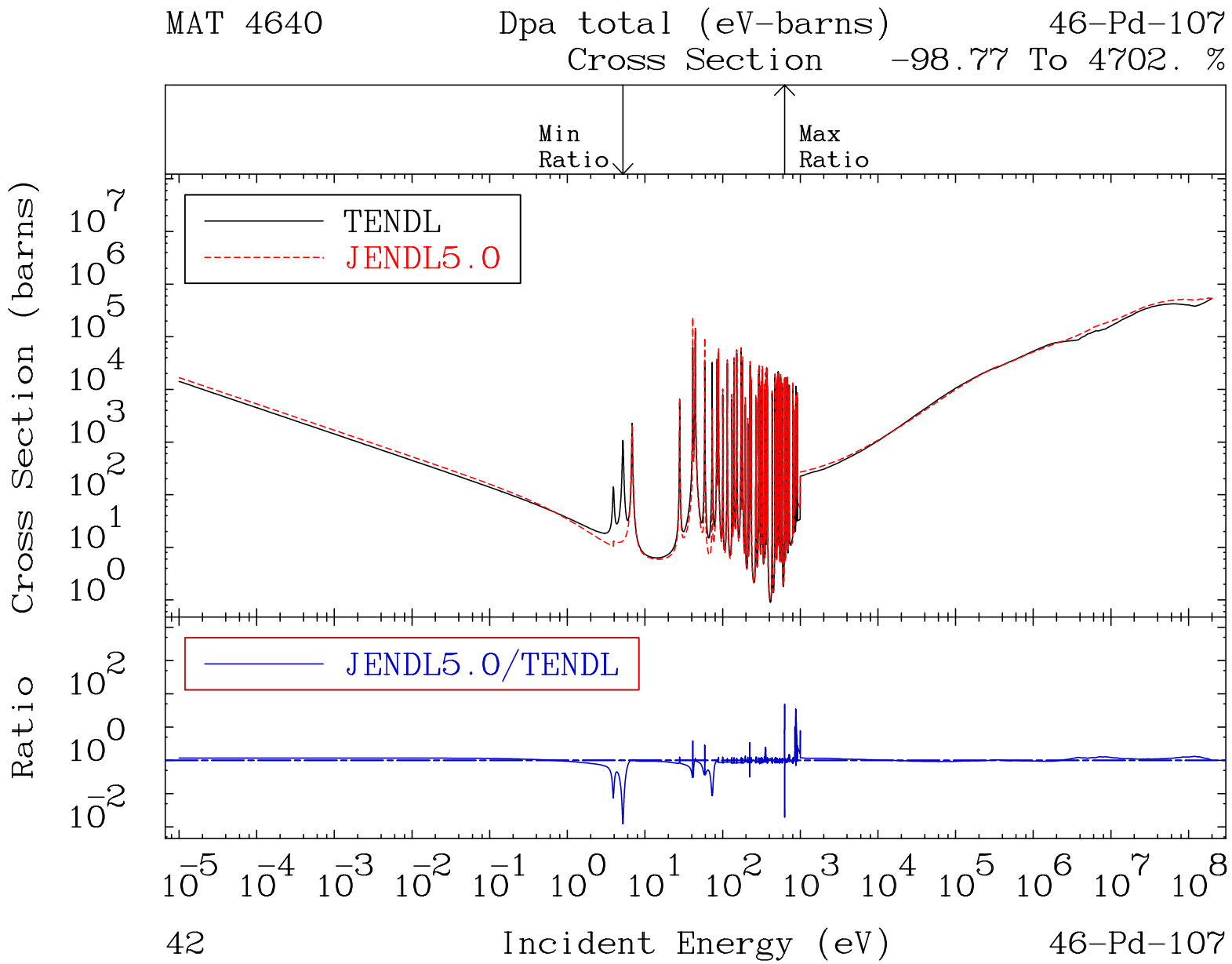

MAT 4640
Kerma inelastic (mt51-91)
46-Pd-107
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 116.83 keV
JENDL5.0 Threshold 105.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
37
46-Pd-107

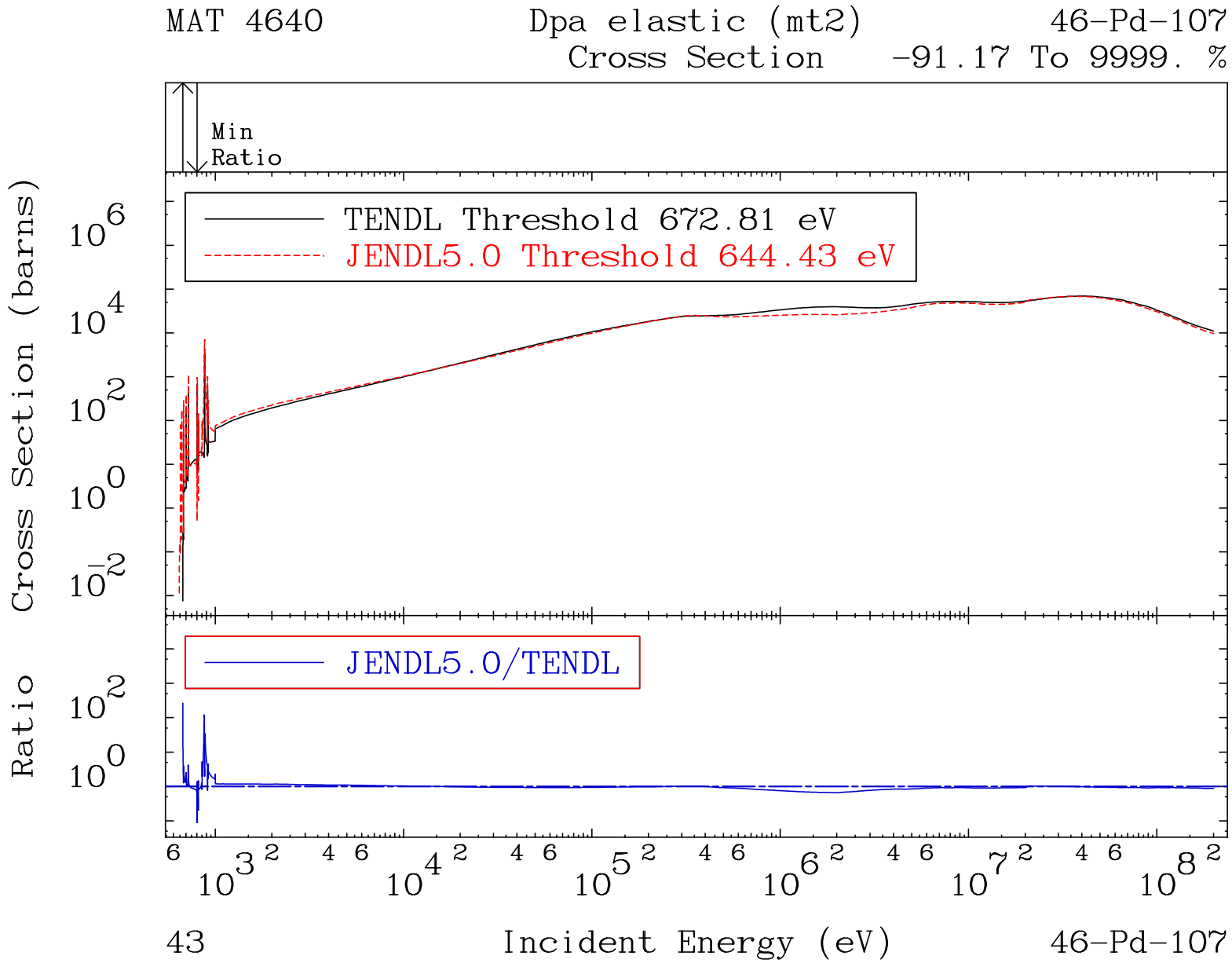

MAT 4640 Kerma fission (mt18 or mt19-20-21-38) 46-Pd-107
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
4
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
38
Incident Energy (eV)
46-Pd-107

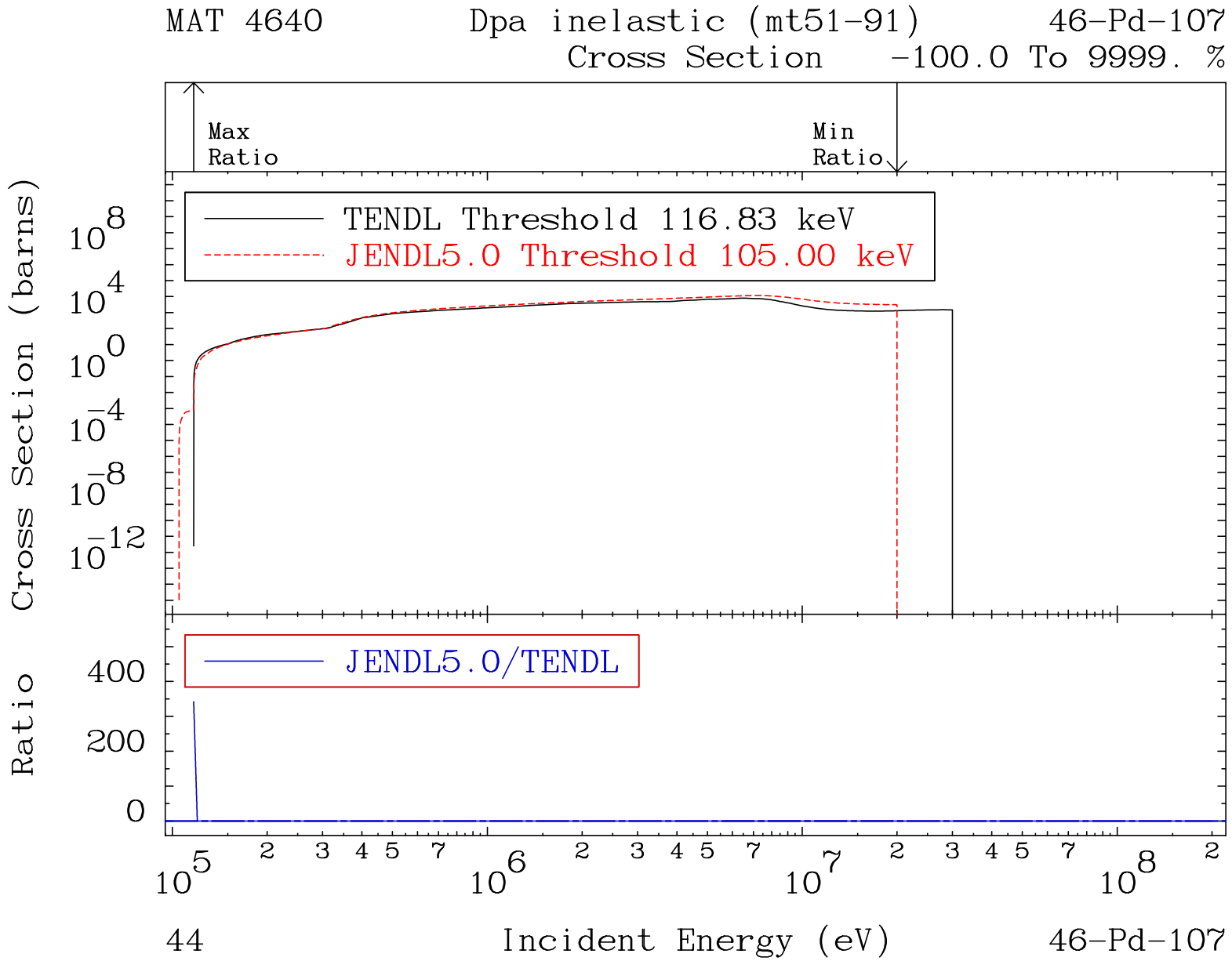

MAT 4640
Kerma capture (mt102)
46-Pd-107
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
39
46-Pd-107

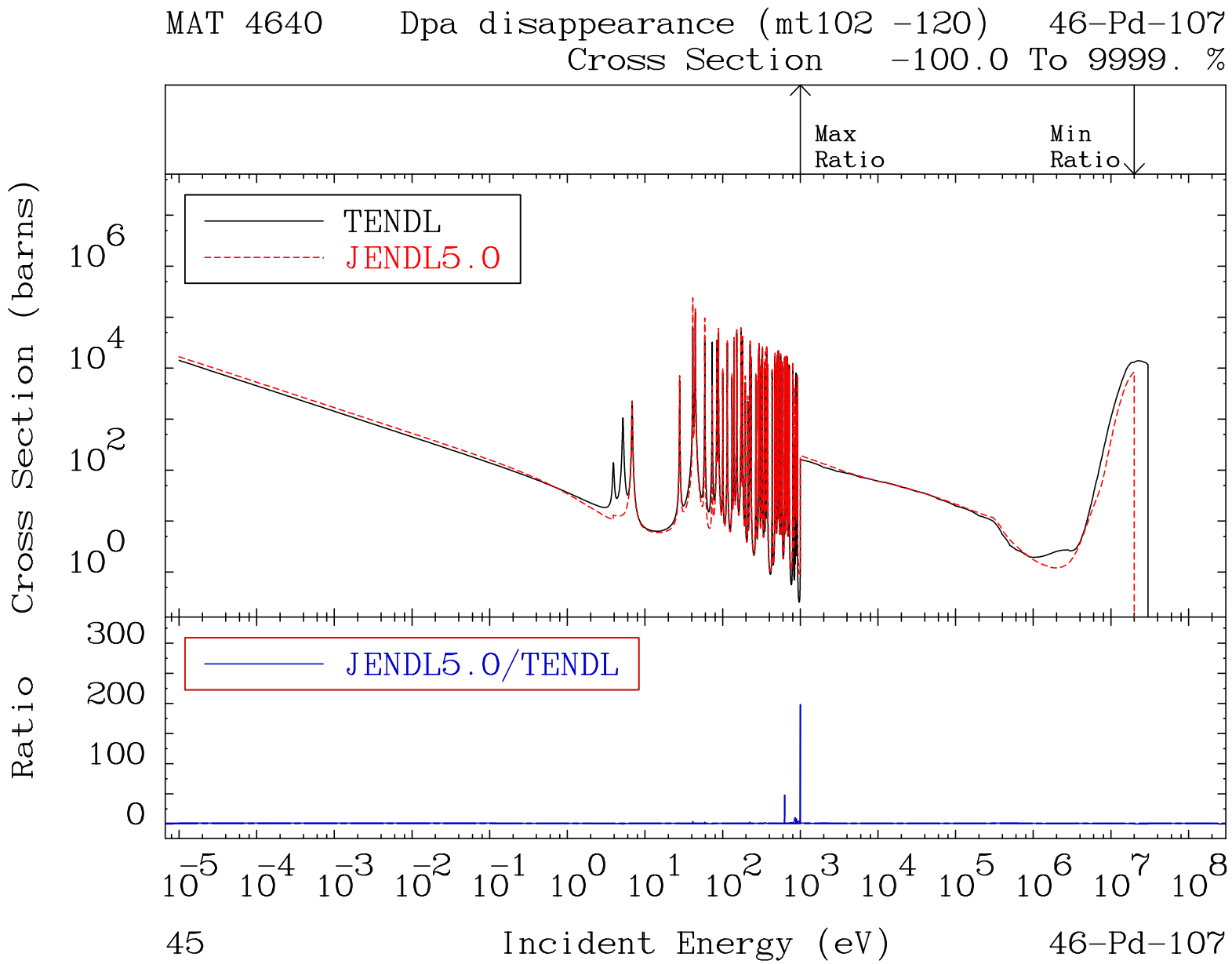

MAT 4640
Total photon (eV-barns)
46-Pd-107
Cross Section -98.99 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
40
46-Pd-107

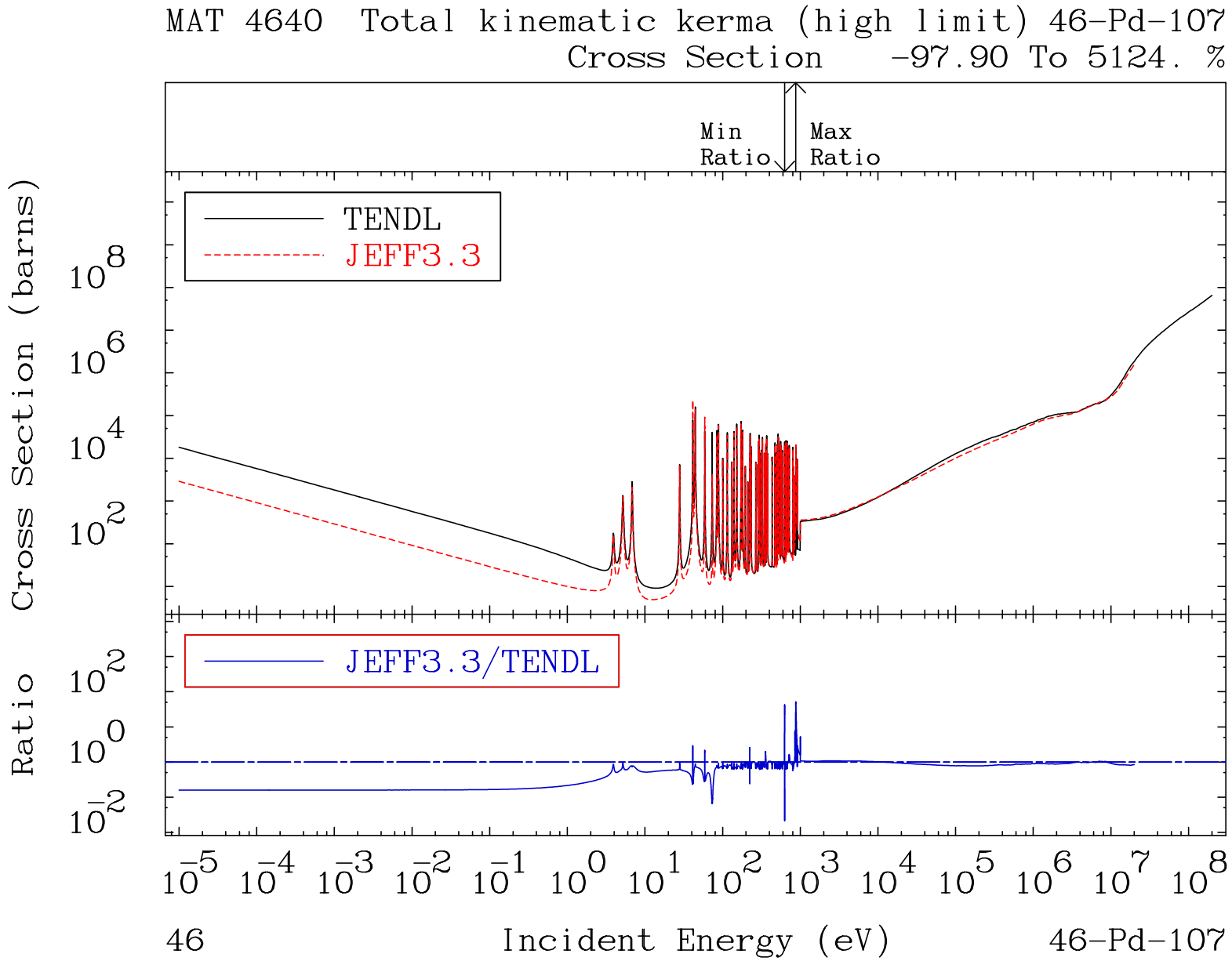

MAT 4640 Total kinematic kerma (high limit) 46-Pd-107
Cross Section -97.45 To 5274. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
41
46-Pd-107

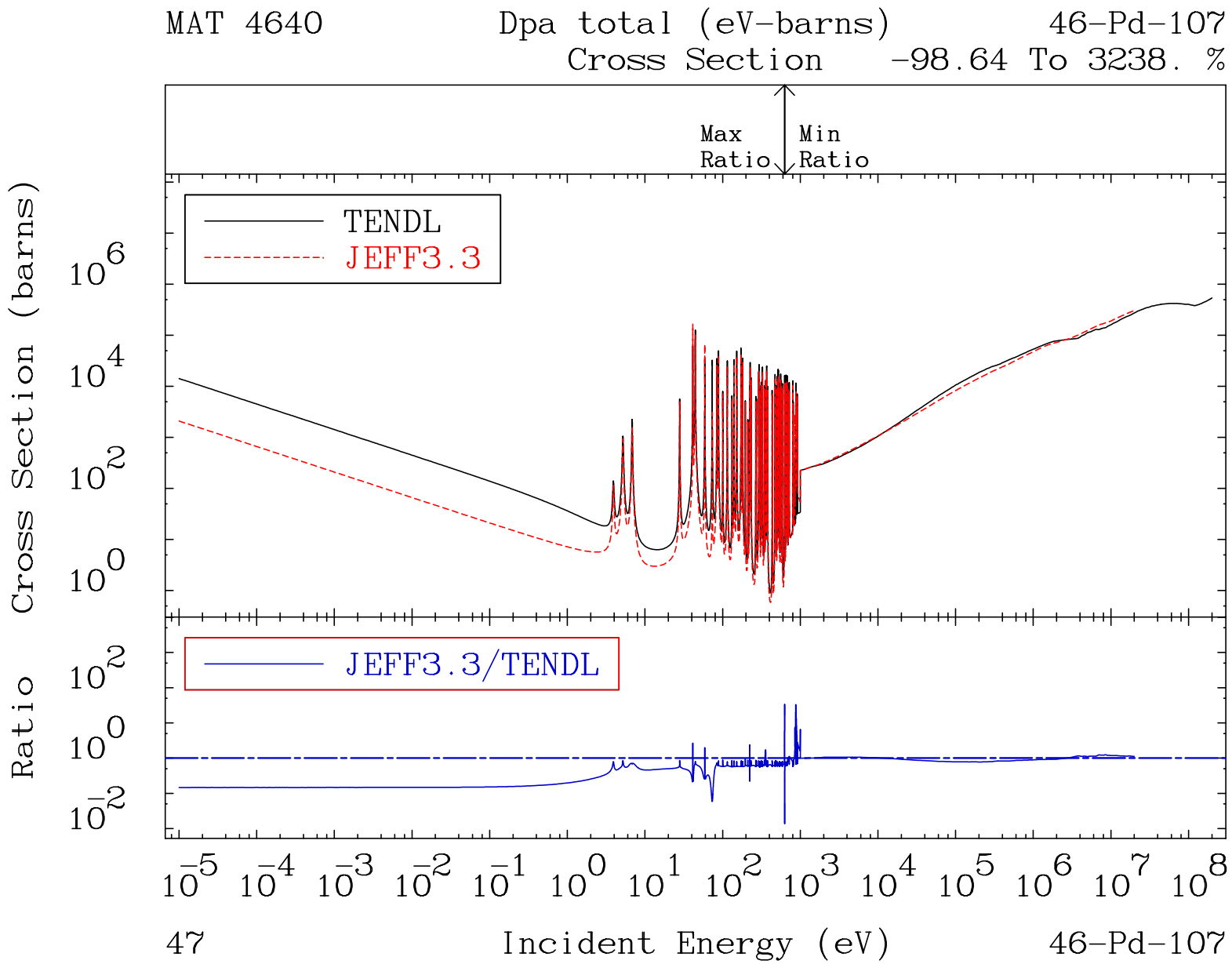

MAT 4640
Dpa total (eV-barns)
46-Pd-107
Cross Section -98.77 To 4702. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
42
46-Pd-107

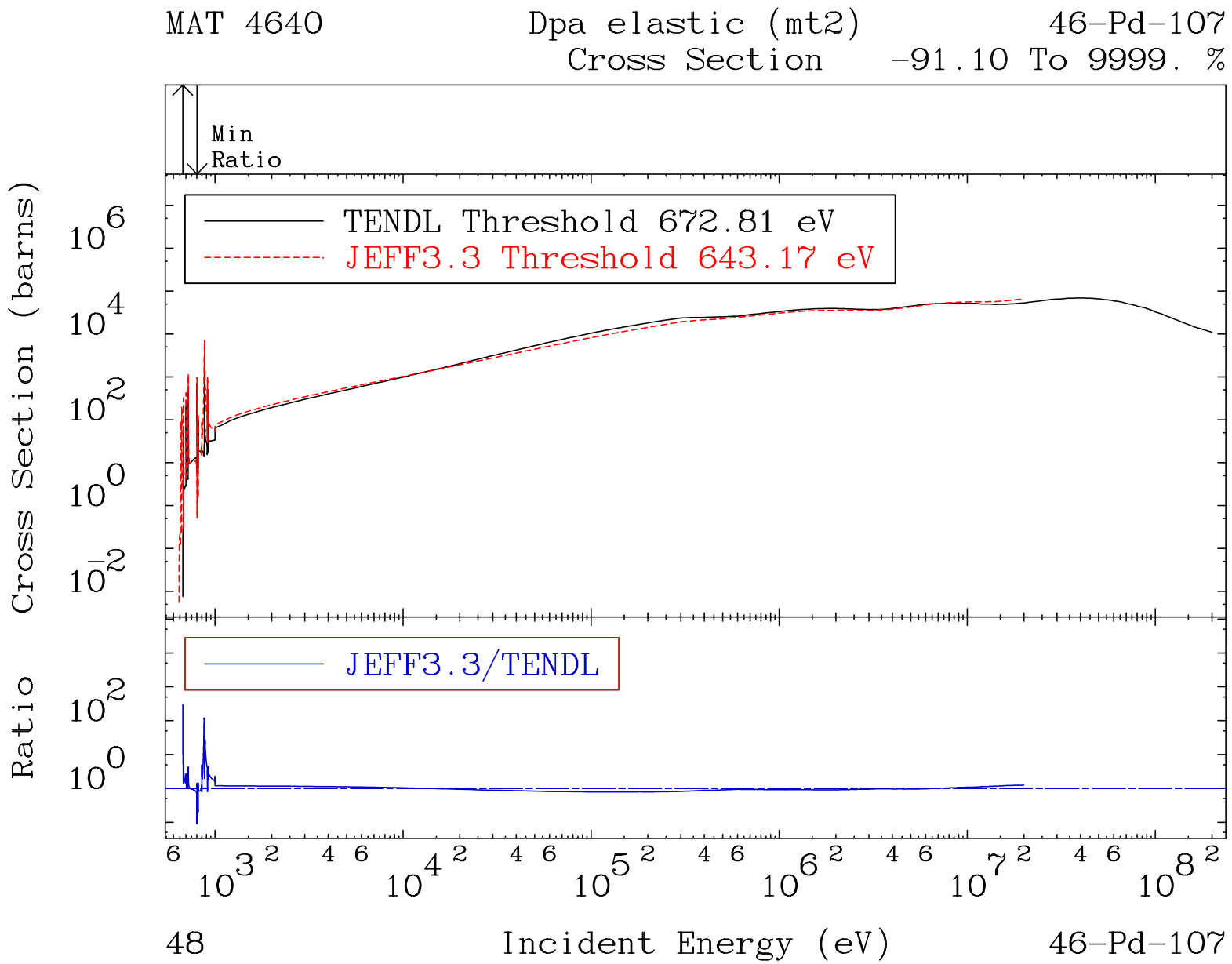

MAT 4640
Dpa elastic (mt2)
Cross Section
46-Pd-107
-91.17 To 9999. %
Min
Ratio
TENDL Threshold 672.81 eV
JENDL5.0 Threshold 644.43 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
46-Pd-107

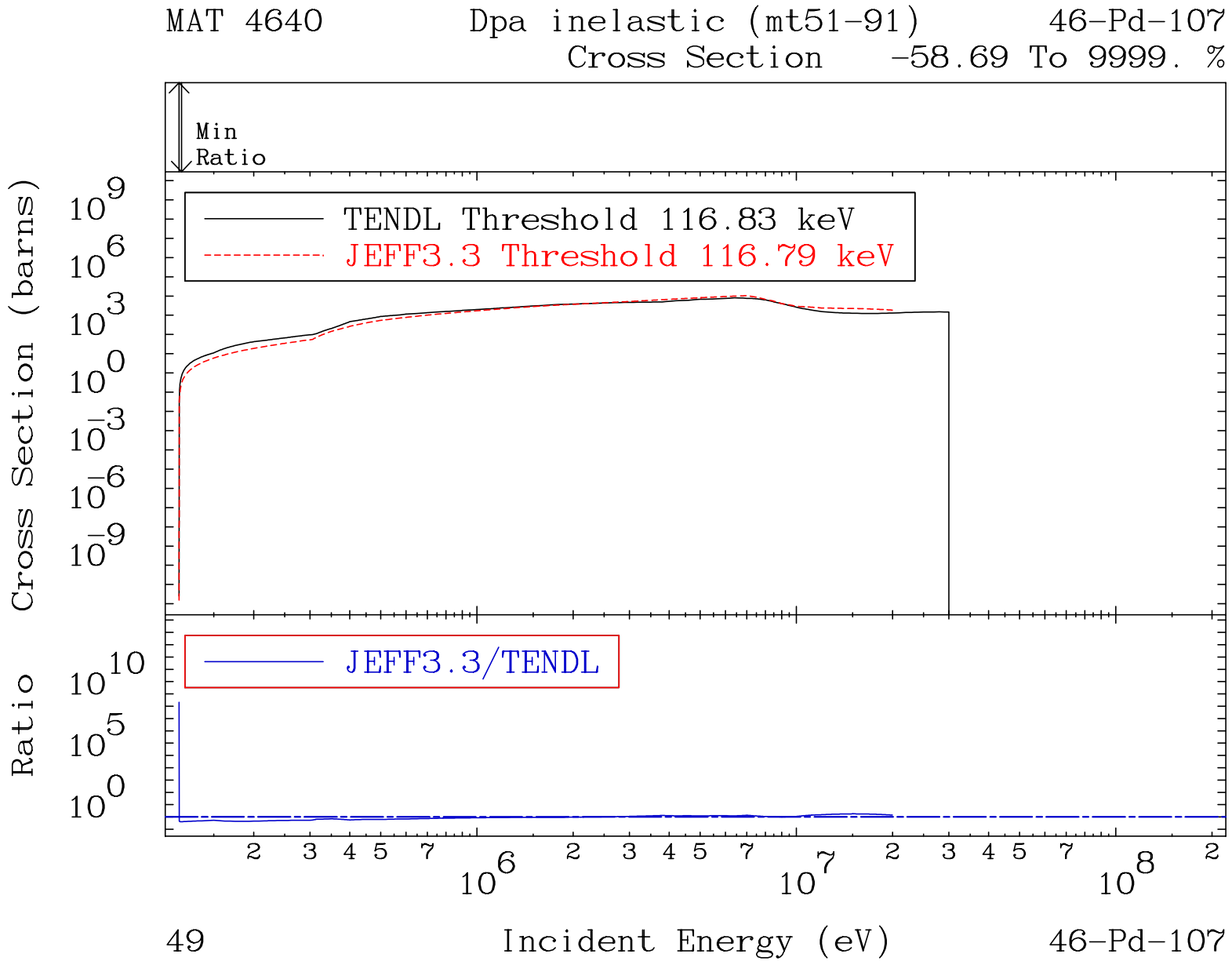

MAT 4640
Dpa inelastic (mt51-91)
46-Pd-107
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 116.83 keV
JENDL5.0 Threshold 105.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
44
46-Pd-107

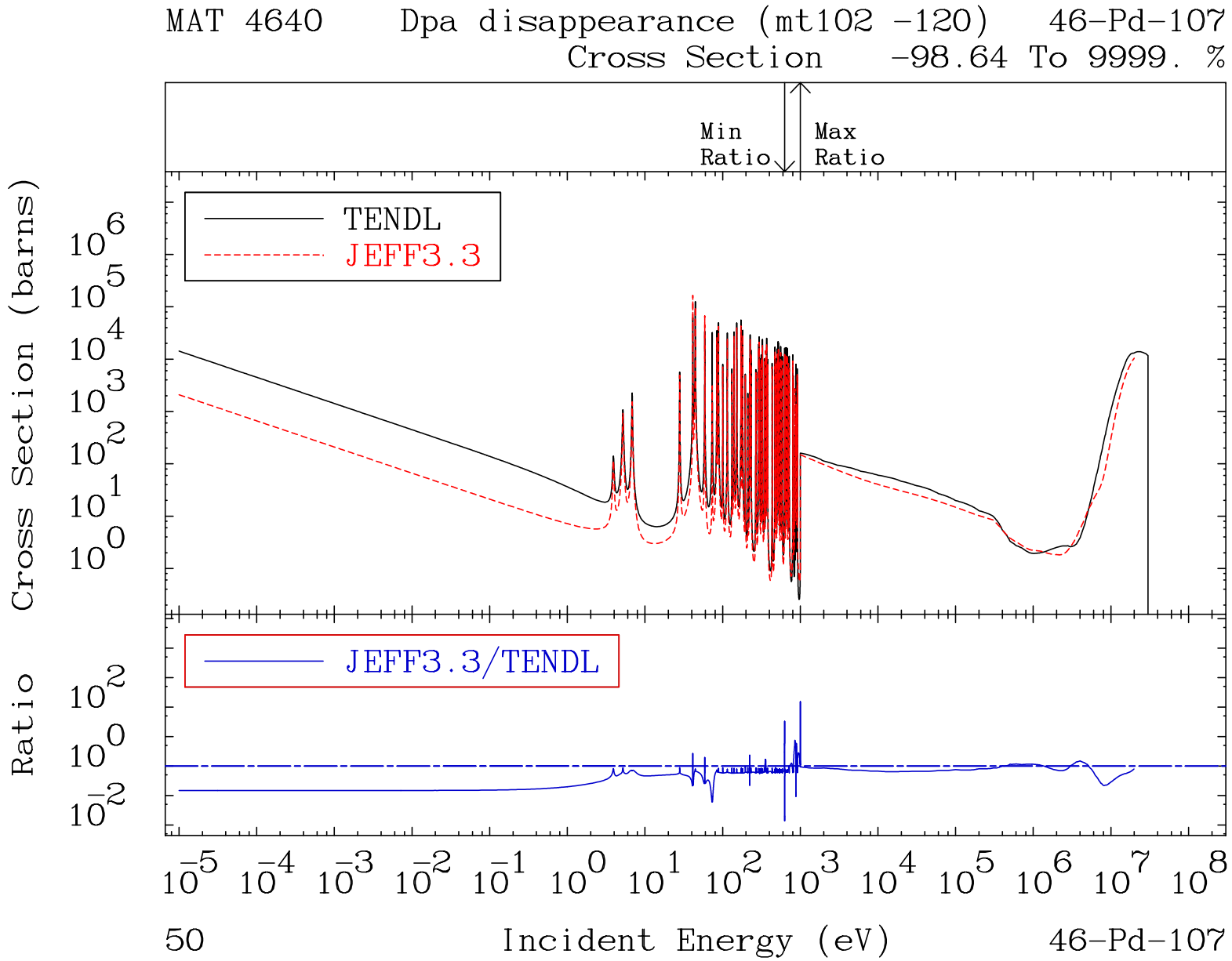

MAT 4640 Dpa disappearance (mt102 -120) 46-Pd-107
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
46-Pd-107


MAT 4640 Total kinematic kerma (high limit) 46-Pd-107
Cross Section -97.90 To 5124. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
46-Pd-107


MAT 4640
Dpa total (eV-barns)
46-Pd-107
Cross Section
-98.64 To 3238. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
46-Pd-107


MAT 4640
Dpa elastic (mt2)
Cross Section
46-Pd-107
-91.10 To 9999. %
Min
Ratio
TENDL Threshold 672.81 eV
JEFF3.3 Threshold 643.17 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
46-Pd-107


MAT 4640
Dpa inelastic (mt51-91)
46-Pd-107
Cross Section -58.69 To 9999. %
Min
Ratio
TENDL Threshold 116.83 keV
JEFF3.3 Threshold 116.79 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
46-Pd-107


MAT 4640 Dpa disappearance (mt102 -120) 46-Pd-107
Cross Section -98.64 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
50
46-Pd-107