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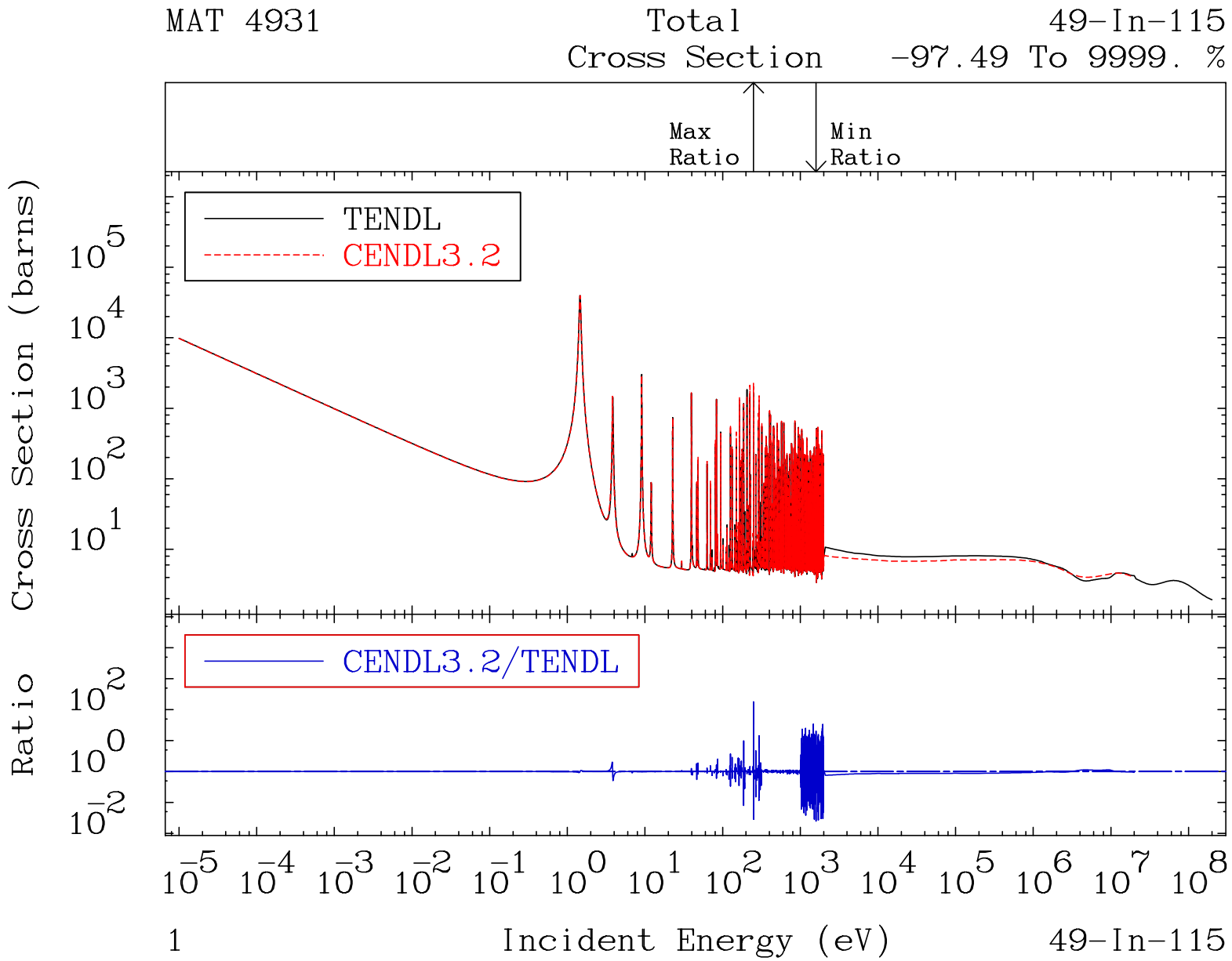
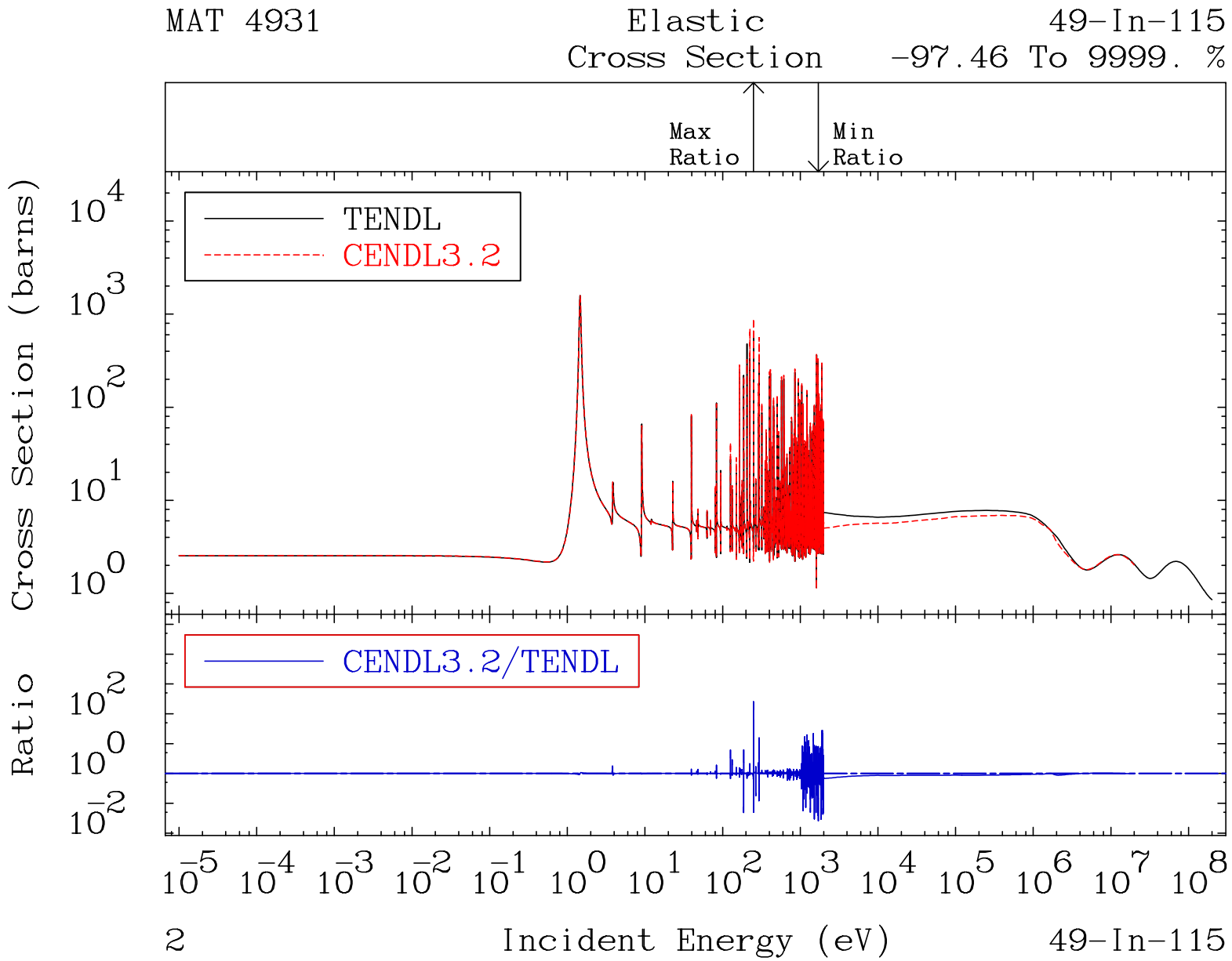
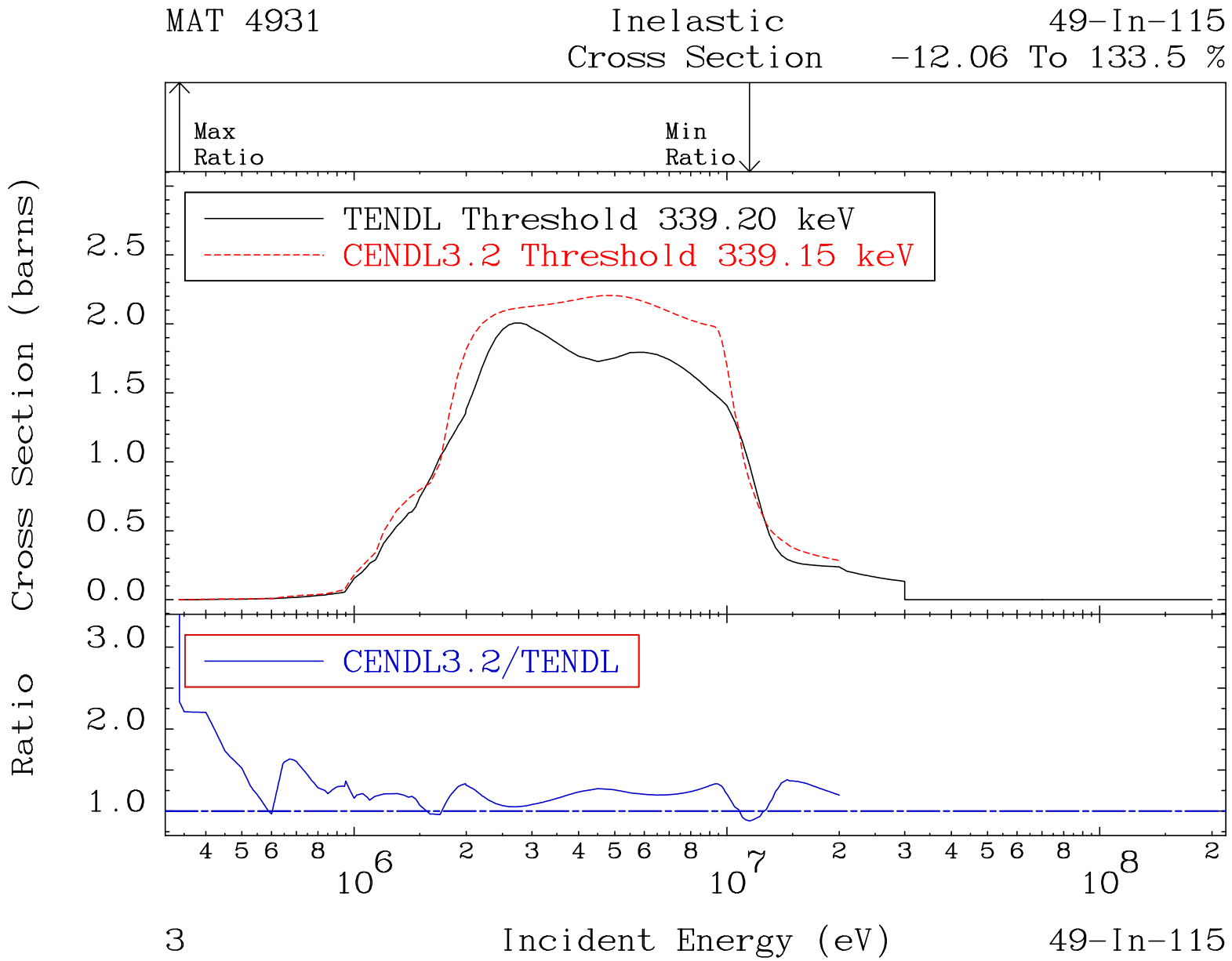
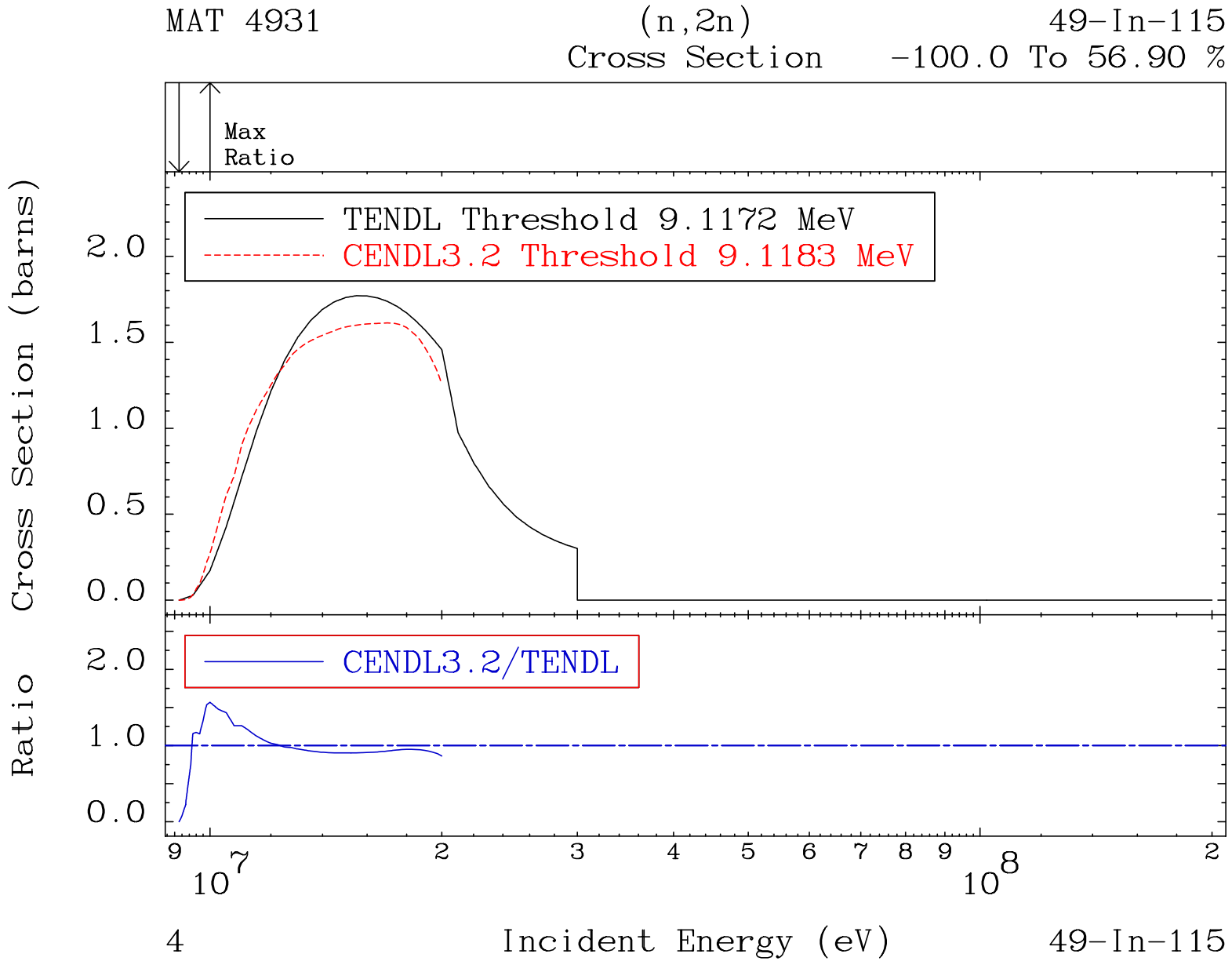
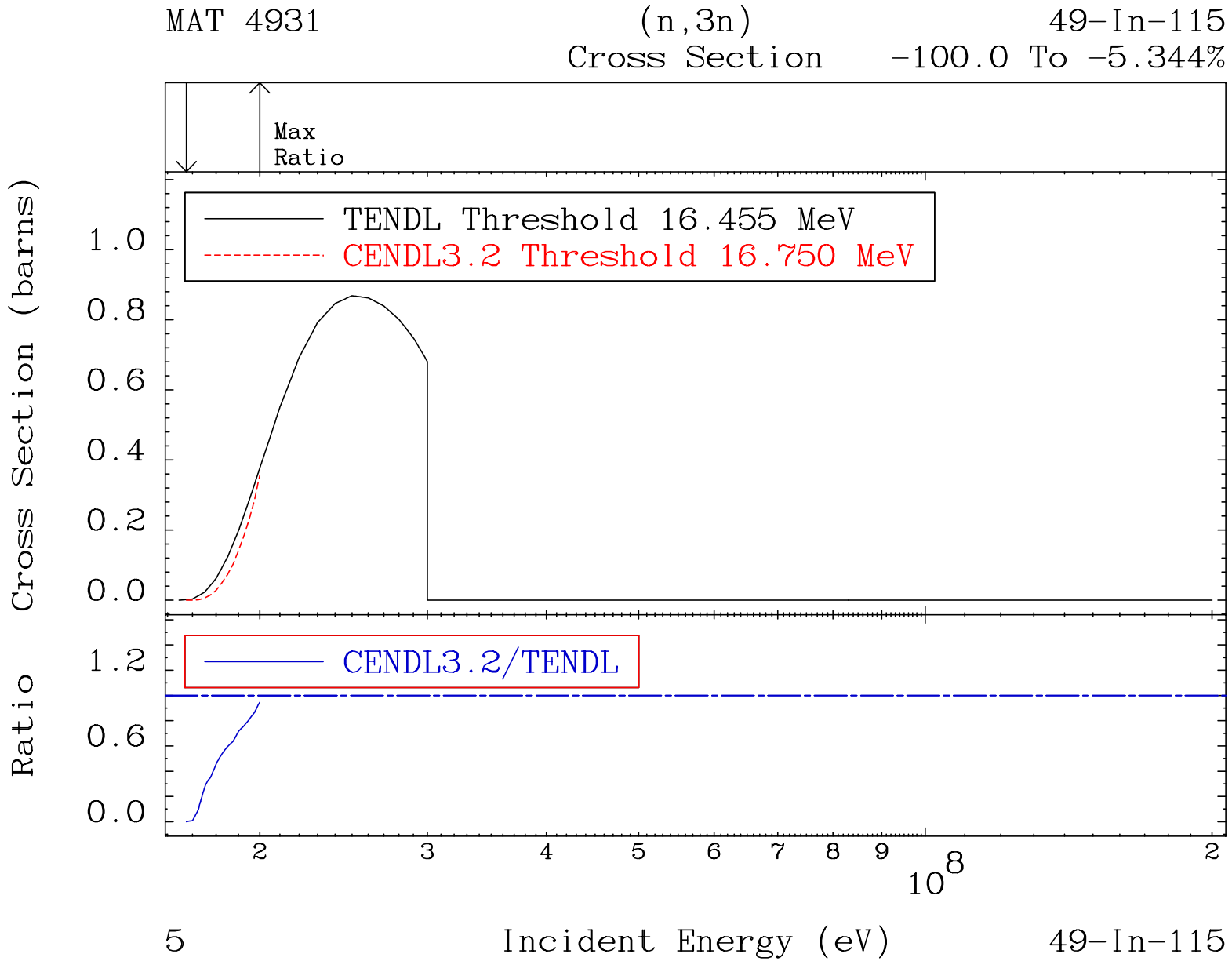
Press Mouse Button to Start

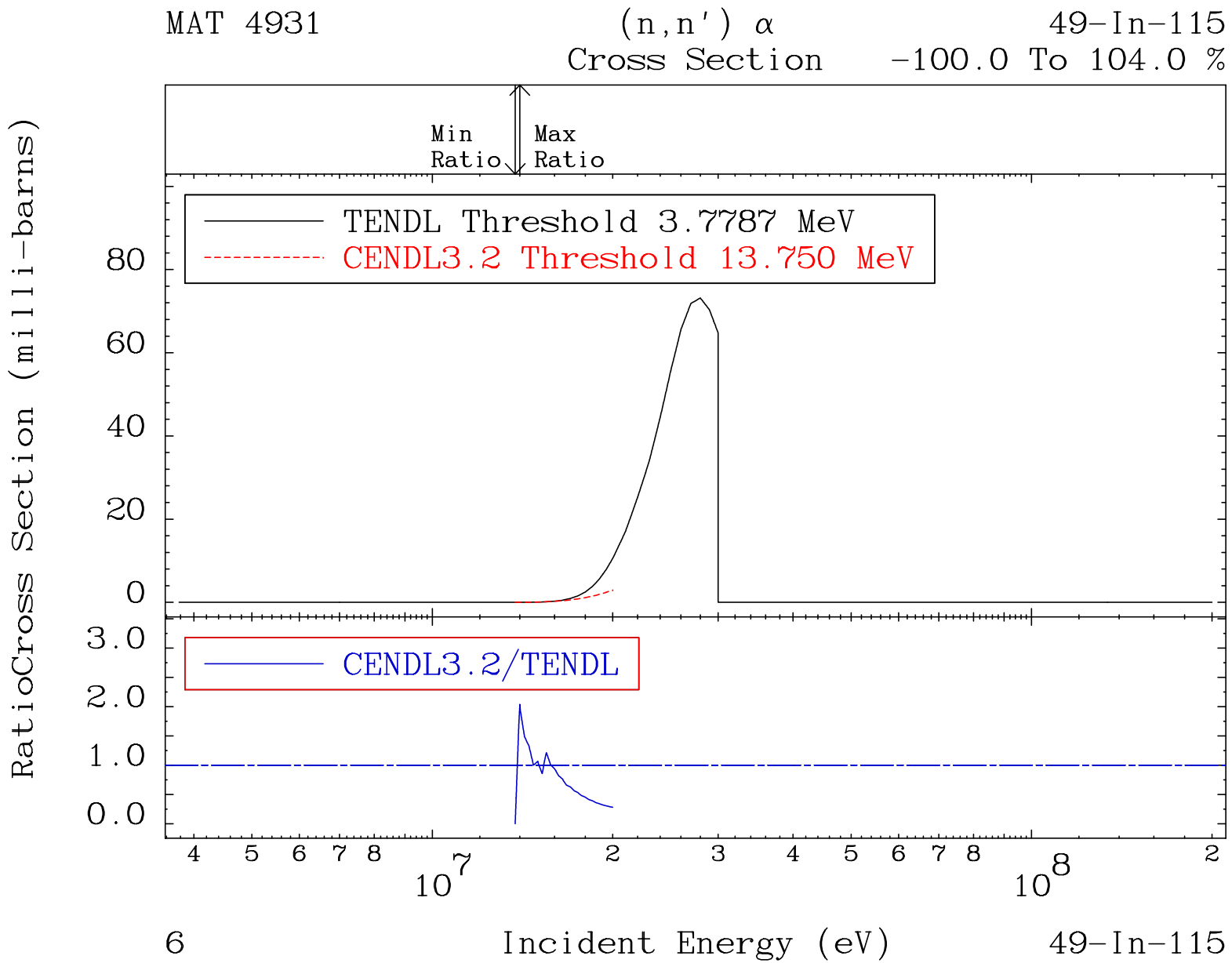

MAT 4931
Total
Cross Section
49-In-115
-97.49 To 9999. %
Max
Ratio
Min
Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
49-In-115

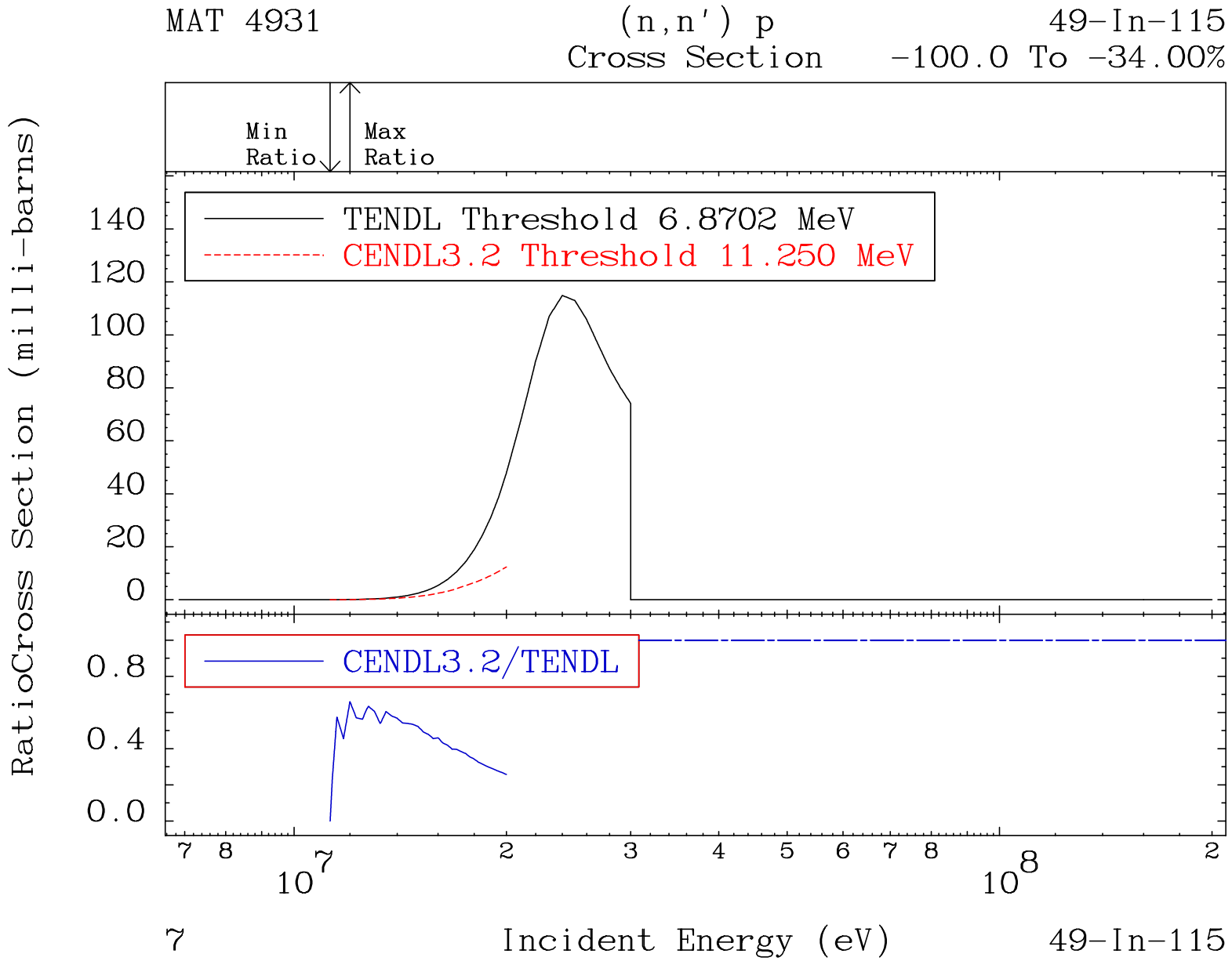

MAT 4931
Elastic
Cross Section
49-In-115
-97.46 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
49-In-115

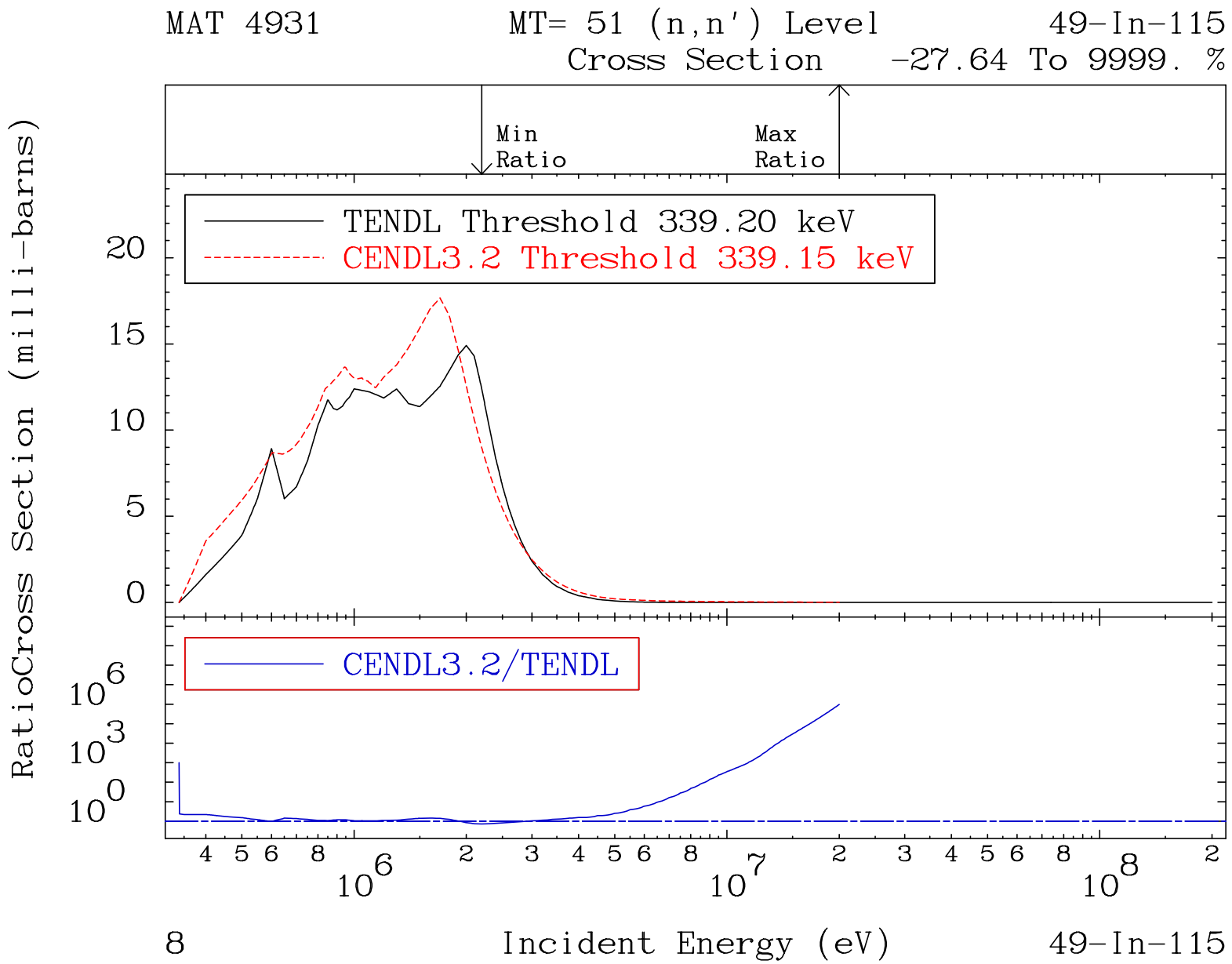

MAT 4931
Inelastic
Cross Section
49-In-115
-12.06 To 133.5 %
Max Ratio
Min Ratio
TENDL Threshold 339.20 keV
CENDL3.2 Threshold 339.15 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
3.0
2.0
1.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
3
49-In-115

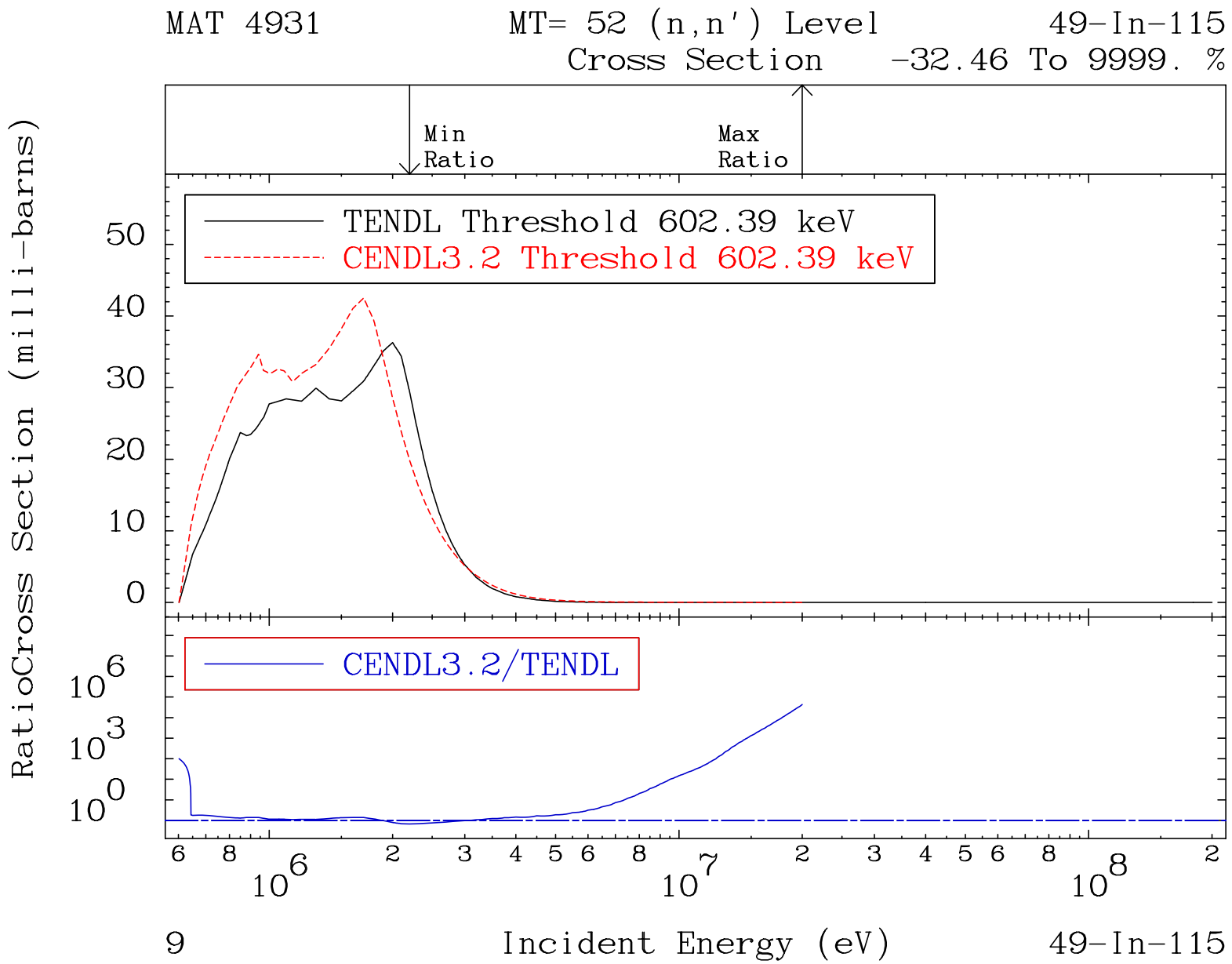

MAT 4931
(n,2n)
Cross Section
49-In-115
-100.0 To 56.90 %
Max
Ratio
TENDL Threshold 9.1172 MeV
CENDL3.2 Threshold 9.1183 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
4
Incident Energy (eV)
49-In-115

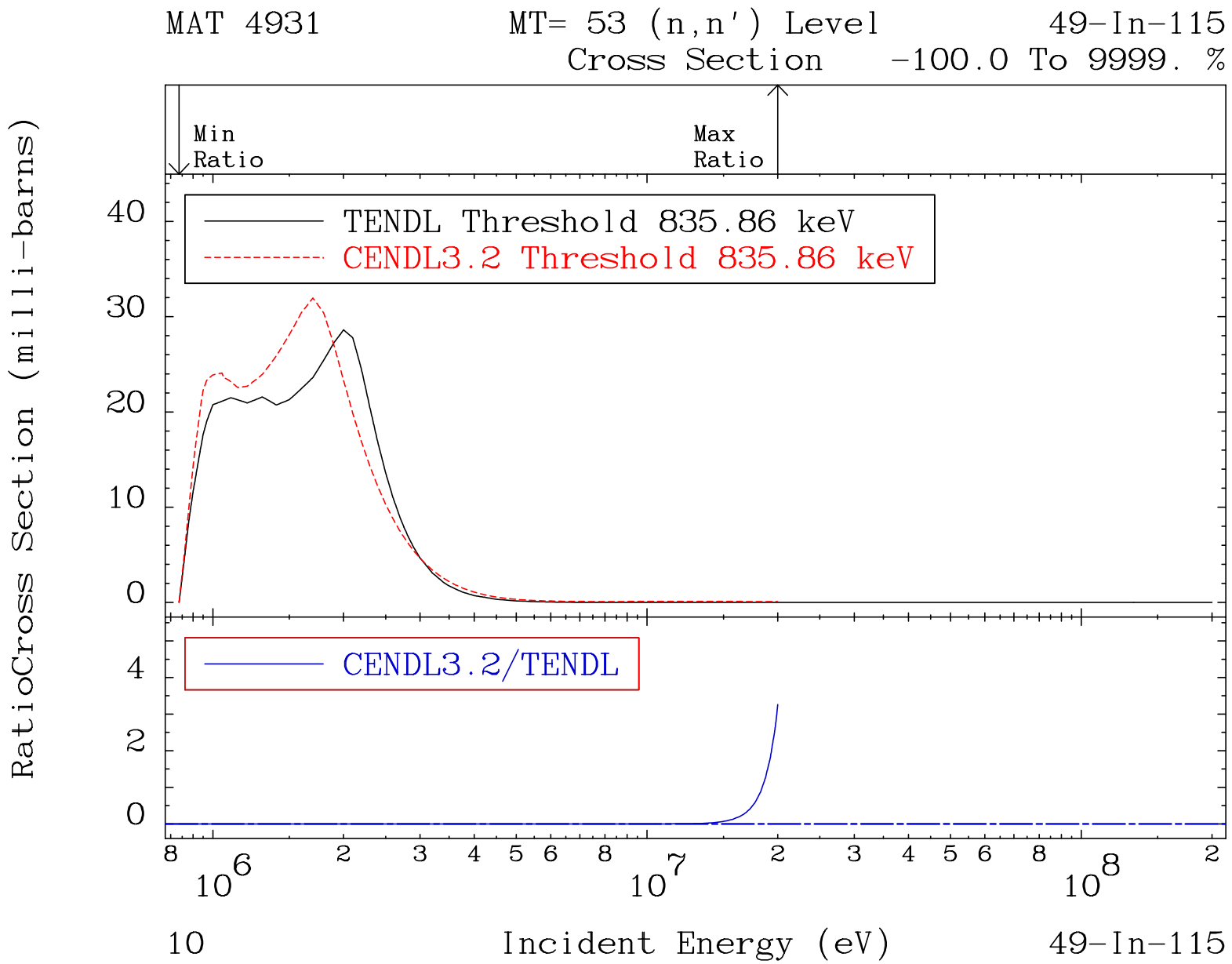

MAT 4931
(n,3n)
Cross Section
49-In-115
-100.0 To -5.344%
Max
Ratio
TENDL Threshold 16.455 MeV
CENDL3.2 Threshold 16.750 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
49-In-115

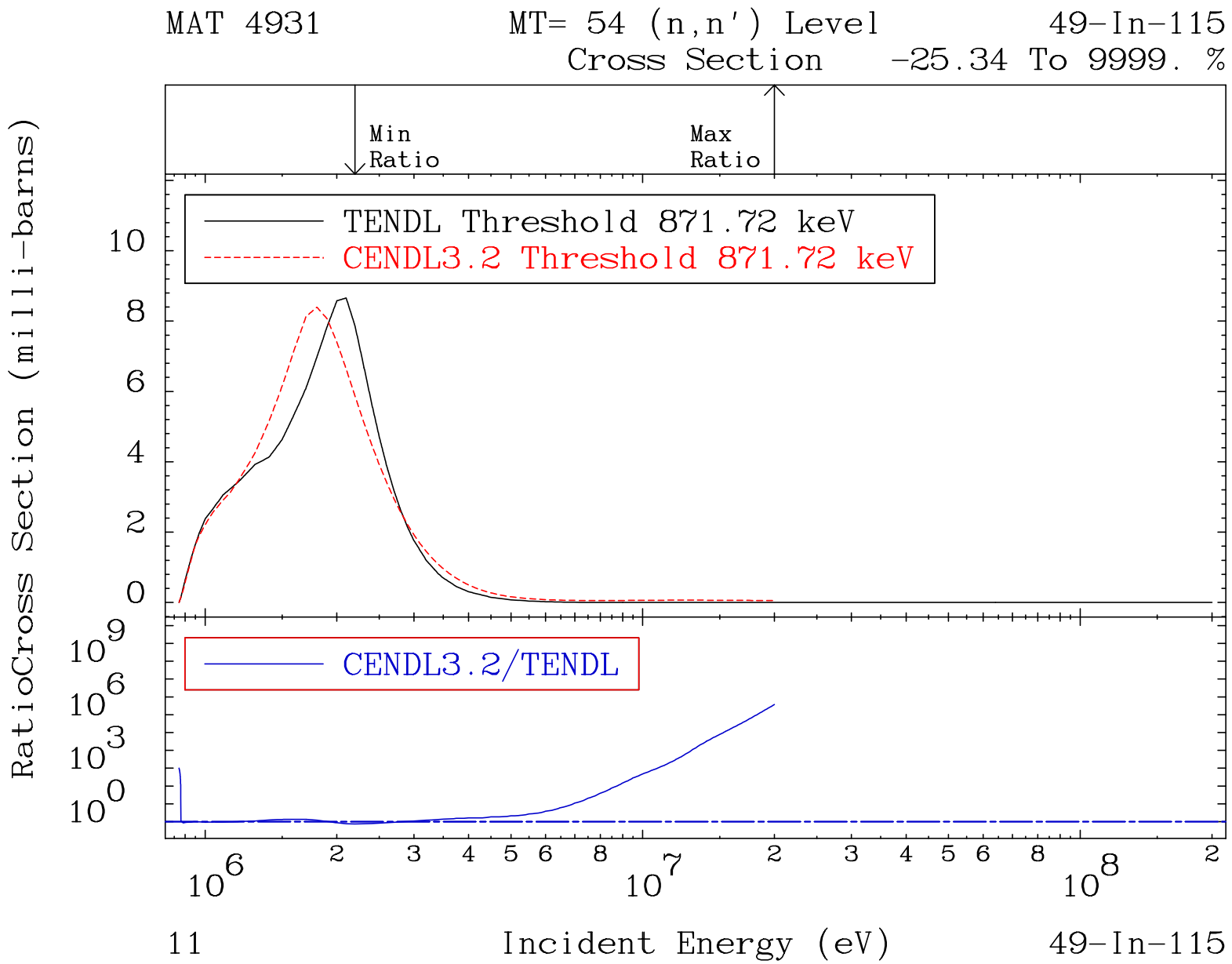

MAT 4931
(n,n') α
Cross Section
49-In-115
-100.0 To 104.0 %
Min Ratio
Max Ratio
TENDL Threshold 3.7787 MeV
CENDL3.2 Threshold 13.750 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
2.0
1.0
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
6
Incident Energy (eV)
49-In-115

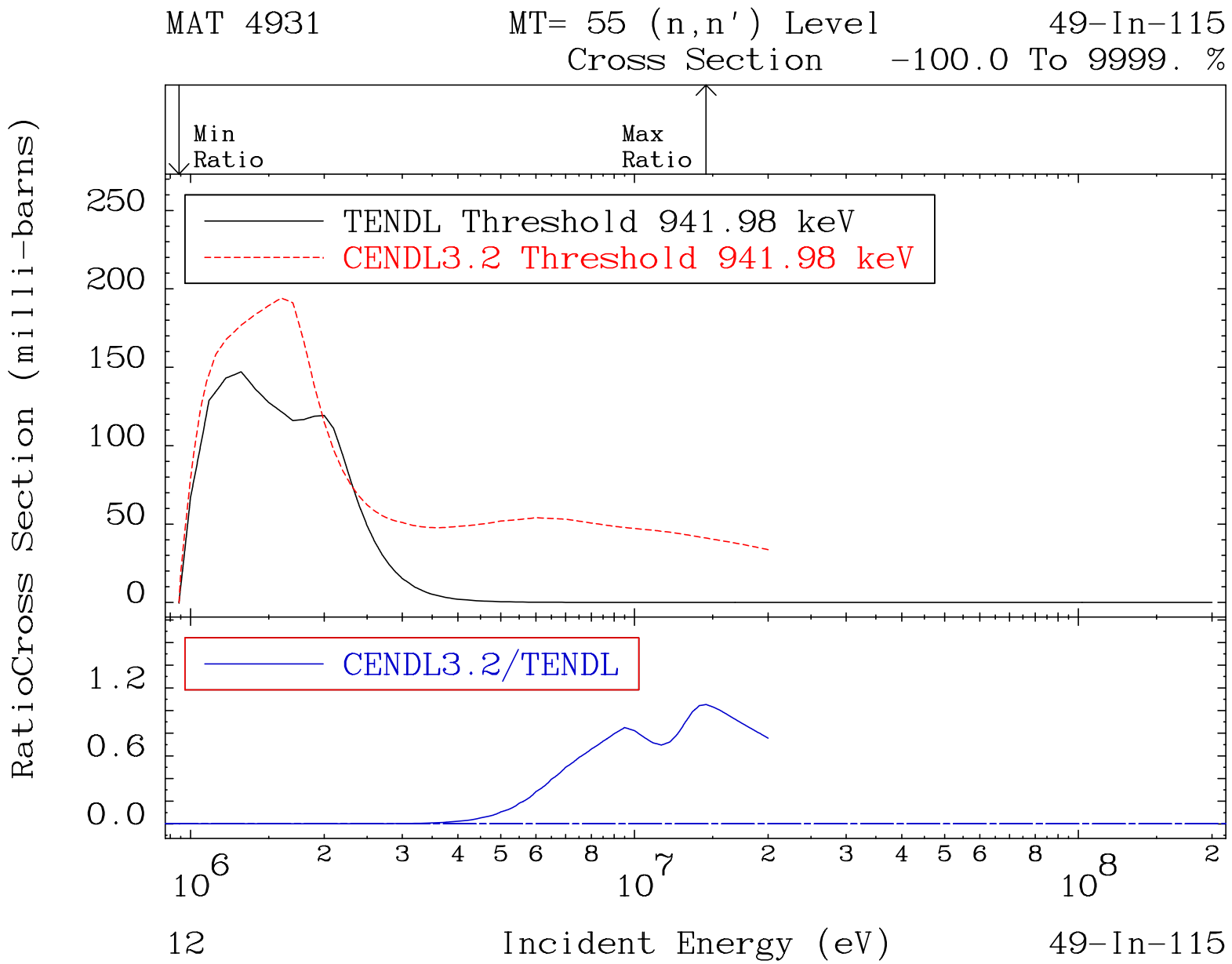

MAT 4931
(n,n') p
Cross Section
49-In-115
-100.0 To -34.00%
Min Ratio
Max Ratio
TENDL Threshold 6.8702 MeV
CENDL3.2 Threshold 11.250 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
0.8
0.4
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
7
Incident Energy (eV)
49-In-115

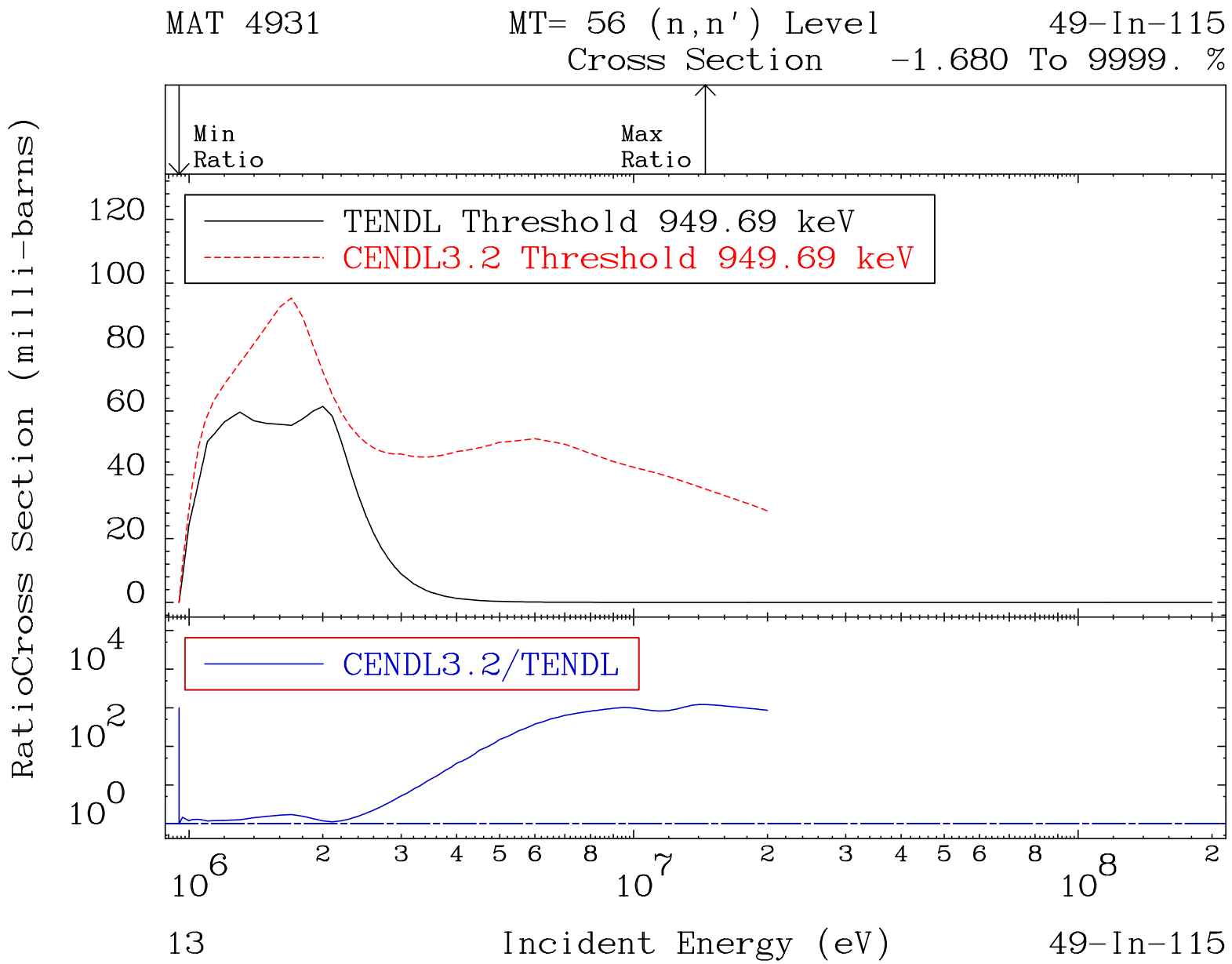

MAT 4931
MT= 51 (n,n') Level
49-In-115
Cross Section
-27.64 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 339.20 keV
CENDL3.2 Threshold 339.15 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
8
49-In-115

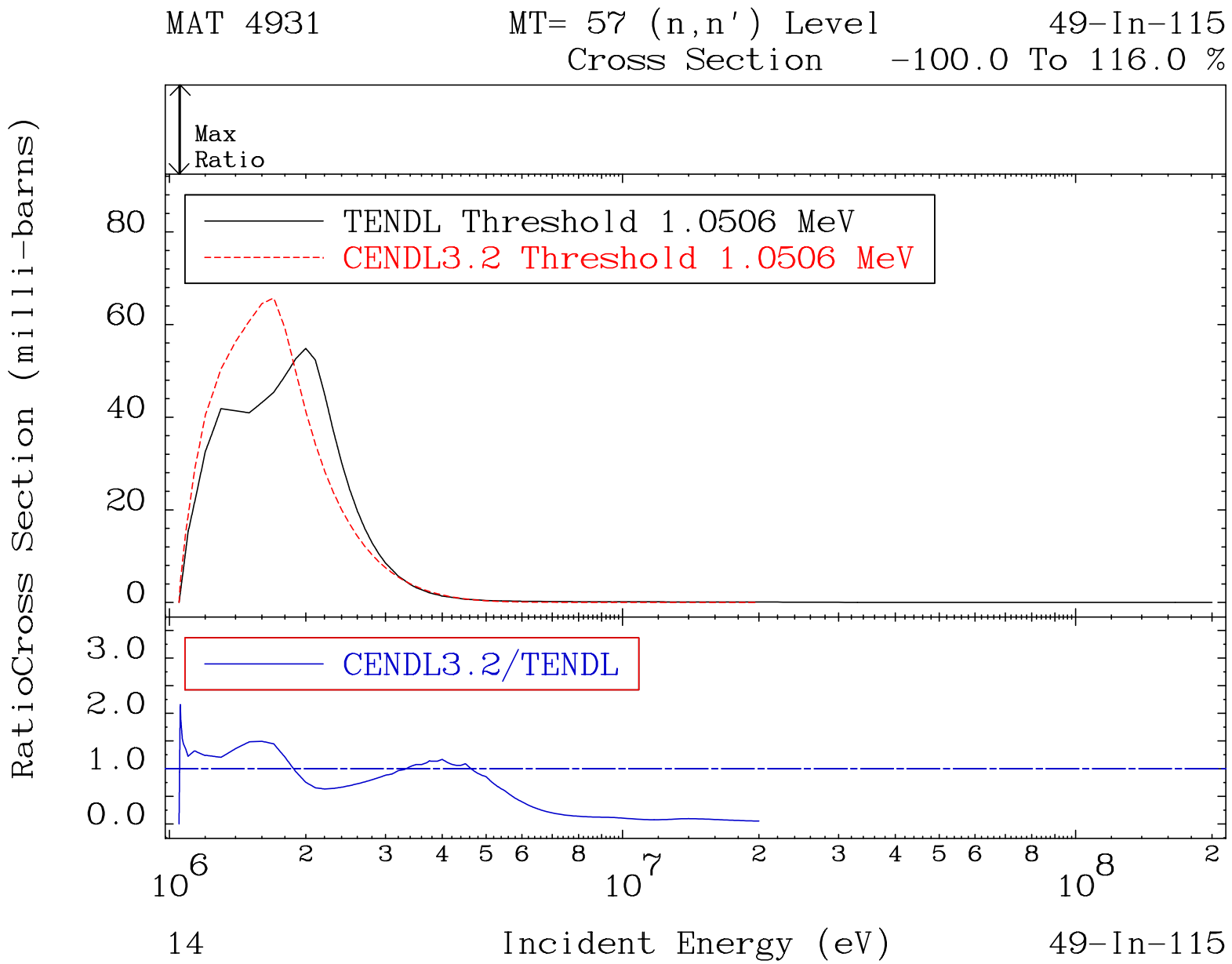

MAT 4931
MT= 52 (n,n') Level
49-In-115
Cross Section
-32.46 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 602.39 keV
CENDL3.2 Threshold 602.39 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
9
49-In-115

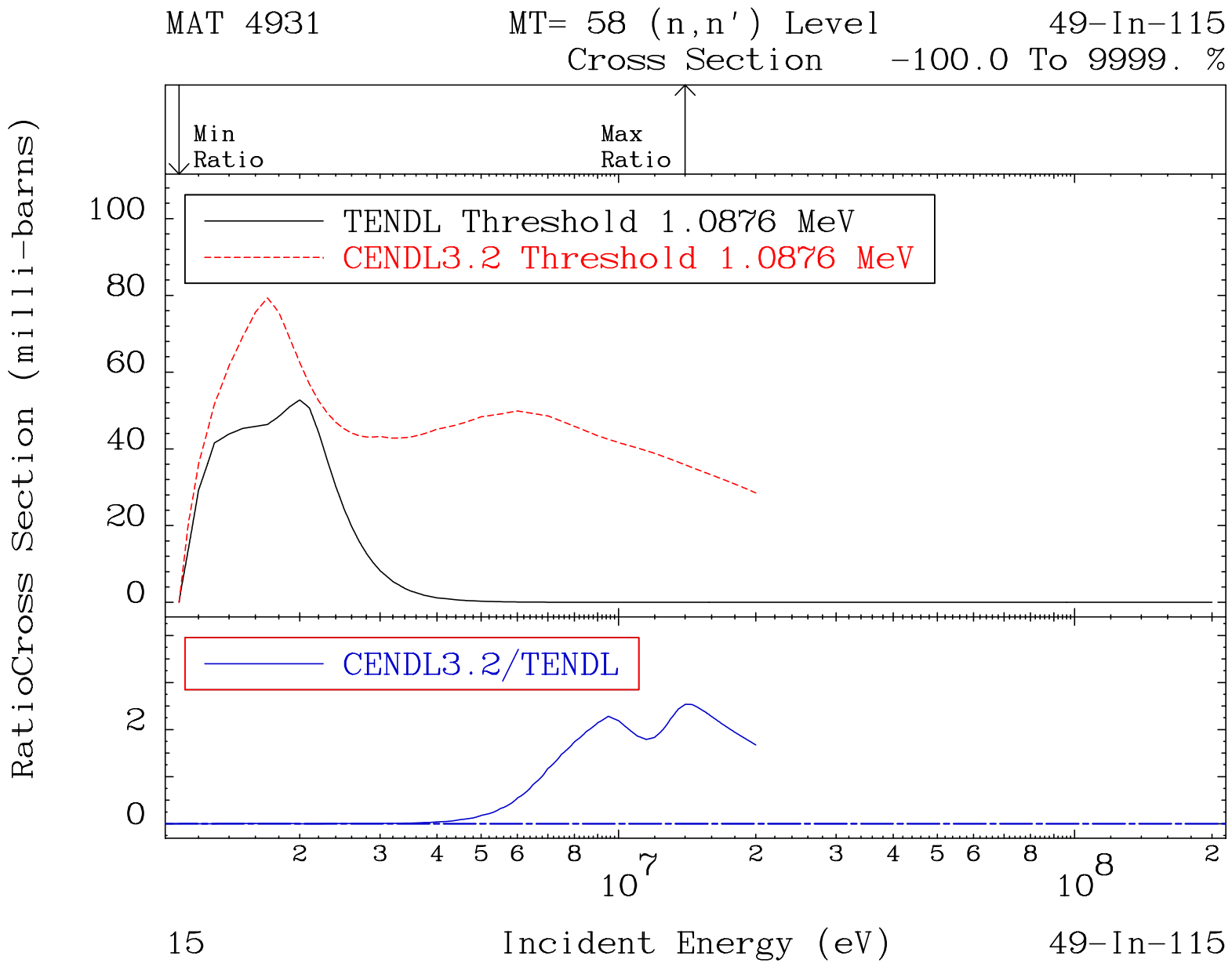

MAT 4931
MT= 53 (n,n') Level
49-In-115
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 835.86 keV
CENDL3.2 Threshold 835.86 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
49-In-115
10

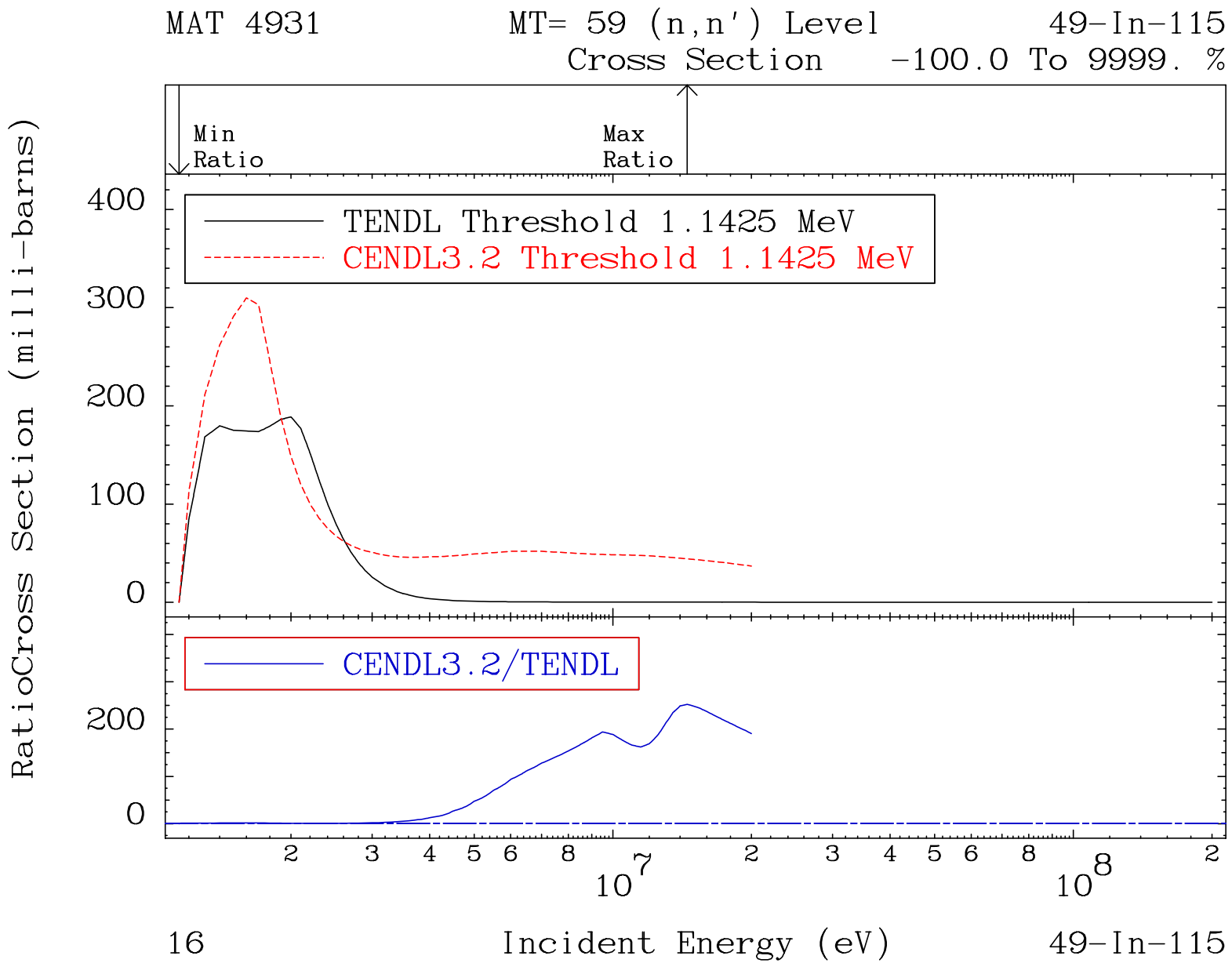

MAT 4931
MT= 54 (n,n') Level
49-In-115
Cross Section
-25.34 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 871.72 keV
CENDL3.2 Threshold 871.72 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
11
49-In-115

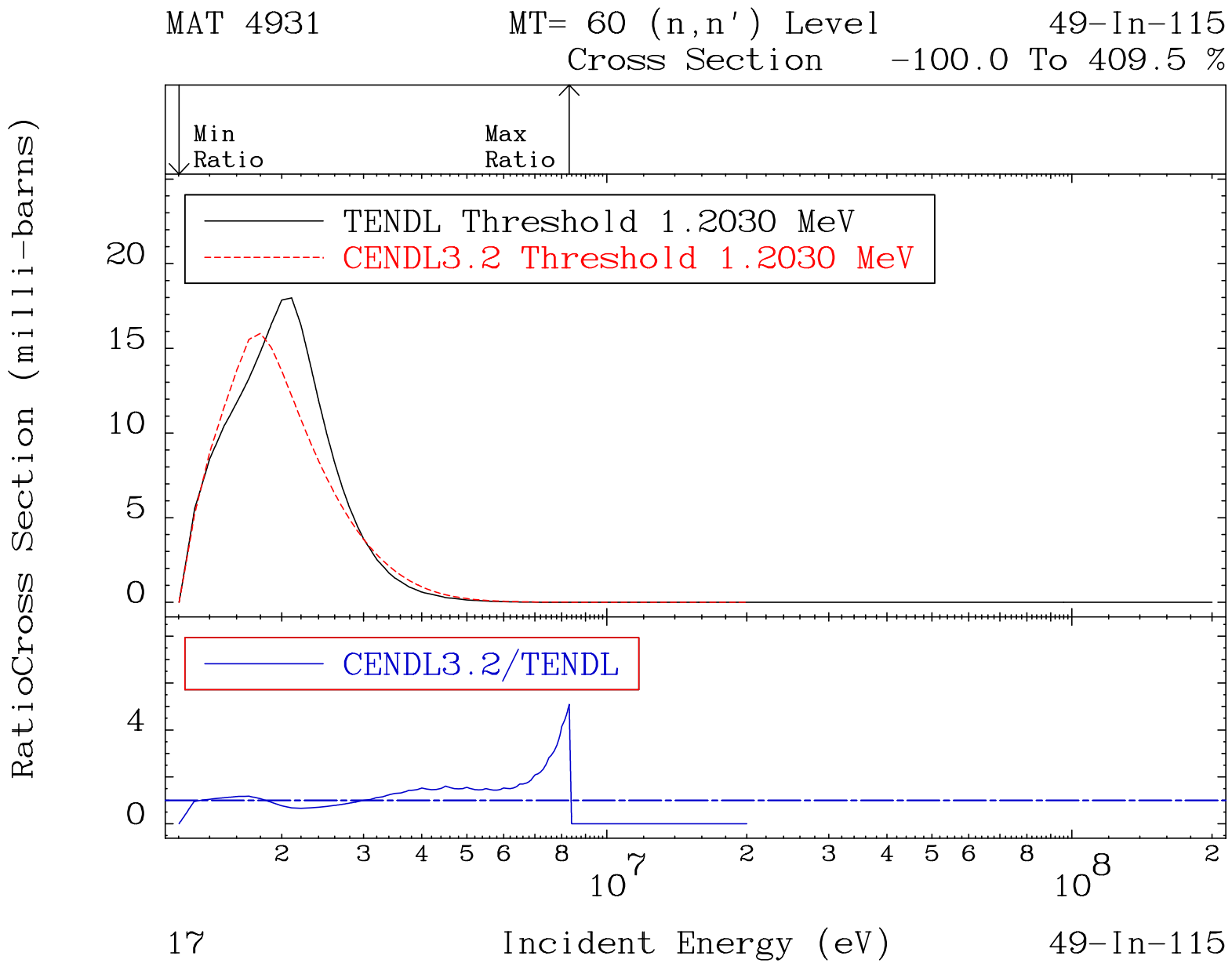

MAT 4931
MT= 55 (n,n') Level
49-In-115
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 941.98 keV
CENDL3.2 Threshold 941.98 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.2
0.6
0.0
10^6
10^7
10^8
Incident Energy (eV)
12
49-In-115

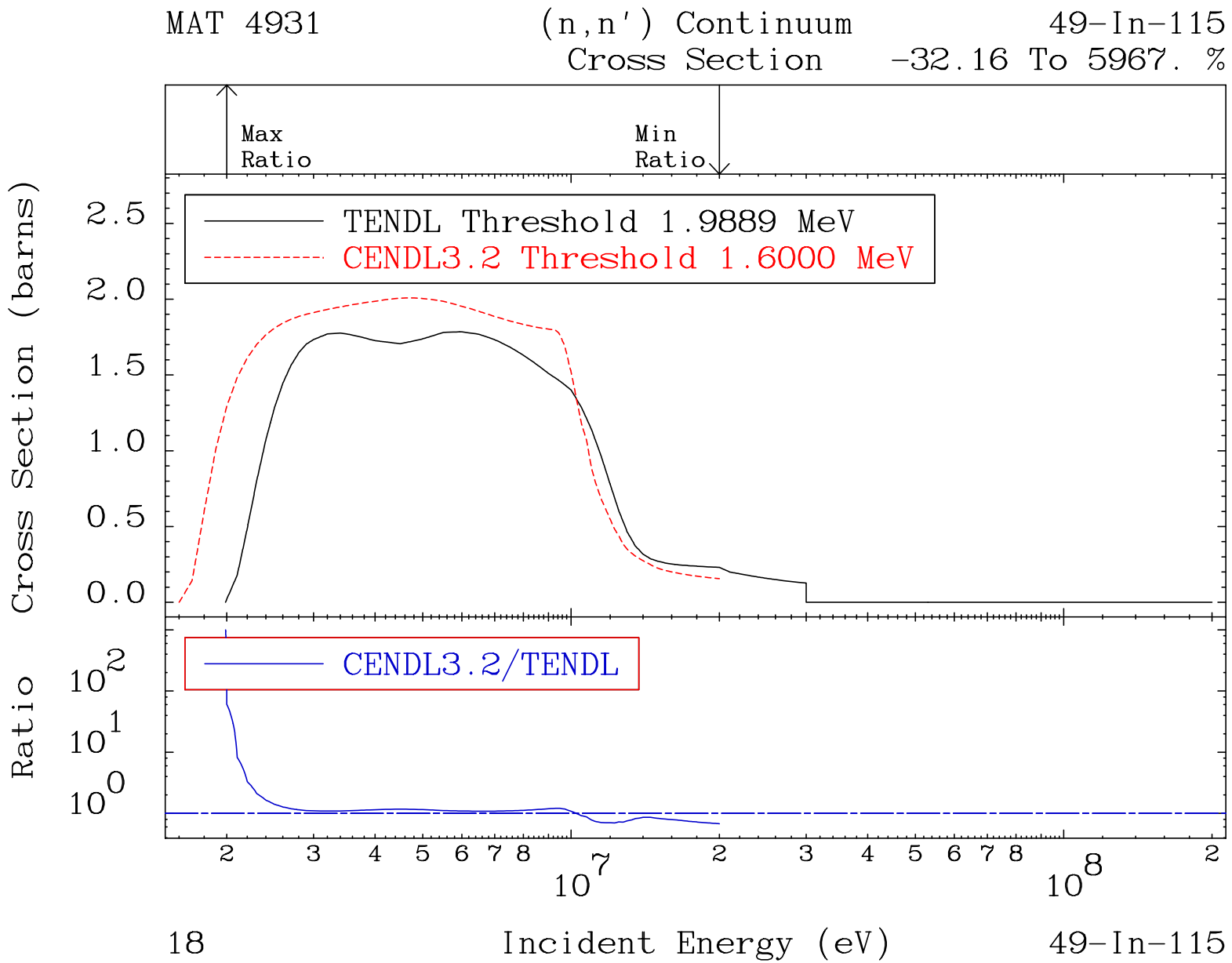

MAT 4931
MT= 56 (n,n') Level
49-In-115
Cross Section
-1.680 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 949.69 keV
CENDL3.2 Threshold 949.69 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
10^4
10^2
10^0
10^6
10^7
10^8
2 3 4 5 6 8
13
Incident Energy (eV)
49-In-115

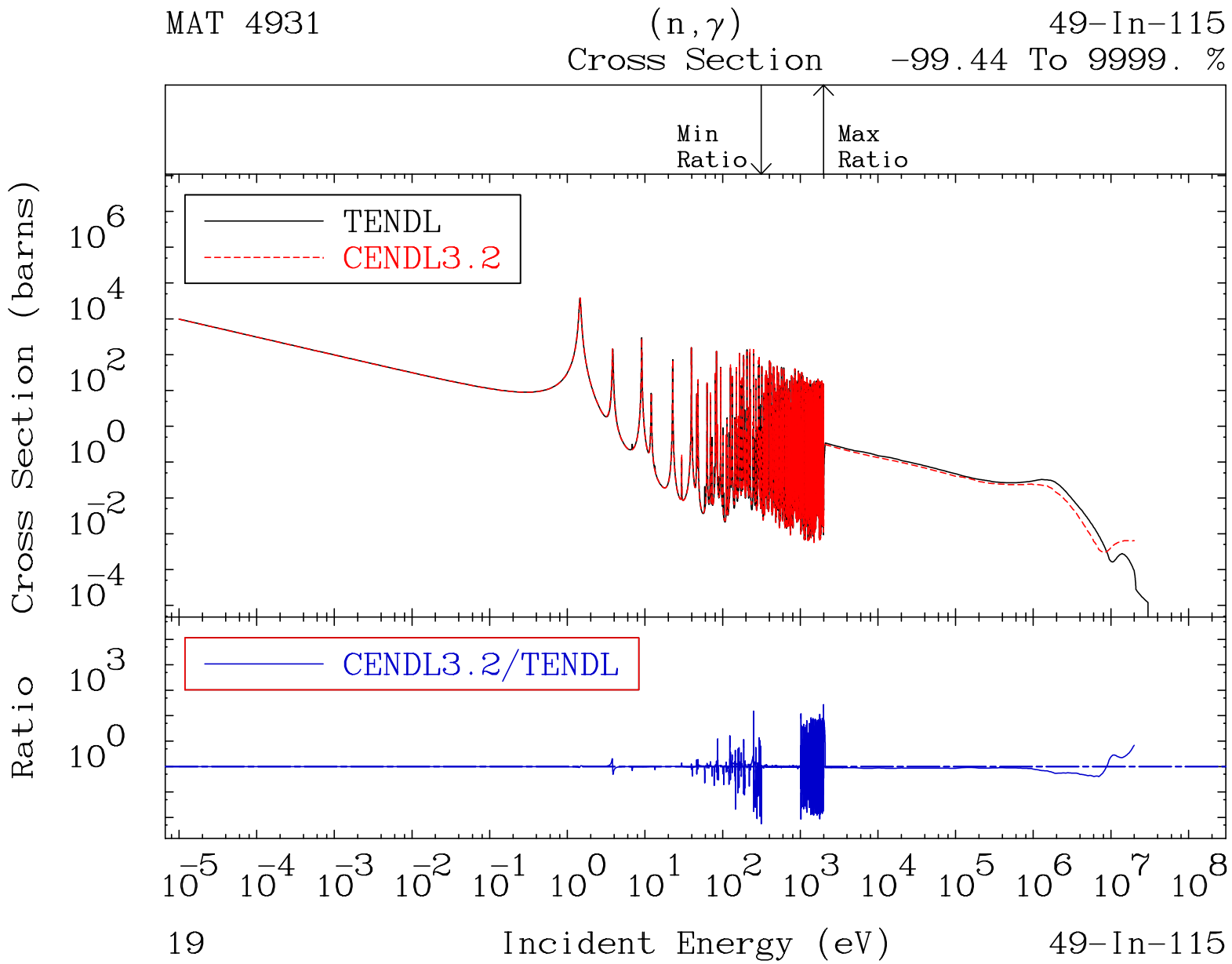

MAT 4931
MT= 57 (n,n') Level
49-In-115
Cross Section
-100.0 To 116.0 %
Max
Ratio
TENDL Threshold 1.0506 MeV
CENDL3.2 Threshold 1.0506 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
3.0
2.0
1.0
0.0
2
3
4
5
6
8
10^6
10^7
10^8
14
Incident Energy (eV)
49-In-115

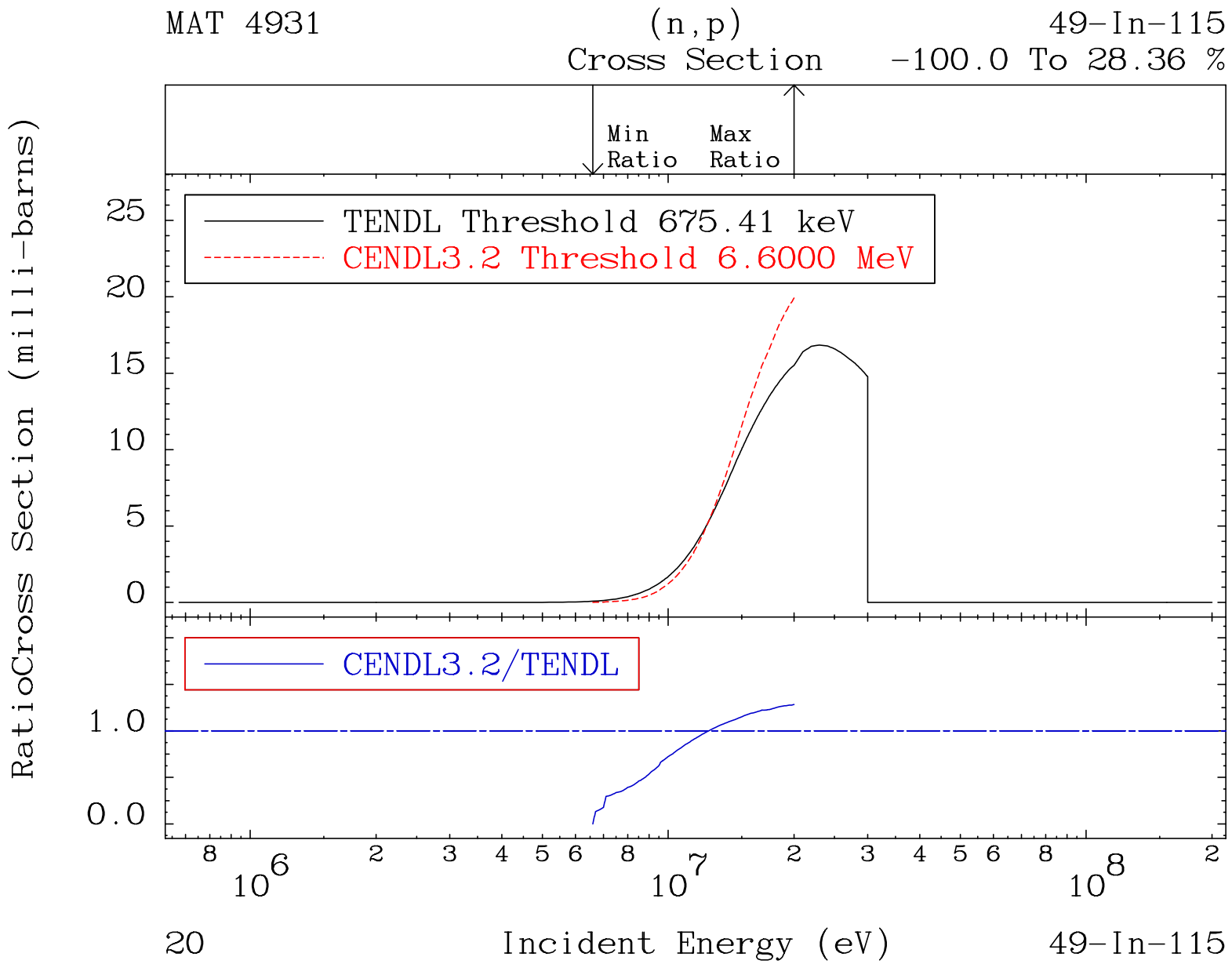

MAT 4931
MT= 58 (n,n') Level
49-In-115
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0876 MeV
CENDL3.2 Threshold 1.0876 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2
0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
15
Incident Energy (eV)
49-In-115

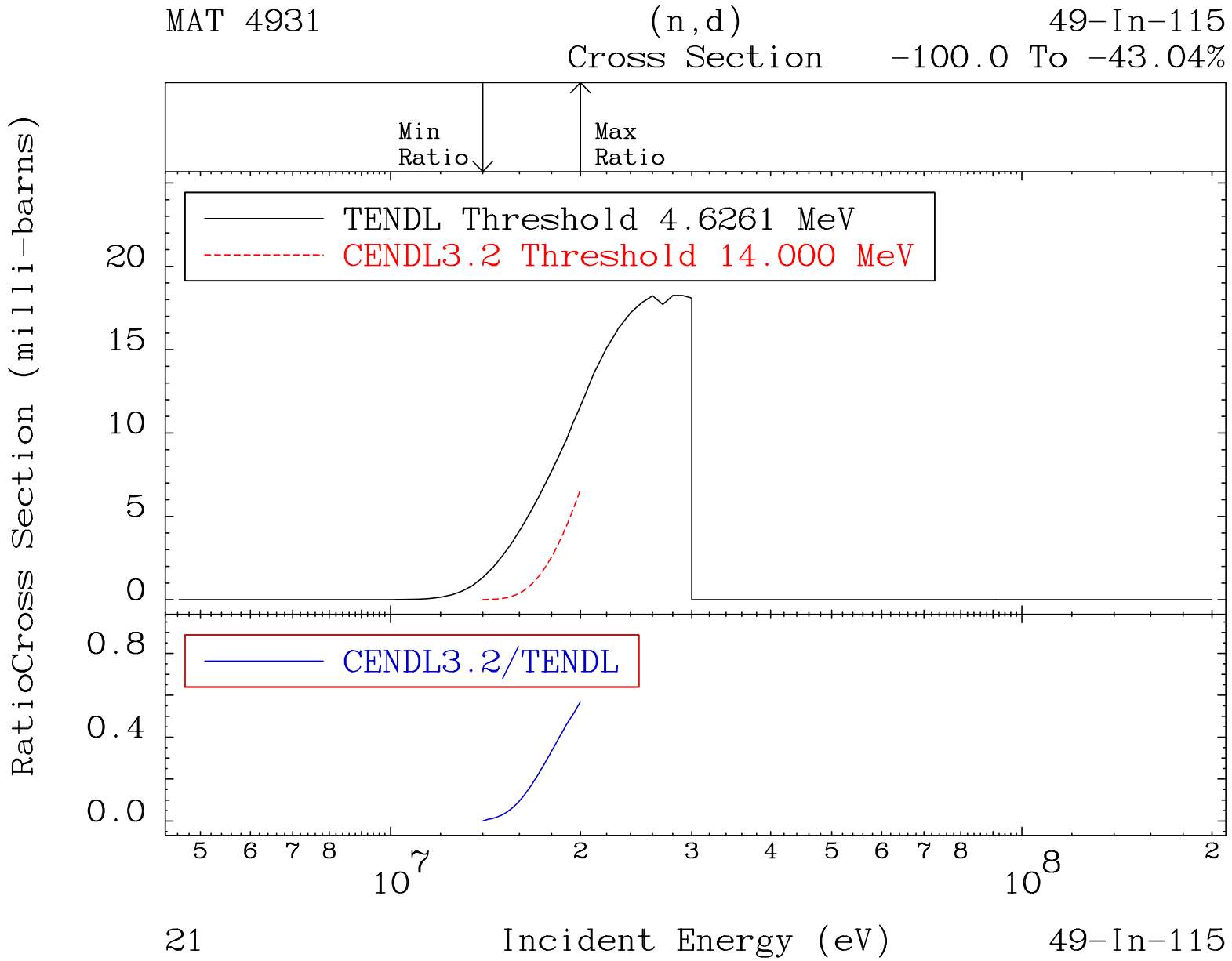

MAT 4931
MT= 59 (n,n') Level
49-In-115
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1425 MeV
CENDL3.2 Threshold 1.1425 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
200
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
49-In-115

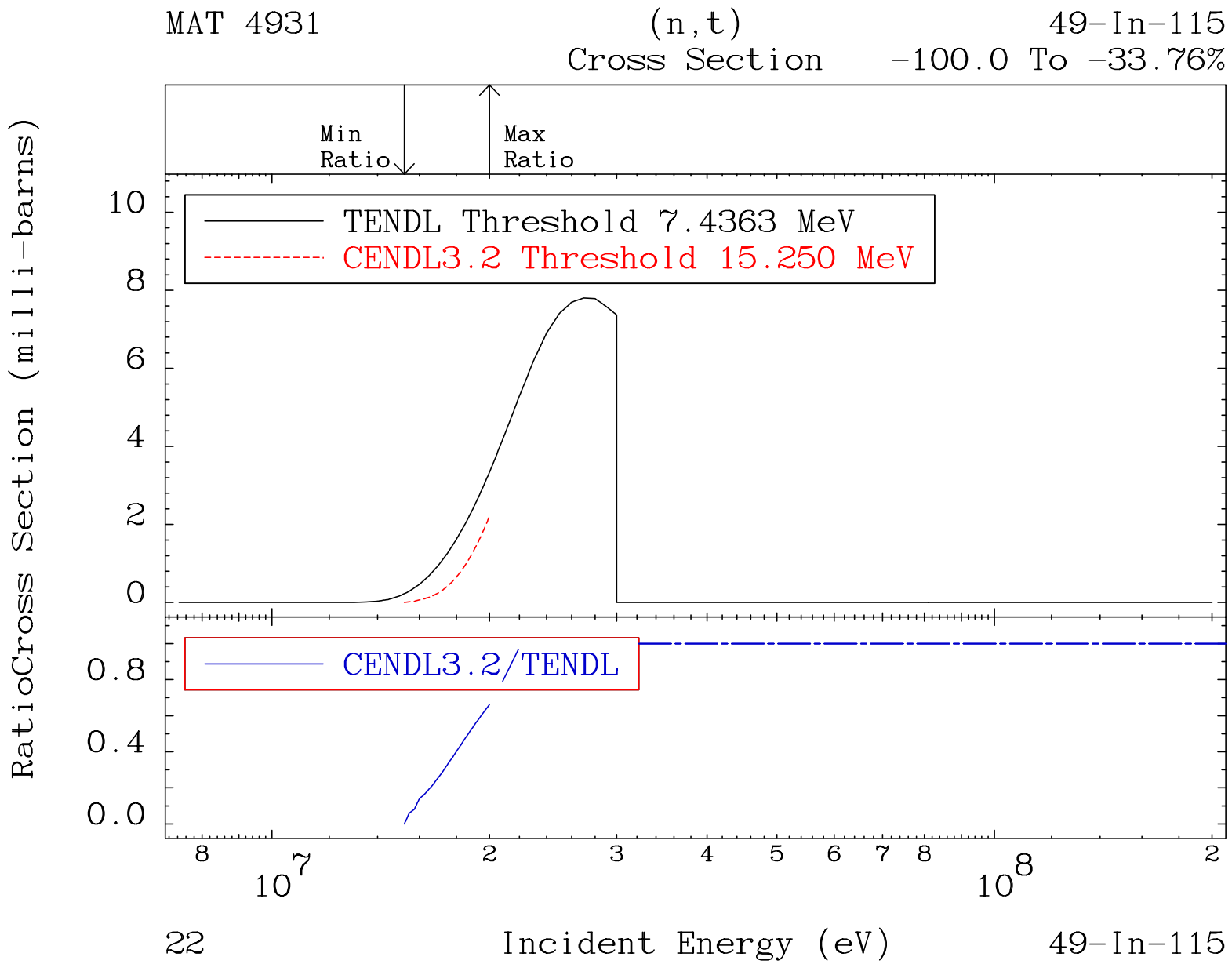

MAT 4931
MT= 60 (n,n') Level
49-In-115
Cross Section
-100.0 To 409.5 %
Min Ratio
Max Ratio
TENDL Threshold 1.2030 MeV
CENDL3.2 Threshold 1.2030 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
4
0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
17
Incident Energy (eV)
49-In-115

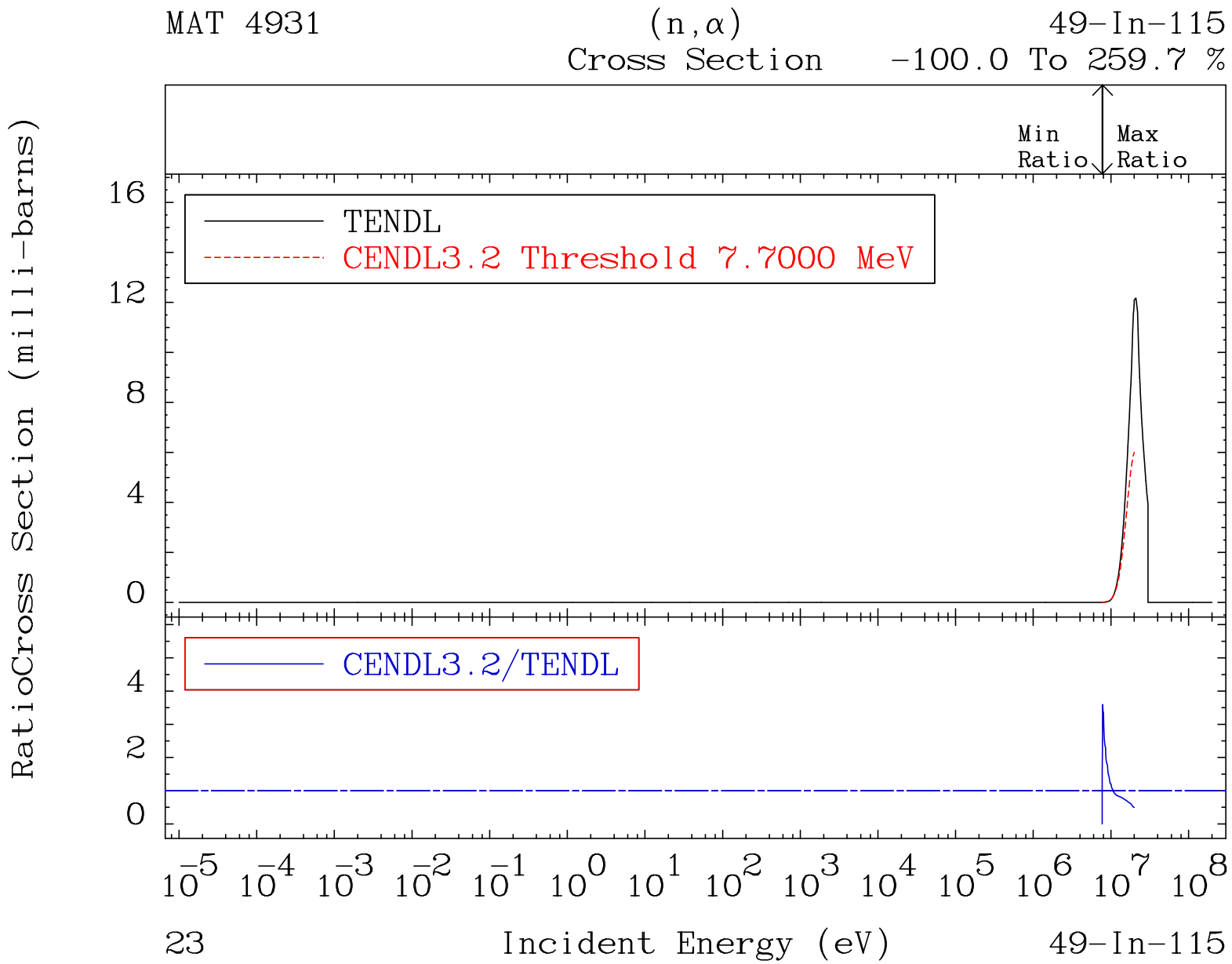

MAT 4931
(n,n') Continuum
Cross Section
49-In-115
-32.16 To 5967. %
Max Ratio
Min Ratio
TENDL Threshold 1.9889 MeV
CENDL3.2 Threshold 1.6000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
CENDL3.2/TENDL
Ratio
10^2
10^1
10^0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
49-In-115

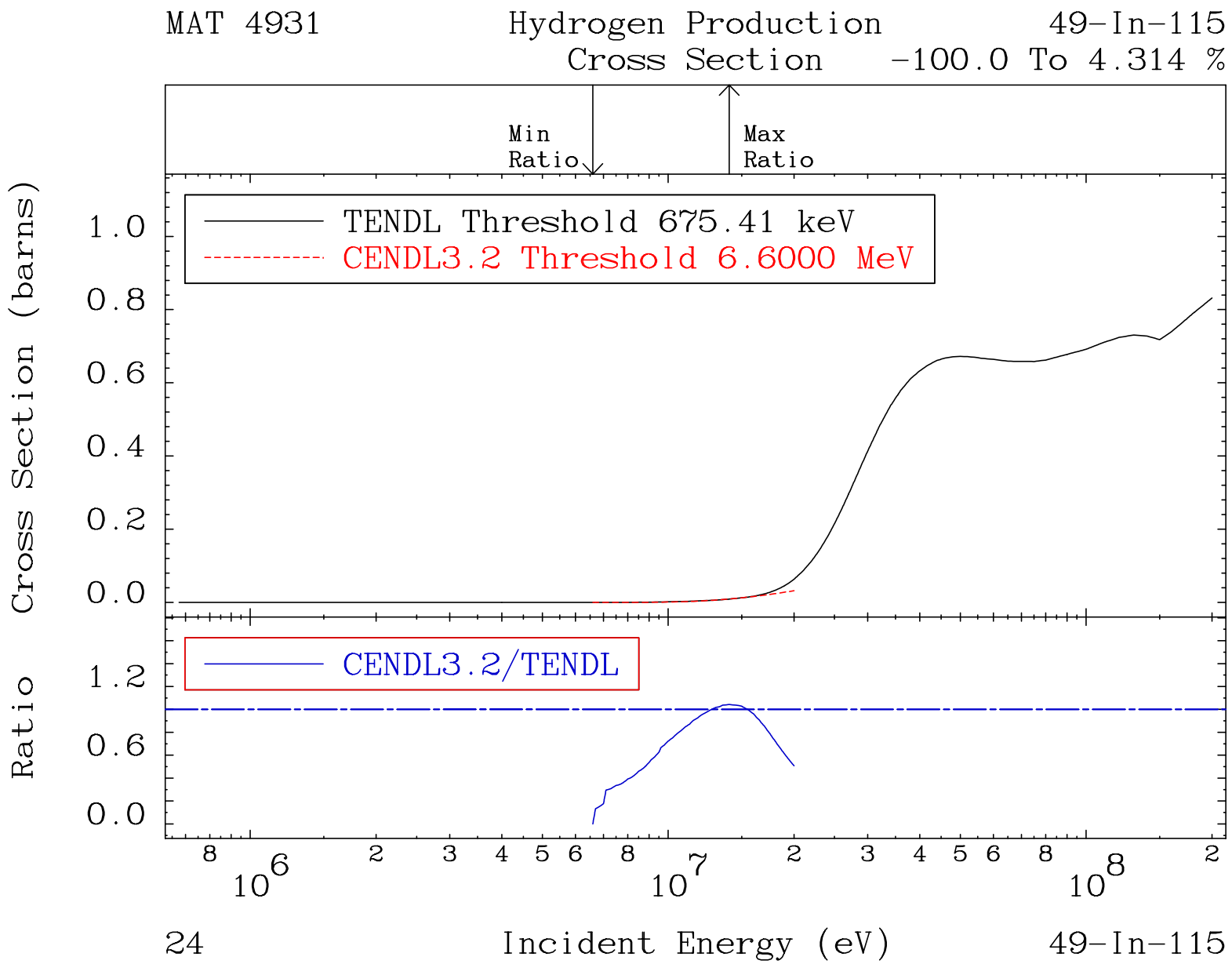

MAT 4931
(n,γ)
Cross Section
49-In-115
-99.44 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
19
49-In-115

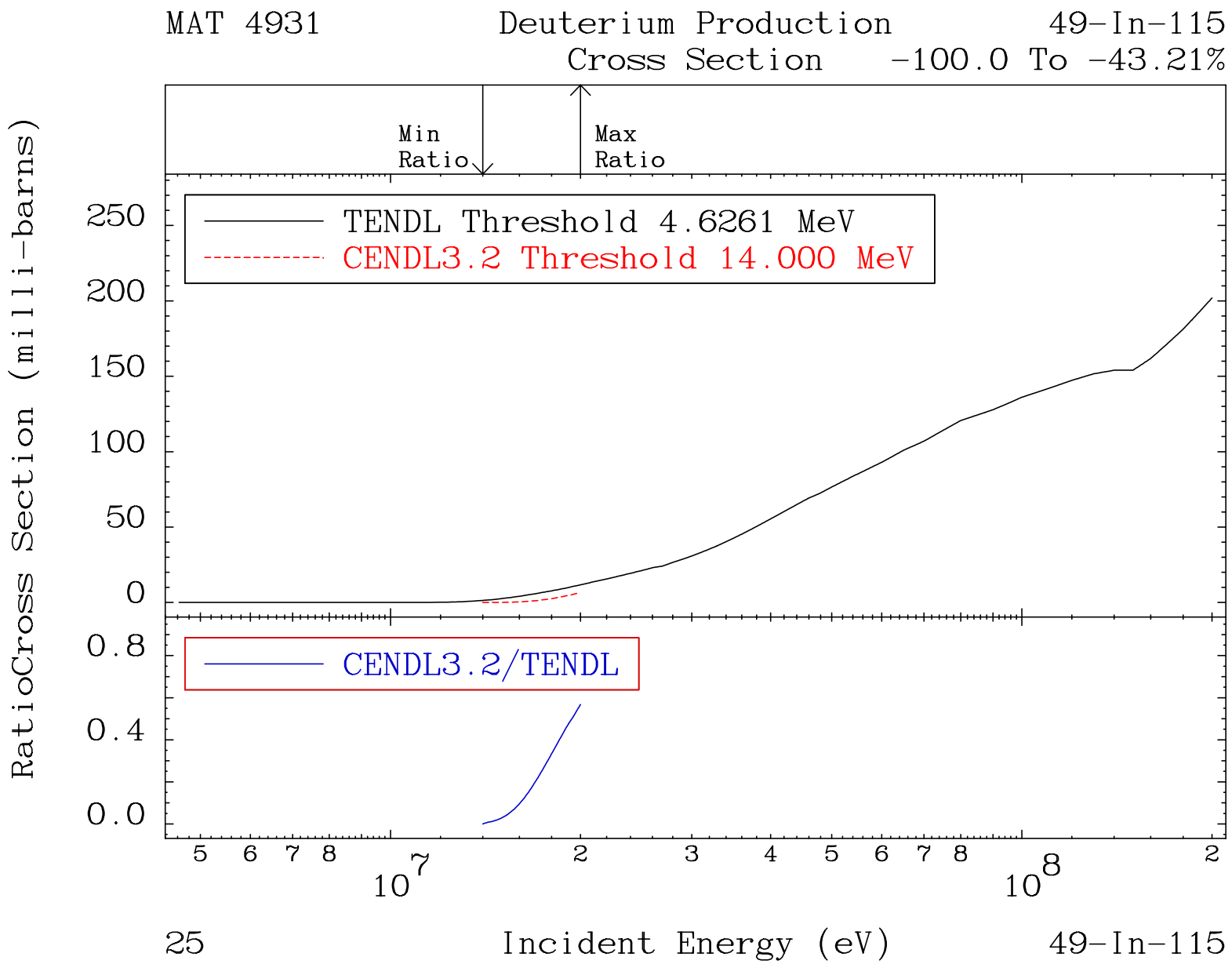

MAT 4931
(n,p)
Cross Section
49-In-115
-100.0 To 28.36 %
Min Ratio
Max Ratio
TENDL Threshold 675.41 keV
CENDL3.2 Threshold 6.6000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
20
Incident Energy (eV)
49-In-115

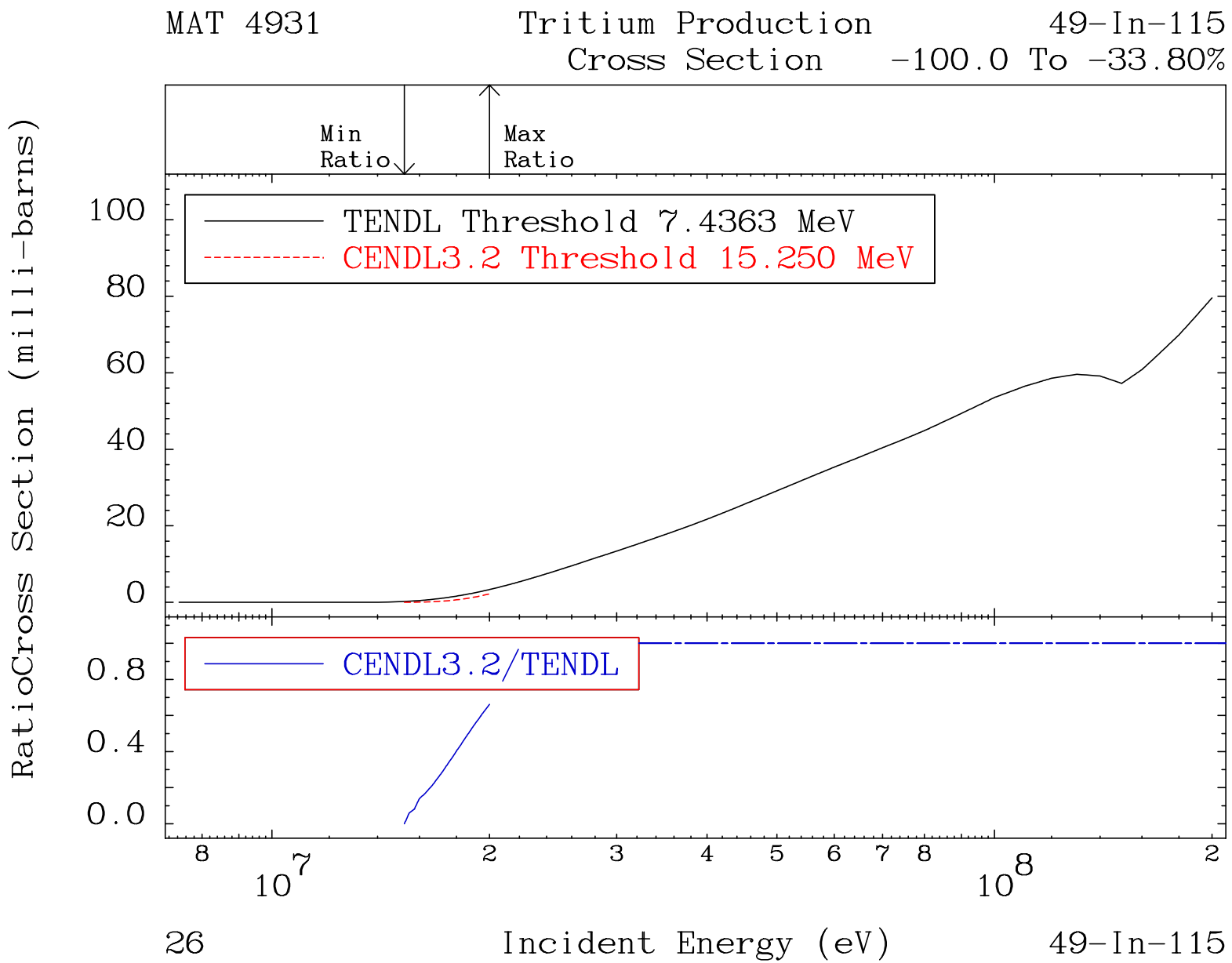

MAT 4931
(n,d)
Cross Section
49-In-115
-100.0 To -43.04%
Min Ratio
Max Ratio
TENDL Threshold 4.6261 MeV
CENDL3.2 Threshold 14.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
0.8
0.4
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
49-In-115

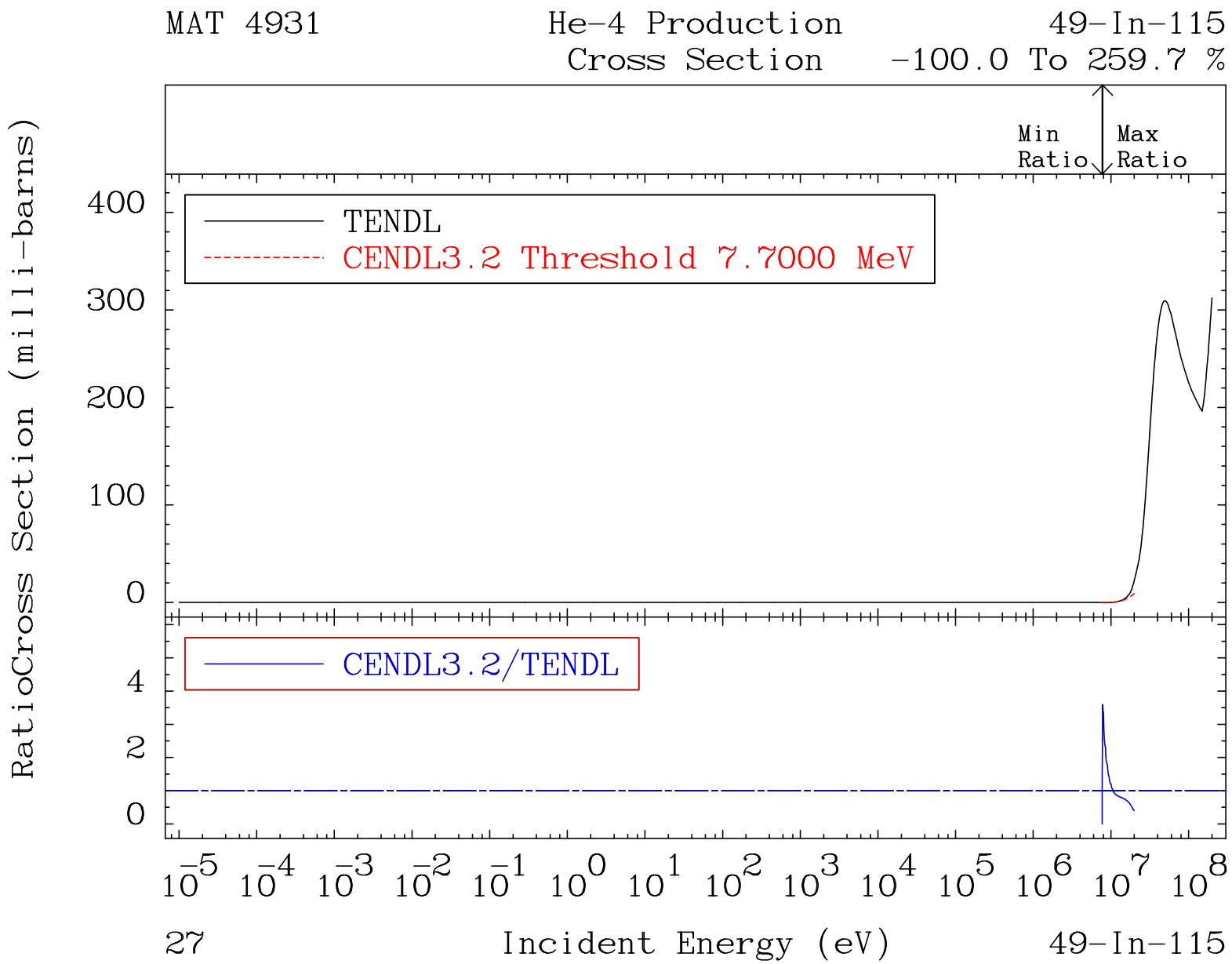

MAT 4931
(n,t)
Cross Section
49-In-115
-100.0 To -33.76%
Min Ratio
Max Ratio
TENDL Threshold 7.4363 MeV
CENDL3.2 Threshold 15.250 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
0.8
0.4
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
22
Incident Energy (eV)
49-In-115

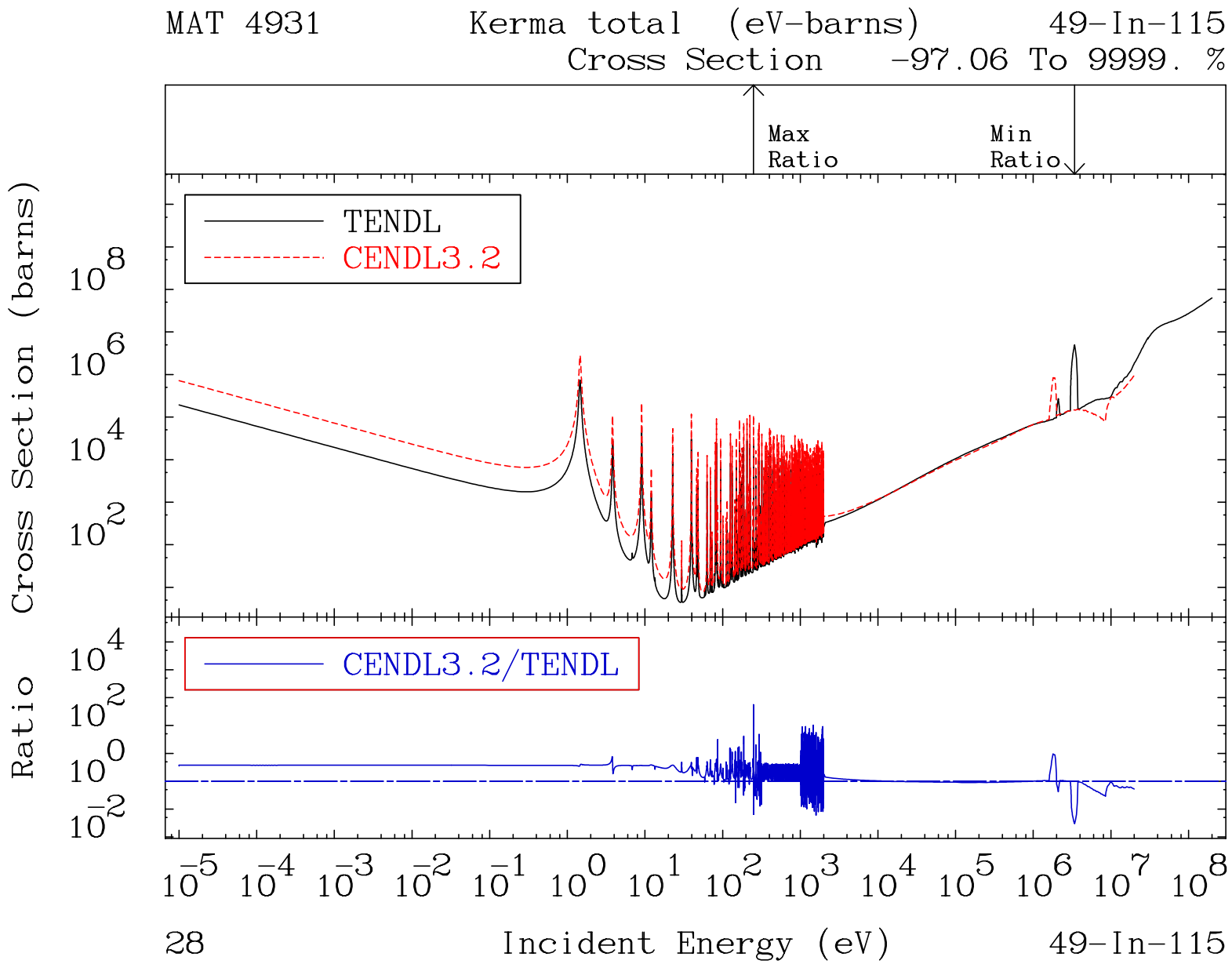

MAT 4931
(n,α)
Cross Section
49-In-115
-100.0 To 259.7 %
Min Ratio
Max Ratio
TENDL
CENDL3.2 Threshold 7.7000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
4
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
23
Incident Energy (eV)
49-In-115

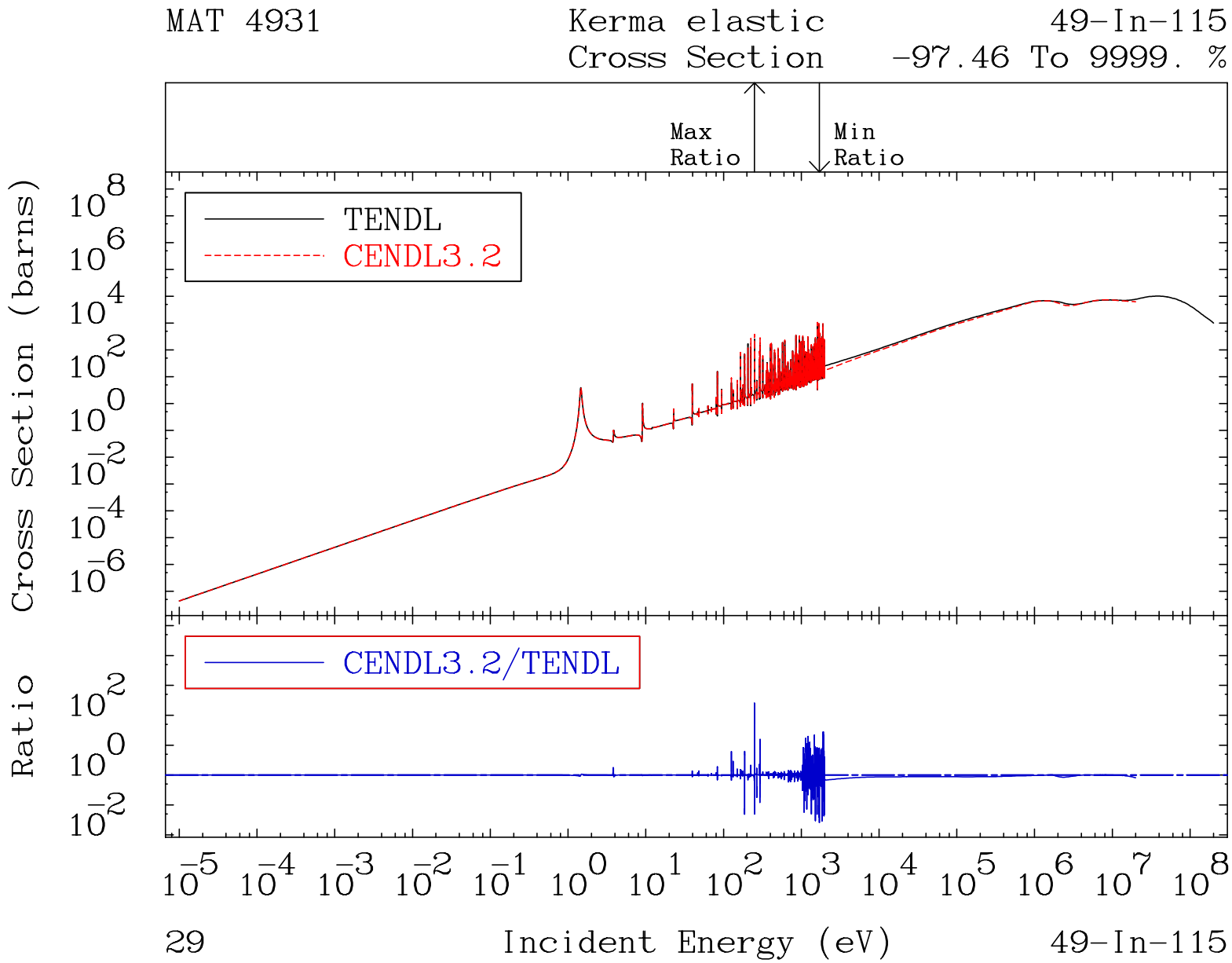

MAT 4931
Hydrogen Production
49-In-115
Cross Section
-100.0 To 4.314 %
Min Ratio
Max Ratio
TENDL Threshold 675.41 keV
CENDL3.2 Threshold 6.6000 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
CENDL3.2/TENDL
Ratio
1.2
0.6
0.0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
24
Incident Energy (eV)
49-In-115

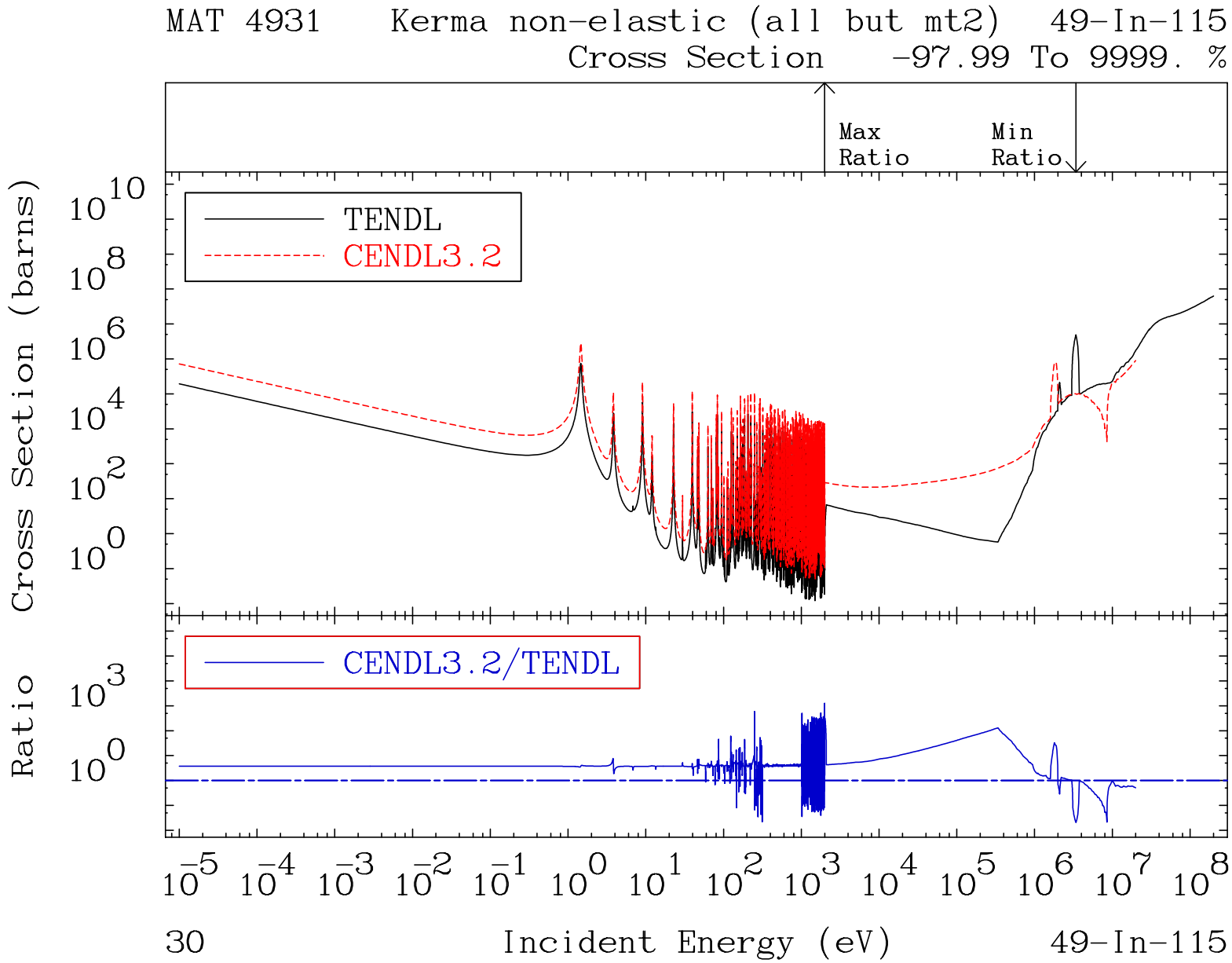

MAT 4931
Deuterium Production
49-In-115
Cross Section
-100.0 To -43.21%
Min Ratio
Max Ratio
TENDL Threshold 4.6261 MeV
CENDL3.2 Threshold 14.000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
0.8
0.4
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
49-In-115

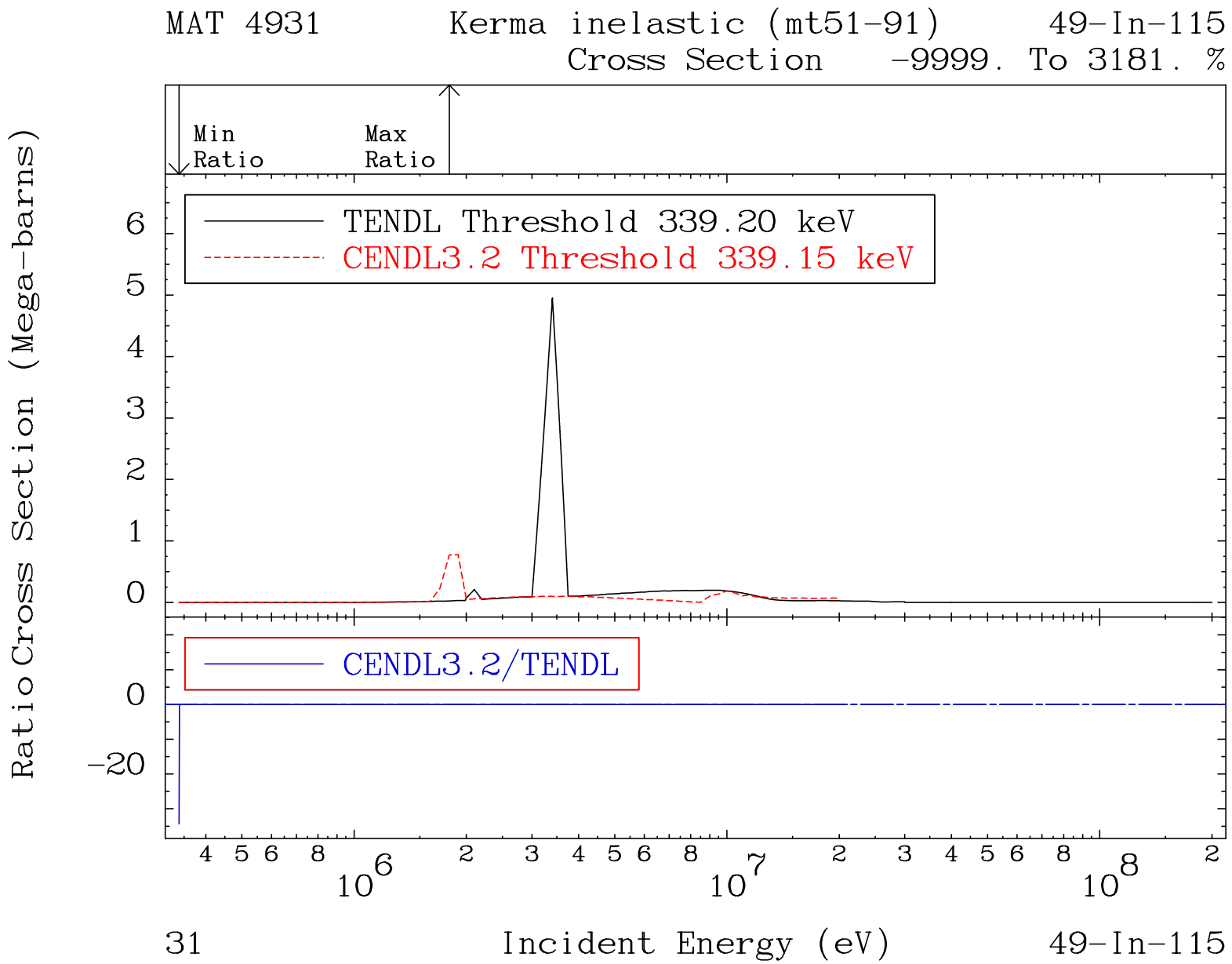

MAT 4931
Tritium Production
49-In-115
Cross Section
-100.0 To -33.80%
Min Ratio
Max Ratio
TENDL Threshold 7.4363 MeV
CENDL3.2 Threshold 15.250 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
0.8
0.4
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
26
Incident Energy (eV)
49-In-115

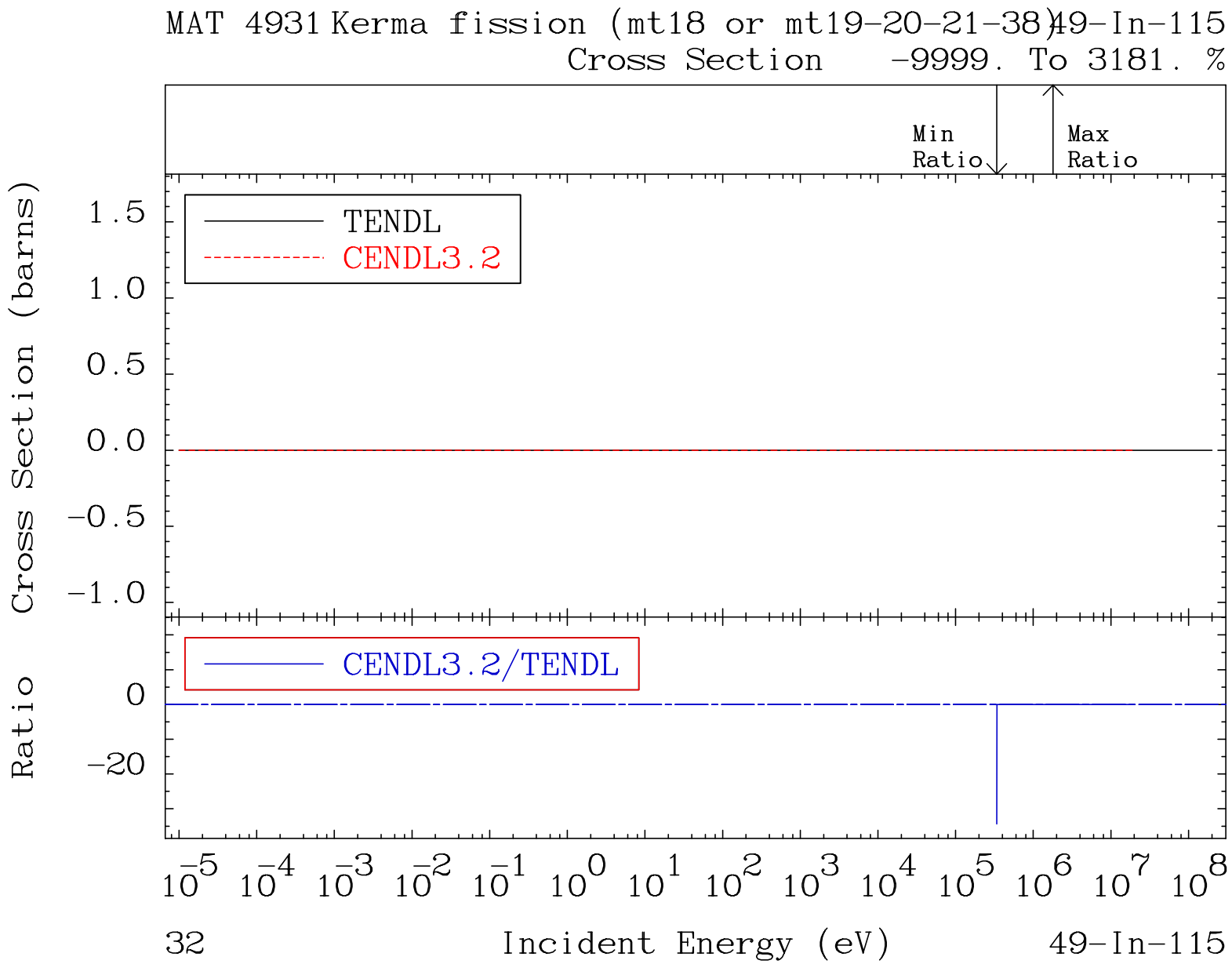

MAT 4931
He-4 Production
Cross Section
49-In-115
-100.0 To 259.7 %
Min Ratio
Max Ratio
TENDL
CENDL3.2 Threshold 7.7000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
4
2
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
27
Incident Energy (eV)
49-In-115

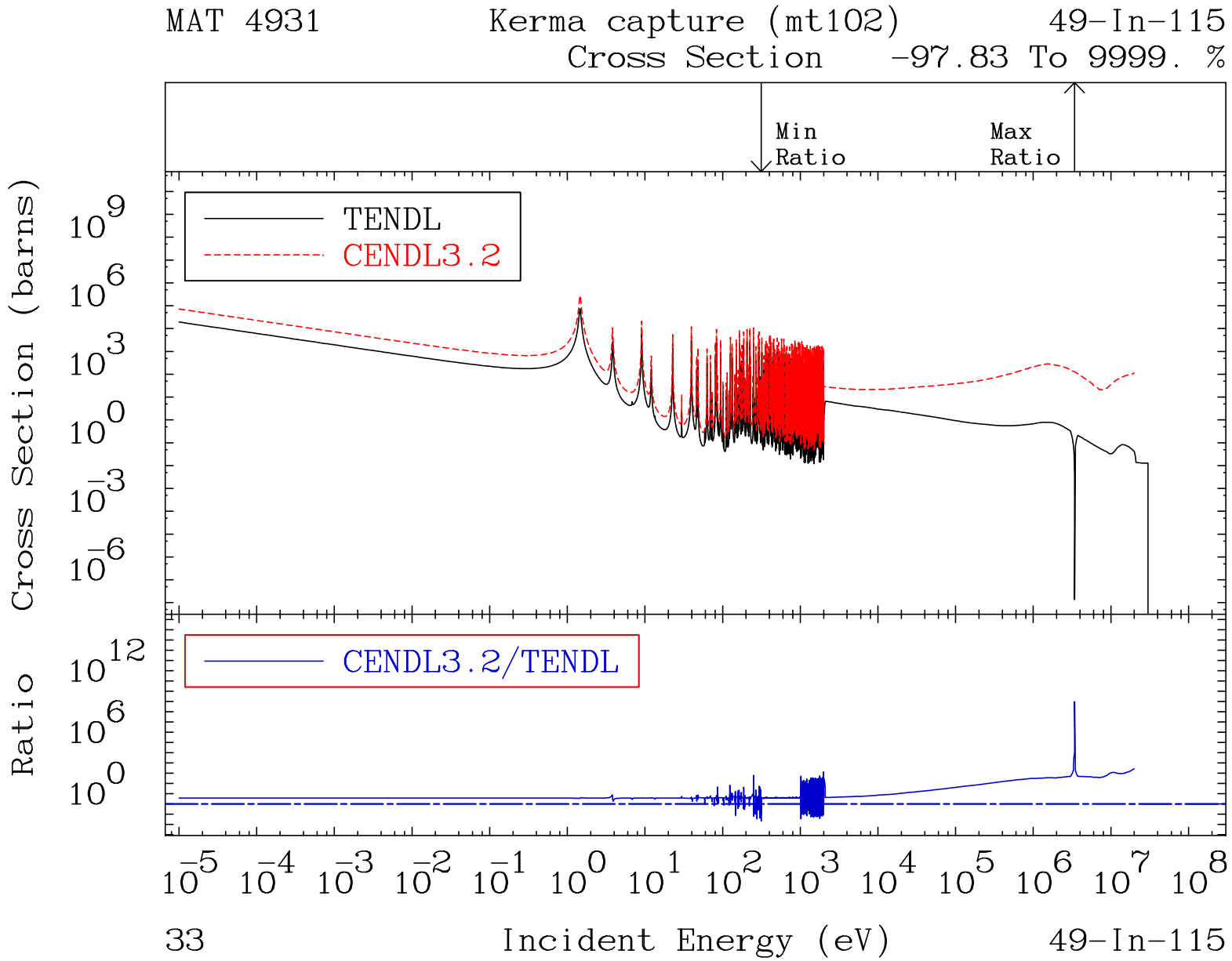

MAT 4931
Kerma total (eV-barns)
49-In-115
Cross Section -97.06 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
28
49-In-115

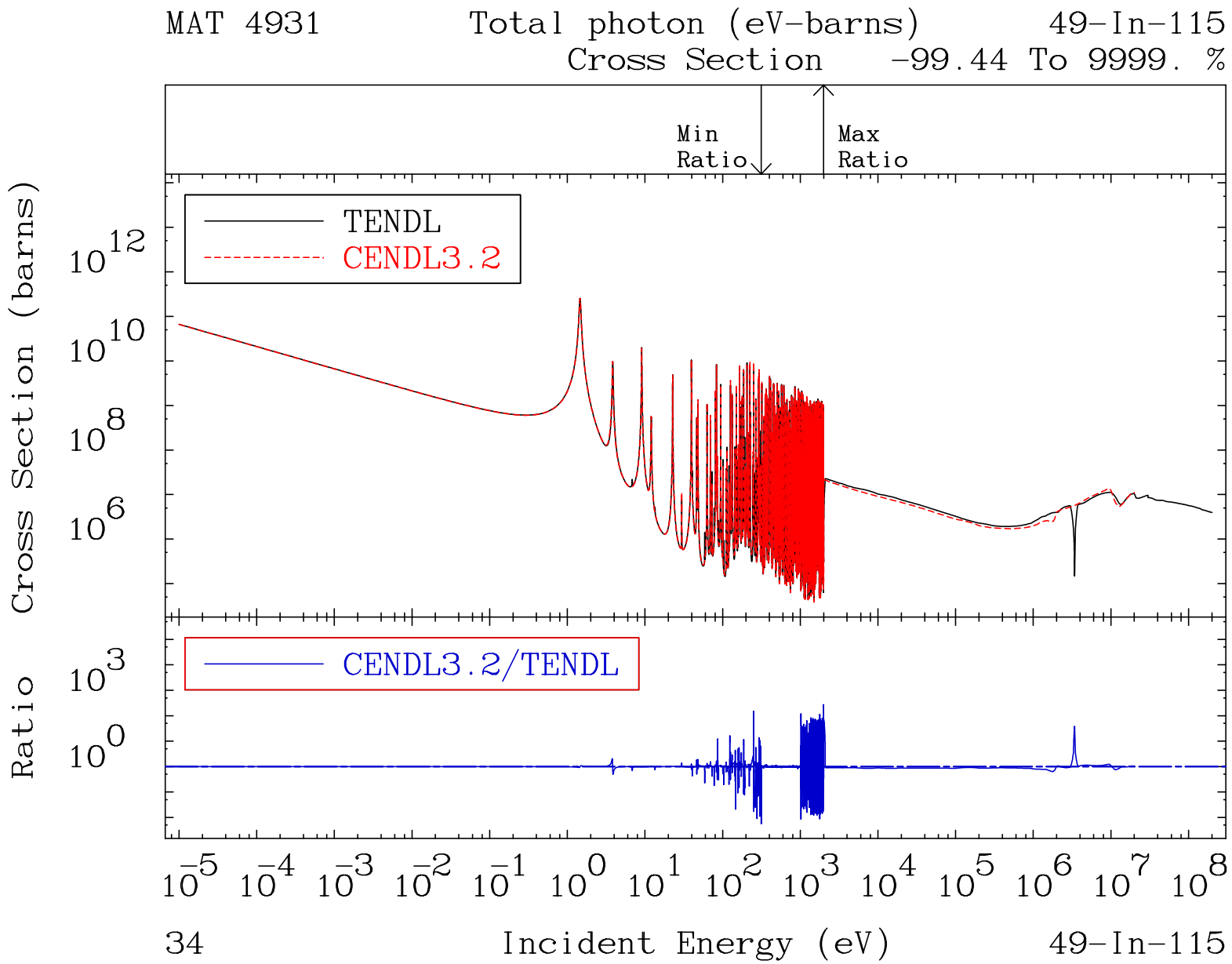

MAT 4931
Kerma elastic
Cross Section
49-In-115
-97.46 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
29
49-In-115

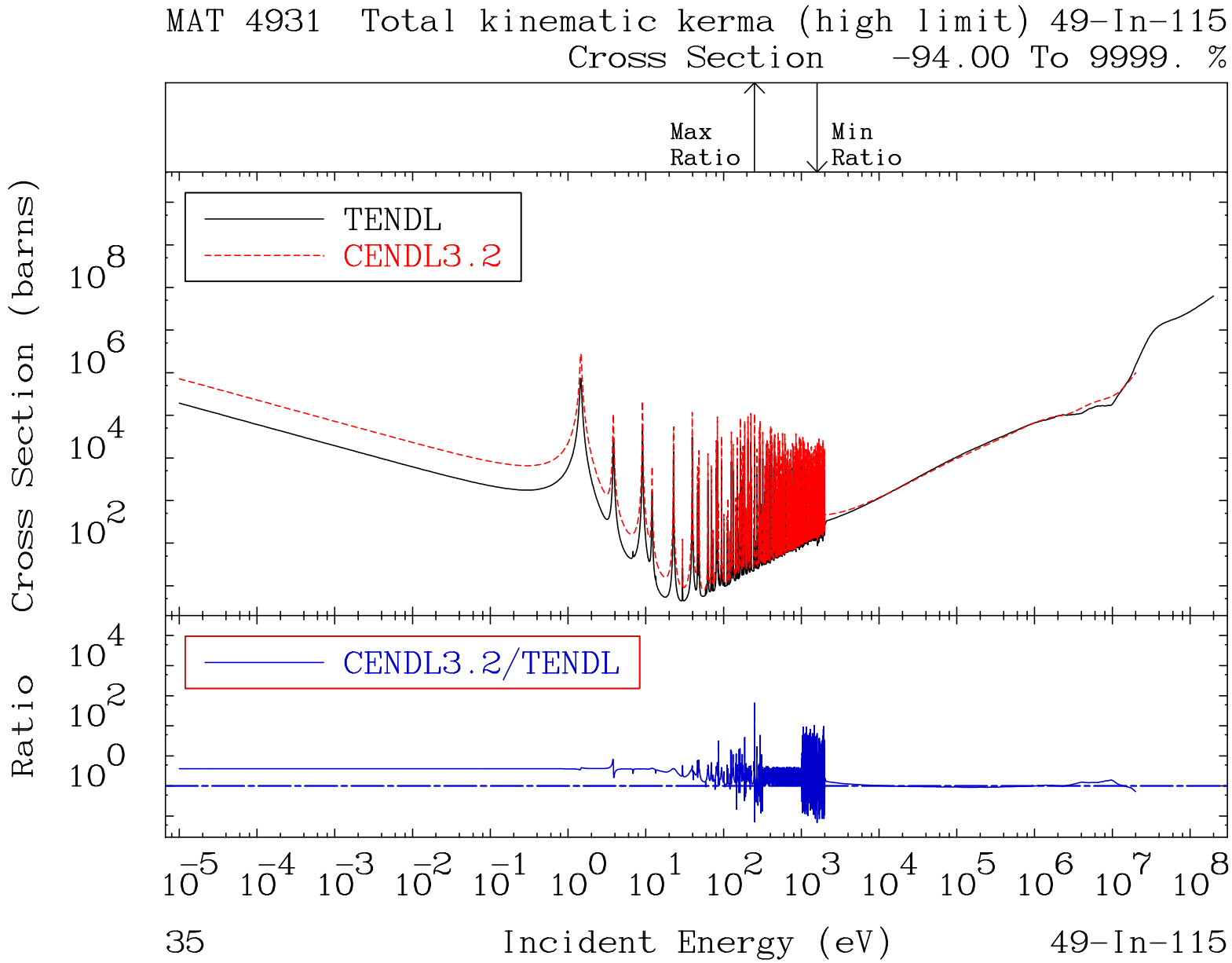

MAT 4931 Kerma non-elastic (all but mt2) 49-In-115
Cross Section -97.99 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
30
49-In-115

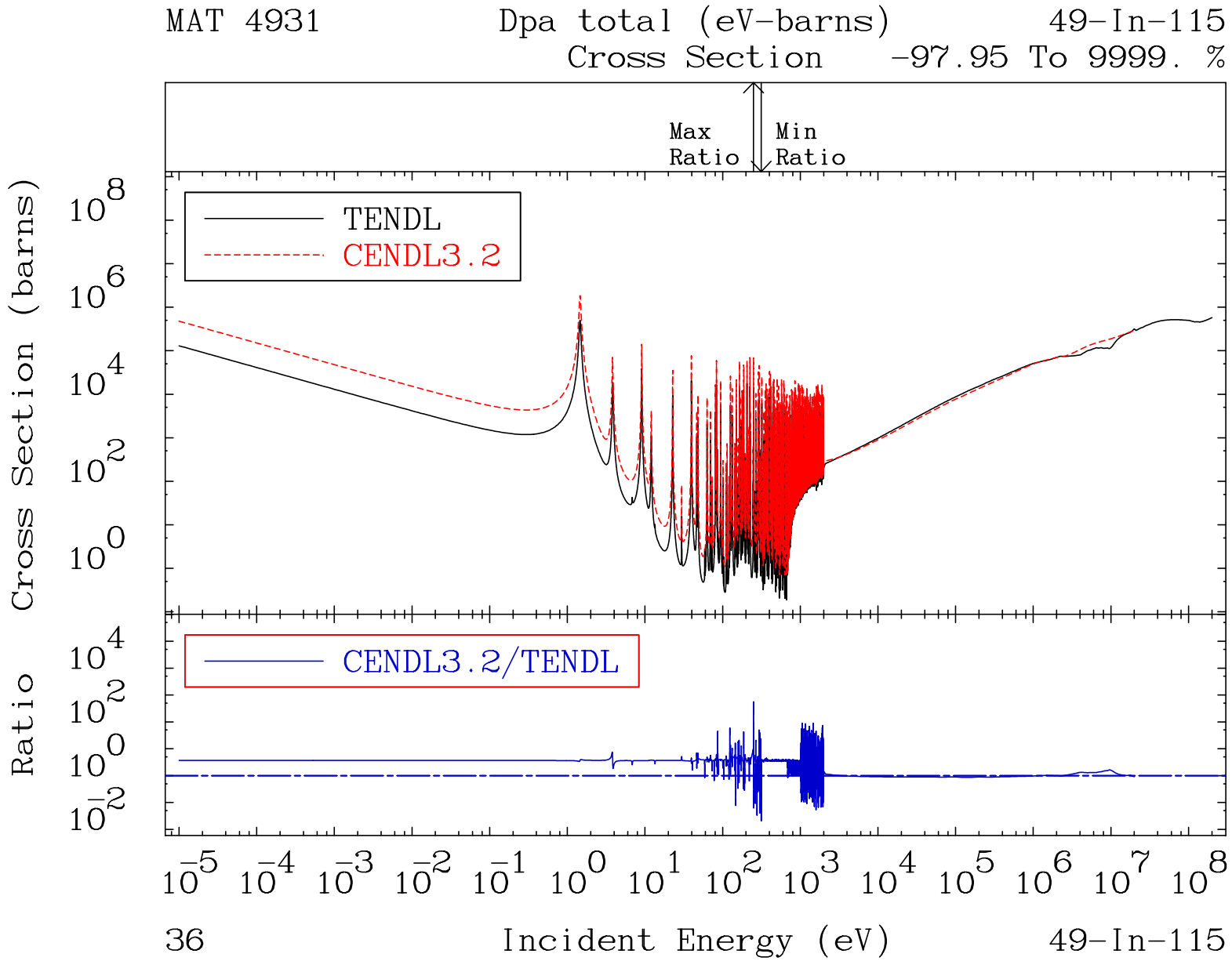

MAT 4931
Kerma inelastic (mt51-91)
49-In-115
Cross Section -9999. To 3181. %
Min Ratio
Max Ratio
TENDL Threshold 339.20 keV
CENDL3.2 Threshold 339.15 keV
CENDL3.2/TENDL
Ratio Cross Section (Mega-barns)
Incident Energy (eV)
31
49-In-115

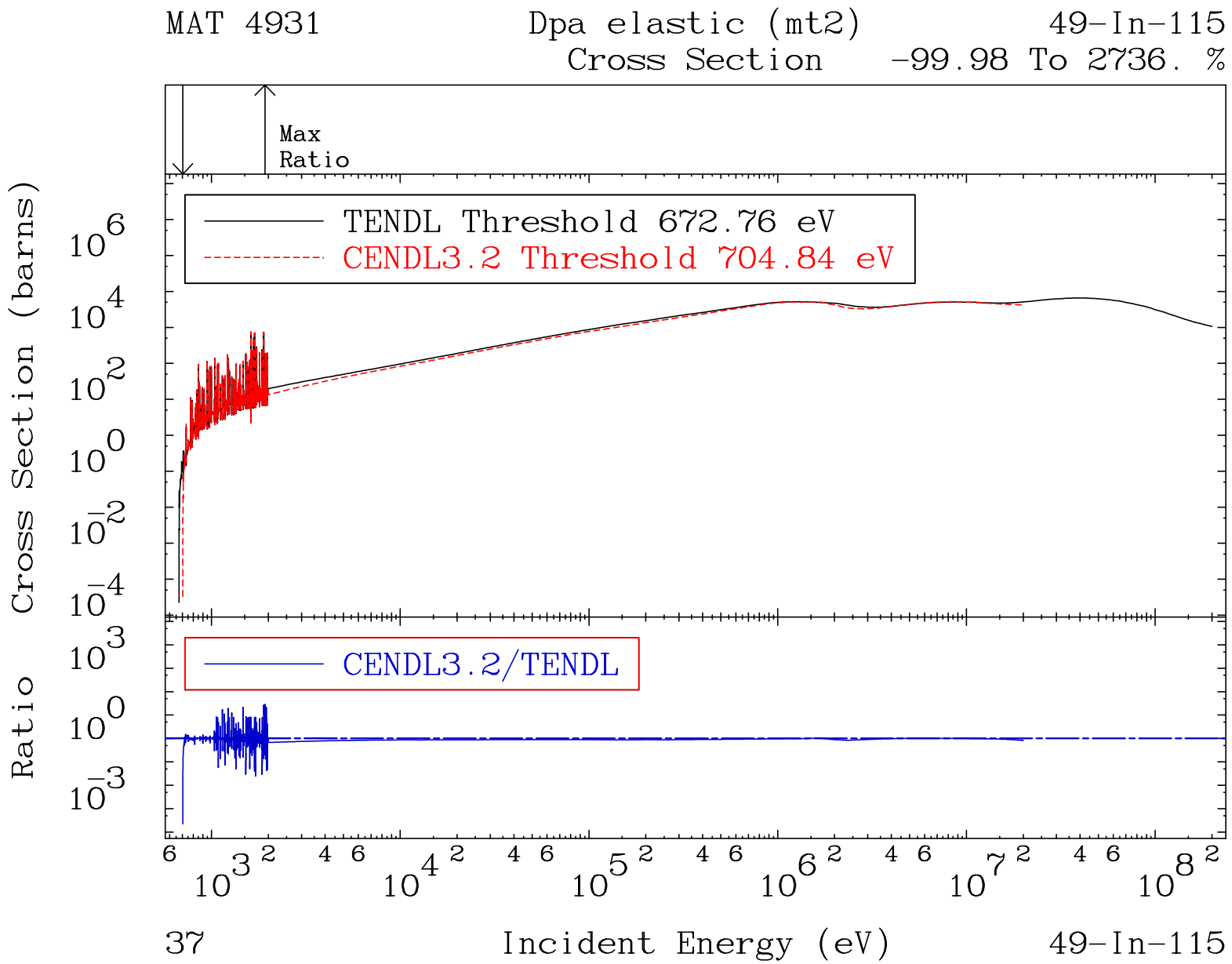

MAT 4931 Kerma fission (mt18 or mt19-20-21-38) 49-In-115
Cross Section -9999. To 3181. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
0
-20
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
32
Incident Energy (eV)
49-In-115

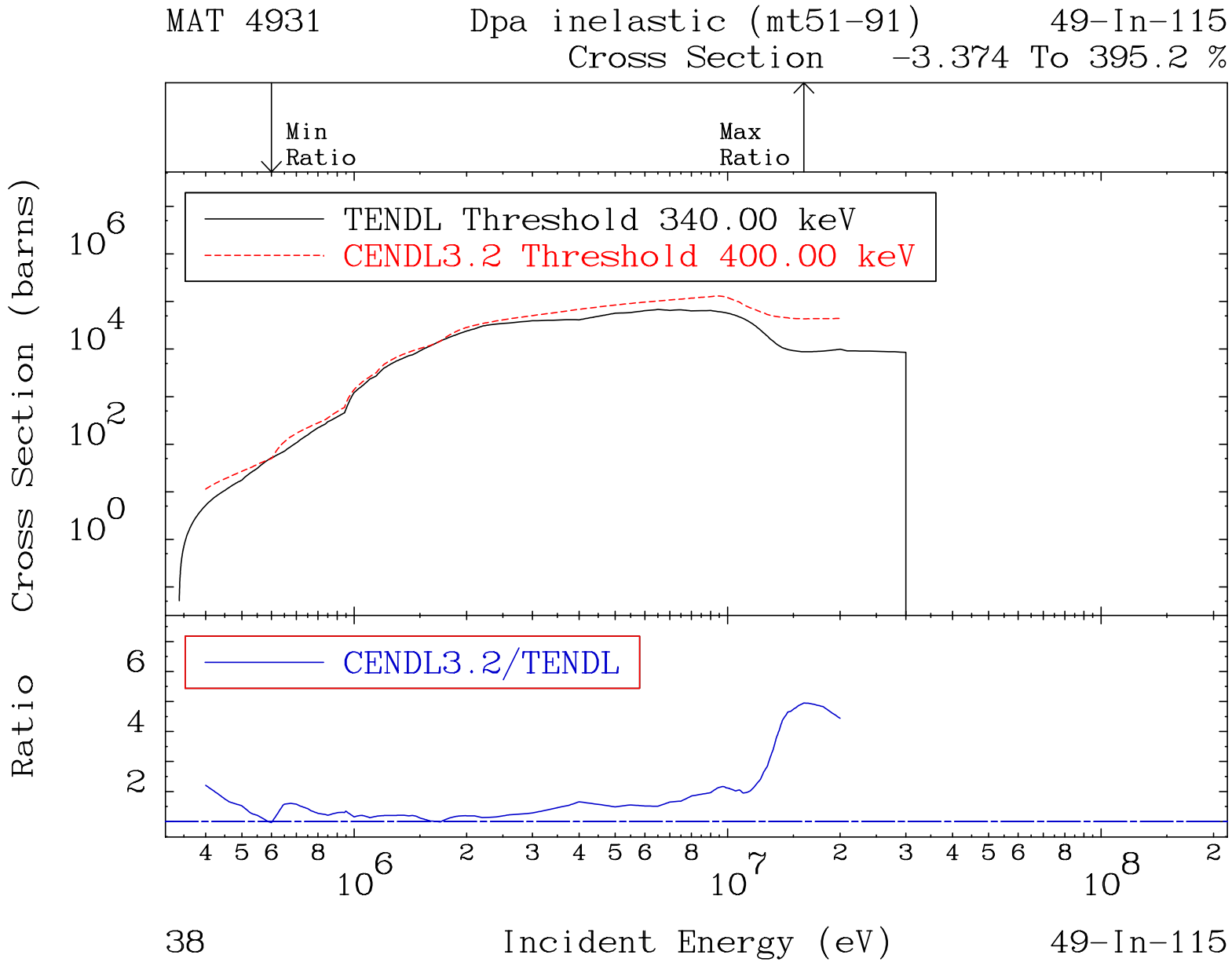

MAT 4931
Kerma capture (mt102)
49-In-115
Cross Section
-97.83 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
33
49-In-115

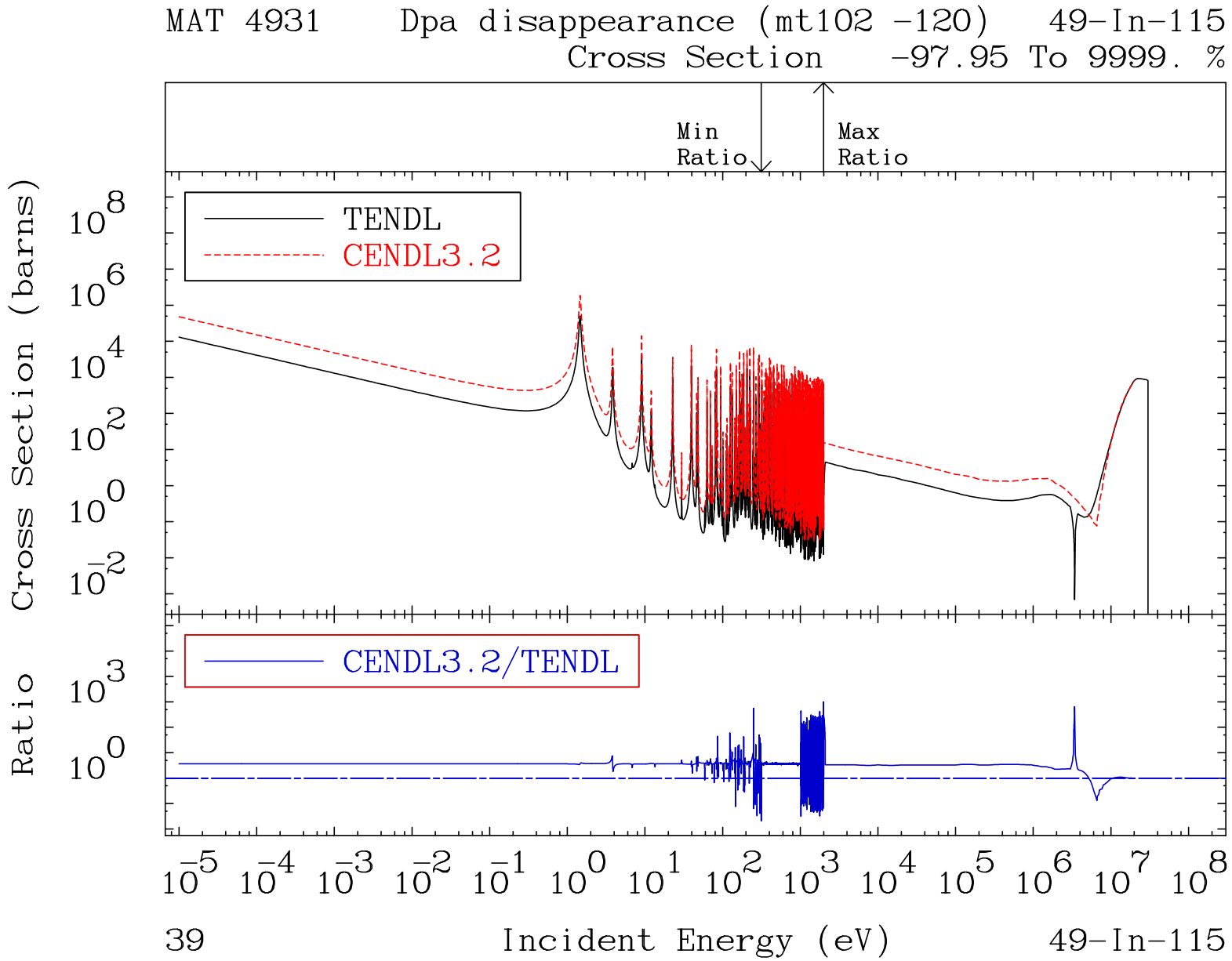

MAT 4931
Total photon (eV-barns)
49-In-115
Cross Section
-99.44 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
Cross Section (barns)
10^{12}
10^{10}
10^{8}
10^{6}
CENDL3.2/TENDL
Ratio
10^{3}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
34
Incident Energy (eV)
49-In-115

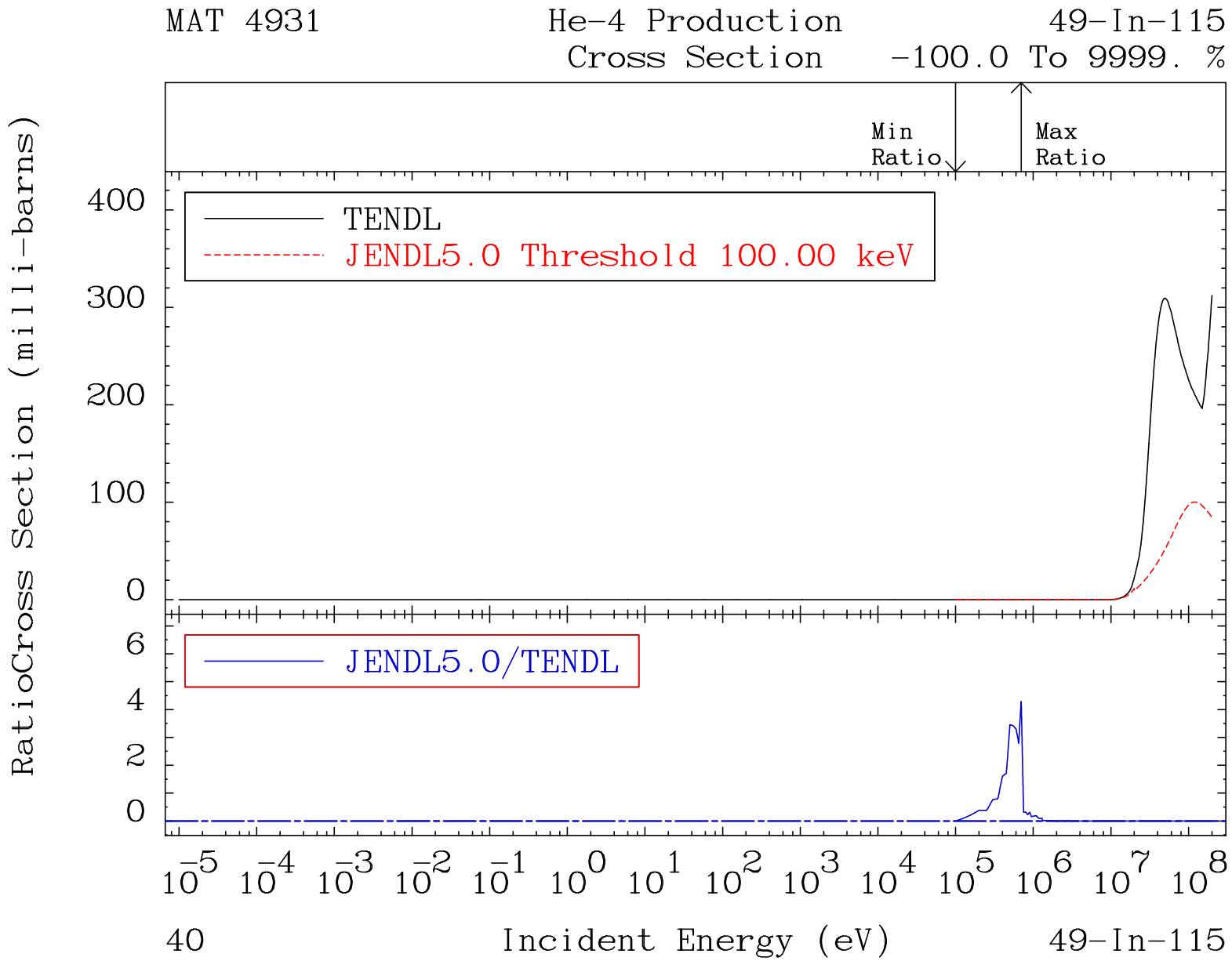

MAT 4931 Total kinematic kerma (high limit) 49-In-115
Cross Section -94.00 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
35
49-In-115

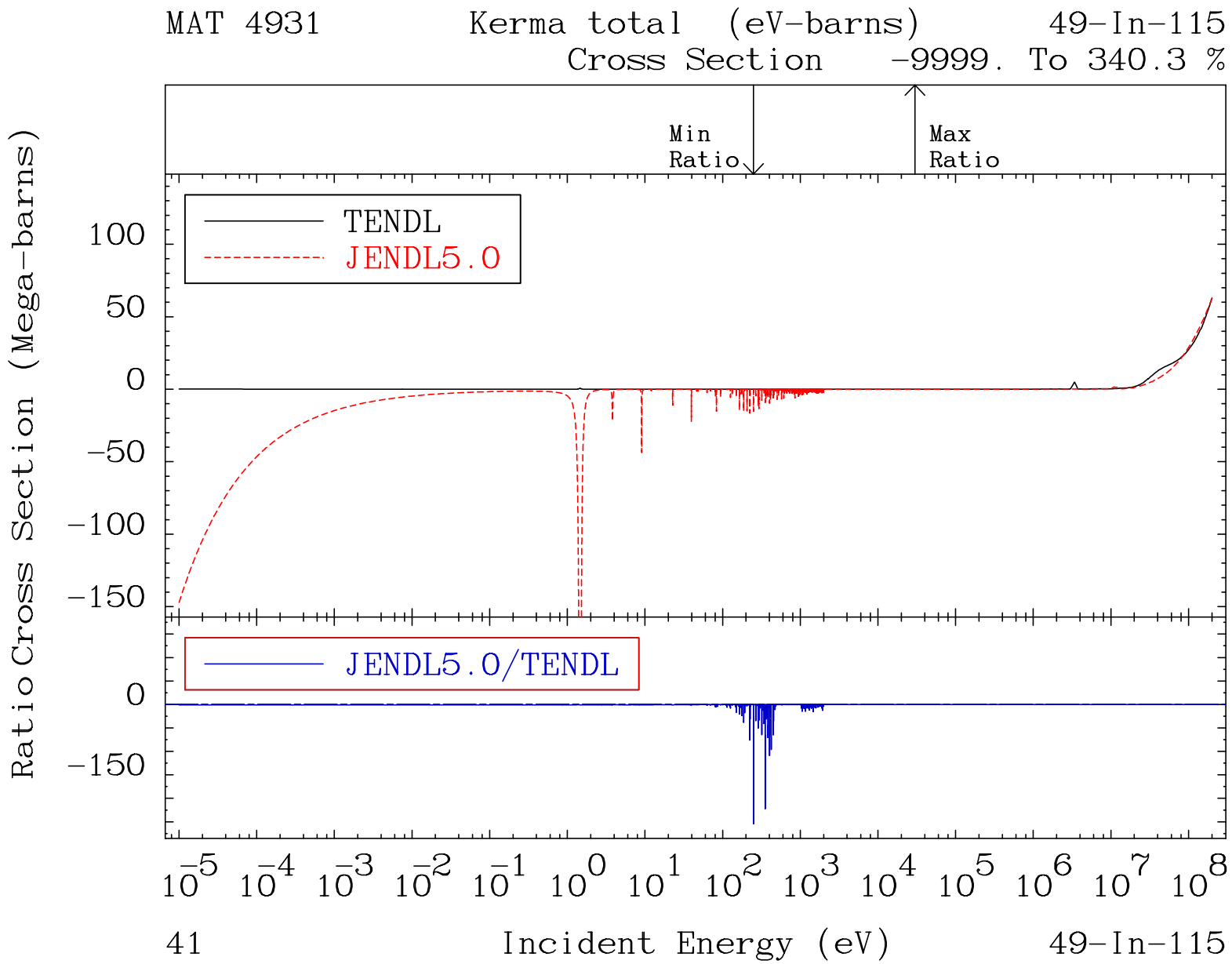

MAT 4931
Dpa total (eV-barns)
49-In-115
Cross Section -97.95 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
49-In-115

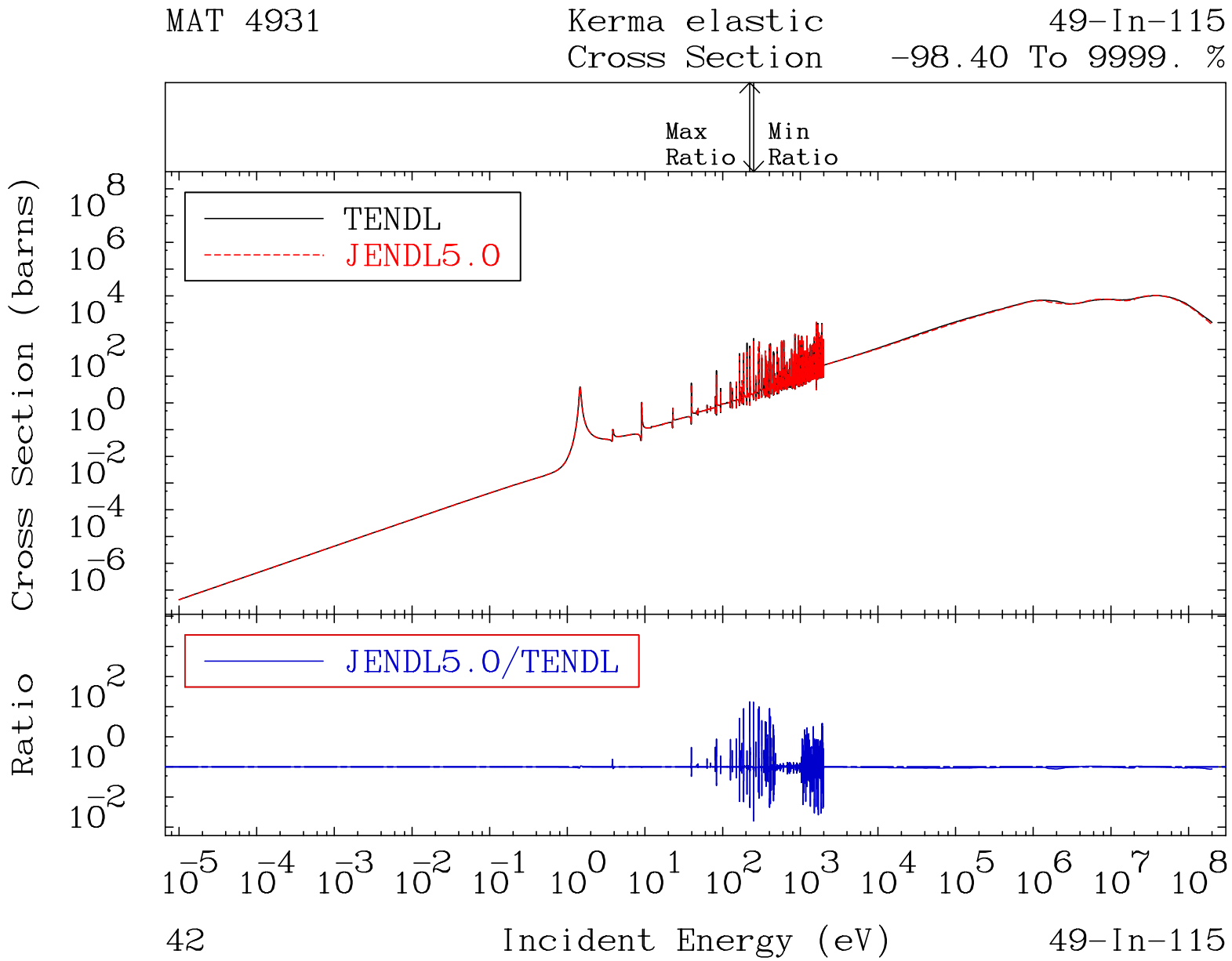

MAT 4931
Dpa elastic (mt2)
Cross Section
49-In-115
-99.98 To 2736. %
Max
Ratio
TENDL Threshold 672.76 eV
CENDL3.2 Threshold 704.84 eV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
37
49-In-115

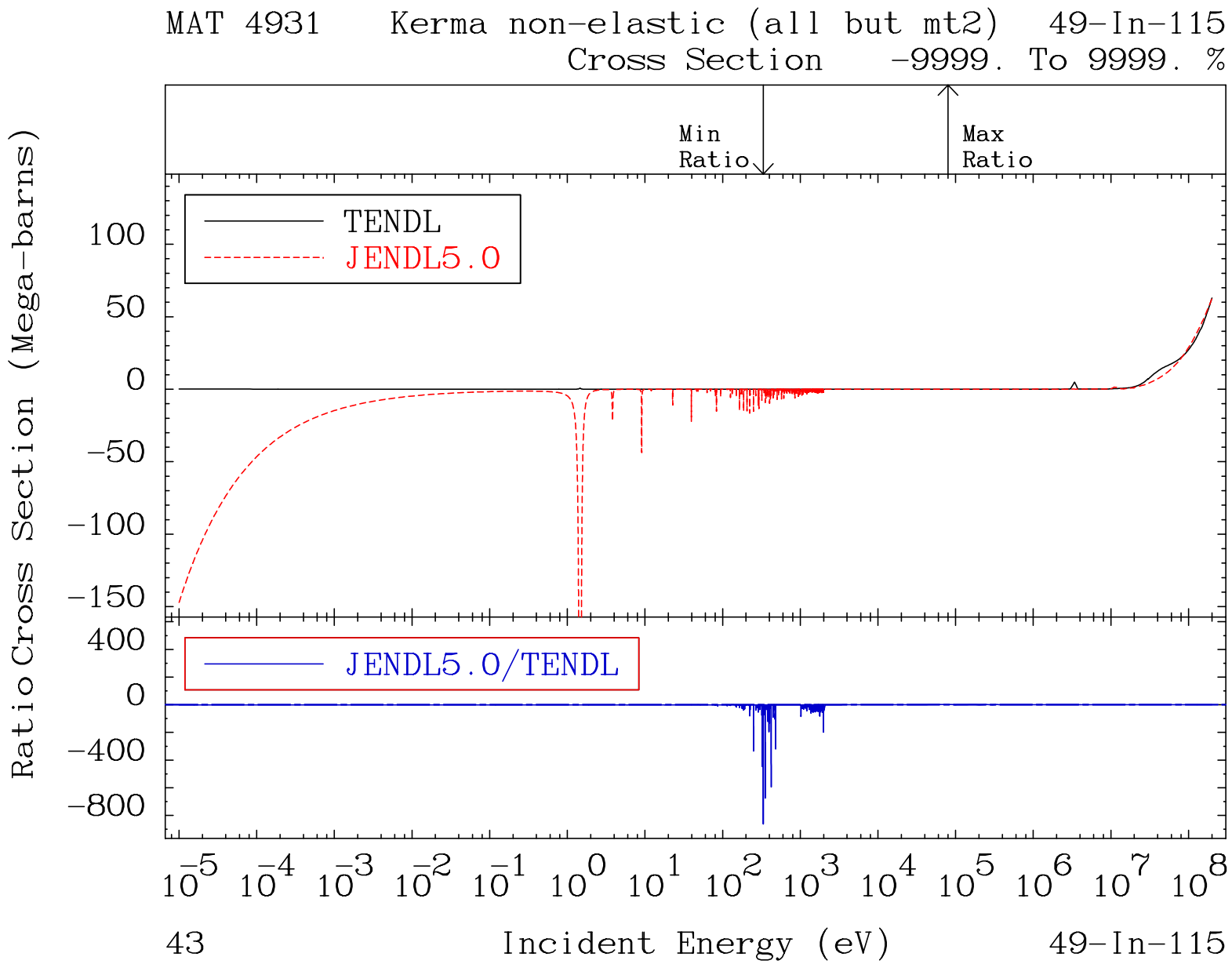

MAT 4931
Dpa inelastic (mt51-91)
49-In-115
Cross Section
-3.374 To 395.2 %
Min Ratio
Max Ratio
TENDL Threshold 340.00 keV
CENDL3.2 Threshold 400.00 keV
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
38
49-In-115

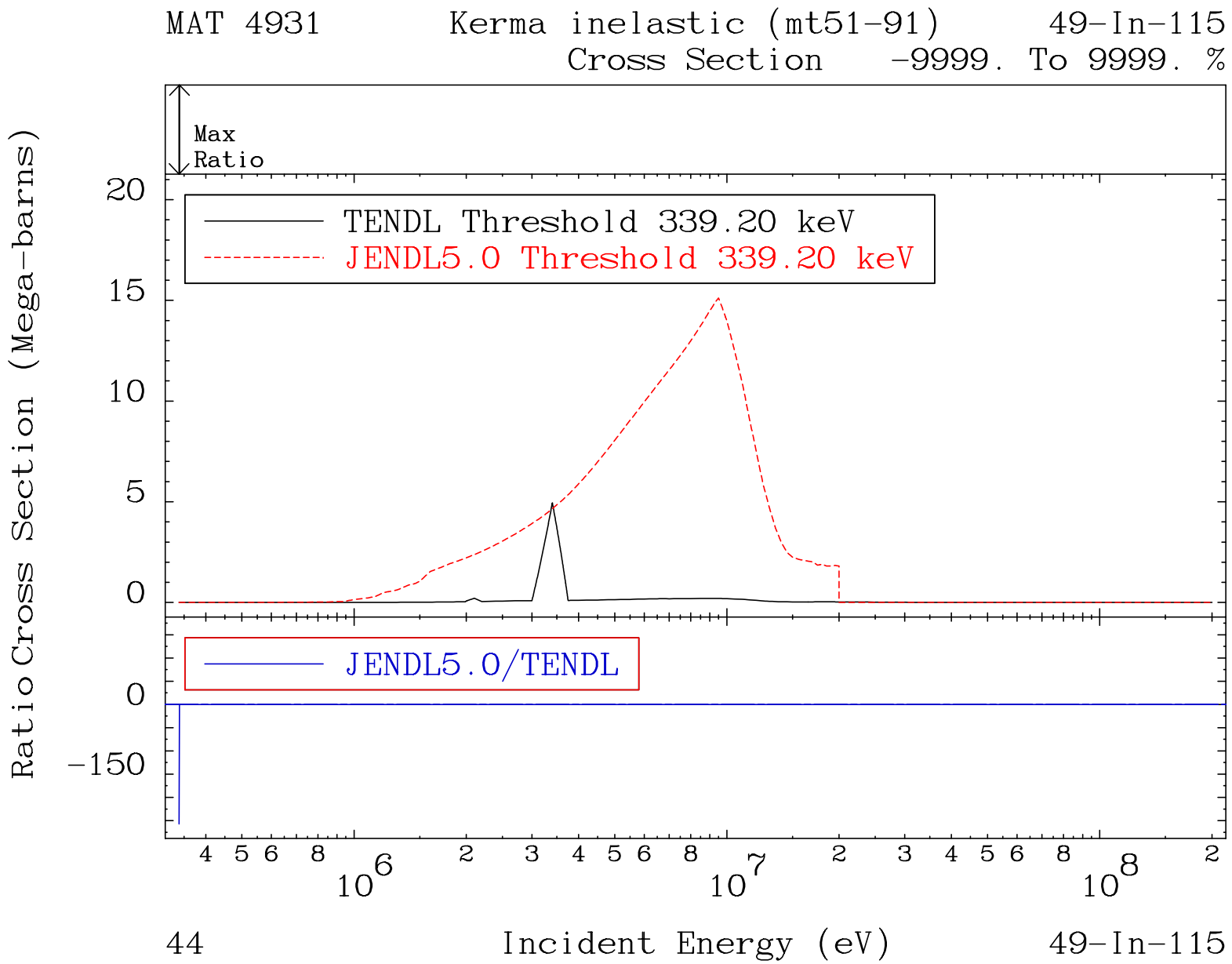

MAT 4931 Dpa disappearance (mt102 -120) 49-In-115
Cross Section -97.95 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
49-In-115

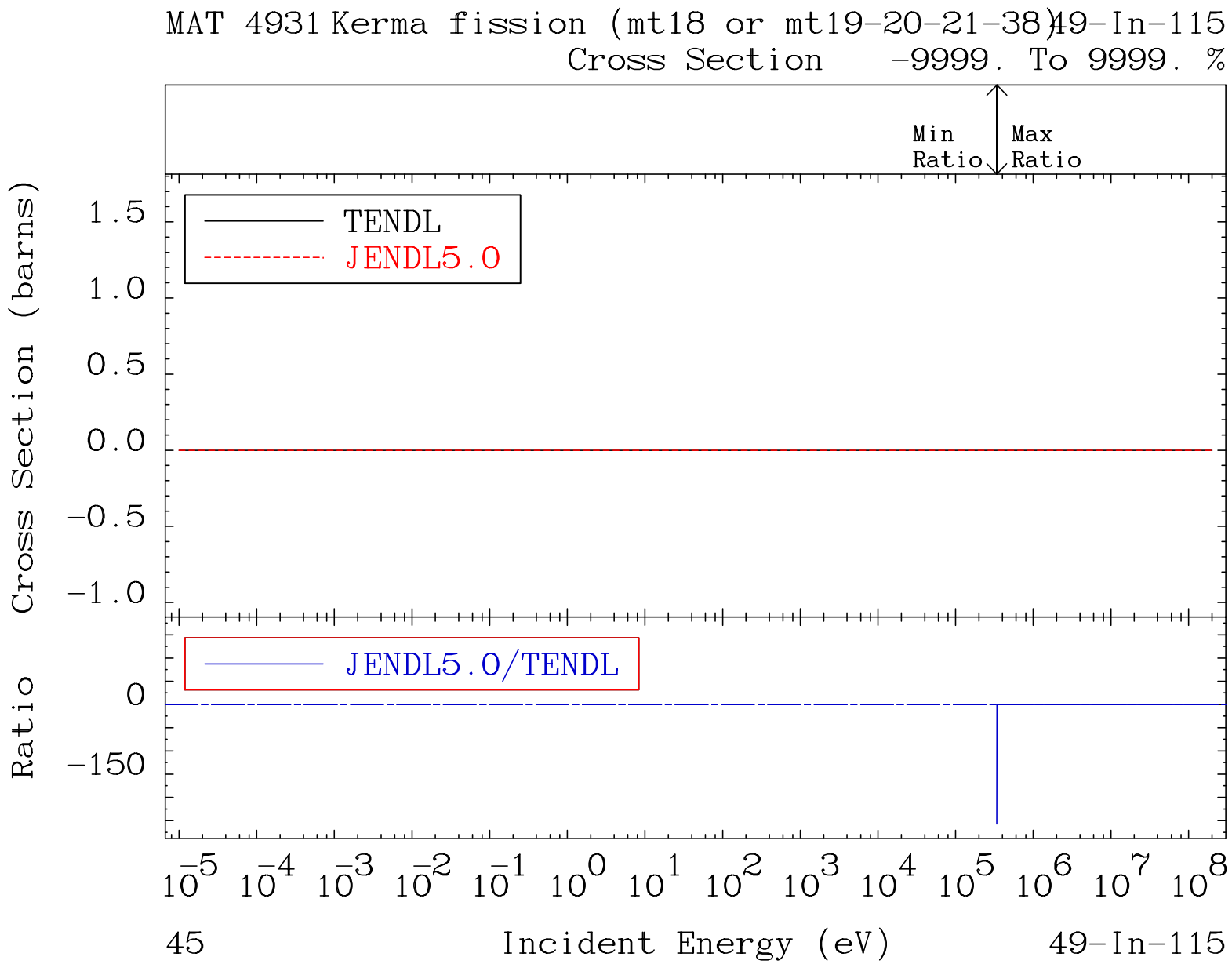

MAT 4931
He-4 Production
Cross Section
49-In-115
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 100.00 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
6
4
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
Incident Energy (eV)
40
49-In-115

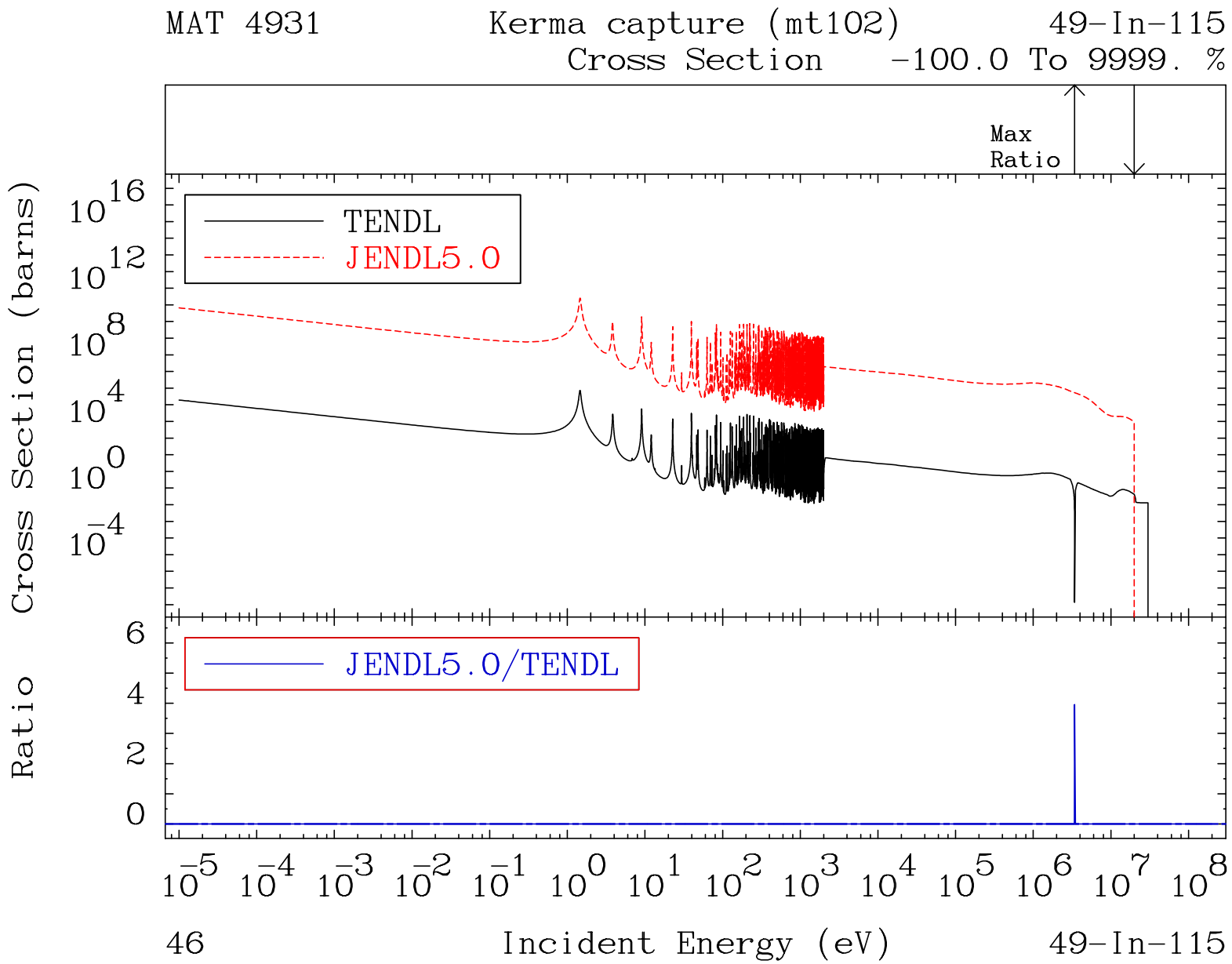

MAT 4931
Kerma total (eV-barns)
49-In-115
Cross Section -9999. To 340.3 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Mega-barns)
100
50
0
-50
-100
-150
0
-150
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
41
Incident Energy (eV)
49-In-115

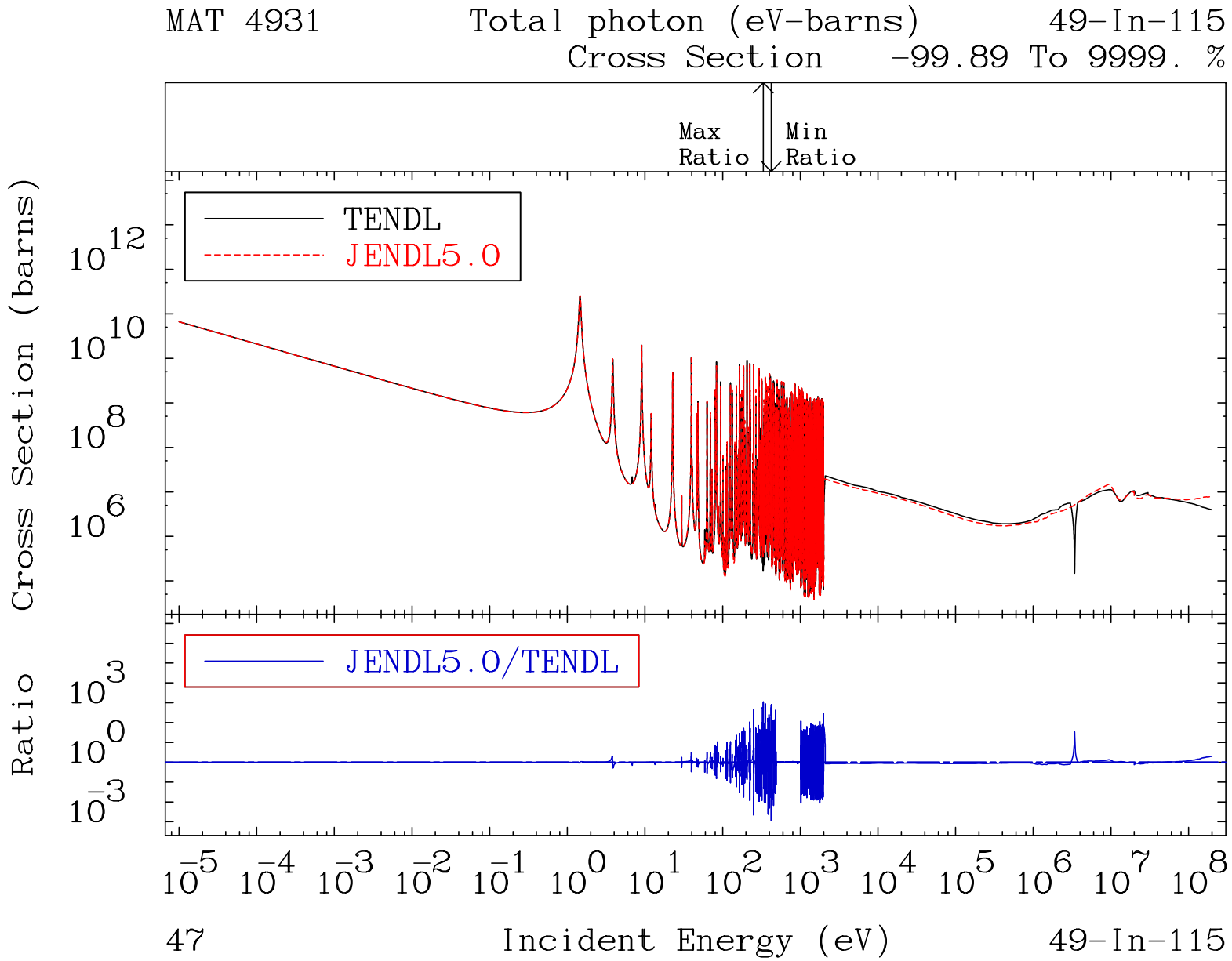

MAT 4931
Kerma elastic
Cross Section
49-In-115
-98.40 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
49-In-115

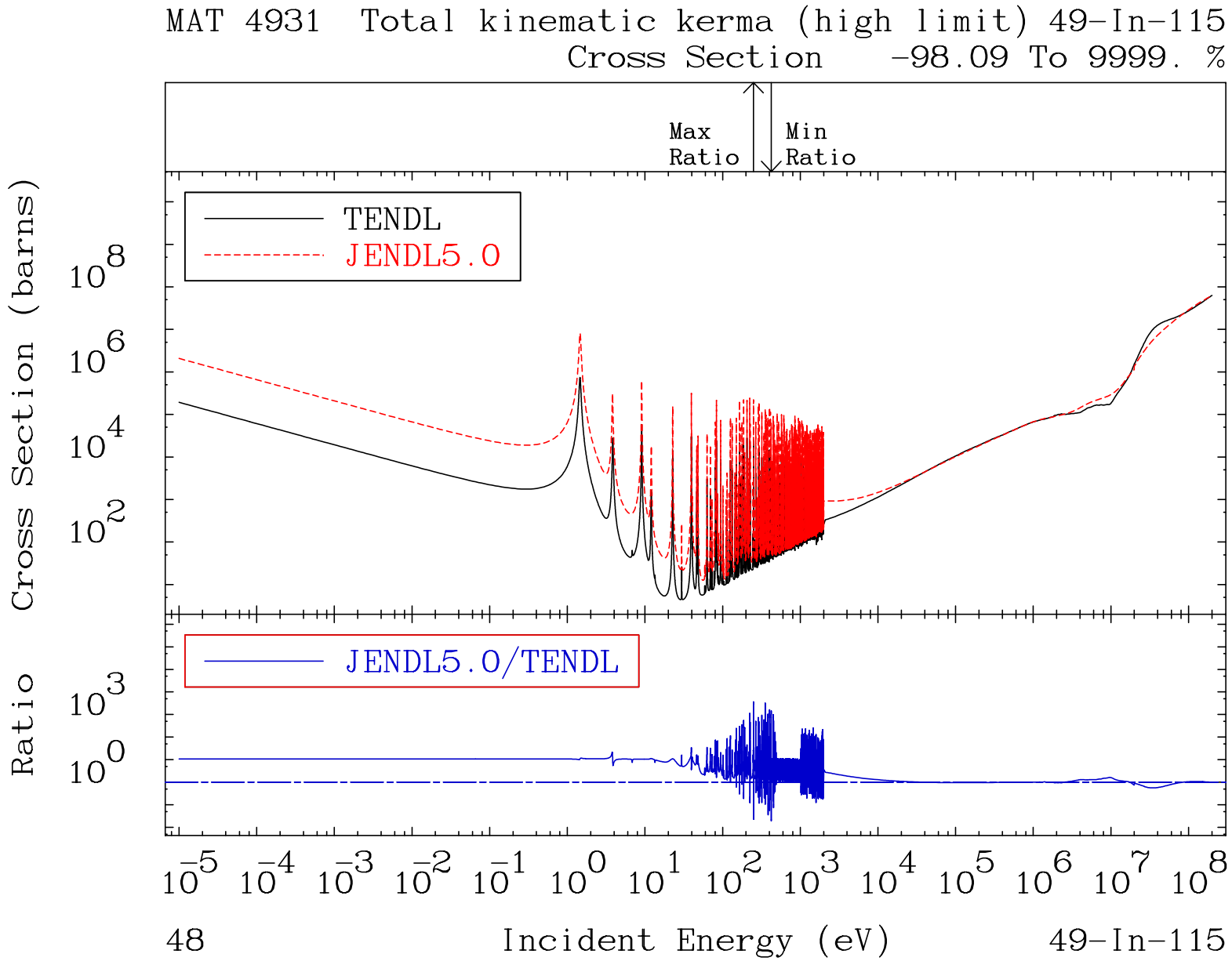

MAT 4931 Kerma non-elastic (all but mt2) 49-In-115
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Ratio Cross Section (Mega-barns)
100
50
0
-50
-100
-150
400
0
-400
-800
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
43
Incident Energy (eV)
49-In-115

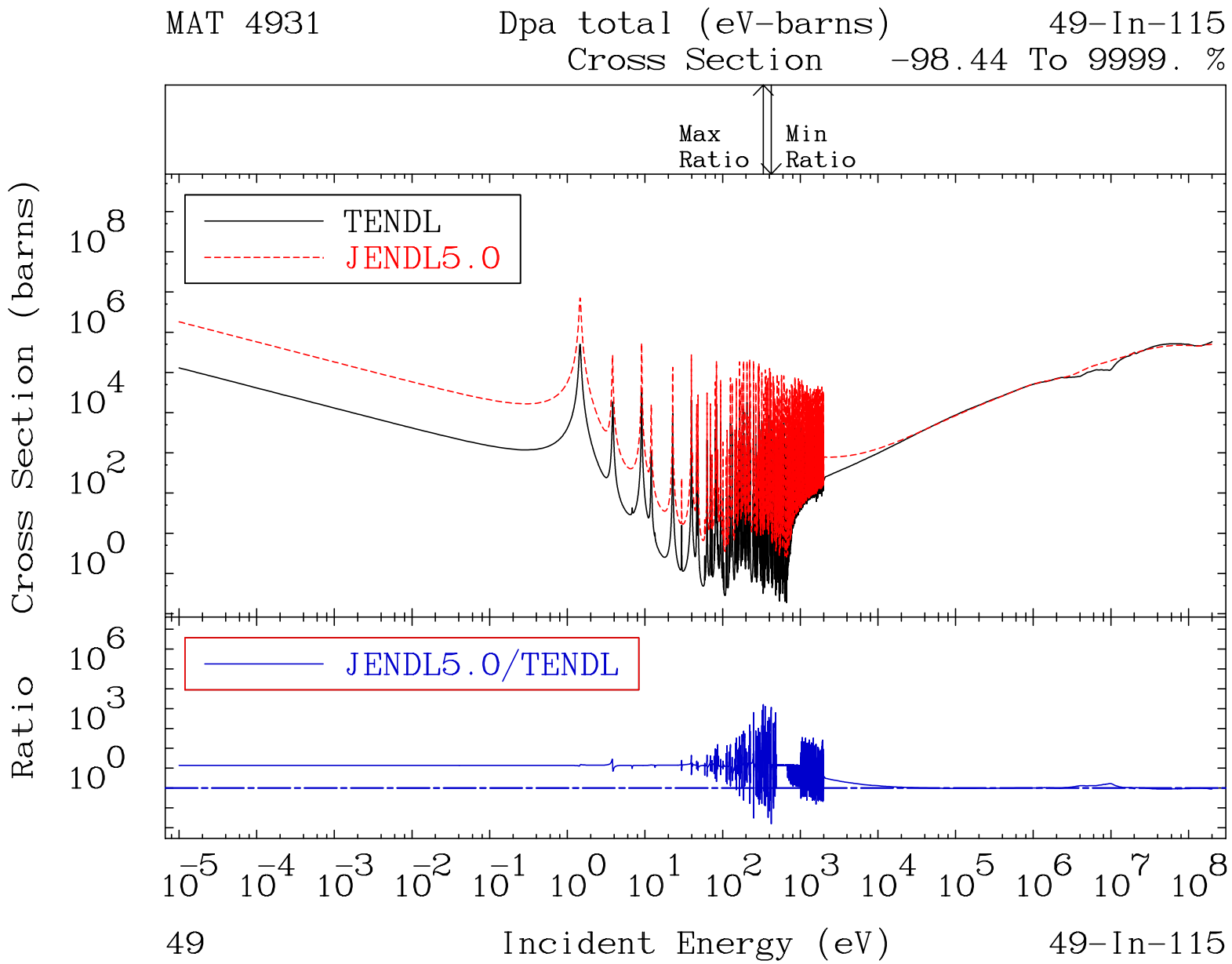

MAT 4931
Kerma inelastic (mt51-91)
49-In-115
Cross Section -9999. To 9999. %
Max
Ratio
TENDL Threshold 339.20 keV
JENDL5.0 Threshold 339.20 keV
JENDL5.0/TENDL
Ratio Cross Section (Mega-barns)
20
15
10
5
0
0
-150
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
44
Incident Energy (eV)
49-In-115

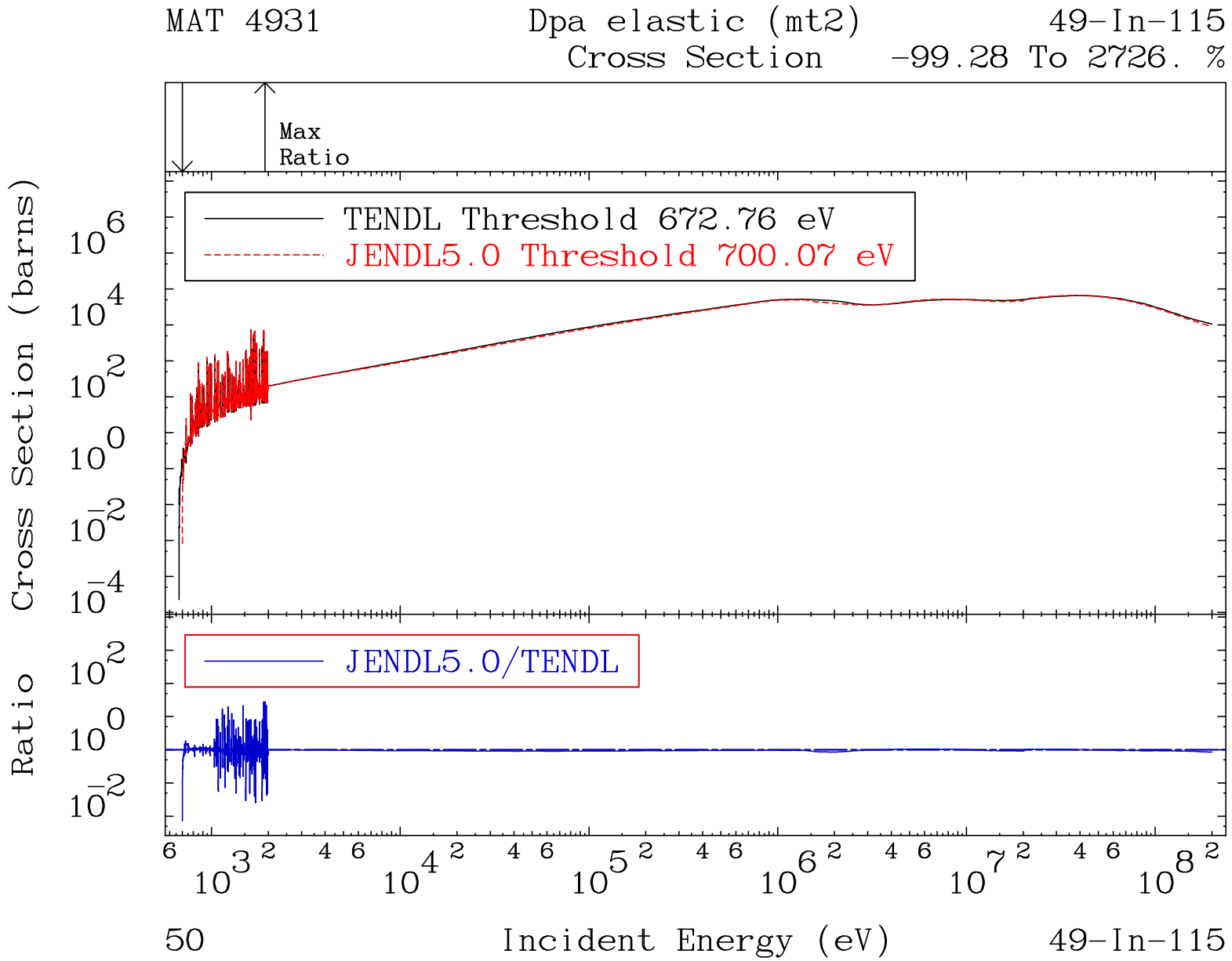

MAT 4931 Kerma fission (mt18 or mt19-20-21-38) 49-In-115
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
0
-150
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
45
Incident Energy (eV)
49-In-115

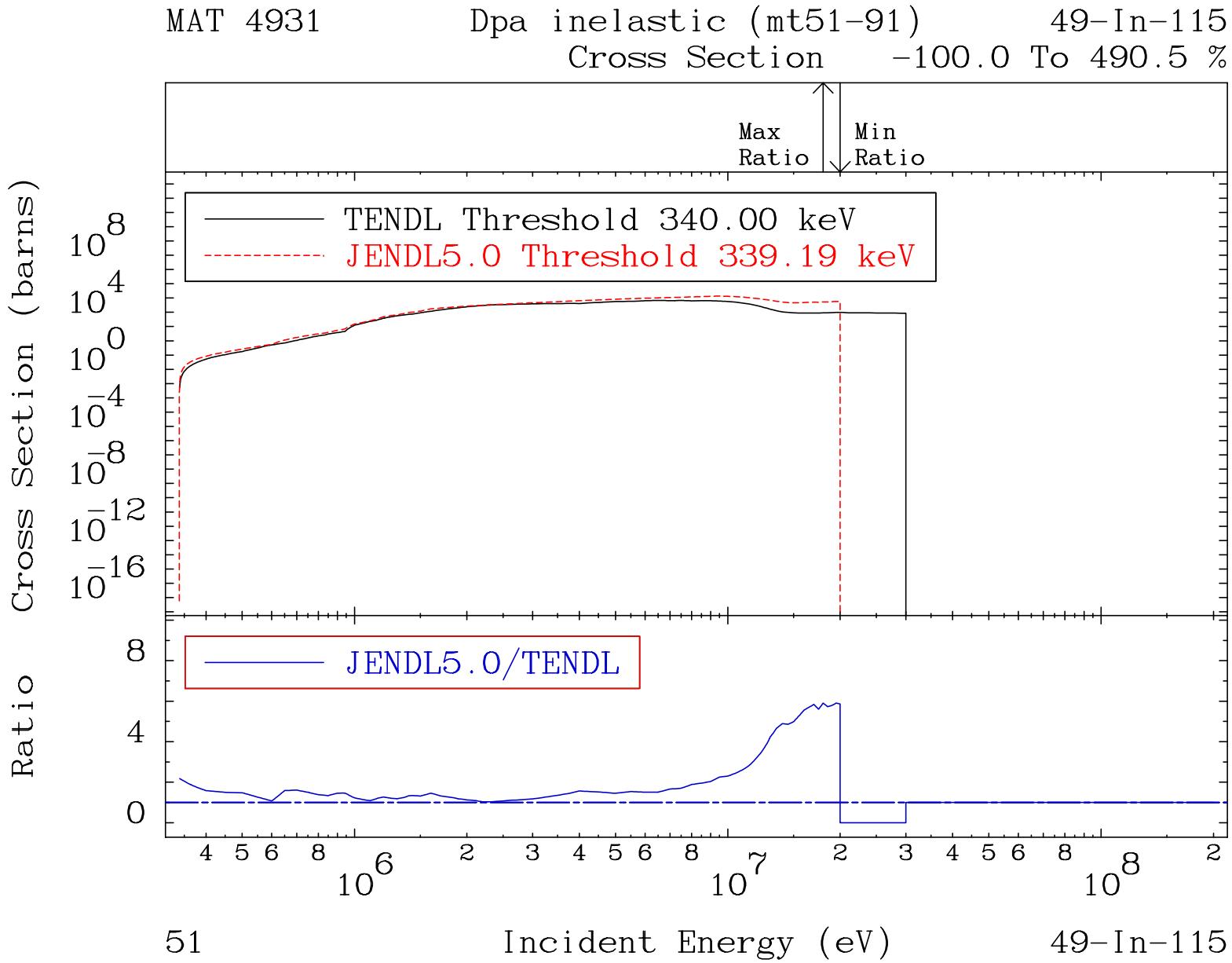

MAT 4931
Kerma capture (mt102)
49-In-115
Cross Section -100.0 To 9999. %
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
49-In-115

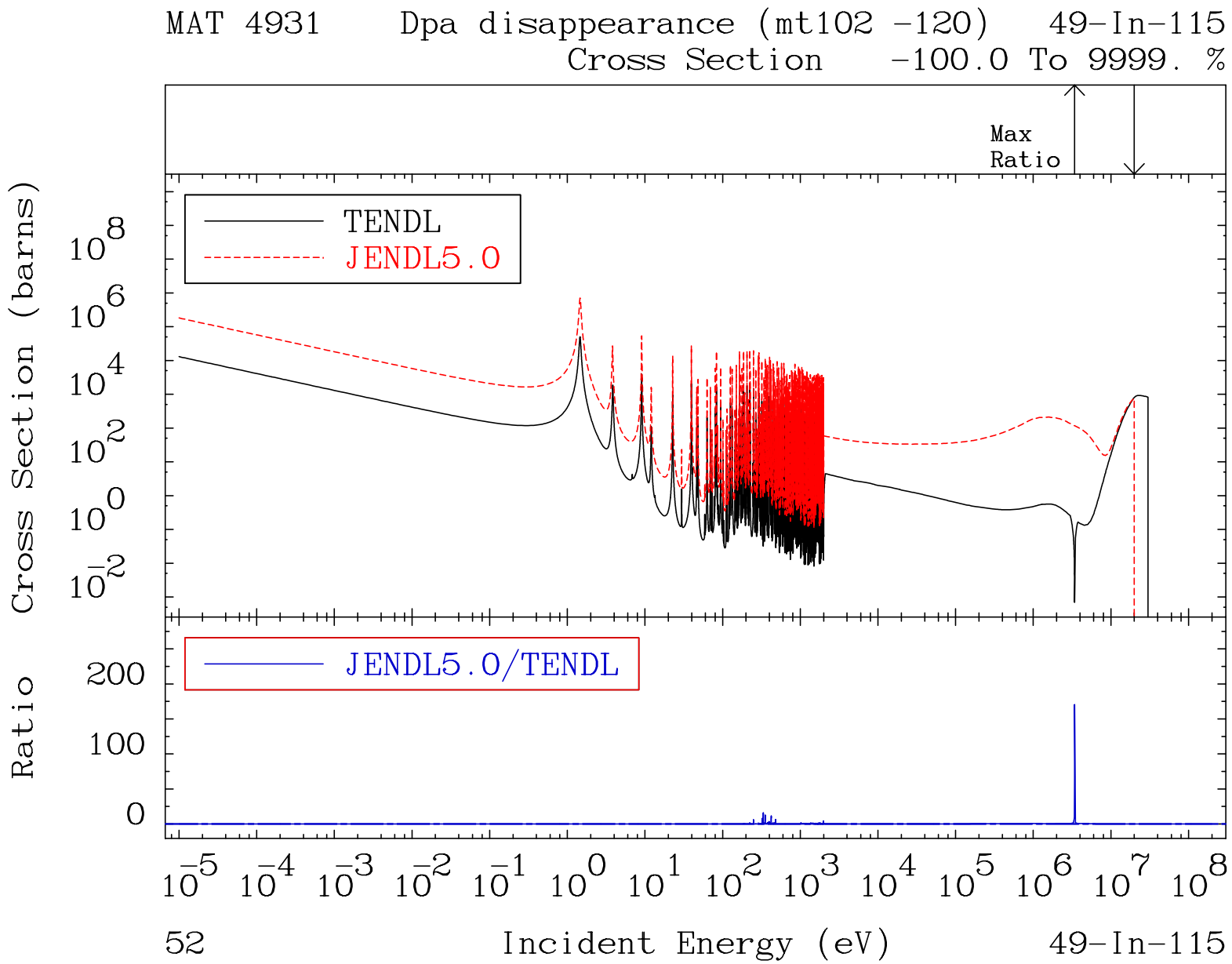

MAT 4931
Total photon (eV-barns)
49-In-115
Cross Section -99.89 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
47
49-In-115

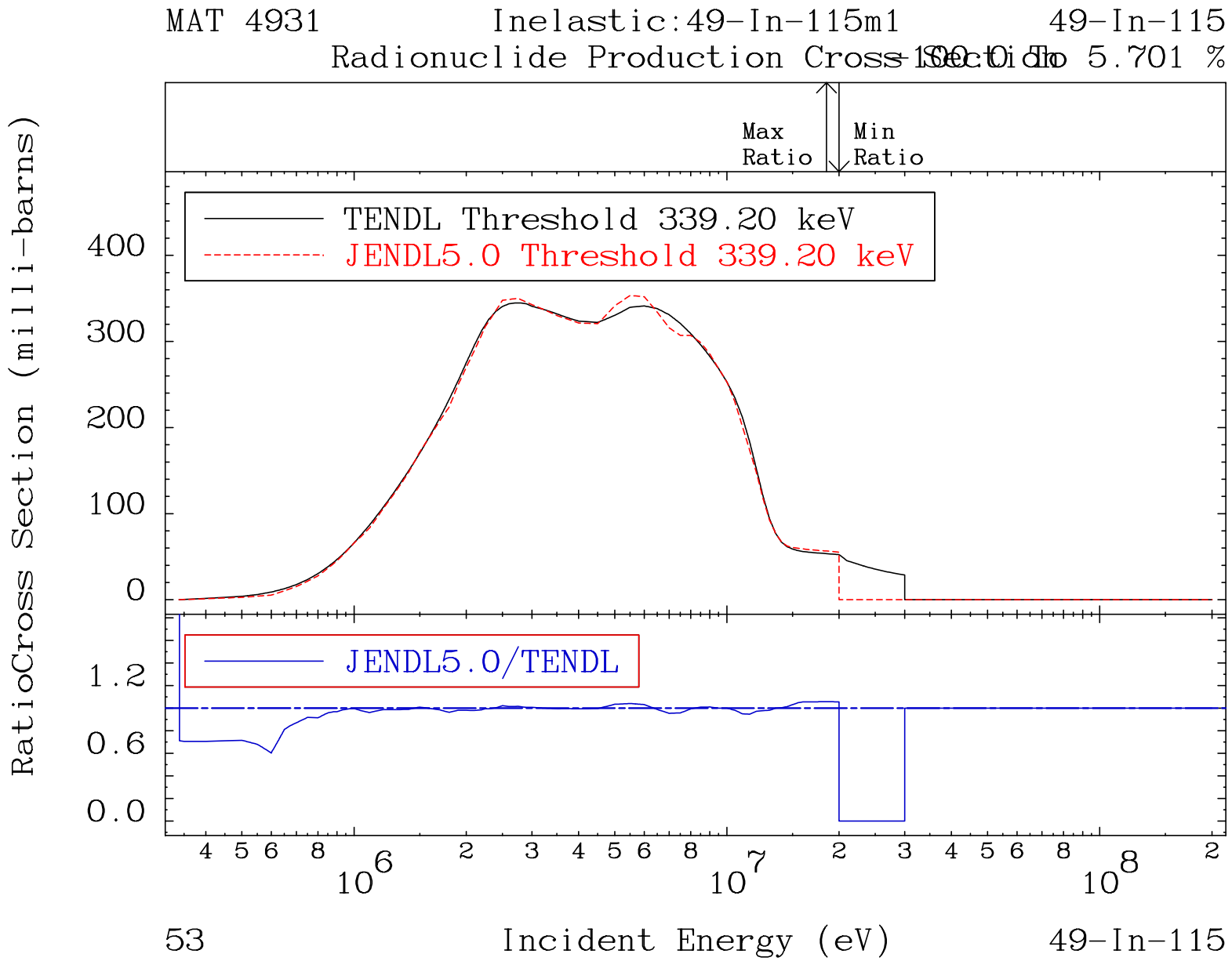

MAT 4931 Total kinematic kerma (high limit) 49-In-115
Cross Section -98.09 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
49-In-115

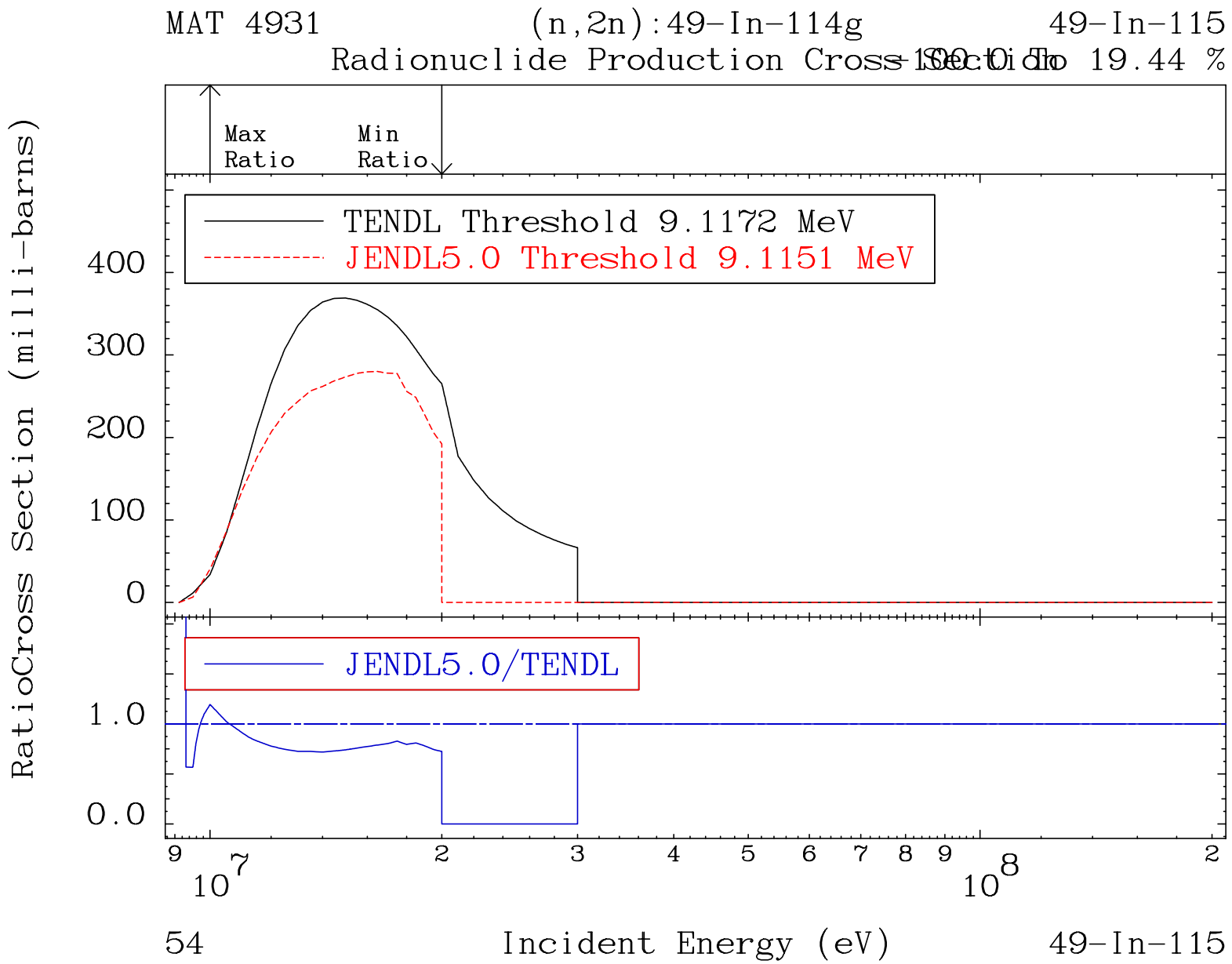

MAT 4931
Dpa total (eV-barns)
49-In-115
Cross Section
-98.44 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
49-In-115

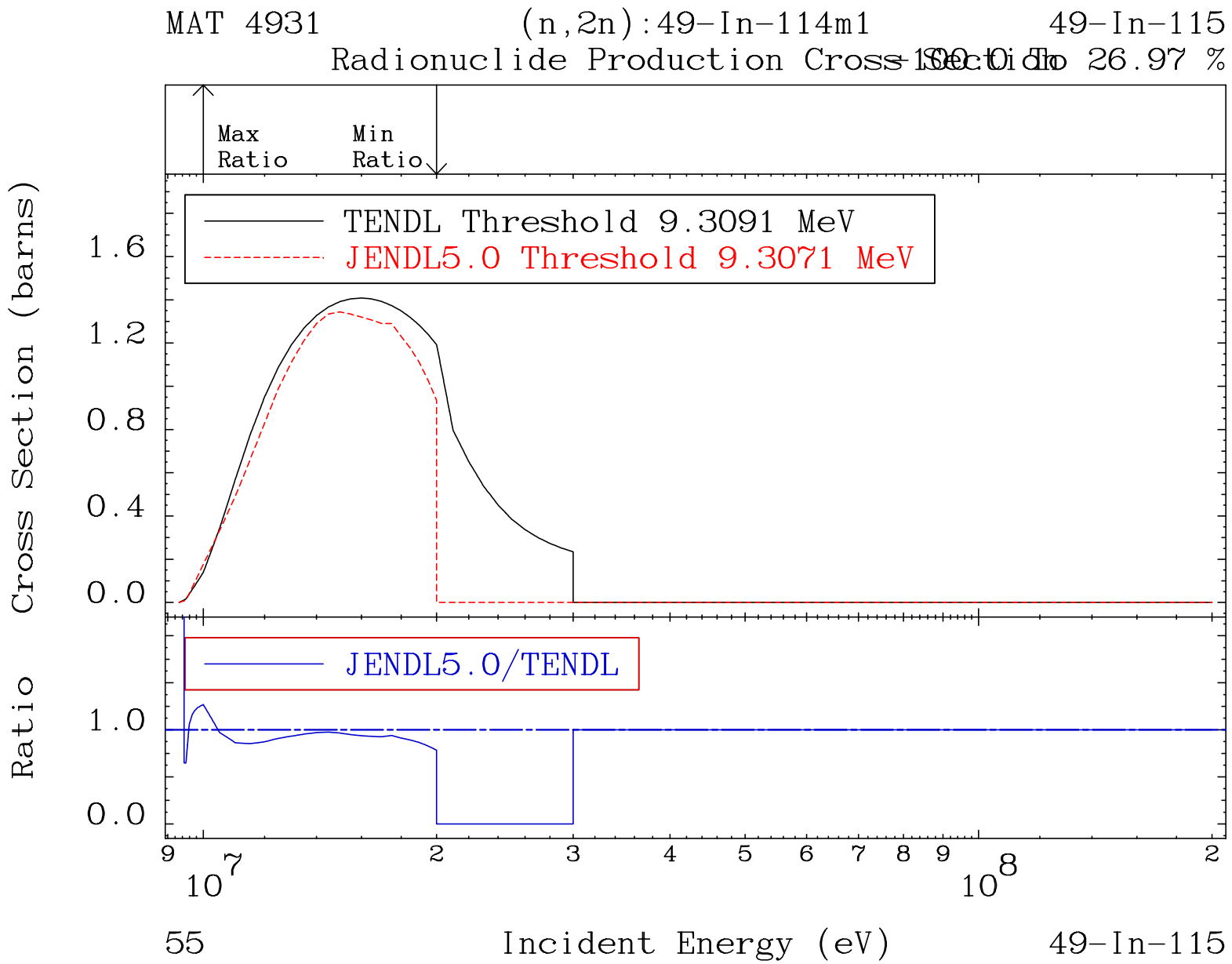

MAT 4931
Dpa elastic (mt2)
Cross Section
49-In-115
-99.28 To 2726. %
Max
Ratio
TENDL Threshold 672.76 eV
JENDL5.0 Threshold 700.07 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
50
49-In-115

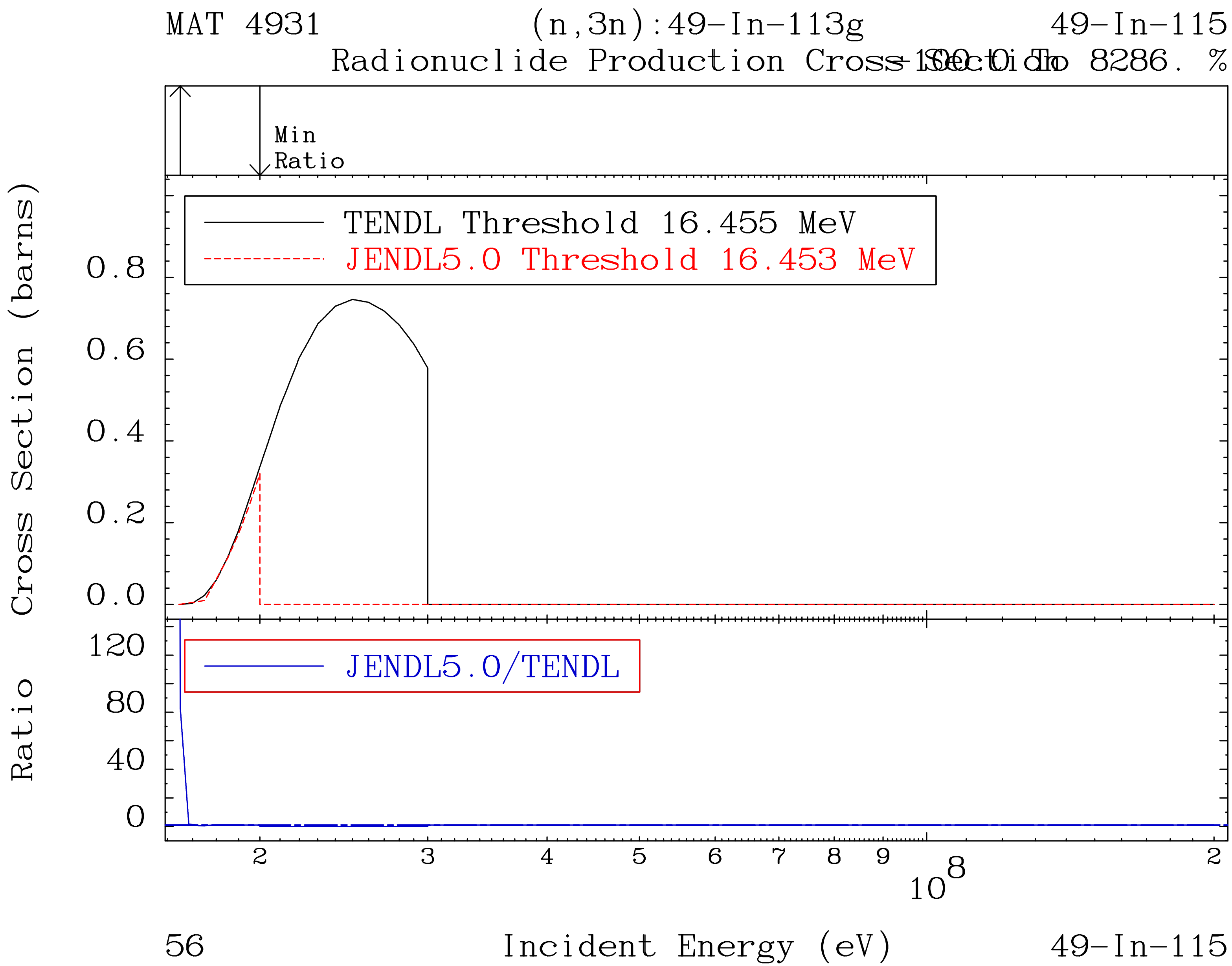

MAT 4931
Dpa inelastic (mt51-91)
49-In-115
Cross Section
-100.0 To 490.5 %
Max Ratio
Min Ratio
TENDL Threshold 340.00 keV
JENDL5.0 Threshold 339.19 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
51
Incident Energy (eV)
49-In-115

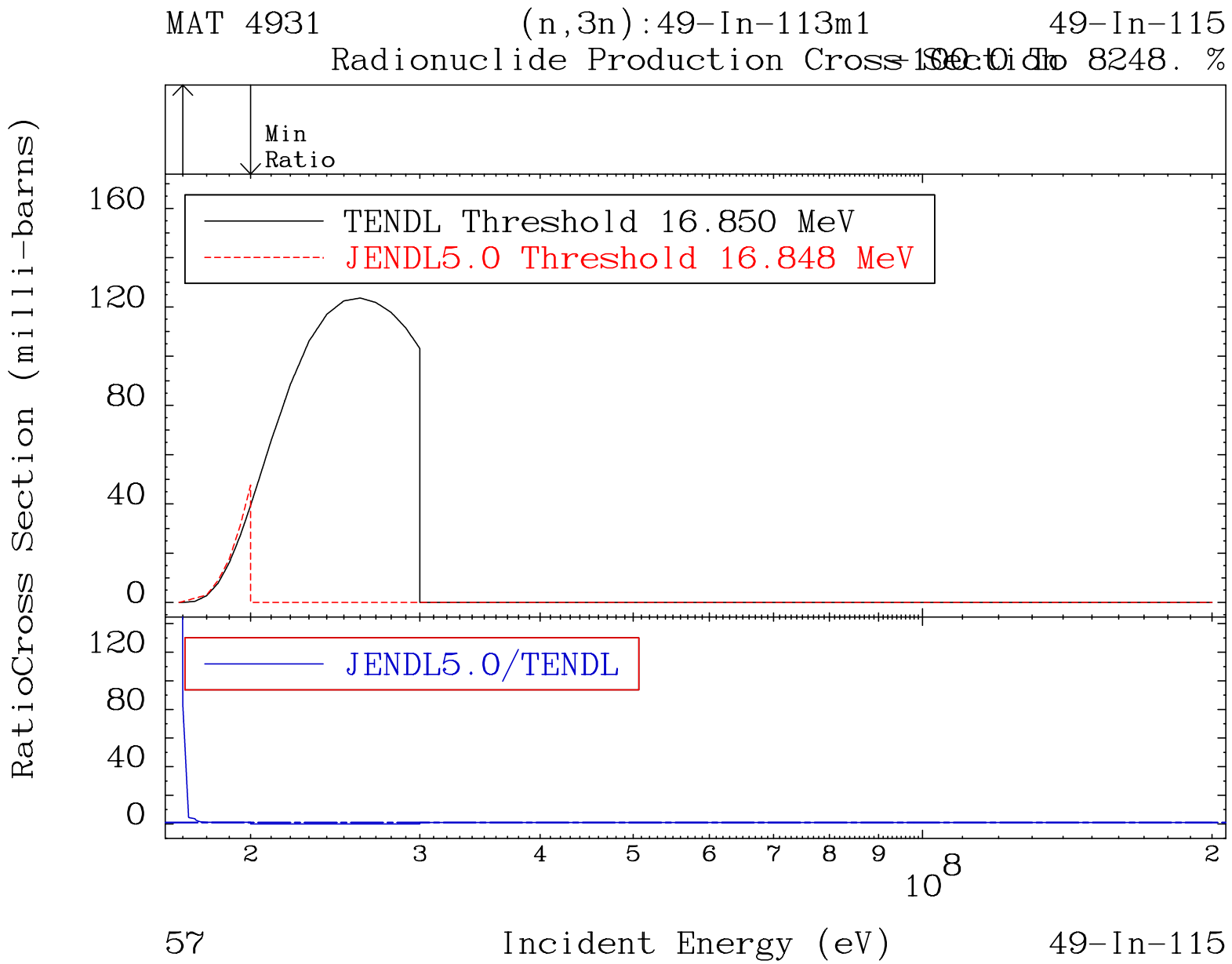

MAT 4931 Dpa disappearance (mt102 -120) 49-In-115
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
52
49-In-115

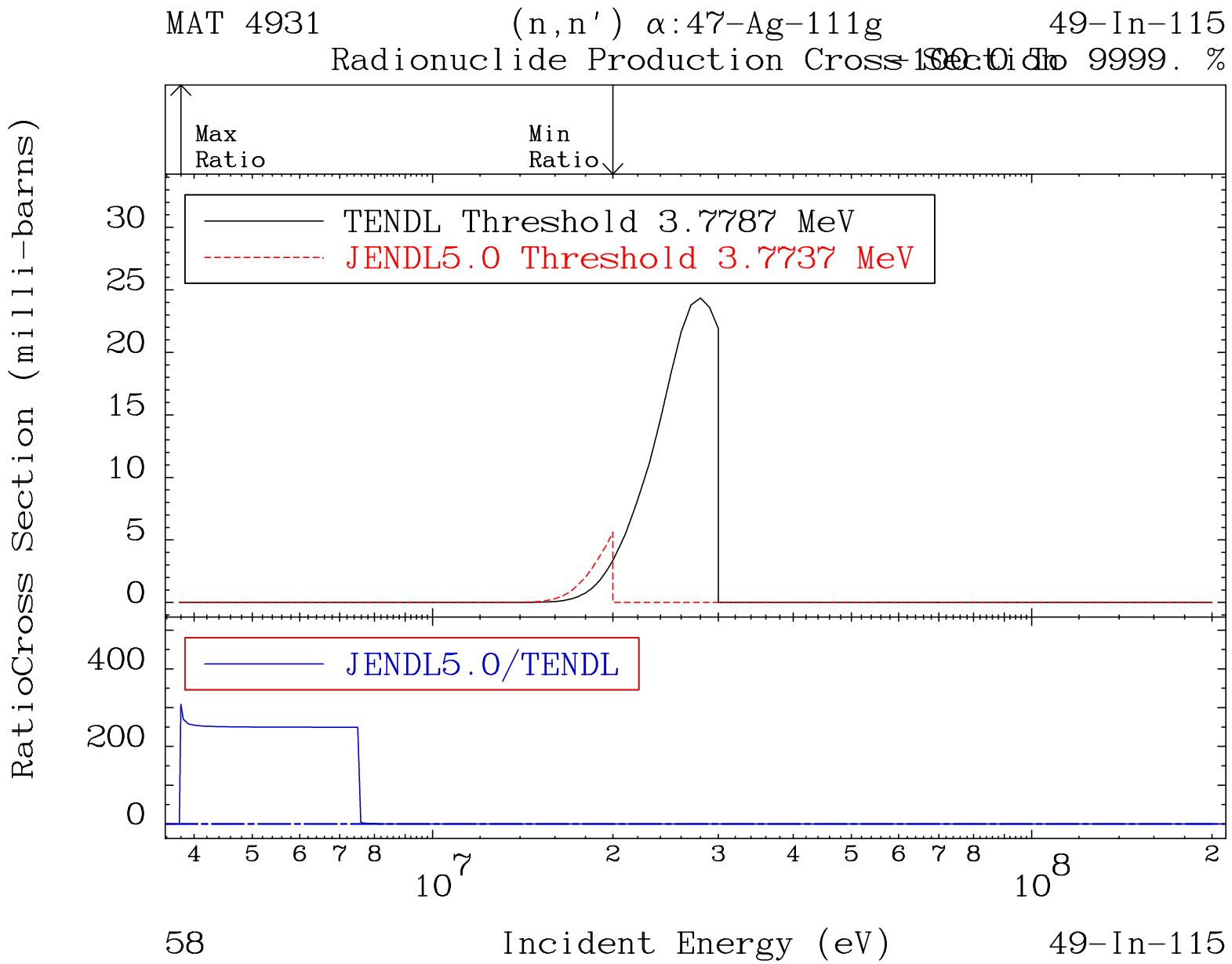

MAT 4931
Inelastic:49-In-115m1
49-In-115
Radionuclide Production Cross Section To 5.701 %
Max Ratio
Min Ratio
TENDL Threshold 339.20 keV
JENDL5.0 Threshold 339.20 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.2
0.6
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
53
Incident Energy (eV)
49-In-115

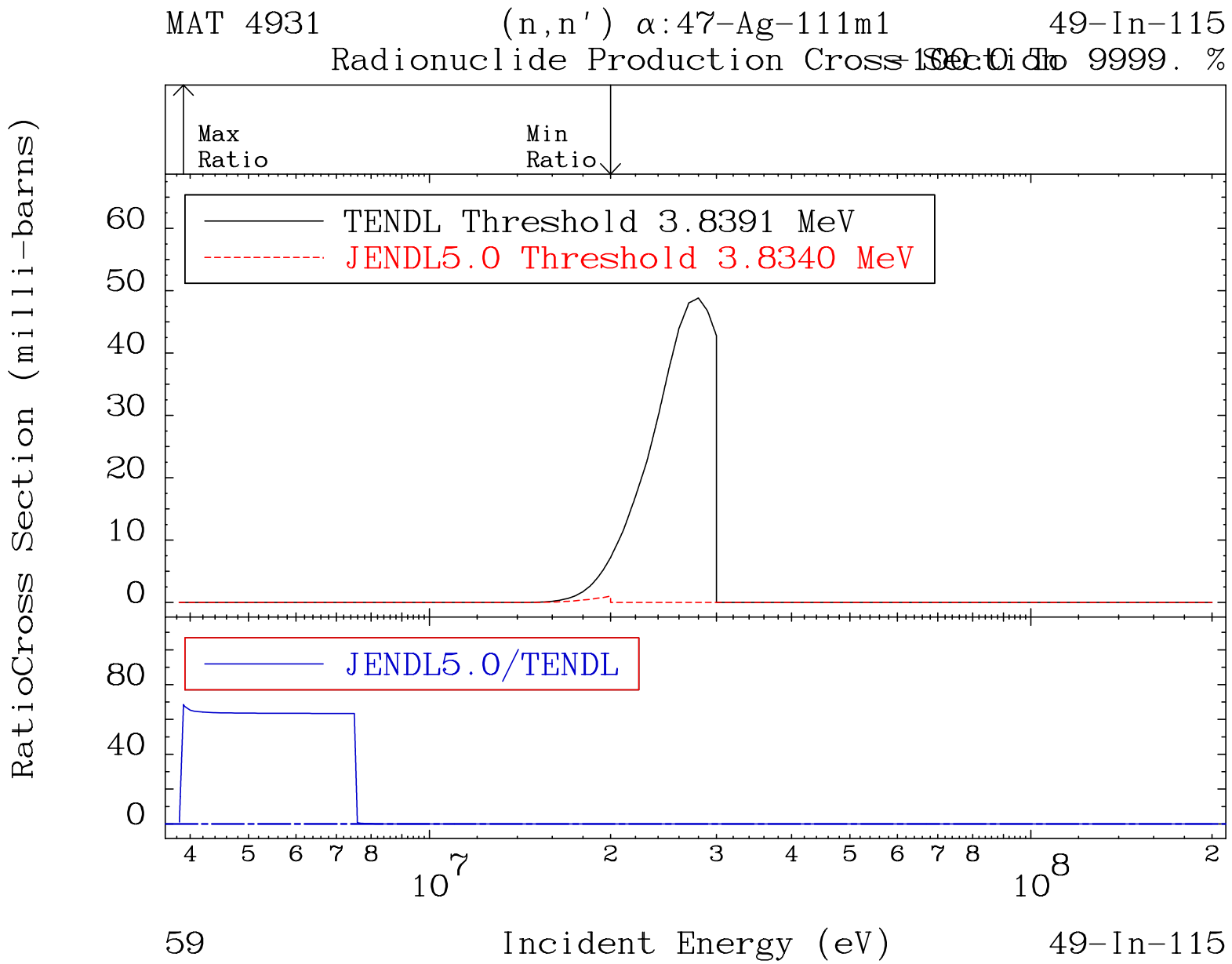

MAT 4931
(n,2n):49-In-114g
49-In-115
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 9.1172 MeV
JENDL5.0 Threshold 9.1151 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
54
Incident Energy (eV)
49-In-115

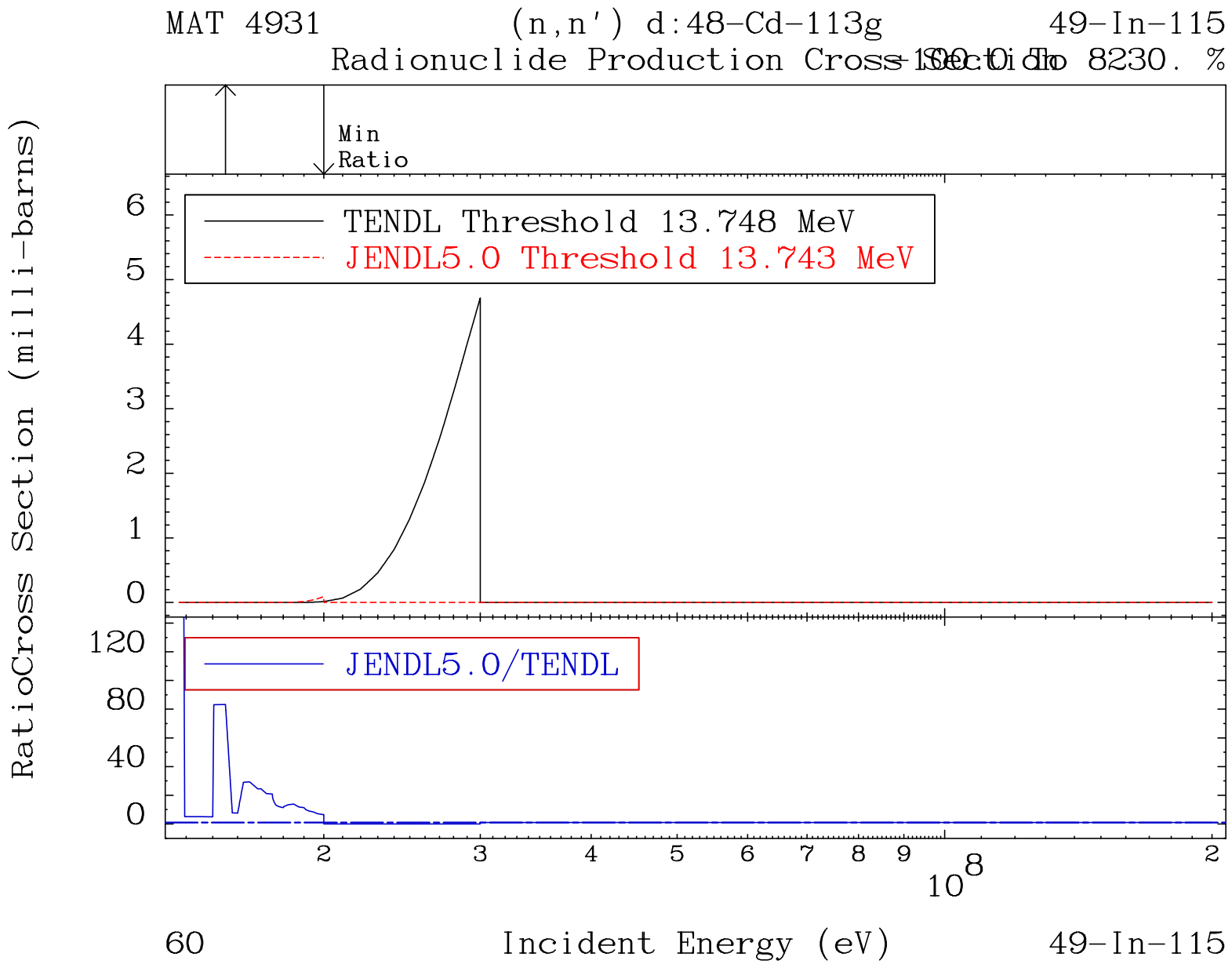

MAT 4931
(n,2n):49-In-114m1
49-In-115
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 9.3091 MeV
JENDL5.0 Threshold 9.3071 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
55
Incident Energy (eV)
49-In-115

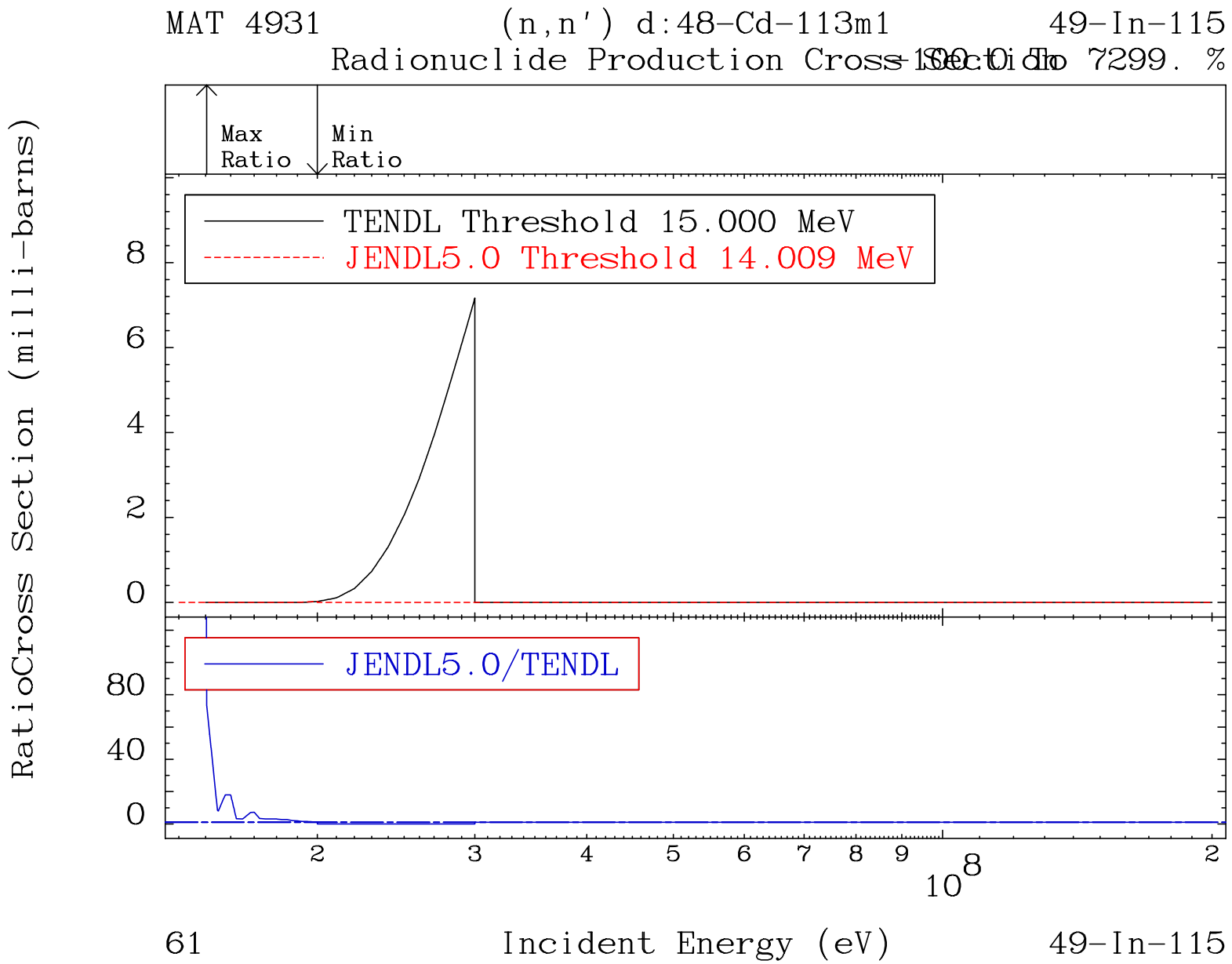

MAT 4931
(n,3n):49-In-113g
49-In-115
Radionuclide Production Cross Section
-100.0 To 8286. %
Min
Ratio
TENDL Threshold 16.455 MeV
JENDL5.0 Threshold 16.453 MeV
0.8
0.6
0.4
0.2
0.0
Cross Section (barns)
JENDL5.0/TENDL
120
80
40
0
Ratio
2
3
4
5
6
7
8
9
10^8
2
56
Incident Energy (eV)
49-In-115

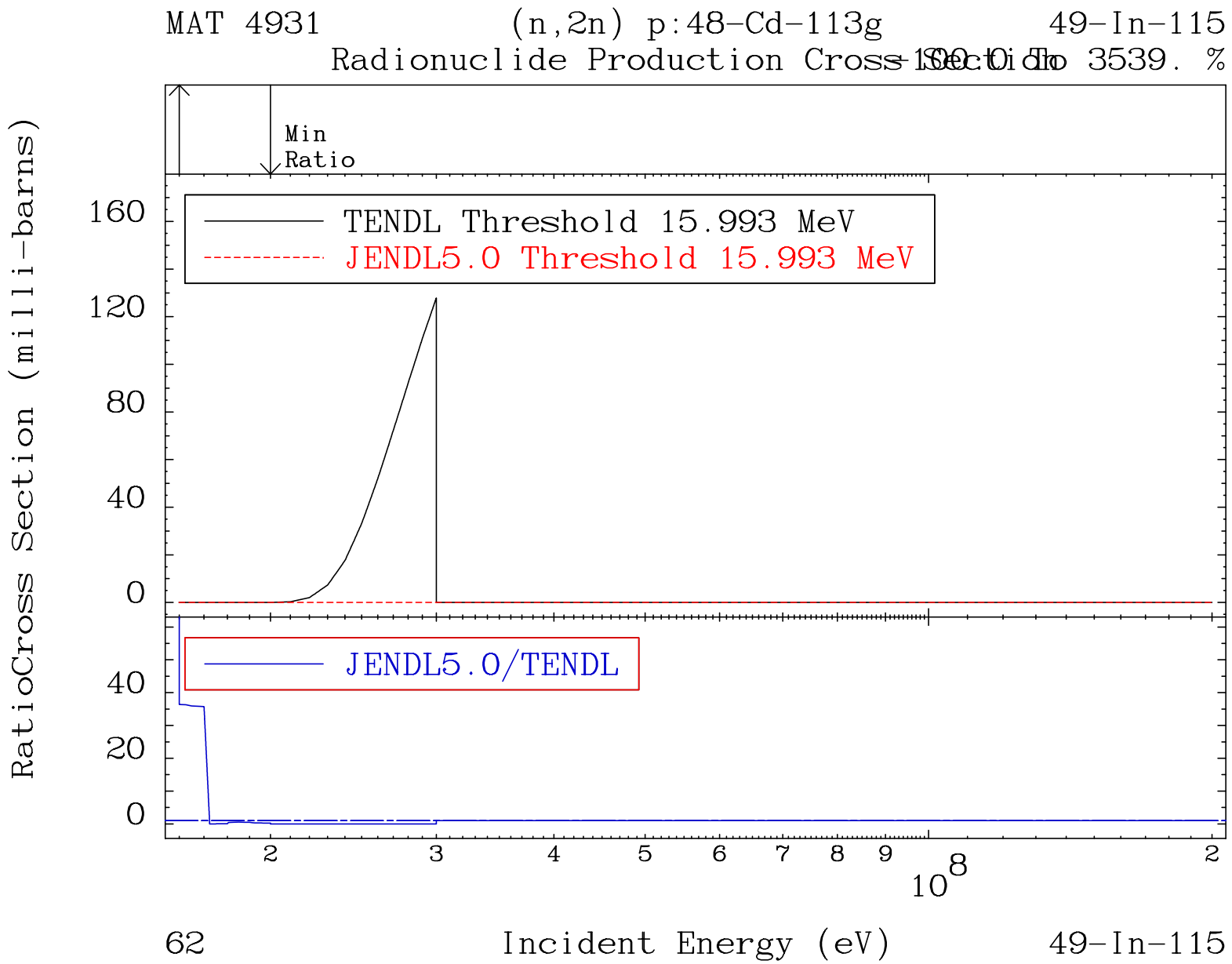

MAT 4931
(n,3n):49-In-113m1
49-In-115
Radionuclide Production Cross Section
Max Ratio 8248. %
Min
Ratio
TENDL Threshold 16.850 MeV
JENDL5.0 Threshold 16.848 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
120
80
40
0
2
3
4
5
6
7
8
9
2
10^8
57
Incident Energy (eV)
49-In-115

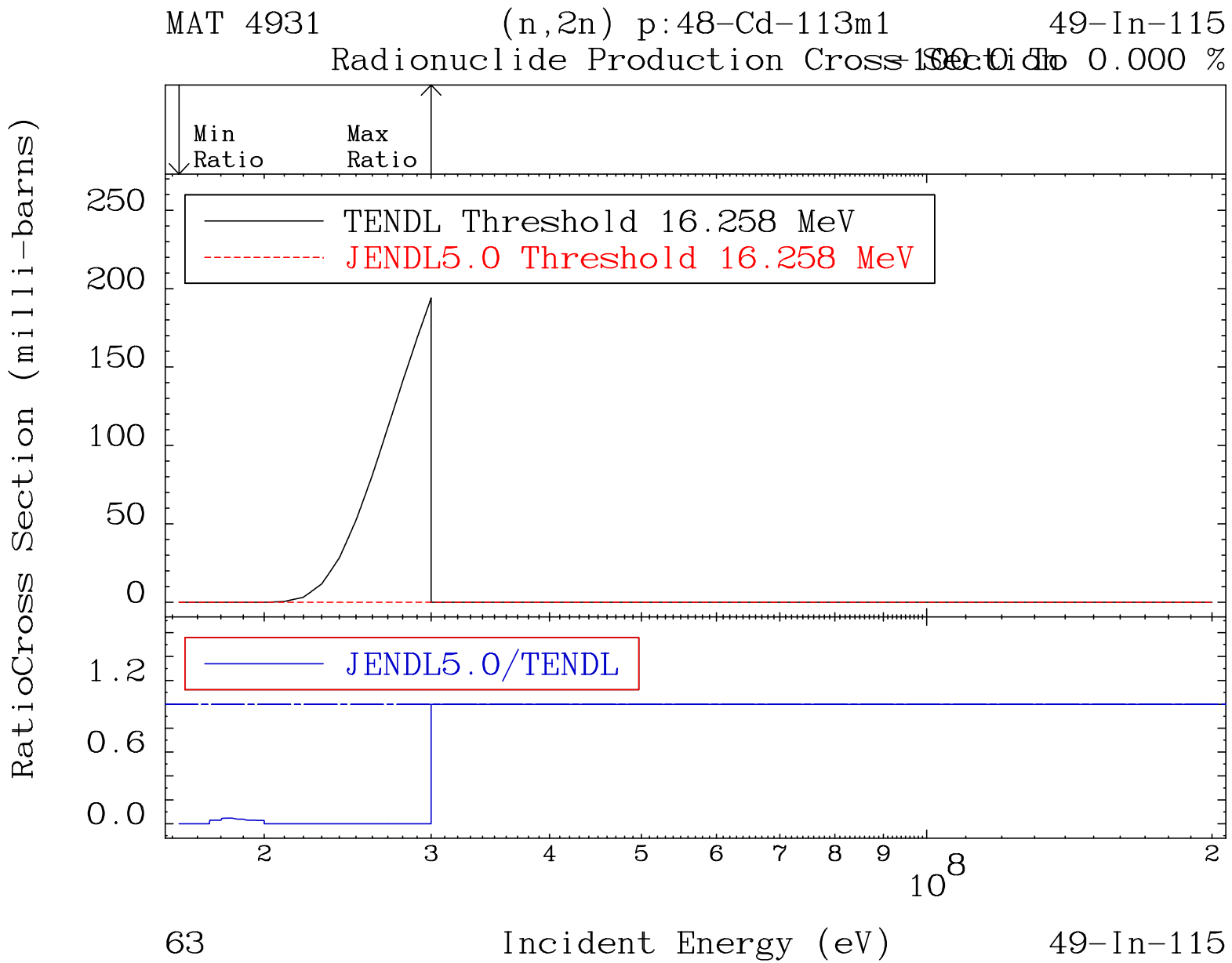

MAT 4931
(n,n') α:47-Ag-111g
49-In-115
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.7787 MeV
JENDL5.0 Threshold 3.7737 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
400
200
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
58
Incident Energy (eV)
49-In-115

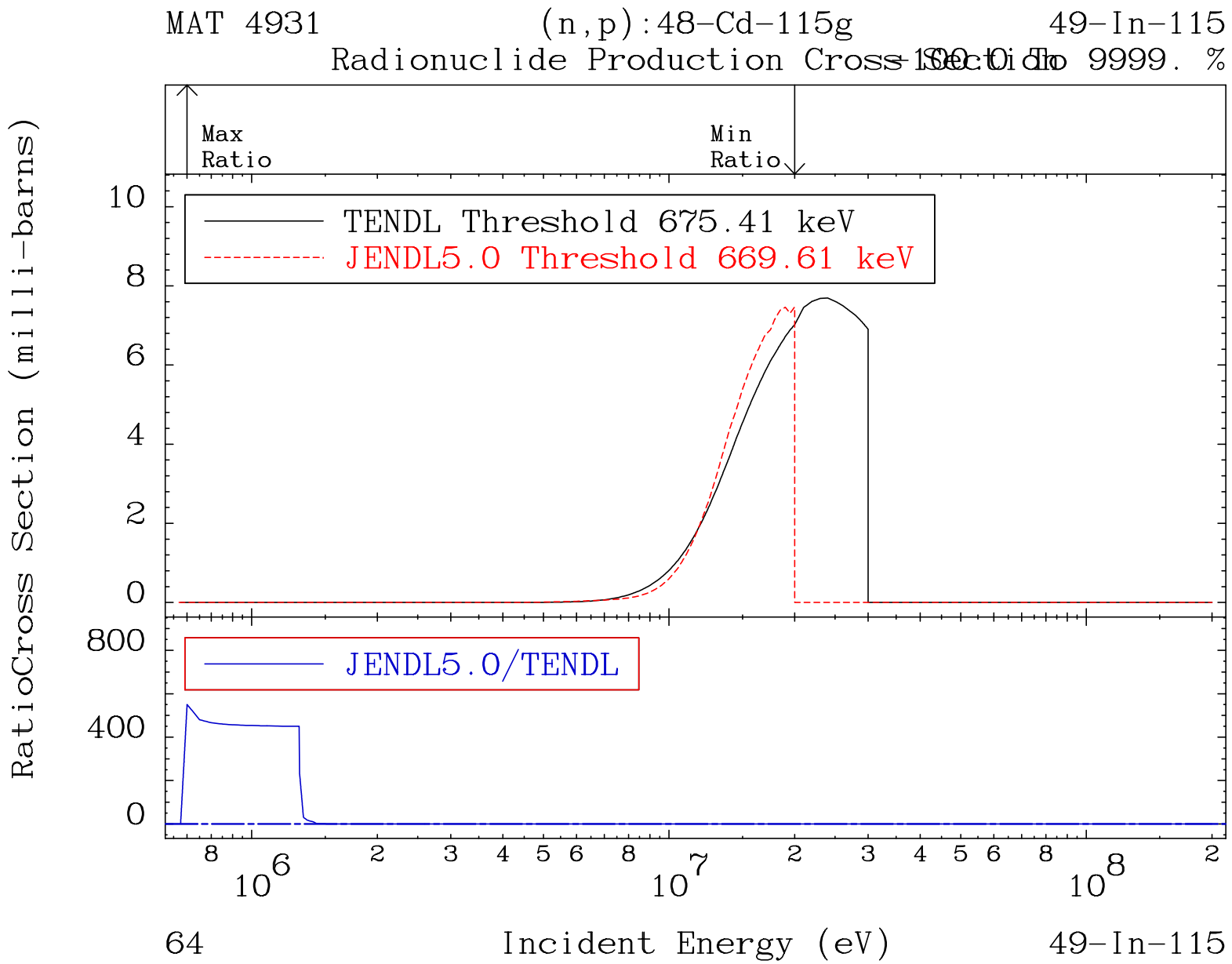

MAT 4931
(n,n') α:47-Ag-111m1
49-In-115
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 3.8391 MeV
JENDL5.0 Threshold 3.8340 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
80
40
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
59
Incident Energy (eV)
49-In-115

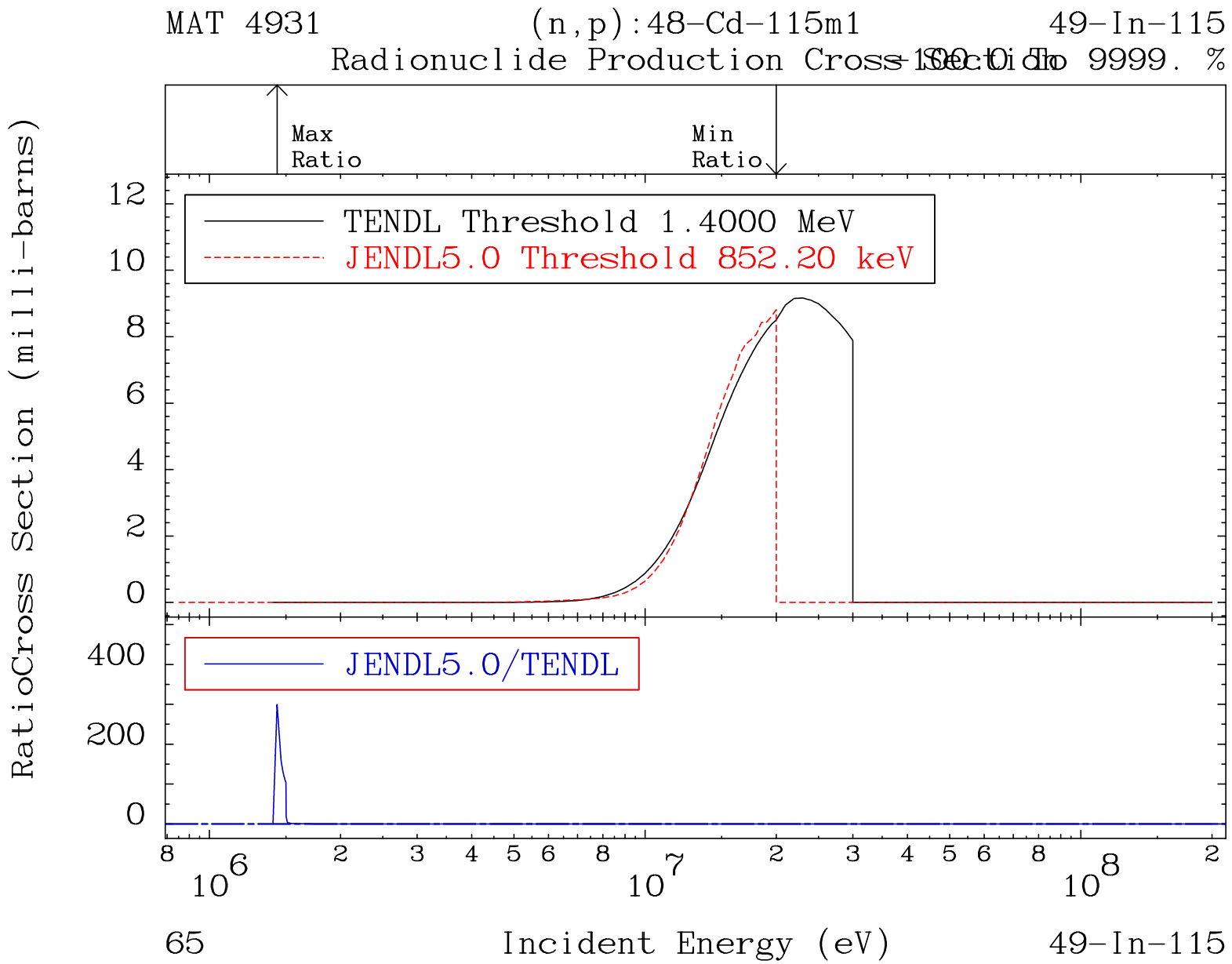

MAT 4931
(n,n') d:48-Cd-113g
49-In-115
Radionuclide Production Cross Section To 8230. %
Min
Ratio
TENDL Threshold 13.748 MeV
JENDL5.0 Threshold 13.743 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
60
49-In-115


MAT 4931
(n,n') d:48-Cd-113m1
49-In-115
Radionuclide Production Cross Section To
Max Ratio
Min Ratio
TENDL Threshold 15.000 MeV
JENDL5.0 Threshold 14.009 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
61
49-In-115


MAT 4931
(n,2n) p:48-Cd-113g
49-In-115
Radionuclide Production Cross Section To 3539. %
Min
Ratio
TENDL Threshold 15.993 MeV
JENDL5.0 Threshold 15.993 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
40
20
0
2
3
4
5
6
7
8
9
2
10^8
62
Incident Energy (eV)
49-In-115


MAT 4931
(n,2n) p:48-Cd-113m1
49-In-115
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 16.258 MeV
JENDL5.0 Threshold 16.258 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
2
10^8
63
Incident Energy (eV)
49-In-115


MAT 4931
(n,p):48-Cd-115g
49-In-115
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 675.41 keV
JENDL5.0 Threshold 669.61 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
64
49-In-115


MAT 4931
(n,p):48-Cd-115m1
49-In-115
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.4000 MeV
JENDL5.0 Threshold 852.20 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
65
49-In-115