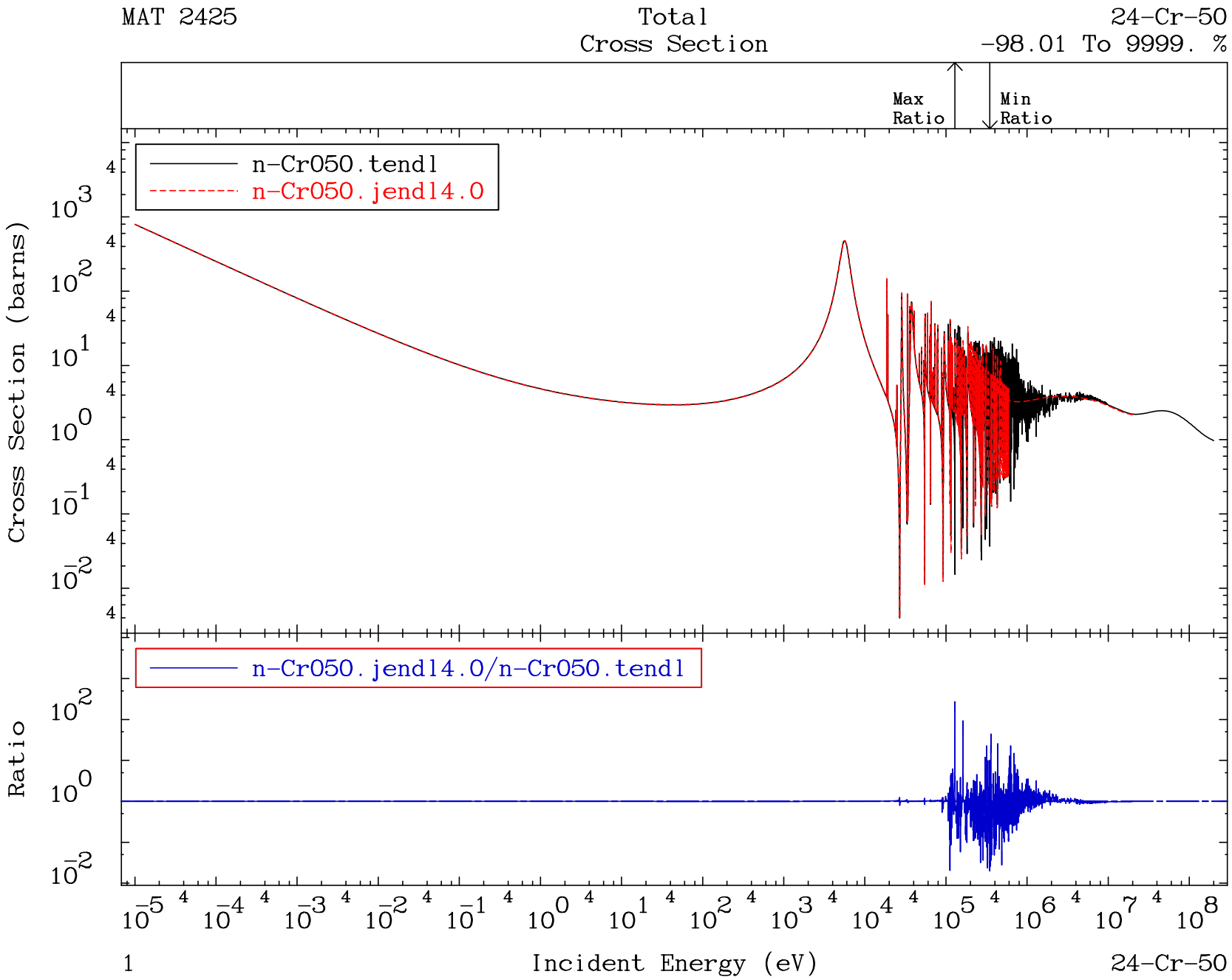
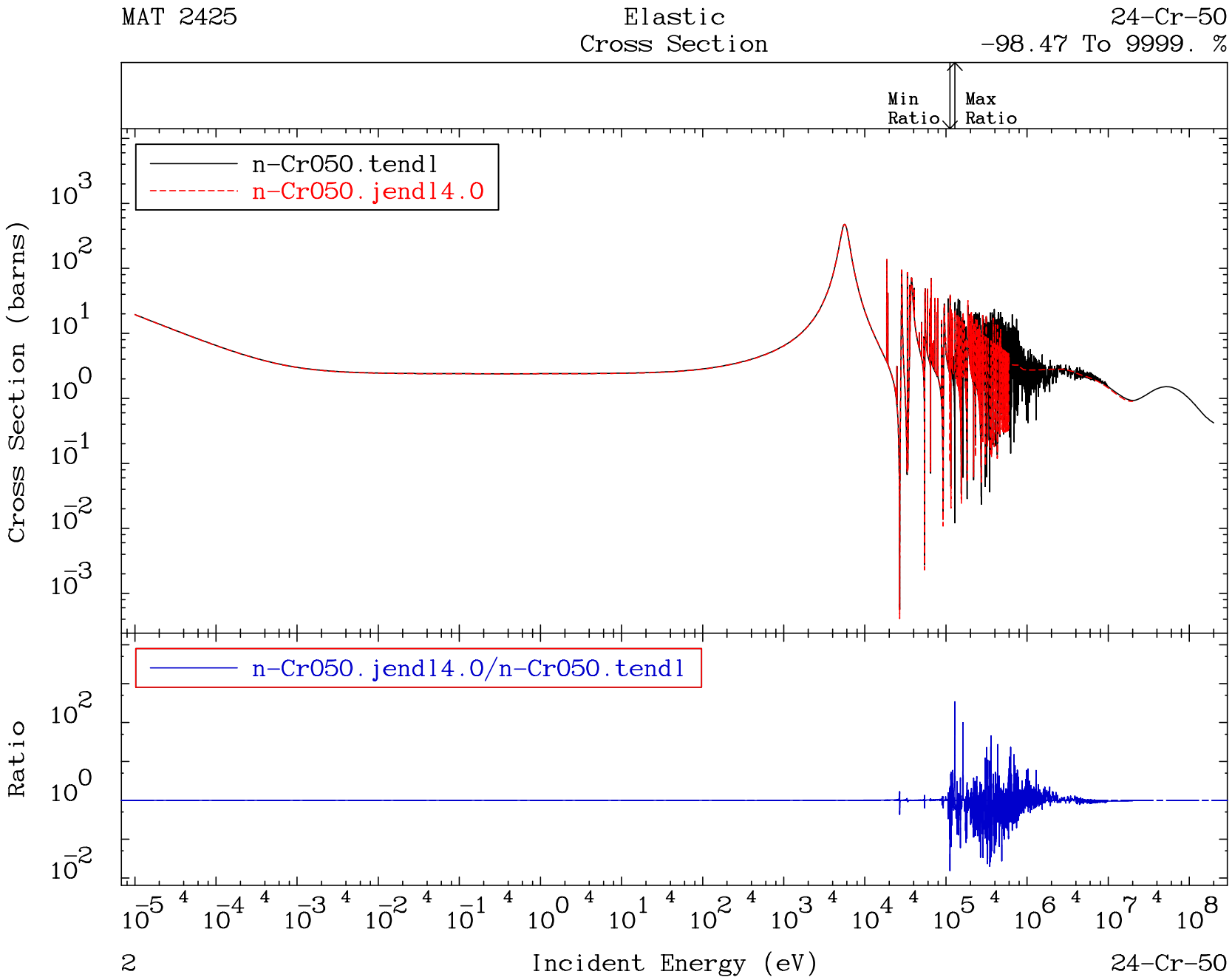
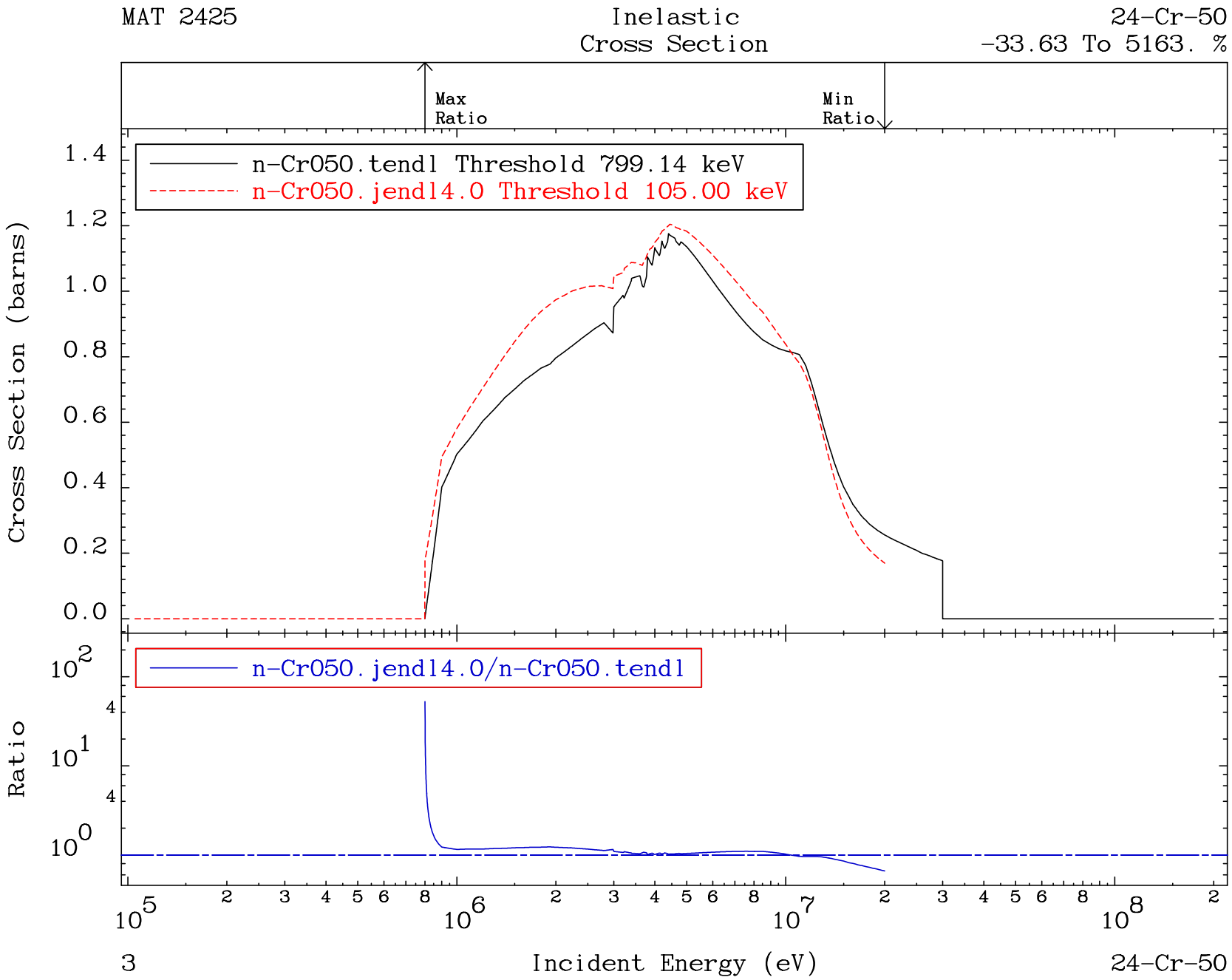
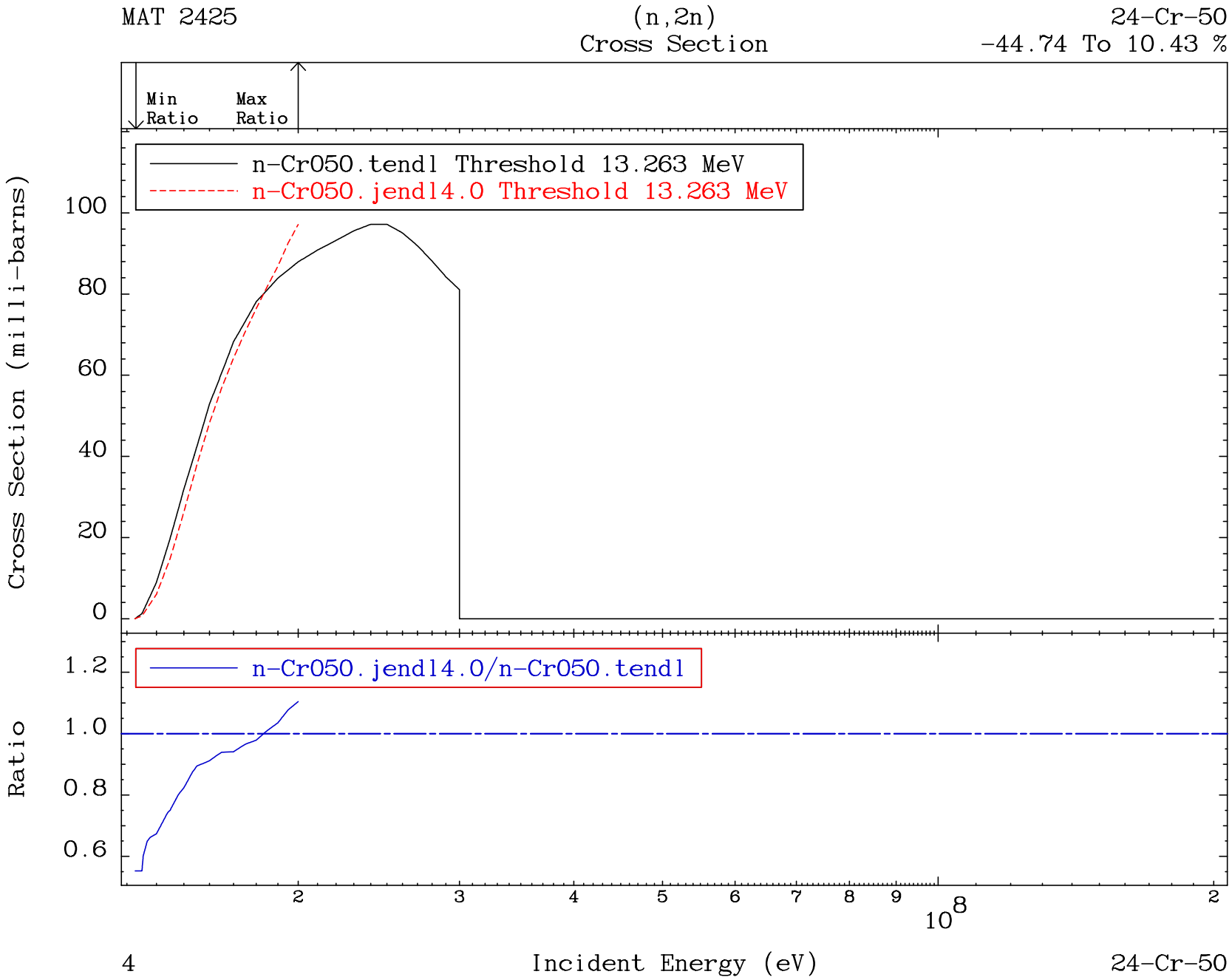
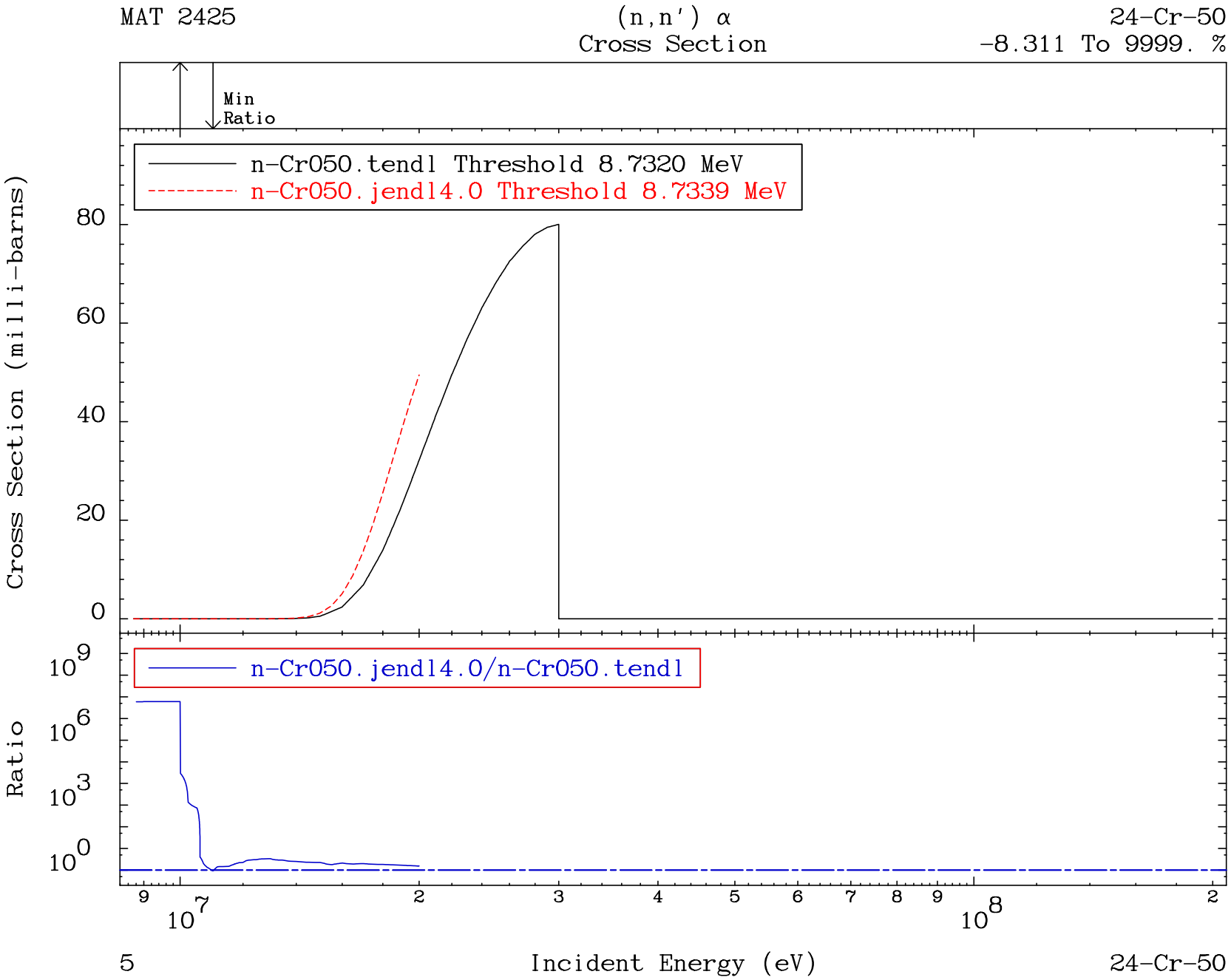
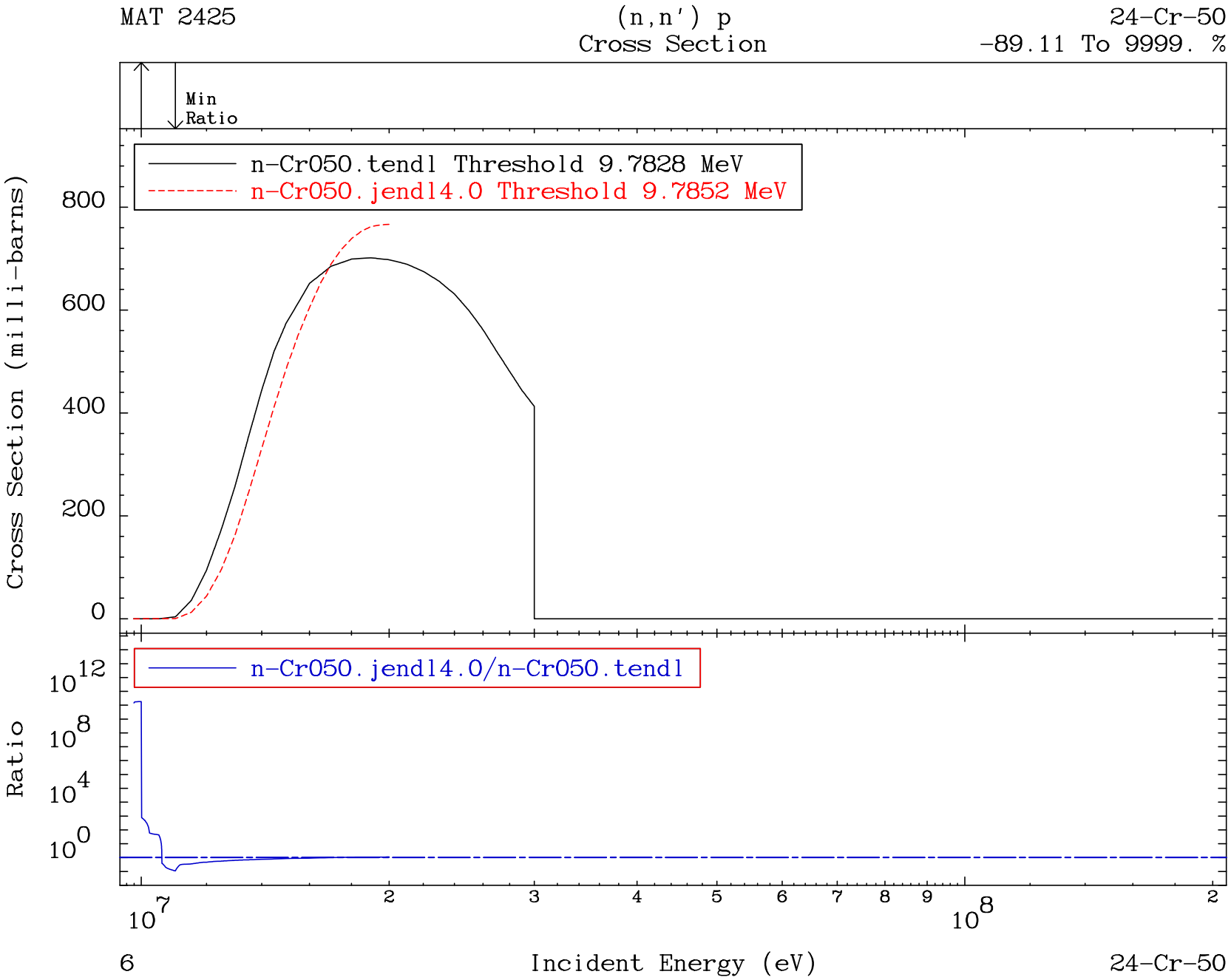

MAT 2425
Total
Cross Section
24-Cr-50
-98.01 To 9999. %
Max Ratio
Min Ratio
n-Cr050.tendl
n-Cr050.jendl4.0
Cross Section (barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
Incident Energy (eV)
1
24-Cr-50

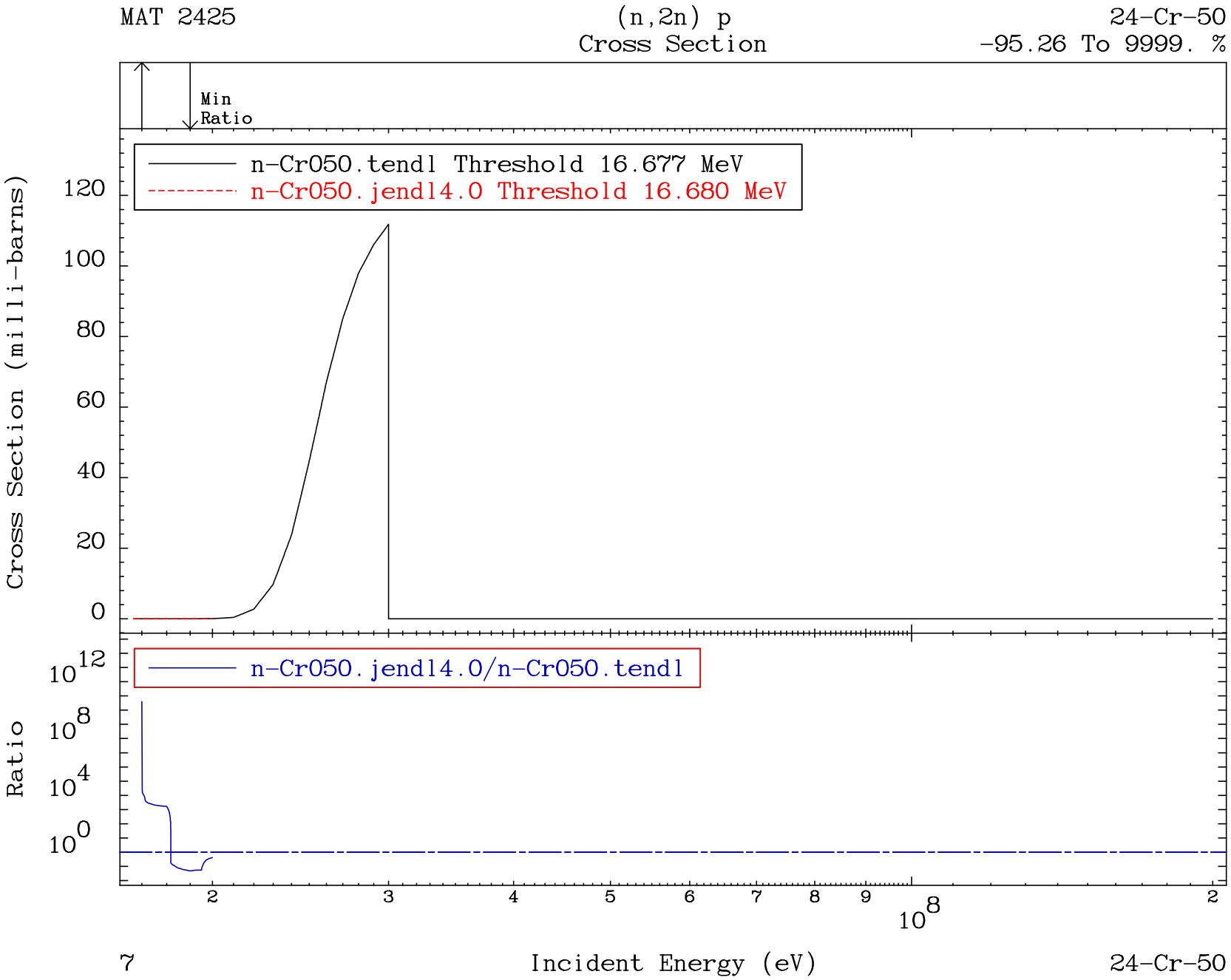

MAT 2425
Elastic
Cross Section
24-Cr-50
-98.47 To 9999. %
Min Ratio
Max Ratio
n-Cr050.tendl
n-Cr050.jendl4.0
Cross Section (barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
Incident Energy (eV)
2
24-Cr-50

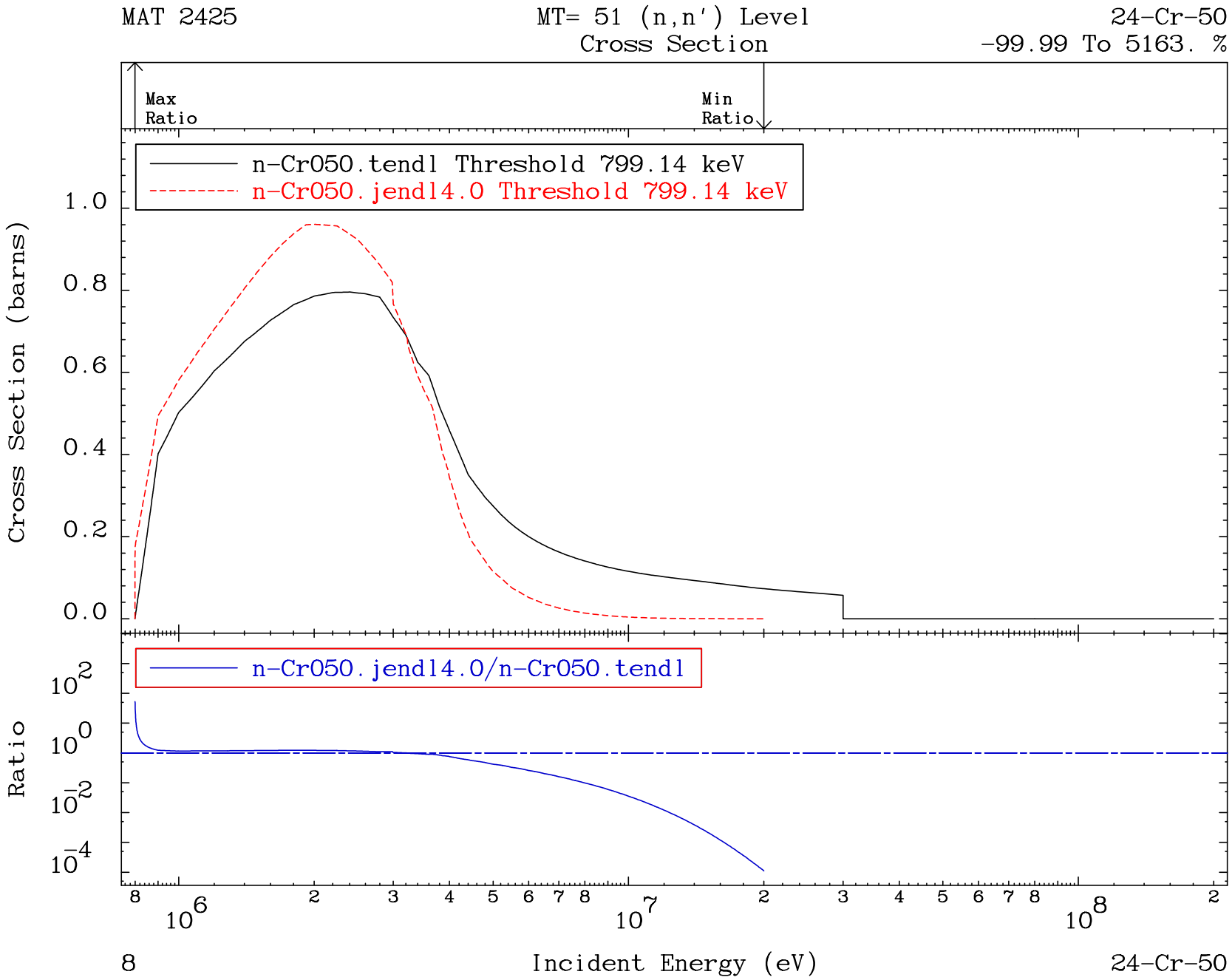

MAT 2425
Inelastic
Cross Section
24-Cr-50
-33.63 To 5163. %
Max
Ratio
Min
Ratio
n-Cr050.tendl Threshold 799.14 keV
n-Cr050.jendl4.0 Threshold 105.00 keV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^2
10^1
10^0
10^5
10^6
10^7
10^8
Incident Energy (eV)
3
24-Cr-50

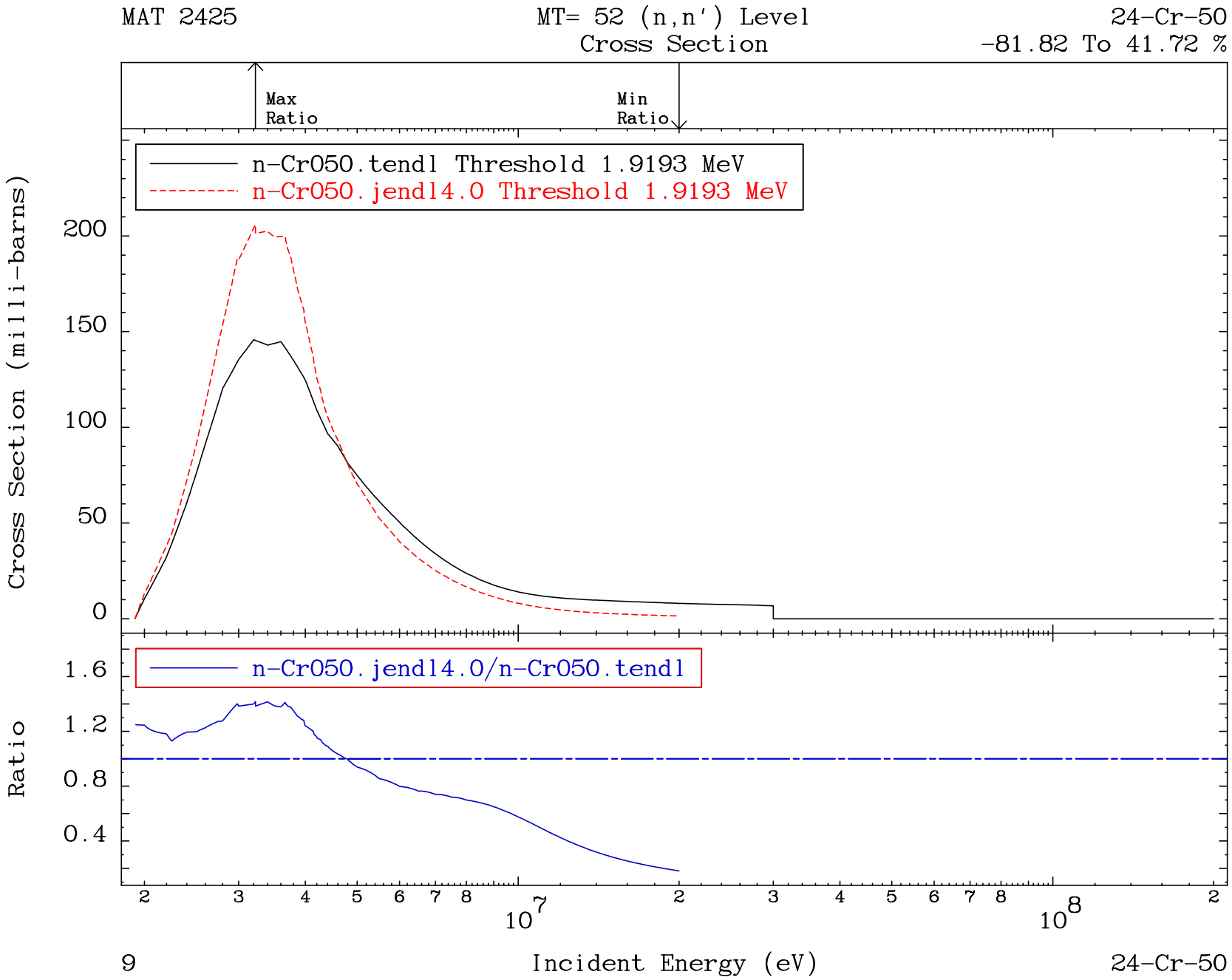

MAT 2425
(n,2n)
Cross Section
24-Cr-50
-44.74 To 10.43 %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 13.263 MeV
n-Cr050.jendl4.0 Threshold 13.263 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
1.2
1.0
0.8
0.6
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
24-Cr-50

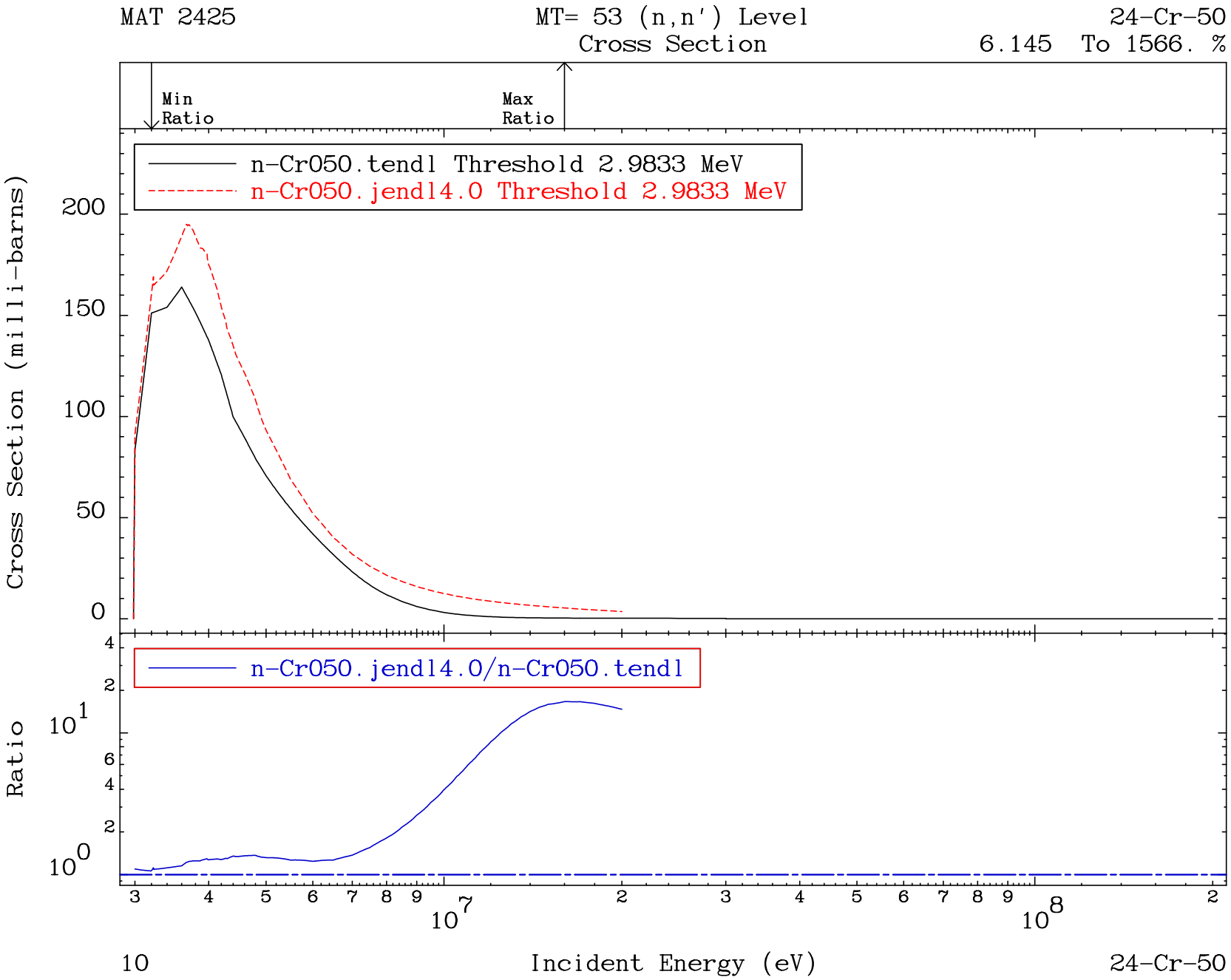

MAT 2425
(n,n') α
Cross Section
24-Cr-50
-8.311 To 9999. %
Min
Ratio
n-Cr050.tendl Threshold 8.7320 MeV
n-Cr050.jendl4.0 Threshold 8.7339 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^9
10^6
10^3
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
24-Cr-50

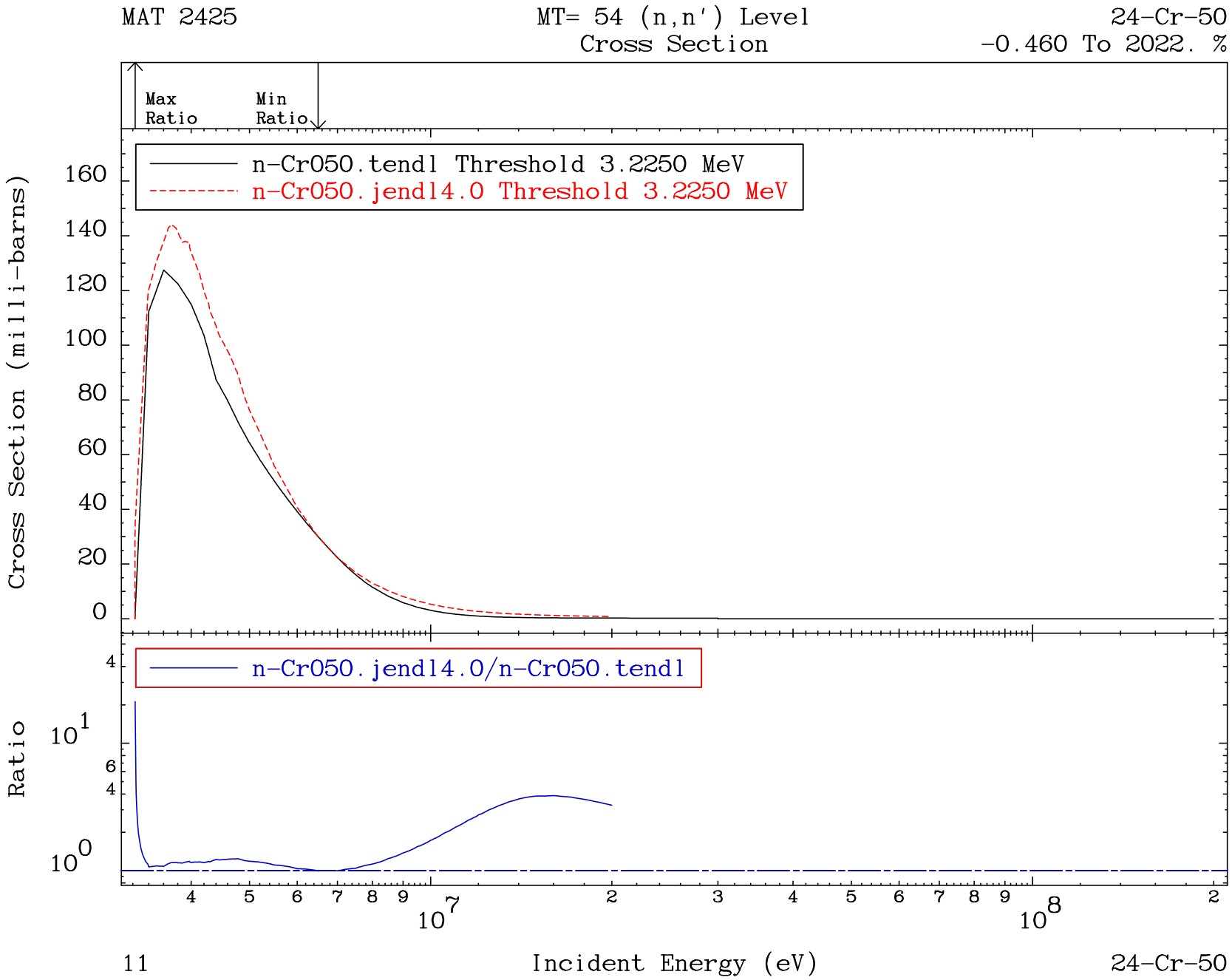

MAT 2425
(n,n') p
Cross Section
24-Cr-50
-89.11 To 9999. %
Min
Ratio
n-Cr050.tendl Threshold 9.7828 MeV
n-Cr050.jendl4.0 Threshold 9.7852 MeV
Cross Section (milli-barns)
800
600
400
200
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^12
10^8
10^4
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
24-Cr-50

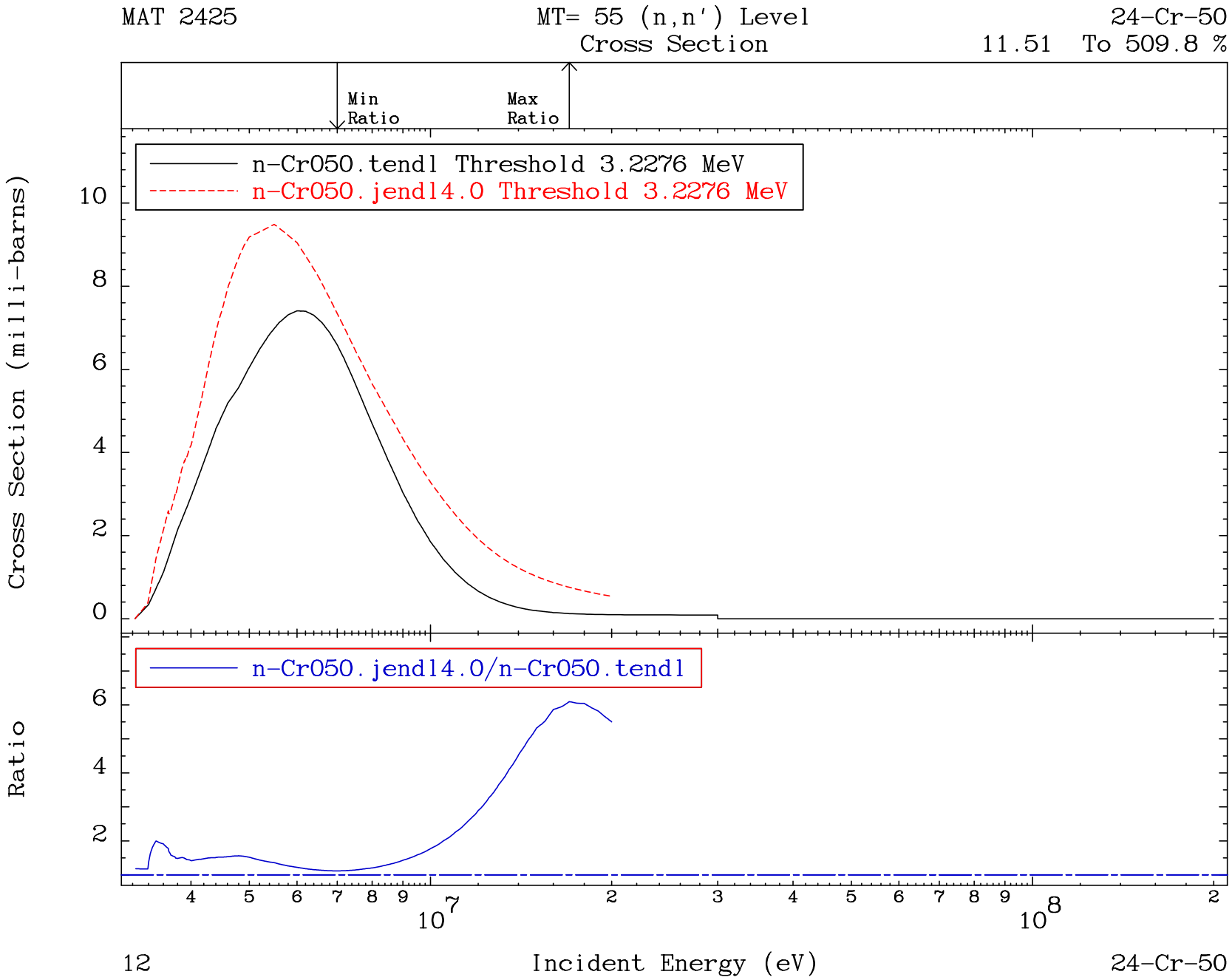

MAT 2425
(n,2n) p
Cross Section
24-Cr-50
-95.26 To 9999. %
Min
Ratio
n-Cr050.tendl Threshold 16.677 MeV
n-Cr050.jendl4.0 Threshold 16.680 MeV
Cross Section (milli-barns)
120
100
80
60
40
20
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^12
10^8
10^4
10^0
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
24-Cr-50

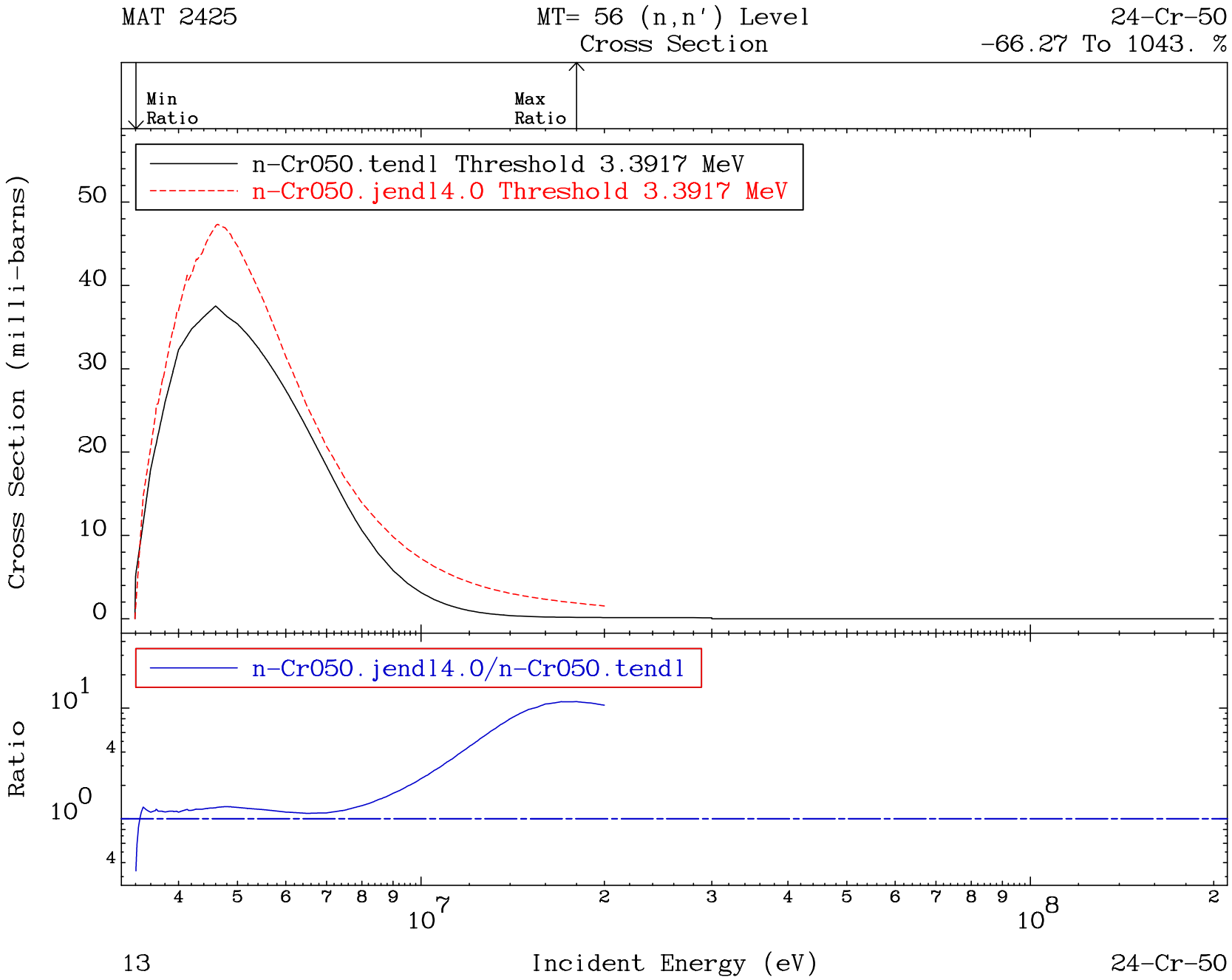

MAT 2425
MT= 51 (n,n') Level
Cross Section
24-Cr-50
-99.99 To 5163. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 799.14 keV
n-Cr050.jendl4.0 Threshold 799.14 keV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^2
10^0
10^-2
10^-4
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
8
Incident Energy (eV)
24-Cr-50

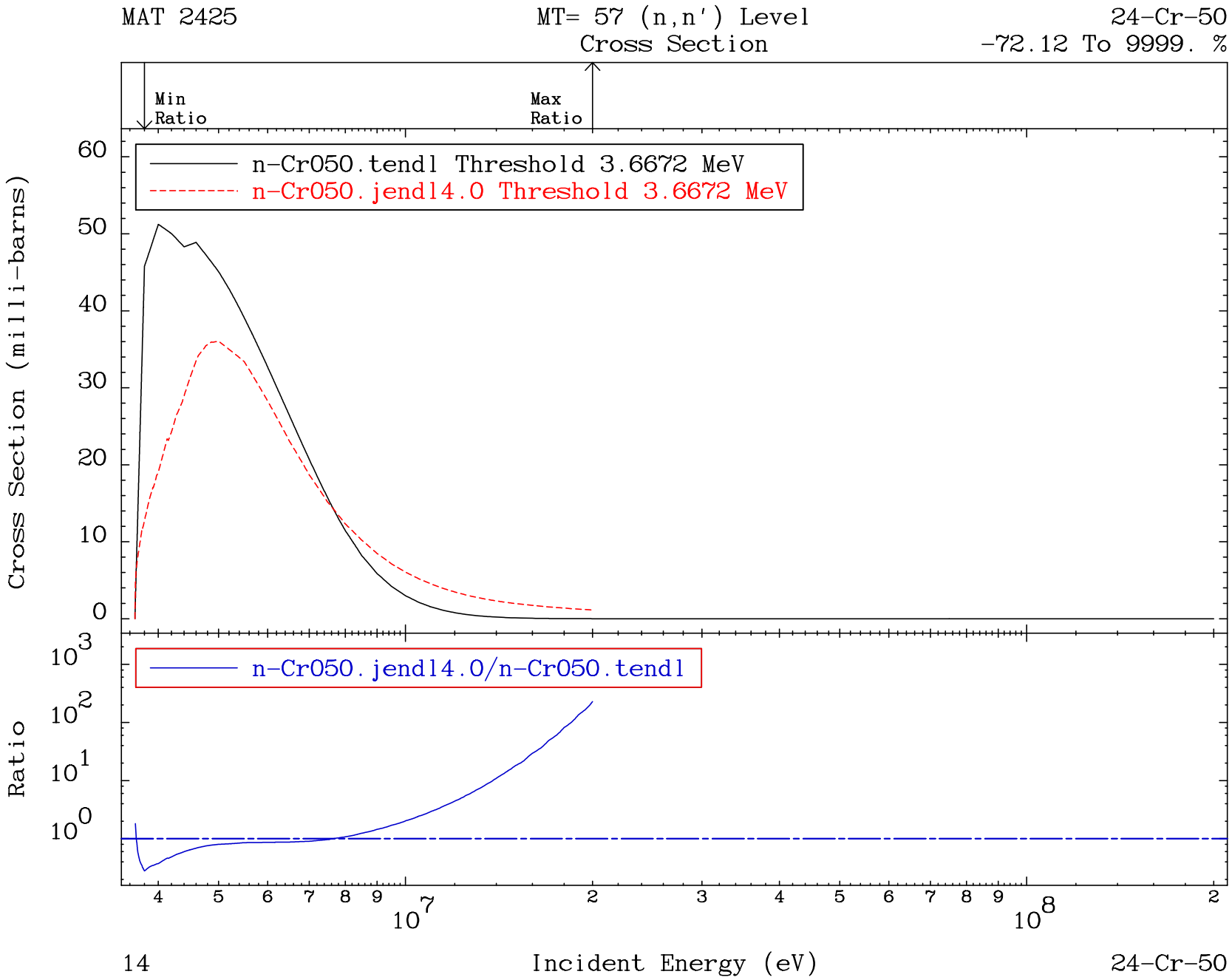

MAT 2425
MT= 52 (n,n') Level
Cross Section
24-Cr-50
-81.82 To 41.72 %
Max
Ratio
Min
Ratio
n-Cr050.tendl Threshold 1.9193 MeV
n-Cr050.jendl4.0 Threshold 1.9193 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
1.6
1.2
0.8
0.4
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
9
Incident Energy (eV)
24-Cr-50

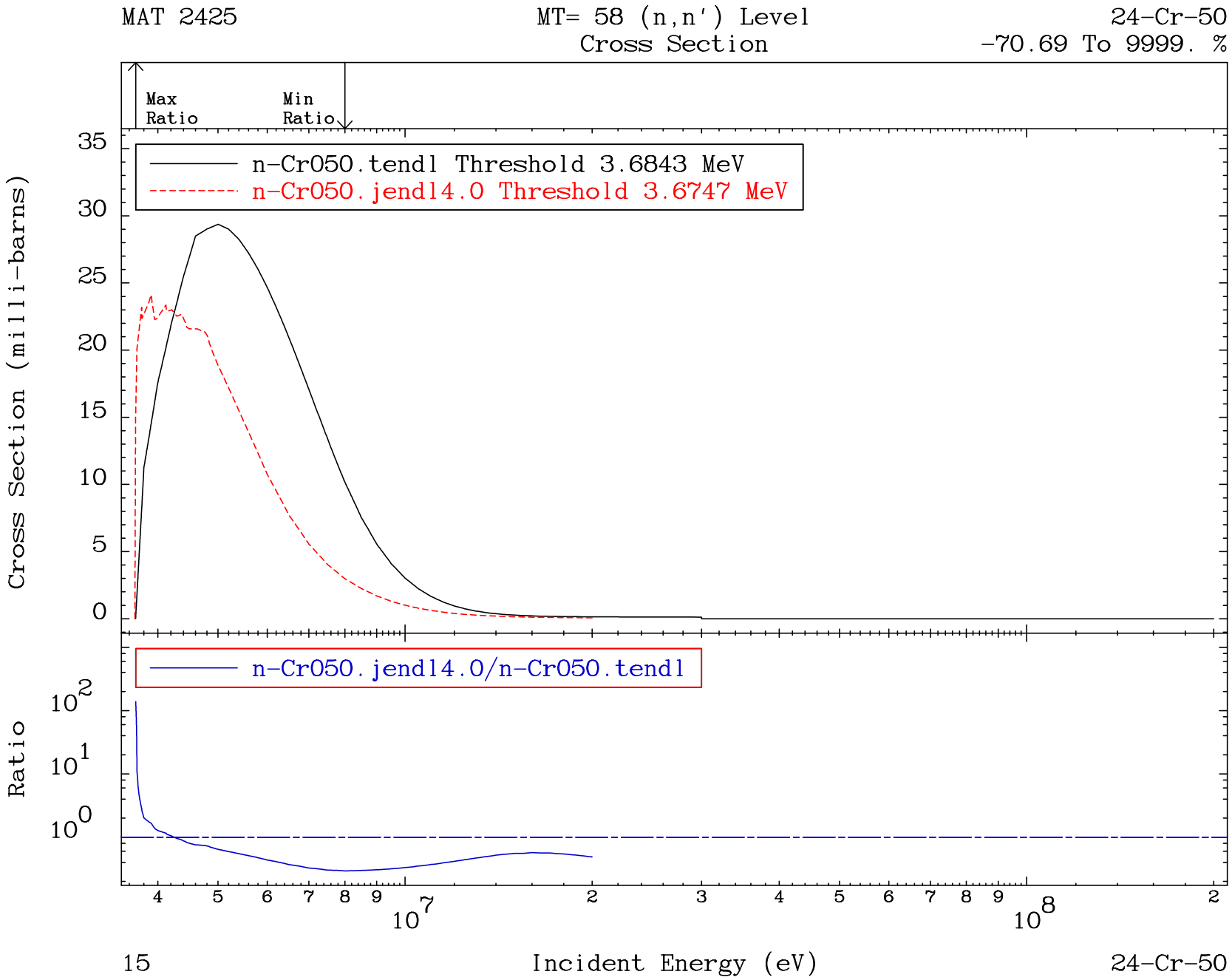

MAT 2425
MT= 53 (n,n') Level
Cross Section
24-Cr-50
6.145 To 1566. %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 2.9833 MeV
n-Cr050.jendl4.0 Threshold 2.9833 MeV
Cross Section (milli-barns)
200
150
100
50
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
4
2
10^1
6
4
2
10^0
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
10
Incident Energy (eV)
24-Cr-50

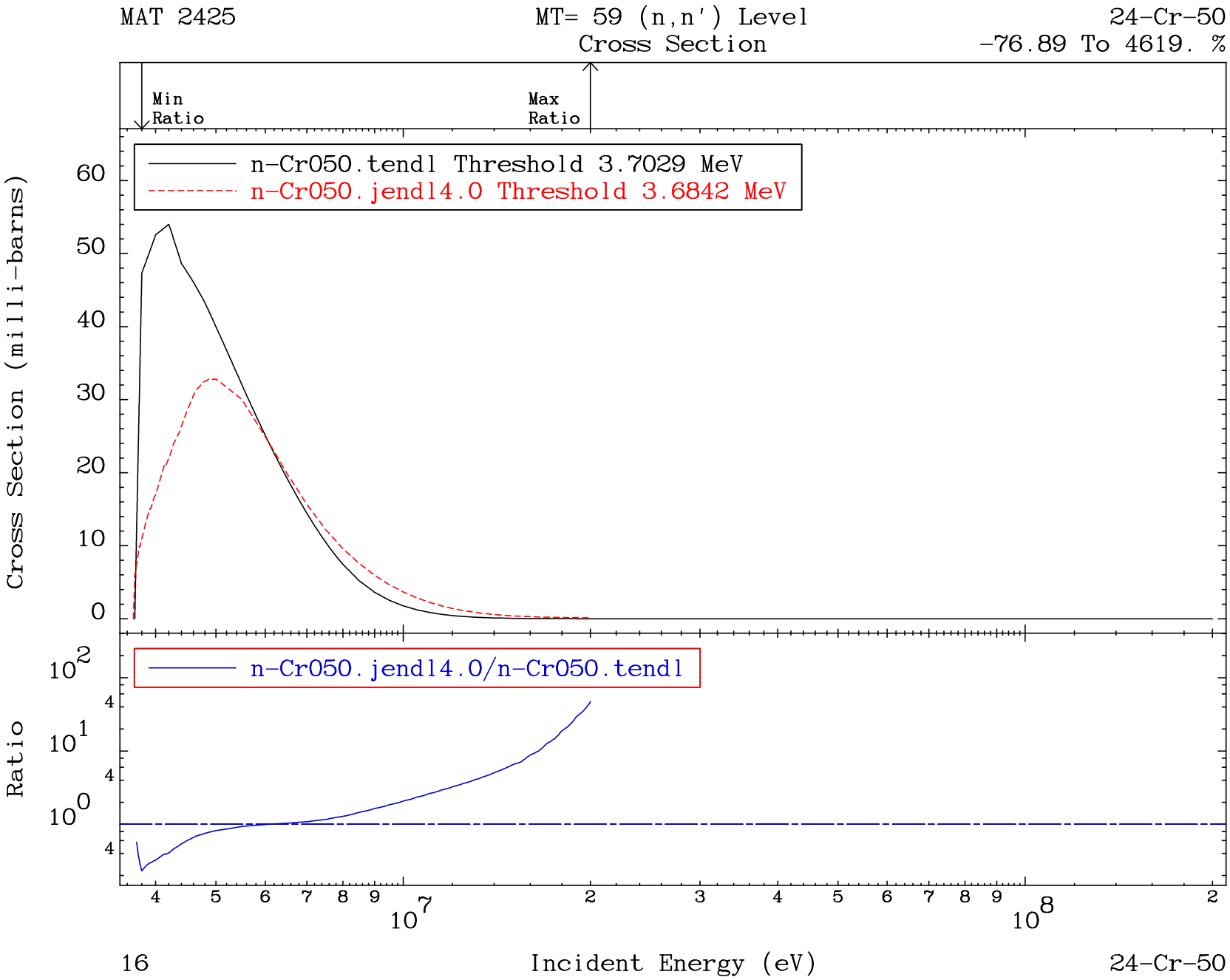

MAT 2425
MT= 54 (n,n') Level
Cross Section
24-Cr-50
-0.460 To 2022. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 3.2250 MeV
n-Cr050.jendl4.0 Threshold 3.2250 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
4
10^1
6
4
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
11
Incident Energy (eV)
24-Cr-50

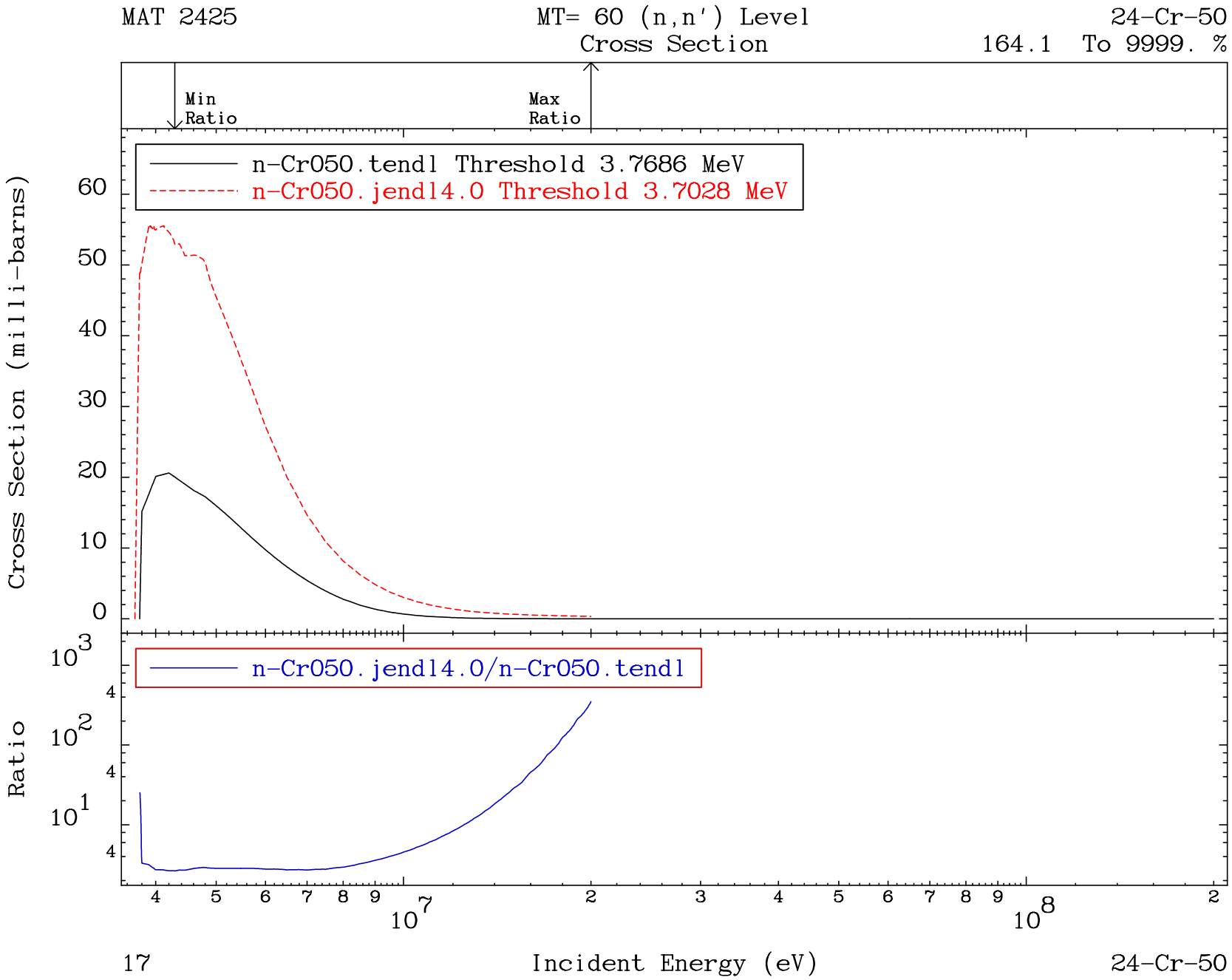

MAT 2425
MT= 55 (n,n') Level
Cross Section
24-Cr-50
11.51 To 509.8 %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 3.2276 MeV
n-Cr050.jendl4.0 Threshold 3.2276 MeV
Cross Section (milli-barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
Incident Energy (eV)
12
24-Cr-50

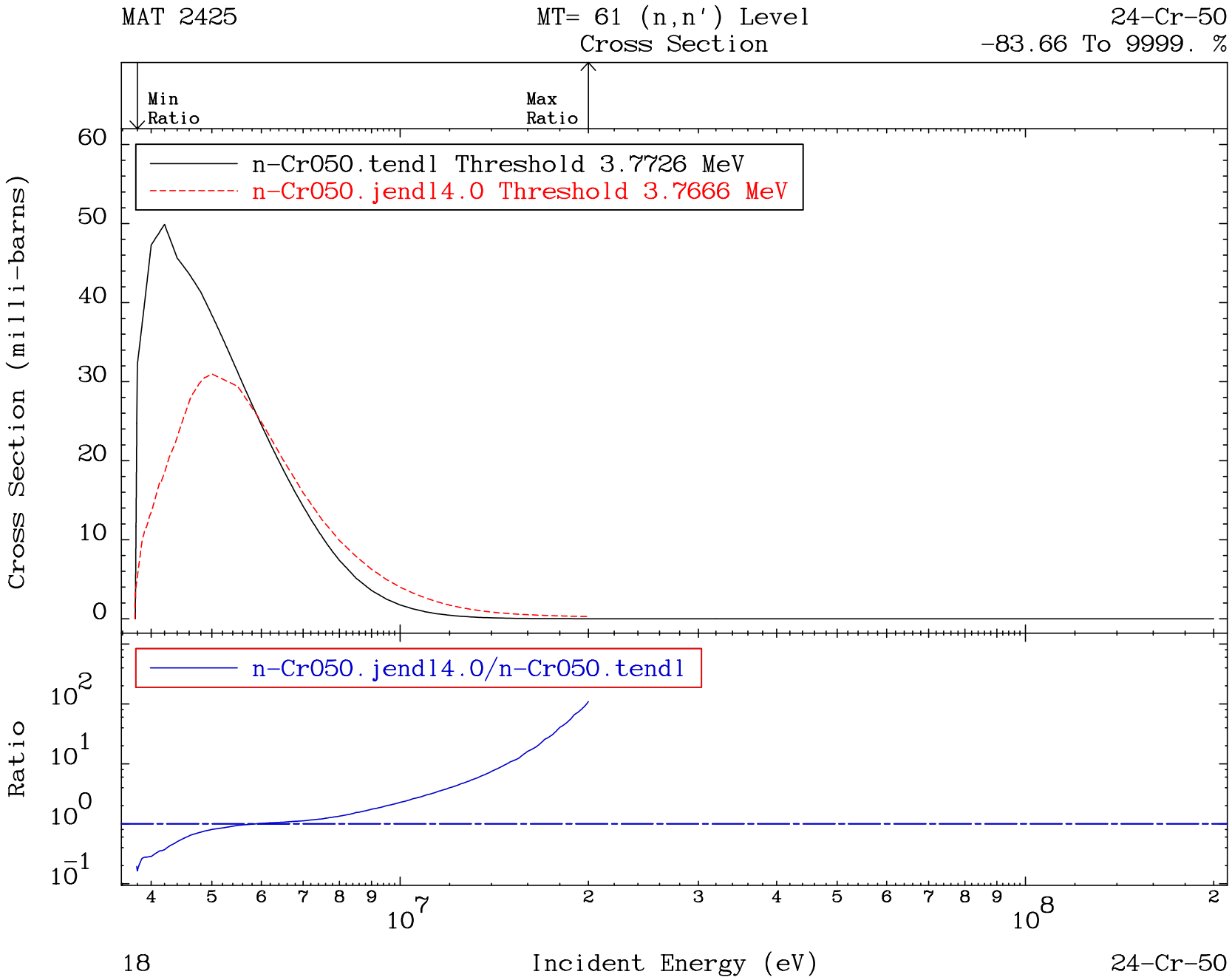

MAT 2425
MT= 56 (n,n') Level
Cross Section
24-Cr-50
-66.27 To 1043. %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 3.3917 MeV
n-Cr050.jendl4.0 Threshold 3.3917 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^1
10^0
4
4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
13
Incident Energy (eV)
24-Cr-50

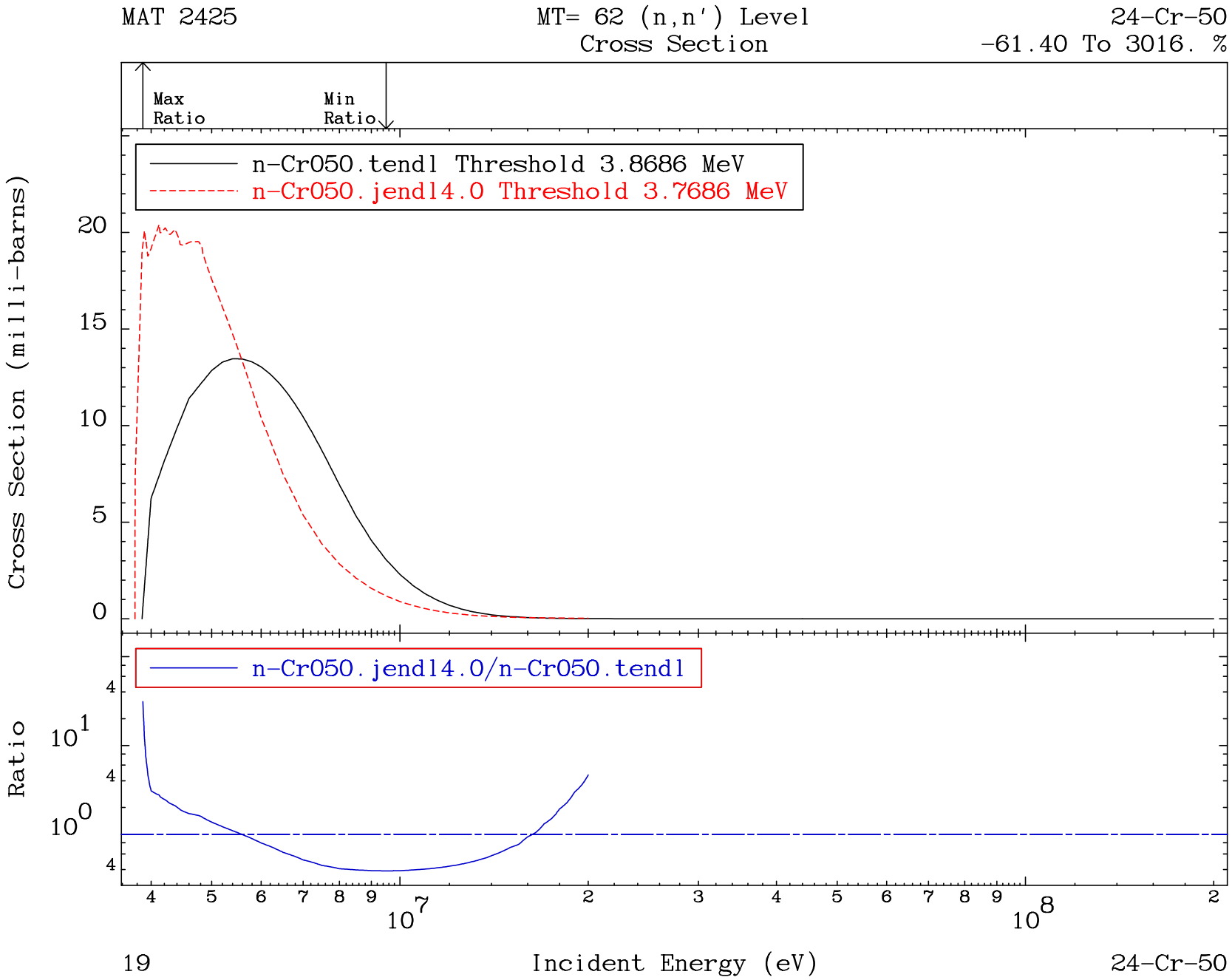

MAT 2425
MT= 57 (n,n') Level
Cross Section
24-Cr-50
-72.12 To 9999. %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 3.6672 MeV
n-Cr050.jendl4.0 Threshold 3.6672 MeV
Cross Section (milli-barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
Incident Energy (eV)
14
24-Cr-50

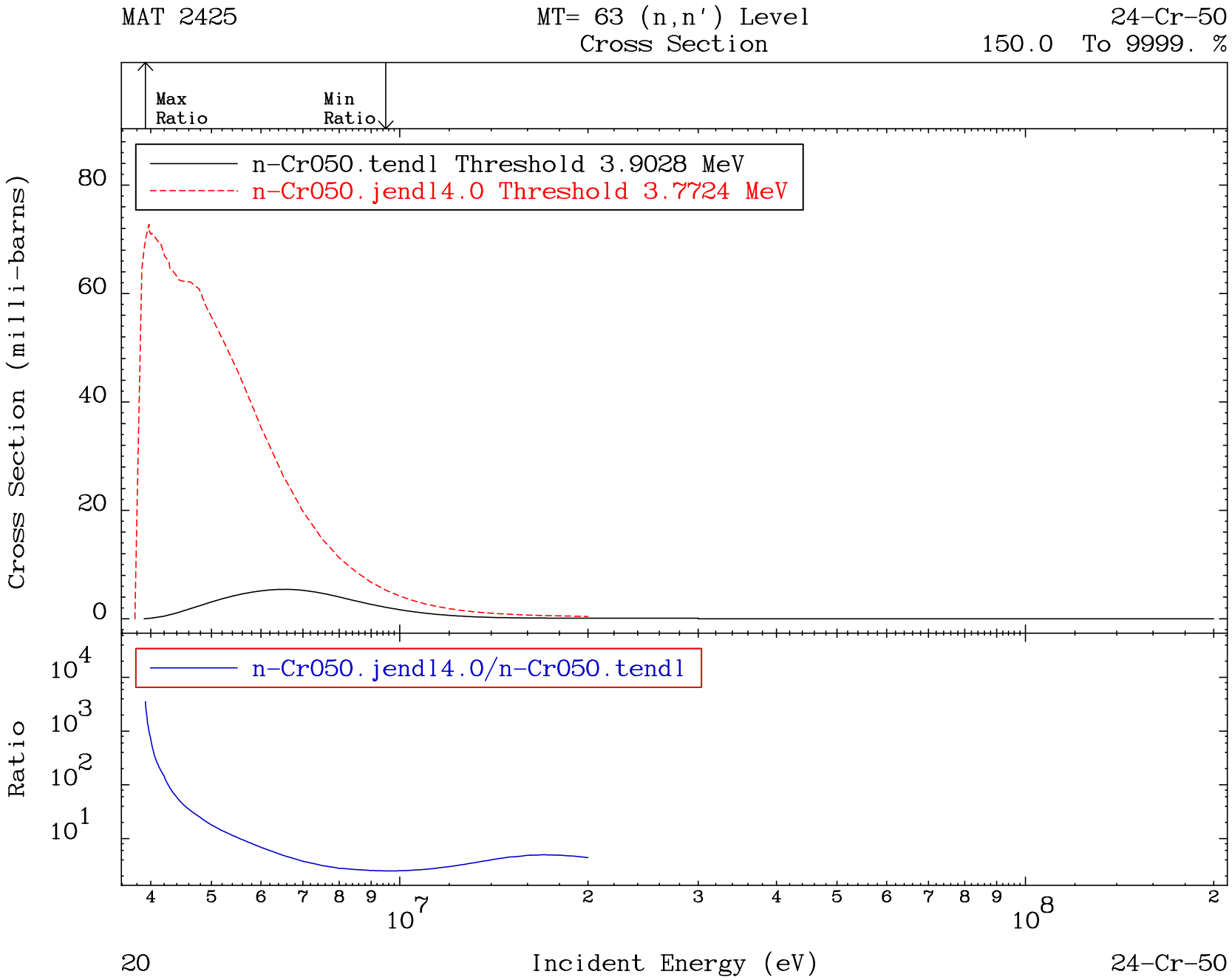

MAT 2425
MT= 58 (n,n') Level
Cross Section
24-Cr-50
-70.69 To 9999. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 3.6843 MeV
n-Cr050.jendl4.0 Threshold 3.6747 MeV
Cross Section (milli-barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
Incident Energy (eV)
15
24-Cr-50

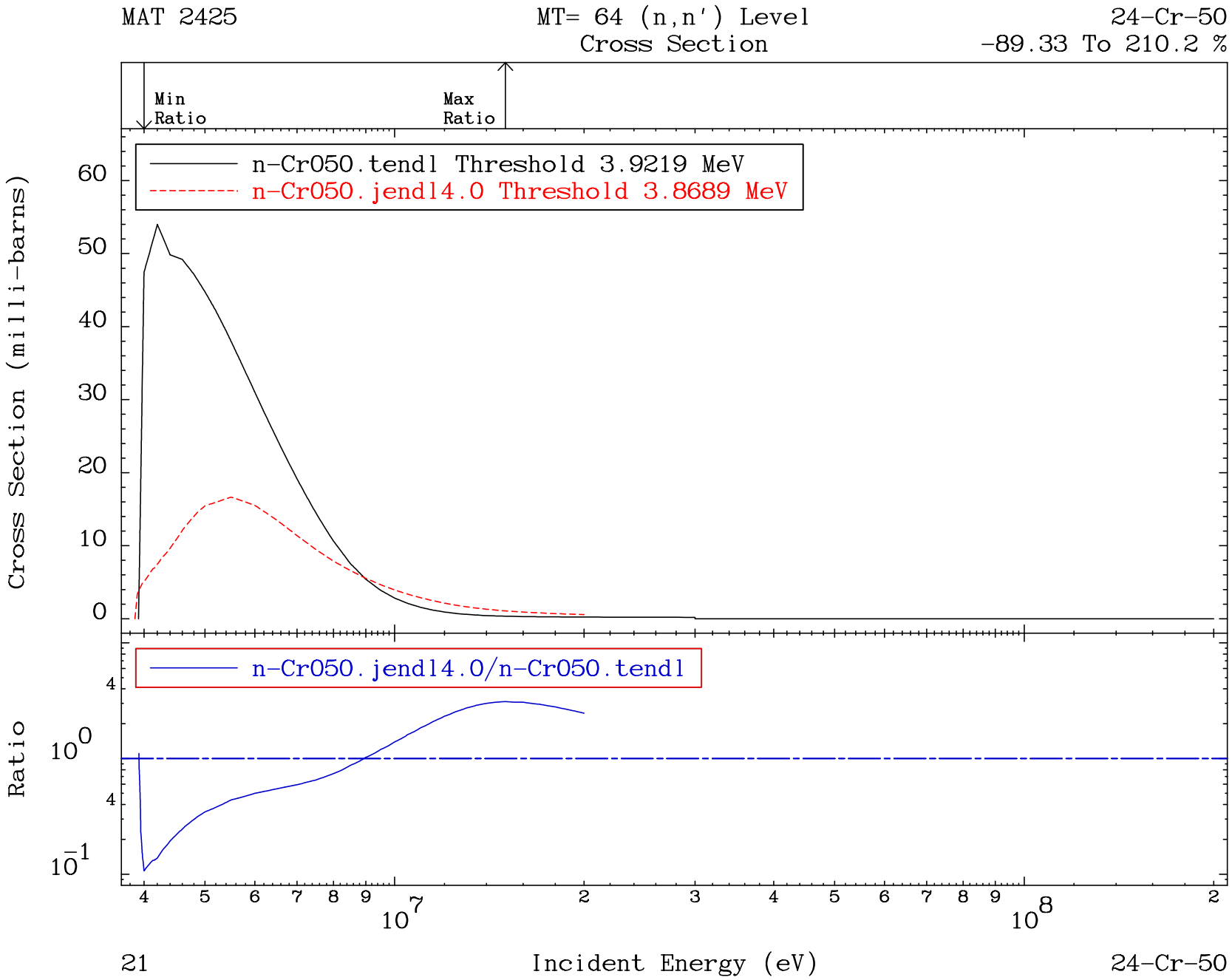

MAT 2425
MT= 59 (n,n') Level
Cross Section
24-Cr-50
-76.89 To 4619. %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 3.7029 MeV
n-Cr050.jendl4.0 Threshold 3.6842 MeV
Cross Section (milli-barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
Incident Energy (eV)
16
24-Cr-50

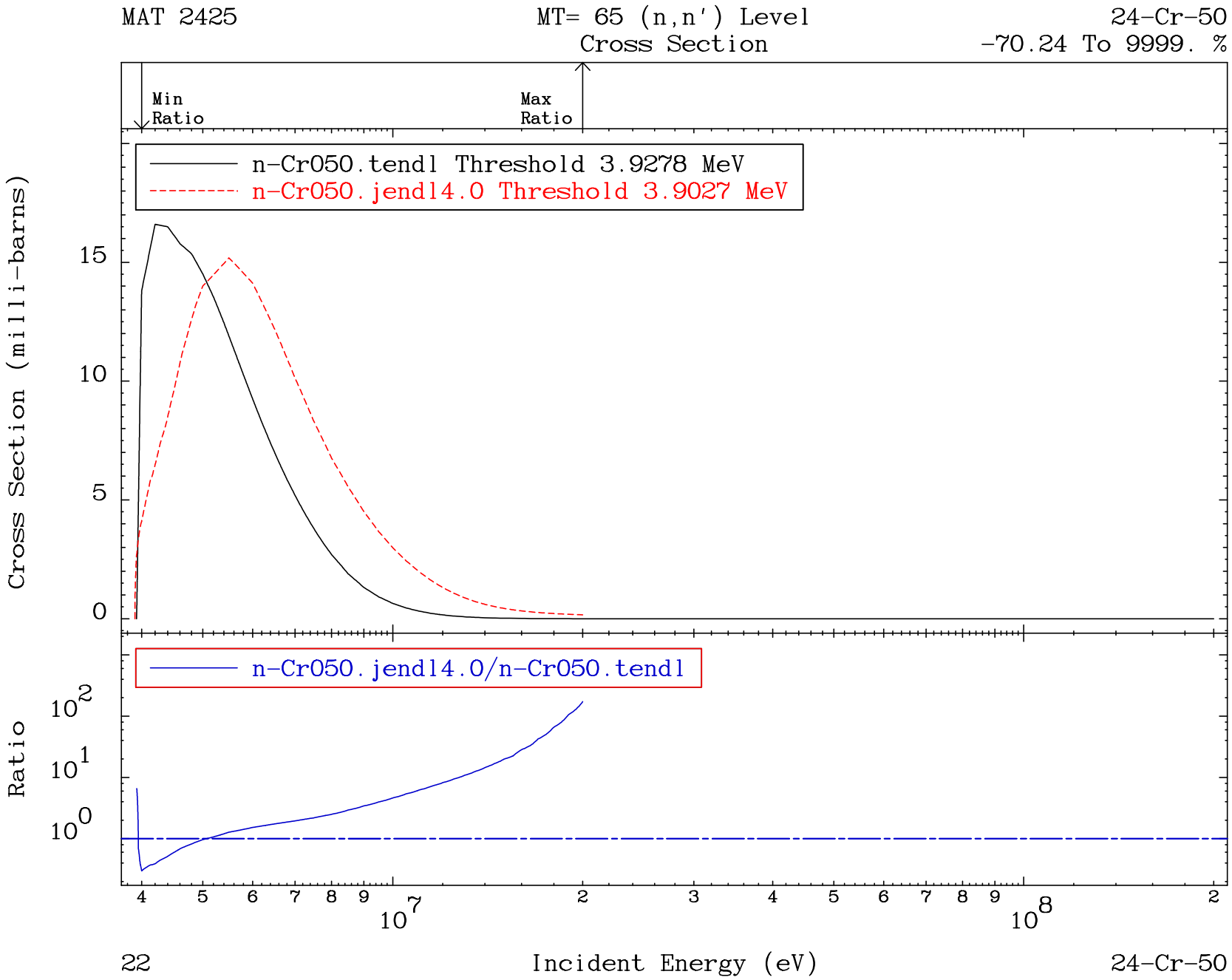

MAT 2425
MT= 60 (n,n') Level
Cross Section
24-Cr-50
164.1 To 9999. %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 3.7686 MeV
n-Cr050.jendl4.0 Threshold 3.7028 MeV
Cross Section (milli-barns)
0
10
20
30
40
50
60
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^3
10^2
10^1
4
10^7
10^8
2
3
5
6
7
8
9
17
Incident Energy (eV)
24-Cr-50

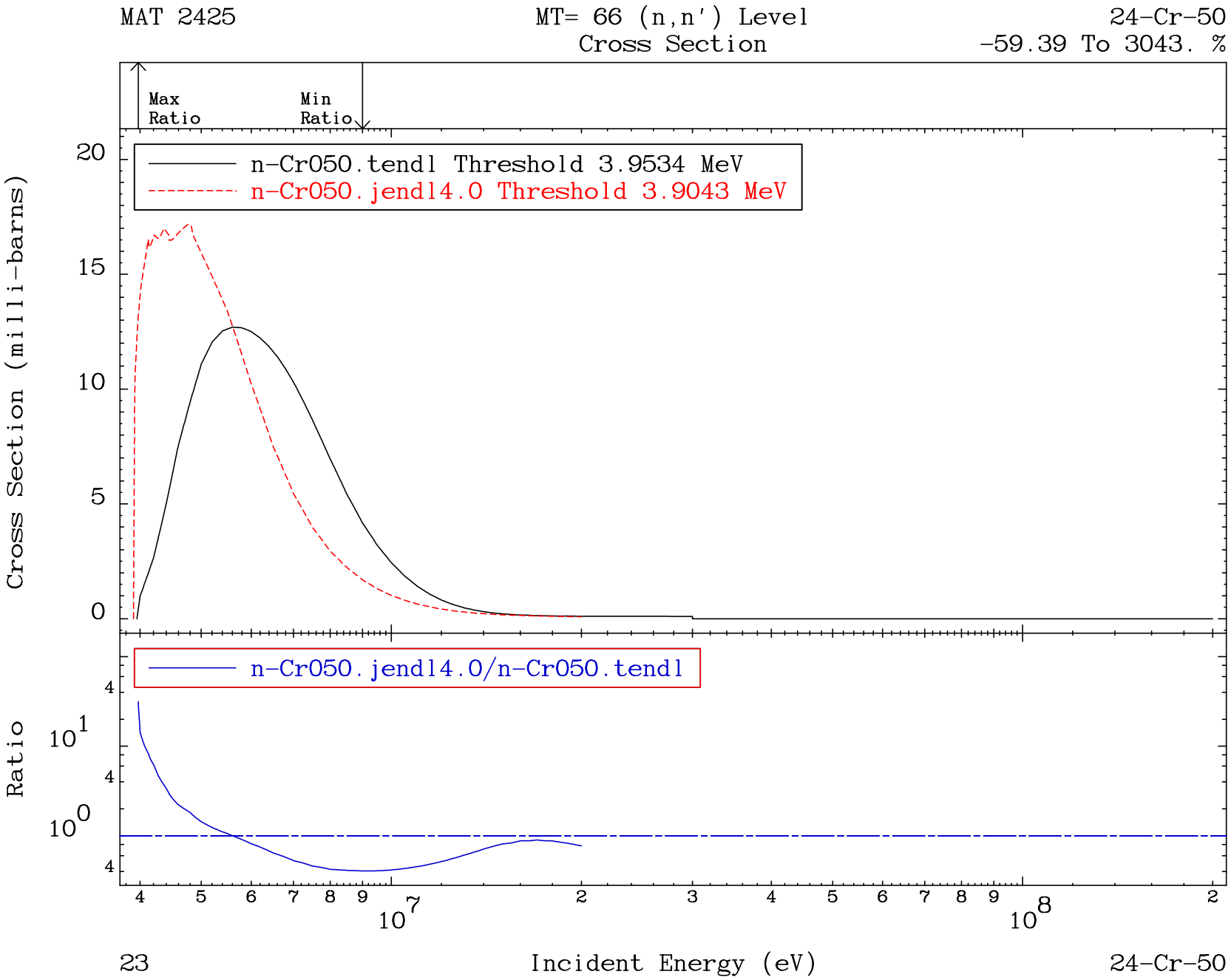

MAT 2425
MT= 61 (n,n') Level
Cross Section
24-Cr-50
-83.66 To 9999. %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 3.7726 MeV
n-Cr050.jendl4.0 Threshold 3.7666 MeV
Cross Section (milli-barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
Incident Energy (eV)
18
24-Cr-50

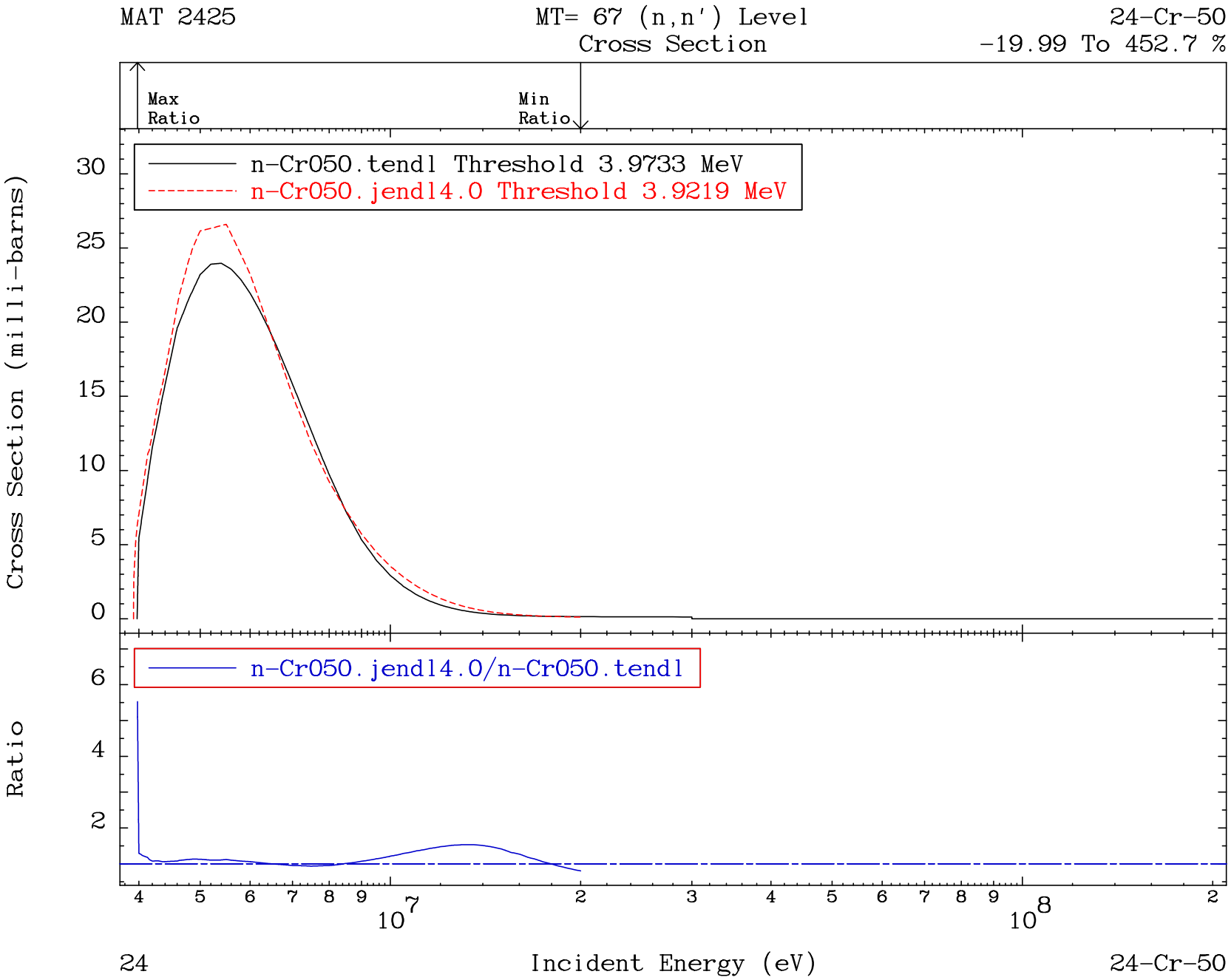

MAT 2425
MT= 62 (n,n') Level
Cross Section
24-Cr-50
-61.40 To 3016. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 3.8686 MeV
n-Cr050.jendl4.0 Threshold 3.7686 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^1
10^0
4
4
4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
19
Incident Energy (eV)
24-Cr-50

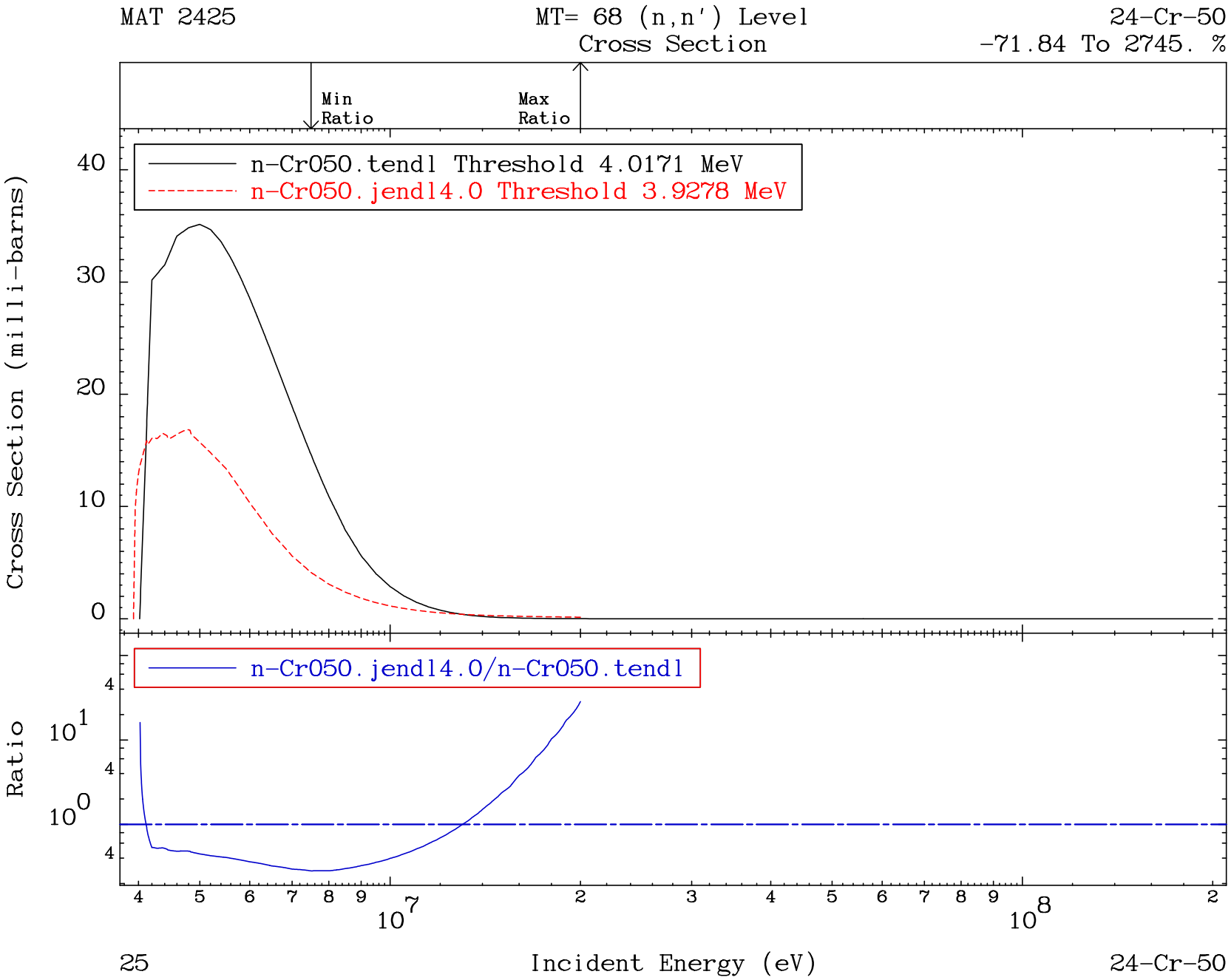

MAT 2425
MT= 63 (n,n') Level
Cross Section
24-Cr-50
150.0 To 9999. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 3.9028 MeV
n-Cr050.jendl4.0 Threshold 3.7724 MeV
Cross Section (milli-barns)
80
60
40
20
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^4
10^3
10^2
10^1
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
20
Incident Energy (eV)
24-Cr-50

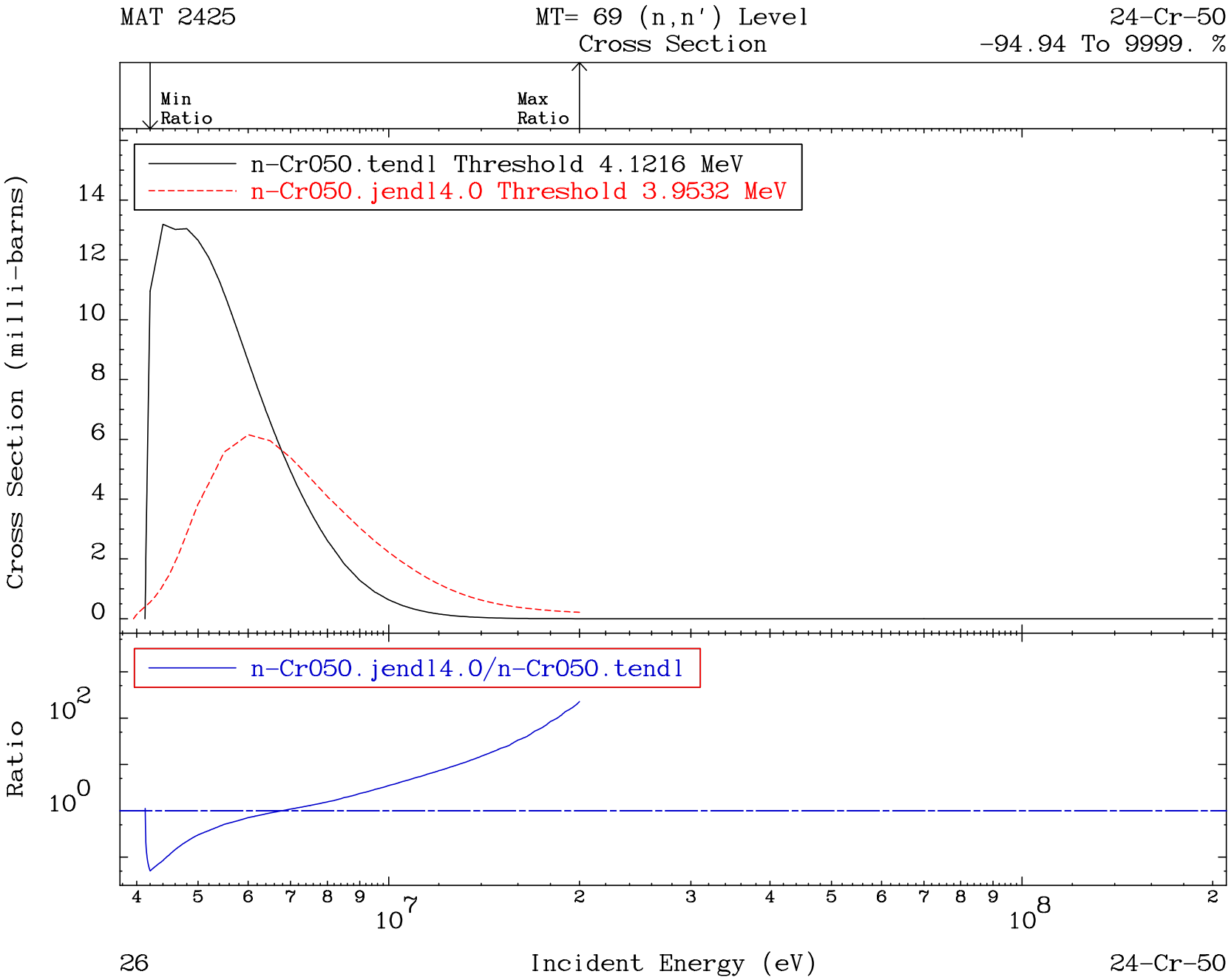

MAT 2425
MT= 64 (n,n') Level
Cross Section
24-Cr-50
-89.33 To 210.2 %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 3.9219 MeV
n-Cr050.jendl4.0 Threshold 3.8689 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
4
10^0
4
10^-1
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
21
Incident Energy (eV)
24-Cr-50

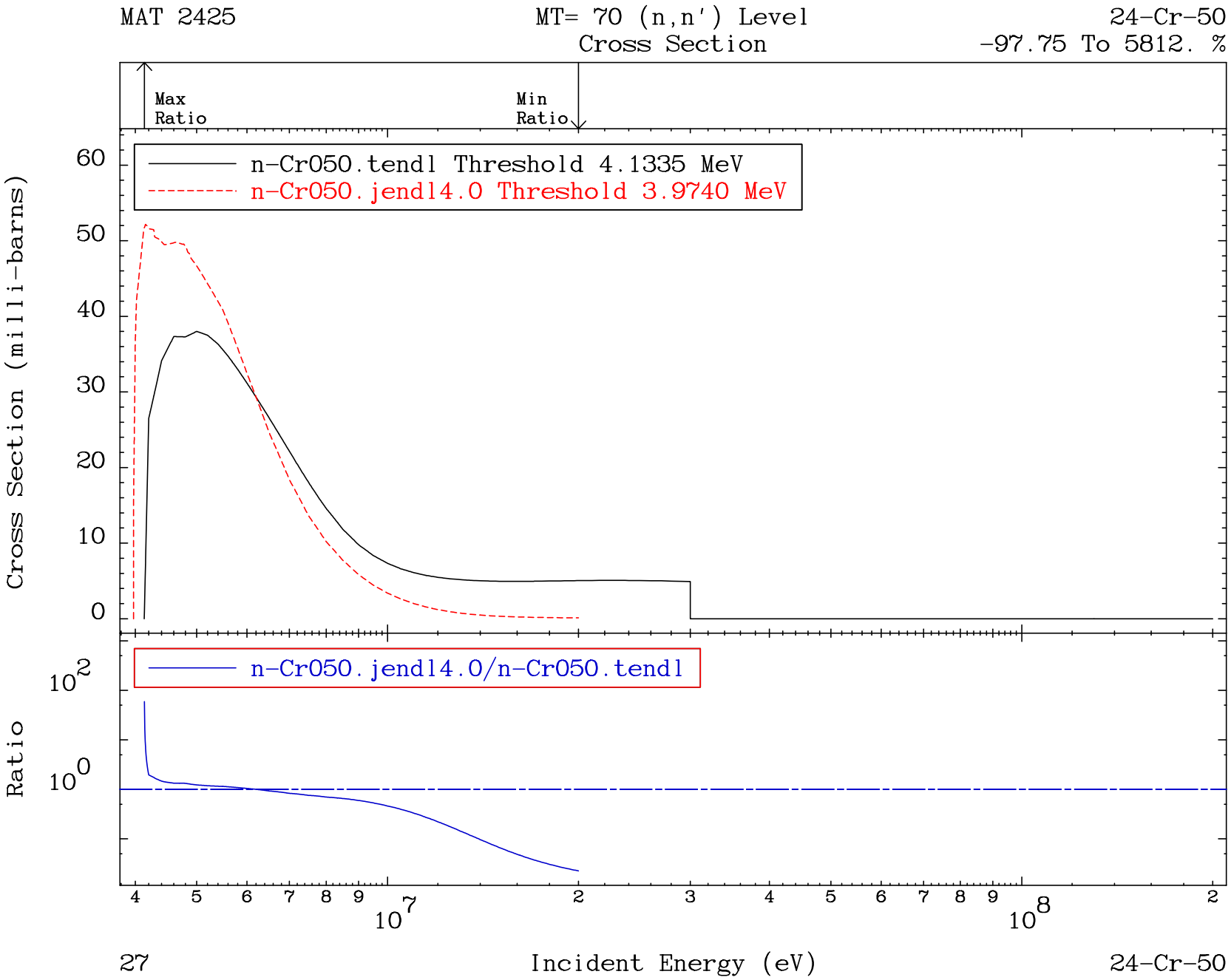

MAT 2425
MT= 65 (n,n') Level
Cross Section
24-Cr-50
-70.24 To 9999. %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 3.9278 MeV
n-Cr050.jendl4.0 Threshold 3.9027 MeV
Cross Section (milli-barns)
15
10
5
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^2
10^1
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
22
Incident Energy (eV)
24-Cr-50

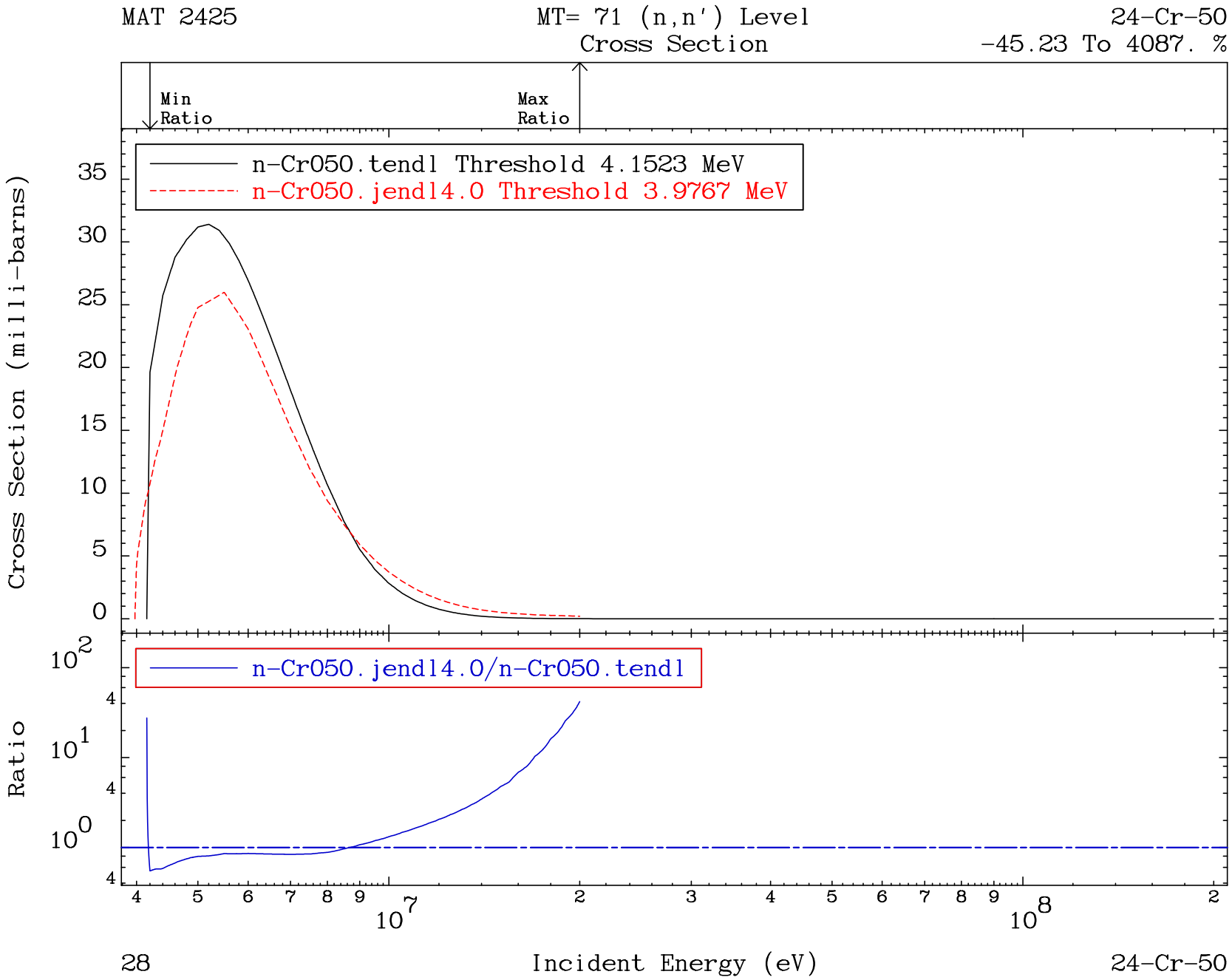

MAT 2425
MT= 66 (n,n') Level
Cross Section
24-Cr-50
-59.39 To 3043. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 3.9534 MeV
n-Cr050.jendl4.0 Threshold 3.9043 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^1
10^0
4
4
4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
23
Incident Energy (eV)
24-Cr-50

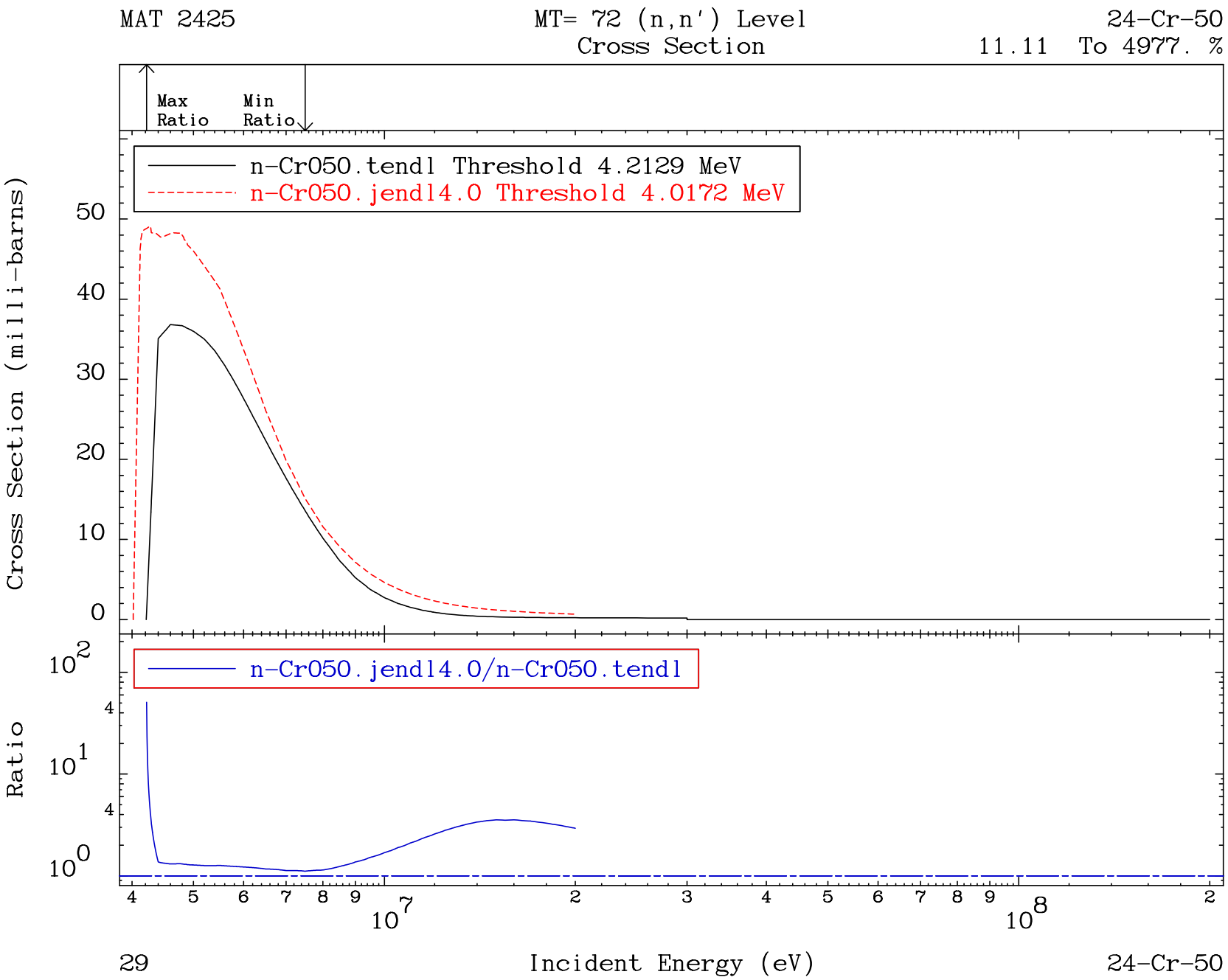

MAT 2425
MT= 67 (n,n') Level
Cross Section
24-Cr-50
-19.99 To 452.7 %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 3.9733 MeV
n-Cr050.jendl4.0 Threshold 3.9219 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
6
4
2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
24
Incident Energy (eV)
24-Cr-50

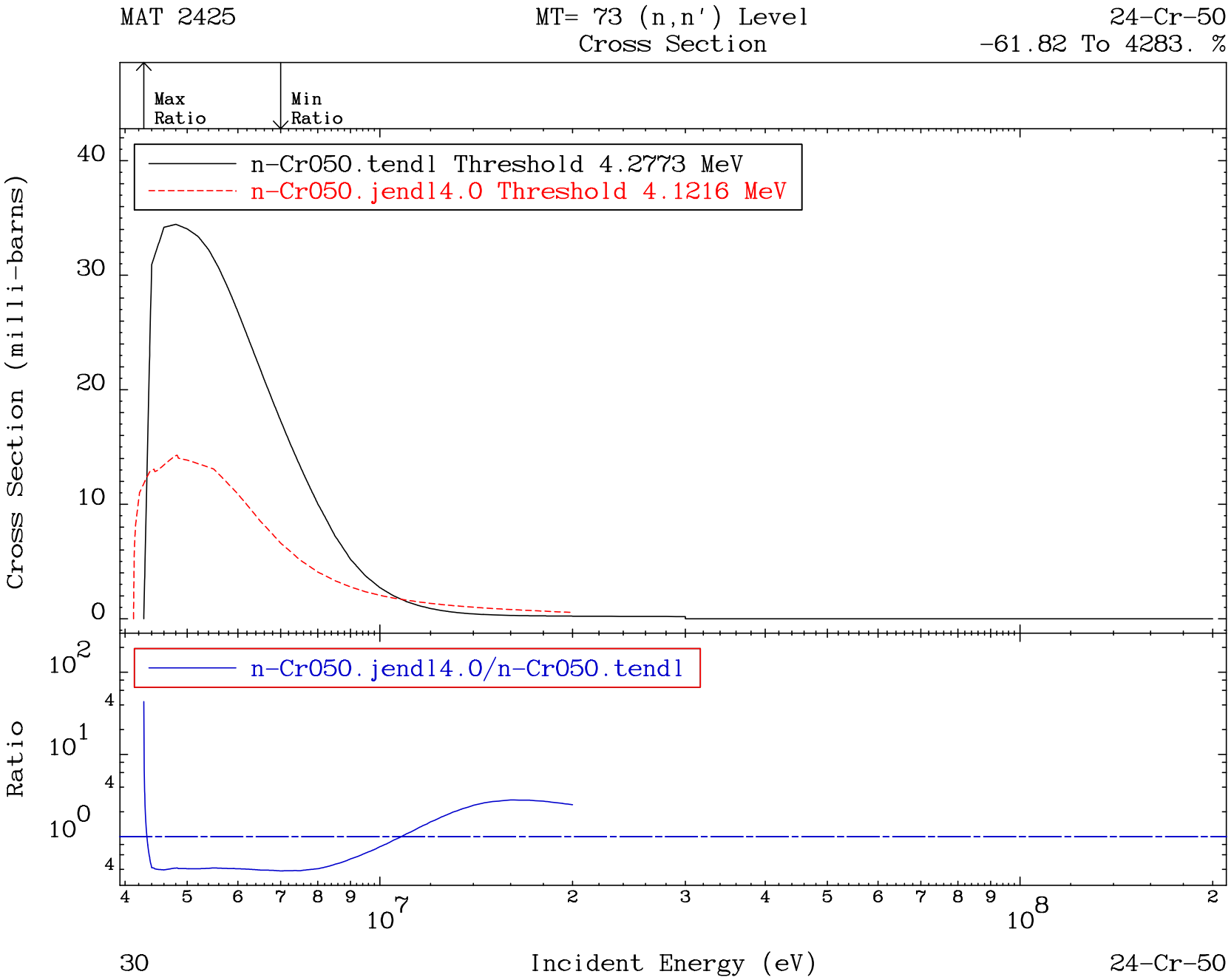

MAT 2425
MT= 68 (n,n') Level
Cross Section
24-Cr-50
-71.84 To 2745. %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 4.0171 MeV
n-Cr050.jendl4.0 Threshold 3.9278 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^1
10^0
4
4
4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
25
Incident Energy (eV)
24-Cr-50

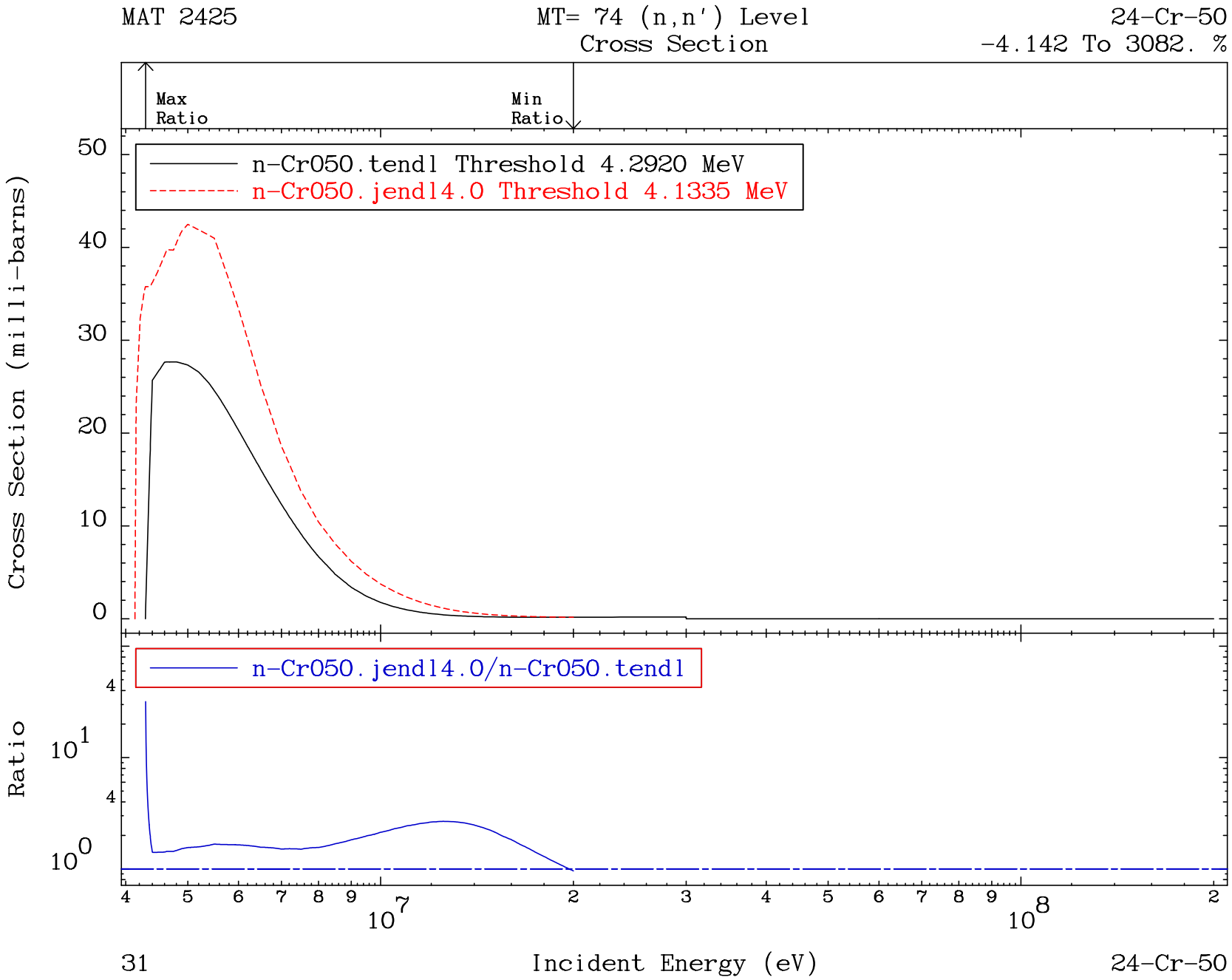

MAT 2425
MT= 69 (n,n') Level
Cross Section
24-Cr-50
-94.94 To 9999. %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 4.1216 MeV
n-Cr050.jendl4.0 Threshold 3.9532 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
14
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^0
10^2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
26
24-Cr-50

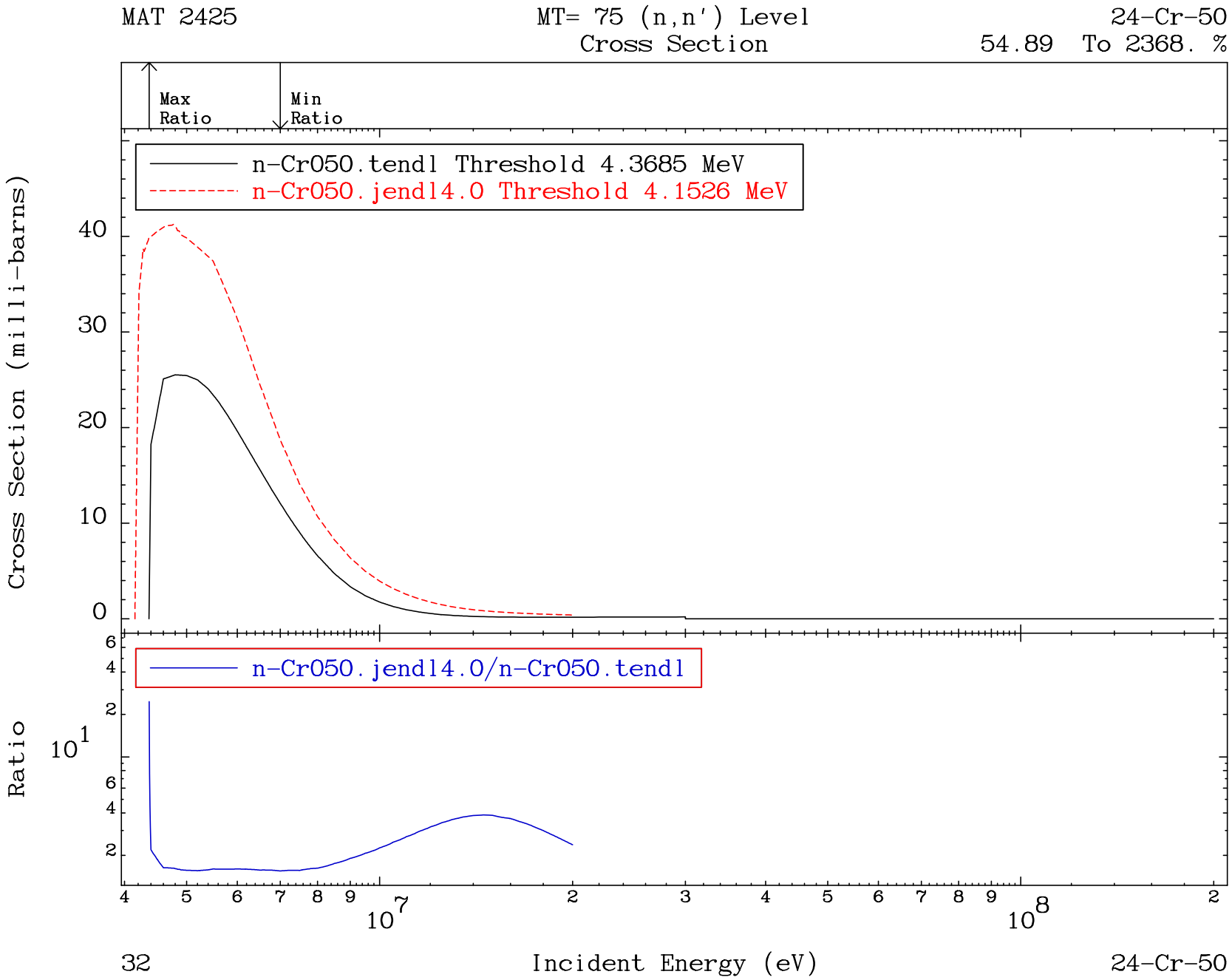

MAT 2425
MT= 70 (n,n') Level
Cross Section
24-Cr-50
-97.75 To 5812. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 4.1335 MeV
n-Cr050.jendl4.0 Threshold 3.9740 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^2
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
27
Incident Energy (eV)
24-Cr-50

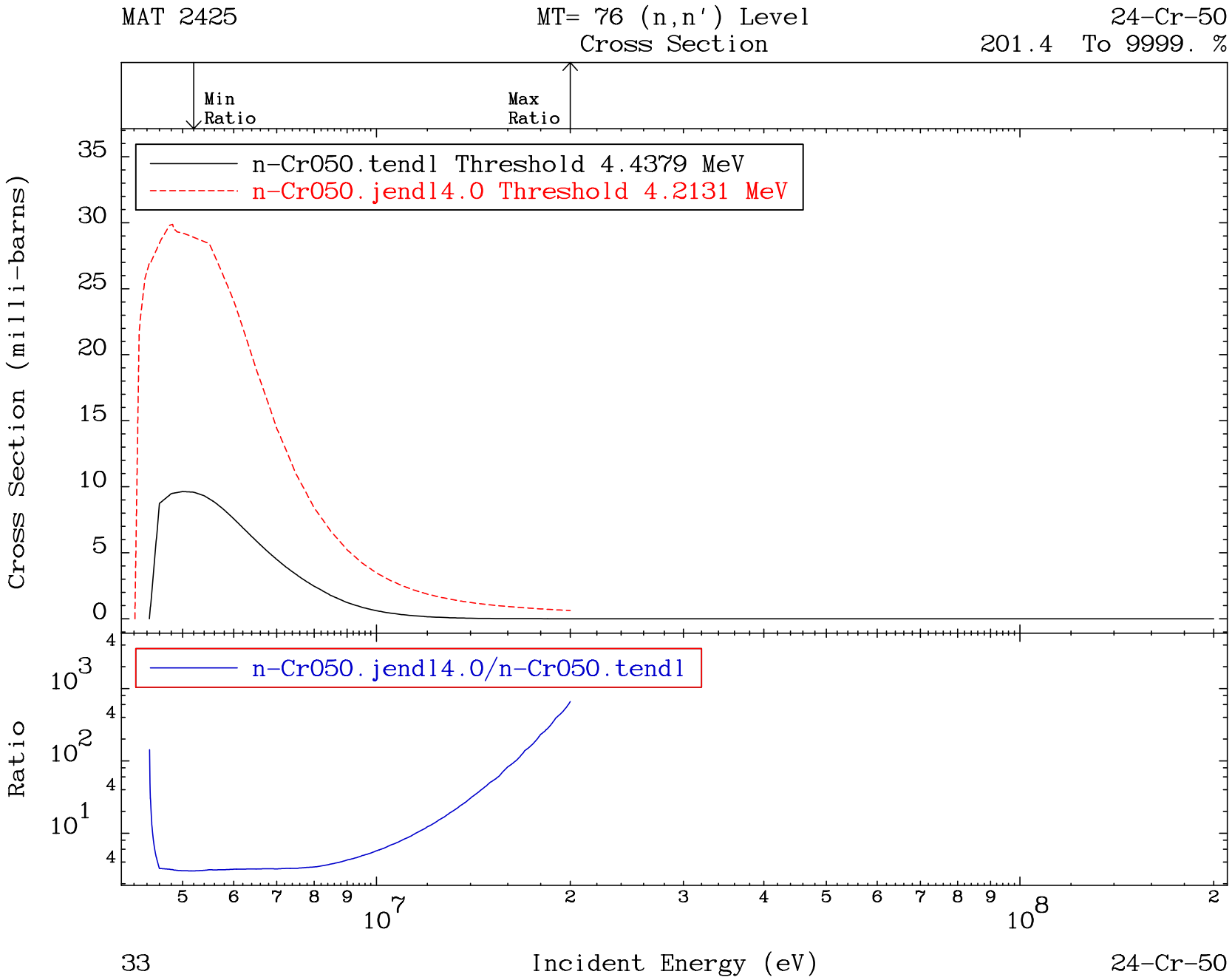

MAT 2425
MT= 71 (n,n') Level
Cross Section
24-Cr-50
-45.23 To 4087. %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 4.1523 MeV
n-Cr050.jendl4.0 Threshold 3.9767 MeV
Cross Section (milli-barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
Incident Energy (eV)
28
24-Cr-50

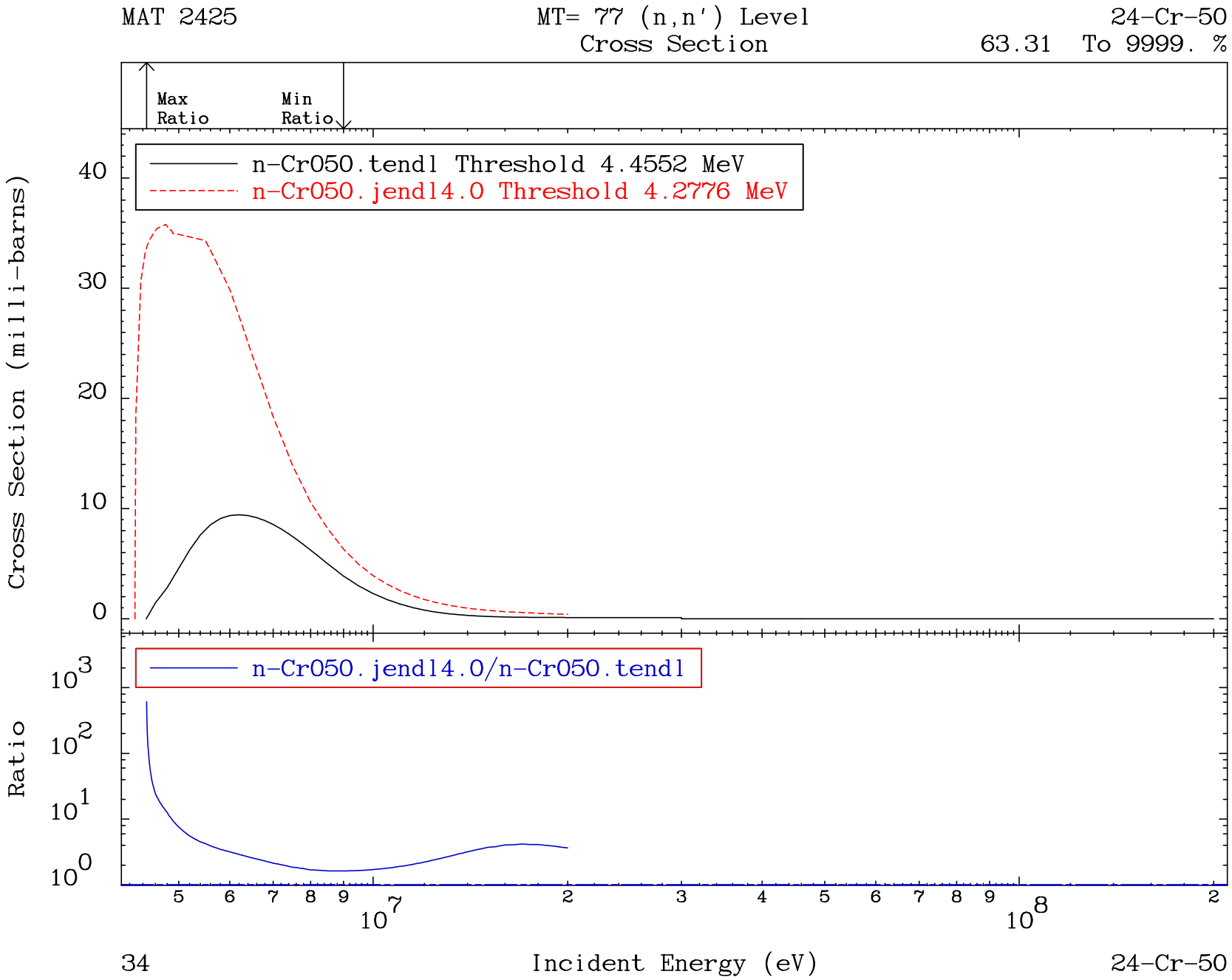

MAT 2425
MT= 72 (n,n') Level
Cross Section
24-Cr-50
11.11 To 4977. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 4.2129 MeV
n-Cr050.jendl4.0 Threshold 4.0172 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^2
4
10^1
4
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
24-Cr-50

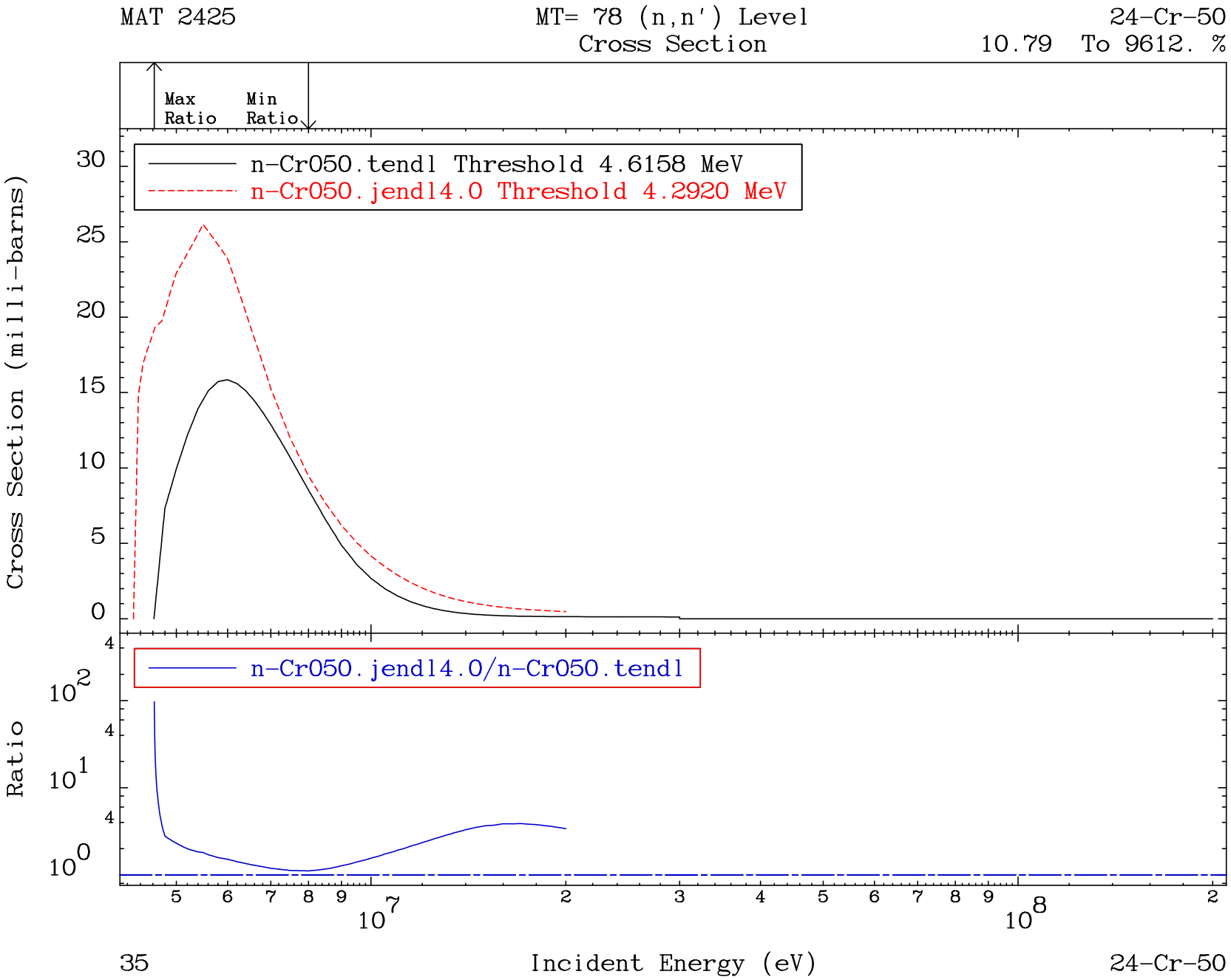

MAT 2425
MT= 73 (n,n') Level
Cross Section
24-Cr-50
-61.82 To 4283. %
Max
Ratio
Min
Ratio
n-Cr050.tendl Threshold 4.2773 MeV
n-Cr050.jendl4.0 Threshold 4.1216 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^2
10^1
10^0
4
4
4
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
30
24-Cr-50

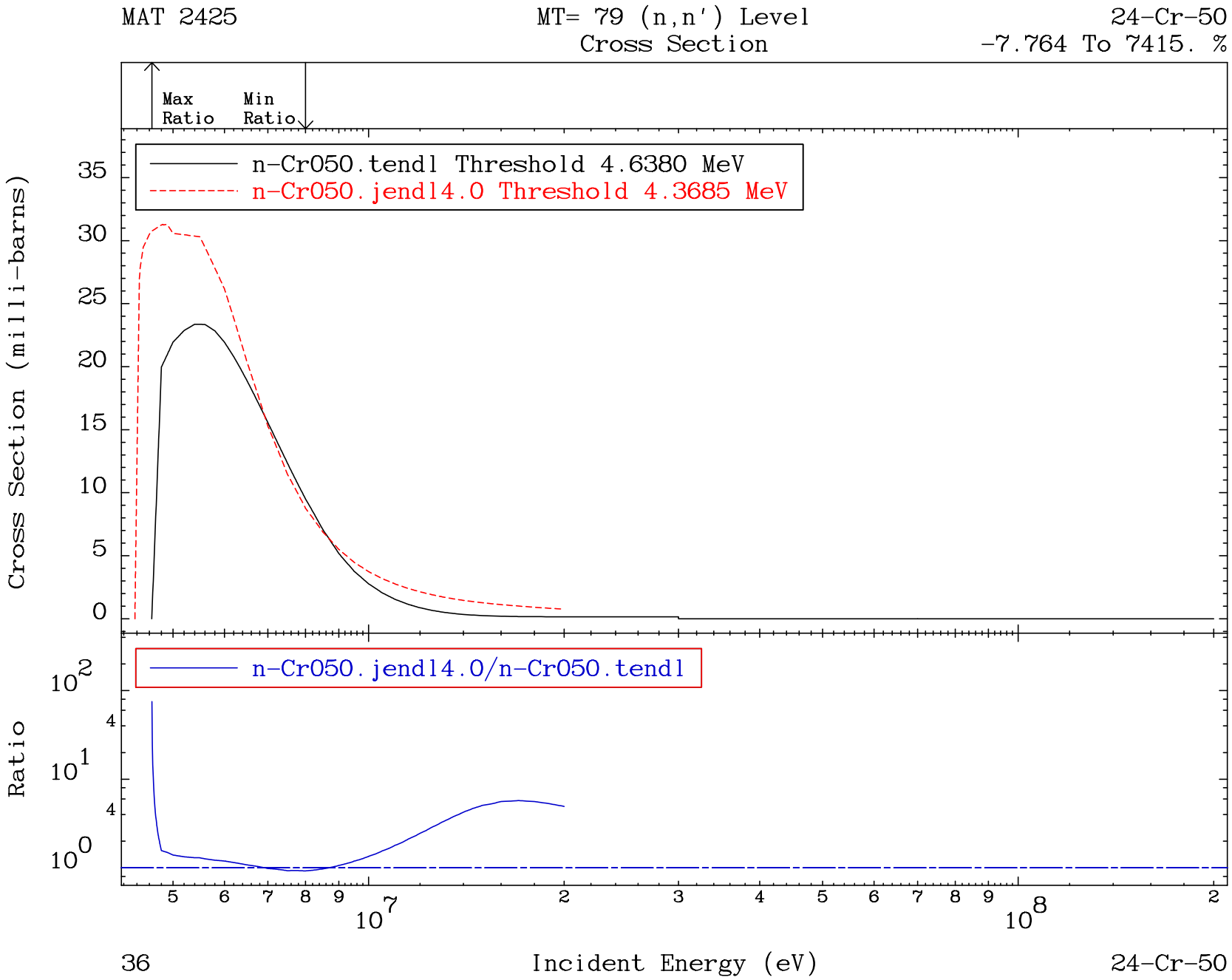

MAT 2425
MT= 74 (n,n') Level
Cross Section
24-Cr-50
-4.142 To 3082. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 4.2920 MeV
n-Cr050.jendl4.0 Threshold 4.1335 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
4
10^1
4
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
31
Incident Energy (eV)
24-Cr-50

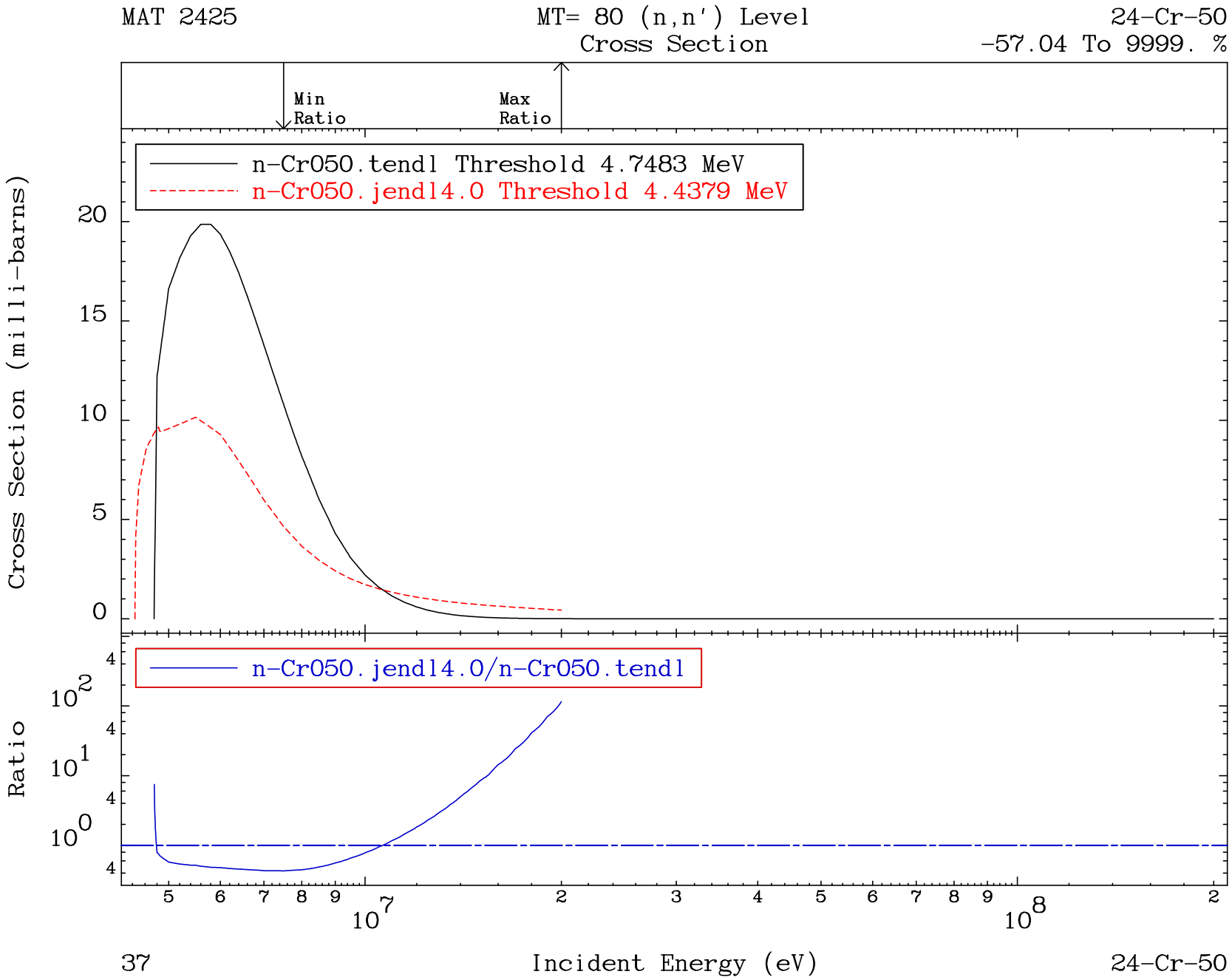

MAT 2425
MT= 75 (n,n') Level
Cross Section
24-Cr-50
54.89 To 2368. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 4.3685 MeV
n-Cr050.jendl4.0 Threshold 4.1526 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
6
4
2
10^1
6
4
2
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
32
Incident Energy (eV)
24-Cr-50

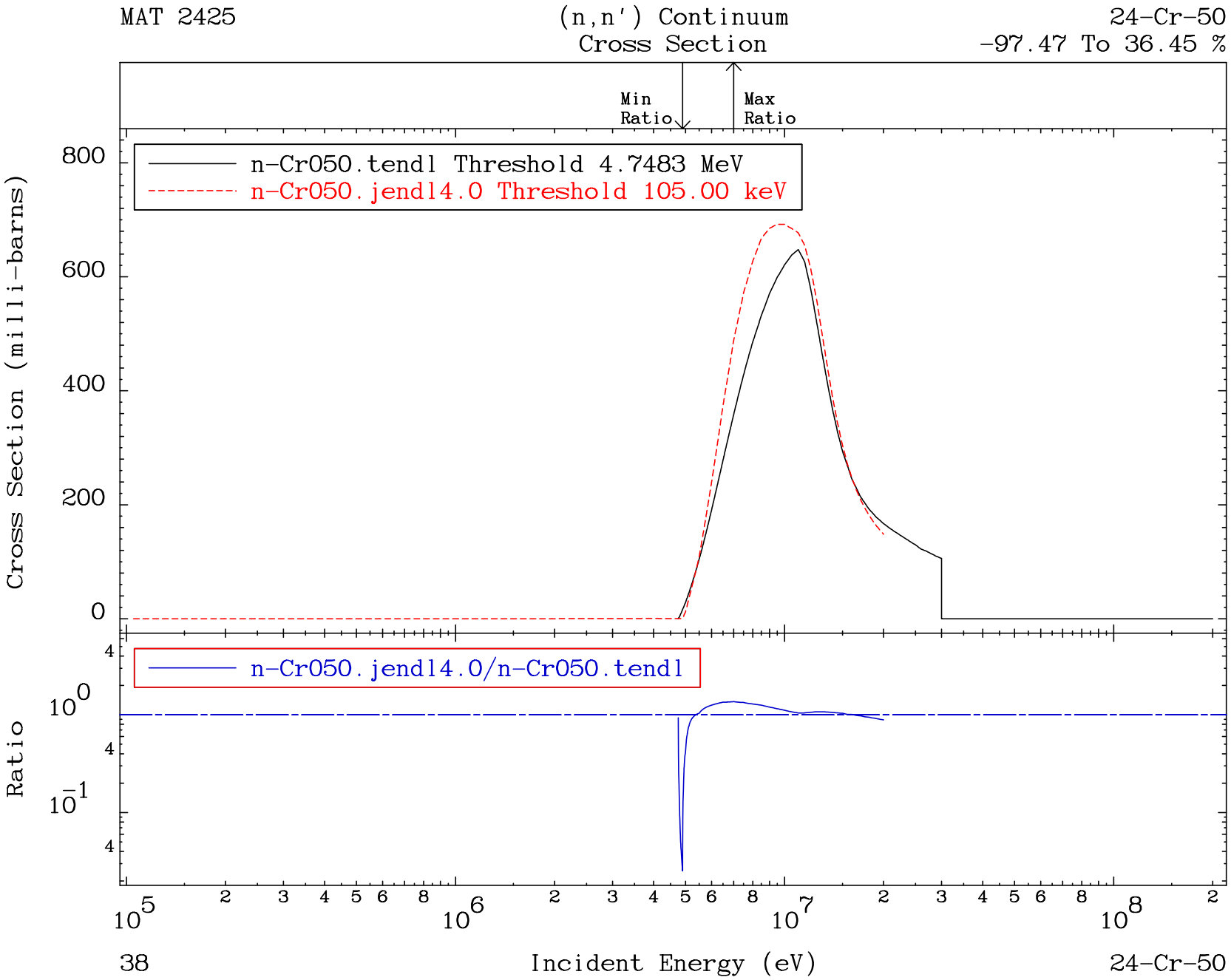

MAT 2425
MT= 76 (n,n') Level
Cross Section
24-Cr-50
201.4 To 9999. %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 4.4379 MeV
n-Cr050.jendl4.0 Threshold 4.2131 MeV
Cross Section (milli-barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
Incident Energy (eV)
33
24-Cr-50

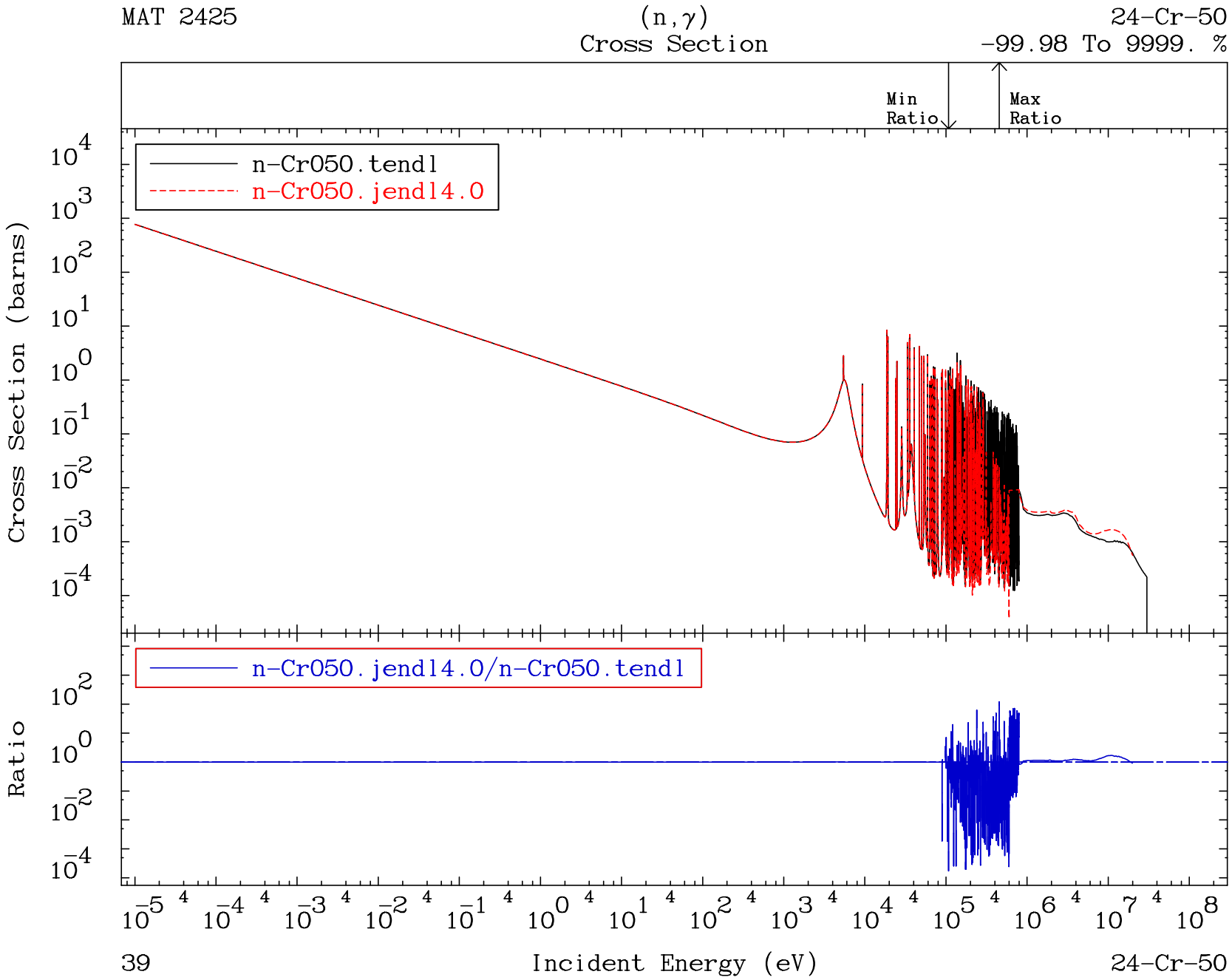

MAT 2425
MT= 77 (n,n') Level
Cross Section
24-Cr-50
63.31 To 9999. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 4.4552 MeV
n-Cr050.jendl4.0 Threshold 4.2776 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^3
10^2
10^1
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
24-Cr-50

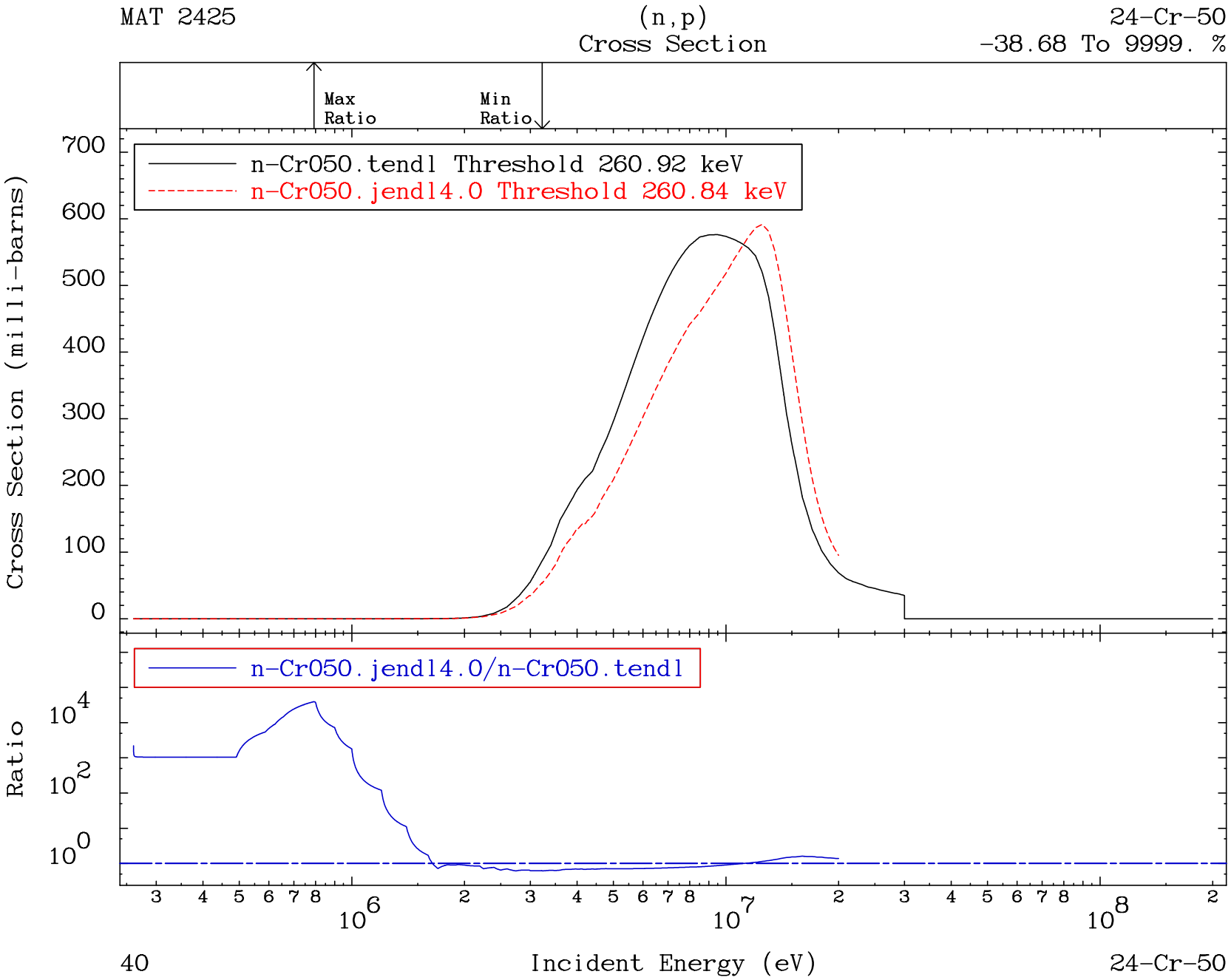

MAT 2425
MT= 78 (n,n') Level
Cross Section
24-Cr-50
10.79 To 9612. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 4.6158 MeV
n-Cr050.jendl4.0 Threshold 4.2920 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^2
10^1
10^0
4
4
4
5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
35
Incident Energy (eV)
24-Cr-50

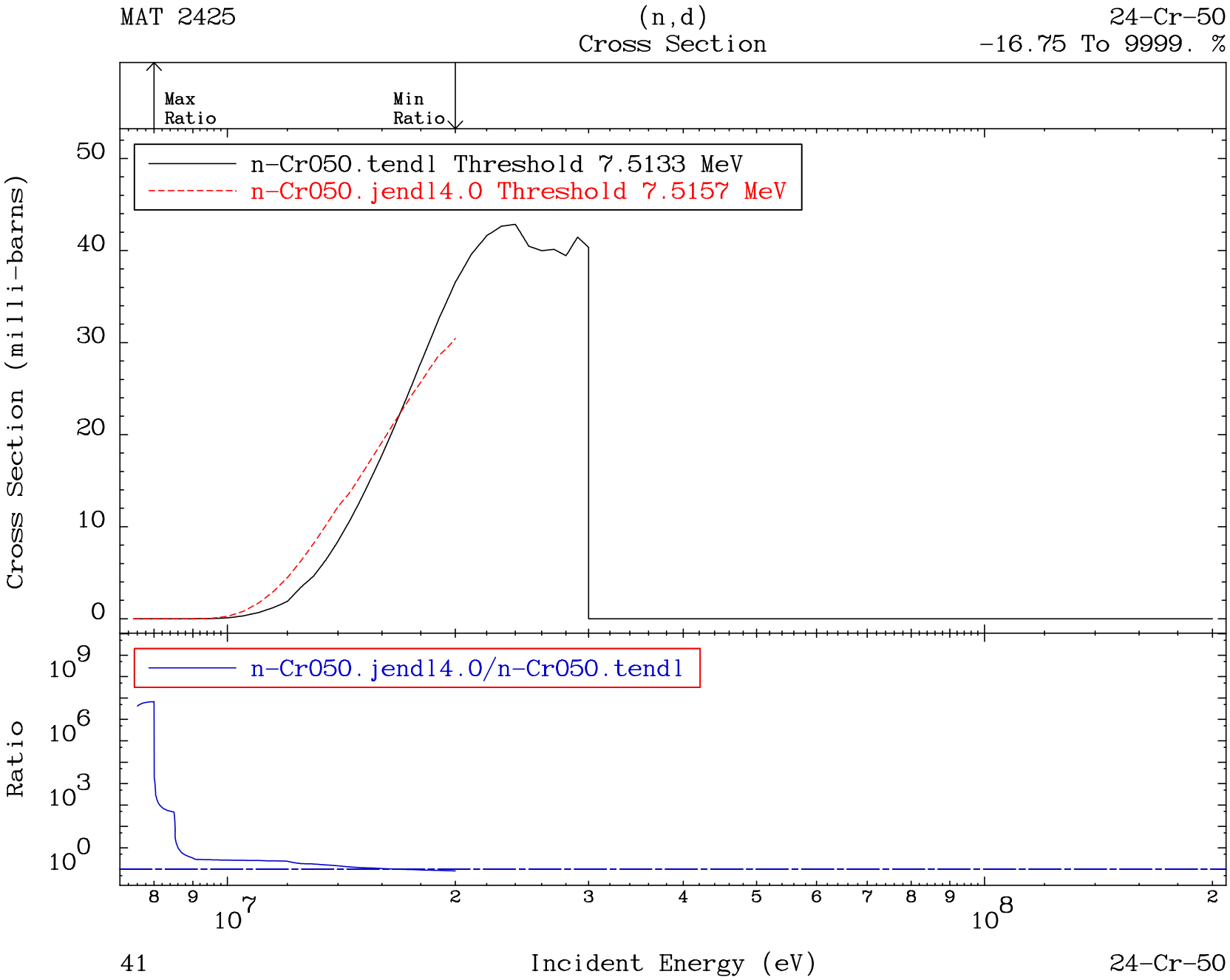

MAT 2425
MT= 79 (n,n') Level
Cross Section
24-Cr-50
-7.764 To 7415. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 4.6380 MeV
n-Cr050.jendl4.0 Threshold 4.3685 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^2
4
10^1
4
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
24-Cr-50

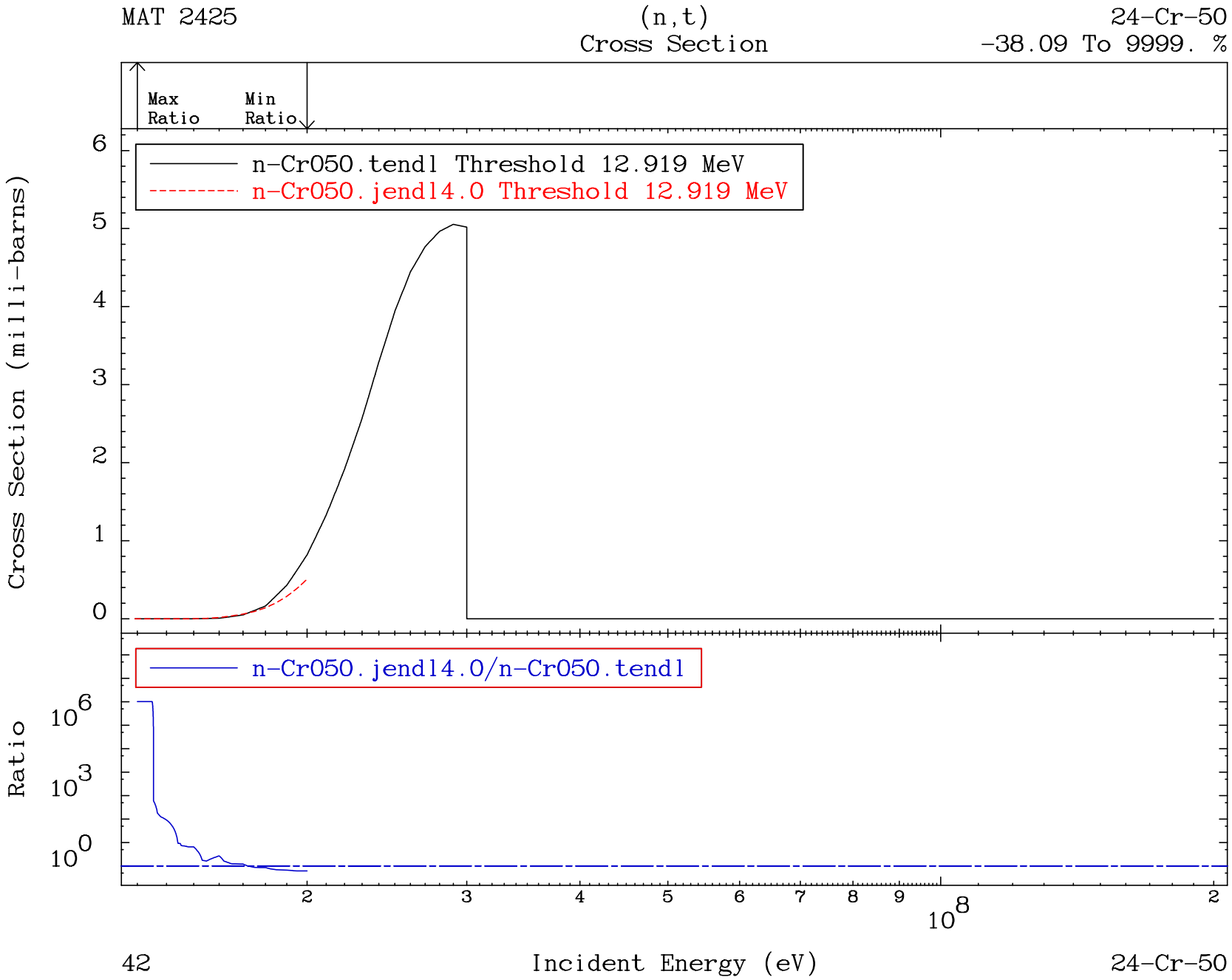

MAT 2425
MT= 80 (n,n') Level
Cross Section
24-Cr-50
-57.04 To 9999. %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 4.7483 MeV
n-Cr050.jendl4.0 Threshold 4.4379 MeV
Cross Section (milli-barns)
20
15
10
5
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^2
10^1
10^0
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
37
Incident Energy (eV)
24-Cr-50

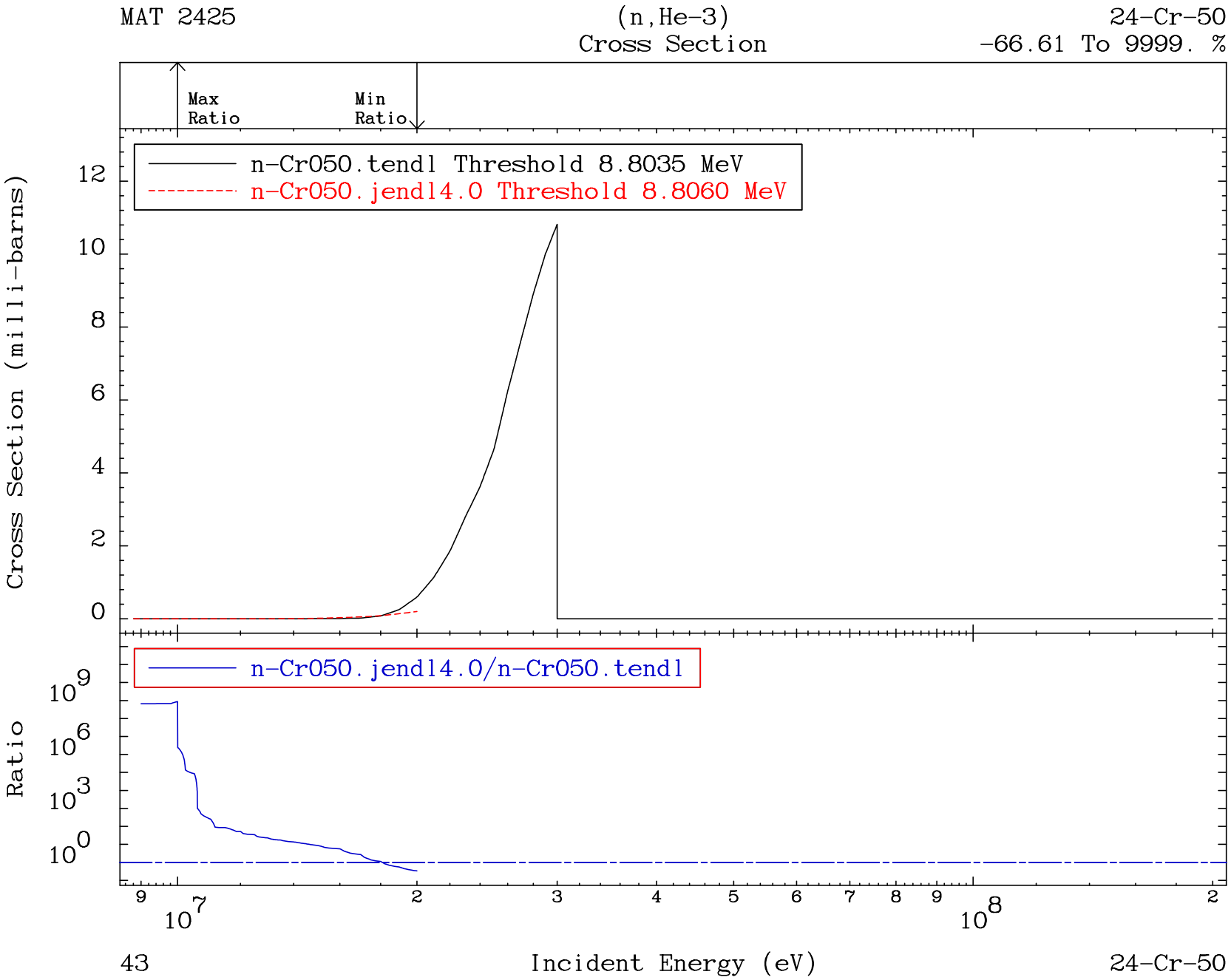

MAT 2425
(n,n') Continuum
Cross Section
24-Cr-50
-97.47 To 36.45 %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 4.7483 MeV
n-Cr050.jendl4.0 Threshold 105.00 keV
Cross Section (milli-barns)
800
600
400
200
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^0
10^-1
4
4
4
10^5
2 3 4 5 6 8
10^6
2 3 4 5 6 8
10^7
2 3 4 5 6 8
10^8
2
38
Incident Energy (eV)
24-Cr-50

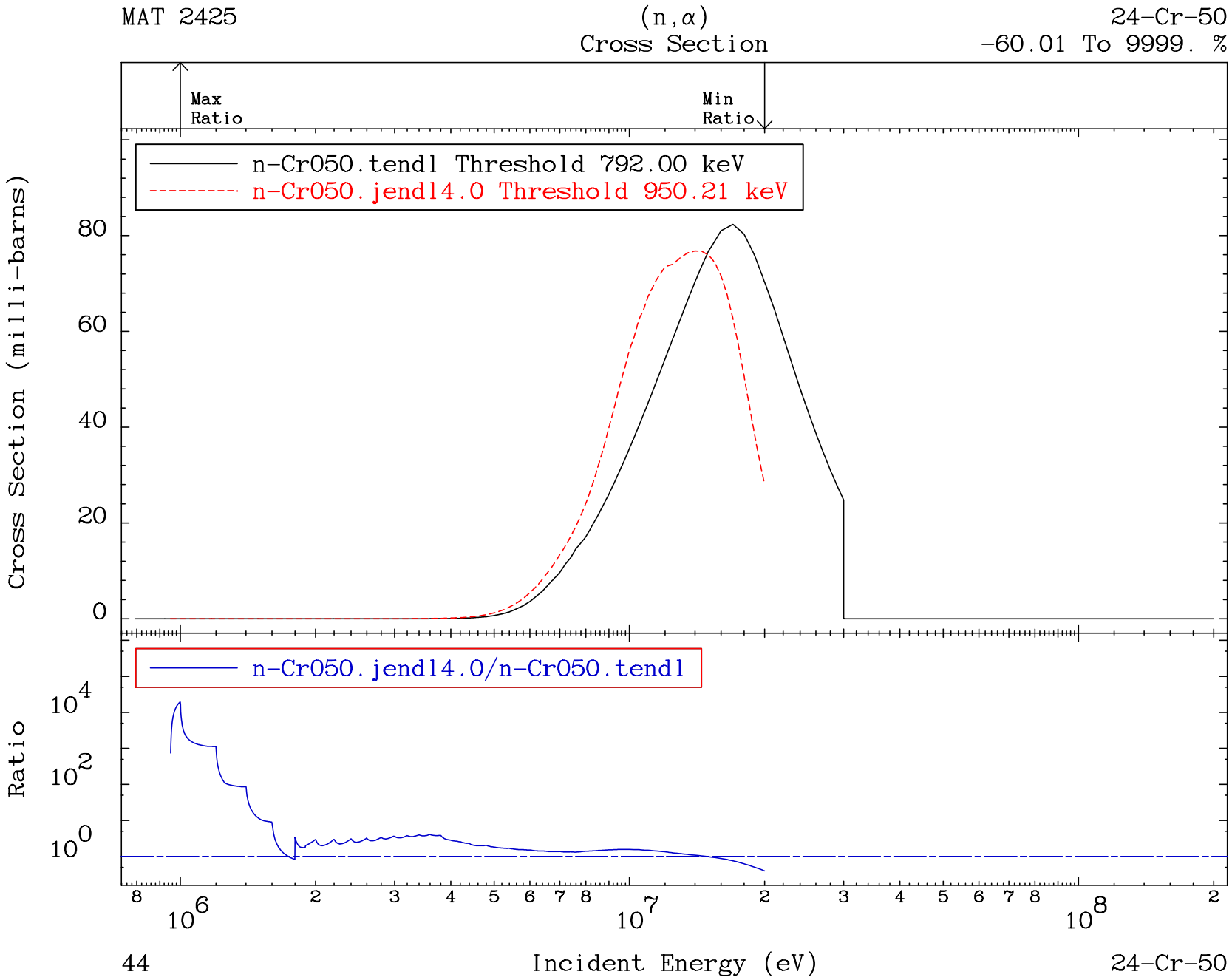

MAT 2425
(n,γ)
Cross Section
24-Cr-50
-99.98 To 9999. %
Min Ratio
Max Ratio
n-Cr050.tendl
n-Cr050.jendl4.0
Cross Section (barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
39
Incident Energy (eV)
24-Cr-50

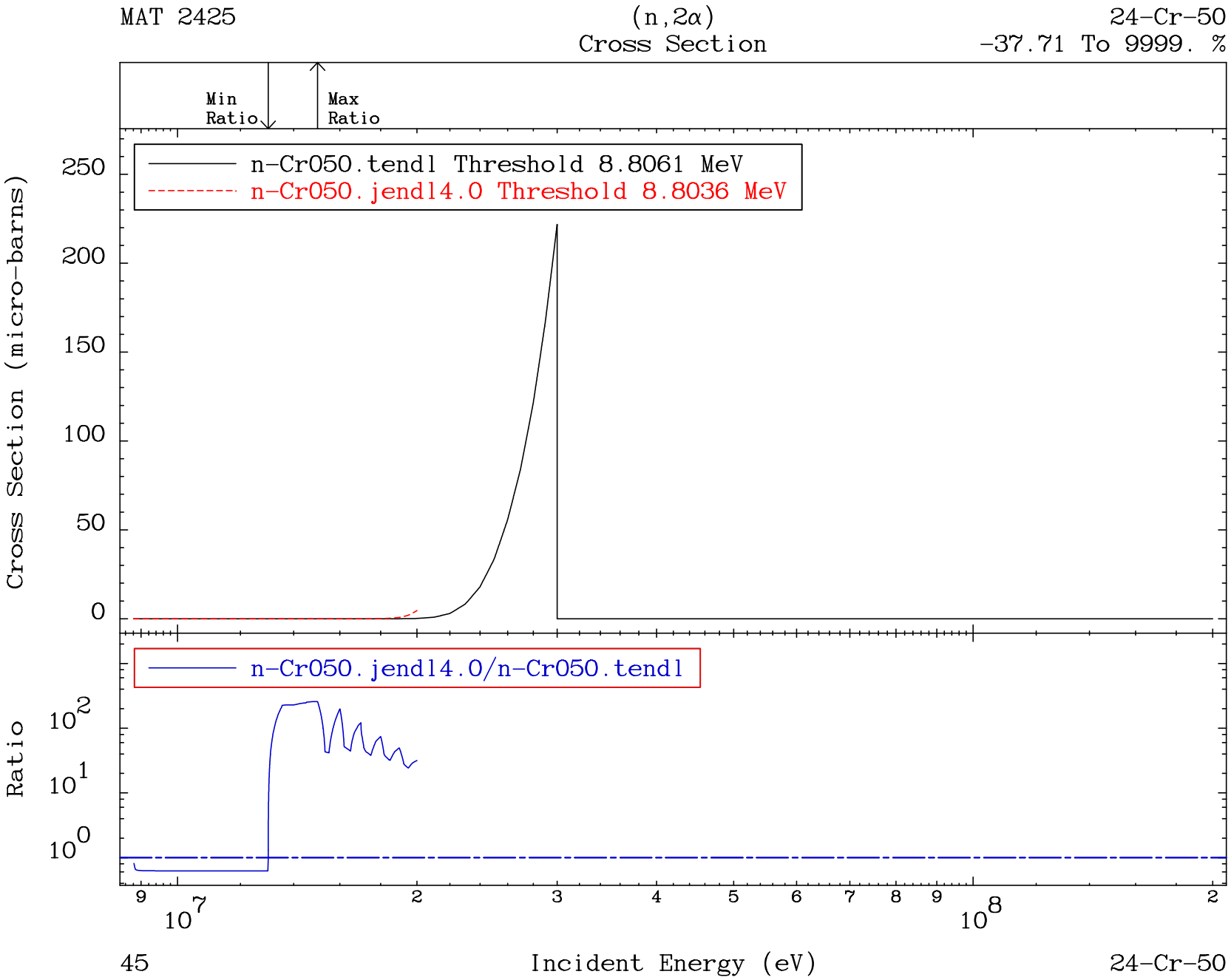

MAT 2425
(n,p)
Cross Section
24-Cr-50
-38.68 To 9999. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 260.92 keV
n-Cr050.jendl4.0 Threshold 260.84 keV
Cross Section (milli-barns)
700
600
500
400
300
200
100
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
40
Incident Energy (eV)
24-Cr-50

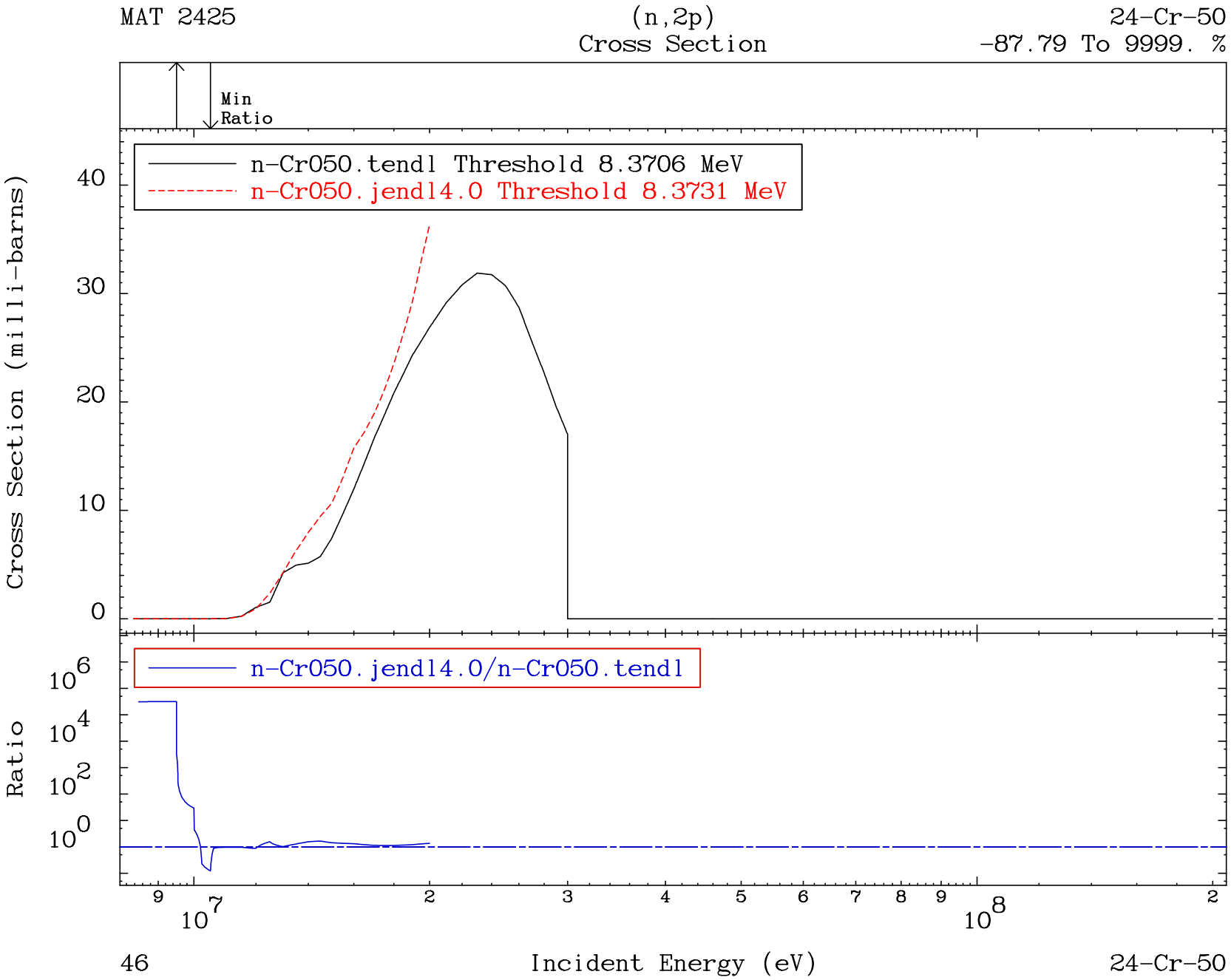

MAT 2425
(n,d)
Cross Section
24-Cr-50
-16.75 To 9999. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 7.5133 MeV
n-Cr050.jendl4.0 Threshold 7.5157 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^9
10^6
10^3
10^0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
41
Incident Energy (eV)
24-Cr-50

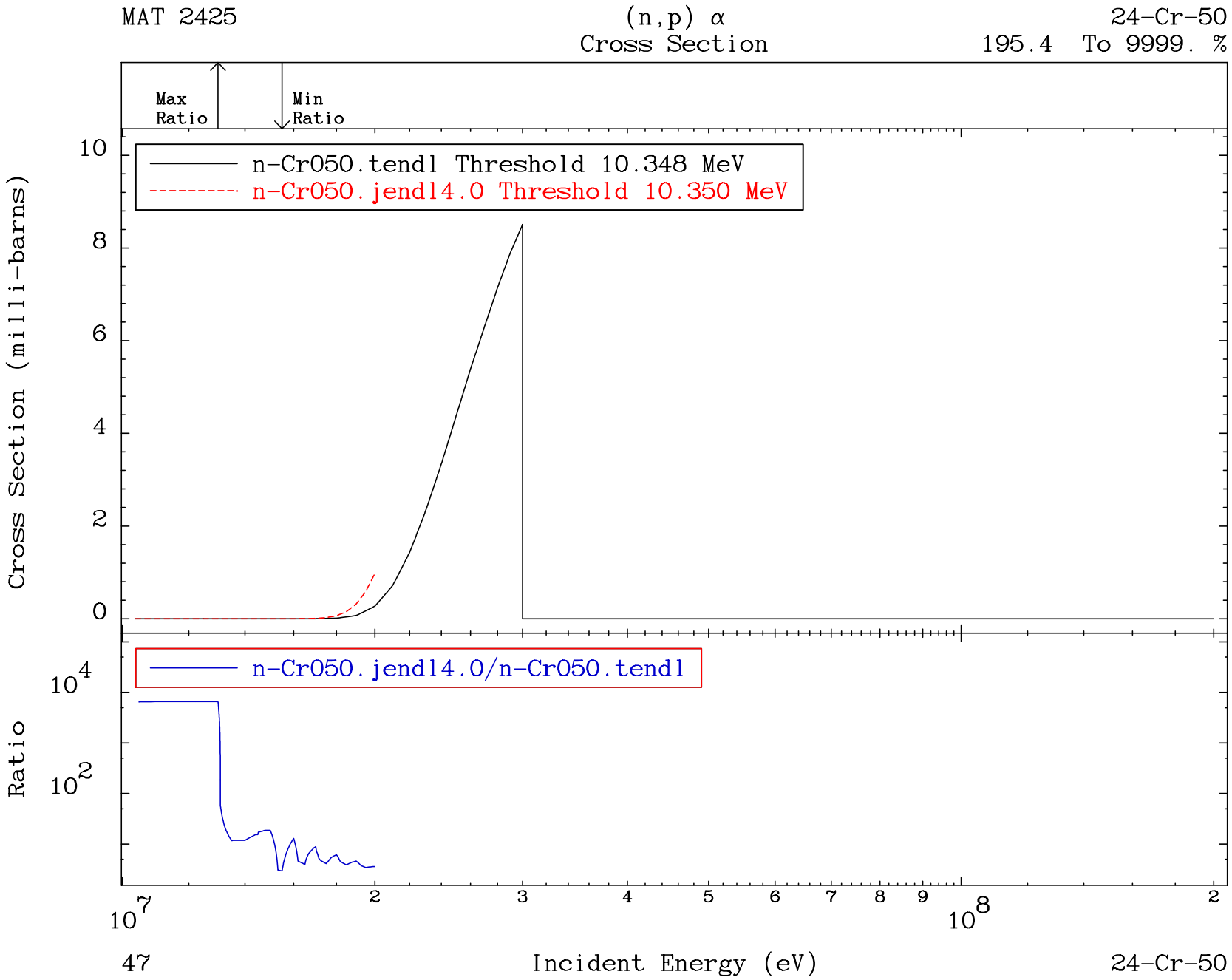

MAT 2425
(n,t)
Cross Section
24-Cr-50
-38.09 To 9999. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 12.919 MeV
n-Cr050.jendl4.0 Threshold 12.919 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^6
10^3
10^0
2
3
4
5
6
7
8
9
10^8
2
42
Incident Energy (eV)
24-Cr-50

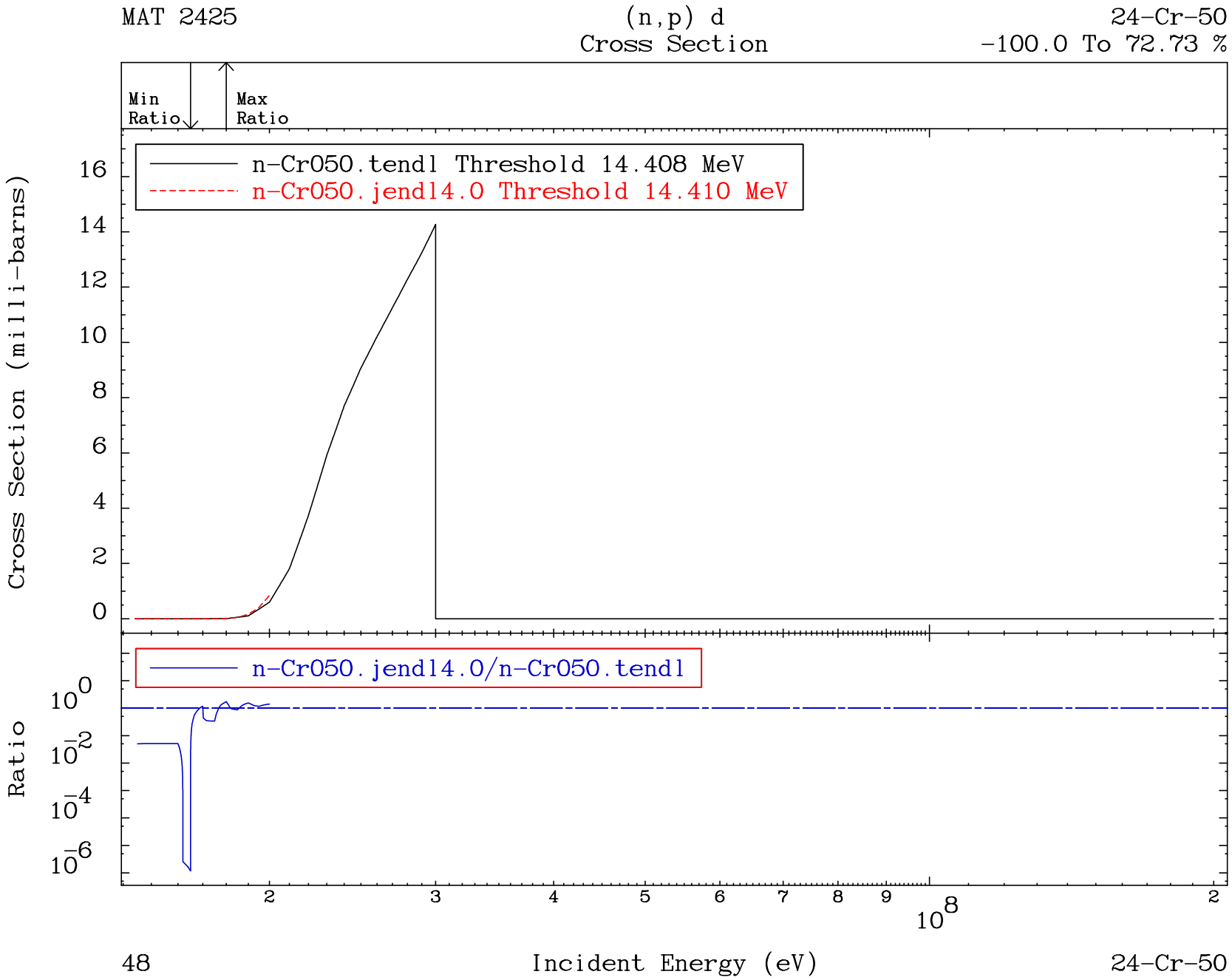

MAT 2425
(n,He-3)
Cross Section
24-Cr-50
-66.61 To 9999. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 8.8035 MeV
n-Cr050.jendl4.0 Threshold 8.8060 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^0
10^3
10^6
10^9
9
10^7
2
3
4
5
6
7
8
9
10^8
2
43
Incident Energy (eV)
24-Cr-50

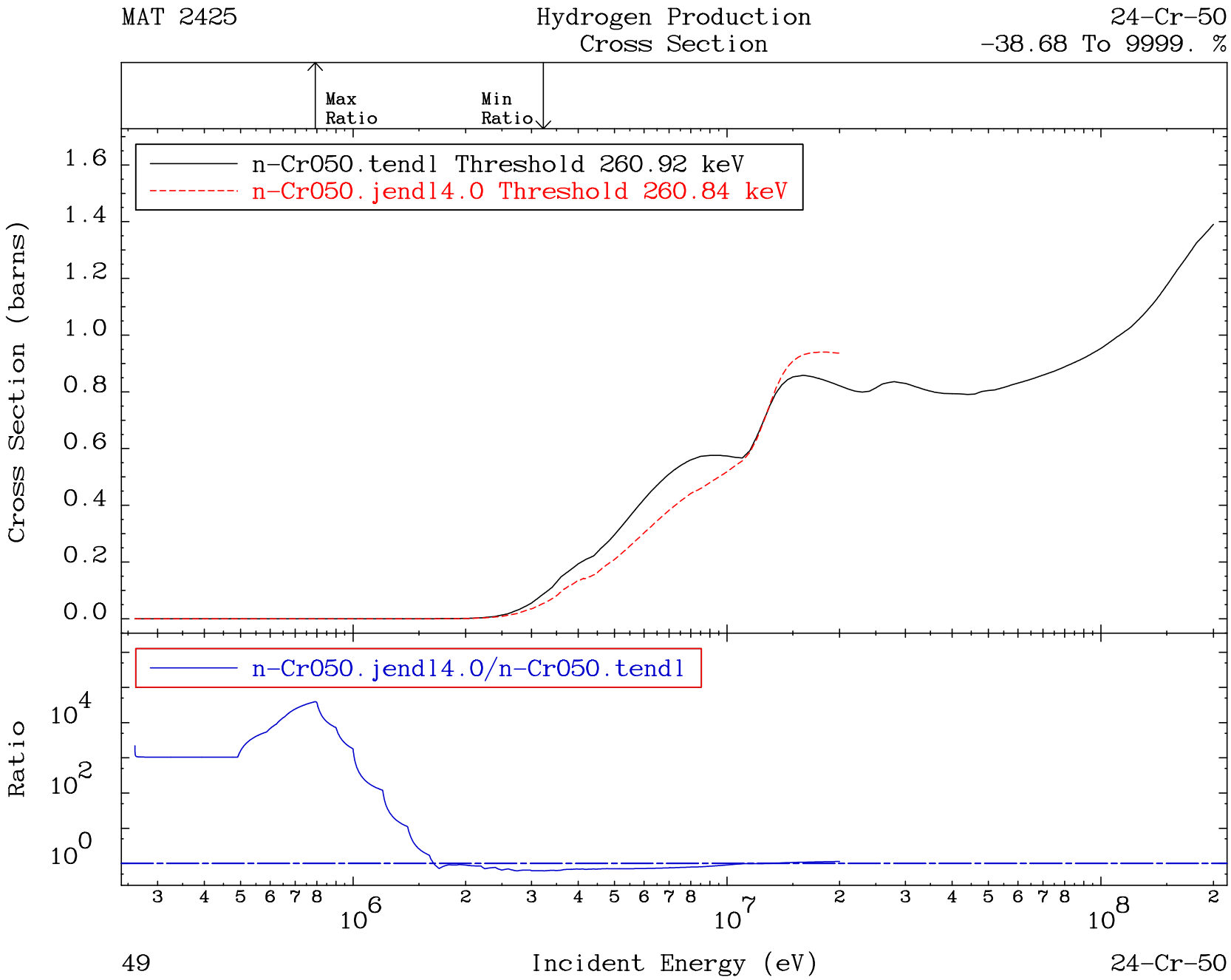

MAT 2425
(n,α)
Cross Section
24-Cr-50
-60.01 To 9999. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 792.00 keV
n-Cr050.jendl4.0 Threshold 950.21 keV
Cross Section (milli-barns)
0
20
40
60
80
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^4
10^2
10^0
8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
44
Incident Energy (eV)
24-Cr-50

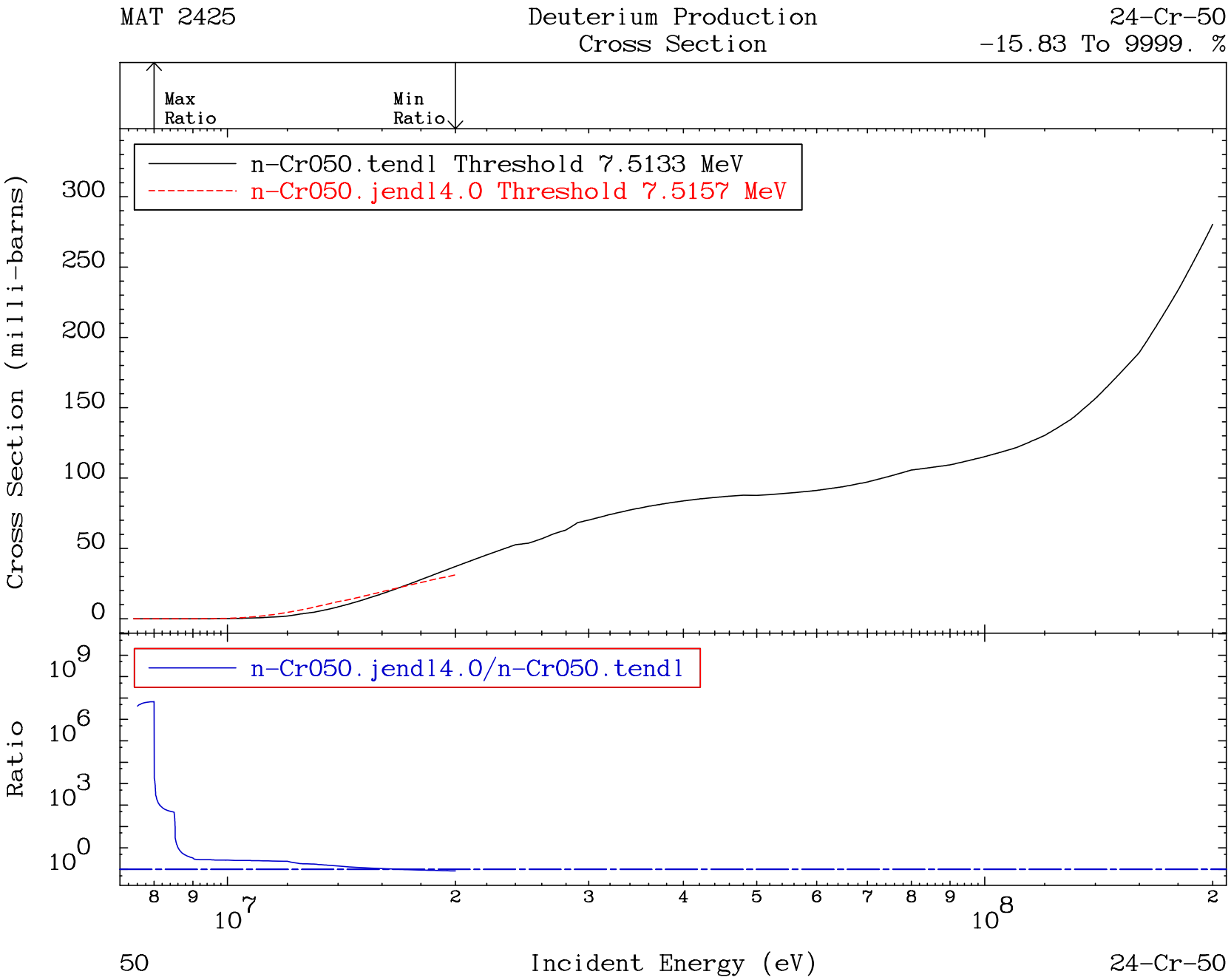

MAT 2425
(n,2α)
Cross Section
24-Cr-50
-37.71 To 9999. %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 8.8061 MeV
n-Cr050.jendl4.0 Threshold 8.8036 MeV
Cross Section (micro-barns)
250
200
150
100
50
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^2
10^1
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
45
Incident Energy (eV)
24-Cr-50

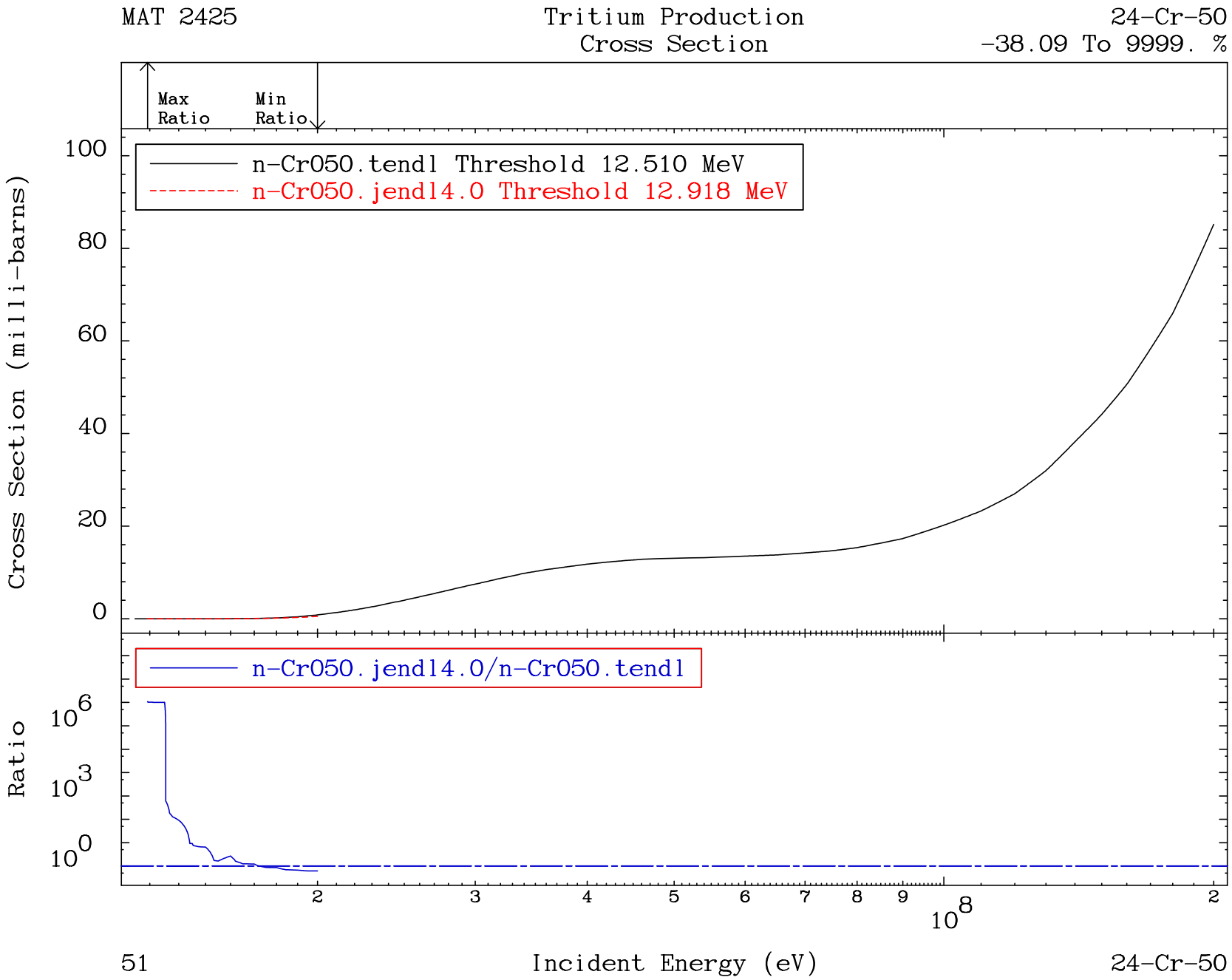

MAT 2425
(n,2p)
Cross Section
24-Cr-50
-87.79 To 9999. %
Min
Ratio
n-Cr050.tendl Threshold 8.3706 MeV
n-Cr050.jendl4.0 Threshold 8.3731 MeV
Cross Section (milli-barns)
40
30
20
10
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^6
10^4
10^2
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
46
Incident Energy (eV)
24-Cr-50

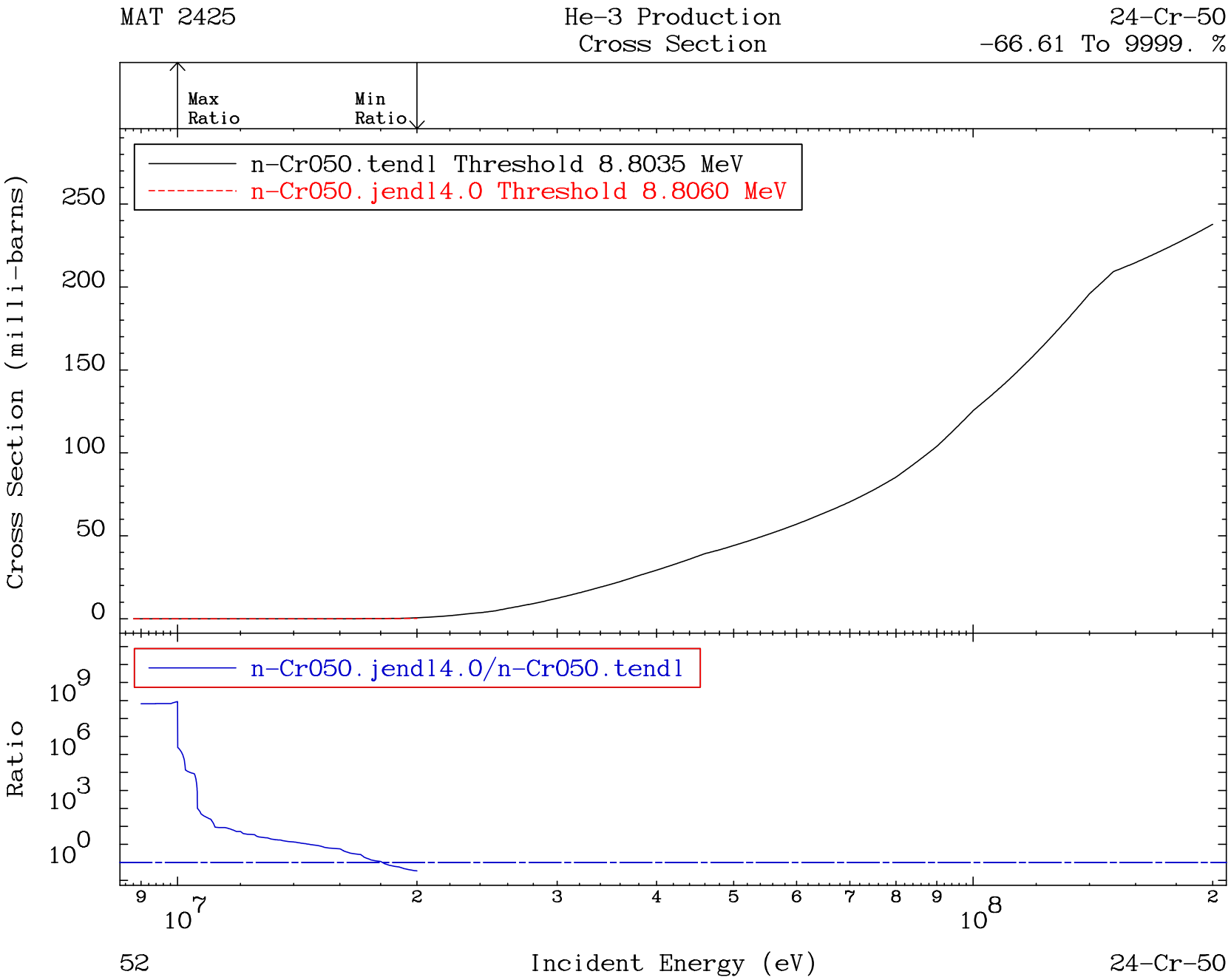

MAT 2425
(n,p) α
Cross Section
24-Cr-50
195.4 To 9999. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 10.348 MeV
n-Cr050.jendl4.0 Threshold 10.350 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^4
10^2
10^7
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
24-Cr-50

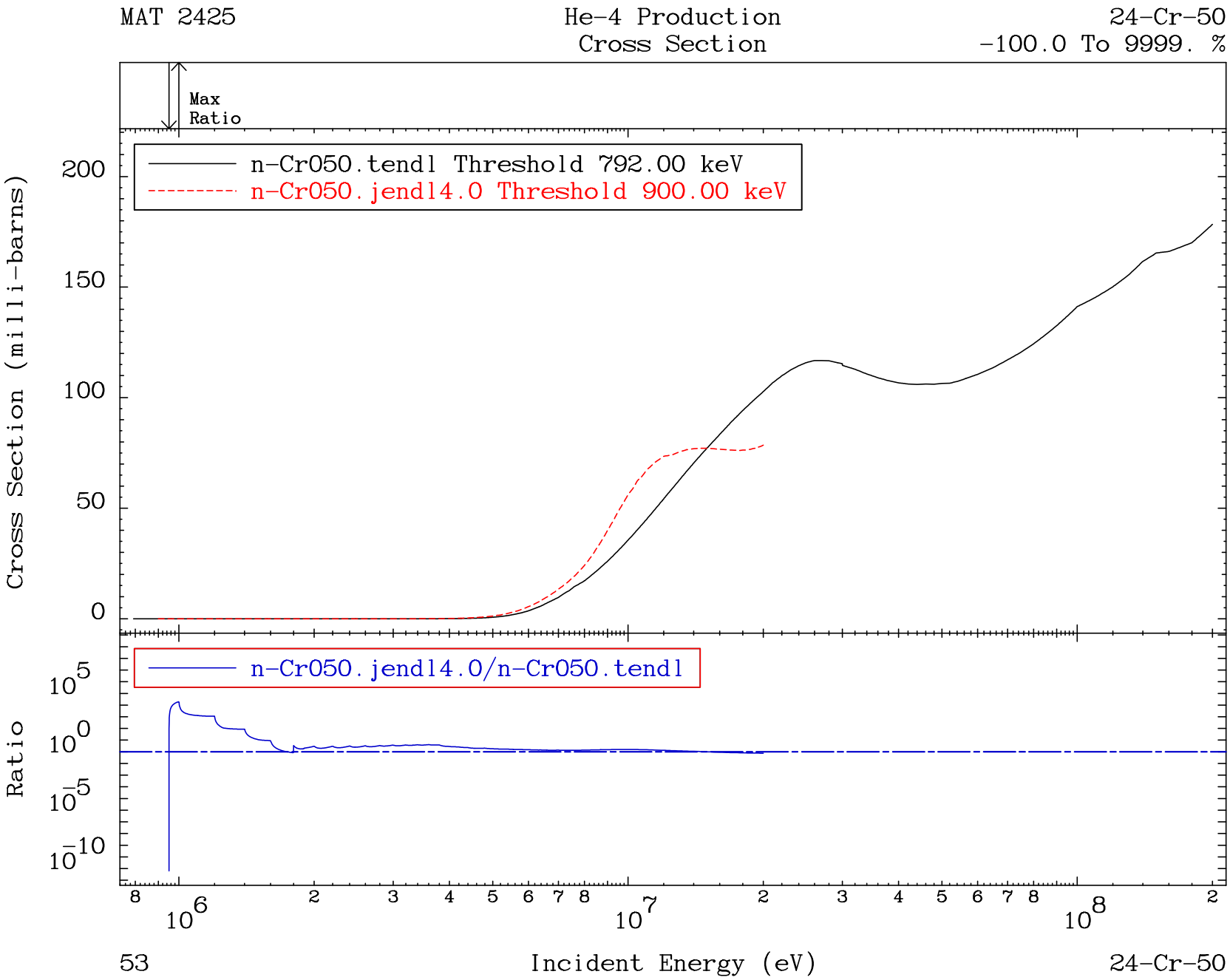

MAT 2425
(n,p) d
Cross Section
24-Cr-50
-100.0 To 72.73 %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 14.408 MeV
n-Cr050.jendl4.0 Threshold 14.410 MeV
Cross Section (milli-barns)
0
2
4
6
8
10
12
14
16
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^0
10^-2
10^-4
10^-6
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
24-Cr-50

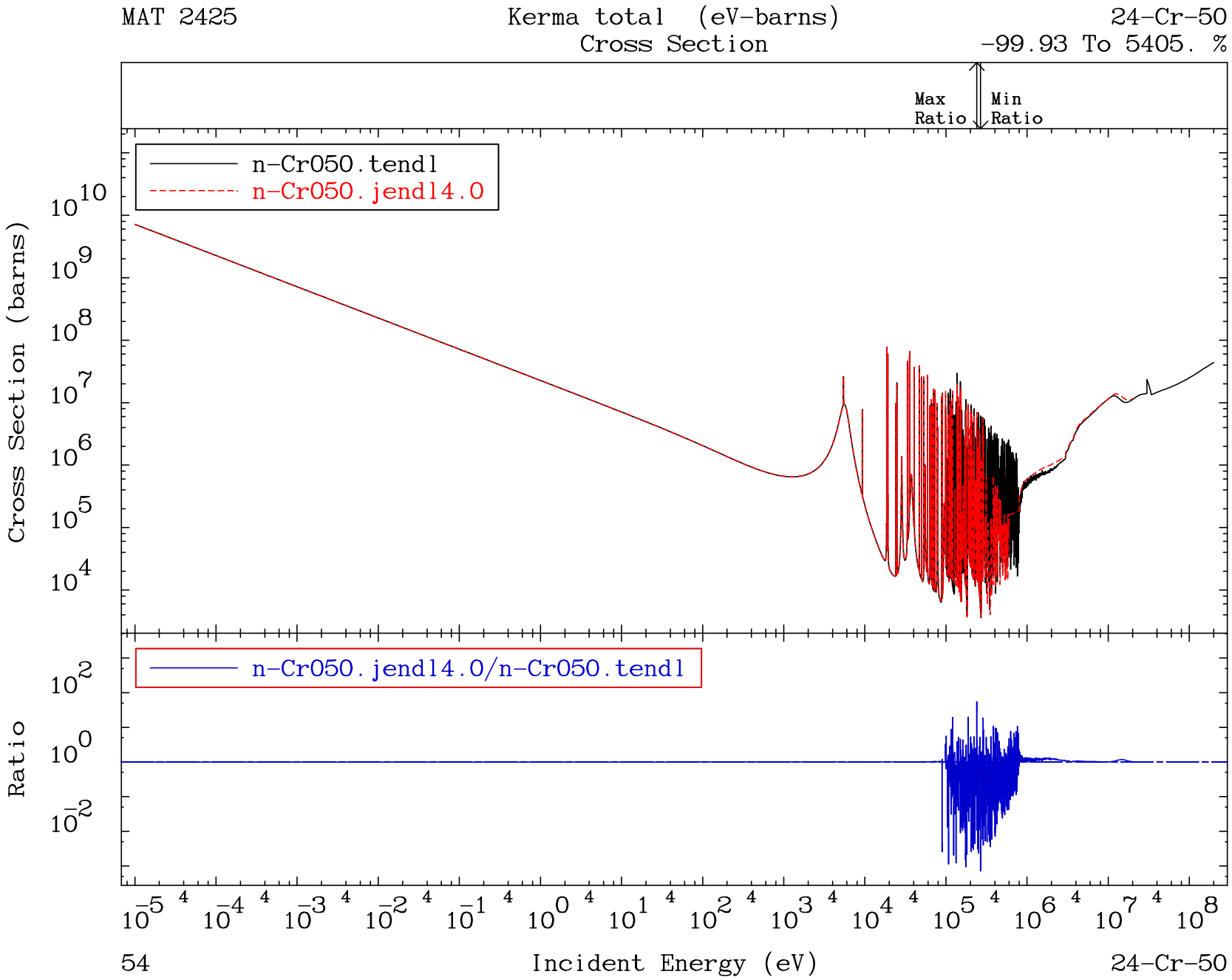

MAT 2425
Hydrogen Production
Cross Section
24-Cr-50
-38.68 To 9999. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 260.92 keV
n-Cr050.jendl4.0 Threshold 260.84 keV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^4
10^2
10^0
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
49
Incident Energy (eV)
24-Cr-50

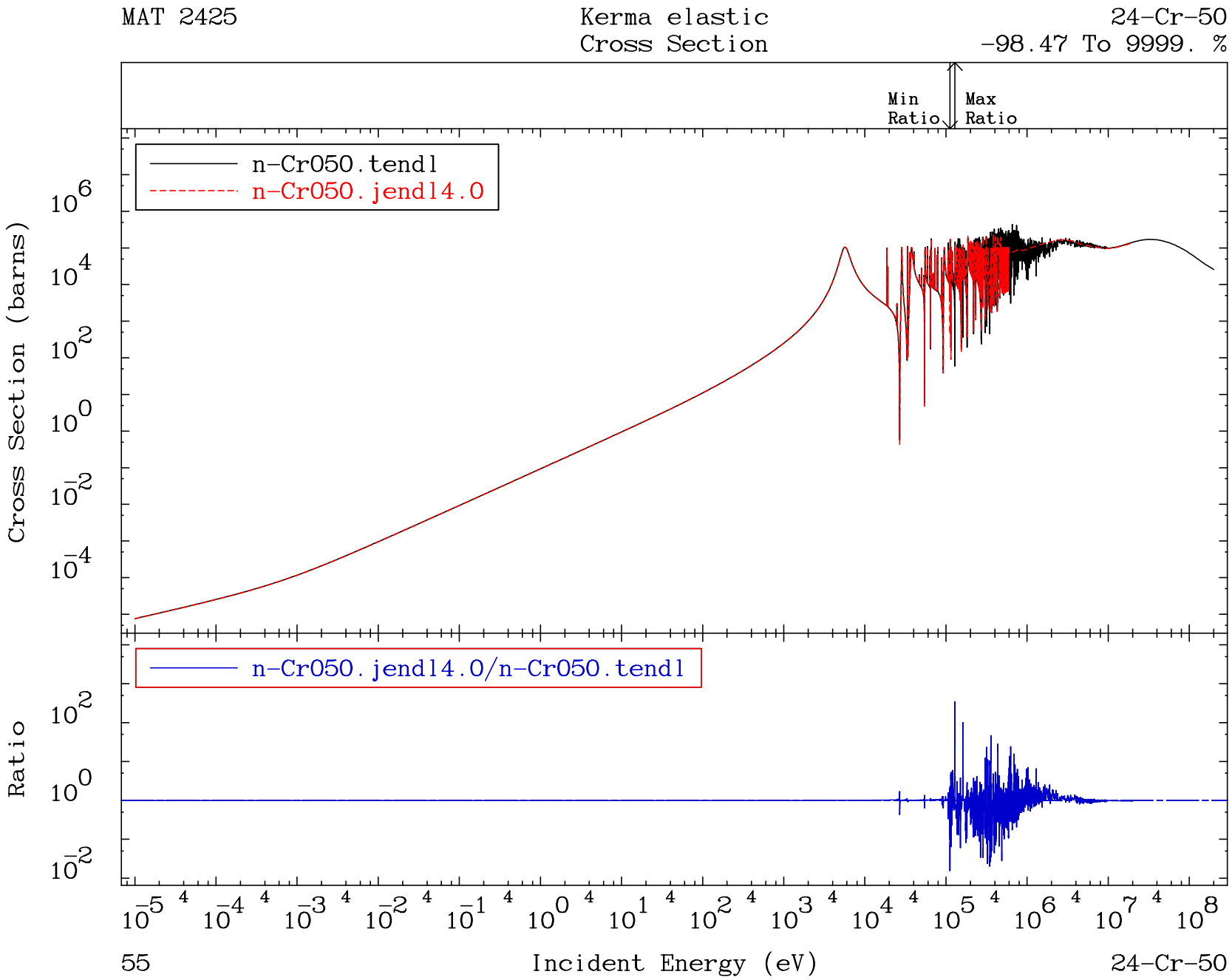

MAT 2425
Deuterium Production
Cross Section
24-Cr-50
-15.83 To 9999. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 7.5133 MeV
n-Cr050.jendl4.0 Threshold 7.5157 MeV
Cross Section (milli-barns)
300
250
200
150
100
50
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^9
10^6
10^3
10^0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
50
Incident Energy (eV)
24-Cr-50

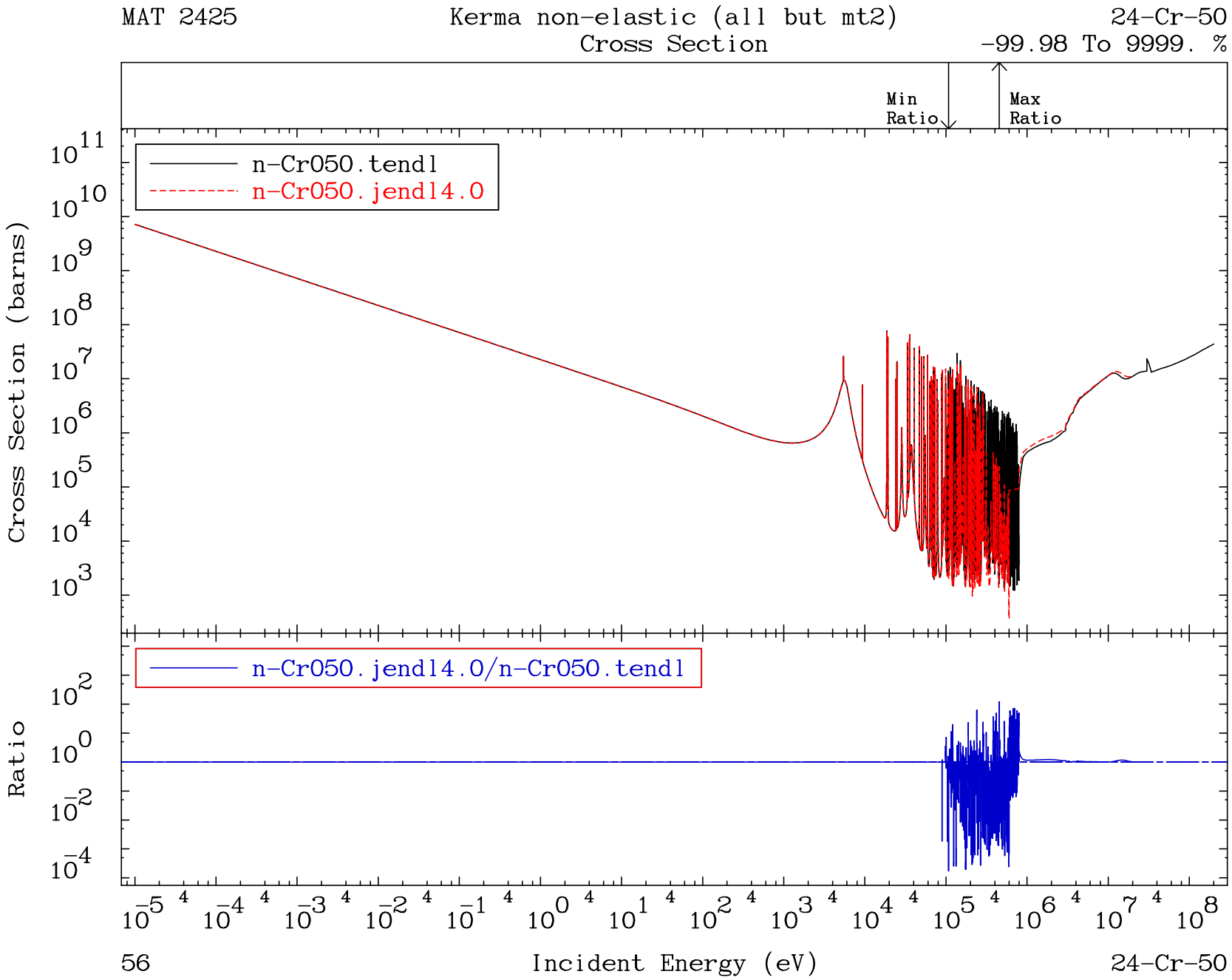

MAT 2425
Tritium Production
Cross Section
24-Cr-50
-38.09 To 9999. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 12.510 MeV
n-Cr050.jendl4.0 Threshold 12.918 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^6
10^3
10^0
2
3
4
5
6
7
8
9
10^8
2
51
Incident Energy (eV)
24-Cr-50

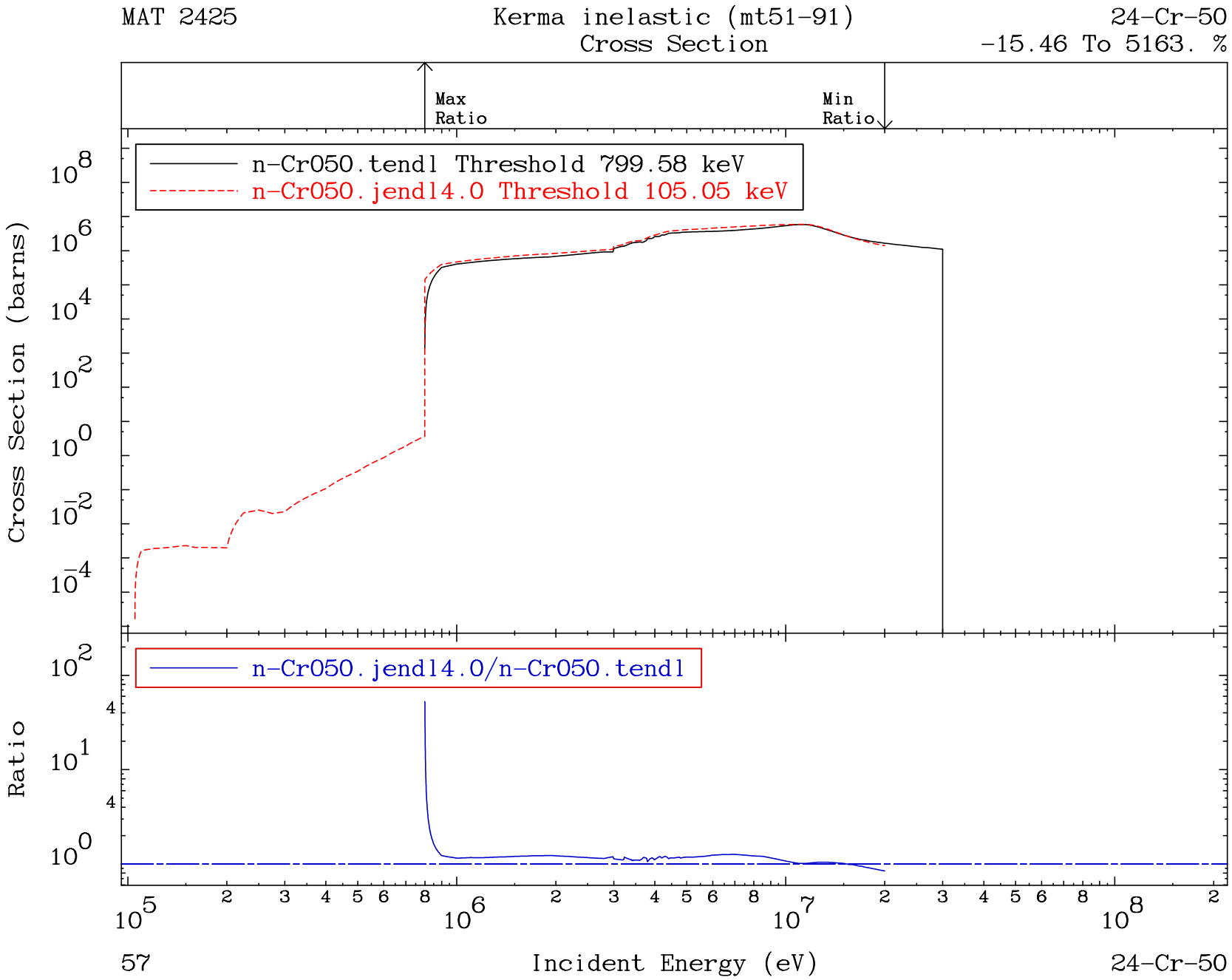

MAT 2425
He-3 Production
Cross Section
24-Cr-50
-66.61 To 9999. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 8.8035 MeV
n-Cr050.jendl4.0 Threshold 8.8060 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^9
10^6
10^3
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
52
Incident Energy (eV)
24-Cr-50

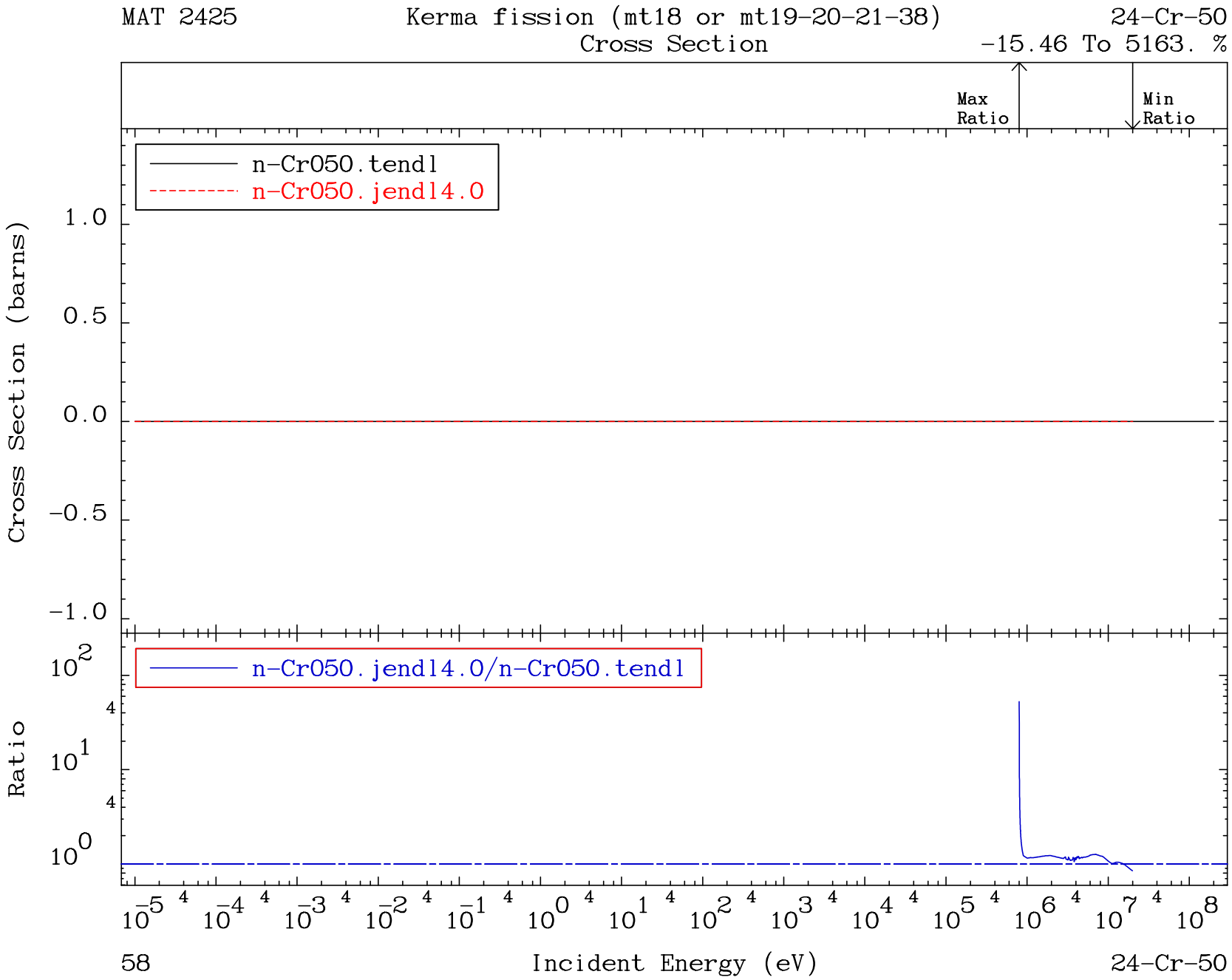

MAT 2425
He-4 Production
Cross Section
24-Cr-50
-100.0 To 9999. %
Max
Ratio
n-Cr050.tendl Threshold 792.00 keV
n-Cr050.jendl4.0 Threshold 900.00 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^5
10^0
10^-5
10^-10
8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
53
Incident Energy (eV)
24-Cr-50

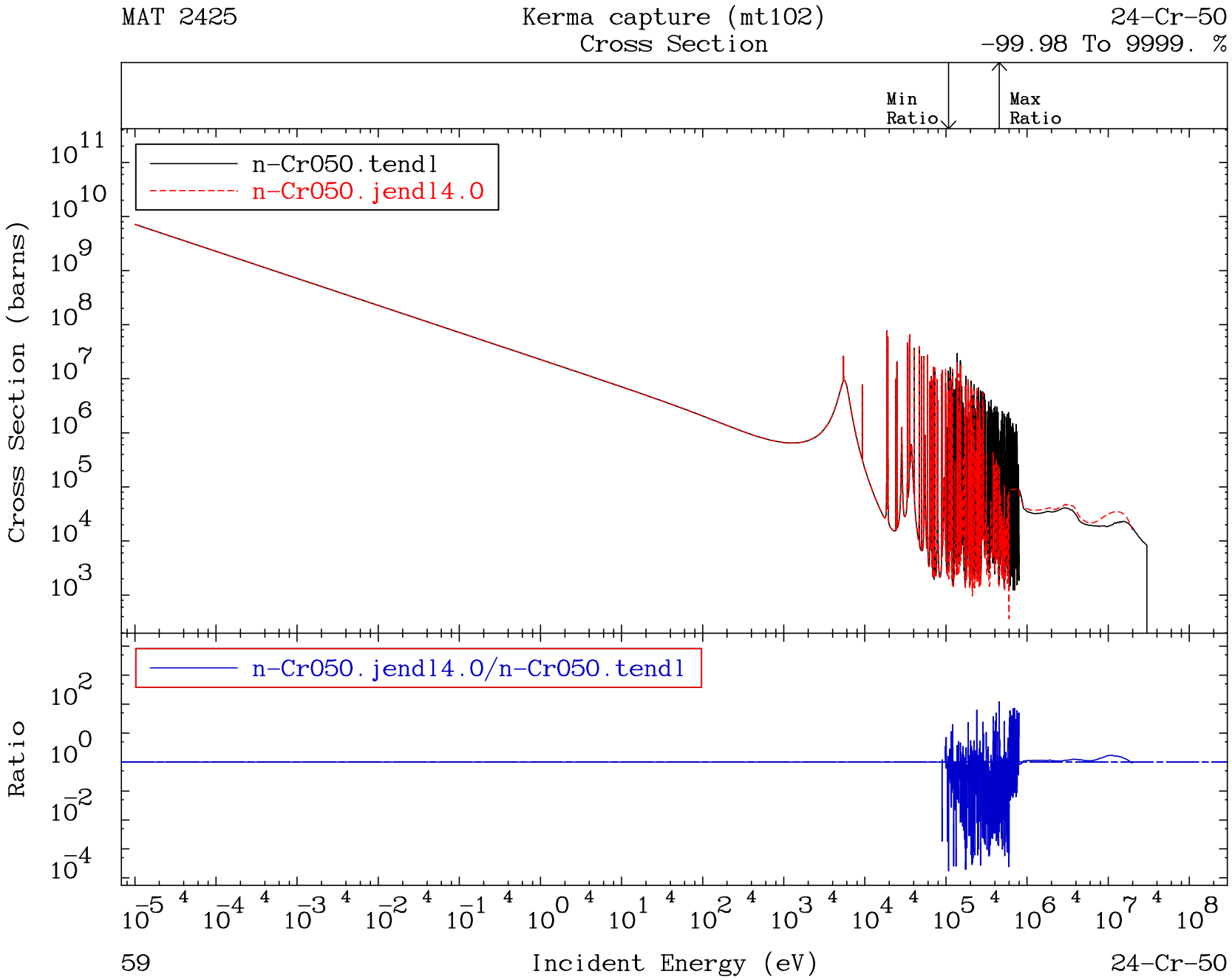

MAT 2425
Kerma total (eV-barns)
Cross Section
24-Cr-50
-99.93 To 5405. %
Max Ratio
Min Ratio
n-Cr050.tendl
n-Cr050.jendl4.0
Cross Section (barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
Incident Energy (eV)
54
24-Cr-50

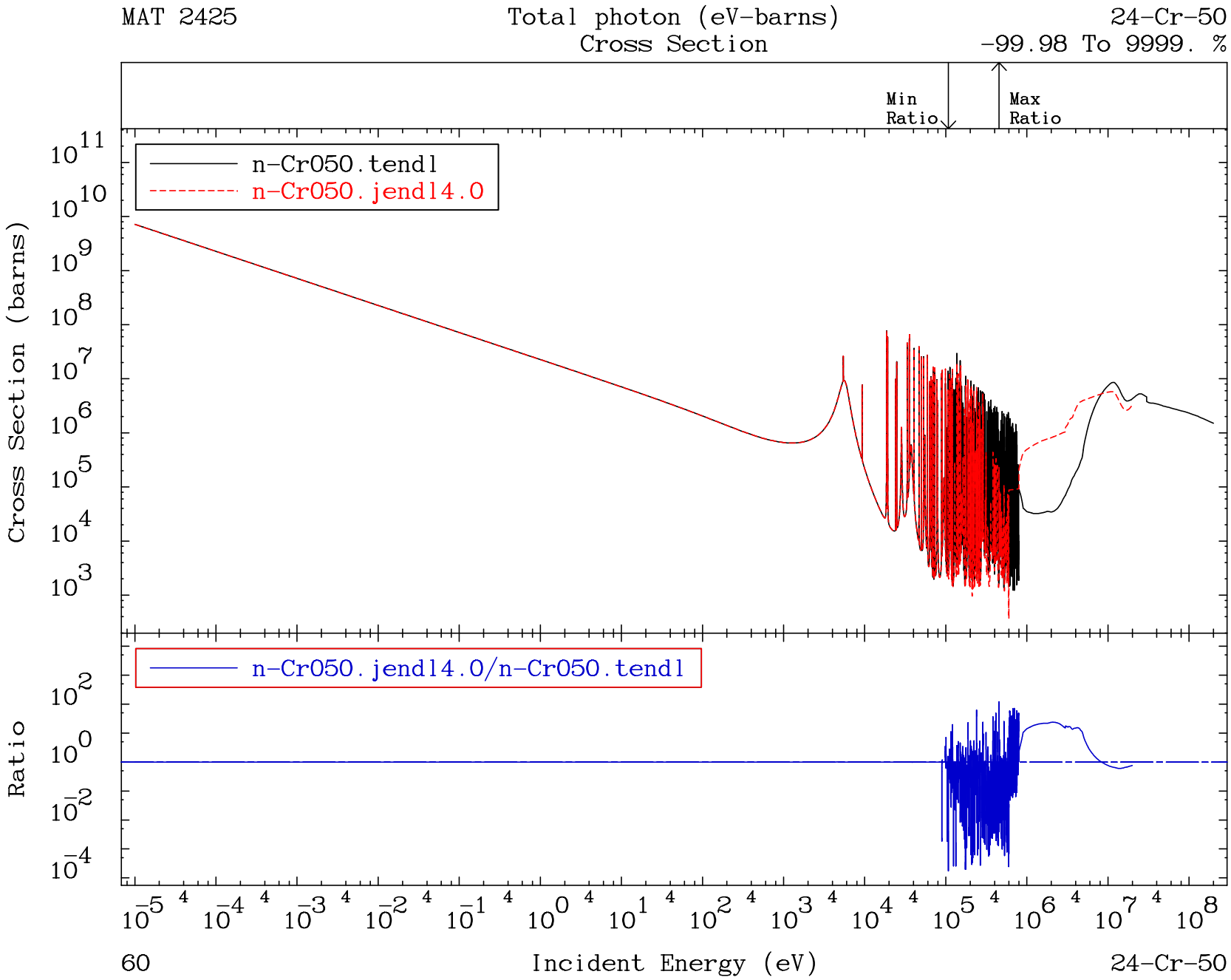

MAT 2425
Kerma elastic
Cross Section
24-Cr-50
-98.47 To 9999. %
Min Ratio
Max Ratio
n-Cr050.tendl
n-Cr050.jendl4.0
Cross Section (barns)
Ratio
n-Cr050.jendl4.0/n-Cr050.tendl
Incident Energy (eV)
55
24-Cr-50

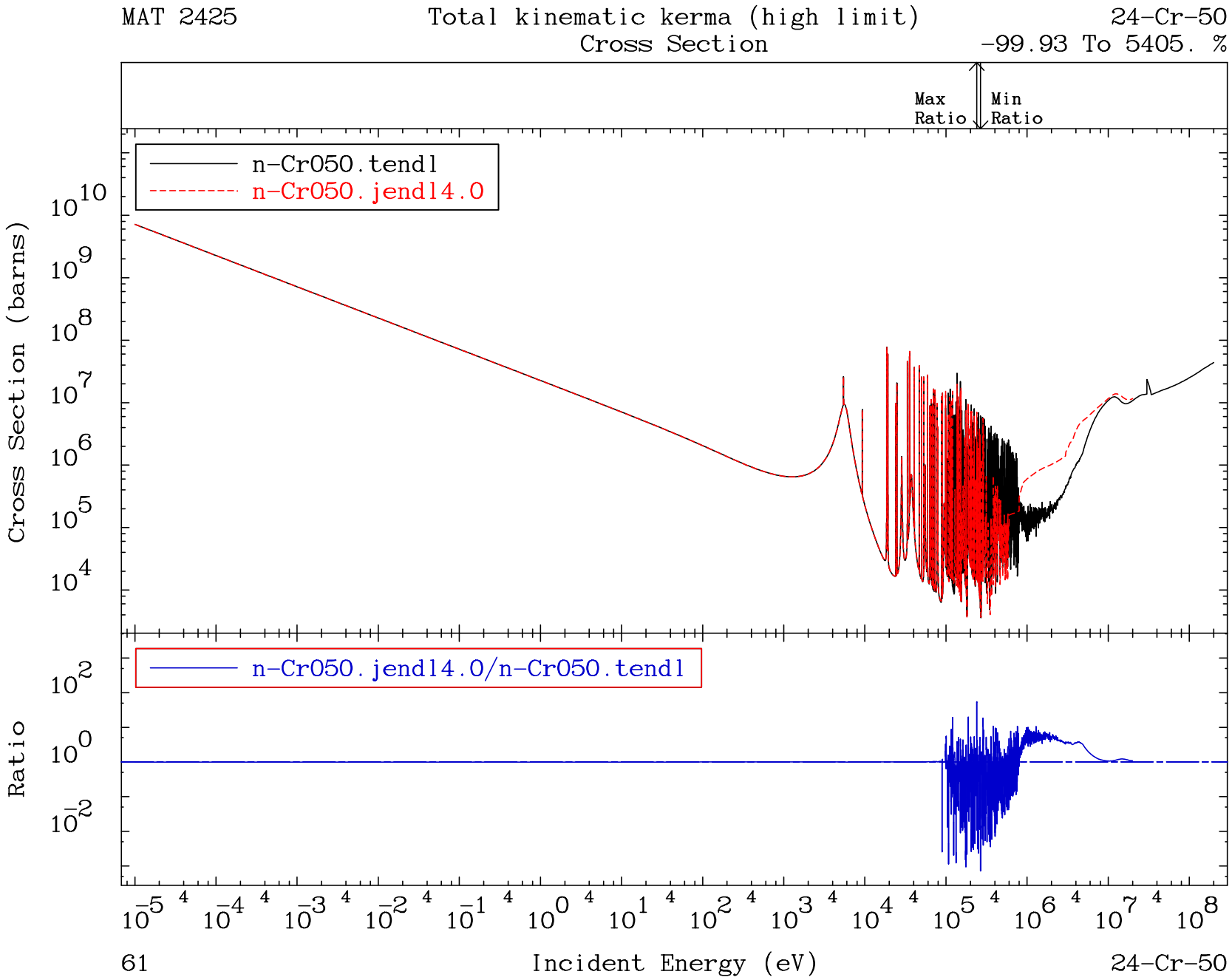

MAT 2425
Kerma non-elastic (all but mt2)
Cross Section
24-Cr-50
-99.98 To 9999. %
Min Ratio
Max Ratio
n-Cr050.tendl
n-Cr050.jendl4.0
Cross Section (barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
Incident Energy (eV)
56
24-Cr-50

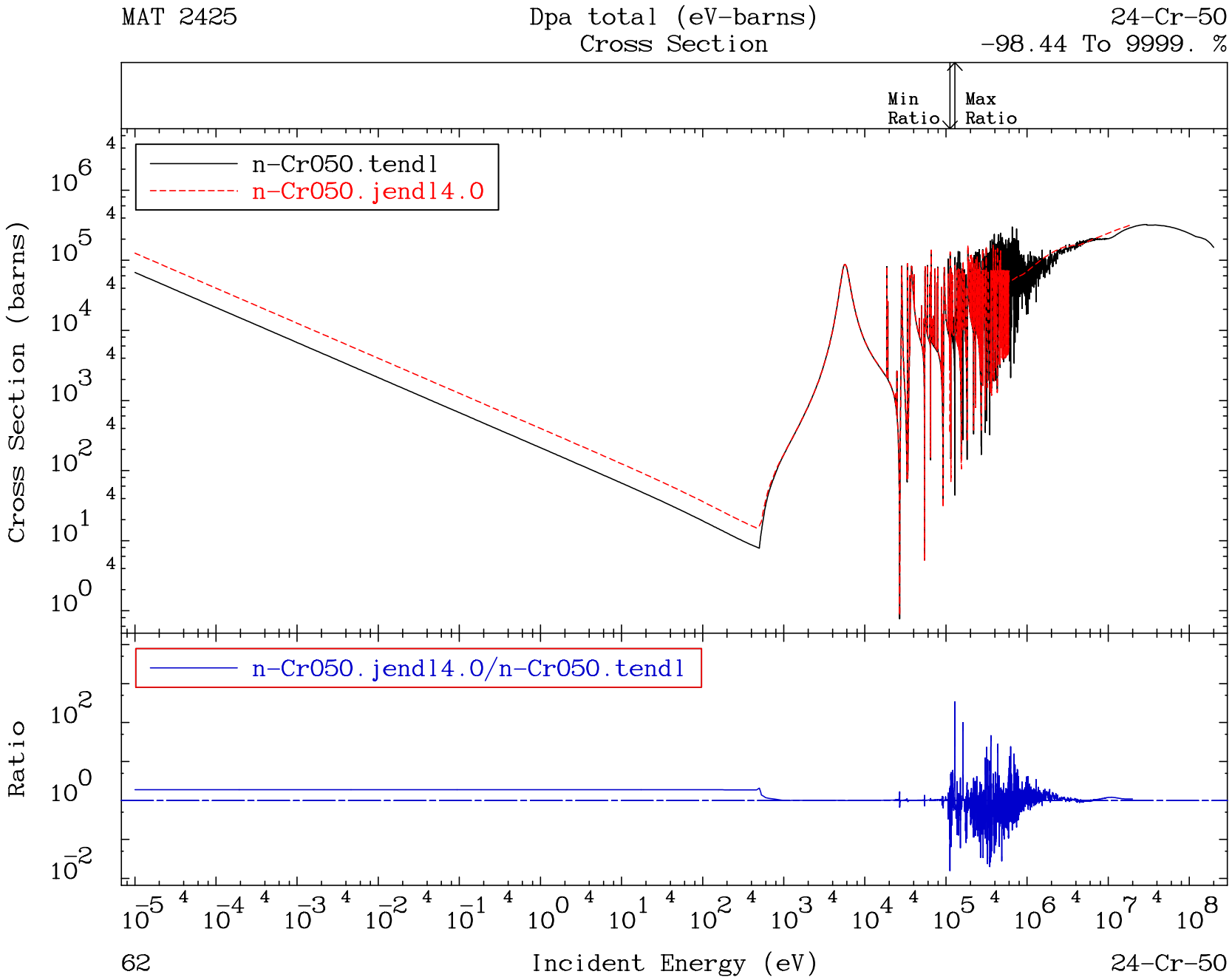

MAT 2425
Kerma inelastic (mt51-91)
Cross Section
24-Cr-50
-15.46 To 5163. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 799.58 keV
n-Cr050.jendl4.0 Threshold 105.05 keV
Cross Section (barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
Incident Energy (eV)
57
24-Cr-50

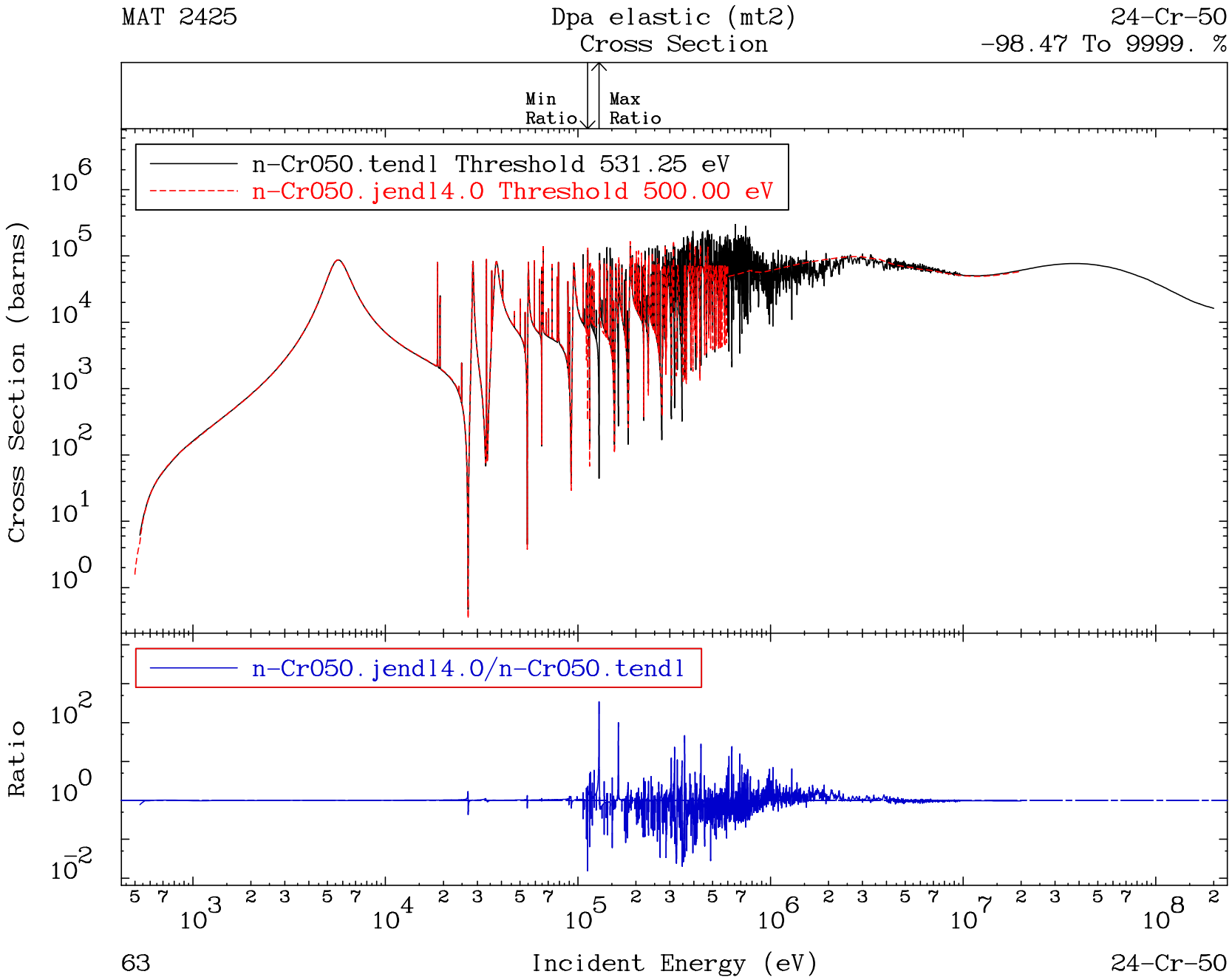

MAT 2425
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
24-Cr-50
-15.46 To 5163. %
Max Ratio
Min Ratio
n-Cr050.tendl
n-Cr050.jendl4.0
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
10^2
10^1
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
58
Incident Energy (eV)
24-Cr-50

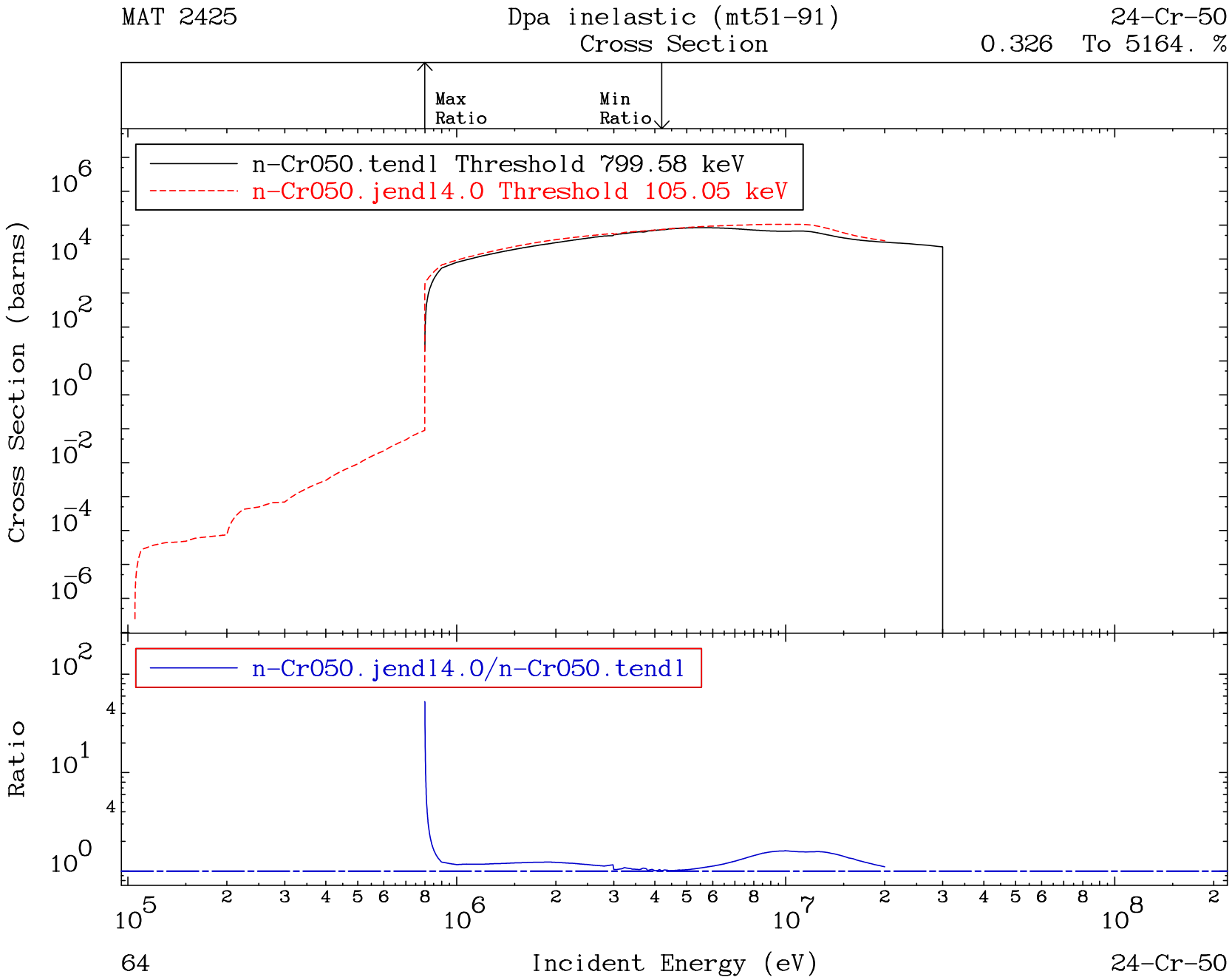

MAT 2425
Kerma capture (mt102)
Cross Section
24-Cr-50
-99.98 To 9999. %
Min Ratio
Max Ratio
n-Cr050.tendl
n-Cr050.jendl4.0
Cross Section (barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
59
Incident Energy (eV)
24-Cr-50

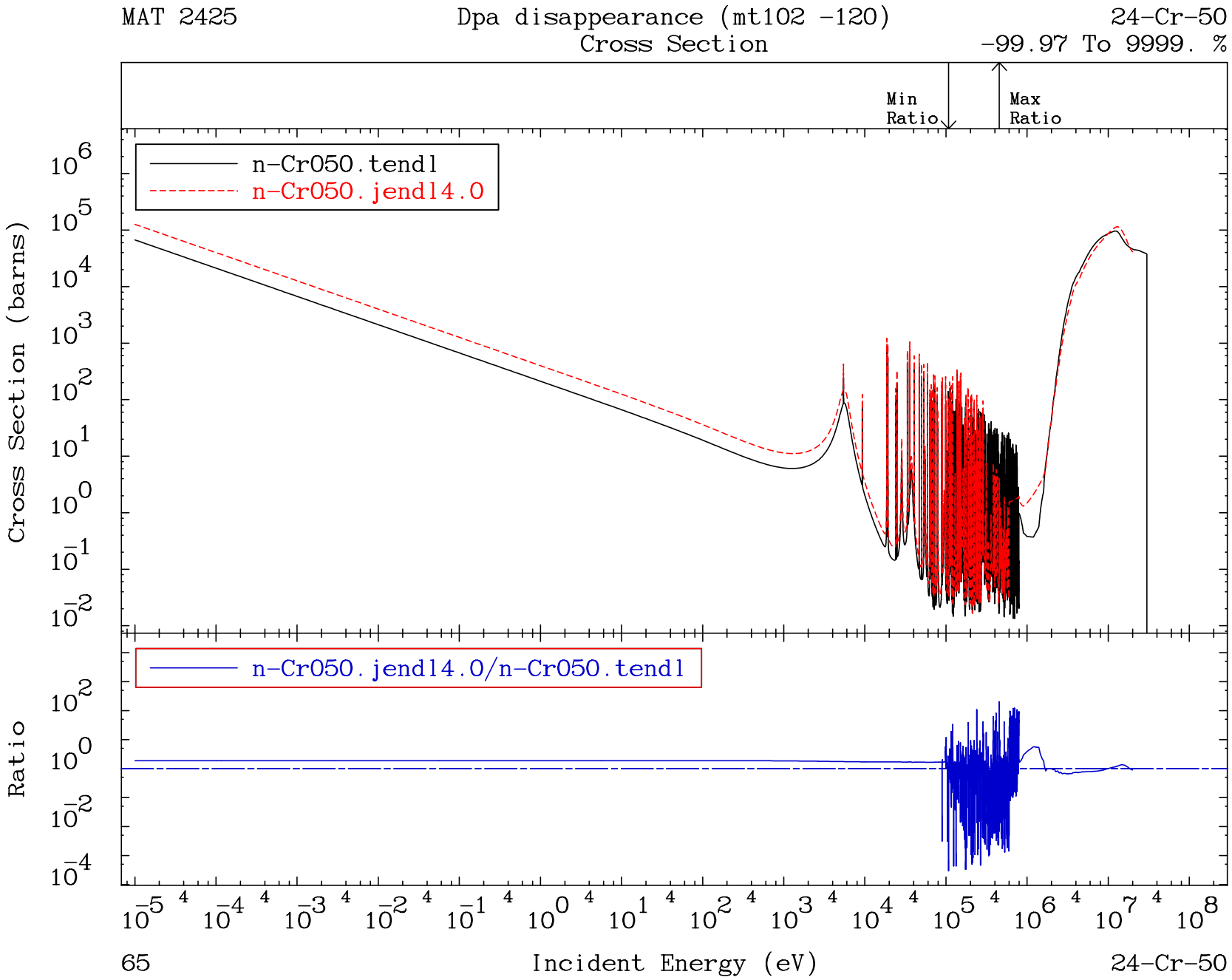

MAT 2425
Total photon (eV-barns)
Cross Section
24-Cr-50
-99.98 To 9999. %
Min Ratio
Max Ratio
n-Cr050.tendl
n-Cr050.jendl4.0
Cross Section (barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
Incident Energy (eV)
60
24-Cr-50


MAT 2425
Total kinematic kerma (high limit)
Cross Section
24-Cr-50
-99.93 To 5405. %
Max Ratio
Min Ratio
n-Cr050.tendl
n-Cr050.jendl4.0
Cross Section (barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
Incident Energy (eV)
61
24-Cr-50


MAT 2425
Dpa total (eV-barns)
Cross Section
24-Cr-50
-98.44 To 9999. %
Min Ratio
Max Ratio
n-Cr050.tendl
n-Cr050.jendl4.0
Cross Section (barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
62
Incident Energy (eV)
24-Cr-50


MAT 2425
Dpa elastic (mt2)
Cross Section
24-Cr-50
-98.47 To 9999. %
Min Ratio
Max Ratio
n-Cr050.tendl Threshold 531.25 eV
n-Cr050.jendl4.0 Threshold 500.00 eV
Cross Section (barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
Incident Energy (eV)
63
24-Cr-50


MAT 2425
Dpa inelastic (mt51-91)
Cross Section
24-Cr-50
0.326 To 5164. %
Max Ratio
Min Ratio
n-Cr050.tendl Threshold 799.58 keV
n-Cr050.jendl4.0 Threshold 105.05 keV
Cross Section (barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
Incident Energy (eV)
64
24-Cr-50


MAT 2425
Dpa disappearance (mt102 -120)
Cross Section
24-Cr-50
-99.97 To 9999. %
Min Ratio
Max Ratio
n-Cr050.tendl
n-Cr050.jendl4.0
Cross Section (barns)
n-Cr050.jendl4.0/n-Cr050.tendl
Ratio
Incident Energy (eV)
65
24-Cr-50