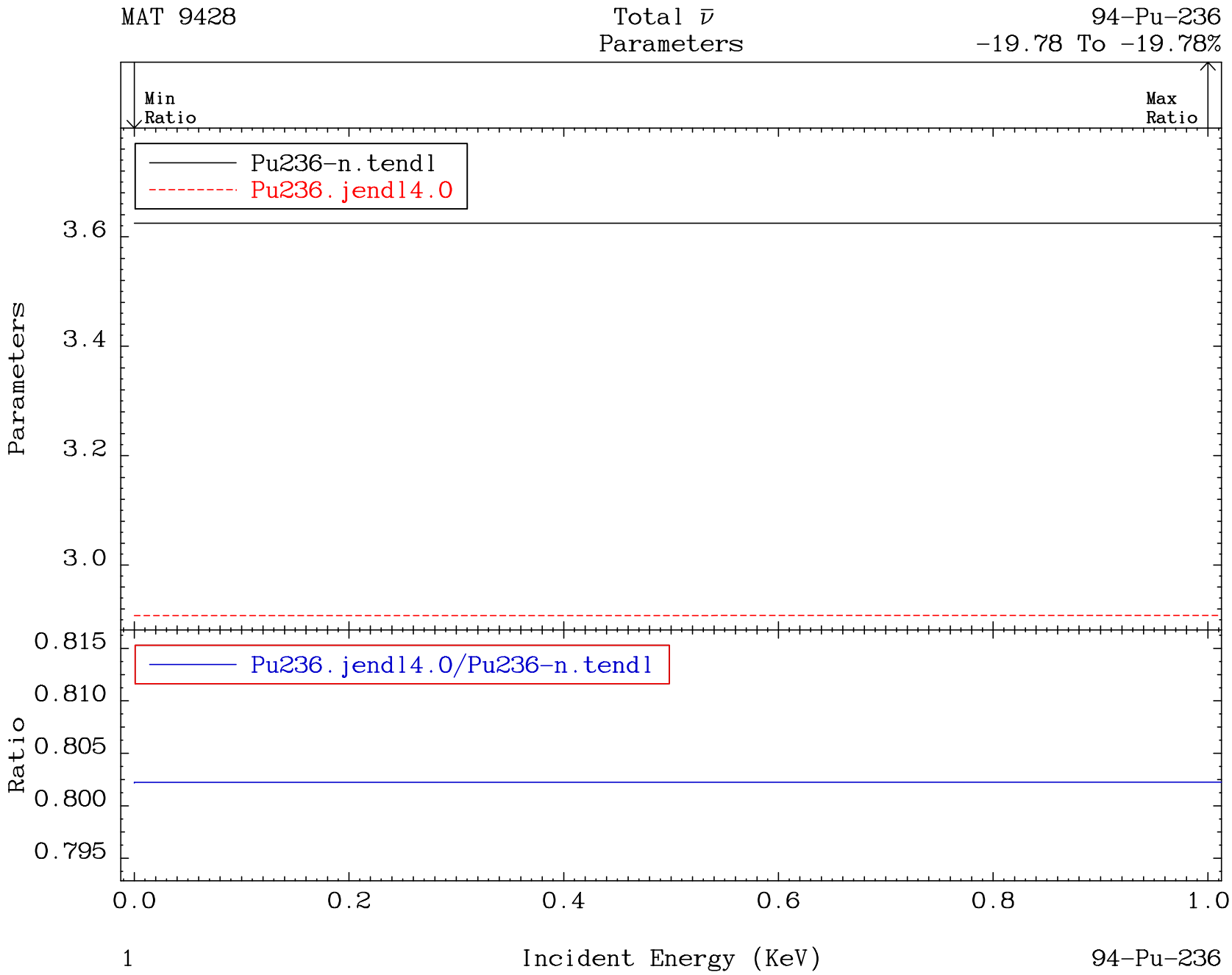
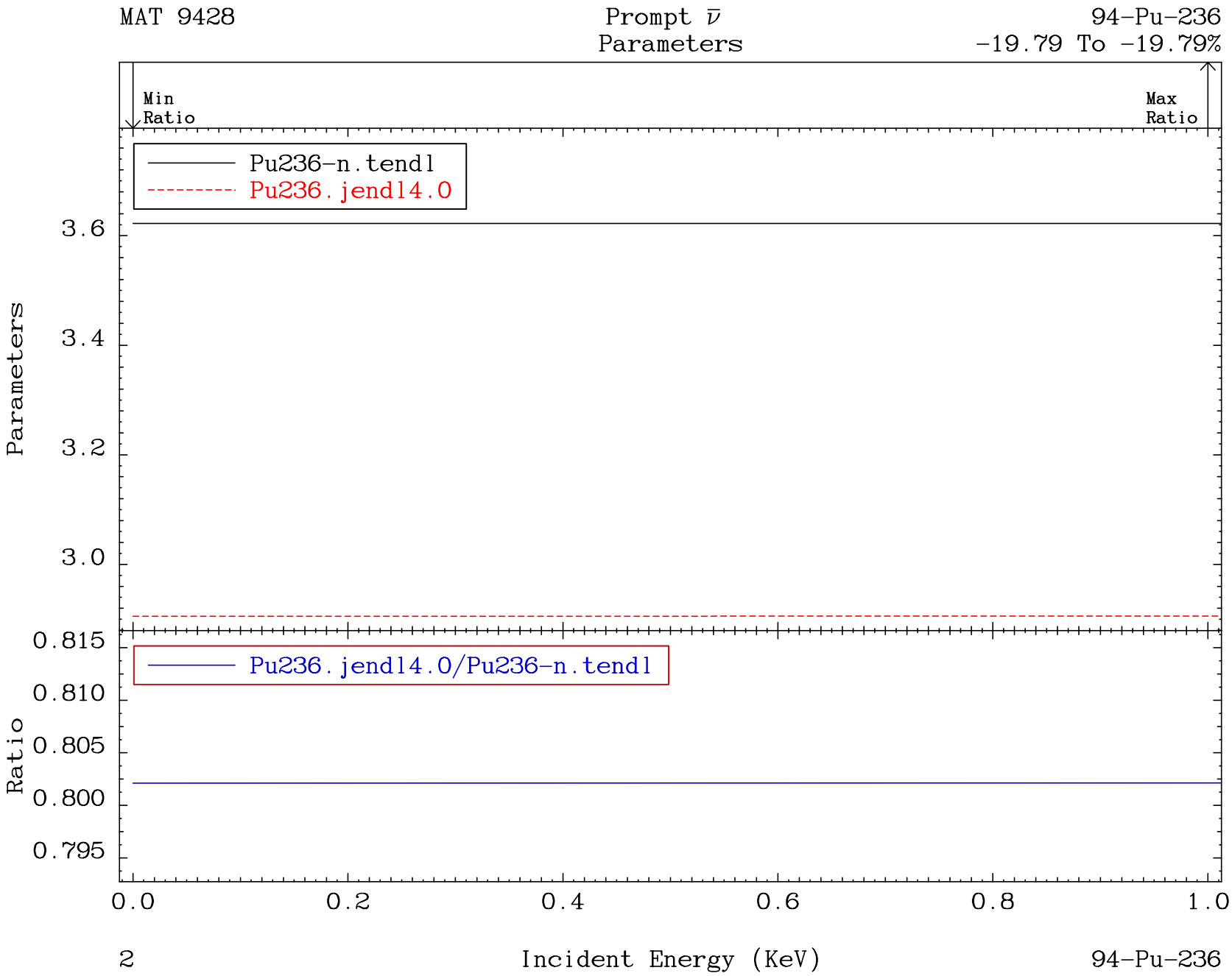
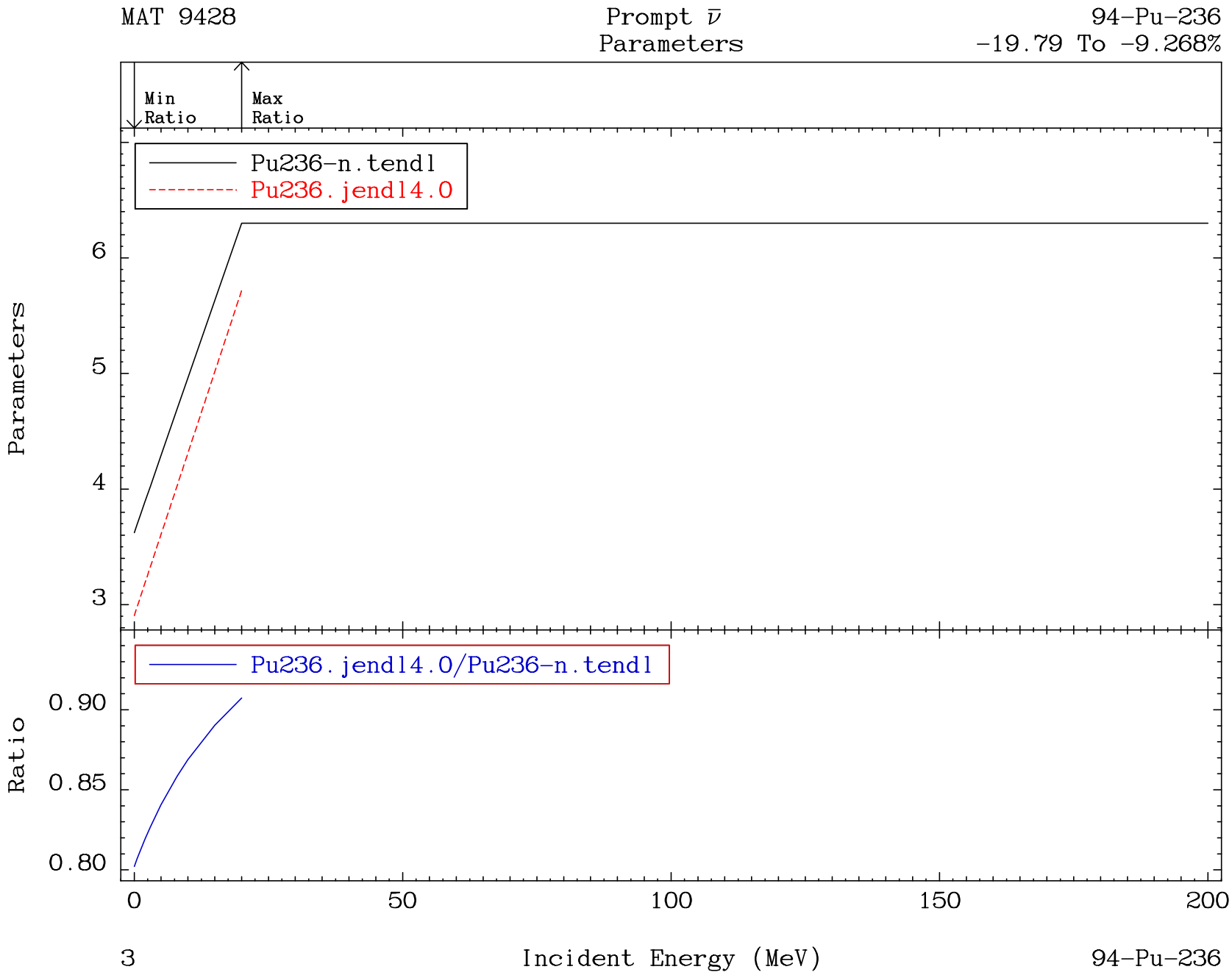
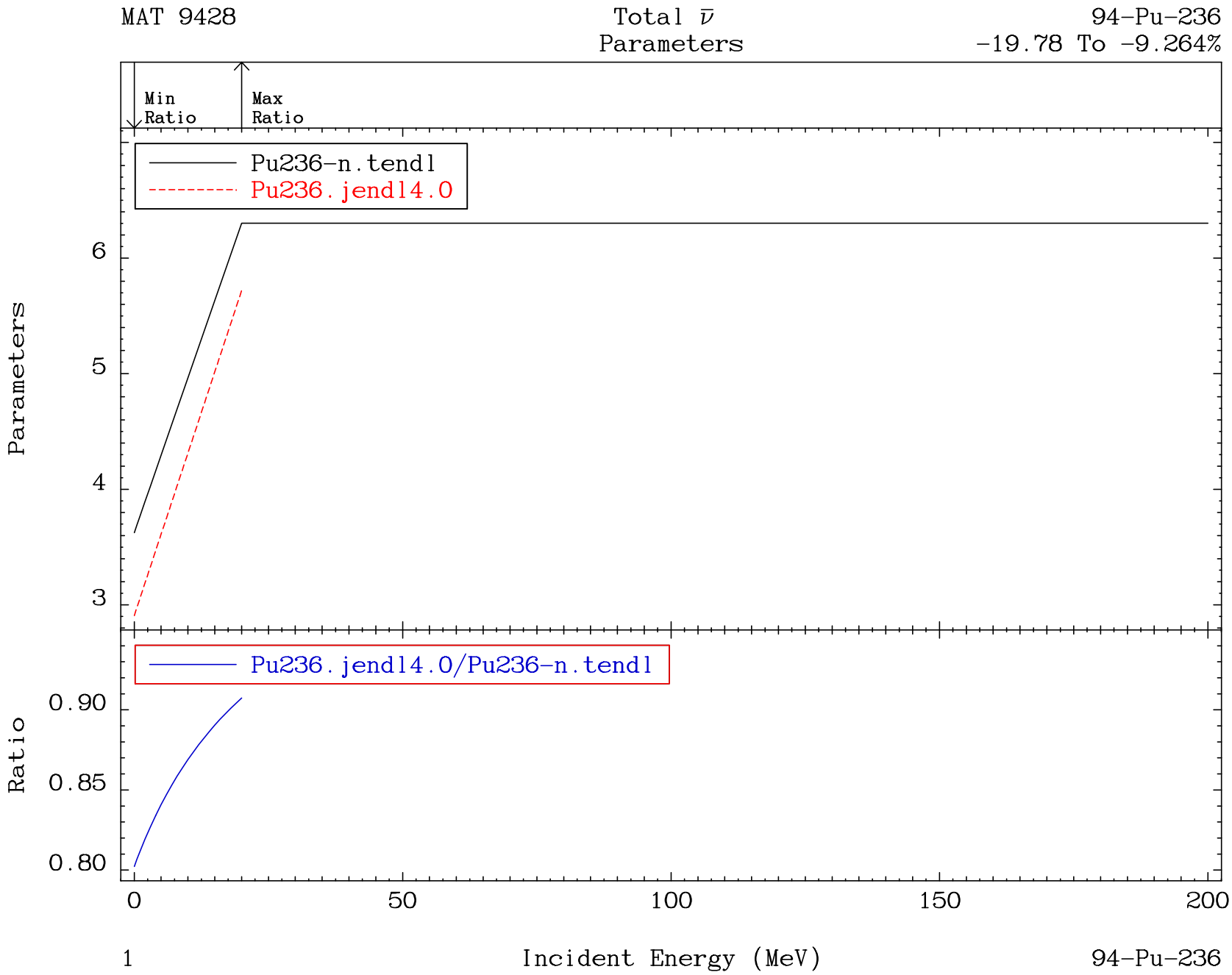
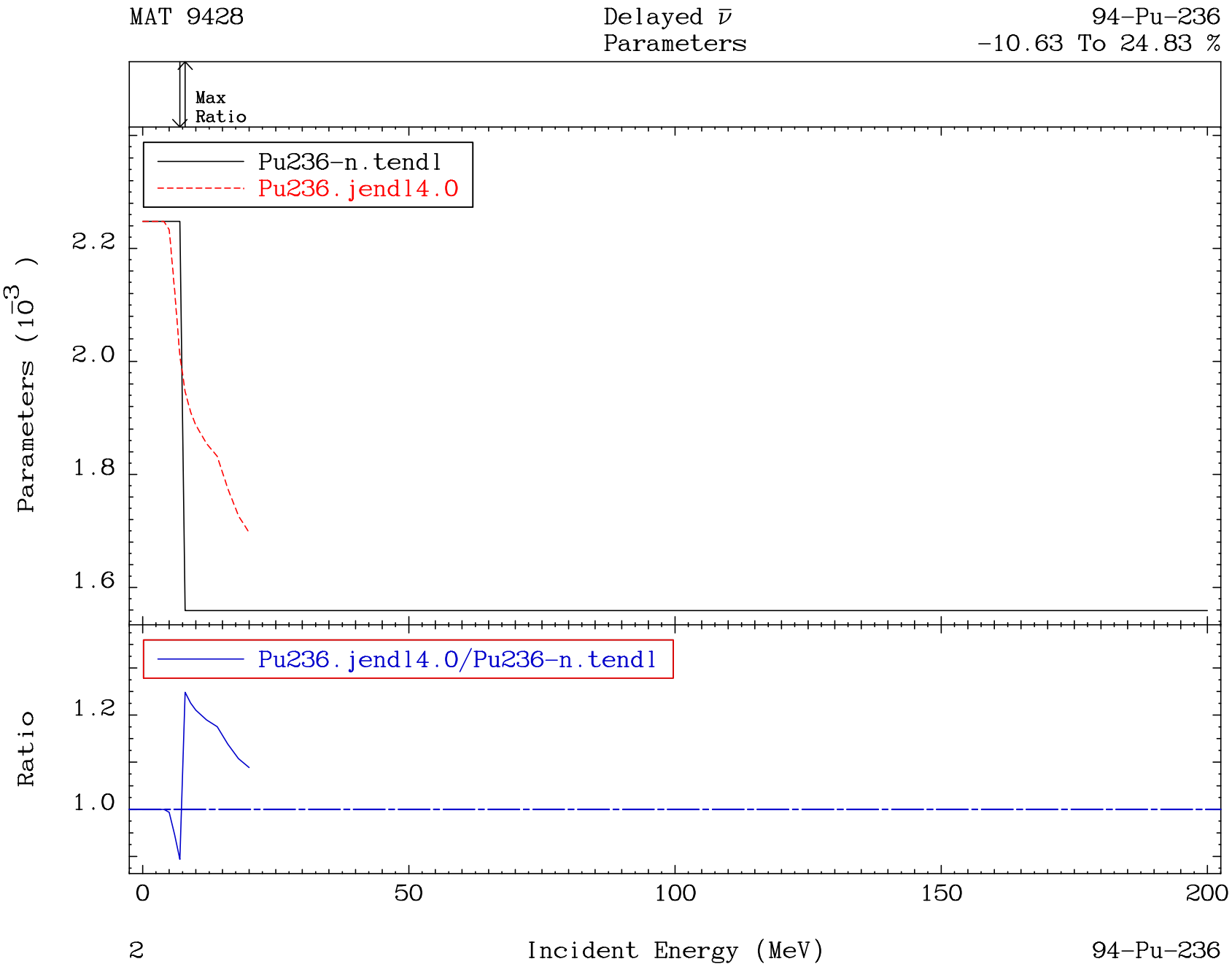
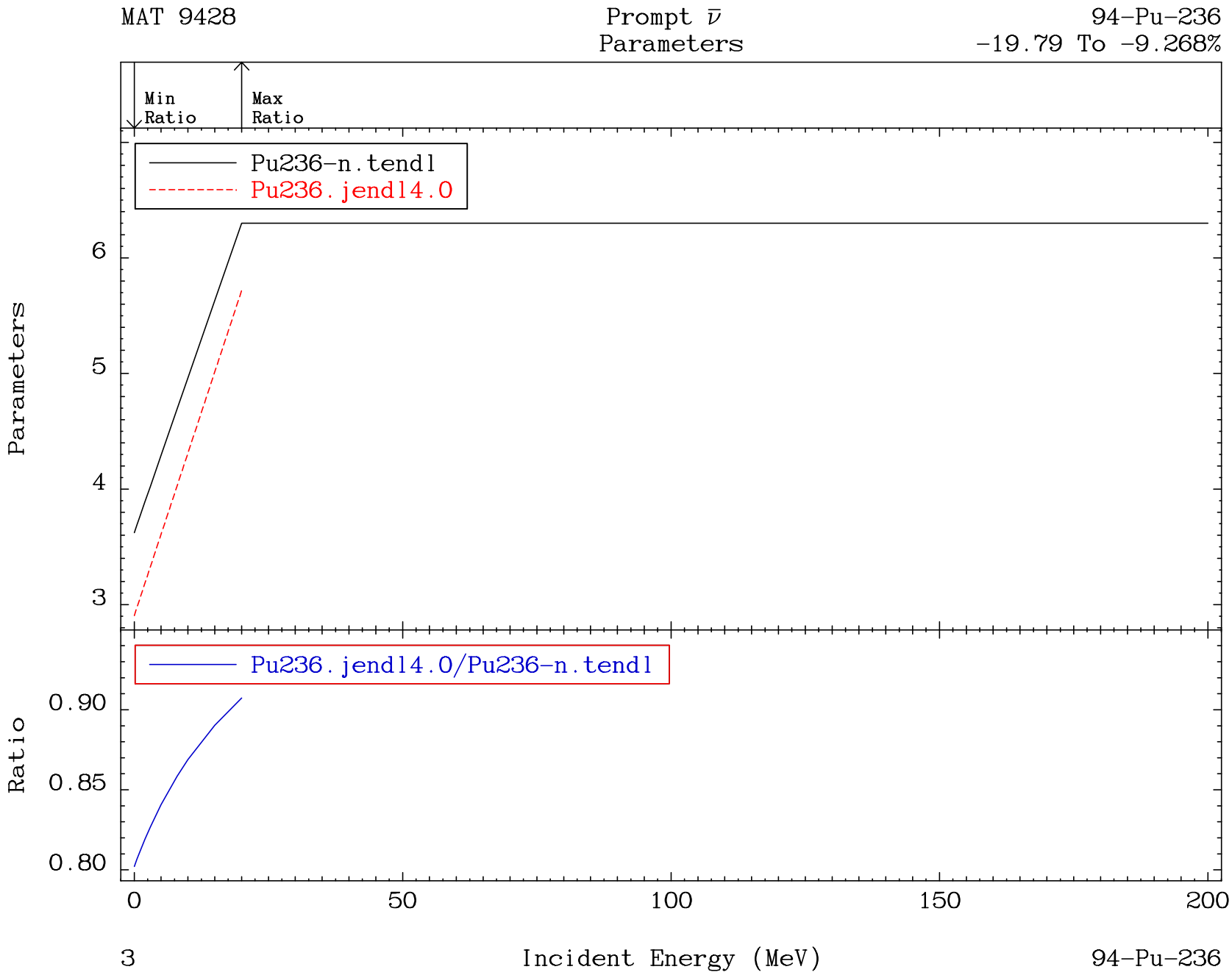

MAT 9428
Total $\bar{\nu}$
Parameters
94-Pu-236
-19.78 To -19.78%
Min
Ratio
Max
Ratio
Pu236-n.tendl
Pu236.jendl4.0
Pu236.jendl4.0/Pu236-n.tendl
Parameters
Ratio
3.6
3.4
3.2
3.0
0.815
0.810
0.805
0.800
0.795
0.0
0.2
0.4
0.6
0.8
1.0
1
Incident Energy (KeV)
94-Pu-236

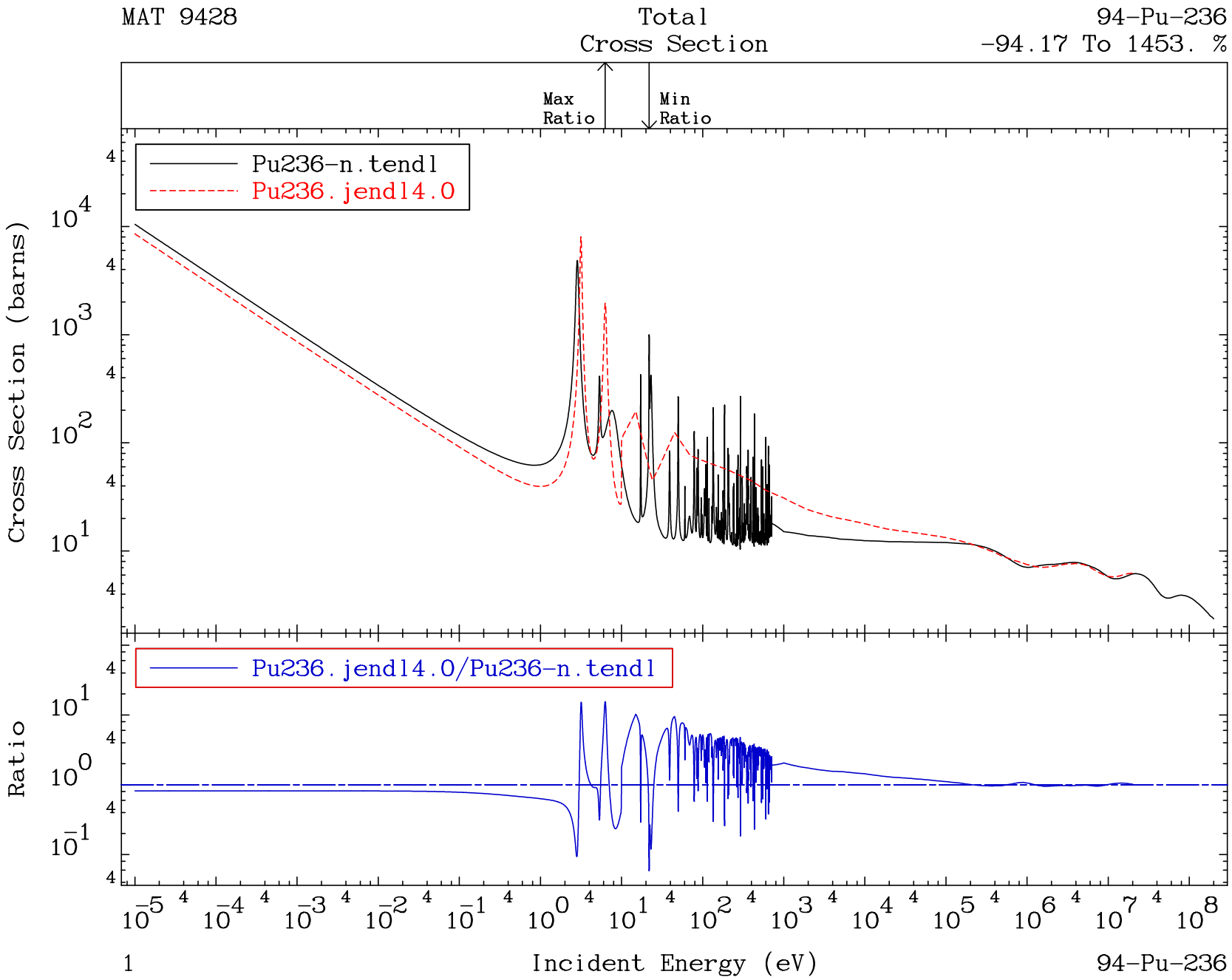

MAT 9428
Prompt $\bar{\nu}$
Parameters
94-Pu-236
-19.79 To -19.79%
Min
Ratio
Max
Ratio
Pu236-n.tendl
Pu236.jendl4.0
Pu236.jendl4.0/Pu236-n.tendl
Parameters
Ratio
3.6
3.4
3.2
3.0
0.815
0.810
0.805
0.800
0.795
0.0
0.2
0.4
0.6
0.8
1.0
2
Incident Energy (KeV)
94-Pu-236

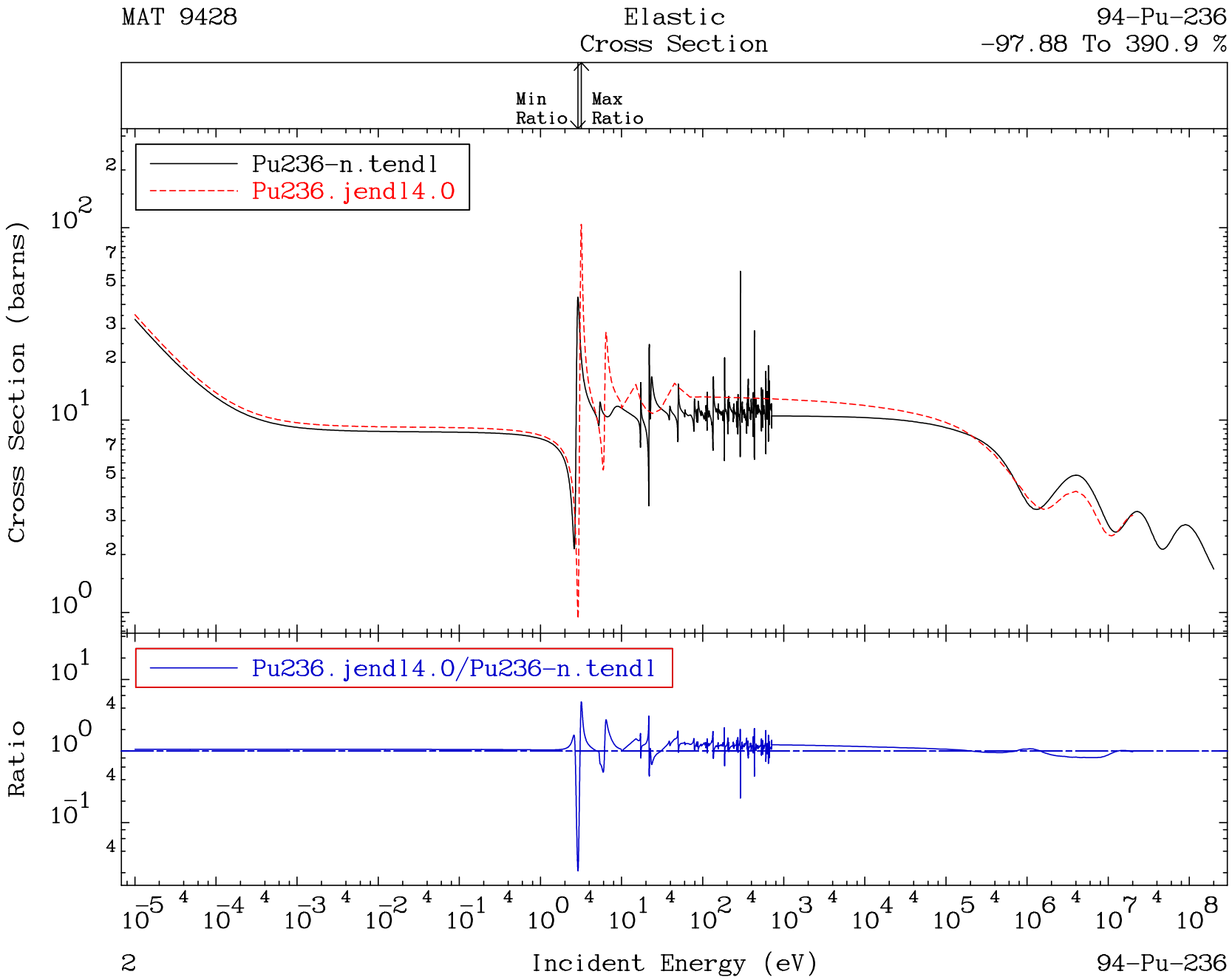

MAT 9428
Prompt $\bar{\nu}$
Parameters
94-Pu-236
-19.79 To -9.268%
Min Ratio
Max Ratio
Pu236-n.tendl
Pu236.jendl4.0
Parameters
6
5
4
3
Pu236.jendl4.0/Pu236-n.tendl
Ratio
0.90
0.85
0.80
0
50
100
150
200
3
Incident Energy (MeV)
94-Pu-236

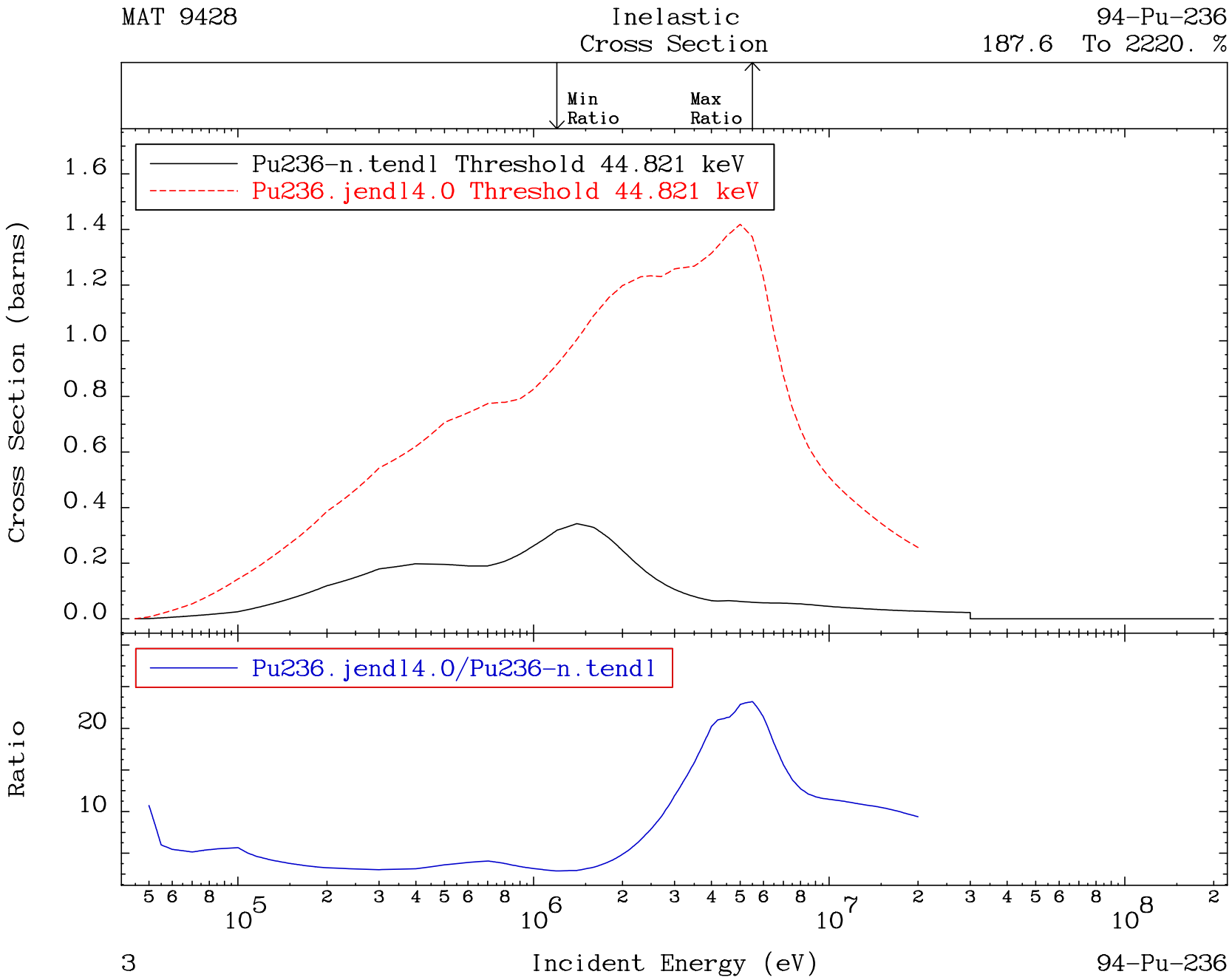

MAT 9428
Total $\bar{\nu}$
Parameters
94-Pu-236
-19.78 To -9.264%
Min Ratio
Max Ratio
Pu236-n.tendl
Pu236.jendl4.0
Parameters
6
5
4
3
Pu236.jendl4.0/Pu236-n.tendl
Ratio
0.90
0.85
0.80
0
50
100
150
200
1
Incident Energy (MeV)
94-Pu-236

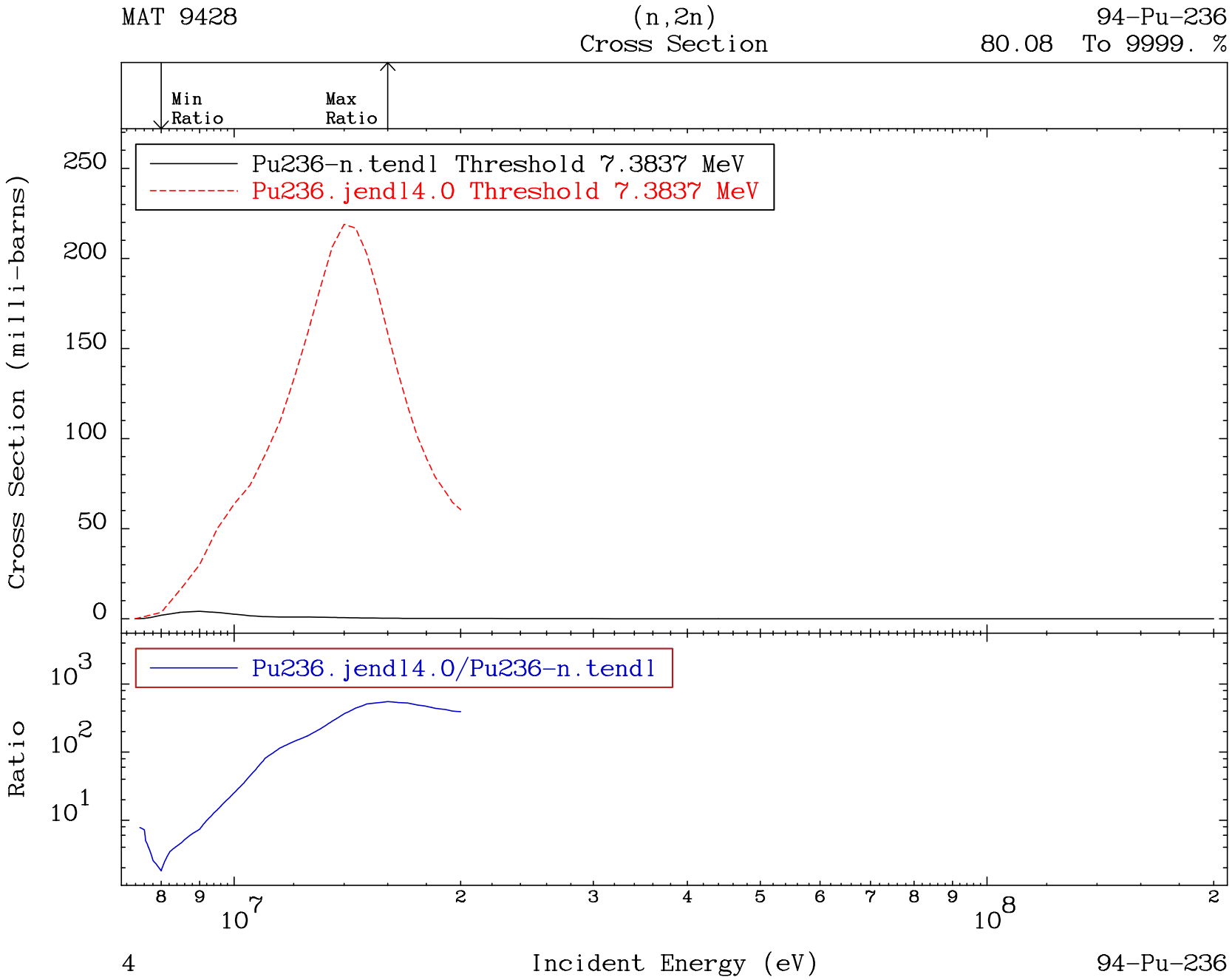

MAT 9428
Delayed $\bar{\nu}$
Parameters
94-Pu-236
-10.63 To 24.83 %
Max
Ratio
Pu236-n.tendl
Pu236.jendl4.0
Parameters (10^{-3})
2.2
2.0
1.8
1.6
Pu236.jendl4.0/Pu236-n.tendl
Ratio
1.2
1.0
0
50
100
150
200
2
Incident Energy (MeV)
94-Pu-236

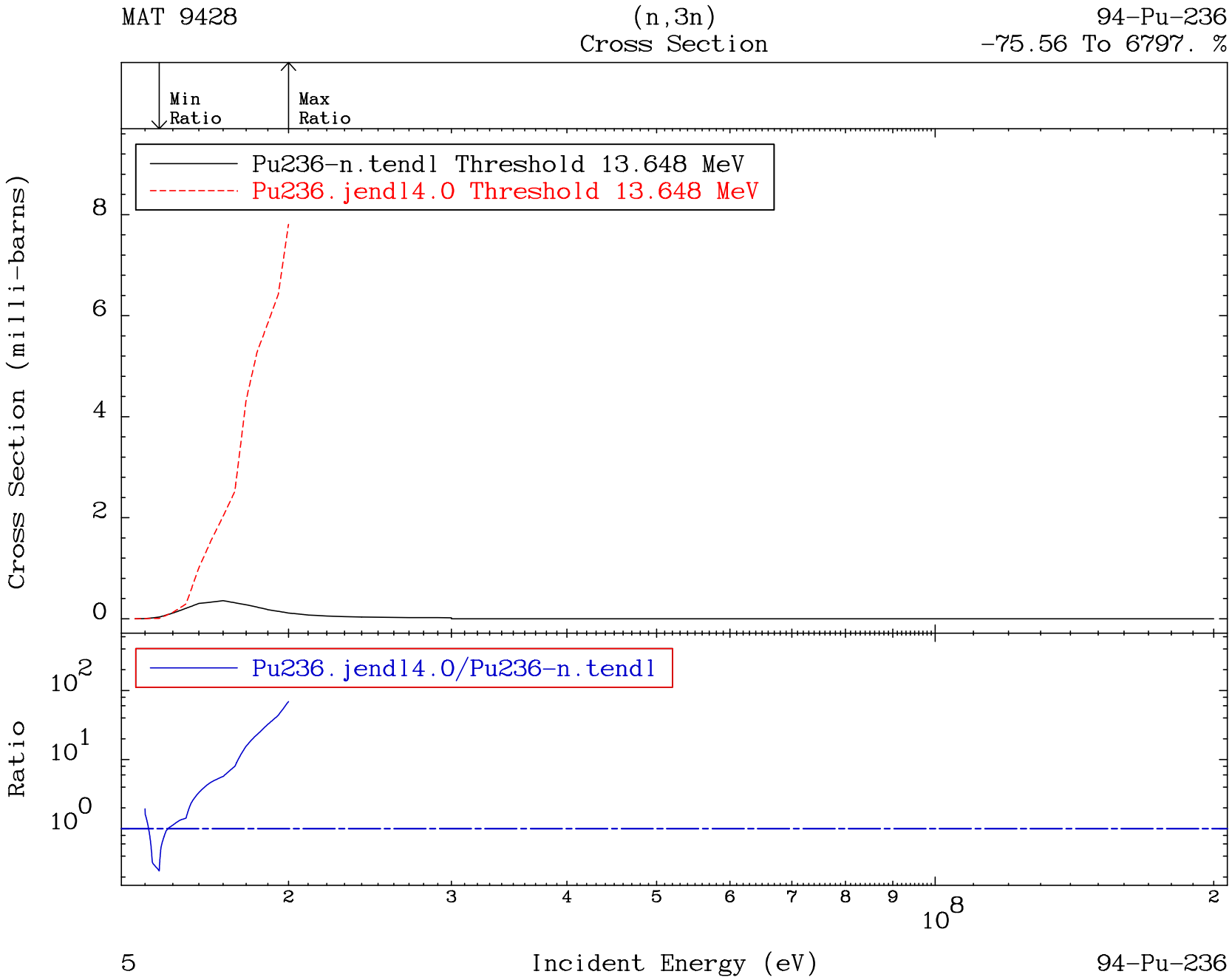

MAT 9428
Prompt $\bar{\nu}$
Parameters
94-Pu-236
-19.79 To -9.268%
Min Ratio
Max Ratio
Pu236-n.tendl
Pu236.jendl4.0
Parameters
6
5
4
3
Pu236.jendl4.0/Pu236-n.tendl
Ratio
0.90
0.85
0.80
0
50
100
150
200
3
Incident Energy (MeV)
94-Pu-236

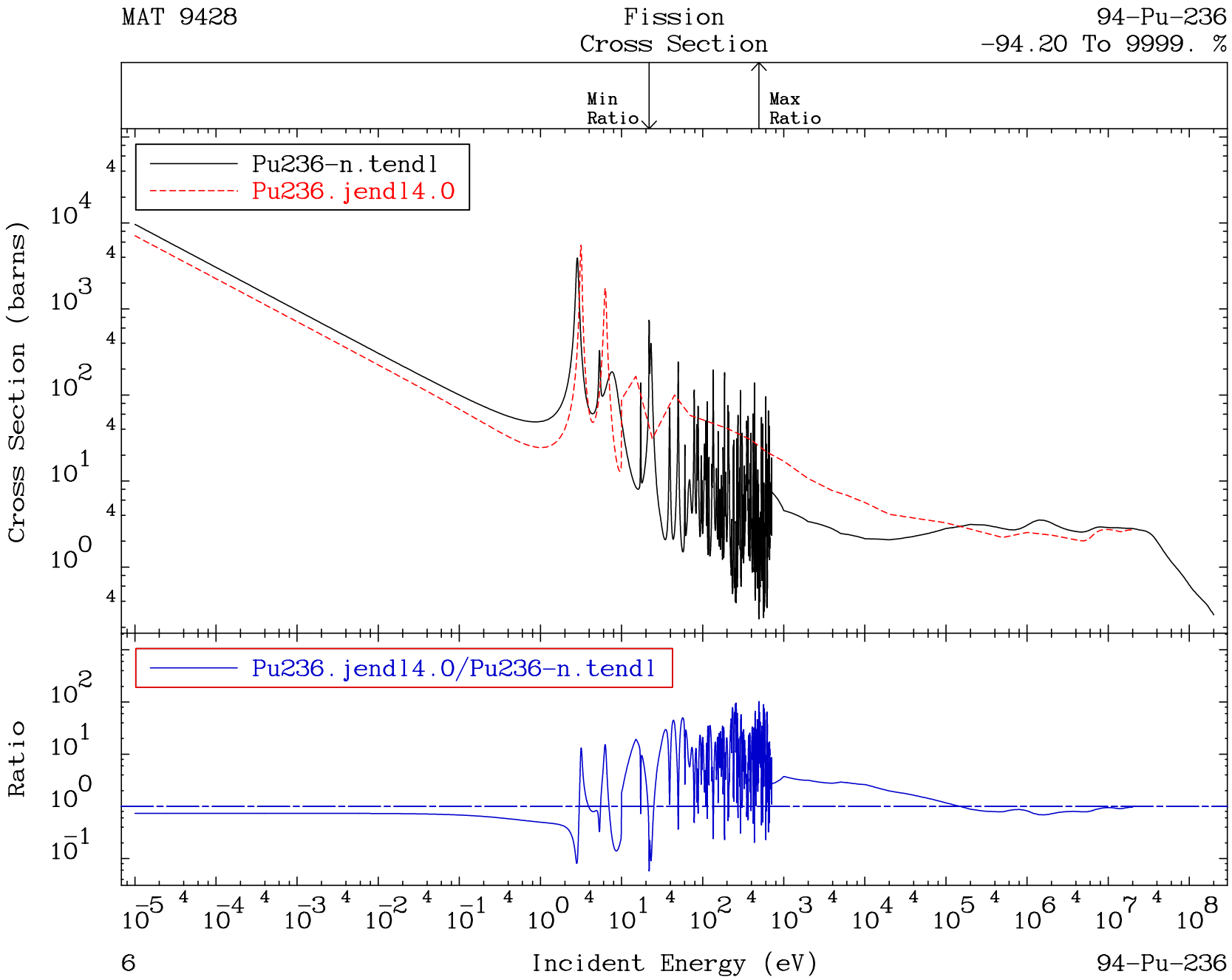

MAT 9428
Total
Cross Section
94-Pu-236
-94.17 To 1453. %
Max
Ratio
Min
Ratio
Pu236-n.tendl
Pu236.jendl4.0
Cross Section (barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
1
94-Pu-236

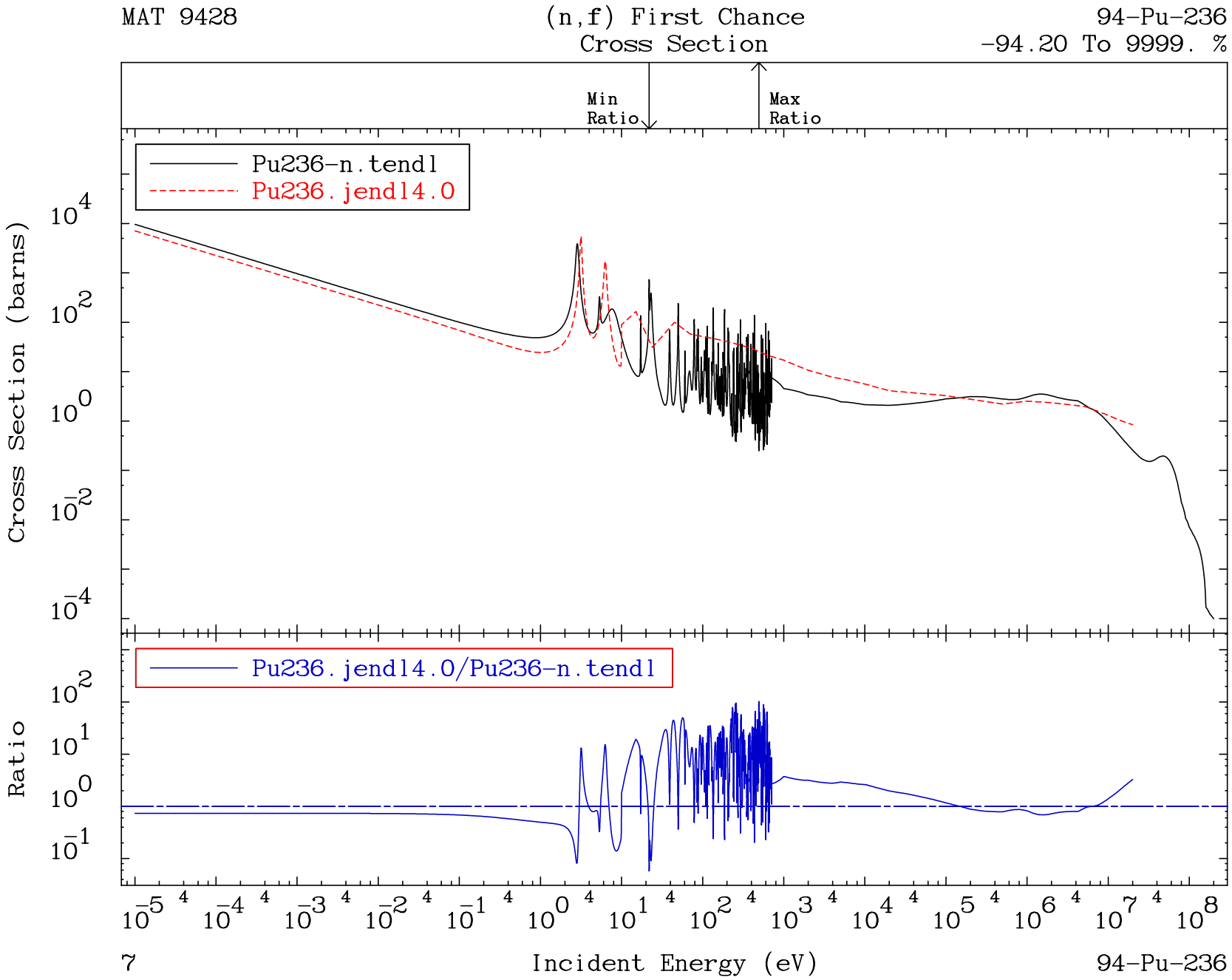

MAT 9428
Elastic
Cross Section
94-Pu-236
-97.88 To 390.9 %
Min Ratio
Max Ratio
Pu236-n.tendl
Pu236.jendl4.0
Cross Section (barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
2
94-Pu-236

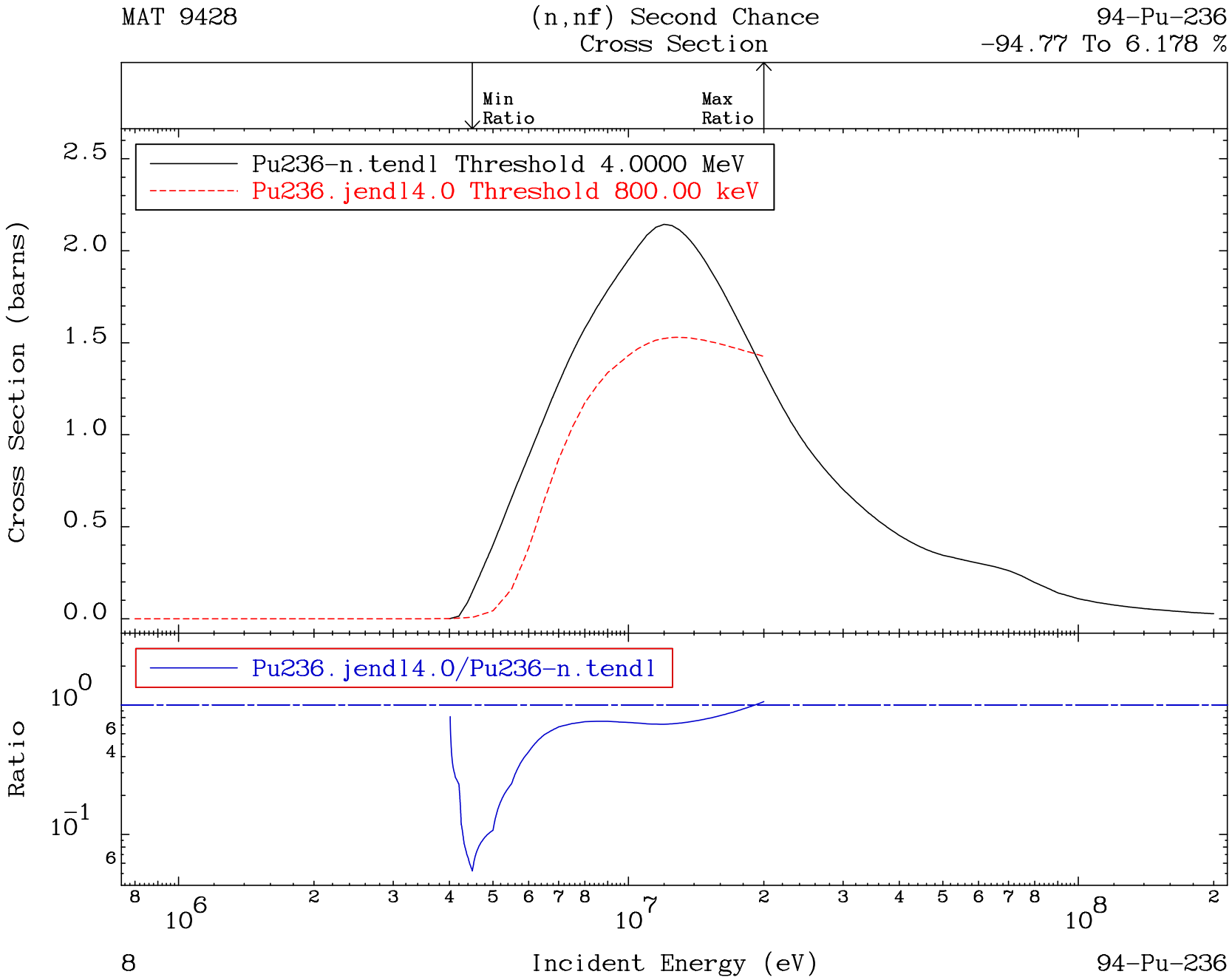

MAT 9428
Inelastic
Cross Section
94-Pu-236
187.6 To 2220. %
Min Ratio
Max Ratio
Pu236-n.tendl Threshold 44.821 keV
Pu236.jendl4.0 Threshold 44.821 keV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Pu236.jendl4.0/Pu236-n.tendl
Ratio
20
10
5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
3
Incident Energy (eV)
94-Pu-236

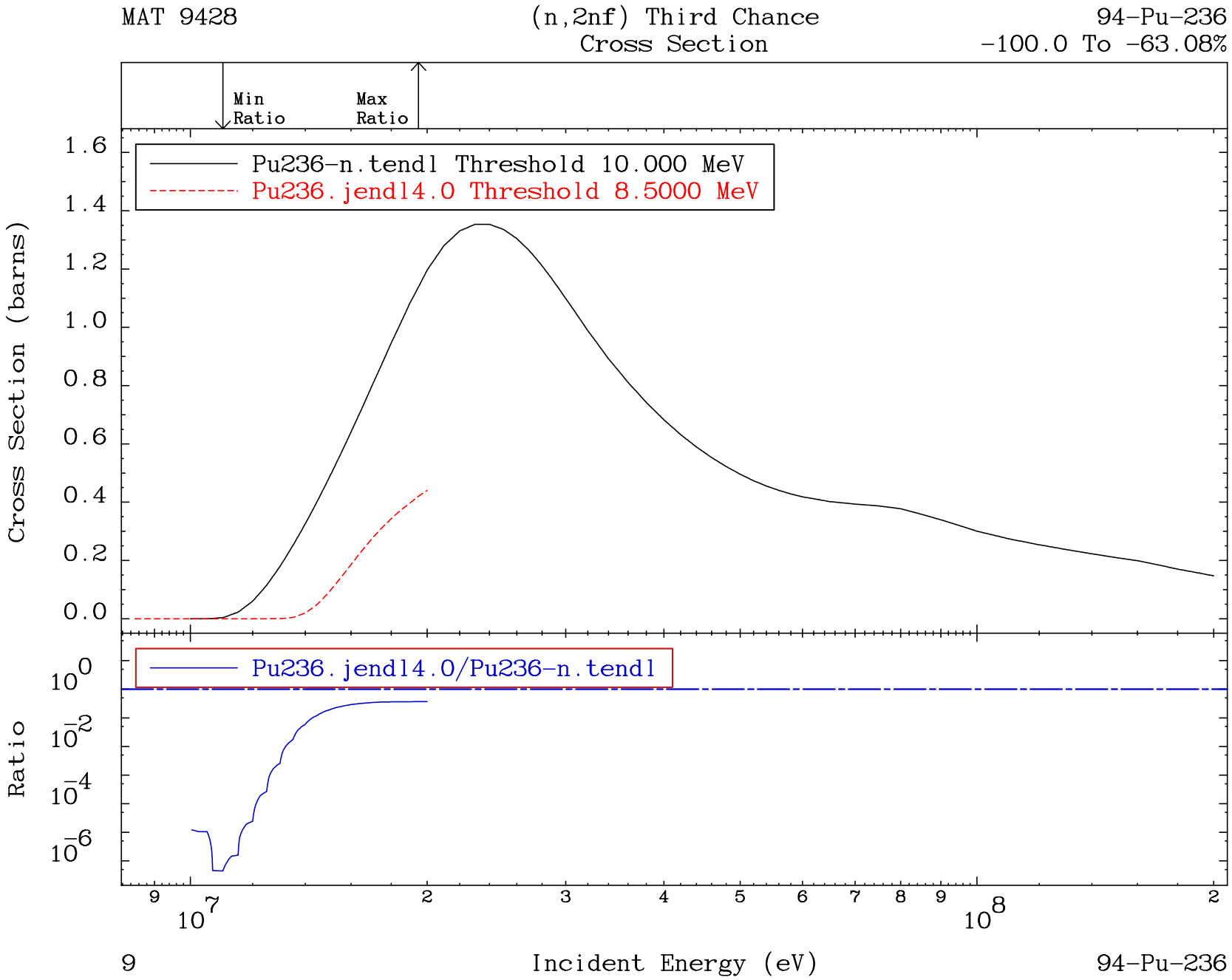

MAT 9428
(n,2n)
Cross Section
94-Pu-236
80.08 To 9999. %
Min Ratio
Max Ratio
Pu236-n.tendl Threshold 7.3837 MeV
Pu236.jendl4.0 Threshold 7.3837 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
Pu236.jendl4.0/Pu236-n.tendl
Ratio
10^3
10^2
10^1
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
94-Pu-236

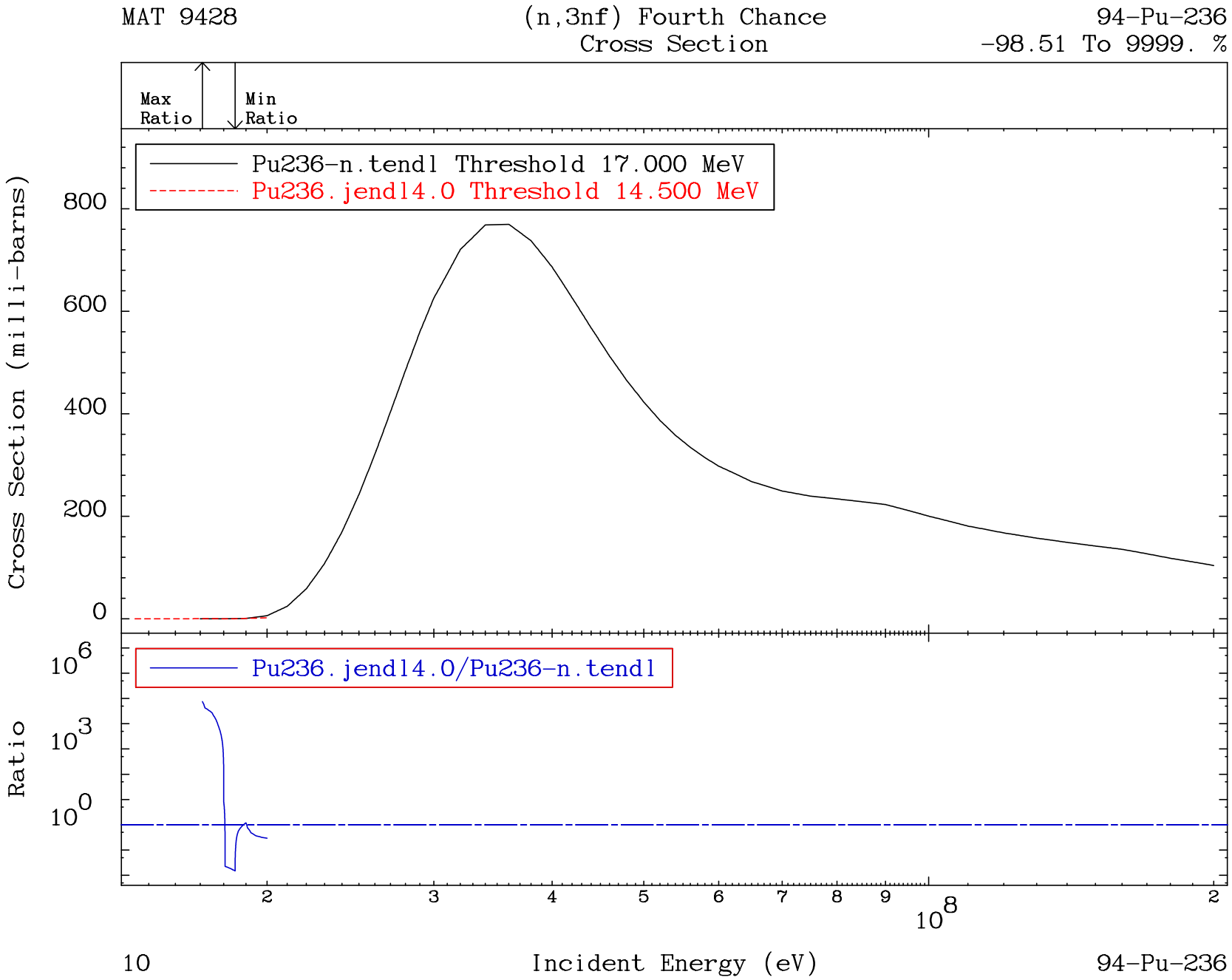

MAT 9428
(n,3n)
Cross Section
94-Pu-236
-75.56 To 6797. %
Min Ratio
Max Ratio
Pu236-n.tendl Threshold 13.648 MeV
Pu236.jendl4.0 Threshold 13.648 MeV
Cross Section (milli-barns)
0
2
4
6
8
Pu236.jendl4.0/Pu236-n.tendl
Ratio
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
94-Pu-236

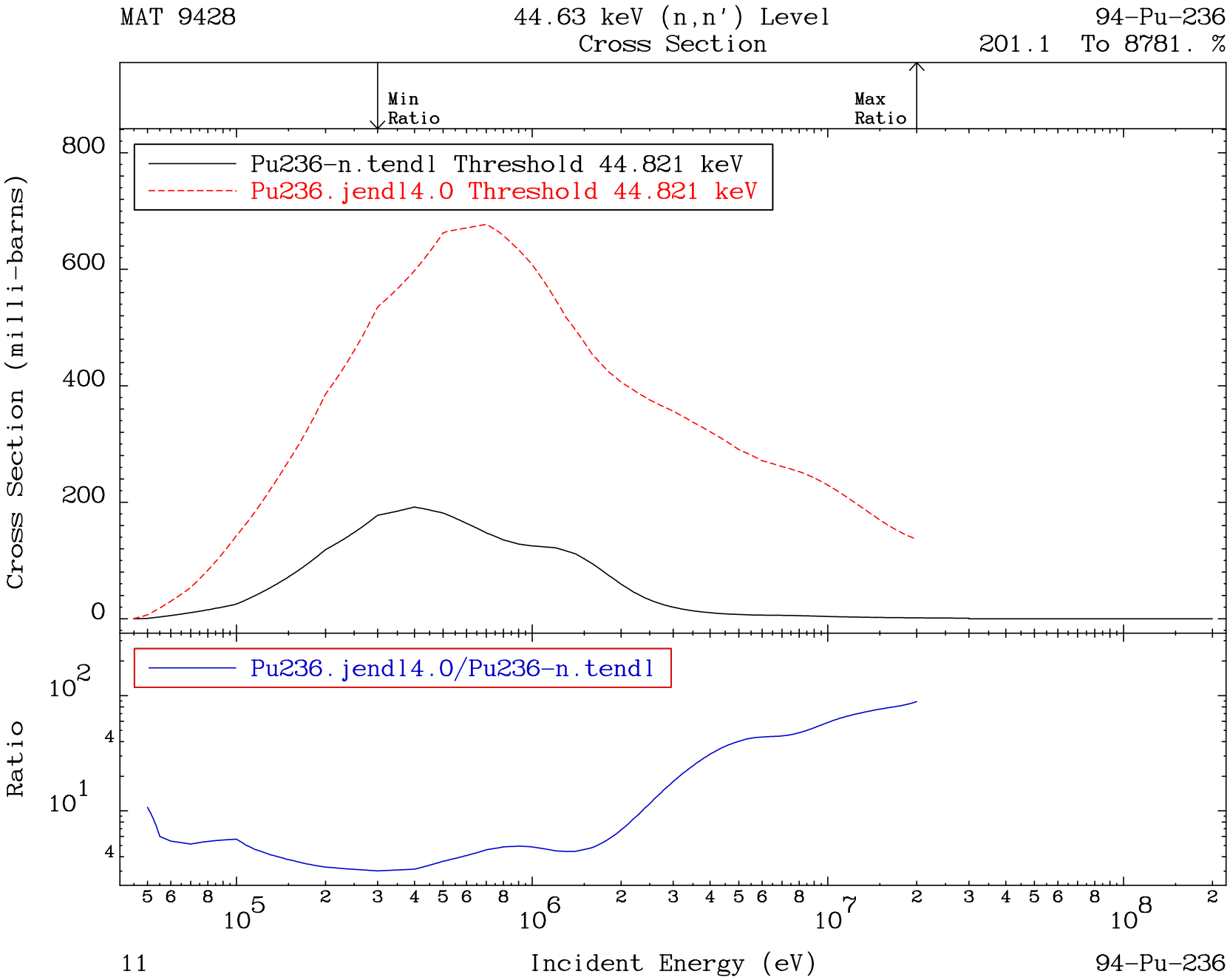

MAT 9428
Fission
Cross Section
94-Pu-236
-94.20 To 9999. %
Min Ratio
Max Ratio
Pu236-n.tendl
Pu236.jendl4.0
Cross Section (barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
6
94-Pu-236

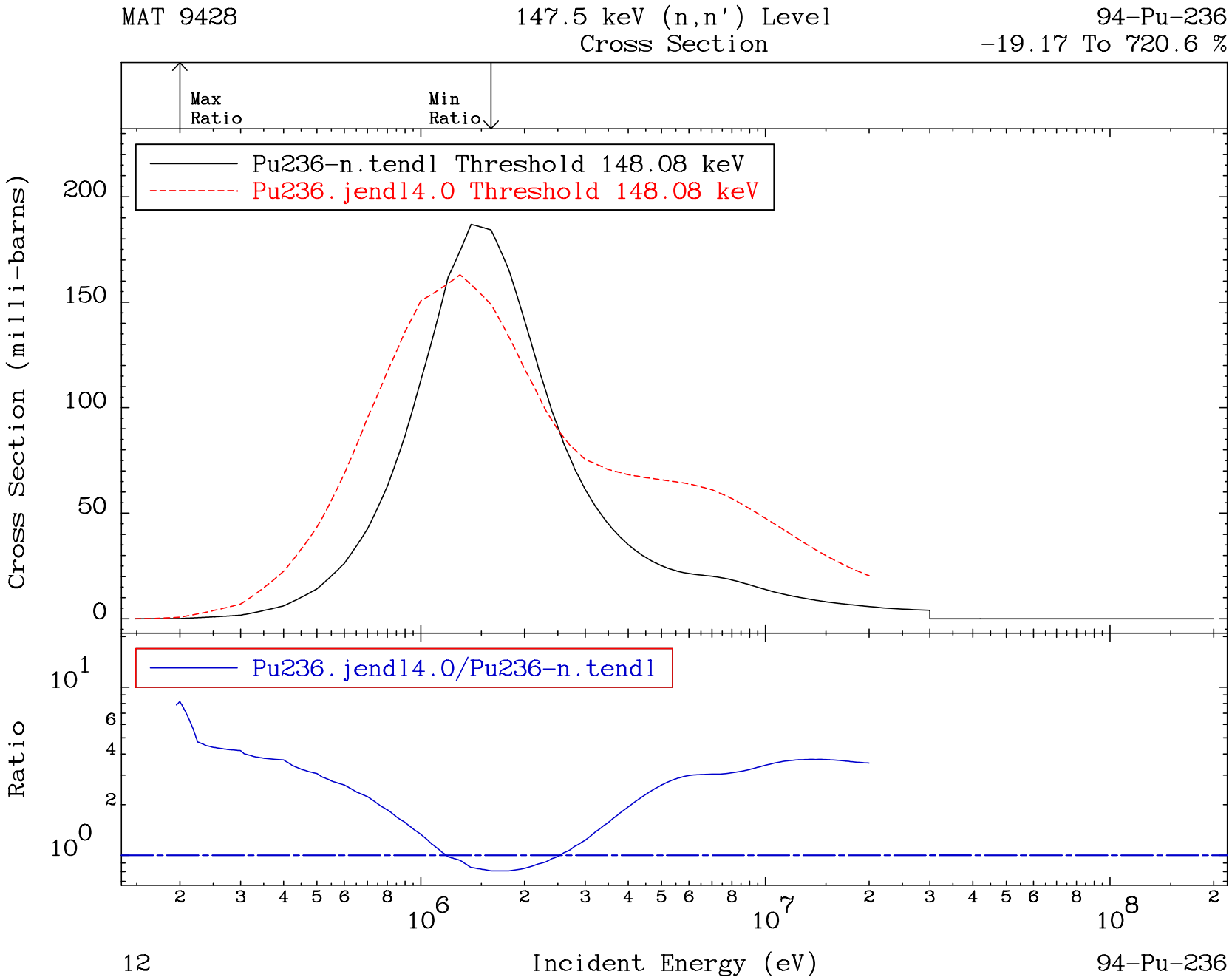

MAT 9428
(n,f) First Chance
Cross Section
94-Pu-236
-94.20 To 9999. %
Min
Ratio
Max
Ratio
Pu236-n.tendl
Pu236.jendl4.0
Cross Section (barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
94-Pu-236
7

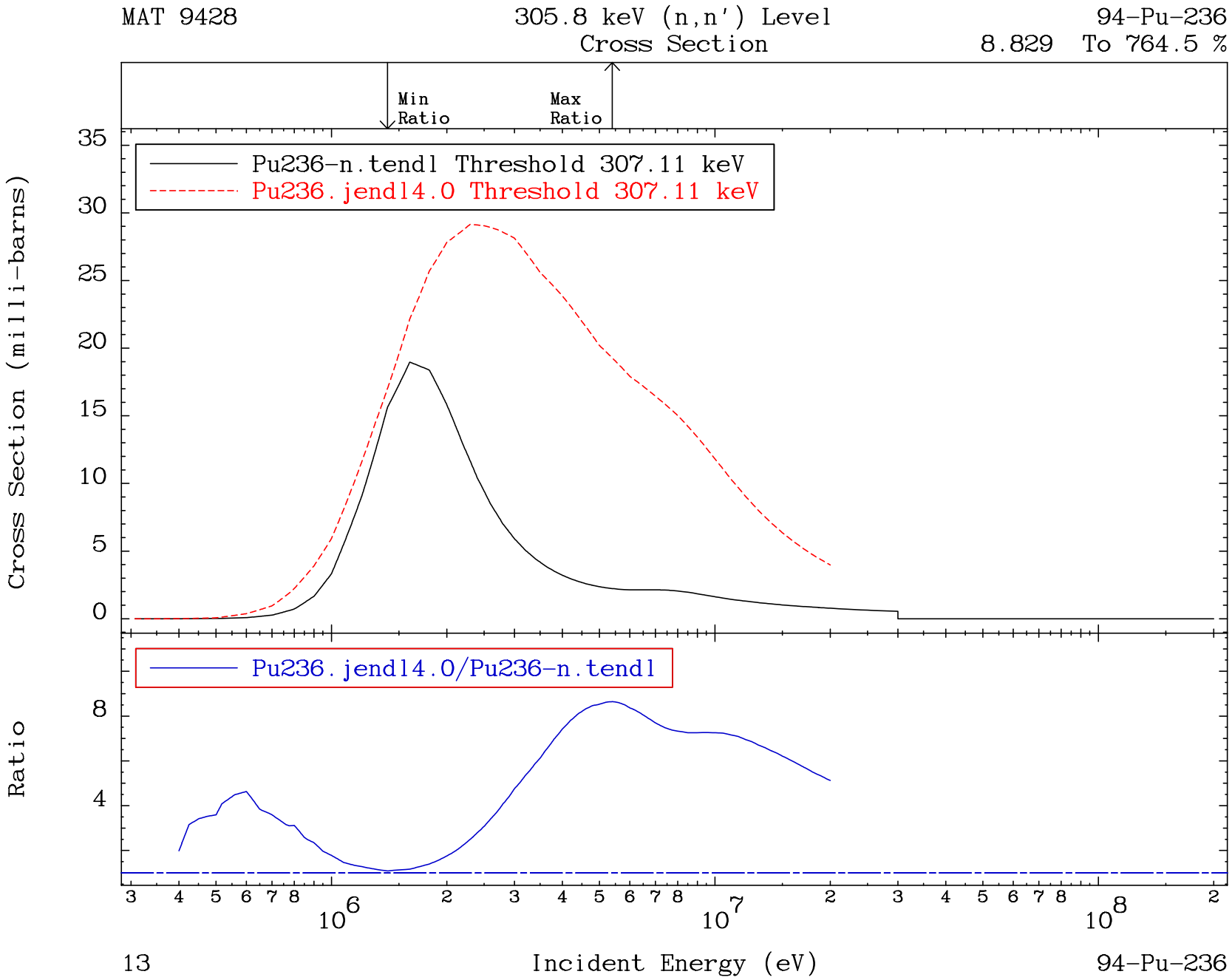

MAT 9428
(n,nf) Second Chance
Cross Section
94-Pu-236
-94.77 To 6.178 %
Min
Ratio
Max
Ratio
Pu236-n.tendl Threshold 4.0000 MeV
Pu236.jendl4.0 Threshold 800.00 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
Pu236.jendl4.0/Pu236-n.tendl
Ratio
10^0
6
4
10^-1
6
8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
8
Incident Energy (eV)
94-Pu-236

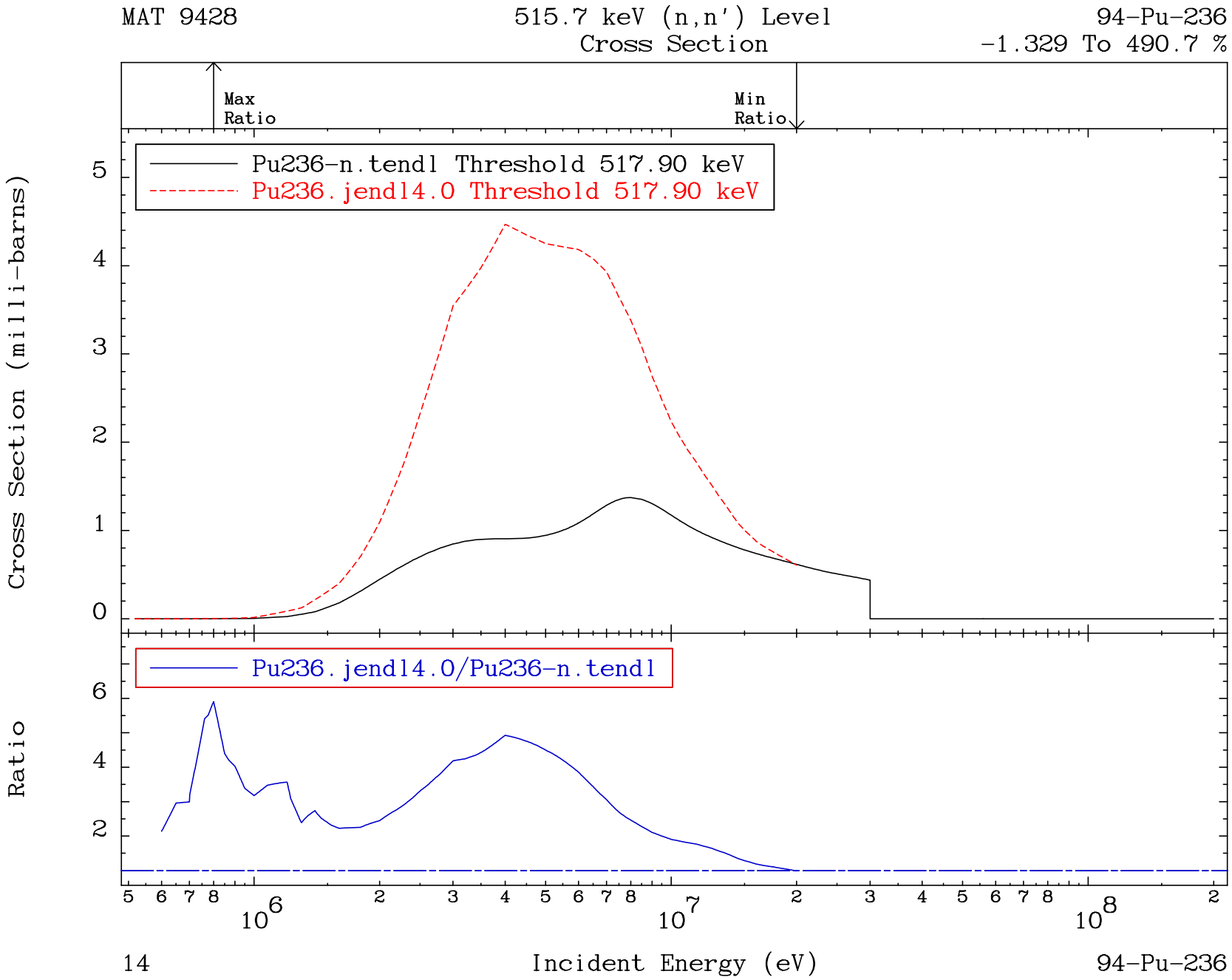

MAT 9428
(n,2nf) Third Chance
Cross Section
94-Pu-236
-100.0 To -63.08%
Min Ratio
Max Ratio
Pu236-n.tendl Threshold 10.000 MeV
Pu236.jendl4.0 Threshold 8.5000 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Pu236.jendl4.0/Pu236-n.tendl
Ratio
10^0
10^-2
10^-4
10^-6
9
10^7
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
94-Pu-236

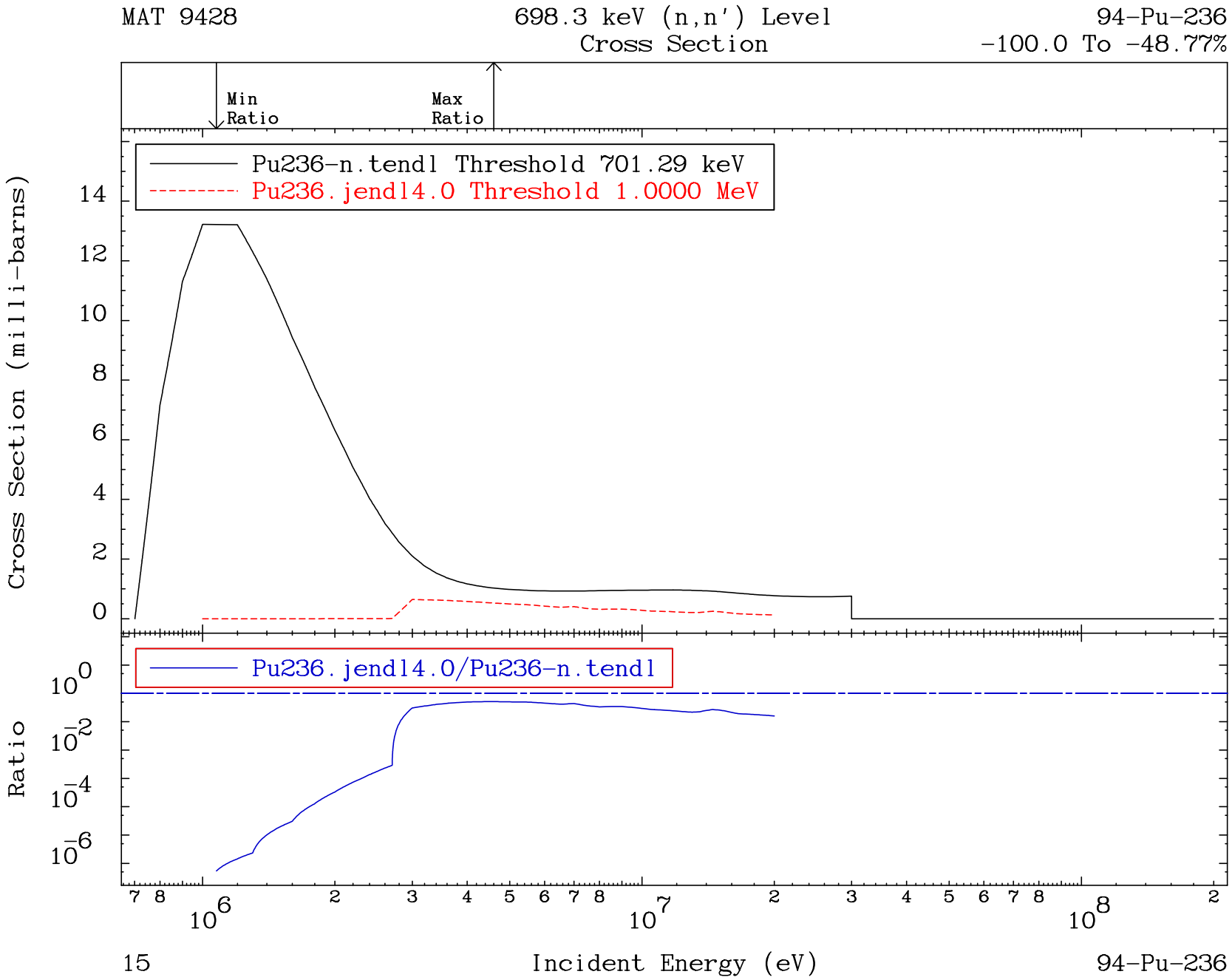

MAT 9428
(n,3nf) Fourth Chance
Cross Section
94-Pu-236
-98.51 To 9999. %
Max Ratio
Min Ratio
Pu236-n.tendl Threshold 17.000 MeV
Pu236.jendl4.0 Threshold 14.500 MeV
Cross Section (milli-barns)
800
600
400
200
0
Pu236.jendl4.0/Pu236-n.tendl
Ratio
10^6
10^3
10^0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
94-Pu-236

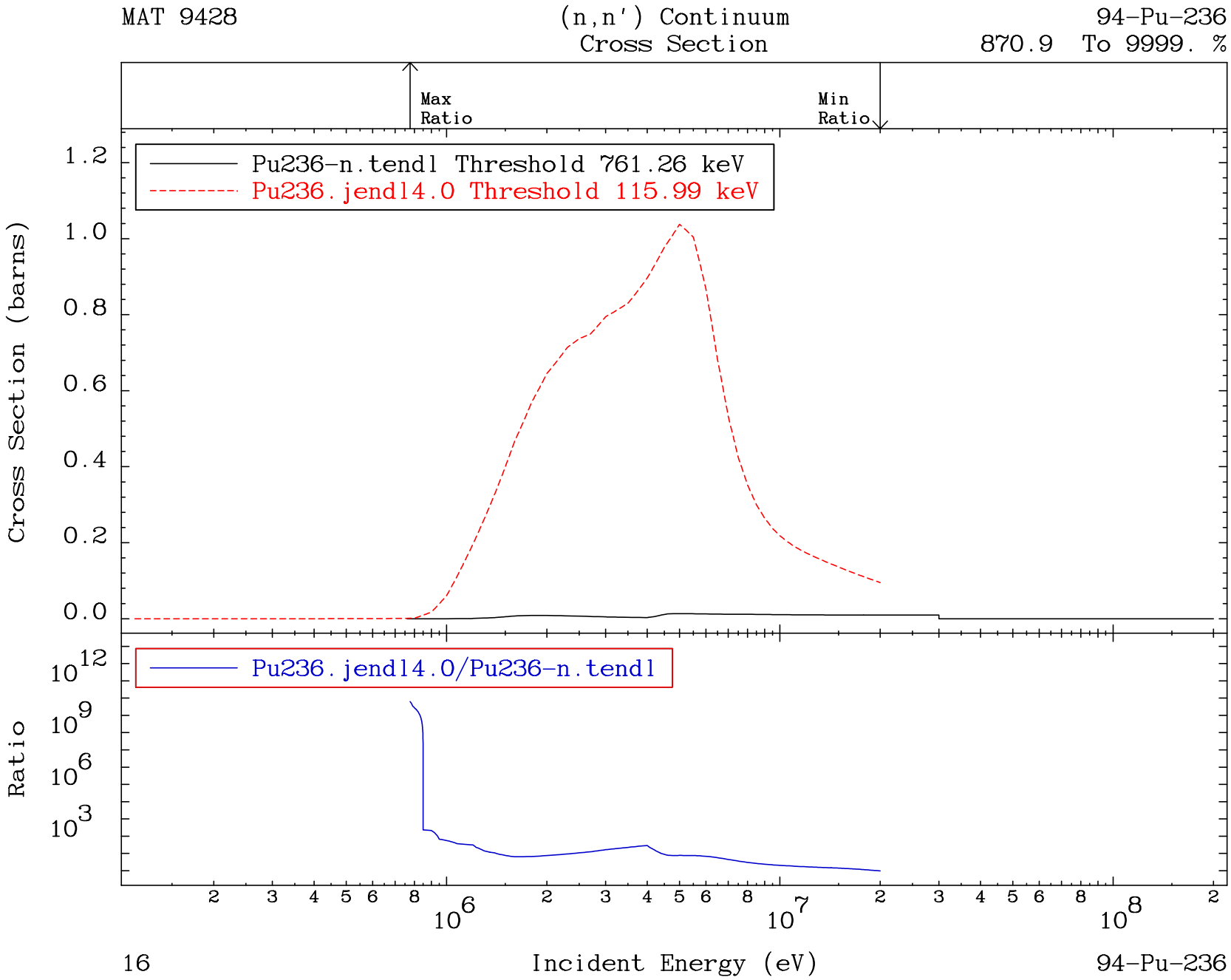

MAT 9428
44.63 keV (n,n') Level
Cross Section
94-Pu-236
201.1 To 8781. %
Min
Ratio
Max
Ratio
Pu236-n.tendl Threshold 44.821 keV
Pu236.jendl4.0 Threshold 44.821 keV
Cross Section (milli-barns)
800
600
400
200
0
Pu236.jendl4.0/Pu236-n.tendl
Ratio
10^2
4
10^1
4
5 6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
11
Incident Energy (eV)
94-Pu-236

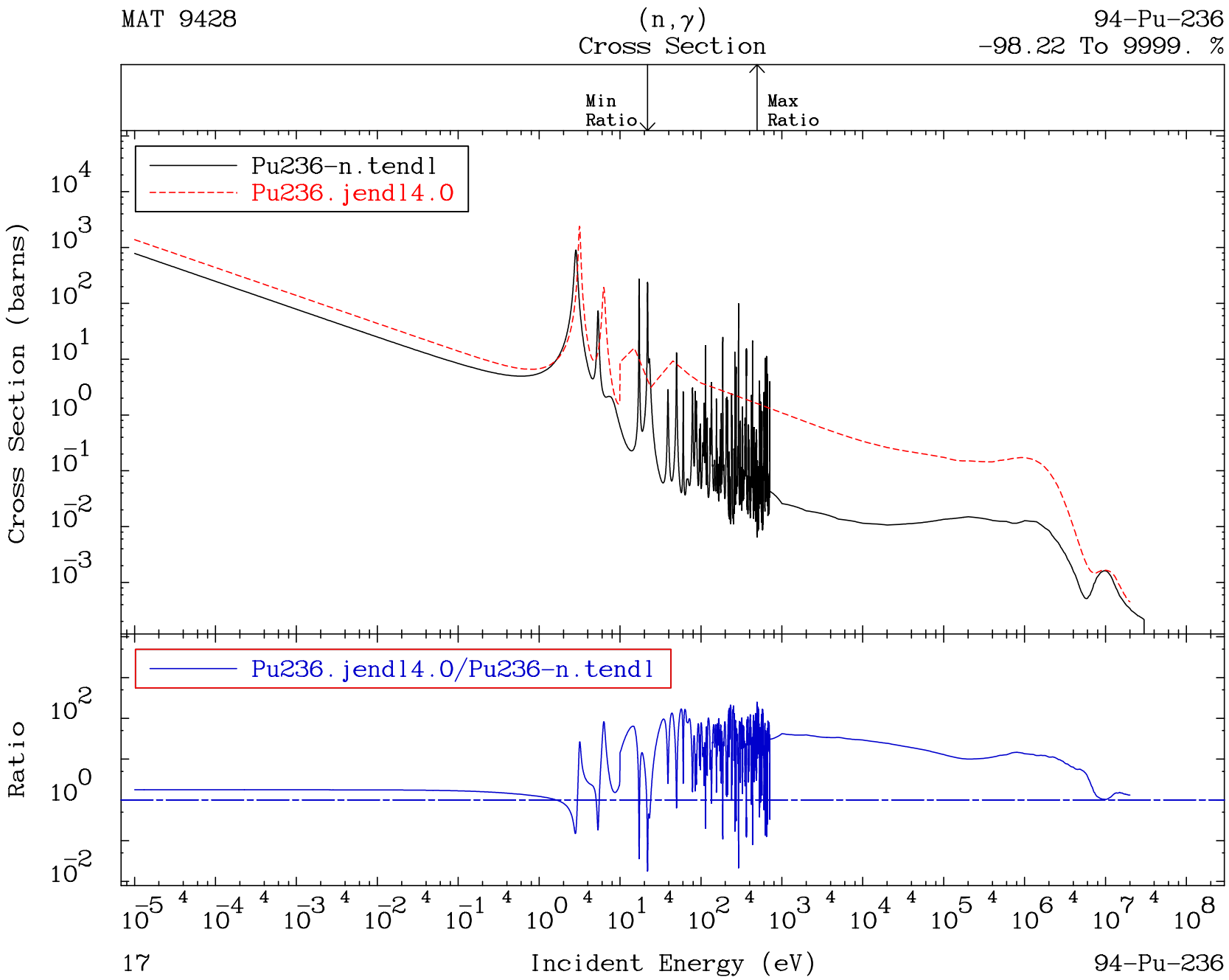

MAT 9428
147.5 keV (n,n') Level
Cross Section
94-Pu-236
-19.17 To 720.6 %
Max Ratio
Min Ratio
Pu236-n.tendl Threshold 148.08 keV
Pu236.jendl4.0 Threshold 148.08 keV
Cross Section (milli-barns)
200
150
100
50
0
Pu236.jendl4.0/Pu236-n.tendl
Ratio
10^1
6
4
2
10^0
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
94-Pu-236

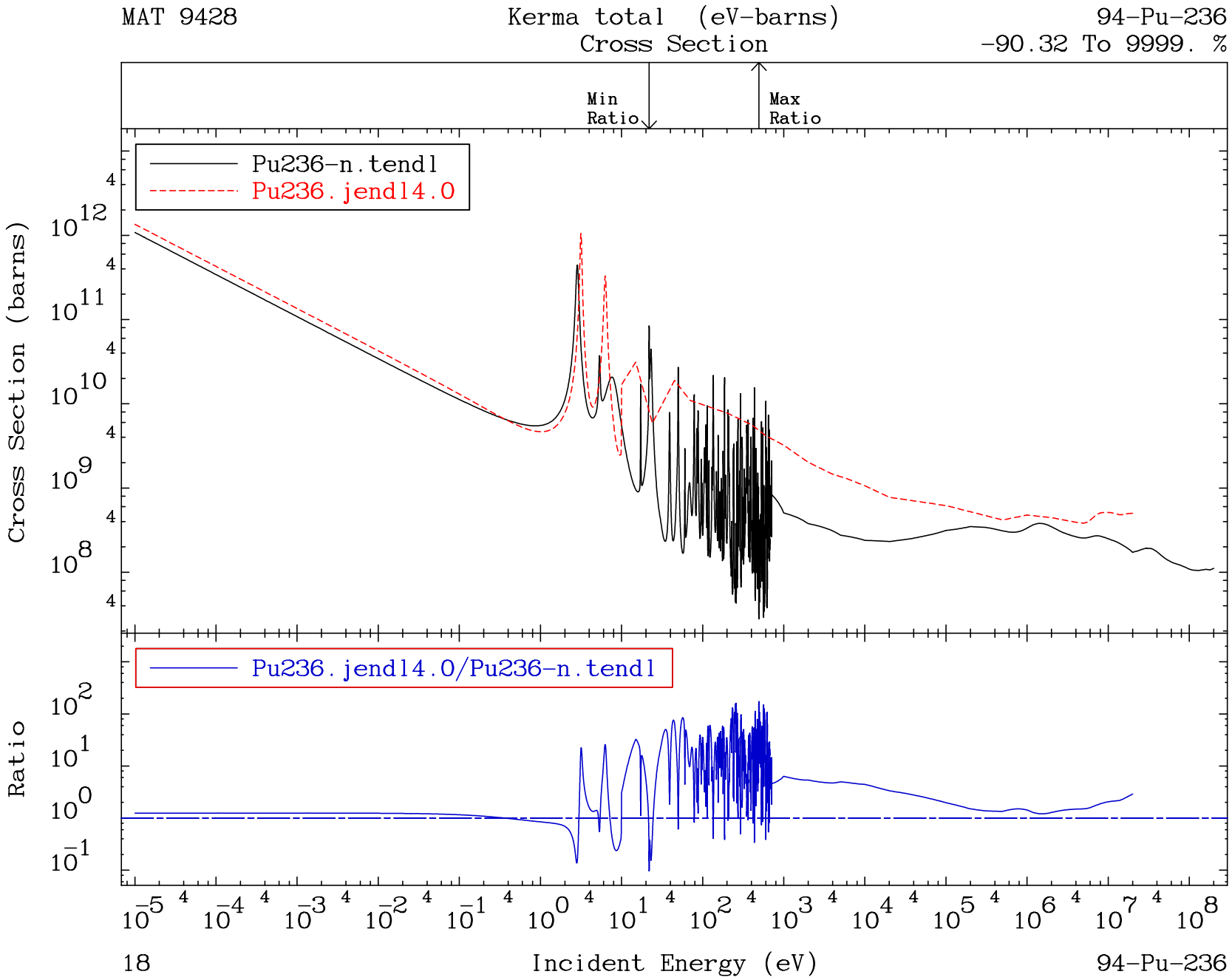

MAT 9428
305.8 keV (n,n') Level
Cross Section
94-Pu-236
8.829 To 764.5 %
Min Ratio
Max Ratio
Pu236-n.tendl Threshold 307.11 keV
Pu236.jendl4.0 Threshold 307.11 keV
Cross Section (milli-barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
13
94-Pu-236

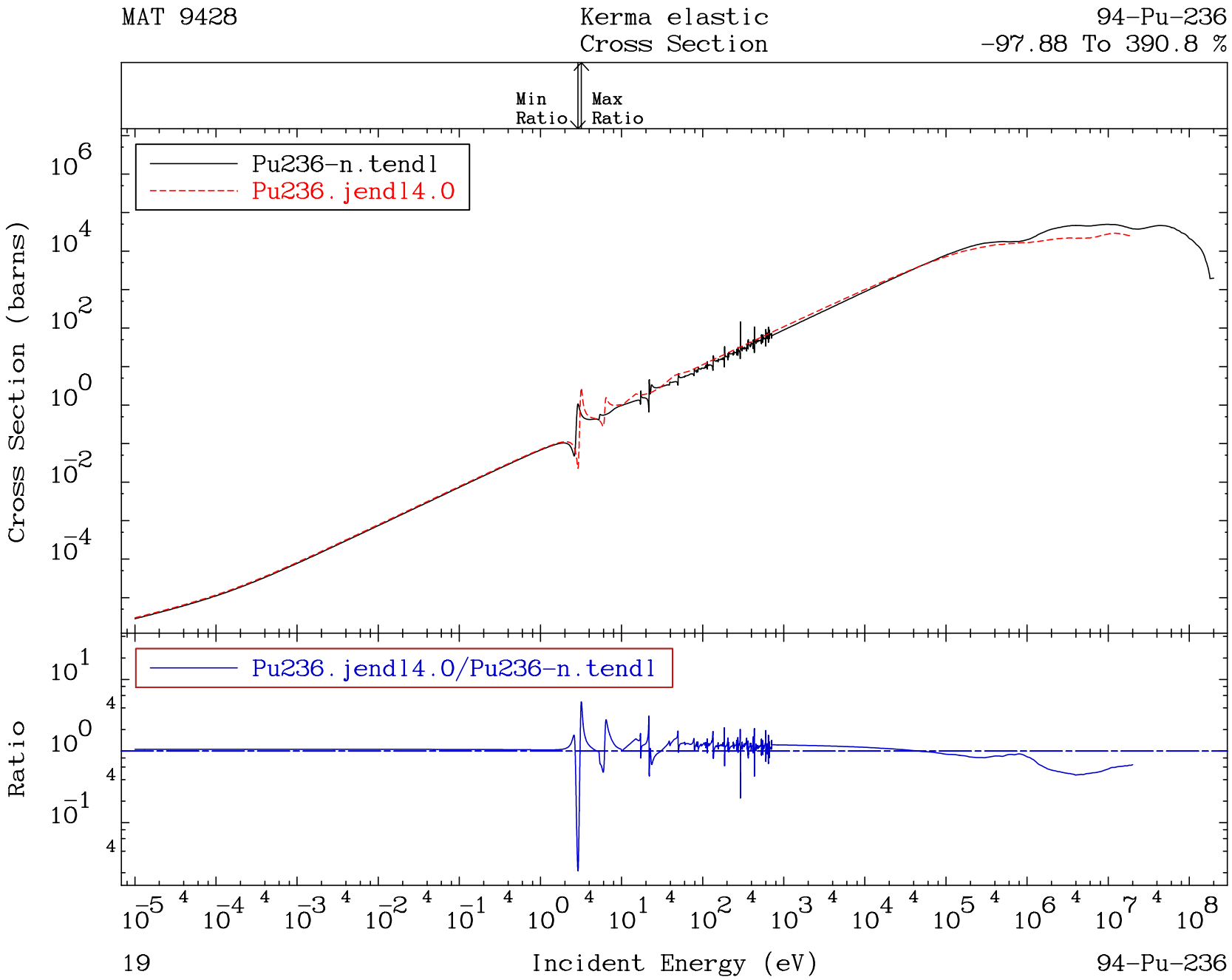

MAT 9428
515.7 keV (n,n') Level
Cross Section
94-Pu-236
-1.329 To 490.7 %
Max
Ratio
Min
Ratio
Pu236-n.tendl Threshold 517.90 keV
Pu236.jendl4.0 Threshold 517.90 keV
Cross Section (milli-barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
14
94-Pu-236

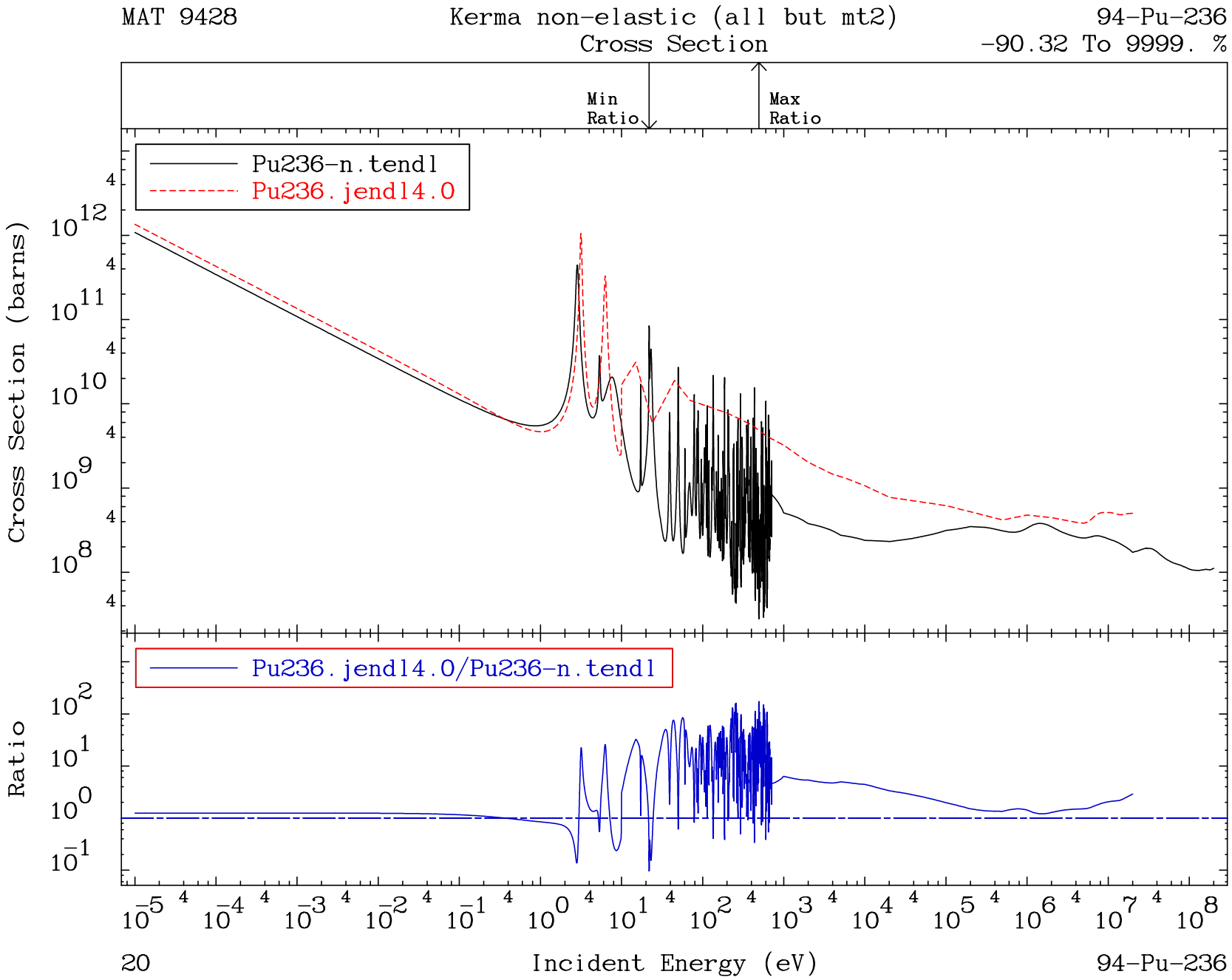

MAT 9428
698.3 keV (n,n') Level
Cross Section
94-Pu-236
-100.0 To -48.77%
Min Ratio
Max Ratio
Pu236-n.tendl Threshold 701.29 keV
Pu236.jendl4.0 Threshold 1.0000 MeV
Cross Section (milli-barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
15
94-Pu-236

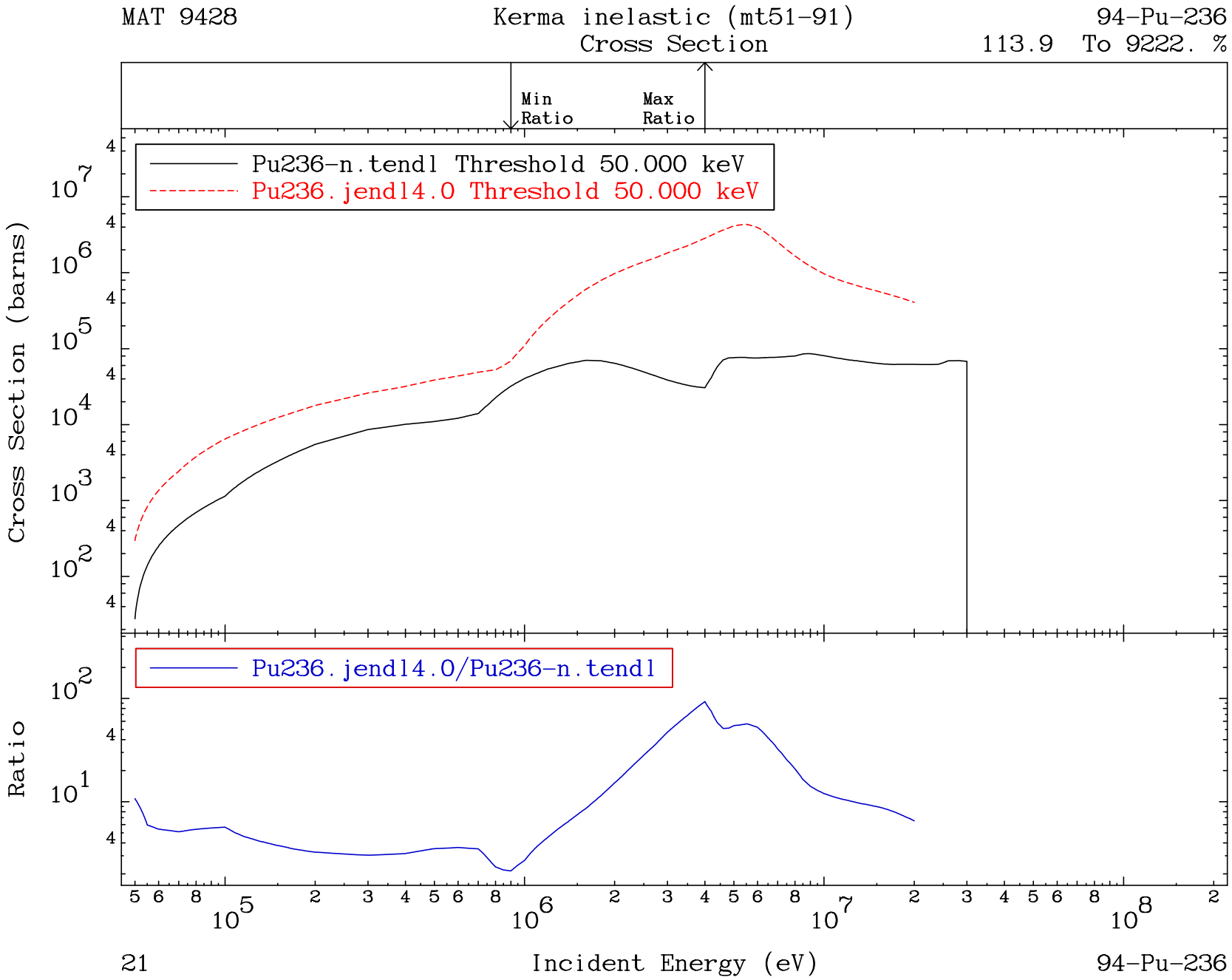

MAT 9428
(n,n') Continuum
Cross Section
94-Pu-236
870.9 To 9999. %
Max Ratio
Min Ratio
Pu236-n.tendl Threshold 761.26 keV
Pu236.jendl4.0 Threshold 115.99 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Pu236.jendl4.0/Pu236-n.tendl
Ratio
10^12
10^9
10^6
10^3
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
94-Pu-236

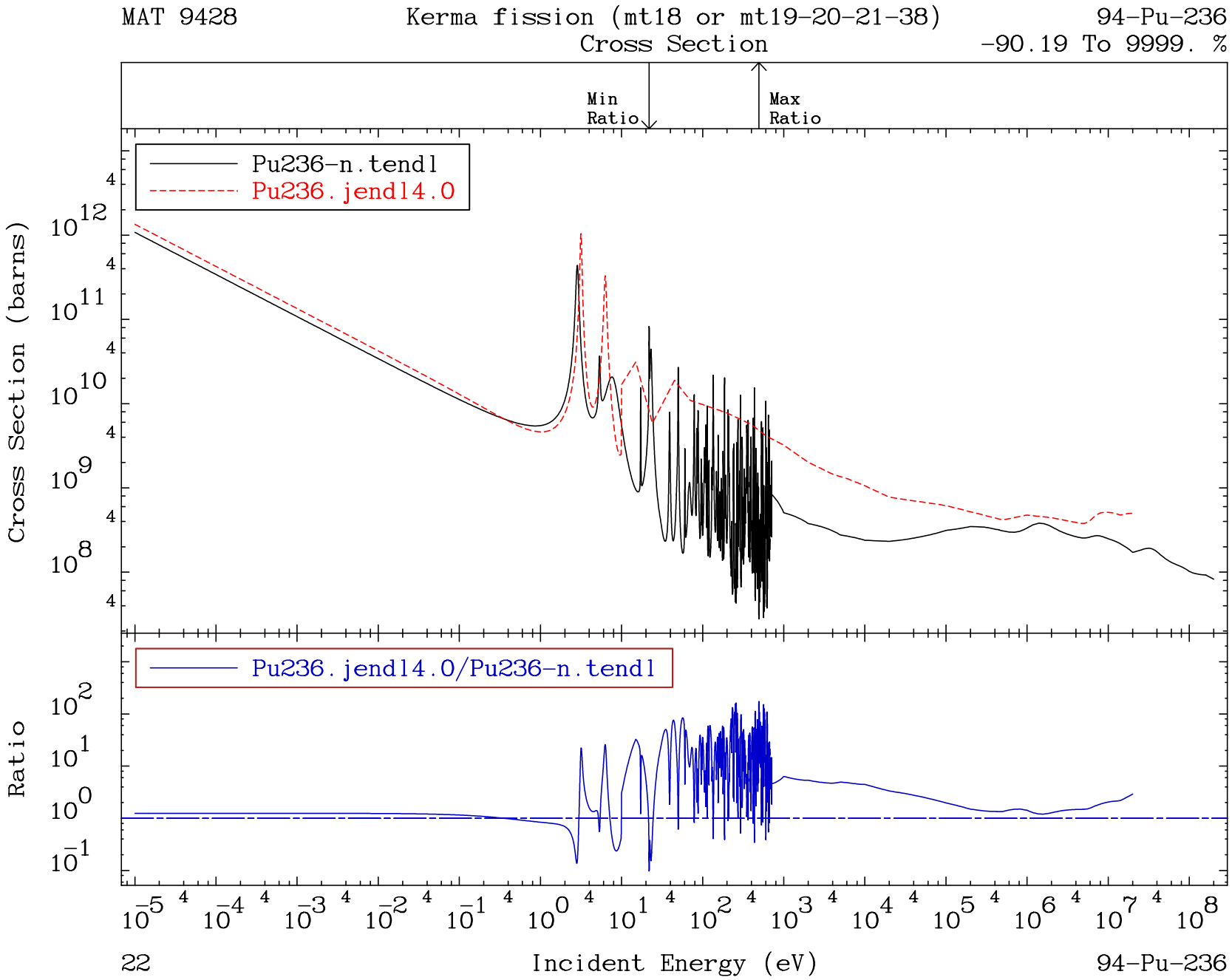

MAT 9428
(n,γ)
Cross Section
94-Pu-236
-98.22 To 9999. %
Min Ratio
Max Ratio
Pu236-n.tendl
Pu236.jendl4.0
Cross Section (barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
17
94-Pu-236

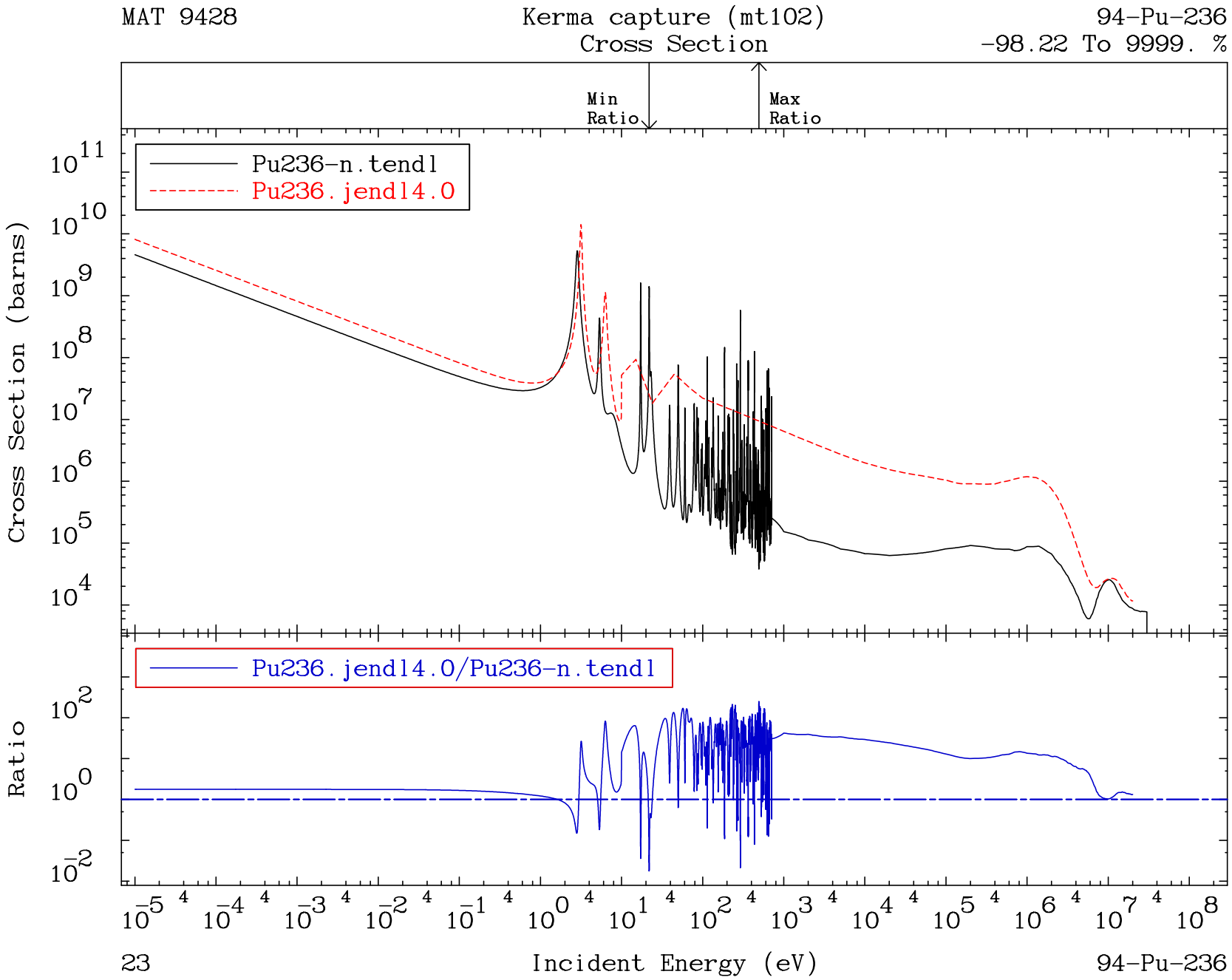

MAT 9428
Kerma total (eV-barns)
Cross Section
94-Pu-236
-90.32 To 9999. %
Min Ratio
Max Ratio
Pu236-n.tendl
Pu236.jendl4.0
Cross Section (barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
18
94-Pu-236

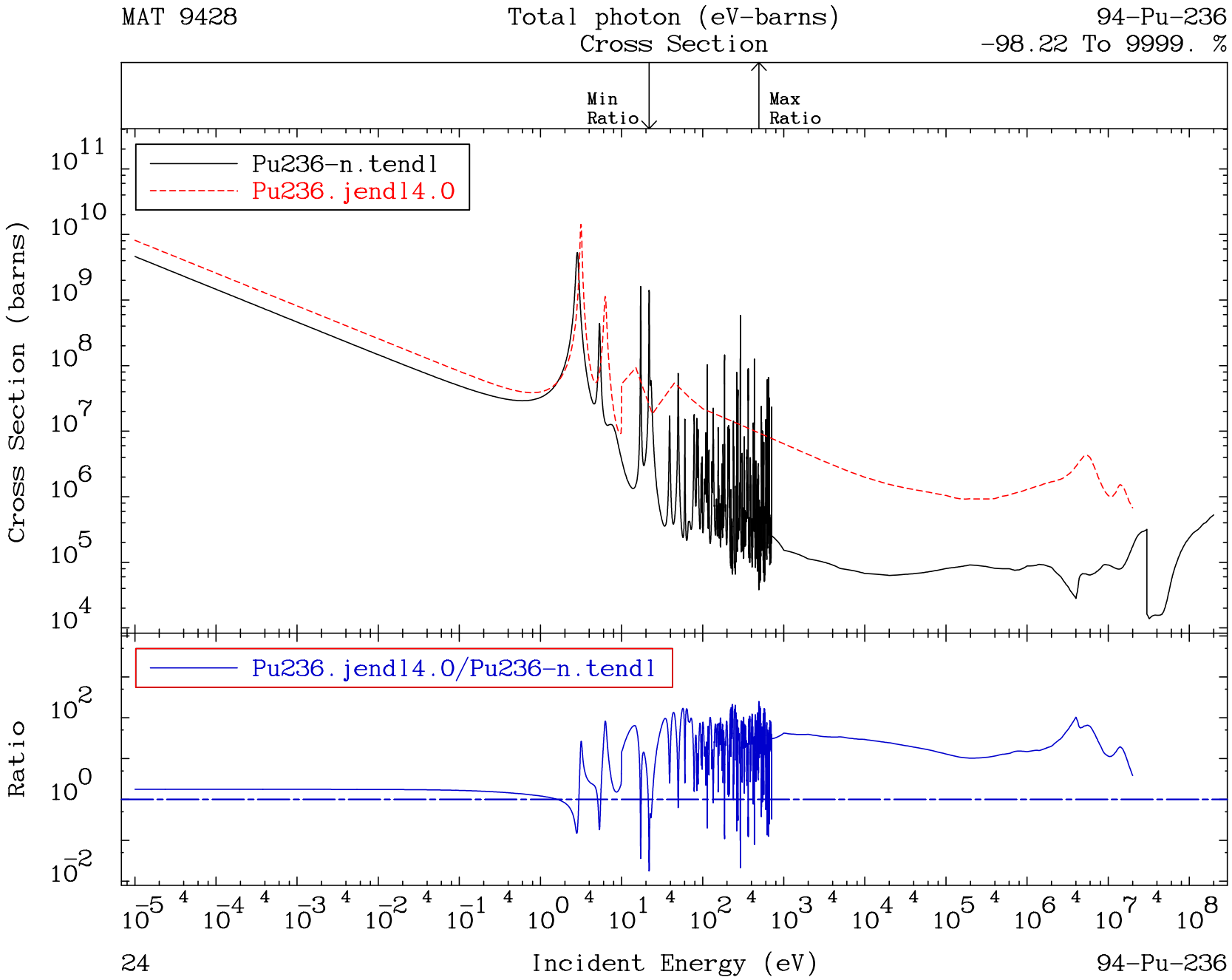

MAT 9428
Kerma elastic
Cross Section
94-Pu-236
-97.88 To 390.8 %
Min Ratio
Max Ratio
Pu236-n.tendl
Pu236.jendl4.0
Cross Section (barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
19
94-Pu-236

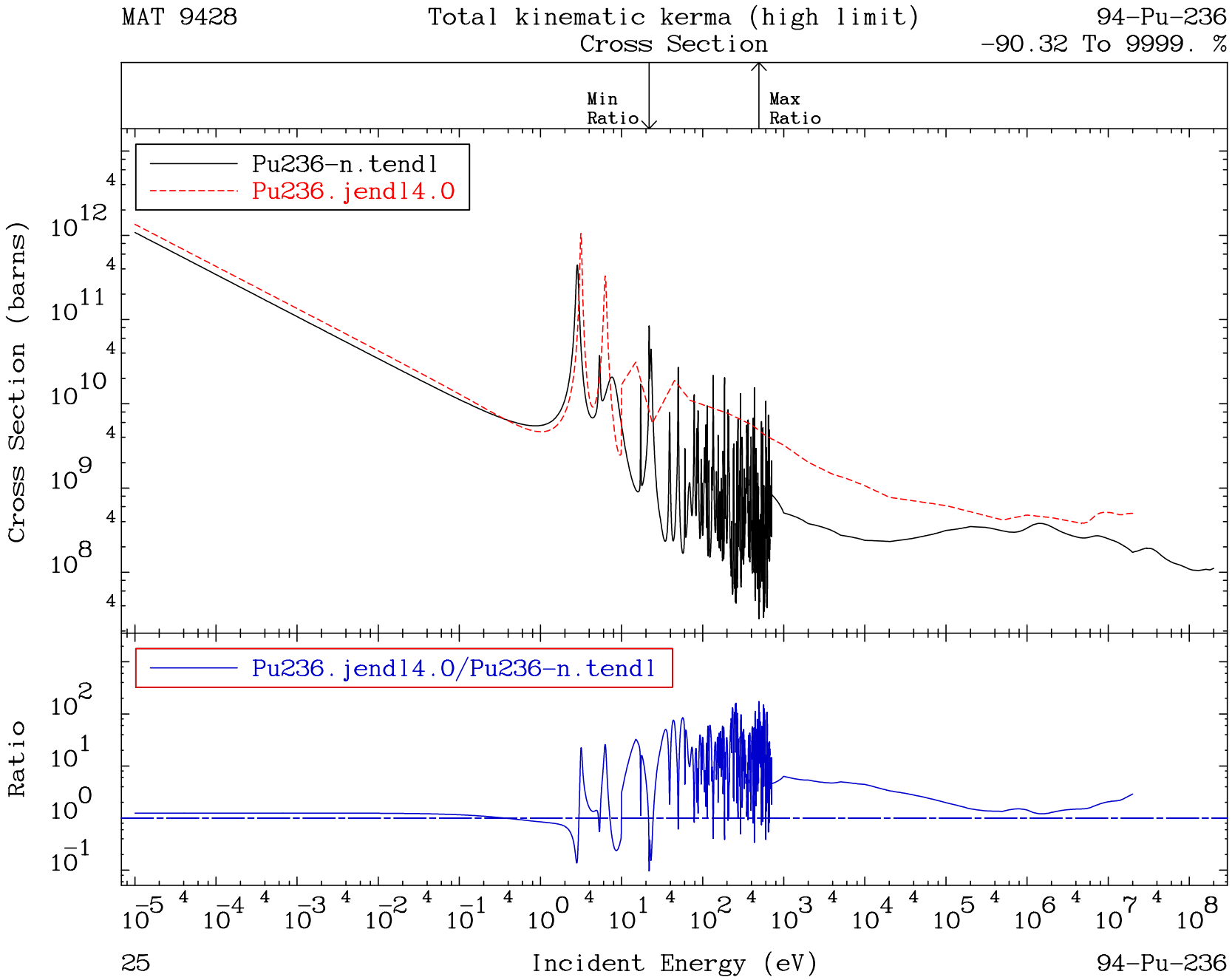

MAT 9428
Kerma non-elastic (all but mt2)
Cross Section
94-Pu-236
-90.32 To 9999. %
Min Ratio
Max Ratio
Pu236-n.tendl
Pu236.jendl4.0
Cross Section (barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
20
94-Pu-236

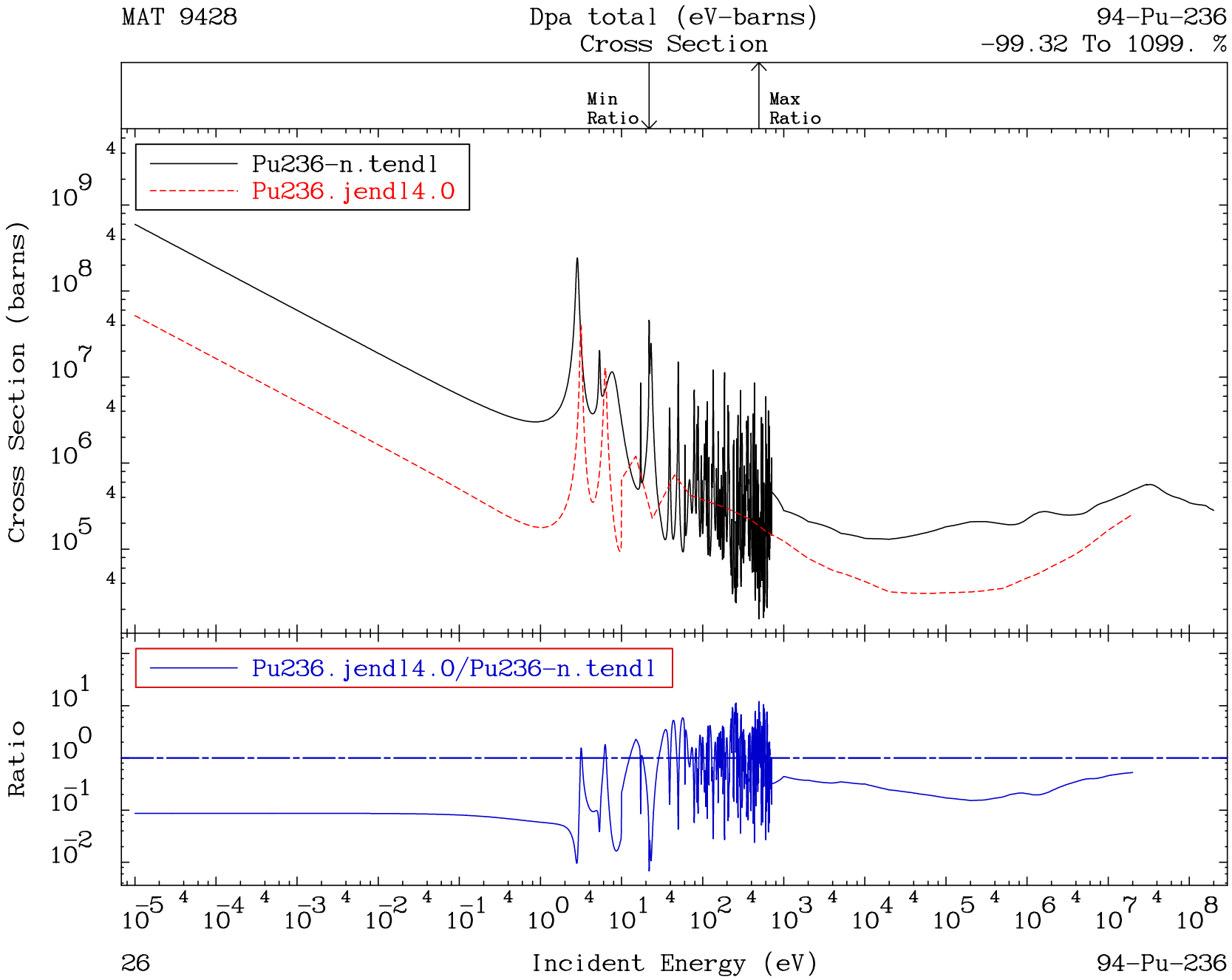

MAT 9428
Kerma inelastic (mt51-91)
Cross Section
94-Pu-236
113.9 To 9222. %
Min Ratio
Max Ratio
Pu236-n.tendl Threshold 50.000 keV
Pu236.jendl4.0 Threshold 50.000 keV
Cross Section (barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
21
94-Pu-236

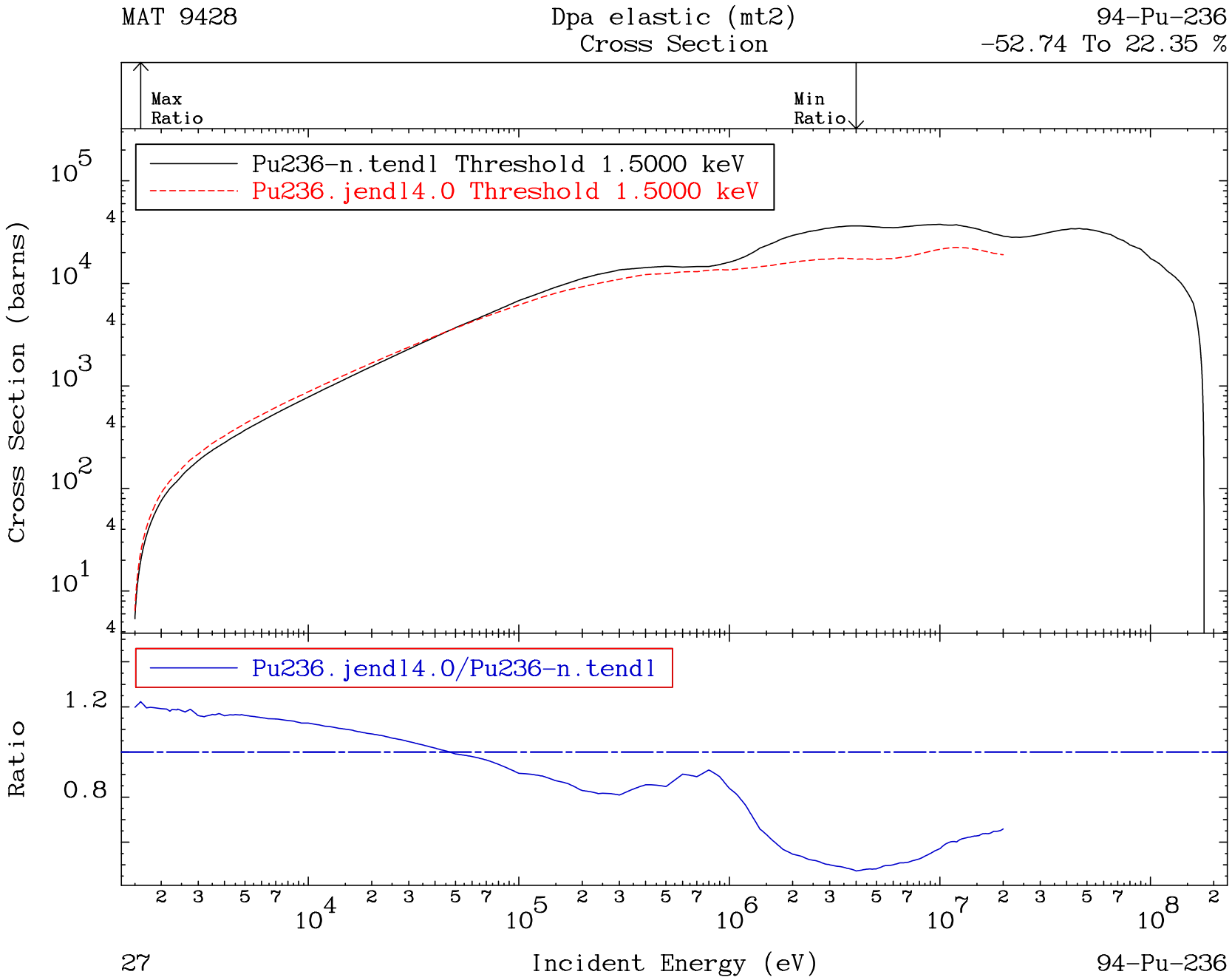

MAT 9428
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
94-Pu-236
-90.19 To 9999. %
Min Ratio
Max Ratio
Pu236-n.tendl
Pu236.jendl4.0
Cross Section (barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
22
94-Pu-236

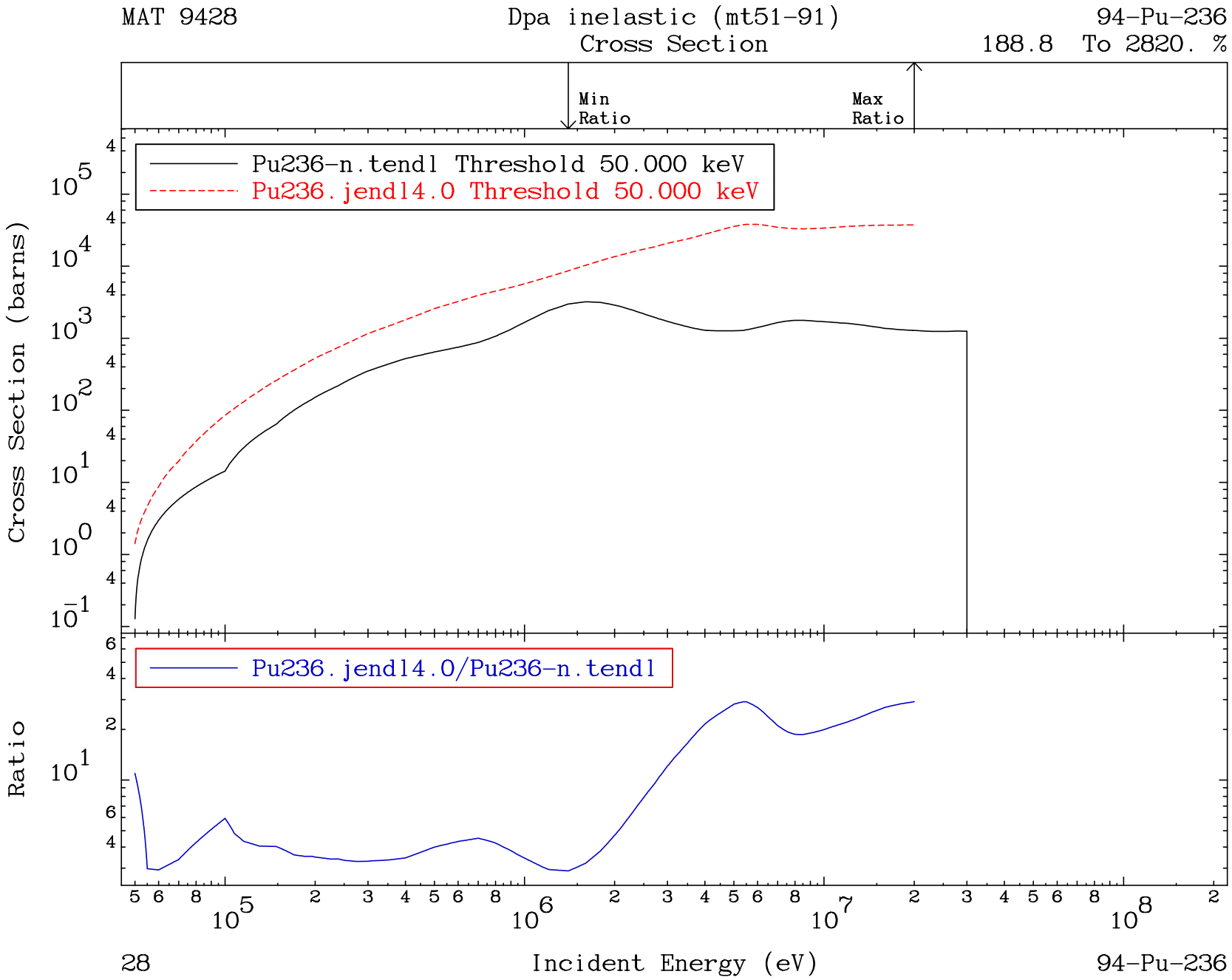

MAT 9428
Kerma capture (mt102)
Cross Section
94-Pu-236
-98.22 To 9999. %
Min Ratio
Max Ratio
Pu236-n.tendl
Pu236.jendl4.0
Cross Section (barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
23
94-Pu-236

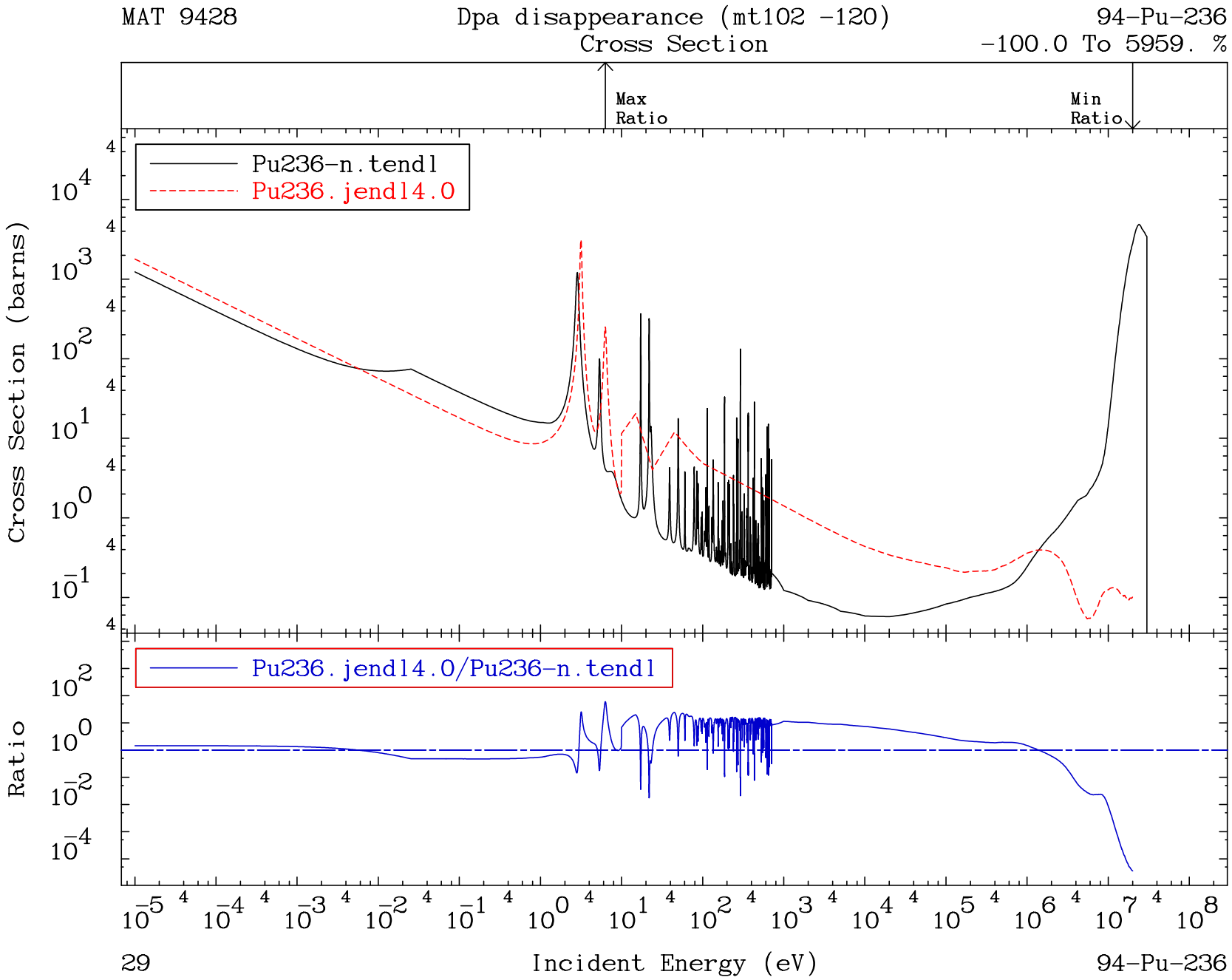

MAT 9428
Total photon (eV-barns)
Cross Section
94-Pu-236
-98.22 To 9999. %
Min Ratio
Max Ratio
Pu236-n.tendl
Pu236.jendl4.0
Cross Section (barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
24
94-Pu-236


MAT 9428
Total kinematic kerma (high limit)
Cross Section
94-Pu-236
-90.32 To 9999. %
Min Ratio
Max Ratio
Pu236-n.tendl
Pu236.jendl4.0
Cross Section (barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
25
94-Pu-236


MAT 9428
Dpa total (eV-barns)
Cross Section
94-Pu-236
-99.32 To 1099. %
Min Ratio
Max Ratio
Pu236-n.tendl
Pu236.jendl4.0
Cross Section (barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
26
94-Pu-236


MAT 9428
Dpa elastic (mt2)
Cross Section
94-Pu-236
-52.74 To 22.35 %
Max Ratio
Min Ratio
Pu236-n.tendl Threshold 1.5000 keV
Pu236.jendl4.0 Threshold 1.5000 keV
Cross Section (barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
27
94-Pu-236


MAT 9428
Dpa inelastic (mt51-91)
Cross Section
94-Pu-236
188.8 To 2820. %
Min Ratio
Max Ratio
Pu236-n.tendl Threshold 50.000 keV
Pu236.jendl4.0 Threshold 50.000 keV
Cross Section (barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
Incident Energy (eV)
28
94-Pu-236


MAT 9428
Dpa disappearance (mt102 -120)
Cross Section
94-Pu-236
-100.0 To 5959. %
Max Ratio
Min Ratio
Pu236-n.tendl
Pu236.jendl4.0
Cross Section (barns)
Pu236.jendl4.0/Pu236-n.tendl
Ratio
29
Incident Energy (eV)
94-Pu-236