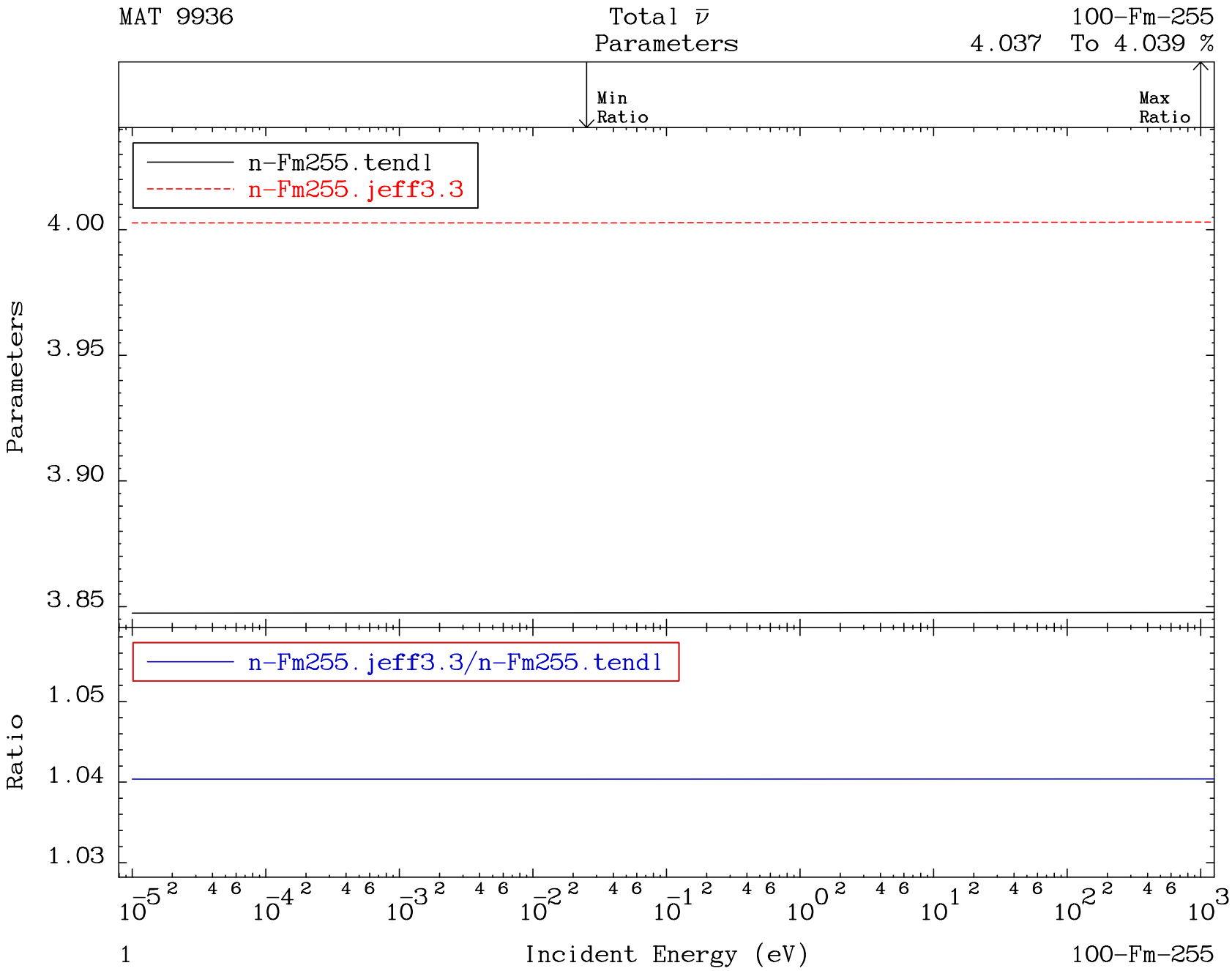
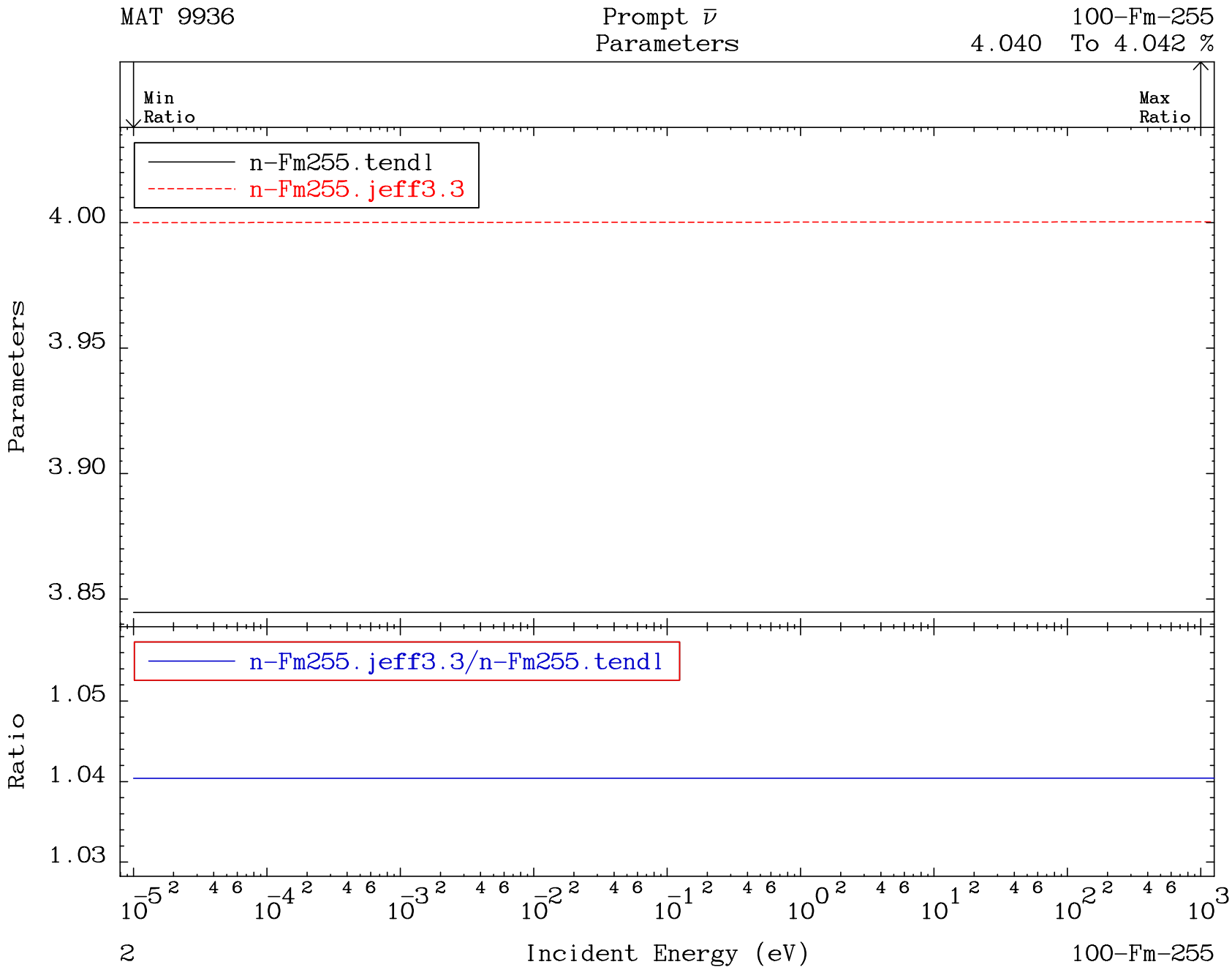
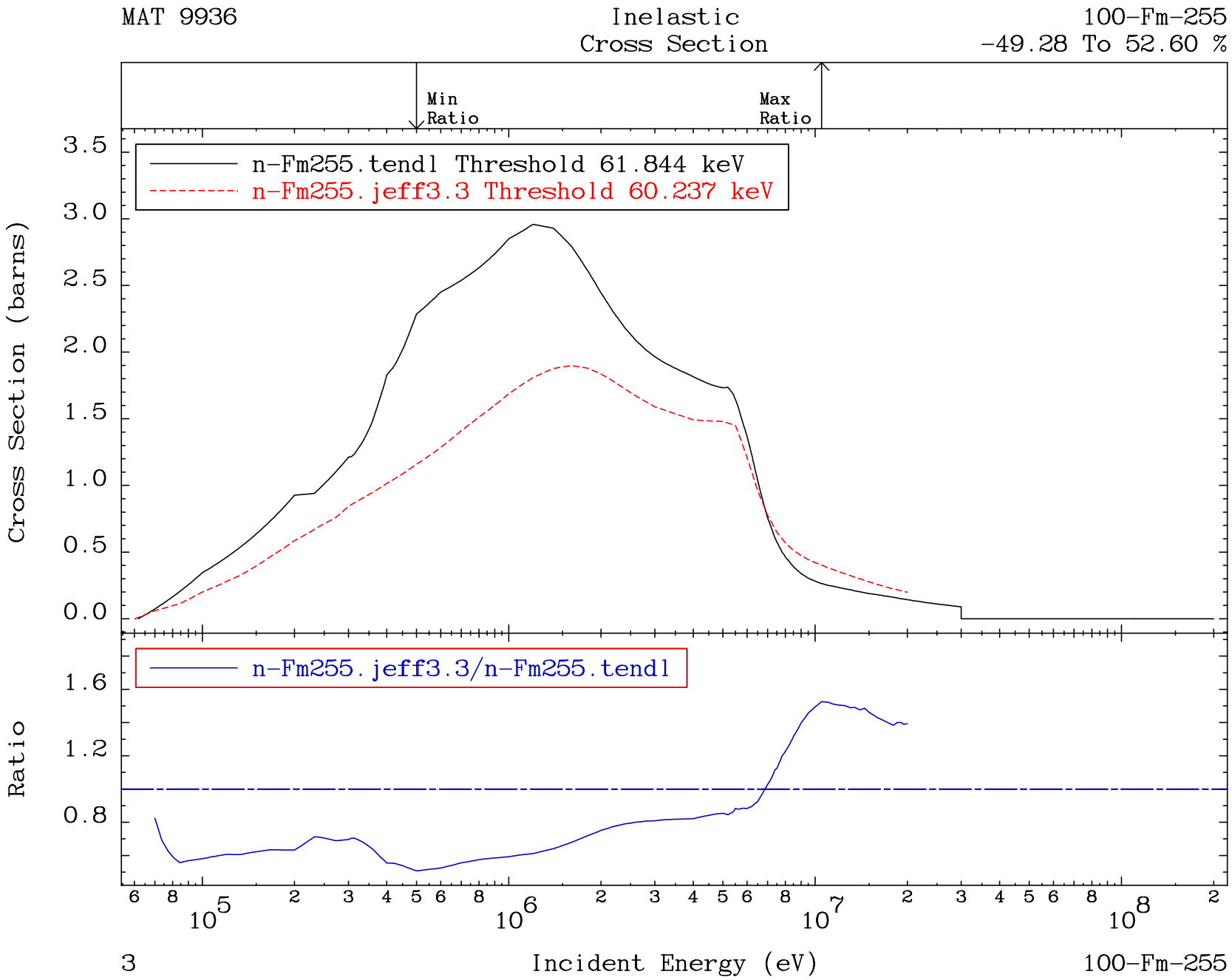
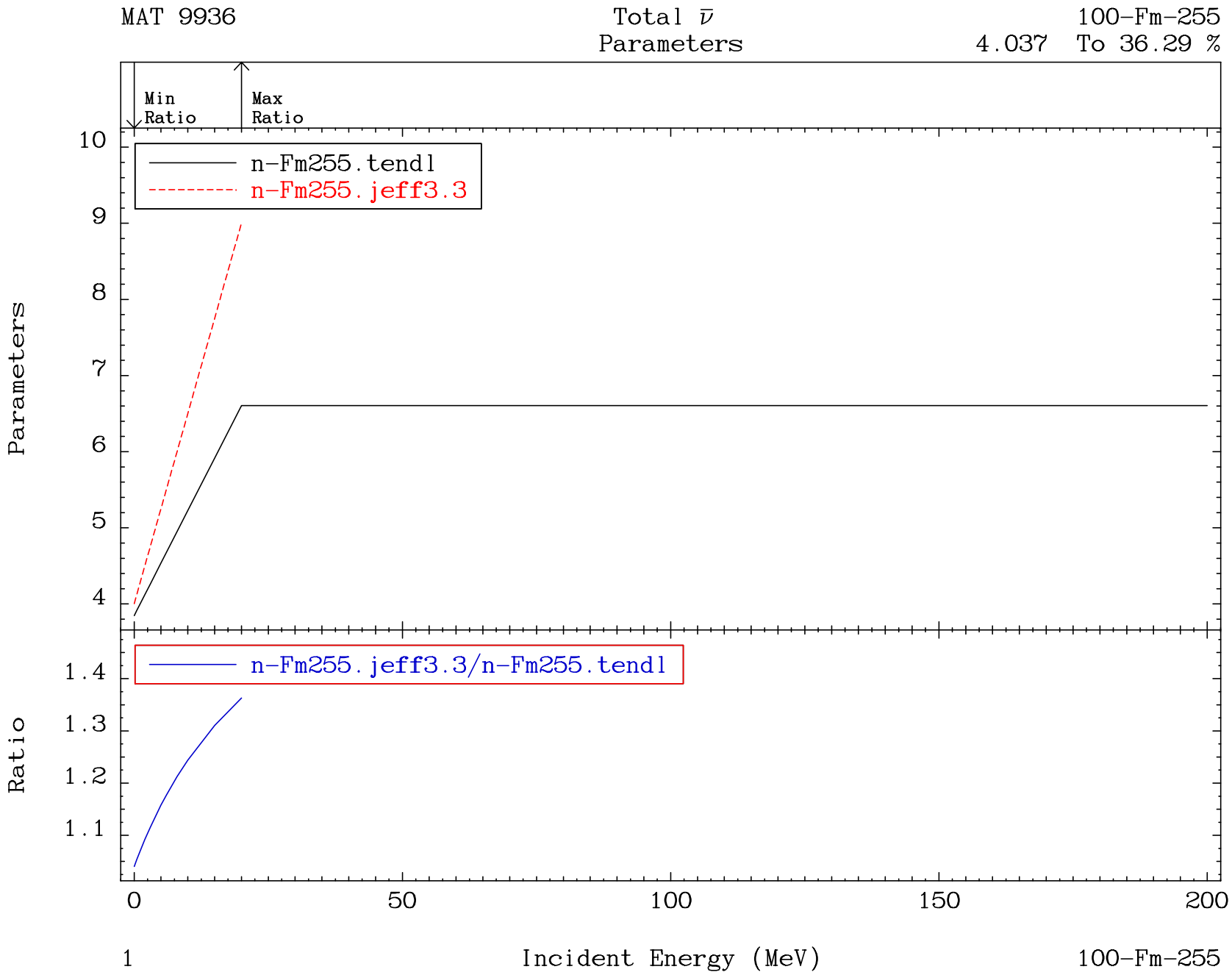
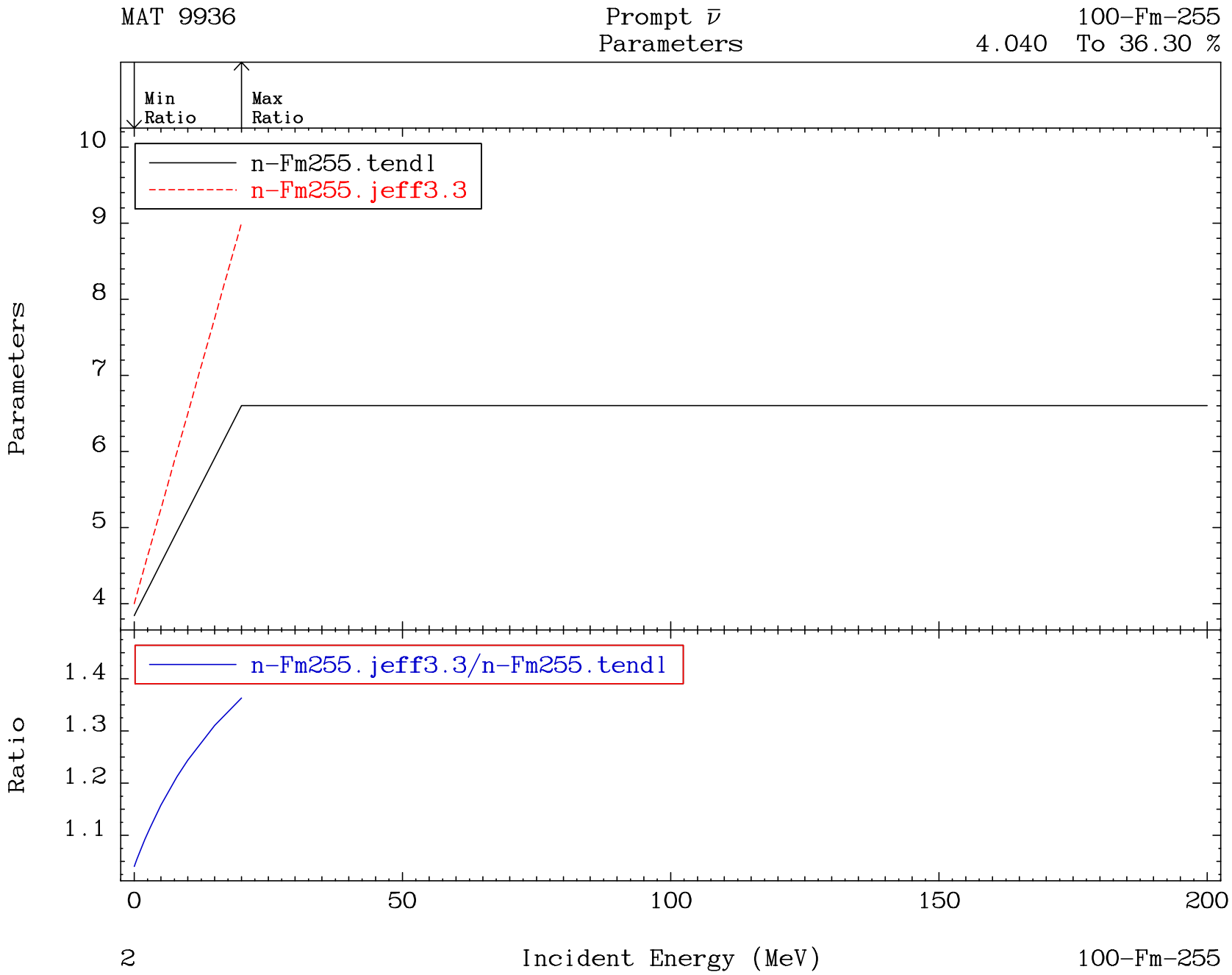
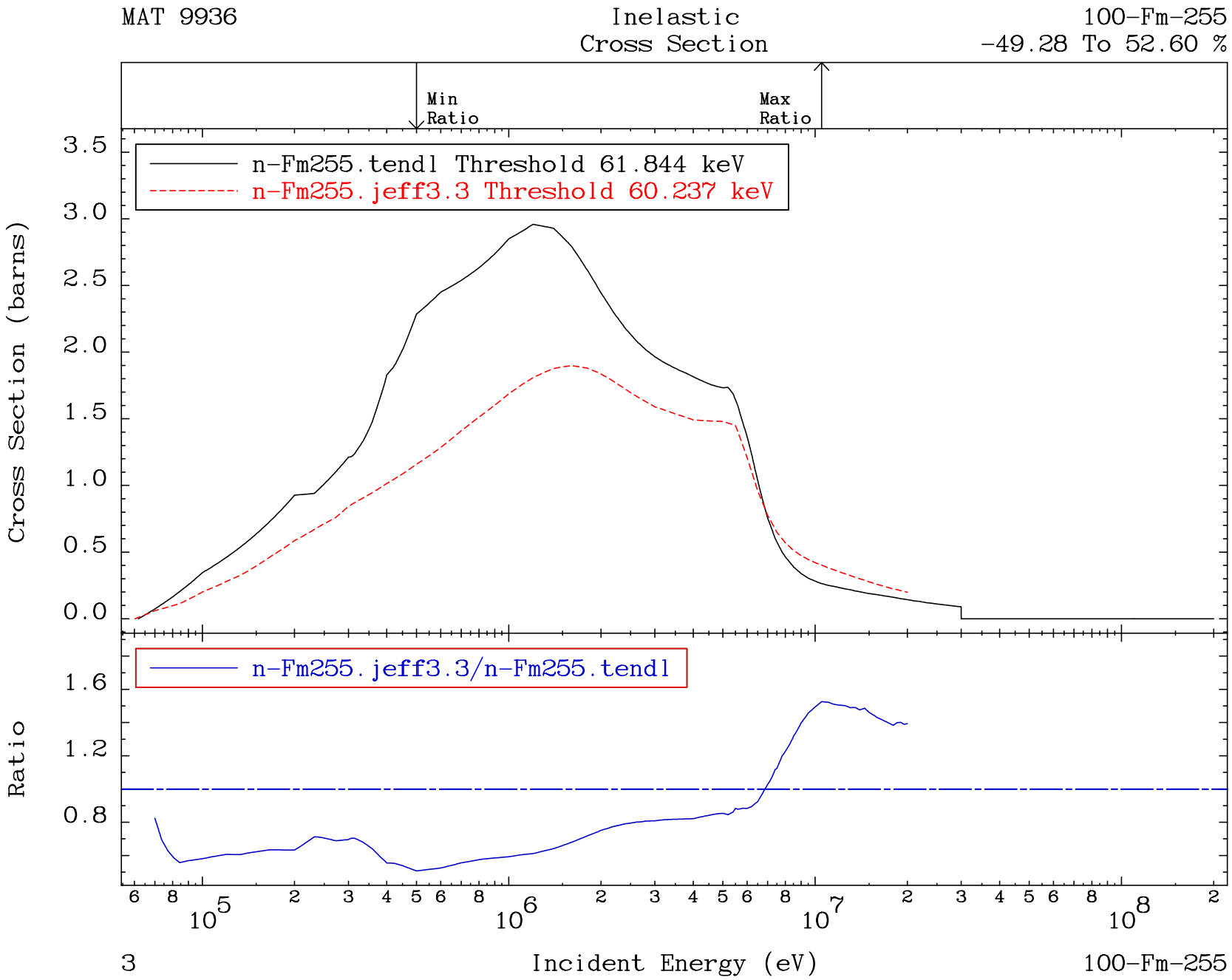

MAT 9936
Total $\bar{\nu}$
Parameters
100-Fm-255
4.037 To 4.039 %
Min Ratio
Max Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
4.00
3.95
3.90
3.85
Parameters
n-Fm255.jeff3.3/n-Fm255.tendl
1.05
1.04
1.03
Ratio
$10^{-5}$ $10^{-4}$ $10^{-3}$ $10^{-2}$ $10^{-1}$ $10^{0}$ $10^{1}$ $10^{2}$ $10^{3}$
1
Incident Energy (eV)
100-Fm-255

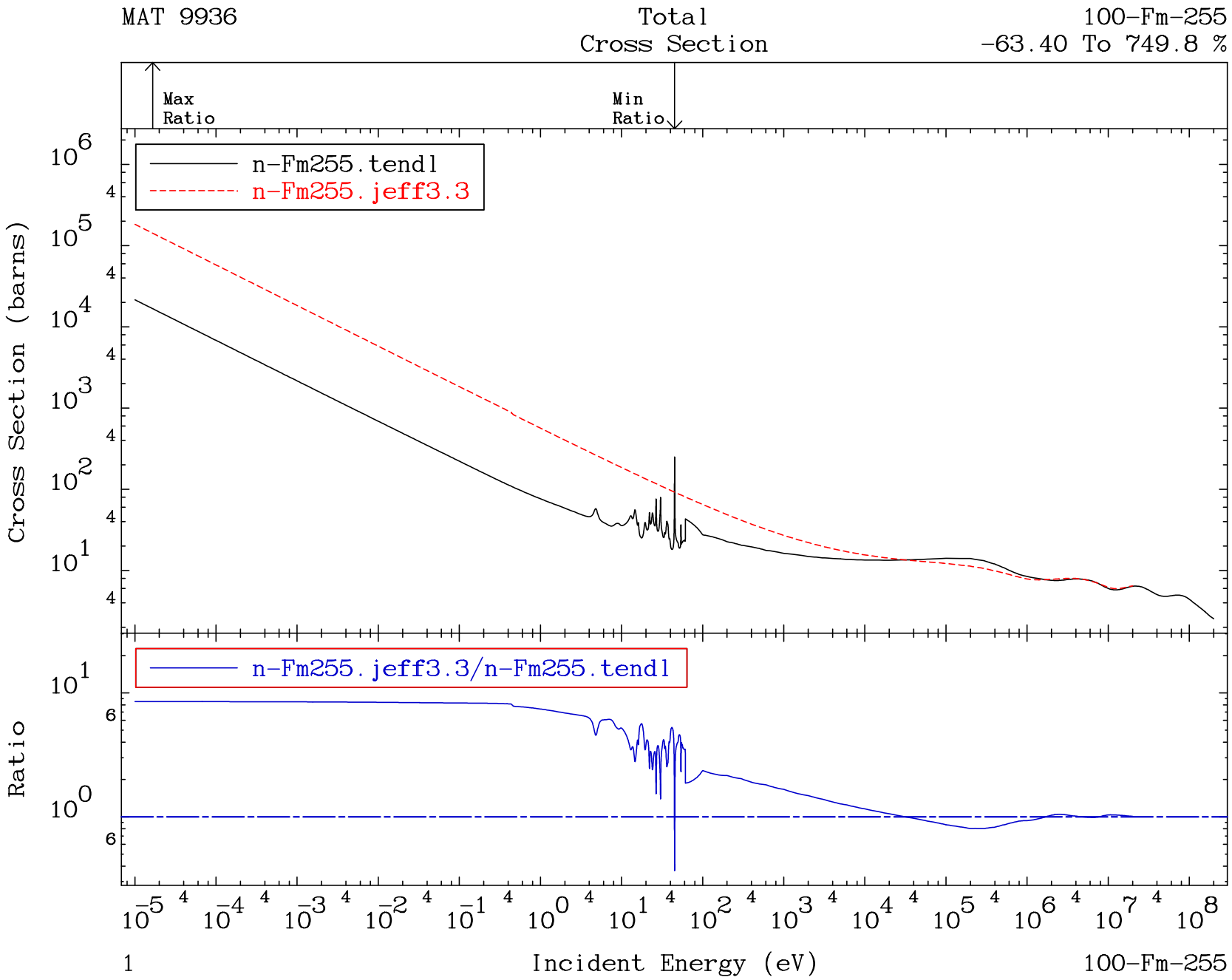

MAT 9936
Prompt $\bar{\nu}$
Parameters
100-Fm-255
4.040 To 4.042 %
Min Ratio
Max Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
4.00
3.95
3.90
3.85
Parameters
n-Fm255.jeff3.3/n-Fm255.tendl
1.05
1.04
1.03
Ratio
$10^{-5}$ $10^{-4}$ $10^{-3}$ $10^{-2}$ $10^{-1}$ $10^{0}$ $10^{1}$ $10^{2}$ $10^{3}$
Incident Energy (eV)
2
100-Fm-255

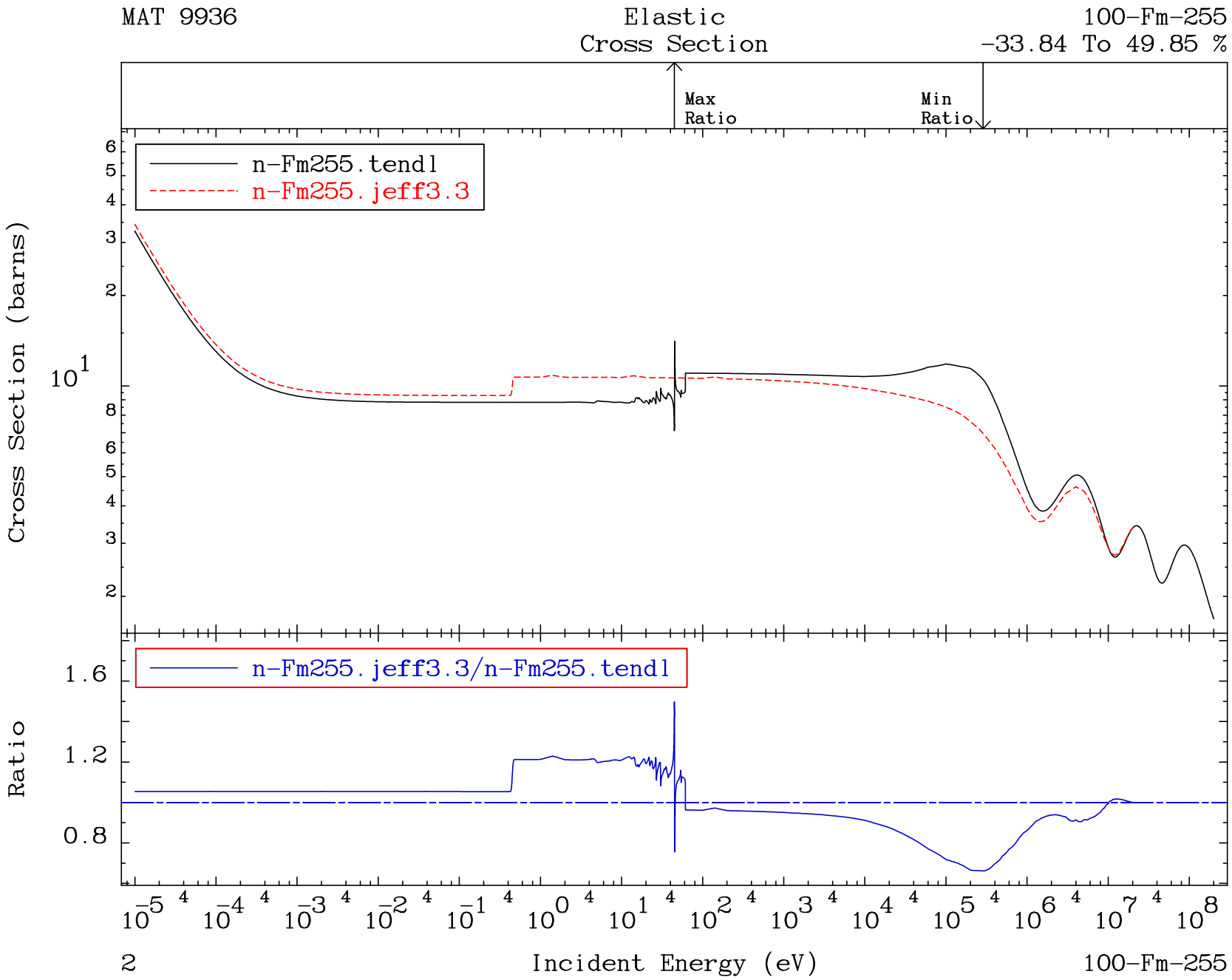

MAT 9936
Inelastic
Cross Section
100-Fm-255
-49.28 To 52.60 %
Min
Ratio
Max
Ratio
n-Fm255.tendl Threshold 61.844 keV
n-Fm255.jeff3.3 Threshold 60.237 keV
Cross Section (barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
1.6
1.2
0.8
6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
3
Incident Energy (eV)
100-Fm-255

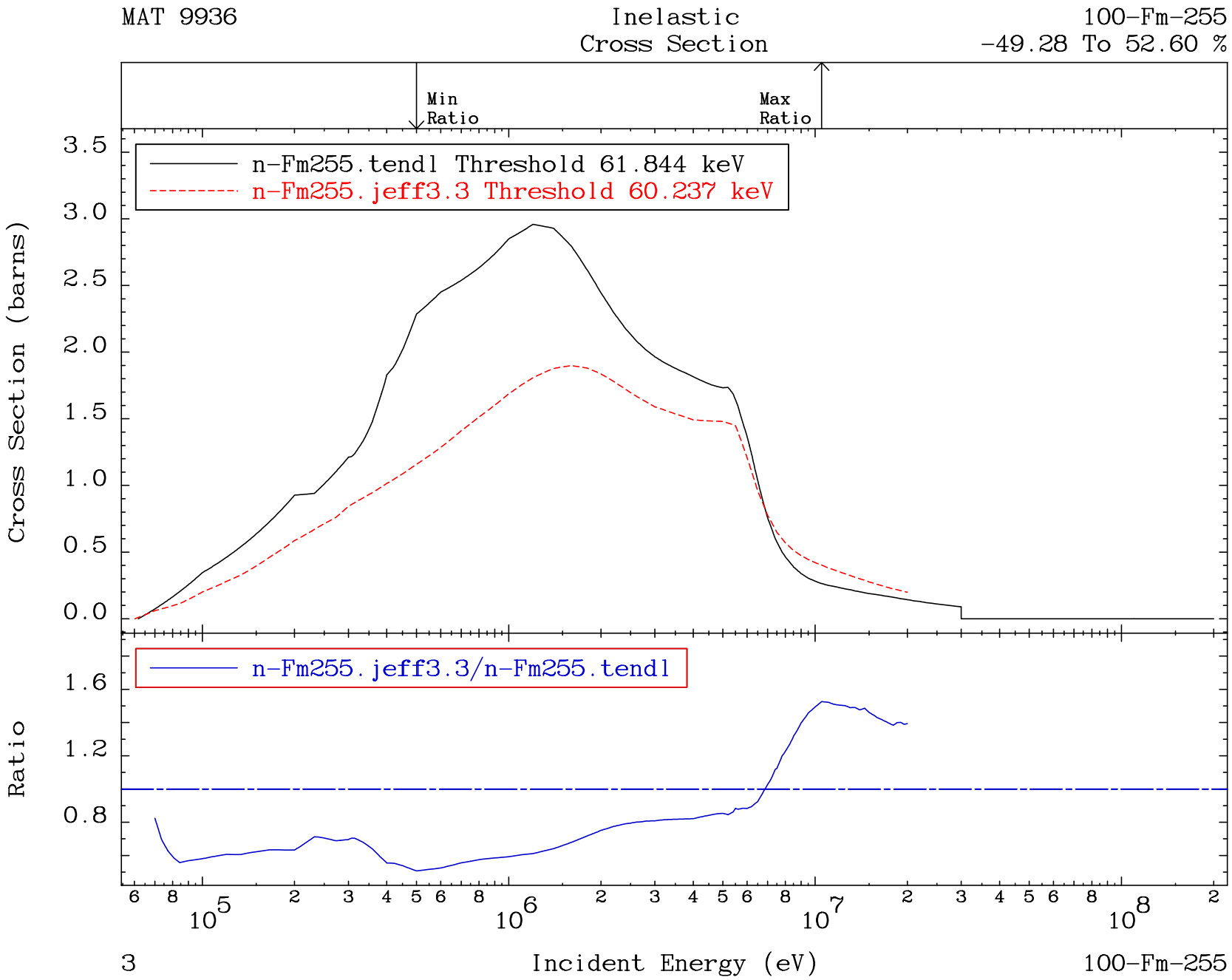

MAT 9936
Total $\bar{\nu}$
Parameters
100-Fm-255
4.037 To 36.29 %
Min Ratio
Max Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
Parameters
10
9
8
7
6
5
4
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
1.4
1.3
1.2
1.1
0
50
100
150
200
1
Incident Energy (MeV)
100-Fm-255

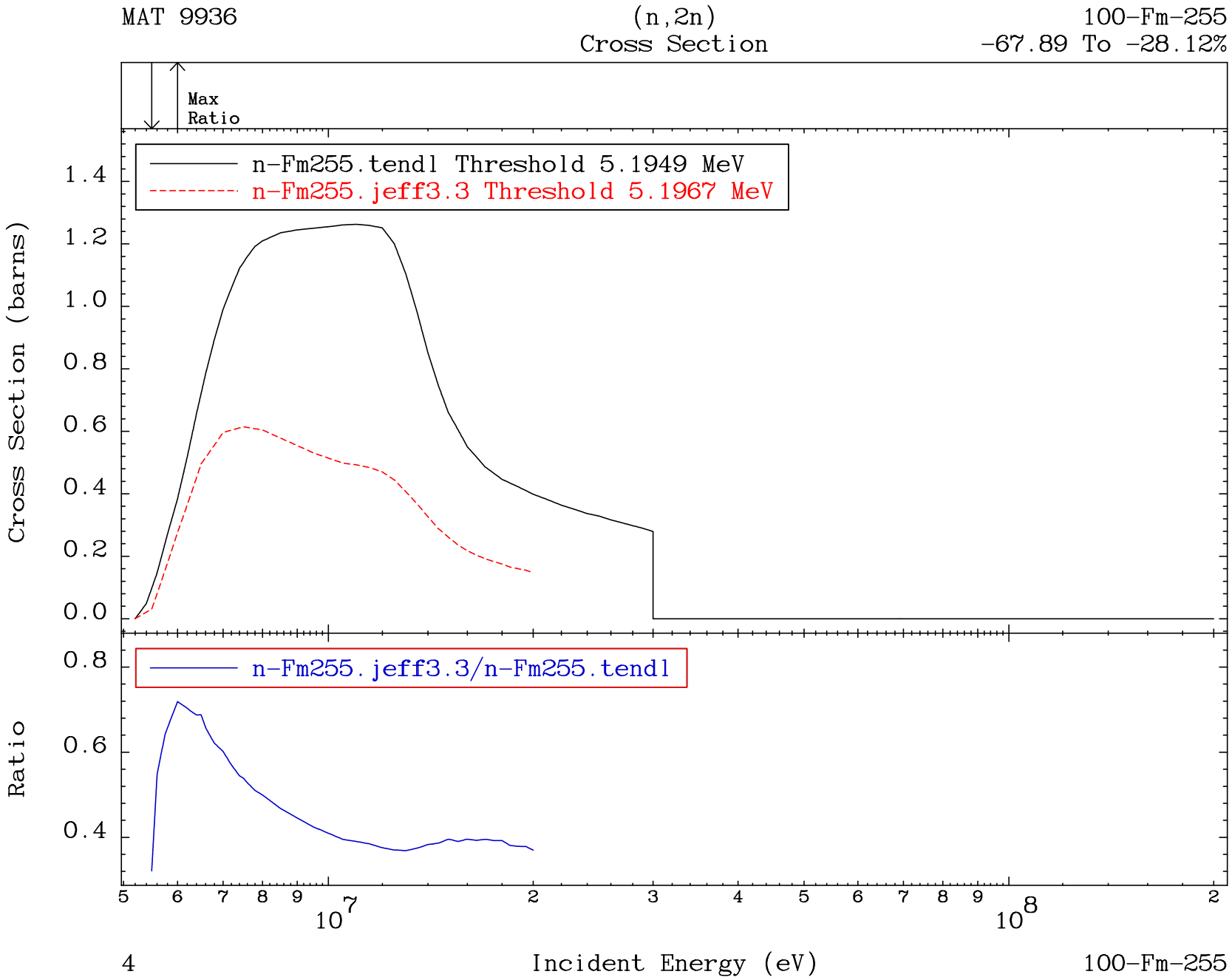

MAT 9936
Prompt $\bar{\nu}$
Parameters
100-Fm-255
4.040 To 36.30 %
Min Ratio
Max Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
Parameters
10
9
8
7
6
5
4
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
1.4
1.3
1.2
1.1
0
50
100
150
200
2
Incident Energy (MeV)
100-Fm-255

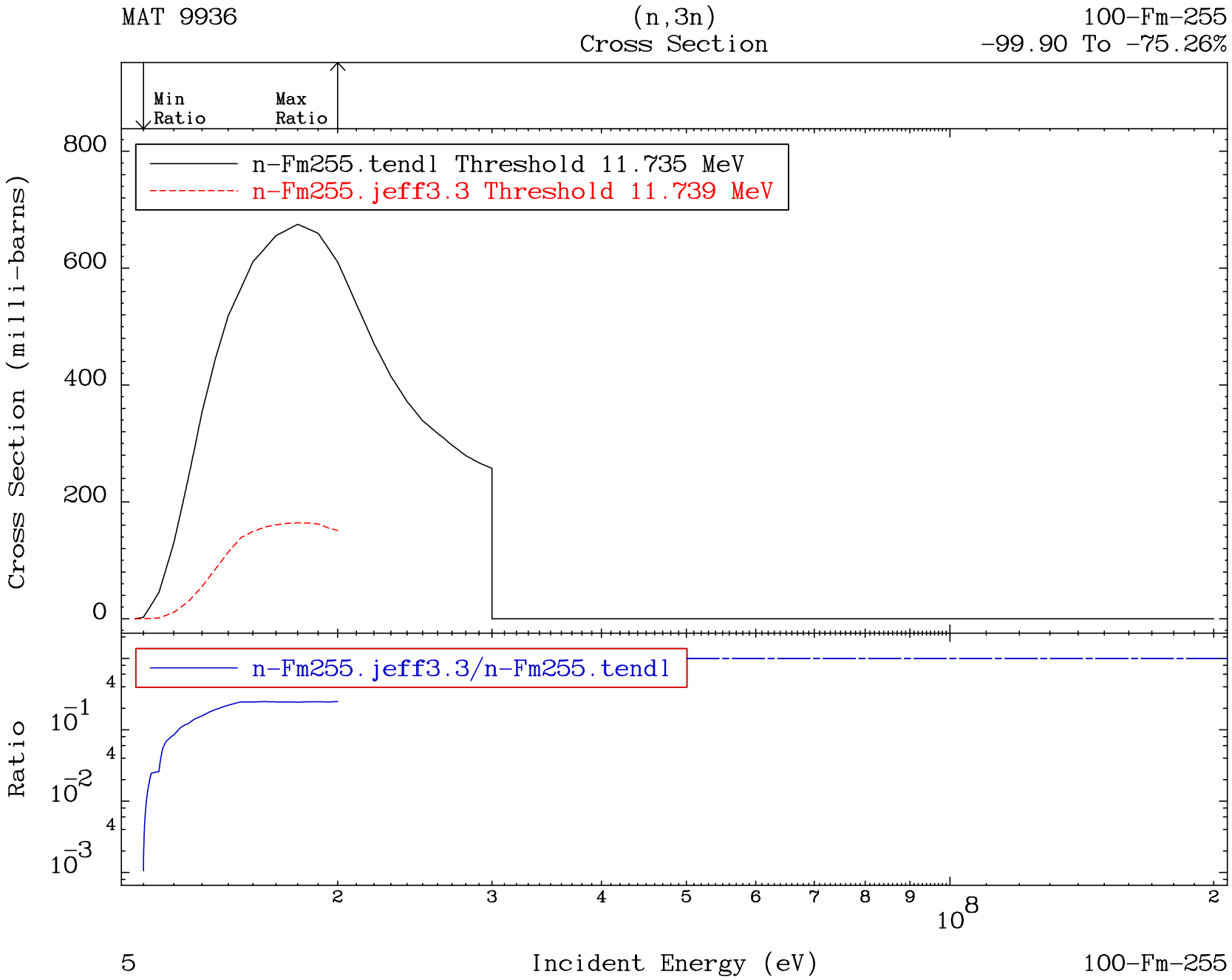

MAT 9936
Inelastic
Cross Section
100-Fm-255
-49.28 To 52.60 %
Min
Ratio
Max
Ratio
n-Fm255.tendl Threshold 61.844 keV
n-Fm255.jeff3.3 Threshold 60.237 keV
Cross Section (barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
1.6
1.2
0.8
6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
3
Incident Energy (eV)
100-Fm-255

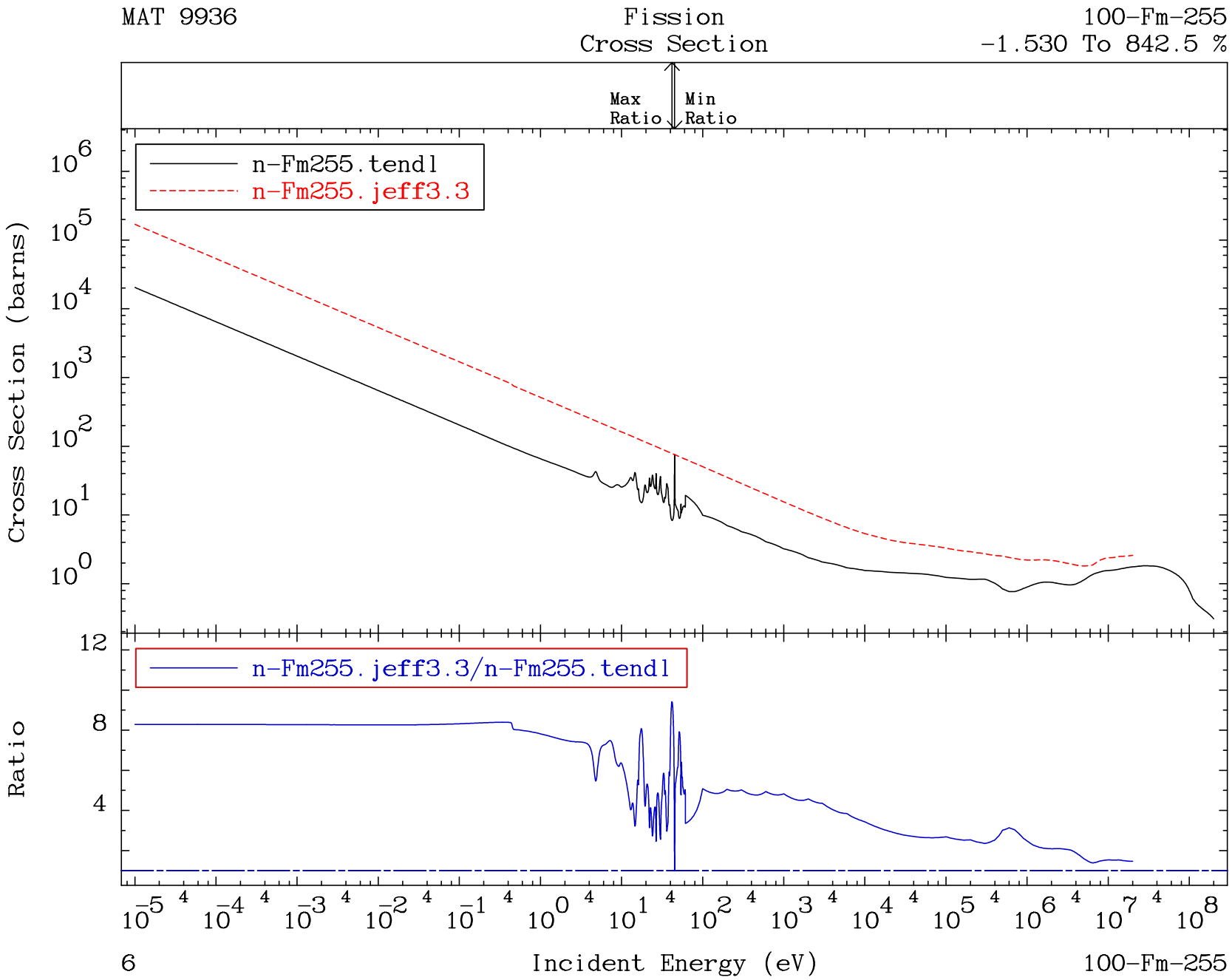

MAT 9936
Total
Cross Section
100-Fm-255
-63.40 To 749.8 %
Max
Ratio
Min
Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
Cross Section (barns)
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
Incident Energy (eV)
1
100-Fm-255

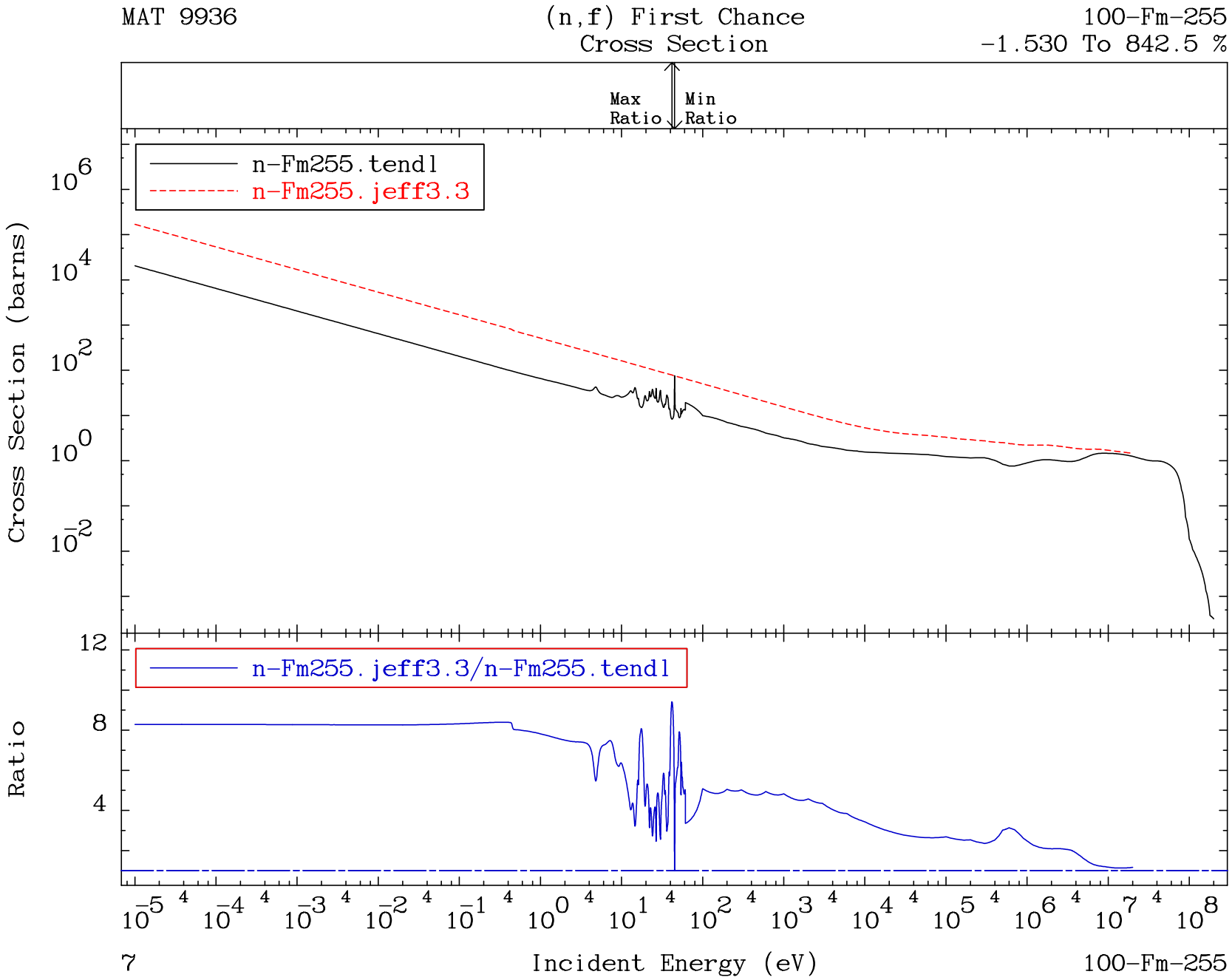

MAT 9936
Elastic
Cross Section
100-Fm-255
-33.84 To 49.85 %
Max
Ratio
Min
Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
Cross Section (barns)
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
Incident Energy (eV)
2
100-Fm-255

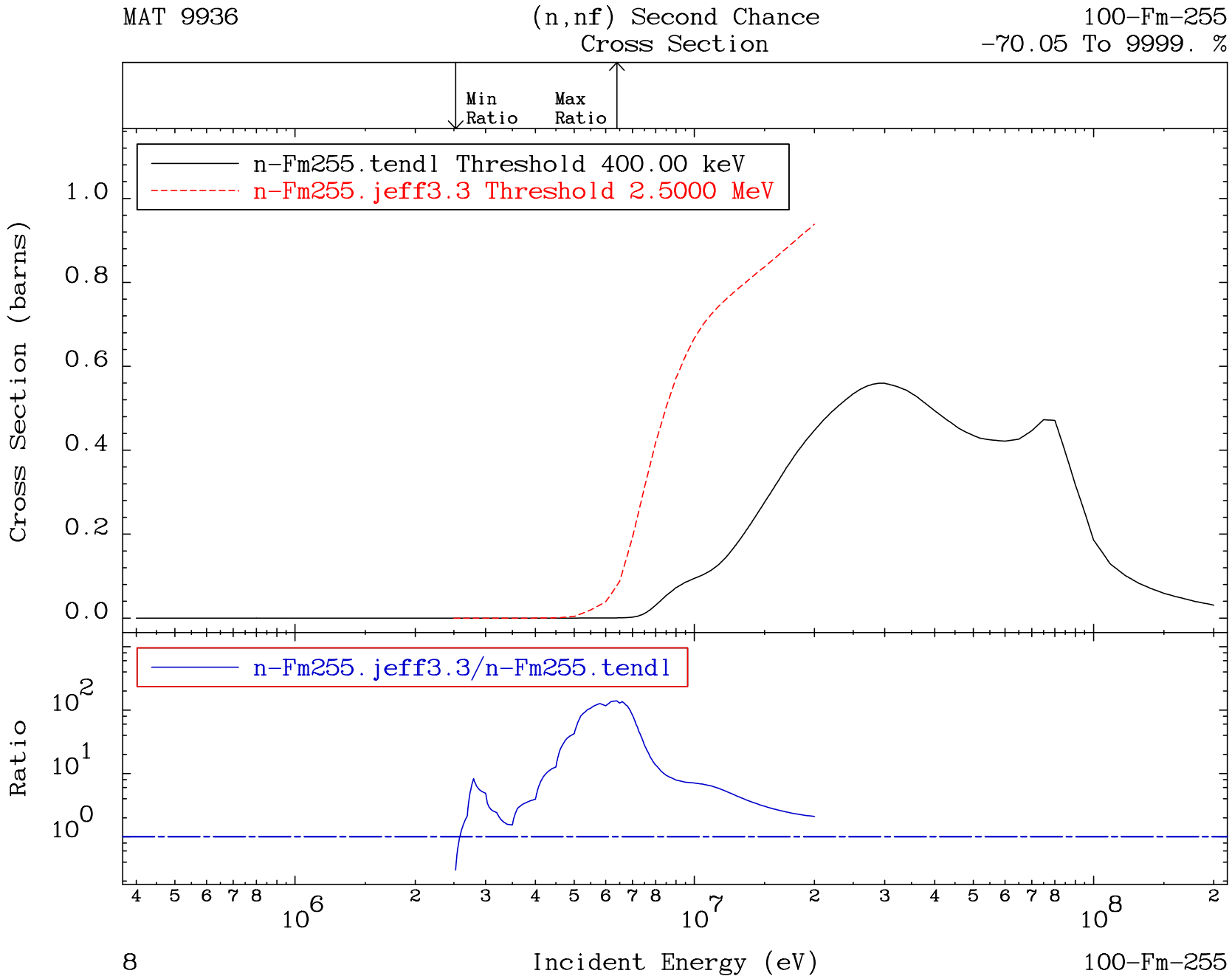

MAT 9936
Inelastic
Cross Section
100-Fm-255
-49.28 To 52.60 %
Min
Ratio
Max
Ratio
n-Fm255.tendl Threshold 61.844 keV
n-Fm255.jeff3.3 Threshold 60.237 keV
Cross Section (barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
1.6
1.2
0.8
6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
3
Incident Energy (eV)
100-Fm-255

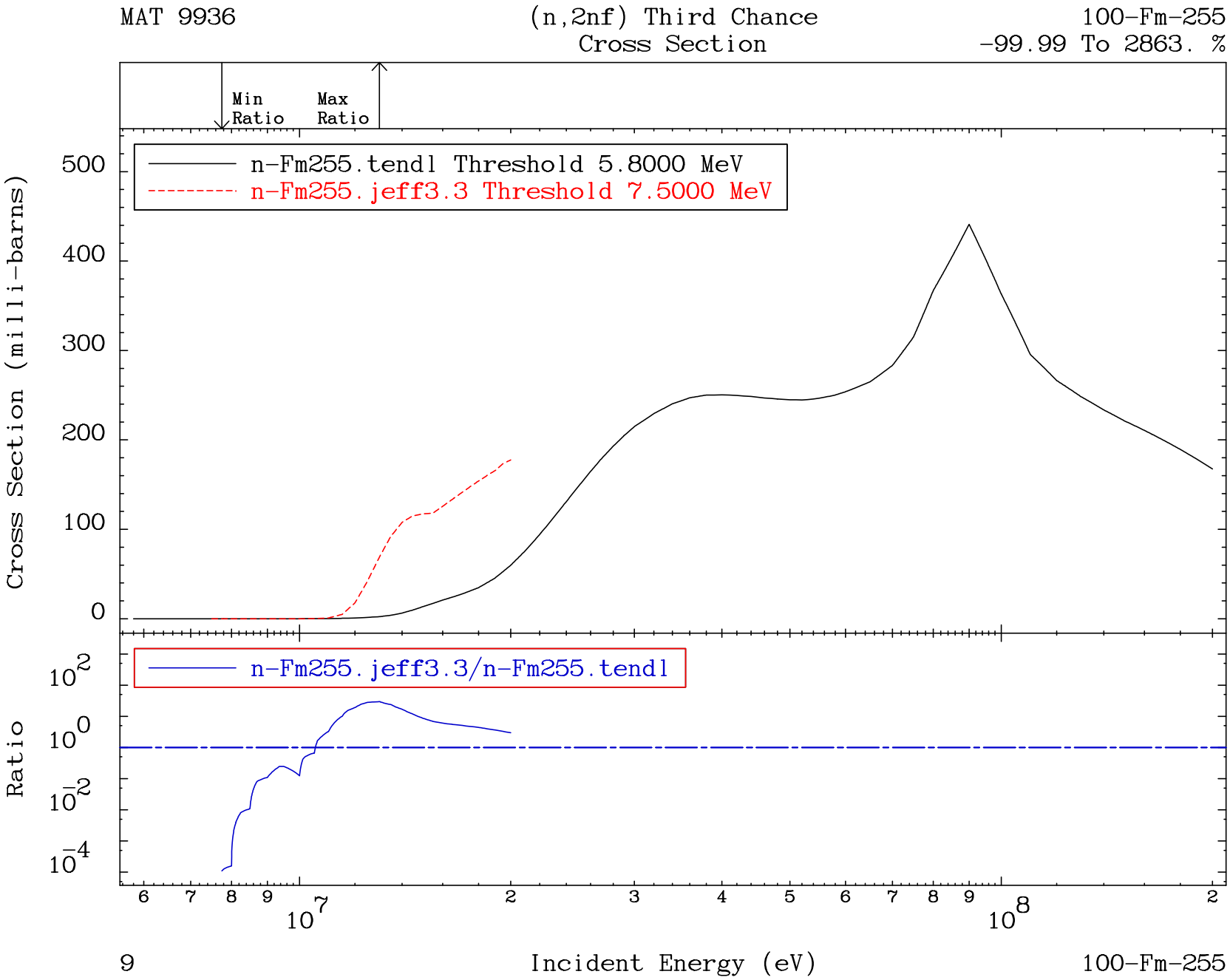

MAT 9936
(n,2n)
Cross Section
100-Fm-255
-67.89 To -28.12%
Max
Ratio
n-Fm255.tendl Threshold 5.1949 MeV
n-Fm255.jeff3.3 Threshold 5.1967 MeV
Cross Section (barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
0.8
0.6
0.4
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
4
Incident Energy (eV)
100-Fm-255

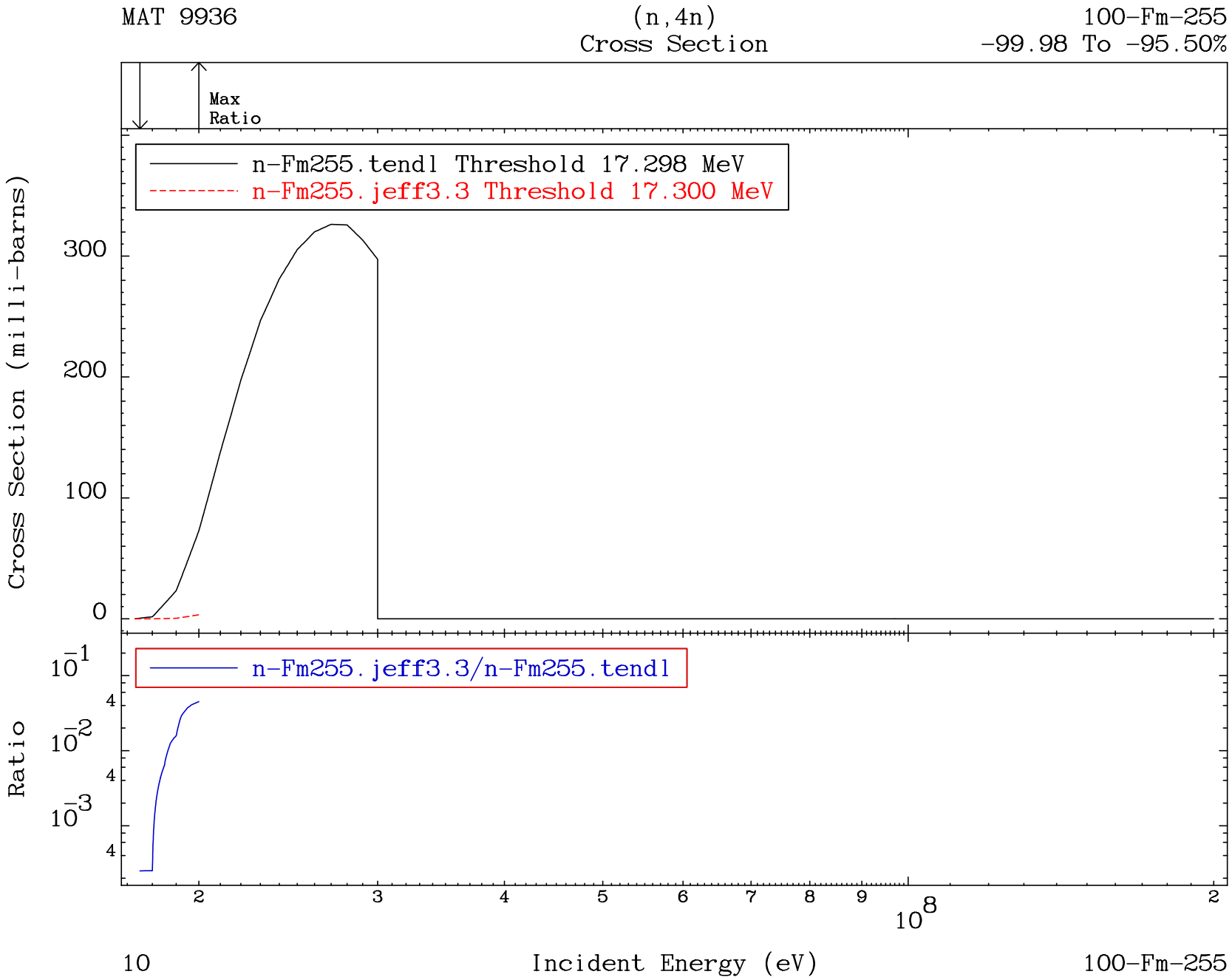

MAT 9936
(n,3n)
Cross Section
100-Fm-255
-99.90 To -75.26%
Min Ratio
Max Ratio
n-Fm255.tendl Threshold 11.735 MeV
n-Fm255.jeff3.3 Threshold 11.739 MeV
Cross Section (milli-barns)
800
600
400
200
0
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
$10^{-1}$
$10^{-2}$
$10^{-3}$
2
3
4
5
6
7
8
9
$10^{8}$
2
5
Incident Energy (eV)
100-Fm-255

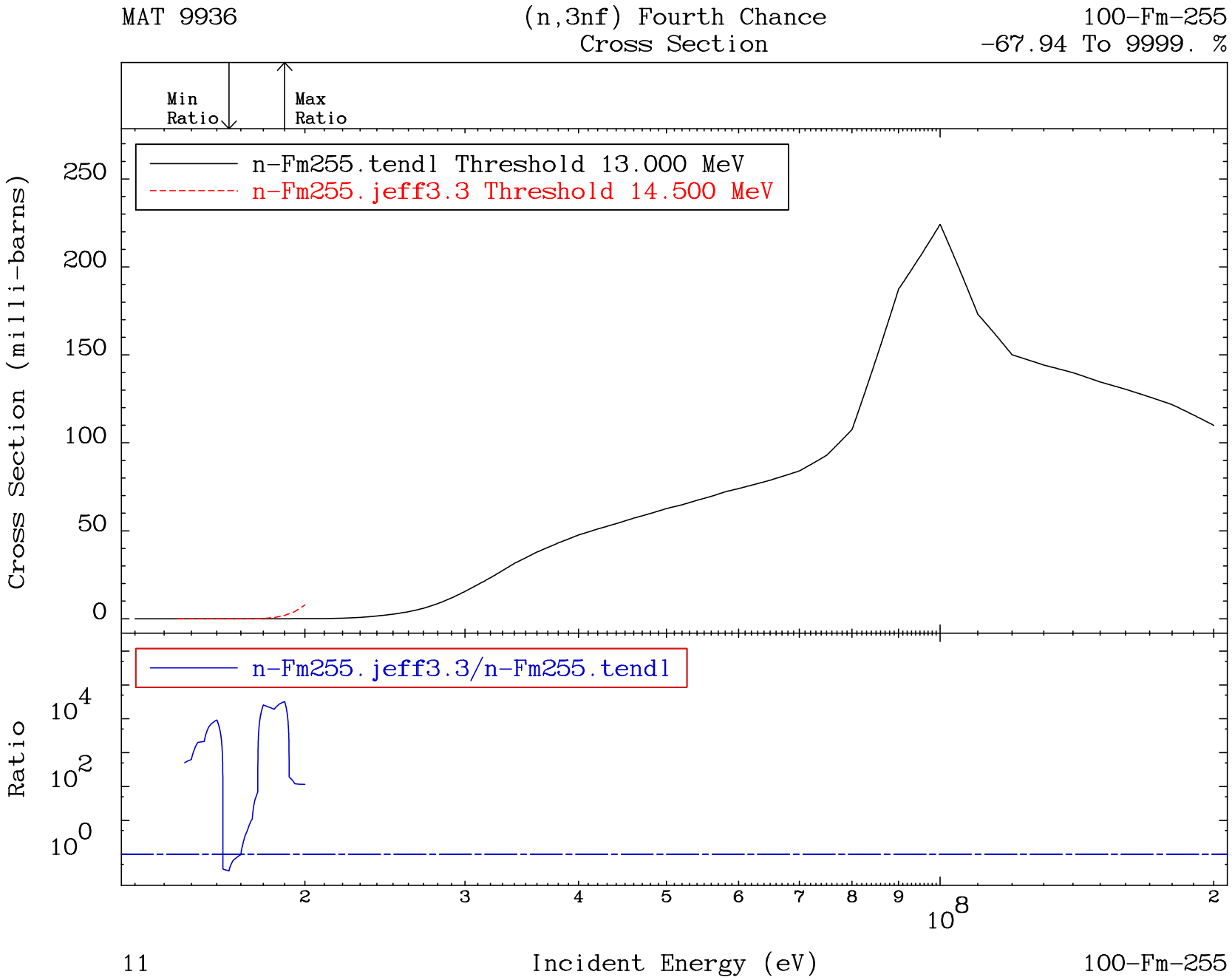

MAT 9936
Fission
Cross Section
100-Fm-255
-1.530 To 842.5 %
Max Ratio
Min Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
Cross Section (barns)
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
Incident Energy (eV)
6
100-Fm-255

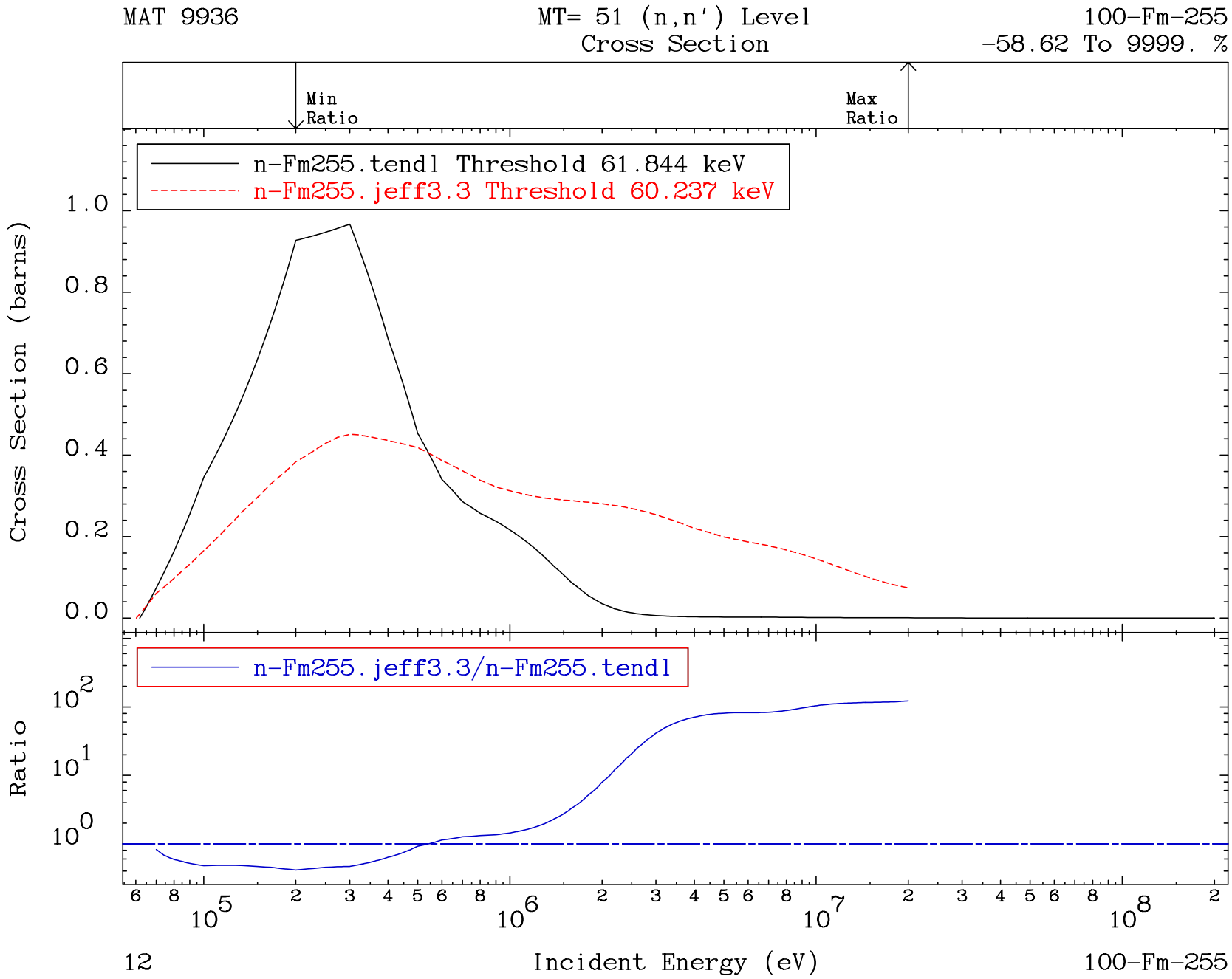

MAT 9936
(n,f) First Chance
Cross Section
100-Fm-255
-1.530 To 842.5 %
Max Ratio
Min Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
Cross Section (barns)
10^6
10^4
10^2
10^0
10^-2
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
12
8
4
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
7
Incident Energy (eV)
100-Fm-255

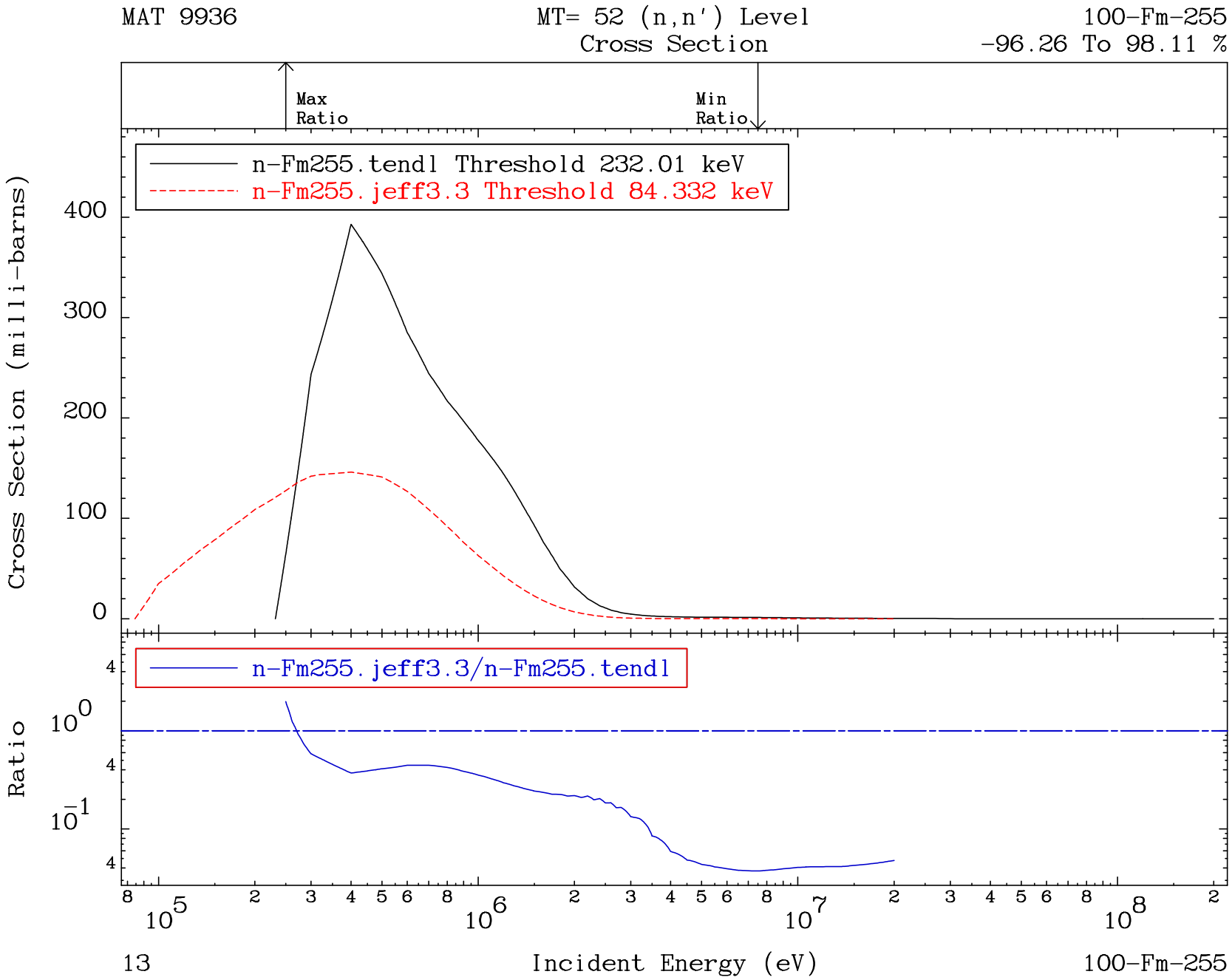

MAT 9936
(n,nf) Second Chance
Cross Section
100-Fm-255
-70.05 To 9999. %
Min
Ratio
Max
Ratio
n-Fm255.tendl Threshold 400.00 keV
n-Fm255.jeff3.3 Threshold 2.5000 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
10^2
10^1
10^0
4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
8
Incident Energy (eV)
100-Fm-255

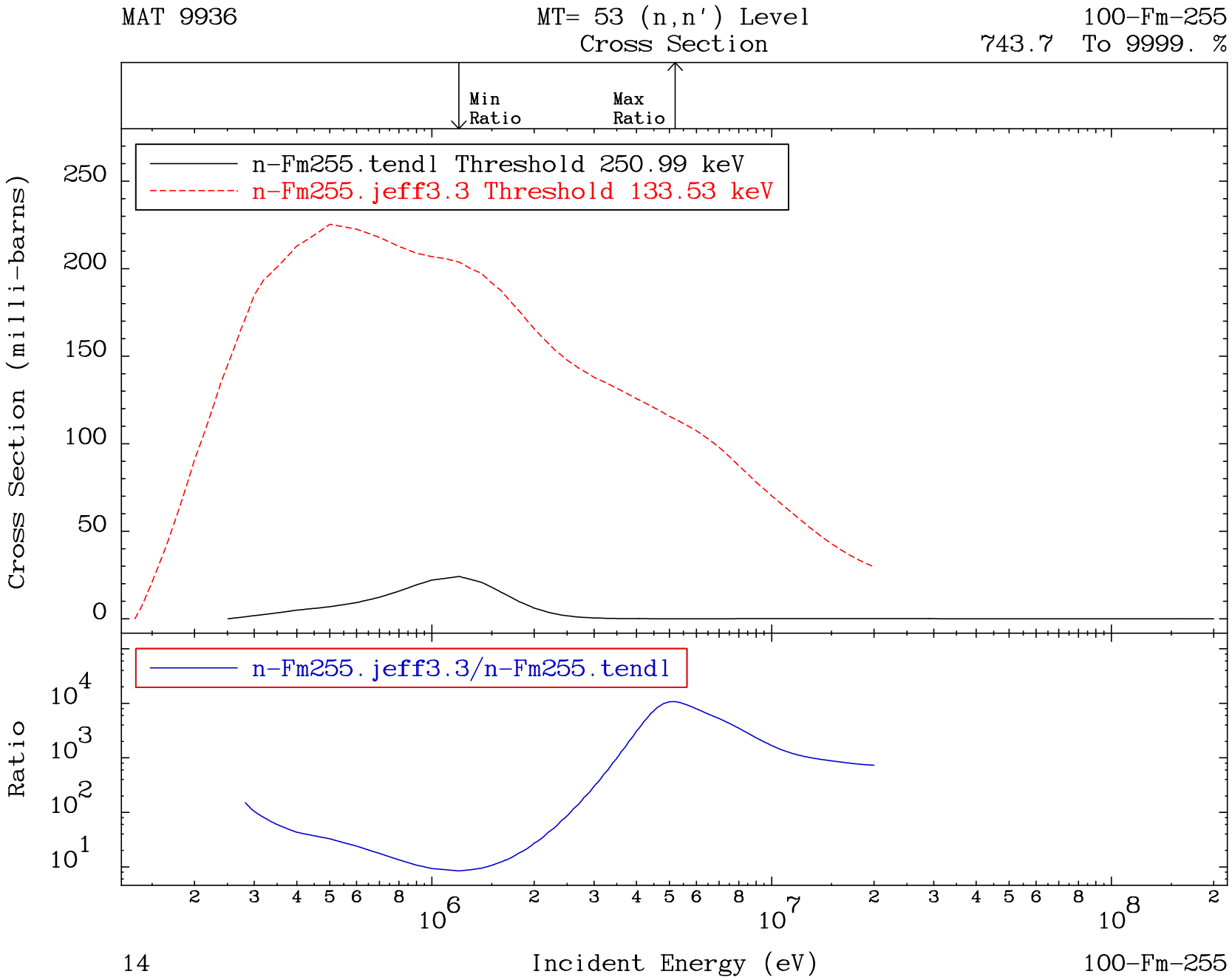

MAT 9936
(n,2nf) Third Chance
Cross Section
100-Fm-255
-99.99 To 2863. %
Min Ratio
Max Ratio
n-Fm255.tendl Threshold 5.8000 MeV
n-Fm255.jeff3.3 Threshold 7.5000 MeV
Cross Section (milli-barns)
500
400
300
200
100
0
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
10^2
10^0
10^-2
10^-4
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
9
Incident Energy (eV)
100-Fm-255

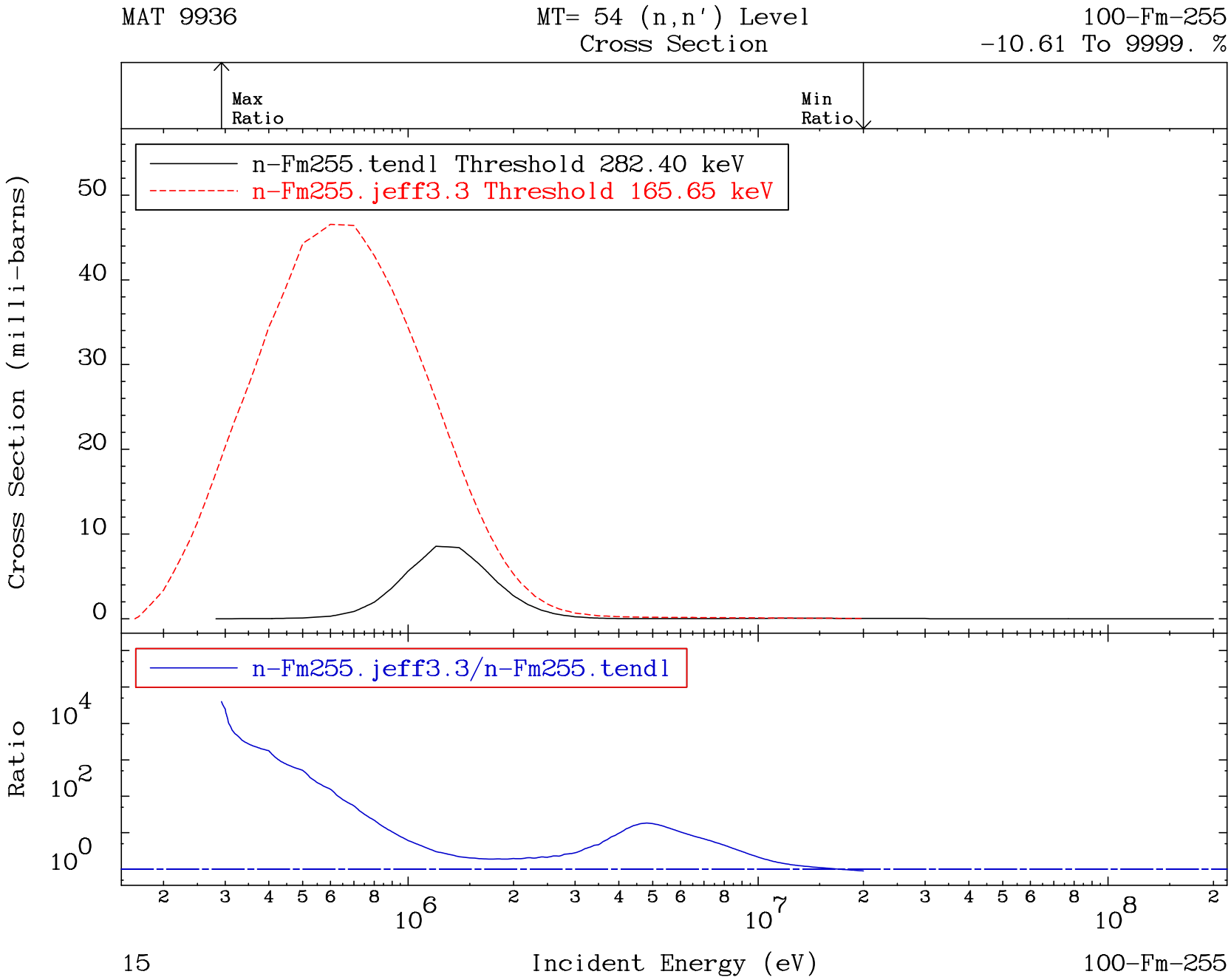

MAT 9936
(n,4n)
Cross Section
100-Fm-255
-99.98 To -95.50%
Max
Ratio
n-Fm255.tendl Threshold 17.298 MeV
n-Fm255.jeff3.3 Threshold 17.300 MeV
Cross Section (milli-barns)
300
200
100
0
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
10^-1
10^-2
10^-3
4
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
100-Fm-255

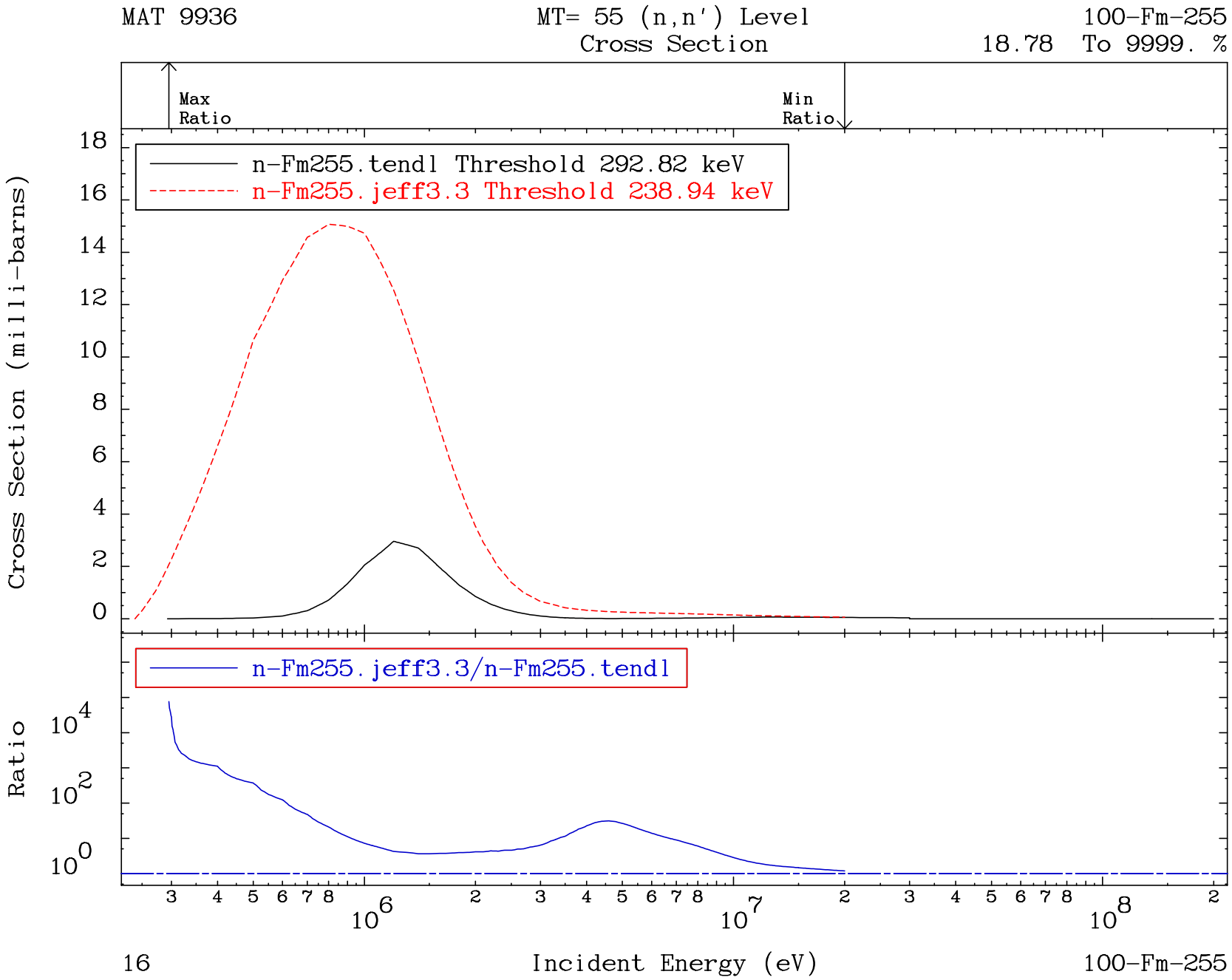

MAT 9936
(n,3nf) Fourth Chance
Cross Section
100-Fm-255
-67.94 To 9999. %
Min Ratio
Max Ratio
n-Fm255.tendl Threshold 13.000 MeV
n-Fm255.jeff3.3 Threshold 14.500 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
10^4
10^2
10^0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
100-Fm-255

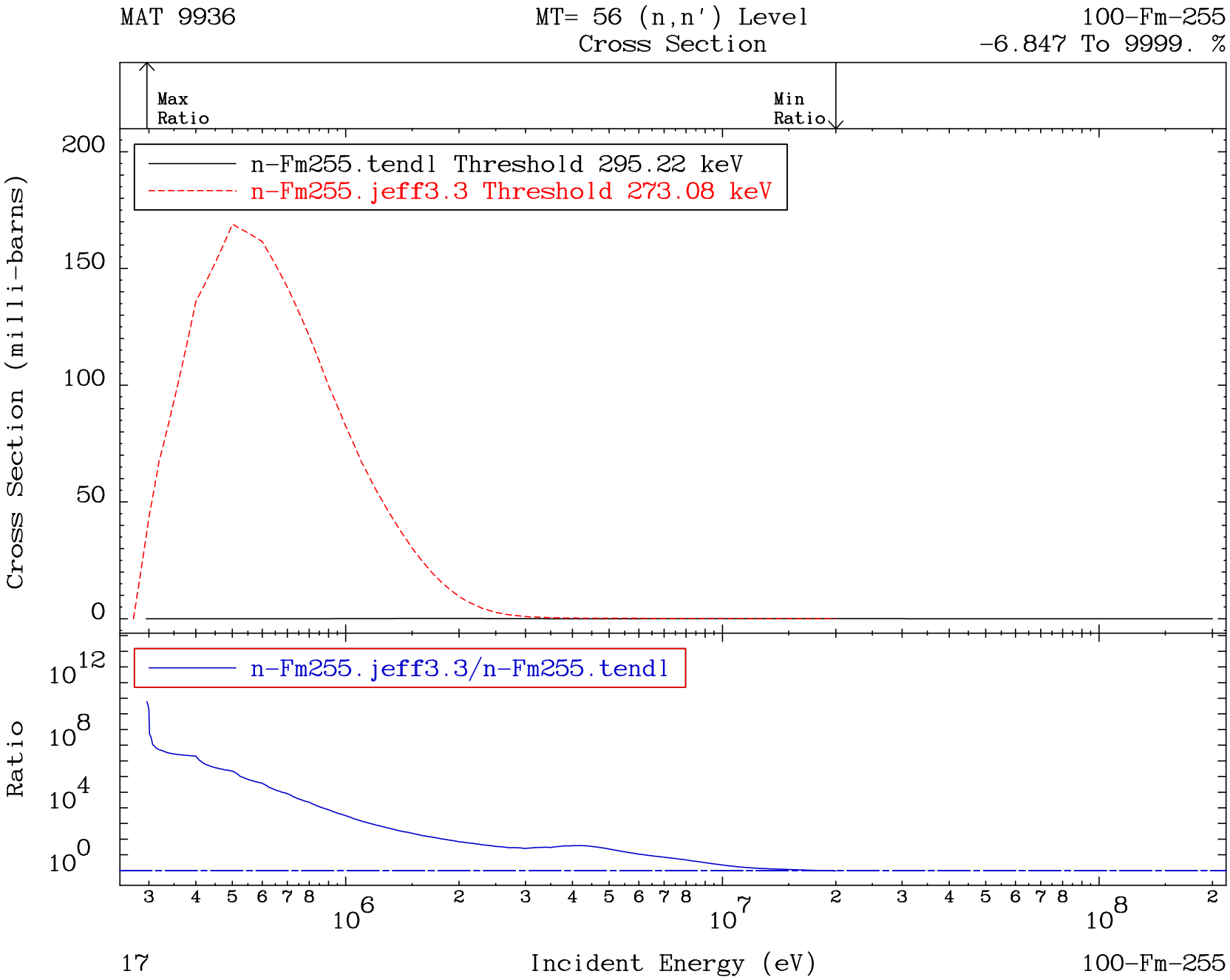

MAT 9936
MT= 51 (n,n') Level
Cross Section
100-Fm-255
-58.62 To 9999. %
Min
Ratio
Max
Ratio
n-Fm255.tendl Threshold 61.844 keV
n-Fm255.jeff3.3 Threshold 60.237 keV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
10^2
10^1
10^0
6 8 10^5 2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
100-Fm-255

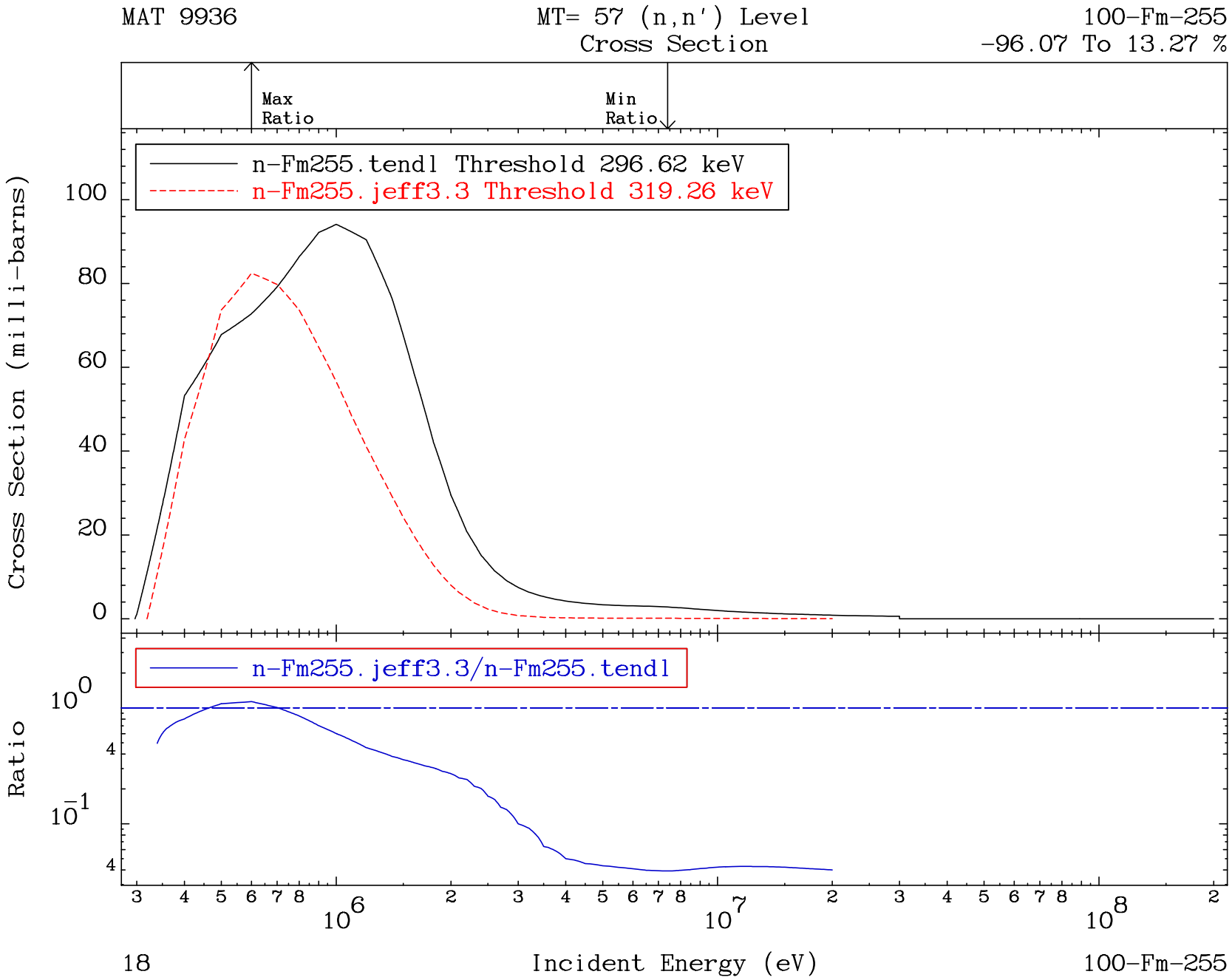

MAT 9936
MT= 52 (n,n') Level
Cross Section
100-Fm-255
-96.26 To 98.11 %
Max
Ratio
Min
Ratio
n-Fm255.tendl Threshold 232.01 keV
n-Fm255.jeff3.3 Threshold 84.332 keV
Cross Section (milli-barns)
400
300
200
100
0
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
10^0
10^-1
10^5
10^6
10^7
10^8
13
Incident Energy (eV)
100-Fm-255

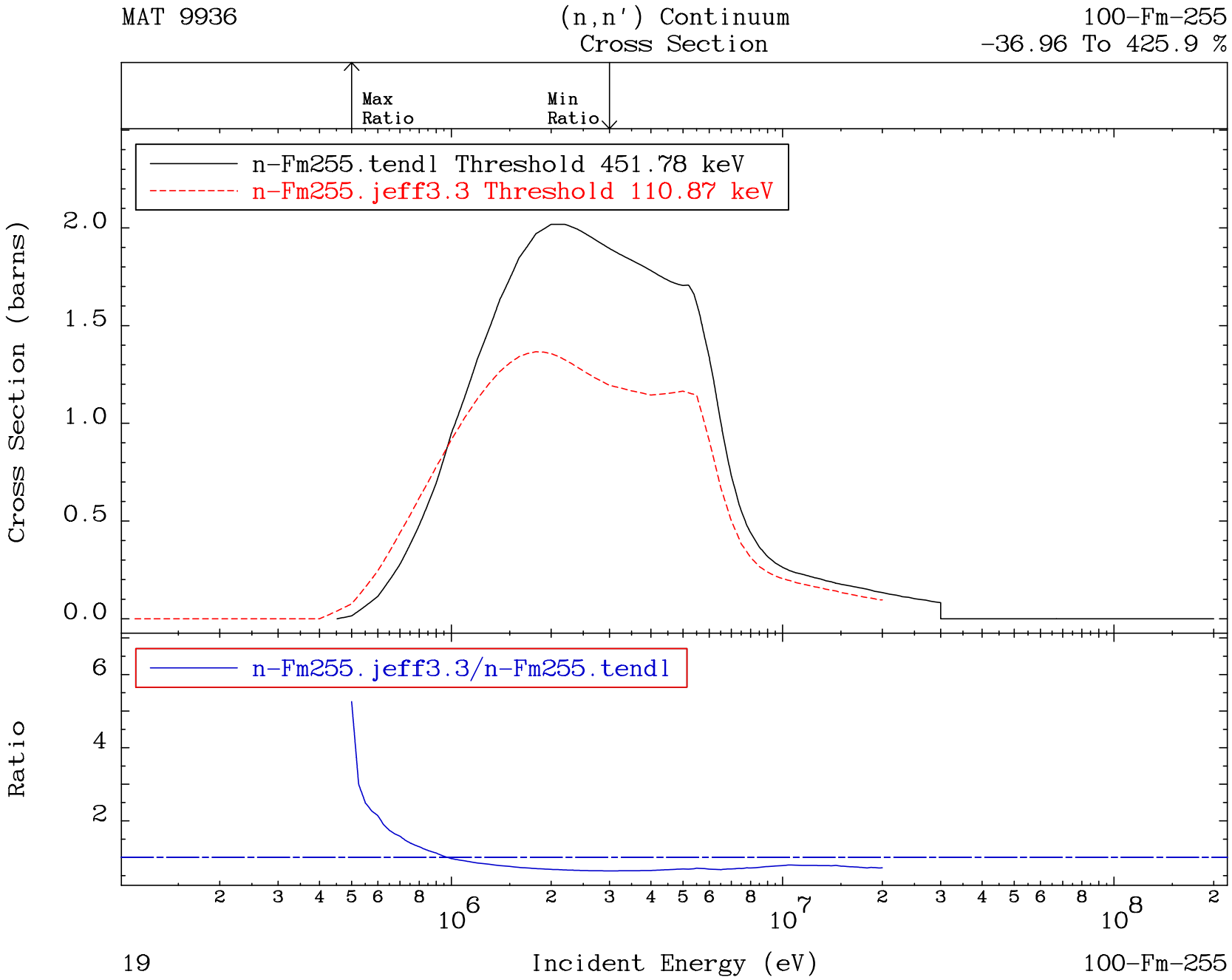

MAT 9936
MT= 53 (n,n') Level
Cross Section
100-Fm-255
743.7 To 9999. %
Min Ratio
Max Ratio
n-Fm255.tendl Threshold 250.99 keV
n-Fm255.jeff3.3 Threshold 133.53 keV
Cross Section (milli-barns)
250
200
150
100
50
0
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
10^4
10^3
10^2
10^1
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
14
Incident Energy (eV)
100-Fm-255

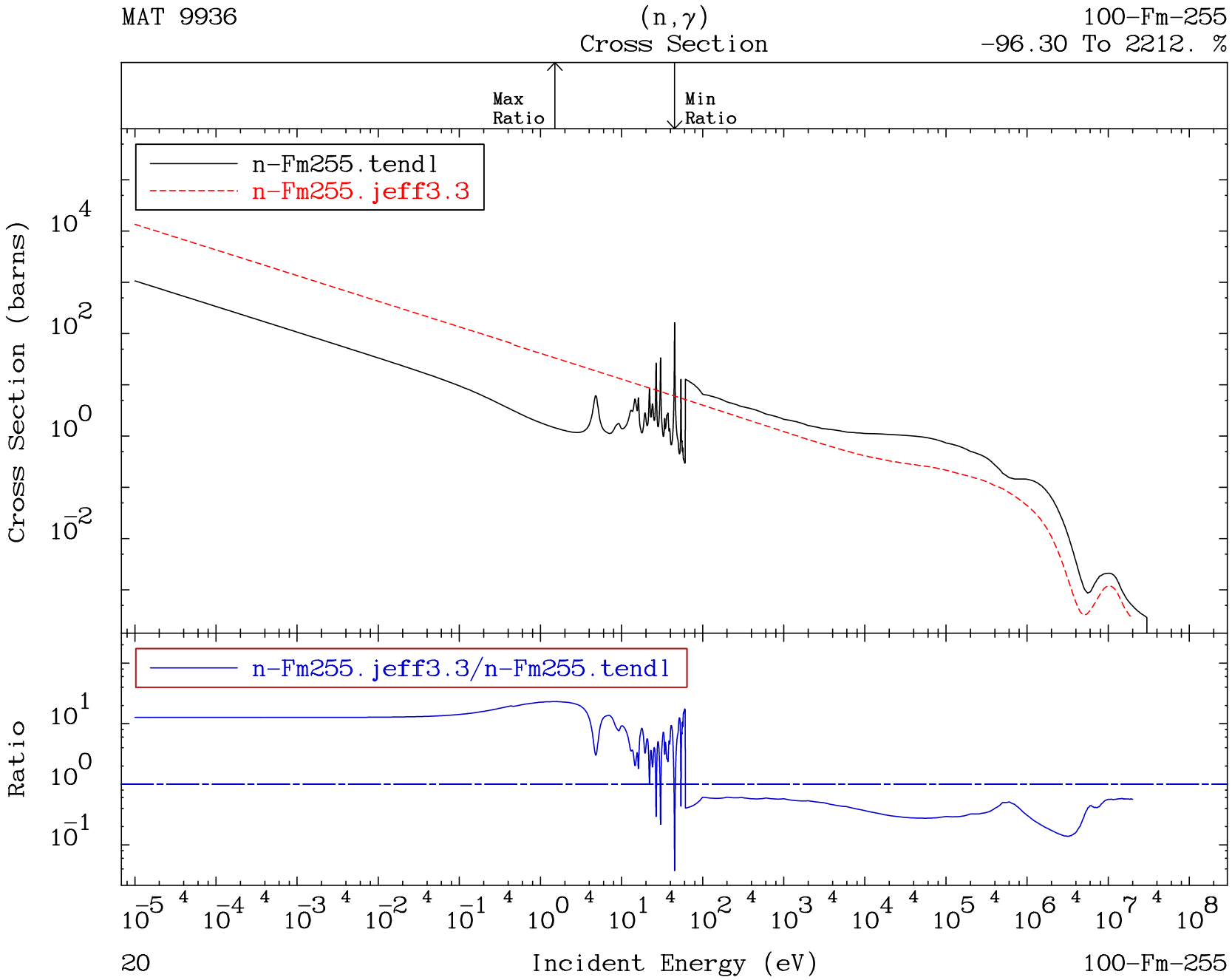

MAT 9936
MT= 54 (n,n') Level
Cross Section
100-Fm-255
-10.61 To 9999. %
Max Ratio
Min Ratio
n-Fm255.tendl Threshold 282.40 keV
n-Fm255.jeff3.3 Threshold 165.65 keV
Cross Section (milli-barns)
50
40
30
20
10
0
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
10^4
10^2
10^0
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
15
Incident Energy (eV)
100-Fm-255

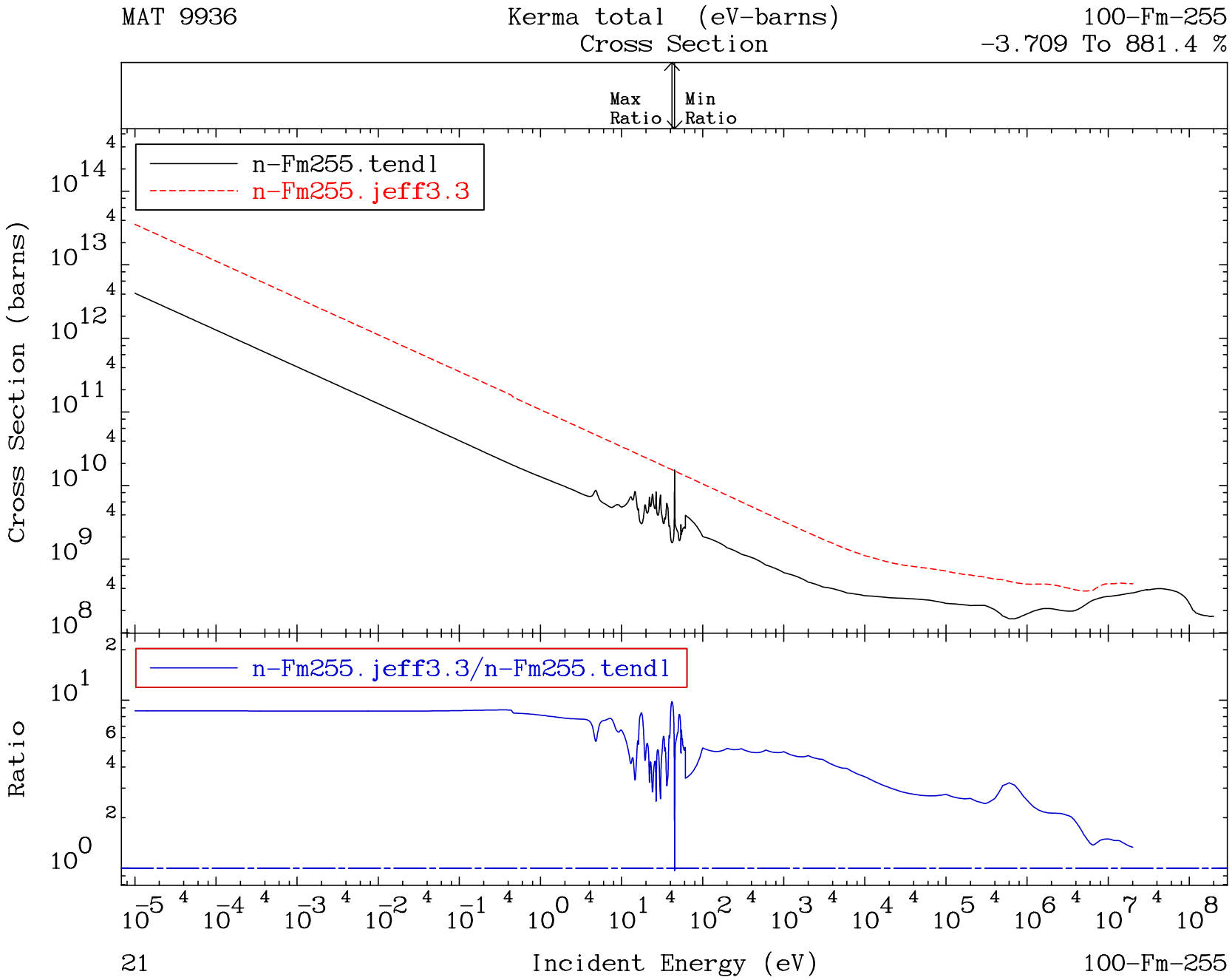

MAT 9936
MT= 55 (n,n') Level
Cross Section
100-Fm-255
18.78 To 9999. %
Max Ratio
Min Ratio
n-Fm255.tendl Threshold 292.82 keV
n-Fm255.jeff3.3 Threshold 238.94 keV
Cross Section (milli-barns)
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
Incident Energy (eV)
16
100-Fm-255

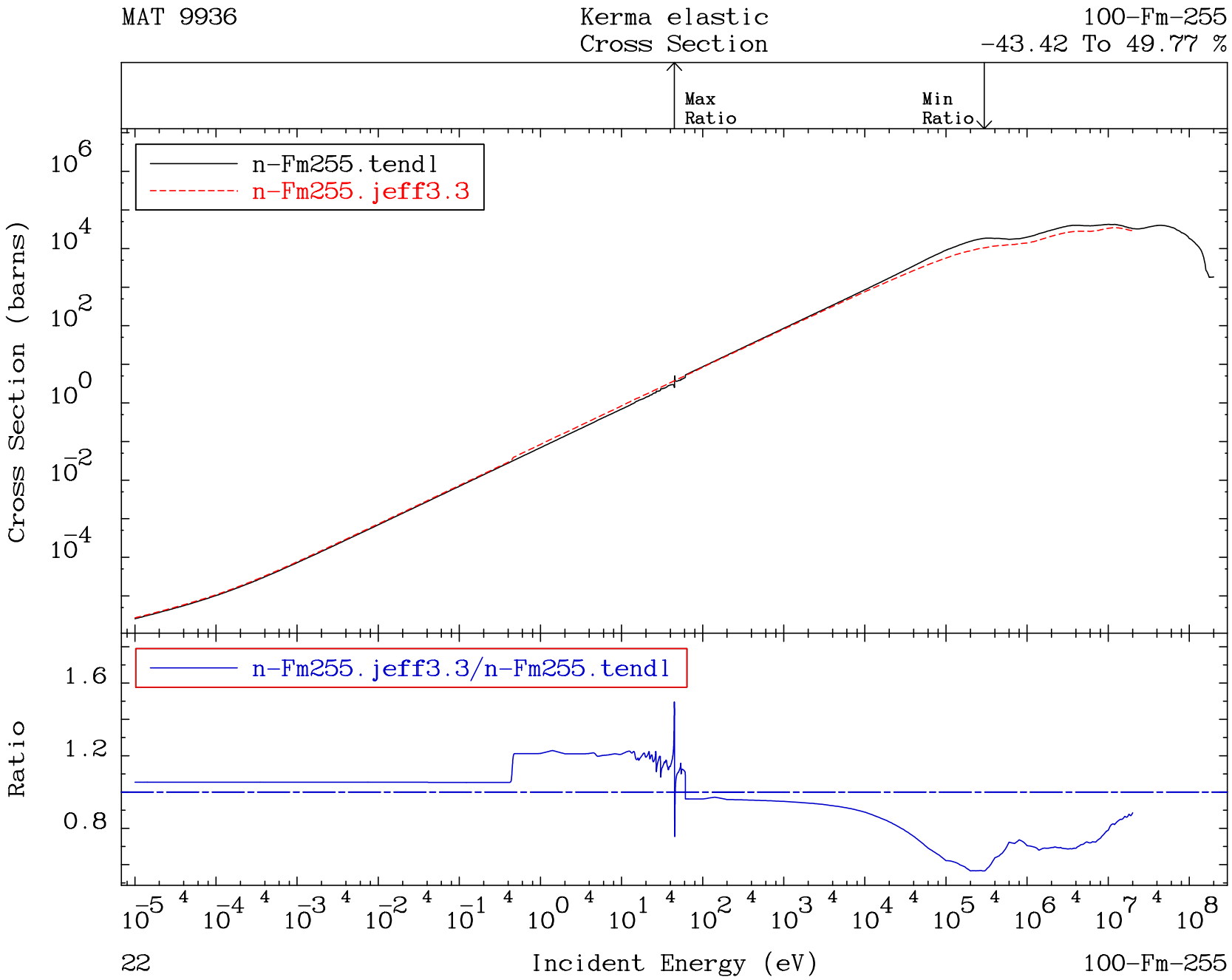

MAT 9936
MT= 56 (n,n') Level
Cross Section
100-Fm-255
-6.847 To 9999. %
Max Ratio
Min Ratio
n-Fm255.tendl Threshold 295.22 keV
n-Fm255.jeff3.3 Threshold 273.08 keV
Cross Section (milli-barns)
200
150
100
50
0
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
10^12
10^8
10^4
10^0
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
100-Fm-255

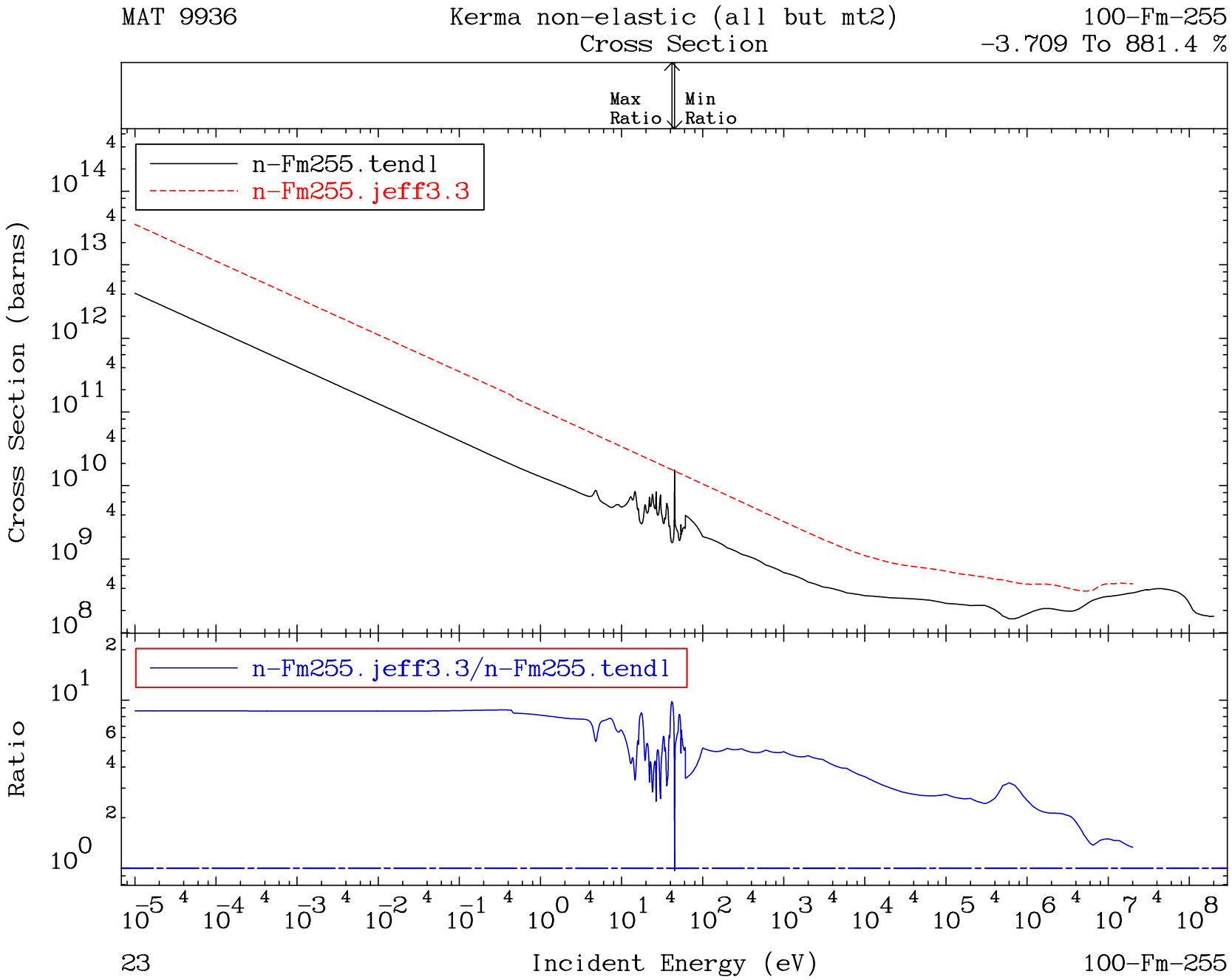

MAT 9936
MT= 57 (n,n') Level
Cross Section
100-Fm-255
-96.07 To 13.27 %
Max
Ratio
Min
Ratio
n-Fm255.tendl Threshold 296.62 keV
n-Fm255.jeff3.3 Threshold 319.26 keV
Cross Section (milli-barns)
100
80
60
40
20
0
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
10^0
4
10^-1
4
3 4 5 6 7 8 10^6 2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
18
Incident Energy (eV)
100-Fm-255

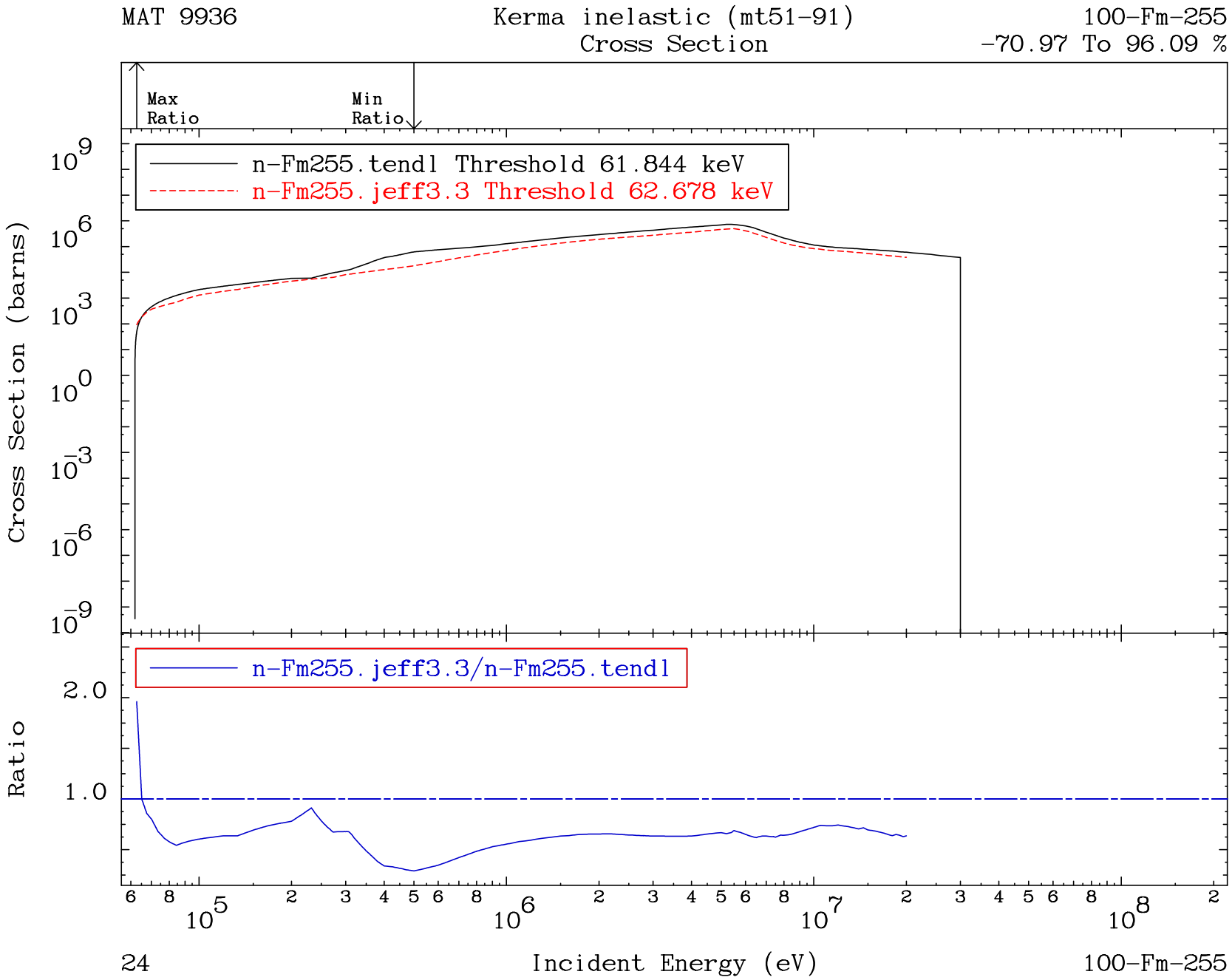

MAT 9936
(n,n') Continuum
Cross Section
100-Fm-255
-36.96 To 425.9 %
Max
Ratio
Min
Ratio
n-Fm255.tendl Threshold 451.78 keV
n-Fm255.jeff3.3 Threshold 110.87 keV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
6
4
2
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
100-Fm-255

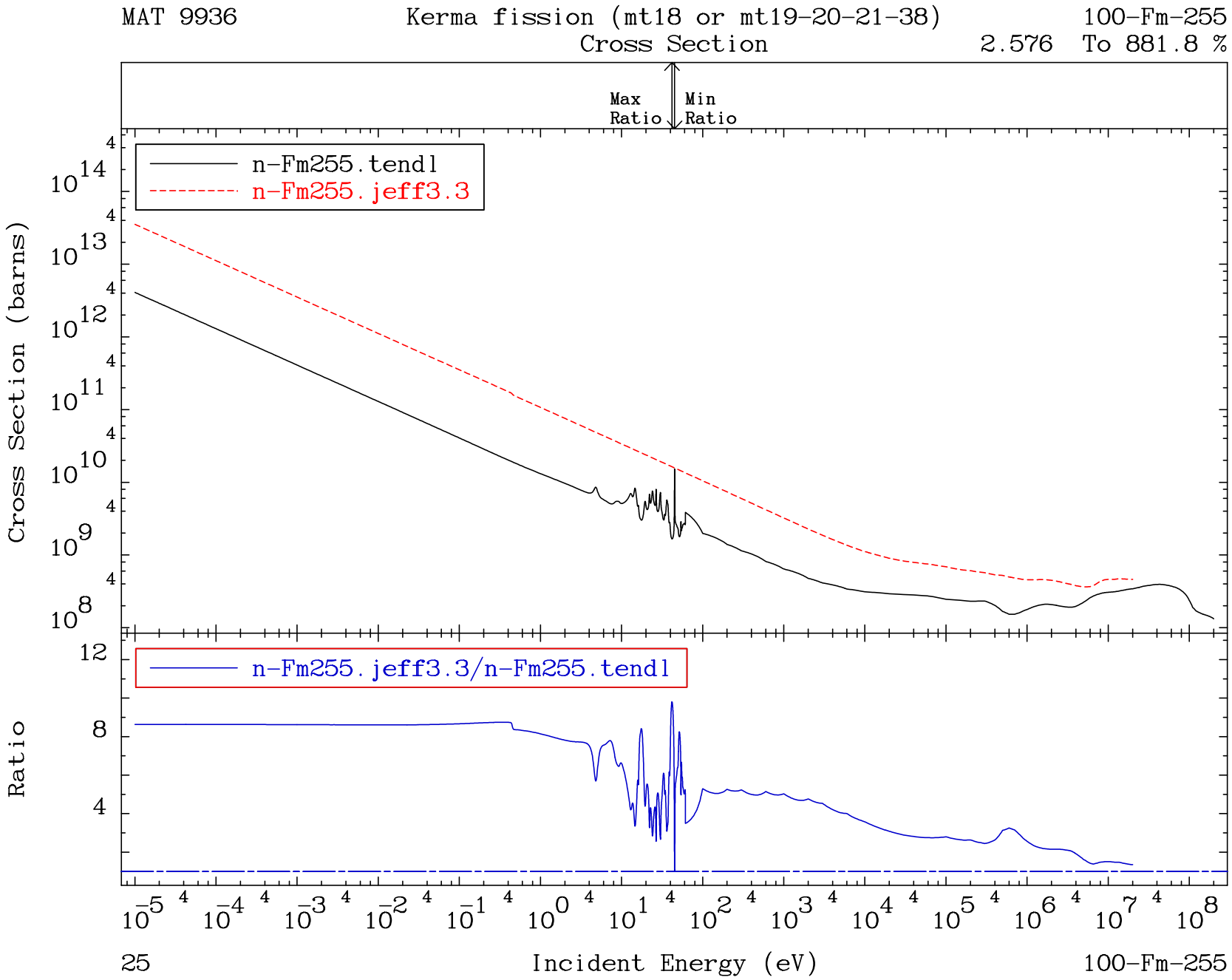

MAT 9936
(n,γ)
Cross Section
100-Fm-255
-96.30 To 2212. %
Max Ratio
Min Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
Cross Section (barns)
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
Incident Energy (eV)
20
100-Fm-255

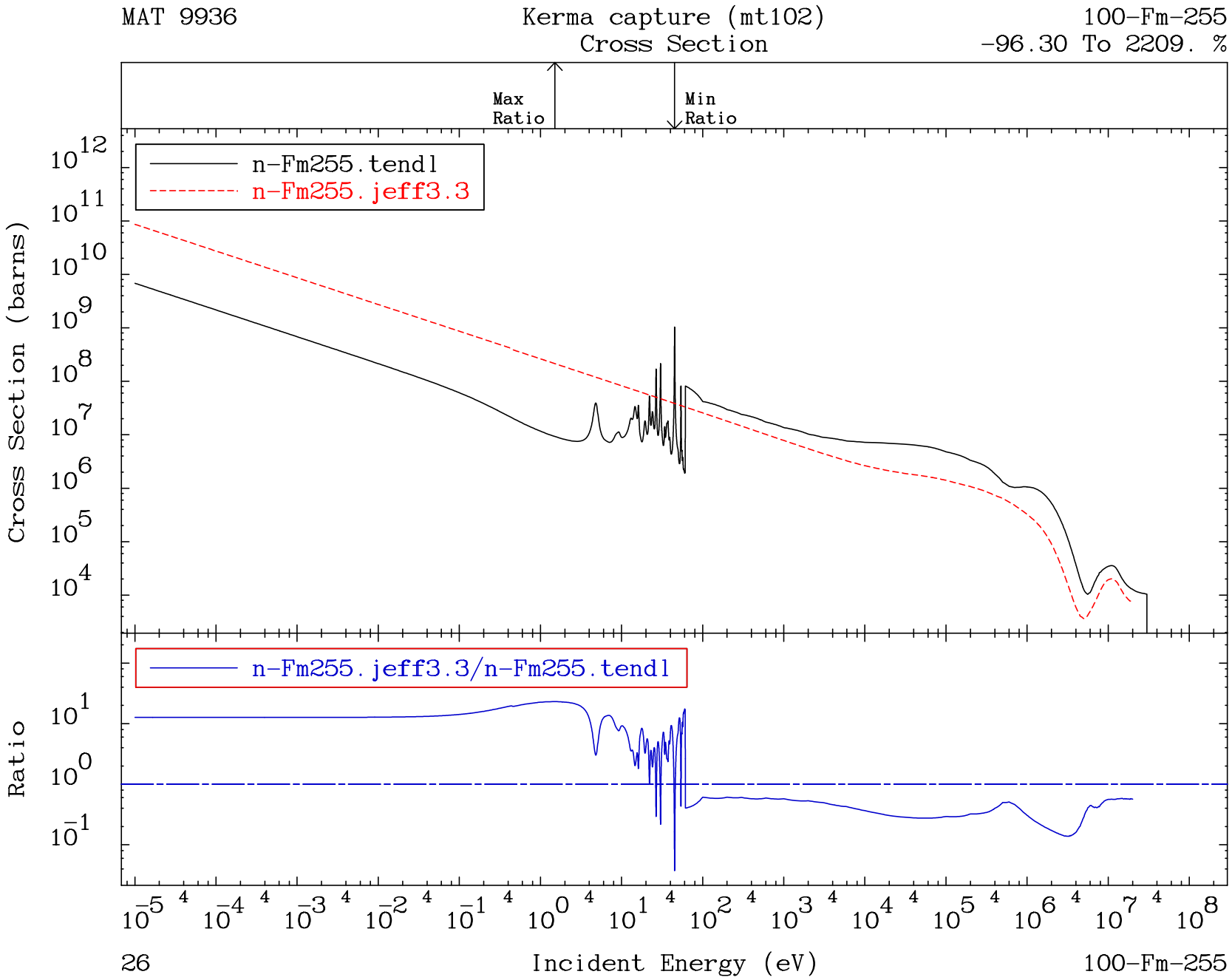

MAT 9936
Kerma total (eV-barns)
Cross Section
100-Fm-255
-3.709 To 881.4 %
Max Ratio
Min Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
Cross Section (barns)
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
Incident Energy (eV)
21
100-Fm-255

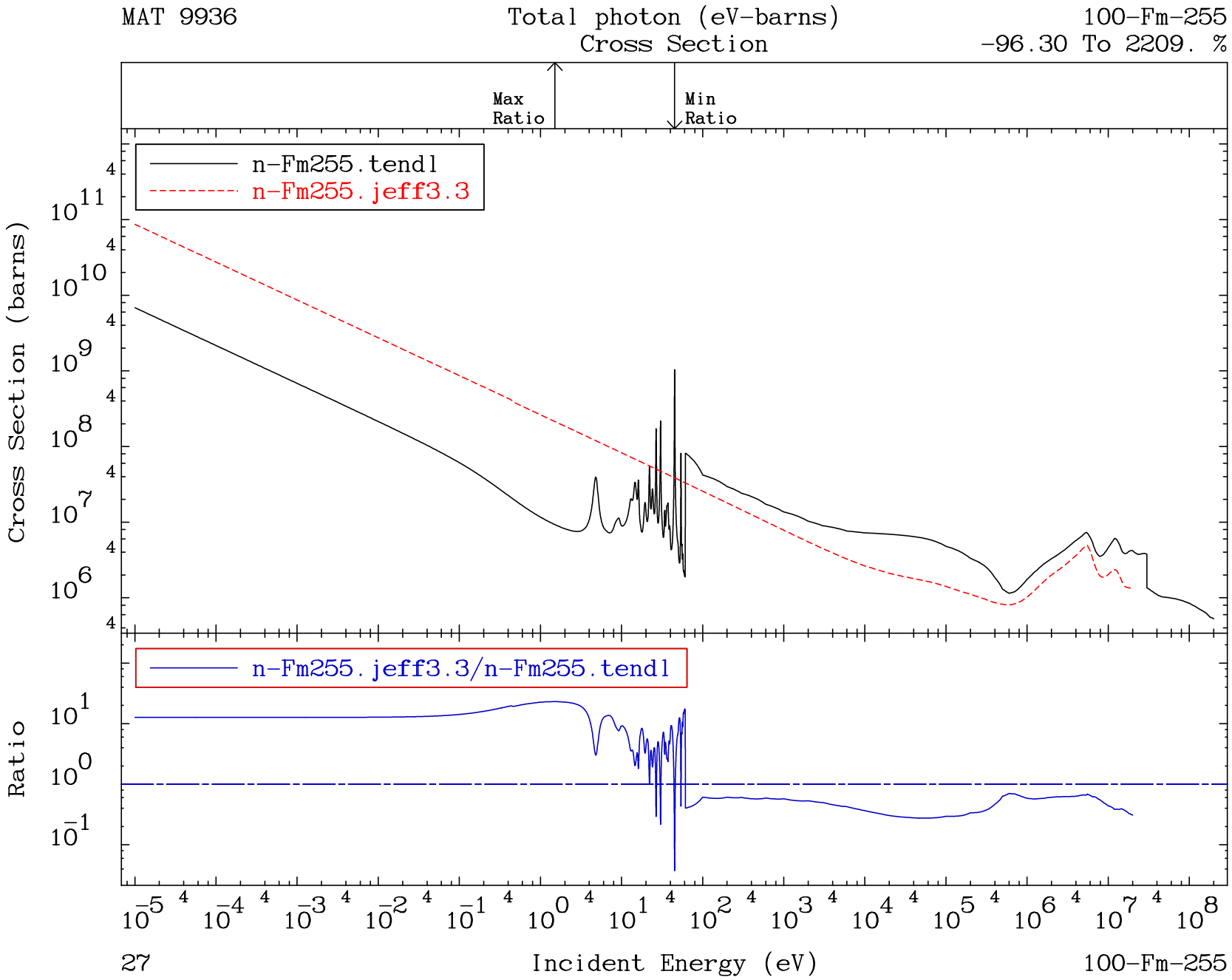

MAT 9936
Kerma elastic
Cross Section
100-Fm-255
-43.42 To 49.77 %
Max
Ratio
Min
Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
Cross Section (barns)
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
Incident Energy (eV)
22
100-Fm-255

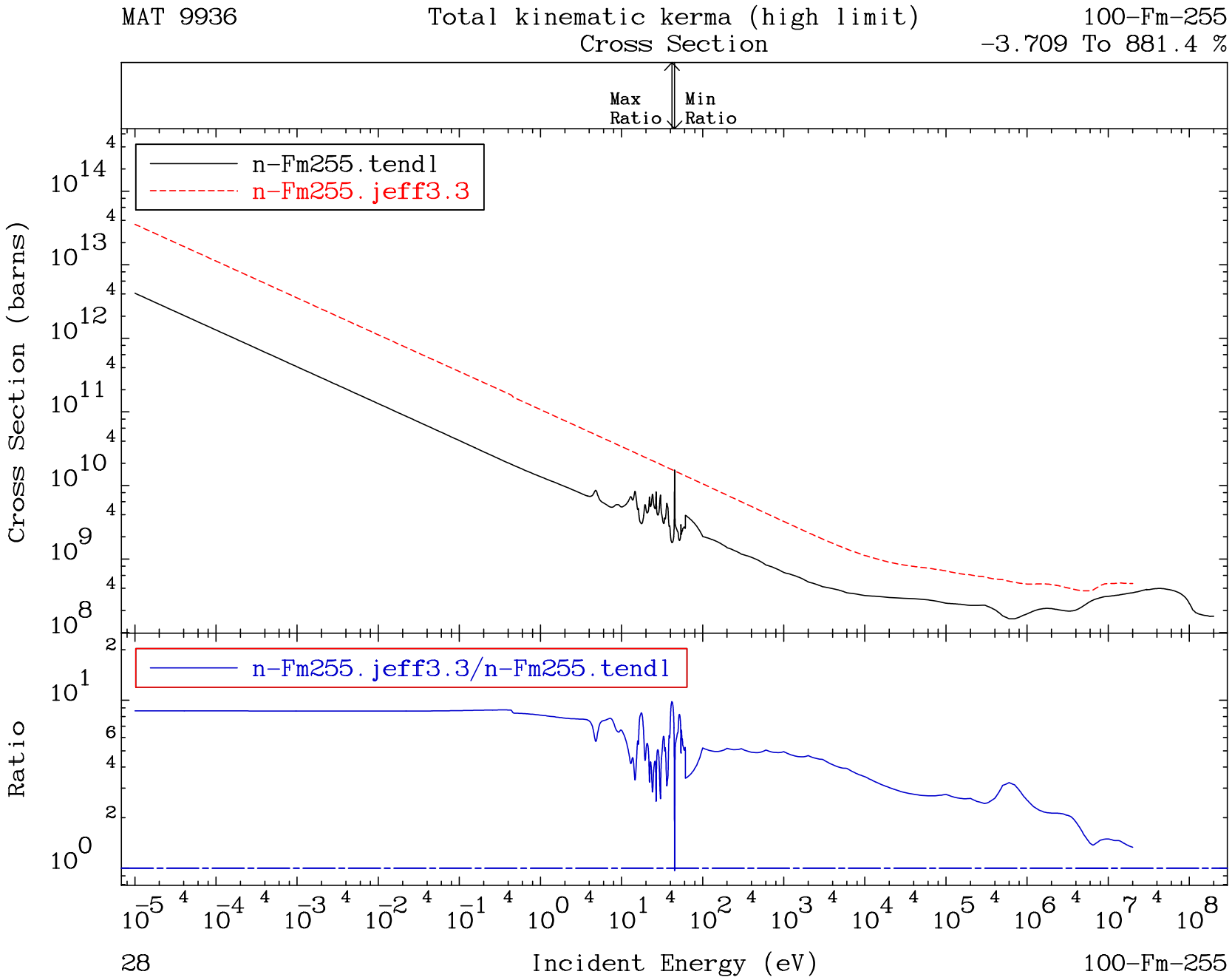

MAT 9936
Kerma non-elastic (all but mt2)
Cross Section
100-Fm-255
-3.709 To 881.4 %
Max Ratio
Min Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
Cross Section (barns)
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
23
Incident Energy (eV)
100-Fm-255

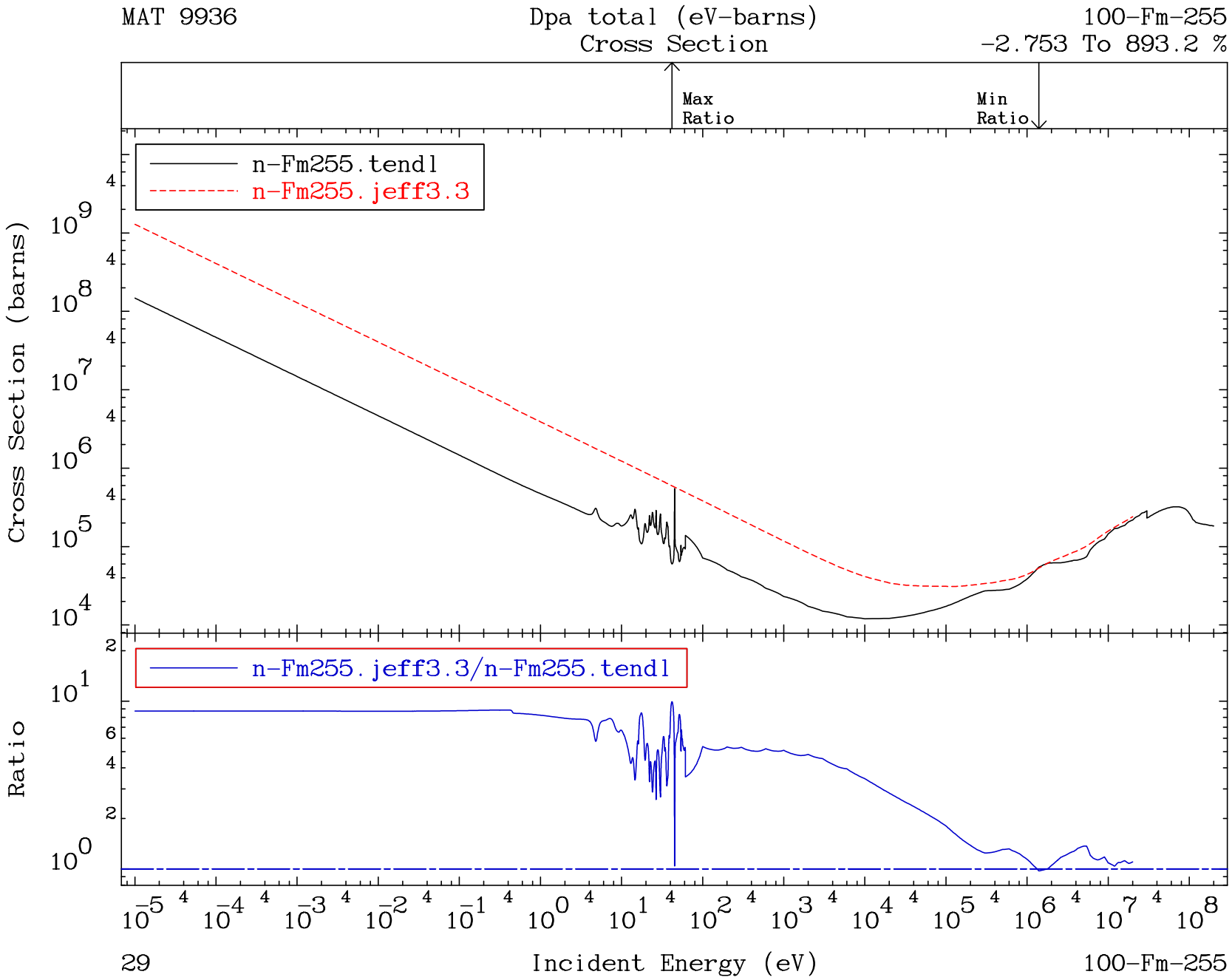

MAT 9936
Kerma inelastic (mt51-91)
Cross Section
100-Fm-255
-70.97 To 96.09 %
Max Ratio
Min Ratio
n-Fm255.tendl Threshold 61.844 keV
n-Fm255.jeff3.3 Threshold 62.678 keV
Cross Section (barns)
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
Incident Energy (eV)
24
100-Fm-255

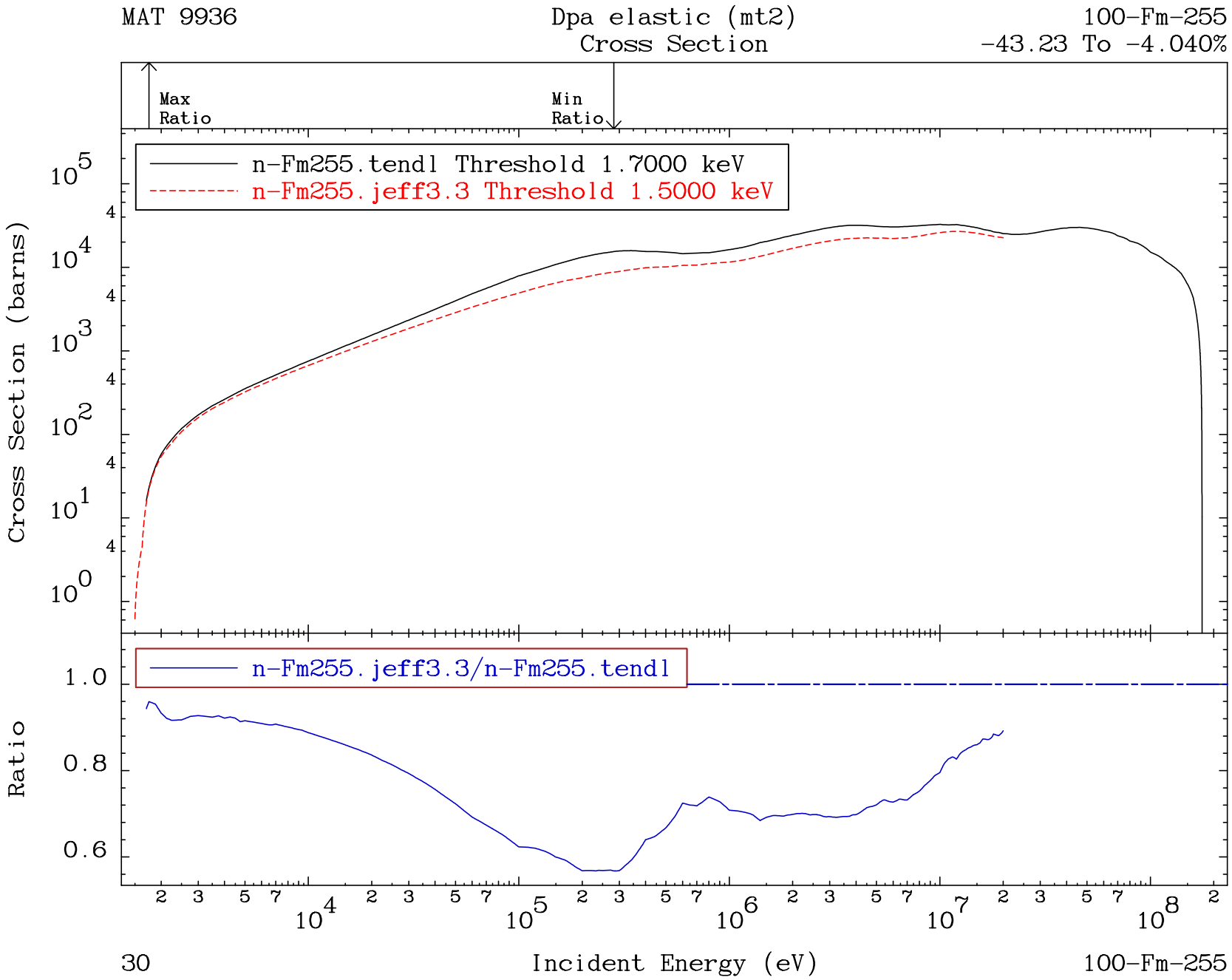

MAT 9936
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
100-Fm-255
2.576 To 881.8 %
Max Ratio
Min Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
Cross Section (barns)
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
Incident Energy (eV)
25
100-Fm-255

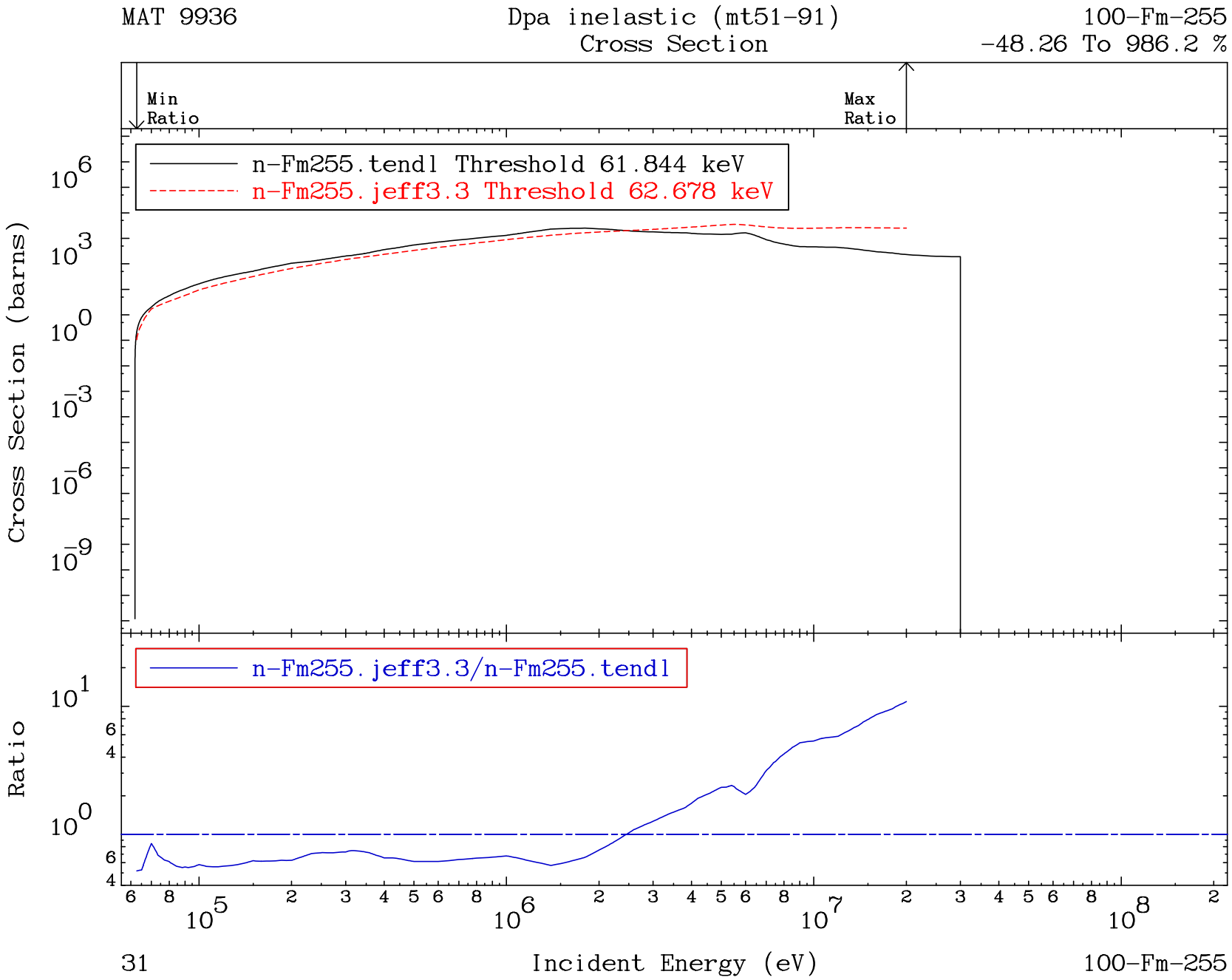

MAT 9936
Kerma capture (mt102)
Cross Section
100-Fm-255
-96.30 To 2209. %
Max Ratio
Min Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
Cross Section (barns)
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
Incident Energy (eV)
26
100-Fm-255

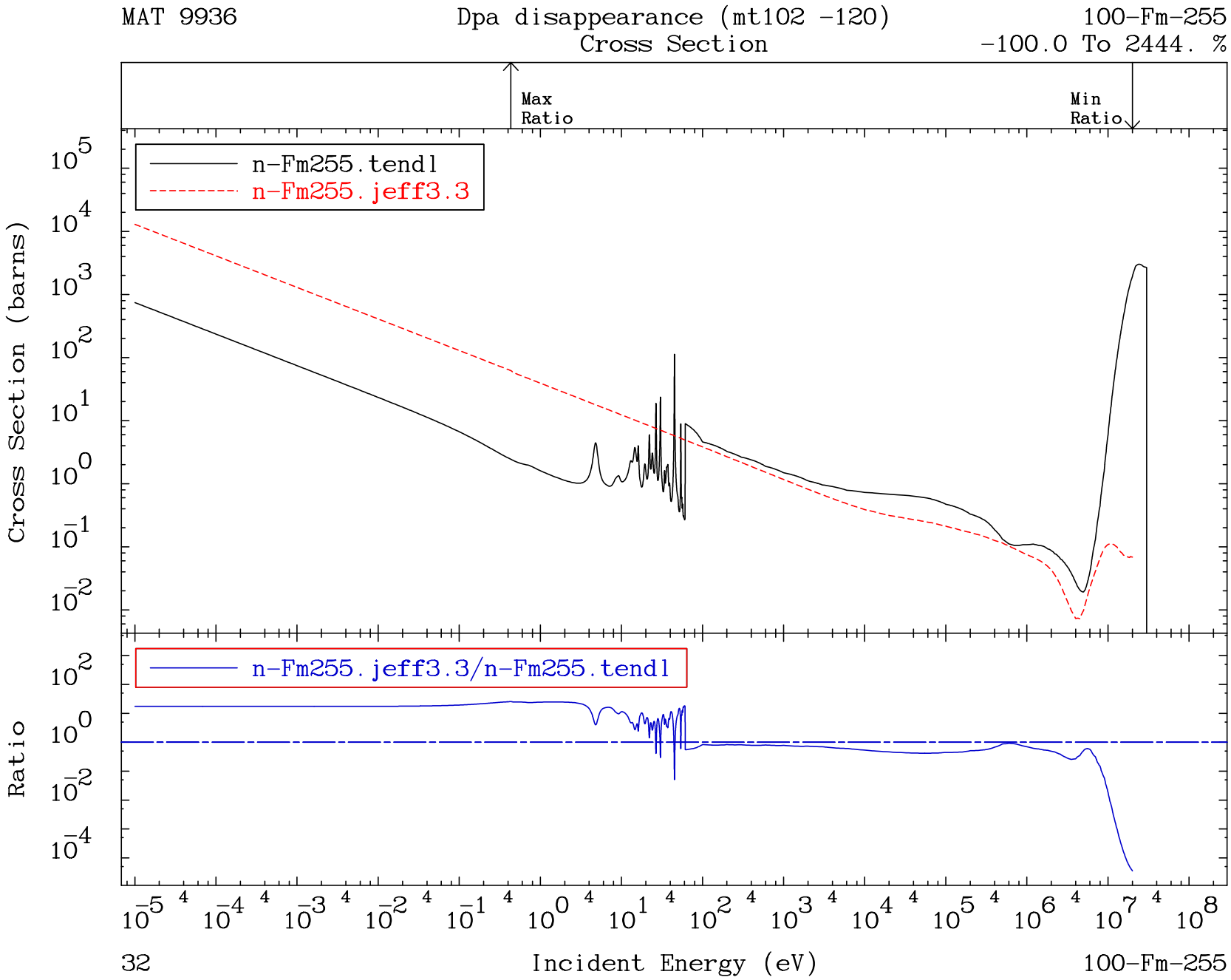

MAT 9936
Total photon (eV-barns)
Cross Section
100-Fm-255
-96.30 To 2209. %
Max Ratio
Min Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
Cross Section (barns)
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
Incident Energy (eV)
27
100-Fm-255


MAT 9936
Total kinematic kerma (high limit)
Cross Section
100-Fm-255
-3.709 To 881.4 %
Max Ratio
Min Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
Cross Section (barns)
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
Incident Energy (eV)
28
100-Fm-255


MAT 9936
Dpa total (eV-barns)
Cross Section
100-Fm-255
-2.753 To 893.2 %
Max Ratio
Min Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
Cross Section (barns)
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
Incident Energy (eV)
29
100-Fm-255


MAT 9936
Dpa elastic (mt2)
Cross Section
100-Fm-255
-43.23 To -4.040%
Max Ratio
Min Ratio
n-Fm255.tendl Threshold 1.7000 keV
n-Fm255.jeff3.3 Threshold 1.5000 keV
Cross Section (barns)
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
Incident Energy (eV)
30
100-Fm-255


MAT 9936
Dpa inelastic (mt51-91)
Cross Section
100-Fm-255
-48.26 To 986.2 %
Min Ratio
Max Ratio
n-Fm255.tendl Threshold 61.844 keV
n-Fm255.jeff3.3 Threshold 62.678 keV
Cross Section (barns)
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
Incident Energy (eV)
31
100-Fm-255


MAT 9936
Dpa disappearance (mt102 -120)
Cross Section
100-Fm-255
-100.0 To 2444. %
Max Ratio
Min Ratio
n-Fm255.tendl
n-Fm255.jeff3.3
Cross Section (barns)
n-Fm255.jeff3.3/n-Fm255.tendl
Ratio
Incident Energy (eV)
32
100-Fm-255