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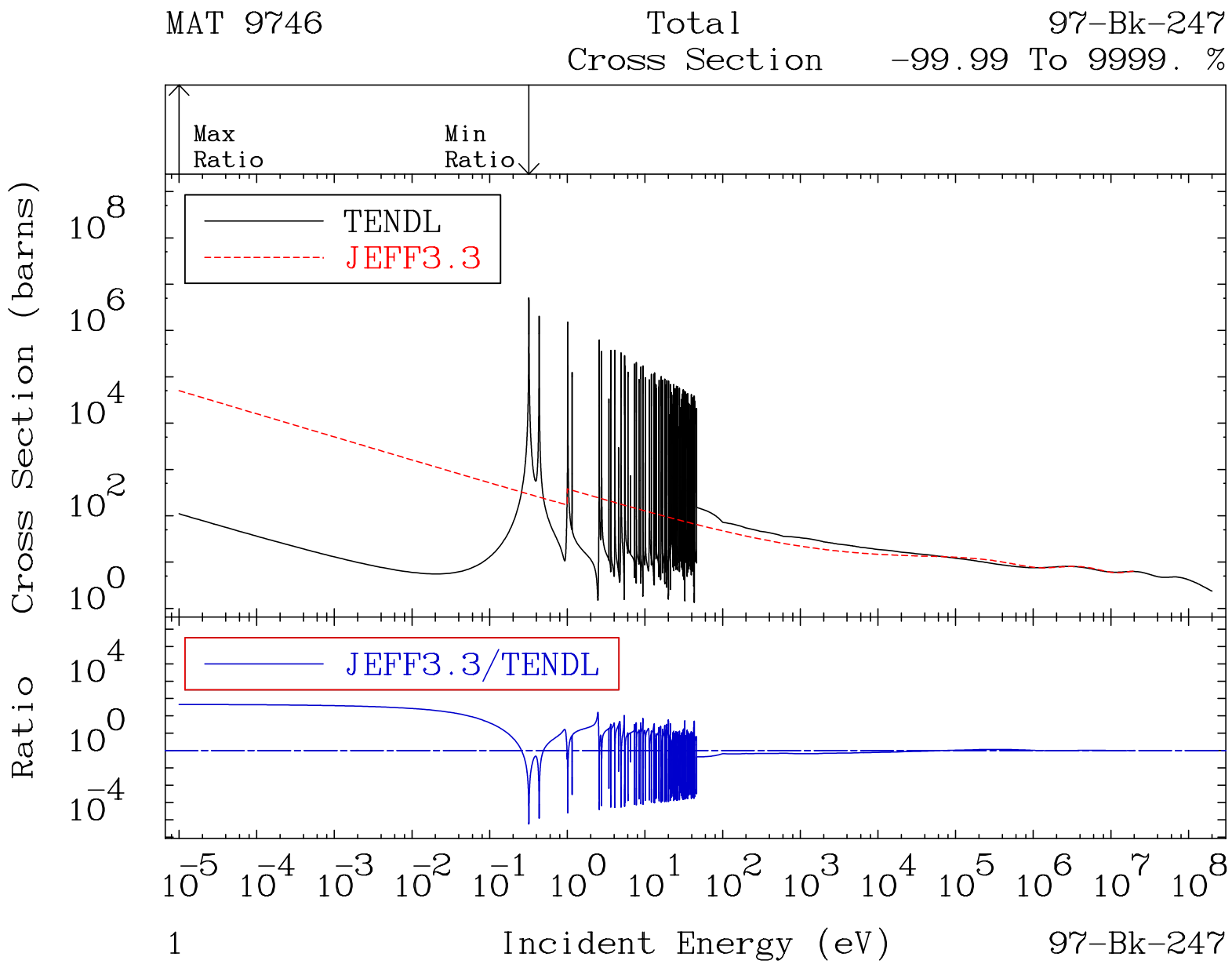
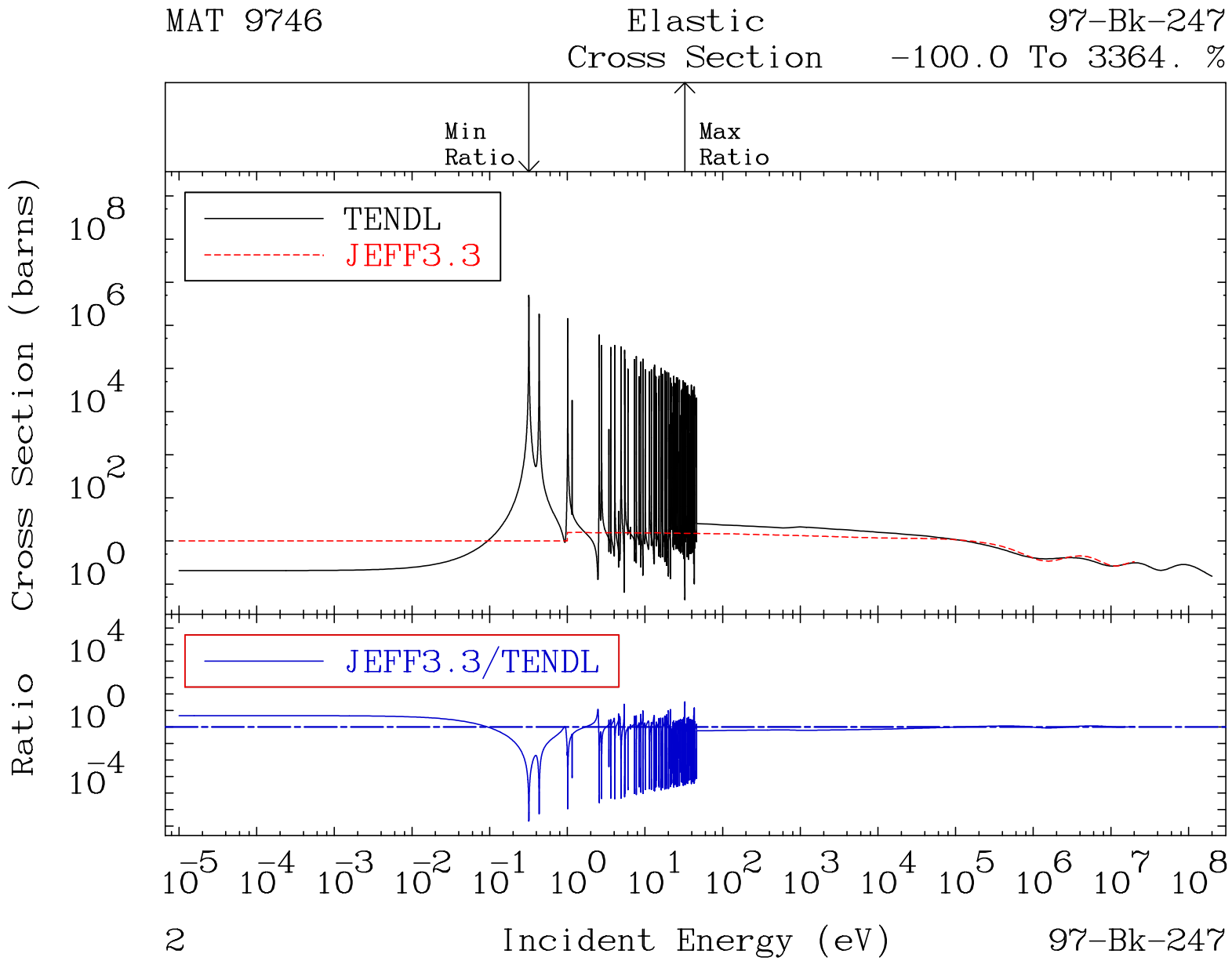
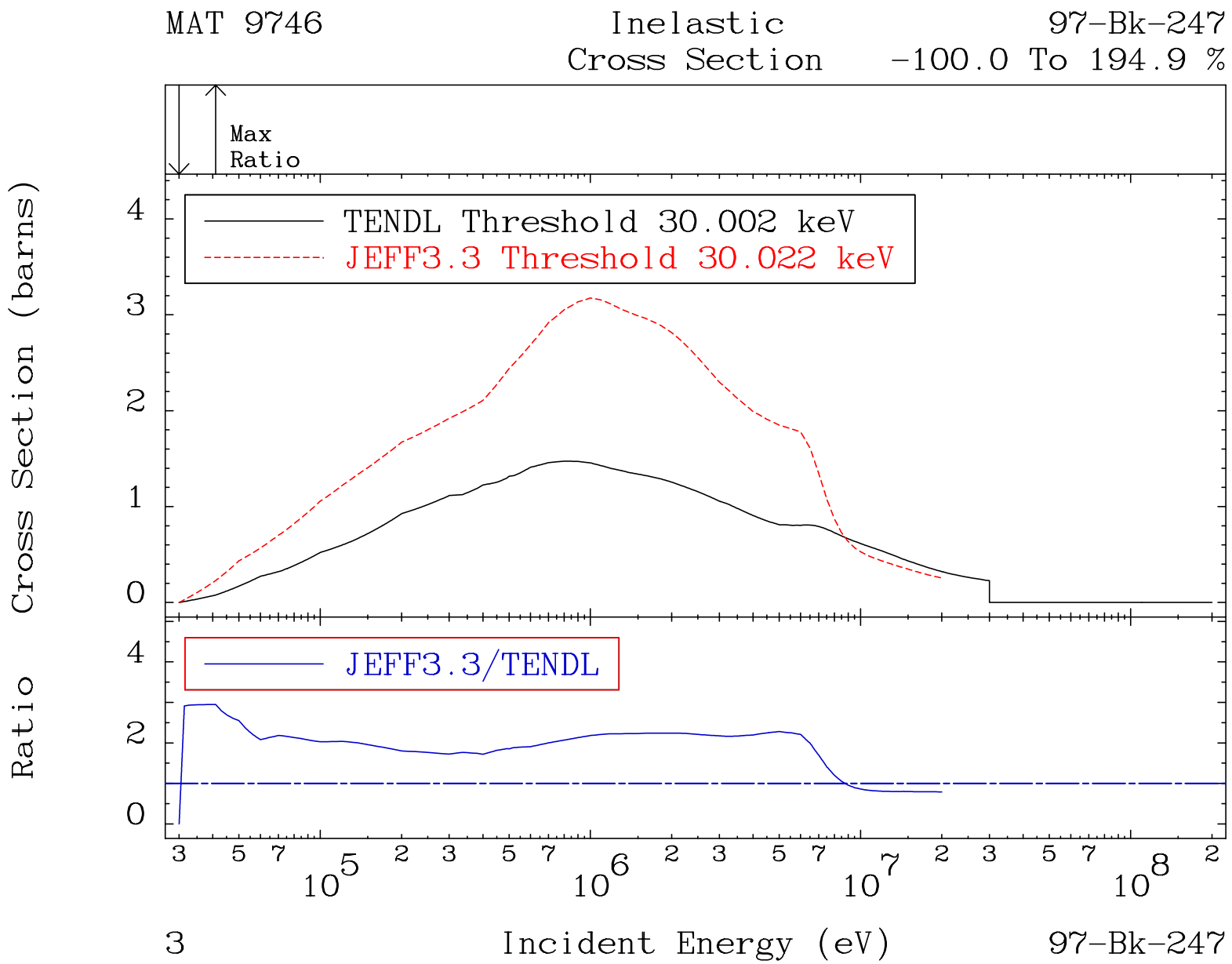
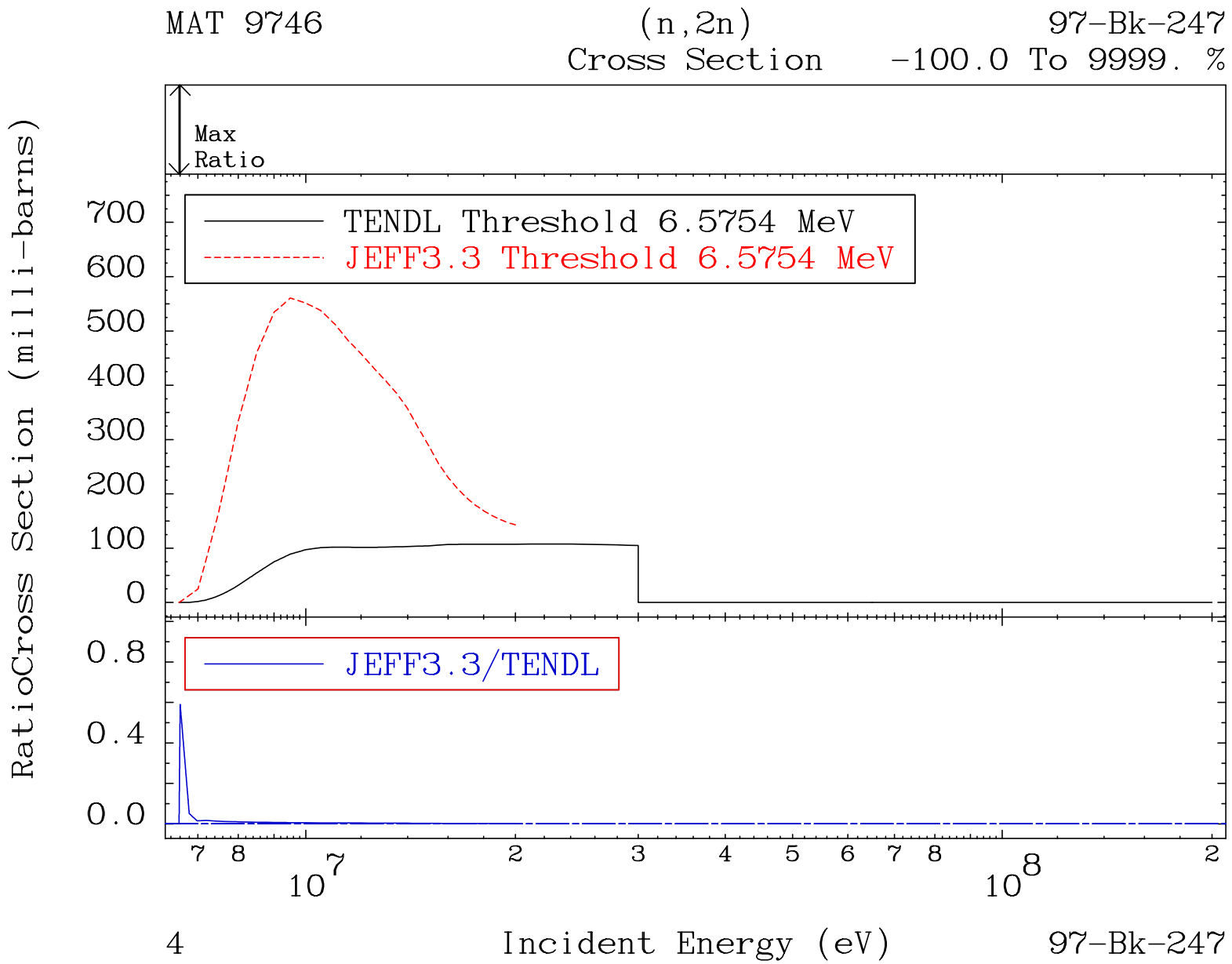
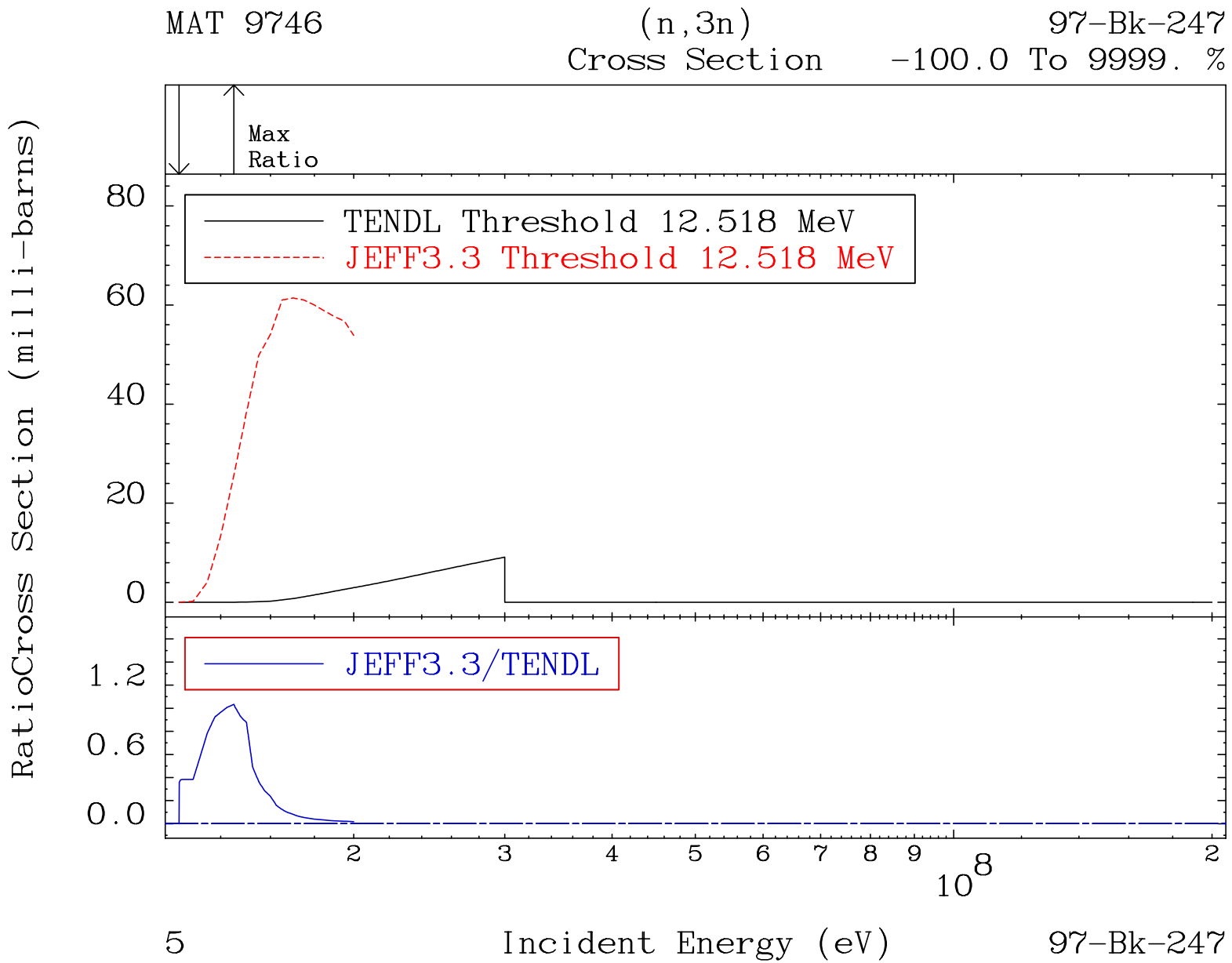
Press Mouse Button to Start

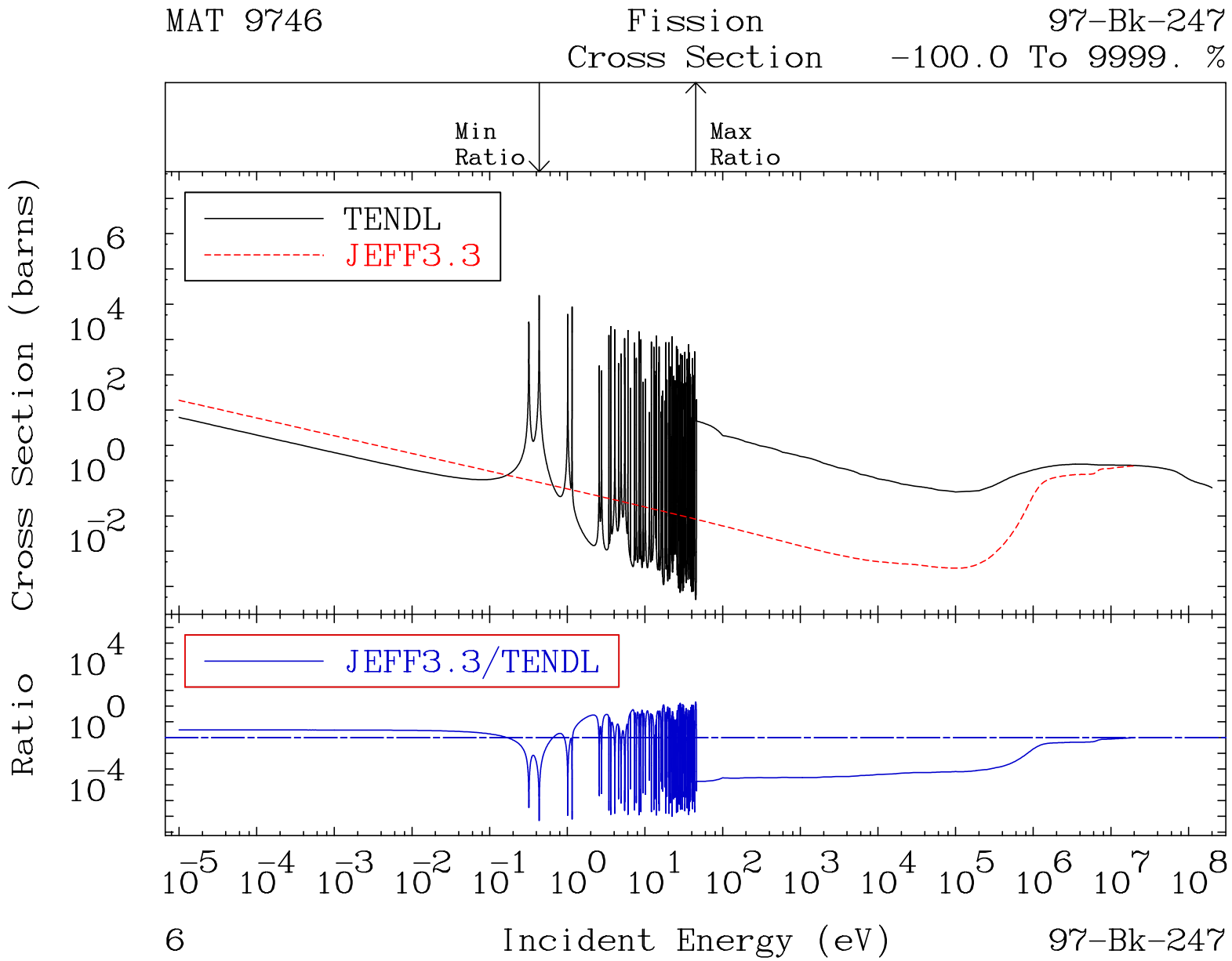

MAT 9746
Total
Cross Section
97-Bk-247
-99.99 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
97-Bk-247

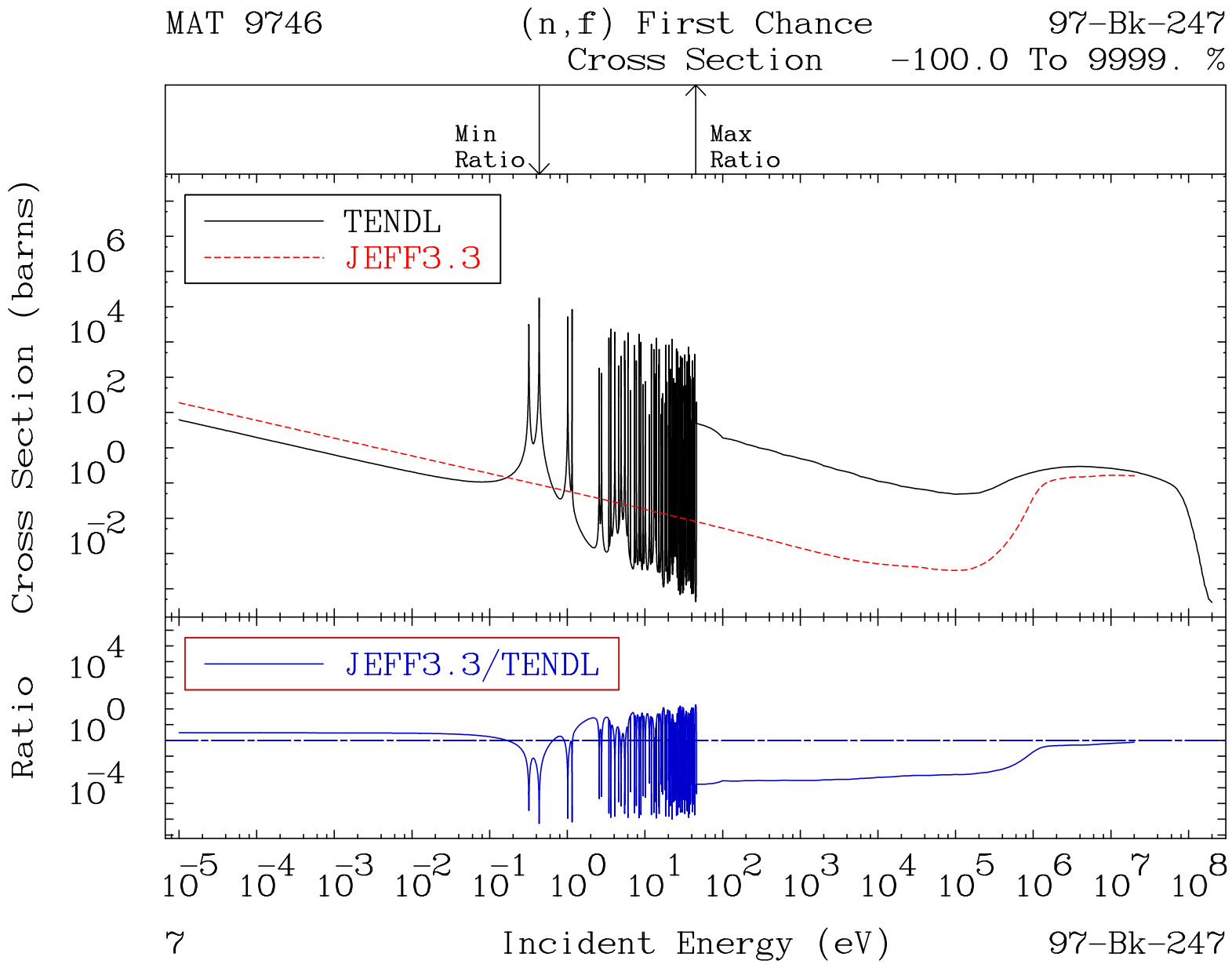

MAT 9746
Elastic
Cross Section
97-Bk-247
-100.0 To 3364. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
97-Bk-247

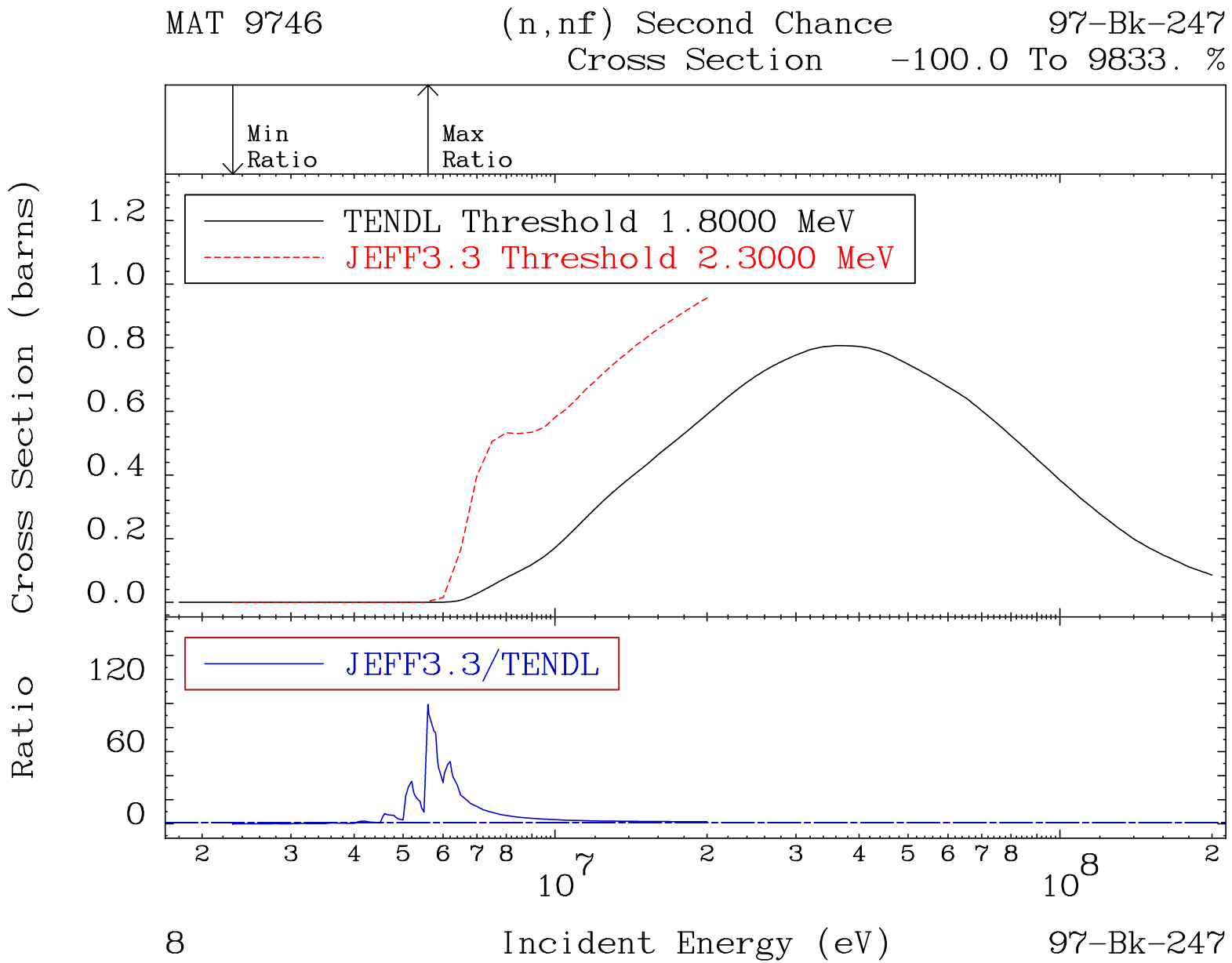

MAT 9746
Inelastic
Cross Section
97-Bk-247
-100.0 To 194.9 %
Max
Ratio
TENDL Threshold 30.002 keV
JEFF3.3 Threshold 30.022 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
97-Bk-247
0
1
2
3
4
3
5
7
2
10^5
10^6
10^7
10^8

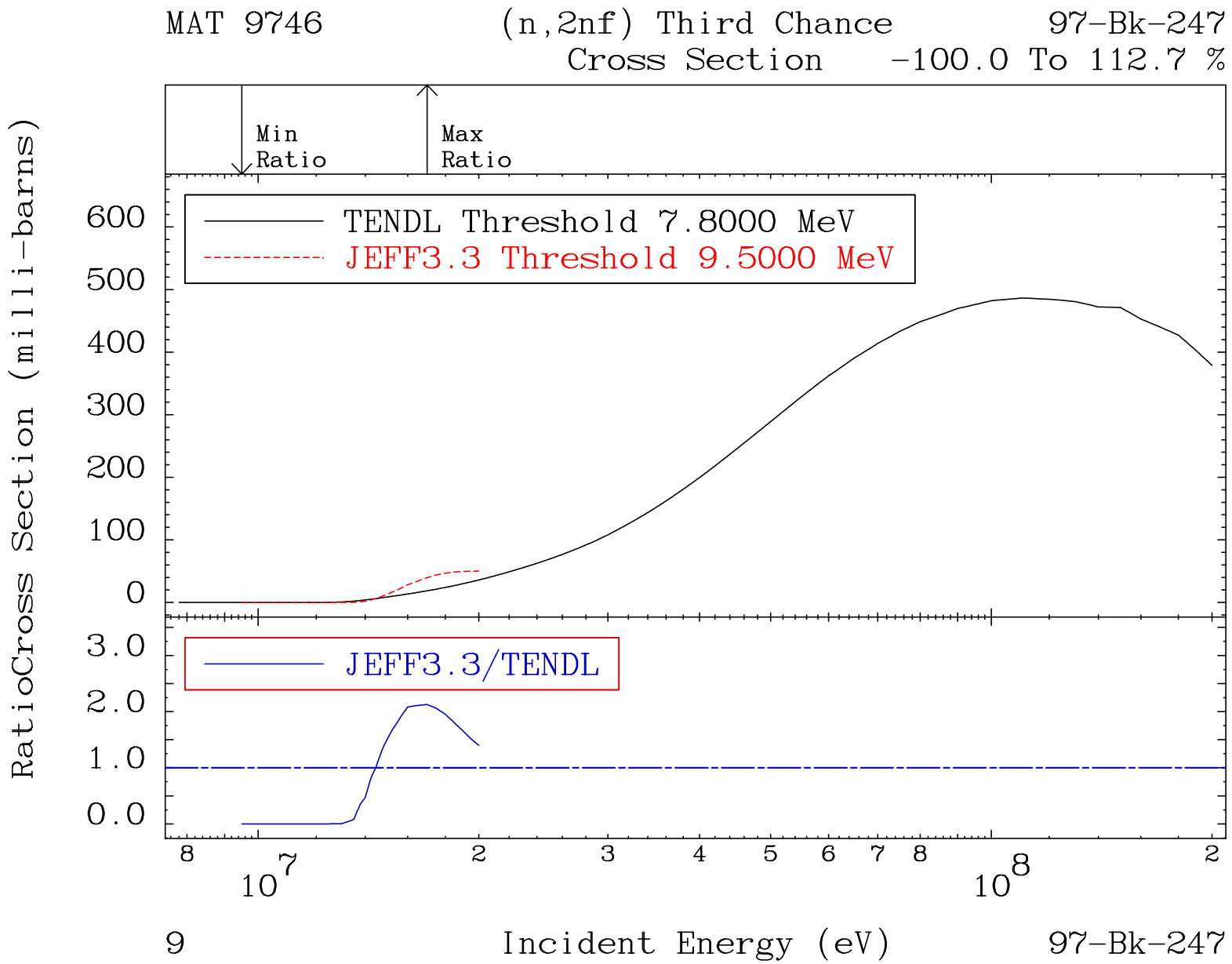

MAT 9746
(n,2n)
Cross Section
97-Bk-247
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.5754 MeV
JEFF3.3 Threshold 6.5754 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
700
600
500
400
300
200
100
0
0.8
0.4
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
4
Incident Energy (eV)
97-Bk-247

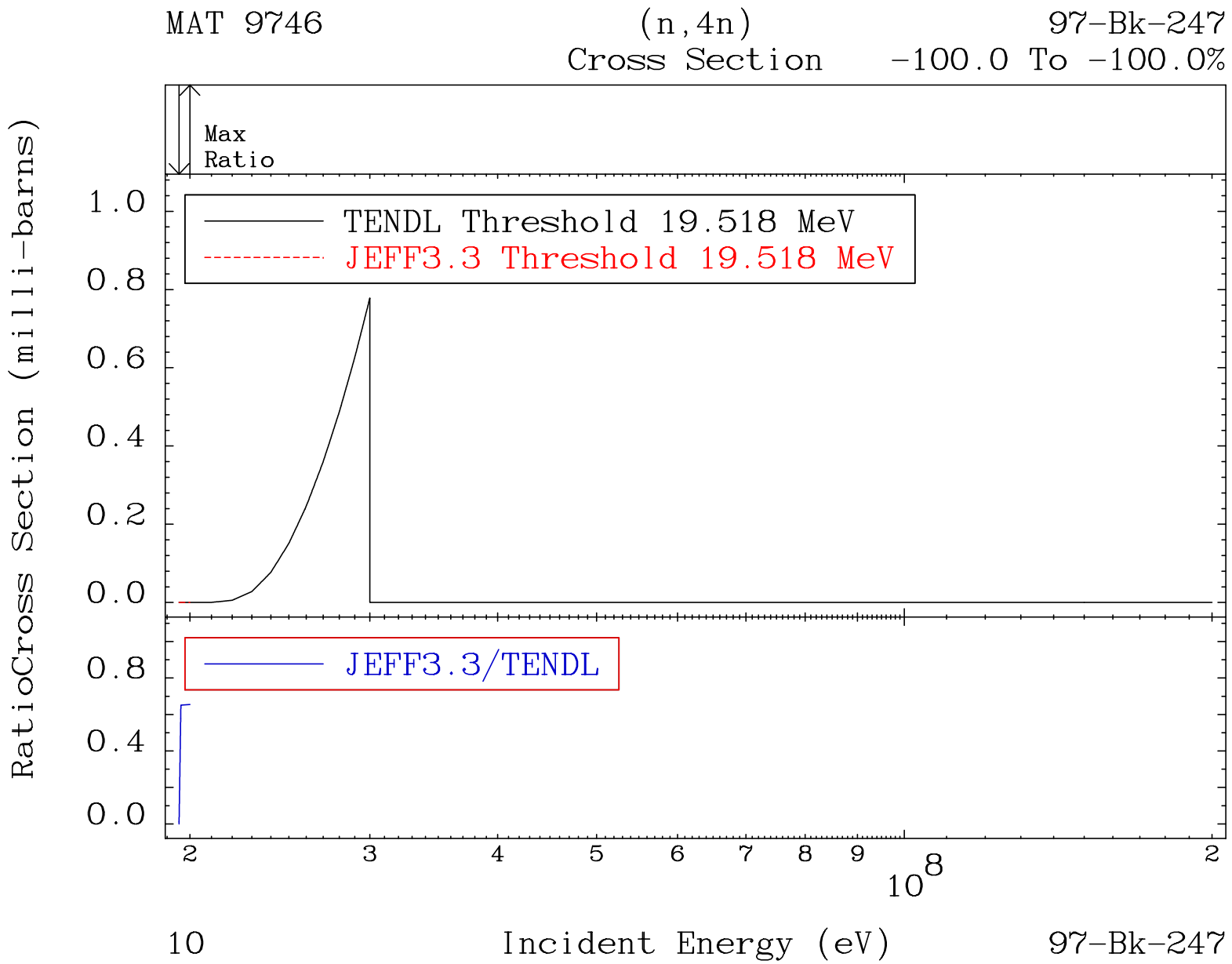

MAT 9746
(n,3n)
Cross Section
97-Bk-247
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 12.518 MeV
JEFF3.3 Threshold 12.518 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
97-Bk-247

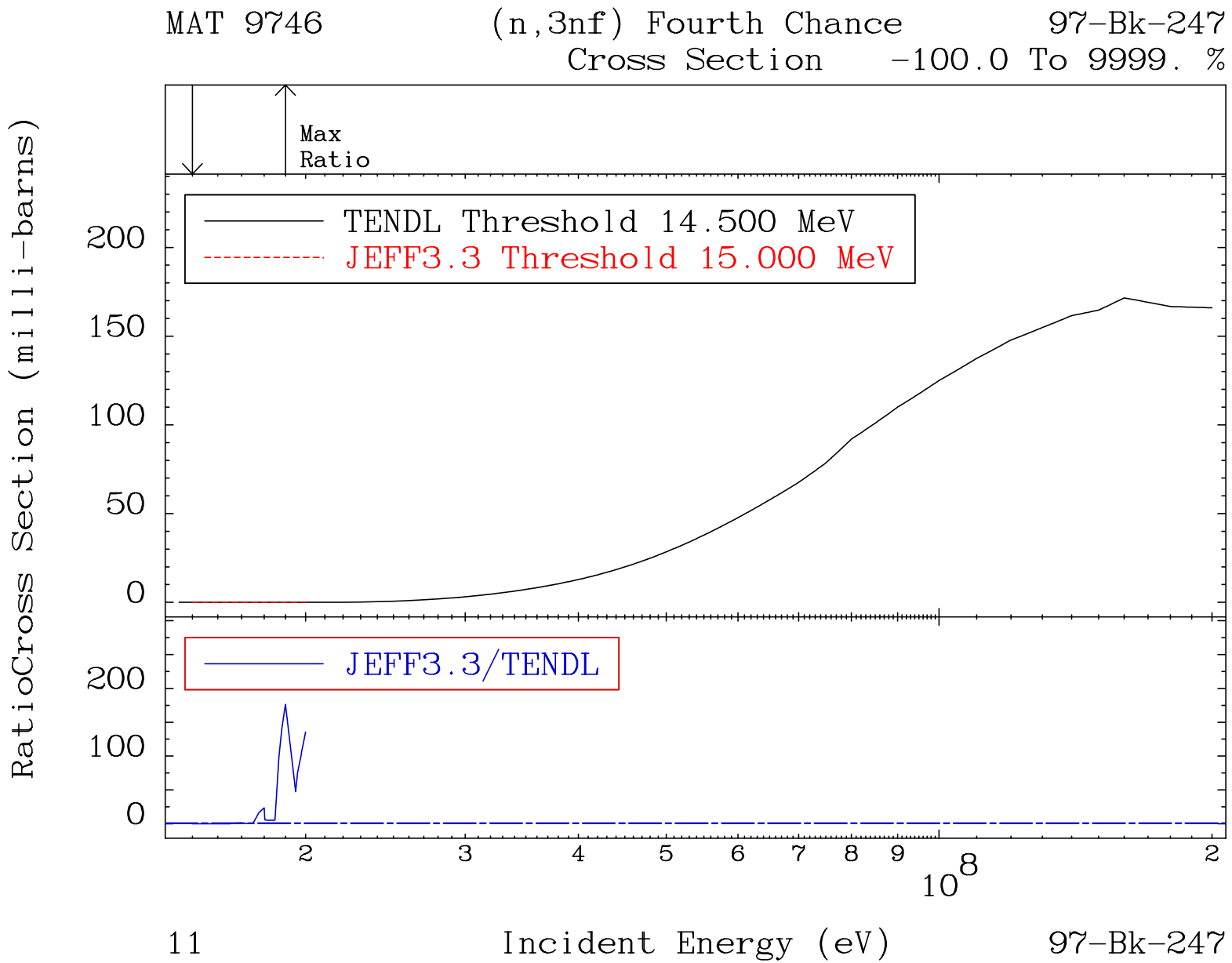

MAT 9746
Fission
Cross Section
97-Bk-247
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
6
97-Bk-247

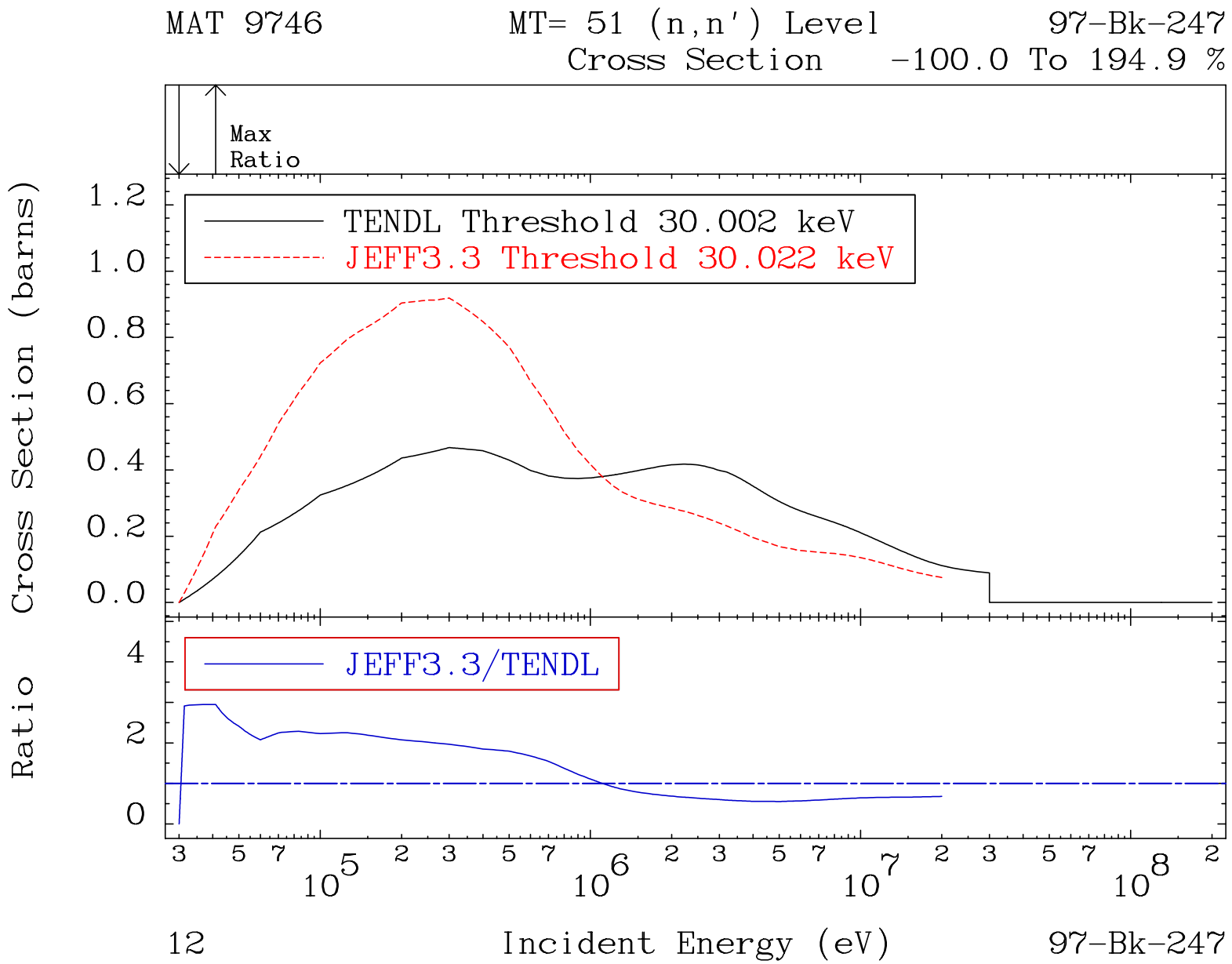

MAT 9746
(n,f) First Chance
Cross Section
97-Bk-247
-100.0 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
97-Bk-247
7

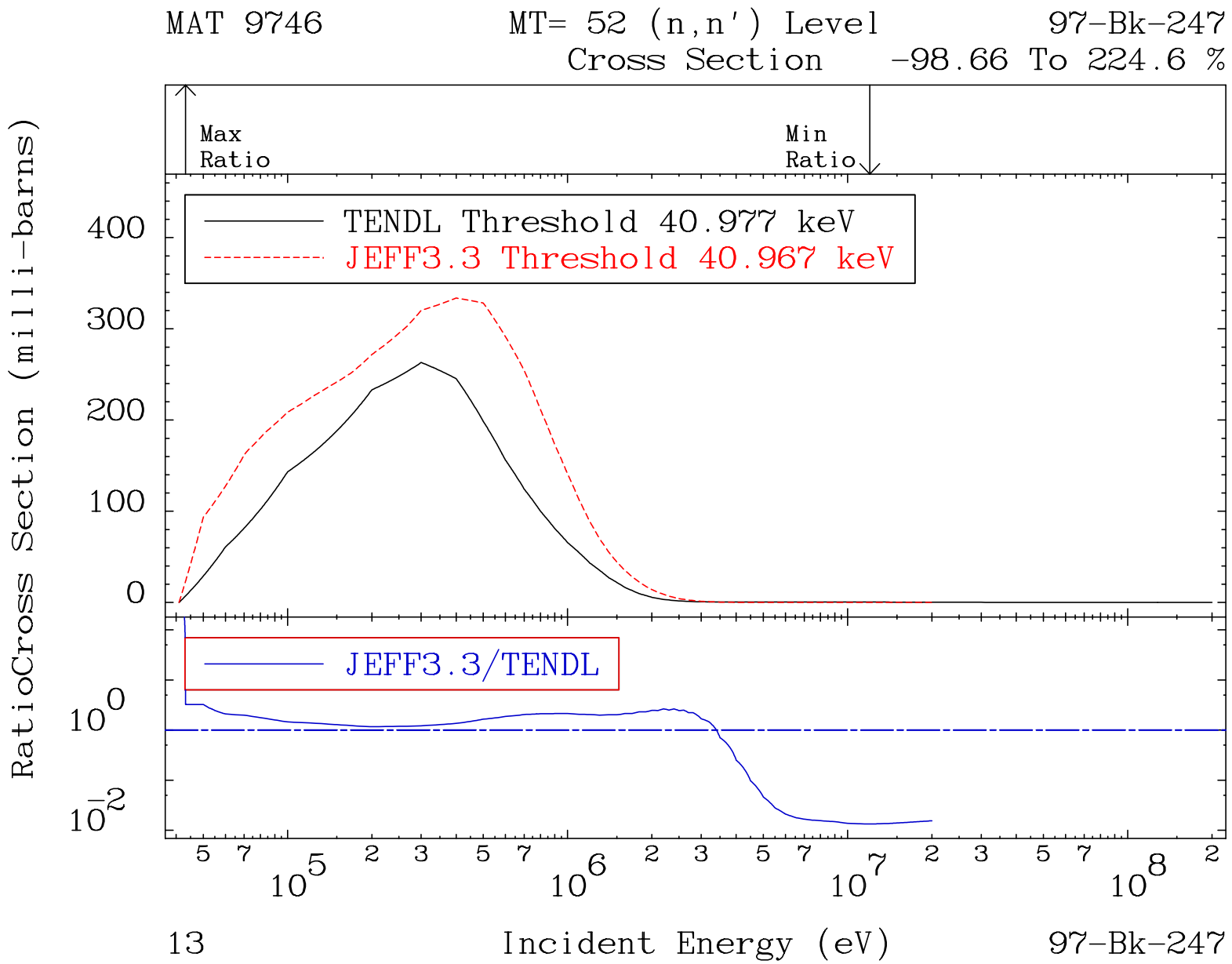

MAT 9746
(n,nf) Second Chance
97-Bk-247
Cross Section -100.0 To 9833. %
Min Ratio
Max Ratio
TENDL Threshold 1.8000 MeV
JEFF3.3 Threshold 2.3000 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
120
60
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
Incident Energy (eV)
8
97-Bk-247

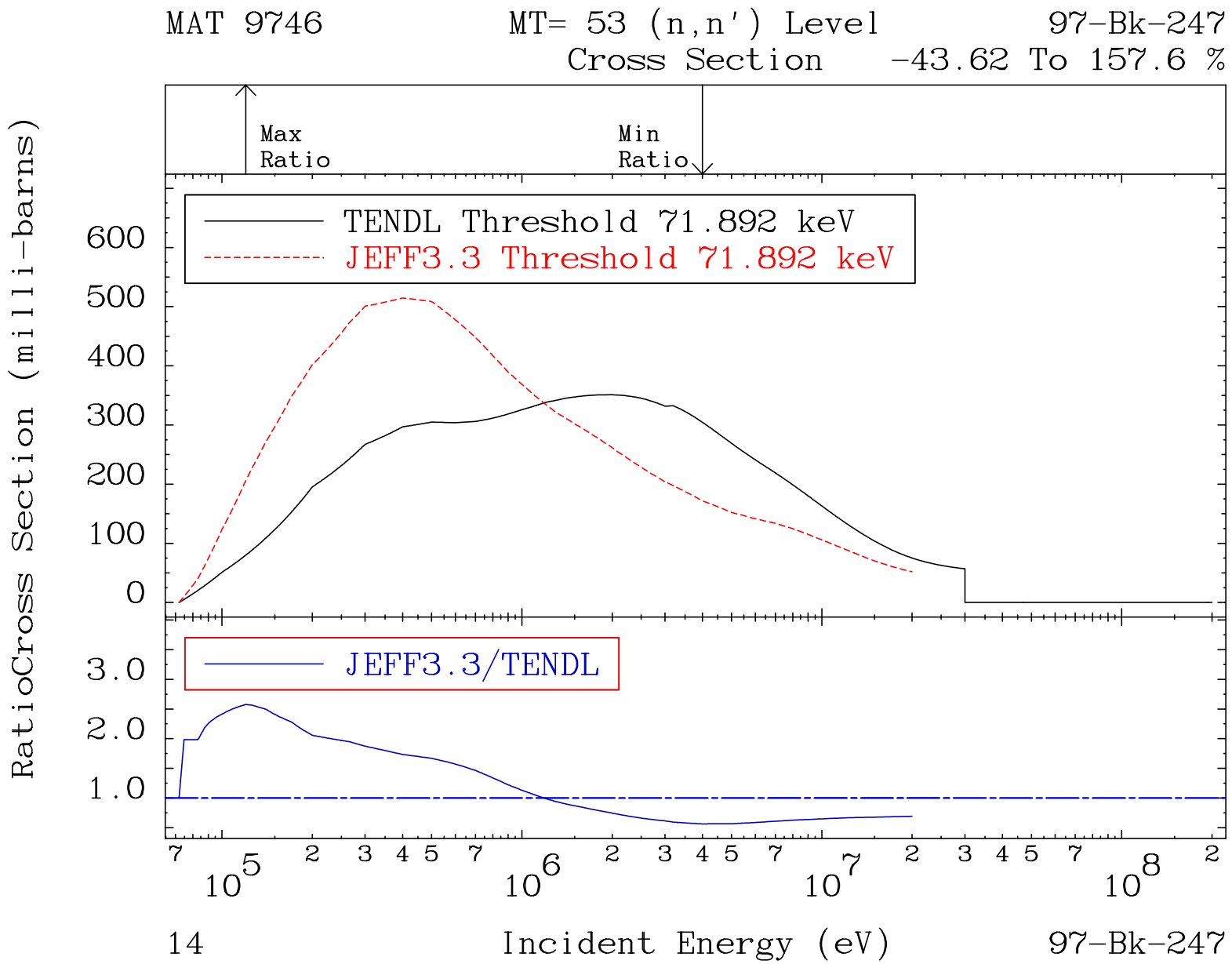

MAT 9746
(n,2nf) Third Chance
97-Bk-247
Cross Section
-100.0 To 112.7 %
Min
Ratio
Max
Ratio
TENDL Threshold 7.8000 MeV
JEFF3.3 Threshold 9.5000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
3.0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
9
Incident Energy (eV)
97-Bk-247

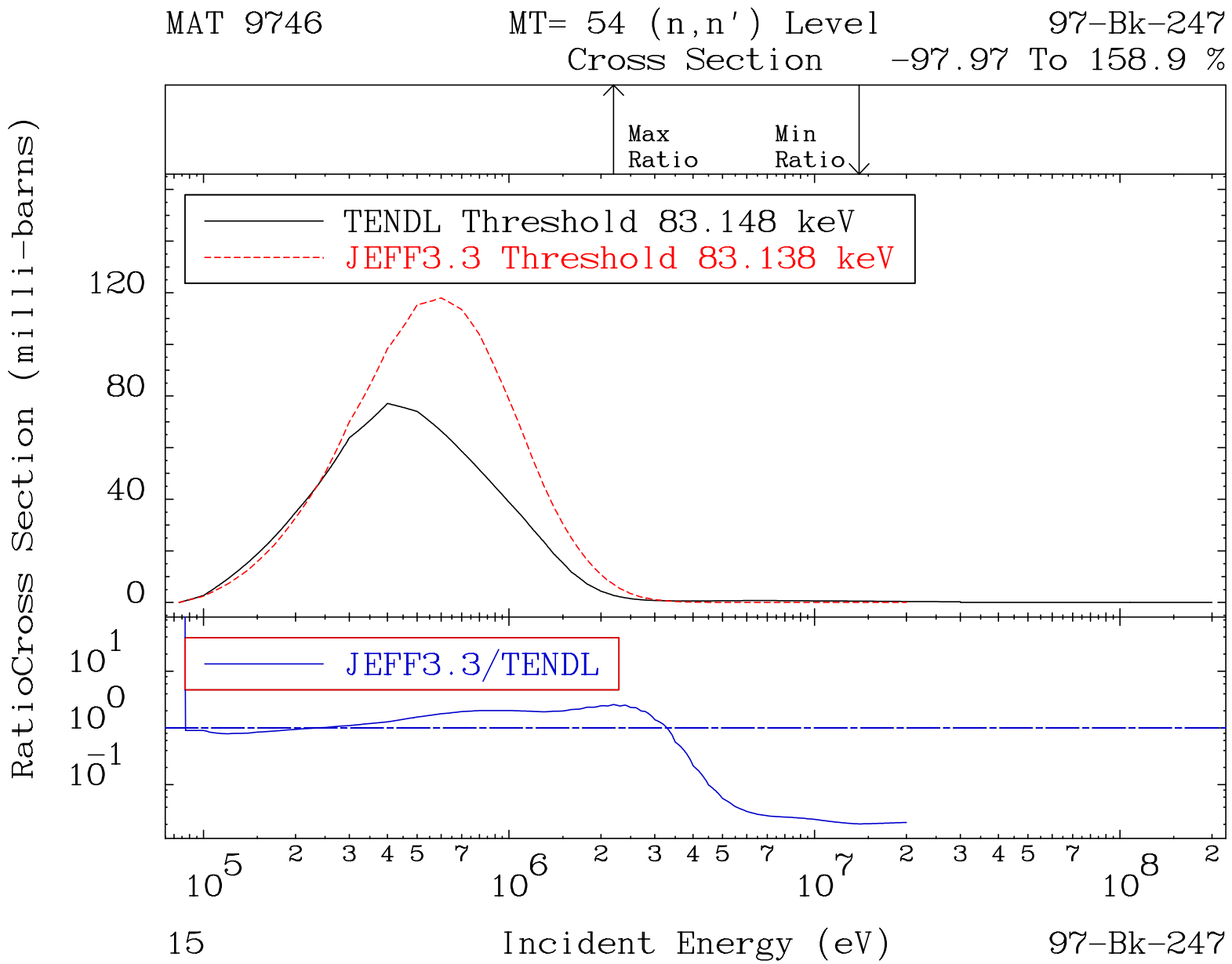

MAT 9746
(n,4n)
Cross Section
97-Bk-247
-100.0 To -100.0%
Max
Ratio
TENDL Threshold 19.518 MeV
JEFF3.3 Threshold 19.518 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
97-Bk-247

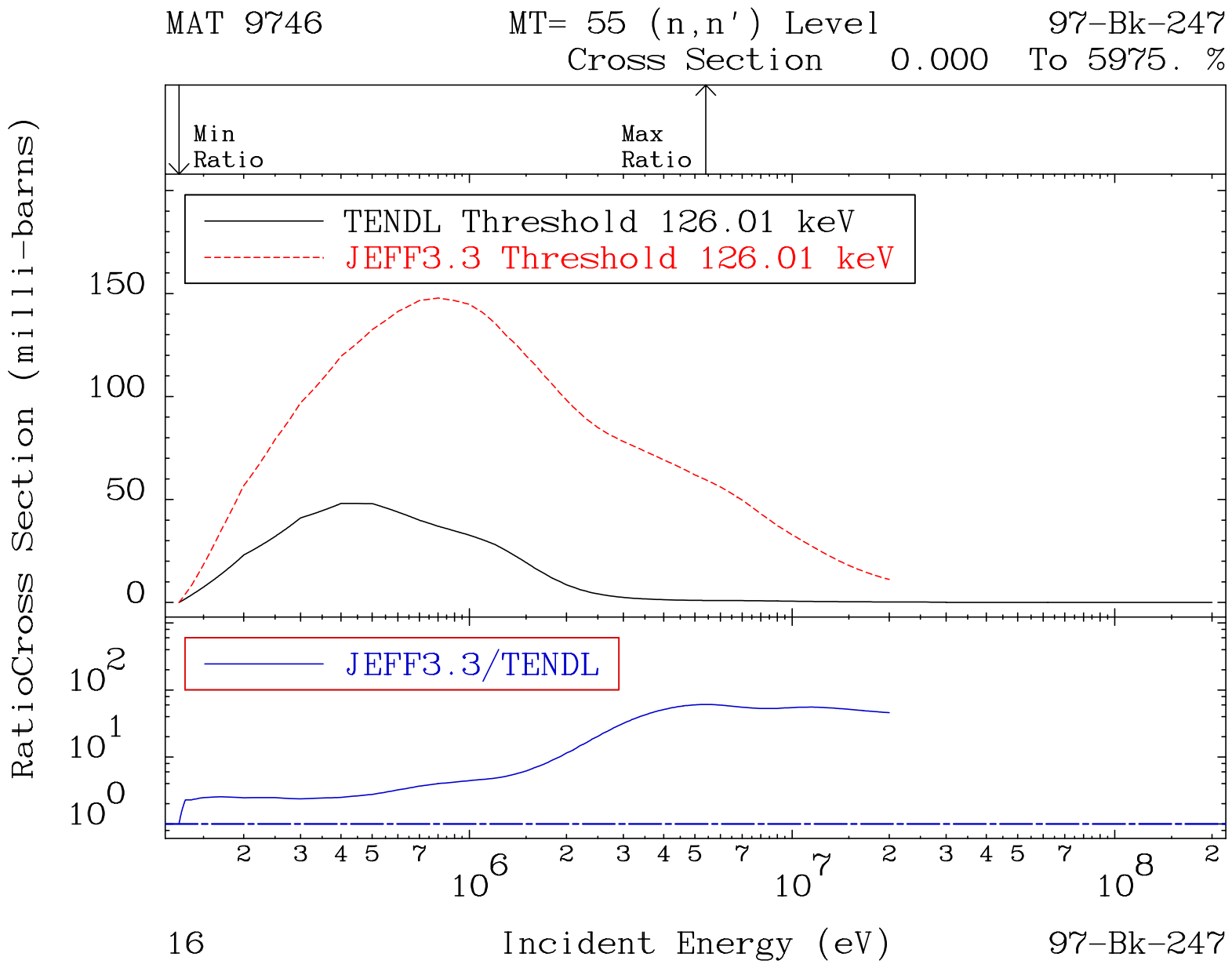

MAT 9746
(n,3nf) Fourth Chance
97-Bk-247
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 14.500 MeV
JEFF3.3 Threshold 15.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
200
100
0
2
3
4
5
6
7
8
9
10^8
2
11
Incident Energy (eV)
97-Bk-247

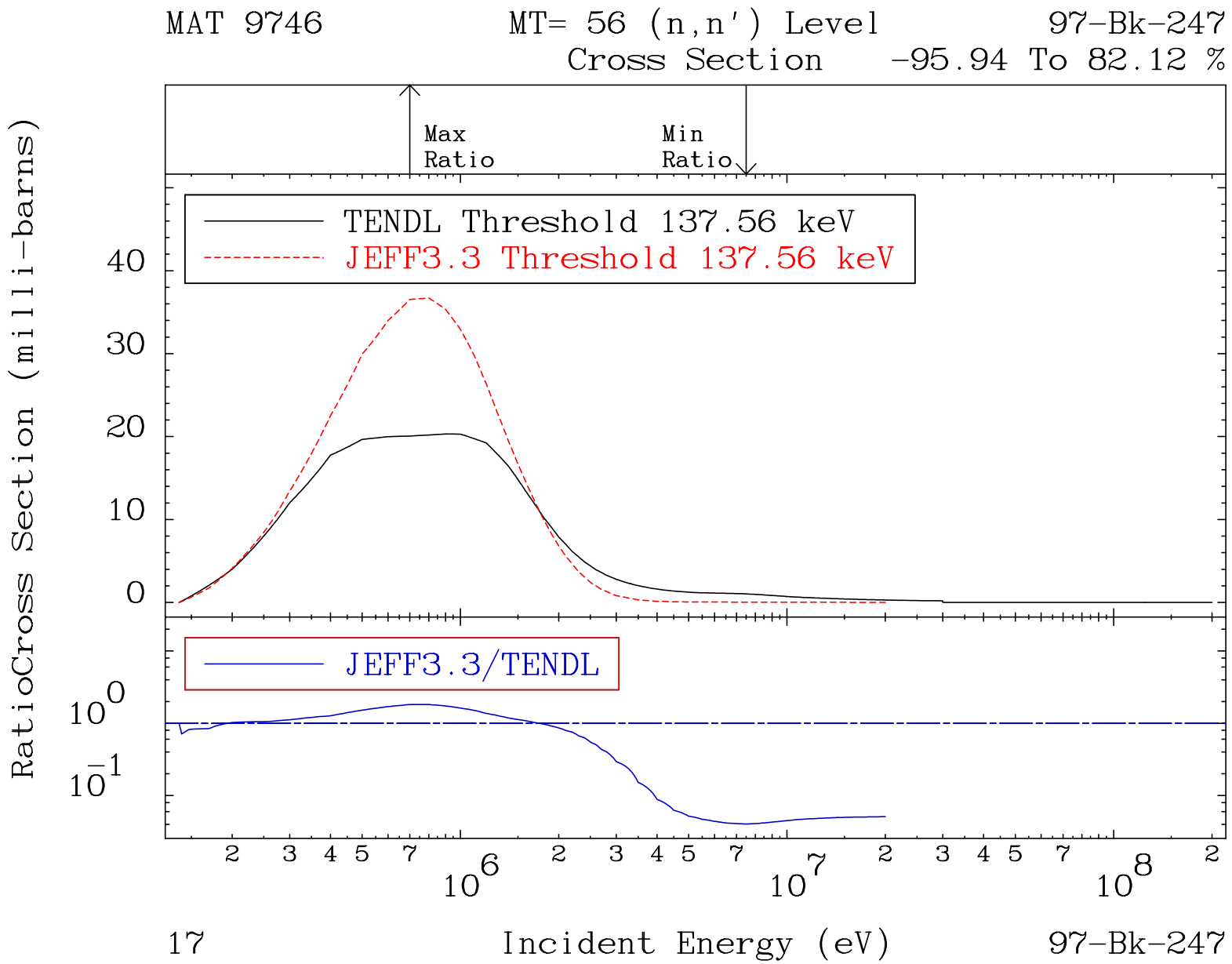

MAT 9746
MT= 51 (n,n') Level
97-Bk-247
Cross Section
-100.0 To 194.9 %
Max
Ratio
TENDL Threshold 30.002 keV
JEFF3.3 Threshold 30.022 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
4
2
0
3 5 7 10^5 2 3 5 7 10^6 2 3 5 7 10^7 2 3 5 7 10^8 2
12
Incident Energy (eV)
97-Bk-247

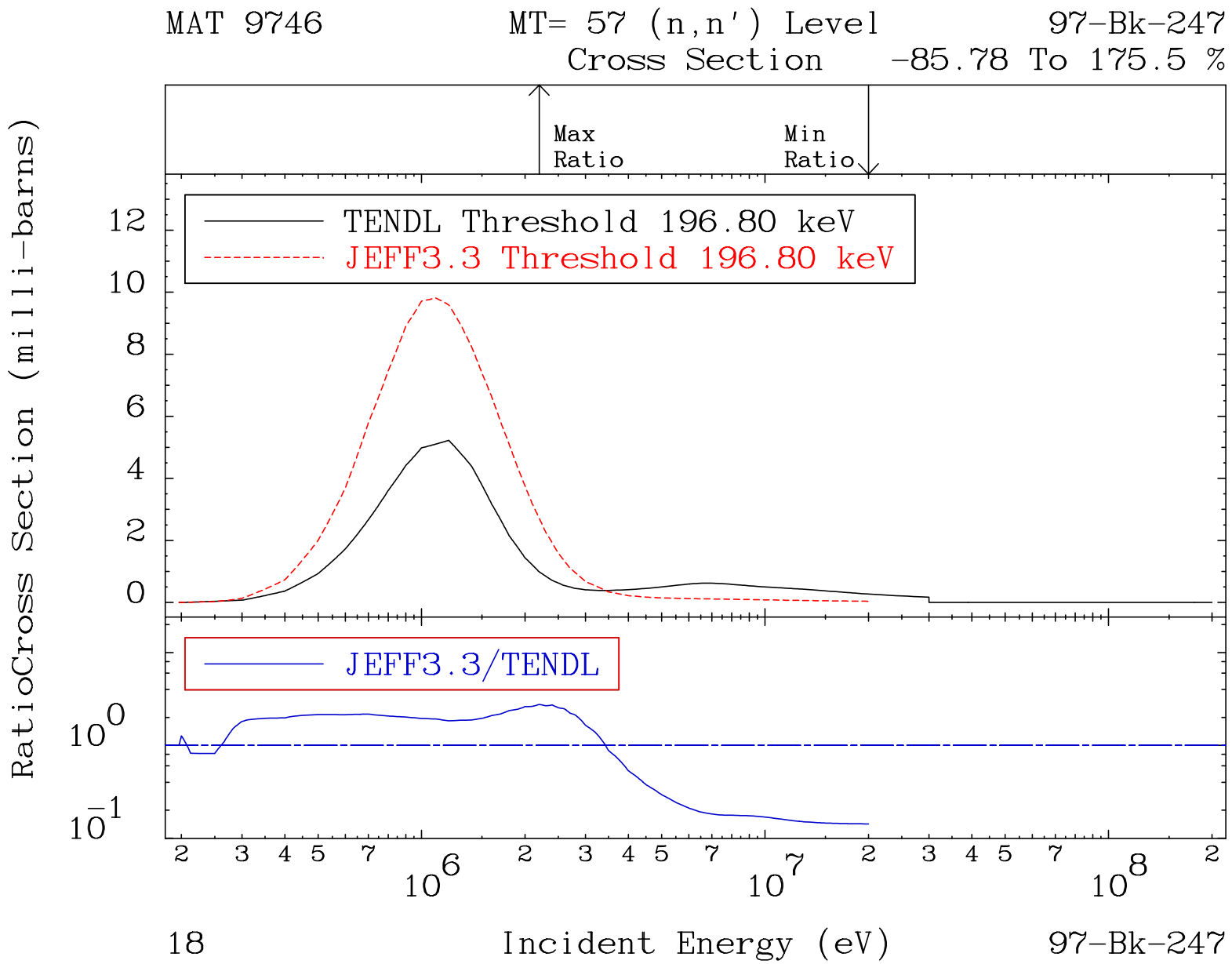

MAT 9746
MT= 52 (n,n') Level
Cross Section
97-Bk-247
-98.66 To 224.6 %
Max Ratio
Min Ratio
TENDL Threshold 40.977 keV
JEFF3.3 Threshold 40.967 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
10^{0}
10^{-2}
5 7 10^{5} 2 3 5 7 10^{6} 2 3 5 7 10^{7} 2 3 5 7 10^{8} 2
13
Incident Energy (eV)
97-Bk-247

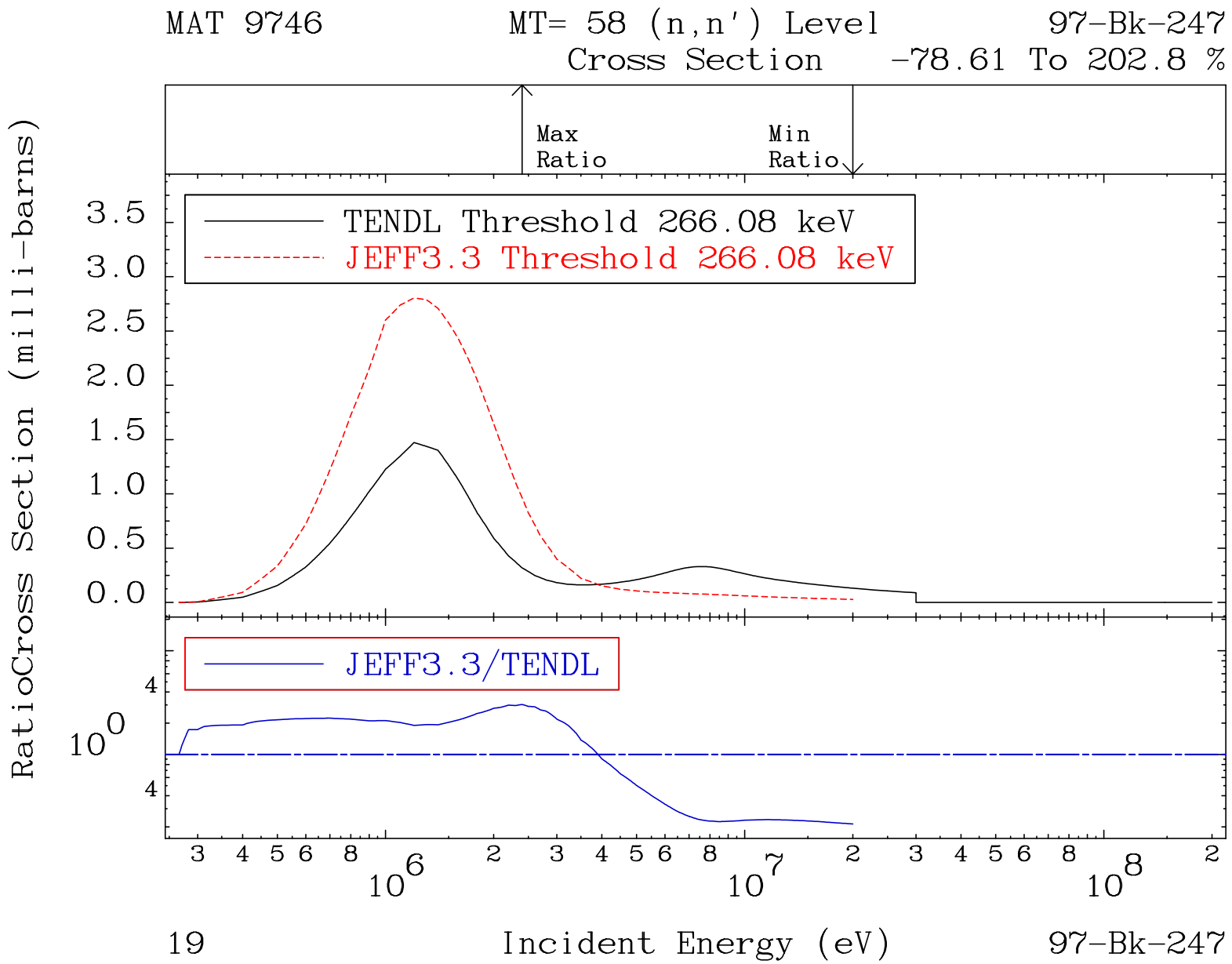

MAT 9746
MT= 53 (n,n') Level
Cross Section
97-Bk-247
-43.62 To 157.6 %
Max Ratio
Min Ratio
TENDL Threshold 71.892 keV
JEFF3.3 Threshold 71.892 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
600
500
400
300
200
100
0
3.0
2.0
1.0
7
2
3
4
5
7
10^5
10^6
10^7
10^8
14
Incident Energy (eV)
97-Bk-247

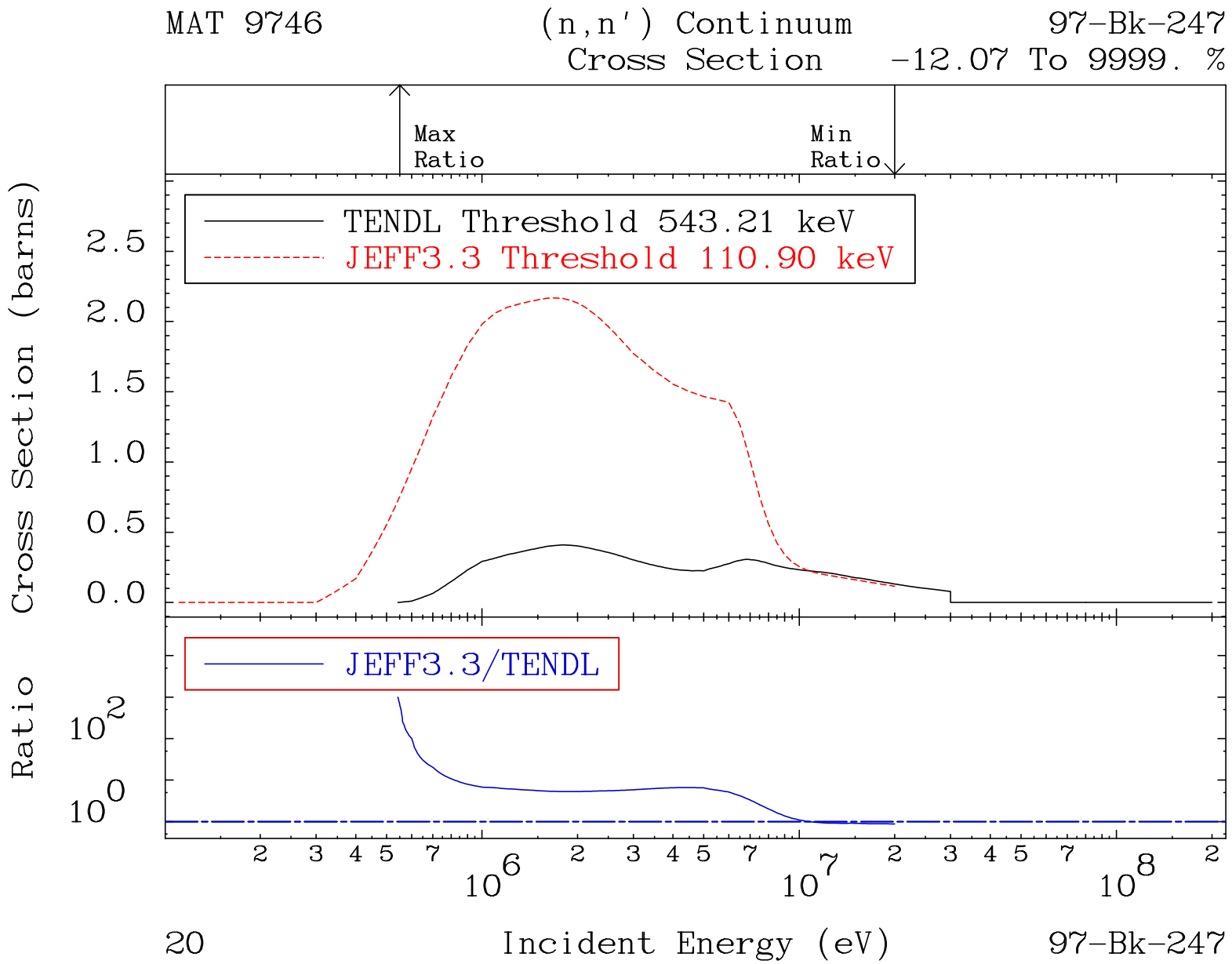

MAT 9746
MT= 54 (n,n') Level
97-Bk-247
Cross Section
-97.97 To 158.9 %
Max Ratio
Min Ratio
TENDL Threshold 83.148 keV
JEFF3.3 Threshold 83.138 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
80
40
0
10^1
10^0
10^-1
10^5
10^6
10^7
10^8
Incident Energy (eV)
15
97-Bk-247

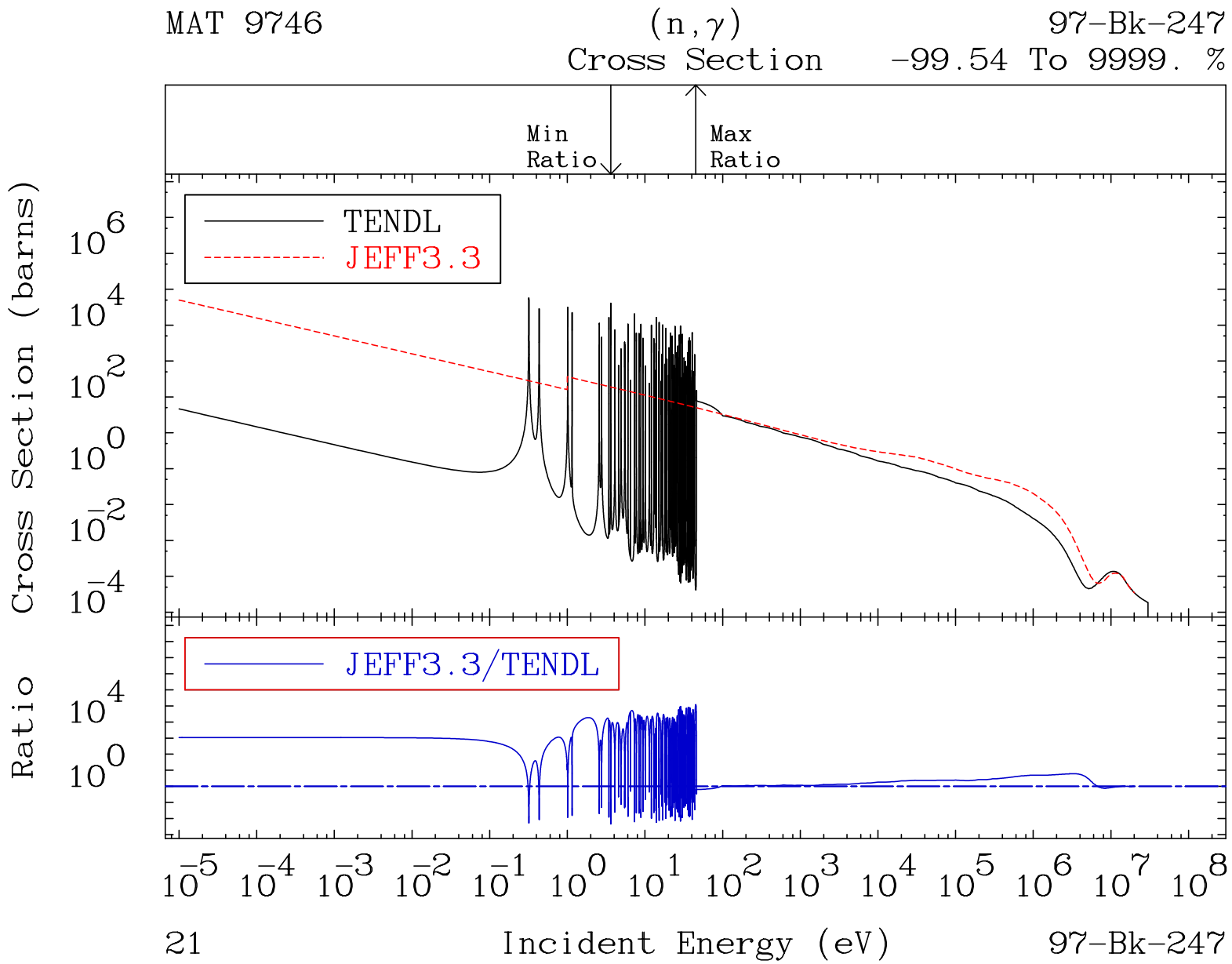

MAT 9746
MT= 55 (n,n') Level
97-Bk-247
Cross Section 0.000 To 5975. %
Min Ratio
Max Ratio
TENDL Threshold 126.01 keV
JEFF3.3 Threshold 126.01 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
150
100
50
0
10^2
10^1
10^0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
16
Incident Energy (eV)
97-Bk-247

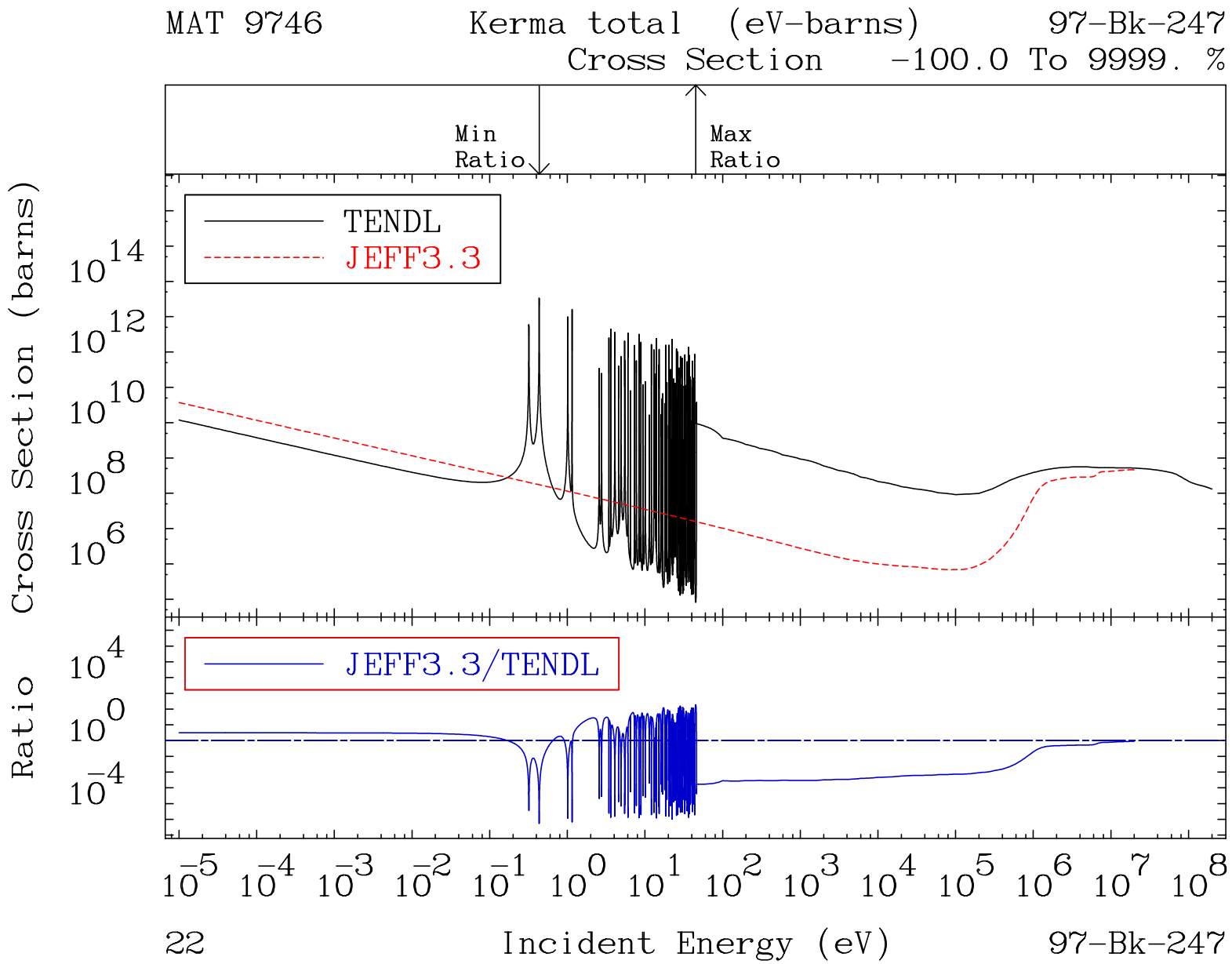

MAT 9746
MT= 56 (n,n') Level
Cross Section
97-Bk-247
-95.94 To 82.12 %
Max Ratio
Min Ratio
TENDL Threshold 137.56 keV
JEFF3.3 Threshold 137.56 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
10^{0}
10^{-1}
2 3 4 5 7 10^{6} 2 3 4 5 7 10^{7} 2 3 4 5 7 10^{8} 2
17
Incident Energy (eV)
97-Bk-247

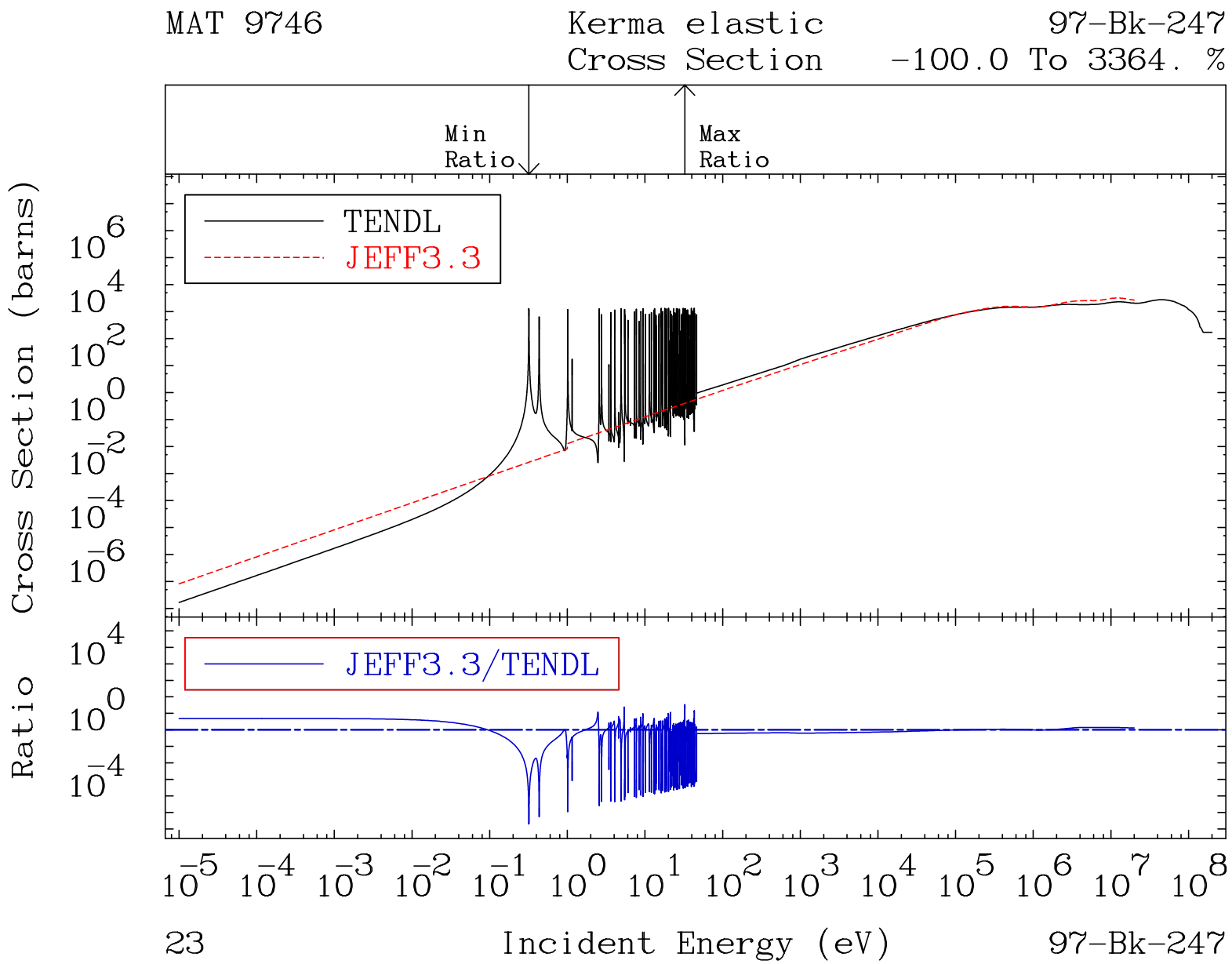

MAT 9746
MT= 57 (n,n') Level
Cross Section
97-Bk-247
-85.78 To 175.5 %
Max Ratio
Min Ratio
TENDL Threshold 196.80 keV
JEFF3.3 Threshold 196.80 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
18
97-Bk-247

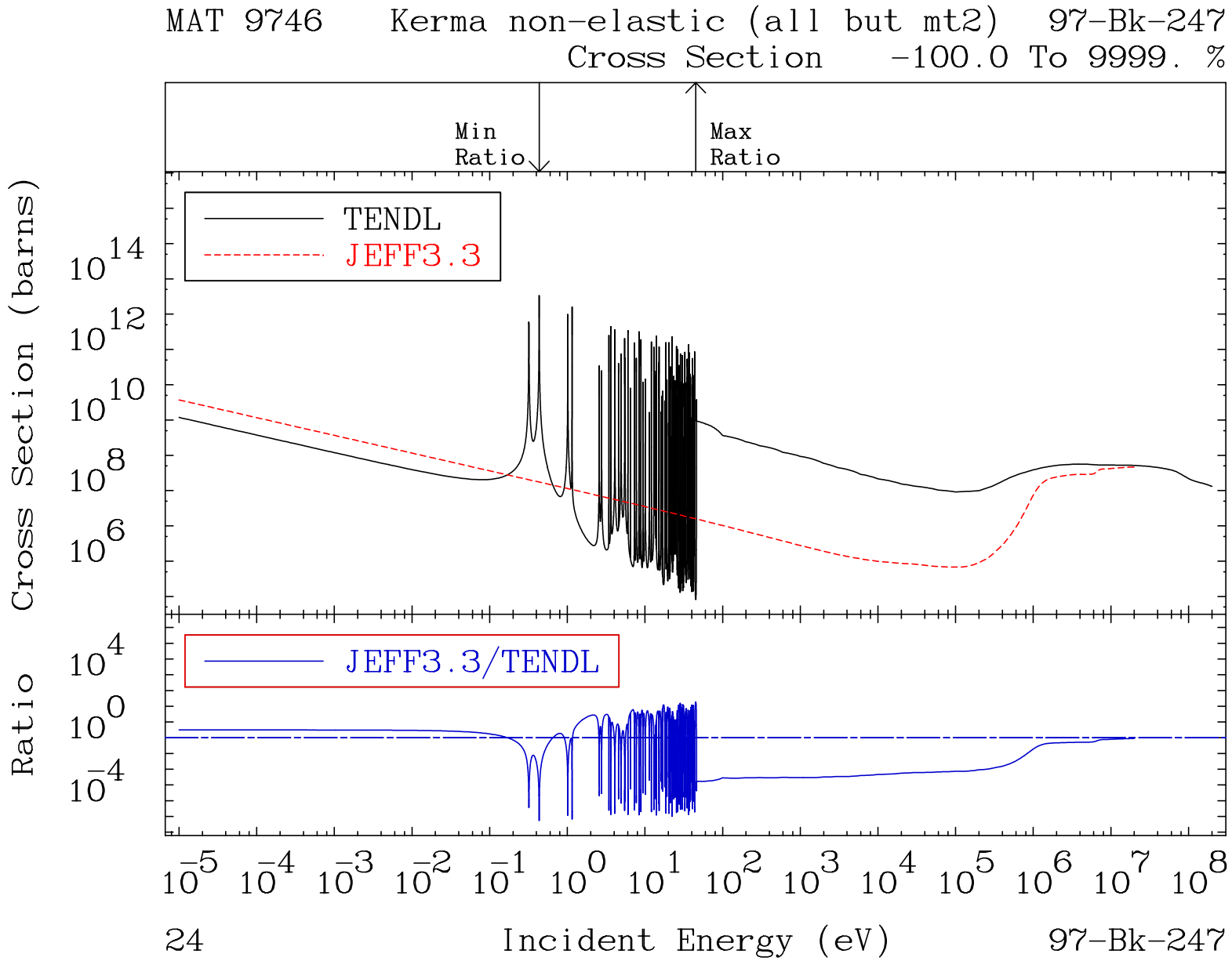

MAT 9746
MT= 58 (n,n') Level
Cross Section
97-Bk-247
-78.61 To 202.8 %
Max Ratio
Min Ratio
TENDL Threshold 266.08 keV
JEFF3.3 Threshold 266.08 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
97-Bk-247

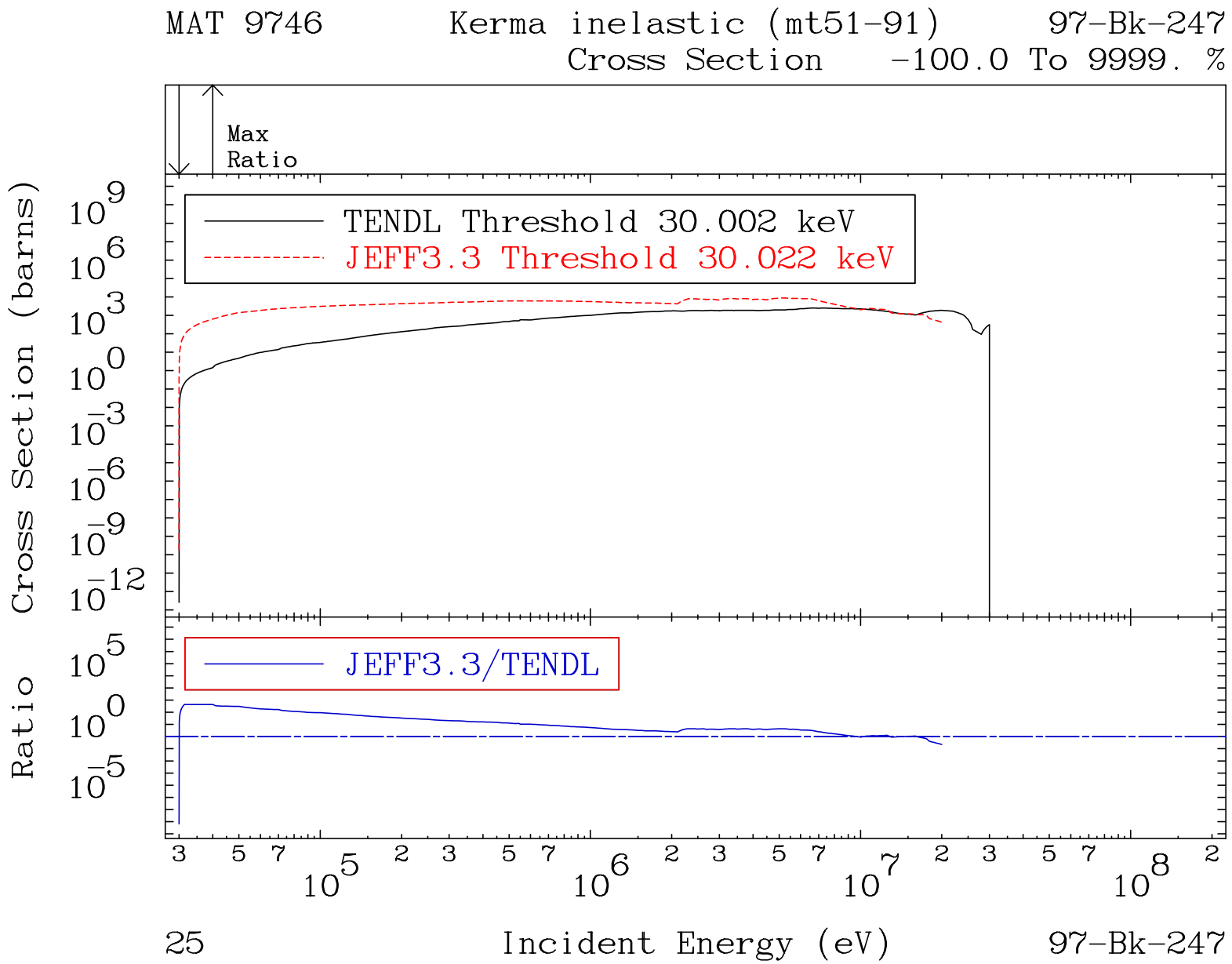

MAT 9746
(n,n') Continuum
Cross Section
97-Bk-247
-12.07 To 9999. %
Max
Ratio
Min
Ratio
TENDL Threshold 543.21 keV
JEFF3.3 Threshold 110.90 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^2
10^0
2 3 4 5 7
10^6
2 3 4 5 7
10^7
2 3 4 5 7
10^8
2
20
Incident Energy (eV)
97-Bk-247

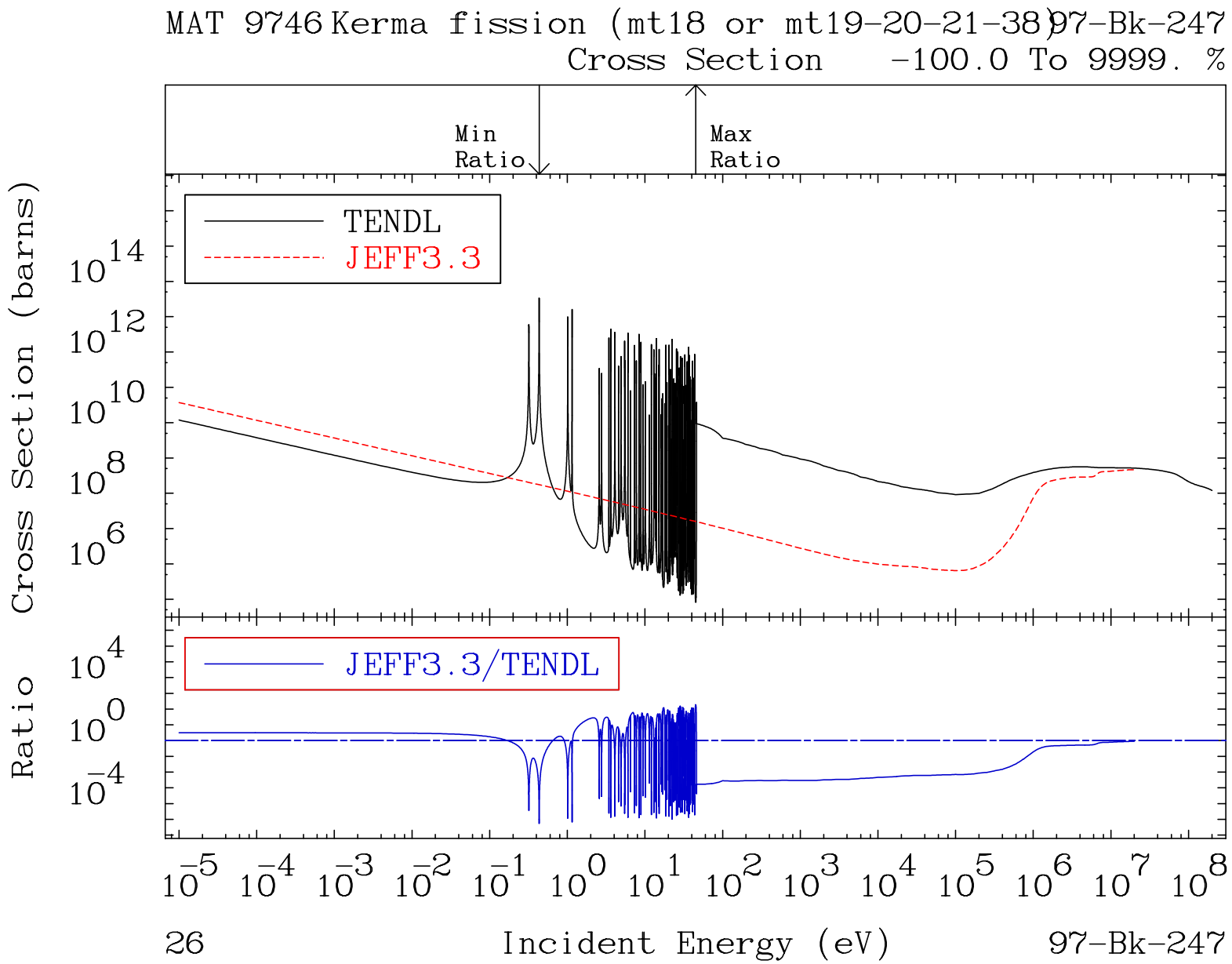

MAT 9746
(n,γ)
Cross Section
97-Bk-247
-99.54 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
21
97-Bk-247

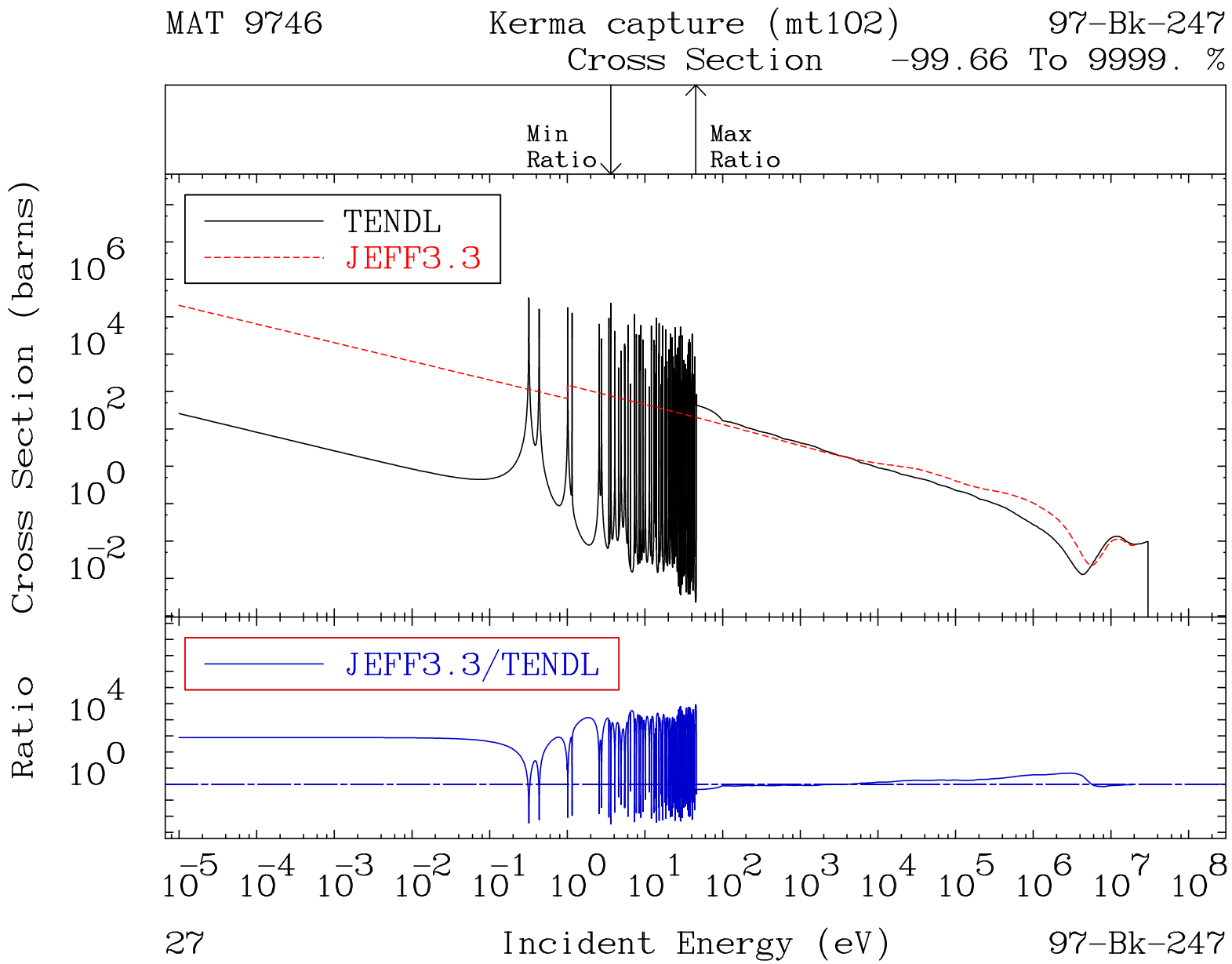

MAT 9746
Kerma total (eV-barns)
97-Bk-247
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
22
97-Bk-247

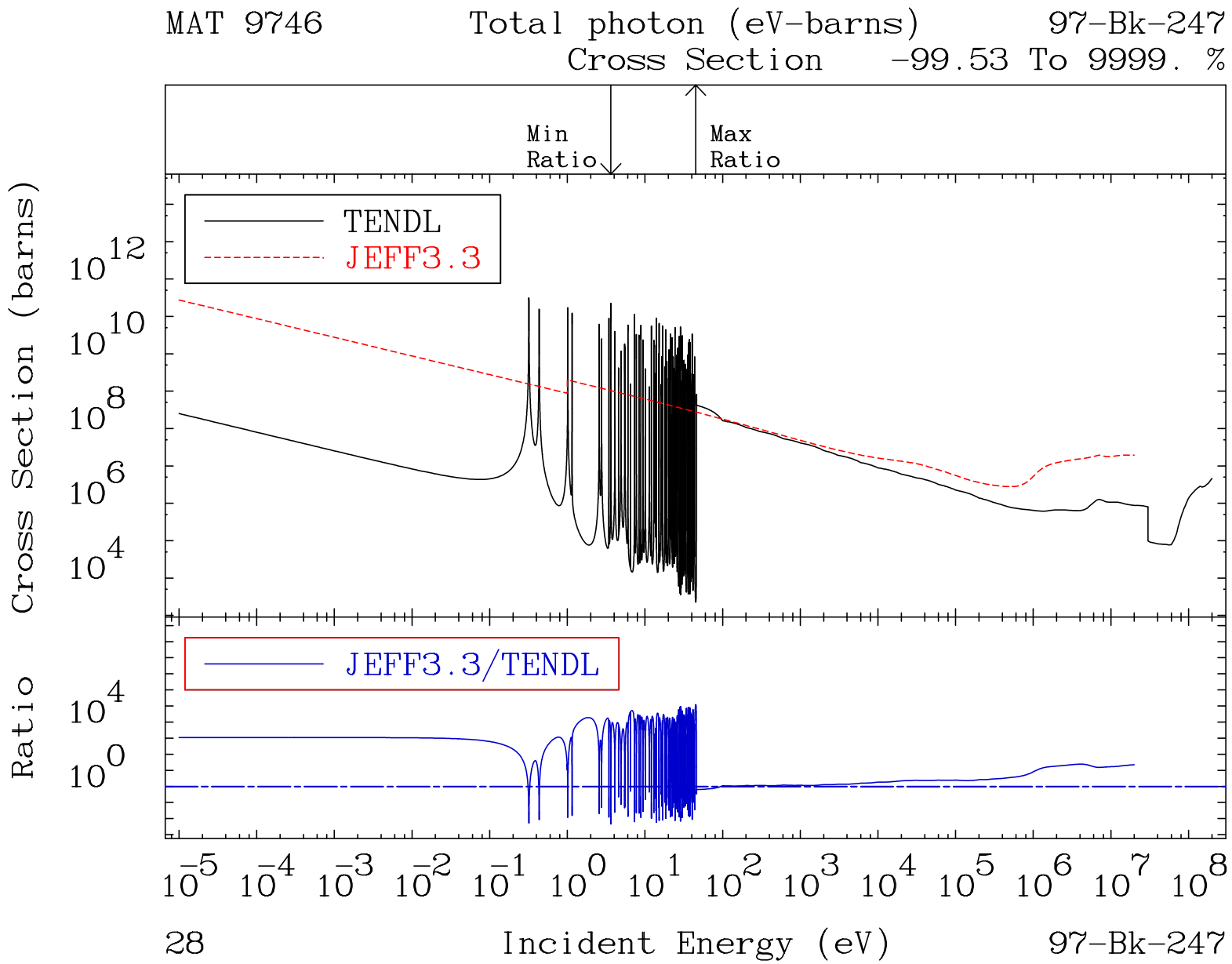

MAT 9746
Kerma elastic
Cross Section
97-Bk-247
-100.0 To 3364. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
23
97-Bk-247

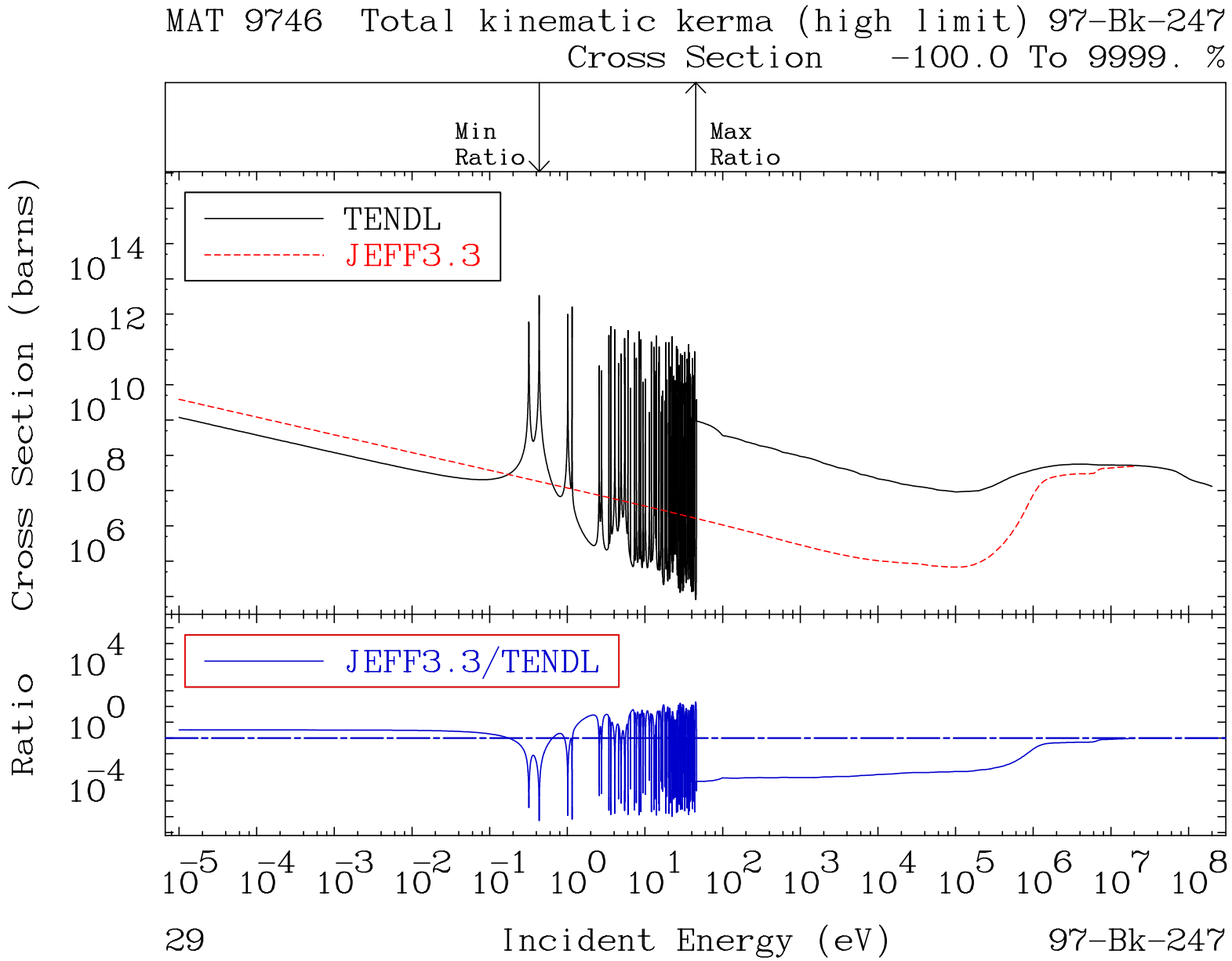

MAT 9746 Kerma non-elastic (all but mt2) 97-Bk-247
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
24
97-Bk-247

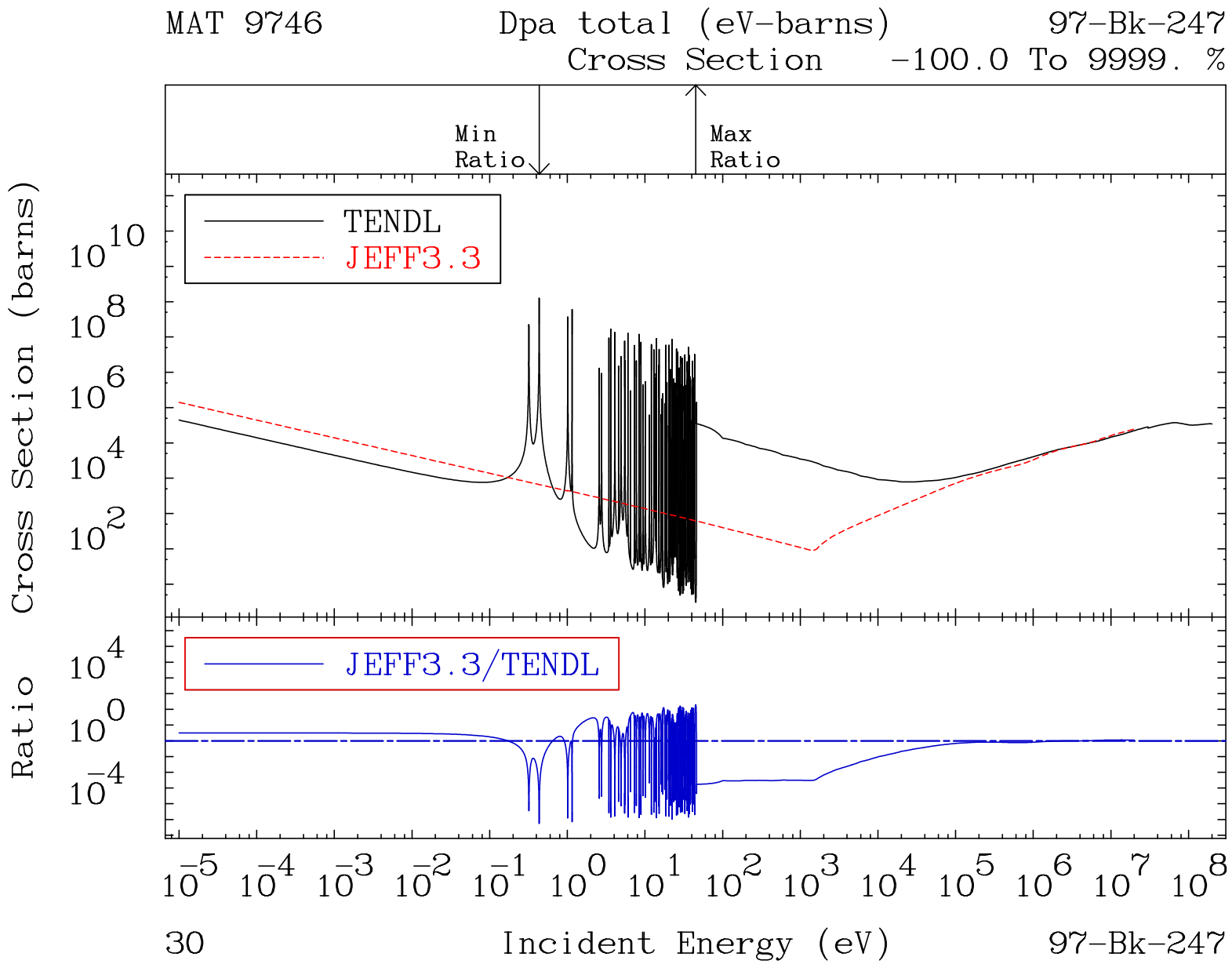

MAT 9746
Kerma inelastic (mt51-91)
97-Bk-247
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 30.002 keV
JEFF3.3 Threshold 30.022 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
25
97-Bk-247

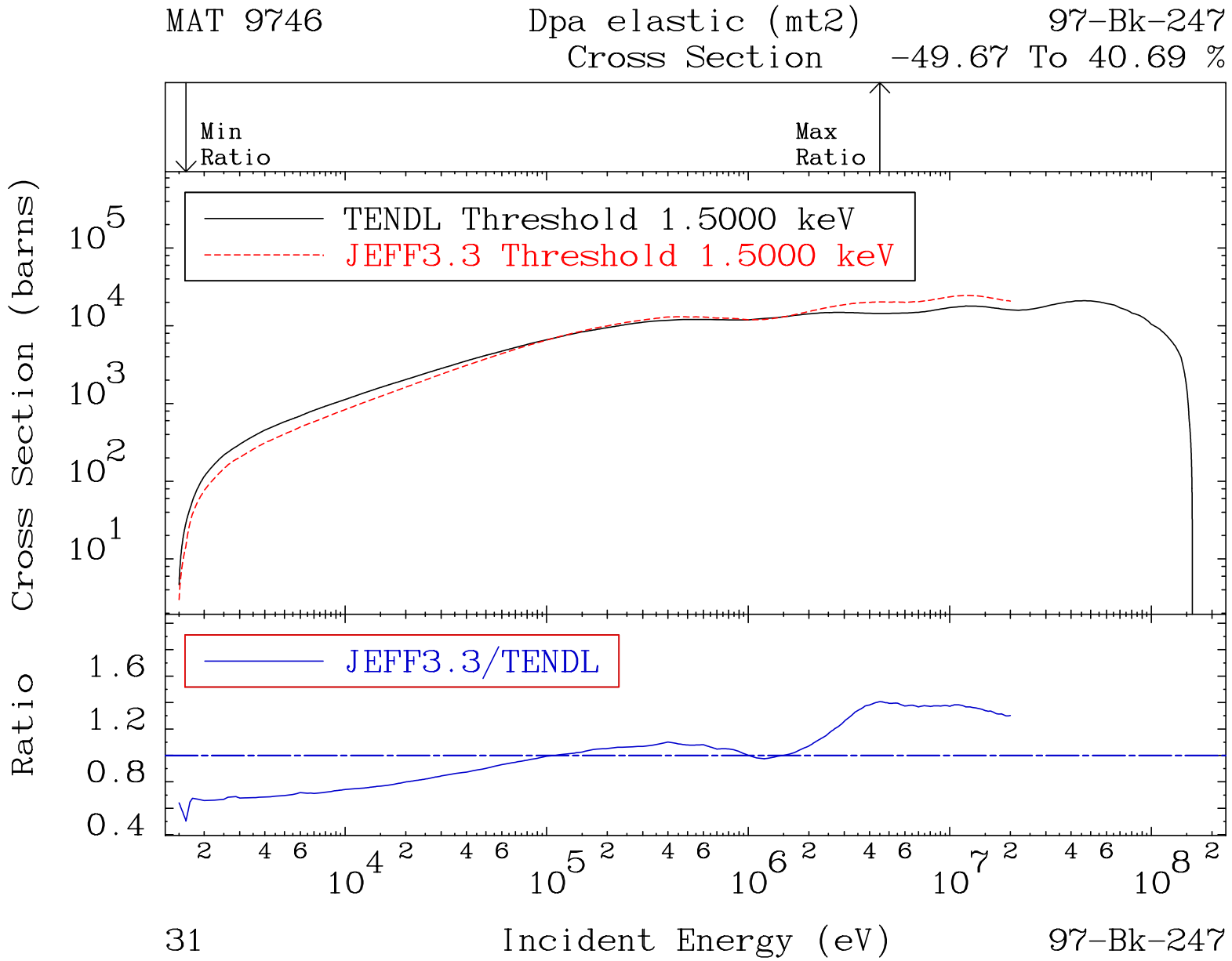

MAT 9746 Kerma fission (mt18 or mt19-20-21-38) 97-Bk-247
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
26
97-Bk-247

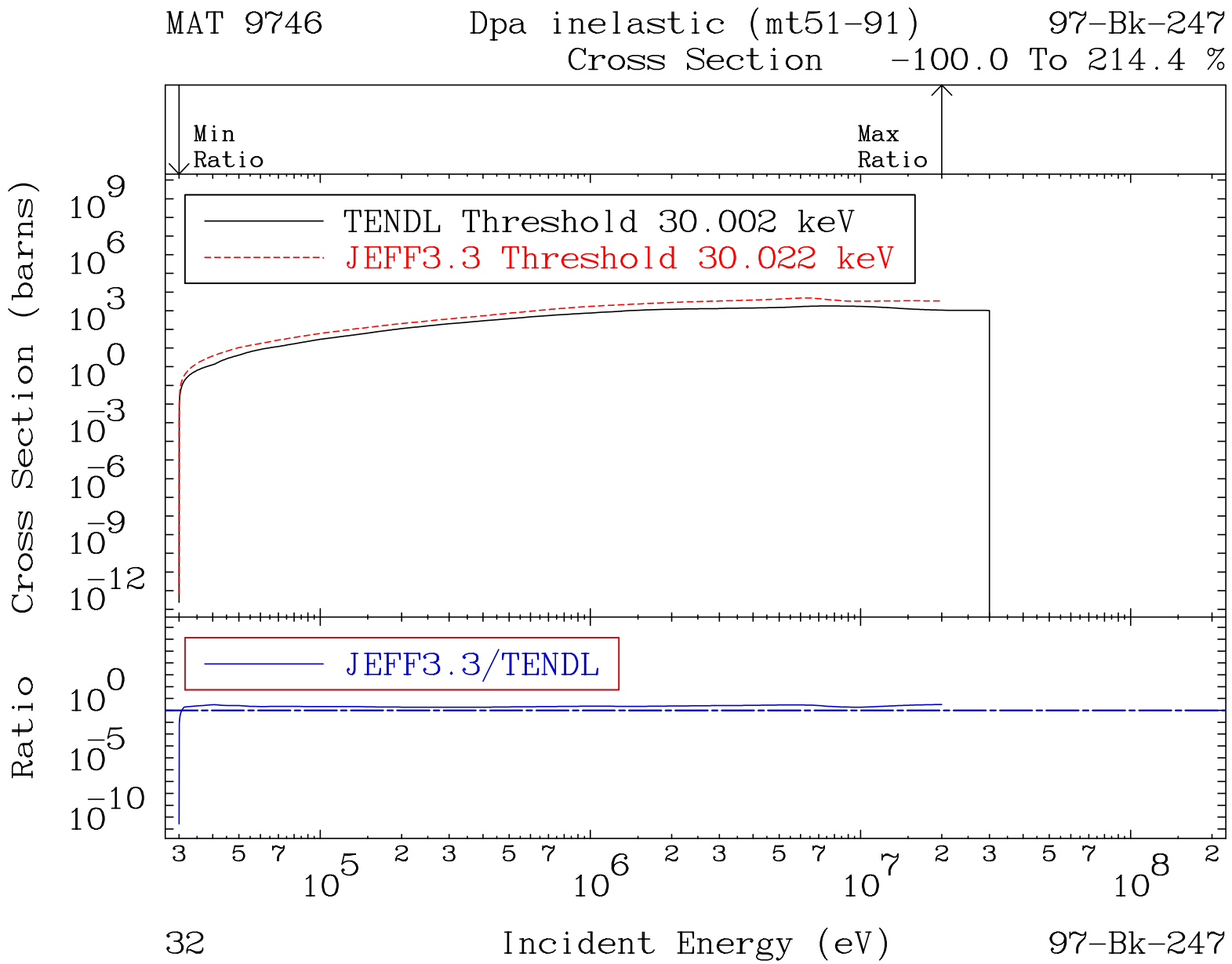

MAT 9746
Kerma capture (mt102)
97-Bk-247
Cross Section -99.66 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
27
97-Bk-247

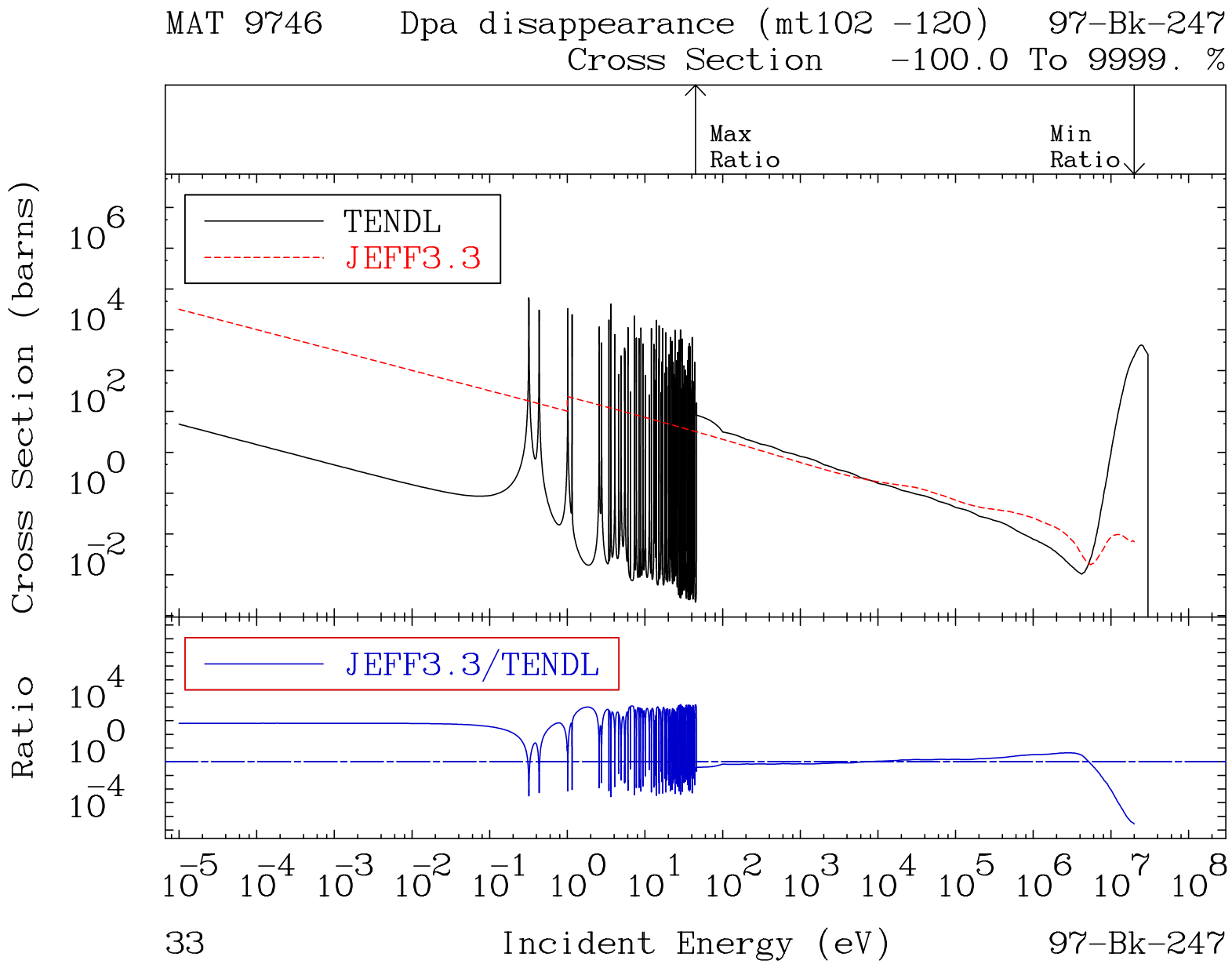

MAT 9746
Total photon (eV-barns)
97-Bk-247
Cross Section -99.53 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
28
97-Bk-247


MAT 9746 Total kinematic kerma (high limit) 97-Bk-247
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
29
97-Bk-247


MAT 9746
Dpa total (eV-barns)
97-Bk-247
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
30
97-Bk-247


MAT 9746
Dpa elastic (mt2)
Cross Section
97-Bk-247
-49.67 To 40.69 %
Min Ratio
Max Ratio
TENDL Threshold 1.5000 keV
JEFF3.3 Threshold 1.5000 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
31
97-Bk-247


MAT 9746
Dpa inelastic (mt51-91)
97-Bk-247
Cross Section -100.0 To 214.4 %
Min Ratio
Max Ratio
TENDL Threshold 30.002 keV
JEFF3.3 Threshold 30.022 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
32
97-Bk-247


MAT 9746 Dpa disappearance (mt102 -120) 97-Bk-247
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
33
97-Bk-247