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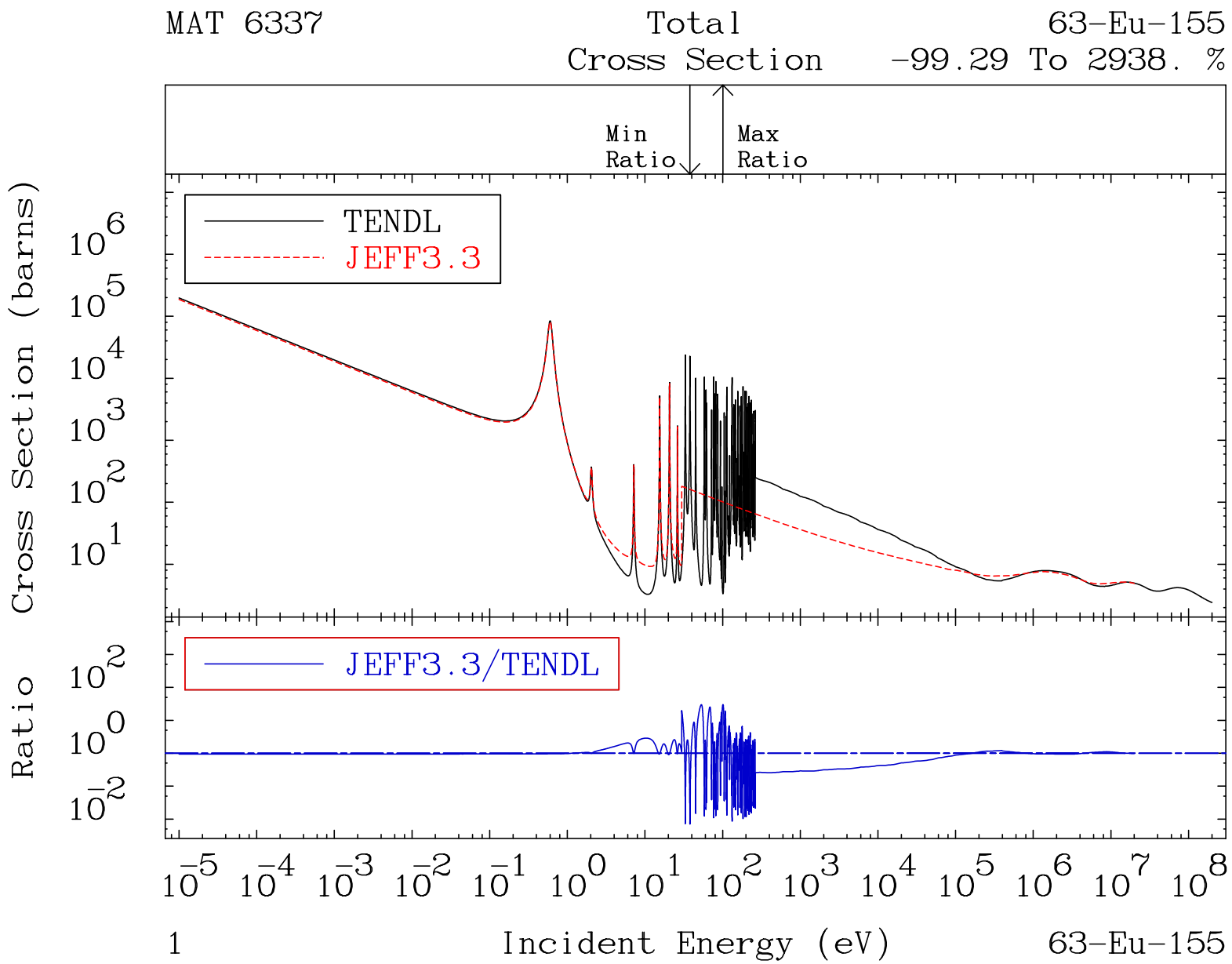
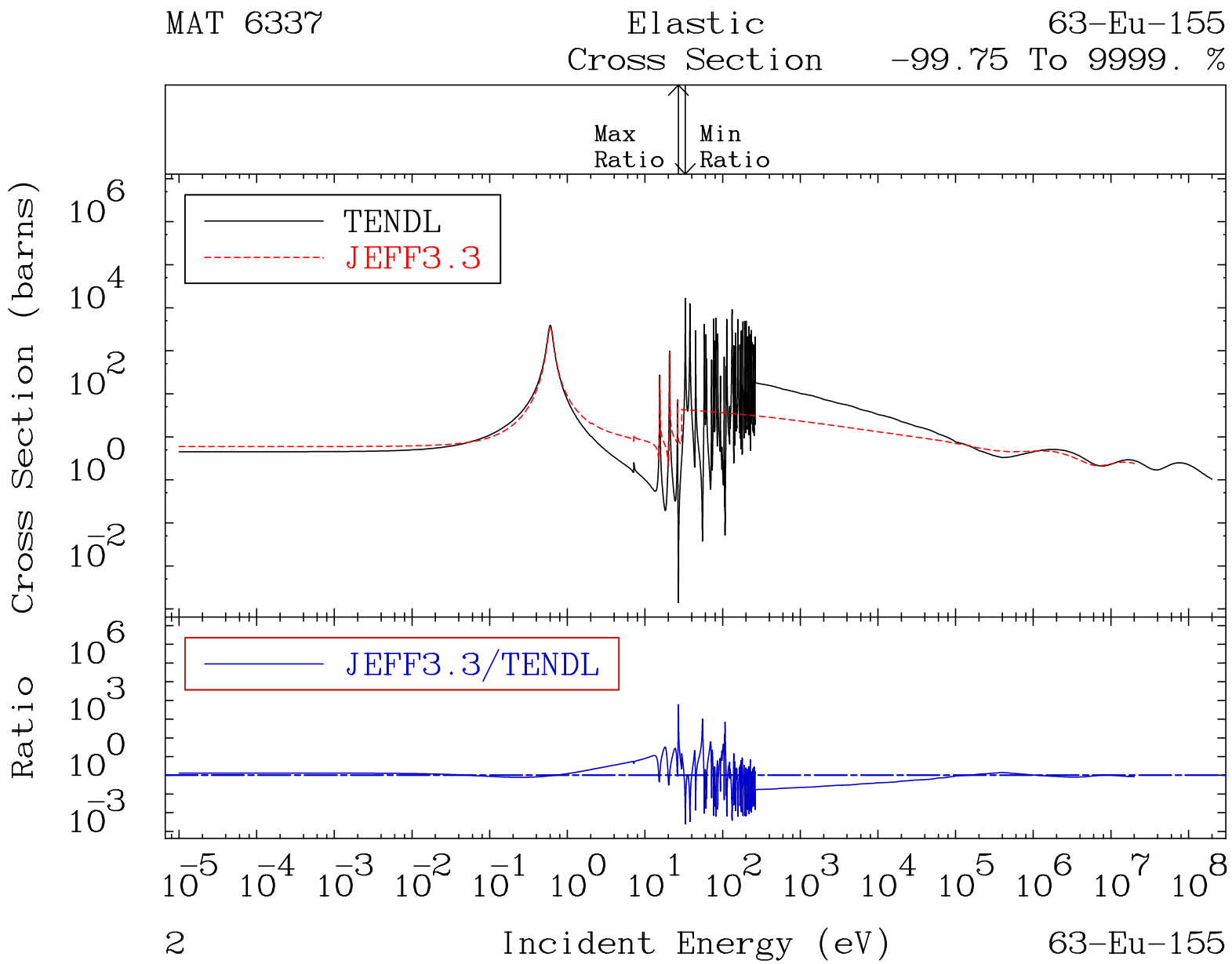
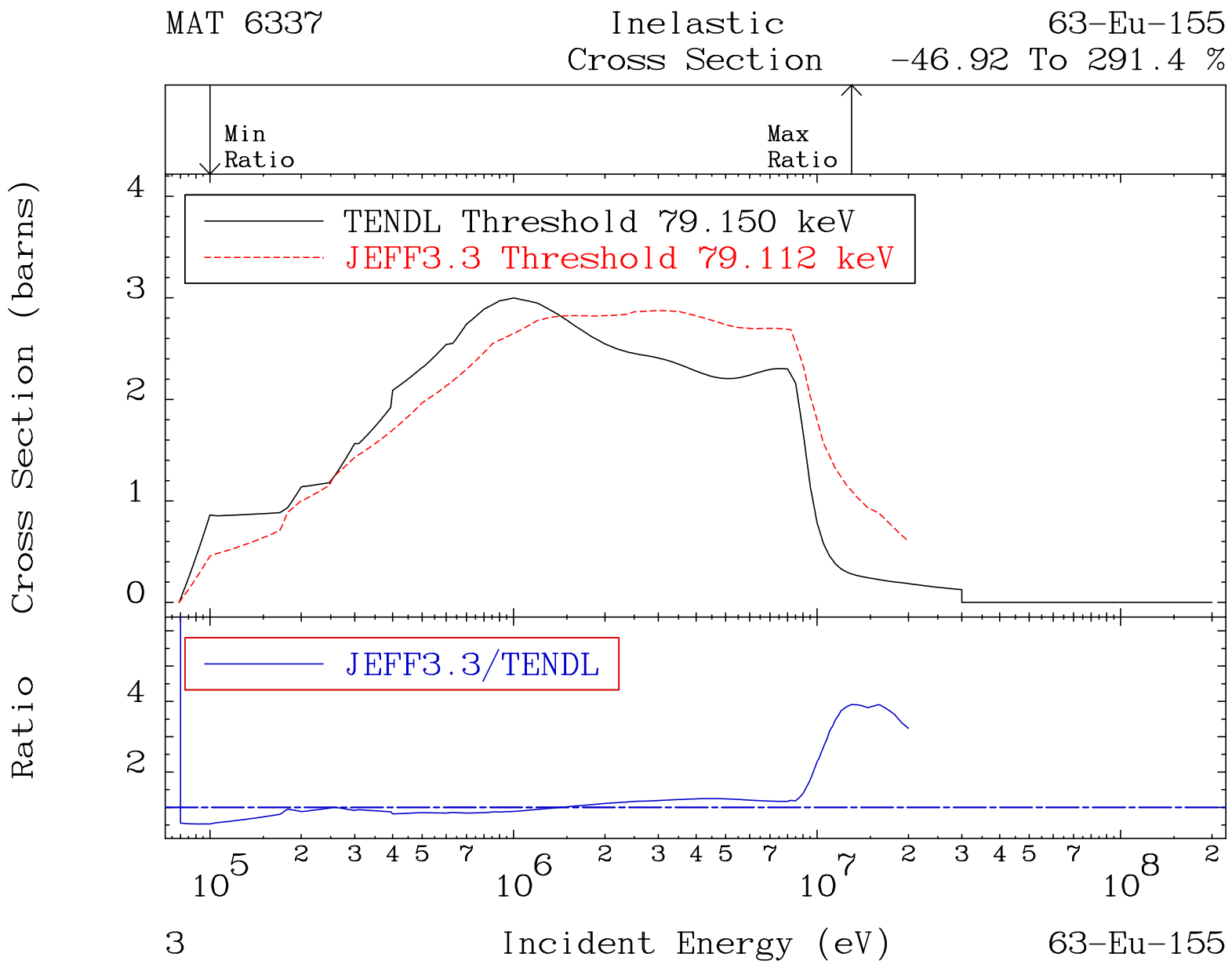
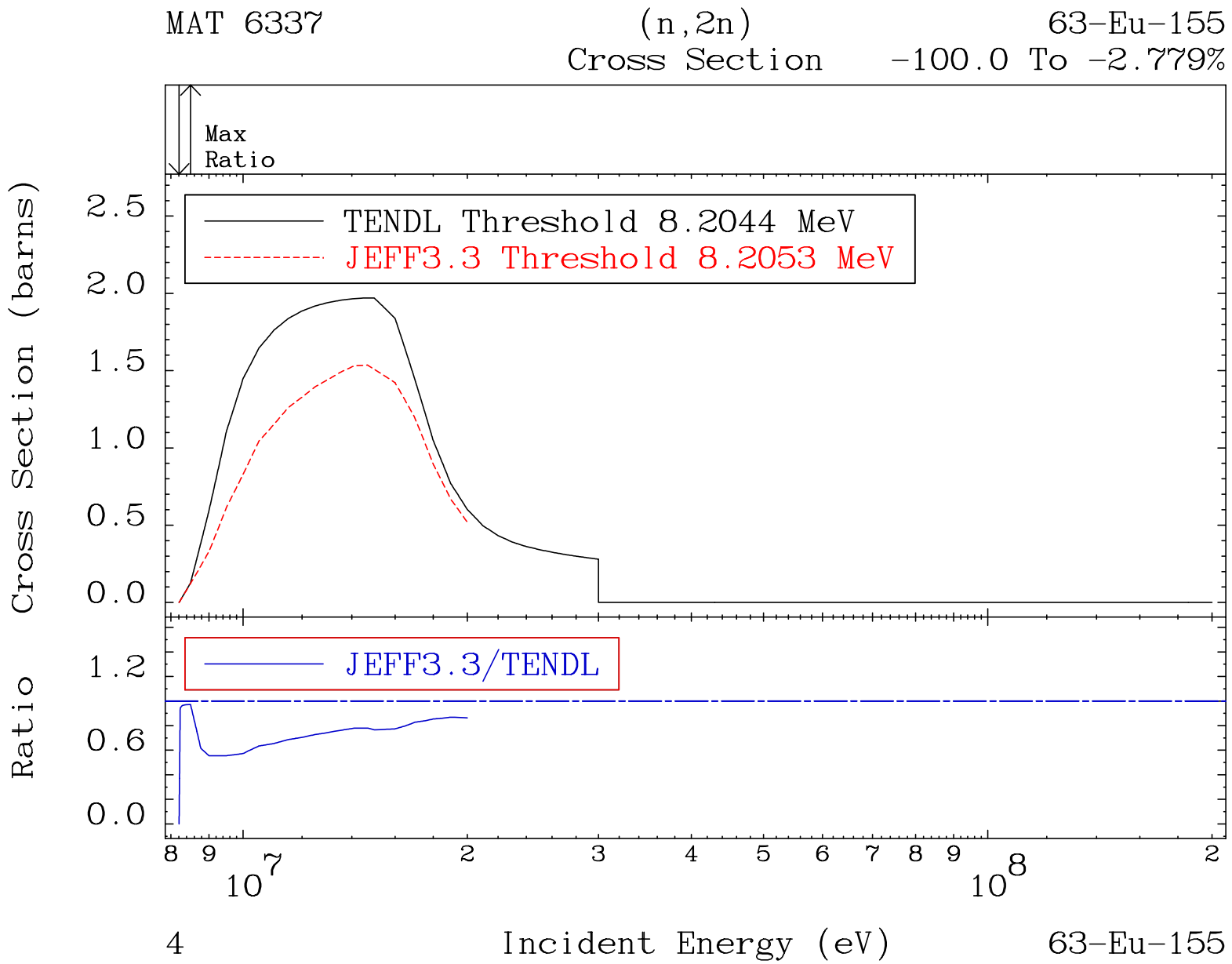
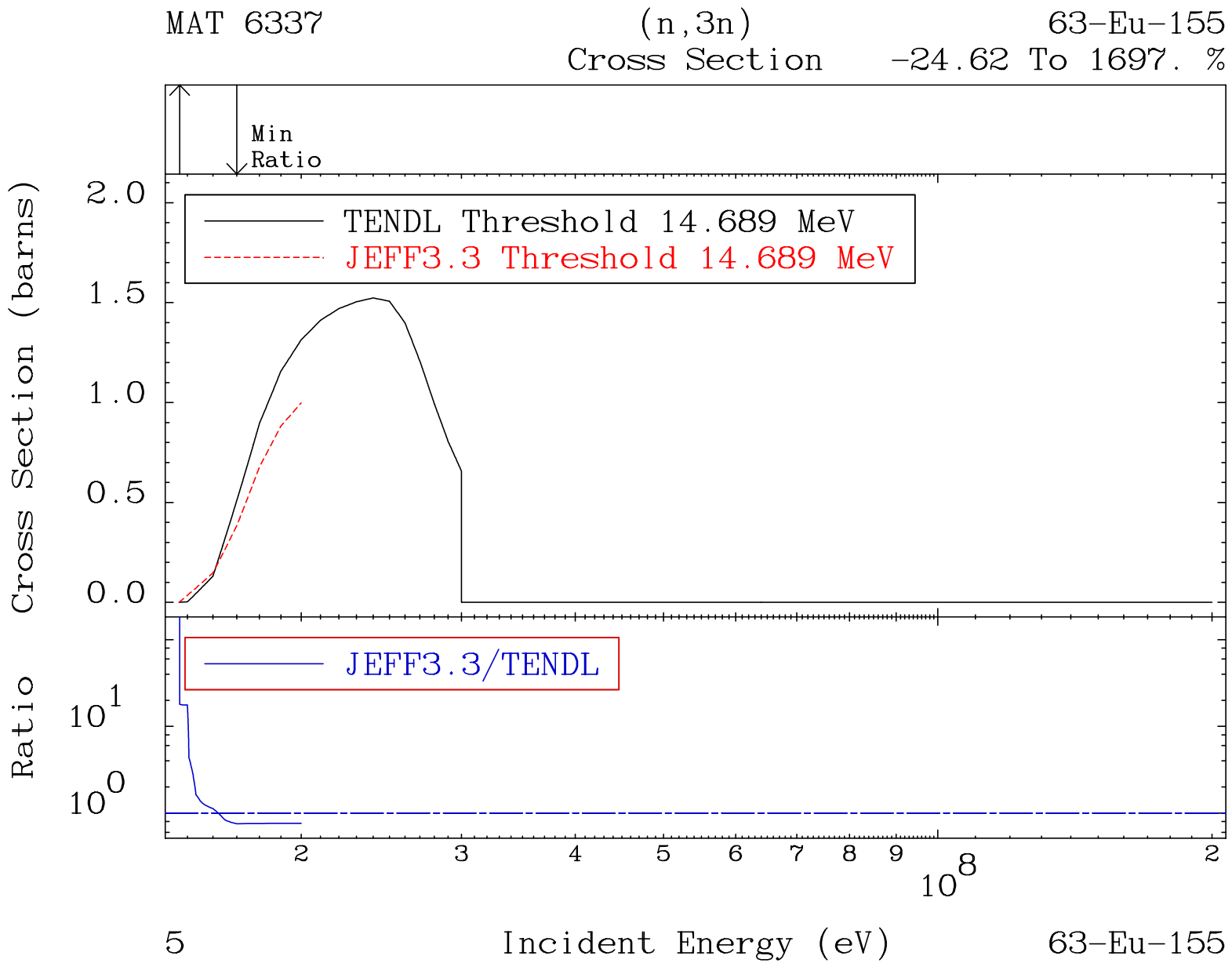
Press Mouse Button to Start

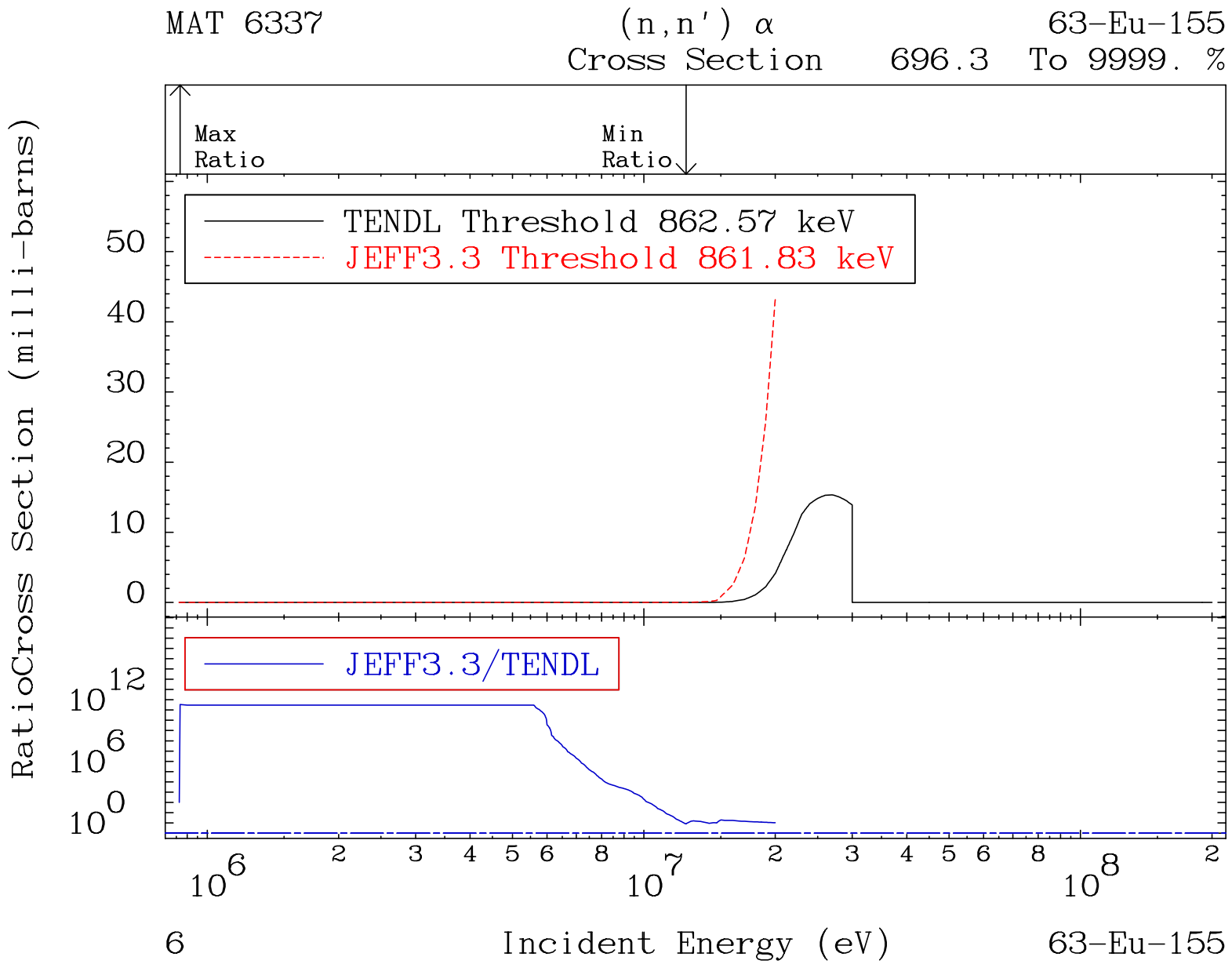

MAT 6337
Total
Cross Section
63-Eu-155
-99.29 To 2938. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
63-Eu-155

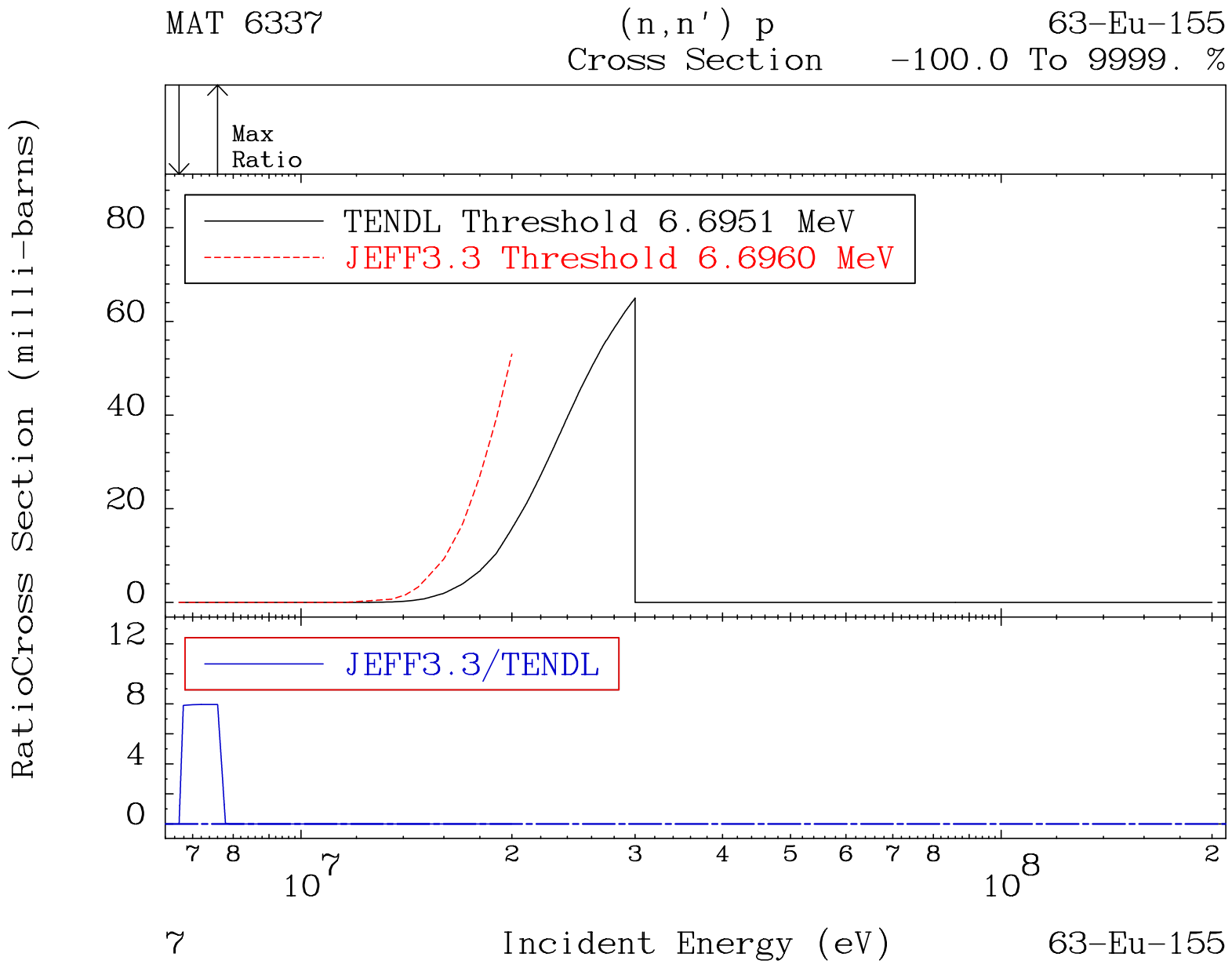

MAT 6337
Elastic
Cross Section
63-Eu-155
-99.75 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
63-Eu-155

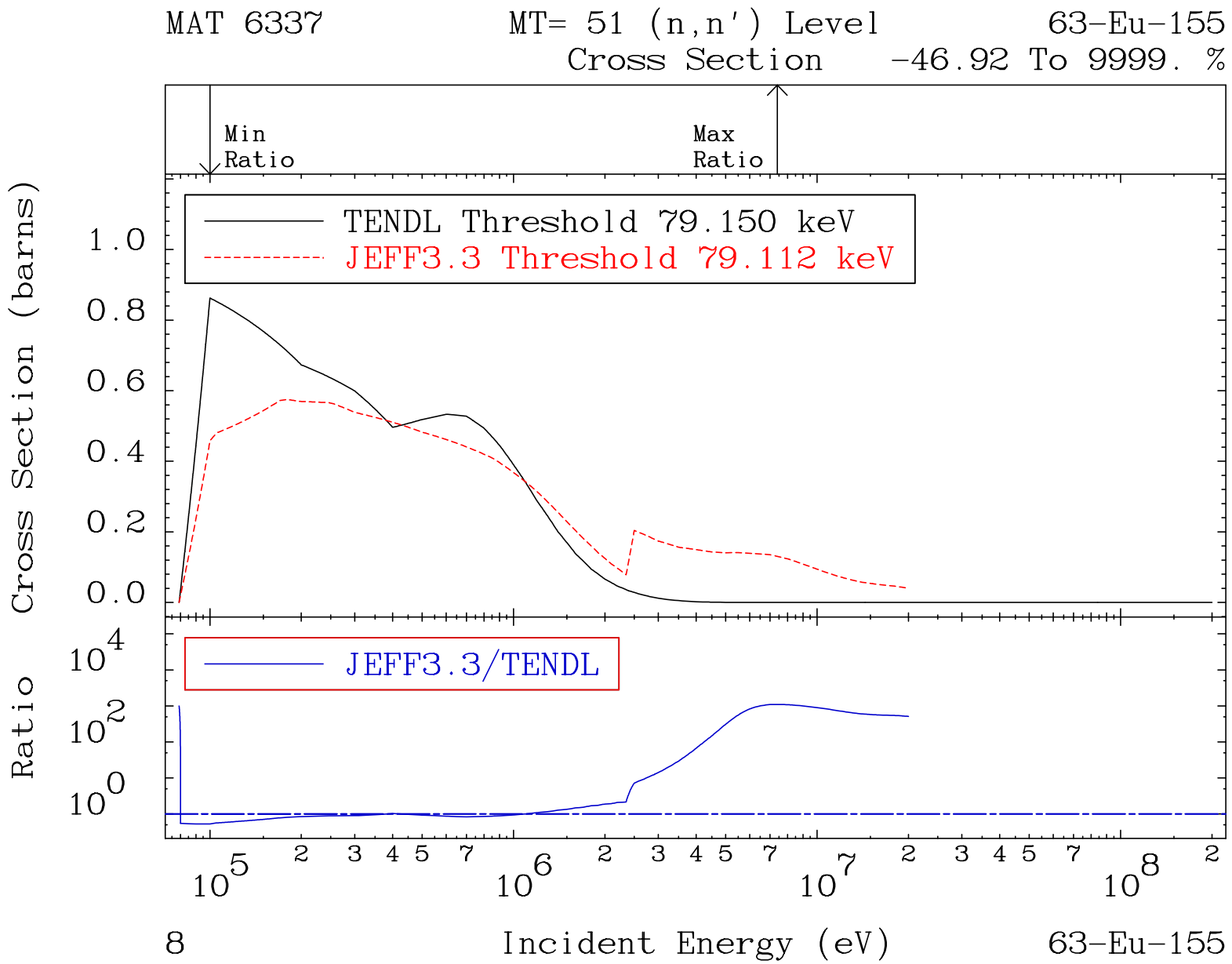

MAT 6337
Inelastic
Cross Section
63-Eu-155
-46.92 To 291.4 %
Min
Ratio
Max
Ratio
TENDL Threshold 79.150 keV
JEFF3.3 Threshold 79.112 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63-Eu-155
3

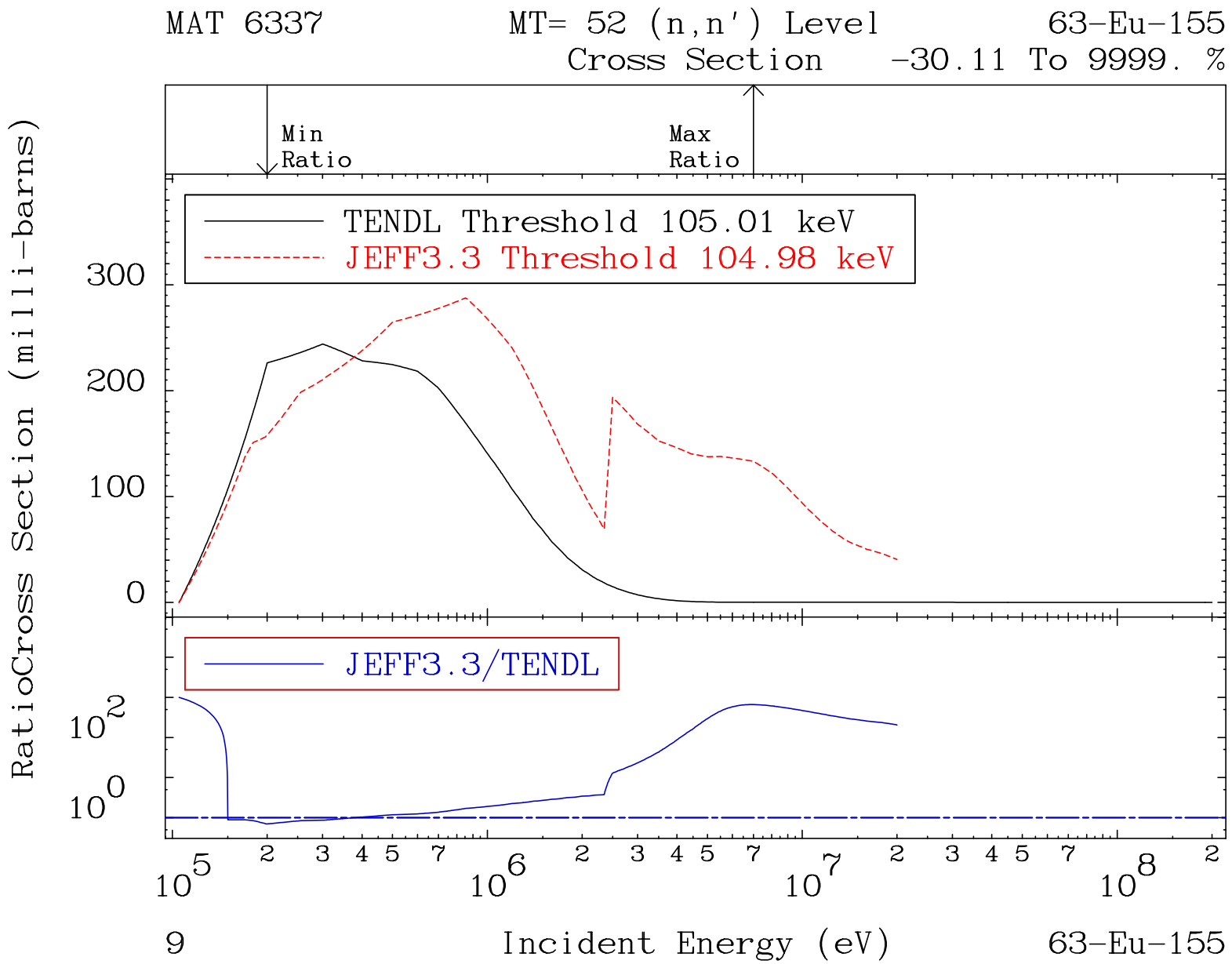

MAT 6337
(n,2n)
Cross Section
63-Eu-155
-100.0 To -2.779%
Max
Ratio
TENDL Threshold 8.2044 MeV
JEFF3.3 Threshold 8.2053 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
4
63-Eu-155

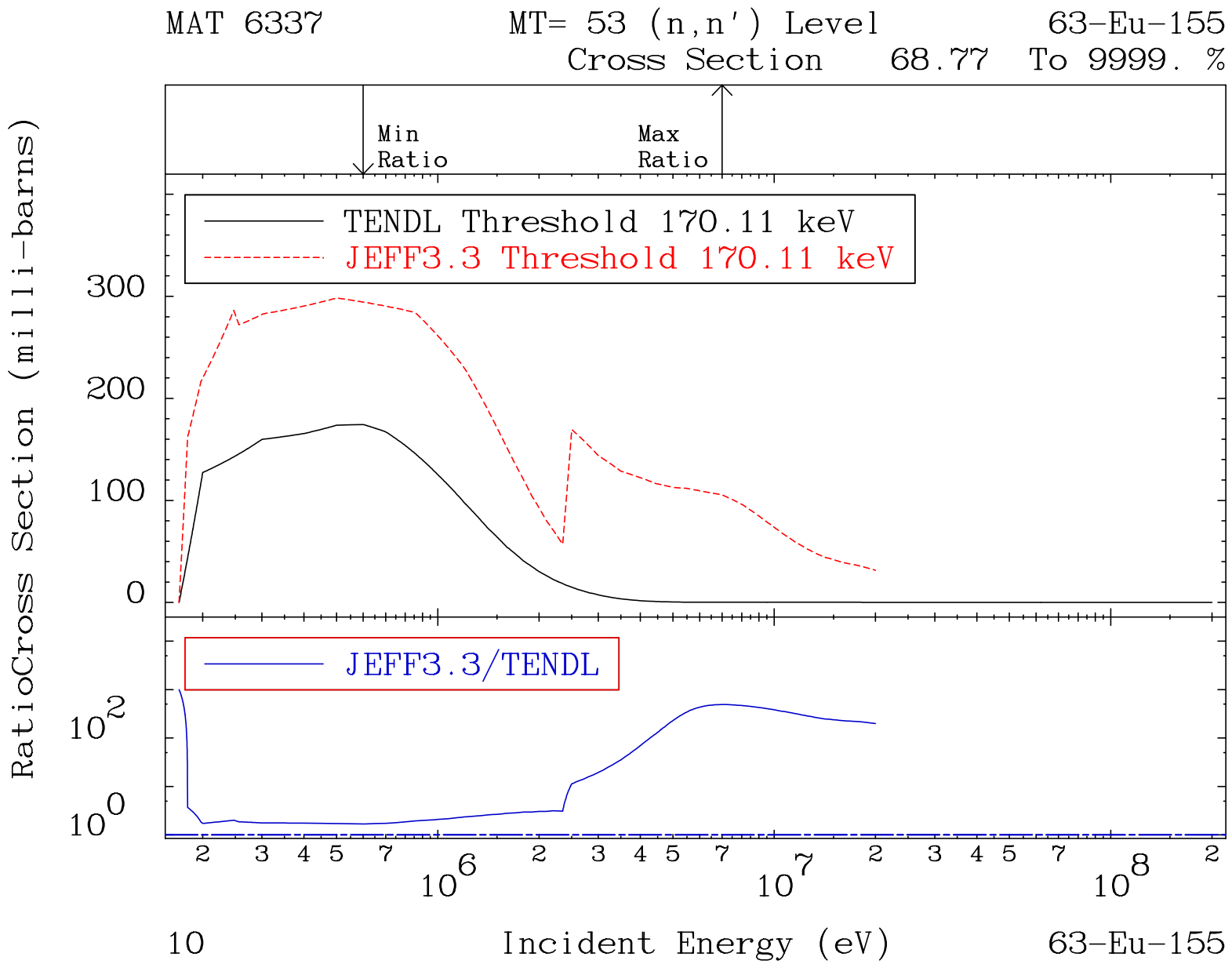

MAT 6337
(n,3n)
63-Eu-155
Cross Section
-24.62 To 1697. %
Min
Ratio
2.0
1.5
1.0
0.5
0.0
TENDL Threshold 14.689 MeV
JEFF3.3 Threshold 14.689 MeV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
63-Eu-155

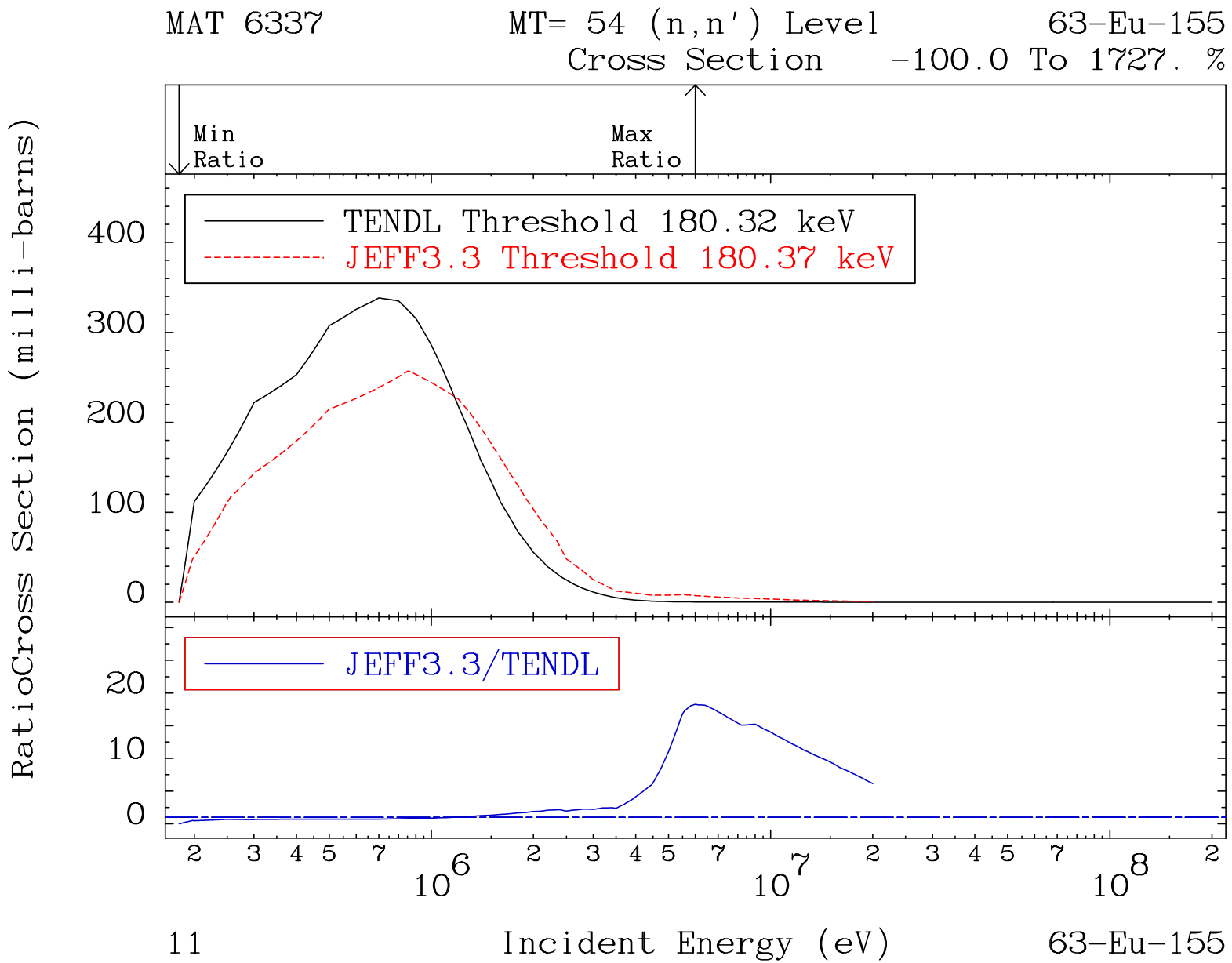

MAT 6337
(n,n') α
Cross Section
63-Eu-155
696.3 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 862.57 keV
JEFF3.3 Threshold 861.83 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
10^12
10^6
10^0
10^6
10^7
10^8
2
3
4
5
6
8
Incident Energy (eV)
6
63-Eu-155

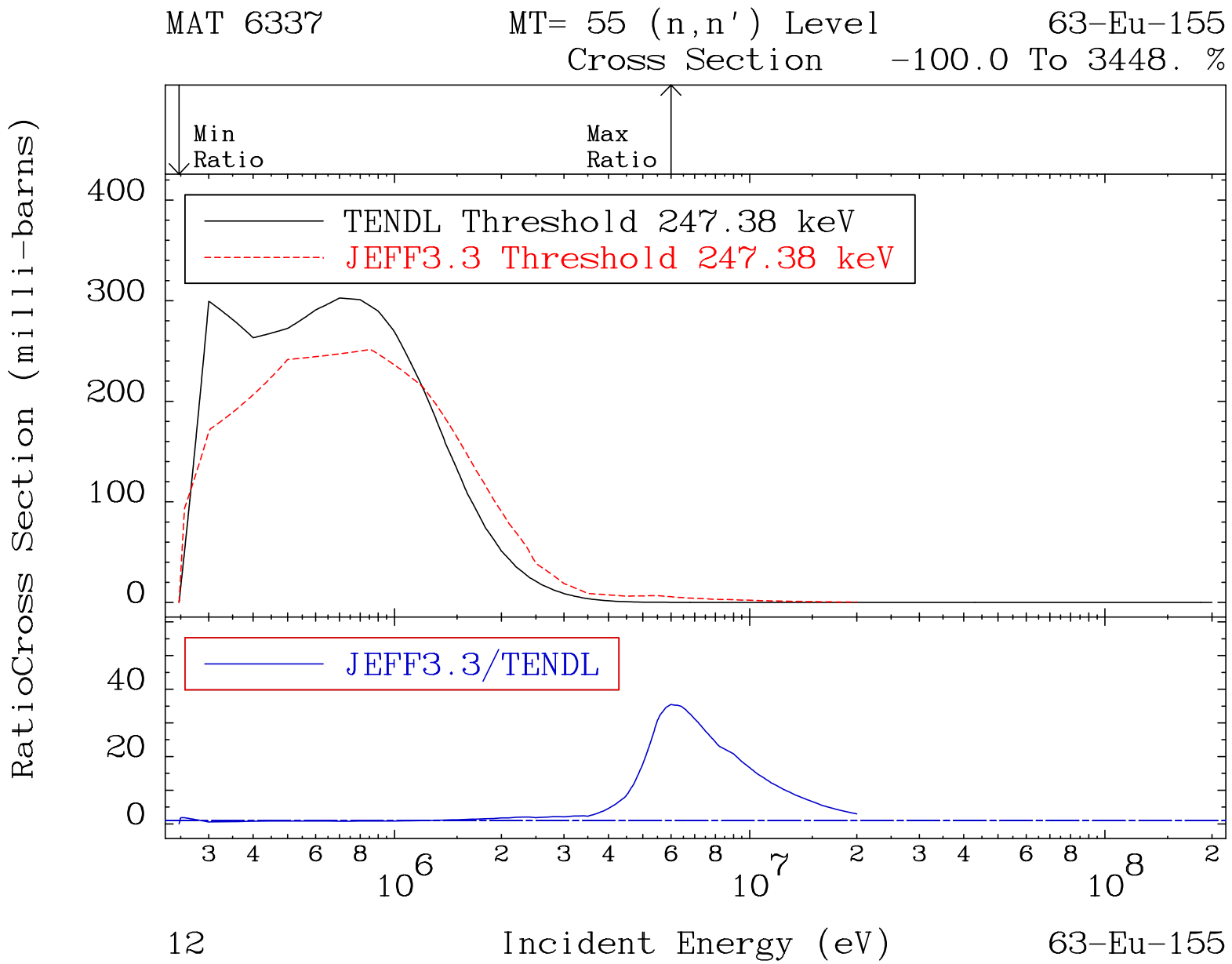

MAT 6337
(n,n') p
Cross Section
63-Eu-155
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.6951 MeV
JEFF3.3 Threshold 6.6960 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
12
8
4
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
7
Incident Energy (eV)
63-Eu-155

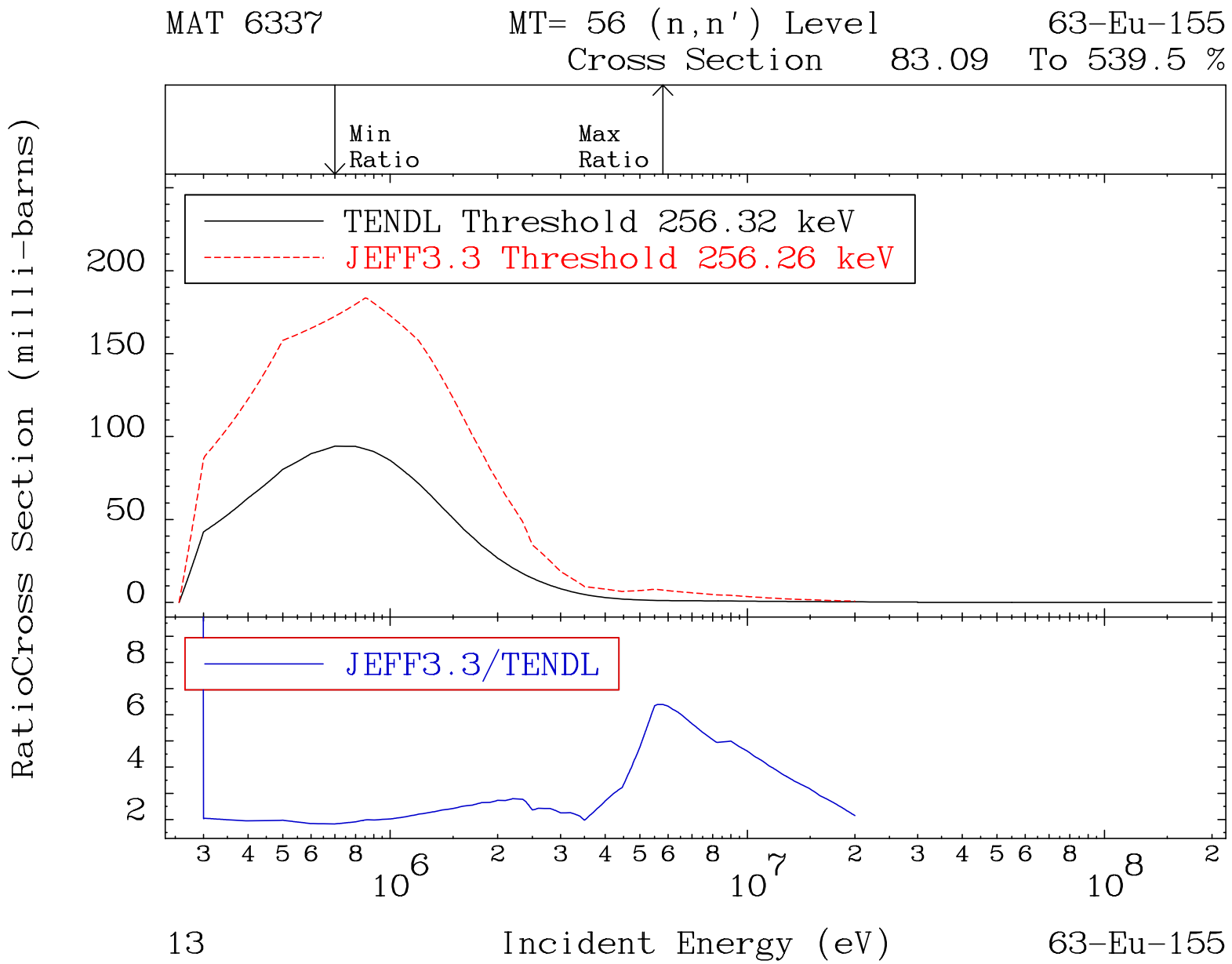

MAT 6337
MT= 51 (n,n') Level
63-Eu-155
Cross Section -46.92 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 79.150 keV
JEFF3.3 Threshold 79.112 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
8
63-Eu-155

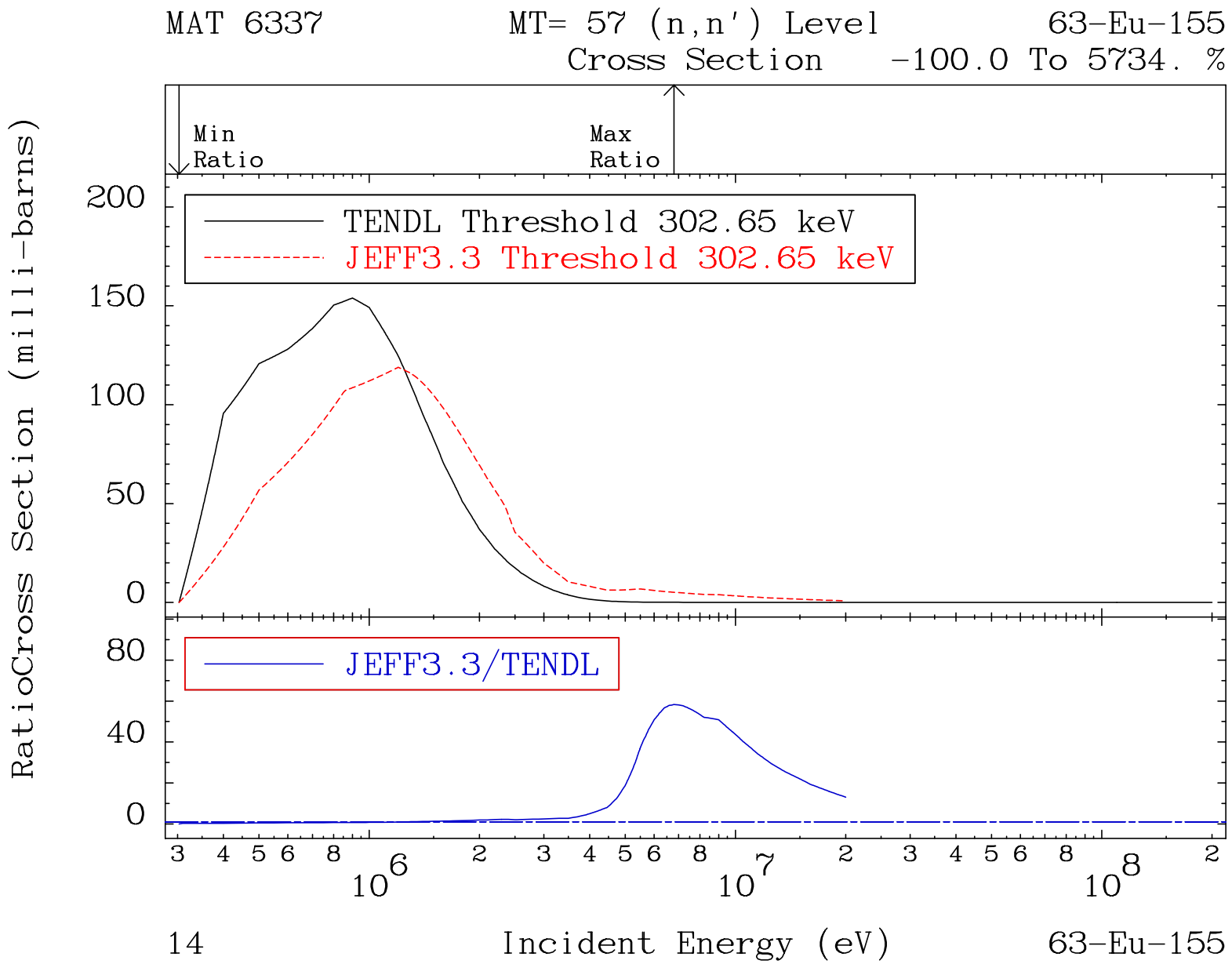

MAT 6337
MT= 52 (n,n') Level
63-Eu-155
Cross Section -30.11 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 105.01 keV
JEFF3.3 Threshold 104.98 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
200
100
0
10^2
10^0
10^5
10^6
10^7
10^8
Incident Energy (eV)
9
63-Eu-155

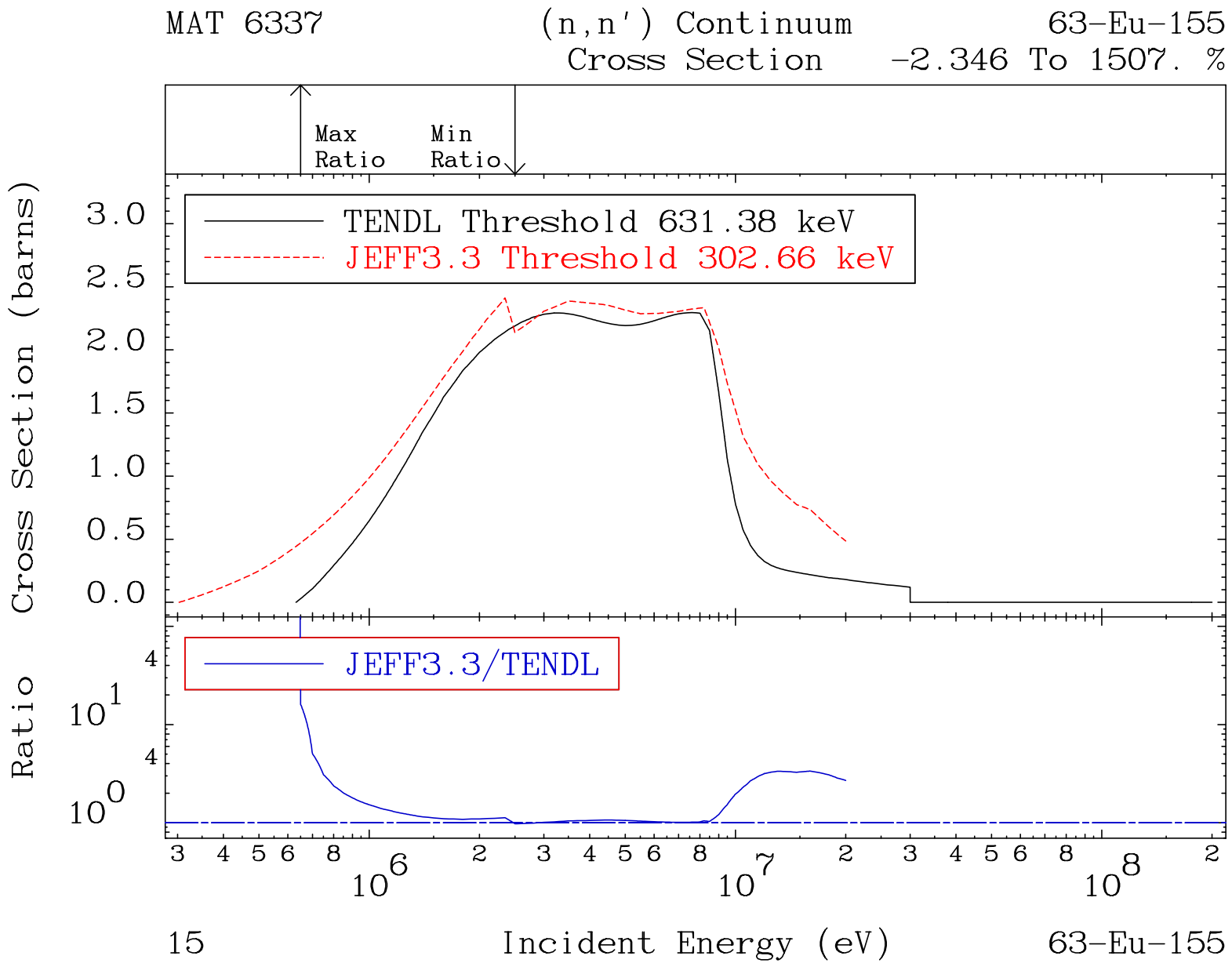

MAT 6337
MT= 53 (n,n') Level
63-Eu-155
Cross Section 68.77 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 170.11 keV
JEFF3.3 Threshold 170.11 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
300
200
100
0
10^2
10^0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
10
Incident Energy (eV)
63-Eu-155

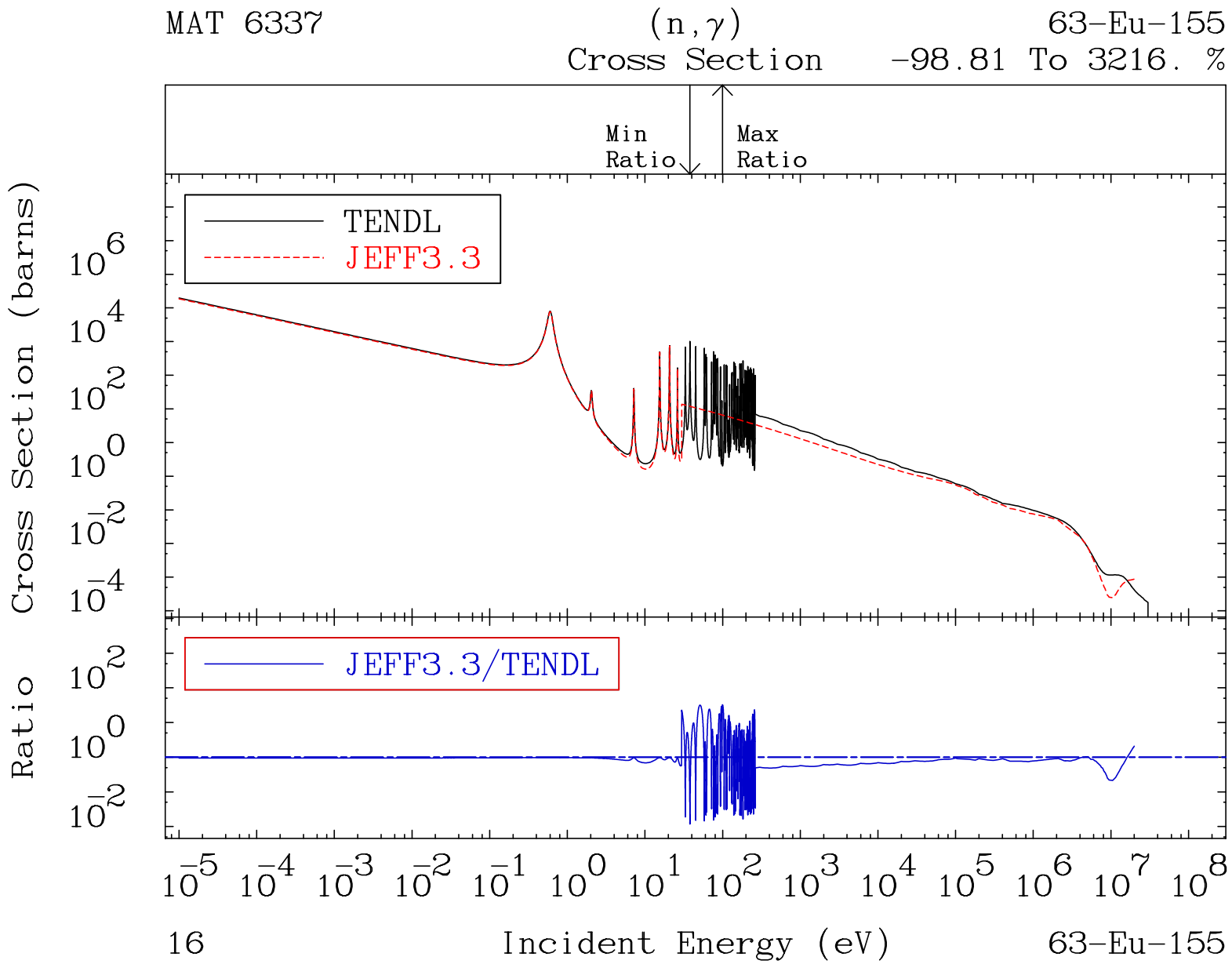

MAT 6337
MT= 54 (n,n') Level
63-Eu-155
Cross Section -100.0 To 1727. %
Min Ratio
Max Ratio
TENDL Threshold 180.32 keV
JEFF3.3 Threshold 180.37 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
20
10
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
11
Incident Energy (eV)
63-Eu-155

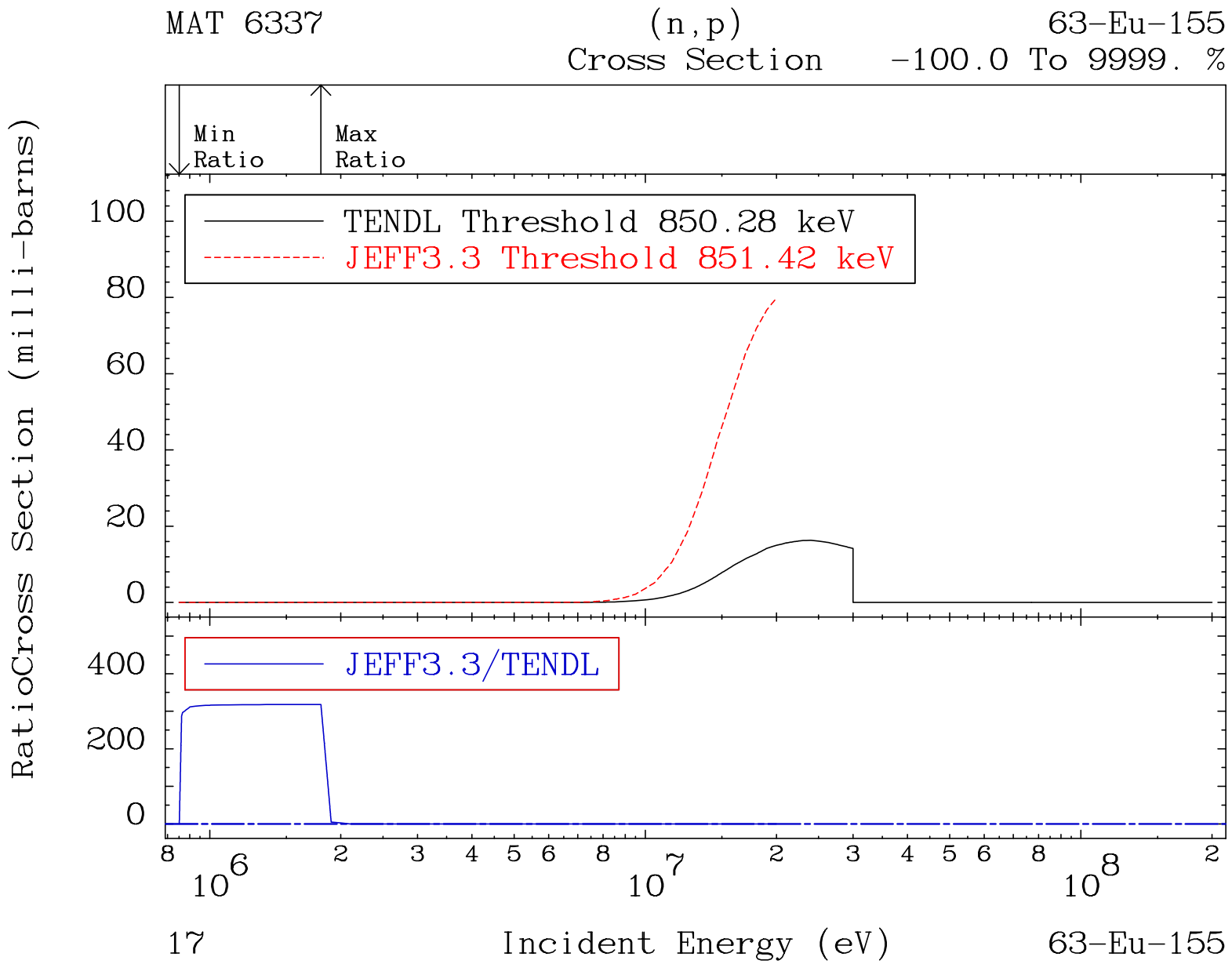

MAT 6337
MT= 55 (n,n') Level
63-Eu-155
Cross Section -100.0 To 3448. %
Min Ratio
Max Ratio
TENDL Threshold 247.38 keV
JEFF3.3 Threshold 247.38 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
40
20
0
3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
12
Incident Energy (eV)
63-Eu-155

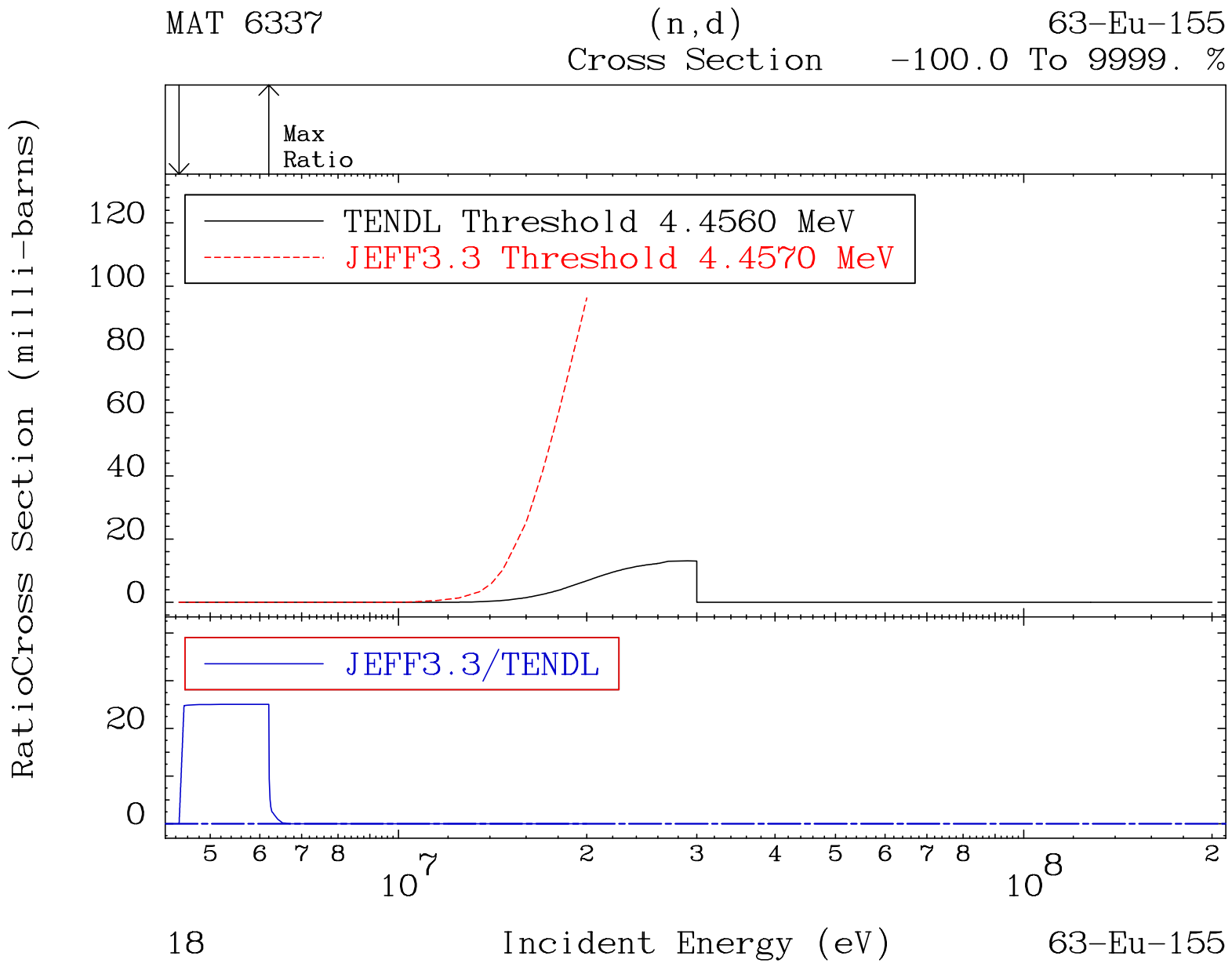

MAT 6337
MT= 56 (n,n') Level
63-Eu-155
Cross Section 83.09 To 539.5 %
Min Ratio
Max Ratio
TENDL Threshold 256.32 keV
JEFF3.3 Threshold 256.26 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
8
6
4
2
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
13
Incident Energy (eV)
63-Eu-155

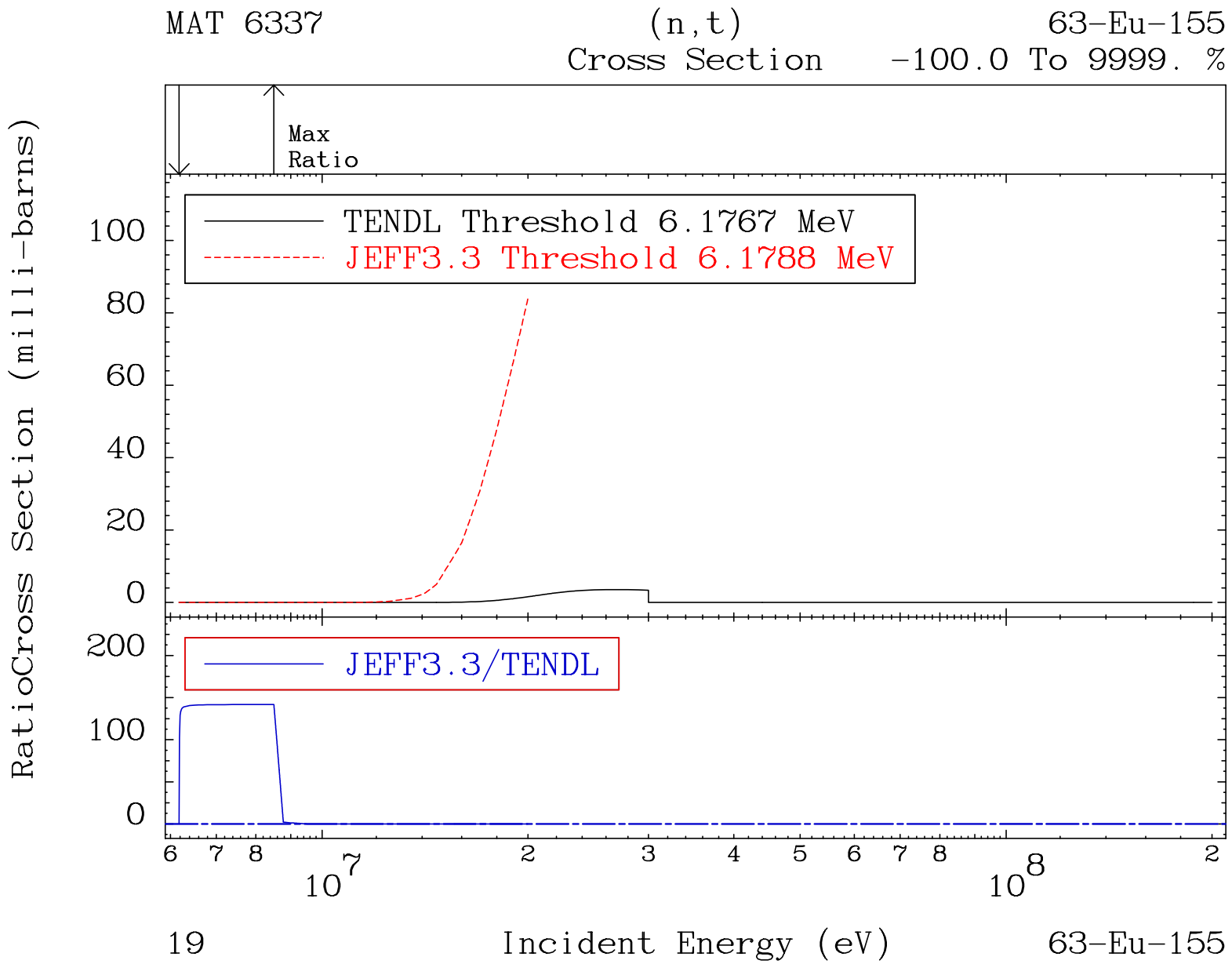

MAT 6337
MT= 57 (n,n') Level
63-Eu-155
Cross Section -100.0 To 5734. %
Min Ratio
Max Ratio
TENDL Threshold 302.65 keV
JEFF3.3 Threshold 302.65 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
80
40
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
14
Incident Energy (eV)
63-Eu-155

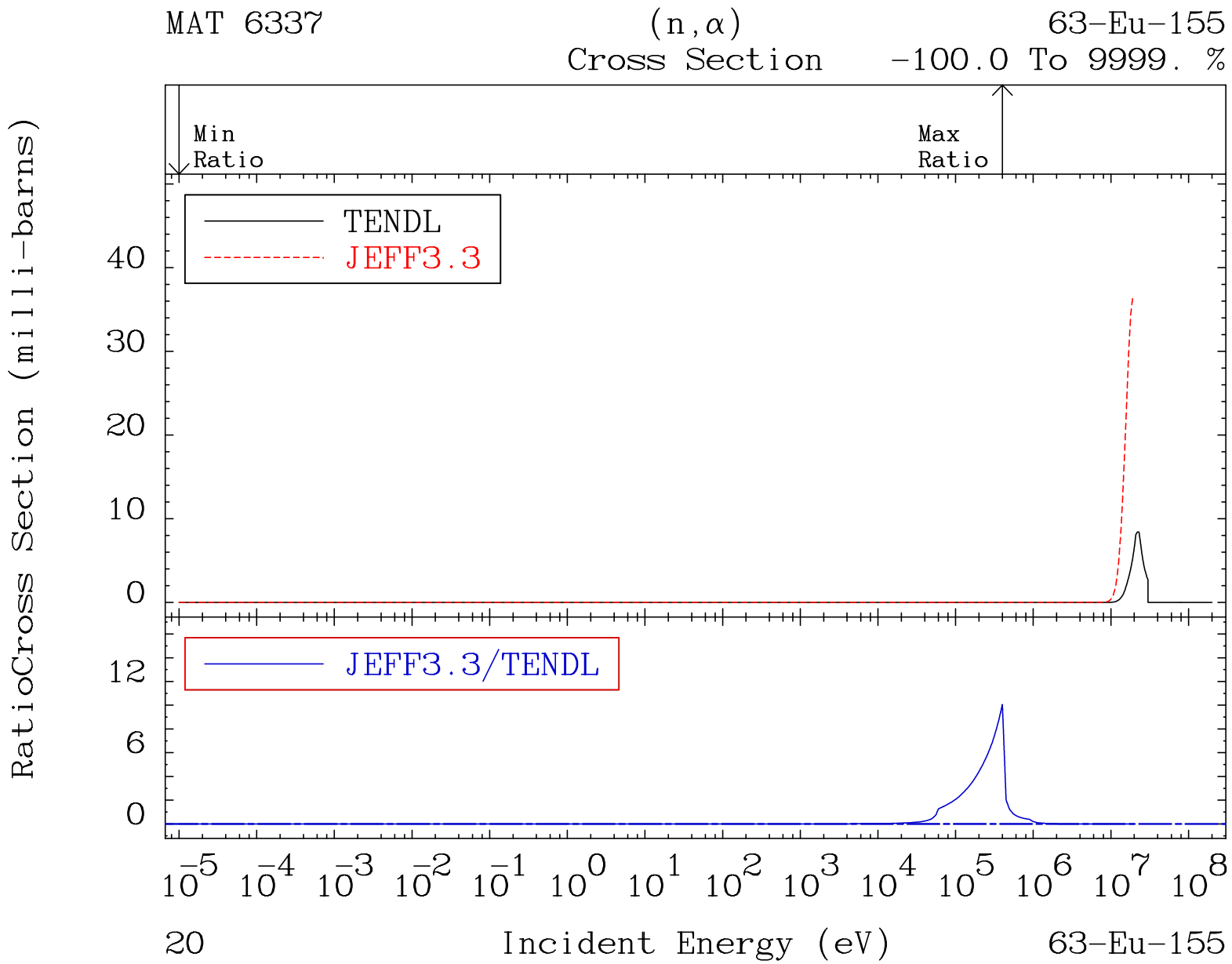

MAT 6337
(n,n') Continuum
Cross Section
63-Eu-155
-2.346 To 1507. %
Max Ratio
Min Ratio
TENDL Threshold 631.38 keV
JEFF3.3 Threshold 302.66 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
10^1
10^0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
15
63-Eu-155

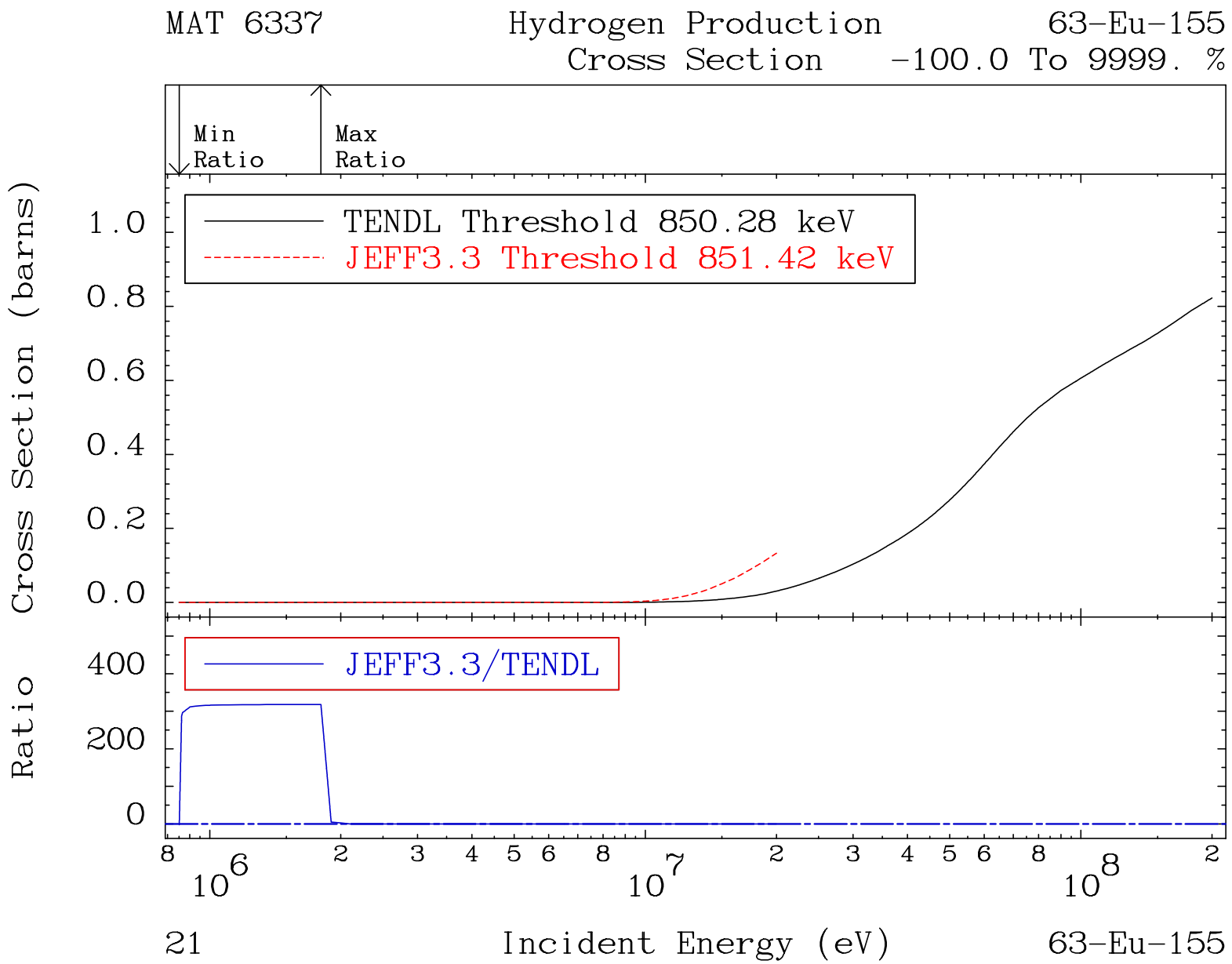

MAT 6337
(n,γ)
Cross Section
63-Eu-155
-98.81 To 3216. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
16
63-Eu-155

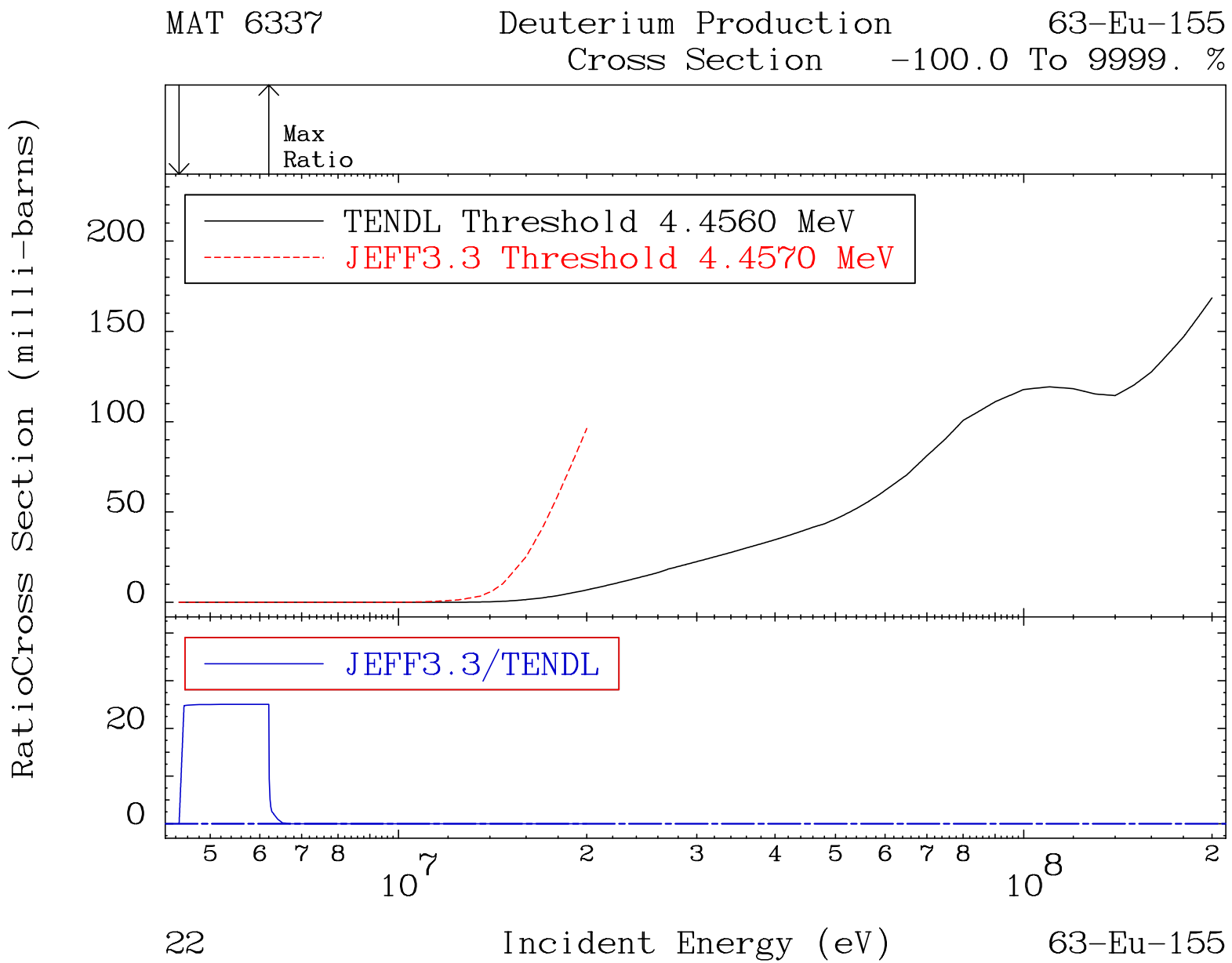

MAT 6337
(n,p)
63-Eu-155
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 850.28 keV
JEFF3.3 Threshold 851.42 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
400
200
0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
17
Incident Energy (eV)
63-Eu-155

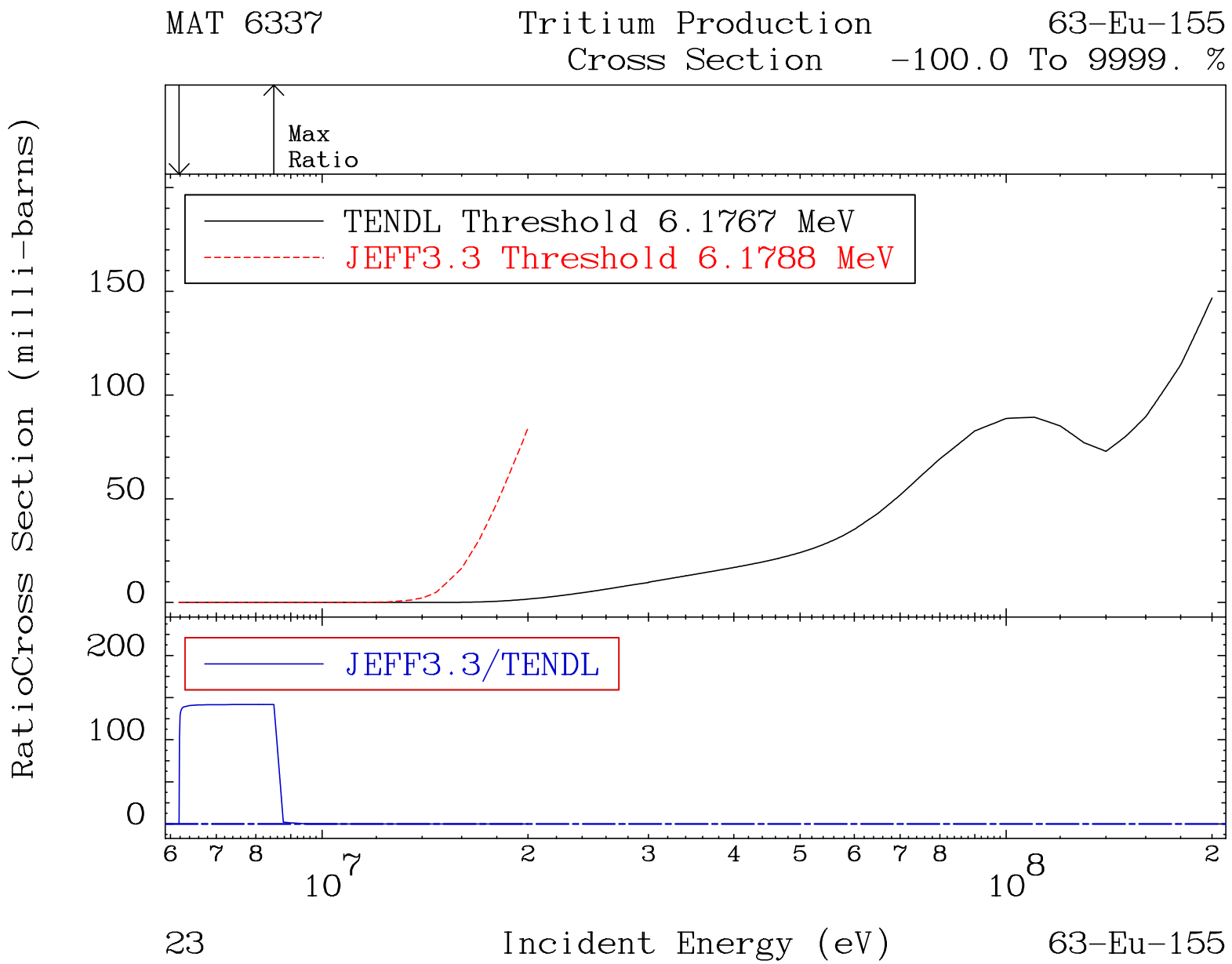

MAT 6337
(n,d)
63-Eu-155
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 4.4560 MeV
JEFF3.3 Threshold 4.4570 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
20
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
63-Eu-155

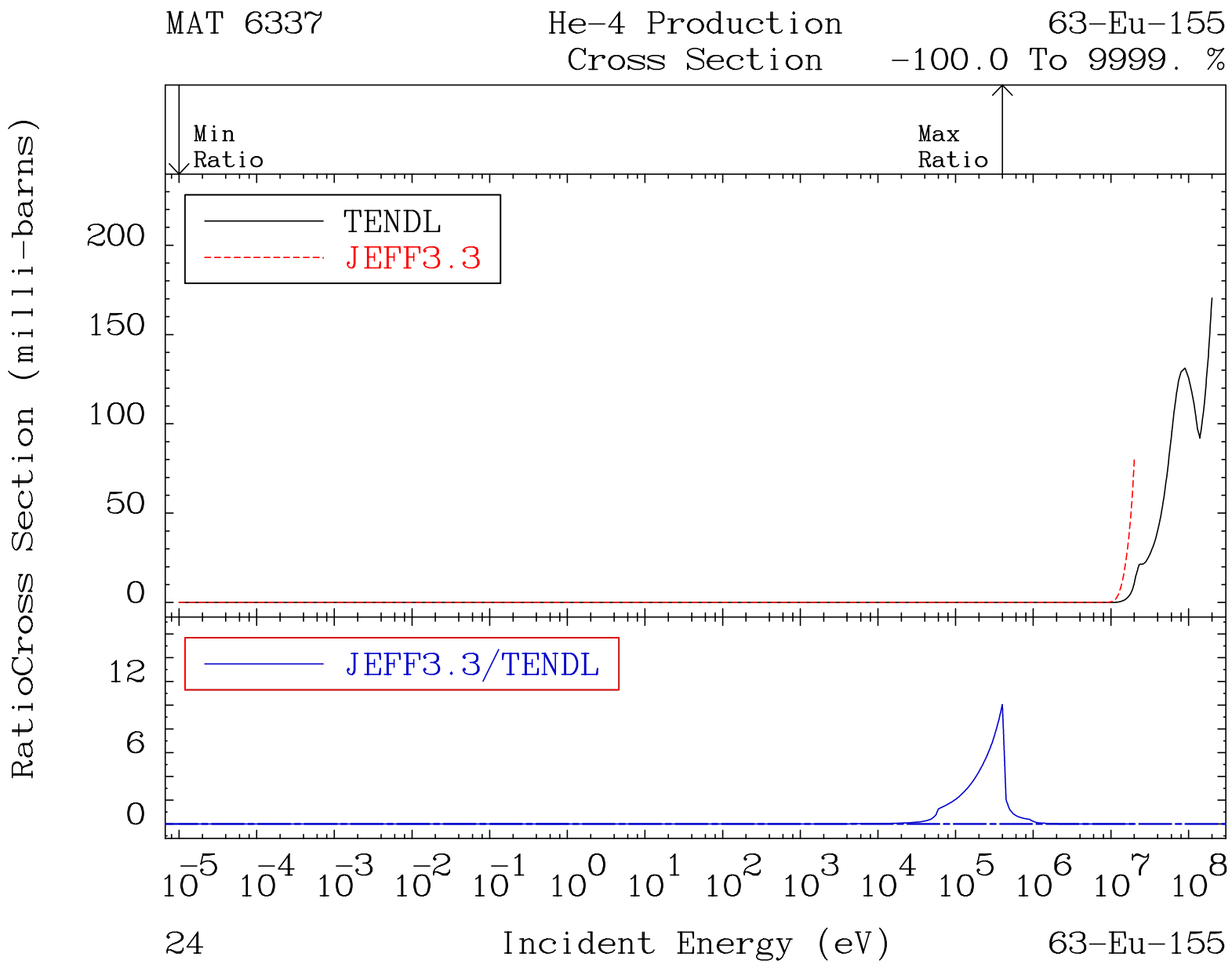

MAT 6337
(n,t)
63-Eu-155
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.1767 MeV
JEFF3.3 Threshold 6.1788 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
200
100
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
63-Eu-155

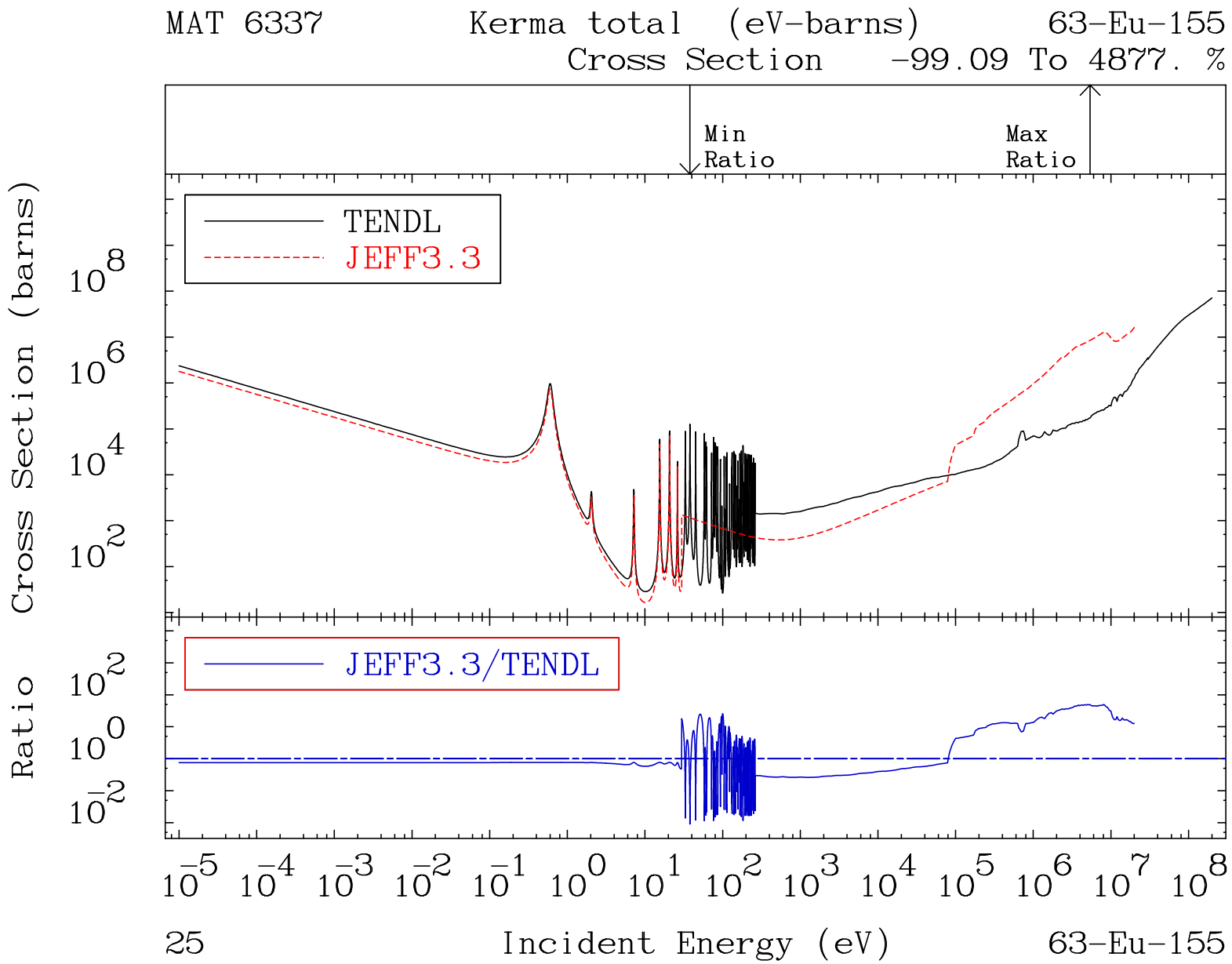

MAT 6337
(n,α)
Cross Section
63-Eu-155
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
12
6
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
20
Incident Energy (eV)
63-Eu-155

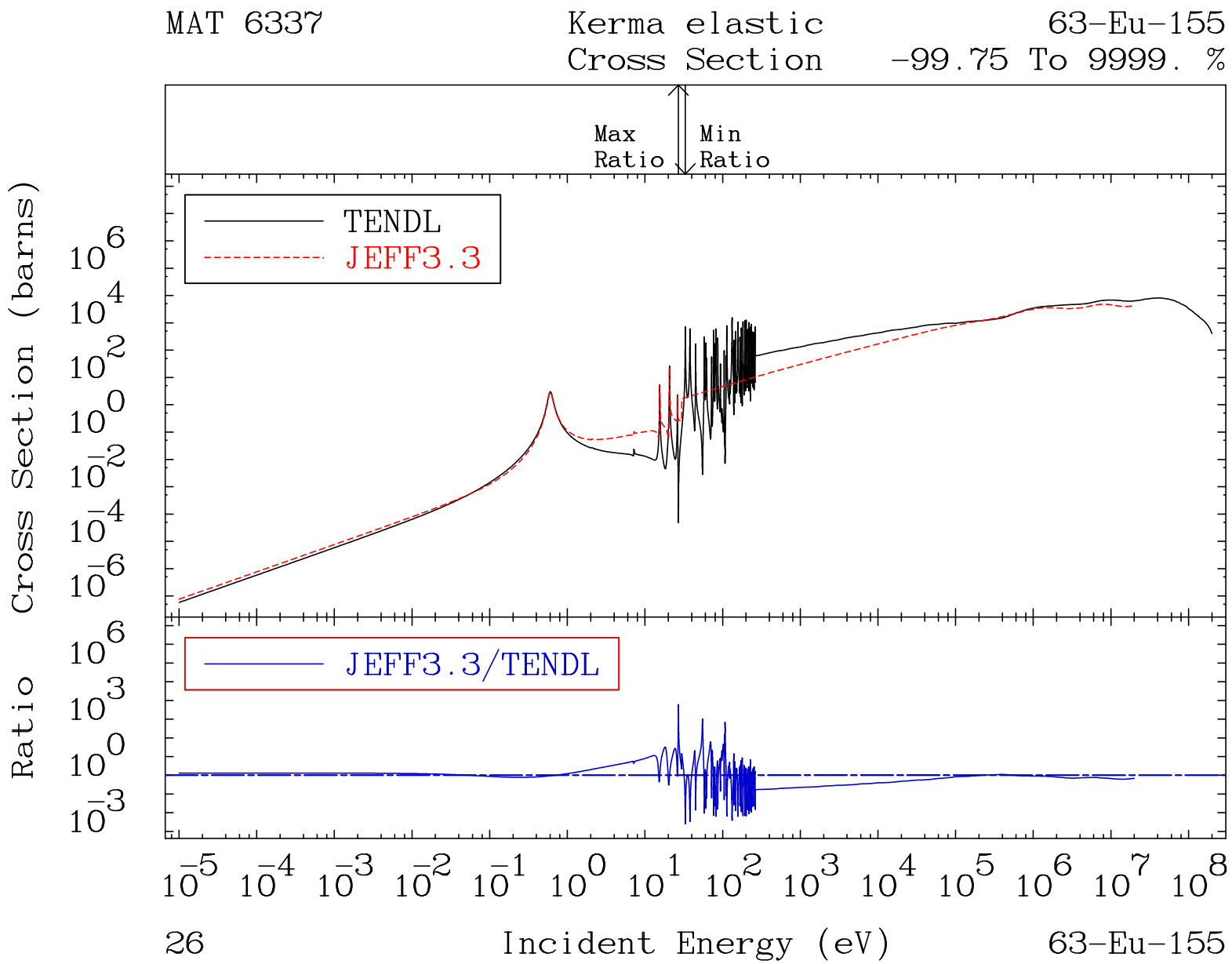

MAT 6337
Hydrogen Production
63-Eu-155
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 850.28 keV
JEFF3.3 Threshold 851.42 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
400
200
0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
21
Incident Energy (eV)
63-Eu-155

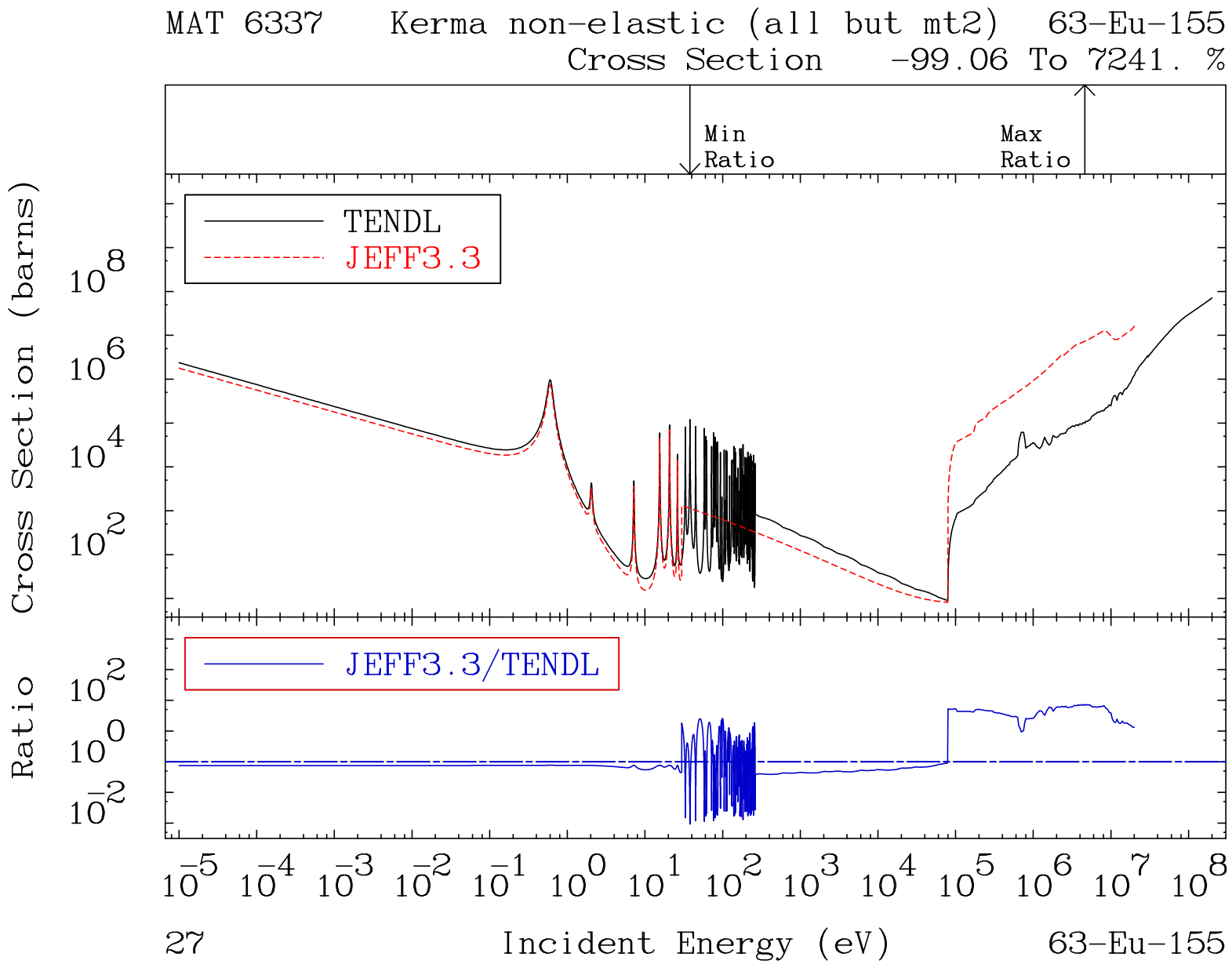

MAT 6337
Deuterium Production
63-Eu-155
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 4.4560 MeV
JEFF3.3 Threshold 4.4570 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
20
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
63-Eu-155

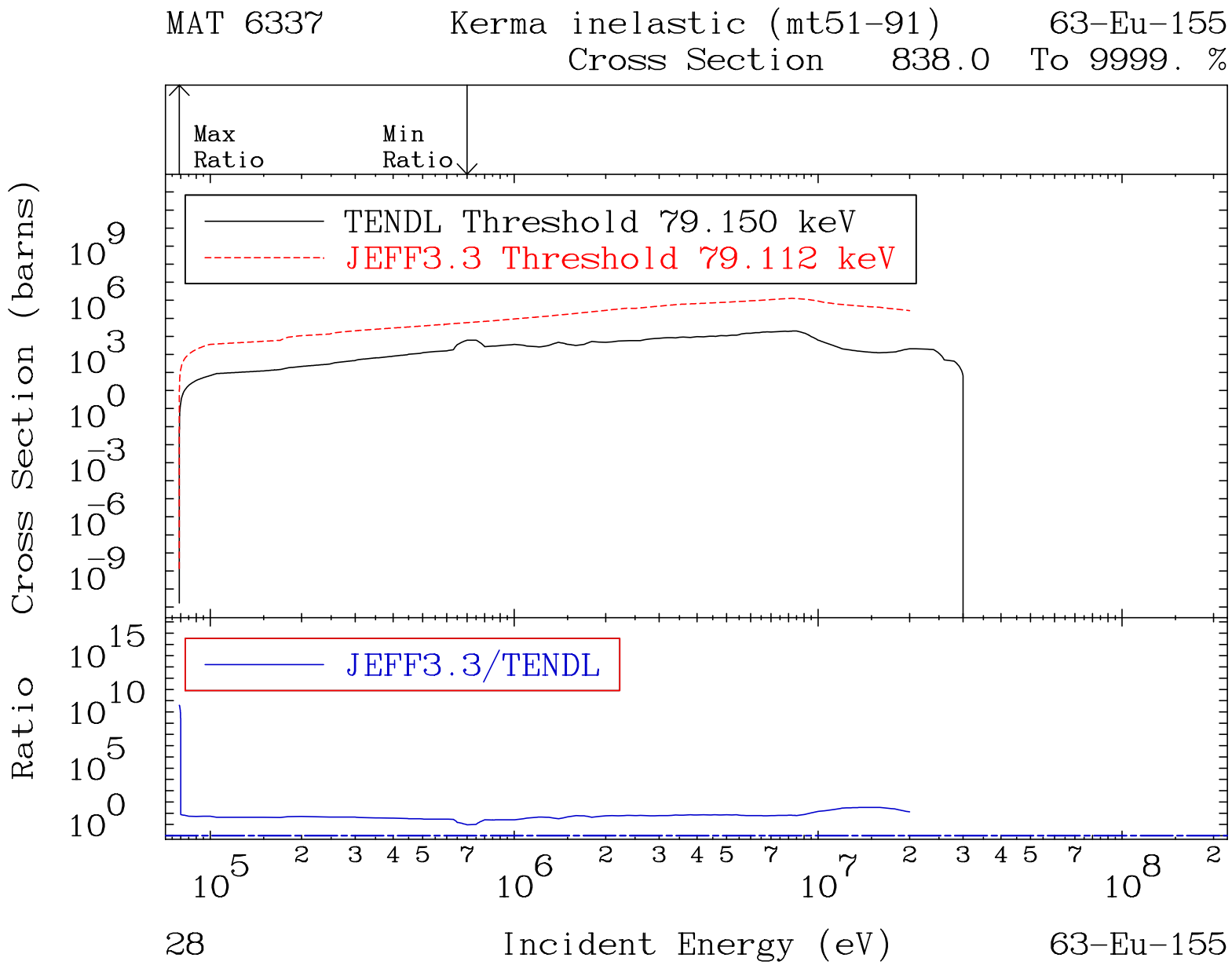

MAT 6337
Tritium Production
63-Eu-155
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.1767 MeV
JEFF3.3 Threshold 6.1788 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
150
100
50
0
200
100
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
63-Eu-155

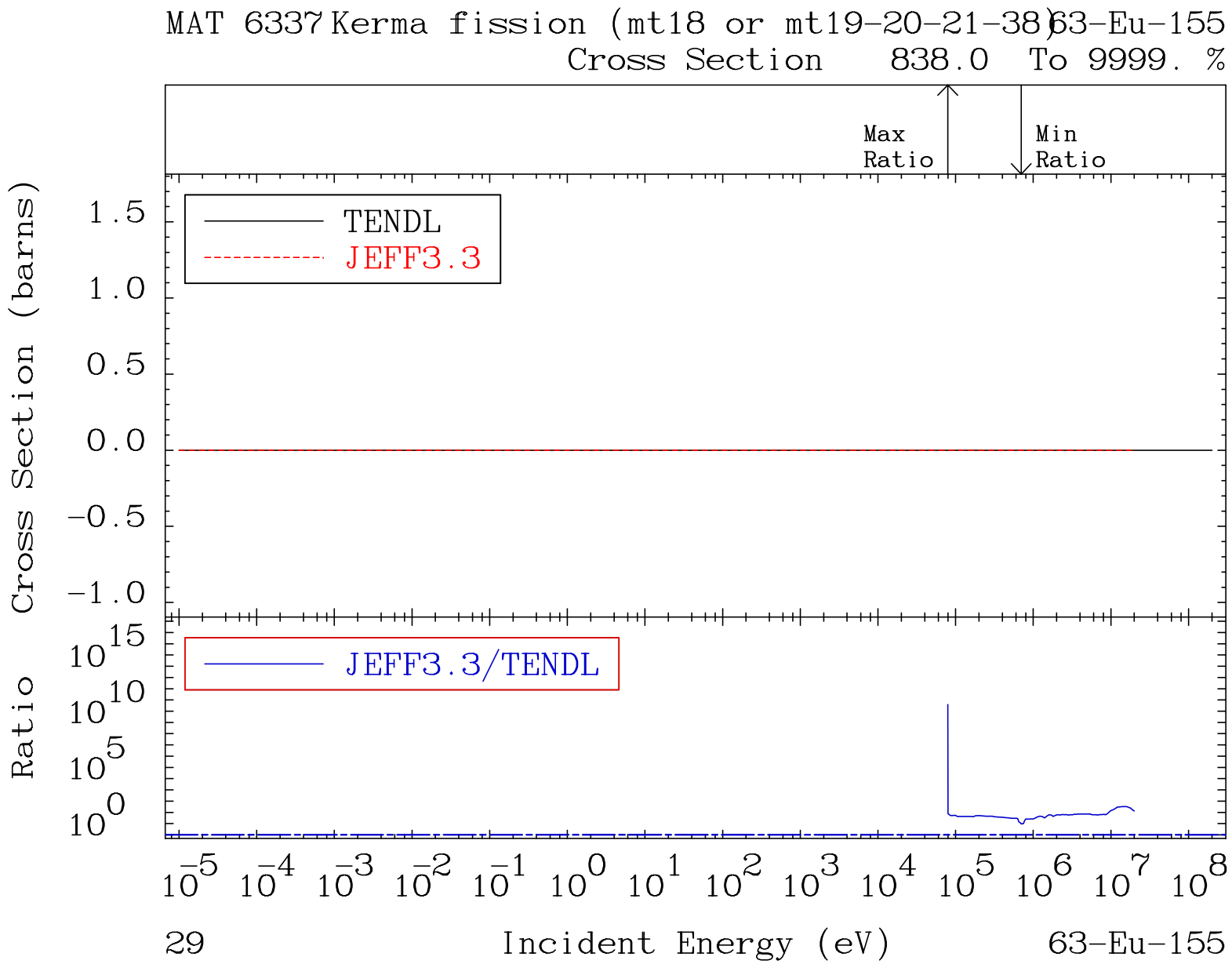

MAT 6337
He-4 Production
Cross Section
63-Eu-155
-100.0 To 9999. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
12
6
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
24
Incident Energy (eV)
63-Eu-155

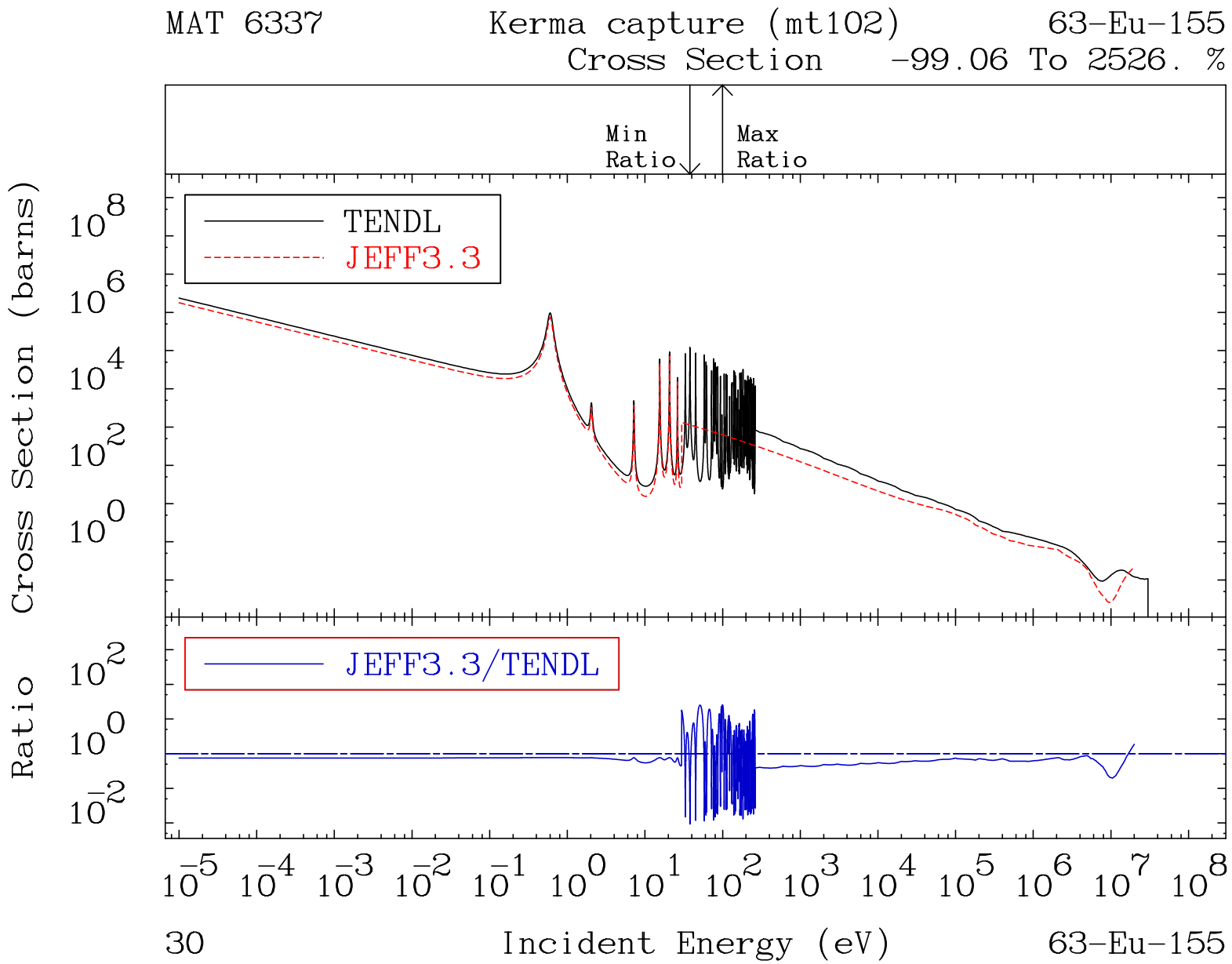

MAT 6337
Kerma total (eV-barns)
63-Eu-155
Cross Section -99.09 To 4877. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
25
63-Eu-155

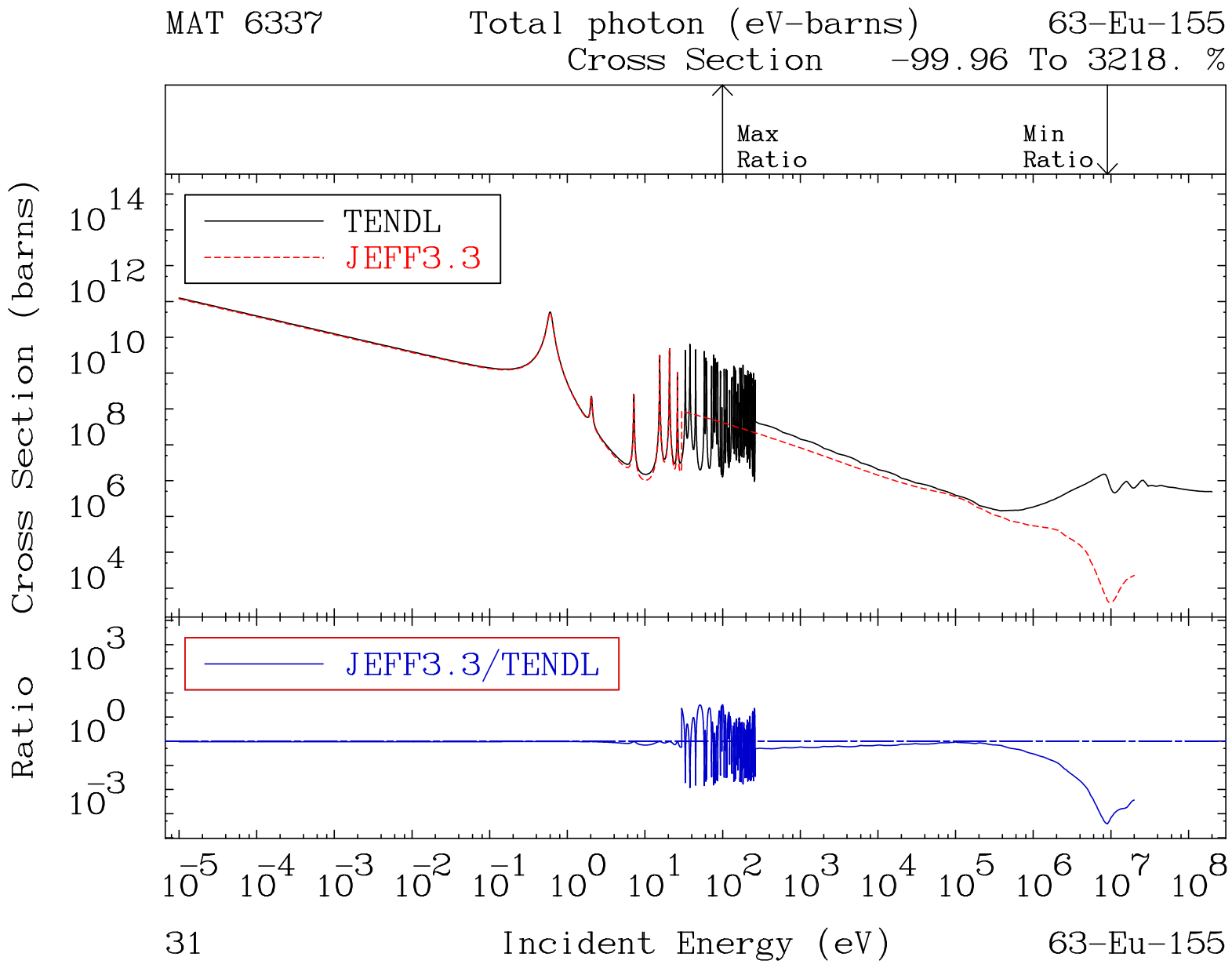

MAT 6337
Kerma elastic
Cross Section
63-Eu-155
-99.75 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
26
63-Eu-155

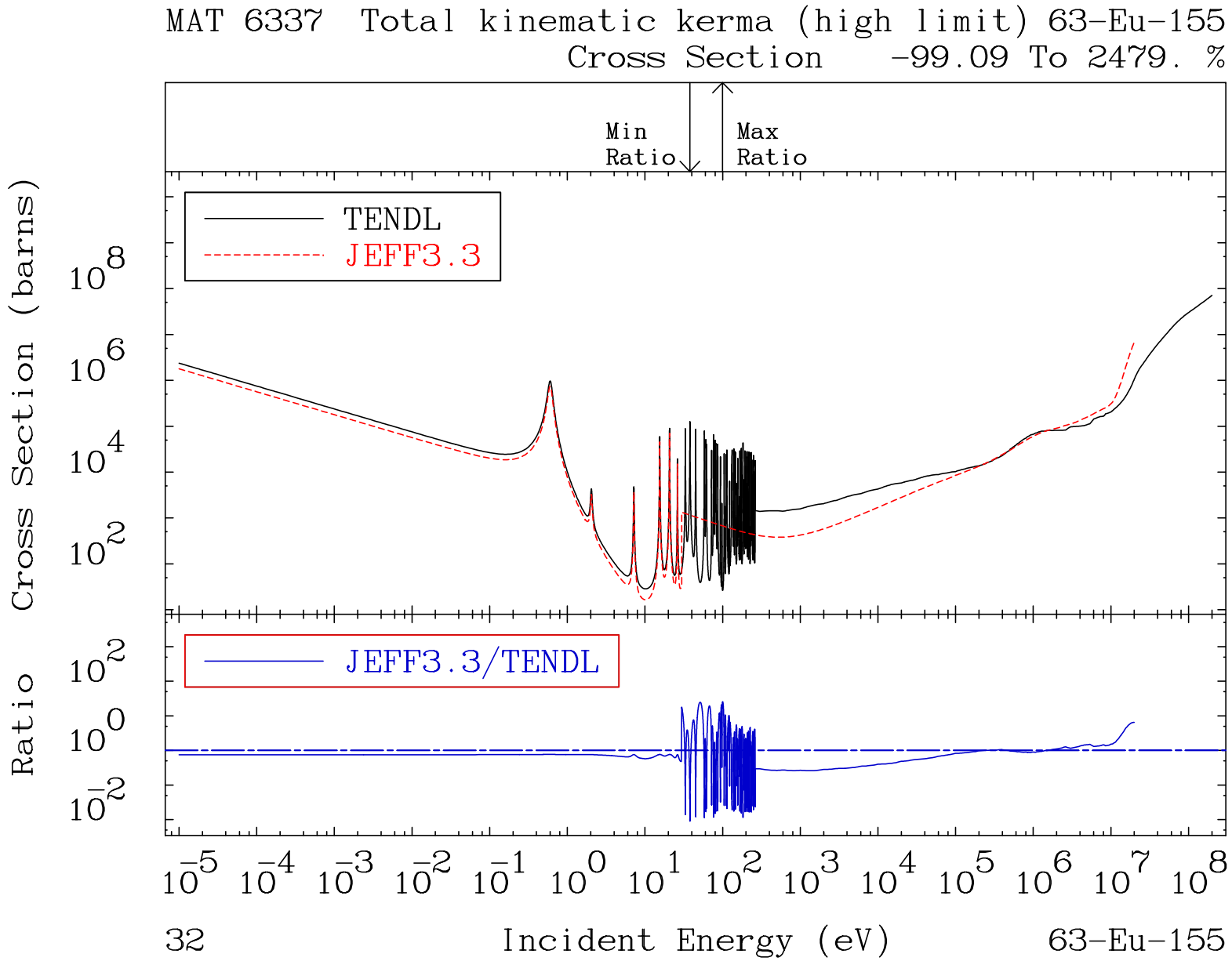

MAT 6337 Kerma non-elastic (all but mt2) 63-Eu-155
Cross Section -99.06 To 7241. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
27
63-Eu-155

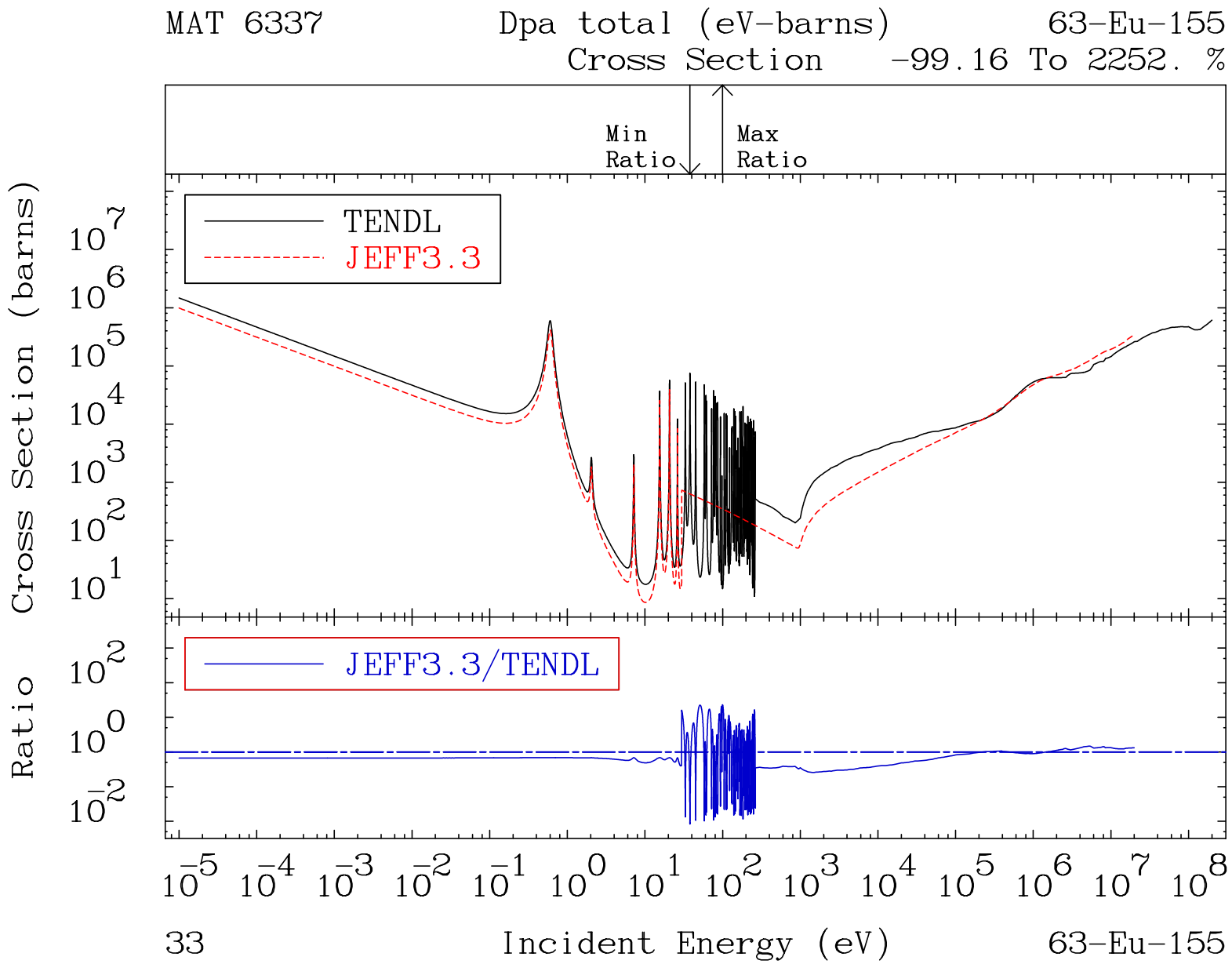

MAT 6337
Kerma inelastic (mt51-91)
63-Eu-155
Cross Section 838.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 79.150 keV
JEFF3.3 Threshold 79.112 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
28
63-Eu-155

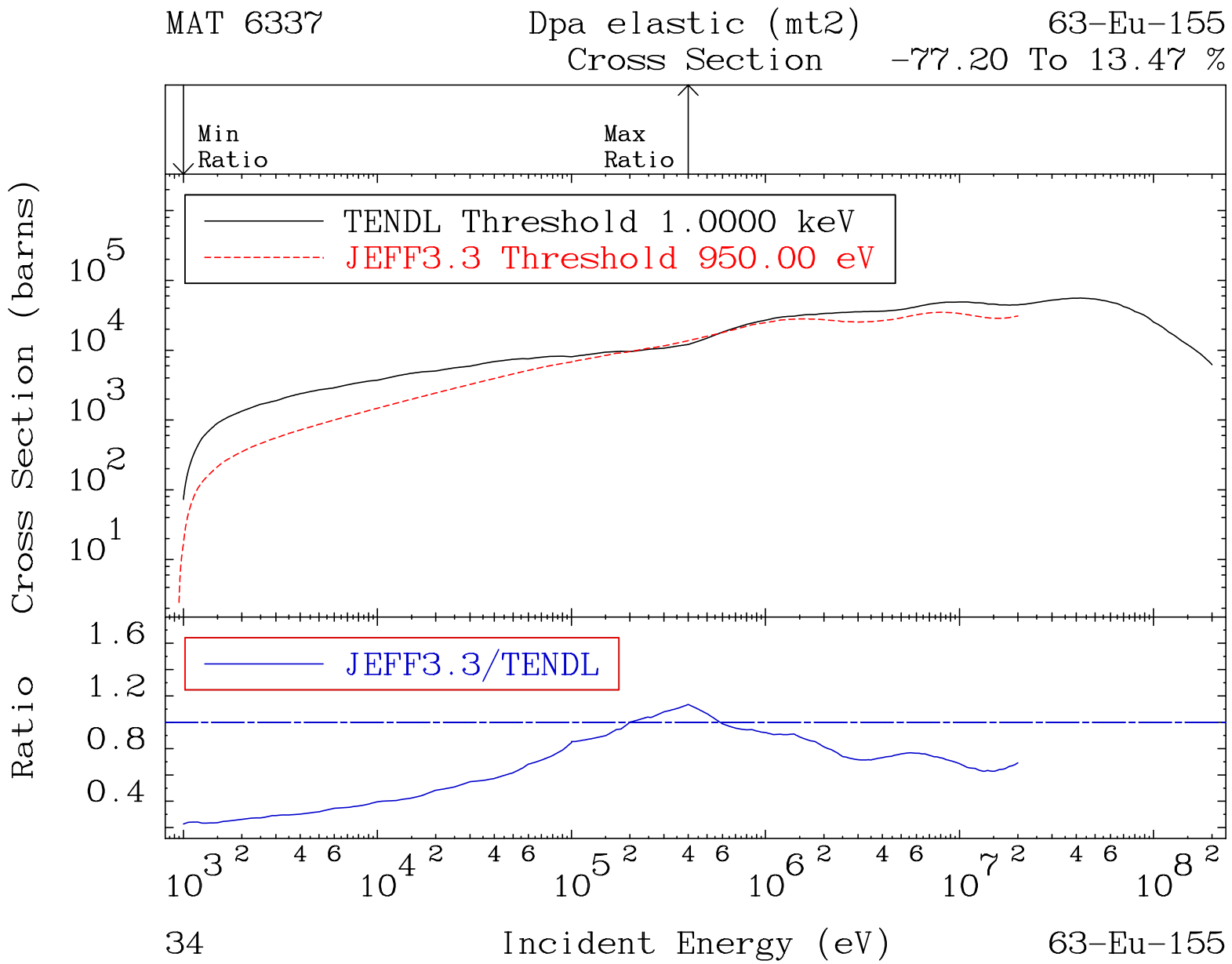

MAT 6337 Kerma fission (mt18 or mt19-20-21-38) 63-Eu-155
Cross Section 838.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{15}
10^{10}
10^{5}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
29
Incident Energy (eV)
63-Eu-155

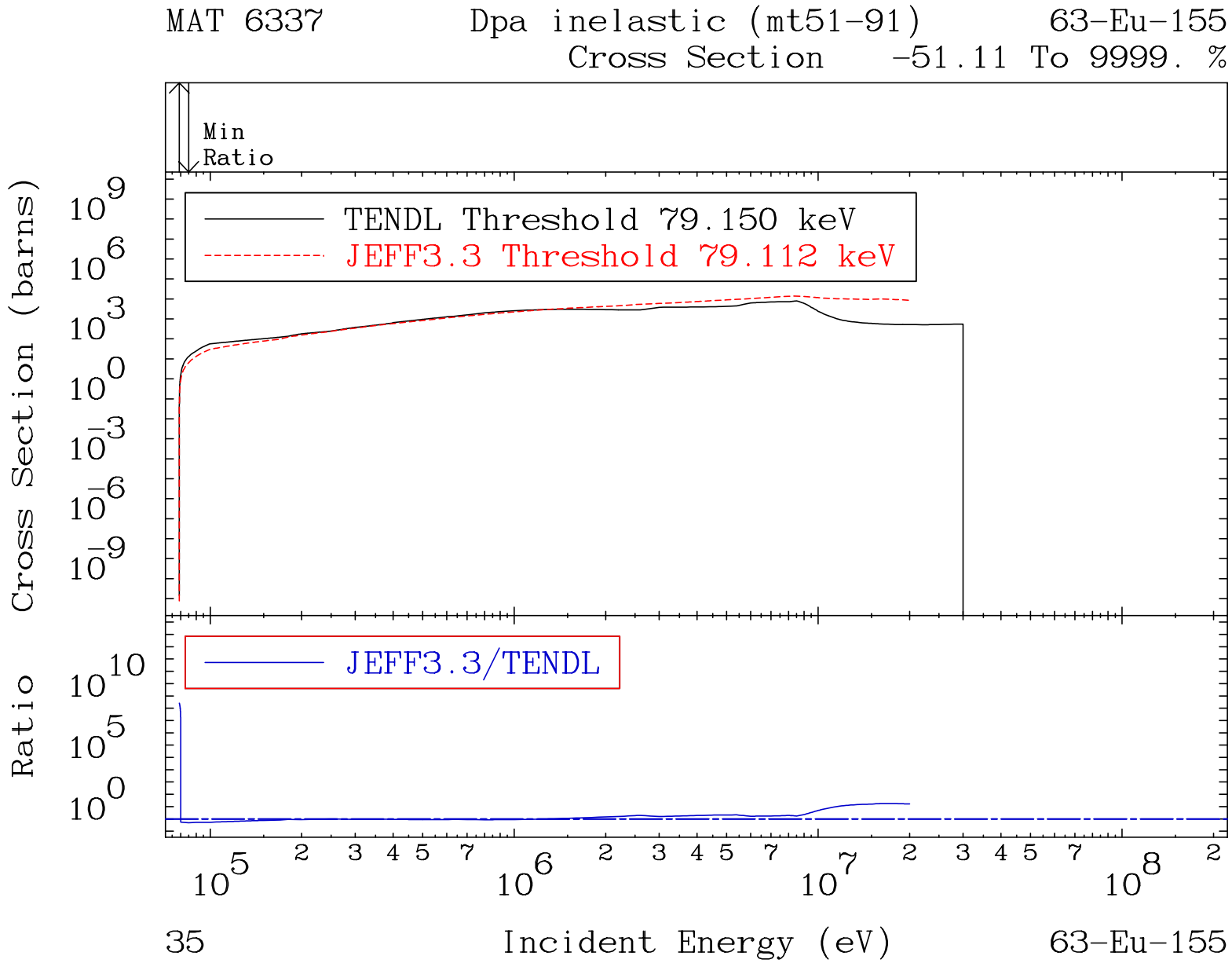

MAT 6337
Kerma capture (mt102)
63-Eu-155
Cross Section -99.06 To 2526. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
30
63-Eu-155

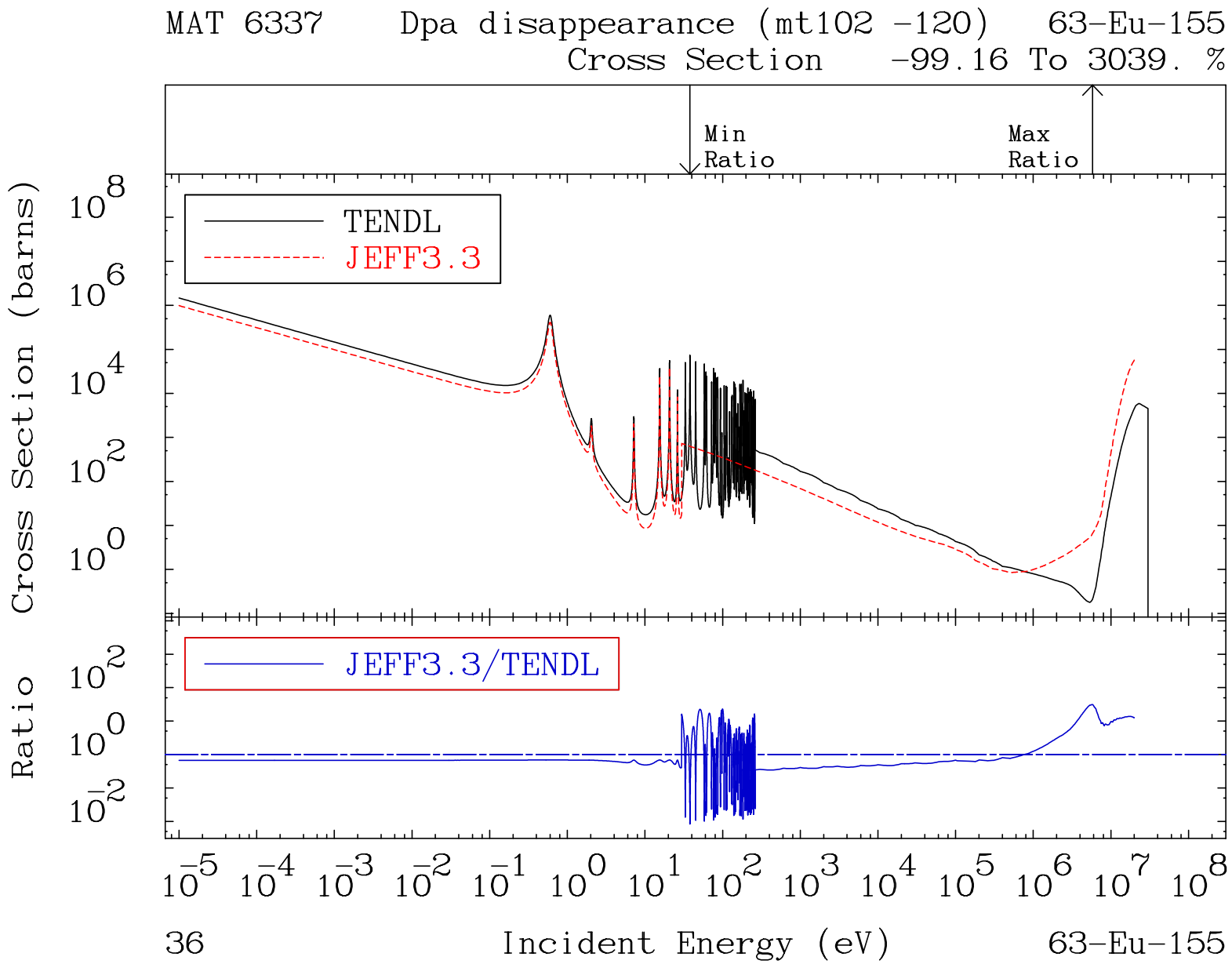

MAT 6337
Total photon (eV-barns)
63-Eu-155
Cross Section -99.96 To 3218. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
31
63-Eu-155


MAT 6337 Total kinematic kerma (high limit) 63-Eu-155
Cross Section -99.09 To 2479. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
32
63-Eu-155


MAT 6337
Dpa total (eV-barns)
63-Eu-155
Cross Section -99.16 To 2252. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
33
63-Eu-155


MAT 6337
Dpa elastic (mt2)
Cross Section
63-Eu-155
-77.20 To 13.47 %
Min Ratio
Max Ratio
TENDL Threshold 1.0000 keV
JEFF3.3 Threshold 950.00 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
34
63-Eu-155


MAT 6337
Dpa inelastic (mt51-91)
63-Eu-155
Cross Section -51.11 To 9999. %
Min
Ratio
TENDL Threshold 79.150 keV
JEFF3.3 Threshold 79.112 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
35
63-Eu-155


MAT 6337 Dpa disappearance (mt102 -120) 63-Eu-155
Cross Section -99.16 To 3039. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
63-Eu-155