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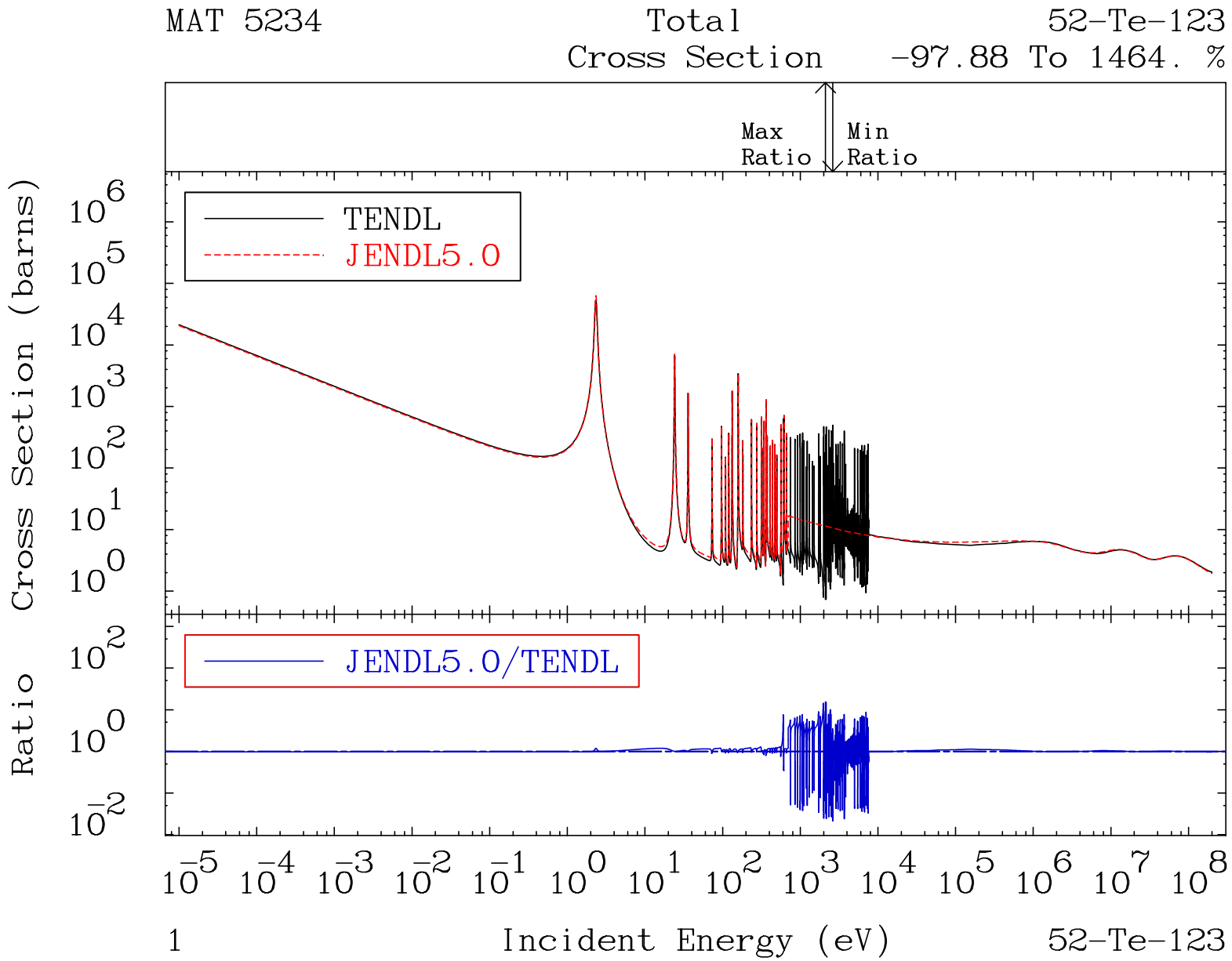
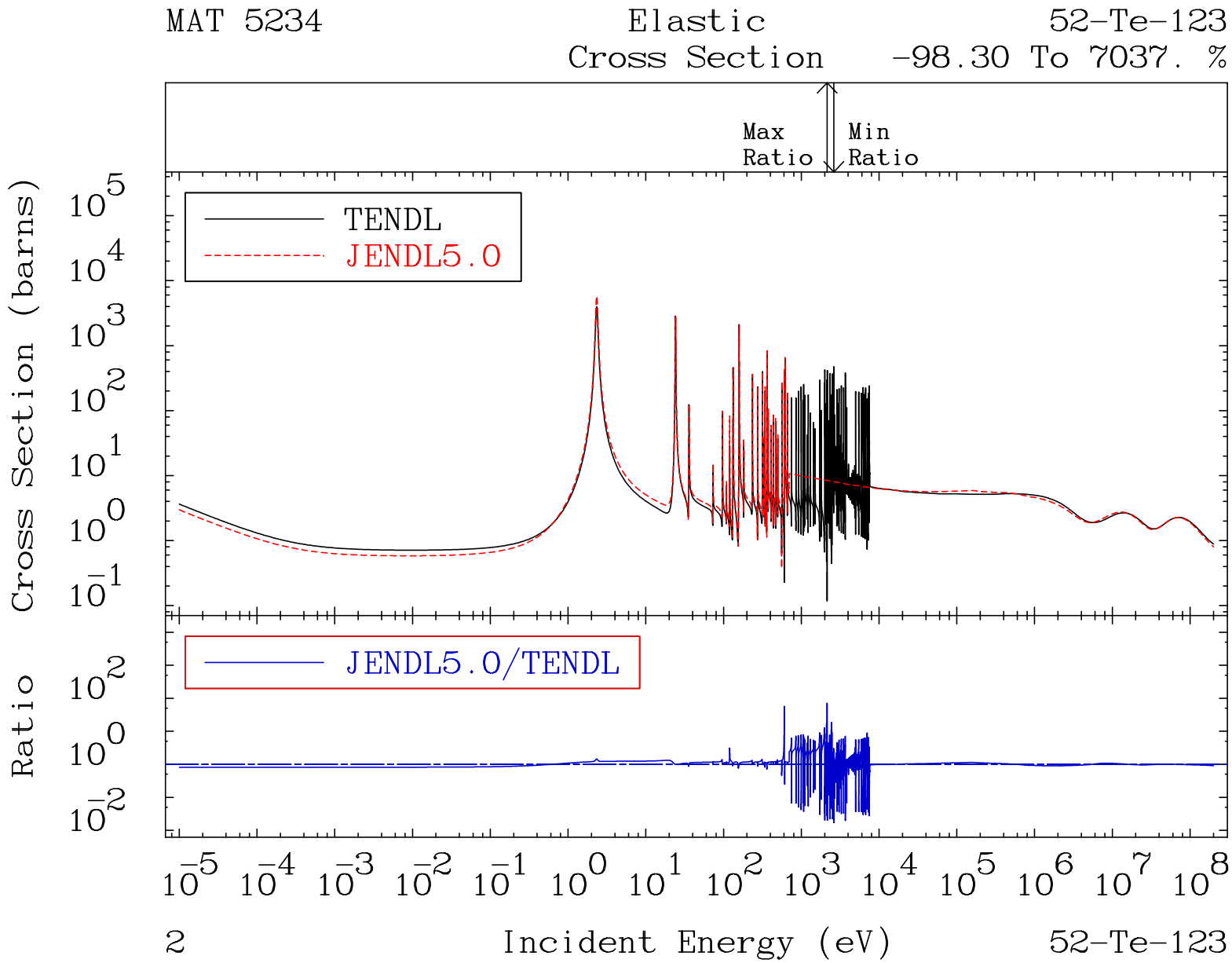
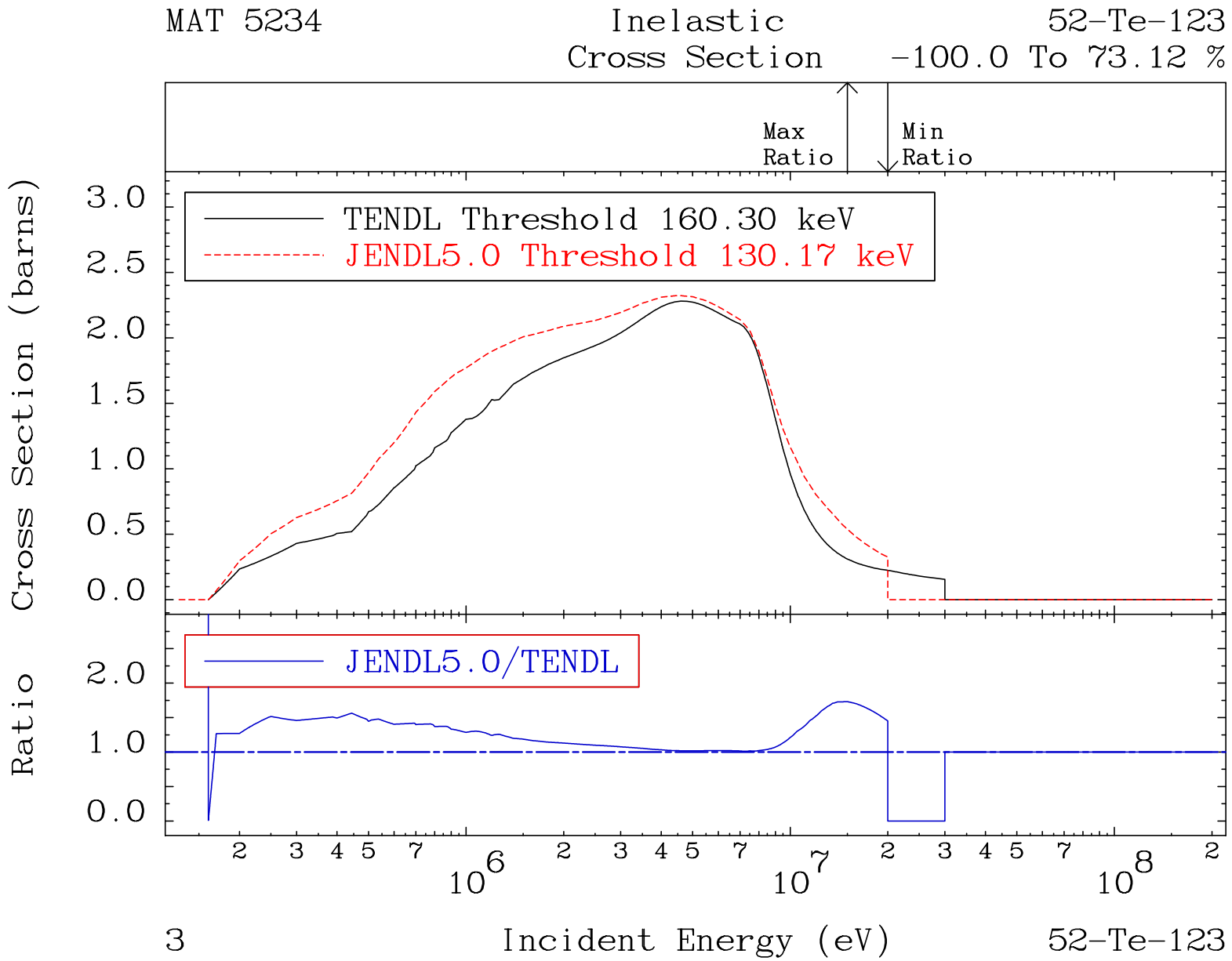
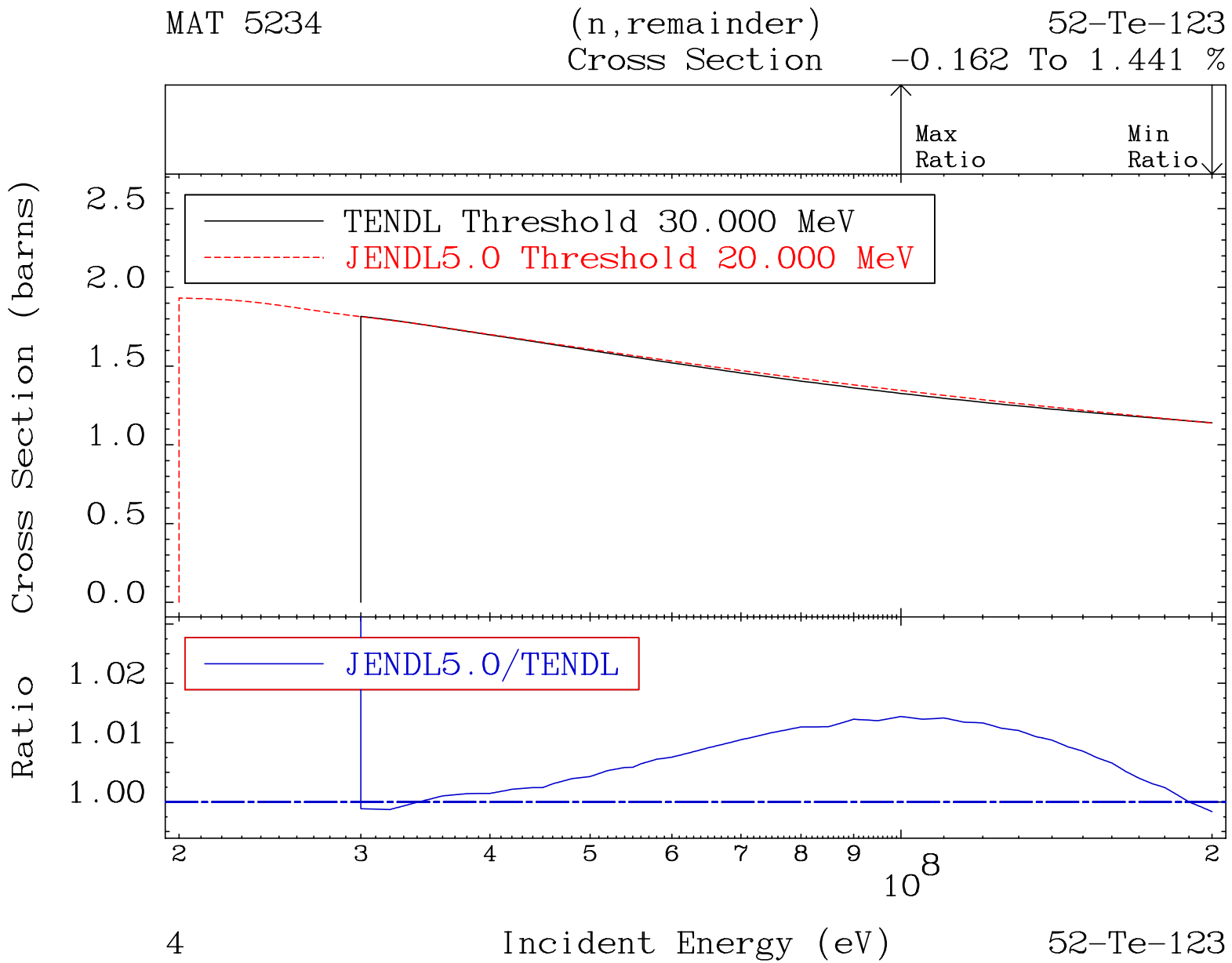
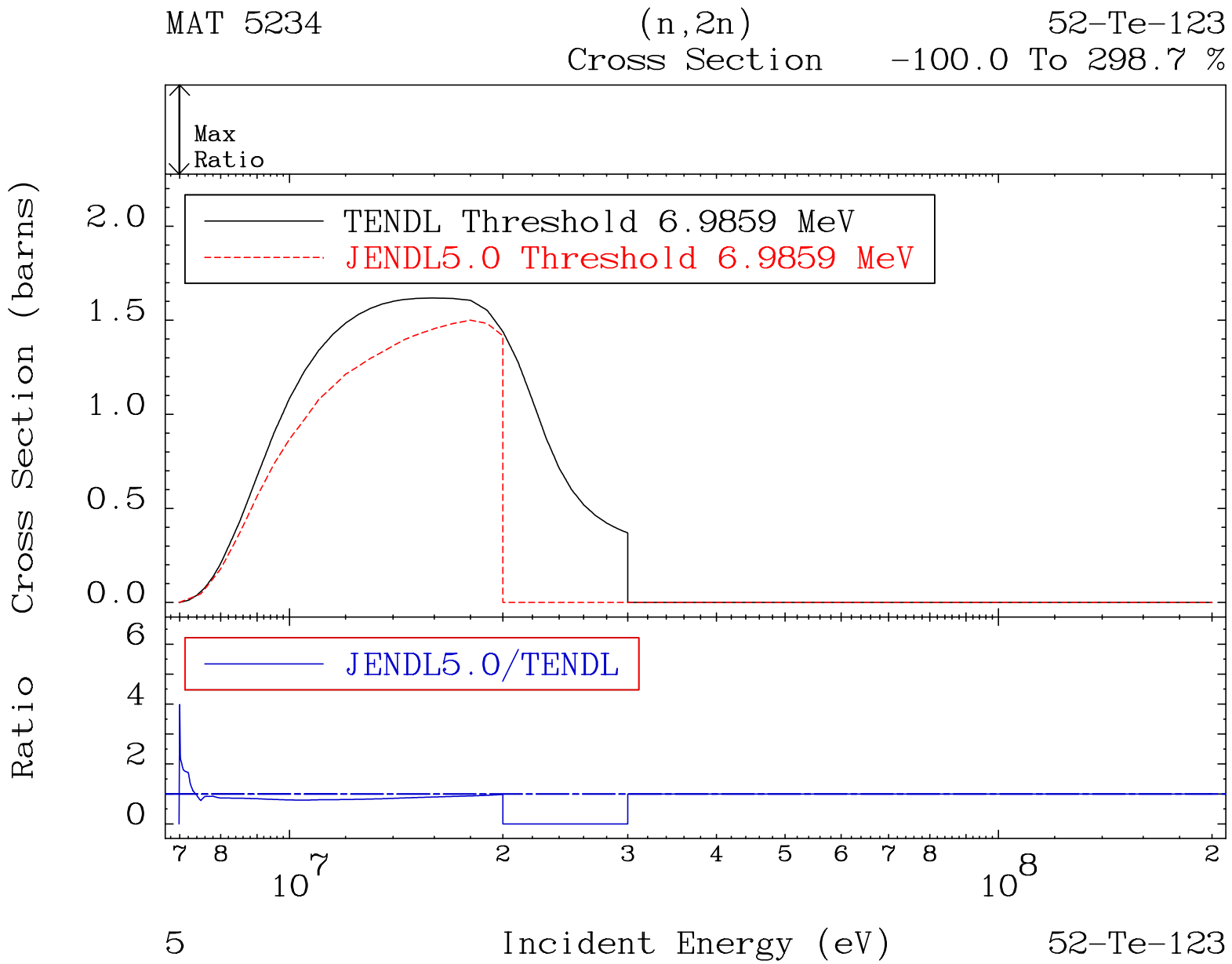
Press Mouse Button to Start

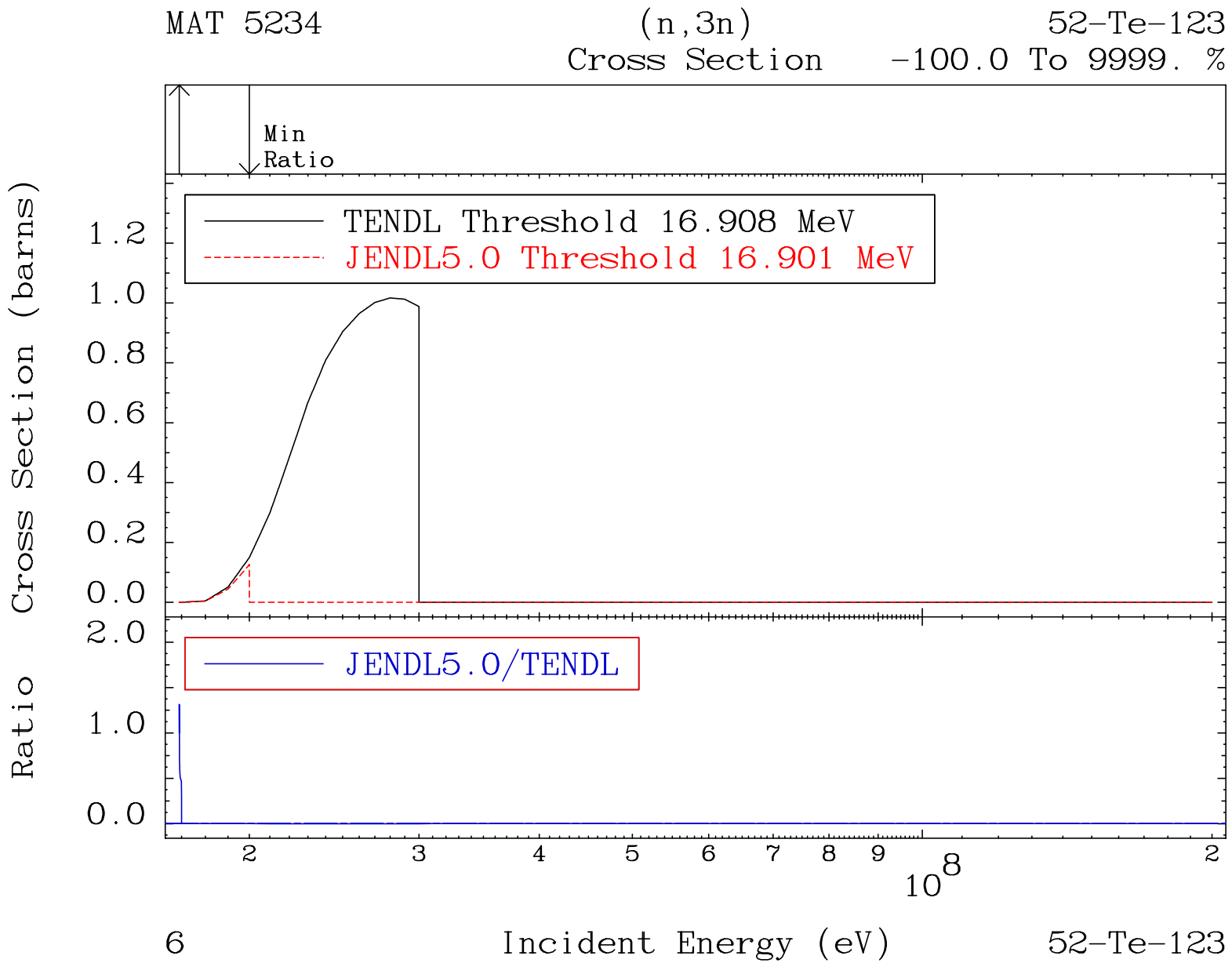

MAT 5234
Total
Cross Section
52-Te-123
-97.88 To 1464. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
52-Te-123

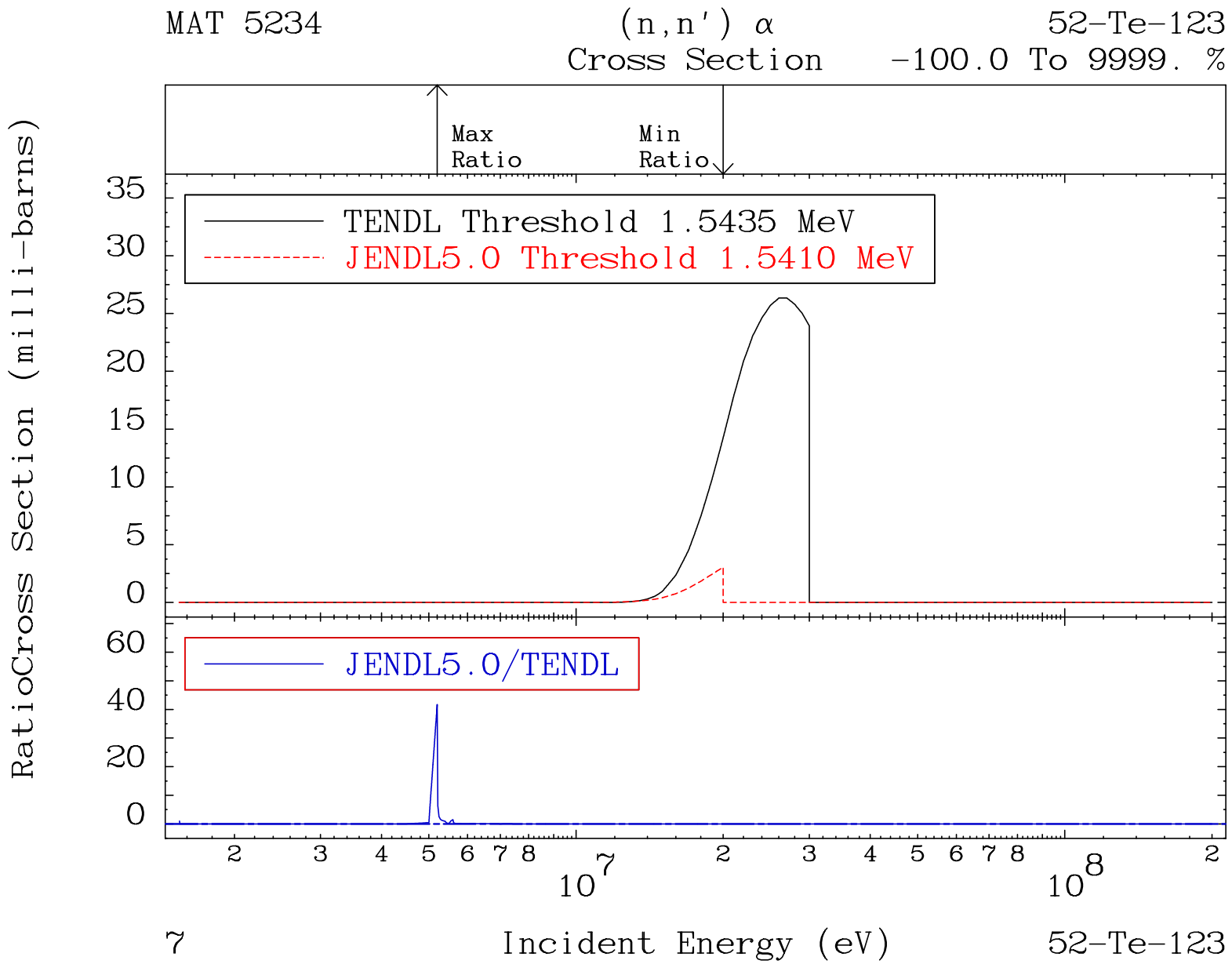

MAT 5234
Elastic
Cross Section
52-Te-123
-98.30 To 7037. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
52-Te-123

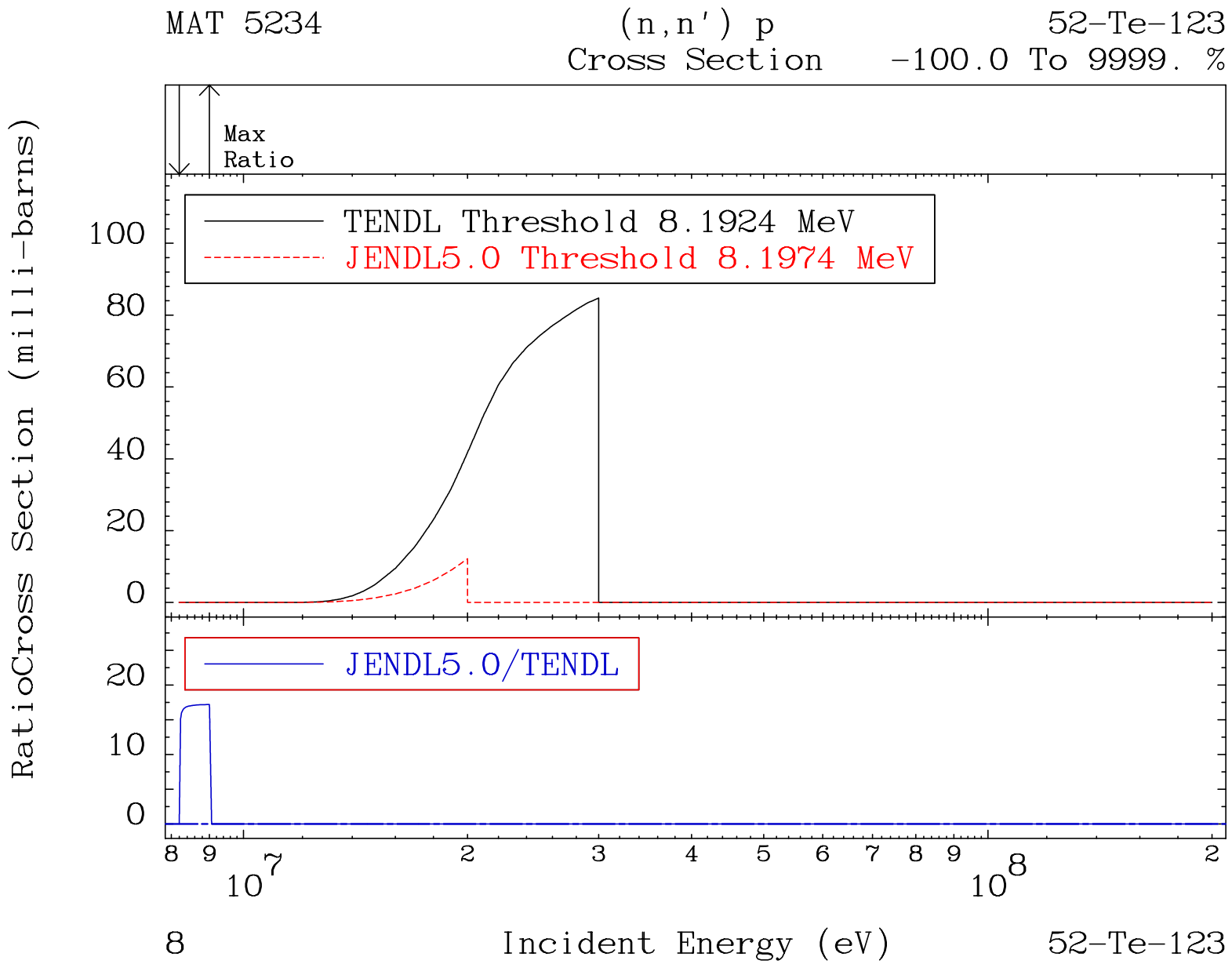

MAT 5234
Inelastic
Cross Section
52-Te-123
-100.0 To 73.12 %
Max
Ratio
Min
Ratio
TENDL Threshold 160.30 keV
JENDL5.0 Threshold 130.17 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
2.0
1.0
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
3
Incident Energy (eV)
52-Te-123

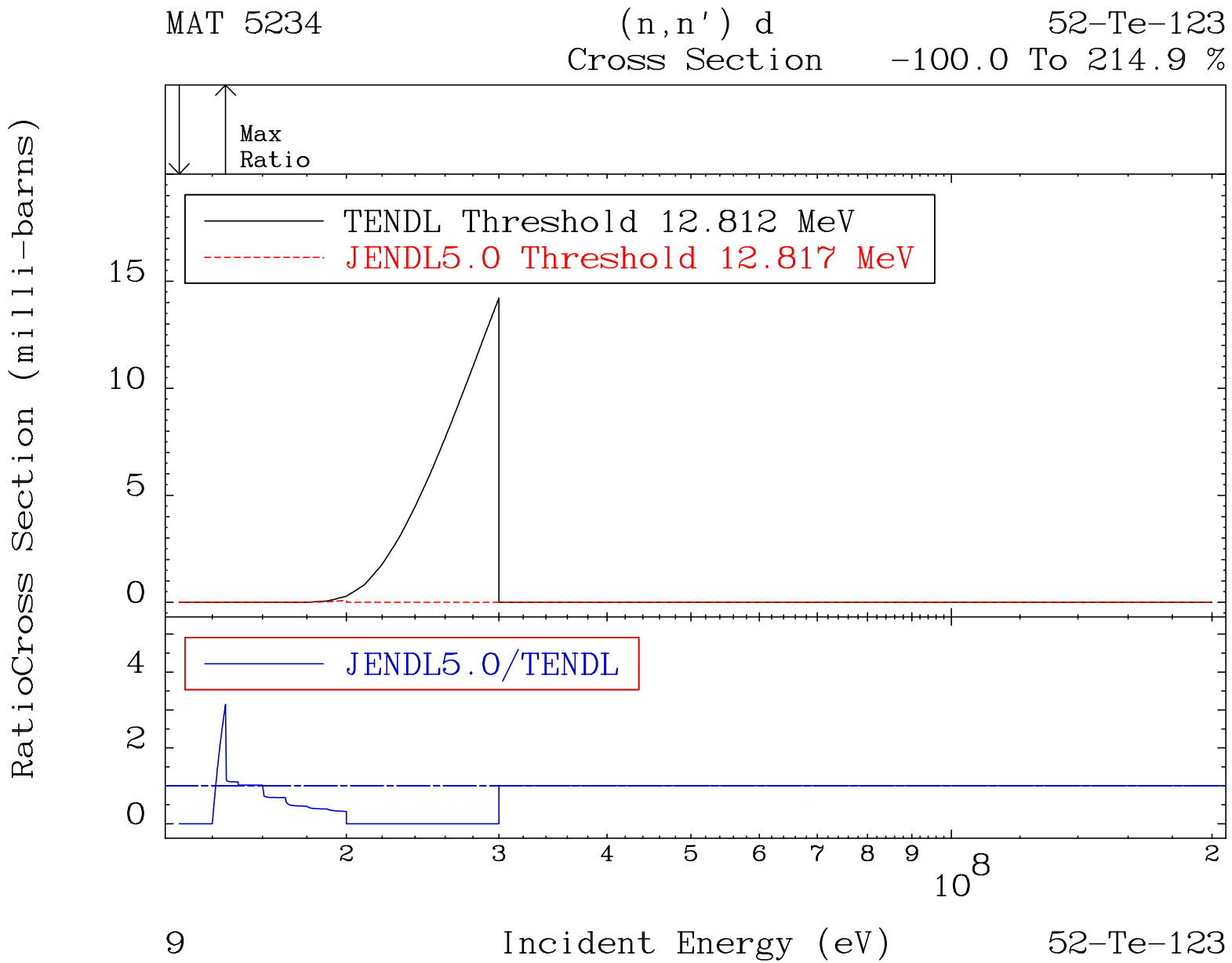

MAT 5234
(n,remainder)
Cross Section
52-Te-123
-0.162 To 1.441 %
Max Ratio
Min Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
9
10^8
2
4
Incident Energy (eV)
52-Te-123

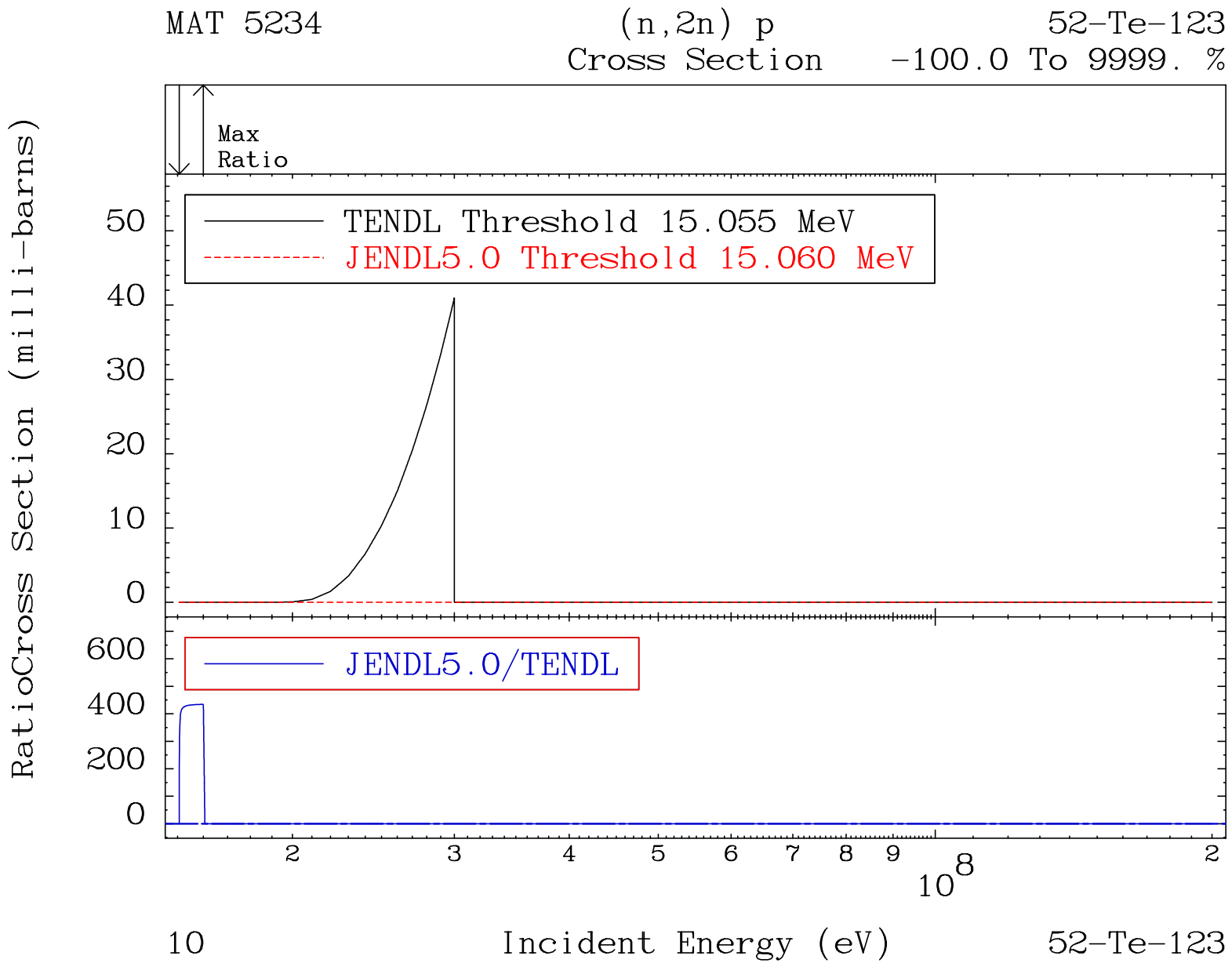

MAT 5234
(n,2n)
Cross Section
52-Te-123
-100.0 To 298.7 %
Max
Ratio
TENDL Threshold 6.9859 MeV
JENDL5.0 Threshold 6.9859 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
5
52-Te-123

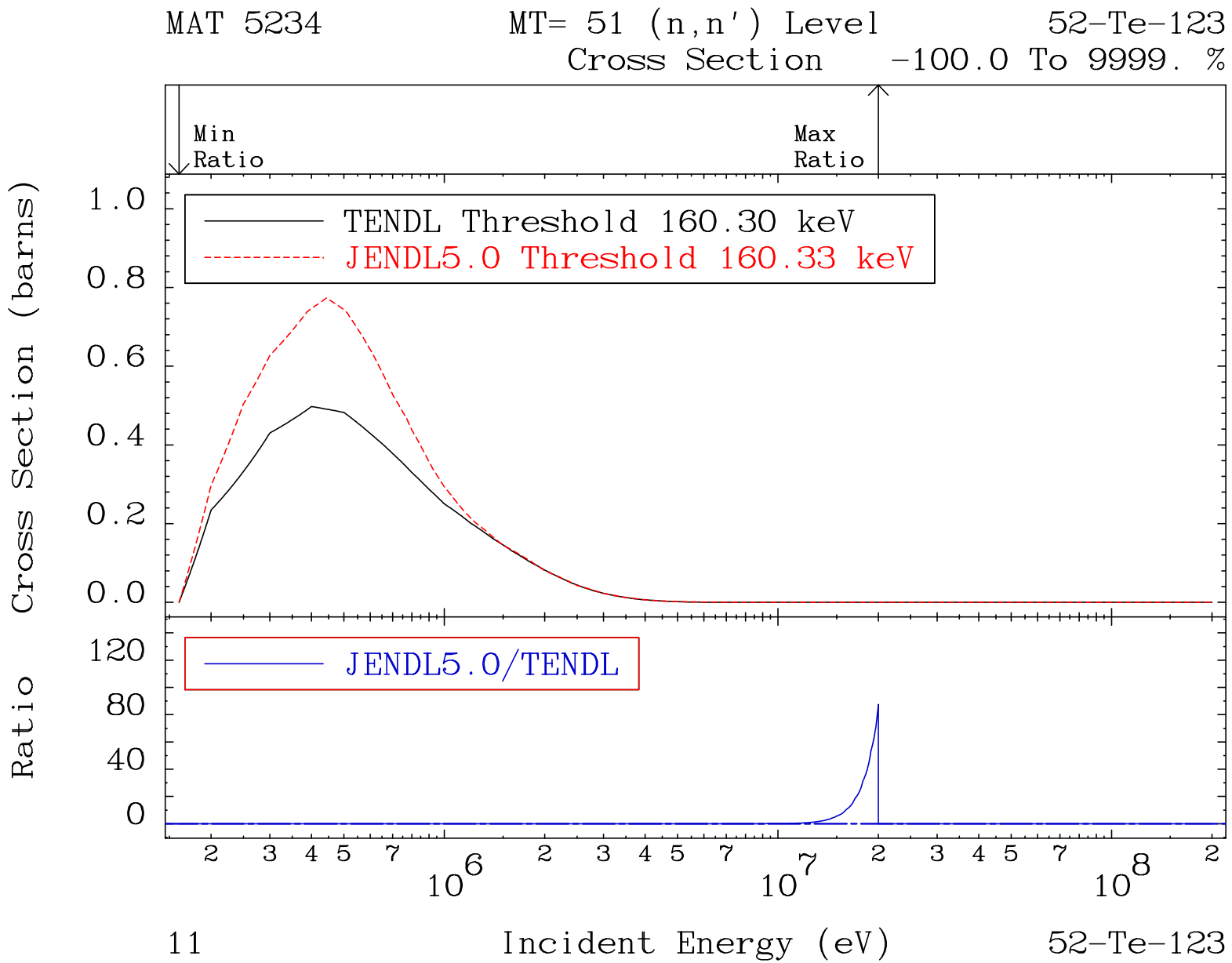

MAT 5234
(n,3n)
52-Te-123
Cross Section
-100.0 To 9999. %
Min
Ratio
TENDL Threshold 16.908 MeV
JENDL5.0 Threshold 16.901 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
52-Te-123

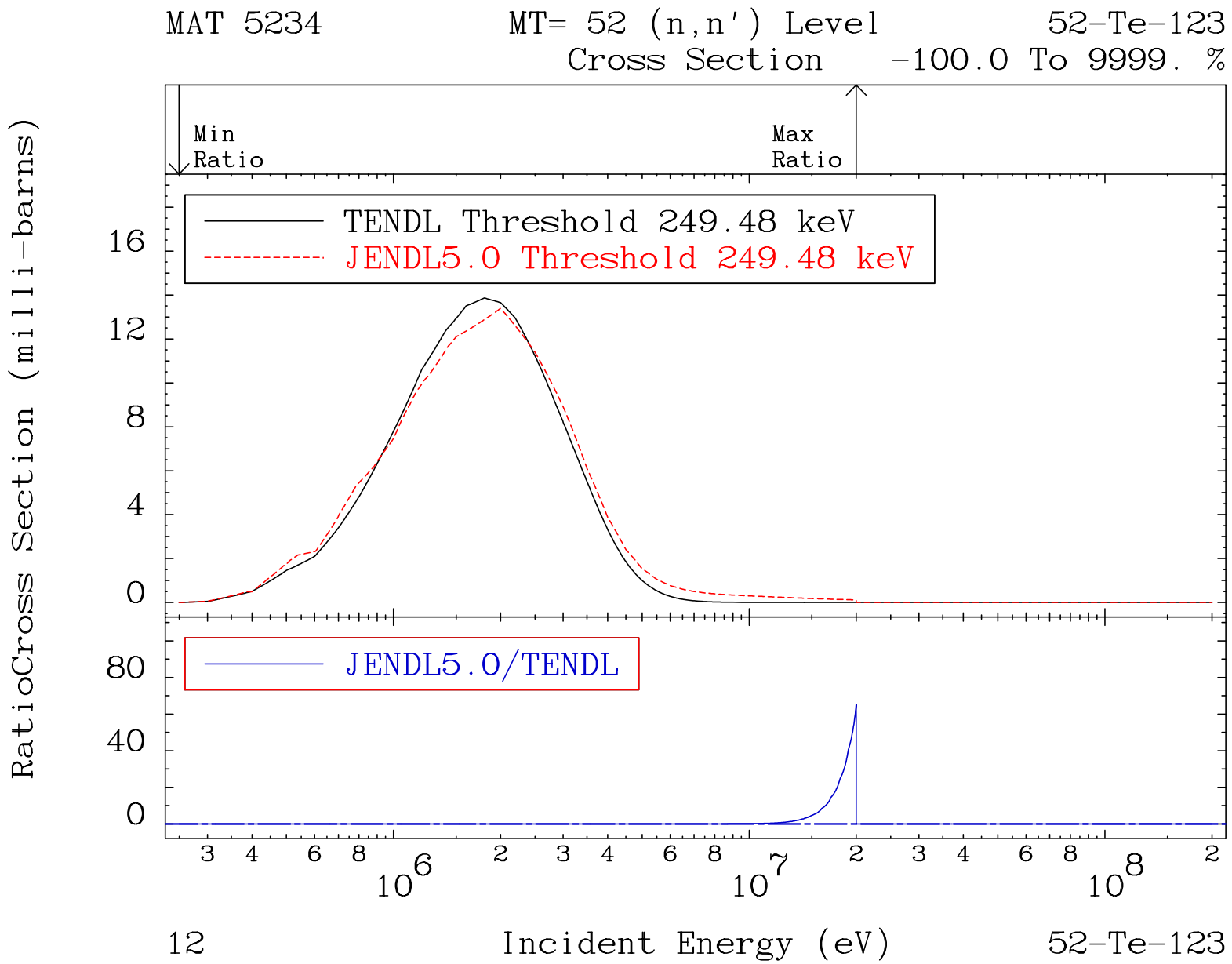

MAT 5234
(n,n') α
Cross Section
52-Te-123
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.5435 MeV
JENDL5.0 Threshold 1.5410 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
52-Te-123
7

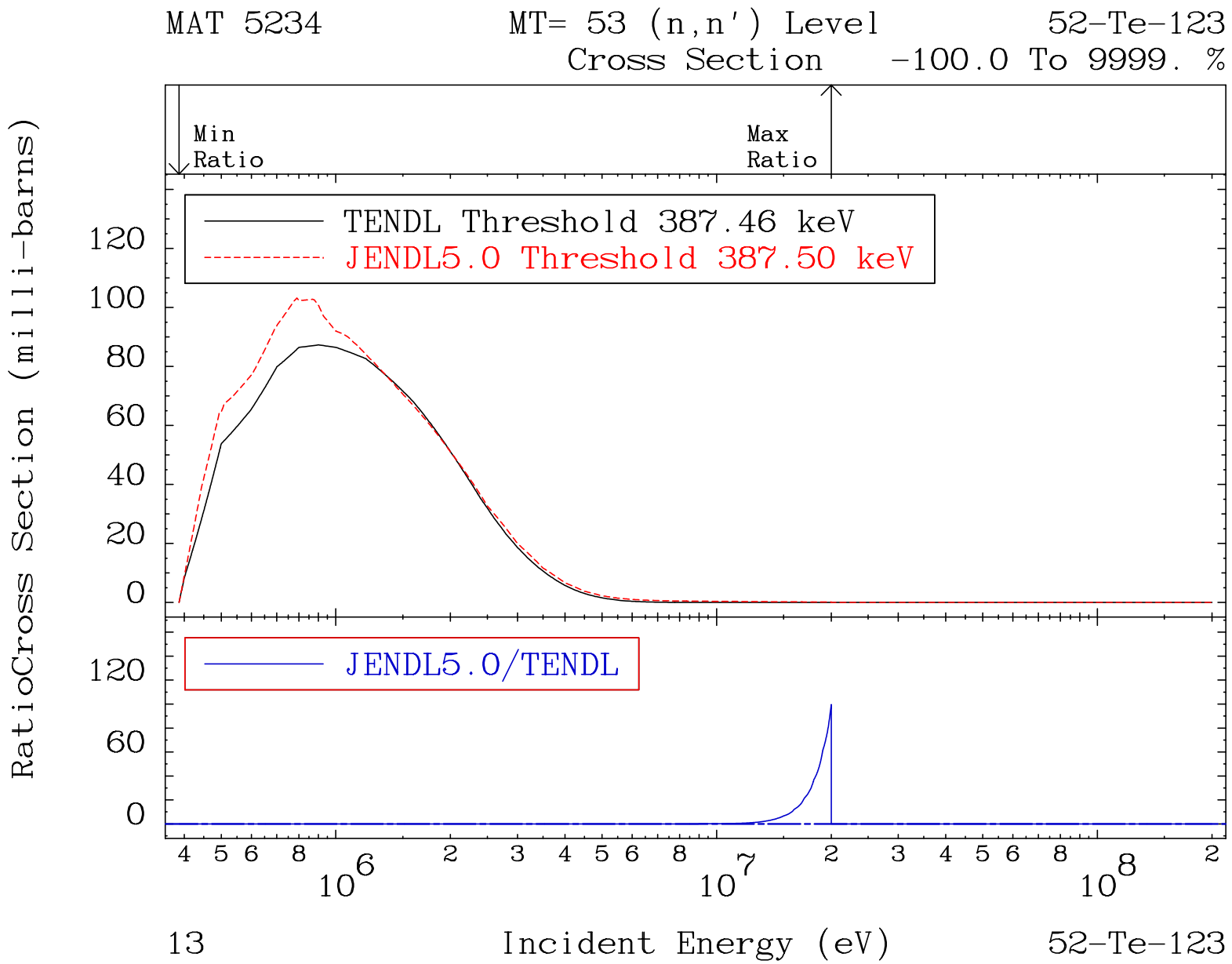

MAT 5234
(n,n') p
Cross Section
52-Te-123
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 8.1924 MeV
JENDL5.0 Threshold 8.1974 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
20
10
0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
8
Incident Energy (eV)
52-Te-123

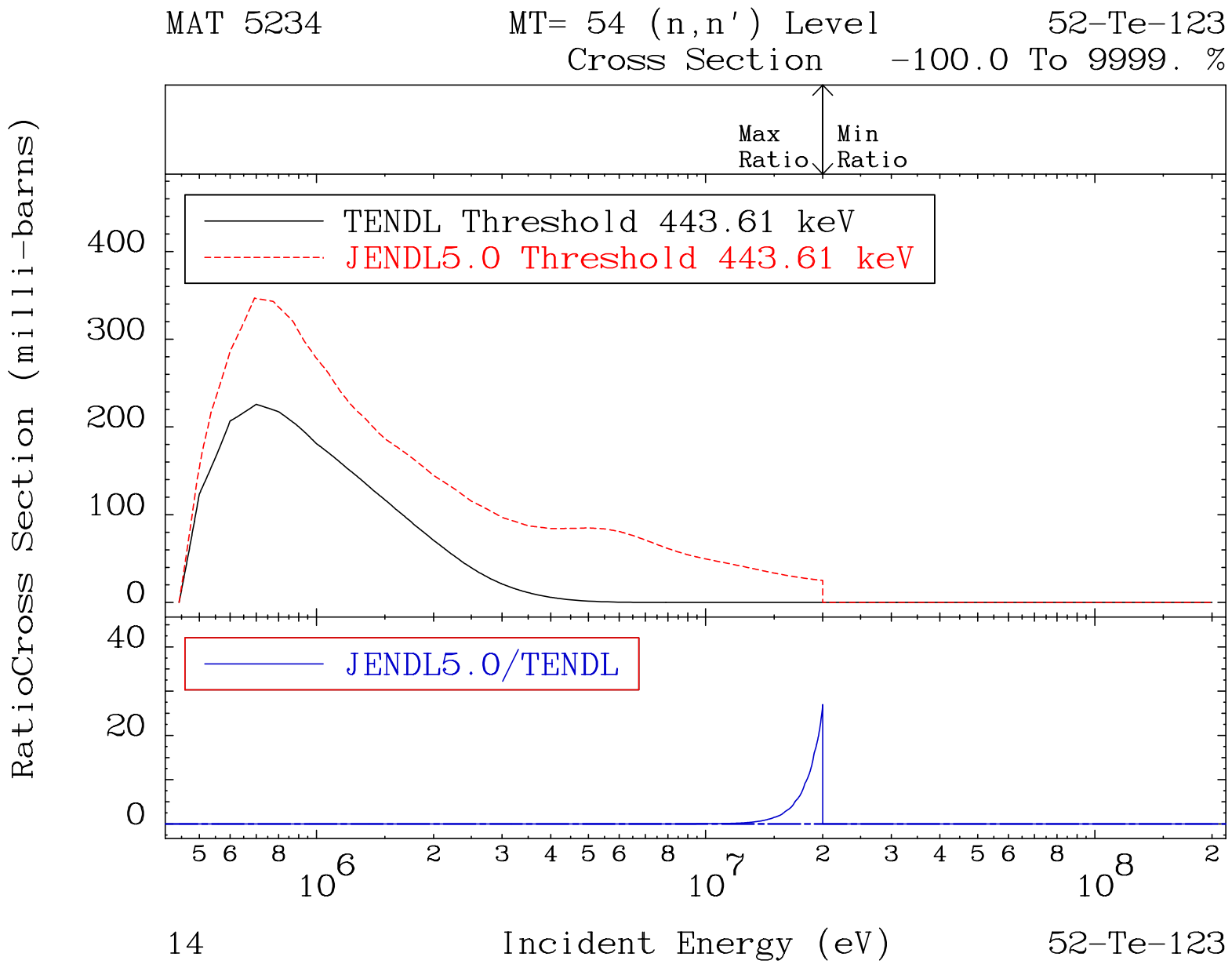

MAT 5234
(n,n') d
Cross Section
52-Te-123
-100.0 To 214.9 %
Max
Ratio
TENDL Threshold 12.812 MeV
JENDL5.0 Threshold 12.817 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
15
10
5
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
52-Te-123

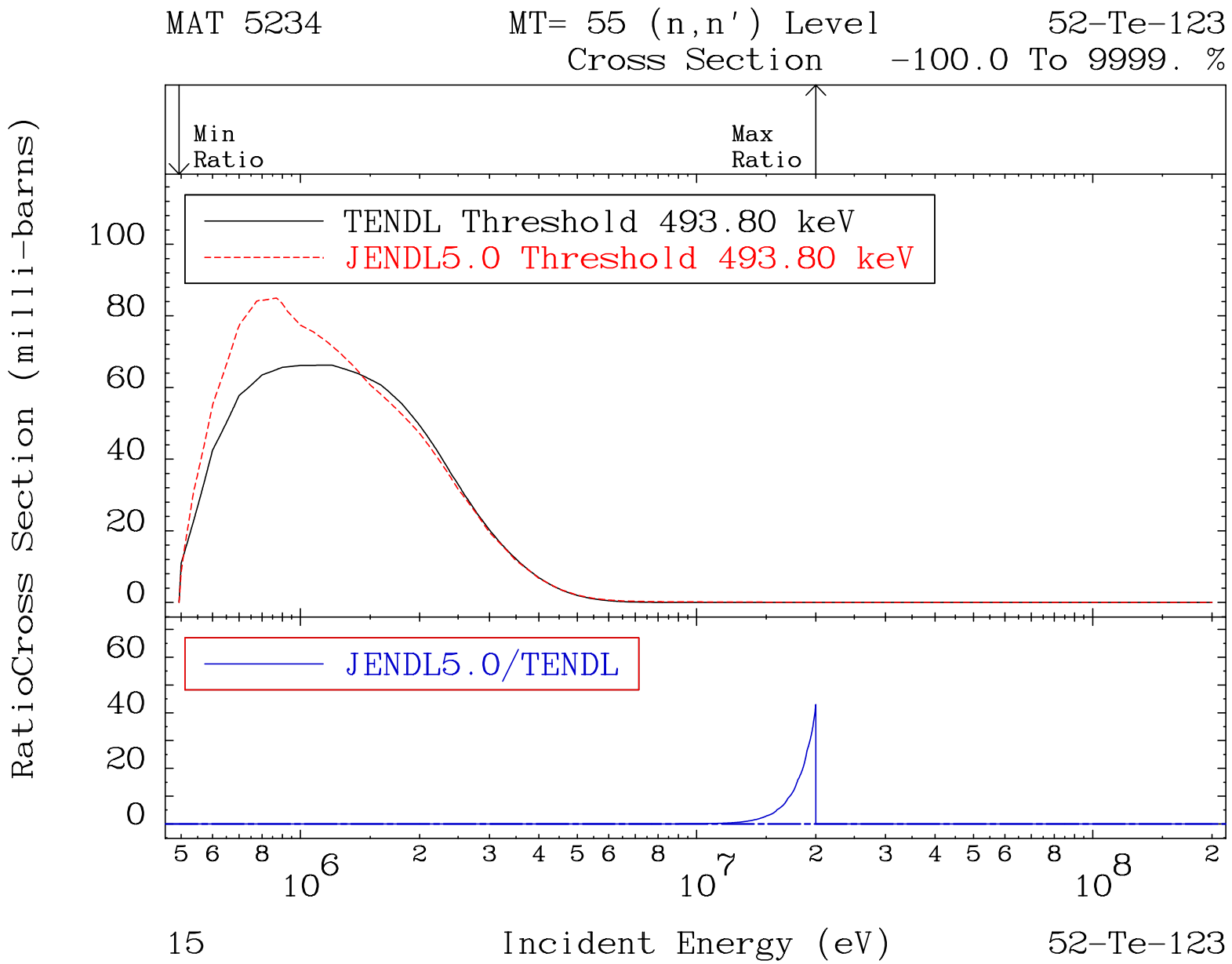

MAT 5234
(n,2n) p
Cross Section
52-Te-123
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 15.055 MeV
JENDL5.0 Threshold 15.060 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
600
400
200
0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
52-Te-123

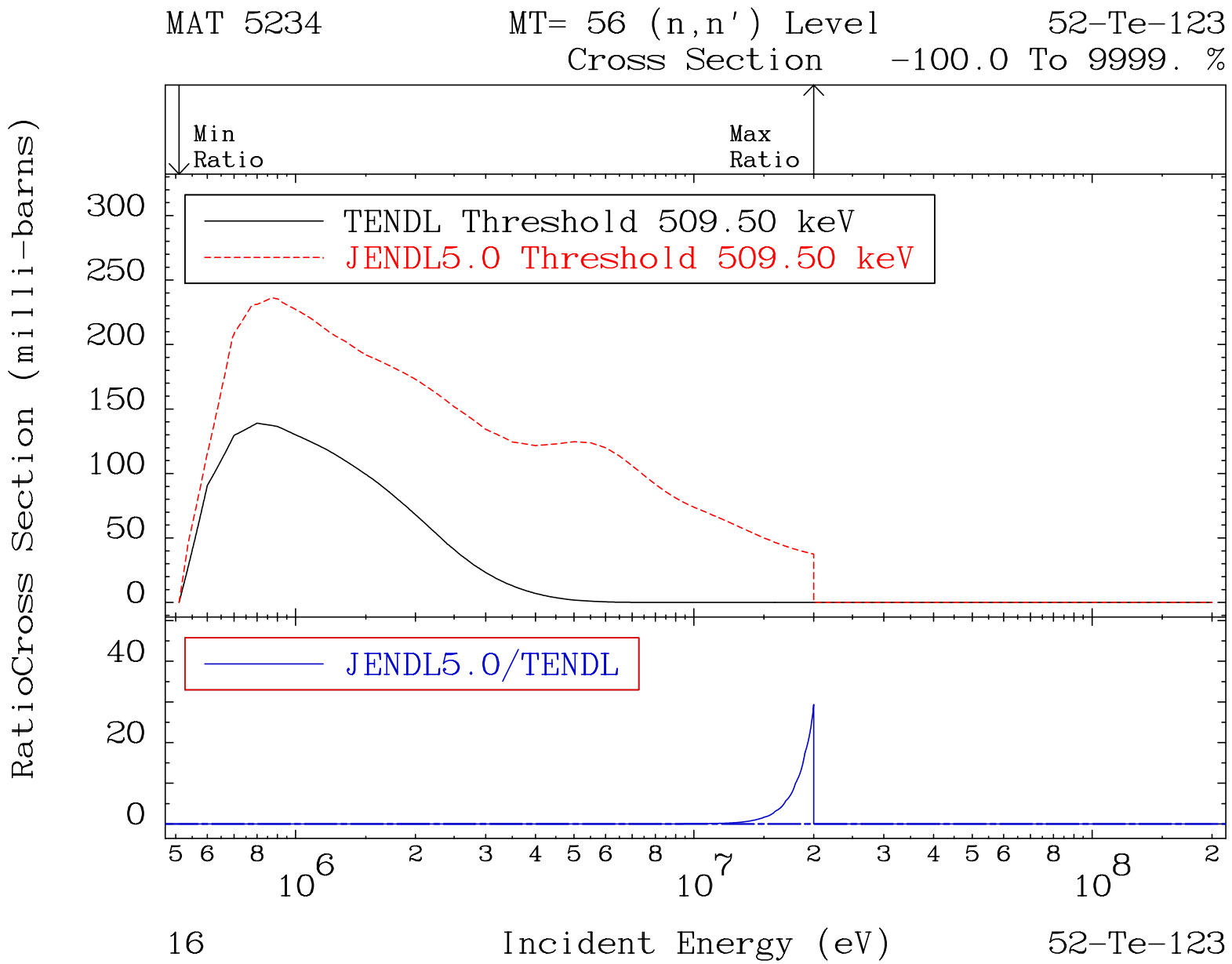

MAT 5234
MT= 51 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 160.30 keV
JENDL5.0 Threshold 160.33 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
120
80
40
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
11
Incident Energy (eV)
52-Te-123

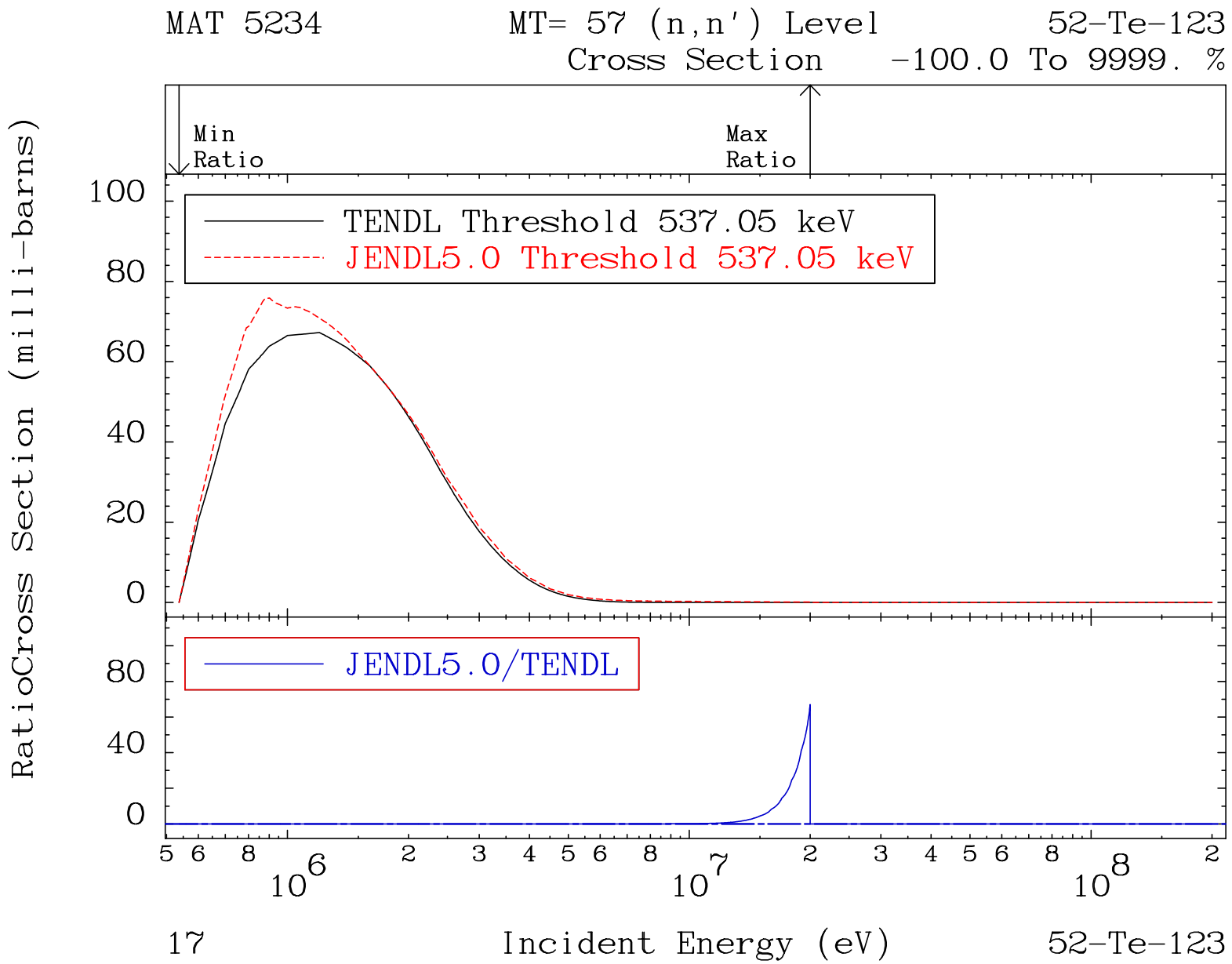

MAT 5234
MT= 52 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 249.48 keV
JENDL5.0 Threshold 249.48 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
80
40
0
3 4 6 8 10^6 2 3 4 6 8 10^7 2 3 4 6 8 10^8 2
12
Incident Energy (eV)
52-Te-123

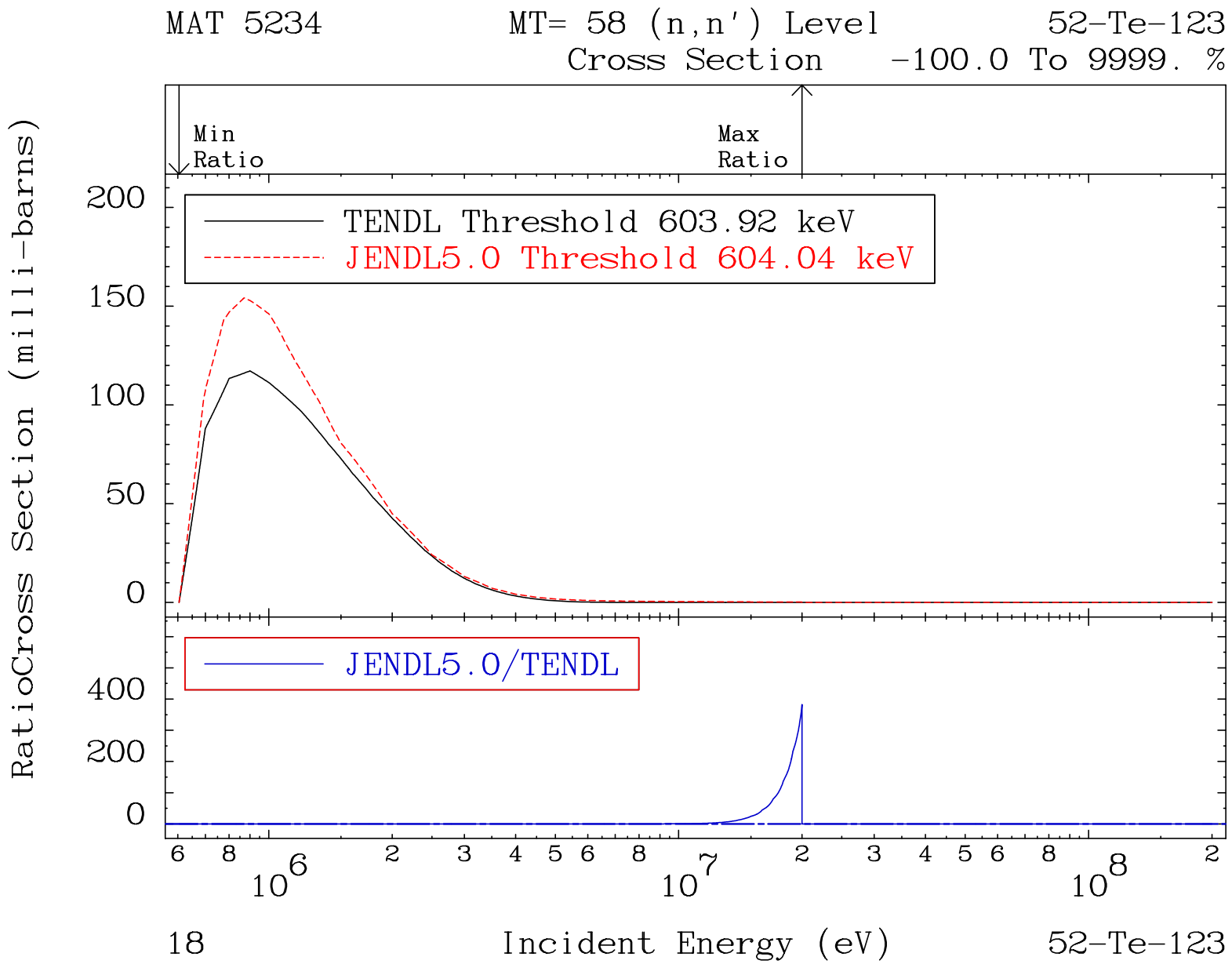

MAT 5234
MT= 53 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 387.46 keV
JENDL5.0 Threshold 387.50 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
120
60
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
13
Incident Energy (eV)
52-Te-123

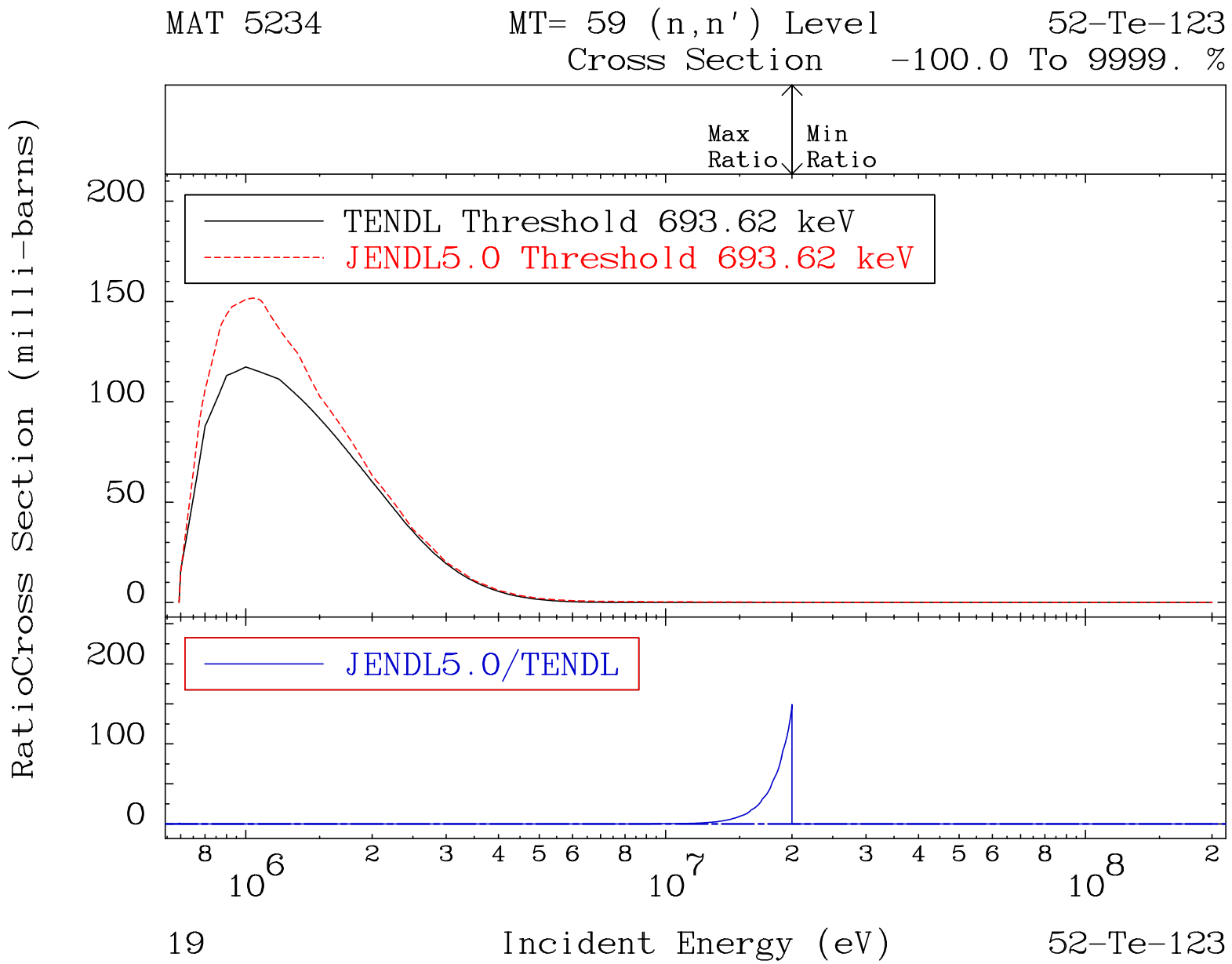

MAT 5234
MT= 54 (n,n') Level
52-Te-123
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 443.61 keV
JENDL5.0 Threshold 443.61 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
40
20
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
14
Incident Energy (eV)
52-Te-123

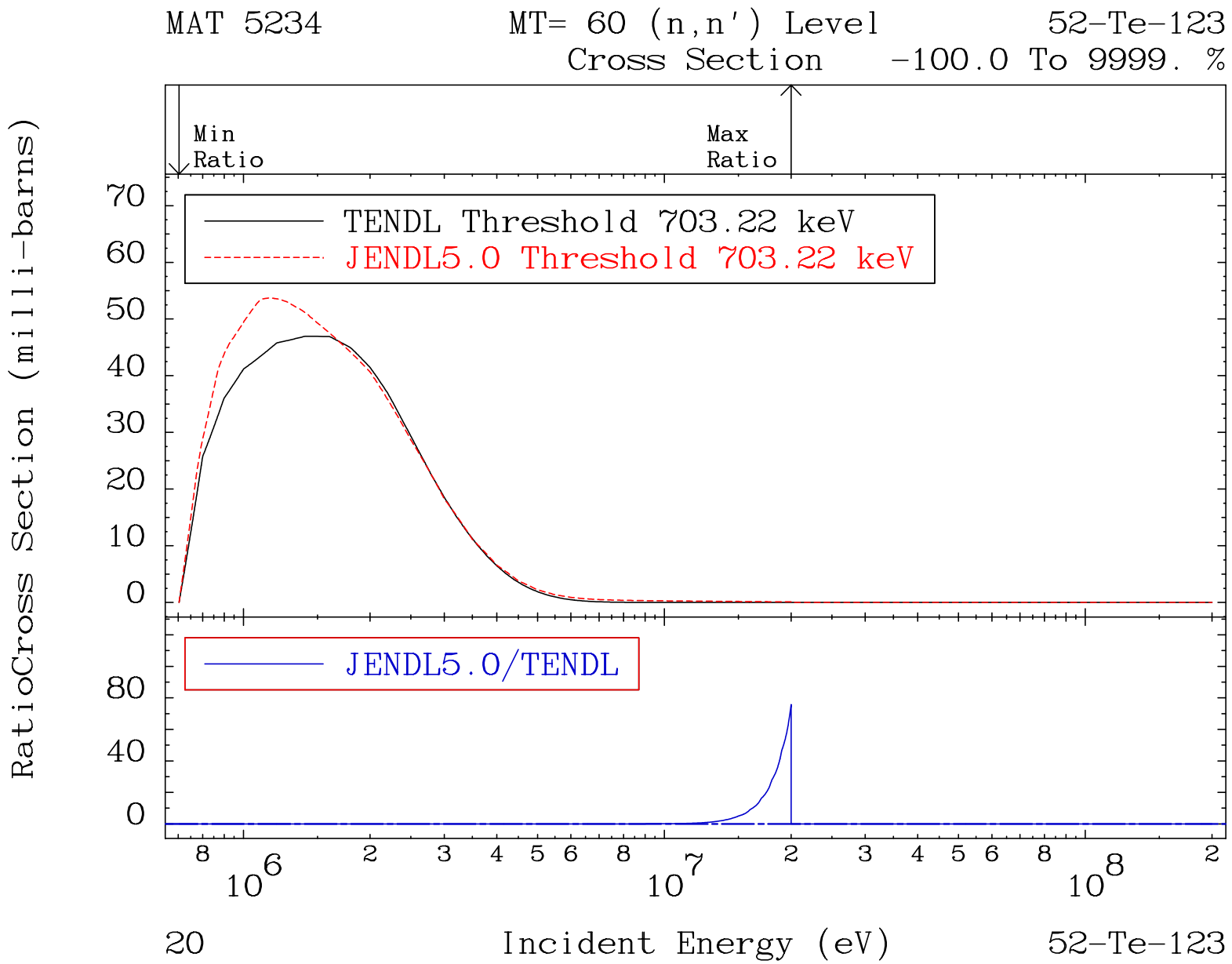

MAT 5234
MT= 55 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 493.80 keV
JENDL5.0 Threshold 493.80 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
15
52-Te-123

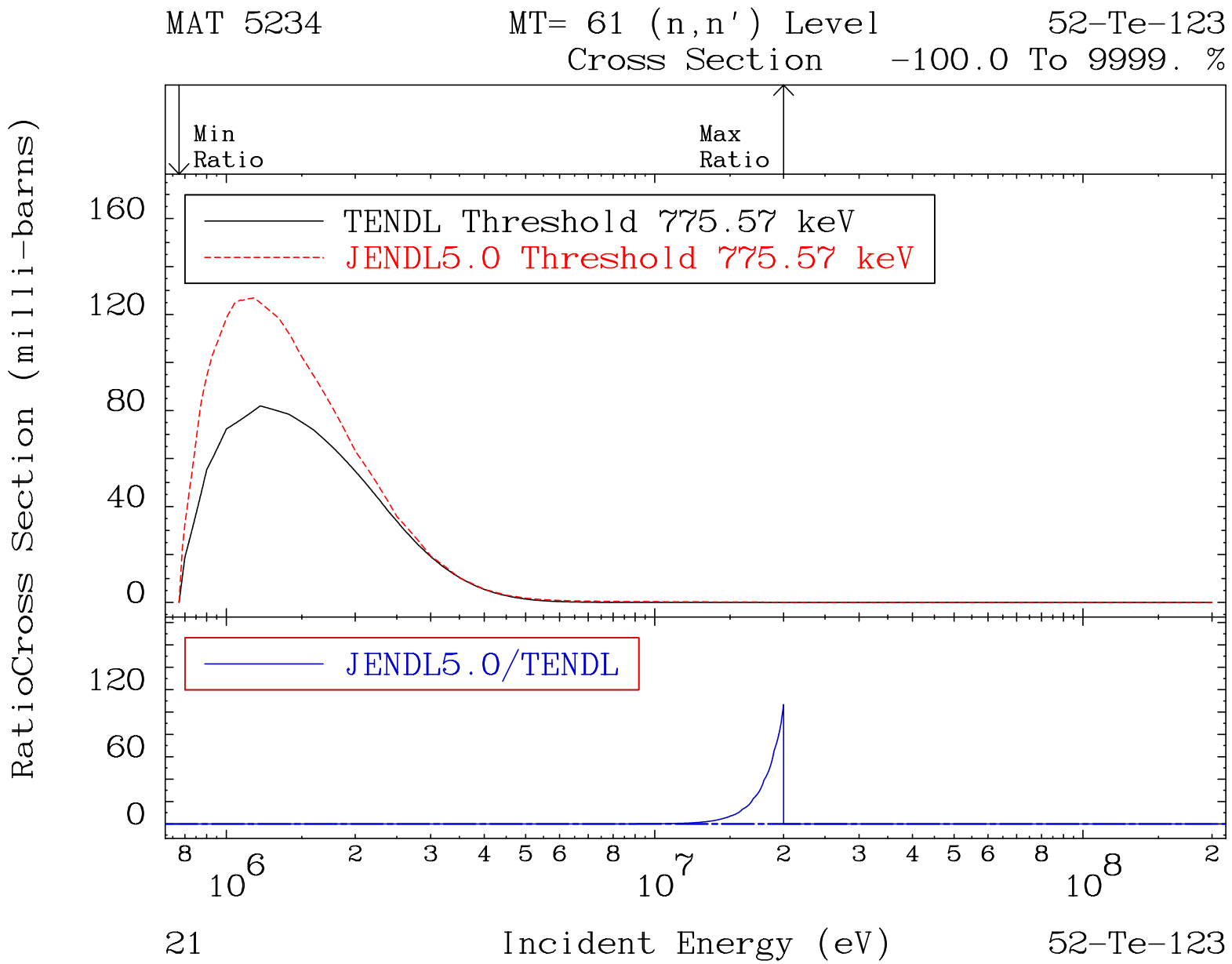

MAT 5234
MT= 56 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 509.50 keV
JENDL5.0 Threshold 509.50 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
40
20
0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
52-Te-123

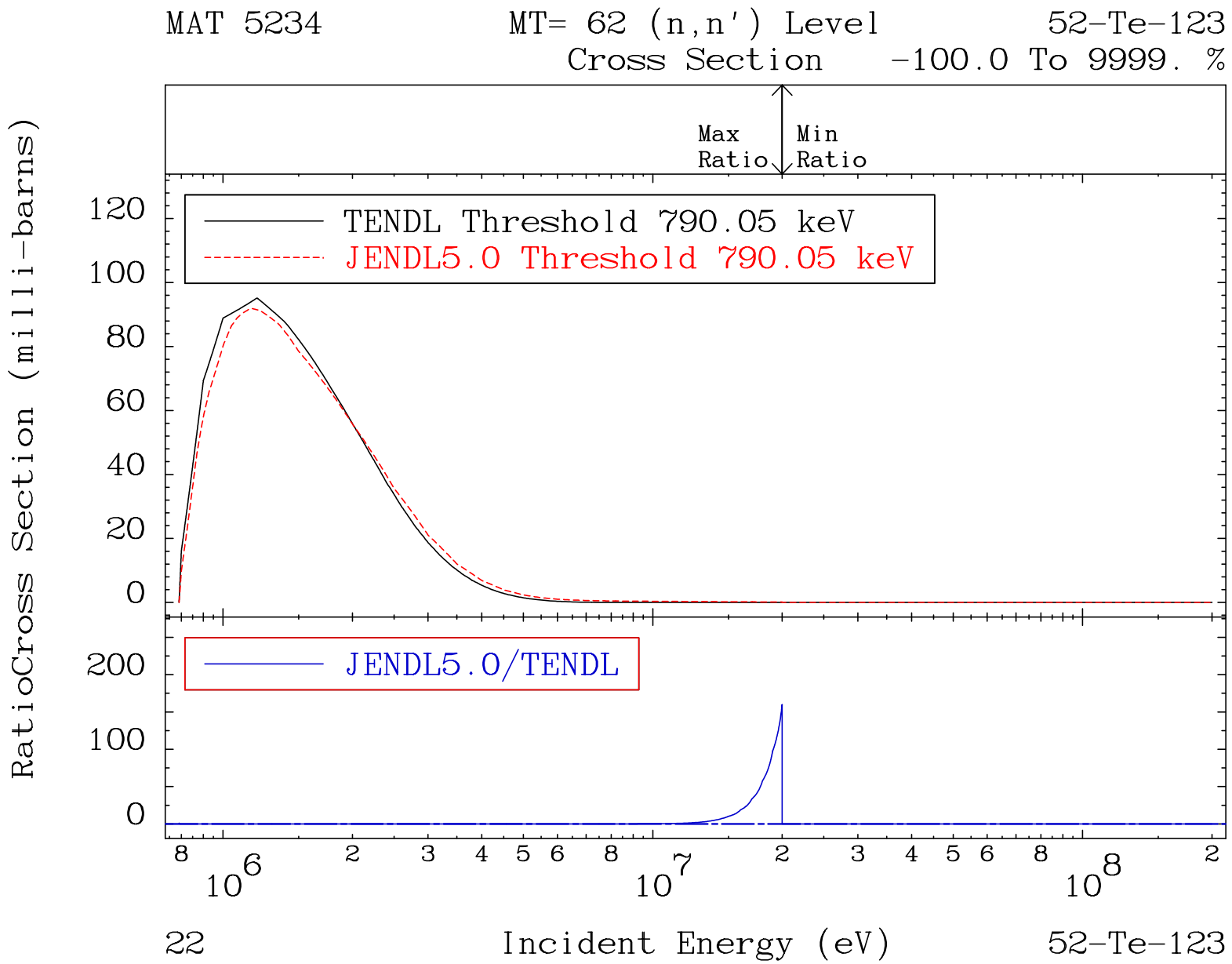

MAT 5234
MT= 57 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 537.05 keV
JENDL5.0 Threshold 537.05 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17
52-Te-123

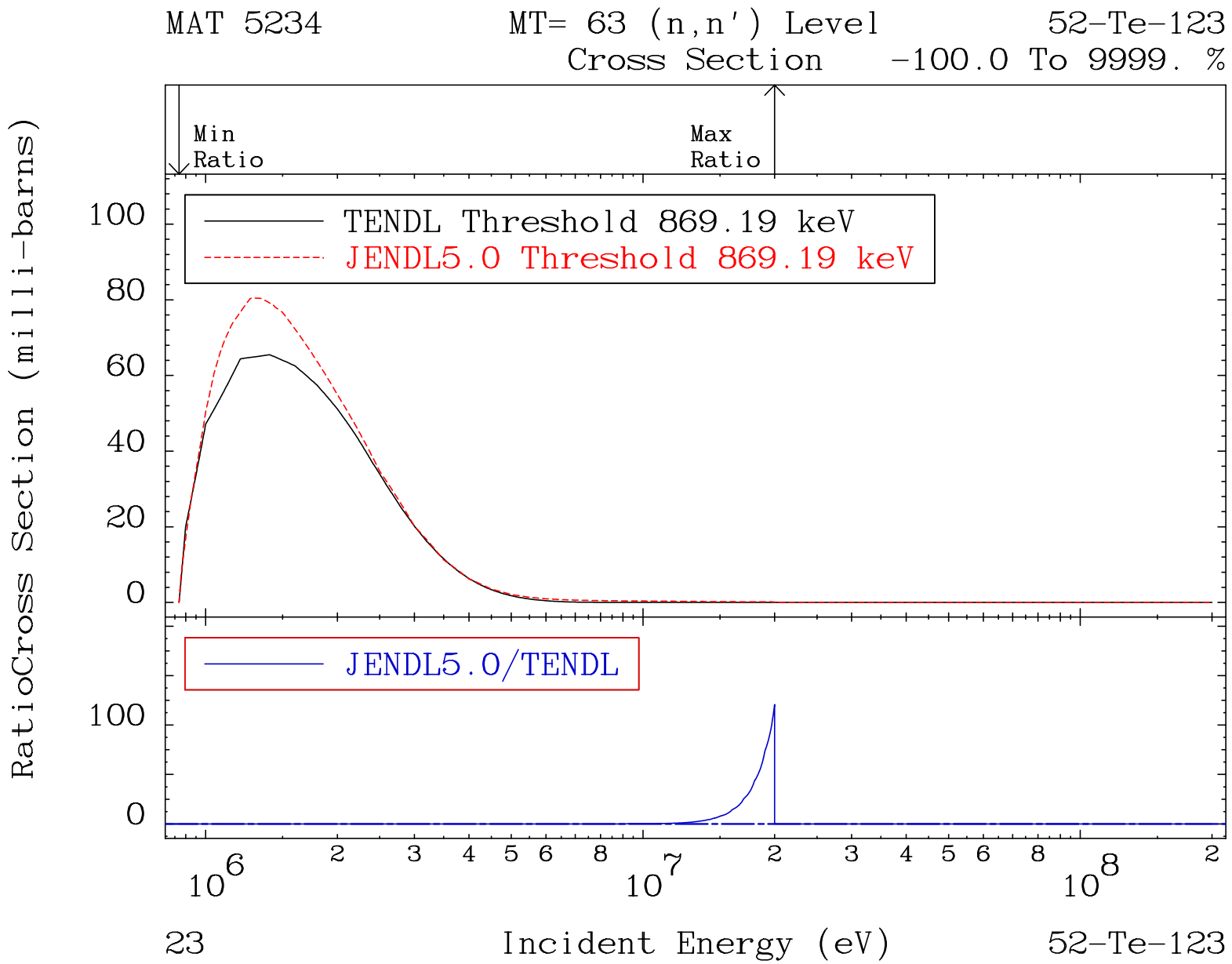

MAT 5234
MT= 58 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 603.92 keV
JENDL5.0 Threshold 604.04 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
400
200
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
18
Incident Energy (eV)
52-Te-123

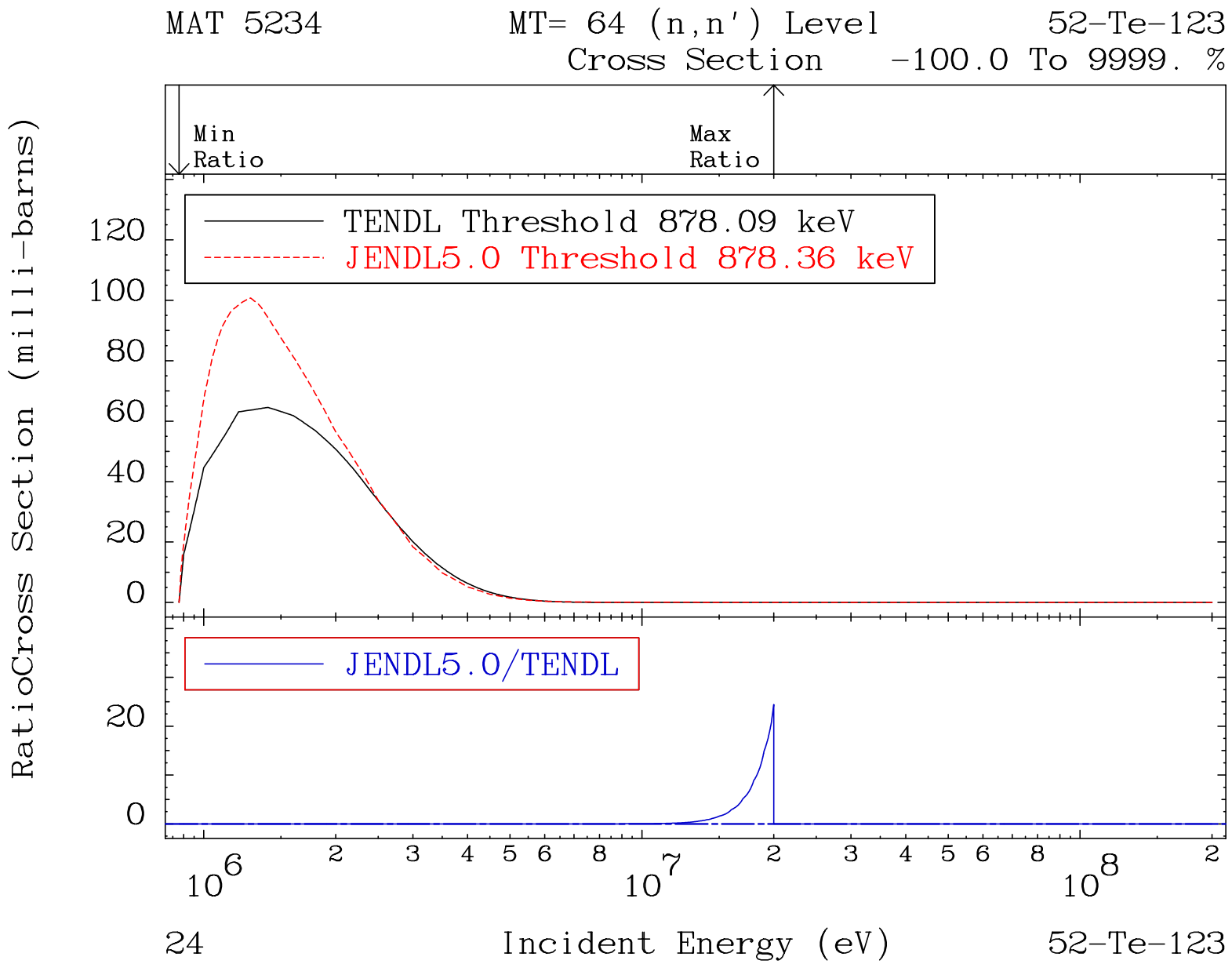

MAT 5234
MT= 59 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 693.62 keV
JENDL5.0 Threshold 693.62 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
200
100
0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
19
Incident Energy (eV)
52-Te-123

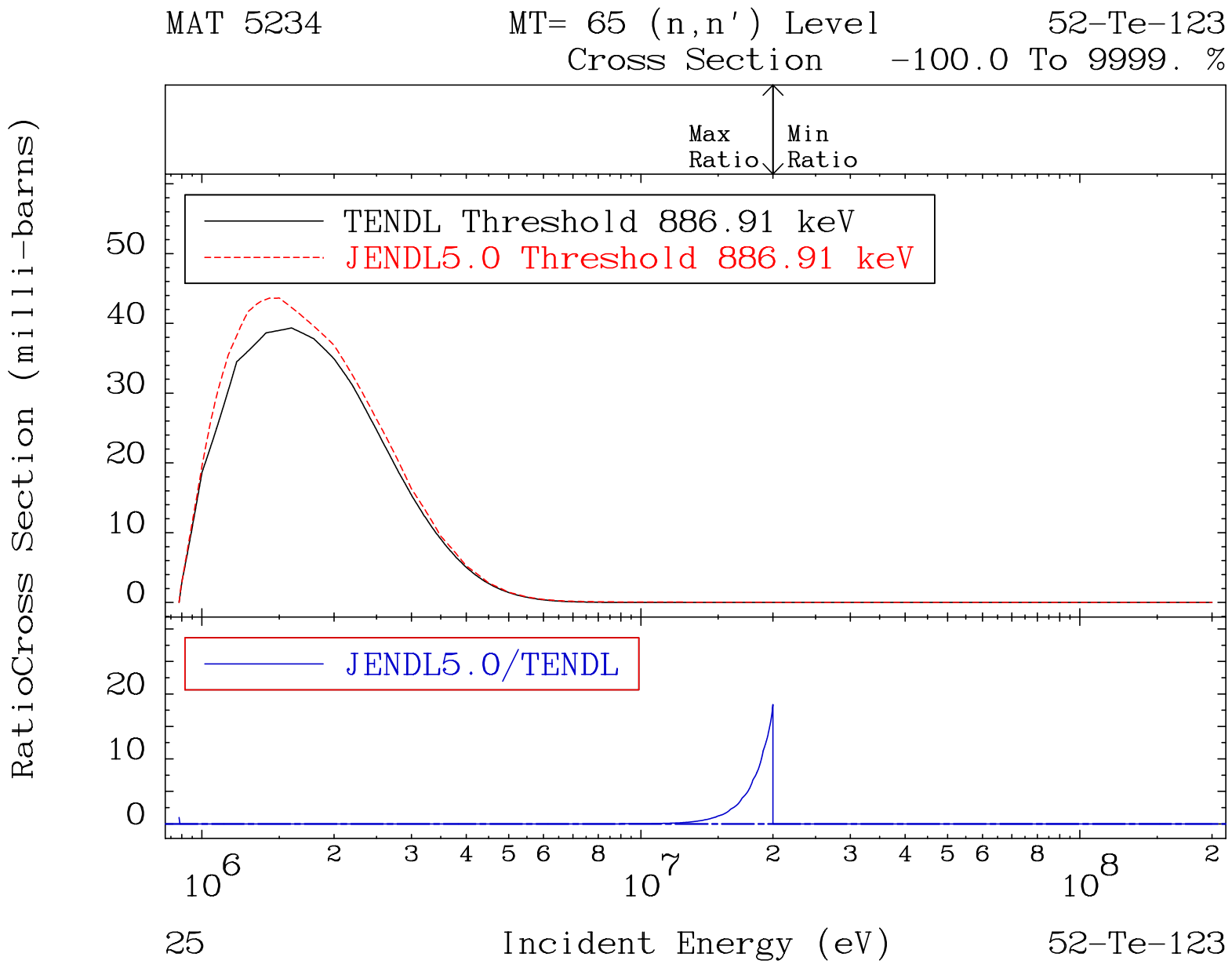

MAT 5234
MT= 60 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 703.22 keV
JENDL5.0 Threshold 703.22 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
80
40
0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
20
Incident Energy (eV)
52-Te-123

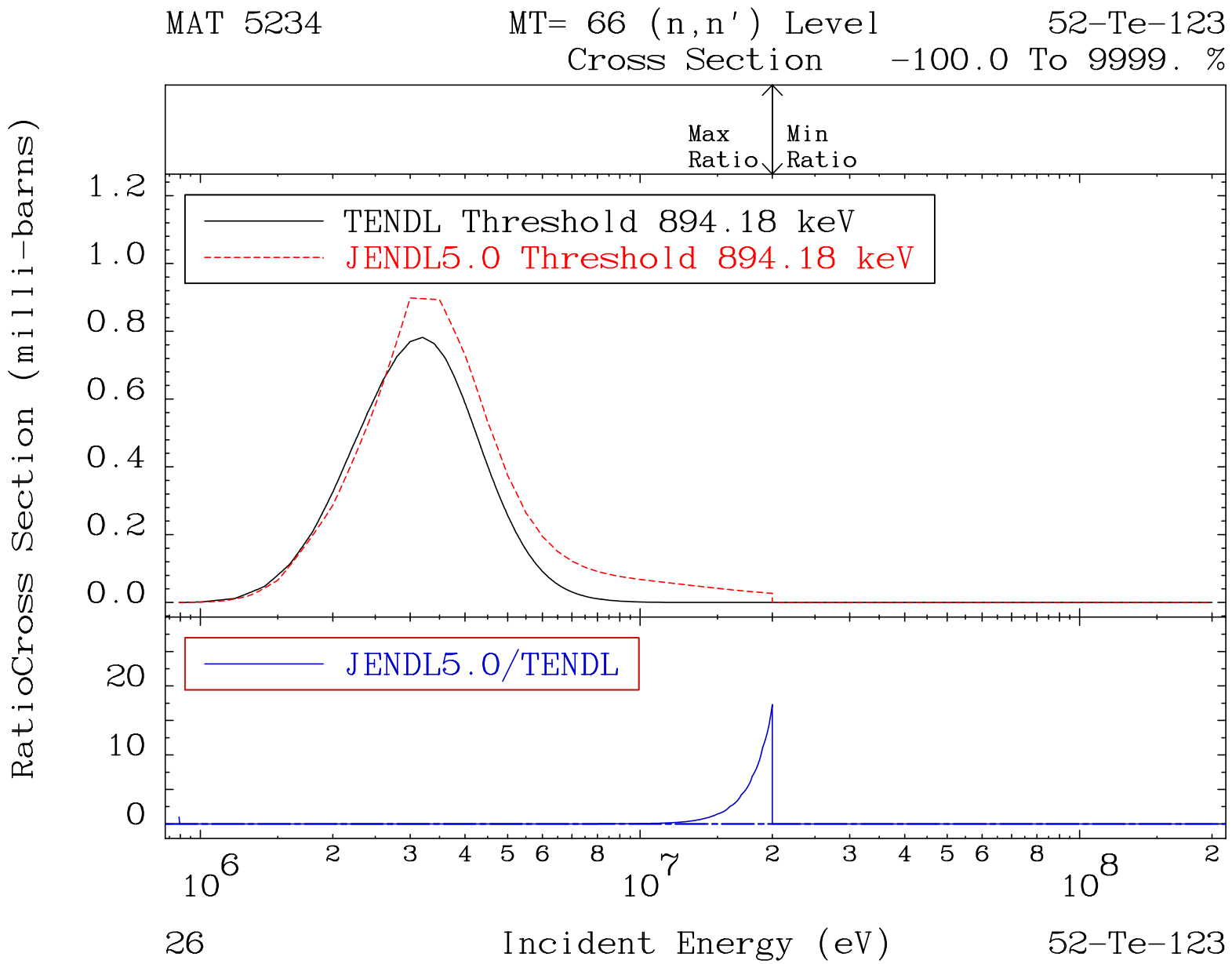

MAT 5234
MT= 61 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 775.57 keV
JENDL5.0 Threshold 775.57 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
120
60
0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
21
Incident Energy (eV)
52-Te-123

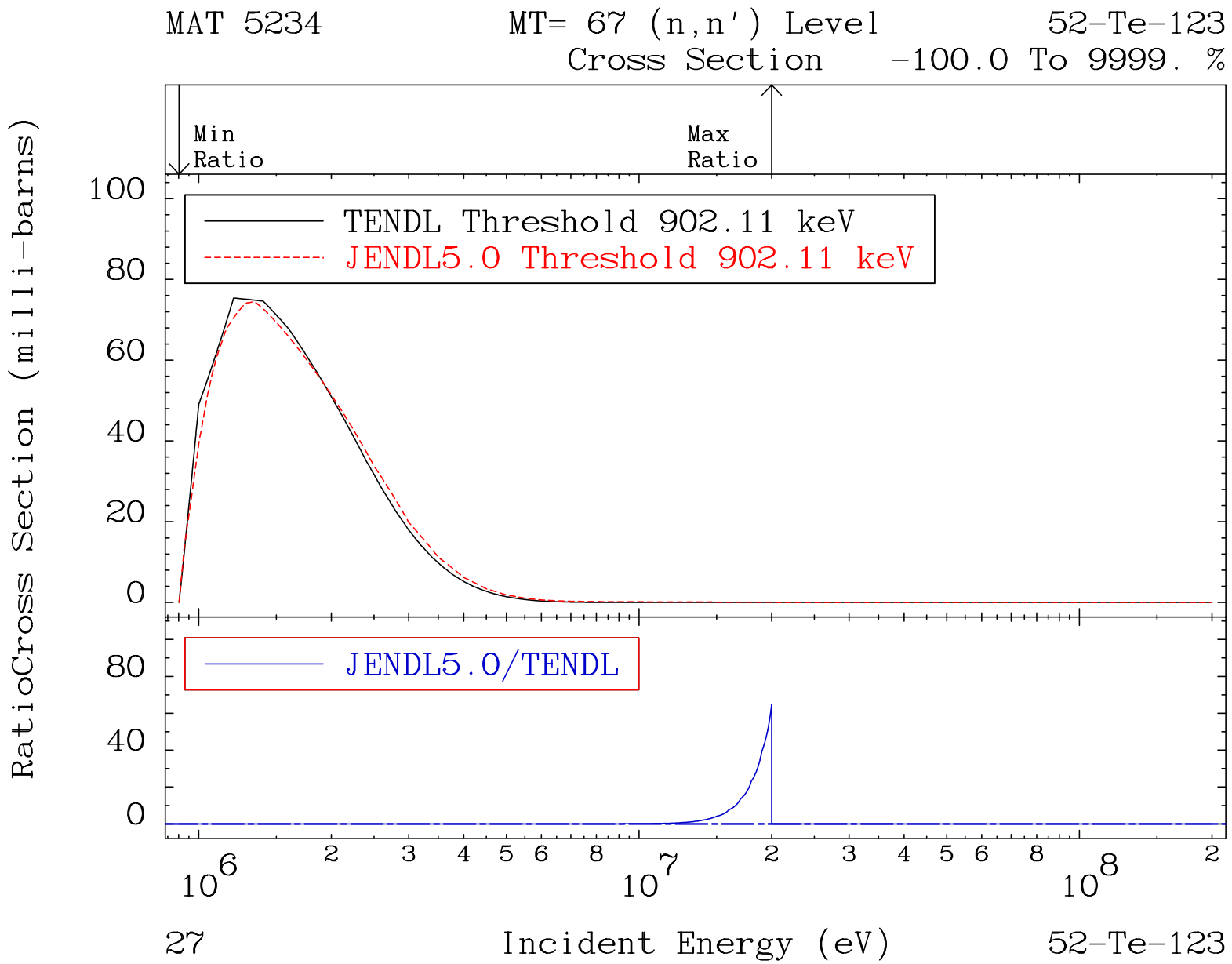

MAT 5234
MT= 62 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 790.05 keV
JENDL5.0 Threshold 790.05 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
200
100
0
8
2
3
4
5
6
8
10^6
10^7
10^8
22
Incident Energy (eV)
52-Te-123

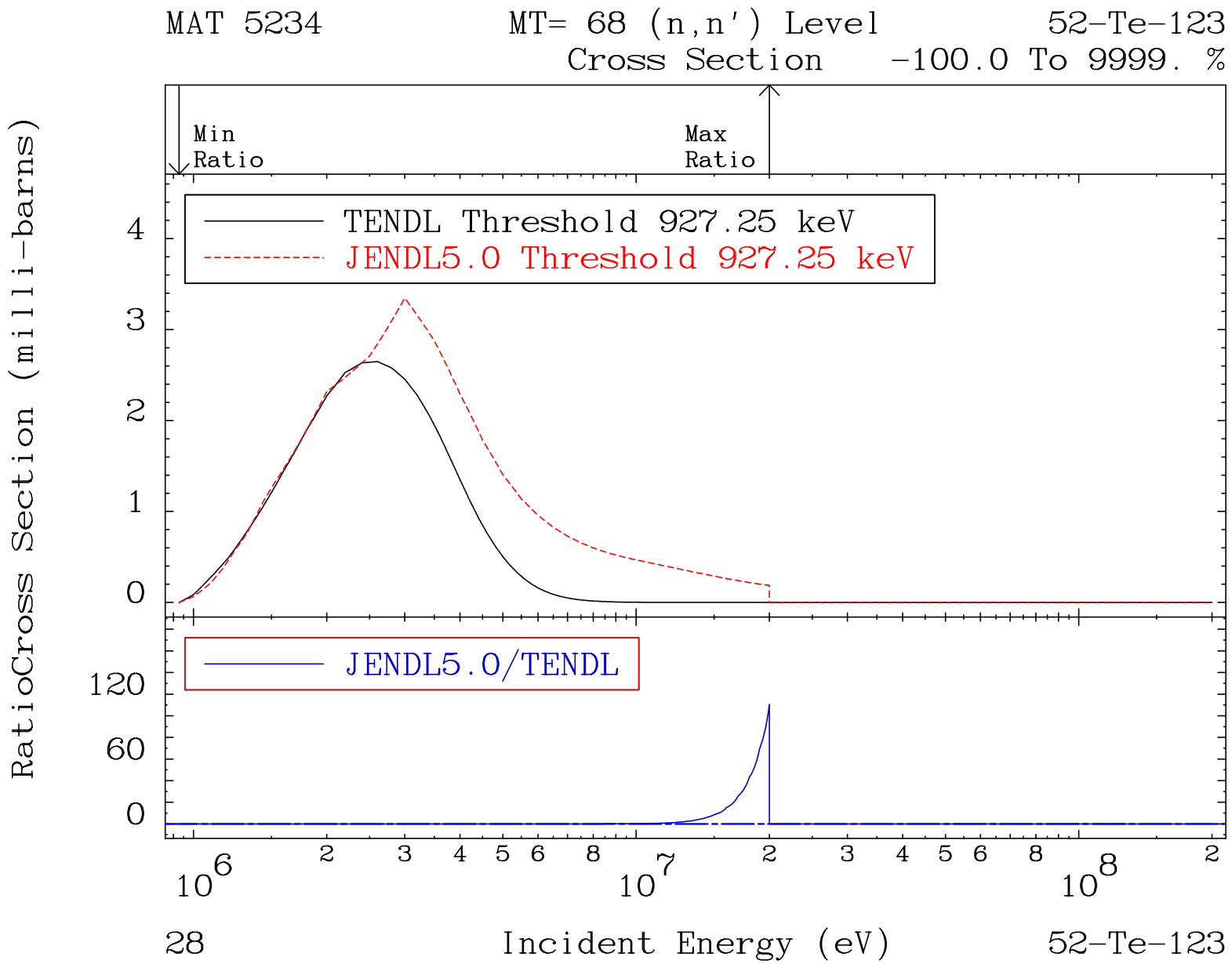

MAT 5234
MT= 63 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 869.19 keV
JENDL5.0 Threshold 869.19 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
100
0
10^6
10^7
10^8
2 3 4 5 6 8
23
Incident Energy (eV)
52-Te-123

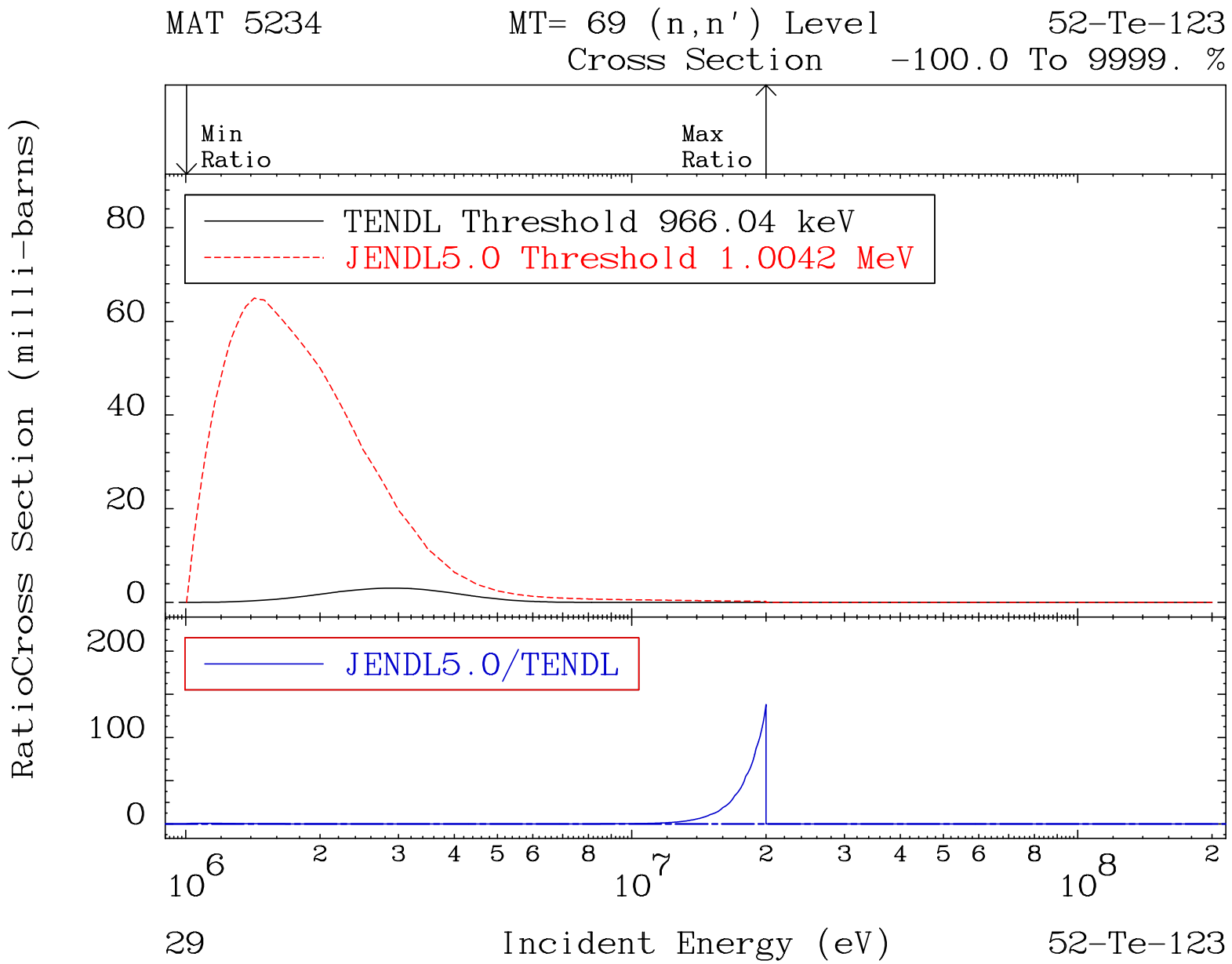

MAT 5234
MT= 64 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 878.09 keV
JENDL5.0 Threshold 878.36 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
20
0
2
3
4
5
6
8
10^6
10^7
10^8
24
Incident Energy (eV)
52-Te-123

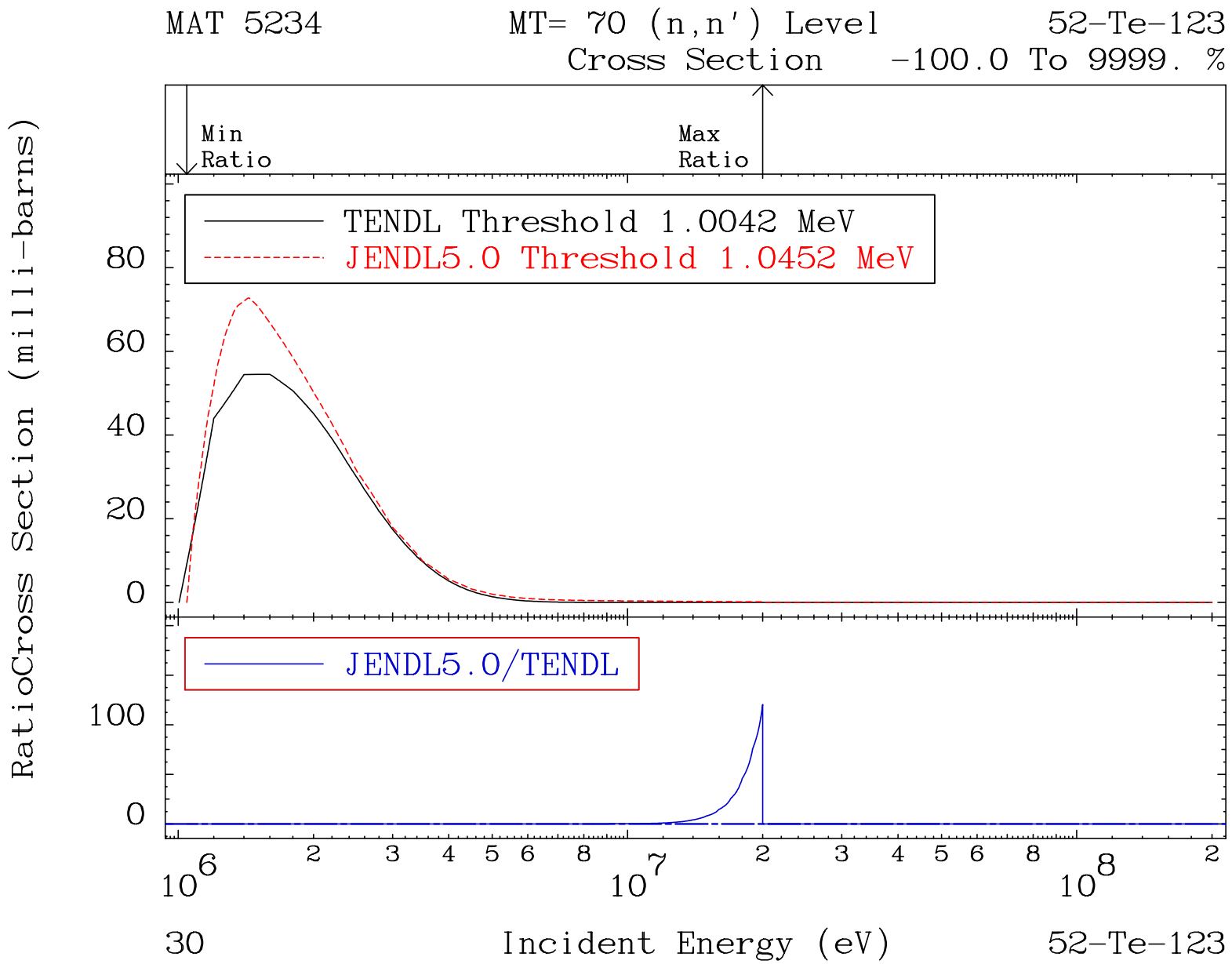

MAT 5234
MT= 65 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 886.91 keV
JENDL5.0 Threshold 886.91 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
25
52-Te-123

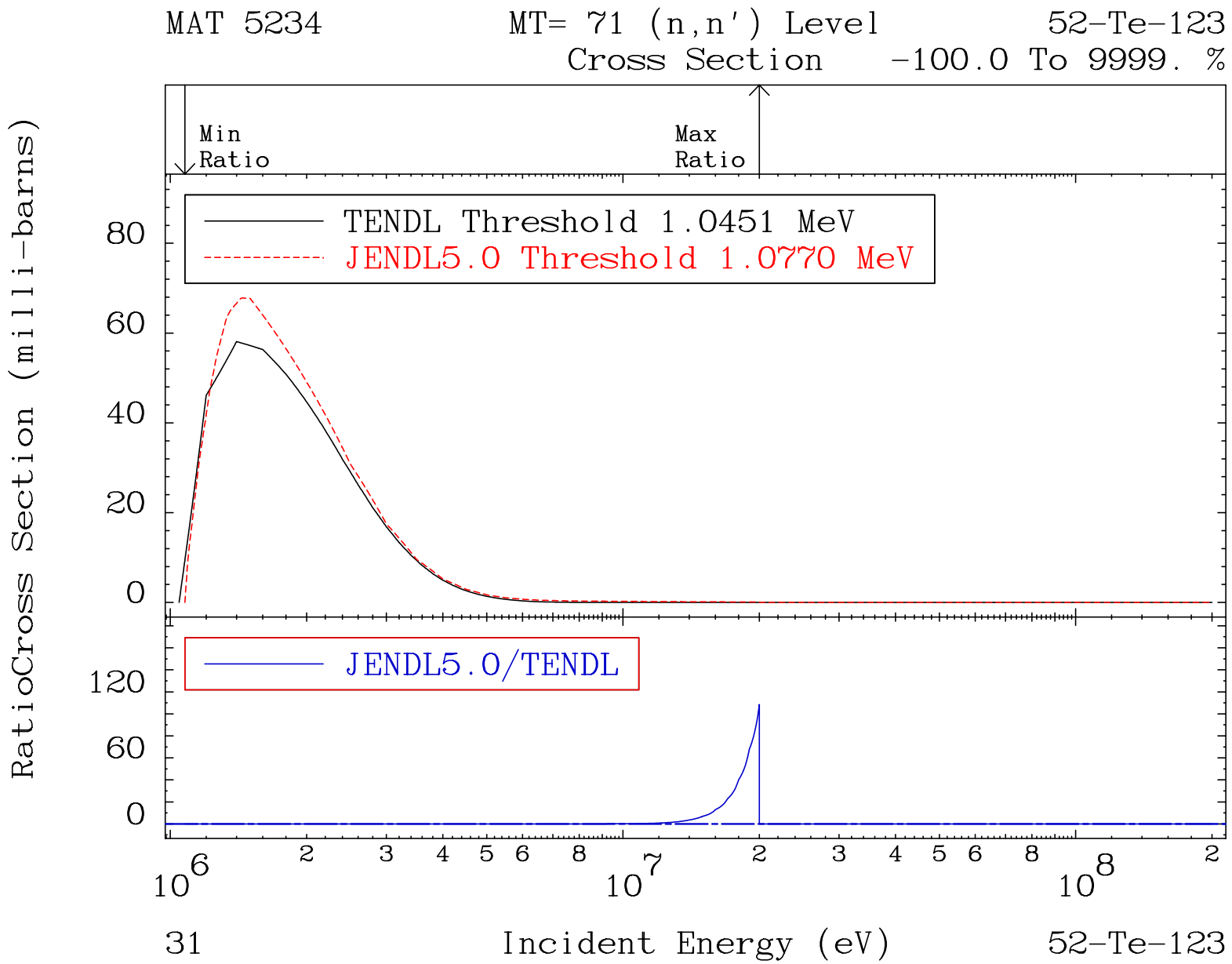

MAT 5234
MT= 66 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 894.18 keV
JENDL5.0 Threshold 894.18 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
20
10
0
10^6
10^7
10^8
2 3 4 5 6 8
Incident Energy (eV)
26
52-Te-123

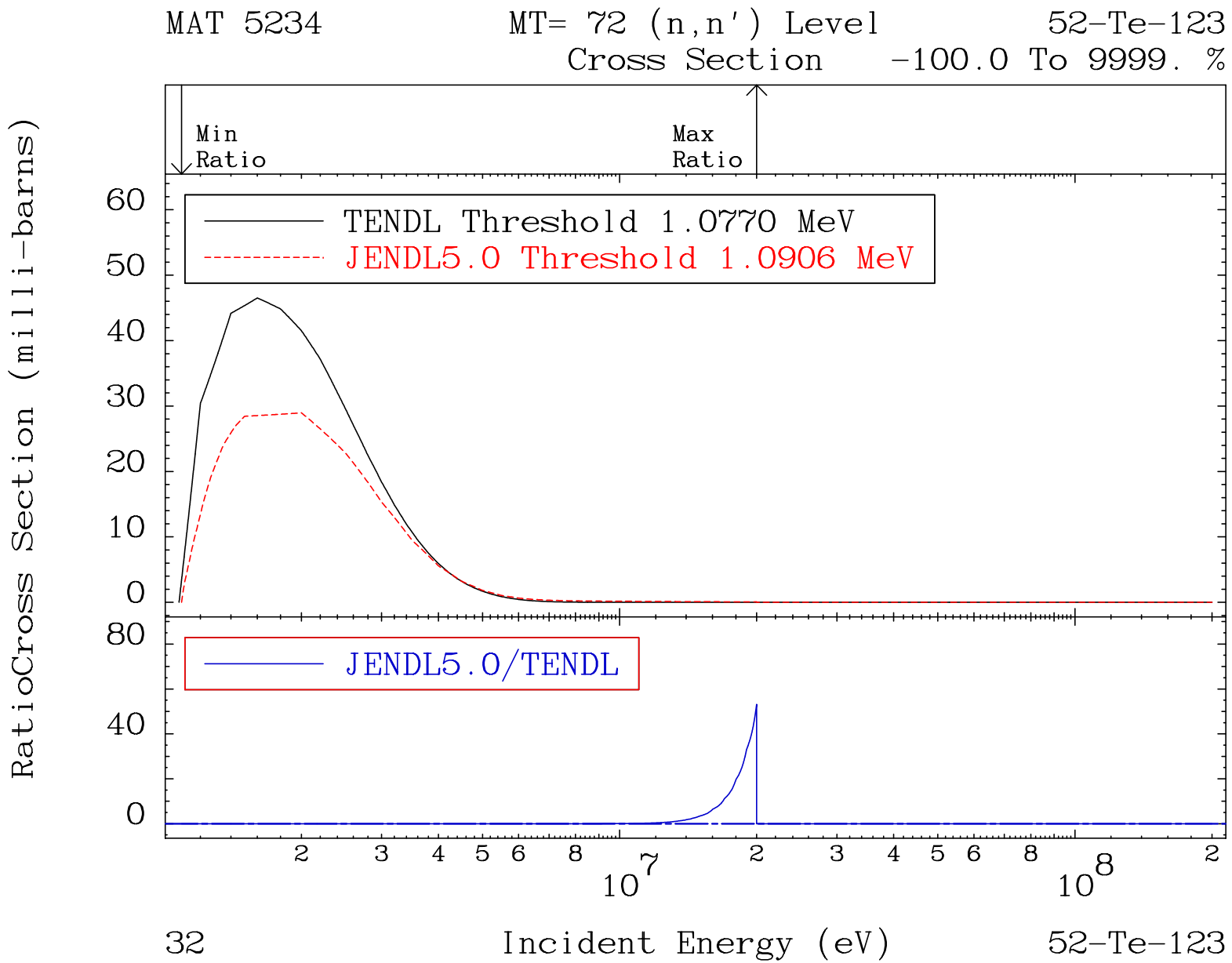

MAT 5234
MT= 67 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 902.11 keV
JENDL5.0 Threshold 902.11 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
80
40
0
10^6
10^7
10^8
2
3
4
5
6
8
Incident Energy (eV)
27
52-Te-123

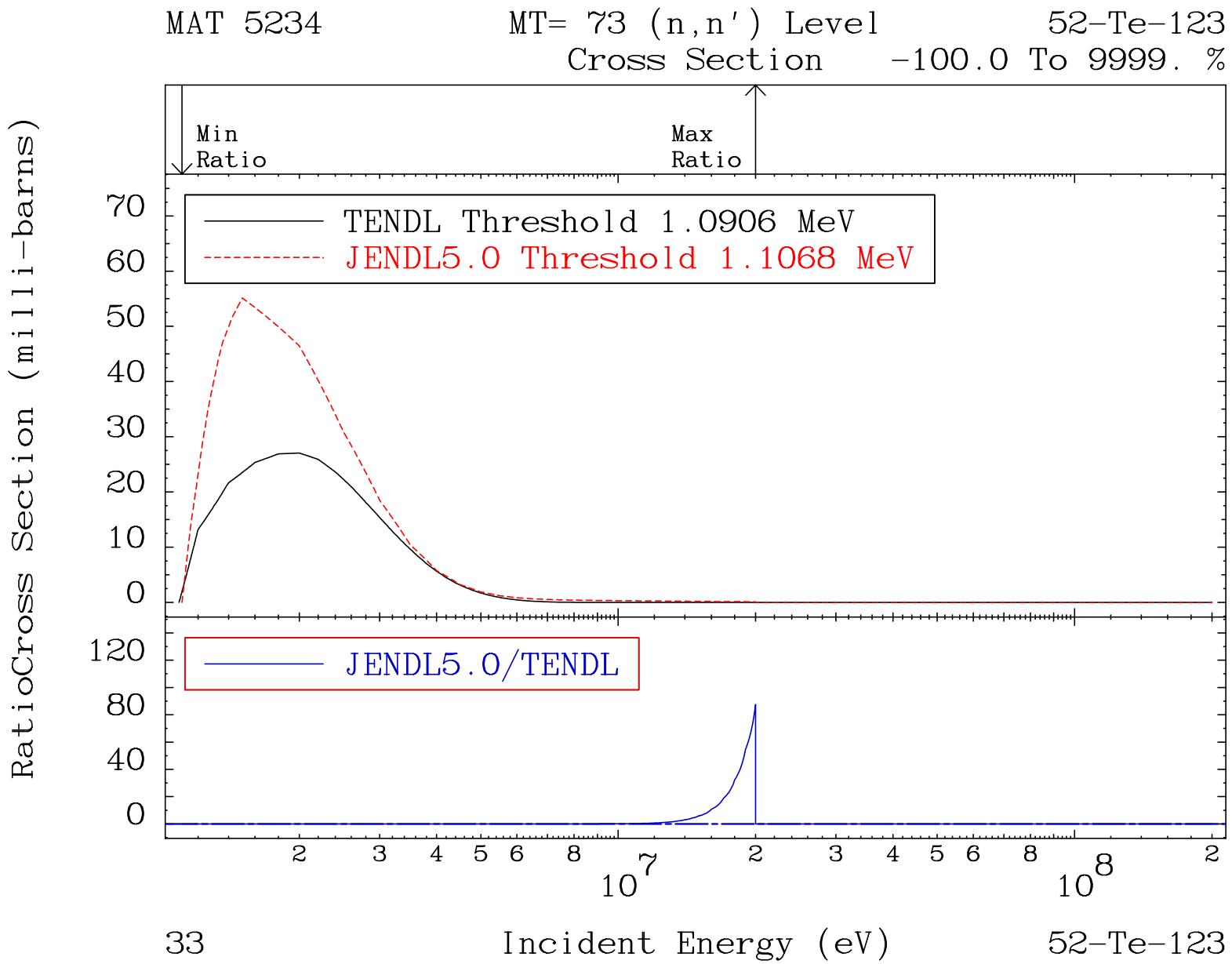

MAT 5234
MT= 68 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 927.25 keV
JENDL5.0 Threshold 927.25 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
28
52-Te-123

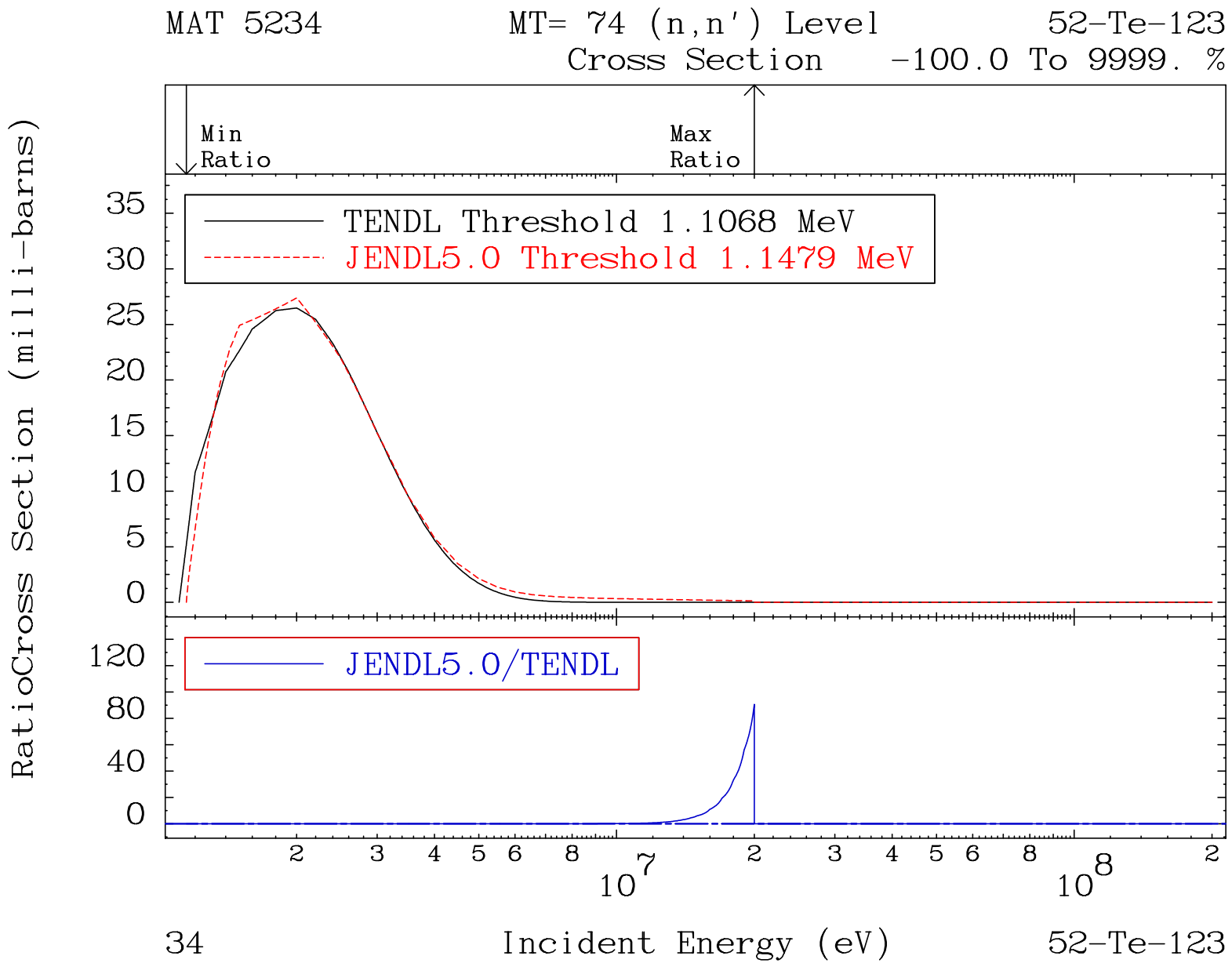

MAT 5234
MT= 69 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 966.04 keV
JENDL5.0 Threshold 1.0042 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
200
100
0
10^6
2 3 4 5 6 8
10^7
2 3 4 5 6 8
10^8
2
29
Incident Energy (eV)
52-Te-123

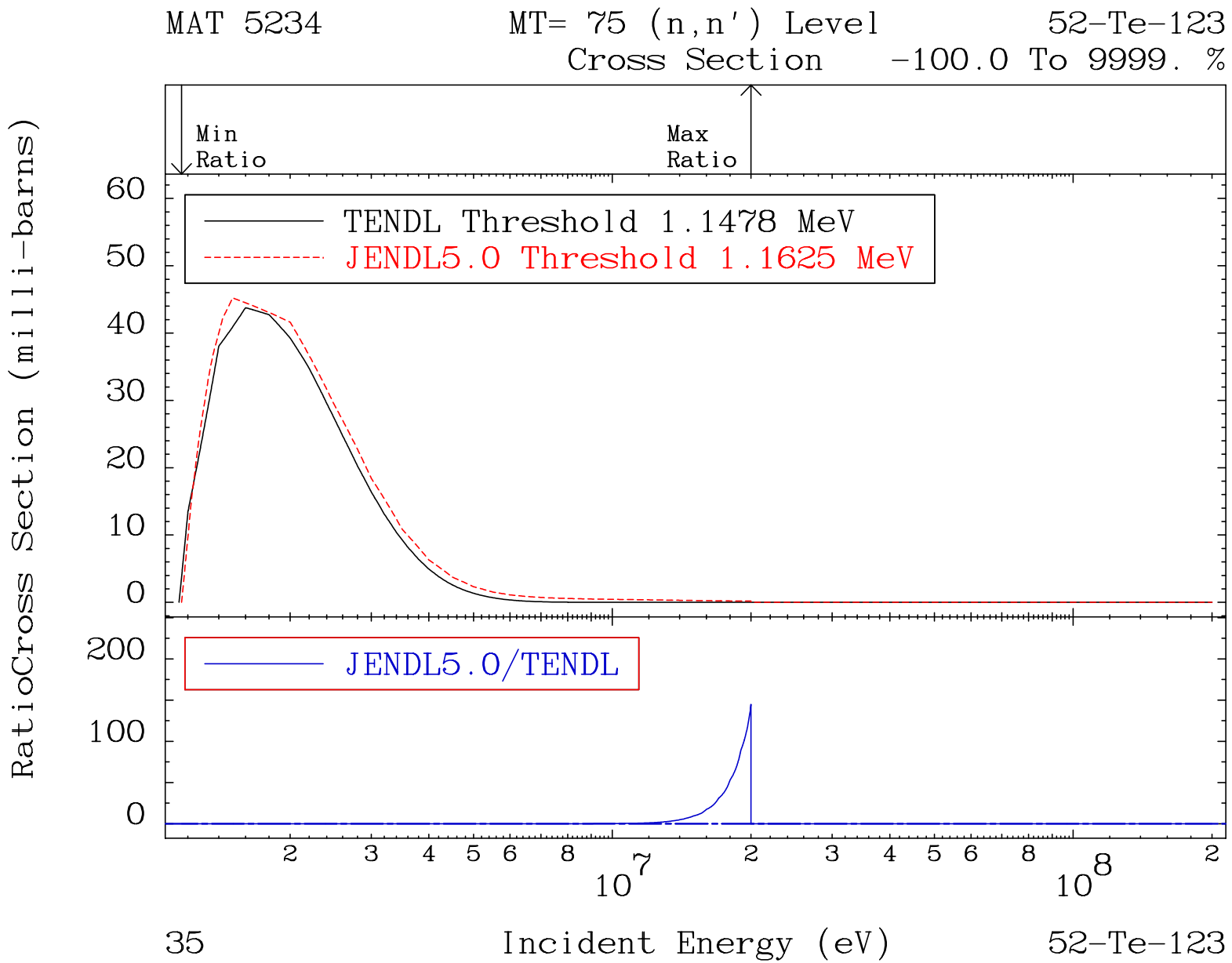

MAT 5234
MT= 70 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0042 MeV
JENDL5.0 Threshold 1.0452 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
100
0
10^6
10^7
10^8
2 3 4 5 6 8
Incident Energy (eV)
30
52-Te-123

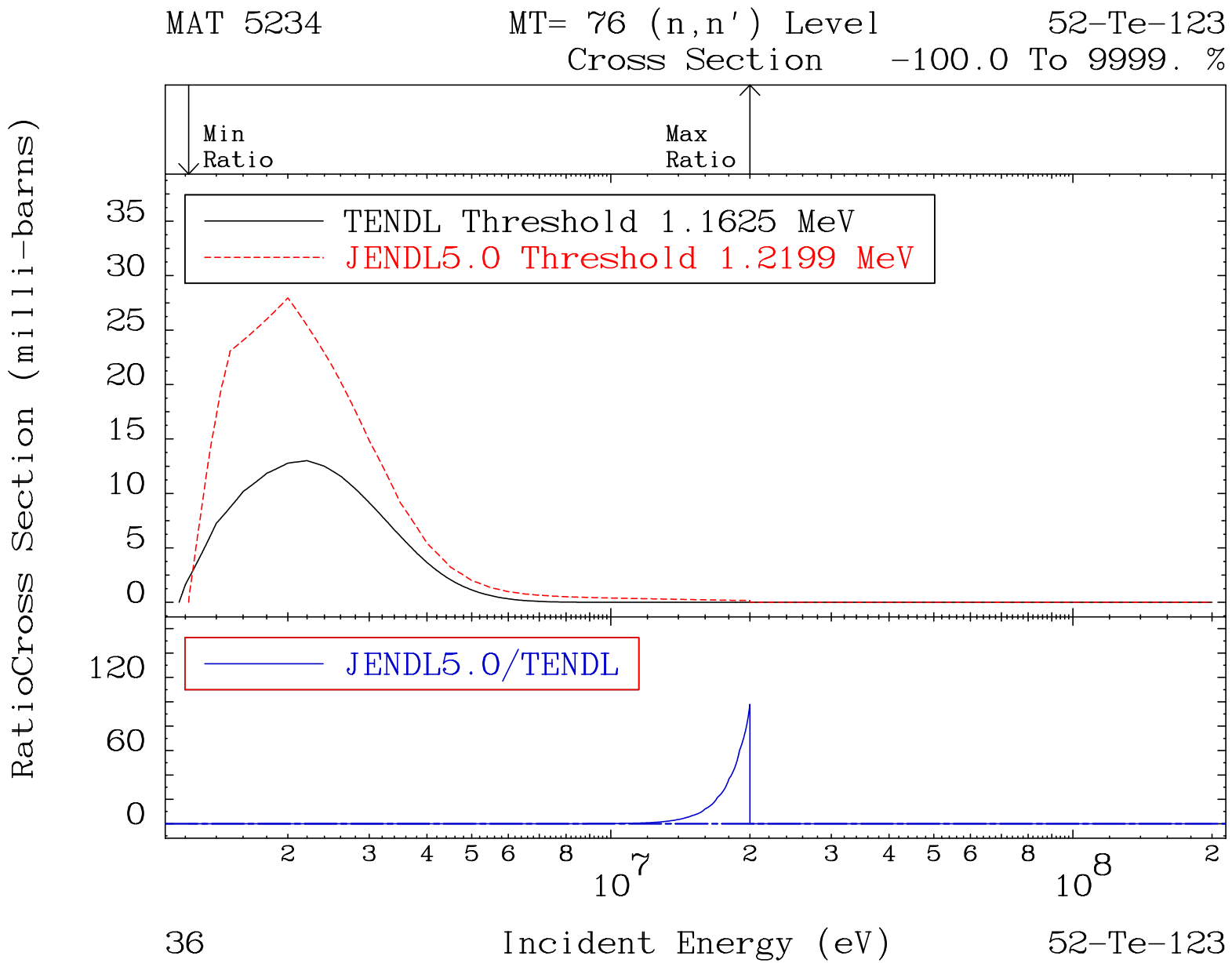

MAT 5234
MT= 71 (n,n') Level
52-Te-123
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0451 MeV
JENDL5.0 Threshold 1.0770 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
120
60
0
2 3 4 5 6 8
10^6
10^7
10^8
31
Incident Energy (eV)
52-Te-123

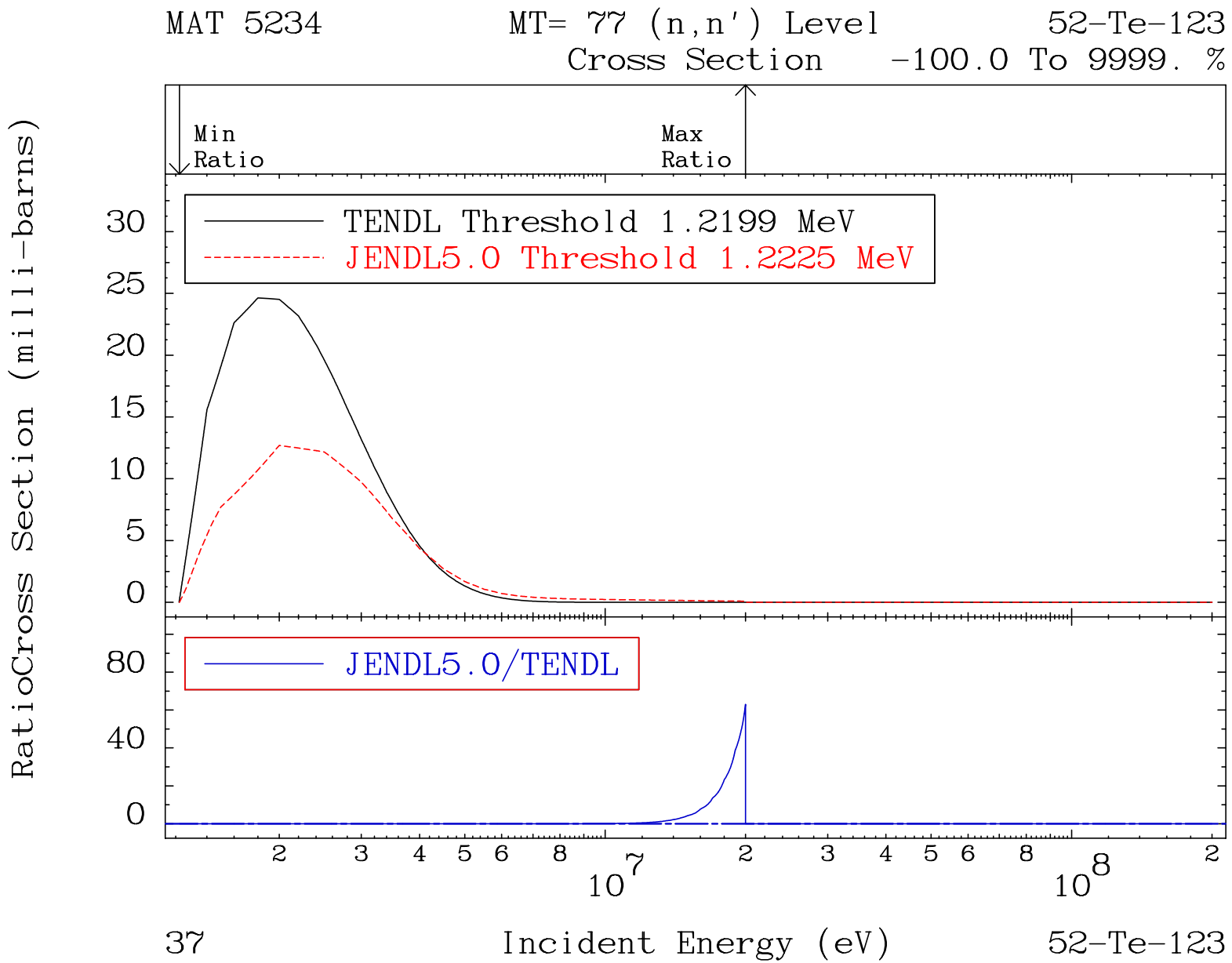

MAT 5234
MT= 72 (n,n') Level
52-Te-123
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0770 MeV
JENDL5.0 Threshold 1.0906 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
80
40
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
32
Incident Energy (eV)
52-Te-123

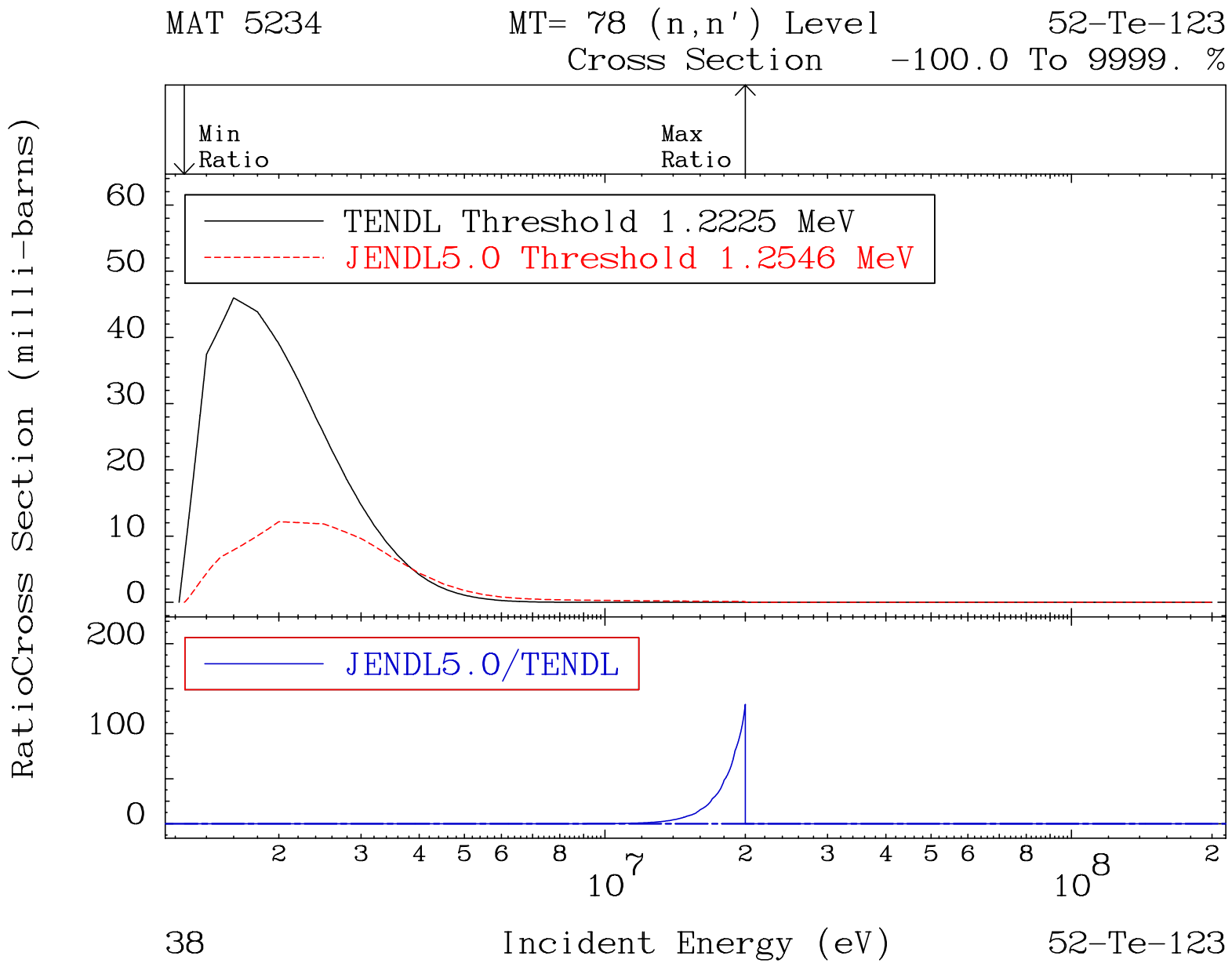

MAT 5234
MT= 73 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.0906 MeV
JENDL5.0 Threshold 1.1068 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
120
80
40
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
33
Incident Energy (eV)
52-Te-123

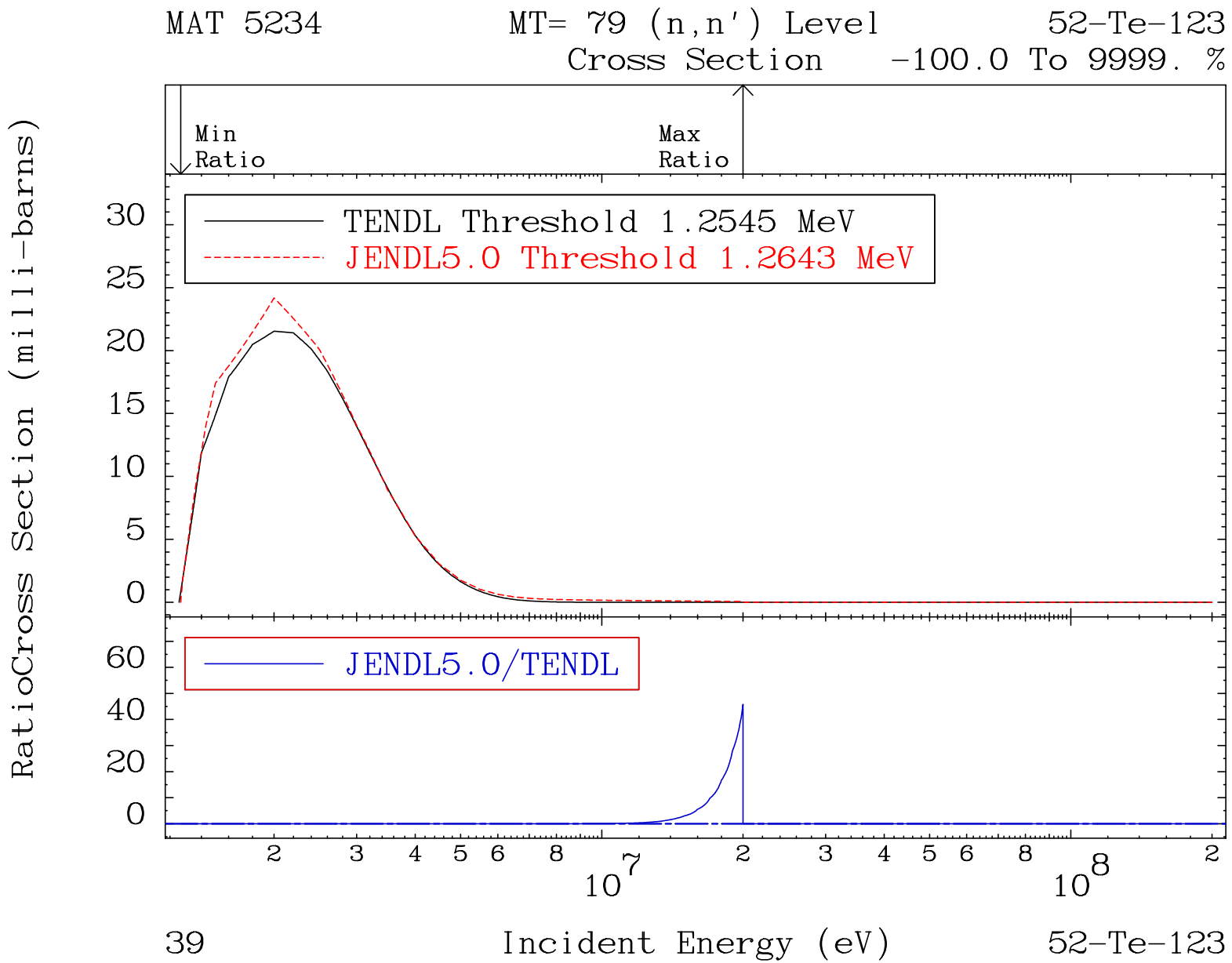

MAT 5234
MT= 74 (n,n') Level
52-Te-123
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1068 MeV
JENDL5.0 Threshold 1.1479 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
120
80
40
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
34
Incident Energy (eV)
52-Te-123

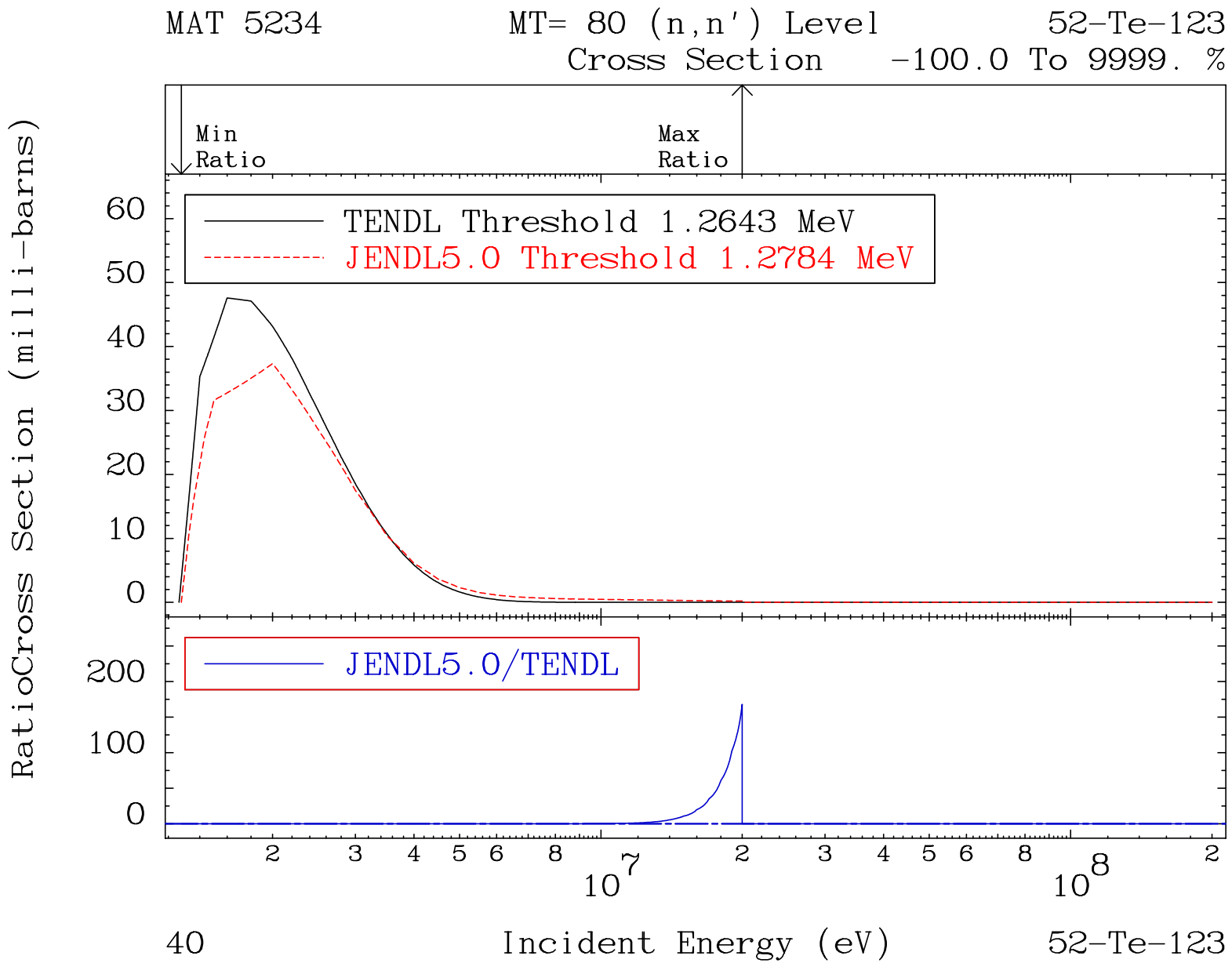

MAT 5234
MT= 75 (n,n') Level
52-Te-123
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1478 MeV
JENDL5.0 Threshold 1.1625 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
35
Incident Energy (eV)
52-Te-123

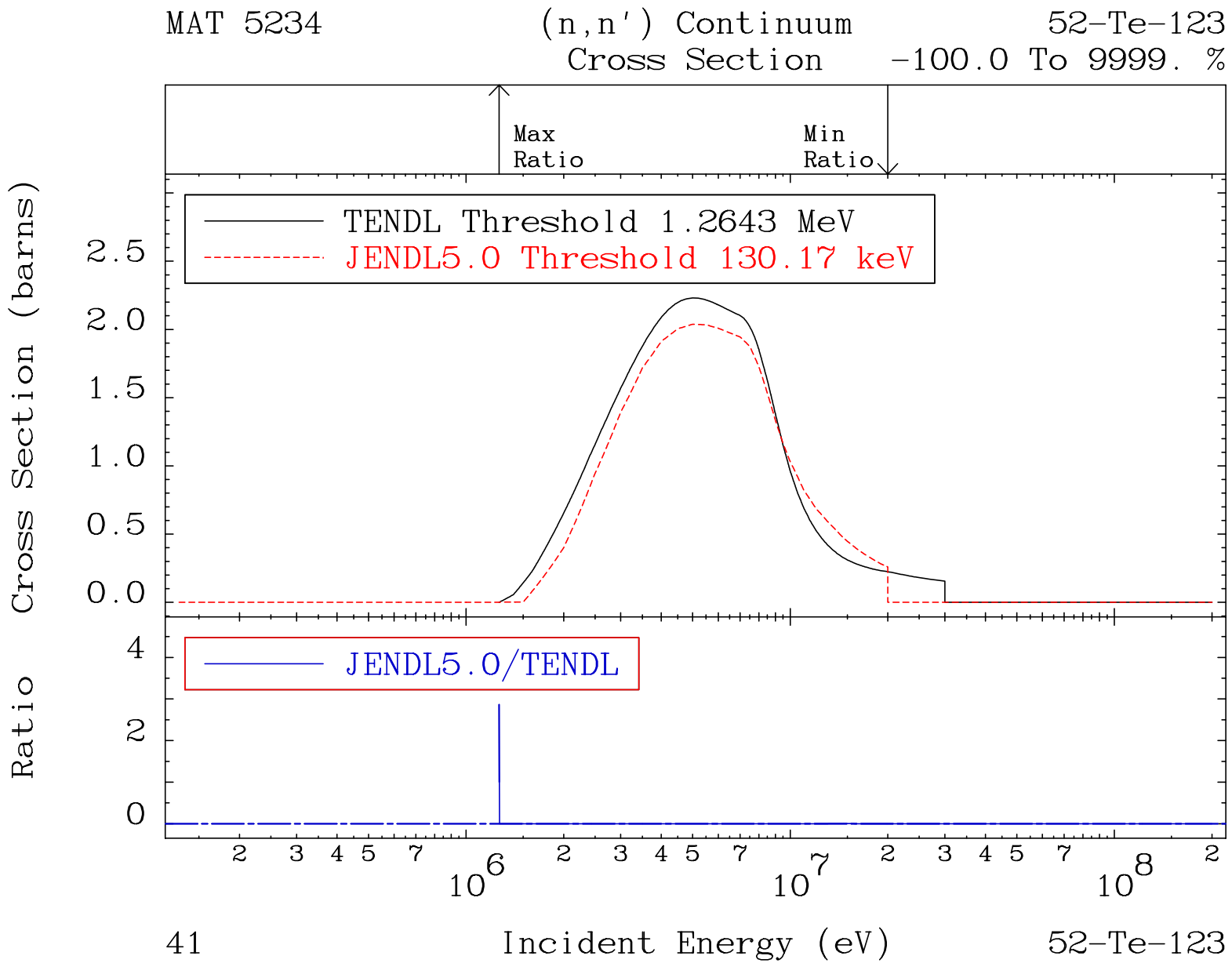

MAT 5234
MT= 76 (n,n') Level
52-Te-123
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.1625 MeV
JENDL5.0 Threshold 1.2199 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
120
60
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
36
Incident Energy (eV)
52-Te-123

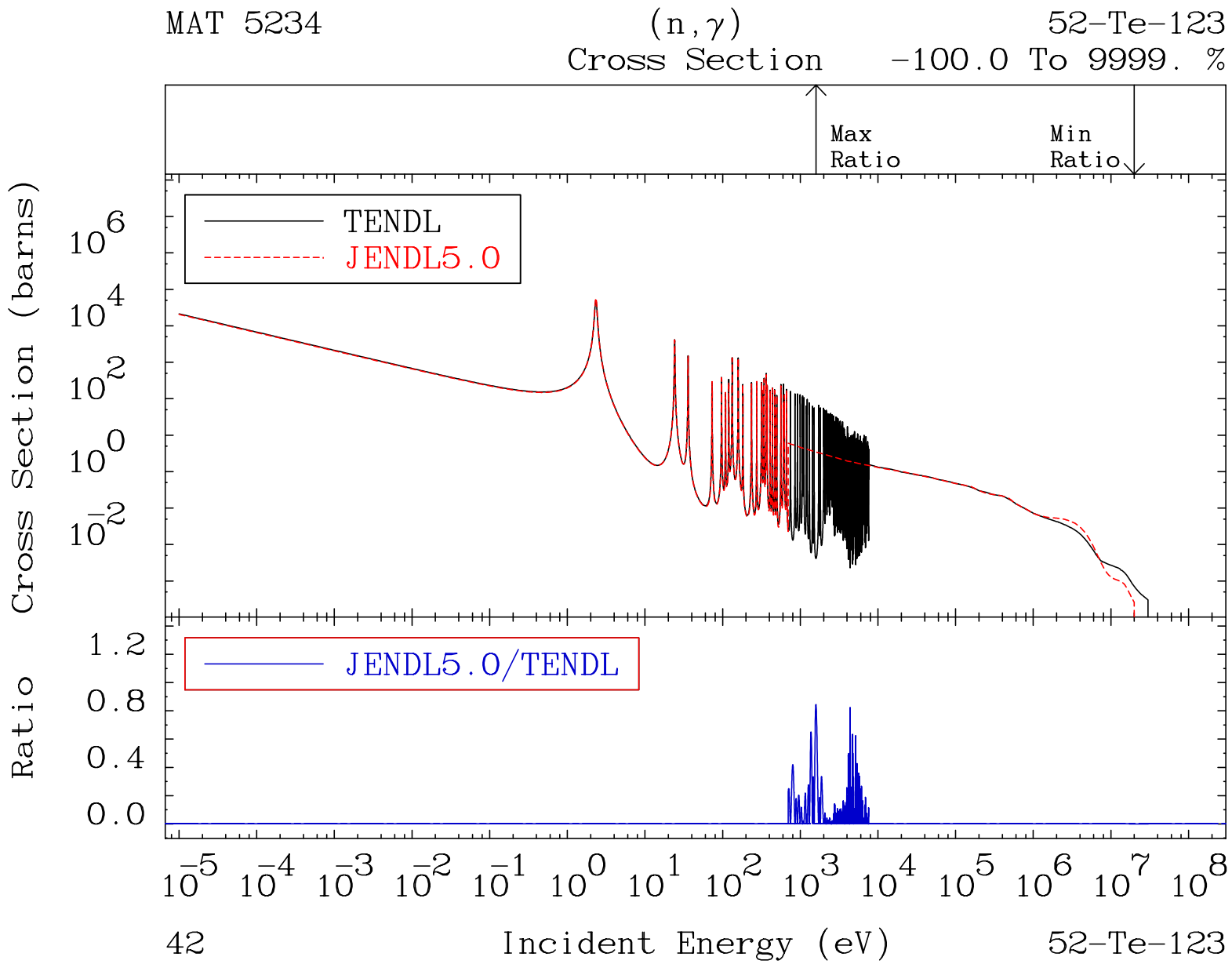

MAT 5234
MT= 77 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.2199 MeV
JENDL5.0 Threshold 1.2225 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
80
40
0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
37
Incident Energy (eV)
52-Te-123

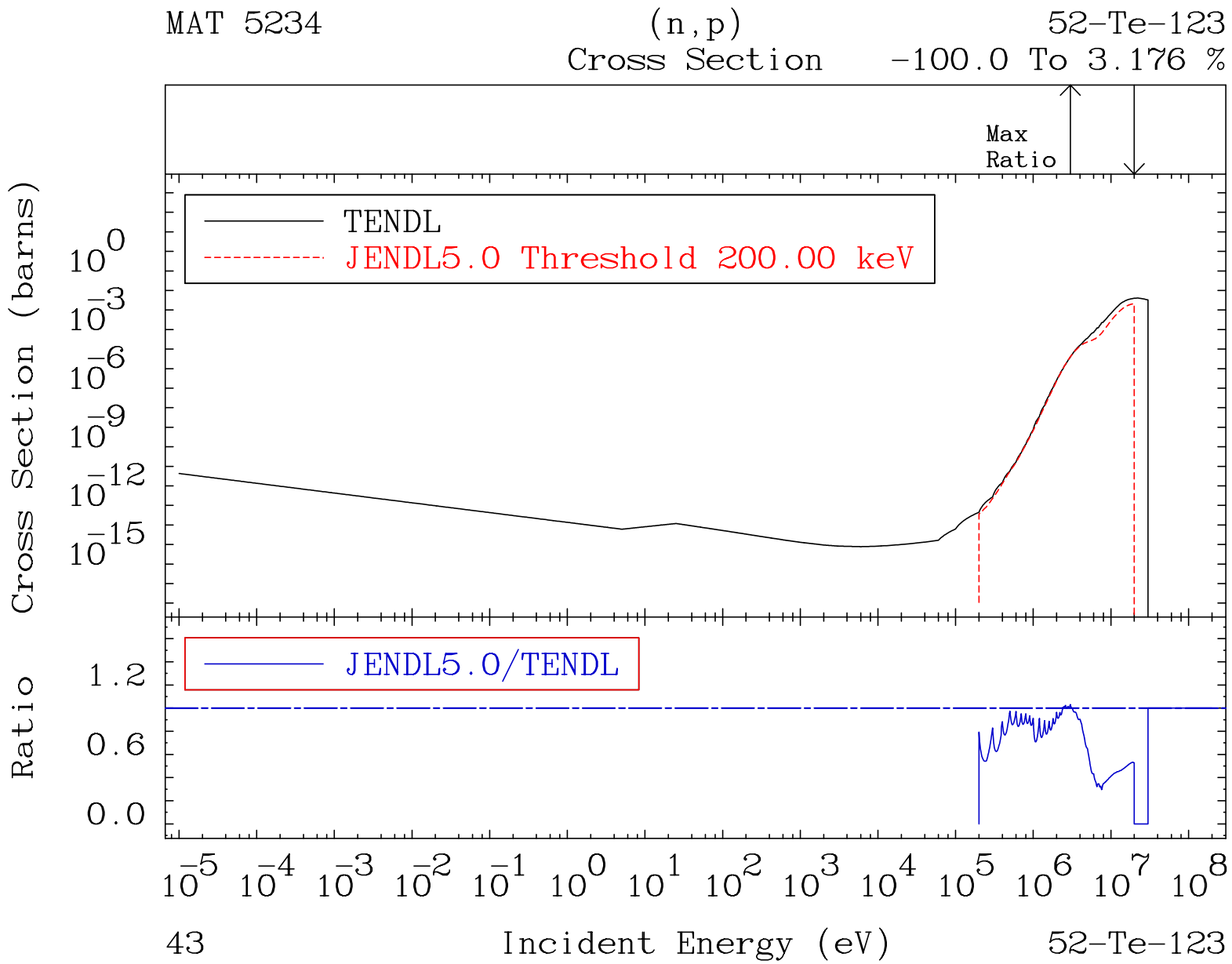

MAT 5234
MT= 78 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.2225 MeV
JENDL5.0 Threshold 1.2546 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
38
Incident Energy (eV)
52-Te-123

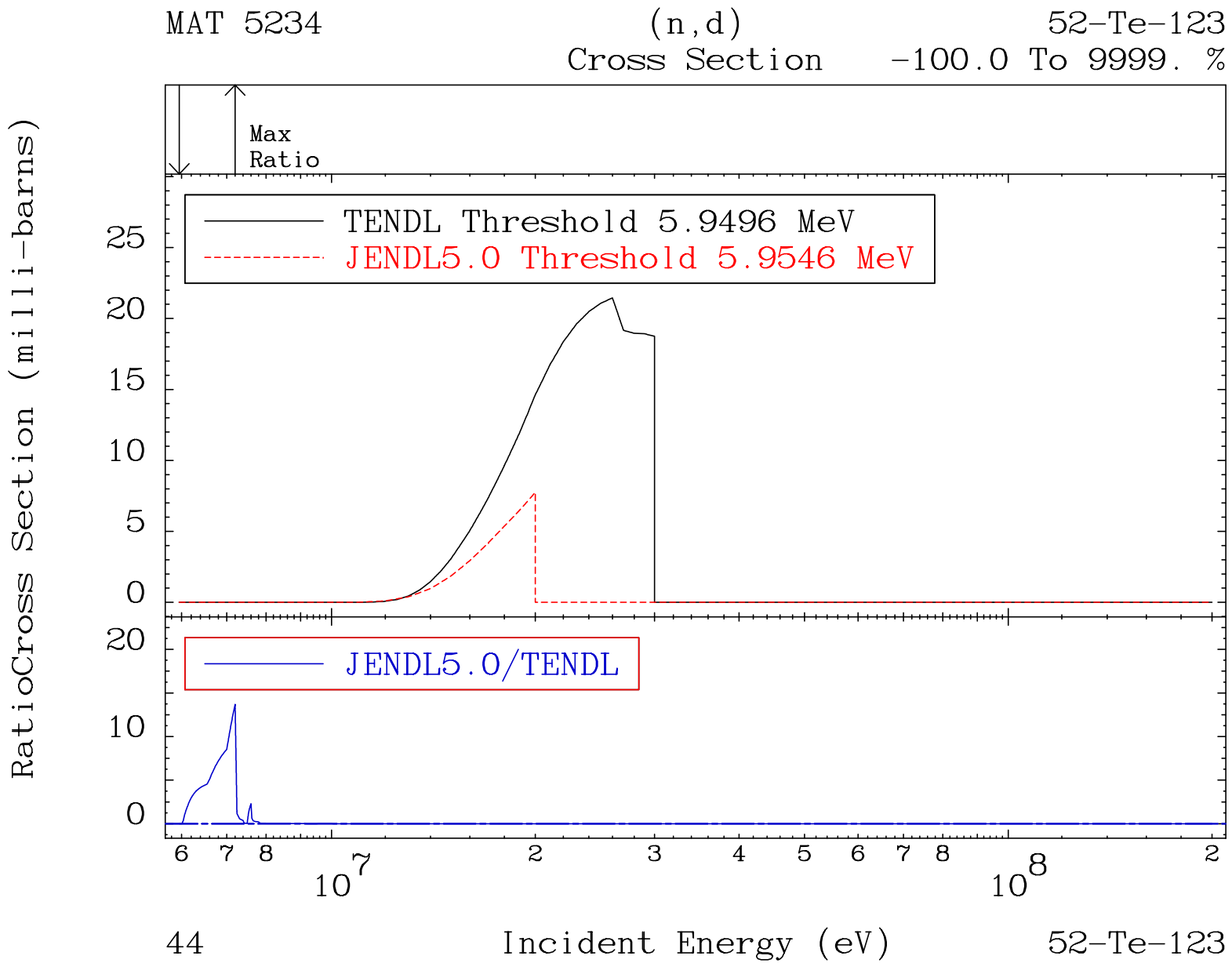

MAT 5234
MT= 79 (n,n') Level
52-Te-123
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.2545 MeV
JENDL5.0 Threshold 1.2643 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
60
40
20
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
39
Incident Energy (eV)
52-Te-123

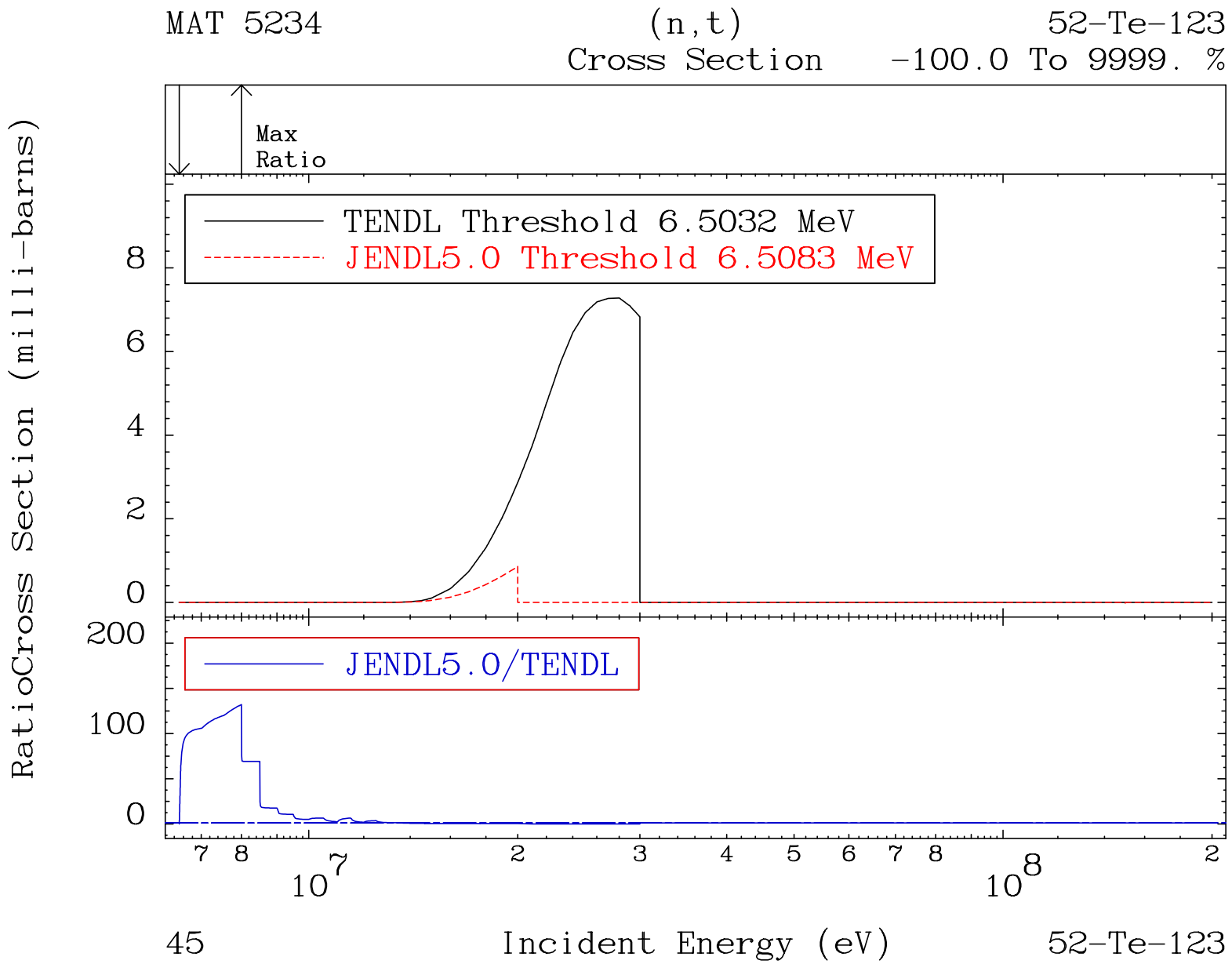

MAT 5234
MT= 80 (n,n') Level
52-Te-123
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.2643 MeV
JENDL5.0 Threshold 1.2784 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
200
100
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
40
Incident Energy (eV)
52-Te-123

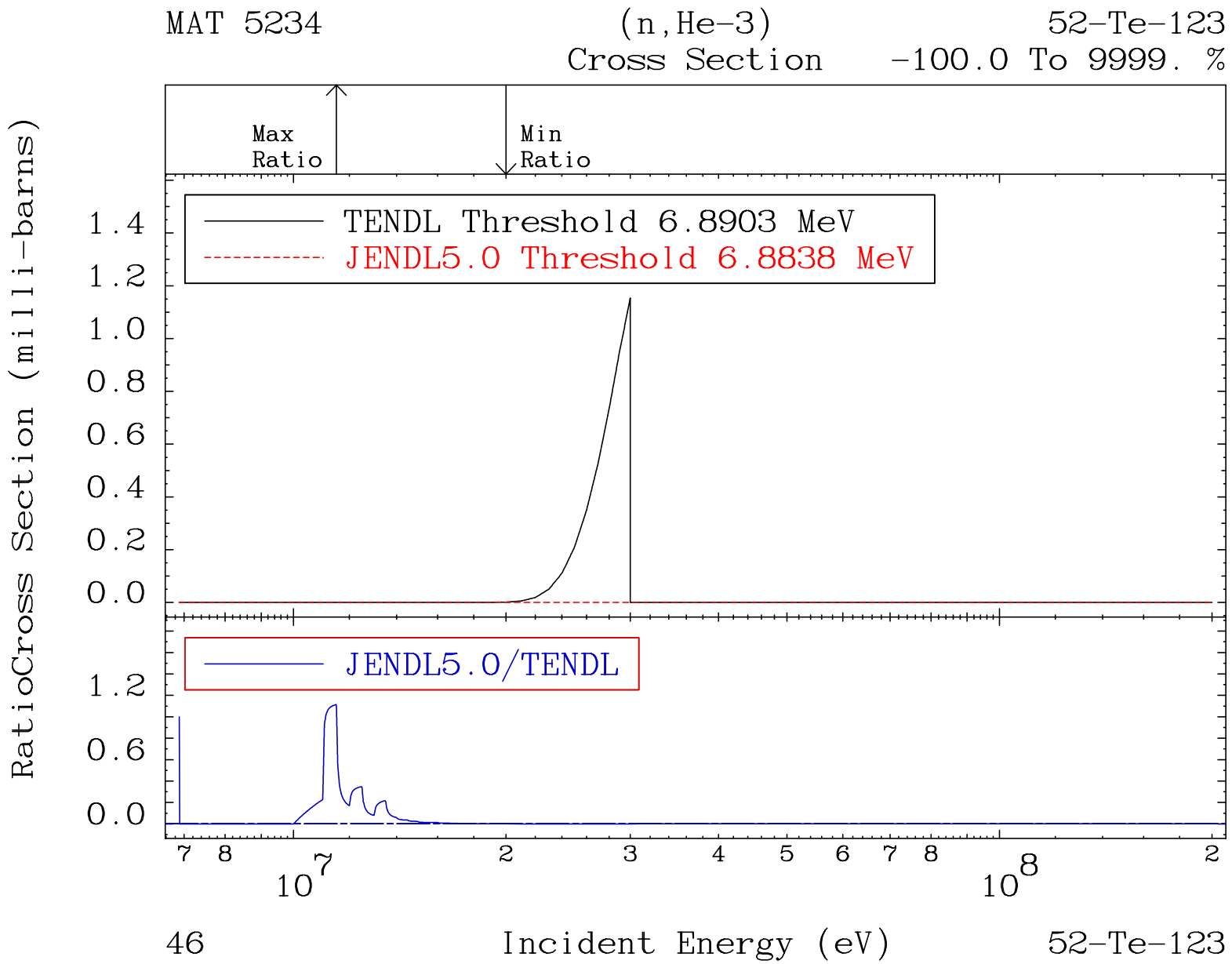

MAT 5234
(n,n') Continuum
Cross Section
52-Te-123
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.2643 MeV
JENDL5.0 Threshold 130.17 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
4
2
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
41
Incident Energy (eV)
52-Te-123

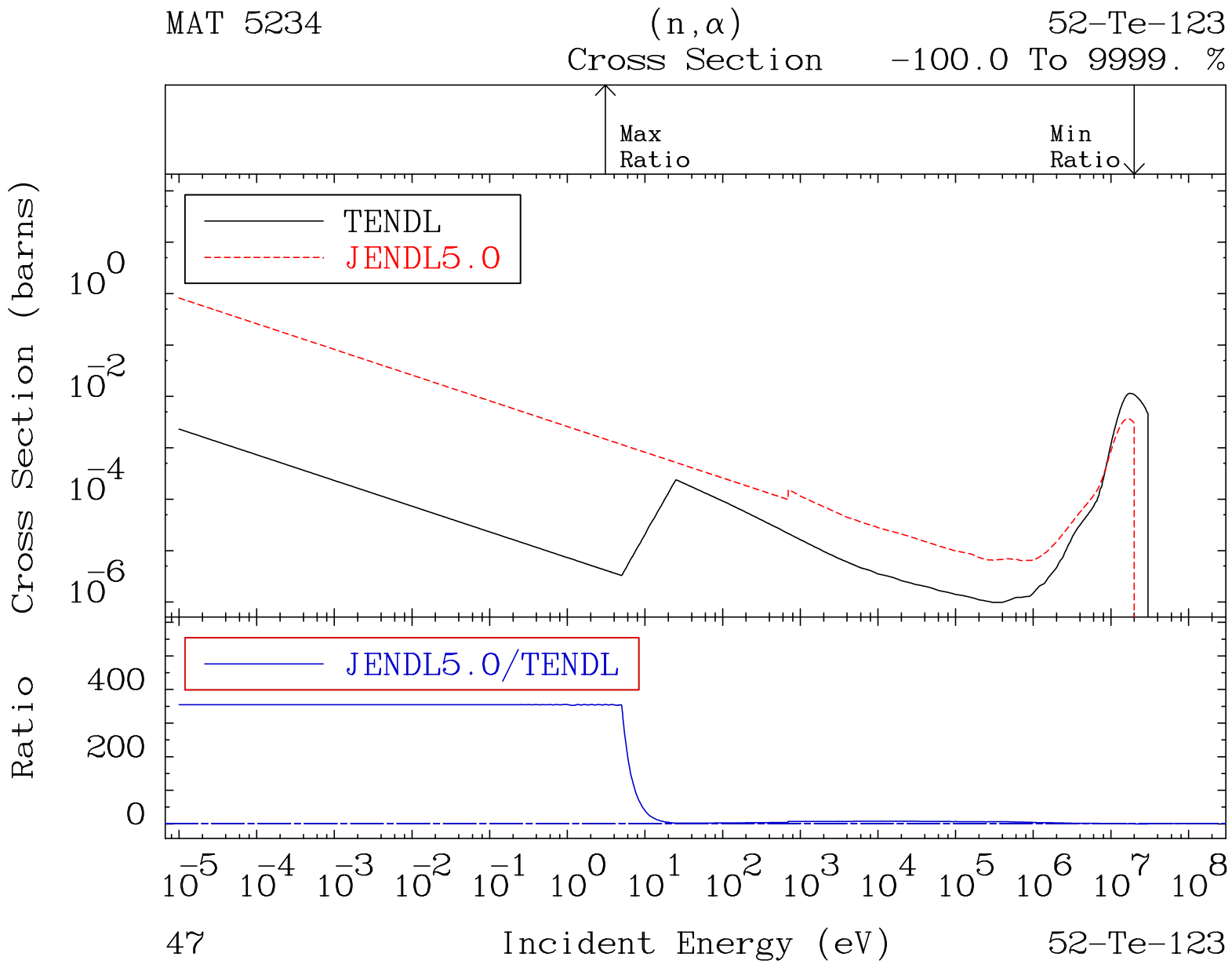

MAT 5234
(n,γ)
Cross Section
52-Te-123
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
42
52-Te-123

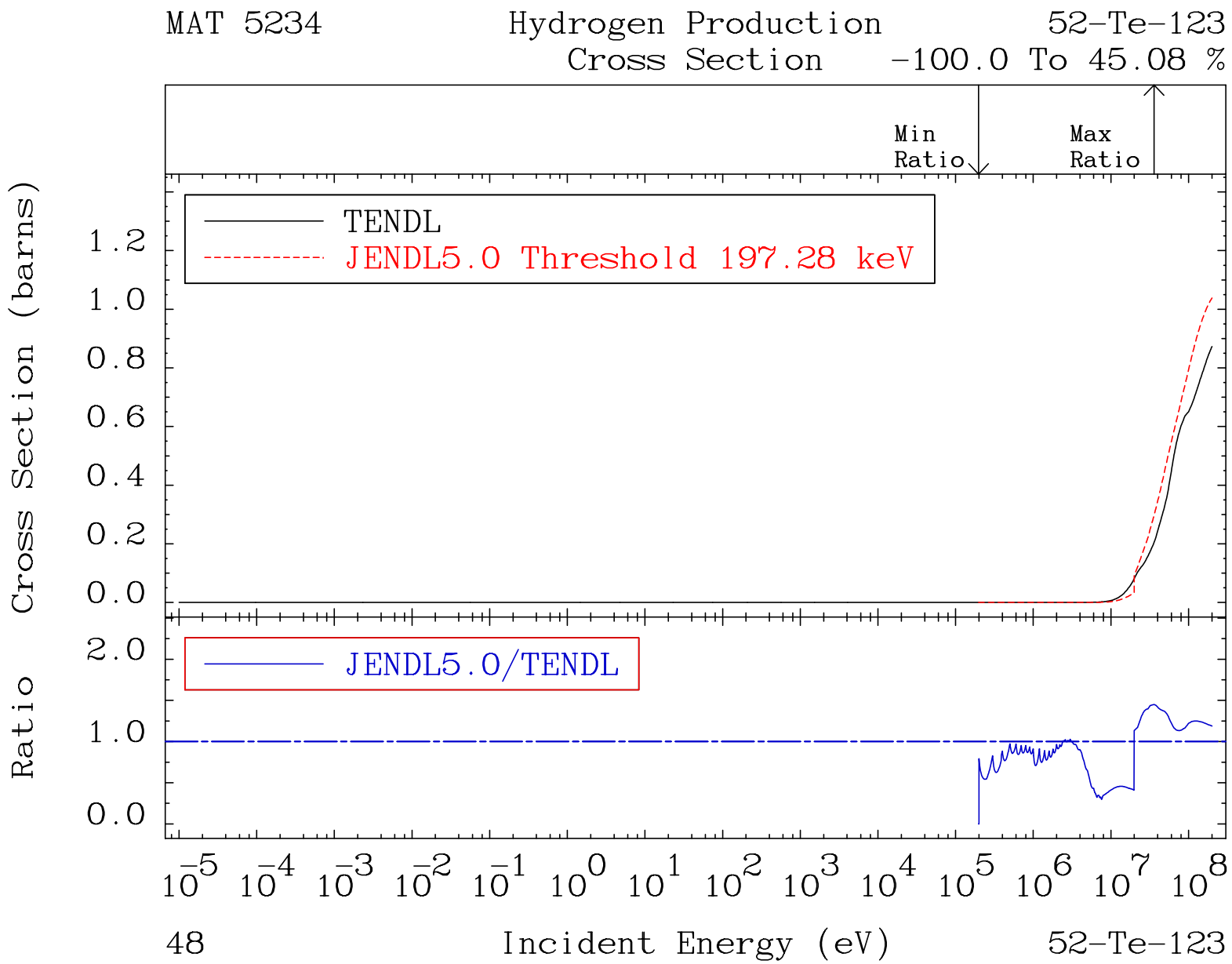

MAT 5234
(n,p)
Cross Section
52-Te-123
-100.0 To 3.176 %
Max
Ratio
TENDL
JENDL5.0 Threshold 200.00 keV
Cross Section (barns)
10^0
10^-3
10^-6
10^-9
10^-12
10^-15
JENDL5.0/TENDL
Ratio
1.2
0.6
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
43
Incident Energy (eV)
52-Te-123

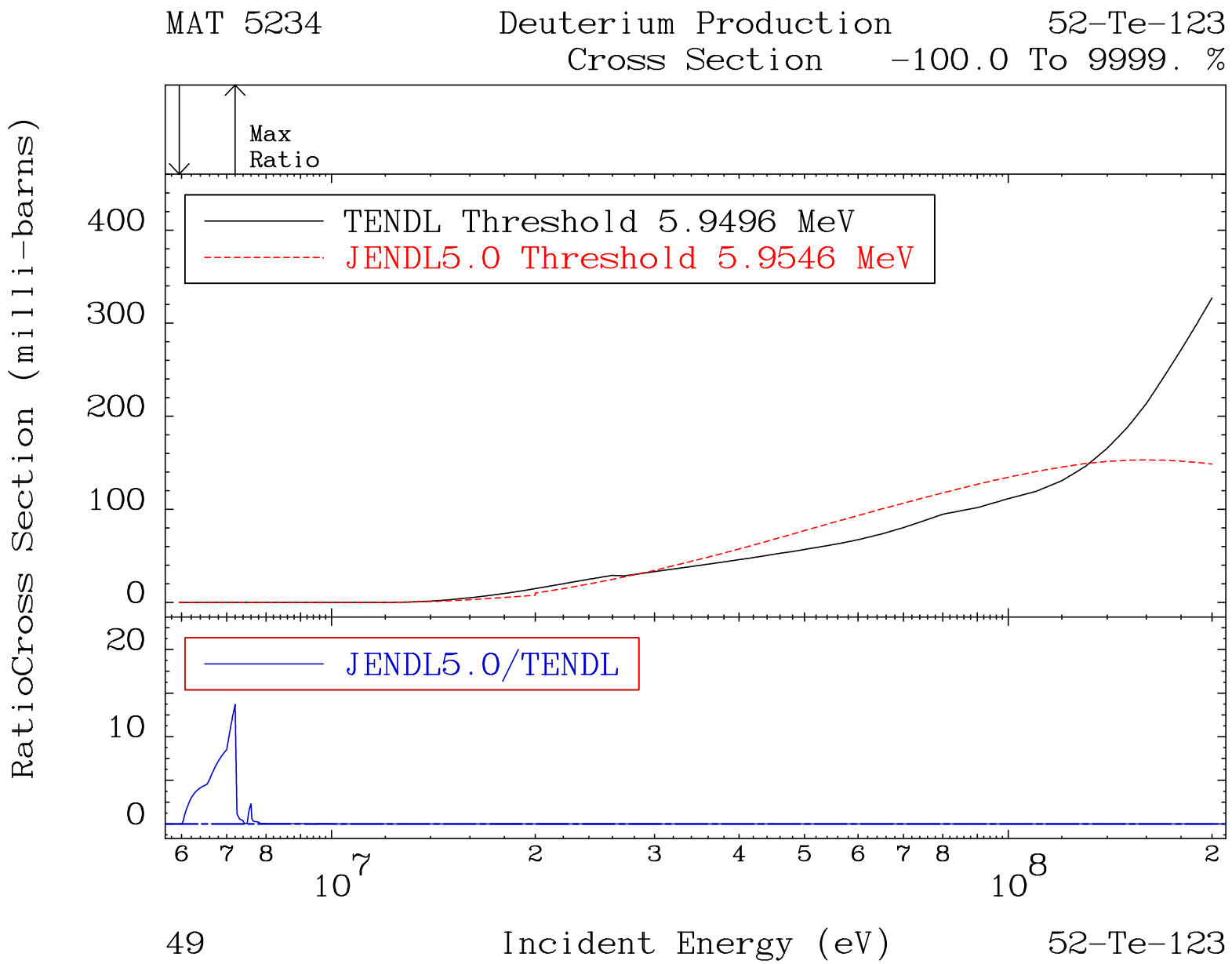

MAT 5234
(n,d)
52-Te-123
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.9496 MeV
JENDL5.0 Threshold 5.9546 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
20
10
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
44
Incident Energy (eV)
52-Te-123

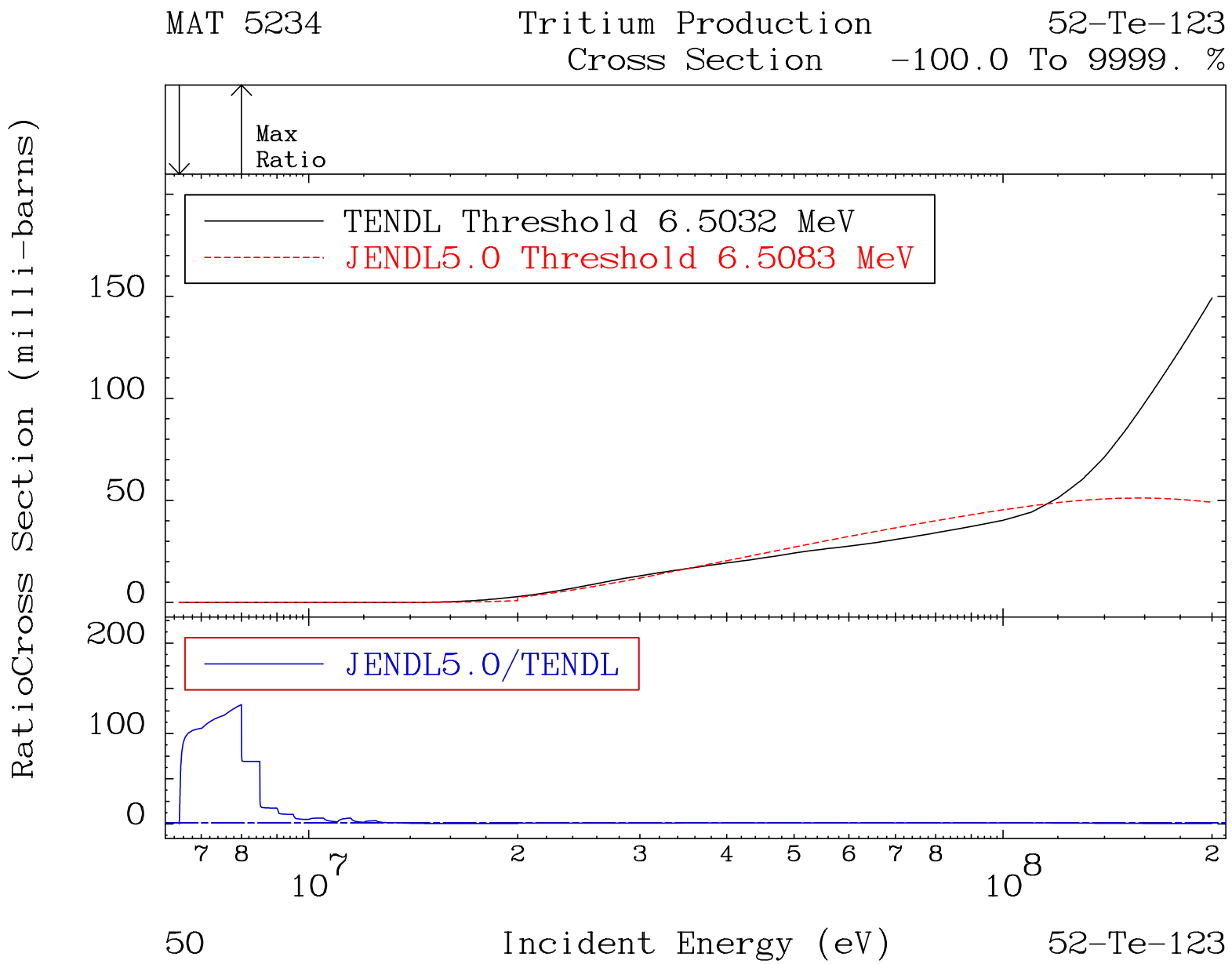

MAT 5234
(n,t)
52-Te-123
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.5032 MeV
JENDL5.0 Threshold 6.5083 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
200
100
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
45
Incident Energy (eV)
52-Te-123

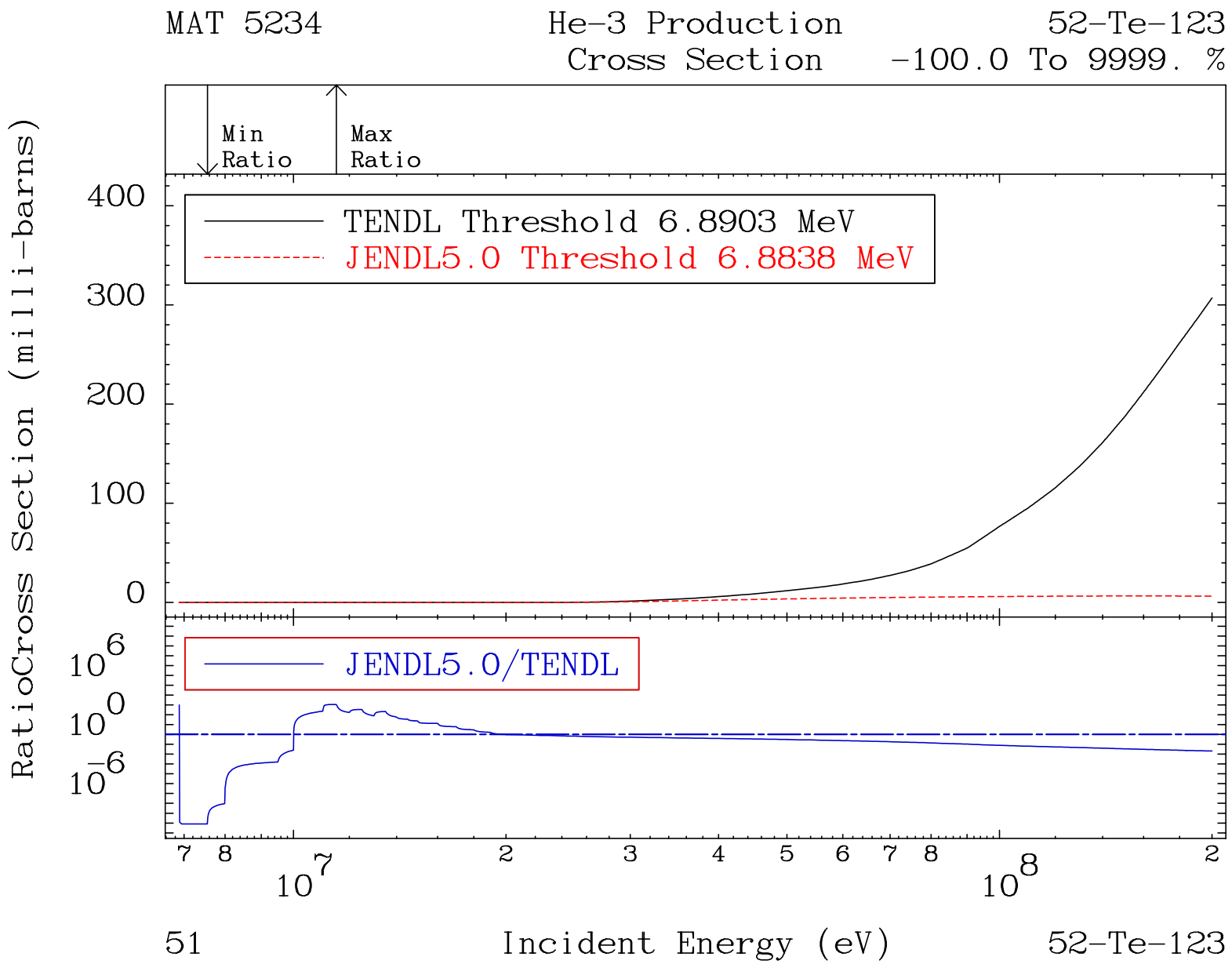

MAT 5234
(n,He-3)
Cross Section
52-Te-123
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.8903 MeV
JENDL5.0 Threshold 6.8838 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
46
52-Te-123

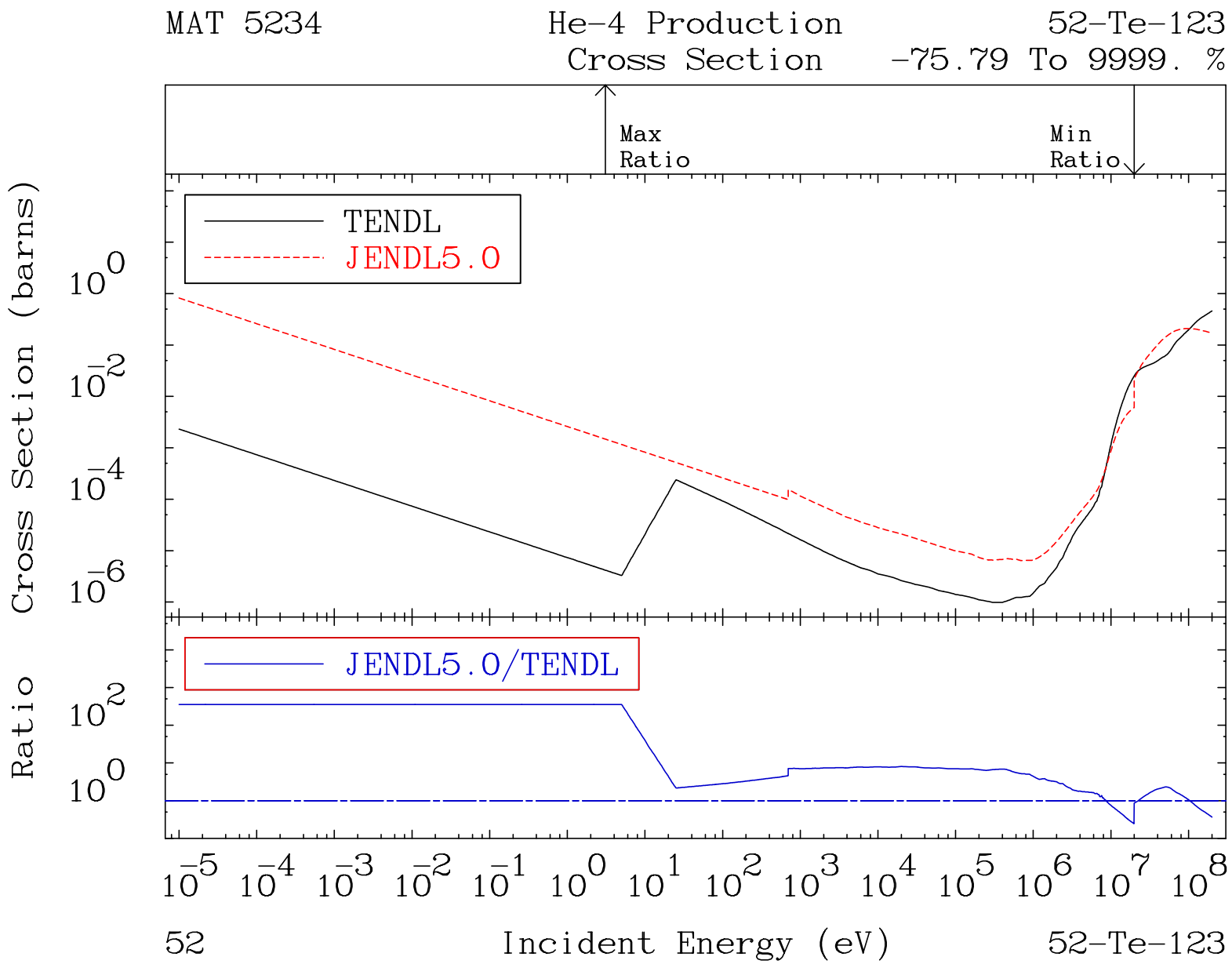

MAT 5234
(n,α)
Cross Section
52-Te-123
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^0
10^-2
10^-4
10^-6
JENDL5.0/TENDL
Ratio
400
200
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
47
Incident Energy (eV)
52-Te-123

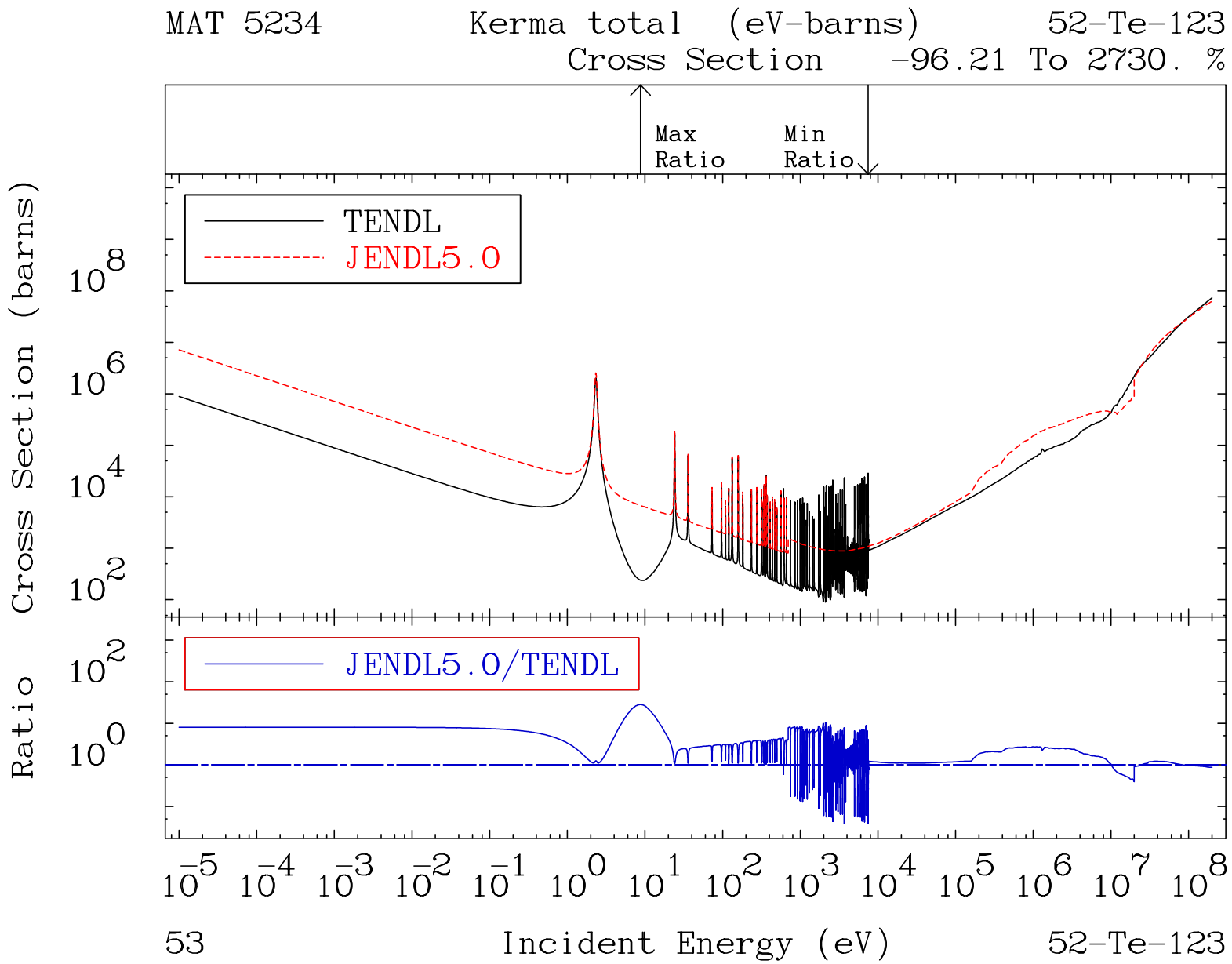

MAT 5234
Hydrogen Production
Cross Section
52-Te-123
-100.0 To 45.08 %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 197.28 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
2.0
1.0
0.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
48
Incident Energy (eV)
52-Te-123

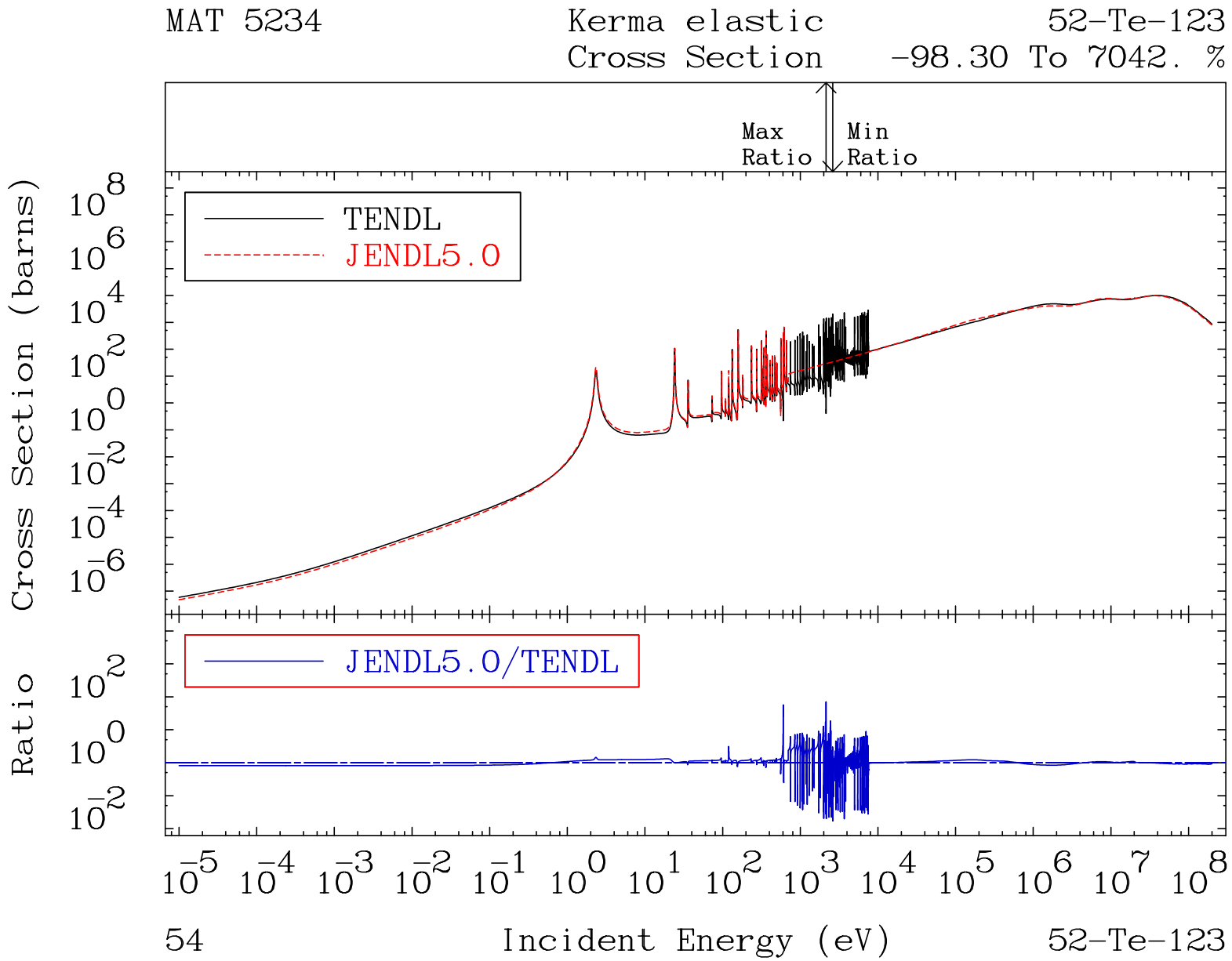

MAT 5234
Deuterium Production
52-Te-123
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.9496 MeV
JENDL5.0 Threshold 5.9546 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
20
10
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
49
Incident Energy (eV)
52-Te-123

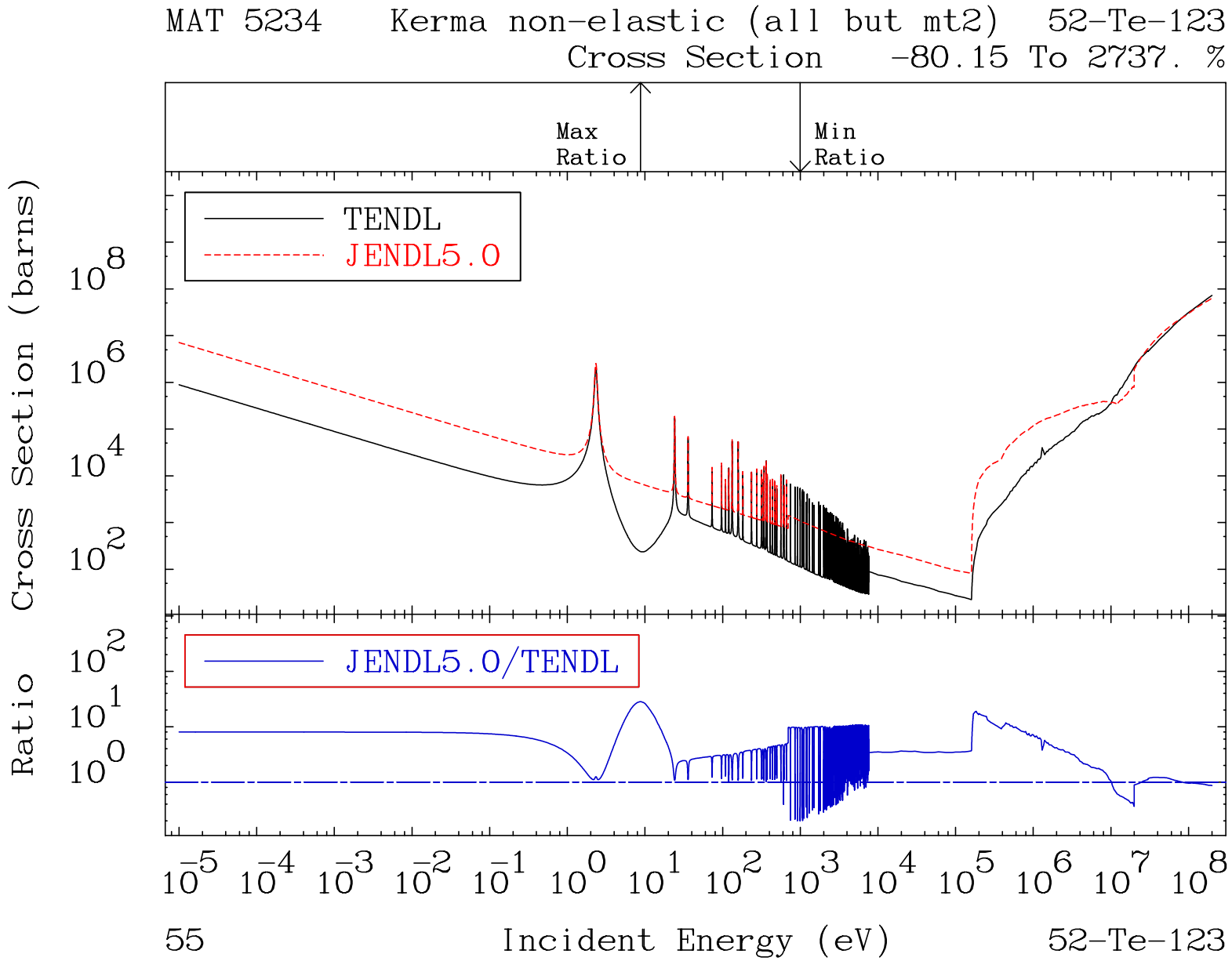

MAT 5234
Tritium Production
52-Te-123
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.5032 MeV
JENDL5.0 Threshold 6.5083 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
150
100
50
0
200
100
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
50
Incident Energy (eV)
52-Te-123

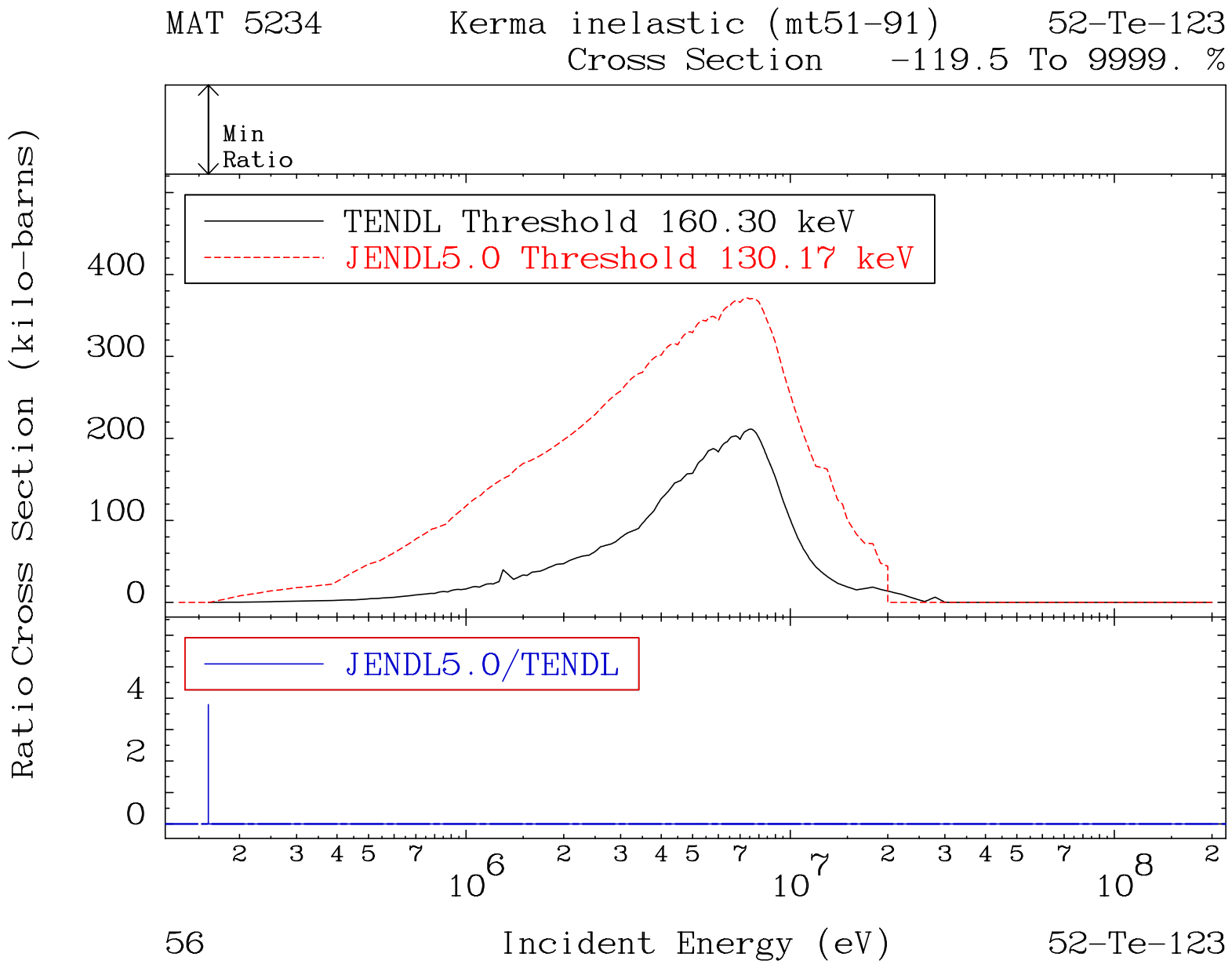

MAT 5234
He-3 Production
Cross Section
52-Te-123
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 6.8903 MeV
JENDL5.0 Threshold 6.8838 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
10^6
10^0
10^-6
7 8 10^7 2 3 4 5 6 7 8 10^8 2
51
Incident Energy (eV)
52-Te-123

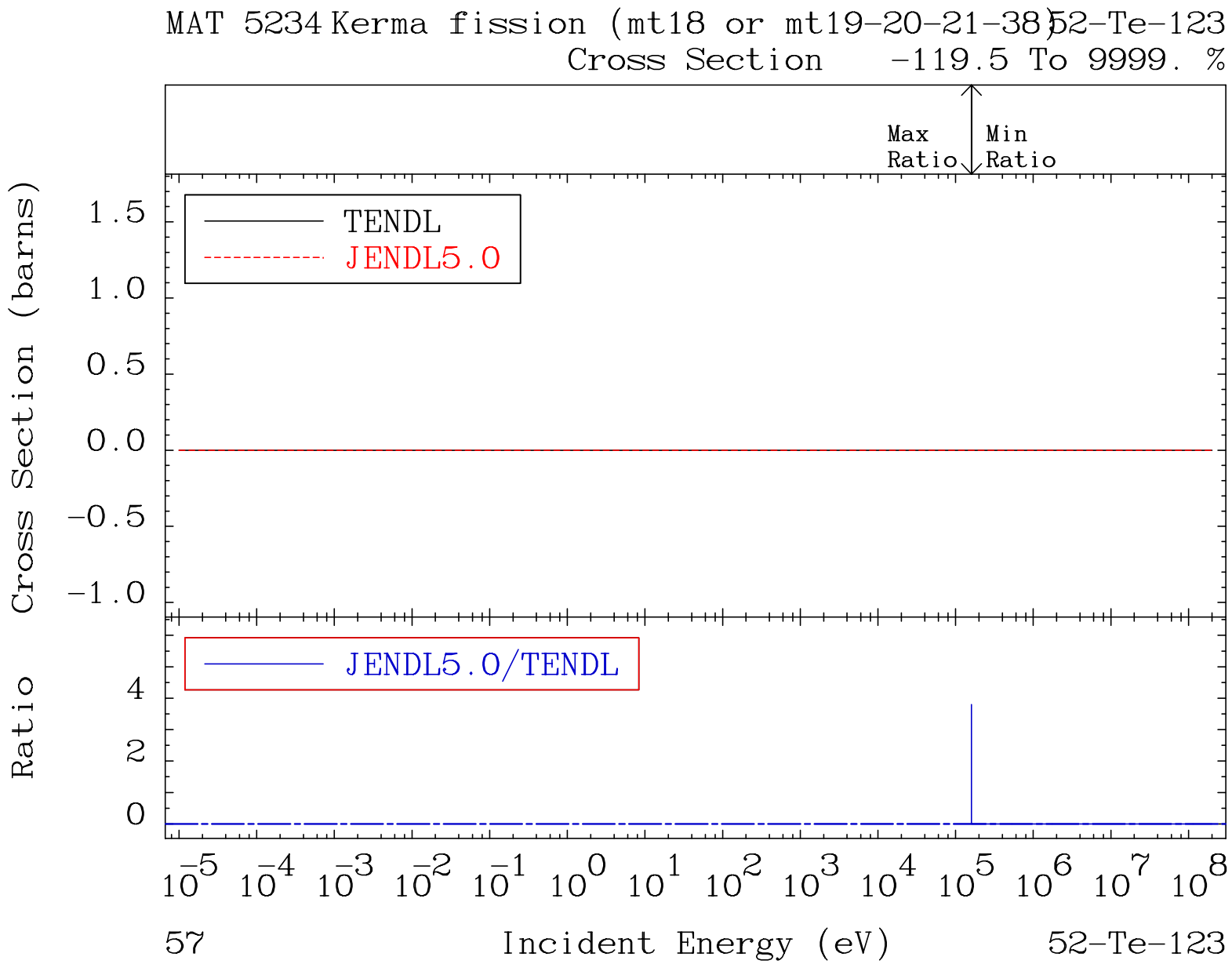

MAT 5234
He-4 Production
Cross Section
52-Te-123
-75.79 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
52
52-Te-123

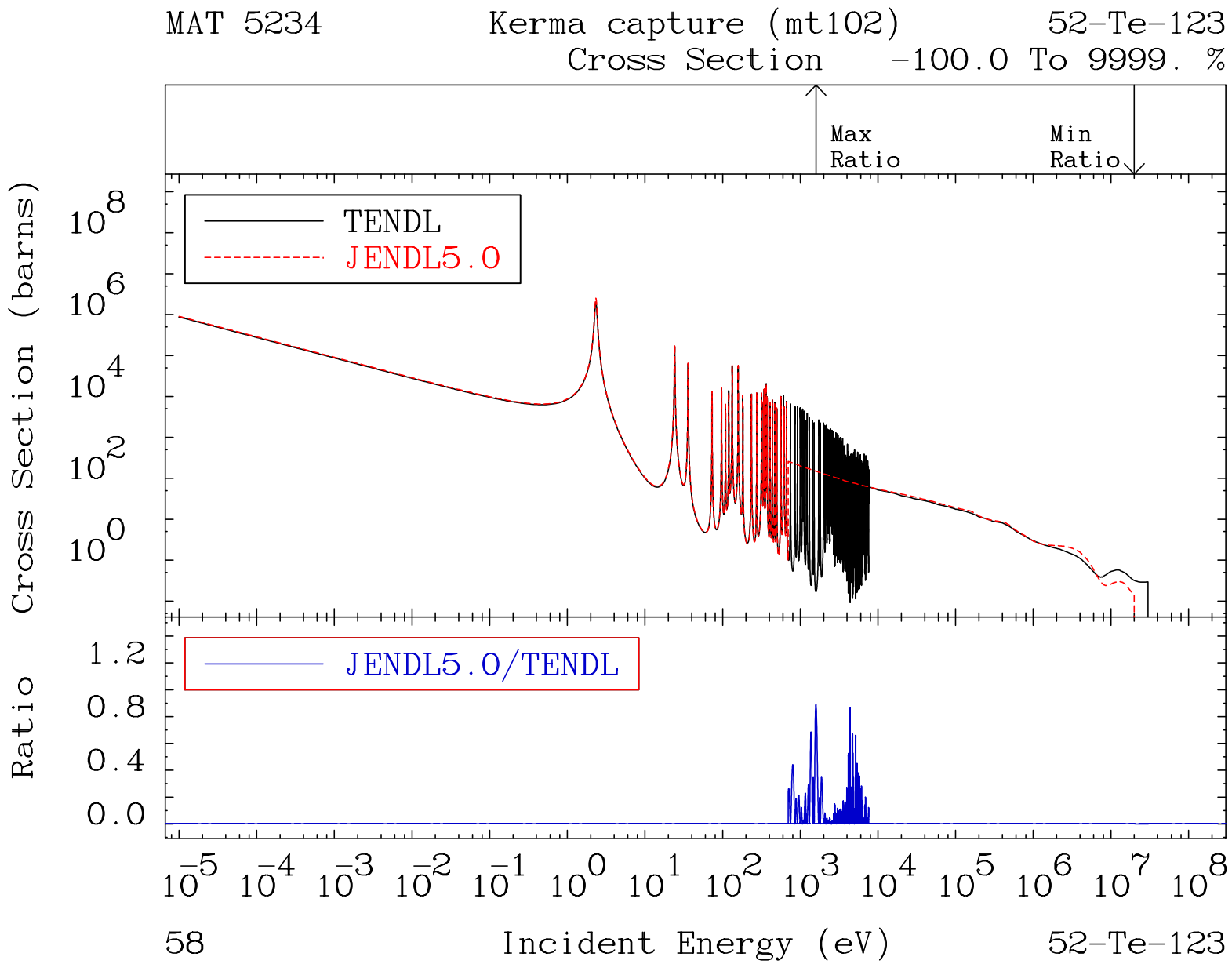

MAT 5234
Kerma total (eV-barns)
52-Te-123
Cross Section -96.21 To 2730. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
53
52-Te-123

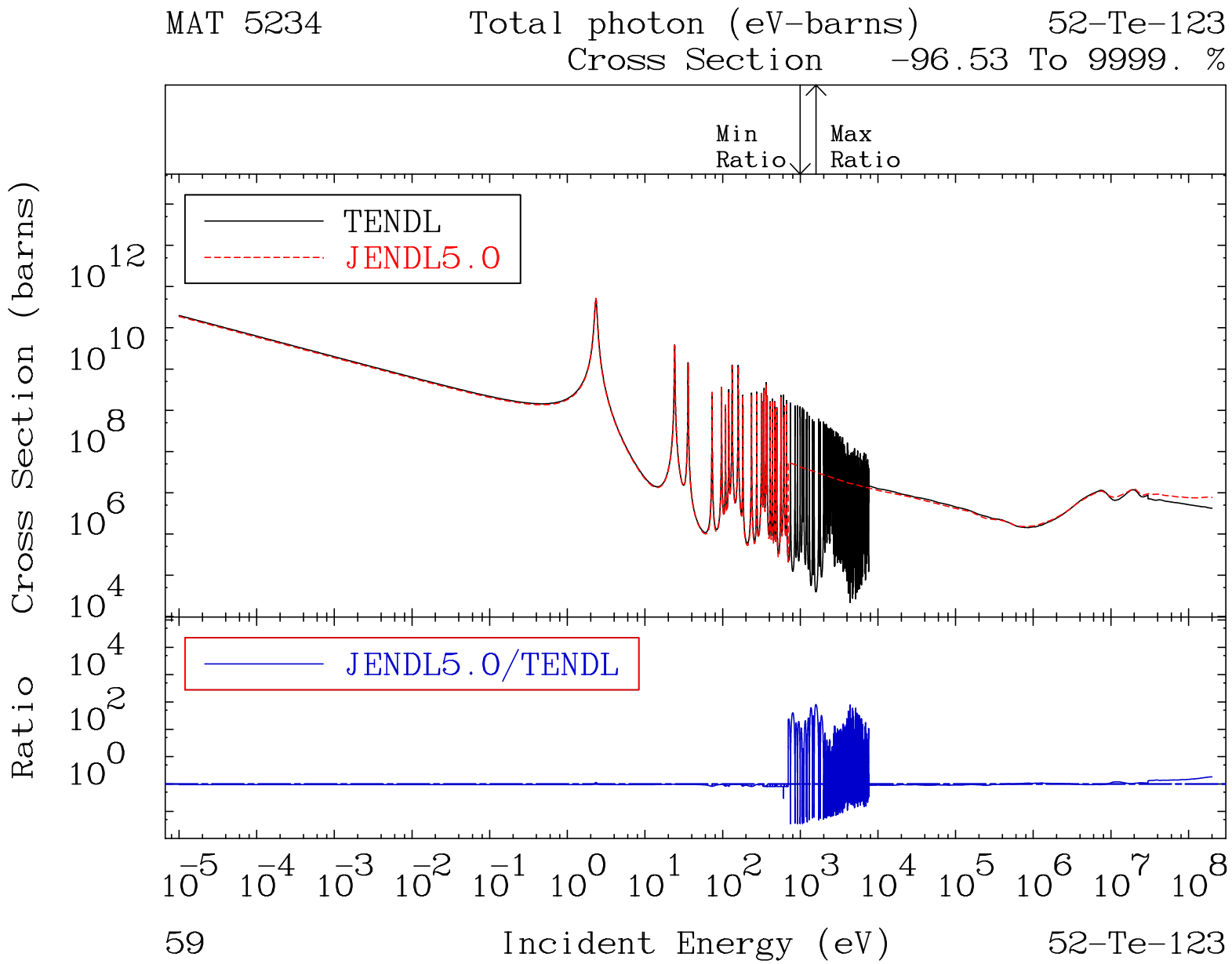

MAT 5234
Kerma elastic
Cross Section
52-Te-123
-98.30 To 7042. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
54
52-Te-123

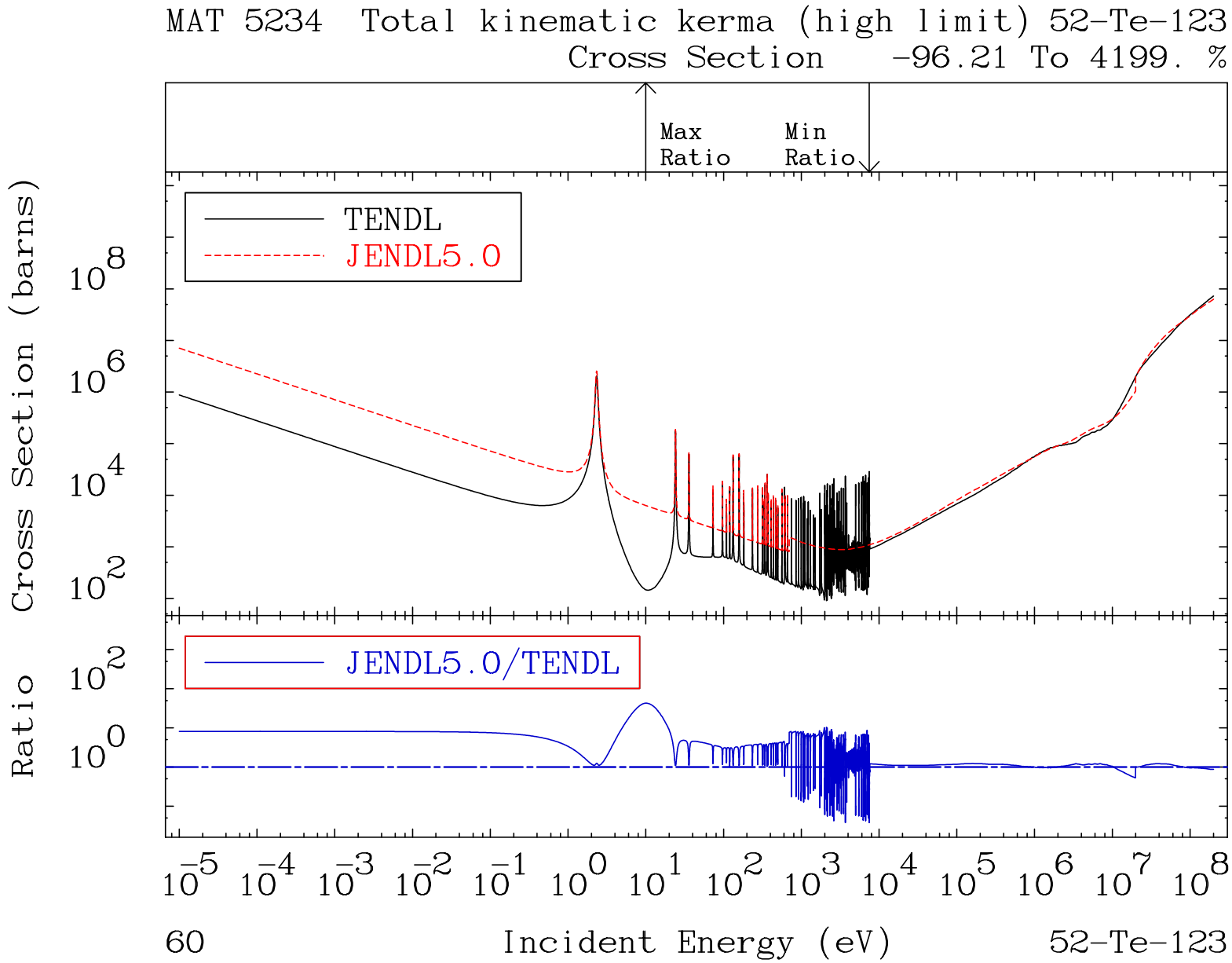

MAT 5234 Kerma non-elastic (all but mt2) 52-Te-123
Cross Section -80.15 To 2737. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
52-Te-123

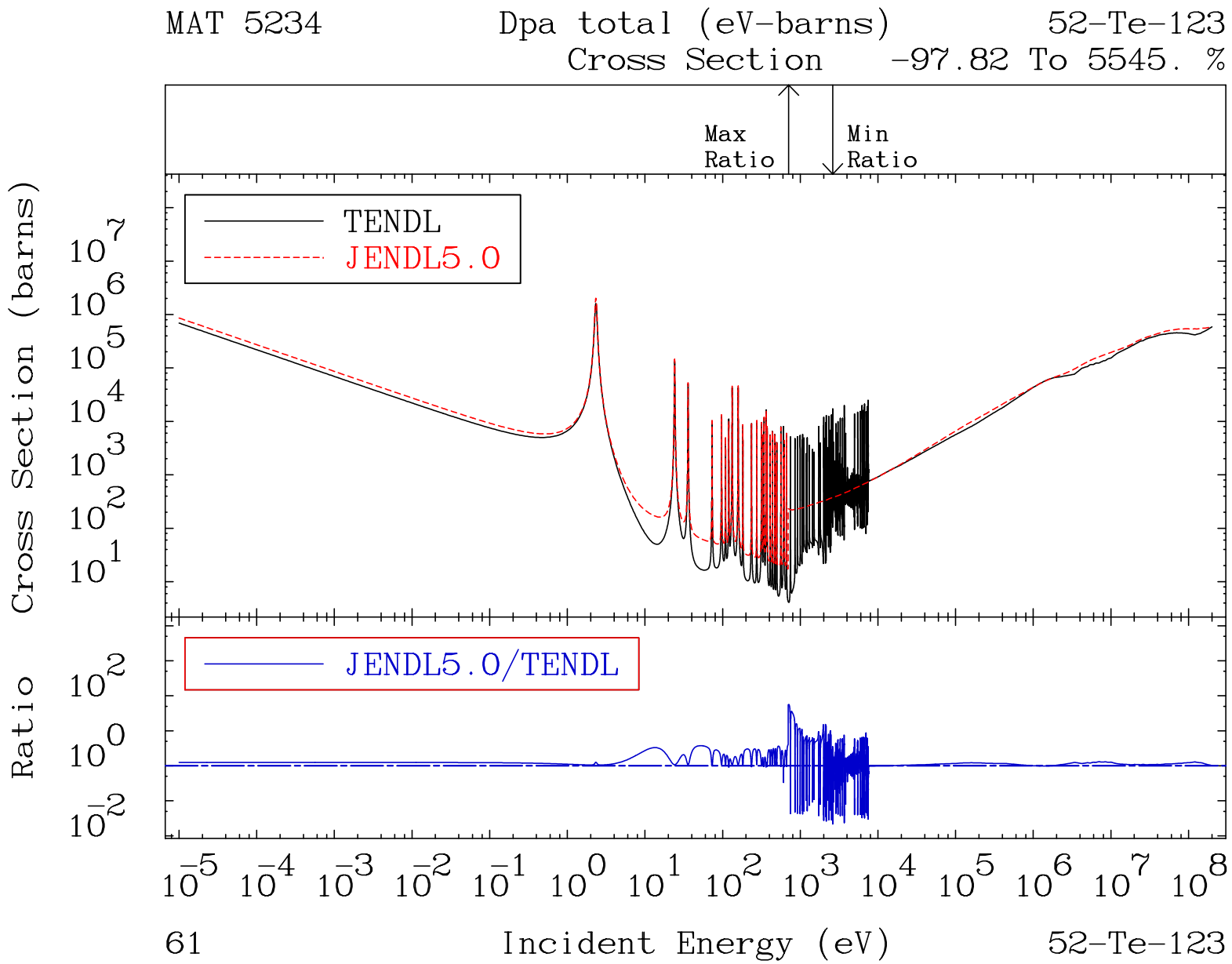

MAT 5234
Kerma inelastic (mt51-91)
52-Te-123
Cross Section
-119.5 To 9999. %
Min
Ratio
TENDL Threshold 160.30 keV
JENDL5.0 Threshold 130.17 keV
JENDL5.0/TENDL
Ratio Cross Section (kilo-barns)
400
300
200
100
0
4
2
0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
56
Incident Energy (eV)
52-Te-123

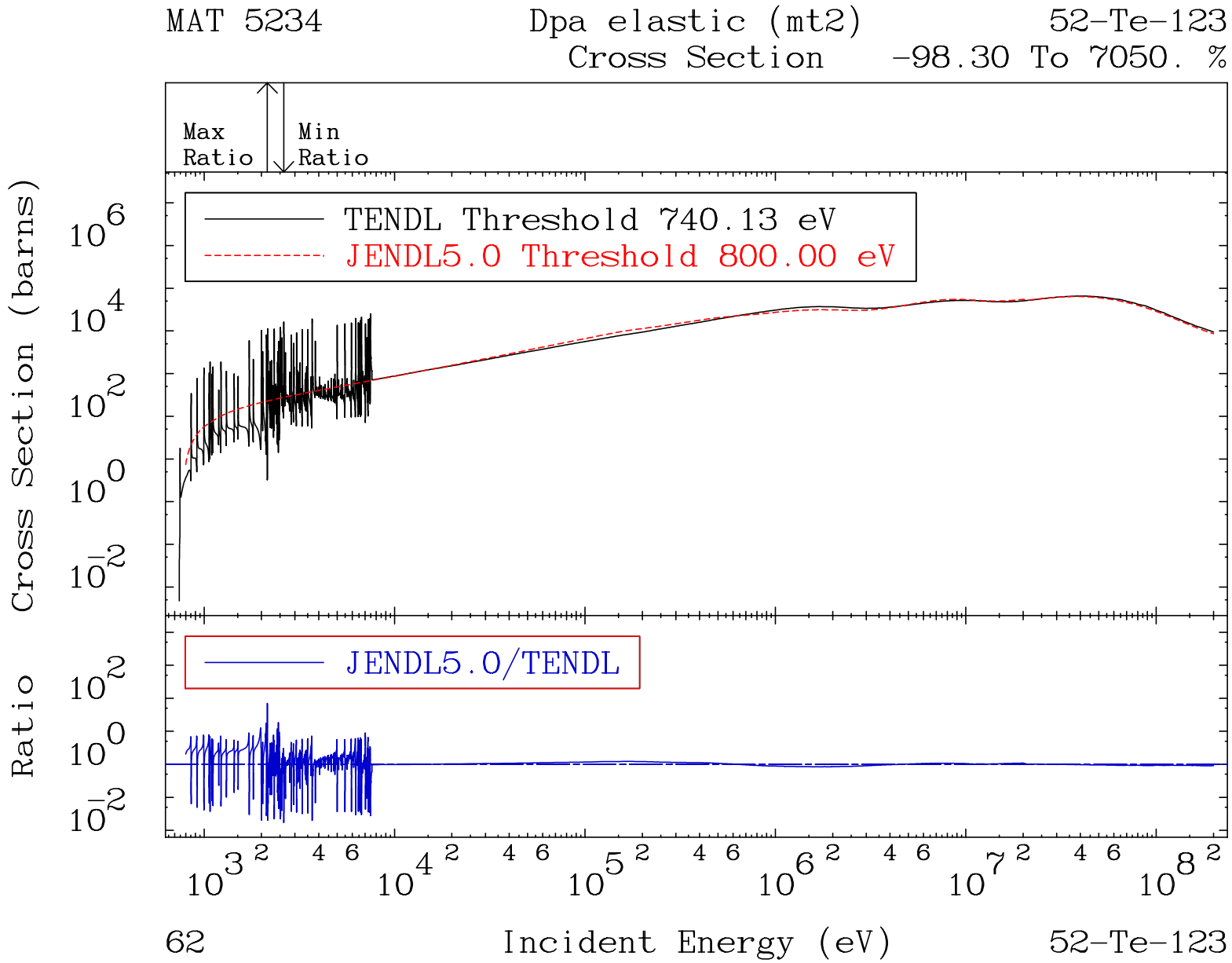

MAT 5234 Kerma fission (mt18 or mt19-20-21-38) 52-Te-123
Cross Section -119.5 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
4
2
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
57
Incident Energy (eV)
52-Te-123

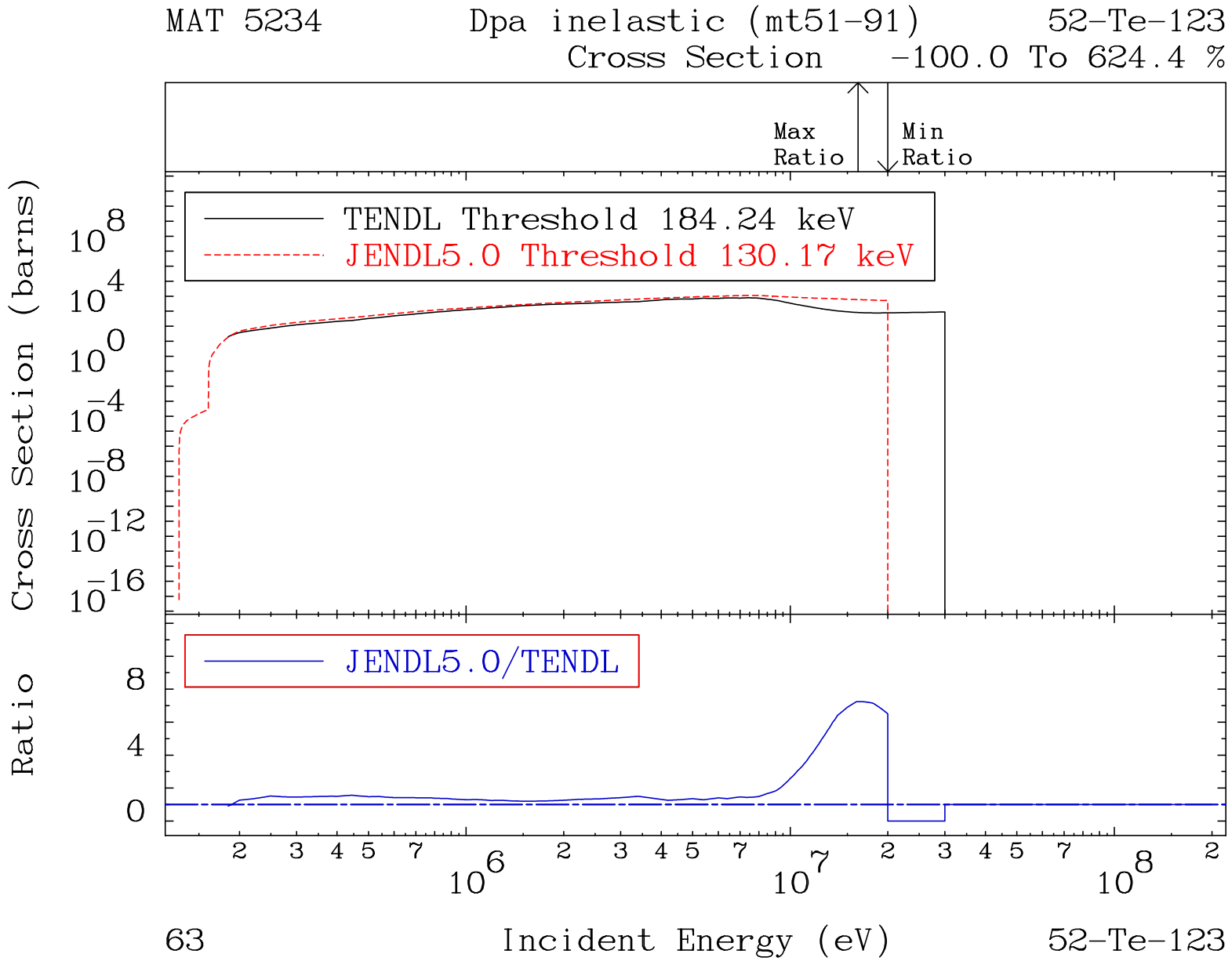

MAT 5234
Kerma capture (mt102)
52-Te-123
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
58
52-Te-123

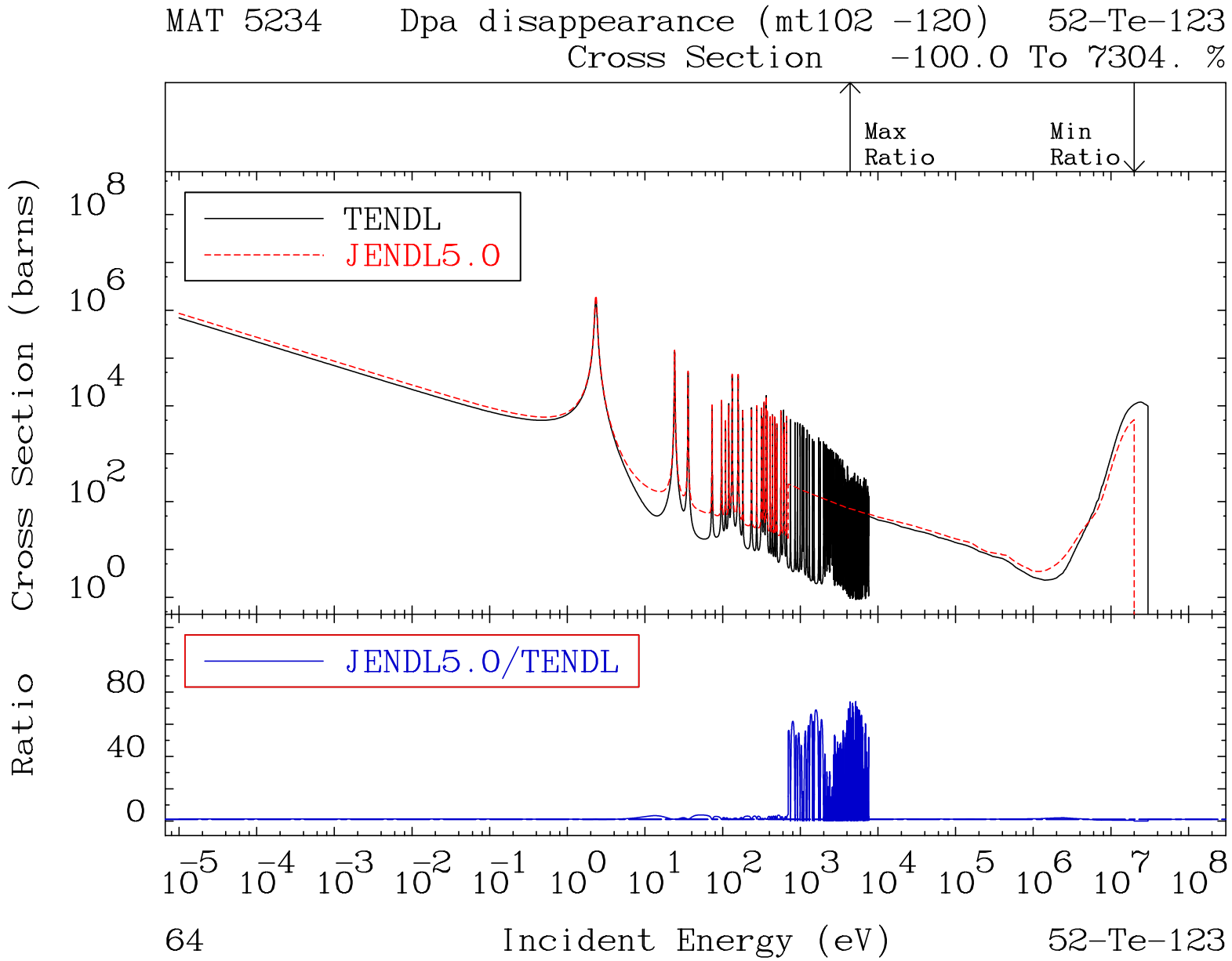

MAT 5234
Total photon (eV-barns)
52-Te-123
Cross Section -96.53 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
59
52-Te-123

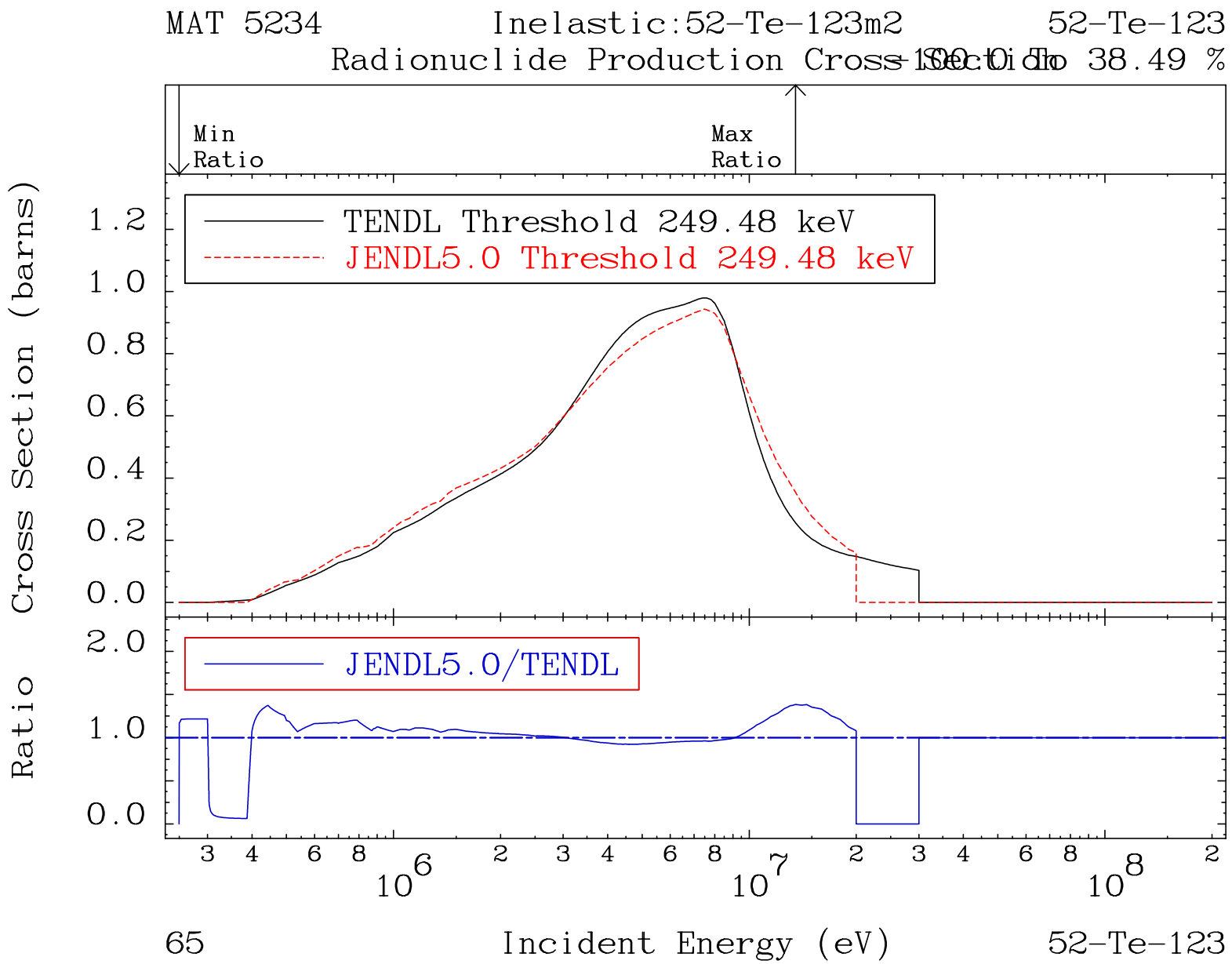

MAT 5234 Total kinematic kerma (high limit) 52-Te-123
Cross Section -96.21 To 4199. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
60
52-Te-123

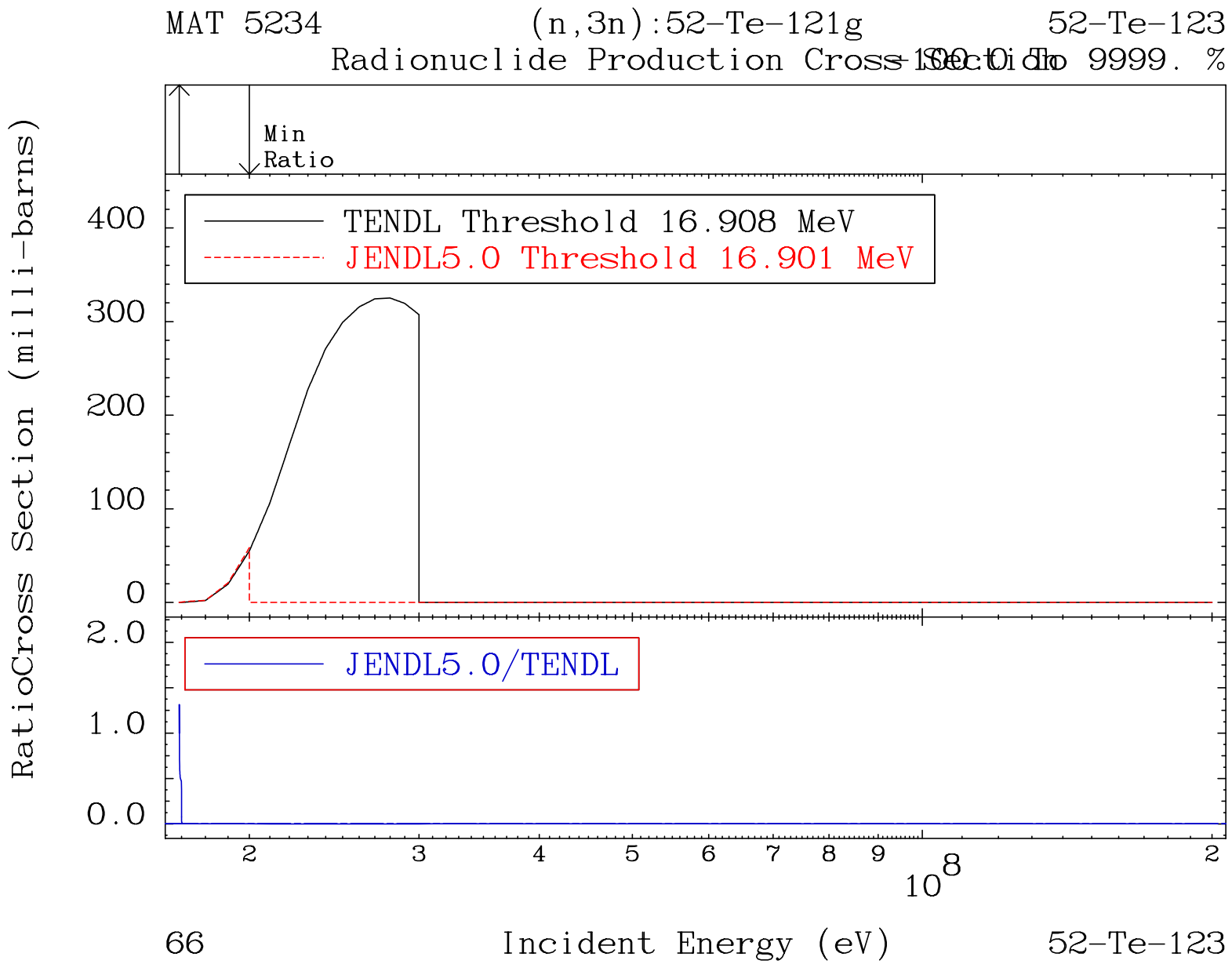

MAT 5234
Dpa total (eV-barns)
52-Te-123
Cross Section
-97.82 To 5545. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
61
52-Te-123

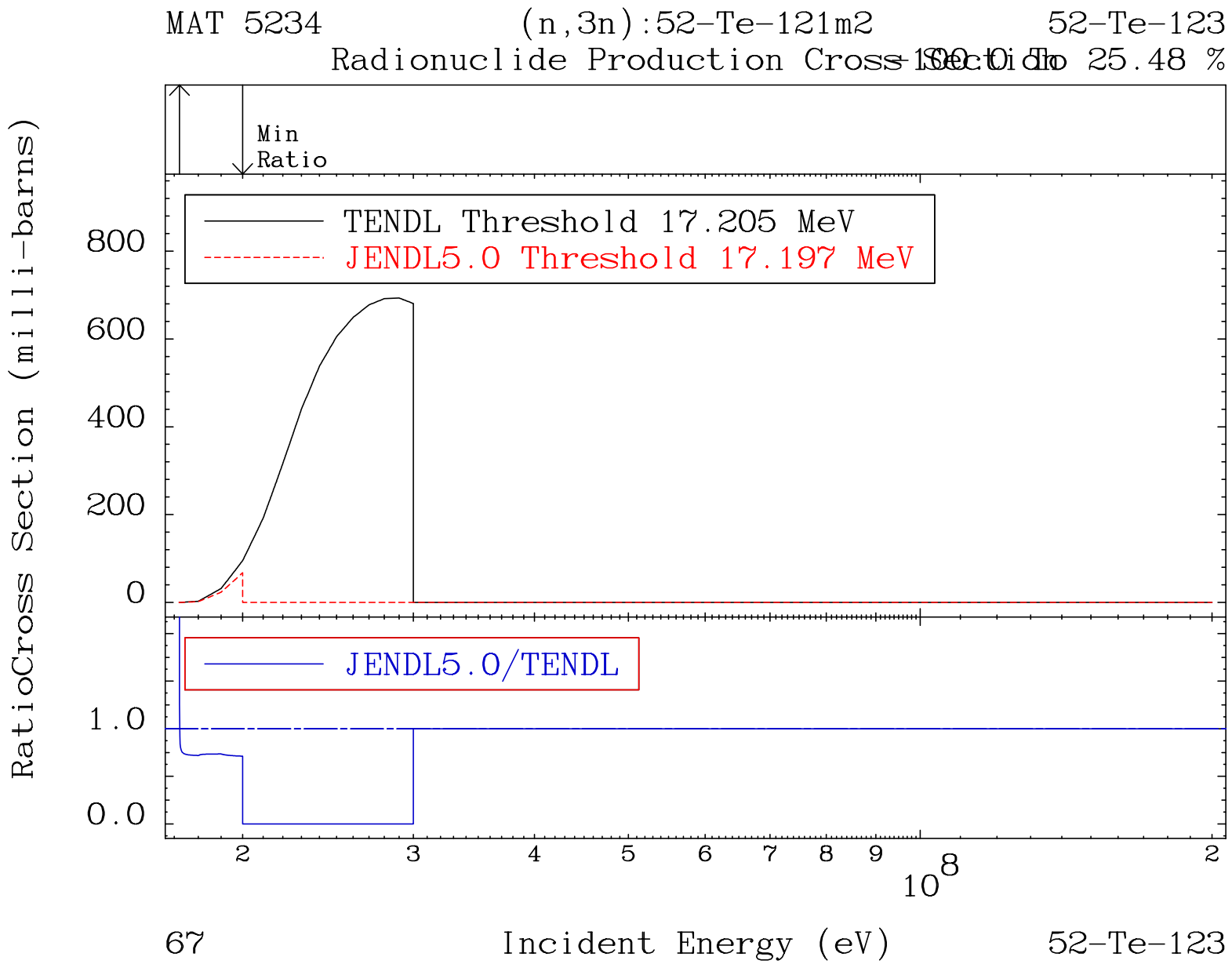

MAT 5234
Dpa elastic (mt2)
Cross Section
52-Te-123
-98.30 To 7050. %
Max Ratio
Min Ratio
TENDL Threshold 740.13 eV
JENDL5.0 Threshold 800.00 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
52-Te-123

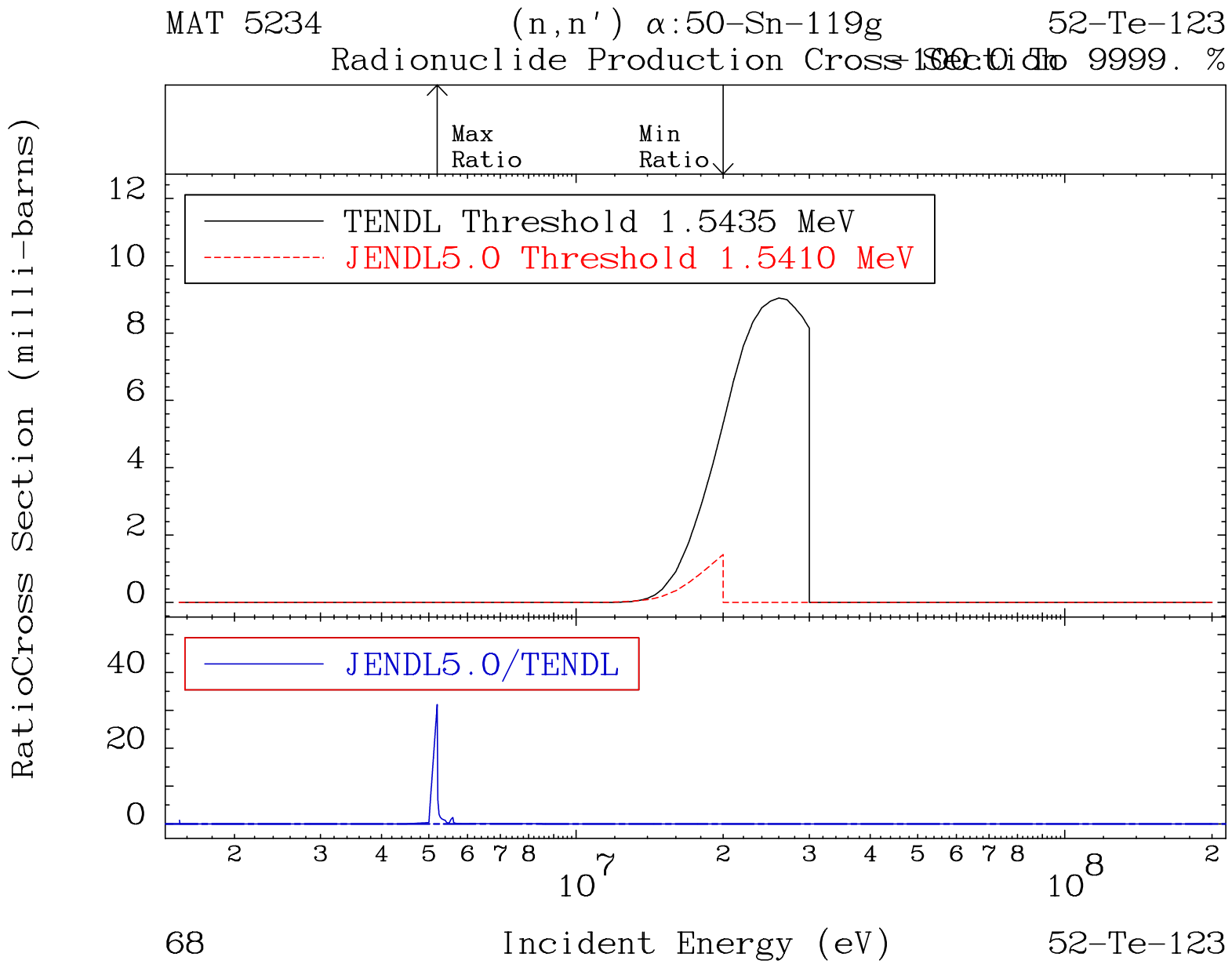

MAT 5234
Dpa inelastic (mt51-91)
52-Te-123
Cross Section -100.0 To 624.4 %
Max Ratio
Min Ratio
TENDL Threshold 184.24 keV
JENDL5.0 Threshold 130.17 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
63
52-Te-123

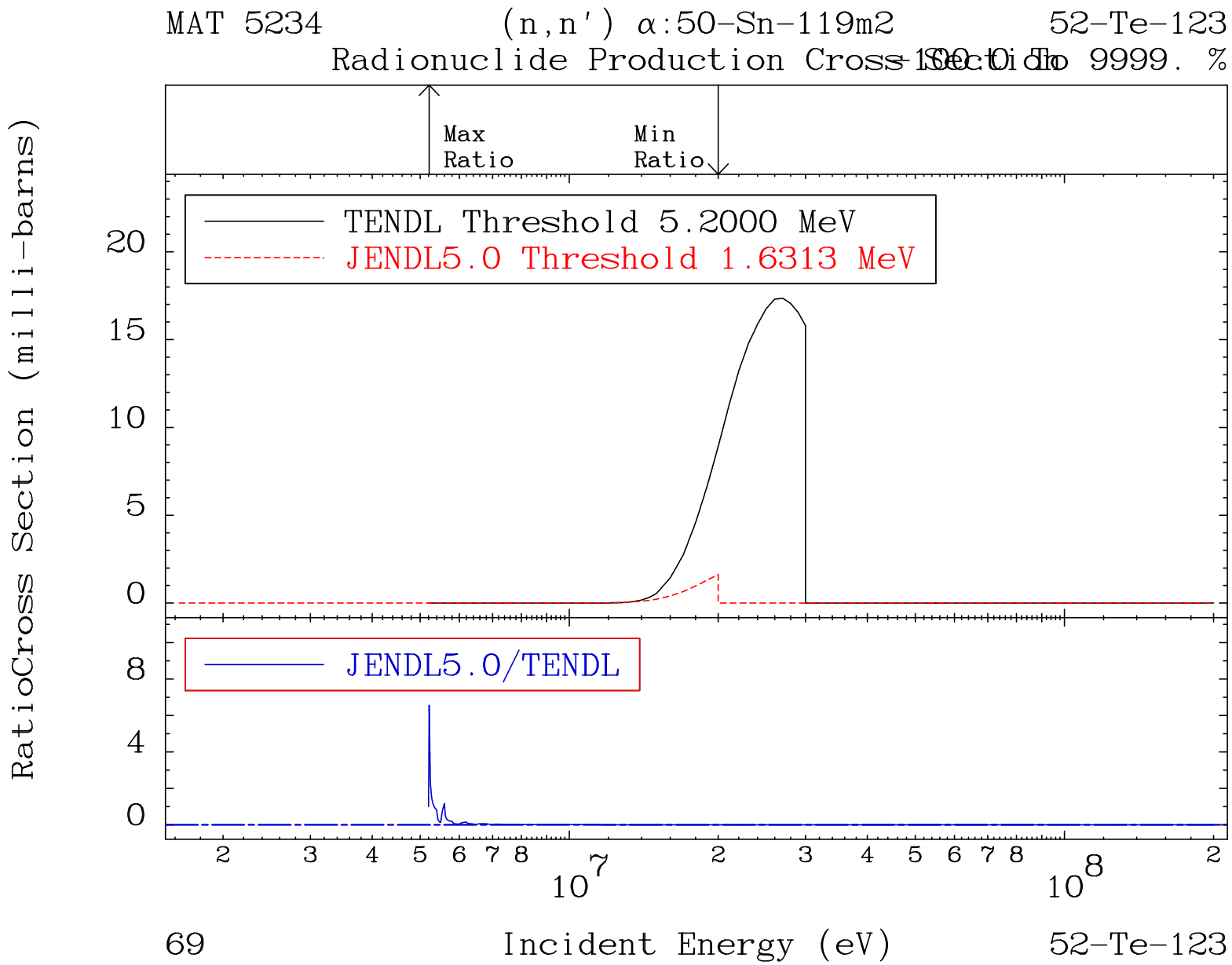

MAT 5234 Dpa disappearance (mt102 -120) 52-Te-123
Cross Section -100.0 To 7304. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
64
52-Te-123

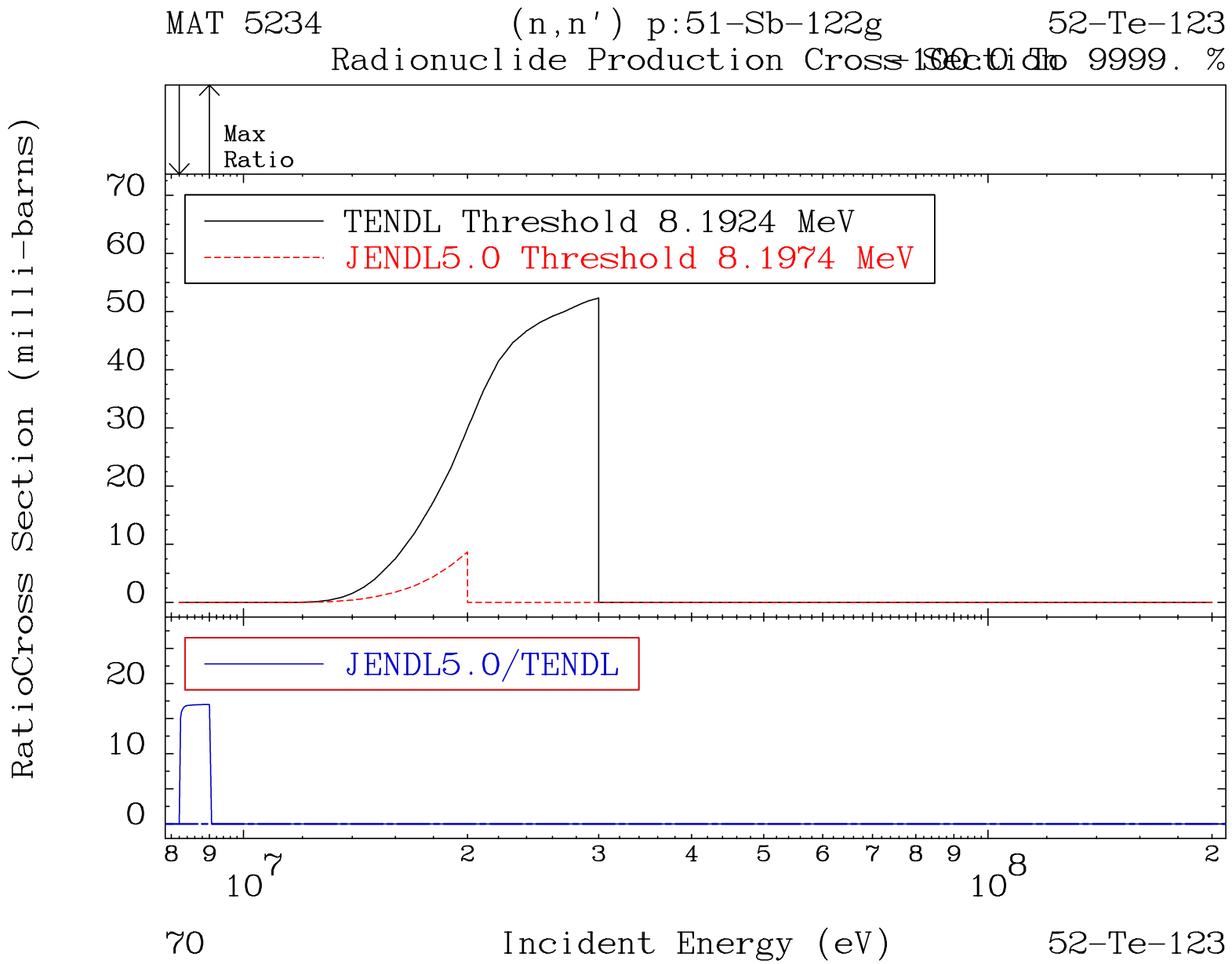

MAT 5234
Inelastic:52-Te-123m2
52-Te-123
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 249.48 keV
JENDL5.0 Threshold 249.48 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
52-Te-123

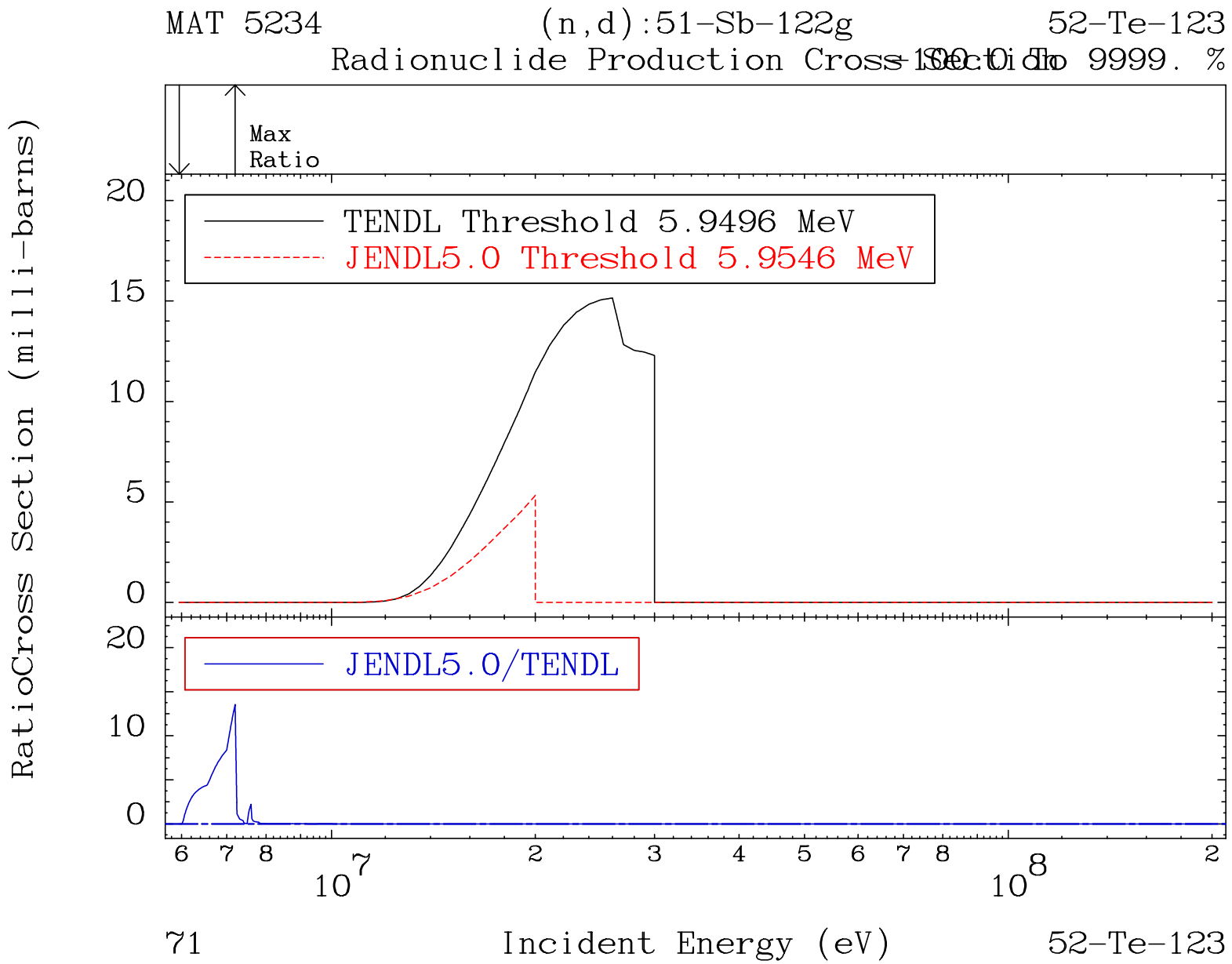

MAT 5234
(n,3n):52-Te-121g
52-Te-123
Radionuclide Production Cross Section
Min
Ratio
TENDL Threshold 16.908 MeV
JENDL5.0 Threshold 16.901 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
66
Incident Energy (eV)
52-Te-123

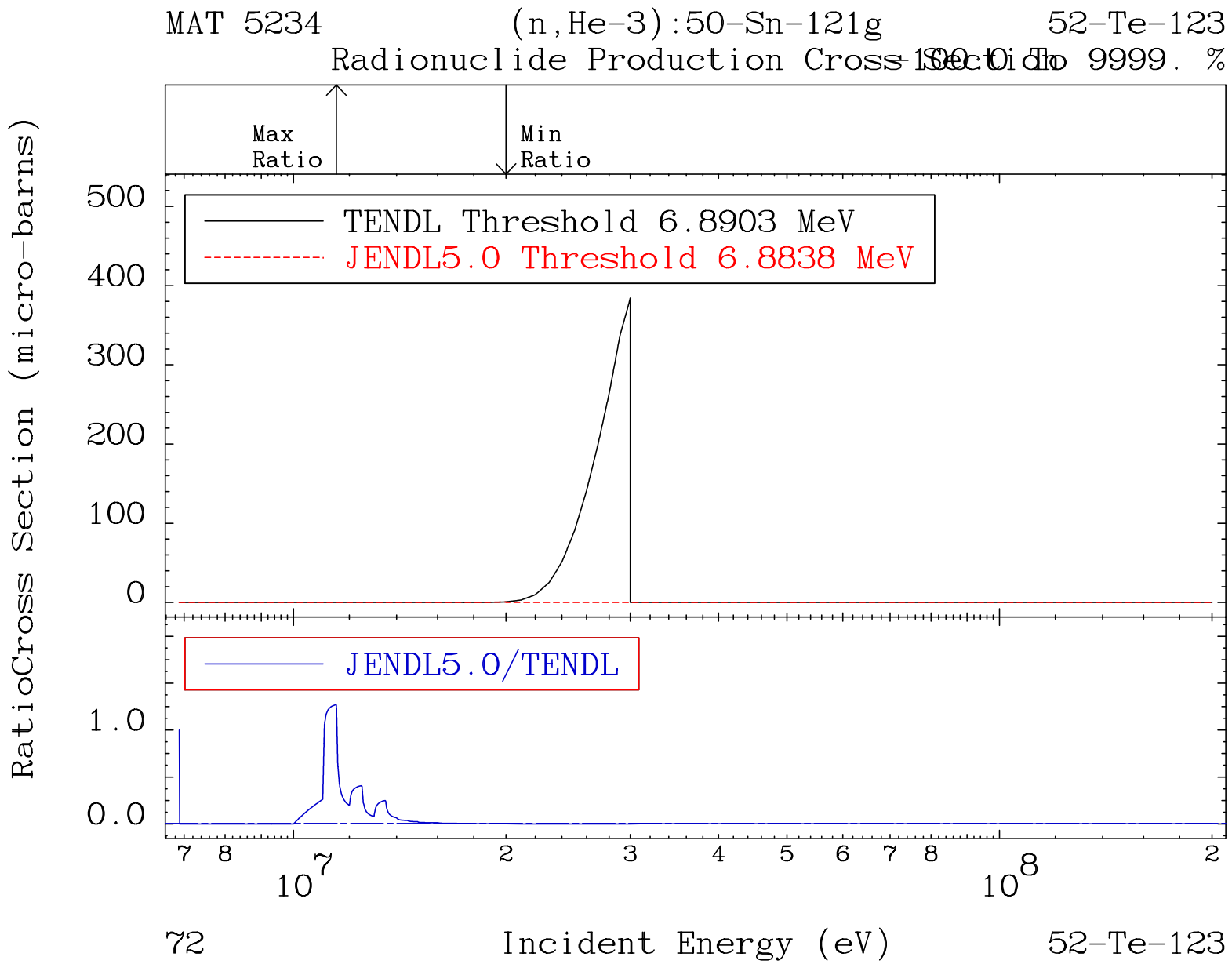

MAT 5234
(n,3n):52-Te-121m2
52-Te-123
Radionuclide Production Cross Section
Min
Ratio
TENDL Threshold 17.205 MeV
JENDL5.0 Threshold 17.197 MeV
800
600
400
200
0
JENDL5.0/TENDL
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (milli-barns)
67
Incident Energy (eV)
52-Te-123

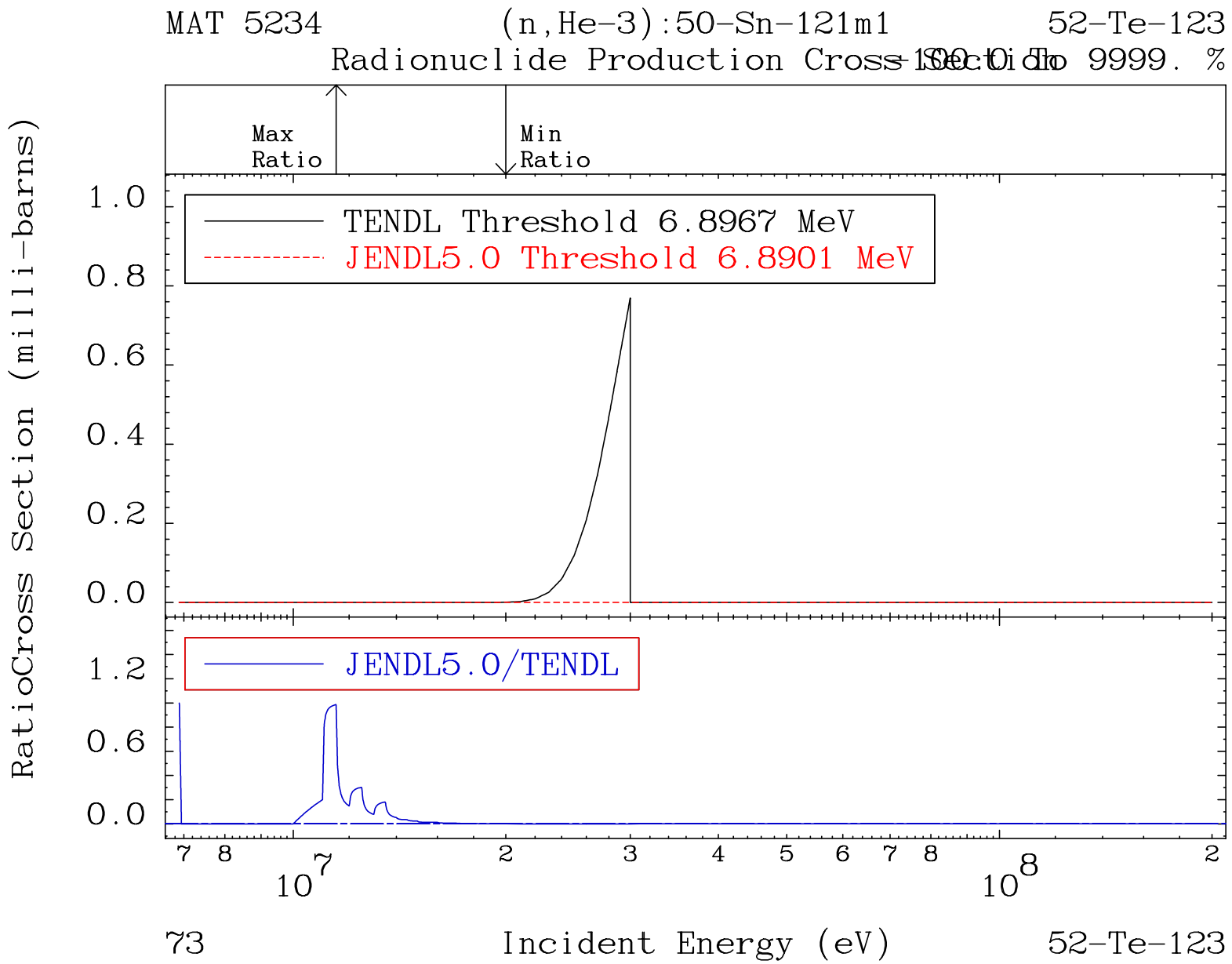

MAT 5234
(n,n') α:50-Sn-119g
52-Te-123
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 1.5435 MeV
JENDL5.0 Threshold 1.5410 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
68
52-Te-123

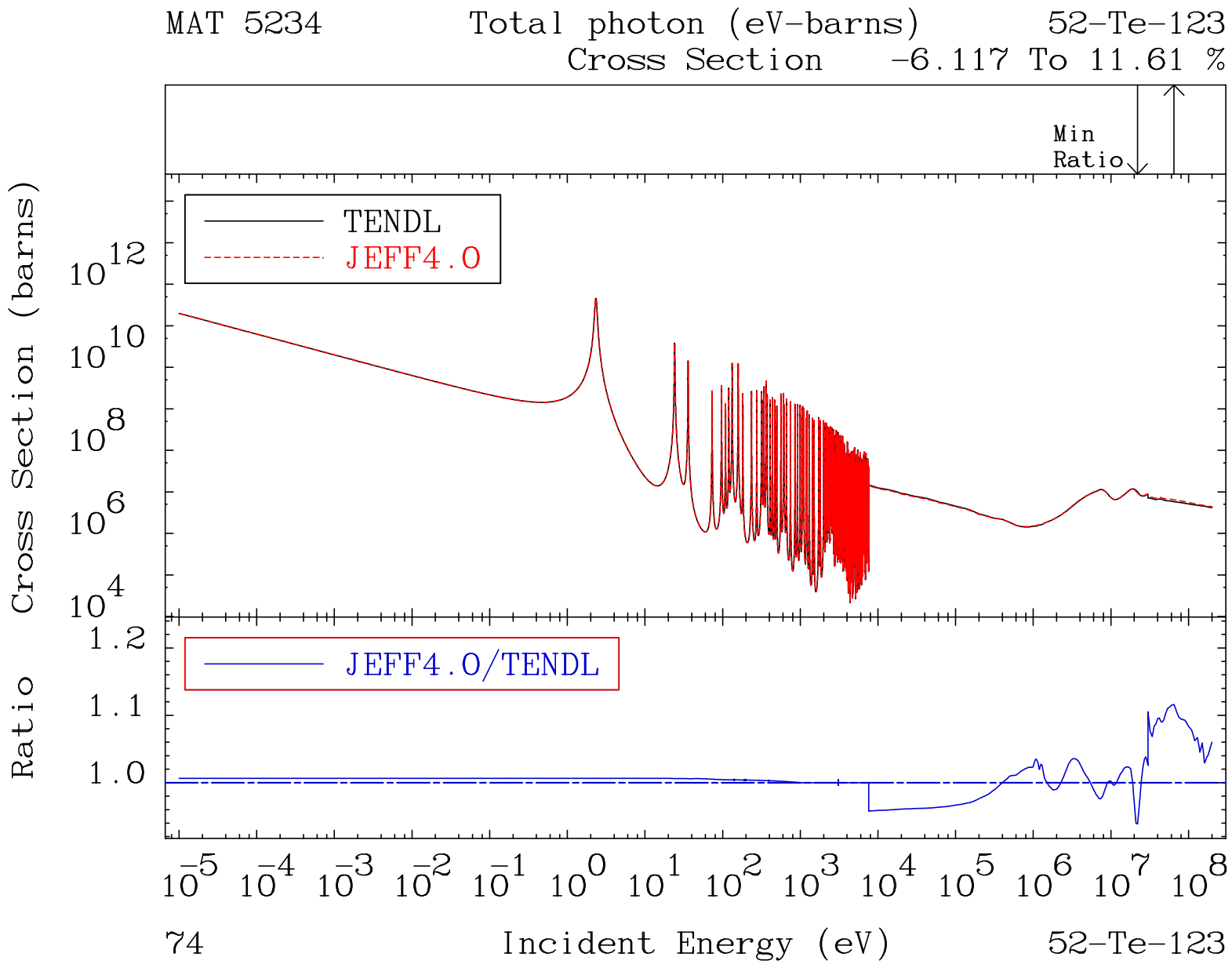

MAT 5234
(n,n') α:50-Sn-119m2
52-Te-123
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 5.2000 MeV
JENDL5.0 Threshold 1.6313 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
69
52-Te-123

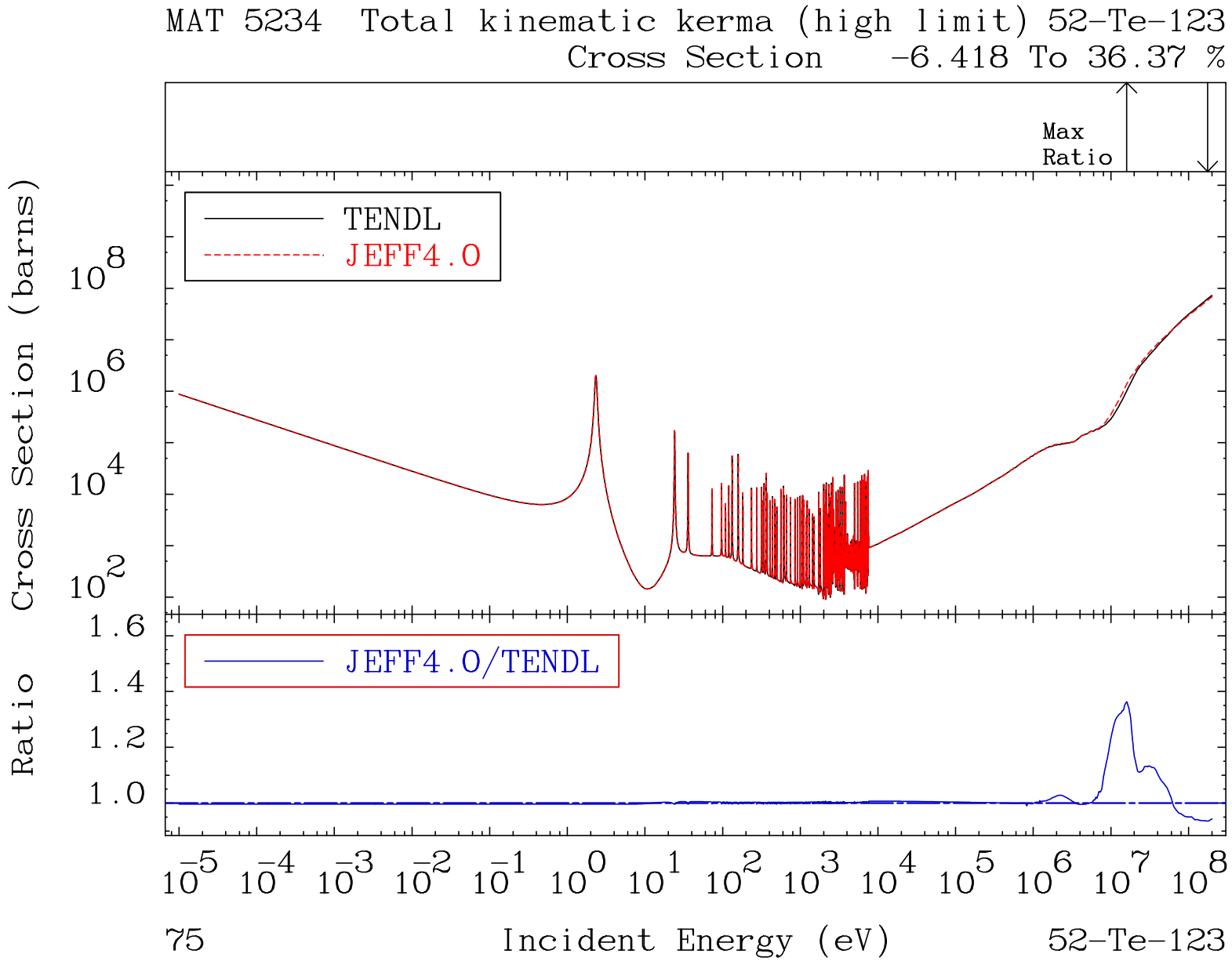

MAT 5234
(n,n') p:51-Sb-122g
52-Te-123
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 8.1924 MeV
JENDL5.0 Threshold 8.1974 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
70
52-Te-123

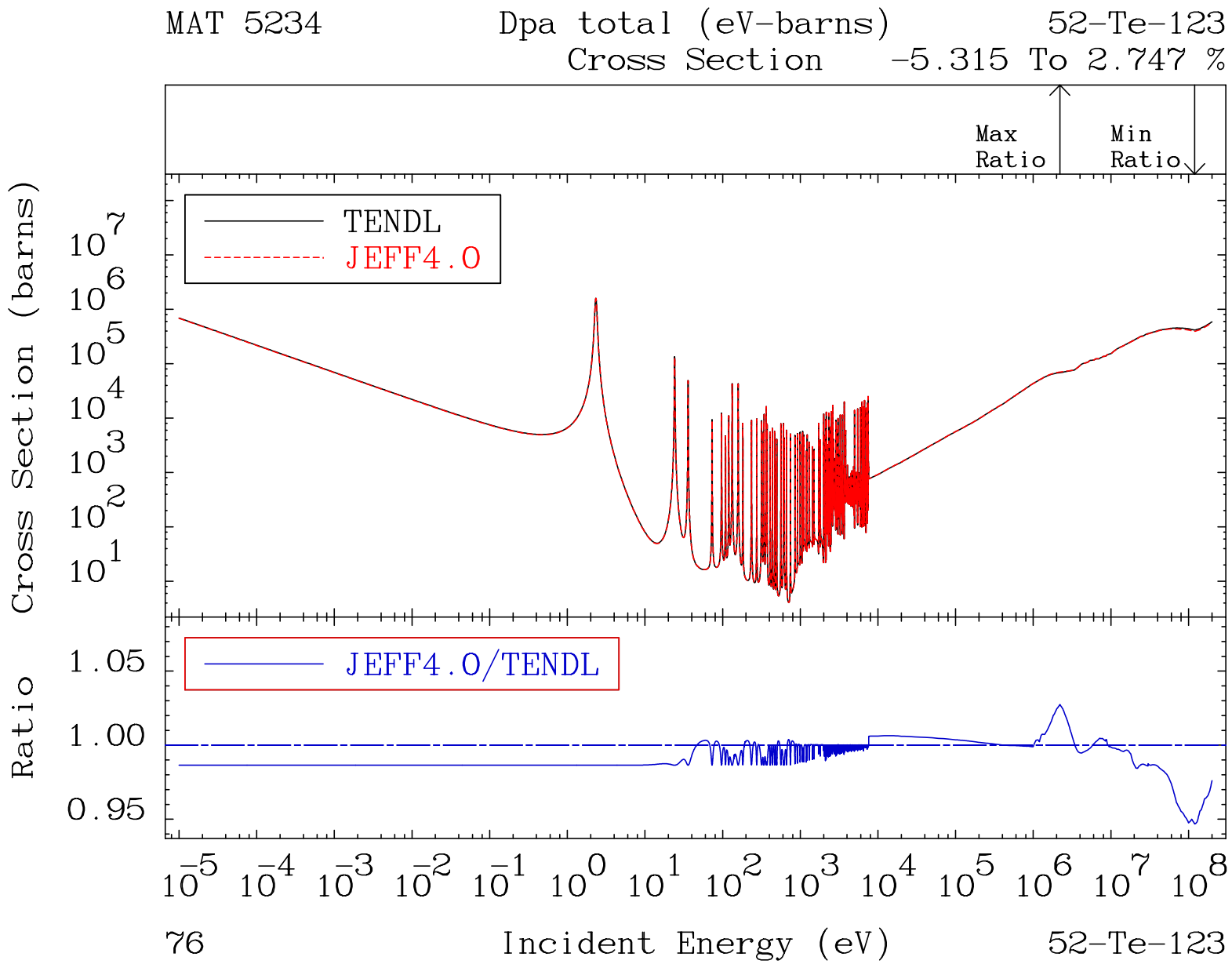

MAT 5234
(n,d):51-Sb-122g
52-Te-123
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 5.9496 MeV
JENDL5.0 Threshold 5.9546 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
71
52-Te-123

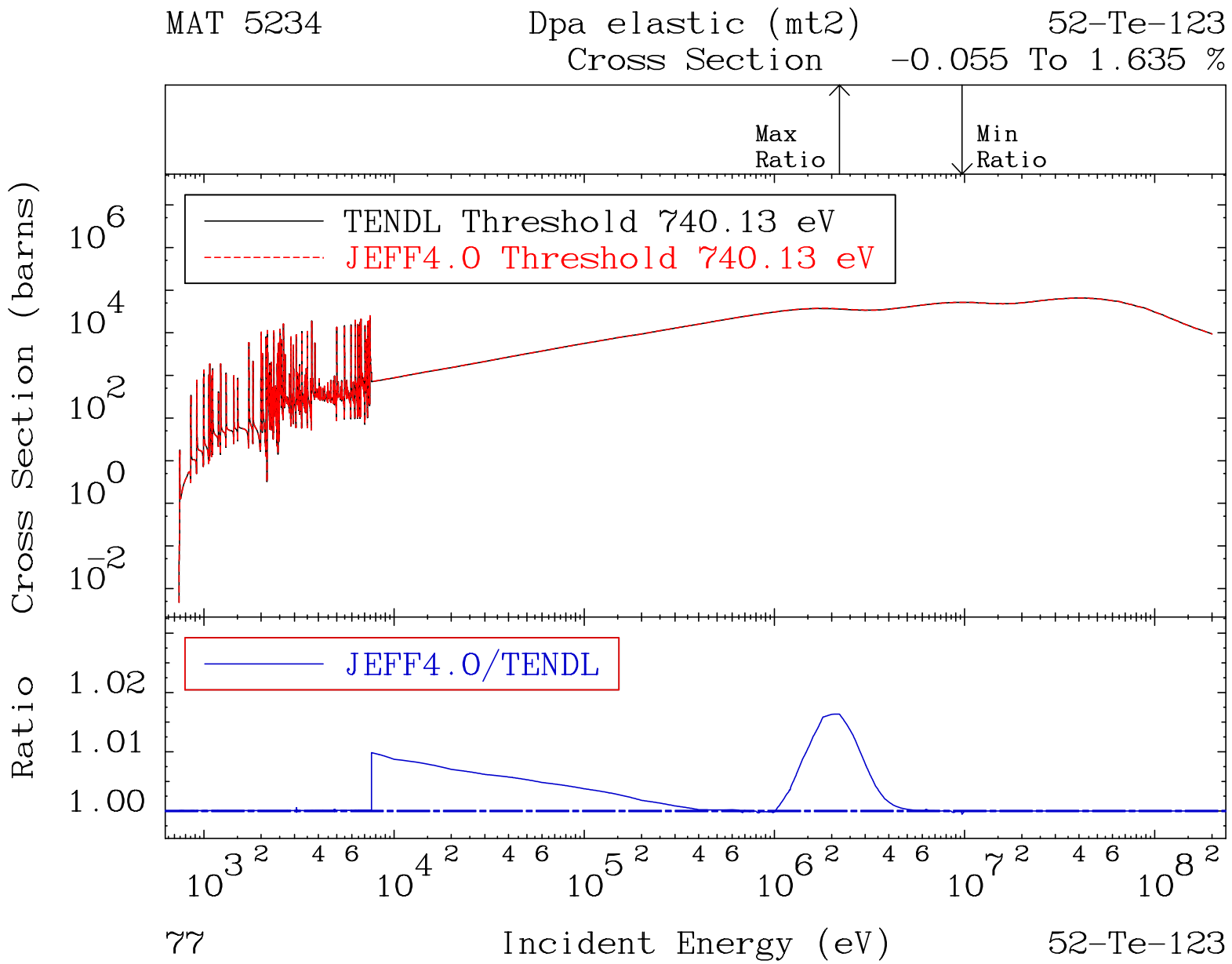

MAT 5234
(n,He-3):50-Sn-121g
52-Te-123
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.8903 MeV
JENDL5.0 Threshold 6.8838 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
500
400
300
200
100
0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
72
Incident Energy (eV)
52-Te-123

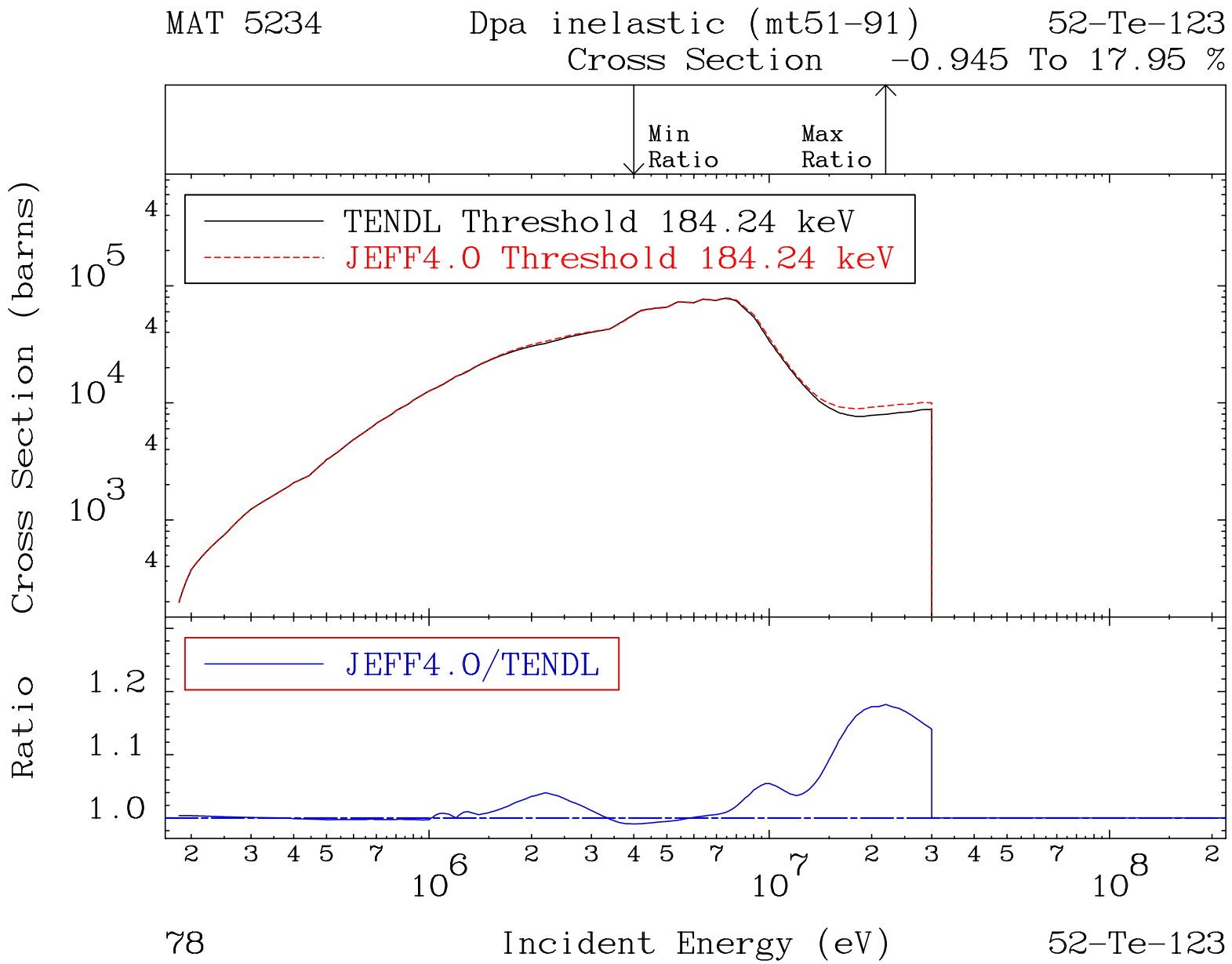

MAT 5234
(n,He-3):50-Sn-121m1
52-Te-123
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 6.8967 MeV
JENDL5.0 Threshold 6.8901 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
73
52-Te-123

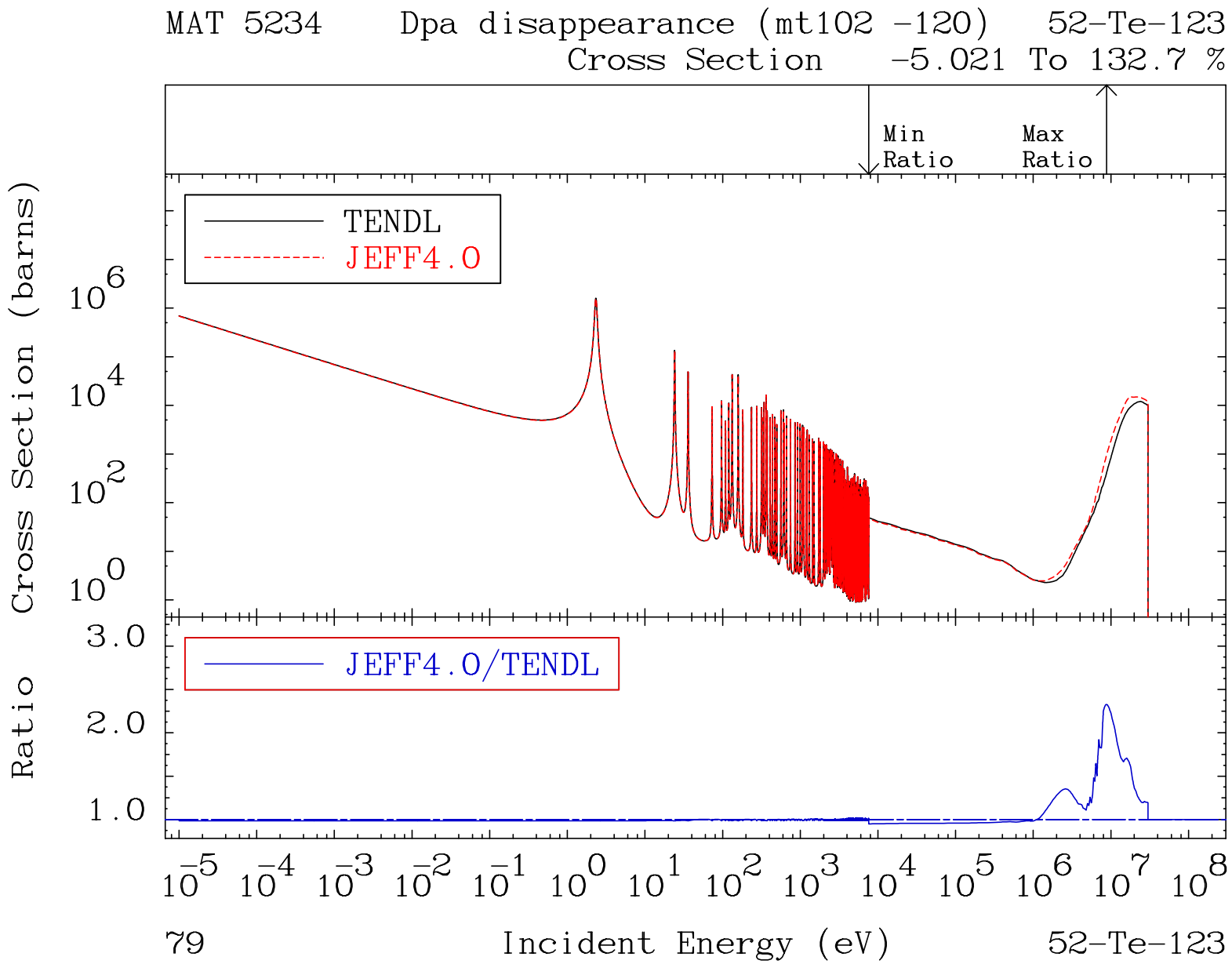

MAT 5234
Total photon (eV-barns)
52-Te-123
Cross Section -6.117 To 11.61 %
Min
Ratio
TENDL
JEFF4.0
JEFF4.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
52-Te-123

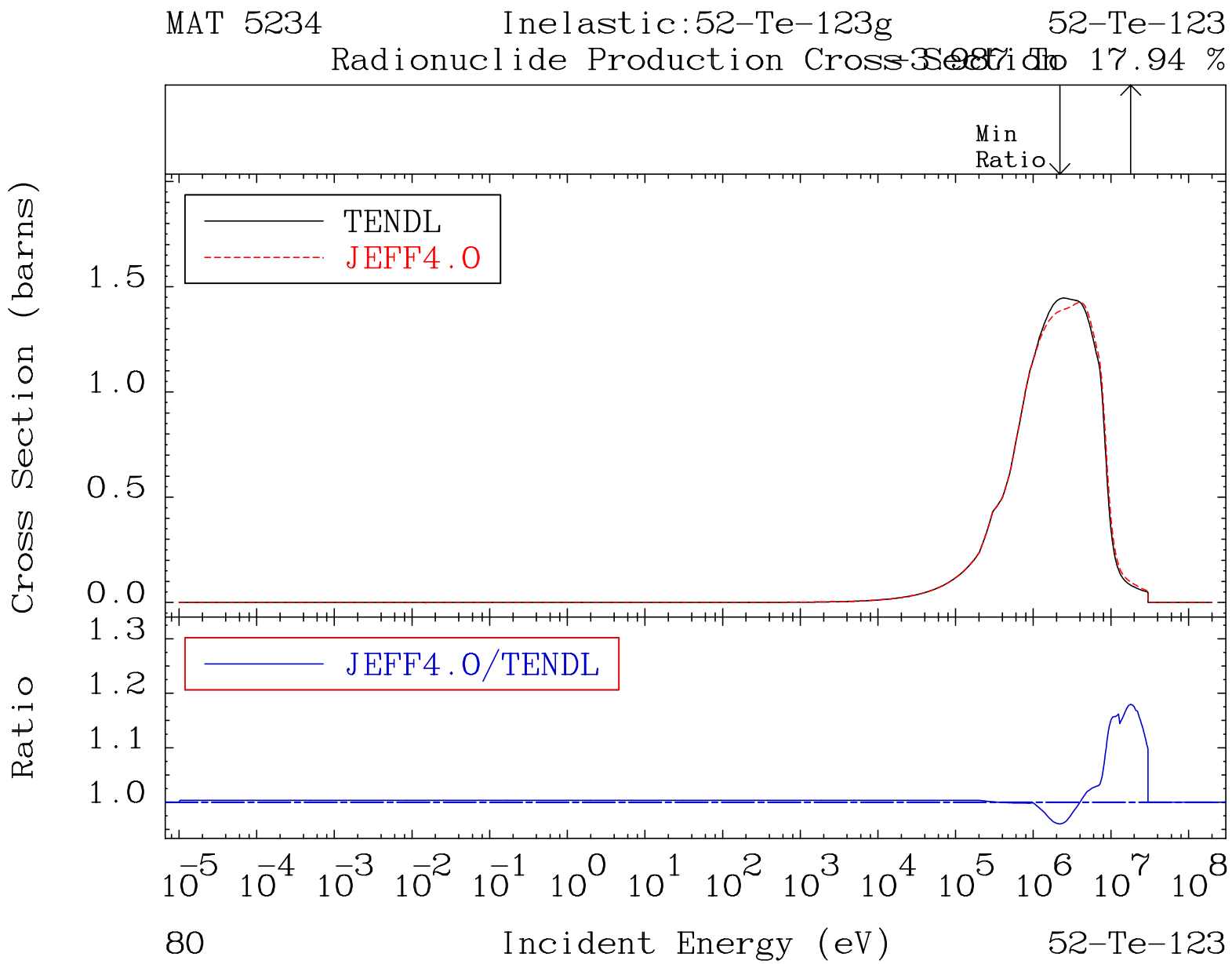

MAT 5234 Total kinematic kerma (high limit) 52-Te-123
Cross Section -6.418 To 36.37 %
Max
Ratio
TENDL
JEFF4.0
Cross Section (barns)
10^8
10^6
10^4
10^2
JEFF4.0/TENDL
Ratio
1.6
1.4
1.2
1.0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
75
Incident Energy (eV)
52-Te-123

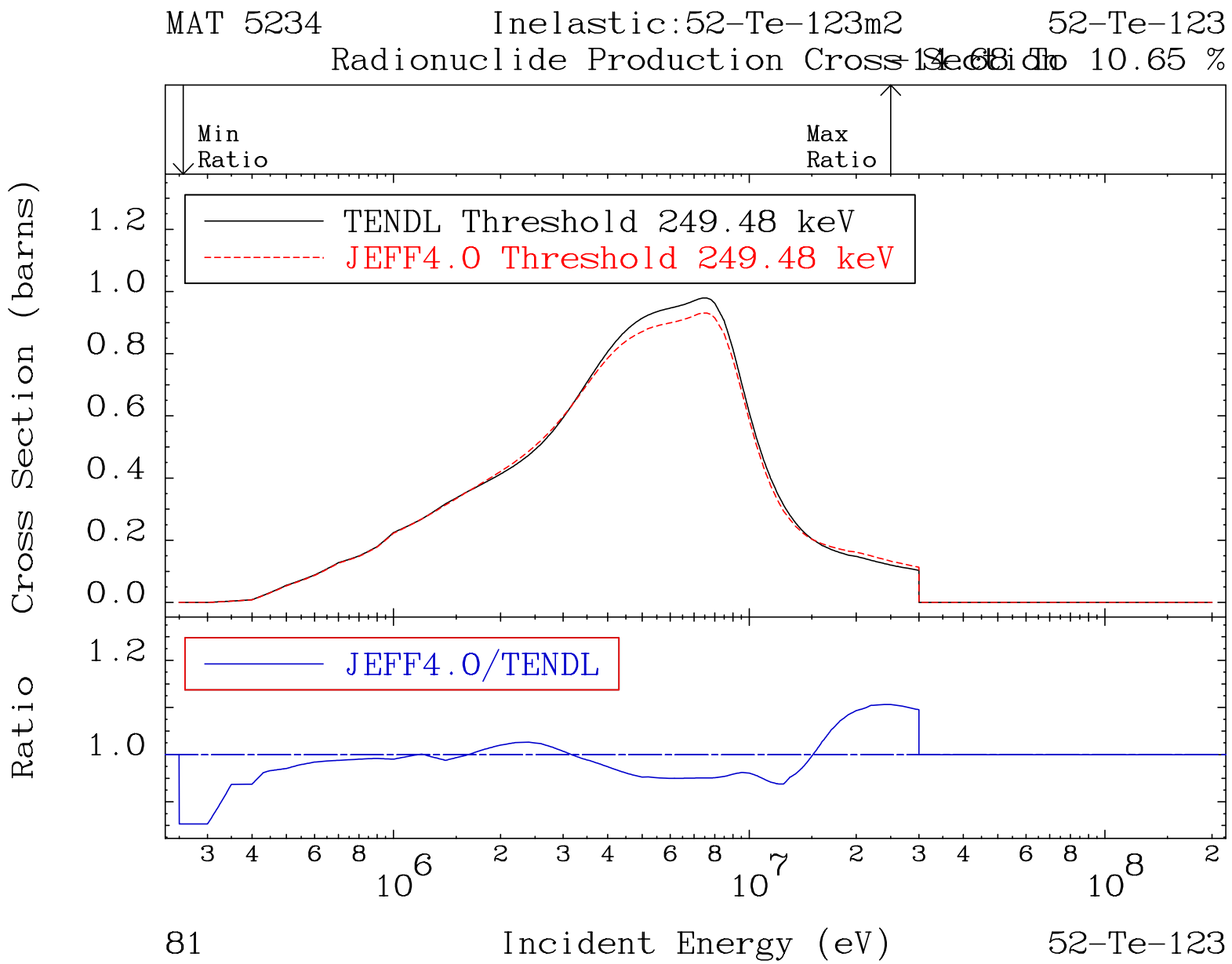

MAT 5234
Dpa total (eV-barns)
52-Te-123
Cross Section
-5.315 To 2.747 %
Max Ratio
Min Ratio
TENDL
JEFF4.0
Cross Section (barns)
JEFF4.0/TENDL
Ratio
Incident Energy (eV)
76
52-Te-123

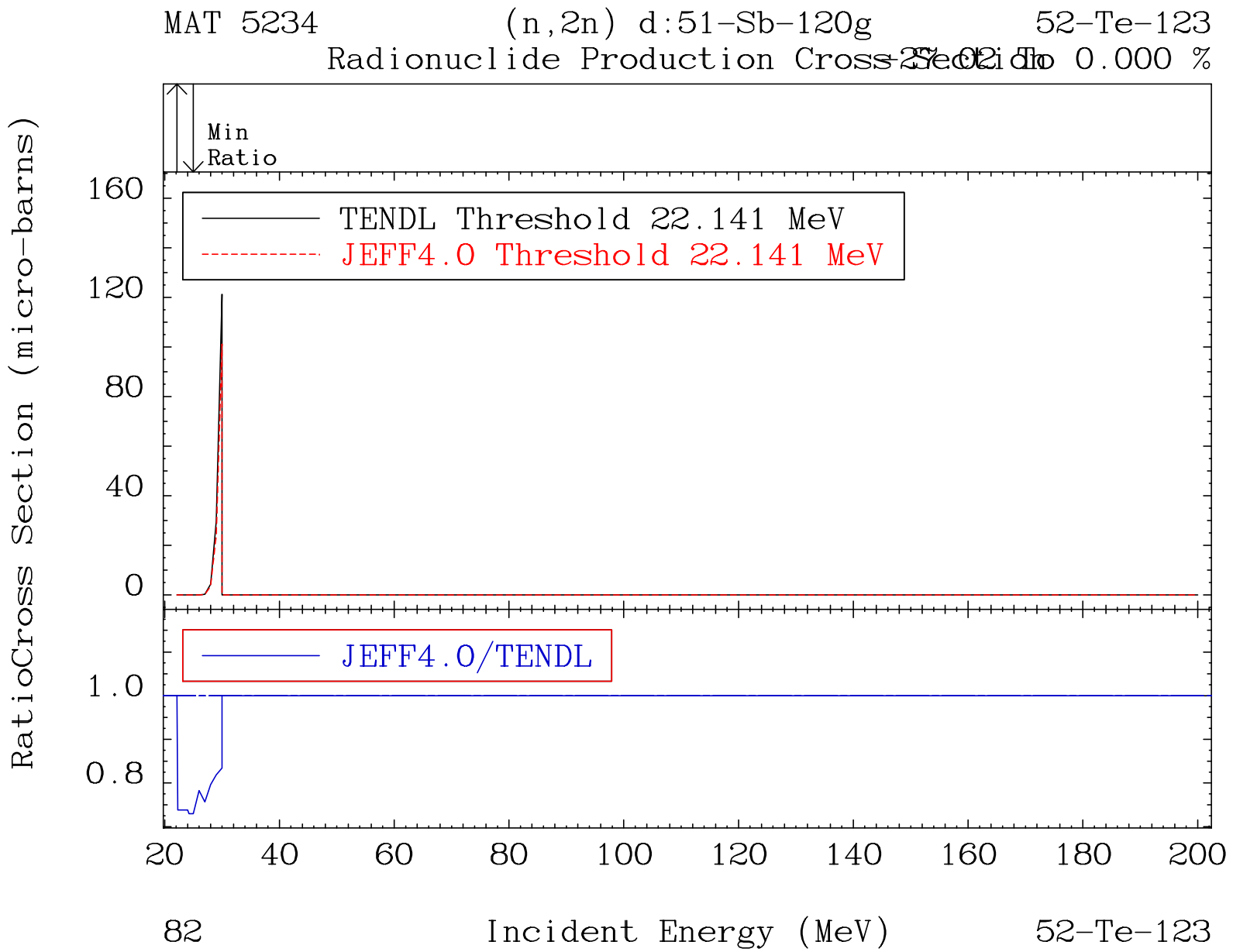

MAT 5234
Dpa elastic (mt2)
Cross Section
52-Te-123
-0.055 To 1.635 %
Max Ratio
Min Ratio
TENDL Threshold 740.13 eV
JEFF4.0 Threshold 740.13 eV
Cross Section (barns)
JEFF4.0/TENDL
Ratio
Incident Energy (eV)
77
52-Te-123

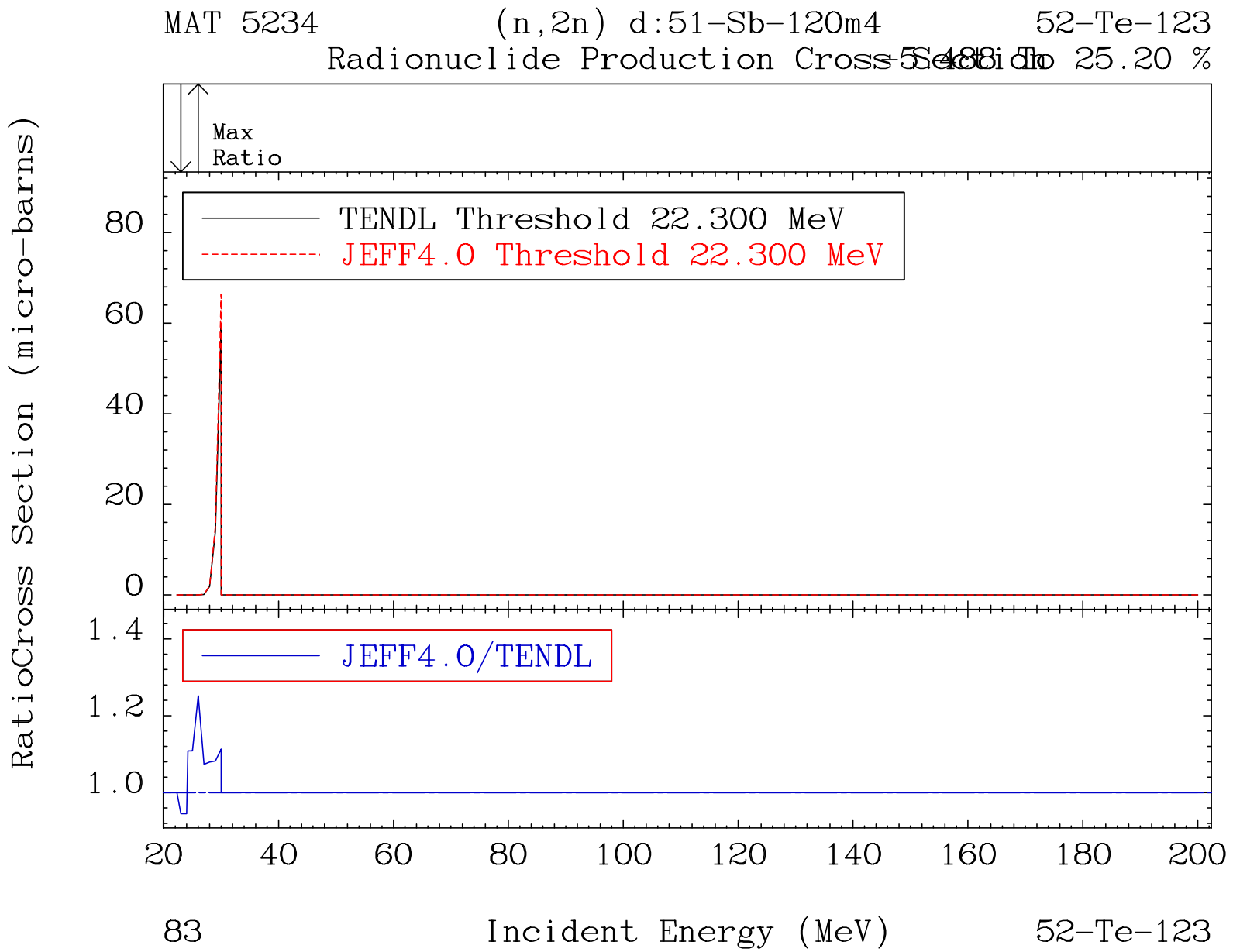

MAT 5234
Dpa inelastic (mt51-91)
52-Te-123
Cross Section
-0.945 To 17.95 %
Min Ratio
Max Ratio
TENDL Threshold 184.24 keV
JEFF4.0 Threshold 184.24 keV
Cross Section (barns)
JEFF4.0/TENDL
Ratio
Incident Energy (eV)
78
52-Te-123

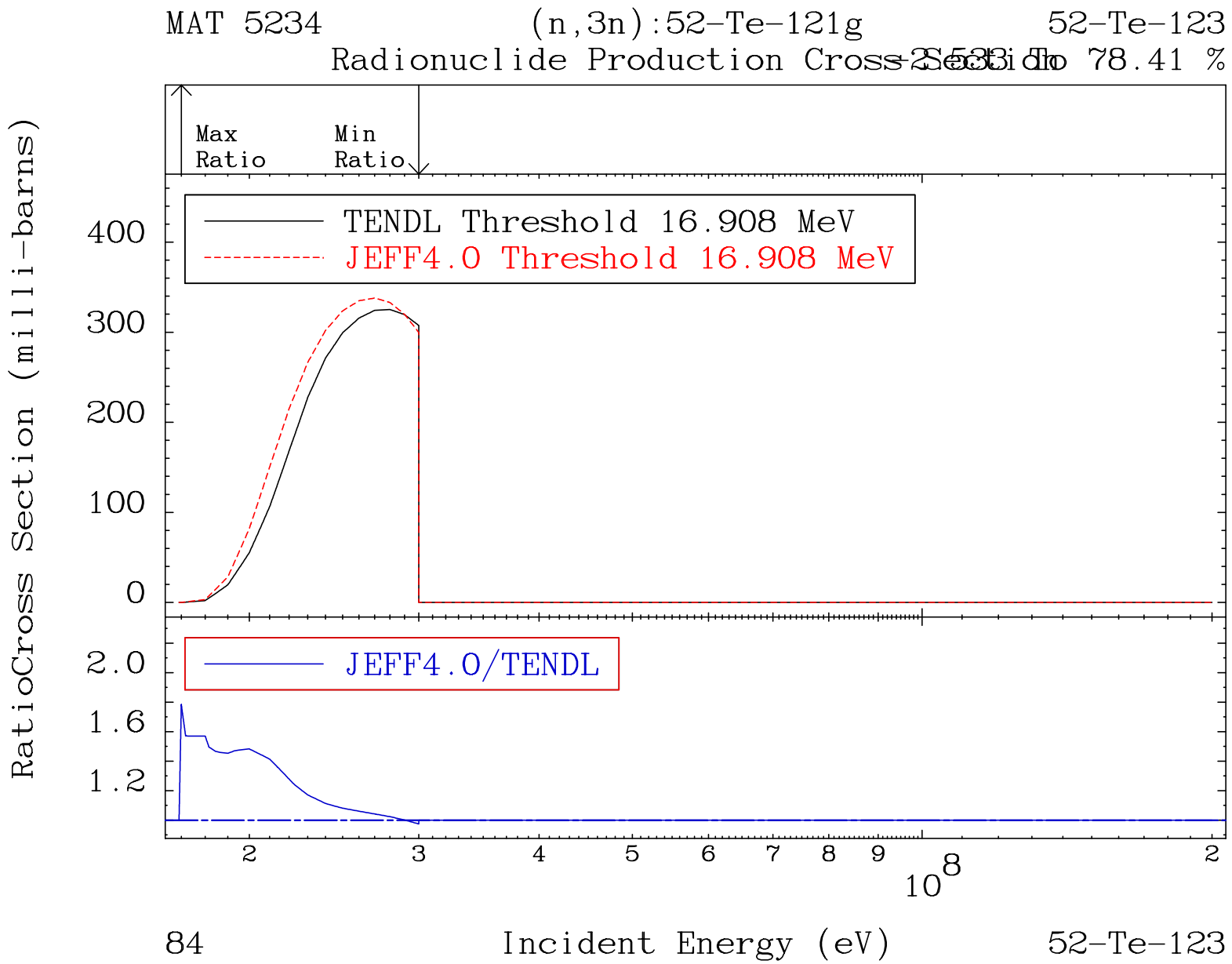

MAT 5234 Dpa disappearance (mt102 -120) 52-Te-123
Cross Section -5.021 To 132.7 %
Min Ratio
Max Ratio
TENDL
JEFF4.0
Cross Section (barns)
JEFF4.0/TENDL
Ratio
Incident Energy (eV)
79
52-Te-123

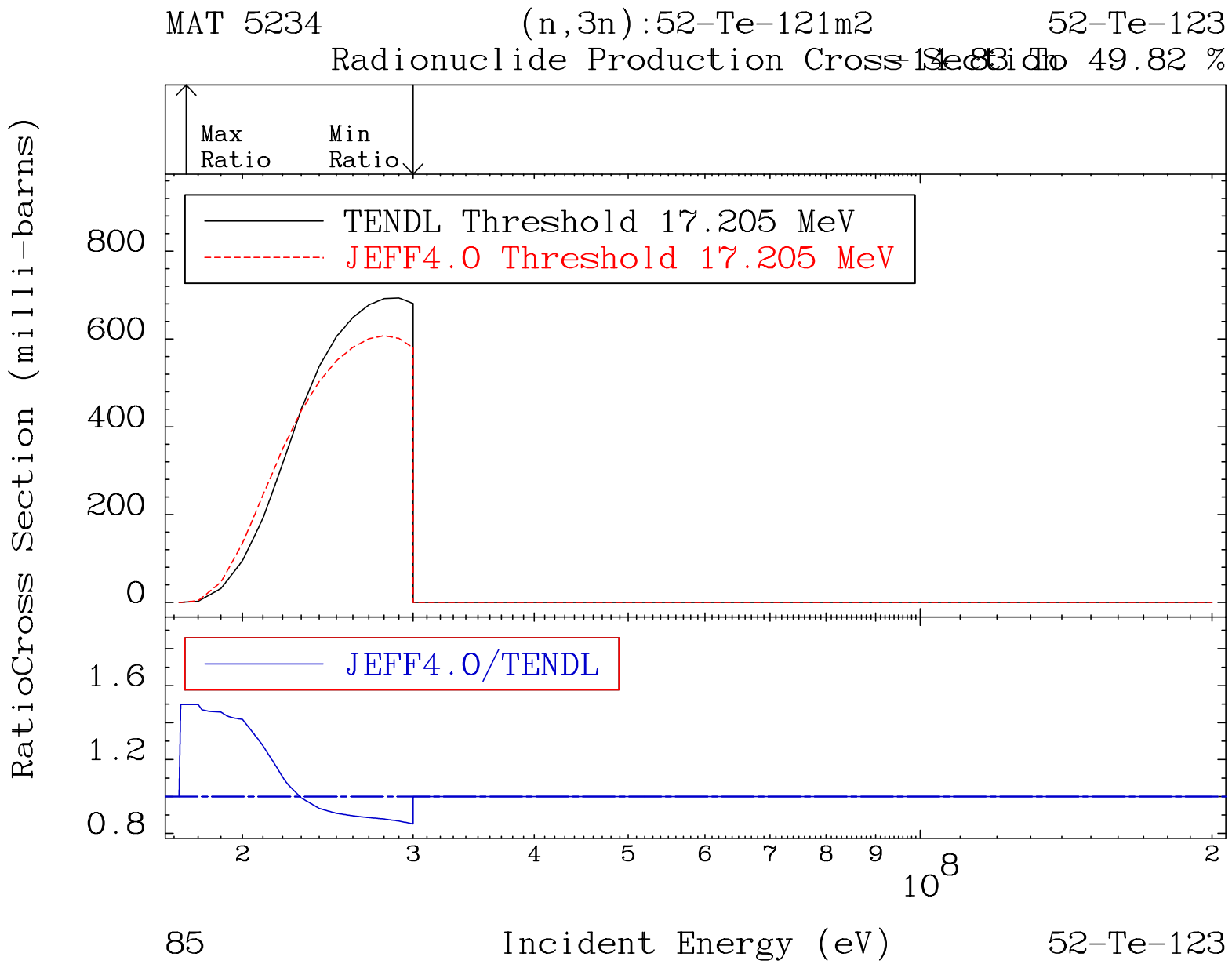

MAT 5234
Inelastic:52-Te-123g
52-Te-123
Radionuclide Production Cross Section
-3.087 To 17.94 %
Min
Ratio
TENDL
JEFF4.0
JEFF4.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
1.3
1.2
1.1
1.0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
80
Incident Energy (eV)
52-Te-123

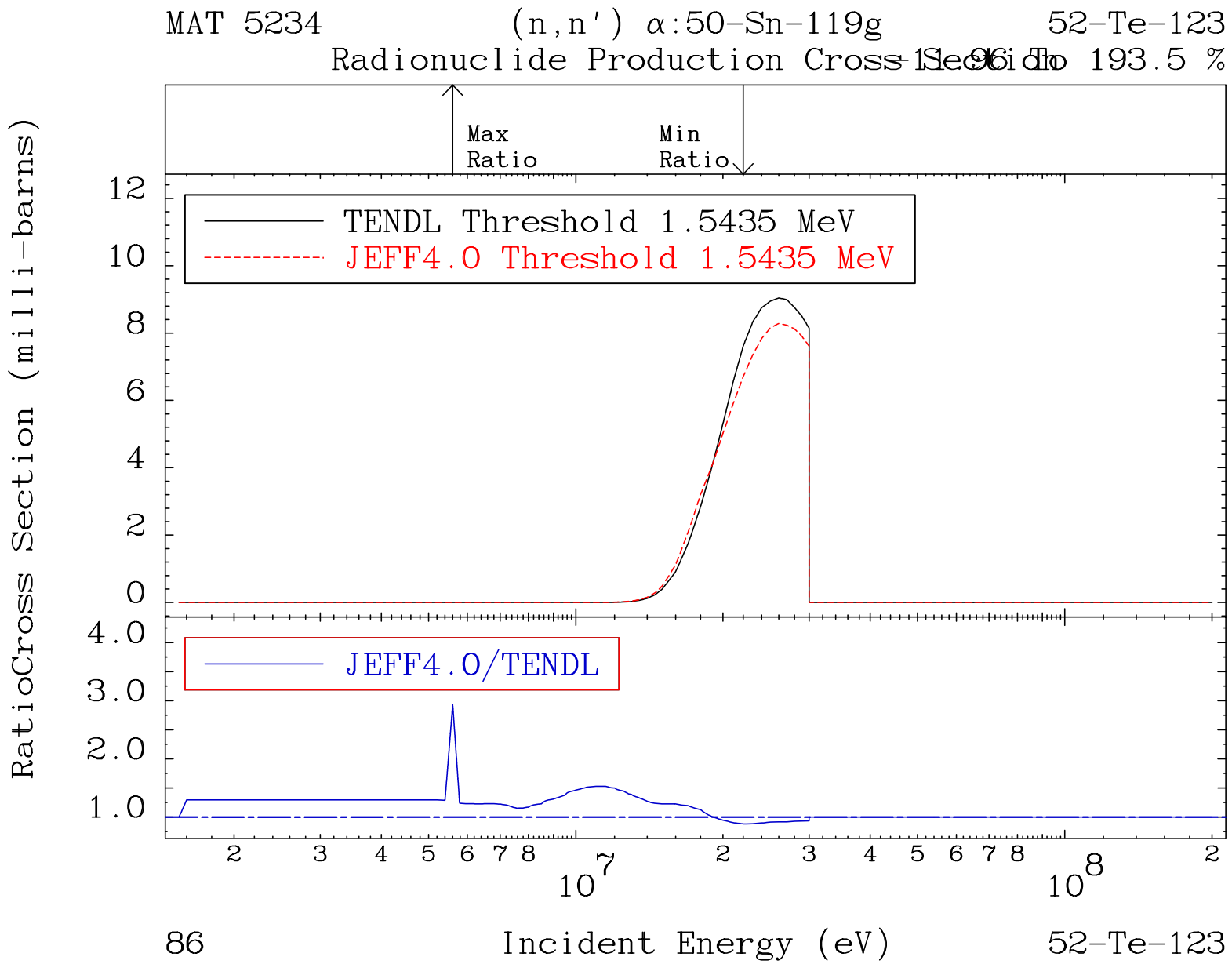

MAT 5234
Inelastic:52-Te-123m2
52-Te-123
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 249.48 keV
JEFF4.0 Threshold 249.48 keV
JEFF4.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
81
52-Te-123

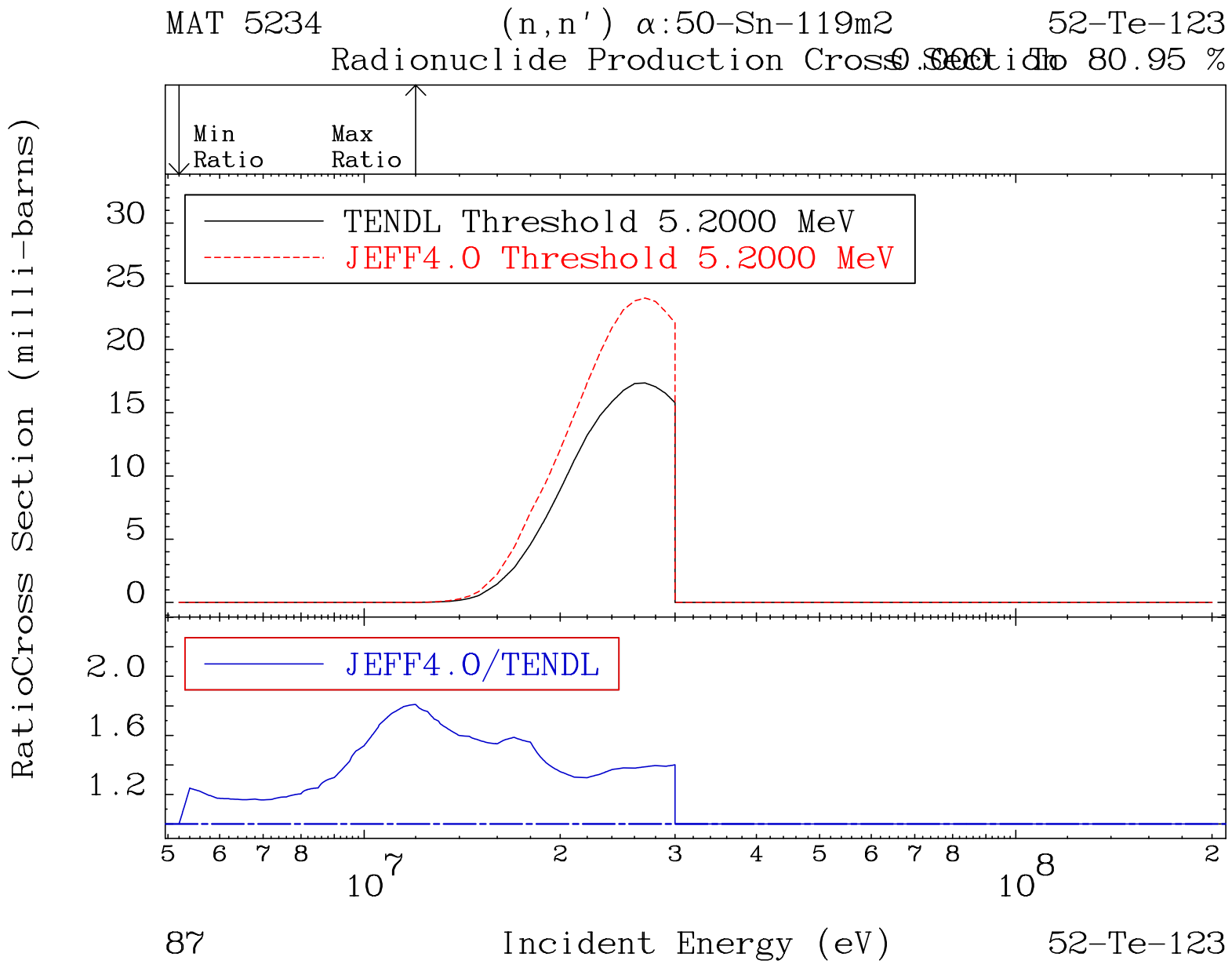

MAT 5234
(n,2n) d:51-Sb-120g
52-Te-123
Radionuclide Production Cross Section
Min
Ratio
TENDL Threshold 22.141 MeV
JEFF4.0 Threshold 22.141 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
160
120
80
40
0
1.0
0.8
20
40
60
80
100
120
140
160
180
200
82
Incident Energy (MeV)
52-Te-123

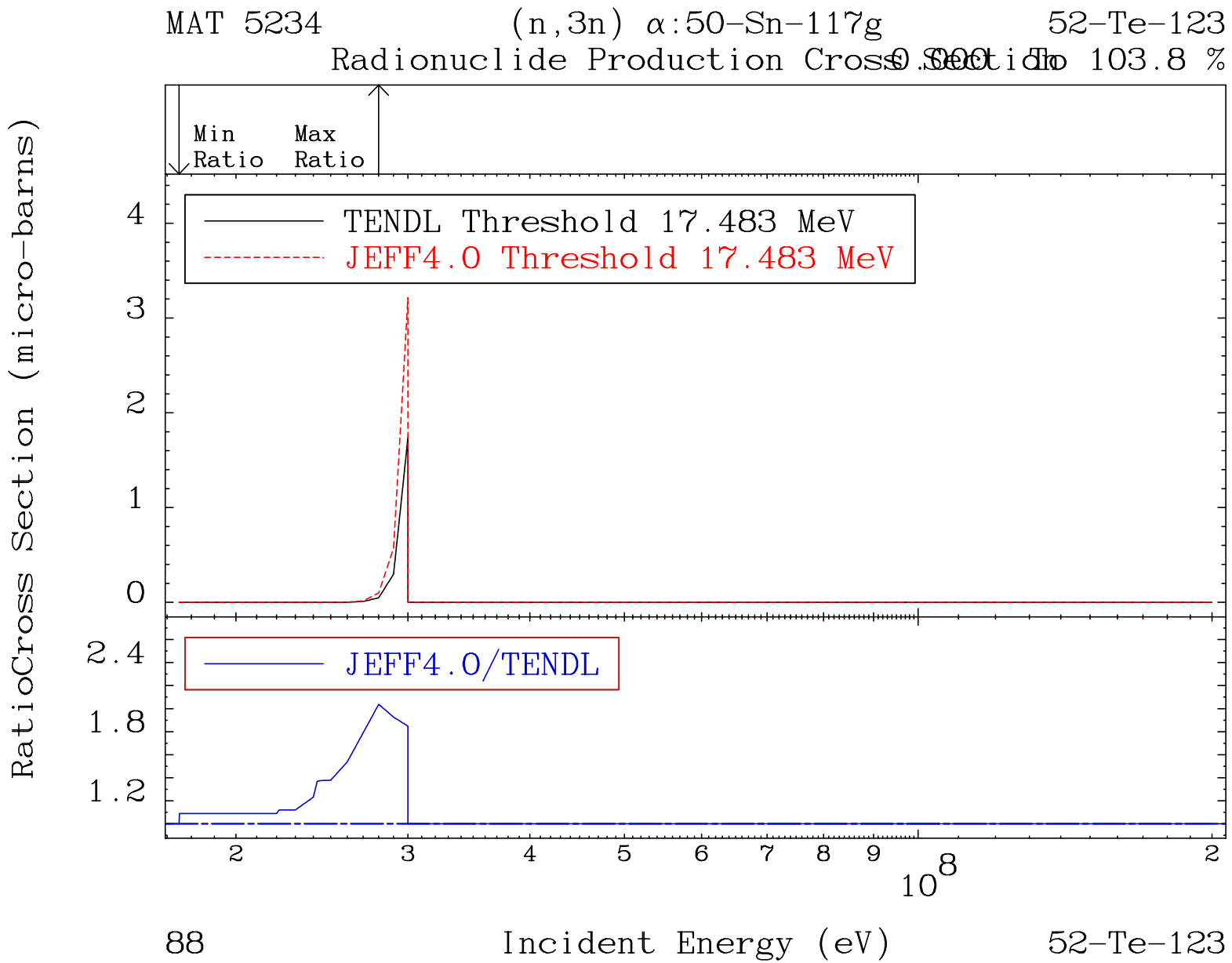

MAT 5234
(n,2n) d:51-Sb-120m4
52-Te-123
Radionuclide Production Cross Section To 25.20 %
Max
Ratio
TENDL Threshold 22.300 MeV
JEFF4.0 Threshold 22.300 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
80
60
40
20
0
1.4
1.2
1.0
20
40
60
80
100
120
140
160
180
200
83
Incident Energy (MeV)
52-Te-123

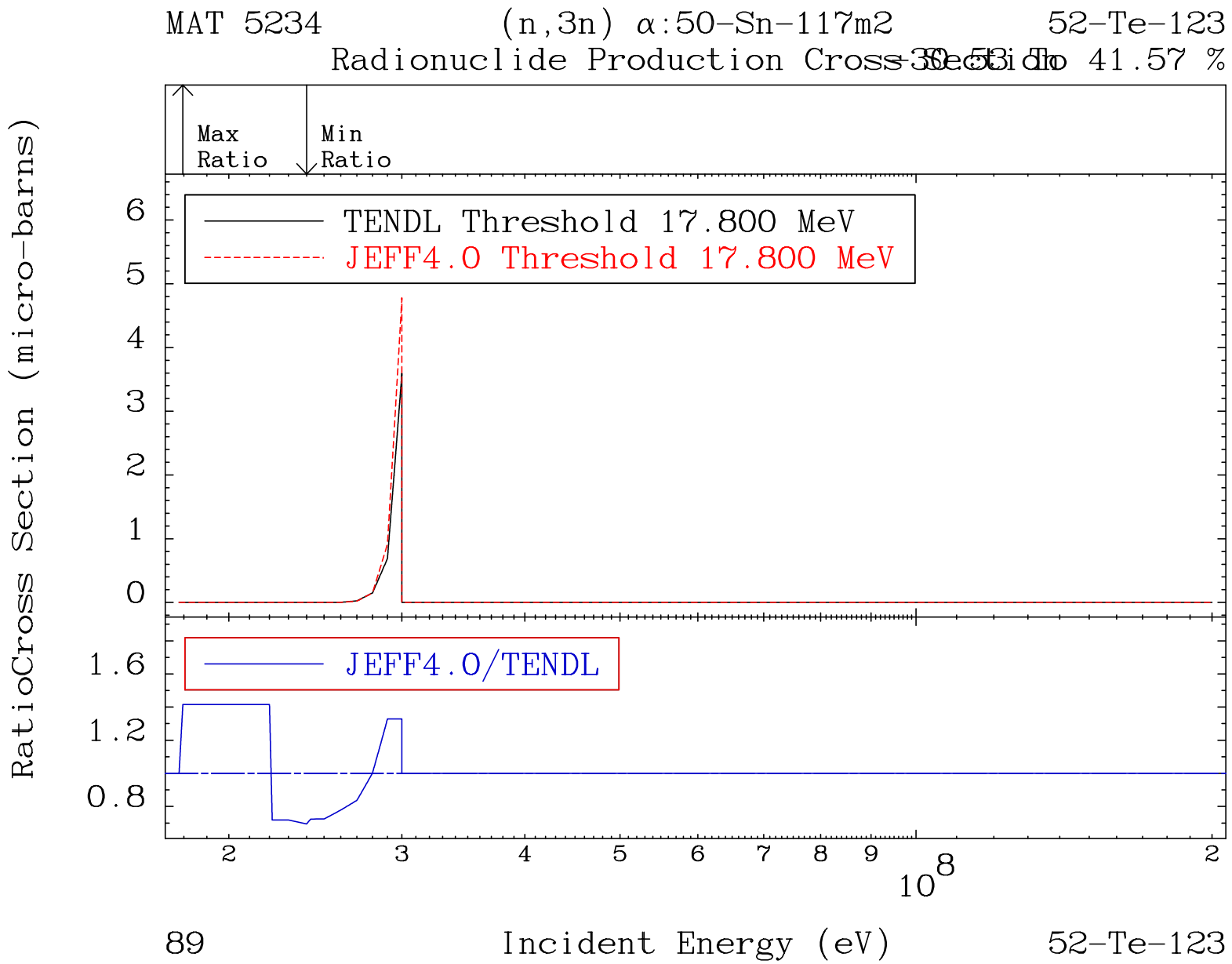

MAT 5234
(n,3n):52-Te-121g
52-Te-123
Radionuclide Production Cross Section To 78.41 %
Max Ratio
Min Ratio
TENDL Threshold 16.908 MeV
JEFF4.0 Threshold 16.908 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
52-Te-123

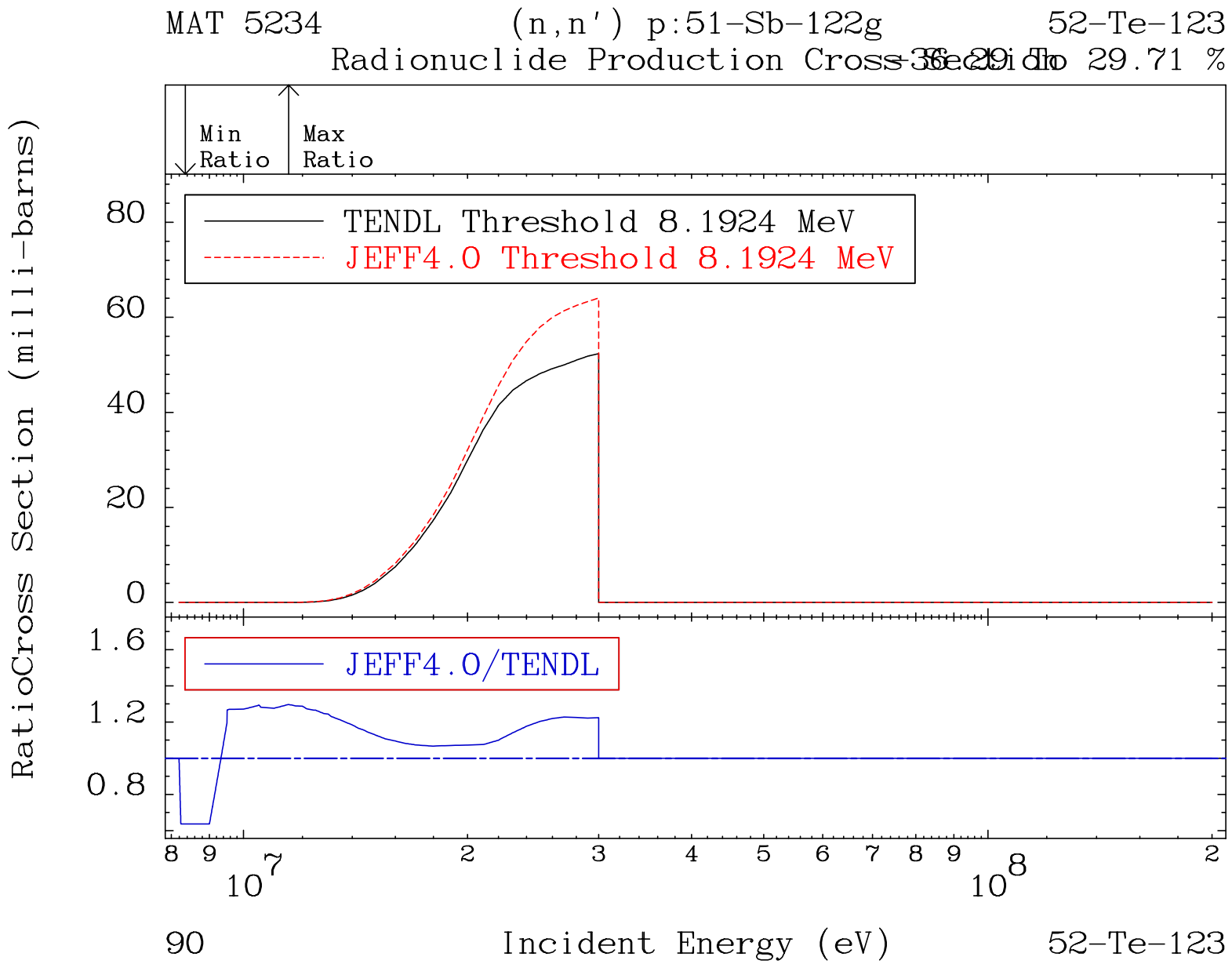

MAT 5234
(n,3n):52-Te-121m2
52-Te-123
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 17.205 MeV
JEFF4.0 Threshold 17.205 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
1.6
1.2
0.8
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
52-Te-123

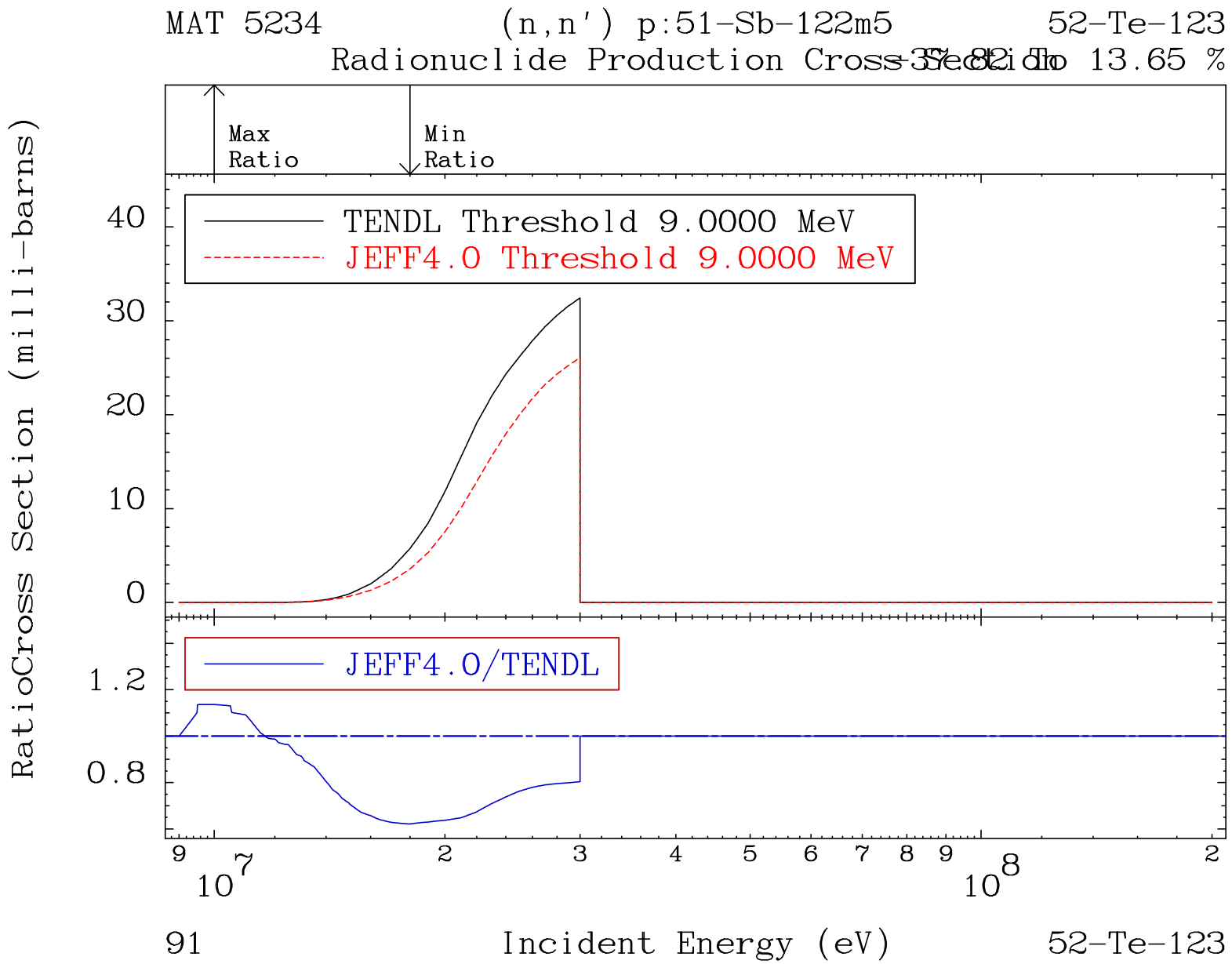

MAT 5234
(n,n') α:50-Sn-119g
52-Te-123
Radionuclide Production Cross-Section
96 to 193.5 %
Max Ratio
Min Ratio
TENDL Threshold 1.5435 MeV
JEFF4.0 Threshold 1.5435 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
86
52-Te-123

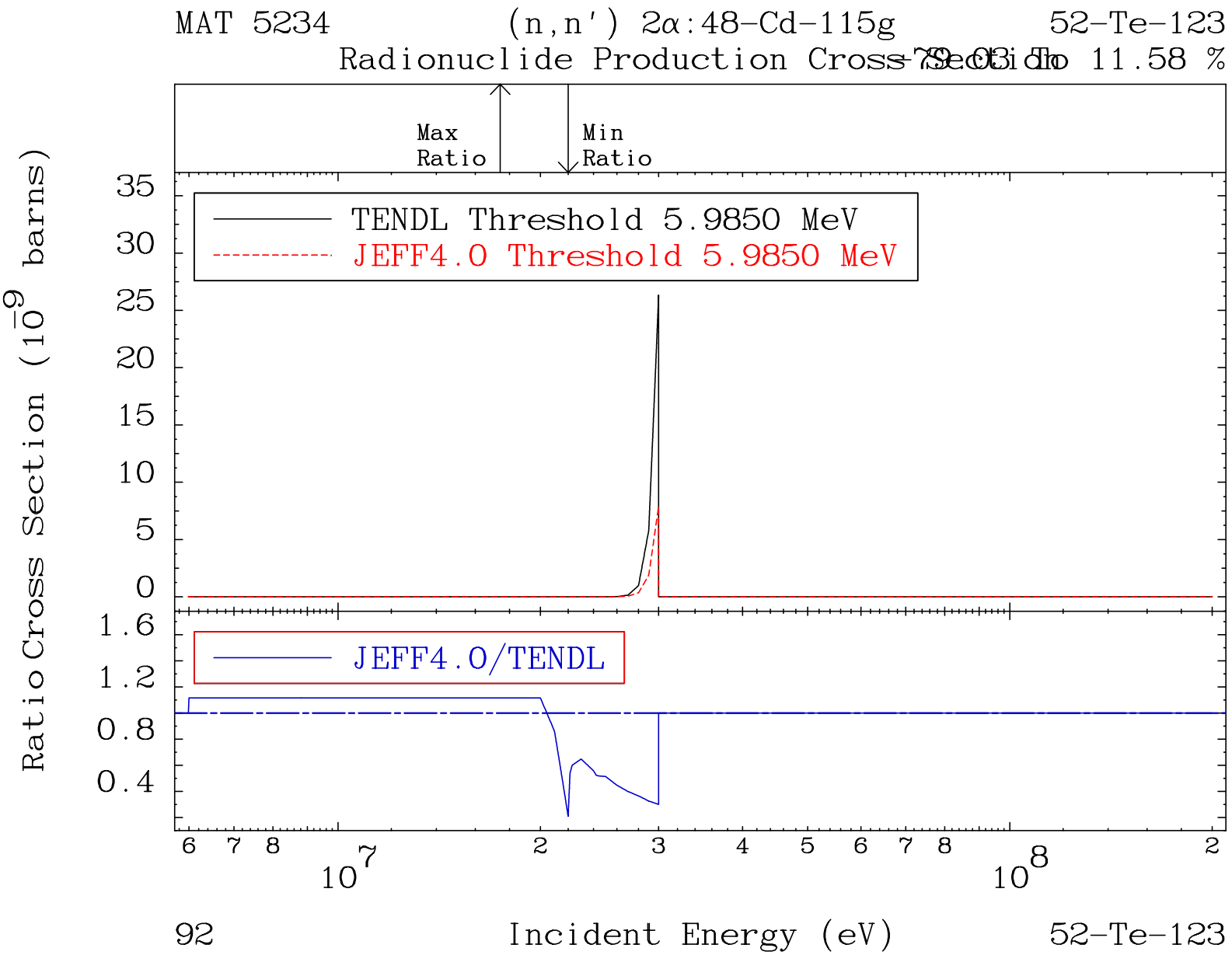

MAT 5234
(n,n') α:50-Sn-119m2
52-Te-123
Radionuclide Production Cross Section
0.000 To 80.95 %
Min Ratio
Max Ratio
TENDL Threshold 5.2000 MeV
JEFF4.0 Threshold 5.2000 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
2.0
1.6
1.2
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
87
Incident Energy (eV)
52-Te-123

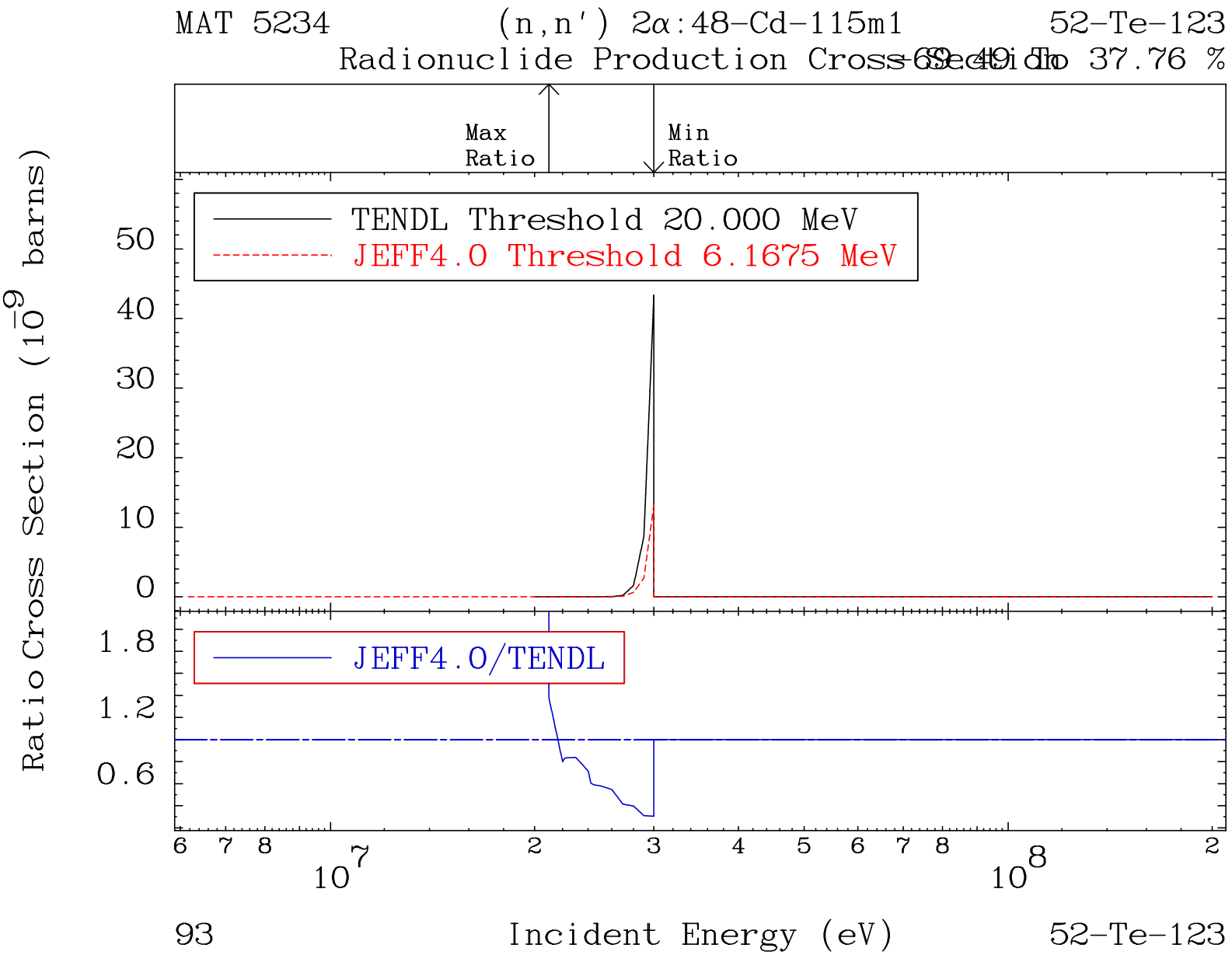

MAT 5234
(n,3n) α:50-Sn-117g
52-Te-123
Radionuclide Production Cross Section To 103.8 %
Min Ratio
Max Ratio
TENDL Threshold 17.483 MeV
JEFF4.0 Threshold 17.483 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
88
52-Te-123

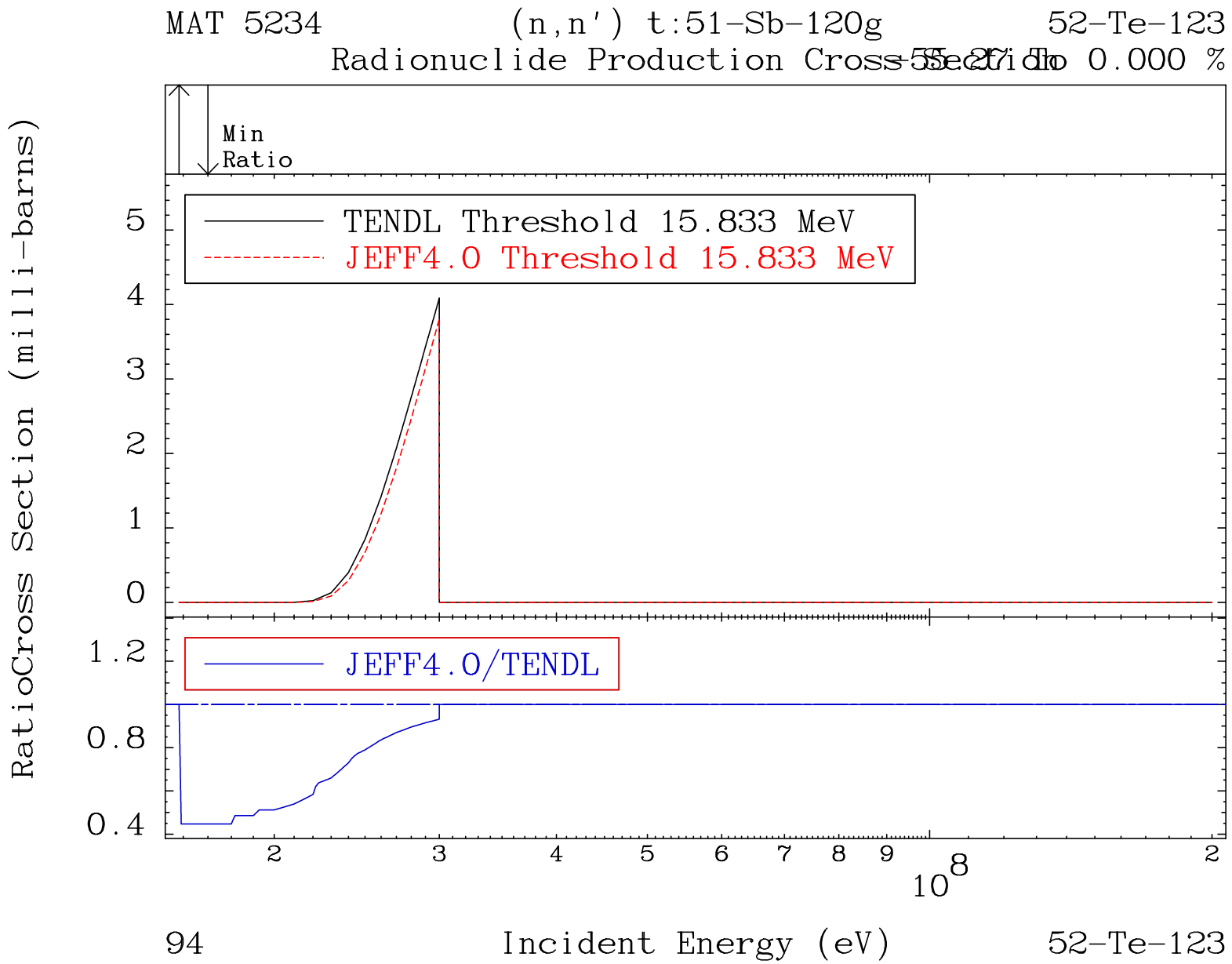

MAT 5234
(n,3n) α:50-Sn-117m2
52-Te-123
Radionuclide Production Cross-Section
Max Ratio
Min Ratio
TENDL Threshold 17.800 MeV
JEFF4.0 Threshold 17.800 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
89
52-Te-123

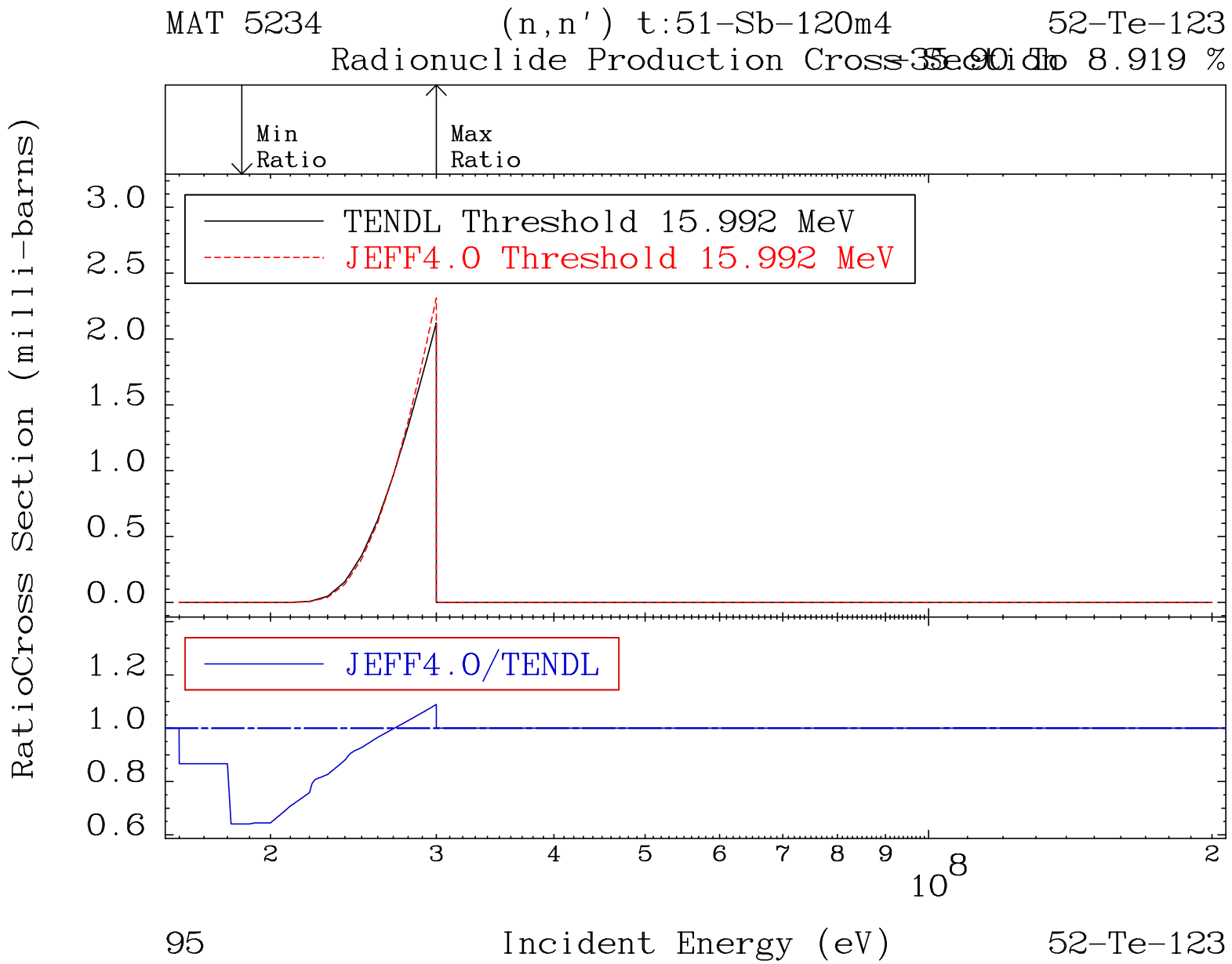

MAT 5234
(n,n') p:51-Sb-122g
52-Te-123
Radionuclide Production Cross-Section
Min Ratio
Max Ratio
TENDL Threshold 8.1924 MeV
JEFF4.0 Threshold 8.1924 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
90
52-Te-123

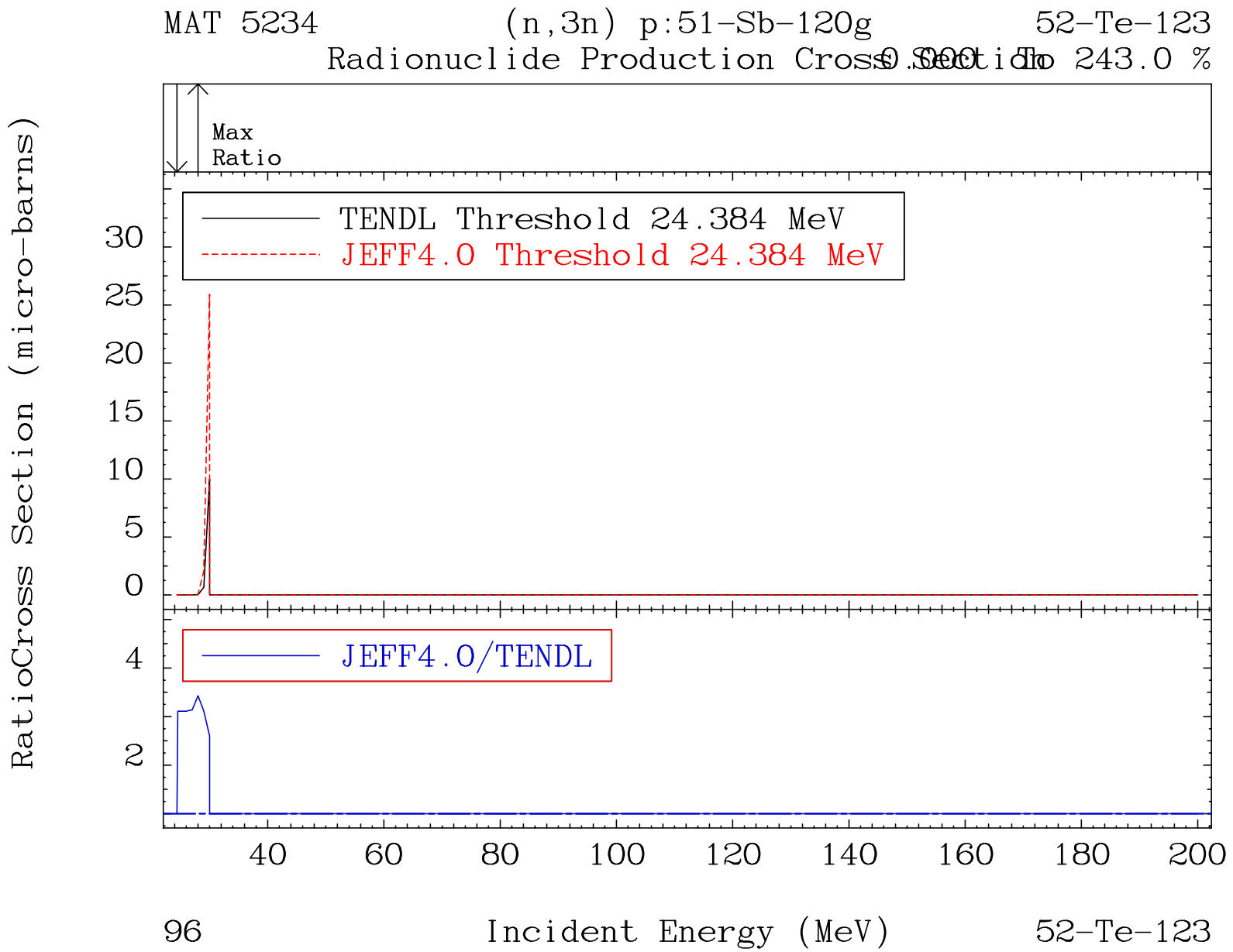

MAT 5234
(n,n') p:51-Sb-122m5
52-Te-123
Radionuclide Production Cross-Section To 13.65 %
Max Ratio
Min Ratio
TENDL Threshold 9.0000 MeV
JEFF4.0 Threshold 9.0000 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
1.2
0.8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
91
Incident Energy (eV)
52-Te-123

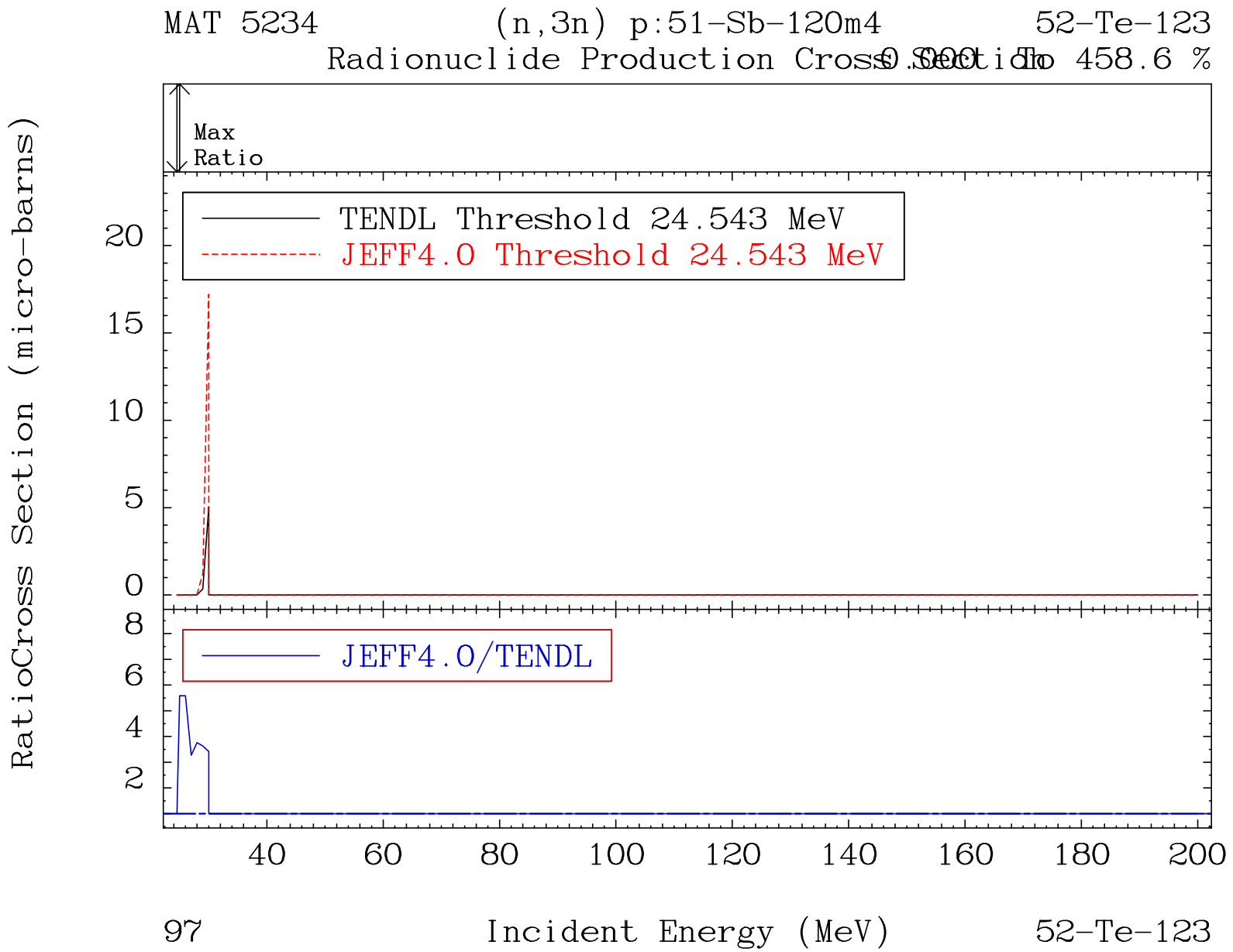

MAT 5234
(n,n') 2α:48-Cd-115g
52-Te-123
Radionuclide Production Cross Section To 11.58 %
Max Ratio
Min Ratio
TENDL Threshold 5.9850 MeV
JEFF4.0 Threshold 5.9850 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^{-9} barns)
35
30
25
20
15
10
5
0
1.6
1.2
0.8
0.4
6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
92
Incident Energy (eV)
52-Te-123

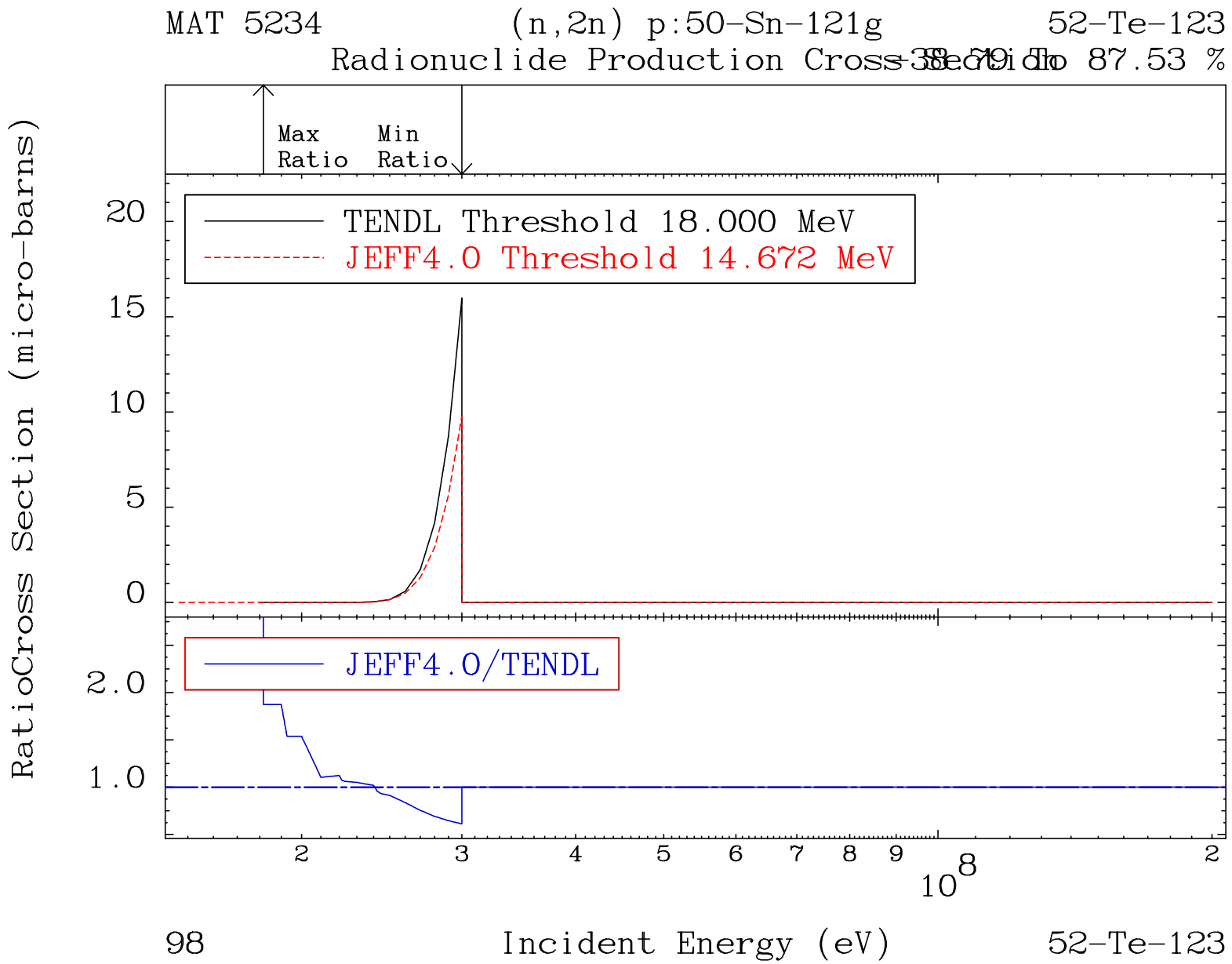

MAT 5234
(n,n') 2α:48-Cd-115m1
52-Te-123
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 20.000 MeV
JEFF4.0 Threshold 6.1675 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
93
52-Te-123

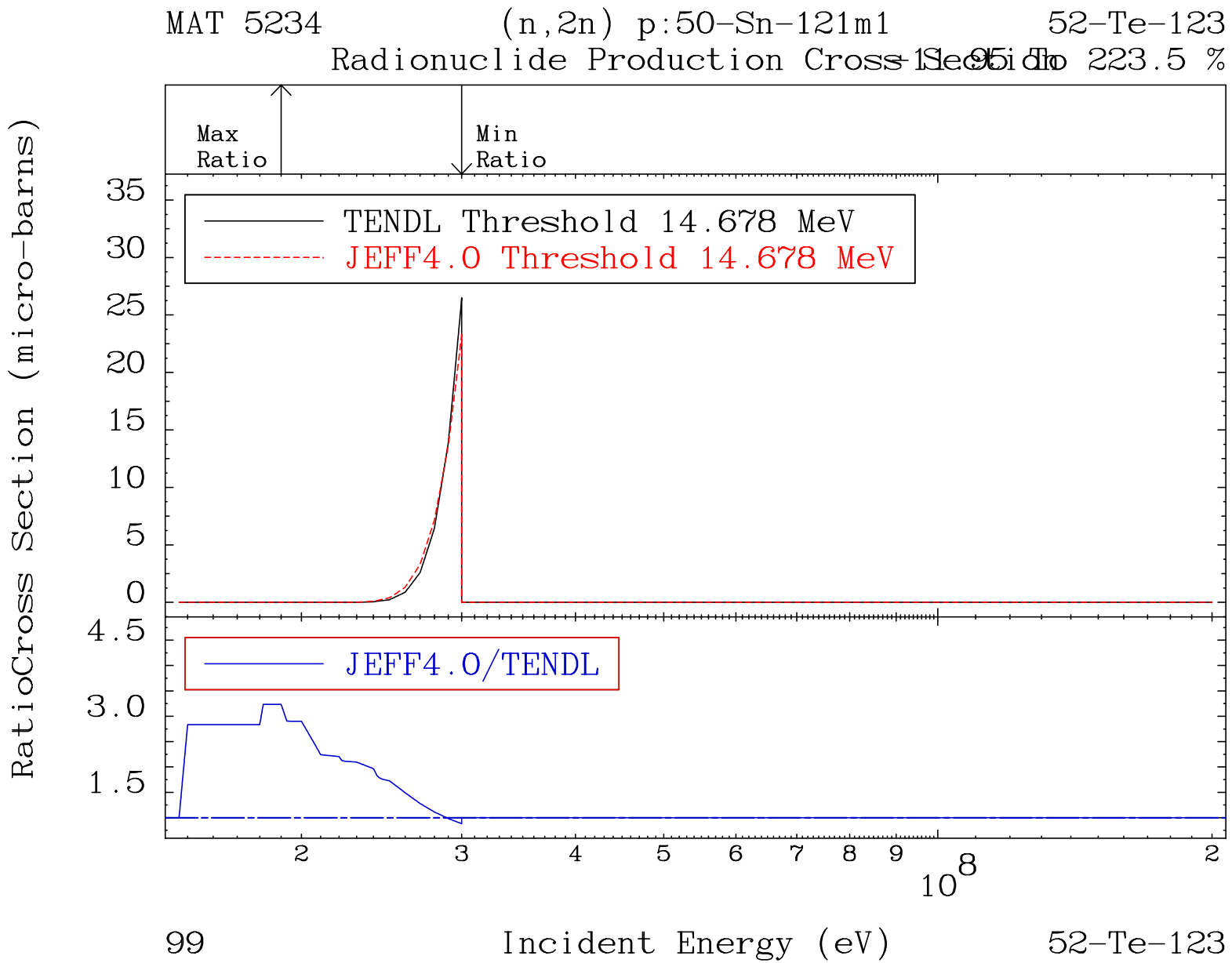

MAT 5234
(n,n') t:51-Sb-120g
52-Te-123
Radionuclide Production Cross Section To 0.000 %
Min
Ratio
TENDL Threshold 15.833 MeV
JEFF4.0 Threshold 15.833 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
94
52-Te-123

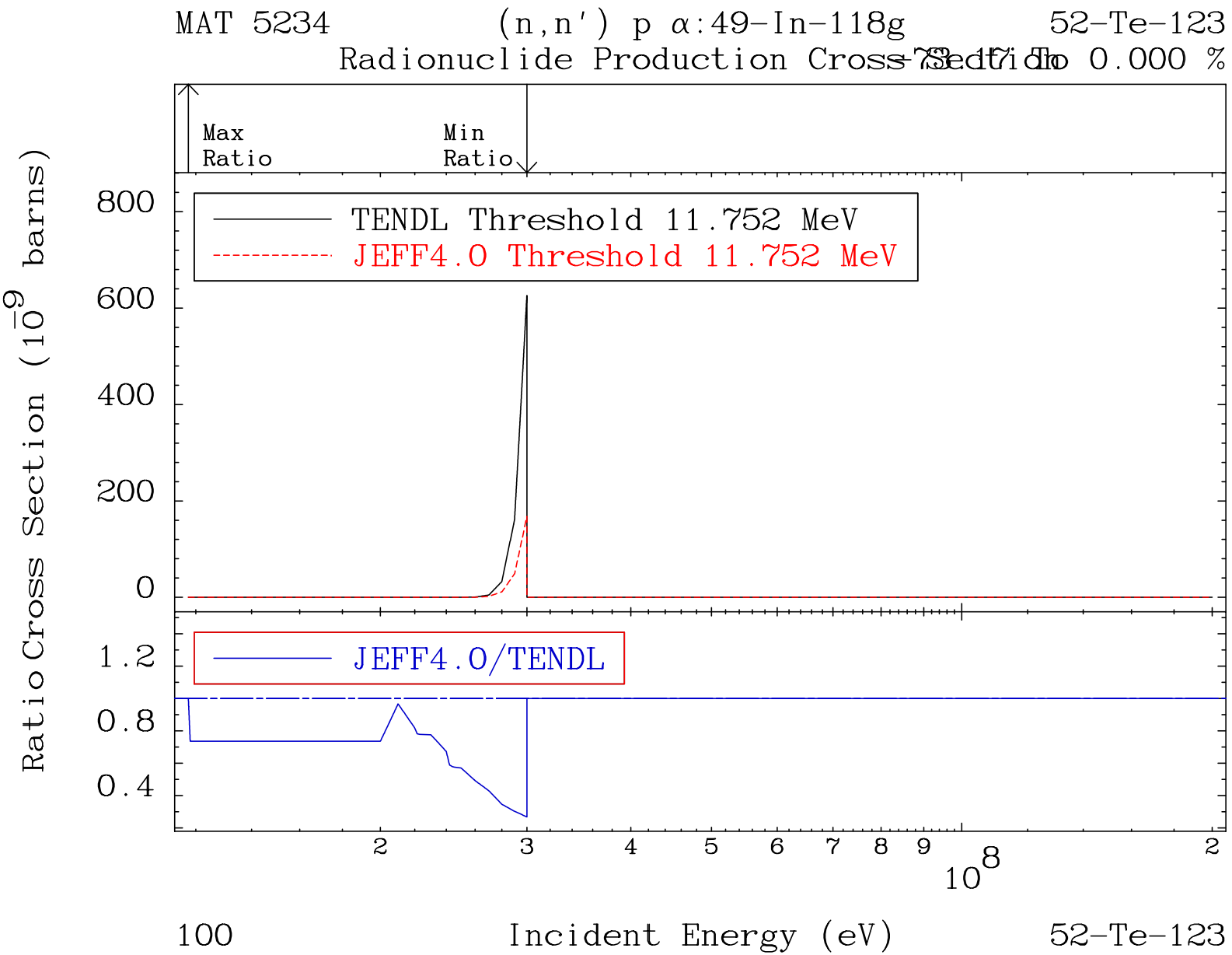

MAT 5234
(n,n') t:51-Sb-120m4
52-Te-123
Radionuclide Production Cross-Section to 8.919 %
Min Ratio
Max Ratio
TENDL Threshold 15.992 MeV
JEFF4.0 Threshold 15.992 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.2
1.0
0.8
0.6
2
3
4
5
6
7
8
9
10^8
2
95
Incident Energy (eV)
52-Te-123

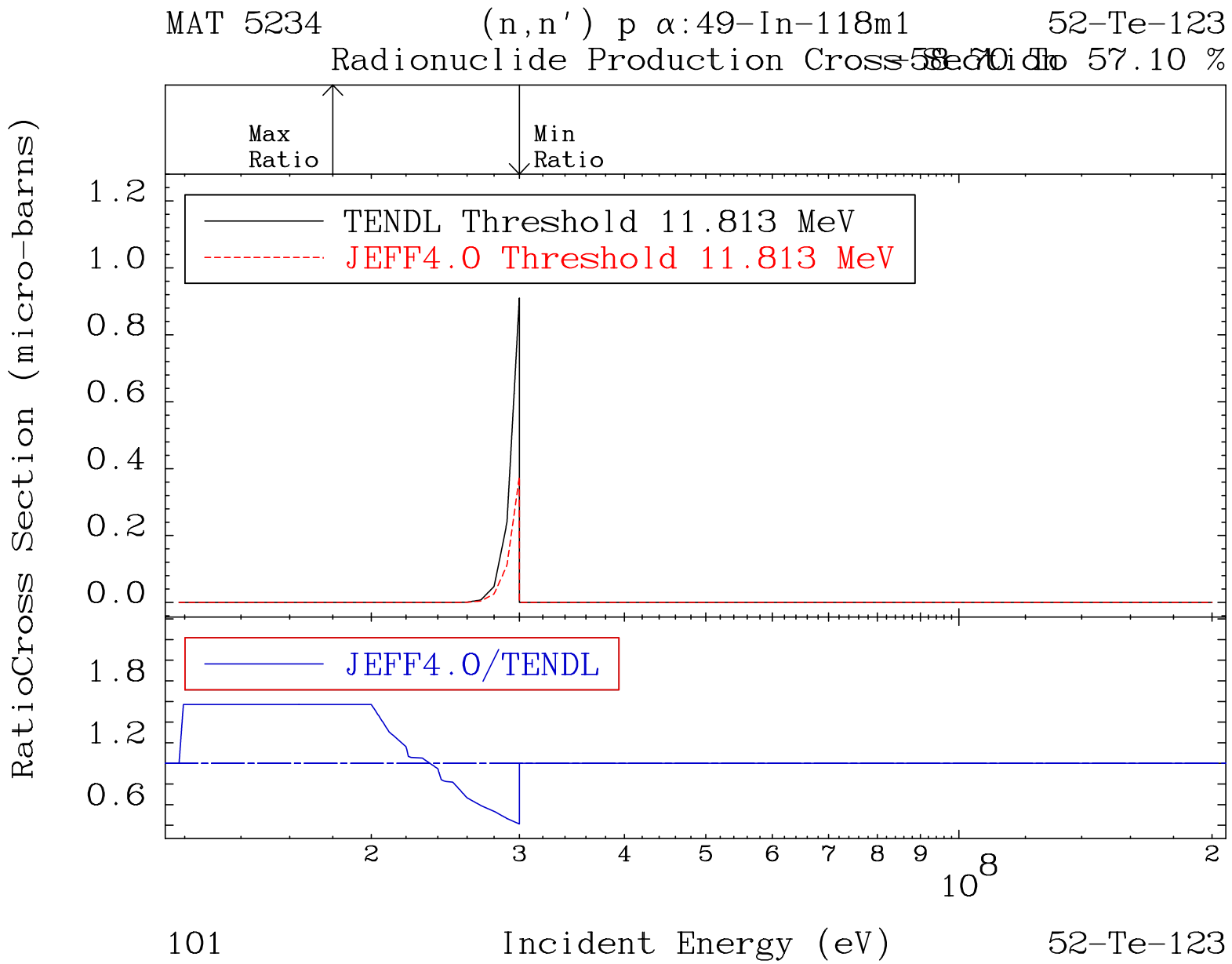

MAT 5234
(n,3n) p:51-Sb-120g
52-Te-123
Radionuclide Production Cross Section
0.000 To 243.0 %
Max
Ratio
TENDL Threshold 24.384 MeV
JEFF4.0 Threshold 24.384 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
30
25
20
15
10
5
0
4
2
40
60
80
100
120
140
160
180
200
96
Incident Energy (MeV)
52-Te-123

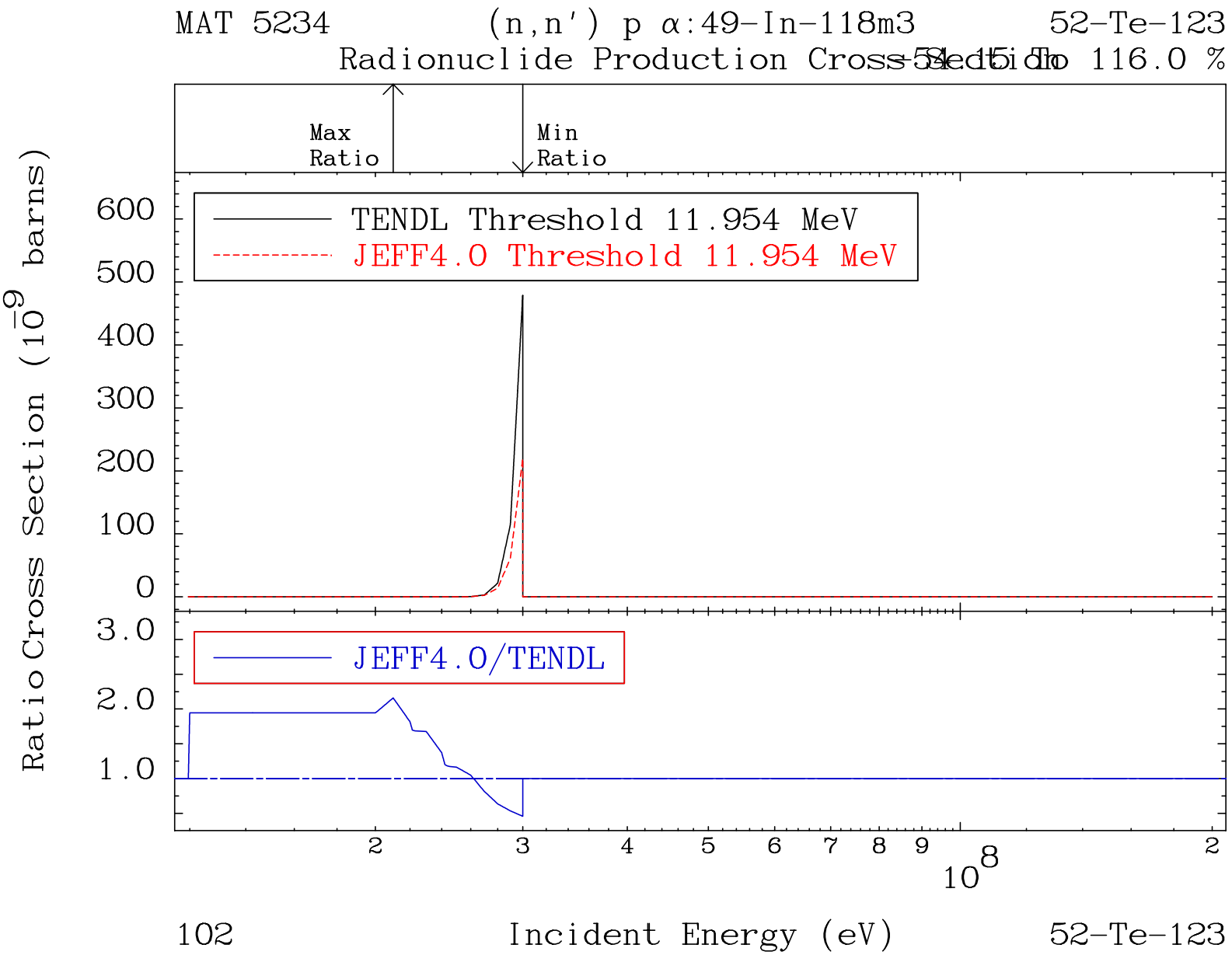

MAT 5234
(n,3n) p:51-Sb-120m4
52-Te-123
Radionuclide Production Cross Section
0.000 To 458.6 %
Max
Ratio
TENDL Threshold 24.543 MeV
JEFF4.0 Threshold 24.543 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
20
15
10
5
0
8
6
4
2
40
60
80
100
120
140
160
180
200
97
Incident Energy (MeV)
52-Te-123

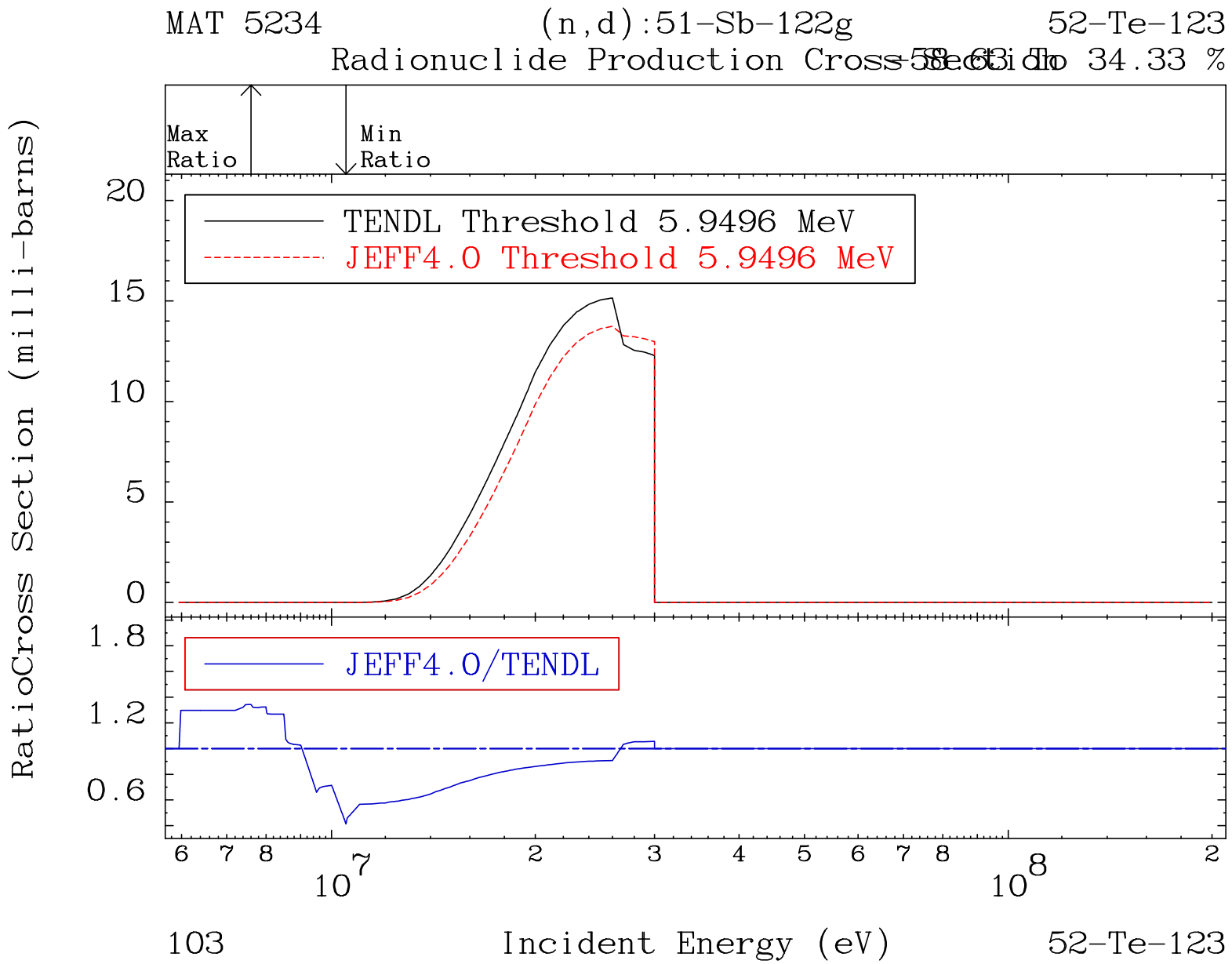

MAT 5234
(n,2n) p:50-Sn-121g
52-Te-123
Radionuclide Production Cross-Section
Max Ratio
Min Ratio
TENDL Threshold 18.000 MeV
JEFF4.0 Threshold 14.672 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
98
52-Te-123

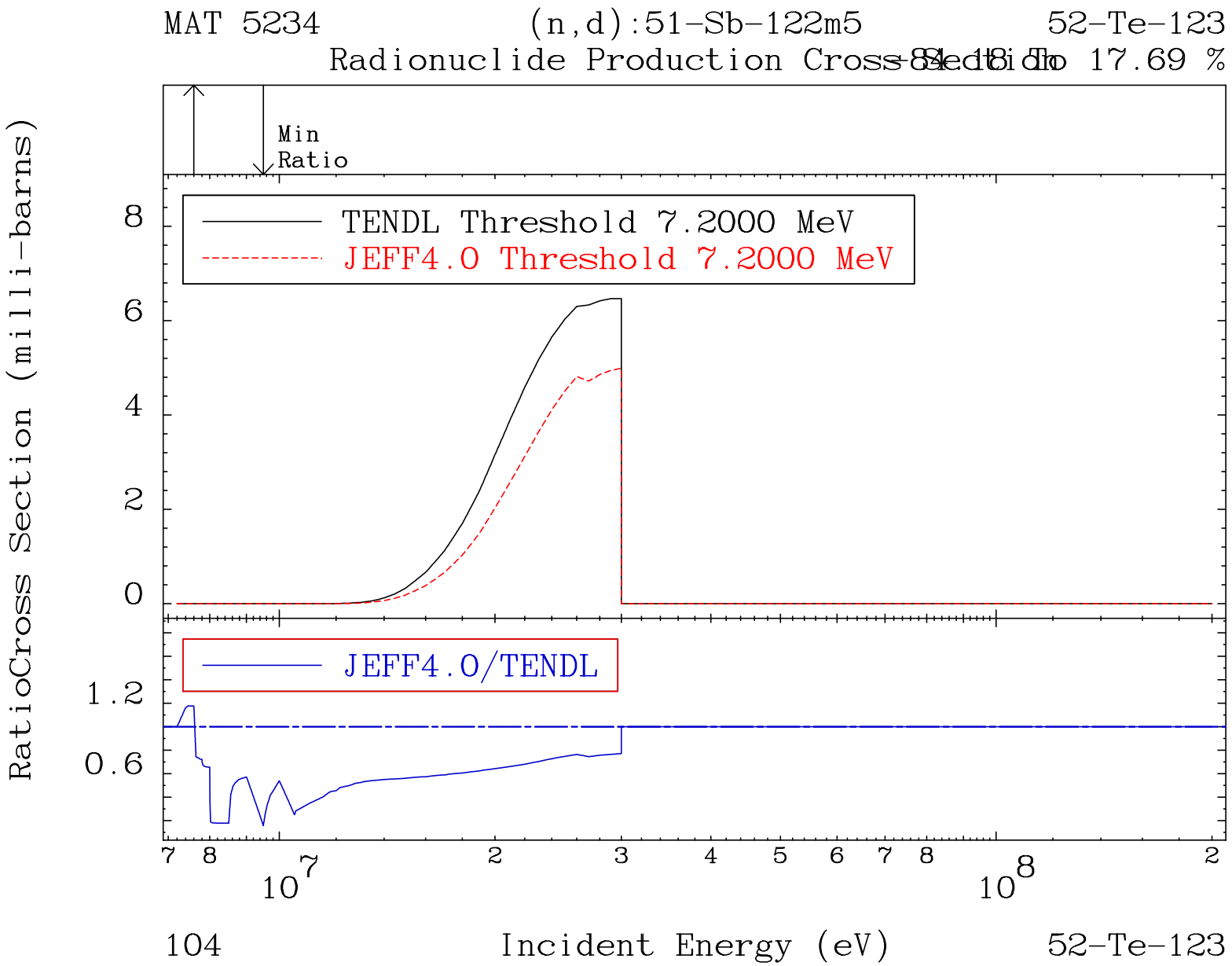

MAT 5234
(n,2n) p:50-Sn-121m1
52-Te-123
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 14.678 MeV
JEFF4.0 Threshold 14.678 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
99
52-Te-123

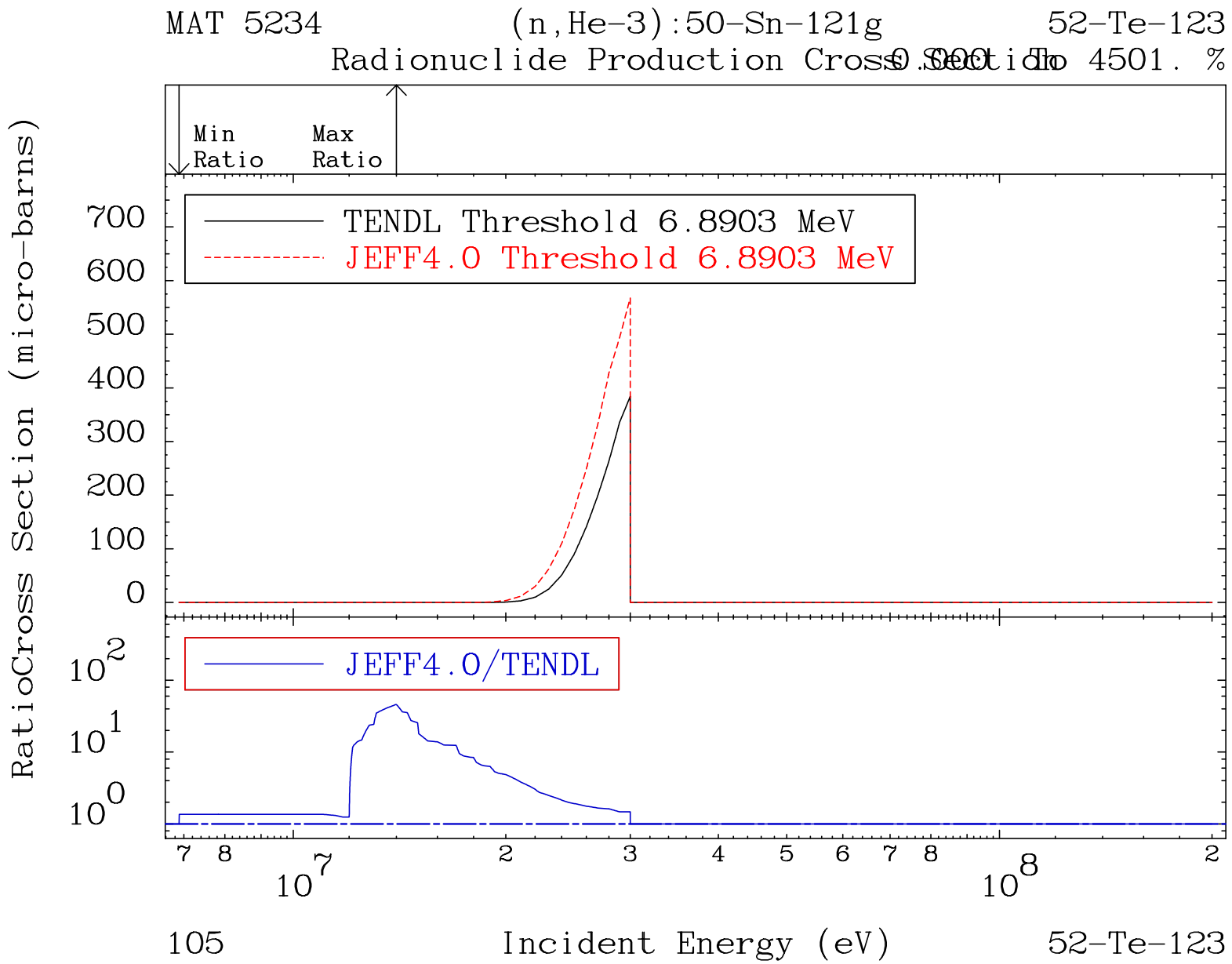

MAT 5234
(n,n') p α:49-In-118g
52-Te-123
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 11.752 MeV
JEFF4.0 Threshold 11.752 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^-9 barns)
800
600
400
200
0
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
100
Incident Energy (eV)
52-Te-123

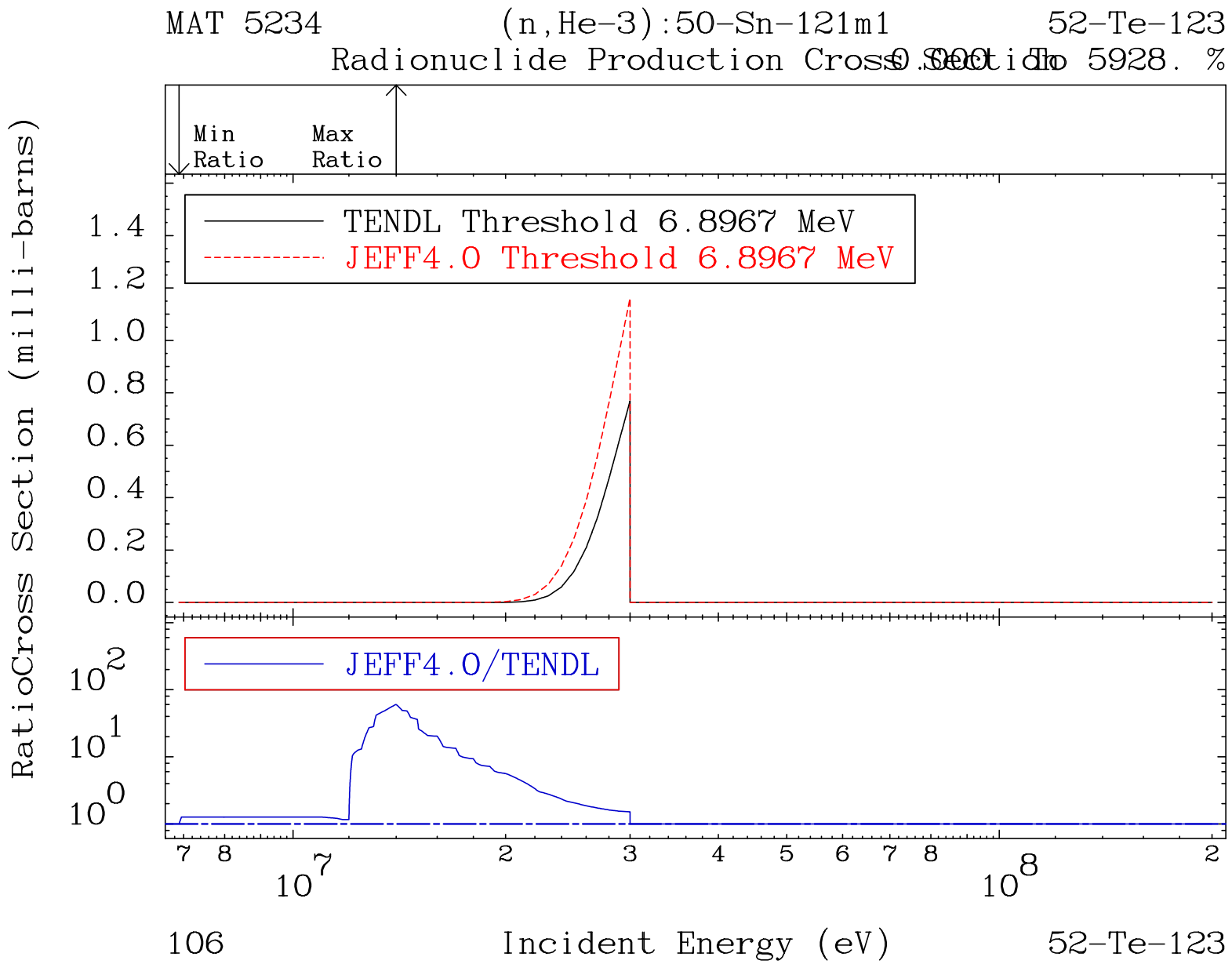

MAT 5234 (n,n') p α:49-In-118m1 52-Te-123
Radionuclide Production Cross Section To 57.10 %
Max Ratio
Min Ratio
TENDL Threshold 11.813 MeV
JEFF4.0 Threshold 11.813 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1.8
1.2
0.6
2
3
4
5
6
7
8
9
2
10^8
101
Incident Energy (eV)
52-Te-123

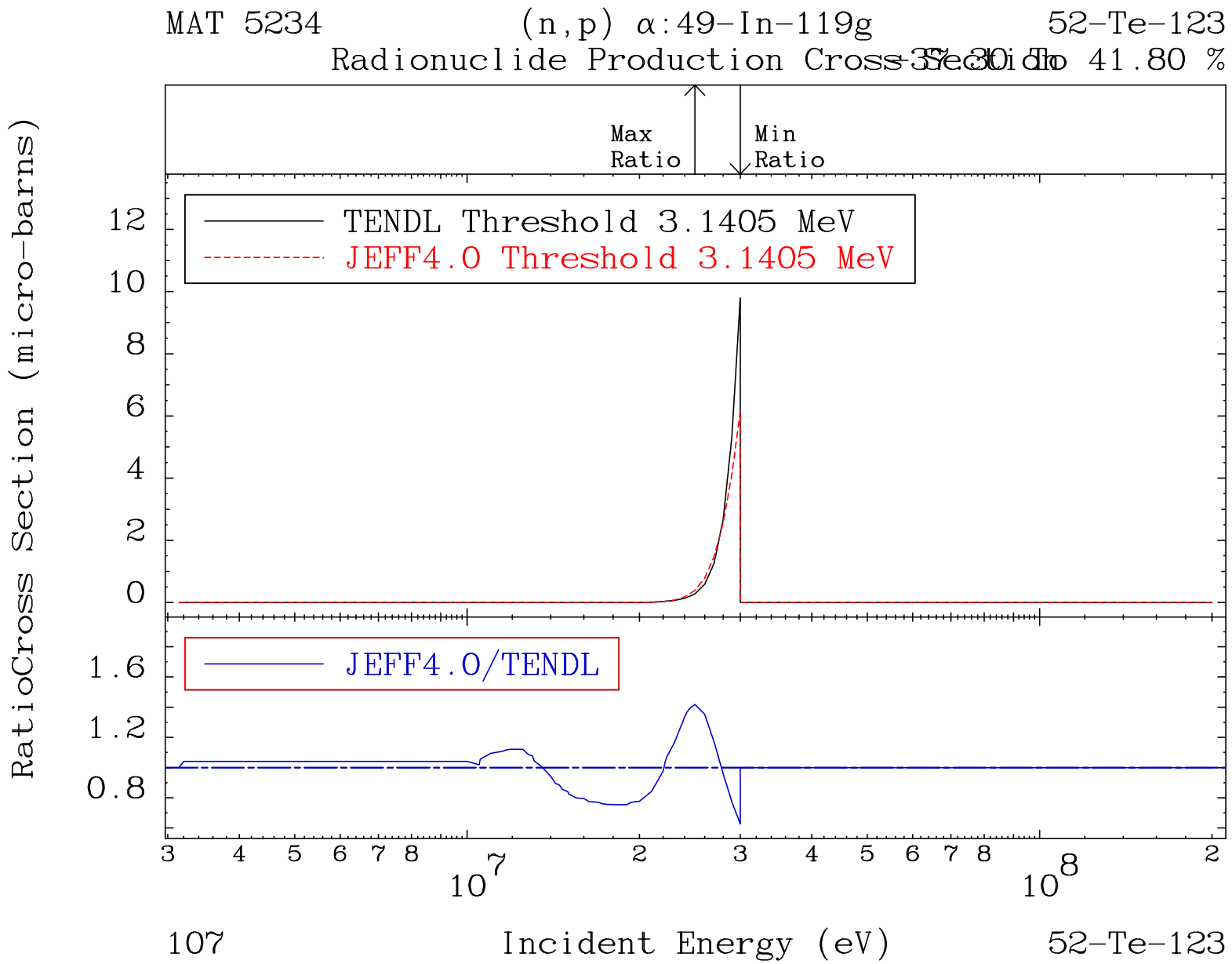

MAT 5234
(n,n') p α:49-In-118m3
52-Te-123
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 11.954 MeV
JEFF4.0 Threshold 11.954 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^-9 barns)
600
500
400
300
200
100
0
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
102
Incident Energy (eV)
52-Te-123

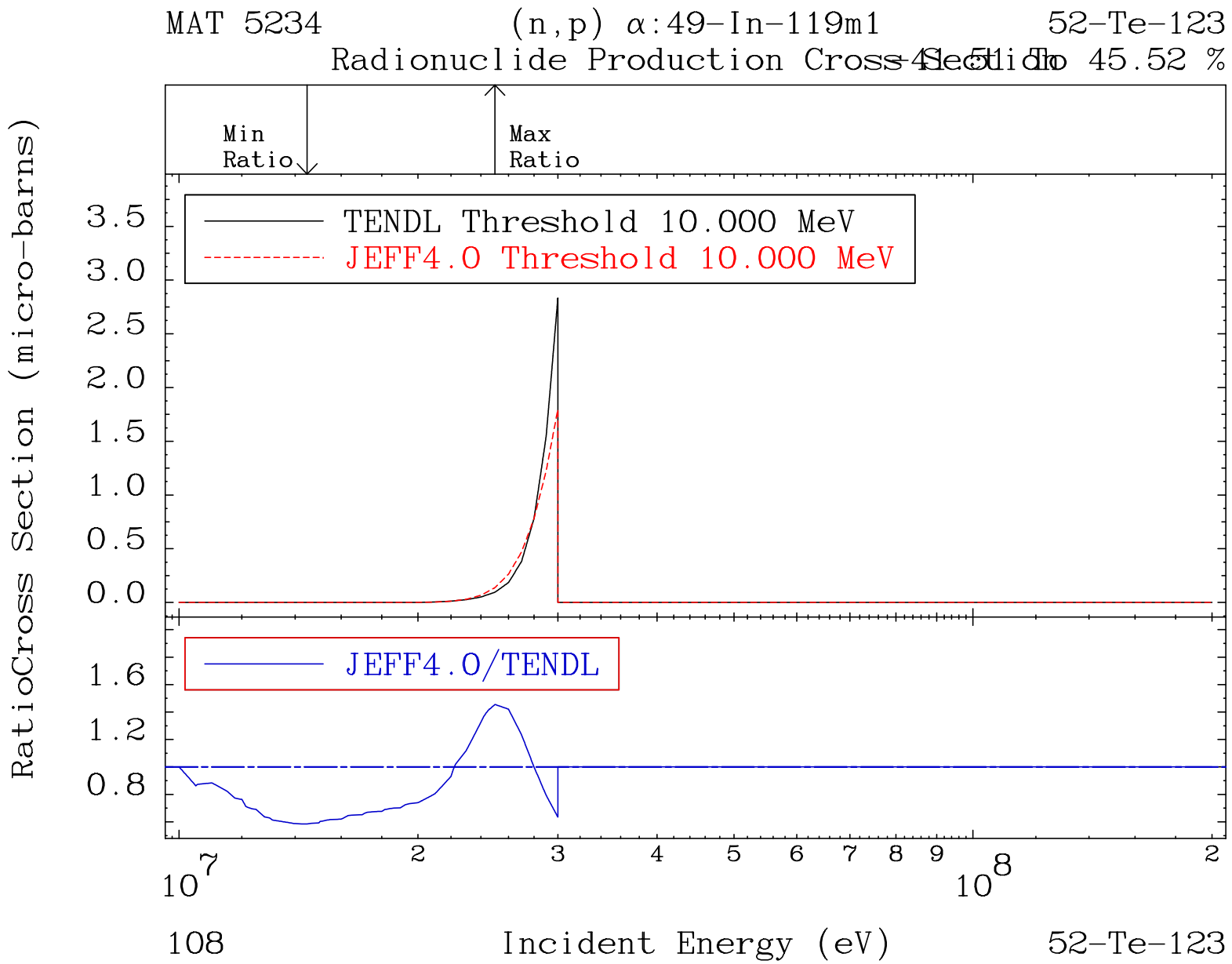

MAT 5234
(n,d):51-Sb-122g
52-Te-123
Radionuclide Production Cross Section To 34.33 %
Max Ratio
Min Ratio
TENDL Threshold 5.9496 MeV
JEFF4.0 Threshold 5.9496 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.8
1.2
0.6
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
103
Incident Energy (eV)
52-Te-123

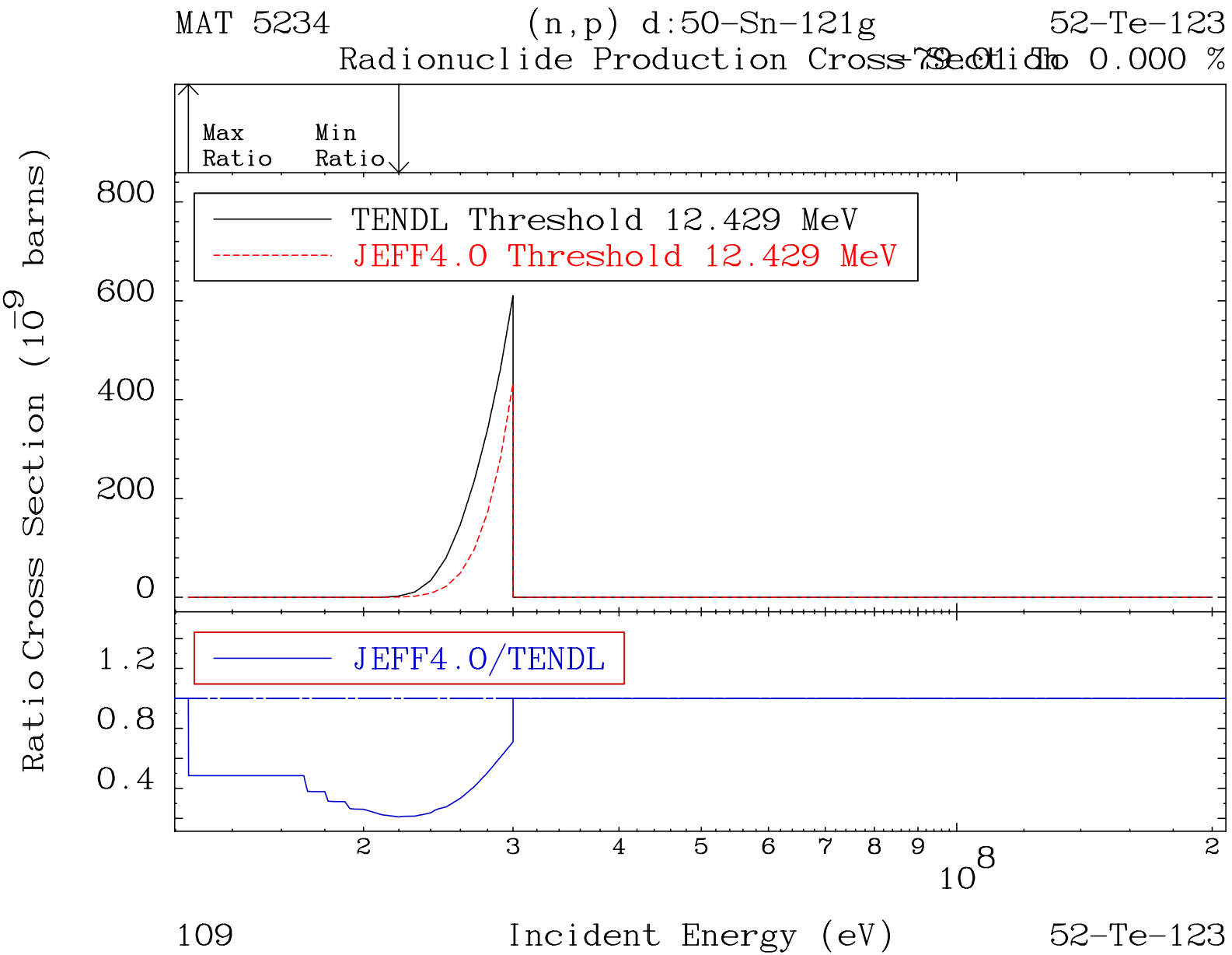

MAT 5234
(n,d):51-Sb-122m5
52-Te-123
Radionuclide Production Cross Section To 17.69 %
Min
Ratio
TENDL Threshold 7.2000 MeV
JEFF4.0 Threshold 7.2000 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
104
52-Te-123

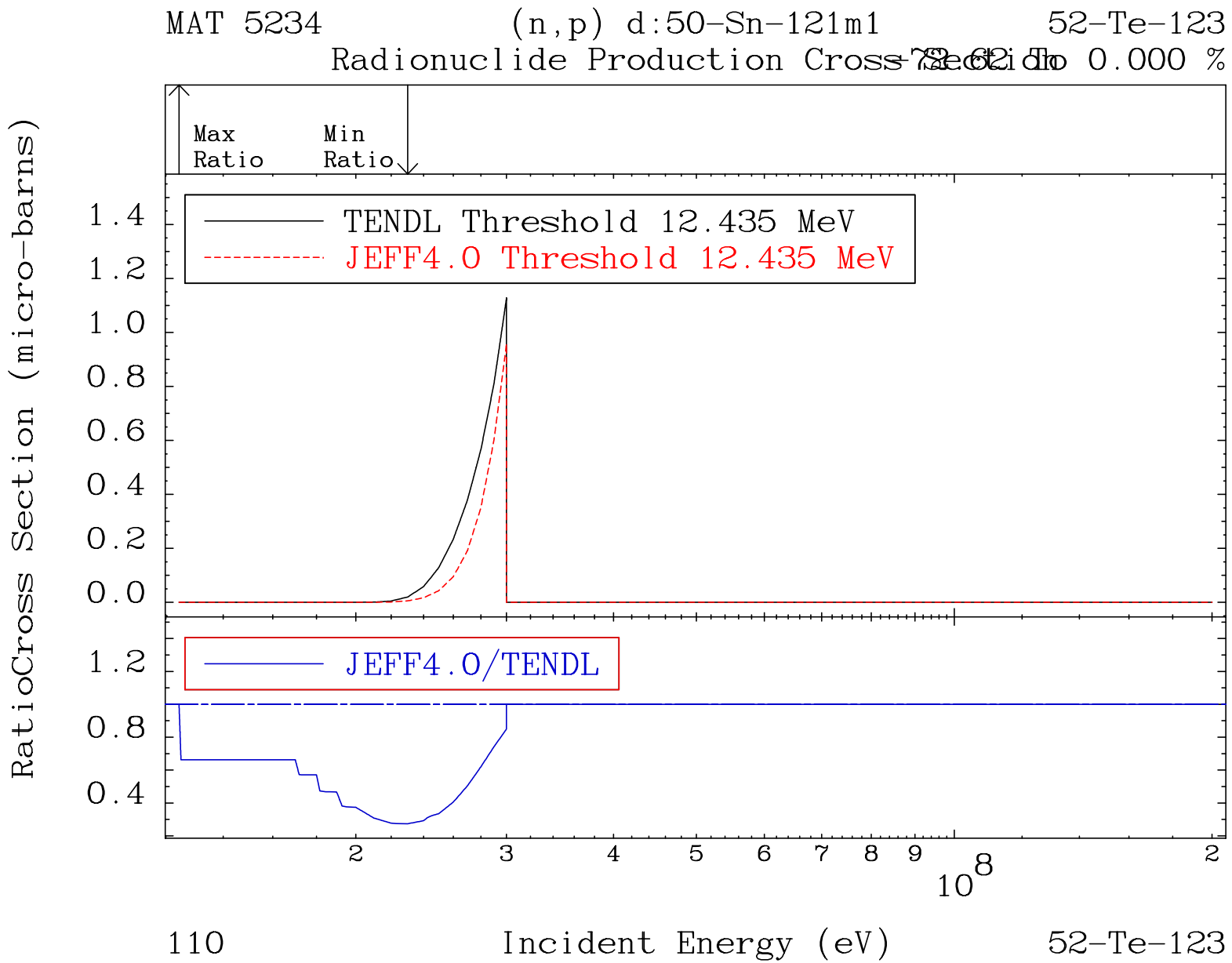

MAT 5234
(n,He-3):50-Sn-121g
52-Te-123
Radionuclide Production Cross Section
0.000 To 4501. %
Min Ratio
Max Ratio
TENDL Threshold 6.8903 MeV
JEFF4.0 Threshold 6.8903 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
700
600
500
400
300
200
100
0
10^2
10^1
10^0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
105
Incident Energy (eV)
52-Te-123

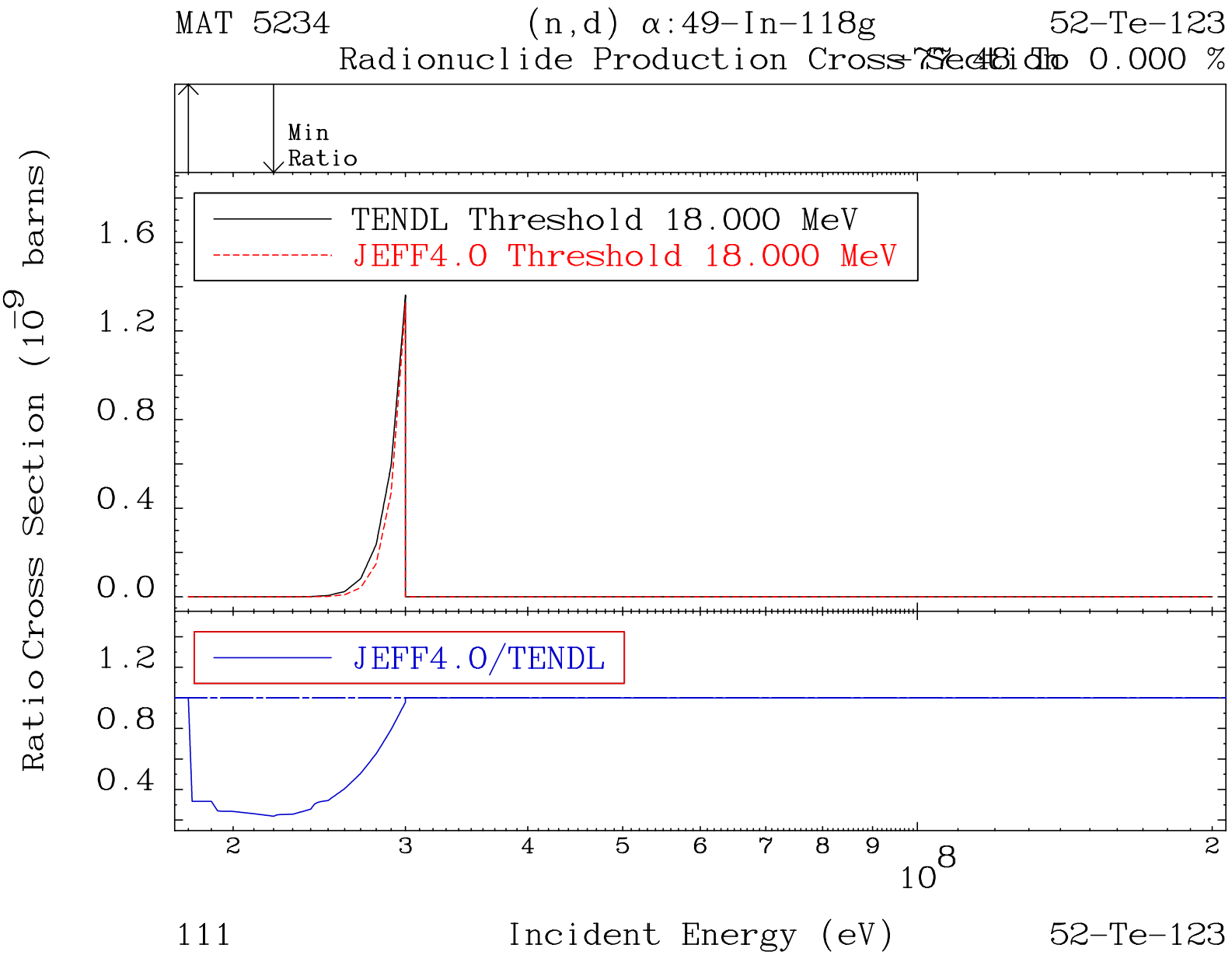

MAT 5234
(n,He-3):50-Sn-121m1
52-Te-123
Radionuclide Production Cross Section
0.000 To 5928. %
Min Ratio
Max Ratio
TENDL Threshold 6.8967 MeV
JEFF4.0 Threshold 6.8967 MeV
JEFF4.0/TENDL
RatioCross Section (milli-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
10^2
10^1
10^0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
106
Incident Energy (eV)
52-Te-123

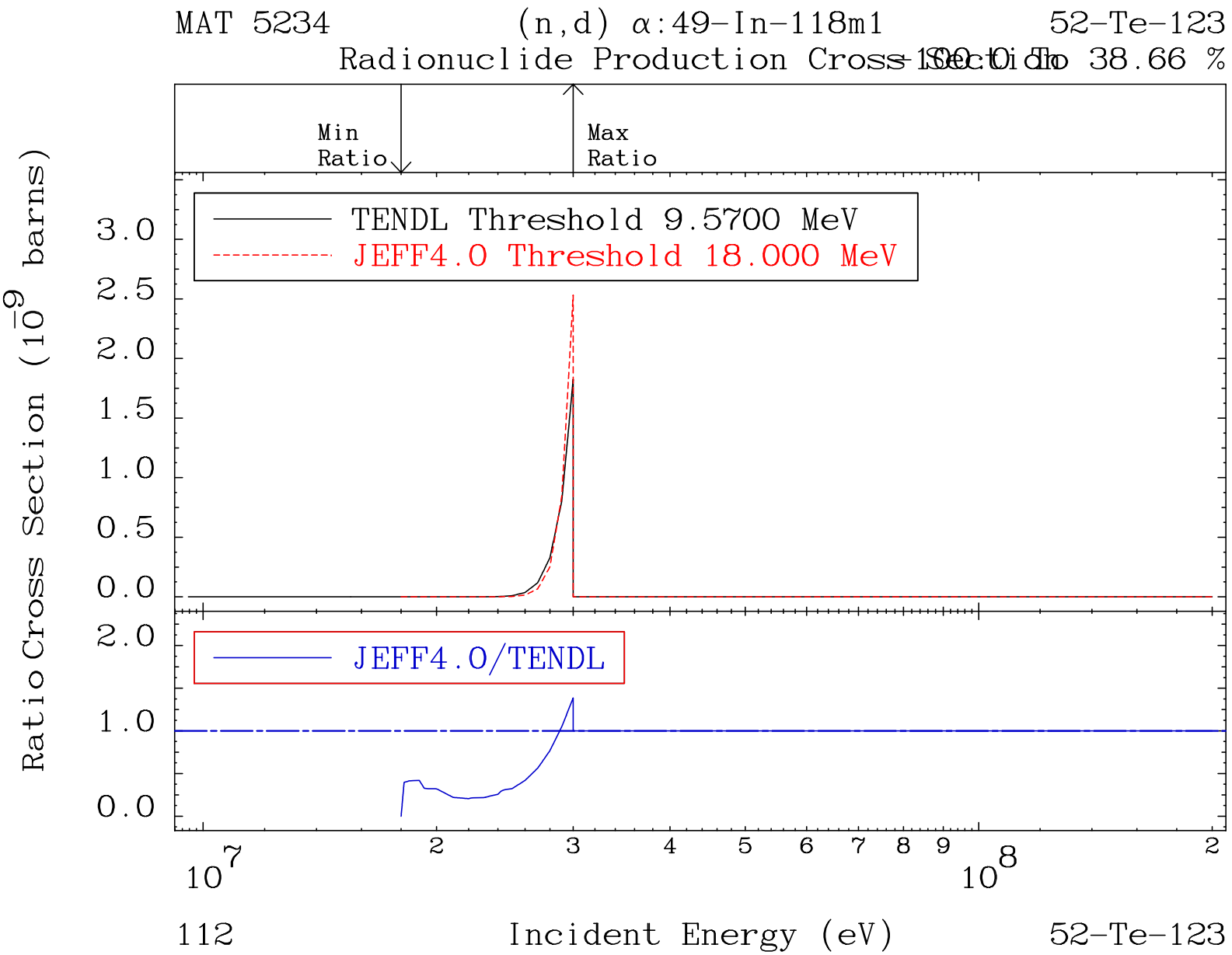

MAT 5234
(n,p) α:49-In-119g
52-Te-123
Radionuclide Production Cross-Section To 41.80 %
Max Ratio
Min Ratio
TENDL Threshold 3.1405 MeV
JEFF4.0 Threshold 3.1405 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
12
10
8
6
4
2
0
1.6
1.2
0.8
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
107
Incident Energy (eV)
52-Te-123

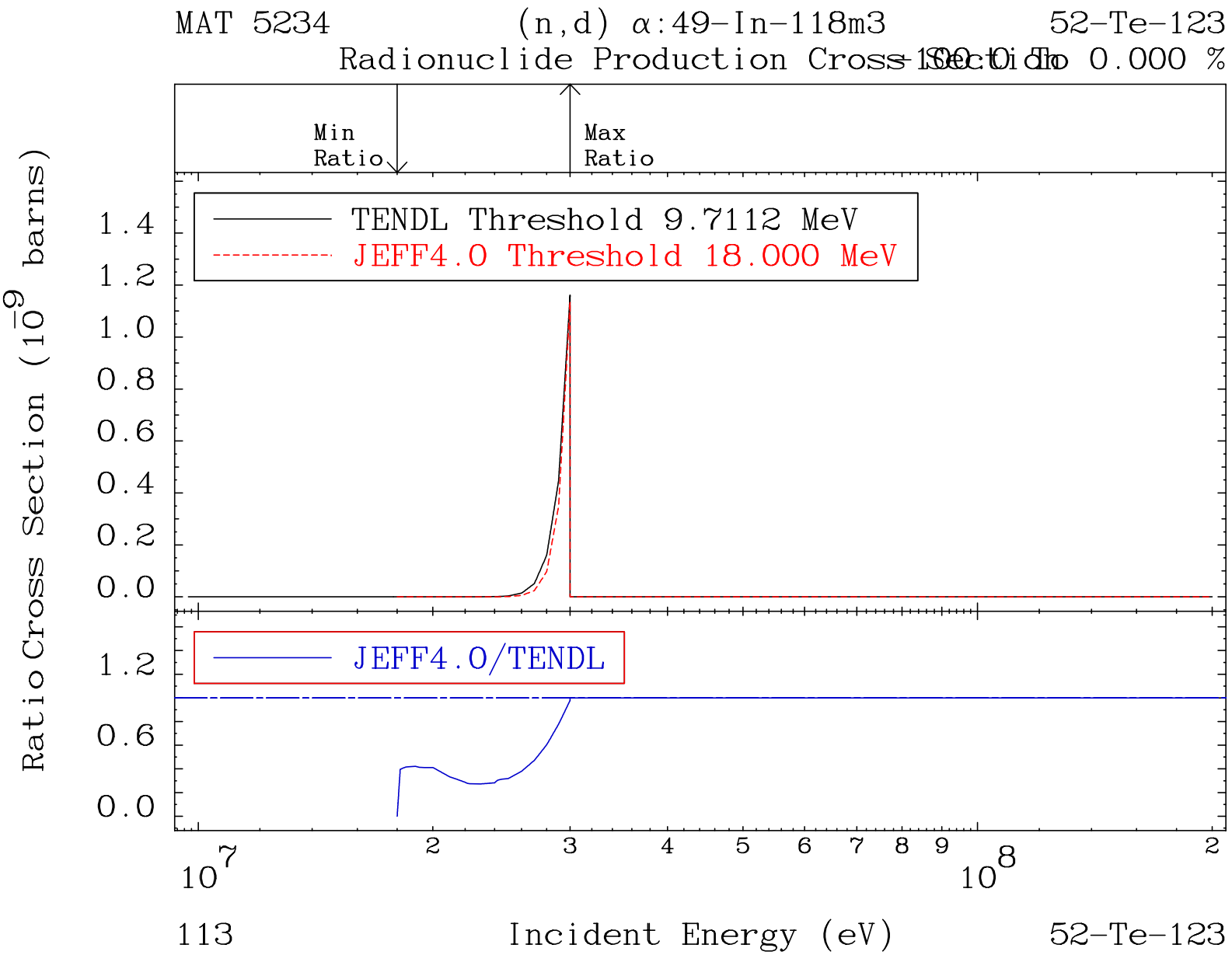

MAT 5234
(n,p) α:49-In-119m1
52-Te-123
Radionuclide Production Cross-Section
Min Ratio
Max Ratio
TENDL Threshold 10.000 MeV
JEFF4.0 Threshold 10.000 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
108


MAT 5234
(n,p) d:50-Sn-121g
52-Te-123
Radionuclide Production Cross Section To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 12.429 MeV
JEFF4.0 Threshold 12.429 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^{-9} barns)
800
600
400
200
0
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
109
Incident Energy (eV)
52-Te-123


MAT 5234
(n,p) d:50-Sn-121m1
52-Te-123
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 12.435 MeV
JEFF4.0 Threshold 12.435 MeV
JEFF4.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
110
52-Te-123


MAT 5234
(n,d) α:49-In-118g
52-Te-123
Radionuclide Production Cross Section To 0.000 %
Min
Ratio
TENDL Threshold 18.000 MeV
JEFF4.0 Threshold 18.000 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^-9 barns)
1.6
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
9
10^8
111
Incident Energy (eV)
52-Te-123


MAT 5234
(n,d) α:49-In-118m1
52-Te-123
Radionuclide Production Cross Section To 38.66 %
Min Ratio
Max Ratio
TENDL Threshold 9.5700 MeV
JEFF4.0 Threshold 18.000 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^-9 barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
112
Incident Energy (eV)
52-Te-123


MAT 5234
(n,d) α:49-In-118m3
52-Te-123
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 9.7112 MeV
JEFF4.0 Threshold 18.000 MeV
JEFF4.0/TENDL
Ratio Cross Section (10^-9 barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.6
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
113
Incident Energy (eV)
52-Te-123