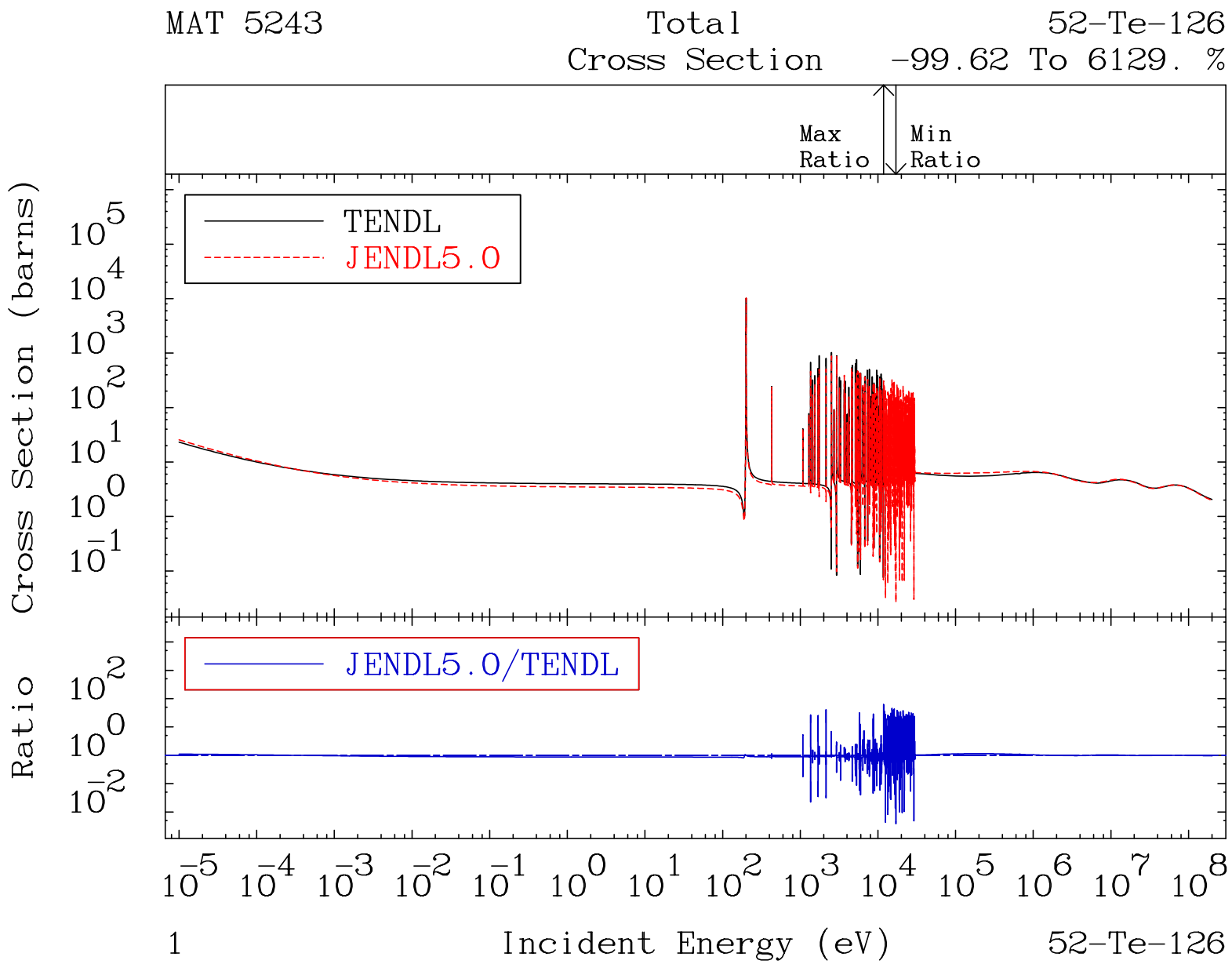
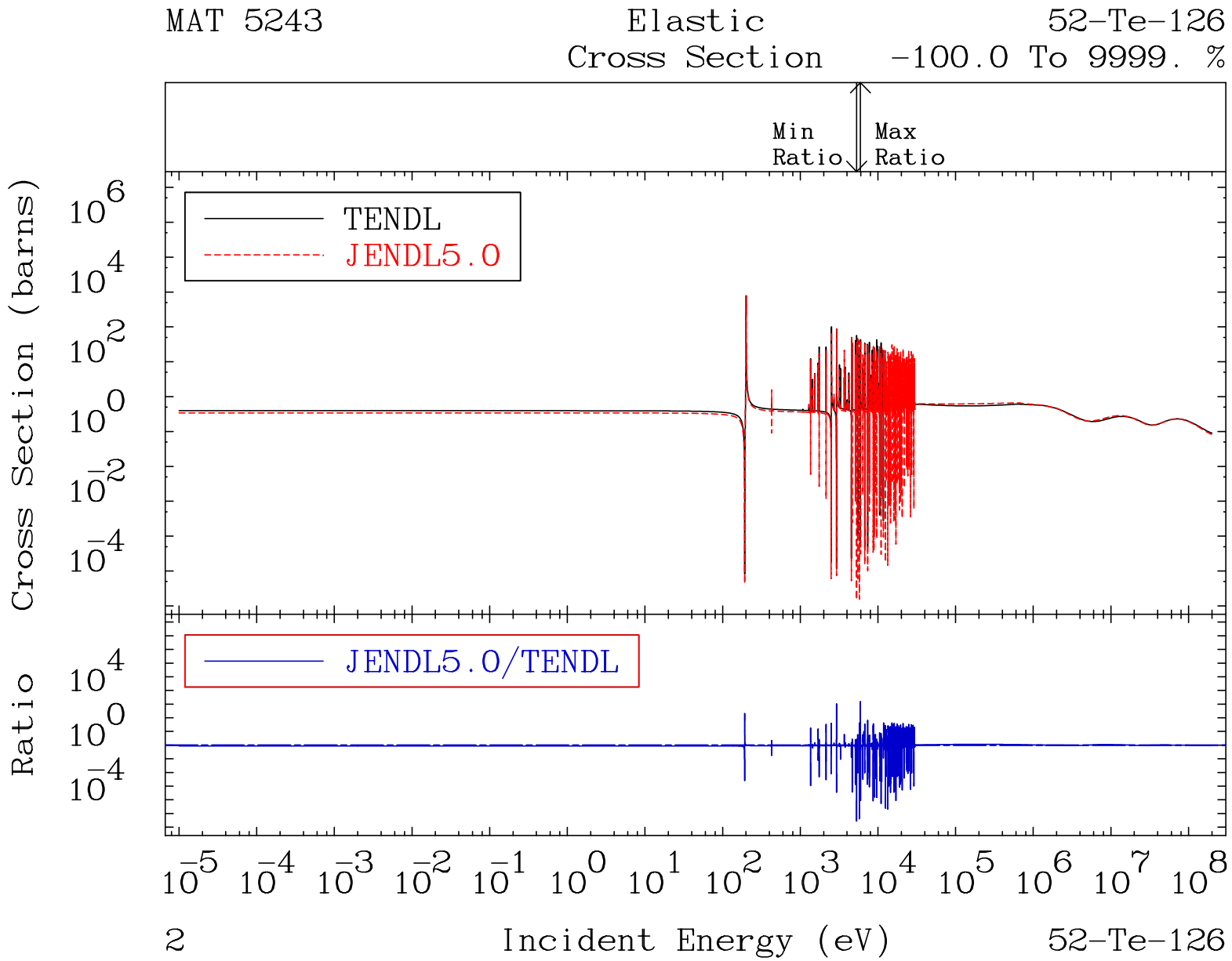
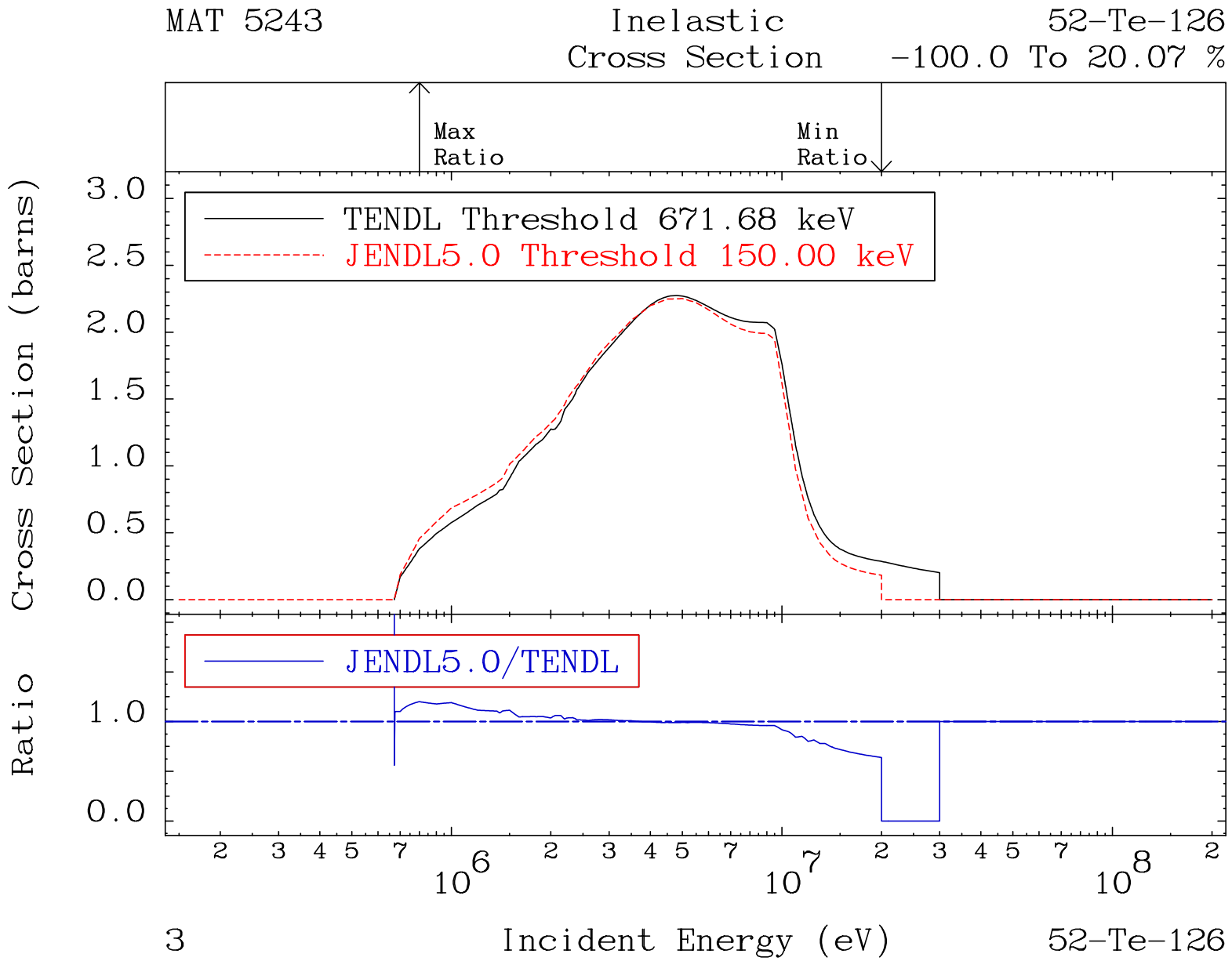
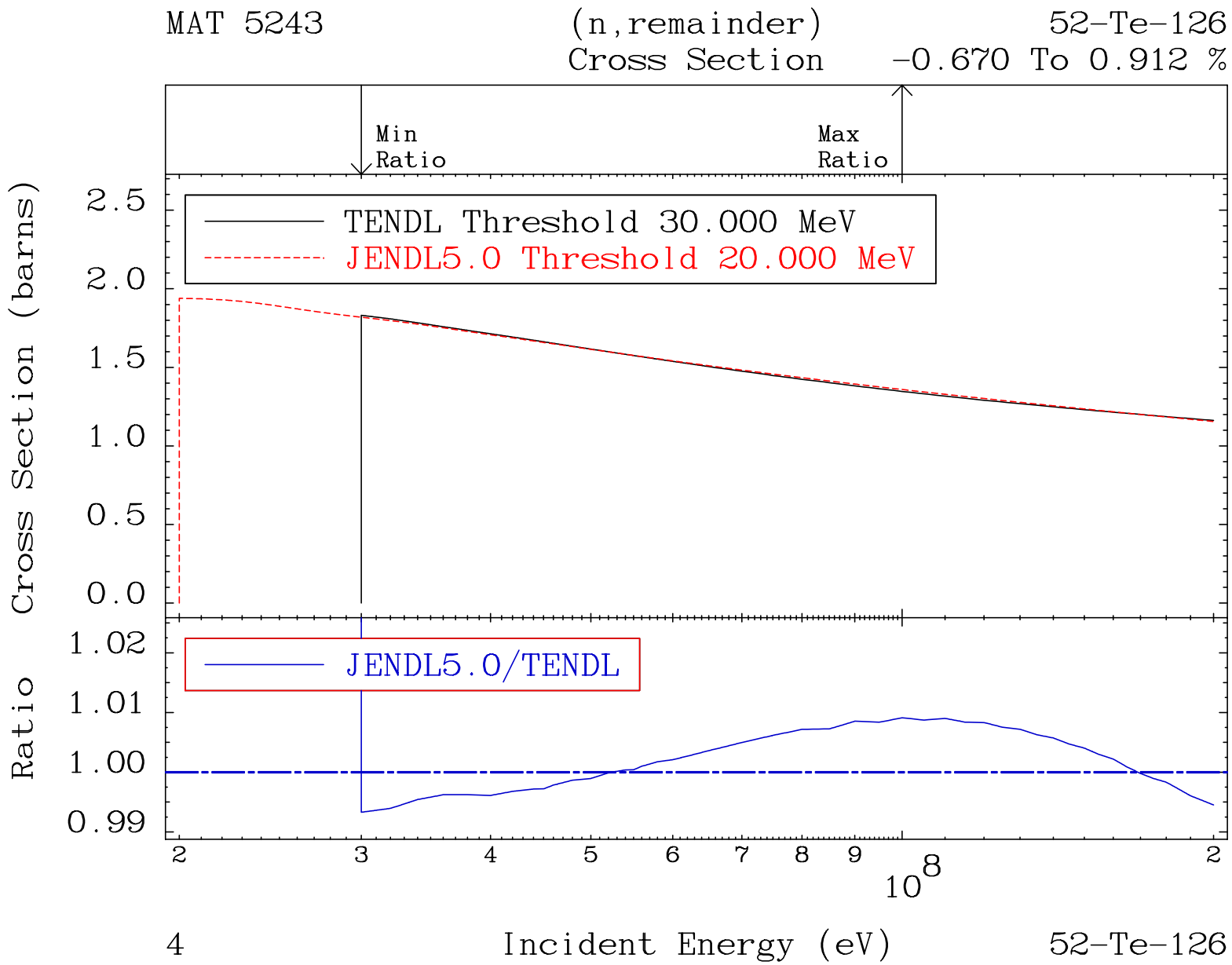
Program Complot
(Version 2021-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

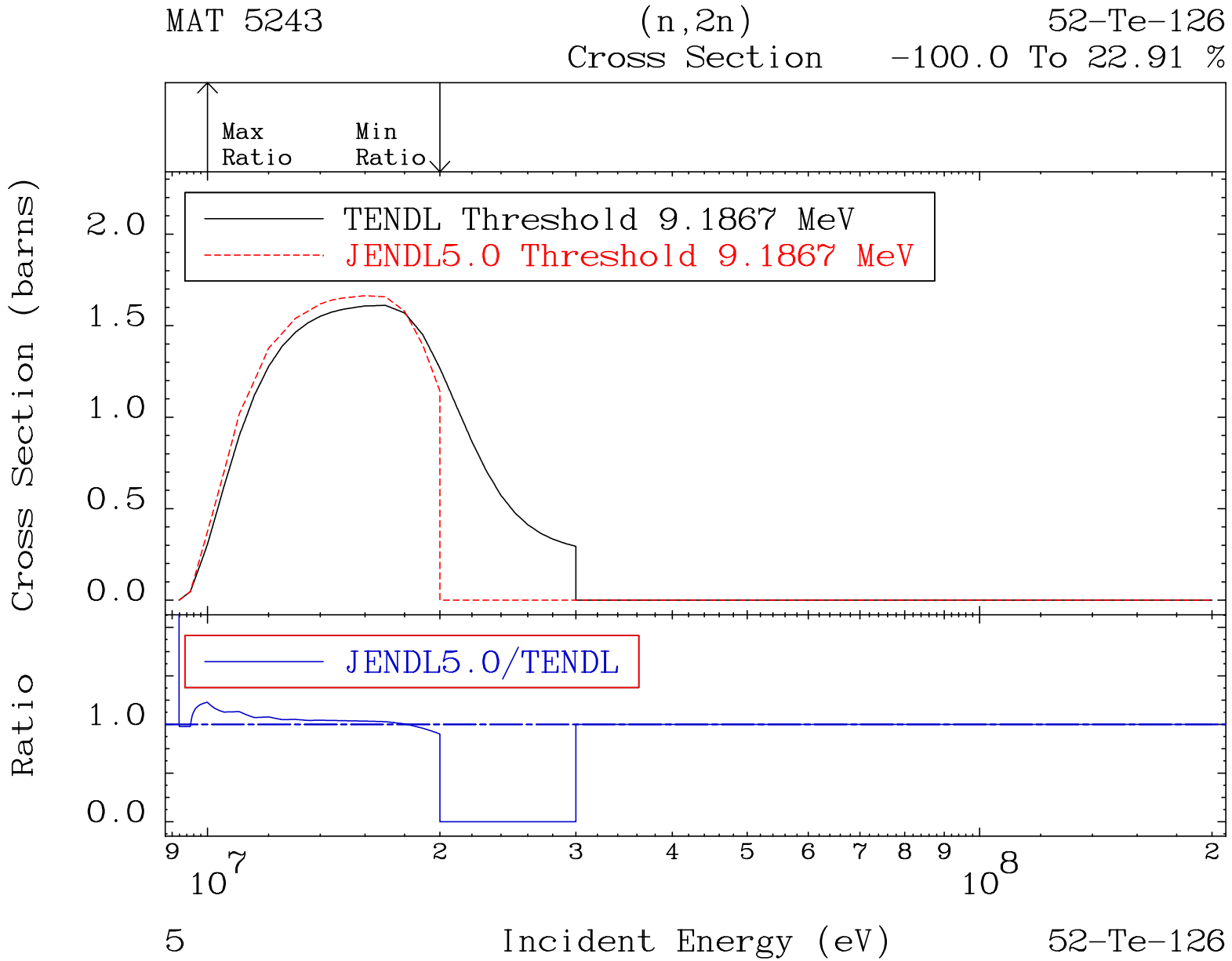
Press Mouse Button to Start

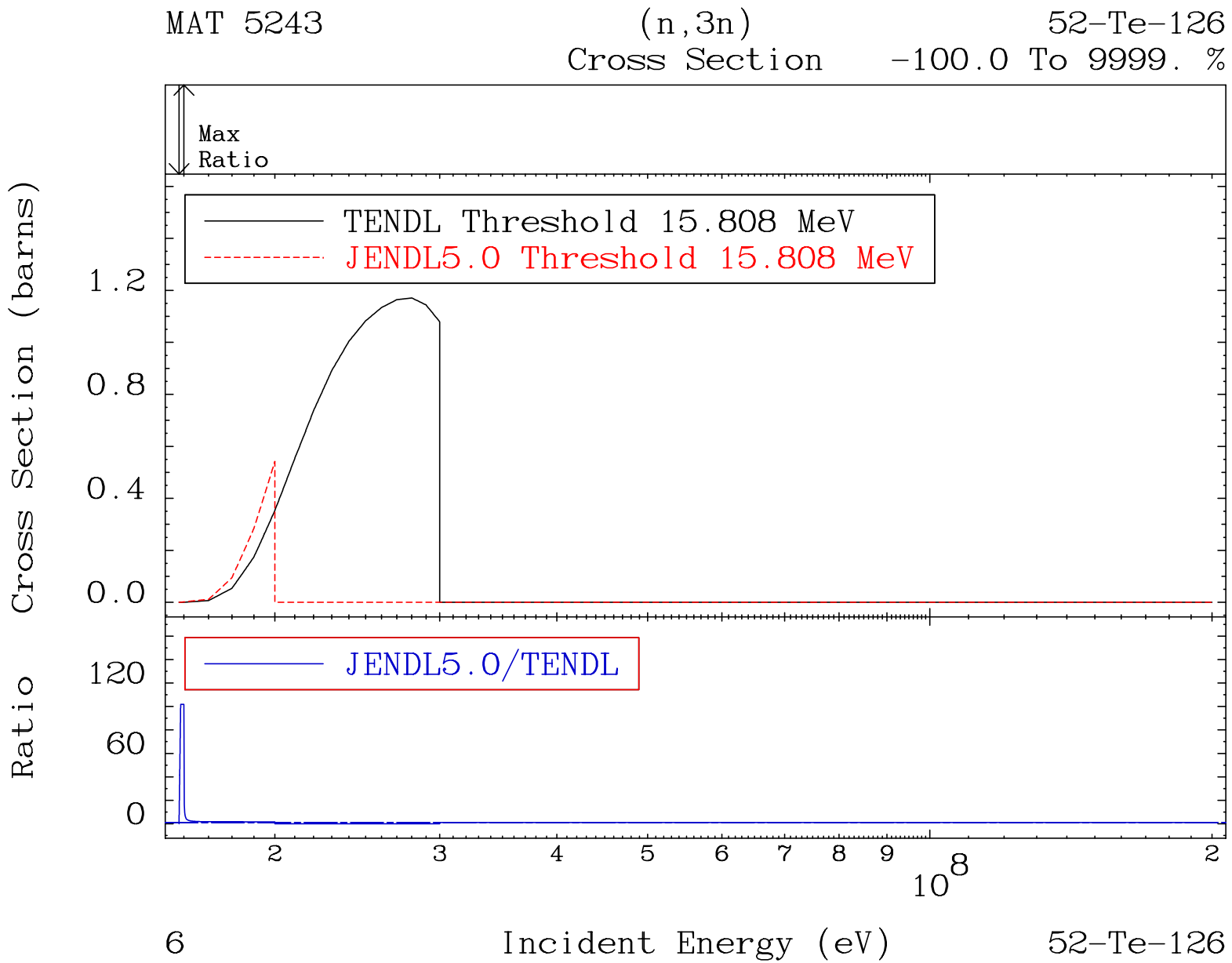

MAT 5243
Total
Cross Section
52-Te-126
-99.62 To 6129. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
1
52-Te-126

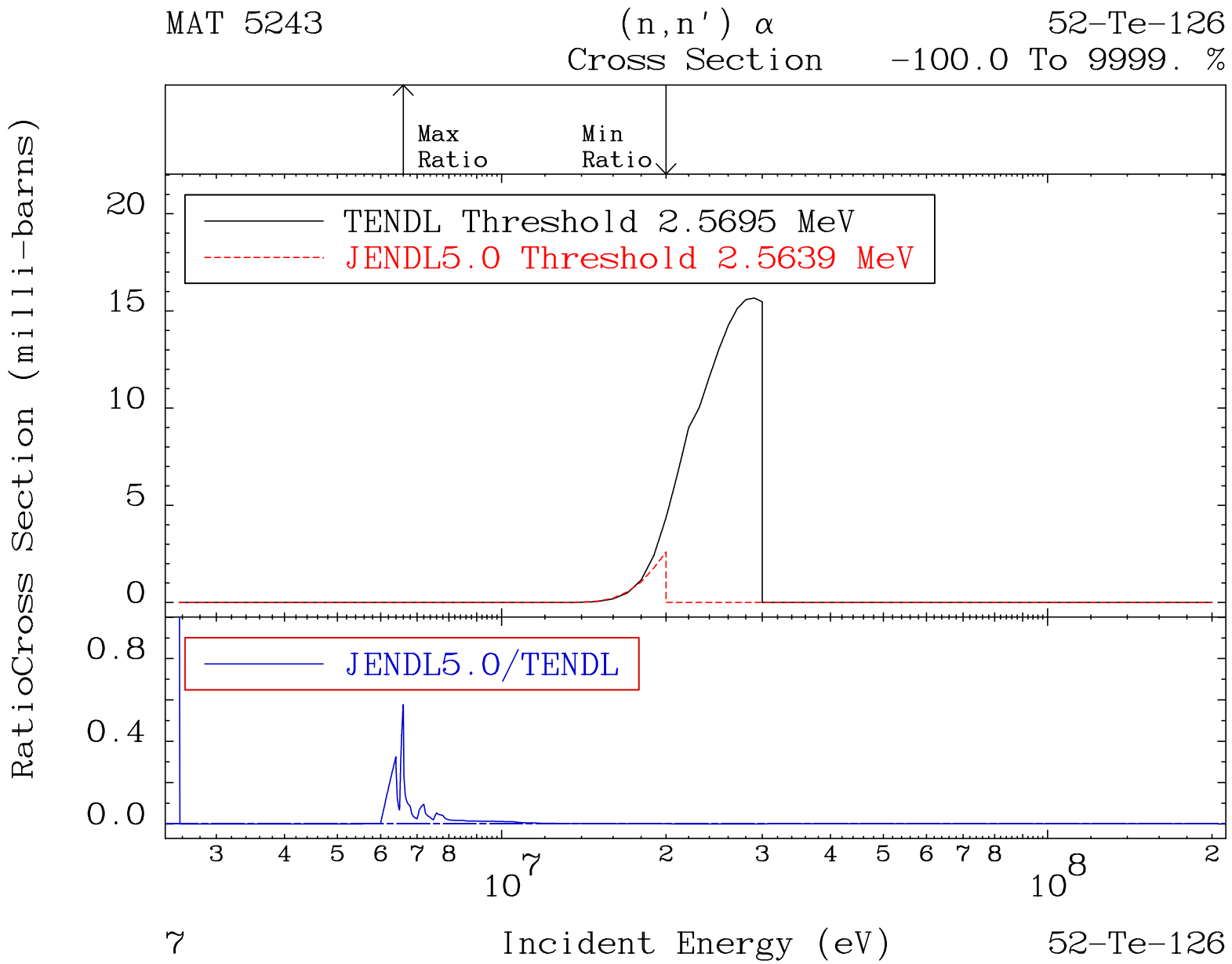

MAT 5243
Elastic
Cross Section
52-Te-126
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
2
52-Te-126

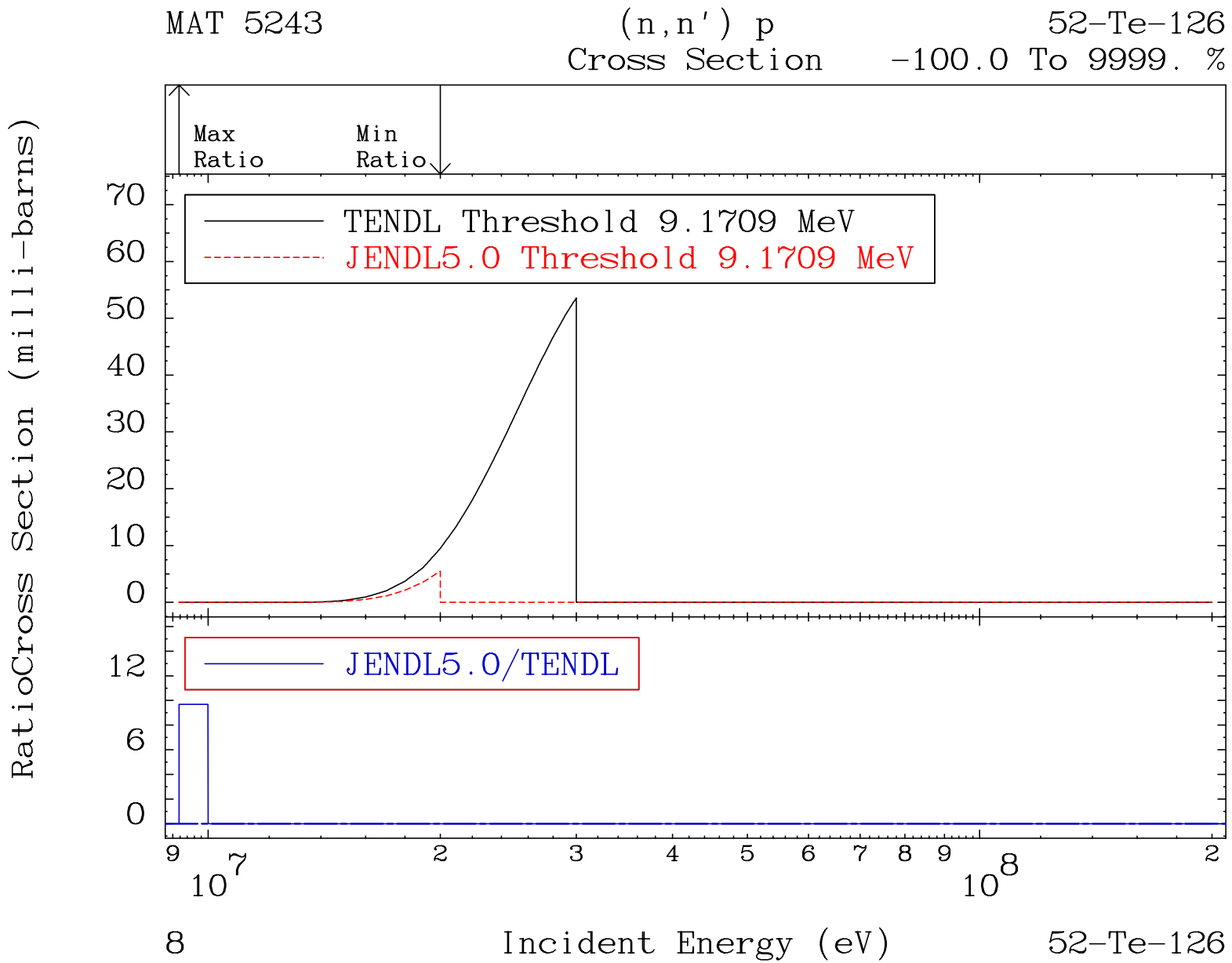

MAT 5243
Inelastic
Cross Section
52-Te-126
-100.0 To 20.07 %
Max
Ratio
Min
Ratio
TENDL Threshold 671.68 keV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.0
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
Incident Energy (eV)
3
52-Te-126

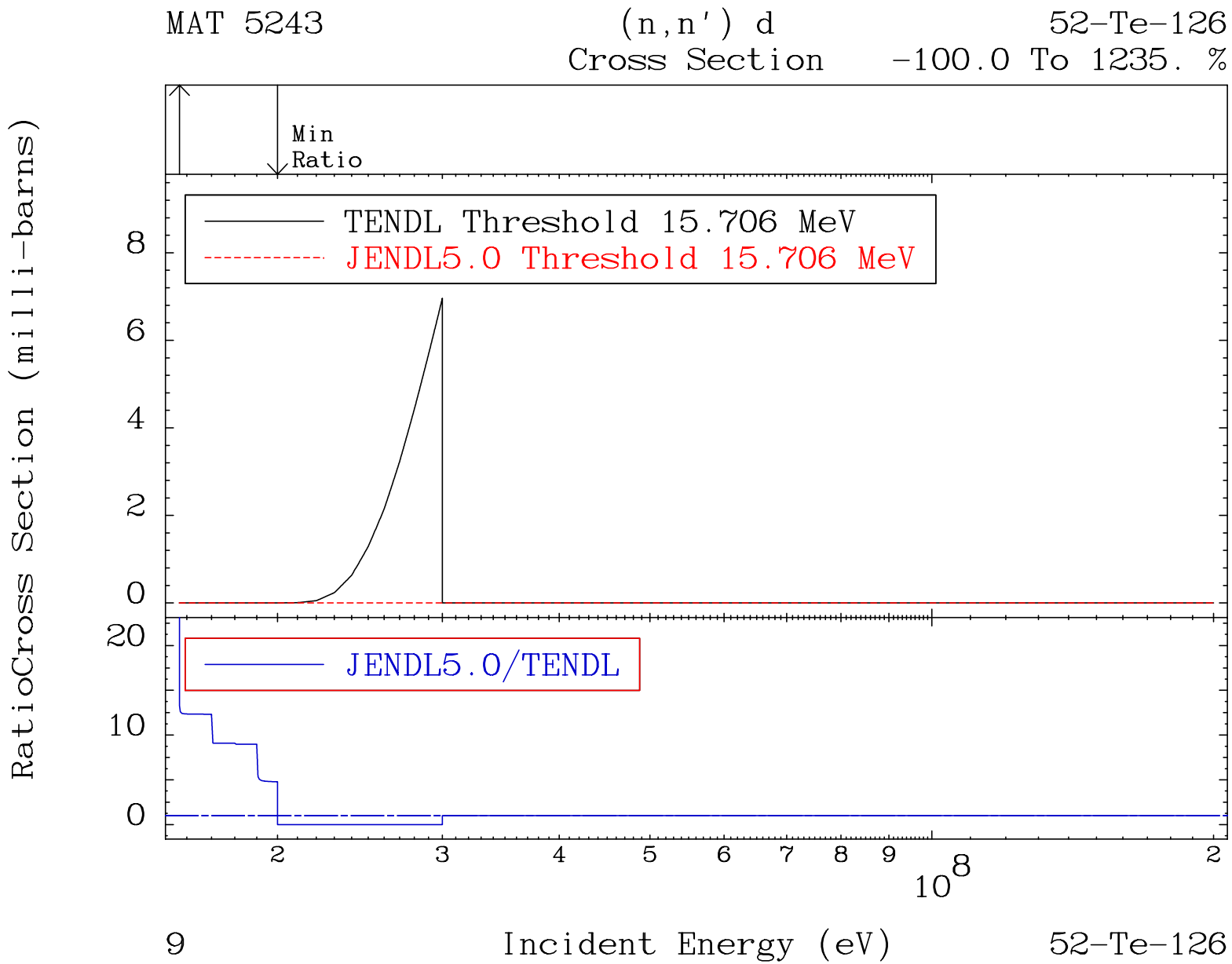

MAT 5243
(n,remainder)
Cross Section
52-Te-126
-0.670 To 0.912 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.02
1.01
1.00
0.99
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
52-Te-126

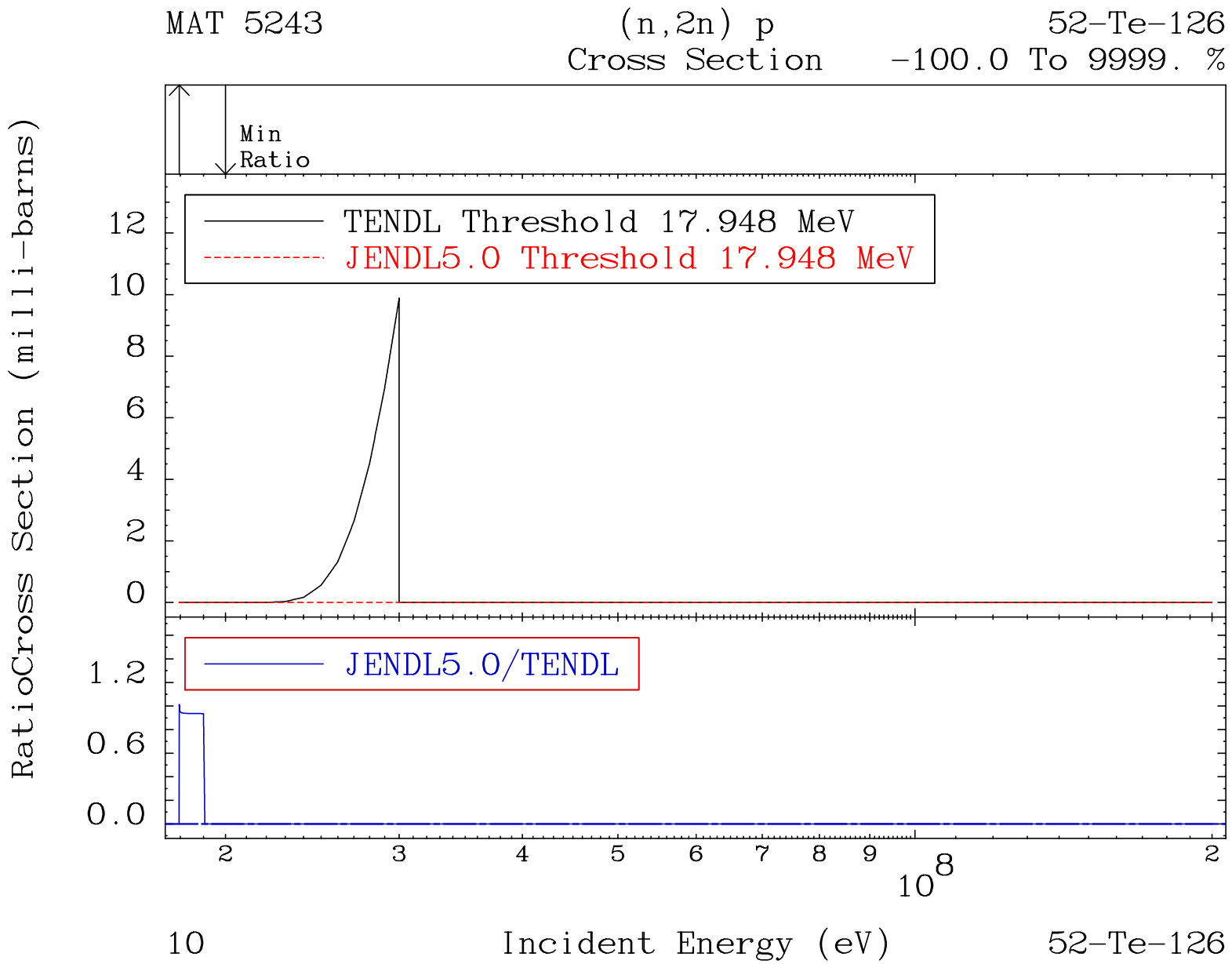

MAT 5243
(n,2n)
Cross Section
52-Te-126
-100.0 To 22.91 %
Max Ratio
Min Ratio
TENDL Threshold 9.1867 MeV
JENDL5.0 Threshold 9.1867 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
52-Te-126

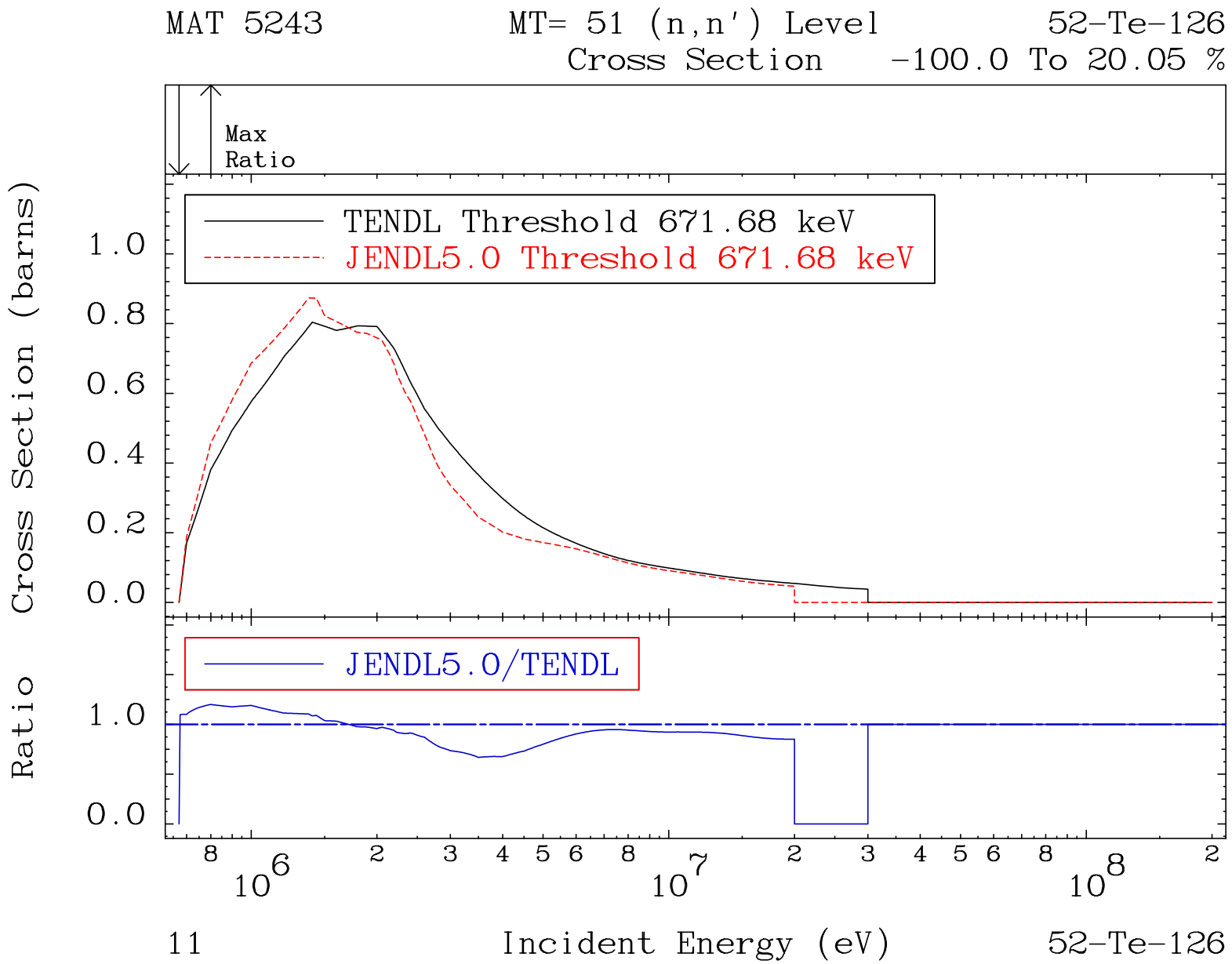

MAT 5243
(n,3n)
Cross Section
52-Te-126
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 15.808 MeV
JENDL5.0 Threshold 15.808 MeV
1.2
0.8
0.4
0.0
Cross Section (barns)
JENDL5.0/TENDL
120
60
0
Ratio
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
52-Te-126

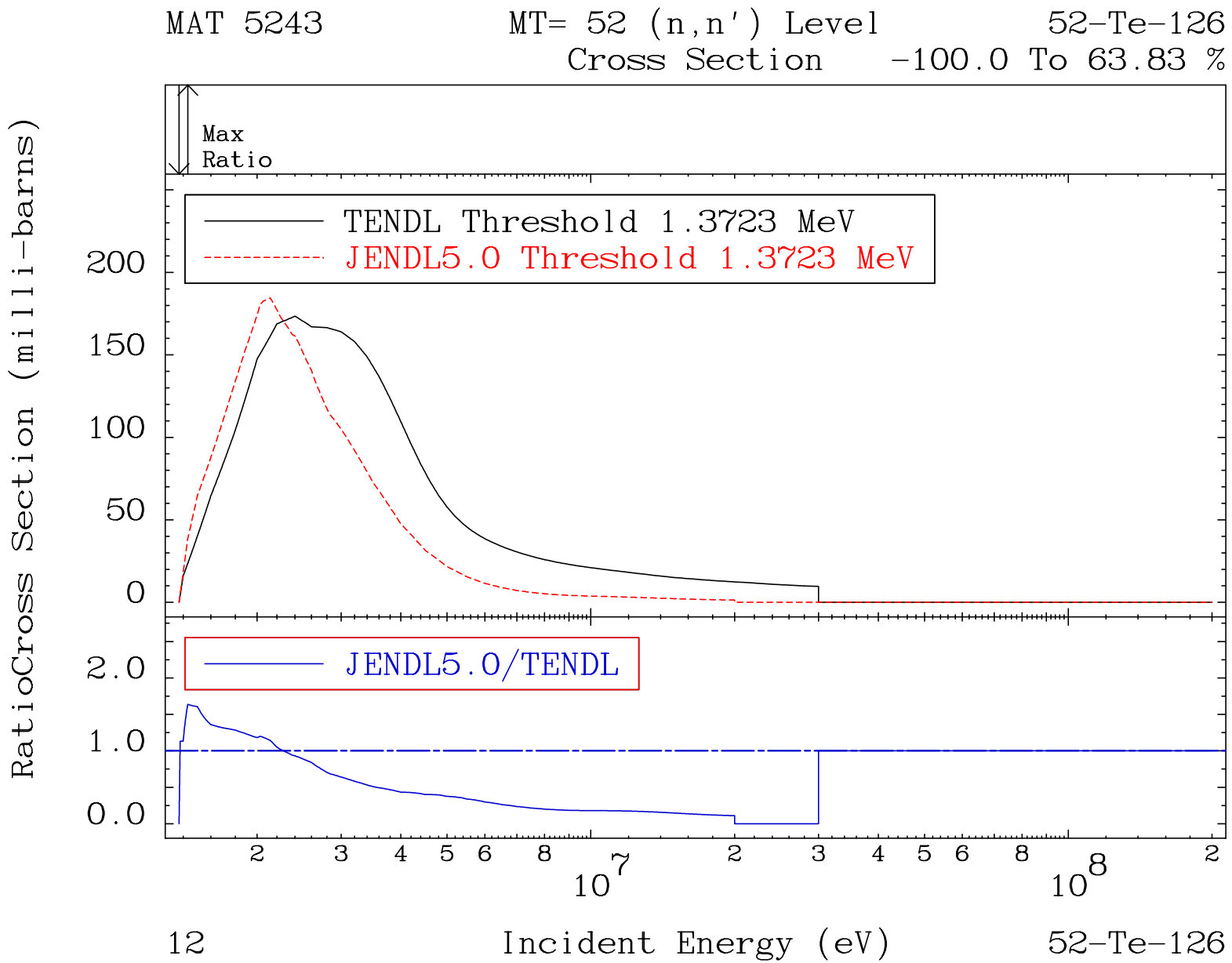

MAT 5243
(n,n') α
Cross Section
52-Te-126
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.5695 MeV
JENDL5.0 Threshold 2.5639 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
52-Te-126

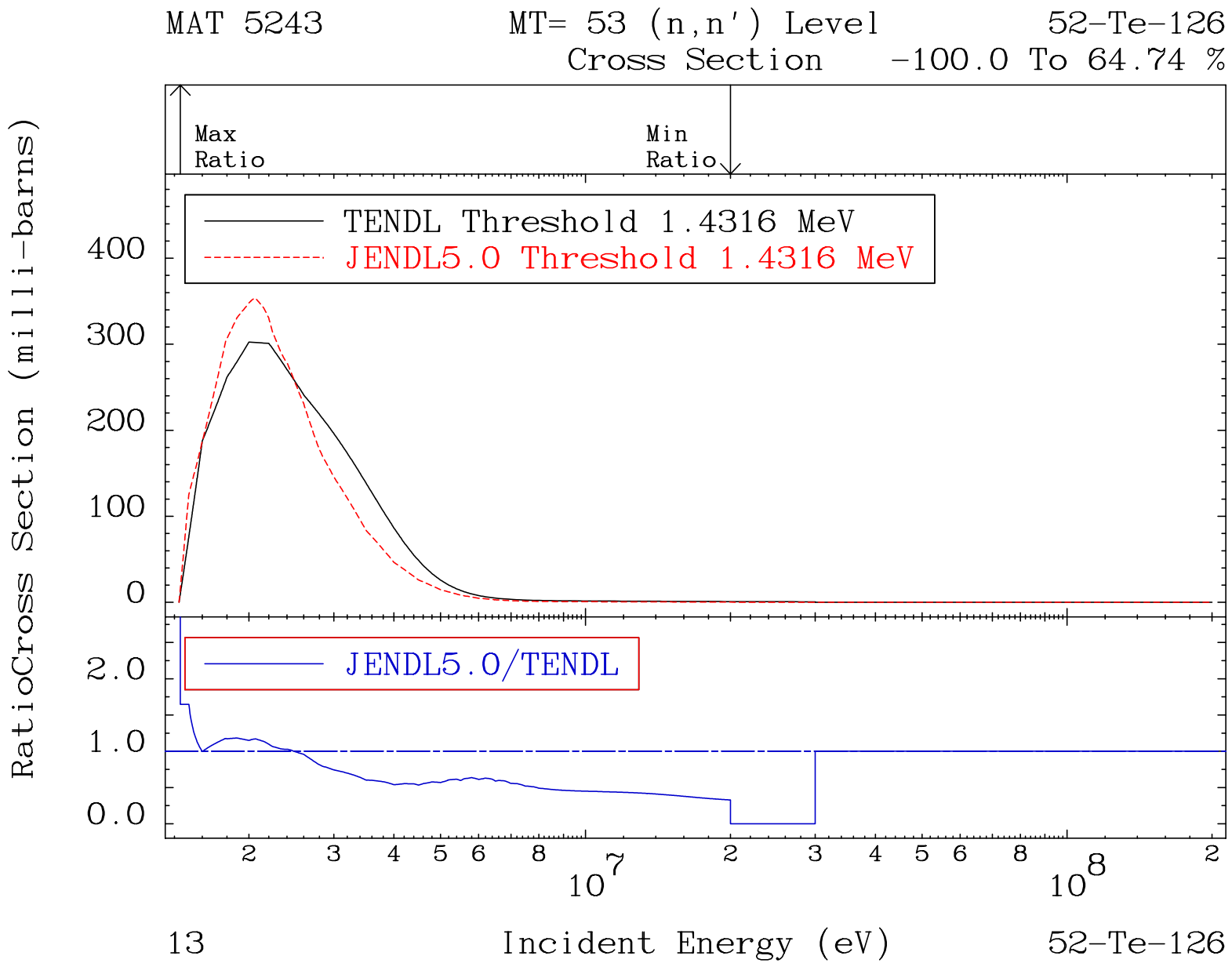

MAT 5243
(n,n') p
Cross Section
52-Te-126
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.1709 MeV
JENDL5.0 Threshold 9.1709 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
12
6
0
9
2
3
4
5
6
7
8
9
2
10^7
10^8
8
Incident Energy (eV)
52-Te-126

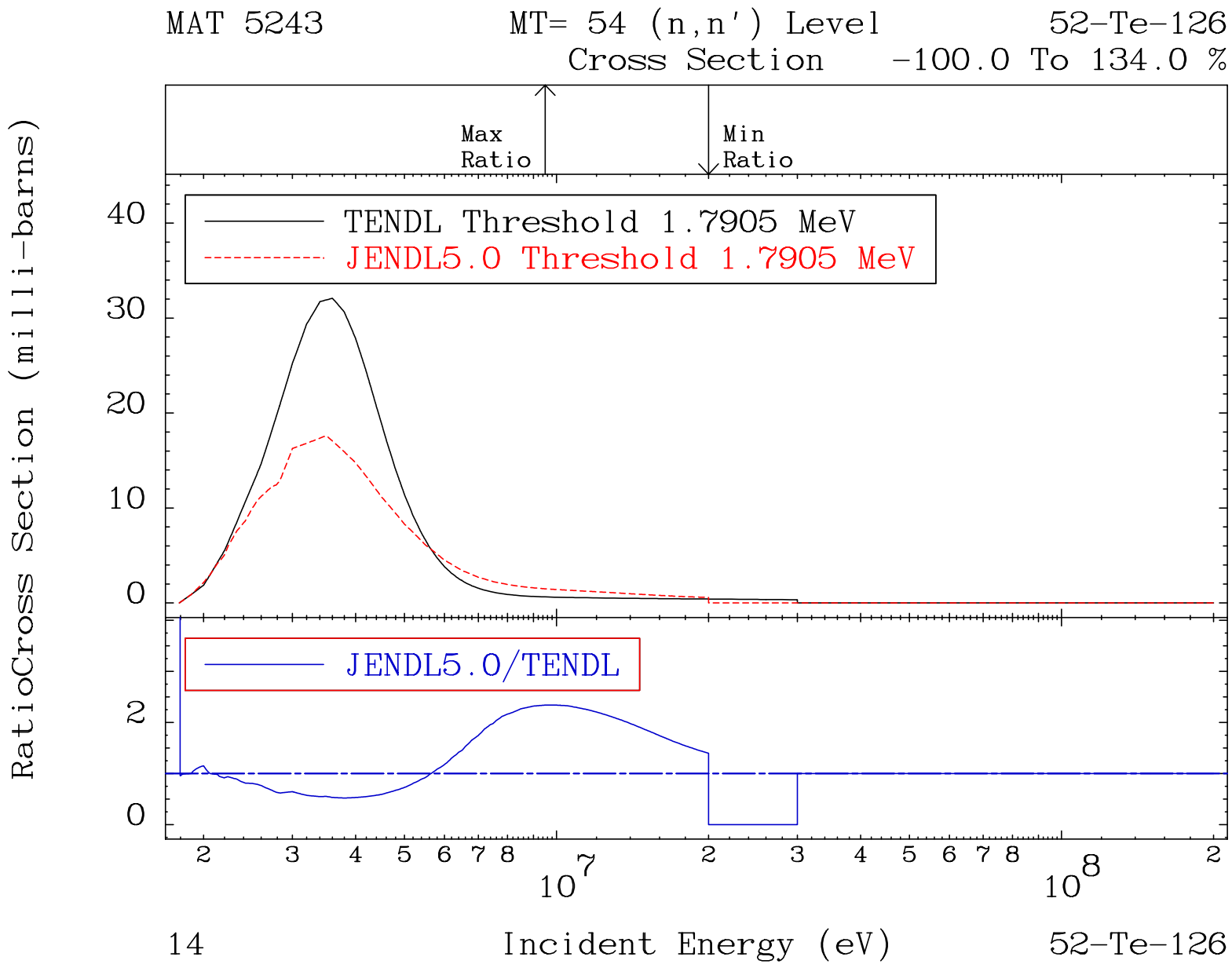

MAT 5243
(n,n') d
Cross Section
52-Te-126
-100.0 To 1235. %
Min
Ratio
TENDL Threshold 15.706 MeV
JENDL5.0 Threshold 15.706 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
9
52-Te-126

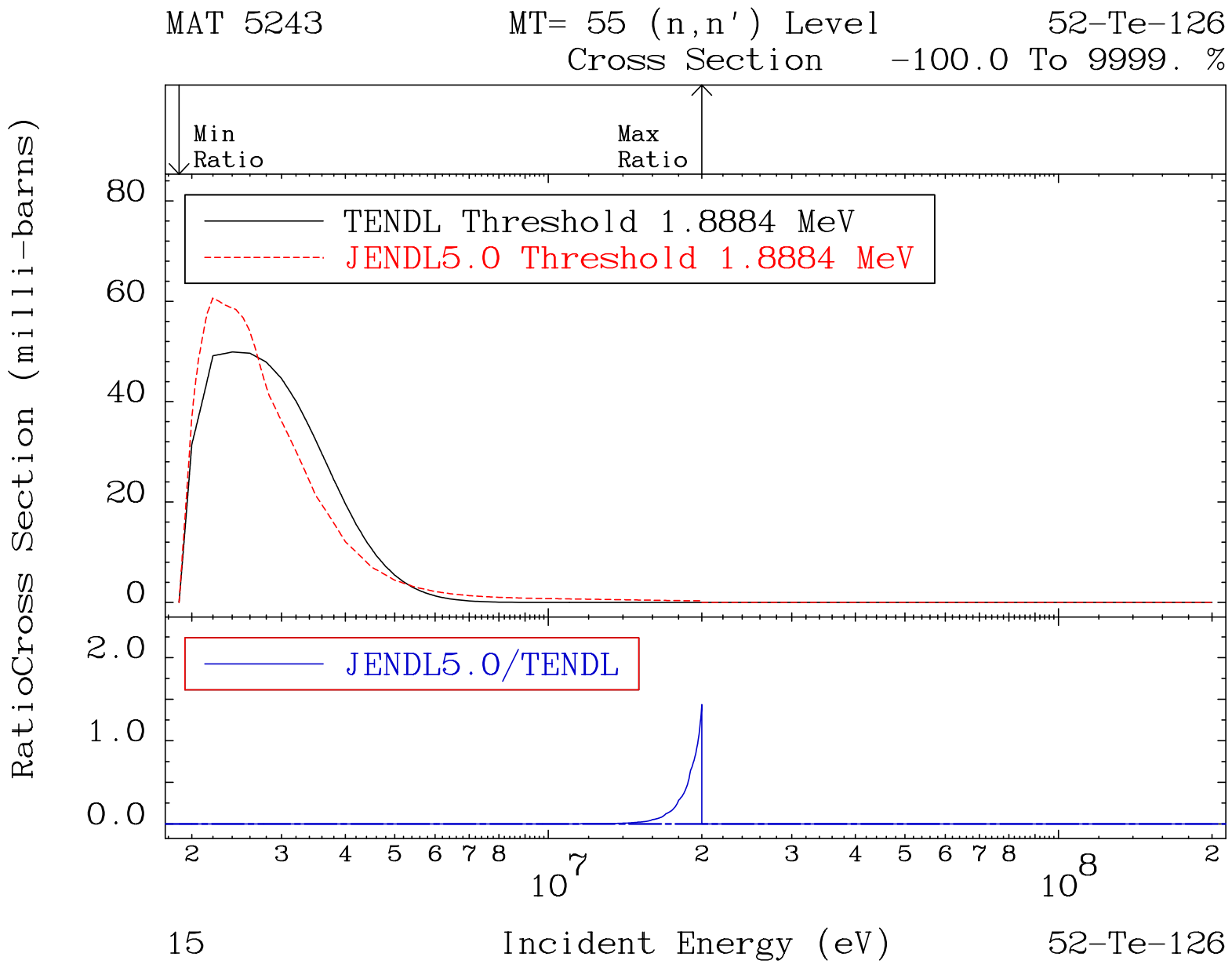

MAT 5243
(n,2n) p
Cross Section
52-Te-126
-100.0 To 9999. %
Min
Ratio
TENDL Threshold 17.948 MeV
JENDL5.0 Threshold 17.948 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
52-Te-126

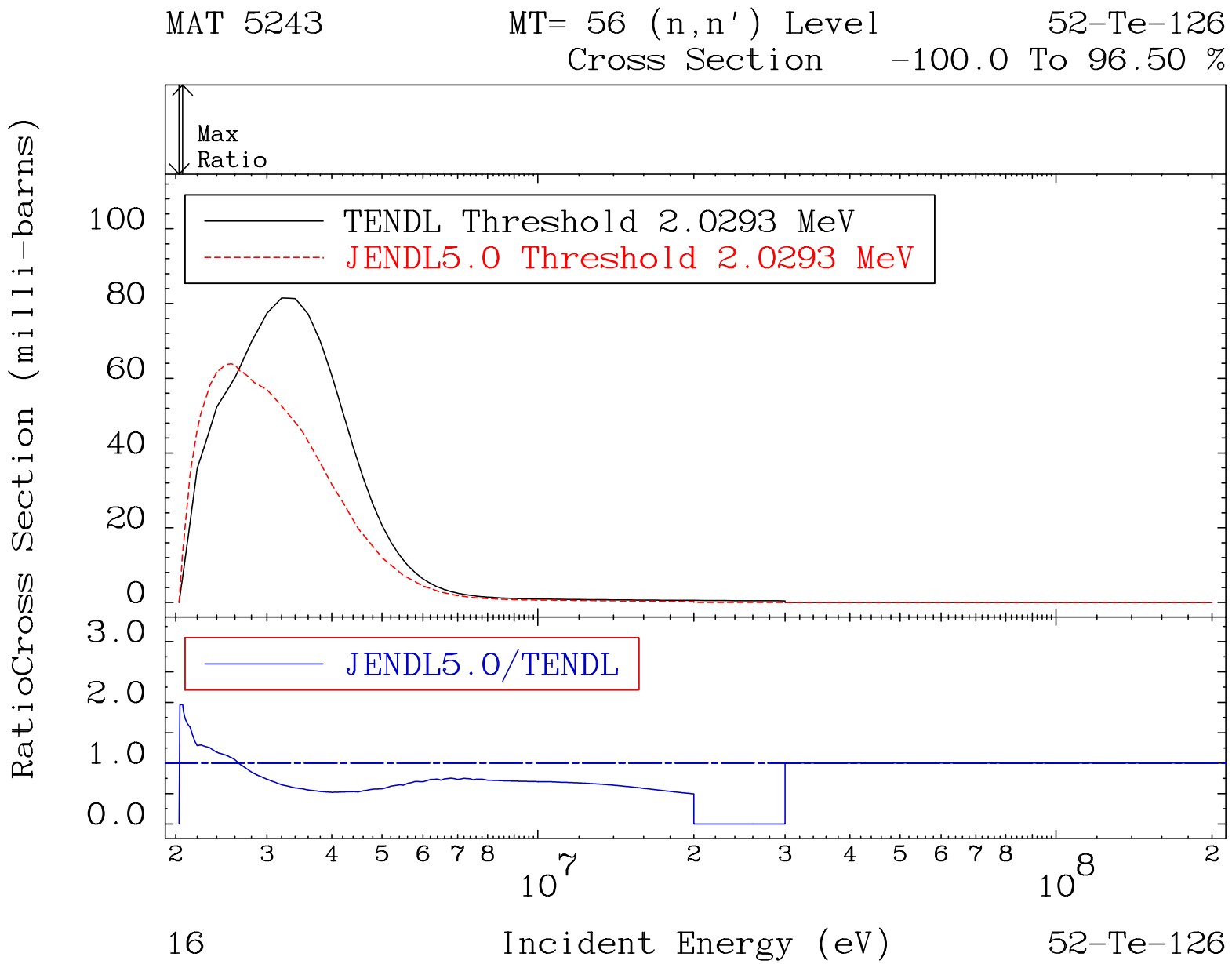

MAT 5243
MT= 51 (n,n') Level
52-Te-126
Cross Section
-100.0 To 20.05 %
Max
Ratio
TENDL Threshold 671.68 keV
JENDL5.0 Threshold 671.68 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
1.0
0.0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
11
Incident Energy (eV)
52-Te-126

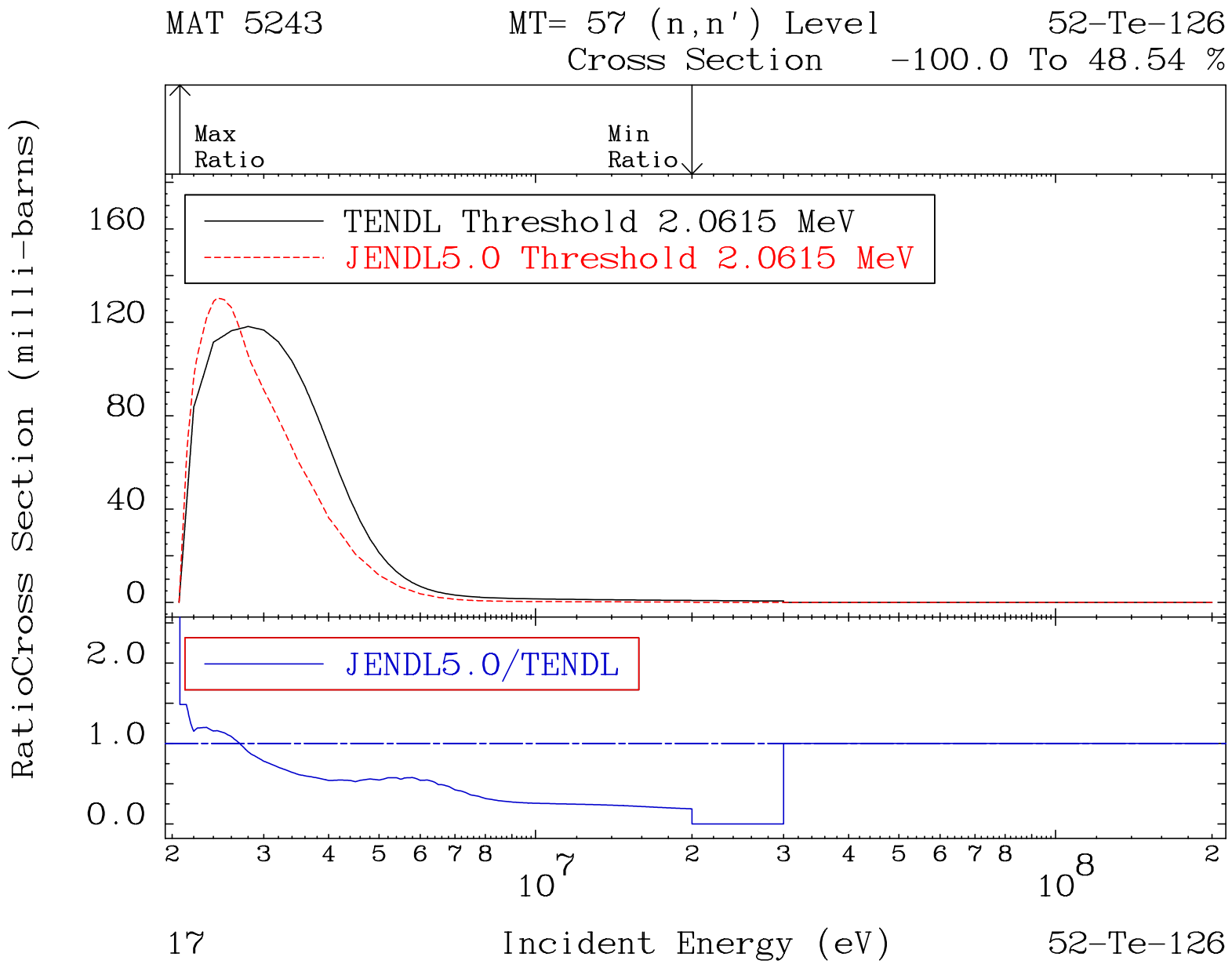

MAT 5243
MT= 52 (n,n') Level
52-Te-126
Cross Section
-100.0 To 63.83 %
Max
Ratio
TENDL Threshold 1.3723 MeV
JENDL5.0 Threshold 1.3723 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
12
Incident Energy (eV)
52-Te-126

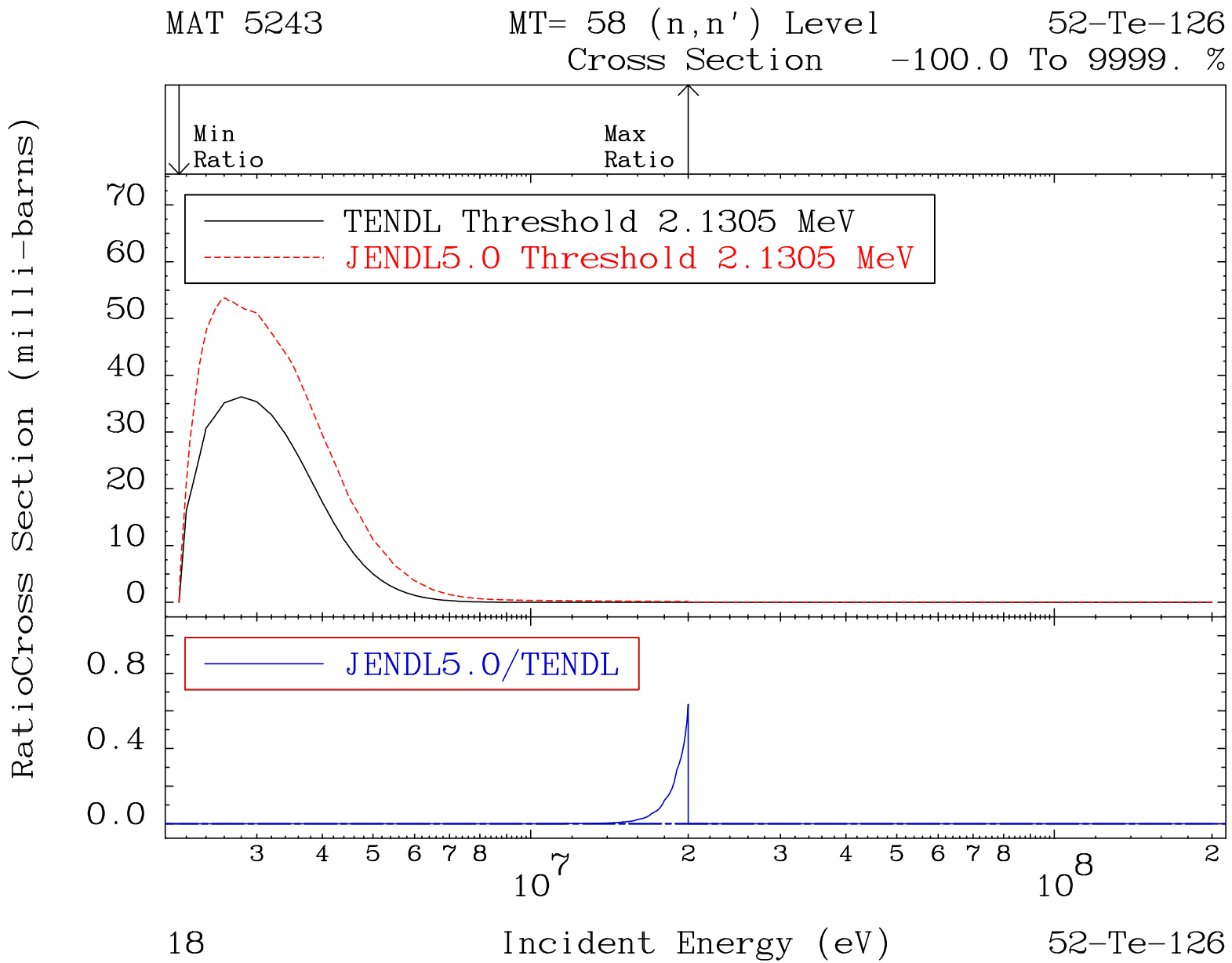

MAT 5243
MT= 53 (n,n') Level
52-Te-126
Cross Section
-100.0 To 64.74 %
Max Ratio
Min Ratio
TENDL Threshold 1.4316 MeV
JENDL5.0 Threshold 1.4316 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
13
Incident Energy (eV)
52-Te-126

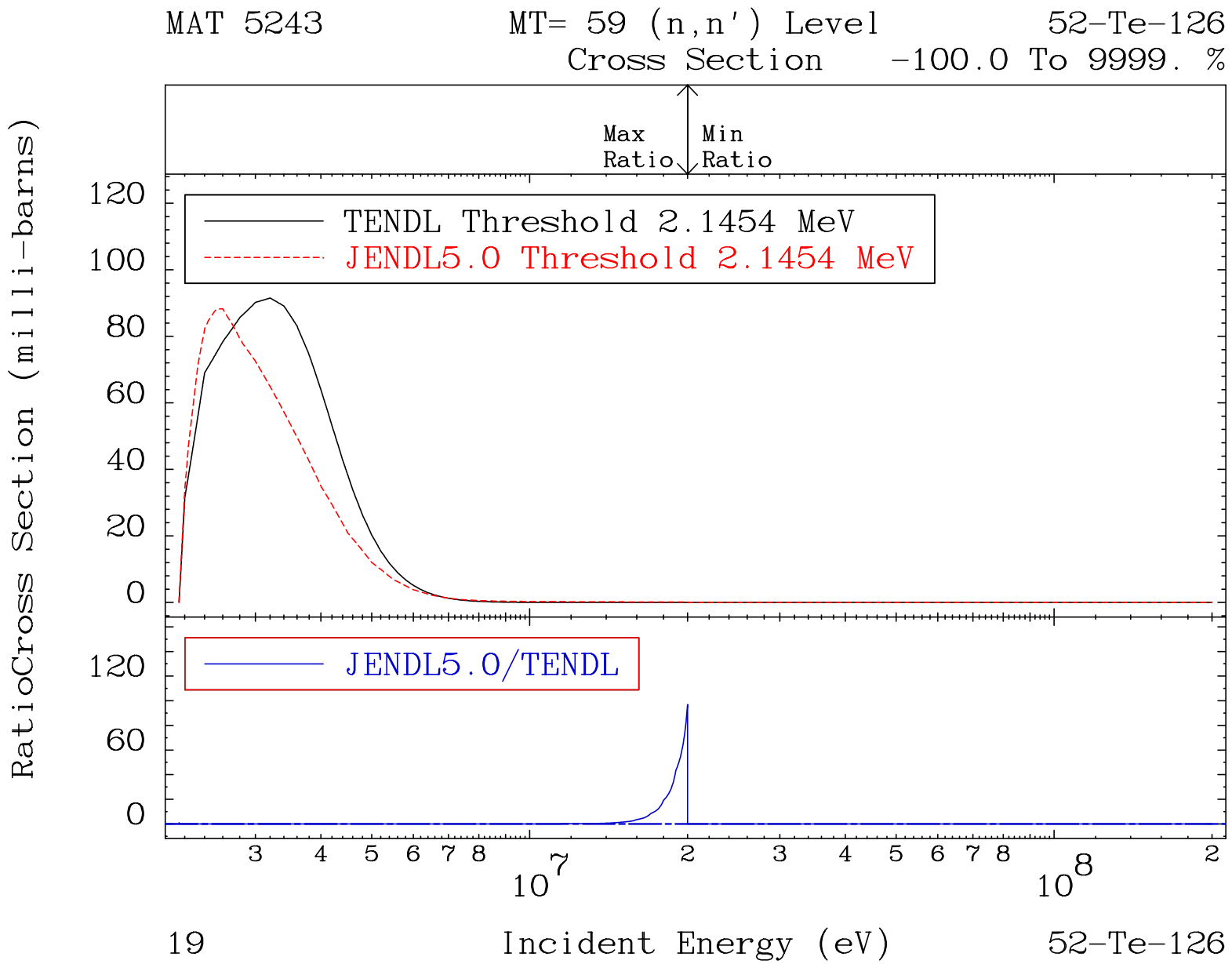

MAT 5243
MT= 54 (n,n') Level
52-Te-126
Cross Section
-100.0 To 134.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.7905 MeV
JENDL5.0 Threshold 1.7905 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2
0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
14
Incident Energy (eV)
52-Te-126

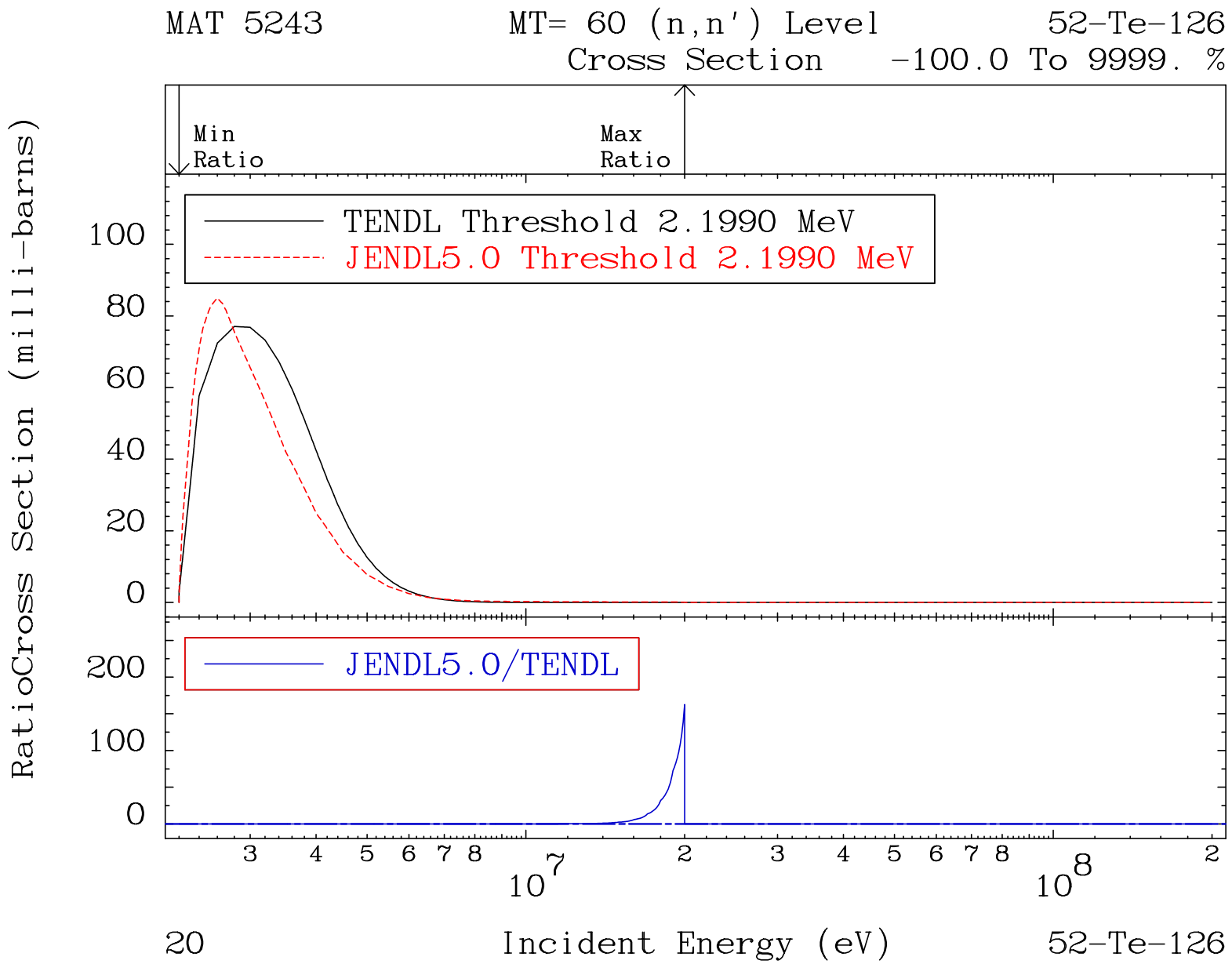

MAT 5243
MT= 55 (n,n') Level
52-Te-126
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 1.8884 MeV
JENDL5.0 Threshold 1.8884 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
15
Incident Energy (eV)
52-Te-126

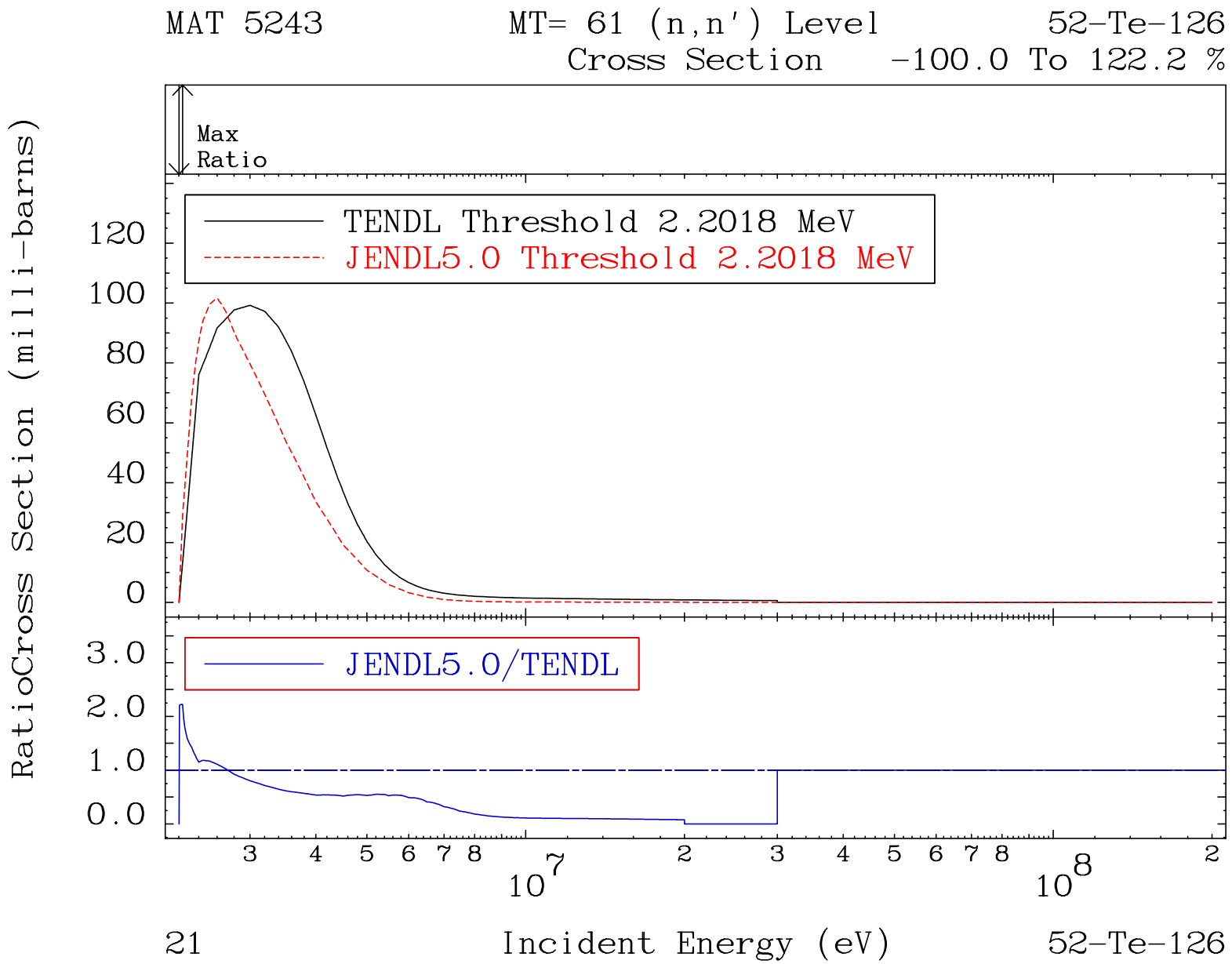

MAT 5243
MT= 56 (n,n') Level
52-Te-126
Cross Section
-100.0 To 96.50 %
Max
Ratio
TENDL Threshold 2.0293 MeV
JENDL5.0 Threshold 2.0293 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
16
Incident Energy (eV)
52-Te-126

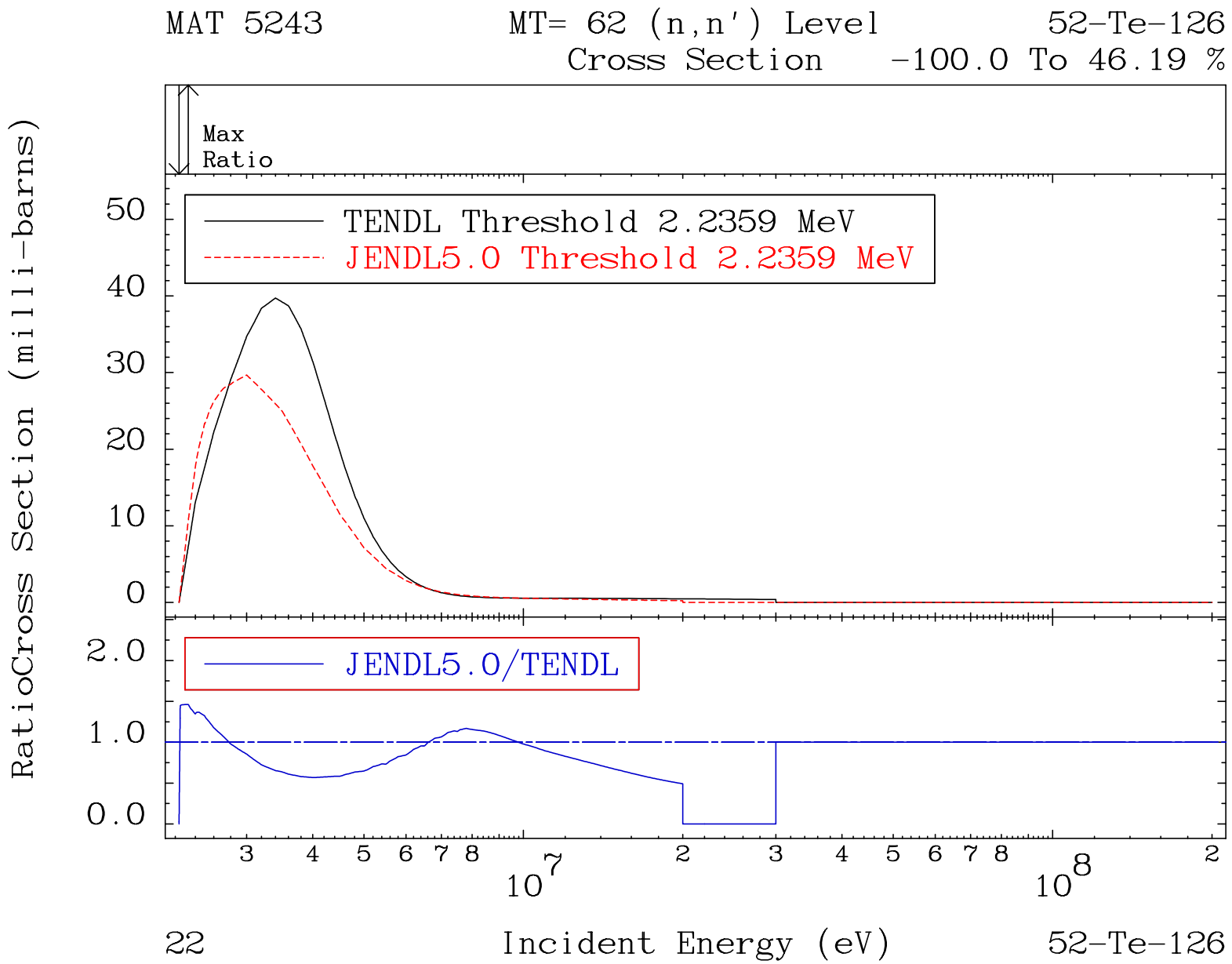

MAT 5243
MT= 57 (n,n') Level
52-Te-126
Cross Section
-100.0 To 48.54 %
Max Ratio
Min Ratio
TENDL Threshold 2.0615 MeV
JENDL5.0 Threshold 2.0615 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
17
Incident Energy (eV)
52-Te-126

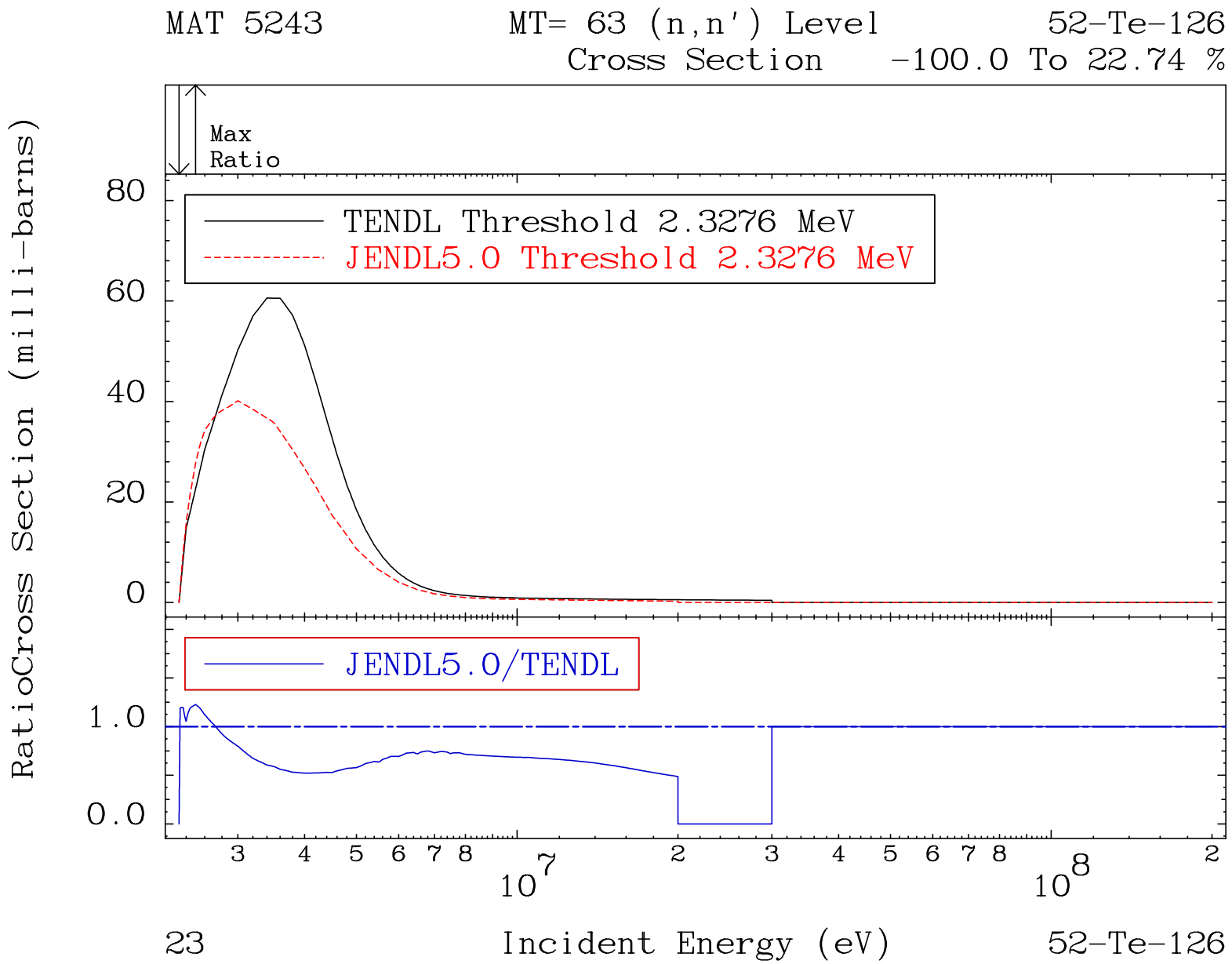

MAT 5243
MT= 58 (n,n') Level
52-Te-126
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.1305 MeV
JENDL5.0 Threshold 2.1305 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
0.8
0.4
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
52-Te-126

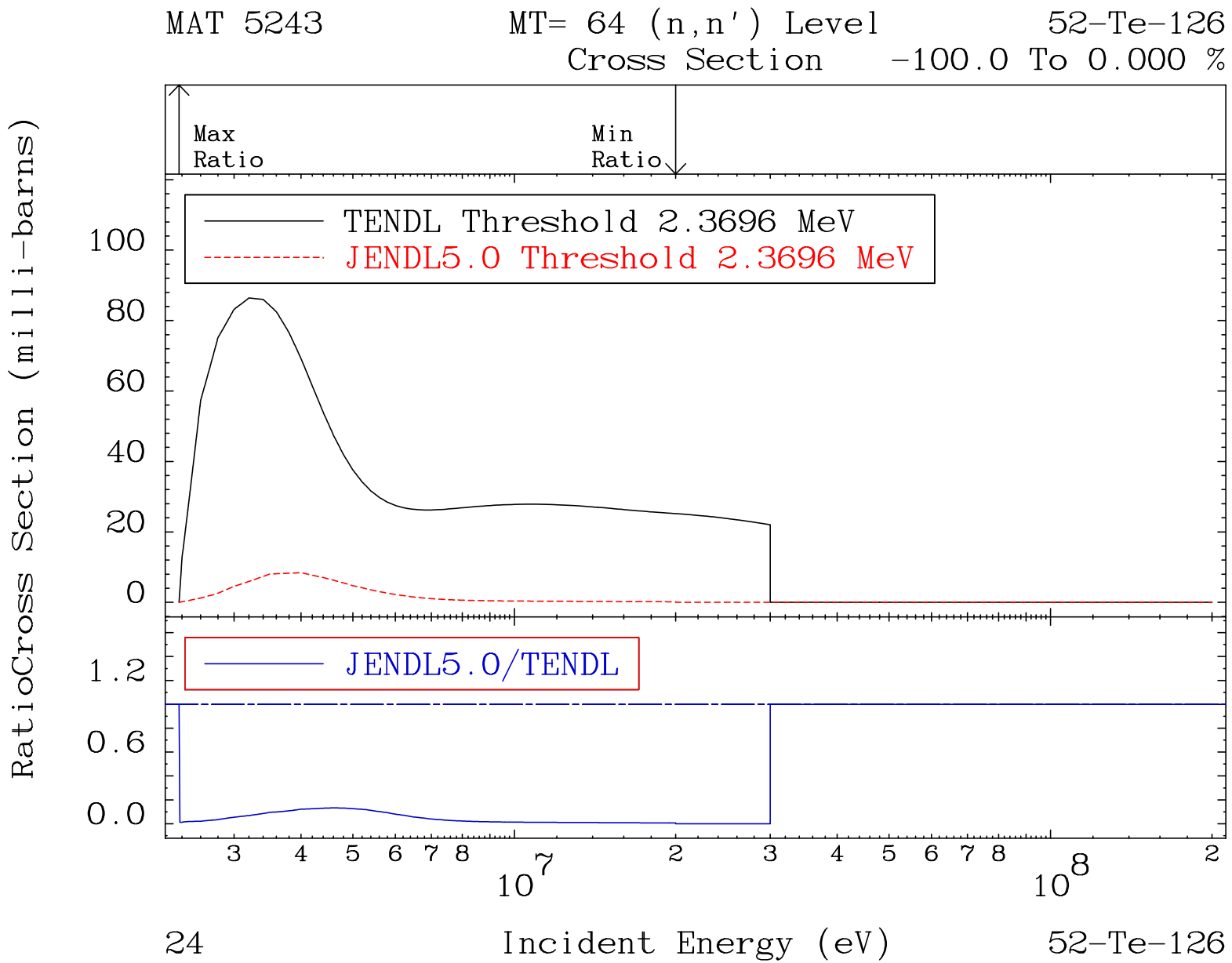

MAT 5243
MT= 59 (n,n') Level
52-Te-126
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.1454 MeV
JENDL5.0 Threshold 2.1454 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
120
60
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
52-Te-126

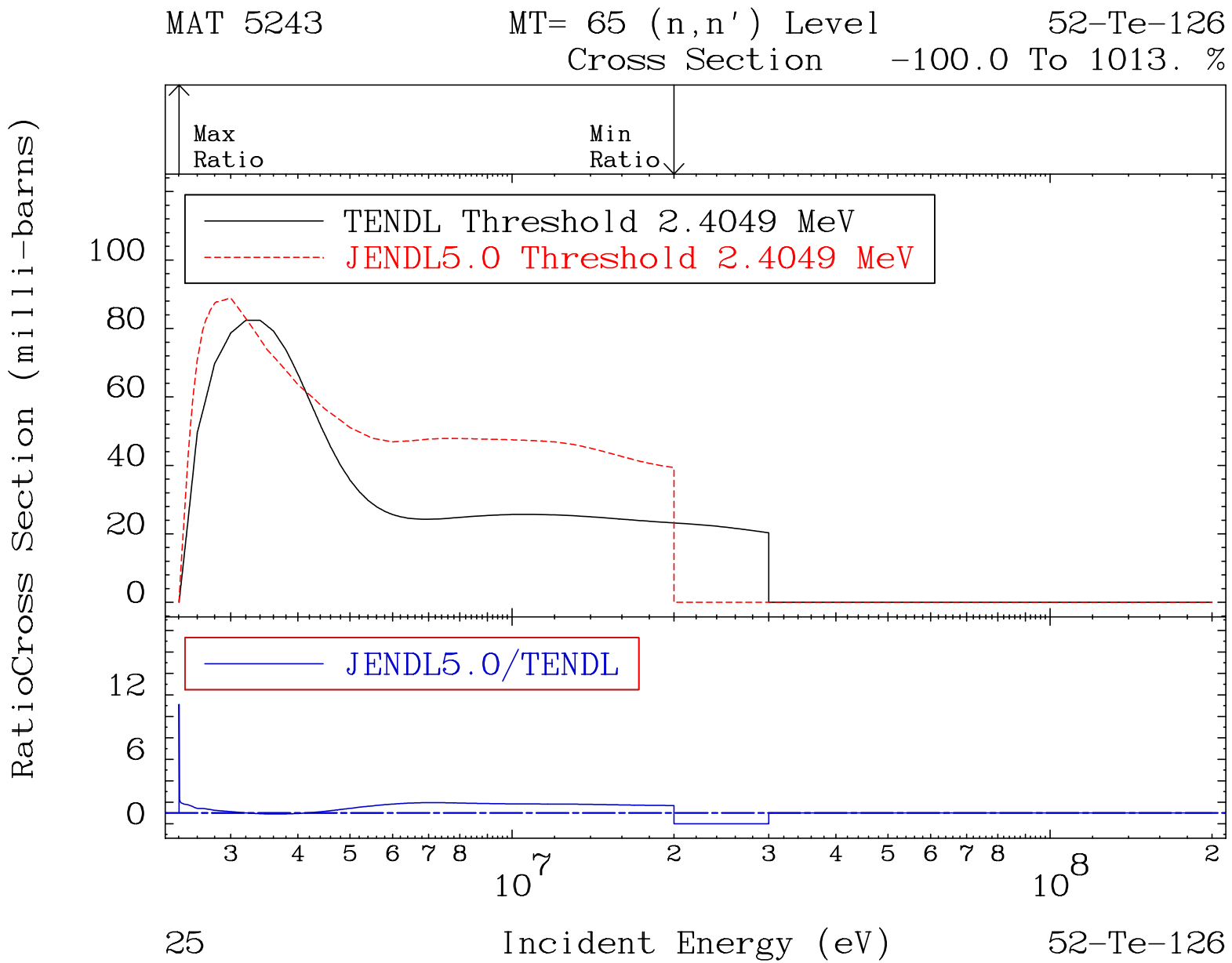

MAT 5243
MT= 60 (n,n') Level
52-Te-126
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.1990 MeV
JENDL5.0 Threshold 2.1990 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
200
100
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
20
Incident Energy (eV)
52-Te-126

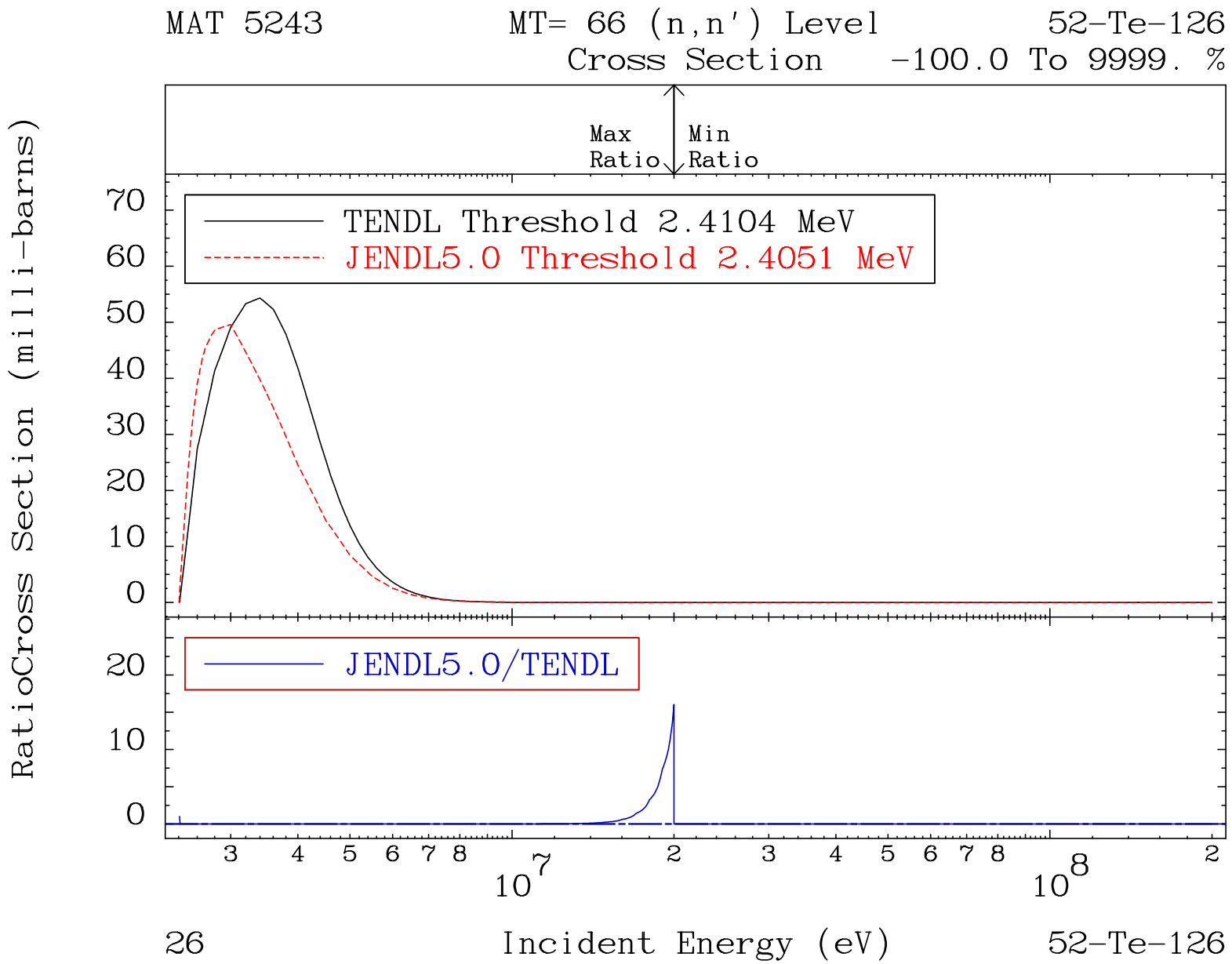

MAT 5243
MT= 61 (n,n') Level
52-Te-126
Cross Section
-100.0 To 122.2 %
Max
Ratio
TENDL Threshold 2.2018 MeV
JENDL5.0 Threshold 2.2018 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
52-Te-126

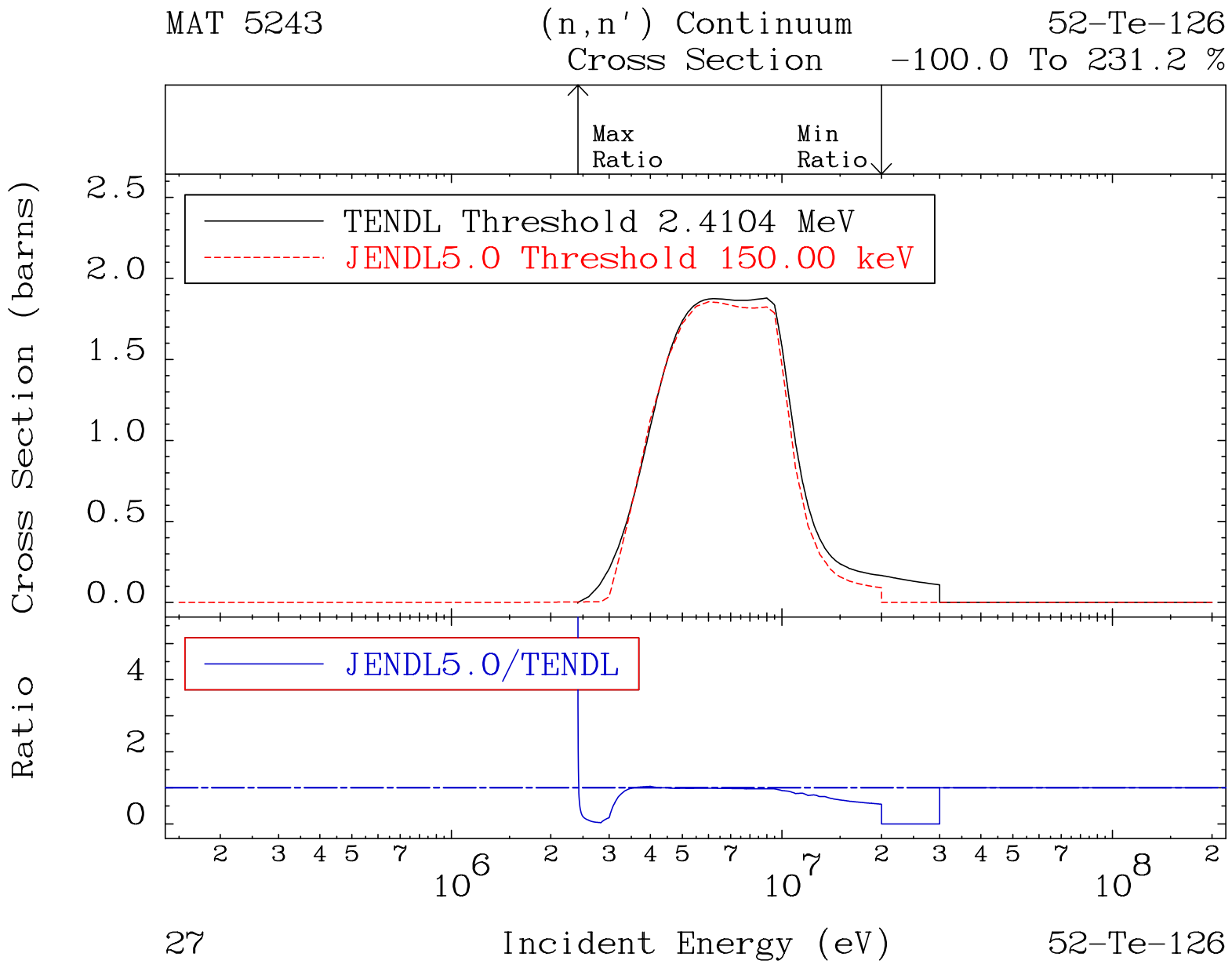

MAT 5243
MT= 62 (n,n') Level
52-Te-126
Cross Section
-100.0 To 46.19 %
Max
Ratio
TENDL Threshold 2.2359 MeV
JENDL5.0 Threshold 2.2359 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
52-Te-126

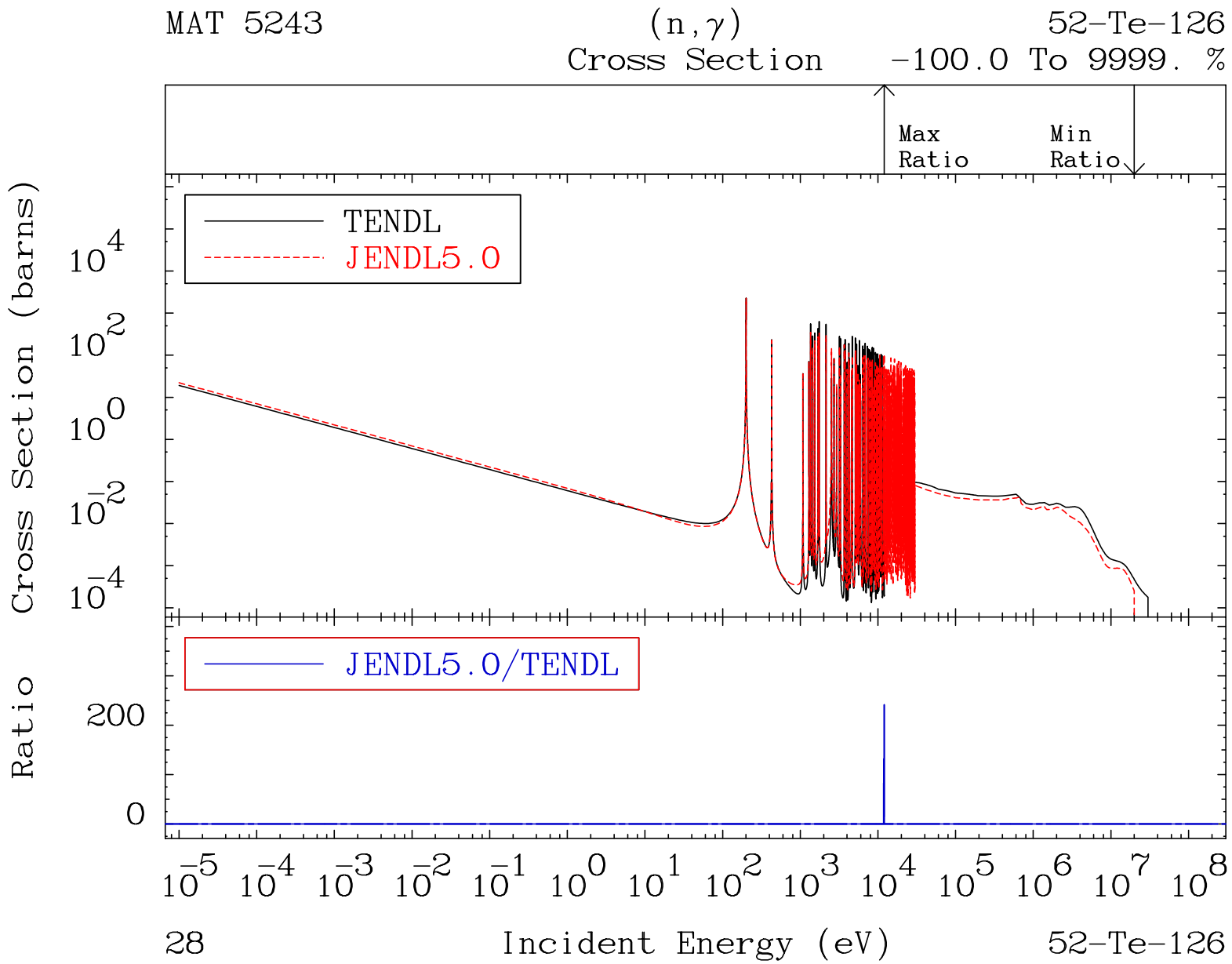

MAT 5243
MT= 63 (n,n') Level
52-Te-126
Cross Section
-100.0 To 22.74 %
Max
Ratio
80
60
40
20
0
TENDL Threshold 2.3276 MeV
JENDL5.0 Threshold 2.3276 MeV
JENDL5.0/TENDL
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
RatioCross Section (milli-barns)
23
Incident Energy (eV)
52-Te-126

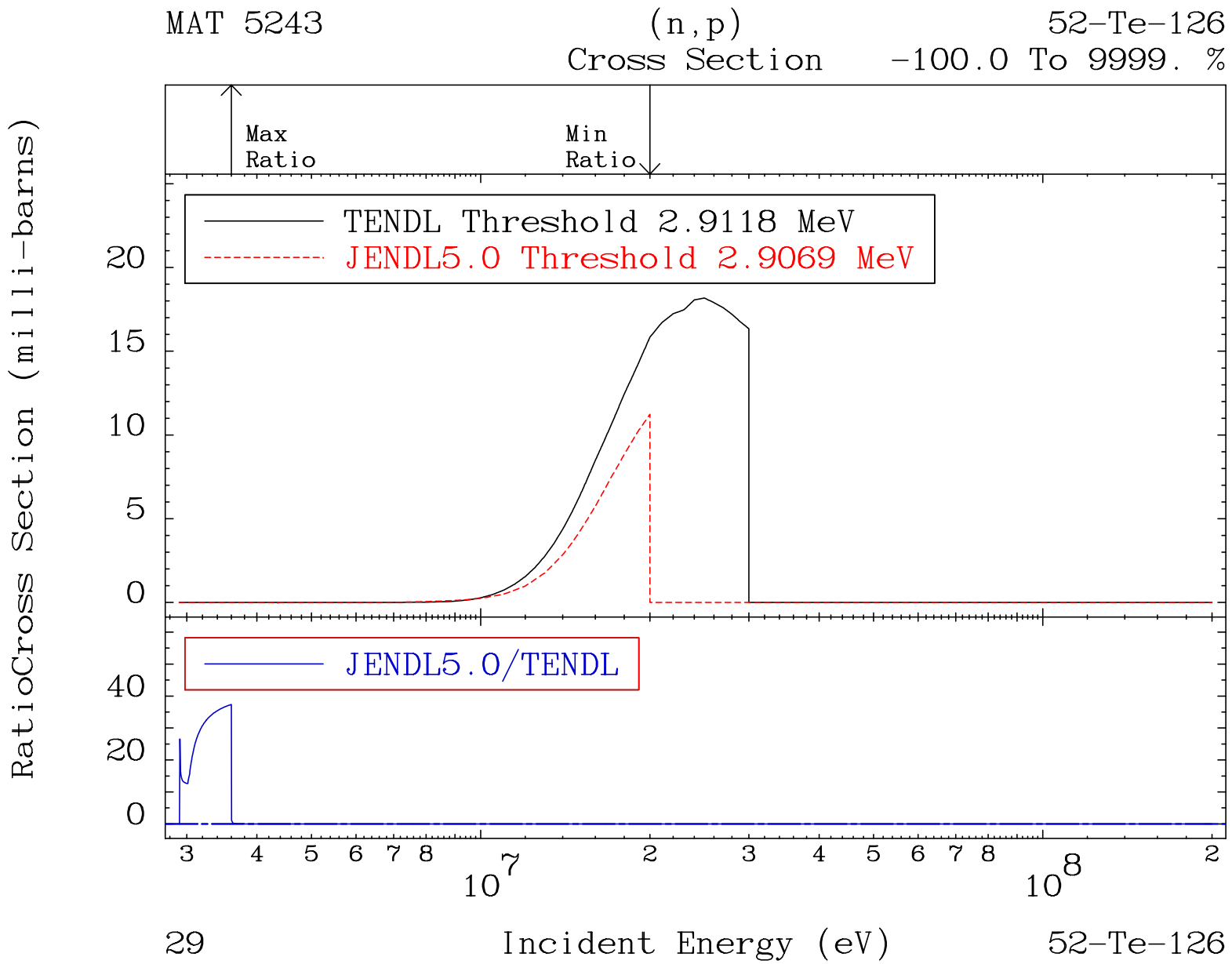

MAT 5243
MT= 64 (n,n') Level
52-Te-126
Cross Section -100.0 To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 2.3696 MeV
JENDL5.0 Threshold 2.3696 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.6
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
24
Incident Energy (eV)
52-Te-126

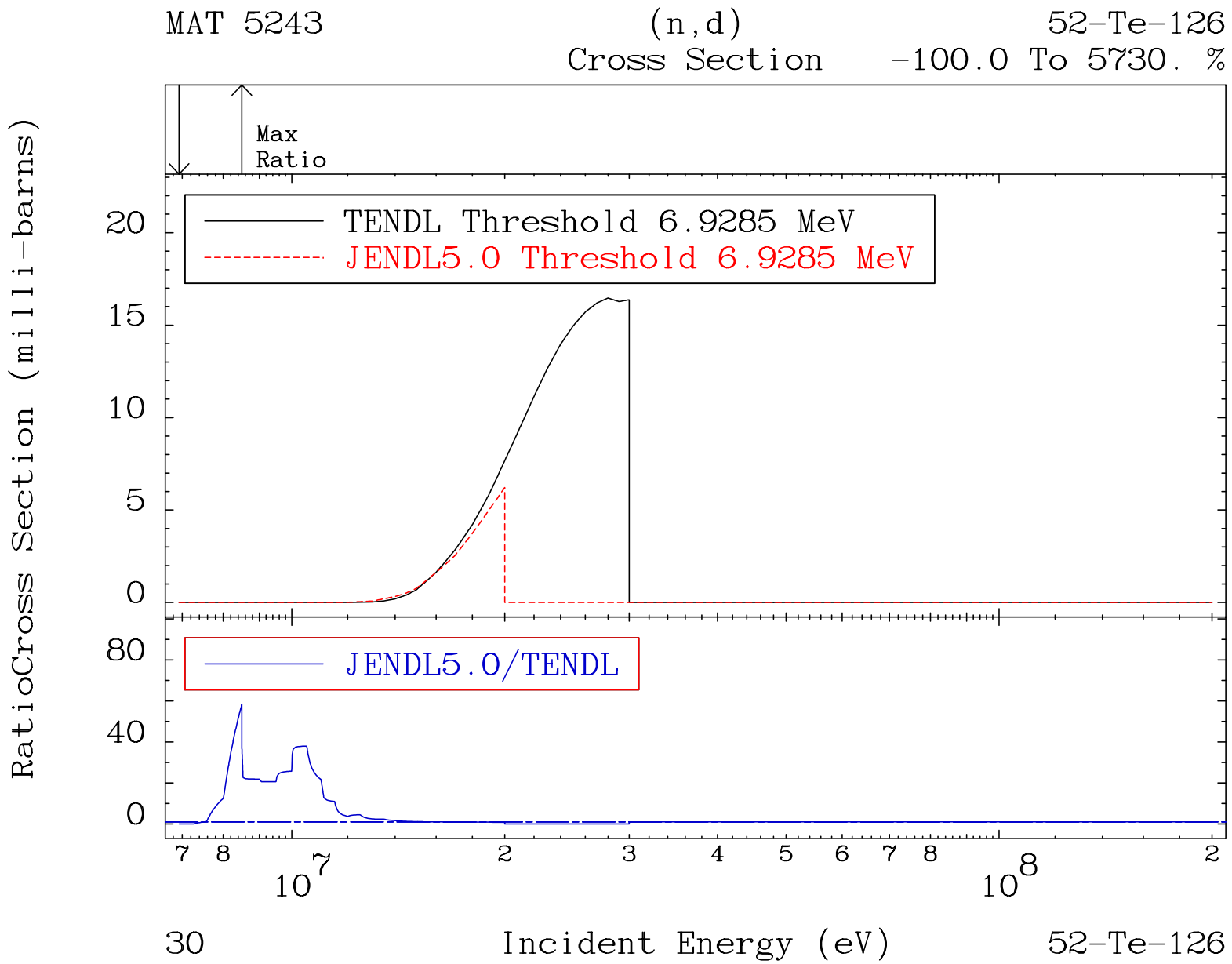

MAT 5243
MT= 65 (n,n') Level
52-Te-126
Cross Section -100.0 To 1013. %
Max Ratio
Min Ratio
TENDL Threshold 2.4049 MeV
JENDL5.0 Threshold 2.4049 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
12
6
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
25
Incident Energy (eV)
52-Te-126

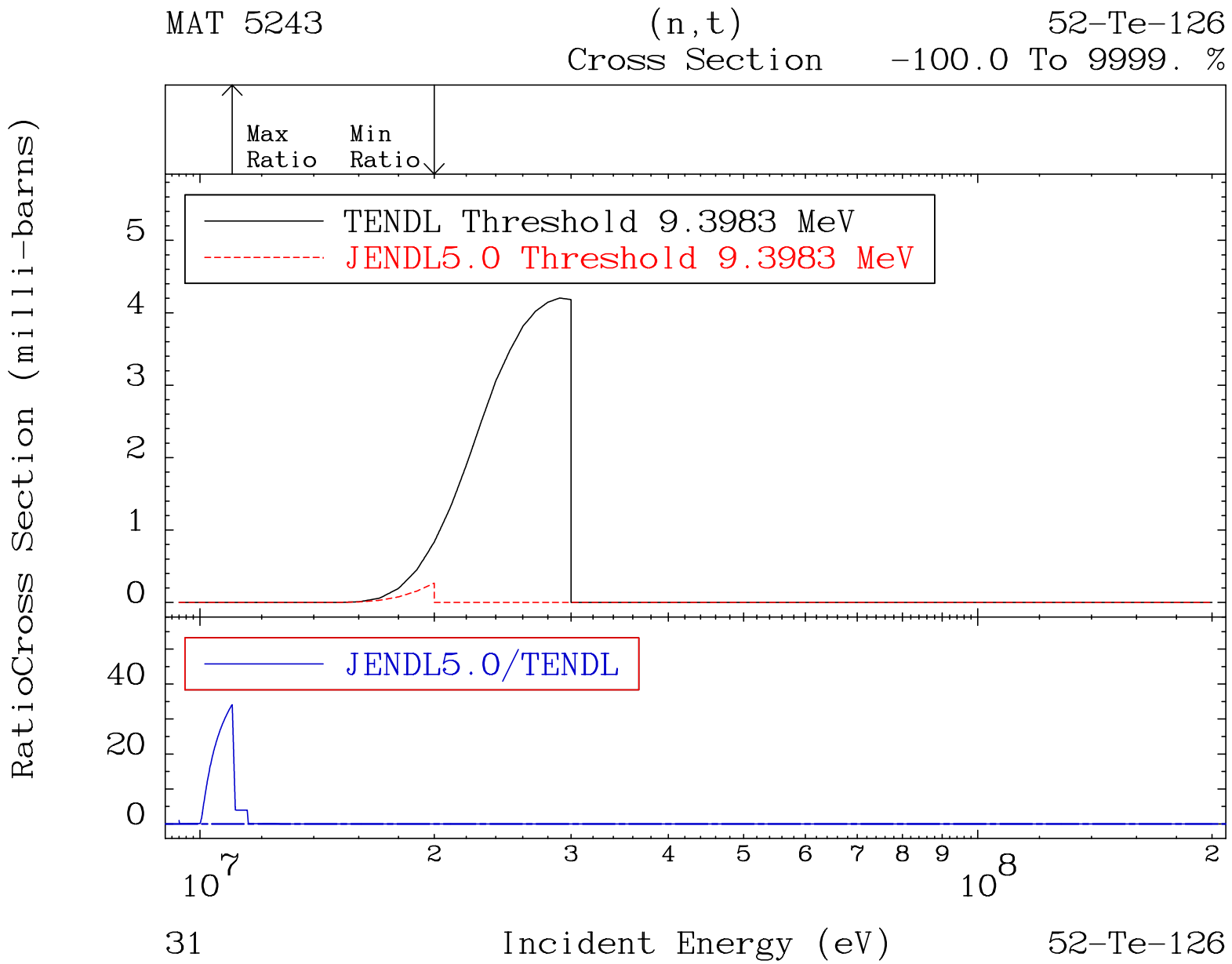

MAT 5243
MT= 66 (n,n') Level
52-Te-126
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.4104 MeV
JENDL5.0 Threshold 2.4051 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
70
60
50
40
30
20
10
0
20
10
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
26
Incident Energy (eV)
52-Te-126

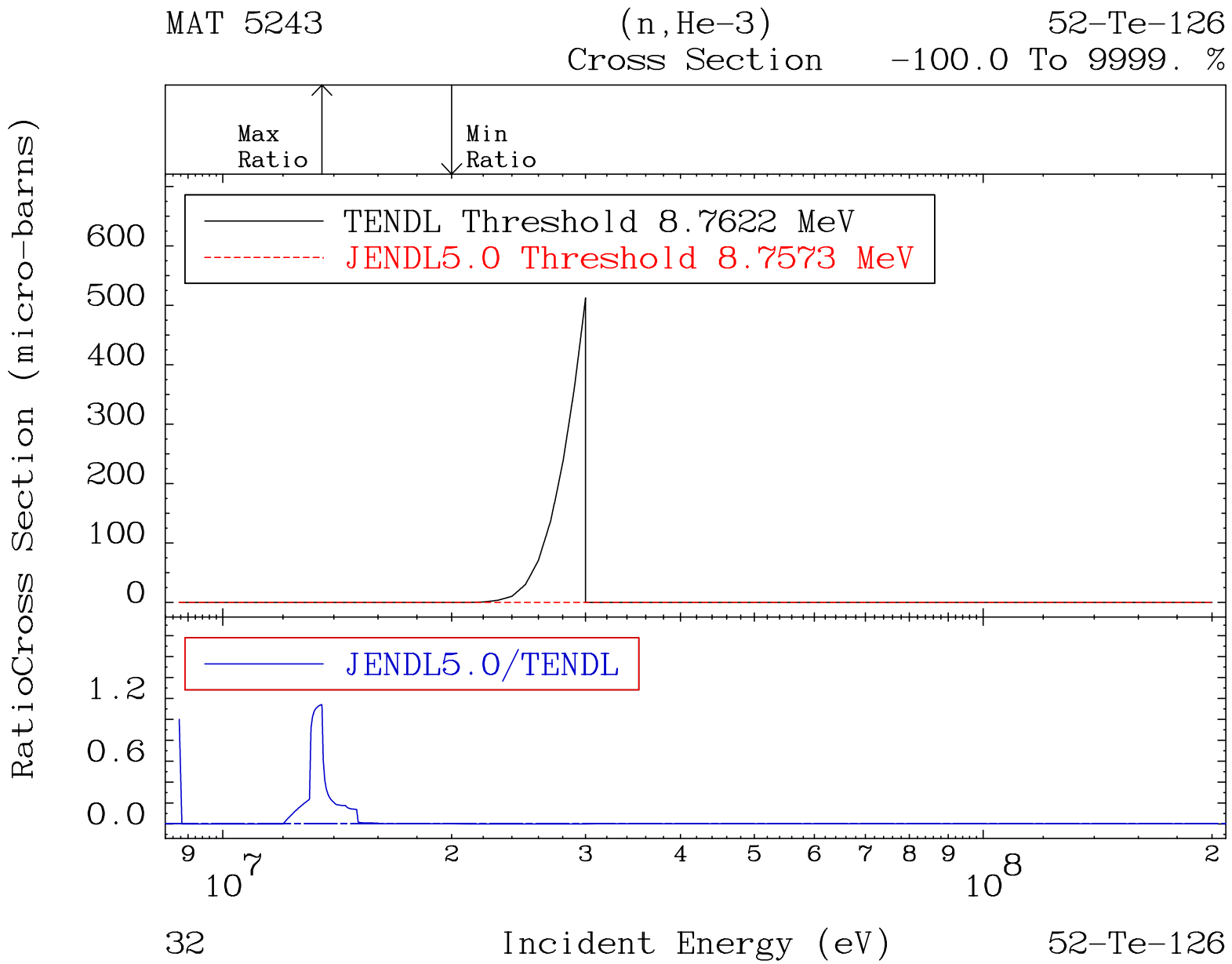

MAT 5243
(n,n') Continuum
Cross Section
52-Te-126
-100.0 To 231.2 %
Max
Ratio
Min
Ratio
TENDL Threshold 2.4104 MeV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
27
52-Te-126

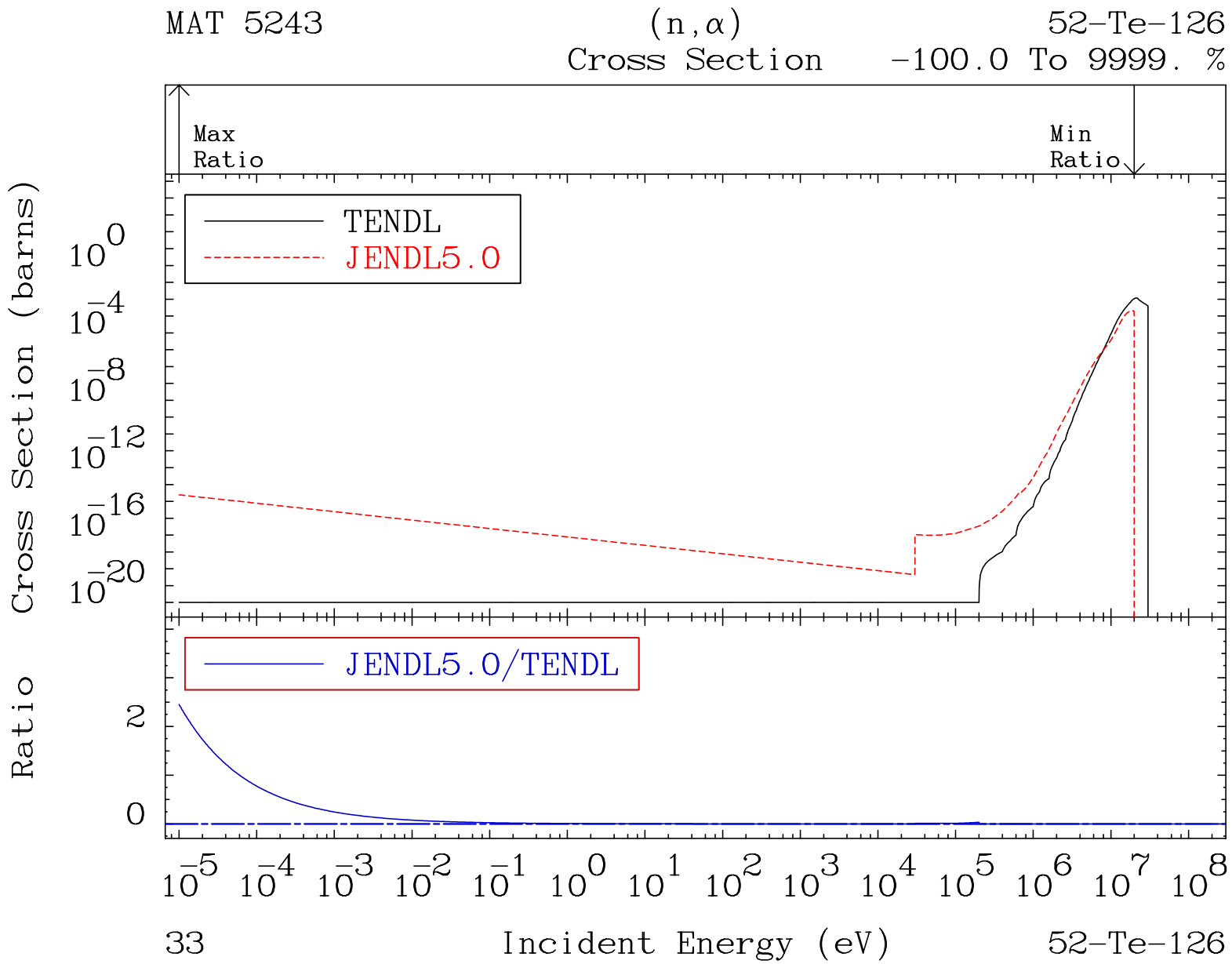

MAT 5243
(n,γ)
Cross Section
52-Te-126
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^4
10^2
10^0
10^-2
10^-4
JENDL5.0/TENDL
Ratio
200
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
28
Incident Energy (eV)
52-Te-126

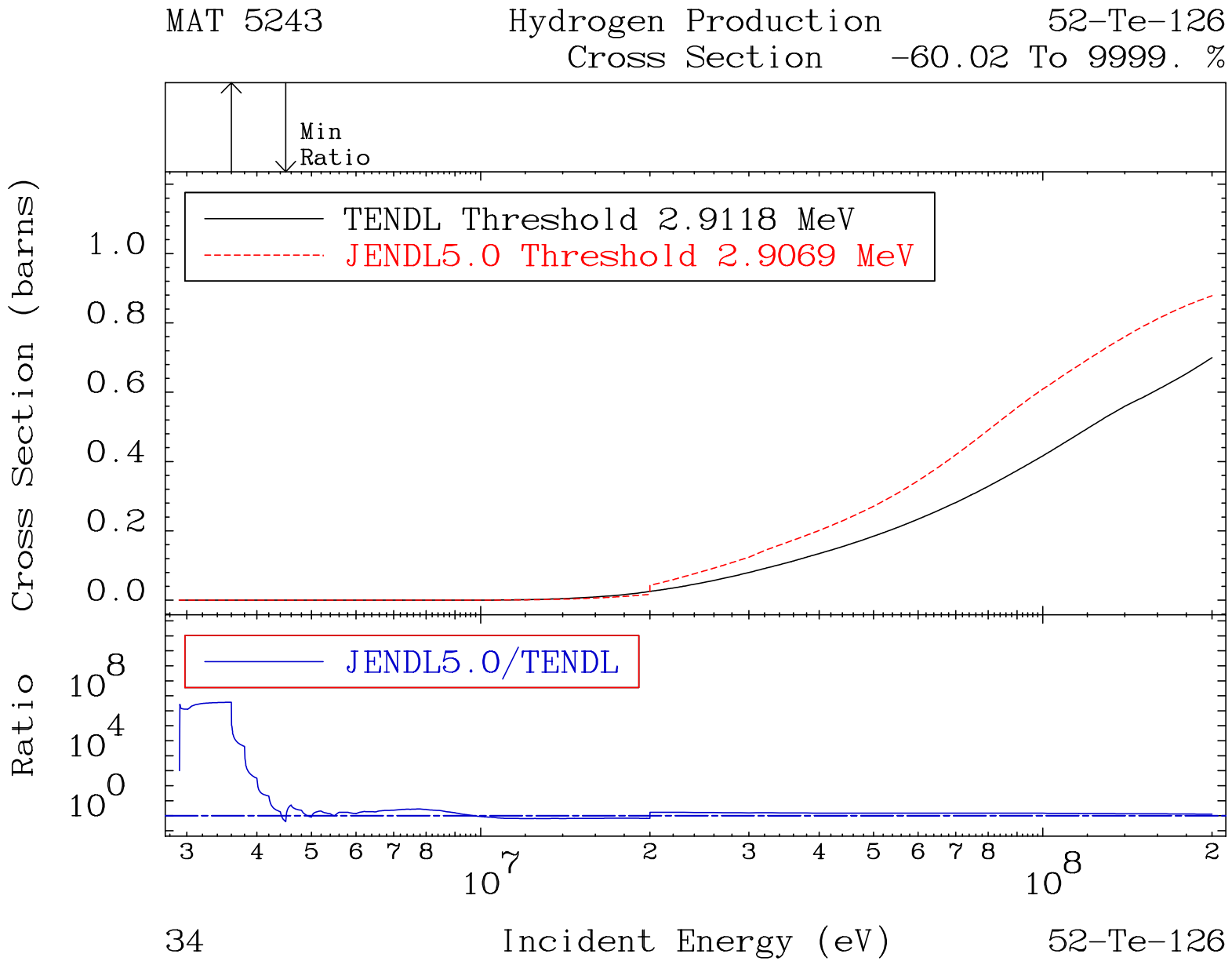

MAT 5243
(n,p)
52-Te-126
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.9118 MeV
JENDL5.0 Threshold 2.9069 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
29
52-Te-126

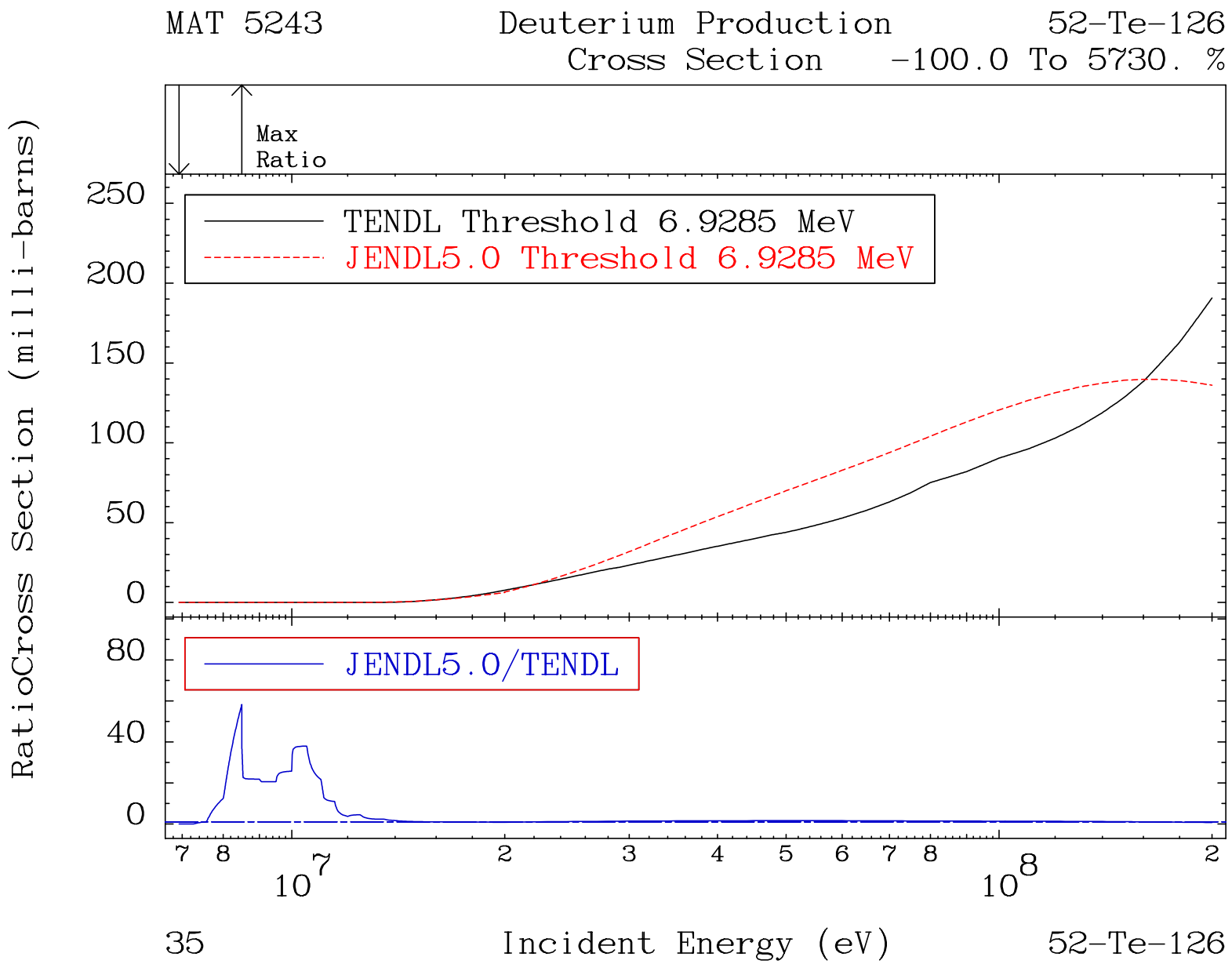

MAT 5243
(n,d)
52-Te-126
Cross Section
-100.0 To 5730. %
Max
Ratio
TENDL Threshold 6.9285 MeV
JENDL5.0 Threshold 6.9285 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
80
40
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
30
Incident Energy (eV)
52-Te-126

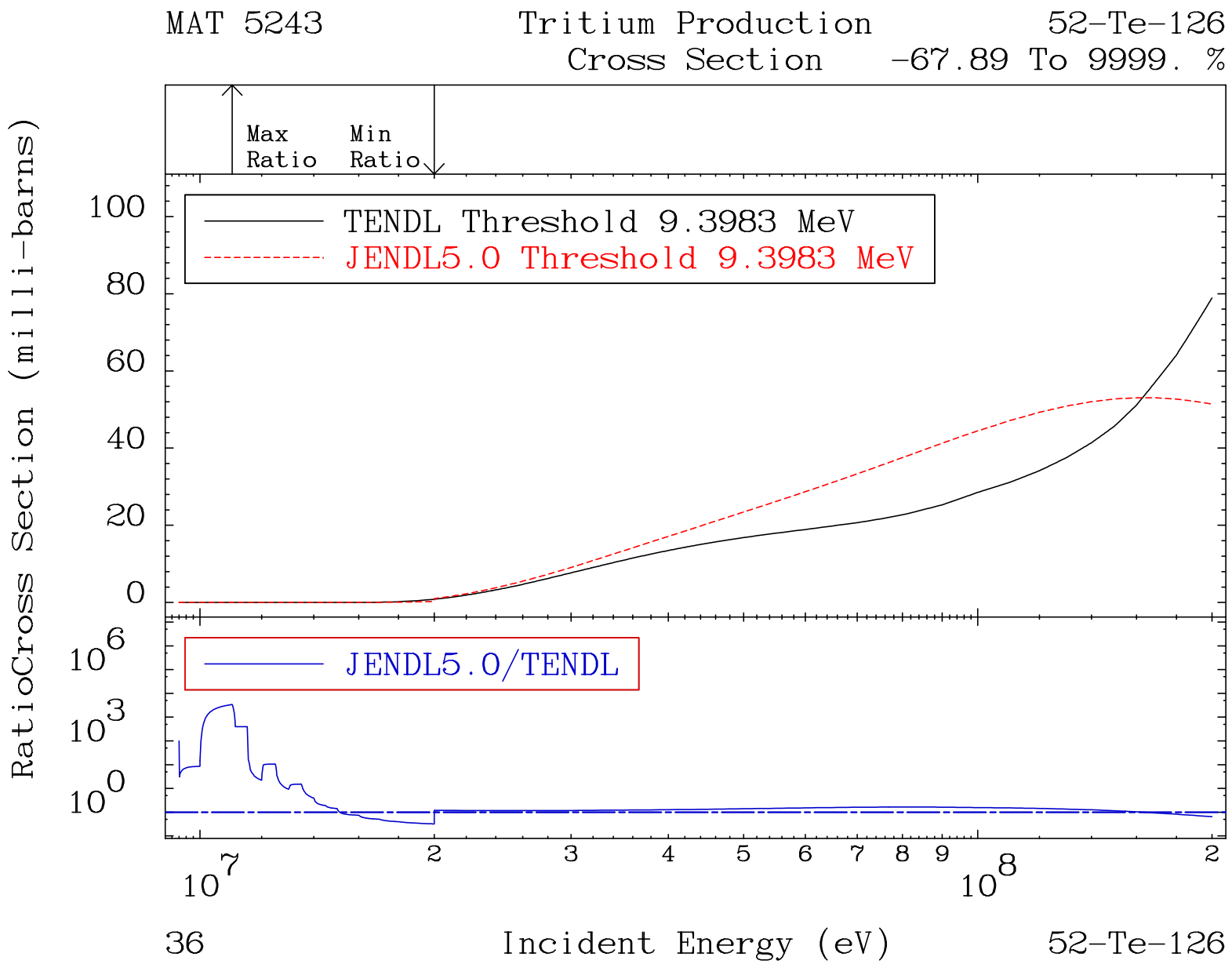

MAT 5243
(n,t)
Cross Section
52-Te-126
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.3983 MeV
JENDL5.0 Threshold 9.3983 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
31
52-Te-126

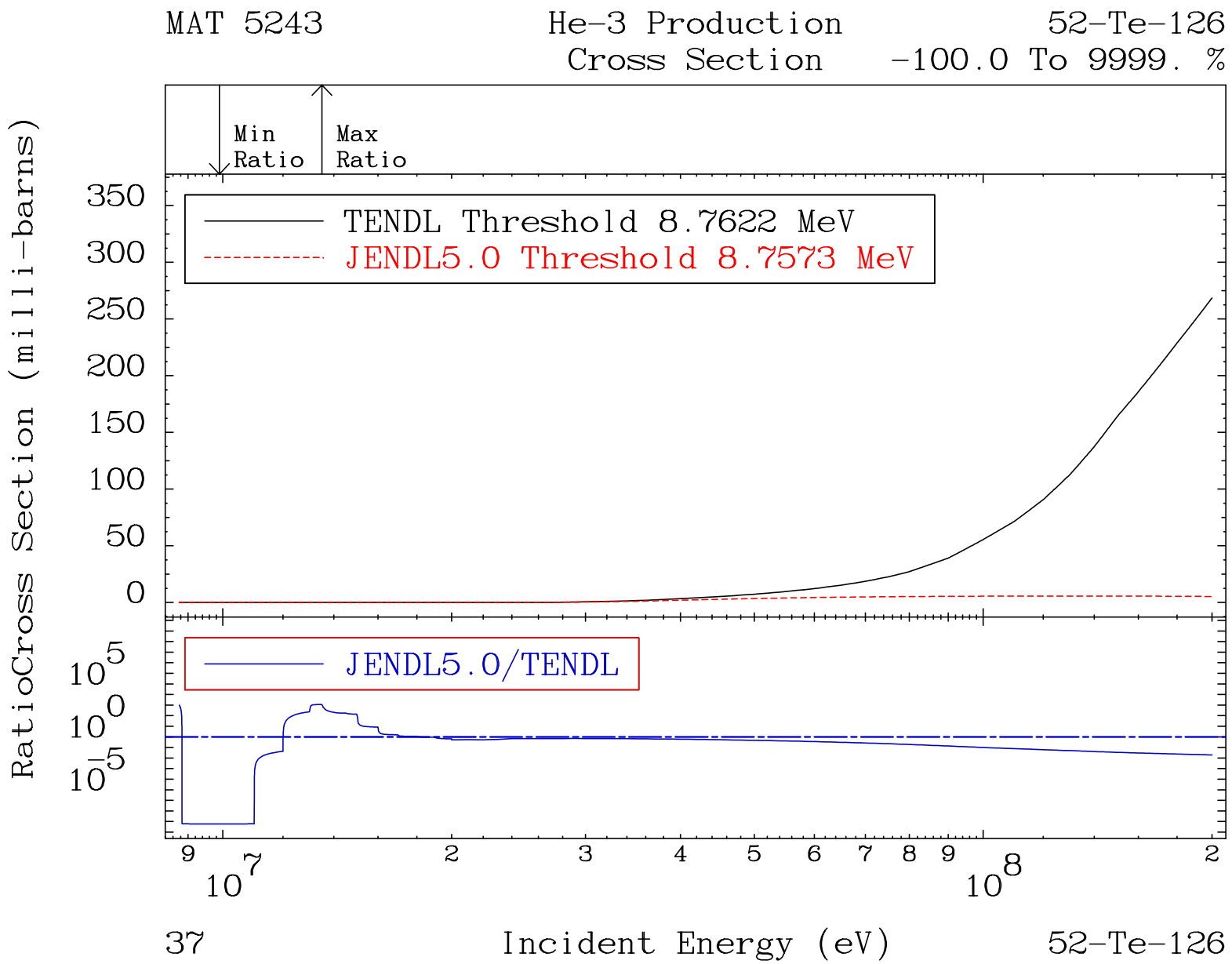

MAT 5243
(n,He-3)
Cross Section
52-Te-126
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.7622 MeV
JENDL5.0 Threshold 8.7573 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
1.2
0.6
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
32
Incident Energy (eV)
52-Te-126

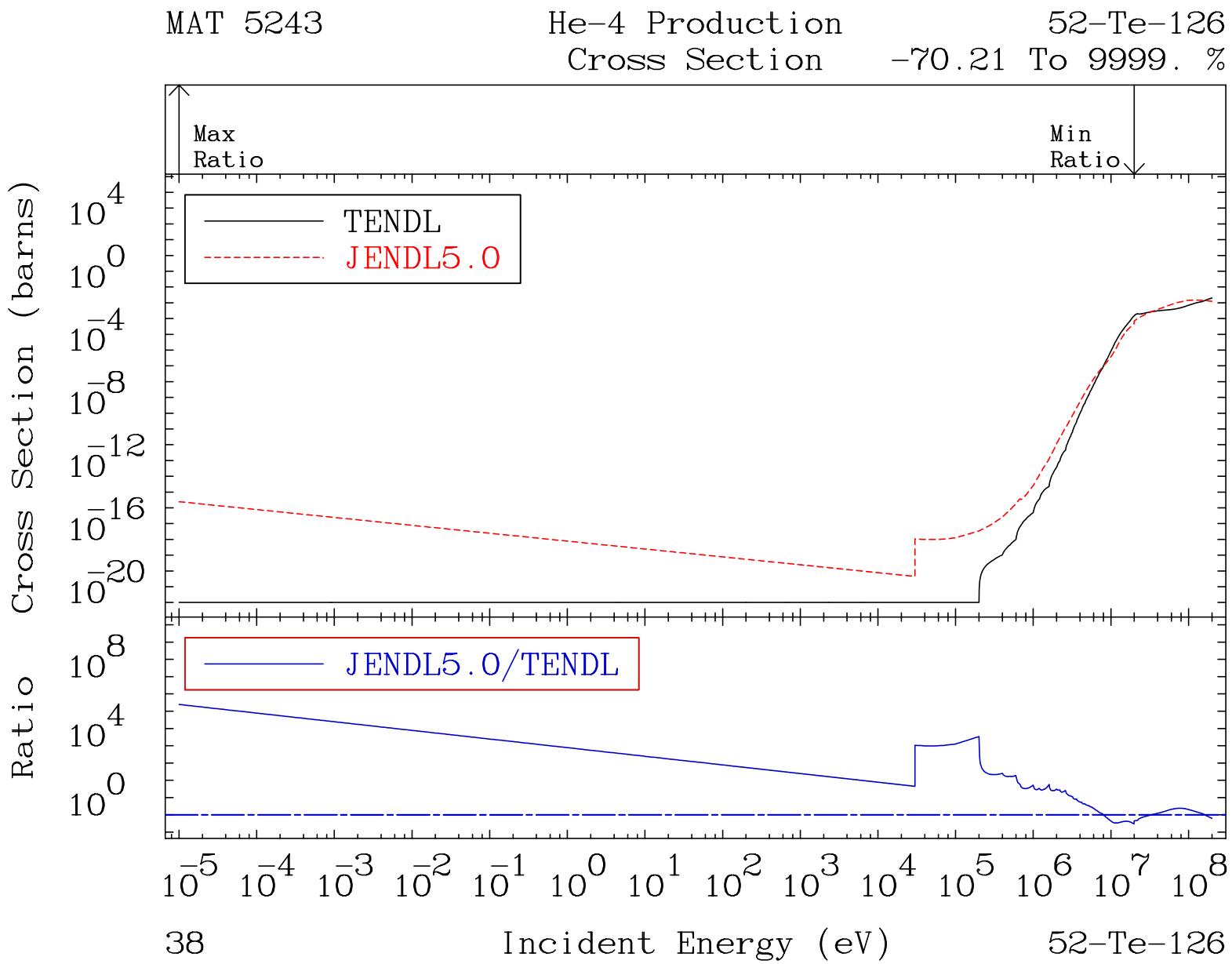

MAT 5243
(n,α)
Cross Section
52-Te-126
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^0
10^-4
10^-8
10^-12
10^-16
10^-20
JENDL5.0/TENDL
Ratio
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
33
Incident Energy (eV)
52-Te-126

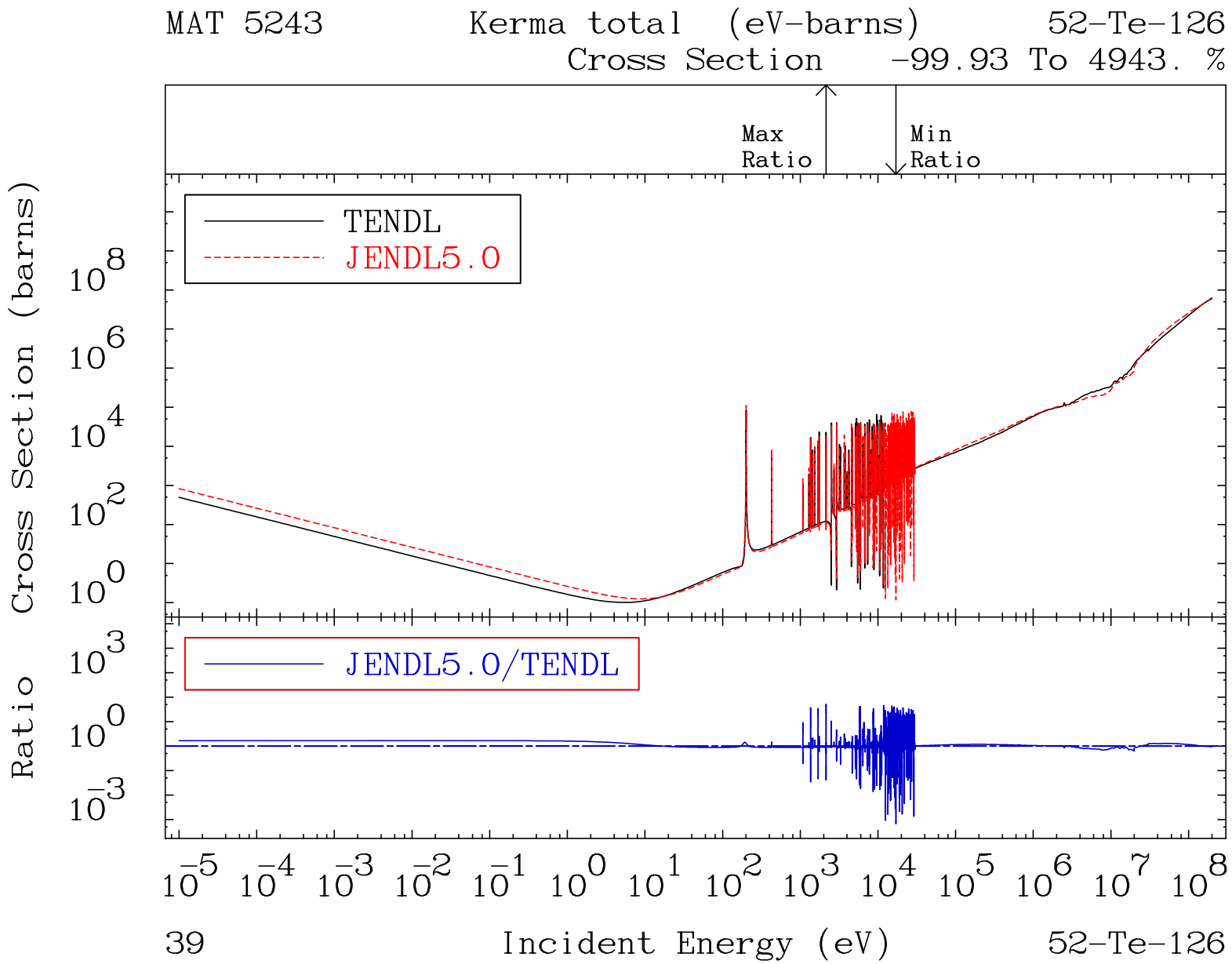

MAT 5243
Hydrogen Production
52-Te-126
Cross Section
-60.02 To 9999. %
Min
Ratio
TENDL Threshold 2.9118 MeV
JENDL5.0 Threshold 2.9069 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
10^8
10^4
10^0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
52-Te-126

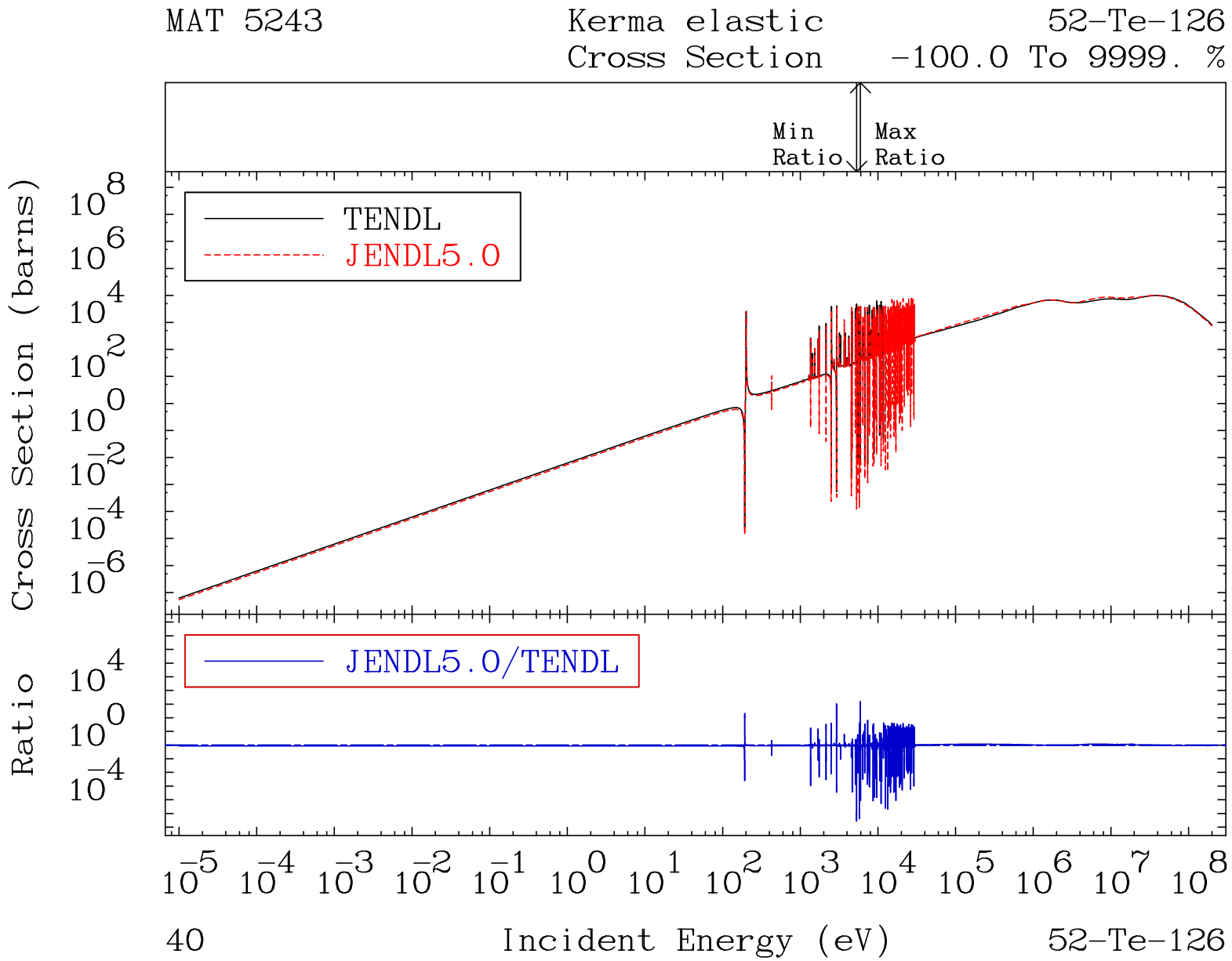

MAT 5243
Deuterium Production
52-Te-126
Cross Section
-100.0 To 5730. %
Max
Ratio
TENDL Threshold 6.9285 MeV
JENDL5.0 Threshold 6.9285 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
80
40
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
35
Incident Energy (eV)
52-Te-126

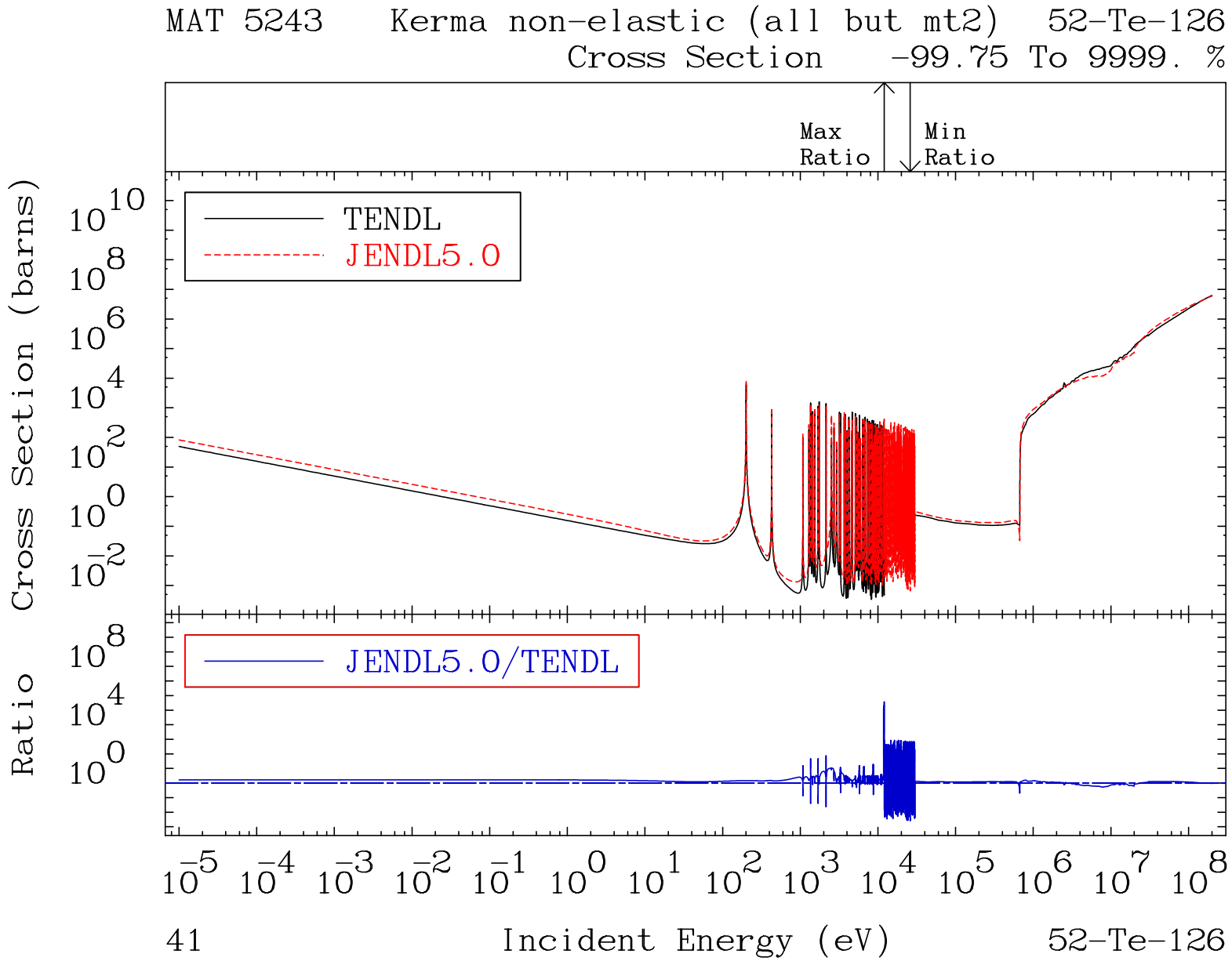

MAT 5243
Tritium Production
52-Te-126
Cross Section
-67.89 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.3983 MeV
JENDL5.0 Threshold 9.3983 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^6
10^3
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
36
Incident Energy (eV)
52-Te-126

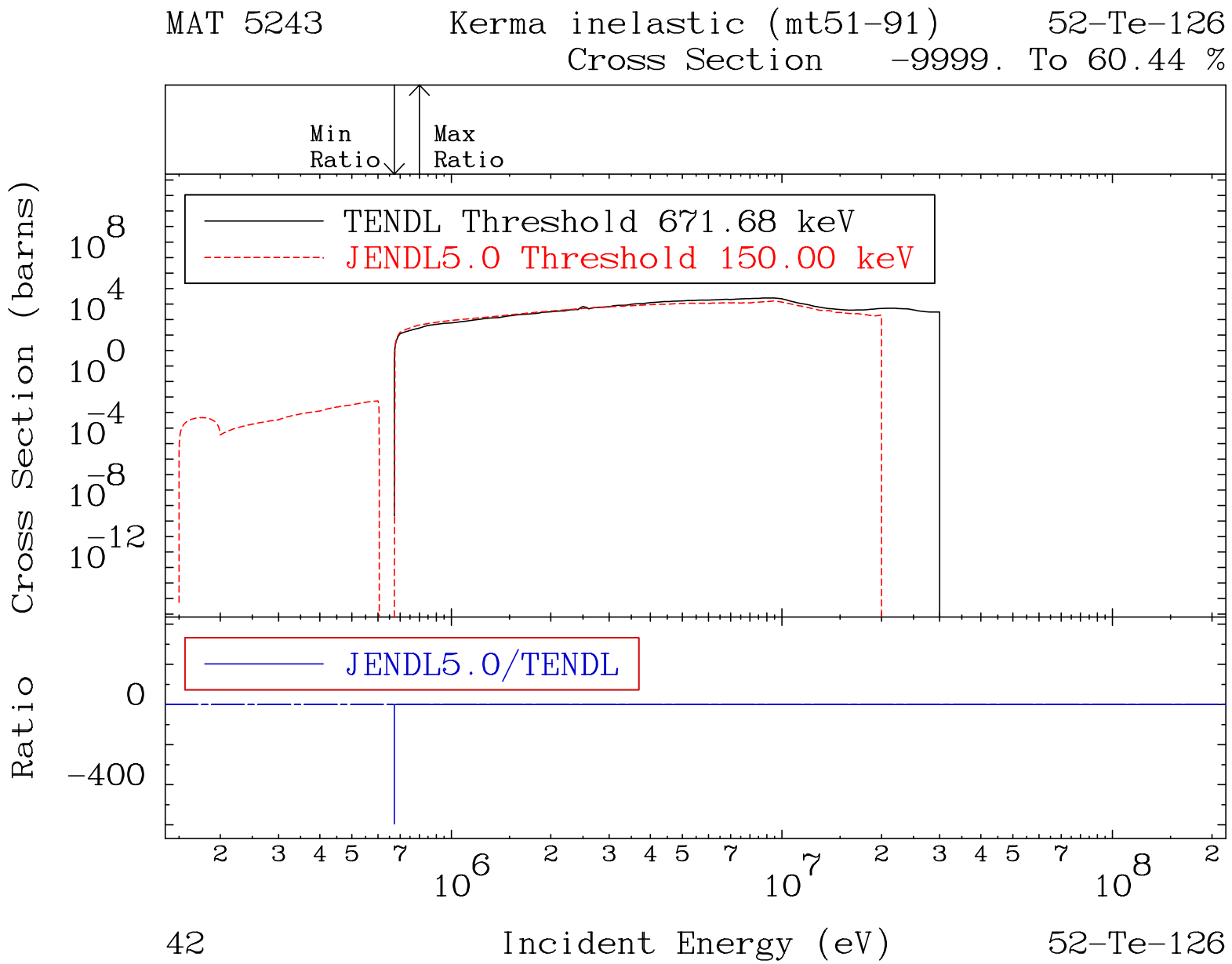

MAT 5243
He-3 Production
Cross Section
52-Te-126
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 8.7622 MeV
JENDL5.0 Threshold 8.7573 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
10^5
10^0
10^-5
9
10^7
2
3
4
5
6
7
8
9
10^8
2
37
Incident Energy (eV)
52-Te-126

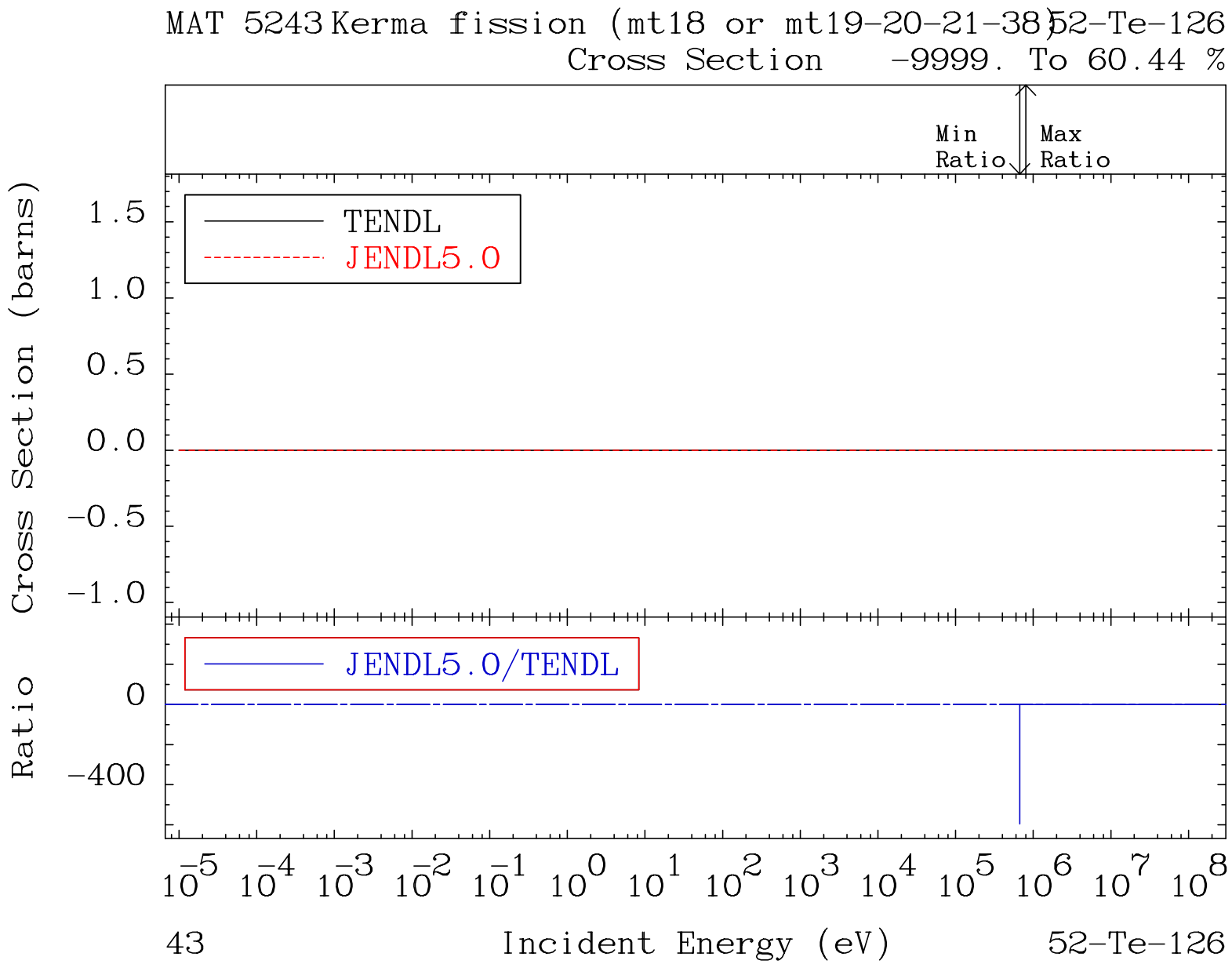

MAT 5243
He-4 Production
Cross Section
52-Te-126
-70.21 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
52-Te-126

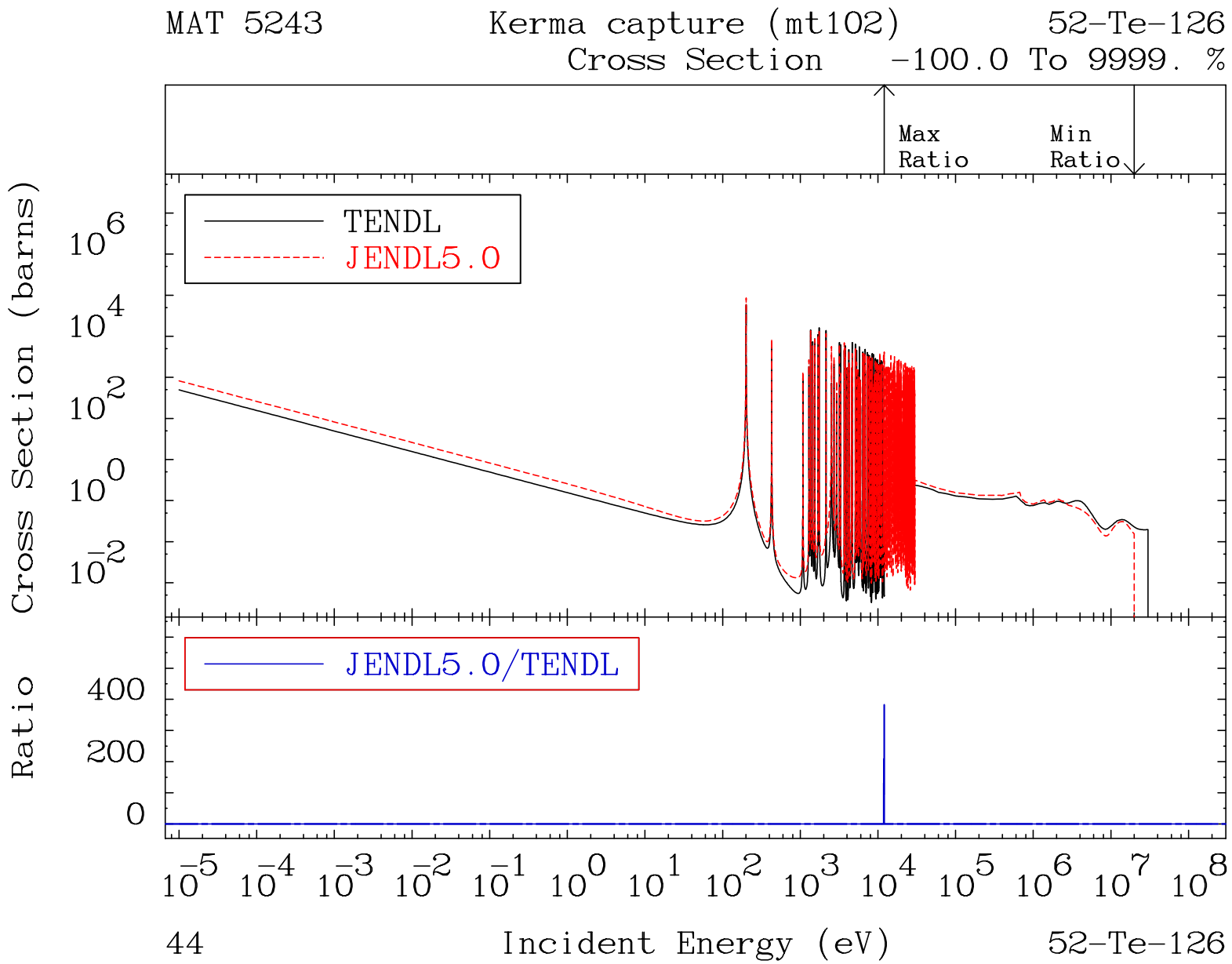

MAT 5243
Kerma total (eV-barns)
52-Te-126
Cross Section -99.93 To 4943. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
52-Te-126

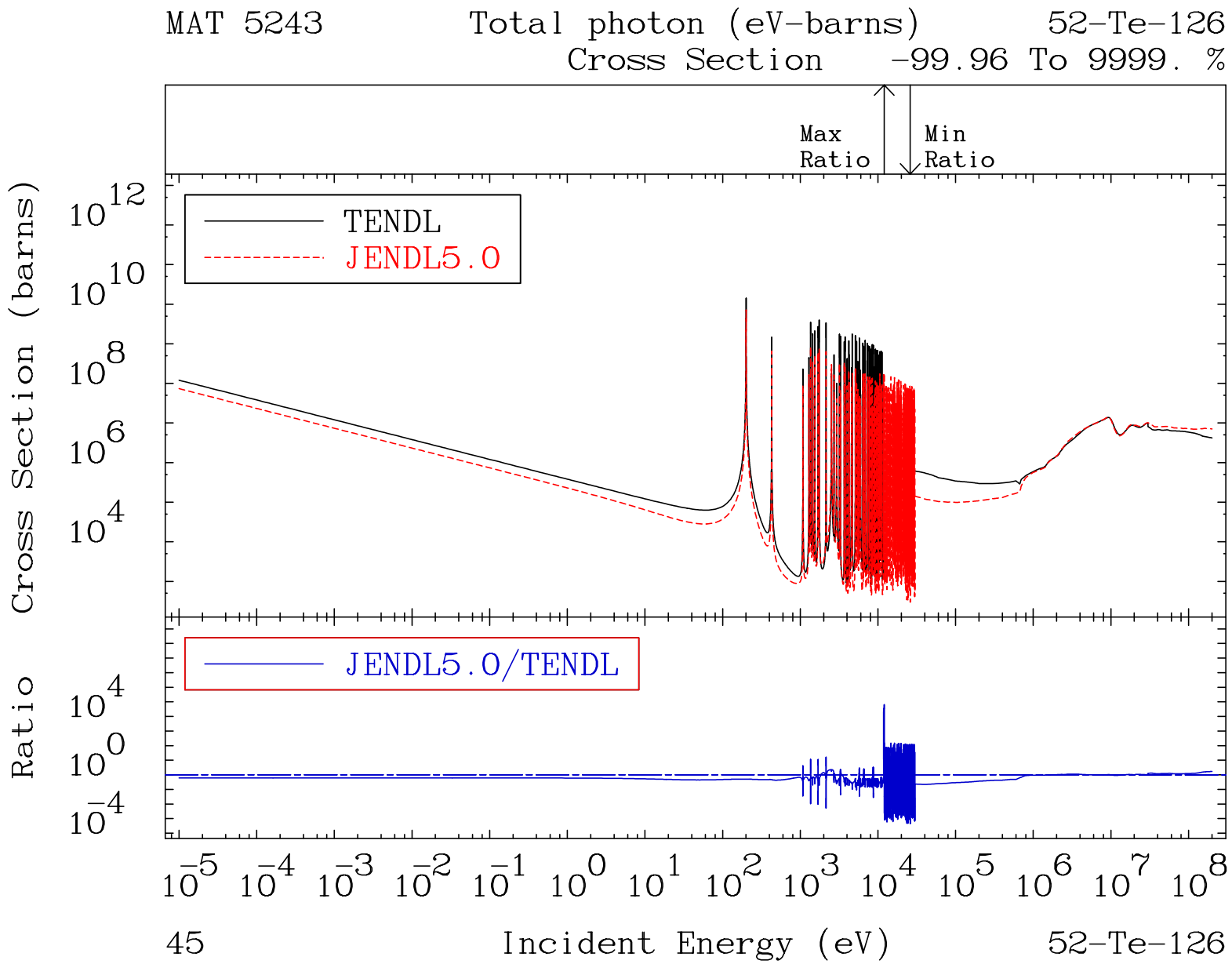

MAT 5243
Kerma elastic
Cross Section
52-Te-126
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
40
52-Te-126

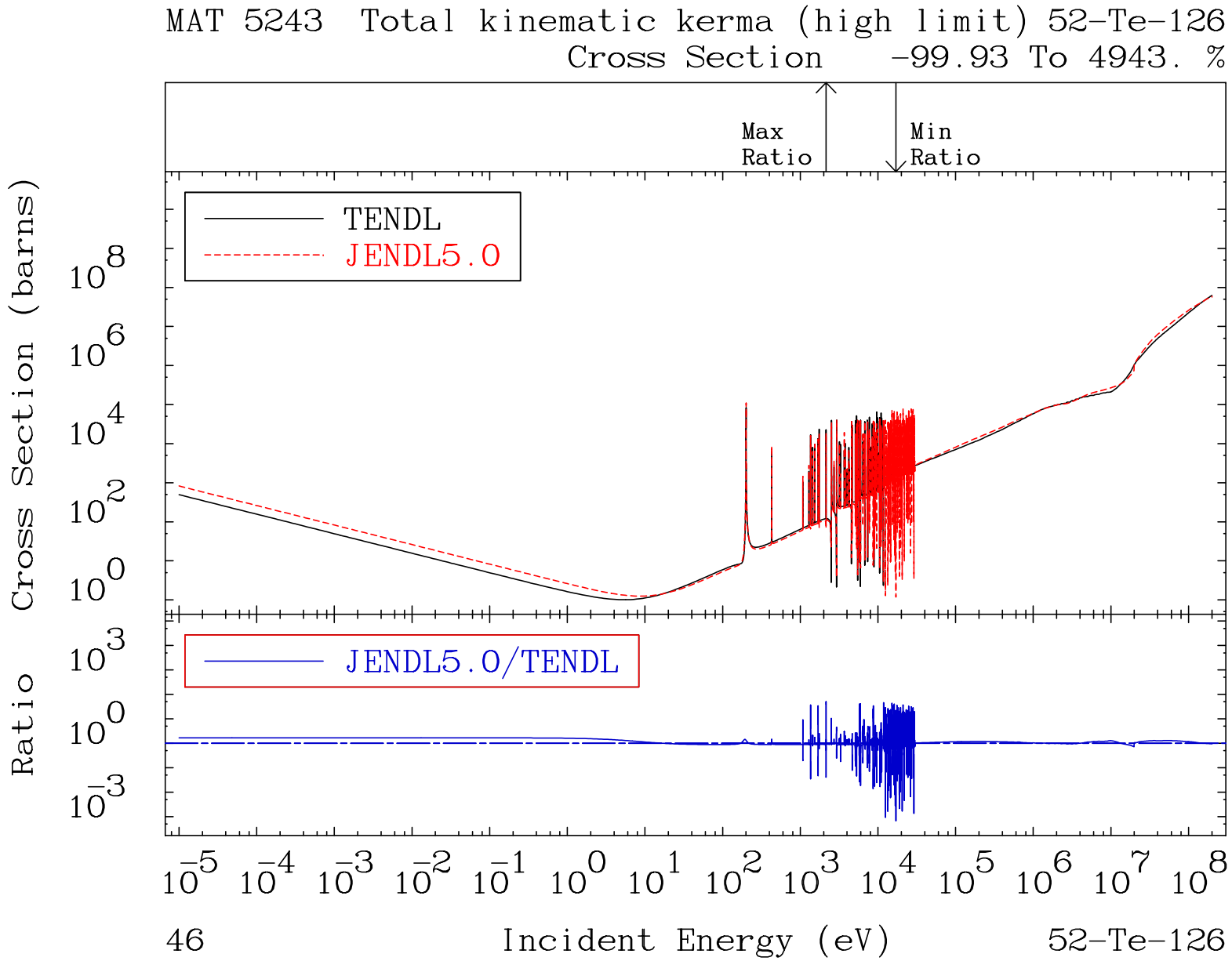

MAT 5243 Kerma non-elastic (all but mt2) 52-Te-126
Cross Section -99.75 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
52-Te-126

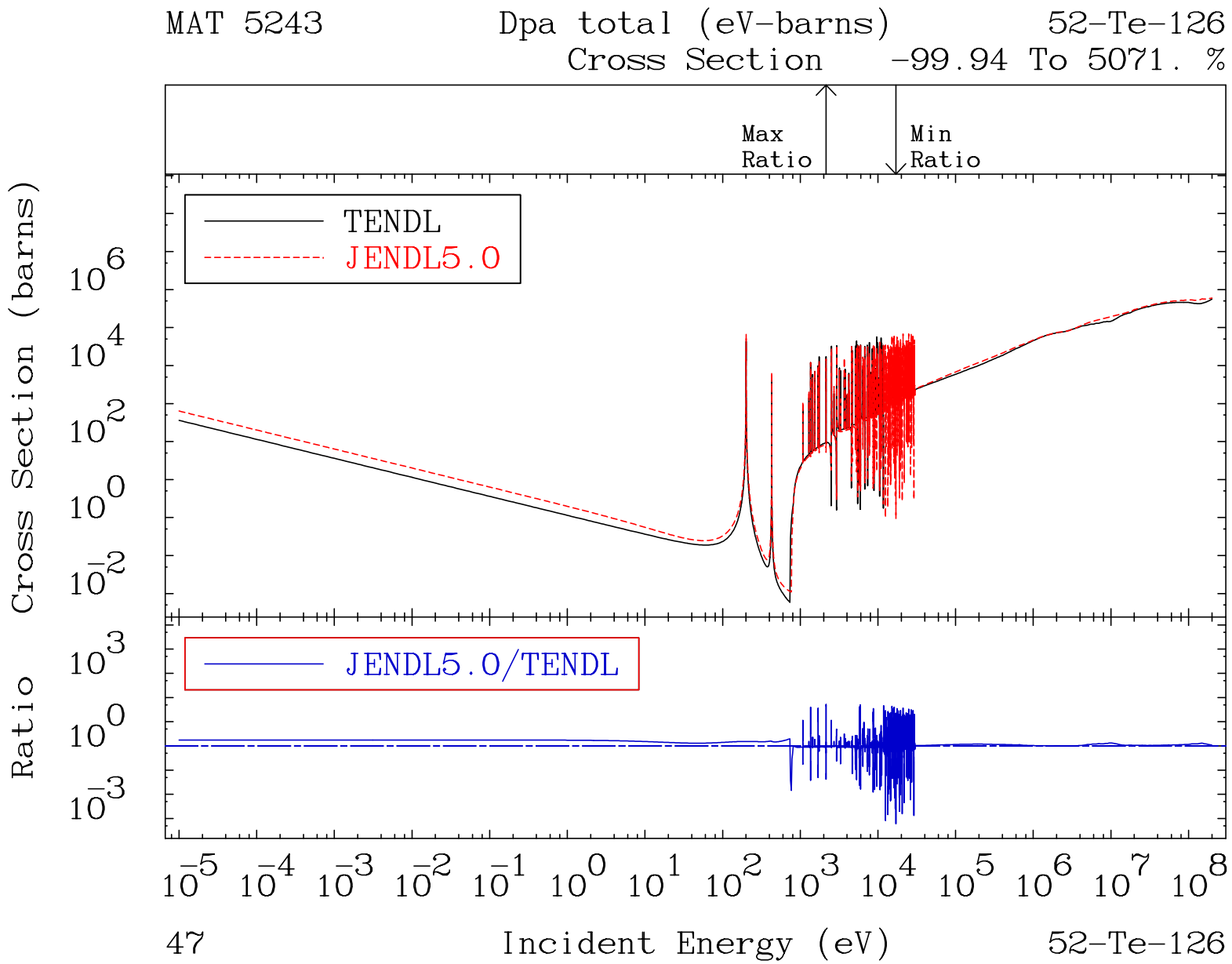

MAT 5243
Kerma inelastic (mt51-91)
52-Te-126
Cross Section -9999. To 60.44 %
Min Ratio
Max Ratio
TENDL Threshold 671.68 keV
JENDL5.0 Threshold 150.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
42
52-Te-126

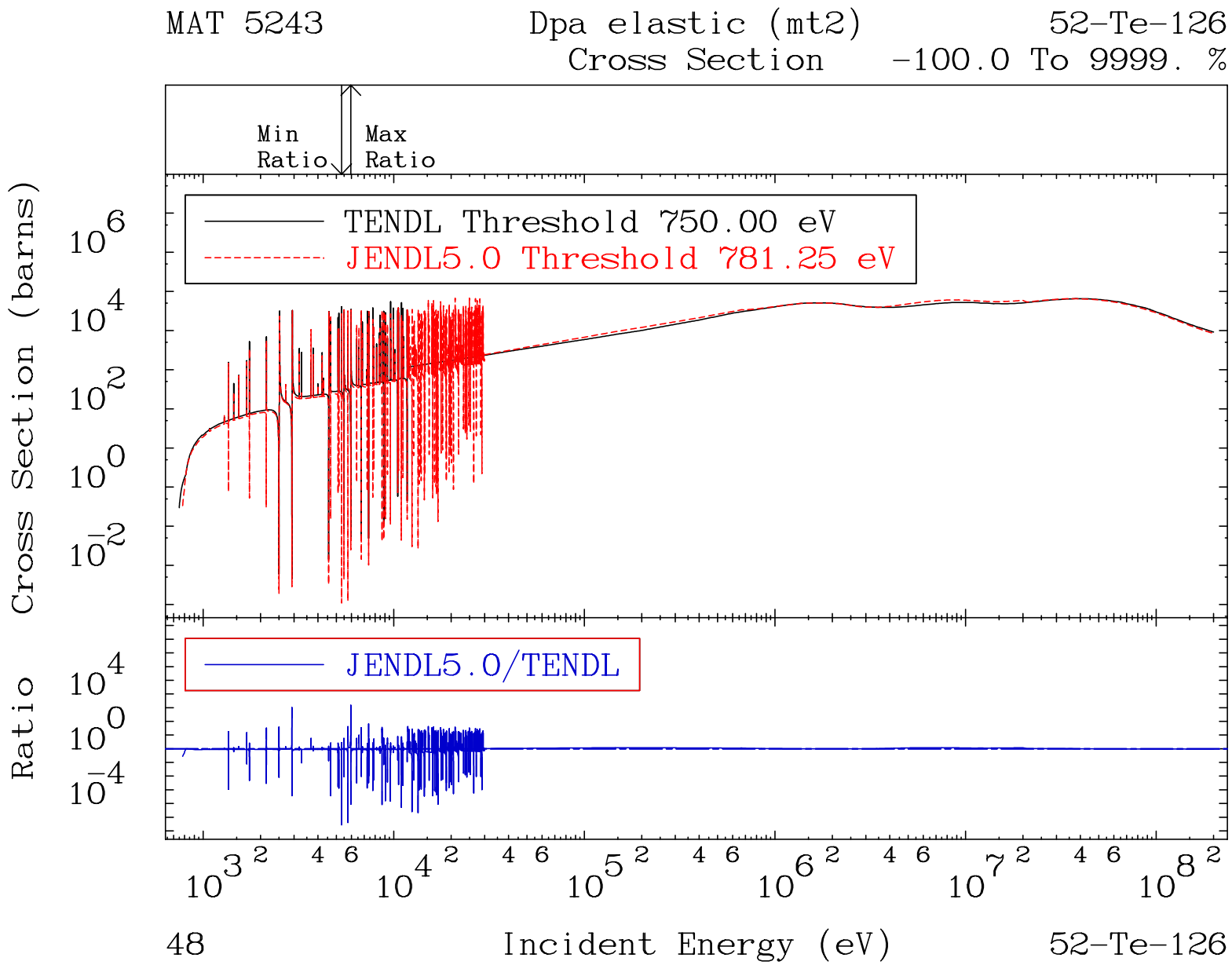

MAT 5243 Kerma fission (mt18 or mt19-20-21-38) 52-Te-126
Cross Section -9999. To 60.44 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
0
-400
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
43
Incident Energy (eV)
52-Te-126

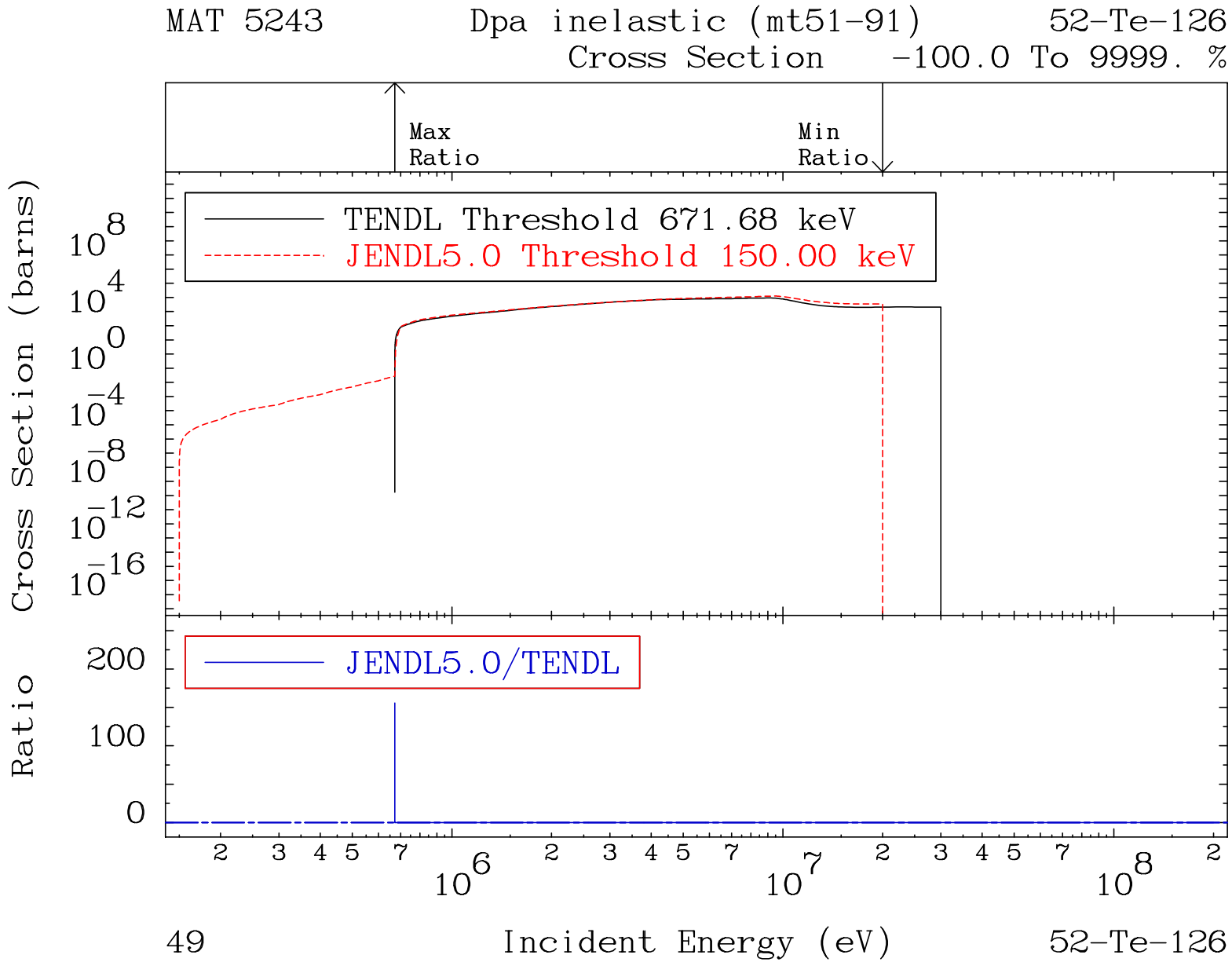

MAT 5243
Kerma capture (mt102)
52-Te-126
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
44
52-Te-126

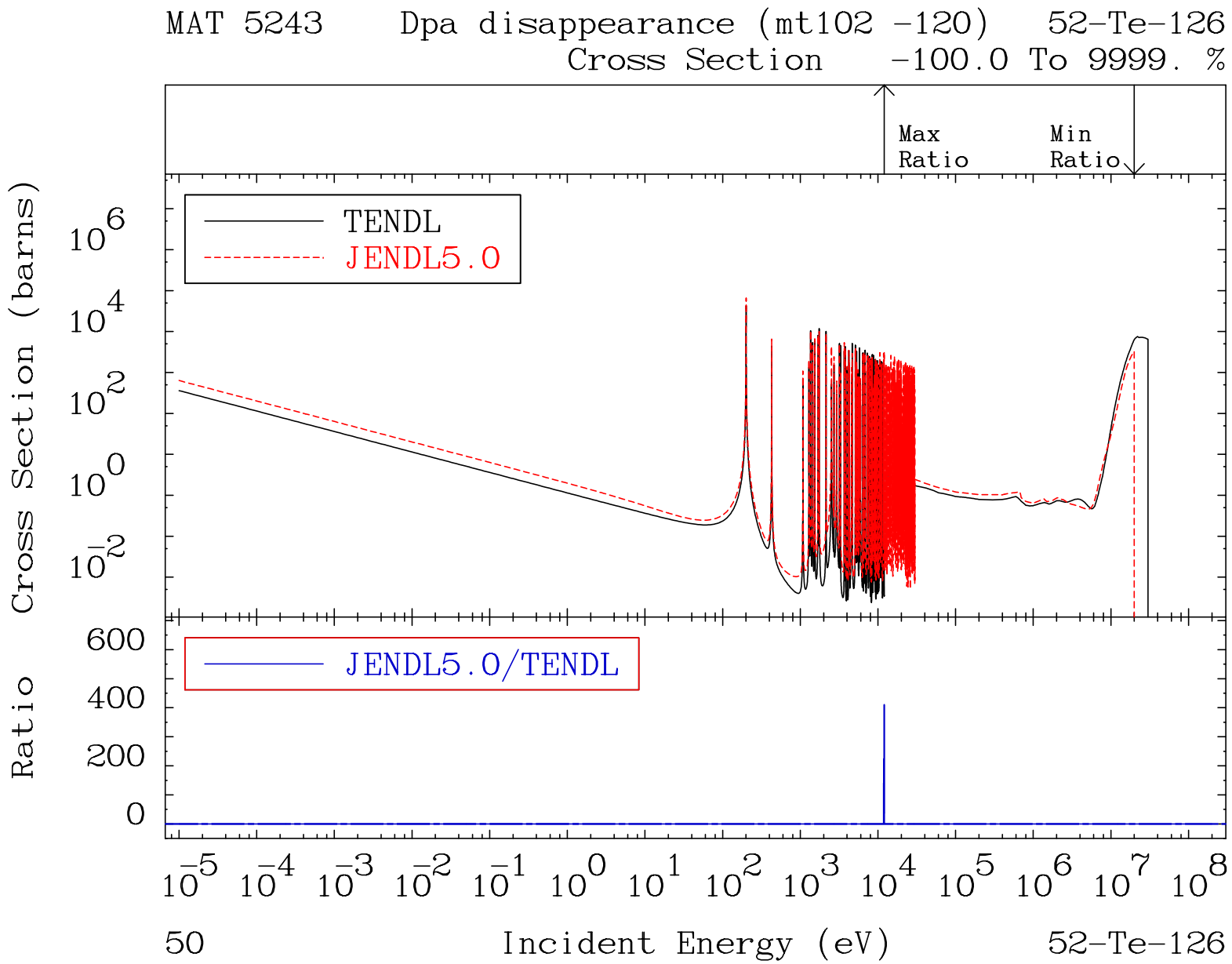

MAT 5243
Total photon (eV-barns)
52-Te-126
Cross Section -99.96 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
45
52-Te-126

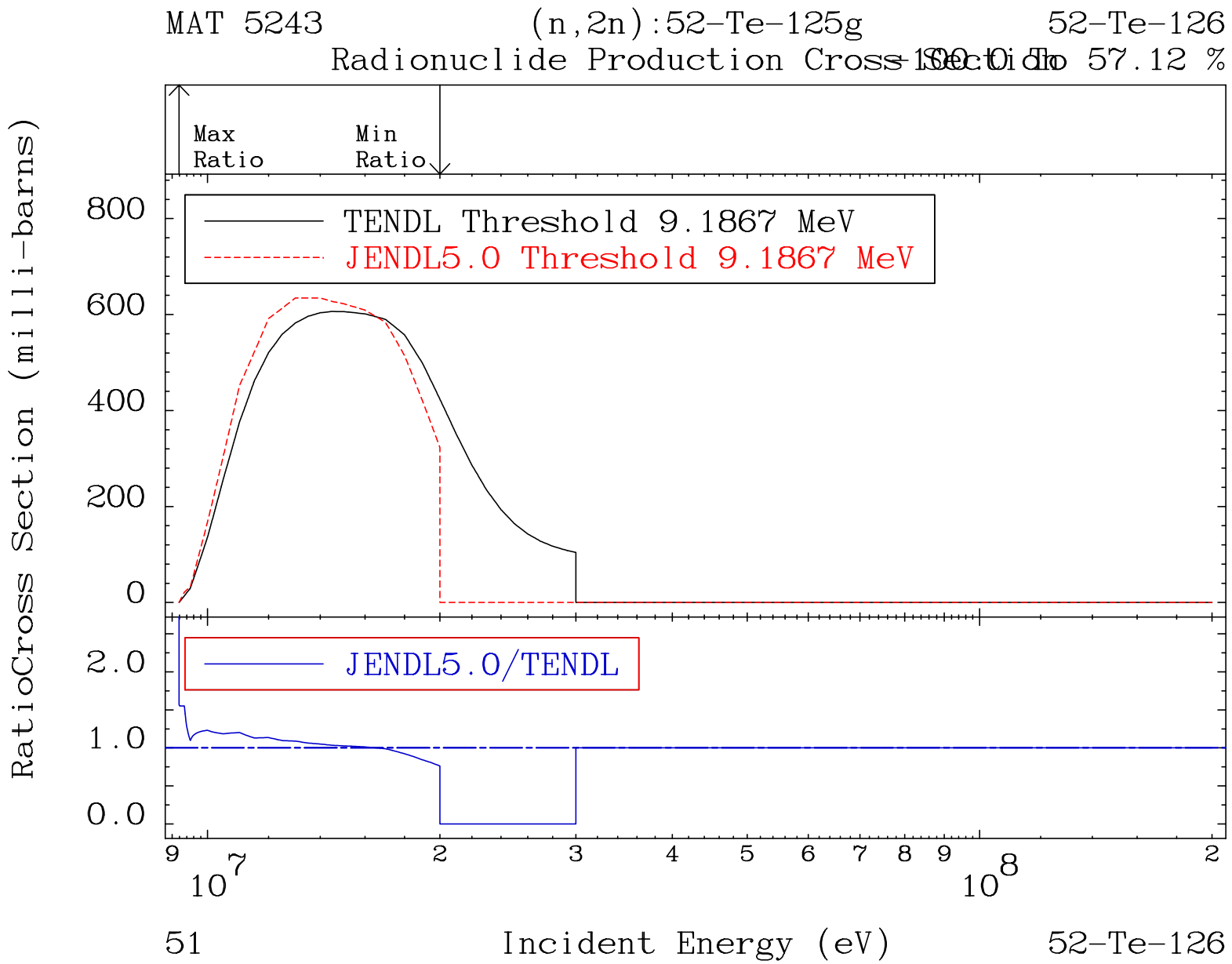

MAT 5243 Total kinematic kerma (high limit) 52-Te-126
Cross Section -99.93 To 4943. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
52-Te-126

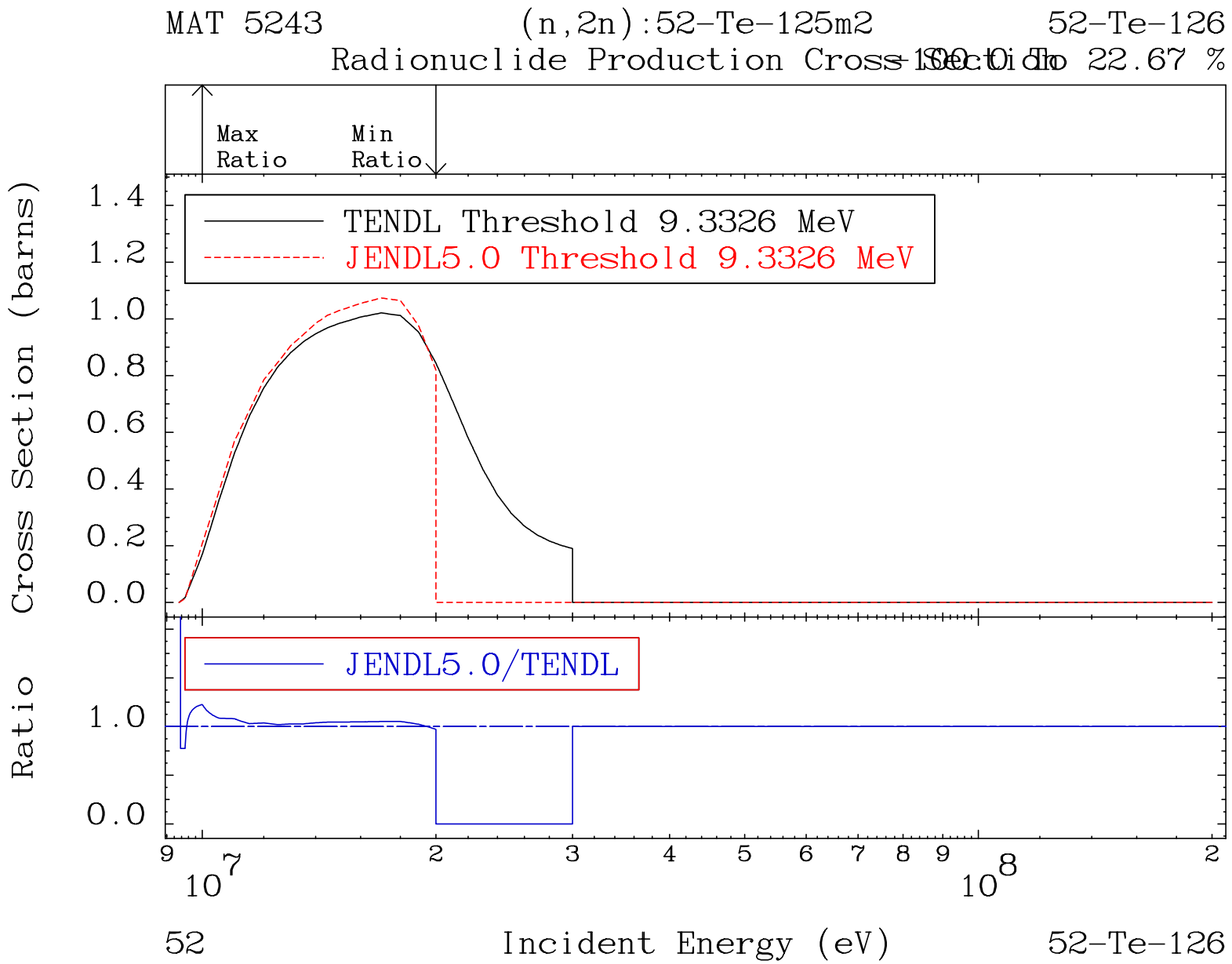

MAT 5243
Dpa total (eV-barns)
52-Te-126
Cross Section
-99.94 To 5071. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
52-Te-126

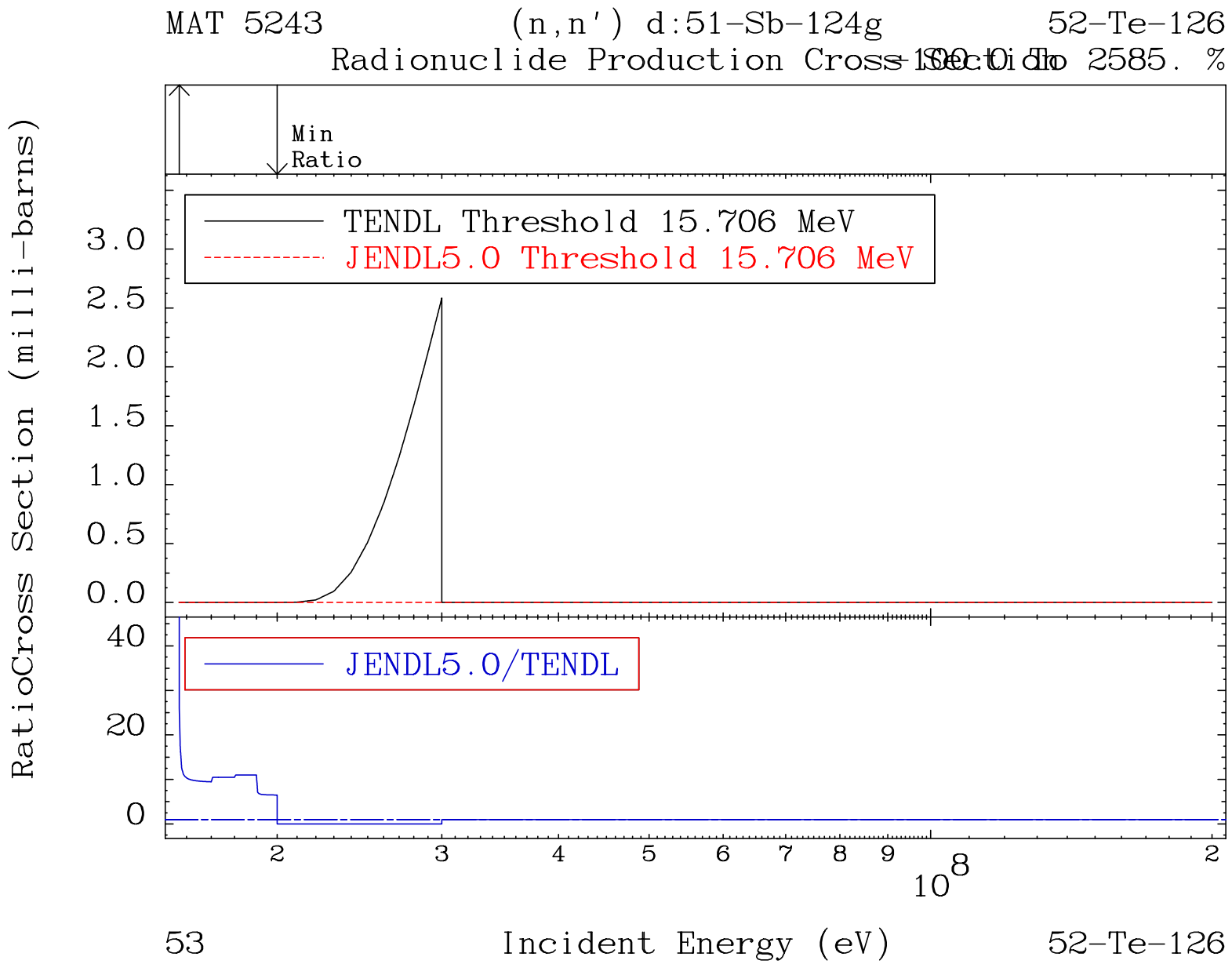

MAT 5243
Dpa elastic (mt2)
Cross Section
52-Te-126
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 750.00 eV
JENDL5.0 Threshold 781.25 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
52-Te-126

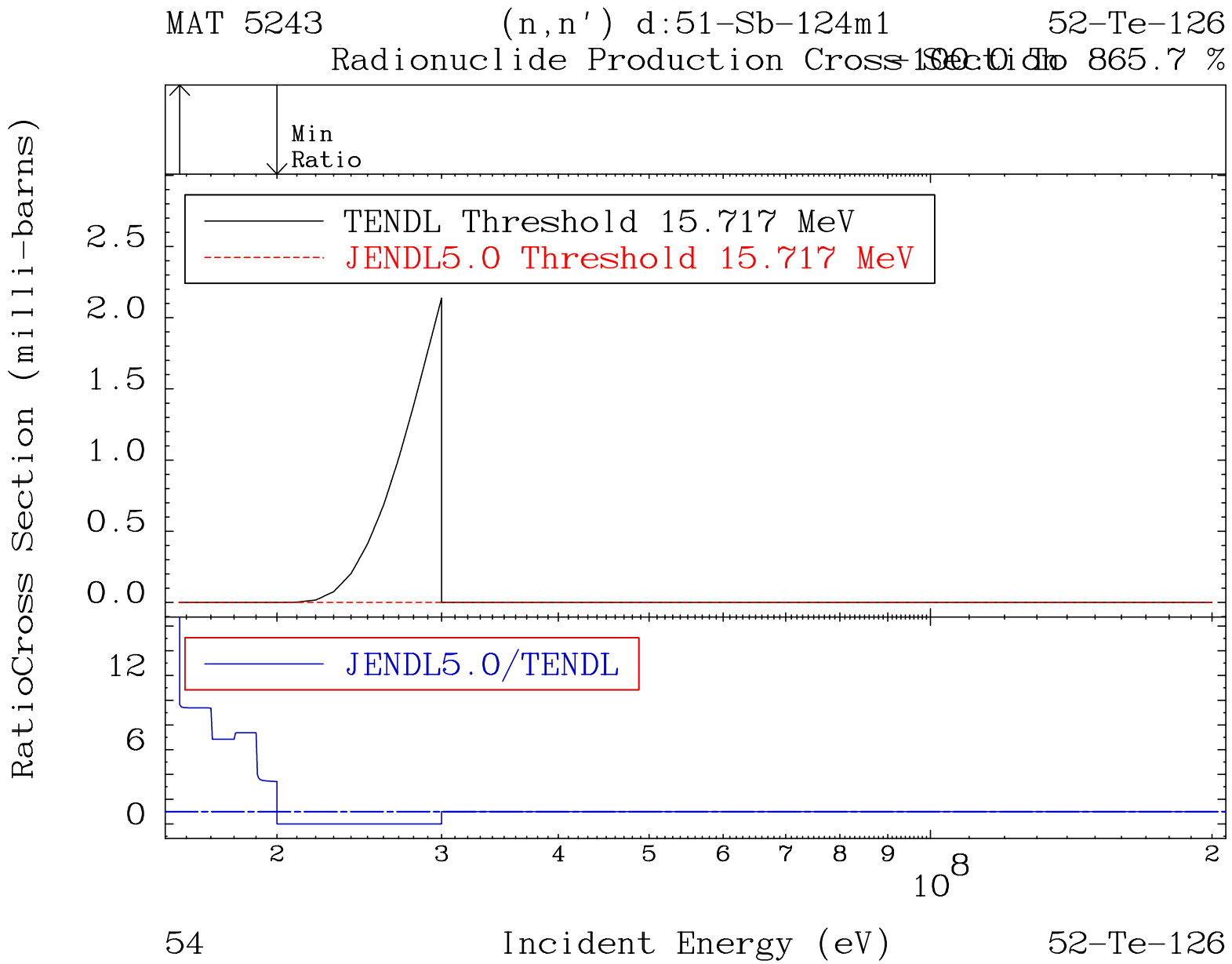

MAT 5243
Dpa inelastic (mt51-91)
52-Te-126
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 671.68 keV
JENDL5.0 Threshold 150.00 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
49
52-Te-126

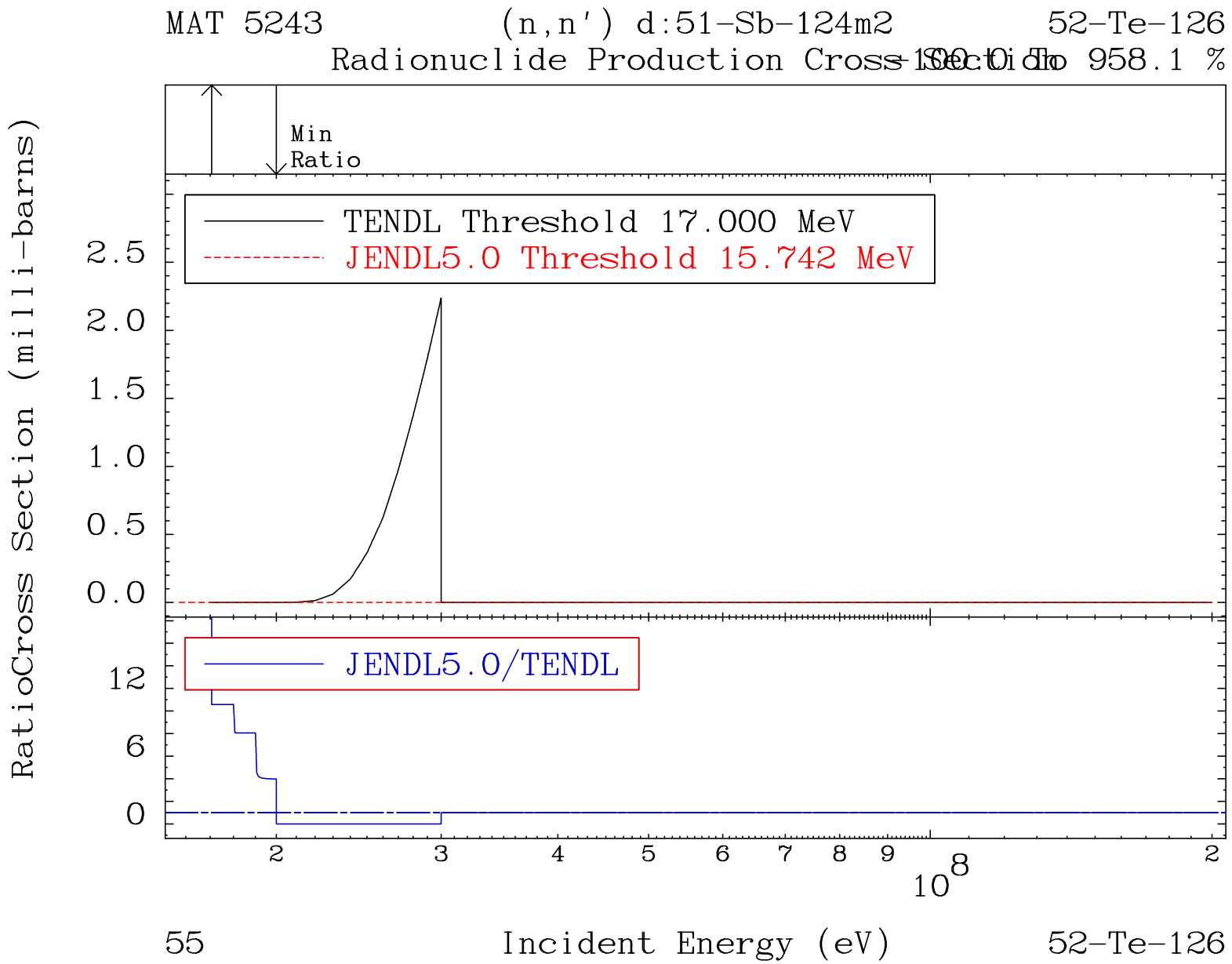

MAT 5243 Dpa disappearance (mt102 -120) 52-Te-126
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
50
52-Te-126

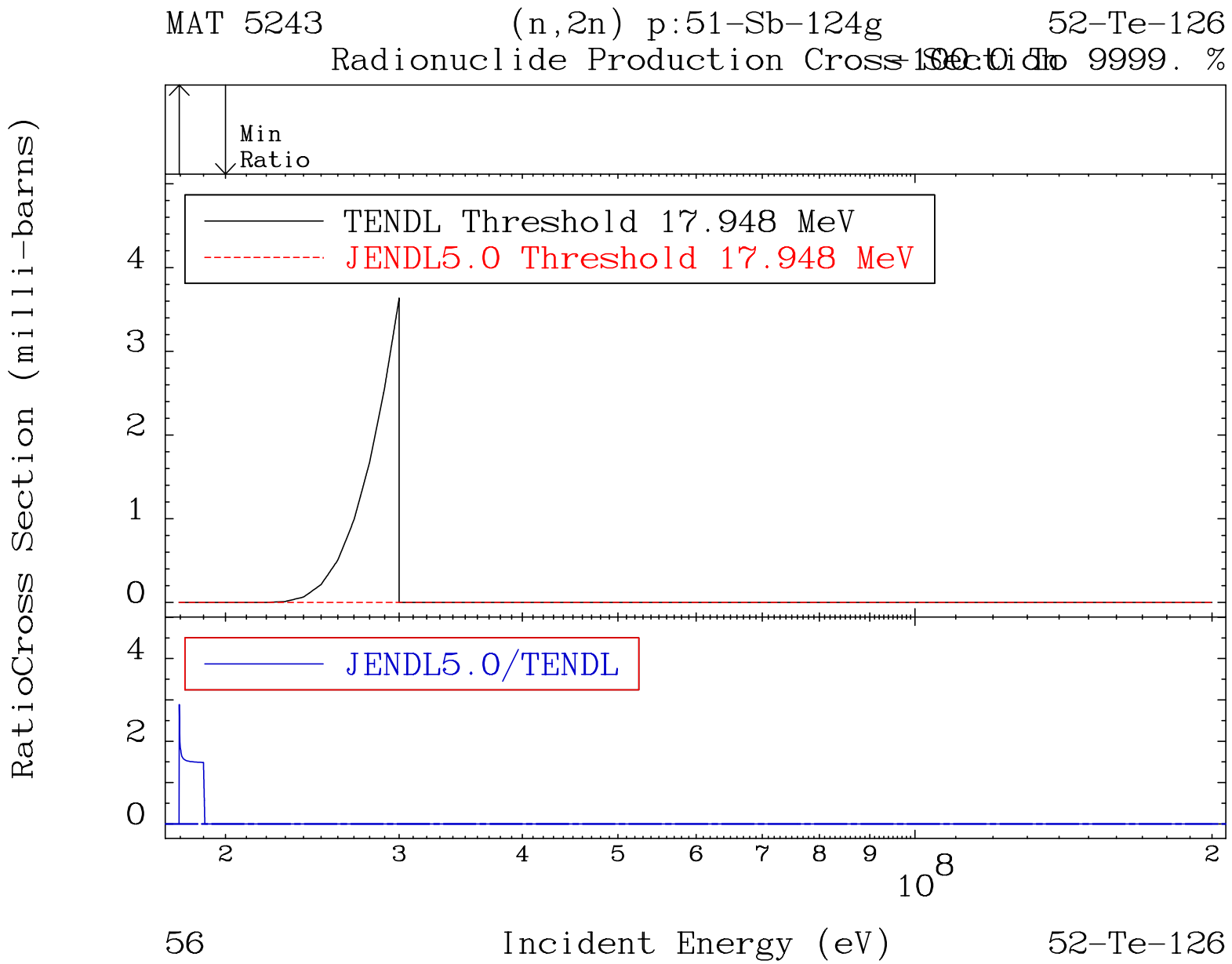

MAT 5243
(n,2n):52-Te-125g
52-Te-126
Radionuclide Production Cross Section
Max Ratio = 100.0 Min Ratio = 57.12 %
Max Ratio
Min Ratio
TENDL Threshold 9.1867 MeV
JENDL5.0 Threshold 9.1867 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
51
Incident Energy (eV)
52-Te-126

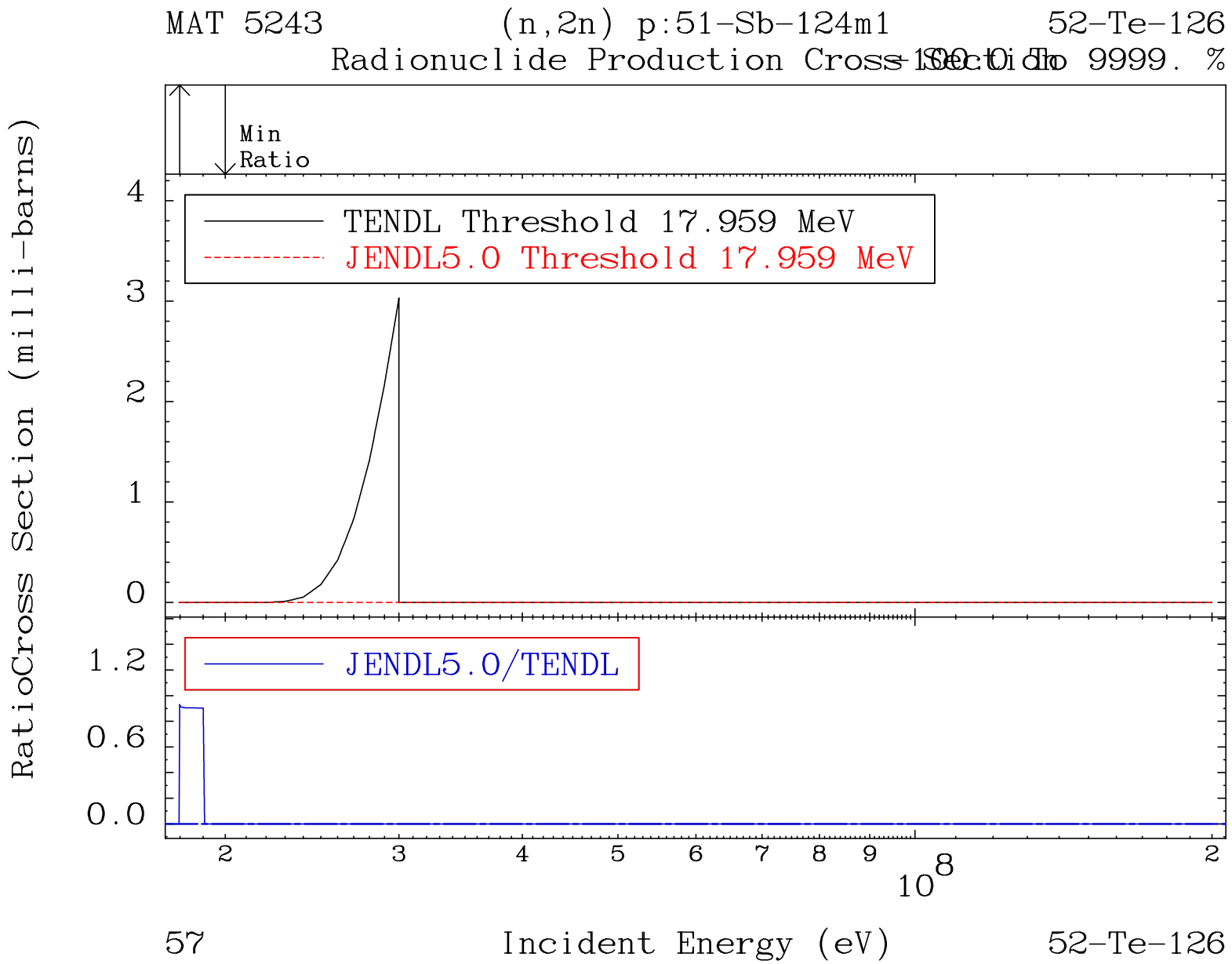

MAT 5243
(n,2n):52-Te-125m2
52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 9.3326 MeV
JENDL5.0 Threshold 9.3326 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
52-Te-126

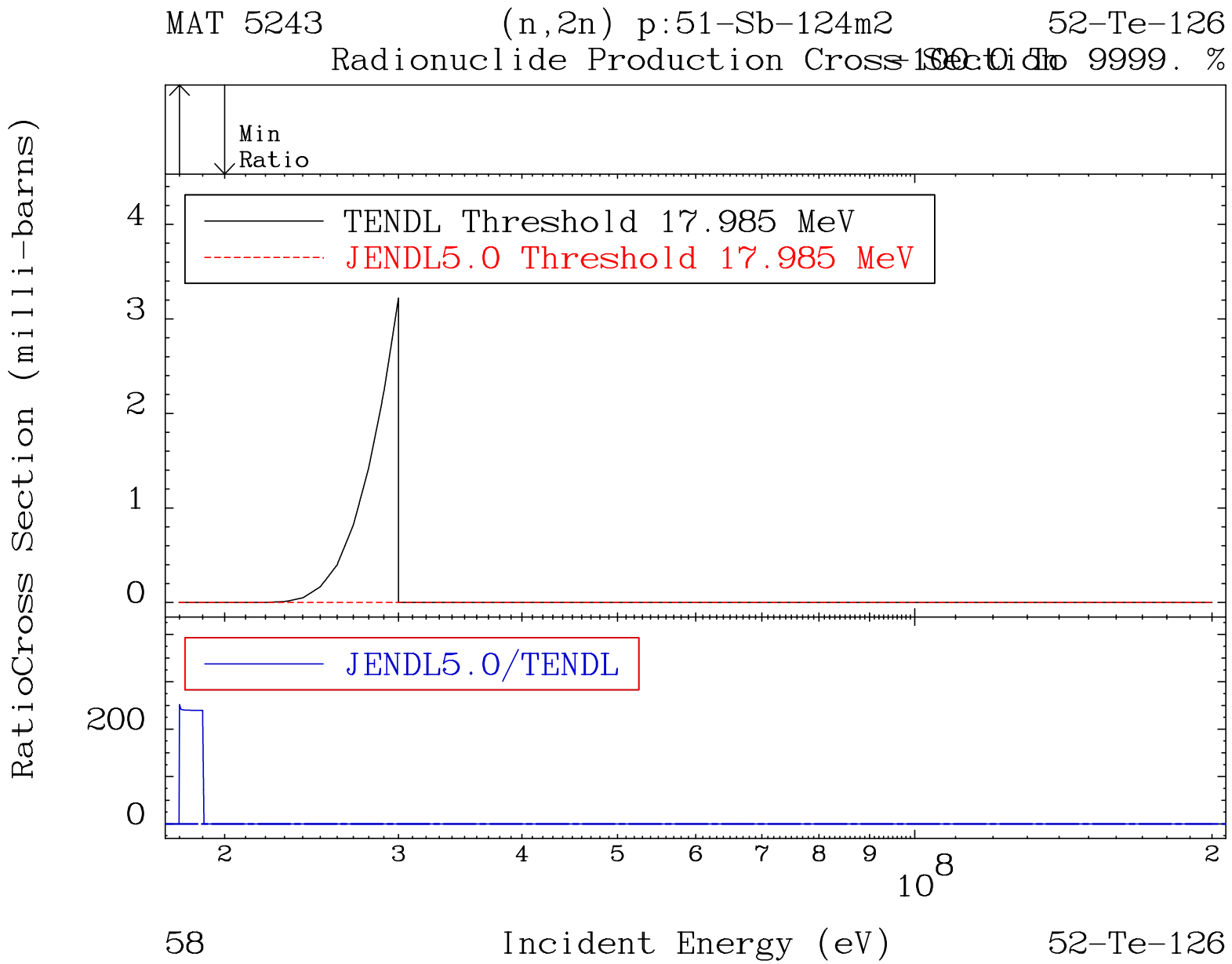

MAT 5243
(n,n') d:51-Sb-124g
52-Te-126
Radionuclide Production Cross Section To 2585. %
Min
Ratio
TENDL Threshold 15.706 MeV
JENDL5.0 Threshold 15.706 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
40
20
0
2
3
4
5
6
7
8
9
10^8
2
53
Incident Energy (eV)
52-Te-126

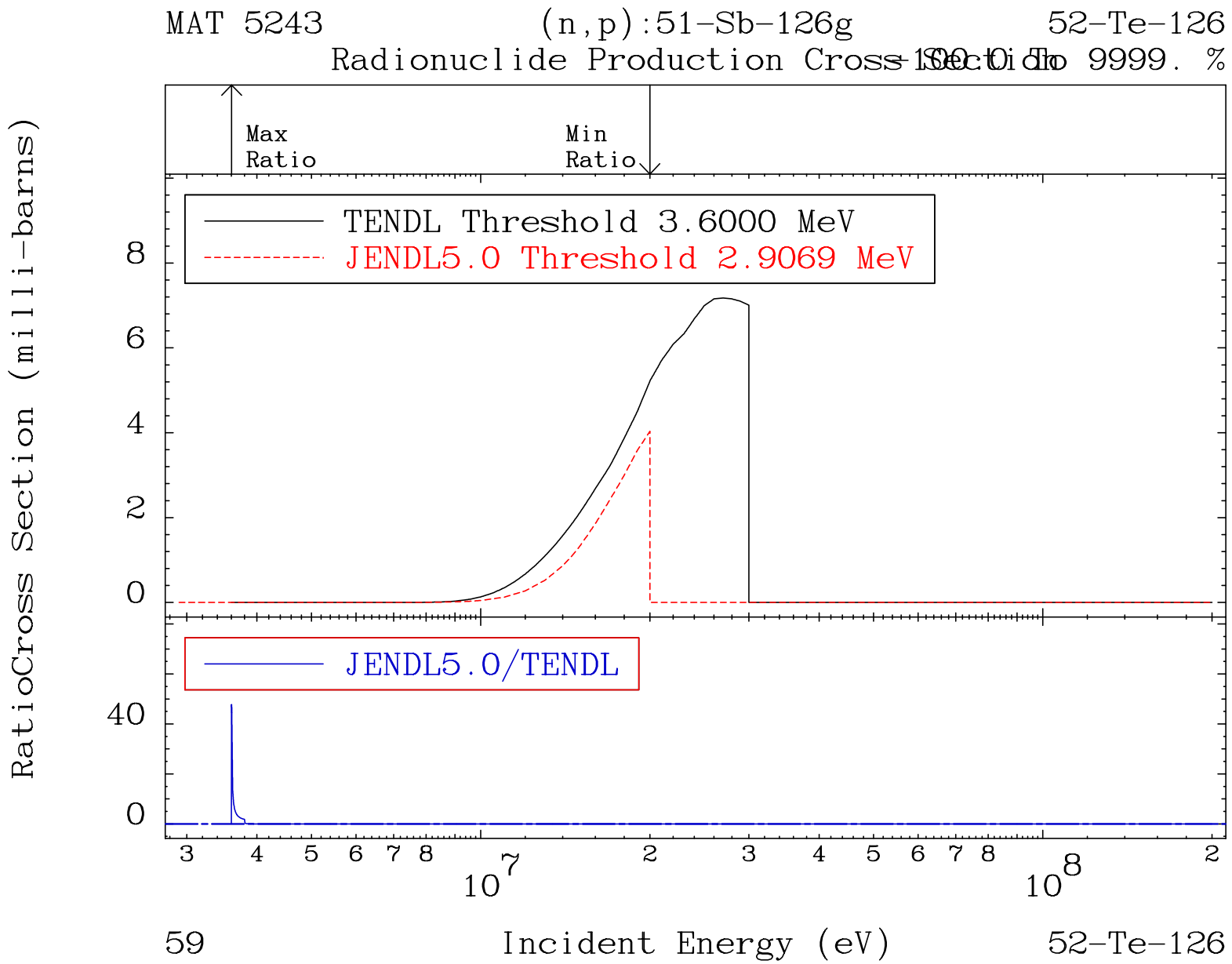

MAT 5243 (n,n') d:51-Sb-124m1 52-Te-126
Radionuclide Production Cross Section To 865.7 %
Min
Ratio
TENDL Threshold 15.717 MeV
JENDL5.0 Threshold 15.717 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
54
Incident Energy (eV)
52-Te-126

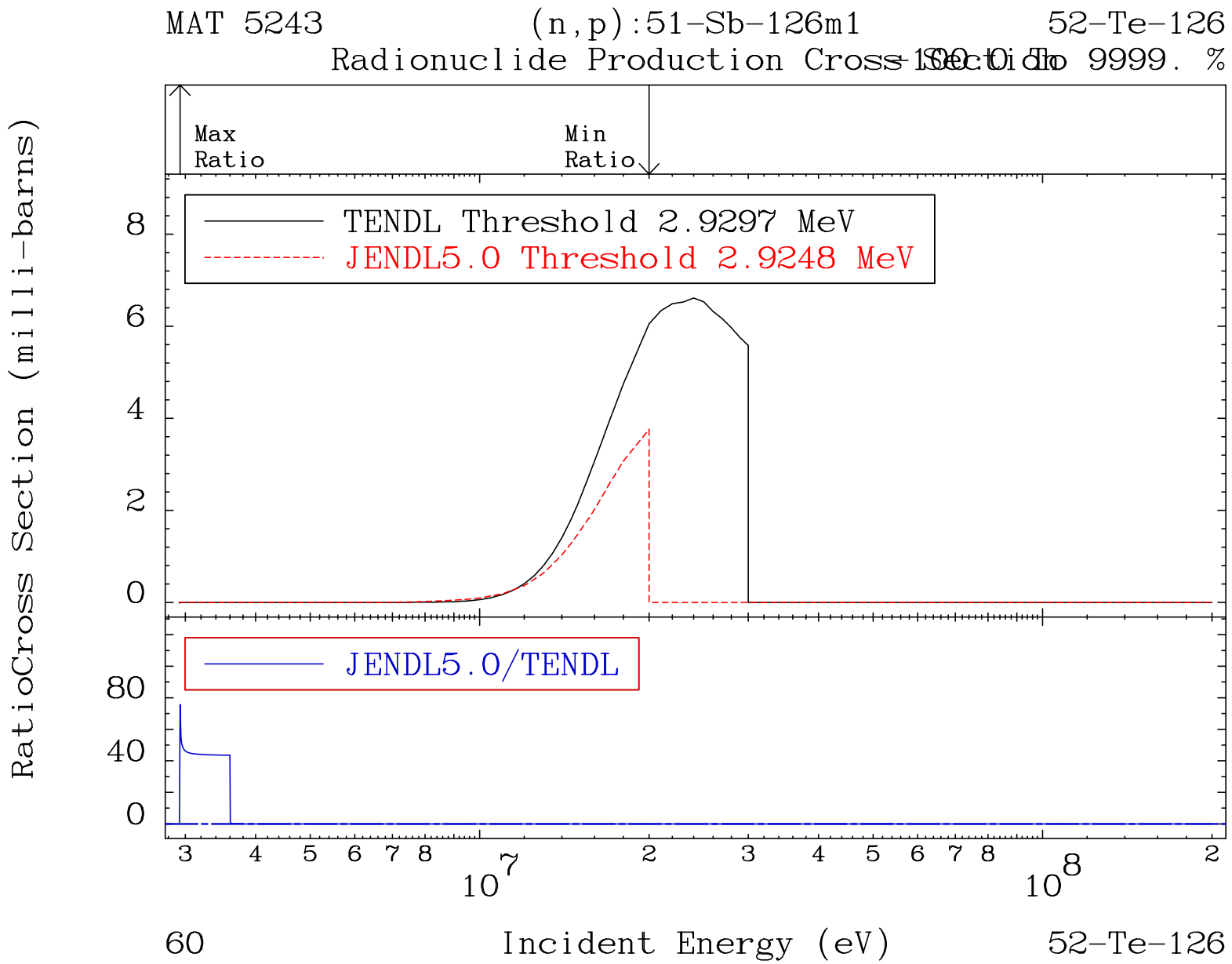

MAT 5243 (n,n') d:51-Sb-124m2 52-Te-126
Radionuclide Production Cross Section To 958.1 %
Min
Ratio
TENDL Threshold 17.000 MeV
JENDL5.0 Threshold 15.742 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
55
Incident Energy (eV)
52-Te-126

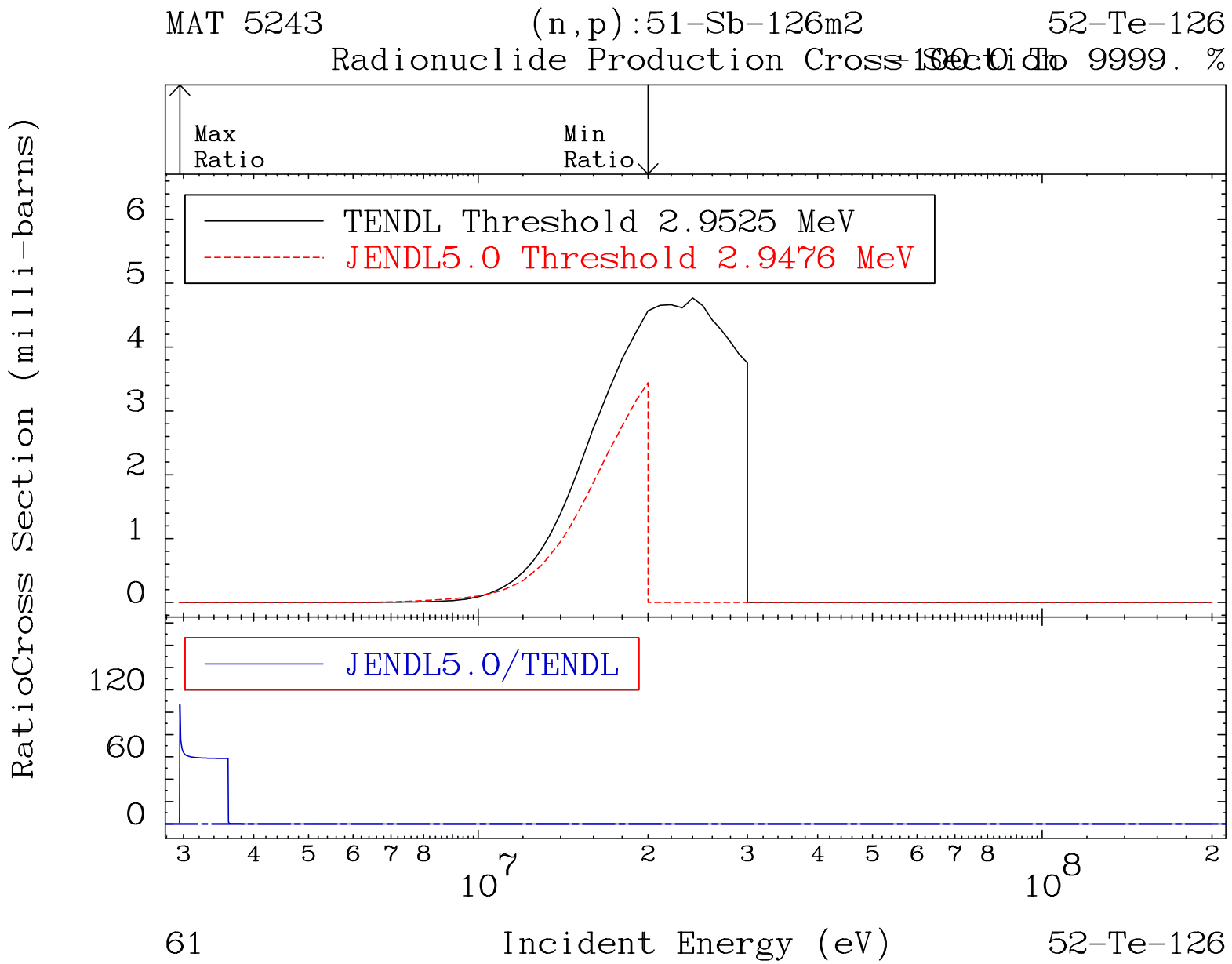

MAT 5243 (n,2n) p:51-Sb-124g 52-Te-126
Radionuclide Production Cross Section To 9999. %
Min
Ratio
TENDL Threshold 17.948 MeV
JENDL5.0 Threshold 17.948 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
56
52-Te-126

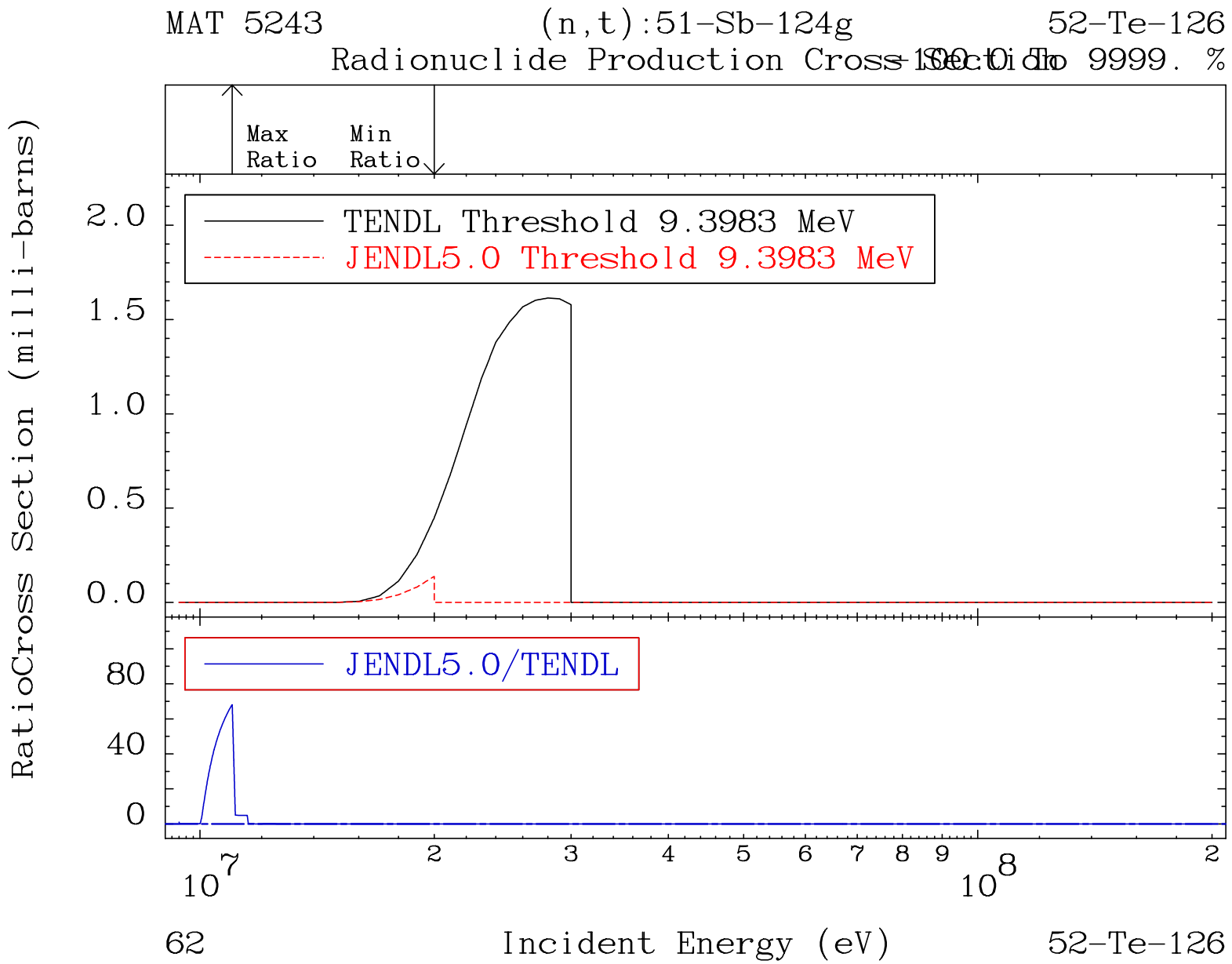

MAT 5243
(n,2n) p:51-Sb-124m1
52-Te-126
Radionuclide Production Cross Section
Min
Ratio
TENDL Threshold 17.959 MeV
JENDL5.0 Threshold 17.959 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
57
52-Te-126

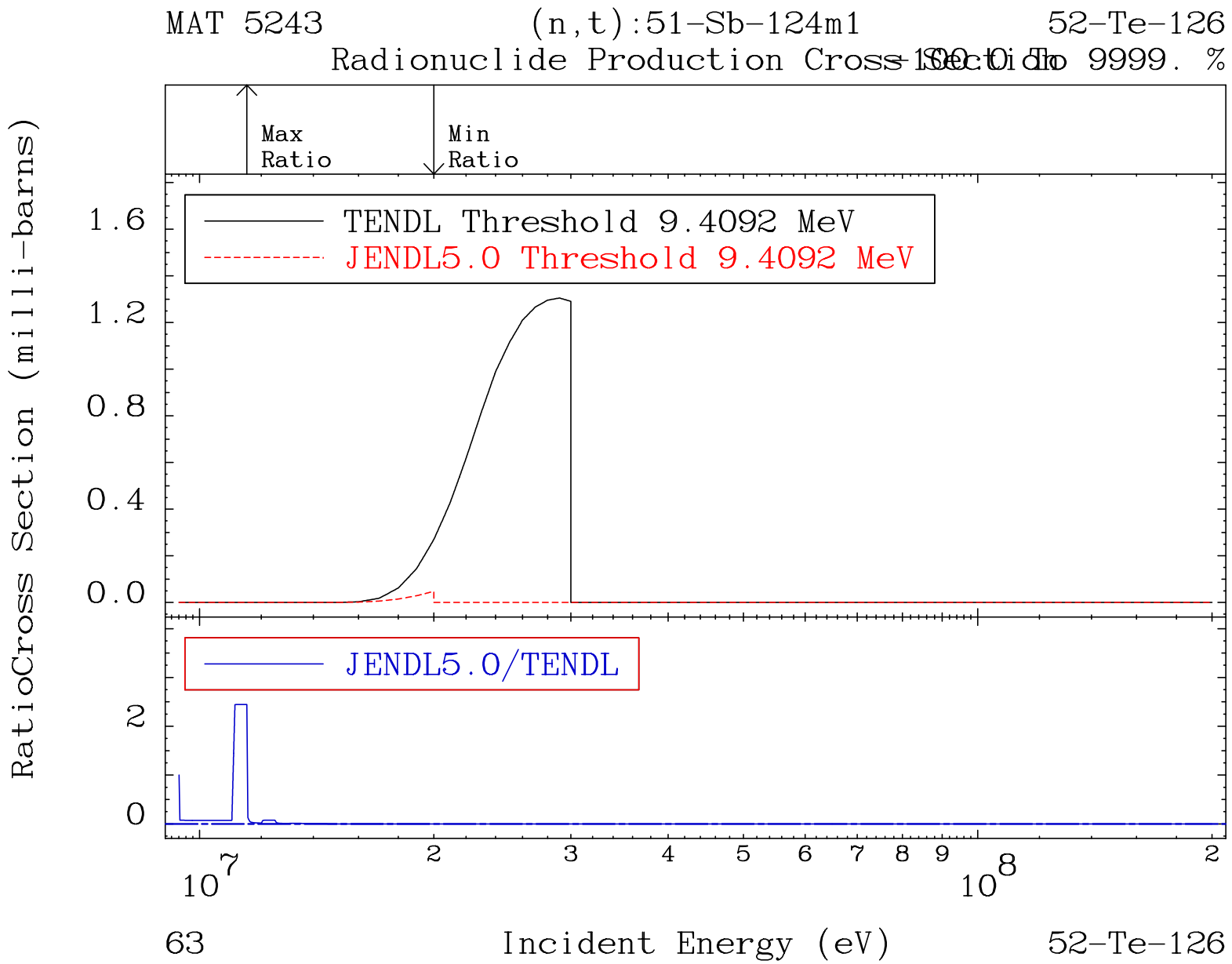

MAT 5243 (n,2n) p:51-Sb-124m2 52-Te-126
Radionuclide Production Cross Section To 9999. %
Min
Ratio
TENDL Threshold 17.985 MeV
JENDL5.0 Threshold 17.985 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
200
0
2
3
4
5
6
7
8
9
10^8
2
58
Incident Energy (eV)
52-Te-126

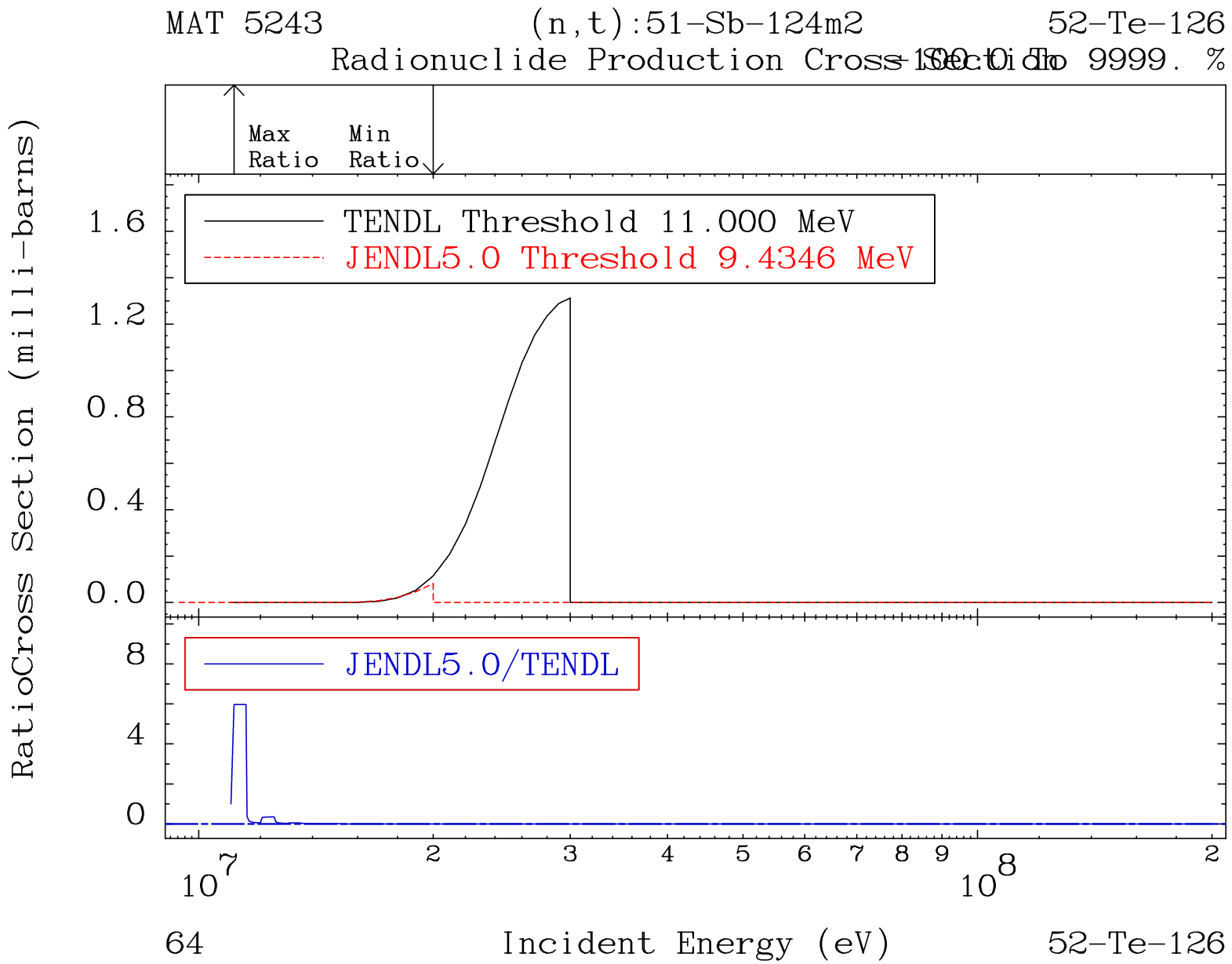

MAT 5243
(n,p):51-Sb-126g
52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 3.6000 MeV
JENDL5.0 Threshold 2.9069 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
59
52-Te-126

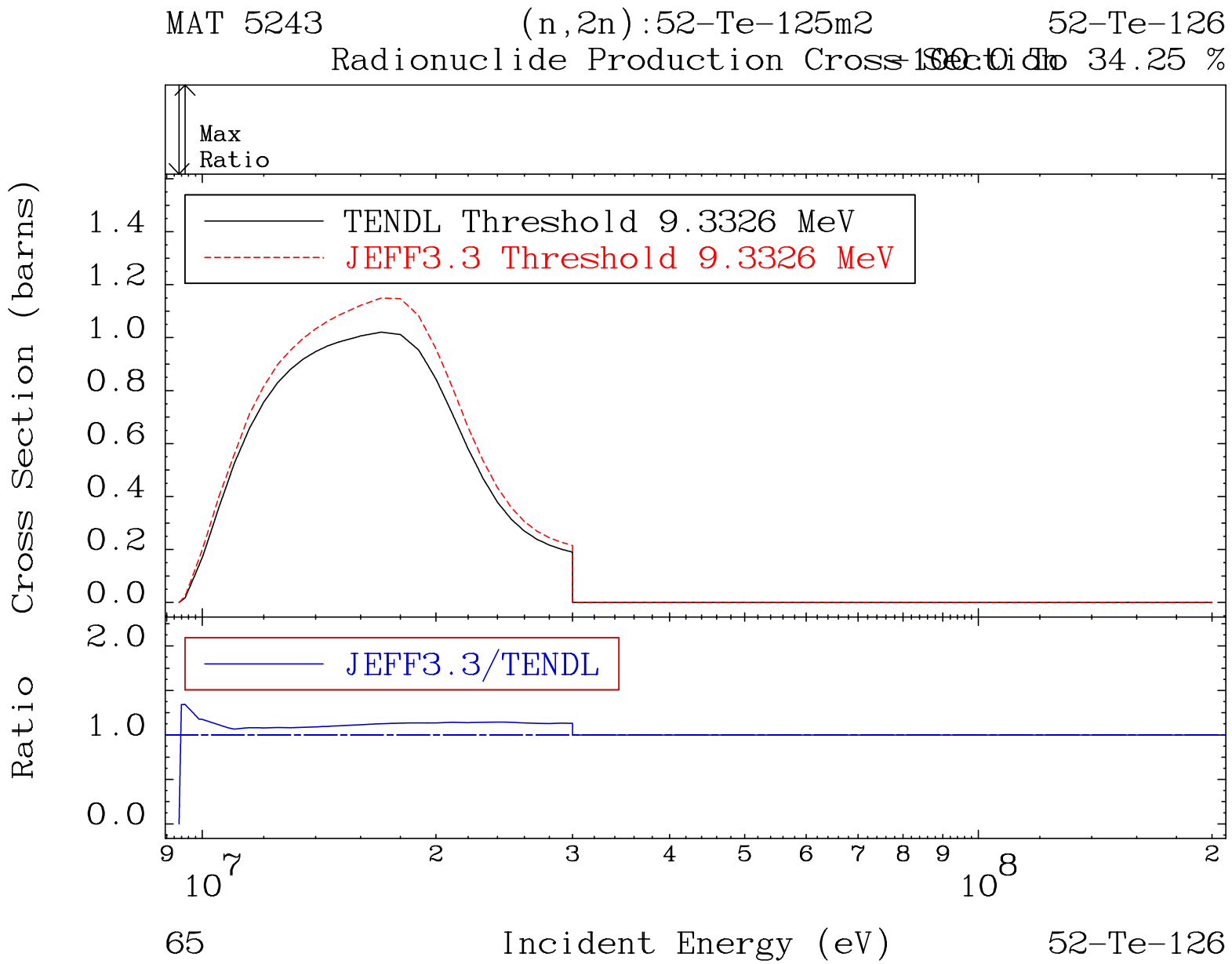

MAT 5243
(n,p):51-Sb-126m1
52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 2.9297 MeV
JENDL5.0 Threshold 2.9248 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
60
52-Te-126

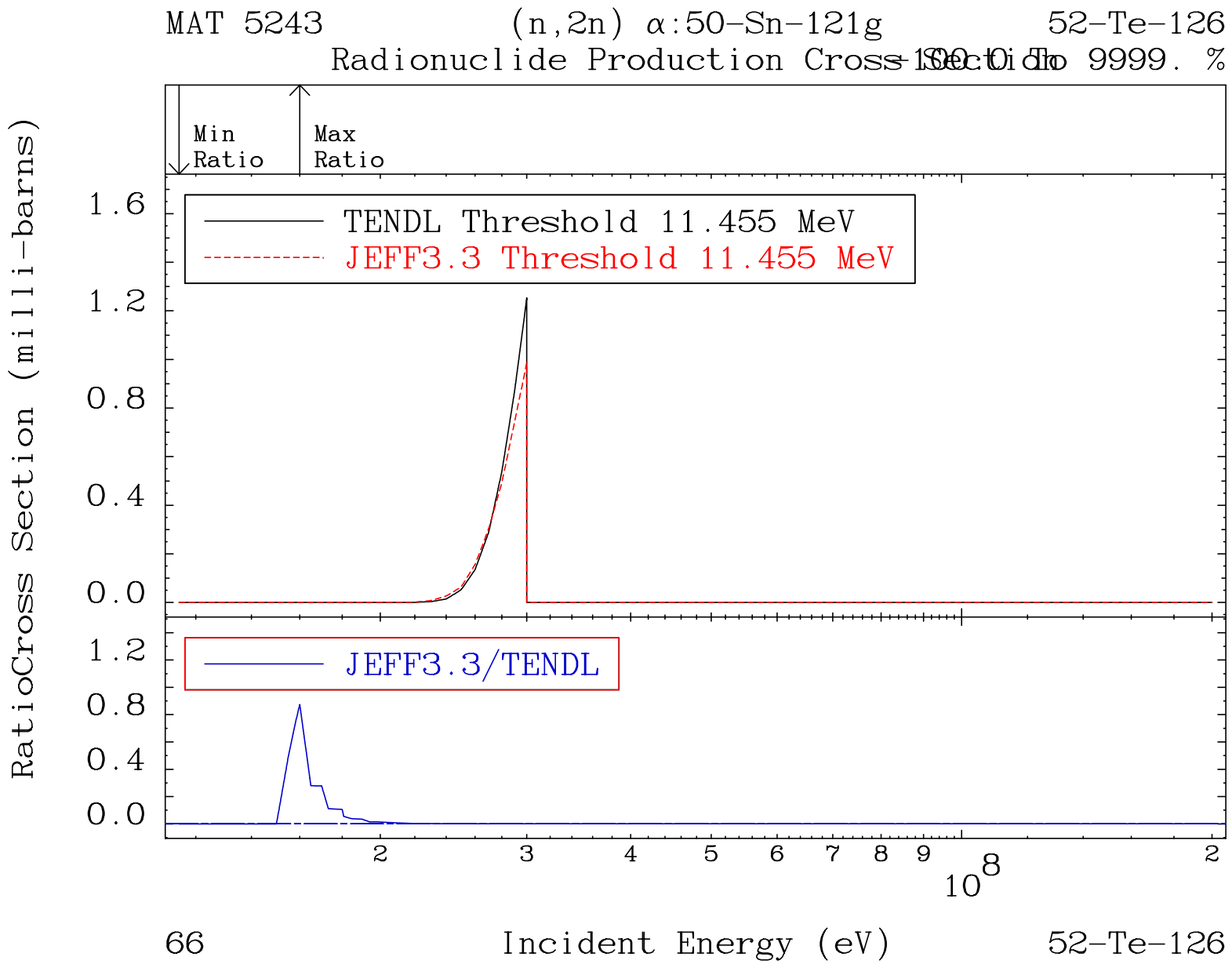

MAT 5243
(n,p):51-Sb-126m2
52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 2.9525 MeV
JENDL5.0 Threshold 2.9476 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
61
52-Te-126

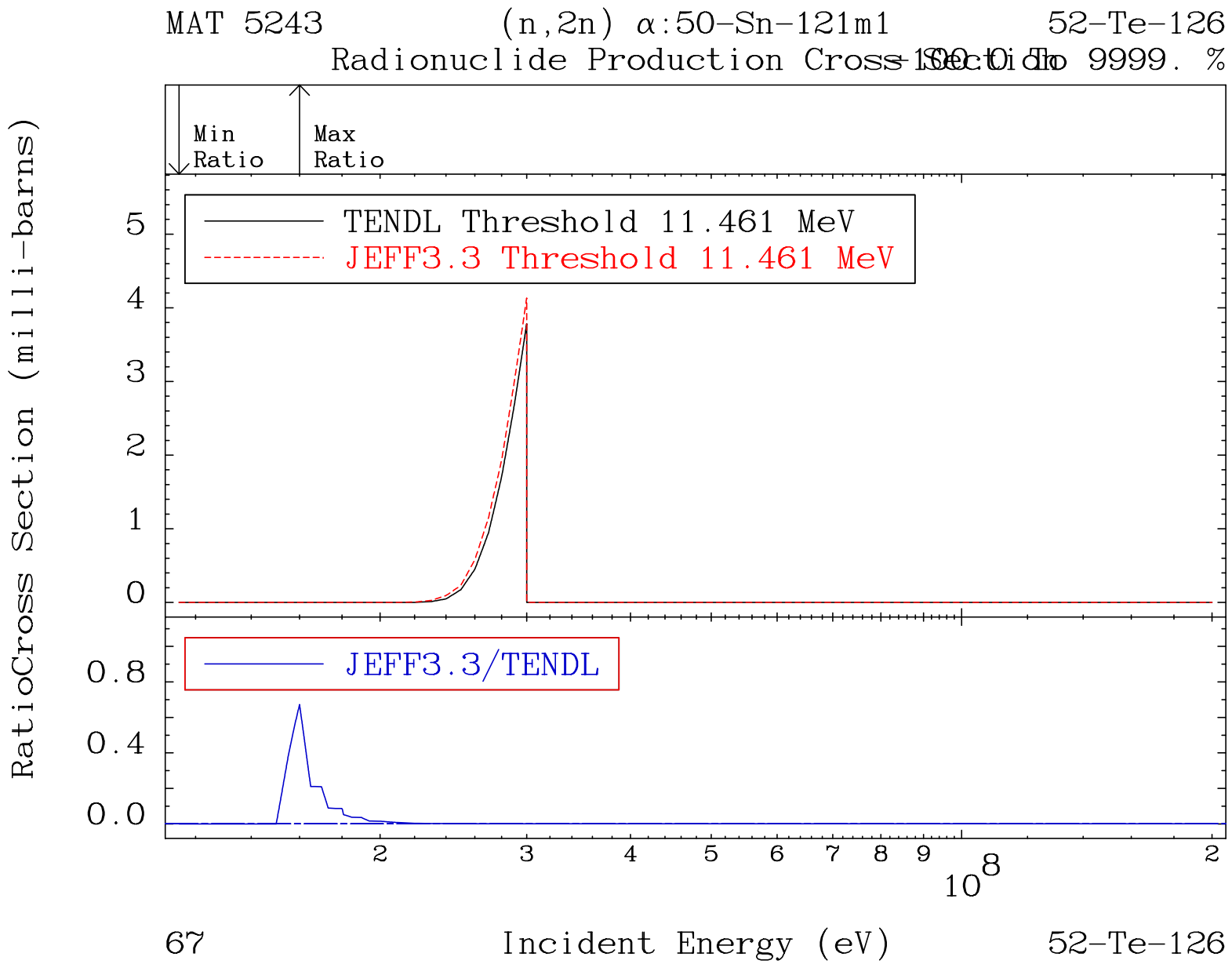

MAT 5243
(n,t):51-Sb-124g
52-Te-126
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.3983 MeV
JENDL5.0 Threshold 9.3983 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
80
40
0
10^7
2
3
4
5
6
7
8
9
10^8
2
62
Incident Energy (eV)
52-Te-126

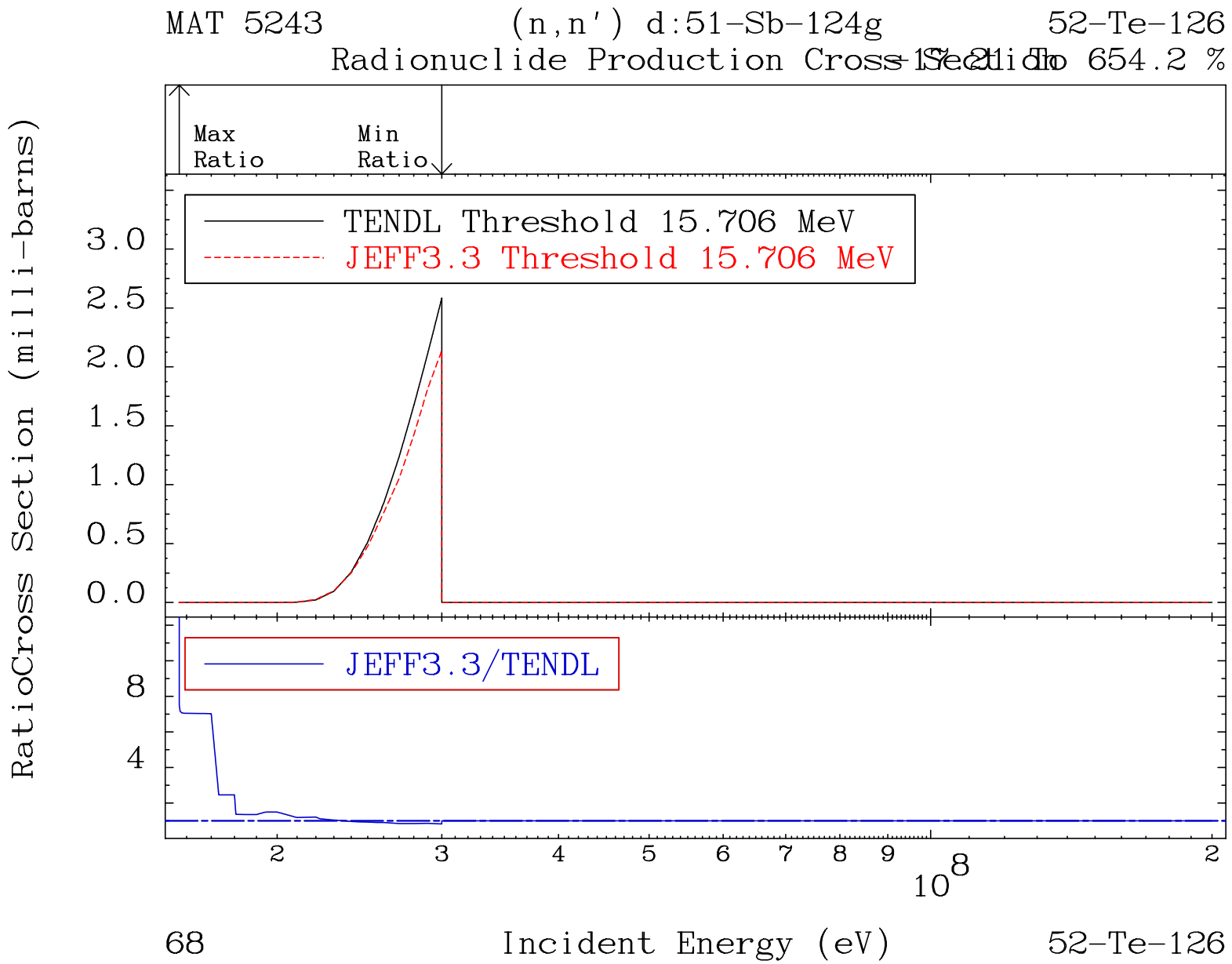

MAT 5243
(n,t):51-Sb-124m1
52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 9.4092 MeV
JENDL5.0 Threshold 9.4092 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
63
52-Te-126

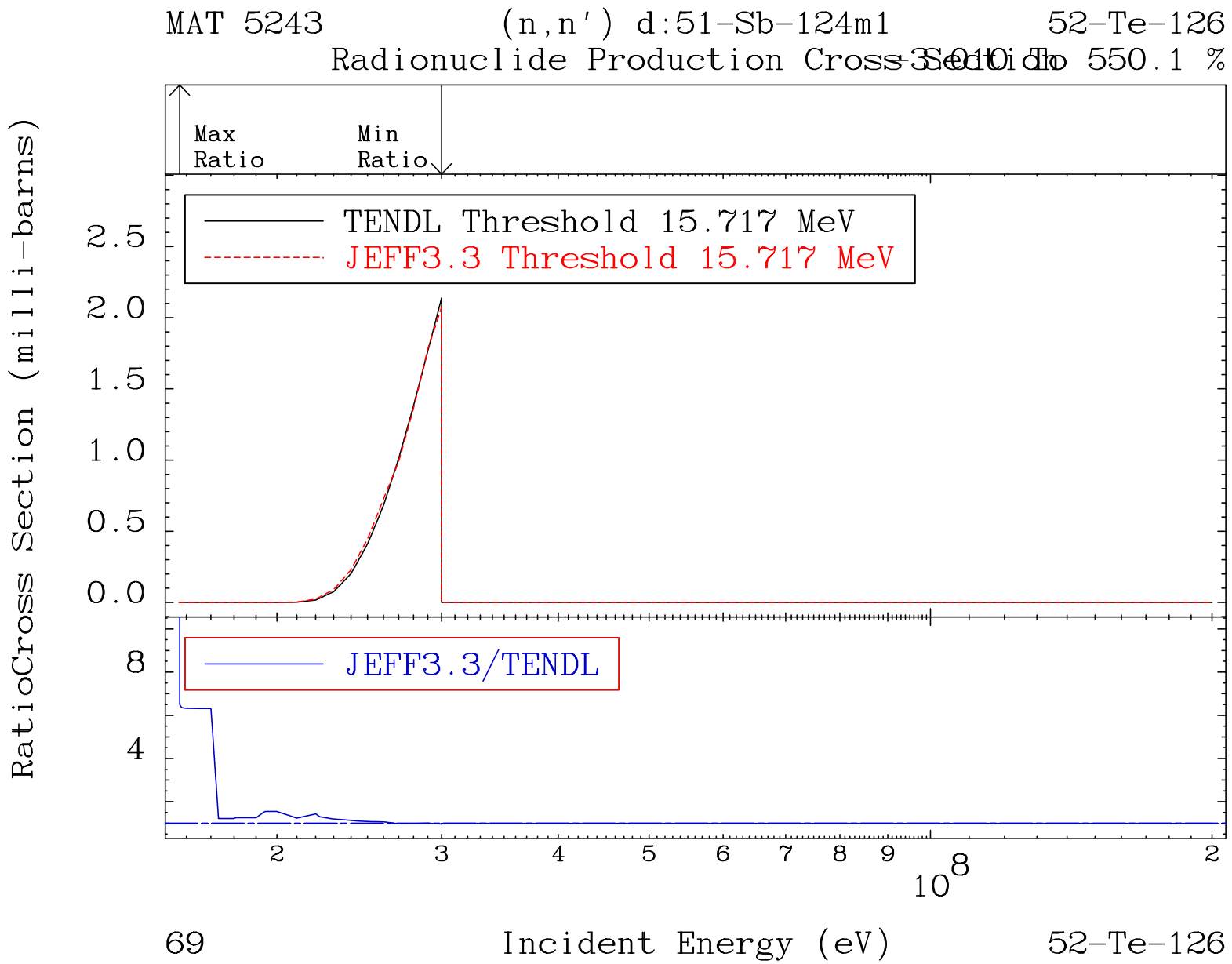

MAT 5243
(n,t):51-Sb-124m2
52-Te-126
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 11.000 MeV
JENDL5.0 Threshold 9.4346 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
8
4
0
10^7
2
3
4
5
6
7
8
9
10^8
2
64
Incident Energy (eV)
52-Te-126

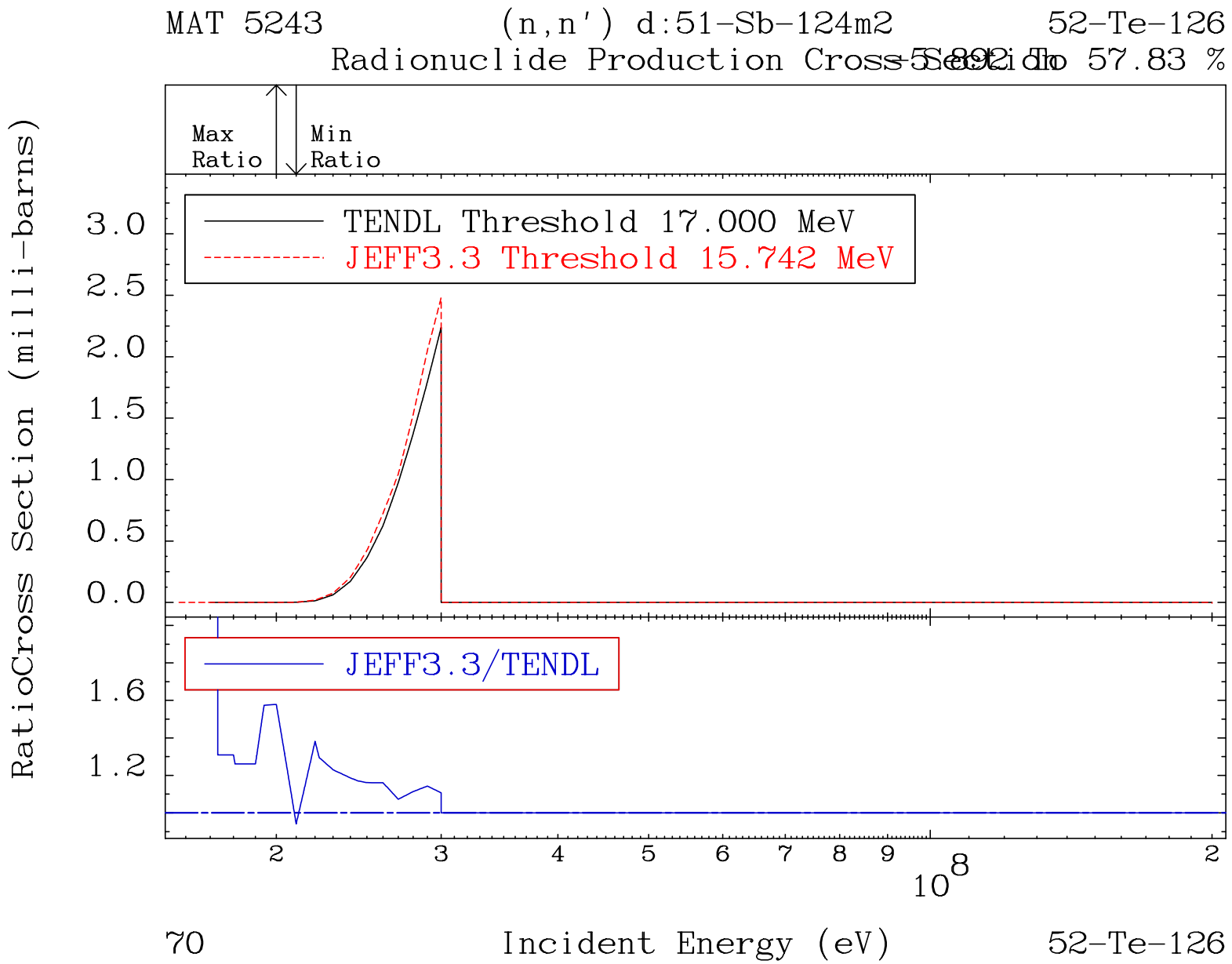

MAT 5243
(n,2n):52-Te-125m2
52-Te-126
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 9.3326 MeV
JEFF3.3 Threshold 9.3326 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
65
Incident Energy (eV)
52-Te-126

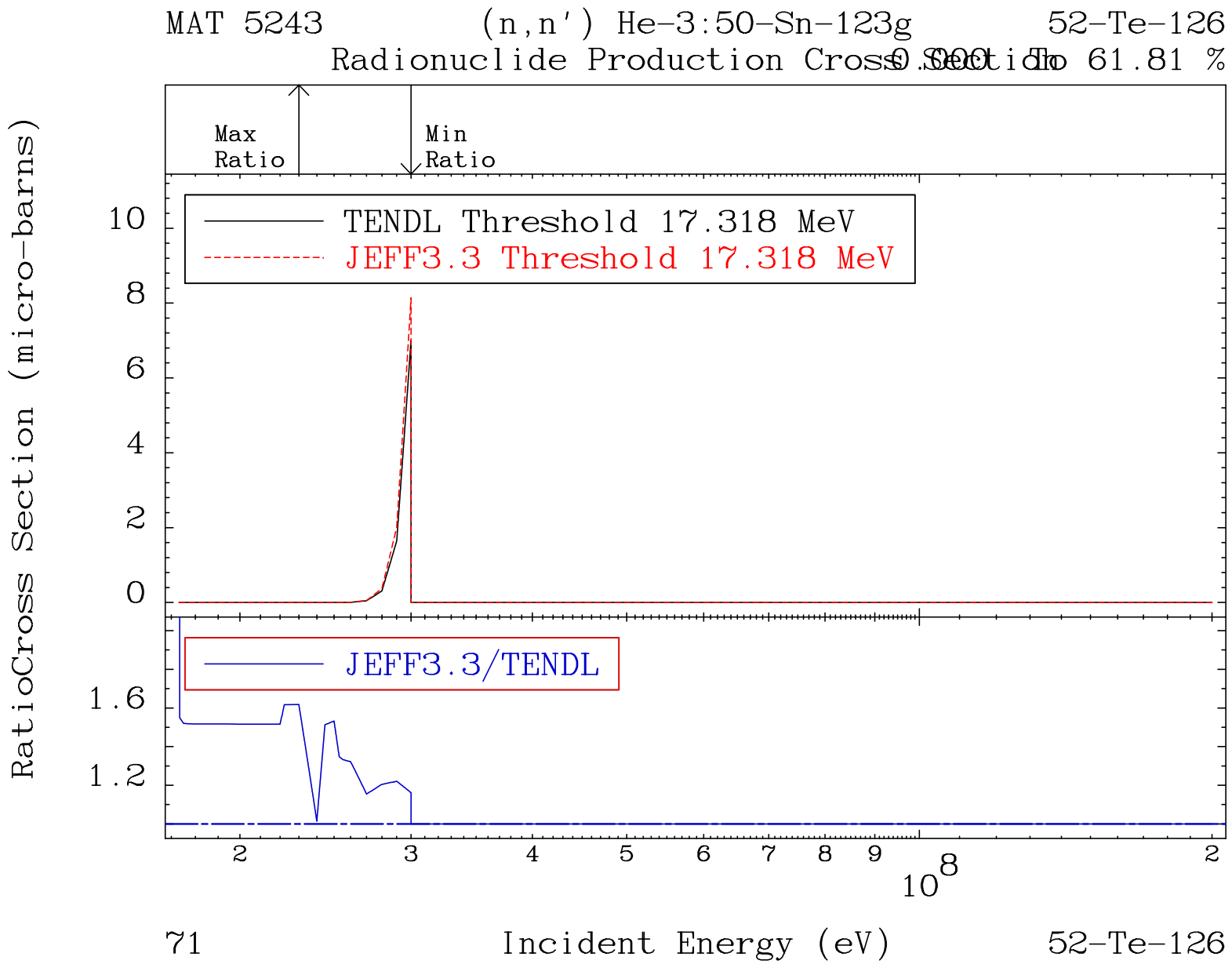

MAT 5243
(n,2n) α:50-Sn-121g
52-Te-126
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 11.455 MeV
JEFF3.3 Threshold 11.455 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
2
3
4
5
6
7
8
9
2
10^8
66
Incident Energy (eV)
52-Te-126

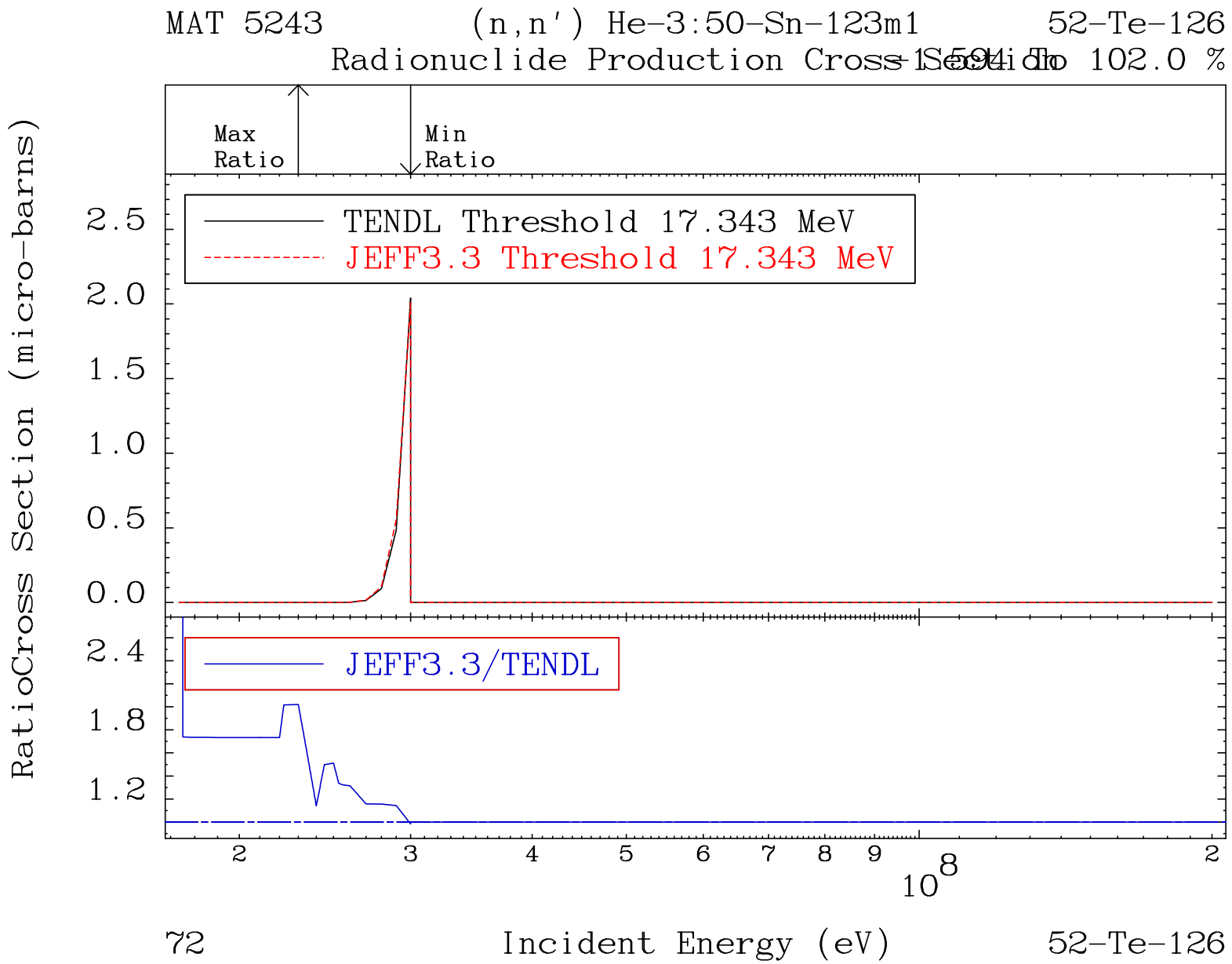

MAT 5243
(n,2n) α:50-Sn-121m1
52-Te-126
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 11.461 MeV
JEFF3.3 Threshold 11.461 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
67
52-Te-126

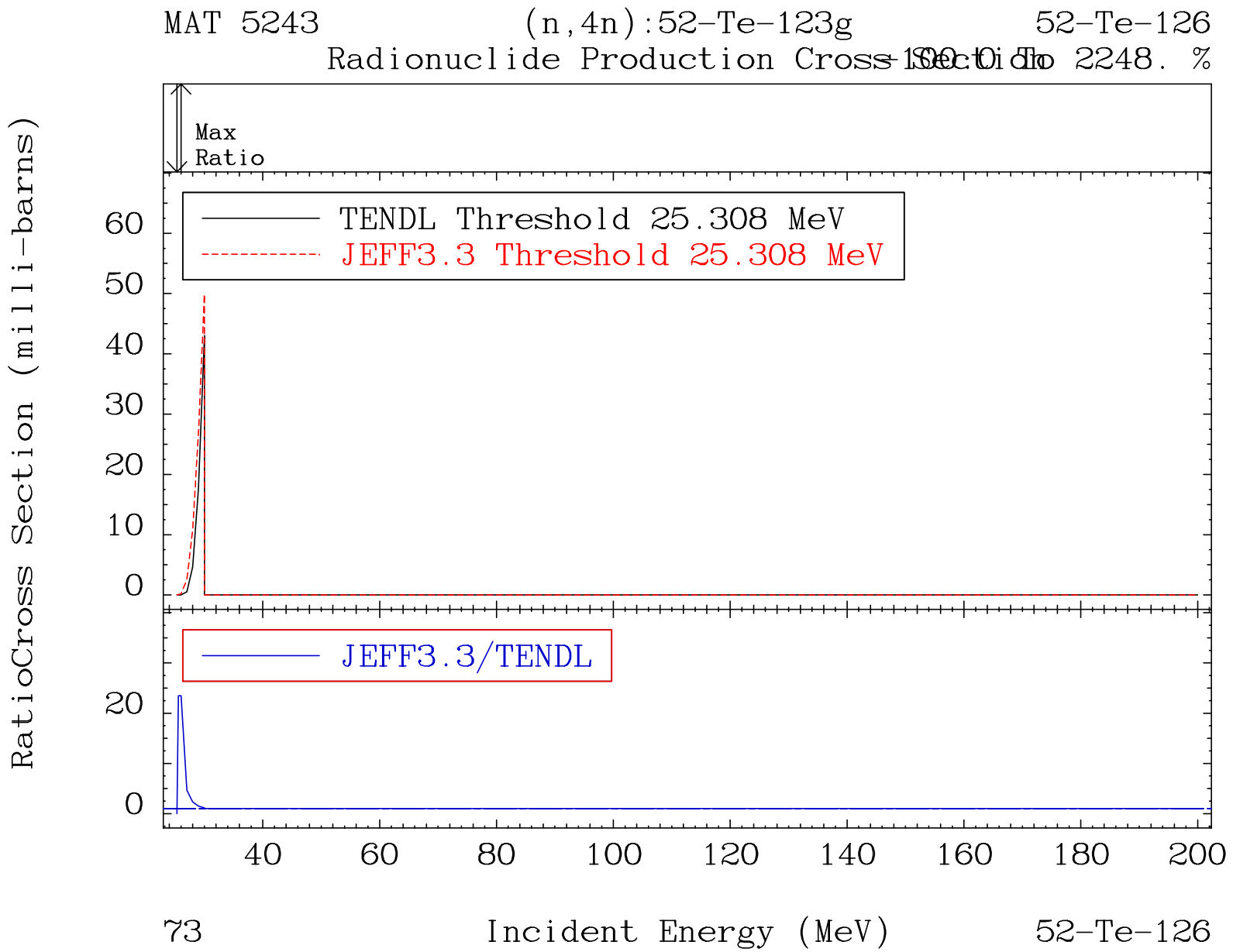

MAT 5243
(n,n') d:51-Sb-124g
52-Te-126
Radionuclide Production Cross Section To 654.2 %
Max Ratio
Min Ratio
TENDL Threshold 15.706 MeV
JEFF3.3 Threshold 15.706 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
8
4
2
3
4
5
6
7
8
9
2
10^8
68
Incident Energy (eV)
52-Te-126

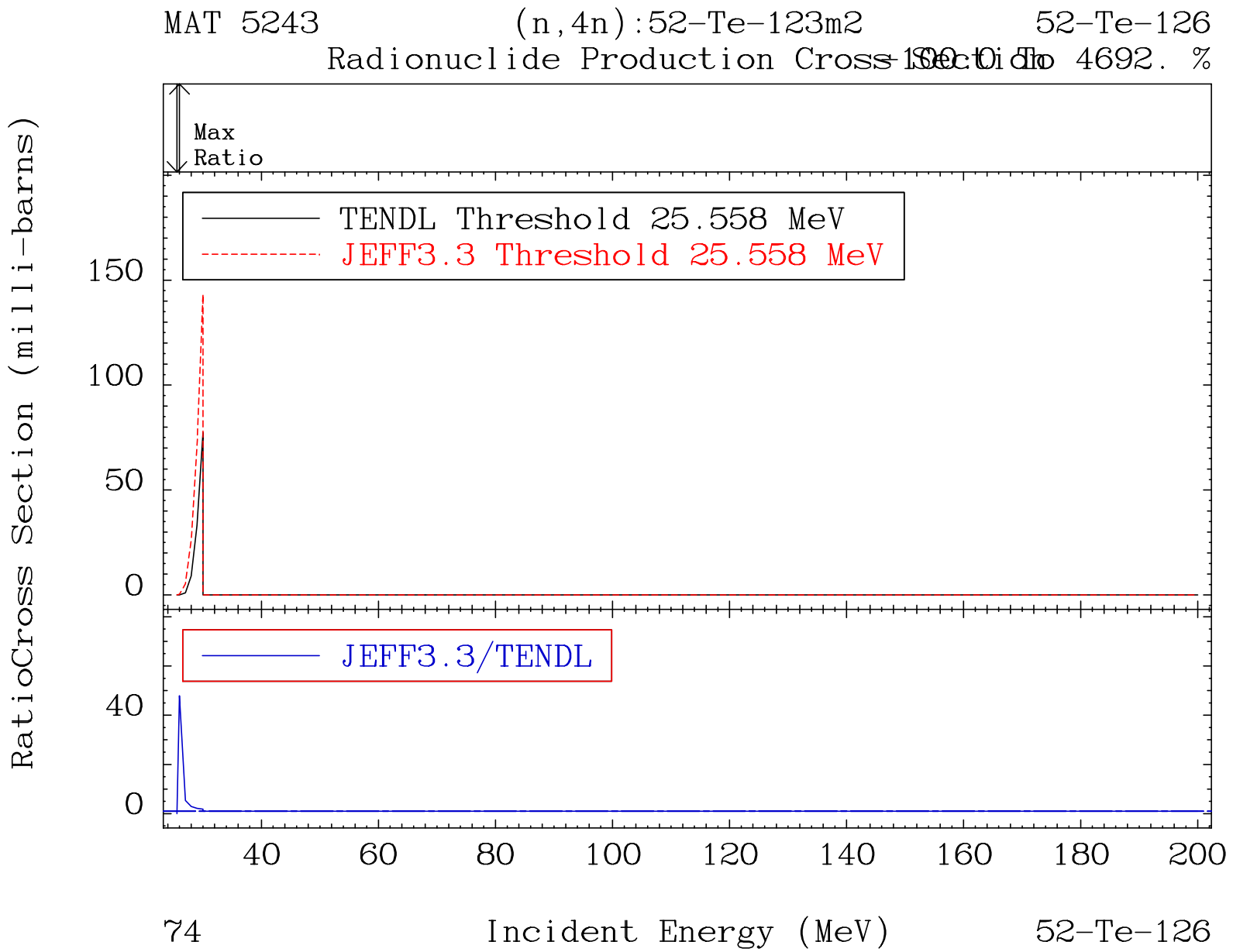

MAT 5243 (n,n') d:51-Sb-124m1 52-Te-126
Radionuclide Production Cross Section To 550.1 %
Max Ratio
Min Ratio
TENDL Threshold 15.717 MeV
JEFF3.3 Threshold 15.717 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
8
4
2
3
4
5
6
7
8
9
2
10^8
69
Incident Energy (eV)
52-Te-126

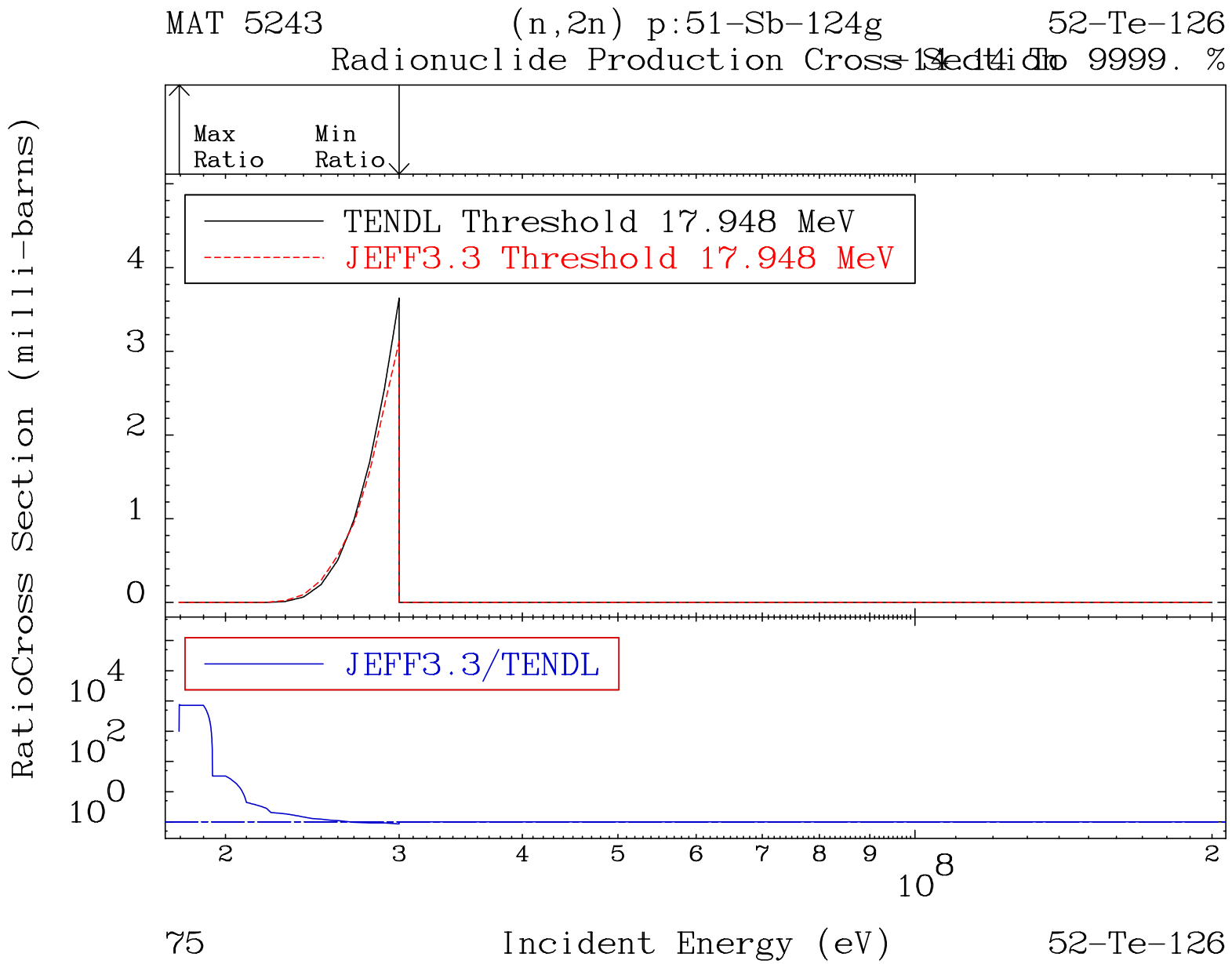

MAT 5243 (n,n') d:51-Sb-124m2 52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 17.000 MeV
JEFF3.3 Threshold 15.742 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
70
52-Te-126

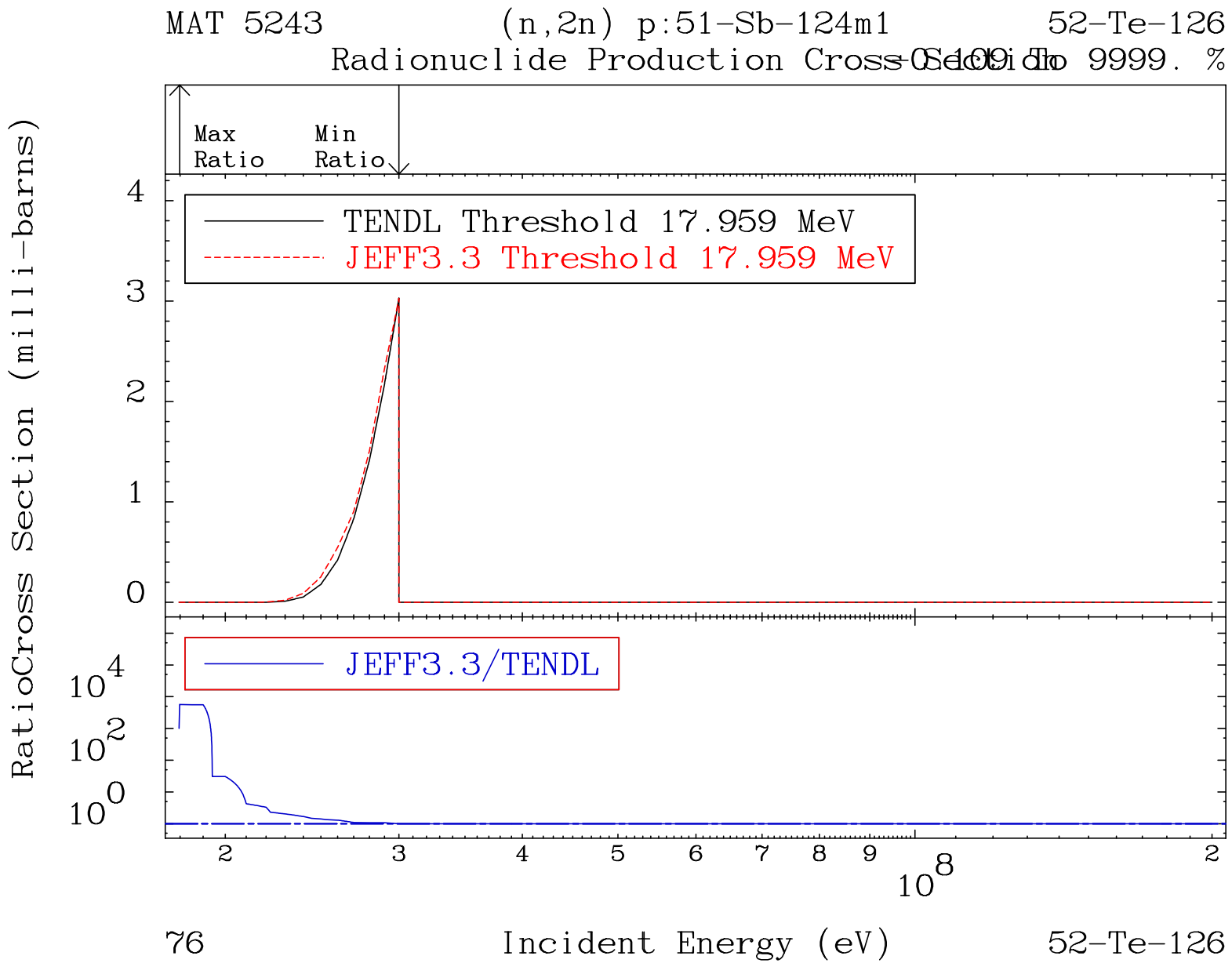

MAT 5243 (n,n') He-3:50-Sn-123g 52-Te-126
Radionuclide Production Cross Section
0.000 To 61.81 %
Max Ratio
Min Ratio
TENDL Threshold 17.318 MeV
JEFF3.3 Threshold 17.318 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
10
8
6
4
2
0
1.6
1.2
2
3
4
5
6
7
8
9
10^8
2
71
Incident Energy (eV)
52-Te-126

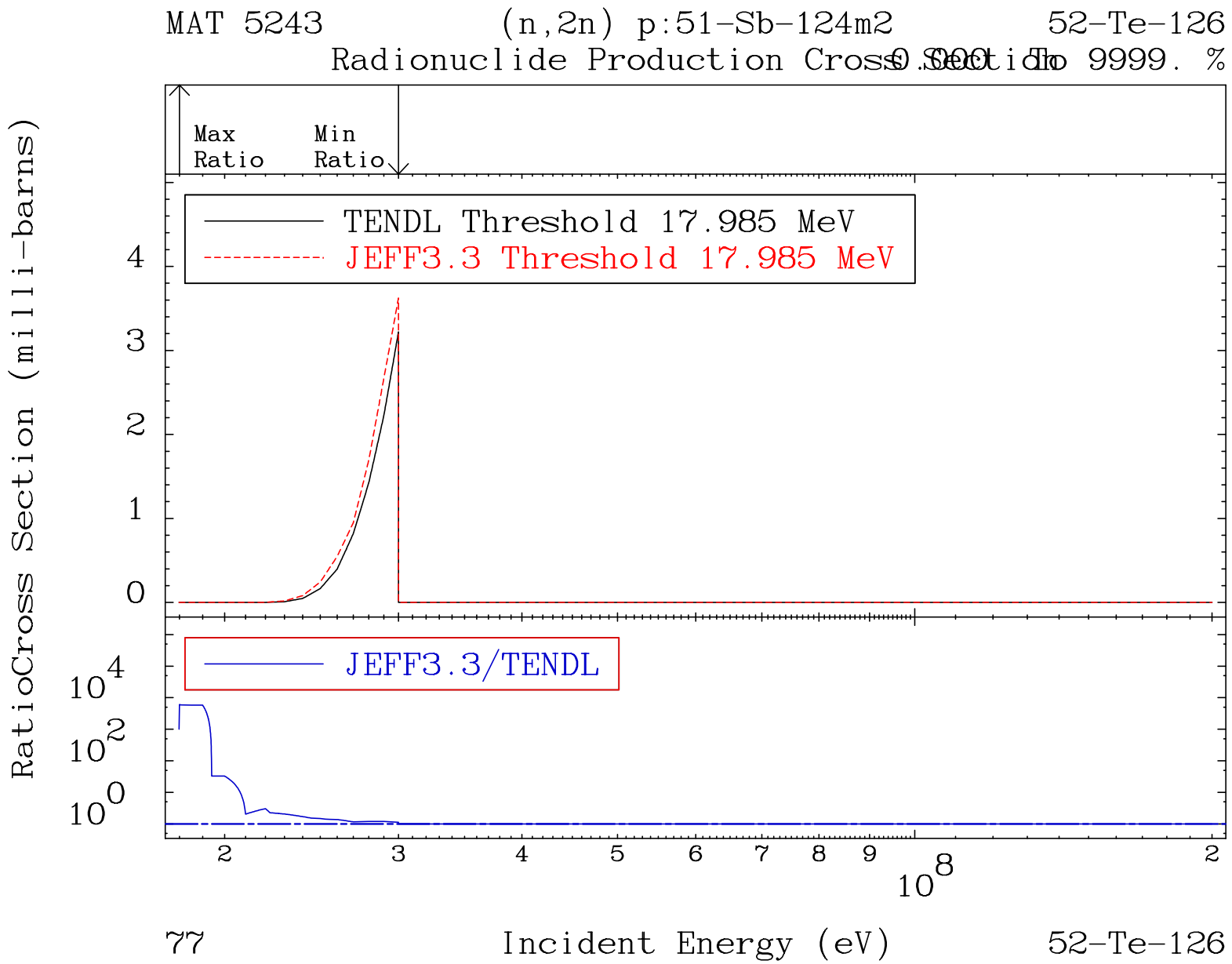

MAT 5243 (n,n') He-3:50-Sn-123m1 52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 17.343 MeV
JEFF3.3 Threshold 17.343 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
72
52-Te-126

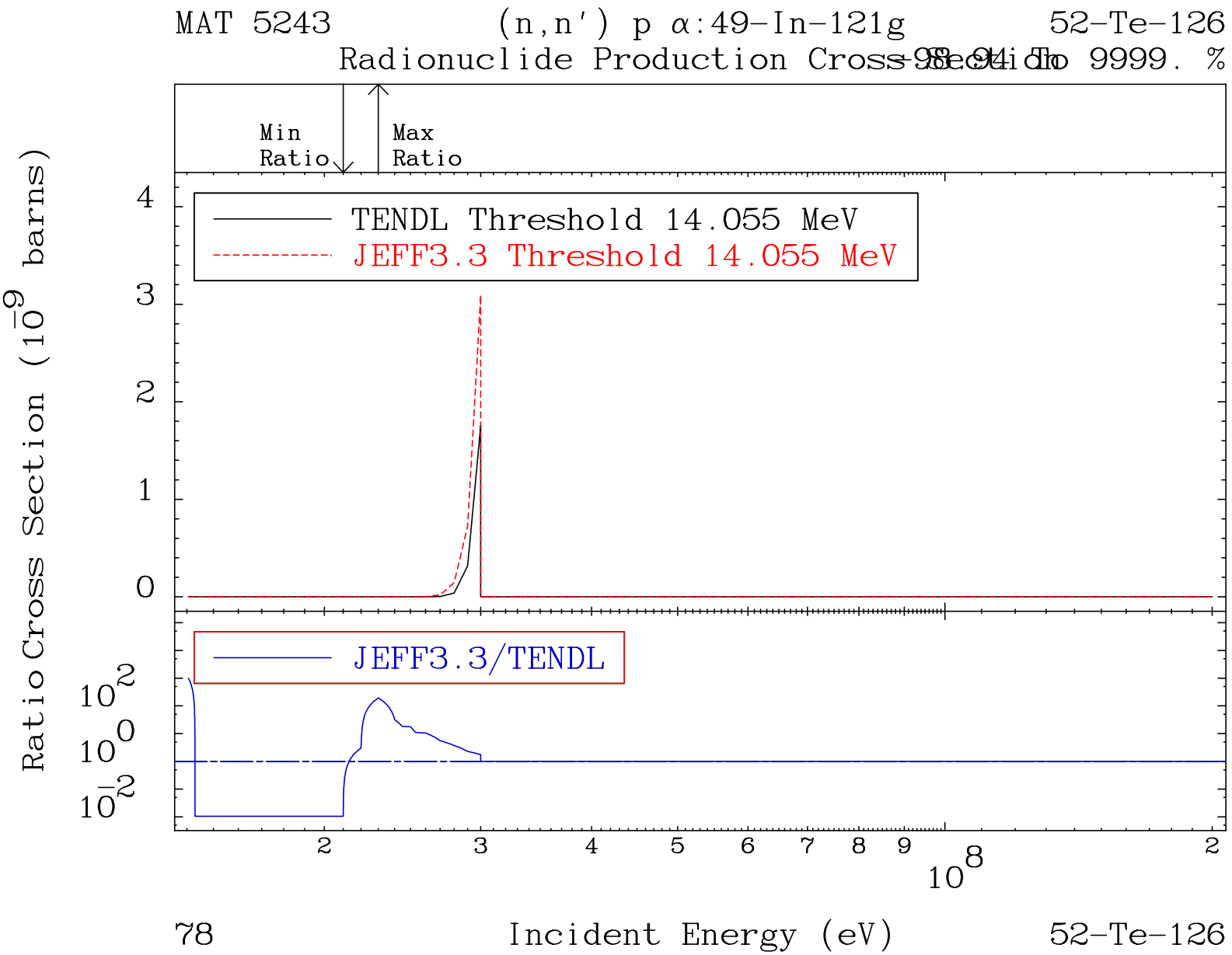

MAT 5243
(n,4n):52-Te-123g
52-Te-126
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 25.308 MeV
JEFF3.3 Threshold 25.308 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
20
0
40
60
80
100
120
140
160
180
200
73
Incident Energy (MeV)
52-Te-126

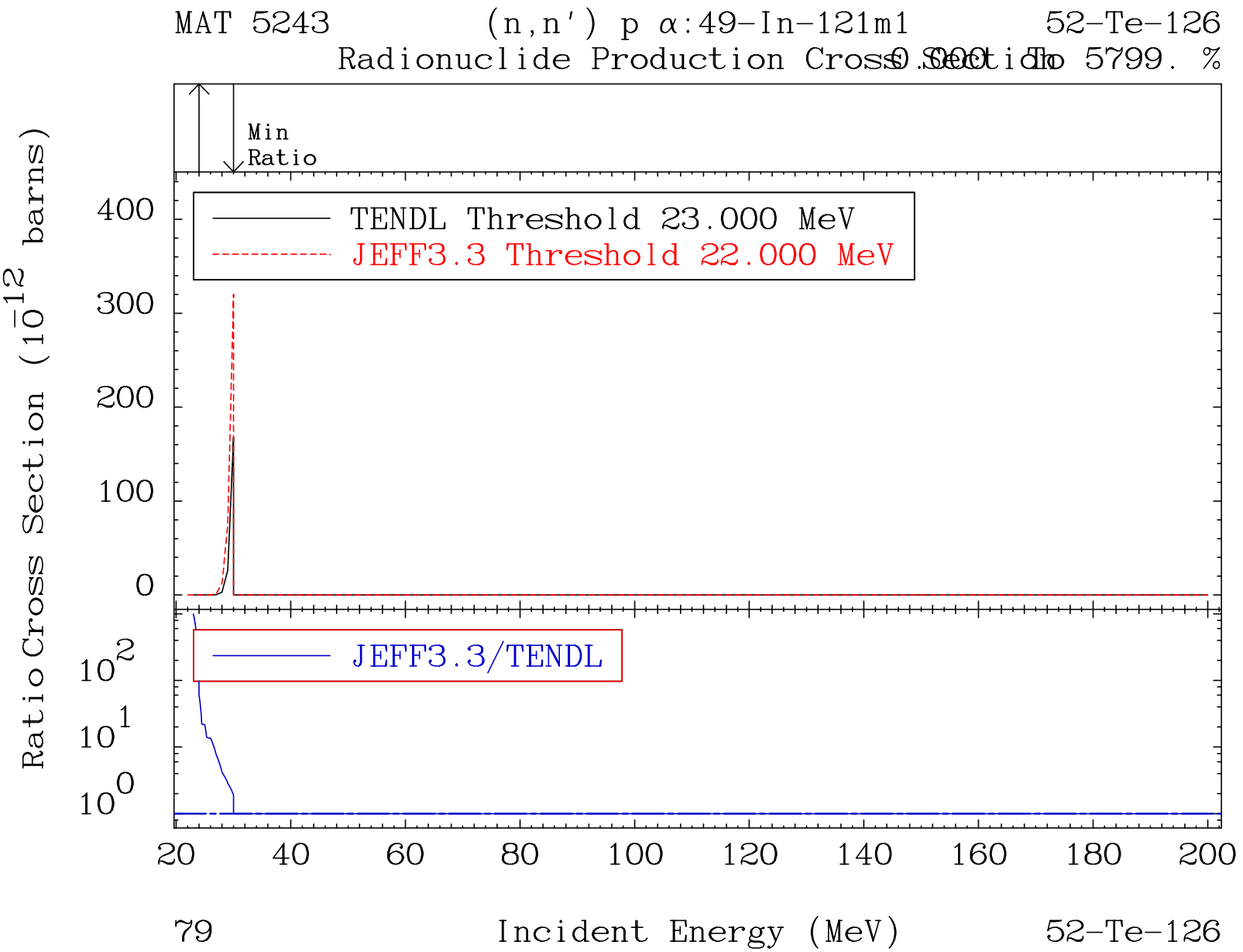

MAT 5243
(n,4n):52-Te-123m2
52-Te-126
Radionuclide Production Cross Section
Max Ratio
TENDL Threshold 25.558 MeV
JEFF3.3 Threshold 25.558 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
150
100
50
0
40
0
40
60
80
100
120
140
160
180
200
74
Incident Energy (MeV)
52-Te-126

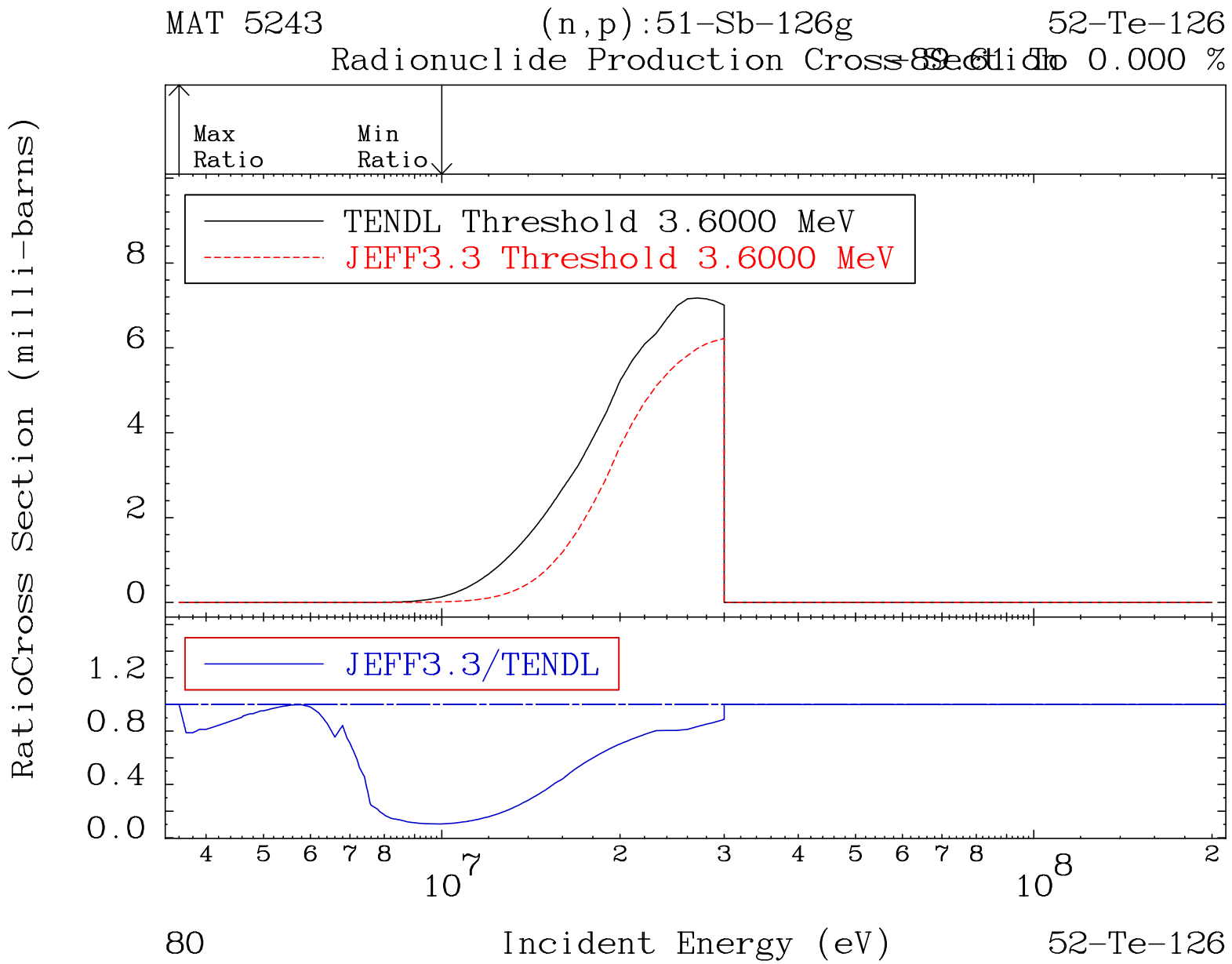

MAT 5243
(n,2n) p:51-Sb-124g
52-Te-126
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 17.948 MeV
JEFF3.3 Threshold 17.948 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
75
52-Te-126

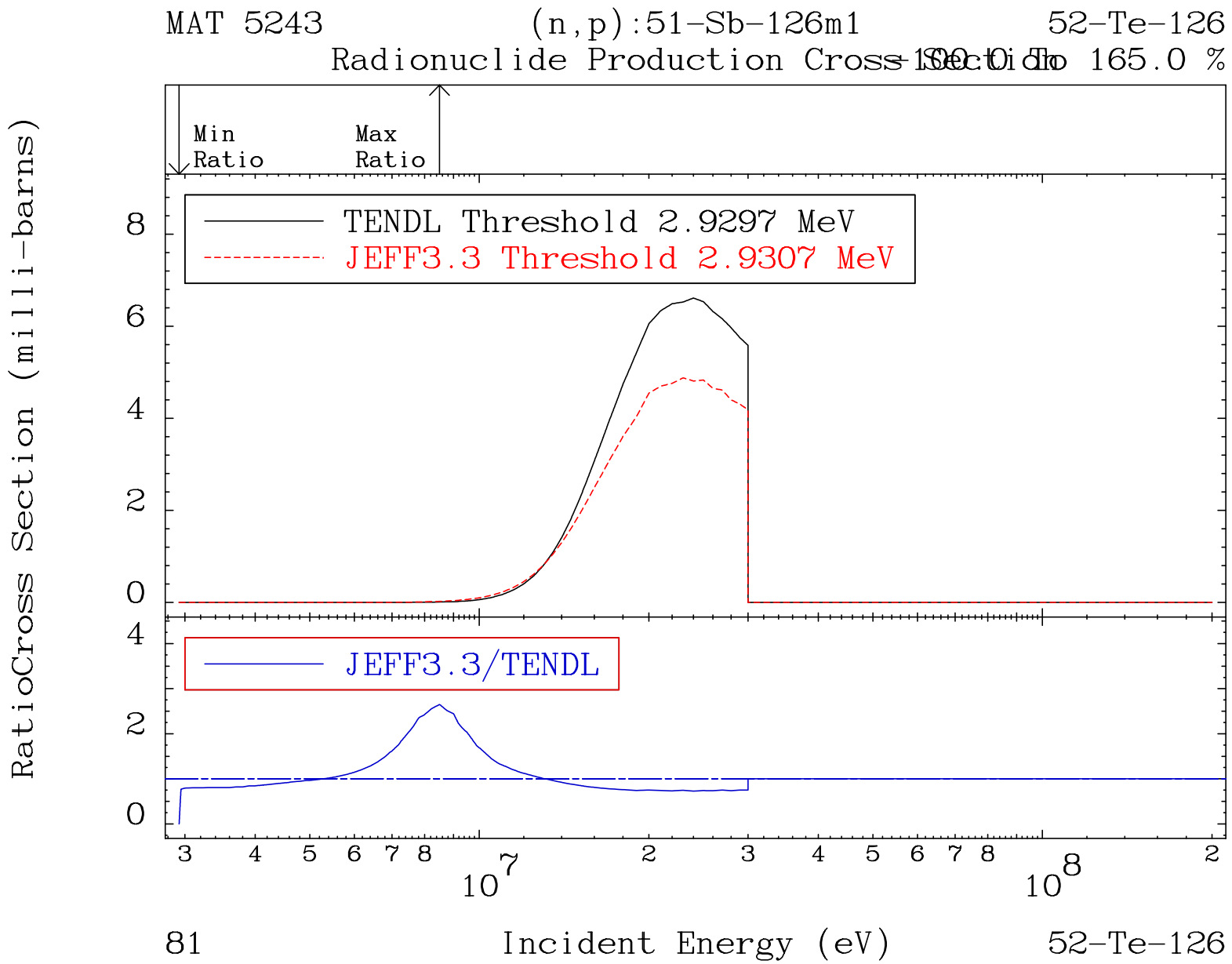

MAT 5243
(n,2n) p:51-Sb-124m1
52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 17.959 MeV
JEFF3.3 Threshold 17.959 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
76
52-Te-126

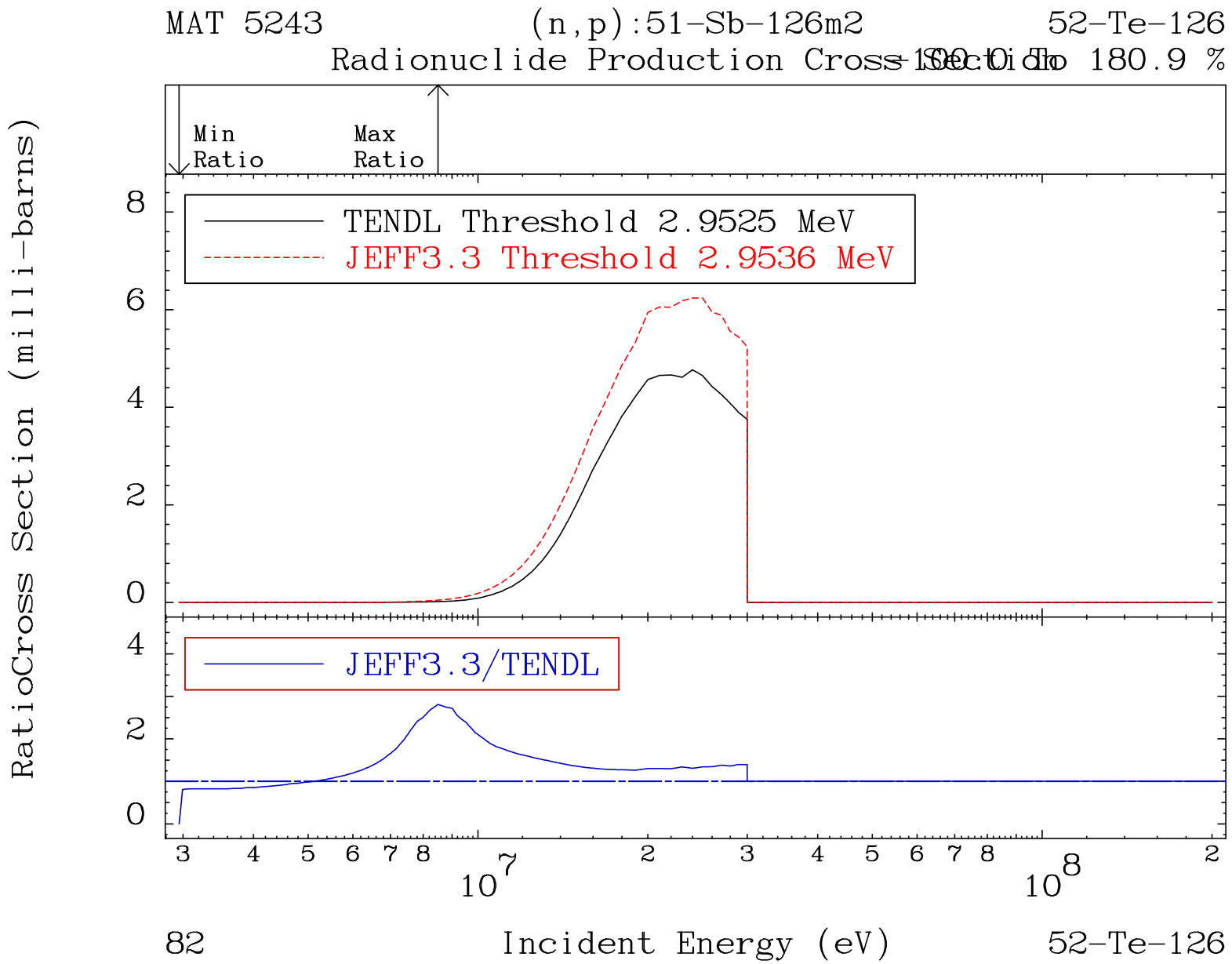

MAT 5243 (n,2n) p:51-Sb-124m2 52-Te-126
Radionuclide Production Cross Section
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 17.985 MeV
JEFF3.3 Threshold 17.985 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
77
52-Te-126

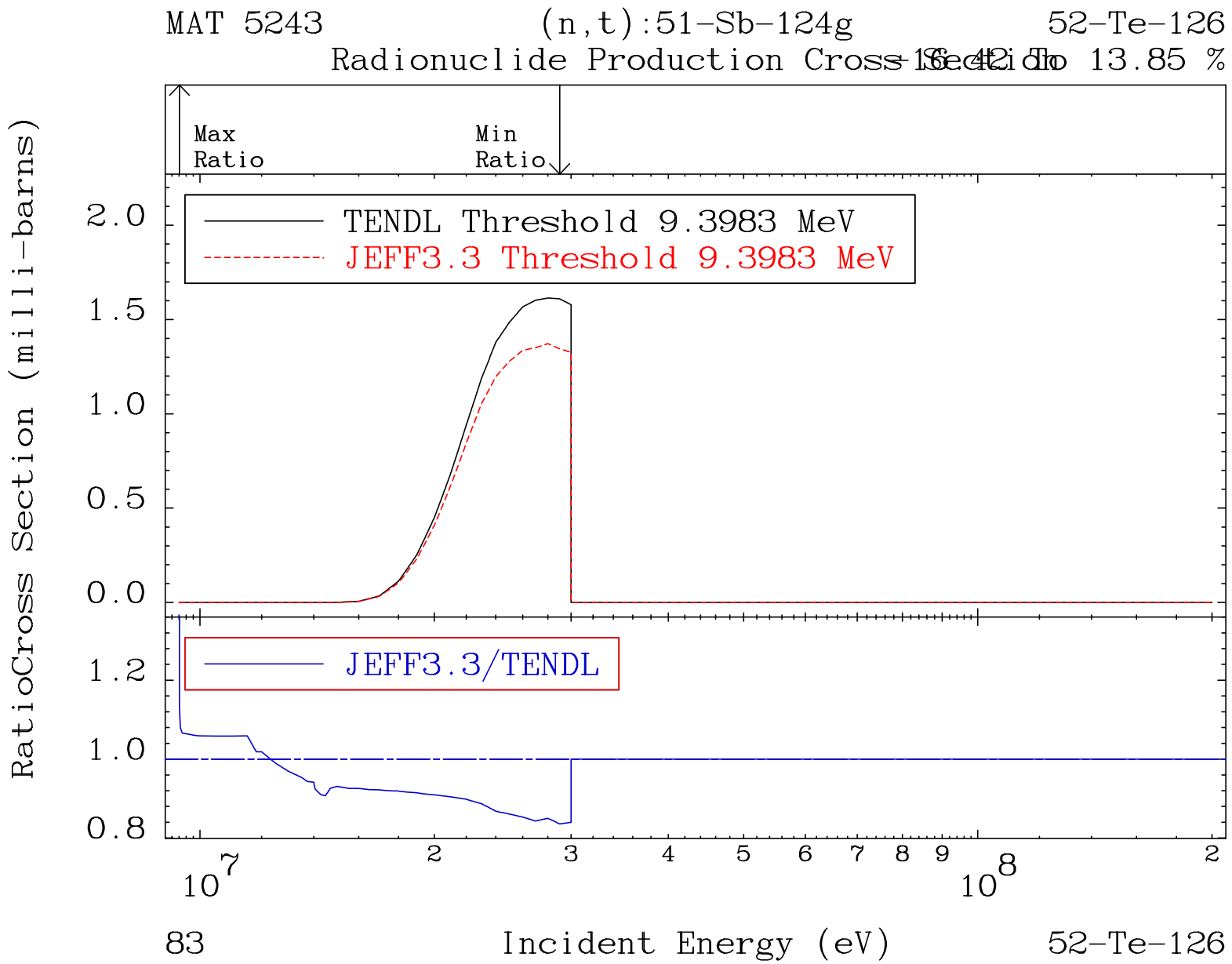

MAT 5243
(n,n') p α:49-In-121g
52-Te-126
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 14.055 MeV
JEFF3.3 Threshold 14.055 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (eV)
78
52-Te-126

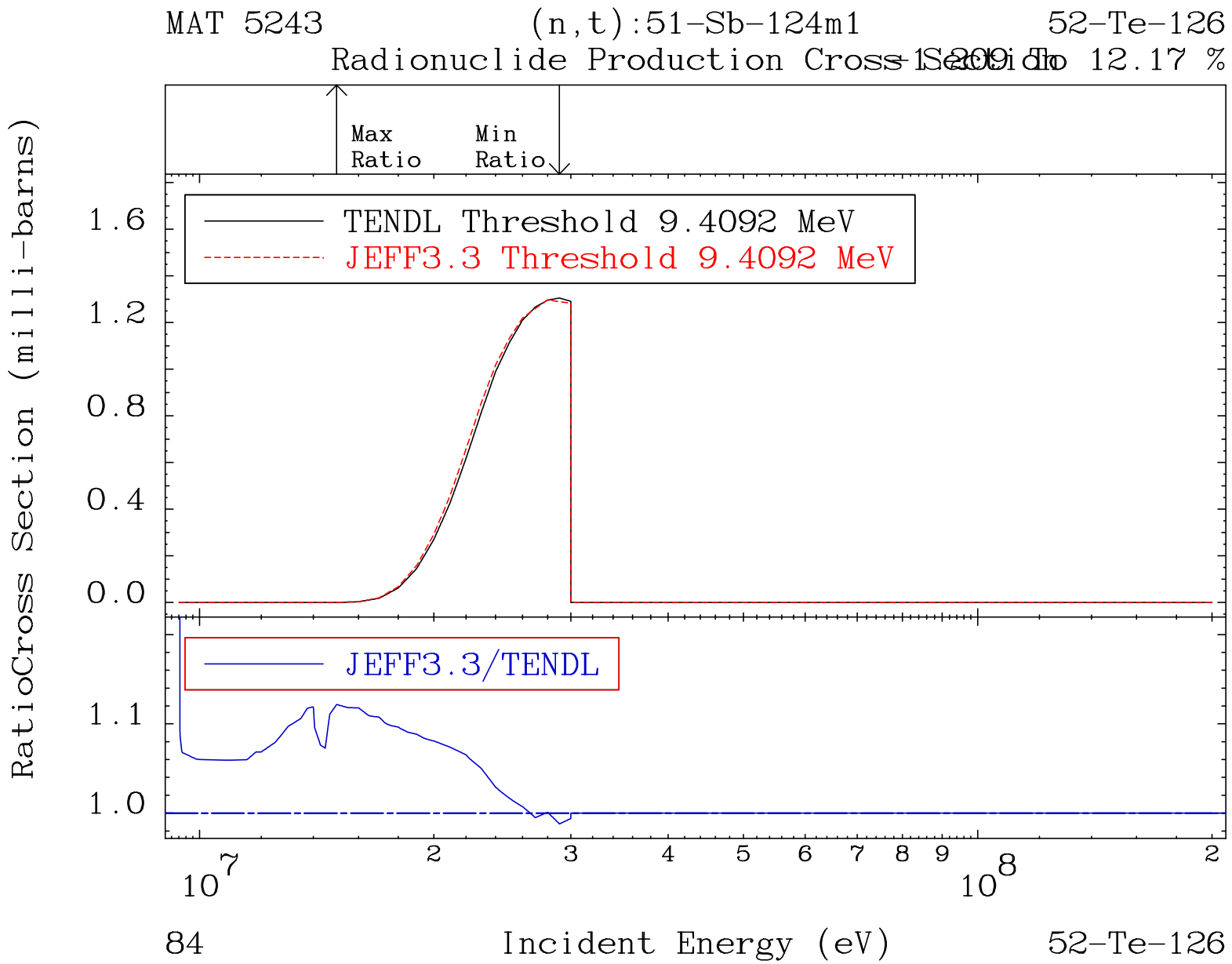

MAT 5243 (n,n') p α:49-In-121m1 52-Te-126
Radionuclide Production Cross Section
0.000 To 5799. %
Min
Ratio
TENDL Threshold 23.000 MeV
JEFF3.3 Threshold 22.000 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-12} barns)
400
300
200
100
0
10^2
10^1
10^0
20
40
60
80
100
120
140
160
180
200
79
Incident Energy (MeV)
52-Te-126

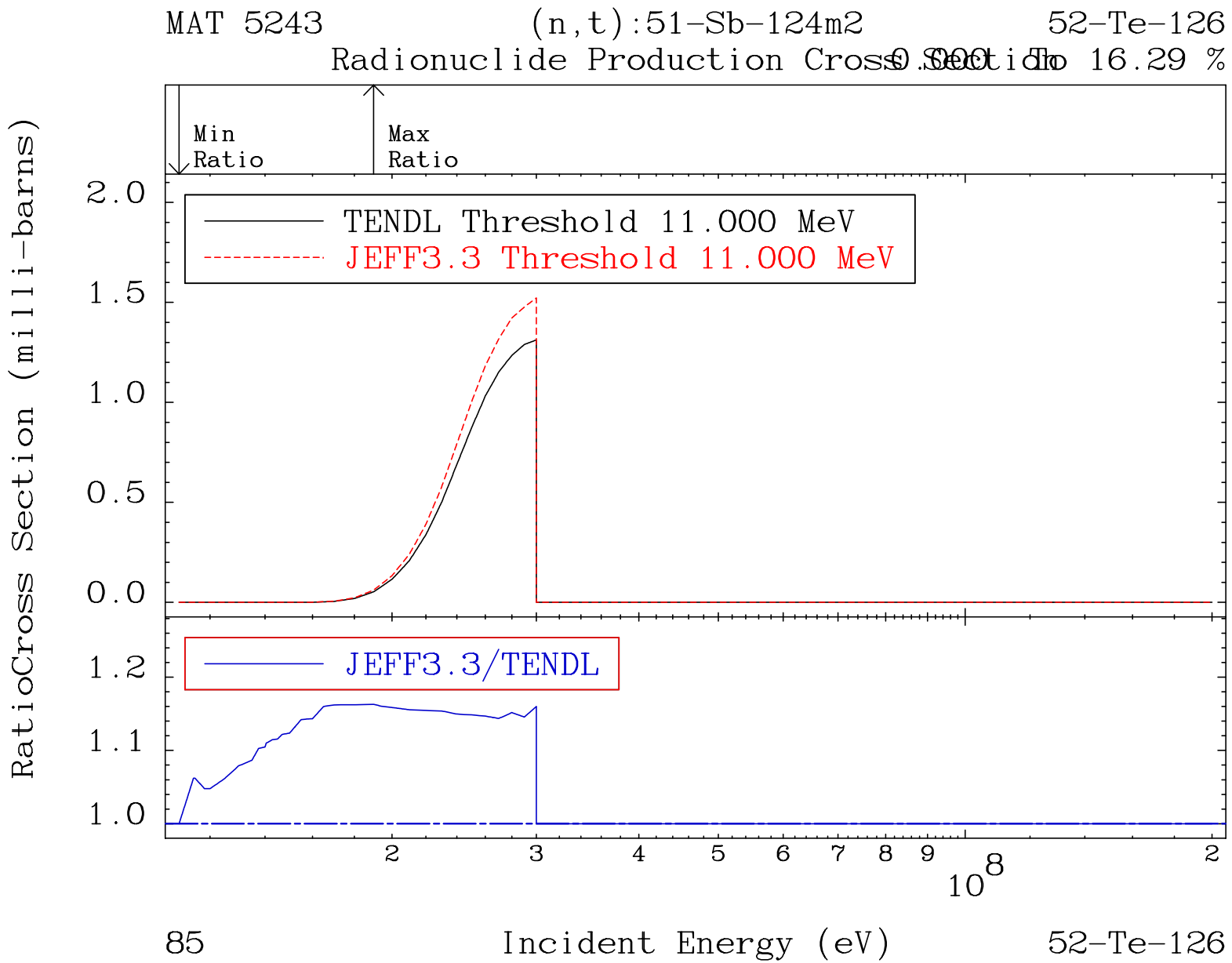

MAT 5243
(n,p):51-Sb-126g
52-Te-126
Radionuclide Production Cross Section To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 3.6000 MeV
JEFF3.3 Threshold 3.6000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
80
52-Te-126

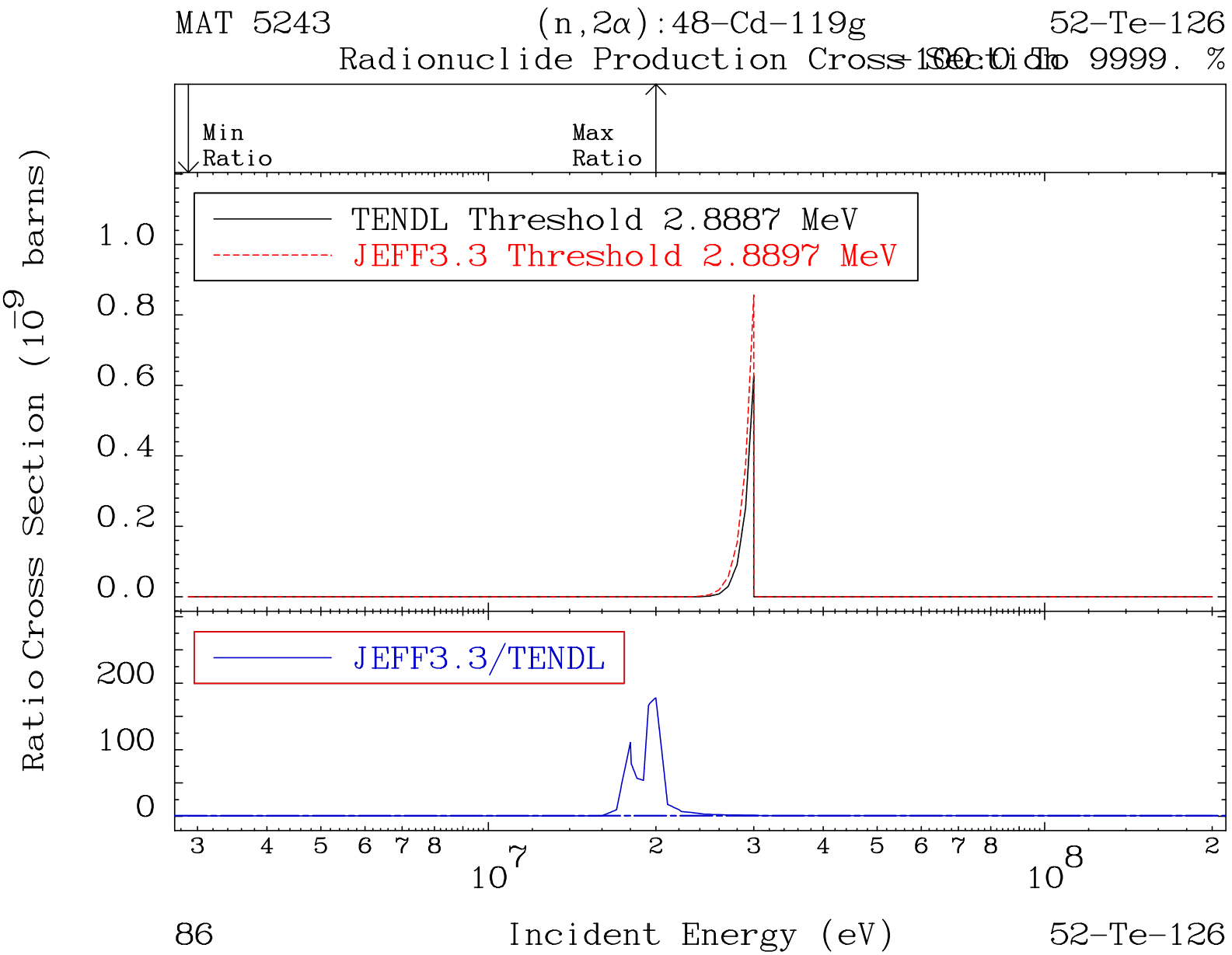

MAT 5243
(n,p):51-Sb-126m1
52-Te-126
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 2.9297 MeV
JEFF3.3 Threshold 2.9307 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
81
52-Te-126

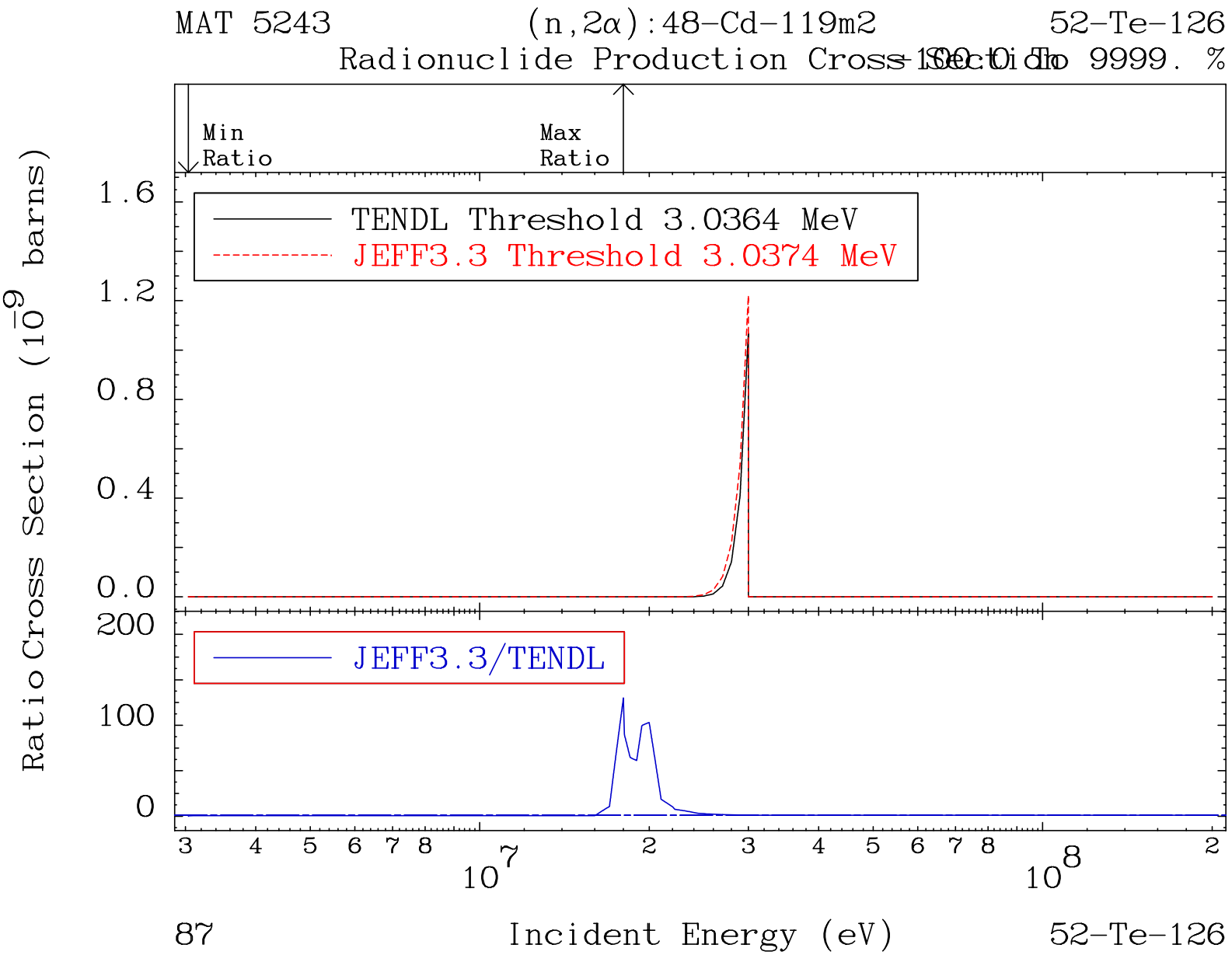

MAT 5243
(n,p):51-Sb-126m2
52-Te-126
Radionuclide Production Cross Section To 180.9 %
Min Ratio
Max Ratio
TENDL Threshold 2.9525 MeV
JEFF3.3 Threshold 2.9536 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
82
52-Te-126

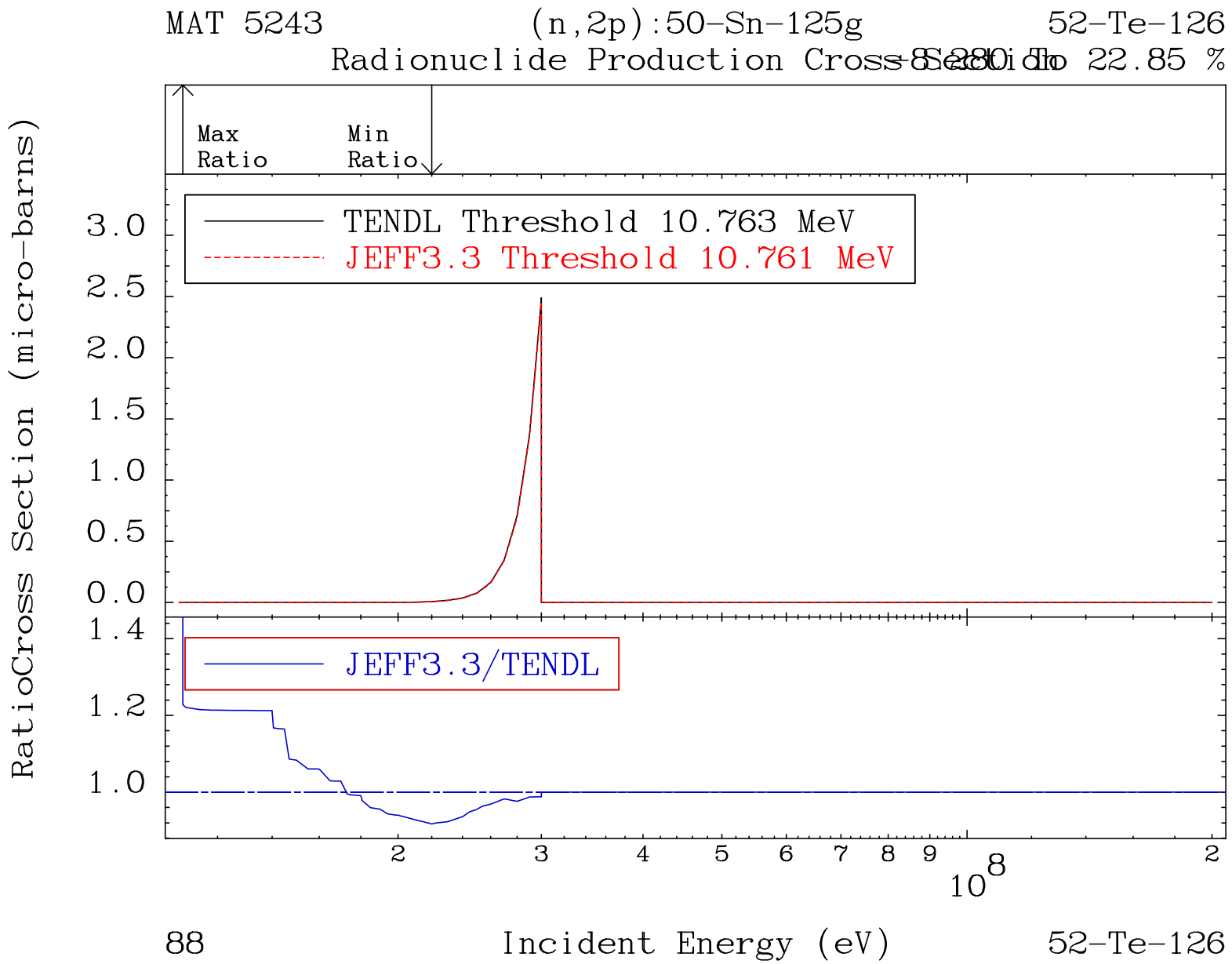

MAT 5243
(n,t):51-Sb-124g
52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 9.3983 MeV
JEFF3.3 Threshold 9.3983 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
83
52-Te-126

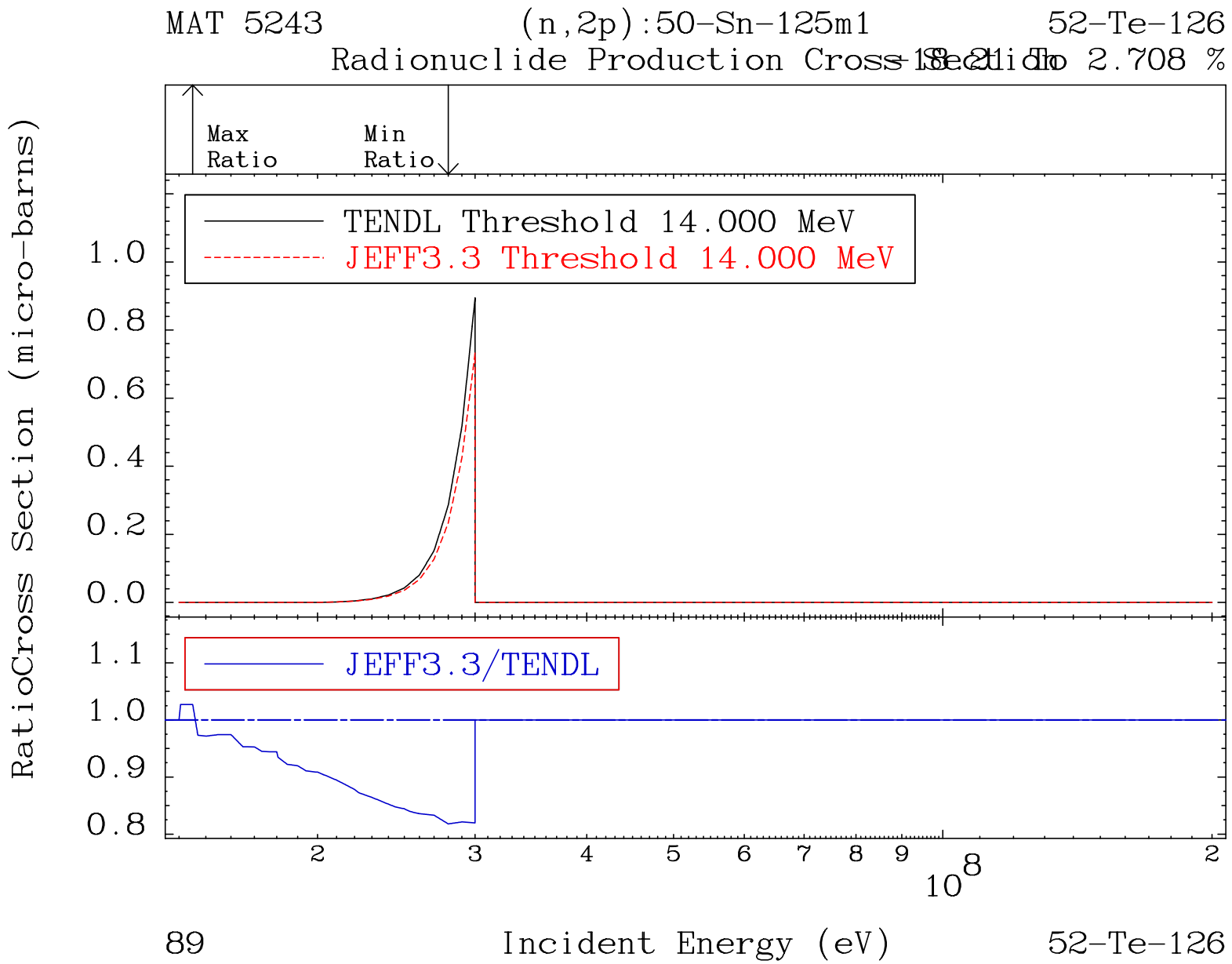

MAT 5243
(n,t):51-Sb-124m1
52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 9.4092 MeV
JEFF3.3 Threshold 9.4092 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
1.1
1.0
10^7
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
52-Te-126

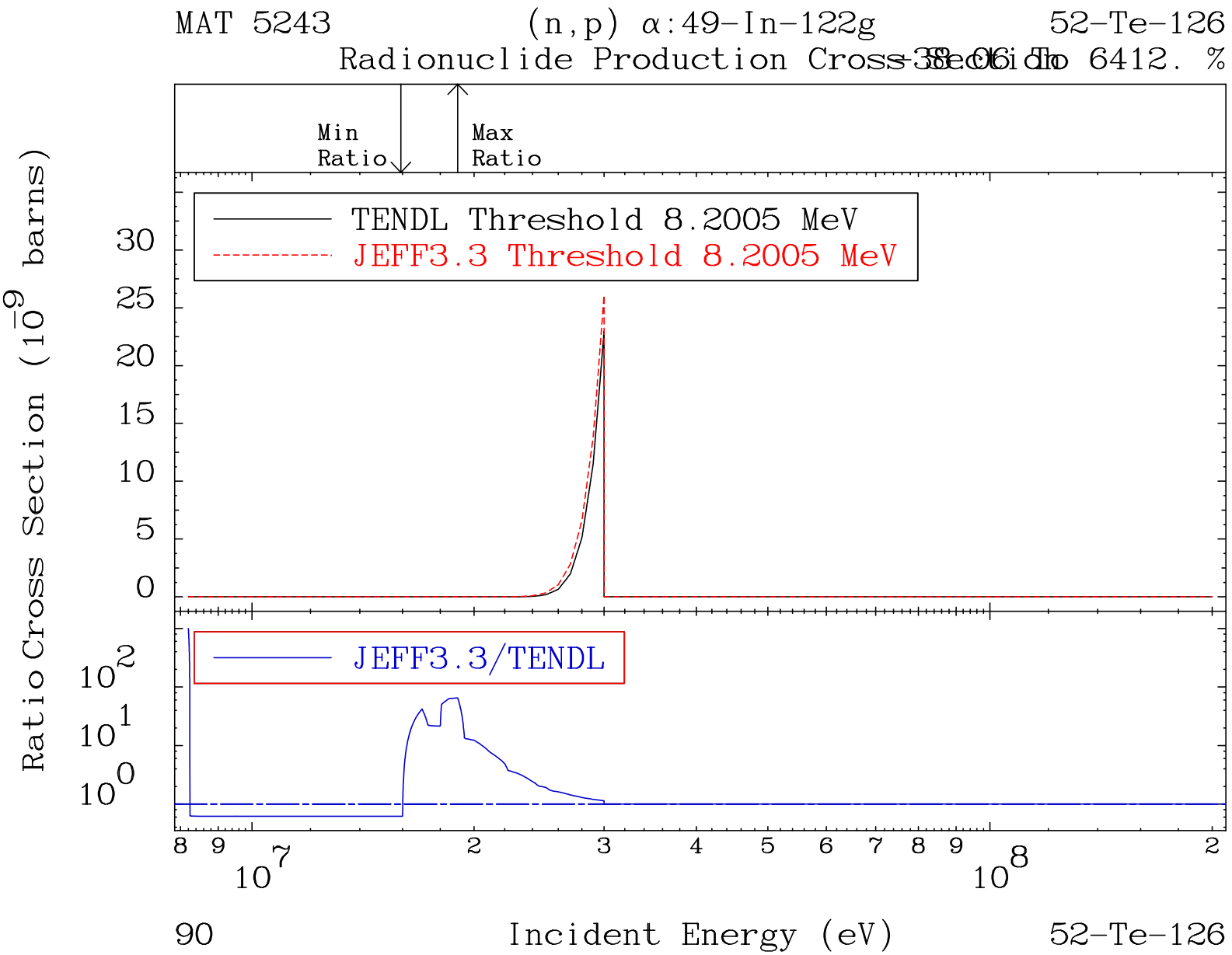

MAT 5243
(n,t):51-Sb-124m2
52-Te-126
Radionuclide Production Cross Section
0.000 To 16.29 %
Min Ratio
Max Ratio
TENDL Threshold 11.000 MeV
JEFF3.3 Threshold 11.000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.0
1.5
1.0
0.5
0.0
1.2
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
52-Te-126

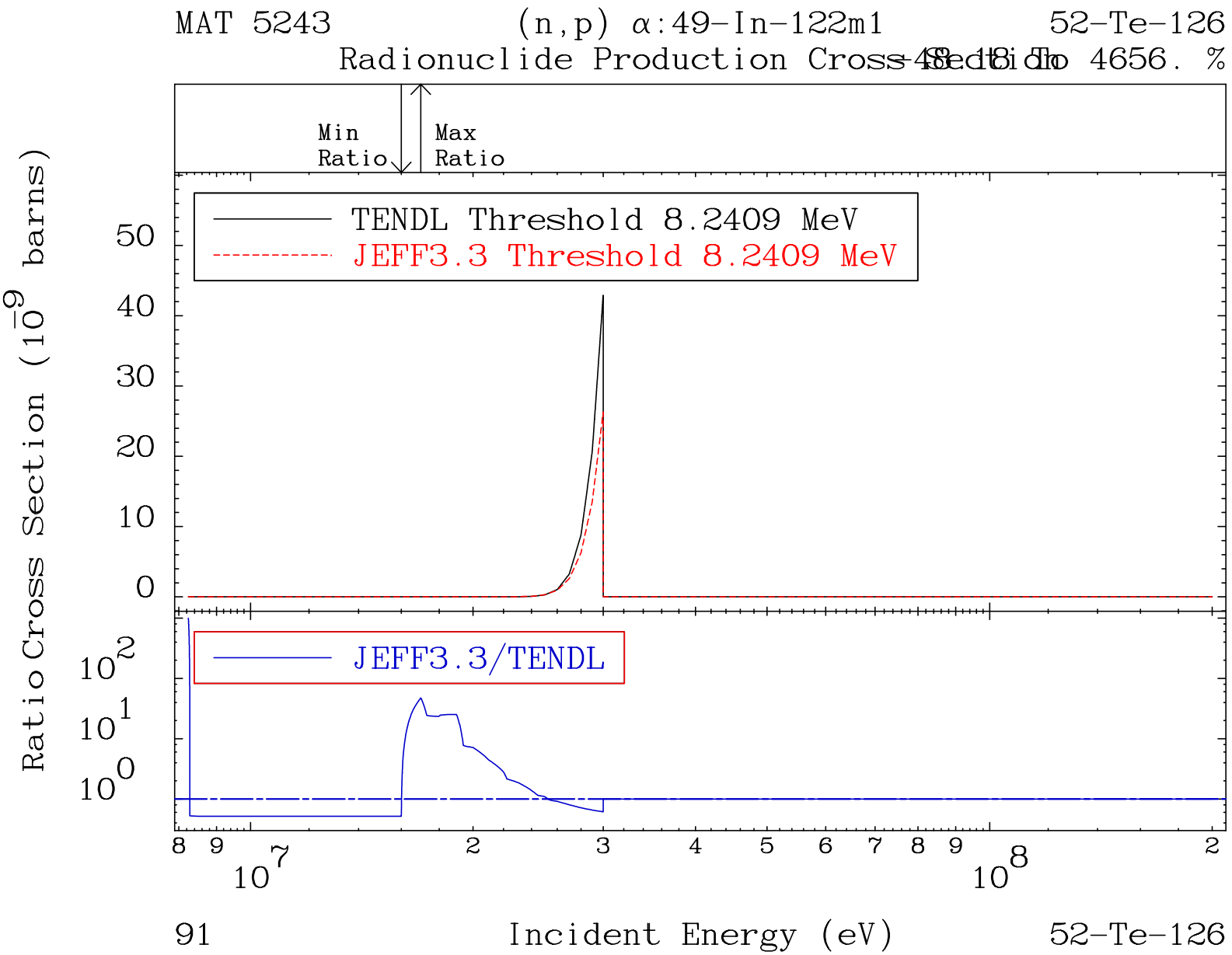

MAT 5243
(n,2α):48-Cd-119g
52-Te-126
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.8887 MeV
JEFF3.3 Threshold 2.8897 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
1.0
0.8
0.6
0.4
0.2
0.0
200
100
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
86
Incident Energy (eV)
52-Te-126

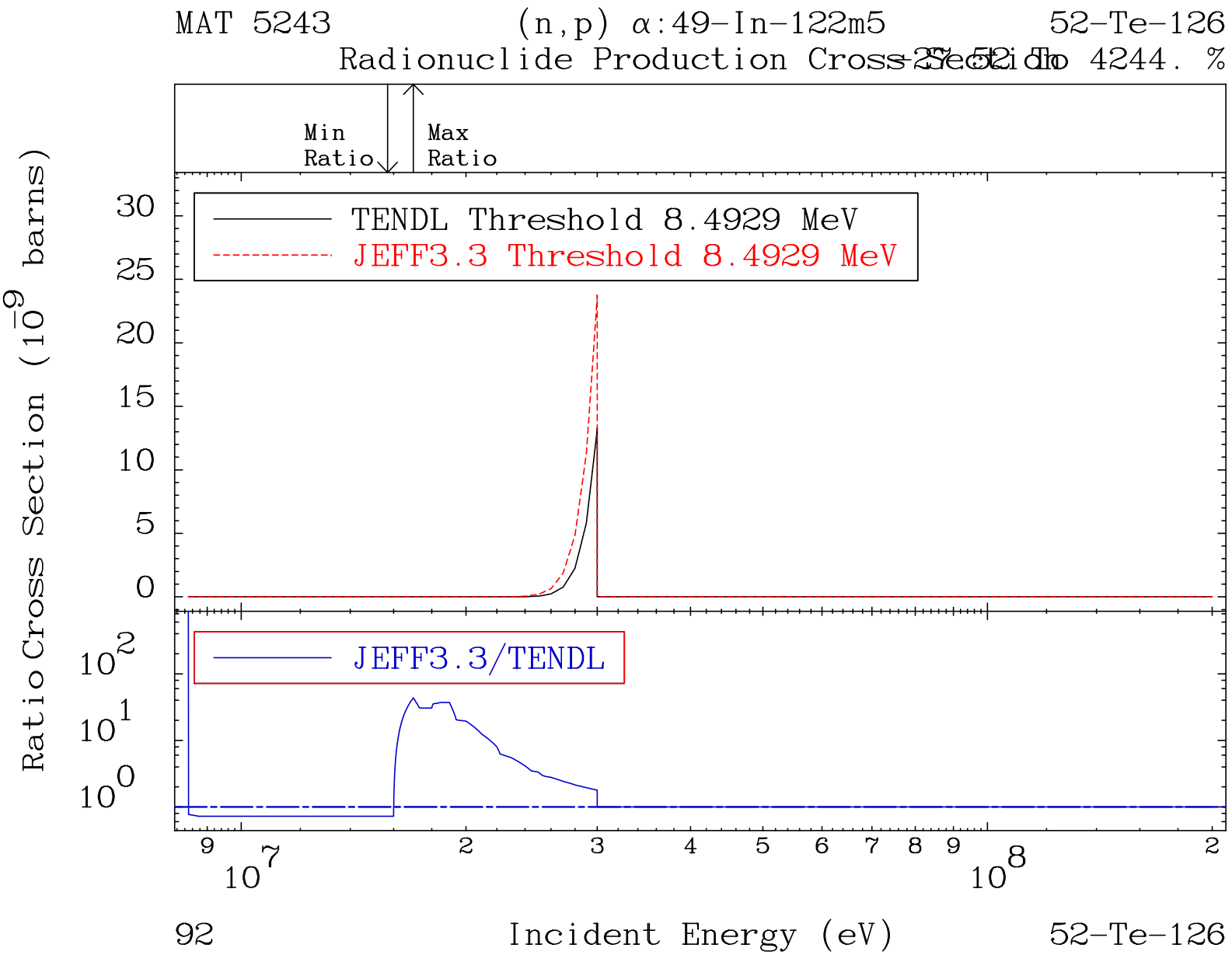

MAT 5243
(n,2α):48-Cd-119m2
52-Te-126
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 3.0364 MeV
JEFF3.3 Threshold 3.0374 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
1.6
1.2
0.8
0.4
0.0
200
100
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
87
Incident Energy (eV)
52-Te-126

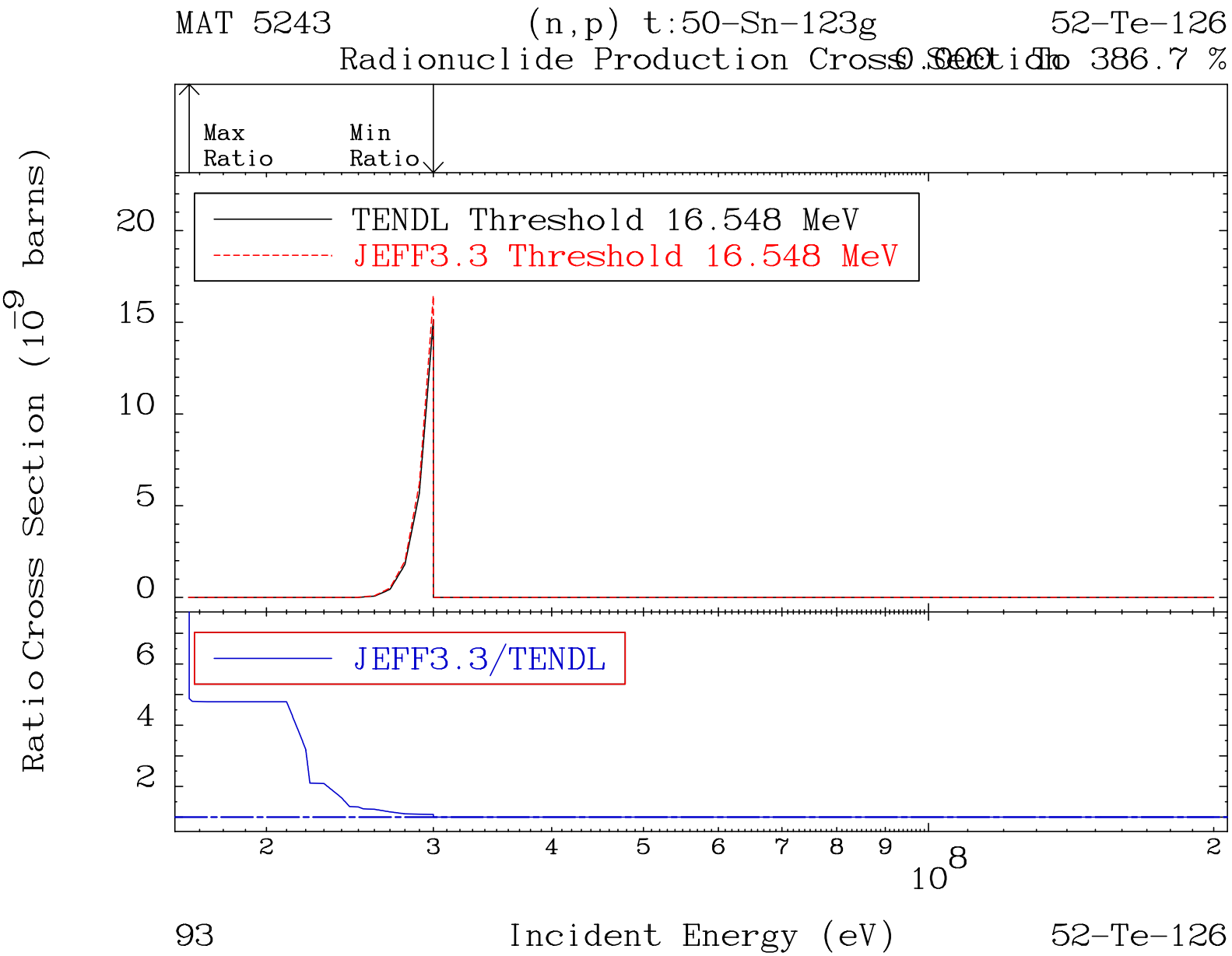

MAT 5243
(n,2p):50-Sn-125g
52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 10.763 MeV
JEFF3.3 Threshold 10.761 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
1.4
1.2
1.0
2
3
4
5
6
7
8
9
2
10^8
88
Incident Energy (eV)
52-Te-126

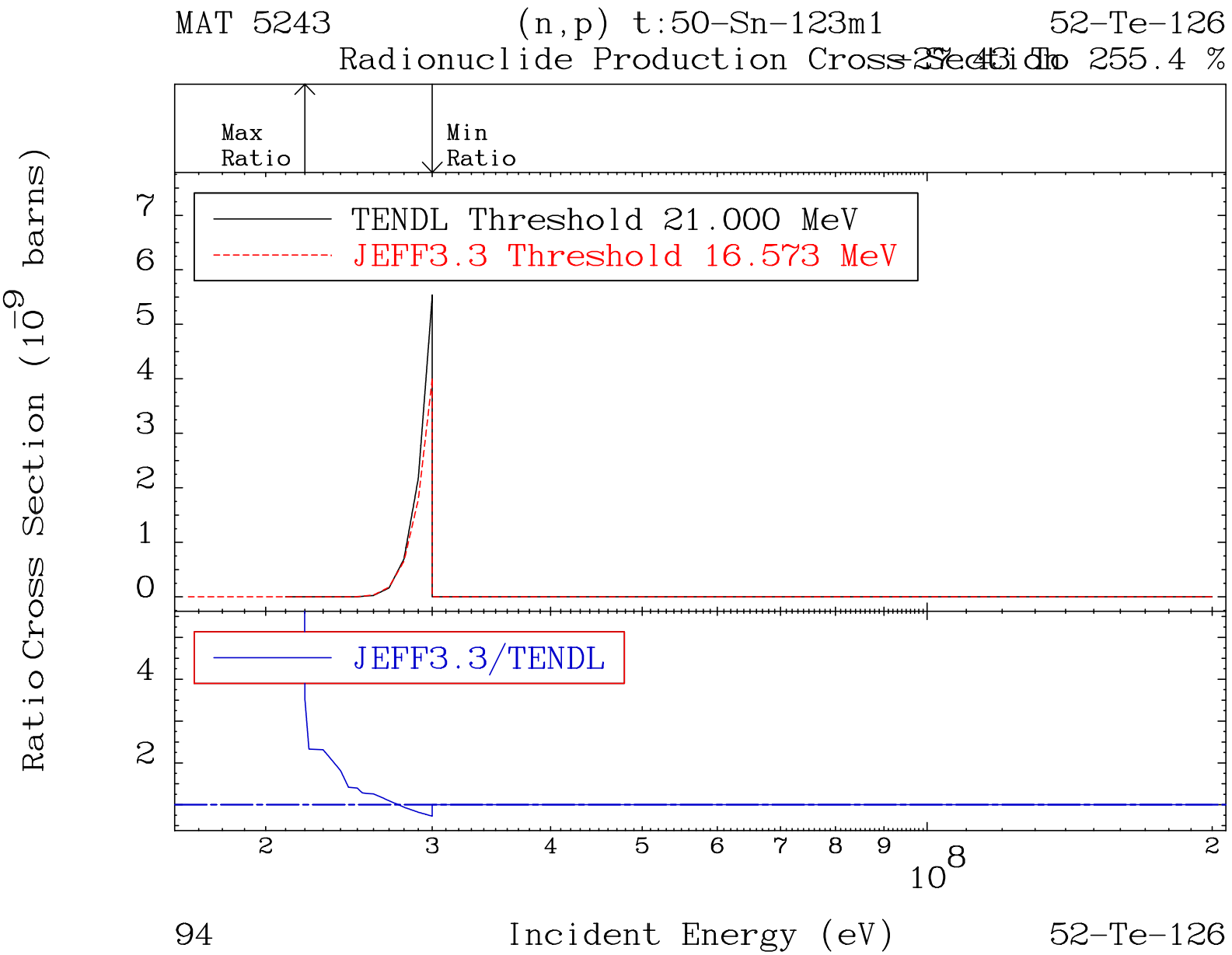

MAT 5243
(n,2p):50-Sn-125m1
52-Te-126
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 14.000 MeV
JEFF3.3 Threshold 14.000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
89
52-Te-126


MAT 5243
(n,p) α:49-In-122g
52-Te-126
Radionuclide Production Cross Section To 6412. %
Min Ratio
Max Ratio
TENDL Threshold 8.2005 MeV
JEFF3.3 Threshold 8.2005 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
90
52-Te-126


MAT 5243
(n,p) α:49-In-122m1
52-Te-126
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 8.2409 MeV
JEFF3.3 Threshold 8.2409 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
91
52-Te-126


MAT 5243
(n,p) α:49-In-122m5
52-Te-126
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 8.4929 MeV
JEFF3.3 Threshold 8.4929 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
92
52-Te-126


MAT 5243
(n,p) t:50-Sn-123g
52-Te-126
Radionuclide Production Cross Section
0.000 To 386.7 %
Max Ratio
Min Ratio
TENDL Threshold 16.548 MeV
JEFF3.3 Threshold 16.548 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
20
15
10
5
0
6
4
2
2
3
4
5
6
7
8
9
10^8
2
93
Incident Energy (eV)
52-Te-126


MAT 5243
(n,p) t:50-Sn-123m1
52-Te-126
Radionuclide Production Cross Section To 255.4 %
Max Ratio
Min Ratio
TENDL Threshold 21.000 MeV
JEFF3.3 Threshold 16.573 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (eV)
10^8
94
52-Te-126