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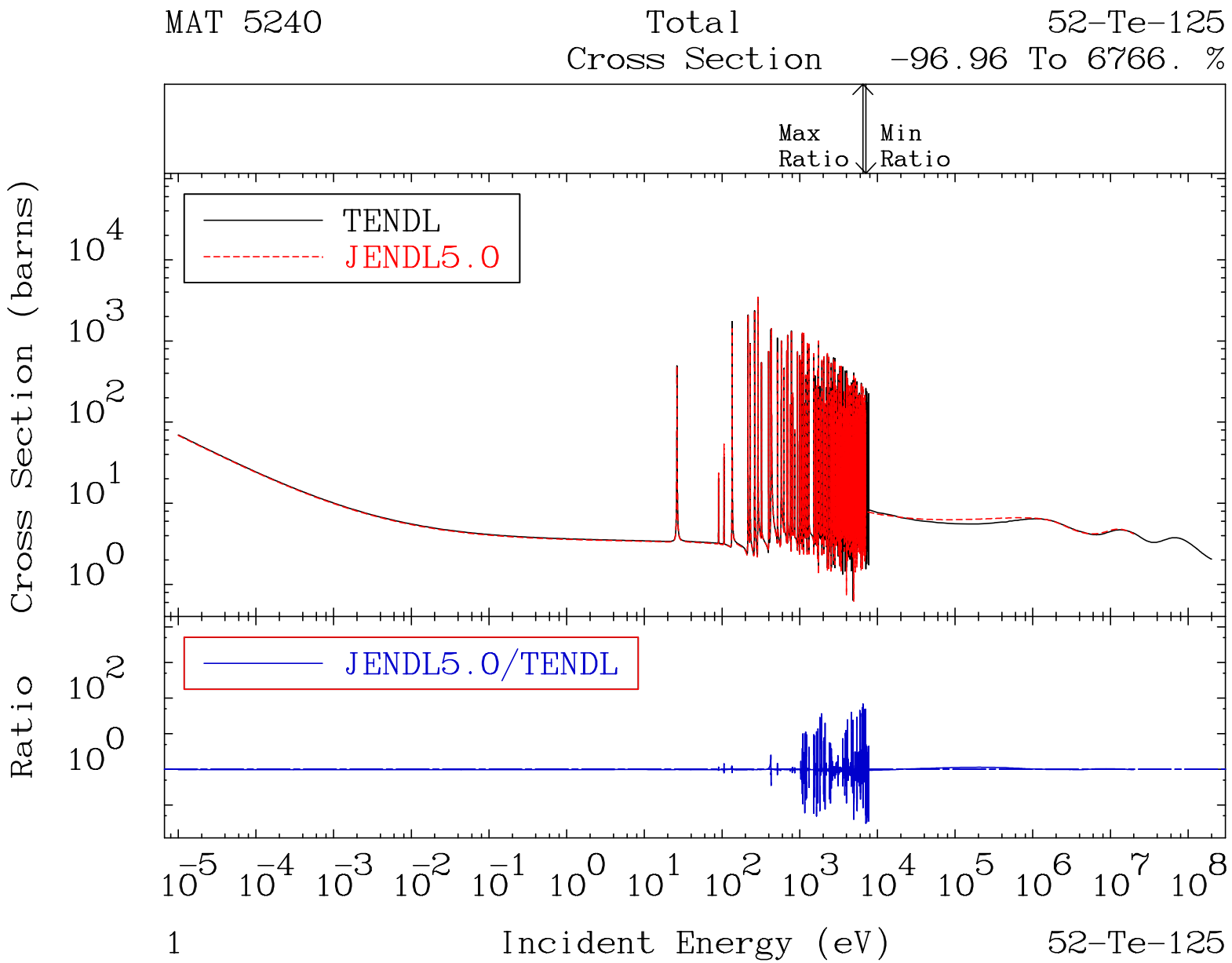
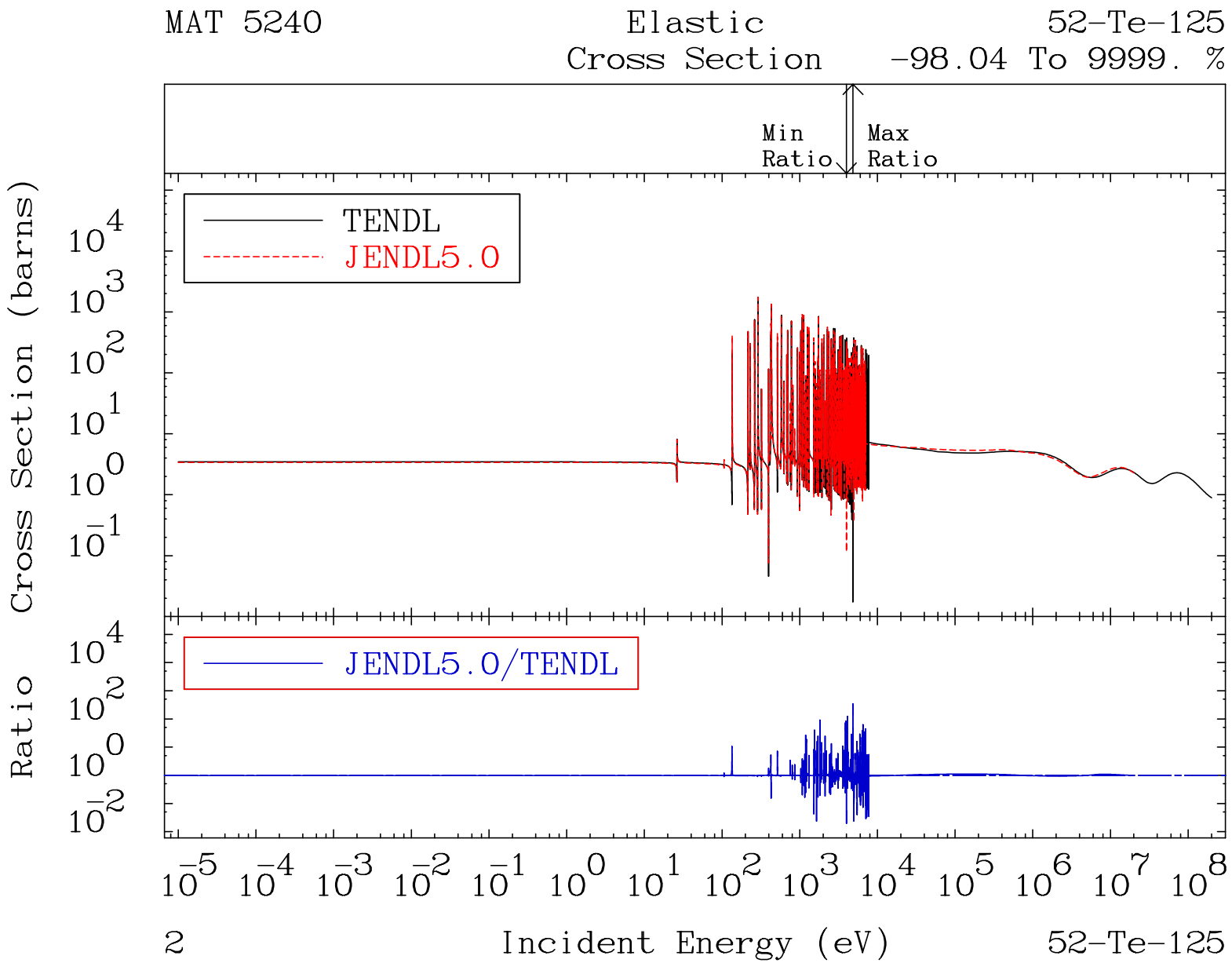
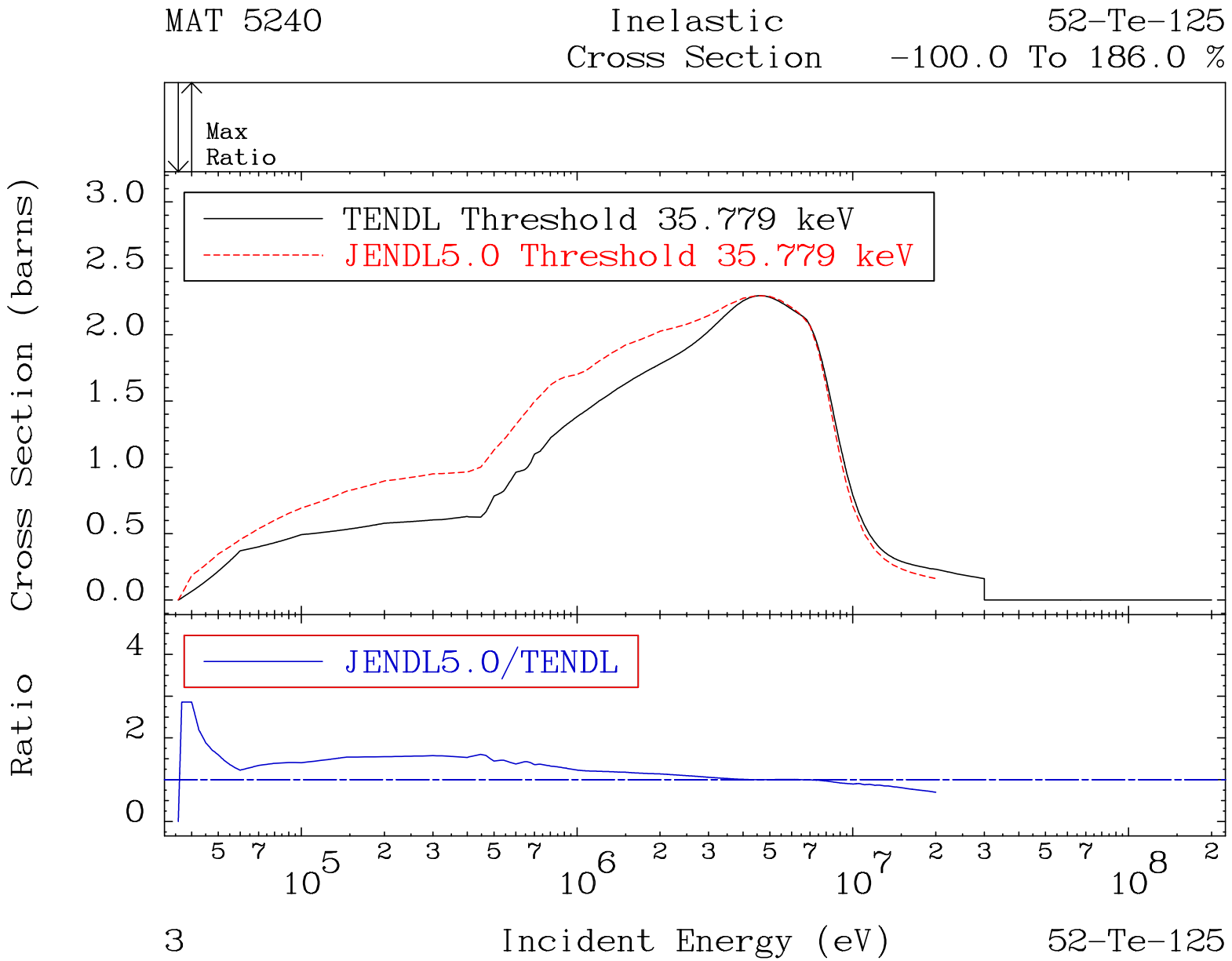
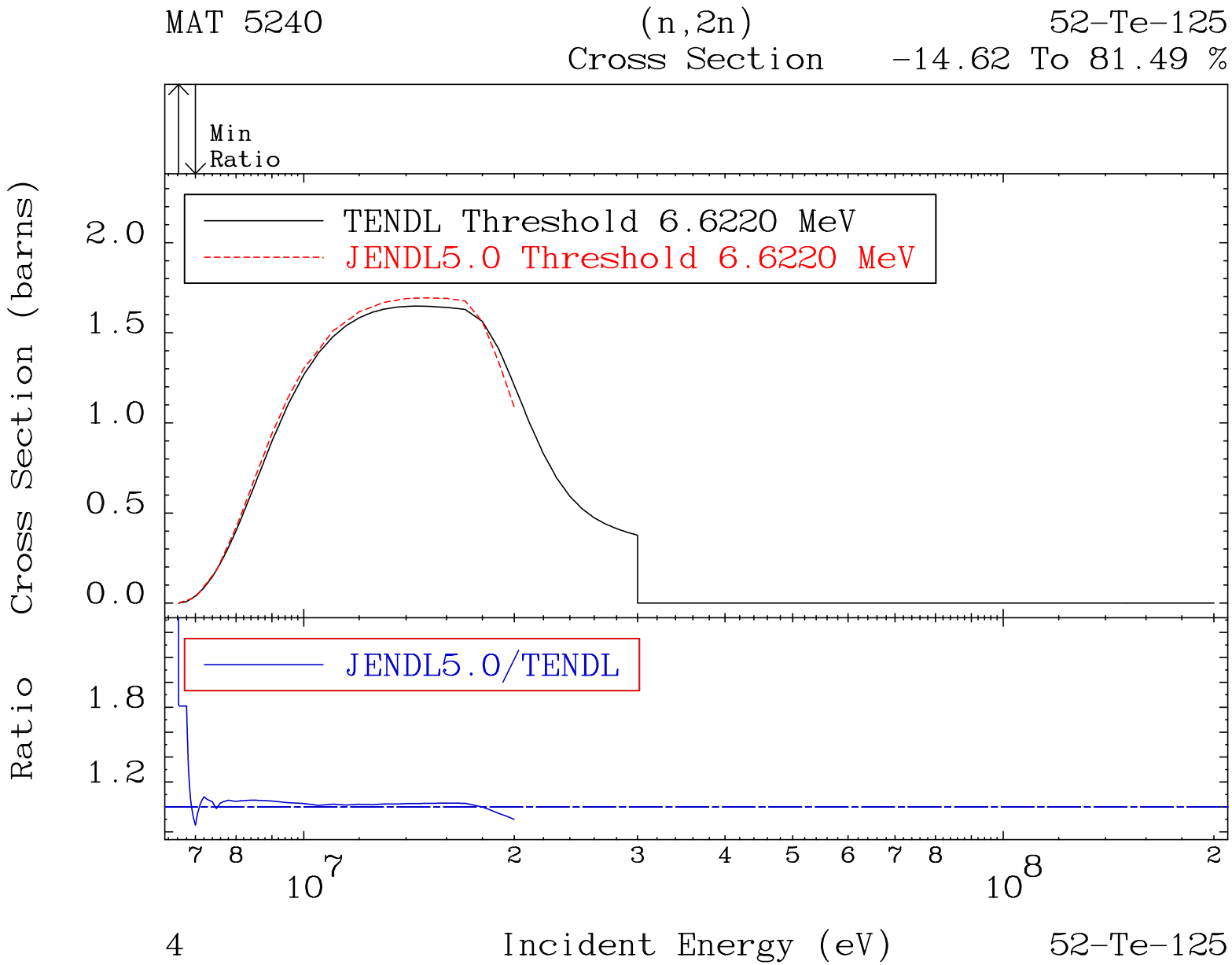
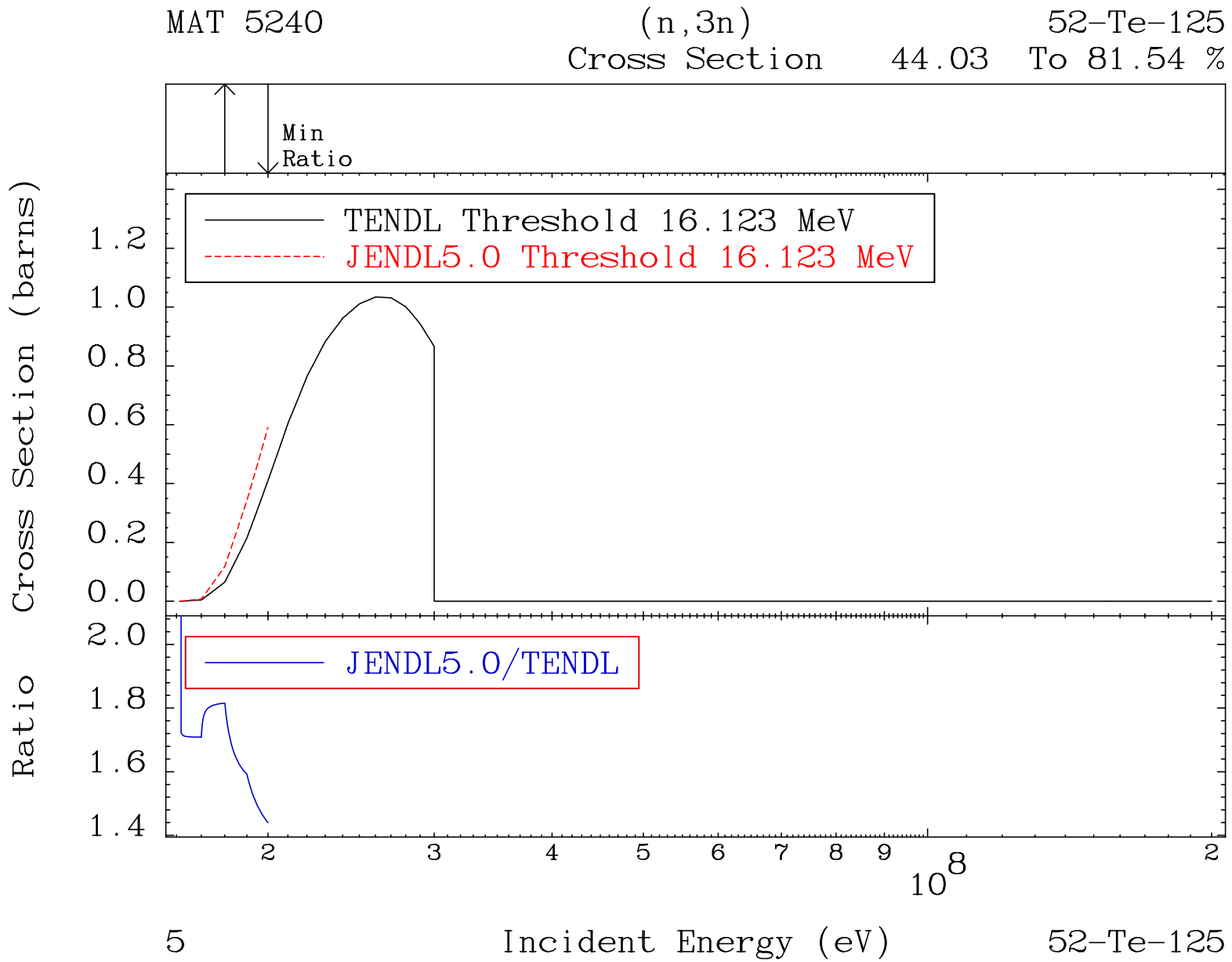
Press Mouse Button to Start

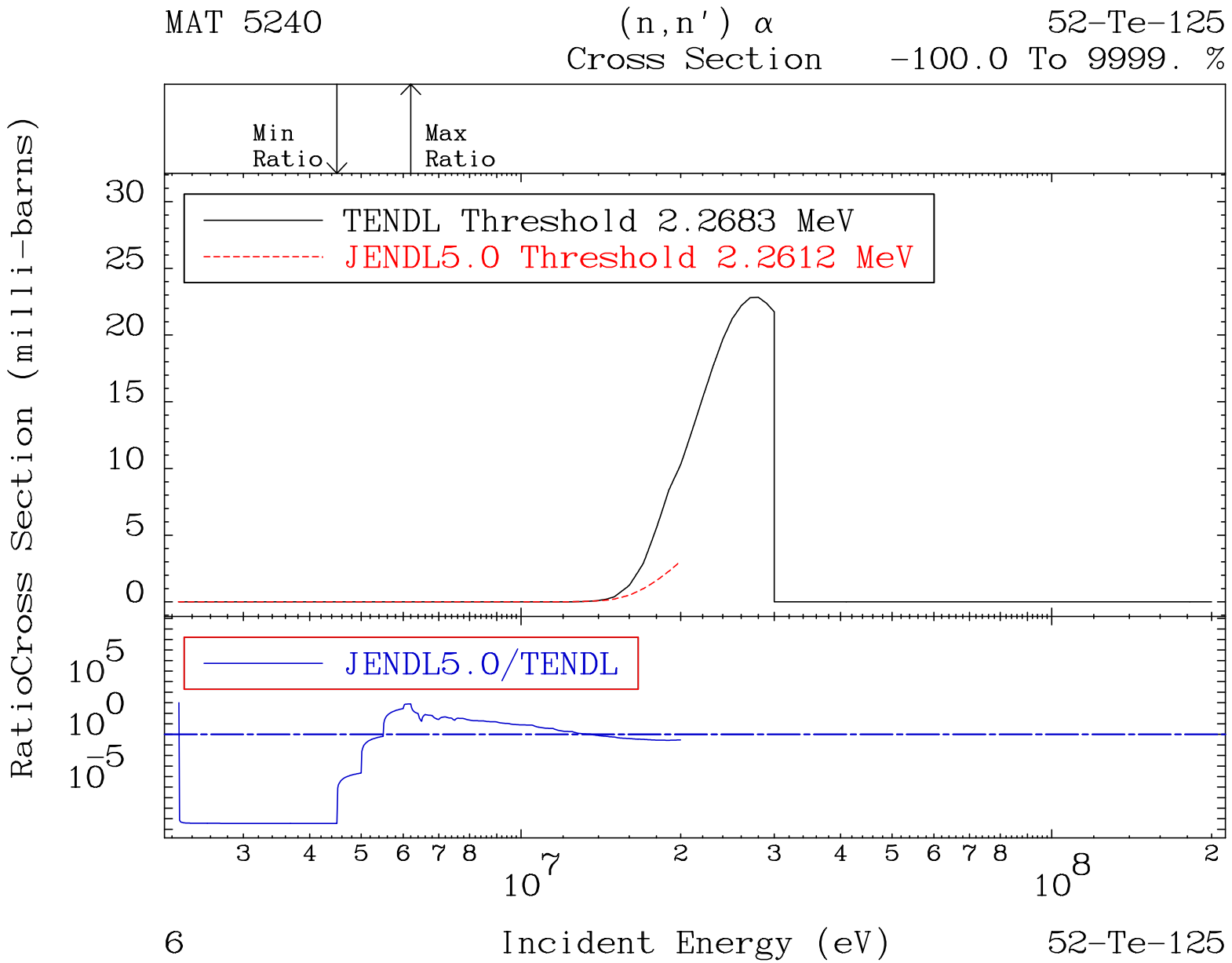

MAT 5240
Total
Cross Section
52-Te-125
-96.96 To 6766. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
52-Te-125

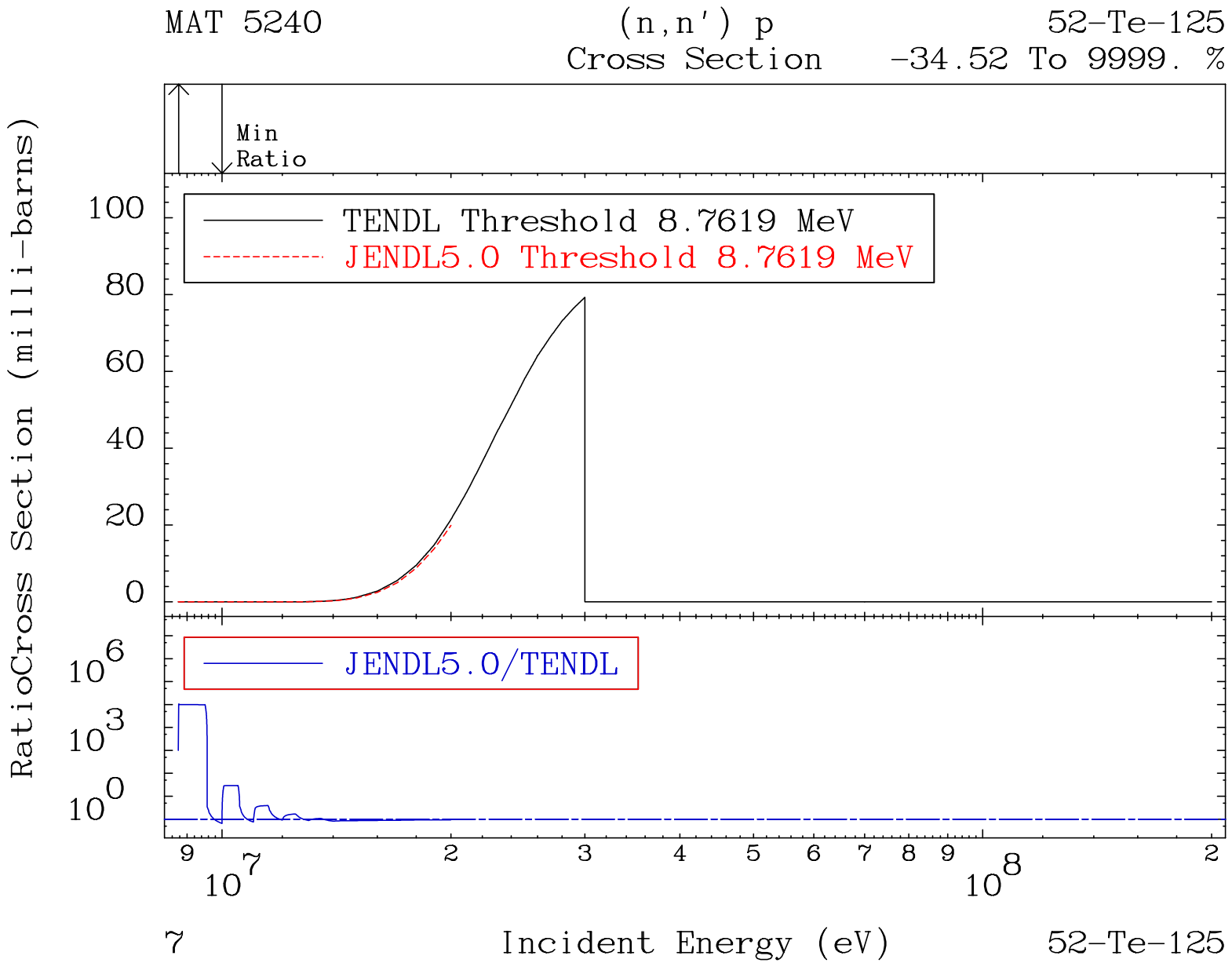

MAT 5240
Elastic
Cross Section
52-Te-125
-98.04 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
52-Te-125

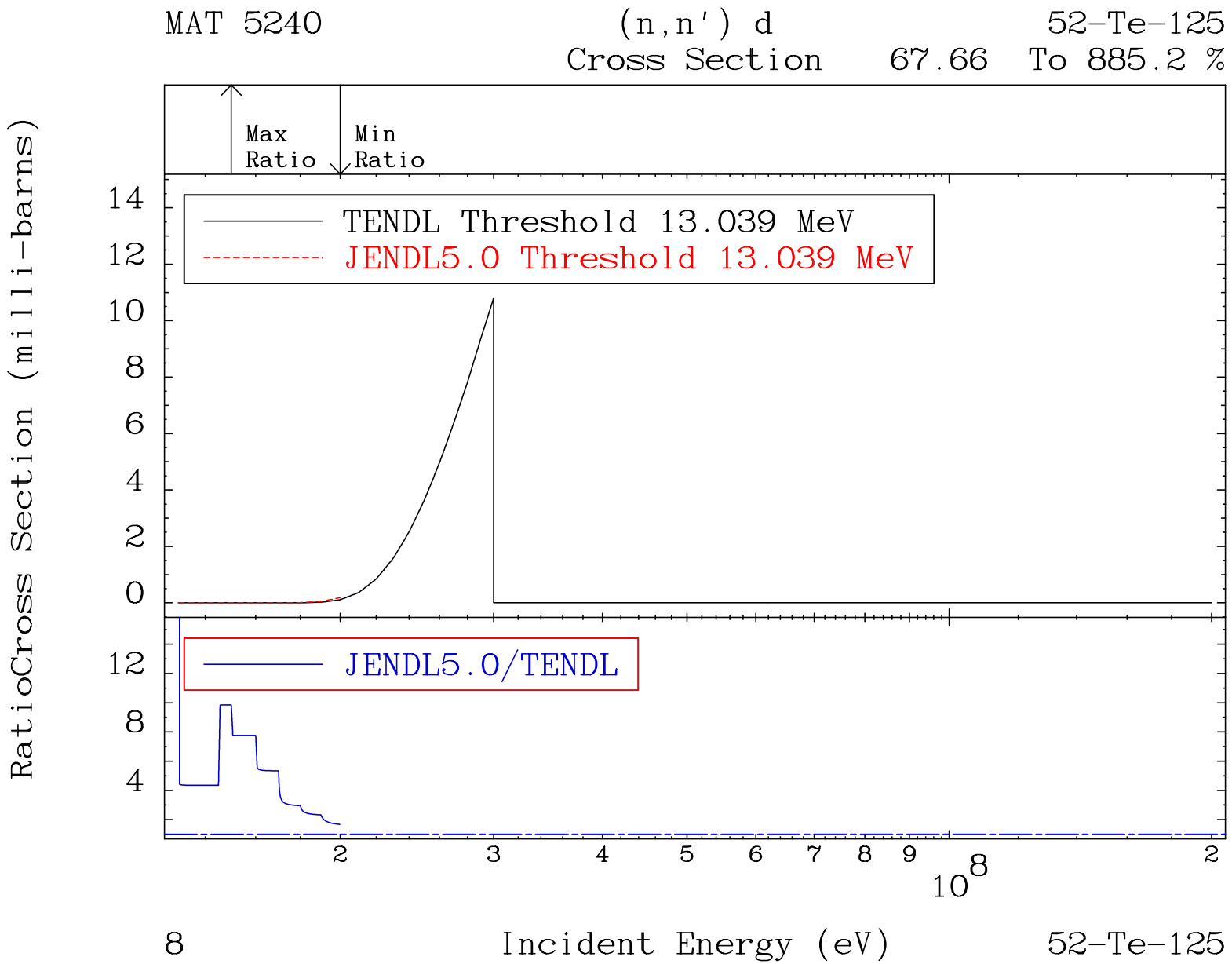

MAT 5240
Inelastic
Cross Section
52-Te-125
-100.0 To 186.0 %
Max
Ratio
TENDL Threshold 35.779 keV
JENDL5.0 Threshold 35.779 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
3
52-Te-125

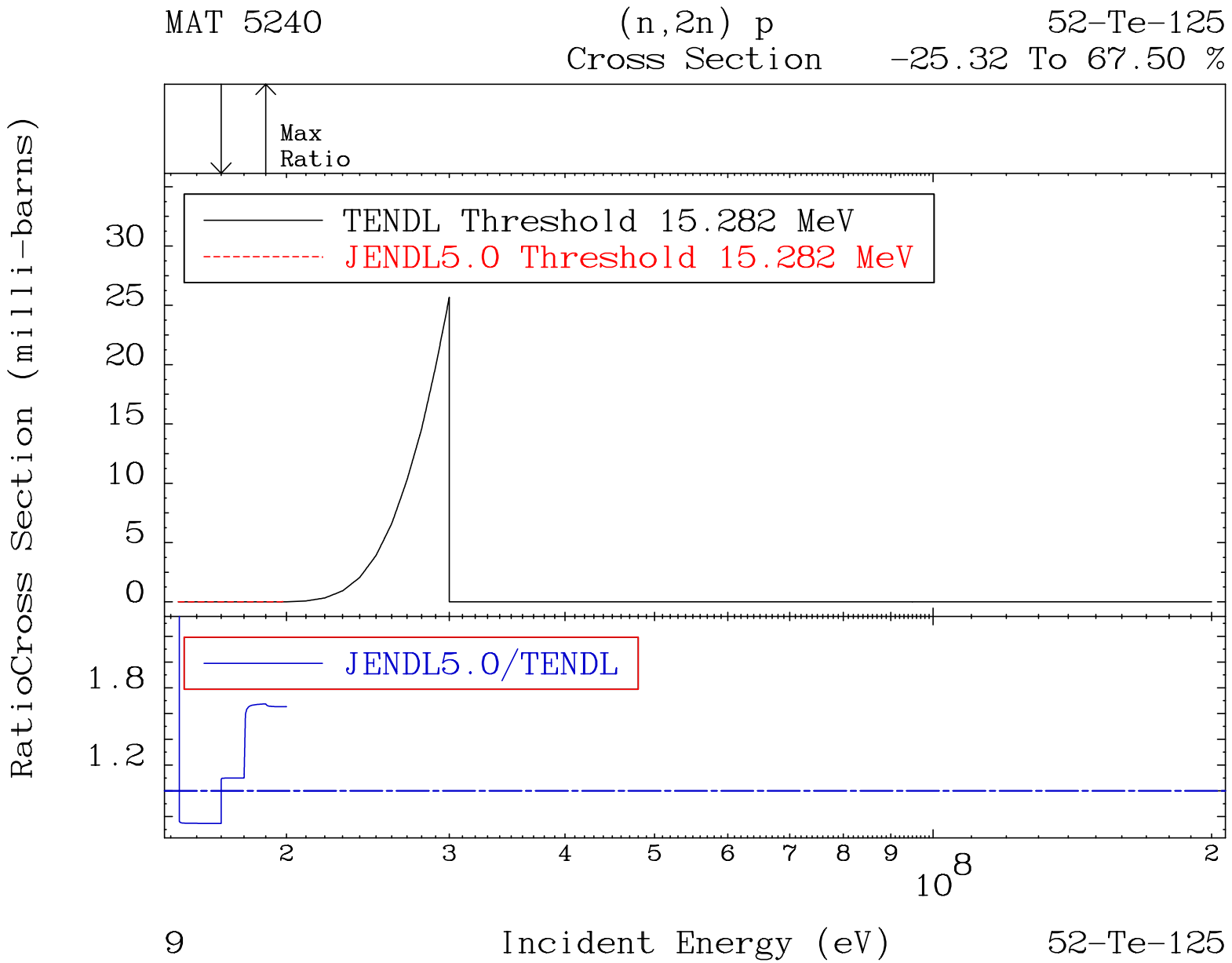

MAT 5240
(n,2n)
Cross Section
52-Te-125
-14.62 To 81.49 %
Min
Ratio
TENDL Threshold 6.6220 MeV
JENDL5.0 Threshold 6.6220 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.8
1.2
7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
4
52-Te-125

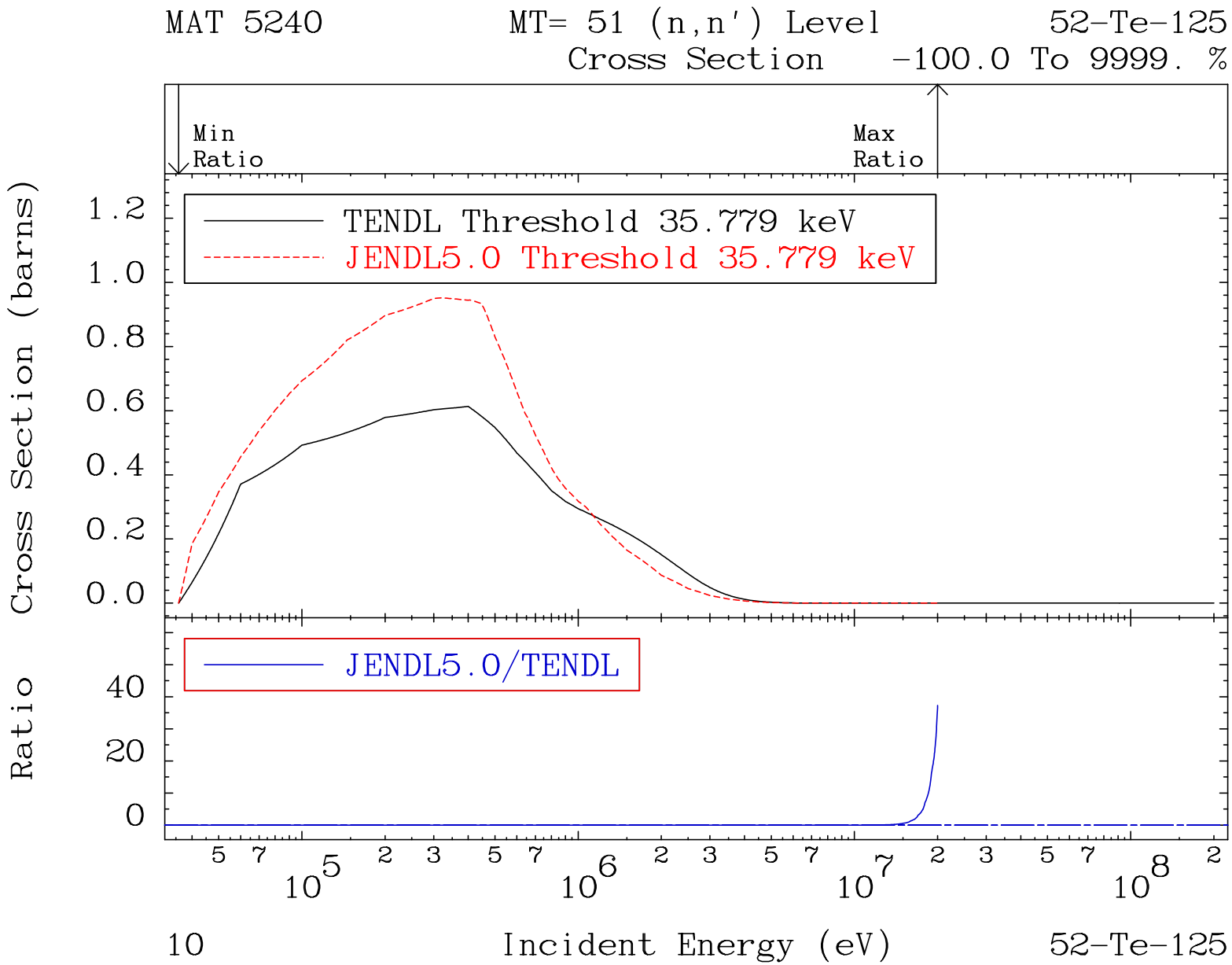

MAT 5240
(n,3n)
52-Te-125
Cross Section
44.03
To 81.54 %
Min
Ratio
TENDL Threshold 16.123 MeV
JENDL5.0 Threshold 16.123 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.2
1.0
0.8
0.6
0.4
0.2
0.0
2.0
1.8
1.6
1.4
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
52-Te-125

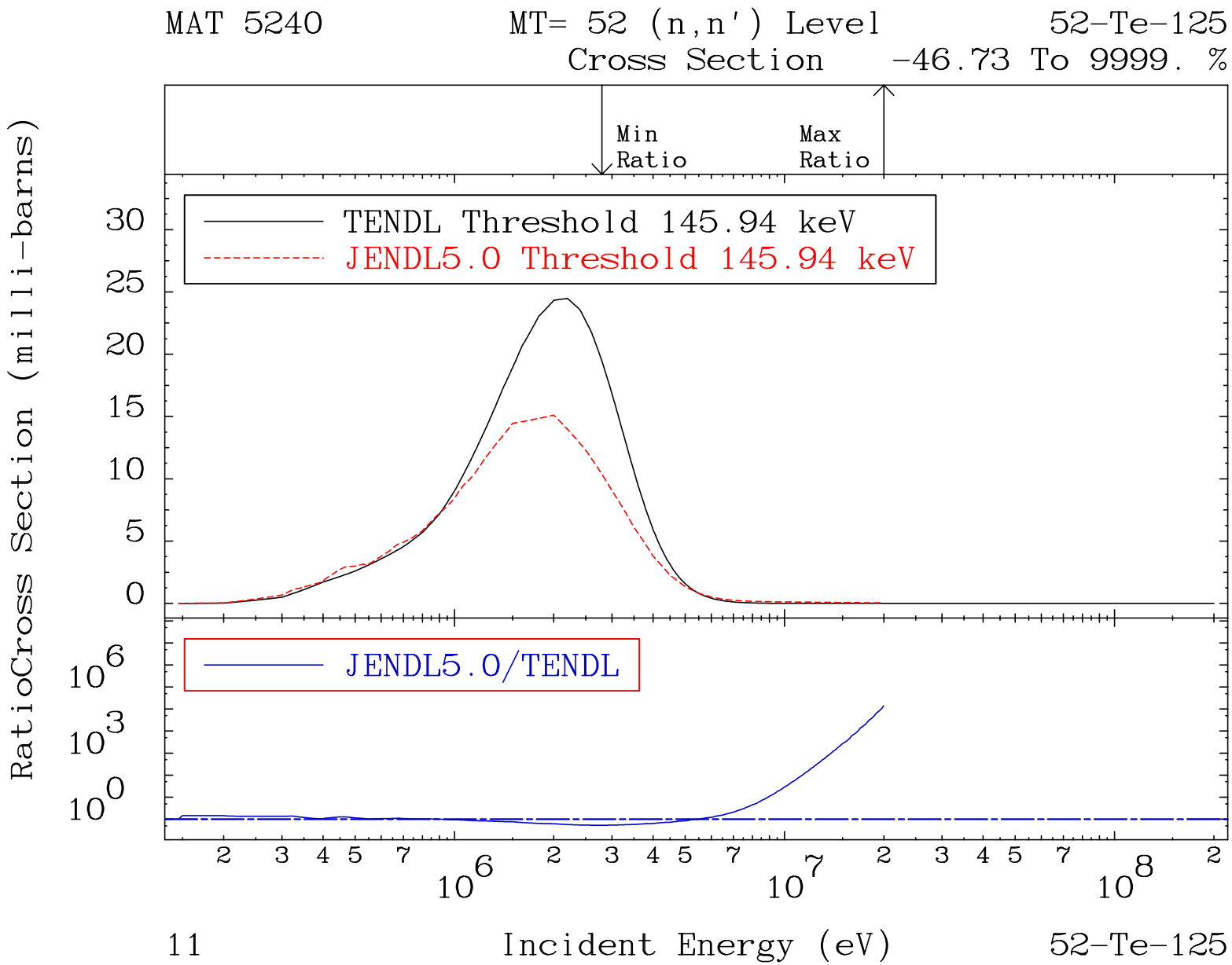

MAT 5240
(n,n') α
Cross Section
52-Te-125
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.2683 MeV
JENDL5.0 Threshold 2.2612 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
6
52-Te-125

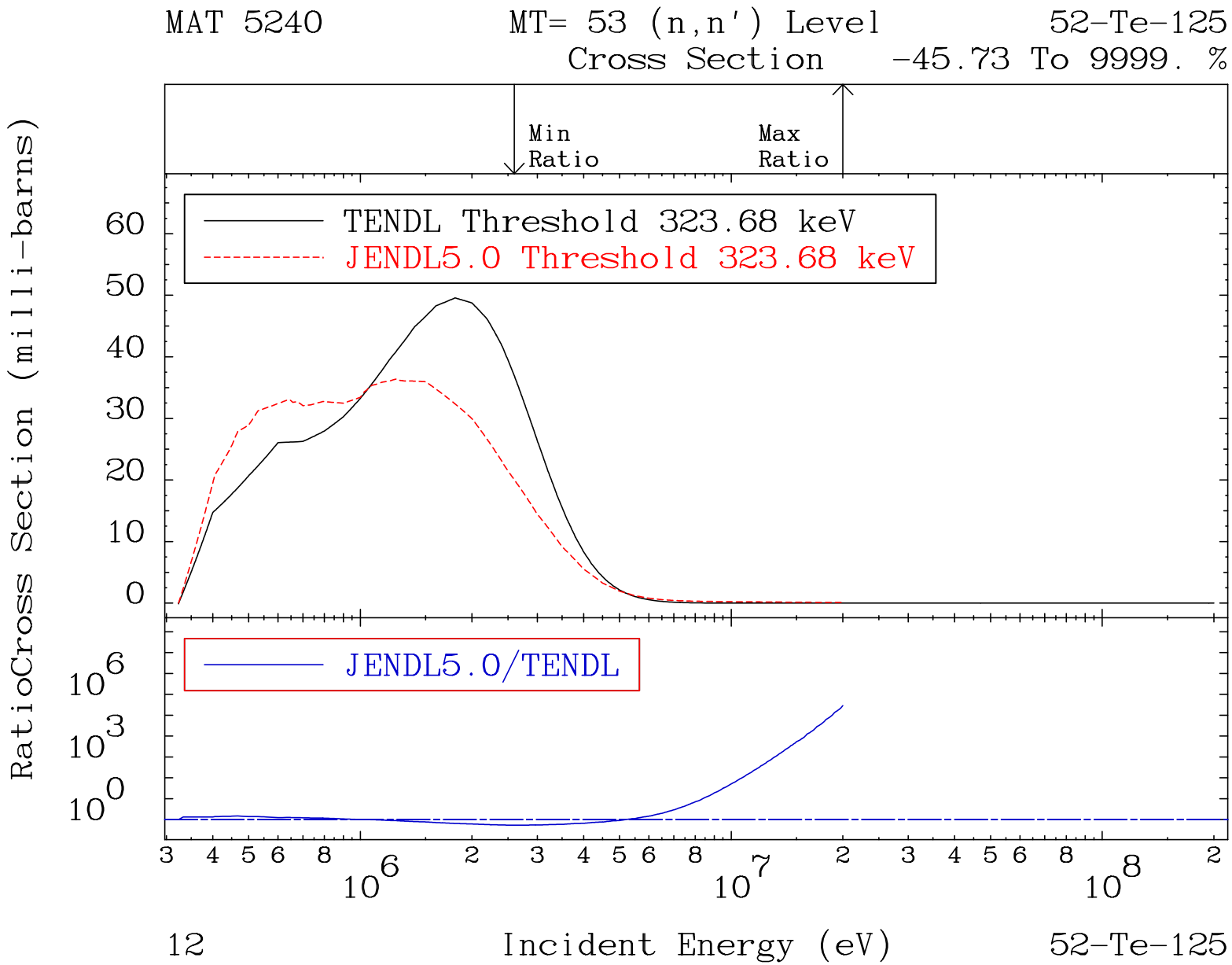

MAT 5240
(n,n') p
Cross Section
52-Te-125
-34.52 To 9999. %
Min
Ratio
TENDL Threshold 8.7619 MeV
JENDL5.0 Threshold 8.7619 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^6
10^3
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
52-Te-125

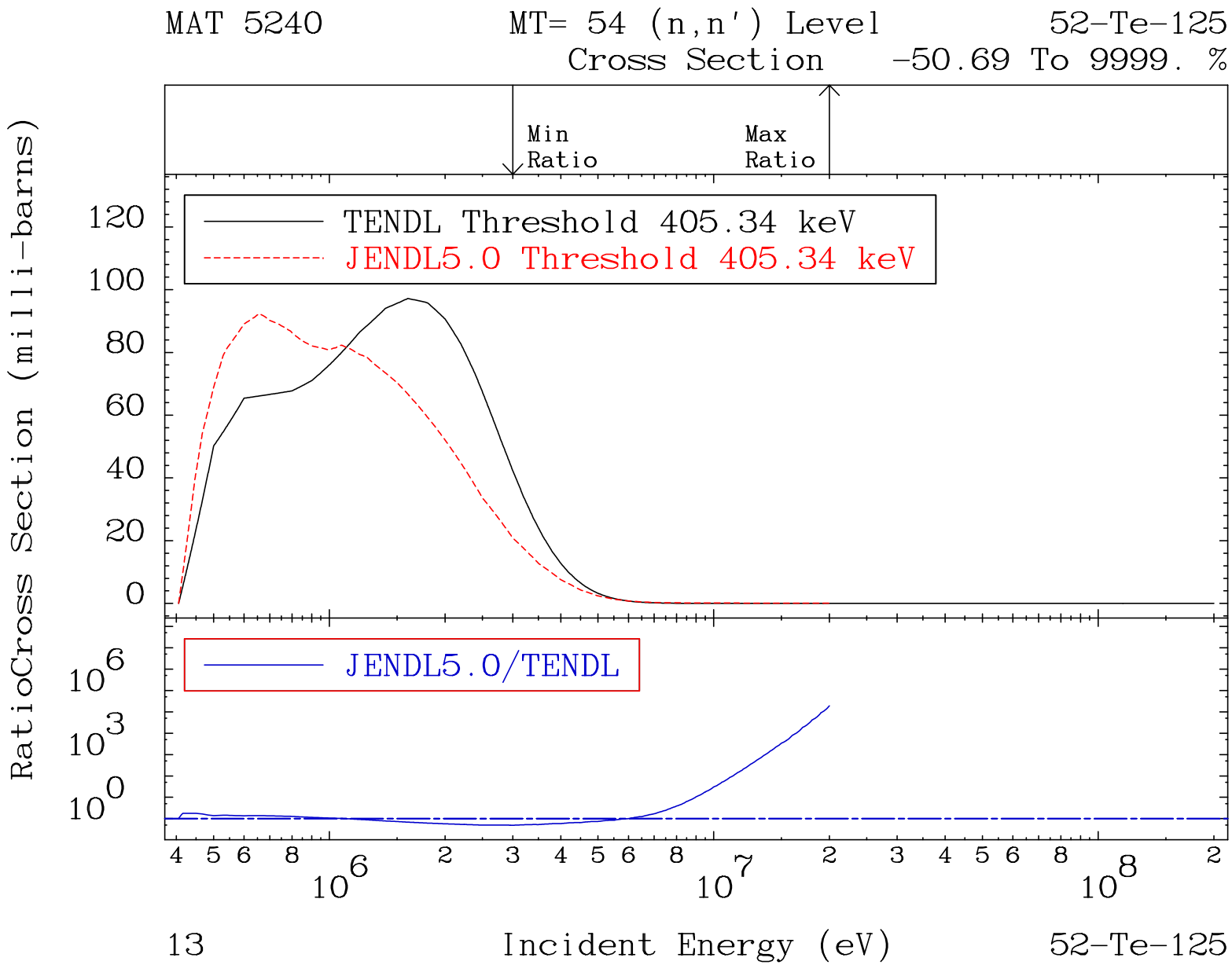

MAT 5240
(n,n') d
Cross Section
52-Te-125
67.66 To 885.2 %
Max Ratio
Min Ratio
TENDL Threshold 13.039 MeV
JENDL5.0 Threshold 13.039 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
8
52-Te-125

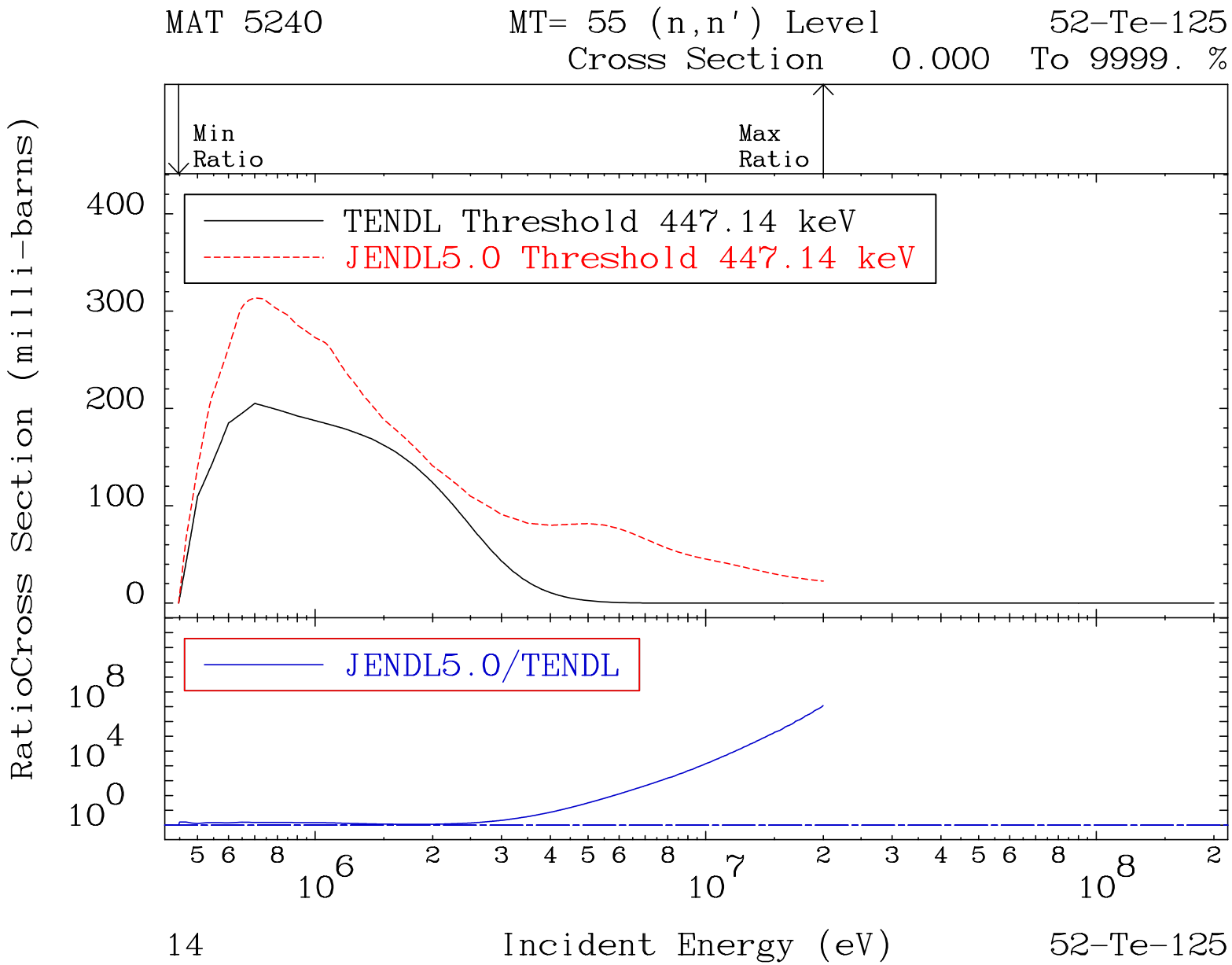

MAT 5240
(n,2n) p
Cross Section
52-Te-125
-25.32 To 67.50 %
Max
Ratio
TENDL Threshold 15.282 MeV
JENDL5.0 Threshold 15.282 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
1.8
1.2
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
52-Te-125

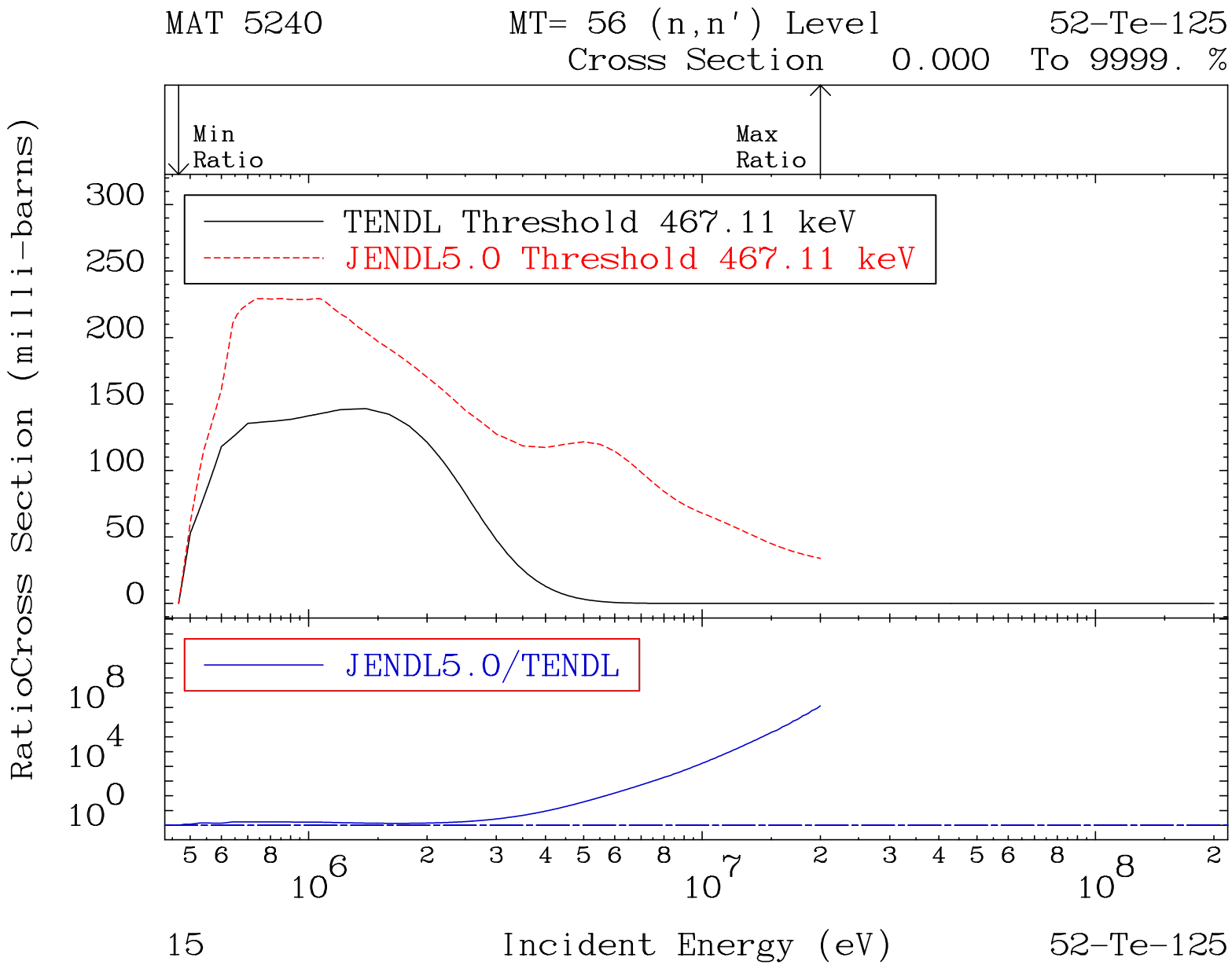

MAT 5240
MT= 51 (n,n') Level
52-Te-125
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 35.779 keV
JENDL5.0 Threshold 35.779 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52-Te-125

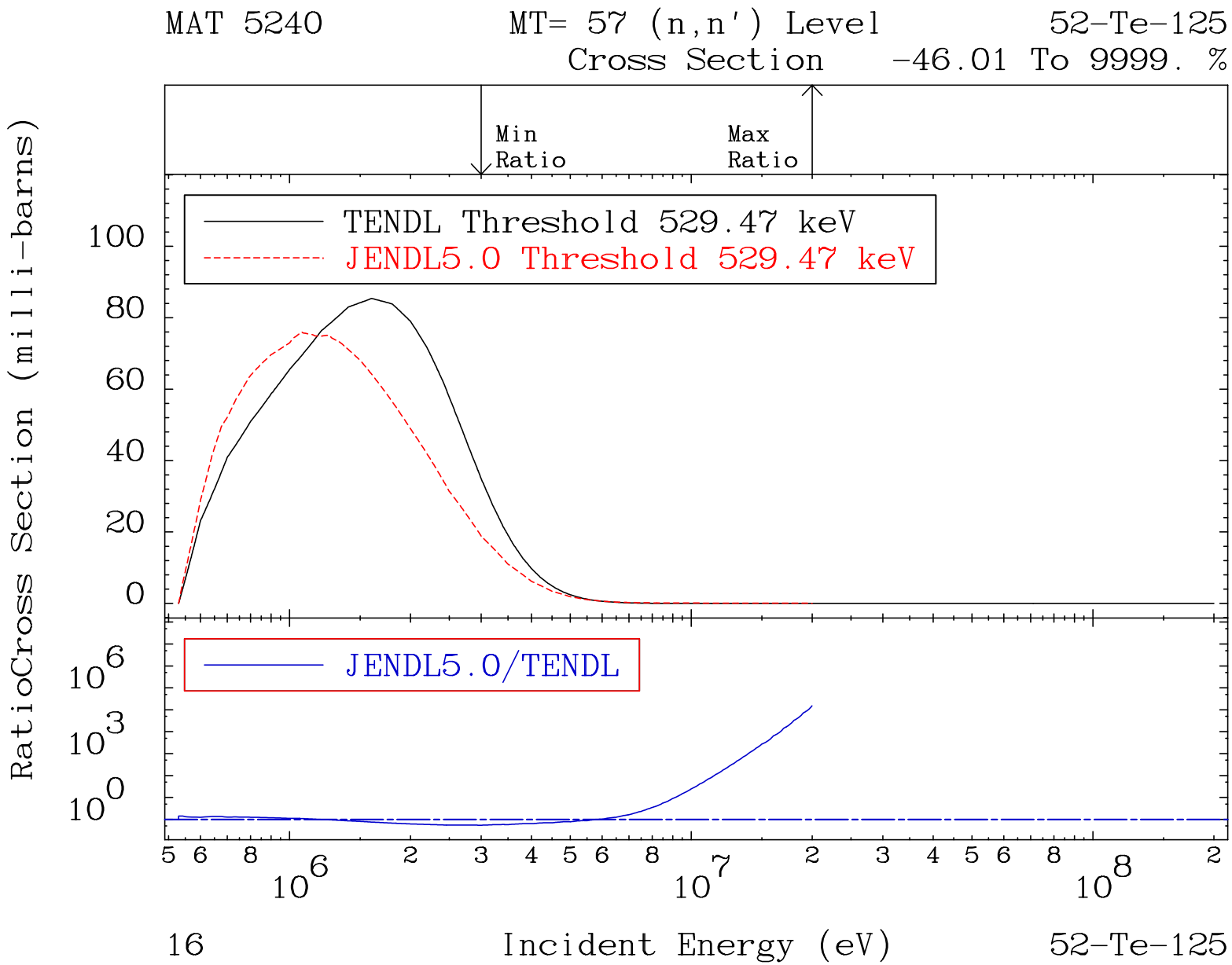

MAT 5240
MT= 52 (n,n') Level
52-Te-125
Cross Section
-46.73 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 145.94 keV
JENDL5.0 Threshold 145.94 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
11
52-Te-125

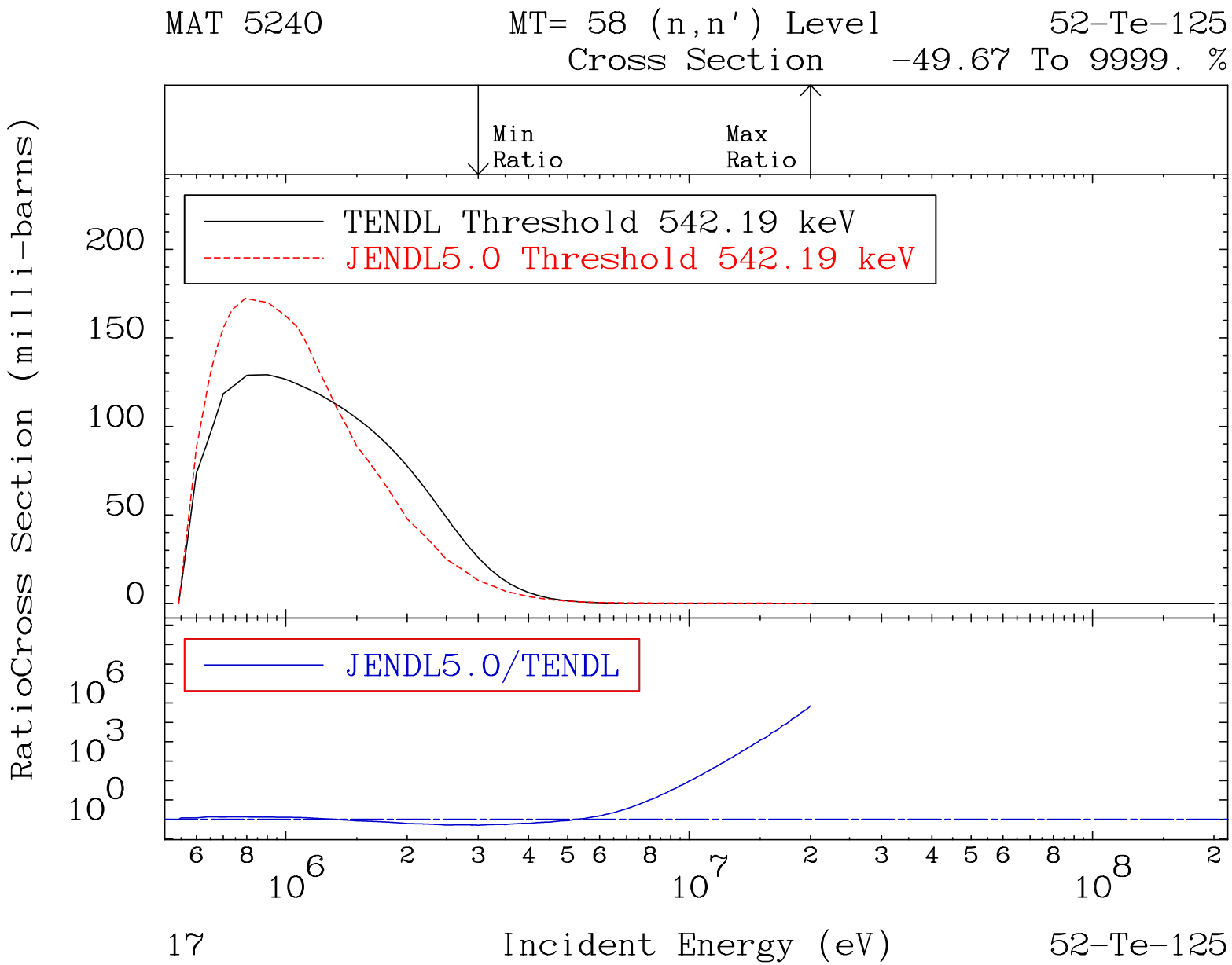

MAT 5240
MT= 53 (n,n') Level
52-Te-125
Cross Section
-45.73 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 323.68 keV
JENDL5.0 Threshold 323.68 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
12
52-Te-125

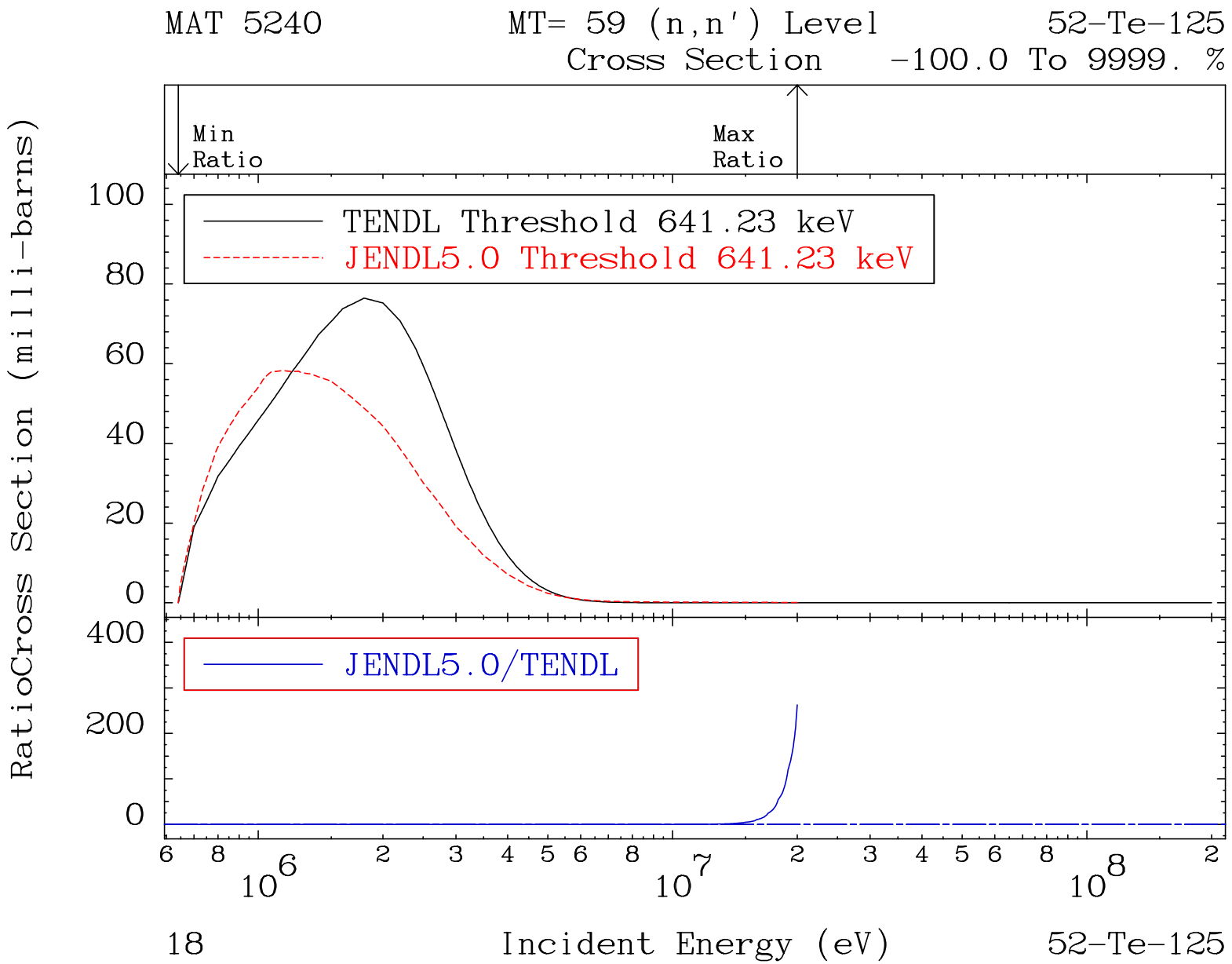

MAT 5240
MT= 54 (n,n') Level
52-Te-125
Cross Section
-50.69 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 405.34 keV
JENDL5.0 Threshold 405.34 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
13
52-Te-125

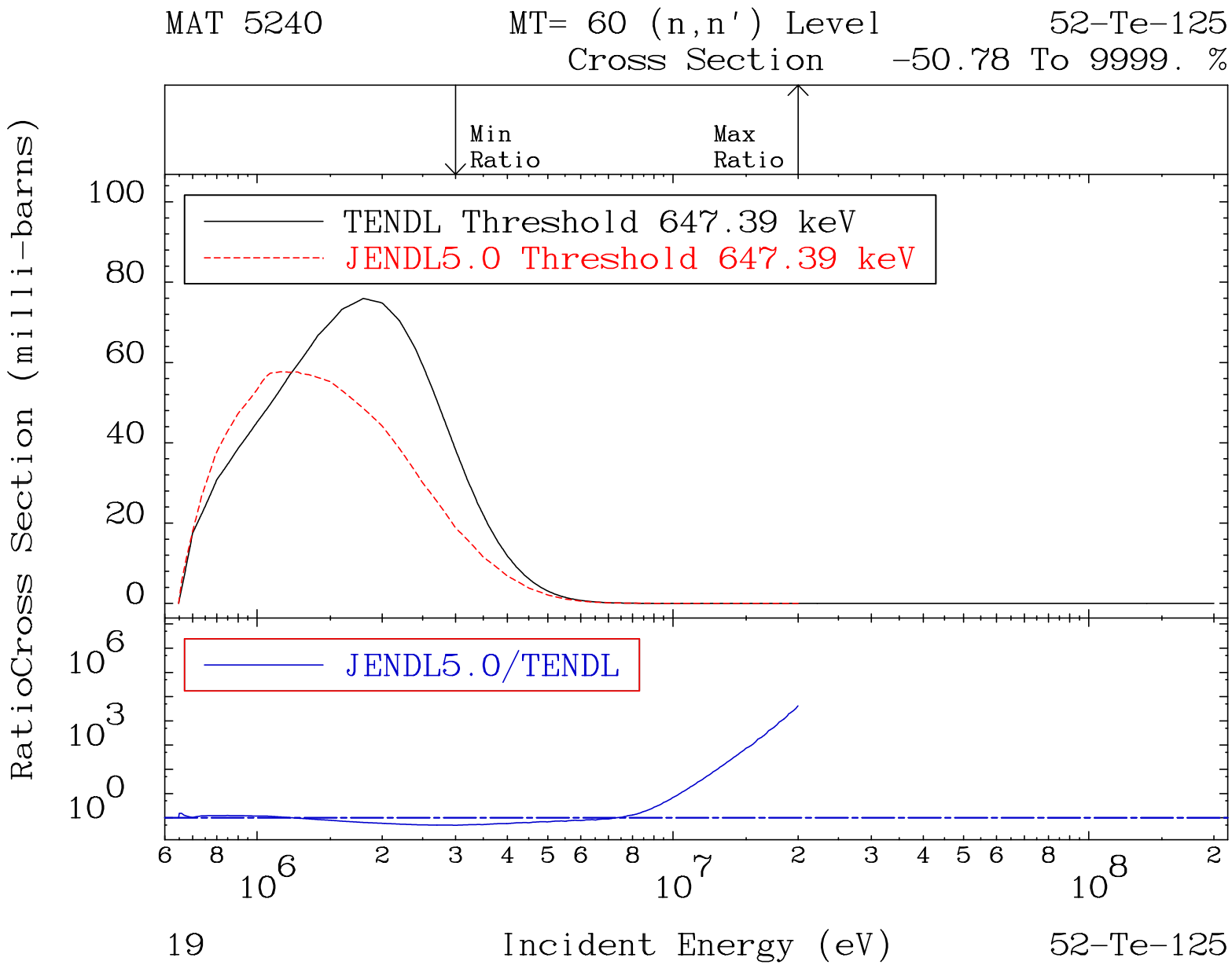

MAT 5240
MT= 55 (n,n') Level
52-Te-125
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 447.14 keV
JENDL5.0 Threshold 447.14 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
10^8
10^4
10^0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
14
Incident Energy (eV)
52-Te-125

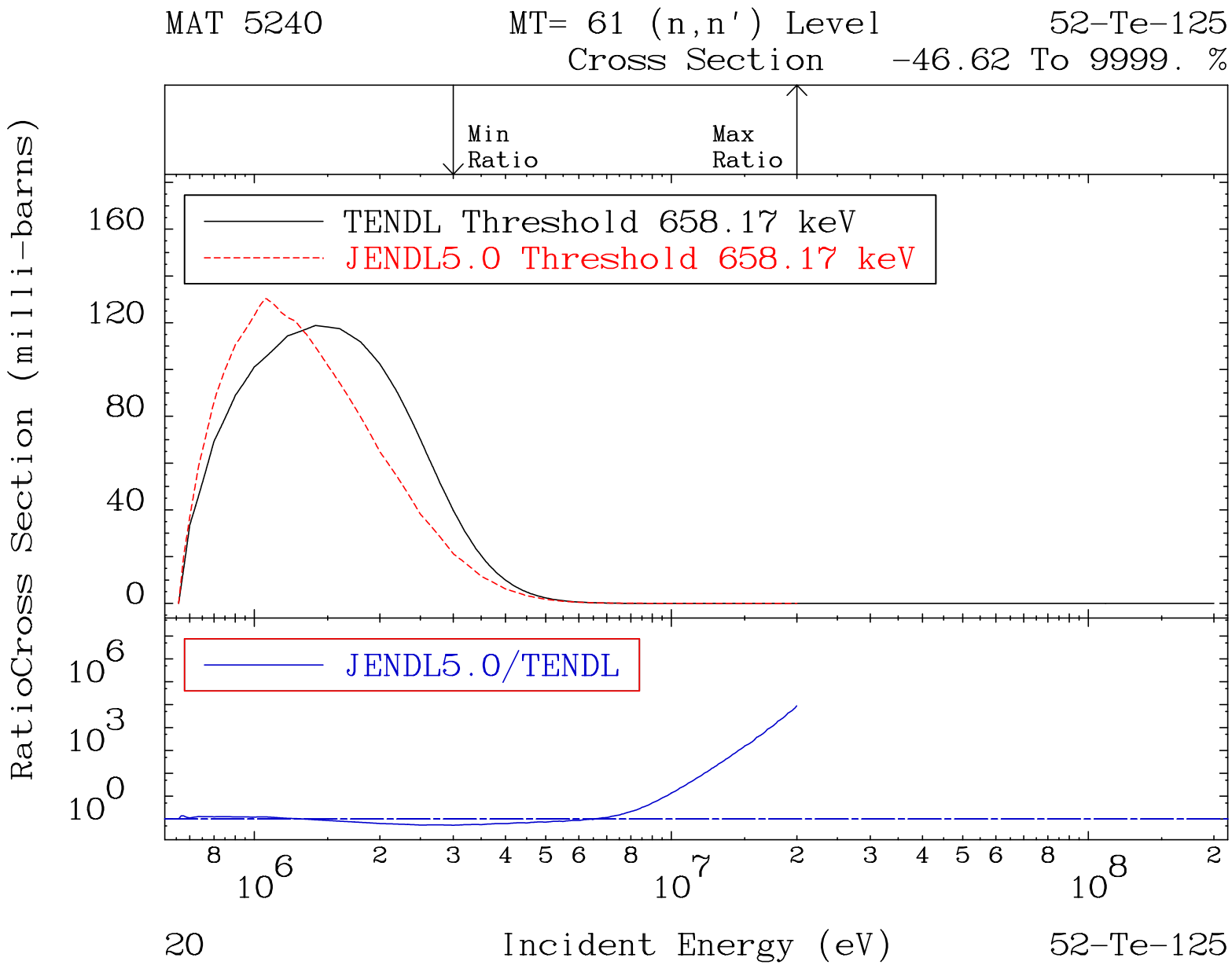

MAT 5240
MT= 56 (n,n') Level
52-Te-125
Cross Section 0.000 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 467.11 keV
JENDL5.0 Threshold 467.11 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
10^8
10^4
10^0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
15
Incident Energy (eV)
52-Te-125

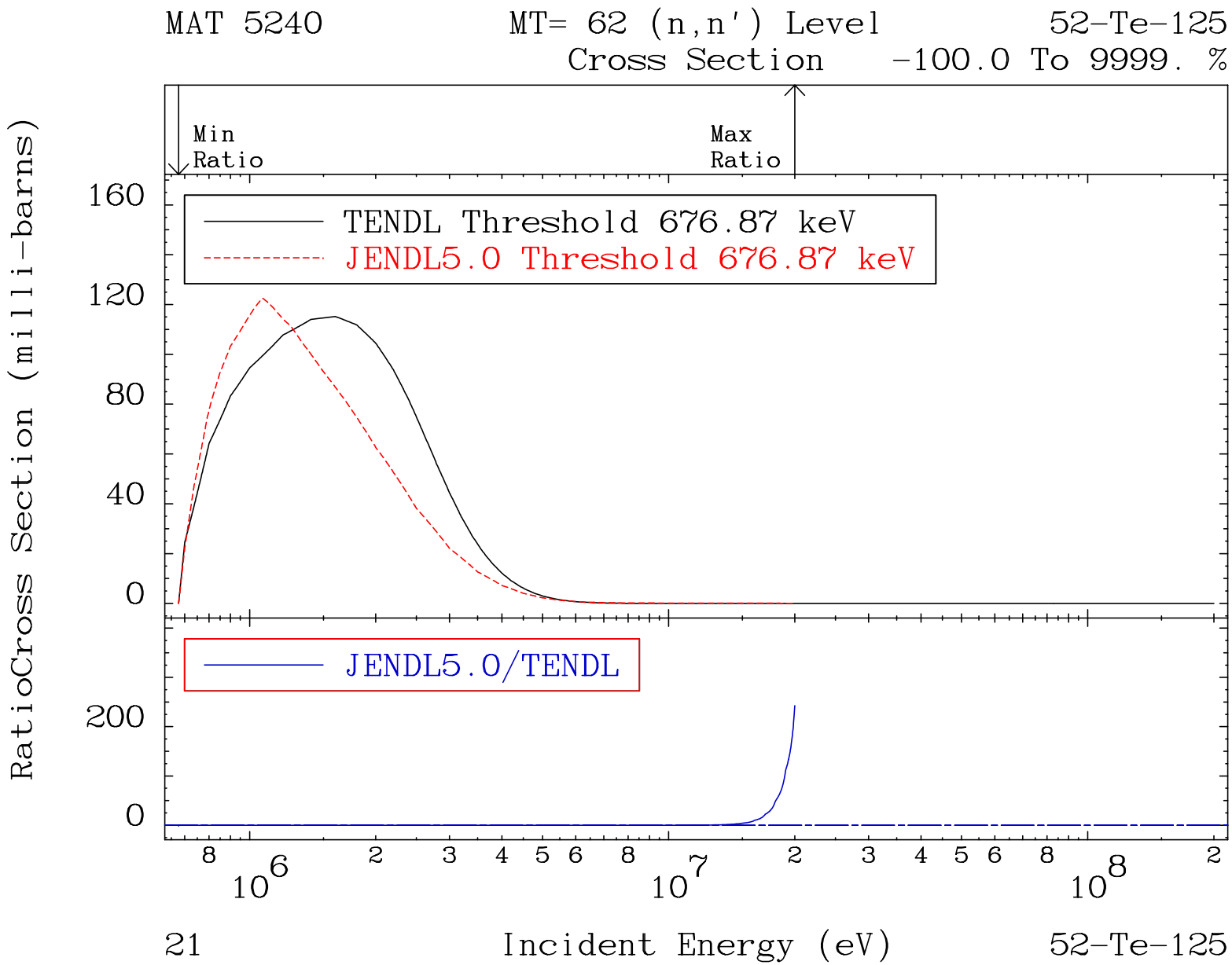

MAT 5240
MT= 57 (n,n') Level
52-Te-125
Cross Section
-46.01 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 529.47 keV
JENDL5.0 Threshold 529.47 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
16
52-Te-125

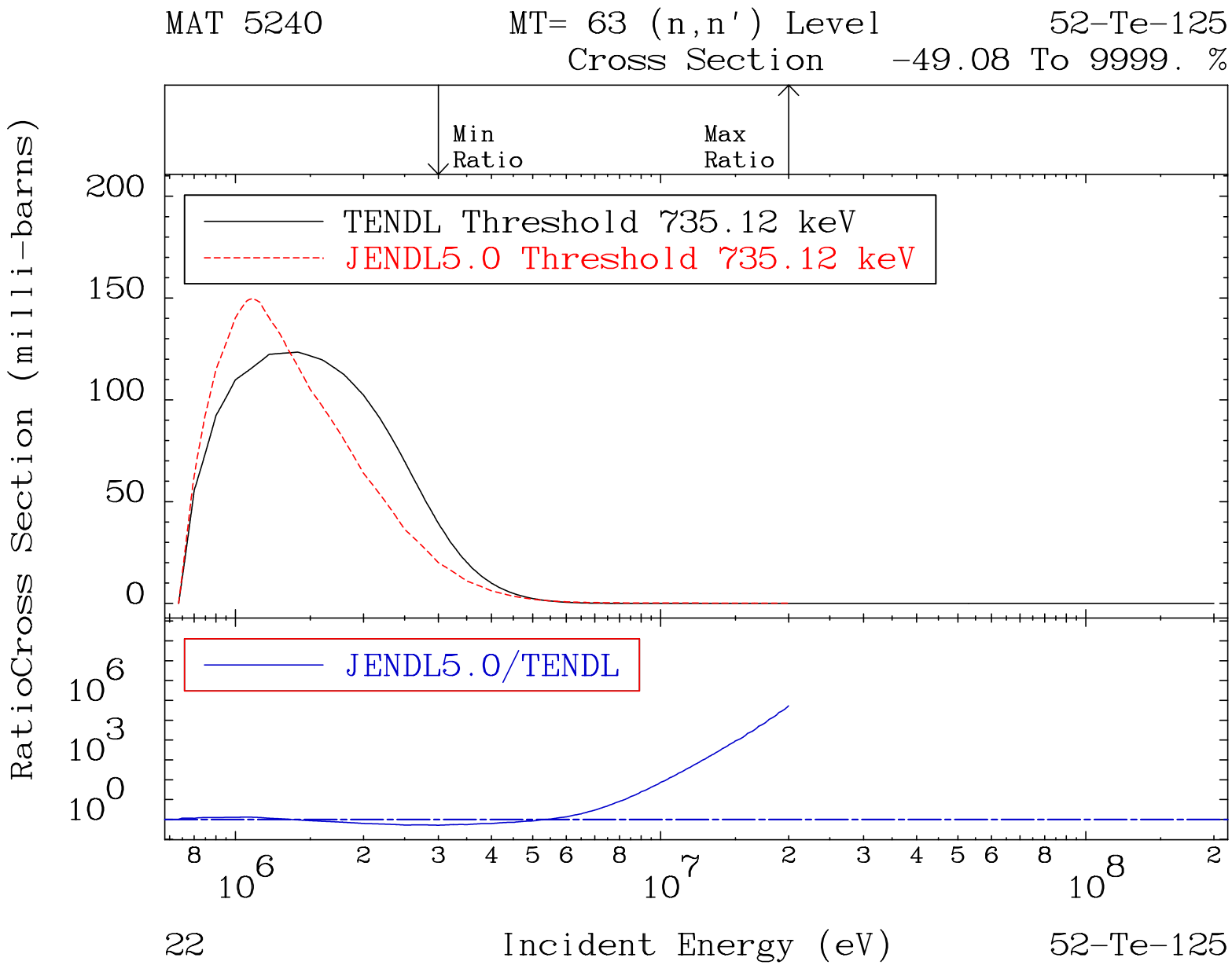

MAT 5240
MT= 58 (n,n') Level
52-Te-125
Cross Section
-49.67 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 542.19 keV
JENDL5.0 Threshold 542.19 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^6
10^3
10^0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
17
Incident Energy (eV)
52-Te-125

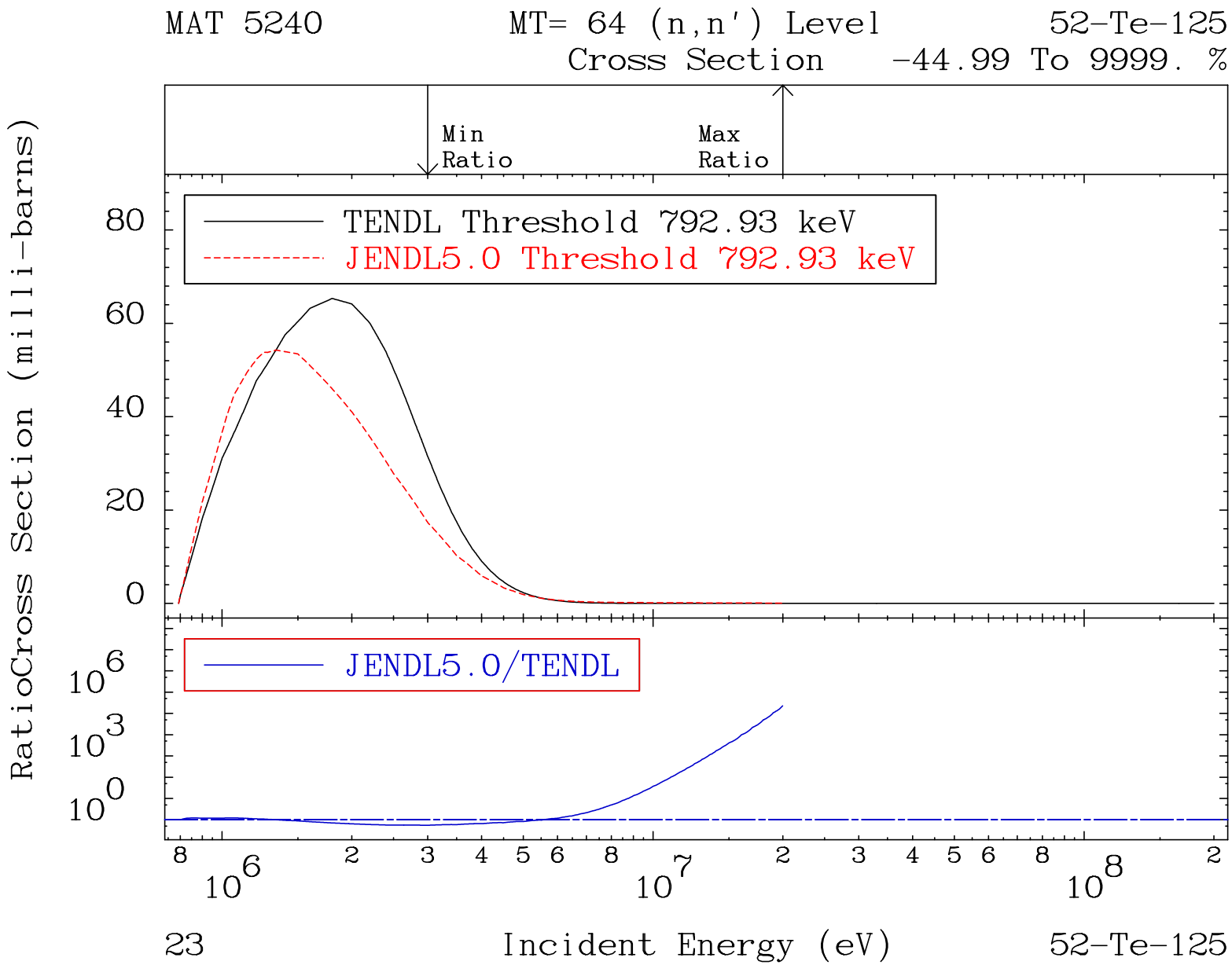

MAT 5240
MT= 59 (n,n') Level
52-Te-125
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 641.23 keV
JENDL5.0 Threshold 641.23 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
400
200
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
18
Incident Energy (eV)
52-Te-125

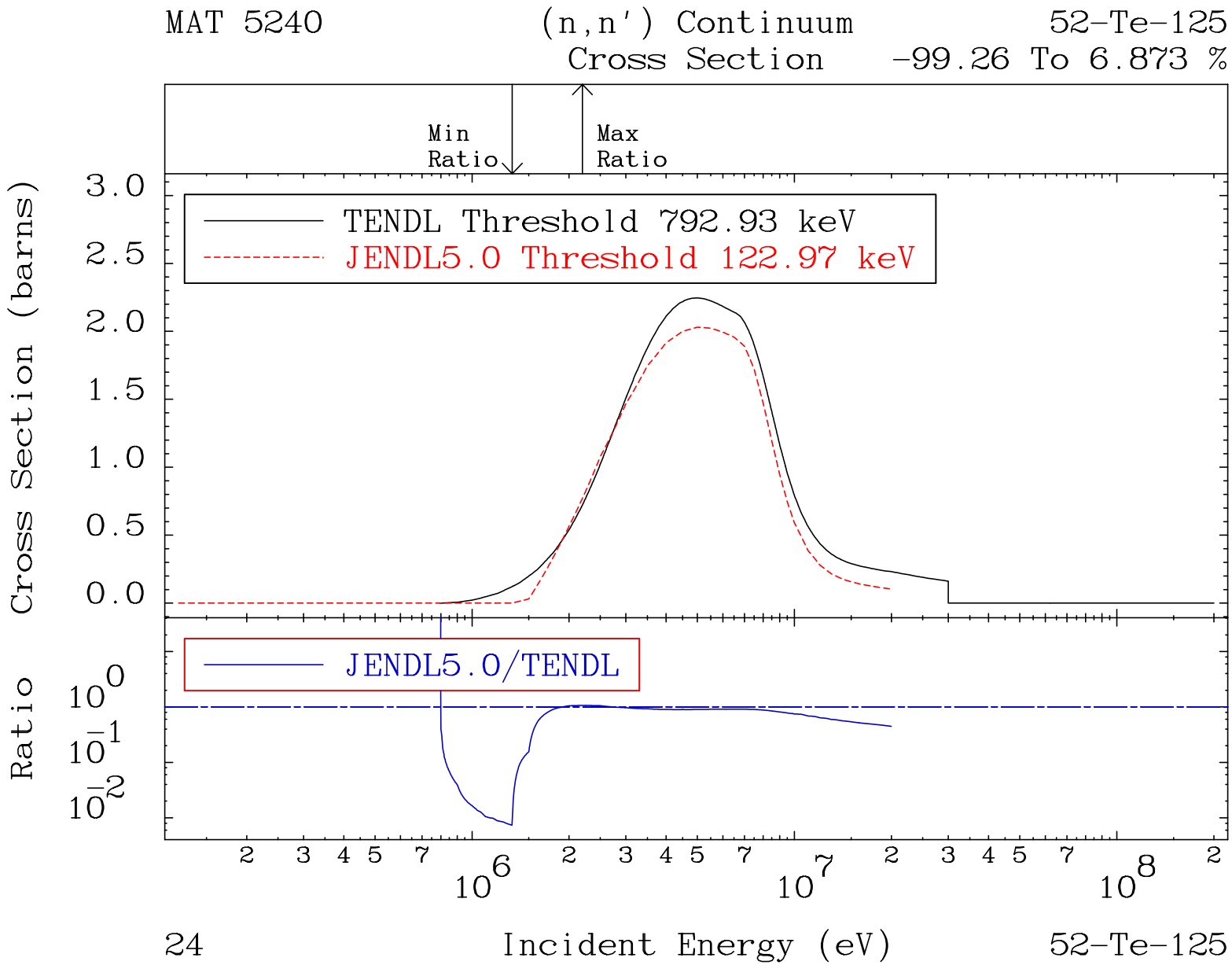

MAT 5240
MT= 60 (n,n') Level
52-Te-125
Cross Section
-50.78 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 647.39 keV
JENDL5.0 Threshold 647.39 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
19
52-Te-125

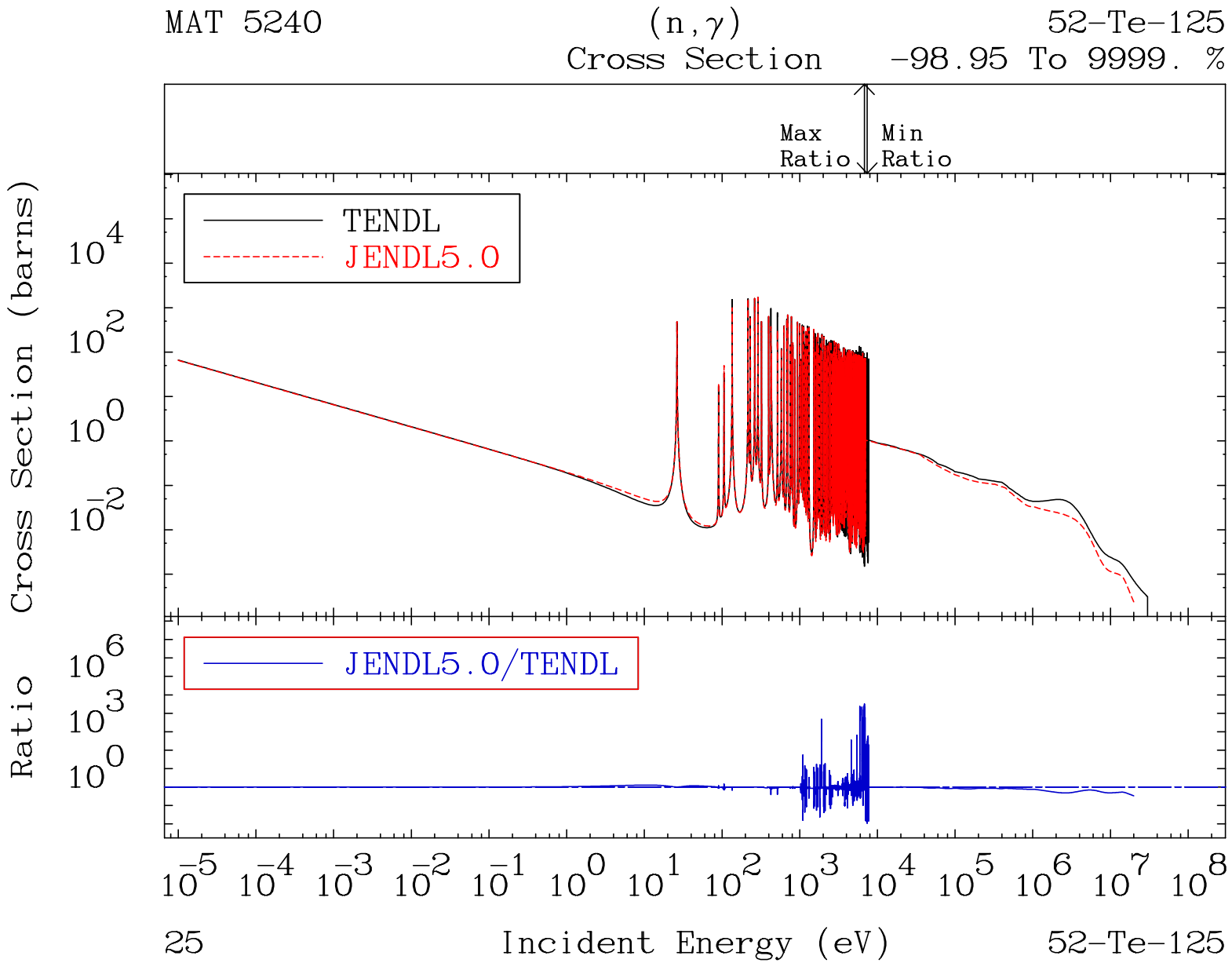

MAT 5240
MT= 61 (n,n') Level
52-Te-125
Cross Section
-46.62 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 658.17 keV
JENDL5.0 Threshold 658.17 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^6
10^3
10^0
8
2
3
4
5
6
8
10^6
10^7
10^8
20
Incident Energy (eV)
52-Te-125

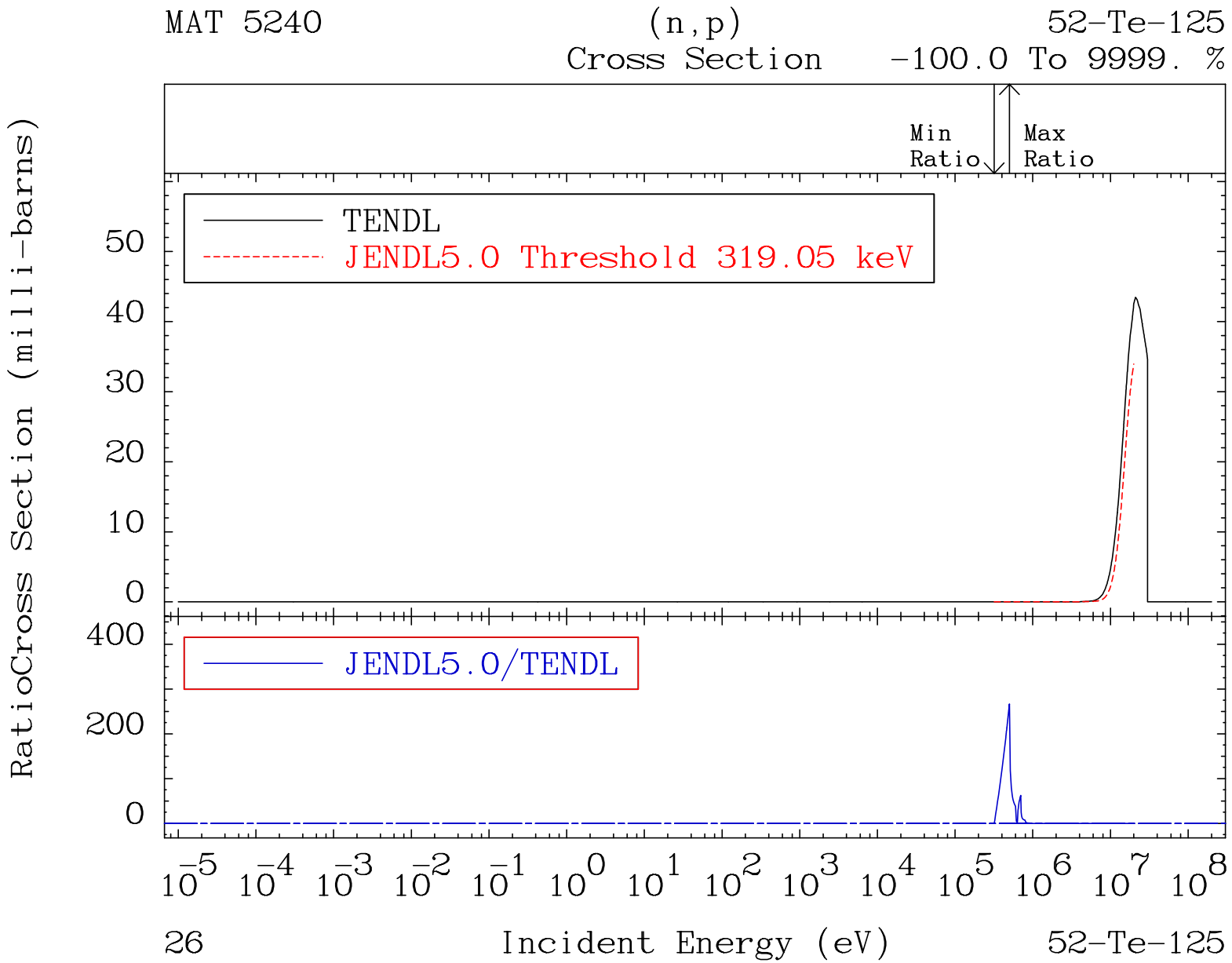

MAT 5240
MT= 62 (n,n') Level
52-Te-125
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 676.87 keV
JENDL5.0 Threshold 676.87 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
200
0
8
2
3
4
5
6
8
2
3
4
5
6
8
2
10^6
10^7
10^8
21
Incident Energy (eV)
52-Te-125

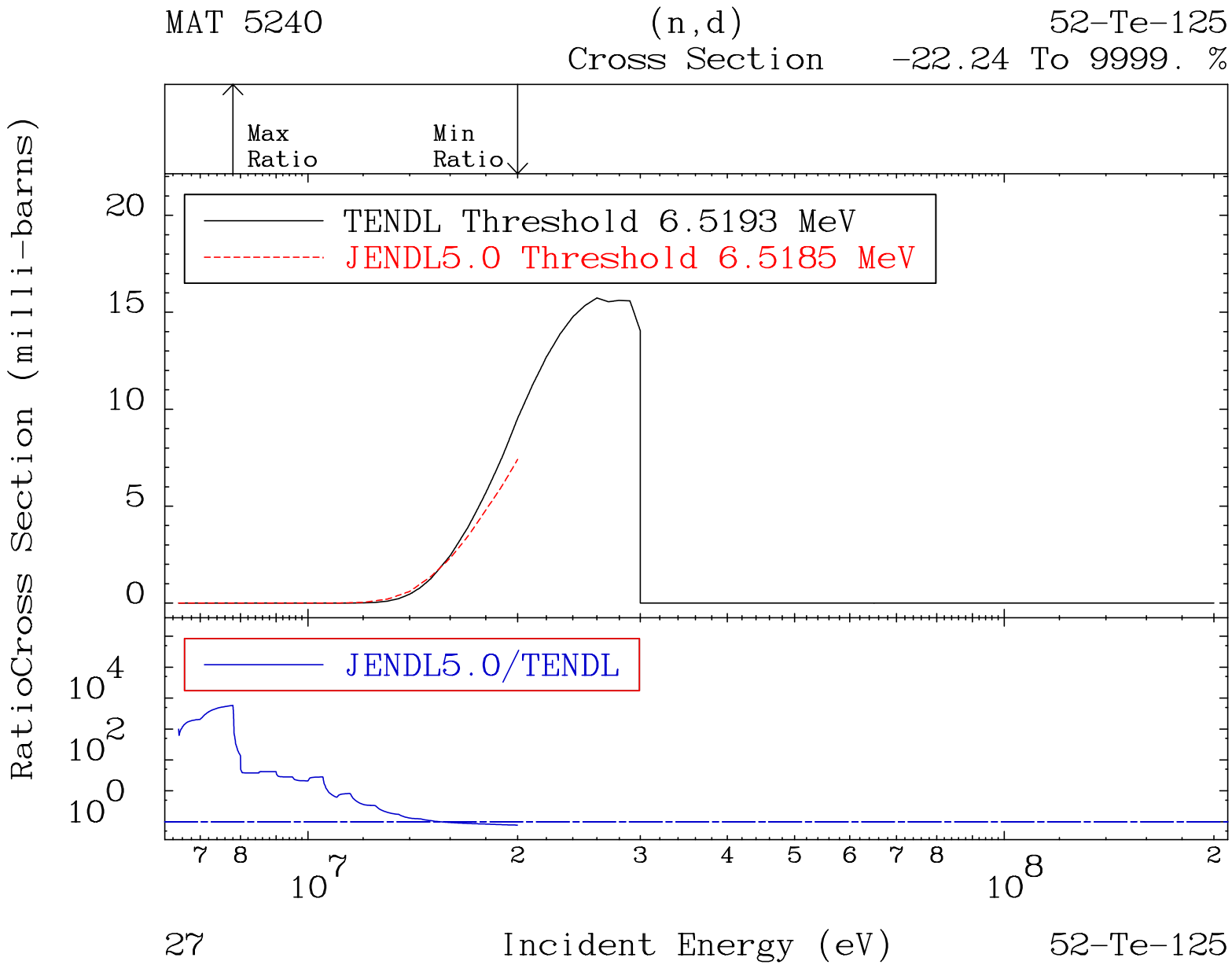

MAT 5240
MT= 63 (n,n') Level
52-Te-125
Cross Section
-49.08 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 735.12 keV
JENDL5.0 Threshold 735.12 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
10^6
10^3
10^0
8
2
3
4
5
6
8
10^6
10^7
10^8
22
Incident Energy (eV)
52-Te-125

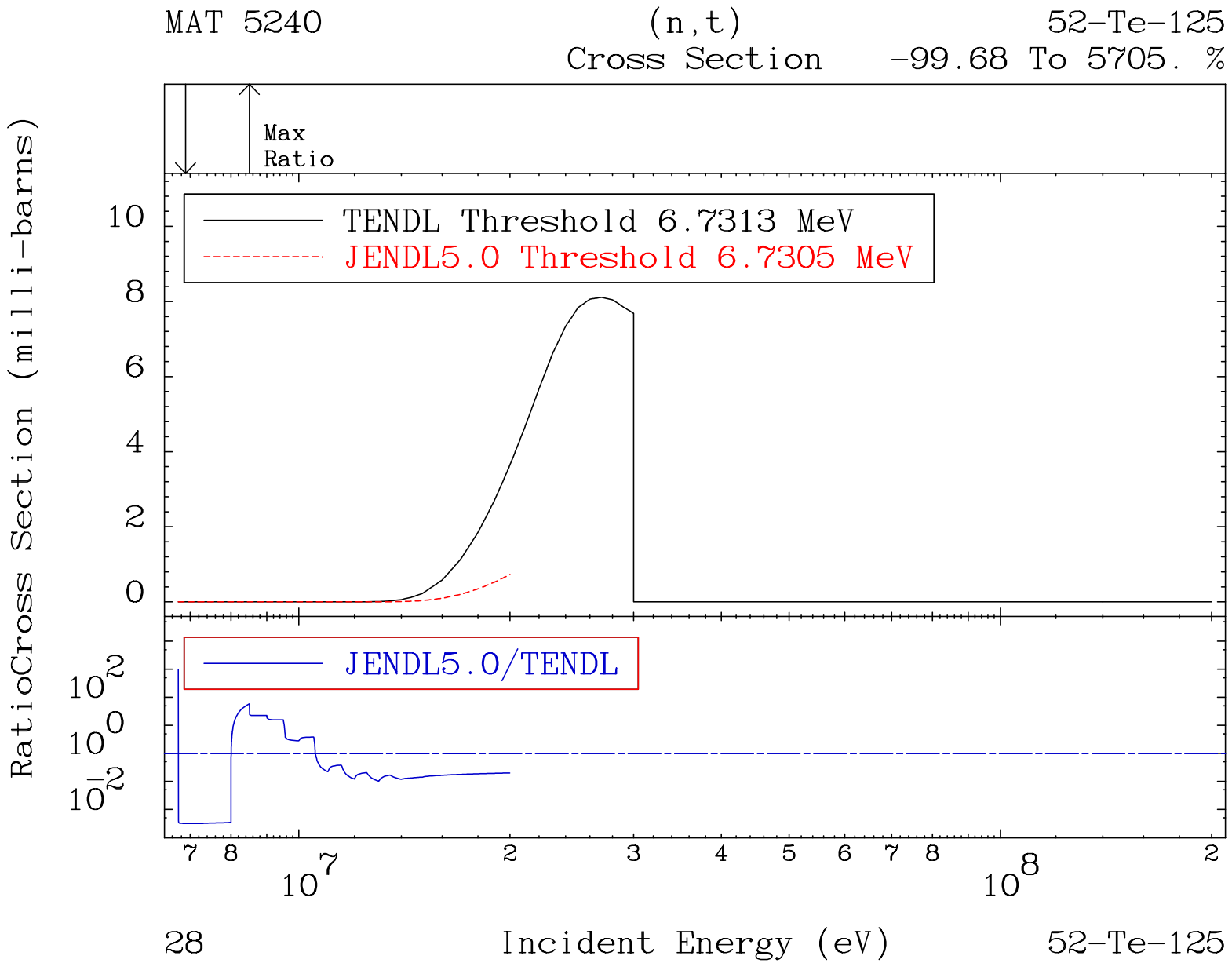

MAT 5240
MT= 64 (n,n') Level
52-Te-125
Cross Section
-44.99 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 792.93 keV
JENDL5.0 Threshold 792.93 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
23
52-Te-125

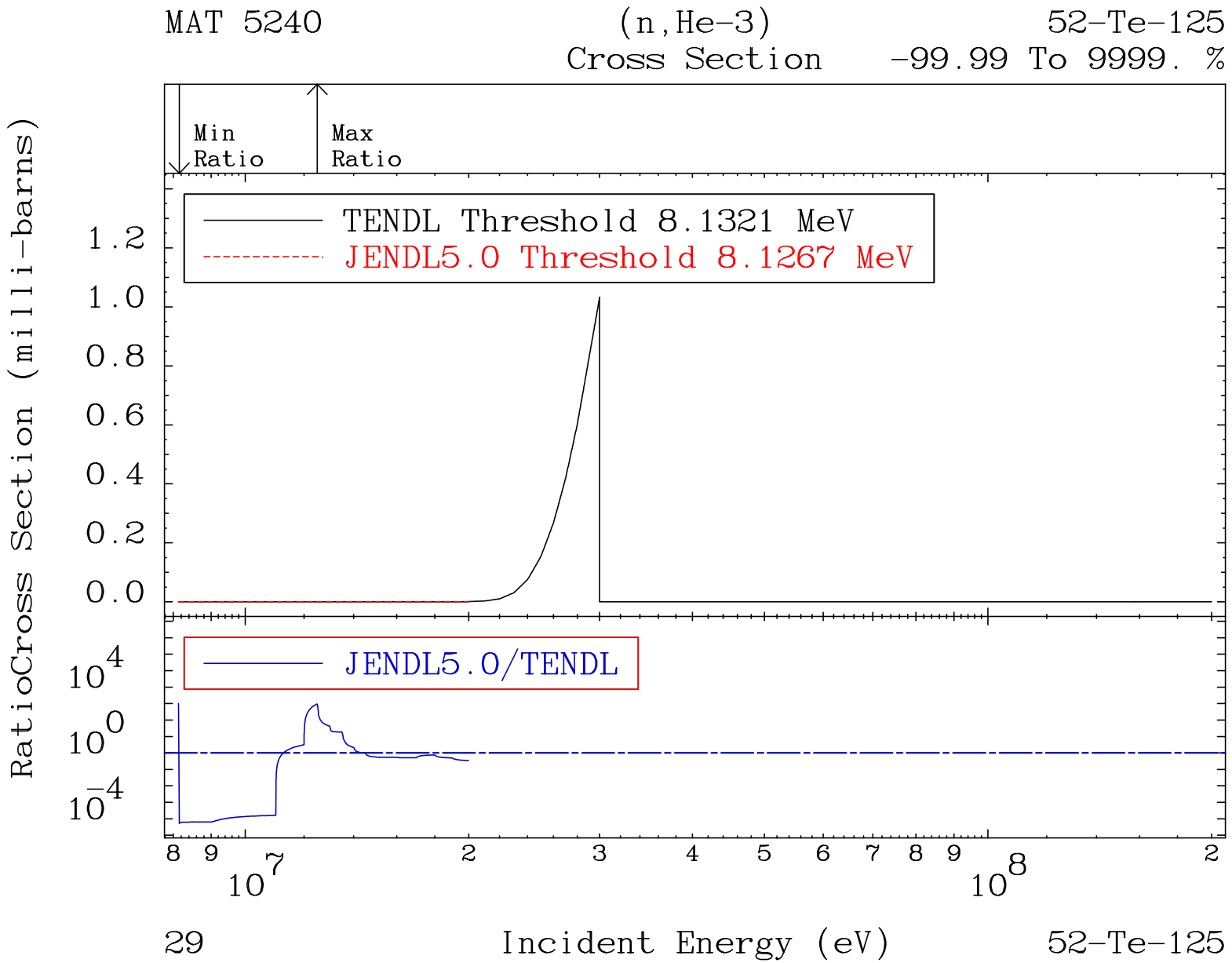

MAT 5240
(n,n') Continuum
Cross Section
52-Te-125
-99.26 To 6.873 %
Min Ratio
Max Ratio
TENDL Threshold 792.93 keV
JENDL5.0 Threshold 122.97 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JENDL5.0/TENDL
Ratio
10^0
10^-1
10^-2
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
24
Incident Energy (eV)
52-Te-125

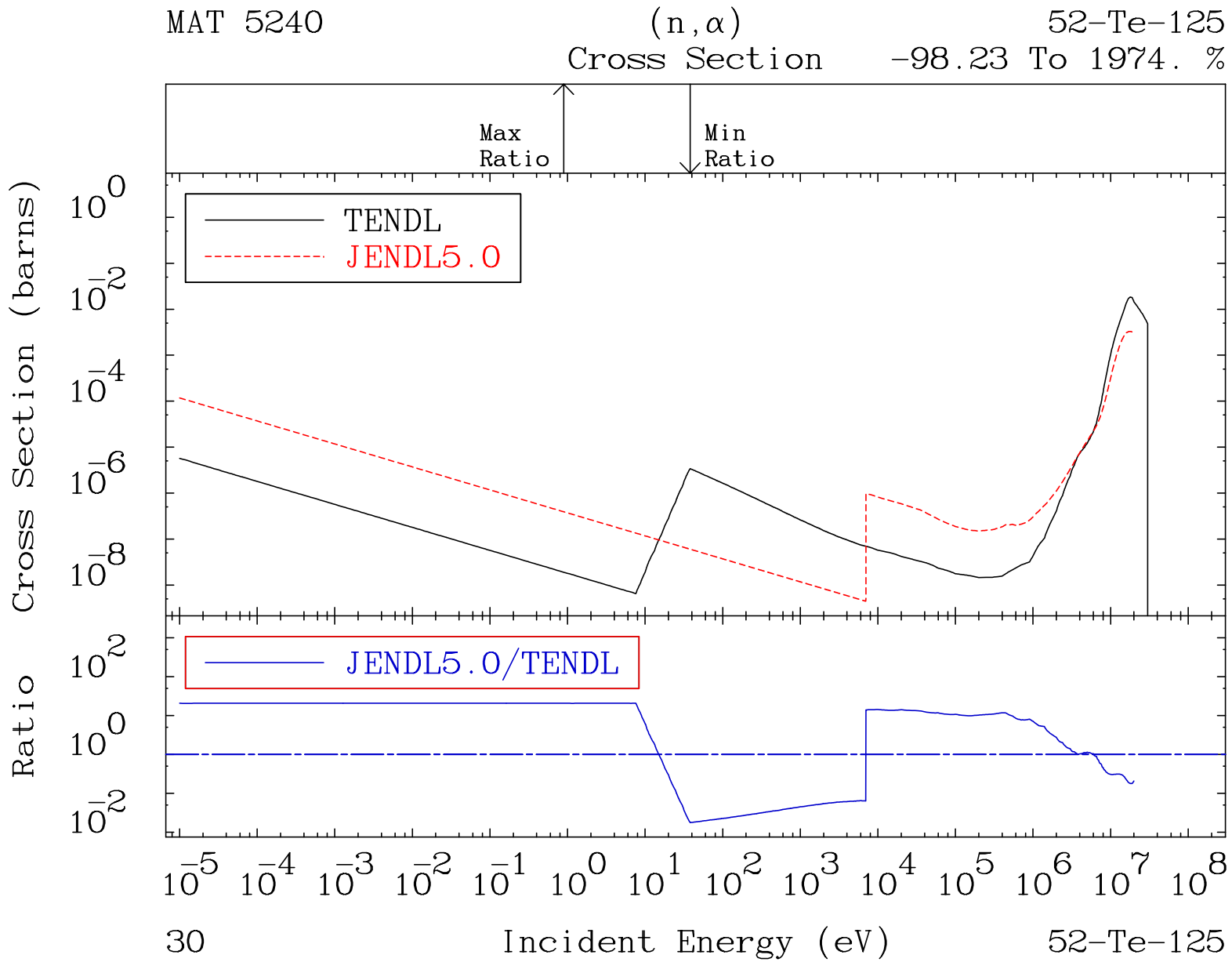

MAT 5240
(n,γ)
Cross Section
52-Te-125
-98.95 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
25
52-Te-125

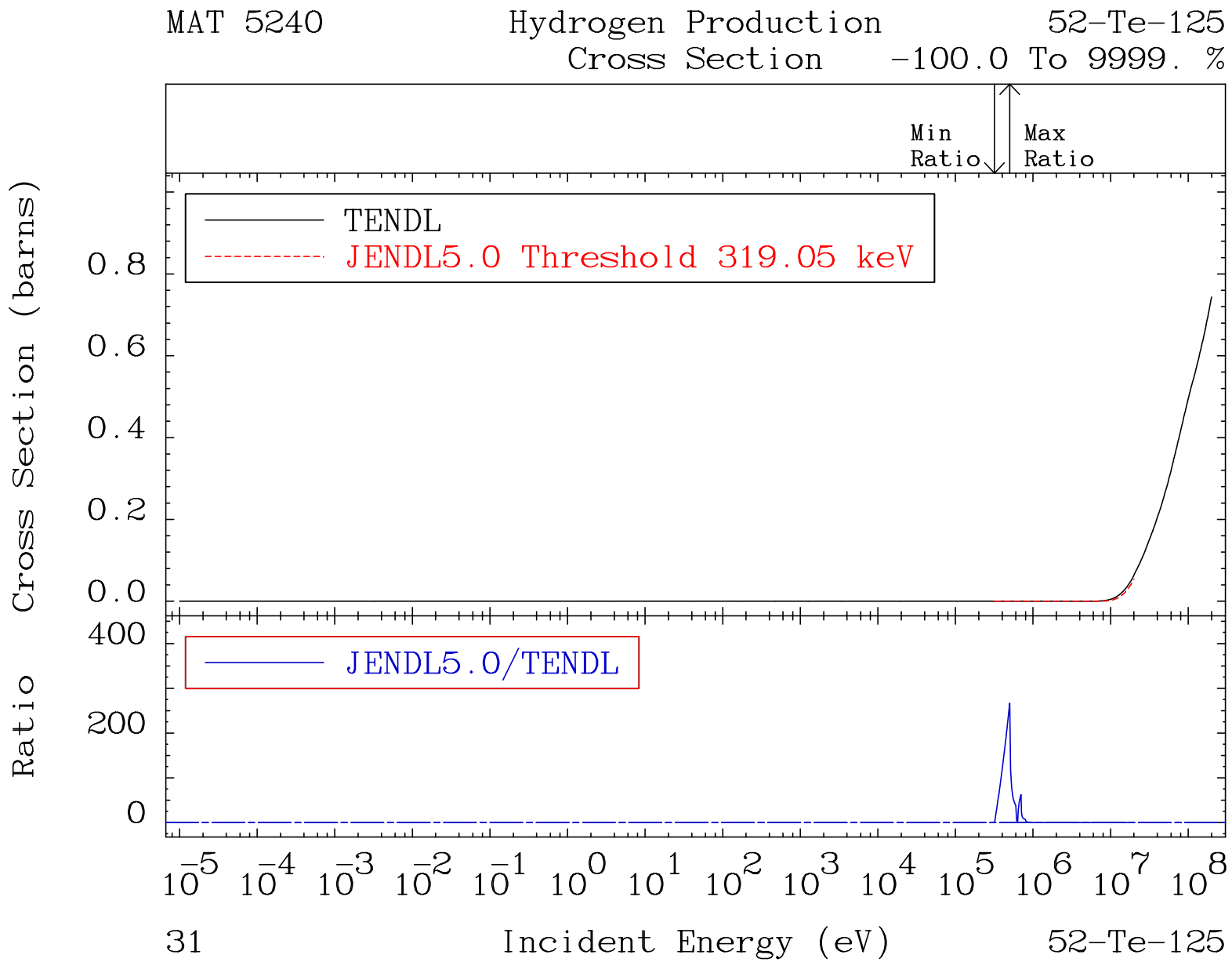

MAT 5240
(n,p)
Cross Section
52-Te-125
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 319.05 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
400
200
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
26
Incident Energy (eV)
52-Te-125

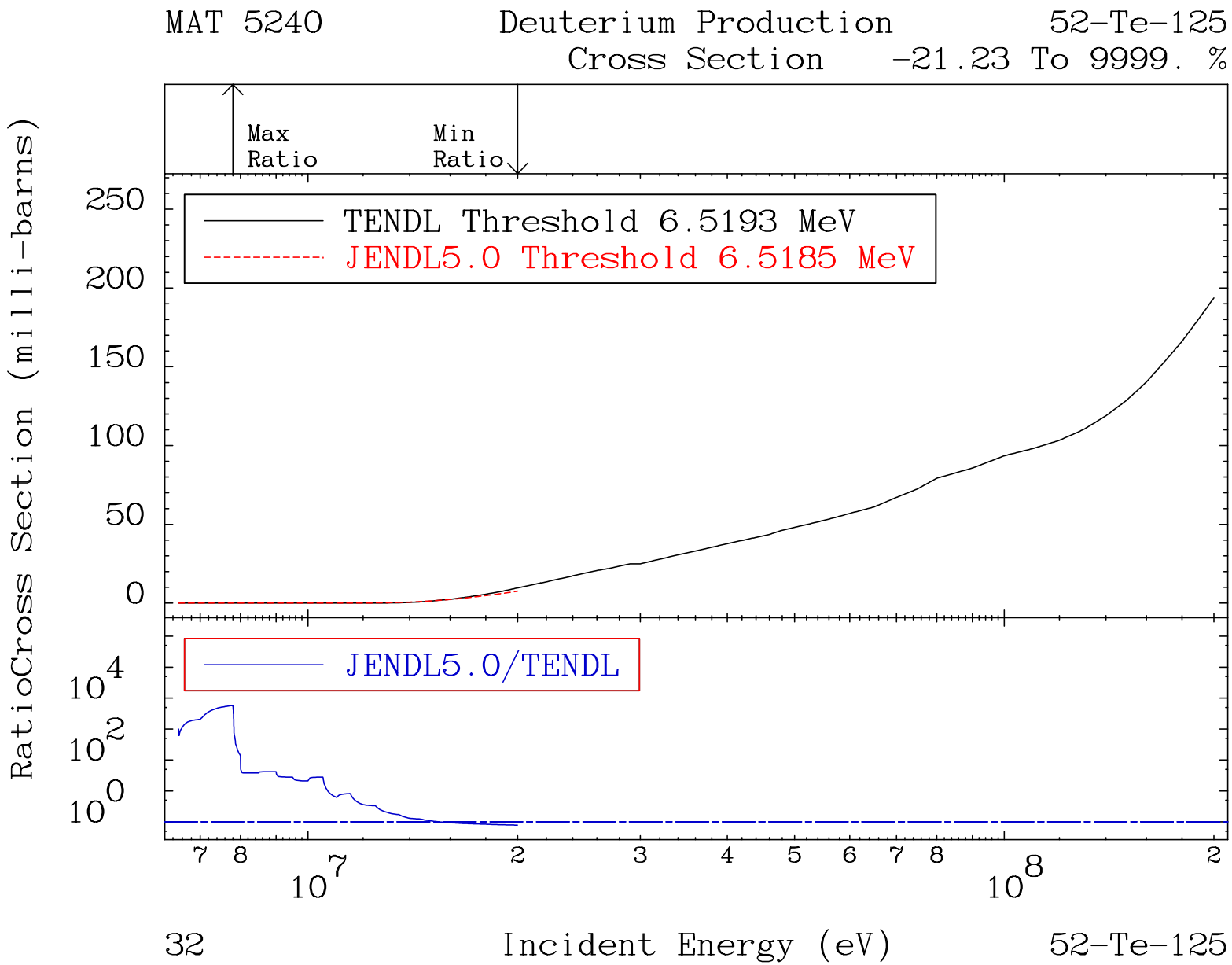

MAT 5240
(n,d)
52-Te-125
Cross Section
-22.24 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.5193 MeV
JENDL5.0 Threshold 6.5185 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
27
52-Te-125

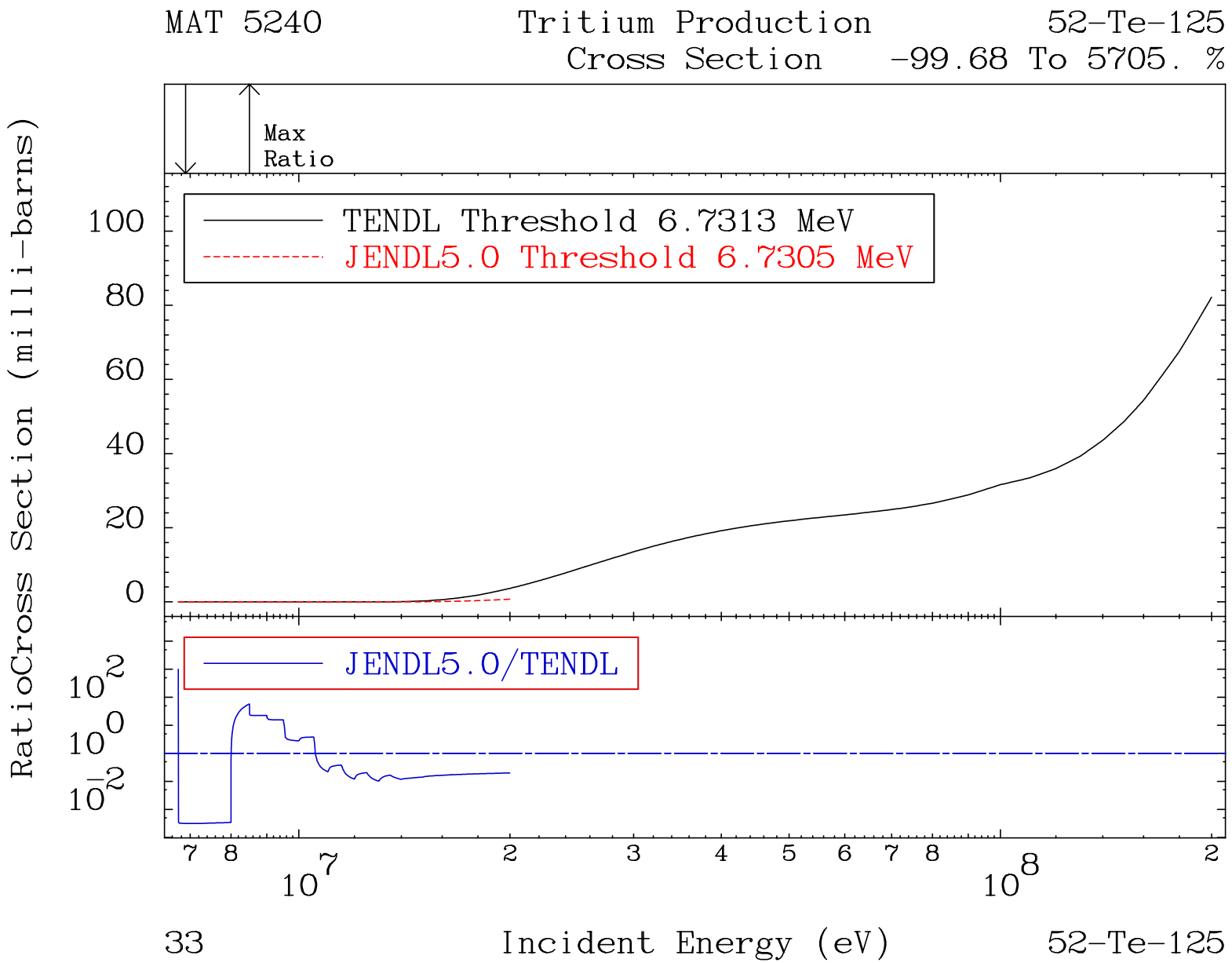

MAT 5240
(n,t)
Cross Section
52-Te-125
-99.68 To 5705. %
Max
Ratio
TENDL Threshold 6.7313 MeV
JENDL5.0 Threshold 6.7305 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
28
52-Te-125

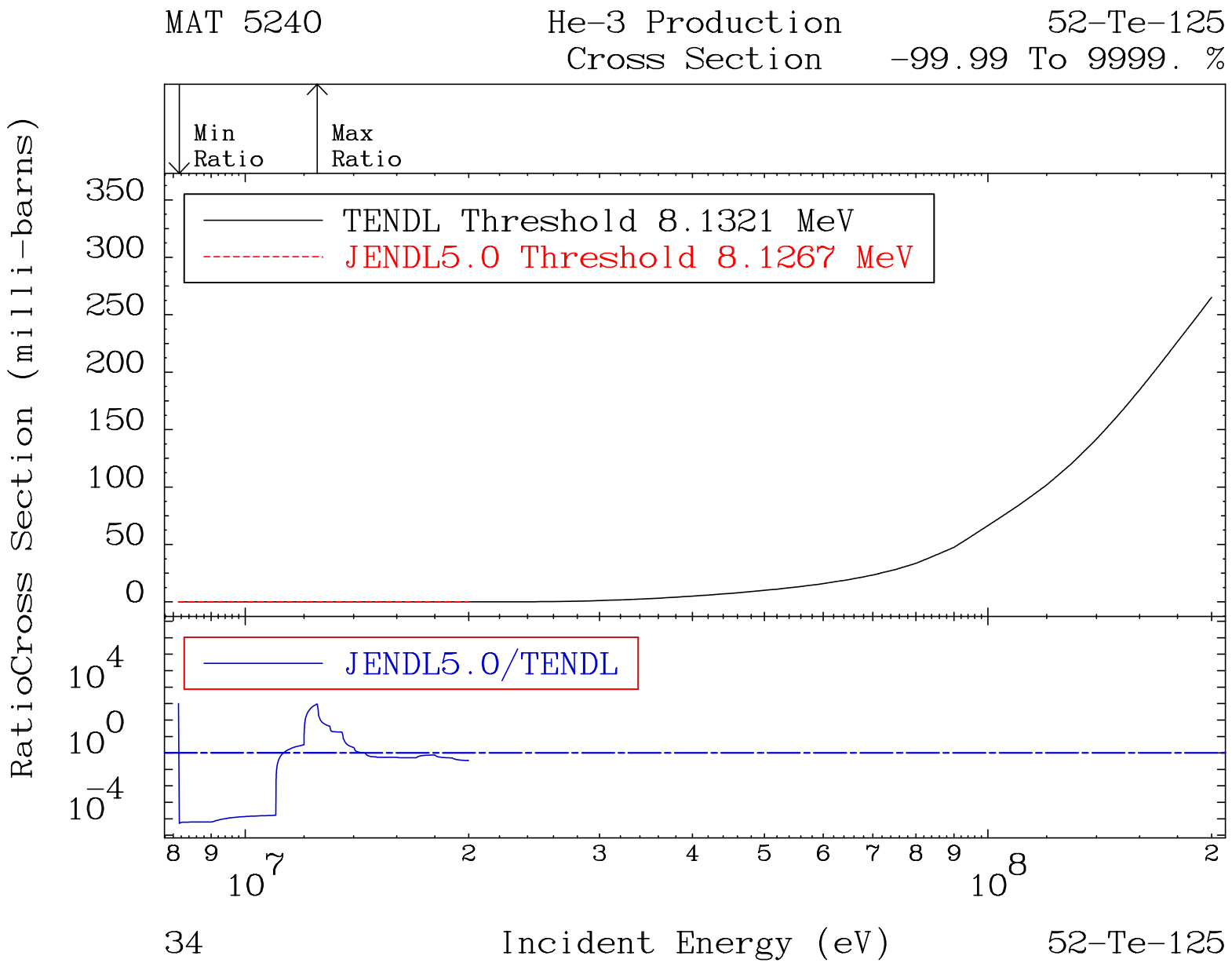

MAT 5240
(n,He-3)
Cross Section
52-Te-125
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 8.1321 MeV
JENDL5.0 Threshold 8.1267 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
10^4
10^0
10^-4
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
29
Incident Energy (eV)
52-Te-125

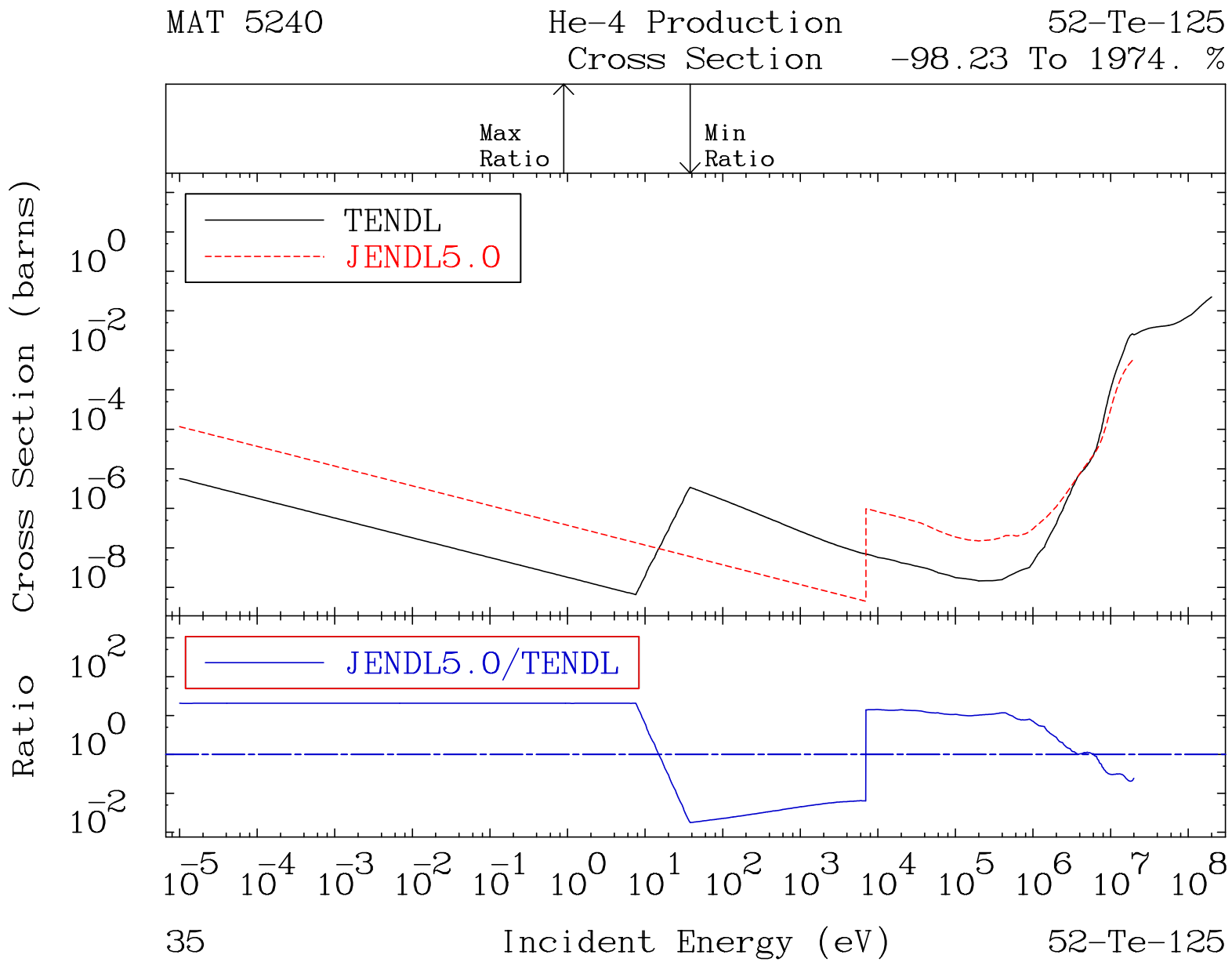

MAT 5240
(n,α)
Cross Section
52-Te-125
-98.23 To 1974. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
30
52-Te-125

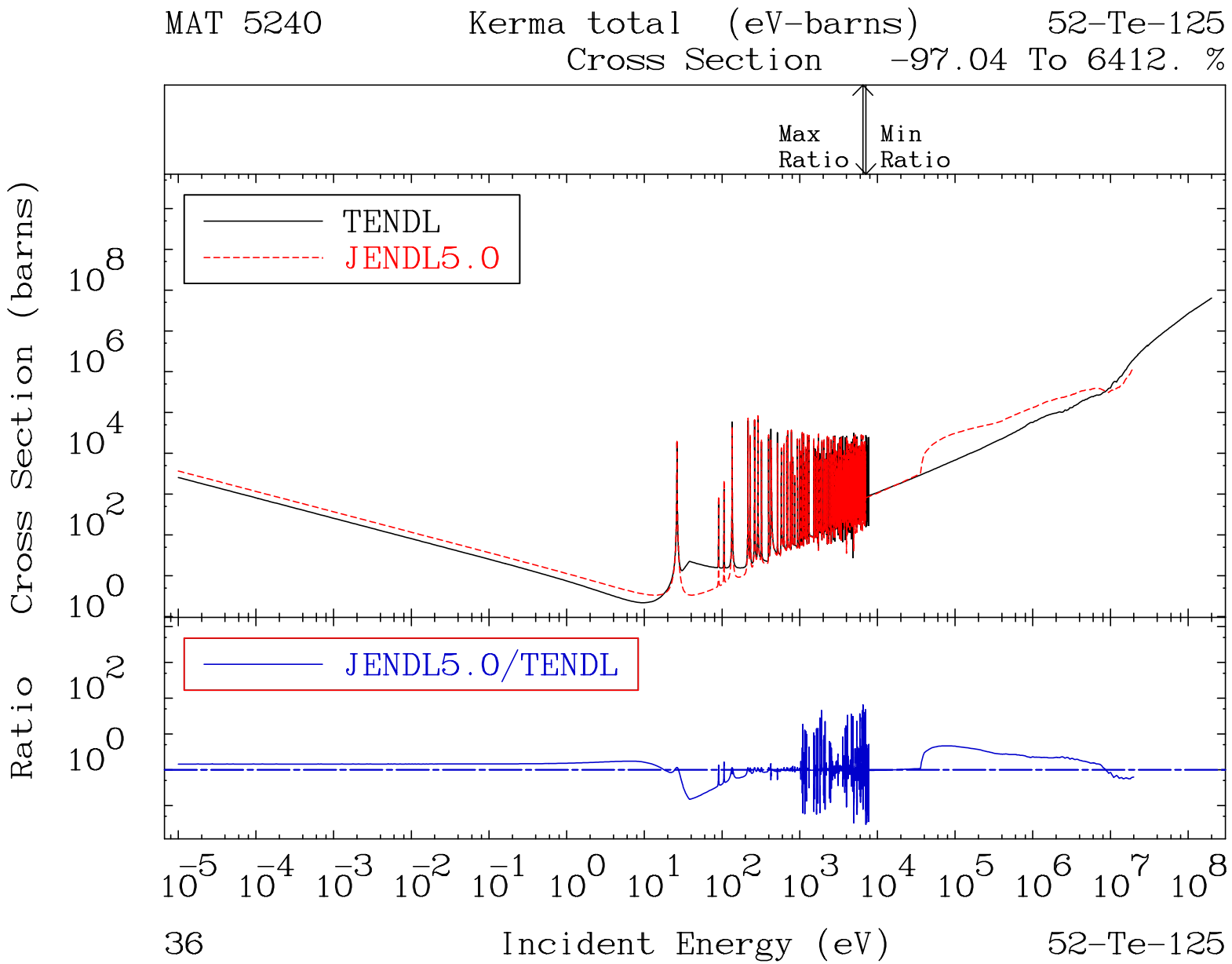

MAT 5240
Hydrogen Production
52-Te-125
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 319.05 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
0.8
0.6
0.4
0.2
0.0
400
200
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
31
Incident Energy (eV)
52-Te-125

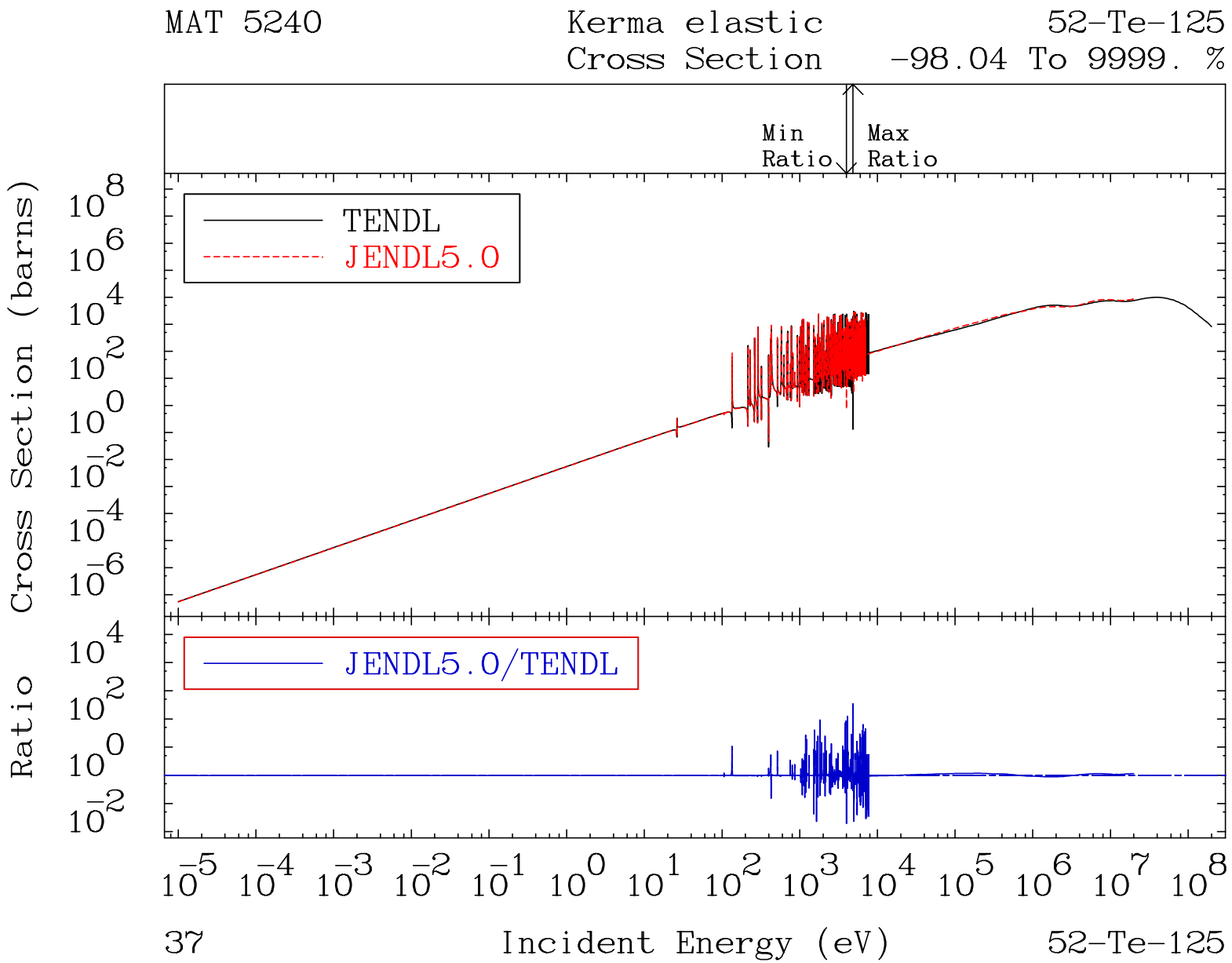

MAT 5240
Deuterium Production
52-Te-125
Cross Section
-21.23 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.5193 MeV
JENDL5.0 Threshold 6.5185 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
10^4
10^2
10^0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
32
Incident Energy (eV)
52-Te-125

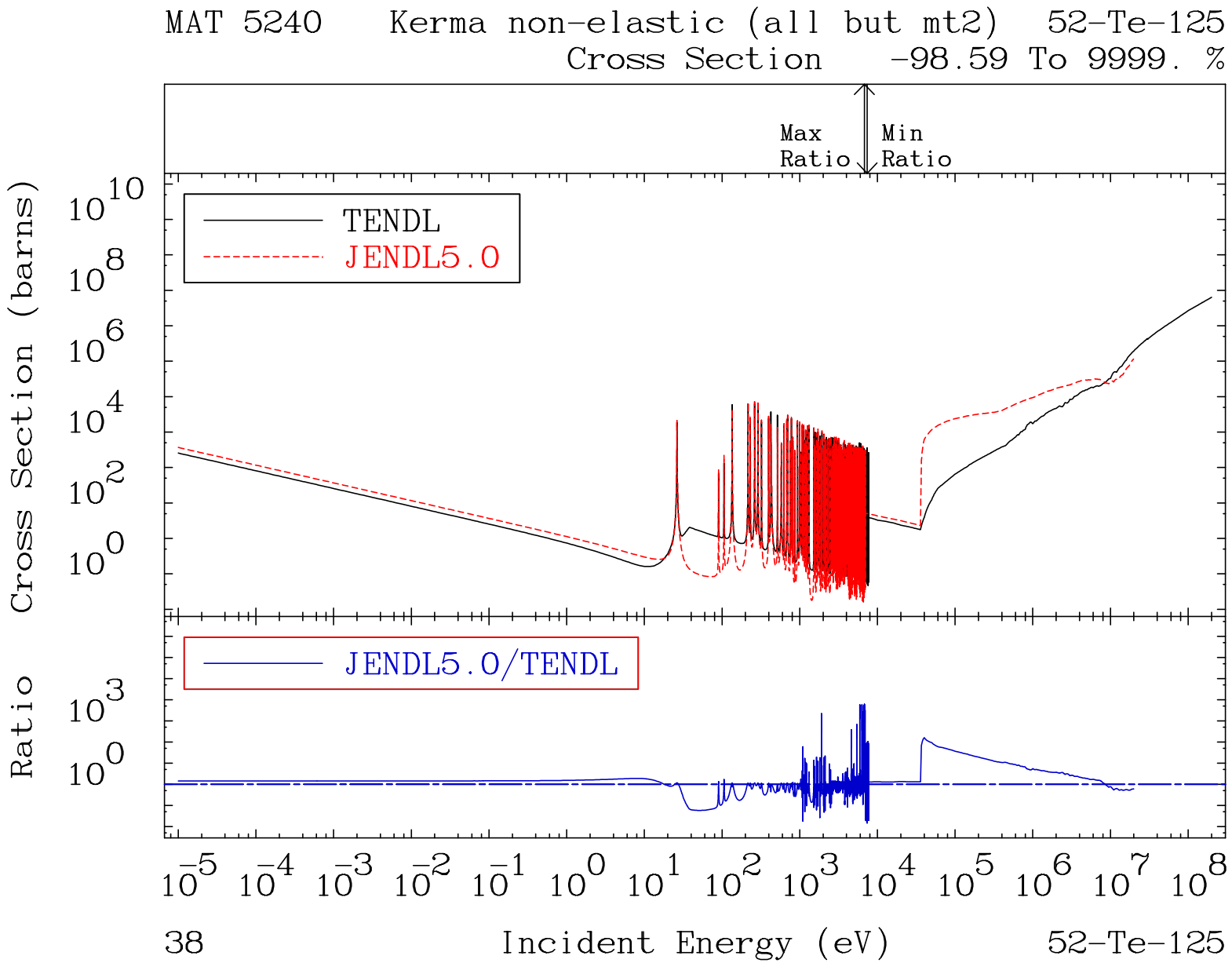

MAT 5240
Tritium Production
Cross Section
52-Te-125
-99.68 To 5705. %
Max
Ratio
TENDL Threshold 6.7313 MeV
JENDL5.0 Threshold 6.7305 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
10^{2}
10^{0}
10^{-2}
7 8 10^{7} 2 3 4 5 6 7 8 10^{8} 2
33
Incident Energy (eV)
52-Te-125

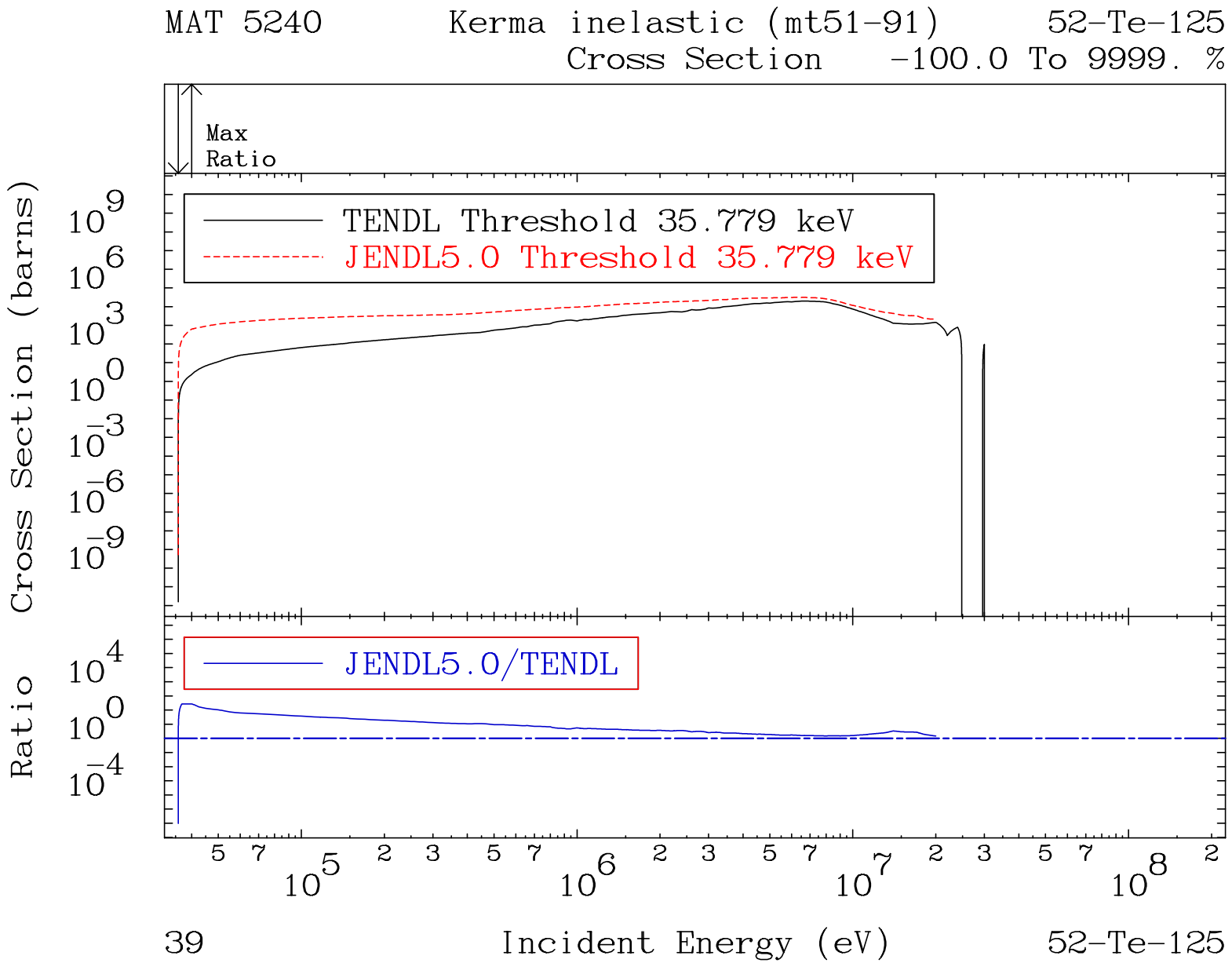

MAT 5240
He-3 Production
Cross Section
52-Te-125
-99.99 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 8.1321 MeV
JENDL5.0 Threshold 8.1267 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
10^4
10^0
10^-4
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
34
Incident Energy (eV)
52-Te-125

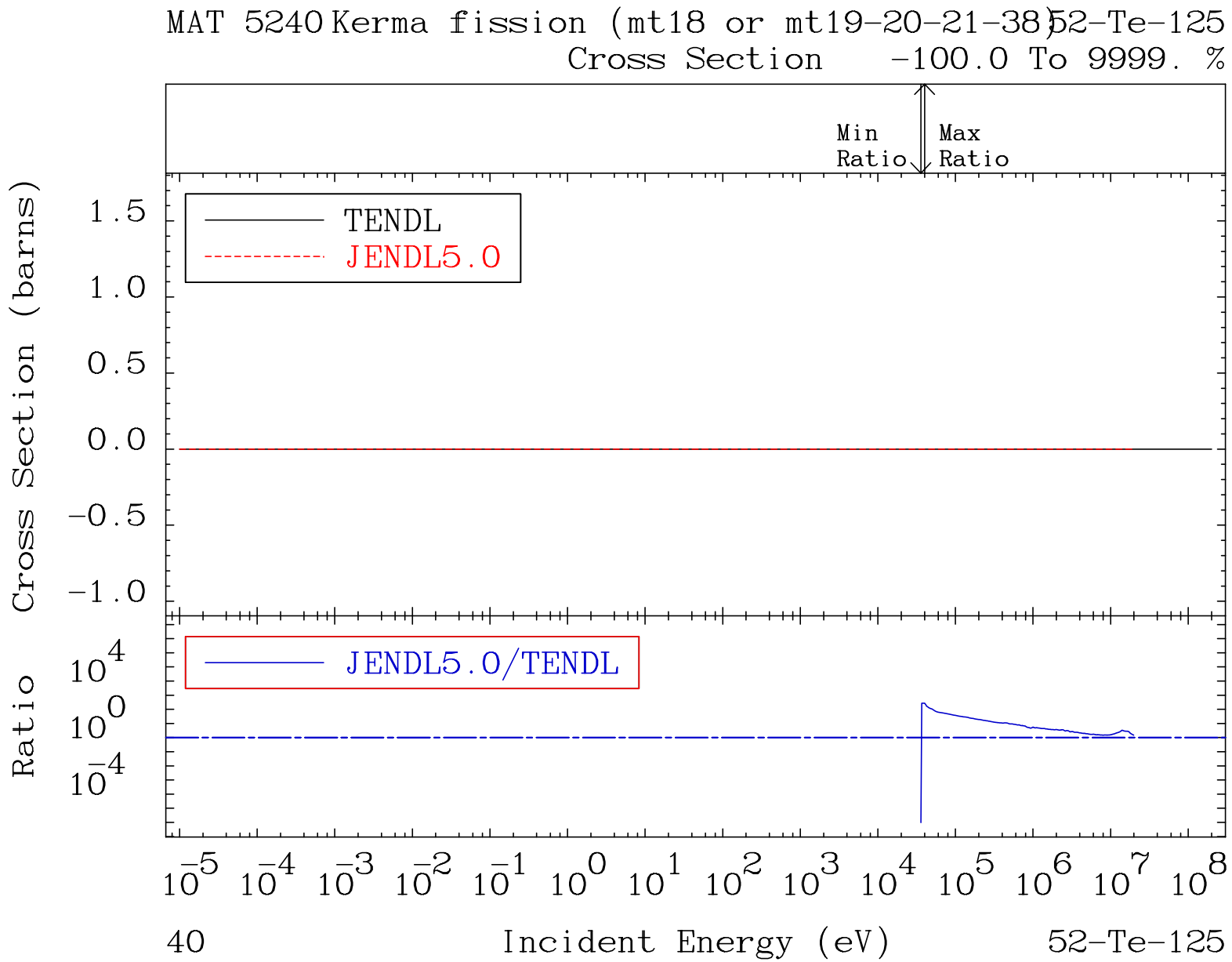

MAT 5240
He-4 Production
Cross Section
52-Te-125
-98.23 To 1974. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
35
52-Te-125

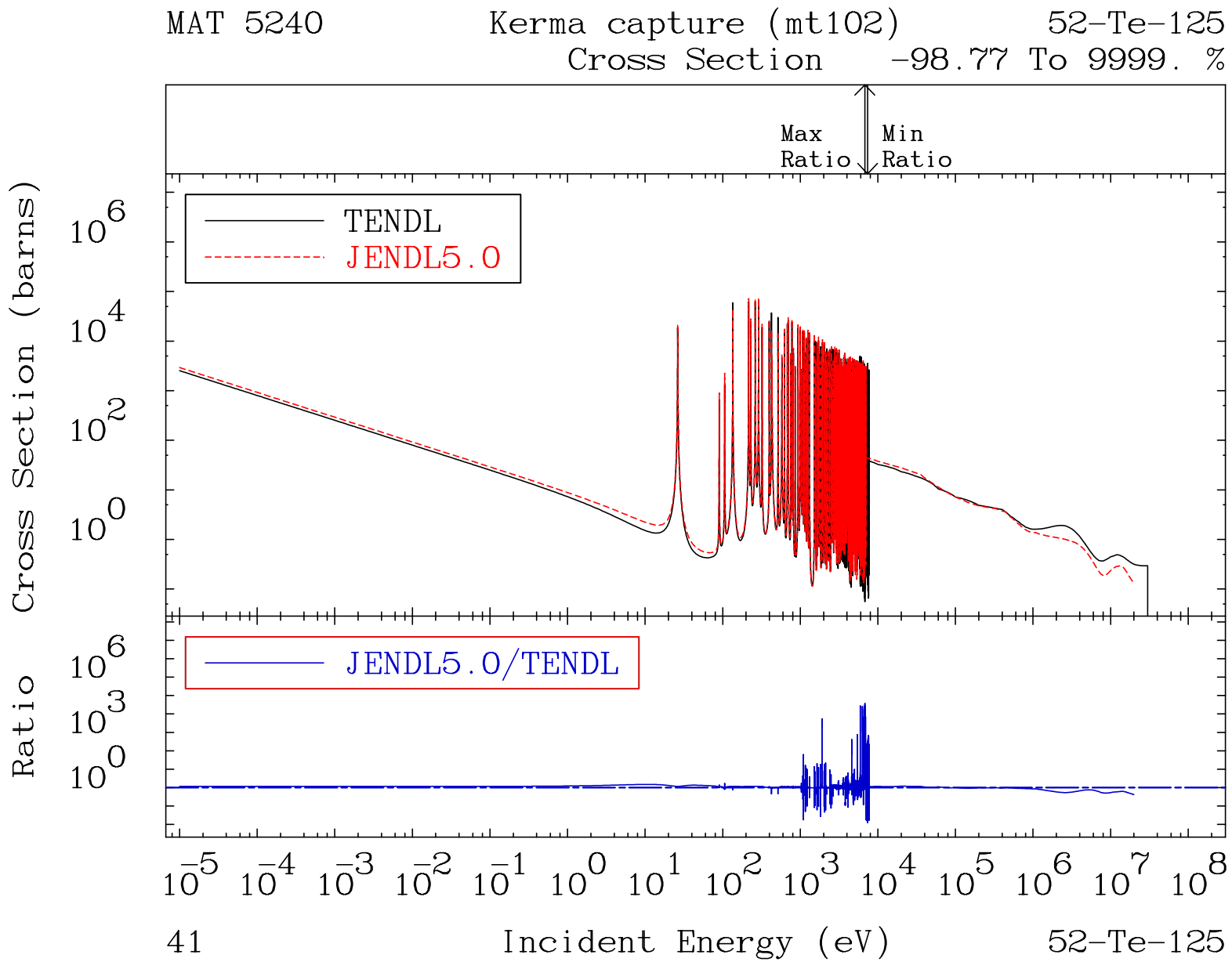

MAT 5240
Kerma total (eV-barns)
52-Te-125
Cross Section -97.04 To 6412. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
36
52-Te-125

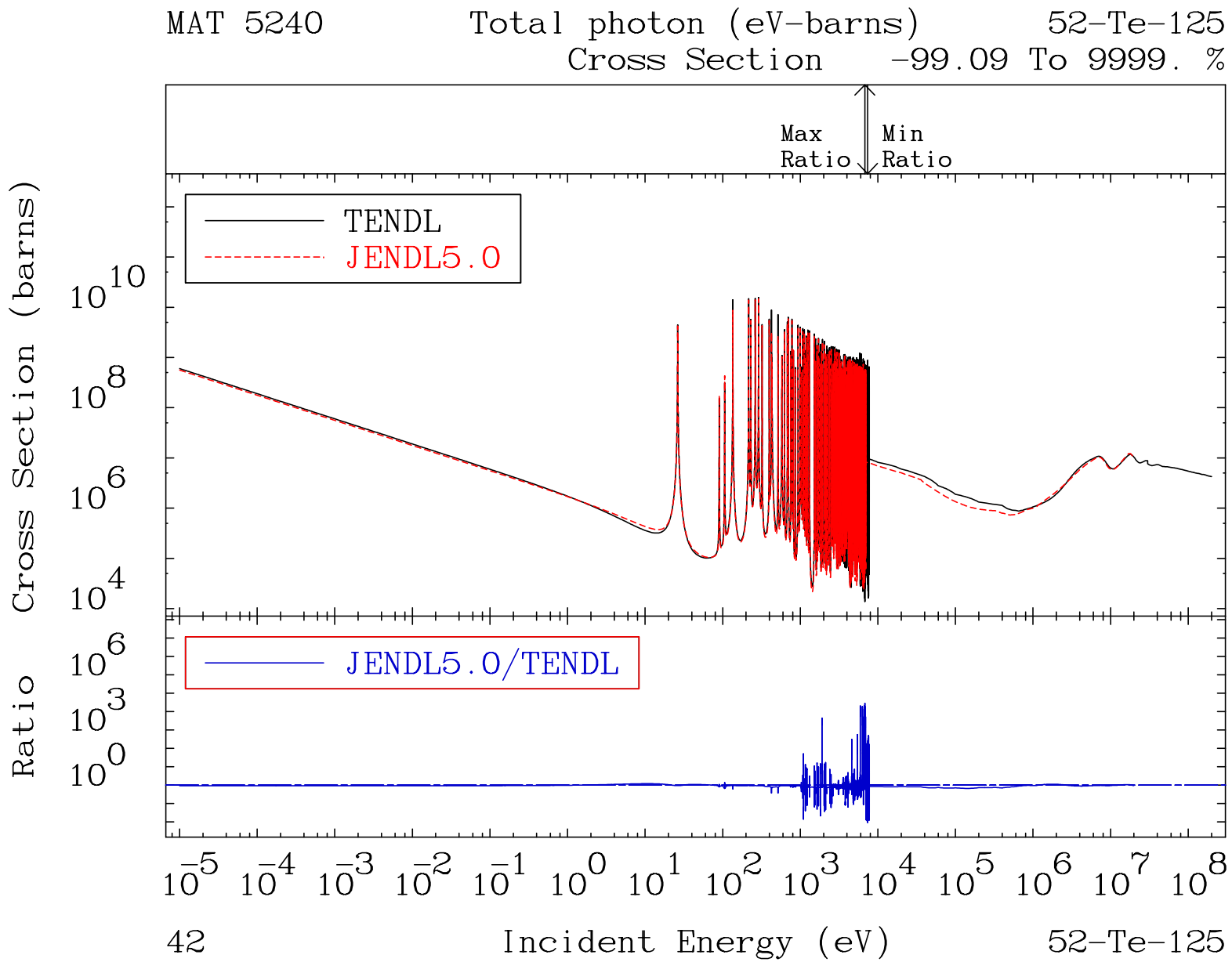

MAT 5240
Kerma elastic
Cross Section
52-Te-125
-98.04 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
37
52-Te-125

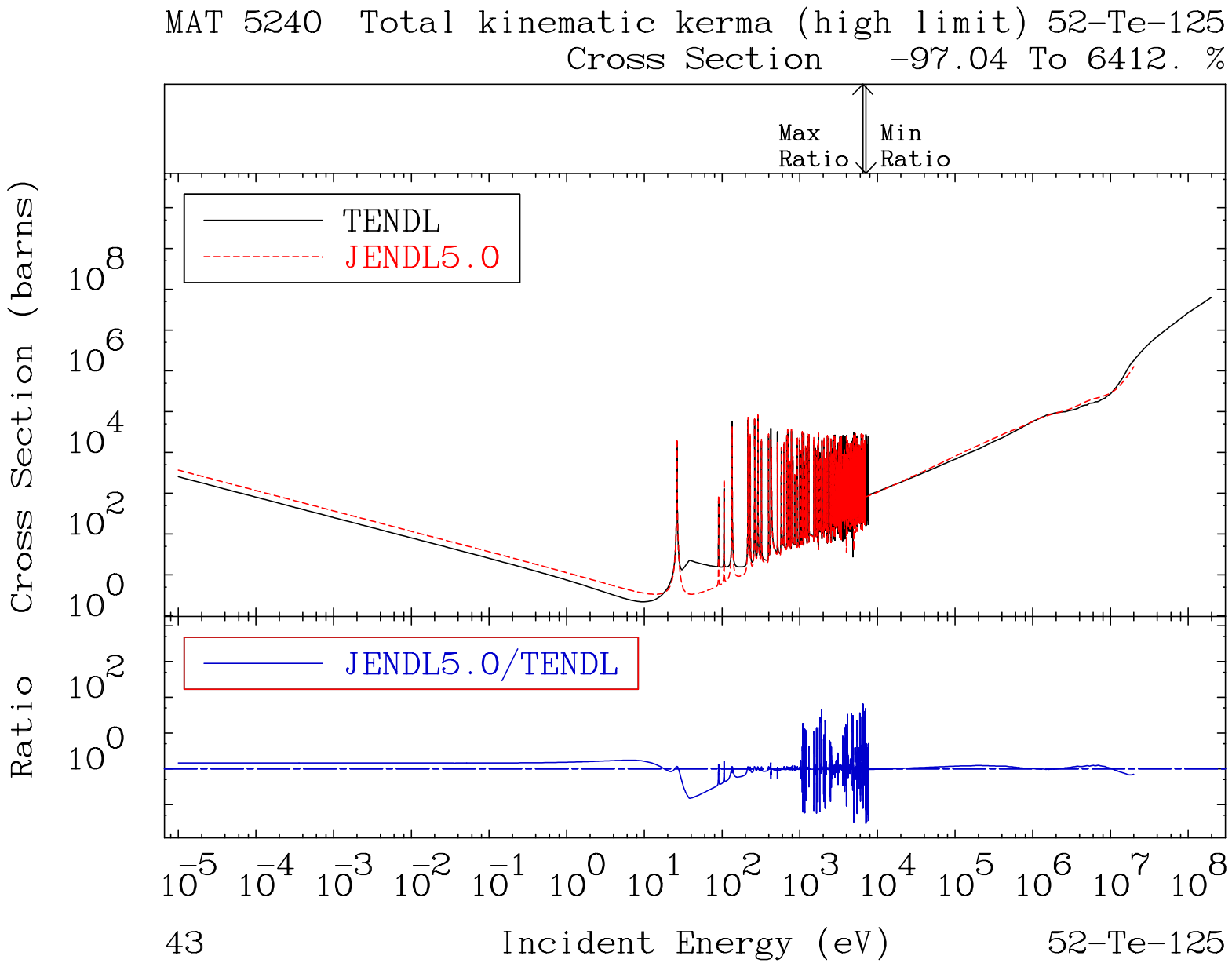

MAT 5240 Kerma non-elastic (all but mt2) 52-Te-125
Cross Section -98.59 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
38
52-Te-125

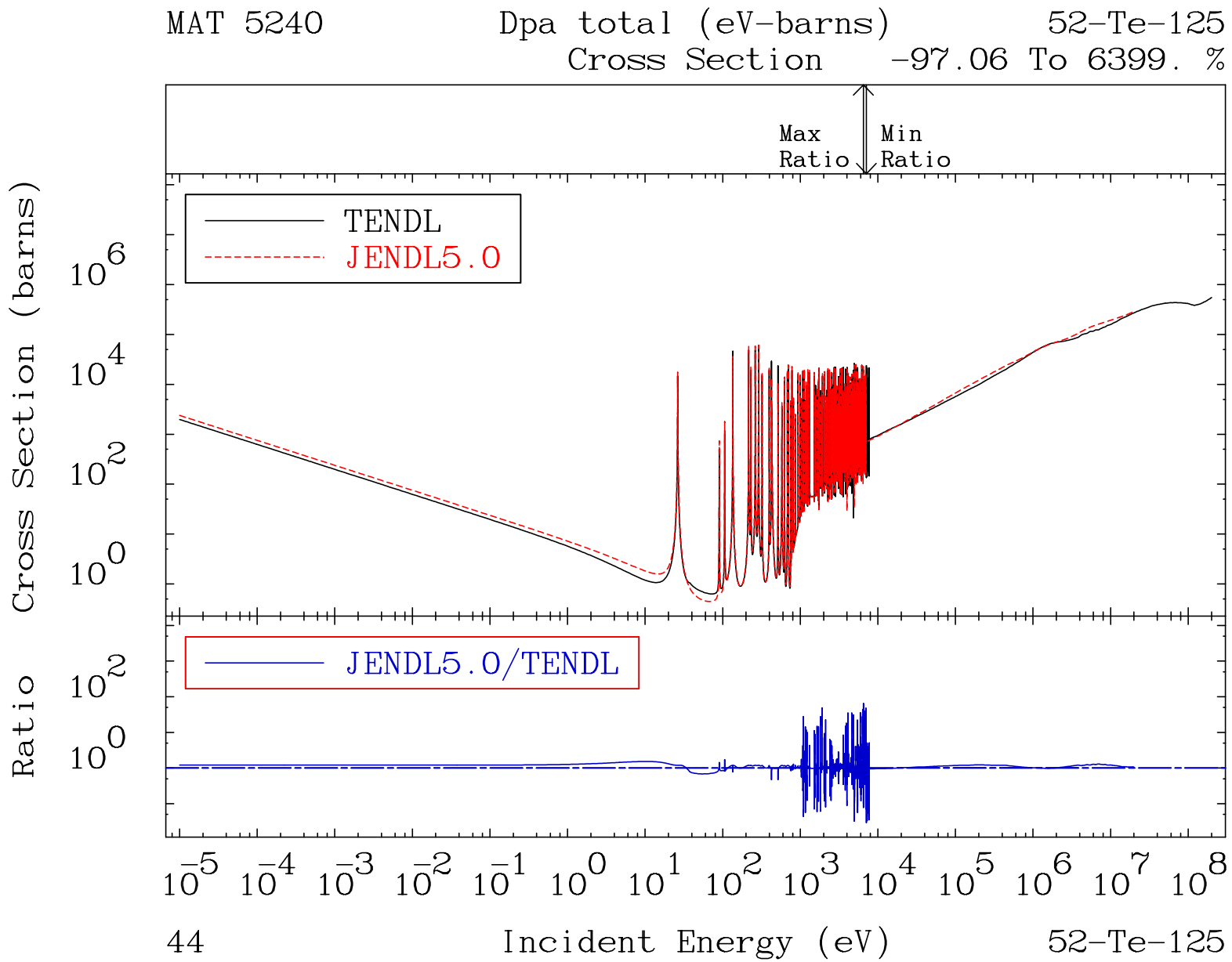

MAT 5240
Kerma inelastic (mt51-91)
52-Te-125
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 35.779 keV
JENDL5.0 Threshold 35.779 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
52-Te-125

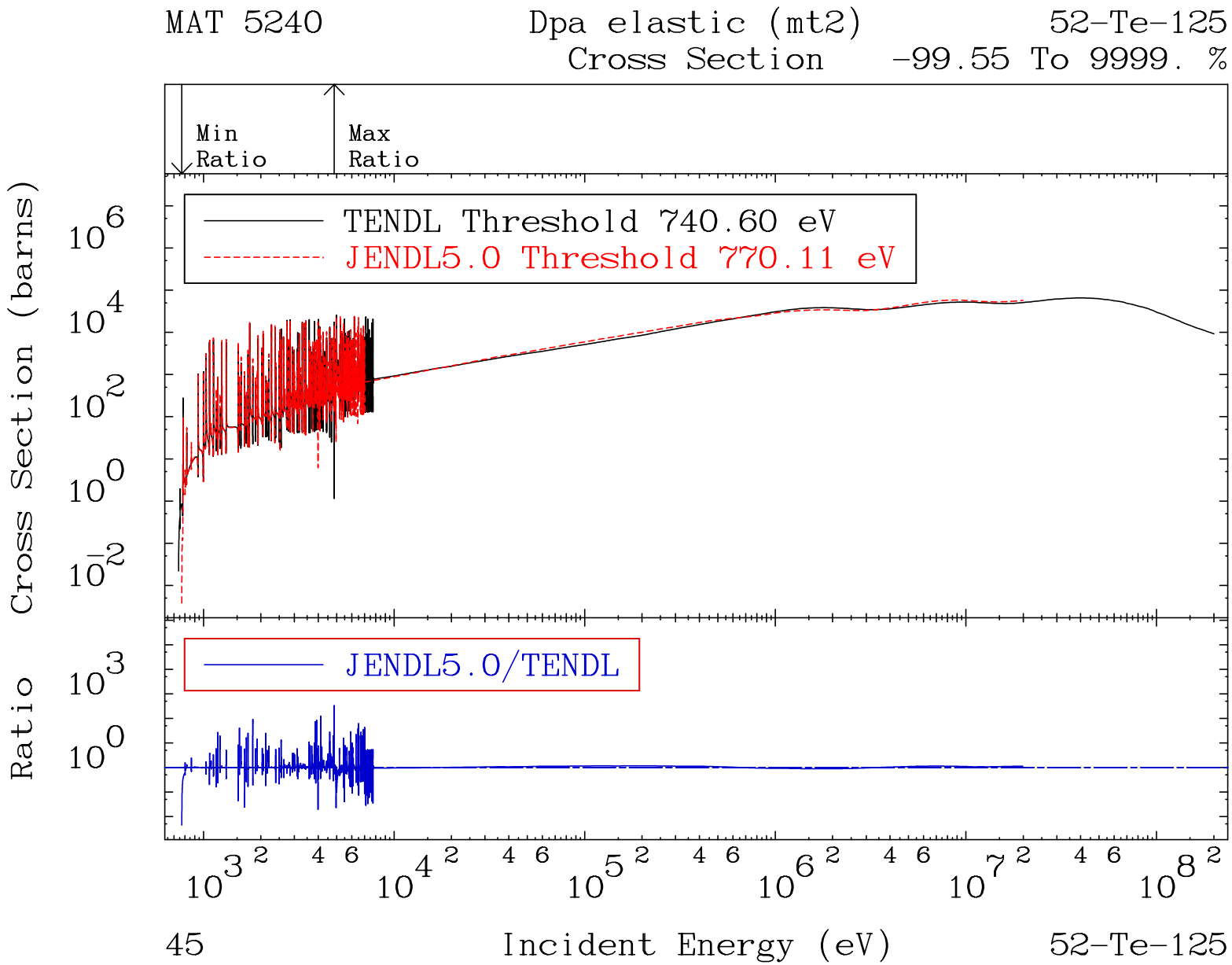

MAT 5240 Kerma fission (mt18 or mt19-20-21-38) 52-Te-125
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{4}
10^{0}
10^{-4}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
40
Incident Energy (eV)
52-Te-125

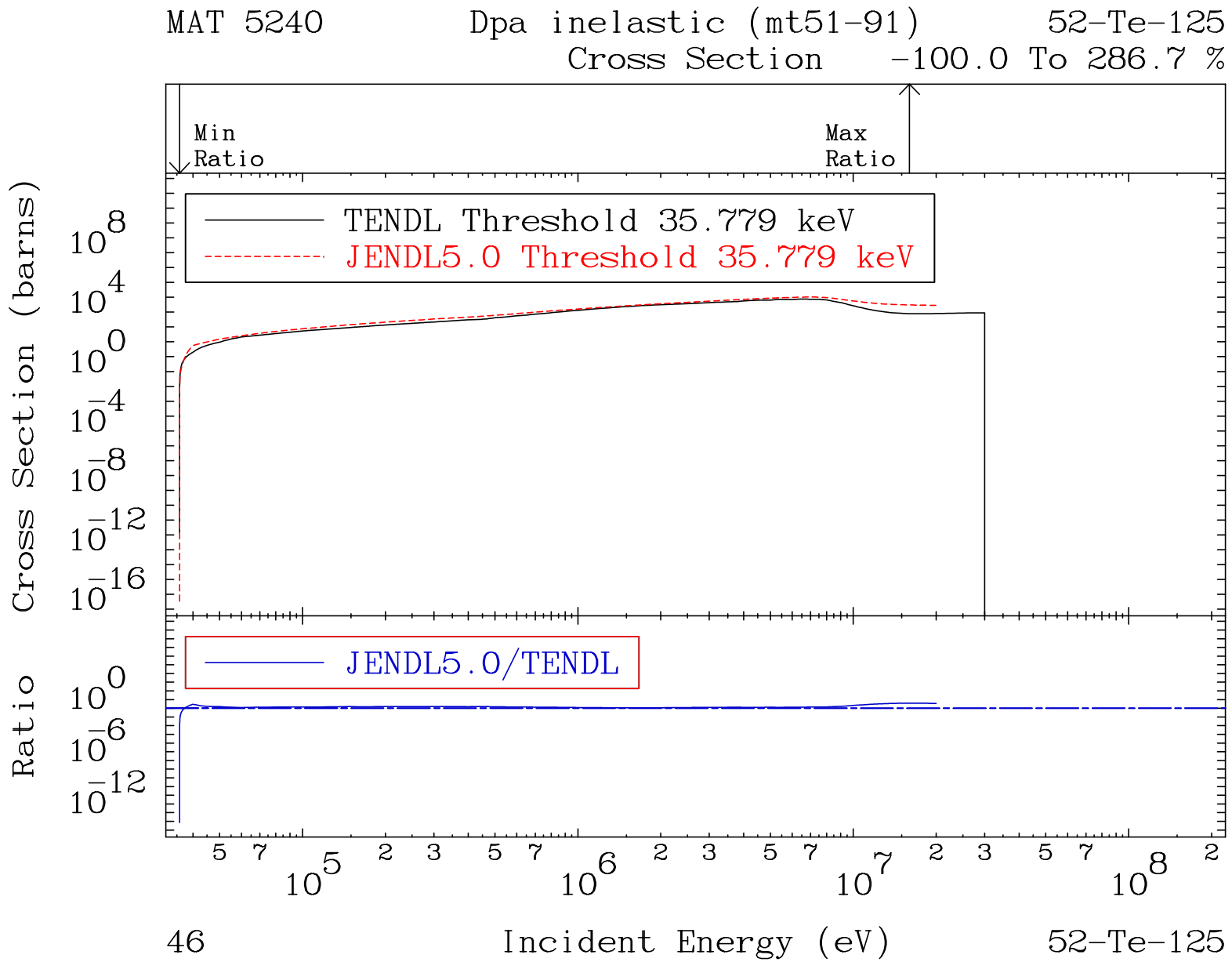

MAT 5240
Kerma capture (mt102)
52-Te-125
Cross Section
-98.77 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
52-Te-125

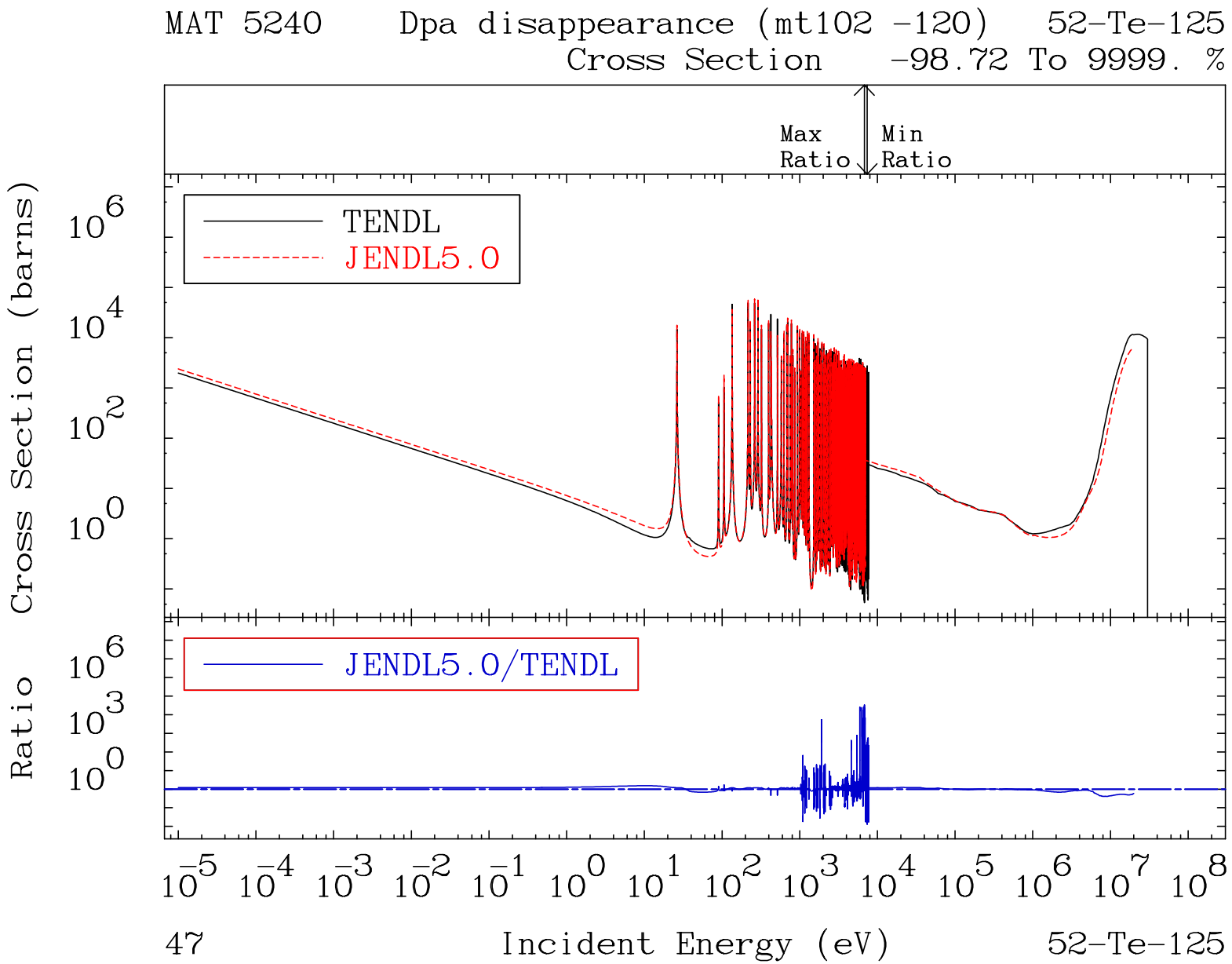

MAT 5240
Total photon (eV-barns)
52-Te-125
Cross Section
-99.09 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^10
10^8
10^6
10^4
JENDL5.0/TENDL
Ratio
10^6
10^3
10^0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
42
Incident Energy (eV)
52-Te-125

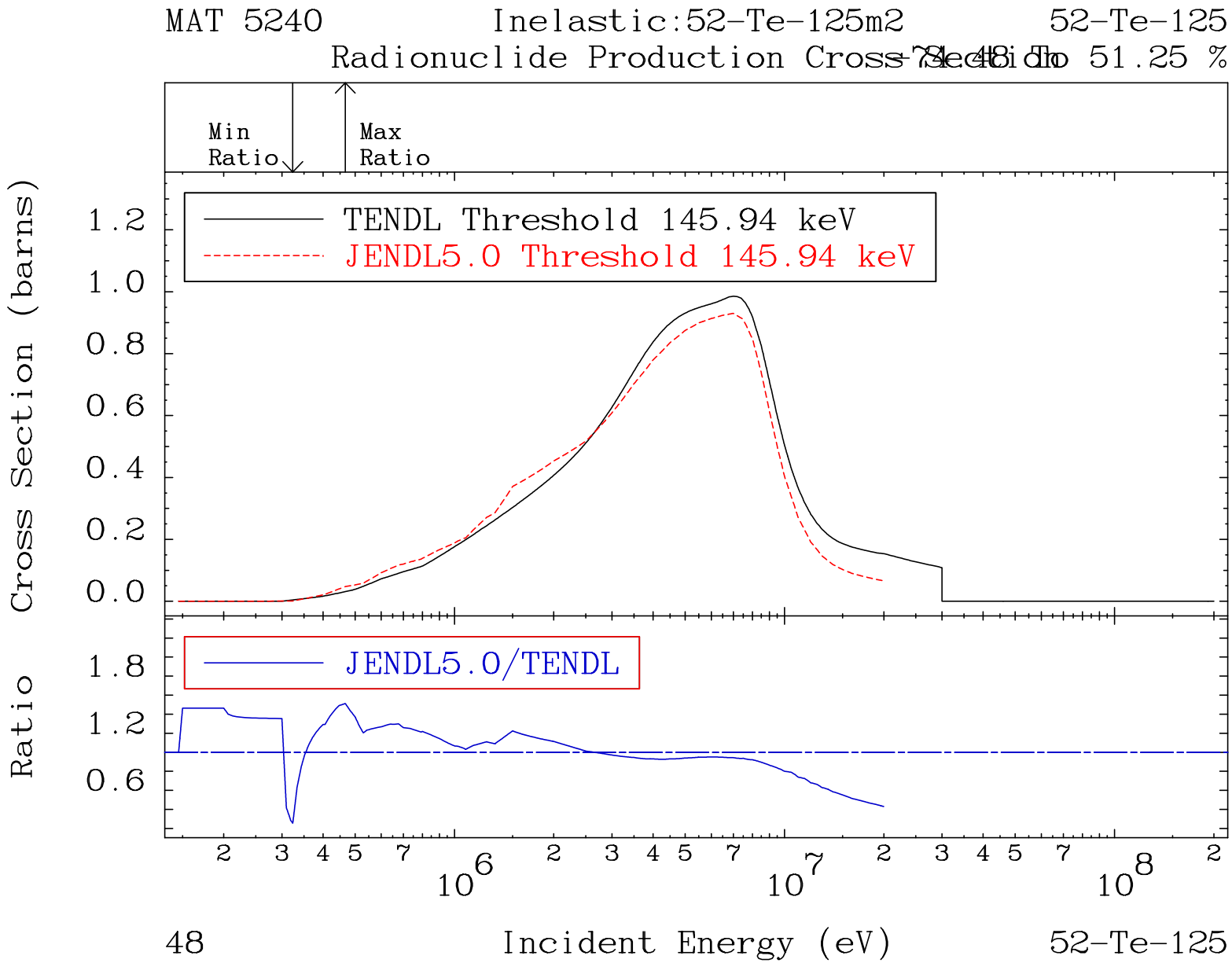

MAT 5240 Total kinematic kerma (high limit) 52-Te-125
Cross Section -97.04 To 6412. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
43
52-Te-125

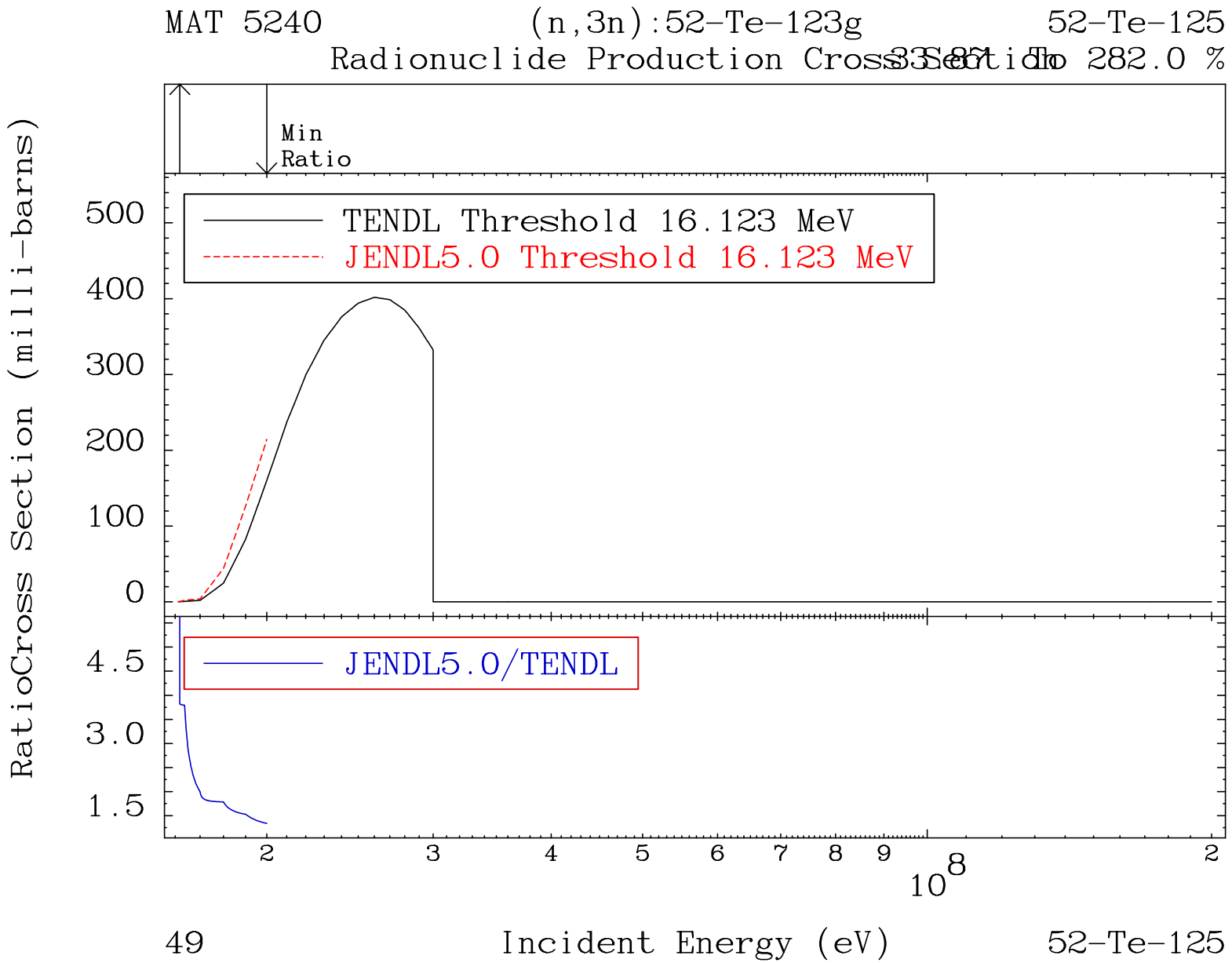

MAT 5240
Dpa total (eV-barns)
52-Te-125
Cross Section
-97.06 To 6399. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
44
52-Te-125

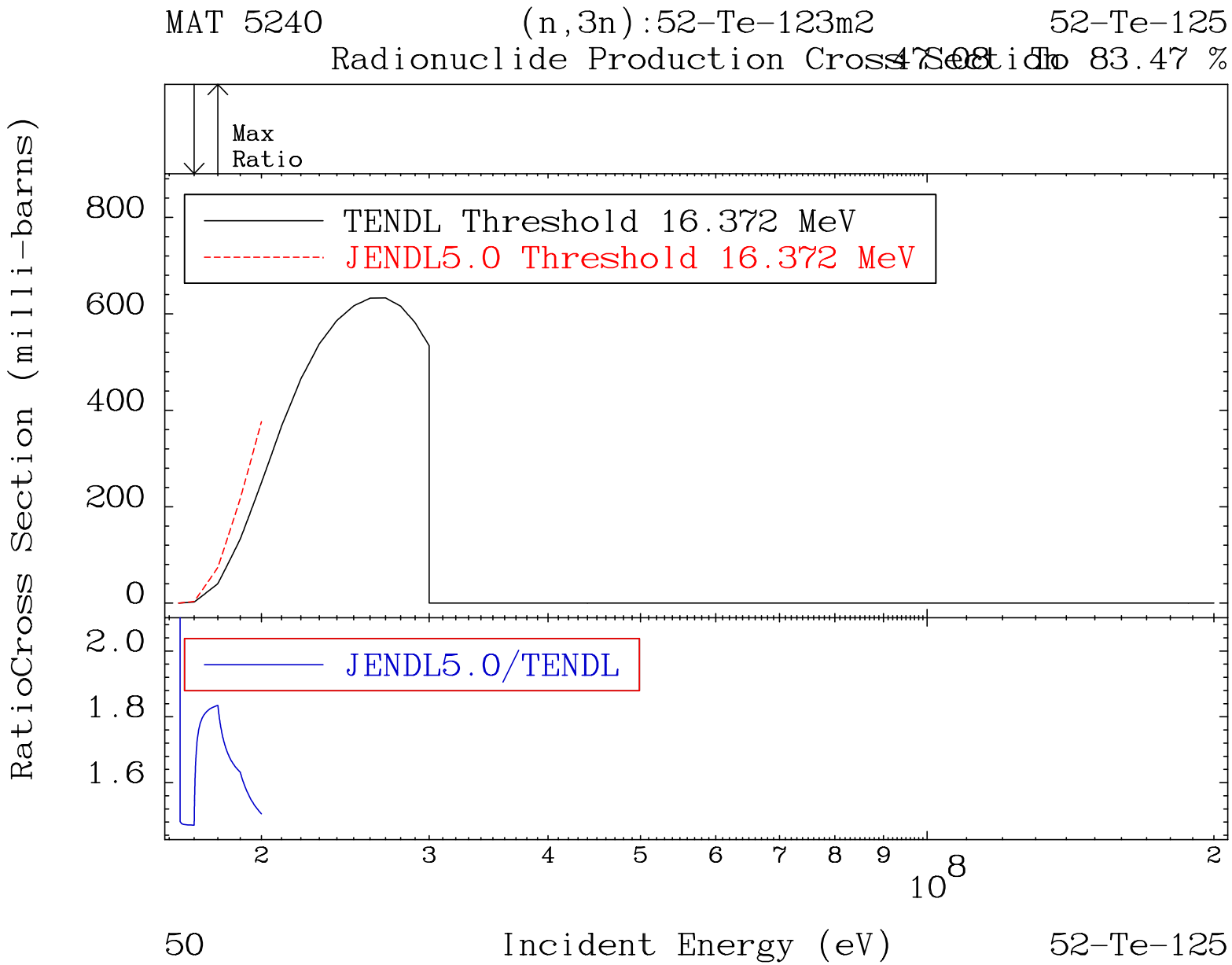

MAT 5240
Dpa elastic (mt2)
Cross Section
52-Te-125
-99.55 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 740.60 eV
JENDL5.0 Threshold 770.11 eV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
45
52-Te-125

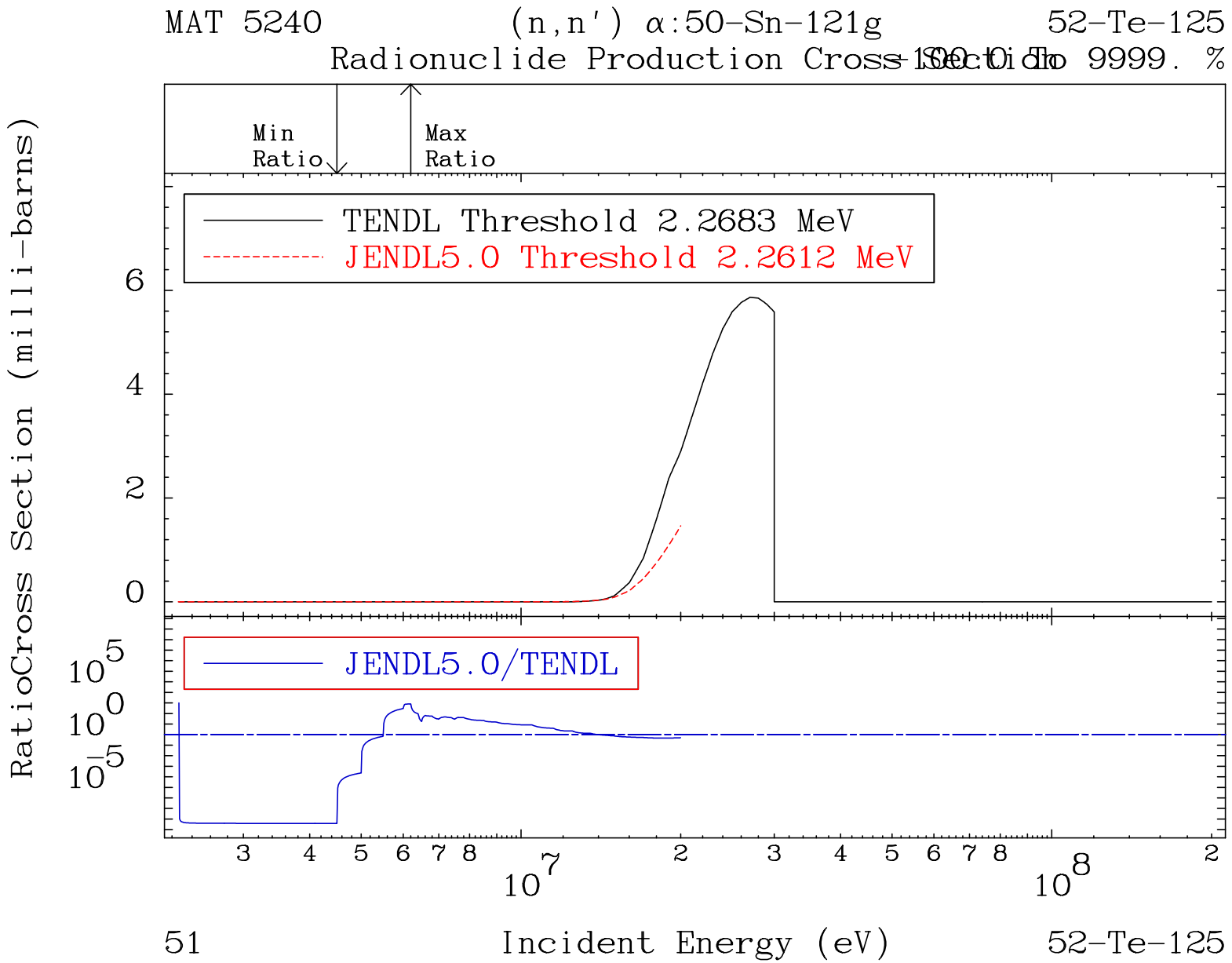

MAT 5240
Dpa inelastic (mt51-91)
52-Te-125
Cross Section
-100.0 To 286.7 %
Min Ratio
Max Ratio
TENDL Threshold 35.779 keV
JENDL5.0 Threshold 35.779 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
46
52-Te-125

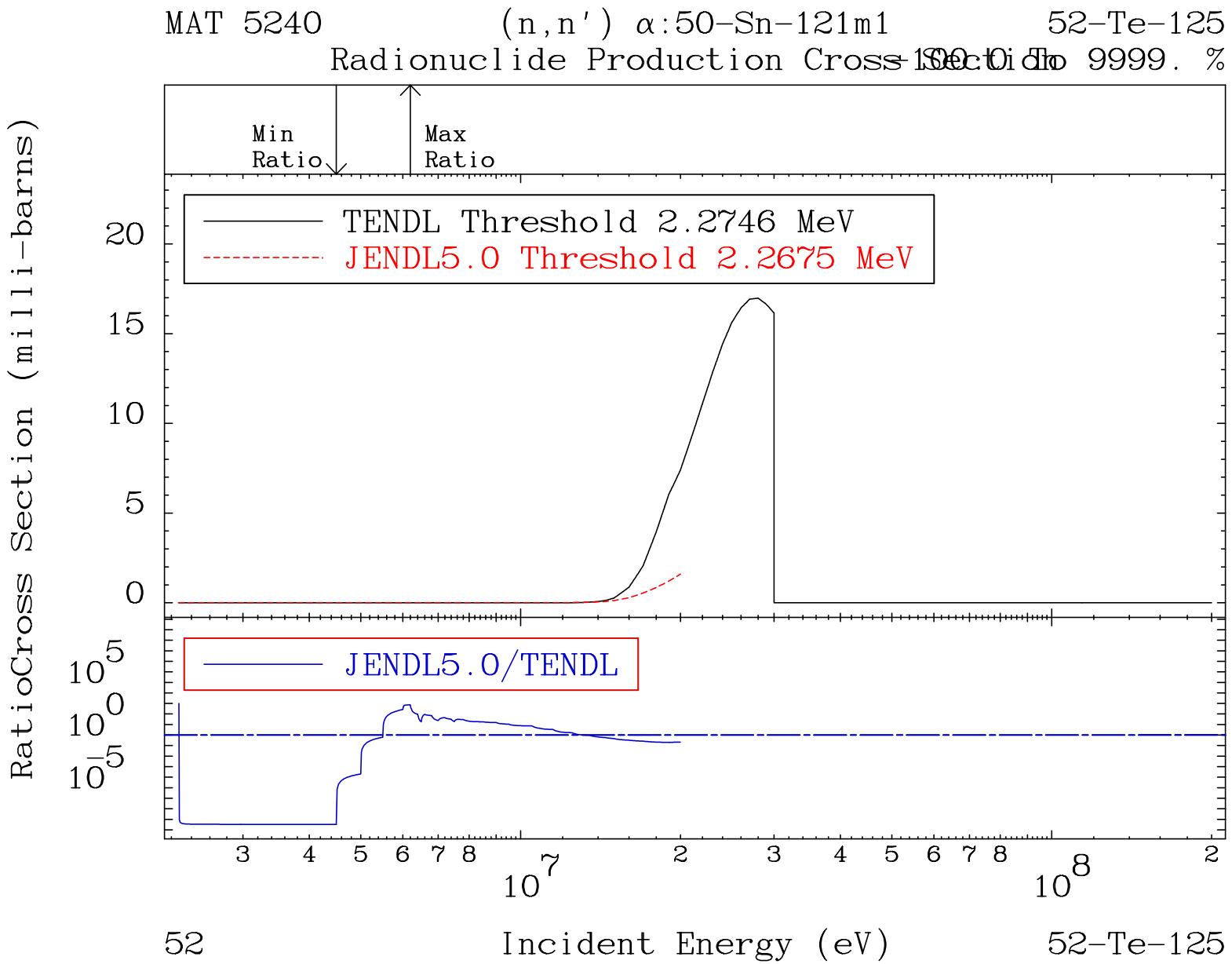

MAT 5240 Dpa disappearance (mt102 -120) 52-Te-125
Cross Section -98.72 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
47
52-Te-125

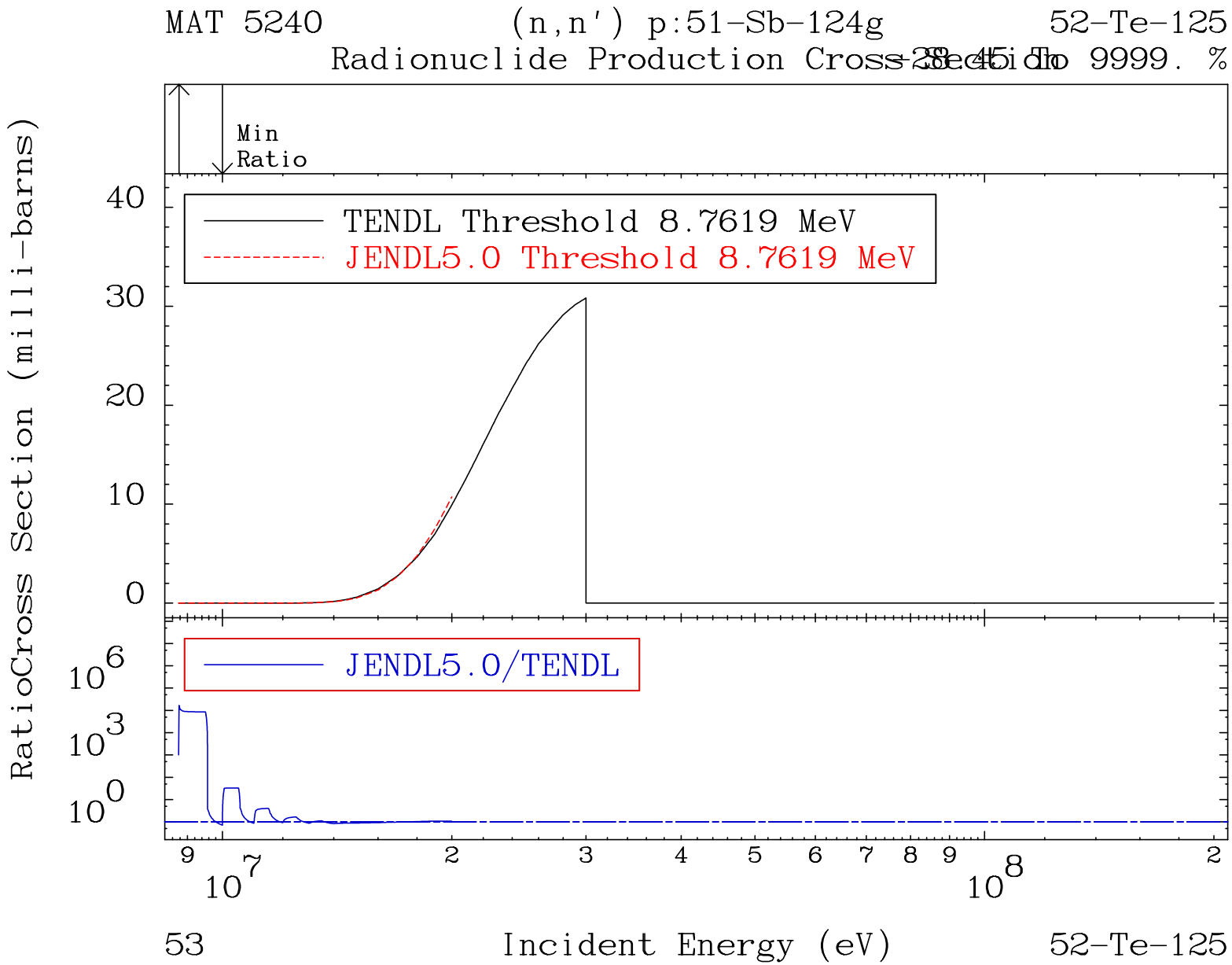

MAT 5240
Inelastic:52-Te-125m2
52-Te-125
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 145.94 keV
JENDL5.0 Threshold 145.94 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
52-Te-125

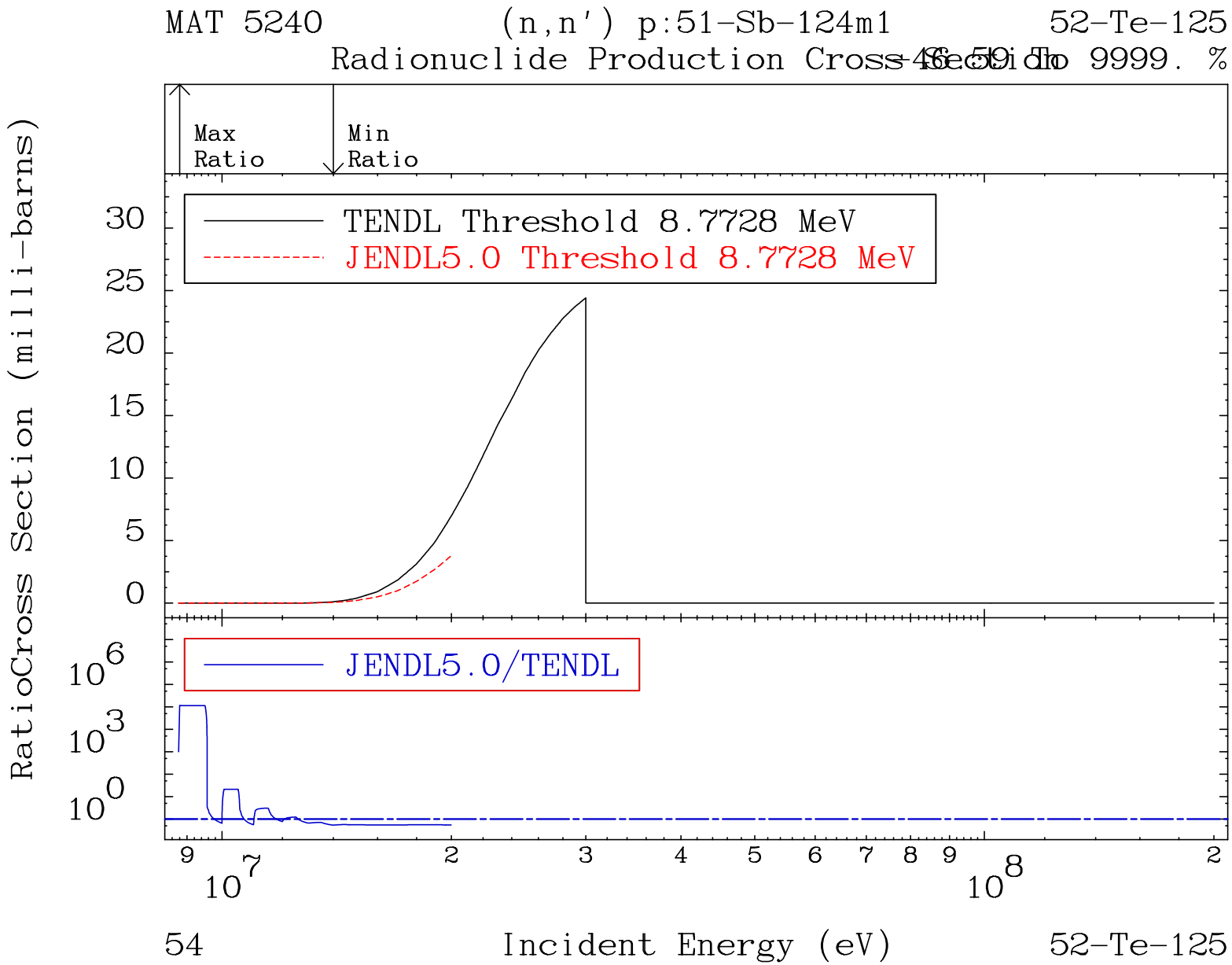

MAT 5240
(n,3n):52-Te-123g
52-Te-125
Radionuclide Production Cross Section
33.87 To 282.0 %
Min
Ratio
TENDL Threshold 16.123 MeV
JENDL5.0 Threshold 16.123 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
4.5
3.0
1.5
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
52-Te-125

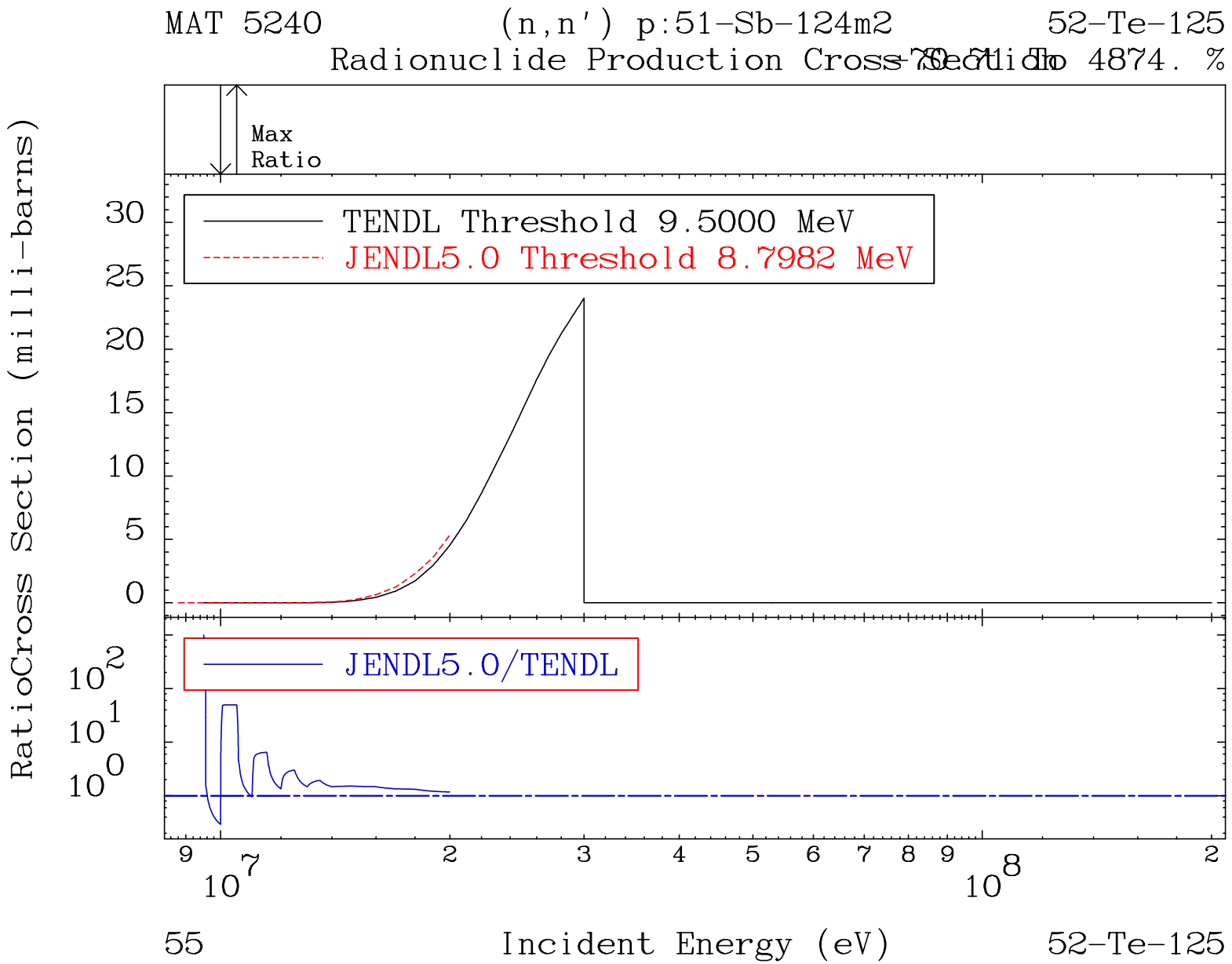

MAT 5240
(n,3n):52-Te-123m2
52-Te-125
Radionuclide Production Cross Section
47.08 To 83.47 %
Max
Ratio
TENDL Threshold 16.372 MeV
JENDL5.0 Threshold 16.372 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
2.0
1.8
1.6
2
3
4
5
6
7
8
9
10^8
2
50
Incident Energy (eV)
52-Te-125

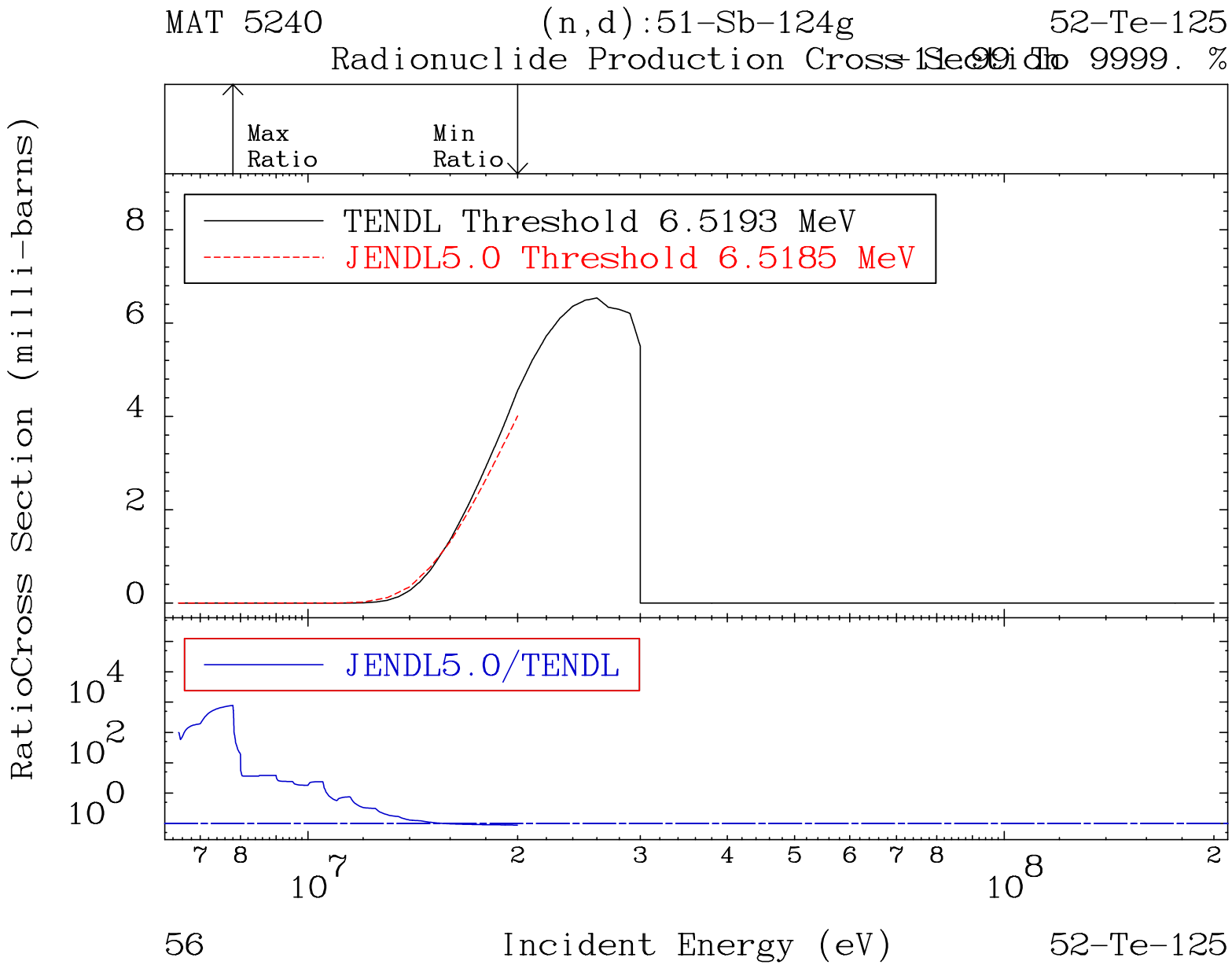

MAT 5240
(n,n') α:50-Sn-121g
52-Te-125
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 2.2683 MeV
JENDL5.0 Threshold 2.2612 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
51
52-Te-125

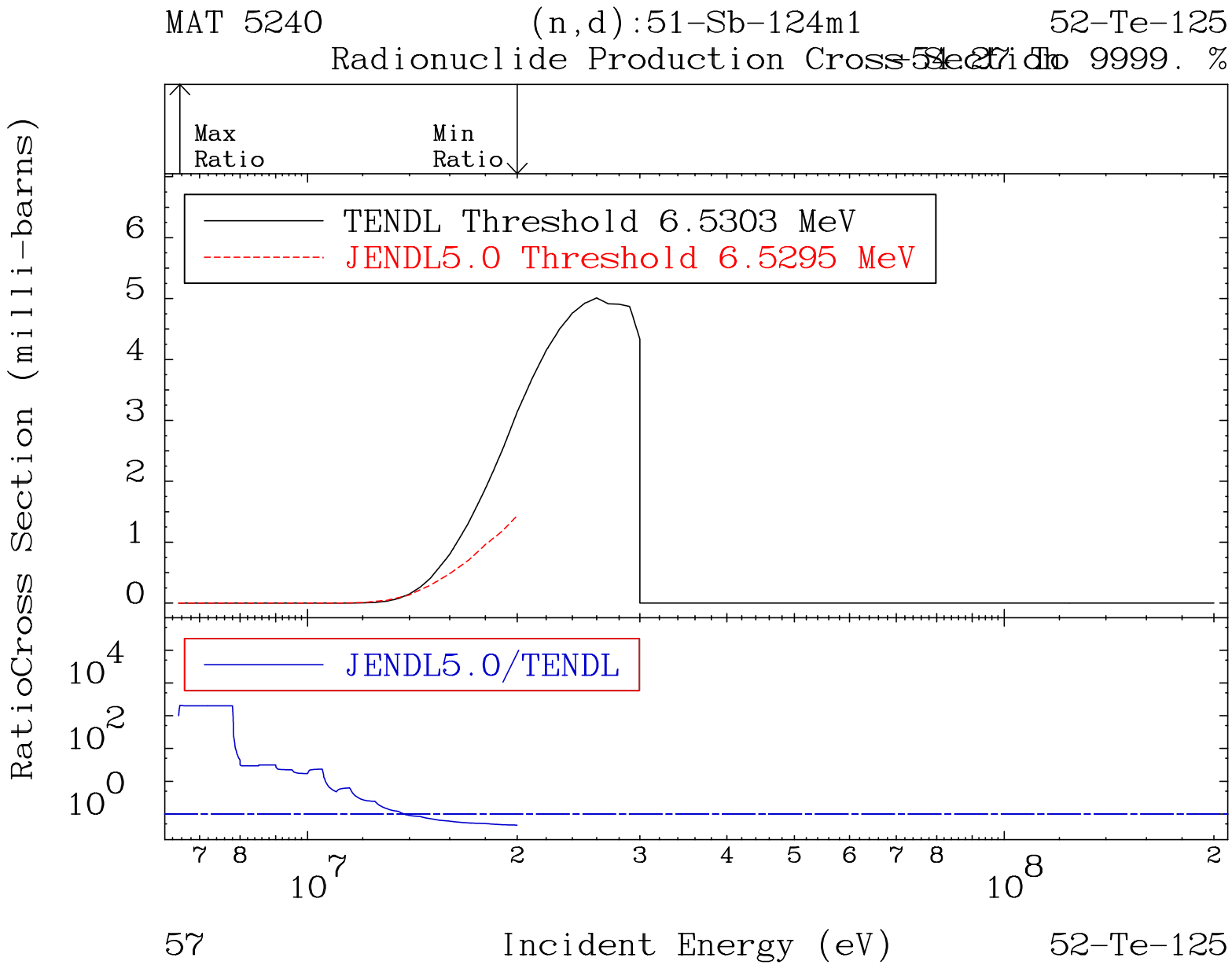

MAT 5240
(n,n') α:50-Sn-121m1
52-Te-125
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 2.2746 MeV
JENDL5.0 Threshold 2.2675 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
52
52-Te-125

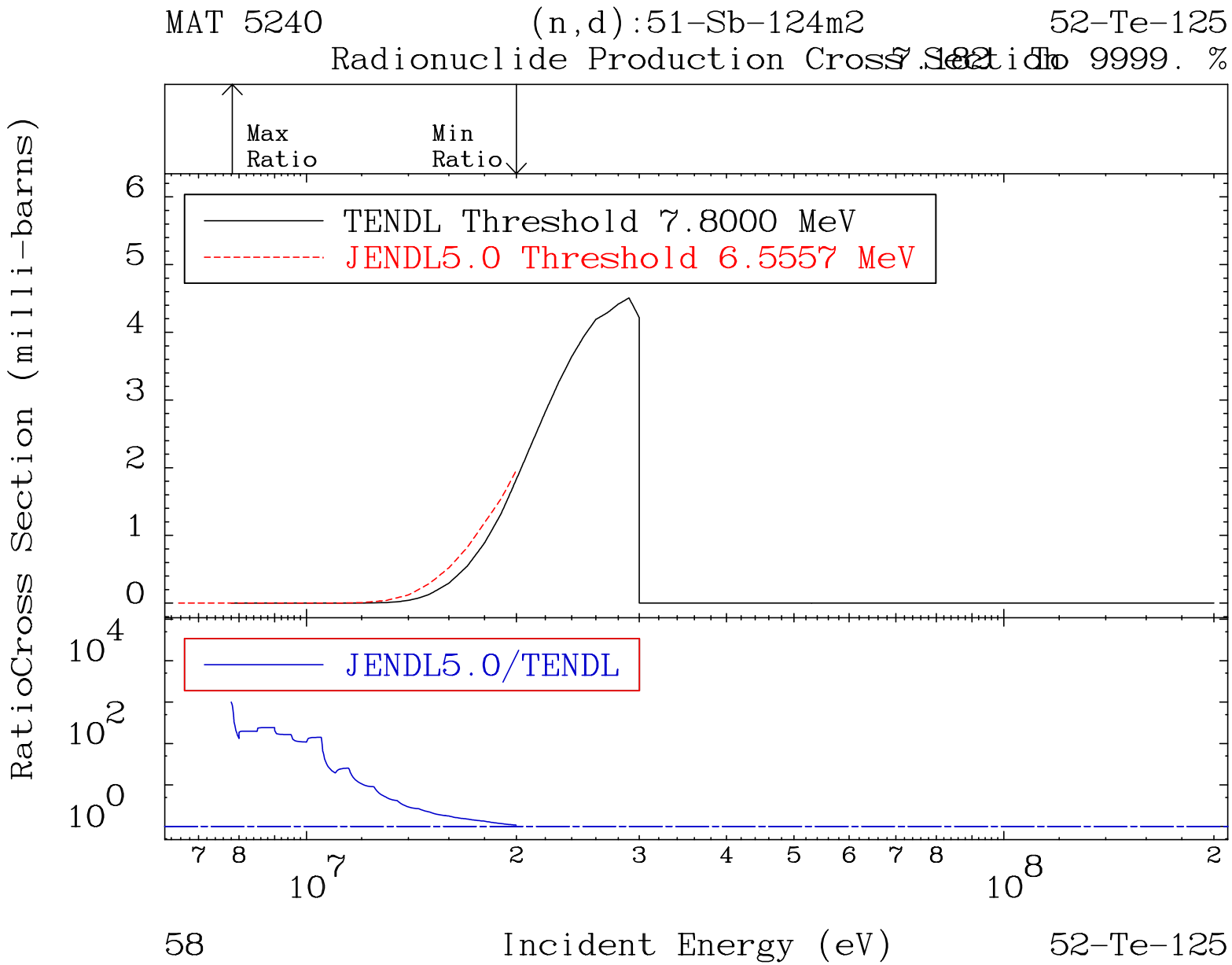

MAT 5240
(n,n') p:51-Sb-124g
52-Te-125
Radionuclide Production Cross Section
Min
Ratio
TENDL Threshold 8.7619 MeV
JENDL5.0 Threshold 8.7619 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
53
52-Te-125

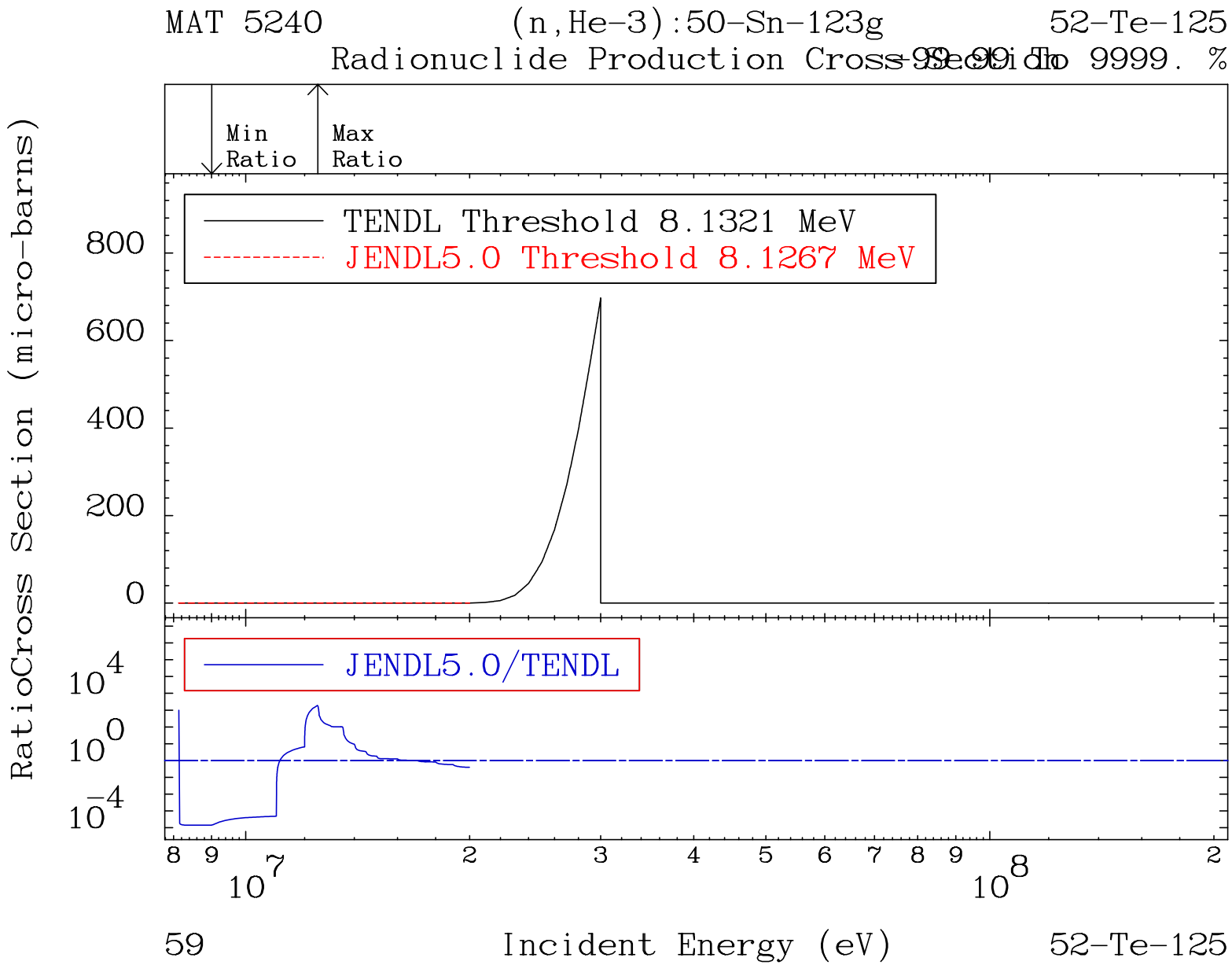

MAT 5240 (n,n') p:51-Sb-124m1 52-Te-125
Radionuclide Production Cross-Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 8.7728 MeV
JENDL5.0 Threshold 8.7728 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
10^6
10^3
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
54
Incident Energy (eV)
52-Te-125

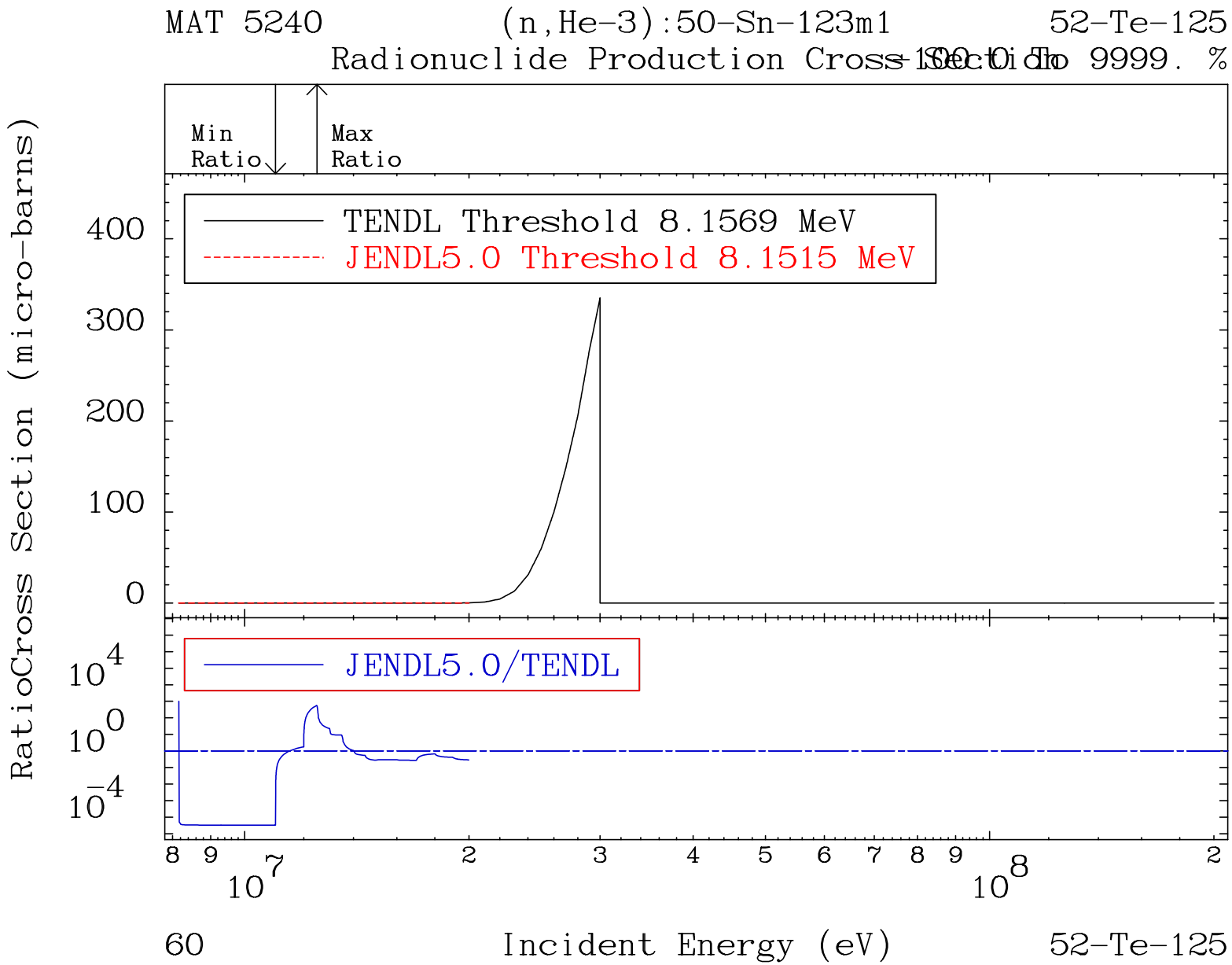

MAT 5240
(n,n') p:51-Sb-124m2
52-Te-125
Radionuclide Production Cross Section To 4874. %
Max
Ratio
TENDL Threshold 9.5000 MeV
JENDL5.0 Threshold 8.7982 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
55
52-Te-125

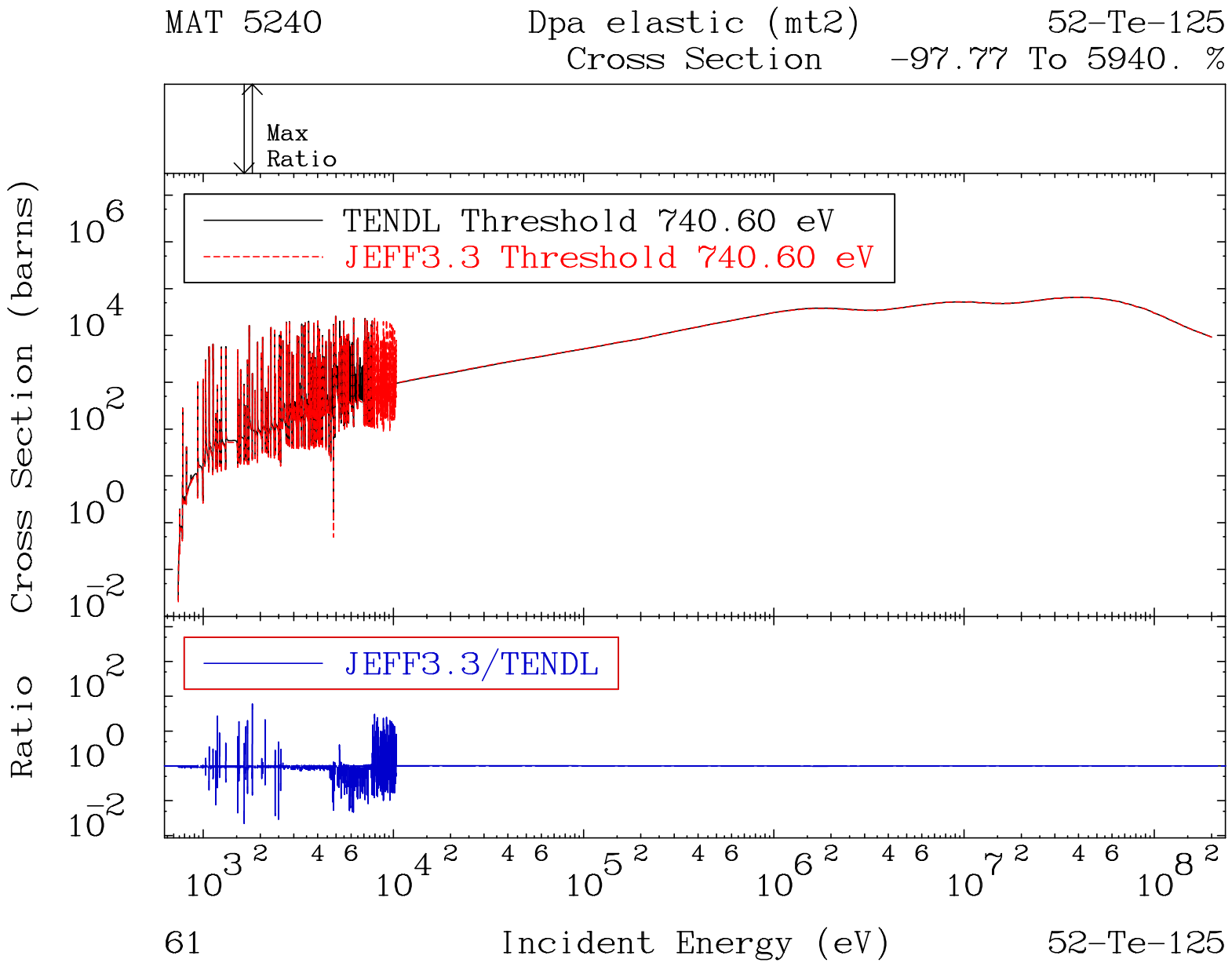

MAT 5240
(n,d):51-Sb-124g
52-Te-125
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 6.5193 MeV
JENDL5.0 Threshold 6.5185 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
56
52-Te-125

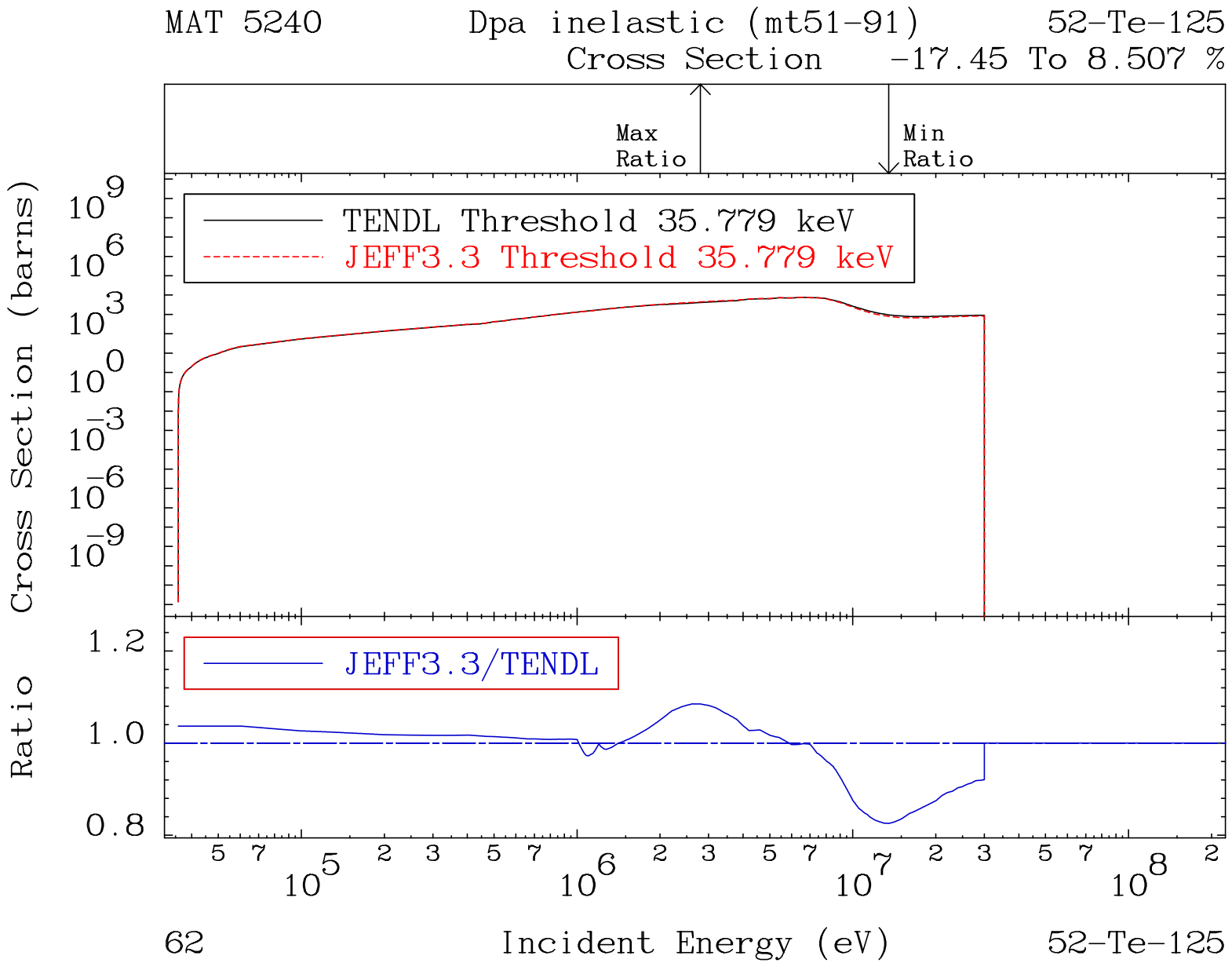

MAT 5240
(n,d):51-Sb-124m1
52-Te-125
Radionuclide Production Cross Section To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 6.5303 MeV
JENDL5.0 Threshold 6.5295 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
57
52-Te-125

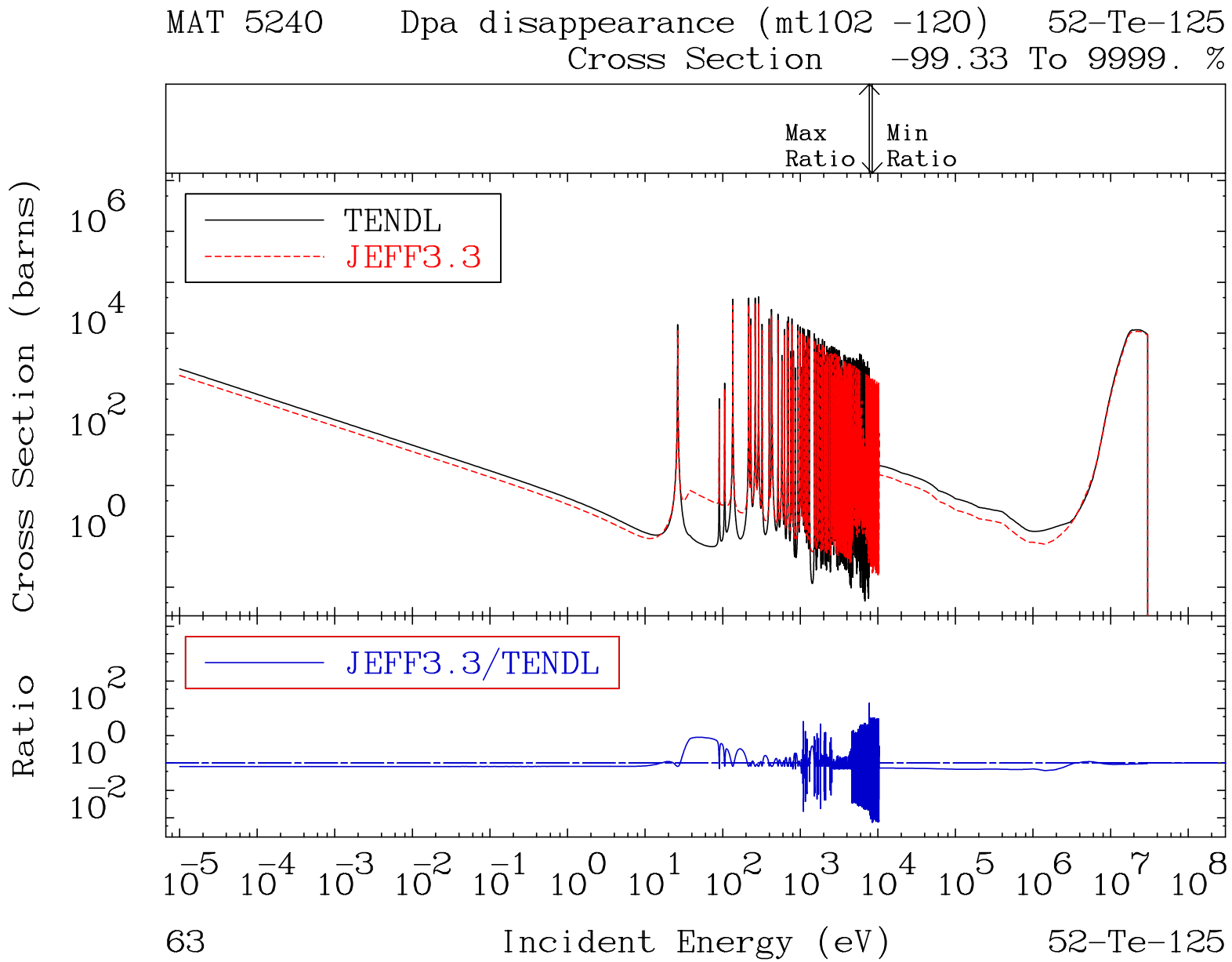

MAT 5240
(n,d):51-Sb-124m2
52-Te-125
Radionuclide Production Cross Section
7.182 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.8000 MeV
JENDL5.0 Threshold 6.5557 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
58
52-Te-125

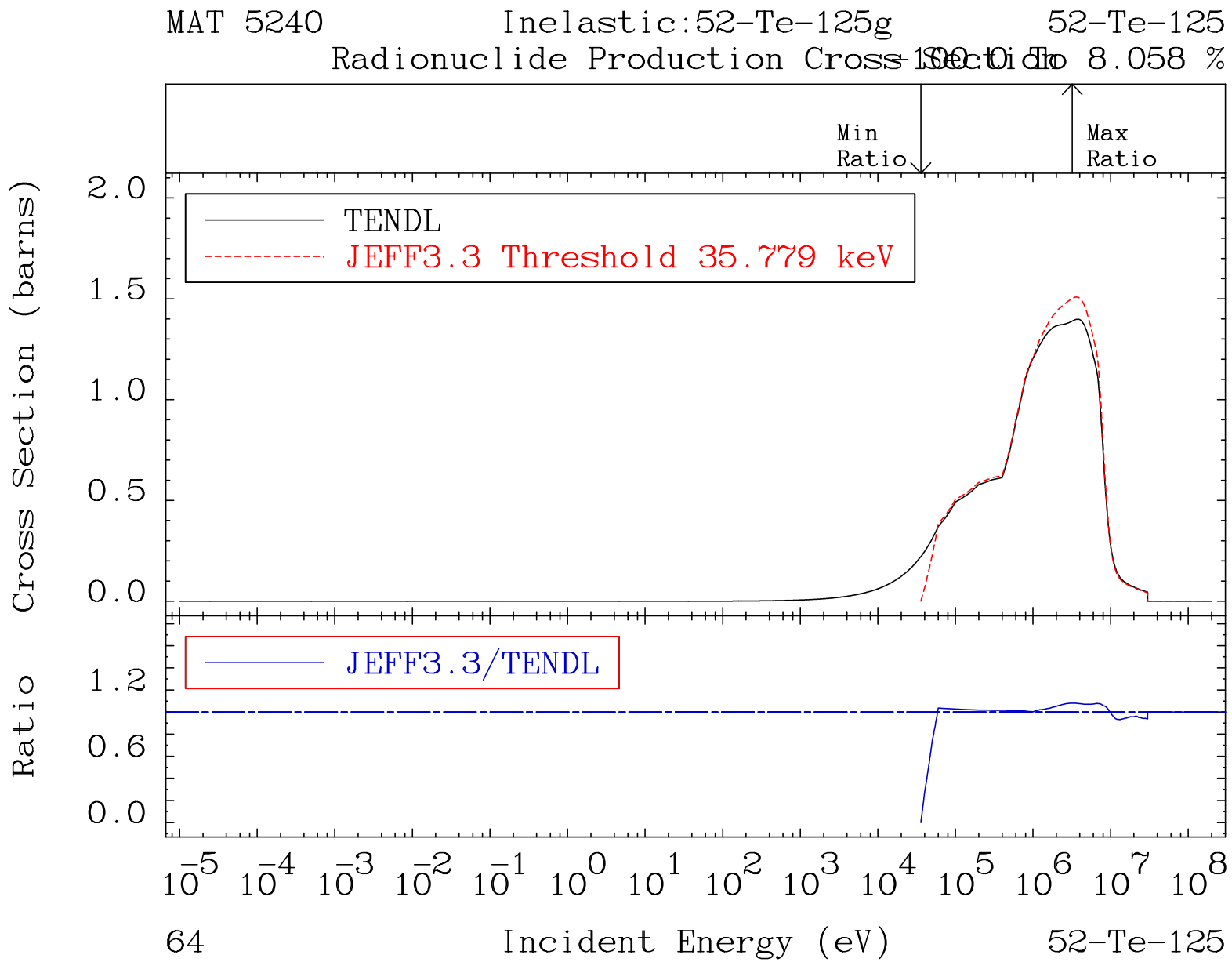

MAT 5240
(n,He-3):50-Sn-123g
52-Te-125
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 8.1321 MeV
JENDL5.0 Threshold 8.1267 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
800
600
400
200
0
10^4
10^0
10^-4
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
59
Incident Energy (eV)
52-Te-125

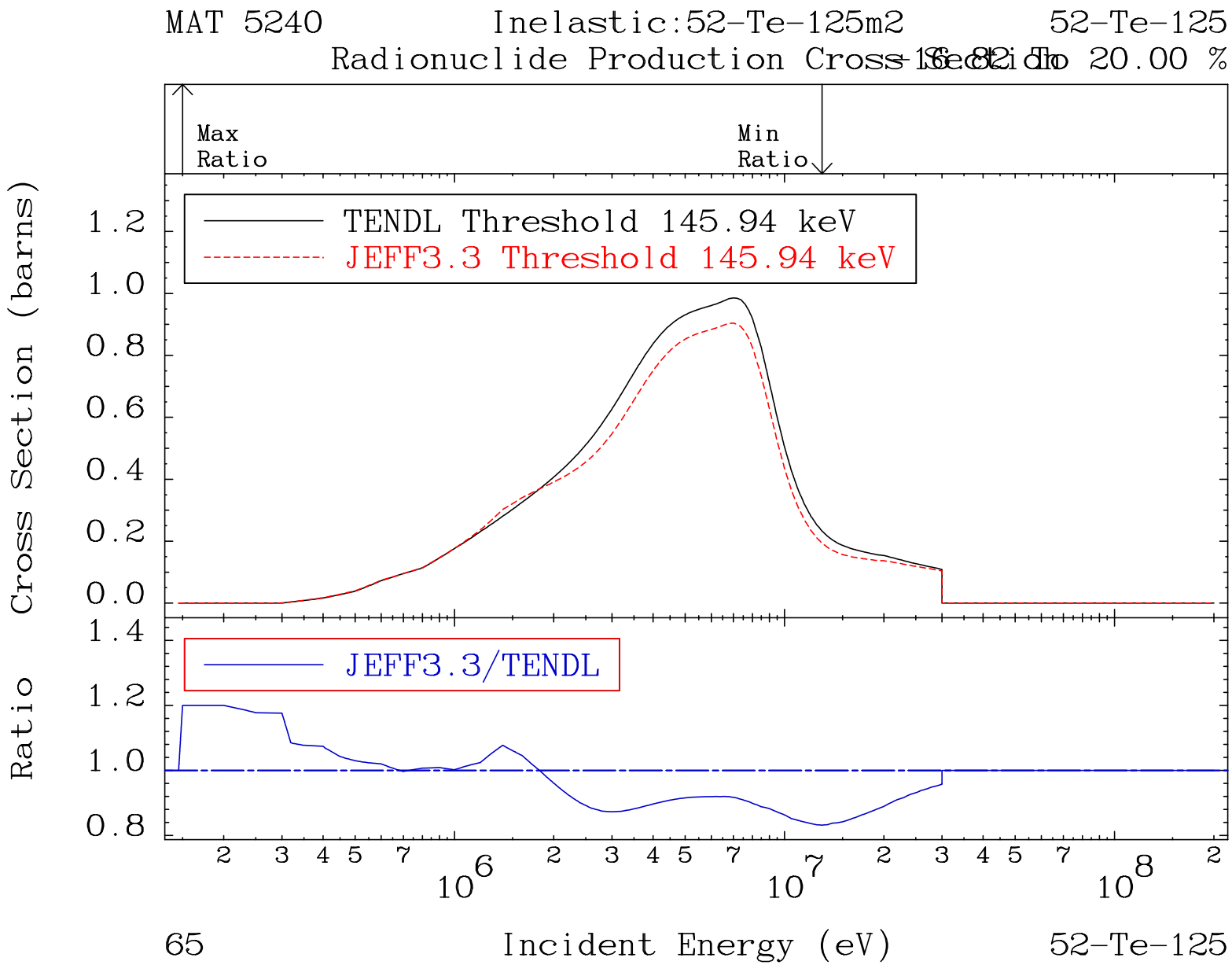

MAT 5240
(n,He-3):50-Sn-123m1
52-Te-125
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 8.1569 MeV
JENDL5.0 Threshold 8.1515 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
60
52-Te-125

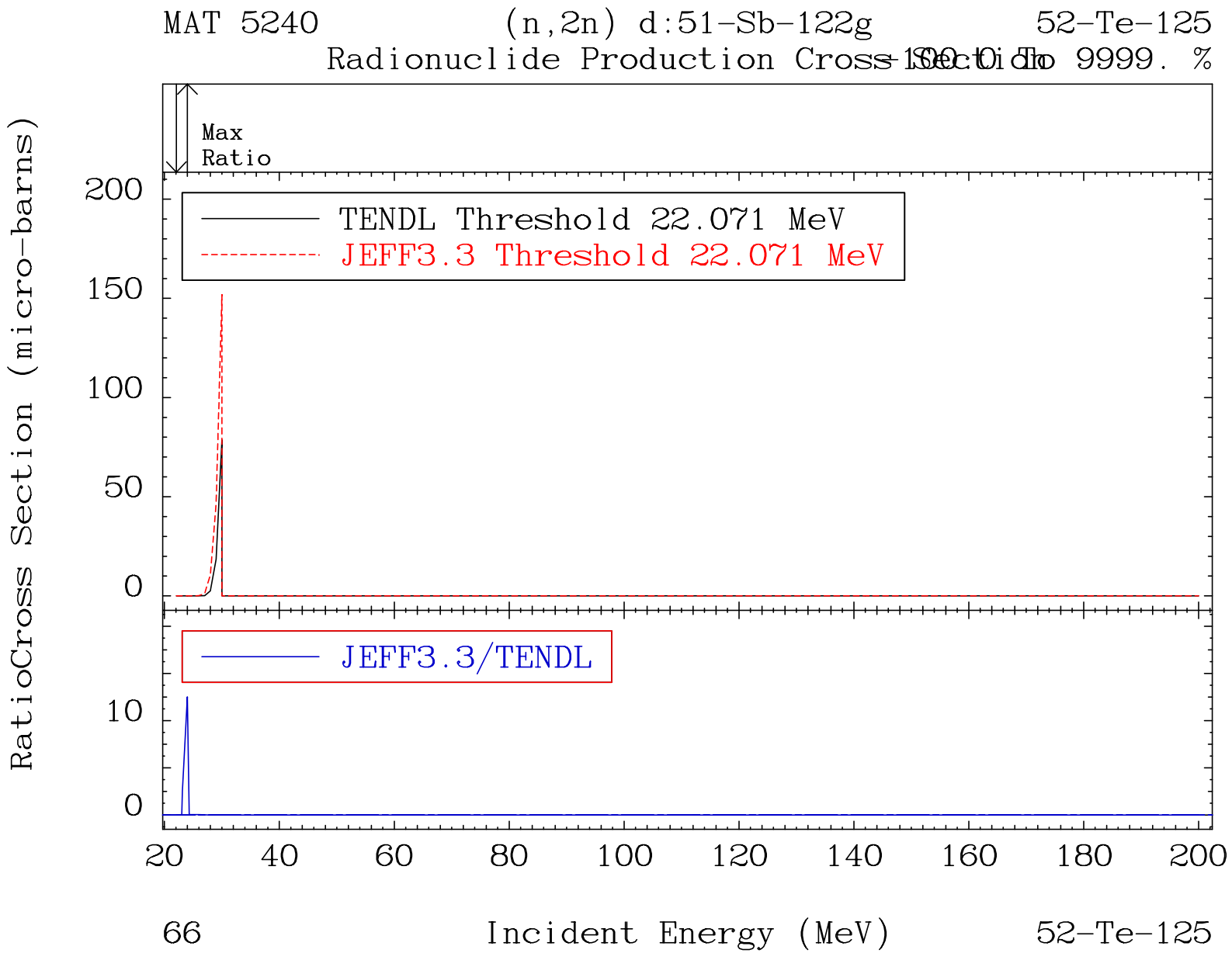

MAT 5240
Dpa elastic (mt2)
Cross Section
52-Te-125
-97.77 To 5940. %
Max
Ratio
TENDL Threshold 740.60 eV
JEFF3.3 Threshold 740.60 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
52-Te-125

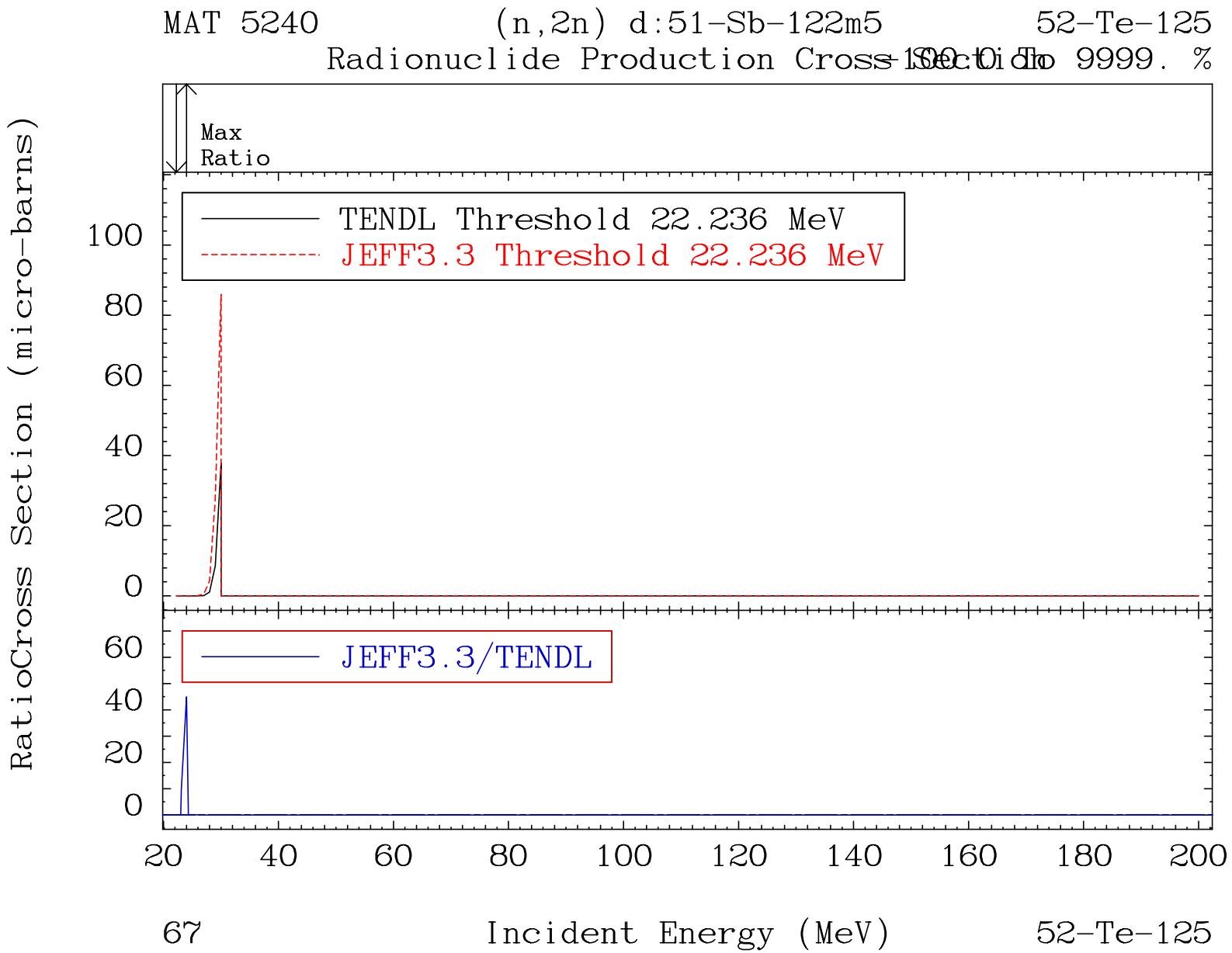

MAT 5240
Dpa inelastic (mt51-91)
52-Te-125
Cross Section
-17.45 To 8.507 %
Max Ratio
Min Ratio
TENDL Threshold 35.779 keV
JEFF3.3 Threshold 35.779 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
62
52-Te-125

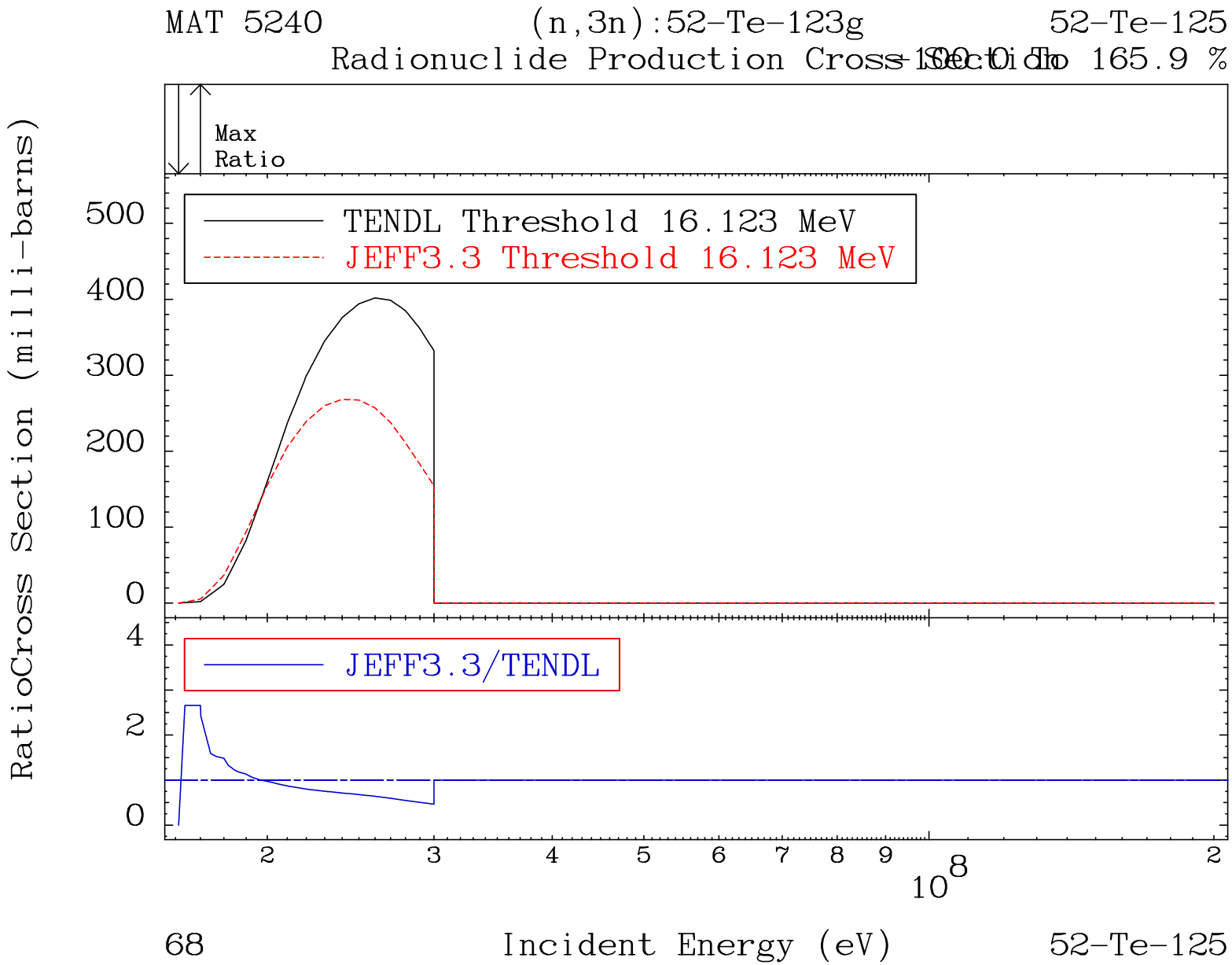

MAT 5240 Dpa disappearance (mt102 -120) 52-Te-125
Cross Section -99.33 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
52-Te-125

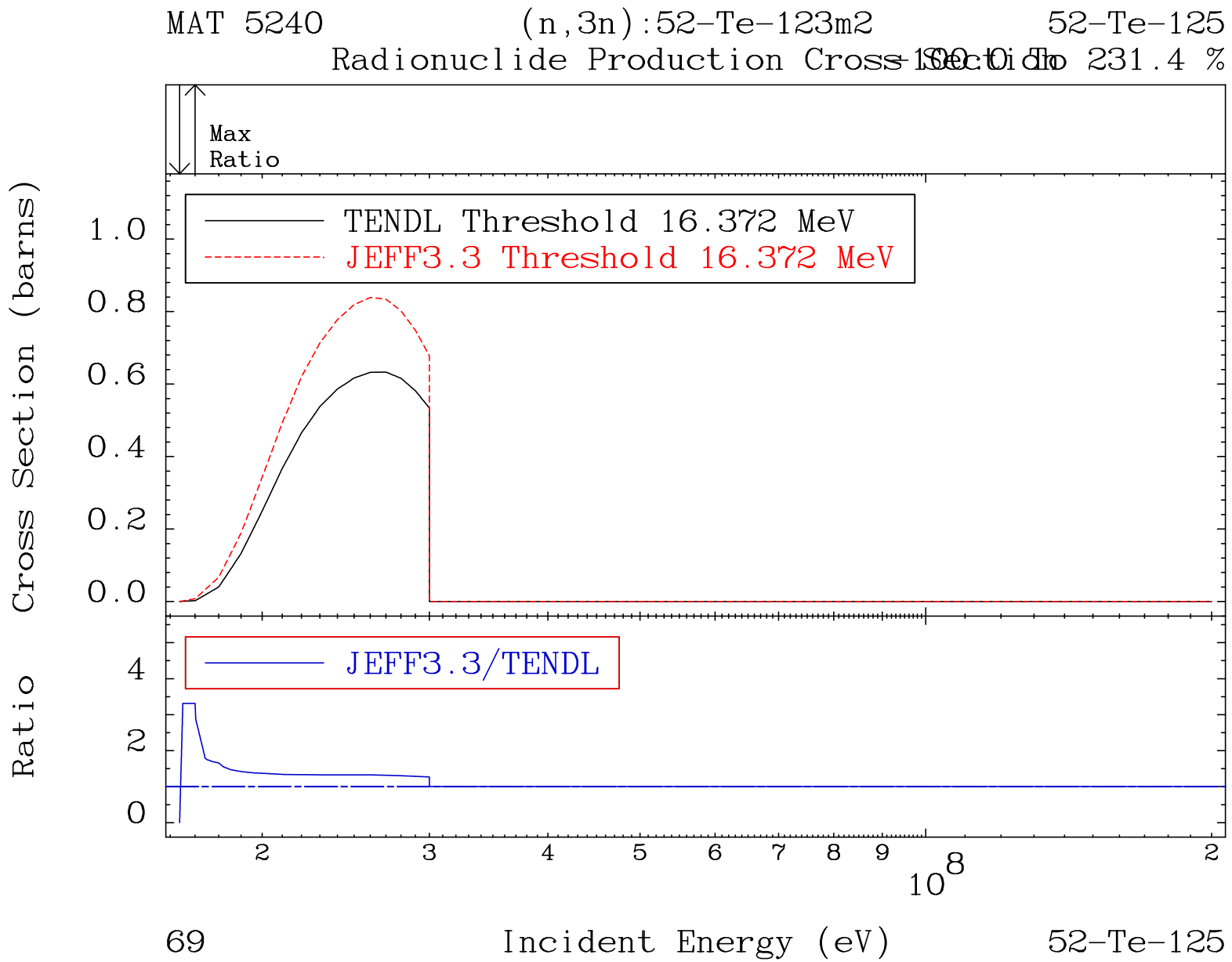

MAT 5240
Inelastic:52-Te-125g
52-Te-125
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL
JEFF3.3 Threshold 35.779 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.2
0.6
0.0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
64
Incident Energy (eV)
52-Te-125

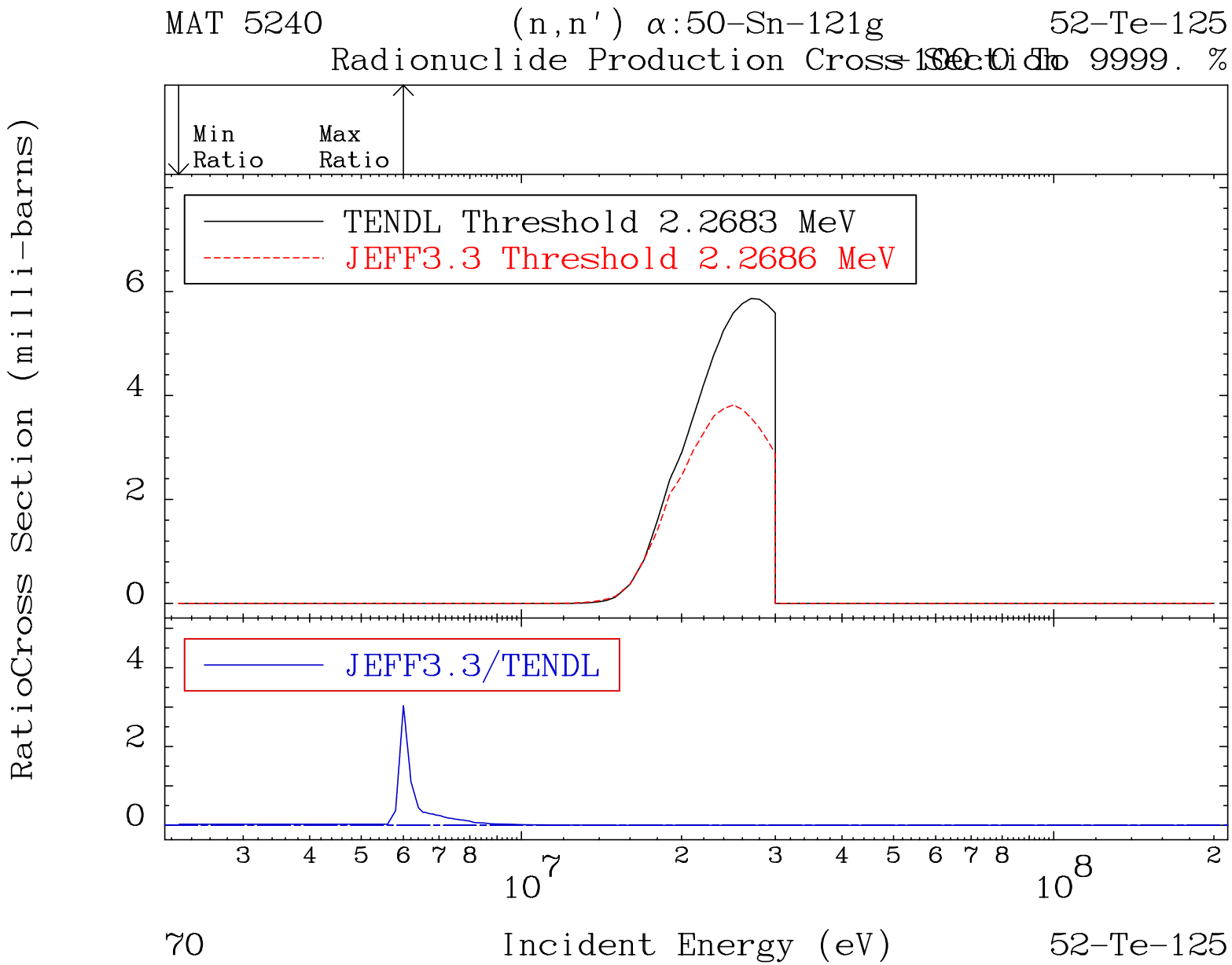

MAT 5240
Inelastic:52-Te-125m2
52-Te-125
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 145.94 keV
JEFF3.3 Threshold 145.94 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
65
52-Te-125

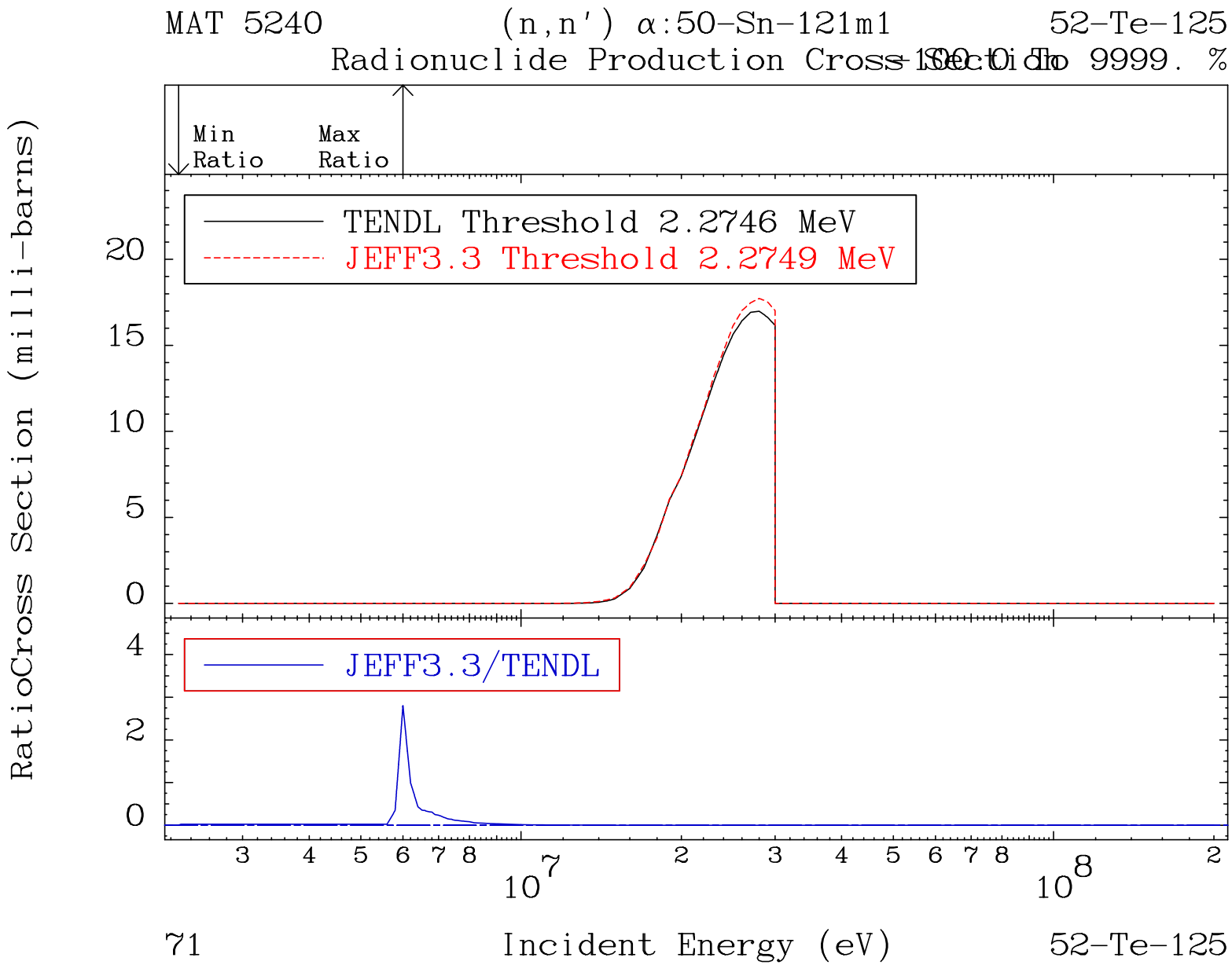

MAT 5240
(n,2n) d:51-Sb-122g
52-Te-125
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 22.071 MeV
JEFF3.3 Threshold 22.071 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
200
150
100
50
0
10
0
20
40
60
80
100
120
140
160
180
200
66
Incident Energy (MeV)
52-Te-125

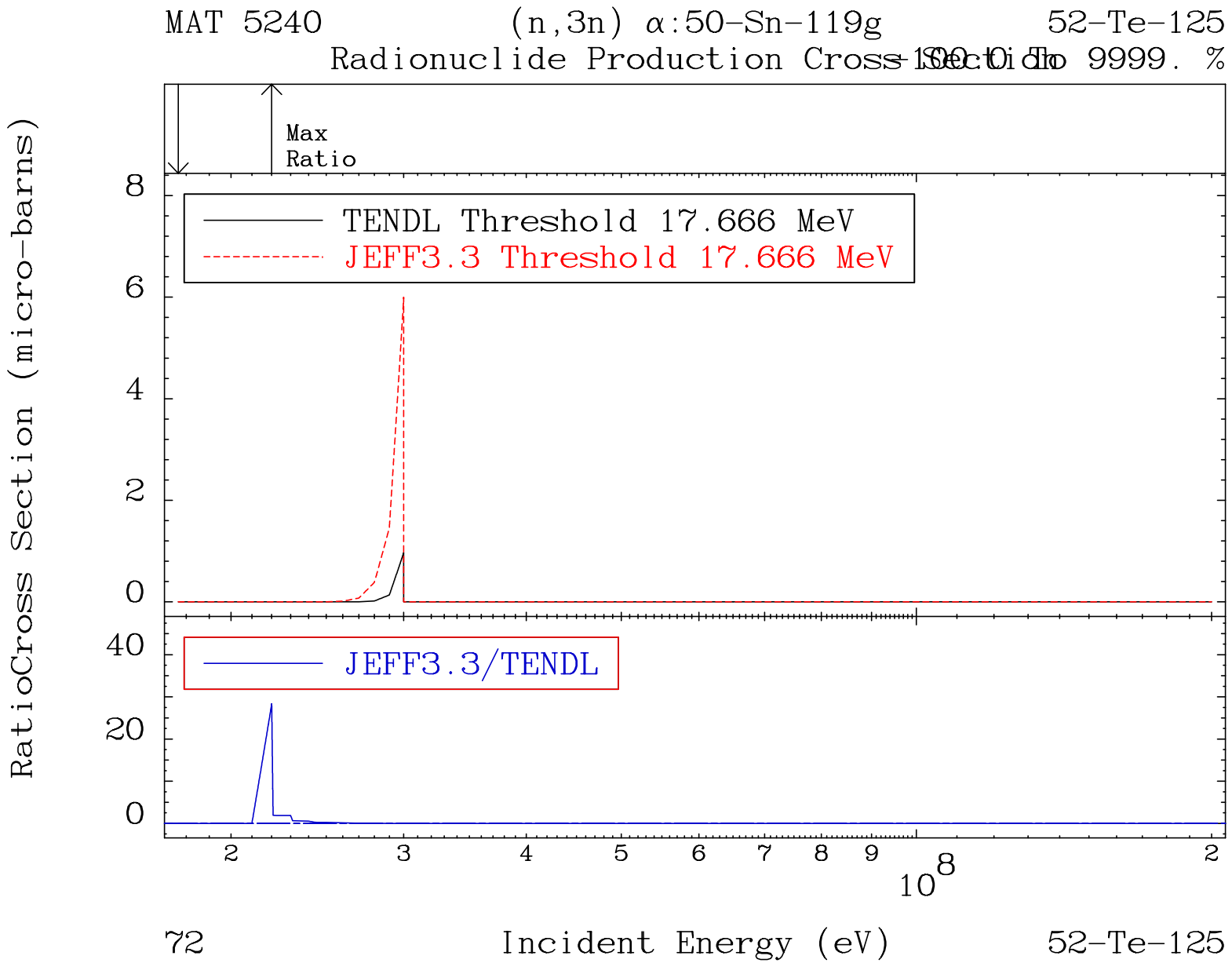

MAT 5240
(n,2n) d:51-Sb-122m5
52-Te-125
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 22.236 MeV
JEFF3.3 Threshold 22.236 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
100
80
60
40
20
0
60
40
20
0
20
40
60
80
100
120
140
160
180
200
67
Incident Energy (MeV)
52-Te-125

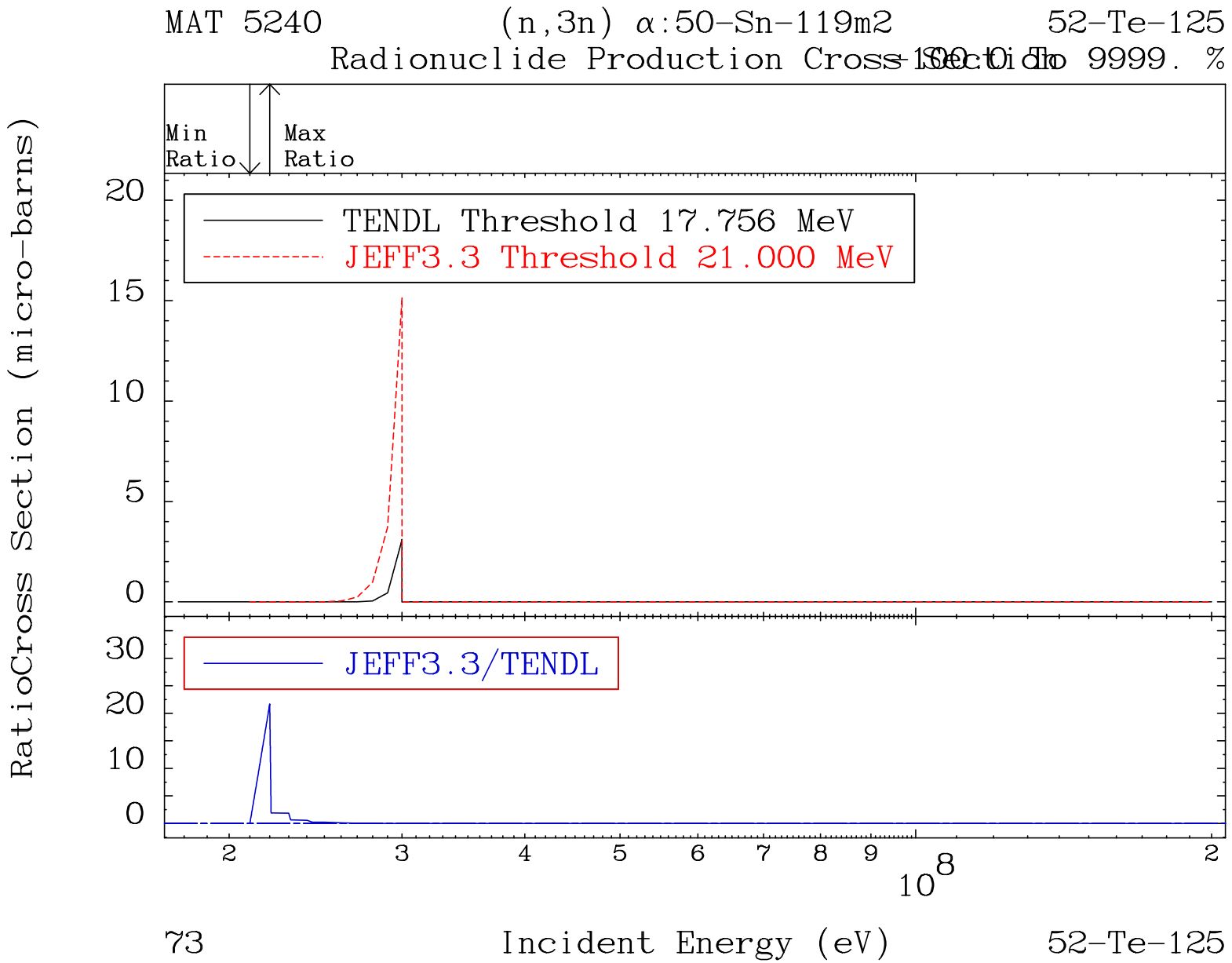

MAT 5240
(n,3n):52-Te-123g
52-Te-125
Radionuclide Production Cross Section To 165.9 %
Max
Ratio
TENDL Threshold 16.123 MeV
JEFF3.3 Threshold 16.123 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
68
Incident Energy (eV)
52-Te-125

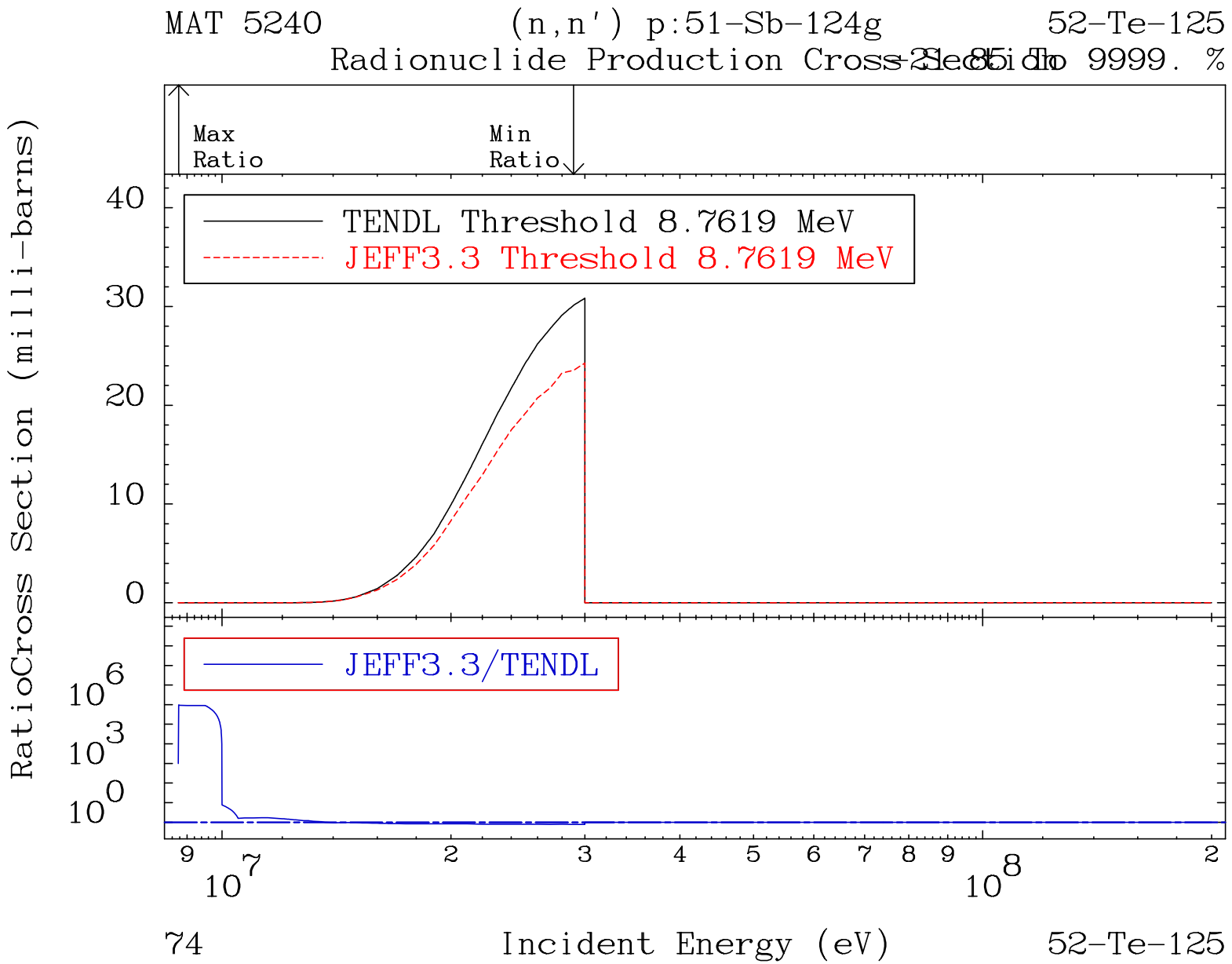

MAT 5240
(n,3n):52-Te-123m2
52-Te-125
Radionuclide Production Cross Section
Max Ratio
TENDL Threshold 16.372 MeV
JEFF3.3 Threshold 16.372 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
4
2
0
2
3
4
5
6
7
8
9
10^8
2
69
Incident Energy (eV)
52-Te-125

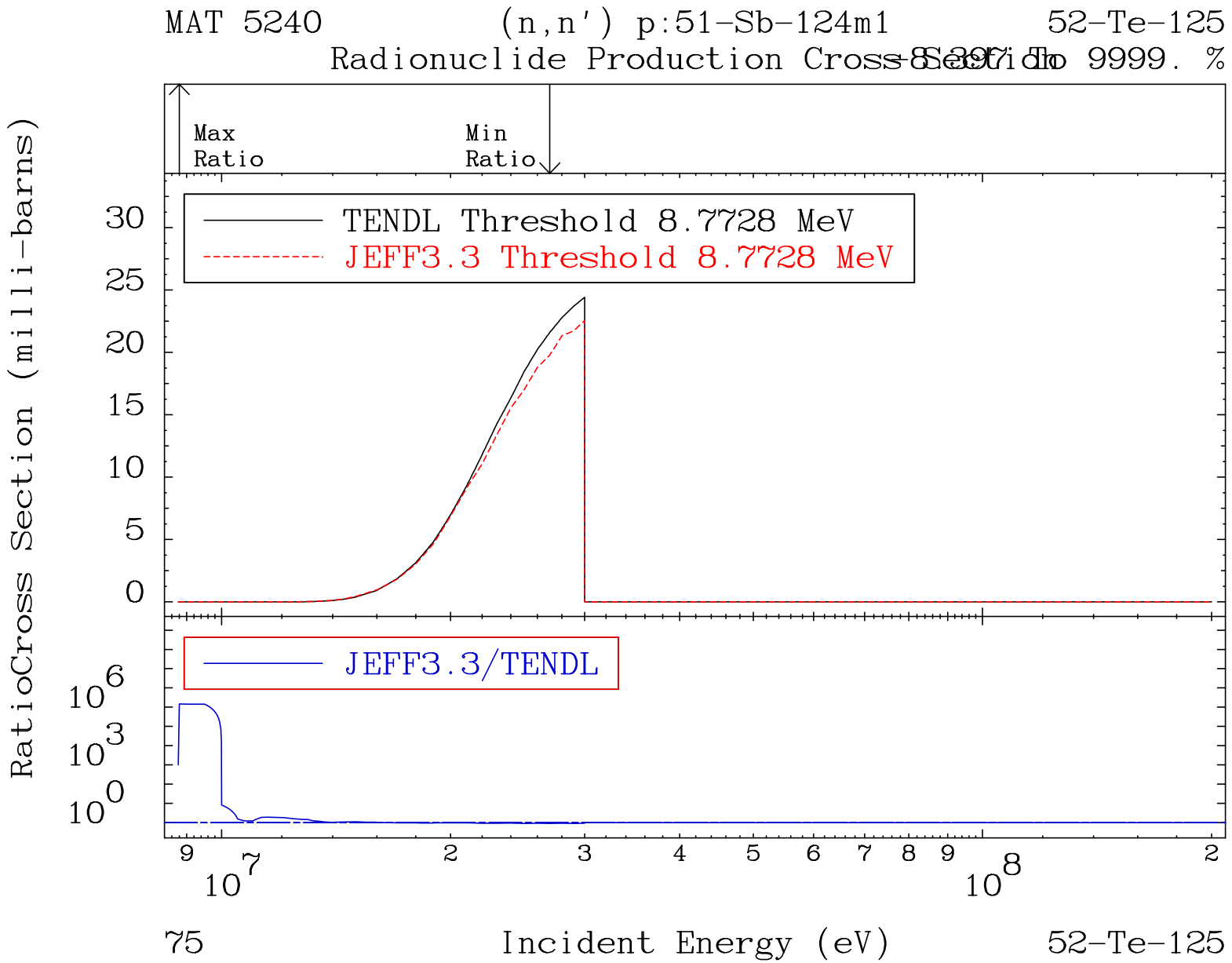

MAT 5240
(n,n') α:50-Sn-121g
52-Te-125
Radionuclide Production Cross-Section
Min Ratio
Max Ratio
TENDL Threshold 2.2683 MeV
JEFF3.3 Threshold 2.2686 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
70
52-Te-125

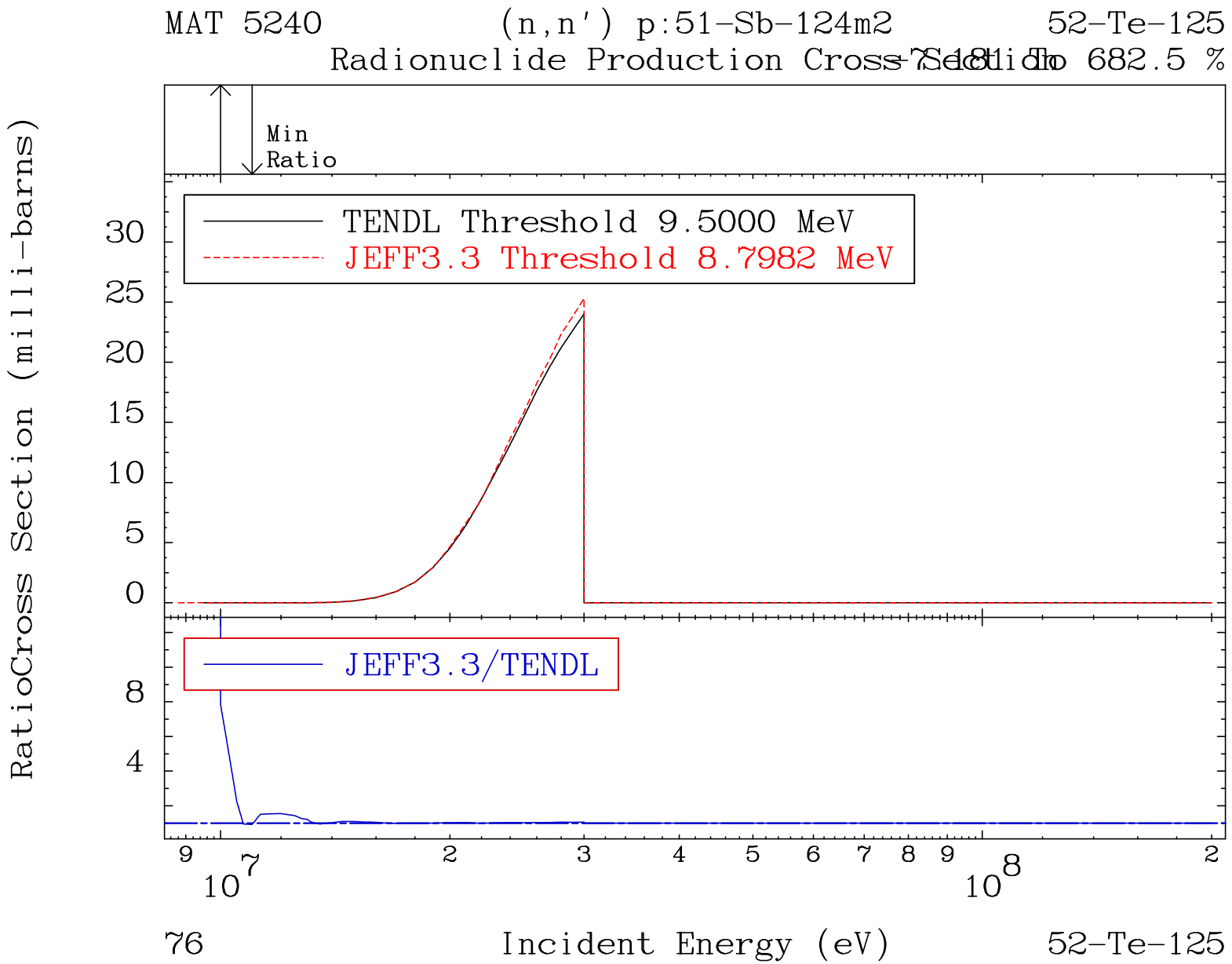

MAT 5240
(n,n') α:50-Sn-121m1
52-Te-125
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 2.2746 MeV
JEFF3.3 Threshold 2.2749 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
71
52-Te-125

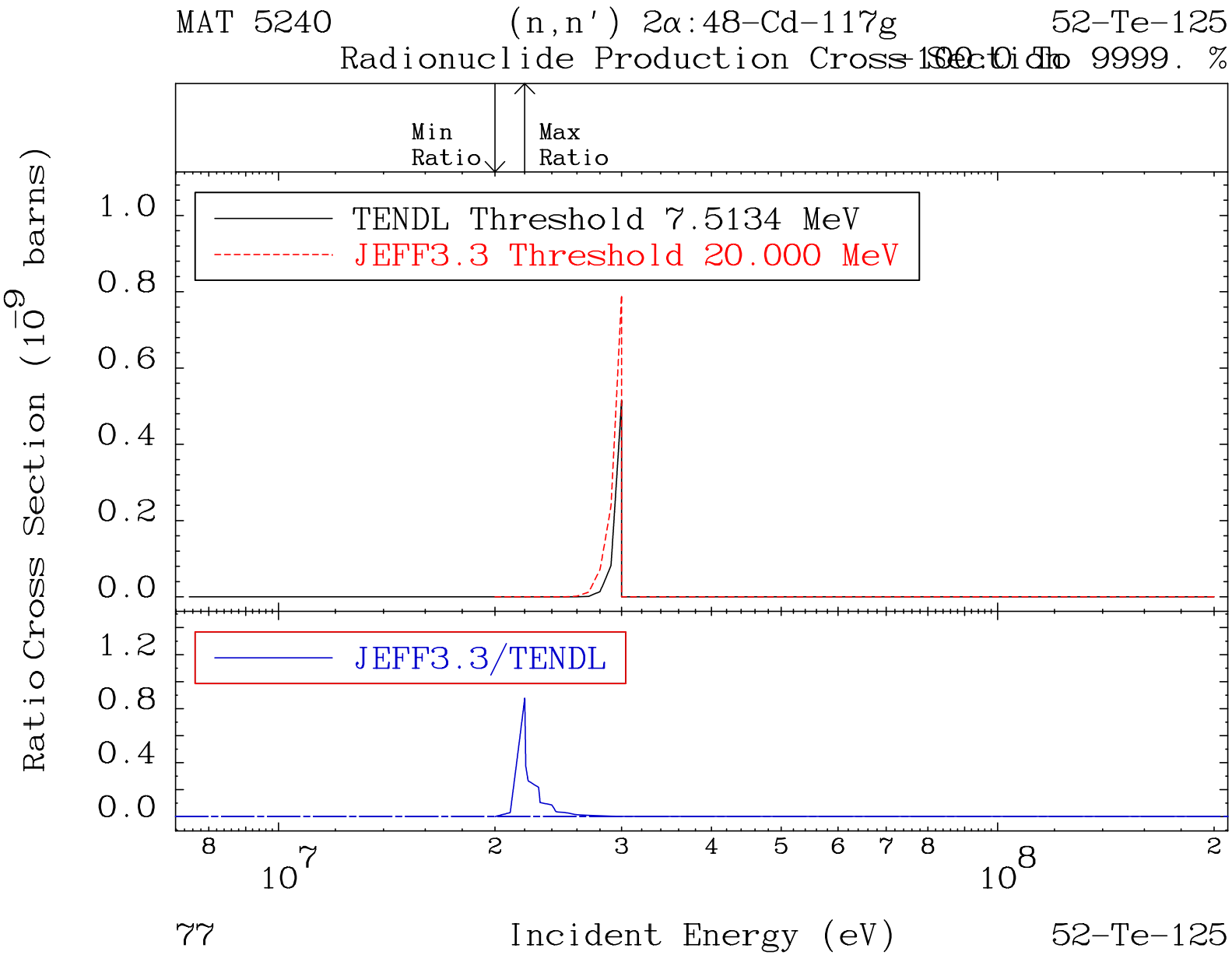

MAT 5240
(n,3n) α:50-Sn-119g
52-Te-125
Radionuclide Production Cross Section To 9999. %
Max
Ratio
TENDL Threshold 17.666 MeV
JEFF3.3 Threshold 17.666 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
72
52-Te-125

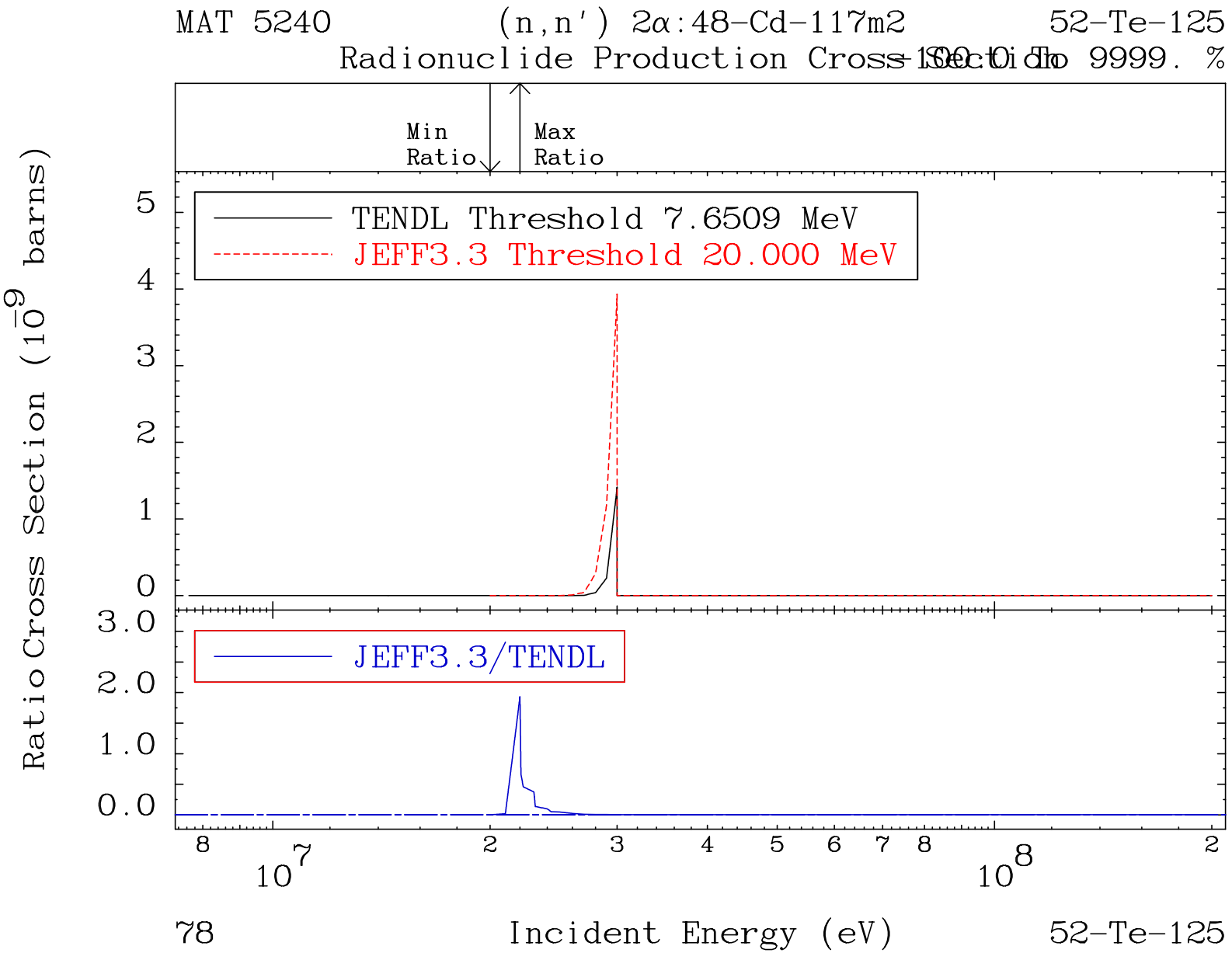

MAT 5240
(n,3n) α:50-Sn-119m2
52-Te-125
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 17.756 MeV
JEFF3.3 Threshold 21.000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
73
52-Te-125

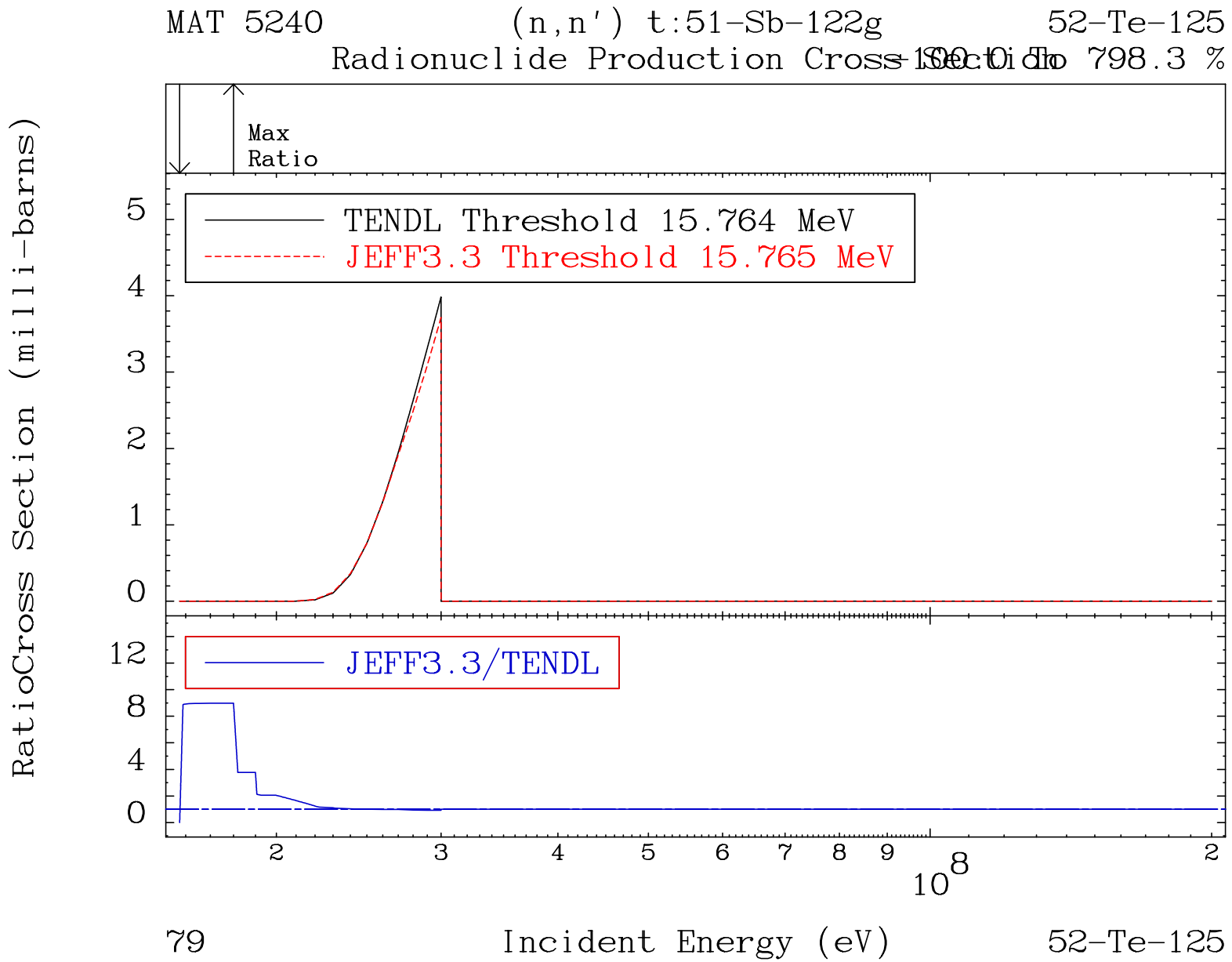

MAT 5240
(n,n') p:51-Sb-124g
52-Te-125
Radionuclide Production Cross-Section
Max Ratio
Min Ratio
TENDL Threshold 8.7619 MeV
JEFF3.3 Threshold 8.7619 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
74
52-Te-125

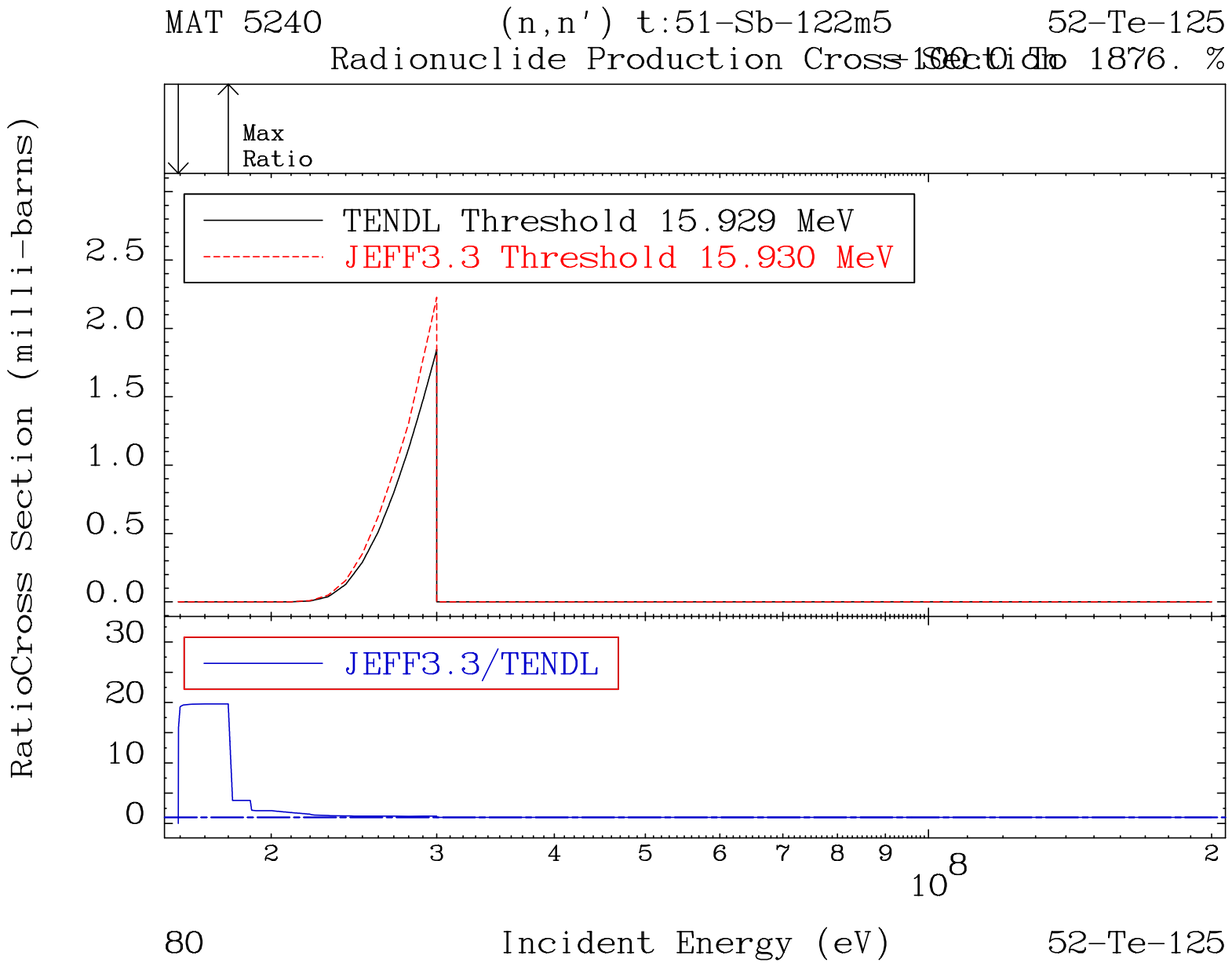

MAT 5240
(n,n') p:51-Sb-124m1
52-Te-125
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 8.7728 MeV
JEFF3.3 Threshold 8.7728 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
75
52-Te-125

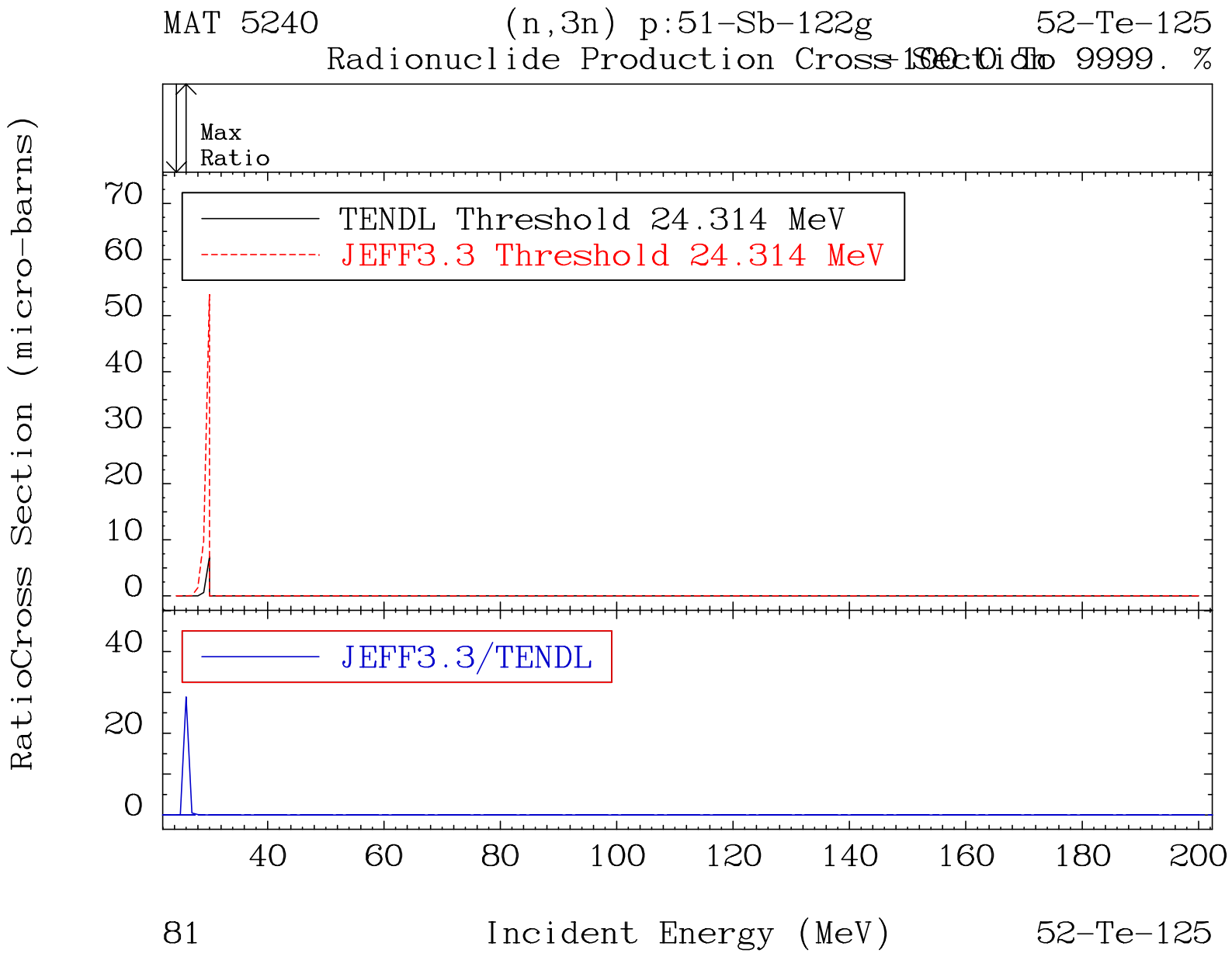

MAT 5240
(n,n') p:51-Sb-124m2
52-Te-125
Radionuclide Production Cross Section
Min
Ratio
TENDL Threshold 9.5000 MeV
JEFF3.3 Threshold 8.7982 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
76
52-Te-125

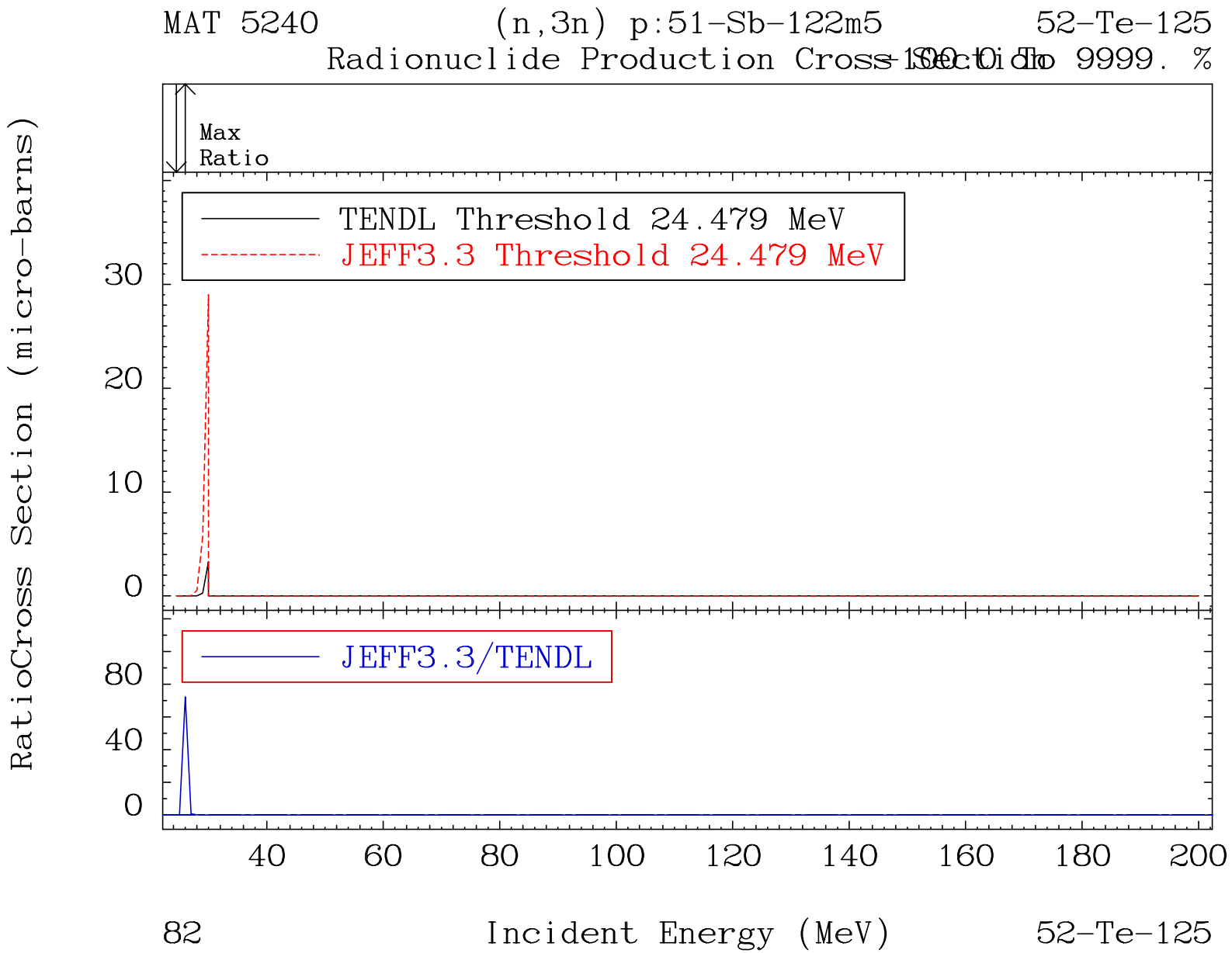

MAT 5240
(n,n') 2α:48-Cd-117g
52-Te-125
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 7.5134 MeV
JEFF3.3 Threshold 20.000 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
1.0
0.8
0.6
0.4
0.2
0.0
1.2
0.8
0.4
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
77
Incident Energy (eV)
52-Te-125

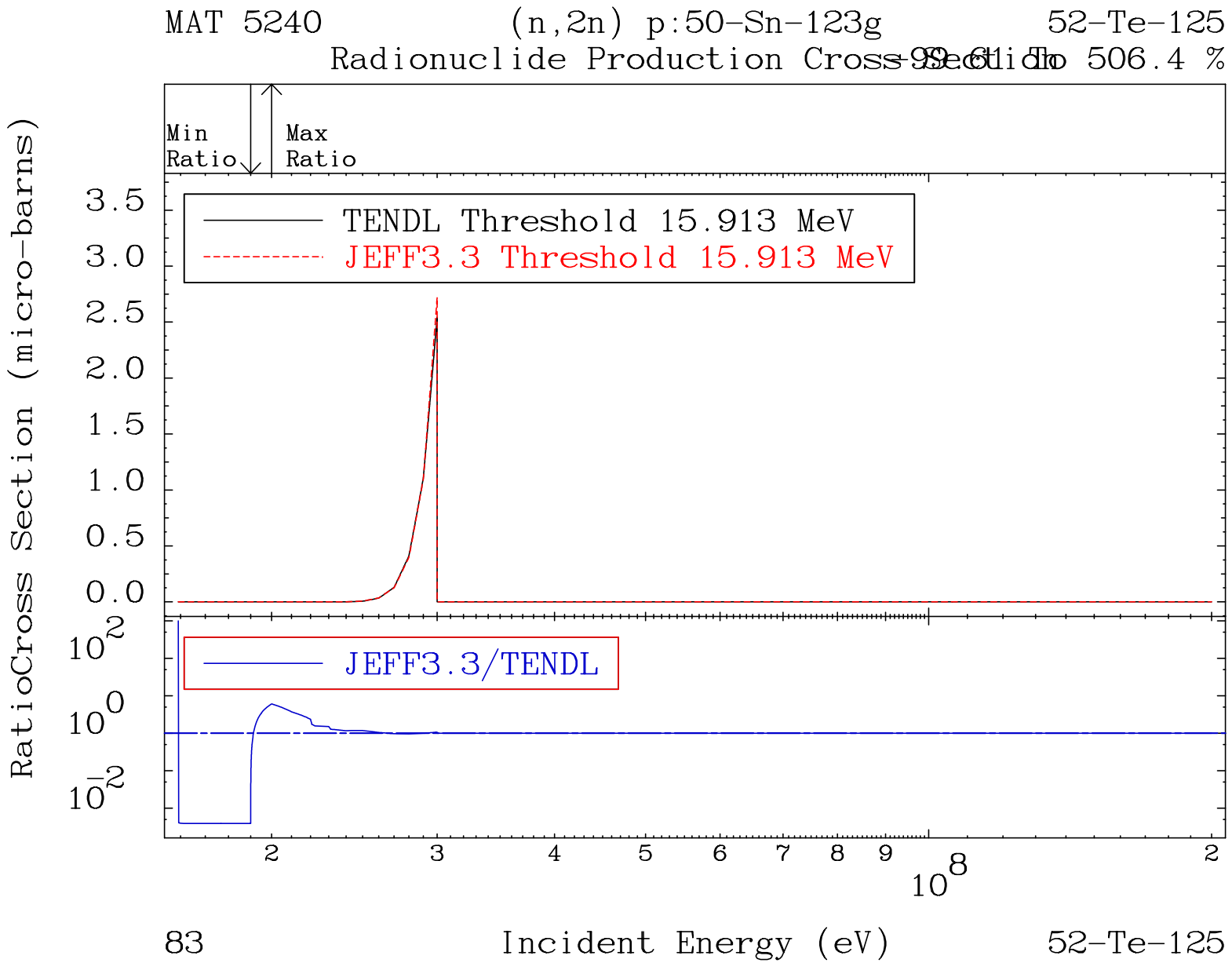

MAT 5240
(n,n') 2α:48-Cd-117m2
52-Te-125
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 7.6509 MeV
JEFF3.3 Threshold 20.000 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
78
52-Te-125

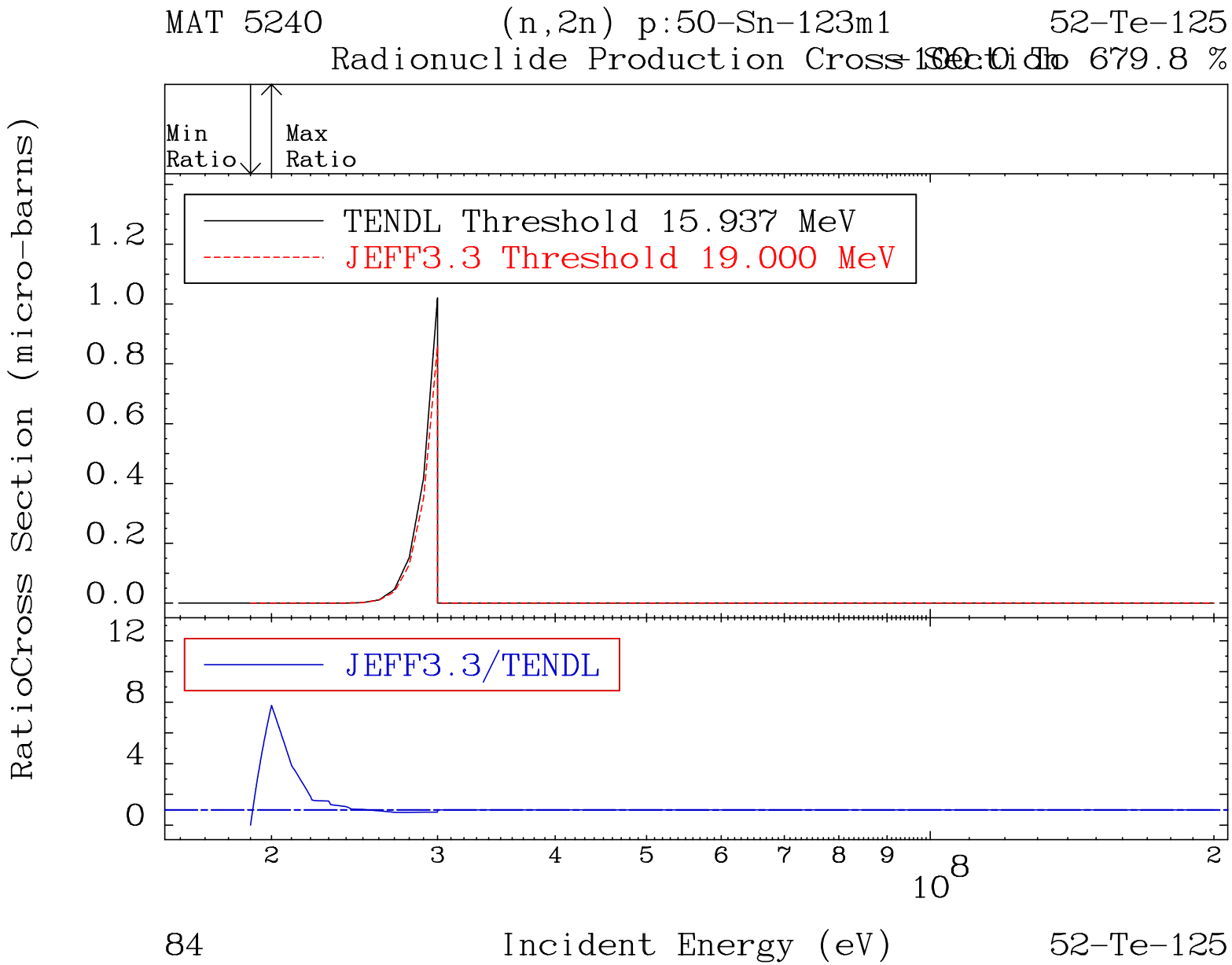

MAT 5240
(n,n') t:51-Sb-122g
52-Te-125
Radionuclide Production Cross Section To 798.3 %
Max
Ratio
TENDL Threshold 15.764 MeV
JEFF3.3 Threshold 15.765 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
79
52-Te-125

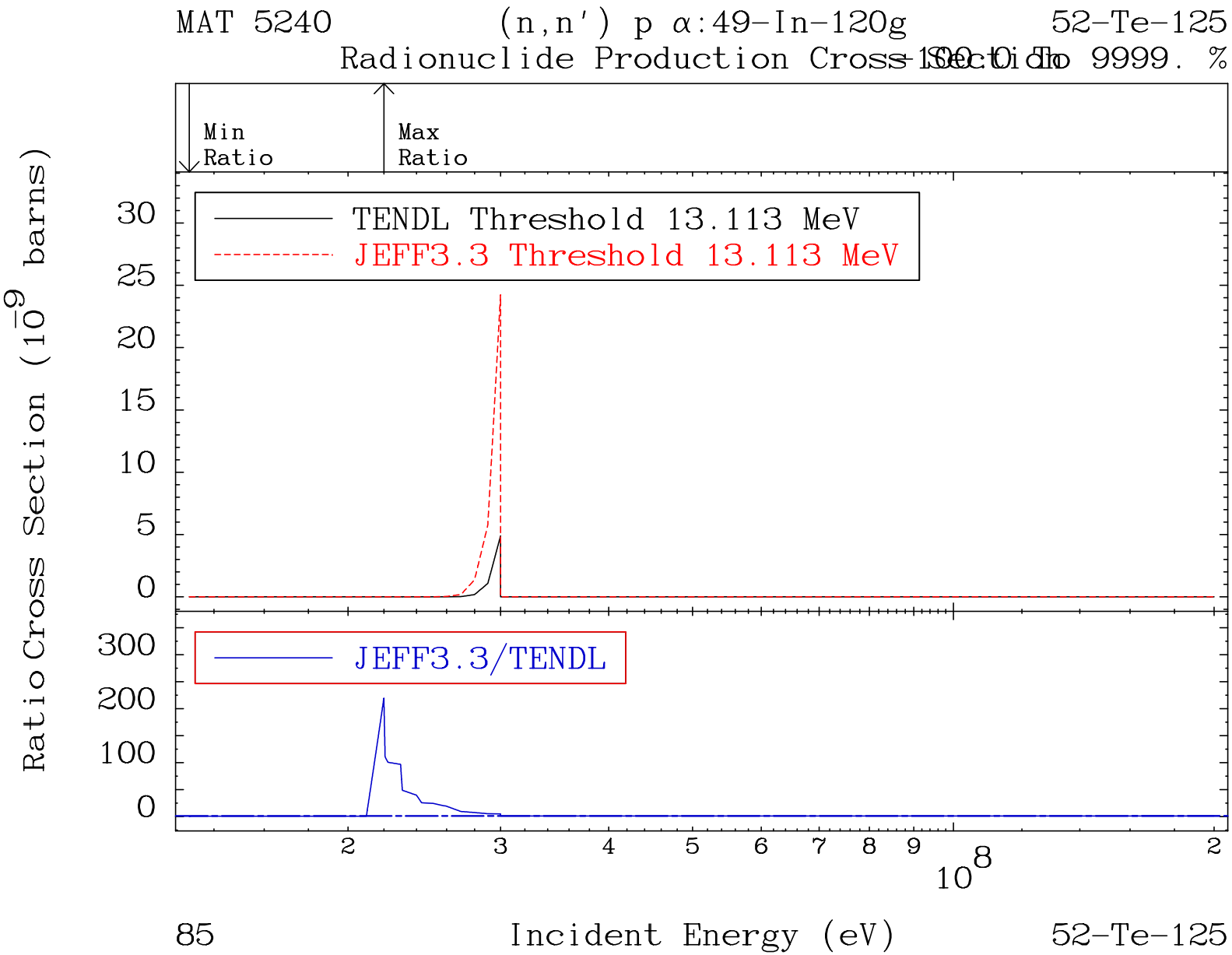

MAT 5240
(n,n') t:51-Sb-122m5
52-Te-125
Radionuclide Production Cross Section To 1876. %
Max
Ratio
TENDL Threshold 15.929 MeV
JEFF3.3 Threshold 15.930 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
2.5
2.0
1.5
1.0
0.5
0.0
30
20
10
0
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
52-Te-125

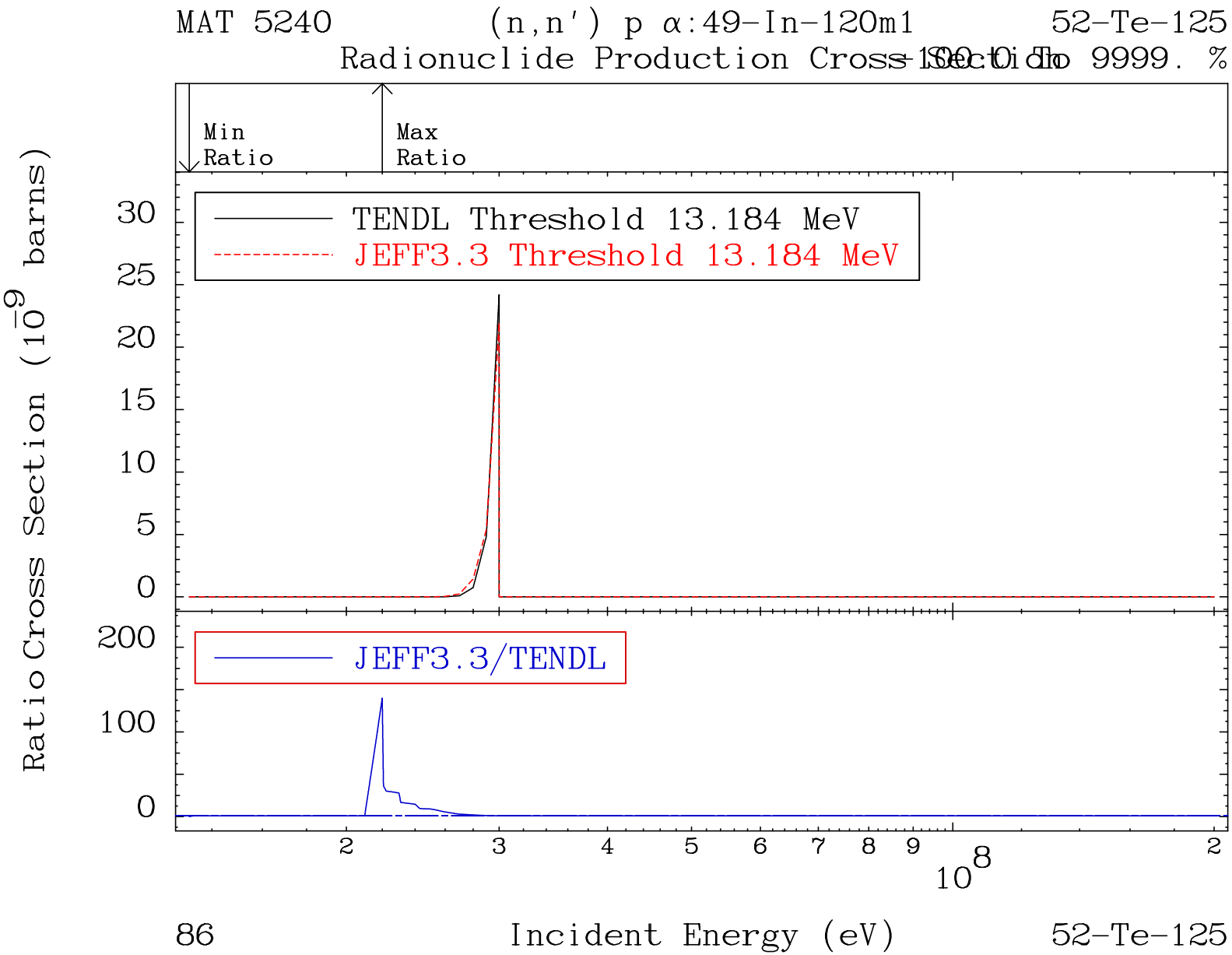

MAT 5240
(n,3n) p:51-Sb-122g
52-Te-125
Radionuclide Production Cross Section
100 To 9999. %
Max
Ratio
TENDL Threshold 24.314 MeV
JEFF3.3 Threshold 24.314 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
70
60
50
40
30
20
10
0
40
20
0
40
60
80
100
120
140
160
180
200
81
Incident Energy (MeV)
52-Te-125

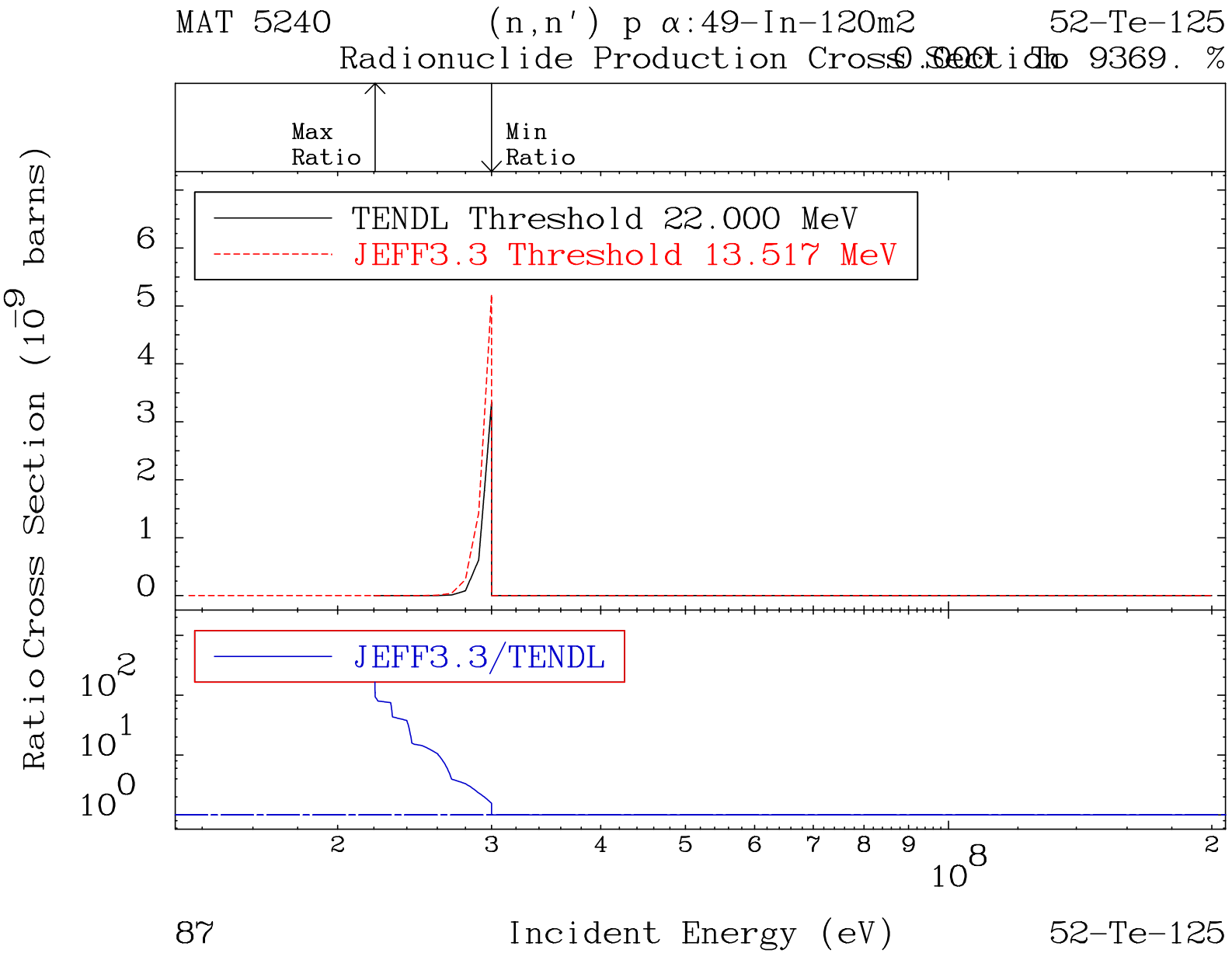

MAT 5240
(n,3n) p:51-Sb-122m5
52-Te-125
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 24.479 MeV
JEFF3.3 Threshold 24.479 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (MeV)
82
52-Te-125

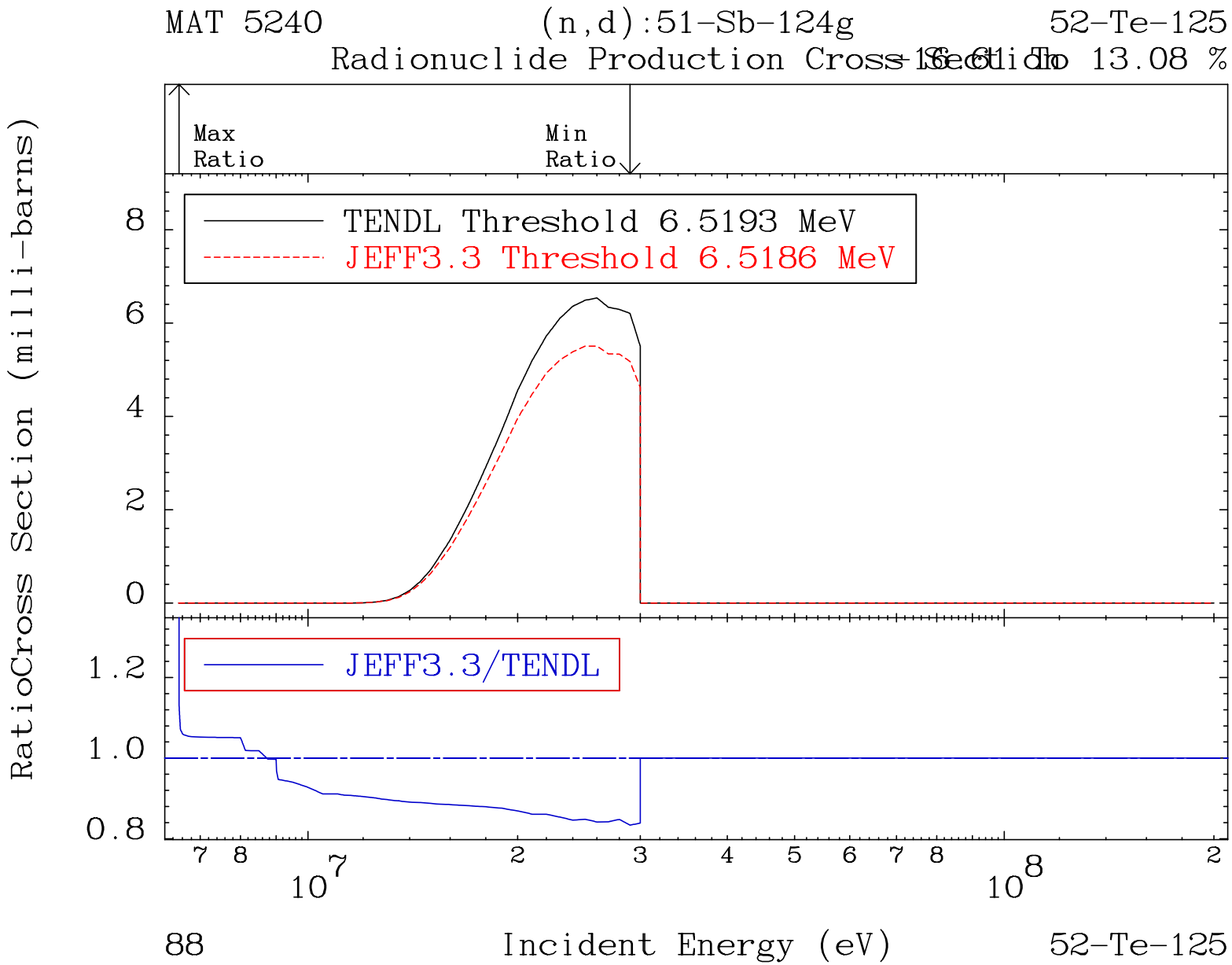

MAT 5240
(n,2n) p:50-Sn-123g
52-Te-125
Radionuclide Production Cross Section To 506.4 %
Min Ratio
Max Ratio
TENDL Threshold 15.913 MeV
JEFF3.3 Threshold 15.913 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10^2
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
52-Te-125

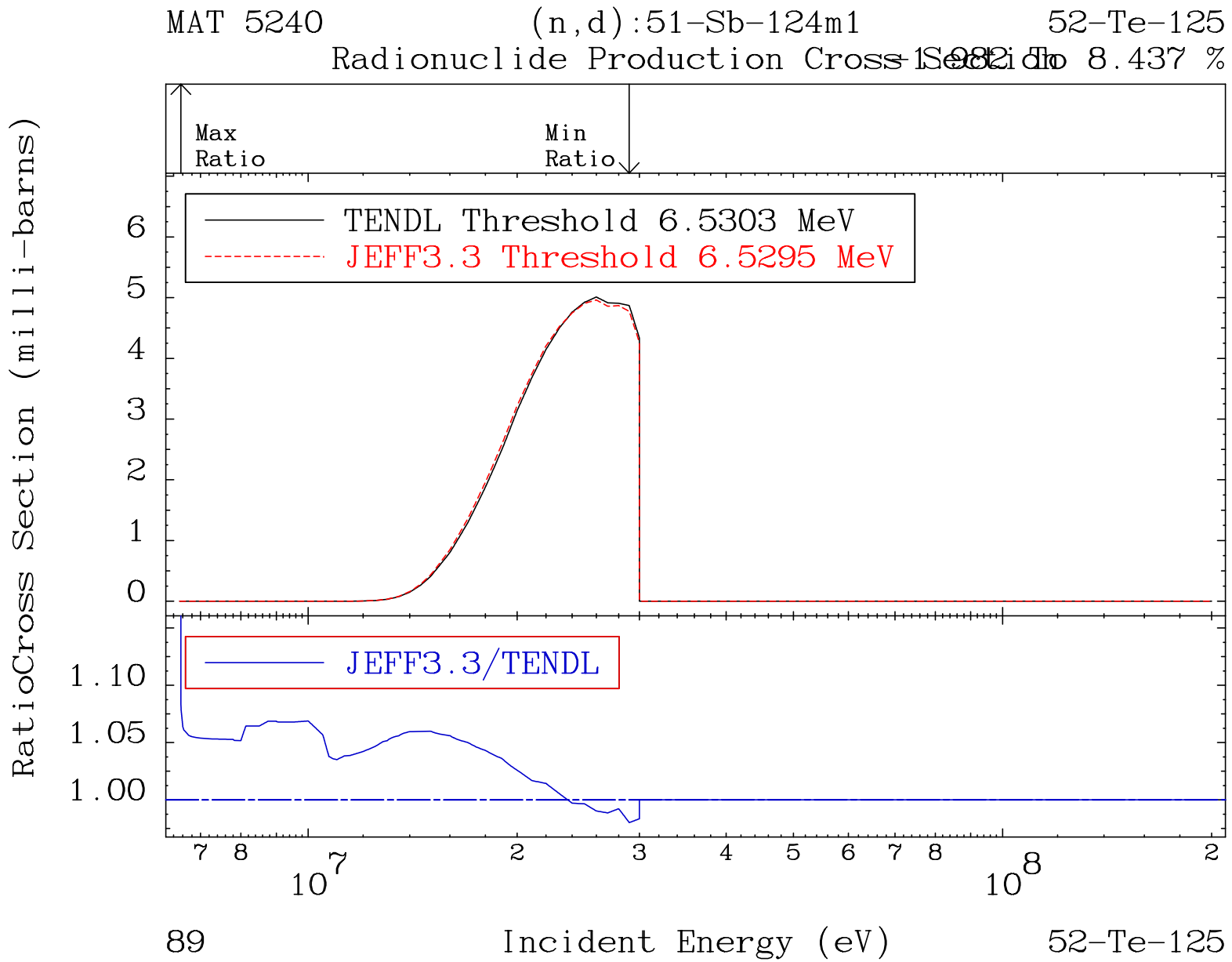

MAT 5240
(n,2n) p:50-Sn-123m1
52-Te-125
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 15.937 MeV
JEFF3.3 Threshold 19.000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
84
52-Te-125

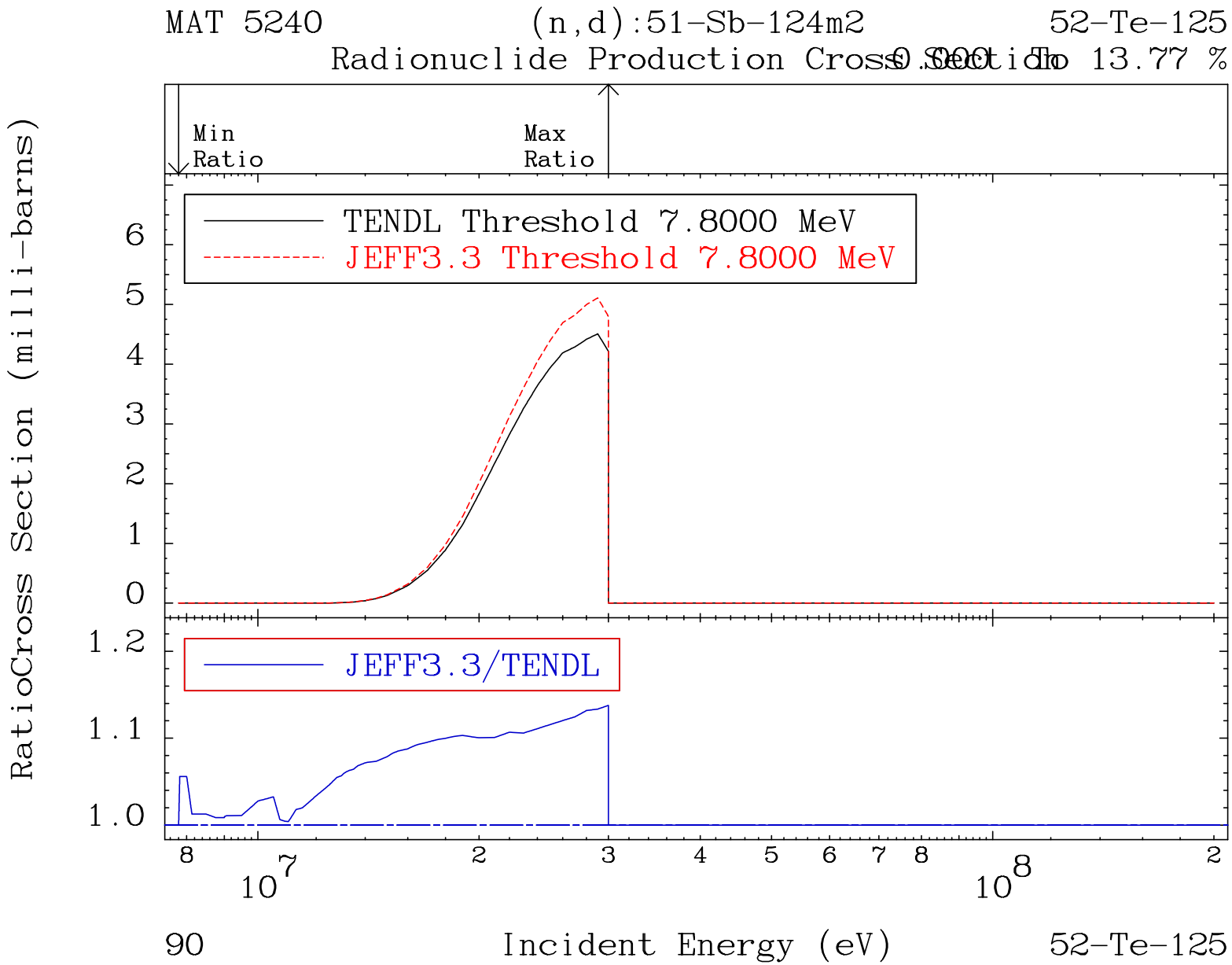

MAT 5240
(n,n') p α:49-In-120g
52-Te-125
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 13.113 MeV
JEFF3.3 Threshold 13.113 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
30
25
20
15
10
5
0
300
200
100
0
2
3
4
5
6
7
8
9
10^8
2
85
Incident Energy (eV)
52-Te-125

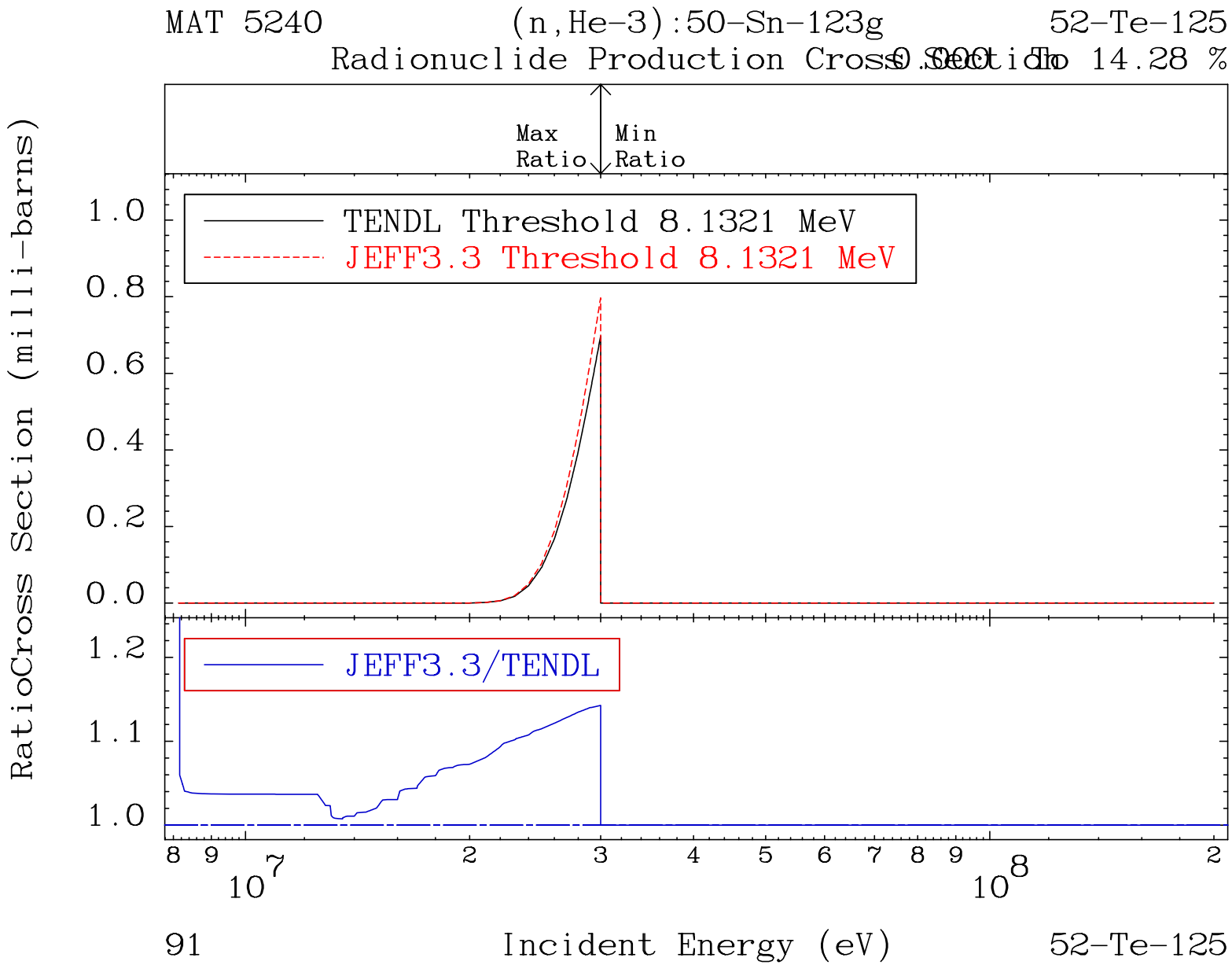

MAT 5240
(n,n') p α:49-In-120m1
52-Te-125
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 13.184 MeV
JEFF3.3 Threshold 13.184 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
30
25
20
15
10
5
0
200
100
0
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
52-Te-125

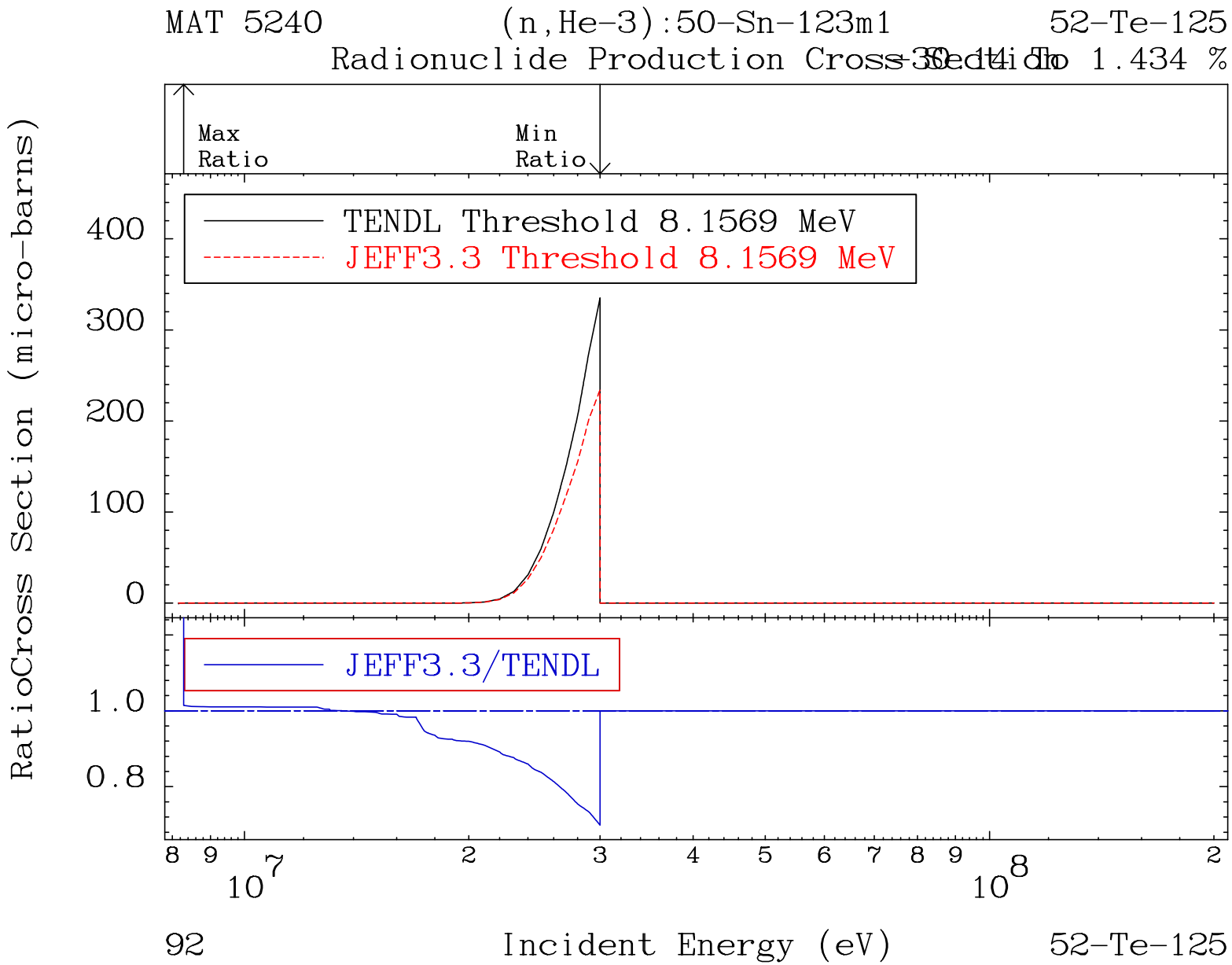

MAT 5240 (n,n') p α:49-In-120m2 52-Te-125
Radionuclide Production Cross Section
0.0001 To 9369. %
Max Ratio
Min Ratio
TENDL Threshold 22.000 MeV
JEFF3.3 Threshold 13.517 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (eV)
87
52-Te-125

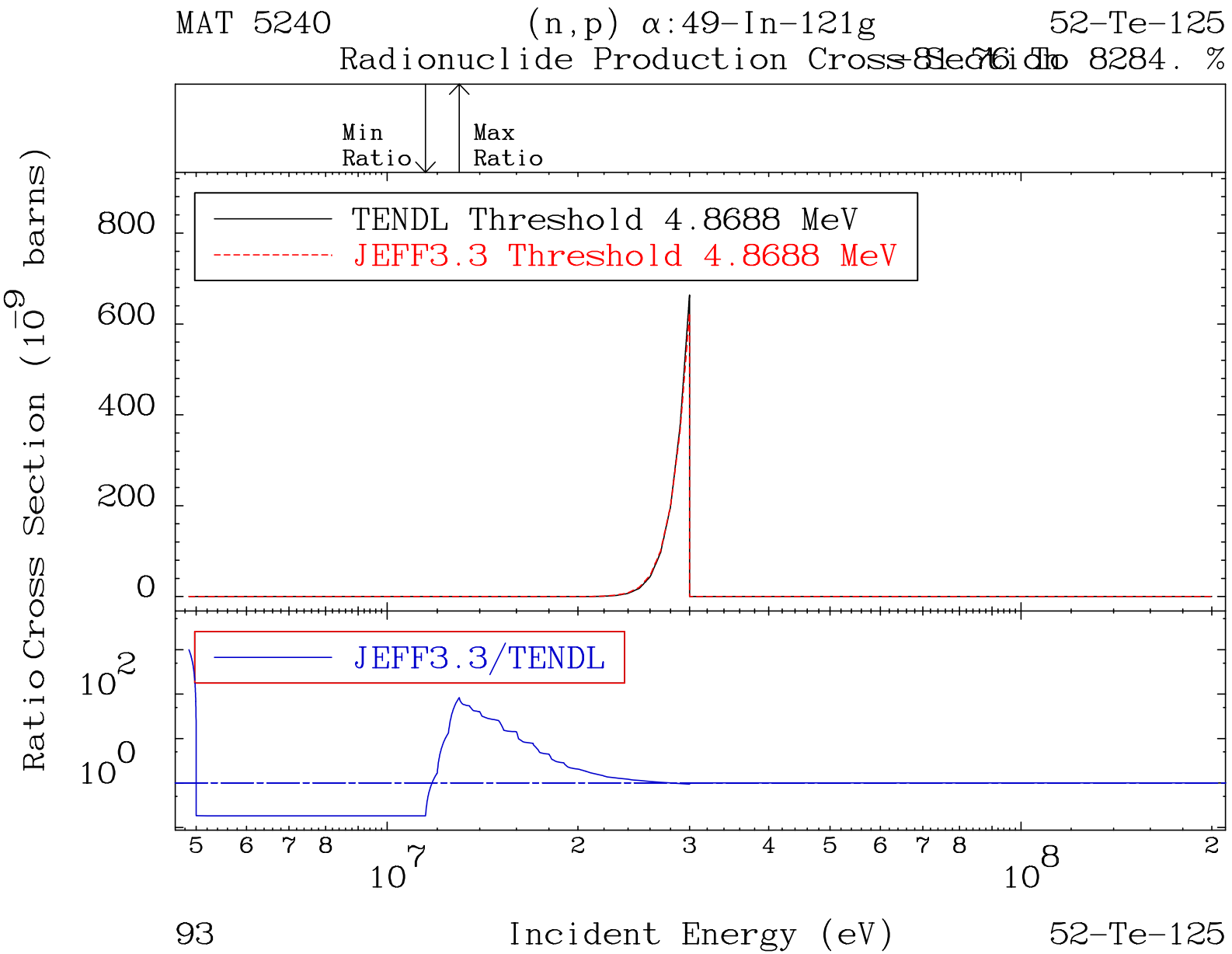

MAT 5240
(n,d):51-Sb-124g
52-Te-125
Radionuclide Production Cross Section To 13.08 %
Max Ratio
Min Ratio
TENDL Threshold 6.5193 MeV
JEFF3.3 Threshold 6.5186 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
2
4
6
8
0.8
1.0
1.2
7 8 10^7 2 3 4 5 6 7 8 10^8 2
88
Incident Energy (eV)
52-Te-125

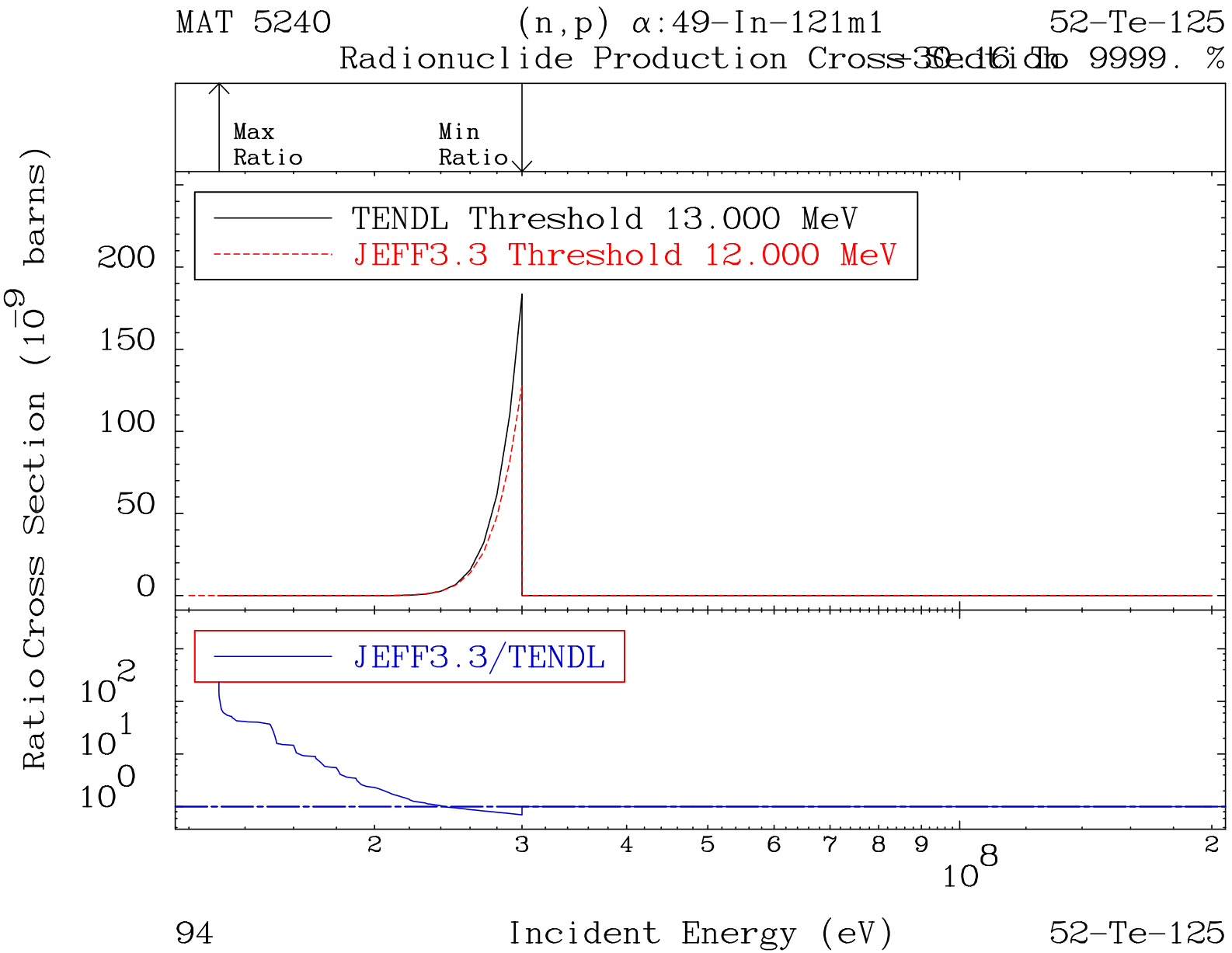

MAT 5240
(n,d):51-Sb-124m1
52-Te-125
Radionuclide Production Cross Section To 8.437 %
Max Ratio
Min Ratio
TENDL Threshold 6.5303 MeV
JEFF3.3 Threshold 6.5295 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
0
1
2
3
4
5
6
1.00
1.05
1.10
7 8 10^7 2 3 4 5 6 7 8 10^8 2
89
Incident Energy (eV)
52-Te-125

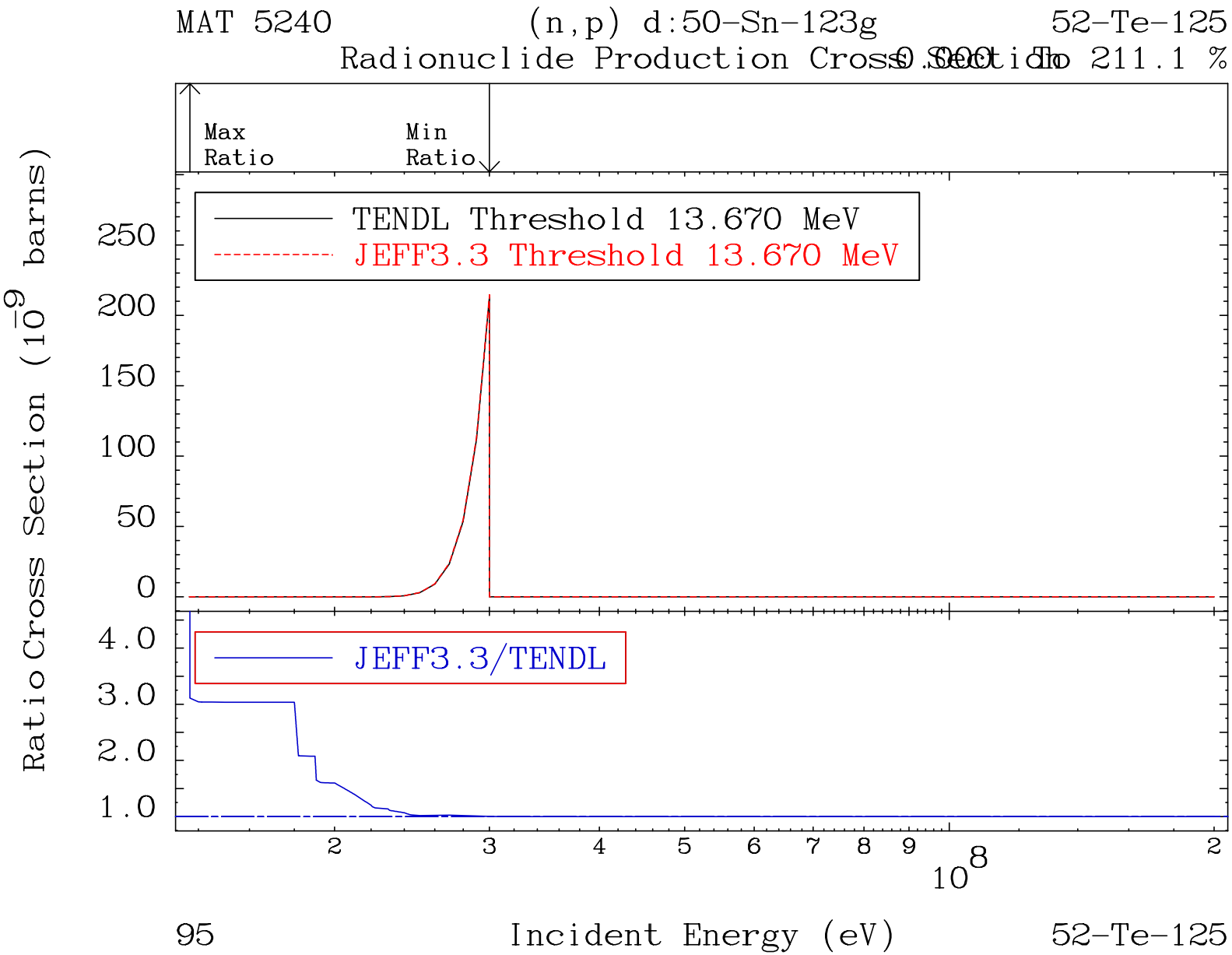

MAT 5240
(n,d):51-Sb-124m2
52-Te-125
Radionuclide Production Cross Section To 13.77 %
Min Ratio
Max Ratio
TENDL Threshold 7.8000 MeV
JEFF3.3 Threshold 7.8000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
90
52-Te-125

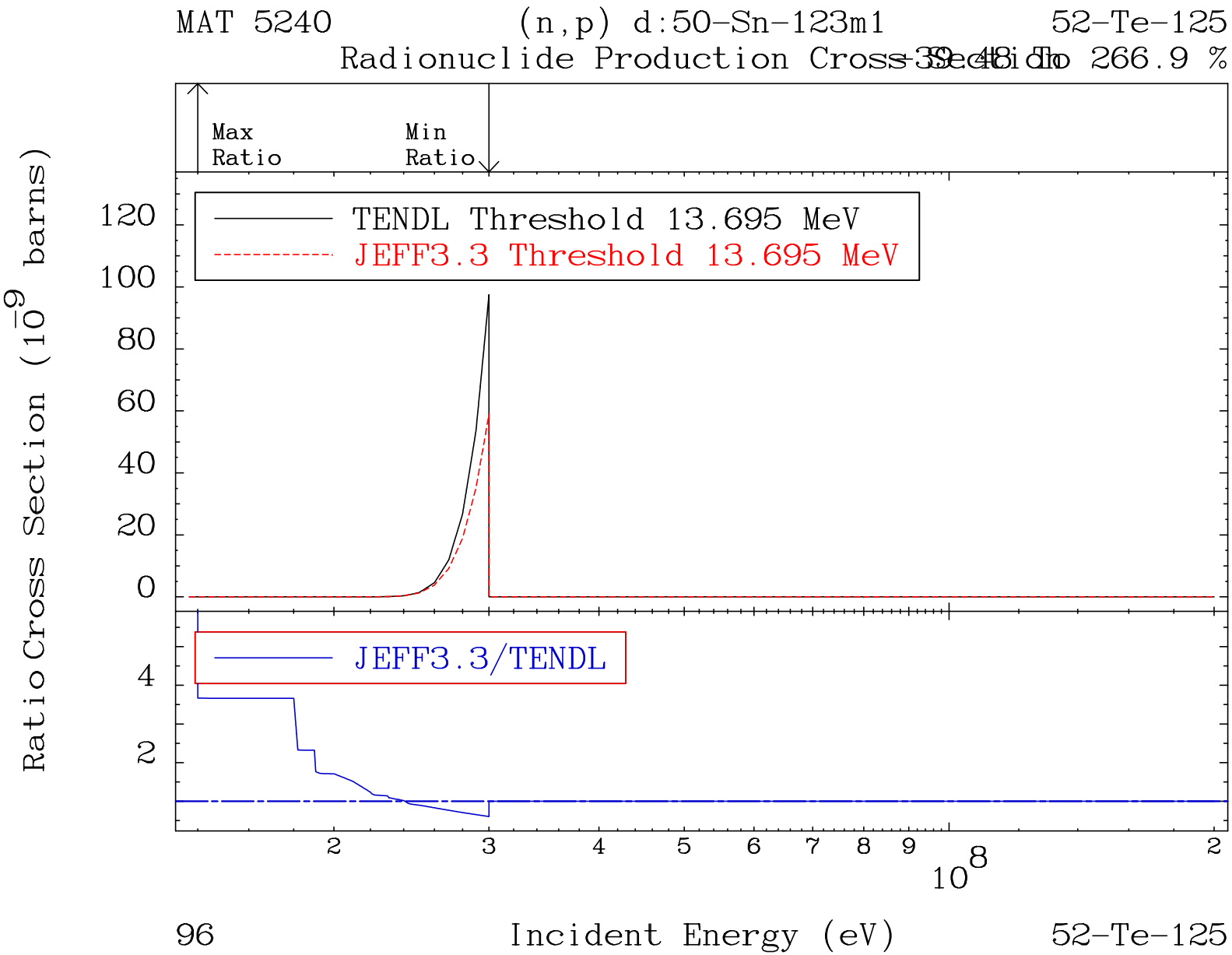

MAT 5240
(n,He-3):50-Sn-123g
52-Te-125
Radionuclide Production Cross Section
0.000 To 14.28 %
Max Ratio
Min Ratio
TENDL Threshold 8.1321 MeV
JEFF3.3 Threshold 8.1321 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
1.2
1.1
1.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
91
Incident Energy (eV)
52-Te-125

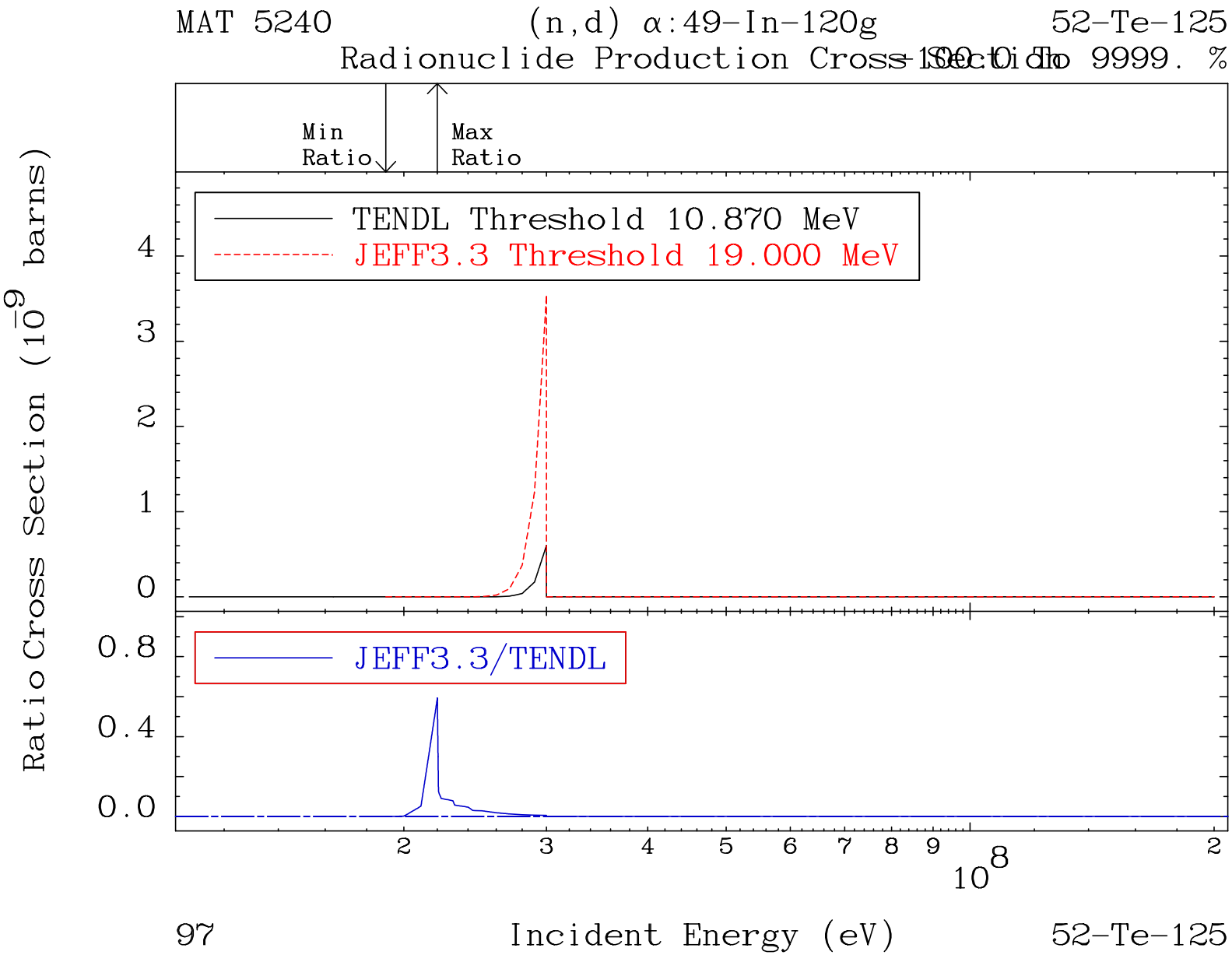

MAT 5240
(n,He-3):50-Sn-123m1
52-Te-125
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 8.1569 MeV
JEFF3.3 Threshold 8.1569 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
1.0
0.8
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
92
Incident Energy (eV)
52-Te-125

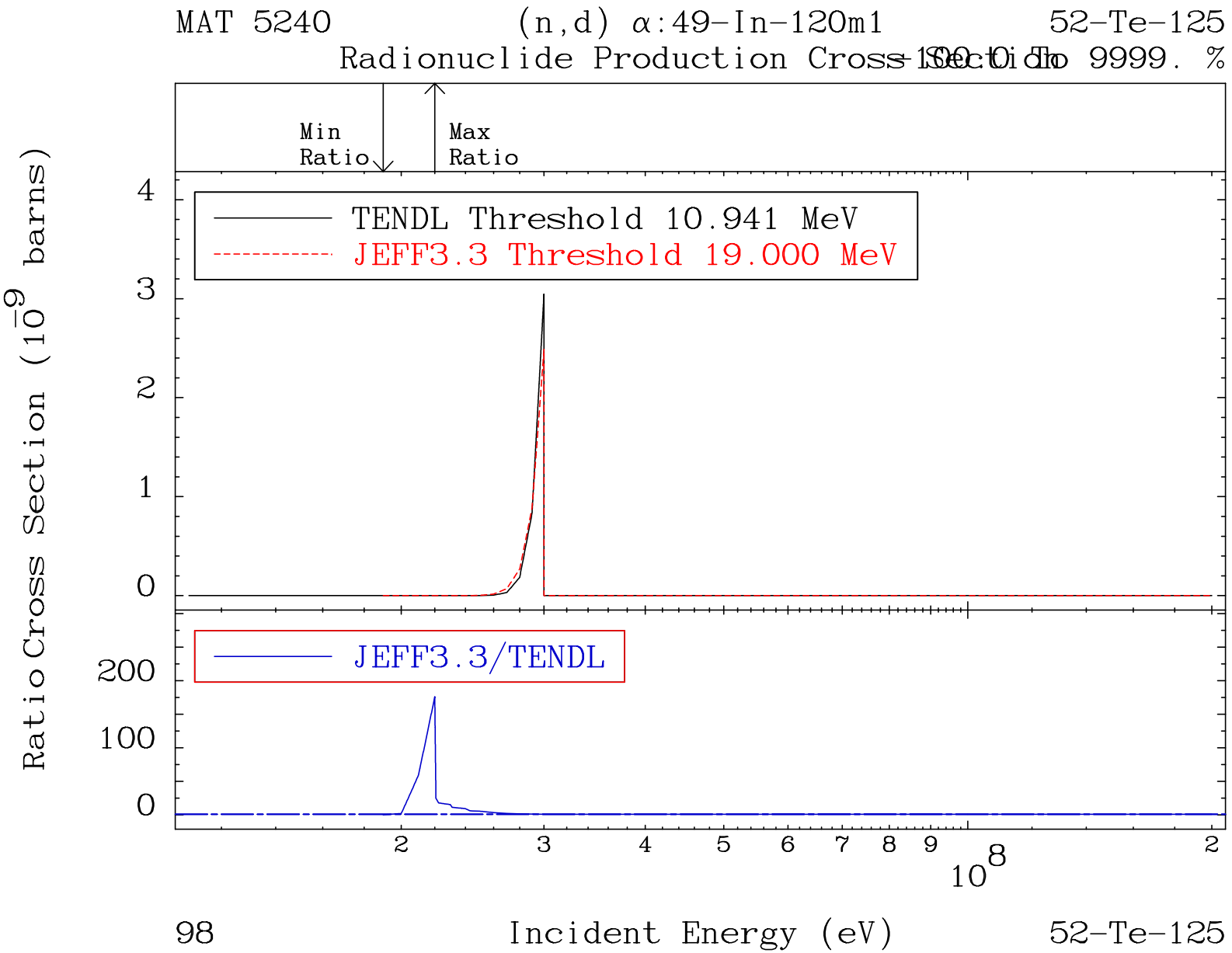

MAT 5240
(n,p) α:49-In-121g
52-Te-125
Radionuclide Production Cross-Section To 8284. %
Min Ratio
Max Ratio
TENDL Threshold 4.8688 MeV
JEFF3.3 Threshold 4.8688 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
800
600
400
200
0
10^2
10^0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
93
Incident Energy (eV)
52-Te-125

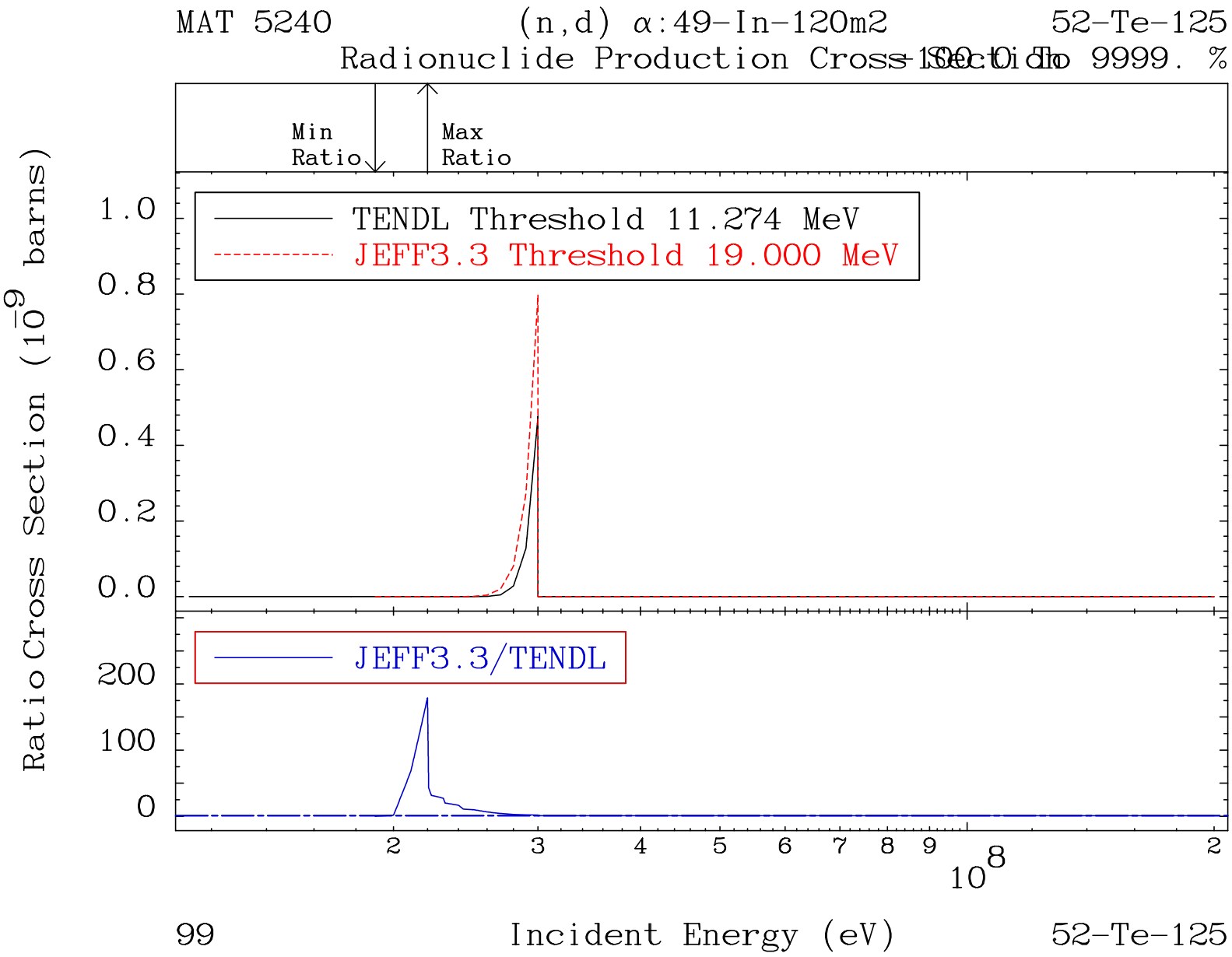

MAT 5240
(n,p) α:49-In-121m1
52-Te-125
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 13.000 MeV
JEFF3.3 Threshold 12.000 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
200
150
100
50
0
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
94
Incident Energy (eV)
52-Te-125


MAT 5240
(n,p) d:50-Sn-123g
52-Te-125
Radionuclide Production Cross Section
0.0001 To 211.1 %
Max Ratio
Min Ratio
TENDL Threshold 13.670 MeV
JEFF3.3 Threshold 13.670 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
250
200
150
100
50
0
4.0
3.0
2.0
1.0
2
3
4
5
6
7
8
9
10^8
2
95
Incident Energy (eV)
52-Te-125


MAT 5240
(n,p) d:50-Sn-123m1
52-Te-125
Radionuclide Production Cross Section To 266.9 %
Max Ratio
Min Ratio
TENDL Threshold 13.695 MeV
JEFF3.3 Threshold 13.695 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
120
100
80
60
40
20
0
4
2
2
3
4
5
6
7
8
9
10^8
2
96
Incident Energy (eV)
52-Te-125


MAT 5240
(n,d) α:49-In-120g
52-Te-125
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 10.870 MeV
JEFF3.3 Threshold 19.000 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
0
1
2
3
4
0.0
0.4
0.8
2
3
4
5
6
7
8
9
2
10^8
97
Incident Energy (eV)
52-Te-125


MAT 5240
(n,d) α:49-In-120m1
52-Te-125
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 10.941 MeV
JEFF3.3 Threshold 19.000 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (eV)
98
52-Te-125


MAT 5240
(n,d) α:49-In-120m2
52-Te-125
Radionuclide Production Cross Section To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 11.274 MeV
JEFF3.3 Threshold 19.000 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
2
3
4
5
6
7
8
9
2
10^8
99
Incident Energy (eV)
52-Te-125