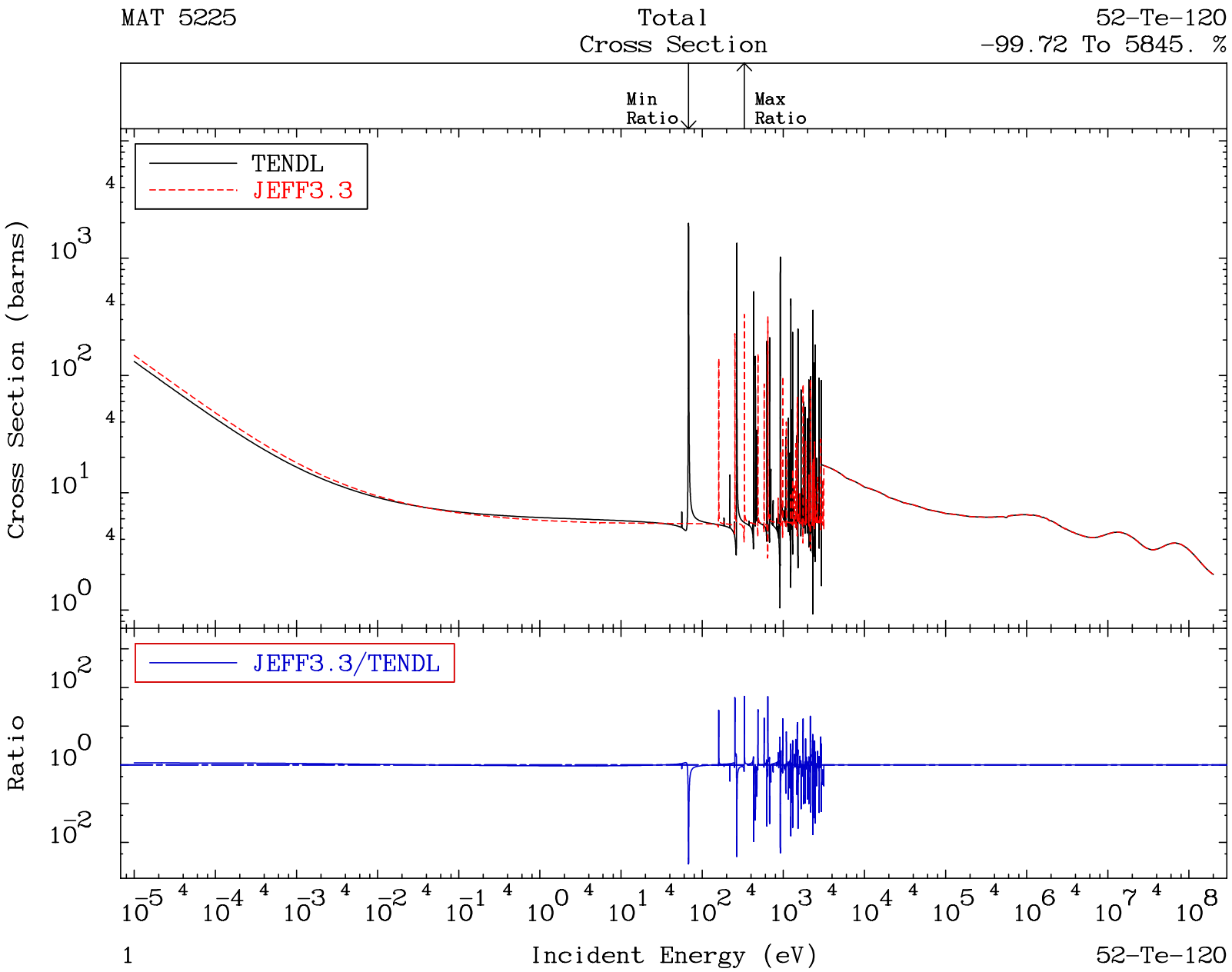
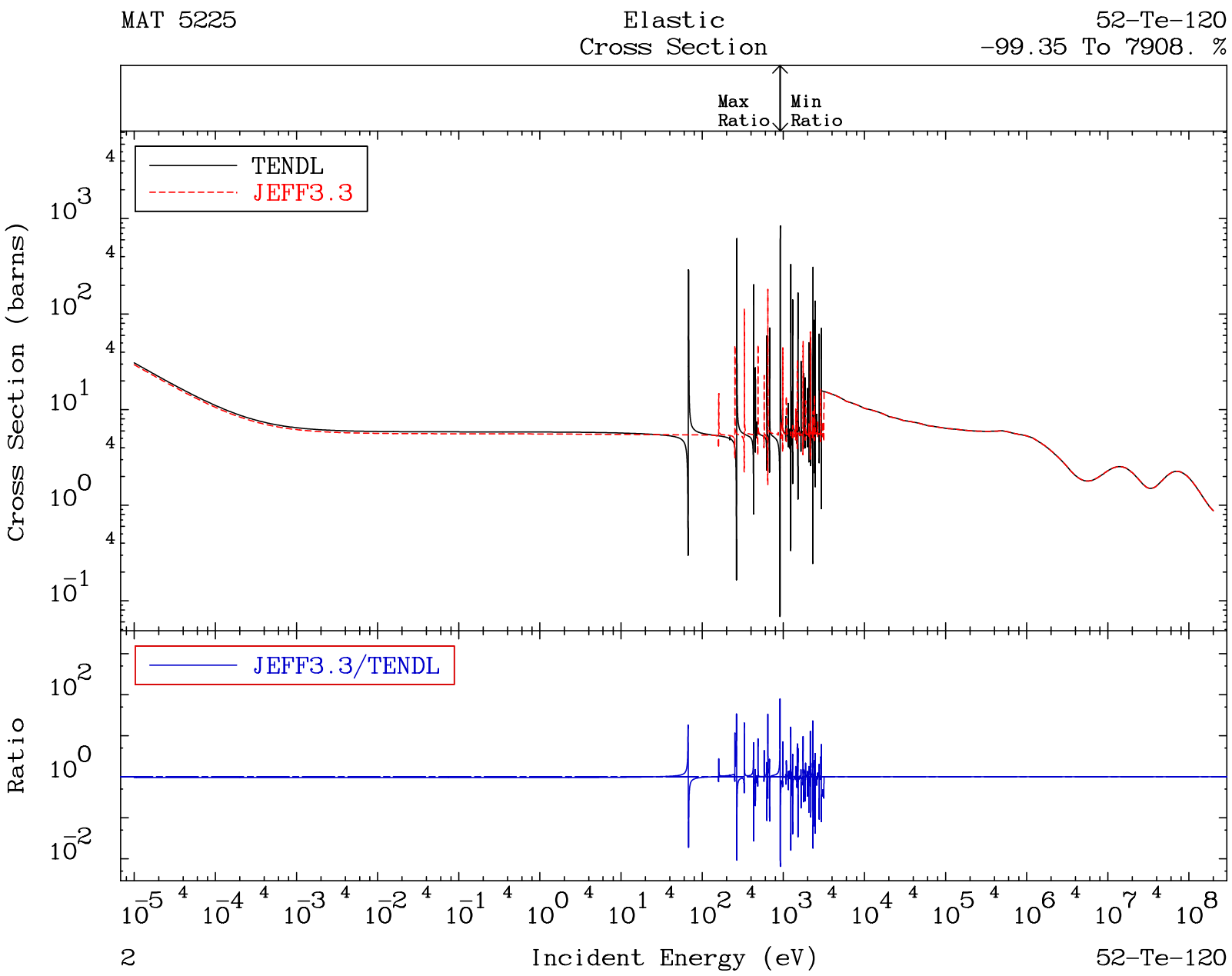
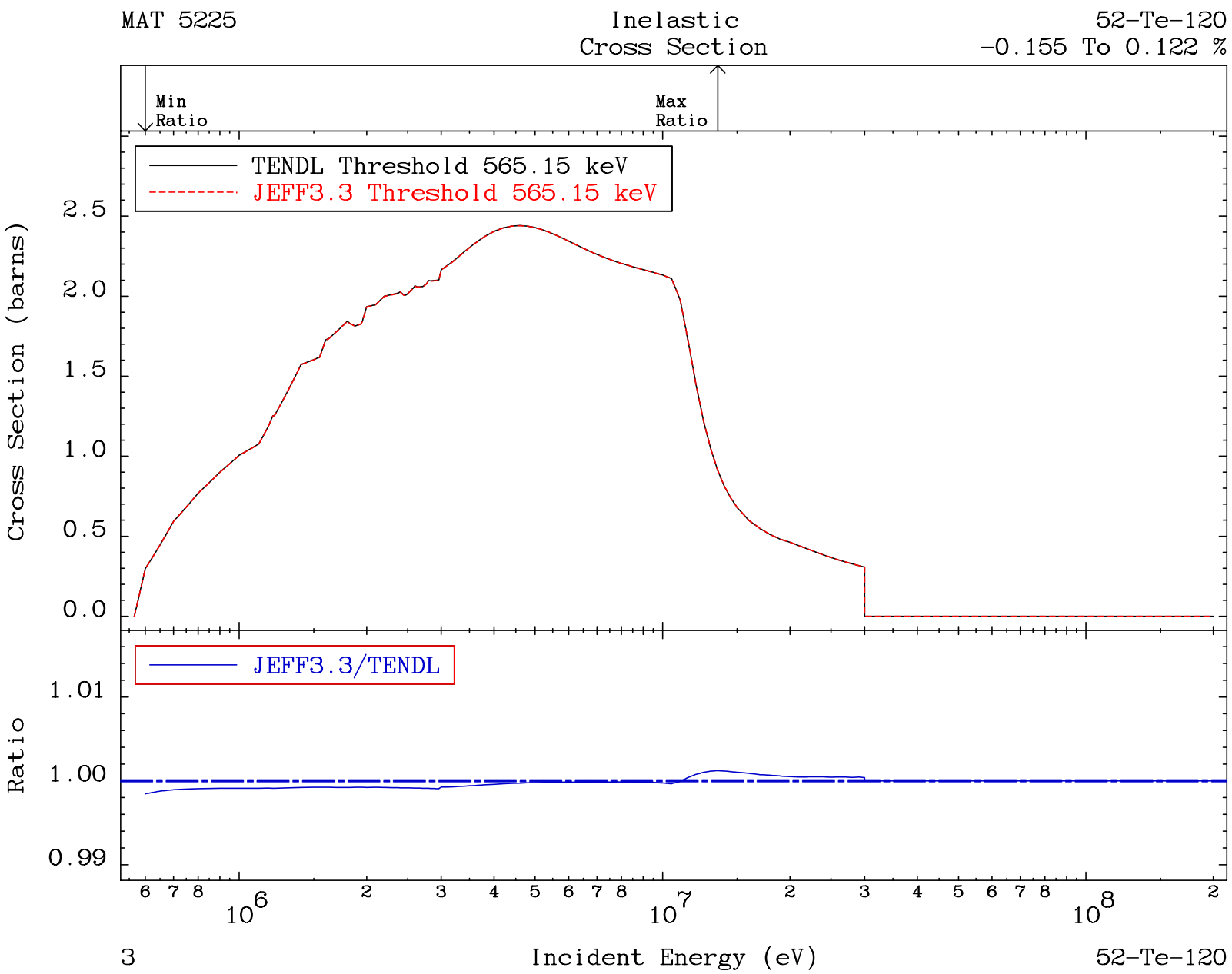
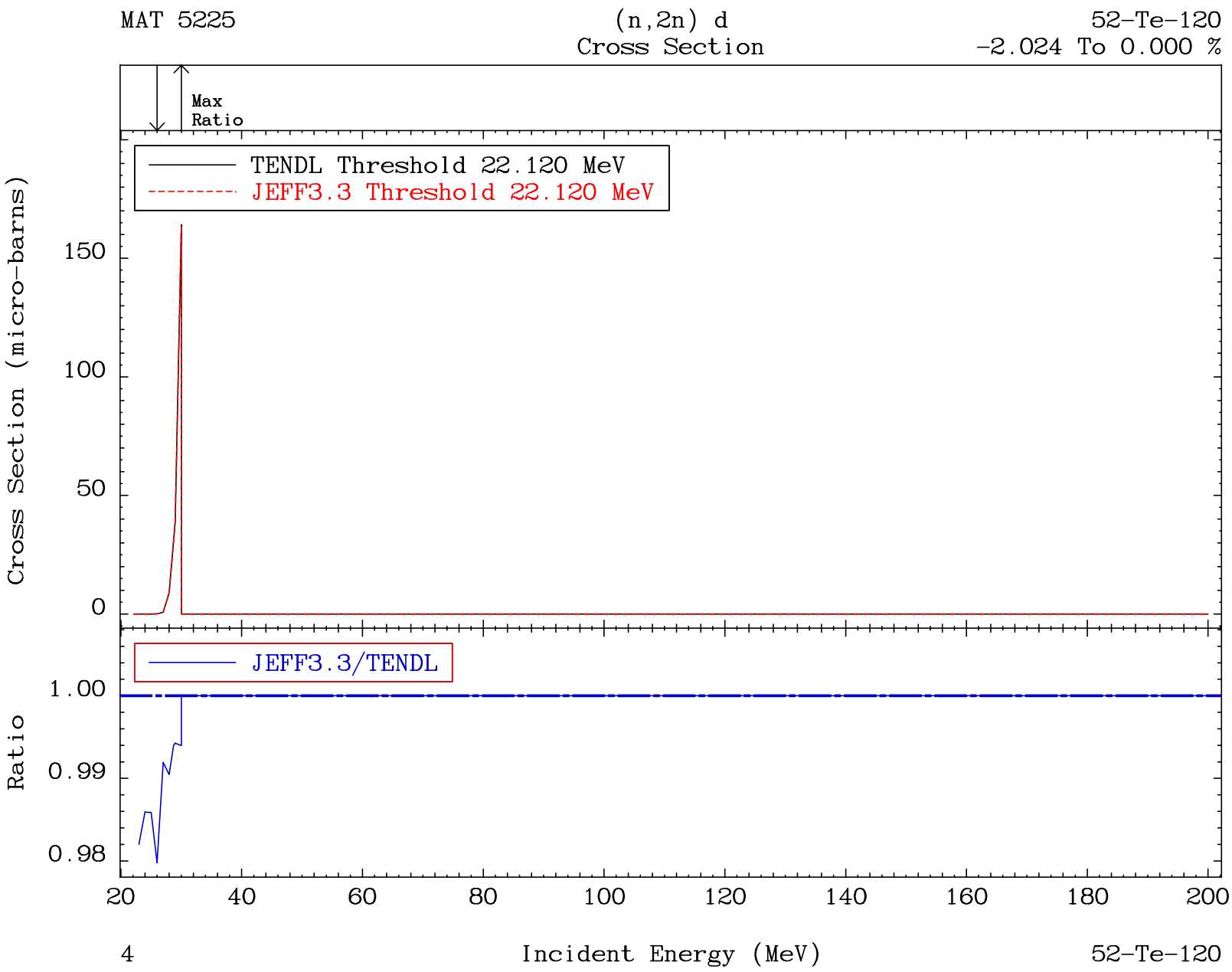
Program Complot
(Version 2018-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

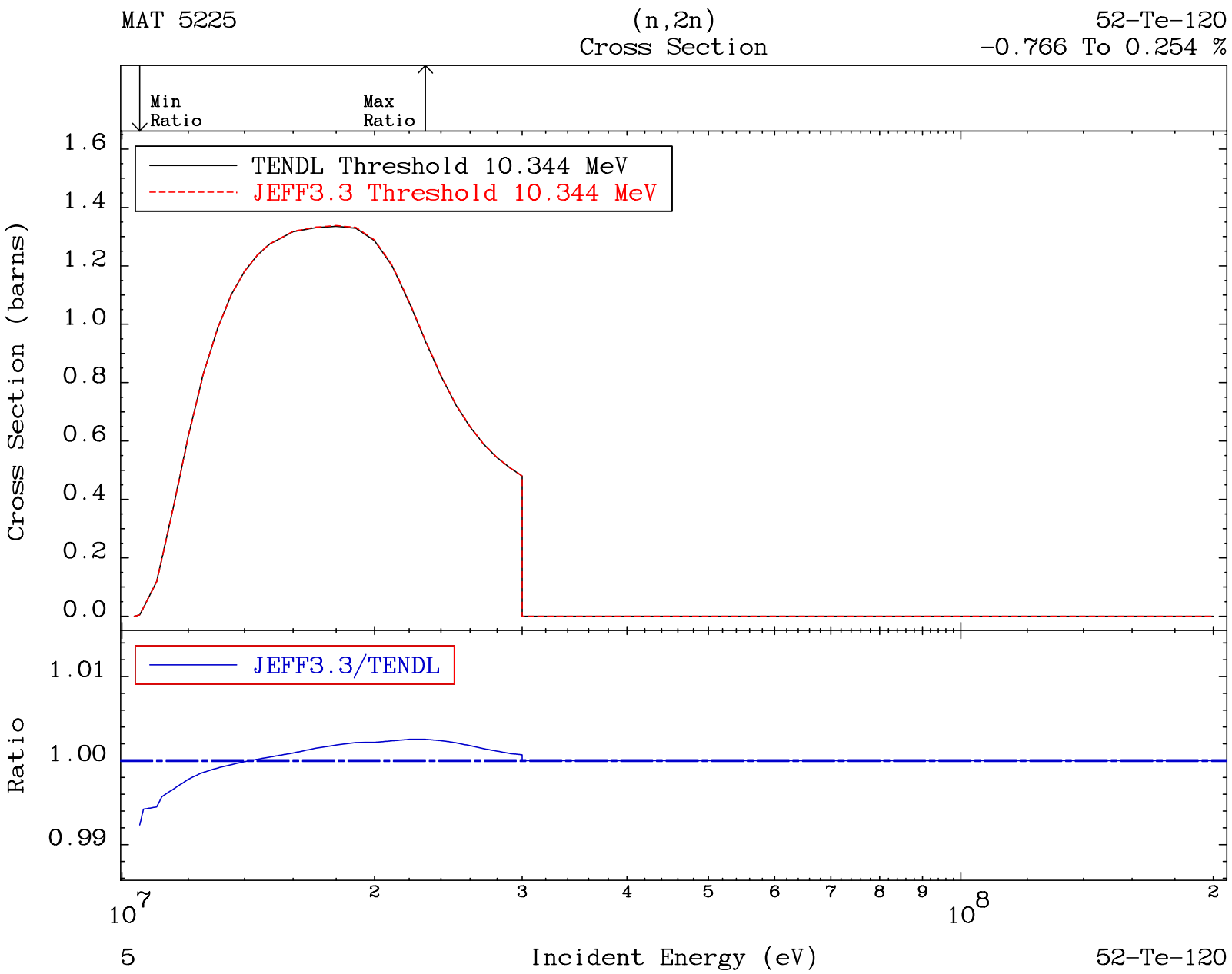
Press Mouse Button to Start

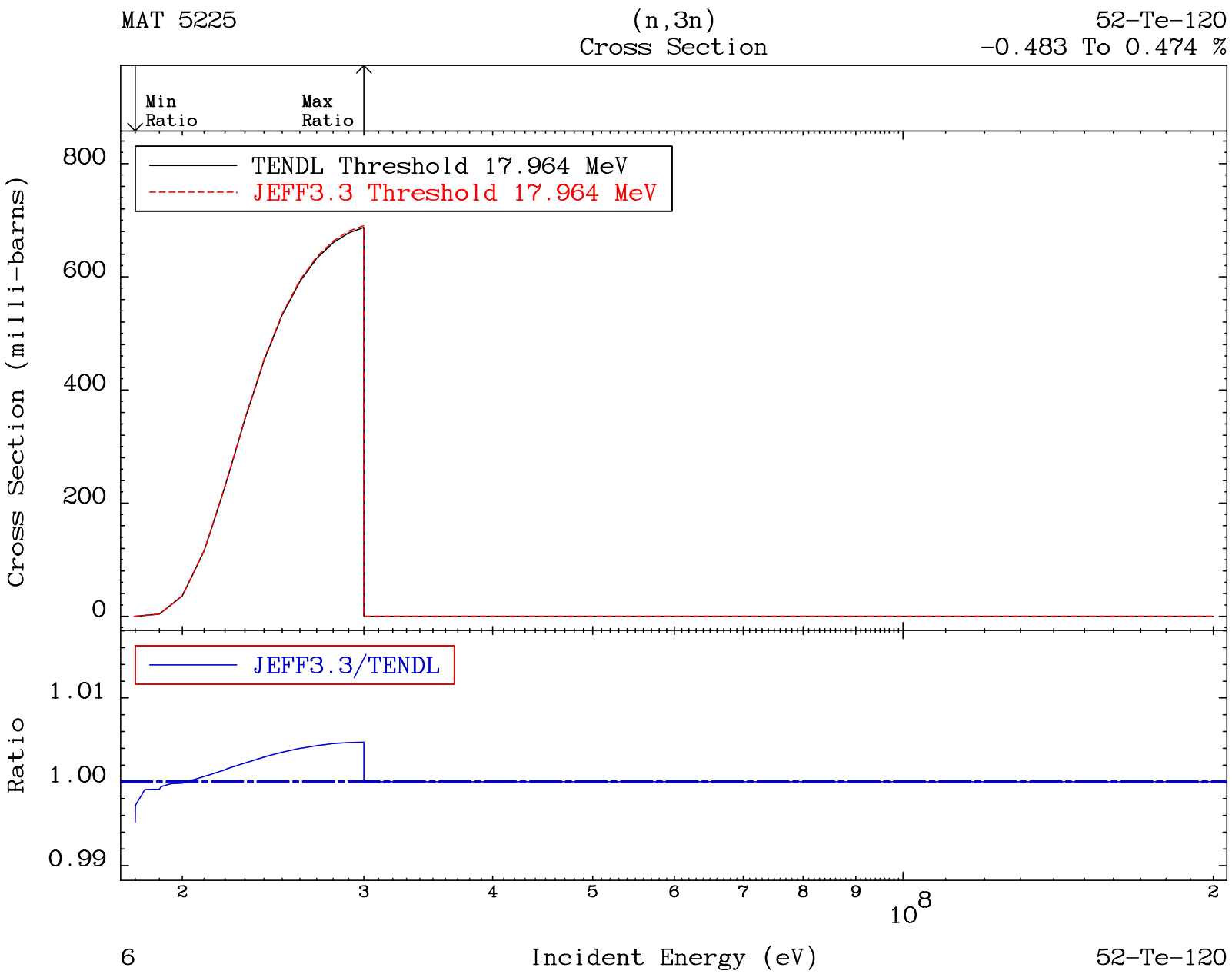

MAT 5225
Total
Cross Section
52-Te-120
-99.72 To 5845. %
Min
Ratio
Max
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
1
52-Te-120

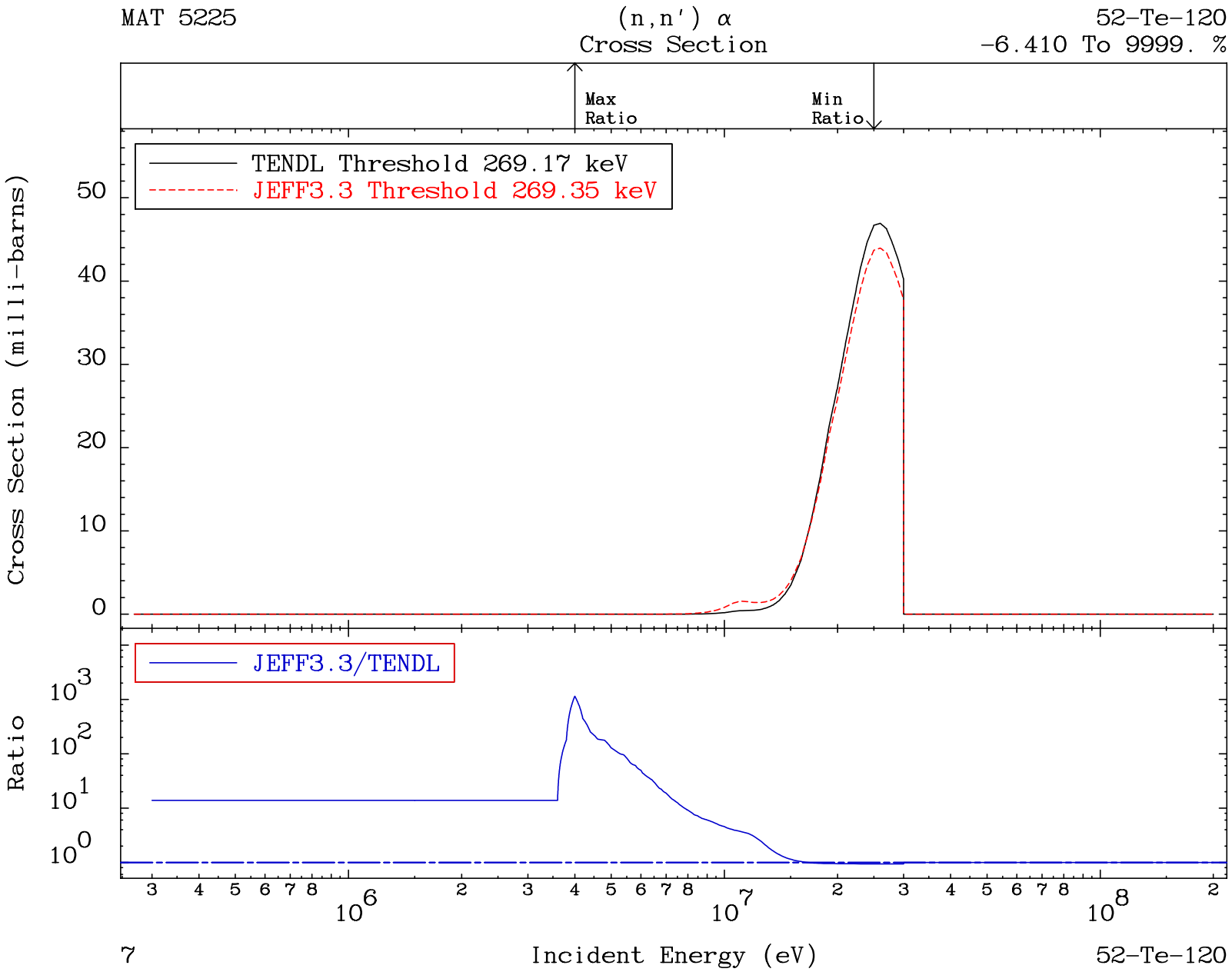

MAT 5225
Elastic
Cross Section
52-Te-120
-99.35 To 7908. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
2
52-Te-120

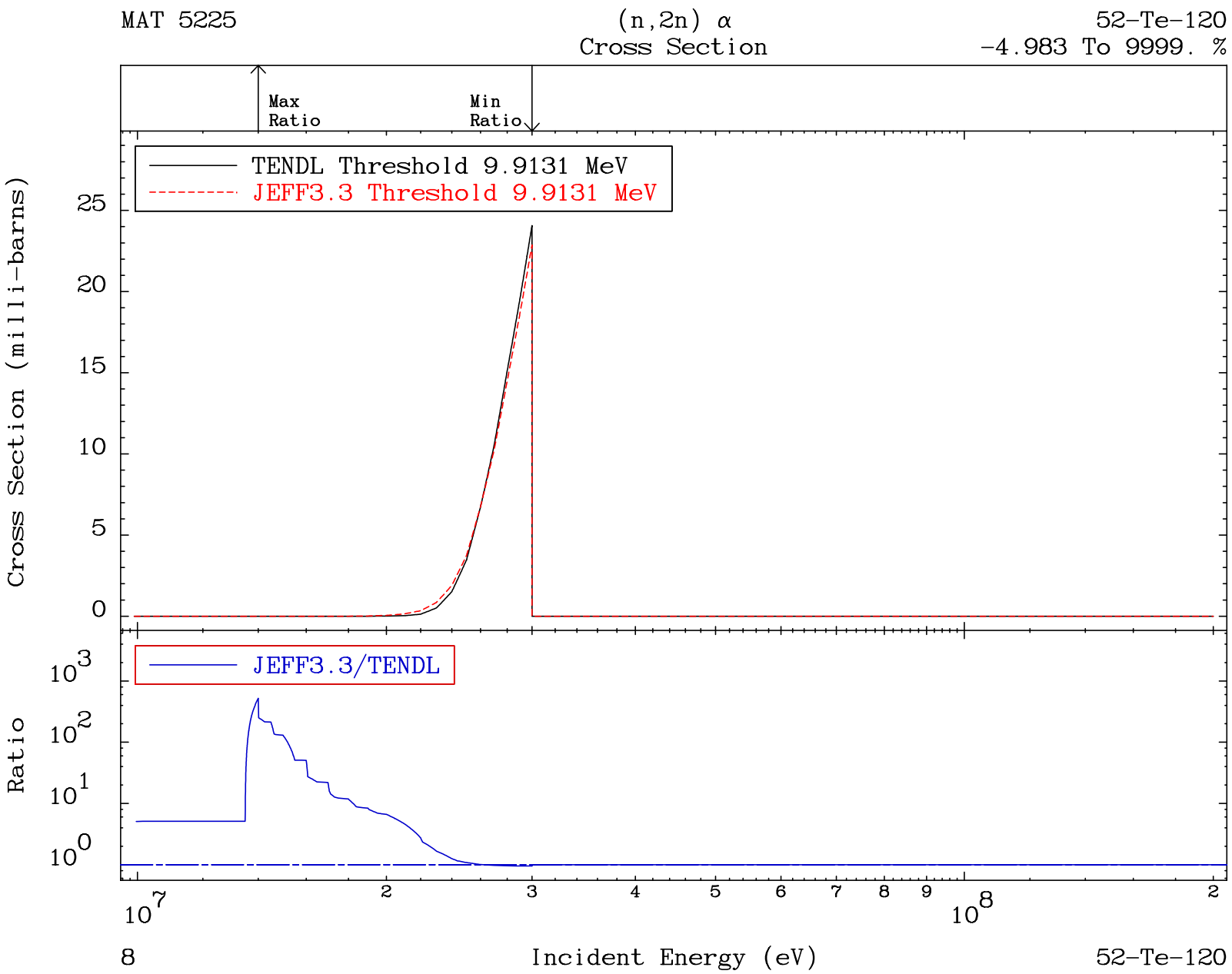

MAT 5225
Inelastic
Cross Section
52-Te-120
-0.155 To 0.122 %
Min
Ratio
Max
Ratio
TENDL Threshold 565.15 keV
JEFF3.3 Threshold 565.15 keV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
3
Incident Energy (eV)
52-Te-120

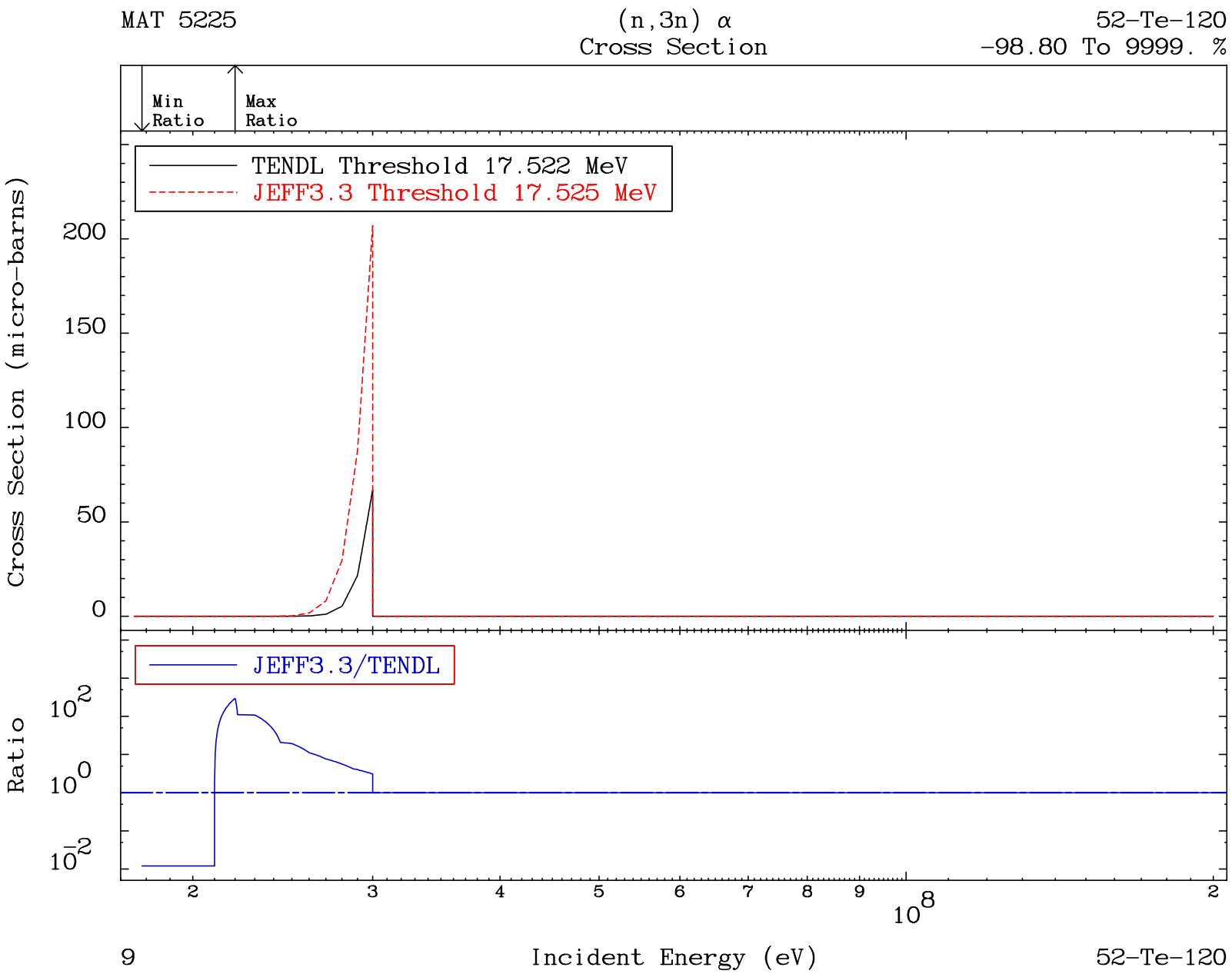

MAT 5225
(n,2n) d
Cross Section
52-Te-120
-2.024 To 0.000 %
Max
Ratio
TENDL Threshold 22.120 MeV
JEFF3.3 Threshold 22.120 MeV
Cross Section (micro-barns)
150
100
50
0
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
20
40
60
80
100
120
140
160
180
200
4
Incident Energy (MeV)
52-Te-120

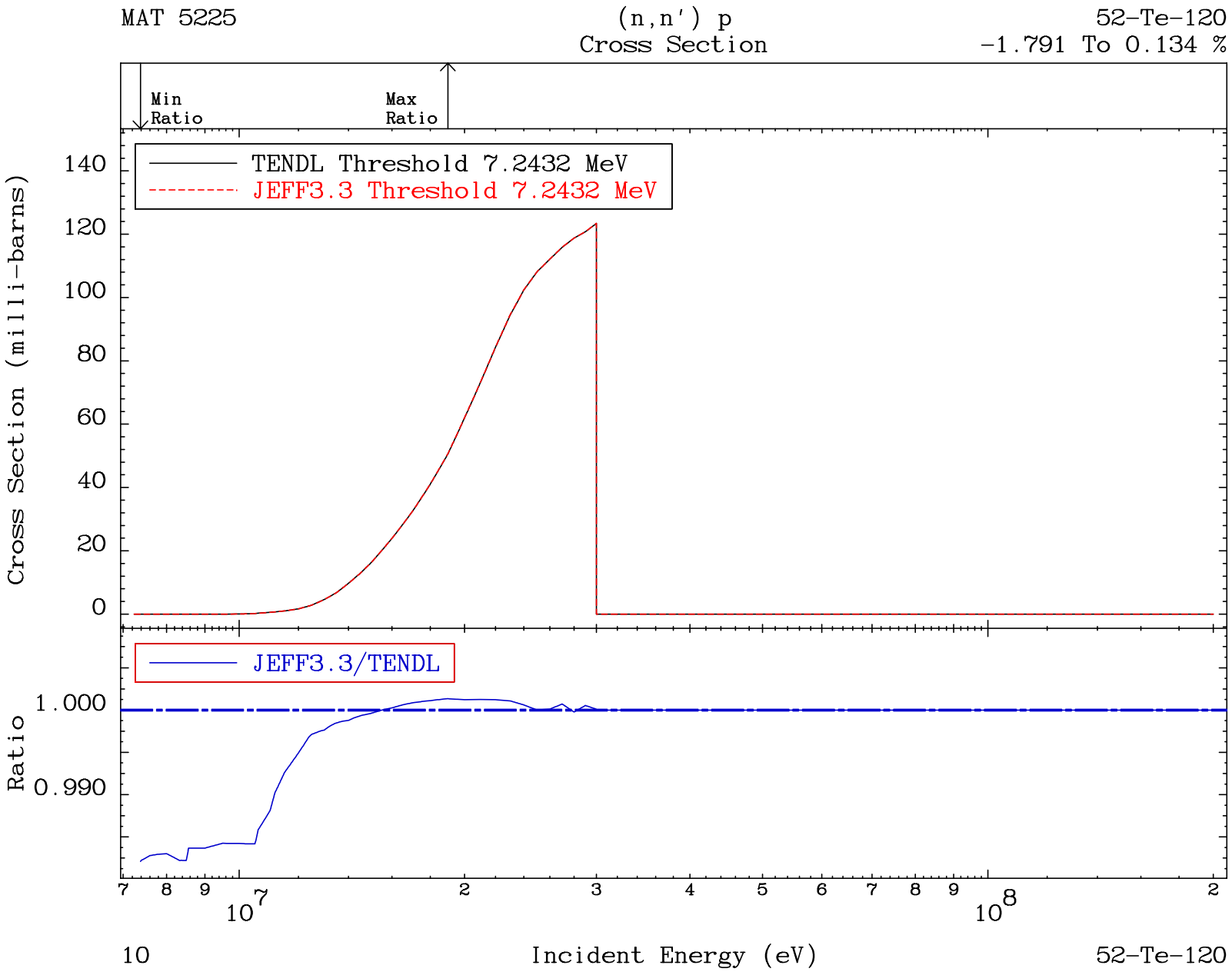

MAT 5225
(n,2n)
Cross Section
52-Te-120
-0.766 To 0.254 %
Min Ratio
Max Ratio
TENDL Threshold 10.344 MeV
JEFF3.3 Threshold 10.344 MeV
Cross Section (barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
52-Te-120

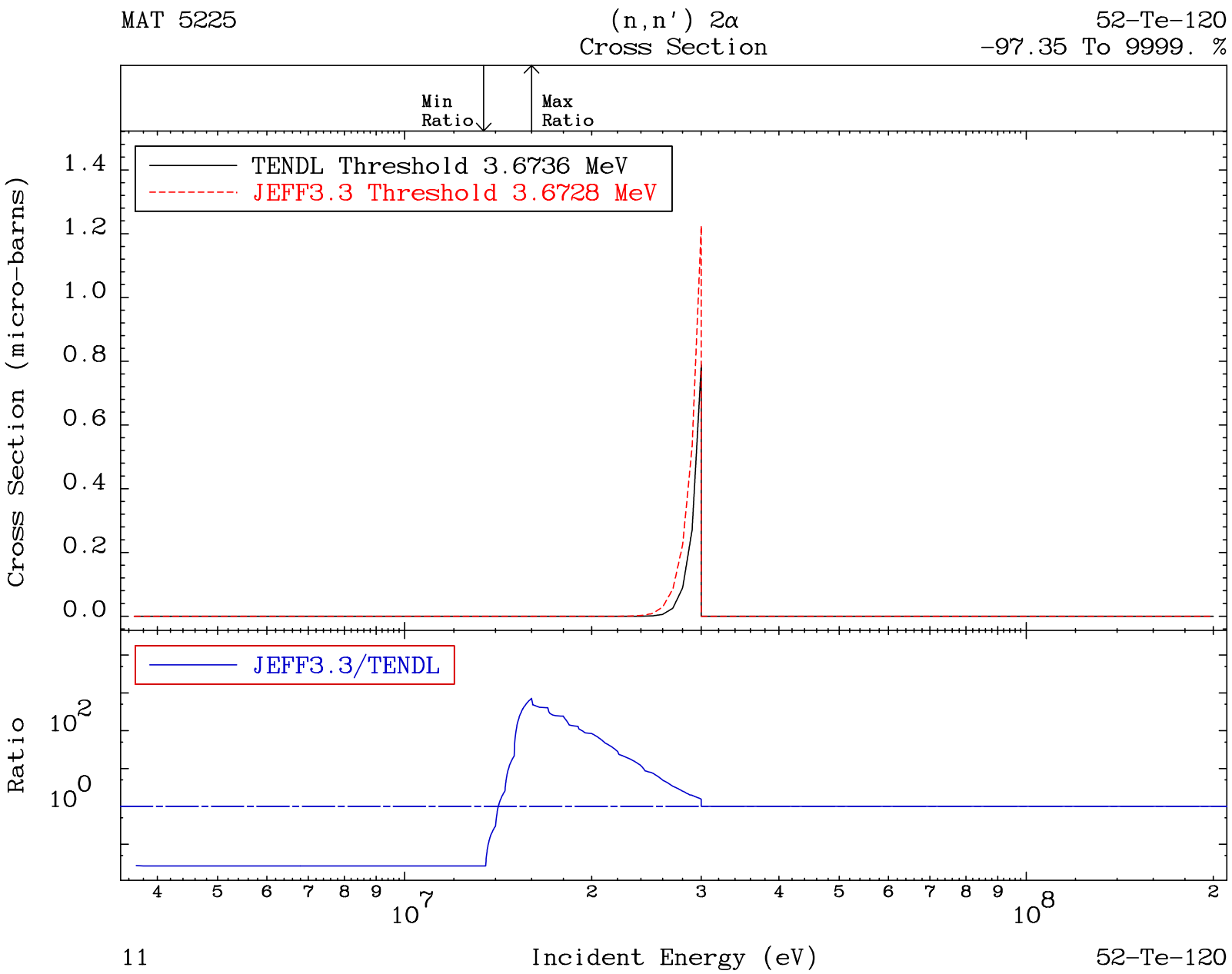

MAT 5225
(n,3n)
Cross Section
52-Te-120
-0.483 To 0.474 %
Min Ratio
Max Ratio
TENDL Threshold 17.964 MeV
JEFF3.3 Threshold 17.964 MeV
Cross Section (milli-barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
52-Te-120

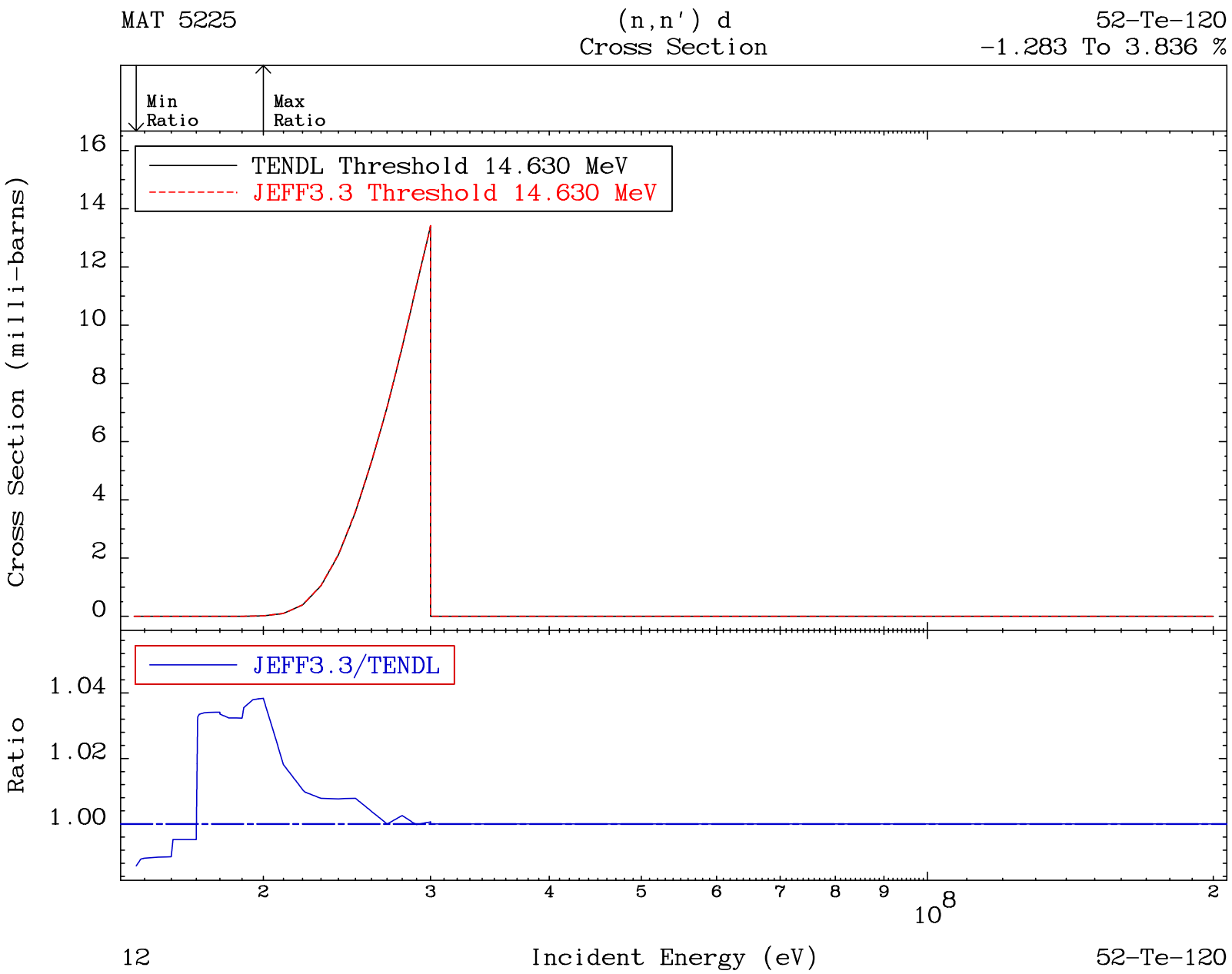

MAT 5225
(n,n') α
Cross Section
52-Te-120
-6.410 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 269.17 keV
JEFF3.3 Threshold 269.35 keV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
10^3
10^2
10^1
10^0
3 4 5 6 7 8
10^6
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
7
Incident Energy (eV)
52-Te-120

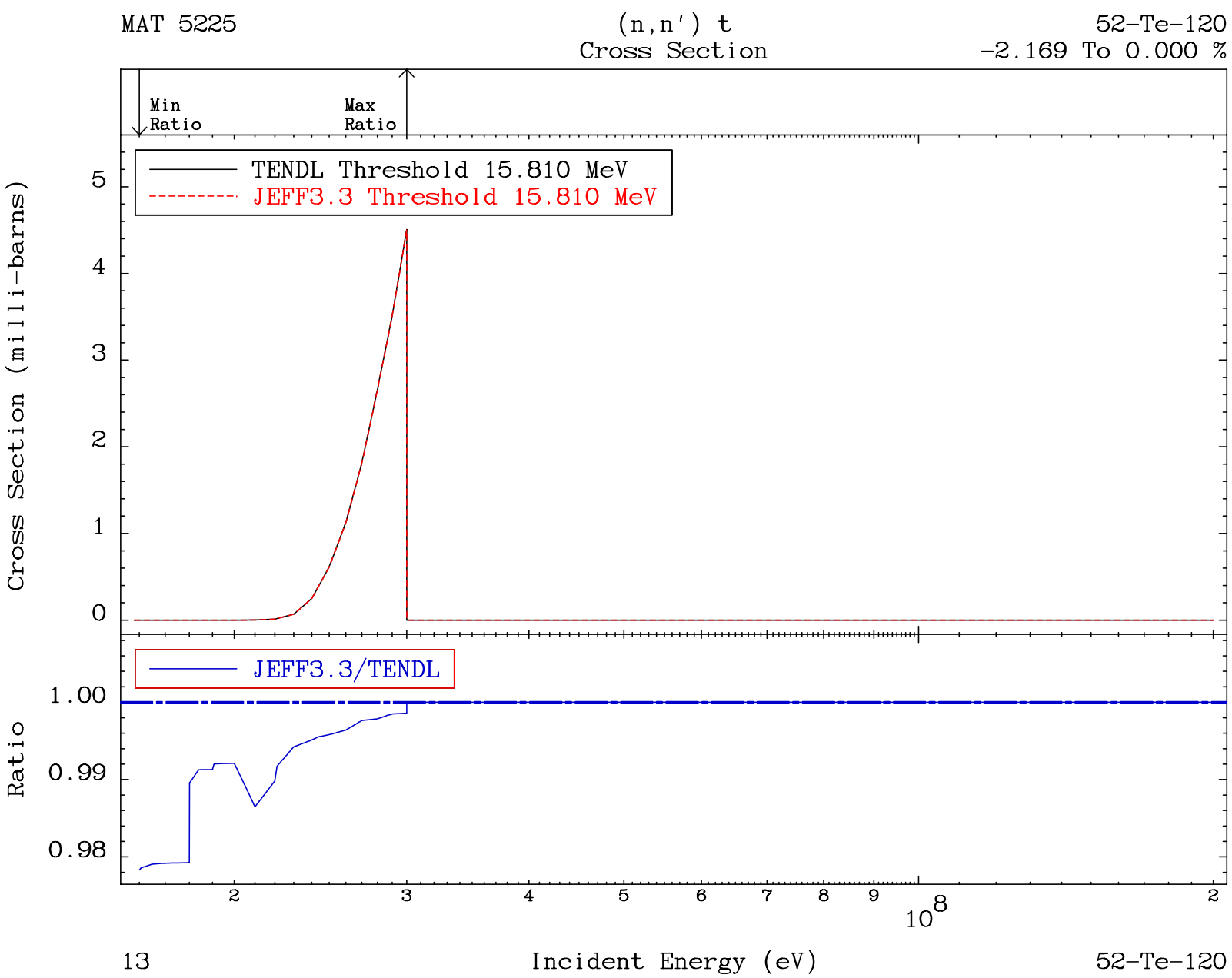

MAT 5225
(n,2n) α
Cross Section
52-Te-120
-4.983 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.9131 MeV
JEFF3.3 Threshold 9.9131 MeV
Cross Section (milli-barns)
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
10^3
10^2
10^1
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
52-Te-120

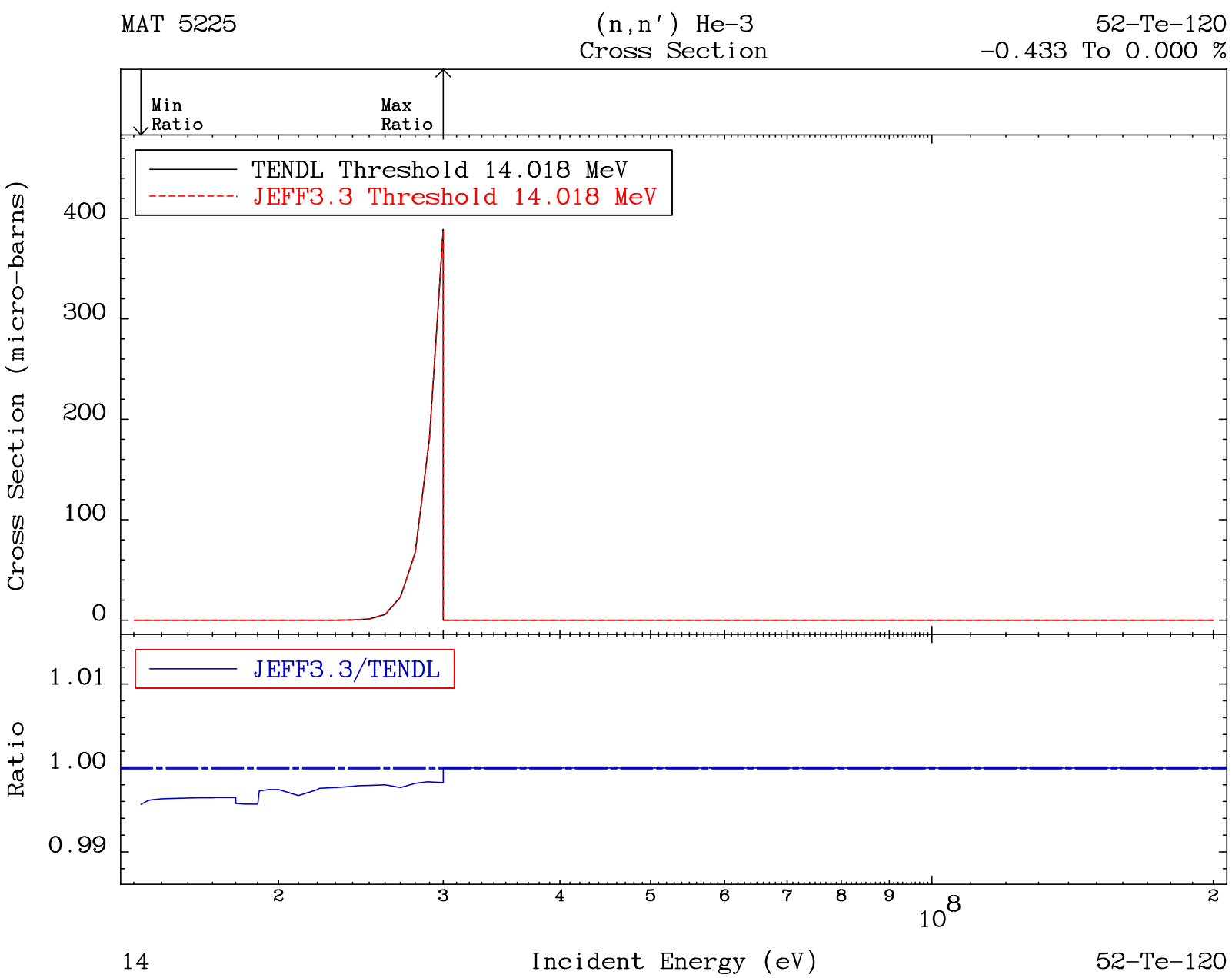

MAT 5225
(n,3n) α
Cross Section
52-Te-120
-98.80 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 17.522 MeV
JEFF3.3 Threshold 17.525 MeV
Cross Section (micro-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^2
10^0
10^-2
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
52-Te-120

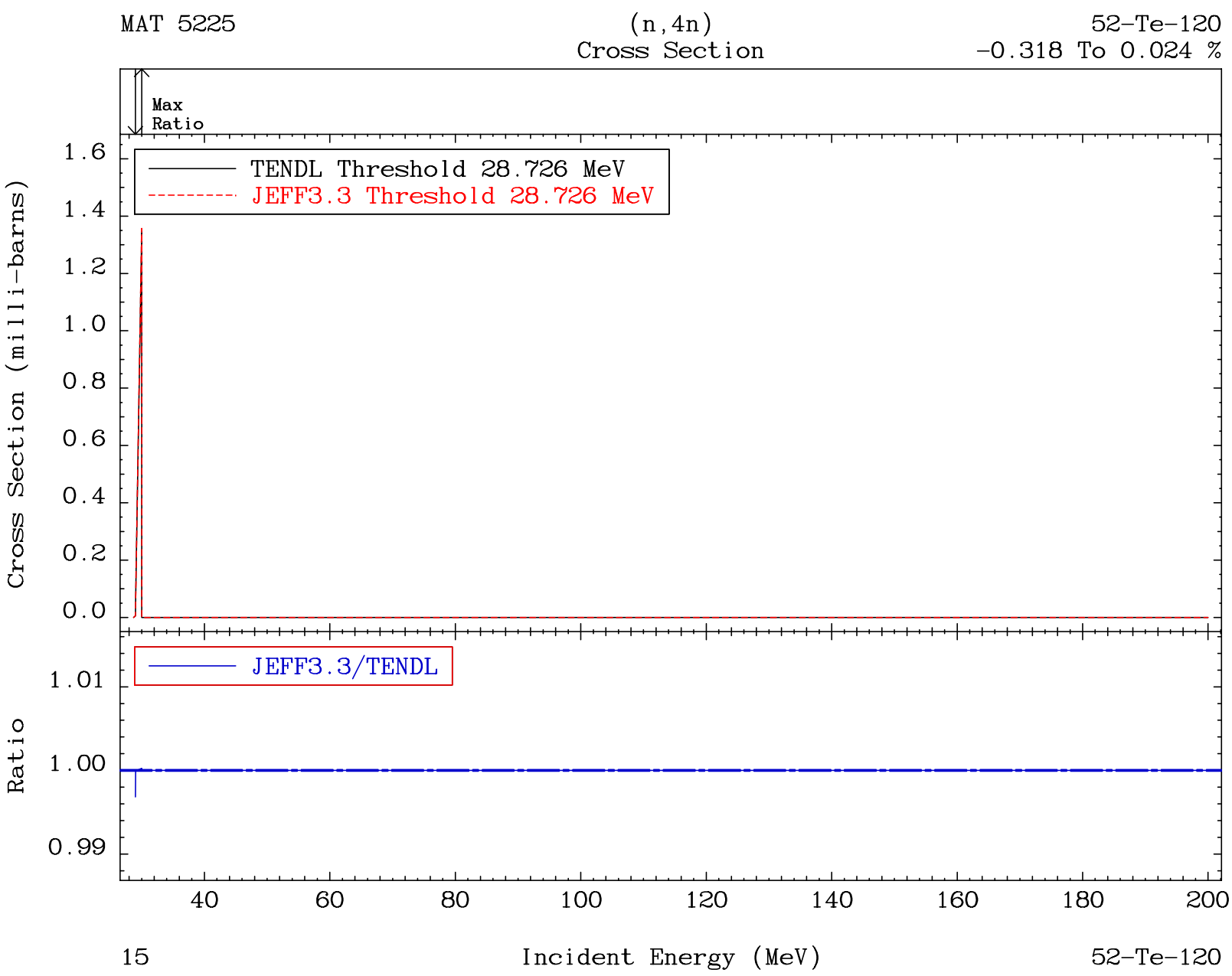

MAT 5225
(n,n') p
Cross Section
52-Te-120
-1.791 To 0.134 %
Min Ratio
Max Ratio
TENDL Threshold 7.2432 MeV
JEFF3.3 Threshold 7.2432 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.000
0.990
7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
10
Incident Energy (eV)
52-Te-120

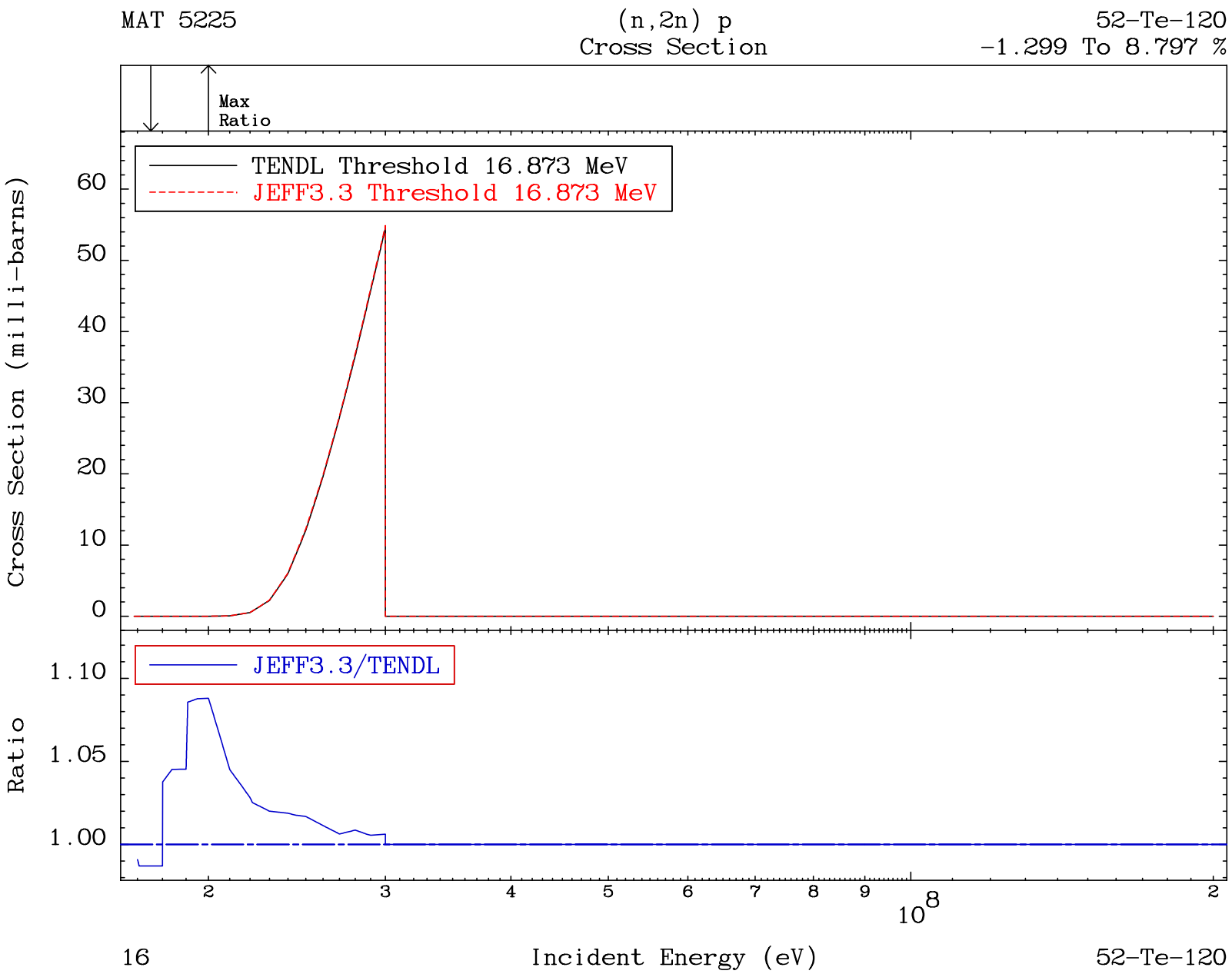

MAT 5225
(n,n') 2α
Cross Section
52-Te-120
-97.35 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.6736 MeV
JEFF3.3 Threshold 3.6728 MeV
Cross Section (micro-barns)
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
10^2
10^0
4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
11
Incident Energy (eV)
52-Te-120

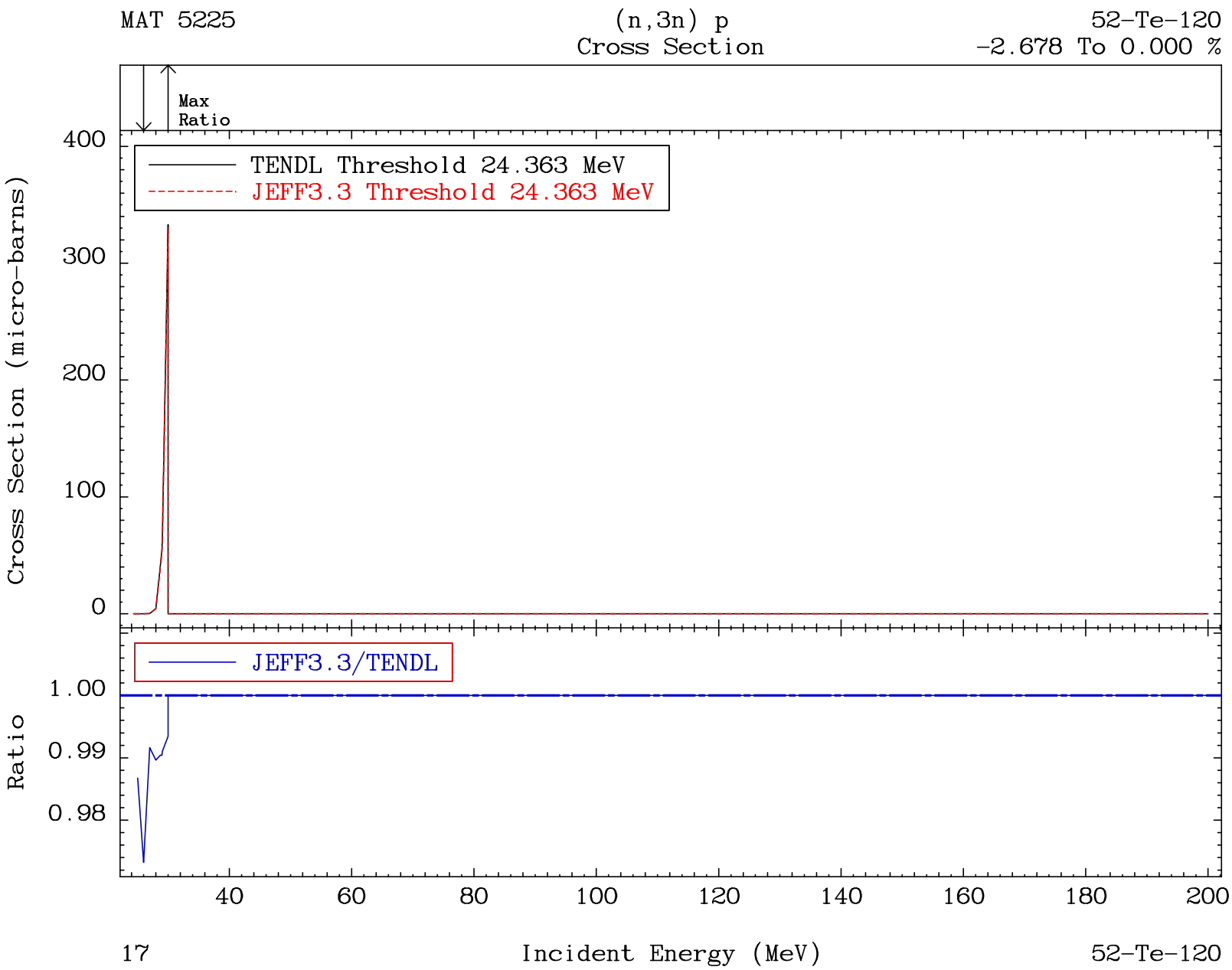

MAT 5225
(n,n') d
Cross Section
52-Te-120
-1.283 To 3.836 %
Min Ratio
Max Ratio
TENDL Threshold 14.630 MeV
JEFF3.3 Threshold 14.630 MeV
Cross Section (milli-barns)
16
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.04
1.02
1.00
2
3
4
5
6
7
8
9
10^8
2
12
Incident Energy (eV)
52-Te-120

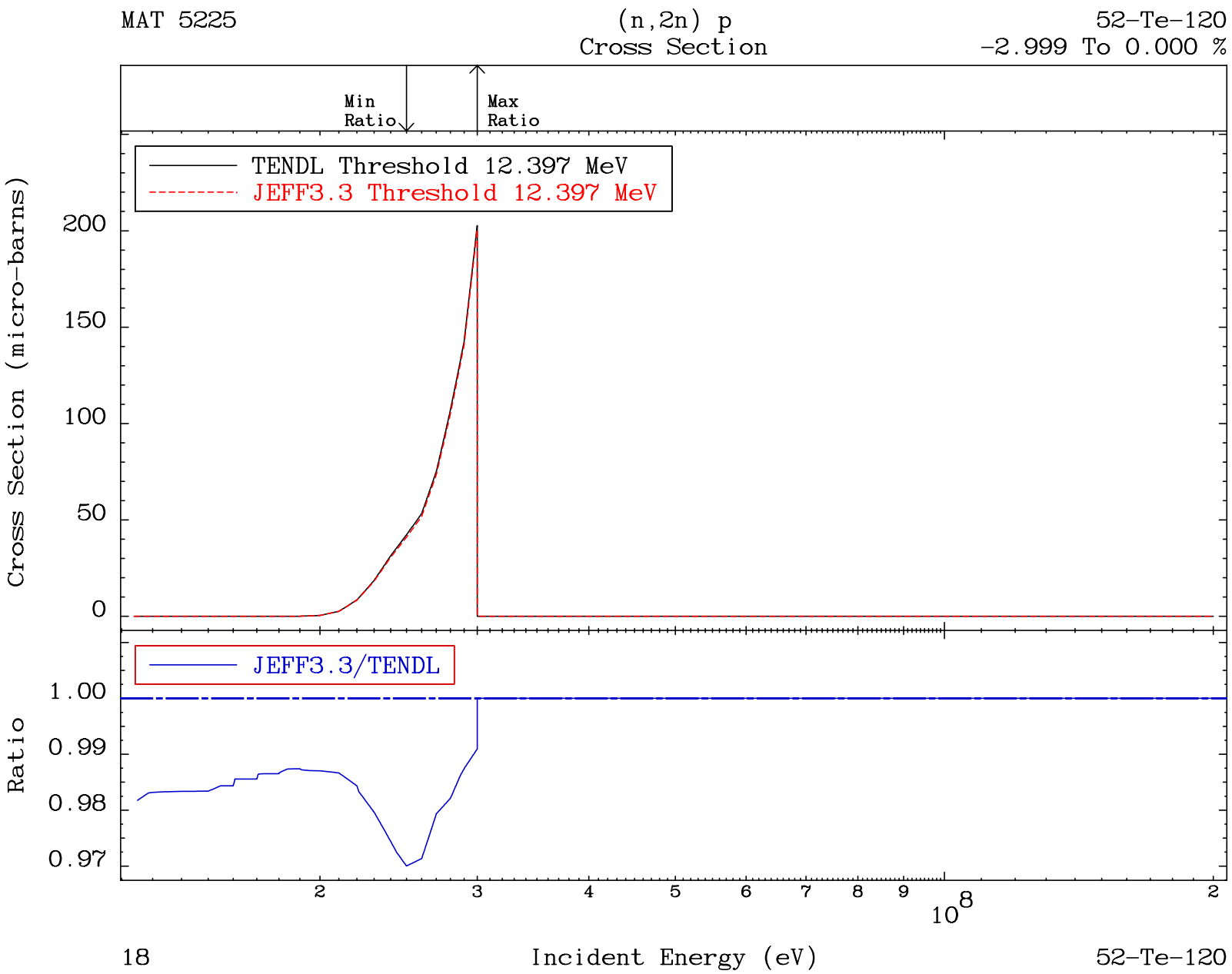

MAT 5225
(n,n') t
Cross Section
52-Te-120
-2.169 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 15.810 MeV
JEFF3.3 Threshold 15.810 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
2
3
4
5
6
7
8
9
10^8
2
13
Incident Energy (eV)
52-Te-120

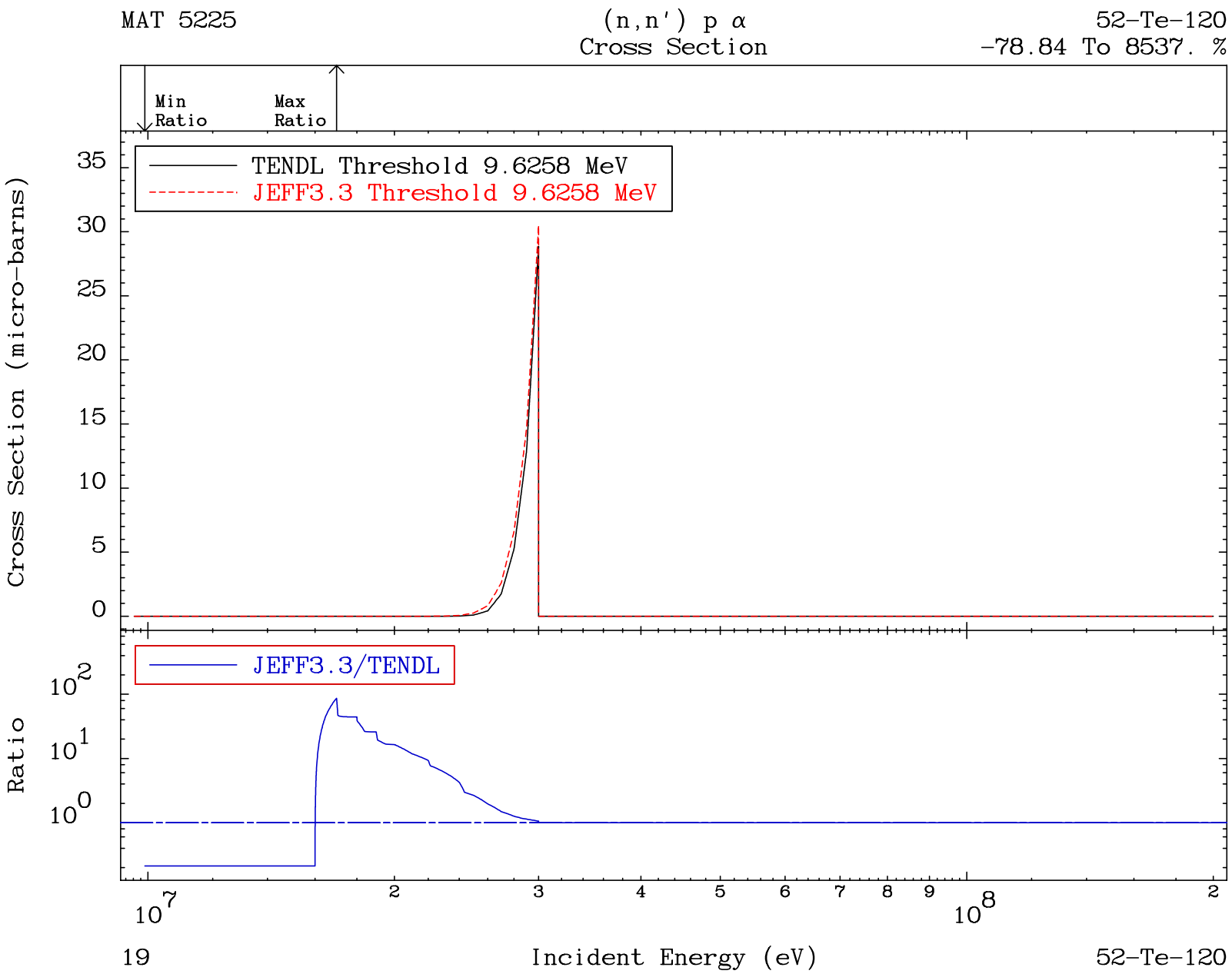

MAT 5225
(n,n') He-3
Cross Section
52-Te-120
-0.433 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 14.018 MeV
JEFF3.3 Threshold 14.018 MeV
Cross Section (micro-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
14
Incident Energy (eV)
52-Te-120

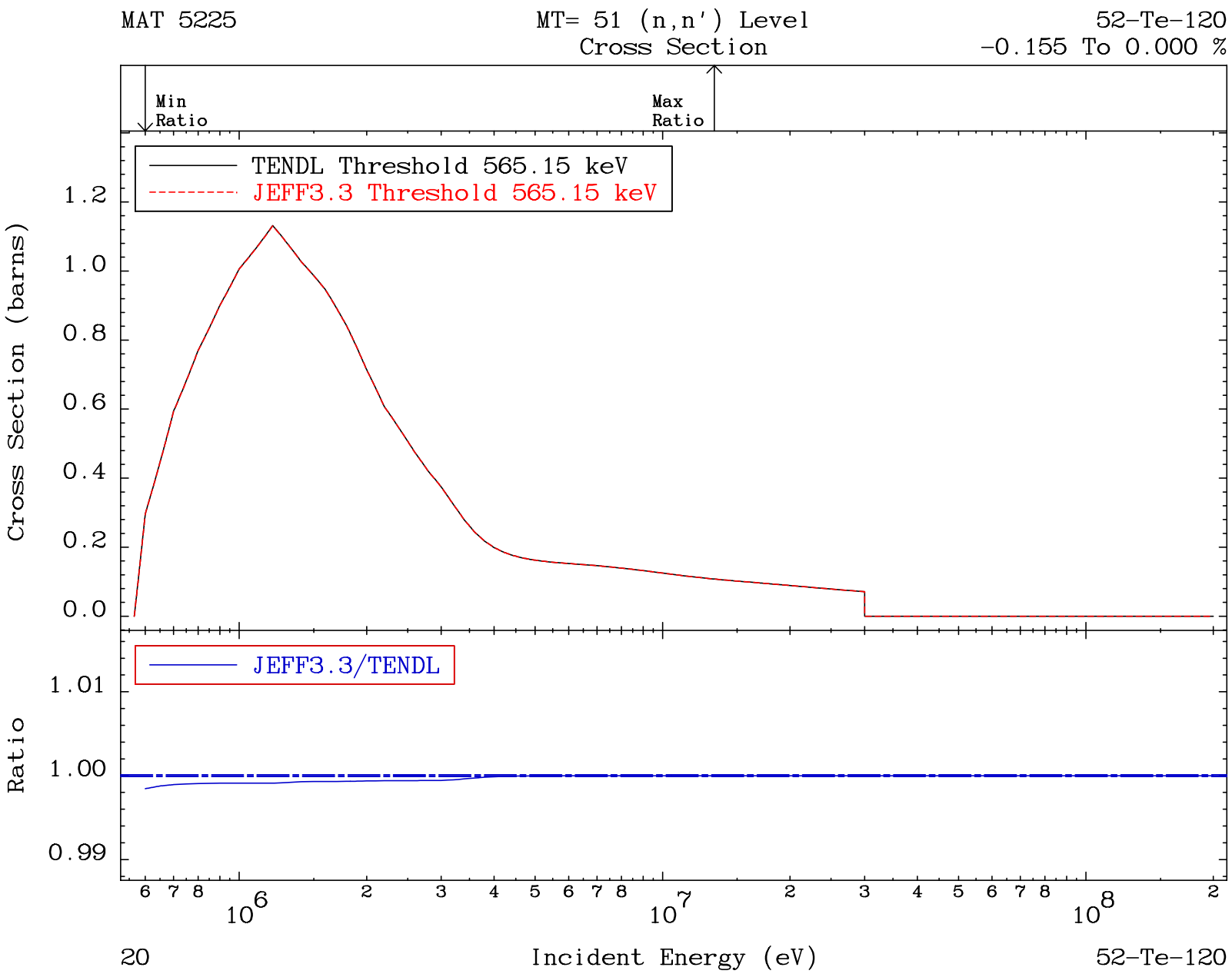

MAT 5225
(n,4n)
Cross Section
52-Te-120
-0.318 To 0.024 %
Max
Ratio
TENDL Threshold 28.726 MeV
JEFF3.3 Threshold 28.726 MeV
Cross Section (milli-barns)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
15
Incident Energy (MeV)
52-Te-120

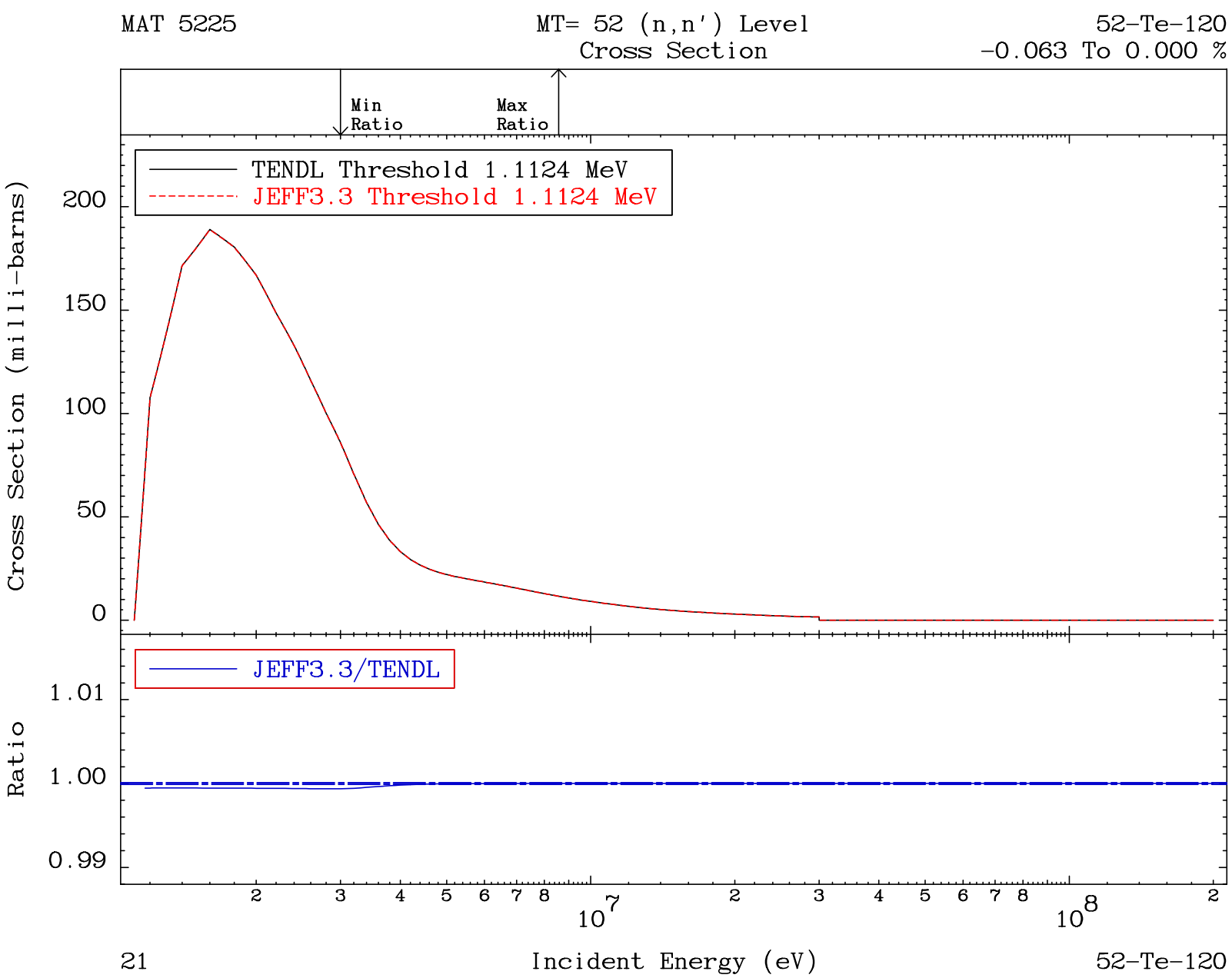

MAT 5225
(n,2n) p
Cross Section
52-Te-120
-1.299 To 8.797 %
Max
Ratio
TENDL Threshold 16.873 MeV
JEFF3.3 Threshold 16.873 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.10
1.05
1.00
2
3
4
5
6
7
8
9
10^8
2
16
Incident Energy (eV)
52-Te-120

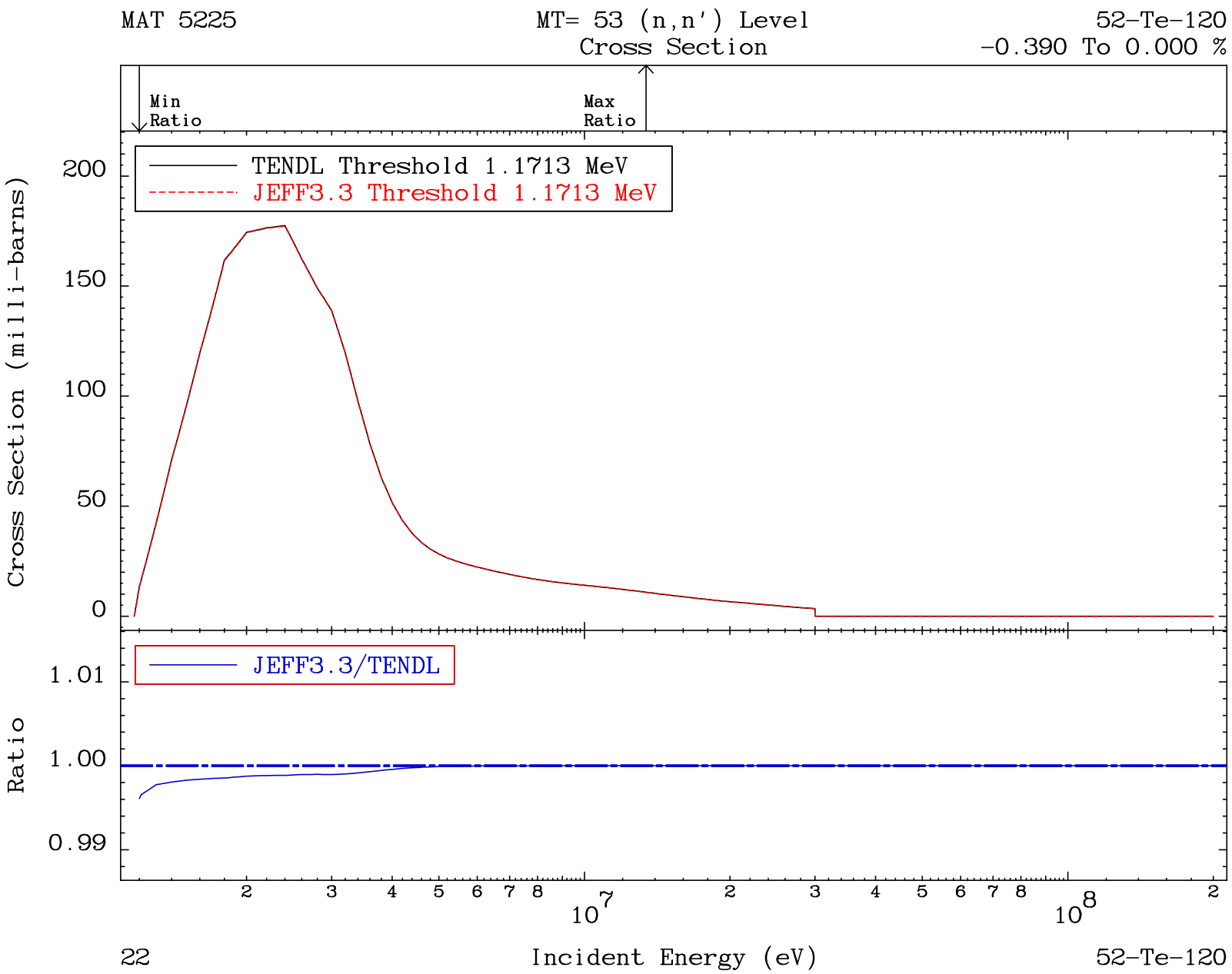

MAT 5225
(n,3n) p
Cross Section
52-Te-120
-2.678 To 0.000 %
Max
Ratio
TENDL Threshold 24.363 MeV
JEFF3.3 Threshold 24.363 MeV
Cross Section (micro-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
40
60
80
100
120
140
160
180
200
17
Incident Energy (MeV)
52-Te-120

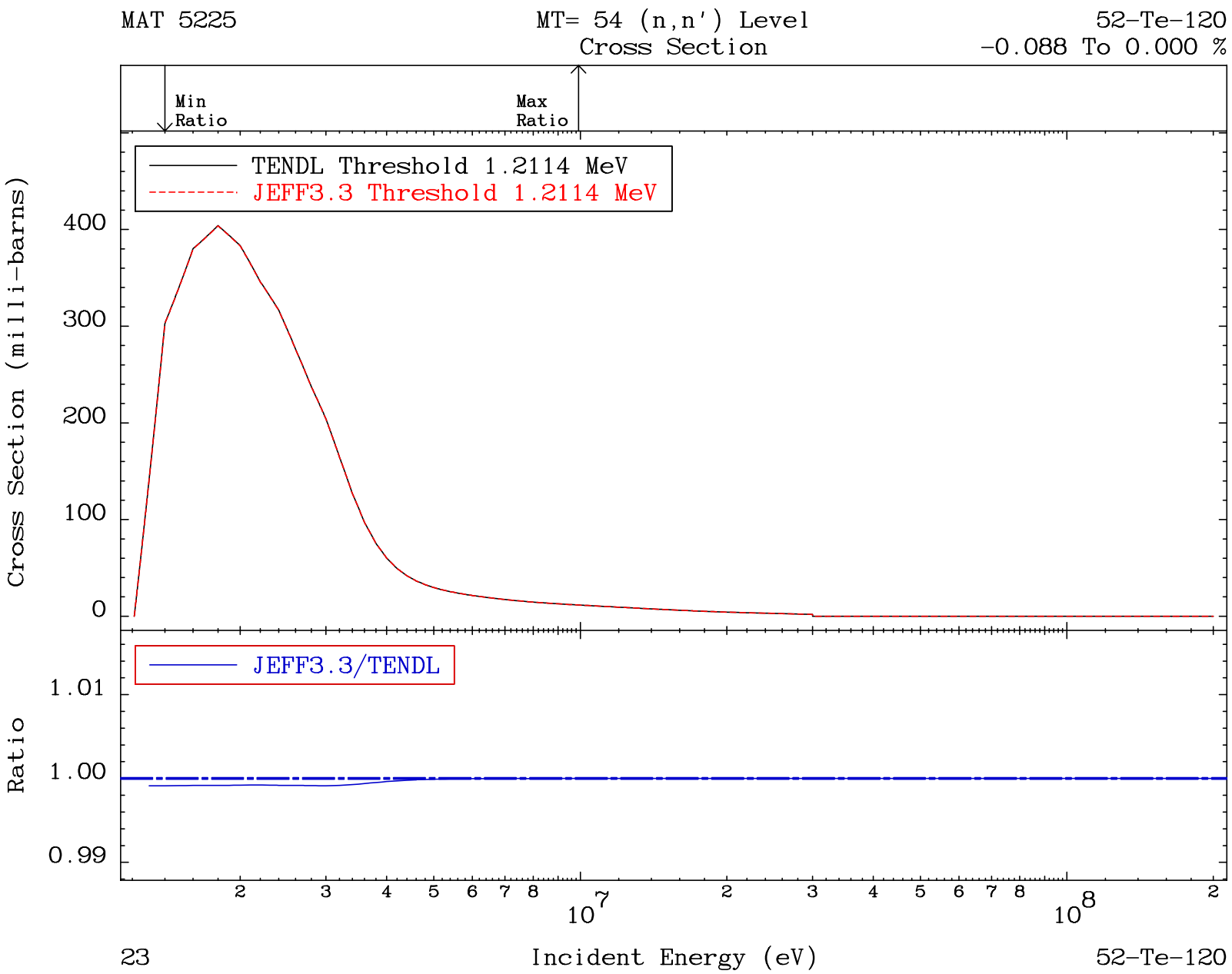

MAT 5225
(n,2n) p
Cross Section
52-Te-120
-2.999 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 12.397 MeV
JEFF3.3 Threshold 12.397 MeV
Cross Section (micro-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.00
0.99
0.98
0.97
2
3
4
5
6
7
8
9
10^8
2
18
Incident Energy (eV)
52-Te-120

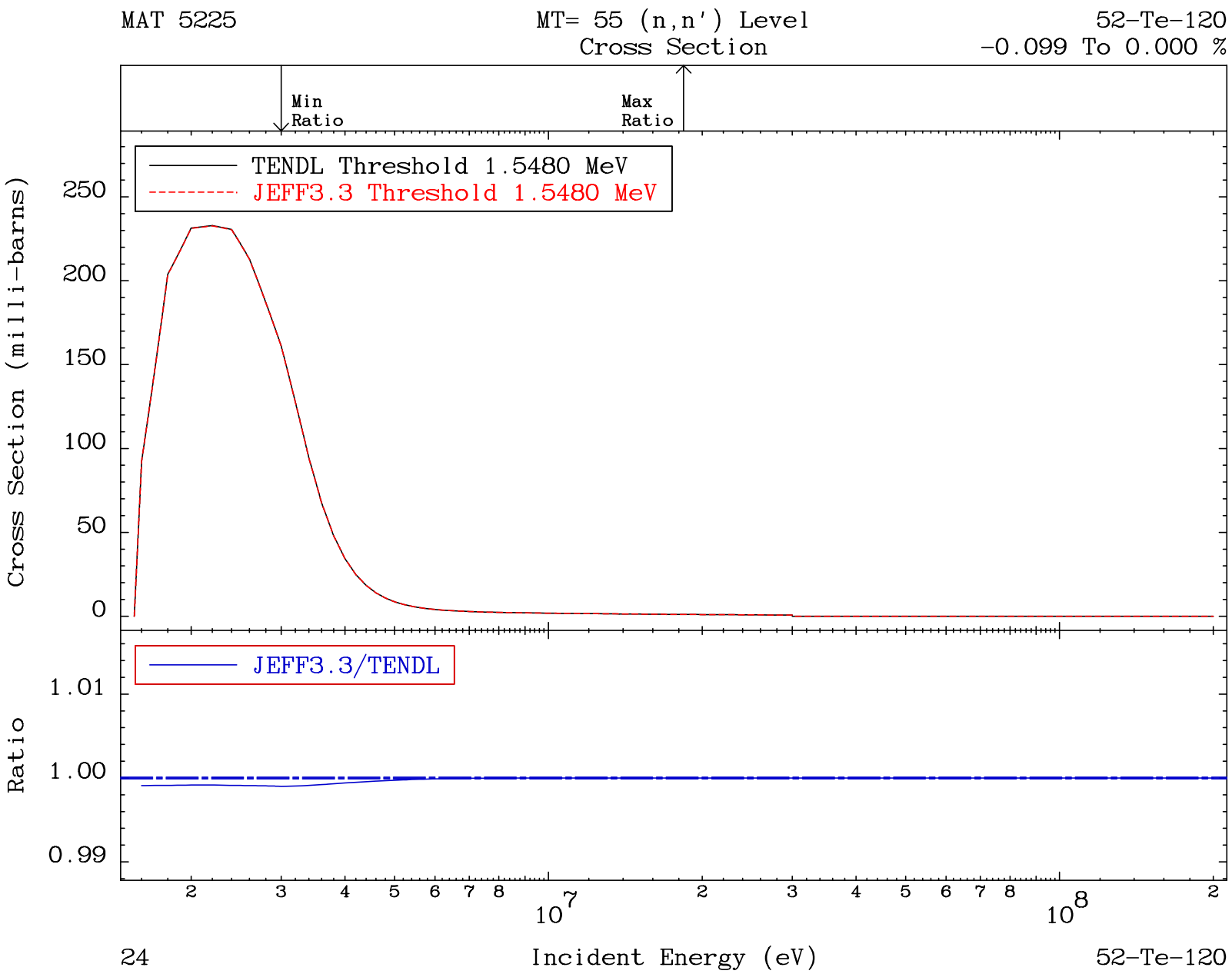

MAT 5225
(n,n') p α
Cross Section
52-Te-120
-78.84 To 8537. %
Min Ratio
Max Ratio
TENDL Threshold 9.6258 MeV
JEFF3.3 Threshold 9.6258 MeV
Cross Section (micro-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
19
Incident Energy (eV)
52-Te-120

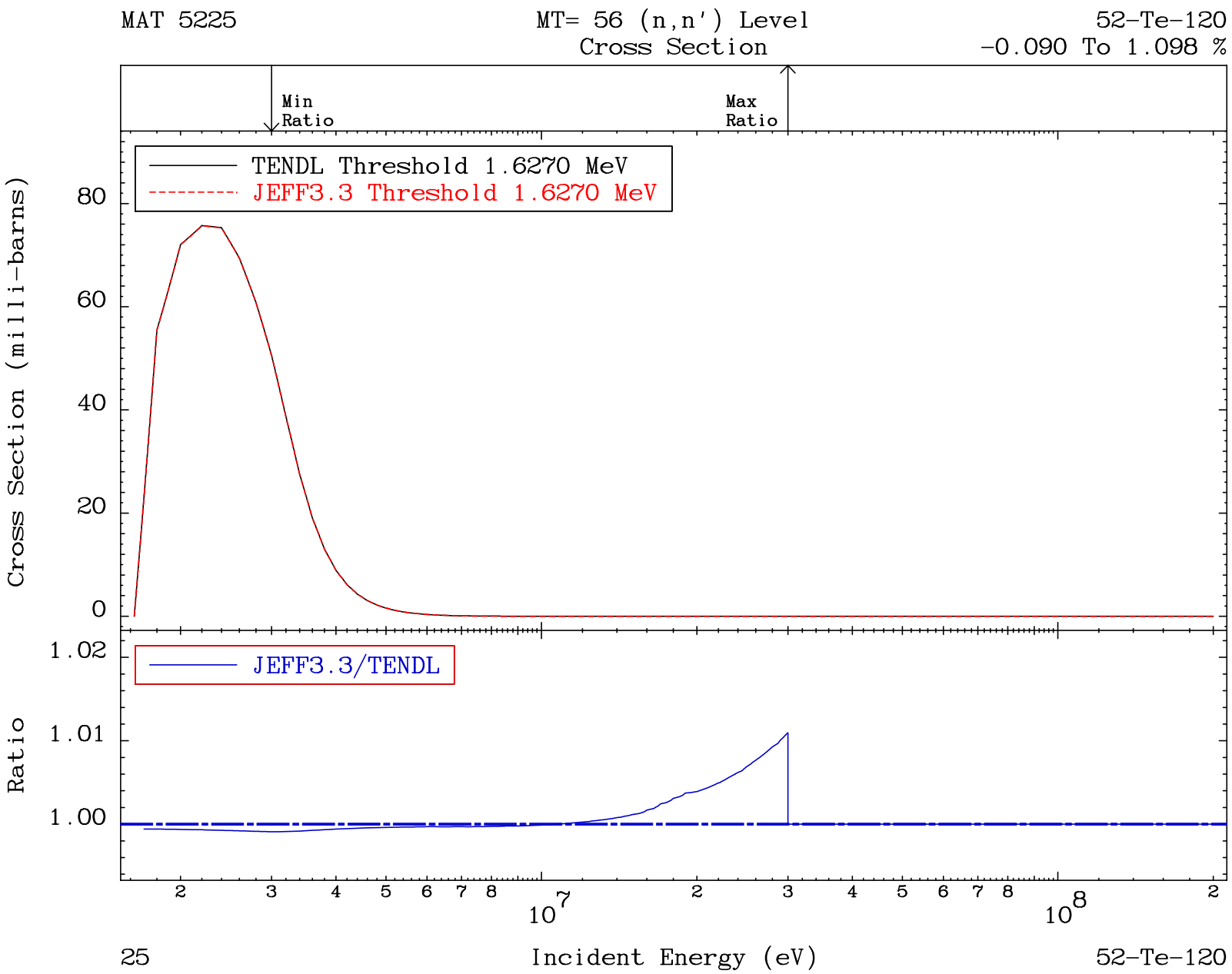

MAT 5225
MT= 51 (n,n') Level
Cross Section
52-Te-120
-0.155 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 565.15 keV
JEFF3.3 Threshold 565.15 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
6 7 8
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
20
Incident Energy (eV)
52-Te-120

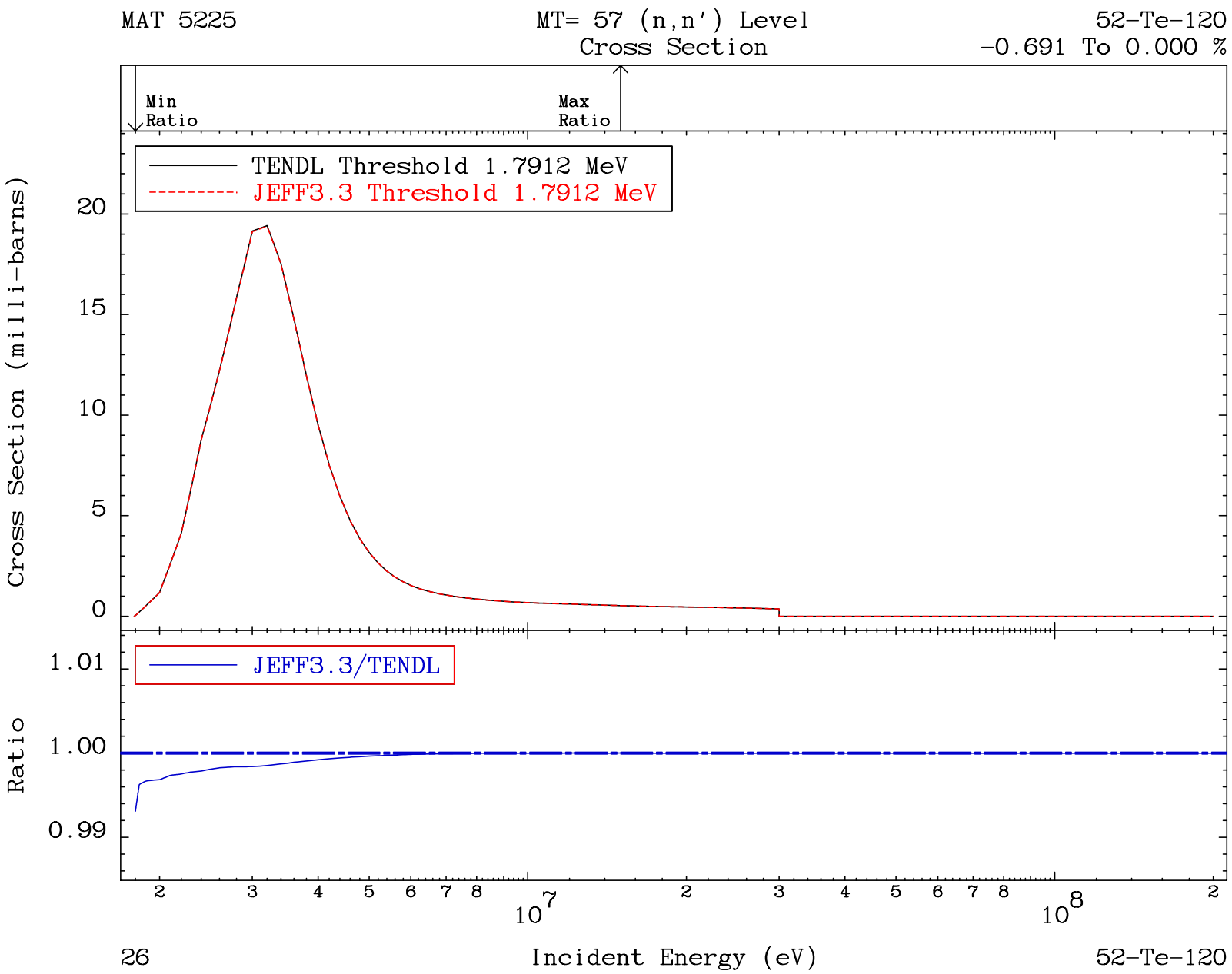

MAT 5225
MT= 52 (n,n') Level
Cross Section
52-Te-120
-0.063 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.1124 MeV
JEFF3.3 Threshold 1.1124 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
21
Incident Energy (eV)
52-Te-120

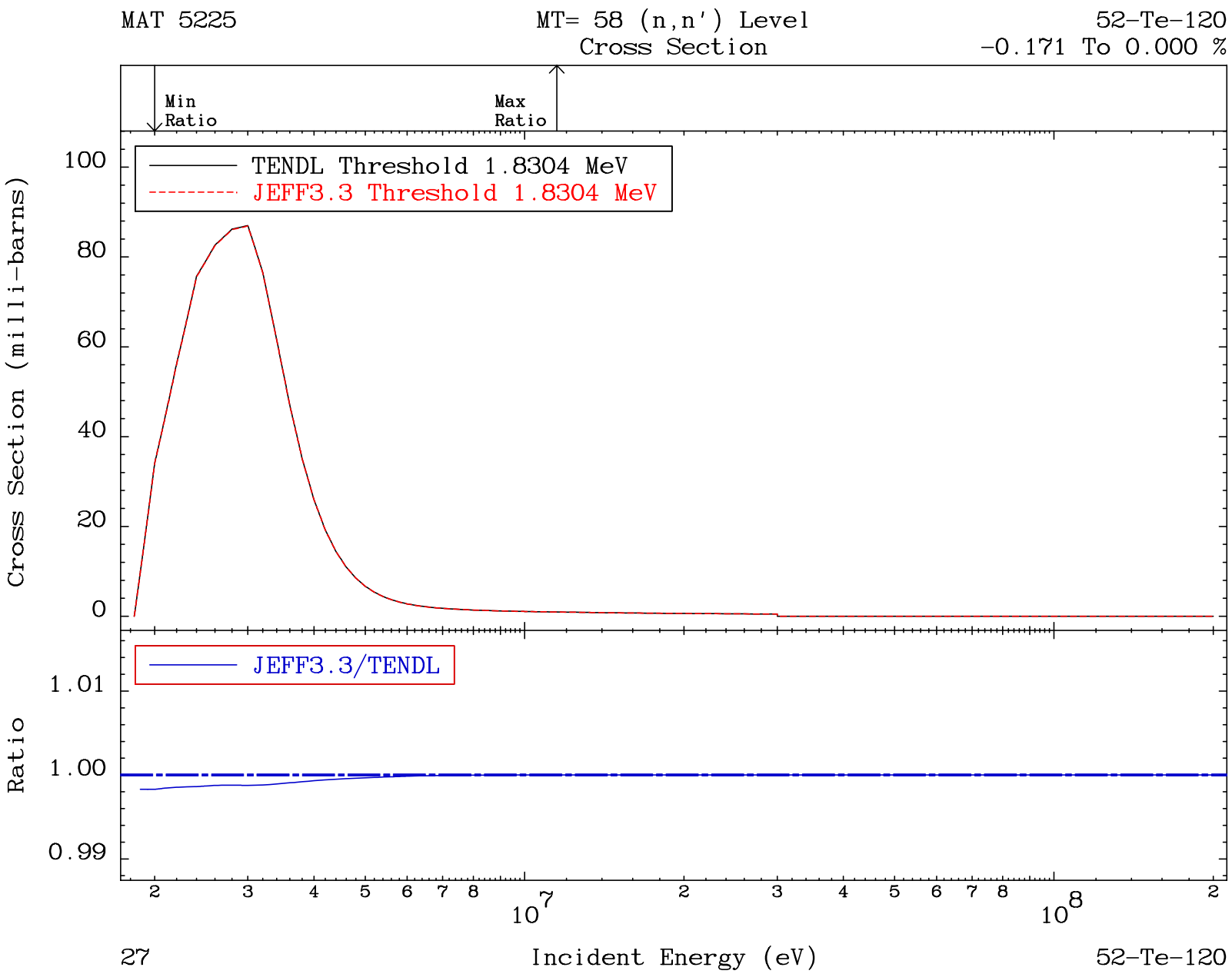

MAT 5225
MT= 53 (n,n') Level
Cross Section
52-Te-120
-0.390 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.1713 MeV
JEFF3.3 Threshold 1.1713 MeV
Cross Section (milli-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
22
Incident Energy (eV)
52-Te-120

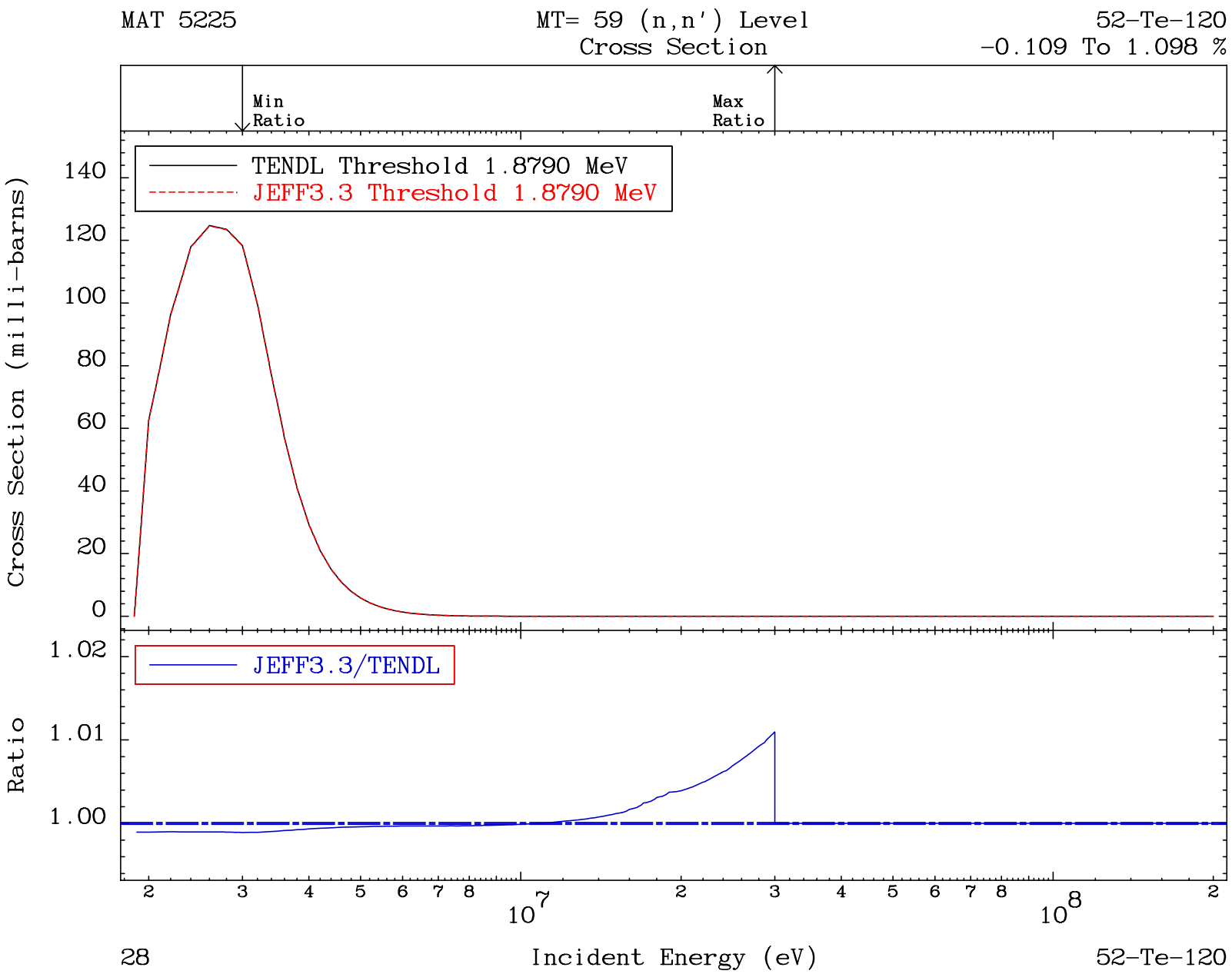

MAT 5225
MT= 54 (n,n') Level
Cross Section
52-Te-120
-0.088 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.2114 MeV
JEFF3.3 Threshold 1.2114 MeV
Cross Section (milli-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
23
Incident Energy (eV)
52-Te-120

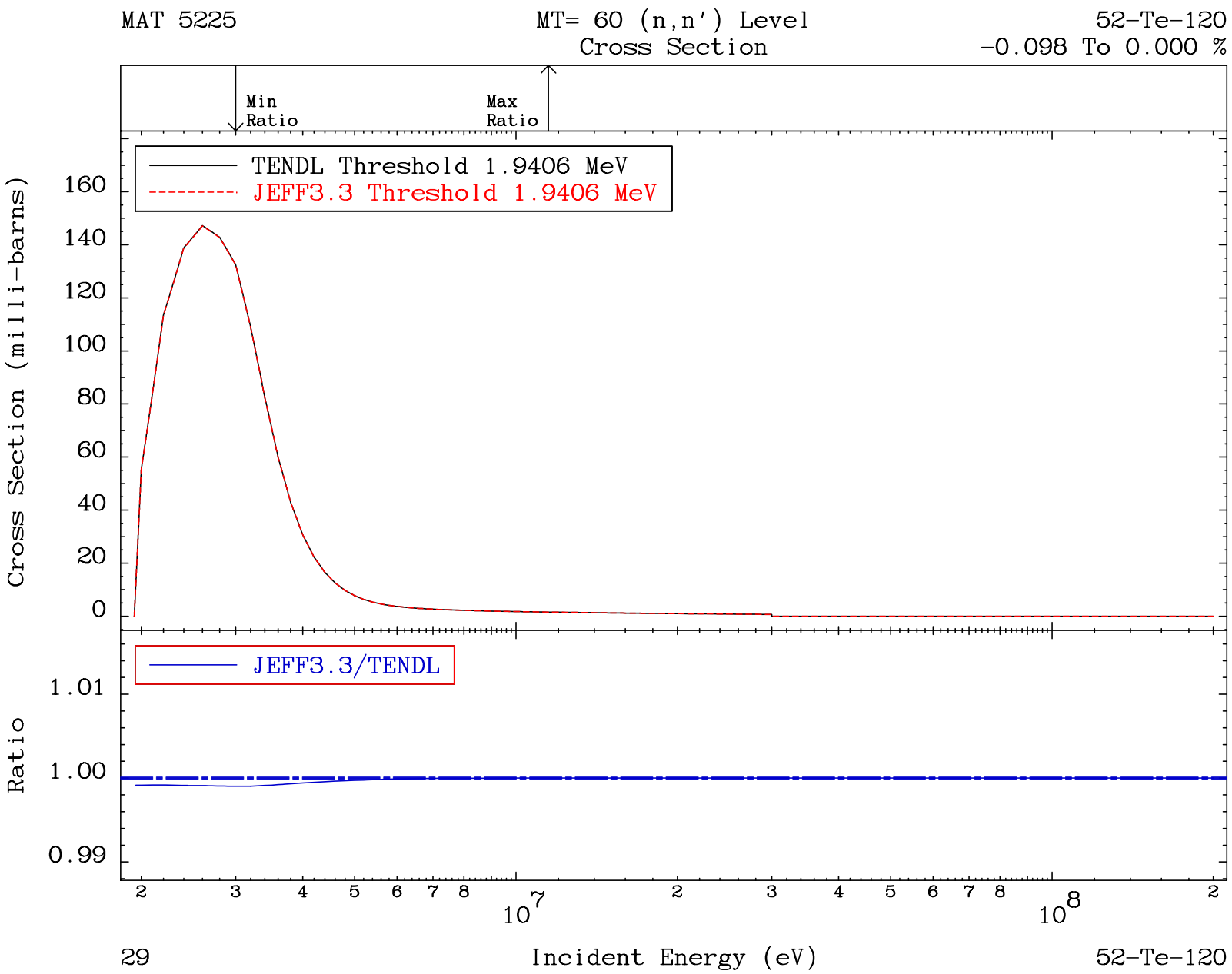

MAT 5225
MT= 55 (n,n') Level
Cross Section
52-Te-120
-0.099 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.5480 MeV
JEFF3.3 Threshold 1.5480 MeV
Cross Section (milli-barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
24
Incident Energy (eV)
52-Te-120

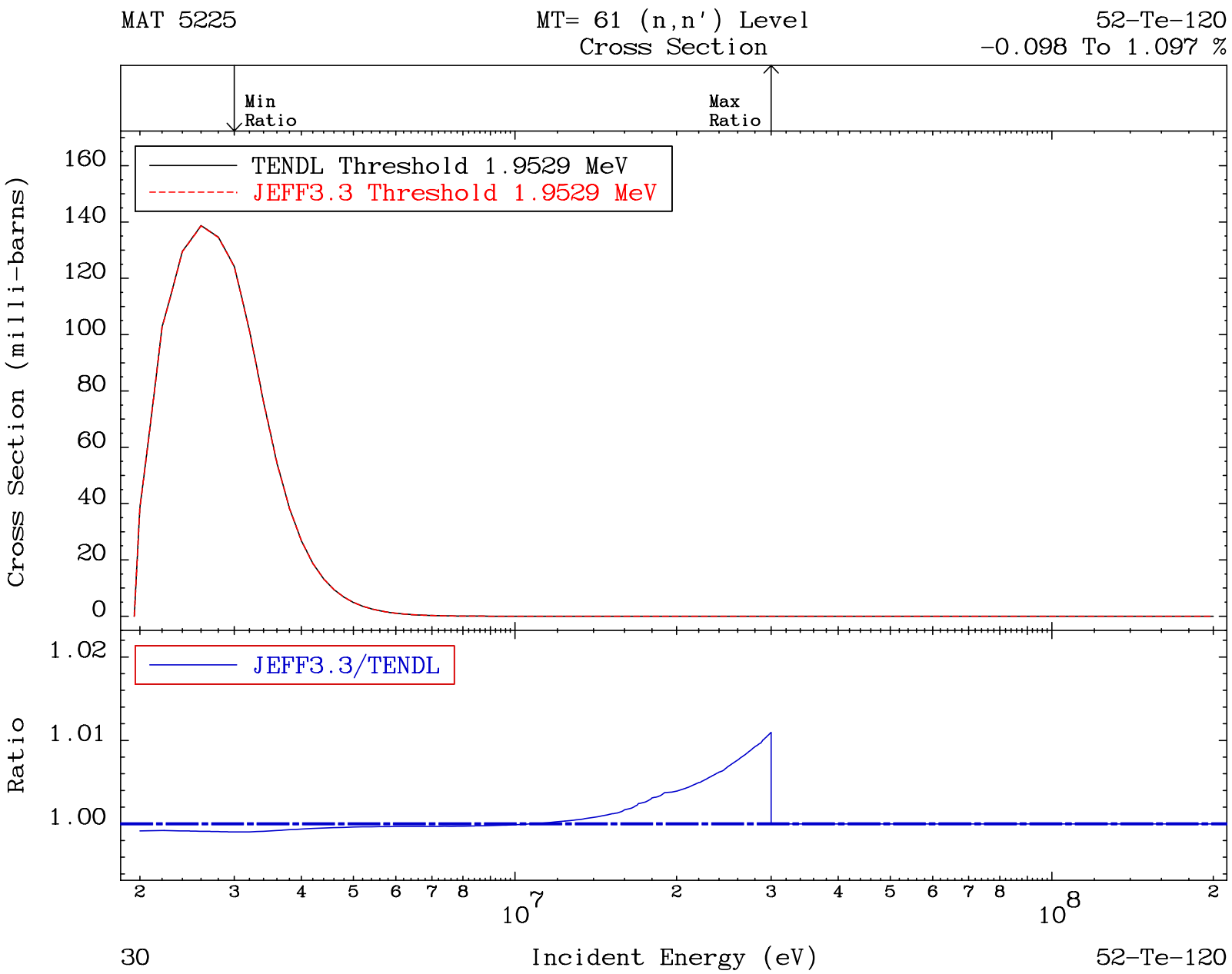

MAT 5225
MT= 56 (n,n') Level
Cross Section
52-Te-120
-0.090 To 1.098 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.6270 MeV
JEFF3.3 Threshold 1.6270 MeV
Cross Section (milli-barns)
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
25
Incident Energy (eV)
52-Te-120

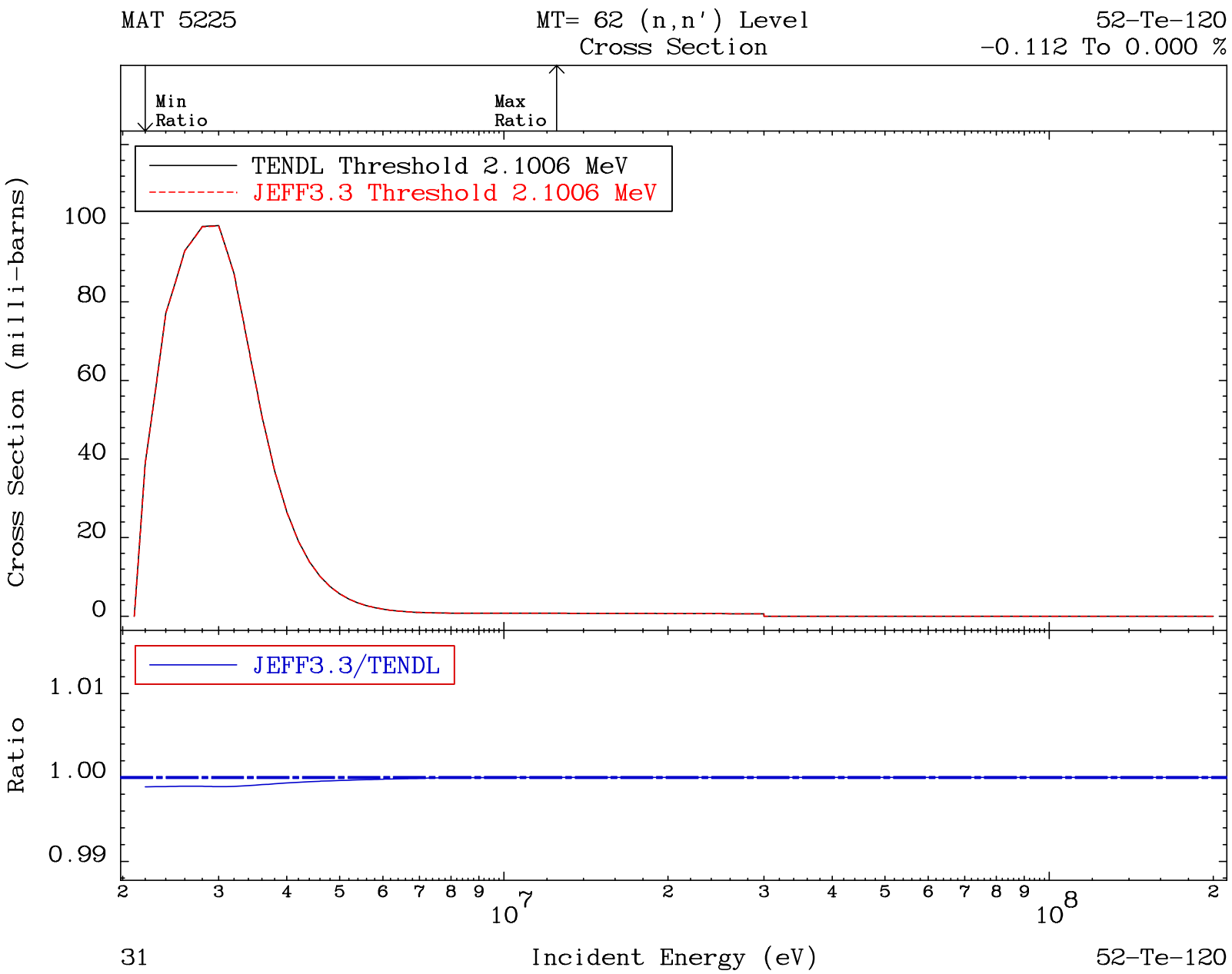

MAT 5225
MT= 57 (n,n') Level
Cross Section
52-Te-120
-0.691 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.7912 MeV
JEFF3.3 Threshold 1.7912 MeV
Cross Section (milli-barns)
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
26
Incident Energy (eV)
52-Te-120

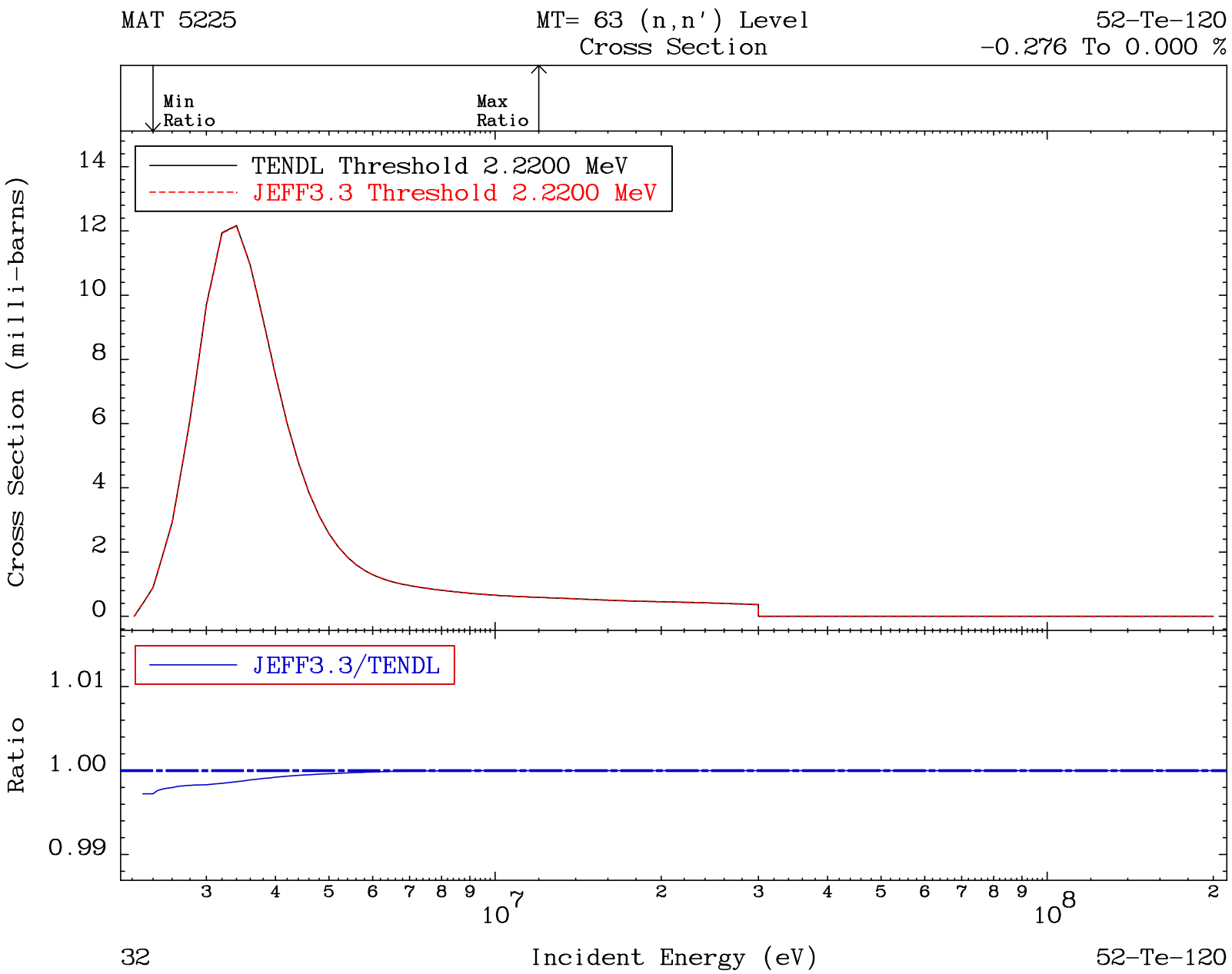

MAT 5225
MT= 58 (n,n') Level
Cross Section
52-Te-120
-0.171 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 1.8304 MeV
JEFF3.3 Threshold 1.8304 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
27
Incident Energy (eV)
52-Te-120

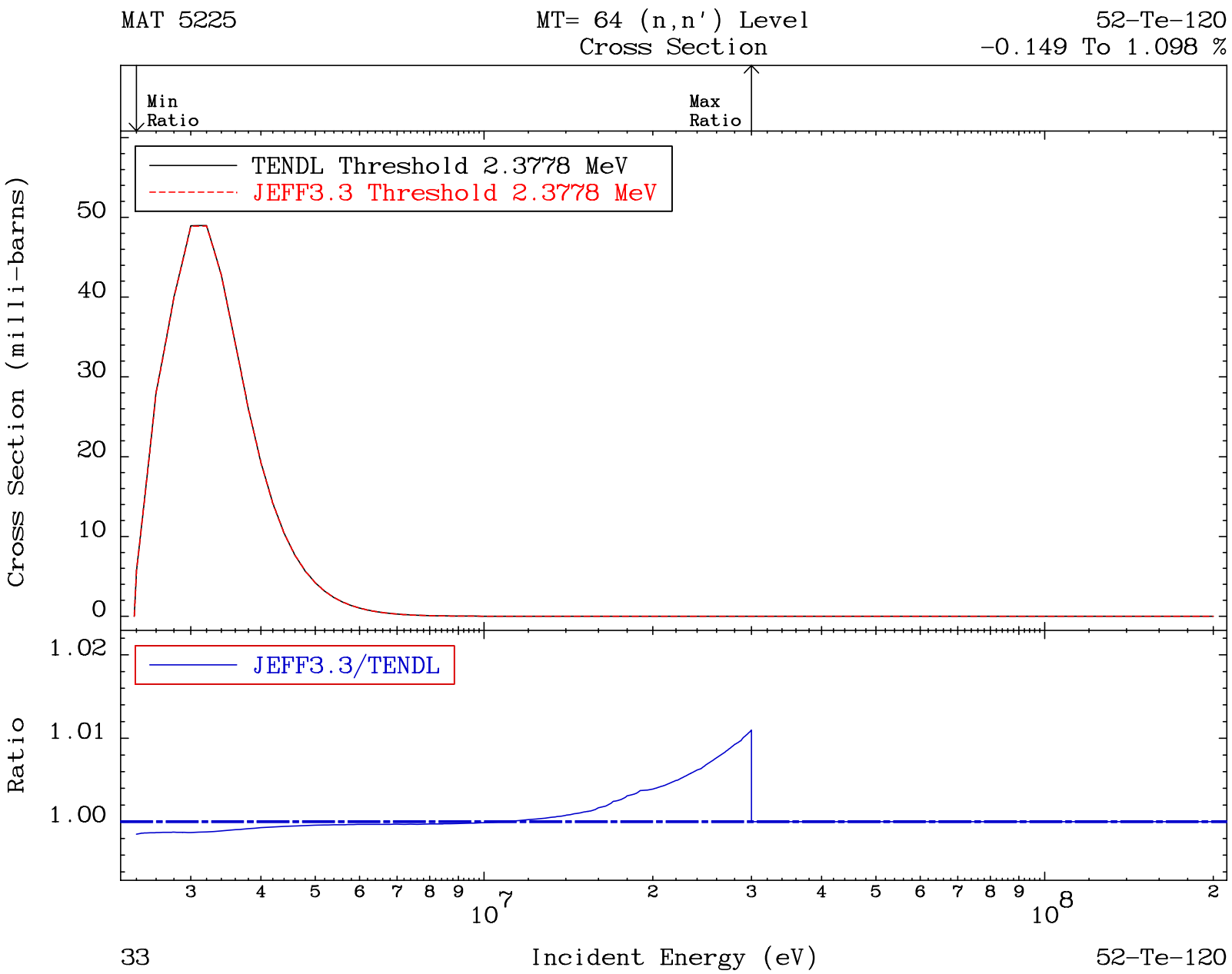

MAT 5225
MT= 59 (n,n') Level
Cross Section
52-Te-120
-0.109 To 1.098 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.8790 MeV
JEFF3.3 Threshold 1.8790 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
28
Incident Energy (eV)
52-Te-120

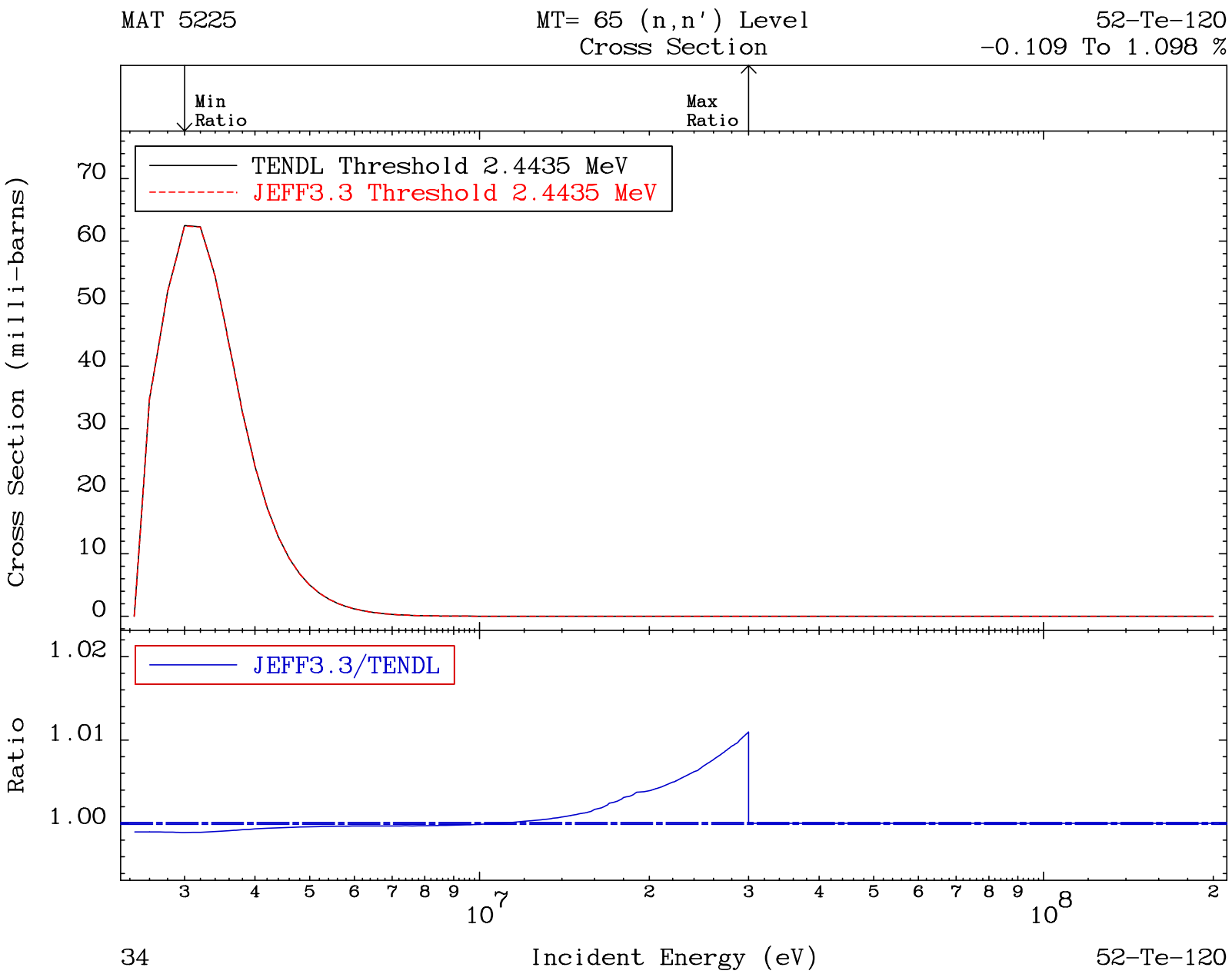

MAT 5225
MT= 60 (n,n') Level
Cross Section
52-Te-120
-0.098 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.9406 MeV
JEFF3.3 Threshold 1.9406 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
29
Incident Energy (eV)
52-Te-120

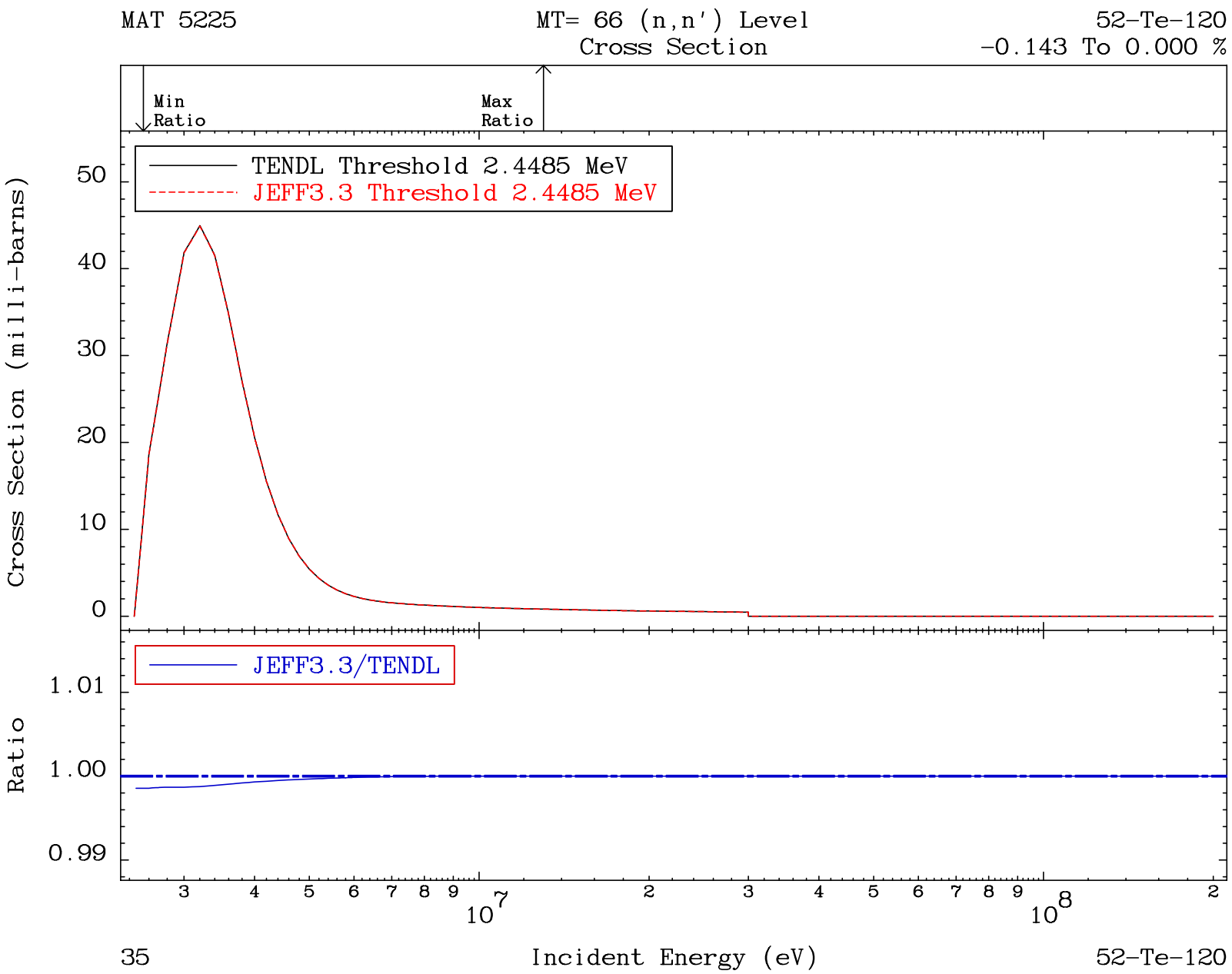

MAT 5225
MT= 61 (n,n') Level
Cross Section
52-Te-120
-0.098 To 1.097 %
Min
Ratio
Max
Ratio
TENDL Threshold 1.9529 MeV
JEFF3.3 Threshold 1.9529 MeV
Cross Section (milli-barns)
160
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
30
Incident Energy (eV)
52-Te-120

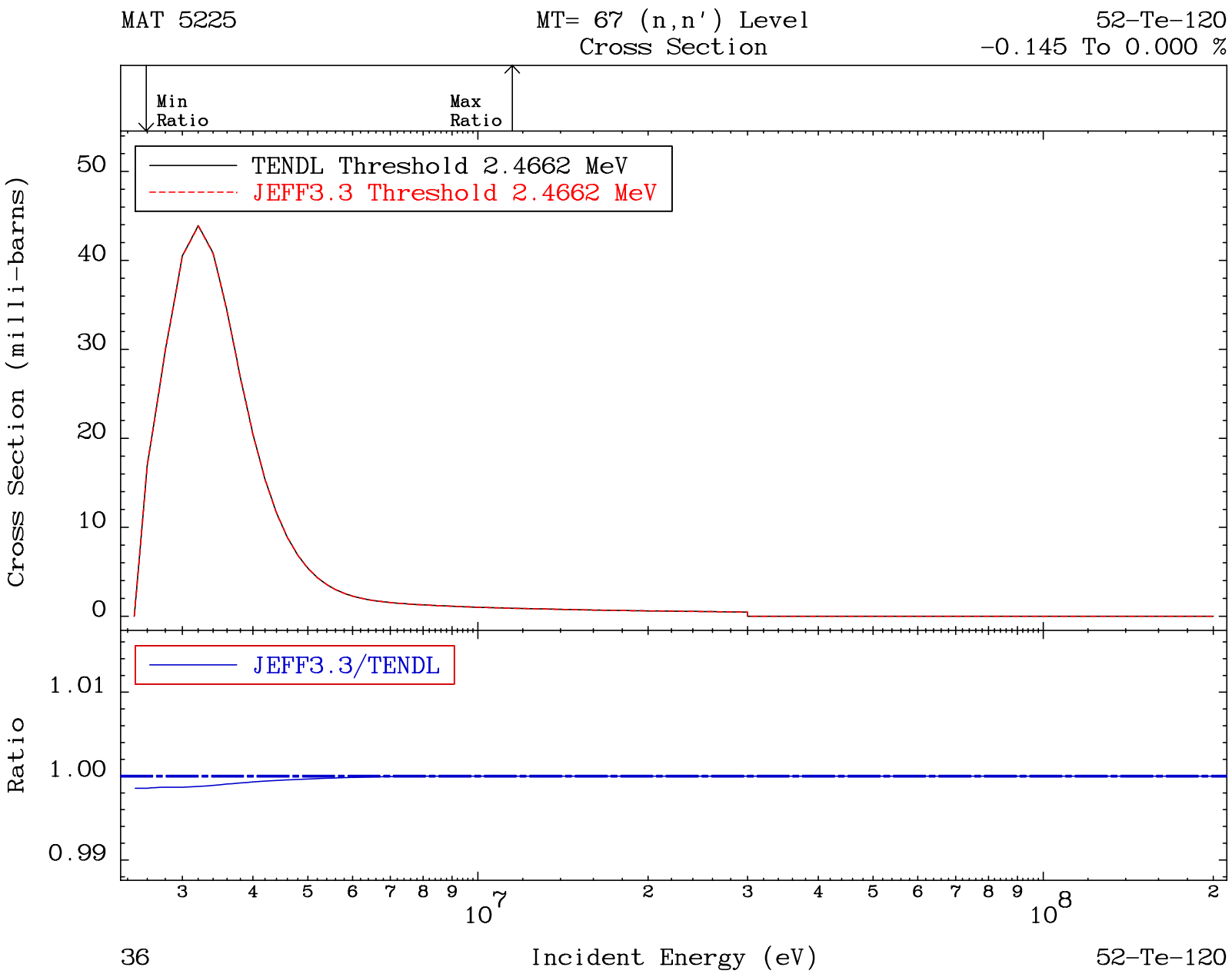

MAT 5225
MT= 62 (n,n') Level
Cross Section
52-Te-120
-0.112 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.1006 MeV
JEFF3.3 Threshold 2.1006 MeV
Cross Section (milli-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
31
Incident Energy (eV)
52-Te-120

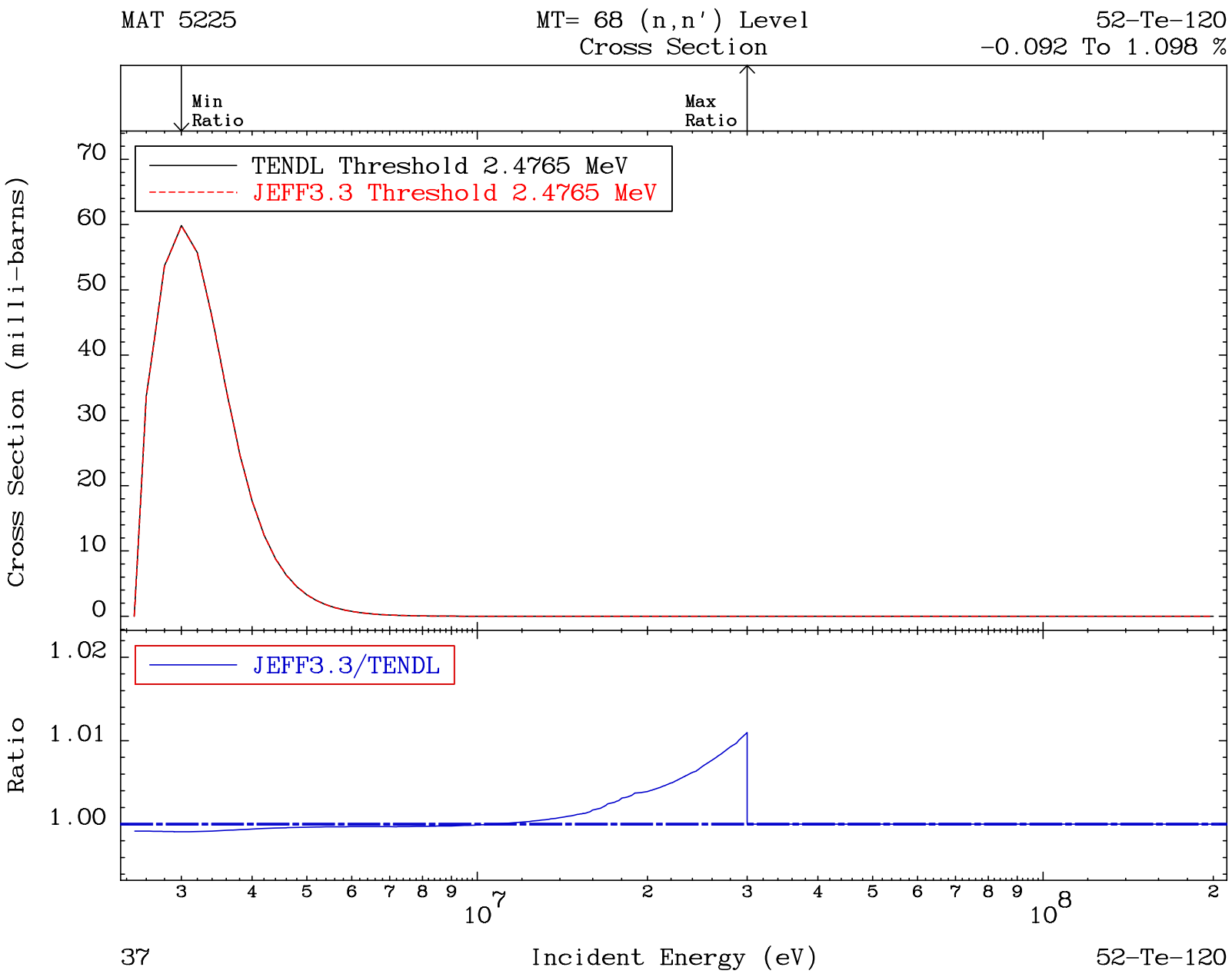

MAT 5225
MT= 63 (n,n') Level
Cross Section
52-Te-120
-0.276 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.2200 MeV
JEFF3.3 Threshold 2.2200 MeV
Cross Section (milli-barns)
14
12
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
32
Incident Energy (eV)
52-Te-120

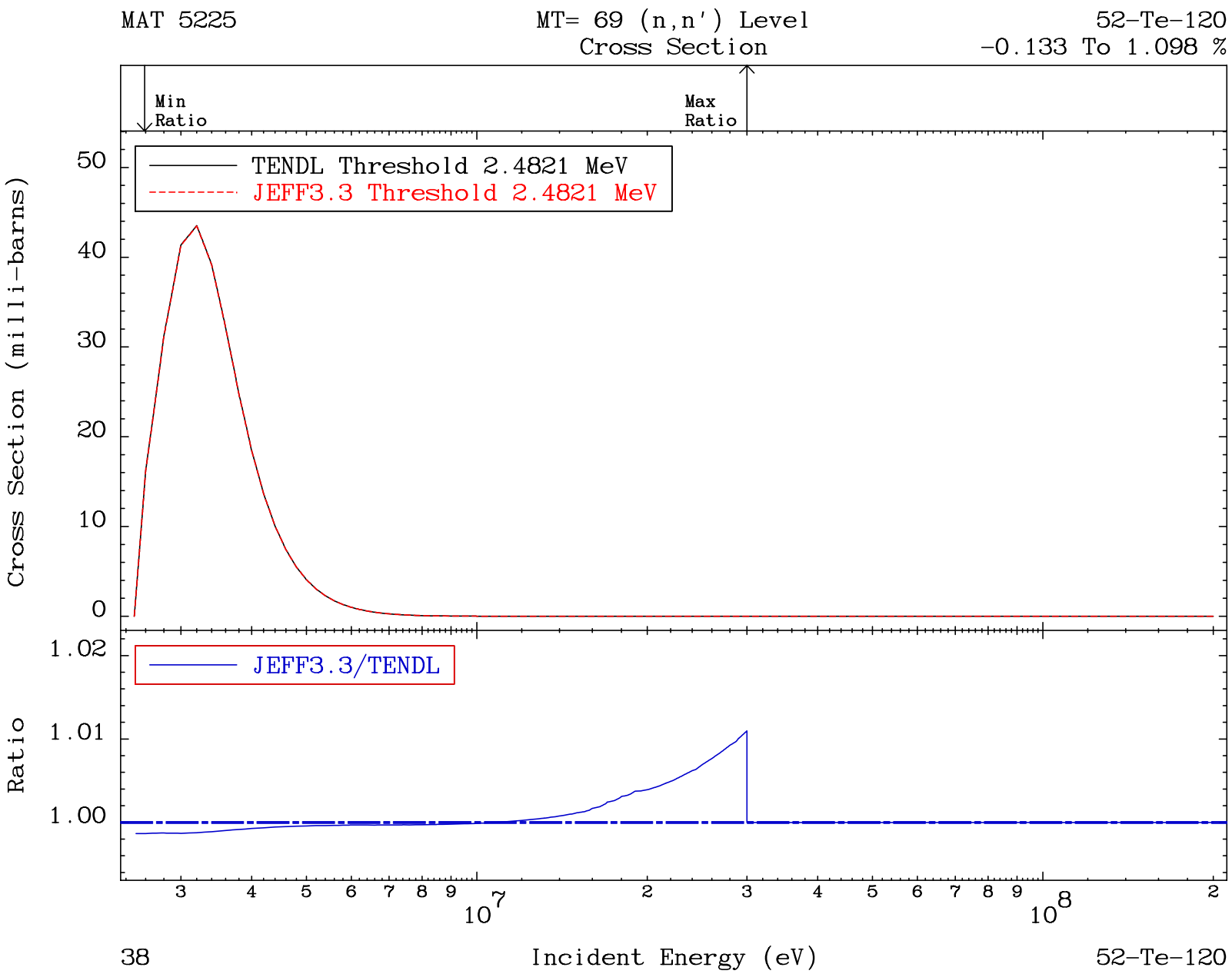

MAT 5225
MT= 64 (n,n') Level
Cross Section
52-Te-120
-0.149 To 1.098 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.3778 MeV
JEFF3.3 Threshold 2.3778 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
33
Incident Energy (eV)
52-Te-120

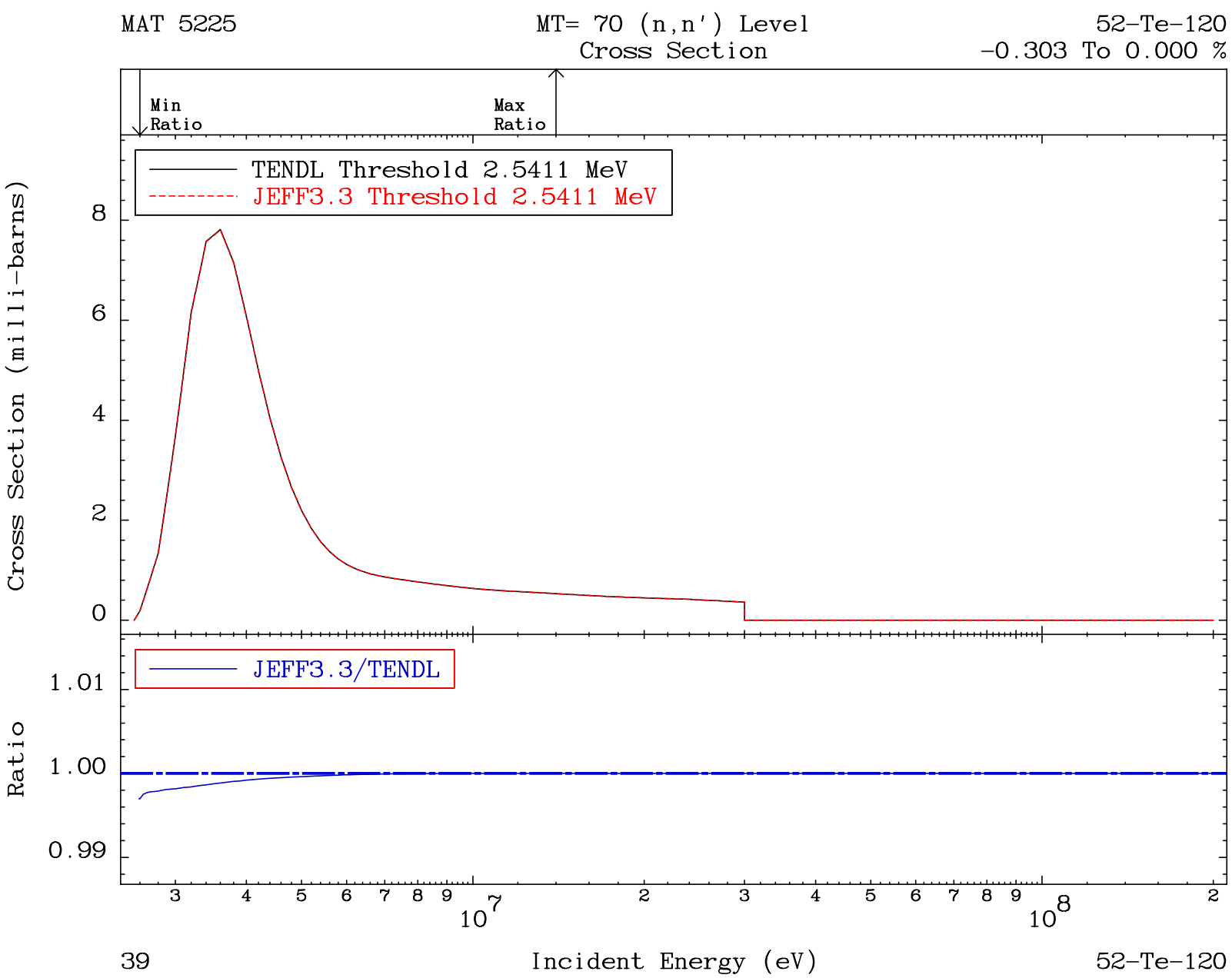

MAT 5225
MT= 65 (n,n') Level
Cross Section
52-Te-120
-0.109 To 1.098 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.4435 MeV
JEFF3.3 Threshold 2.4435 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
34
Incident Energy (eV)
52-Te-120

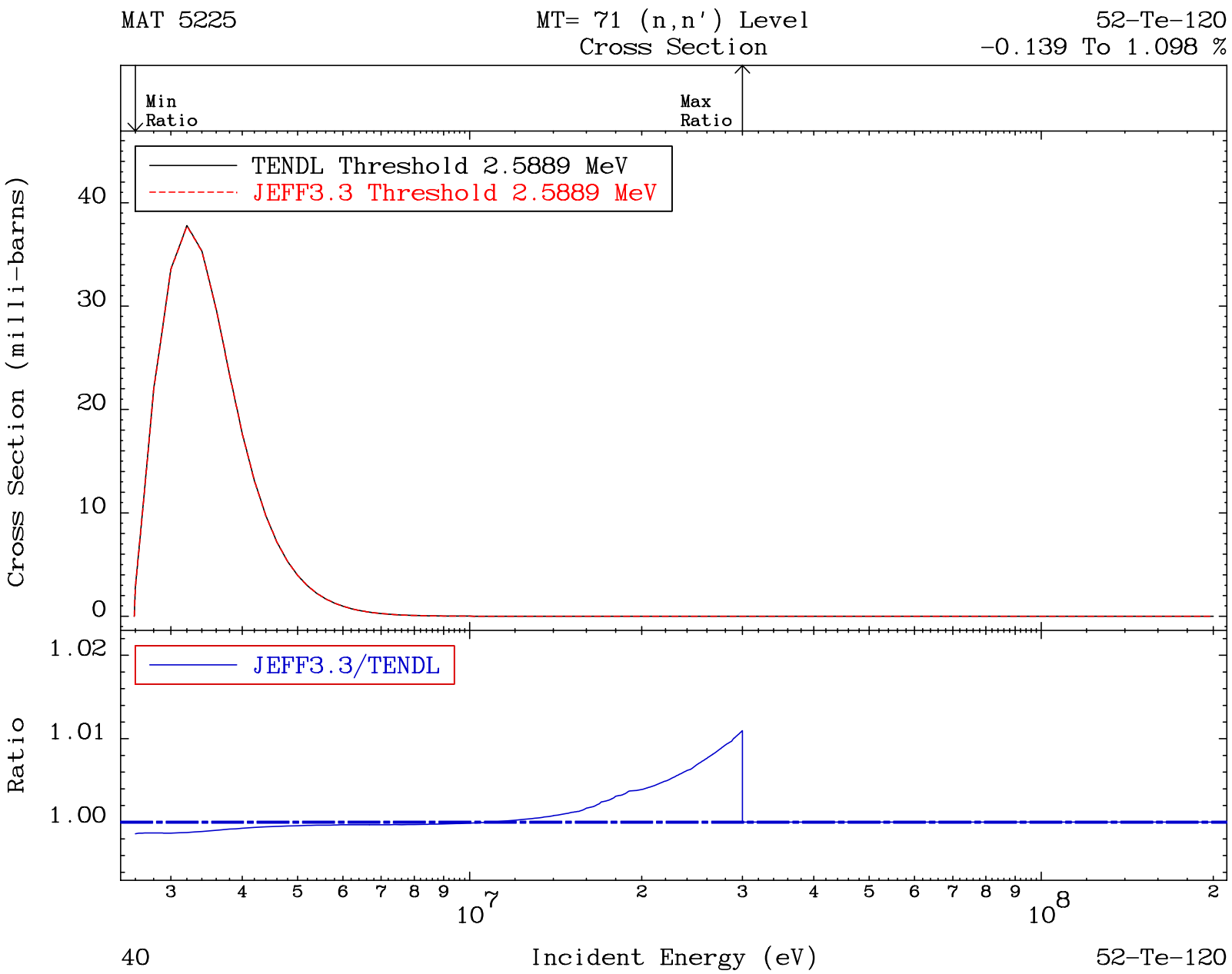

MAT 5225
MT= 66 (n,n') Level
Cross Section
52-Te-120
-0.143 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.4485 MeV
JEFF3.3 Threshold 2.4485 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
35
Incident Energy (eV)
52-Te-120

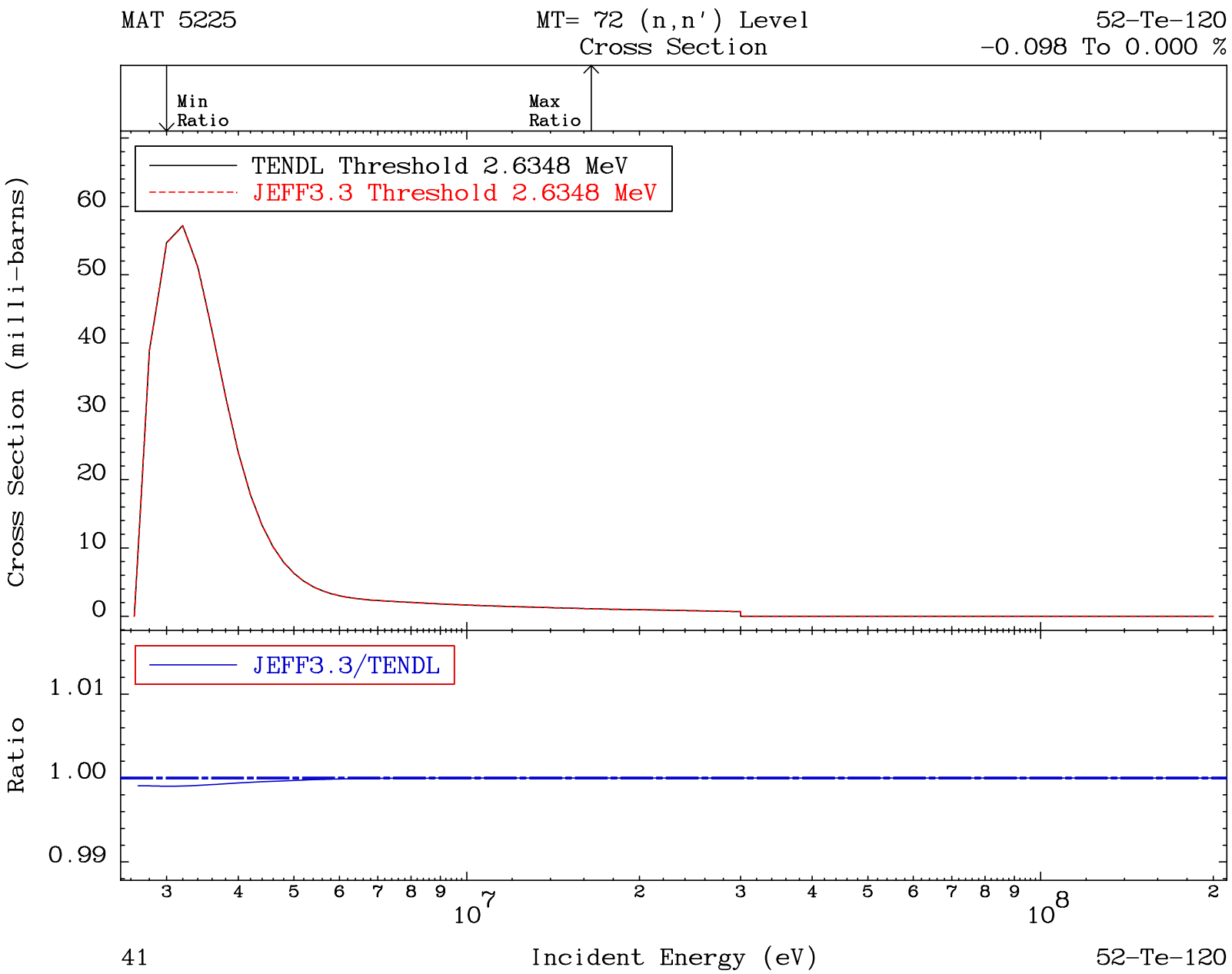

MAT 5225
MT= 67 (n,n') Level
Cross Section
52-Te-120
-0.145 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.4662 MeV
JEFF3.3 Threshold 2.4662 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
36
Incident Energy (eV)
52-Te-120

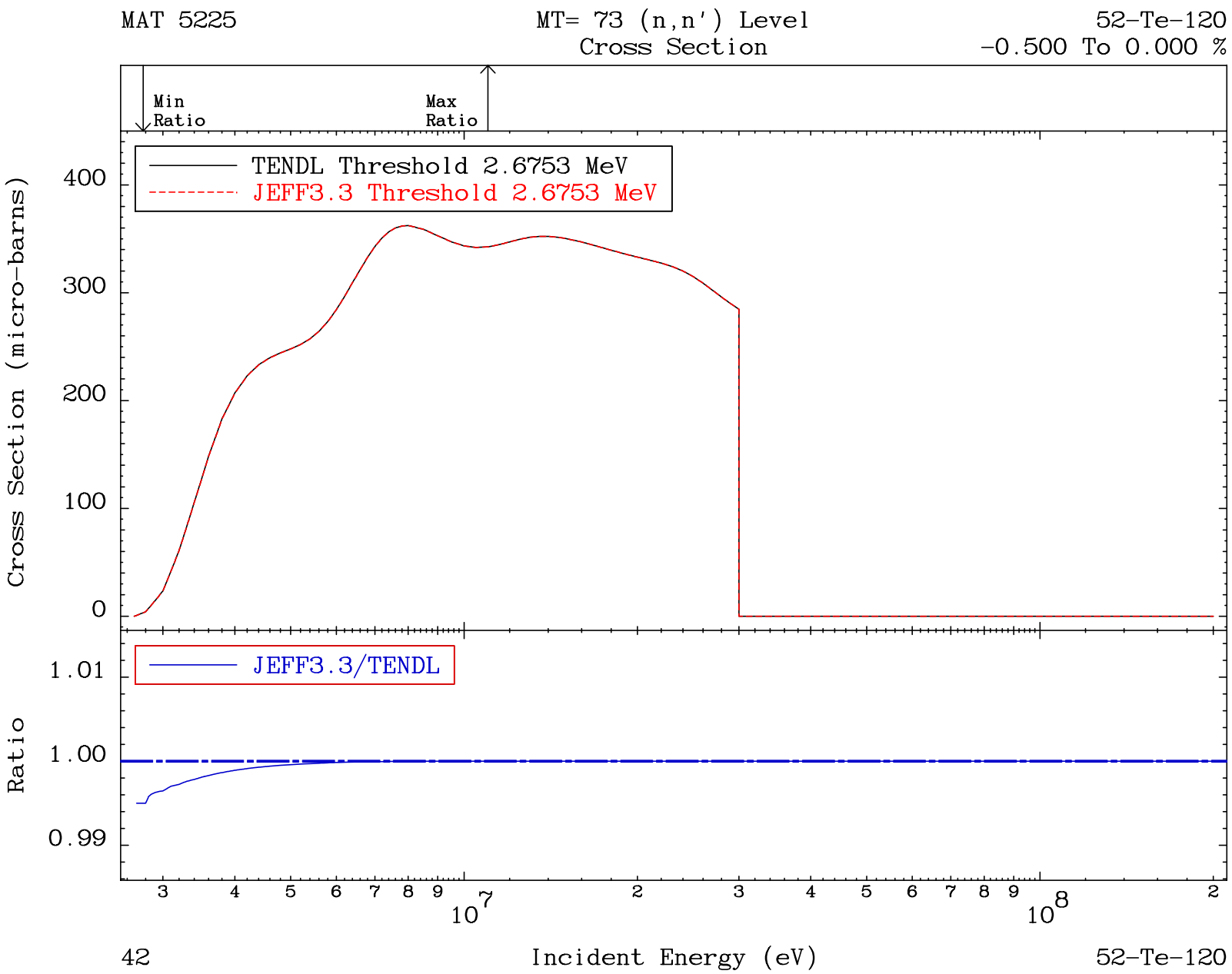

MAT 5225
MT= 68 (n,n') Level
Cross Section
52-Te-120
-0.092 To 1.098 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.4765 MeV
JEFF3.3 Threshold 2.4765 MeV
Cross Section (milli-barns)
70
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
37
Incident Energy (eV)
52-Te-120

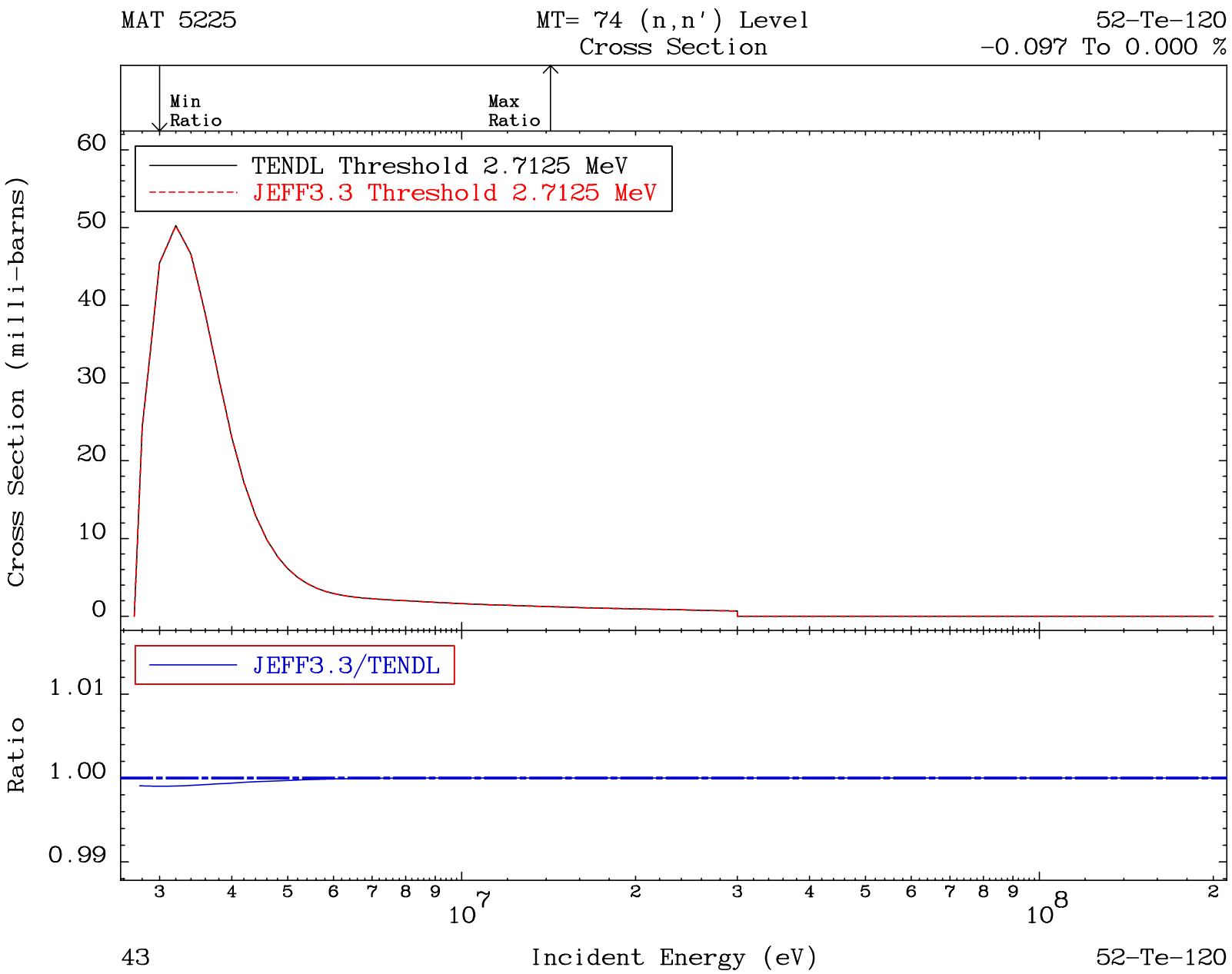

MAT 5225
MT= 69 (n,n') Level
Cross Section
52-Te-120
-0.133 To 1.098 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.4821 MeV
JEFF3.3 Threshold 2.4821 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
38
Incident Energy (eV)
52-Te-120

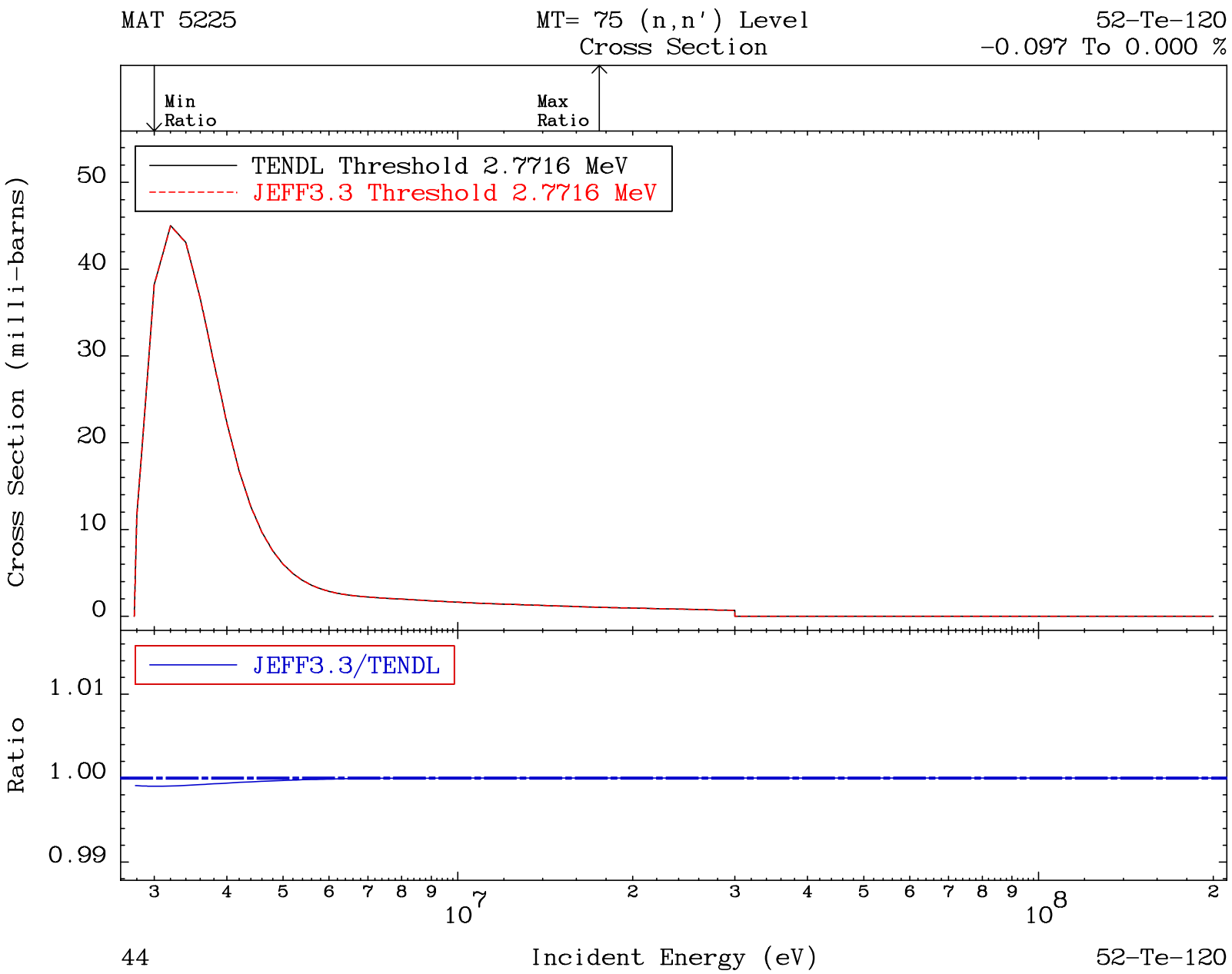

MAT 5225
MT= 70 (n,n') Level
Cross Section
52-Te-120
-0.303 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.5411 MeV
JEFF3.3 Threshold 2.5411 MeV
Cross Section (milli-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
0.99
1.00
1.01
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
39
Incident Energy (eV)
52-Te-120

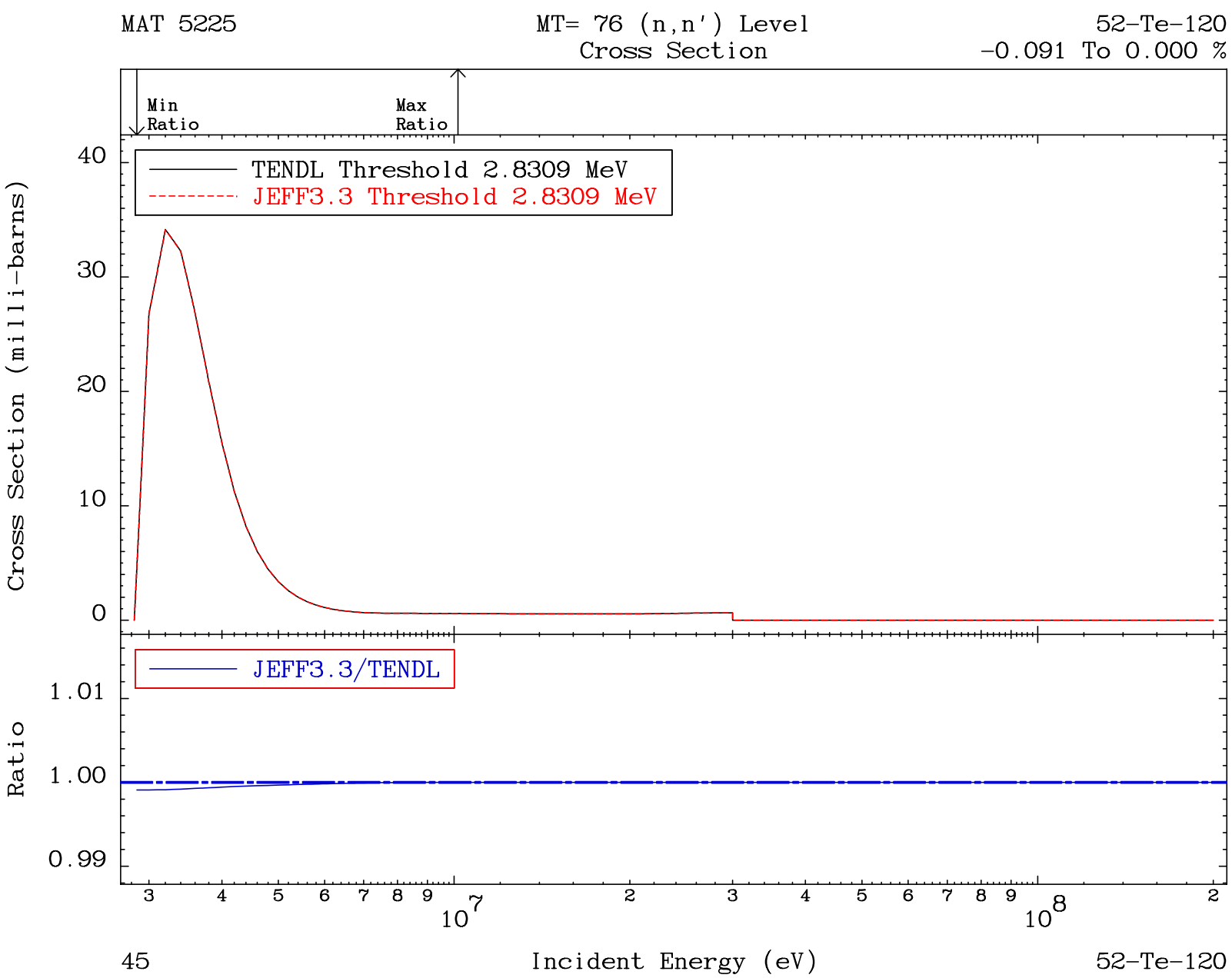

MAT 5225
MT= 71 (n,n') Level
Cross Section
52-Te-120
-0.139 To 1.098 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.5889 MeV
JEFF3.3 Threshold 2.5889 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
40
Incident Energy (eV)
52-Te-120

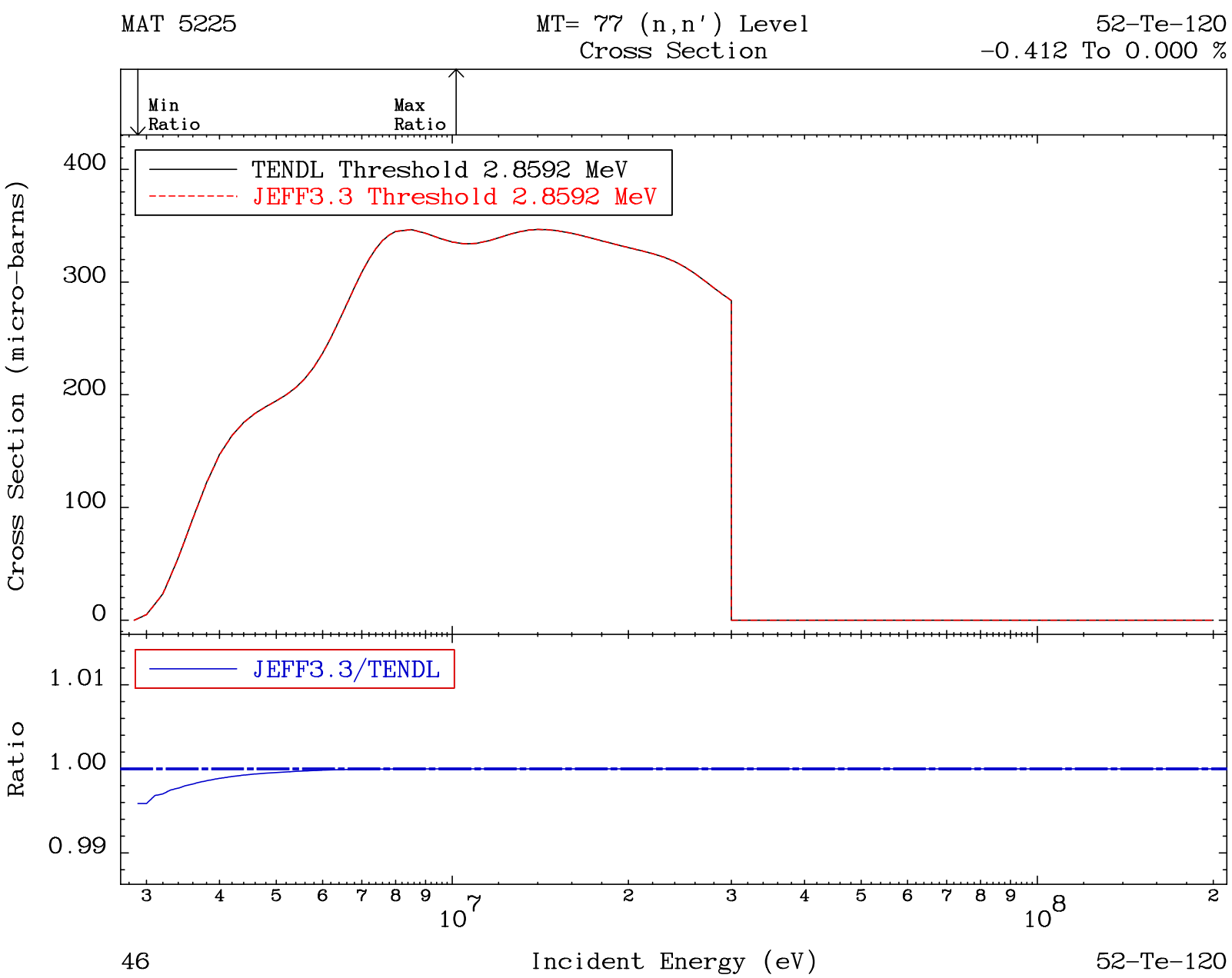

MAT 5225
MT= 72 (n,n') Level
Cross Section
52-Te-120
-0.098 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.6348 MeV
JEFF3.3 Threshold 2.6348 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
41
Incident Energy (eV)
52-Te-120

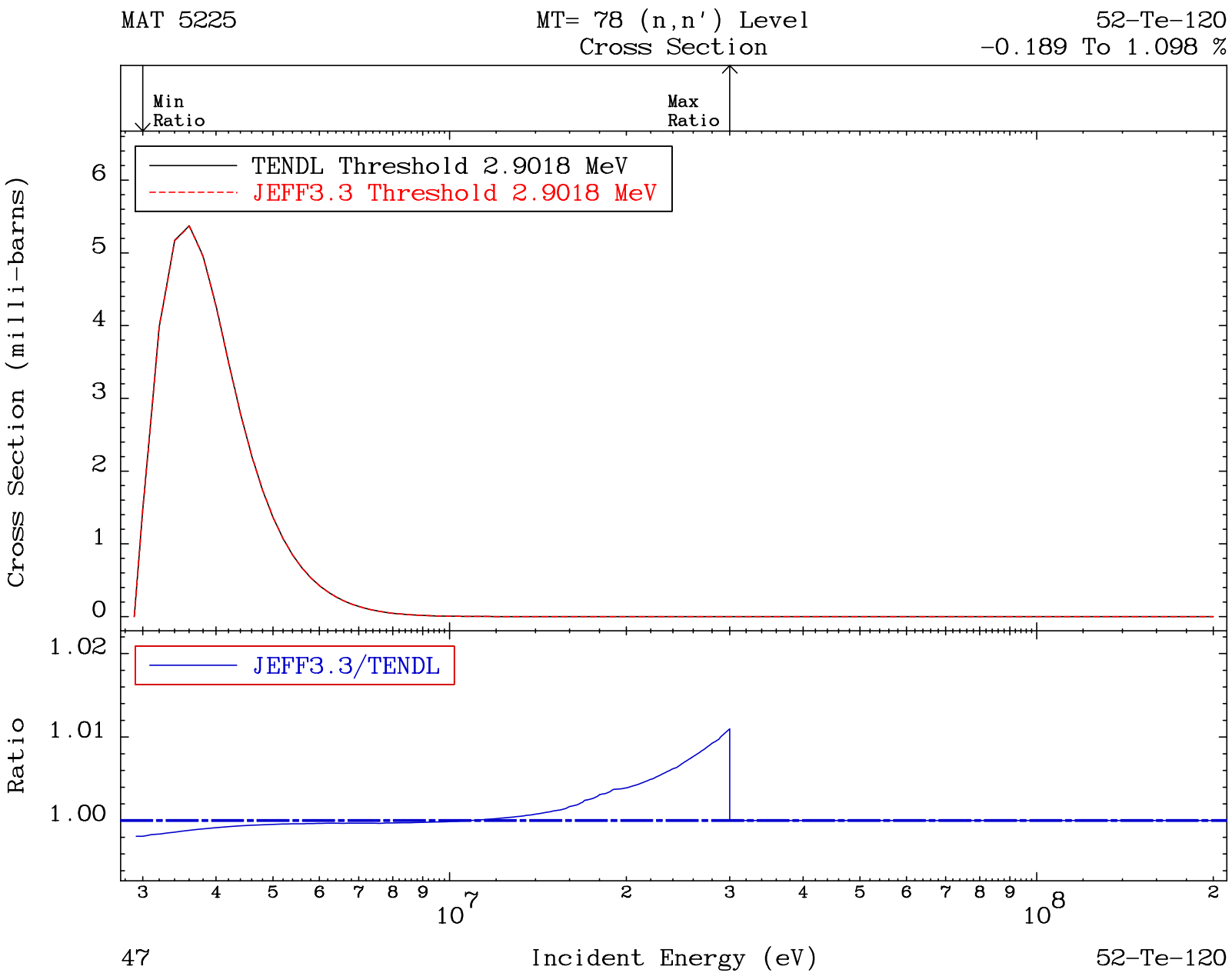

MAT 5225
MT= 73 (n,n') Level
Cross Section
52-Te-120
-0.500 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.6753 MeV
JEFF3.3 Threshold 2.6753 MeV
Cross Section (micro-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
42
Incident Energy (eV)
52-Te-120

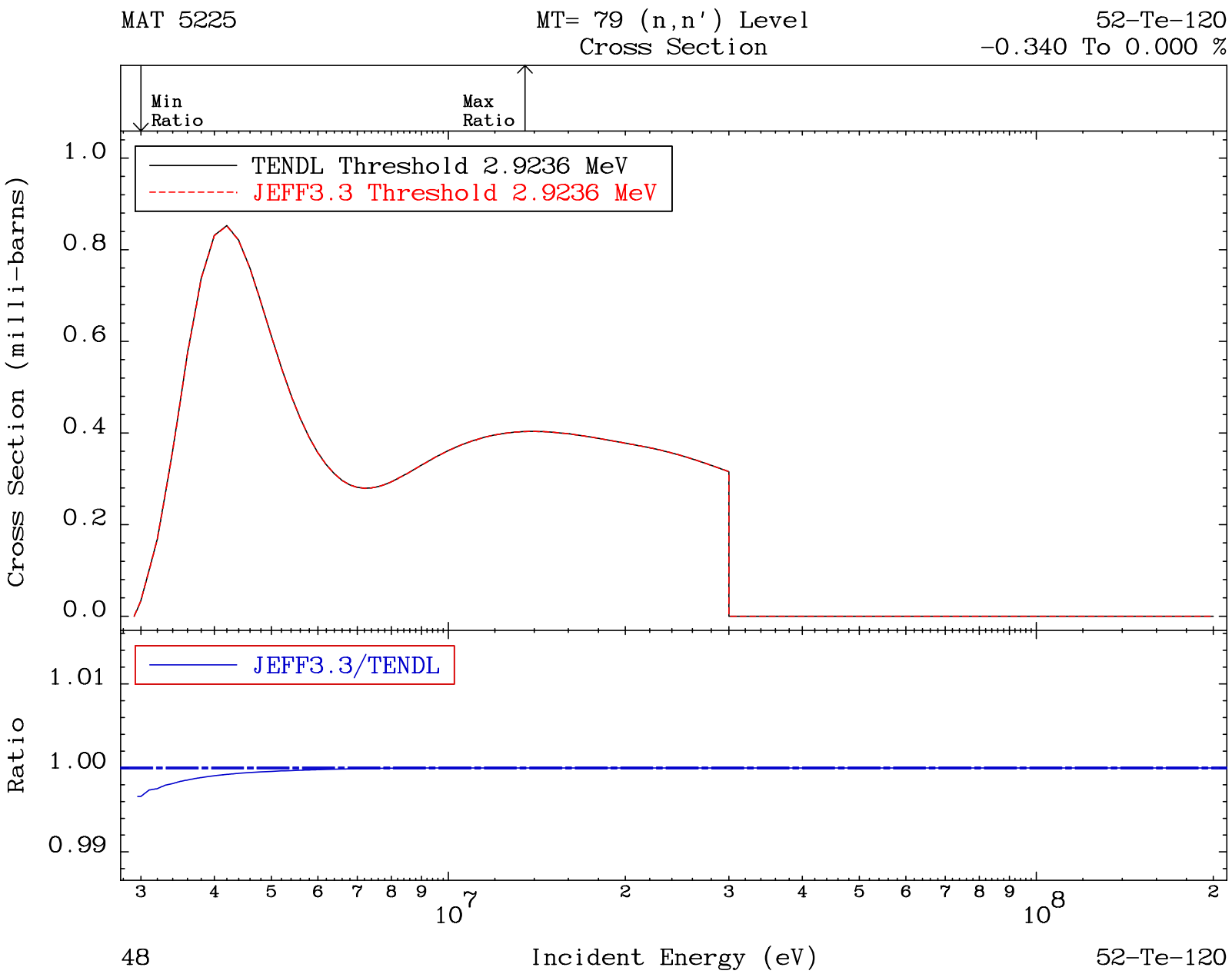

MAT 5225
MT= 74 (n,n') Level
Cross Section
52-Te-120
-0.097 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.7125 MeV
JEFF3.3 Threshold 2.7125 MeV
Cross Section (milli-barns)
60
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
43
Incident Energy (eV)
52-Te-120

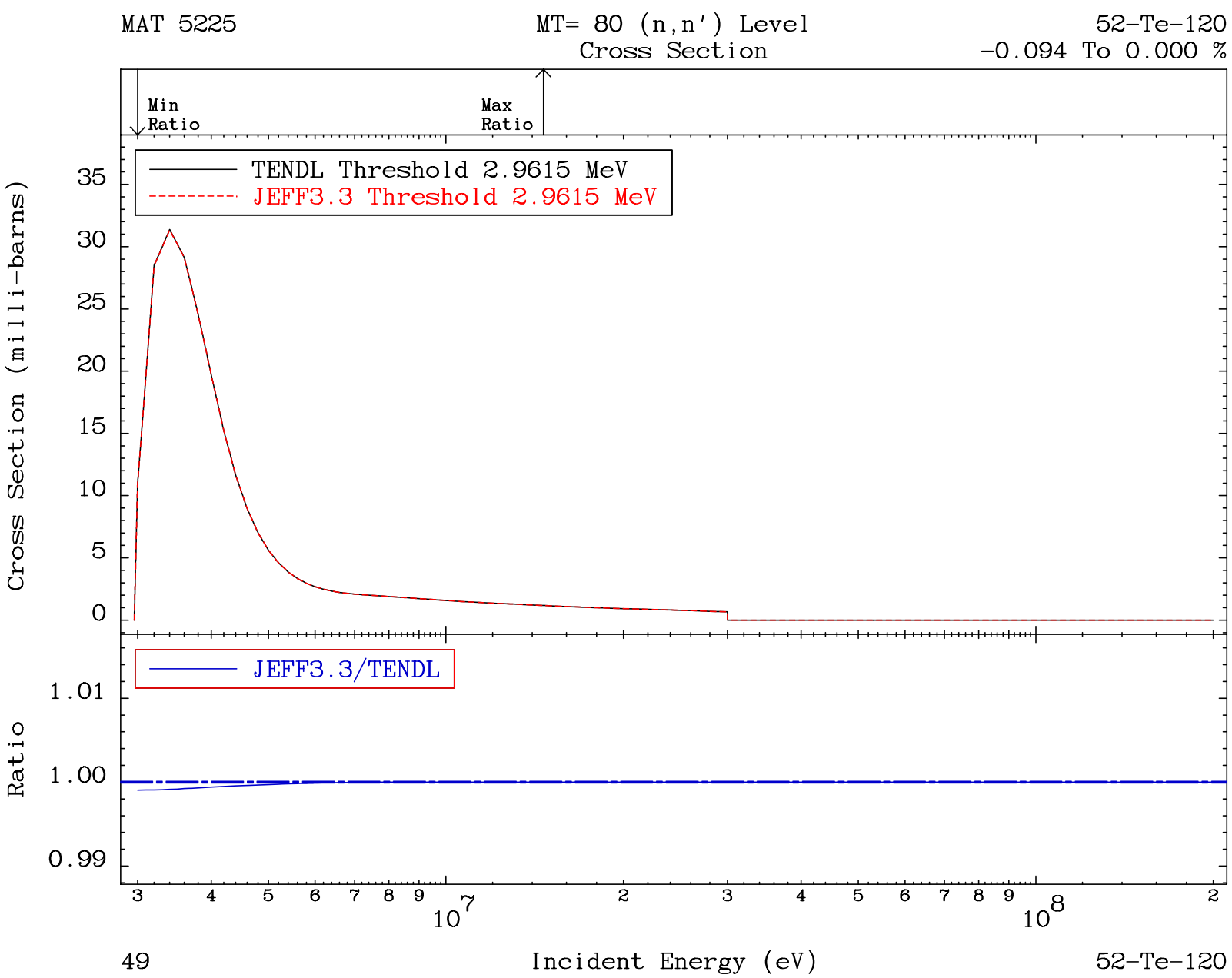

MAT 5225
MT= 75 (n,n') Level
Cross Section
52-Te-120
-0.097 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.7716 MeV
JEFF3.3 Threshold 2.7716 MeV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
44
Incident Energy (eV)
52-Te-120

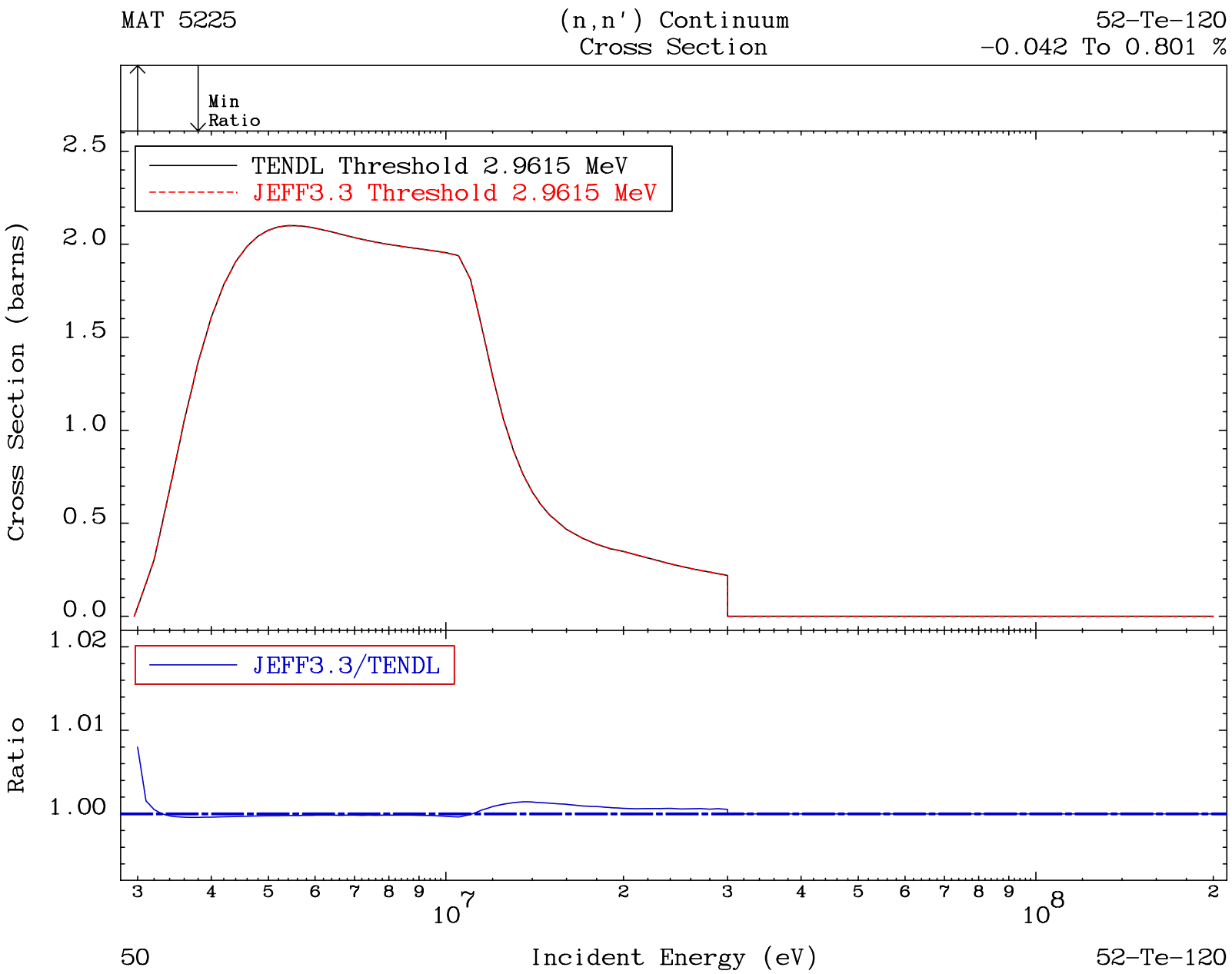

MAT 5225
MT= 76 (n,n') Level
Cross Section
52-Te-120
-0.091 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.8309 MeV
JEFF3.3 Threshold 2.8309 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
45
Incident Energy (eV)
52-Te-120

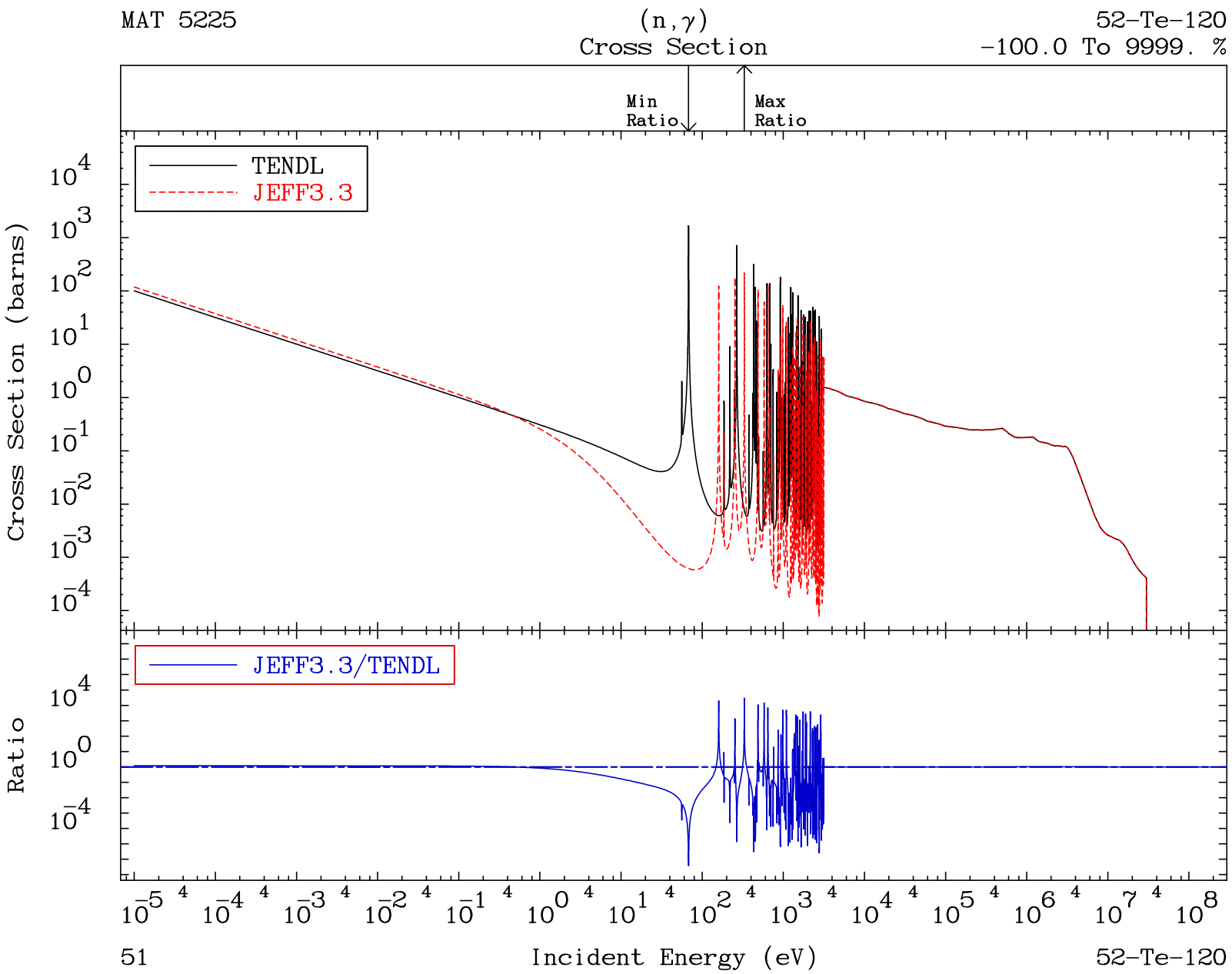

MAT 5225
MT= 77 (n,n') Level
Cross Section
52-Te-120
-0.412 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 2.8592 MeV
JEFF3.3 Threshold 2.8592 MeV
Cross Section (micro-barns)
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
46
Incident Energy (eV)
52-Te-120

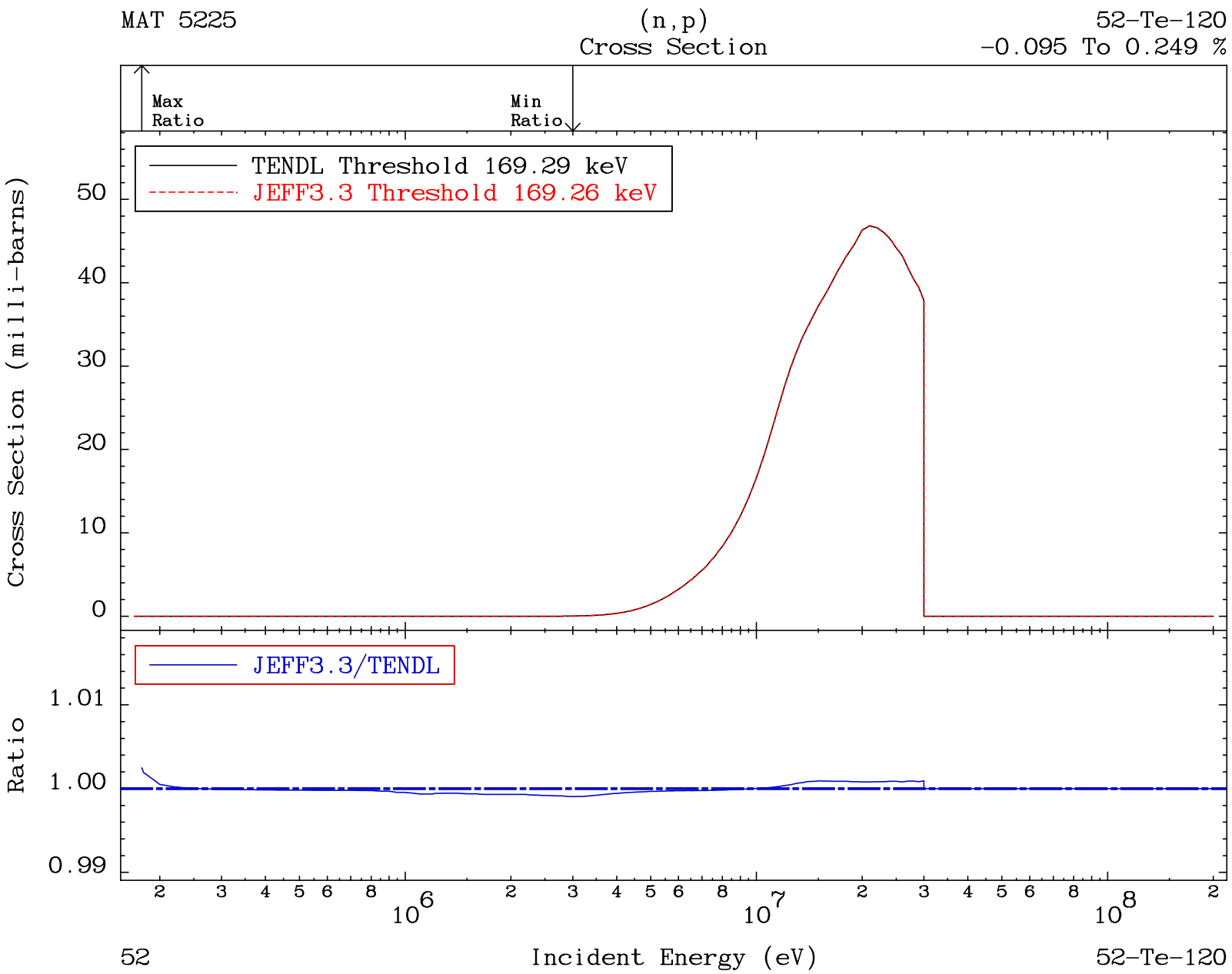

MAT 5225
MT= 78 (n,n') Level
Cross Section
52-Te-120
-0.189 To 1.098 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.9018 MeV
JEFF3.3 Threshold 2.9018 MeV
Cross Section (milli-barns)
0
1
2
3
4
5
6
JEFF3.3/TENDL
Ratio
1.00
1.01
1.02
3
4
5
6
7
8
9
10^7
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
52-Te-120

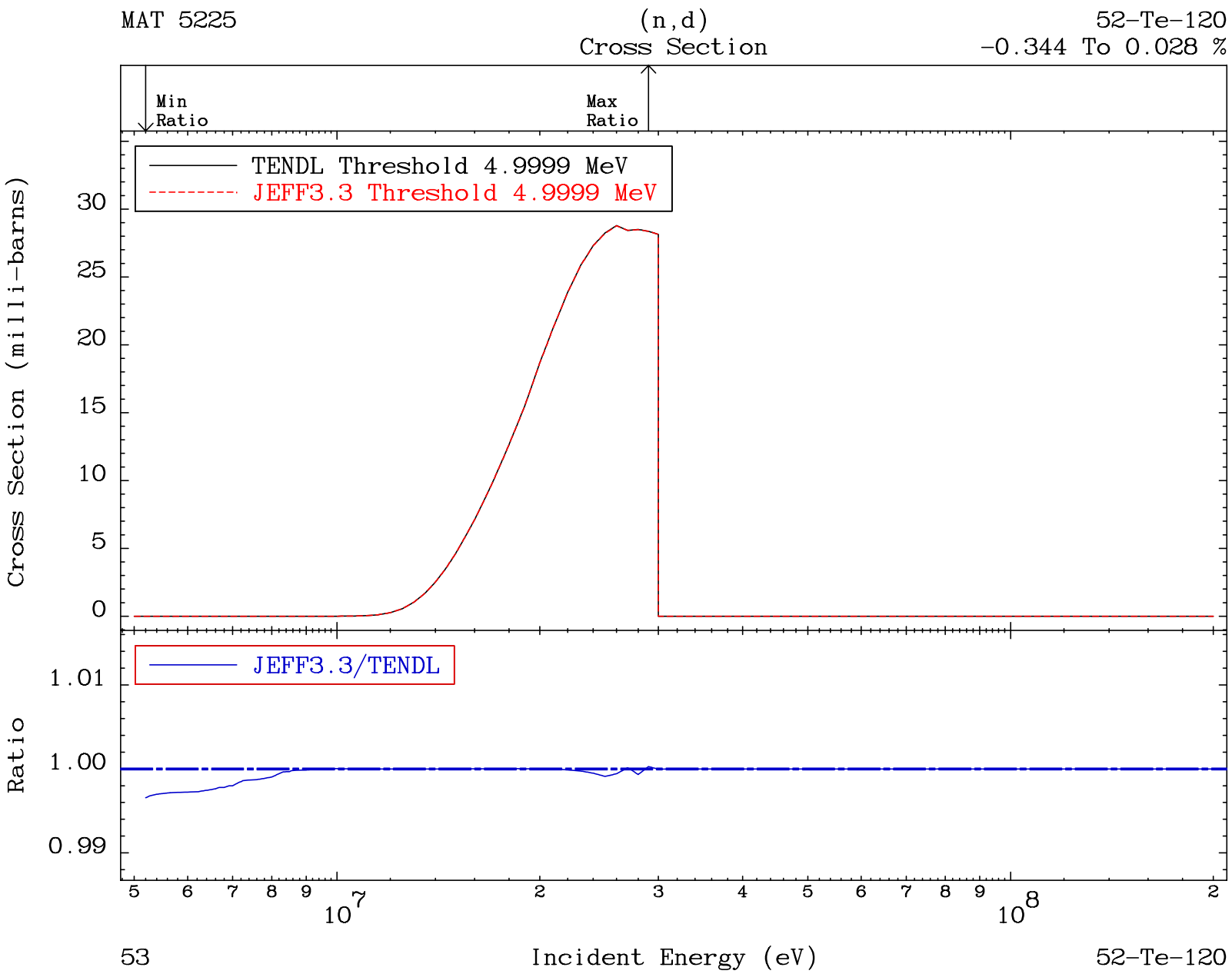

MAT 5225
MT= 79 (n,n') Level
Cross Section
52-Te-120
-0.340 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.9236 MeV
JEFF3.3 Threshold 2.9236 MeV
Cross Section (milli-barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
48
Incident Energy (eV)
52-Te-120

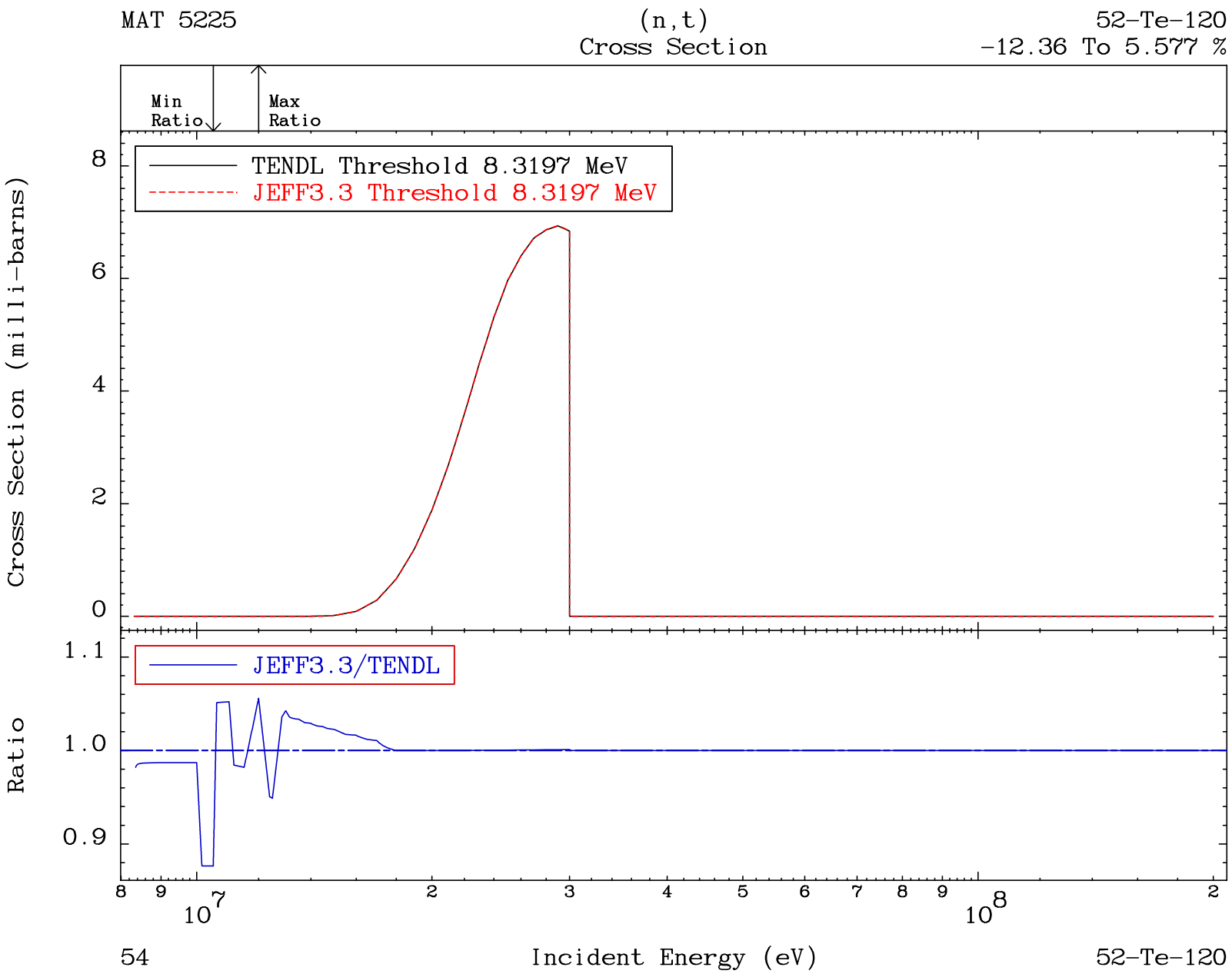

MAT 5225
MT= 80 (n,n') Level
Cross Section
52-Te-120
-0.094 To 0.000 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.9615 MeV
JEFF3.3 Threshold 2.9615 MeV
Cross Section (milli-barns)
35
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
3 4 5 6 7 8 9
10^7
2 3 4 5 6 7 8 9
10^8
2
49
Incident Energy (eV)
52-Te-120

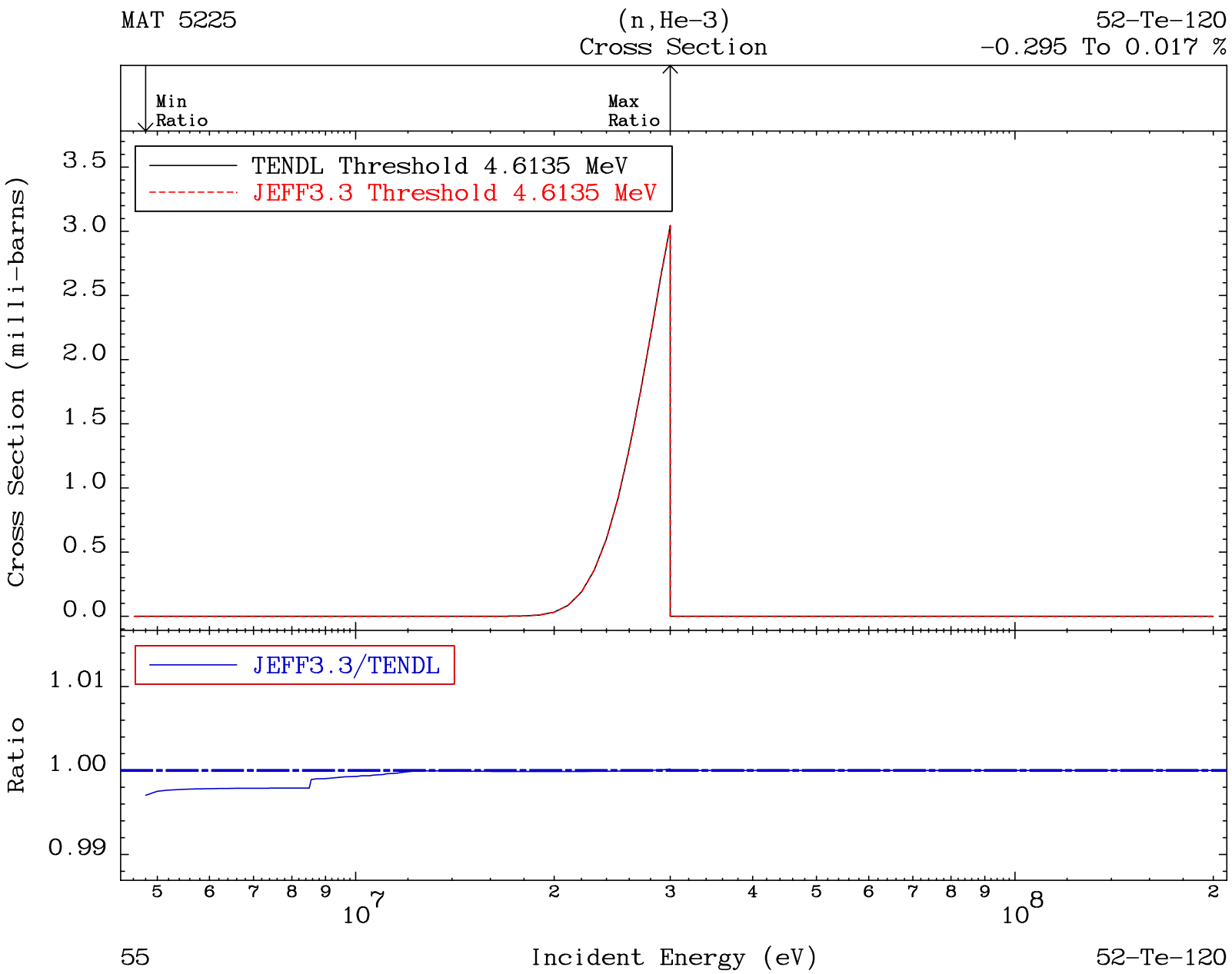

MAT 5225
(n,n') Continuum
Cross Section
52-Te-120
-0.042 To 0.801 %
Min
Ratio
TENDL Threshold 2.9615 MeV
JEFF3.3 Threshold 2.9615 MeV
Cross Section (barns)
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.02
1.01
1.00
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
50
Incident Energy (eV)
52-Te-120

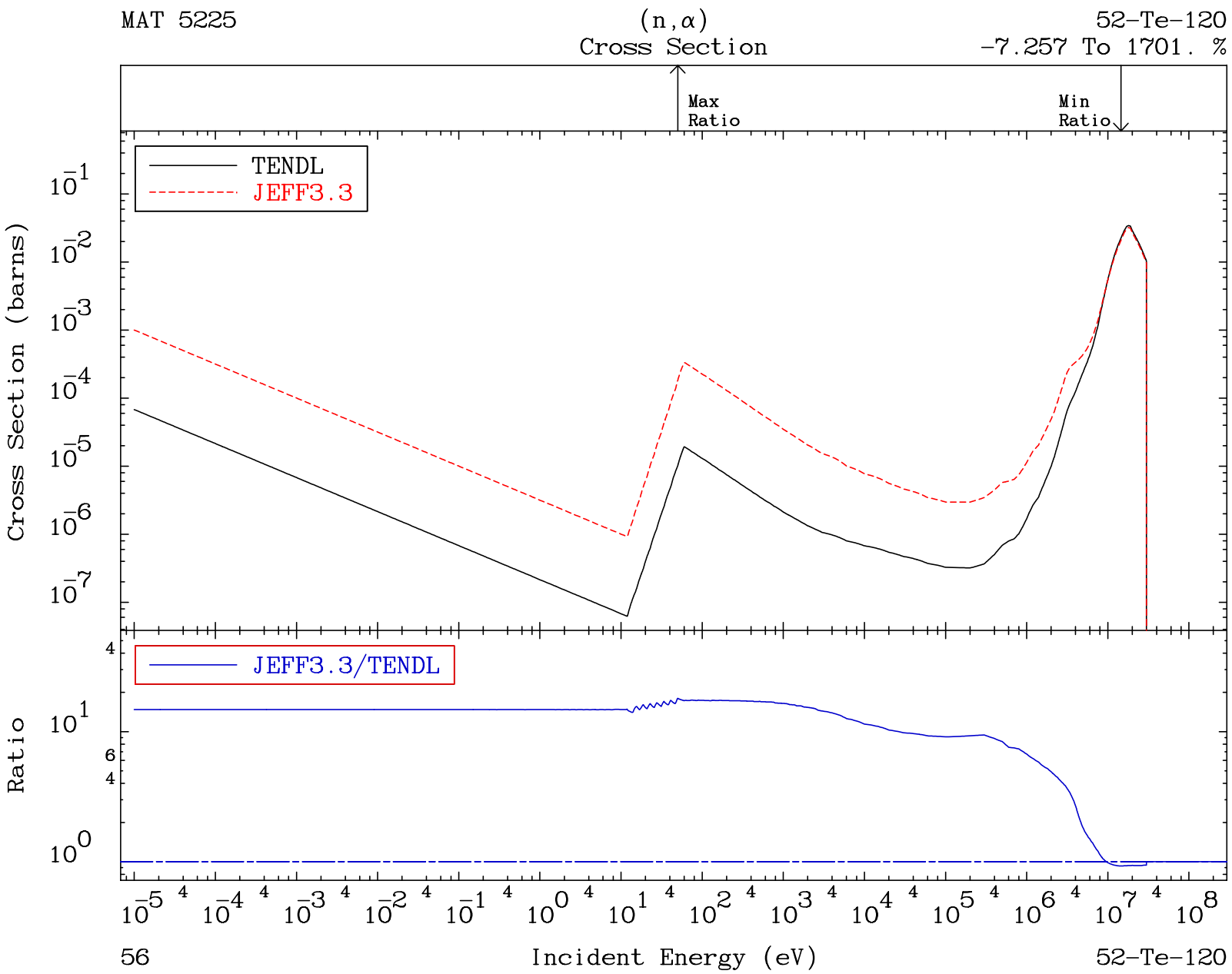

MAT 5225
(n,γ)
Cross Section
52-Te-120
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
51
52-Te-120

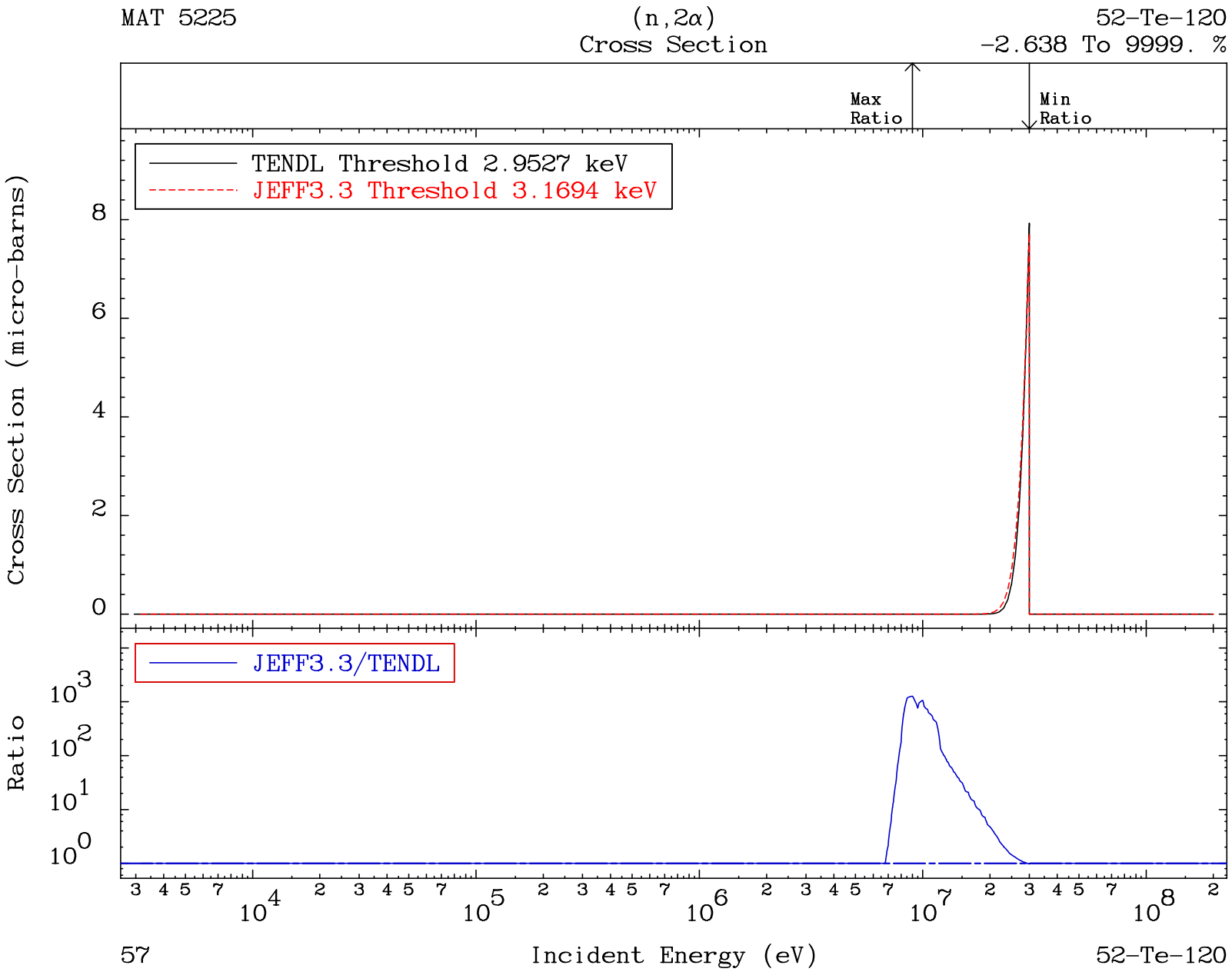

MAT 5225
(n,p)
Cross Section
52-Te-120
-0.095 To 0.249 %
Max Ratio
Min Ratio
TENDL Threshold 169.29 keV
JEFF3.3 Threshold 169.26 keV
Cross Section (milli-barns)
50
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
52
Incident Energy (eV)
52-Te-120

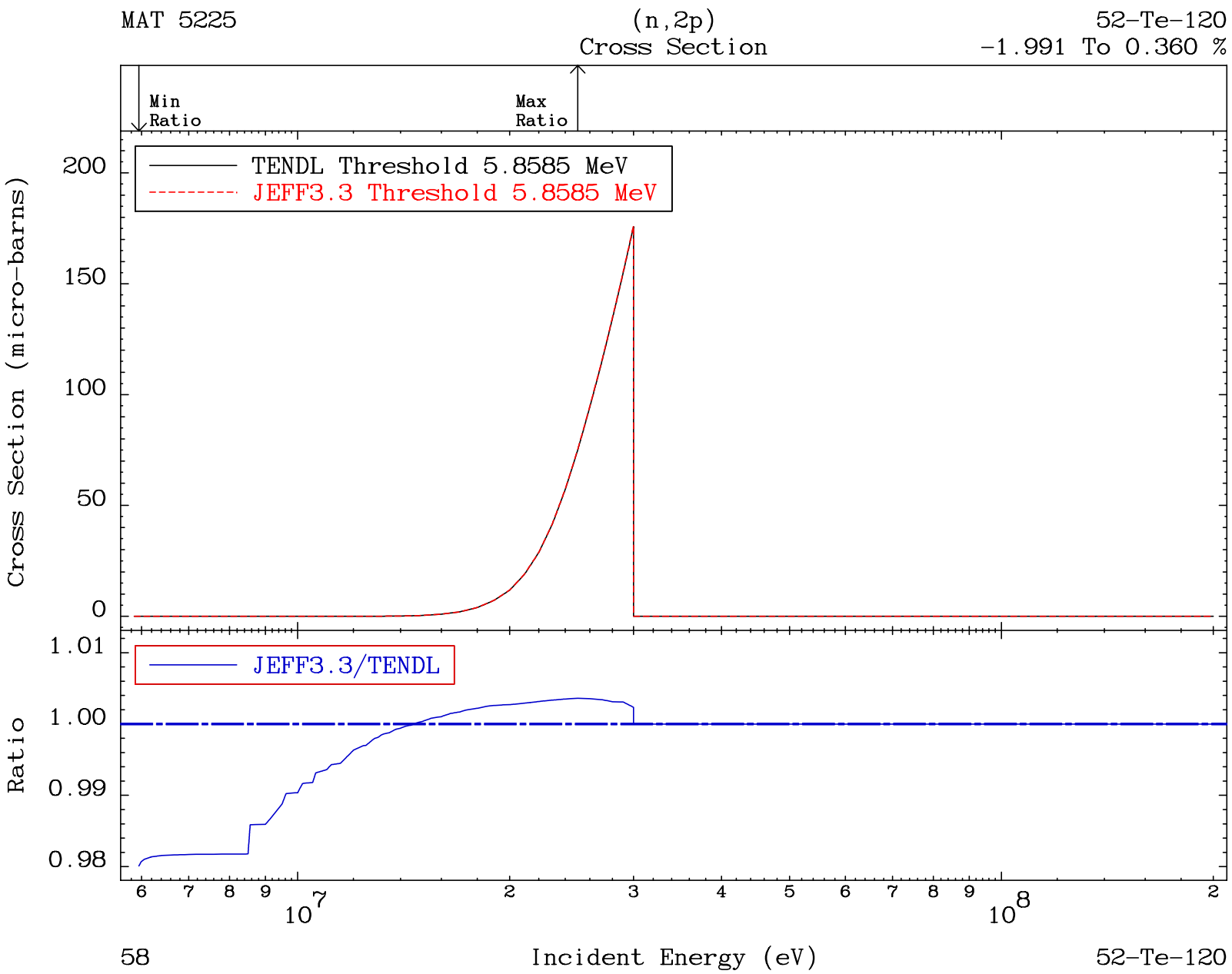

MAT 5225
(n,d)
Cross Section
52-Te-120
-0.344 To 0.028 %
Min Ratio
Max Ratio
TENDL Threshold 4.9999 MeV
JEFF3.3 Threshold 4.9999 MeV
Cross Section (milli-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
53
Incident Energy (eV)
52-Te-120

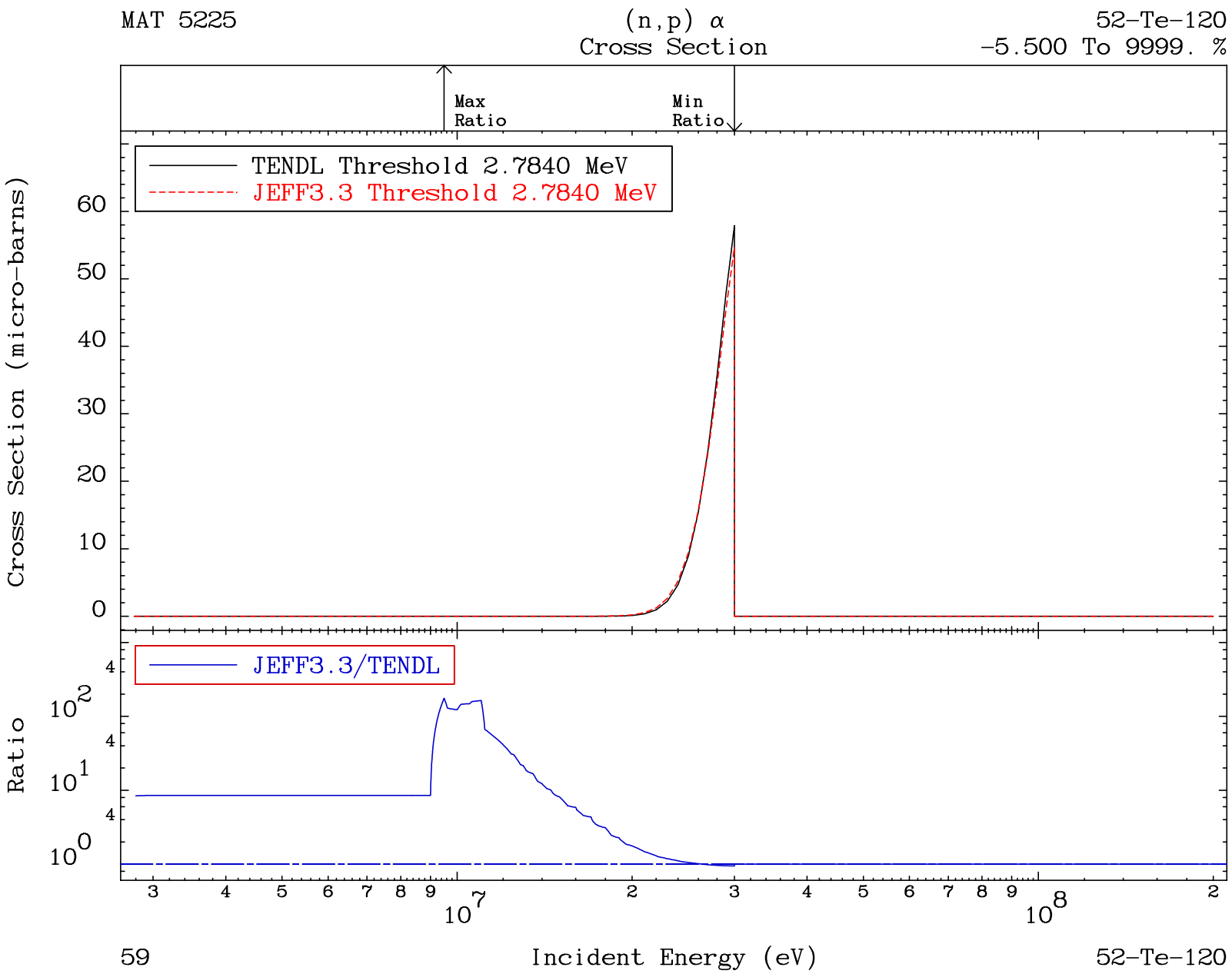

MAT 5225
(n,t)
Cross Section
52-Te-120
-12.36 To 5.577 %
Min Ratio
Max Ratio
TENDL Threshold 8.3197 MeV
JEFF3.3 Threshold 8.3197 MeV
Cross Section (milli-barns)
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.1
1.0
0.9
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
54
Incident Energy (eV)
52-Te-120

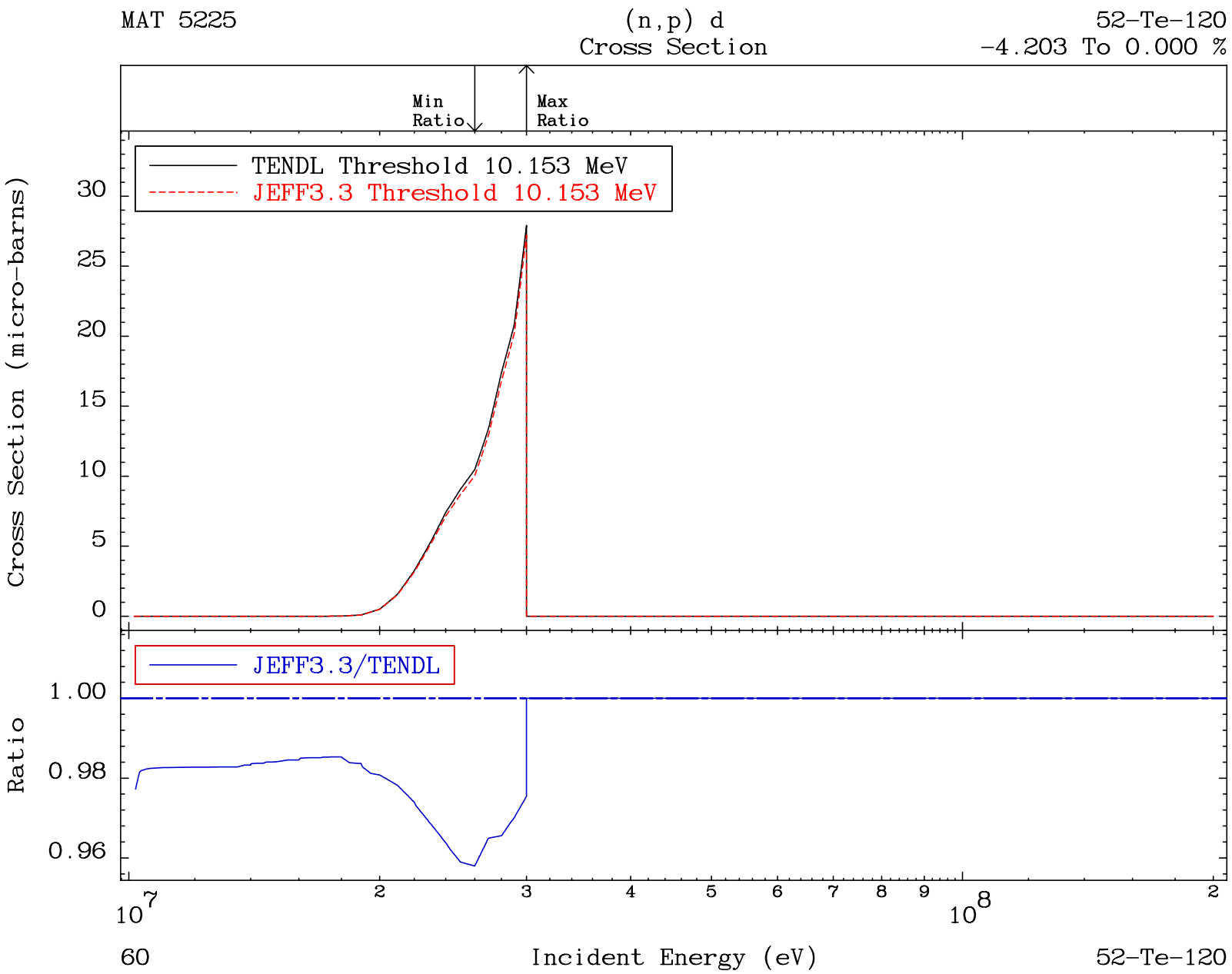

MAT 5225
(n,He-3)
Cross Section
52-Te-120
-0.295 To 0.017 %
Min Ratio
Max Ratio
TENDL Threshold 4.6135 MeV
JEFF3.3 Threshold 4.6135 MeV
Cross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
55
Incident Energy (eV)
52-Te-120

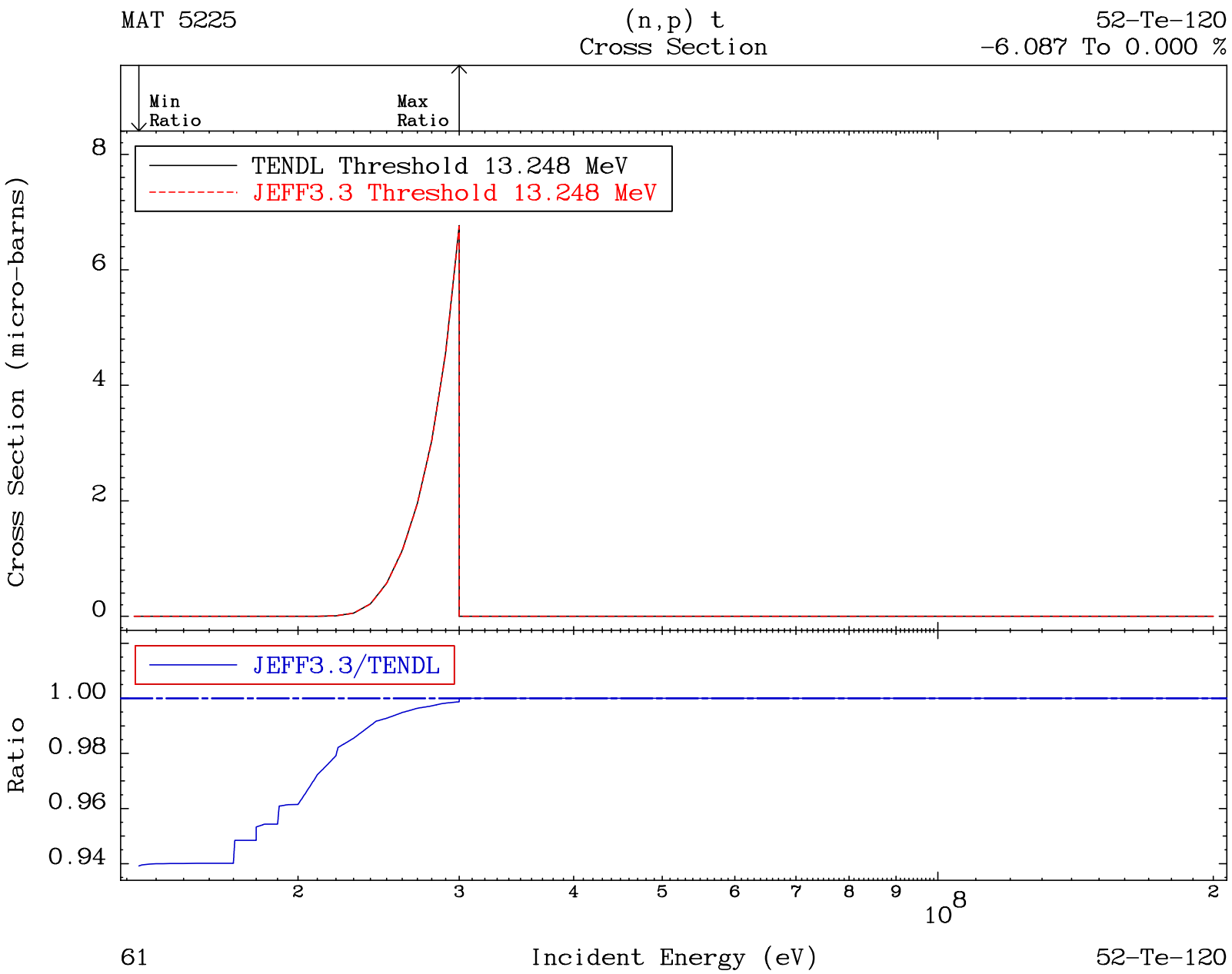

MAT 5225
(n,α)
Cross Section
52-Te-120
-7.257 To 1701. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
56
52-Te-120

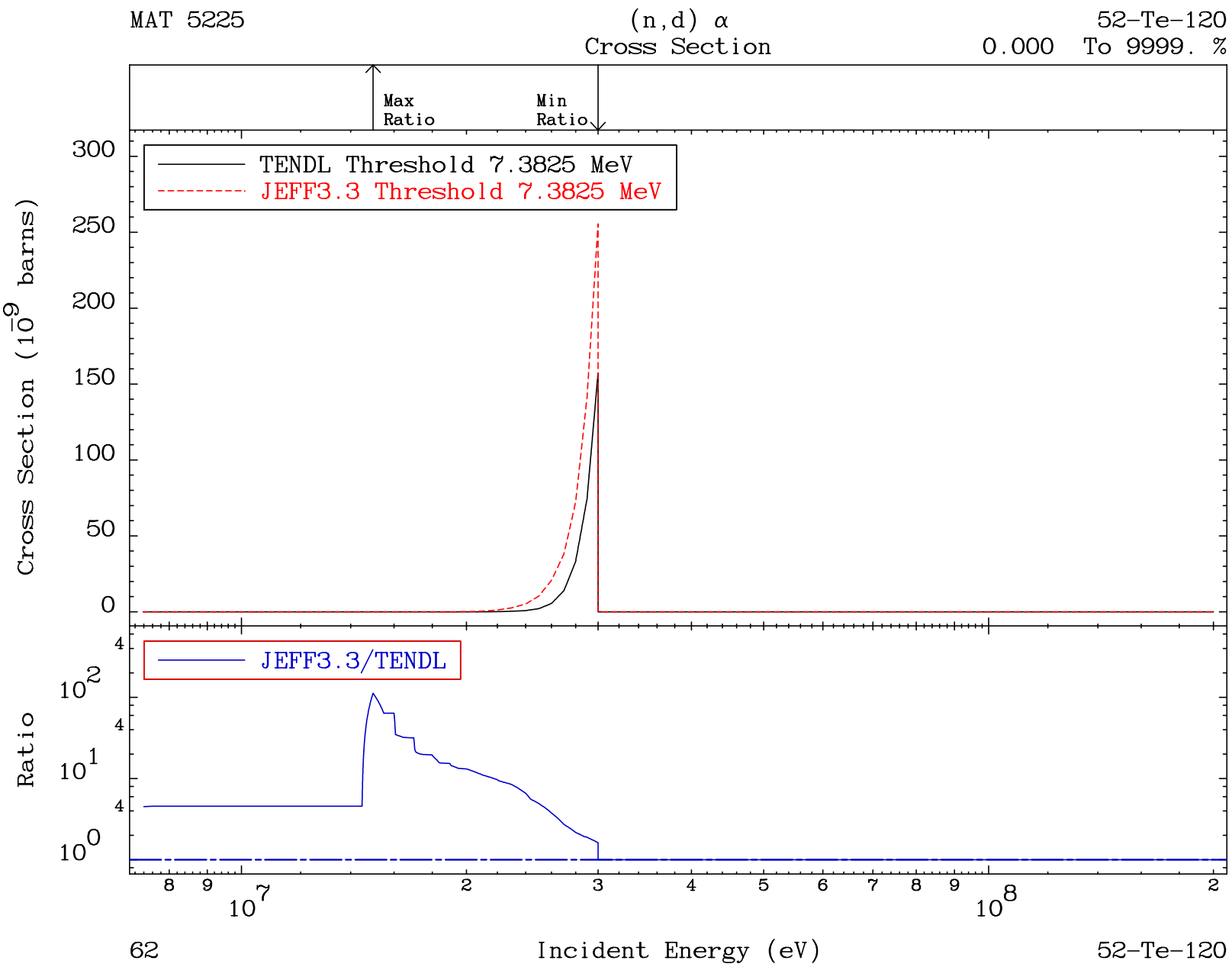

MAT 5225
(n,2α)
Cross Section
52-Te-120
-2.638 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.9527 keV
JEFF3.3 Threshold 3.1694 keV
Cross Section (micro-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
10^0
10^1
10^2
10^3
10^4
10^5
10^6
10^7
10^8
57
Incident Energy (eV)
52-Te-120

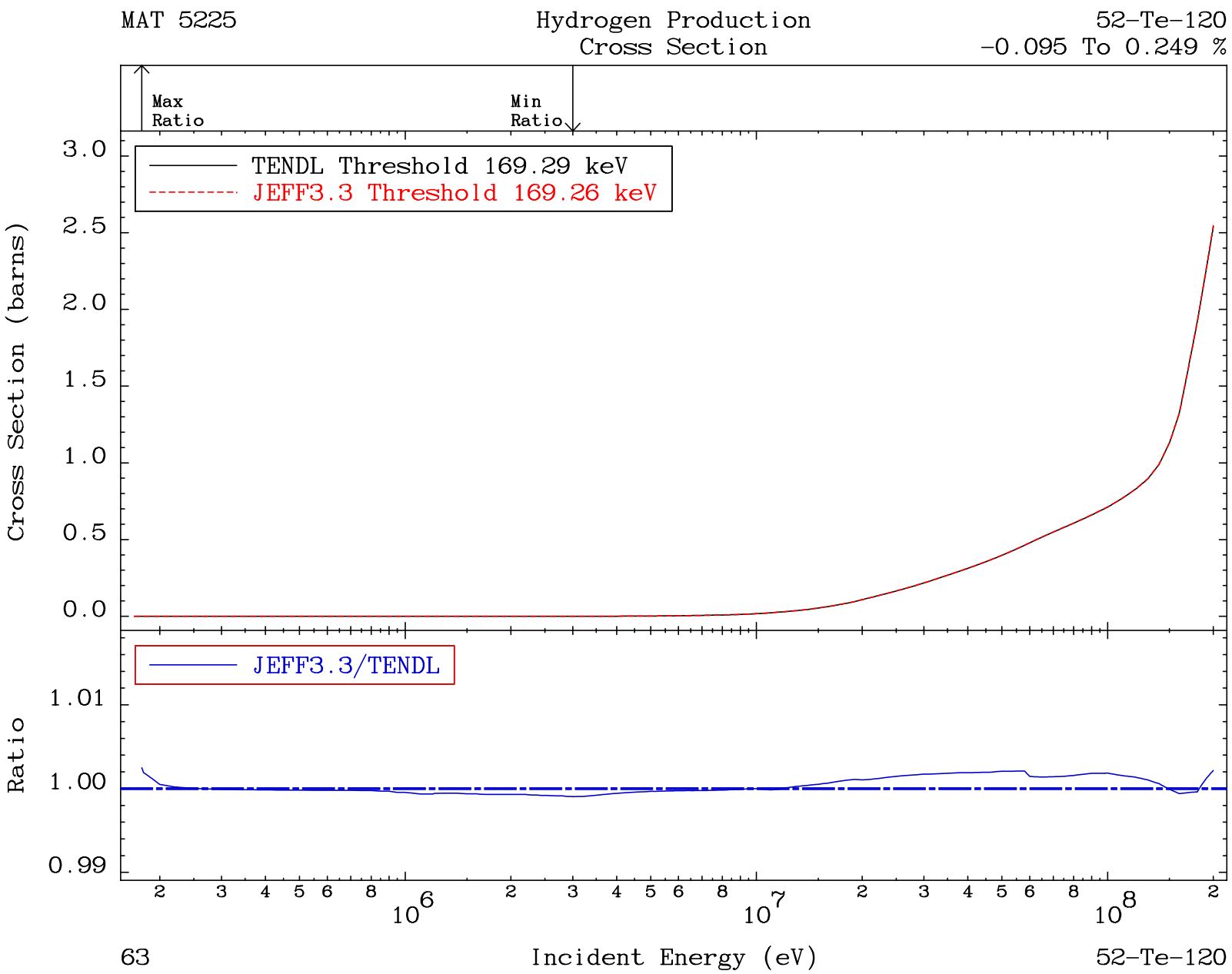

MAT 5225
(n,2p)
Cross Section
52-Te-120
-1.991 To 0.360 %
Min Ratio
Max Ratio
TENDL Threshold 5.8585 MeV
JEFF3.3 Threshold 5.8585 MeV
Cross Section (micro-barns)
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
0.98
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
58
Incident Energy (eV)
52-Te-120

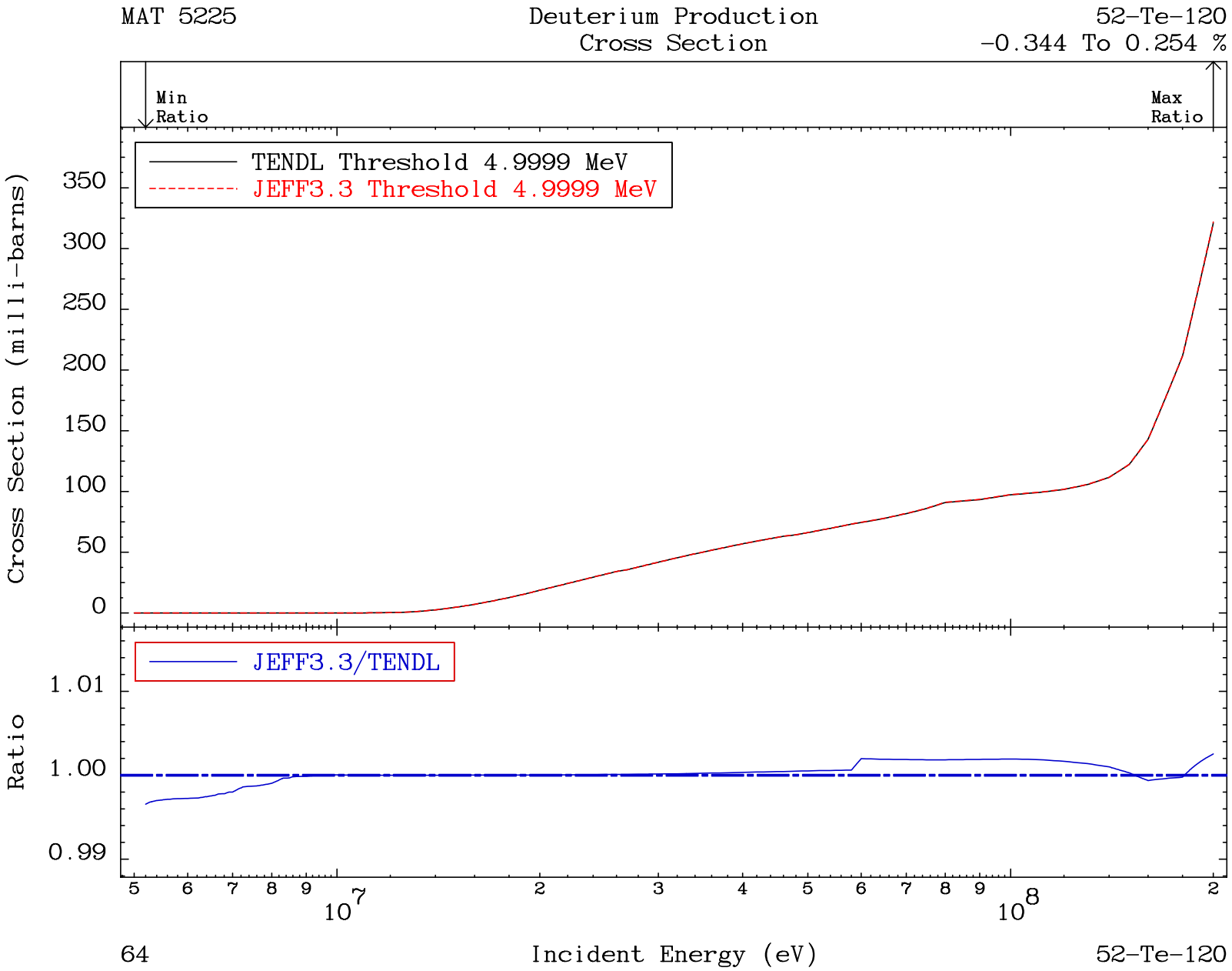

MAT 5225
(n,p) α
Cross Section
52-Te-120
-5.500 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.7840 MeV
JEFF3.3 Threshold 2.7840 MeV
Cross Section (micro-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
59
52-Te-120

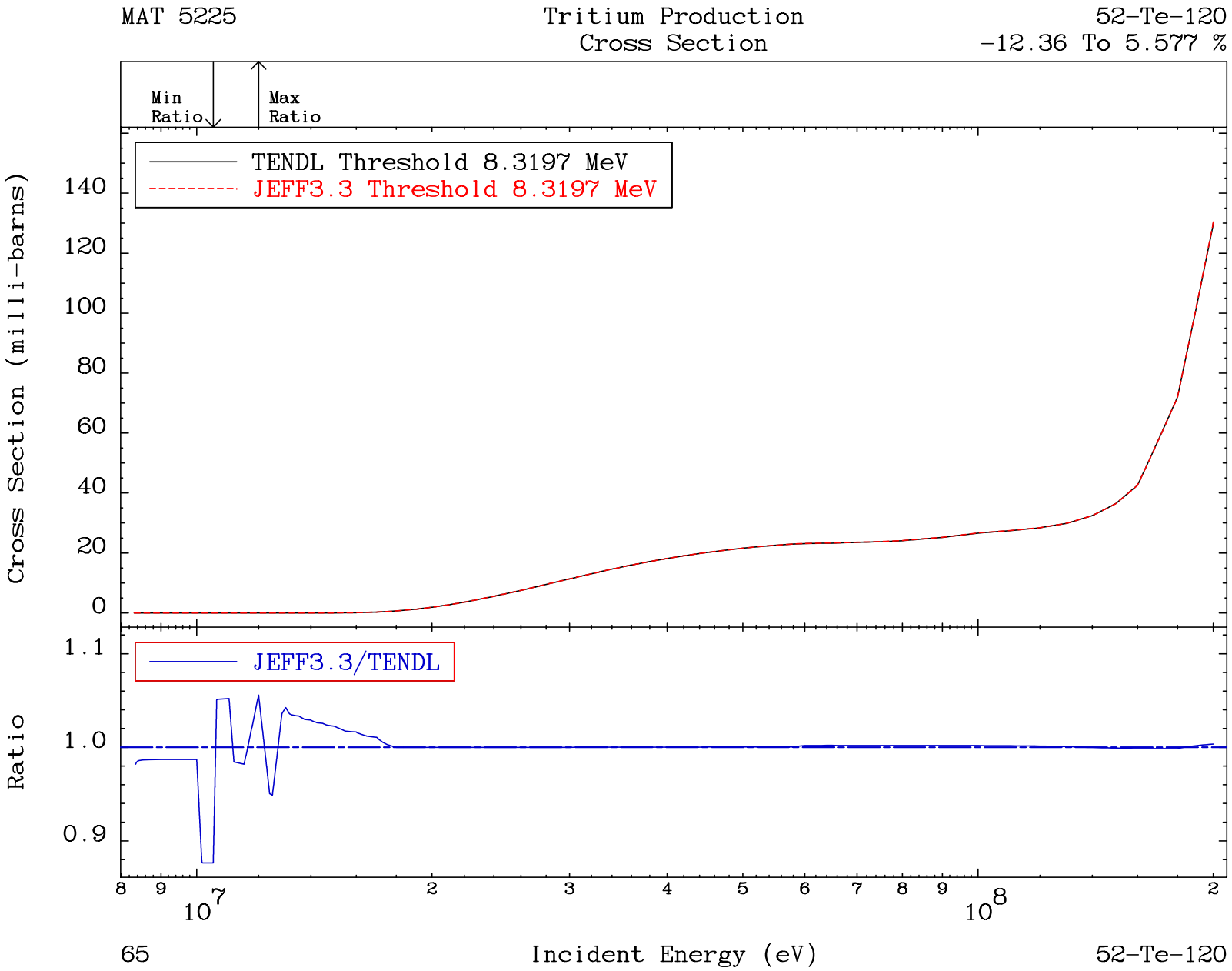

MAT 5225
(n,p) d
Cross Section
52-Te-120
-4.203 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 10.153 MeV
JEFF3.3 Threshold 10.153 MeV
Cross Section (micro-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
1.00
0.98
0.96
10^7
2
3
4
5
6
7
8
9
10^8
2
60
Incident Energy (eV)
52-Te-120

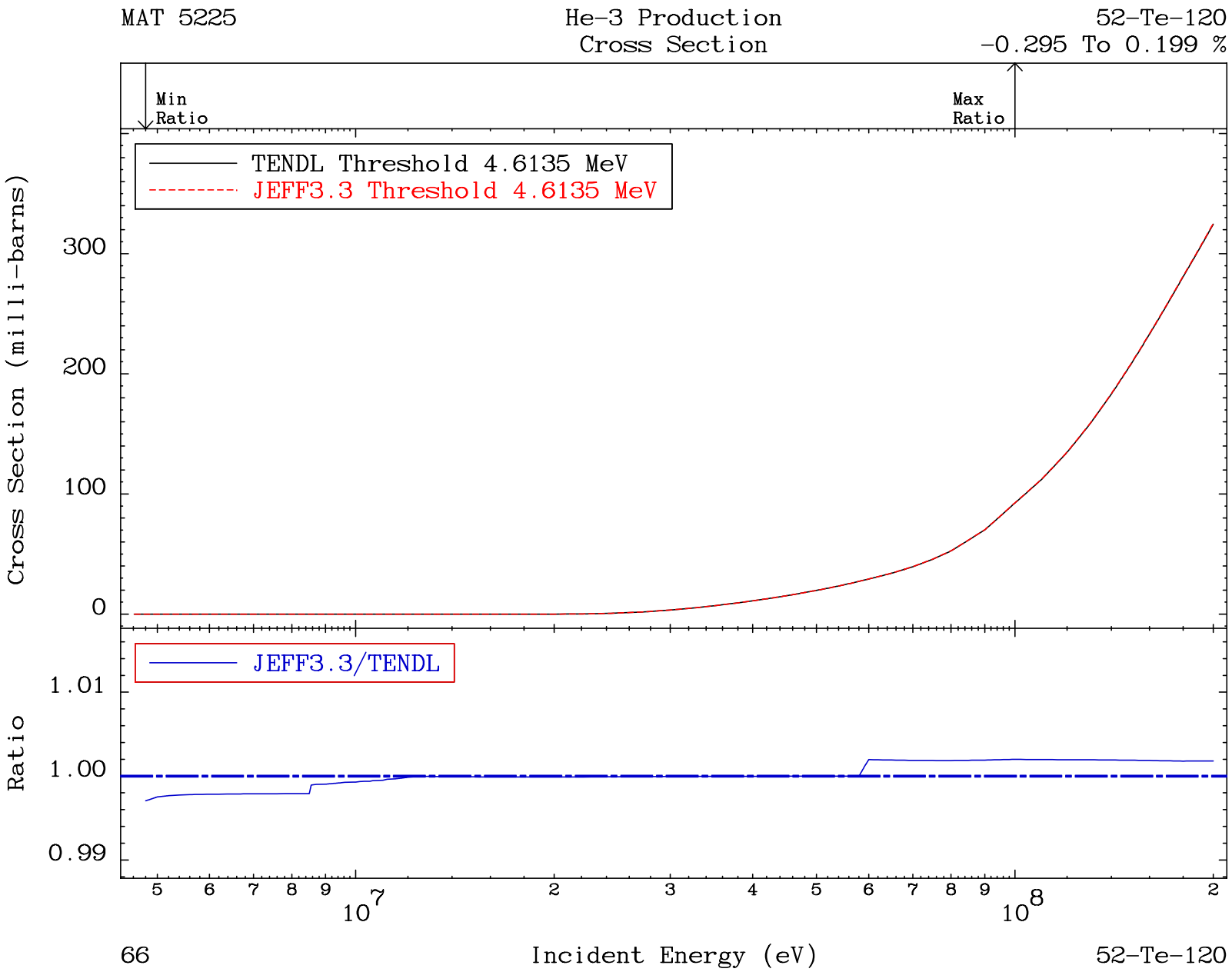

MAT 5225
(n,p) t
Cross Section
52-Te-120
-6.087 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 13.248 MeV
JEFF3.3 Threshold 13.248 MeV
Cross Section (micro-barns)
0
2
4
6
8
JEFF3.3/TENDL
Ratio
0.94
0.96
0.98
1.00
2
3
4
5
6
7
8
9
10^8
2
61
Incident Energy (eV)
52-Te-120

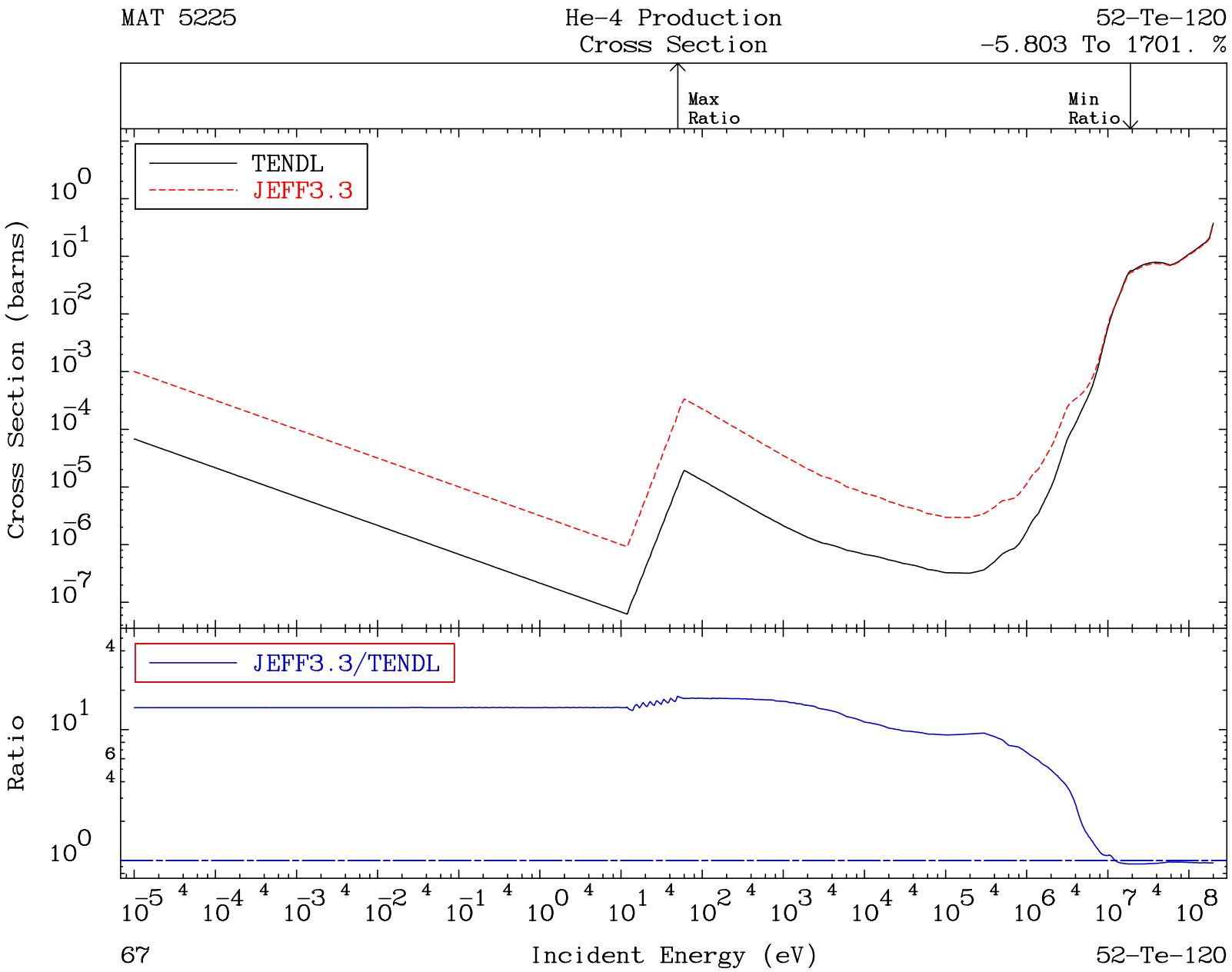

MAT 5225
(n,d) α
Cross Section
52-Te-120
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.3825 MeV
JEFF3.3 Threshold 7.3825 MeV
Cross Section (10^{-9} barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^{2}
10^{1}
10^{0}
8 9 10^{7} 2 3 4 5 6 7 8 9 10^{8} 2
62
Incident Energy (eV)
52-Te-120

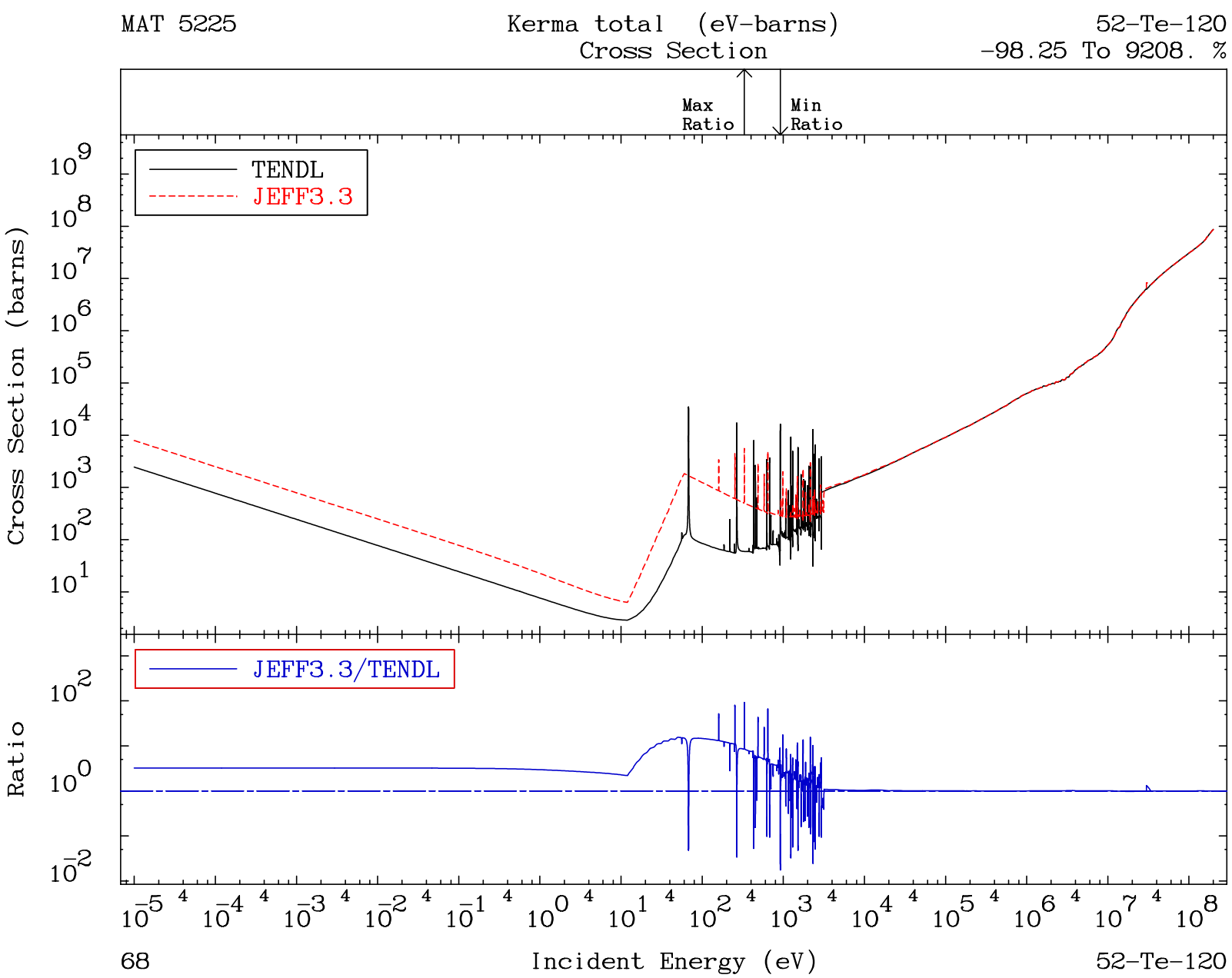

MAT 5225
Hydrogen Production
Cross Section
52-Te-120
-0.095 To 0.249 %
Max Ratio
Min Ratio
TENDL Threshold 169.29 keV
JEFF3.3 Threshold 169.26 keV
Cross Section (barns)
3.0
2.5
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
63
Incident Energy (eV)
52-Te-120

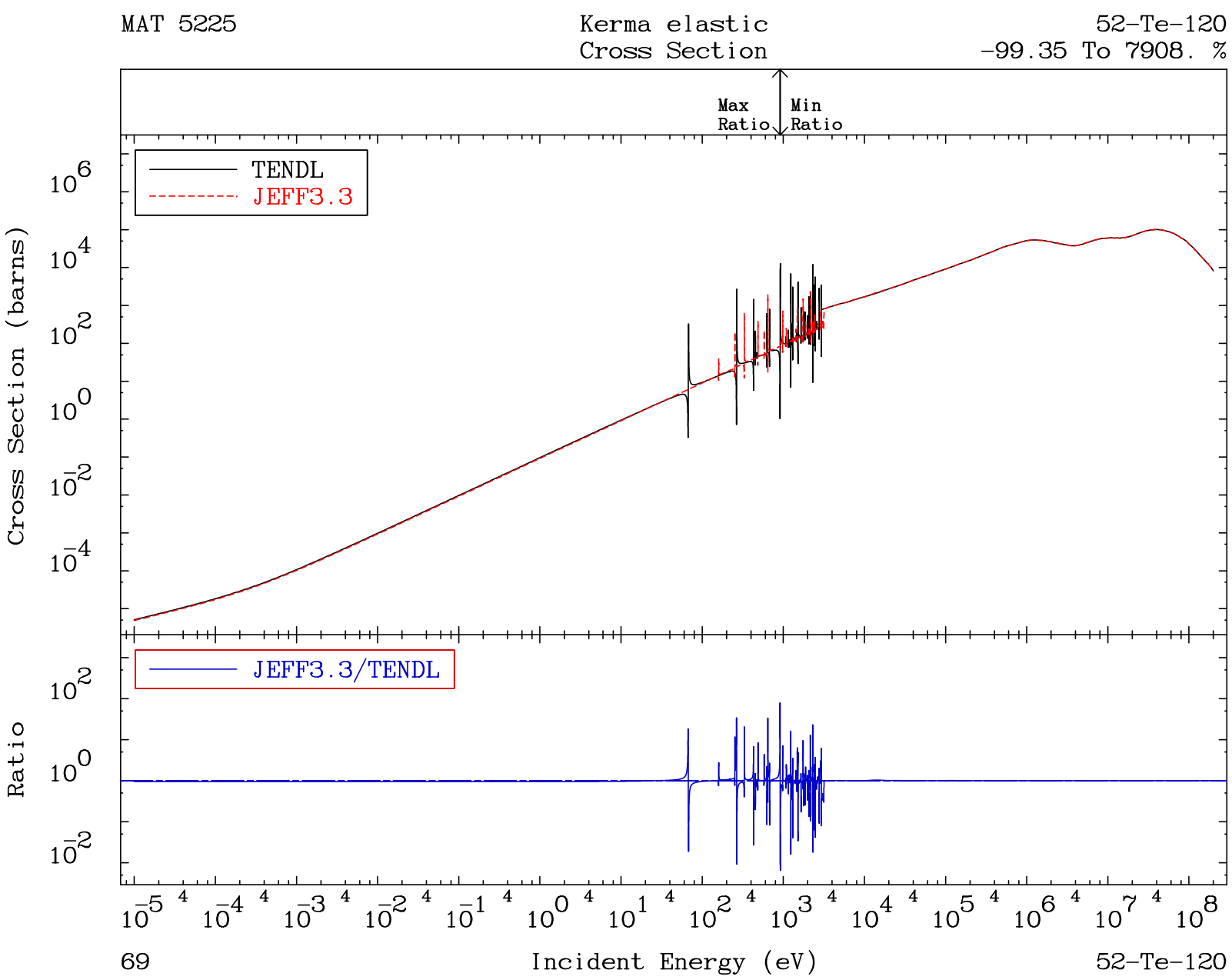

MAT 5225
Deuterium Production
Cross Section
52-Te-120
-0.344 To 0.254 %
Min
Ratio
Max
Ratio
TENDL Threshold 4.9999 MeV
JEFF3.3 Threshold 4.9999 MeV
Cross Section (milli-barns)
350
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
64
Incident Energy (eV)
52-Te-120

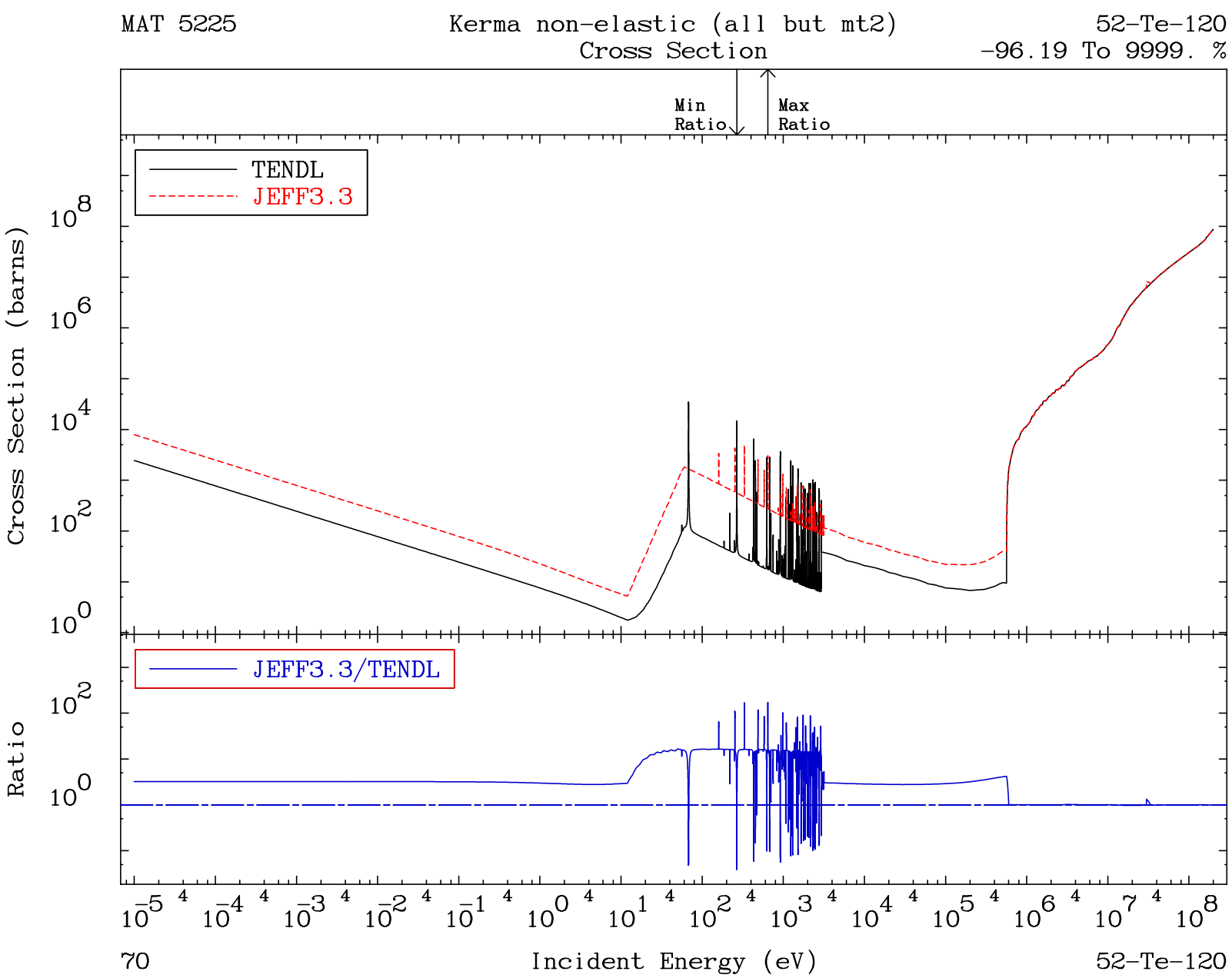

MAT 5225
Tritium Production
Cross Section
52-Te-120
-12.36 To 5.577 %
Min Ratio
Max Ratio
TENDL Threshold 8.3197 MeV
JEFF3.3 Threshold 8.3197 MeV
Cross Section (milli-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.1
1.0
0.9
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
65
Incident Energy (eV)
52-Te-120

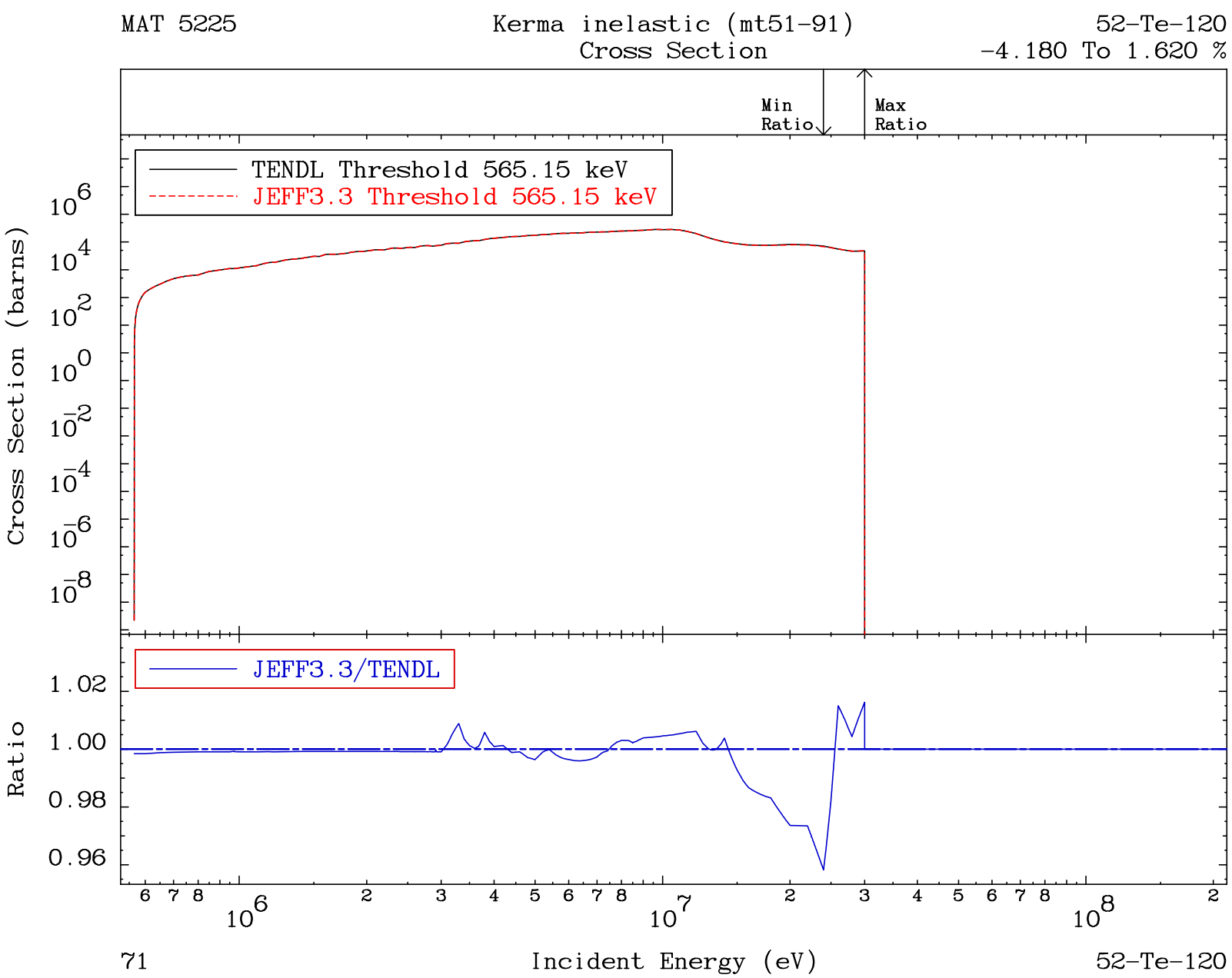

MAT 5225
He-3 Production
Cross Section
52-Te-120
-0.295 To 0.199 %
Min Ratio
Max Ratio
TENDL Threshold 4.6135 MeV
JEFF3.3 Threshold 4.6135 MeV
Cross Section (milli-barns)
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
66
Incident Energy (eV)
52-Te-120

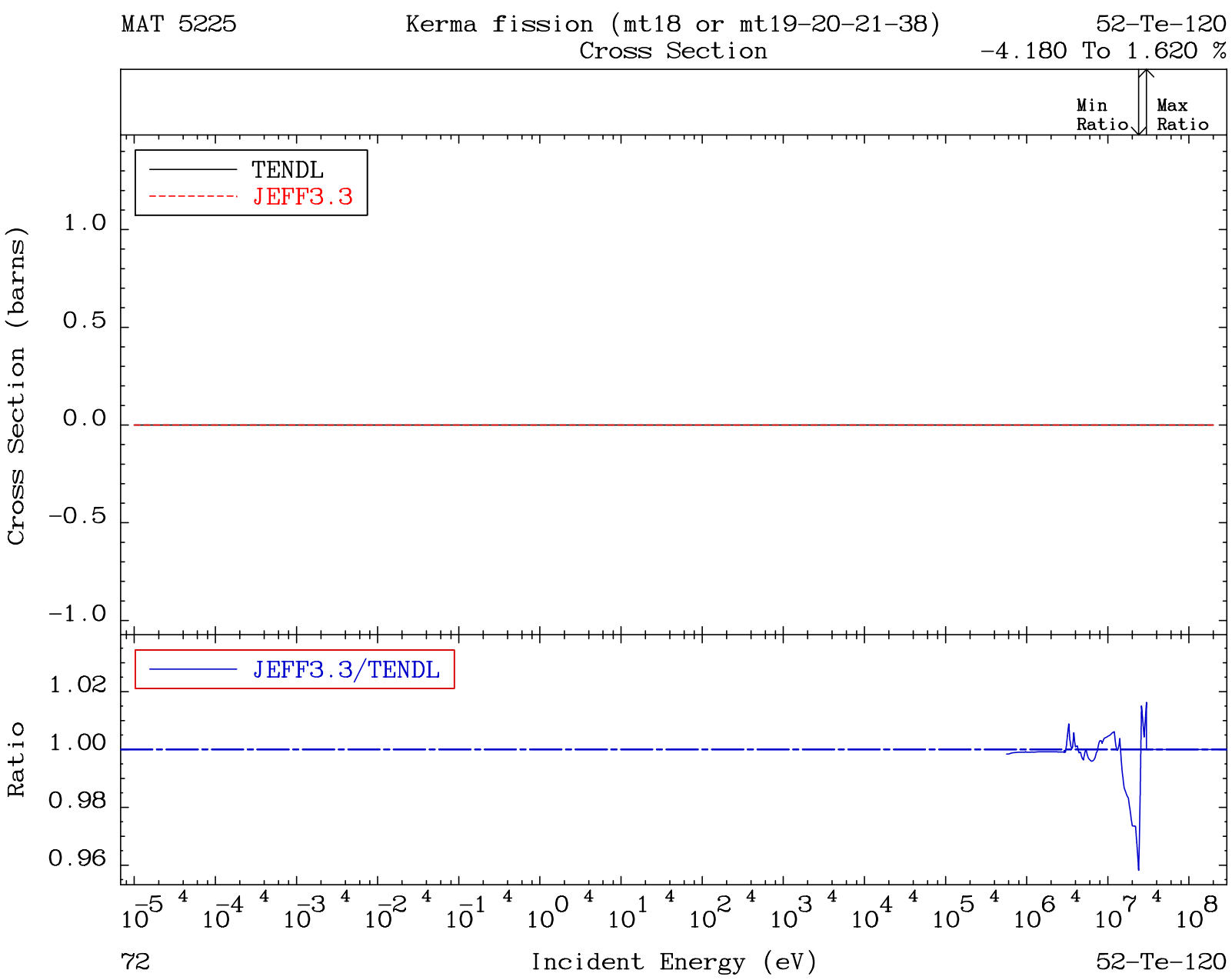

MAT 5225
He-4 Production
Cross Section
52-Te-120
-5.803 To 1701. %
Max
Ratio
Min
Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
67
52-Te-120

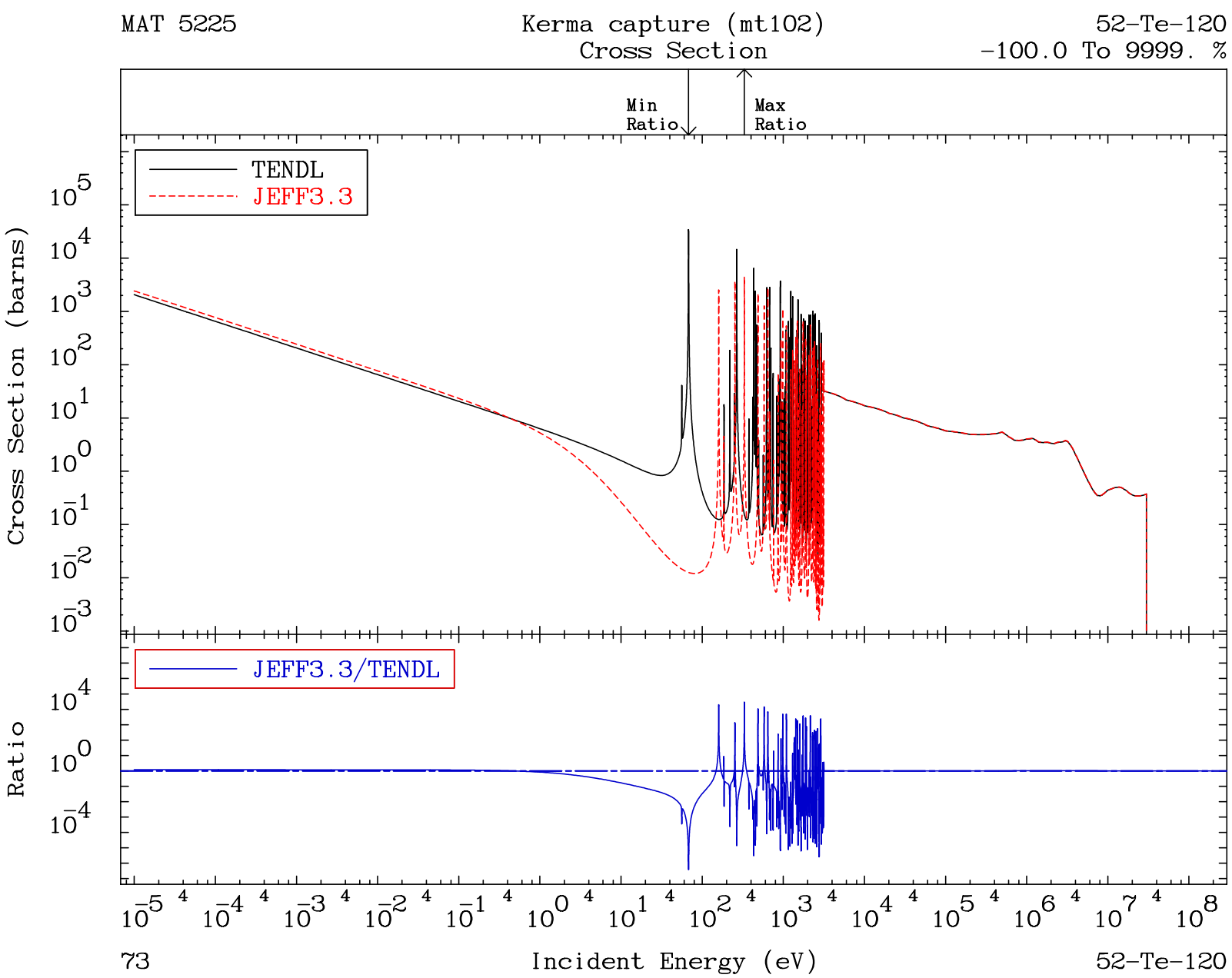

MAT 5225
Kerma total (eV-barns)
Cross Section
52-Te-120
-98.25 To 9208. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
68
52-Te-120

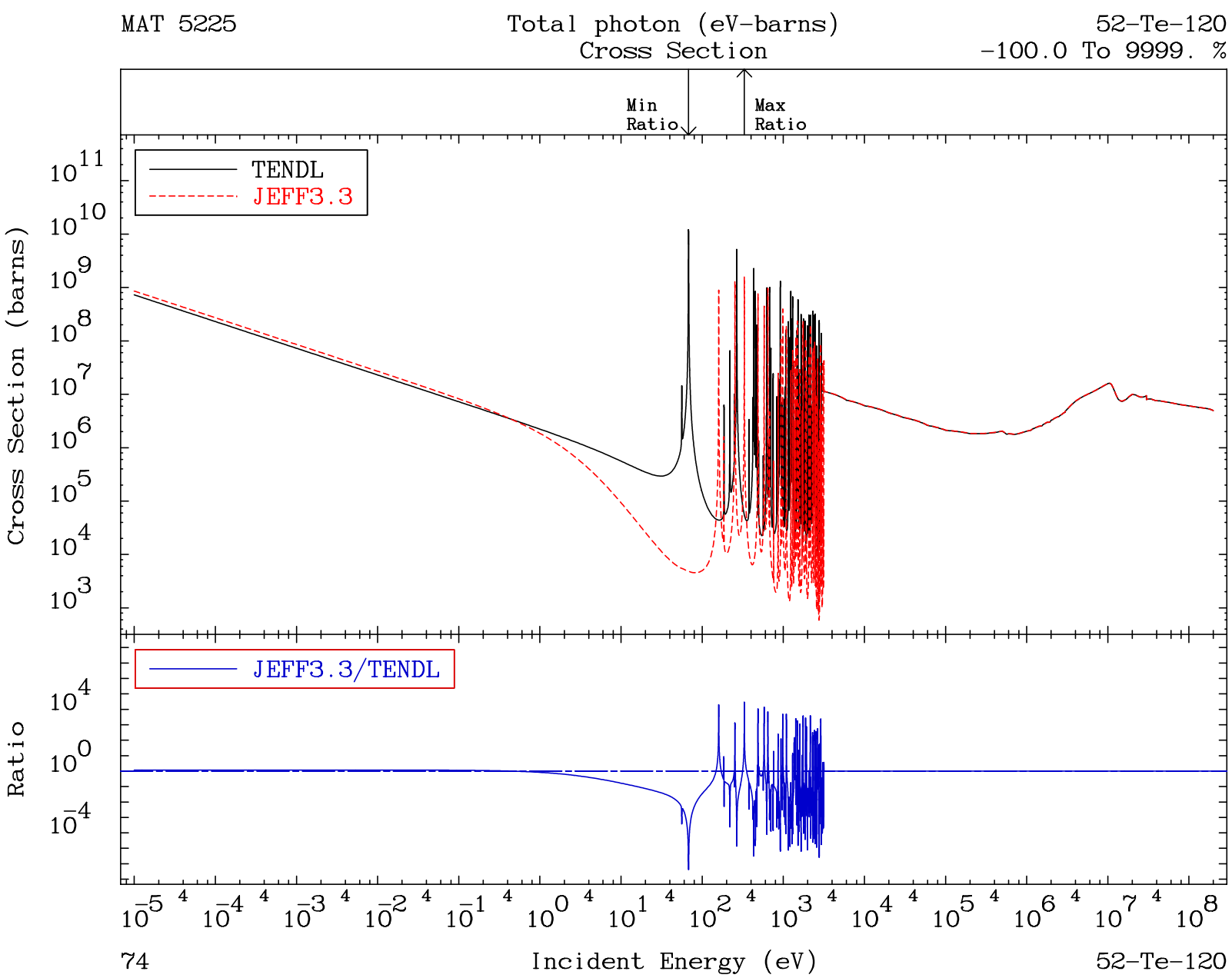

MAT 5225
Kerma elastic
Cross Section
52-Te-120
-99.35 To 7908. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
69
52-Te-120

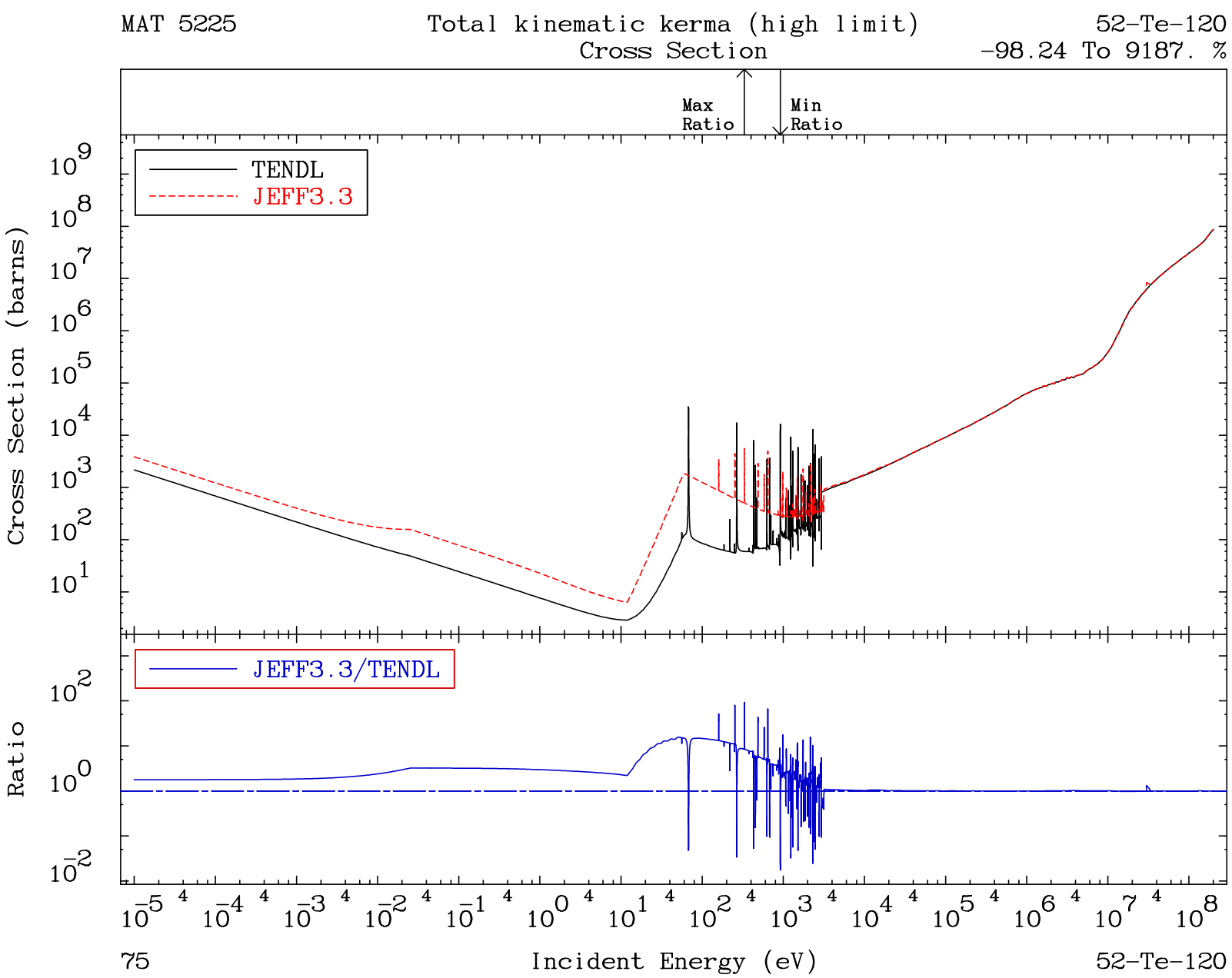

MAT 5225
Kerma non-elastic (all but mt2)
Cross Section
52-Te-120
-96.19 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
70
52-Te-120

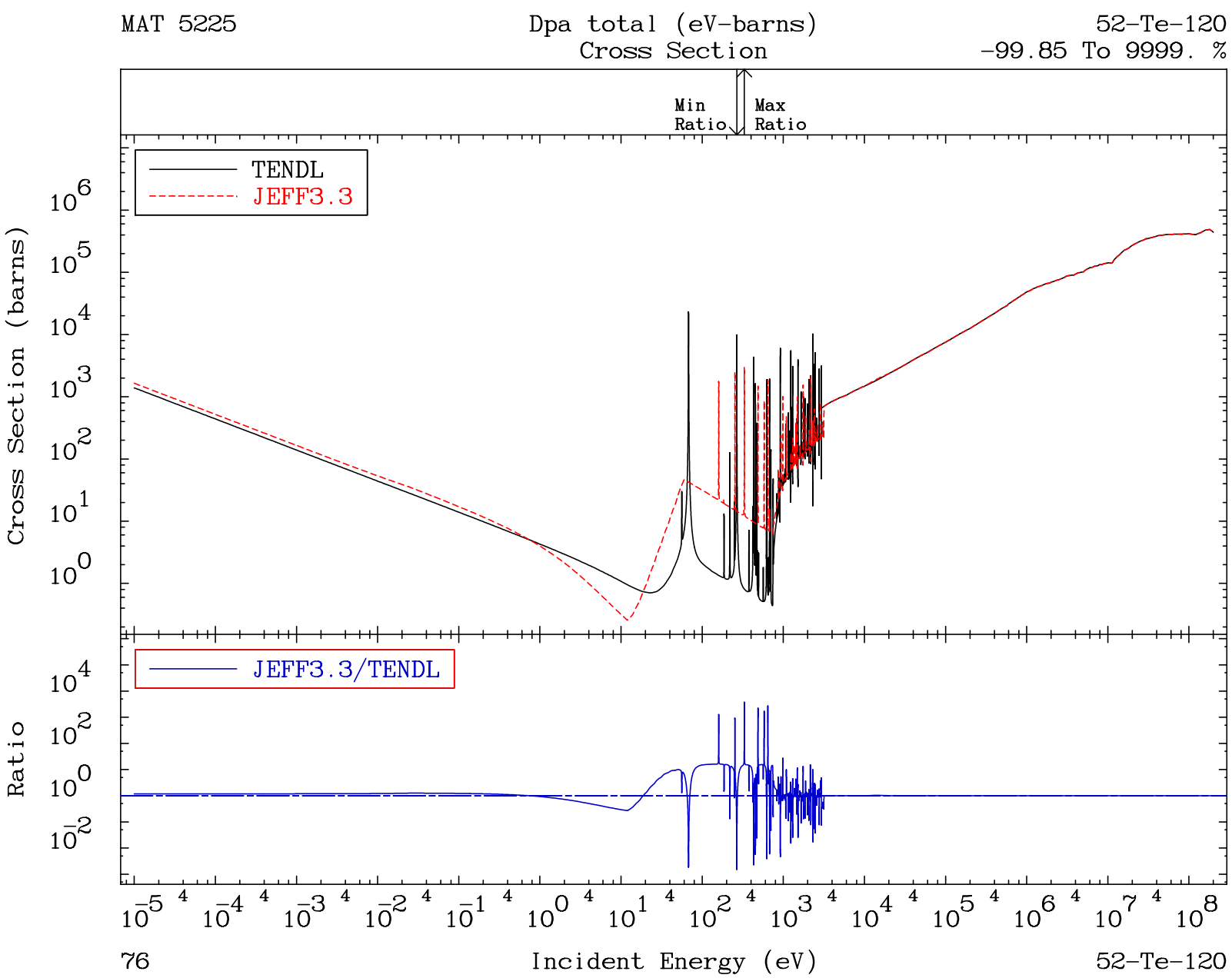

MAT 5225
Kerma inelastic (mt51-91)
Cross Section
52-Te-120
-4.180 To 1.620 %
Min Ratio
Max Ratio
TENDL Threshold 565.15 keV
JEFF3.3 Threshold 565.15 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
71
52-Te-120

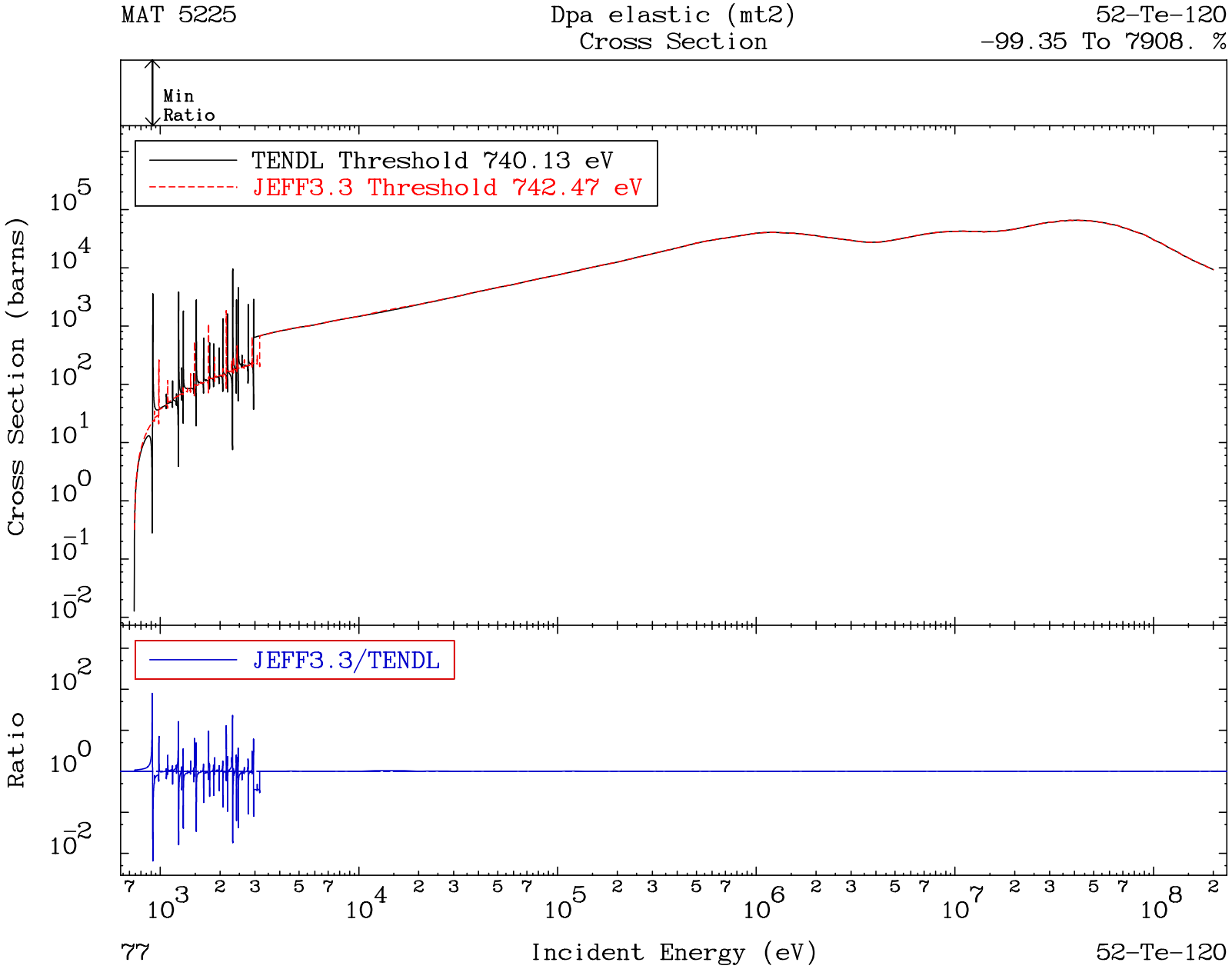

MAT 5225
Kerma fission (mt18 or mt19-20-21-38)
Cross Section
52-Te-120
-4.180 To 1.620 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
1.0
0.5
0.0
-0.5
-1.0
JEFF3.3/TENDL
Ratio
1.02
1.00
0.98
0.96
10-5 4 10-4 4 10-3 4 10-2 4 10-1 4 100 4 101 4 102 4 103 4 104 4 105 4 106 4 107 4 108
72
Incident Energy (eV)
52-Te-120

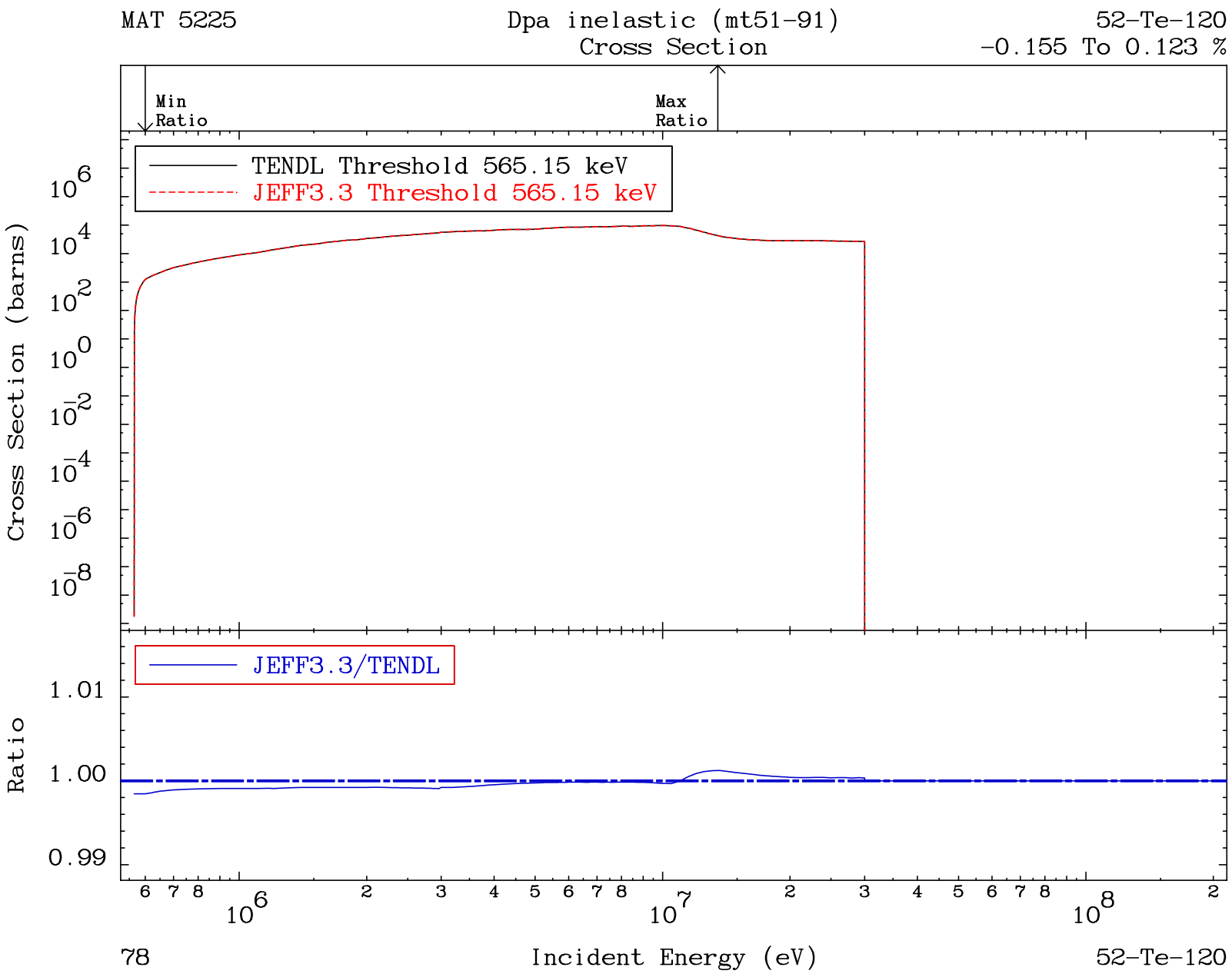

MAT 5225
Kerma capture (mt102)
Cross Section
52-Te-120
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
73
52-Te-120

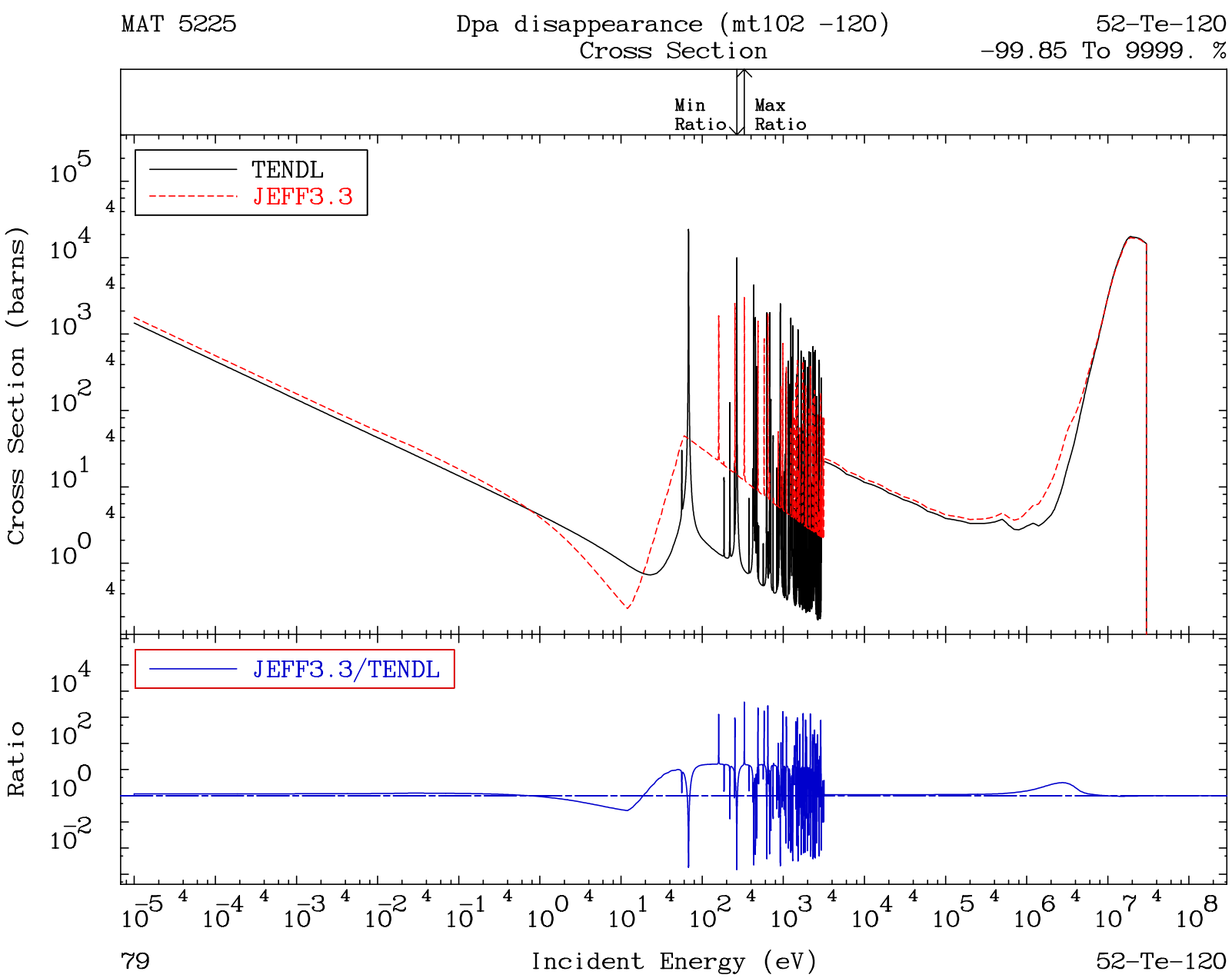

MAT 5225
Total photon (eV-barns)
Cross Section
52-Te-120
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
74
Incident Energy (eV)
52-Te-120

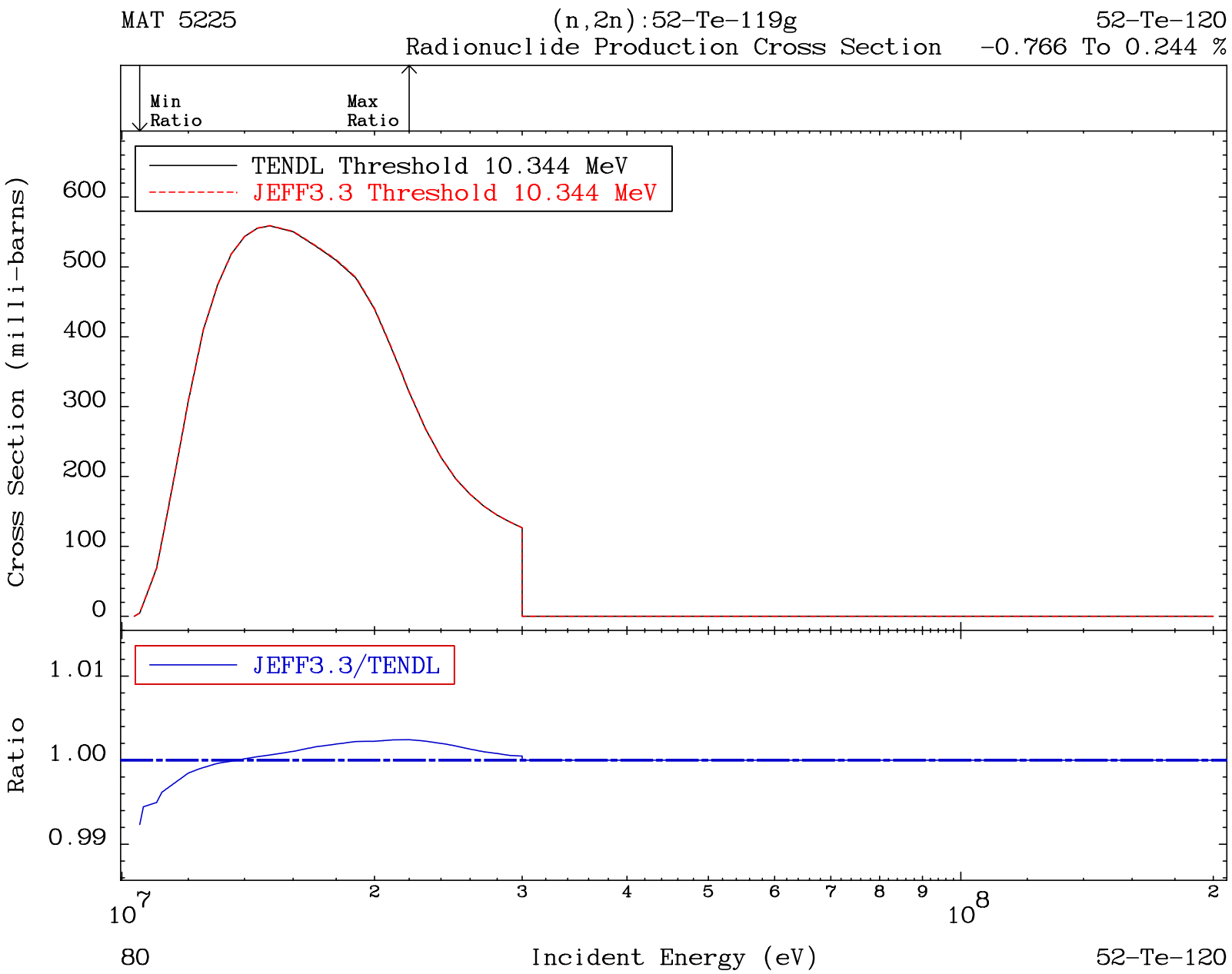

MAT 5225
Total kinematic kerma (high limit)
Cross Section
52-Te-120
-98.24 To 9187. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
75
52-Te-120

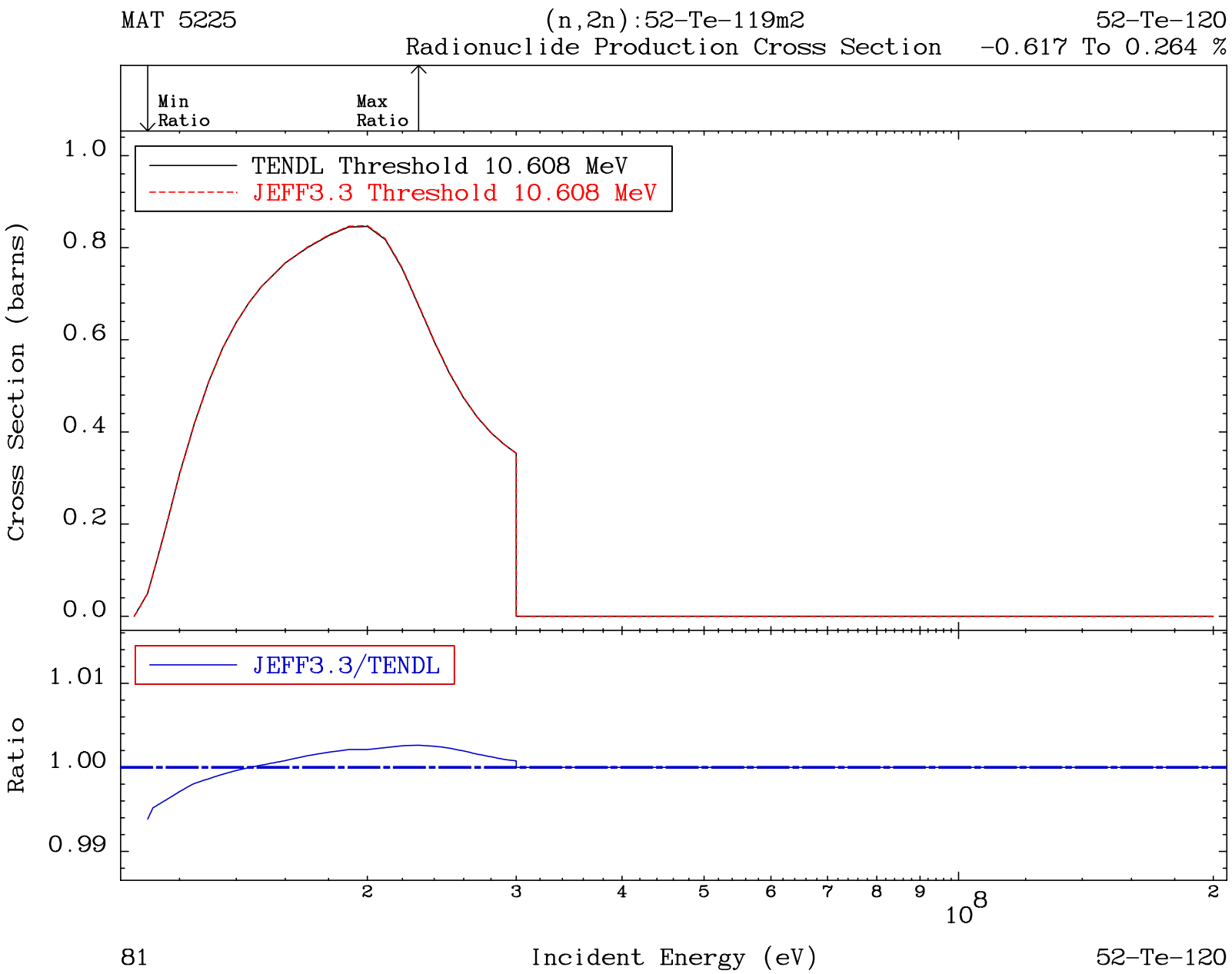

MAT 5225
Dpa total (eV-barns)
Cross Section
52-Te-120
-99.85 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
76
52-Te-120

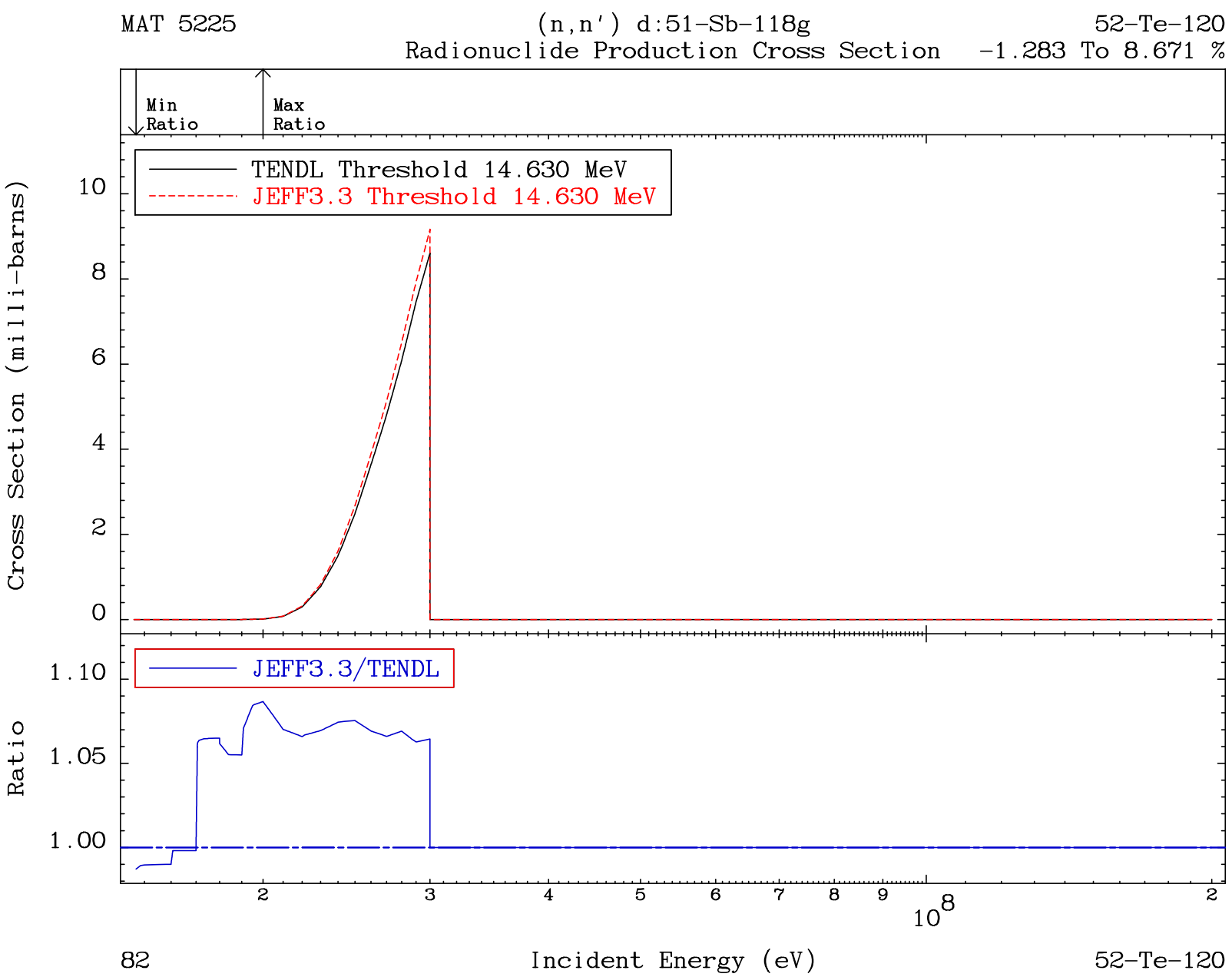

MAT 5225
Dpa elastic (mt2)
Cross Section
52-Te-120
-99.35 To 7908. %
Min
Ratio
TENDL Threshold 740.13 eV
JEFF3.3 Threshold 742.47 eV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
77
52-Te-120

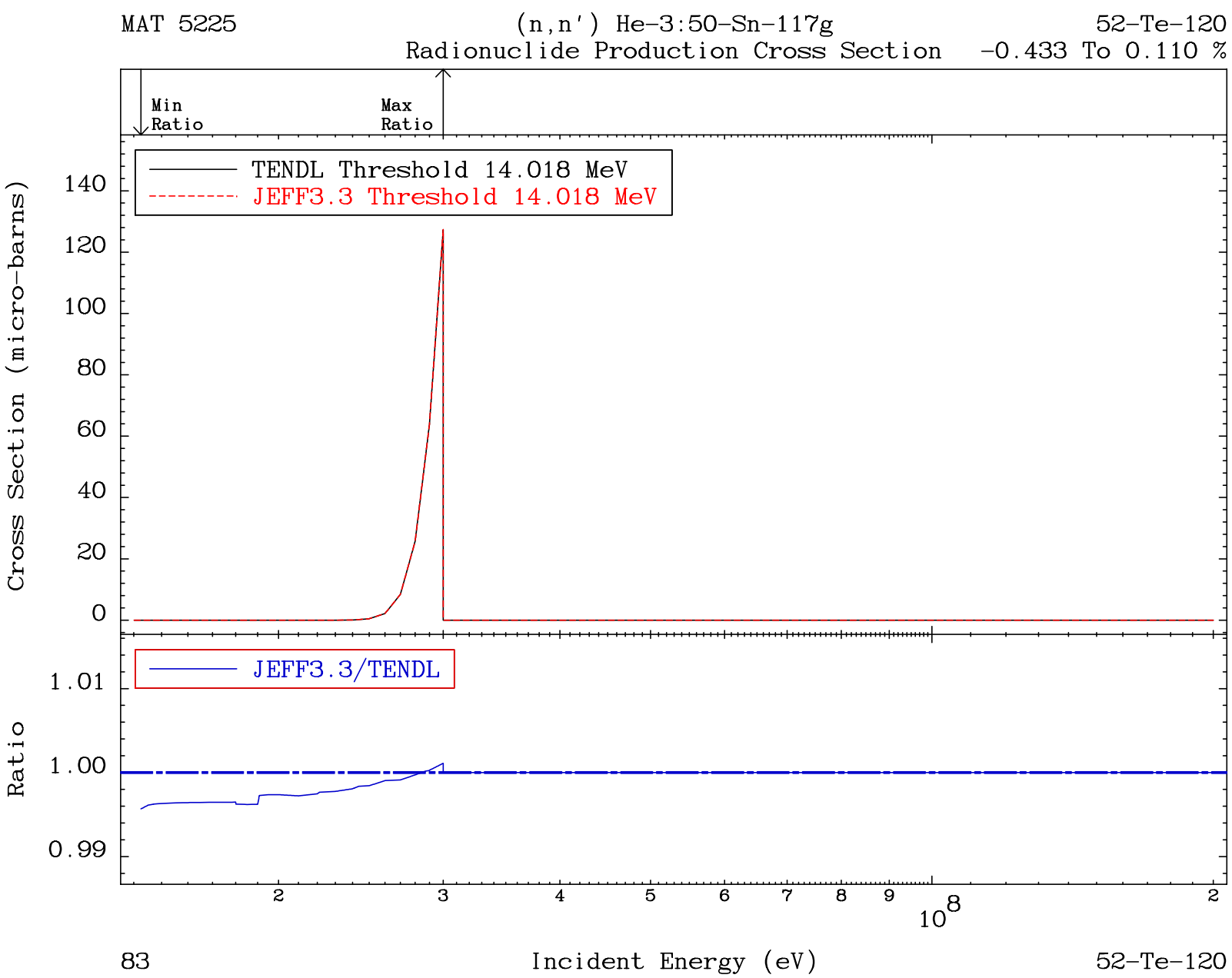

MAT 5225
Dpa inelastic (mt51-91)
Cross Section
52-Te-120
-0.155 To 0.123 %
Min Ratio
Max Ratio
TENDL Threshold 565.15 keV
JEFF3.3 Threshold 565.15 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
78
52-Te-120

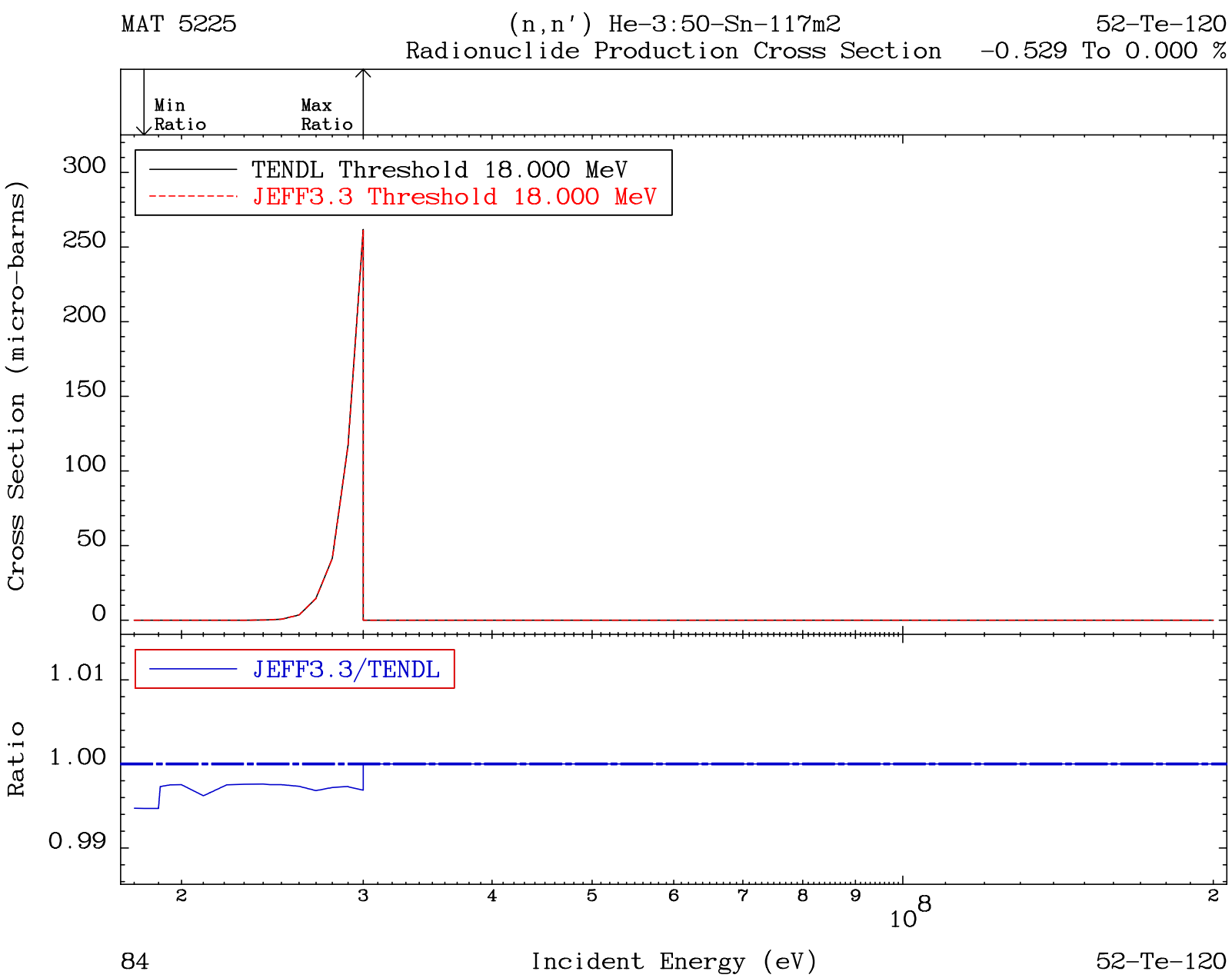

MAT 5225
Dpa disappearance (mt102 -120)
Cross Section
52-Te-120
-99.85 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
79
52-Te-120

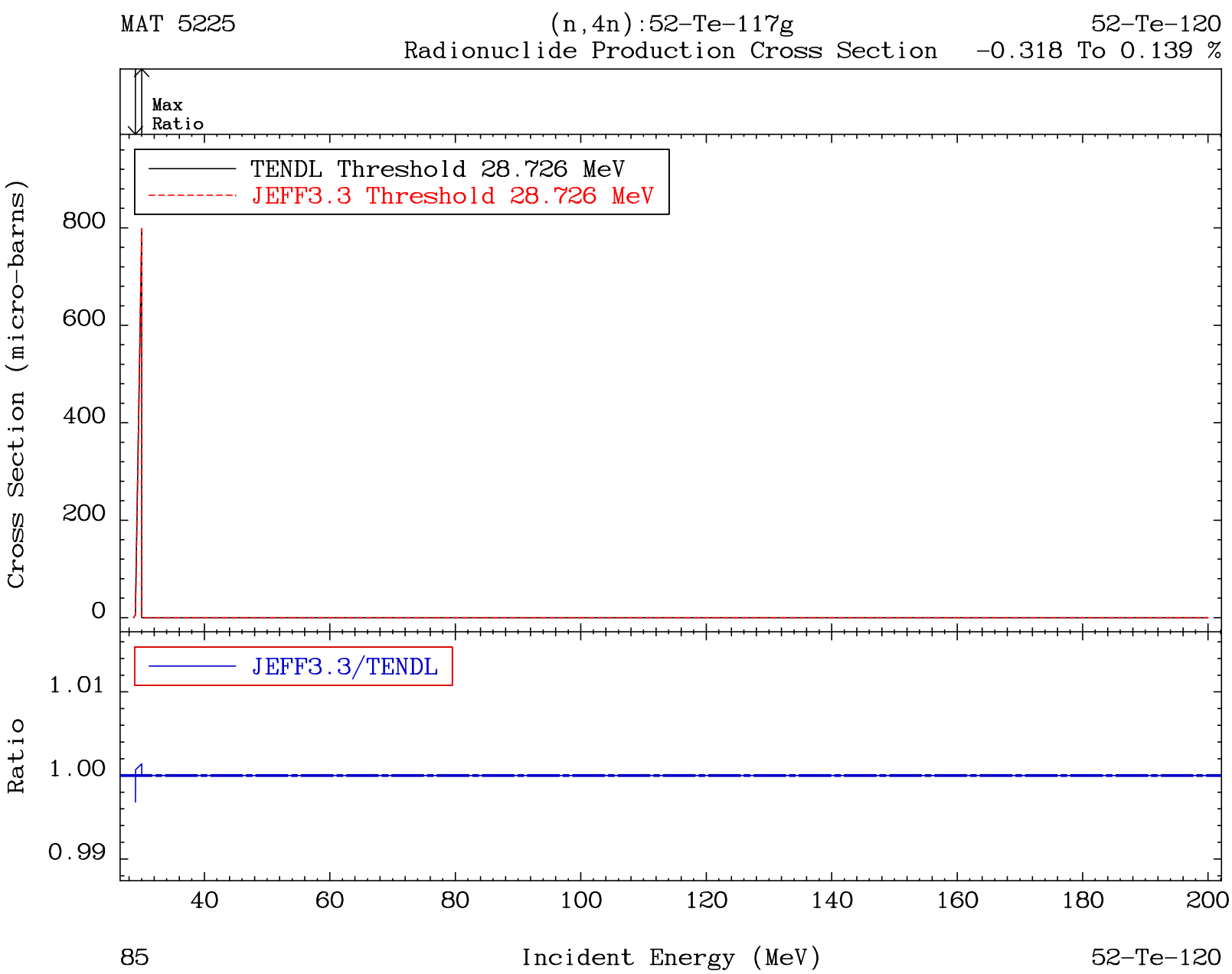

MAT 5225
(n,2n):52-Te-119g
52-Te-120
Radionuclide Production Cross Section
-0.766 To 0.244 %
Min Ratio
Max Ratio
TENDL Threshold 10.344 MeV
JEFF3.3 Threshold 10.344 MeV
Cross Section (milli-barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
10^7
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
52-Te-120

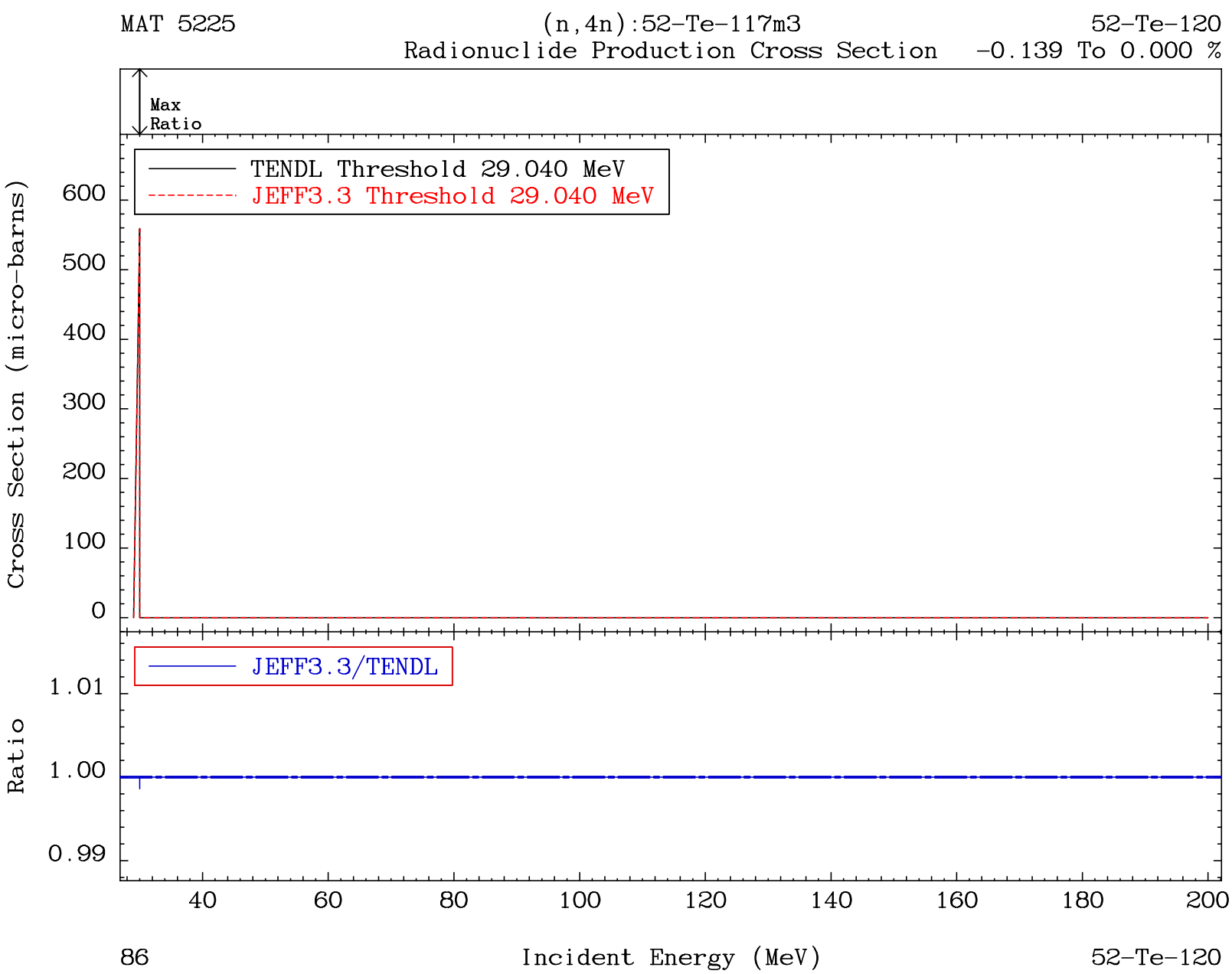

MAT 5225
(n,2n):52-Te-119m2
52-Te-120
Radionuclide Production Cross Section
-0.617 To 0.264 %
Min Ratio
Max Ratio
TENDL Threshold 10.608 MeV
JEFF3.3 Threshold 10.608 MeV
Cross Section (barns)
1.0
0.8
0.6
0.4
0.2
0.0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
81
Incident Energy (eV)
52-Te-120

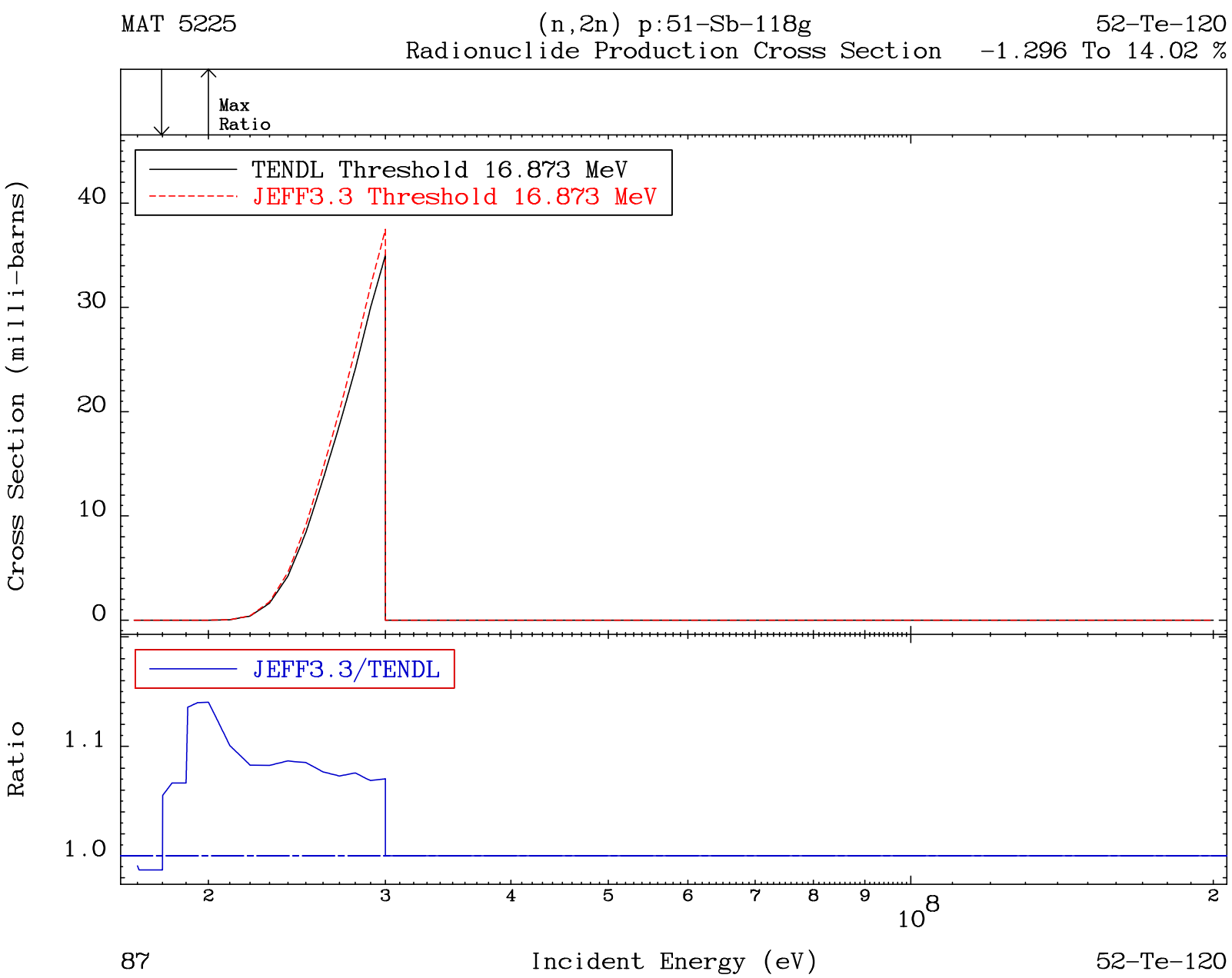

MAT 5225
(n,n') d:51-Sb-118g
52-Te-120
Radionuclide Production Cross Section
-1.283 To 8.671 %
Min Ratio
Max Ratio
TENDL Threshold 14.630 MeV
JEFF3.3 Threshold 14.630 MeV
Cross Section (milli-barns)
10
8
6
4
2
0
JEFF3.3/TENDL
Ratio
1.10
1.05
1.00
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
52-Te-120

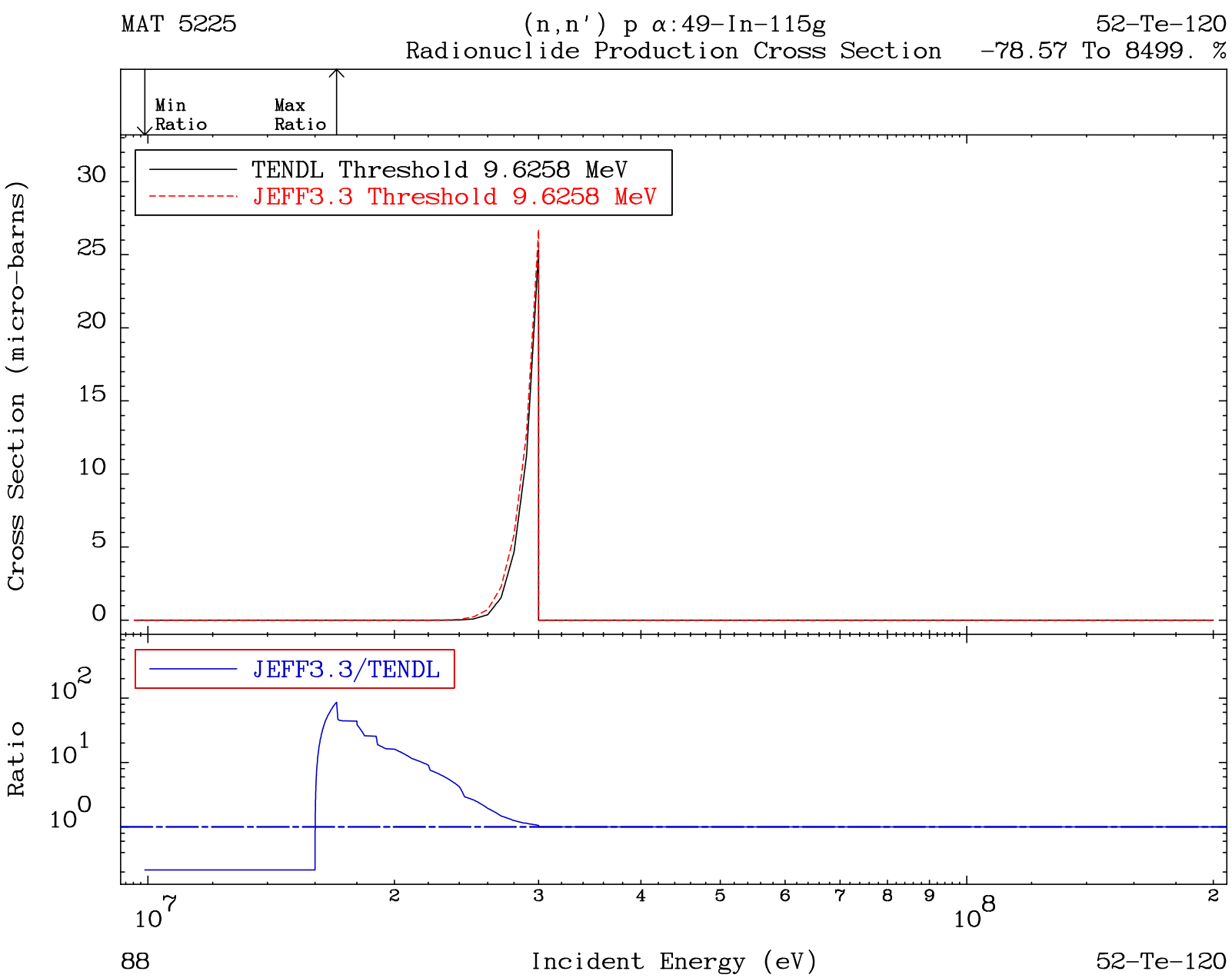

MAT 5225
(n,n') He-3:50-Sn-117g
52-Te-120
Radionuclide Production Cross Section
-0.433 To 0.110 %
Min Ratio
Max Ratio
TENDL Threshold 14.018 MeV
JEFF3.3 Threshold 14.018 MeV
Cross Section (micro-barns)
140
120
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
52-Te-120

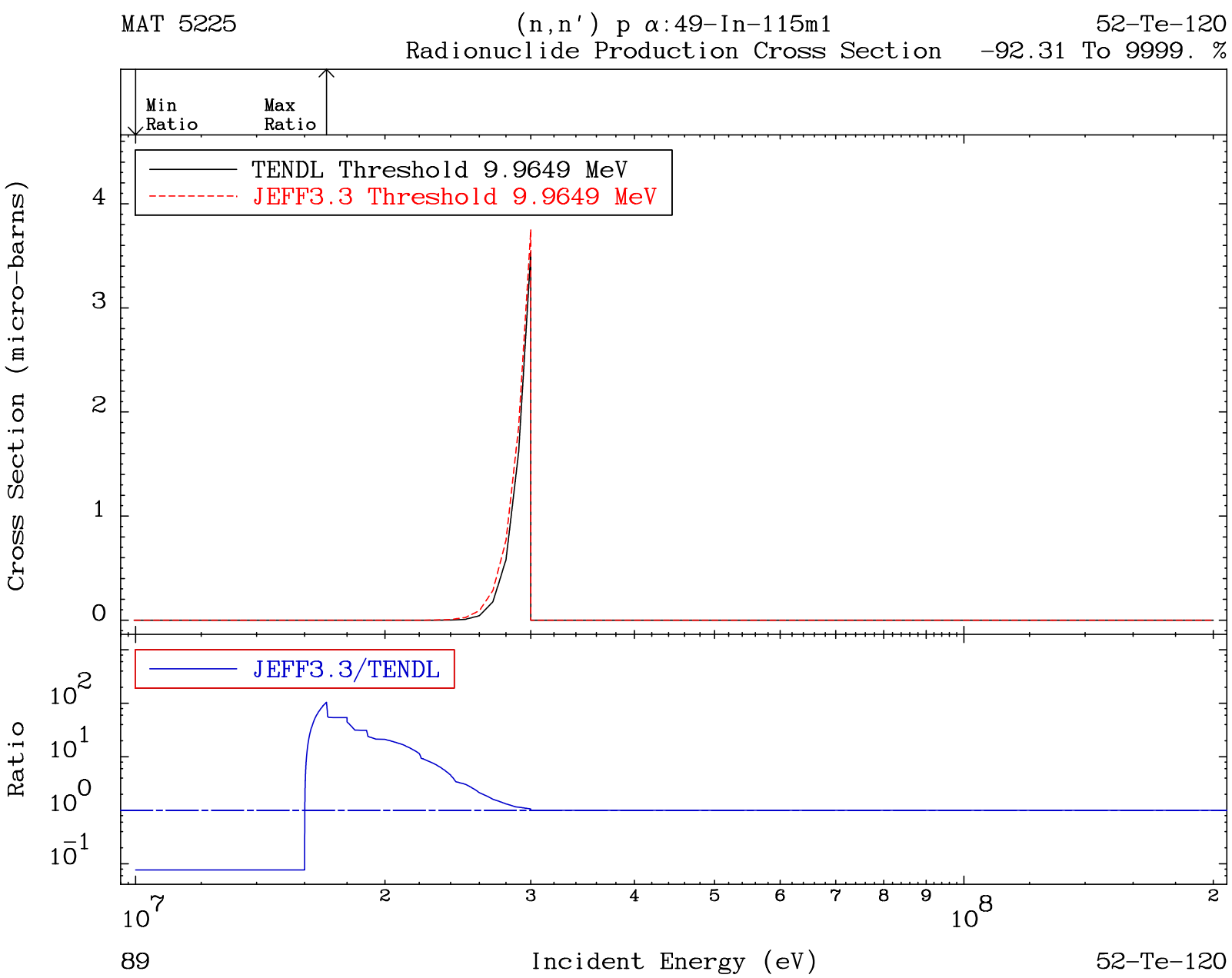

MAT 5225
(n,n') He-3:50-Sn-117m2
52-Te-120
Radionuclide Production Cross Section
-0.529 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 18.000 MeV
JEFF3.3 Threshold 18.000 MeV
Cross Section (micro-barns)
300
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
52-Te-120

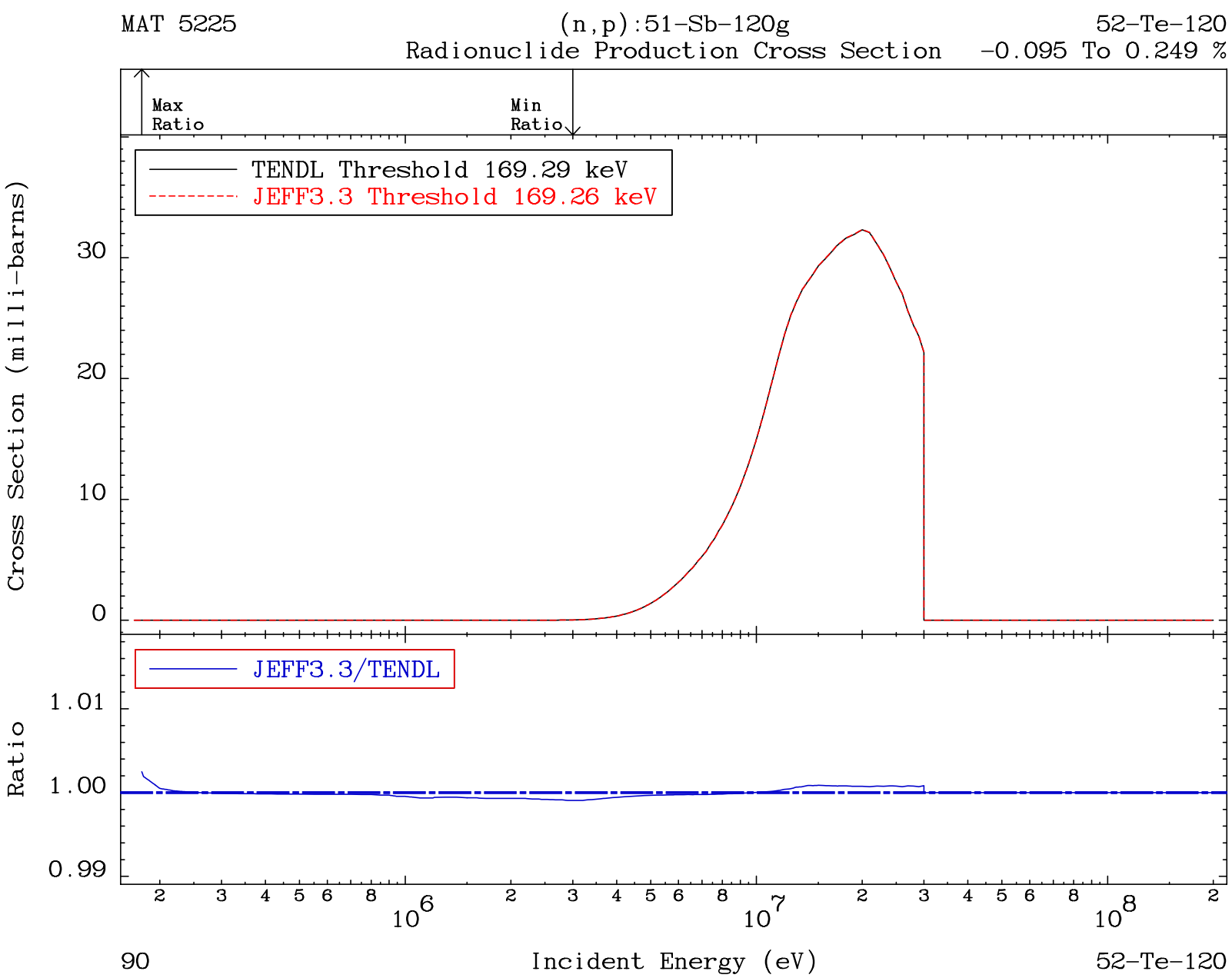

MAT 5225
(n,4n):52-Te-117g
52-Te-120
Radionuclide Production Cross Section
-0.318 To 0.139 %
Max
Ratio
TENDL Threshold 28.726 MeV
JEFF3.3 Threshold 28.726 MeV
Cross Section (micro-barns)
800
600
400
200
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
85
Incident Energy (MeV)
52-Te-120

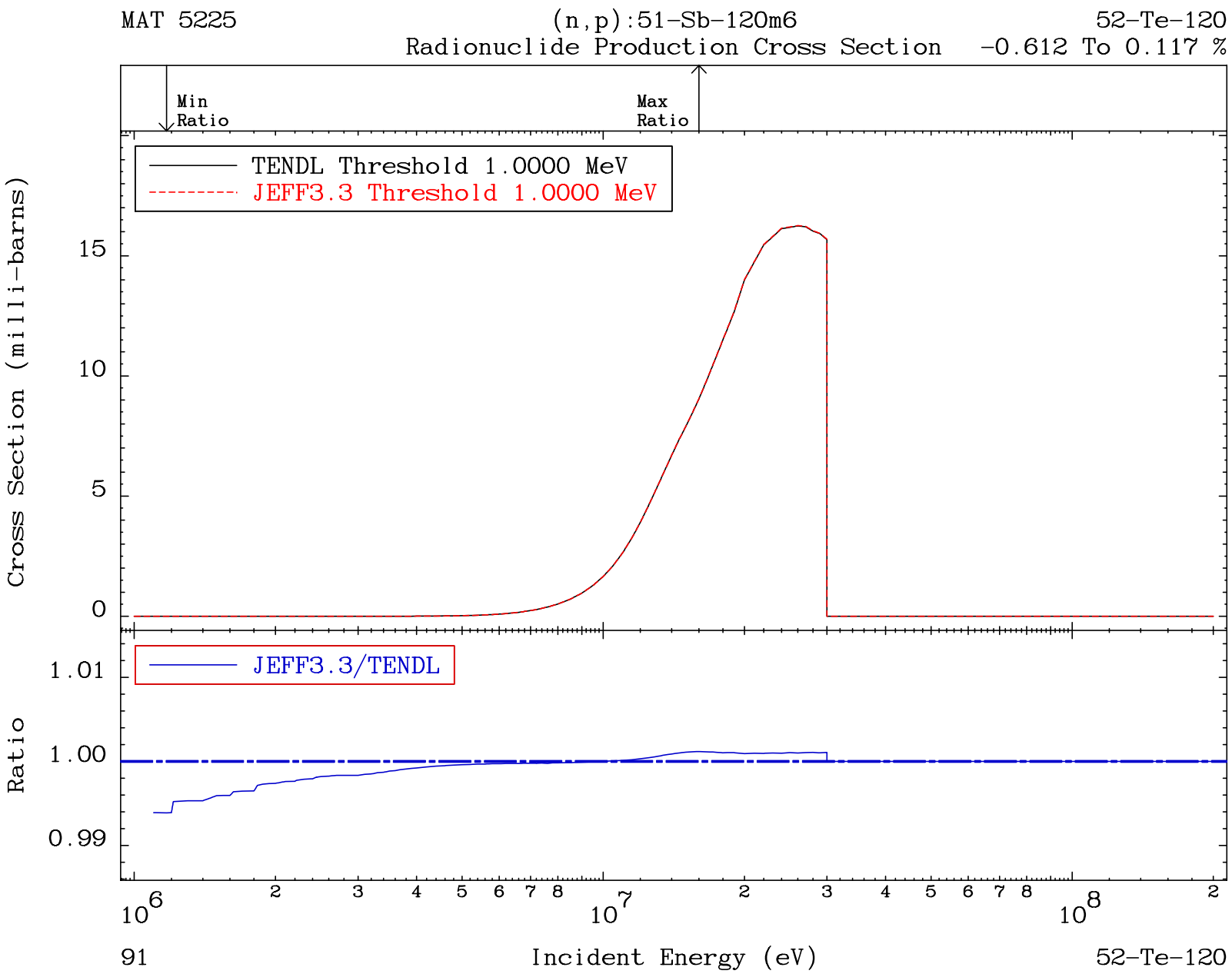

MAT 5225
(n,4n):52-Te-117m3
52-Te-120
Radionuclide Production Cross Section
-0.139 To 0.000 %
Max
Ratio
TENDL Threshold 29.040 MeV
JEFF3.3 Threshold 29.040 MeV
Cross Section (micro-barns)
600
500
400
300
200
100
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
40
60
80
100
120
140
160
180
200
86
Incident Energy (MeV)
52-Te-120

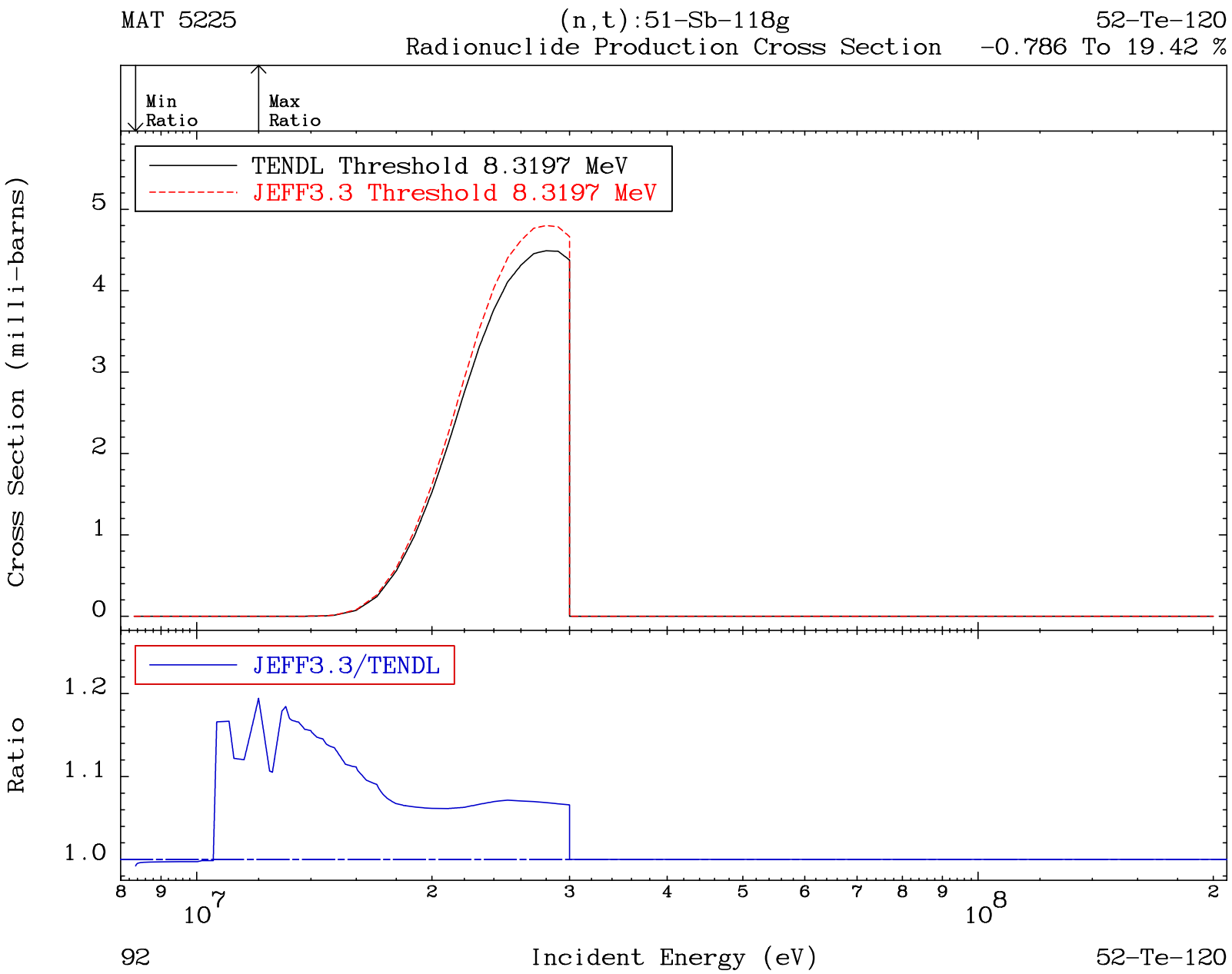

MAT 5225
(n,2n) p:51-Sb-118g
52-Te-120
Radionuclide Production Cross Section -1.296 To 14.02 %
Max
Ratio
TENDL Threshold 16.873 MeV
JEFF3.3 Threshold 16.873 MeV
Cross Section (milli-barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
1.1
1.0
2
3
4
5
6
7
8
9
10^8
2
87
Incident Energy (eV)
52-Te-120

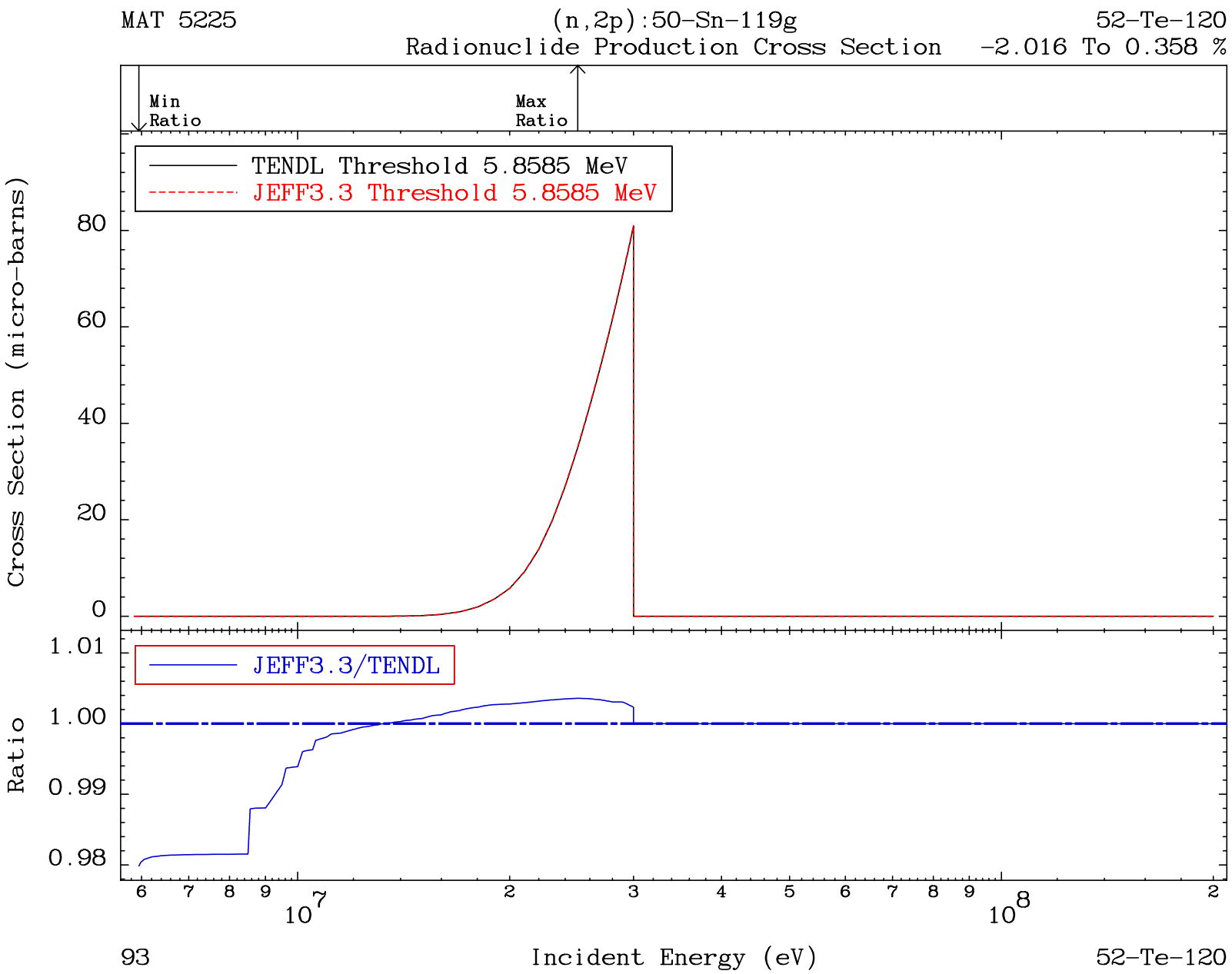

MAT 5225
(n,n') p α:49-In-115g
52-Te-120
Radionuclide Production Cross Section
-78.57 To 8499. %
Min Ratio
Max Ratio
TENDL Threshold 9.6258 MeV
JEFF3.3 Threshold 9.6258 MeV
Cross Section (micro-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
10^7
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
52-Te-120

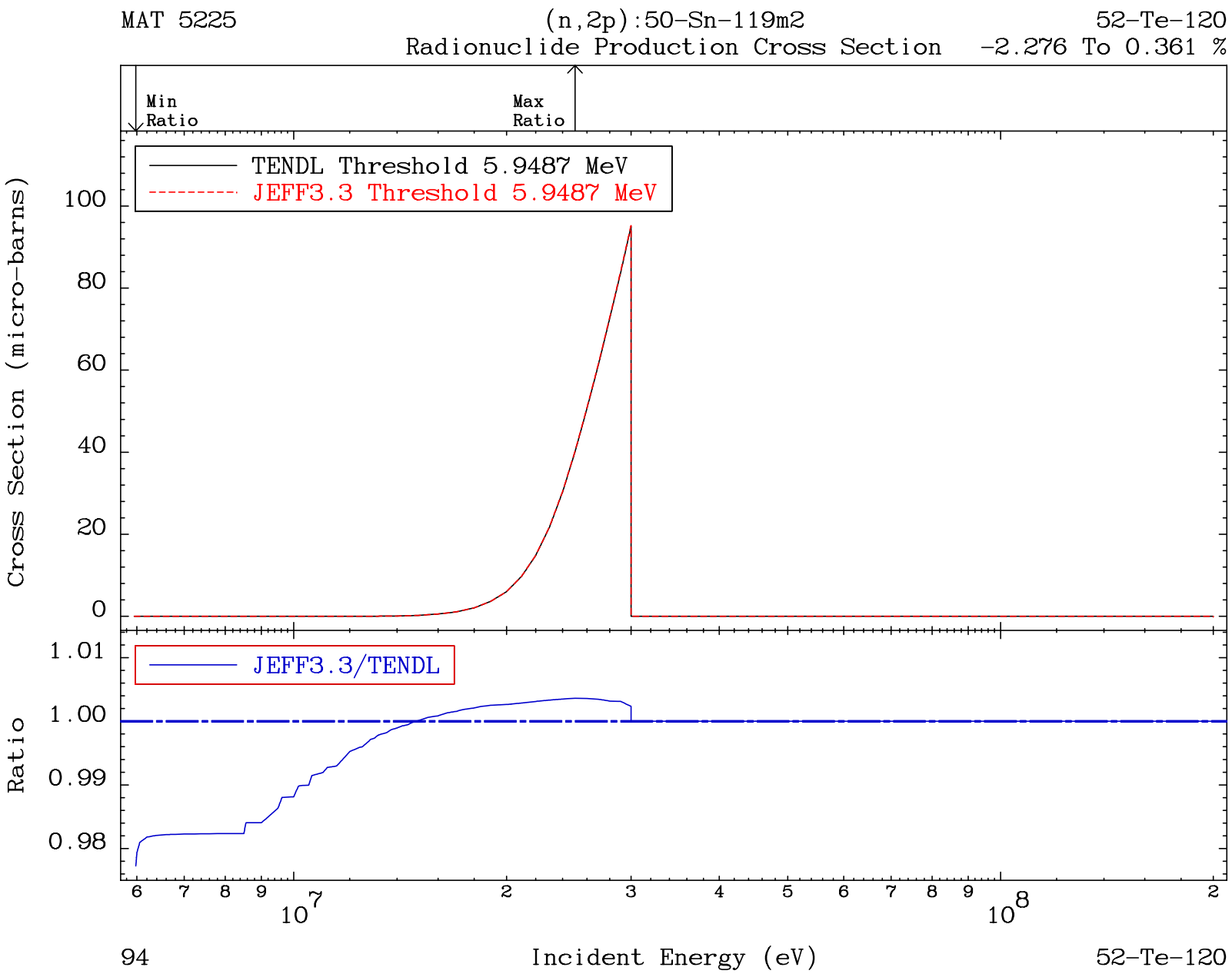

MAT 5225
(n,n') p α:49-In-115m1
52-Te-120
Radionuclide Production Cross Section
-92.31 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 9.9649 MeV
JEFF3.3 Threshold 9.9649 MeV
Cross Section (micro-barns)
0
1
2
3
4
JEFF3.3/TENDL
Ratio
10^2
10^1
10^0
10^-1
10^7
2
3
4
5
6
7
8
9
10^8
2
89
Incident Energy (eV)
52-Te-120

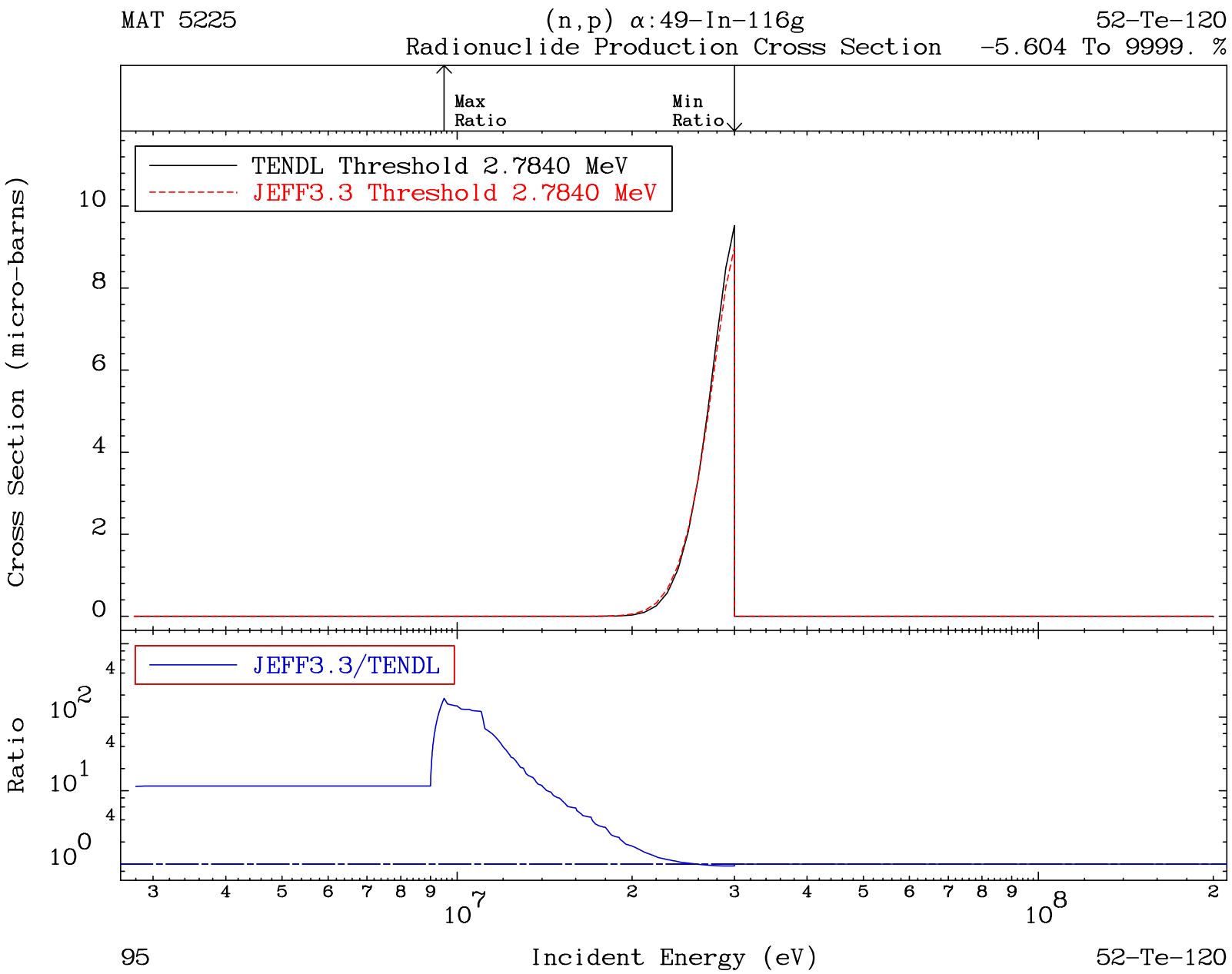

MAT 5225
(n,p):51-Sb-120g
52-Te-120
Radionuclide Production Cross Section
-0.095 To 0.249 %
Max Ratio
Min Ratio
TENDL Threshold 169.29 keV
JEFF3.3 Threshold 169.26 keV
Cross Section (milli-barns)
30
20
10
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
2 3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
90
Incident Energy (eV)
52-Te-120

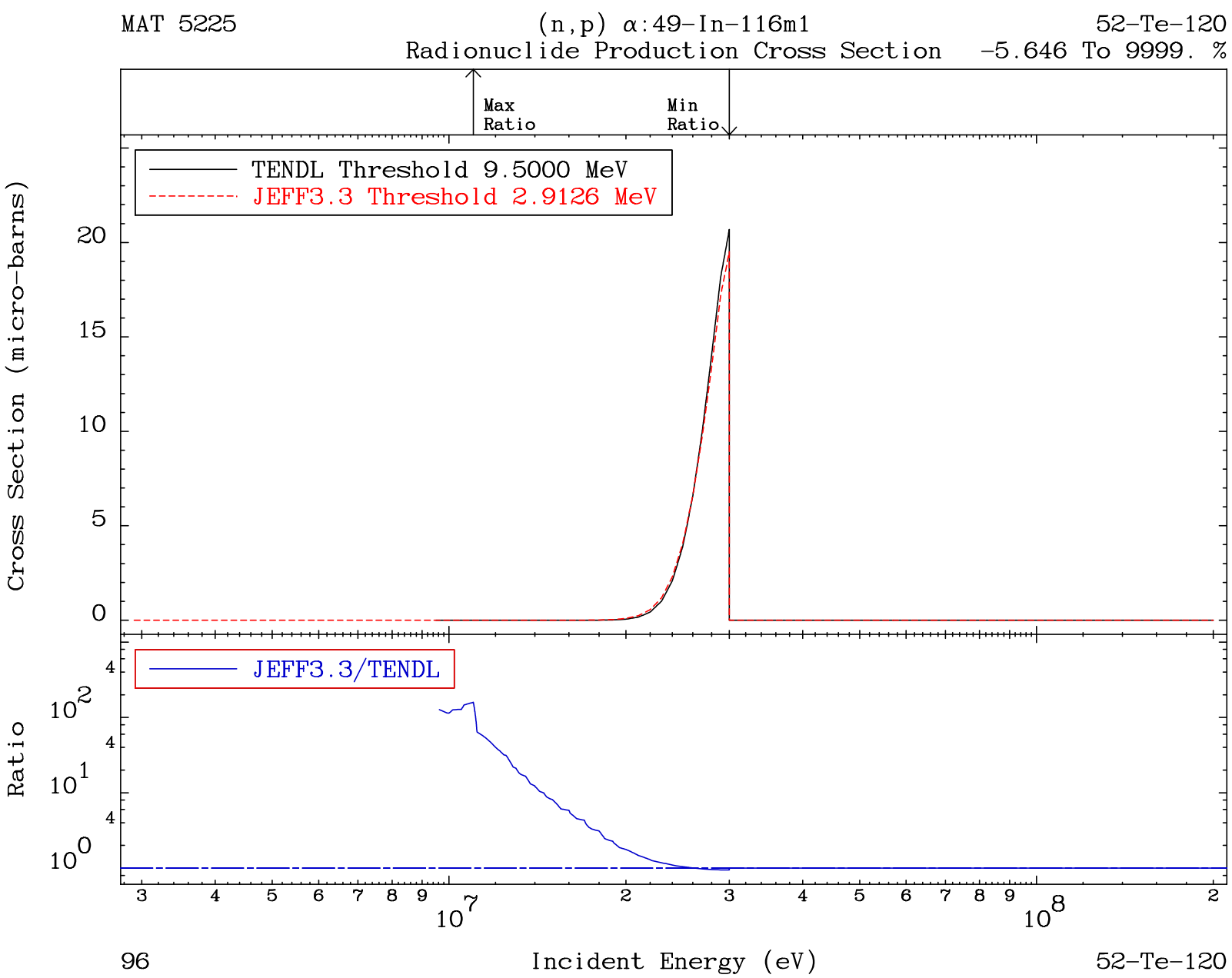

MAT 5225
(n,p):51-Sb-120m6
52-Te-120
Radionuclide Production Cross Section
-0.612 To 0.117 %
Min Ratio
Max Ratio
TENDL Threshold 1.0000 MeV
JEFF3.3 Threshold 1.0000 MeV
Cross Section (milli-barns)
15
10
5
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
10^6
2
3
4
5
6
7
8
10^7
2
3
4
5
6
7
8
10^8
2
91
Incident Energy (eV)
52-Te-120

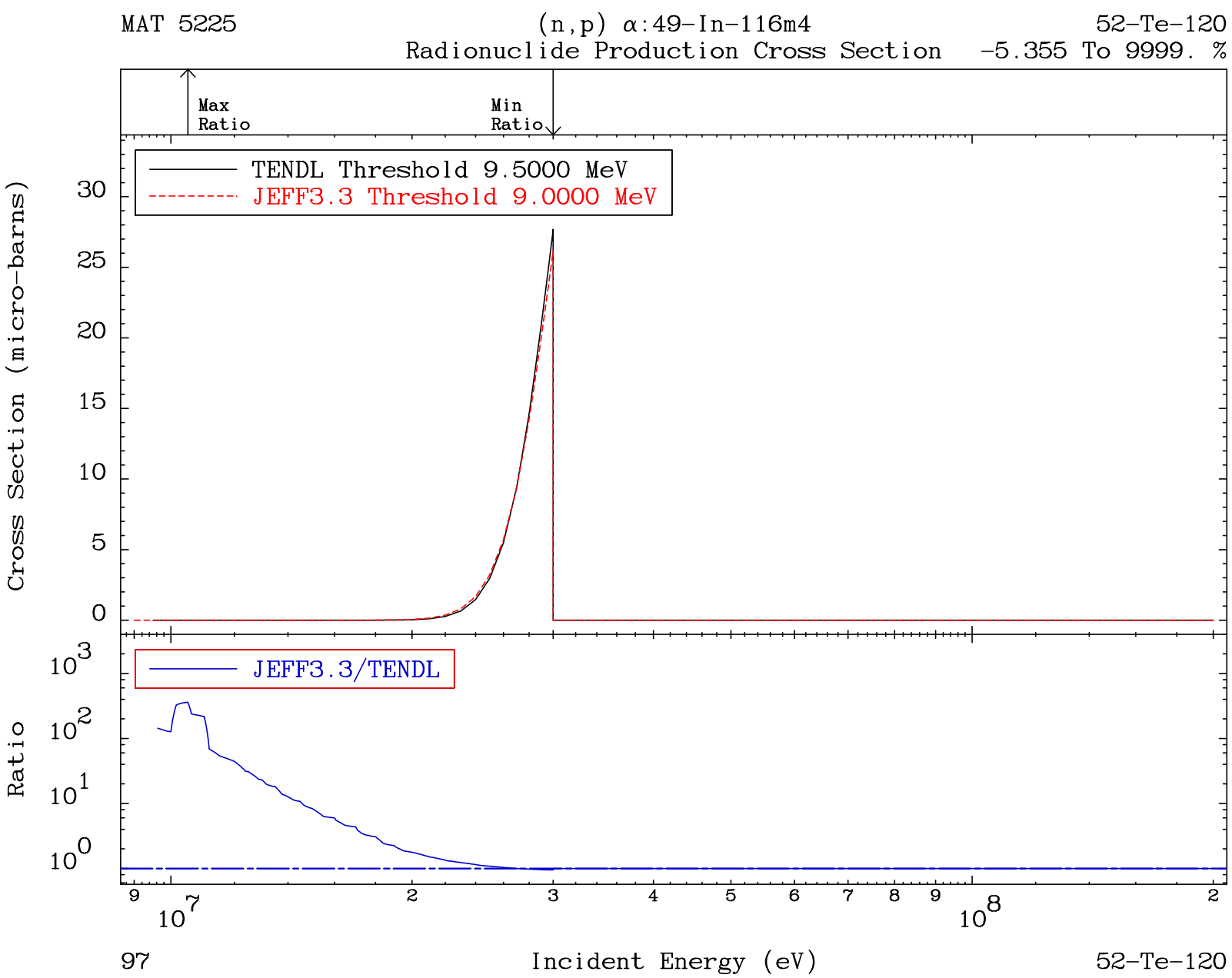

MAT 5225
(n,t):51-Sb-118g
52-Te-120
Radionuclide Production Cross Section
-0.786 To 19.42 %
Min Ratio
Max Ratio
TENDL Threshold 8.3197 MeV
JEFF3.3 Threshold 8.3197 MeV
Cross Section (milli-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
92
52-Te-120

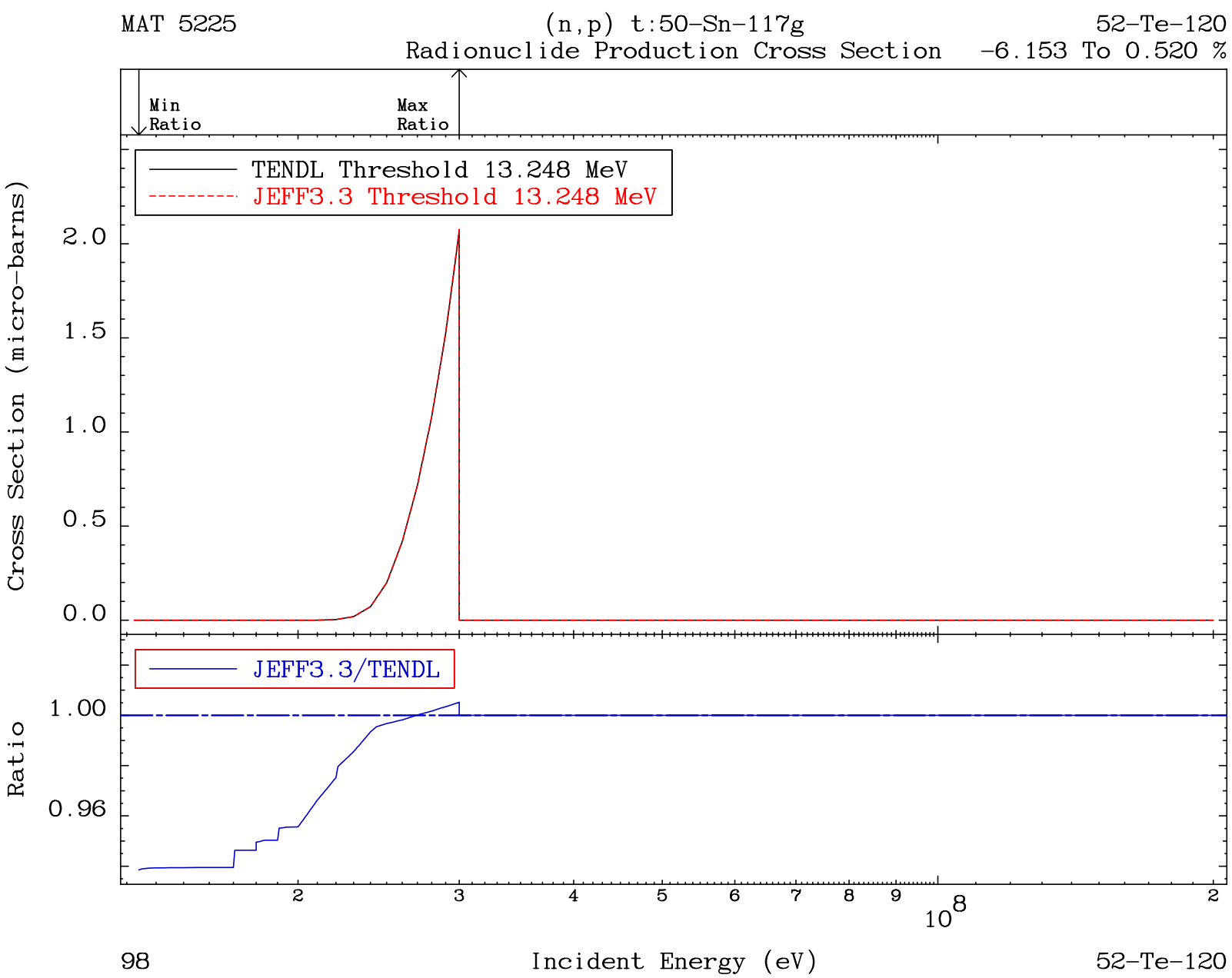

MAT 5225
(n,2p):50-Sn-119g
52-Te-120
Radionuclide Production Cross Section
-2.016 To 0.358 %
Min Ratio
Max Ratio
TENDL Threshold 5.8585 MeV
JEFF3.3 Threshold 5.8585 MeV
Cross Section (micro-barns)
0
20
40
60
80
JEFF3.3/TENDL
Ratio
0.98
0.99
1.00
1.01
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
93
Incident Energy (eV)
52-Te-120

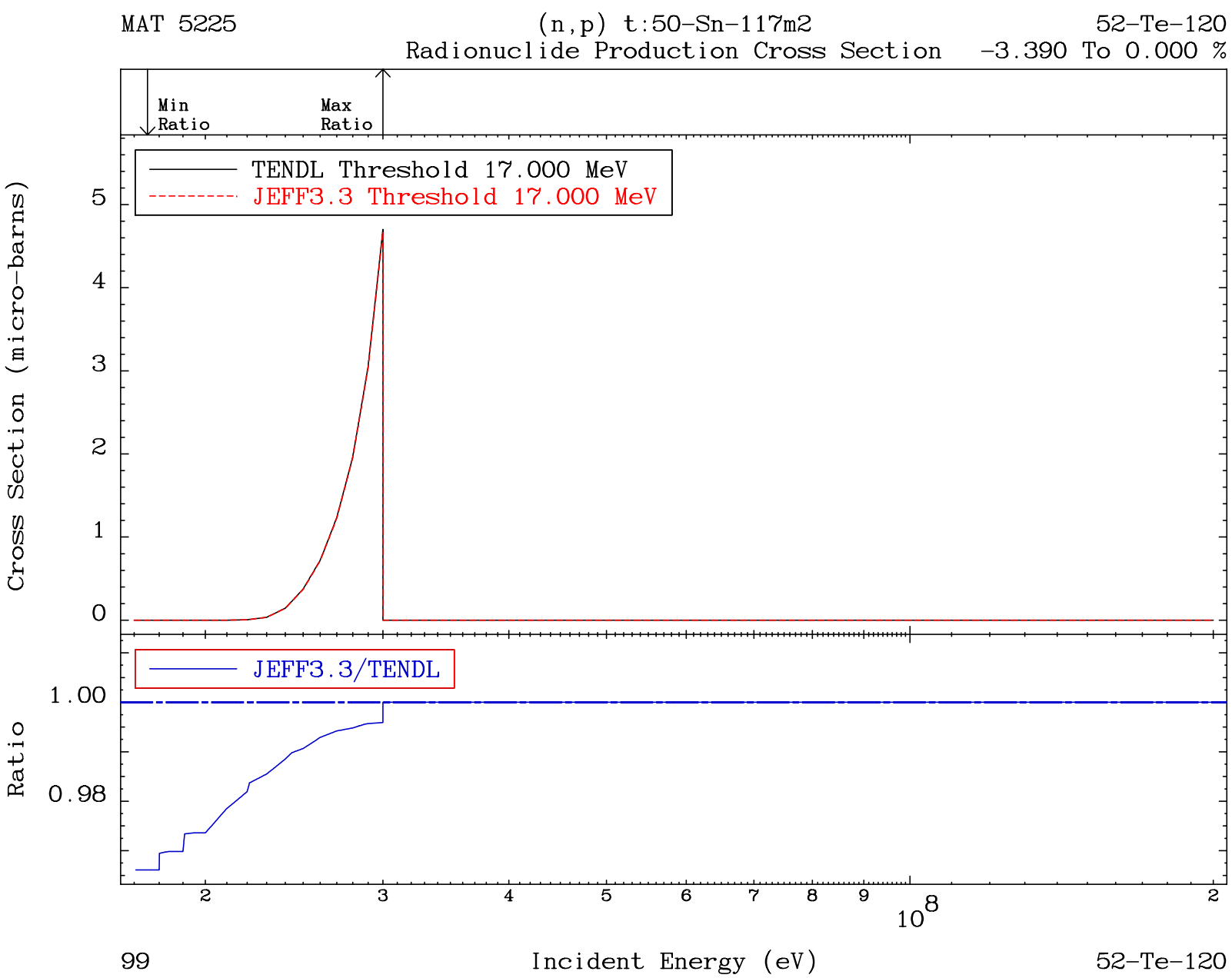

MAT 5225
(n,2p):50-Sn-119m2
52-Te-120
Radionuclide Production Cross Section
-2.276 To 0.361 %
Min Ratio
Max Ratio
TENDL Threshold 5.9487 MeV
JEFF3.3 Threshold 5.9487 MeV
Cross Section (micro-barns)
100
80
60
40
20
0
JEFF3.3/TENDL
Ratio
1.01
1.00
0.99
0.98
6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
94
Incident Energy (eV)
52-Te-120

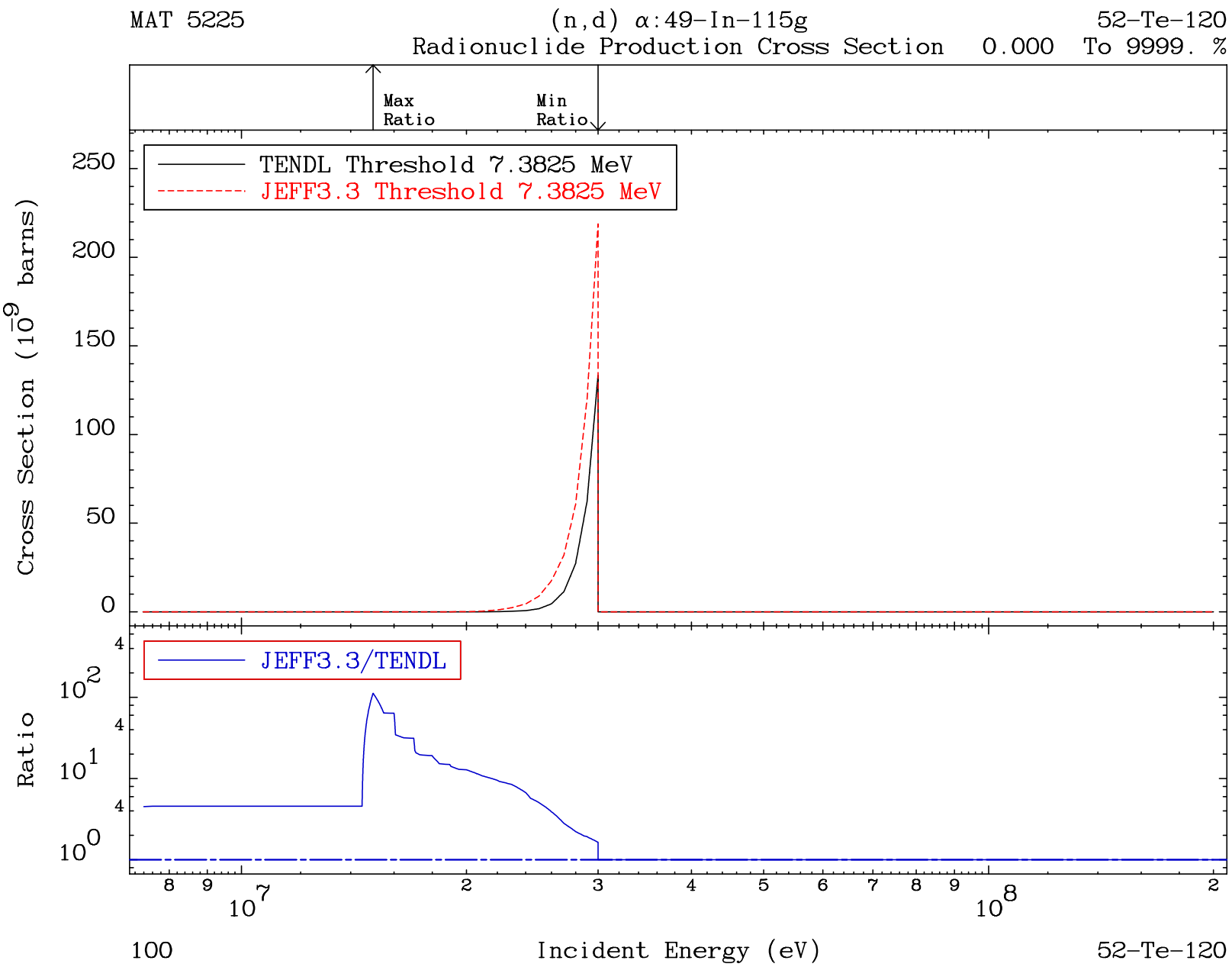

MAT 5225
(n,p) α:49-In-116g
52-Te-120
Radionuclide Production Cross Section
-5.604 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 2.7840 MeV
JEFF3.3 Threshold 2.7840 MeV
Cross Section (micro-barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
95
52-Te-120

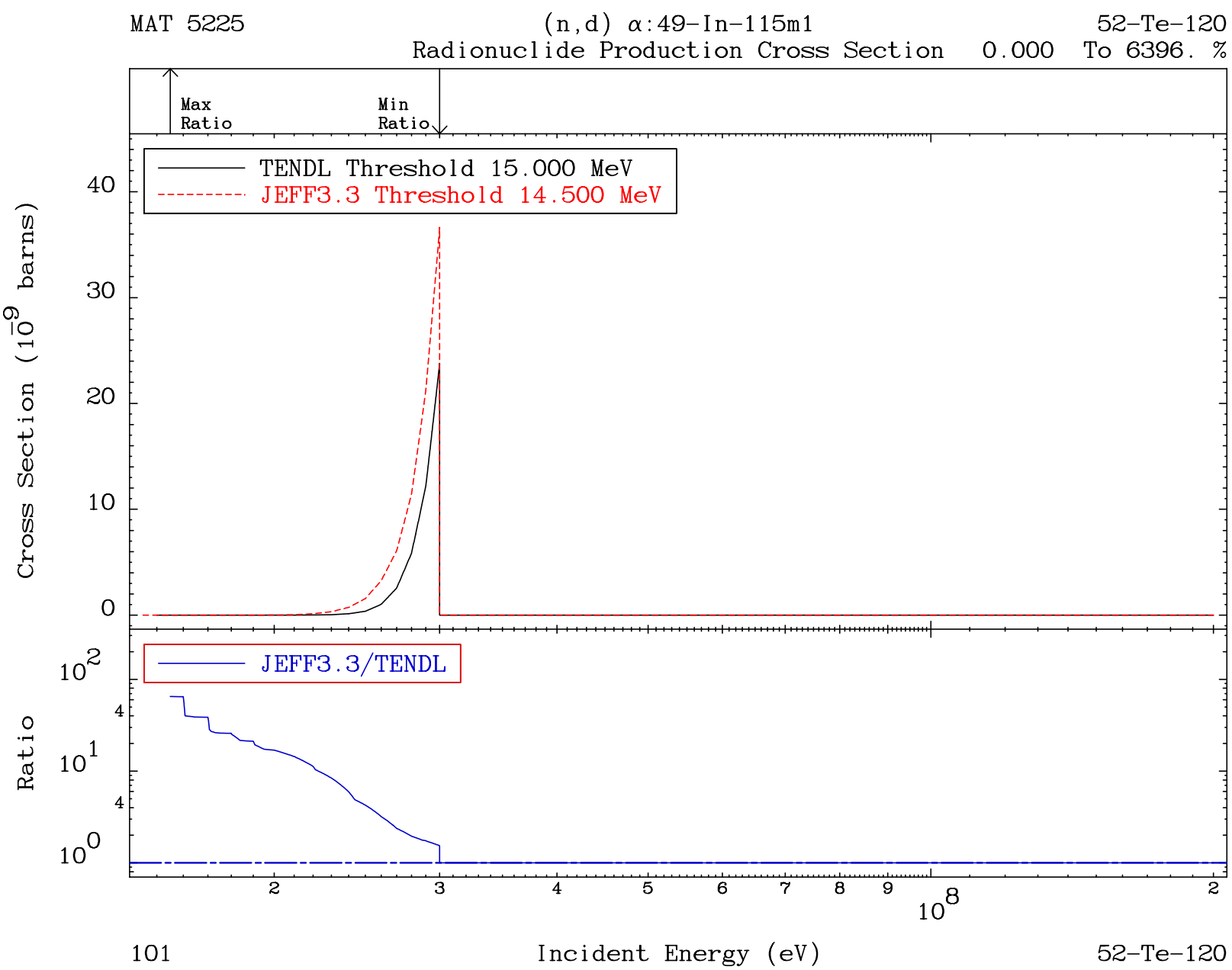

MAT 5225
(n,p) α:49-In-116m1
52-Te-120
Radionuclide Production Cross Section -5.646 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.5000 MeV
JEFF3.3 Threshold 2.9126 MeV
Cross Section (micro-barns)
0
5
10
15
20
JEFF3.3/TENDL
Ratio
10^0
10^1
10^2
3 4 5 6 7 8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
96
52-Te-120


MAT 5225
(n,p) α:49-In-116m4
52-Te-120
Radionuclide Production Cross Section -5.355 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 9.5000 MeV
JEFF3.3 Threshold 9.0000 MeV
Cross Section (micro-barns)
30
25
20
15
10
5
0
JEFF3.3/TENDL
Ratio
10^3
10^2
10^1
10^0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
97
Incident Energy (eV)
52-Te-120


MAT 5225
(n,p) t:50-Sn-117g
52-Te-120
Radionuclide Production Cross Section
-6.153 To 0.520 %
Min Ratio
Max Ratio
TENDL Threshold 13.248 MeV
JEFF3.3 Threshold 13.248 MeV
Cross Section (micro-barns)
2.0
1.5
1.0
0.5
0.0
JEFF3.3/TENDL
Ratio
1.00
0.96
2
3
4
5
6
7
8
9
10^8
2
98
Incident Energy (eV)
52-Te-120


MAT 5225
(n,p) t:50-Sn-117m2
52-Te-120
Radionuclide Production Cross Section
-3.390 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 17.000 MeV
JEFF3.3 Threshold 17.000 MeV
Cross Section (micro-barns)
0
1
2
3
4
5
JEFF3.3/TENDL
Ratio
1.00
0.98
2
3
4
5
6
7
8
9
10^8
2
99
Incident Energy (eV)
52-Te-120


MAT 5225
(n,d) α:49-In-115g
52-Te-120
Radionuclide Production Cross Section 0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 7.3825 MeV
JEFF3.3 Threshold 7.3825 MeV
Cross Section (10^{-9} barns)
250
200
150
100
50
0
JEFF3.3/TENDL
Ratio
10^{2}
10^{1}
10^{0}
4
4
4
8 9 10^{7} 2 3 4 5 6 7 8 9 10^{8} 2
100
Incident Energy (eV)
52-Te-120


MAT 5225
(n,d) α:49-In-115m1
52-Te-120
Radionuclide Production Cross Section 0.000 To 6396. %
Max Ratio
Min Ratio
TENDL Threshold 15.000 MeV
JEFF3.3 Threshold 14.500 MeV
Cross Section (10^{-9} barns)
40
30
20
10
0
JEFF3.3/TENDL
Ratio
10^{2}
4
10^{1}
4
10^{0}
2
3
4
5
6
7
8
9
10^{8}
2
101
Incident Energy (eV)
52-Te-120