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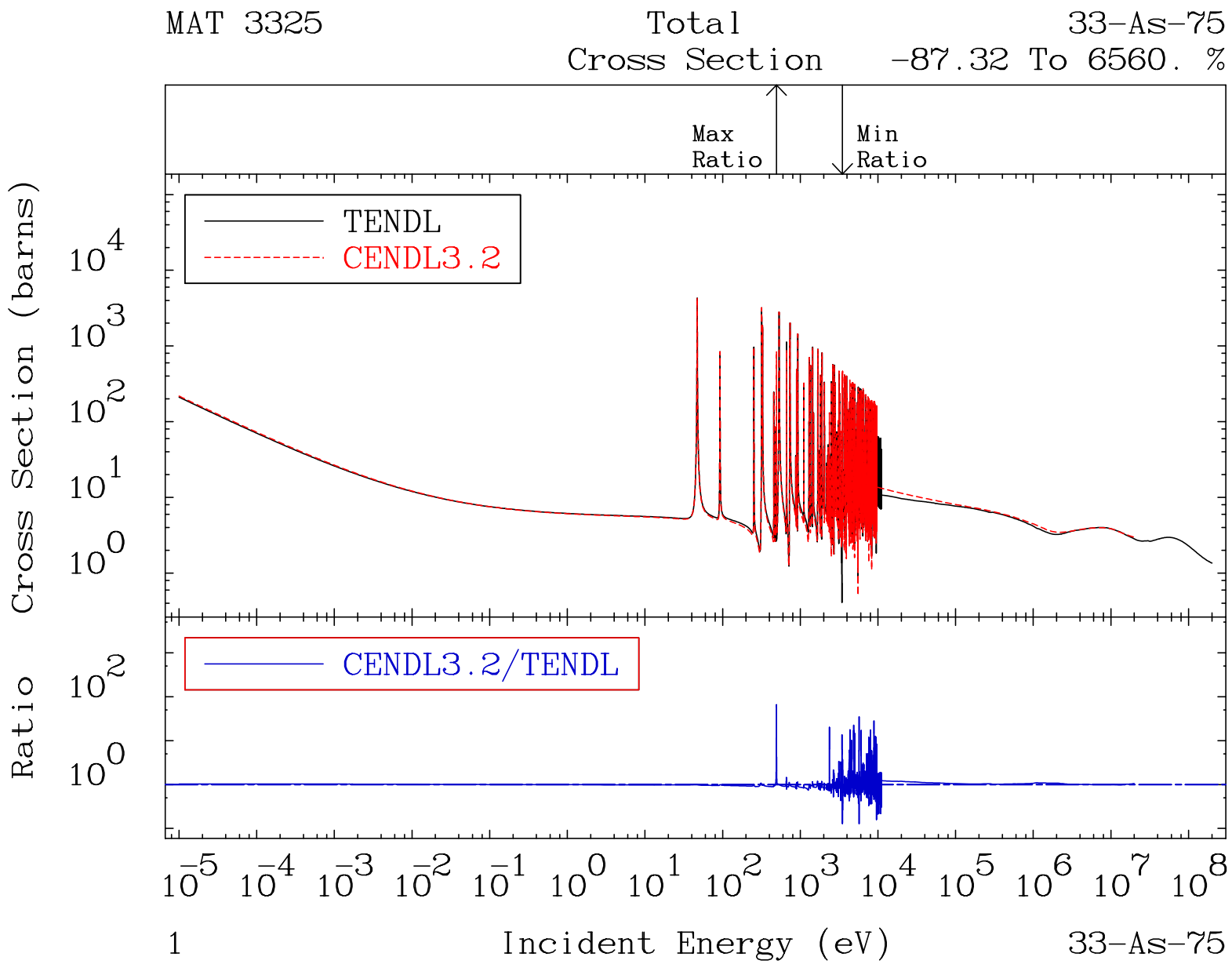
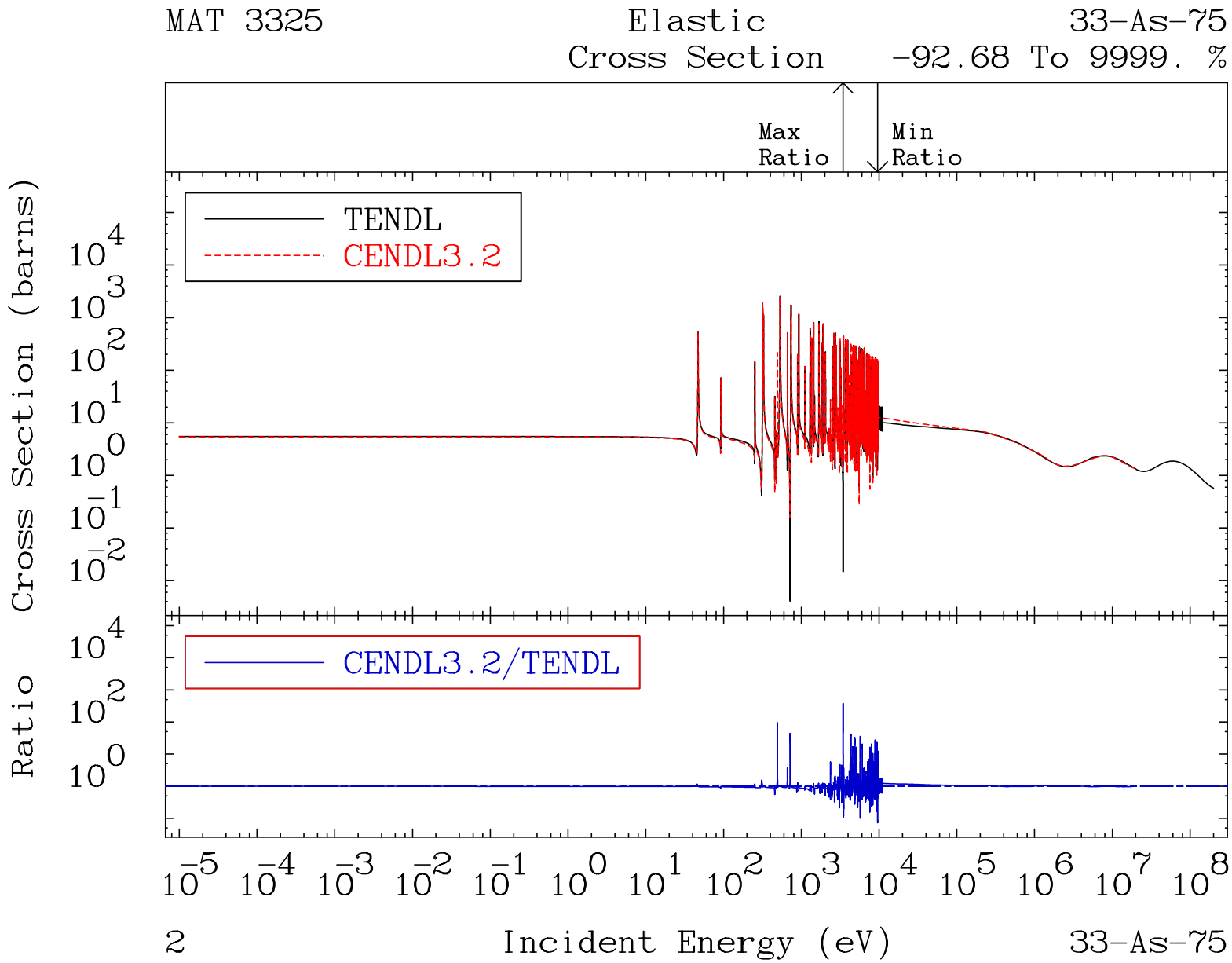
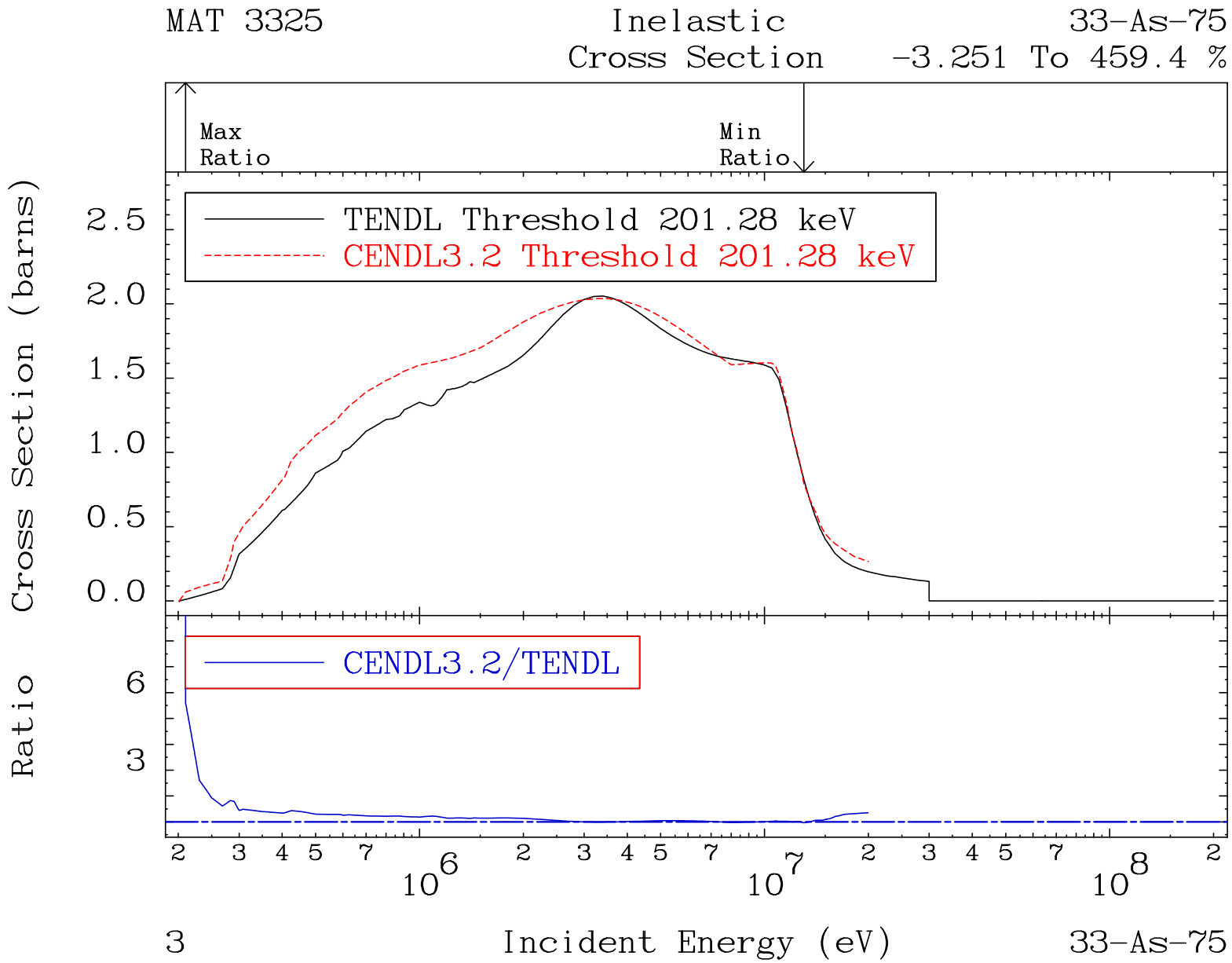
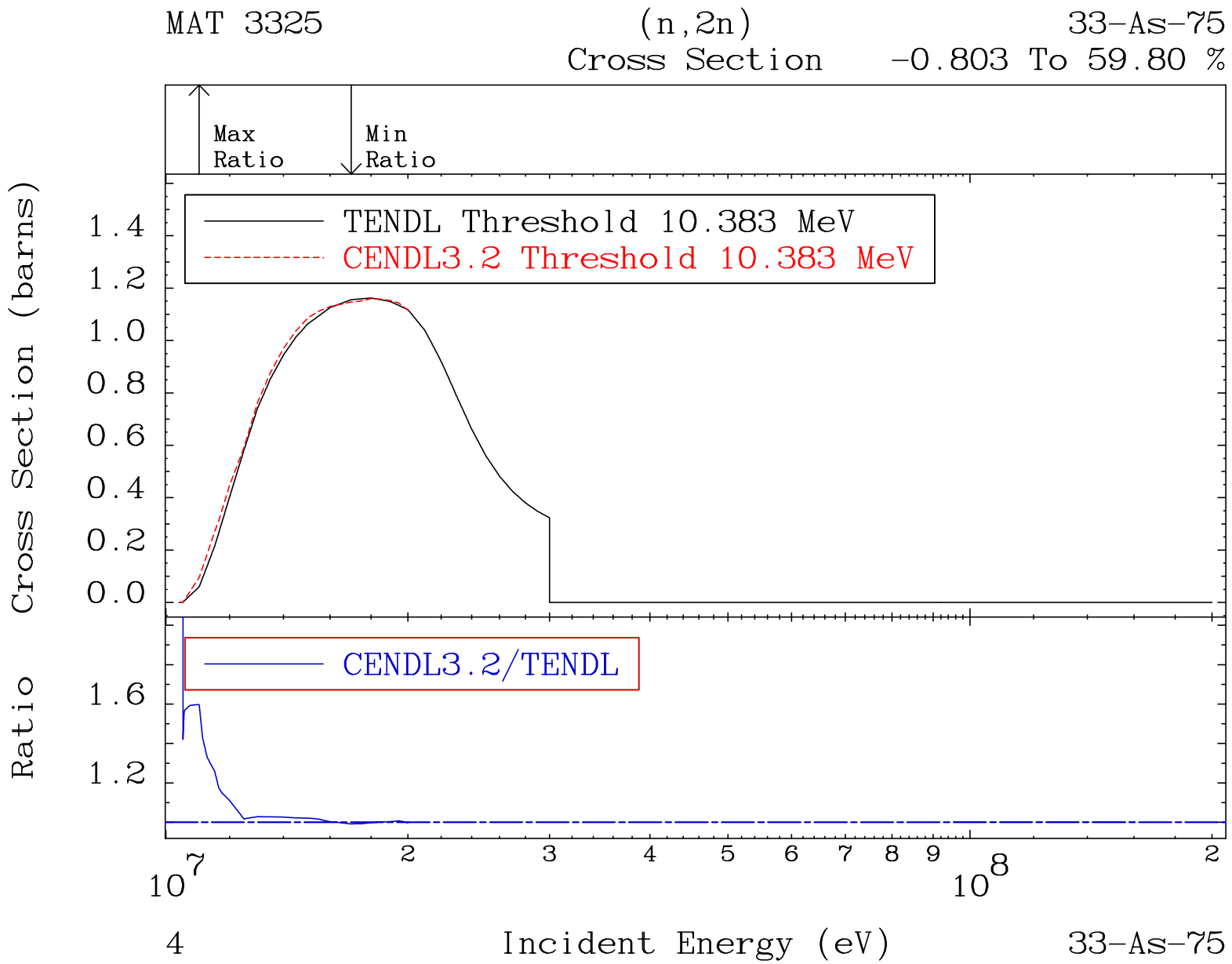
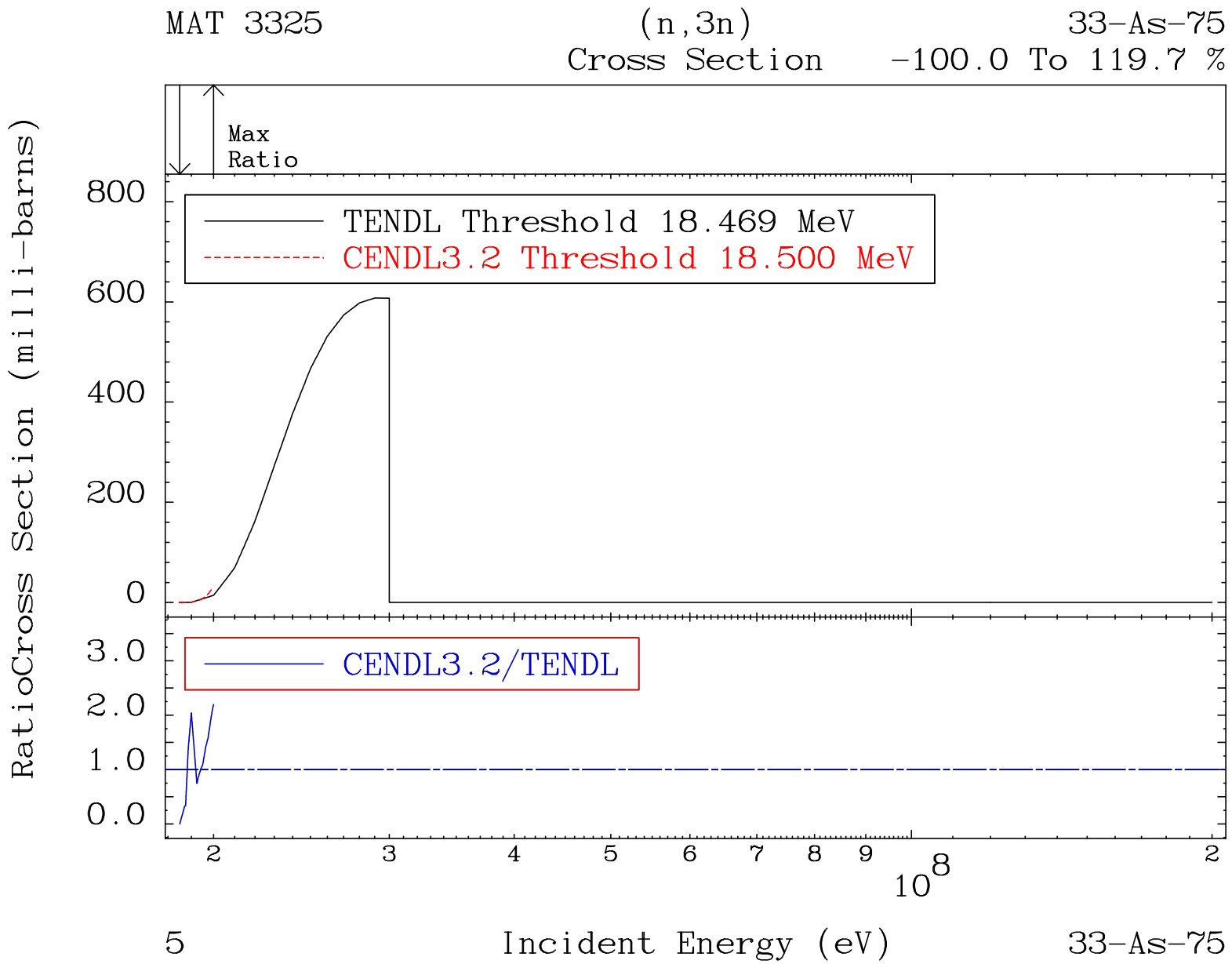
Press Mouse Button to Start

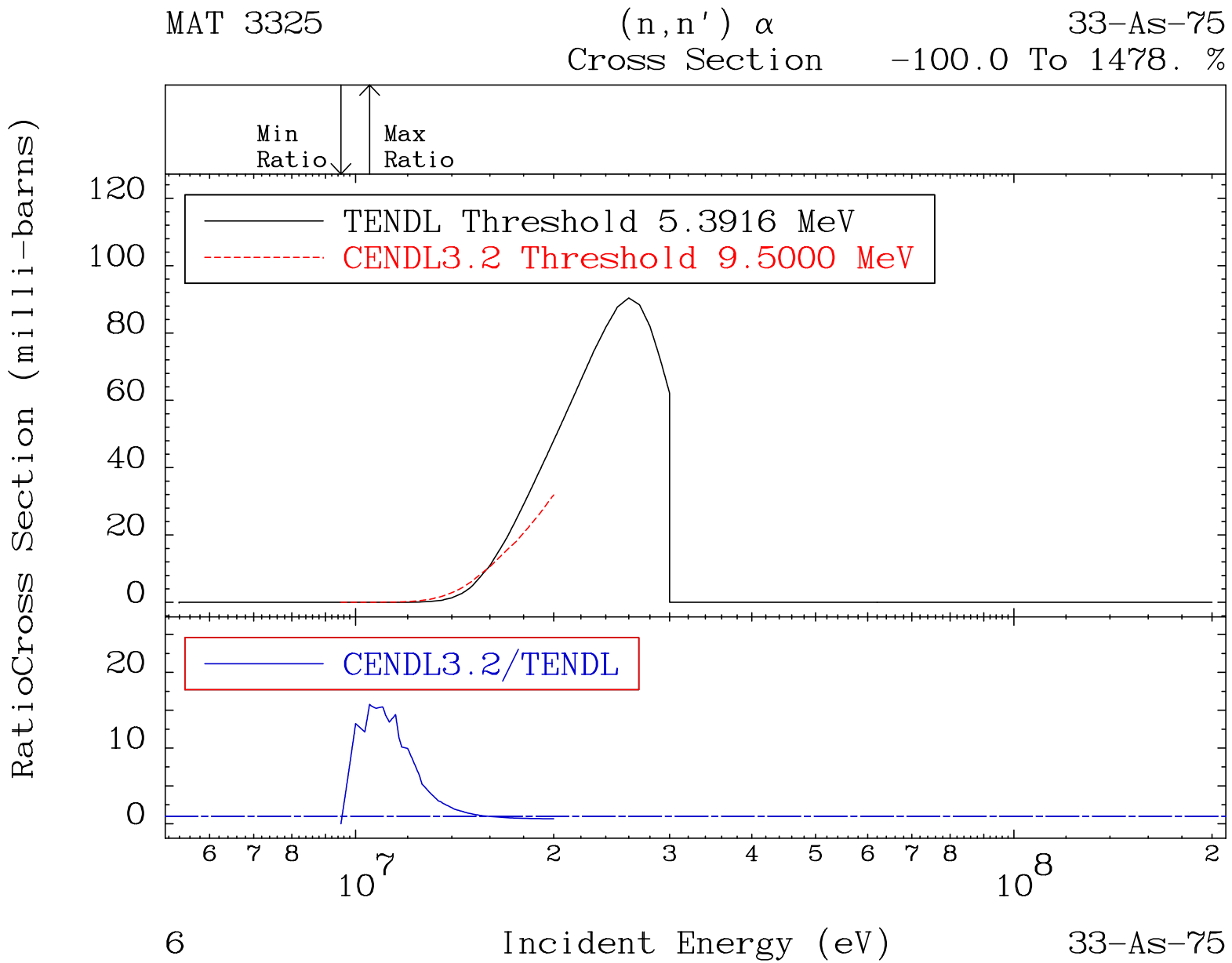

MAT 3325
Total
Cross Section
33-As-75
-87.32 To 6560. %
Max
Ratio
Min
Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
1
33-As-75

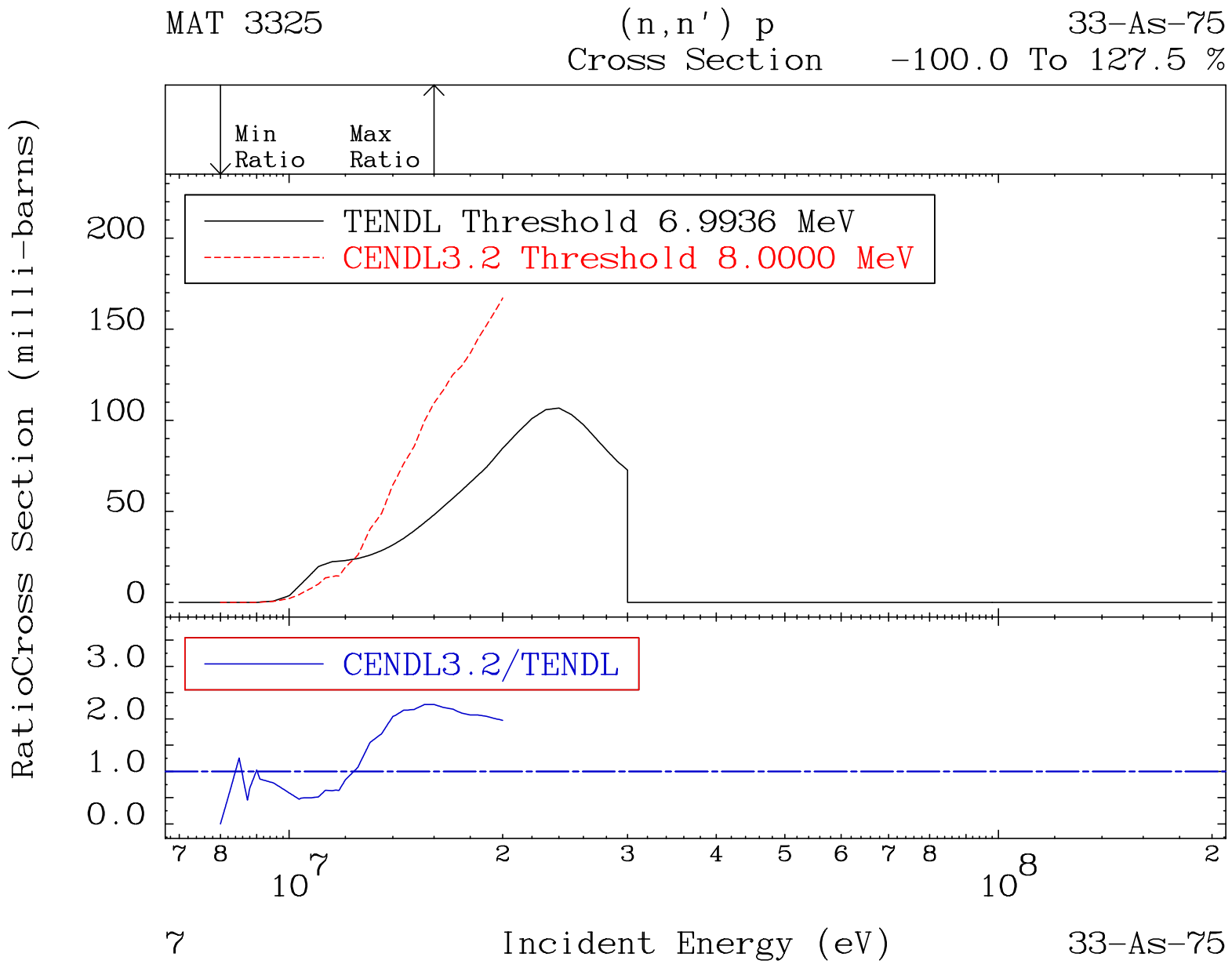

MAT 3325
Elastic
Cross Section
33-As-75
-92.68 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
33-As-75

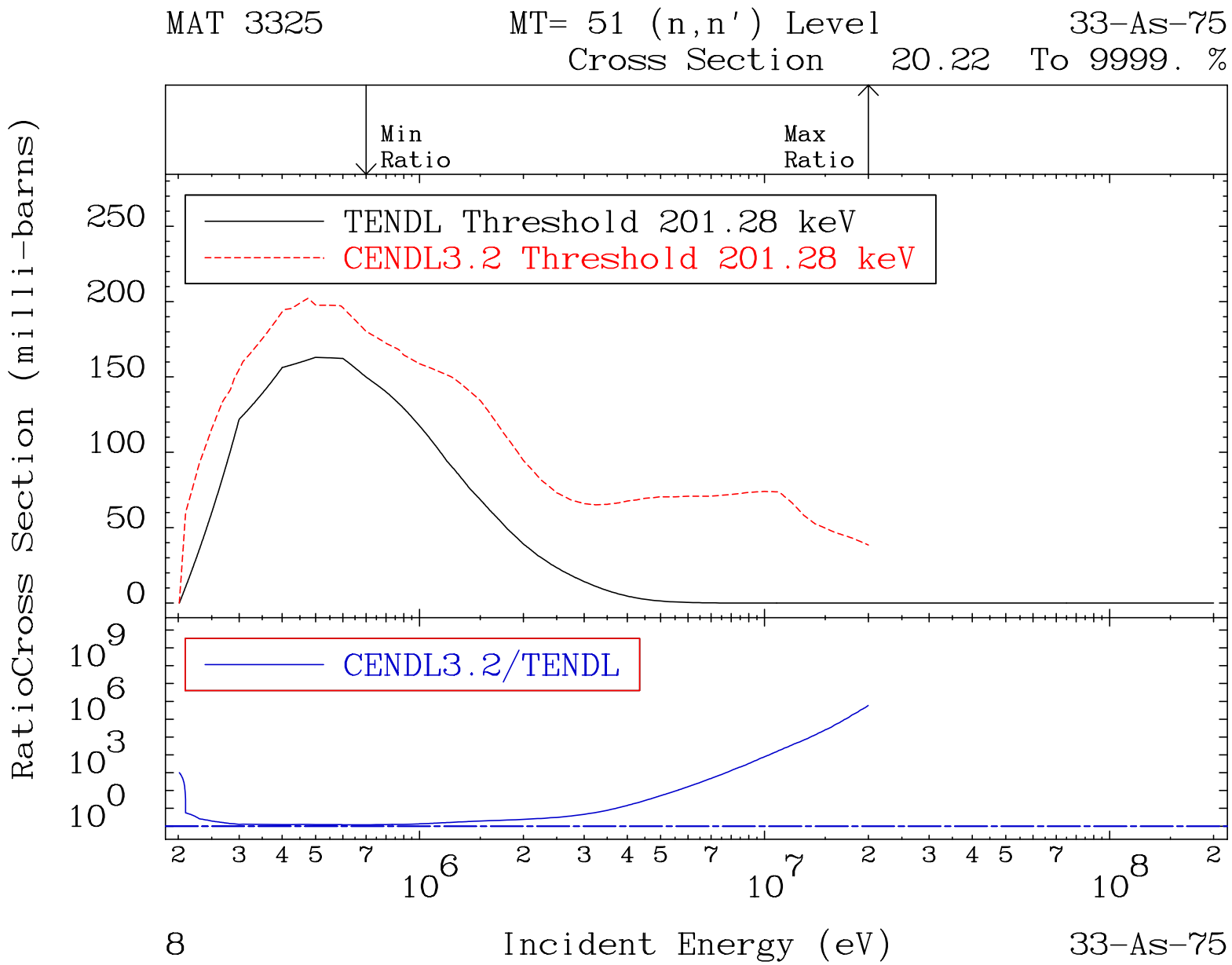

MAT 3325
Inelastic
Cross Section
33-As-75
-3.251 To 459.4 %
Max
Ratio
Min
Ratio
TENDL Threshold 201.28 keV
CENDL3.2 Threshold 201.28 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
6
3
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
3
Incident Energy (eV)
33-As-75

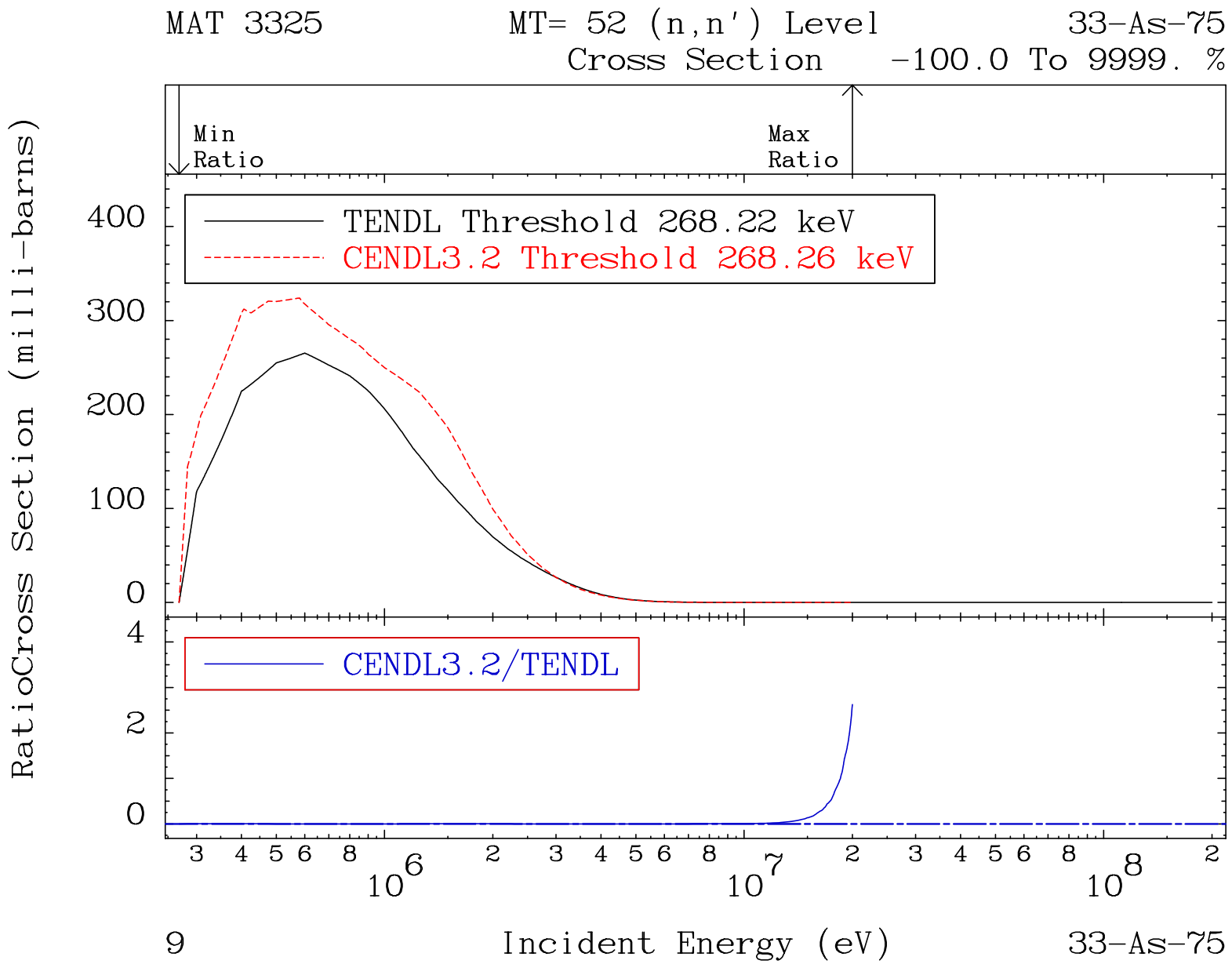

MAT 3325
(n,2n)
Cross Section
33-As-75
-0.803 To 59.80 %
Max Ratio
Min Ratio
TENDL Threshold 10.383 MeV
CENDL3.2 Threshold 10.383 MeV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1.6
1.2
10^7
2
3
4
5
6
7
8
9
10^8
2
Incident Energy (eV)
4
33-As-75

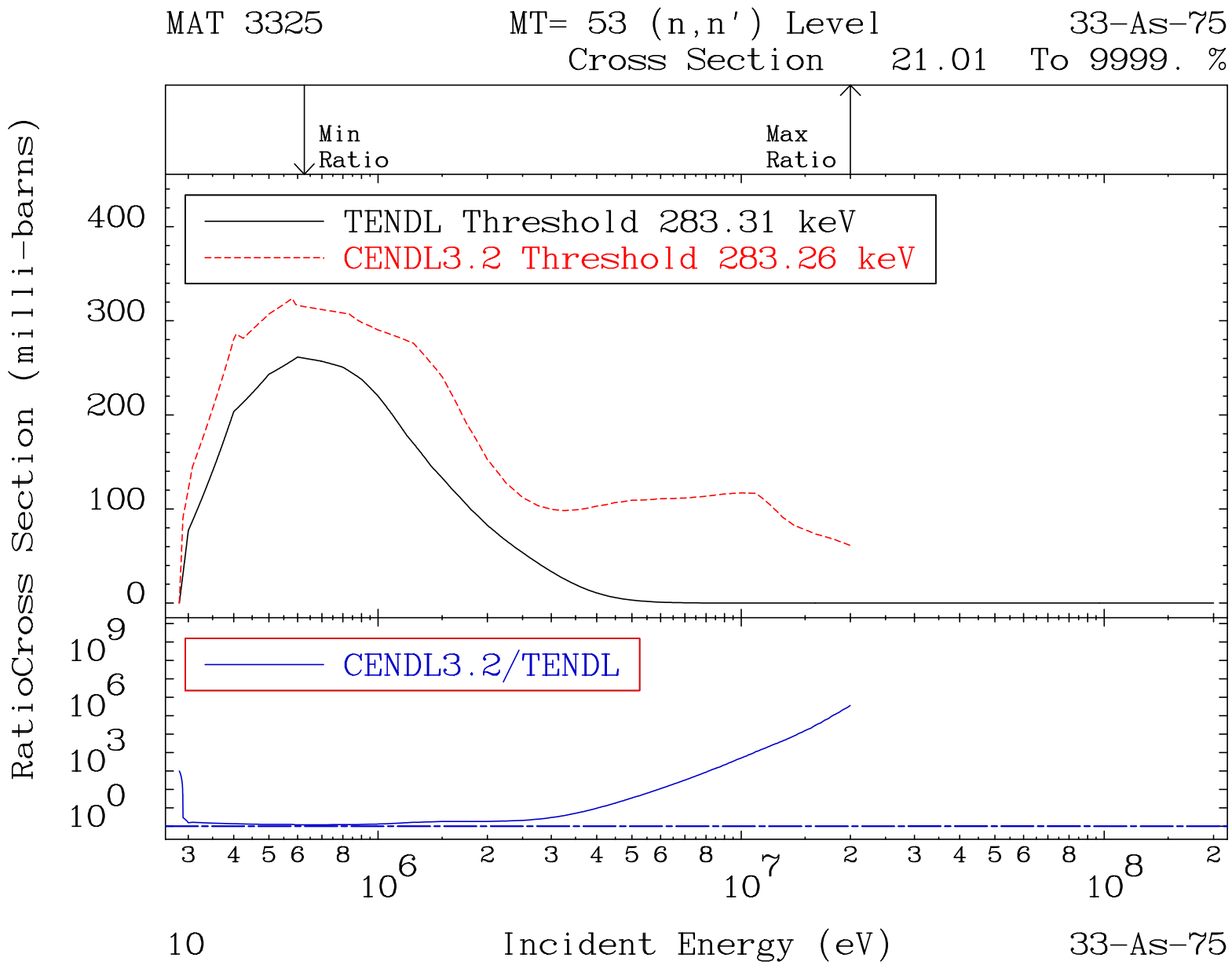

MAT 3325
(n,3n)
Cross Section
33-As-75
-100.0 To 119.7 %
Max
Ratio
TENDL Threshold 18.469 MeV
CENDL3.2 Threshold 18.500 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
3.0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
33-As-75

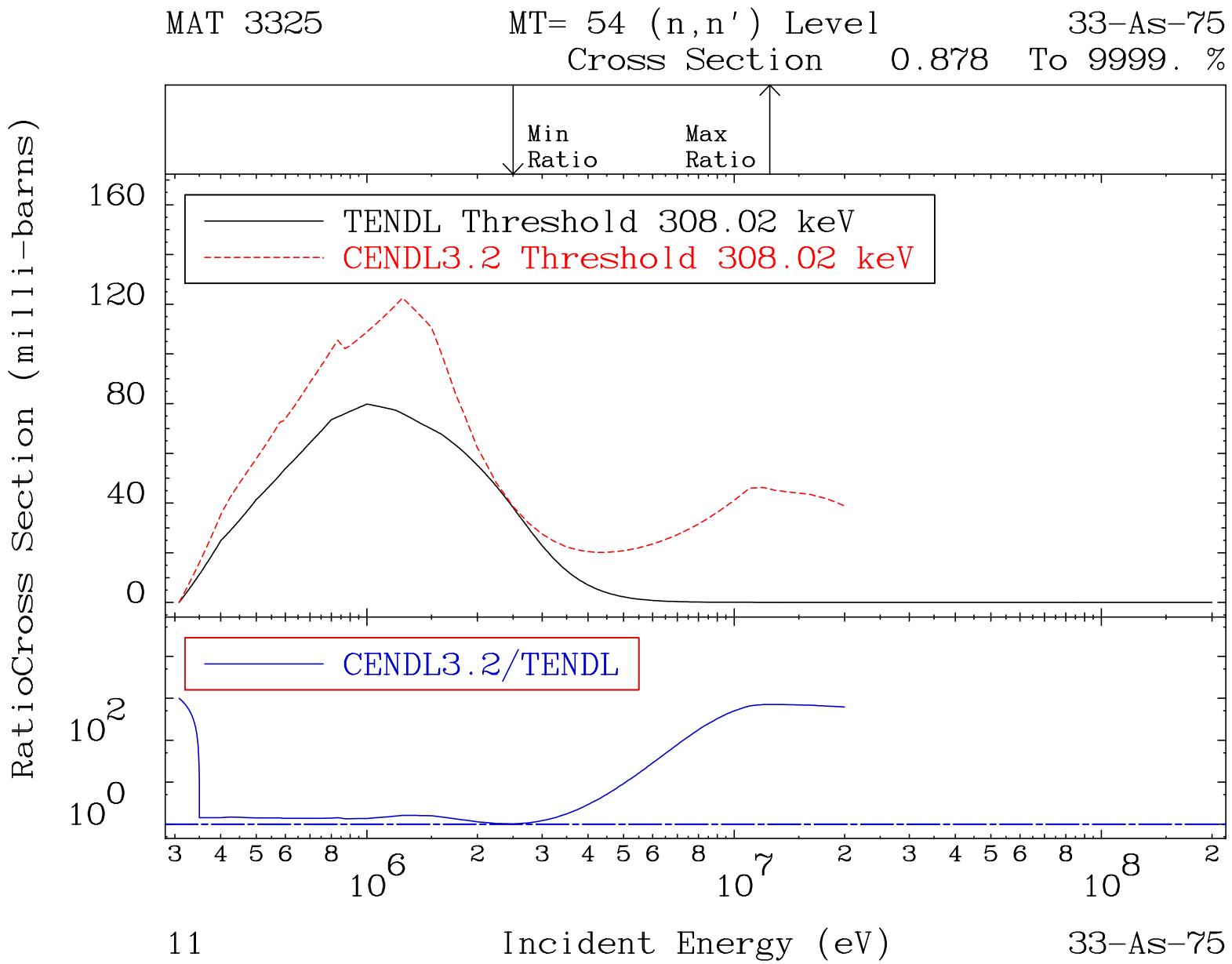

MAT 3325
(n,n') α
Cross Section
33-As-75
-100.0 To 1478. %
Min Ratio
Max Ratio
TENDL Threshold 5.3916 MeV
CENDL3.2 Threshold 9.5000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
20
10
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
6
Incident Energy (eV)
33-As-75

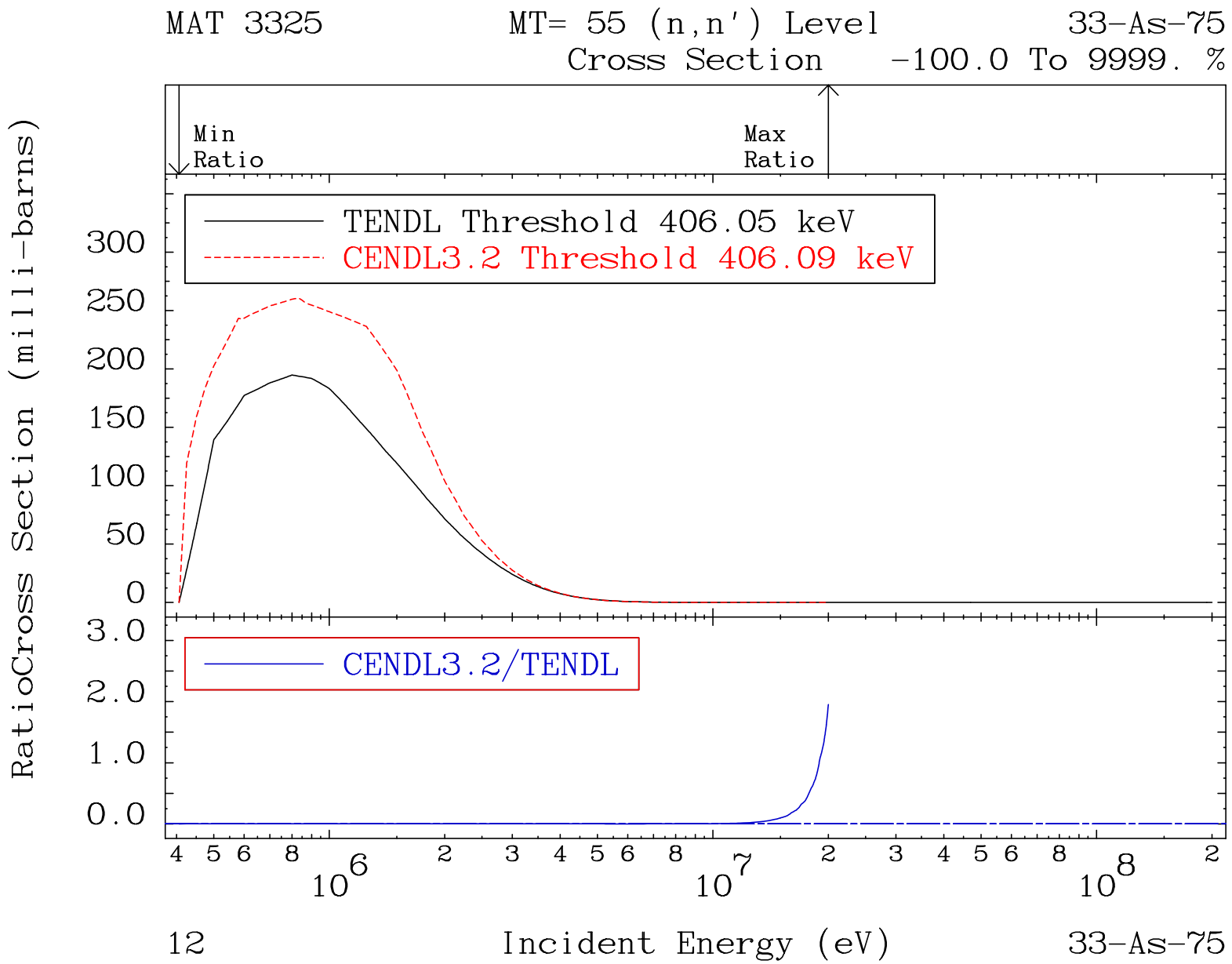

MAT 3325
(n,n') p
Cross Section
33-As-75
-100.0 To 127.5 %
Min Ratio
Max Ratio
TENDL Threshold 6.9936 MeV
CENDL3.2 Threshold 8.0000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
3.0
2.0
1.0
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
7
Incident Energy (eV)
33-As-75

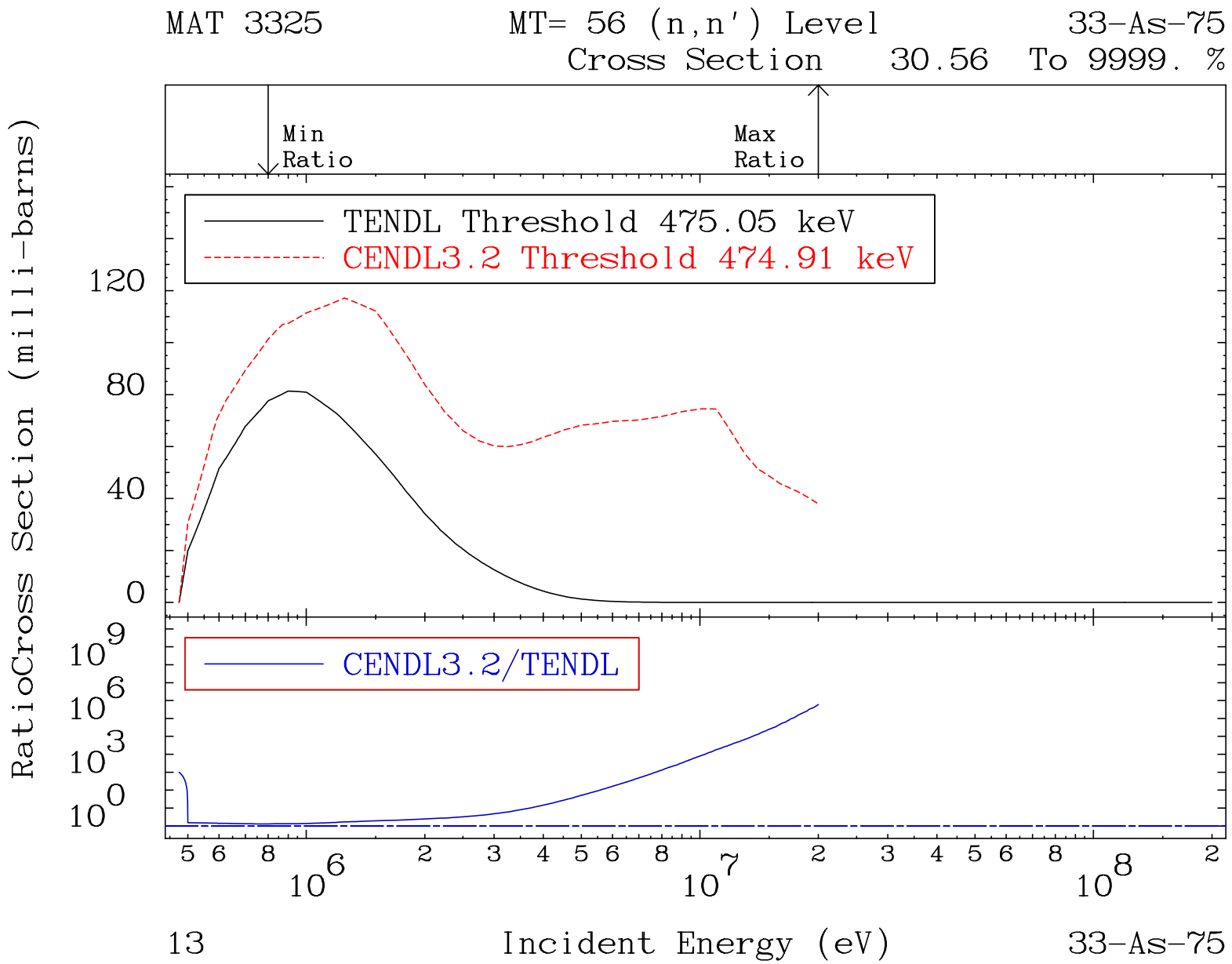

MAT 3325
MT= 51 (n,n') Level
33-As-75
Cross Section 20.22 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 201.28 keV
CENDL3.2 Threshold 201.28 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
10^9
10^6
10^3
10^0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
8
Incident Energy (eV)
33-As-75

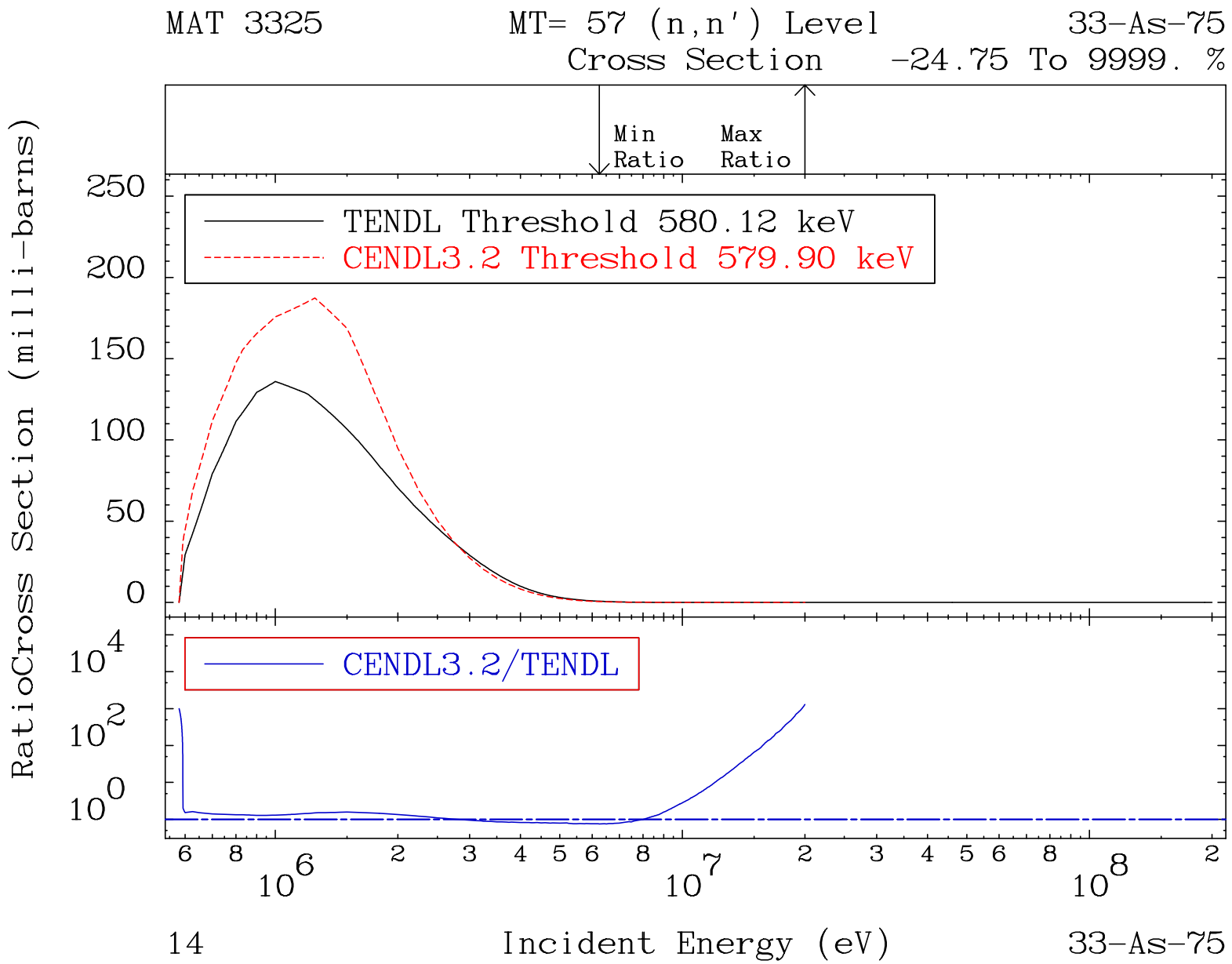

MAT 3325
MT= 52 (n,n') Level
33-As-75
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 268.22 keV
CENDL3.2 Threshold 268.26 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
4
2
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
9
33-As-75

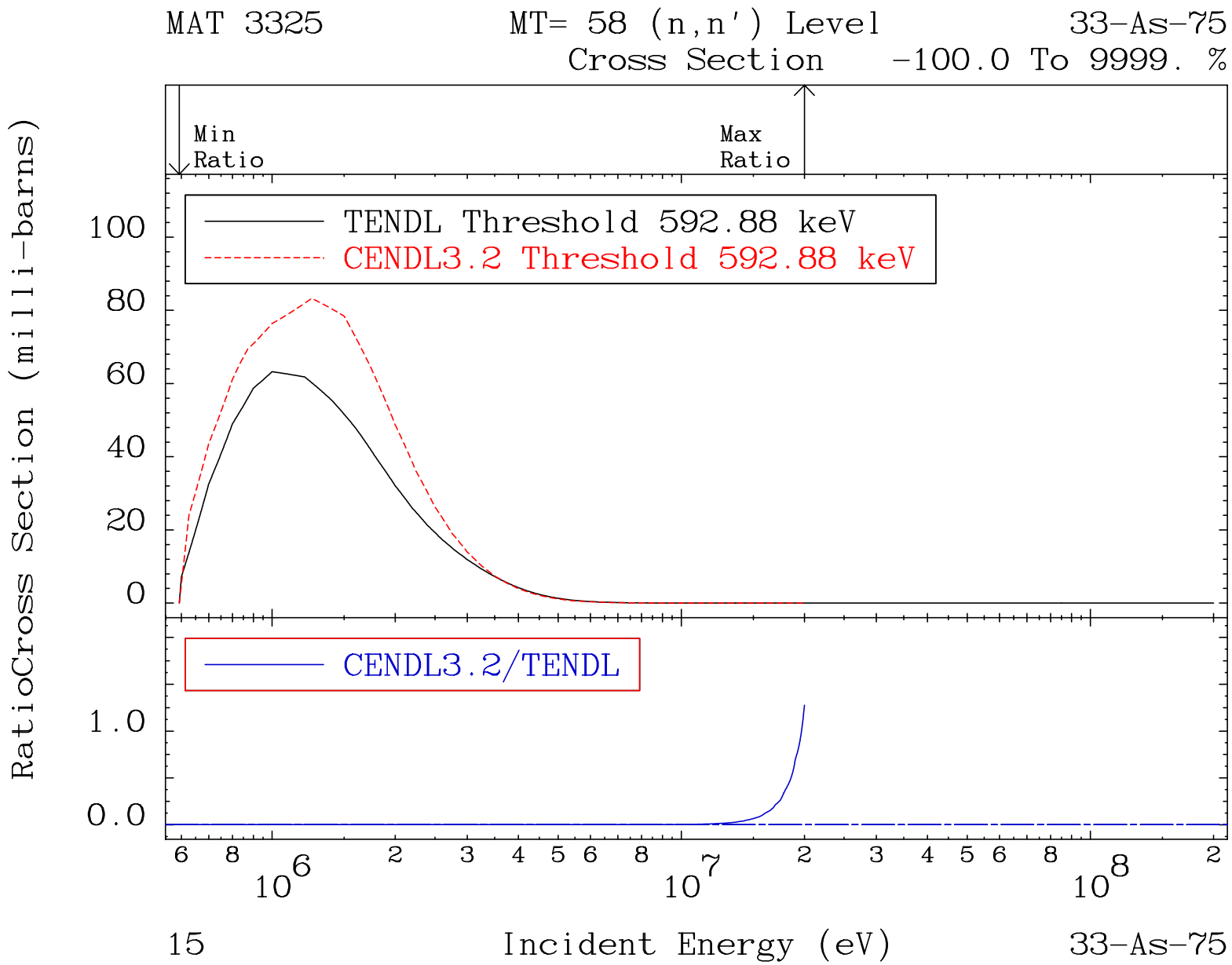

MAT 3325
MT= 53 (n,n') Level
33-As-75
Cross Section 21.01 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 283.31 keV
CENDL3.2 Threshold 283.26 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
10^9
10^6
10^3
10^0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
10
Incident Energy (eV)
33-As-75

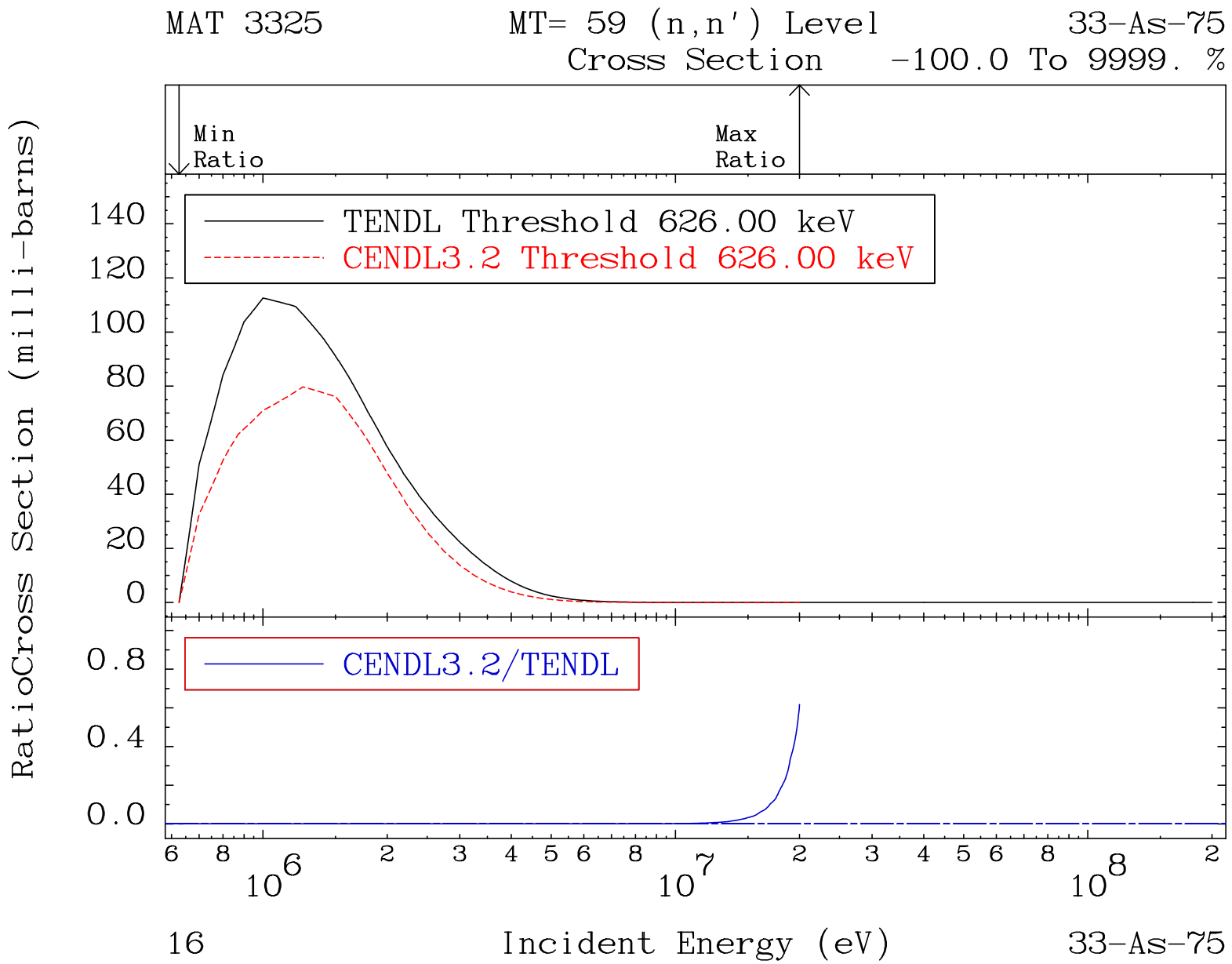

MAT 3325
MT= 54 (n,n') Level
33-As-75
Cross Section 0.878 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 308.02 keV
CENDL3.2 Threshold 308.02 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
10^2
10^0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
11
Incident Energy (eV)
33-As-75

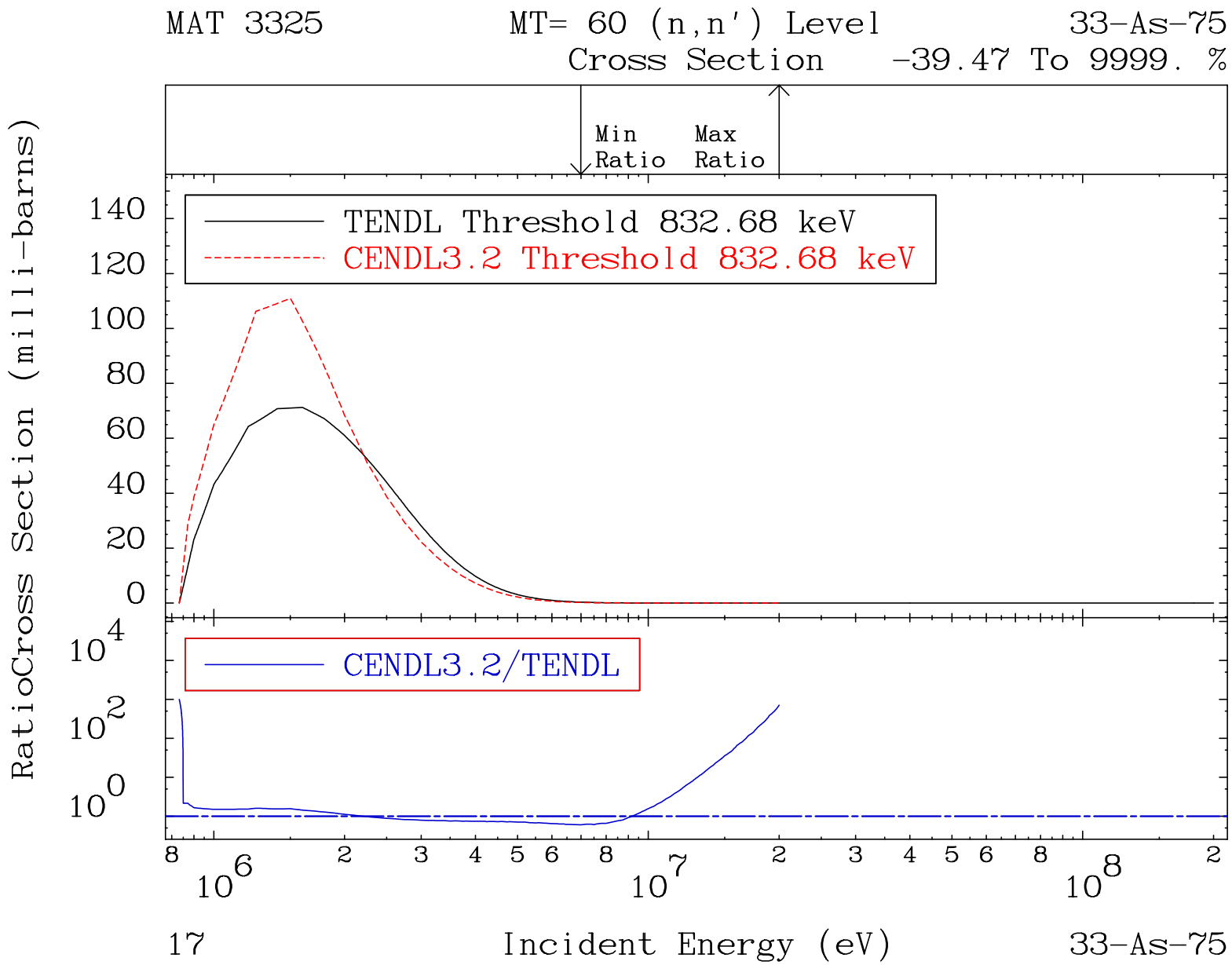

MAT 3325
MT= 55 (n,n') Level
33-As-75
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 406.05 keV
CENDL3.2 Threshold 406.09 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
3.0
2.0
1.0
0.0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
12
Incident Energy (eV)
33-As-75

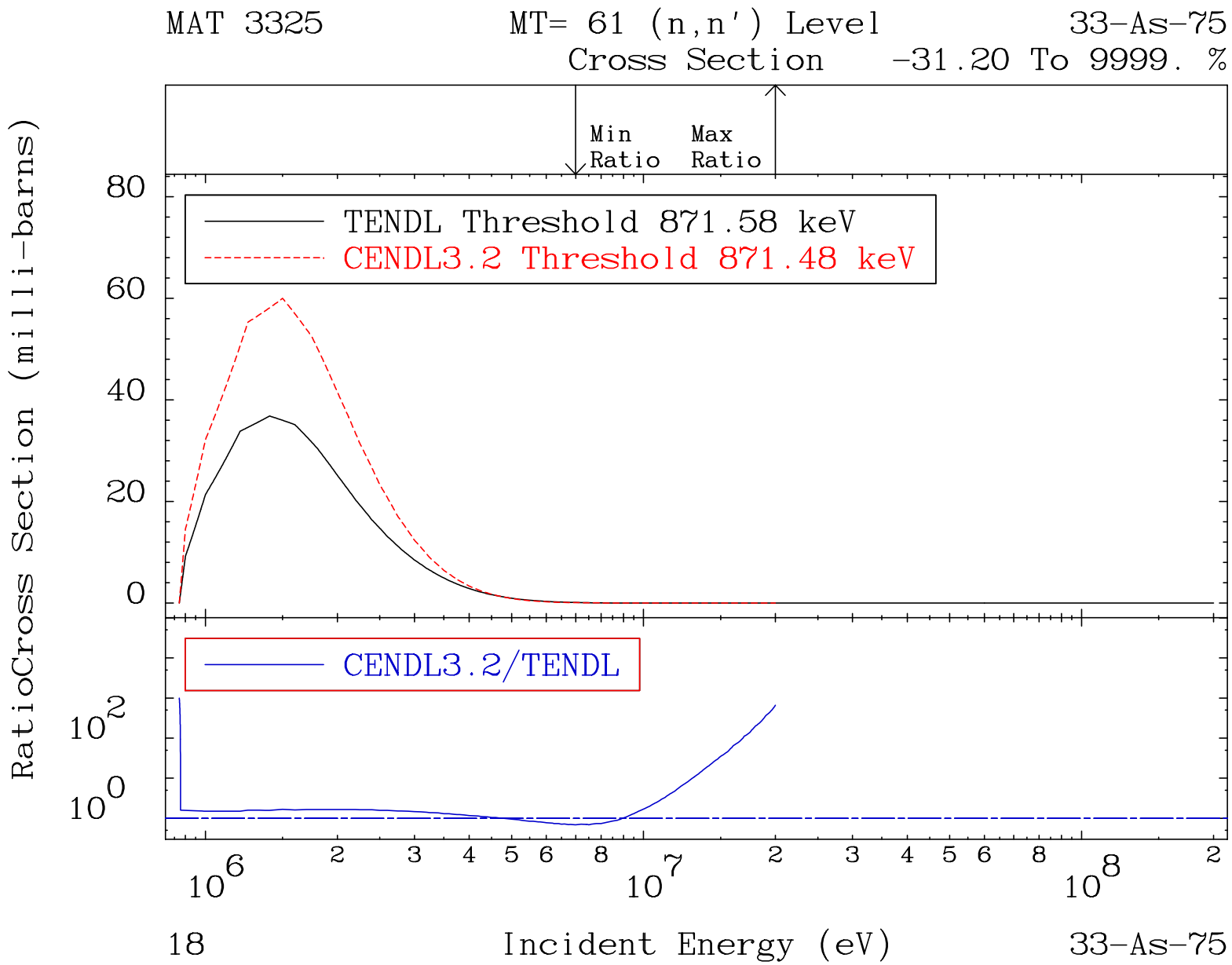

MAT 3325
MT= 56 (n,n') Level
33-As-75
Cross Section 30.56 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 475.05 keV
CENDL3.2 Threshold 474.91 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
120
80
40
0
10^9
10^6
10^3
10^0
5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
13
Incident Energy (eV)
33-As-75

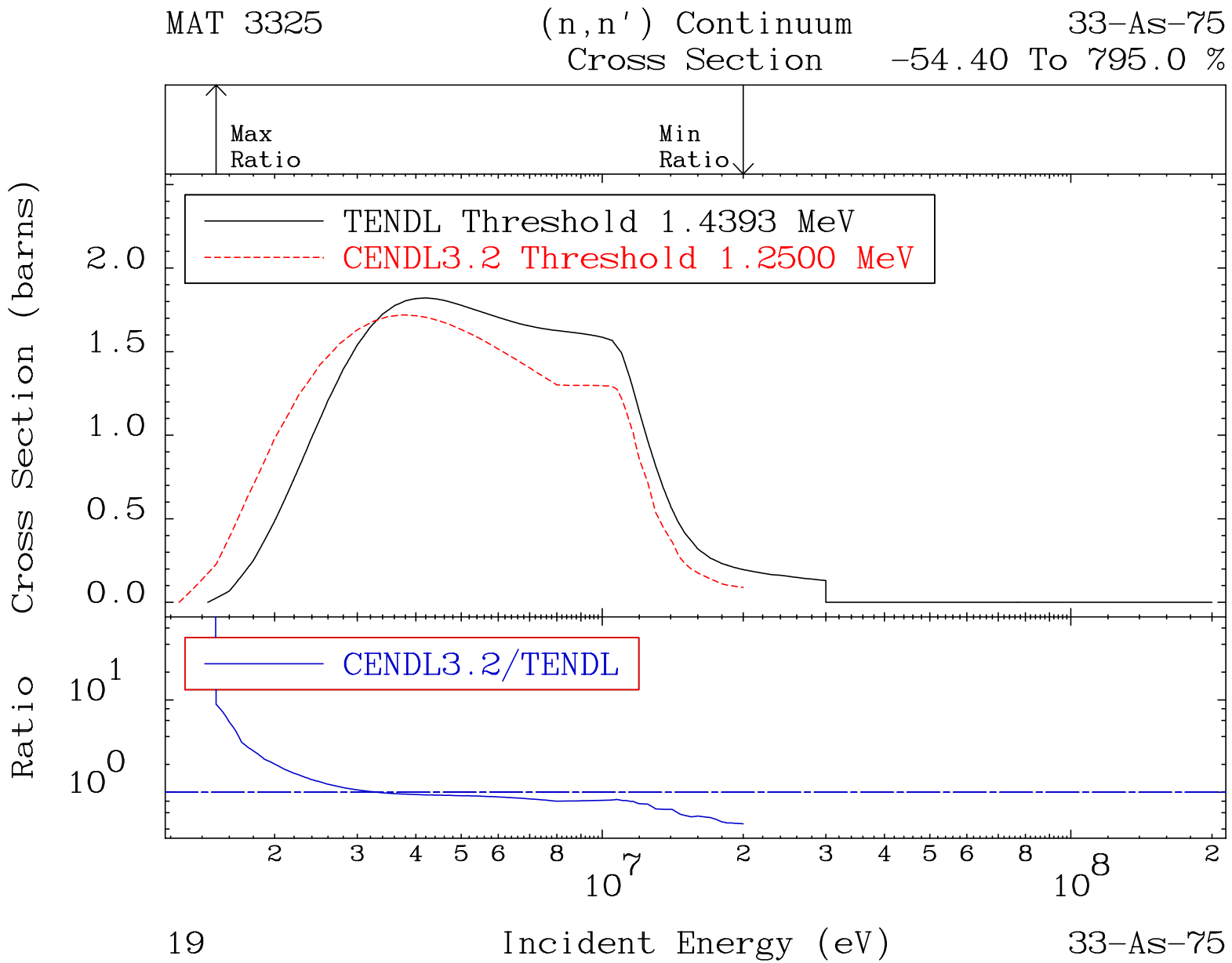

MAT 3325
MT= 57 (n,n') Level
33-As-75
Cross Section
-24.75 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 580.12 keV
CENDL3.2 Threshold 579.90 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
10^4
10^2
10^0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
14
Incident Energy (eV)
33-As-75

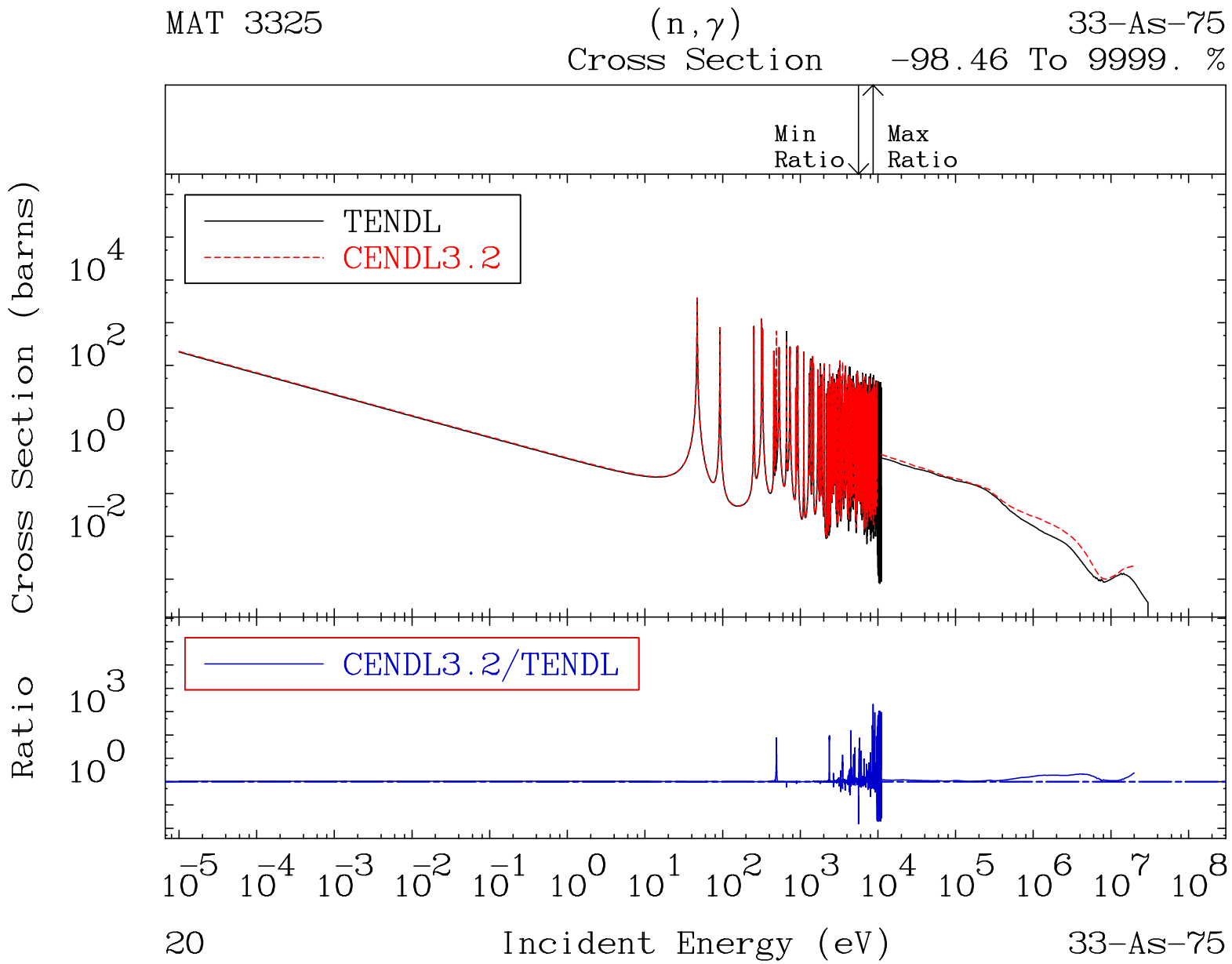

MAT 3325
MT= 58 (n,n') Level
33-As-75
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 592.88 keV
CENDL3.2 Threshold 592.88 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
15
Incident Energy (eV)
33-As-75

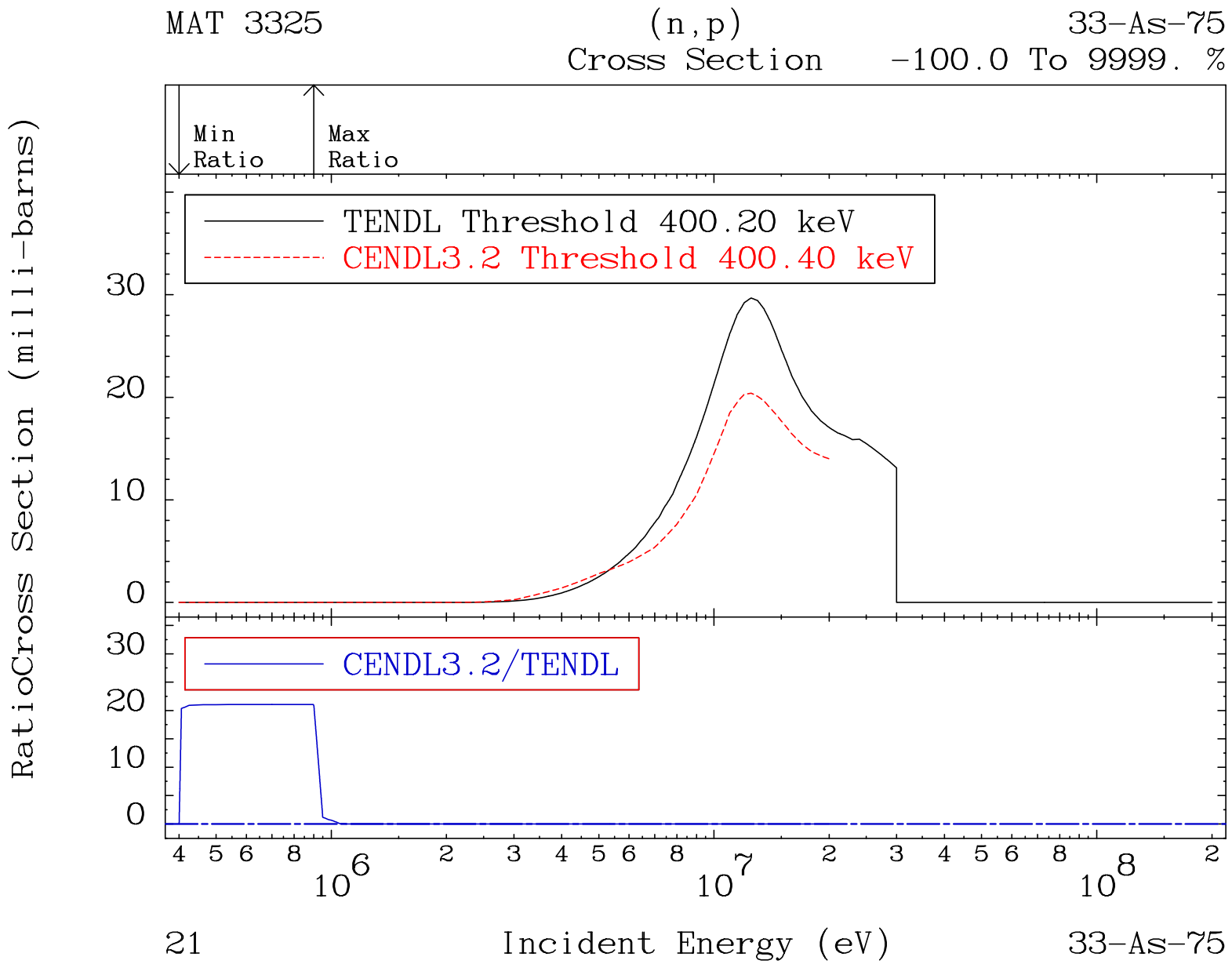

MAT 3325
MT= 59 (n,n') Level
33-As-75
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 626.00 keV
CENDL3.2 Threshold 626.00 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
0.8
0.4
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
33-As-75

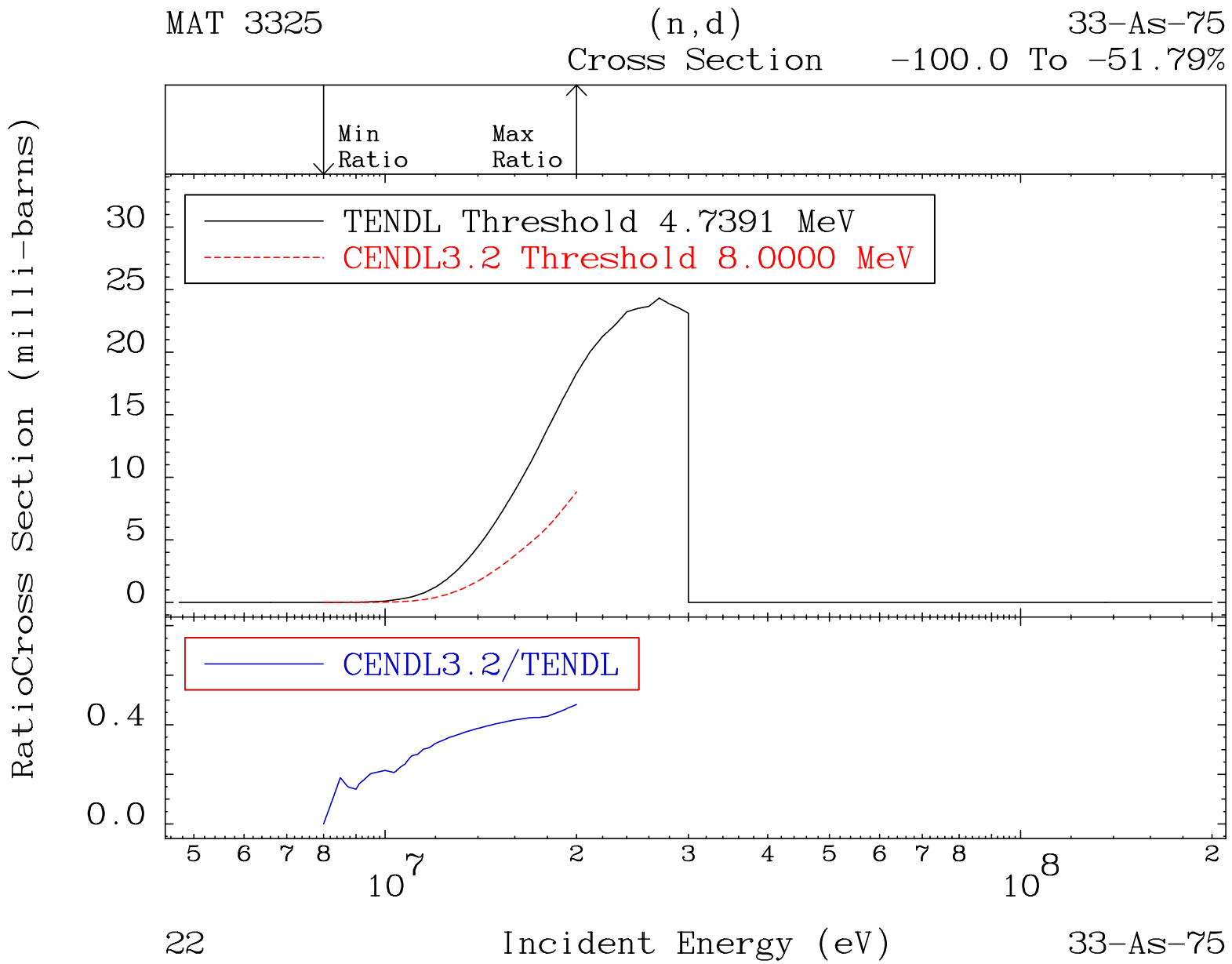

MAT 3325
MT= 60 (n,n') Level
33-As-75
Cross Section -39.47 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 832.68 keV
CENDL3.2 Threshold 832.68 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
17
33-As-75

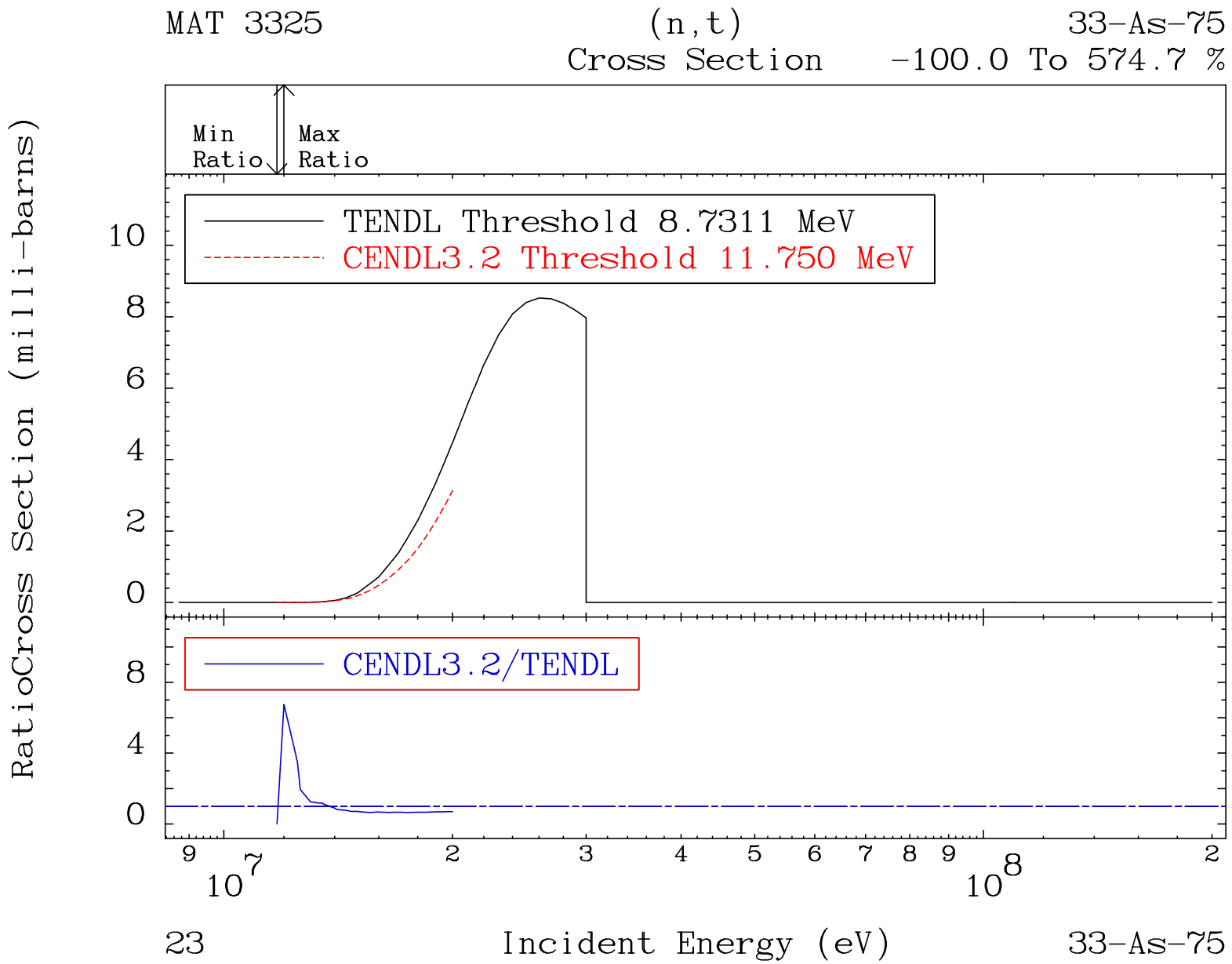

MAT 3325
MT= 61 (n,n') Level
33-As-75
Cross Section -31.20 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 871.58 keV
CENDL3.2 Threshold 871.48 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
18
33-As-75

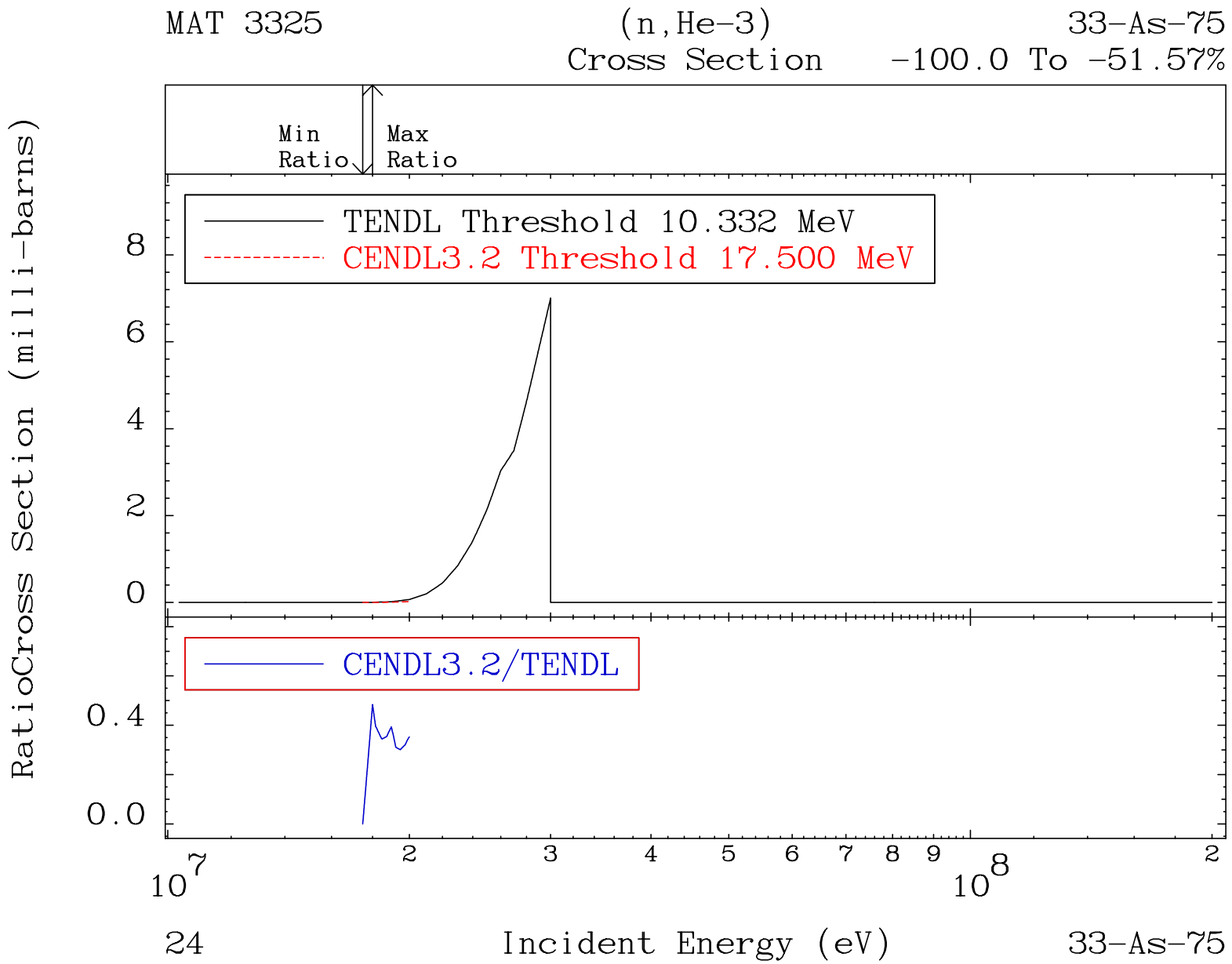

MAT 3325
(n,n') Continuum
Cross Section
33-As-75
-54.40 To 795.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.4393 MeV
CENDL3.2 Threshold 1.2500 MeV
Cross Section (barns)
2.0
1.5
1.0
0.5
0.0
CENDL3.2/TENDL
Ratio
10^1
10^0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
19
Incident Energy (eV)
33-As-75

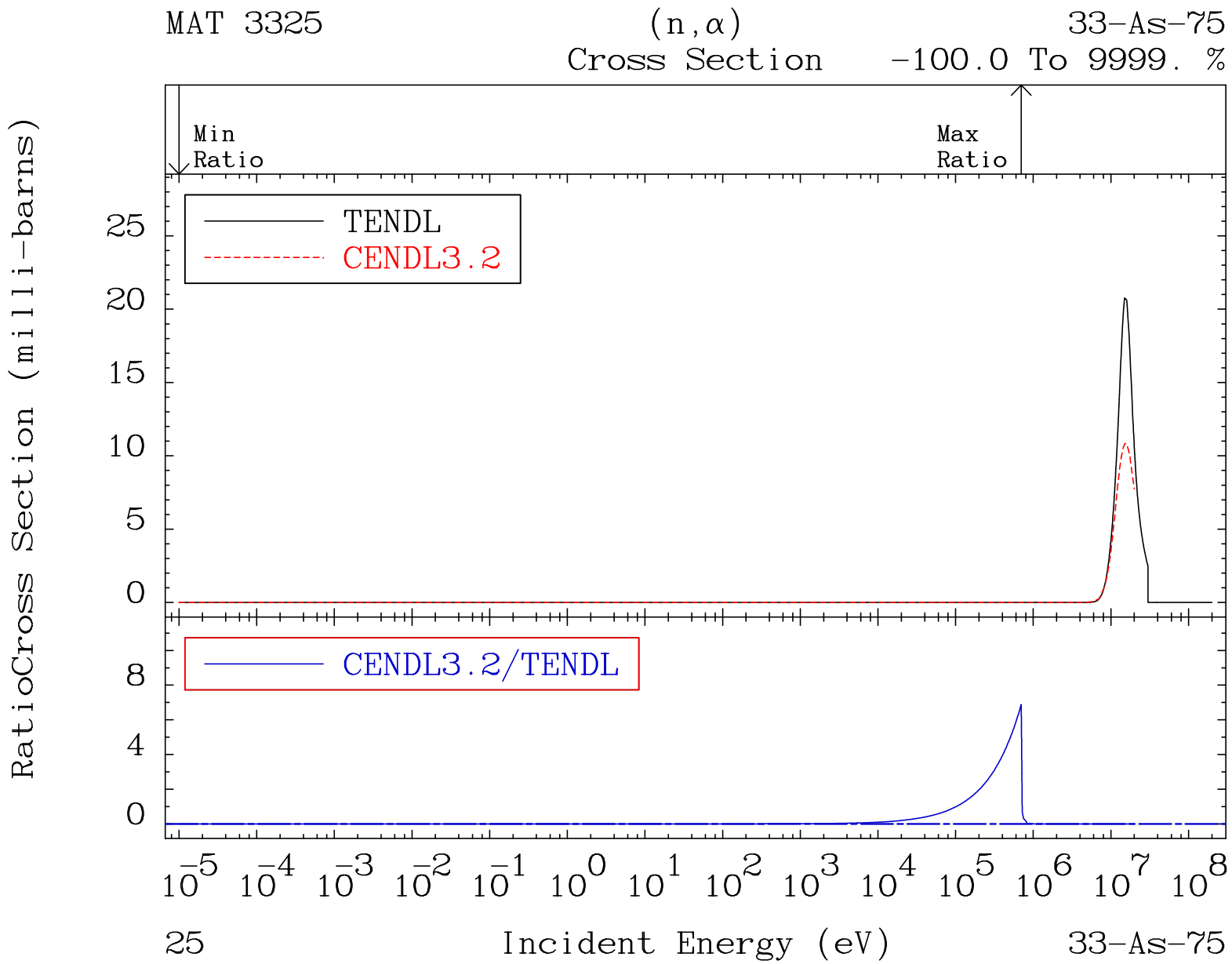

MAT 3325
(n,γ)
Cross Section
33-As-75
-98.46 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
20
33-As-75

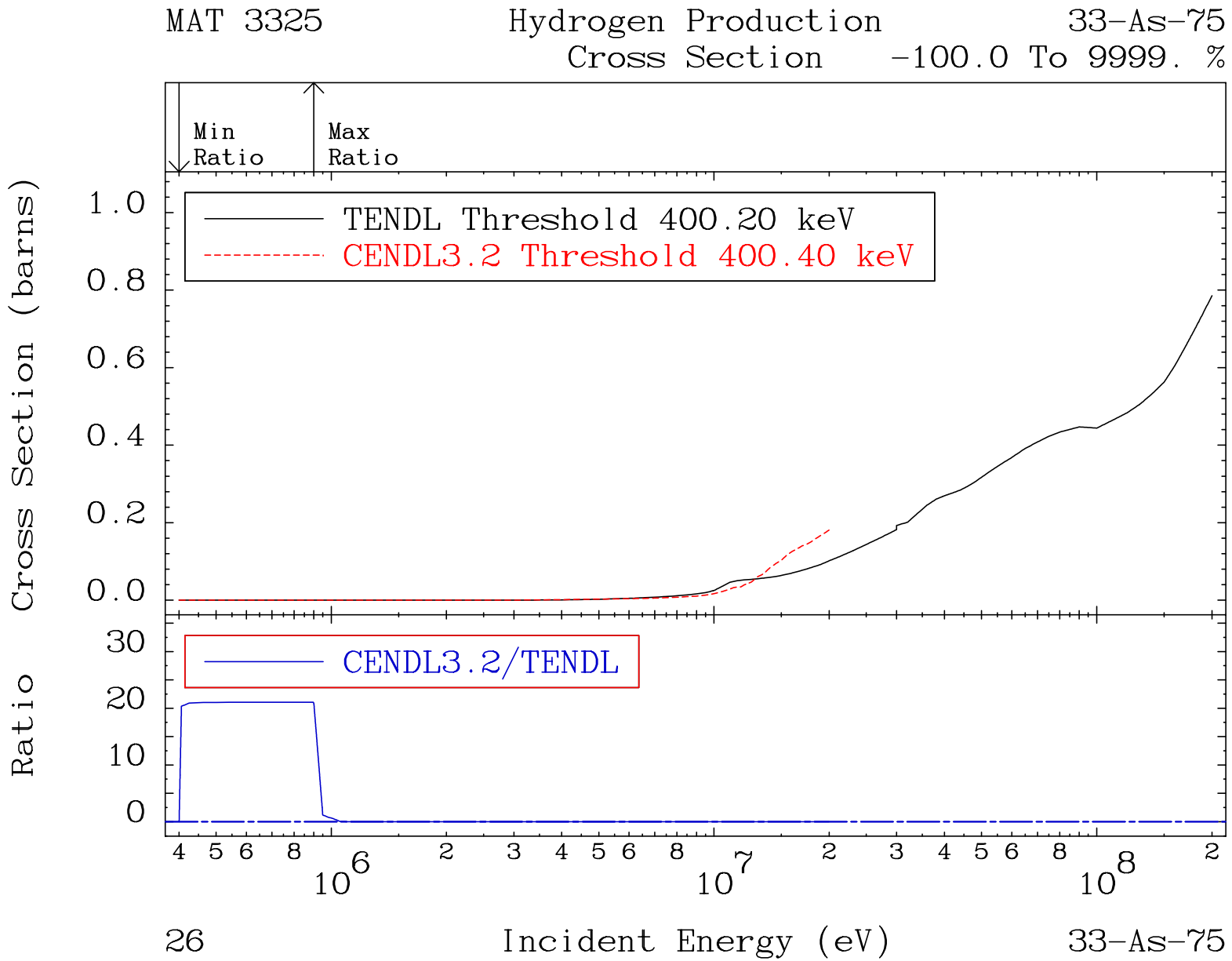

MAT 3325
(n,p)
33-As-75
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 400.20 keV
CENDL3.2 Threshold 400.40 keV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
30
20
10
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
21
Incident Energy (eV)
33-As-75

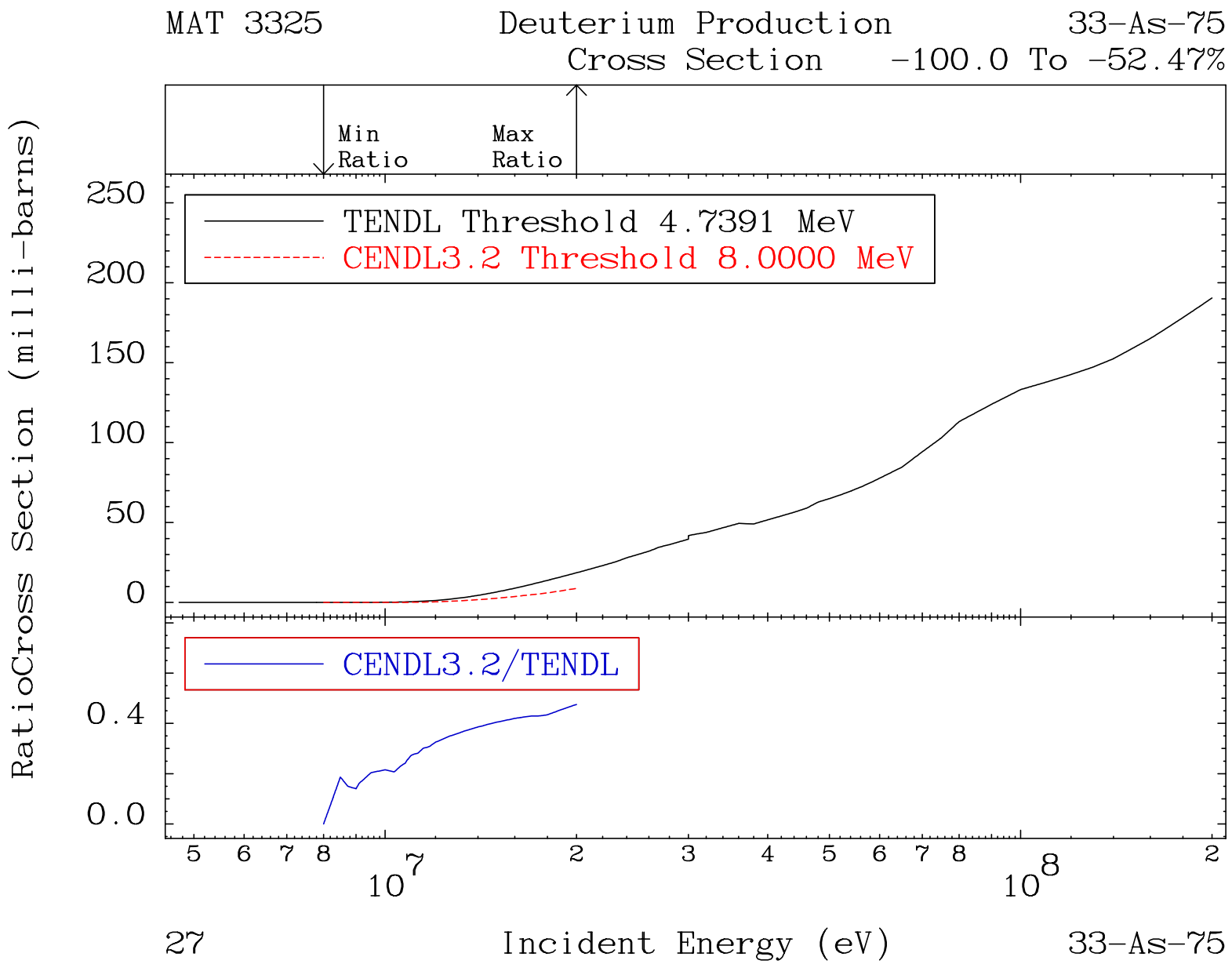

MAT 3325
(n,d)
33-As-75
Cross Section
-100.0 To -51.79%
Min Ratio
Max Ratio
TENDL Threshold 4.7391 MeV
CENDL3.2 Threshold 8.0000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
0.4
0.0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
22
Incident Energy (eV)
33-As-75

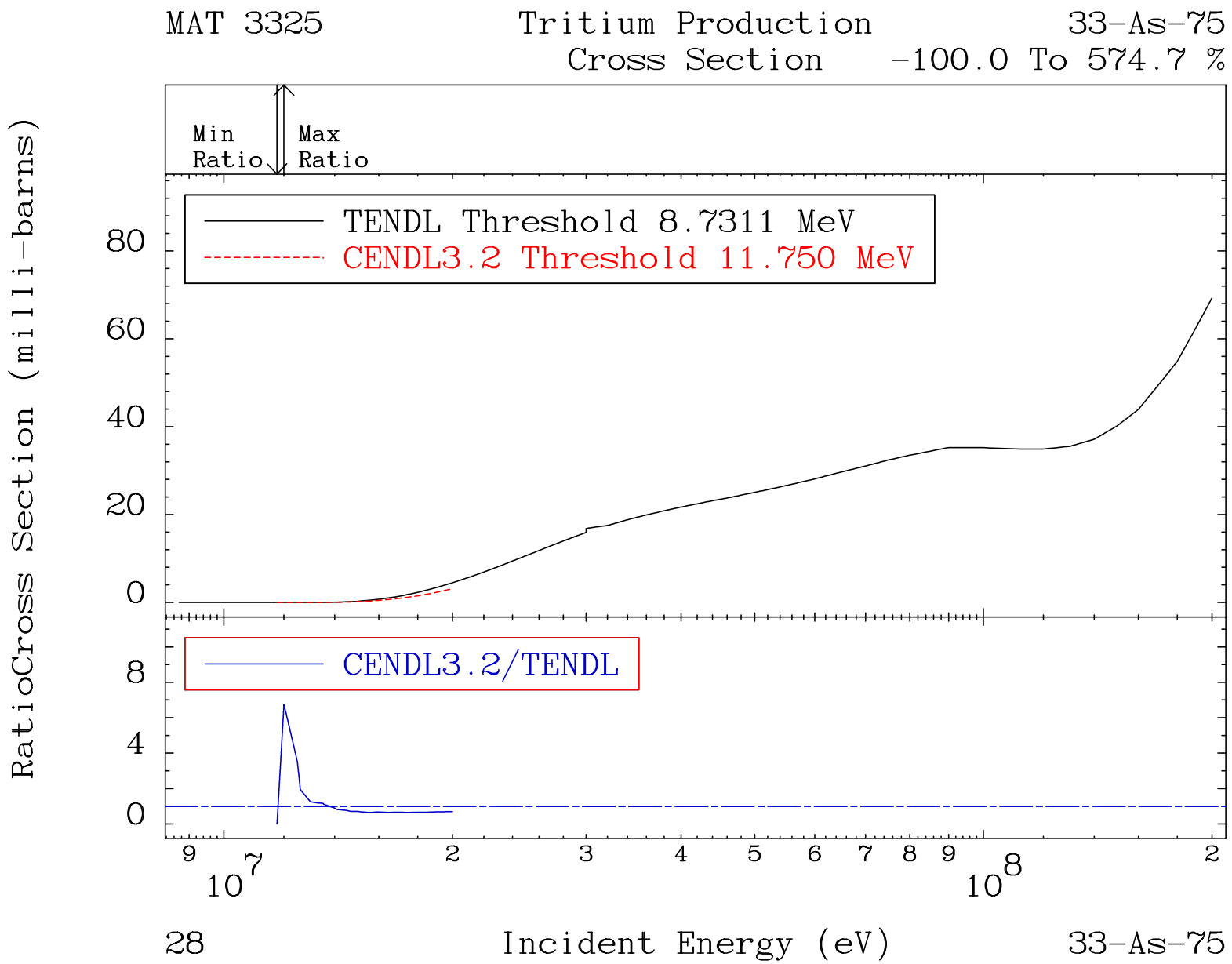

MAT 3325
(n,t)
Cross Section
33-As-75
-100.0 To 574.7 %
Min Ratio
Max Ratio
TENDL Threshold 8.7311 MeV
CENDL3.2 Threshold 11.750 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
23
33-As-75

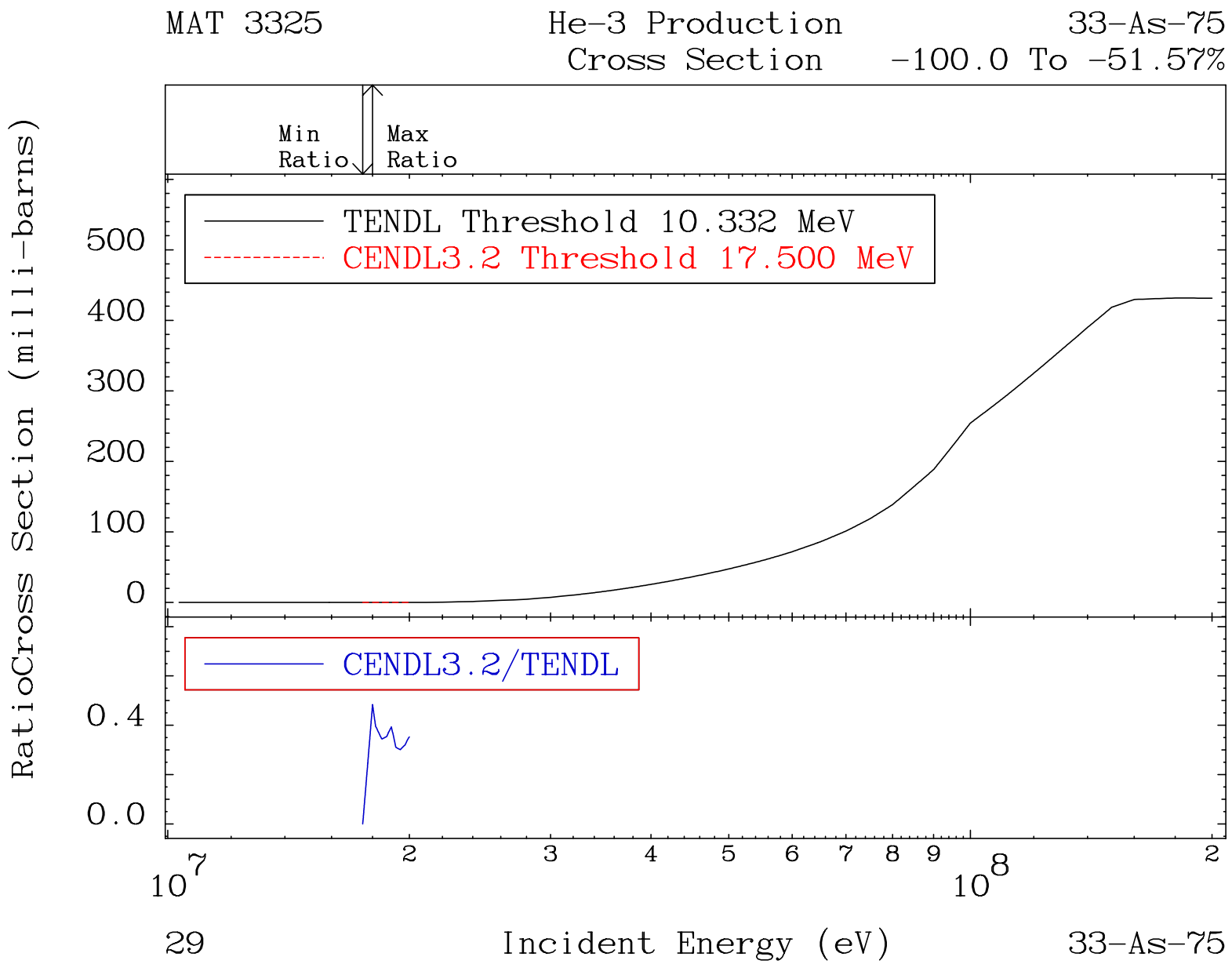

MAT 3325
(n,He-3)
Cross Section
33-As-75
-100.0 To -51.57%
Min Ratio
Max Ratio
TENDL Threshold 10.332 MeV
CENDL3.2 Threshold 17.500 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
8
6
4
2
0
0.4
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
24
Incident Energy (eV)
33-As-75

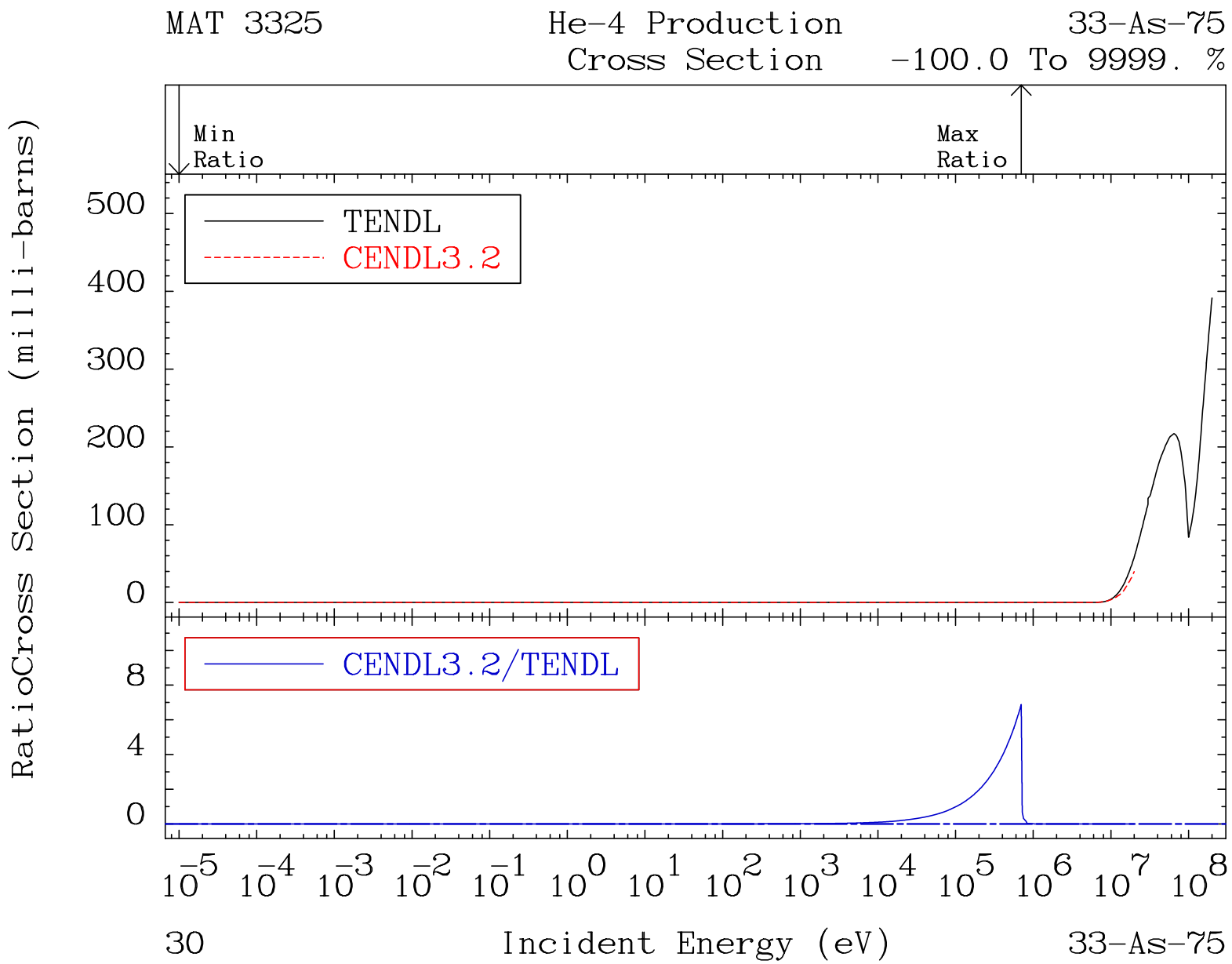

MAT 3325
(n,α)
33-As-75
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
8
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
25
Incident Energy (eV)
33-As-75

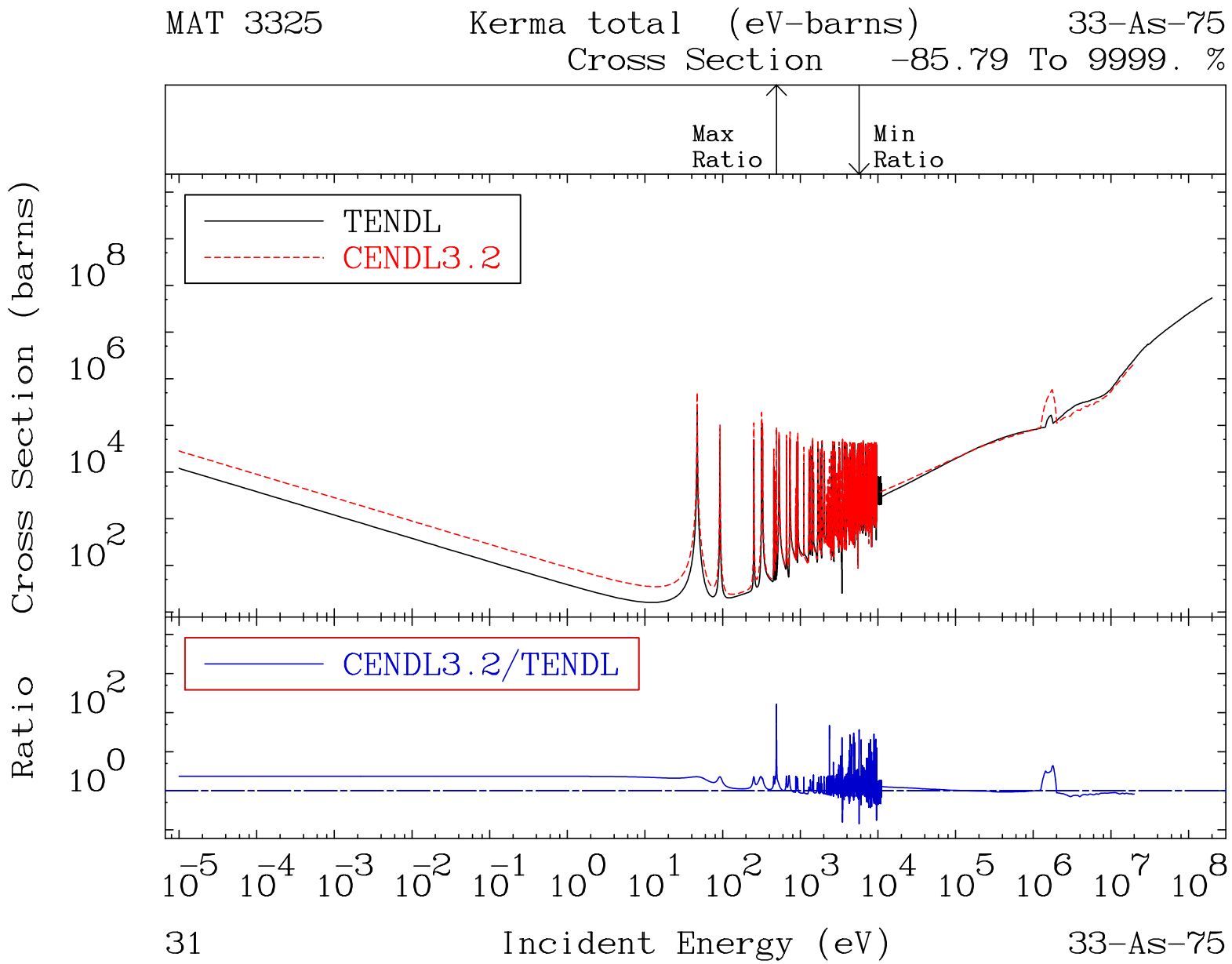

MAT 3325
Hydrogen Production
33-As-75
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 400.20 keV
CENDL3.2 Threshold 400.40 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.0
0.8
0.6
0.4
0.2
0.0
30
20
10
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
26
Incident Energy (eV)
33-As-75

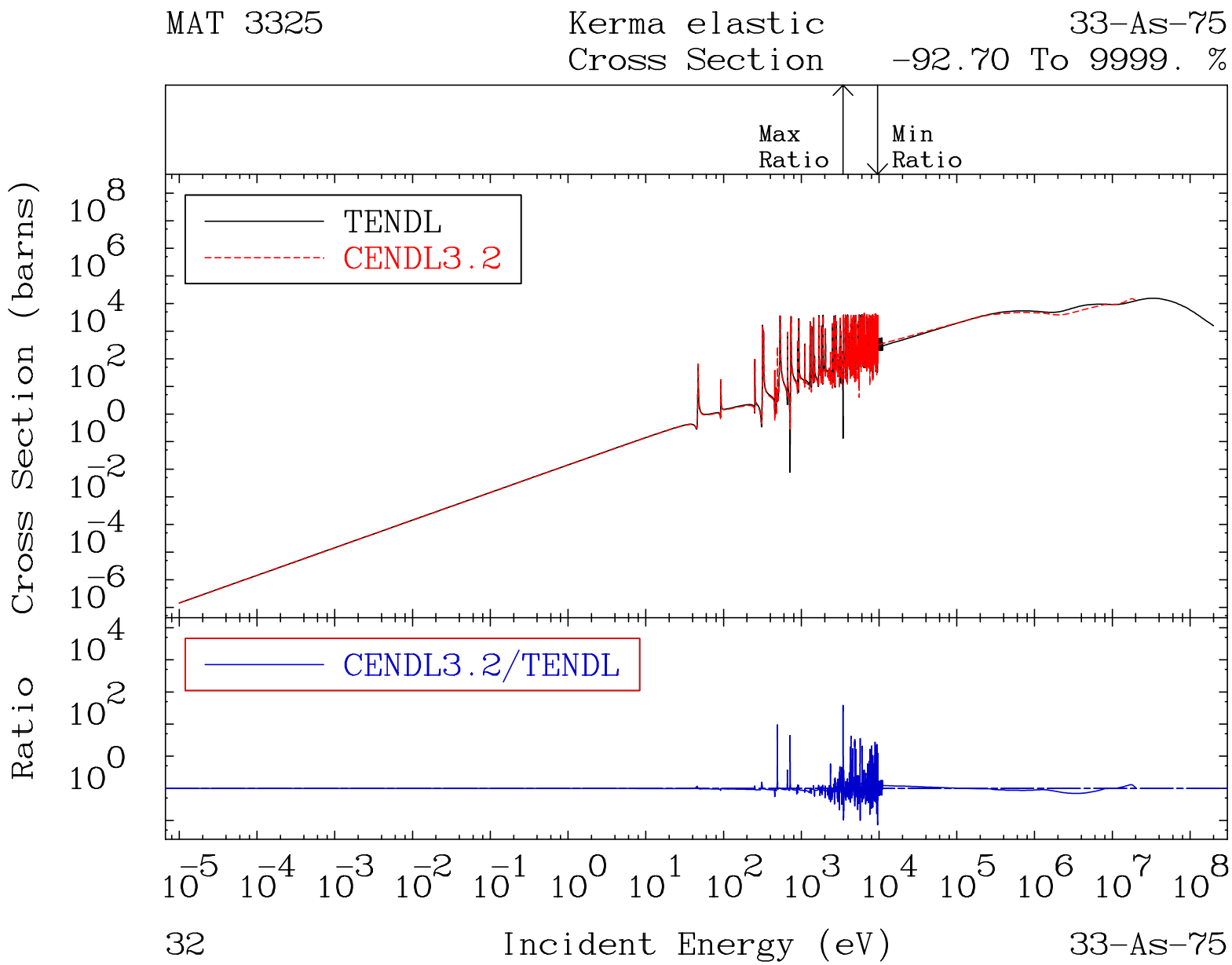

MAT 3325
Deuterium Production
33-As-75
Cross Section -100.0 To -52.47%
Min Ratio
Max Ratio
TENDL Threshold 4.7391 MeV
CENDL3.2 Threshold 8.0000 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
0.4
0.0
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
27
Incident Energy (eV)
33-As-75

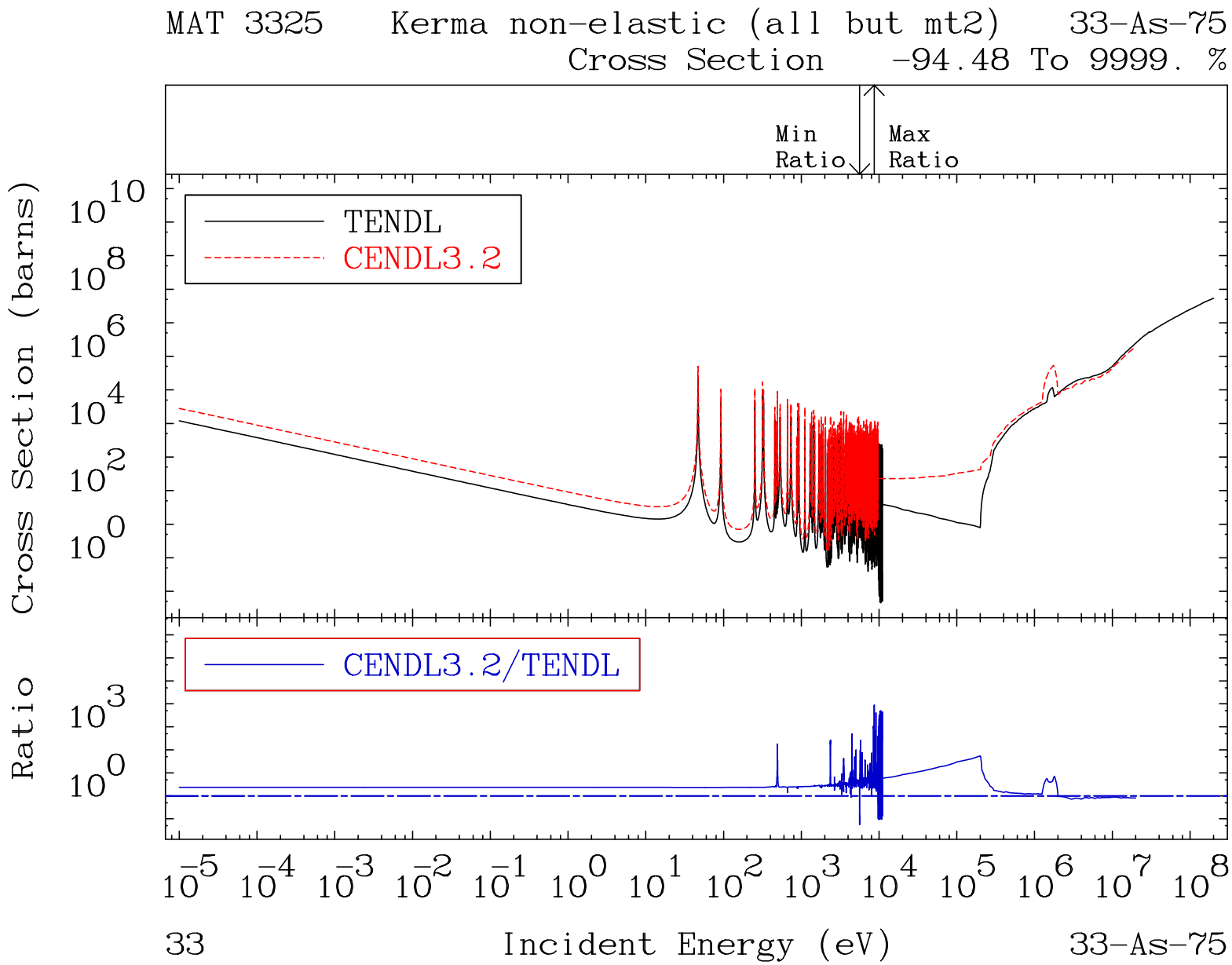

MAT 3325
Tritium Production
33-As-75
Cross Section
-100.0 To 574.7 %
Min Ratio
Max Ratio
TENDL Threshold 8.7311 MeV
CENDL3.2 Threshold 11.750 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
8
4
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
28
Incident Energy (eV)
33-As-75

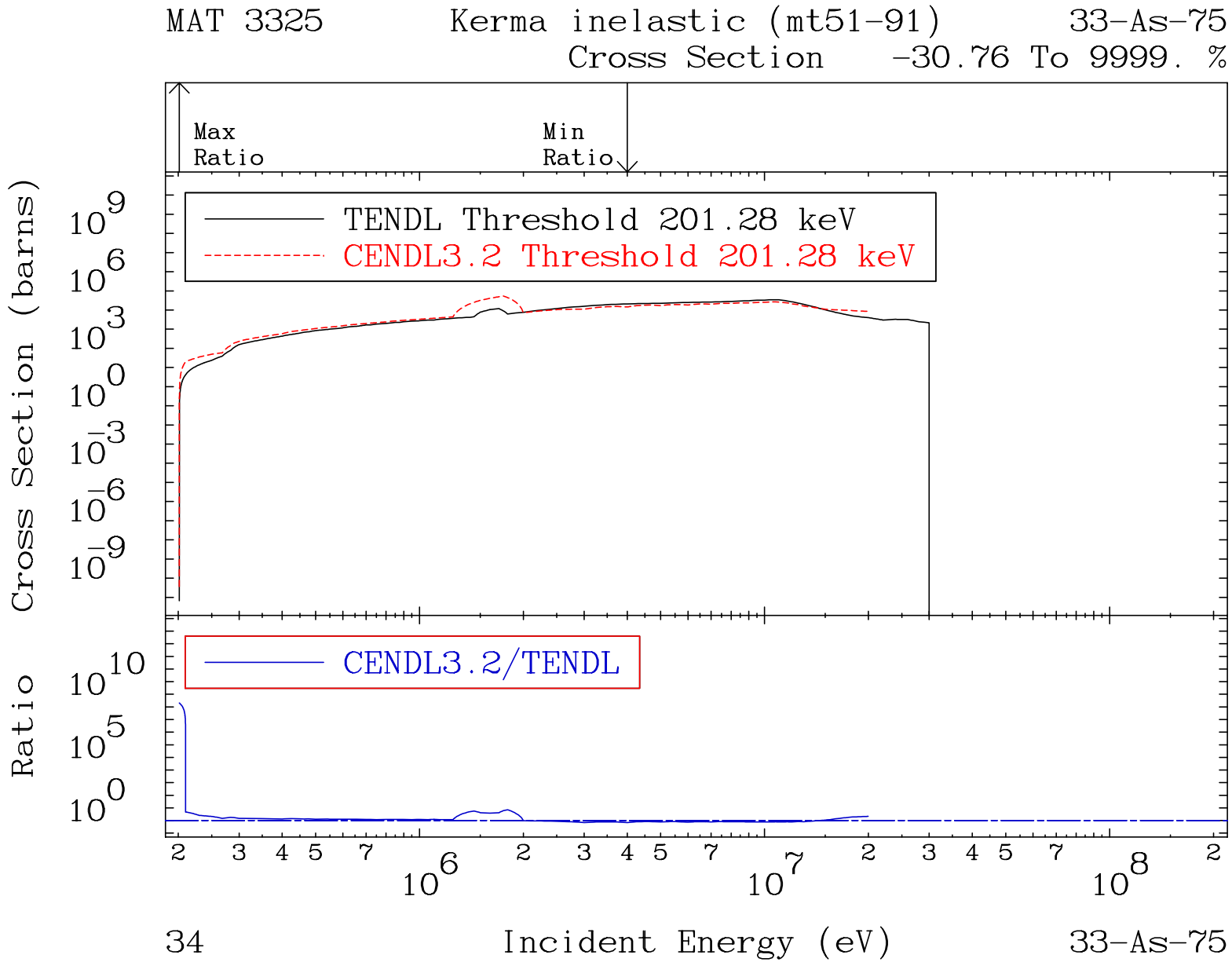

MAT 3325
He-3 Production
Cross Section
33-As-75
-100.0 To -51.57%
Min Ratio
Max Ratio
TENDL Threshold 10.332 MeV
CENDL3.2 Threshold 17.500 MeV
CENDL3.2/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
0.4
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
29
Incident Energy (eV)
33-As-75

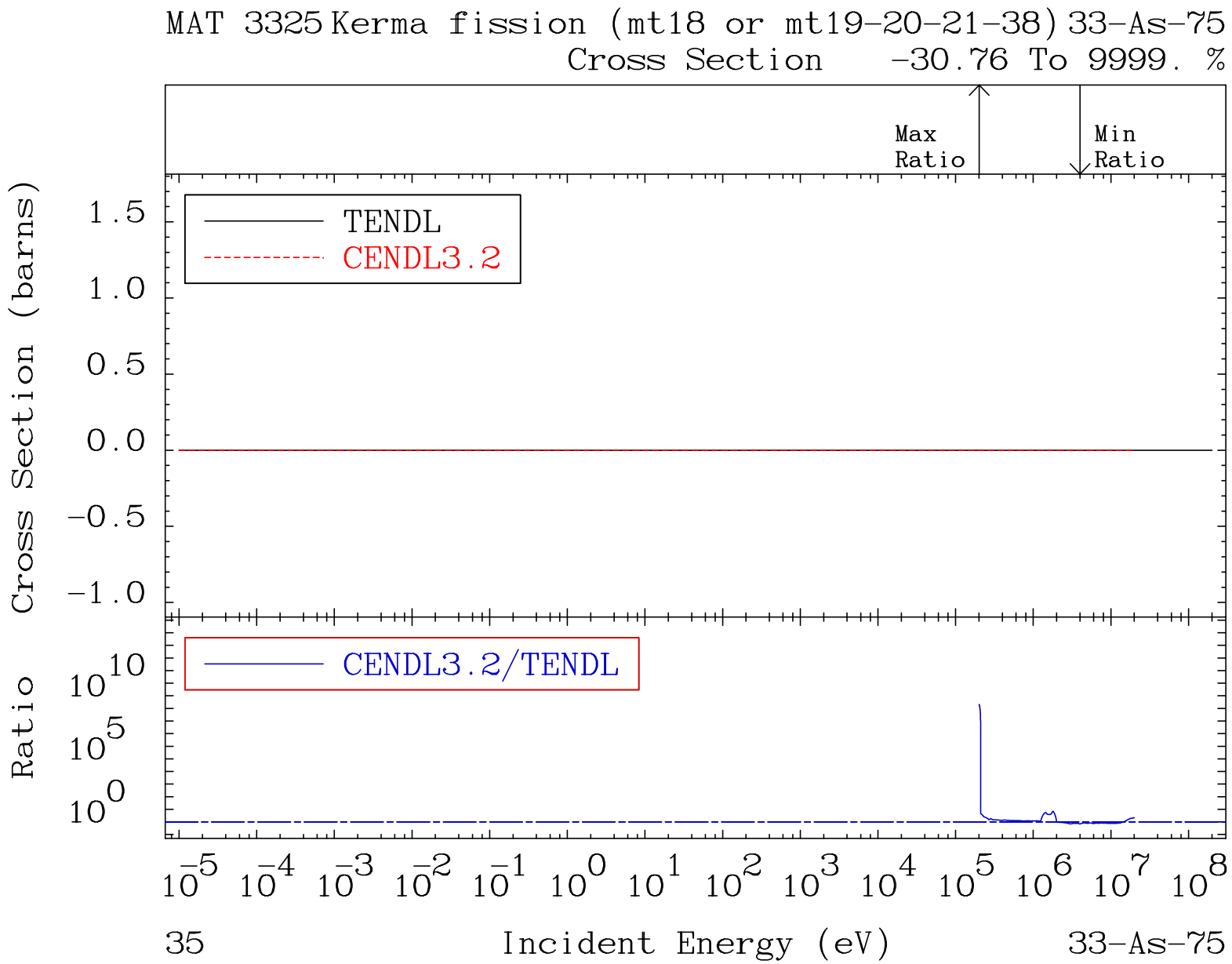

MAT 3325
He-4 Production
Cross Section
33-As-75
-100.0 To 9999. %
Min
Ratio
Max
Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
8
4
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
30
Incident Energy (eV)
33-As-75

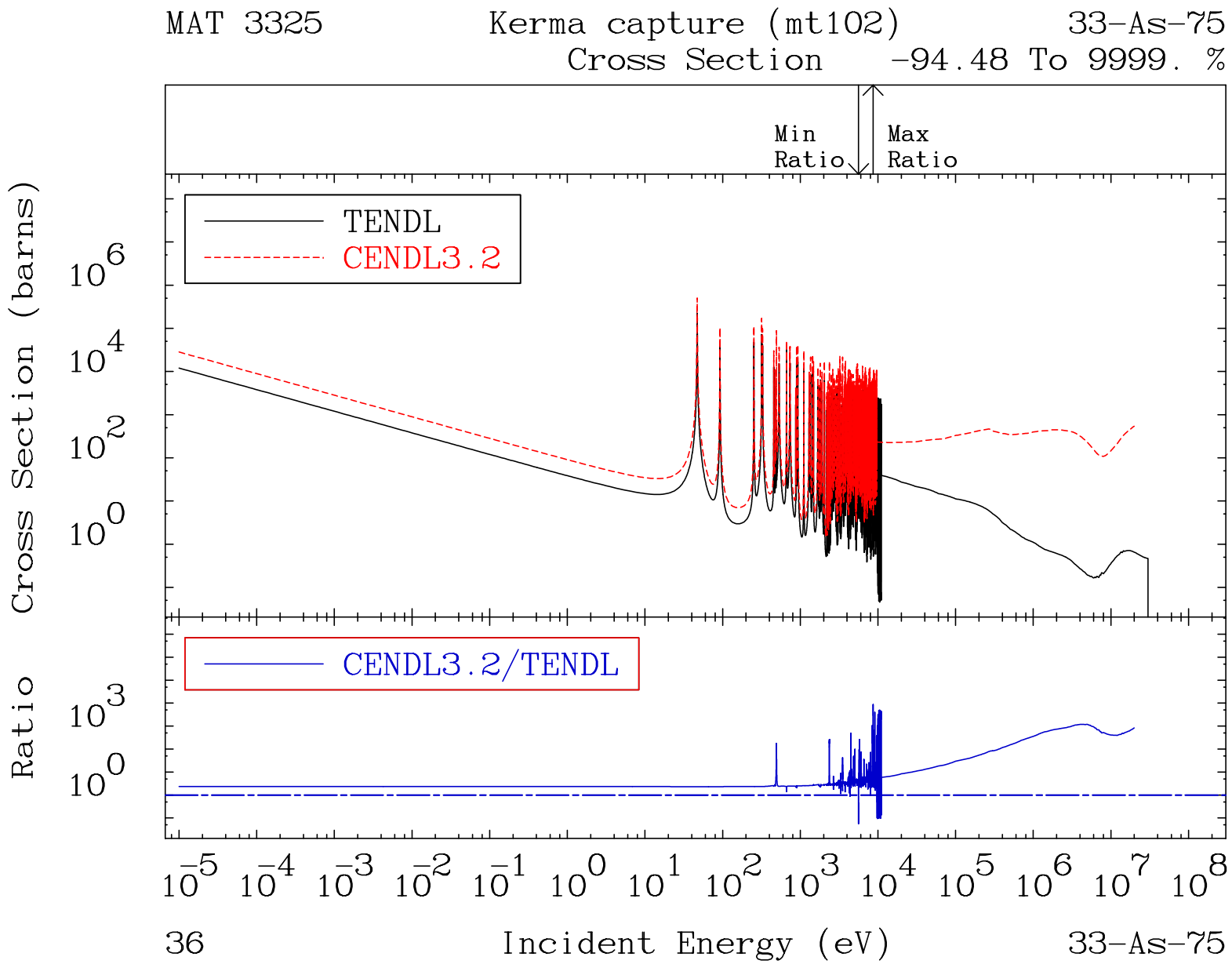

MAT 3325
Kerma total (eV-barns)
33-As-75
Cross Section -85.79 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
31
33-As-75

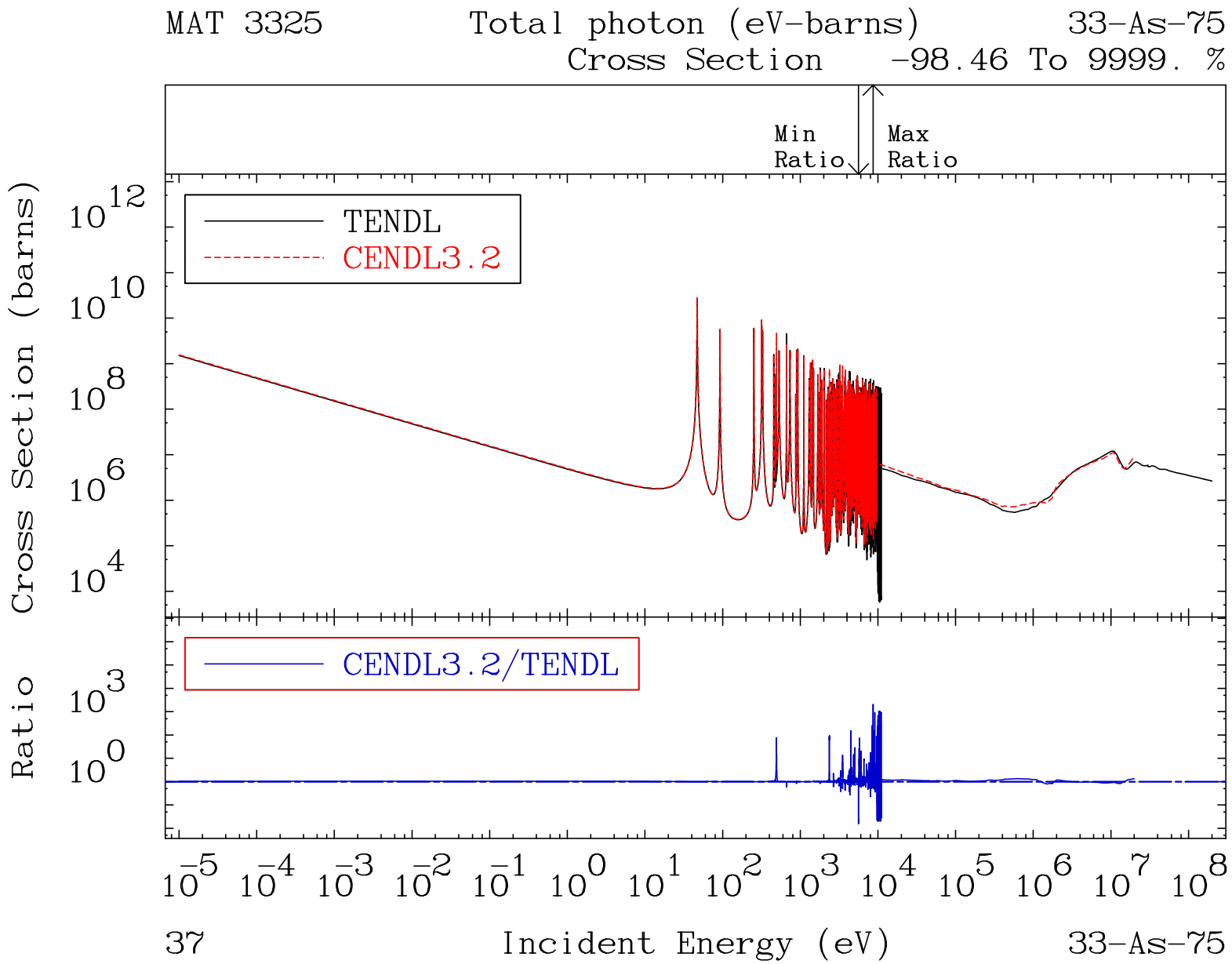

MAT 3325
Kerma elastic
Cross Section
33-As-75
-92.70 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
32
33-As-75

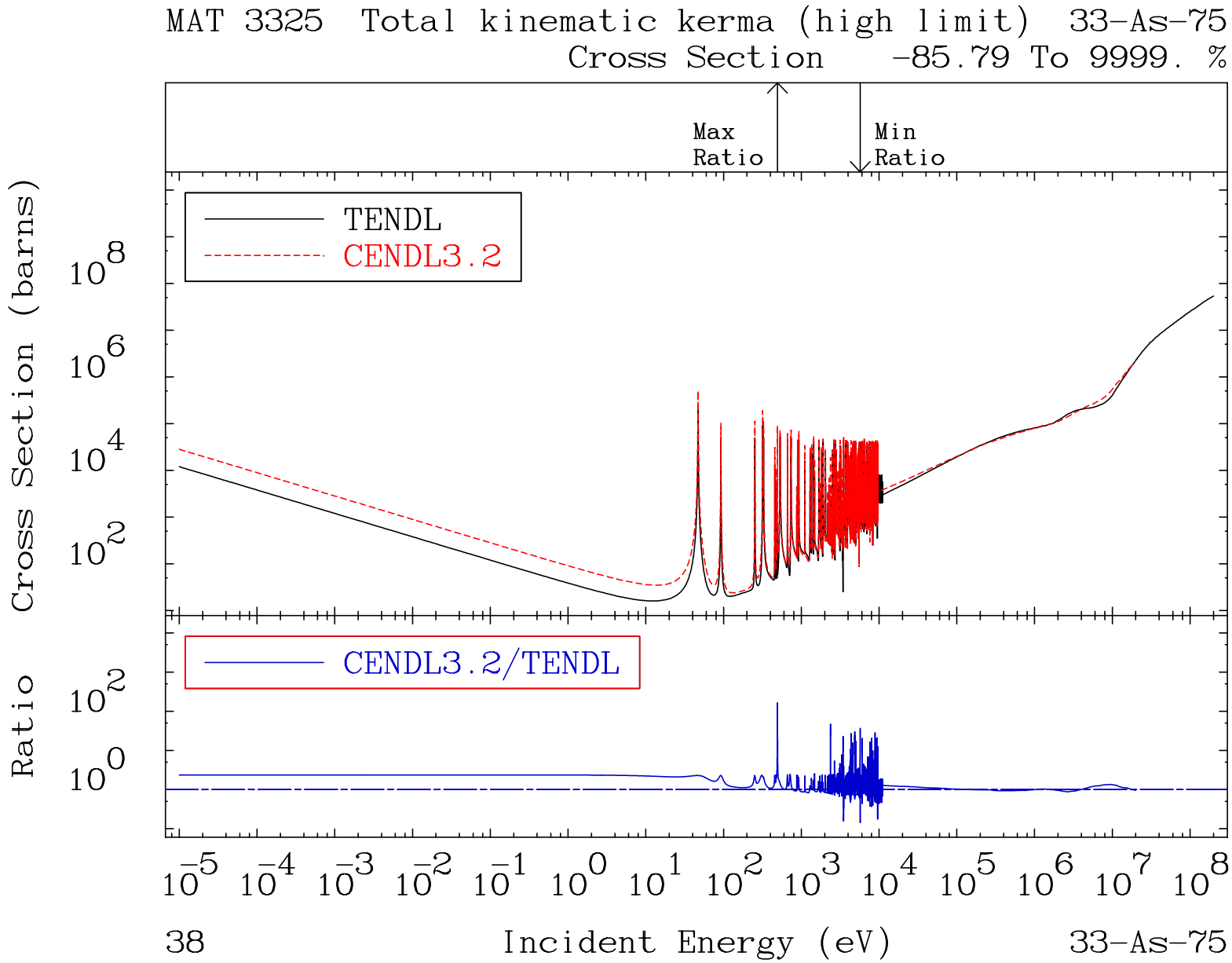

MAT 3325 Kerma non-elastic (all but mt2) 33-As-75
Cross Section -94.48 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
33
33-As-75

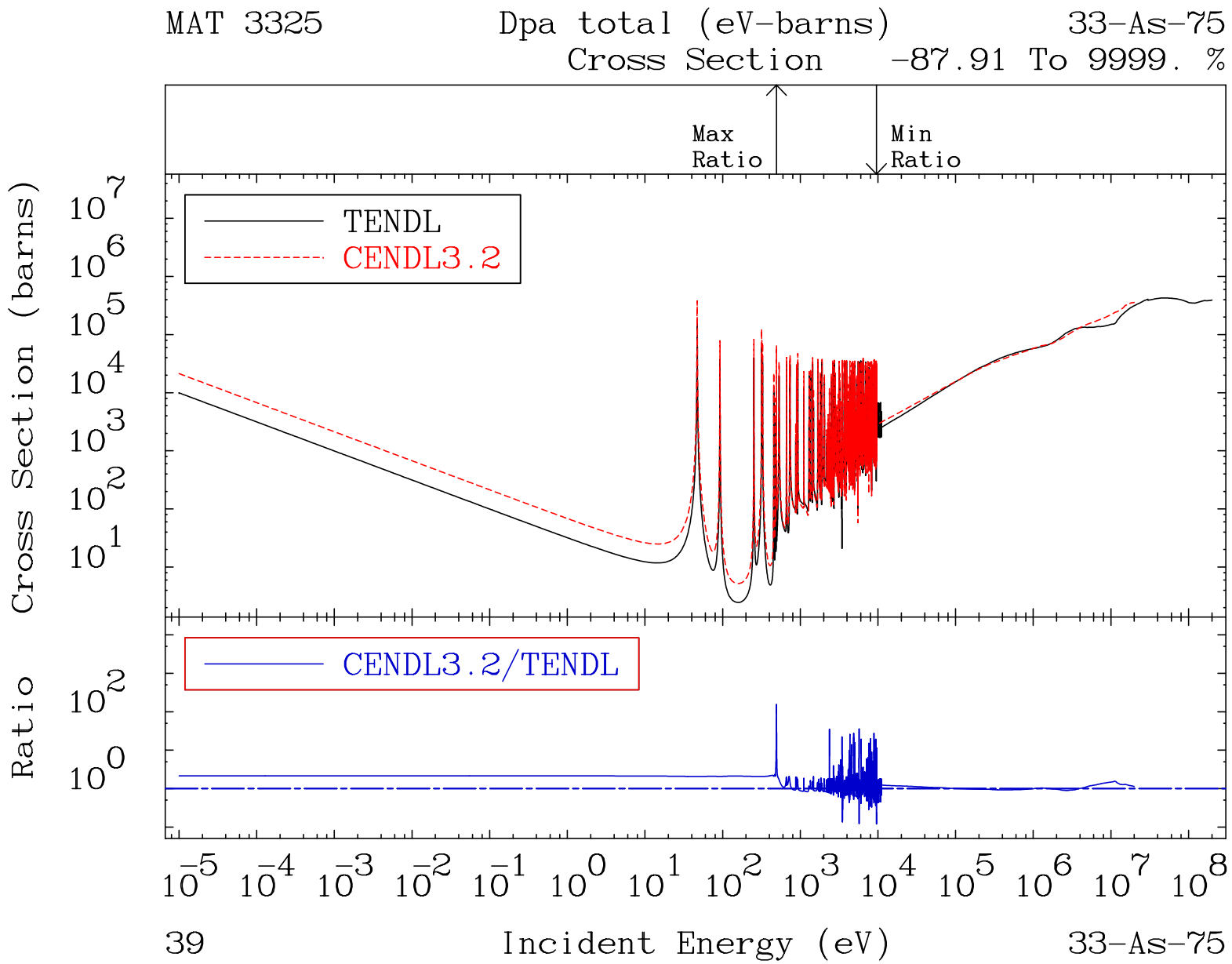

MAT 3325
Kerma inelastic (mt51-91)
33-As-75
Cross Section -30.76 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 201.28 keV
CENDL3.2 Threshold 201.28 keV
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
34
33-As-75

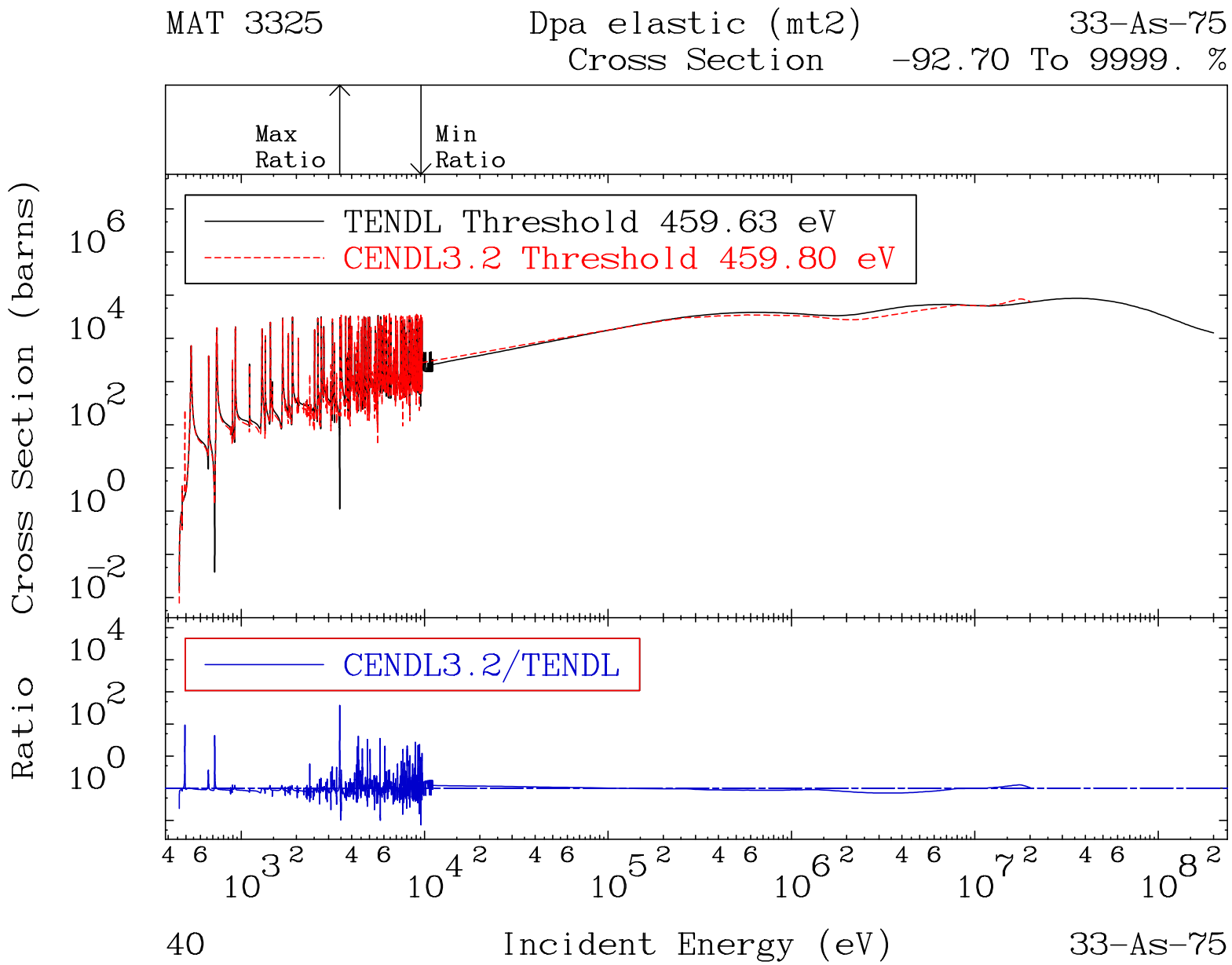

MAT 3325 Kerma fission (mt18 or mt19-20-21-38) 33-As-75
Cross Section -30.76 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{10}
10^{5}
10^{0}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
35
Incident Energy (eV)
33-As-75

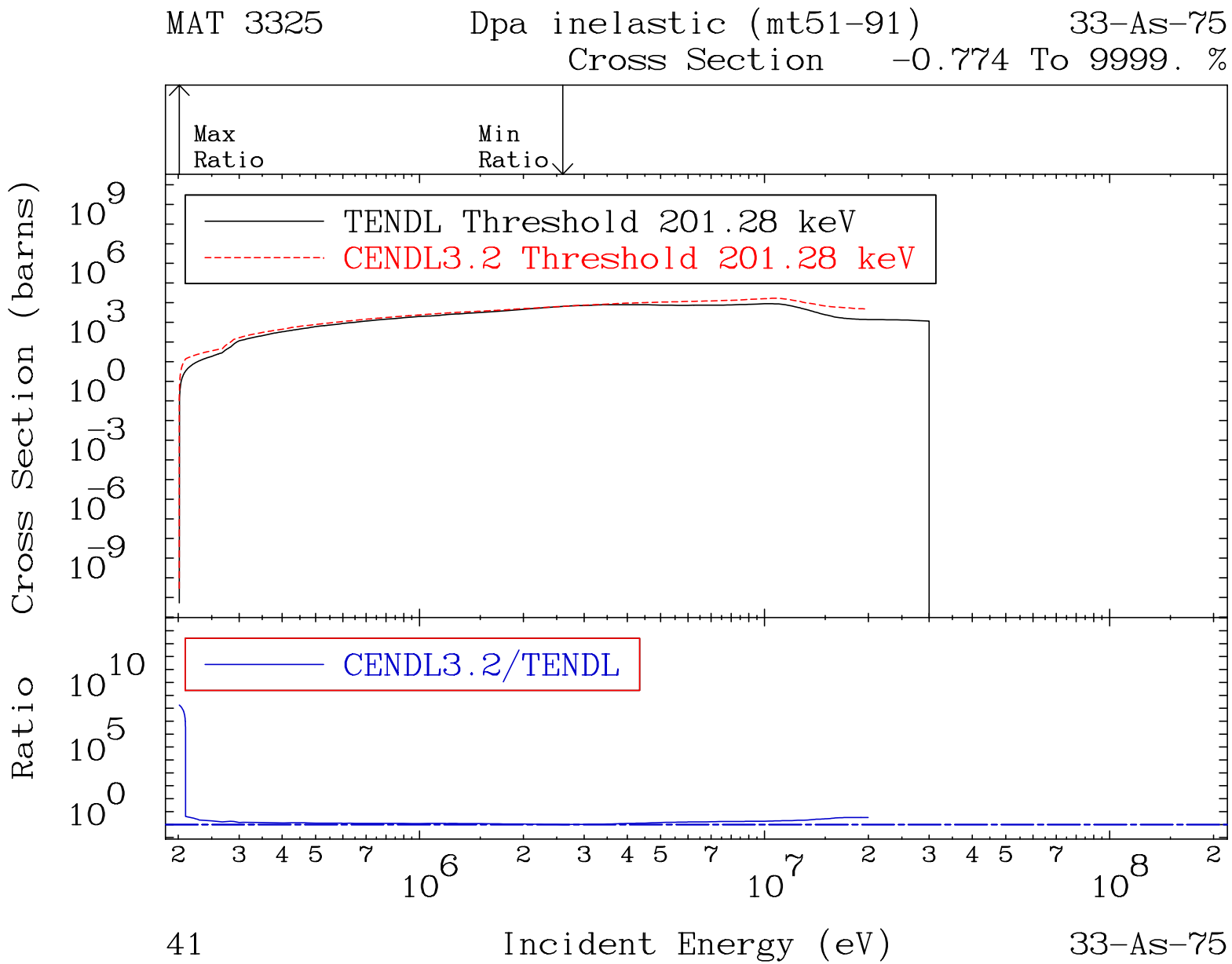

MAT 3325
Kerma capture (mt102)
33-As-75
Cross Section -94.48 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
36
33-As-75

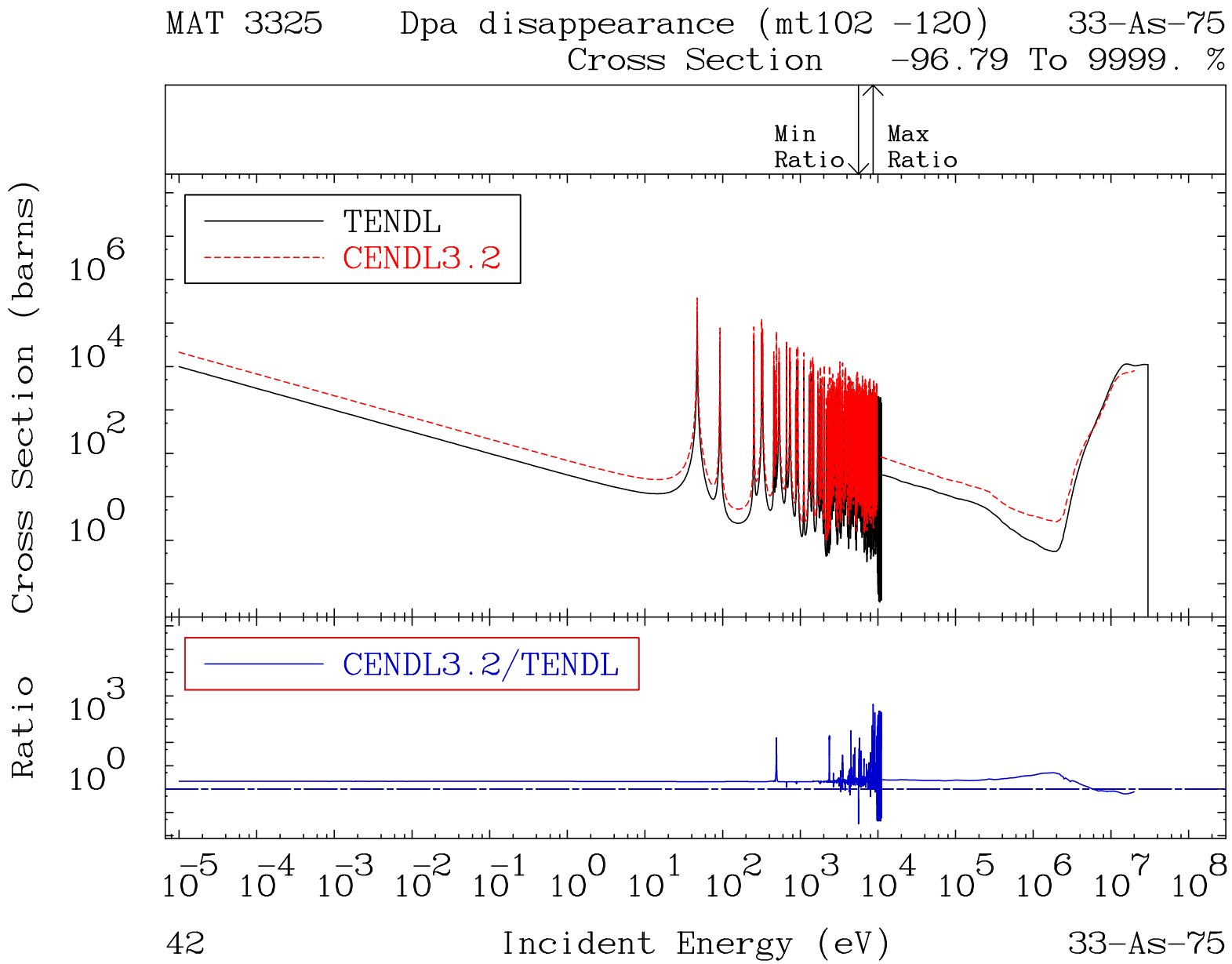

MAT 3325
Total photon (eV-barns)
33-As-75
Cross Section -98.46 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
37
33-As-75

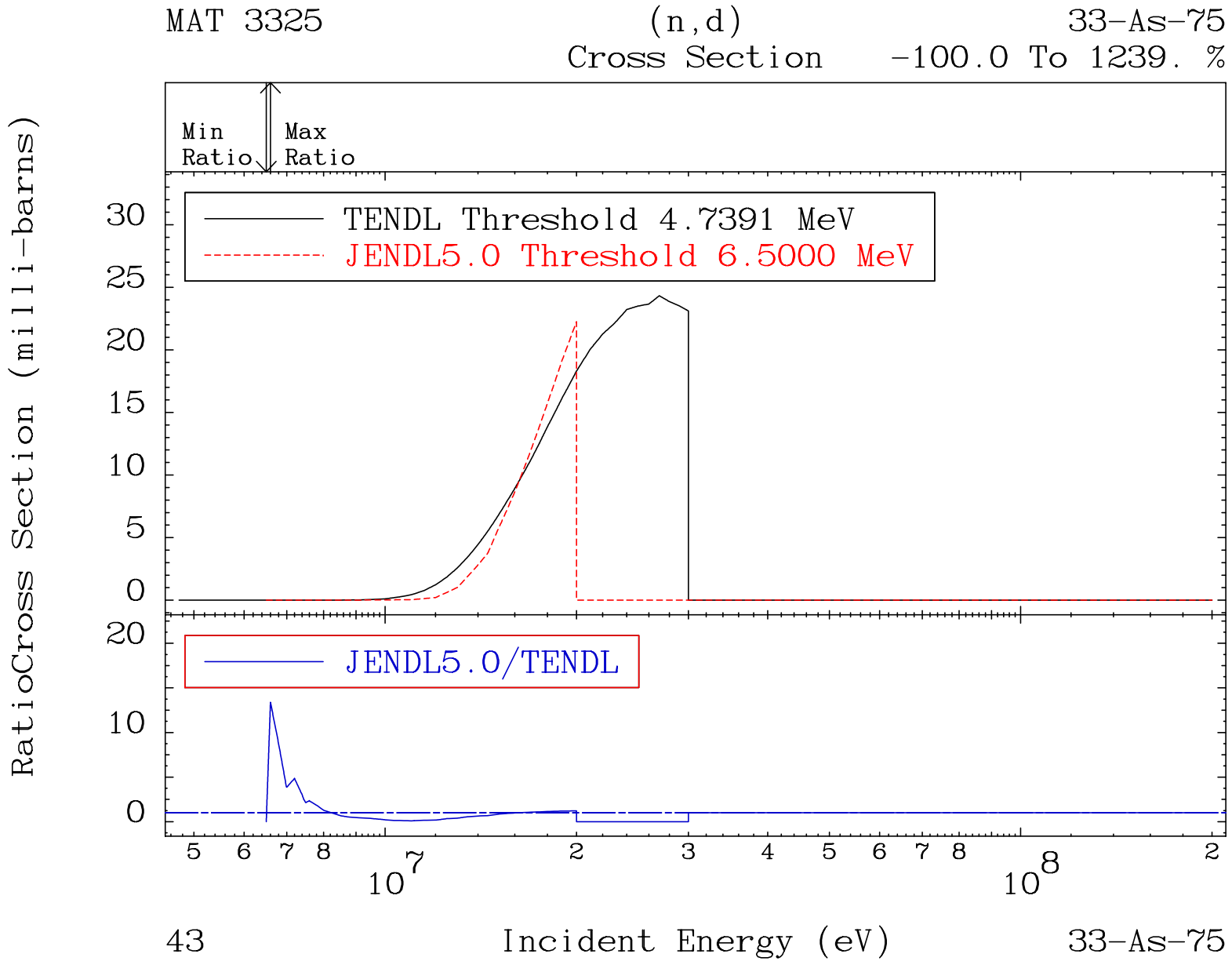

MAT 3325 Total kinematic kerma (high limit) 33-As-75
Cross Section -85.79 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
Cross Section (barns)
CENDL3.2/TENDL
Ratio
Incident Energy (eV)
38
33-As-75

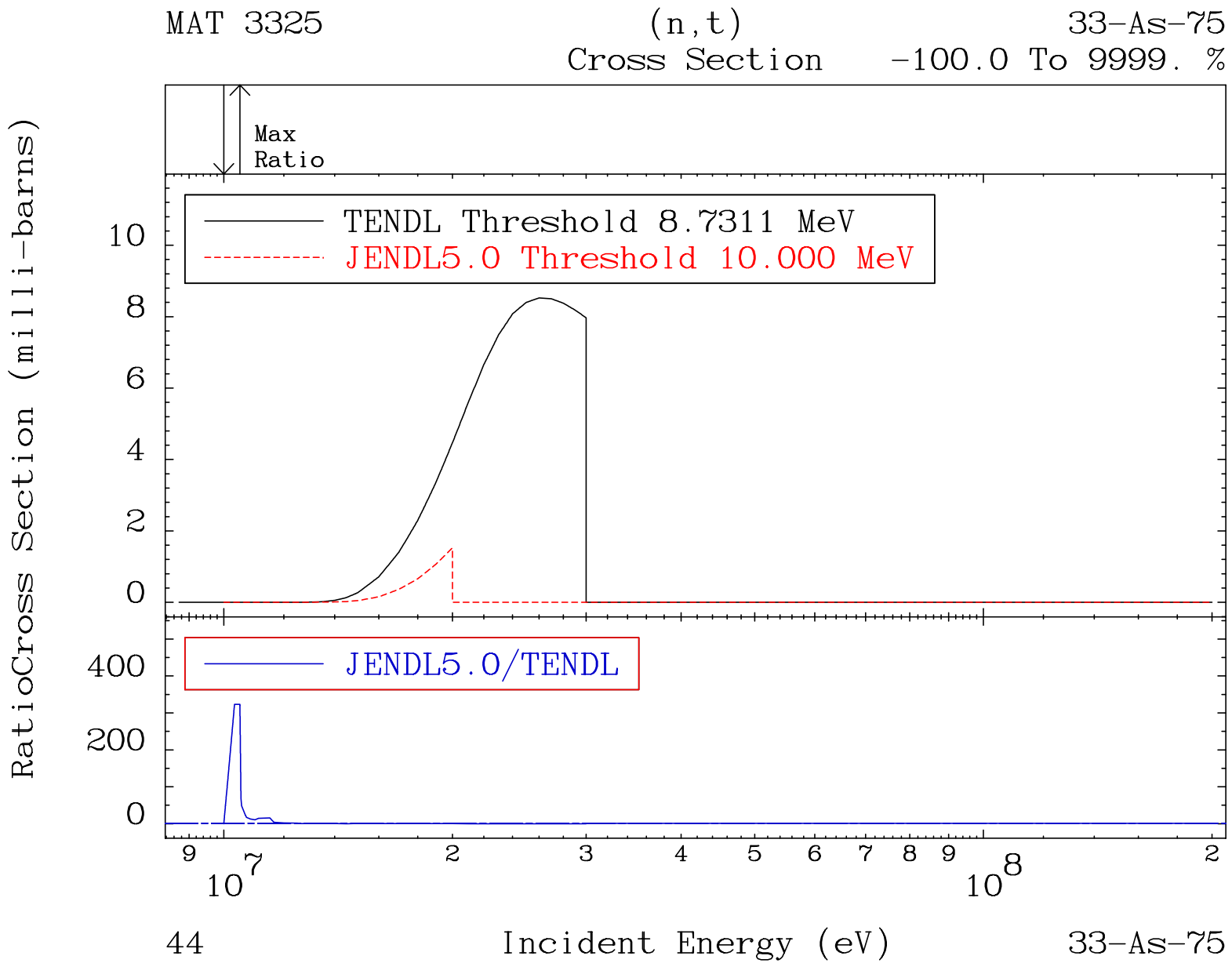

MAT 3325
Dpa total (eV-barns)
33-As-75
Cross Section -87.91 To 9999. %
Max Ratio
Min Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
39
33-As-75

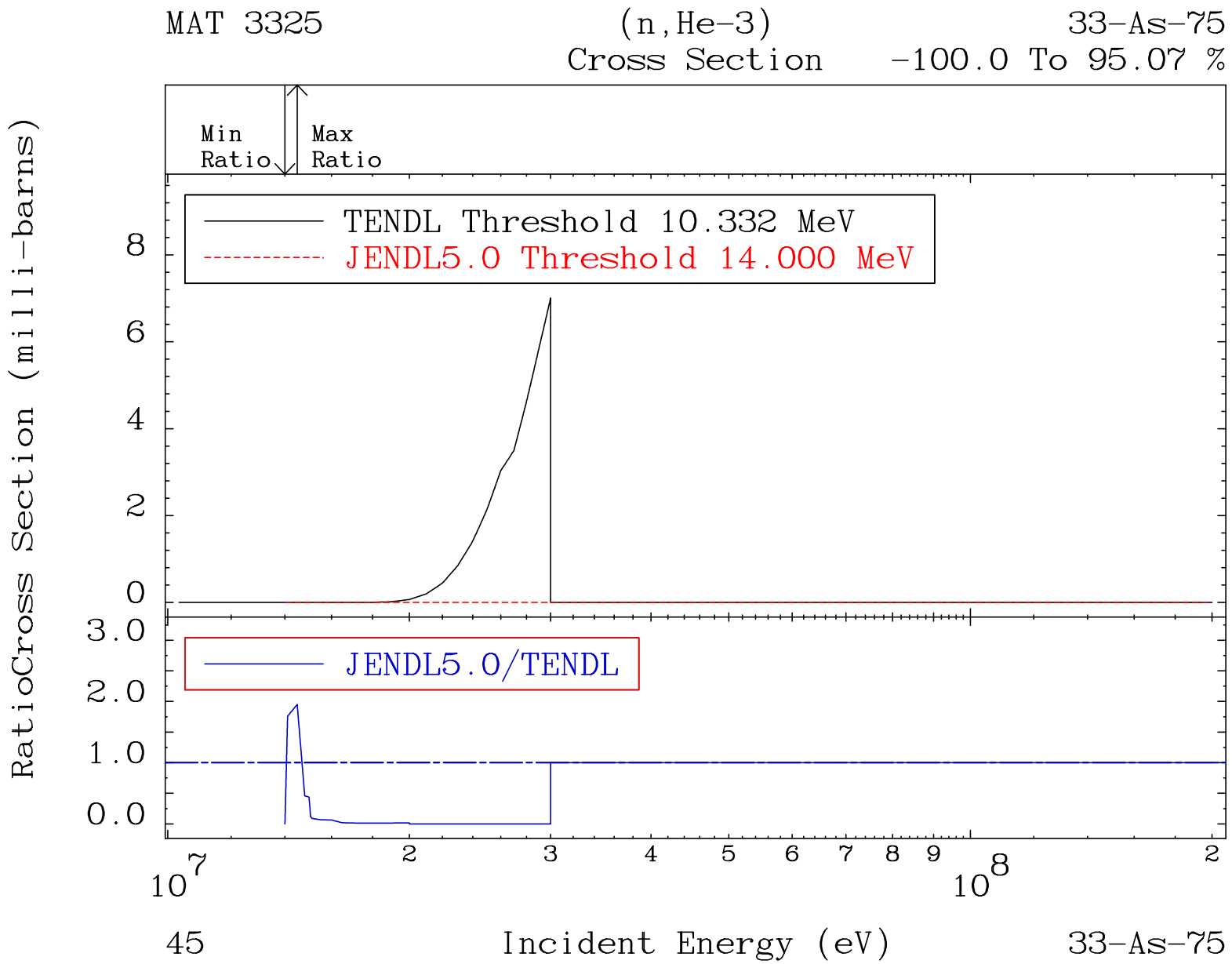

MAT 3325
Dpa elastic (mt2)
Cross Section
33-As-75
-92.70 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 459.63 eV
CENDL3.2 Threshold 459.80 eV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
40
33-As-75

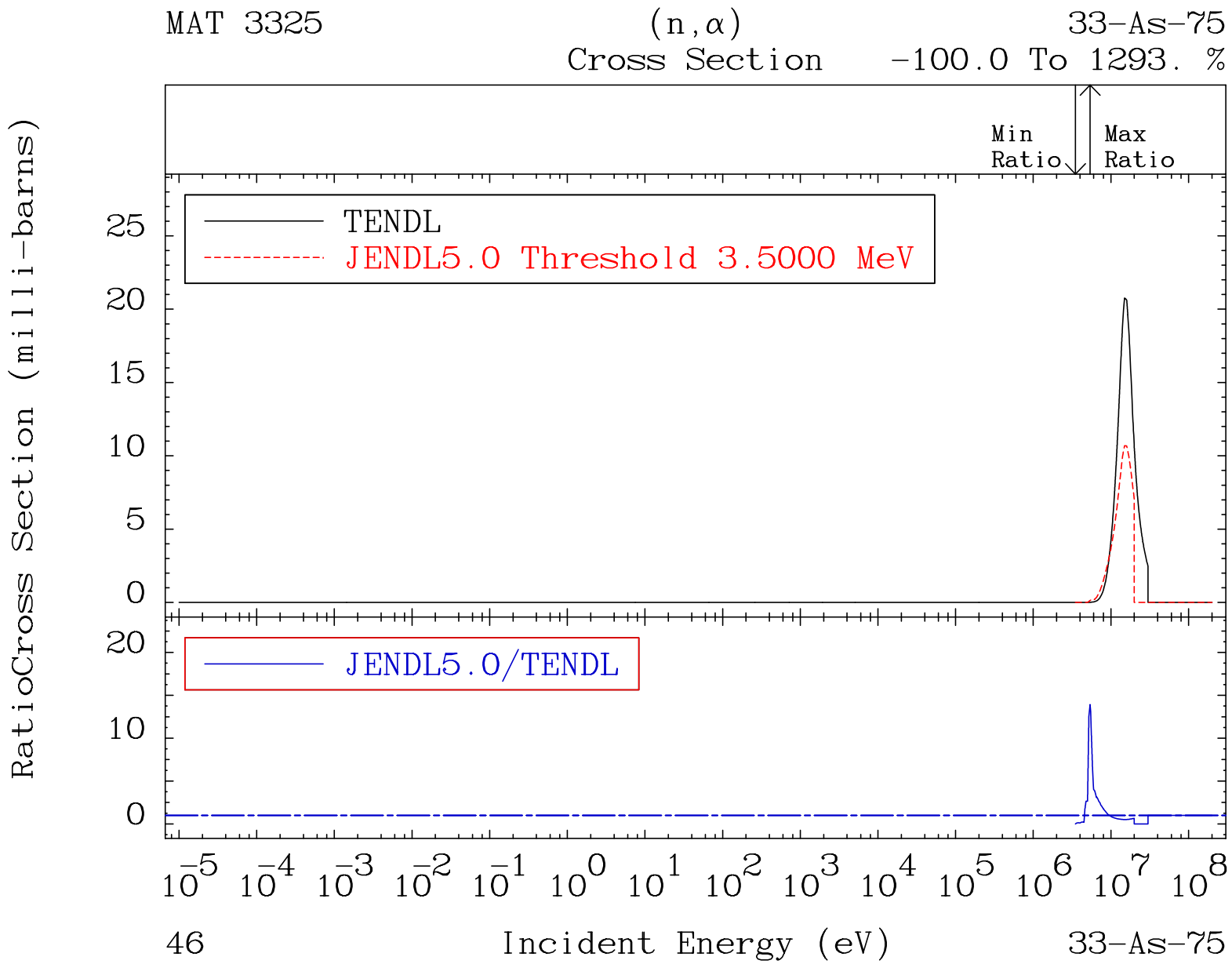

MAT 3325
Dpa inelastic (mt51-91)
33-As-75
Cross Section -0.774 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 201.28 keV
CENDL3.2 Threshold 201.28 keV
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
33-As-75

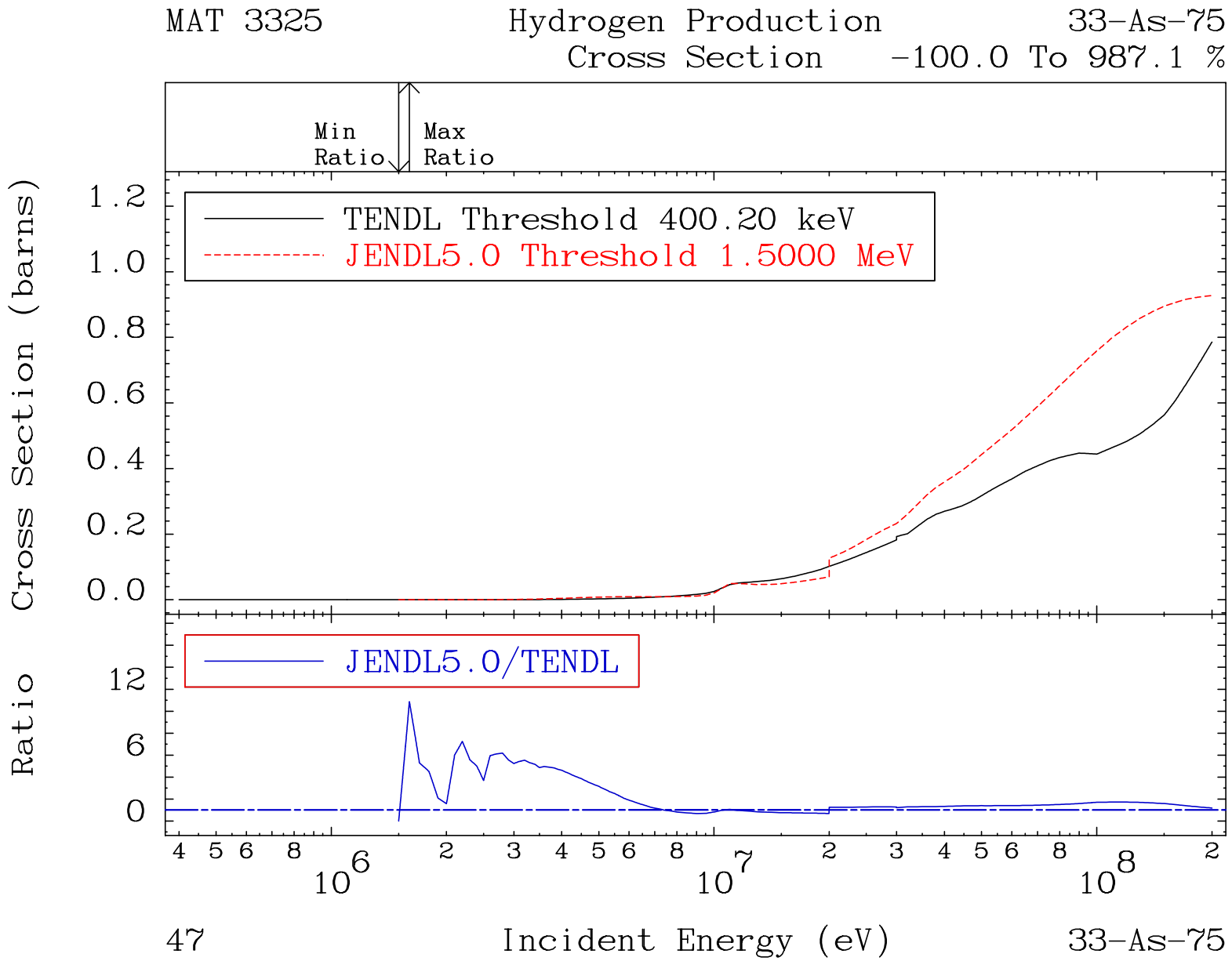

MAT 3325 Dpa disappearance (mt102 -120) 33-As-75
Cross Section -96.79 To 9999. %
Min Ratio
Max Ratio
TENDL
CENDL3.2
CENDL3.2/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
42
33-As-75

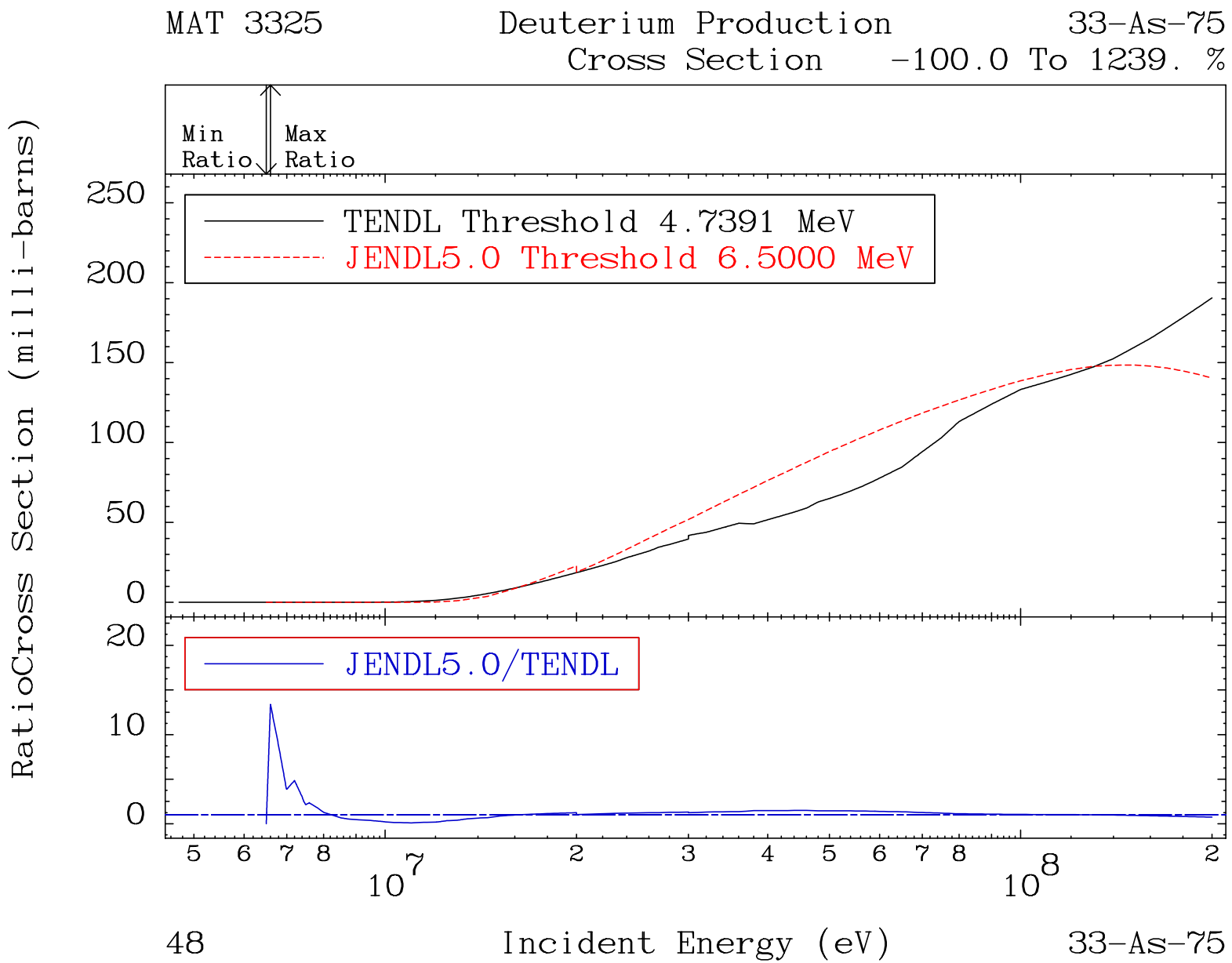

MAT 3325
(n,d)
33-As-75
Cross Section
-100.0 To 1239. %
Min Ratio
Max Ratio
TENDL Threshold 4.7391 MeV
JENDL5.0 Threshold 6.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
25
20
15
10
5
0
20
10
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
43
Incident Energy (eV)
33-As-75

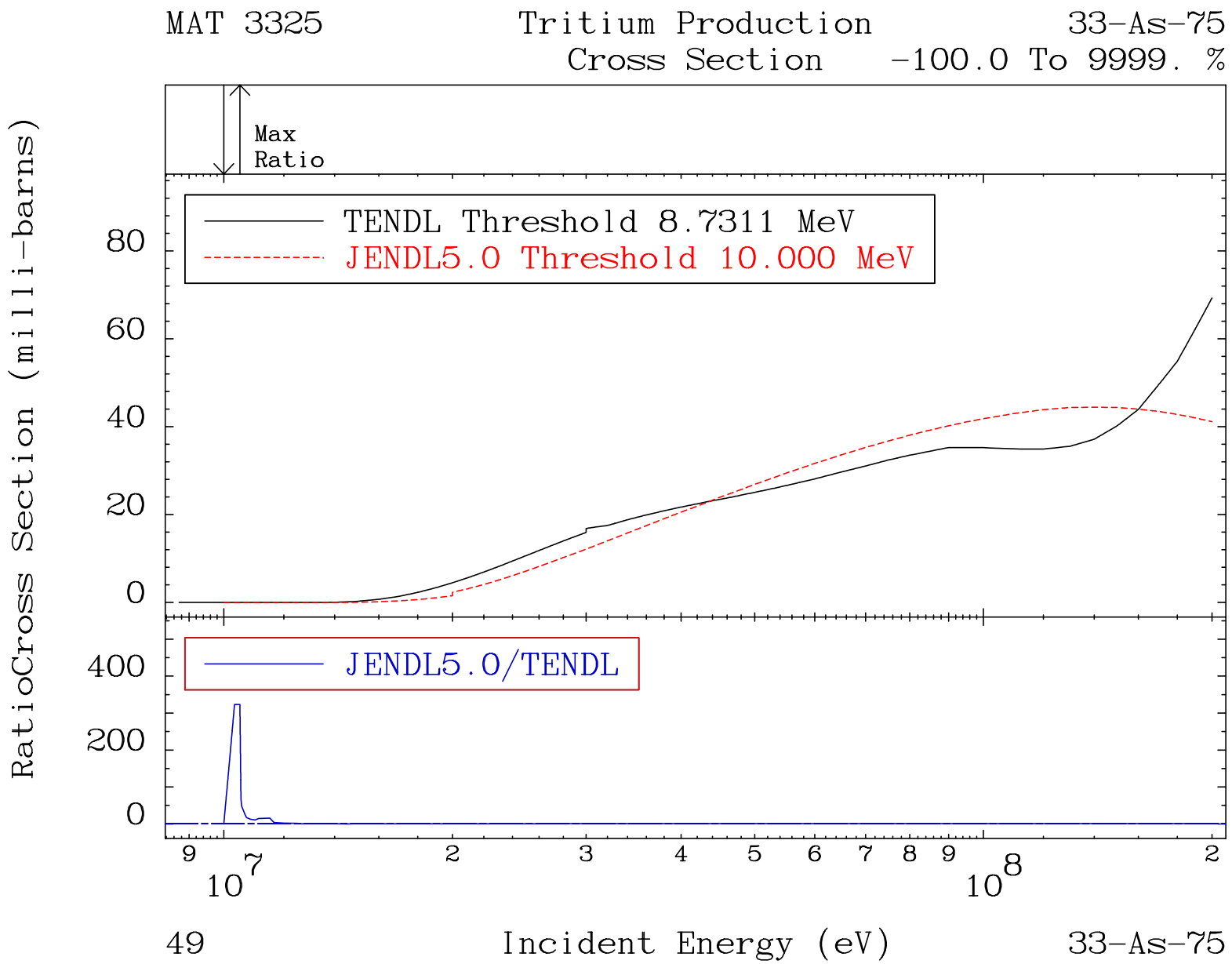

MAT 3325
(n,t)
33-As-75
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 8.7311 MeV
JENDL5.0 Threshold 10.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
400
200
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
44
Incident Energy (eV)
33-As-75

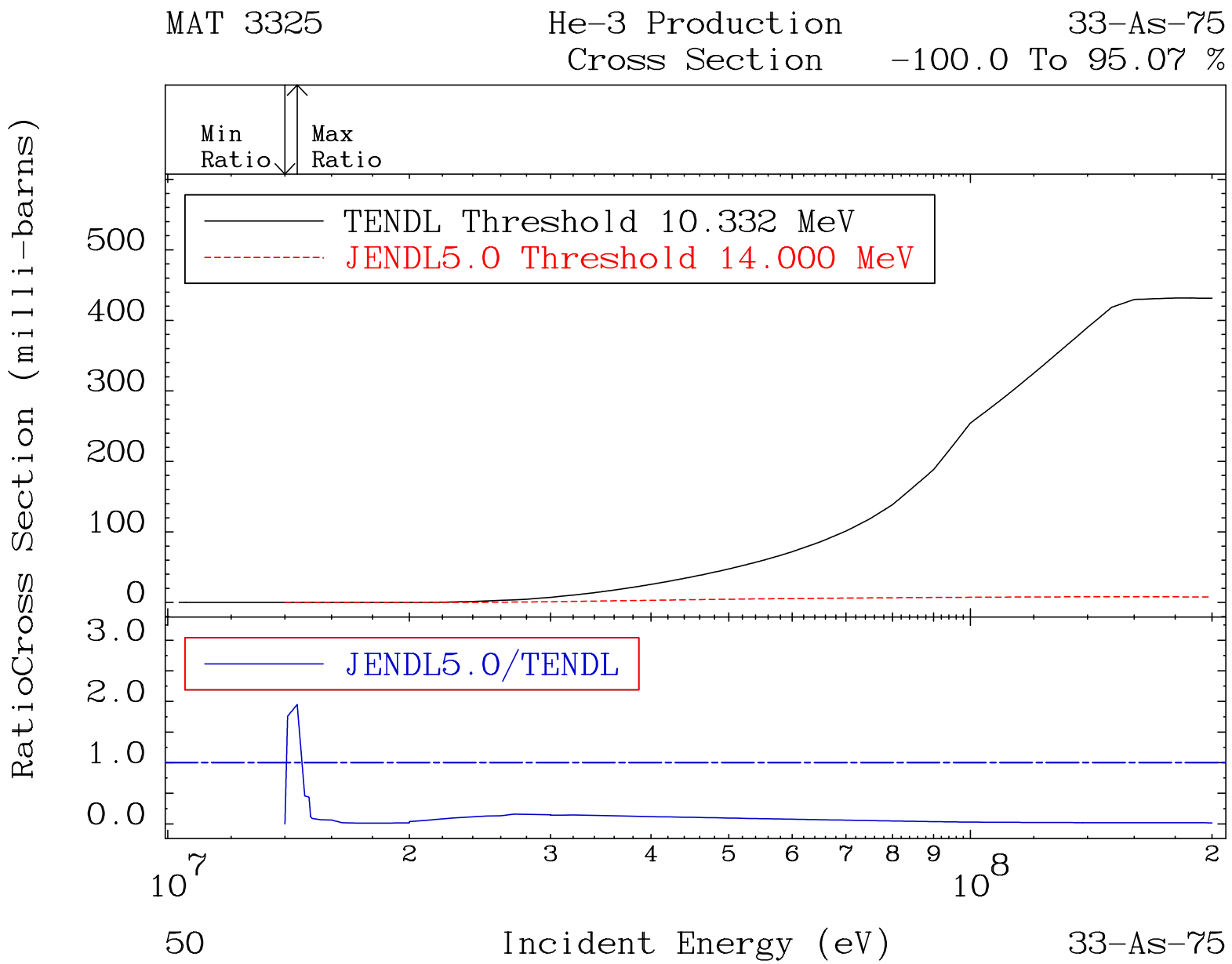

MAT 3325
(n,He-3)
Cross Section
33-As-75
-100.0 To 95.07 %
Min Ratio
Max Ratio
TENDL Threshold 10.332 MeV
JENDL5.0 Threshold 14.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
45
33-As-75

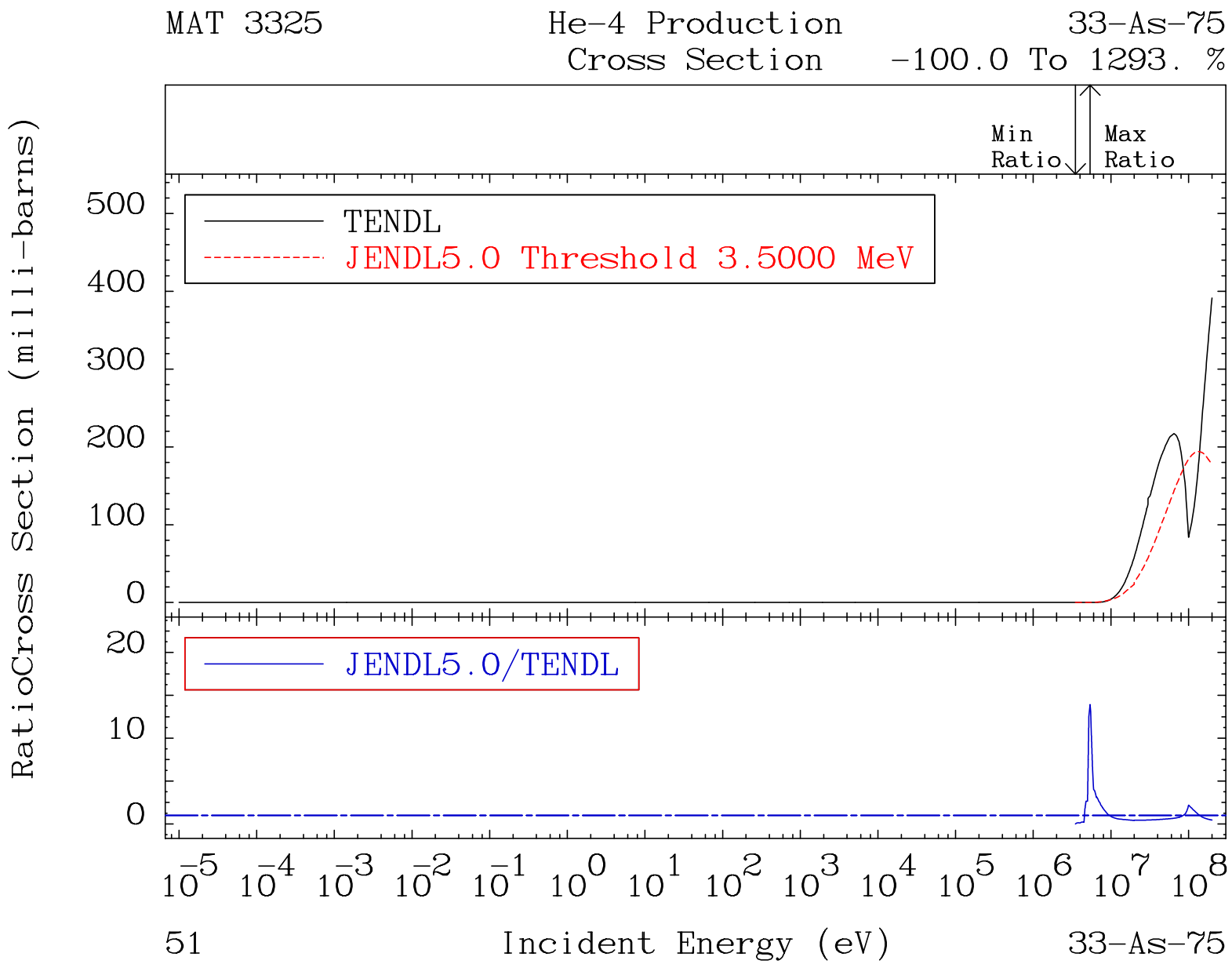

MAT 3325
(n,α)
33-As-75
Cross Section
-100.0 To 1293. %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 3.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
20
10
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
46
Incident Energy (eV)
33-As-75

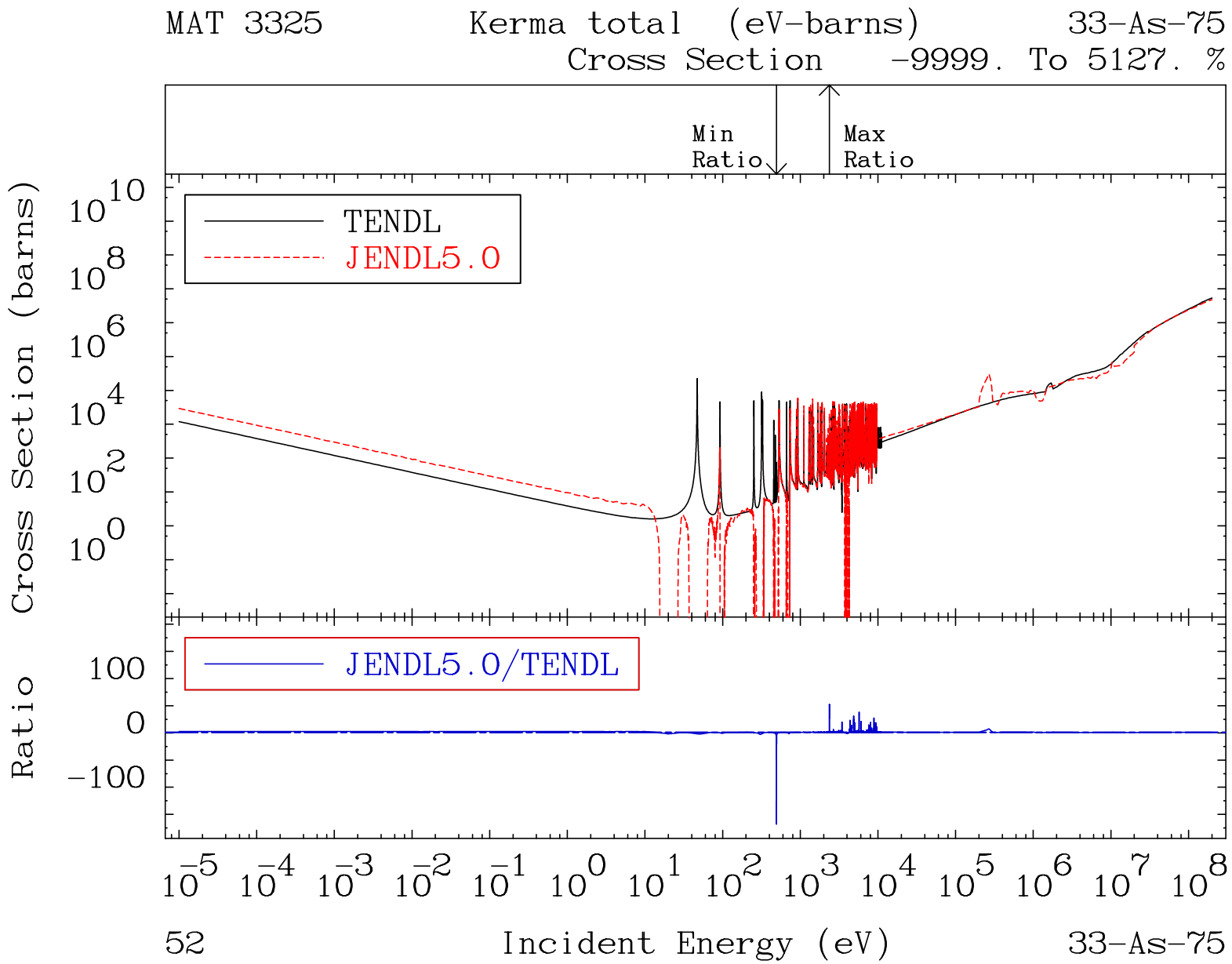

MAT 3325
Hydrogen Production
33-As-75
Cross Section
-100.0 To 987.1 %
Min Ratio
Max Ratio
TENDL Threshold 400.20 keV
JENDL5.0 Threshold 1.5000 MeV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
12
6
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
47
Incident Energy (eV)
33-As-75

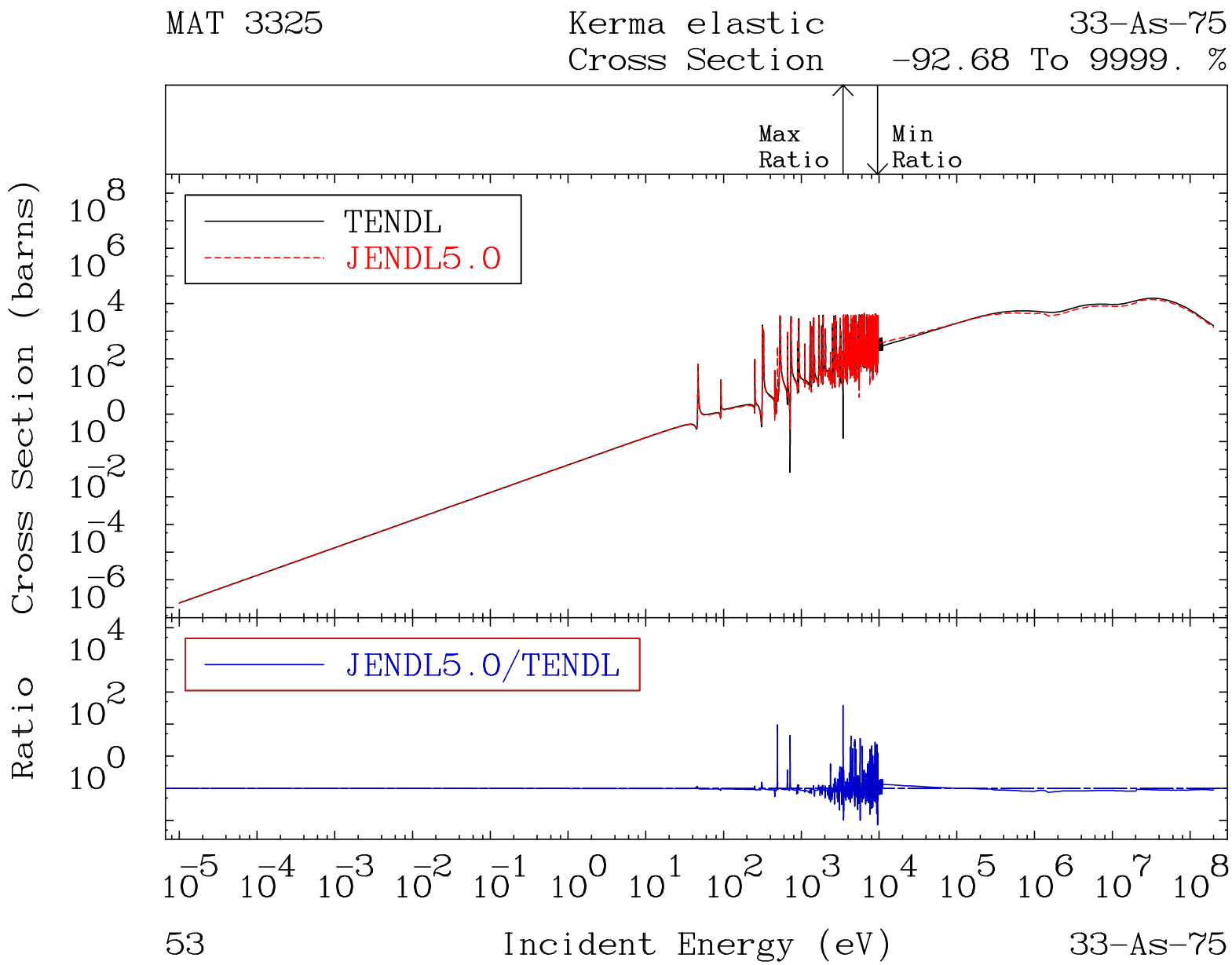

MAT 3325
Deuterium Production
33-As-75
Cross Section -100.0 To 1239. %
Min Ratio
Max Ratio
TENDL Threshold 4.7391 MeV
JENDL5.0 Threshold 6.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
20
10
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
48
Incident Energy (eV)
33-As-75

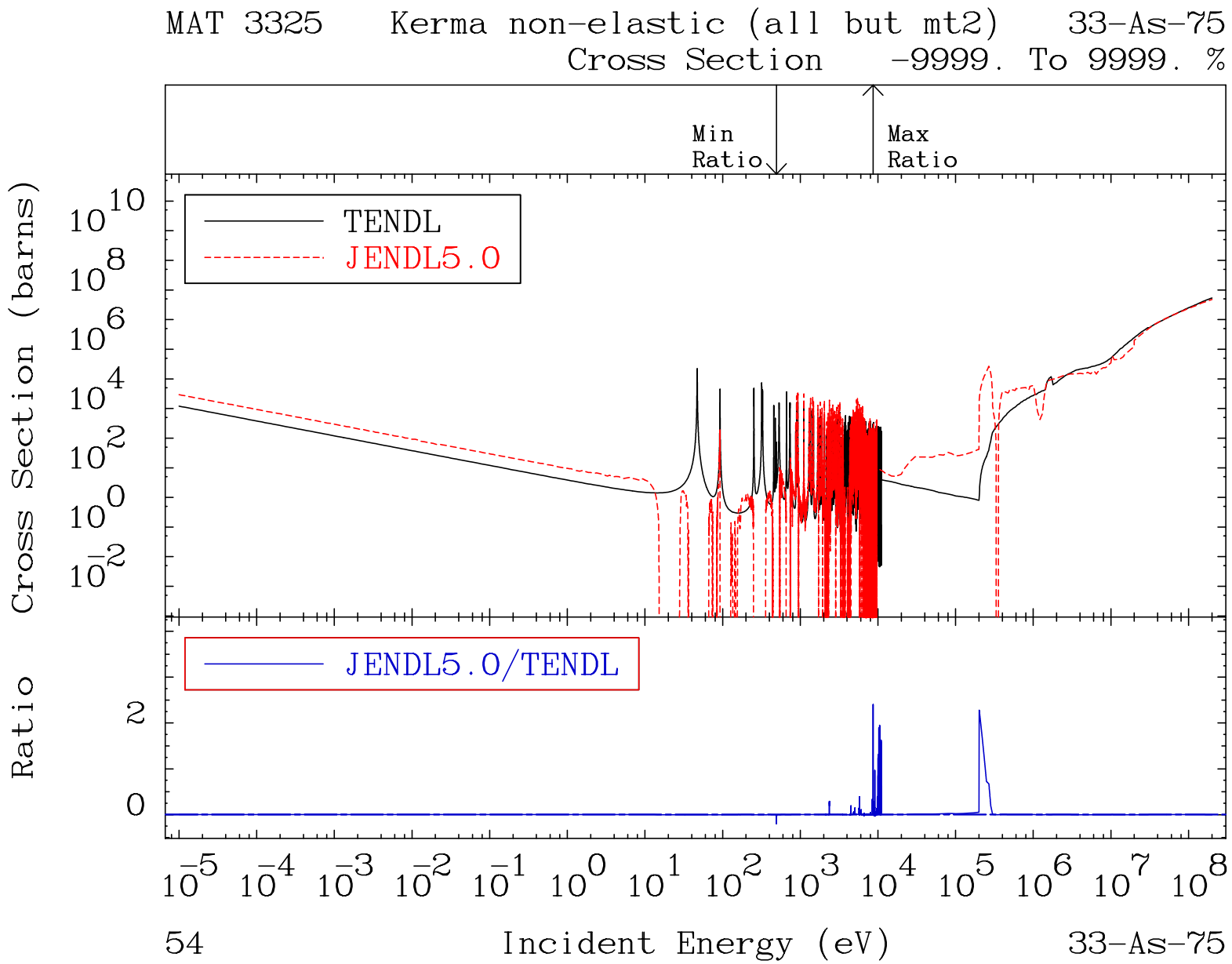

MAT 3325
Tritium Production
33-As-75
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 8.7311 MeV
JENDL5.0 Threshold 10.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
400
200
0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
49
Incident Energy (eV)
33-As-75

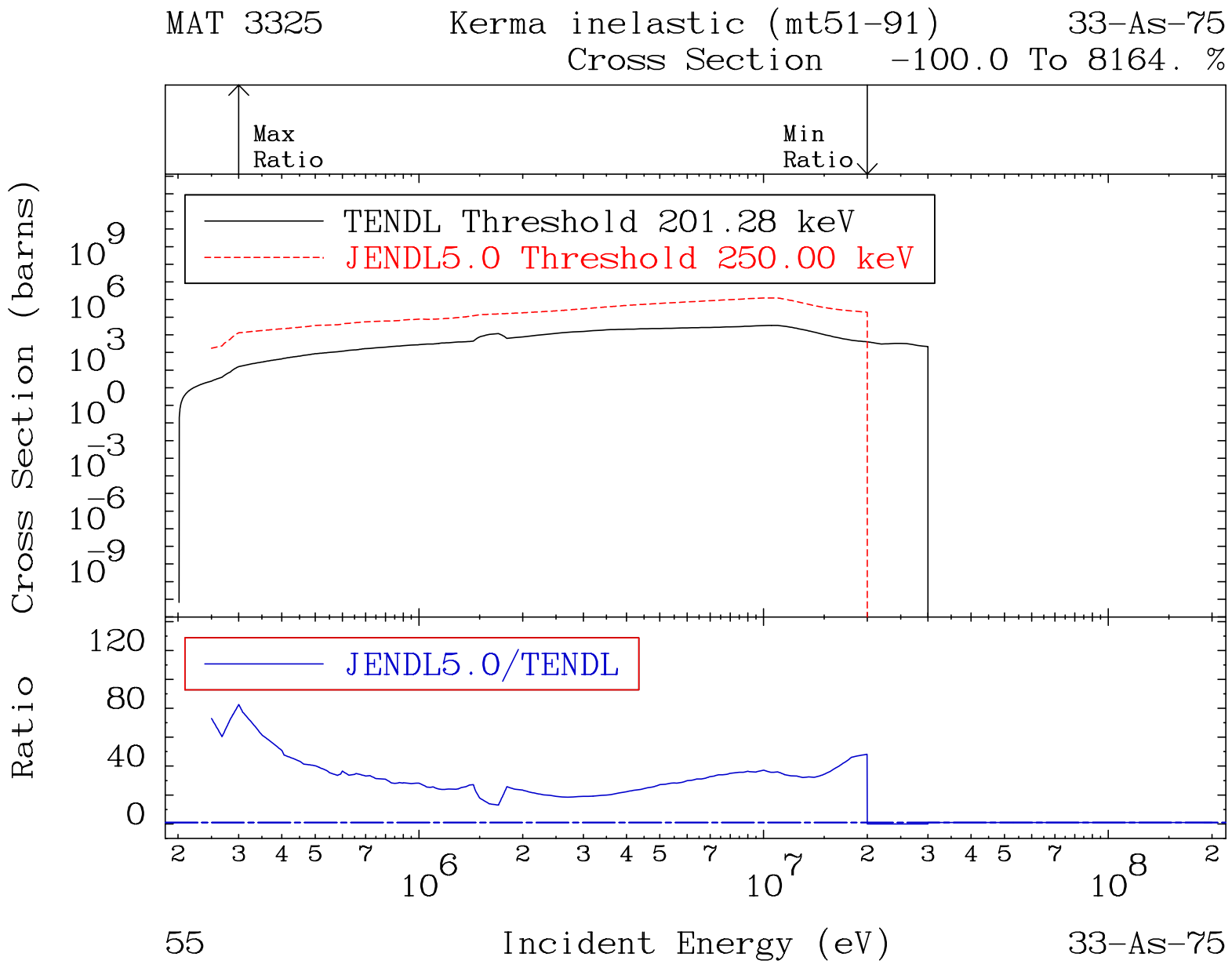

MAT 3325
He-3 Production
Cross Section
33-As-75
-100.0 To 95.07 %
Min Ratio
Max Ratio
TENDL Threshold 10.332 MeV
JENDL5.0 Threshold 14.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
3.0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
50
Incident Energy (eV)
33-As-75

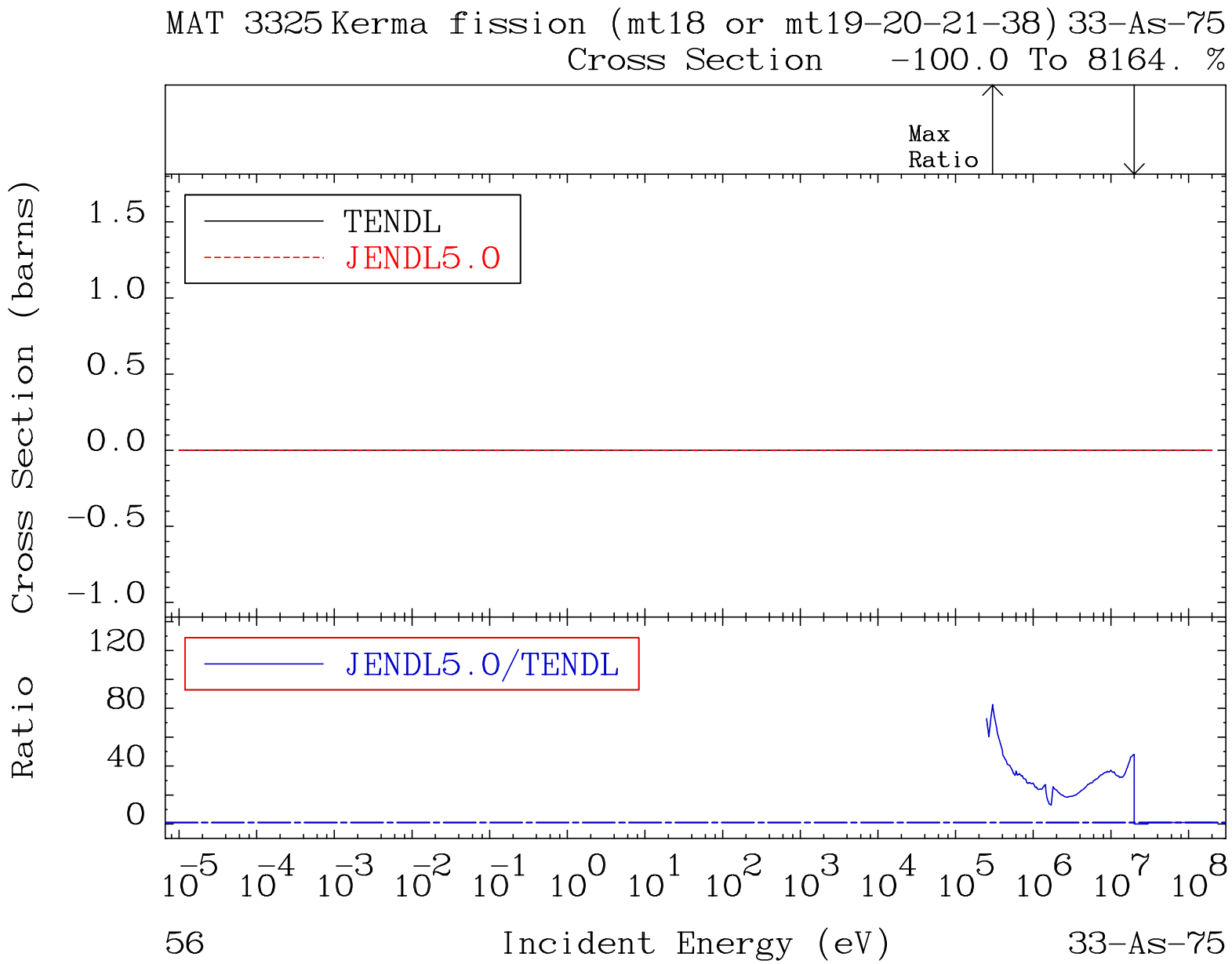

MAT 3325
He-4 Production
Cross Section
33-As-75
-100.0 To 1293. %
Min Ratio
Max Ratio
TENDL
JENDL5.0 Threshold 3.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
20
10
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
51
Incident Energy (eV)
33-As-75

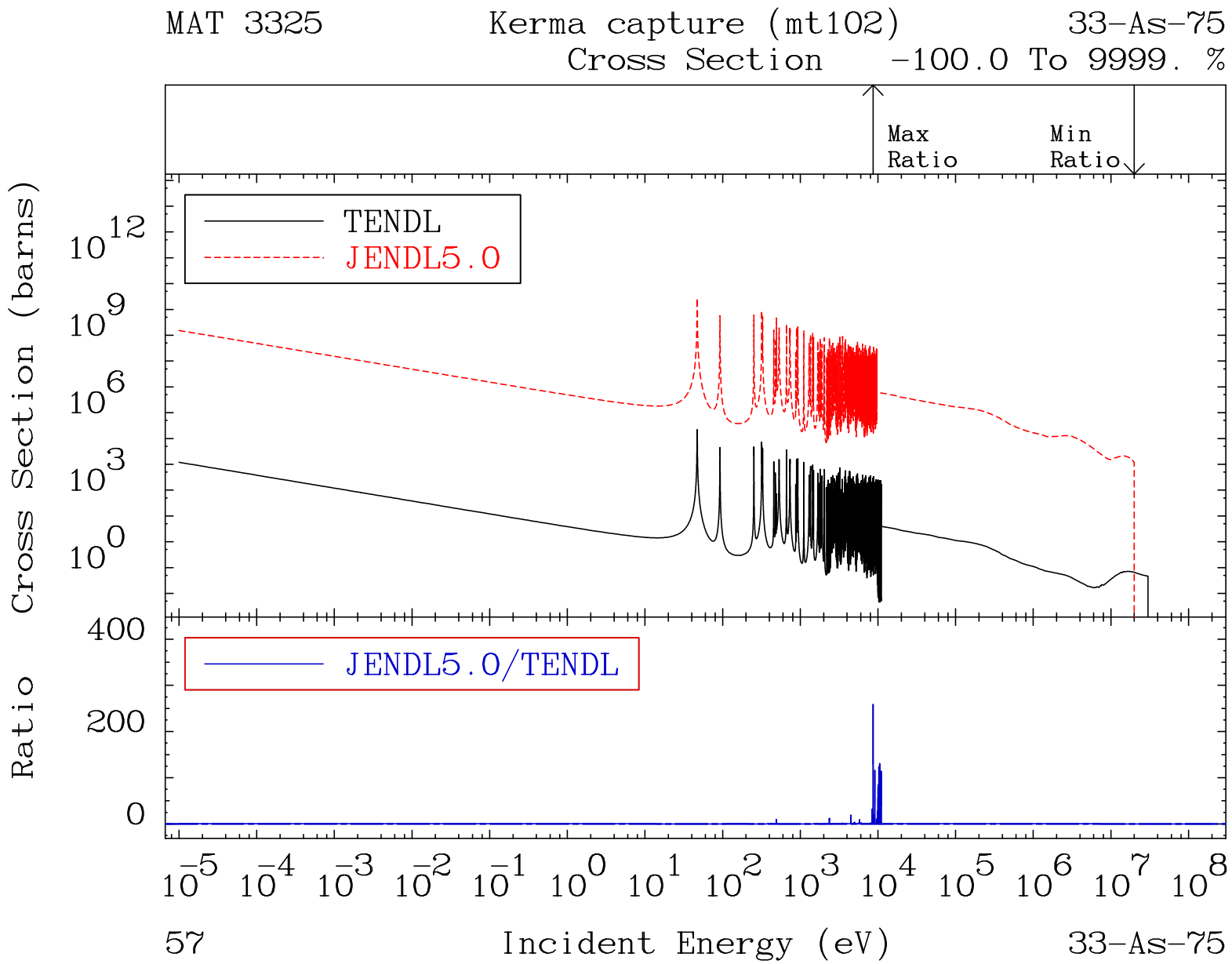

MAT 3325
Kerma total (eV-barns)
33-As-75
Cross Section -9999. To 5127. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
52
33-As-75

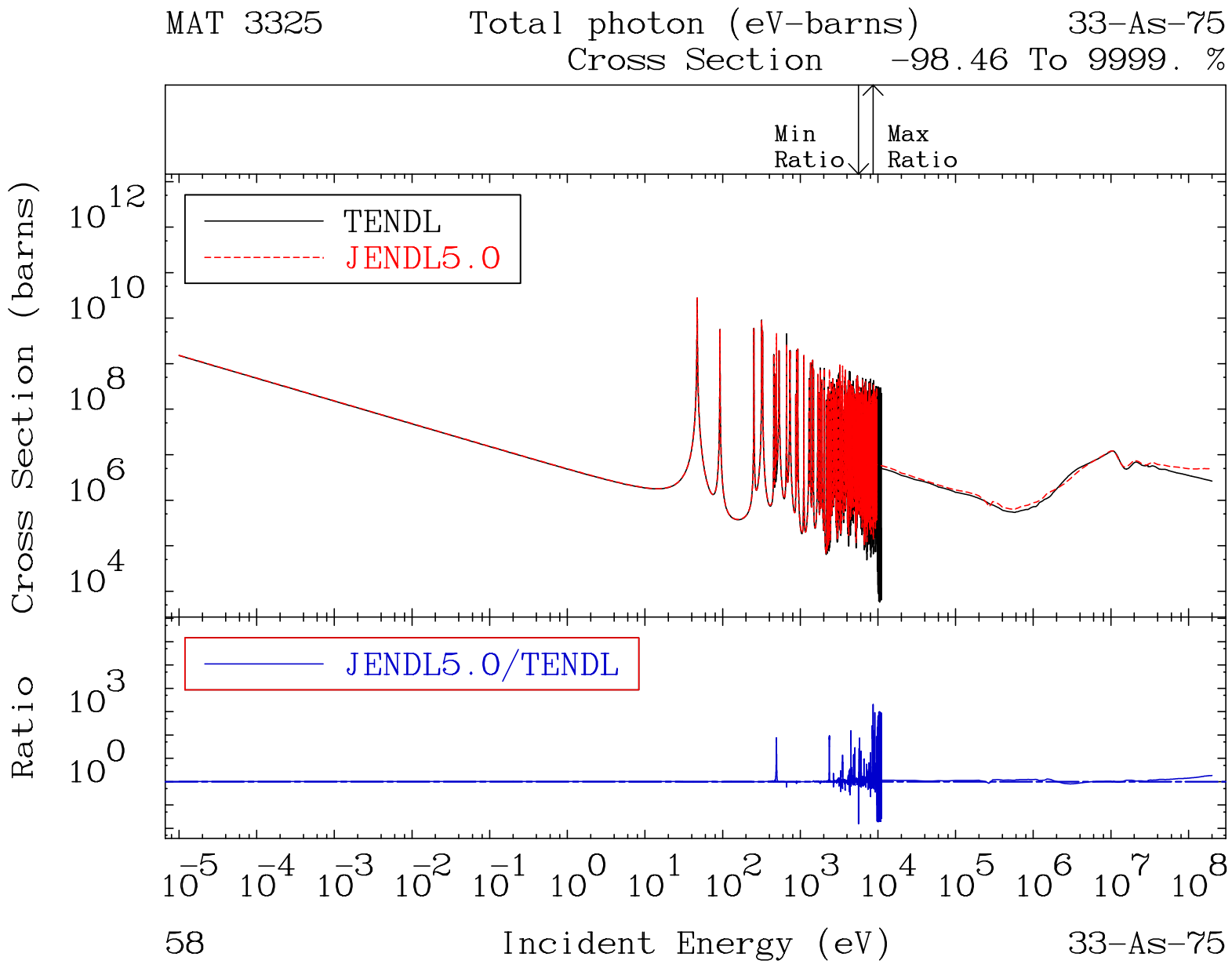

MAT 3325
Kerma elastic
Cross Section
33-As-75
-92.68 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
53
33-As-75

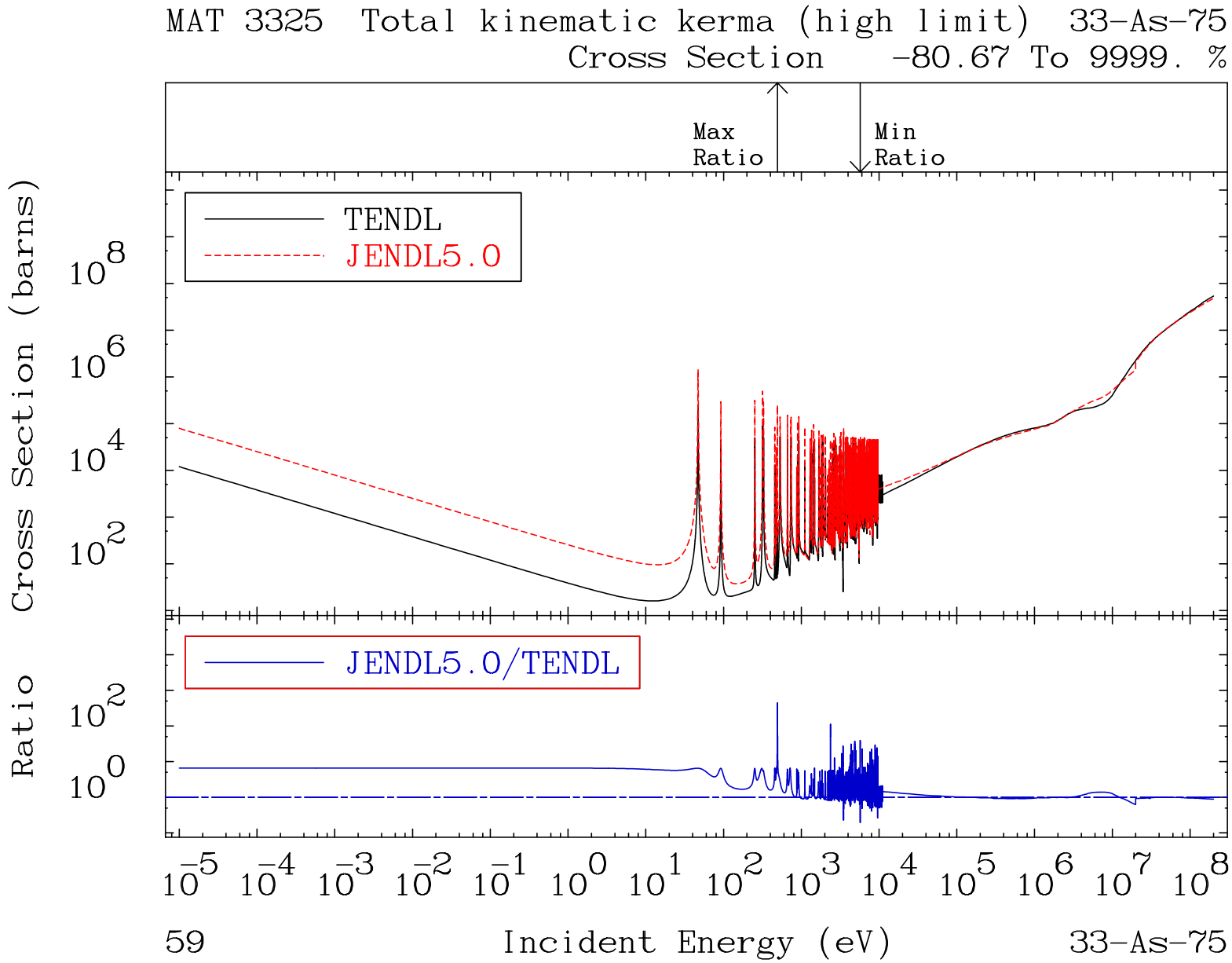

MAT 3325 Kerma non-elastic (all but mt2) 33-As-75
Cross Section -9999. To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
54
33-As-75

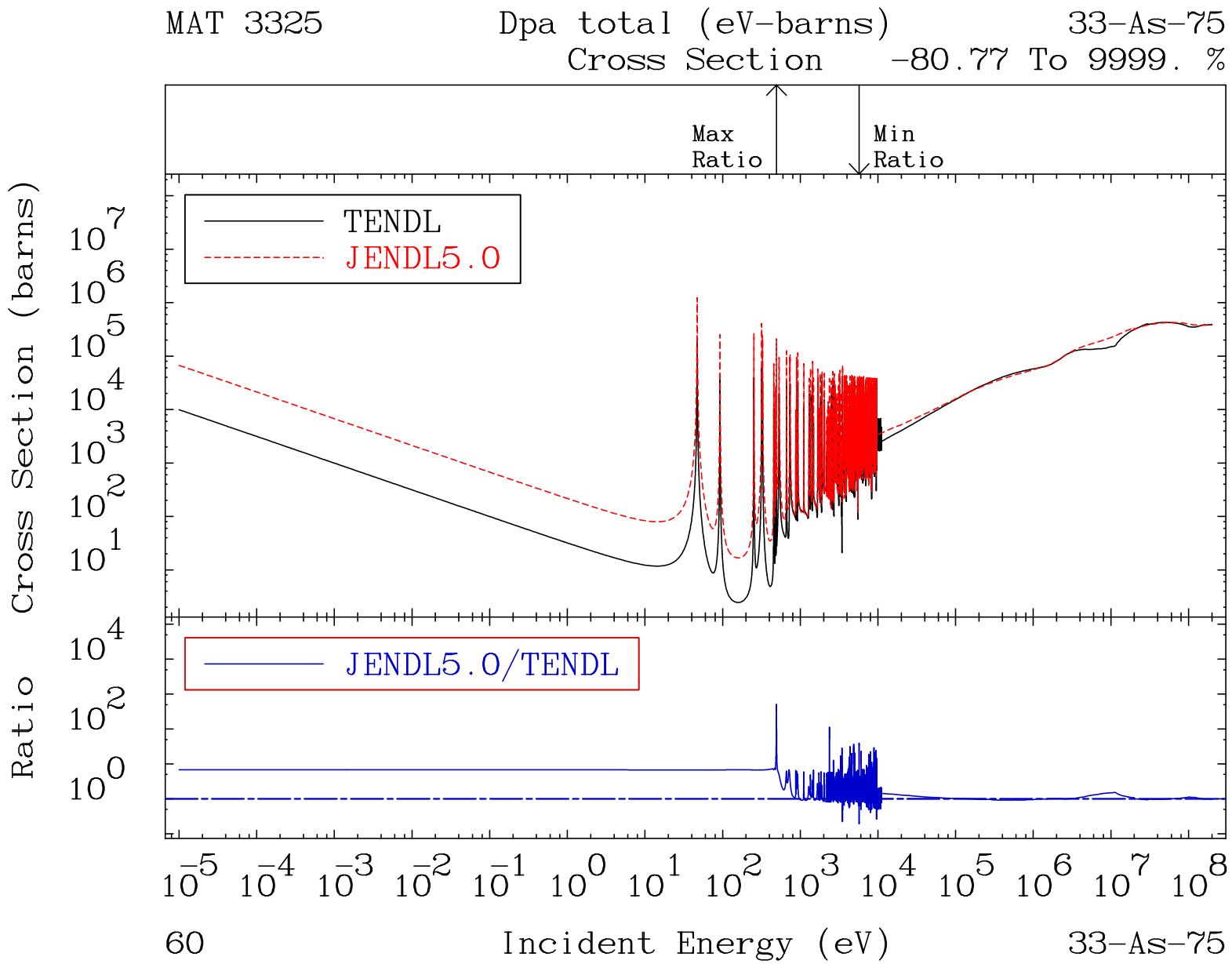

MAT 3325
Kerma inelastic (mt51-91)
33-As-75
Cross Section -100.0 To 8164. %
Max Ratio
Min Ratio
TENDL Threshold 201.28 keV
JENDL5.0 Threshold 250.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
55
33-As-75

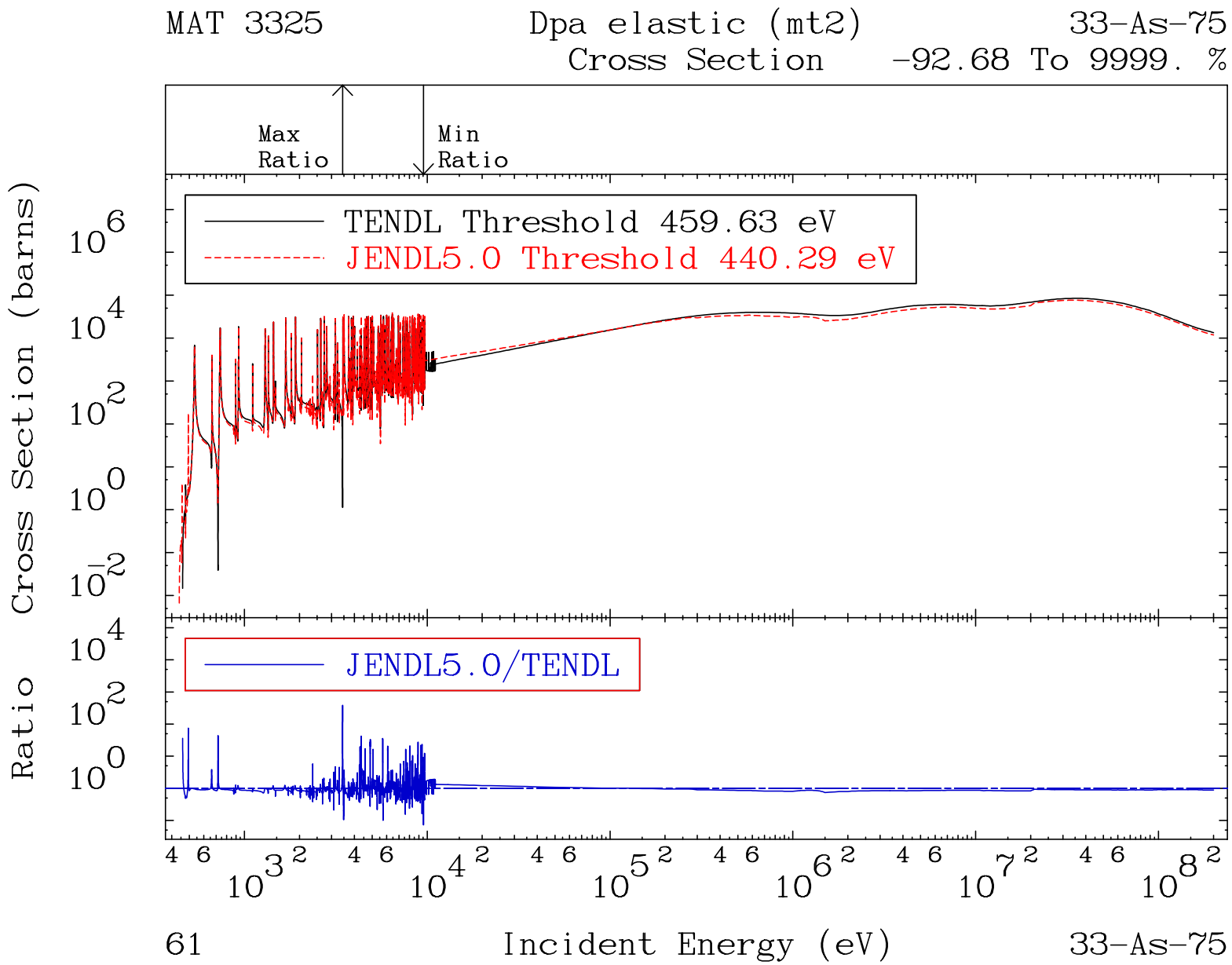

MAT 3325 Kerma fission (mt18 or mt19-20-21-38) 33-As-75
Cross Section -100.0 To 8164. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
120
80
40
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
56
Incident Energy (eV)
33-As-75

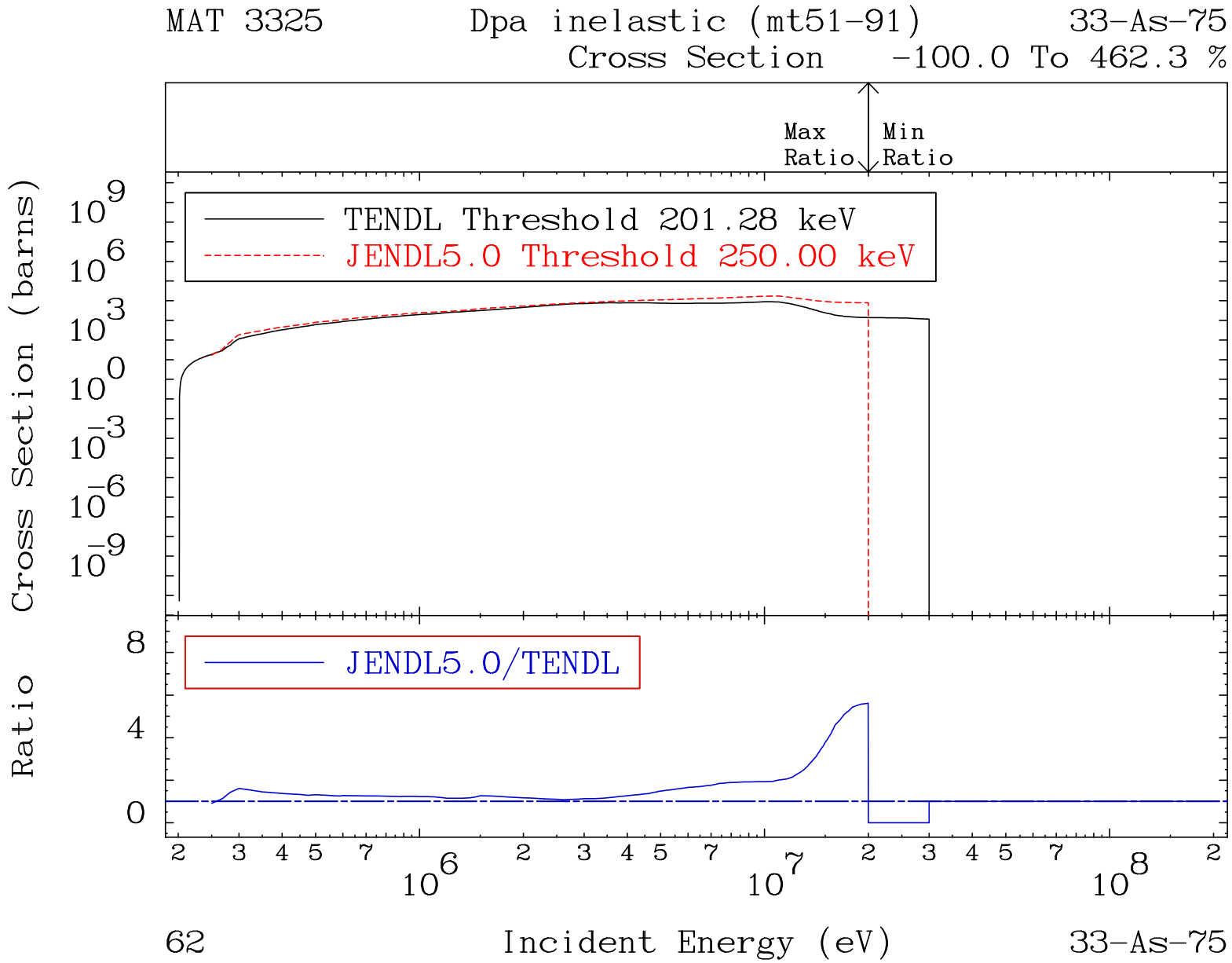

MAT 3325
Kerma capture (mt102)
33-As-75
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
57
33-As-75

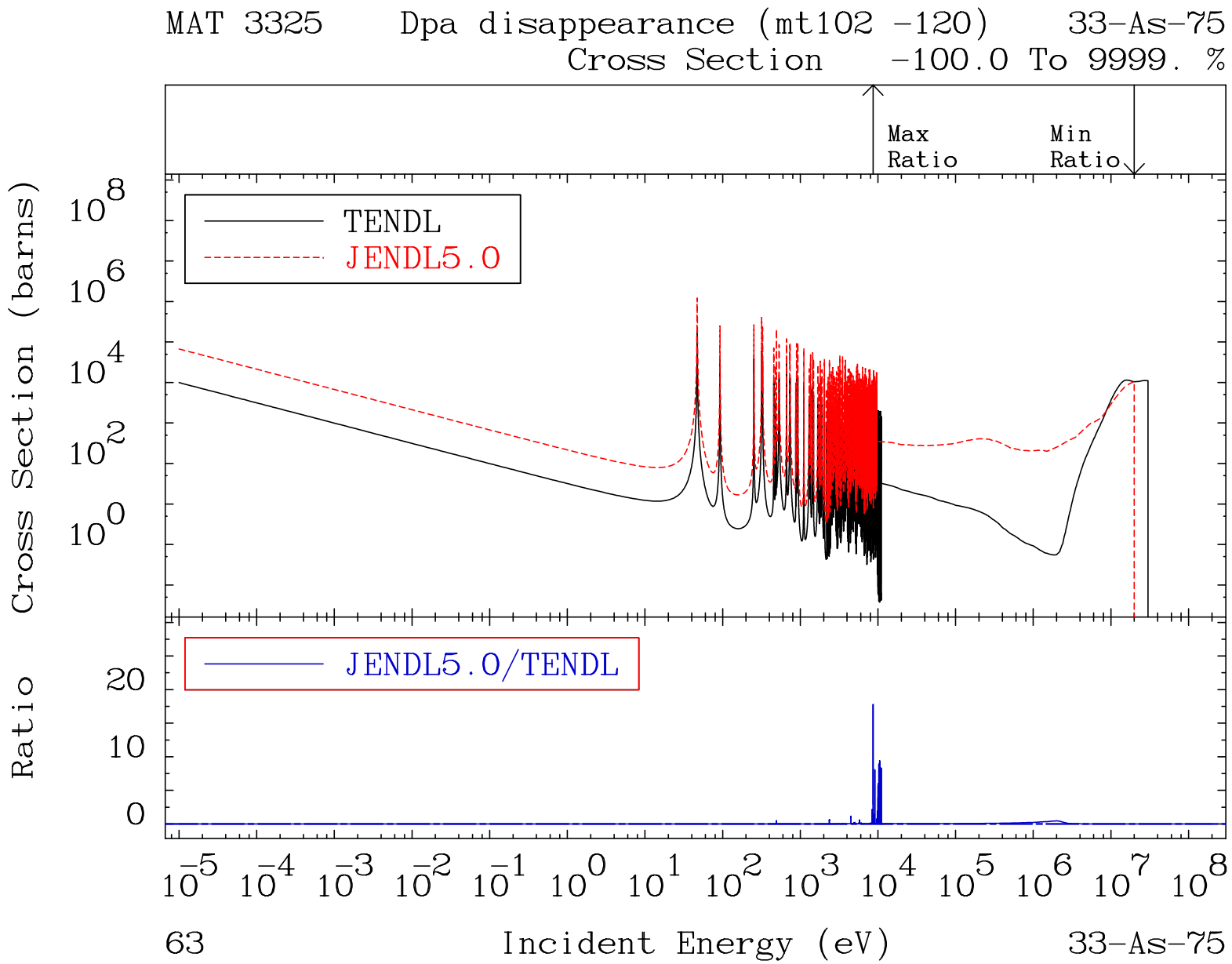

MAT 3325
Total photon (eV-barns)
33-As-75
Cross Section -98.46 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
33-As-75

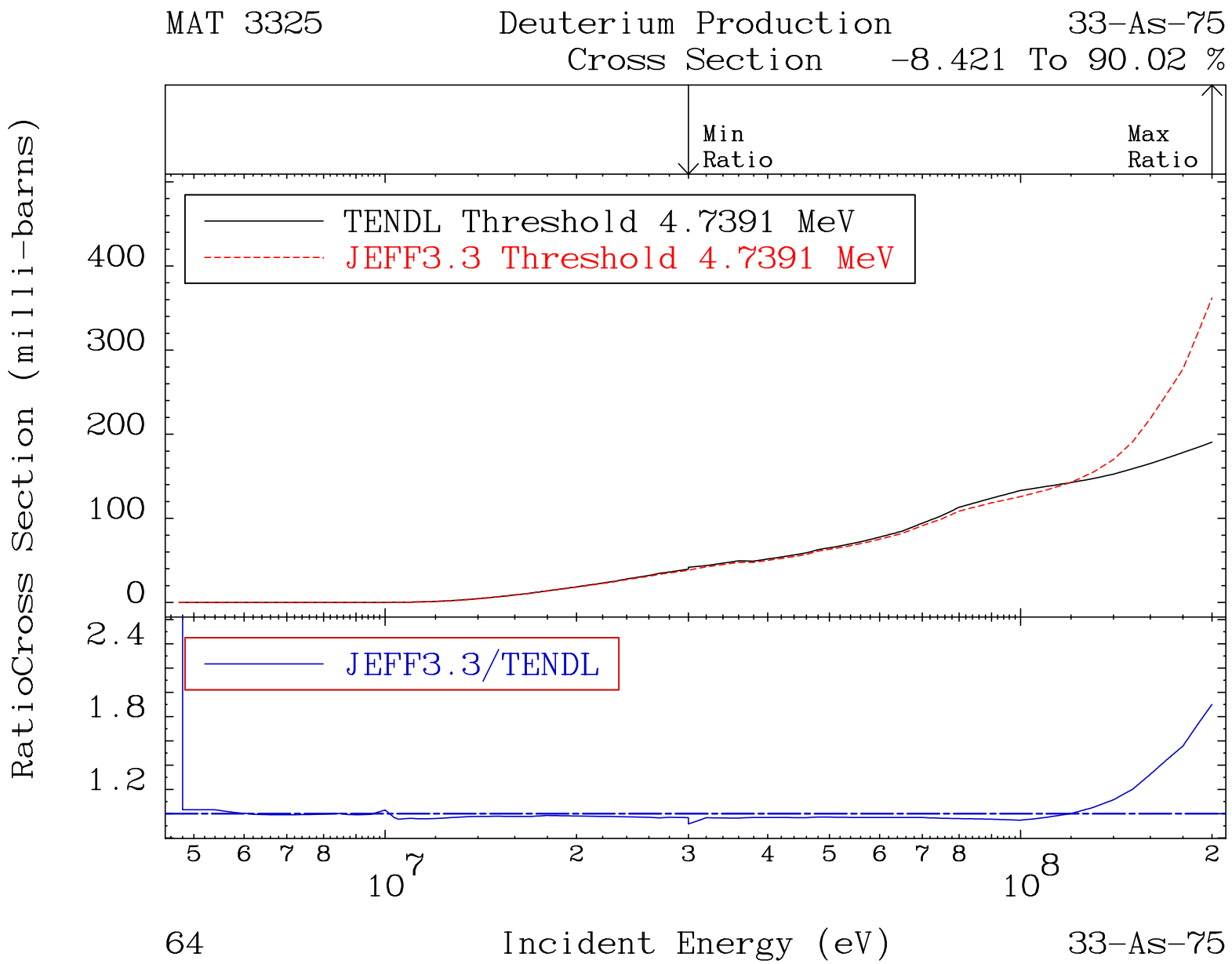

MAT 3325 Total kinematic kerma (high limit) 33-As-75
Cross Section -80.67 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
33-As-75

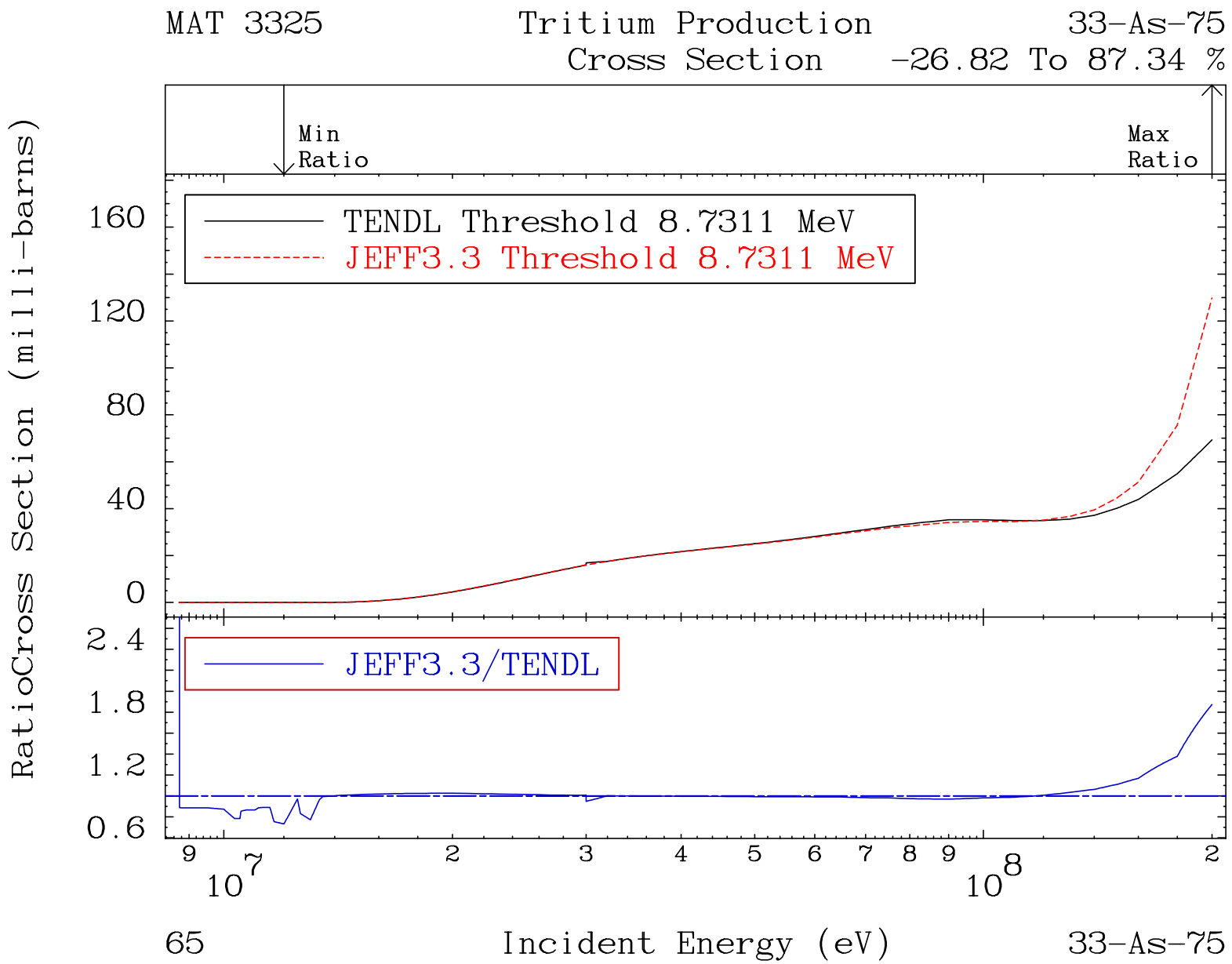

MAT 3325
Dpa total (eV-barns)
33-As-75
Cross Section -80.77 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
33-As-75

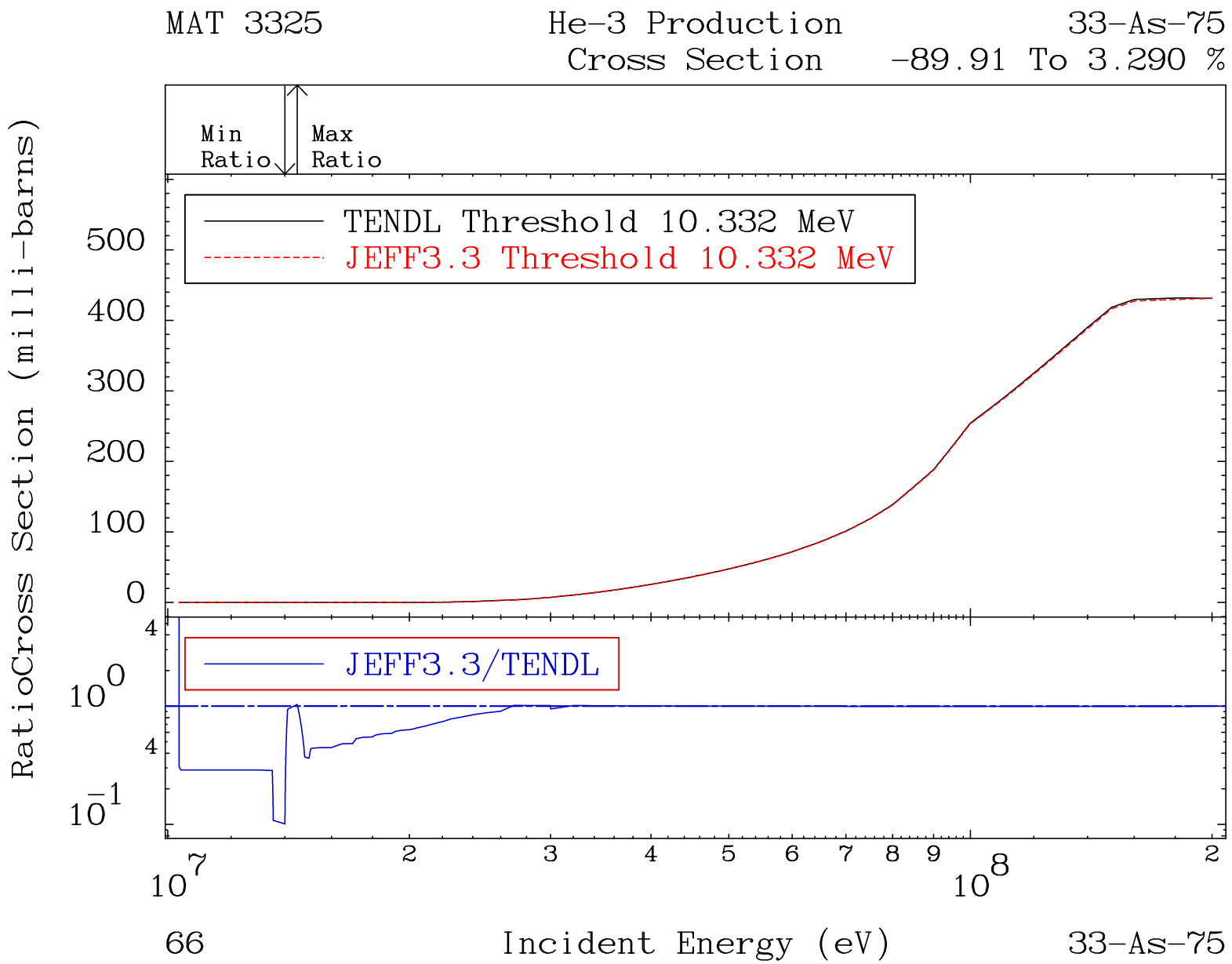

MAT 3325
Dpa elastic (mt2)
Cross Section
33-As-75
-92.68 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 459.63 eV
JENDL5.0 Threshold 440.29 eV
JENDL5.0/TENDL
Ratio Cross Section (barns)
Incident Energy (eV)
61
33-As-75

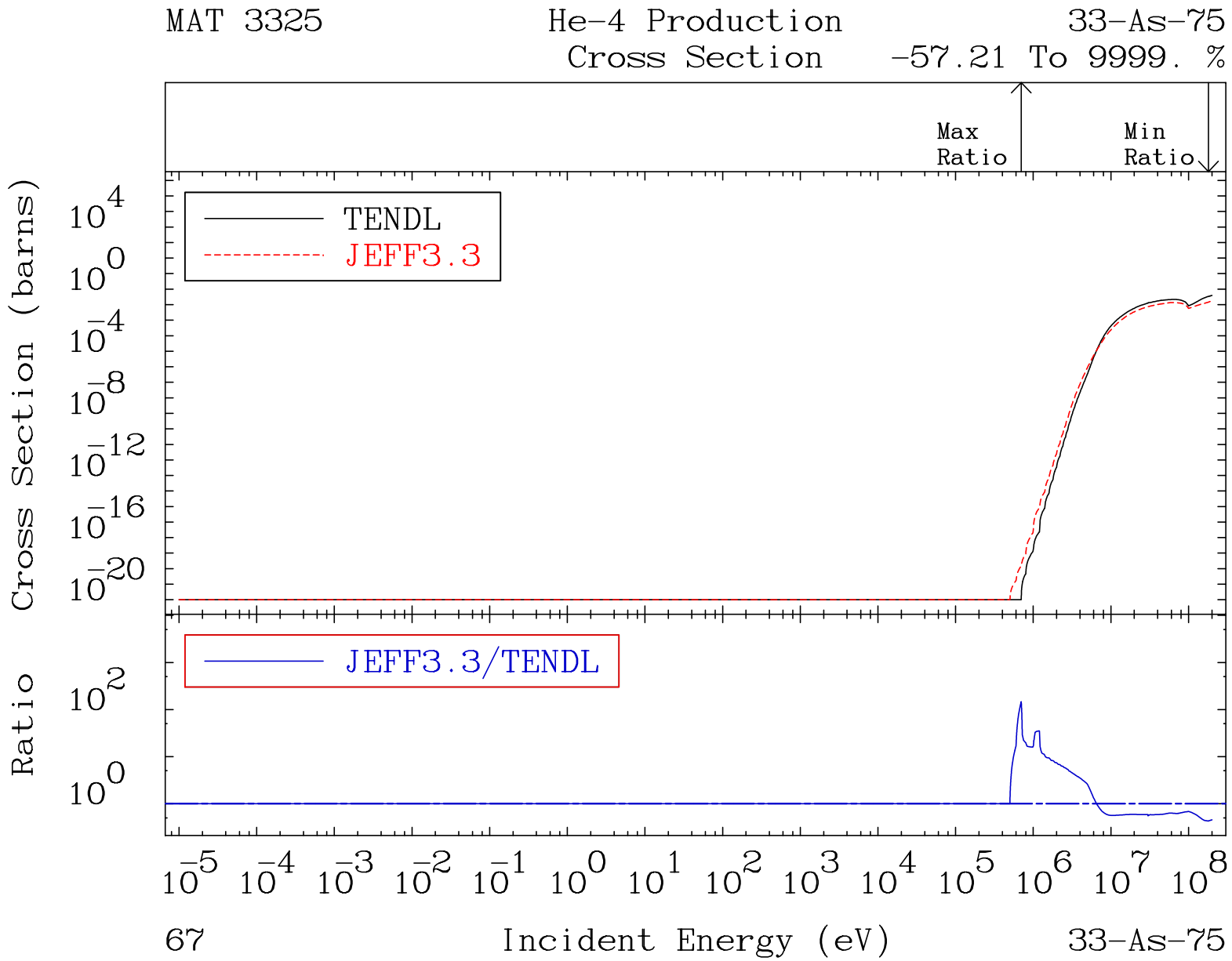

MAT 3325
Dpa inelastic (mt51-91)
33-As-75
Cross Section -100.0 To 462.3 %
Max Ratio
Min Ratio
TENDL Threshold 201.28 keV
JENDL5.0 Threshold 250.00 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
62
33-As-75

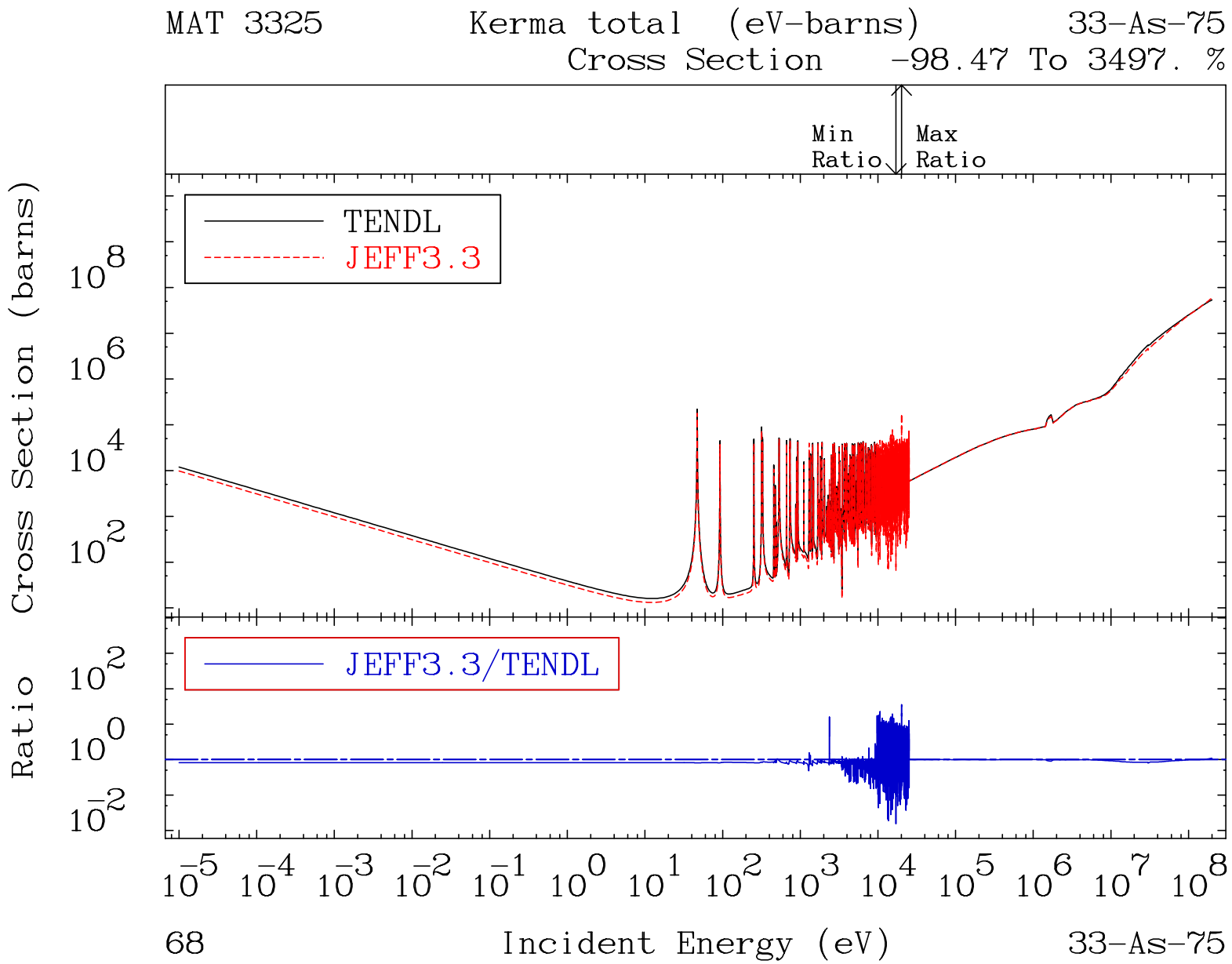

MAT 3325 Dpa disappearance (mt102 -120) 33-As-75
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
63
33-As-75

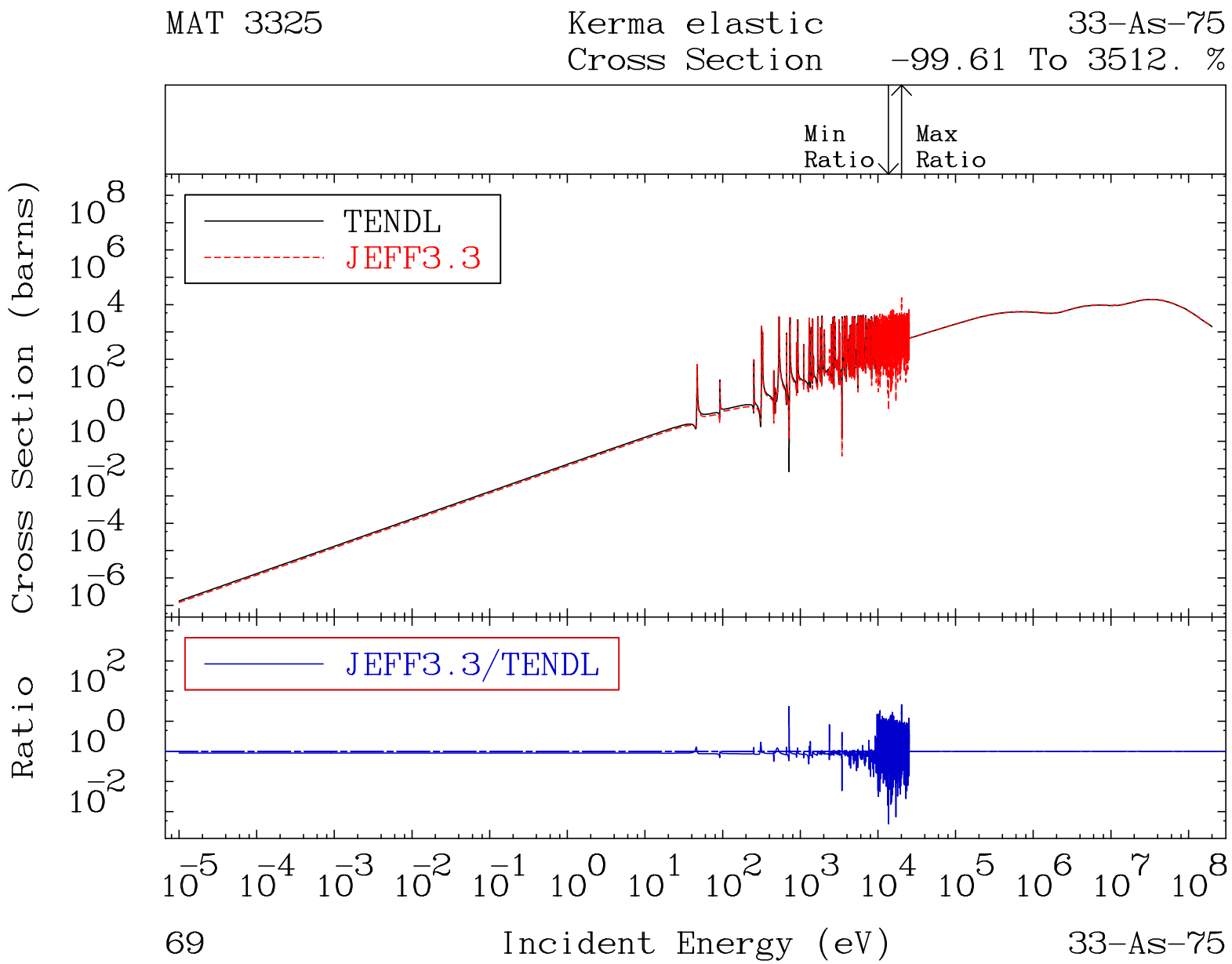

MAT 3325
Deuterium Production
33-As-75
Cross Section -8.421 To 90.02 %
Min Ratio
Max Ratio
TENDL Threshold 4.7391 MeV
JEFF3.3 Threshold 4.7391 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
2.4
1.8
1.2
5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
64
Incident Energy (eV)
33-As-75

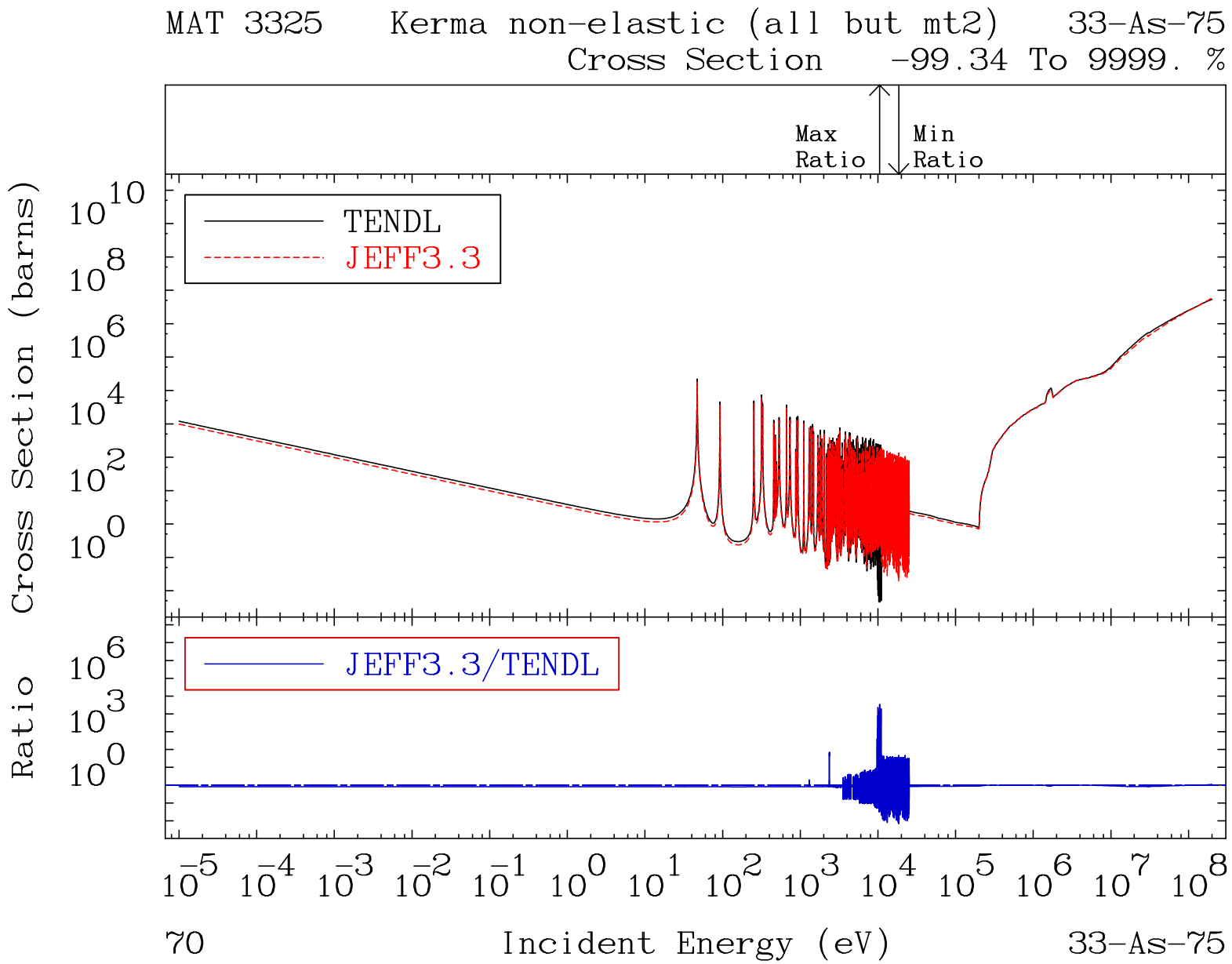

MAT 3325
Tritium Production
Cross Section
33-As-75
-26.82 To 87.34 %
Min
Ratio
Max
Ratio
TENDL Threshold 8.7311 MeV
JEFF3.3 Threshold 8.7311 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
2.4
1.8
1.2
0.6
9
10^7
2
3
4
5
6
7
8
9
10^8
2
65
Incident Energy (eV)
33-As-75

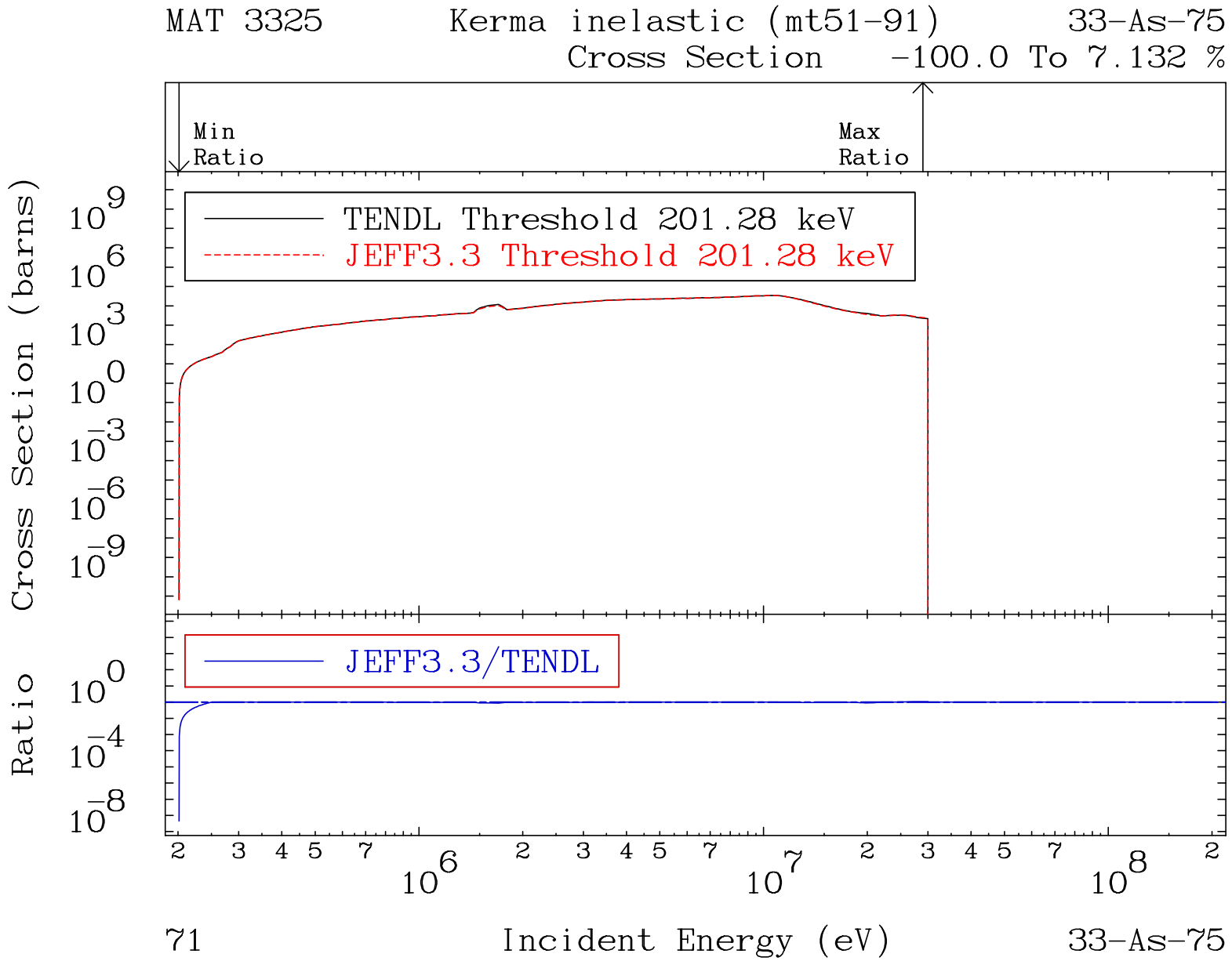

MAT 3325
He-3 Production
Cross Section
33-As-75
-89.91 To 3.290 %
Min Ratio
Max Ratio
TENDL Threshold 10.332 MeV
JEFF3.3 Threshold 10.332 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
4
10^{0}
4
10^{-1}
10^{7}
2
3
4
5
6
7
8
9
10^{8}
2
66
Incident Energy (eV)
33-As-75

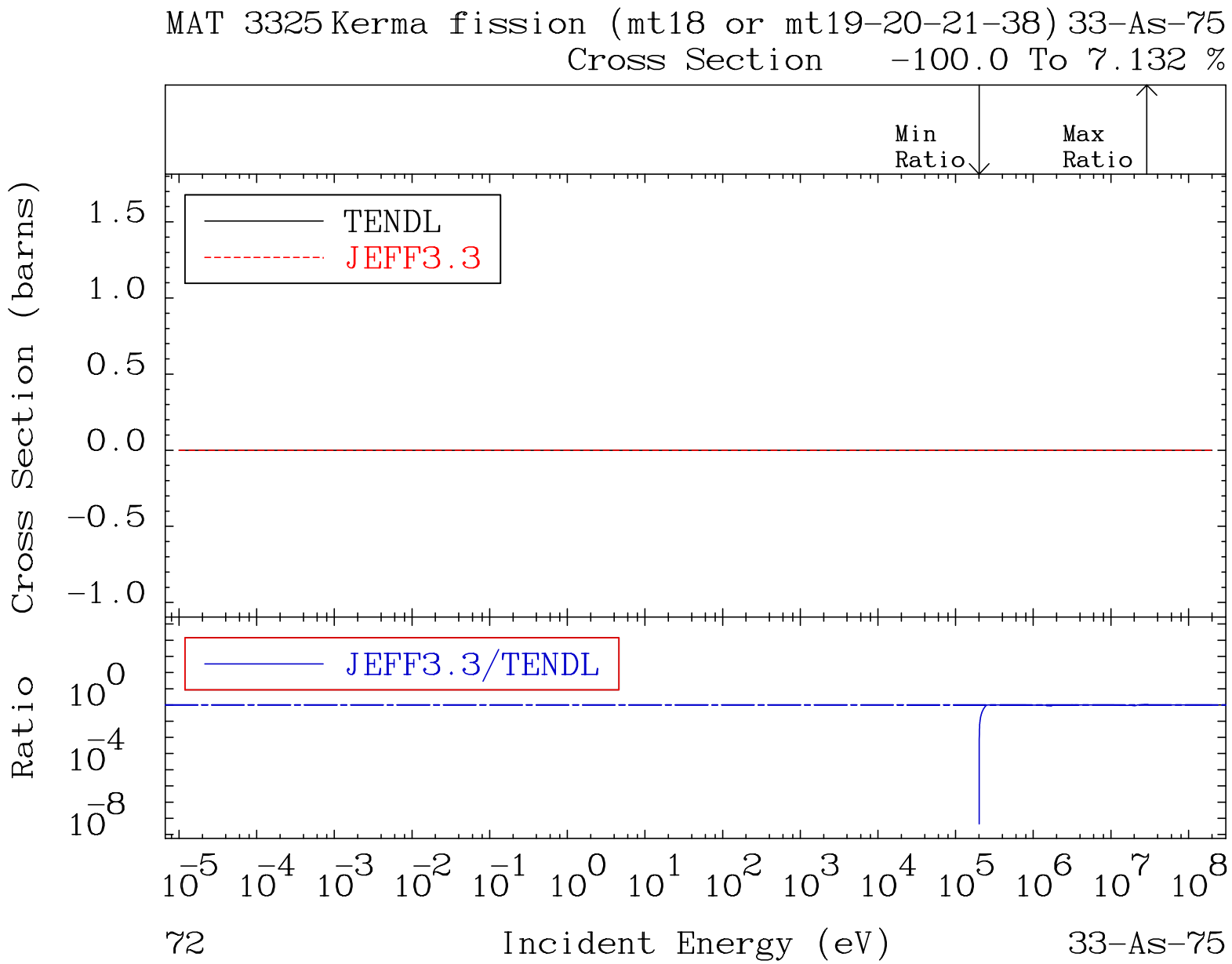

MAT 3325
He-4 Production
Cross Section
33-As-75
-57.21 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
67
33-As-75

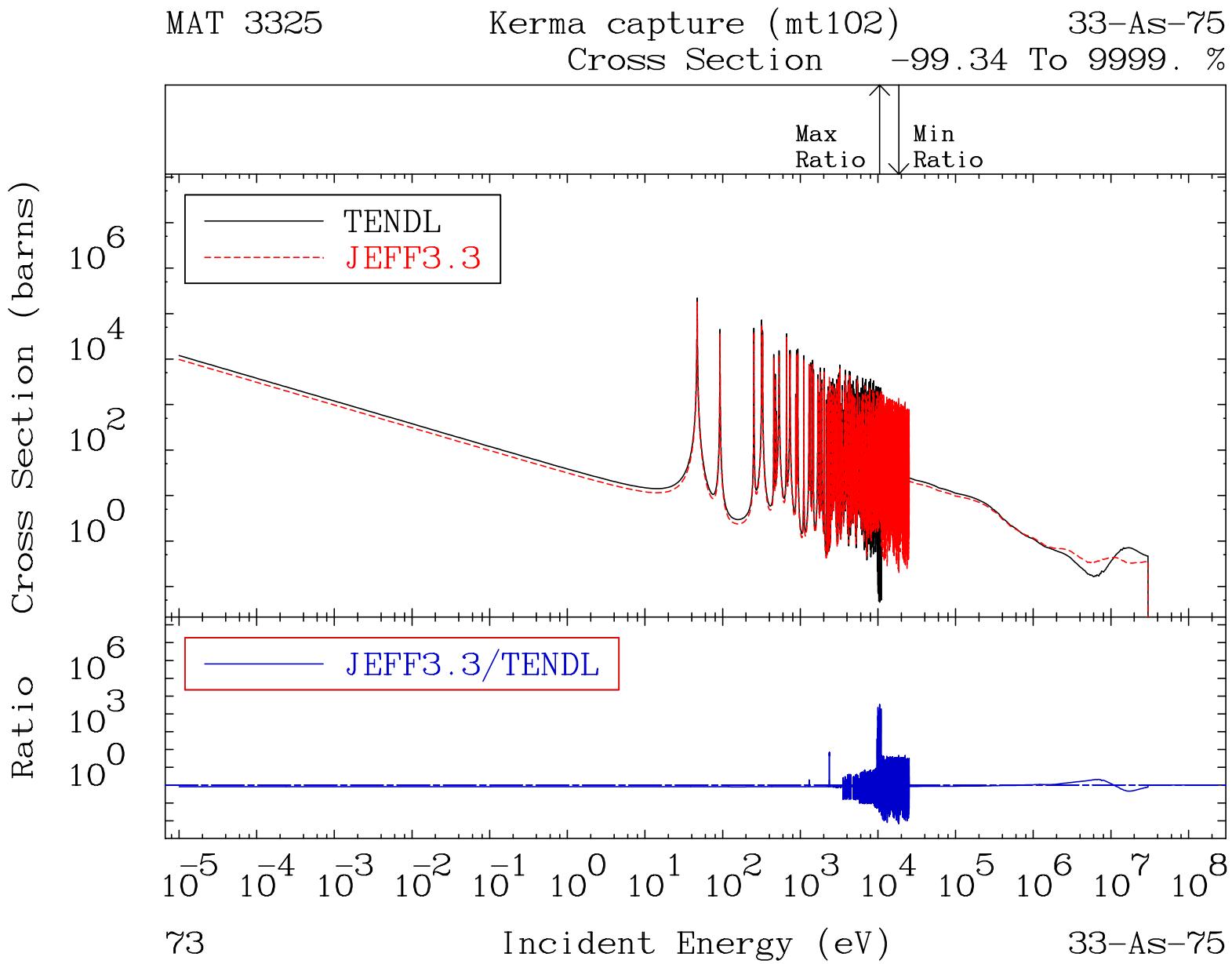

MAT 3325
Kerma total (eV-barns)
33-As-75
Cross Section -98.47 To 3497. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
68
33-As-75

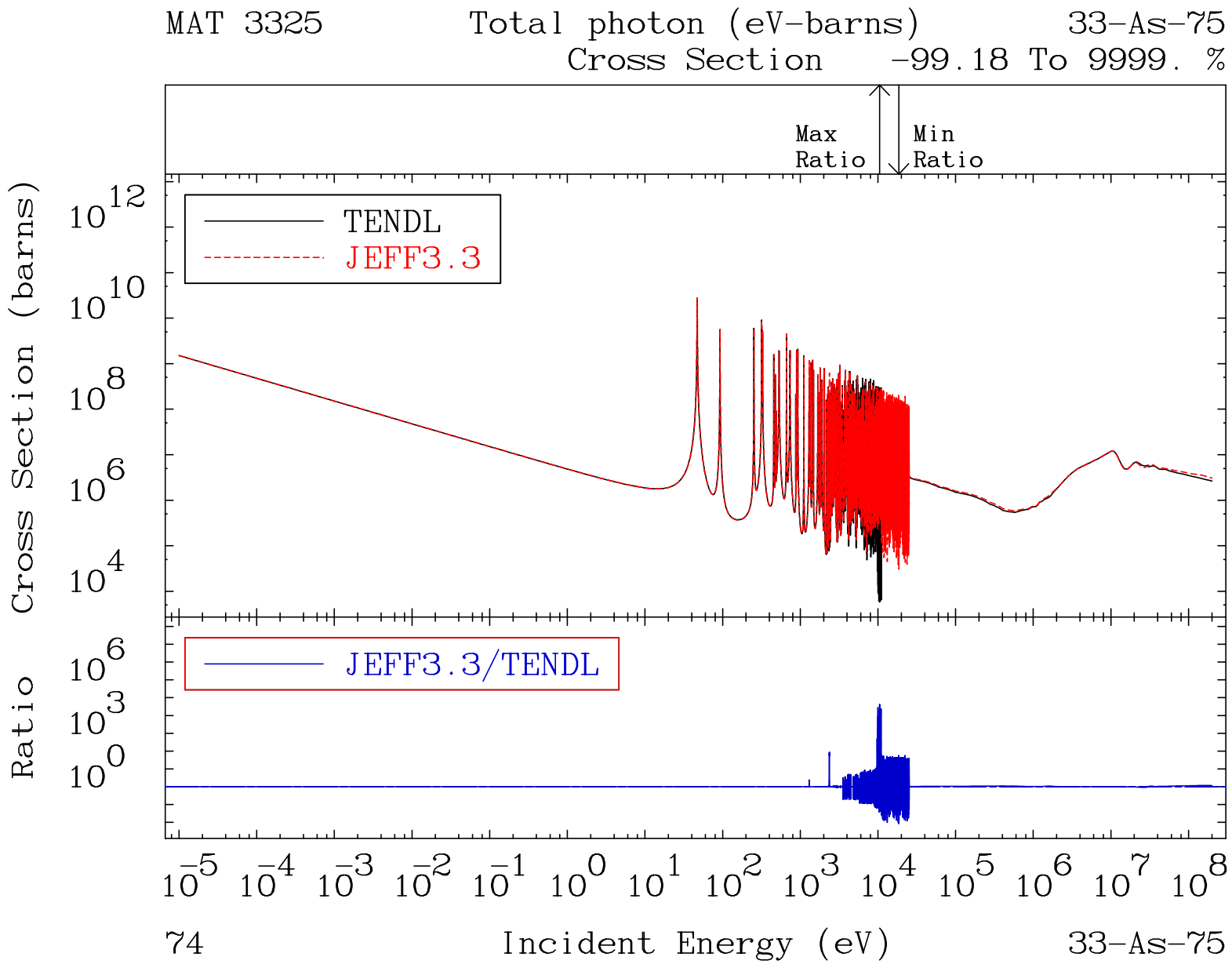

MAT 3325
Kerma elastic
Cross Section
33-As-75
-99.61 To 3512. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
69
33-As-75

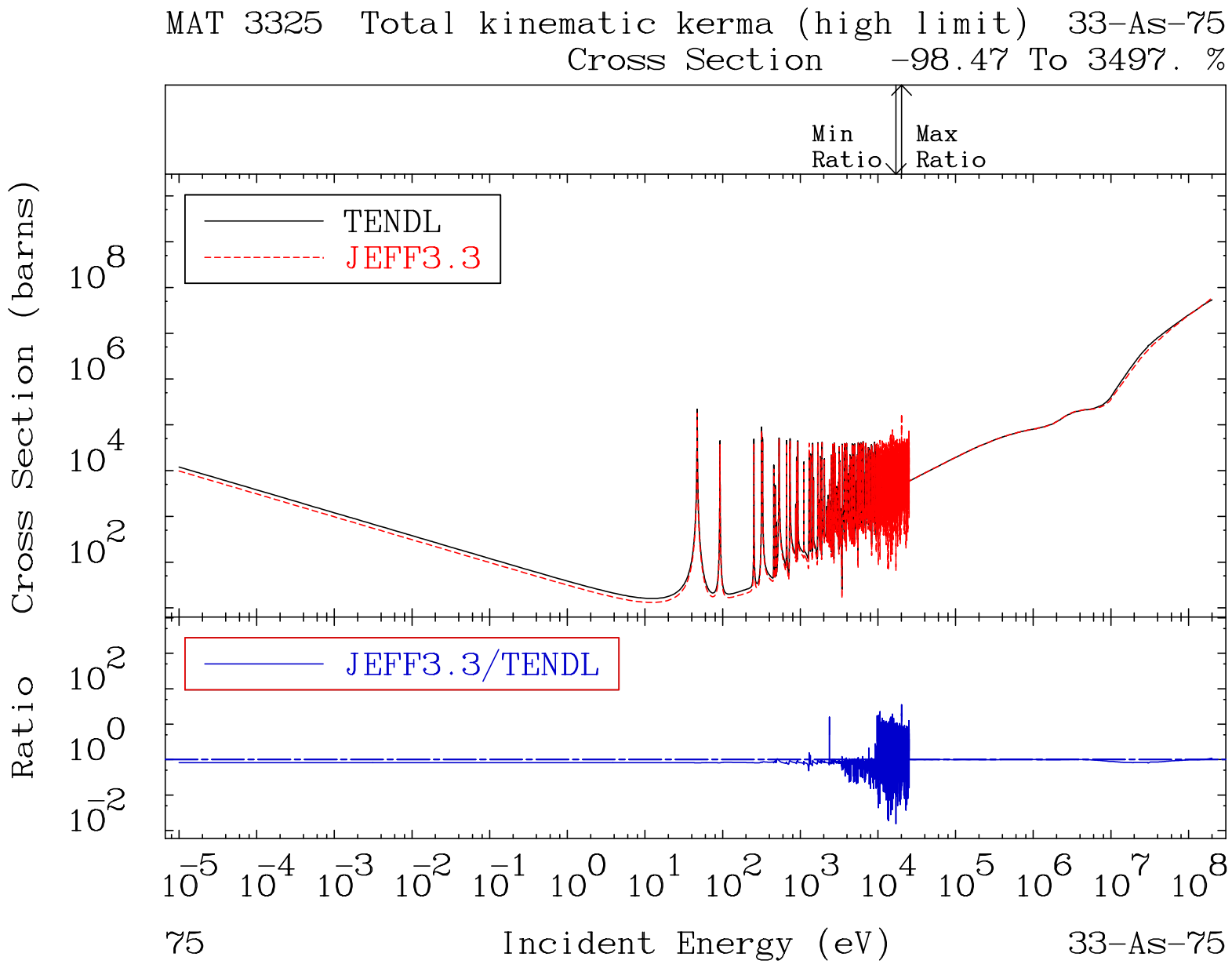

MAT 3325 Kerma non-elastic (all but mt2) 33-As-75
Cross Section -99.34 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
70
33-As-75

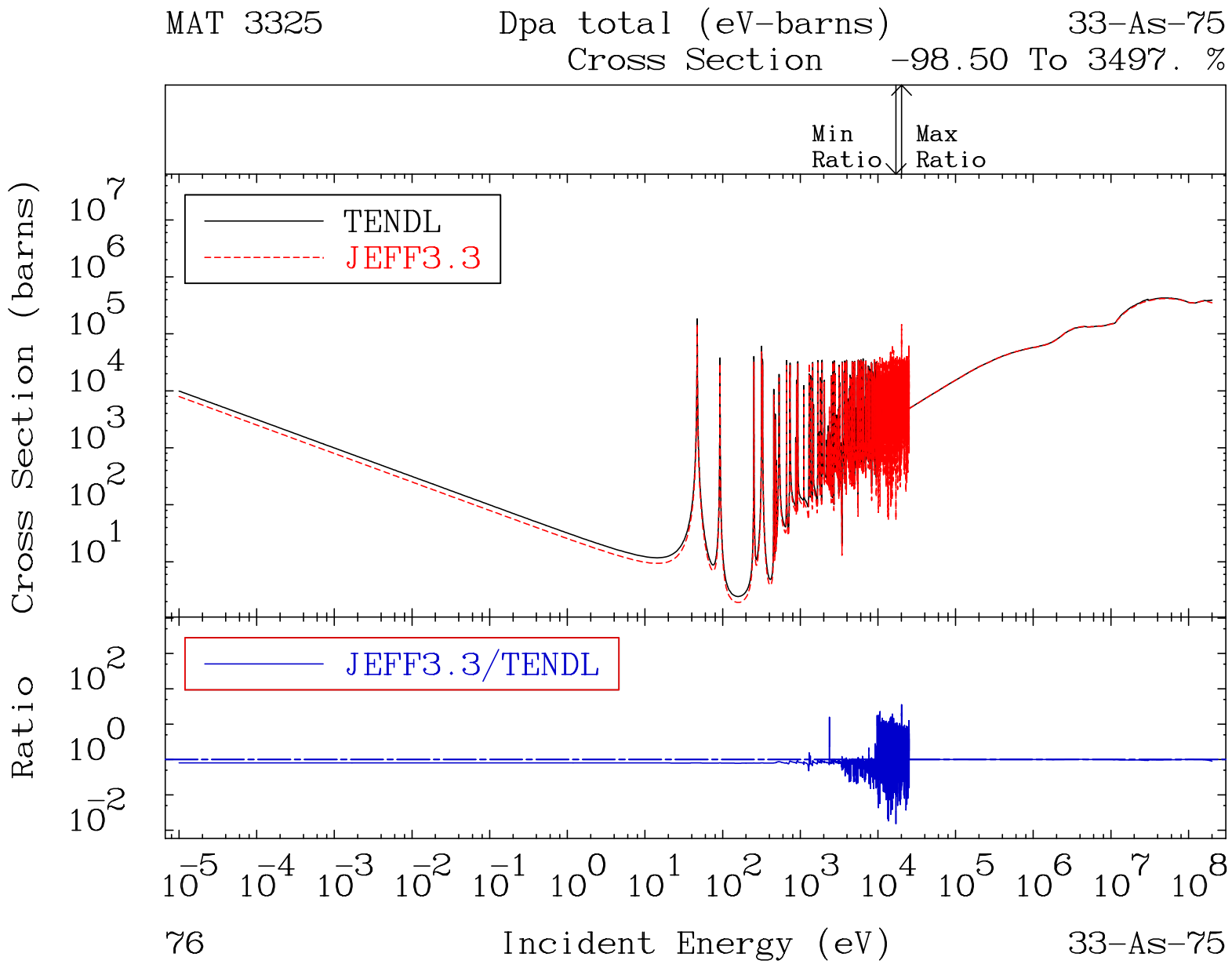

MAT 3325
Kerma inelastic (mt51-91)
33-As-75
Cross Section -100.0 To 7.132 %
Min Ratio
Max Ratio
TENDL Threshold 201.28 keV
JEFF3.3 Threshold 201.28 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
71
33-As-75

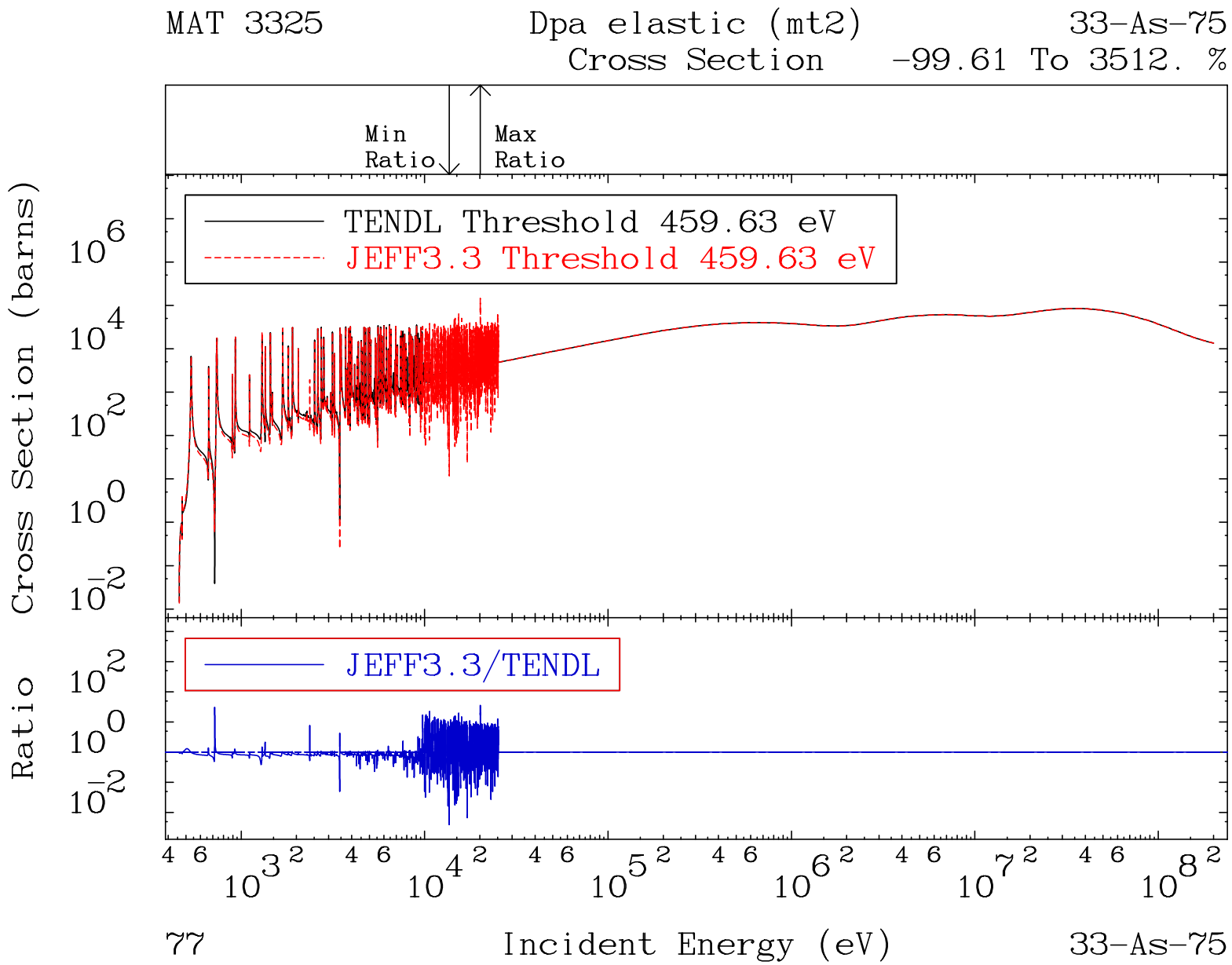

MAT 3325 Kerma fission (mt18 or mt19-20-21-38) 33-As-75
Cross Section -100.0 To 7.132 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{0}
10^{-4}
10^{-8}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
72
Incident Energy (eV)
33-As-75

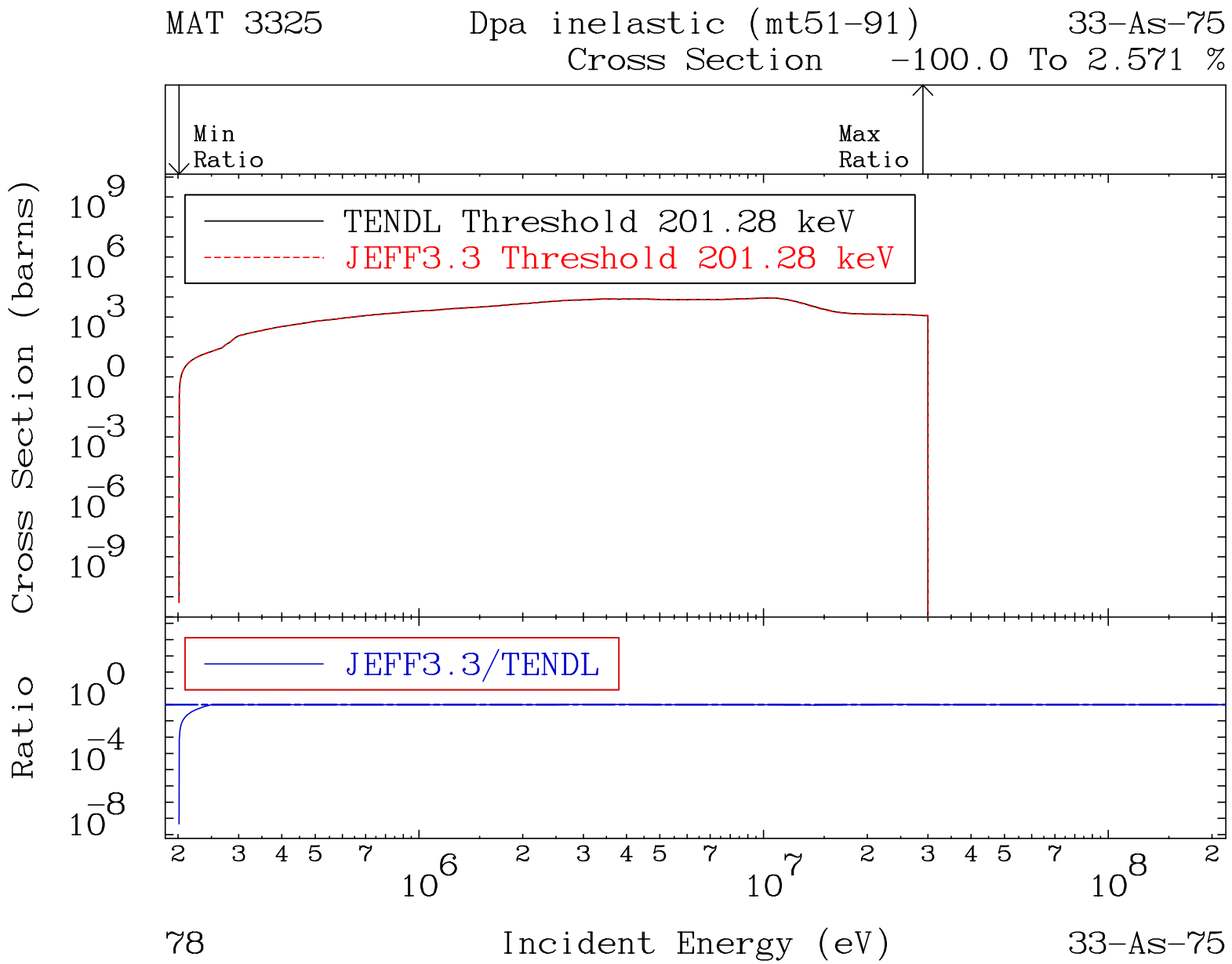

MAT 3325
Kerma capture (mt102)
33-As-75
Cross Section -99.34 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
73
33-As-75

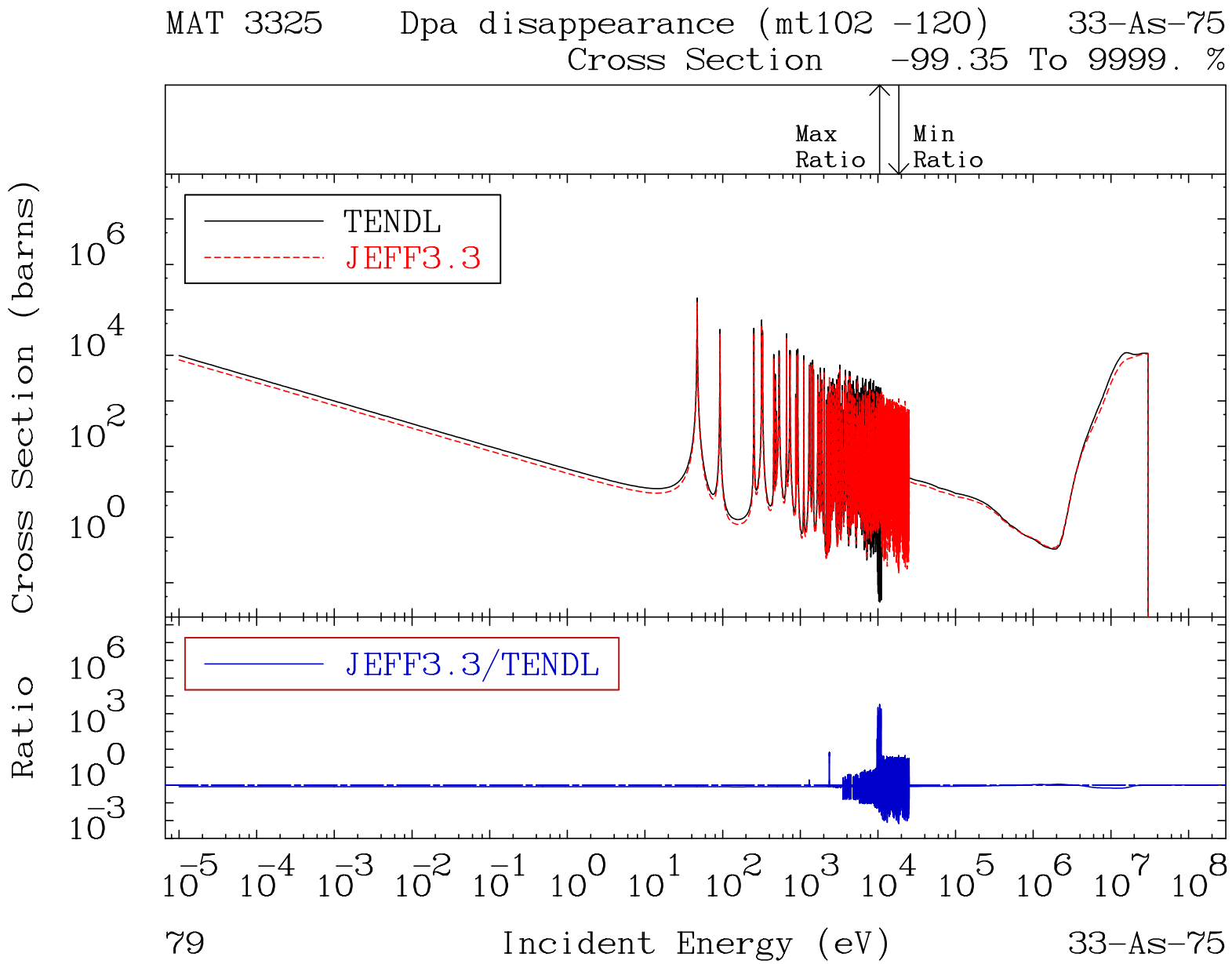

MAT 3325
Total photon (eV-barns)
33-As-75
Cross Section -99.18 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
33-As-75

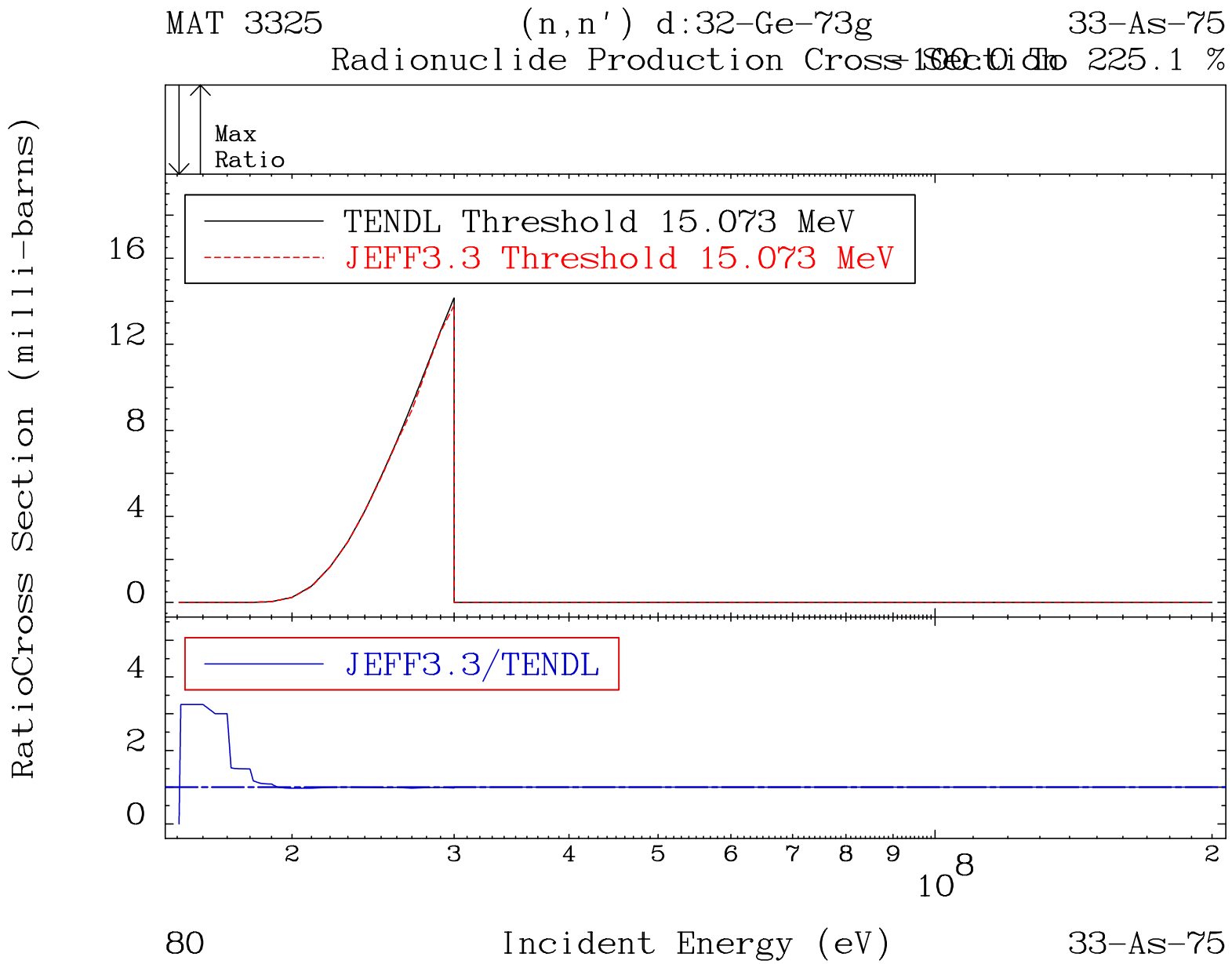

MAT 3325 Total kinematic kerma (high limit) 33-As-75
Cross Section -98.47 To 3497. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
75
33-As-75

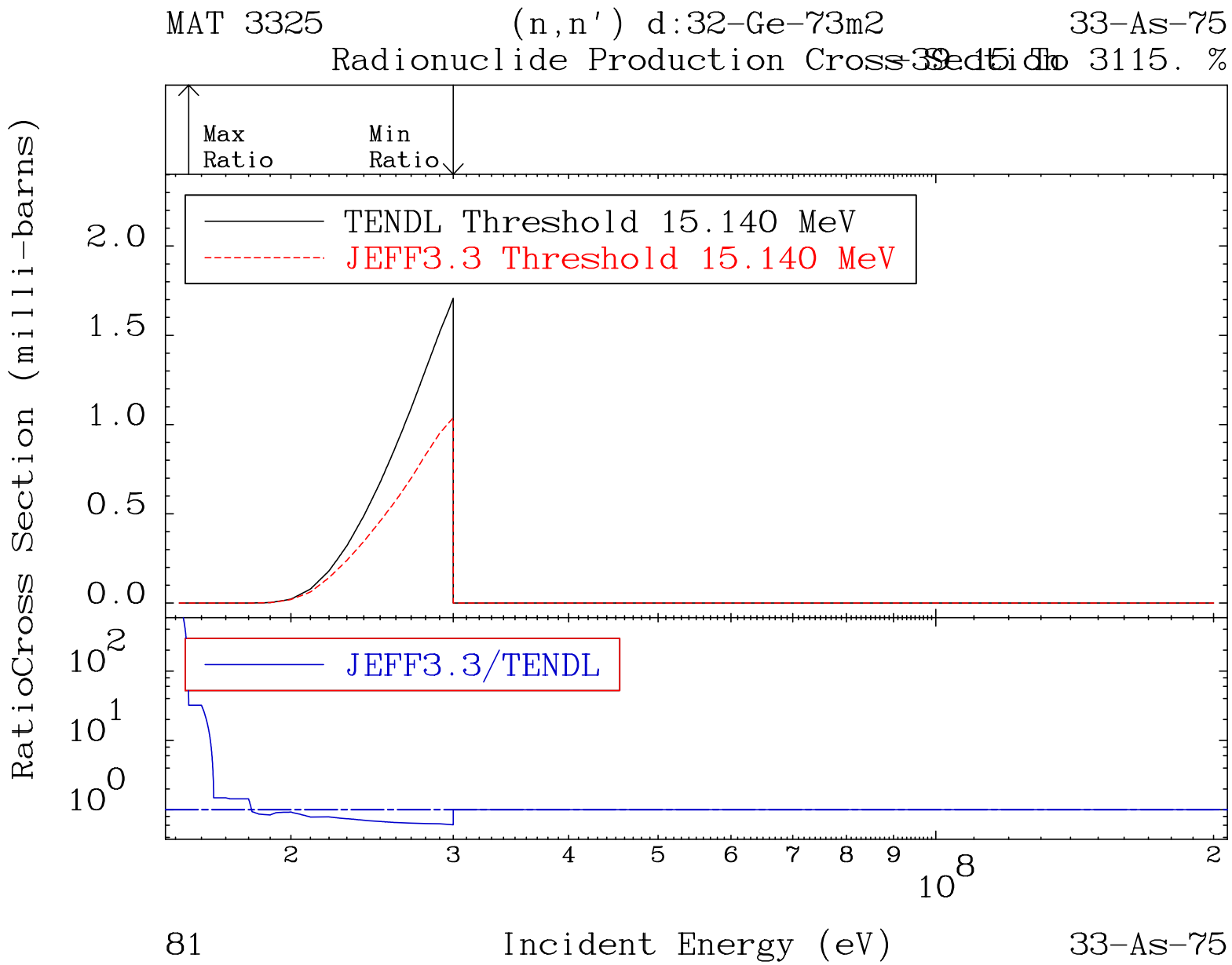

MAT 3325
Dpa total (eV-barns)
33-As-75
Cross Section -98.50 To 3497. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
76
33-As-75

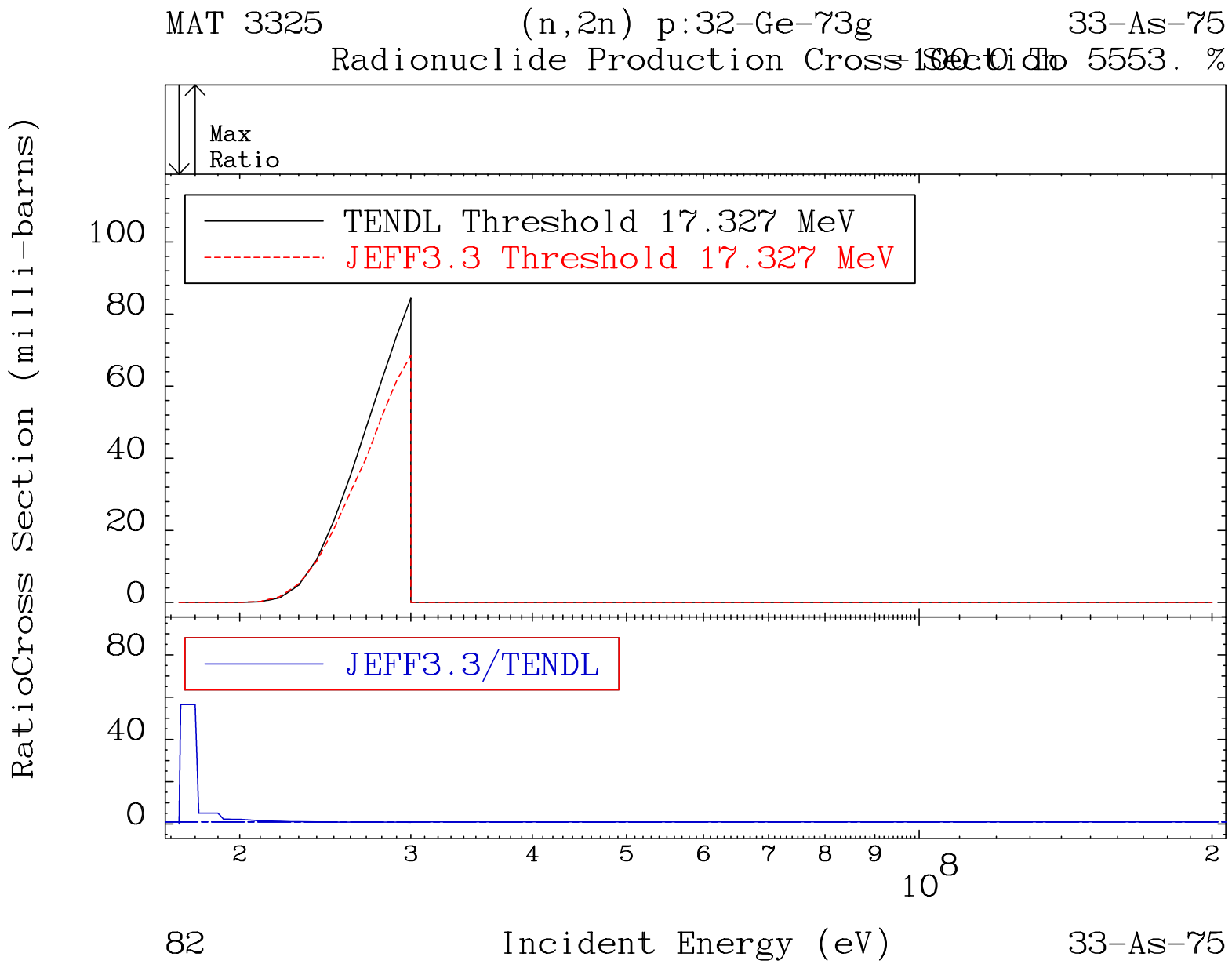

MAT 3325
Dpa elastic (mt2)
Cross Section
33-As-75
-99.61 To 3512. %
Min Ratio
Max Ratio
TENDL Threshold 459.63 eV
JEFF3.3 Threshold 459.63 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
77
33-As-75

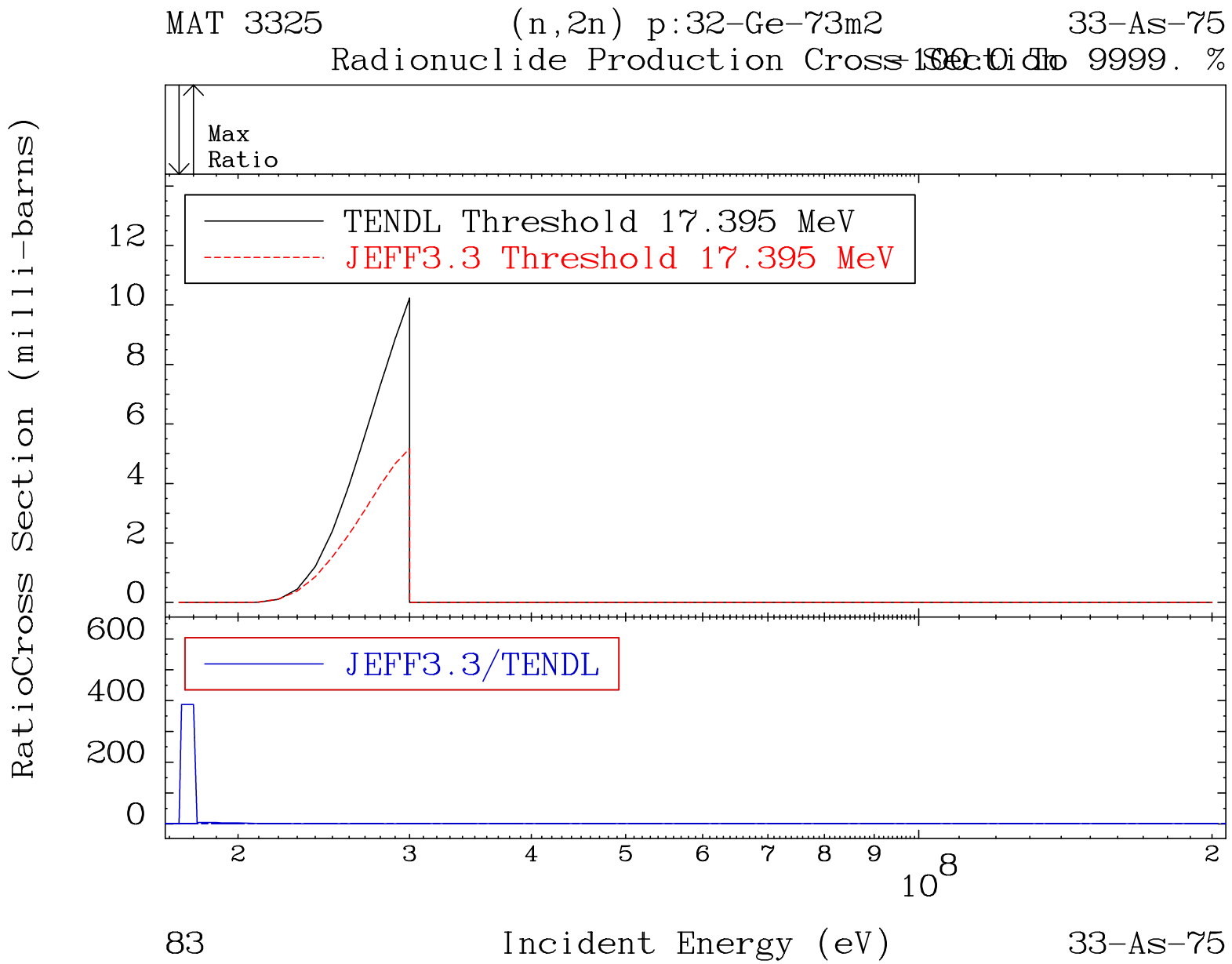

MAT 3325
Dpa inelastic (mt51-91)
33-As-75
Cross Section
-100.0 To 2.571 %
Min Ratio
Max Ratio
TENDL Threshold 201.28 keV
JEFF3.3 Threshold 201.28 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
78
33-As-75

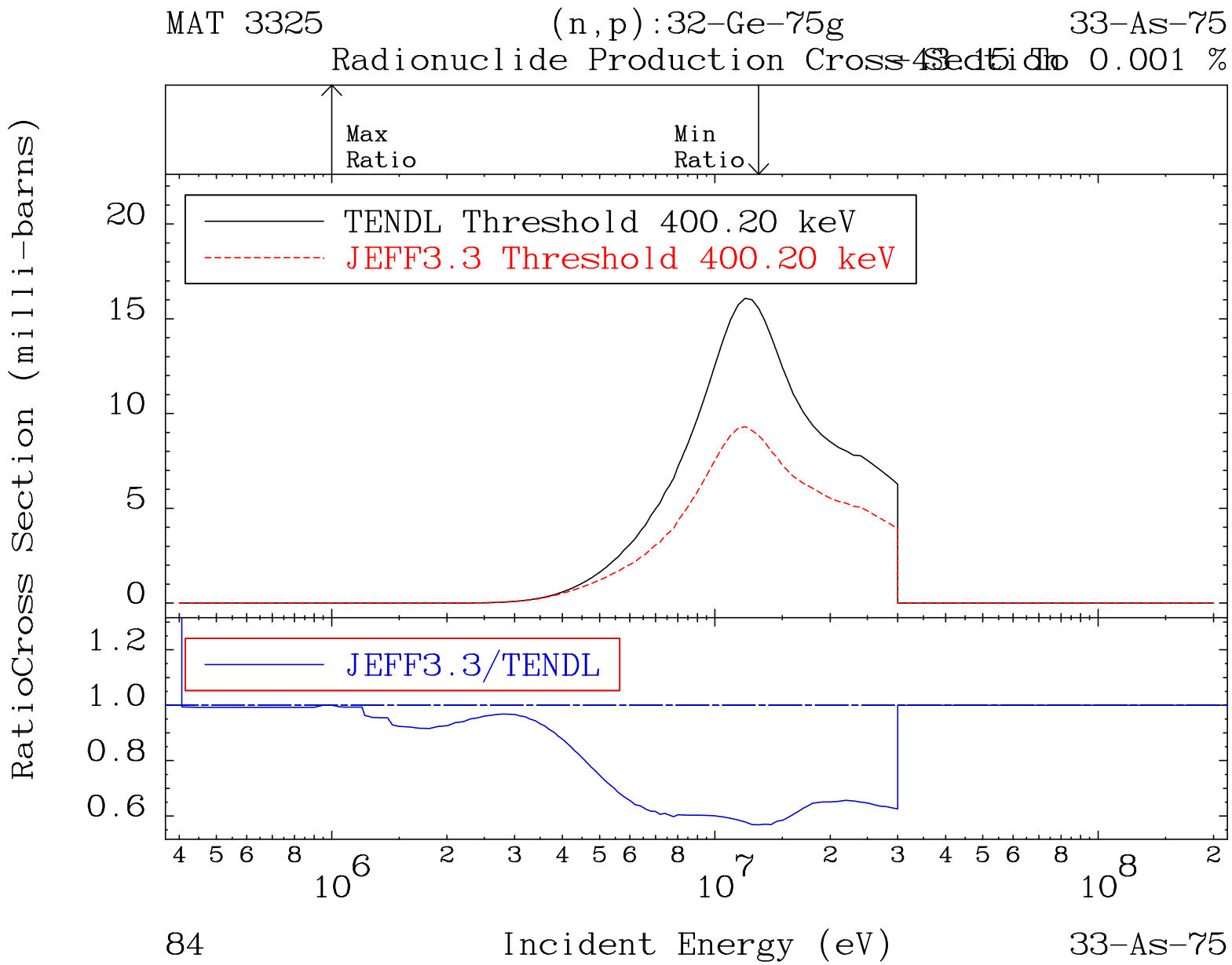

MAT 3325 Dpa disappearance (mt102 -120) 33-As-75
Cross Section -99.35 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
79
33-As-75

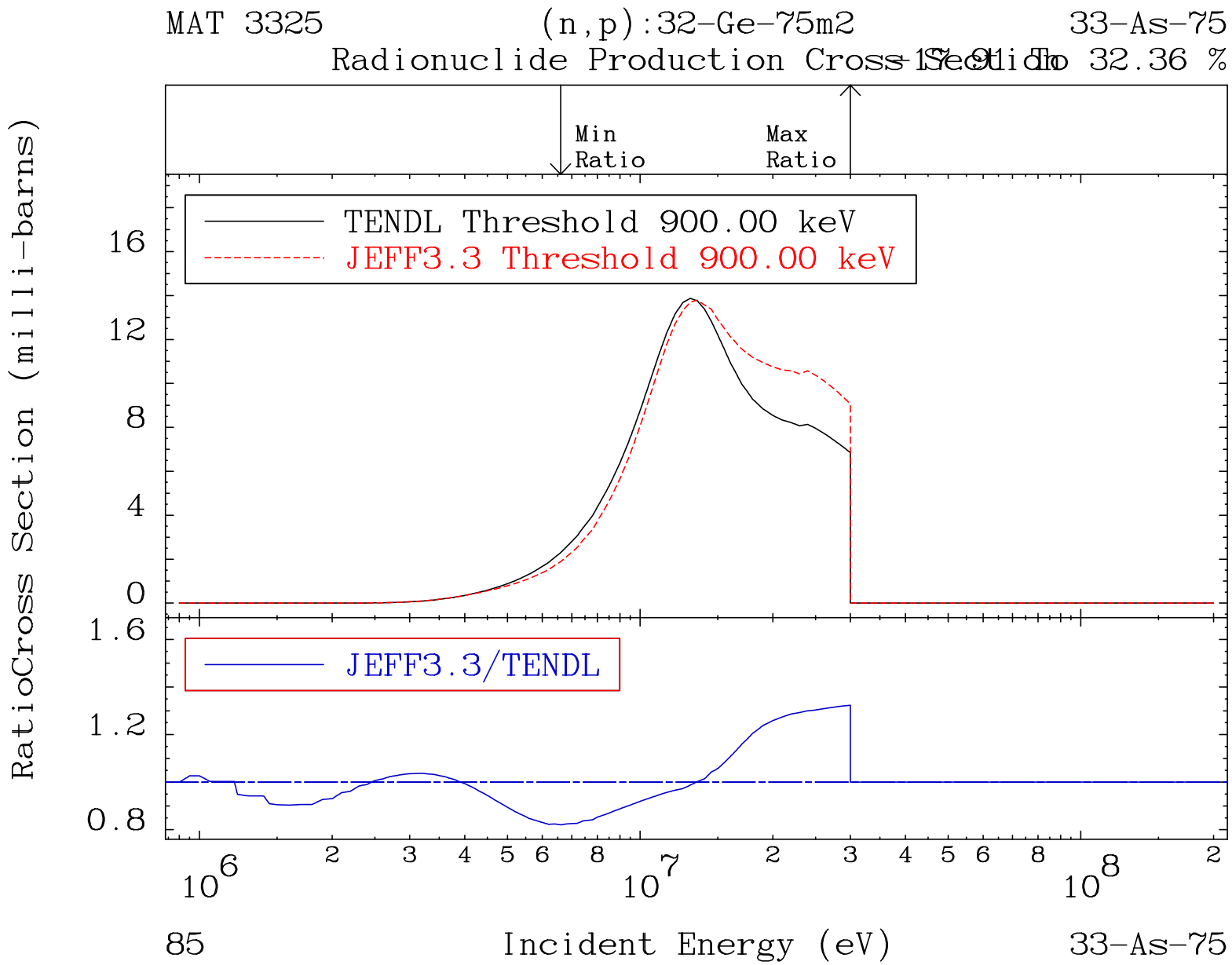

MAT 3325
(n,n') d:32-Ge-73g
33-As-75
Radionuclide Production Cross Section To 225.1 %
Max
Ratio
TENDL Threshold 15.073 MeV
JEFF3.3 Threshold 15.073 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
16
12
8
4
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
80
Incident Energy (eV)
33-As-75

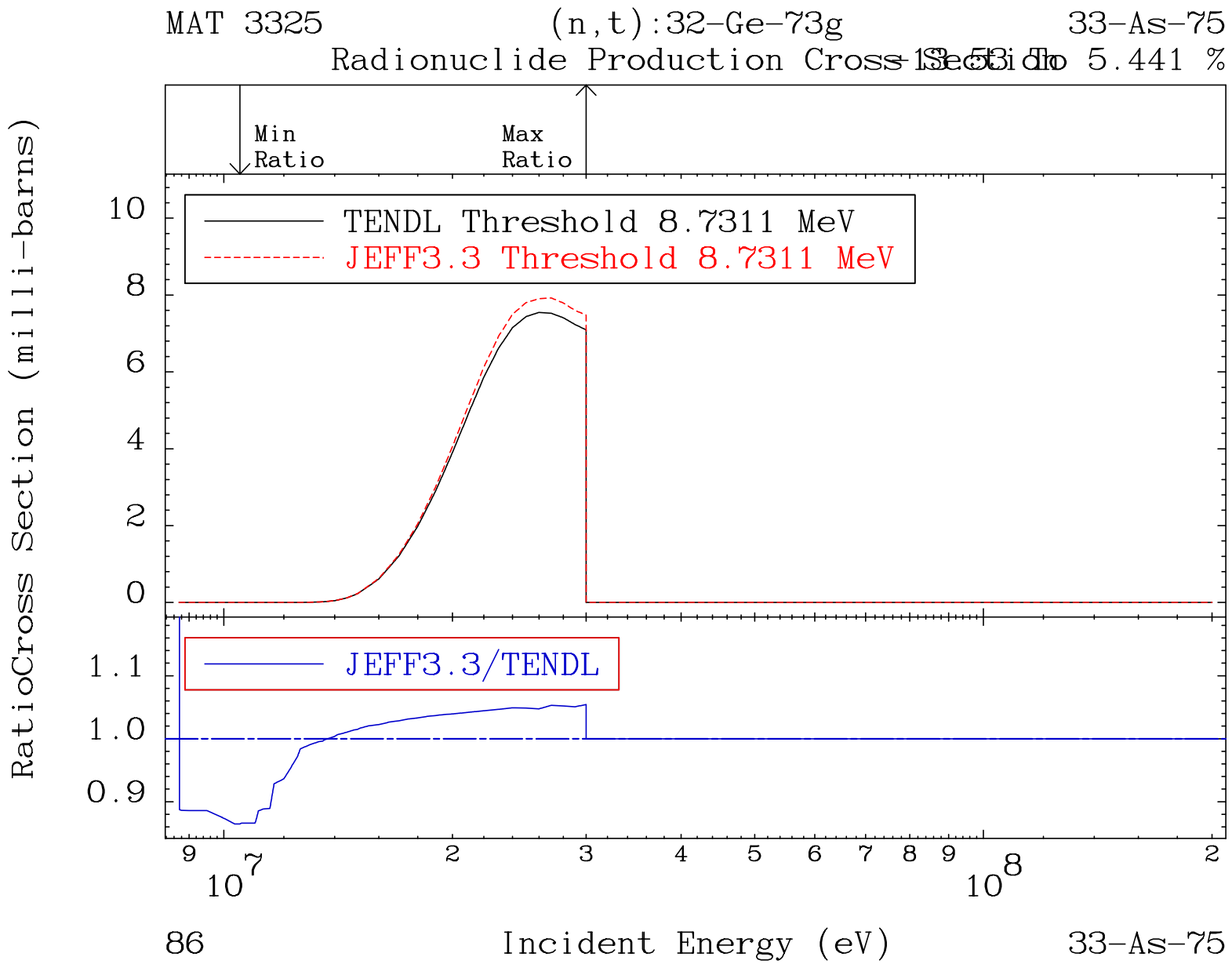

MAT 3325
(n,n') d:32-Ge-73m2
33-As-75
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 15.140 MeV
JEFF3.3 Threshold 15.140 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
81
33-As-75

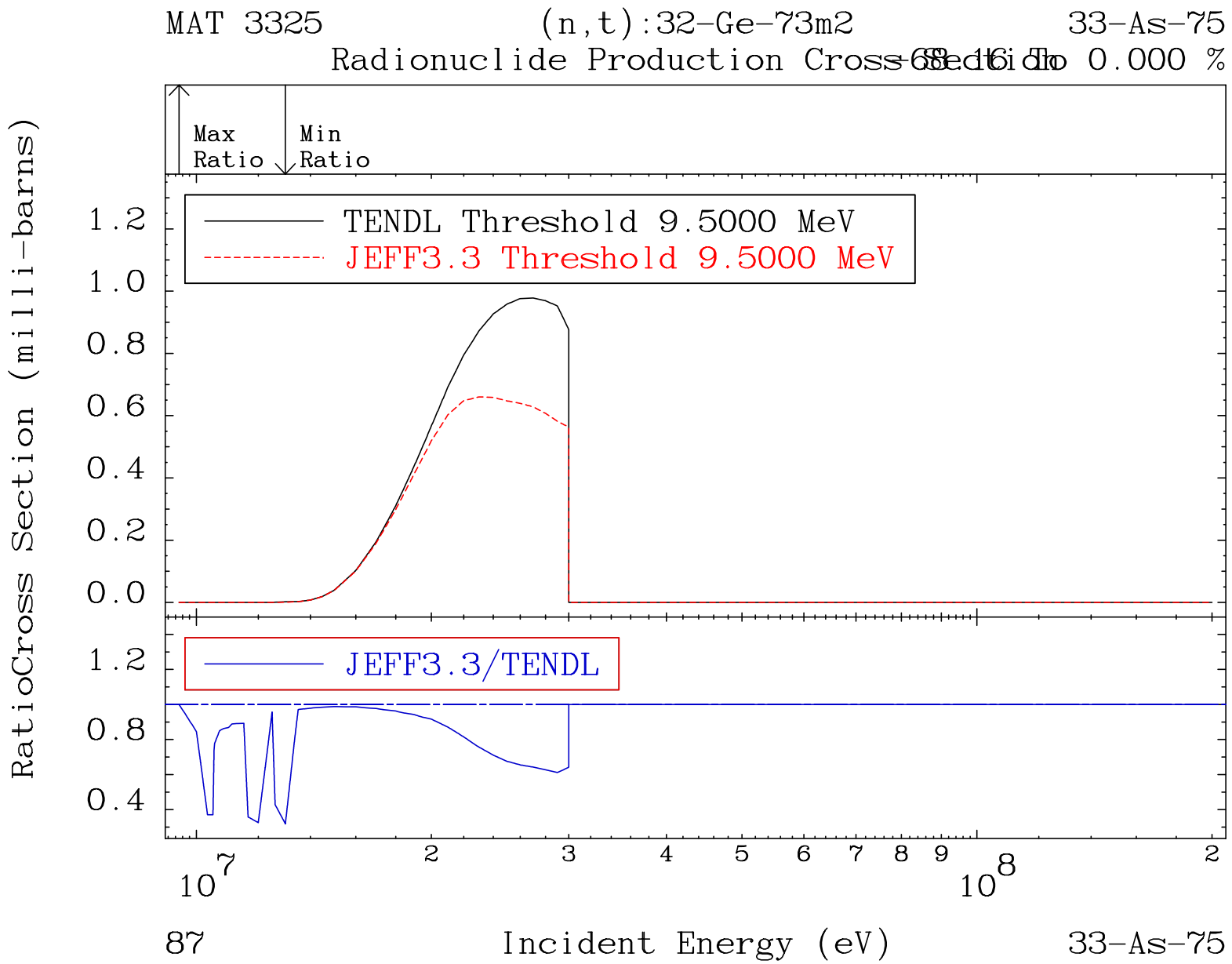

MAT 3325
(n,2n) p:32-Ge-73g
33-As-75
Radionuclide Production Cross Section To 5553. %
Max
Ratio
TENDL Threshold 17.327 MeV
JEFF3.3 Threshold 17.327 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
80
40
0
2
3
4
5
6
7
8
9
10^8
2
82
Incident Energy (eV)
33-As-75

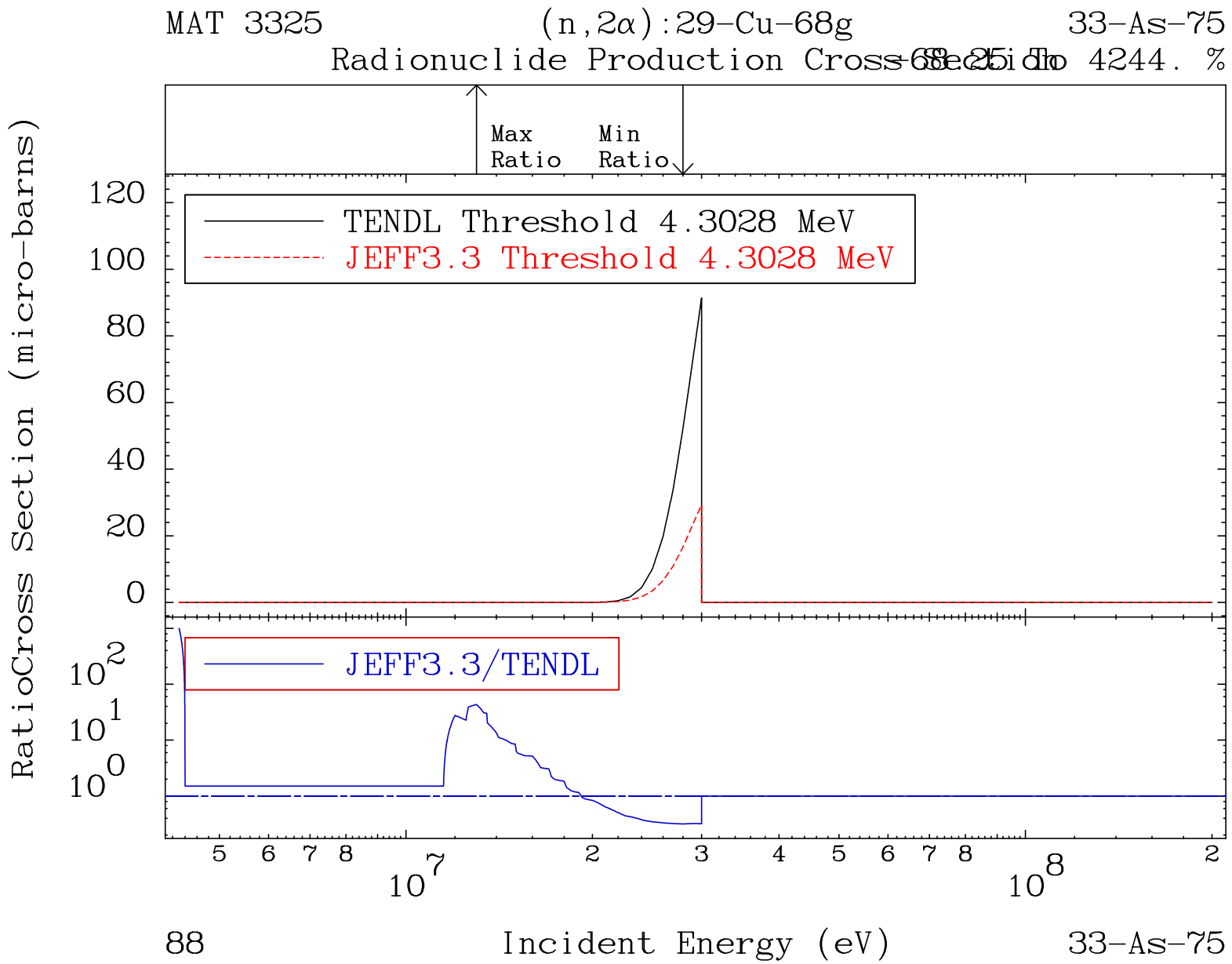

MAT 3325
(n,2n) p:32-Ge-73m2
33-As-75
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 17.395 MeV
JEFF3.3 Threshold 17.395 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
83
33-As-75

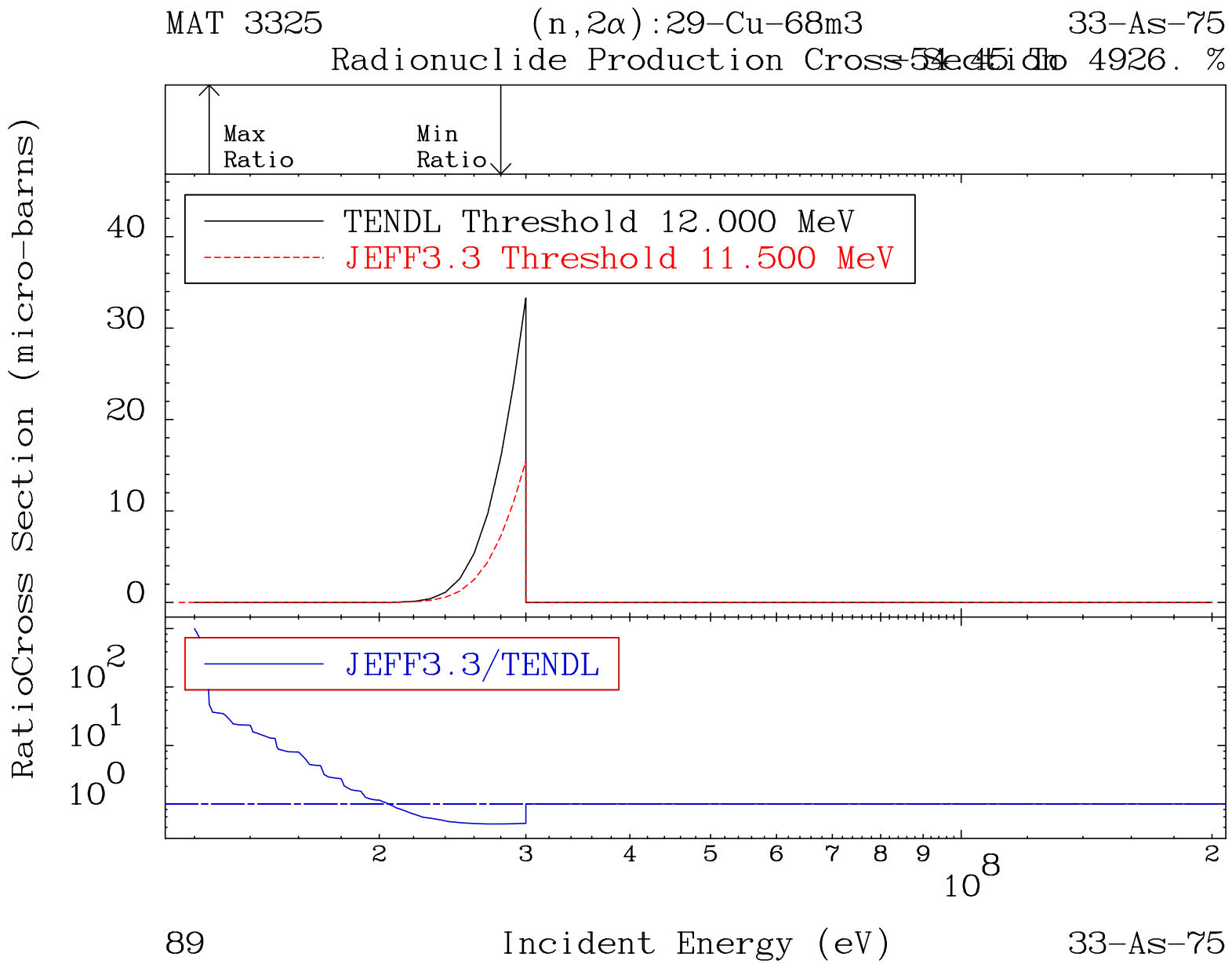

MAT 3325
(n,p):32-Ge-75g
33-As-75
Radionuclide Production Cross Section To 0.001 %
Max Ratio
Min Ratio
TENDL Threshold 400.20 keV
JEFF3.3 Threshold 400.20 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
84
33-As-75

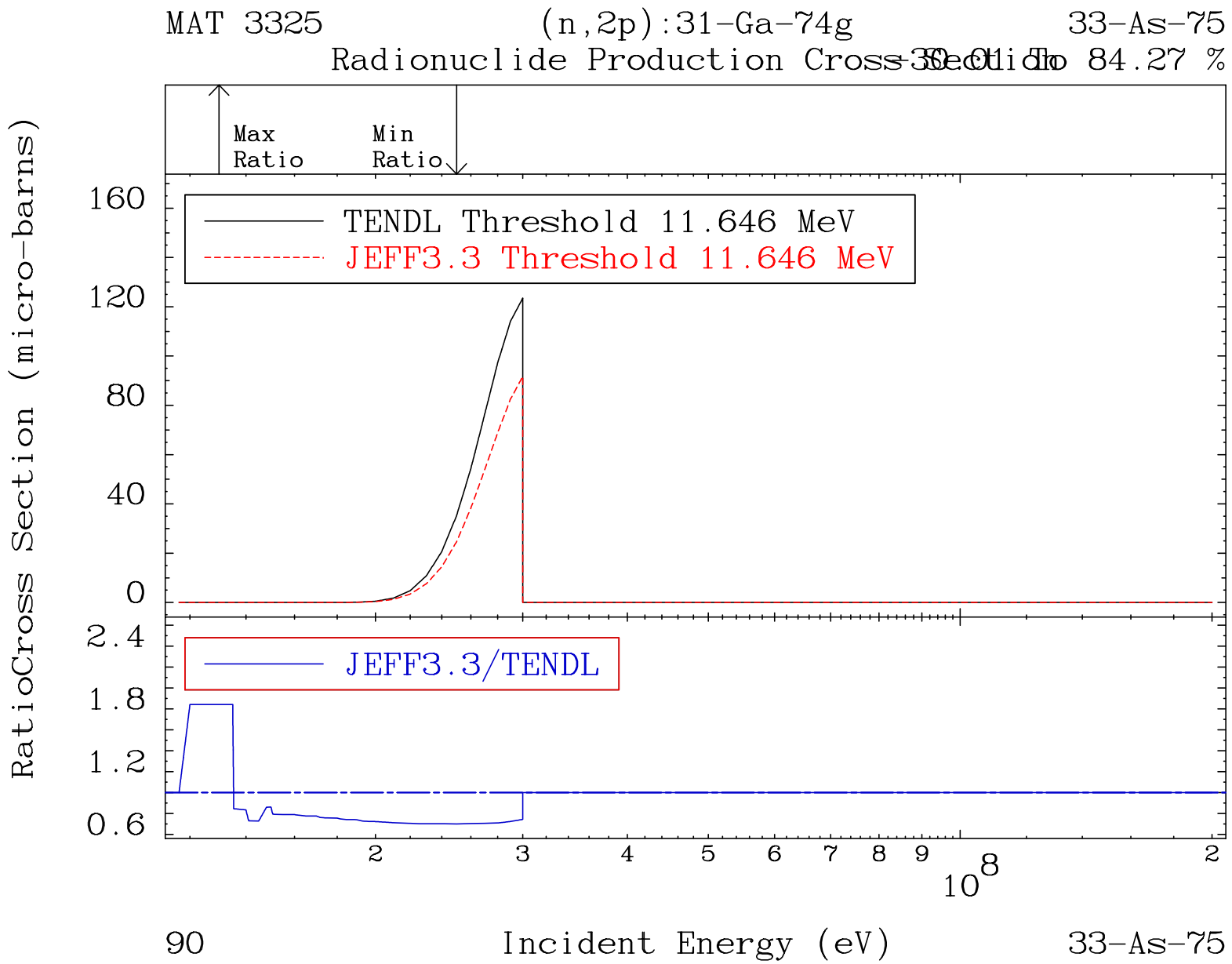

MAT 3325
(n,p):32-Ge-75m2
33-As-75
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 900.00 keV
JEFF3.3 Threshold 900.00 keV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
85
33-As-75

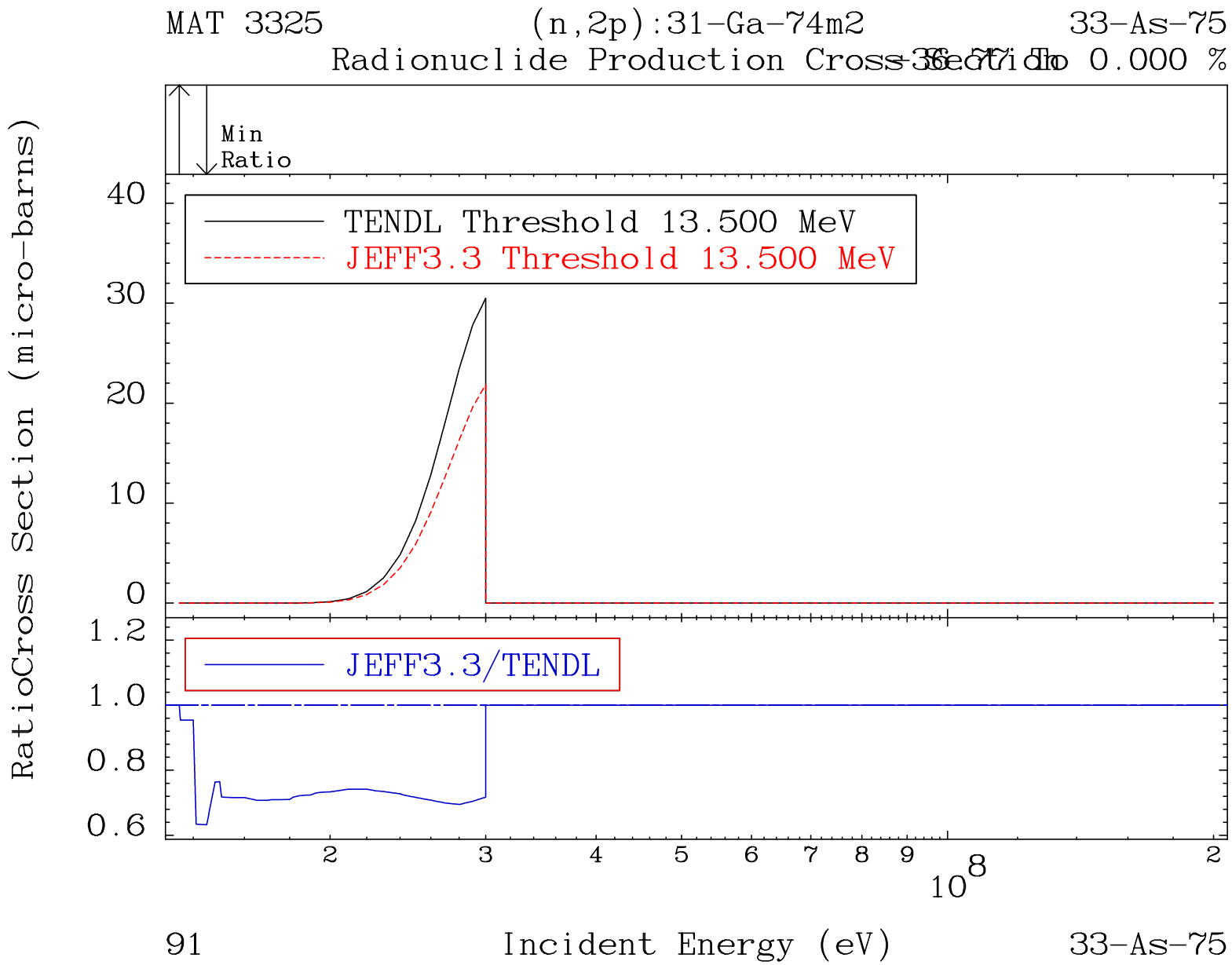

MAT 3325
(n,t):32-Ge-73g
33-As-75
Radionuclide Production Cross Section To 5.441 %
Min Ratio
Max Ratio
TENDL Threshold 8.7311 MeV
JEFF3.3 Threshold 8.7311 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
1.1
1.0
0.9
9
10^7
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
33-As-75

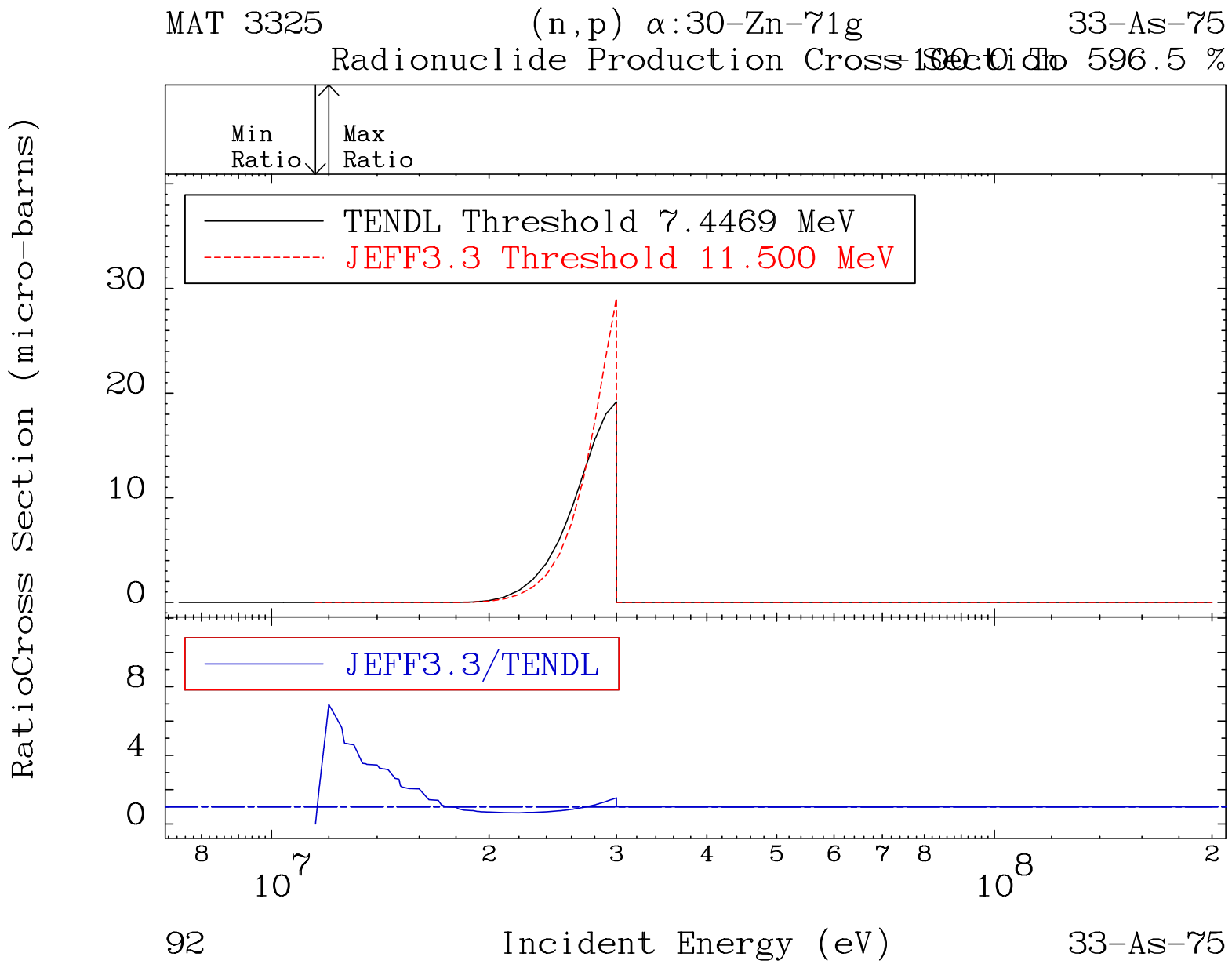

MAT 3325
(n,t):32-Ge-73m2
33-As-75
Radionuclide Production Cross Section To 0.000 %
Max Ratio
Min Ratio
TENDL Threshold 9.5000 MeV
JEFF3.3 Threshold 9.5000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
87
Incident Energy (eV)
33-As-75

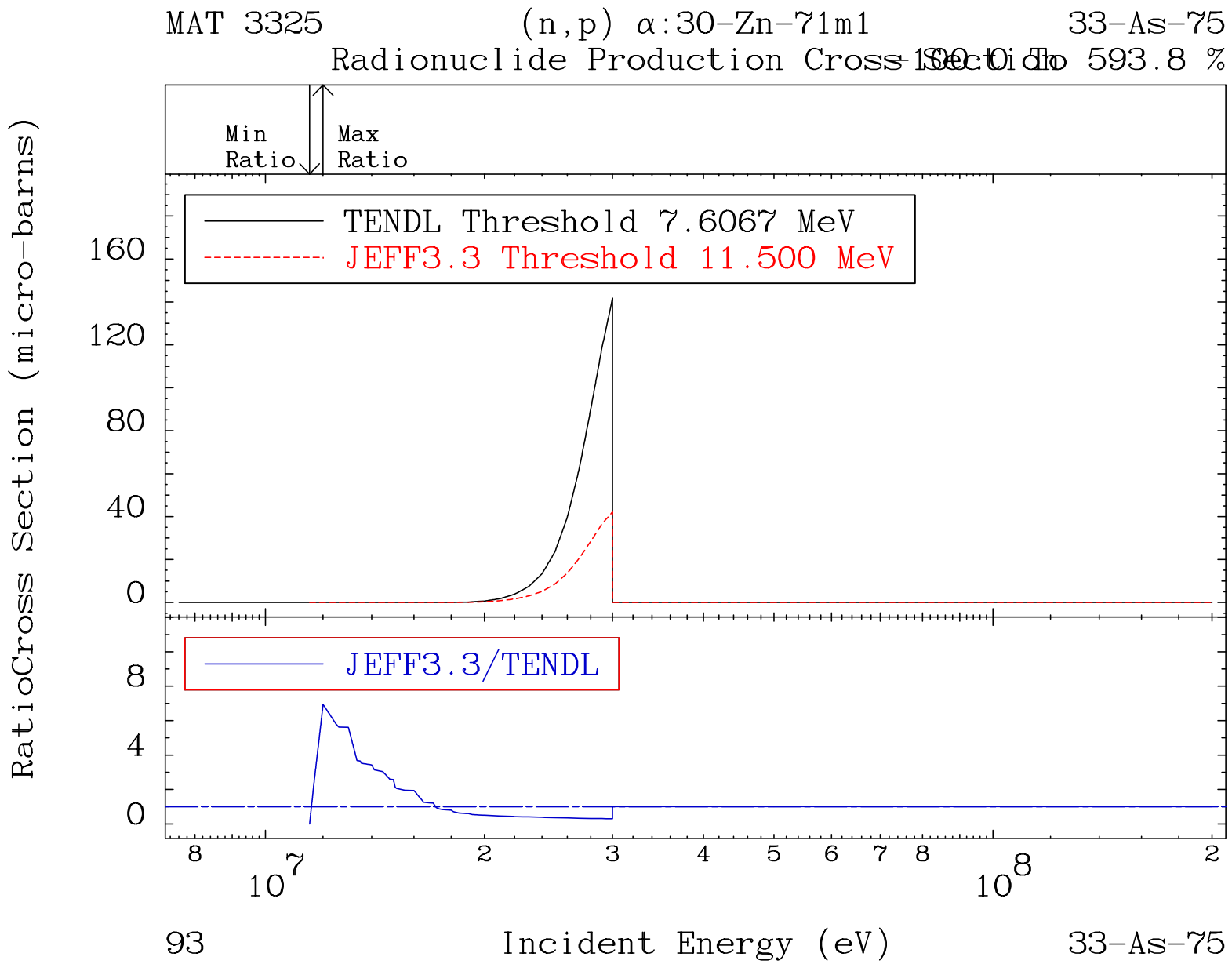

MAT 3325
(n,2α):29-Cu-68g
33-As-75
Radionuclide Production Cross Section To 4244. %
Max Ratio
Min Ratio
TENDL Threshold 4.3028 MeV
JEFF3.3 Threshold 4.3028 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
120
100
80
60
40
20
0
10^2
10^1
10^0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
88
Incident Energy (eV)
33-As-75


MAT 3325
(n,2α):29-Cu-68m3
33-As-75
Radionuclide Production Cross Section To 4926. %
Max Ratio
Min Ratio
TENDL Threshold 12.000 MeV
JEFF3.3 Threshold 11.500 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
40
30
20
10
0
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
89
Incident Energy (eV)
33-As-75


MAT 3325
(n,2p):31-Ga-74g
33-As-75
Radionuclide Production Cross Section To 84.27 %
Max Ratio
Min Ratio
TENDL Threshold 11.646 MeV
JEFF3.3 Threshold 11.646 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
160
120
80
40
0
2.4
1.8
1.2
0.6
2
3
4
5
6
7
8
9
2
10^8
90
Incident Energy (eV)
33-As-75


MAT 3325
(n,2p):31-Ga-74m2
33-As-75
Radionuclide Production Cross Section
Min
Ratio
TENDL Threshold 13.500 MeV
JEFF3.3 Threshold 13.500 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
91
33-As-75


MAT 3325
(n,p) α:30-Zn-71g
33-As-75
Radionuclide Production Cross Section To 596.5 %
Min Ratio
Max Ratio
TENDL Threshold 7.4469 MeV
JEFF3.3 Threshold 11.500 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
30
20
10
0
8
4
0
8
2
3
4
5
6
7
8
2
10^7
10^8
92
Incident Energy (eV)
33-As-75


MAT 3325
(n,p) α:30-Zn-71m1
33-As-75
Radionuclide Production Cross Section To 593.8 %
Min Ratio
Max Ratio
TENDL Threshold 7.6067 MeV
JEFF3.3 Threshold 11.500 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
160
120
80
40
0
8
4
0
8
2
3
4
5
6
7
8
2
10^7
10^8
93
Incident Energy (eV)
33-As-75