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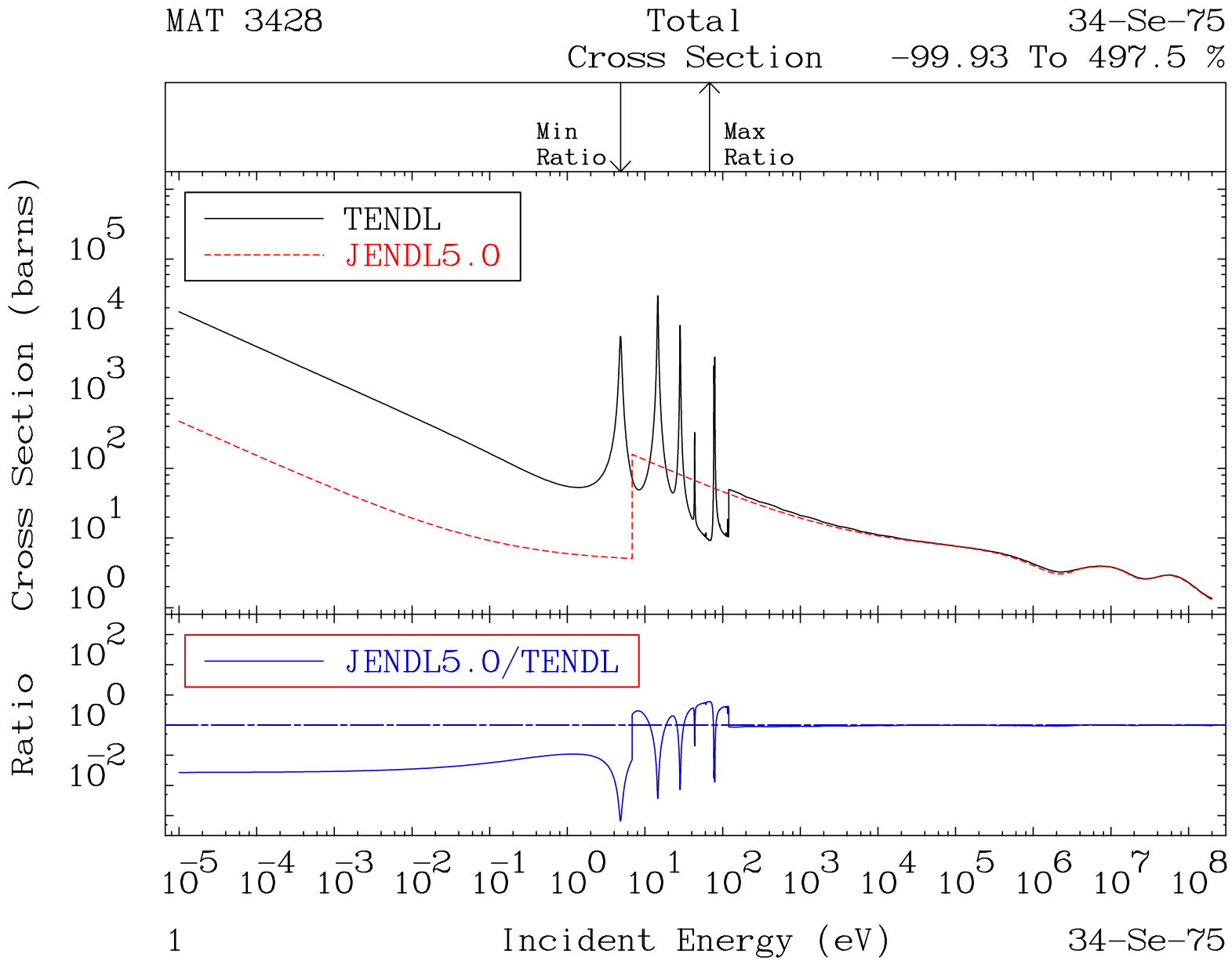
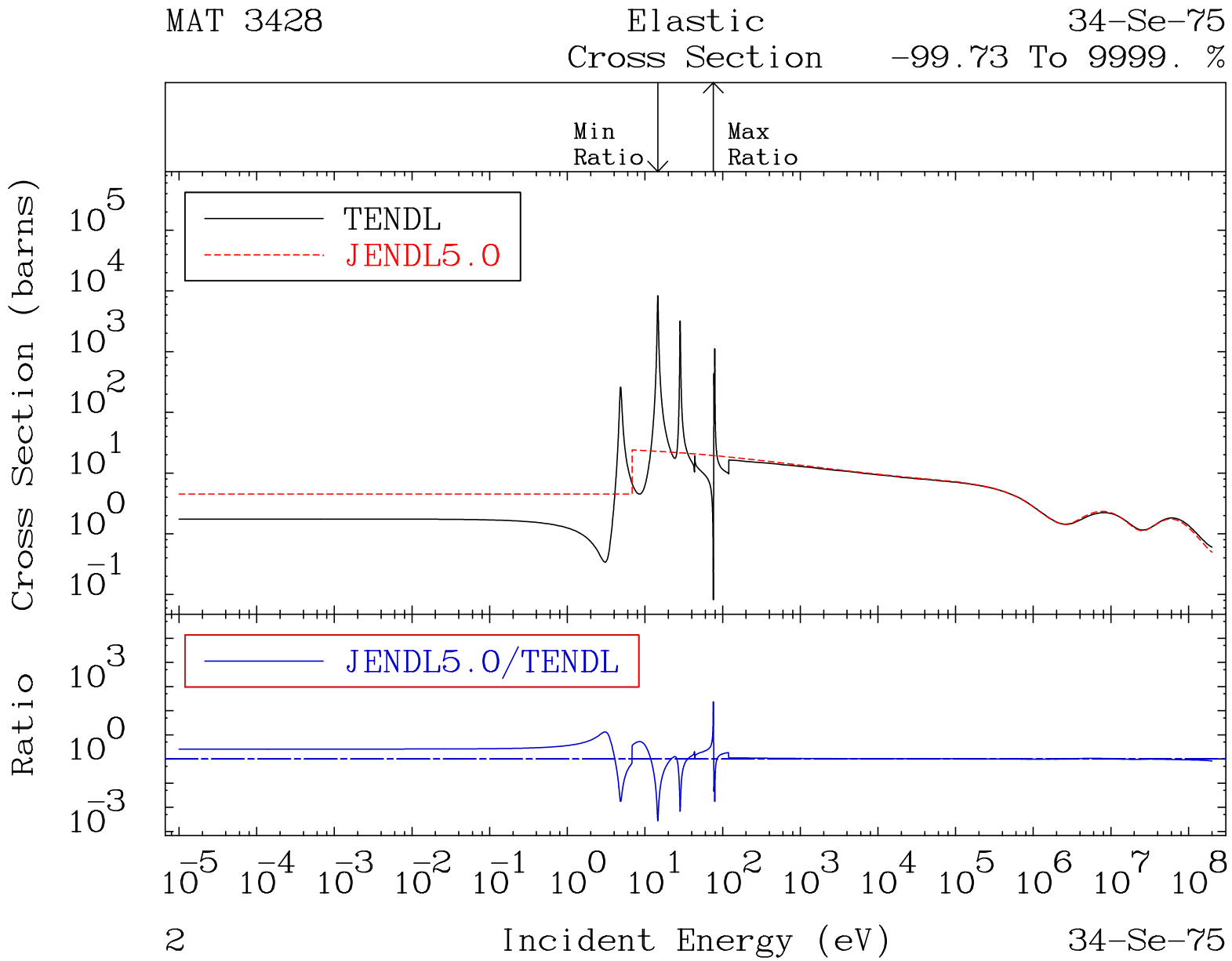
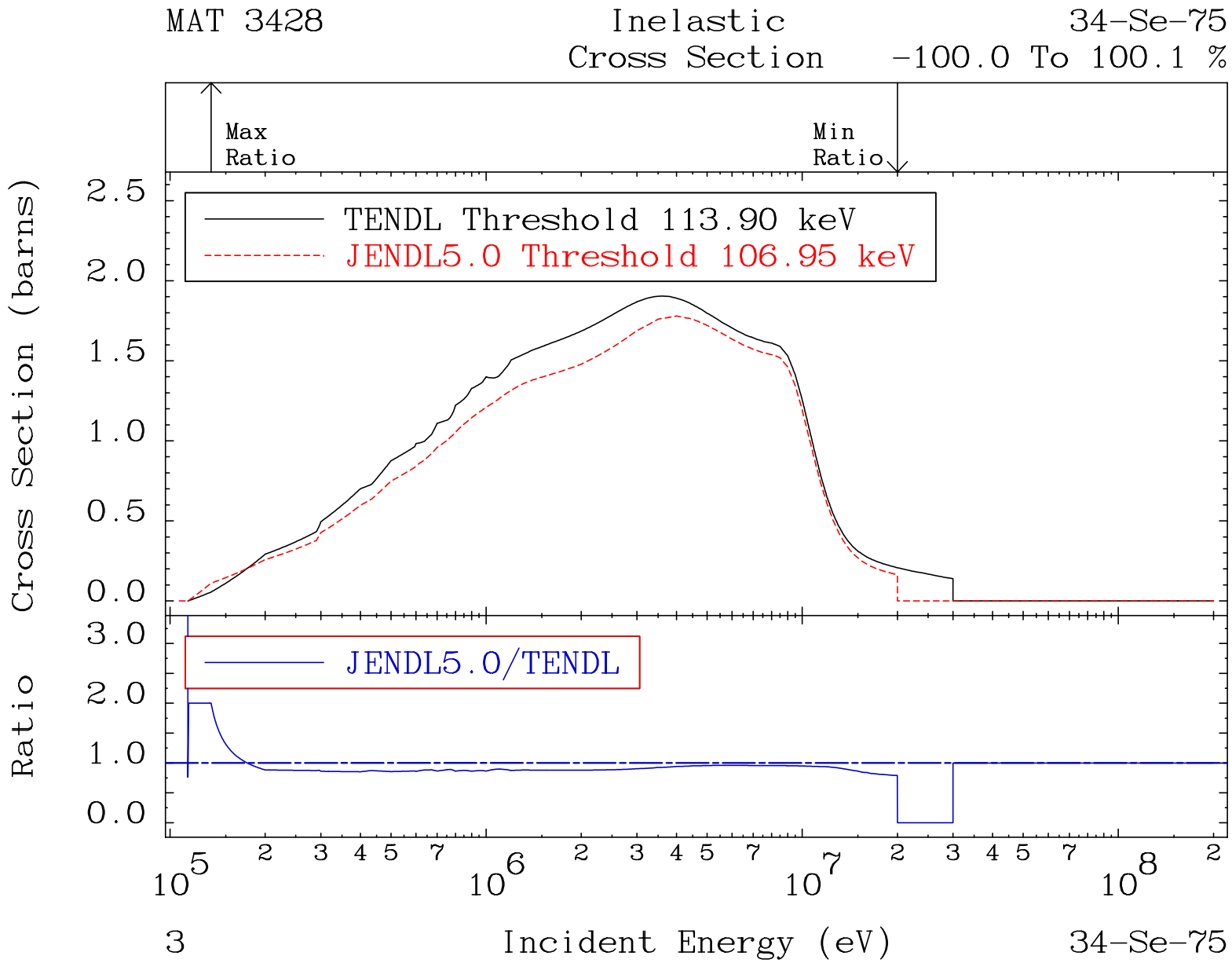
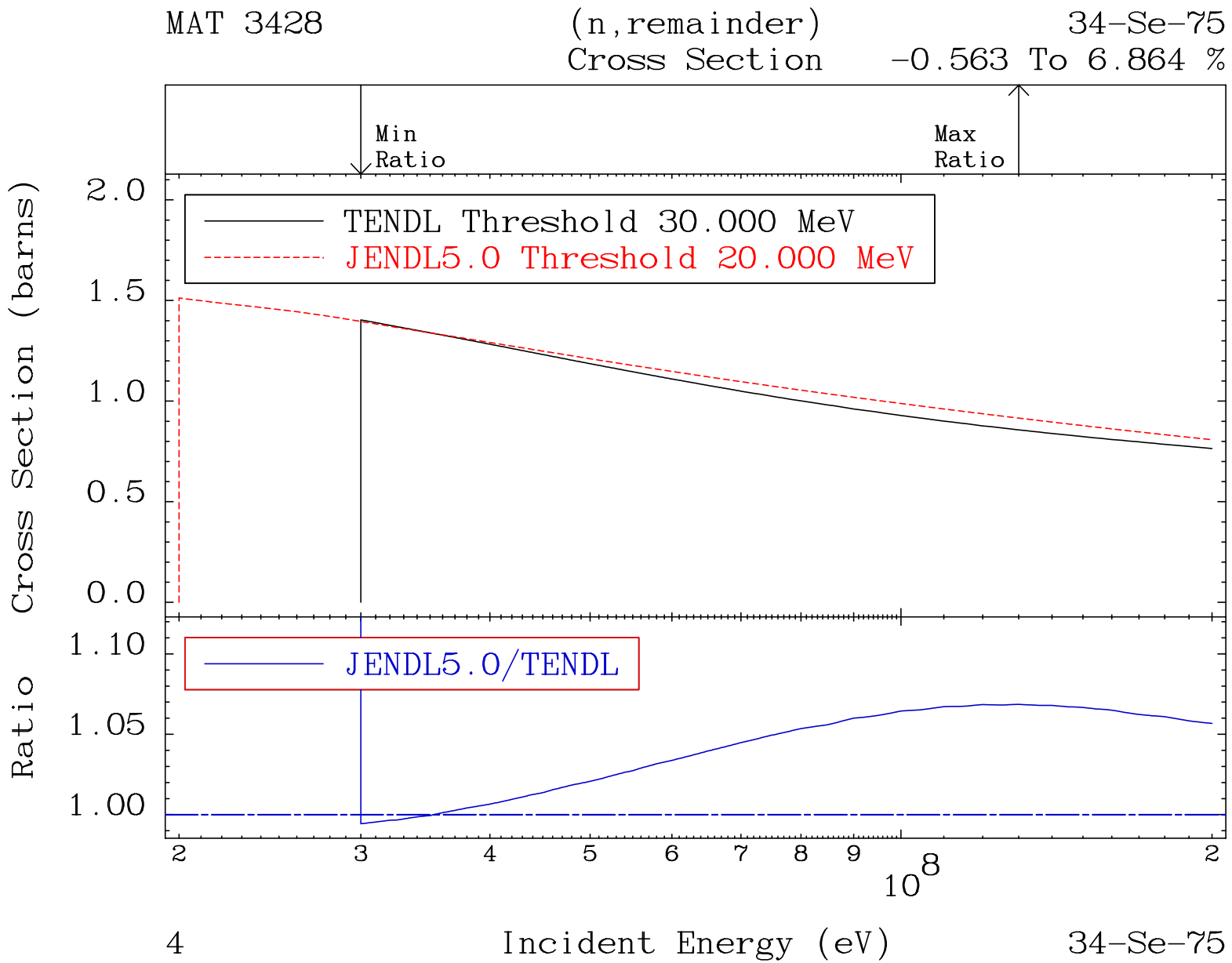
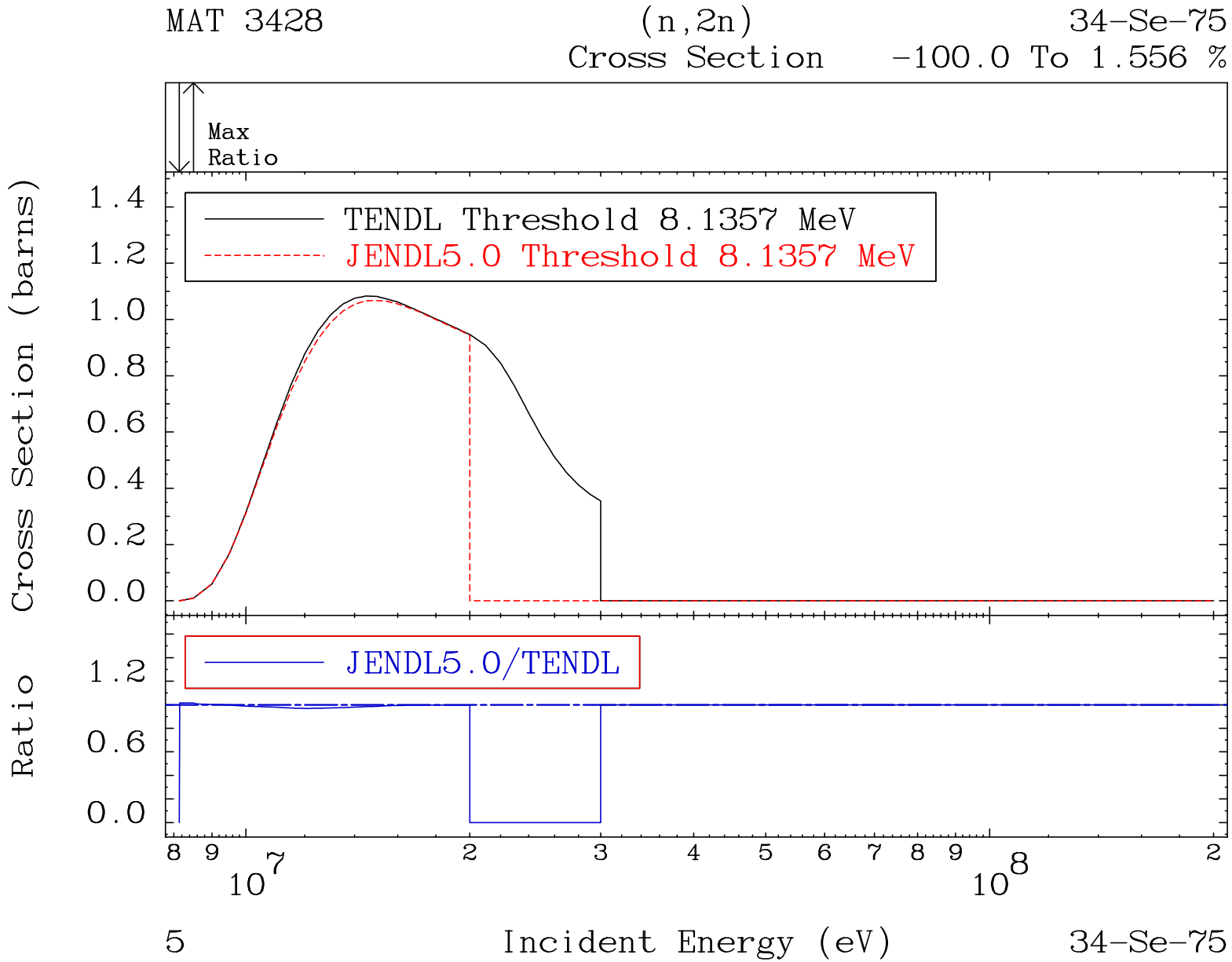
Press Mouse Button to Start

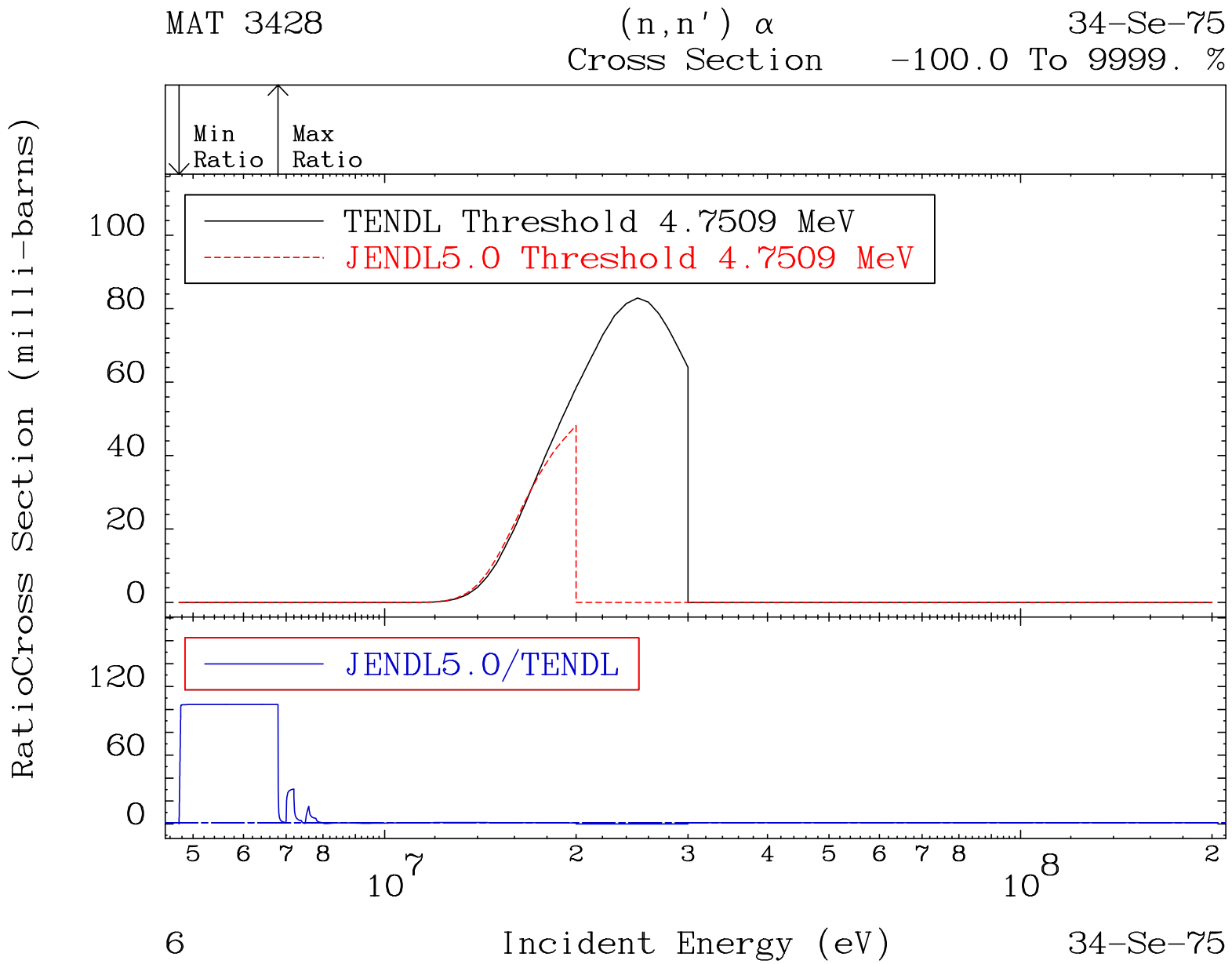

MAT 3428
Total
Cross Section
34-Se-75
-99.93 To 497.5 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
34-Se-75

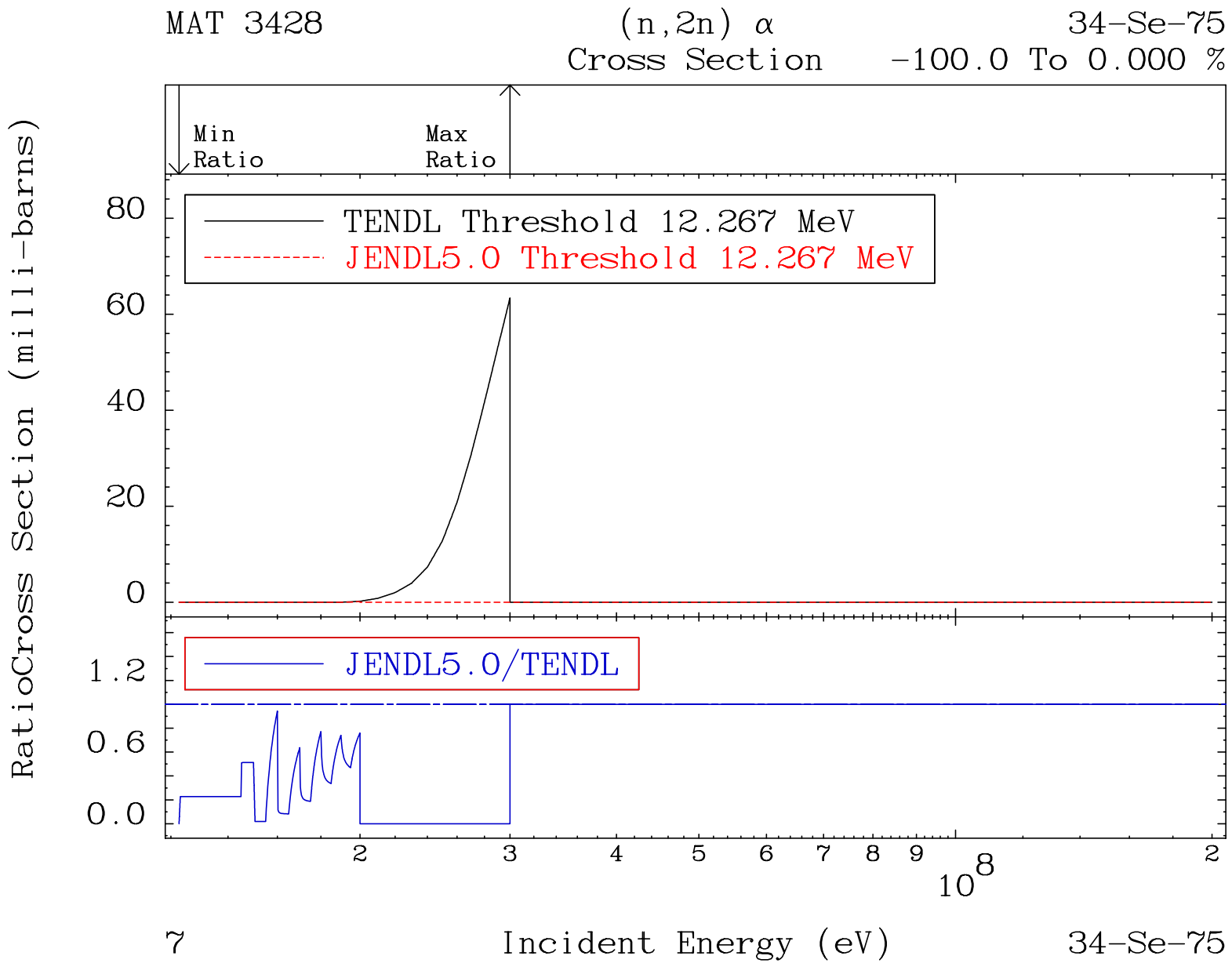

MAT 3428
Elastic
Cross Section
34-Se-75
-99.73 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
34-Se-75

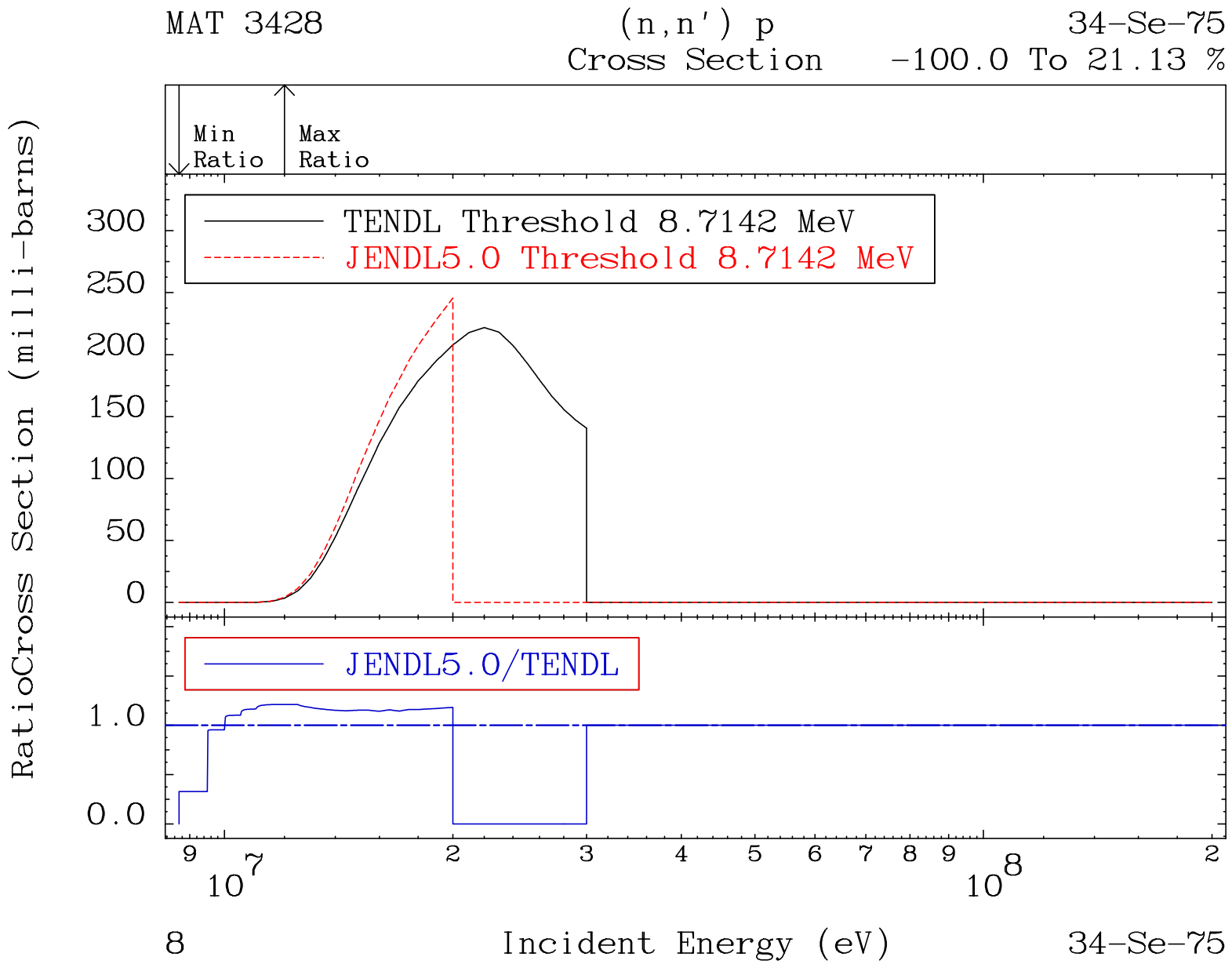

MAT 3428
Inelastic
Cross Section
34-Se-75
-100.0 To 100.1 %
Max
Ratio
Min
Ratio
TENDL Threshold 113.90 keV
JENDL5.0 Threshold 106.95 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
3.0
2.0
1.0
0.0
10^5
10^6
10^7
10^8
Incident Energy (eV)
3
34-Se-75

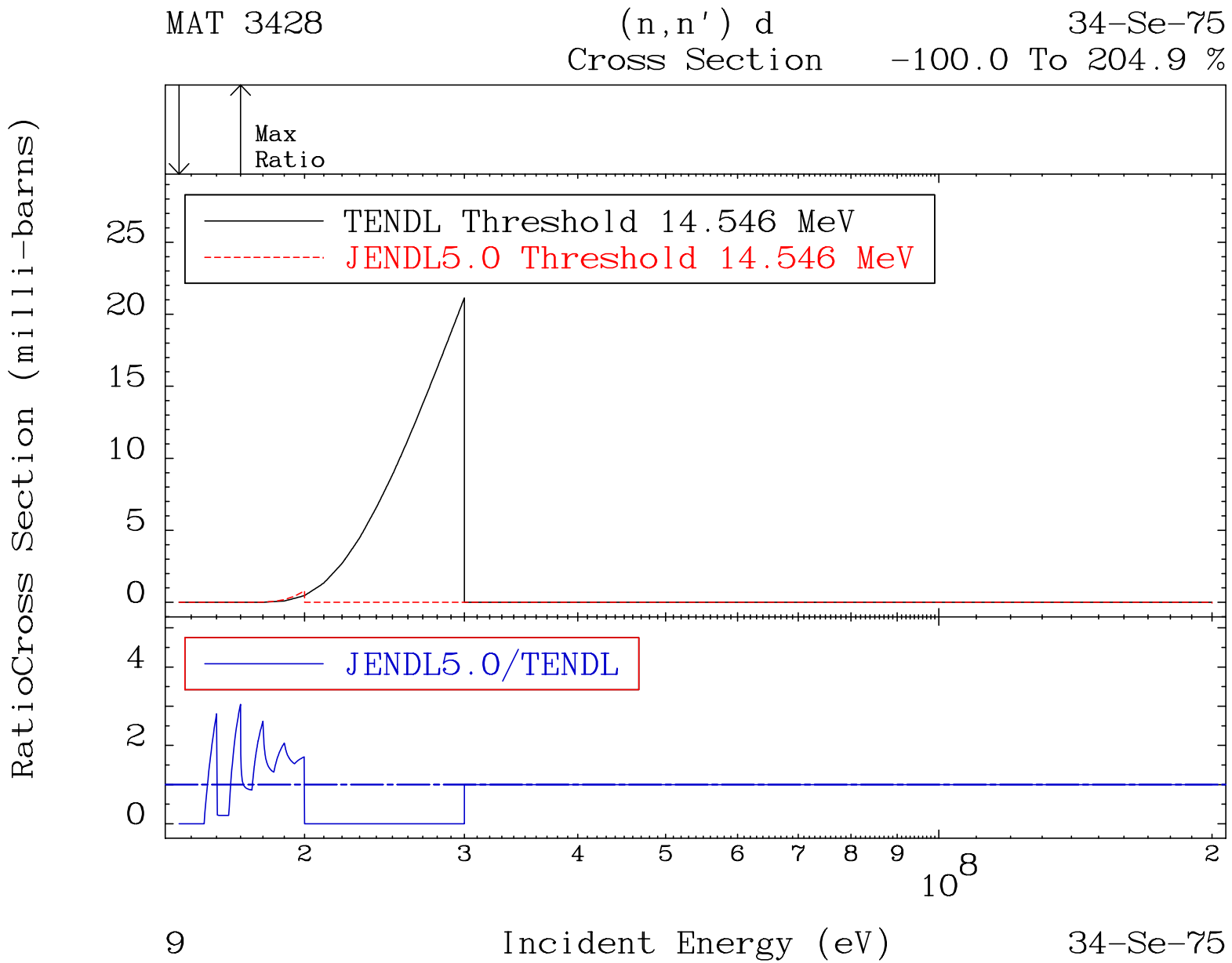

MAT 3428
(n,remainder)
Cross Section
34-Se-75
-0.563 To 6.864 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.10
1.05
1.00
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
34-Se-75

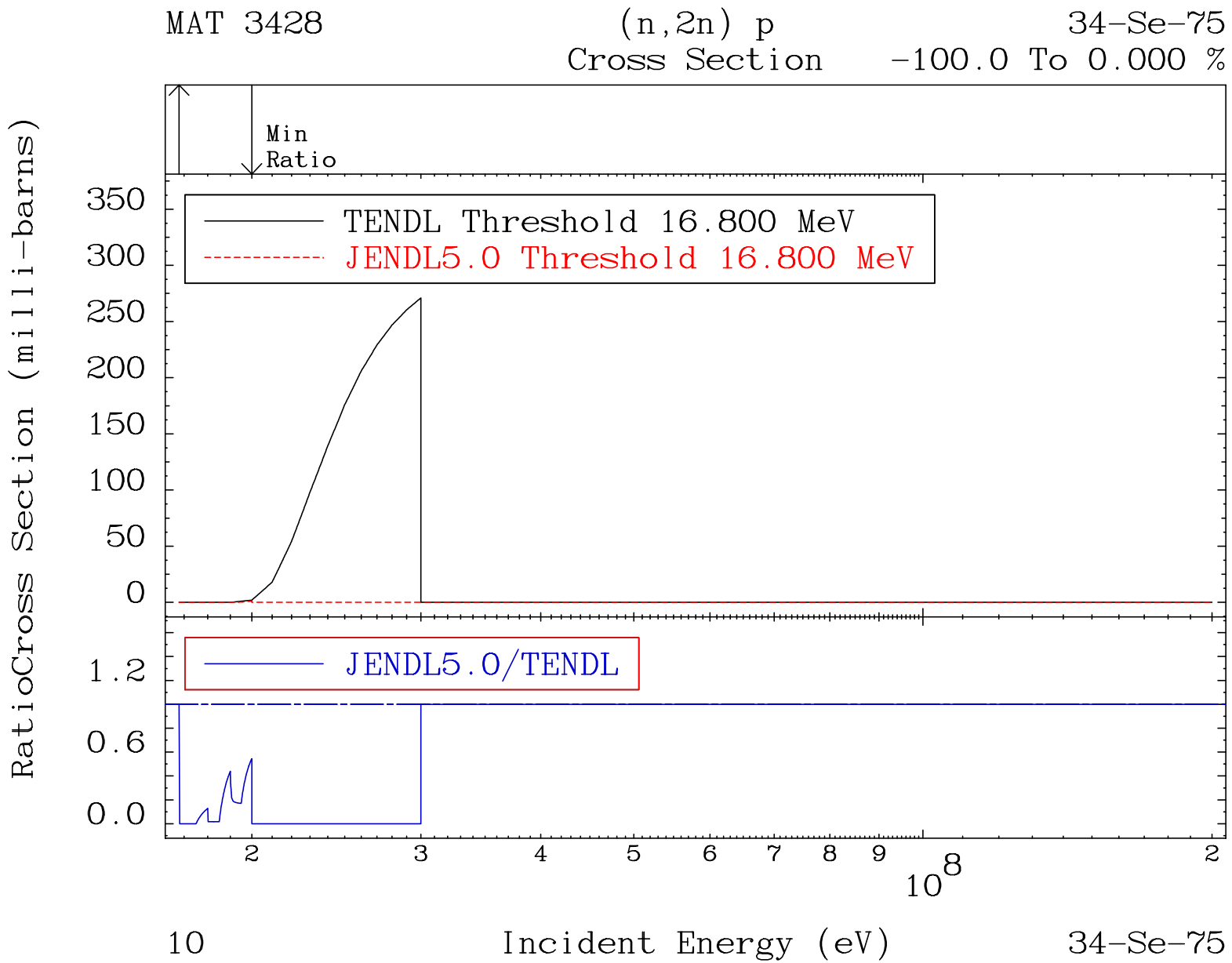

MAT 3428
(n,2n)
Cross Section
34-Se-75
-100.0 To 1.556 %
Max
Ratio
TENDL Threshold 8.1357 MeV
JENDL5.0 Threshold 8.1357 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
Incident Energy (eV)
5
34-Se-75

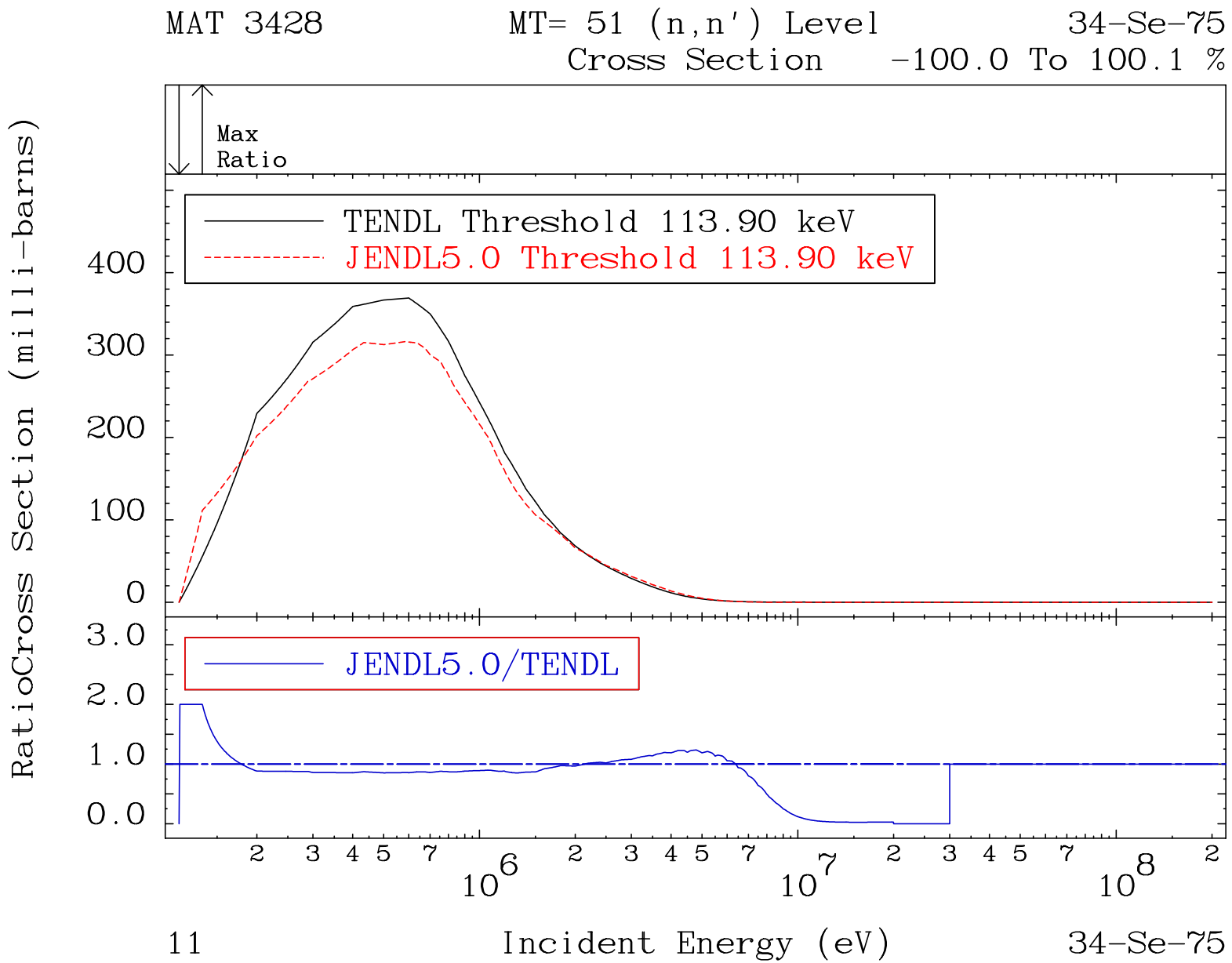

MAT 3428
(n,n') α
Cross Section
34-Se-75
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 4.7509 MeV
JENDL5.0 Threshold 4.7509 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
120
60
0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
6
Incident Energy (eV)
34-Se-75

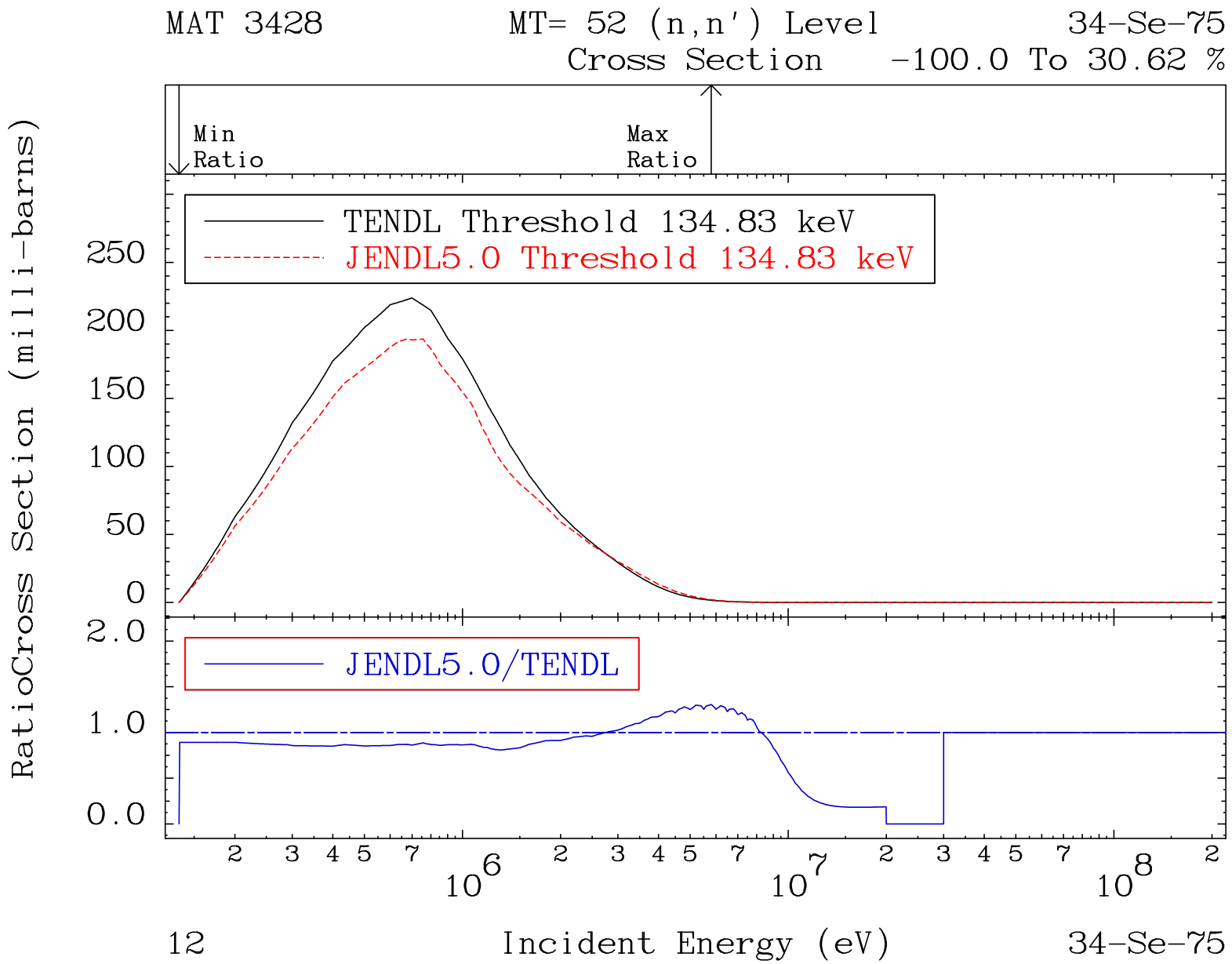

MAT 3428
(n,2n) α
34-Se-75
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 12.267 MeV
JENDL5.0 Threshold 12.267 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
7
Incident Energy (eV)
34-Se-75

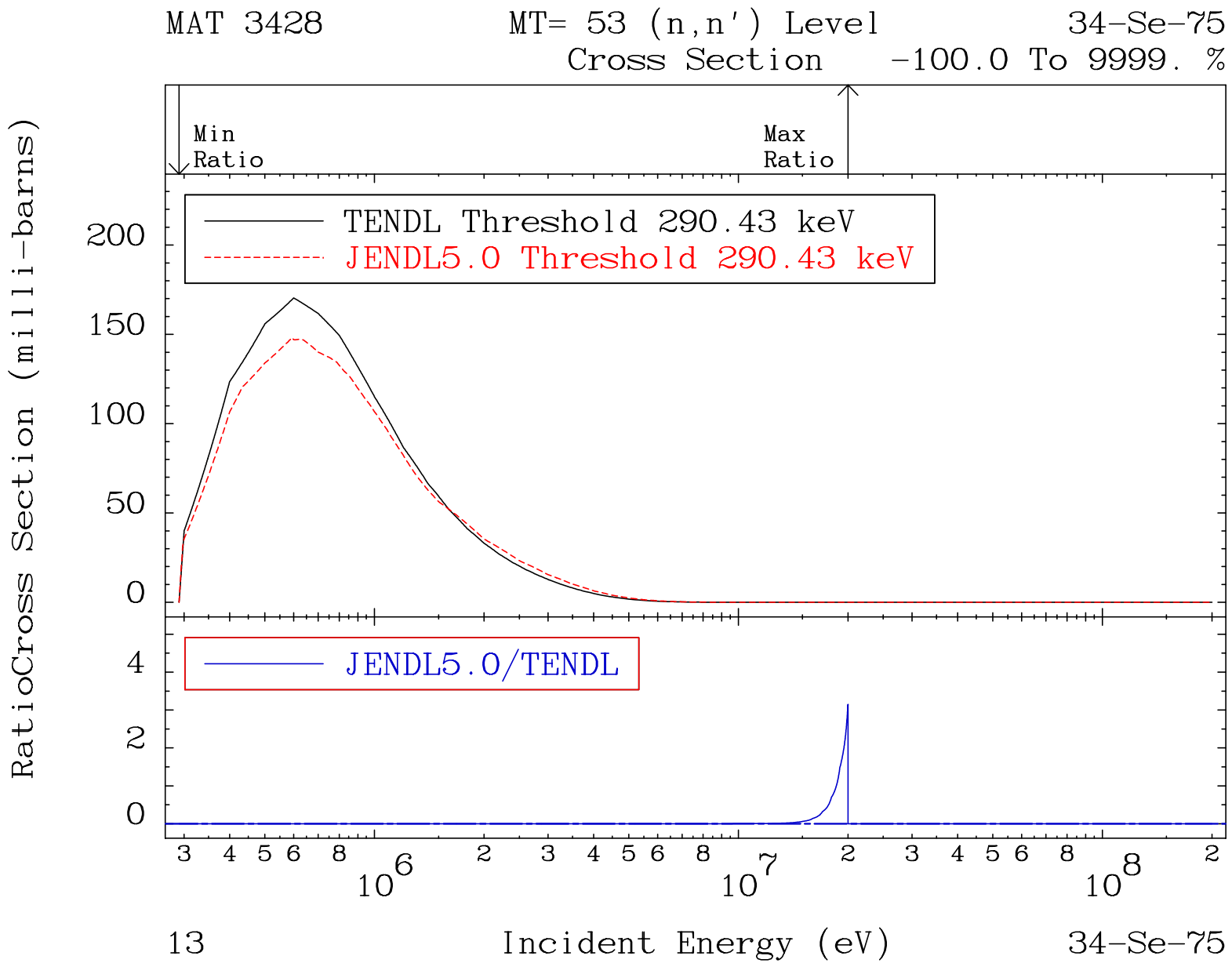

MAT 3428
(n,n') p
Cross Section
34-Se-75
-100.0 To 21.13 %
Min Ratio
Max Ratio
TENDL Threshold 8.7142 MeV
JENDL5.0 Threshold 8.7142 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
1.0
0.0
9
10^7
2
3
4
5
6
7
8
9
10^8
2
8
Incident Energy (eV)
34-Se-75

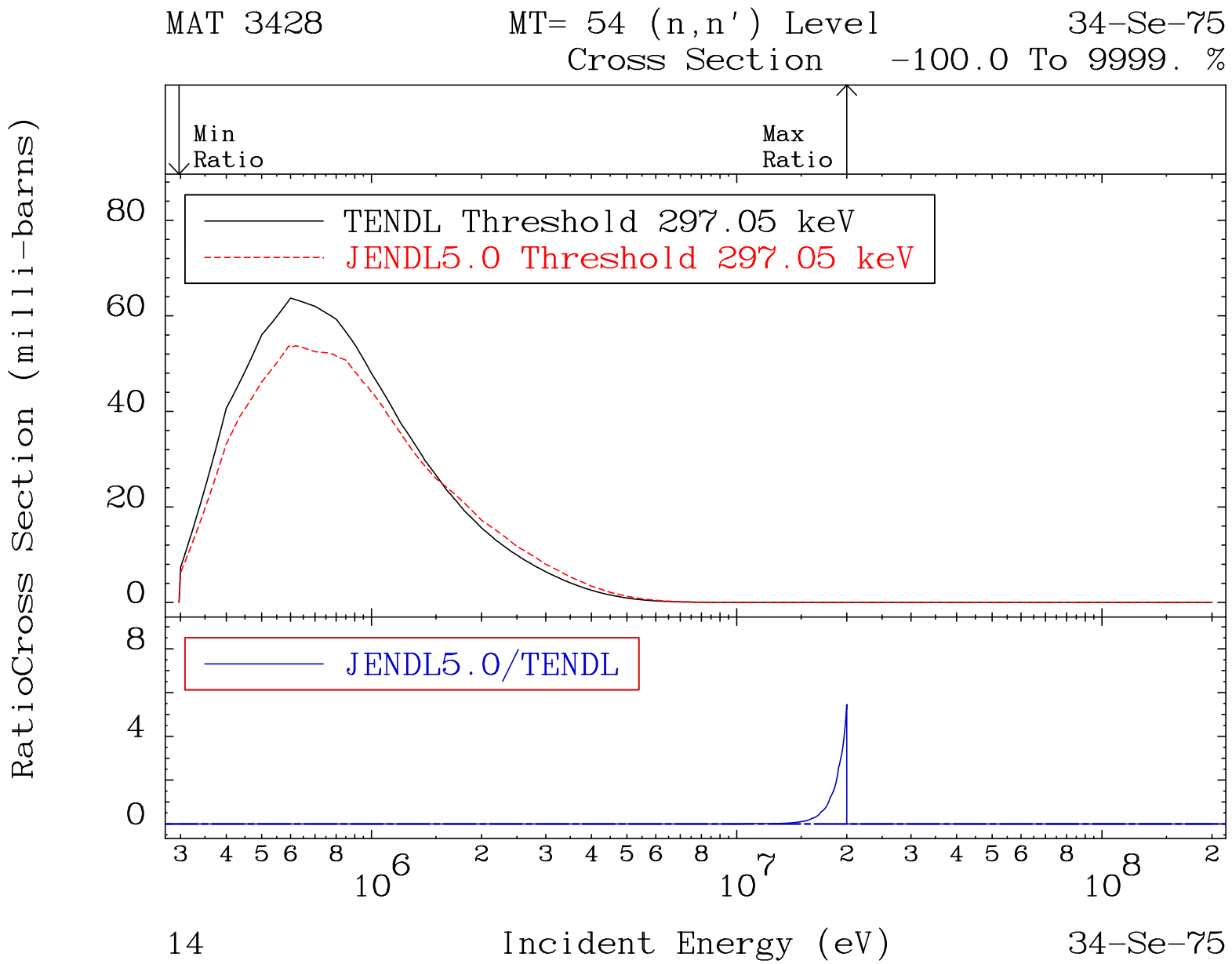

MAT 3428
(n,n') d
Cross Section
34-Se-75
-100.0 To 204.9 %
Max
Ratio
TENDL Threshold 14.546 MeV
JENDL5.0 Threshold 14.546 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
4
2
0
2
3
4
5
6
7
8
9
10^8
2
9
Incident Energy (eV)
34-Se-75

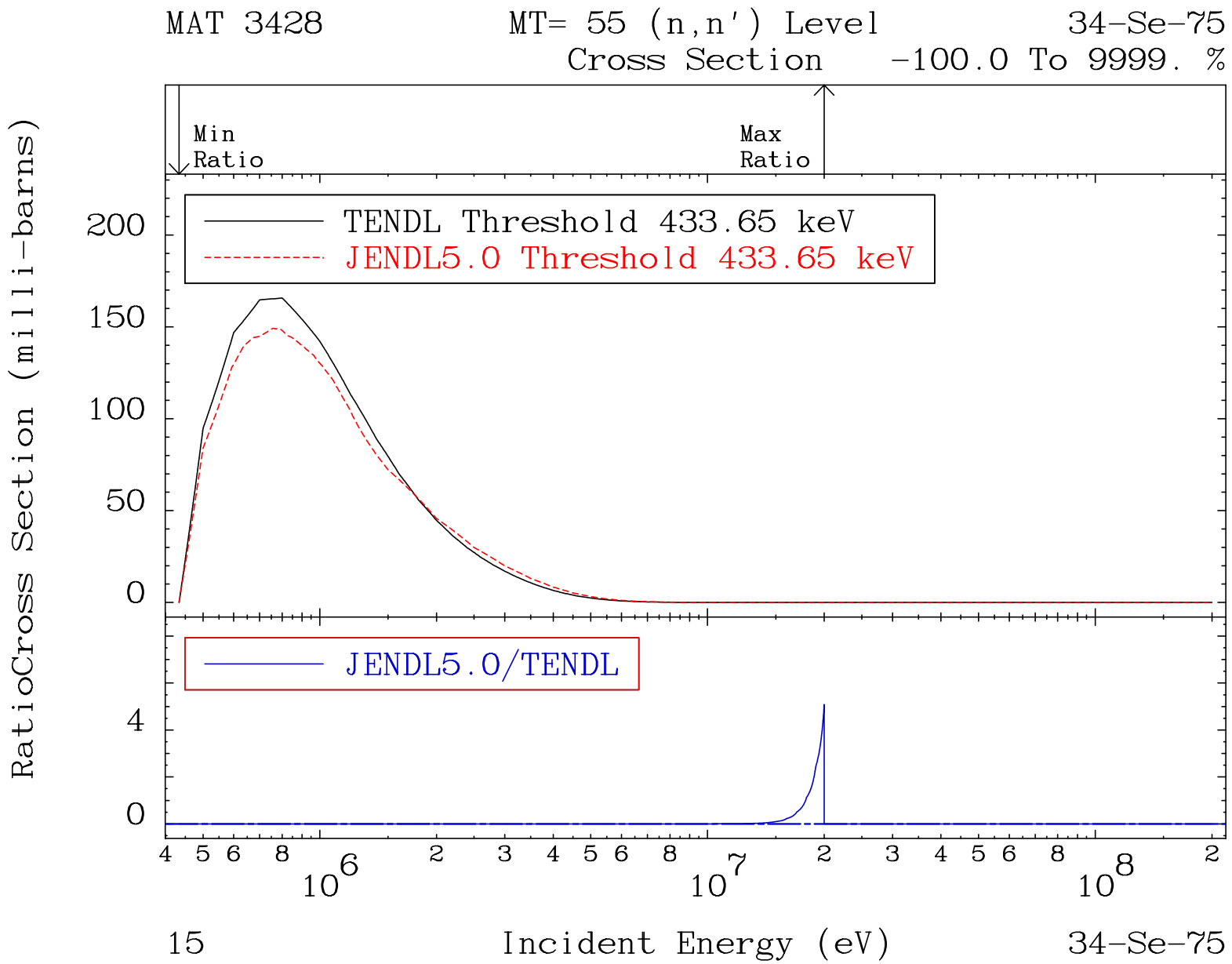

MAT 3428
(n,2n) p
34-Se-75
Cross Section
-100.0 To 0.000 %
Min
Ratio
TENDL Threshold 16.800 MeV
JENDL5.0 Threshold 16.800 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
1.2
0.6
0.0
2
3
4
5
6
7
8
9
10^8
2
10
Incident Energy (eV)
34-Se-75

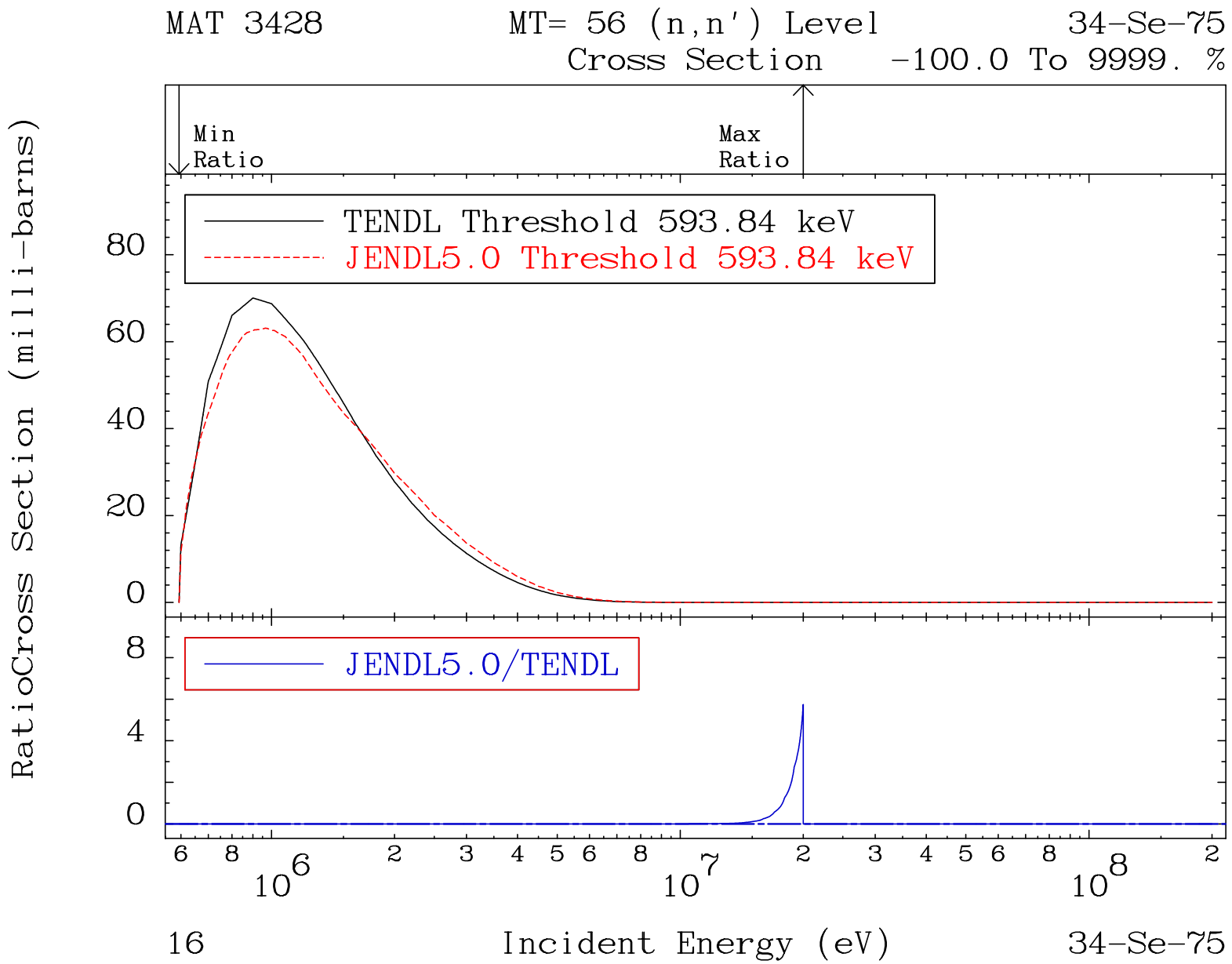

MAT 3428
MT= 51 (n,n') Level
34-Se-75
Cross Section -100.0 To 100.1 %
Max
Ratio
TENDL Threshold 113.90 keV
JENDL5.0 Threshold 113.90 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
3.0
2.0
1.0
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
11
Incident Energy (eV)
34-Se-75

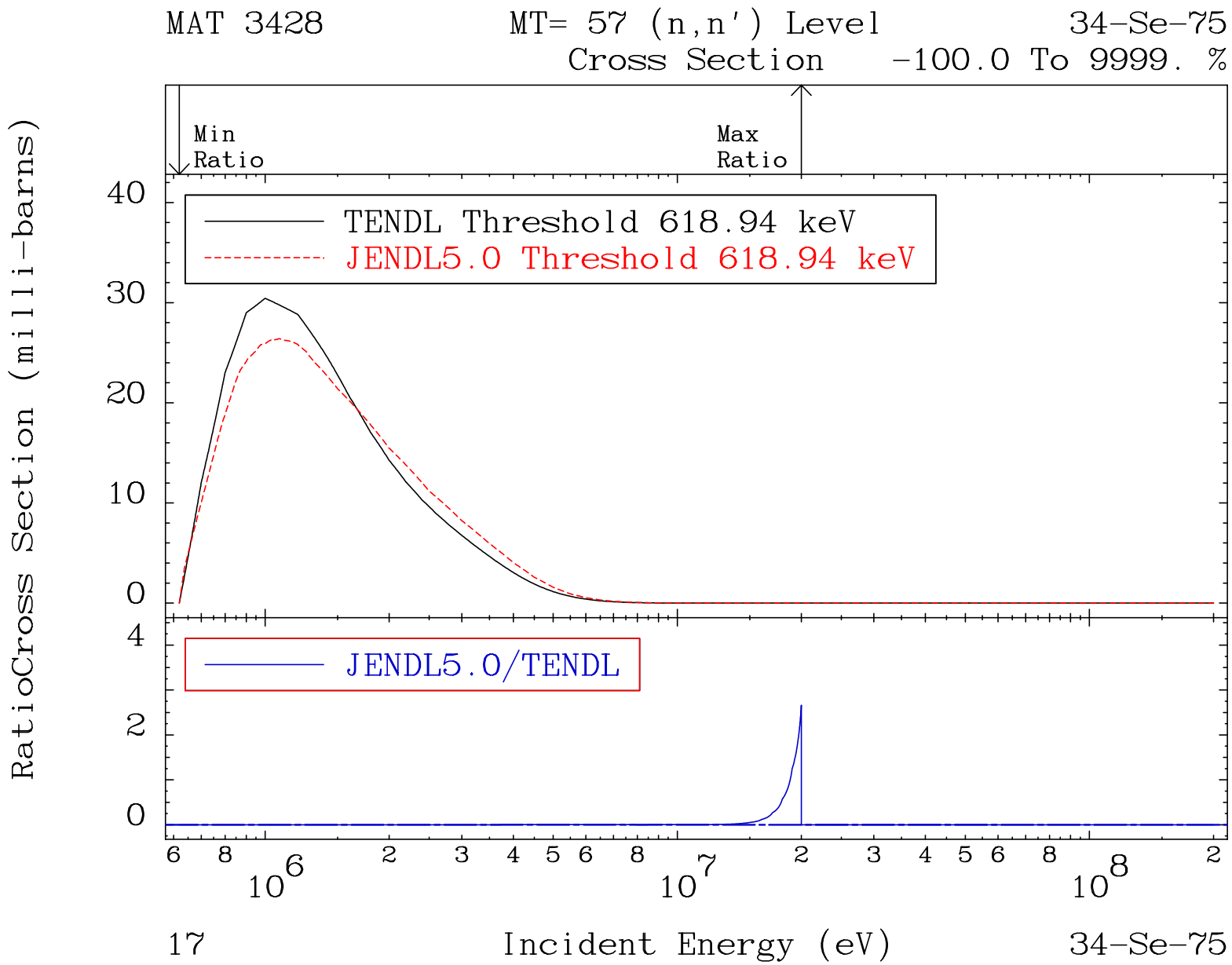

MAT 3428
MT= 52 (n,n') Level
34-Se-75
Cross Section
-100.0 To 30.62 %
Min Ratio
Max Ratio
TENDL Threshold 134.83 keV
JENDL5.0 Threshold 134.83 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
250
200
150
100
50
0
2.0
1.0
0.0
2 3 4 5 7 10^6 2 3 4 5 7 10^7 2 3 4 5 7 10^8 2
12
Incident Energy (eV)
34-Se-75

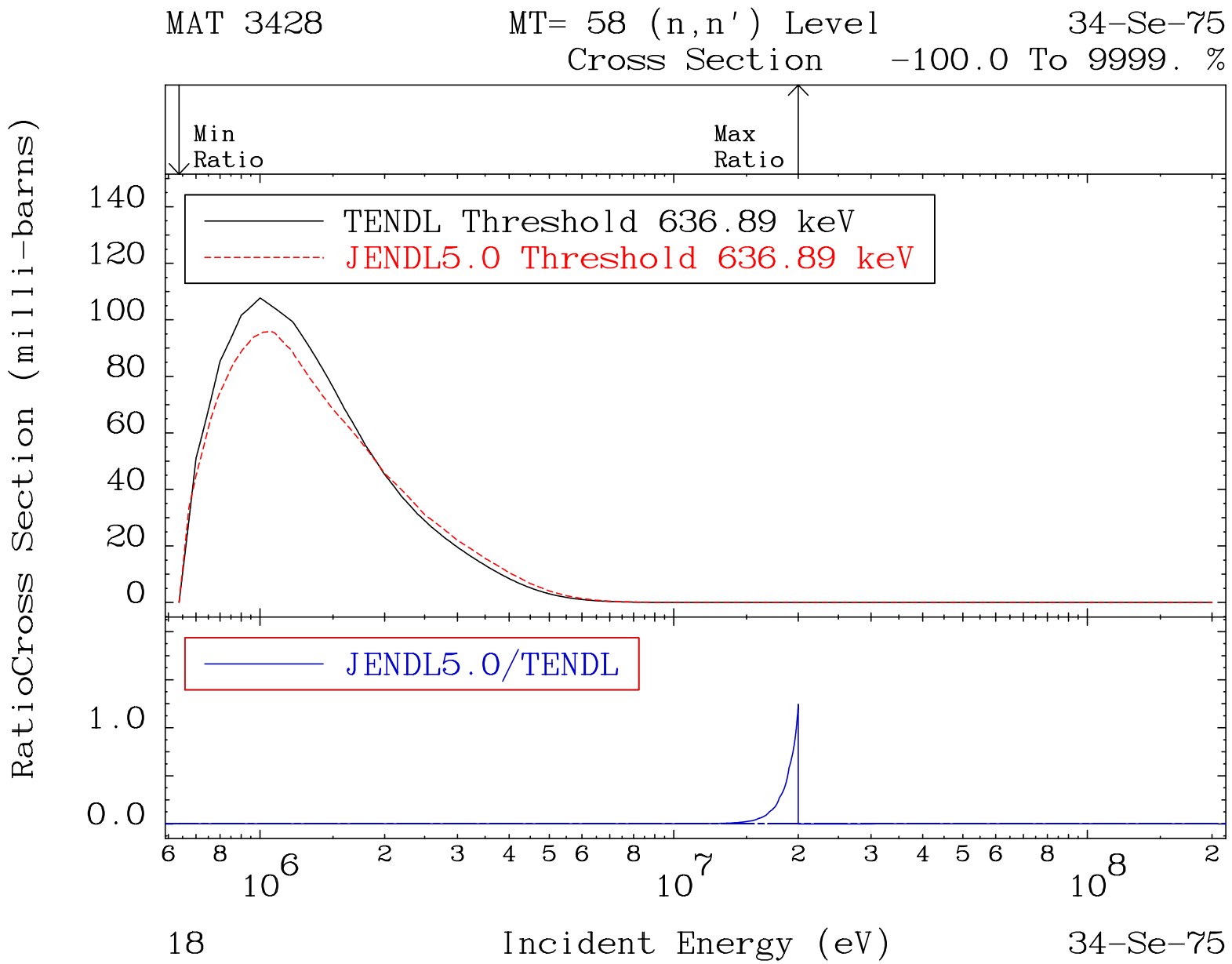

MAT 3428
MT= 53 (n,n') Level
34-Se-75
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 290.43 keV
JENDL5.0 Threshold 290.43 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
4
2
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
13
Incident Energy (eV)
34-Se-75

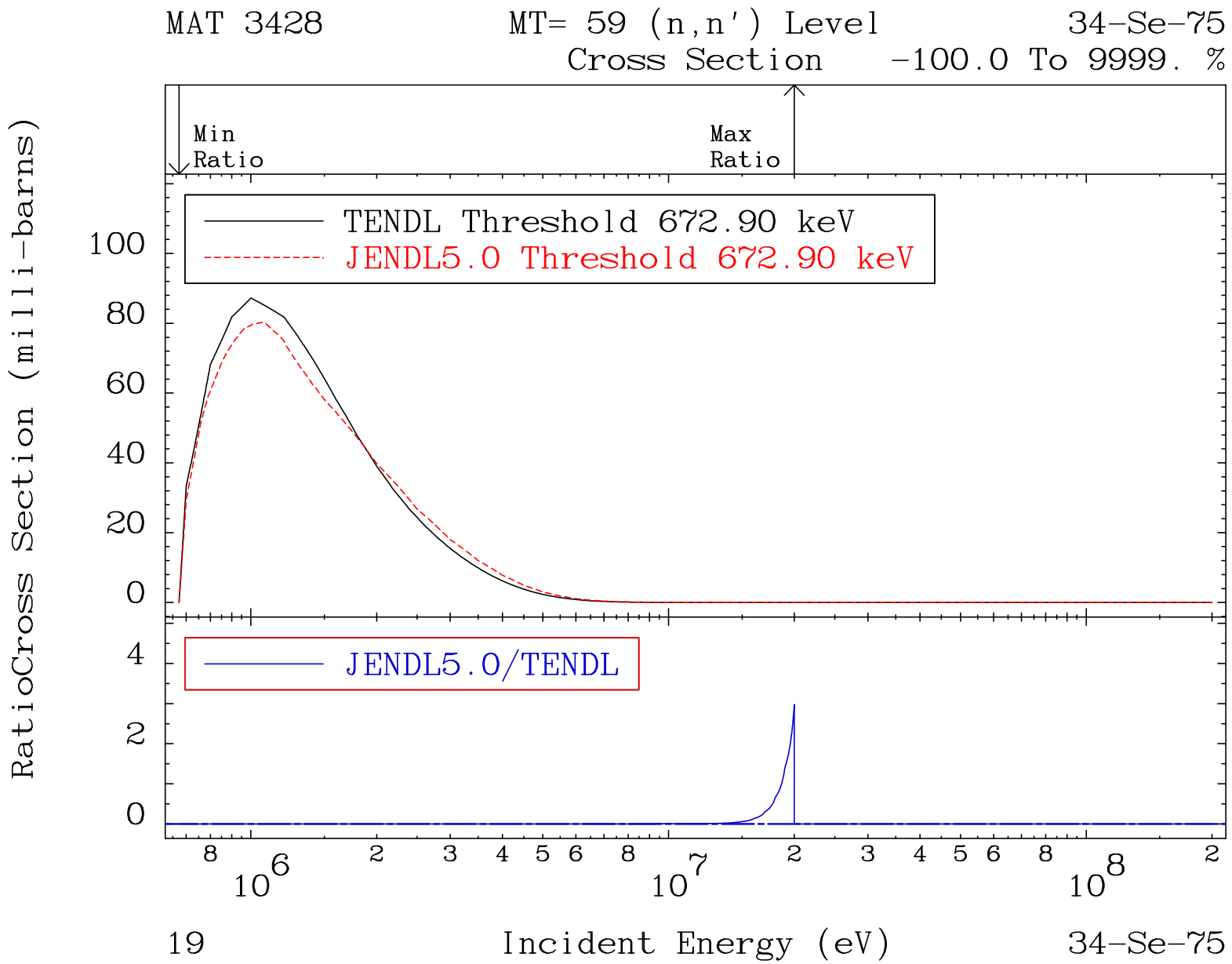

MAT 3428
MT= 54 (n,n') Level
34-Se-75
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 297.05 keV
JENDL5.0 Threshold 297.05 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
8
4
0
3 4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
14
Incident Energy (eV)
34-Se-75

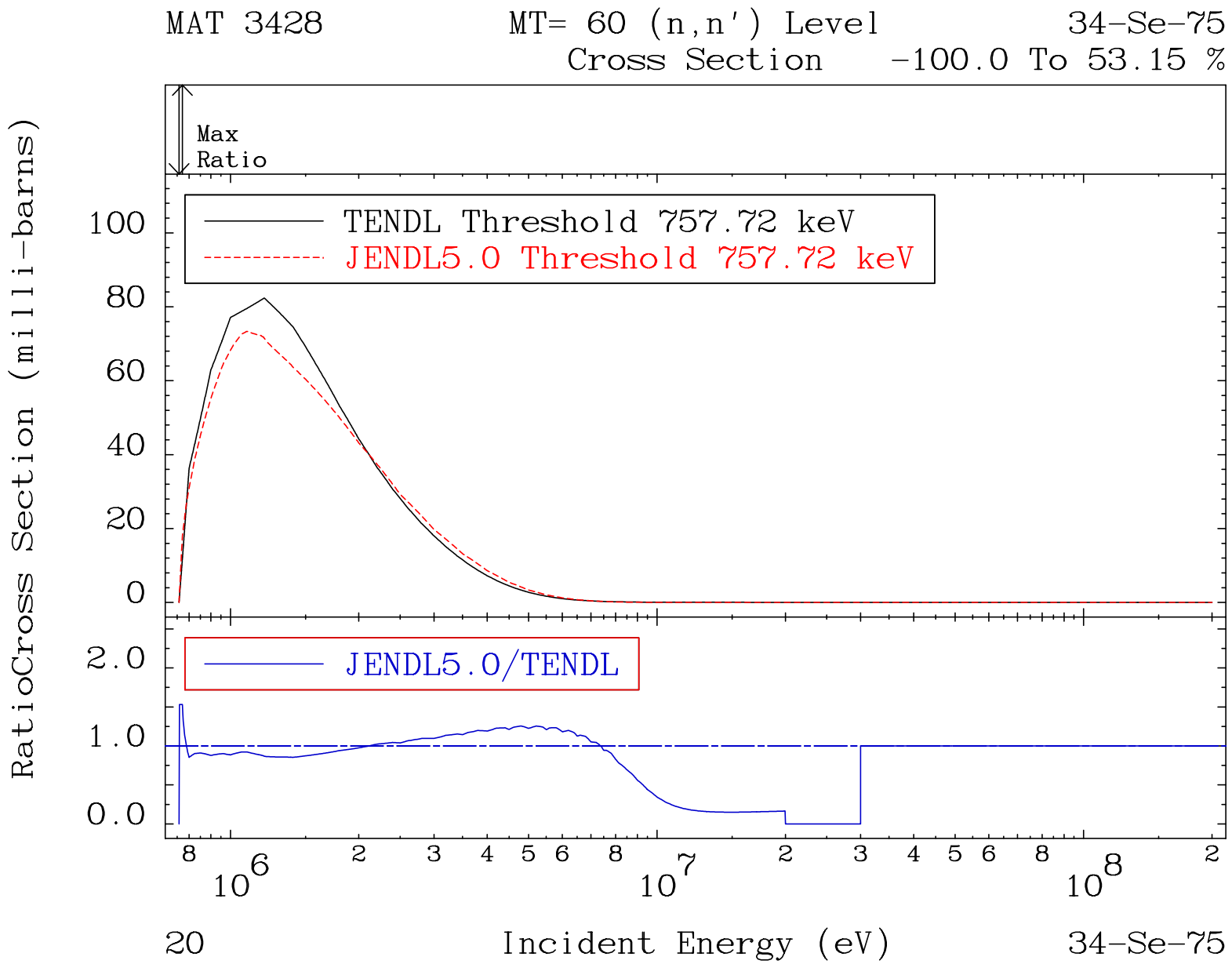

MAT 3428
MT= 55 (n,n') Level
34-Se-75
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 433.65 keV
JENDL5.0 Threshold 433.65 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
4
0
4 5 6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
Incident Energy (eV)
15
34-Se-75

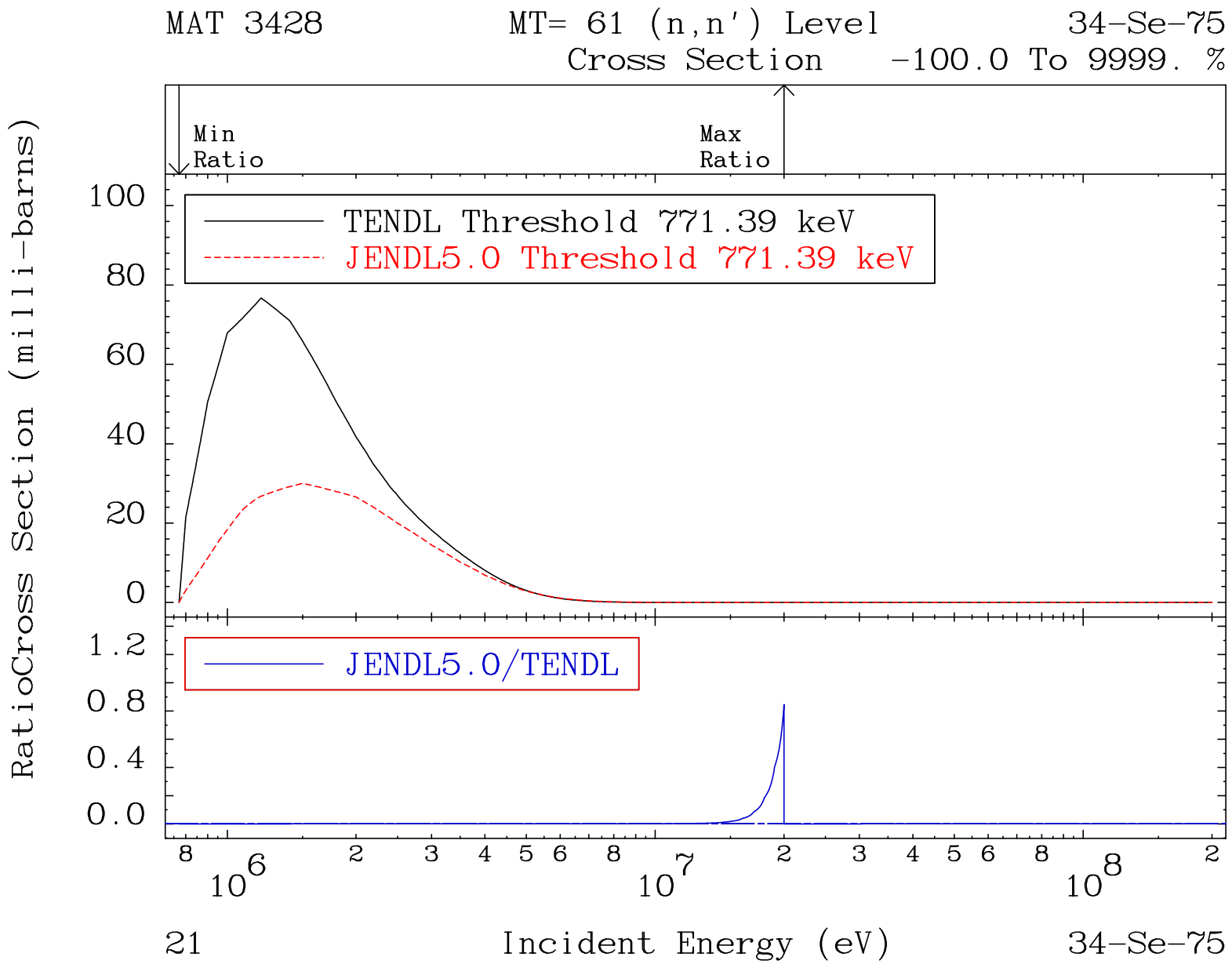

MAT 3428
MT= 56 (n,n') Level
34-Se-75
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 593.84 keV
JENDL5.0 Threshold 593.84 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
8
4
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
16
Incident Energy (eV)
34-Se-75

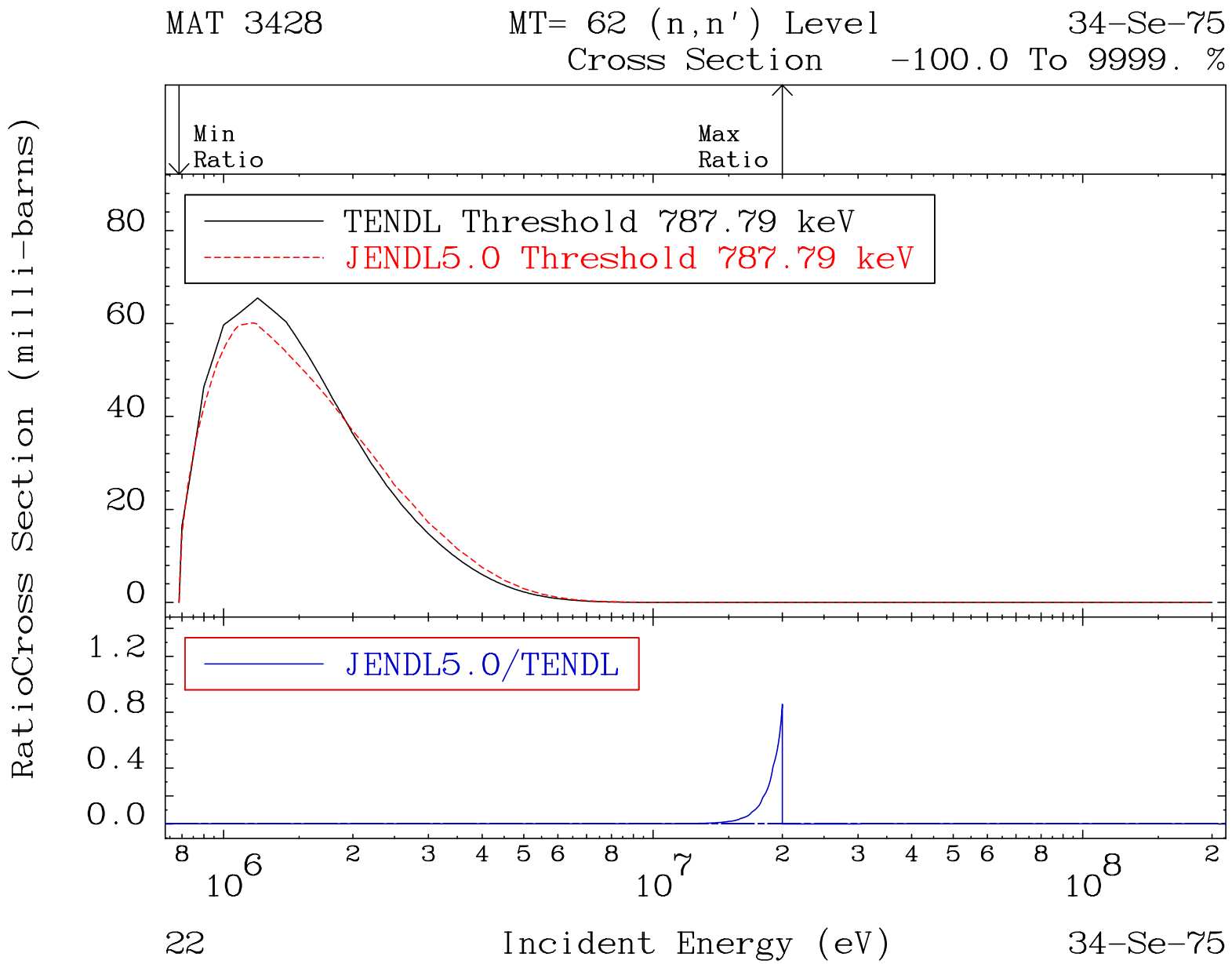

MAT 3428
MT= 57 (n,n') Level
34-Se-75
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 618.94 keV
JENDL5.0 Threshold 618.94 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
4
2
0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
17
Incident Energy (eV)
34-Se-75

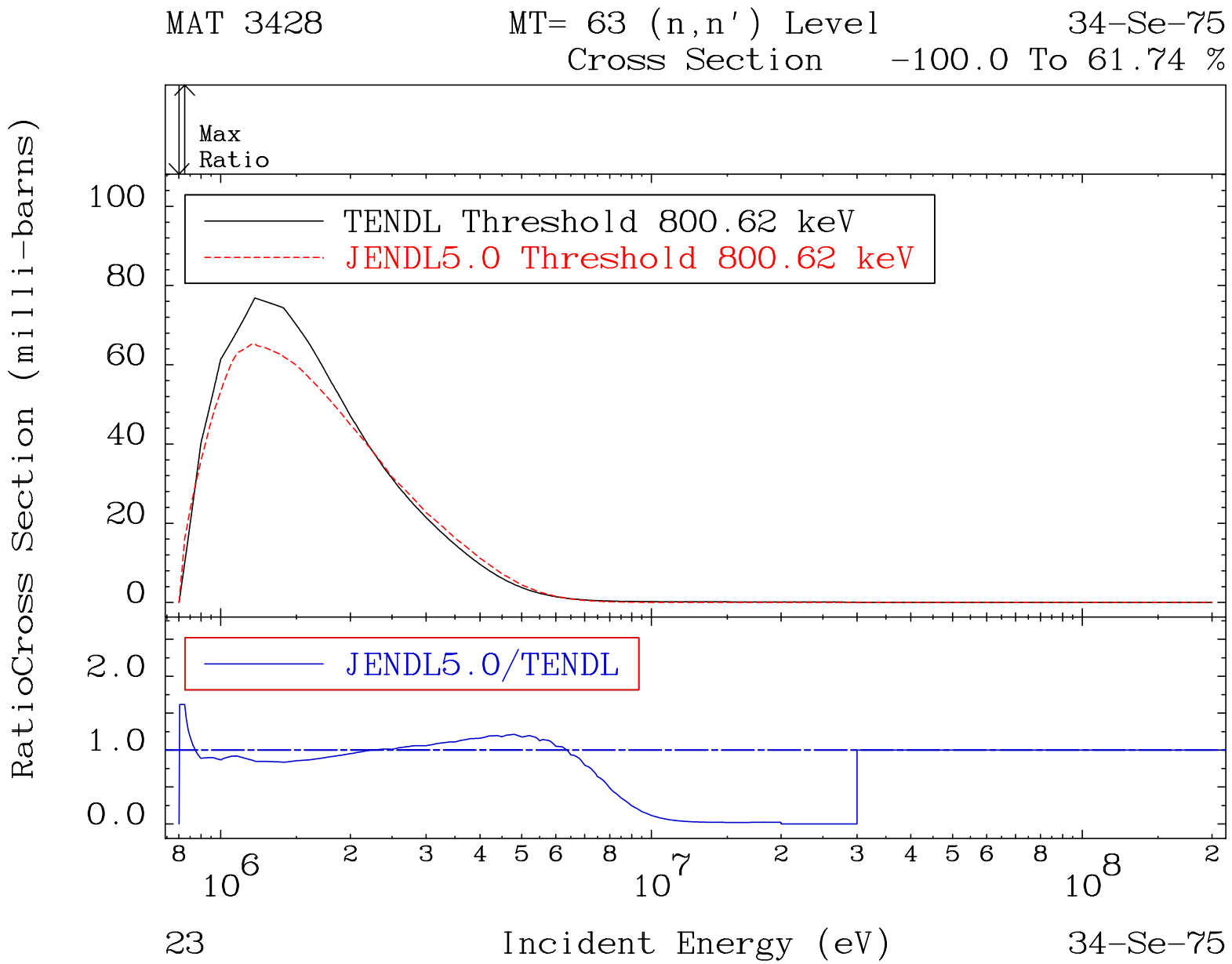

MAT 3428
MT= 58 (n,n') Level
34-Se-75
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 636.89 keV
JENDL5.0 Threshold 636.89 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
1.0
0.0
6 8 10^6 2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
18
Incident Energy (eV)
34-Se-75

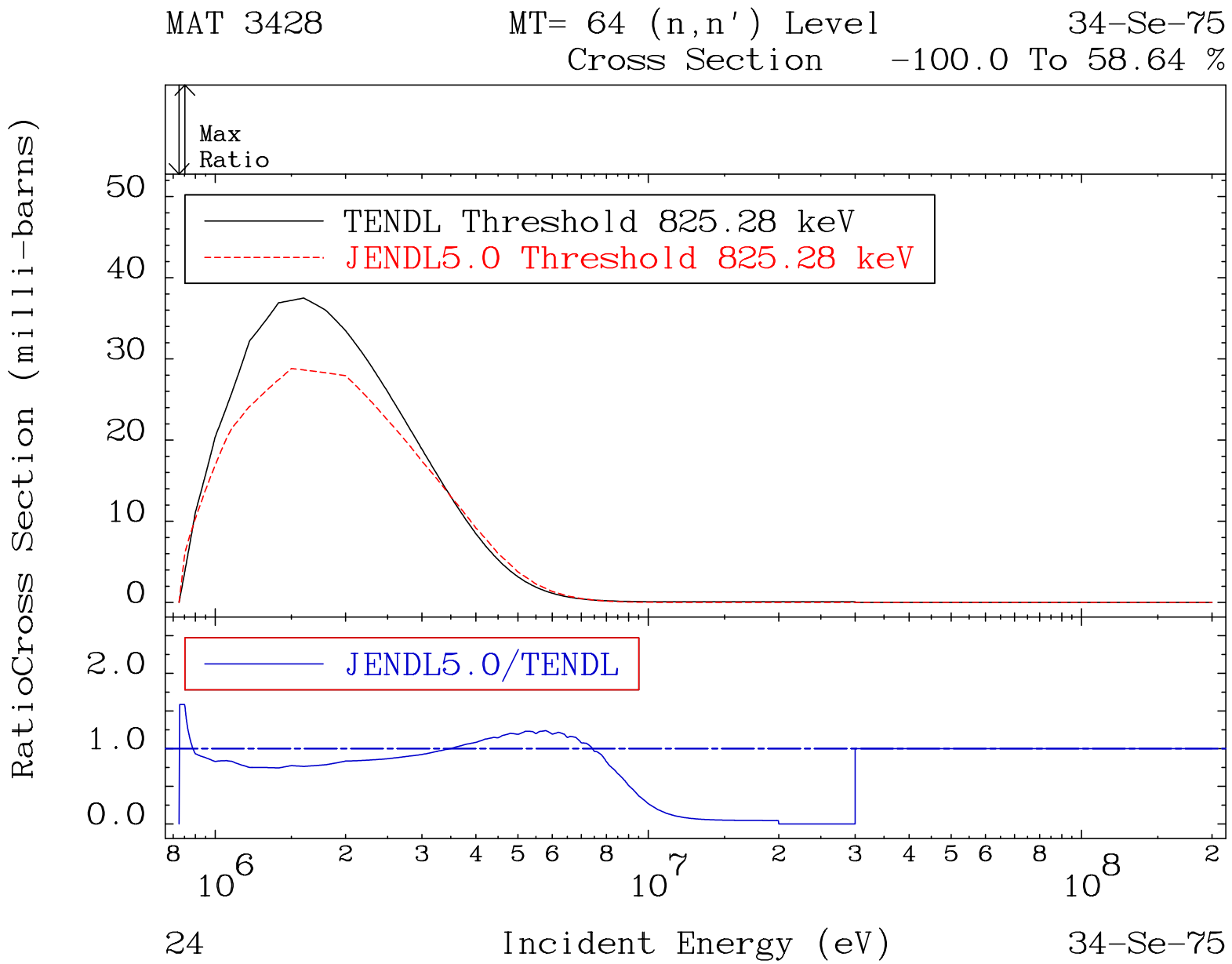

MAT 3428
MT= 59 (n,n') Level
34-Se-75
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 672.90 keV
JENDL5.0 Threshold 672.90 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
4
2
0
8
2
3
4
5
6
8
10^6
10^7
10^8
19
Incident Energy (eV)
34-Se-75

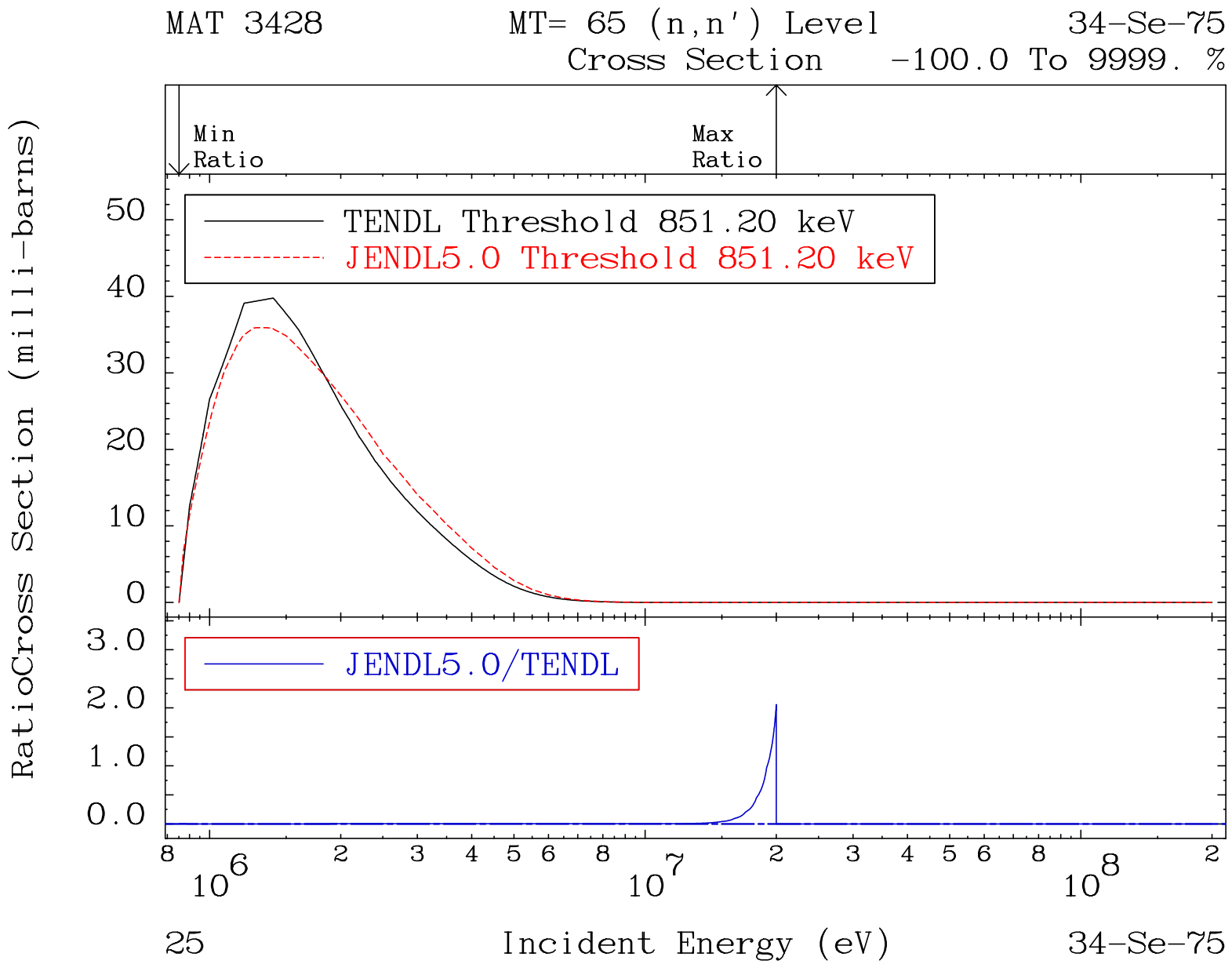

MAT 3428
MT= 60 (n,n') Level
34-Se-75
Cross Section
-100.0 To 53.15 %
Max
Ratio
TENDL Threshold 757.72 keV
JENDL5.0 Threshold 757.72 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
20
Incident Energy (eV)
34-Se-75

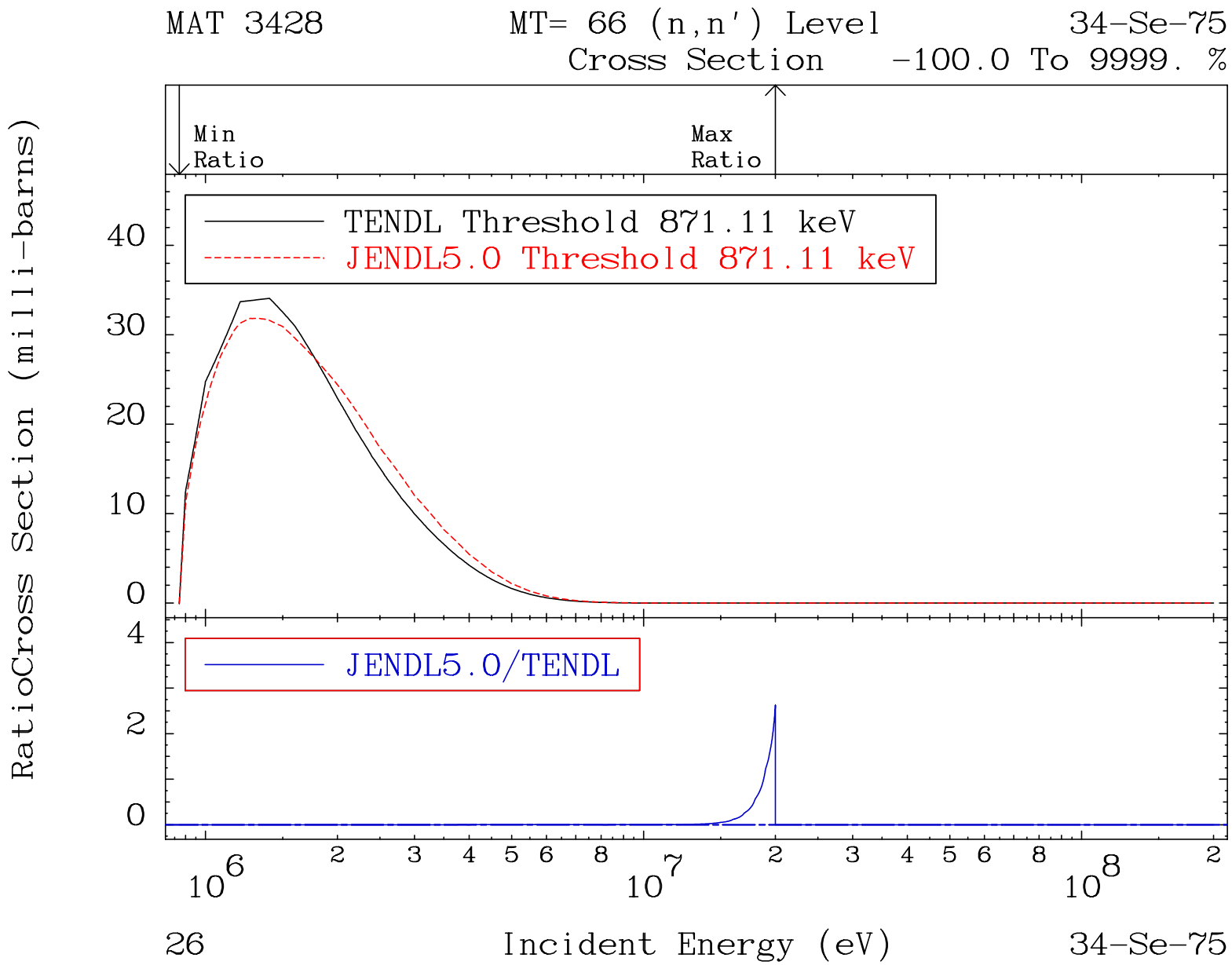

MAT 3428
MT= 61 (n,n') Level
34-Se-75
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 771.39 keV
JENDL5.0 Threshold 771.39 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
1.2
0.8
0.4
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
21
Incident Energy (eV)
34-Se-75

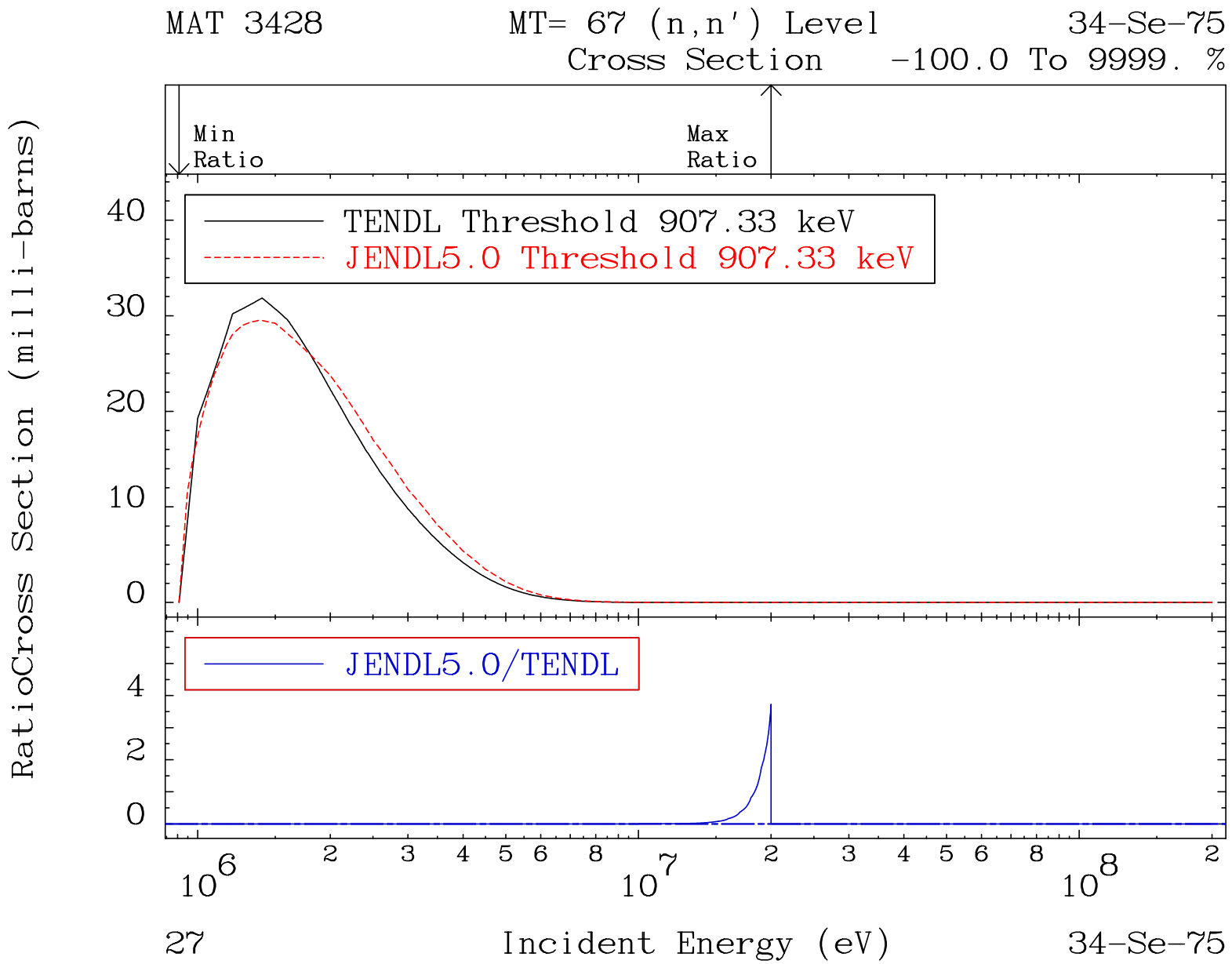

MAT 3428
MT= 62 (n,n') Level
34-Se-75
Cross Section
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 787.79 keV
JENDL5.0 Threshold 787.79 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.8
0.4
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
22
Incident Energy (eV)
34-Se-75

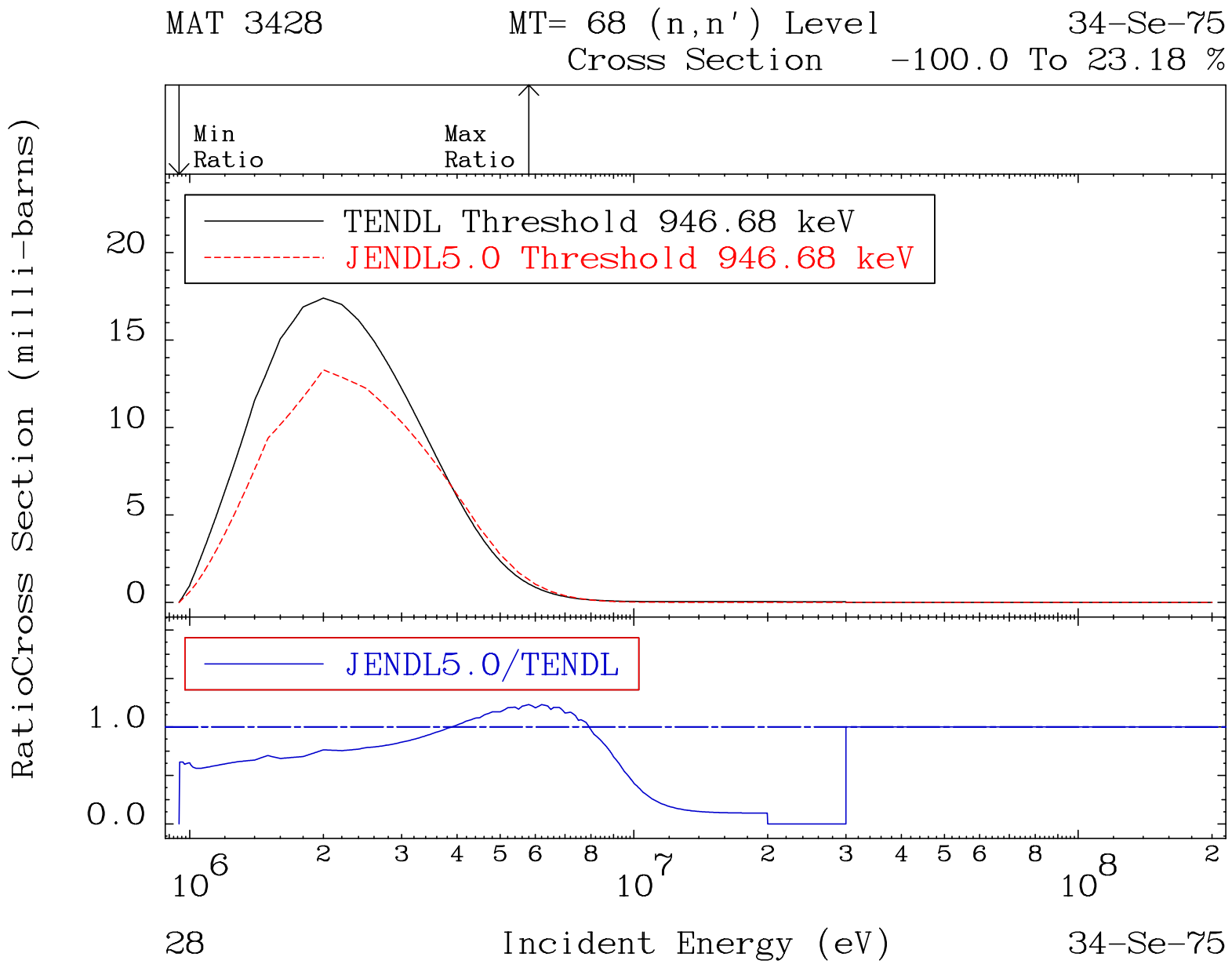

MAT 3428
MT= 63 (n,n') Level
34-Se-75
Cross Section
-100.0 To 61.74 %
Max
Ratio
TENDL Threshold 800.62 keV
JENDL5.0 Threshold 800.62 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
23
Incident Energy (eV)
34-Se-75

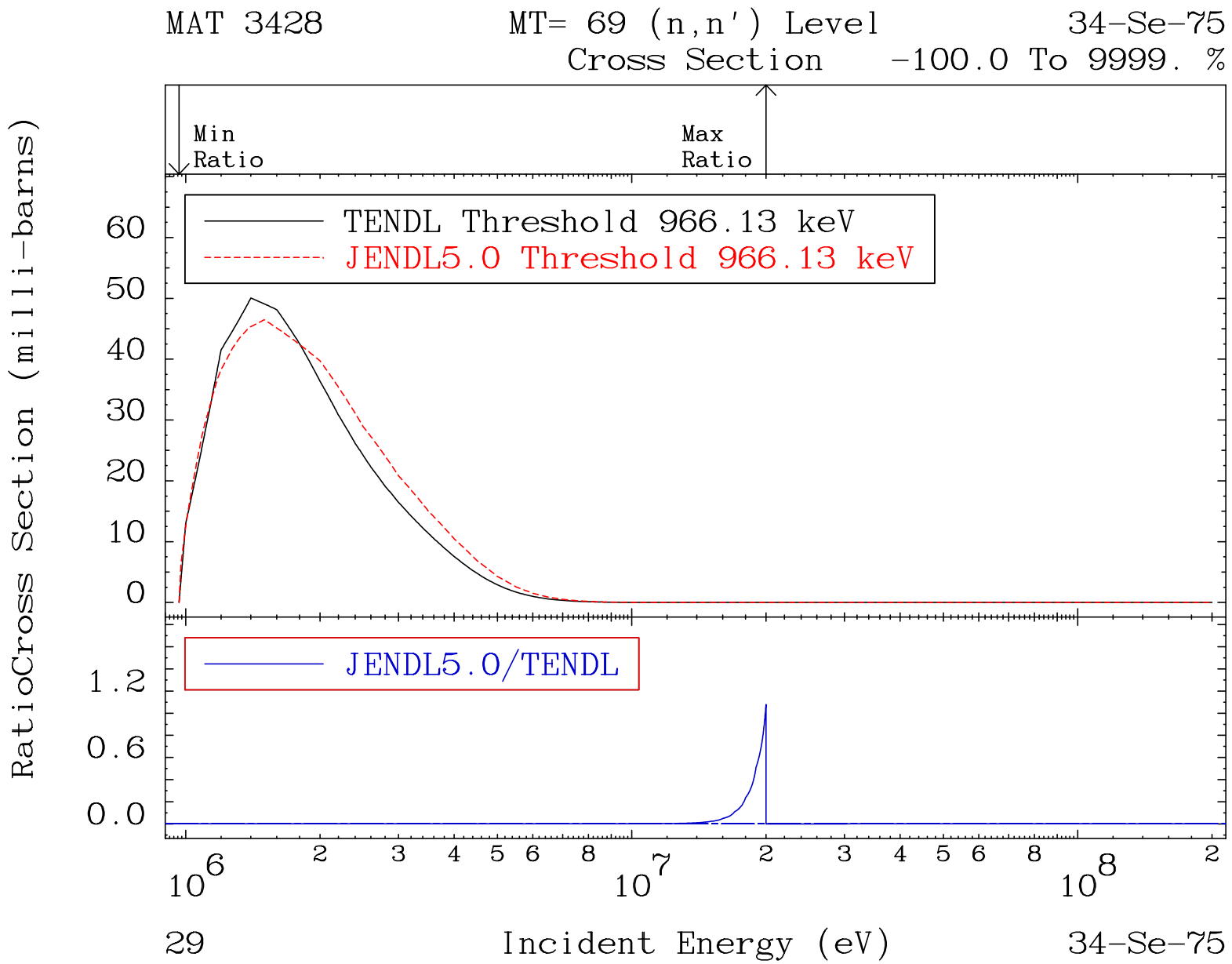

MAT 3428
MT= 64 (n,n') Level
34-Se-75
Cross Section
-100.0 To 58.64 %
Max
Ratio
TENDL Threshold 825.28 keV
JENDL5.0 Threshold 825.28 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2.0
1.0
0.0
8
2
3
4
5
6
8
10^6
10^7
10^8
24
Incident Energy (eV)
34-Se-75

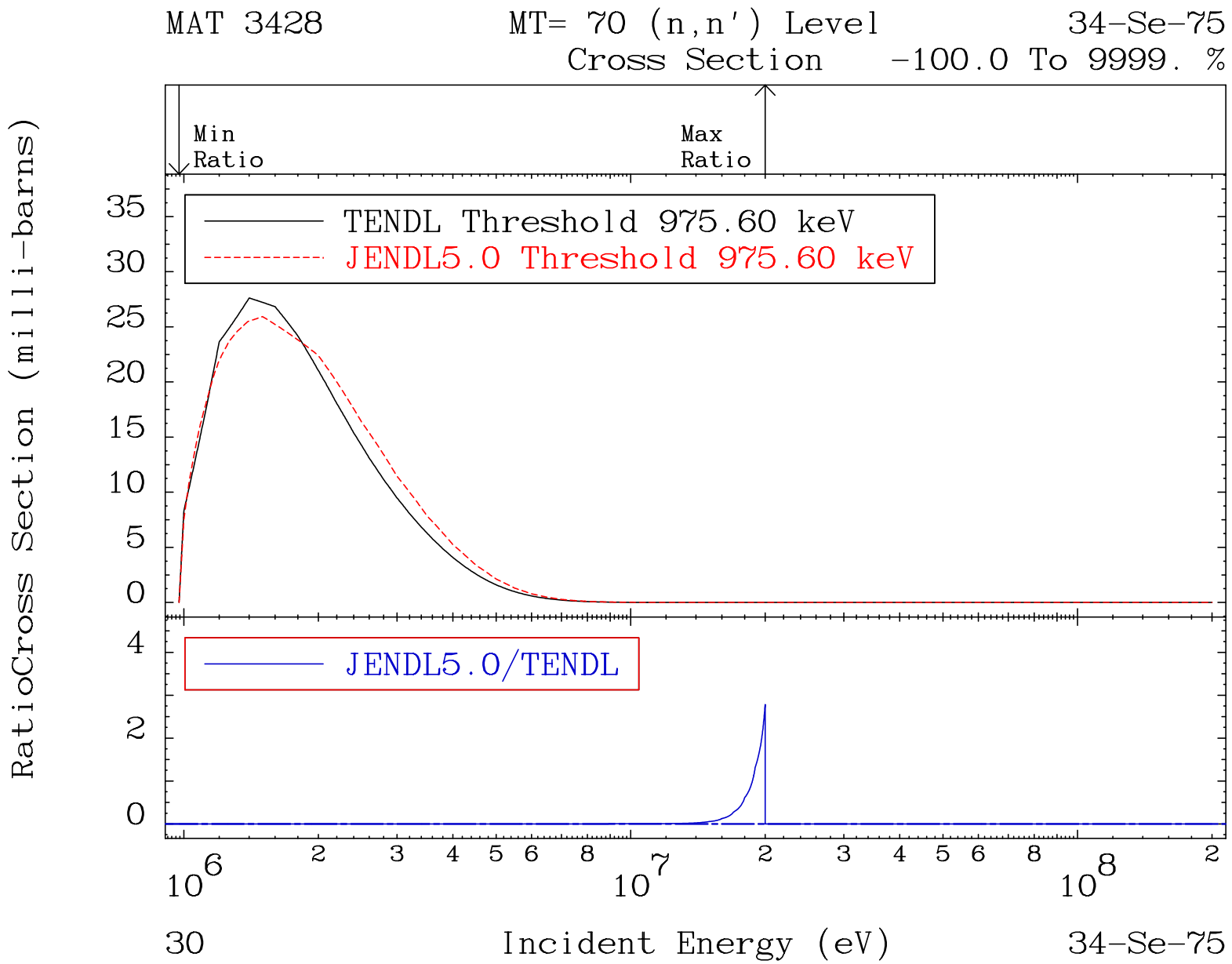

MAT 3428
MT= 65 (n,n') Level
34-Se-75
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 851.20 keV
JENDL5.0 Threshold 851.20 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
3.0
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
25
Incident Energy (eV)
34-Se-75

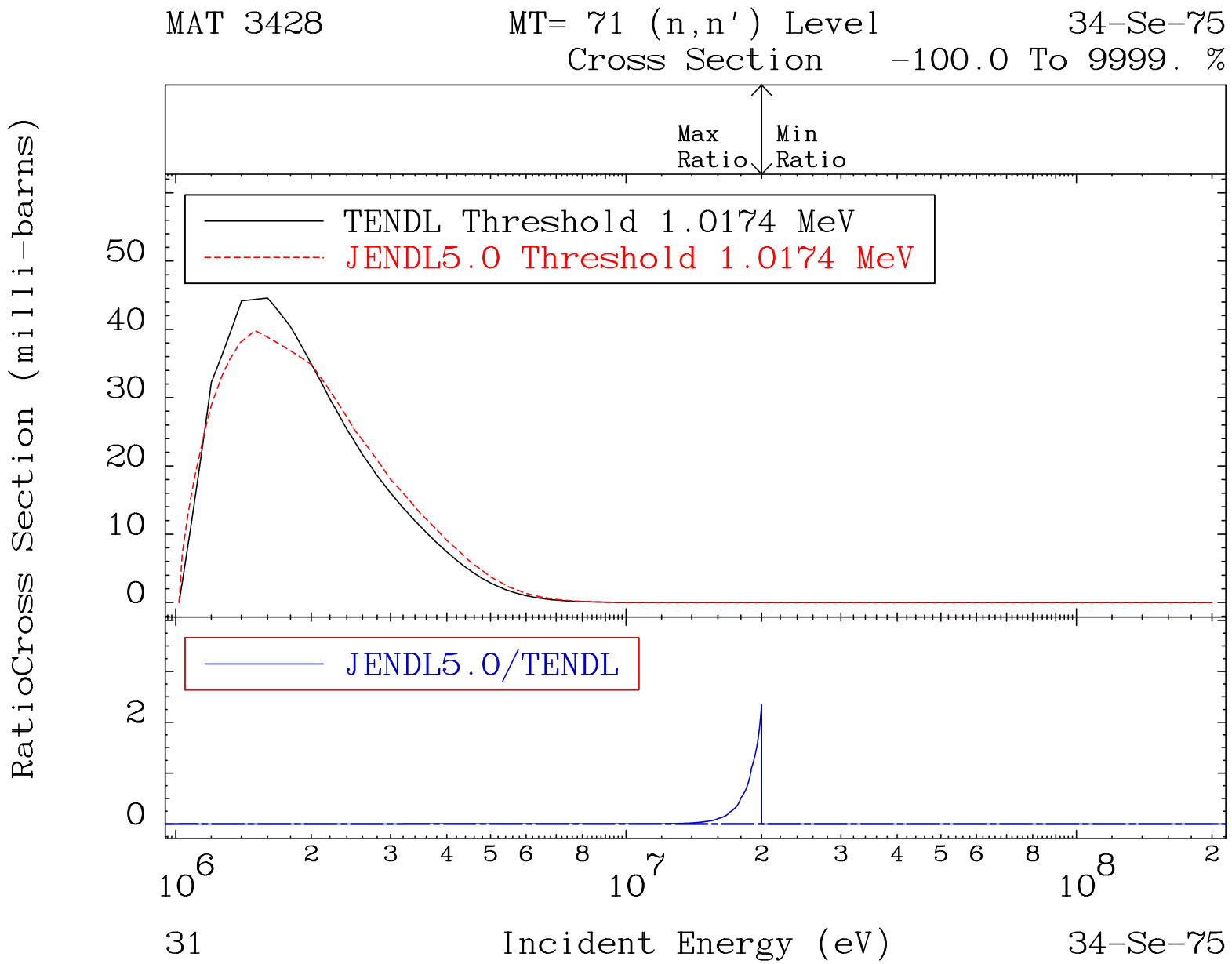

MAT 3428
MT= 66 (n,n') Level
34-Se-75
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 871.11 keV
JENDL5.0 Threshold 871.11 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
4
2
0
10^6
10^7
10^8
2 3 4 5 6 8
26
Incident Energy (eV)
34-Se-75

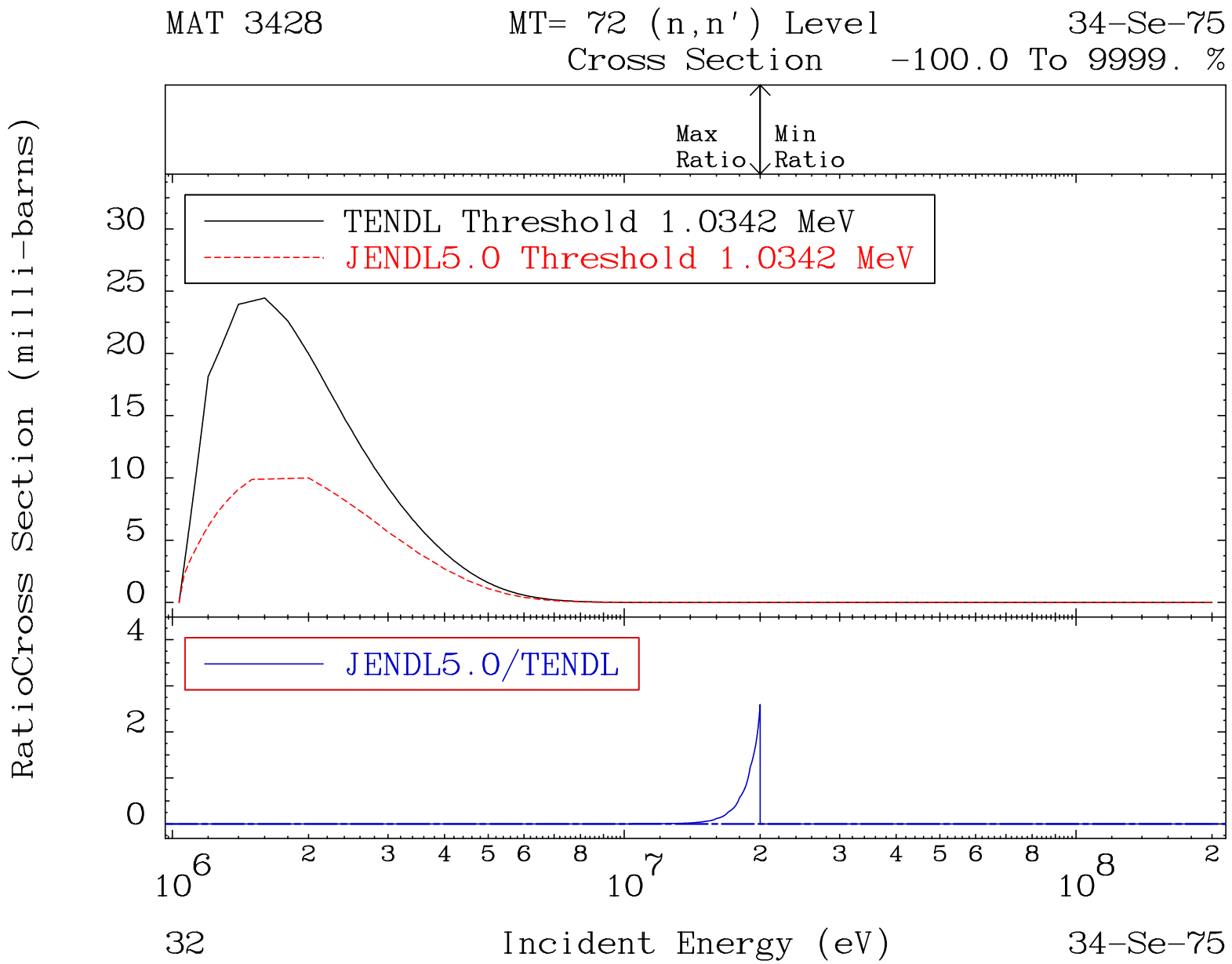

MAT 3428
MT= 67 (n,n') Level
34-Se-75
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 907.33 keV
JENDL5.0 Threshold 907.33 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
27
34-Se-75

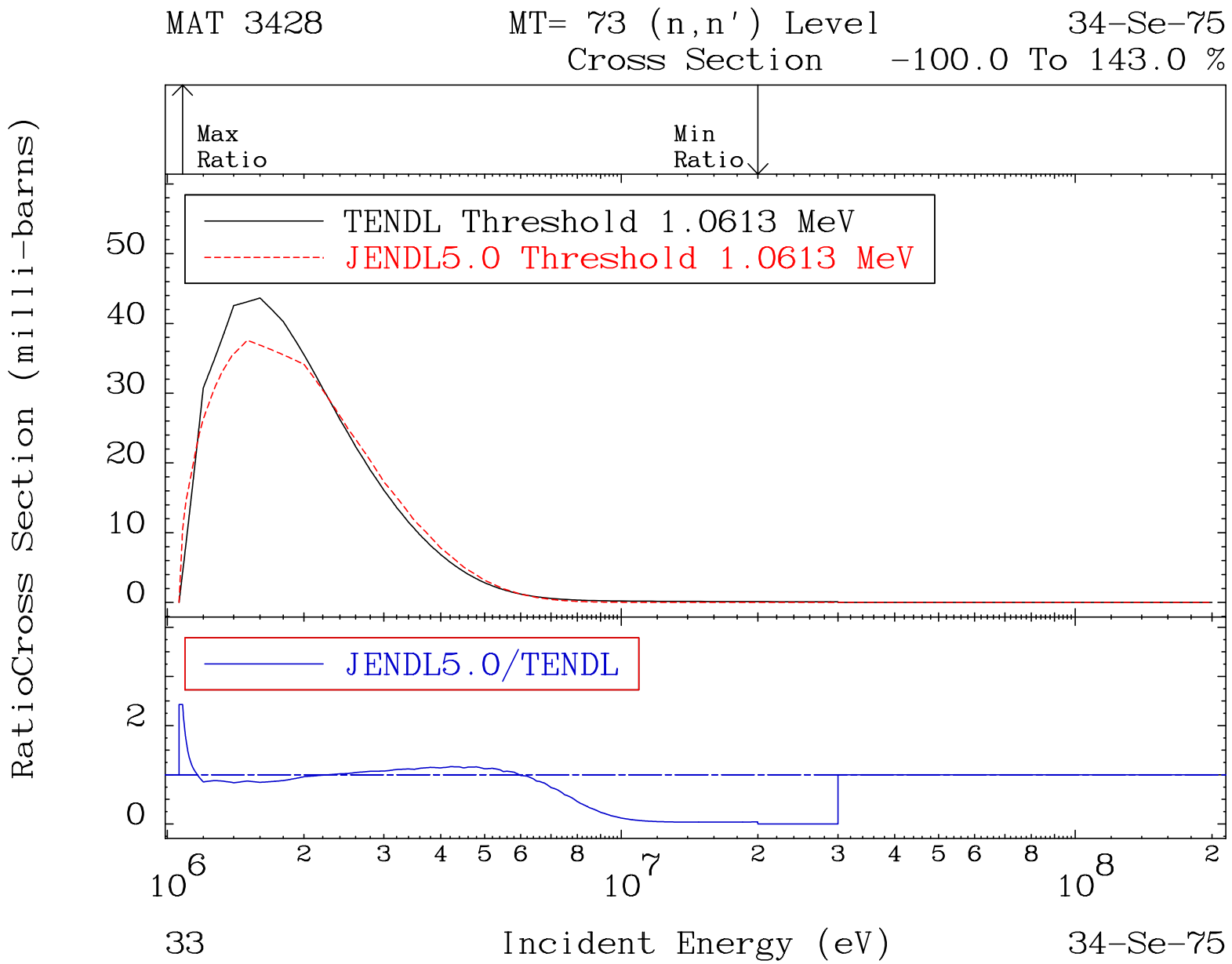

MAT 3428
MT= 68 (n,n') Level
34-Se-75
Cross Section
-100.0 To 23.18 %
Min Ratio
Max Ratio
TENDL Threshold 946.68 keV
JENDL5.0 Threshold 946.68 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
20
15
10
5
0
1.0
0.0
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
28
Incident Energy (eV)
34-Se-75

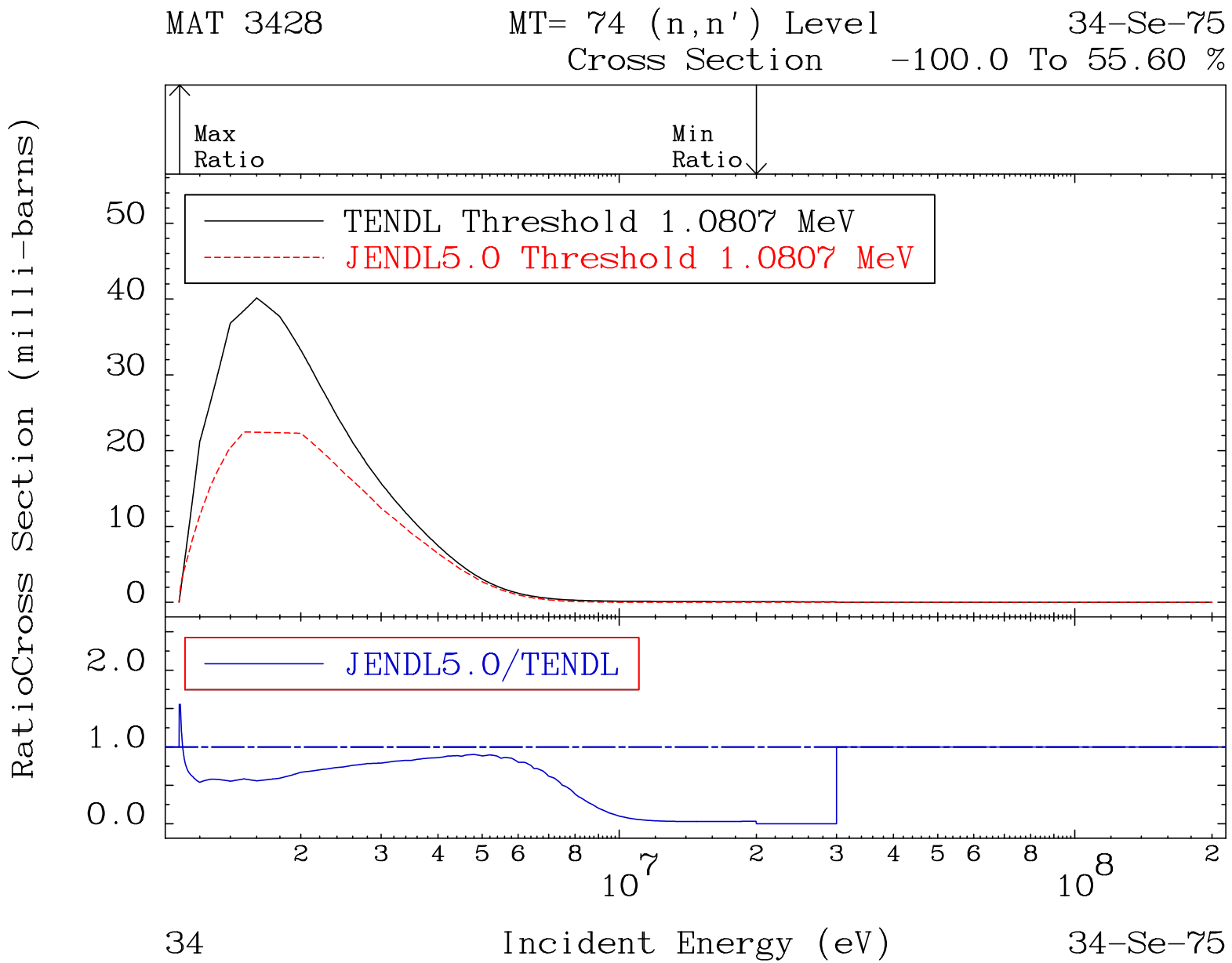

MAT 3428
MT= 69 (n,n') Level
34-Se-75
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 966.13 keV
JENDL5.0 Threshold 966.13 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
60
50
40
30
20
10
0
1.2
0.6
0.0
10^6
10^7
10^8
Incident Energy (eV)
29
34-Se-75

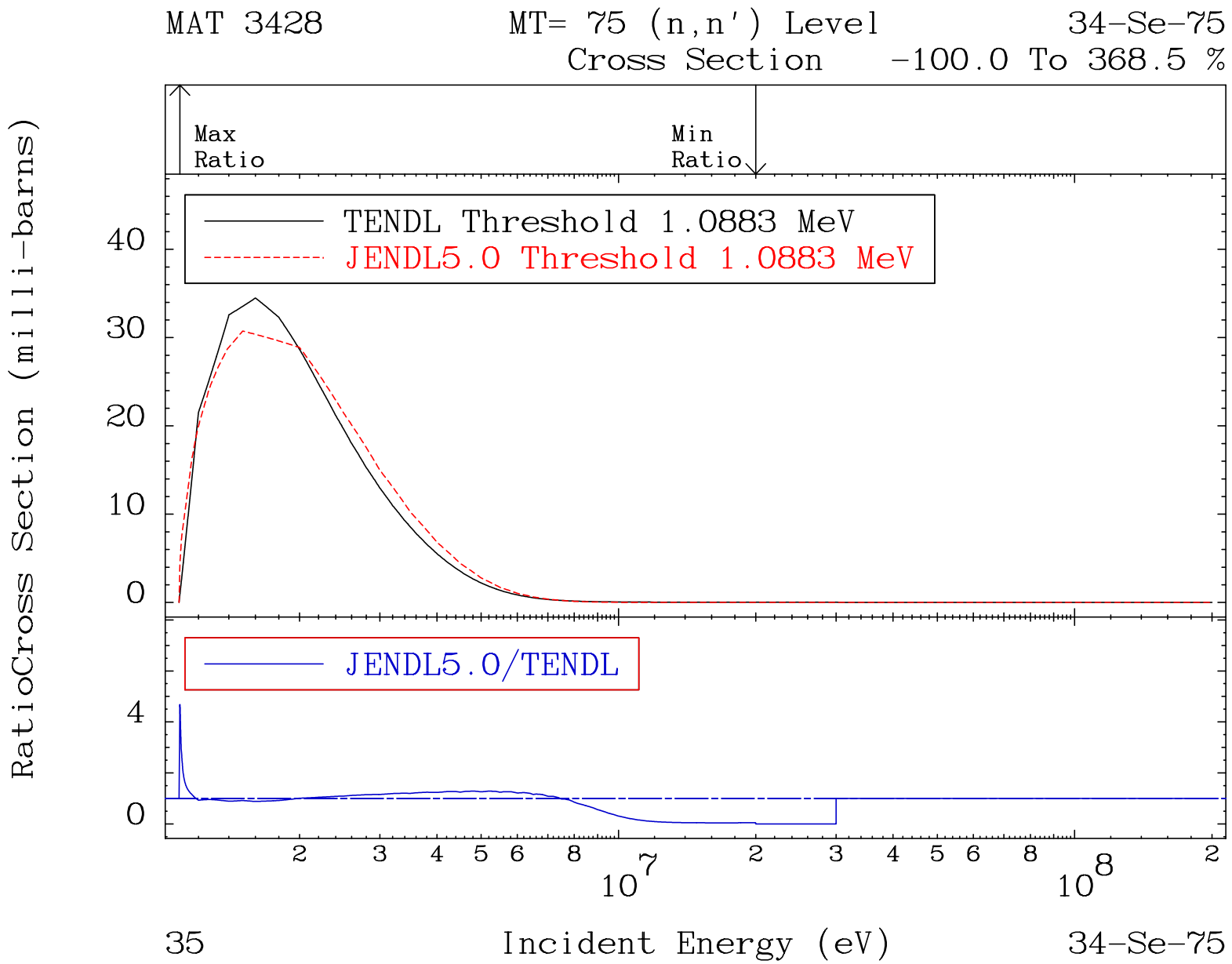

MAT 3428
MT= 70 (n,n') Level
34-Se-75
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 975.60 keV
JENDL5.0 Threshold 975.60 keV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
30
34-Se-75

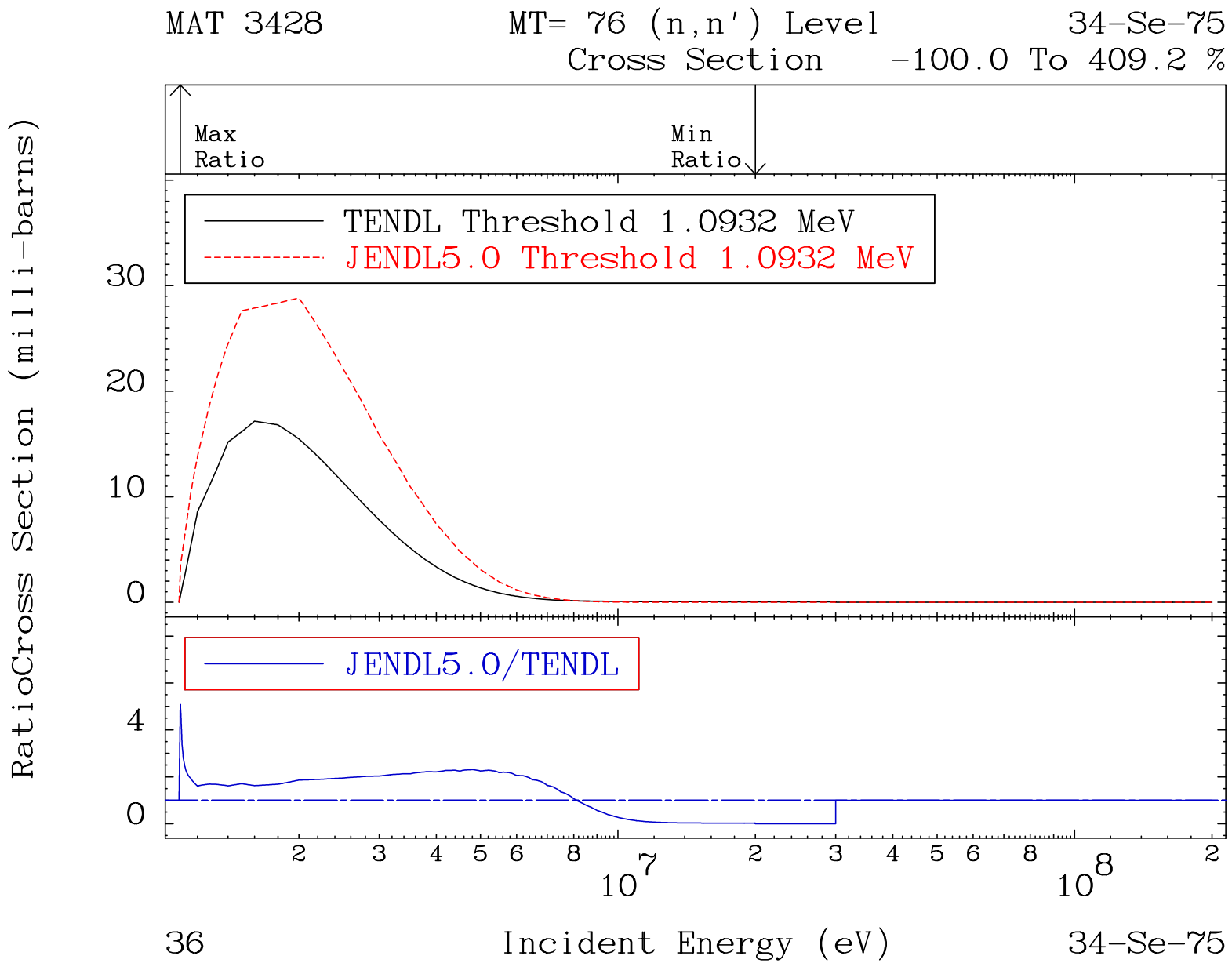

MAT 3428
MT= 71 (n,n') Level
34-Se-75
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.0174 MeV
JENDL5.0 Threshold 1.0174 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2
0
10^6
10^7
10^8
31
Incident Energy (eV)
34-Se-75

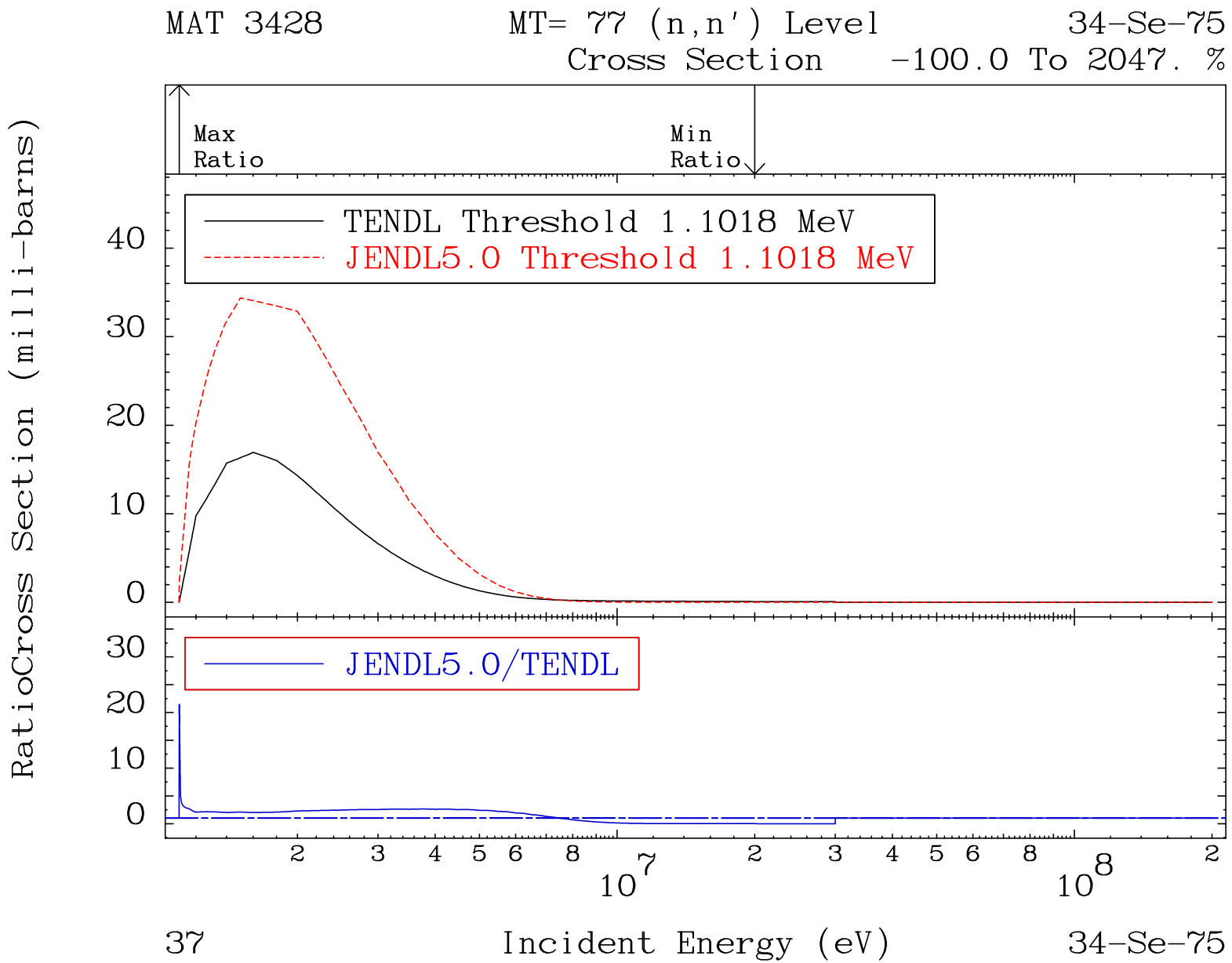

MAT 3428
MT= 72 (n,n') Level
34-Se-75
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.0342 MeV
JENDL5.0 Threshold 1.0342 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
32
34-Se-75

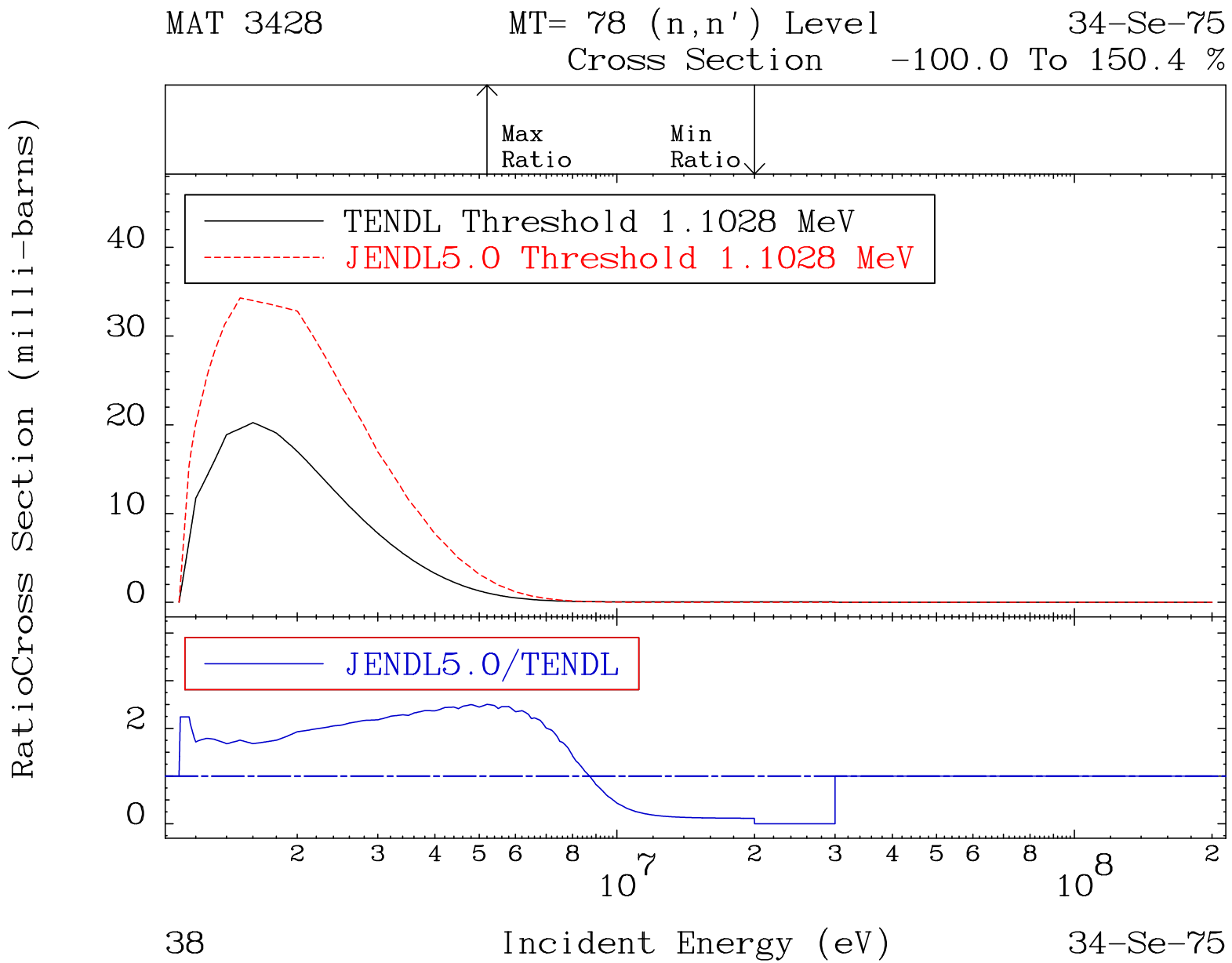

MAT 3428
MT= 73 (n,n') Level
34-Se-75
Cross Section
-100.0 To 143.0 %
Max Ratio
Min Ratio
TENDL Threshold 1.0613 MeV
JENDL5.0 Threshold 1.0613 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2
0
10^6
10^7
10^8
Incident Energy (eV)
33
34-Se-75

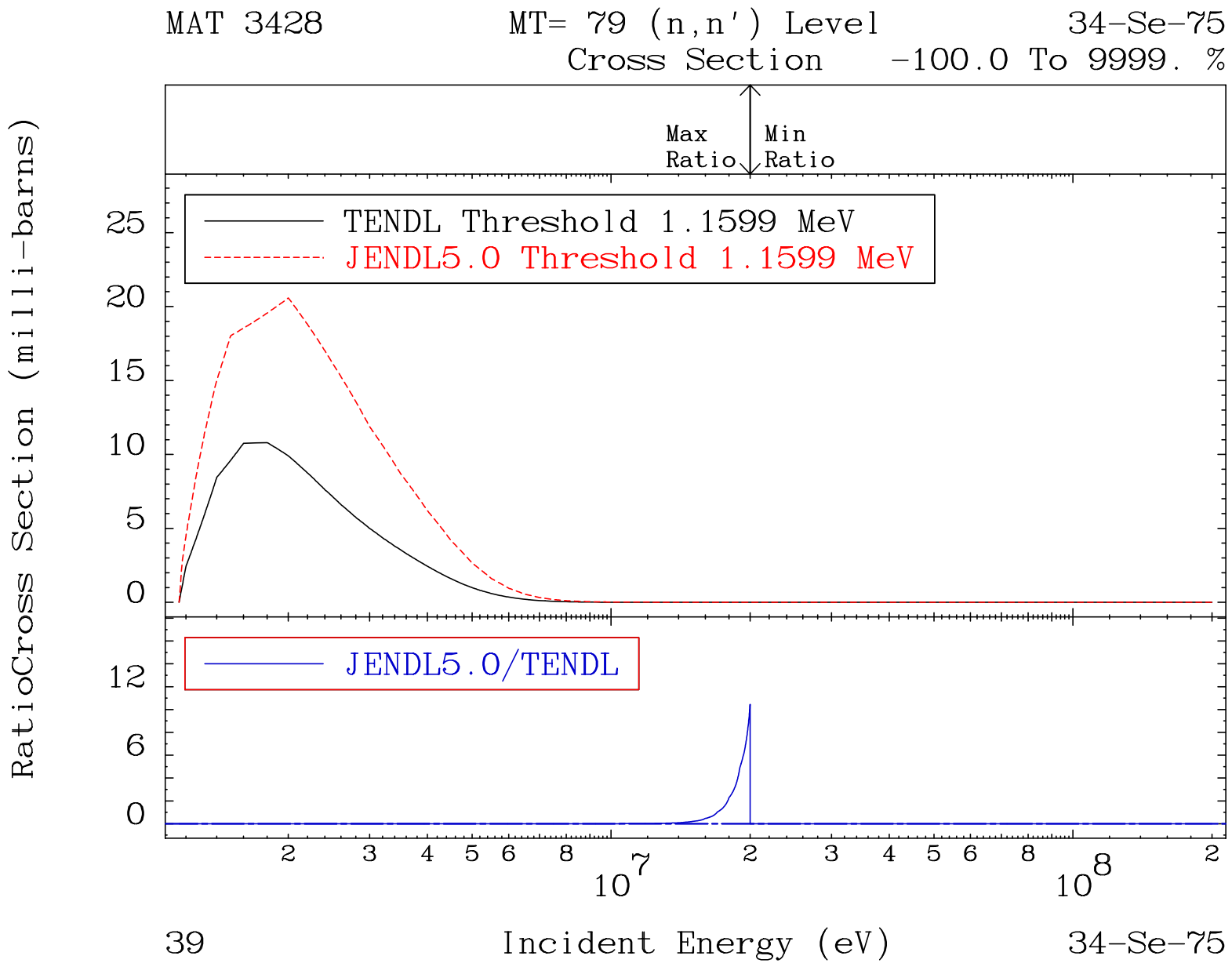

MAT 3428
MT= 74 (n,n') Level
34-Se-75
Cross Section
-100.0 To 55.60 %
Max Ratio
Min Ratio
TENDL Threshold 1.0807 MeV
JENDL5.0 Threshold 1.0807 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
50
40
30
20
10
0
2.0
1.0
0.0
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
34
Incident Energy (eV)
34-Se-75

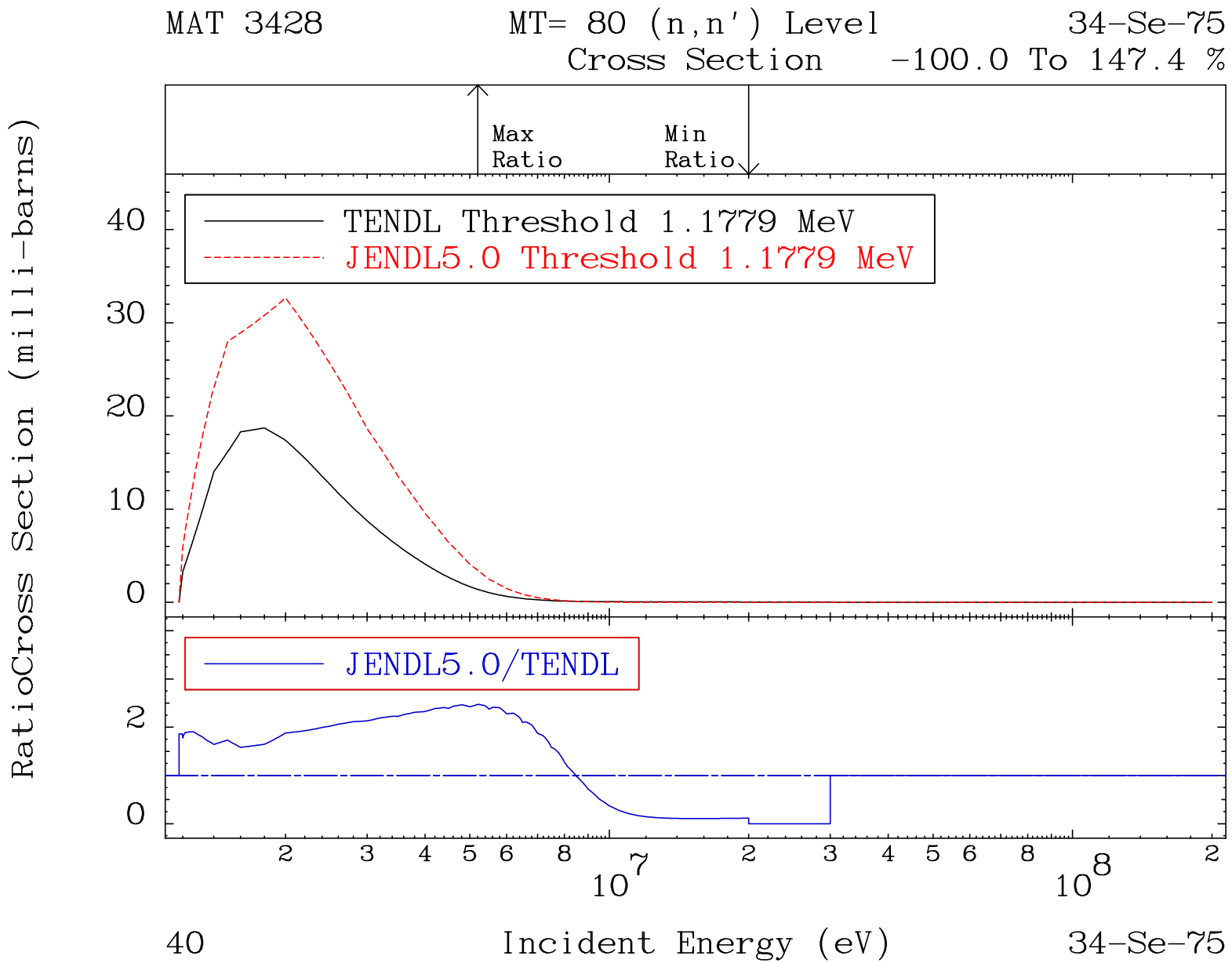

MAT 3428
MT= 75 (n,n') Level
34-Se-75
Cross Section
-100.0 To 368.5 %
Max Ratio
Min Ratio
TENDL Threshold 1.0883 MeV
JENDL5.0 Threshold 1.0883 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
4
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
35
Incident Energy (eV)
34-Se-75

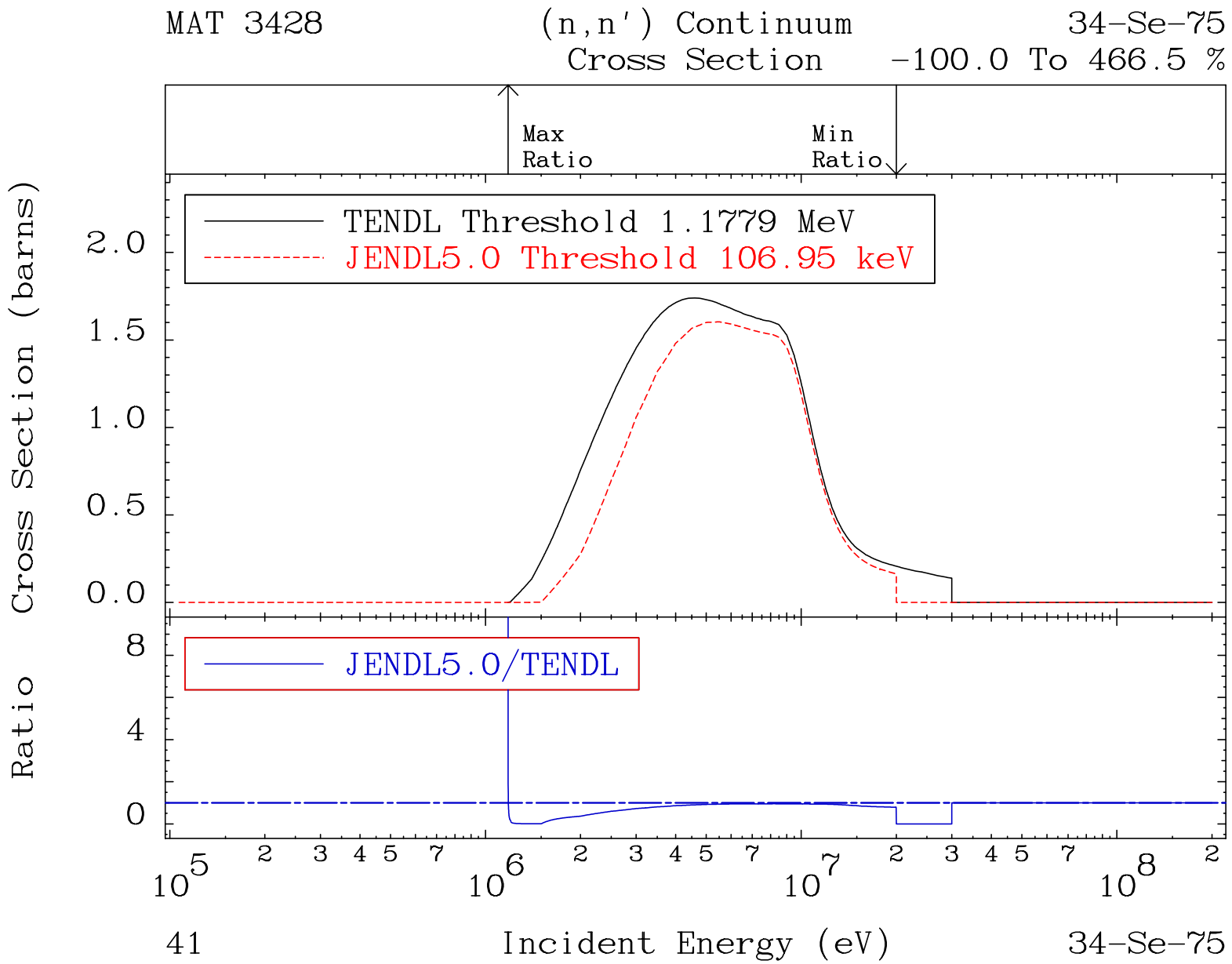

MAT 3428
MT= 76 (n,n') Level
34-Se-75
Cross Section -100.0 To 409.2 %
Max Ratio
Min Ratio
TENDL Threshold 1.0932 MeV
JENDL5.0 Threshold 1.0932 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
30
20
10
0
4
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
36
Incident Energy (eV)
34-Se-75

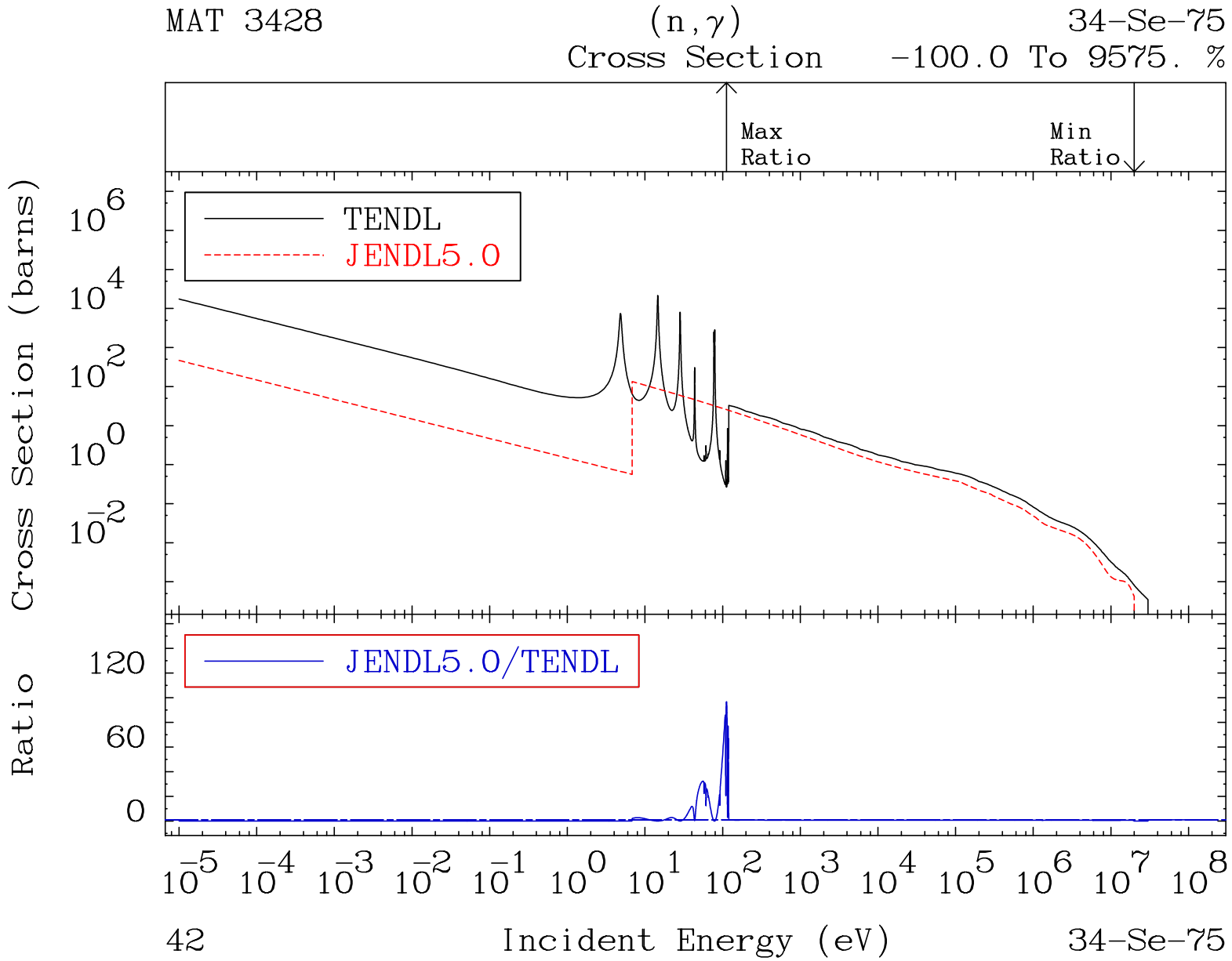

MAT 3428
MT= 77 (n,n') Level
34-Se-75
Cross Section -100.0 To 2047. %
Max Ratio
Min Ratio
TENDL Threshold 1.1018 MeV
JENDL5.0 Threshold 1.1018 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
30
20
10
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
37
Incident Energy (eV)
34-Se-75

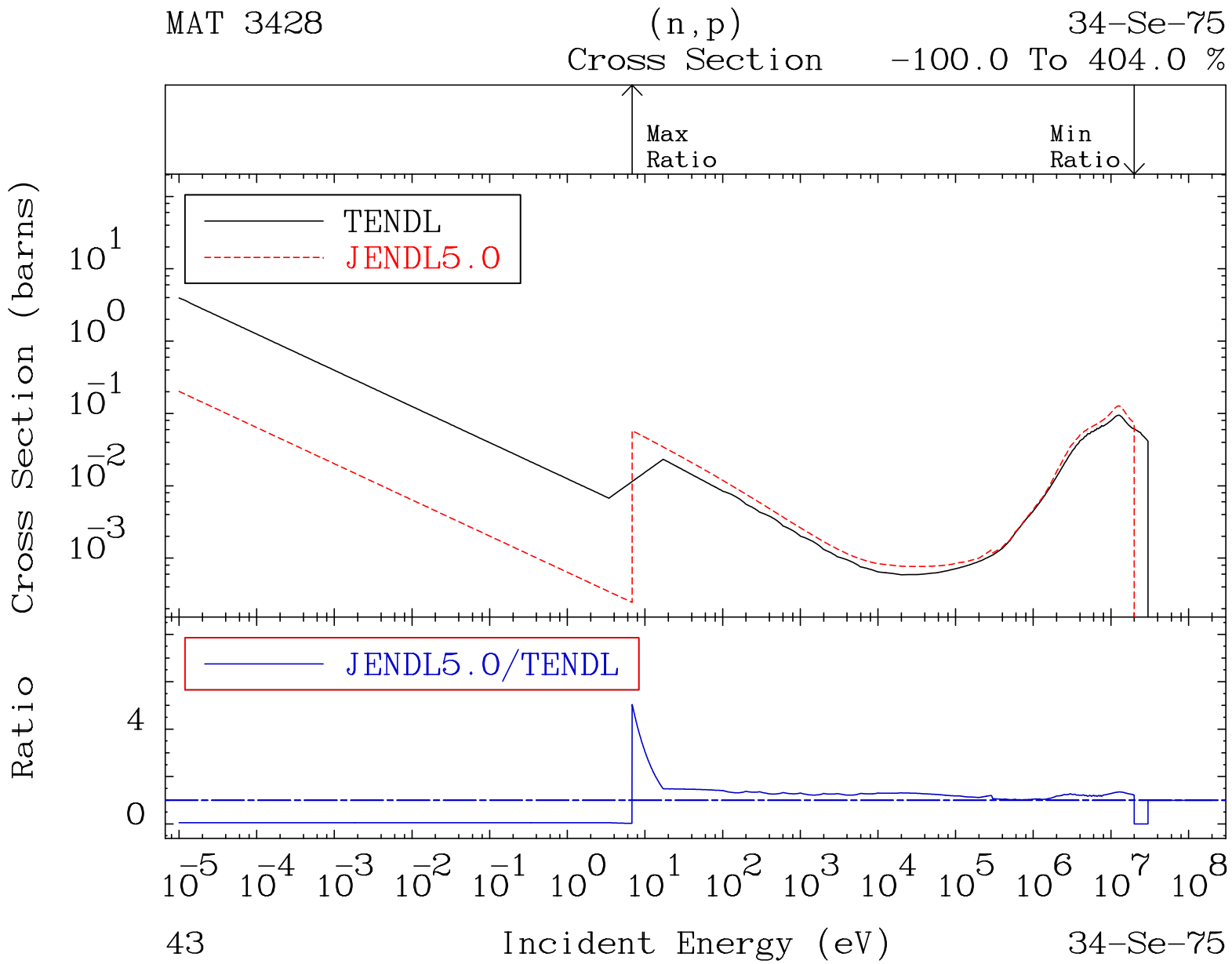

MAT 3428
MT= 78 (n,n') Level
34-Se-75
Cross Section
-100.0 To 150.4 %
Max Ratio
Min Ratio
TENDL Threshold 1.1028 MeV
JENDL5.0 Threshold 1.1028 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
38
Incident Energy (eV)
34-Se-75

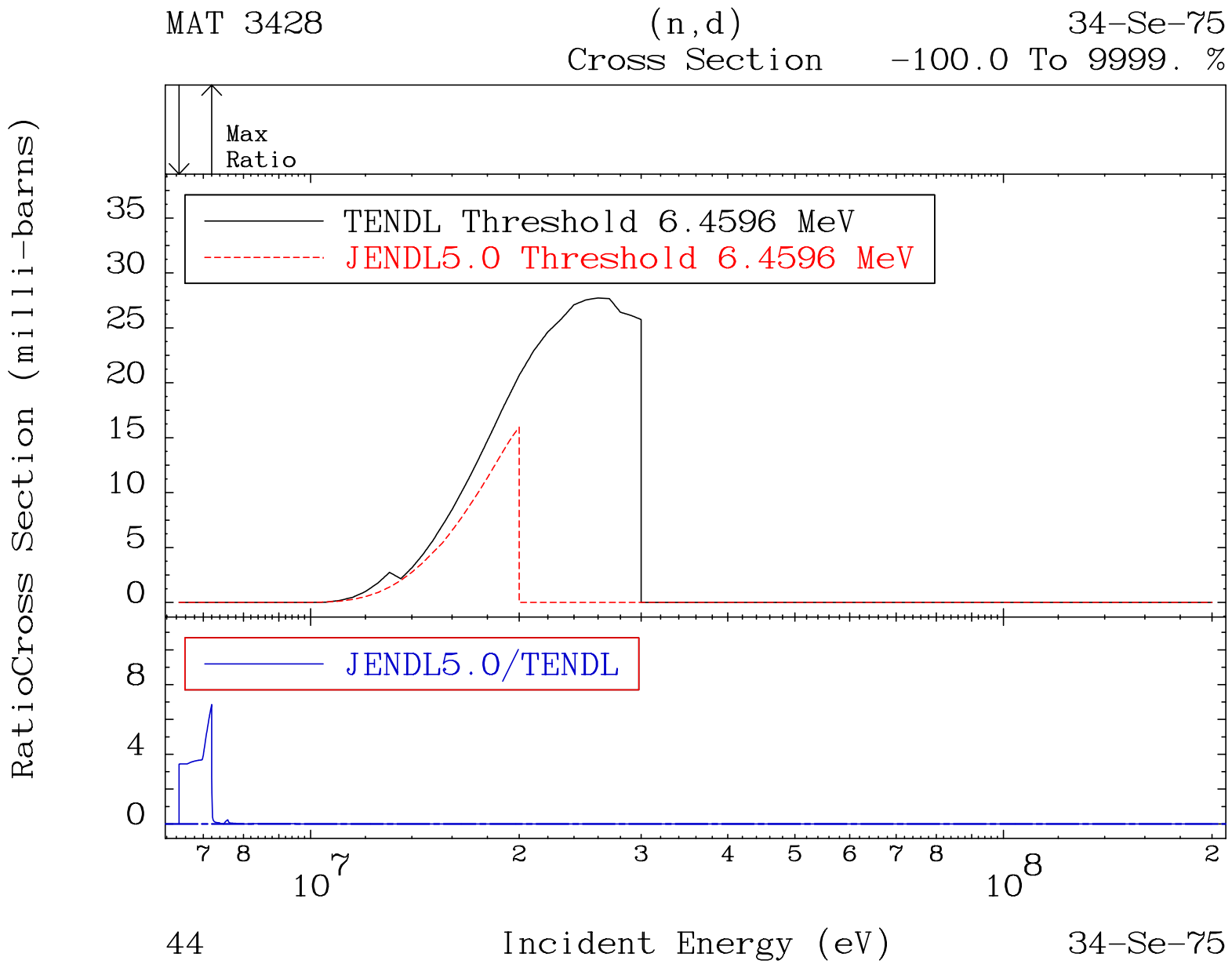

MAT 3428
MT= 79 (n,n') Level
34-Se-75
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 1.1599 MeV
JENDL5.0 Threshold 1.1599 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
12
6
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
39
Incident Energy (eV)
34-Se-75

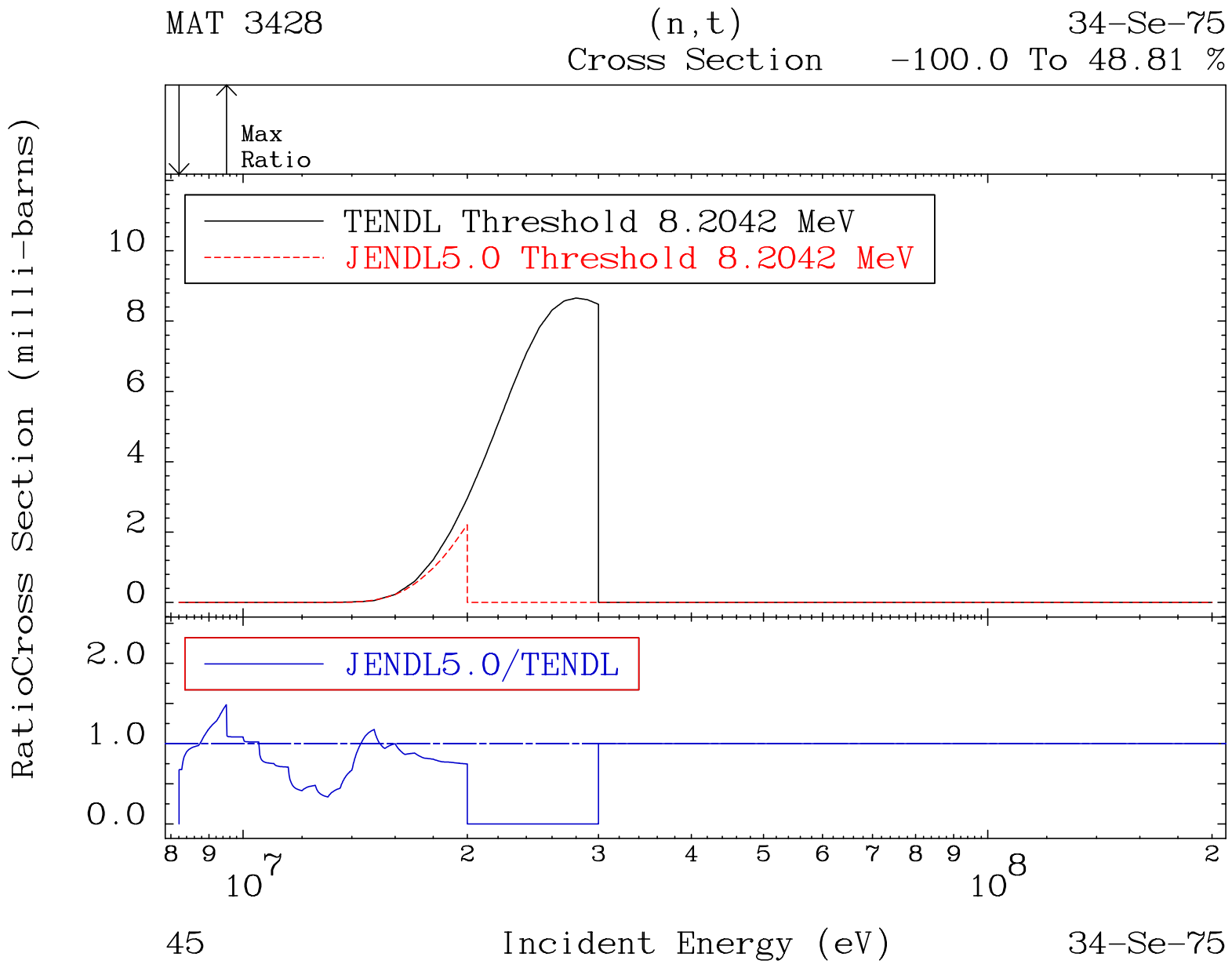

MAT 3428
MT= 80 (n,n') Level
34-Se-75
Cross Section
-100.0 To 147.4 %
Max Ratio
Min Ratio
TENDL Threshold 1.1779 MeV
JENDL5.0 Threshold 1.1779 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
40
30
20
10
0
2
0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
40
Incident Energy (eV)
34-Se-75

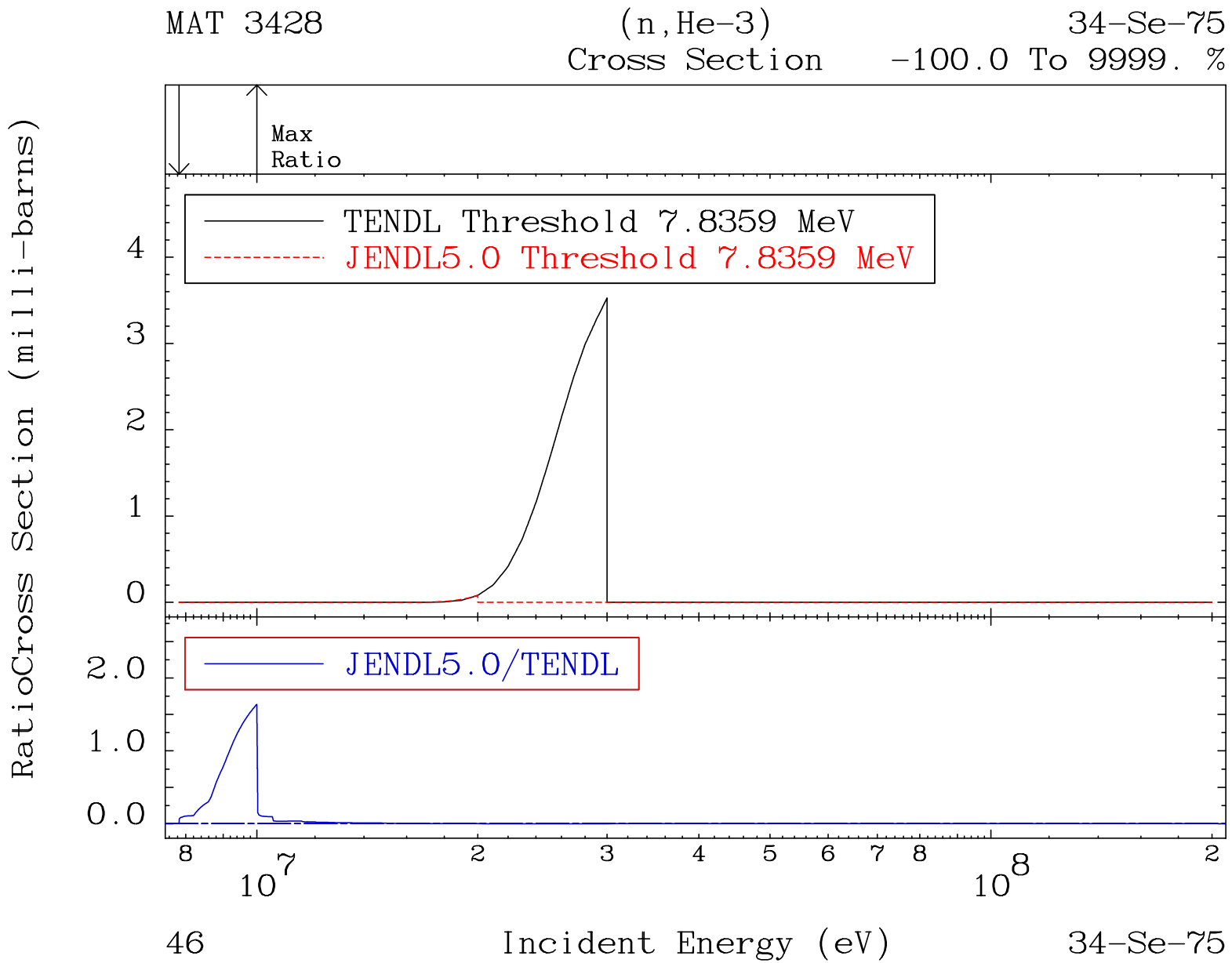

MAT 3428
(n,n') Continuum
Cross Section
34-Se-75
-100.0 To 466.5 %
Max Ratio
Min Ratio
TENDL Threshold 1.1779 MeV
JENDL5.0 Threshold 106.95 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
8
4
0
10^5
10^6
10^7
10^8
2 3 4 5 7
41
Incident Energy (eV)
34-Se-75

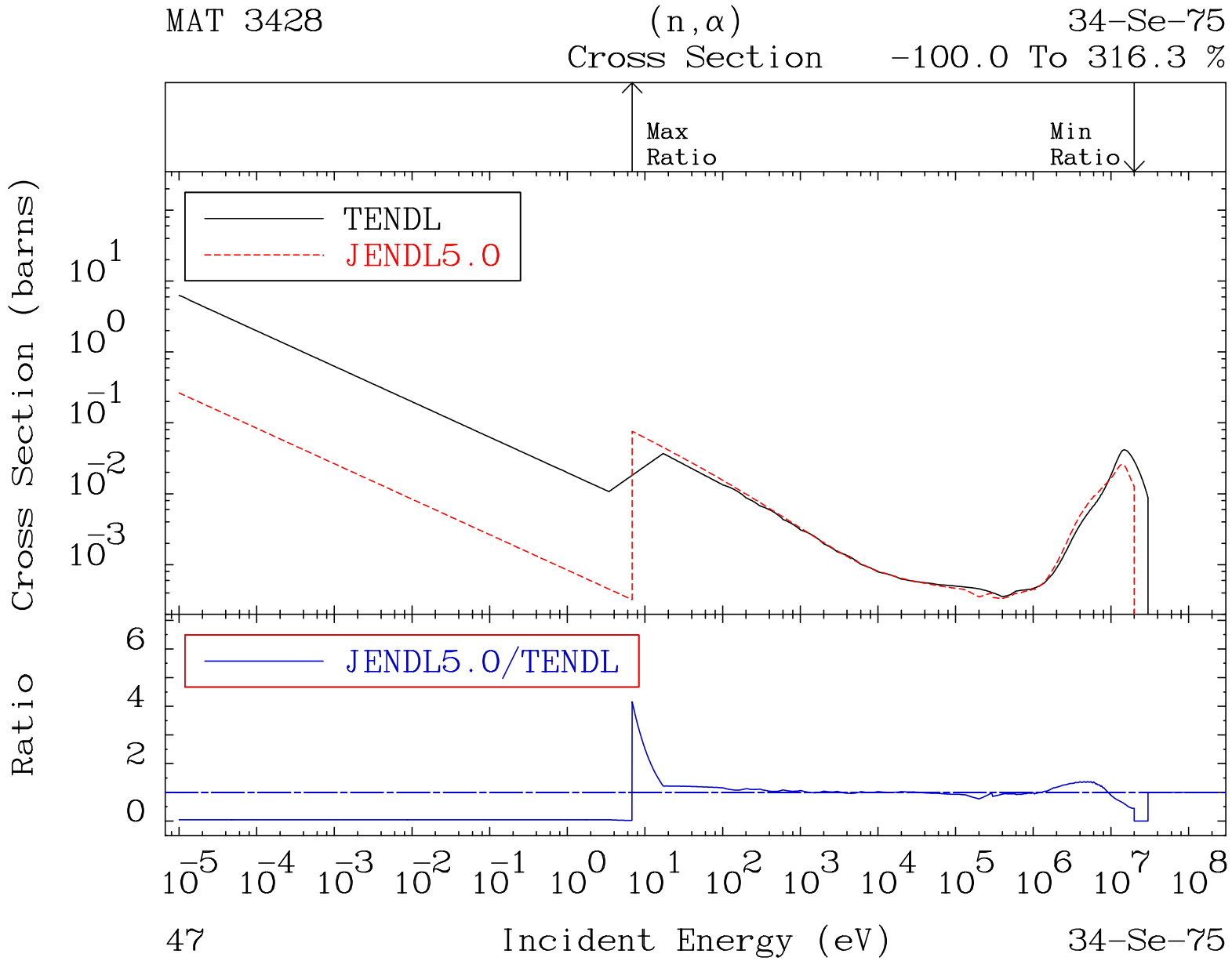

MAT 3428
(n,γ)
Cross Section
34-Se-75
-100.0 To 9575. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^6
10^4
10^2
10^0
10^-2
JENDL5.0/TENDL
Ratio
120
60
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
42
Incident Energy (eV)
34-Se-75

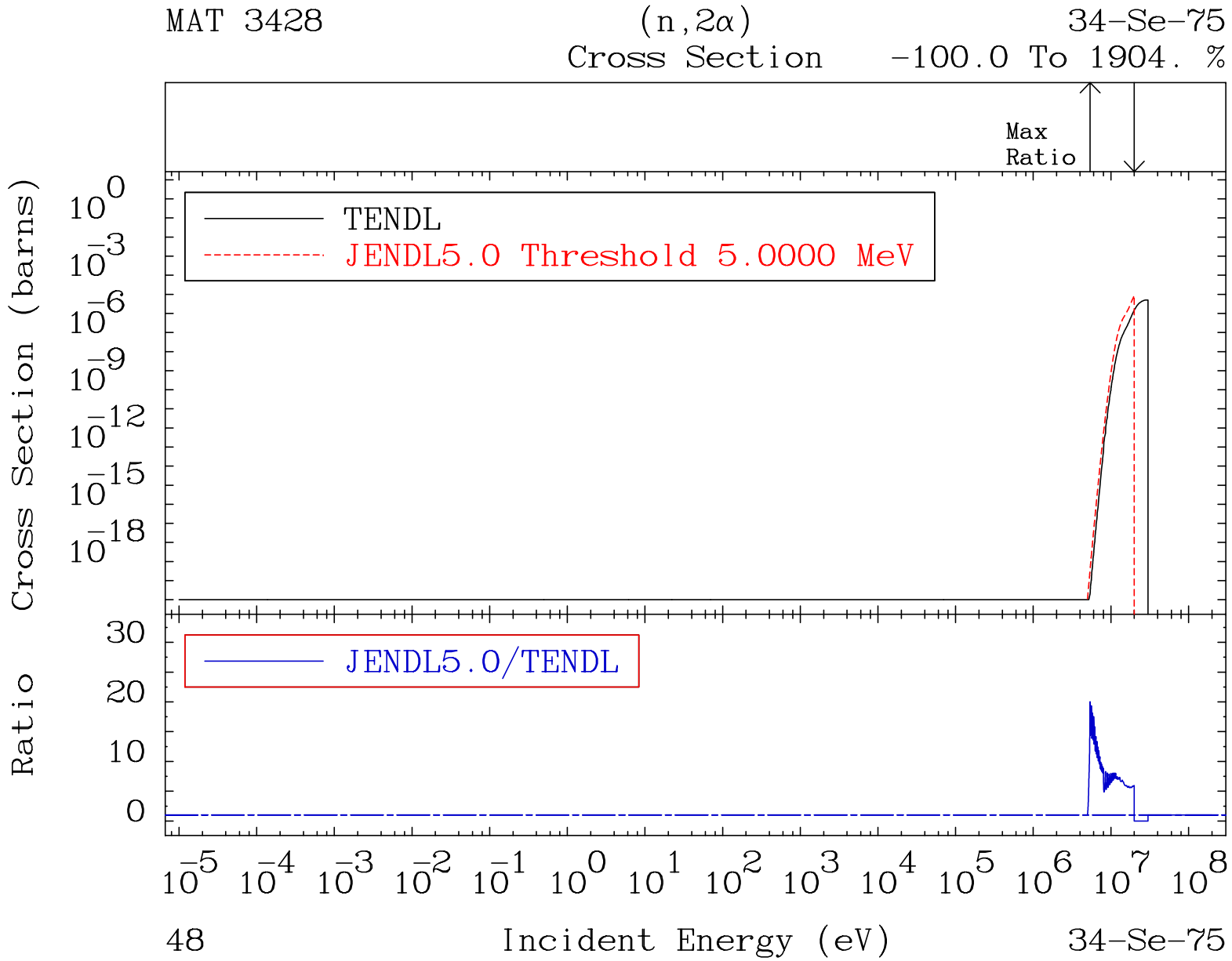

MAT 3428
(n,p)
34-Se-75
Cross Section
-100.0 To 404.0 %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^1
10^0
10^-1
10^-2
10^-3
JENDL5.0/TENDL
Ratio
4
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
43
Incident Energy (eV)
34-Se-75

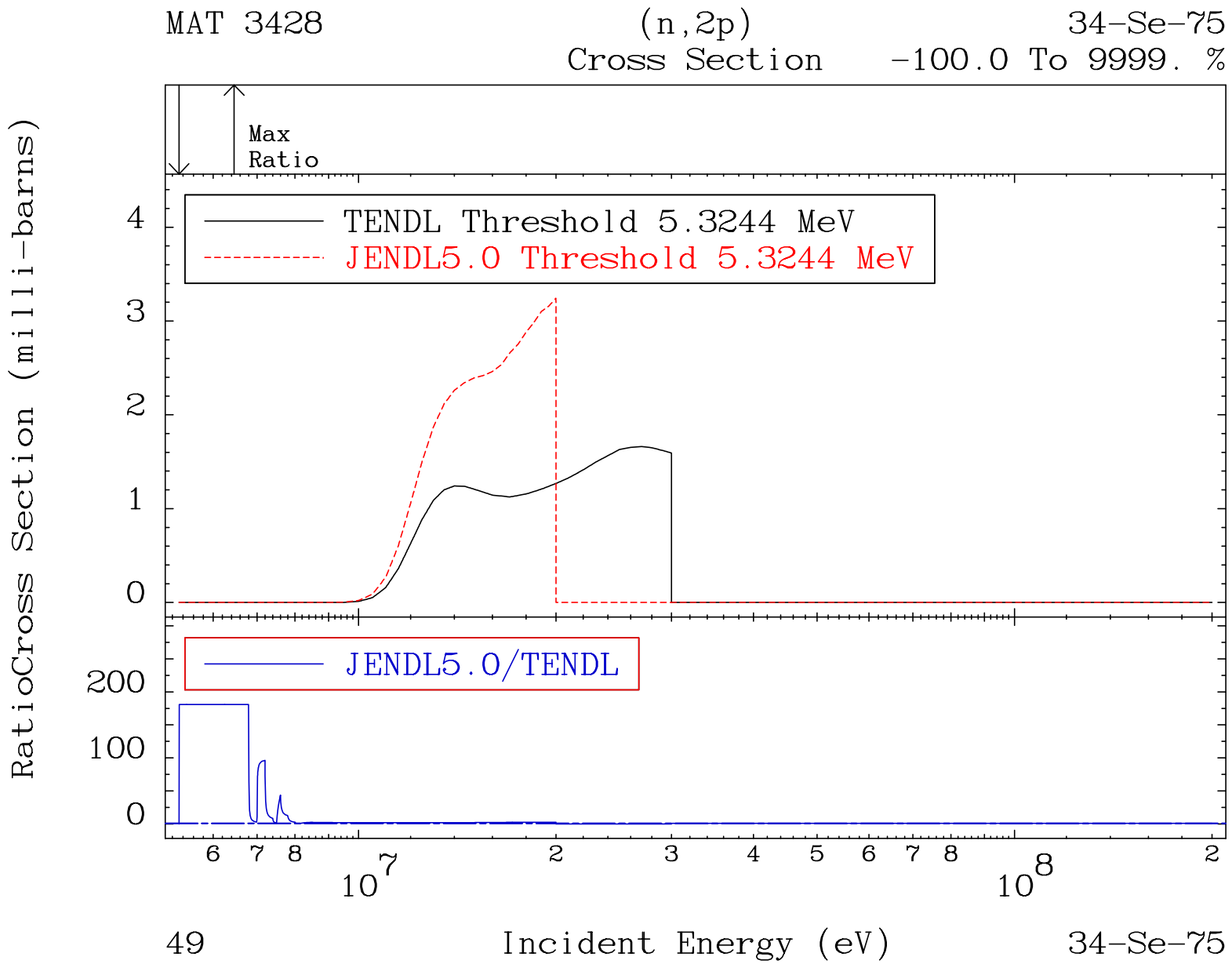

MAT 3428
(n,d)
34-Se-75
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.4596 MeV
JENDL5.0 Threshold 6.4596 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
35
30
25
20
15
10
5
0
8
4
0
7 8
10^7
2 3 4 5 6 7 8
10^8
2
44
Incident Energy (eV)
34-Se-75

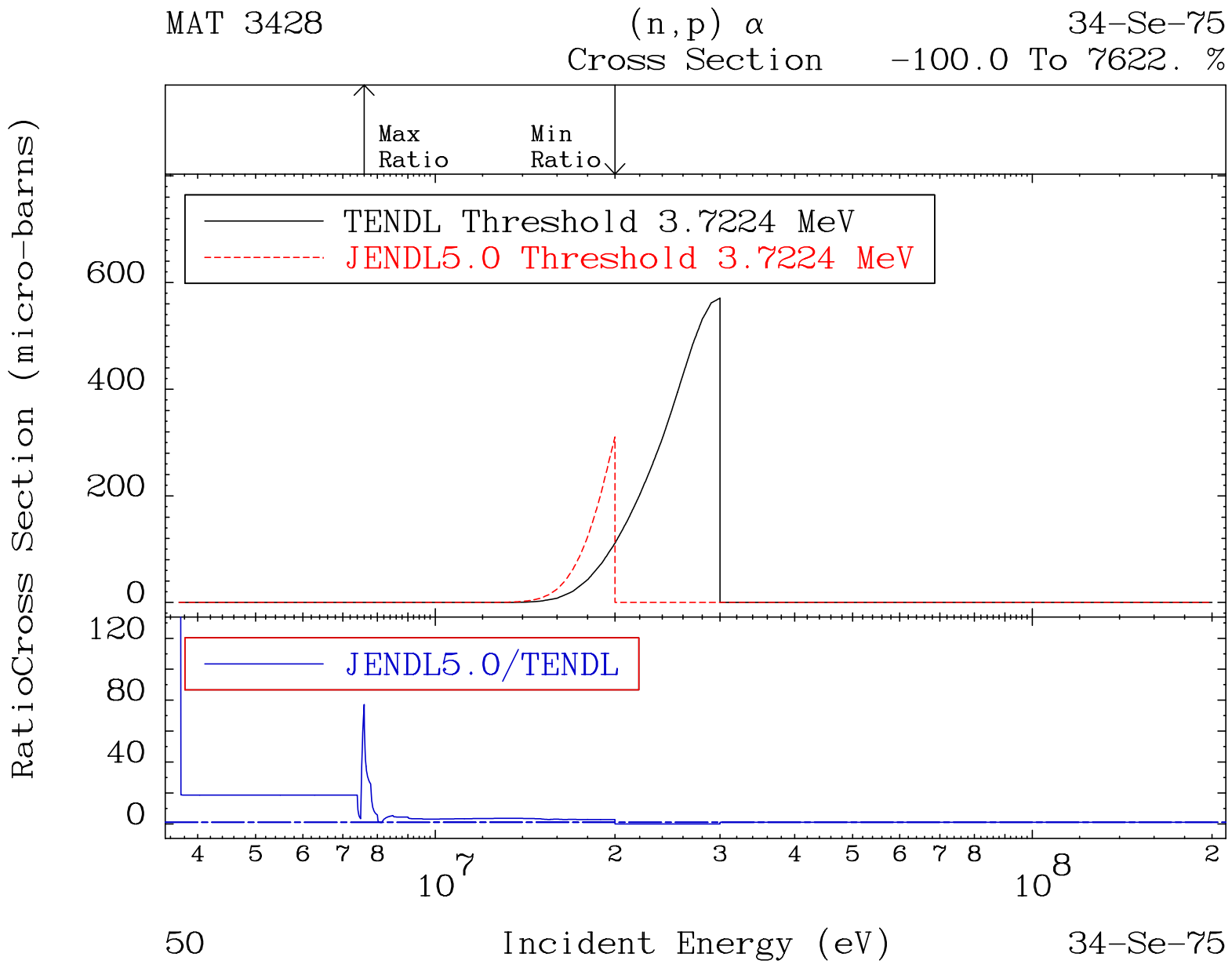

MAT 3428
(n,t)
34-Se-75
Cross Section
-100.0 To 48.81 %
Max
Ratio
TENDL Threshold 8.2042 MeV
JENDL5.0 Threshold 8.2042 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
10
8
6
4
2
0
2.0
1.0
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
45
Incident Energy (eV)
34-Se-75

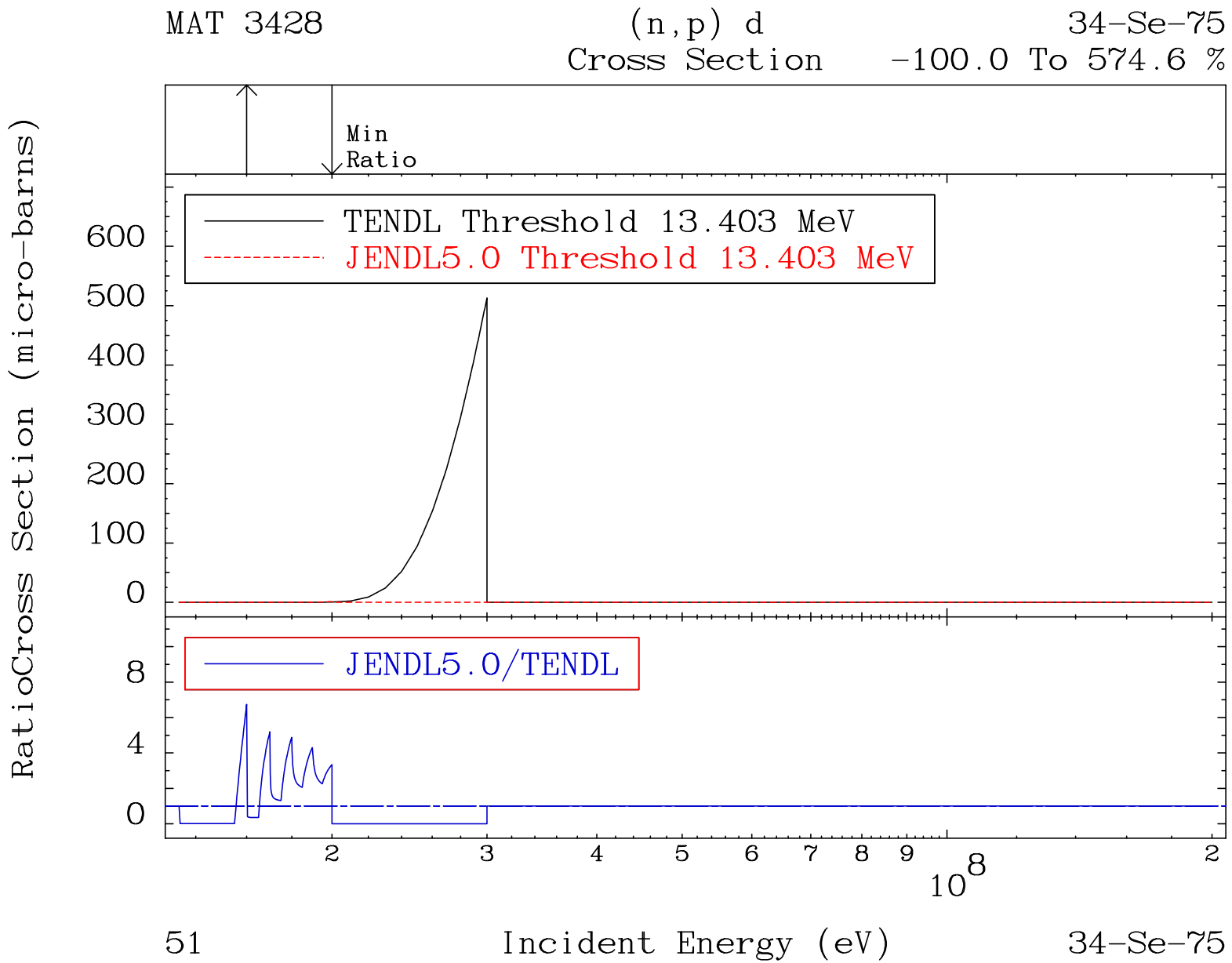

MAT 3428
(n,He-3)
34-Se-75
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.8359 MeV
JENDL5.0 Threshold 7.8359 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
46
Incident Energy (eV)
34-Se-75

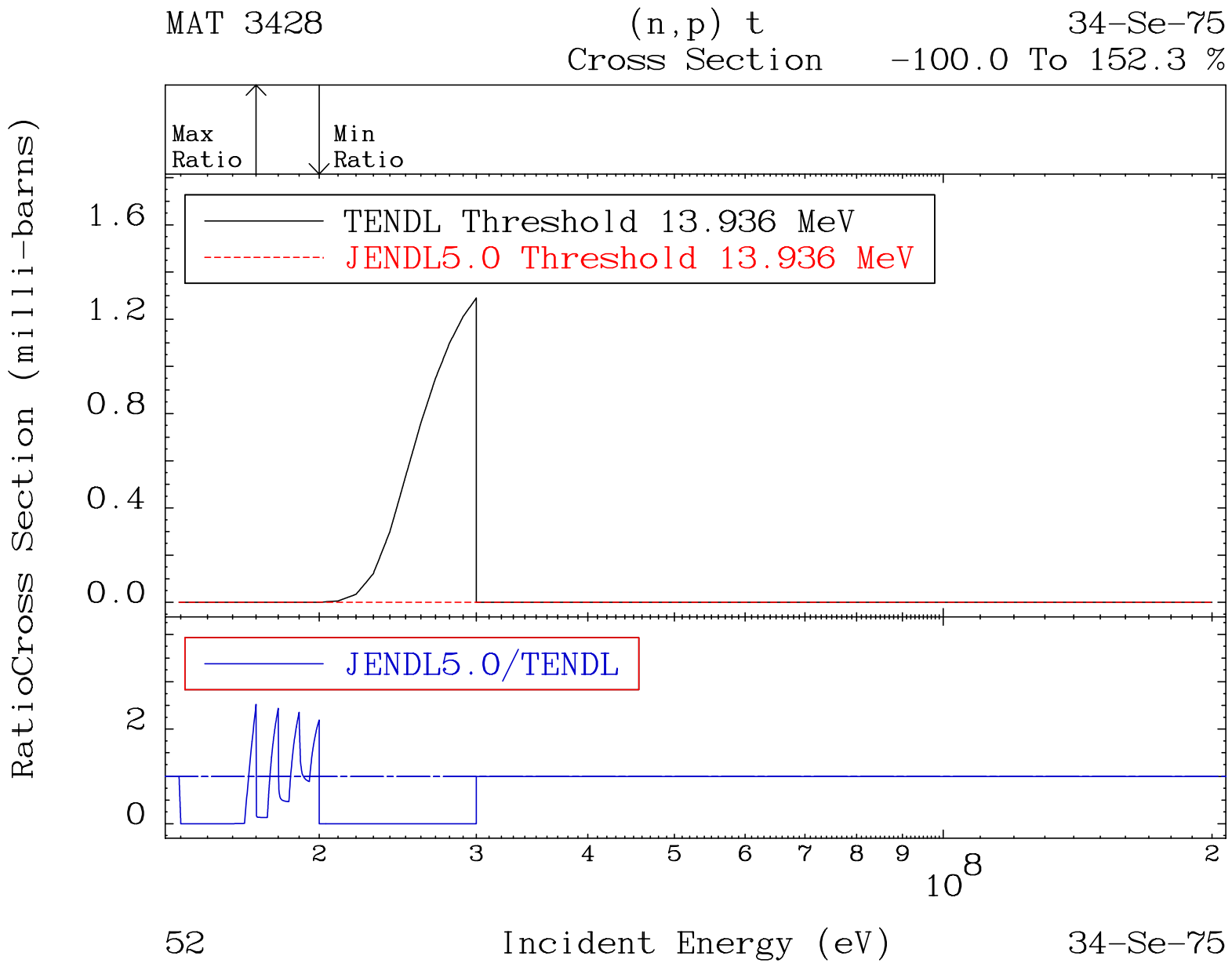

MAT 3428
(n,α)
34-Se-75
Cross Section
-100.0 To 316.3 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
10^1
10^0
10^-1
10^-2
10^-3
JENDL5.0/TENDL
Ratio
6
4
2
0
10^-5 10^-4 10^-3 10^-2 10^-1 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8
47
Incident Energy (eV)
34-Se-75

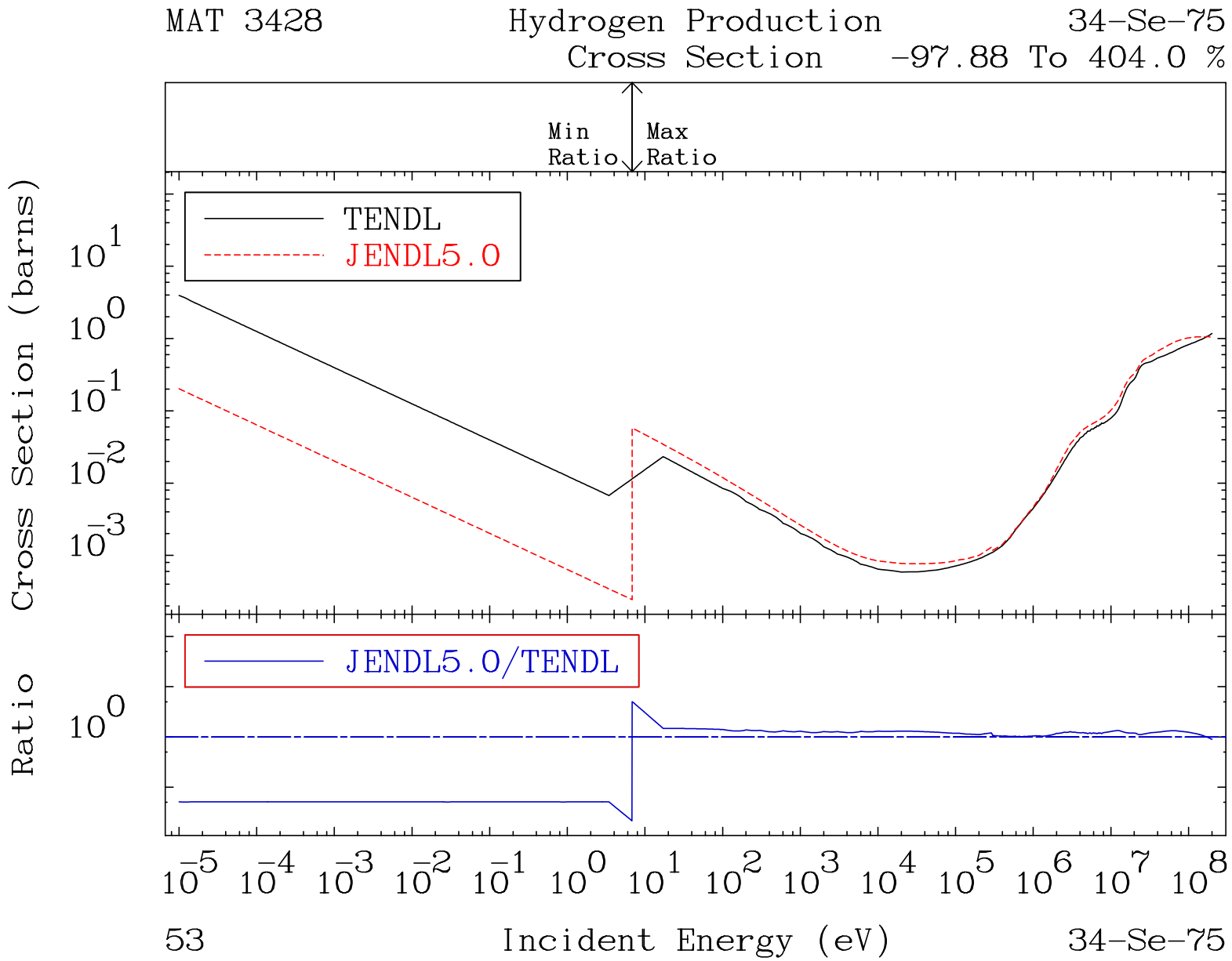

MAT 3428
(n,2α)
Cross Section
34-Se-75
-100.0 To 1904. %
Max
Ratio
TENDL
JENDL5.0 Threshold 5.0000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
48
34-Se-75

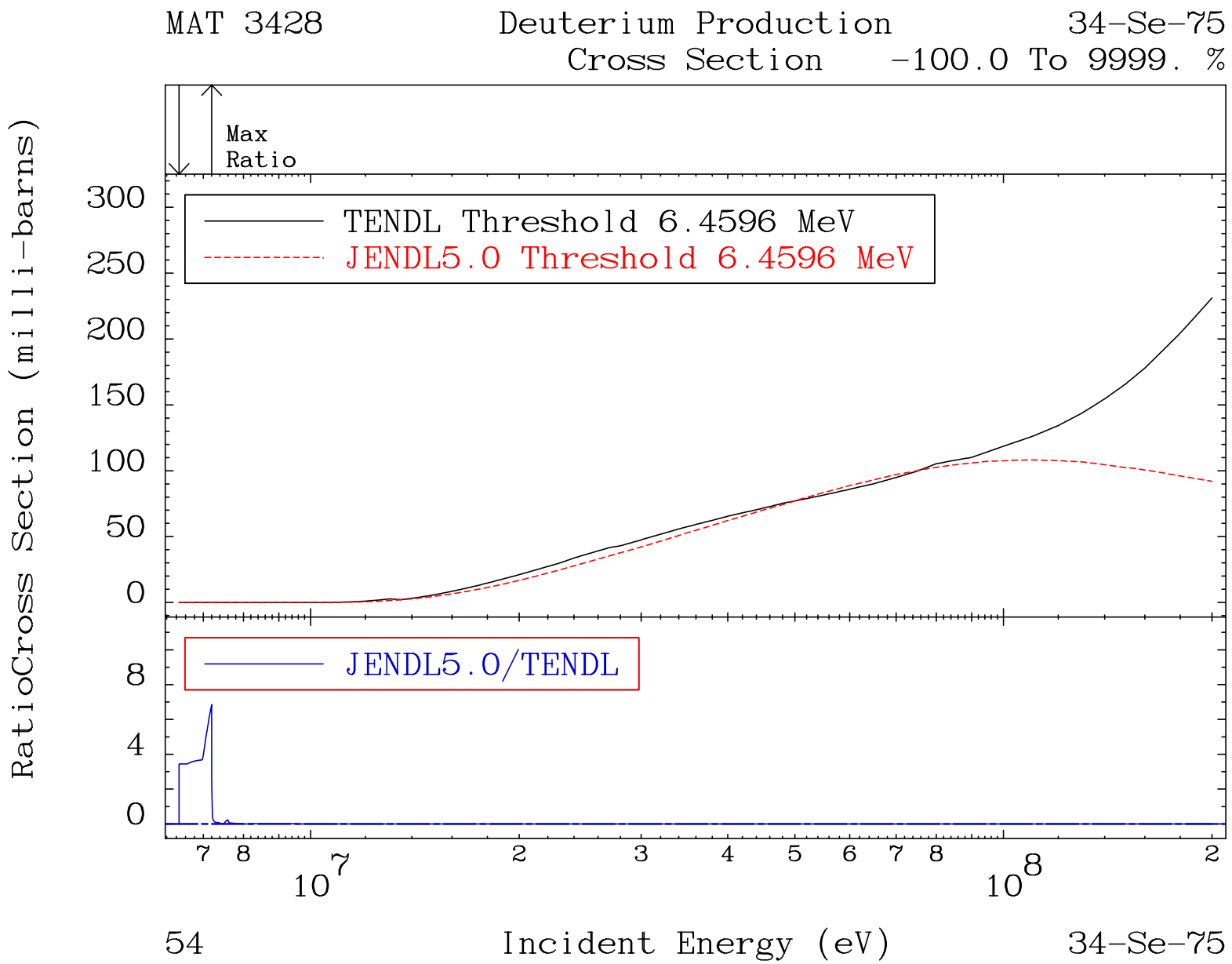

MAT 3428
(n,2p)
34-Se-75
Cross Section
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 5.3244 MeV
JENDL5.0 Threshold 5.3244 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
200
100
0
6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
49
Incident Energy (eV)
34-Se-75

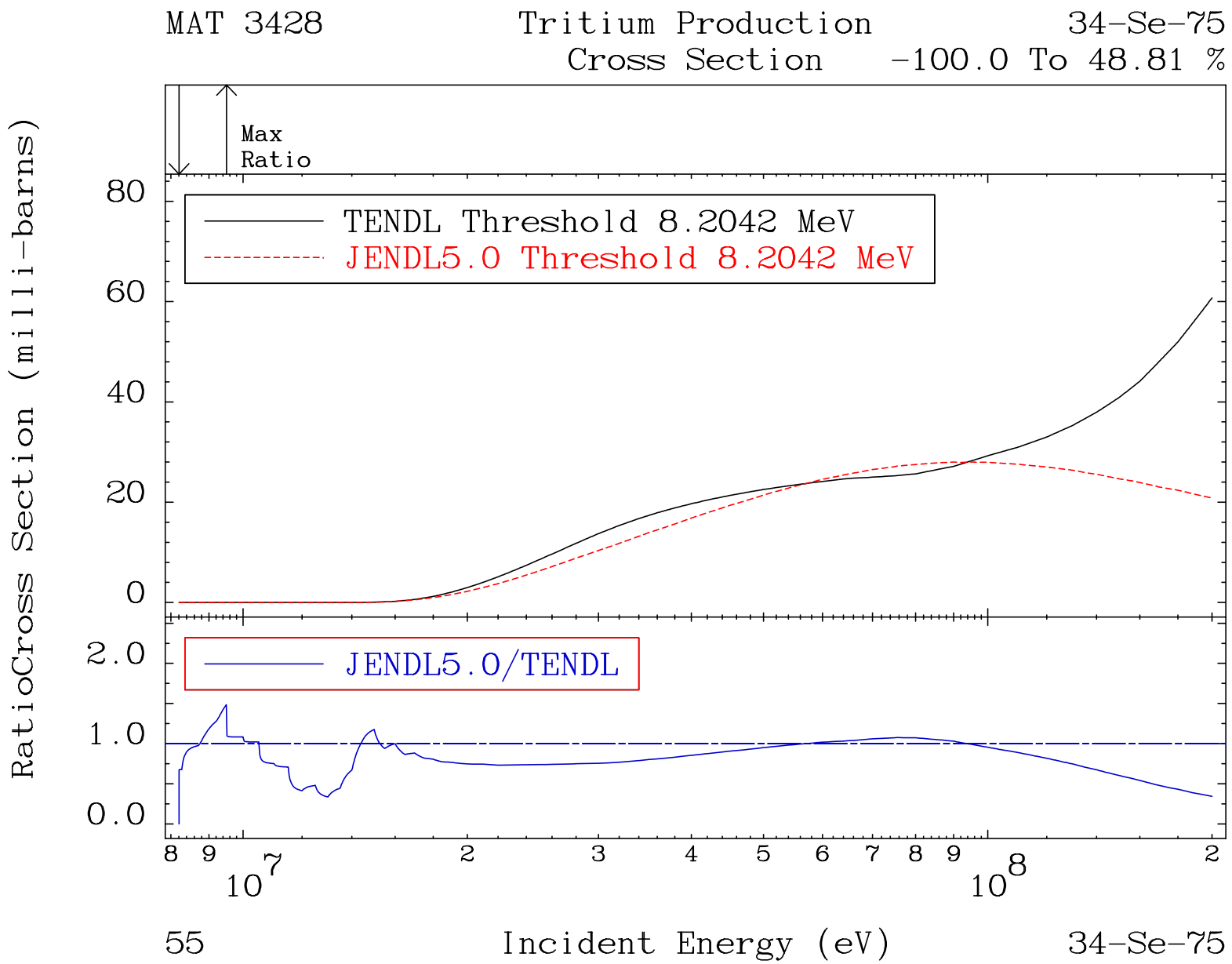

MAT 3428
(n,p) α
34-Se-75
Cross Section
-100.0 To 7622. %
Max Ratio
Min Ratio
TENDL Threshold 3.7224 MeV
JENDL5.0 Threshold 3.7224 MeV
600
400
200
0
120
80
40
0
JENDL5.0/TENDL
RatioCross Section (micro-barns)
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
50
Incident Energy (eV)
34-Se-75

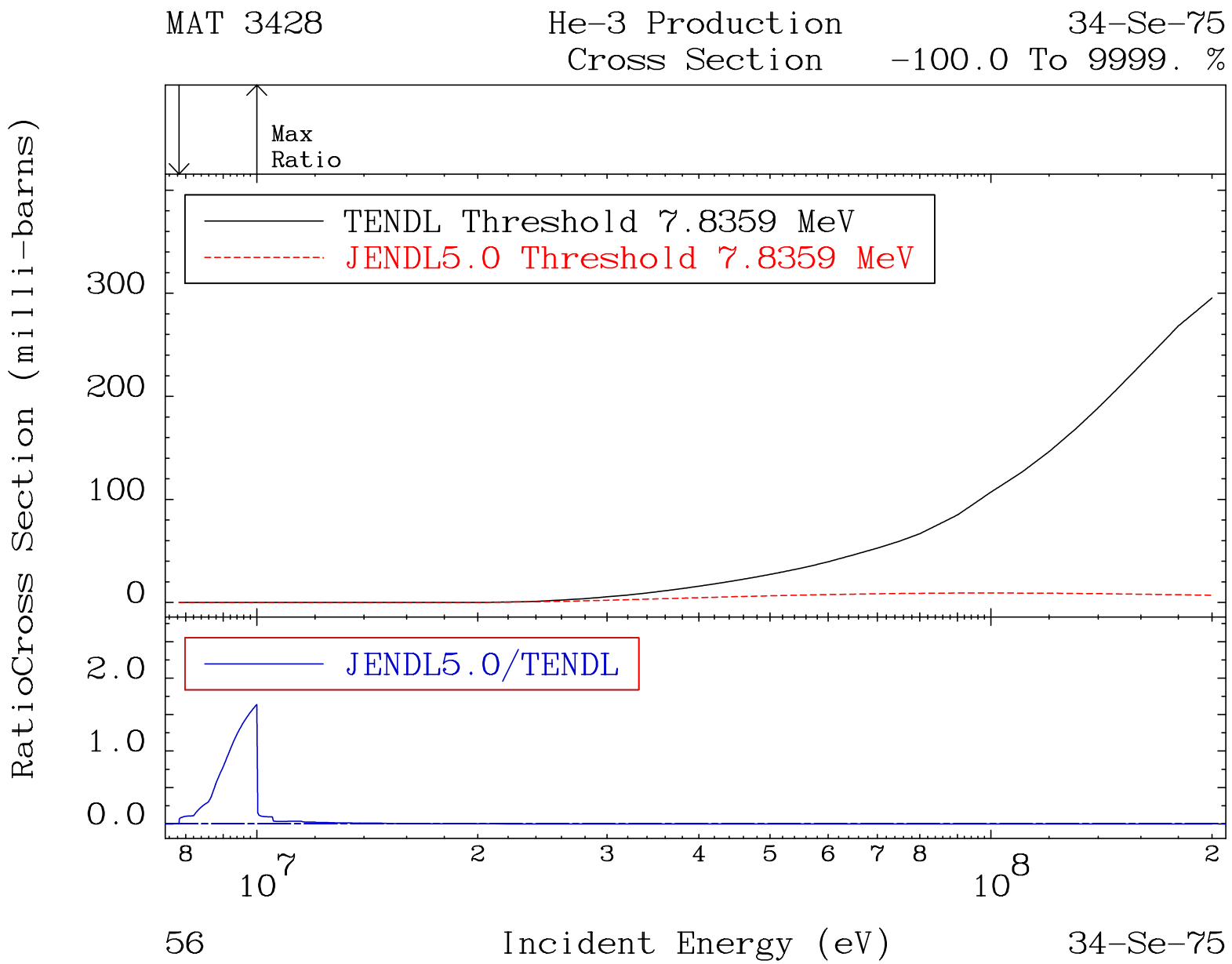

MAT 3428
(n,p) d
Cross Section
34-Se-75
-100.0 To 574.6 %
Min
Ratio
TENDL Threshold 13.403 MeV
JENDL5.0 Threshold 13.403 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
51
Incident Energy (eV)
34-Se-75

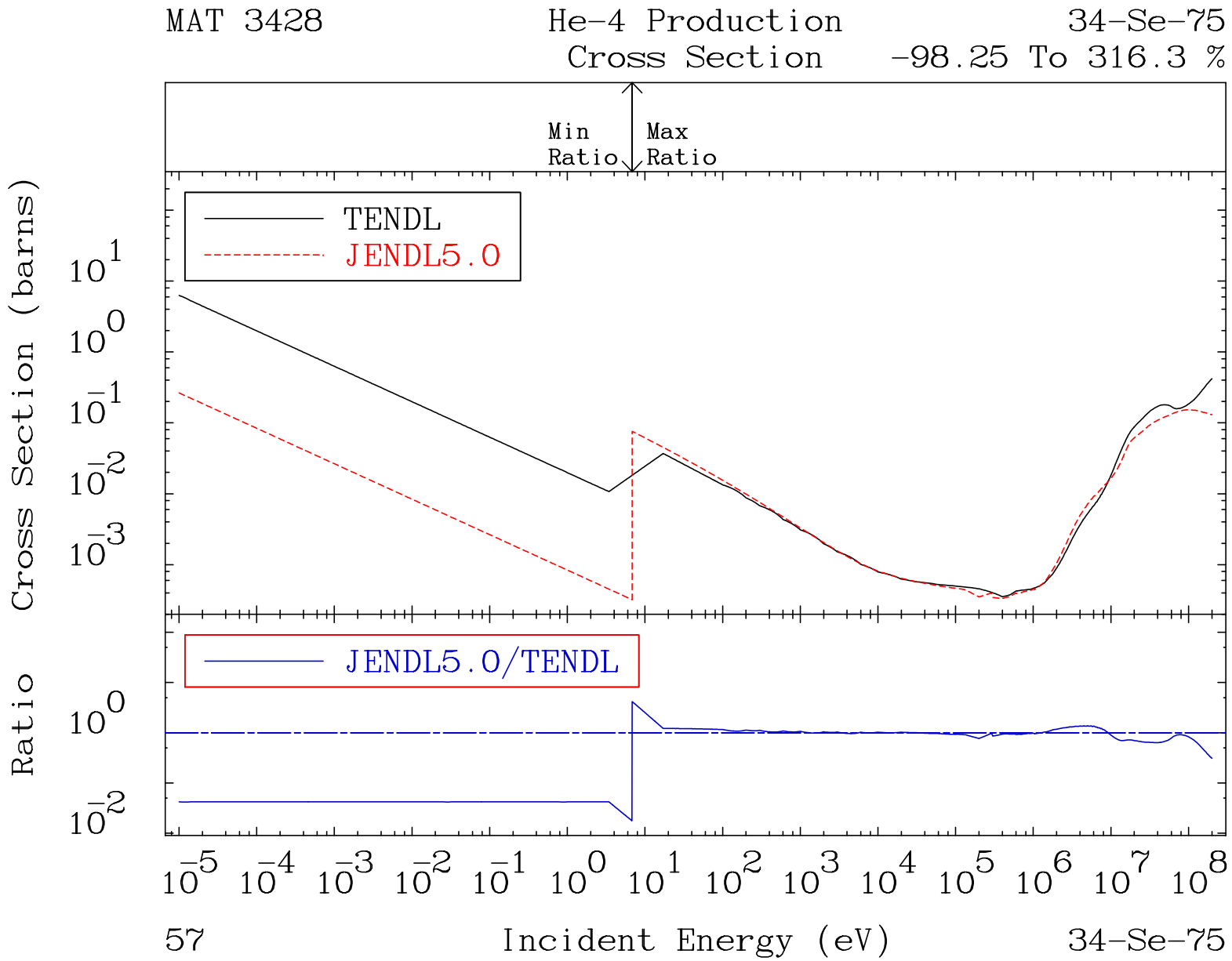

MAT 3428
(n,p) t
34-Se-75
Cross Section
-100.0 To 152.3 %
Max Ratio
Min Ratio
TENDL Threshold 13.936 MeV
JENDL5.0 Threshold 13.936 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
2
0
2
3
4
5
6
7
8
9
10^8
2
52
Incident Energy (eV)
34-Se-75

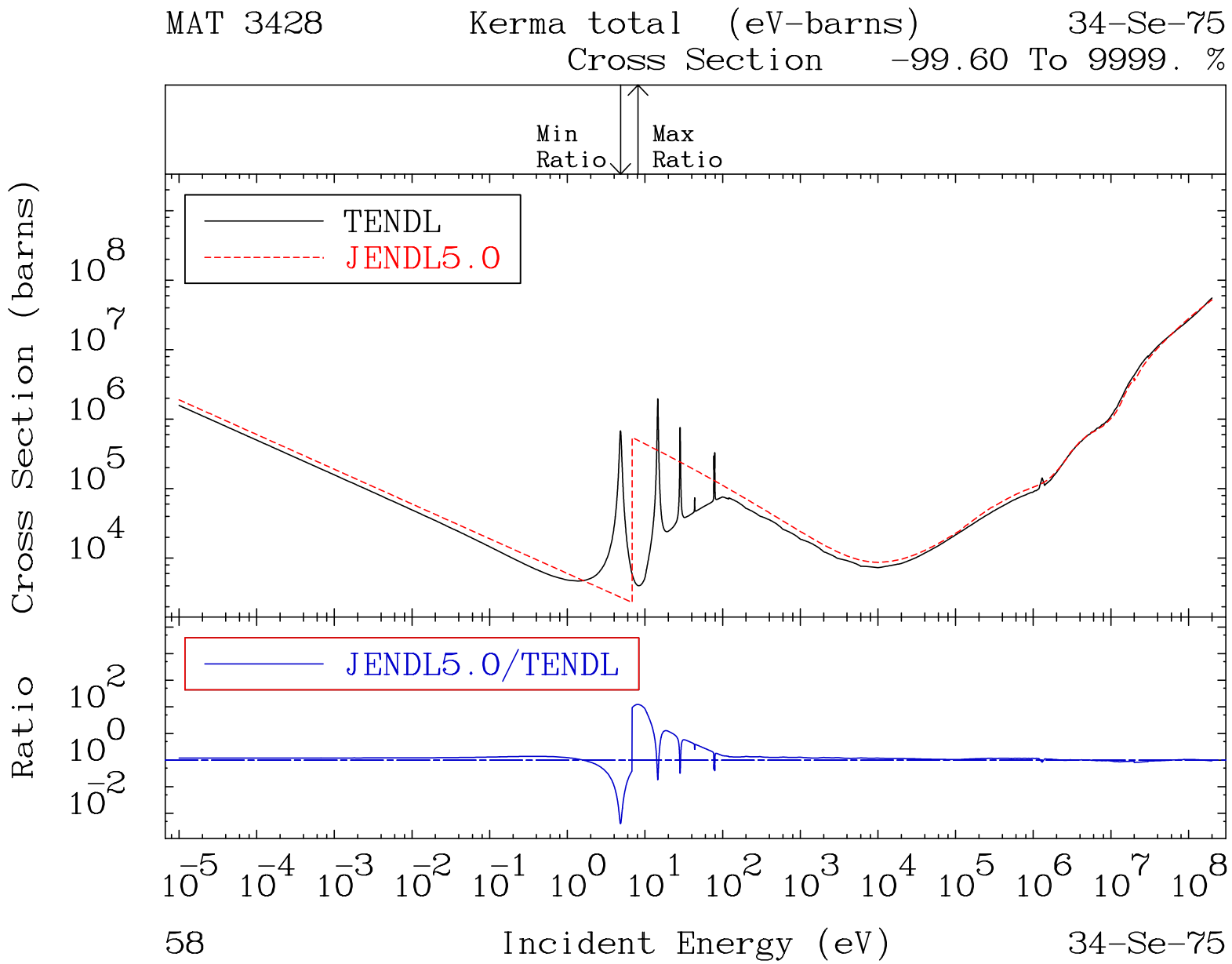

MAT 3428
Hydrogen Production
34-Se-75
Cross Section
-97.88 To 404.0 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
53
34-Se-75

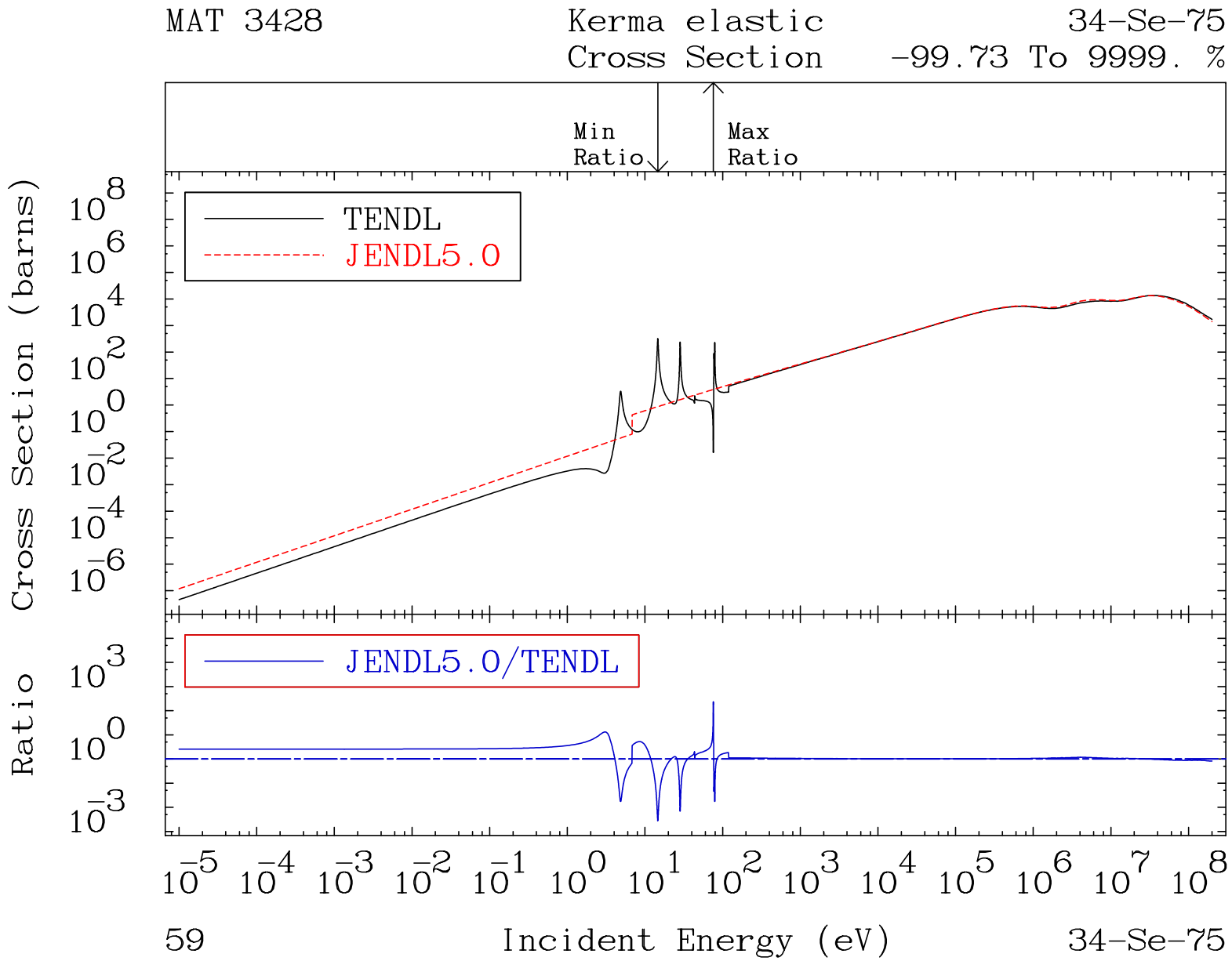

MAT 3428
Deuterium Production
34-Se-75
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL Threshold 6.4596 MeV
JENDL5.0 Threshold 6.4596 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
250
200
150
100
50
0
8
4
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
54
Incident Energy (eV)
34-Se-75

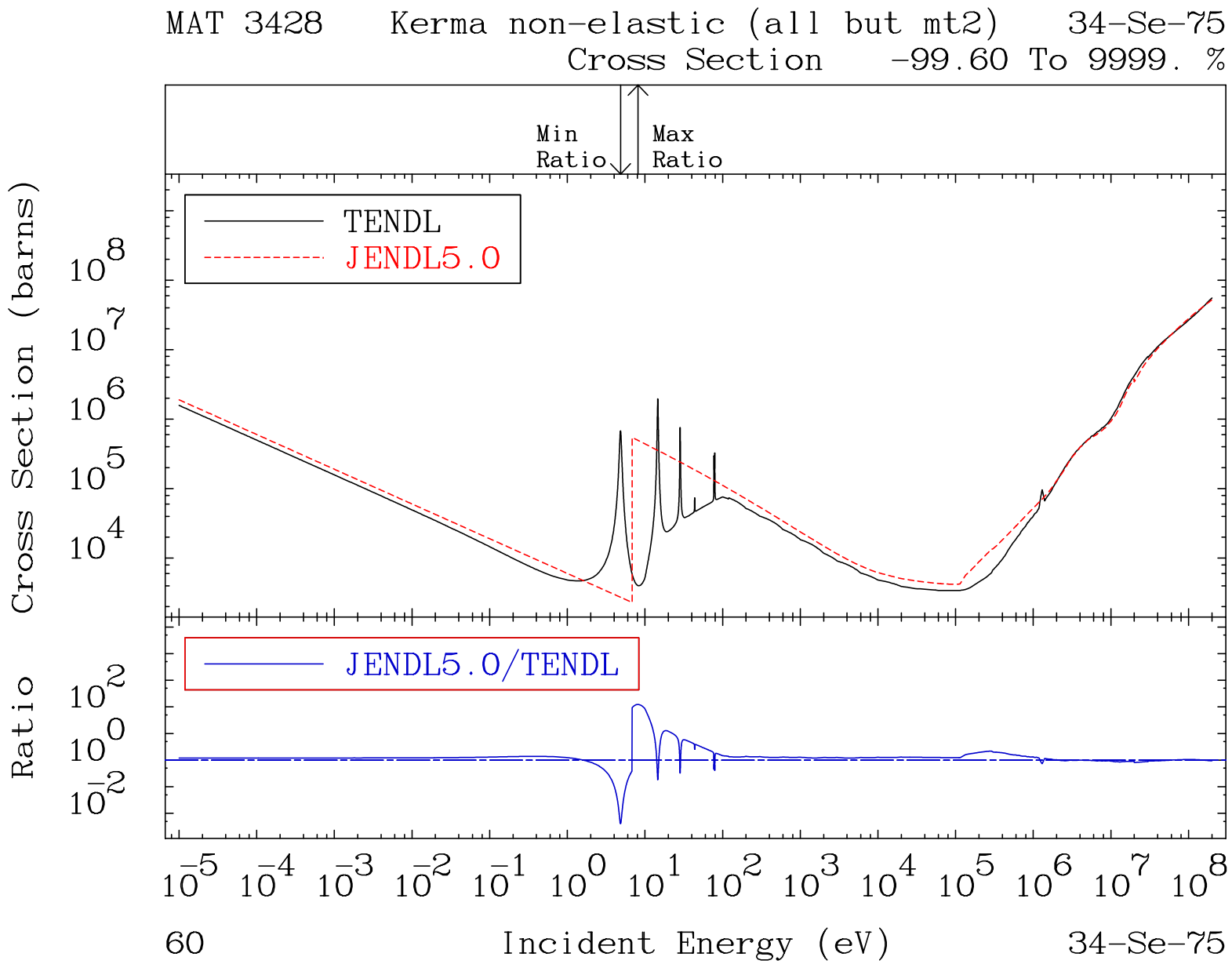

MAT 3428
Tritium Production
34-Se-75
Cross Section
-100.0 To 48.81 %
Max
Ratio
TENDL Threshold 8.2042 MeV
JENDL5.0 Threshold 8.2042 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
55
Incident Energy (eV)
34-Se-75

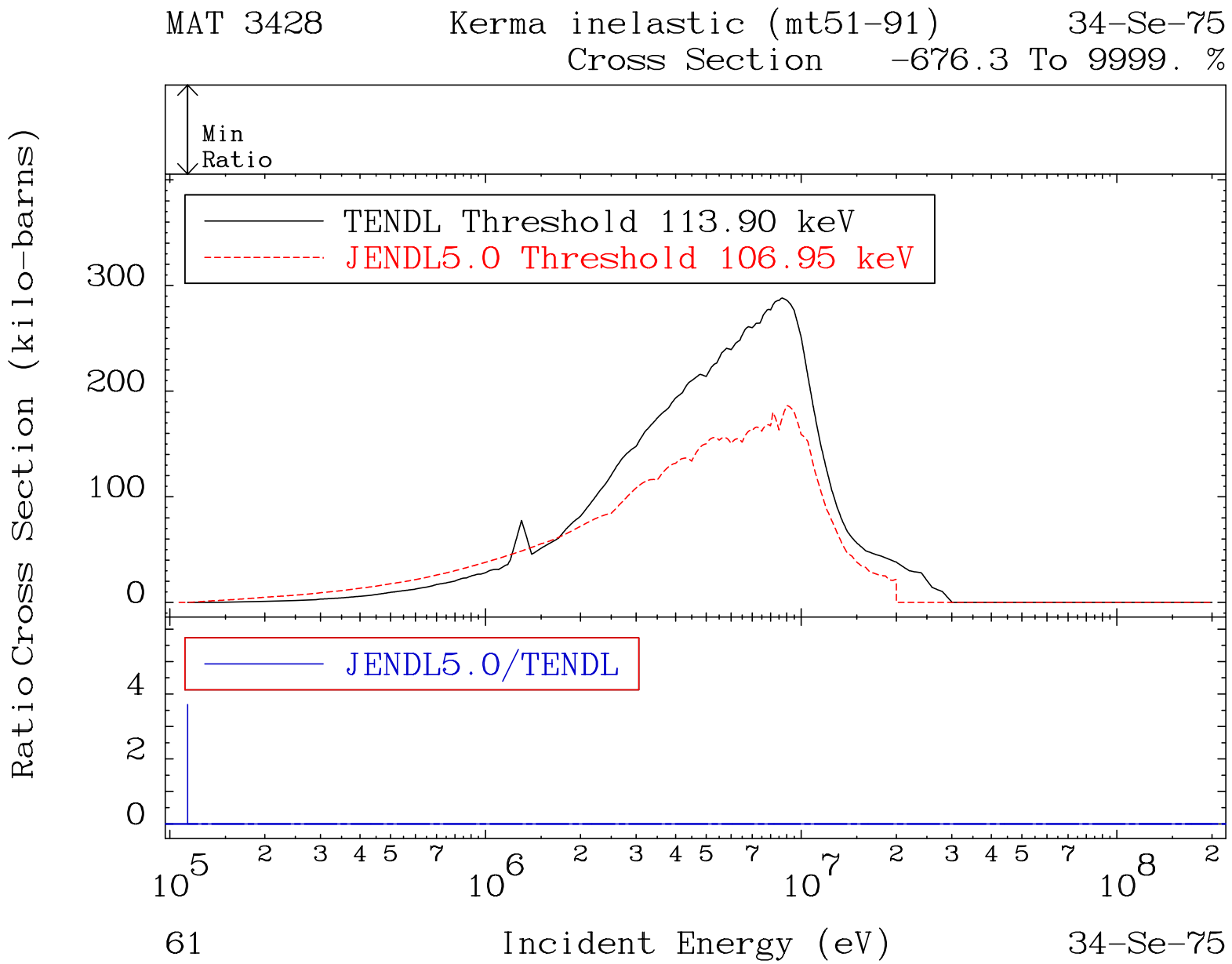

MAT 3428
He-3 Production
Cross Section
34-Se-75
-100.0 To 9999. %
Max
Ratio
TENDL Threshold 7.8359 MeV
JENDL5.0 Threshold 7.8359 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
300
200
100
0
2.0
1.0
0.0
8
10^7
2
3
4
5
6
7
8
10^8
2
56
Incident Energy (eV)
34-Se-75

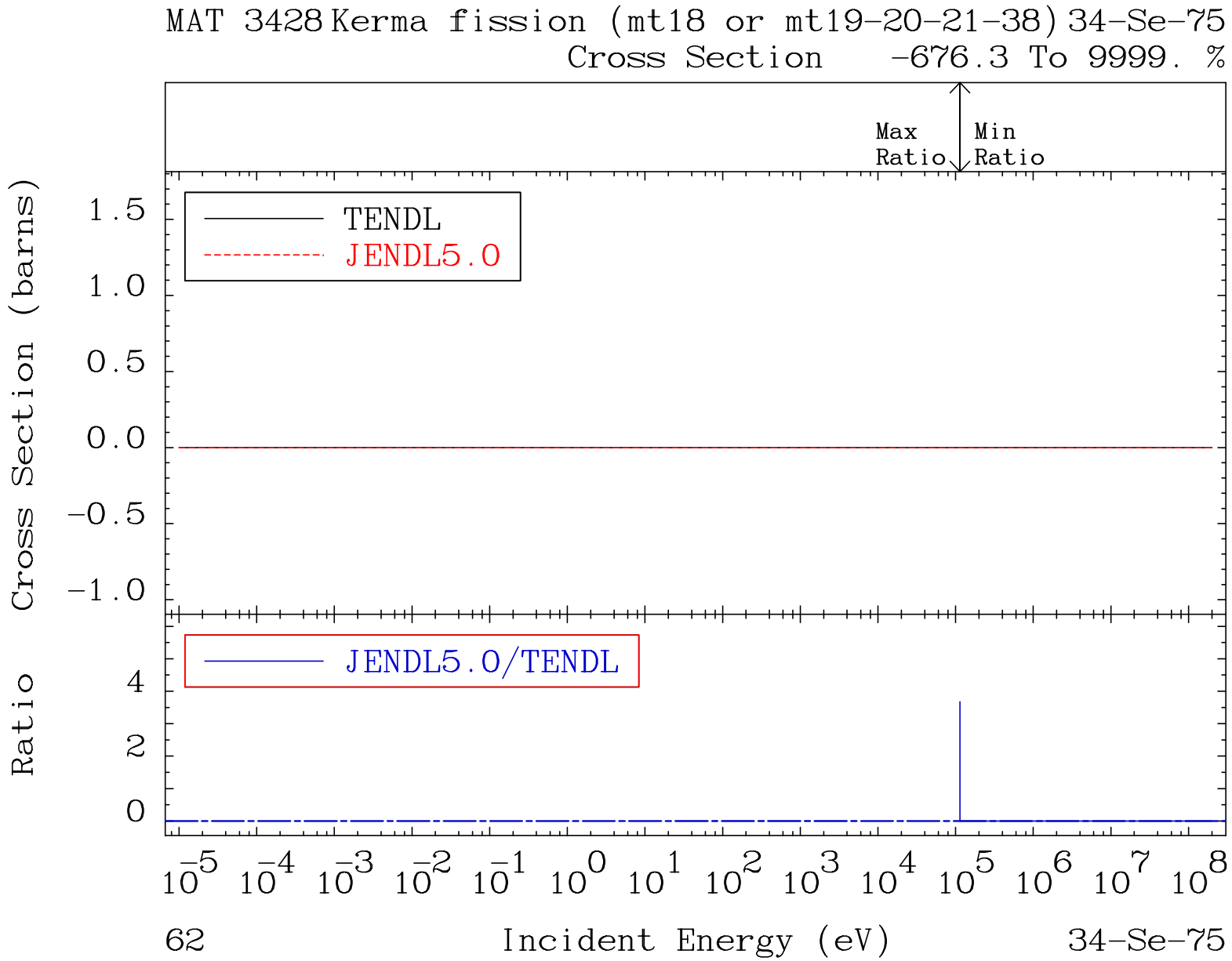

MAT 3428
He-4 Production
Cross Section
34-Se-75
-98.25 To 316.3 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
57
34-Se-75

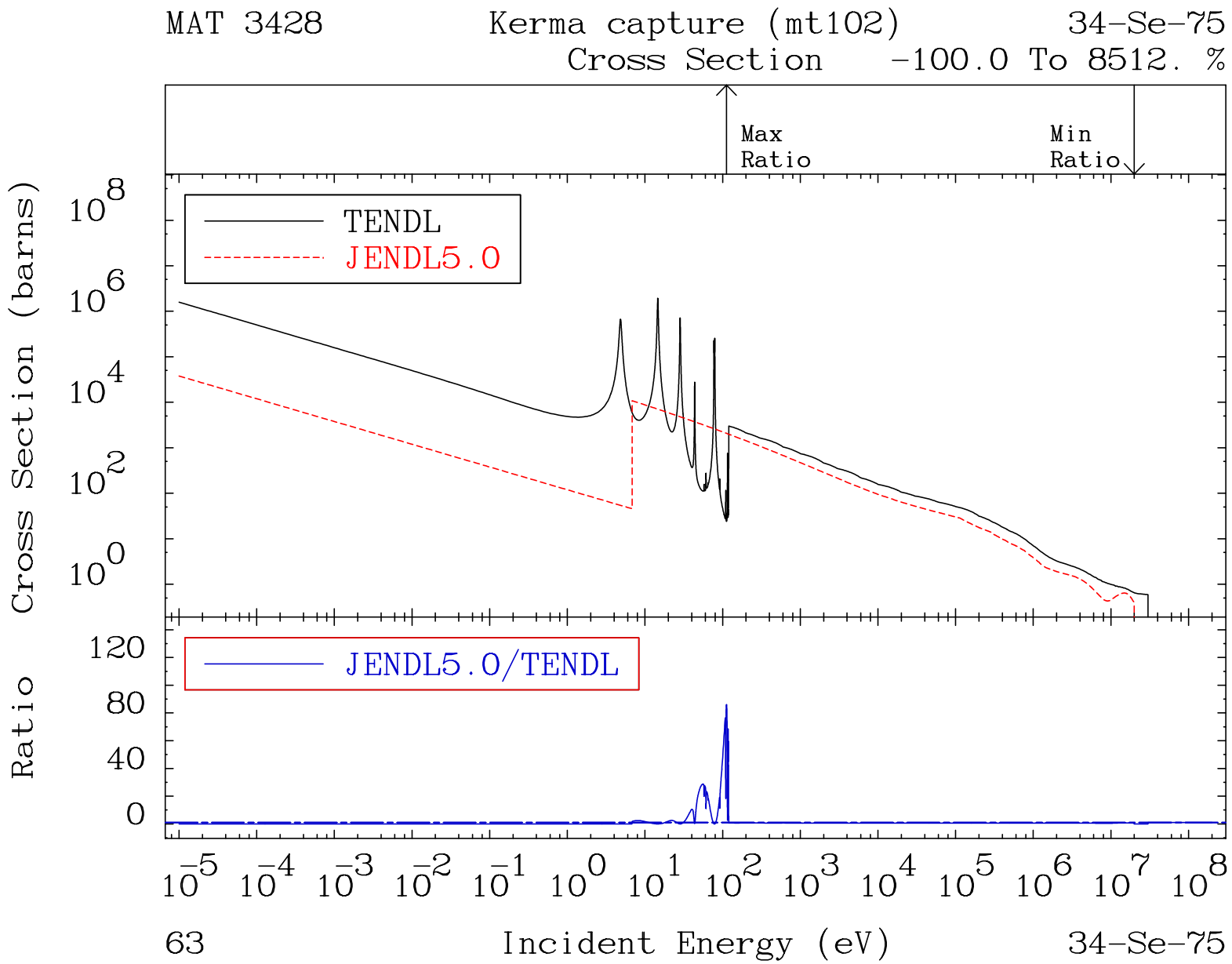

MAT 3428
Kerma total (eV-barns)
34-Se-75
Cross Section -99.60 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
58
Incident Energy (eV)
34-Se-75

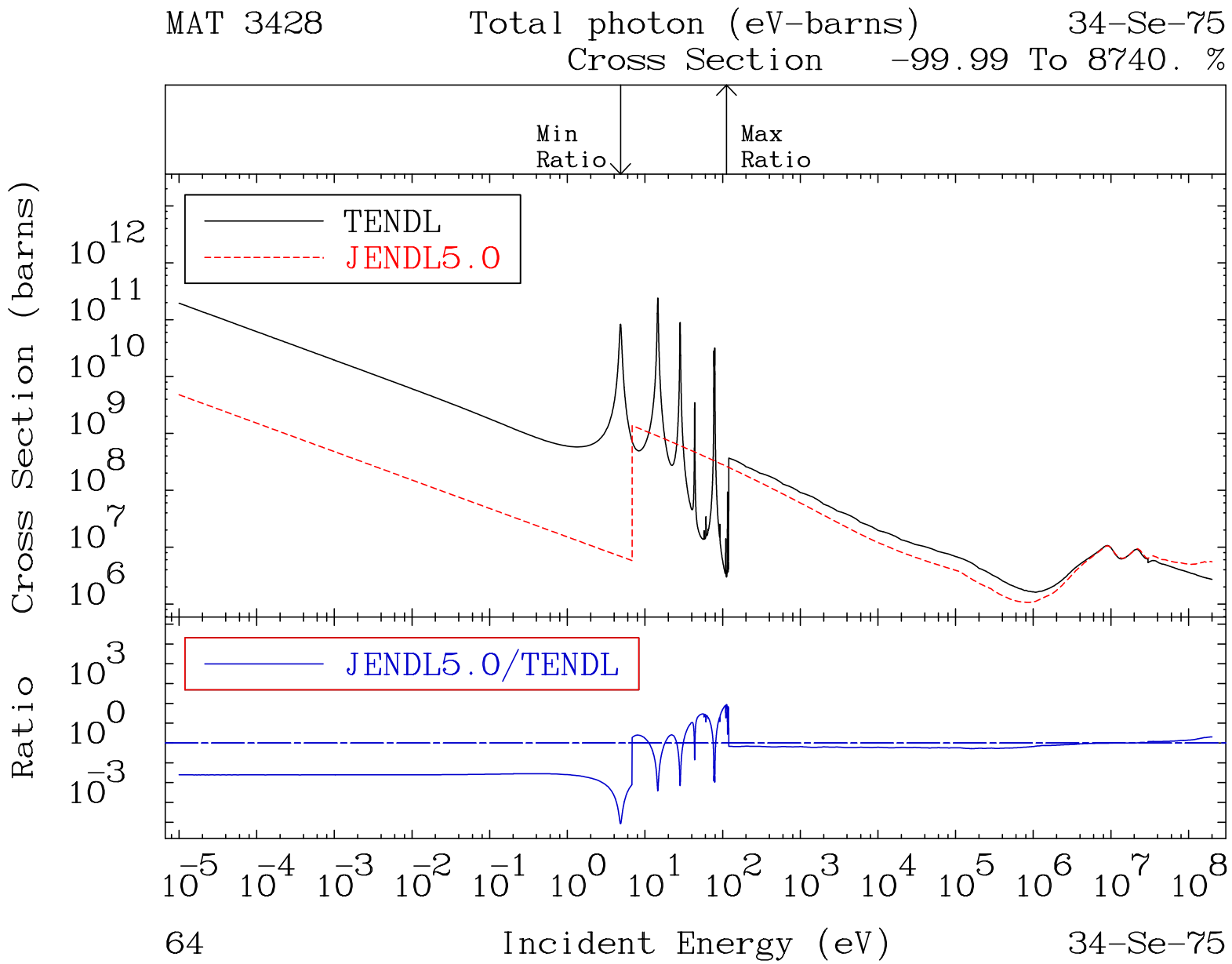

MAT 3428
Kerma elastic
Cross Section
34-Se-75
-99.73 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
34-Se-75

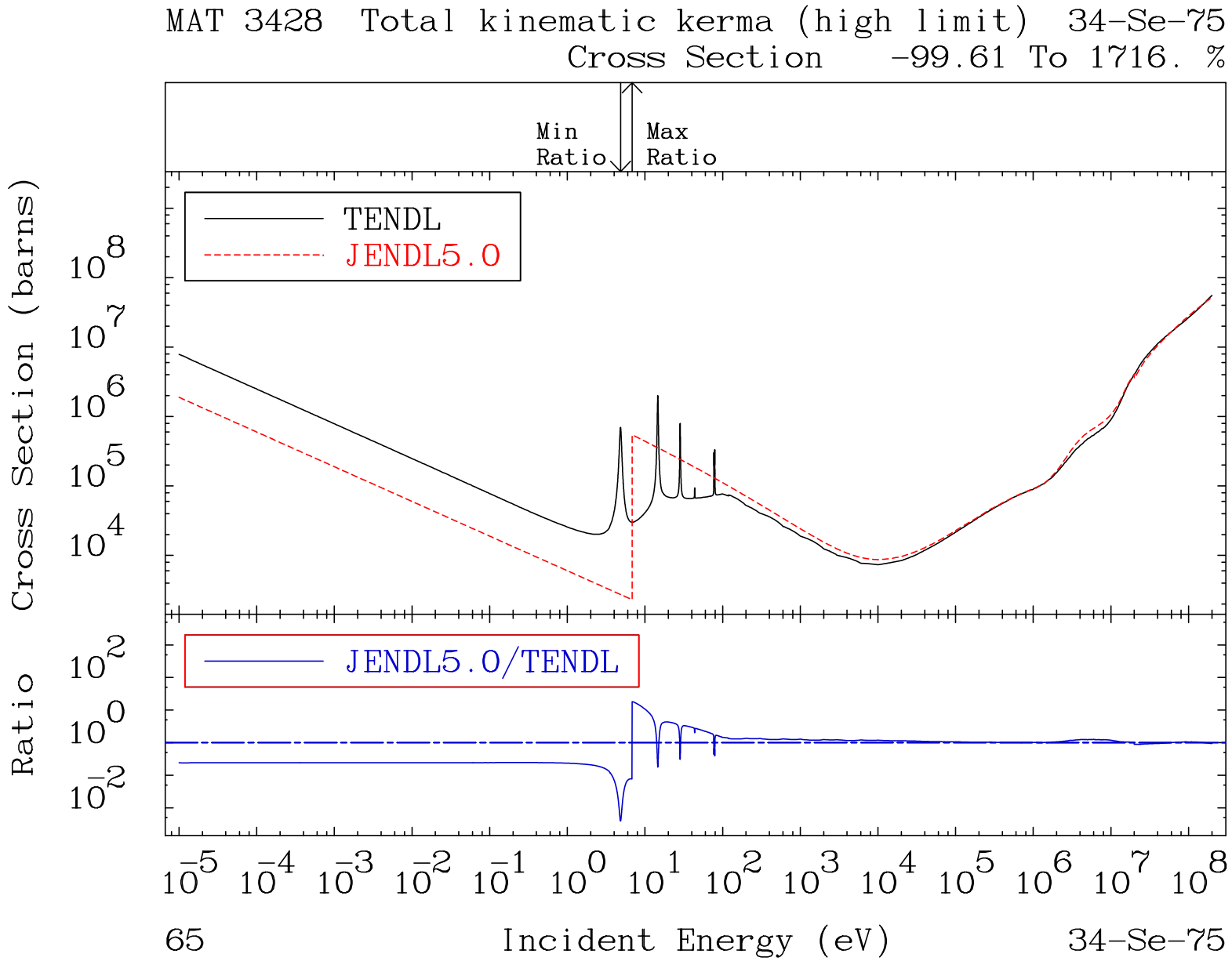

MAT 3428 Kerma non-elastic (all but mt2) 34-Se-75
Cross Section -99.60 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
60
34-Se-75

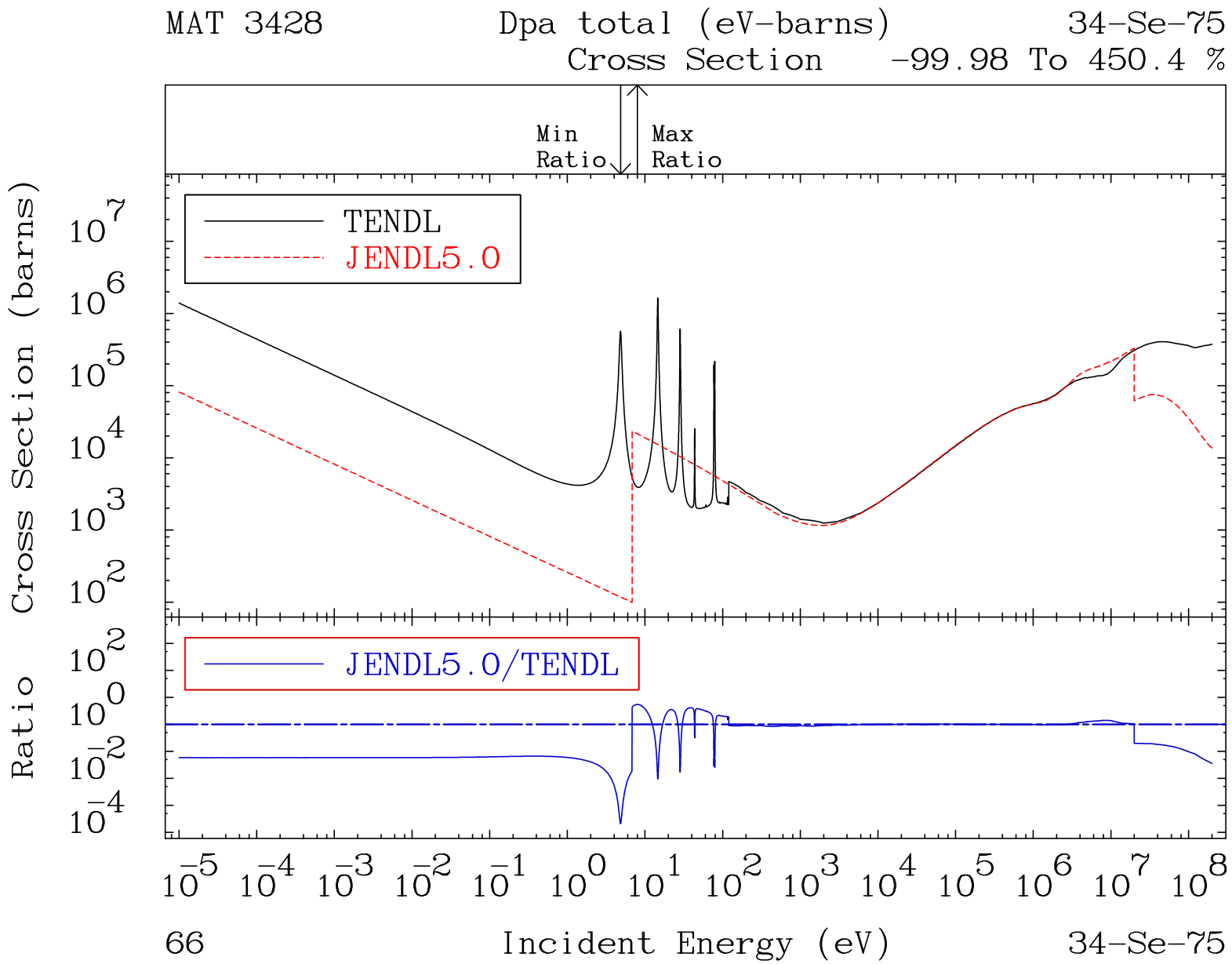

MAT 3428 Kerma inelastic (mt51-91) 34-Se-75
Cross Section -676.3 To 9999. %
Min
Ratio
TENDL Threshold 113.90 keV
JENDL5.0 Threshold 106.95 keV
JENDL5.0/TENDL
Ratio Cross Section (kilo-barns)
300
200
100
0
4
2
0
2 3 4 5 7
10^5
10^6
10^7
10^8
61
Incident Energy (eV)
34-Se-75

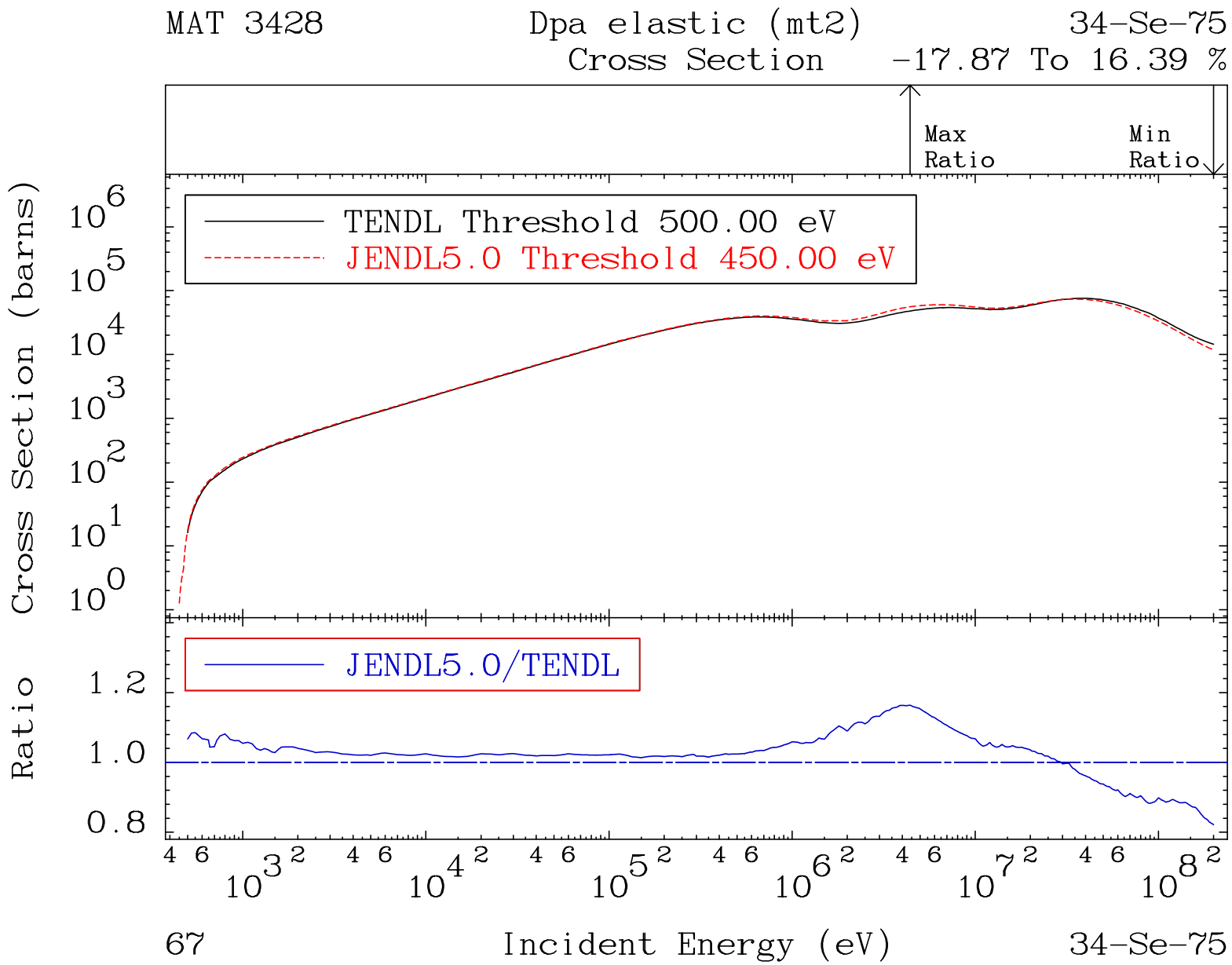

MAT 3428 Kerma fission (mt18 or mt19-20-21-38) 34-Se-75
Cross Section -676.3 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
4
2
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
62
Incident Energy (eV)
34-Se-75

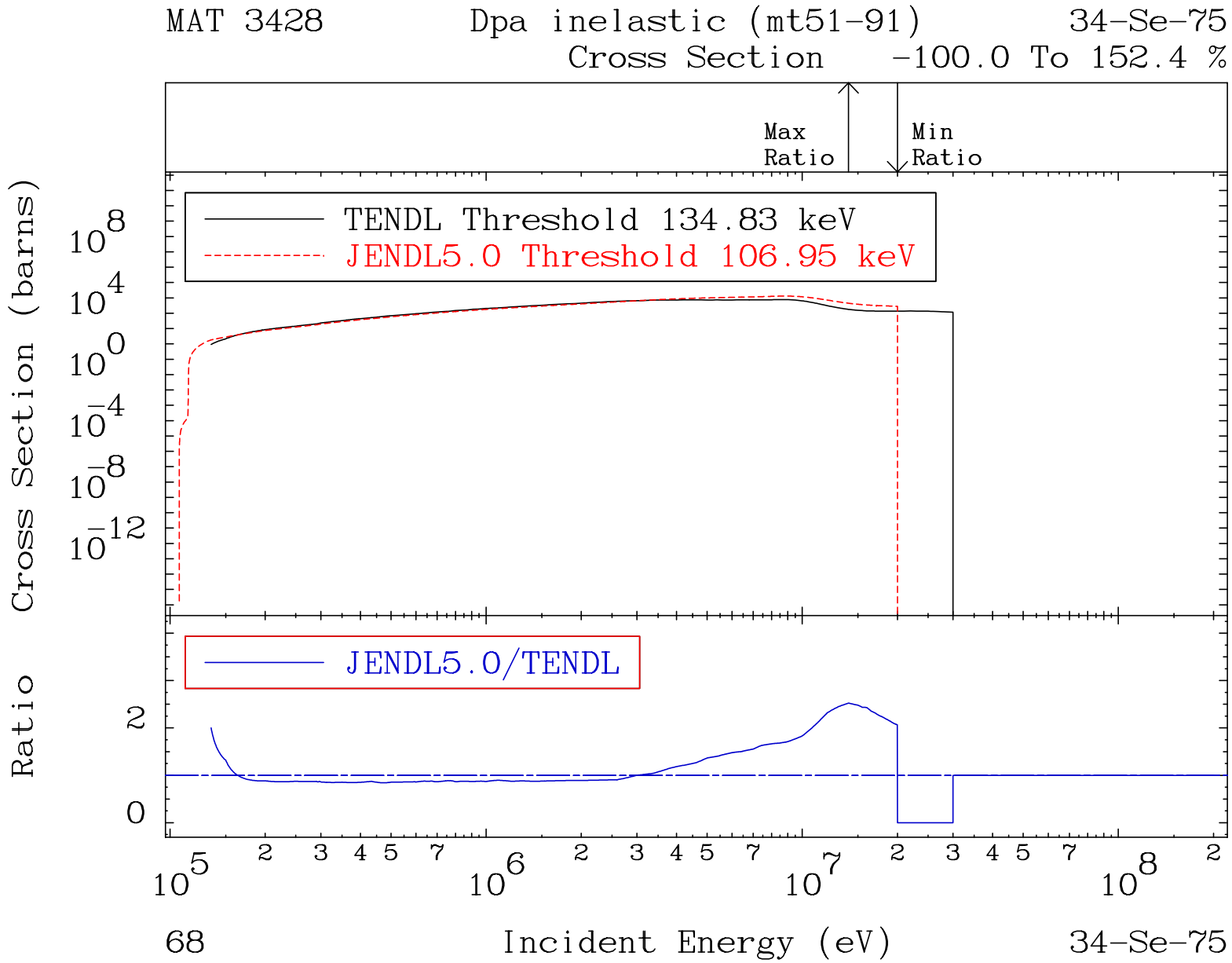

MAT 3428
Kerma capture (mt102)
34-Se-75
Cross Section -100.0 To 8512. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
34-Se-75

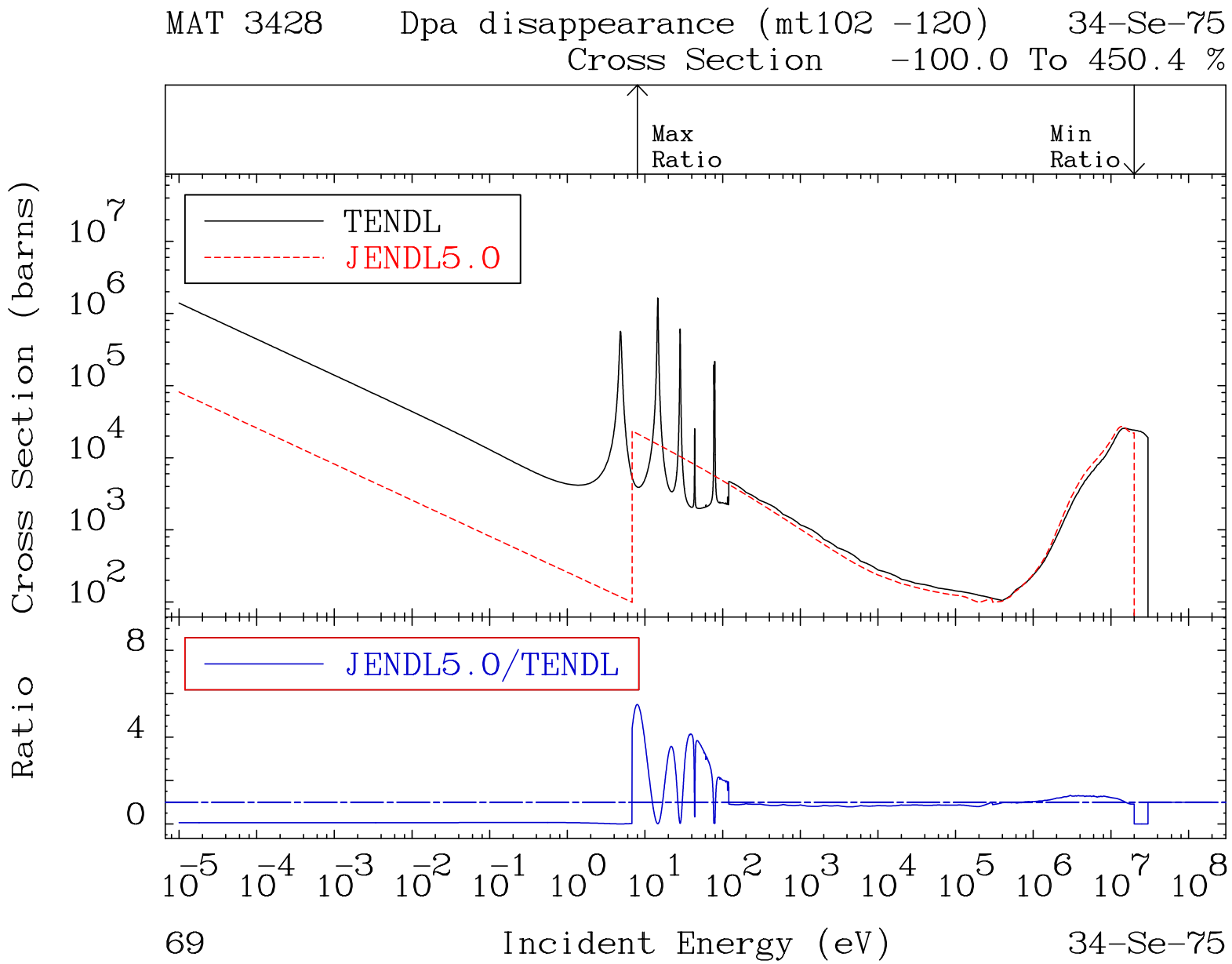

MAT 3428
Total photon (eV-barns)
34-Se-75
Cross Section -99.99 To 8740. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
Ratio
JENDL5.0/TENDL
Incident Energy (eV)
64
34-Se-75

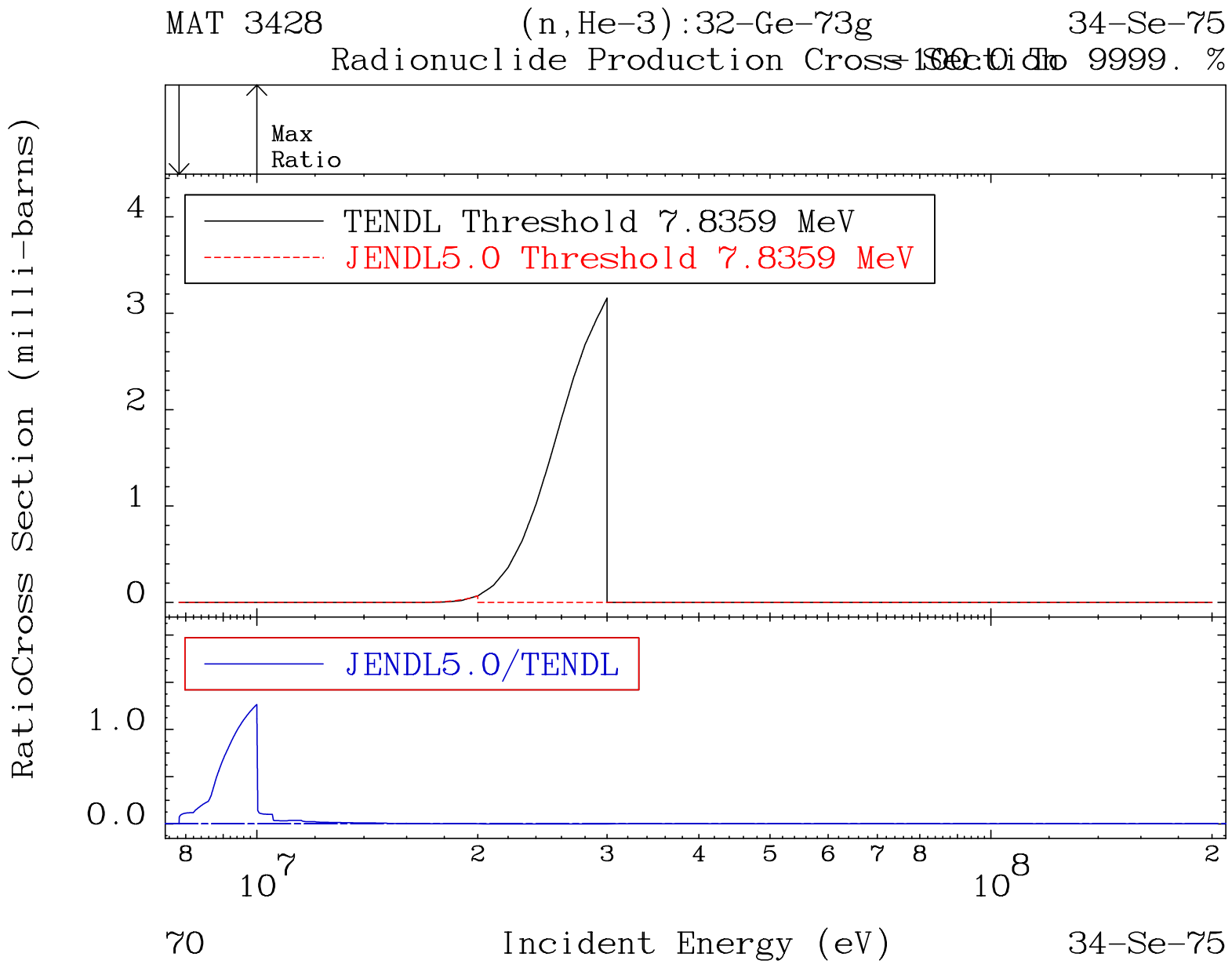

MAT 3428 Total kinematic kerma (high limit) 34-Se-75
Cross Section -99.61 To 1716. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
65
34-Se-75

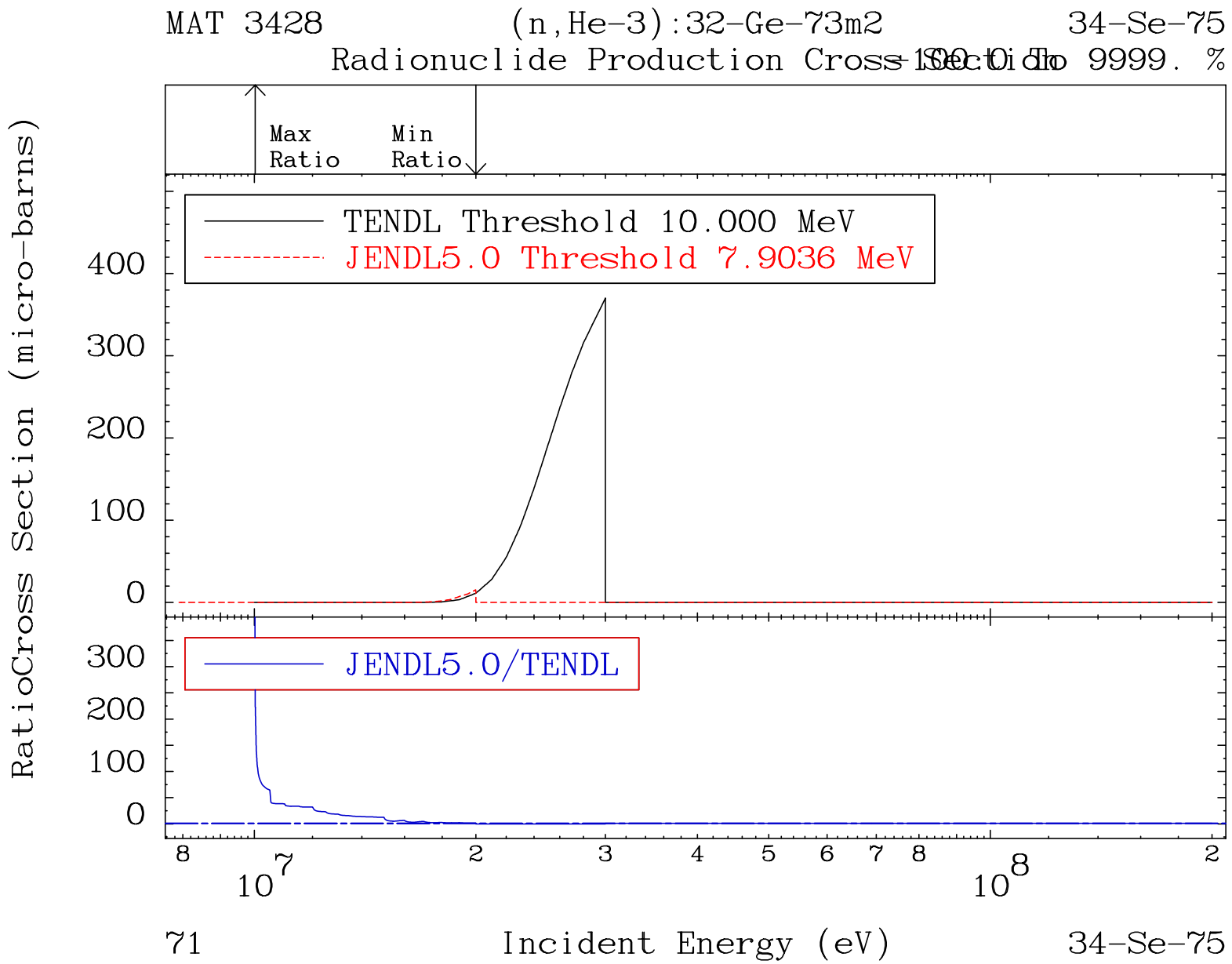

MAT 3428
Dpa total (eV-barns)
34-Se-75
Cross Section -99.98 To 450.4 %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
66
34-Se-75

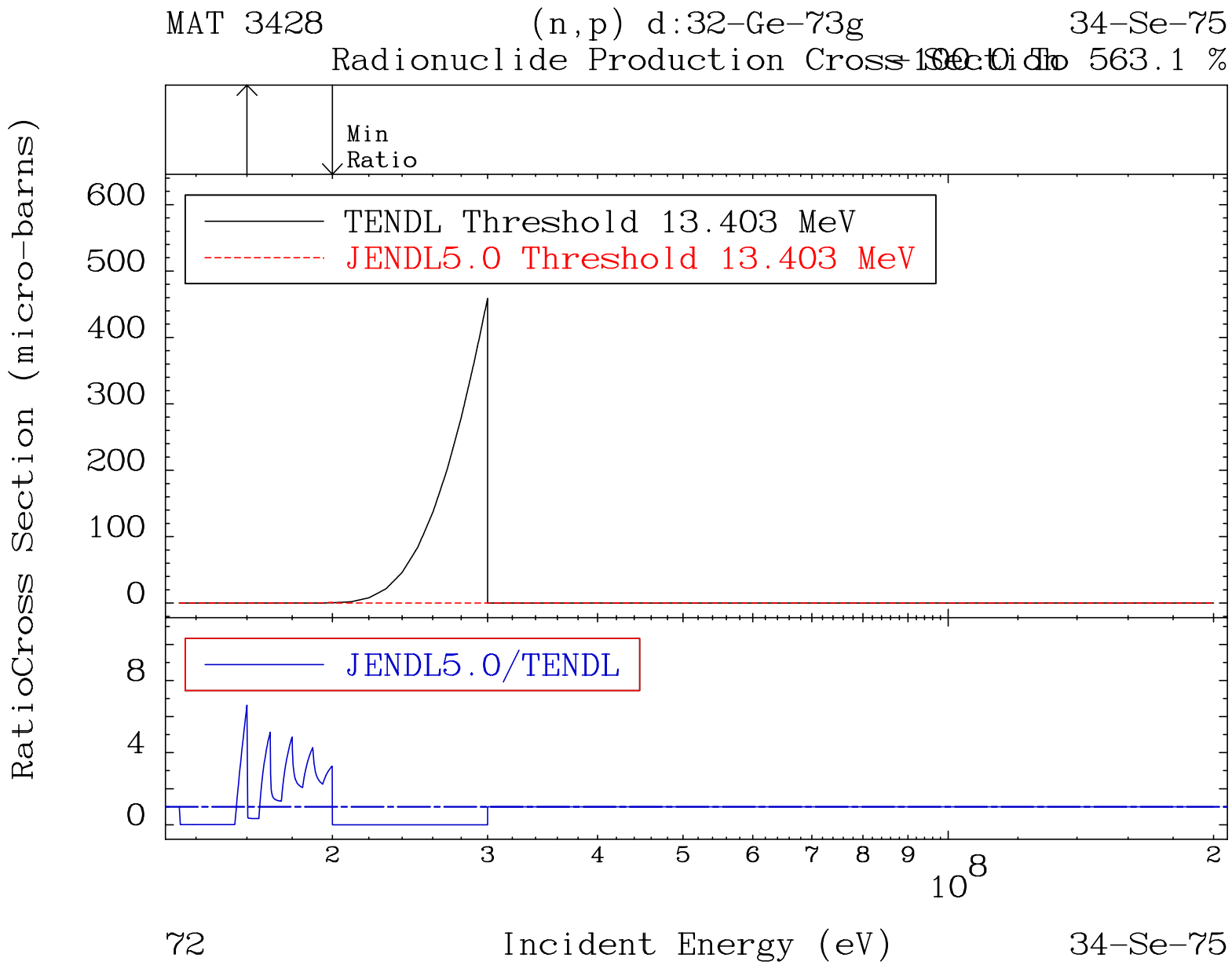

MAT 3428
Dpa elastic (mt2)
Cross Section
34-Se-75
-17.87 To 16.39 %
Max Ratio
Min Ratio
TENDL Threshold 500.00 eV
JENDL5.0 Threshold 450.00 eV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
67
34-Se-75

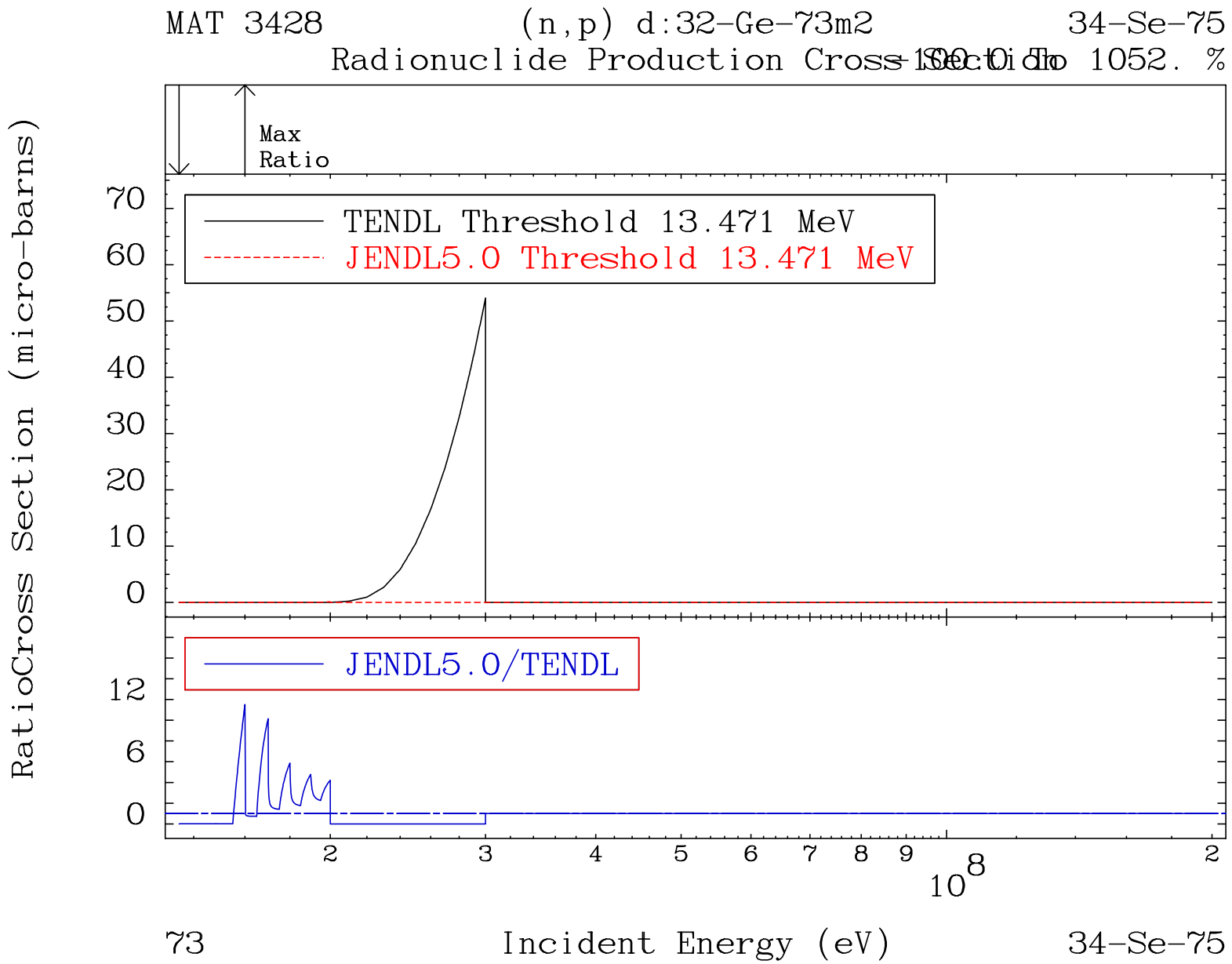

MAT 3428
Dpa inelastic (mt51-91)
34-Se-75
Cross Section
-100.0 To 152.4 %
Max Ratio
Min Ratio
TENDL Threshold 134.83 keV
JENDL5.0 Threshold 106.95 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
68
34-Se-75

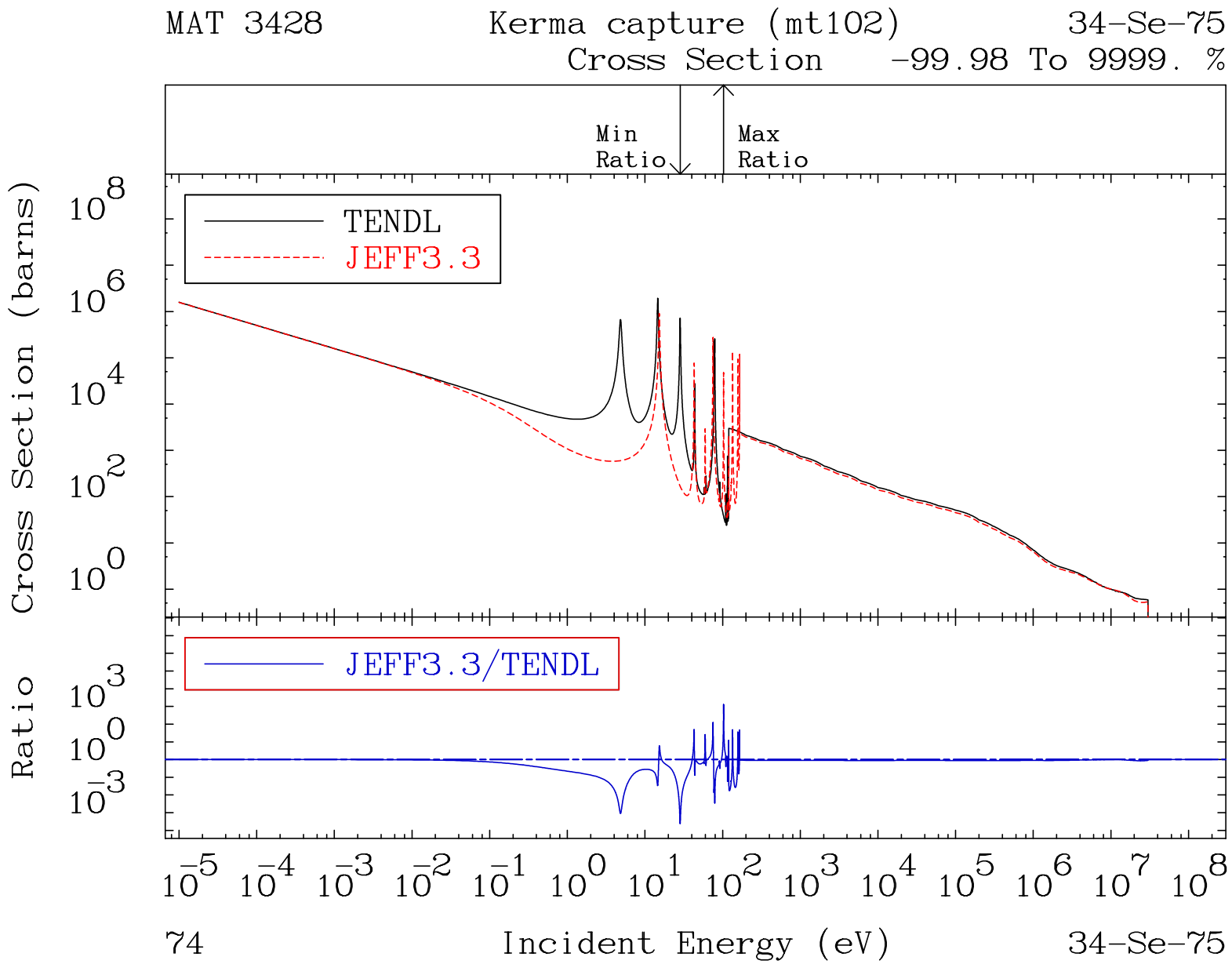

MAT 3428 Dpa disappearance (mt102 -120) 34-Se-75
Cross Section -100.0 To 450.4 %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
69
34-Se-75

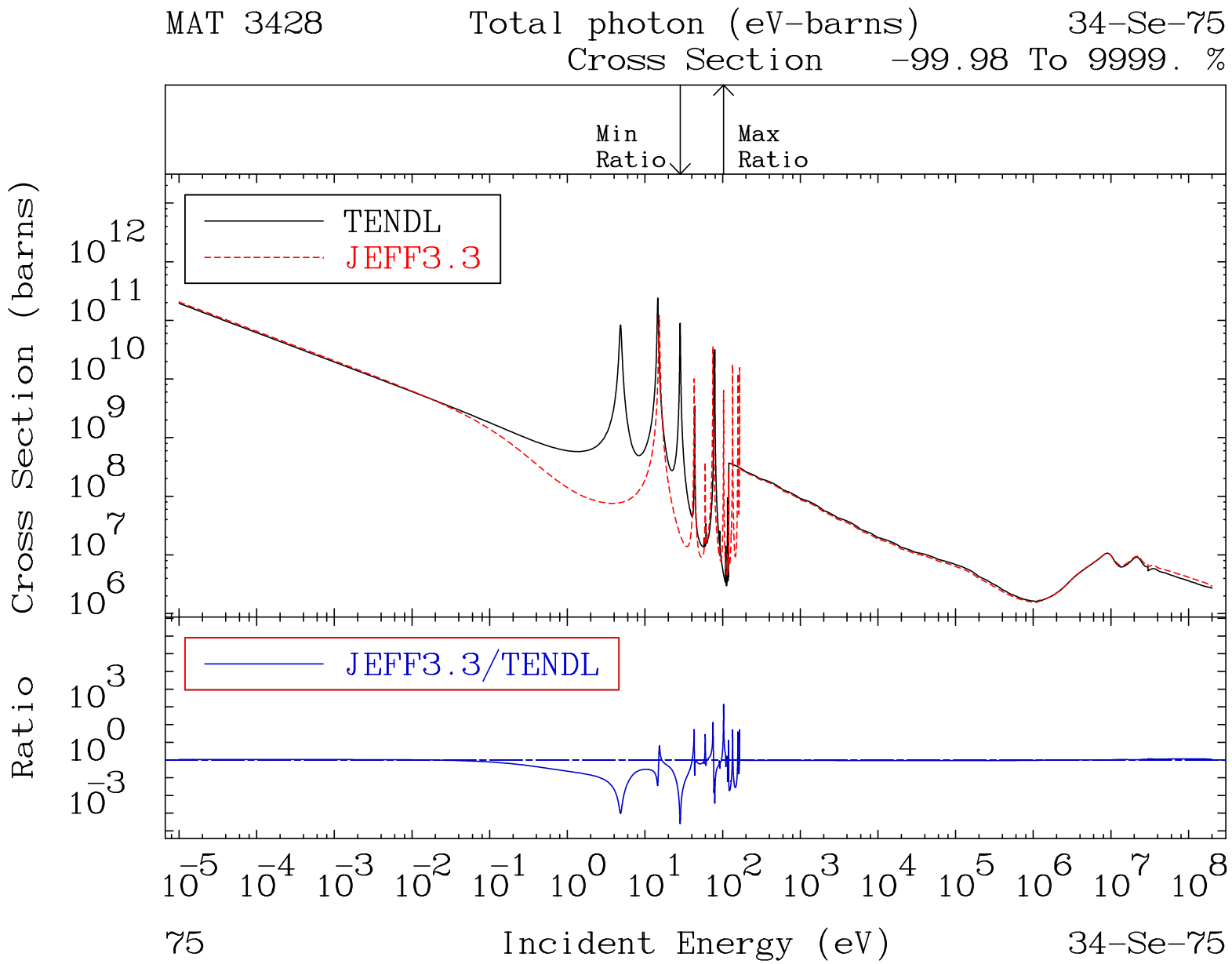

MAT 3428
(n,He-3):32-Ge-73g
34-Se-75
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 7.8359 MeV
JENDL5.0 Threshold 7.8359 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
70
34-Se-75

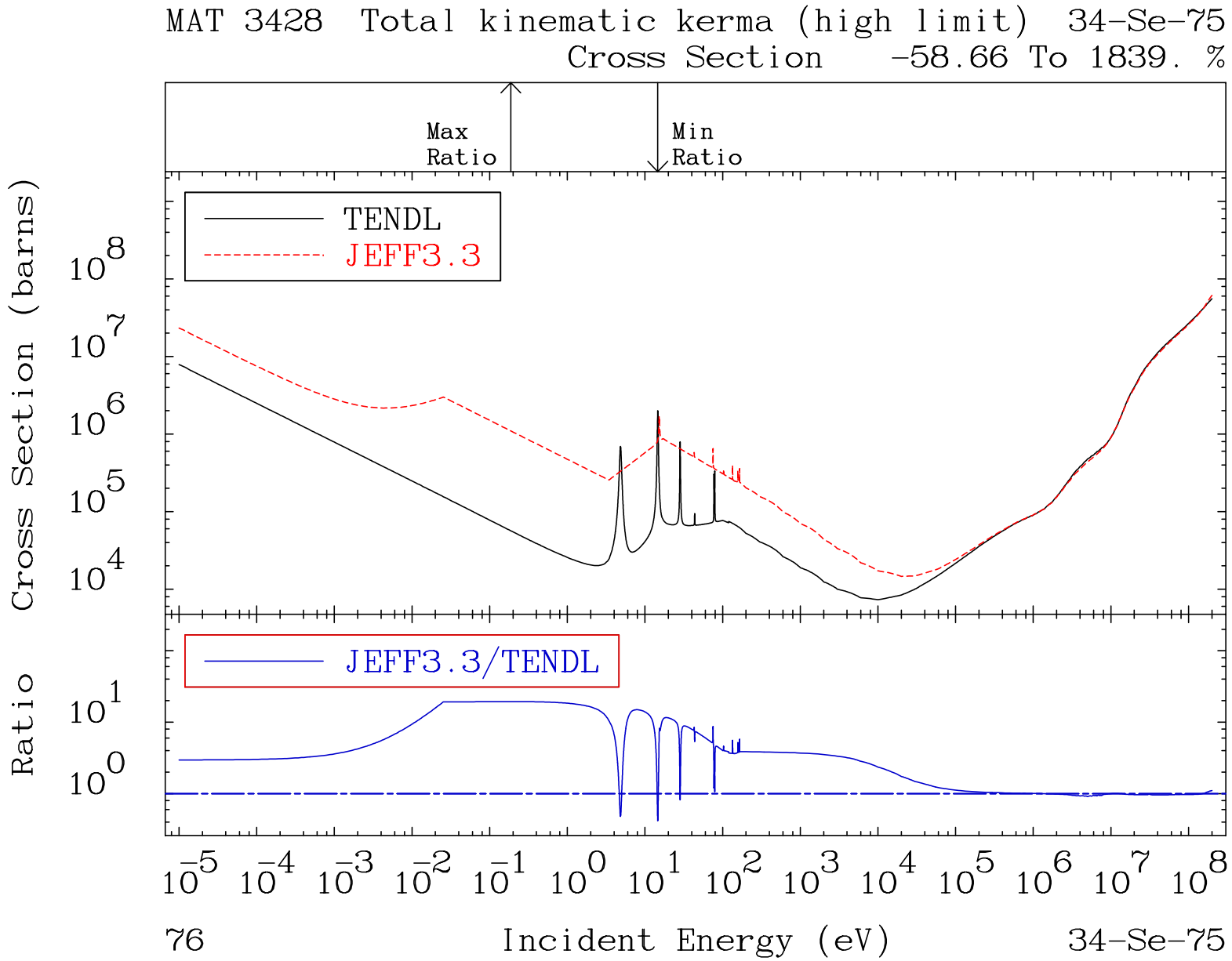

MAT 3428
(n,He-3):32-Ge-73m2
34-Se-75
Radionuclide Production Cross Section
Max Ratio
Min Ratio
TENDL Threshold 10.000 MeV
JENDL5.0 Threshold 7.9036 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
Incident Energy (eV)
71
34-Se-75

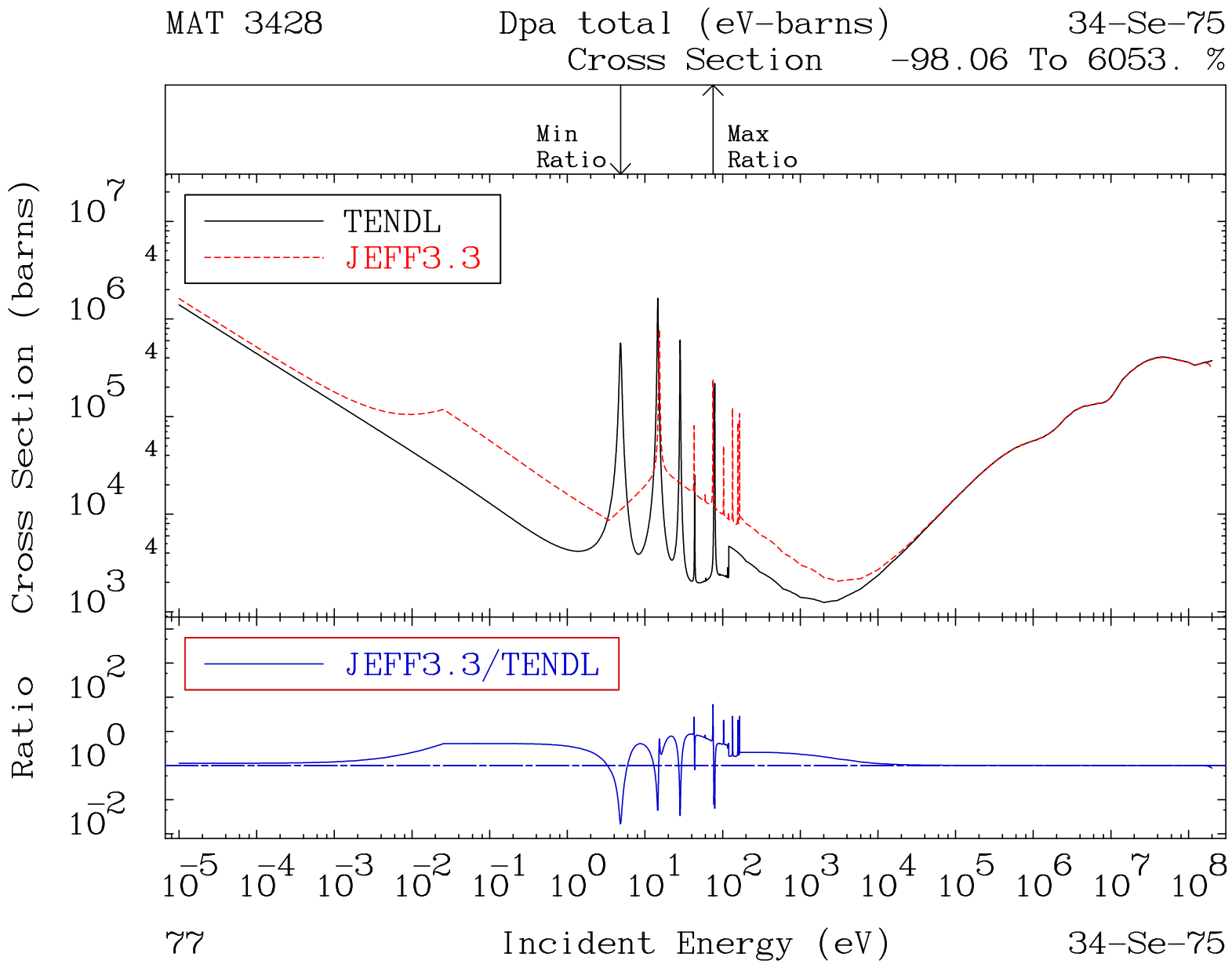

MAT 3428
(n,p) d:32-Ge-73g
34-Se-75
Radionuclide Production Cross Section To
Min
Ratio
600
500
400
300
200
100
0
TENDL Threshold 13.403 MeV
JENDL5.0 Threshold 13.403 MeV
8
4
0
JENDL5.0/TENDL
2
3
4
5
6
7
8
9
10^8
2
RatioCross Section (micro-barns)
72
Incident Energy (eV)
34-Se-75

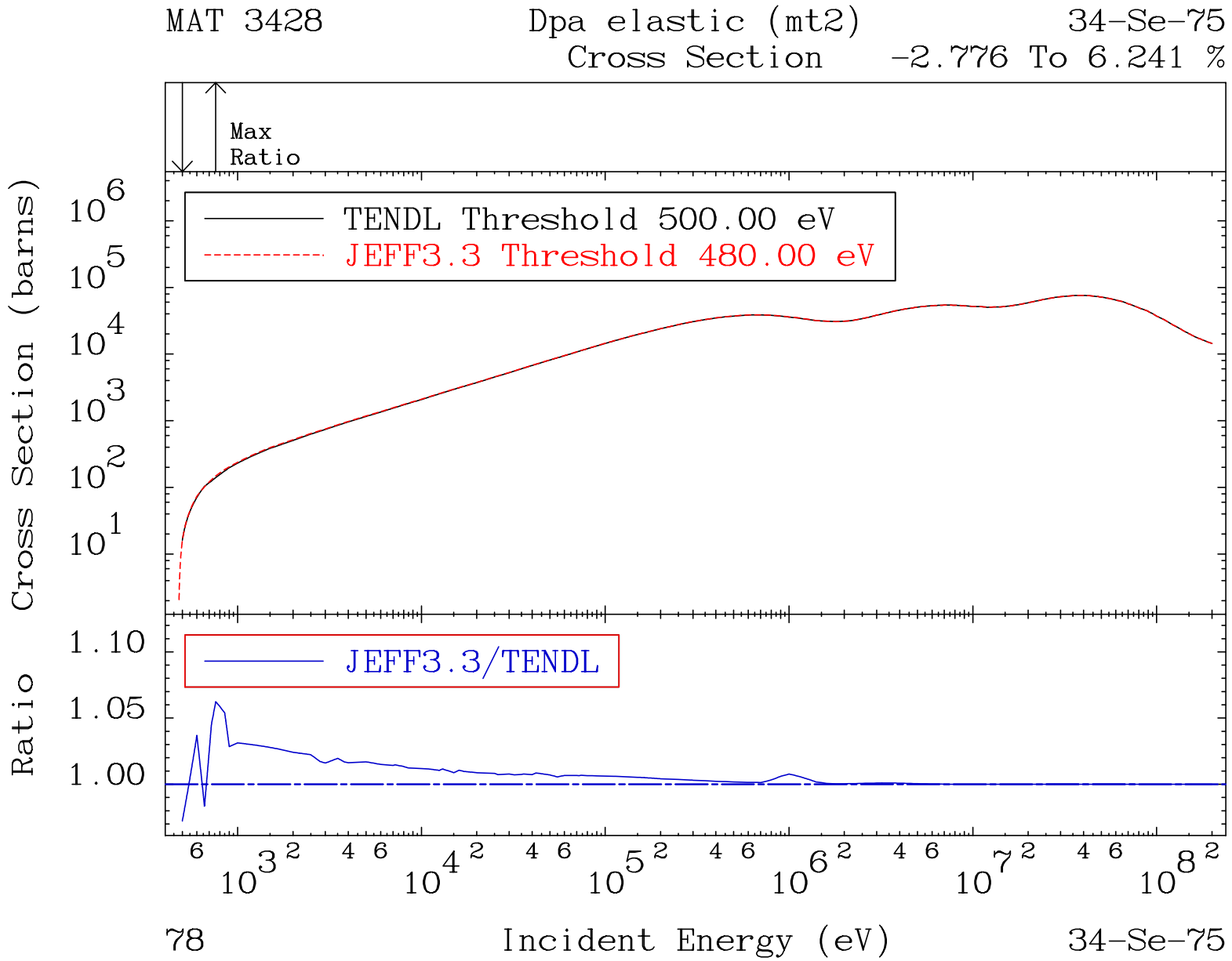

MAT 3428
(n,p) d:32-Ge-73m2
34-Se-75
Radionuclide Production Cross Section To
Max
Ratio
TENDL Threshold 13.471 MeV
JENDL5.0 Threshold 13.471 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
70
60
50
40
30
20
10
0
12
6
0
2
3
4
5
6
7
8
9
10^8
2
73
Incident Energy (eV)
34-Se-75

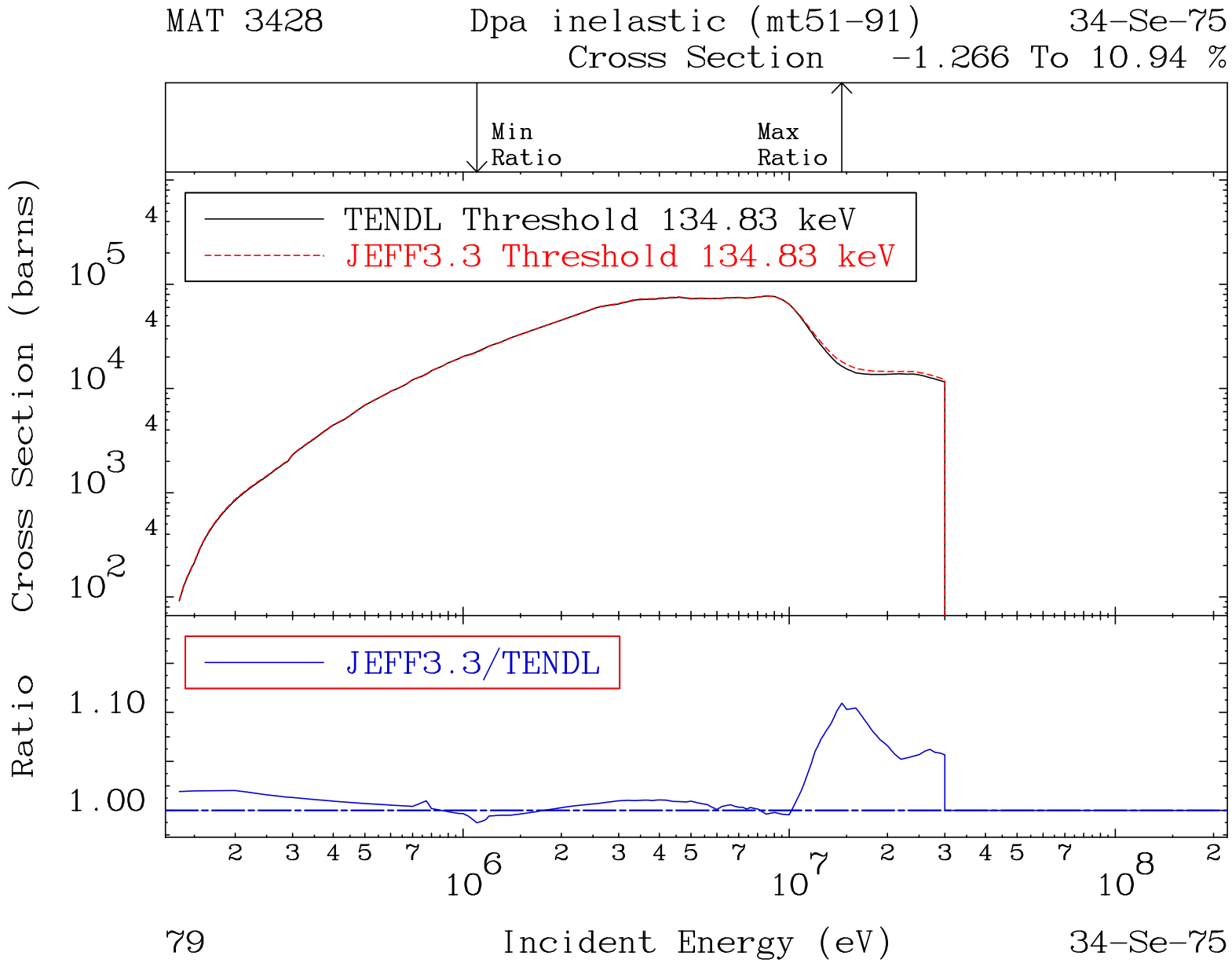

MAT 3428
Kerma capture (mt102)
34-Se-75
Cross Section -99.98 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
74
34-Se-75

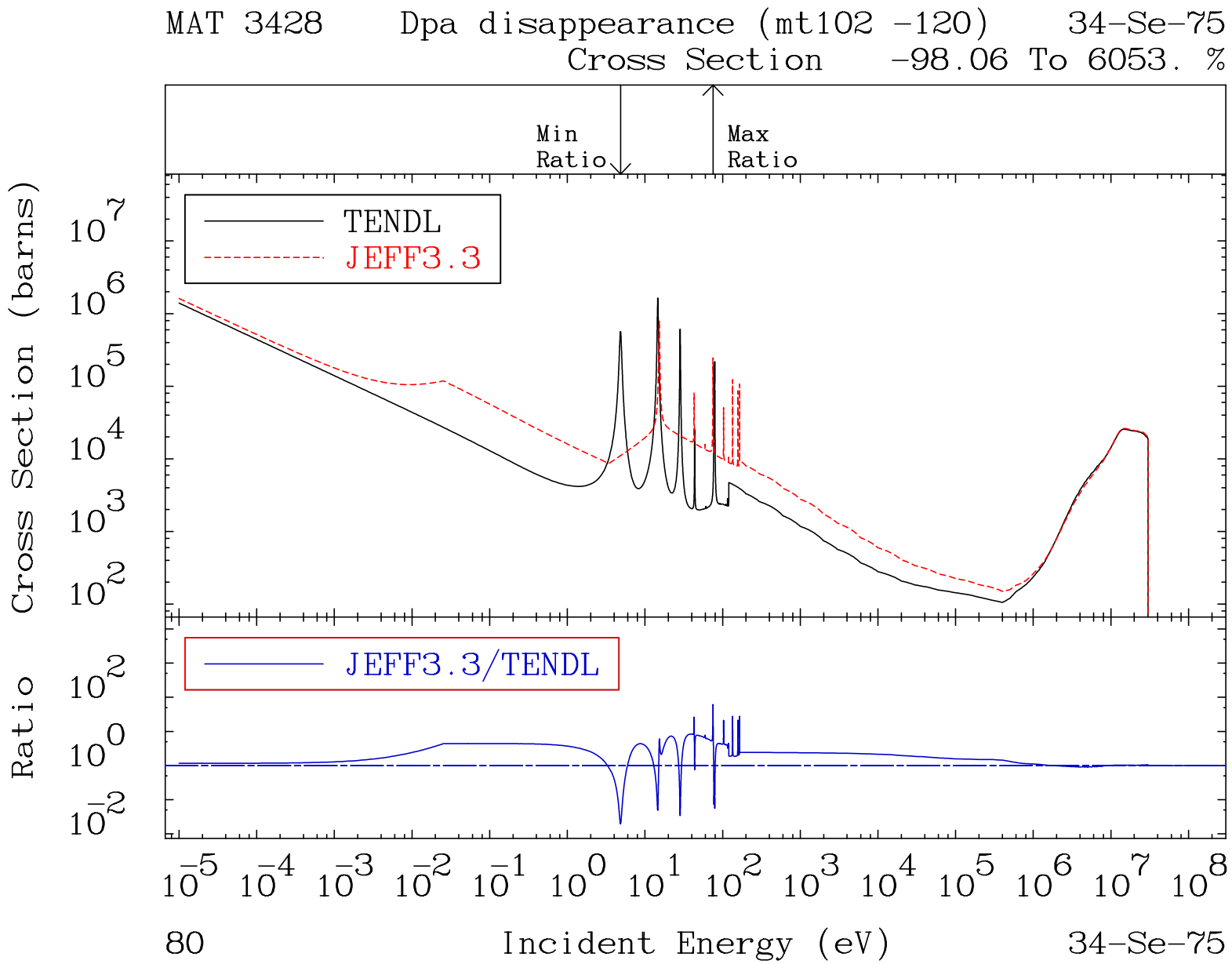

MAT 3428
Total photon (eV-barns)
34-Se-75
Cross Section -99.98 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
75
34-Se-75

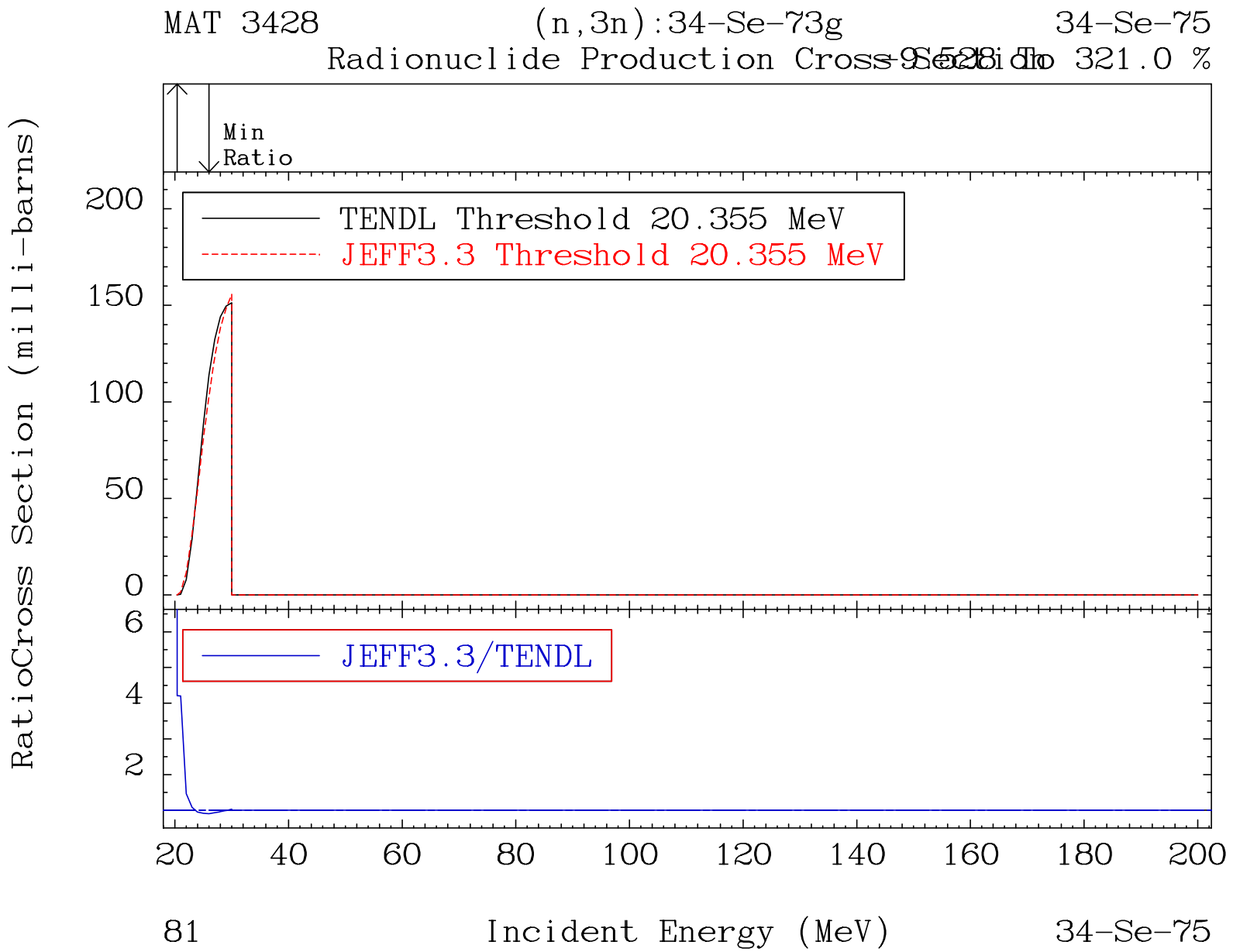

MAT 3428 Total kinematic kerma (high limit) 34-Se-75
Cross Section -58.66 To 1839. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
76
34-Se-75

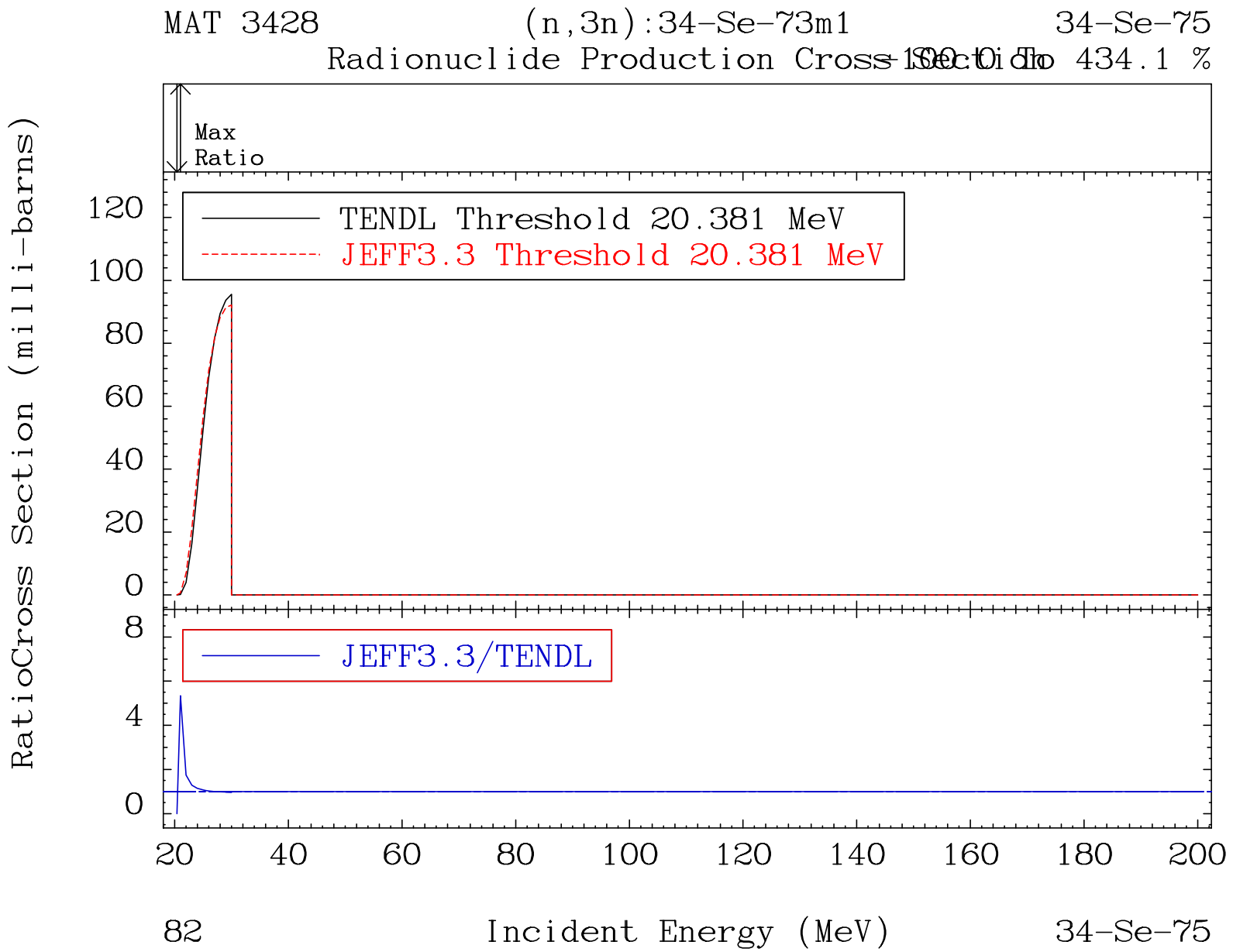

MAT 3428
Dpa total (eV-barns)
34-Se-75
Cross Section -98.06 To 6053. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
77
34-Se-75

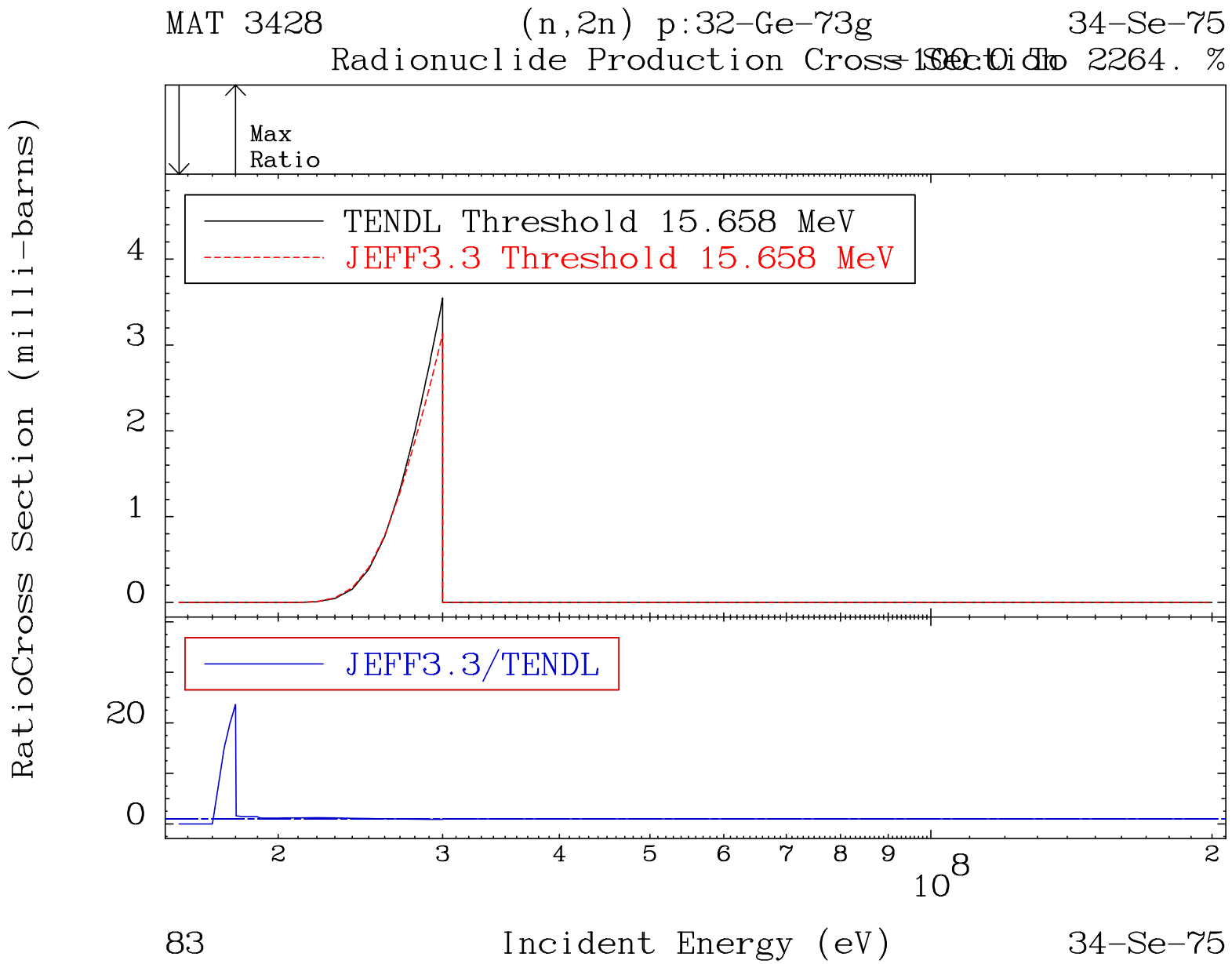

MAT 3428
Dpa elastic (mt2)
Cross Section
34-Se-75
-2.776 To 6.241 %
Max
Ratio
TENDL Threshold 500.00 eV
JEFF3.3 Threshold 480.00 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
78
34-Se-75

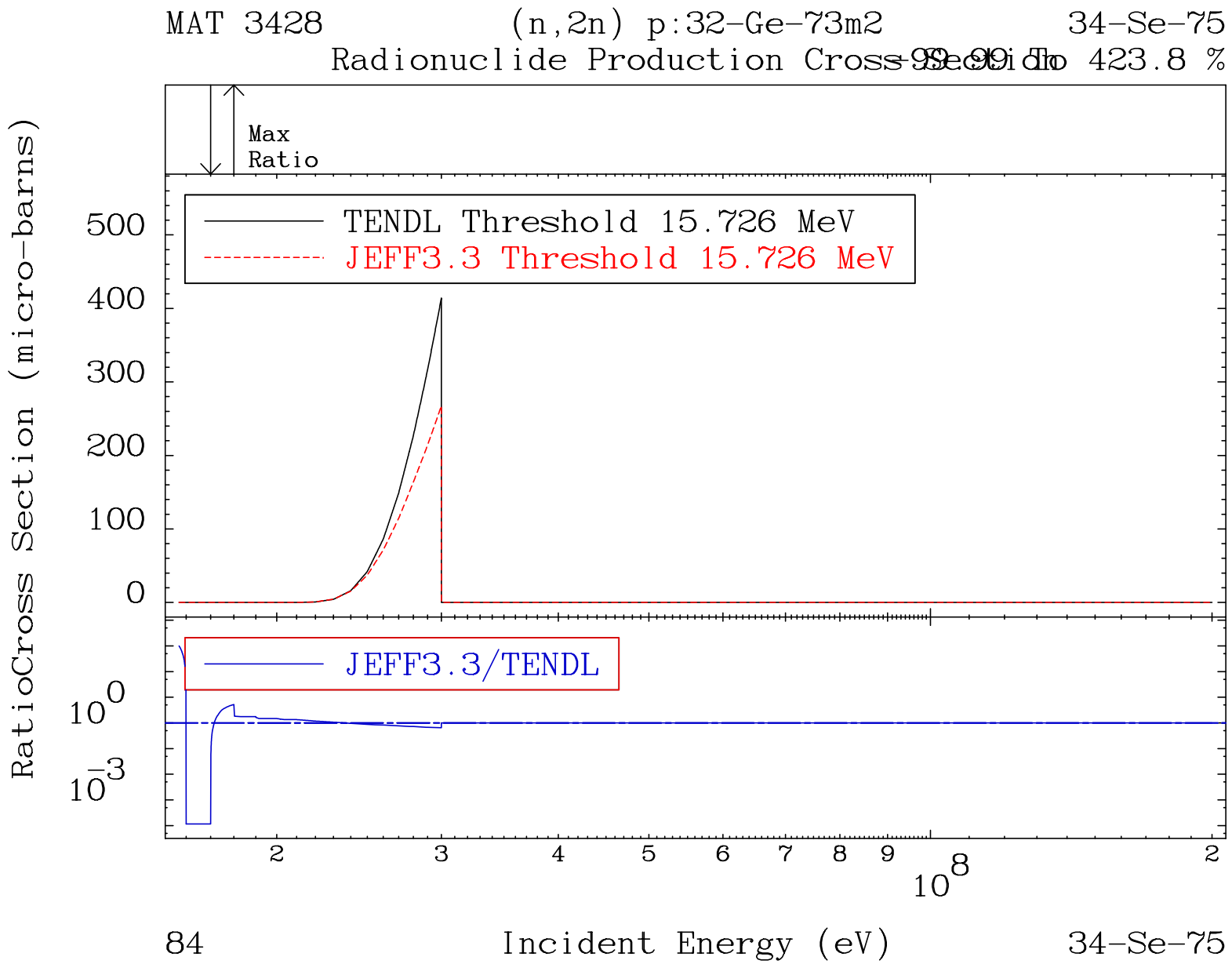

MAT 3428
Dpa inelastic (mt51-91)
34-Se-75
Cross Section
-1.266 To 10.94 %
Min Ratio
Max Ratio
TENDL Threshold 134.83 keV
JEFF3.3 Threshold 134.83 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
1.10
1.00
Incident Energy (eV)
79
34-Se-75

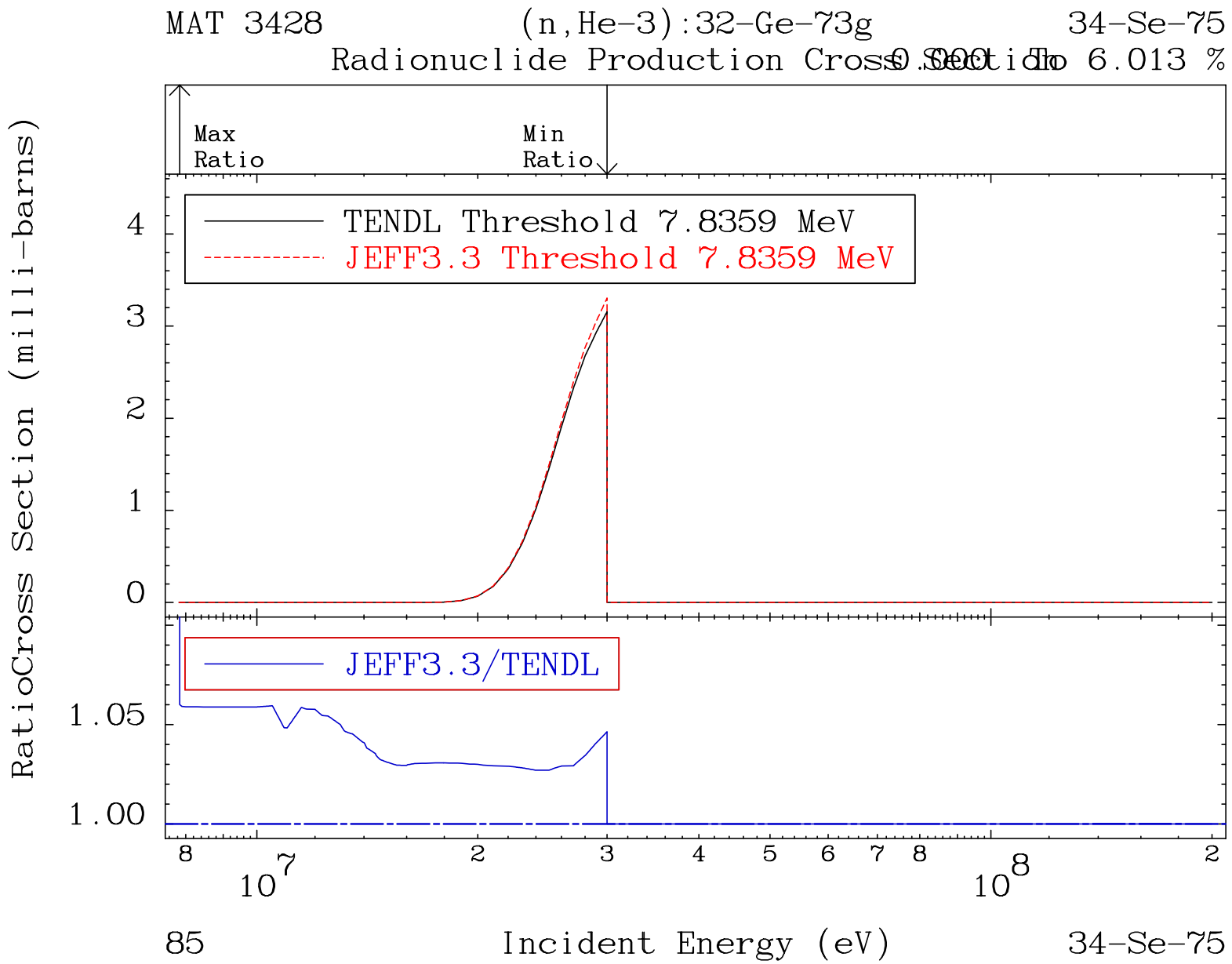

MAT 3428 Dpa disappearance (mt102 -120) 34-Se-75
Cross Section -98.06 To 6053. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
80
34-Se-75

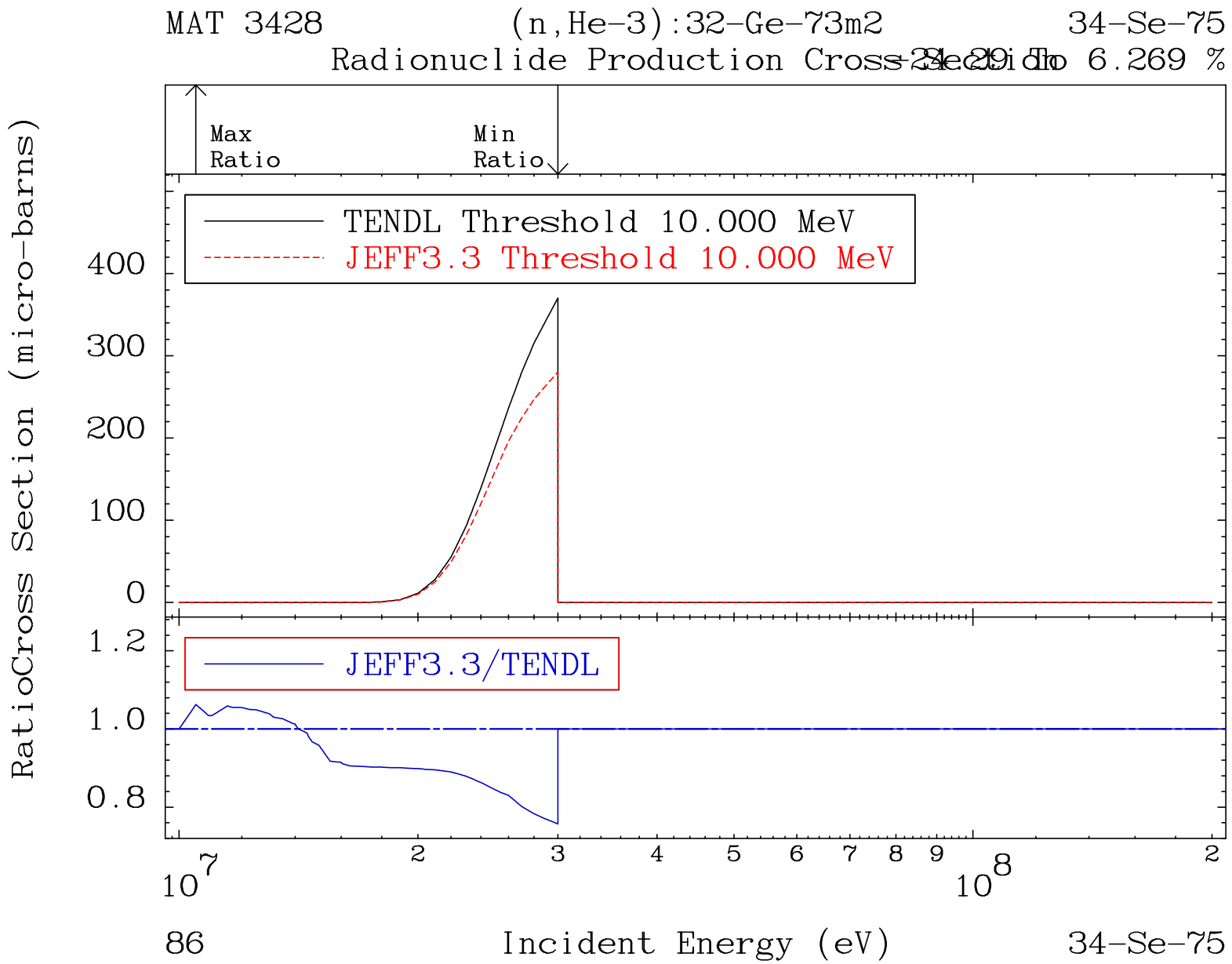

MAT 3428
(n,3n):34-Se-73g
34-Se-75
Radionuclide Production Cross Section
Min
Ratio
TENDL Threshold 20.355 MeV
JEFF3.3 Threshold 20.355 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (MeV)
81
34-Se-75

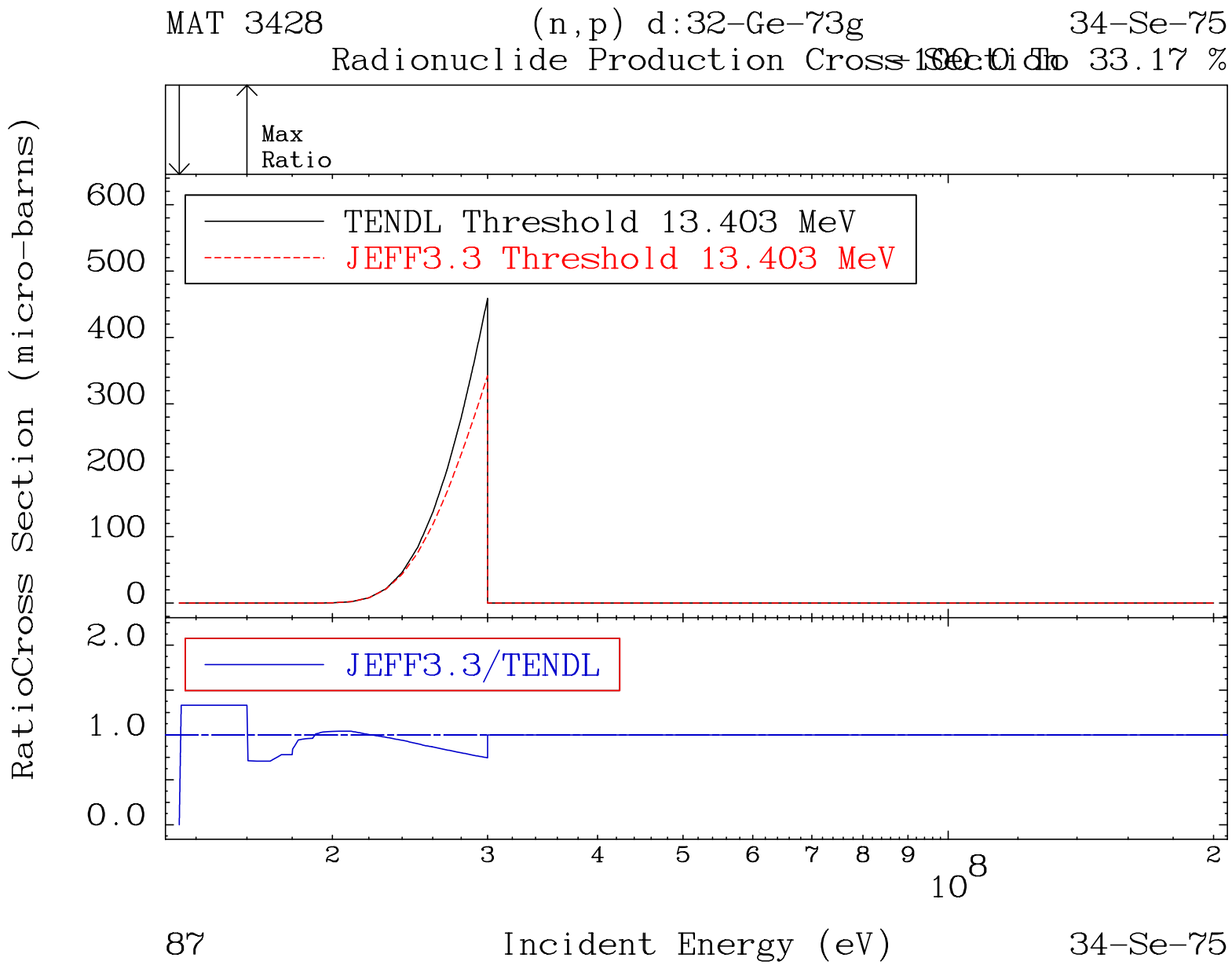

MAT 3428
(n,3n):34-Se-73m1
34-Se-75
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 20.381 MeV
JEFF3.3 Threshold 20.381 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (MeV)
82
34-Se-75

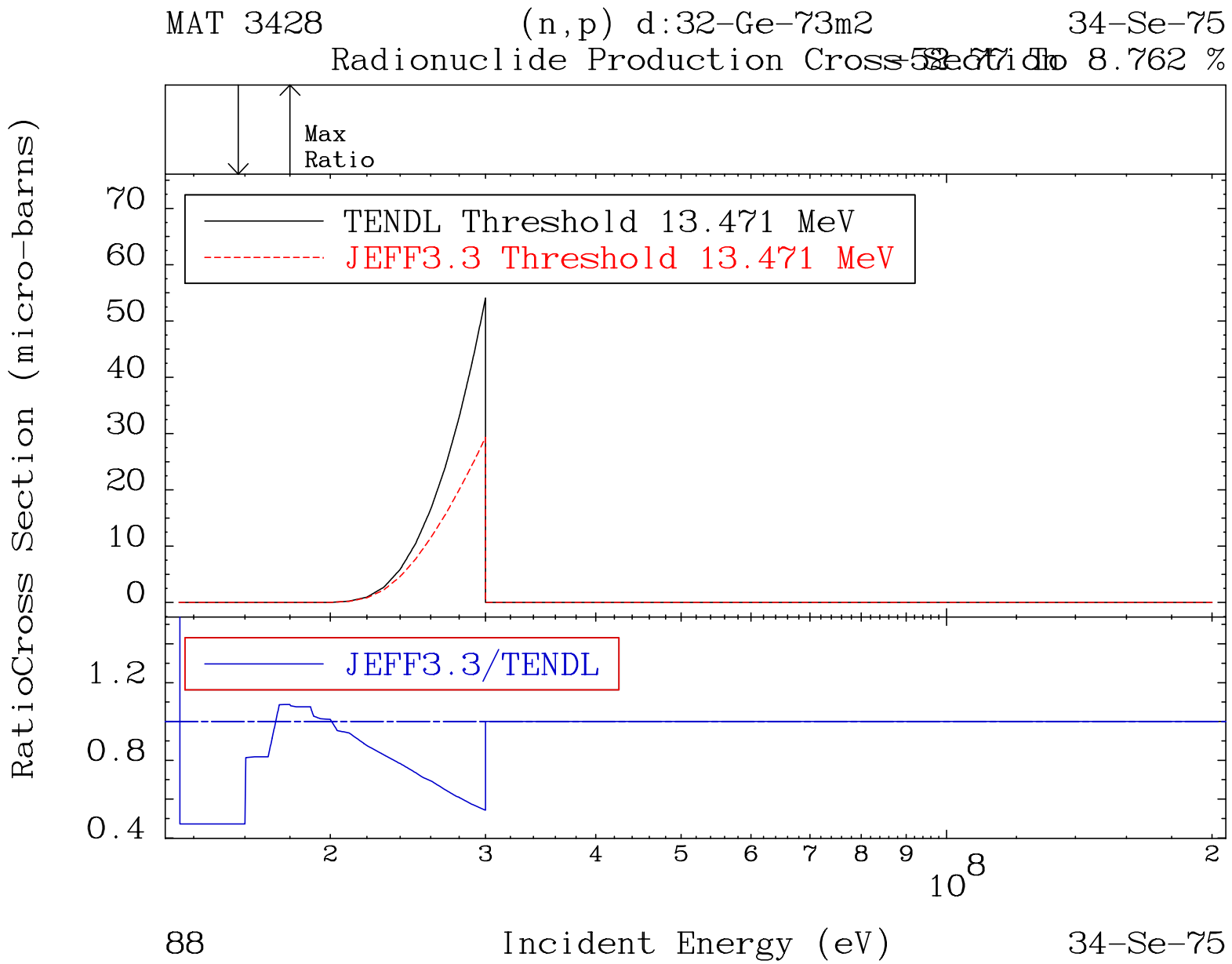

MAT 3428
(n,2n) p:32-Ge-73g
34-Se-75
Radionuclide Production Cross Section To 2264. %
Max
Ratio
TENDL Threshold 15.658 MeV
JEFF3.3 Threshold 15.658 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
20
0
2
3
4
5
6
7
8
9
10^8
2
83
Incident Energy (eV)
34-Se-75


MAT 3428
(n,2n) p:32-Ge-73m2
34-Se-75
Radionuclide Production Cross Section To 423.8 %
Max
Ratio
TENDL Threshold 15.726 MeV
JEFF3.3 Threshold 15.726 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
500
400
300
200
100
0
10^0
10^-3
2
3
4
5
6
7
8
9
10^8
2
84
Incident Energy (eV)
34-Se-75


MAT 3428
(n,He-3):32-Ge-73g
34-Se-75
Radionuclide Production Cross Section
0.000 To 6.013 %
Max Ratio
Min Ratio
TENDL Threshold 7.8359 MeV
JEFF3.3 Threshold 7.8359 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
4
3
2
1
0
1.05
1.00
8
10^7
2
3
4
5
6
7
8
10^8
2
85
Incident Energy (eV)
34-Se-75


MAT 3428
(n,He-3):32-Ge-73m2
34-Se-75
Radionuclide Production Cross-Section To 6.269 %
Max Ratio
Min Ratio
TENDL Threshold 10.000 MeV
JEFF3.3 Threshold 10.000 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
400
300
200
100
0
1.2
1.0
0.8
10^7
2
3
4
5
6
7
8
9
10^8
2
86
Incident Energy (eV)
34-Se-75


MAT 3428
(n,p) d:32-Ge-73g
34-Se-75
Radionuclide Production Cross Section To 33.17 %
Max
Ratio
TENDL Threshold 13.403 MeV
JEFF3.3 Threshold 13.403 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
600
500
400
300
200
100
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
87
Incident Energy (eV)
34-Se-75


MAT 3428 (n,p) d:32-Ge-73m2 34-Se-75
Radionuclide Production Cross Section To 8.762 %
Max
Ratio
TENDL Threshold 13.471 MeV
JEFF3.3 Threshold 13.471 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
70
60
50
40
30
20
10
0
1.2
0.8
0.4
2
3
4
5
6
7
8
9
10^8
2
88
Incident Energy (eV)
34-Se-75