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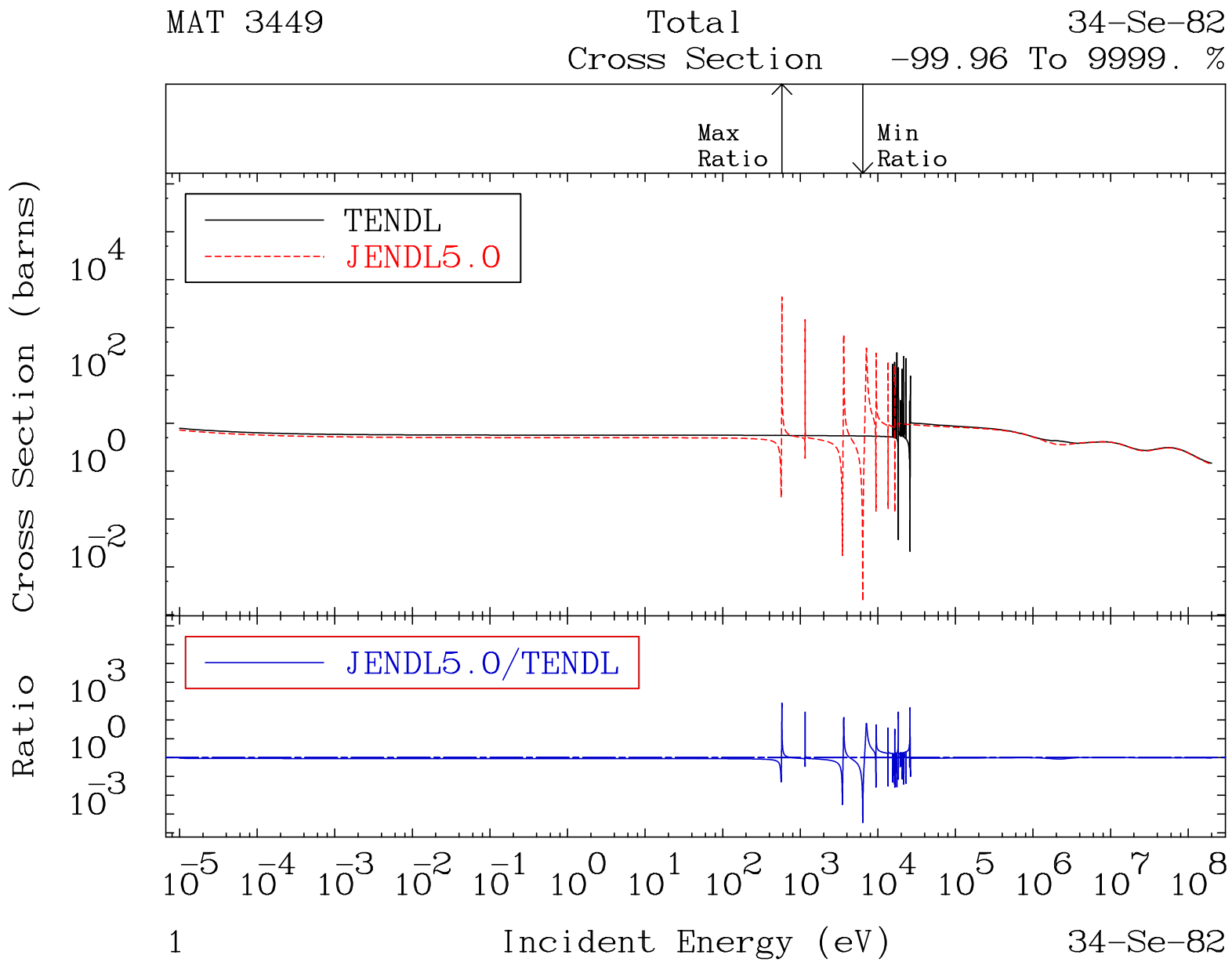
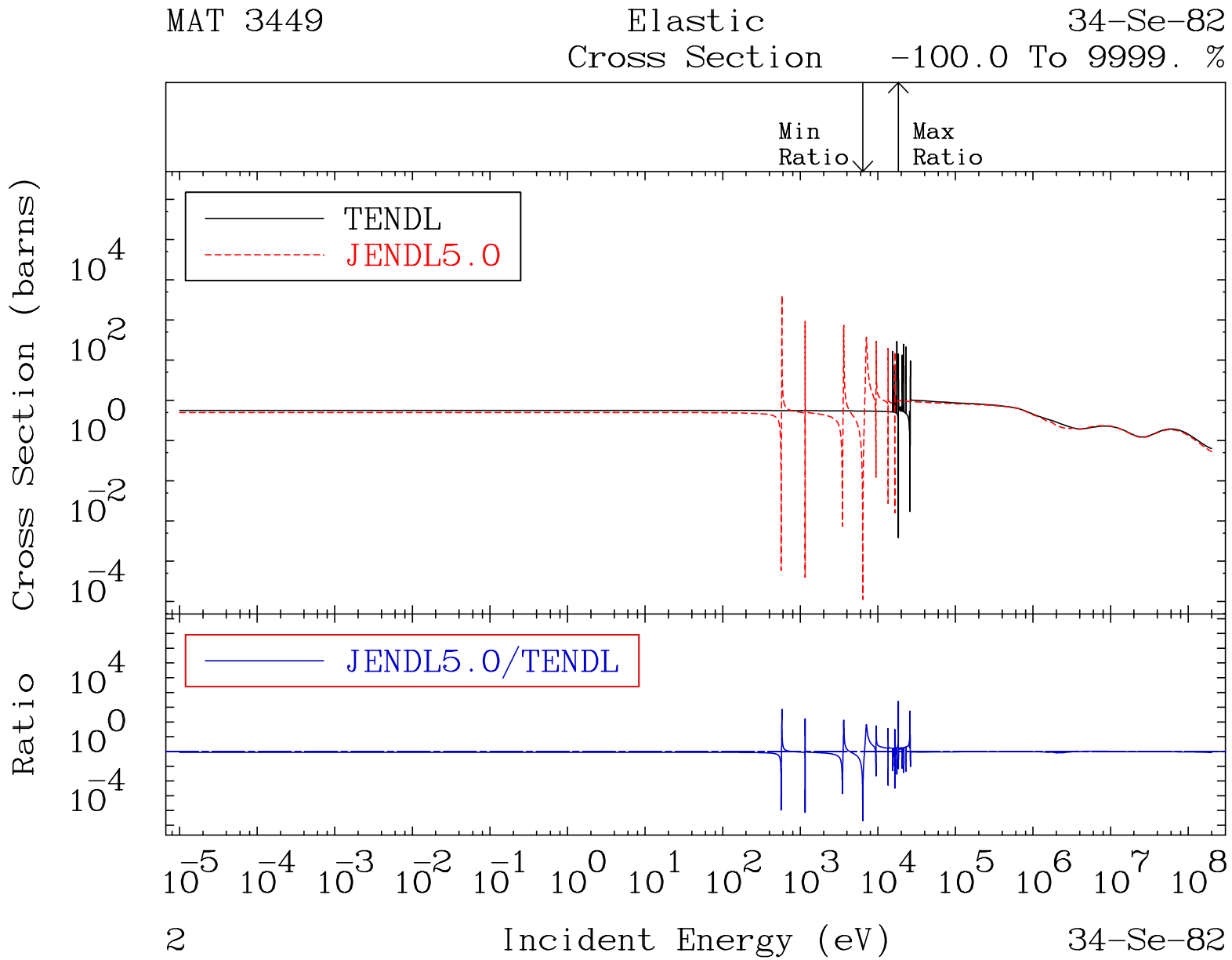
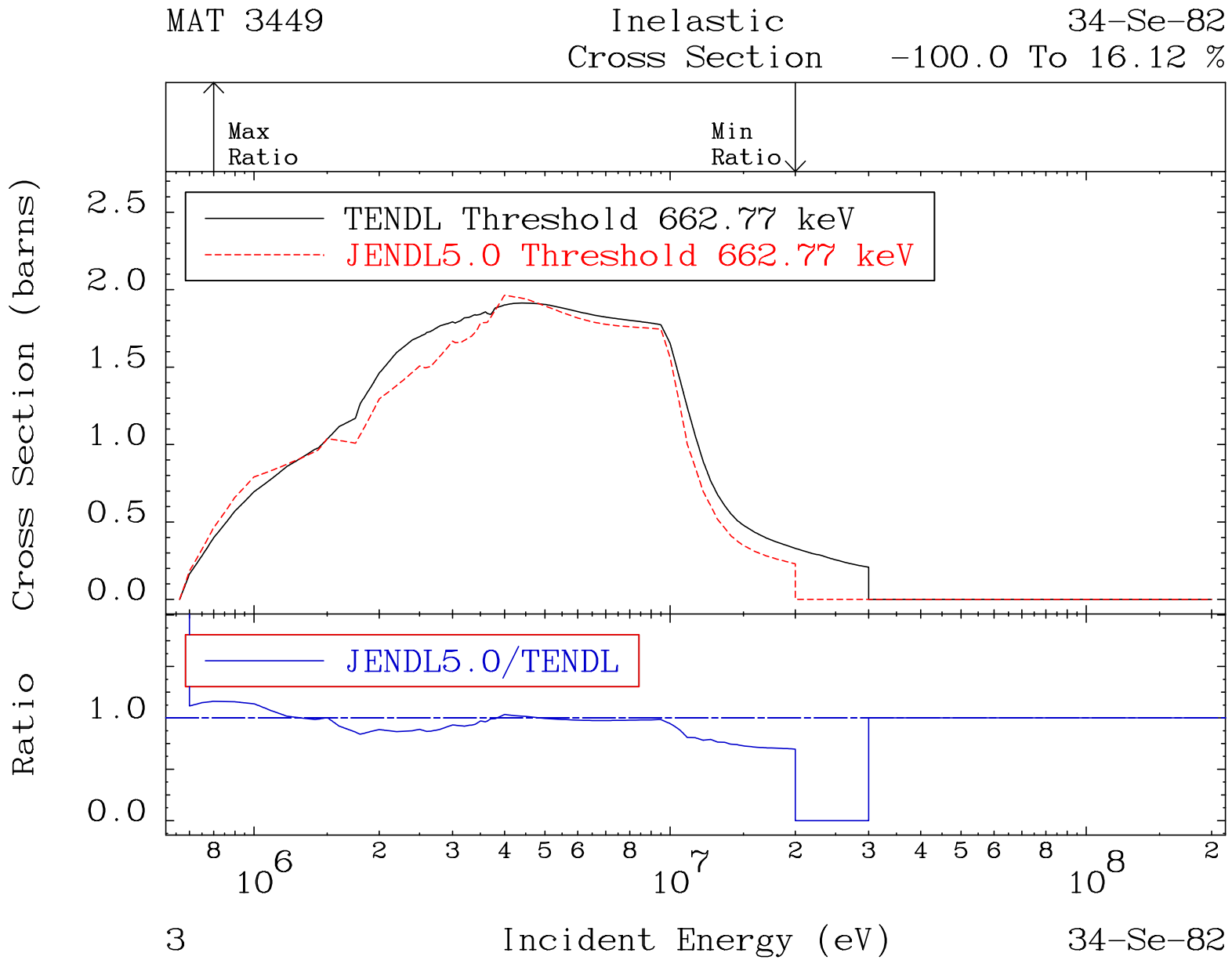
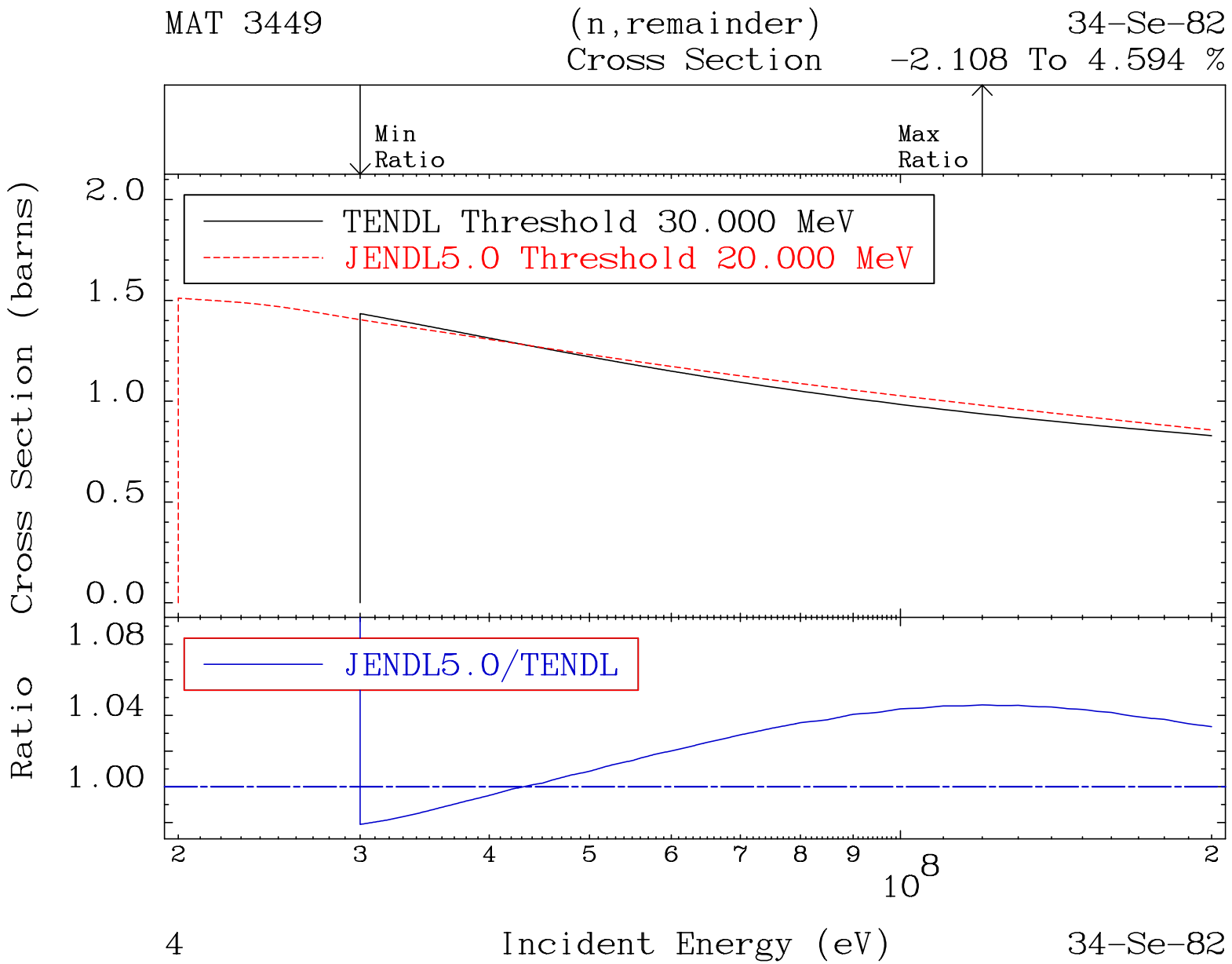
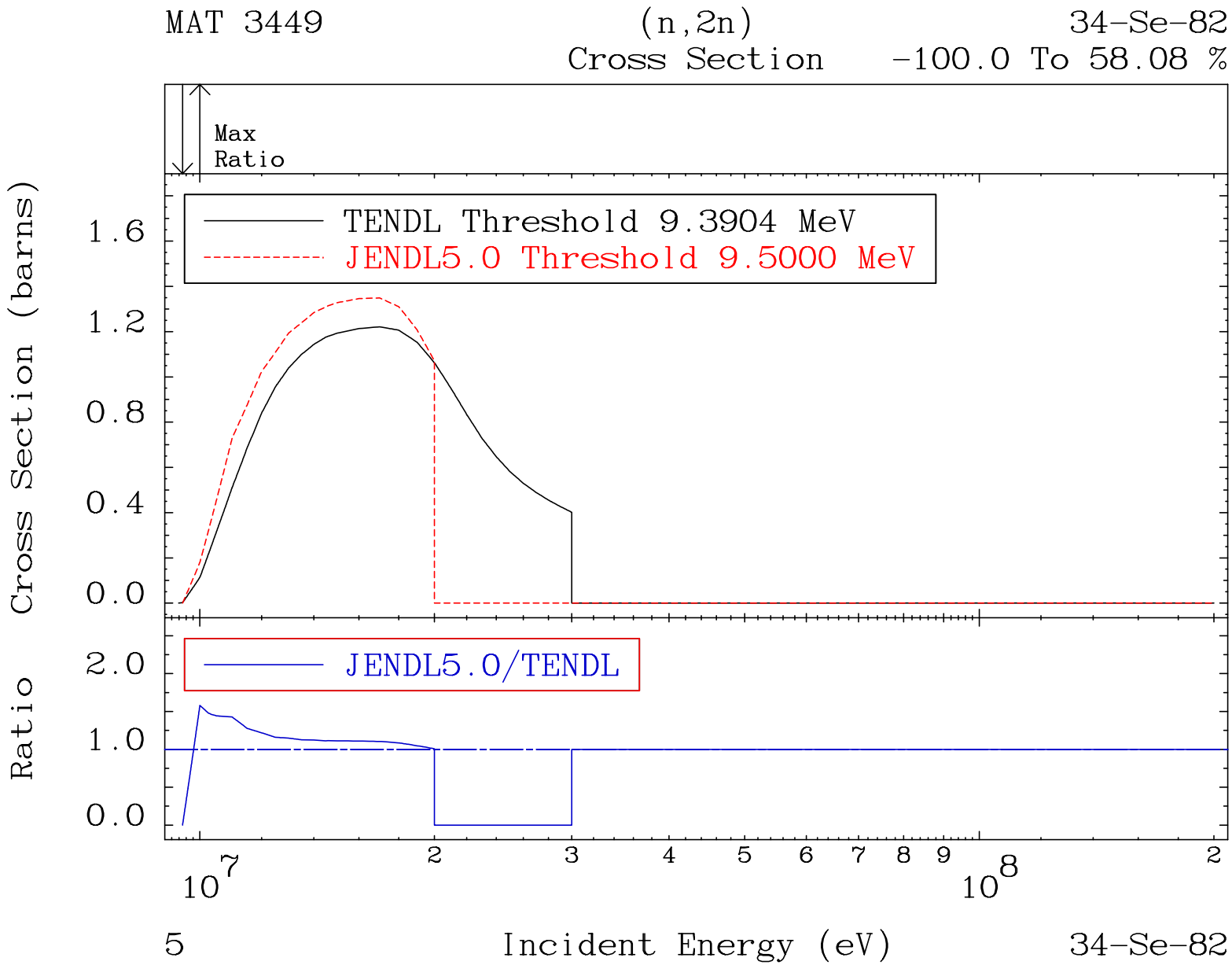
Press Mouse Button to Start

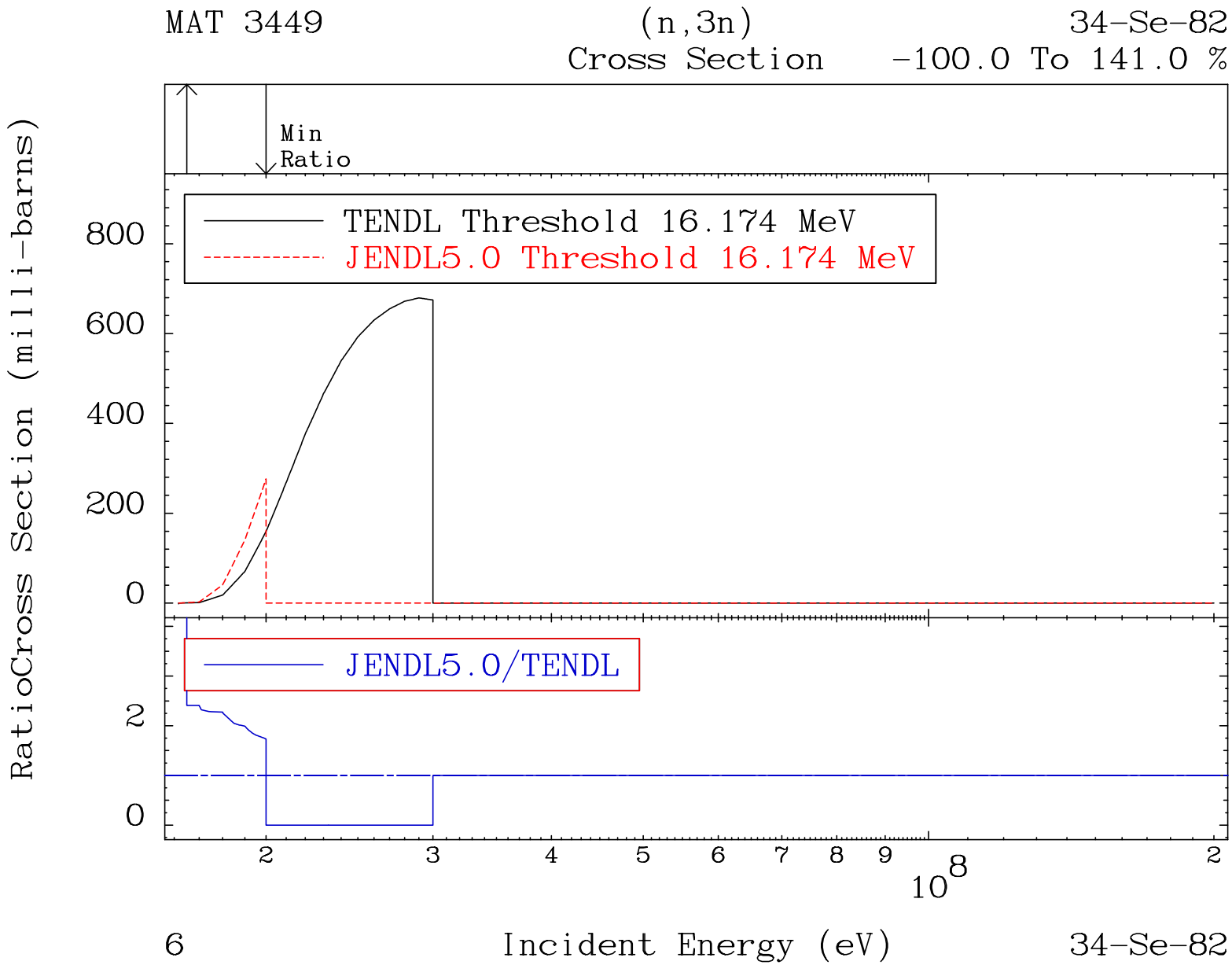

MAT 3449
Total
Cross Section
34-Se-82
-99.96 To 9999. %
Max
Ratio
Min
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
1
34-Se-82

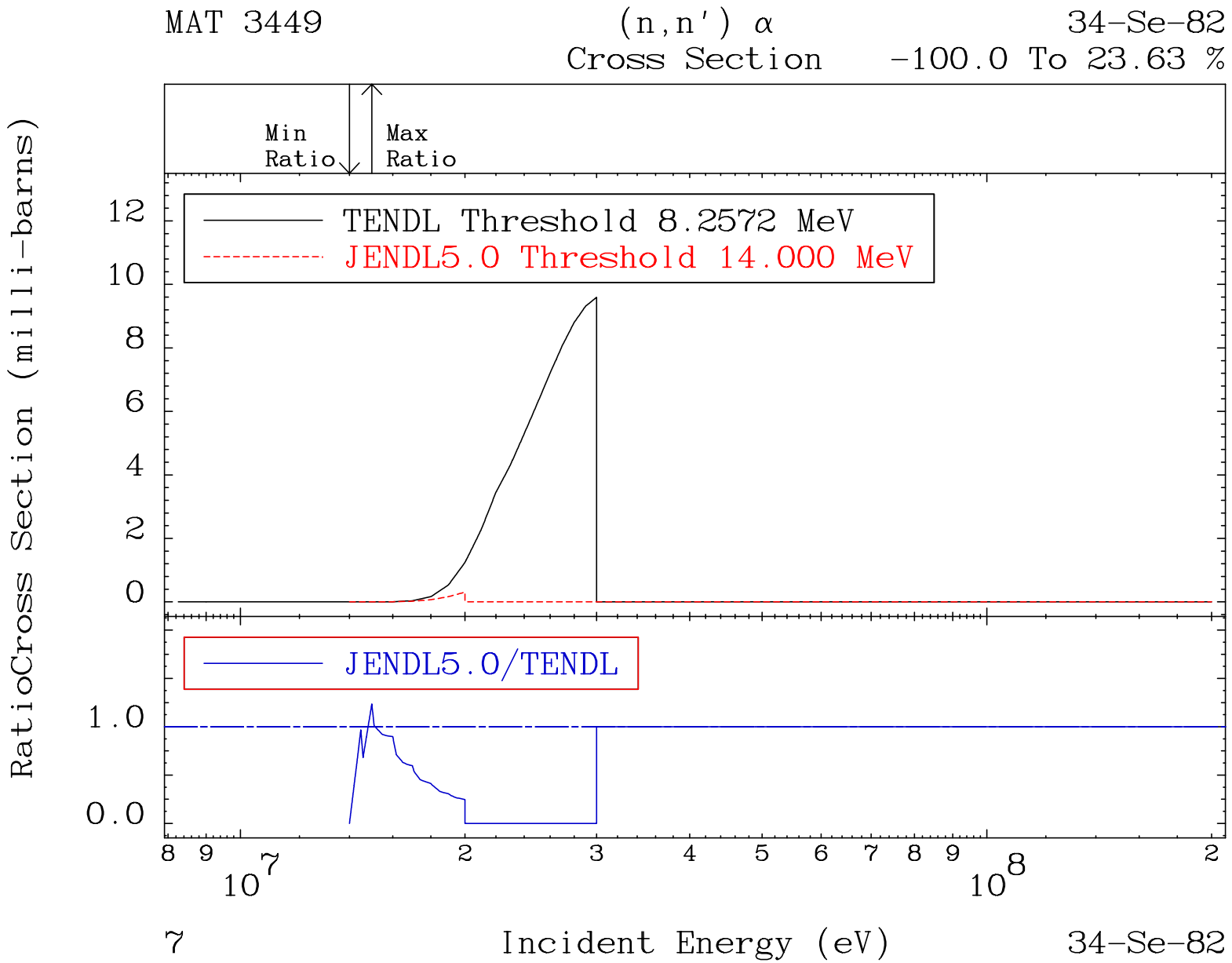

MAT 3449
Elastic
Cross Section
34-Se-82
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
2
34-Se-82

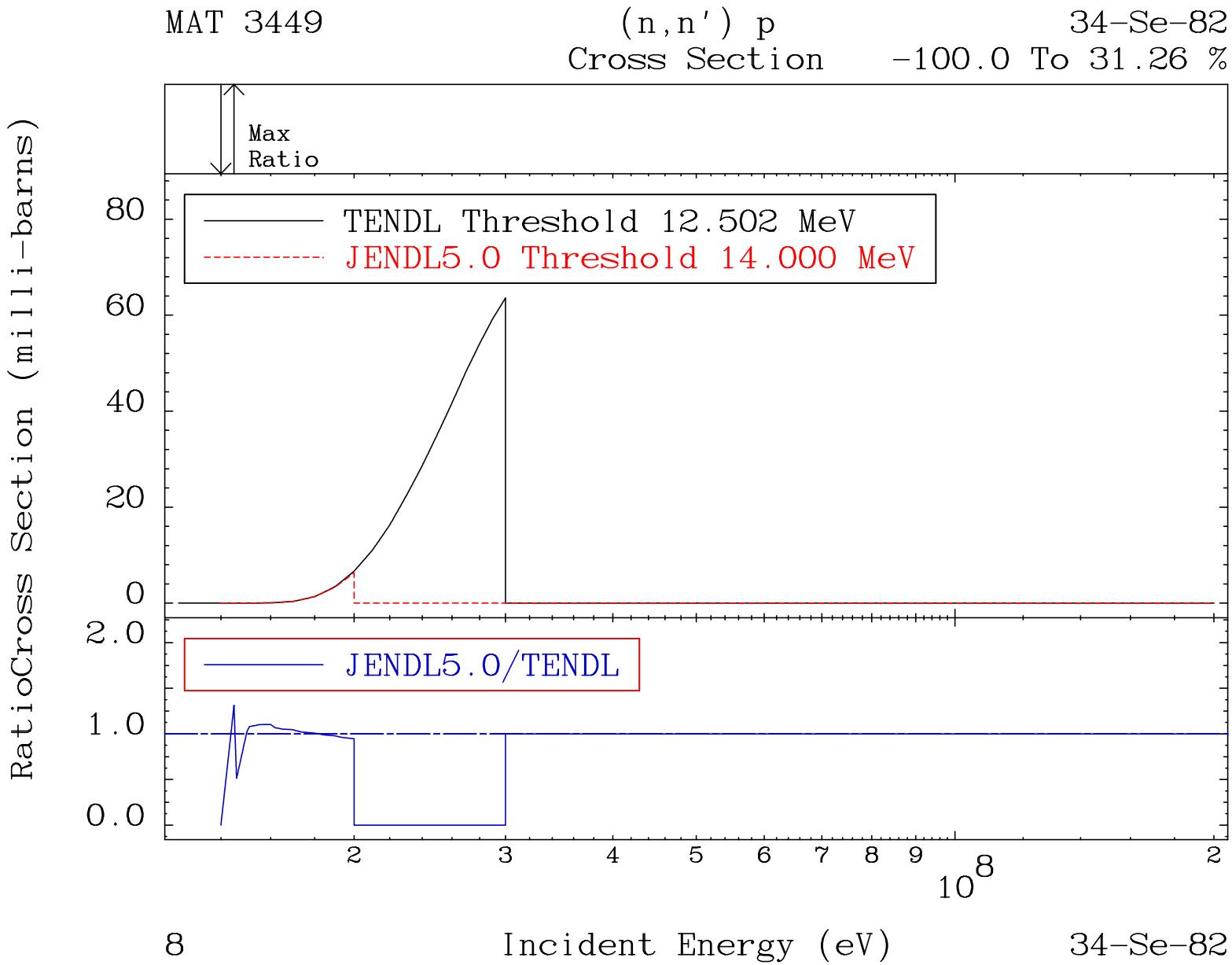

MAT 3449
Inelastic
Cross Section
34-Se-82
-100.0 To 16.12 %
Max
Ratio
Min
Ratio
TENDL Threshold 662.77 keV
JENDL5.0 Threshold 662.77 keV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.5
2.0
1.5
1.0
0.5
0.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
3
Incident Energy (eV)
34-Se-82

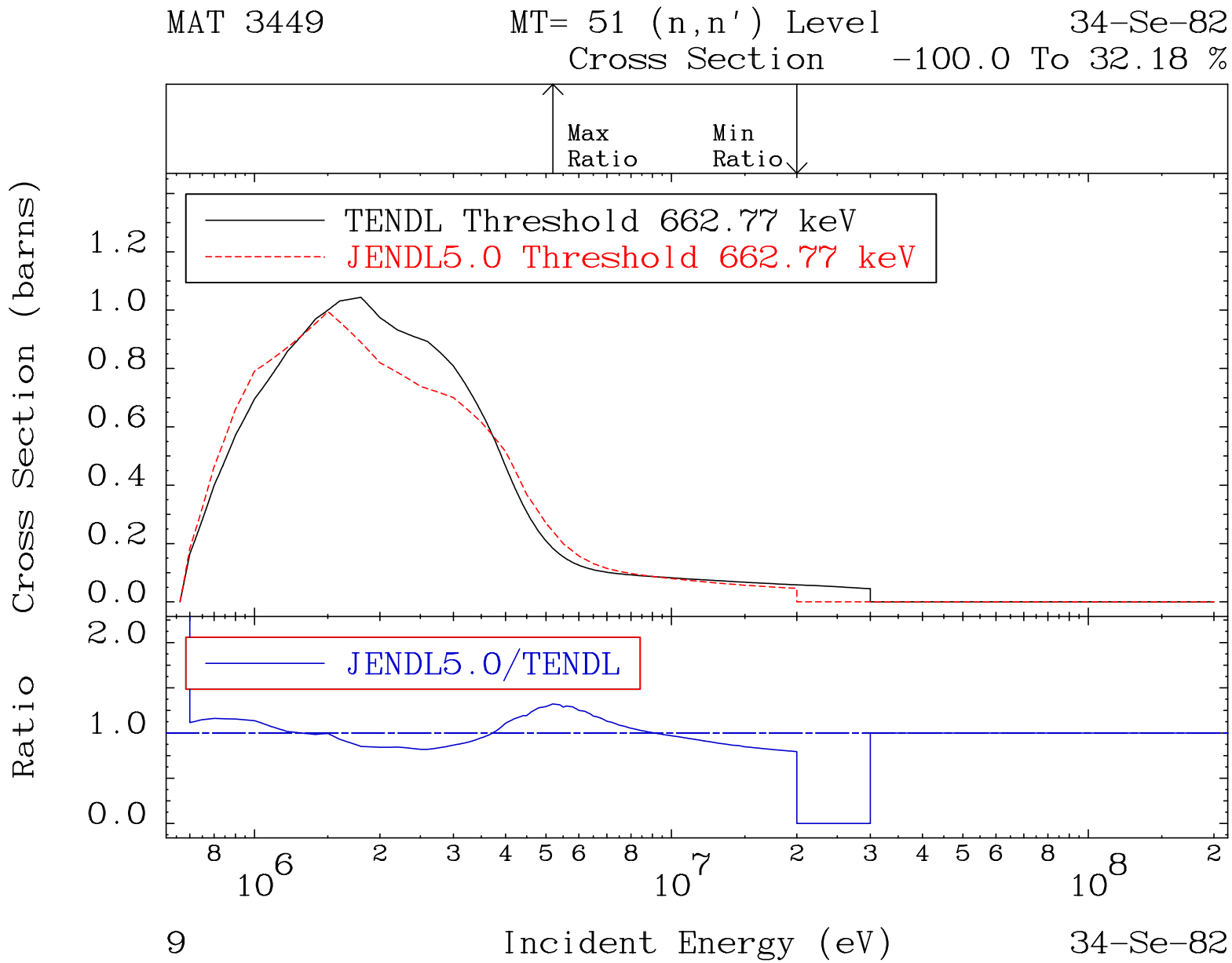

MAT 3449
(n,remainder)
Cross Section
34-Se-82
-2.108 To 4.594 %
Min
Ratio
Max
Ratio
TENDL Threshold 30.000 MeV
JENDL5.0 Threshold 20.000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
1.08
1.04
1.00
2
3
4
5
6
7
8
9
2
10^8
4
Incident Energy (eV)
34-Se-82

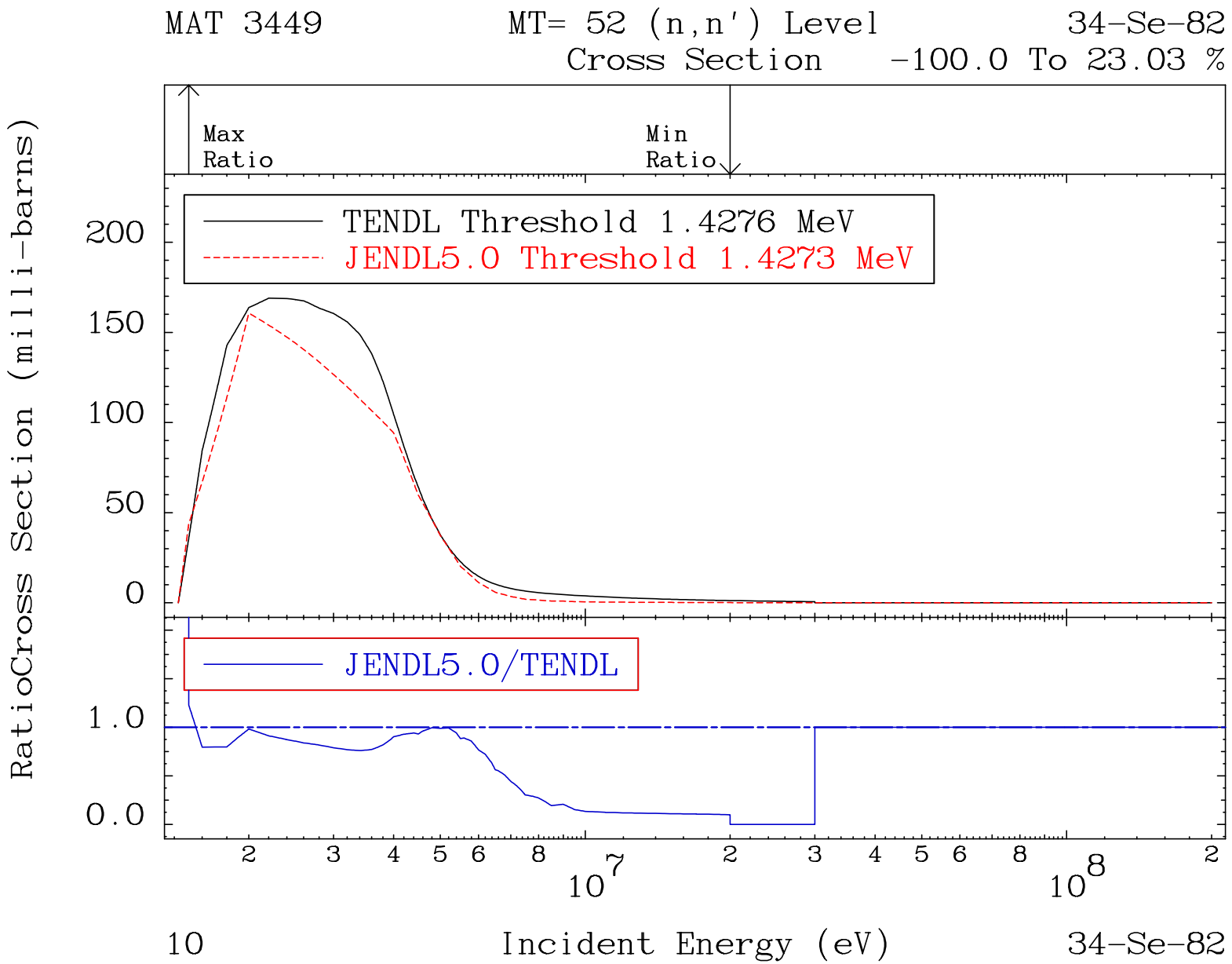

MAT 3449
(n,2n)
Cross Section
34-Se-82
-100.0 To 58.08 %
Max
Ratio
TENDL Threshold 9.3904 MeV
JENDL5.0 Threshold 9.5000 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.6
1.2
0.8
0.4
0.0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
5
Incident Energy (eV)
34-Se-82

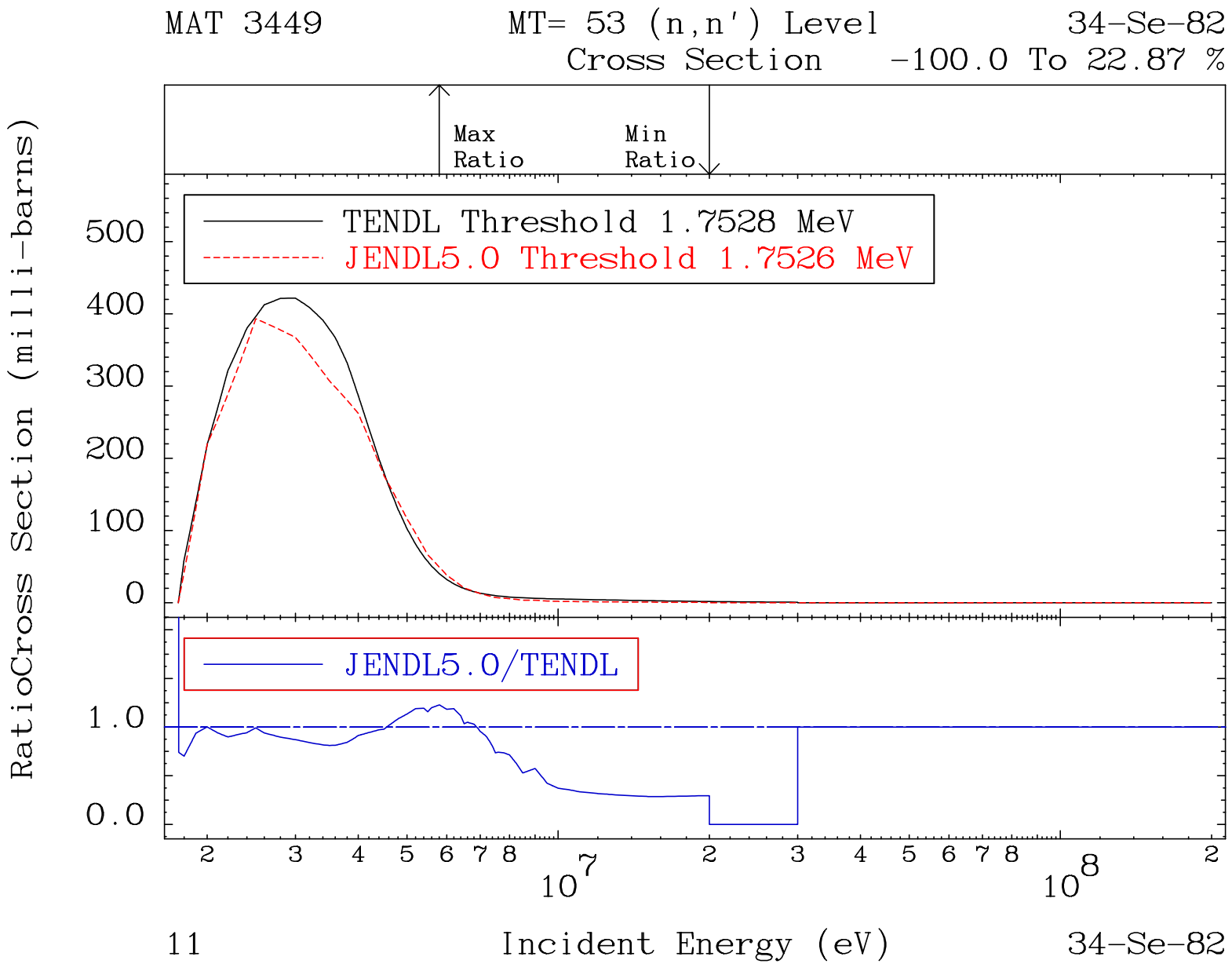

MAT 3449
(n,3n)
34-Se-82
Cross Section
-100.0 To 141.0 %
Min
Ratio
TENDL Threshold 16.174 MeV
JENDL5.0 Threshold 16.174 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
2
0
2
3
4
5
6
7
8
9
10^8
2
6
Incident Energy (eV)
34-Se-82

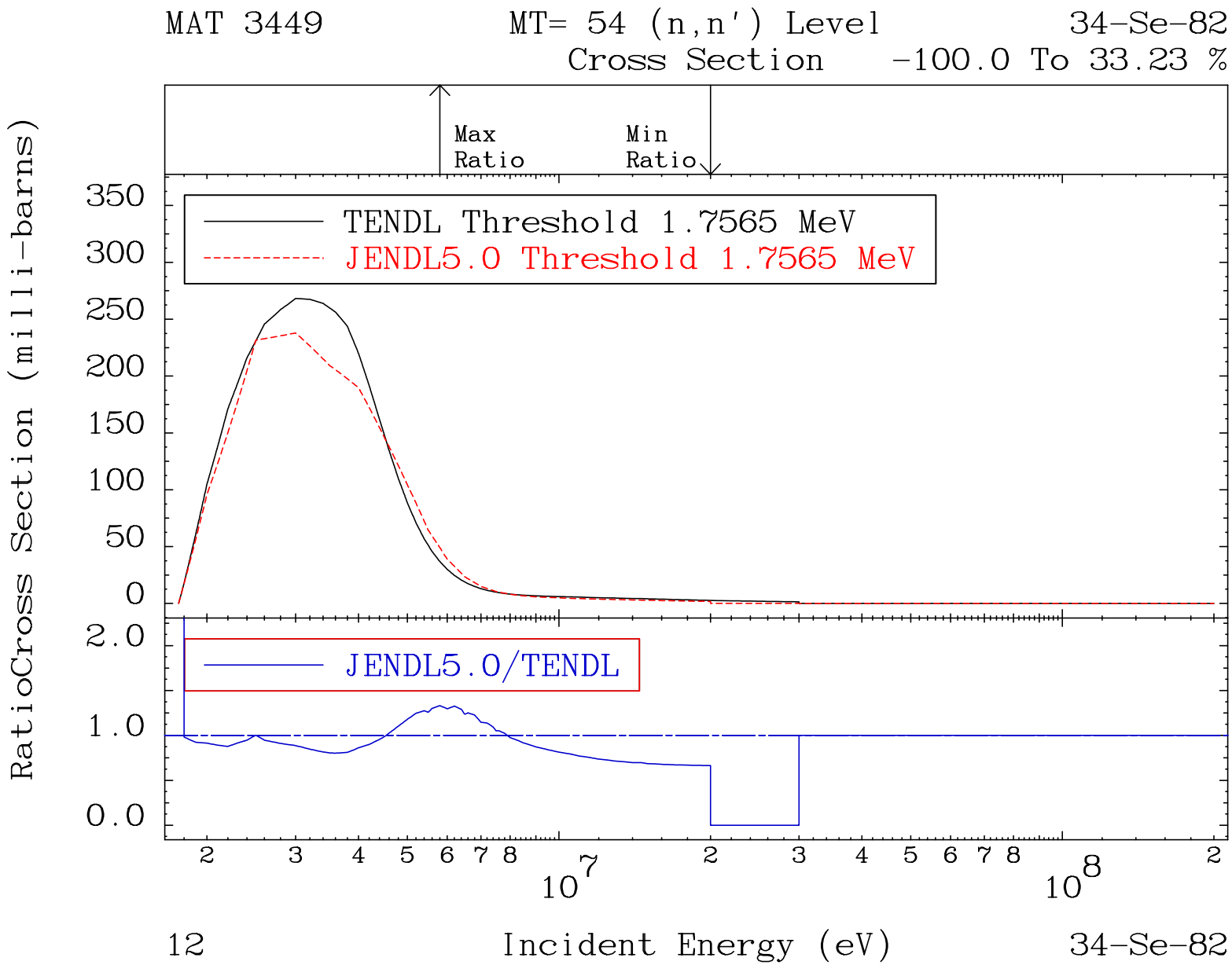

MAT 3449
(n,n') α
Cross Section
34-Se-82
-100.0 To 23.63 %
Min Ratio
Max Ratio
TENDL Threshold 8.2572 MeV
JENDL5.0 Threshold 14.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
12
10
8
6
4
2
0
1.0
0.0
8 9 10^7 2 3 4 5 6 7 8 9 10^8 2
7
Incident Energy (eV)
34-Se-82

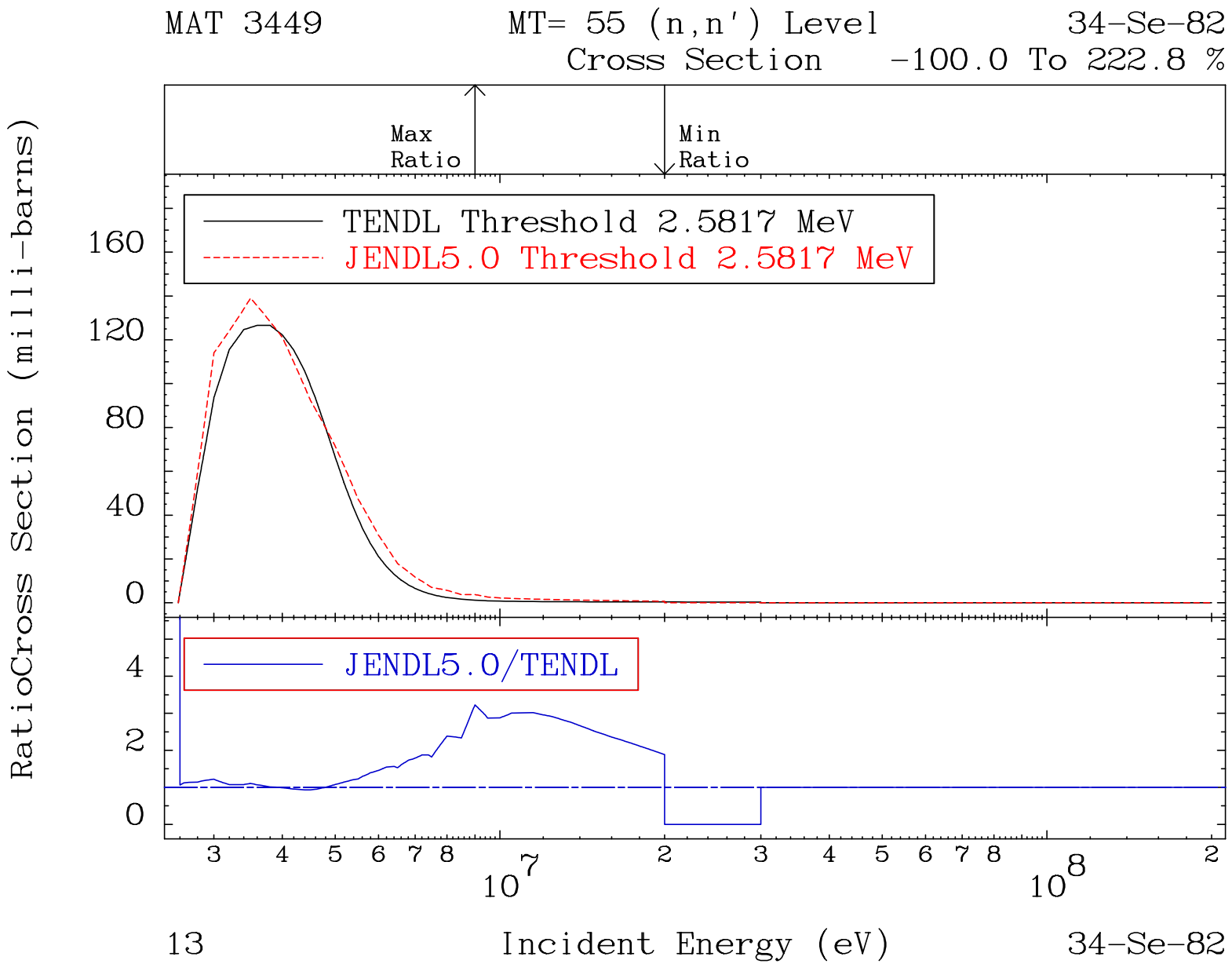

MAT 3449
(n,n') p
Cross Section
34-Se-82
-100.0 To 31.26 %
Max
Ratio
TENDL Threshold 12.502 MeV
JENDL5.0 Threshold 14.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
2
10^8
8
Incident Energy (eV)
34-Se-82

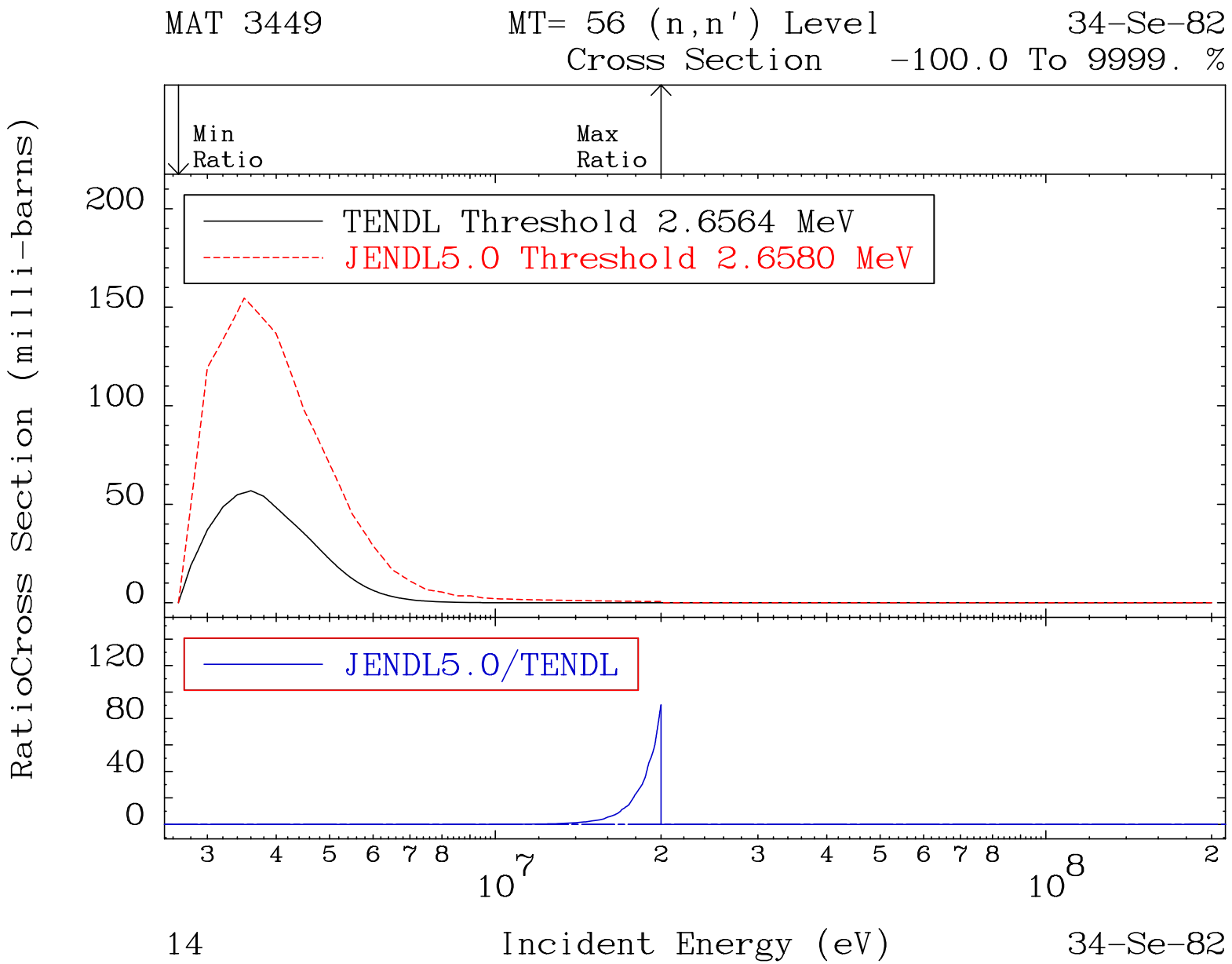

MAT 3449
MT= 51 (n,n') Level
34-Se-82
Cross Section
-100.0 To 32.18 %
Max Ratio
Min Ratio
TENDL Threshold 662.77 keV
JENDL5.0 Threshold 662.77 keV
Cross Section (barns)
1.2
1.0
0.8
0.6
0.4
0.2
0.0
JENDL5.0/TENDL
Ratio
2.0
1.0
0.0
8
10^6
2
3
4
5
6
8
10^7
2
3
4
5
6
8
10^8
2
9
Incident Energy (eV)
34-Se-82

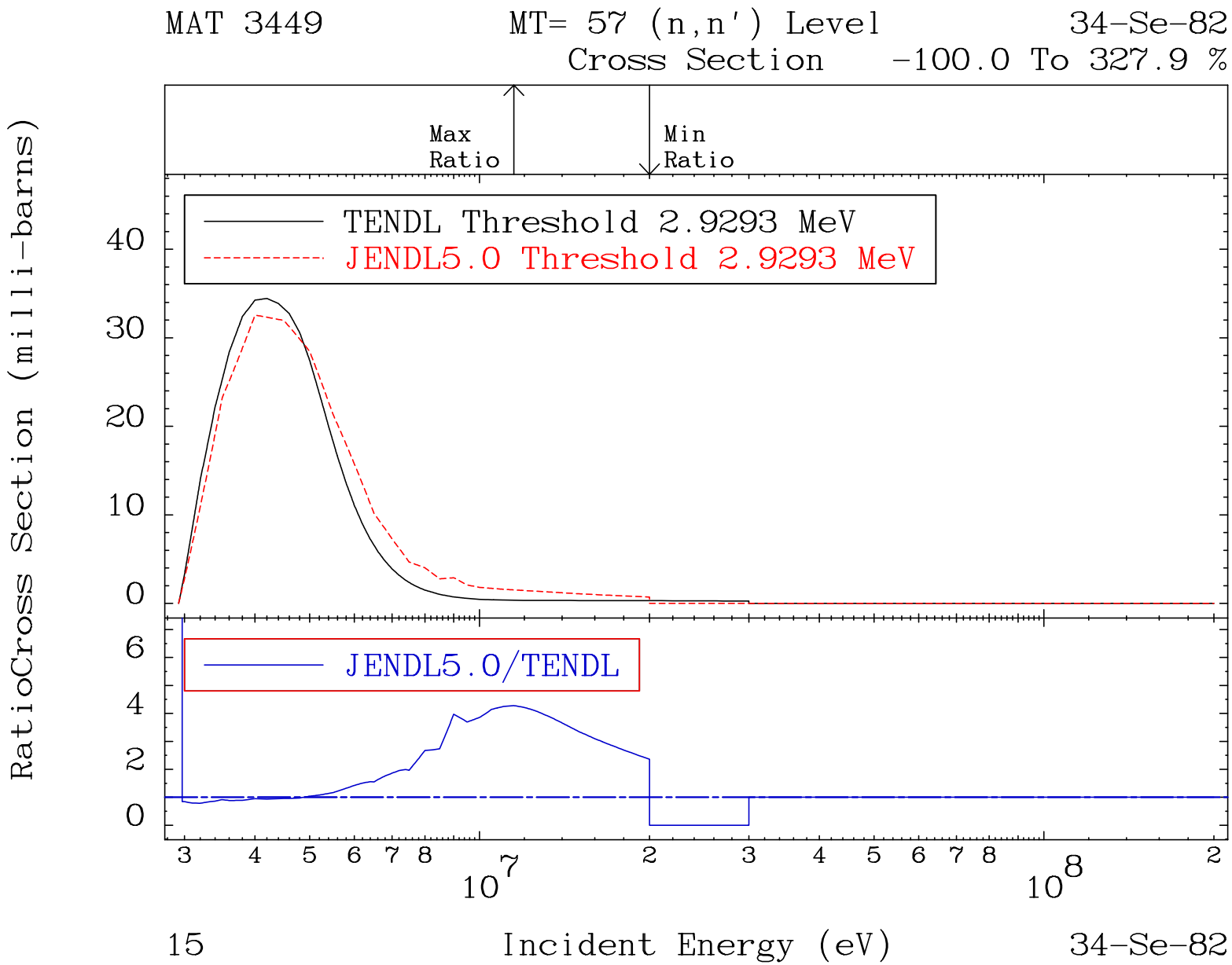

MAT 3449
MT= 52 (n,n') Level
34-Se-82
Cross Section
-100.0 To 23.03 %
Max Ratio
Min Ratio
TENDL Threshold 1.4276 MeV
JENDL5.0 Threshold 1.4273 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.0
0.0
2 3 4 5 6 8 10^7 2 3 4 5 6 8 10^8 2
10
Incident Energy (eV)
34-Se-82

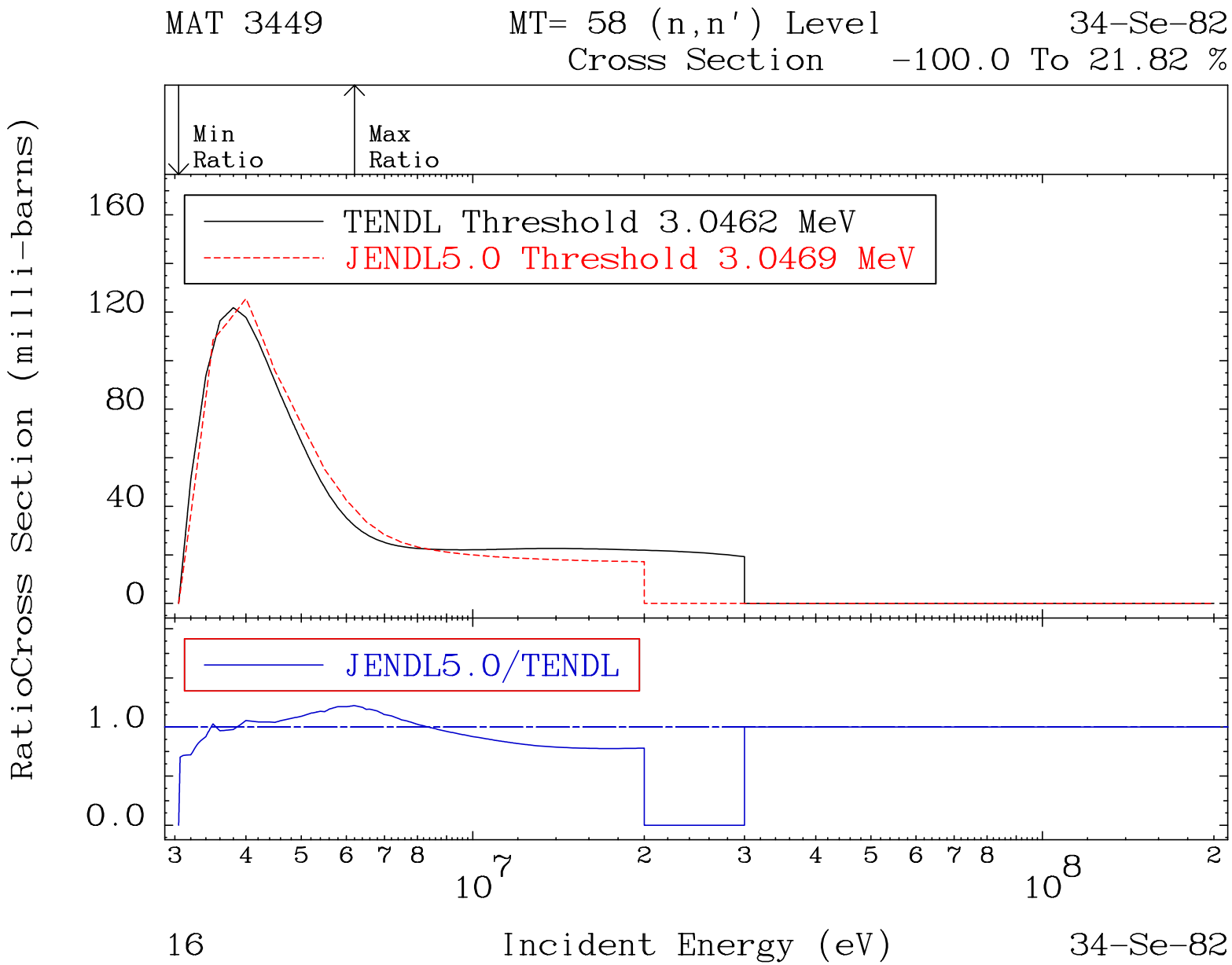

MAT 3449
MT= 53 (n,n') Level
34-Se-82
Cross Section
-100.0 To 22.87 %
Max Ratio
Min Ratio
TENDL Threshold 1.7528 MeV
JENDL5.0 Threshold 1.7526 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
500
400
300
200
100
0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
11
Incident Energy (eV)
34-Se-82

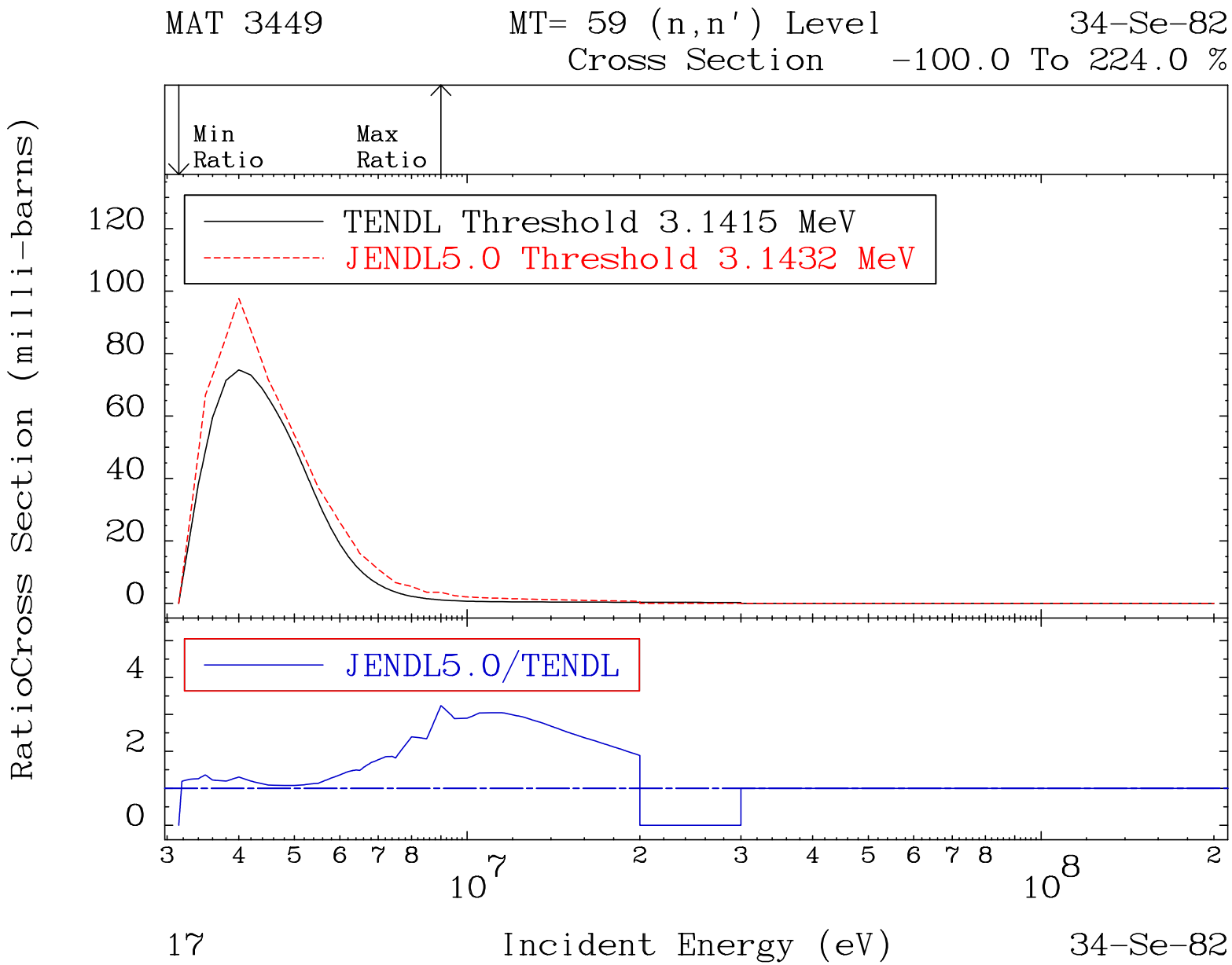

MAT 3449
MT= 54 (n,n') Level
34-Se-82
Cross Section
-100.0 To 33.23 %
Max Ratio
Min Ratio
TENDL Threshold 1.7565 MeV
JENDL5.0 Threshold 1.7565 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
350
300
250
200
150
100
50
0
2.0
1.0
0.0
2 3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
12
Incident Energy (eV)
34-Se-82

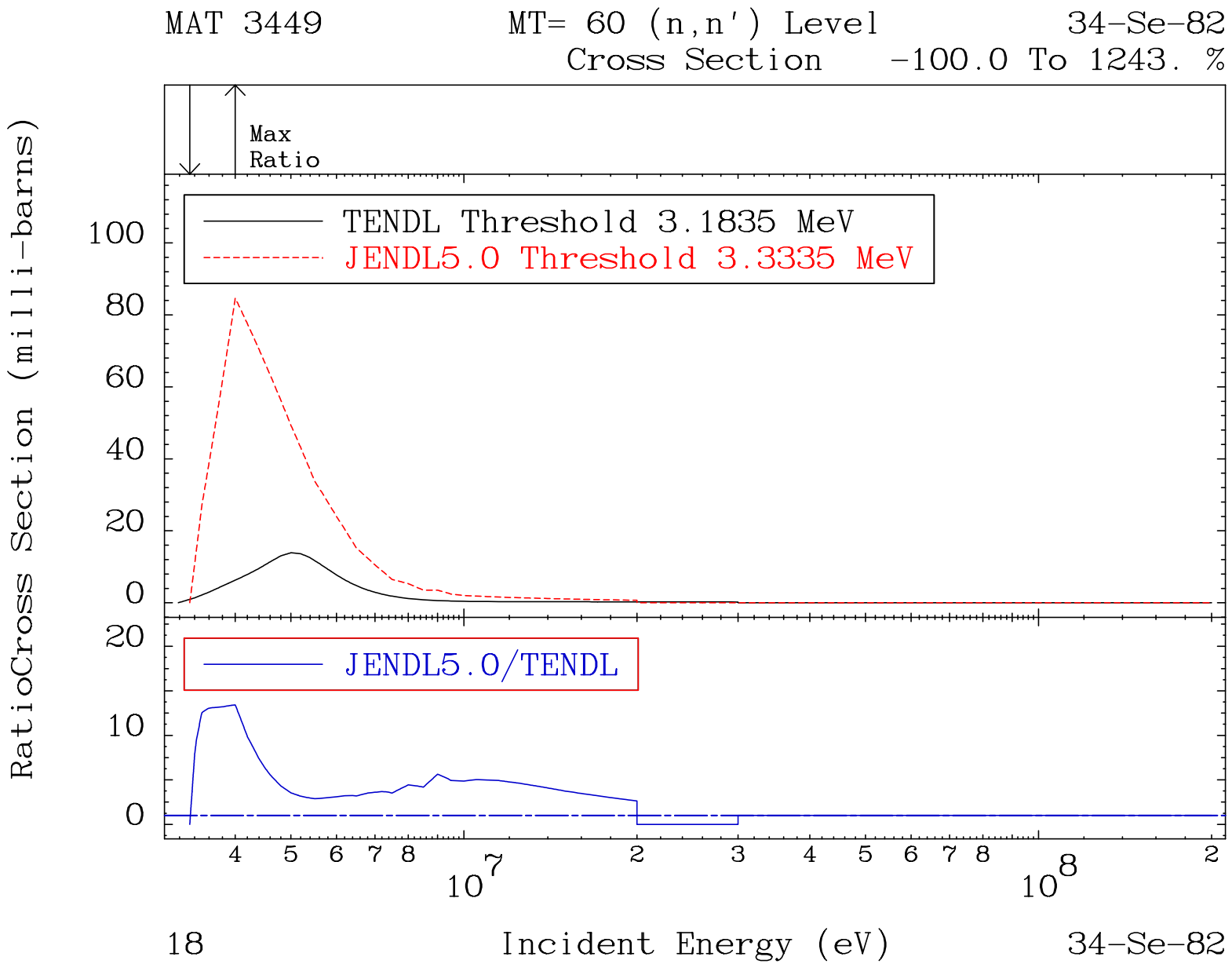

MAT 3449
MT= 55 (n,n') Level
34-Se-82
Cross Section
-100.0 To 222.8 %
Max Ratio
Min Ratio
TENDL Threshold 2.5817 MeV
JENDL5.0 Threshold 2.5817 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
13
Incident Energy (eV)
34-Se-82

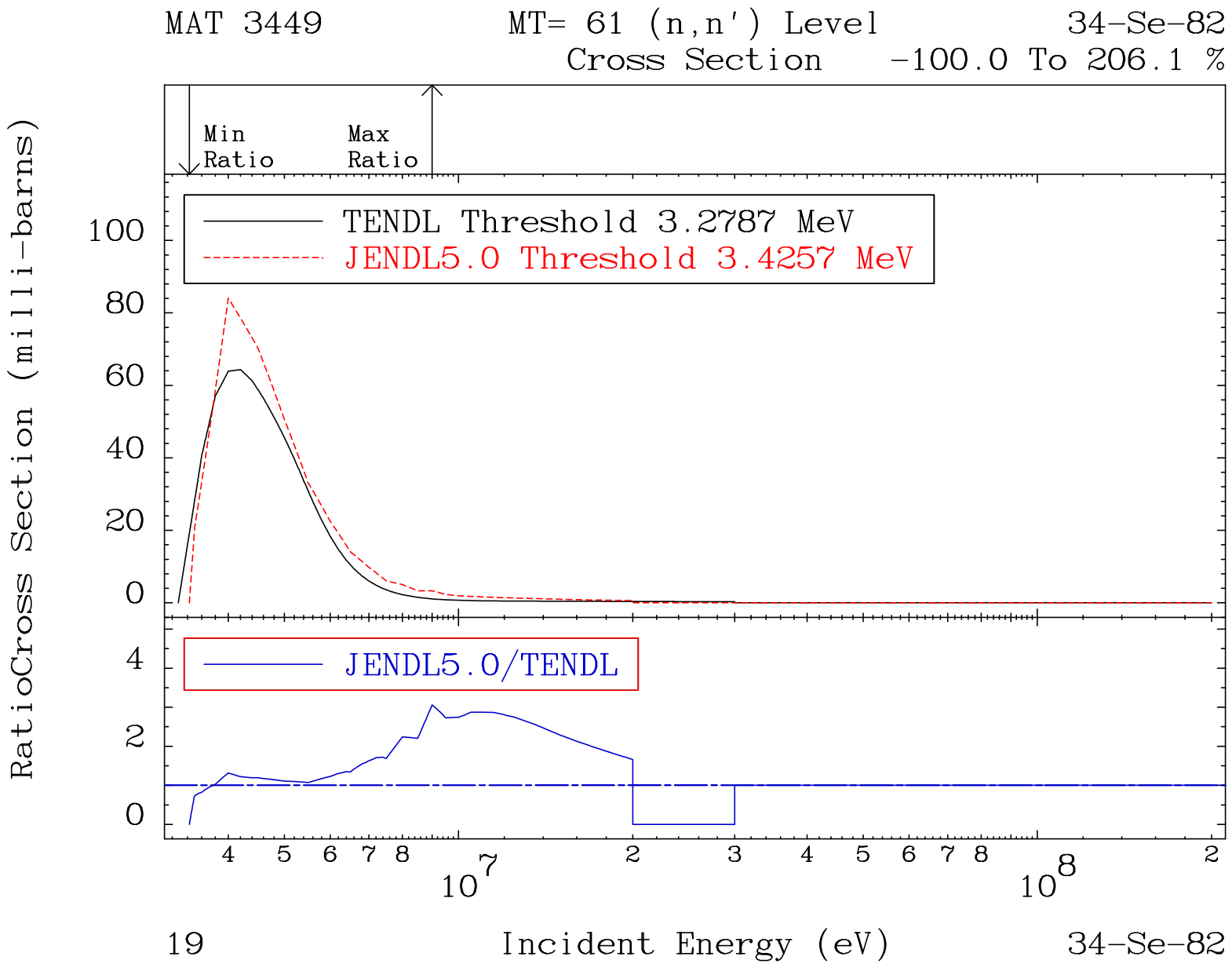

MAT 3449
MT= 56 (n,n') Level
34-Se-82
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 2.6564 MeV
JENDL5.0 Threshold 2.6580 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
120
80
40
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
14
Incident Energy (eV)
34-Se-82

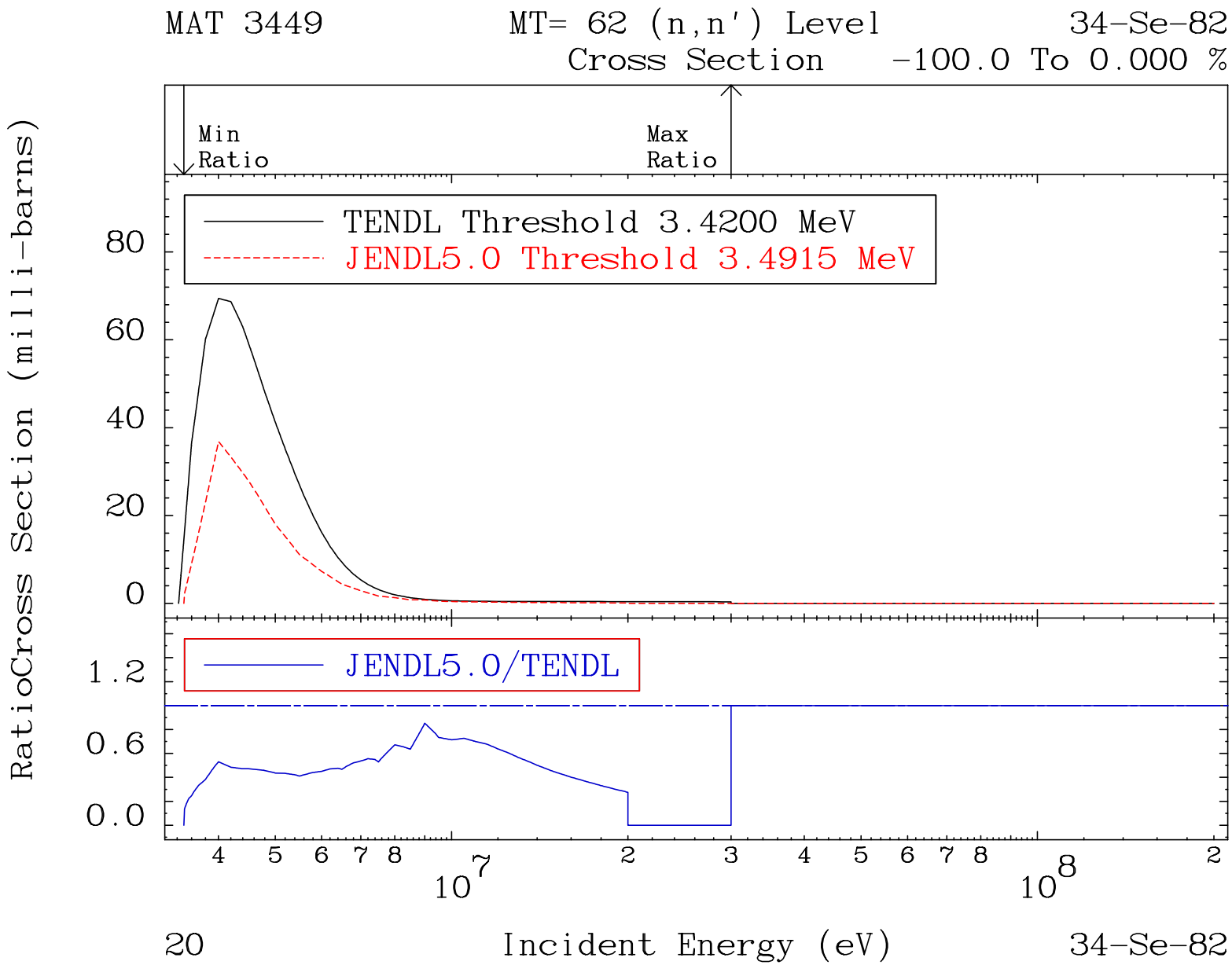

MAT 3449
MT= 57 (n,n') Level
34-Se-82
Cross Section -100.0 To 327.9 %
Max Ratio
Min Ratio
TENDL Threshold 2.9293 MeV
JENDL5.0 Threshold 2.9293 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
15
34-Se-82

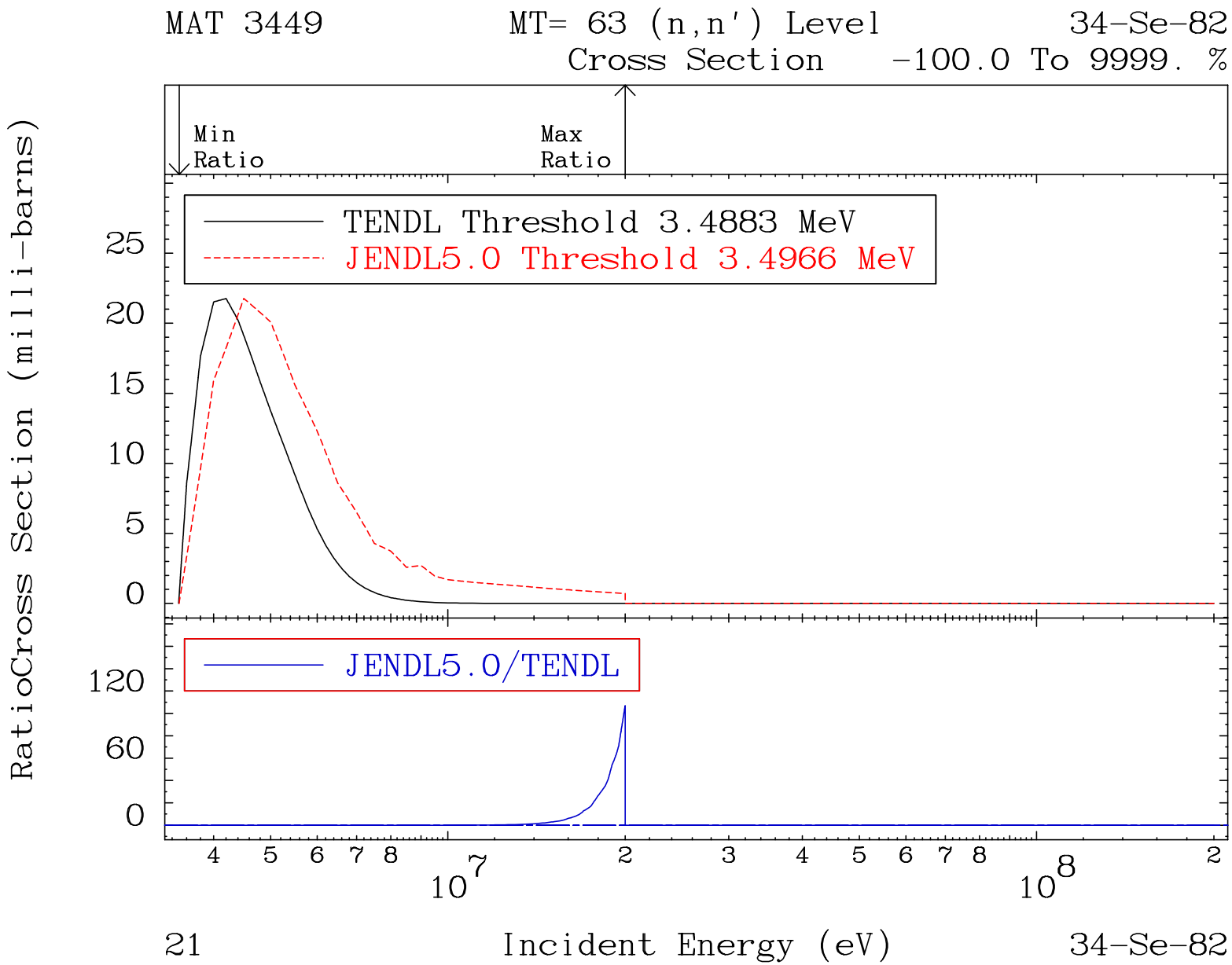

MAT 3449
MT= 58 (n,n') Level
34-Se-82
Cross Section
-100.0 To 21.82 %
Min Ratio
Max Ratio
TENDL Threshold 3.0462 MeV
JENDL5.0 Threshold 3.0469 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
1.0
0.0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
16
Incident Energy (eV)
34-Se-82

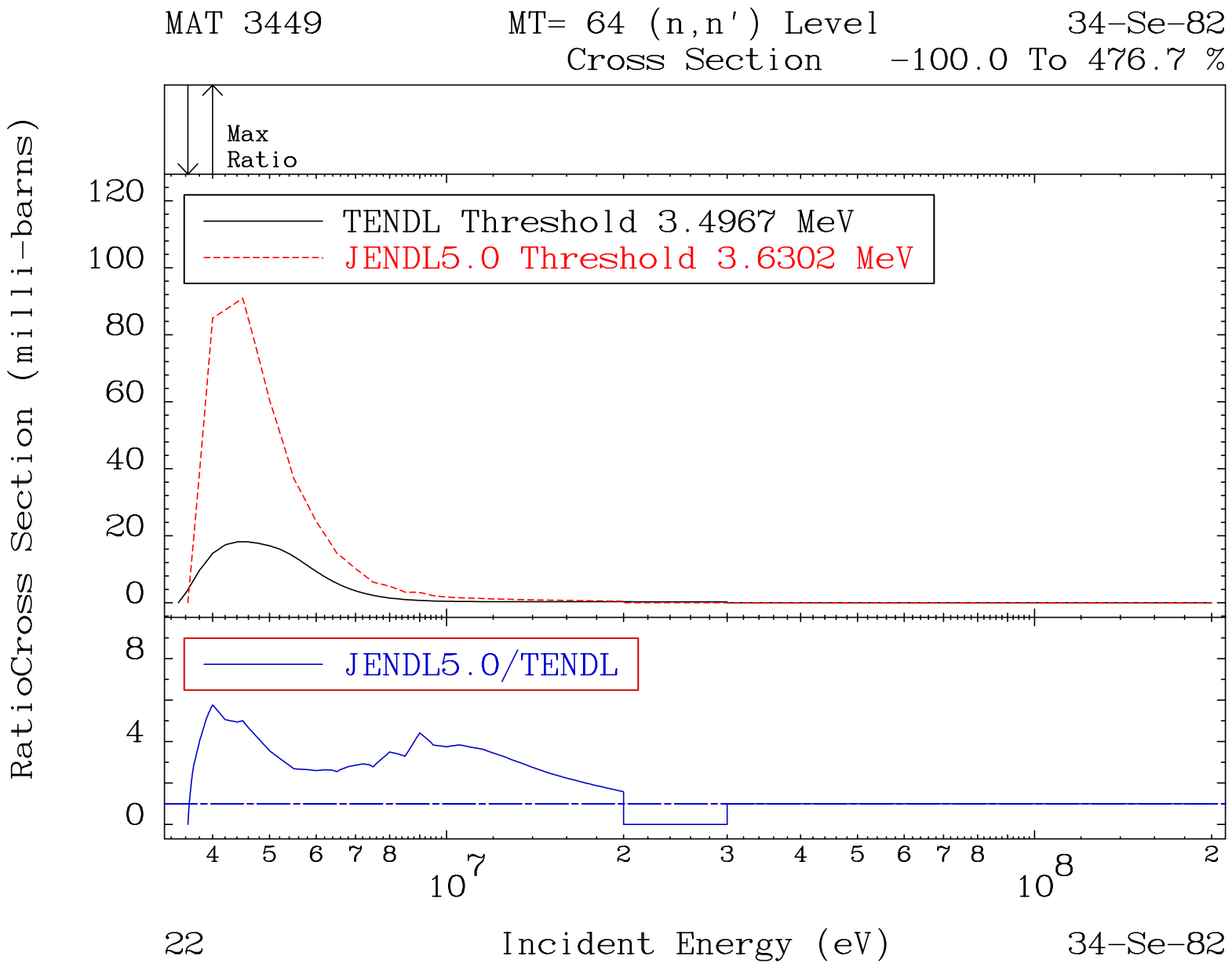

MAT 3449
MT= 59 (n,n') Level
34-Se-82
Cross Section
-100.0 To 224.0 %
Min Ratio
Max Ratio
TENDL Threshold 3.1415 MeV
JENDL5.0 Threshold 3.1432 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
4
2
0
3 4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
17
Incident Energy (eV)
34-Se-82

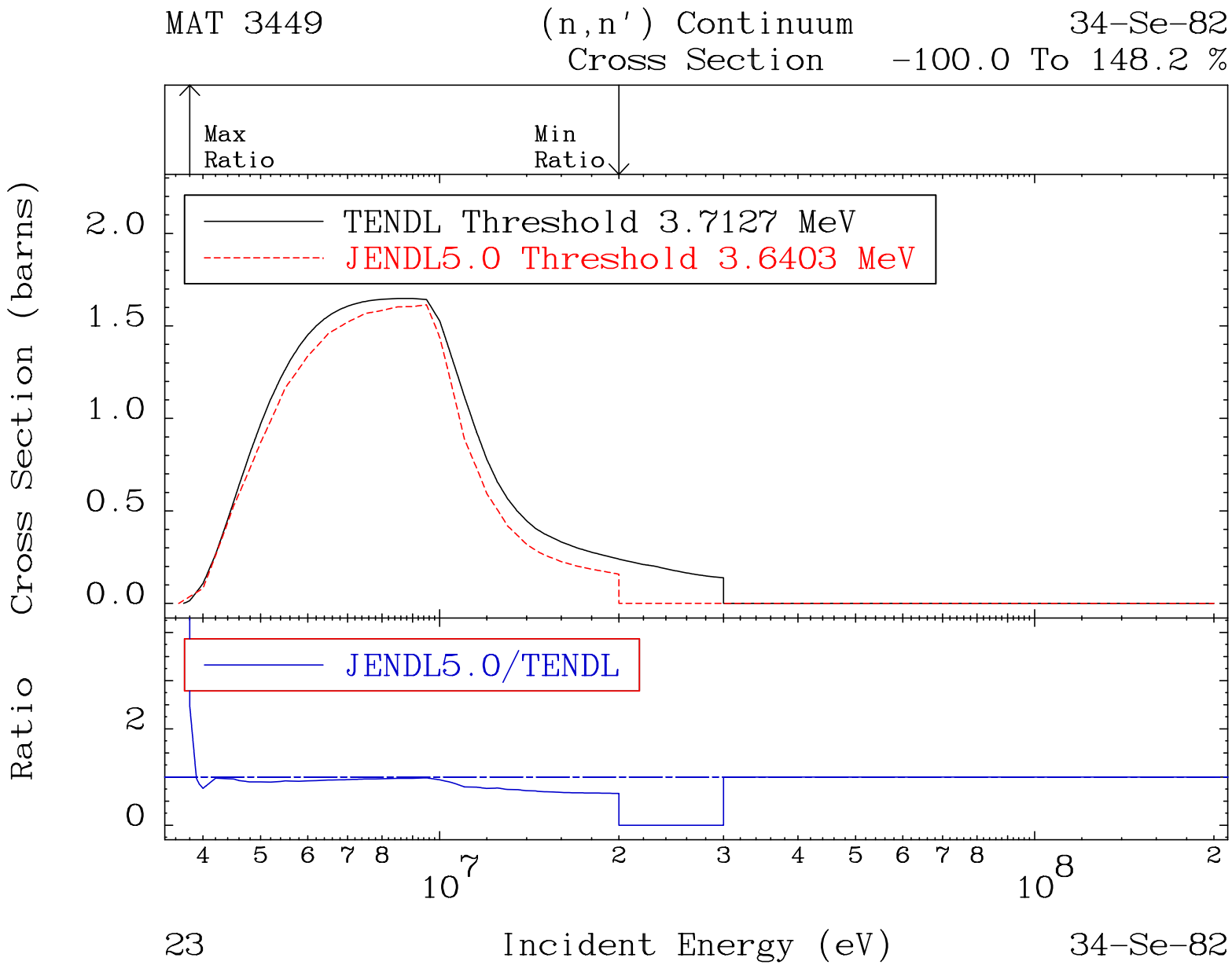

MAT 3449
MT= 60 (n,n') Level
34-Se-82
Cross Section -100.0 To 1243. %
Max
Ratio
TENDL Threshold 3.1835 MeV
JENDL5.0 Threshold 3.3335 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
20
10
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
18
Incident Energy (eV)
34-Se-82

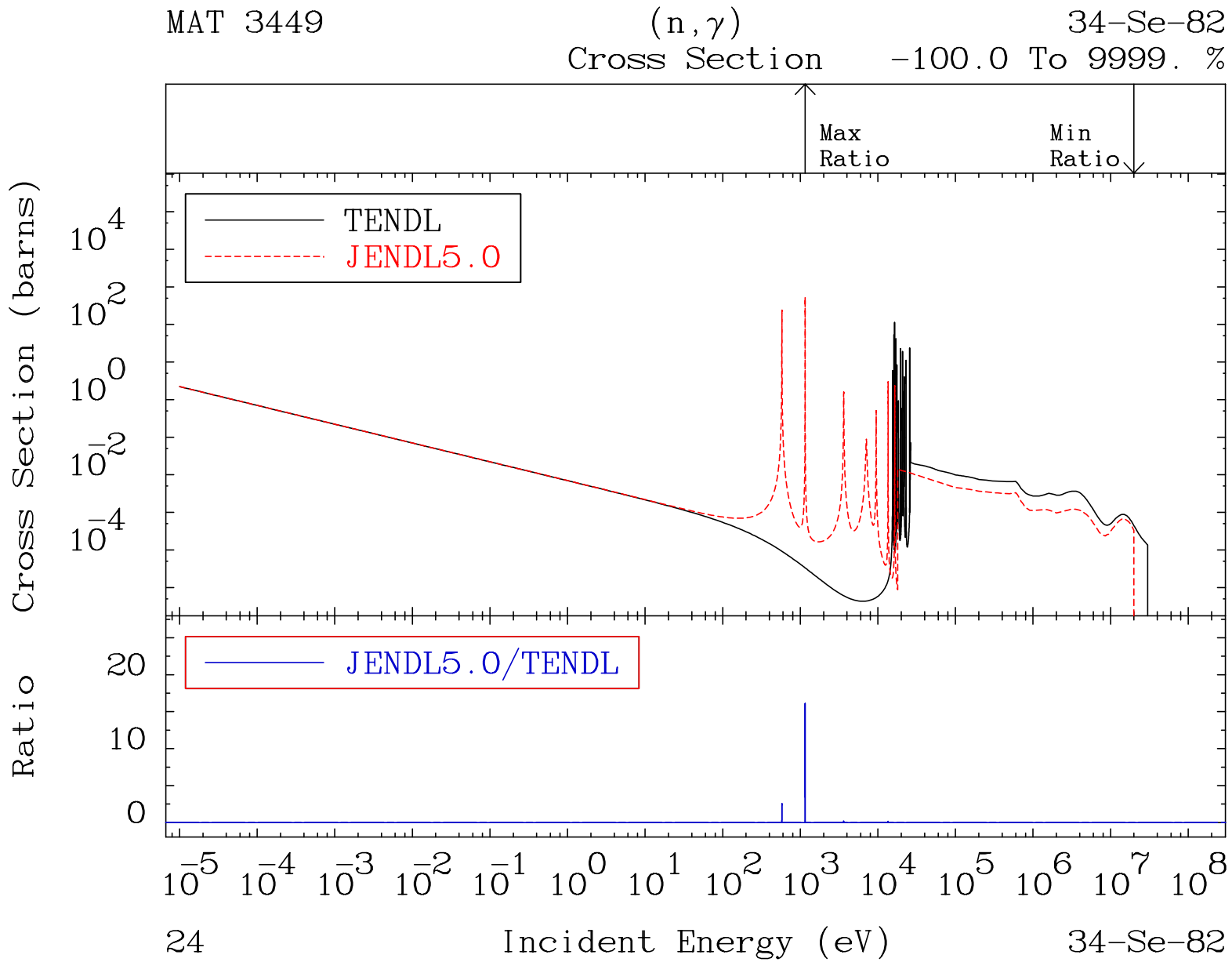

MAT 3449
MT= 61 (n,n') Level
34-Se-82
Cross Section -100.0 To 206.1 %
Min Ratio
Max Ratio
TENDL Threshold 3.2787 MeV
JENDL5.0 Threshold 3.4257 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
100
80
60
40
20
0
4
2
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
19
Incident Energy (eV)
34-Se-82

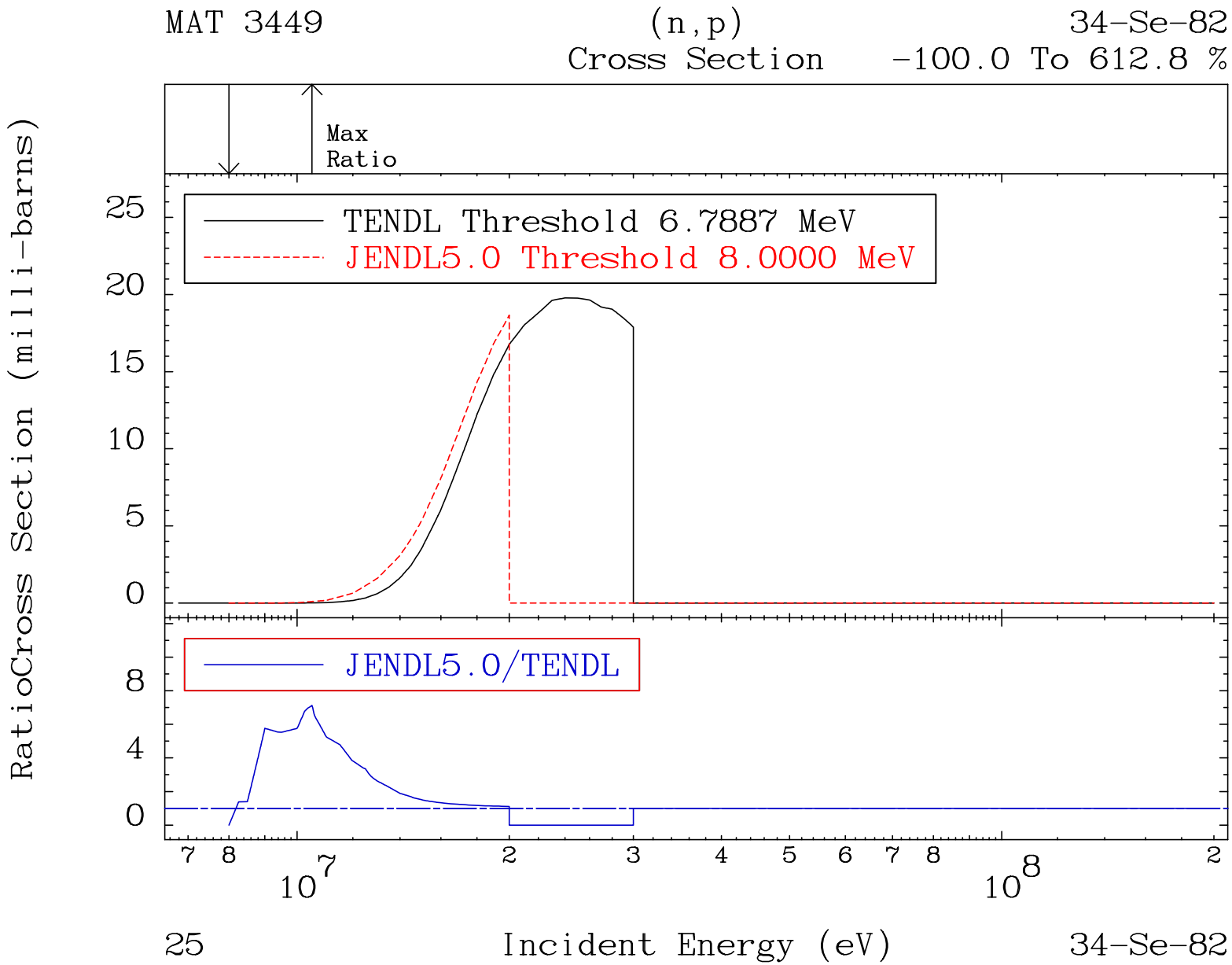

MAT 3449
MT= 62 (n,n') Level
34-Se-82
Cross Section
-100.0 To 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 3.4200 MeV
JENDL5.0 Threshold 3.4915 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
1.2
0.6
0.0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
20
Incident Energy (eV)
34-Se-82

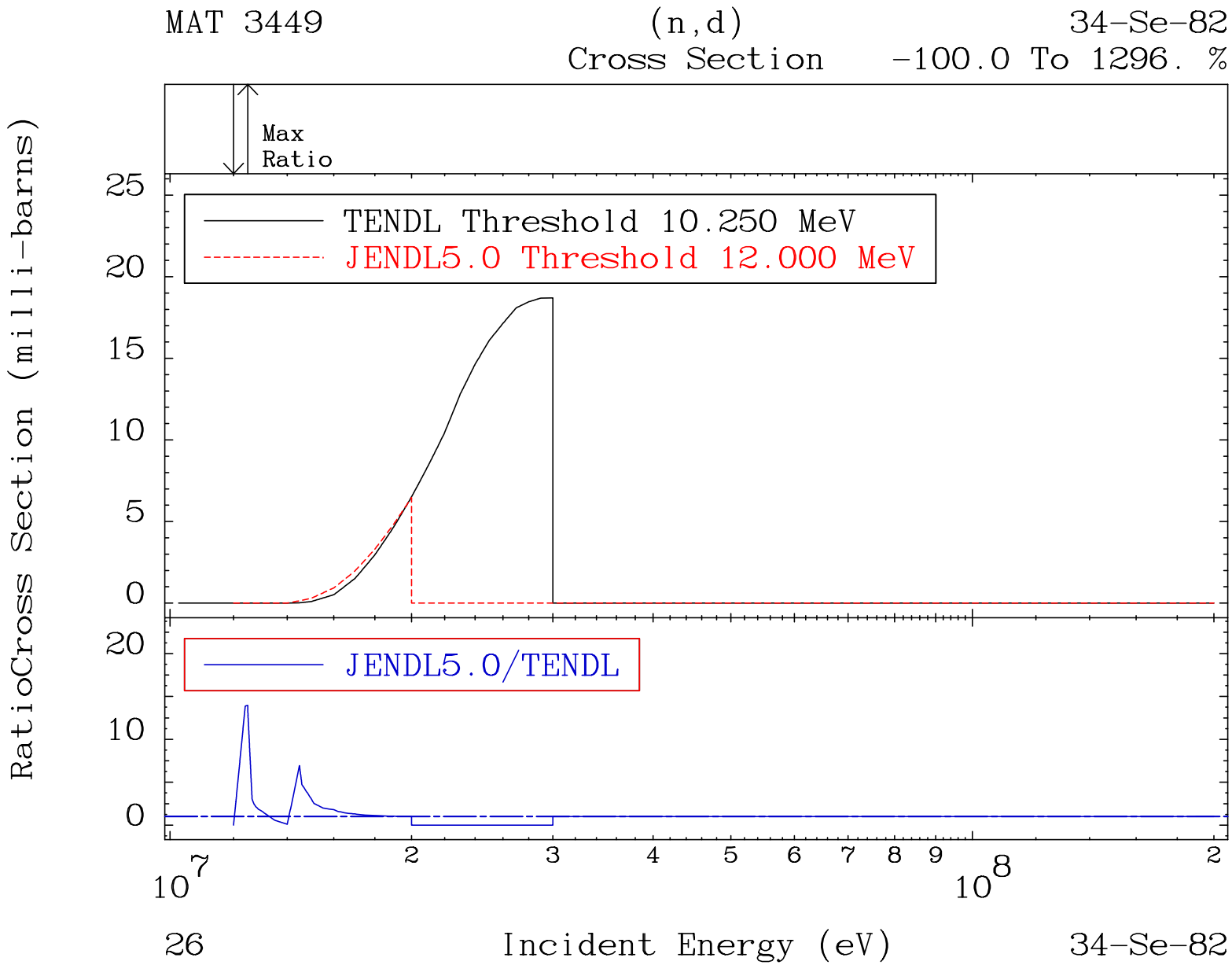

MAT 3449
MT= 63 (n,n') Level
34-Se-82
Cross Section -100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 3.4883 MeV
JENDL5.0 Threshold 3.4966 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
120
60
0
4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
21
Incident Energy (eV)
34-Se-82

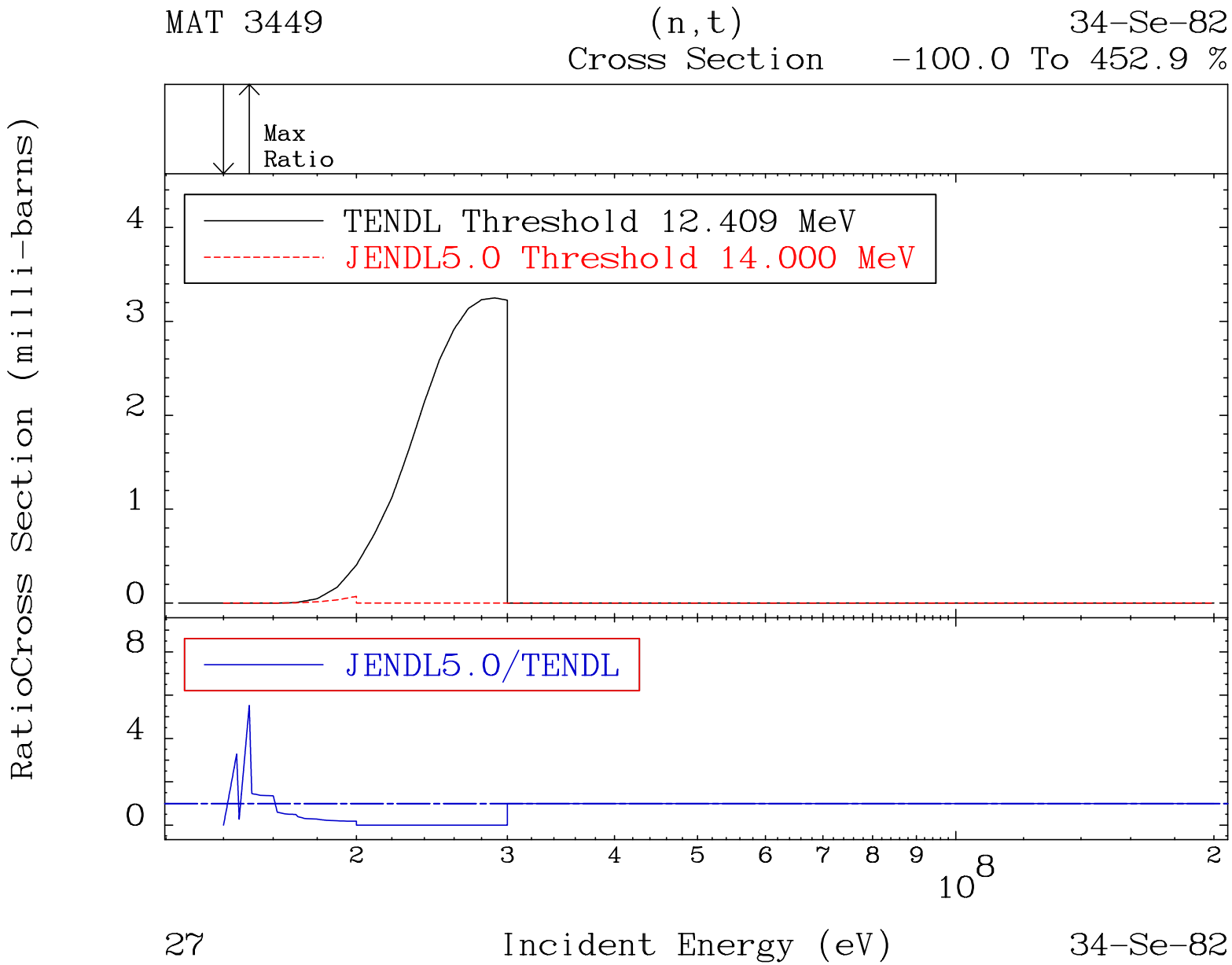

MAT 3449
MT= 64 (n,n') Level
34-Se-82
Cross Section -100.0 To 476.7 %
Max
Ratio
TENDL Threshold 3.4967 MeV
JENDL5.0 Threshold 3.6302 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
100
80
60
40
20
0
8
4
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
22
Incident Energy (eV)
34-Se-82

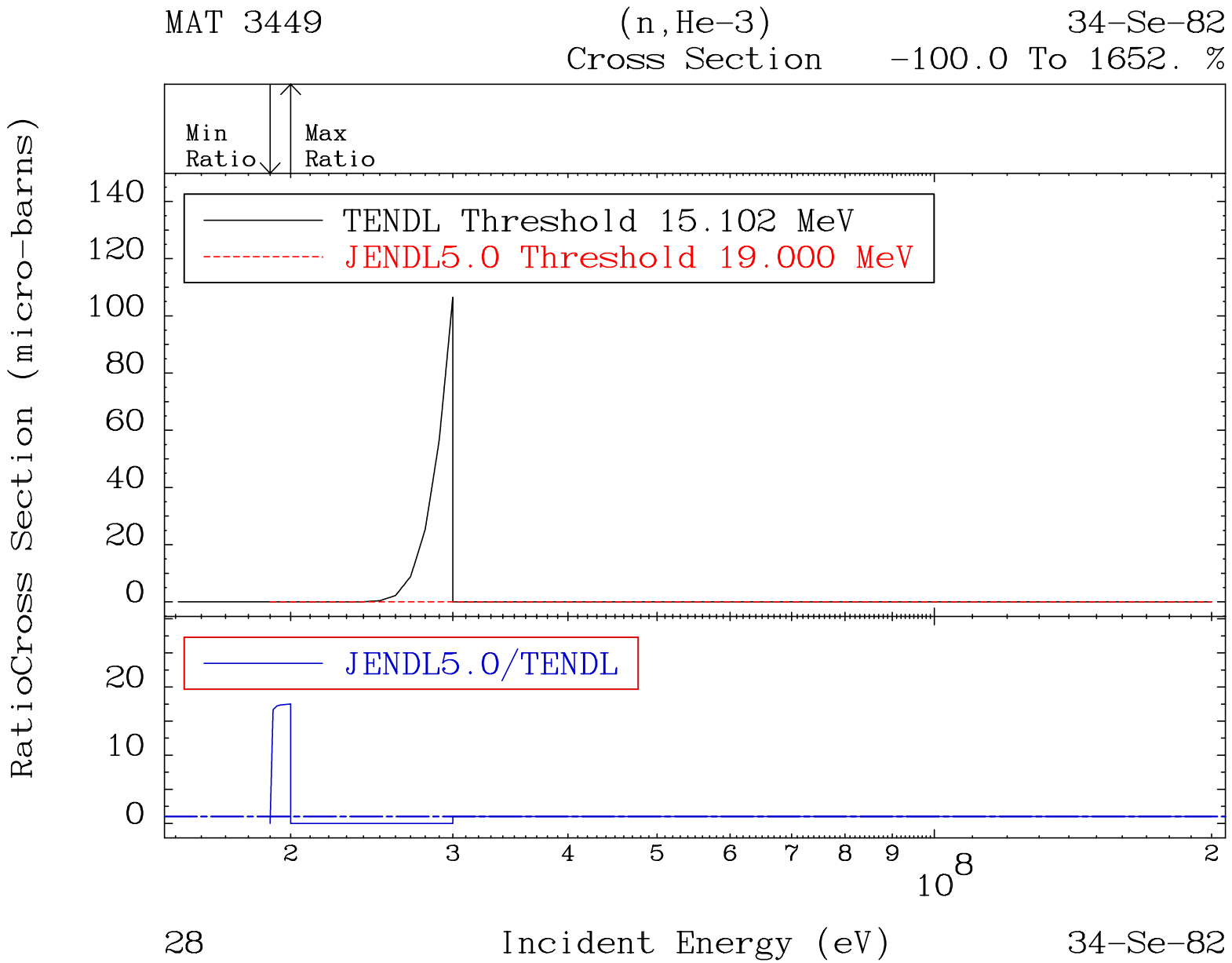

MAT 3449
(n,n') Continuum
Cross Section
34-Se-82
-100.0 To 148.2 %
Max Ratio
Min Ratio
TENDL Threshold 3.7127 MeV
JENDL5.0 Threshold 3.6403 MeV
JENDL5.0/TENDL
Cross Section (barns)
Ratio
2.0
1.5
1.0
0.5
0.0
2
0
4 5 6 7 8 10^7 2 3 4 5 6 7 8 10^8 2
Incident Energy (eV)
23
34-Se-82

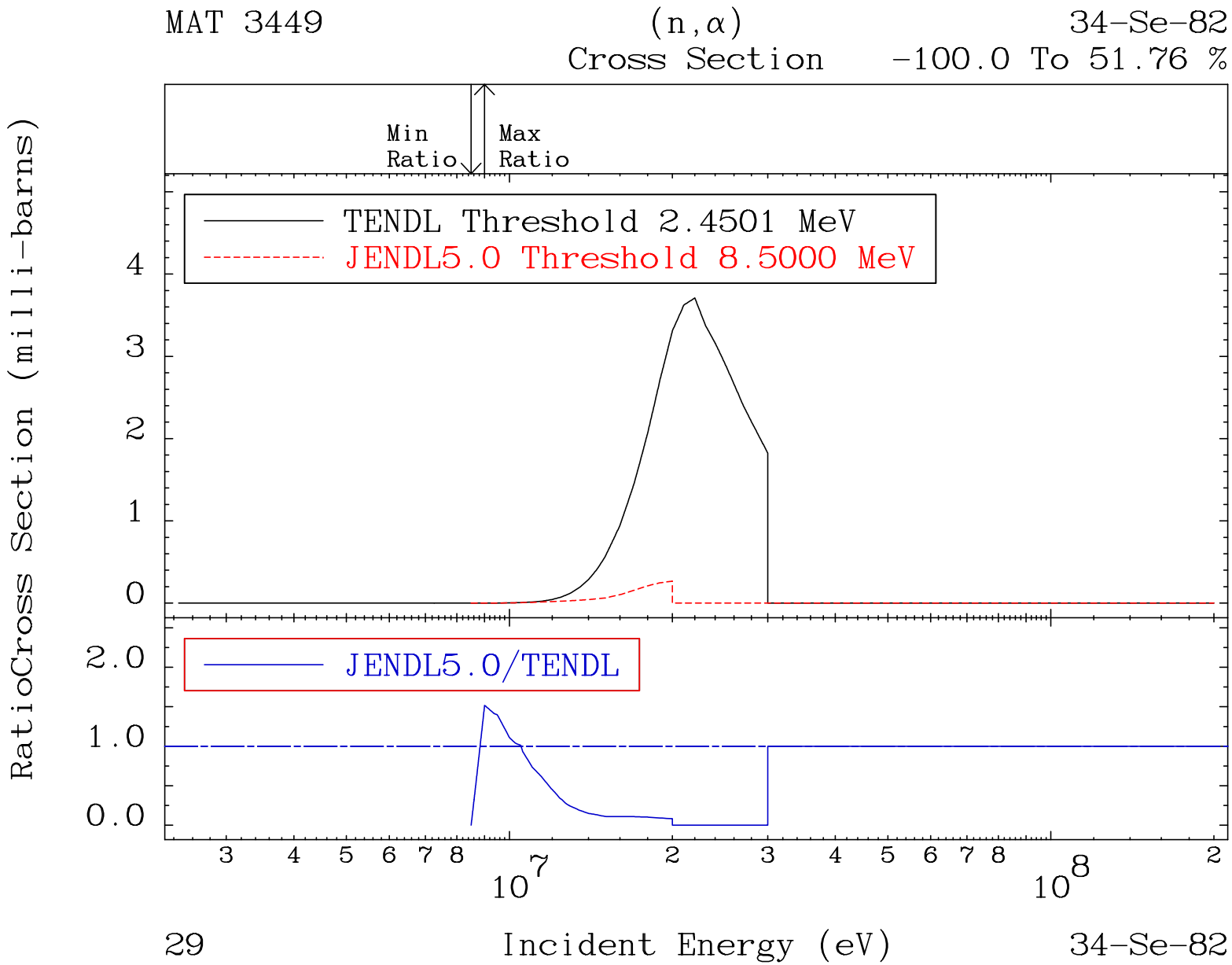

MAT 3449
(n,γ)
Cross Section
34-Se-82
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
24
34-Se-82

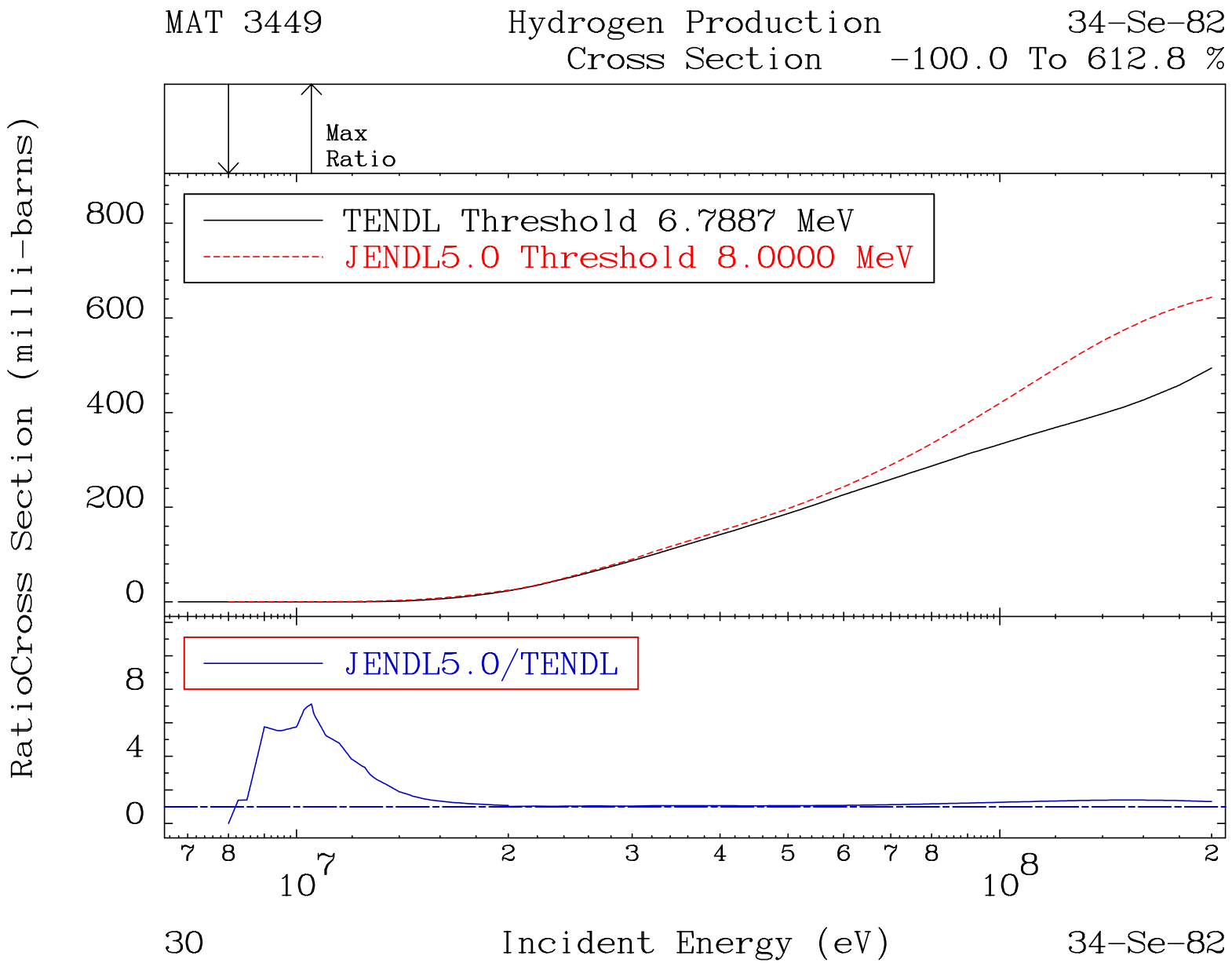

MAT 3449
(n,p)
34-Se-82
Cross Section
-100.0 To 612.8 %
Max
Ratio
TENDL Threshold 6.7887 MeV
JENDL5.0 Threshold 8.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
8
4
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
25
Incident Energy (eV)
34-Se-82

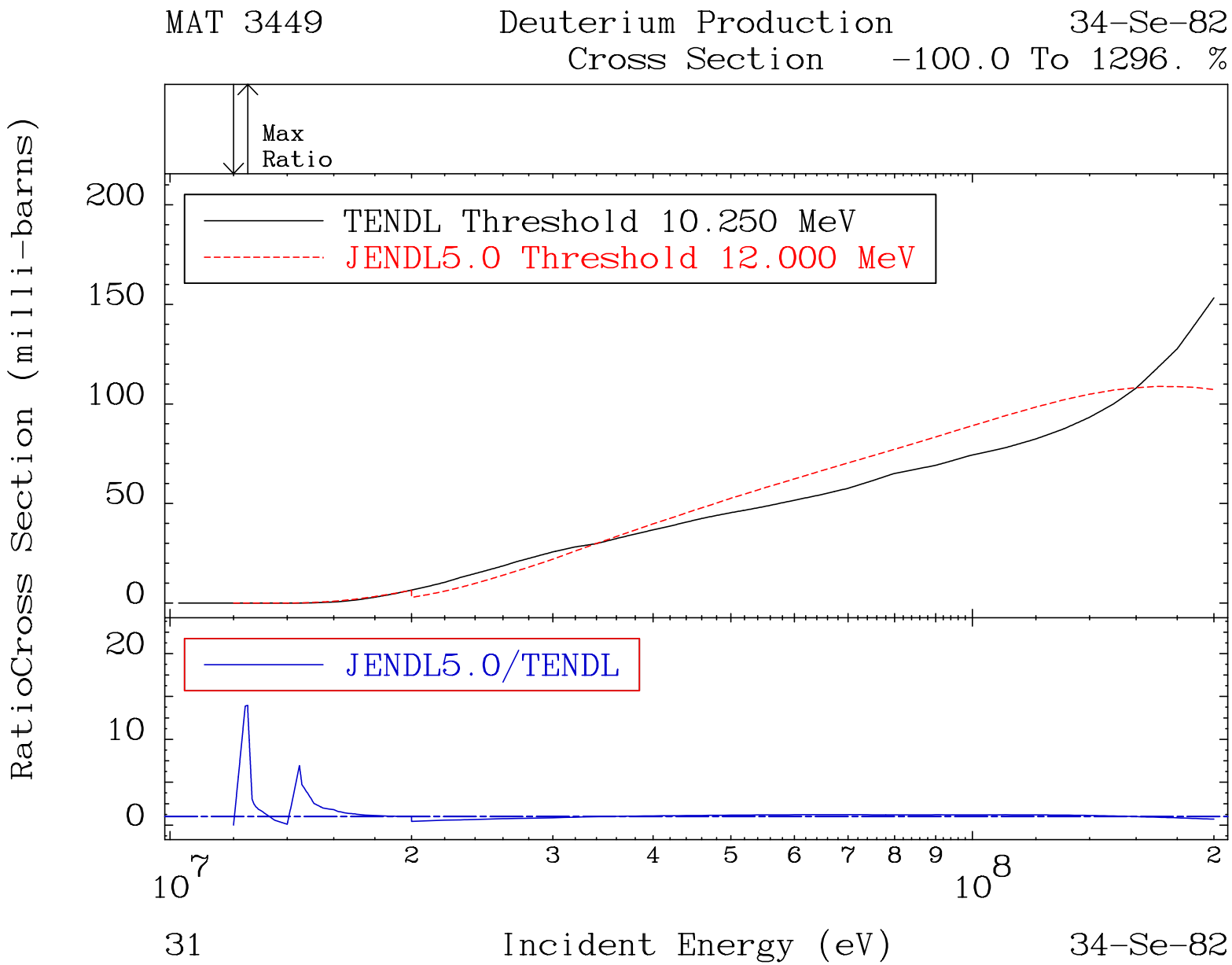

MAT 3449
(n,d)
34-Se-82
Cross Section
-100.0 To 1296. %
Max
Ratio
TENDL Threshold 10.250 MeV
JENDL5.0 Threshold 12.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
25
20
15
10
5
0
20
10
0
10^7
2
3
4
5
6
7
8
9
10^8
2
26
Incident Energy (eV)
34-Se-82

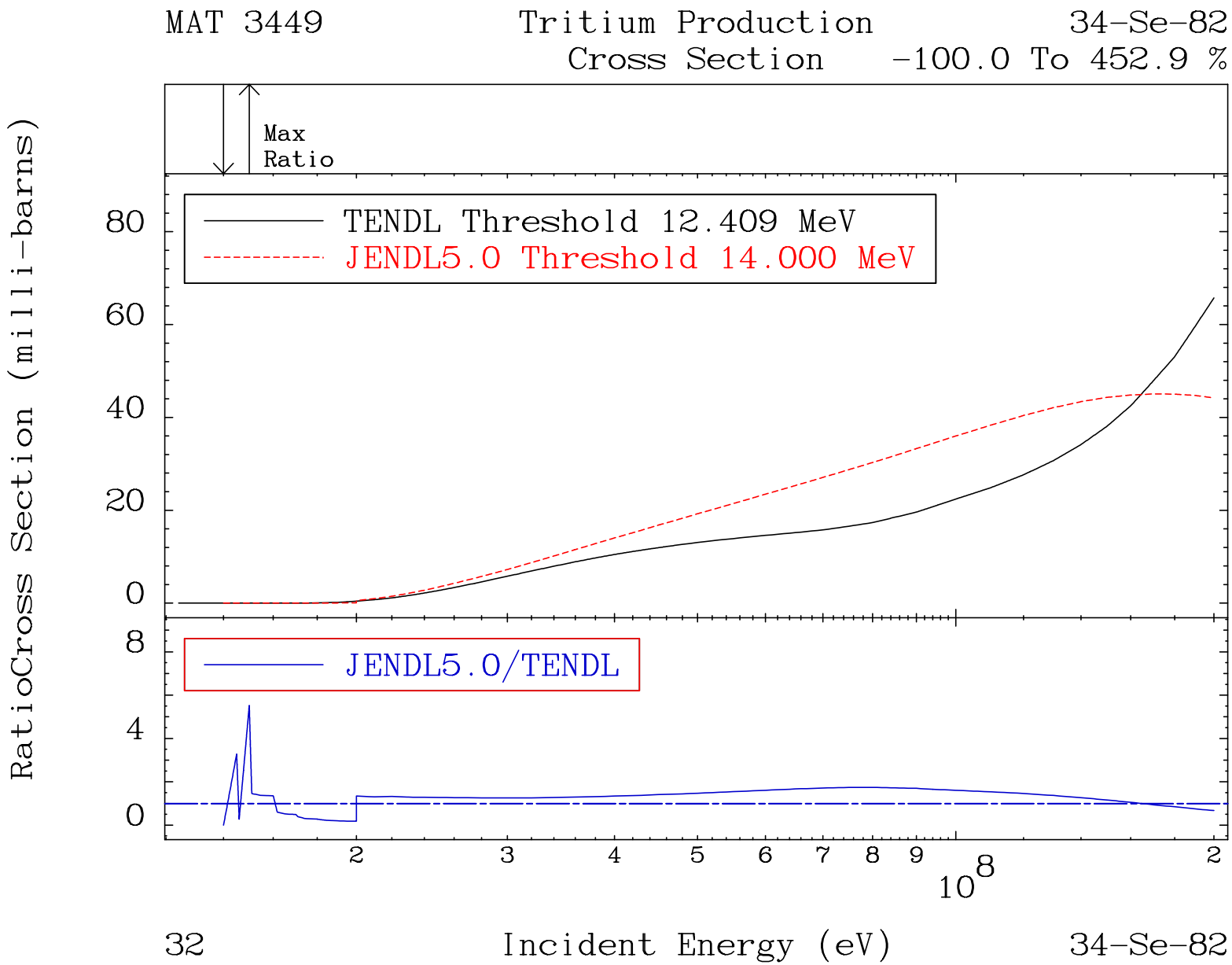

MAT 3449
(n,t)
34-Se-82
Cross Section
-100.0 To 452.9 %
Max
Ratio
TENDL Threshold 12.409 MeV
JENDL5.0 Threshold 14.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
27
34-Se-82

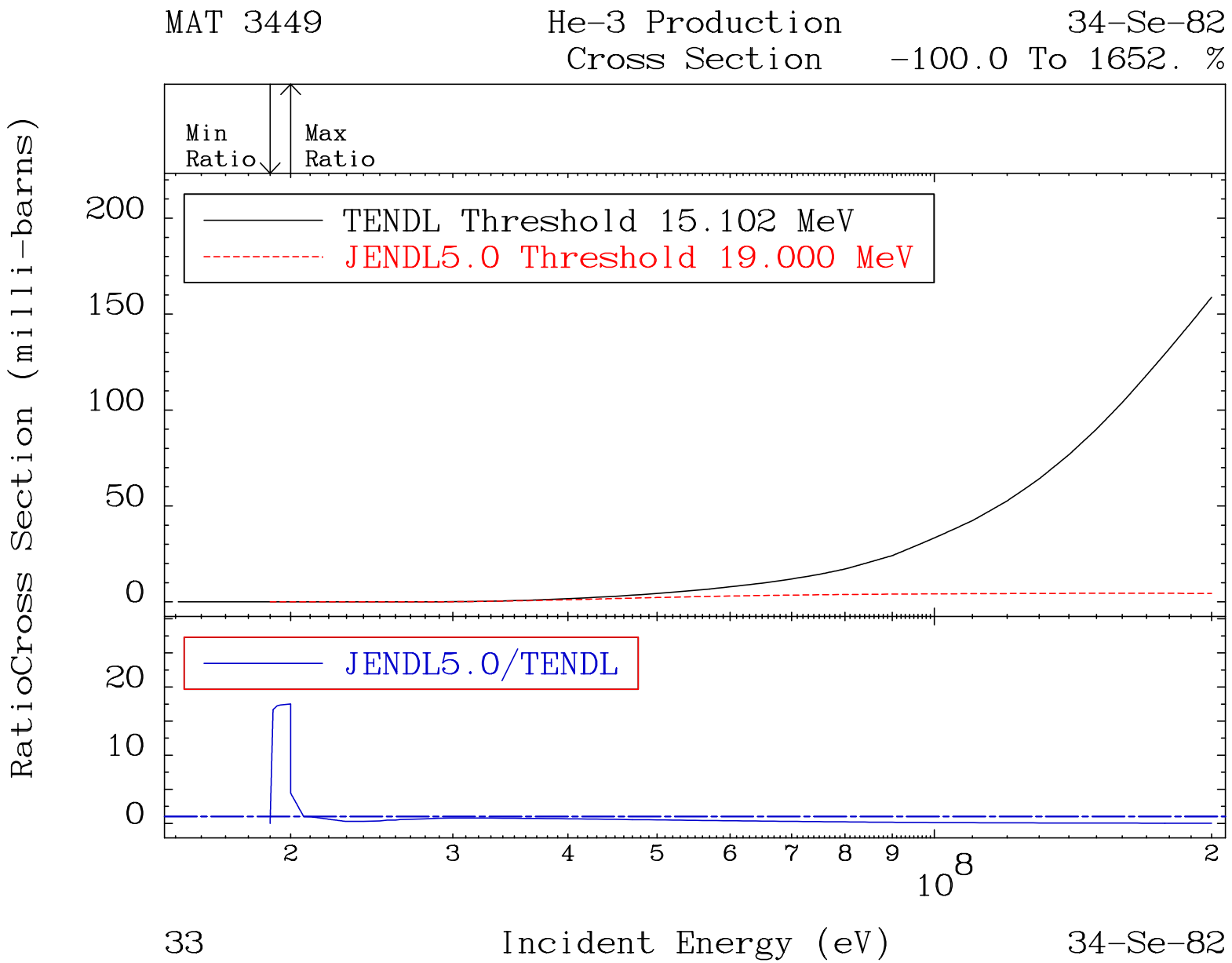

MAT 3449
(n,He-3)
34-Se-82
Cross Section
-100.0 To 1652. %
Min Ratio
Max Ratio
TENDL Threshold 15.102 MeV
JENDL5.0 Threshold 19.000 MeV
JENDL5.0/TENDL
RatioCross Section (micro-barns)
140
120
100
80
60
40
20
0
20
10
0
2
3
4
5
6
7
8
9
10^8
2
28
Incident Energy (eV)
34-Se-82

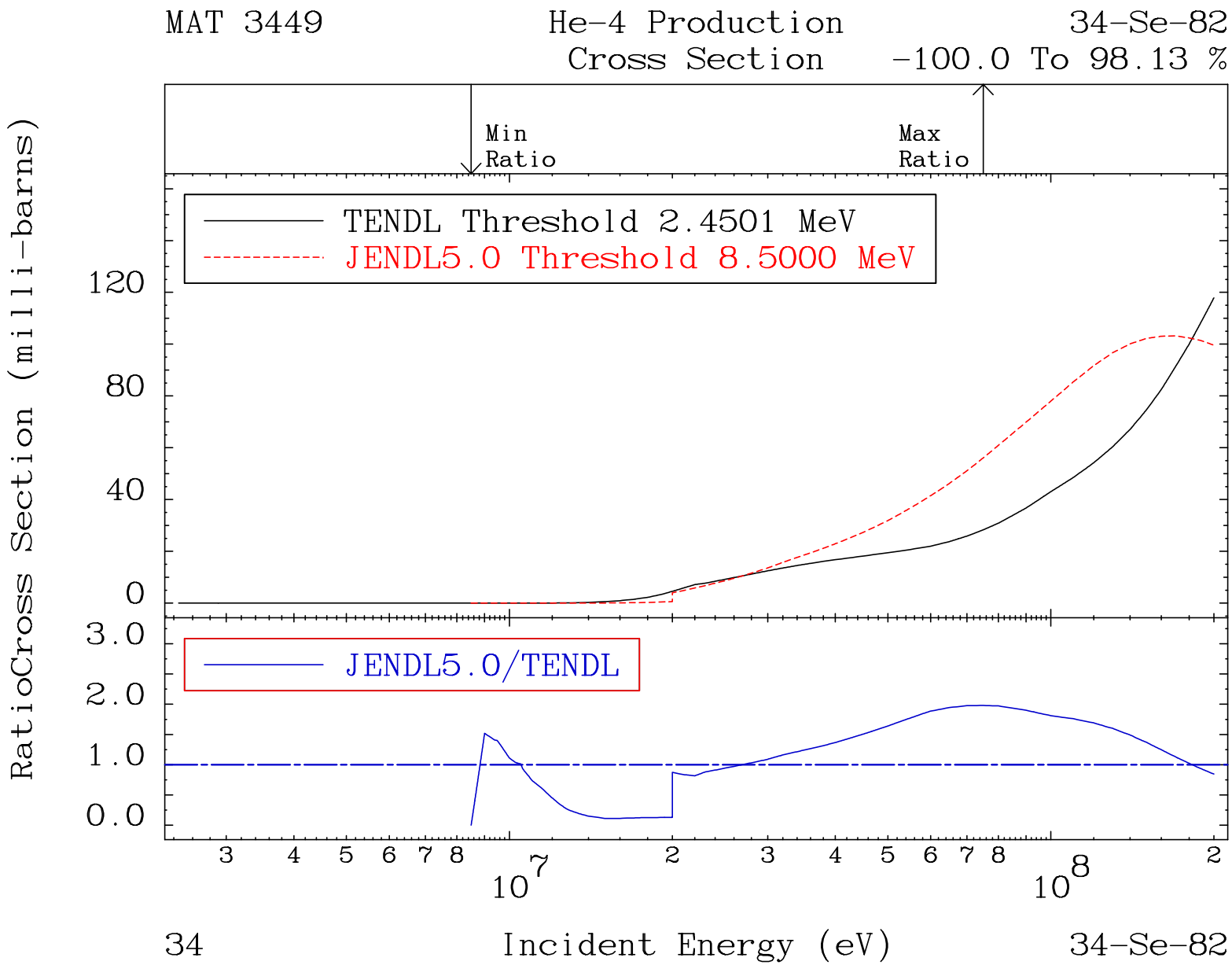

MAT 3449
(n,α)
34-Se-82
Cross Section
-100.0 To 51.76 %
Min Ratio
Max Ratio
TENDL Threshold 2.4501 MeV
JENDL5.0 Threshold 8.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
29
34-Se-82

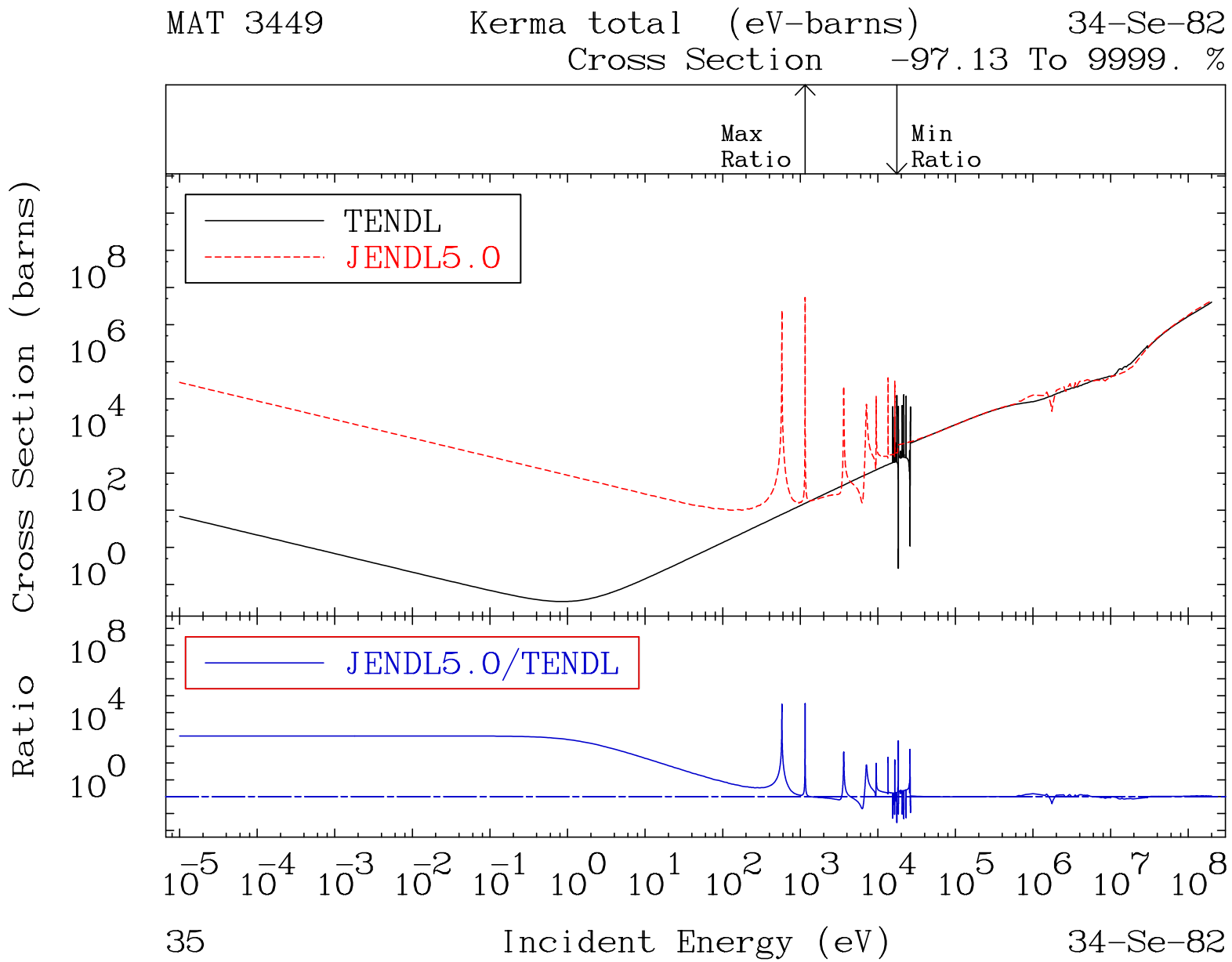

MAT 3449
Hydrogen Production
34-Se-82
Cross Section
-100.0 To 612.8 %
Max
Ratio
TENDL Threshold 6.7887 MeV
JENDL5.0 Threshold 8.0000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
800
600
400
200
0
8
4
0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
30
Incident Energy (eV)
34-Se-82

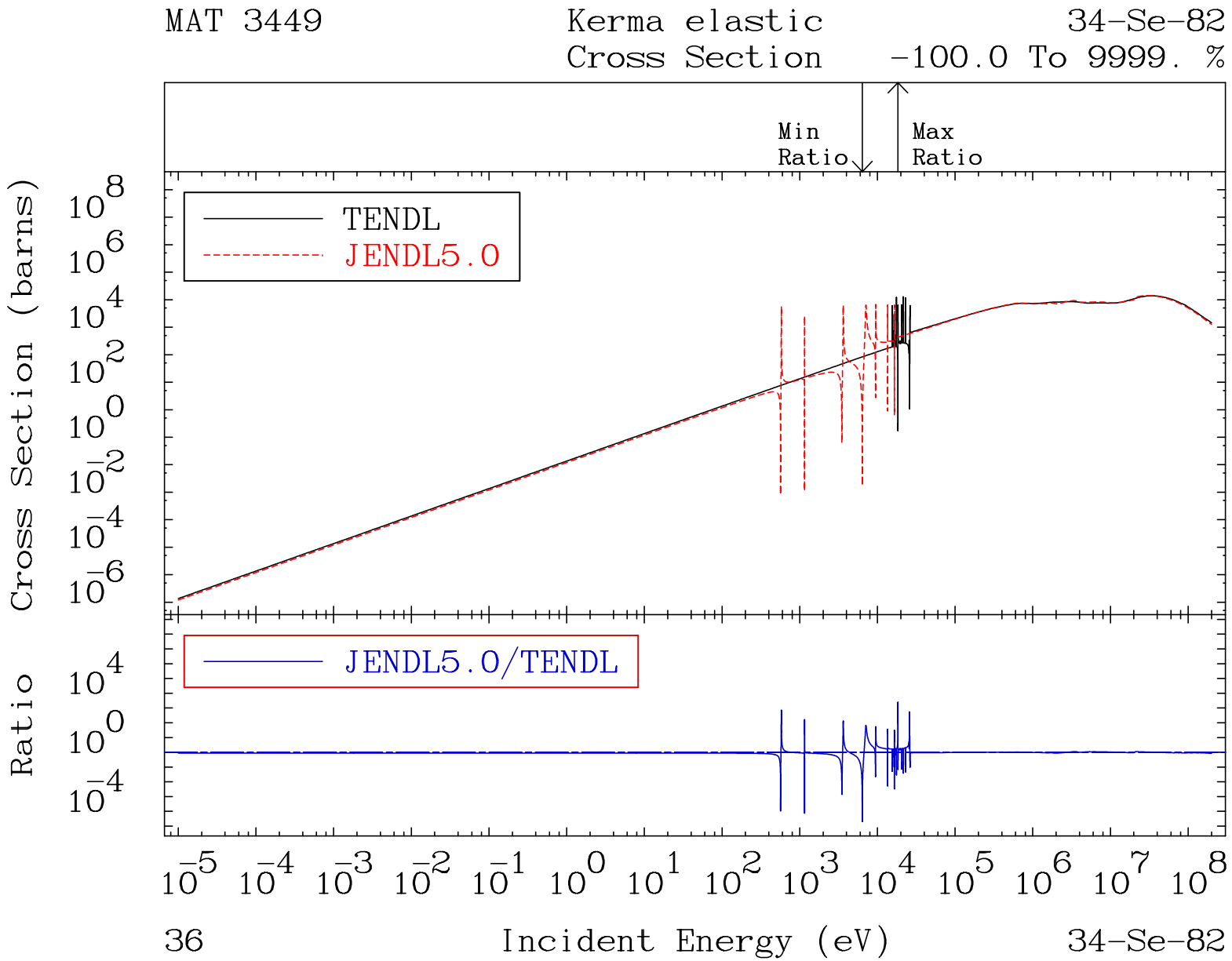

MAT 3449
Deuterium Production
34-Se-82
Cross Section
-100.0 To 1296. %
Max
Ratio
TENDL Threshold 10.250 MeV
JENDL5.0 Threshold 12.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
20
10
0
10^7
2
3
4
5
6
7
8
9
10^8
2
31
Incident Energy (eV)
34-Se-82

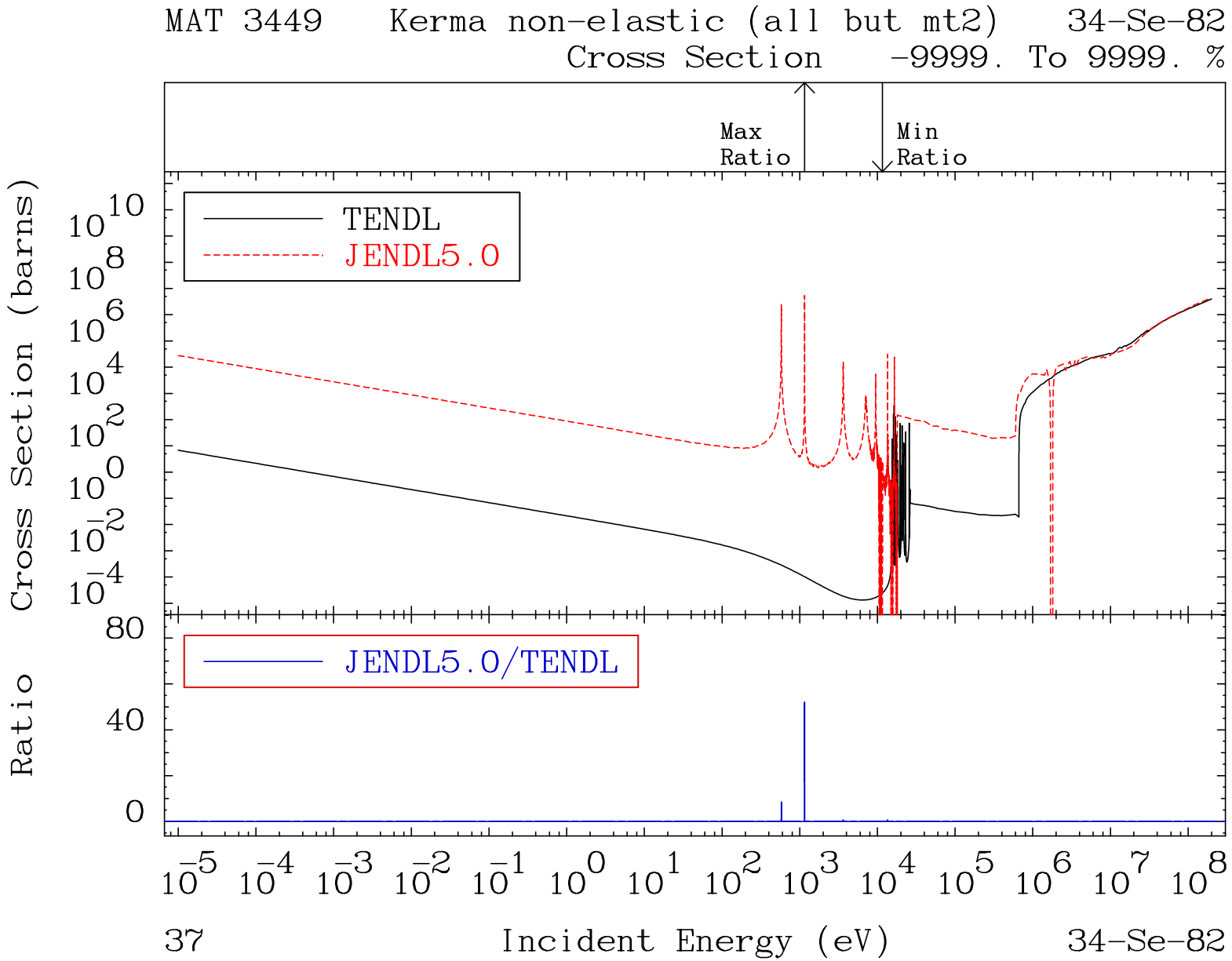

MAT 3449
Tritium Production
34-Se-82
Cross Section
-100.0 To 452.9 %
Max
Ratio
TENDL Threshold 12.409 MeV
JENDL5.0 Threshold 14.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
80
60
40
20
0
8
4
0
2
3
4
5
6
7
8
9
10^8
2
32
Incident Energy (eV)
34-Se-82

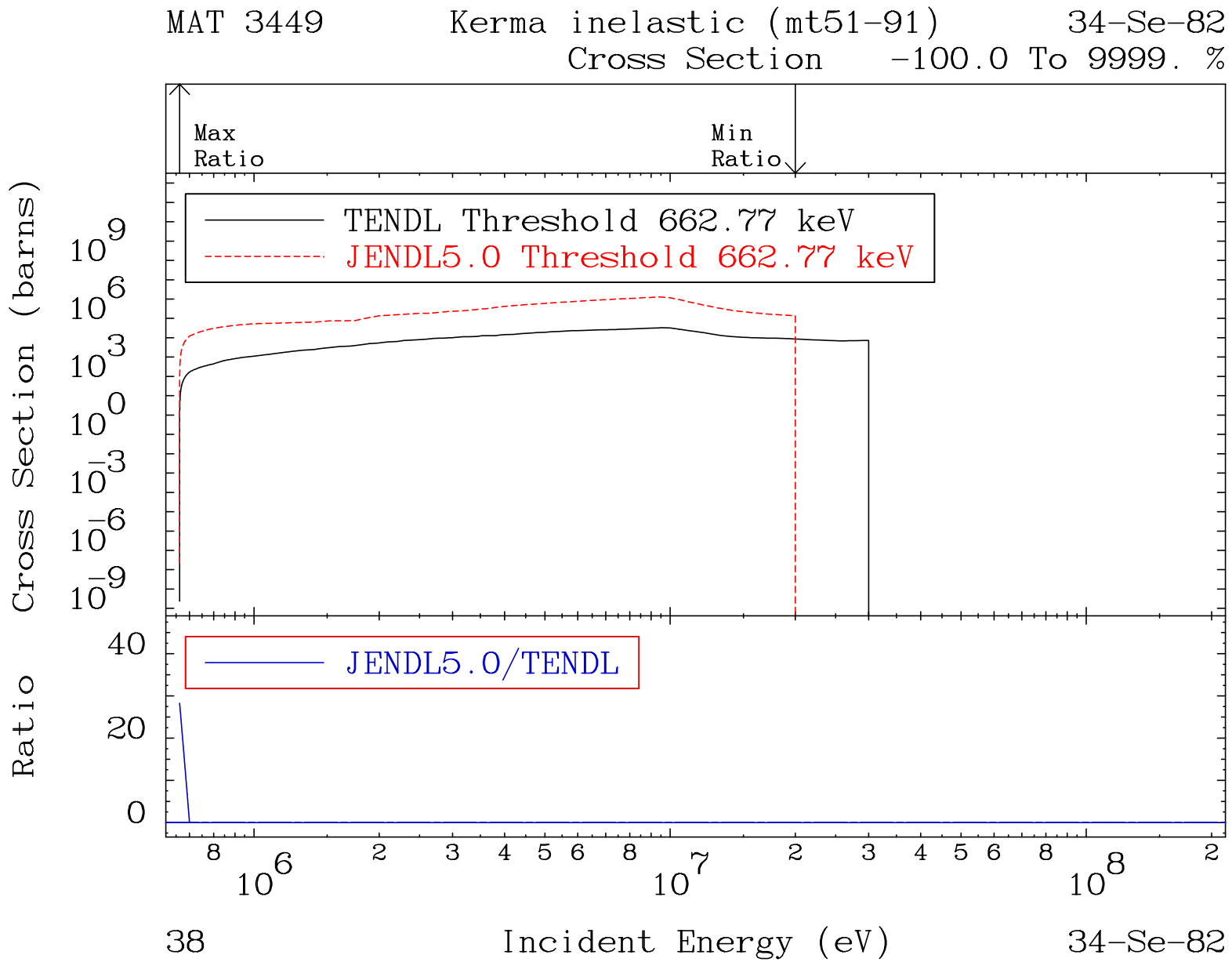

MAT 3449
He-3 Production
Cross Section
34-Se-82
-100.0 To 1652. %
Min Ratio
Max Ratio
TENDL Threshold 15.102 MeV
JENDL5.0 Threshold 19.000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
20
10
0
2
3
4
5
6
7
8
9
10^8
2
33
Incident Energy (eV)
34-Se-82

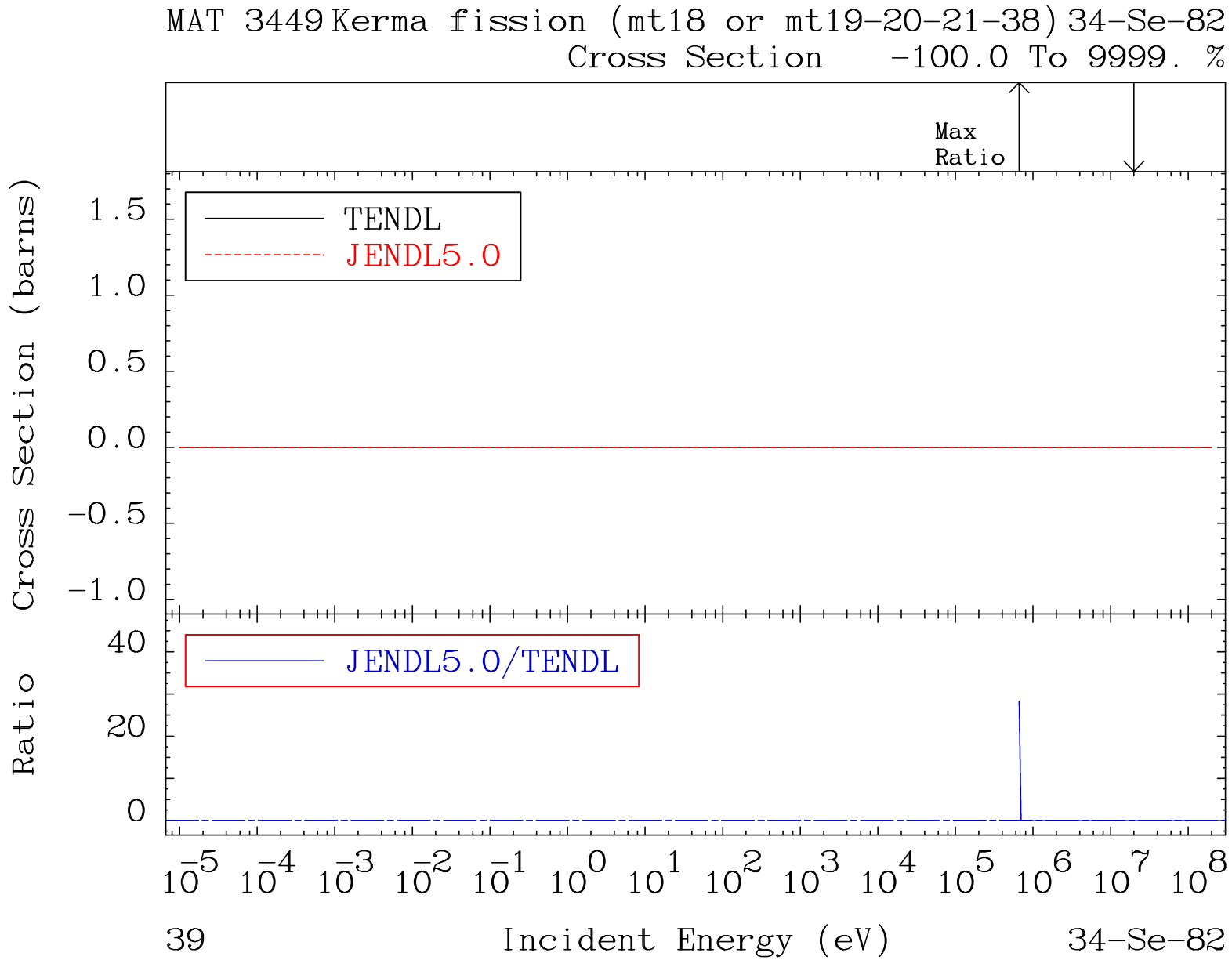

MAT 3449
He-4 Production
Cross Section
34-Se-82
-100.0 To 98.13 %
Min
Ratio
Max
Ratio
TENDL Threshold 2.4501 MeV
JENDL5.0 Threshold 8.5000 MeV
JENDL5.0/TENDL
RatioCross Section (milli-barns)
120
80
40
0
3.0
2.0
1.0
0.0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
34
Incident Energy (eV)
34-Se-82

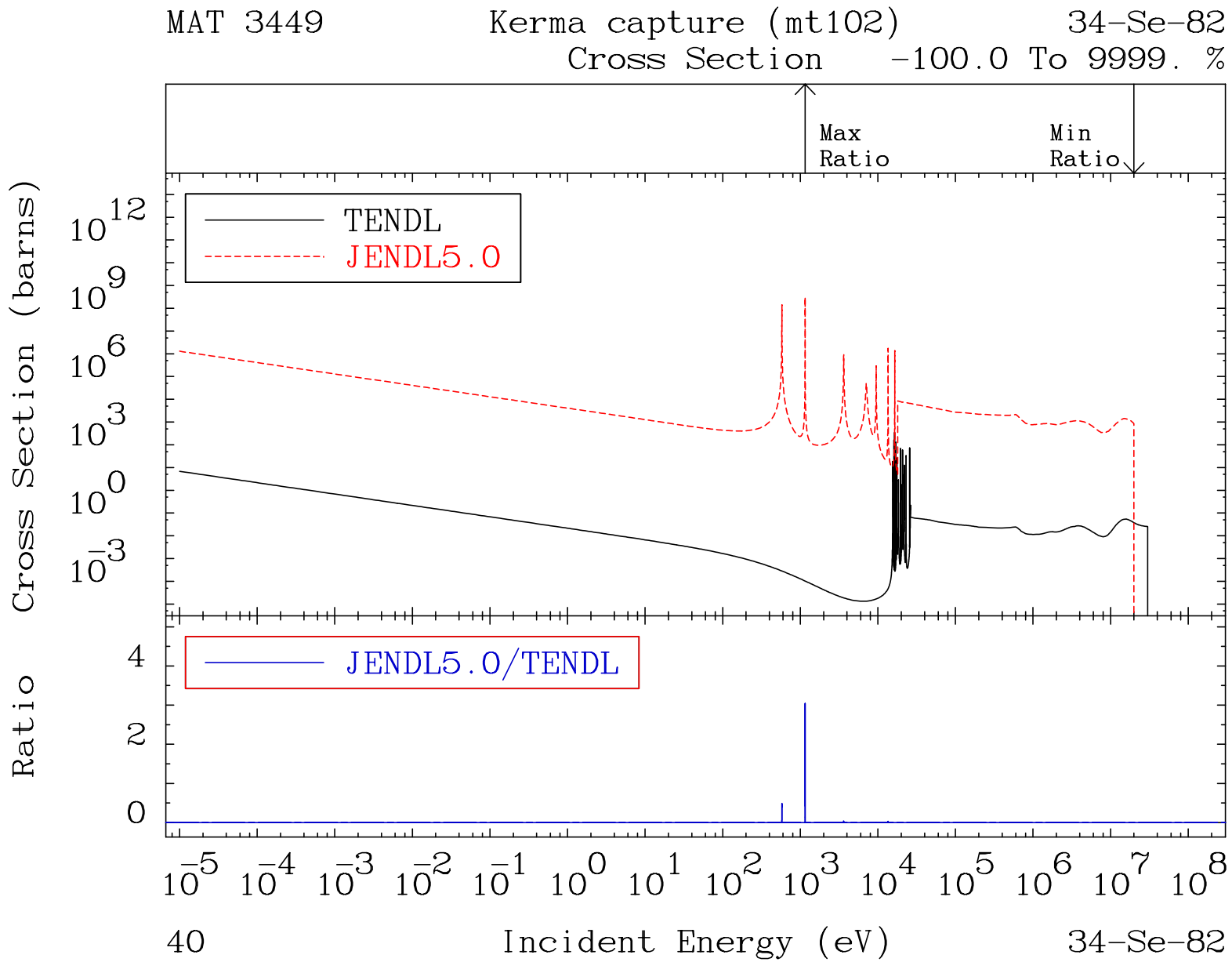

MAT 3449
Kerma total (eV-barns)
34-Se-82
Cross Section -97.13 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
35
34-Se-82

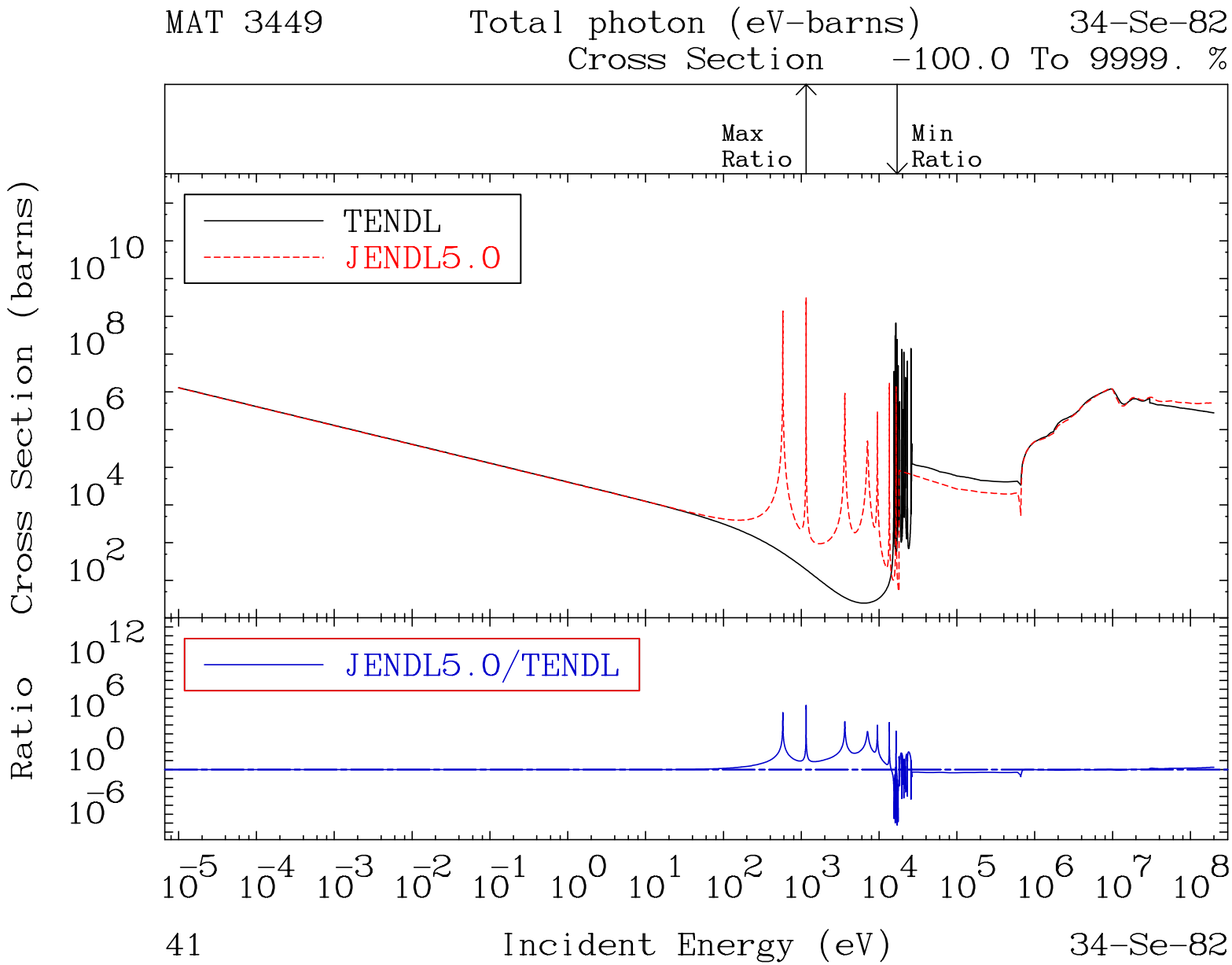

MAT 3449
Kerma elastic
Cross Section
34-Se-82
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
36
34-Se-82

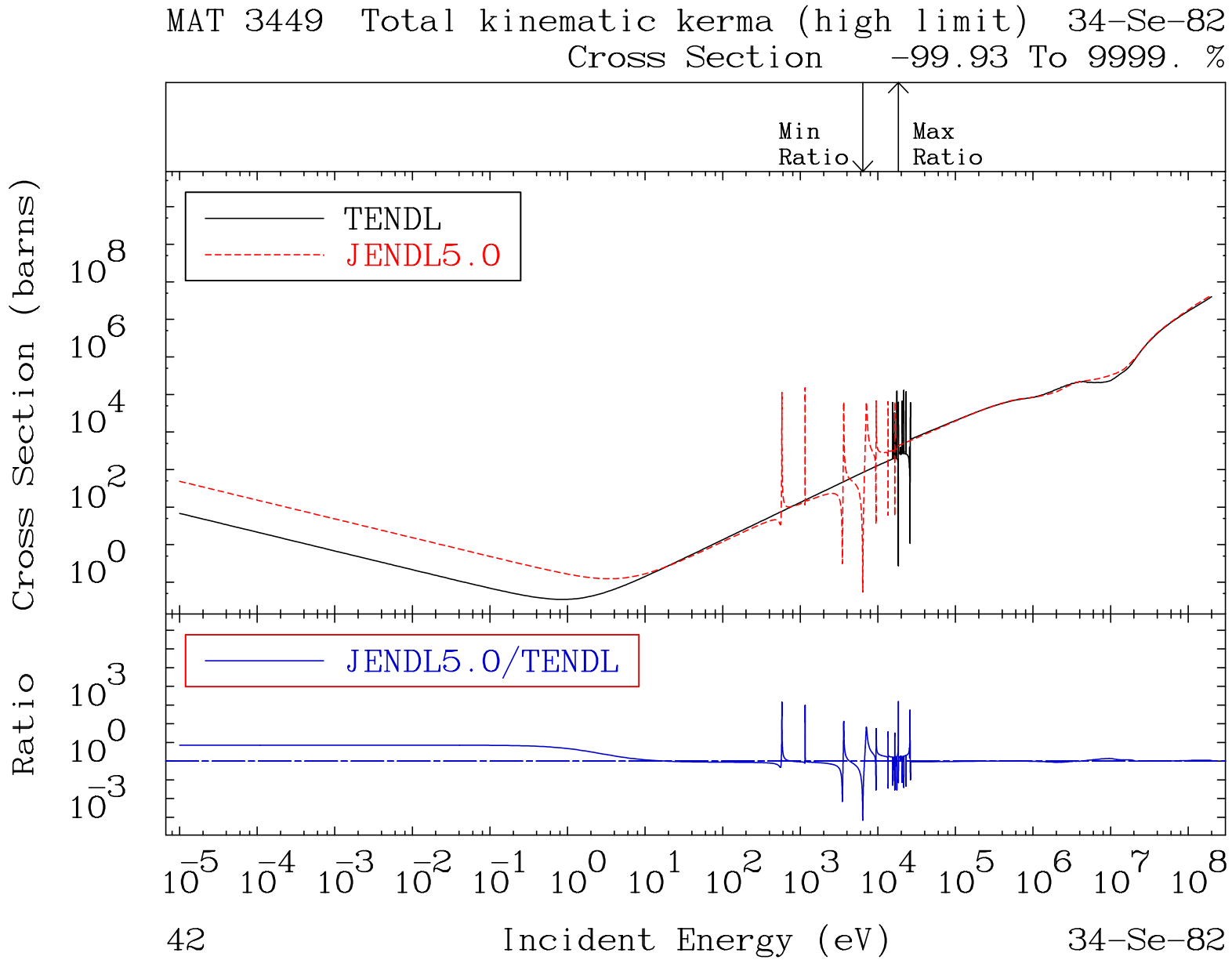

MAT 3449 Kerma non-elastic (all but mt2) 34-Se-82
Cross Section -9999. To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
37
34-Se-82

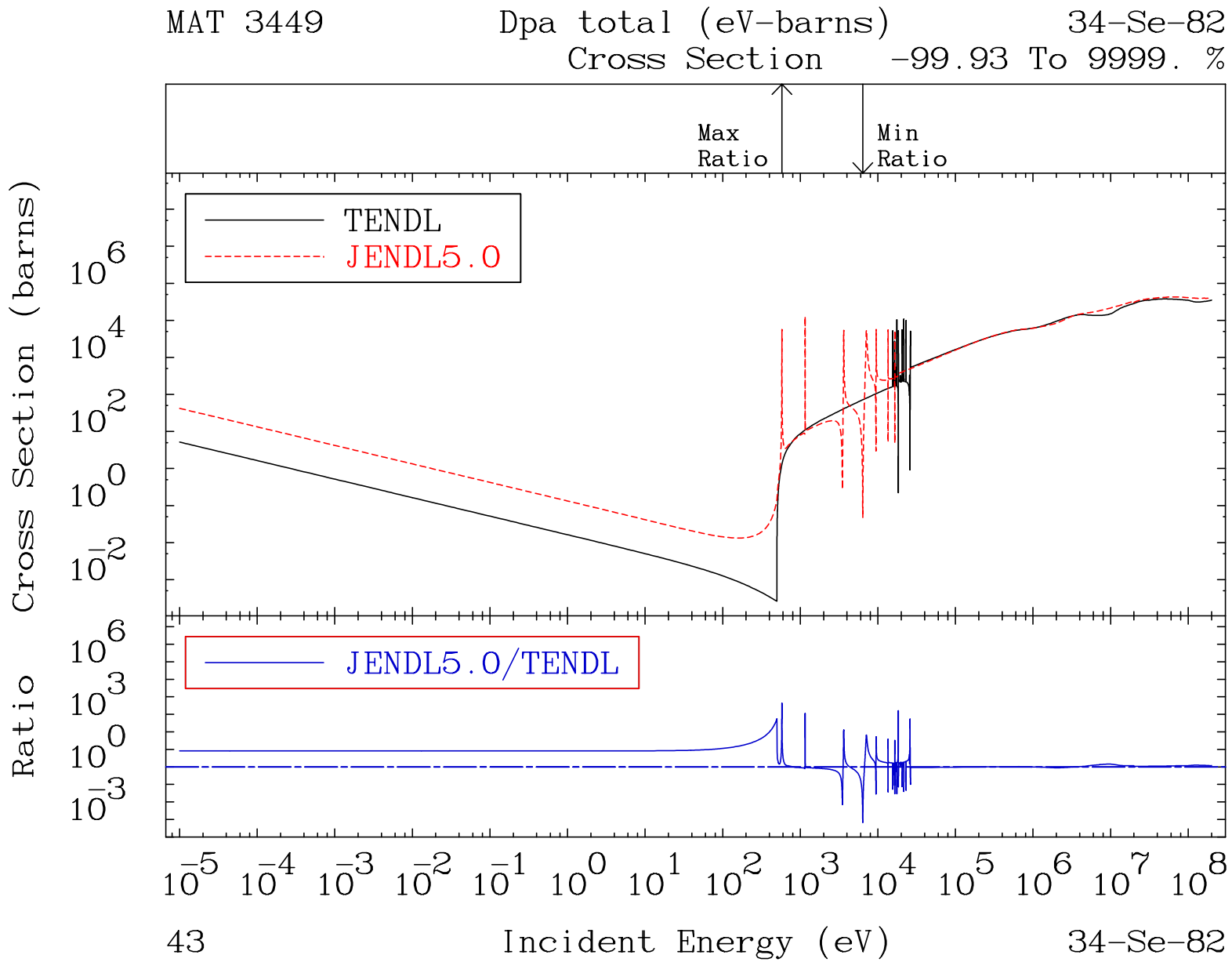

MAT 3449
Kerma inelastic (mt51-91)
34-Se-82
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 662.77 keV
JENDL5.0 Threshold 662.77 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
38
34-Se-82

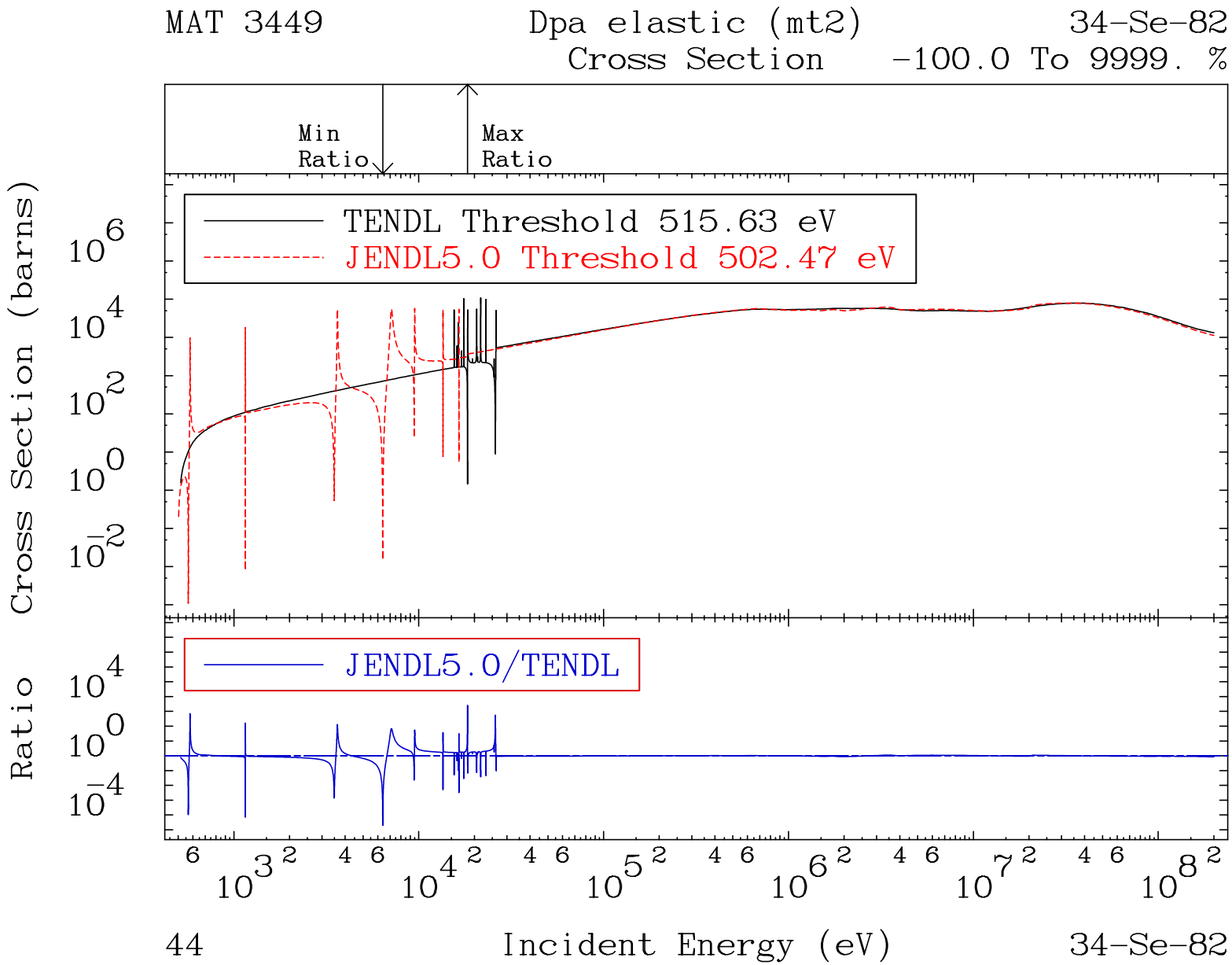

MAT 3449 Kerma fission (mt18 or mt19-20-21-38) 34-Se-82
Cross Section -100.0 To 9999. %
Max
Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
40
20
0
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
39
Incident Energy (eV)
34-Se-82

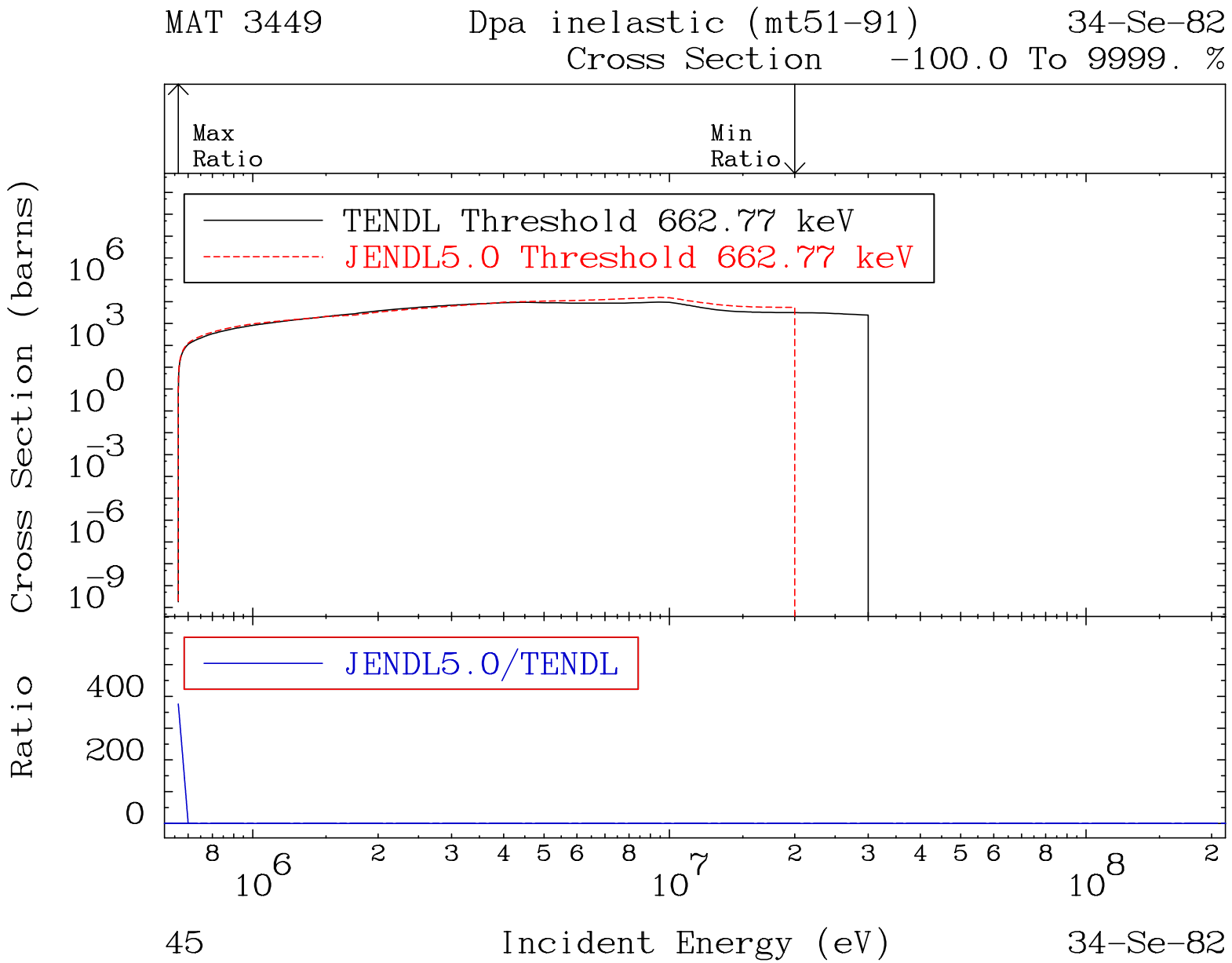

MAT 3449
Kerma capture (mt102)
34-Se-82
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
40
34-Se-82

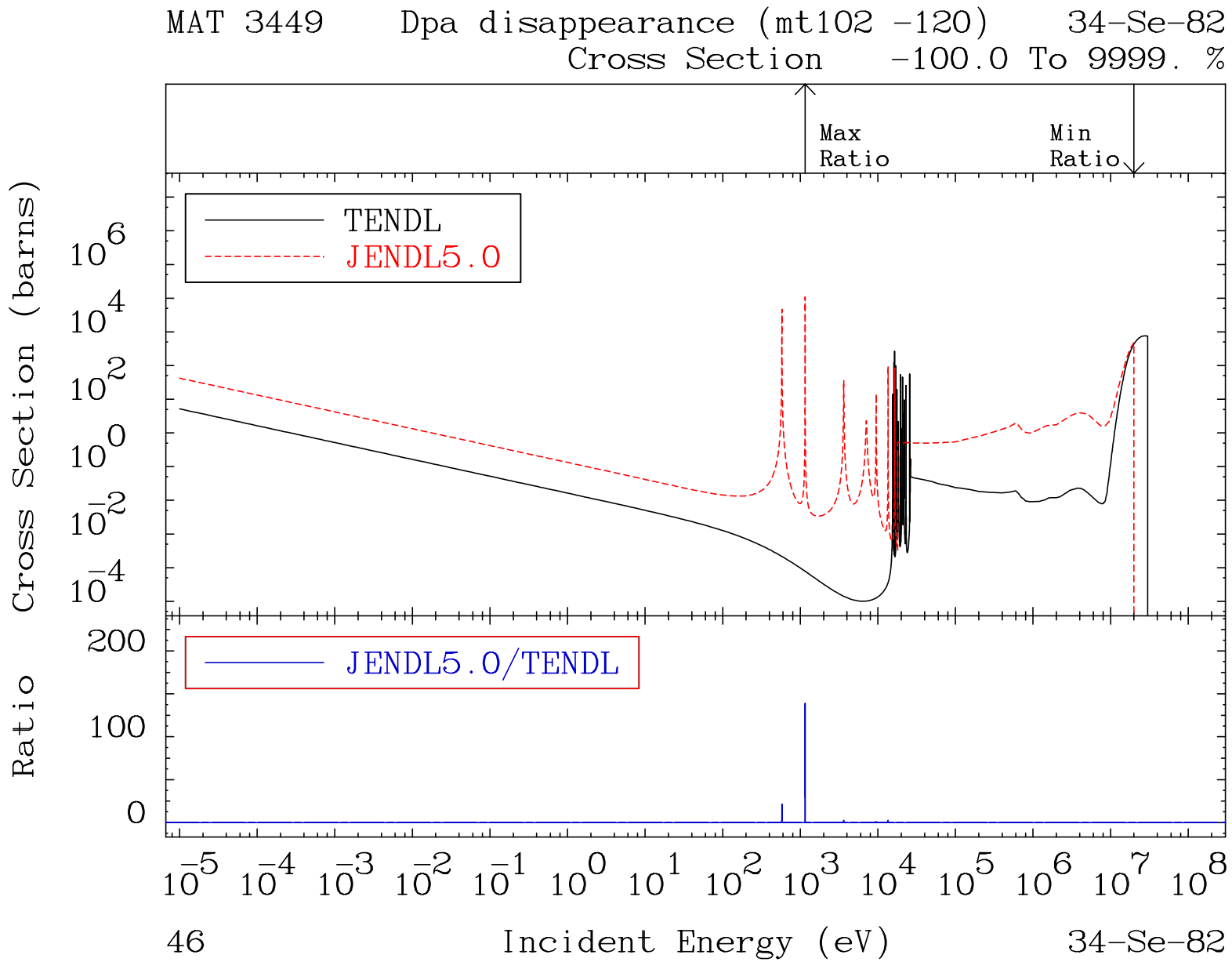

MAT 3449
Total photon (eV-barns)
34-Se-82
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
41
34-Se-82

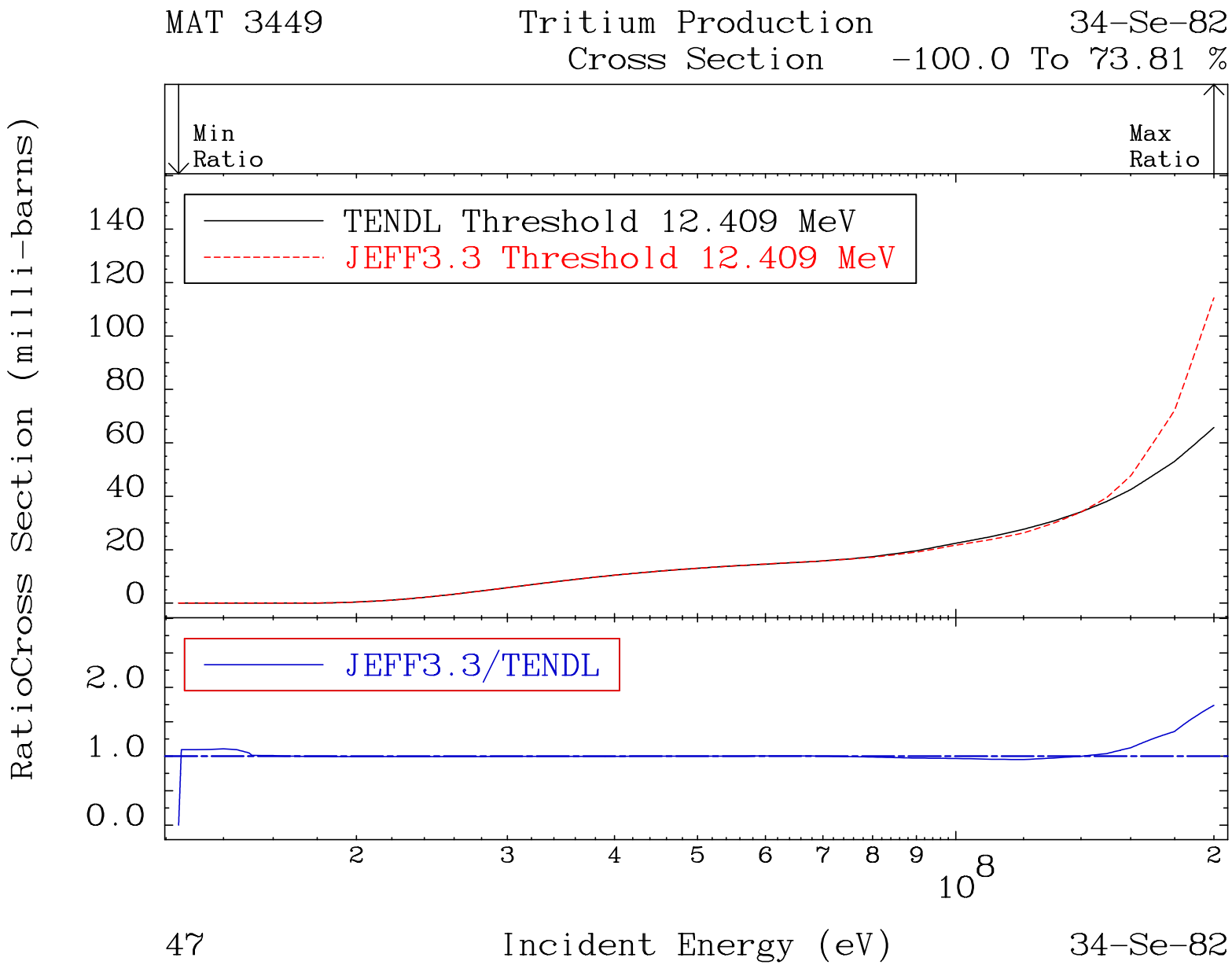

MAT 3449 Total kinematic kerma (high limit) 34-Se-82
Cross Section -99.93 To 9999. %
Min Ratio
Max Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
42
34-Se-82

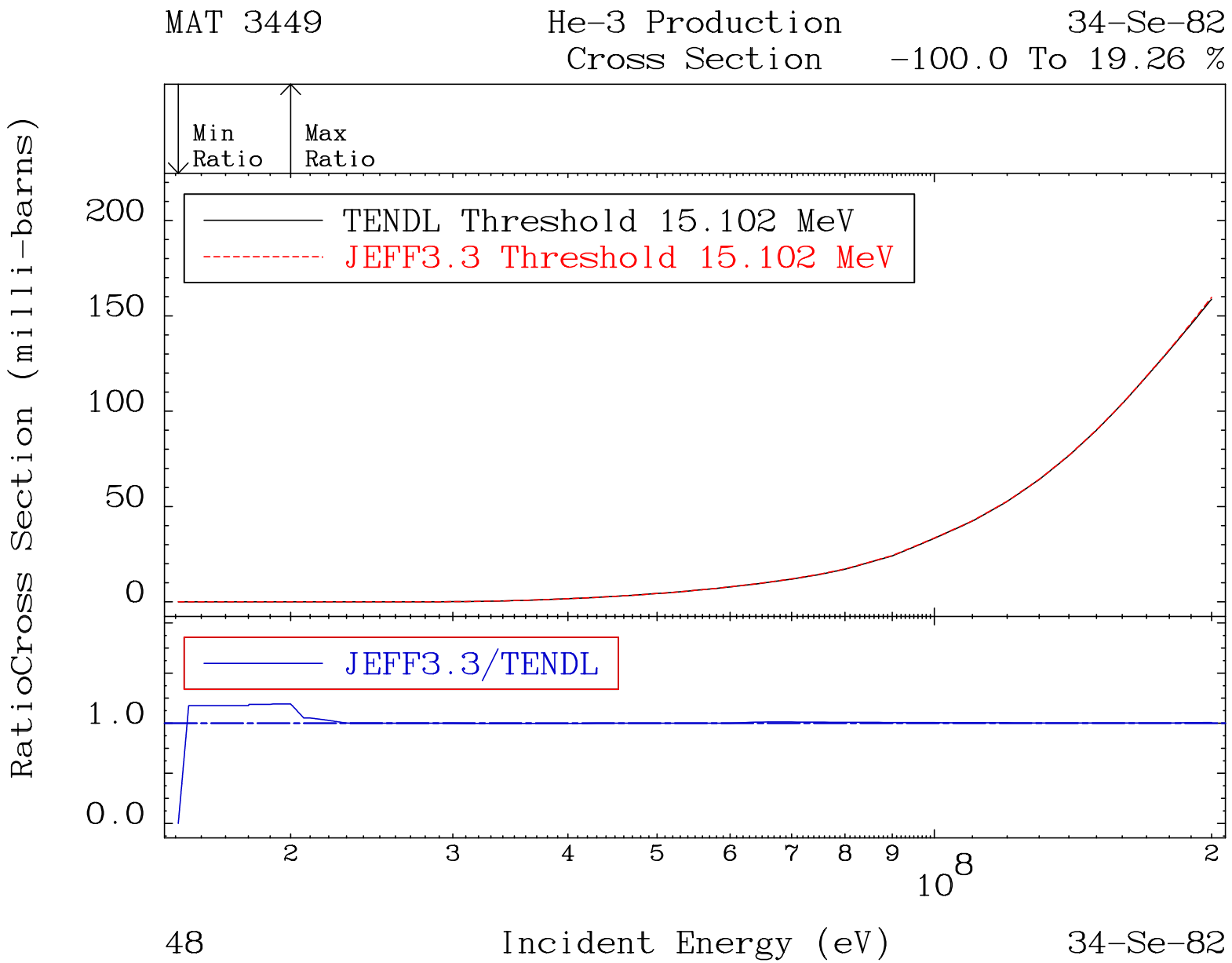

MAT 3449
Dpa total (eV-barns)
34-Se-82
Cross Section
-99.93 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
JENDL5.0/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
43
34-Se-82

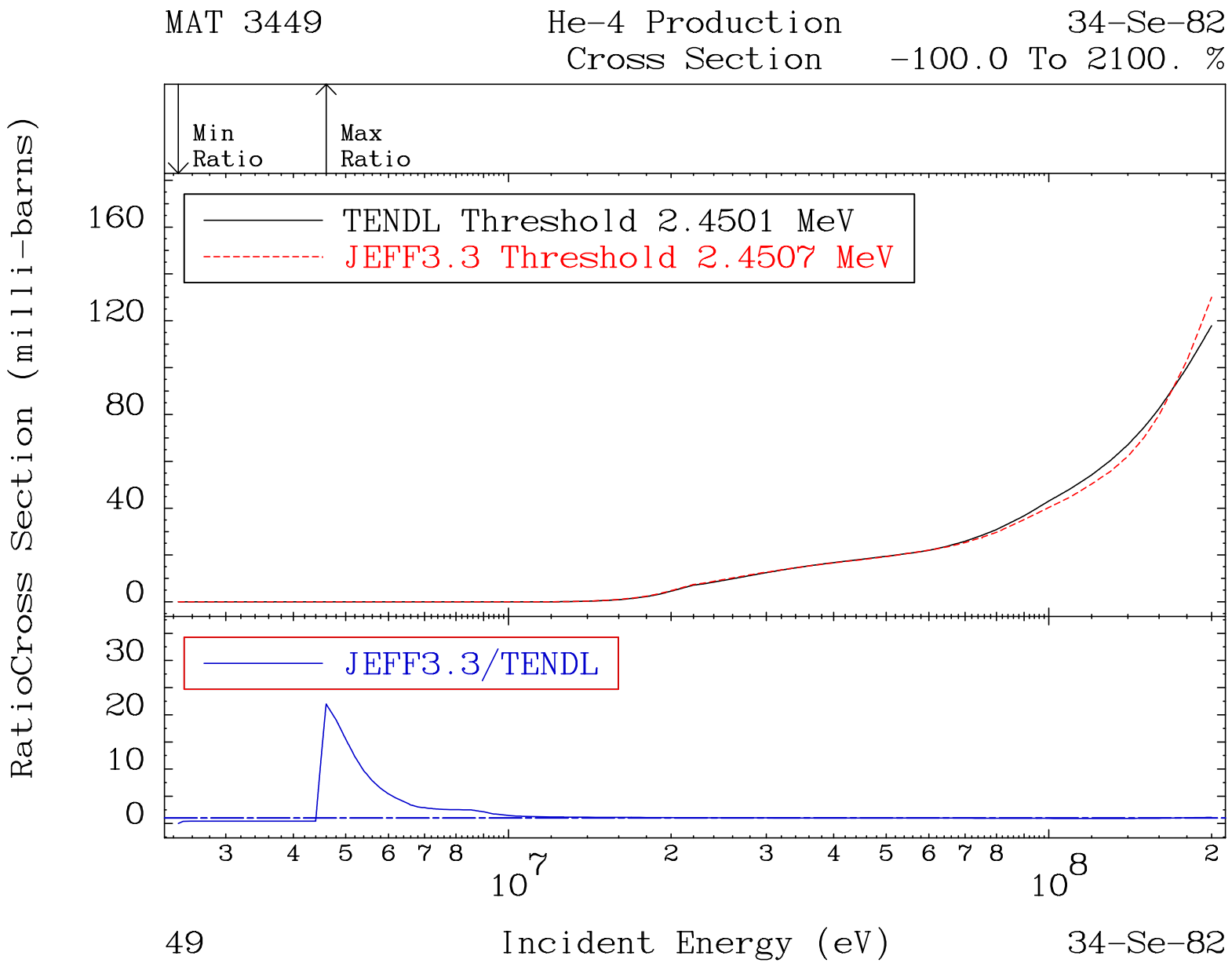

MAT 3449
Dpa elastic (mt2)
Cross Section
34-Se-82
-100.0 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 515.63 eV
JENDL5.0 Threshold 502.47 eV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
44
34-Se-82

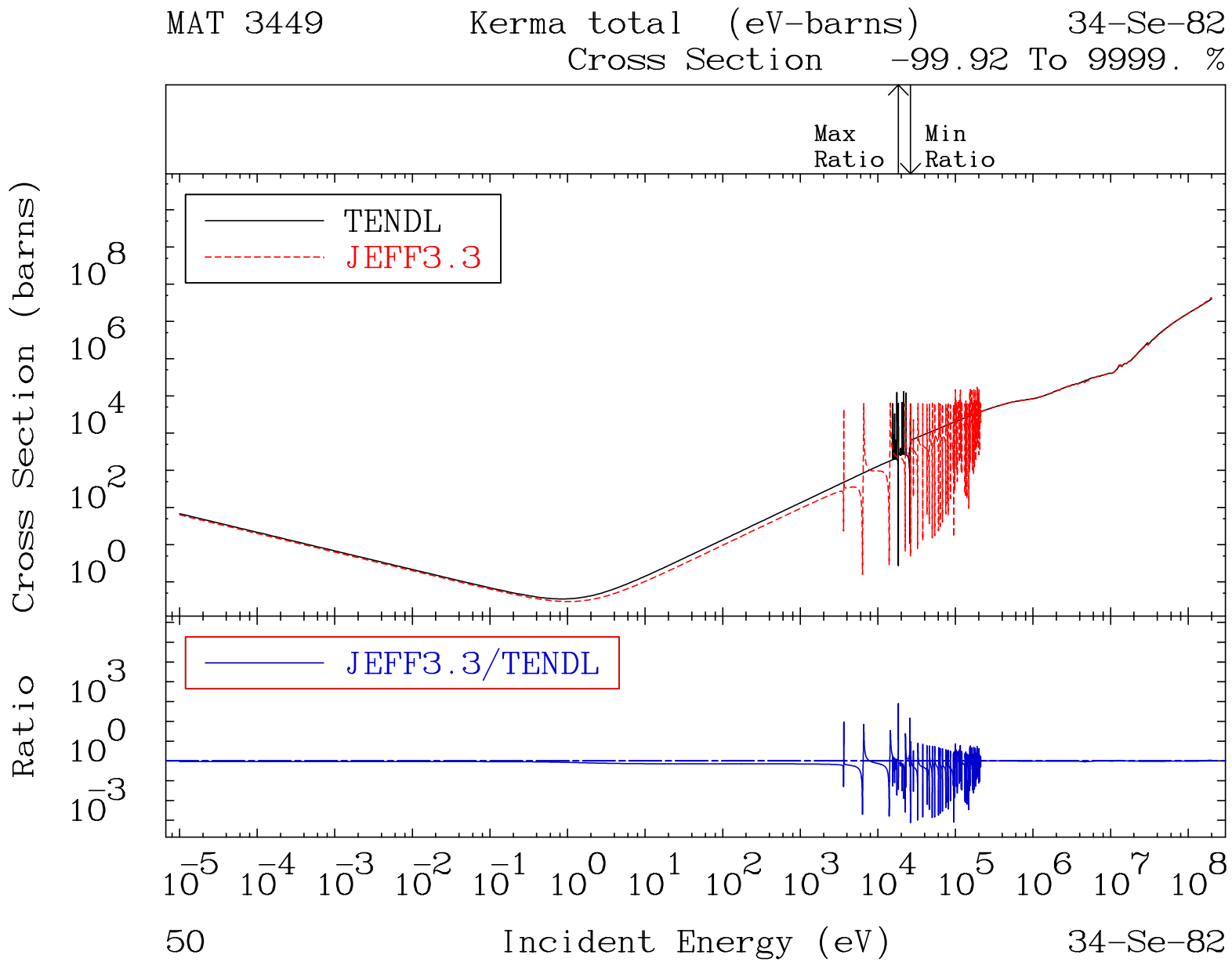

MAT 3449
Dpa inelastic (mt51-91)
34-Se-82
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 662.77 keV
JENDL5.0 Threshold 662.77 keV
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
45
34-Se-82

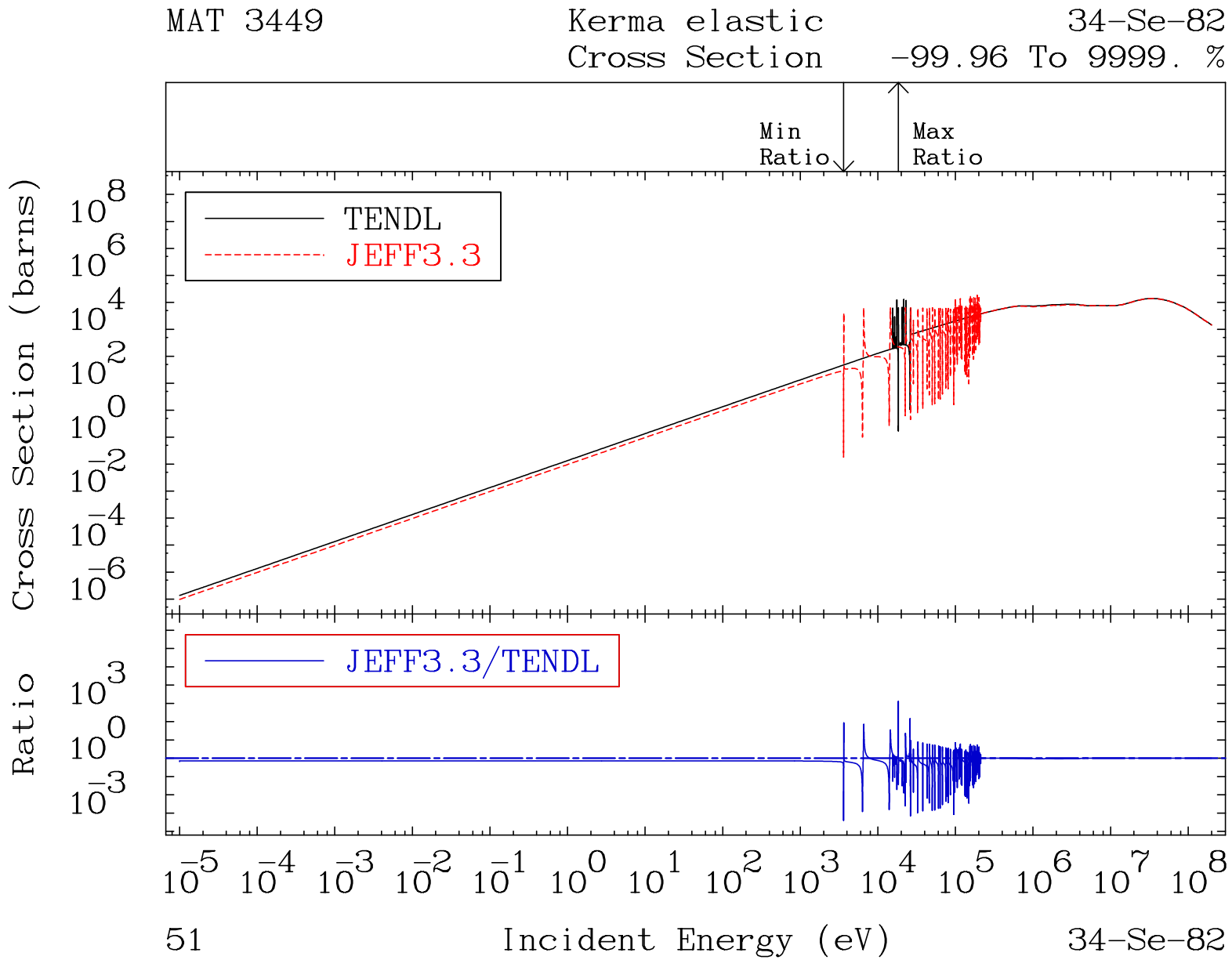

MAT 3449 Dpa disappearance (mt102 -120) 34-Se-82
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JENDL5.0
Cross Section (barns)
JENDL5.0/TENDL
Ratio
Incident Energy (eV)
46
34-Se-82

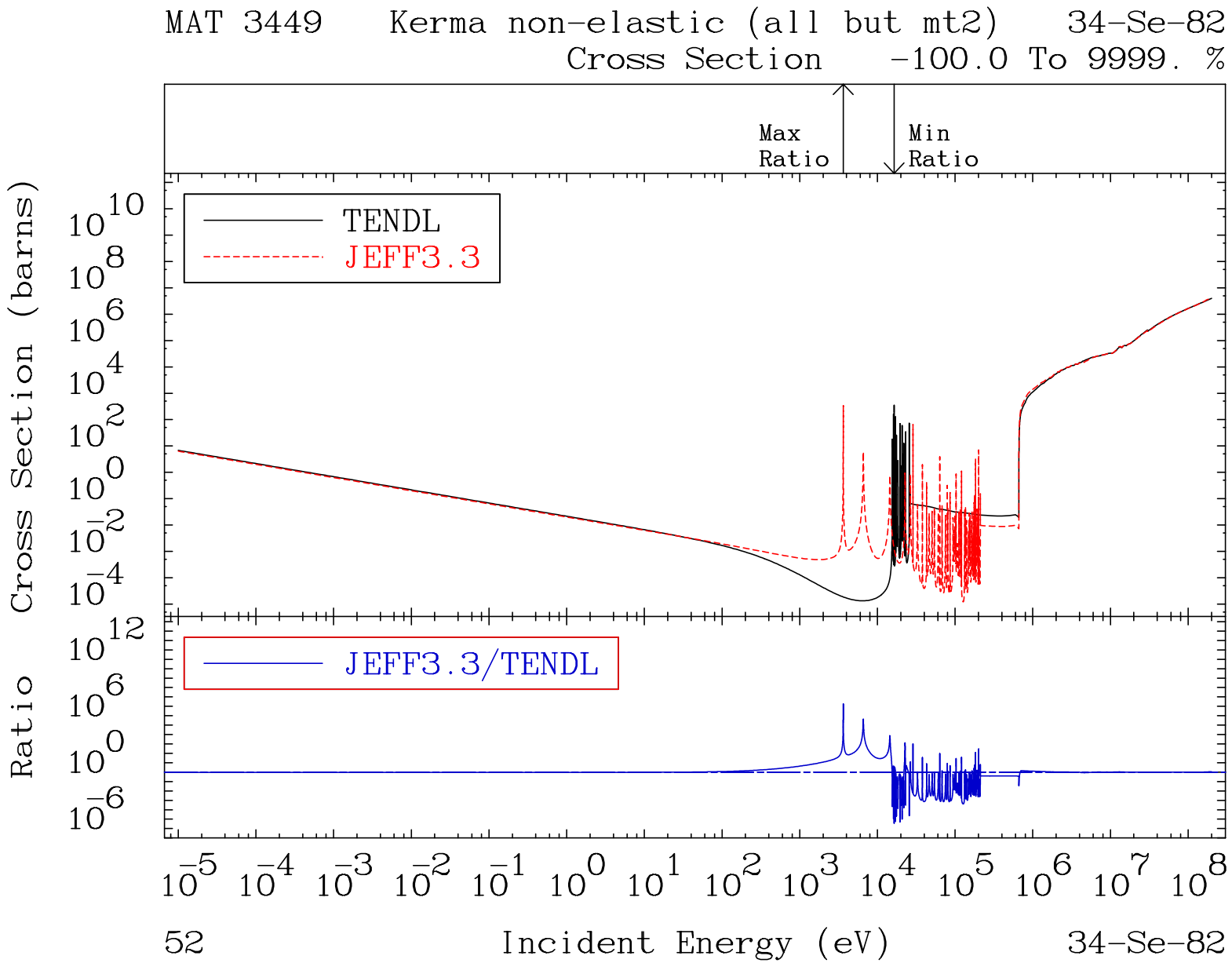

MAT 3449
Tritium Production
34-Se-82
Cross Section
-100.0 To 73.81 %
Min
Ratio
Max
Ratio
TENDL Threshold 12.409 MeV
JEFF3.3 Threshold 12.409 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
140
120
100
80
60
40
20
0
2.0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
47
Incident Energy (eV)
34-Se-82

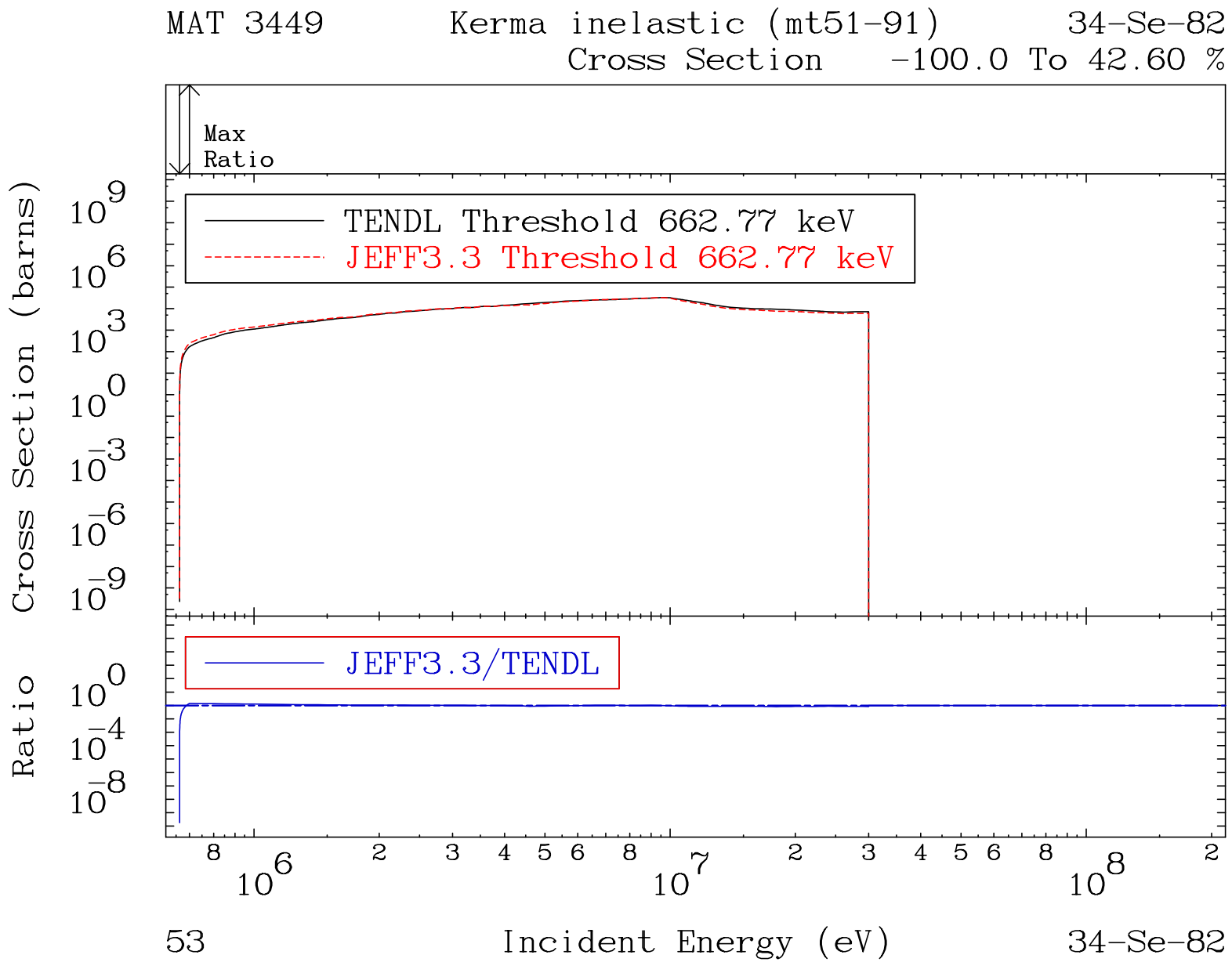

MAT 3449
He-3 Production
Cross Section
34-Se-82
-100.0 To 19.26 %
Min Ratio
Max Ratio
TENDL Threshold 15.102 MeV
JEFF3.3 Threshold 15.102 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
200
150
100
50
0
1.0
0.0
2
3
4
5
6
7
8
9
10^8
2
48
Incident Energy (eV)
34-Se-82

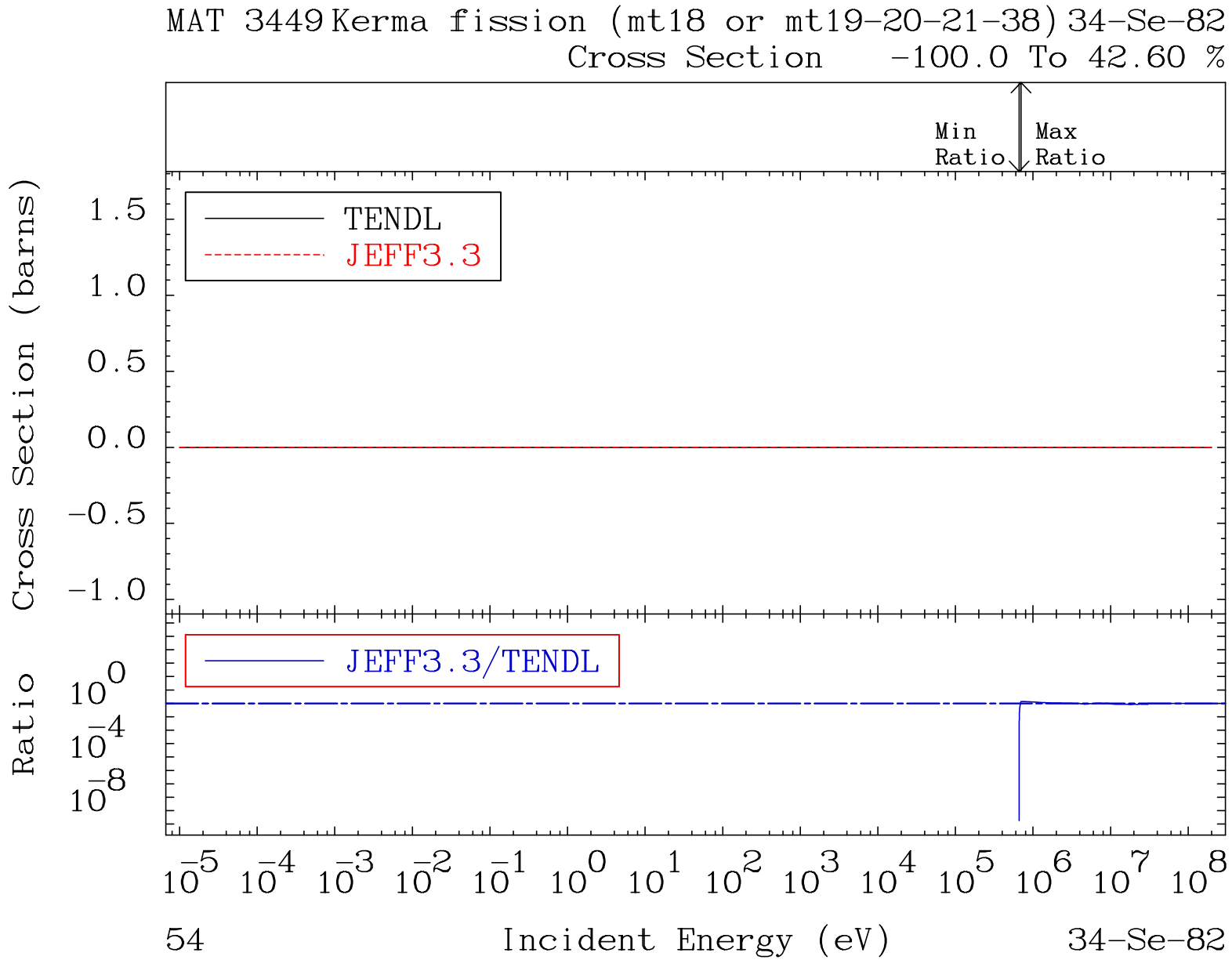

MAT 3449
He-4 Production
Cross Section
34-Se-82
-100.0 To 2100. %
Min Ratio
Max Ratio
TENDL Threshold 2.4501 MeV
JEFF3.3 Threshold 2.4507 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
160
120
80
40
0
30
20
10
0
3 4 5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
49
Incident Energy (eV)
34-Se-82

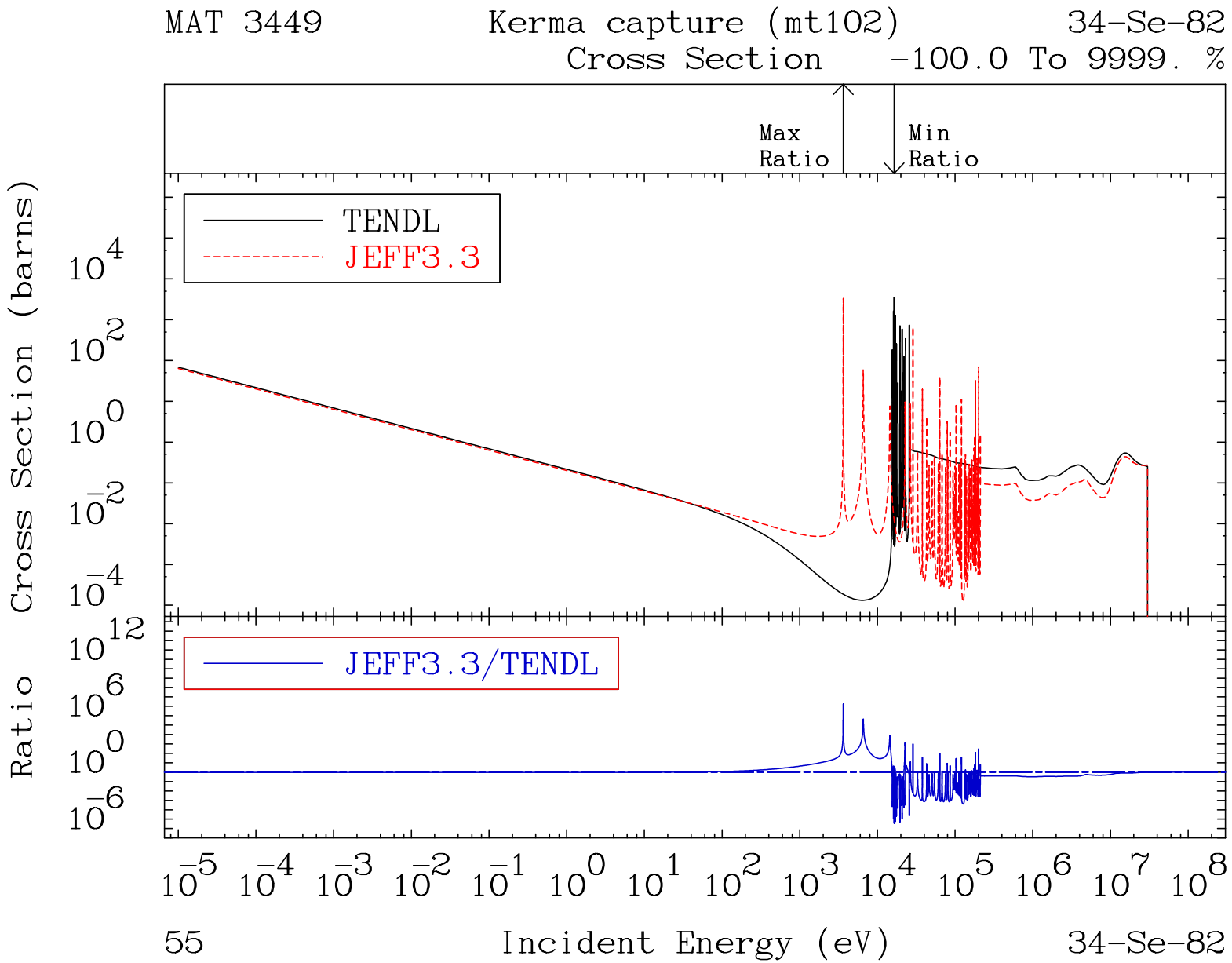

MAT 3449
Kerma total (eV-barns)
34-Se-82
Cross Section -99.92 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
50
34-Se-82

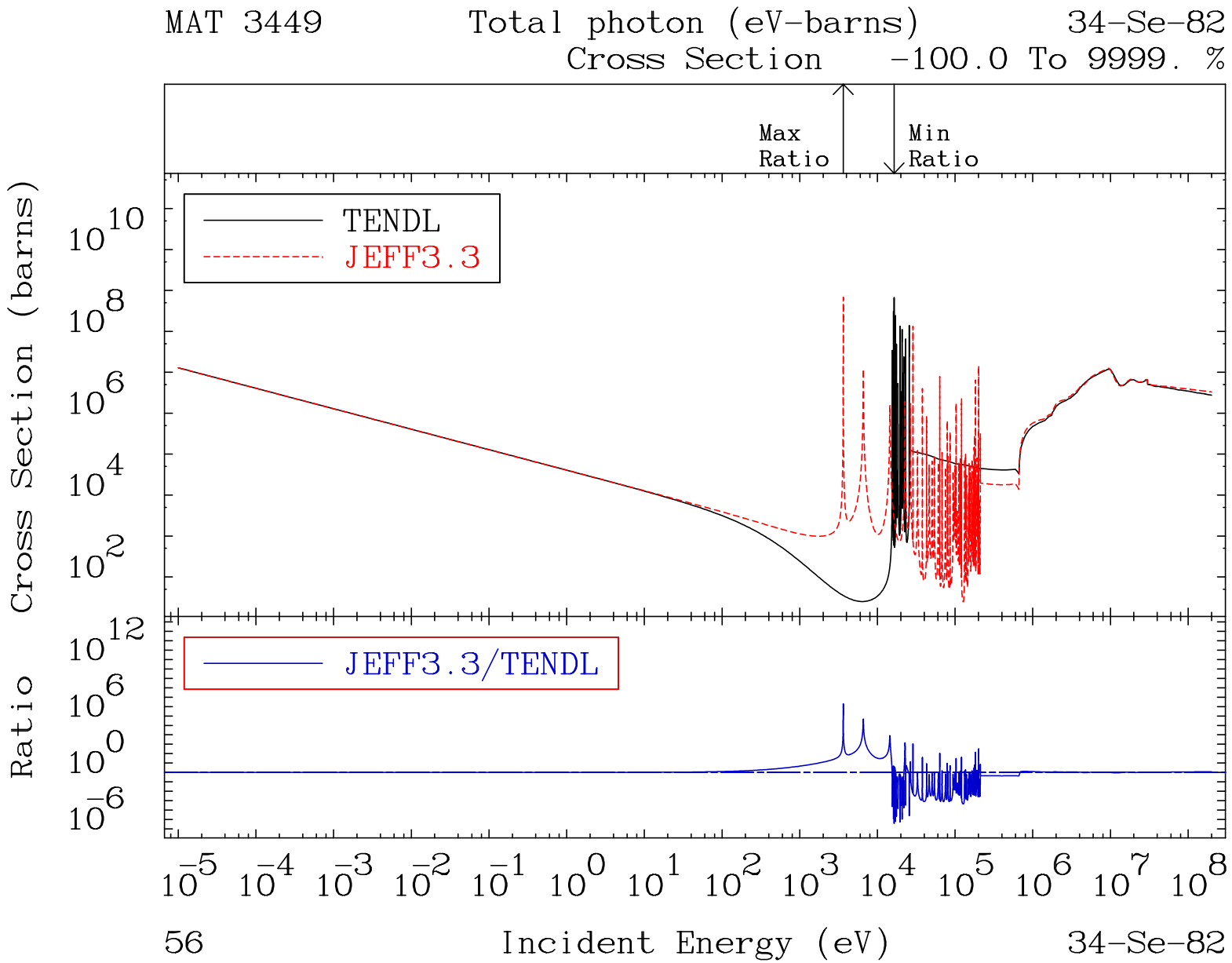

MAT 3449
Kerma elastic
Cross Section
34-Se-82
-99.96 To 9999. %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
51
34-Se-82

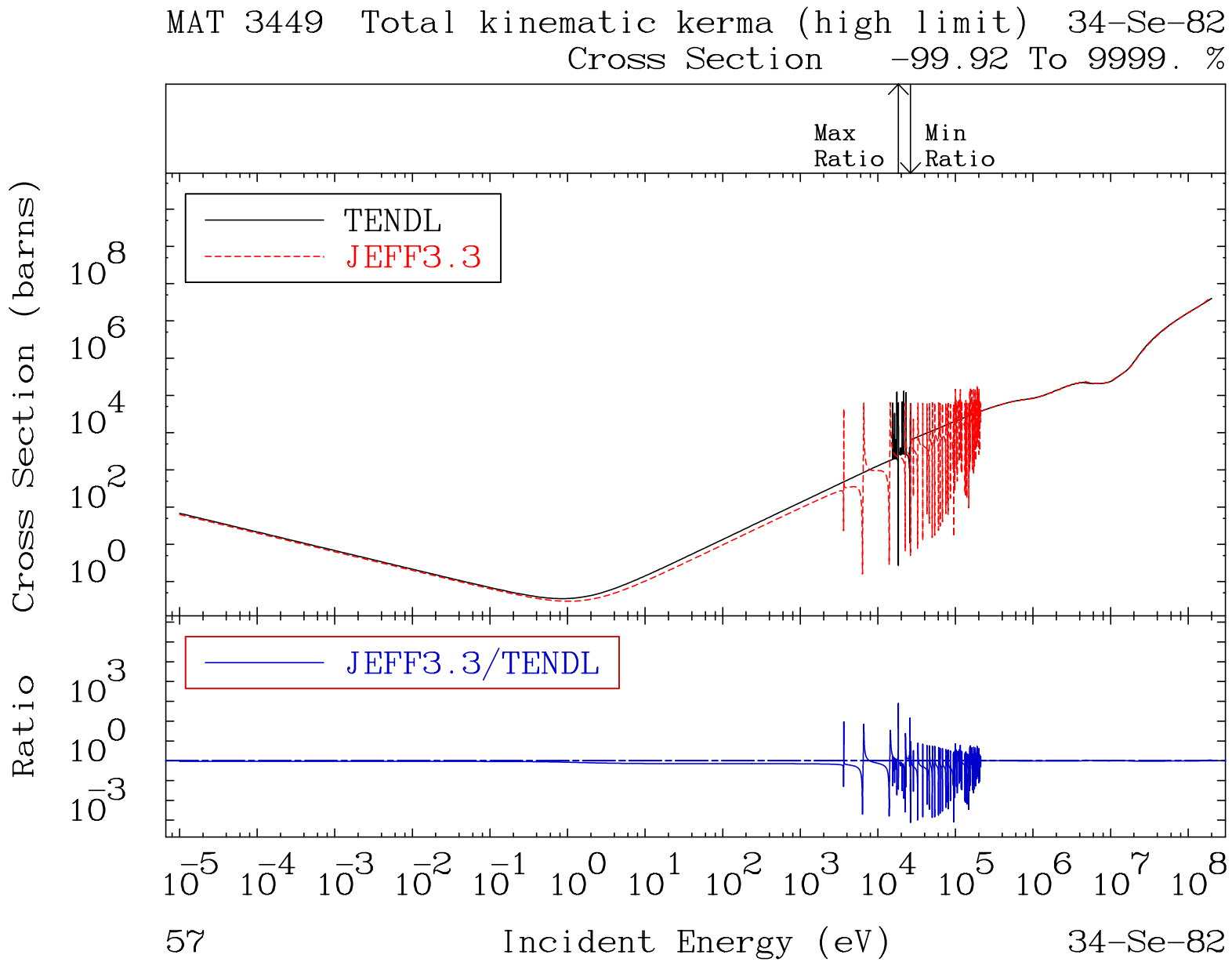

MAT 3449 Kerma non-elastic (all but mt2) 34-Se-82
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
52
34-Se-82

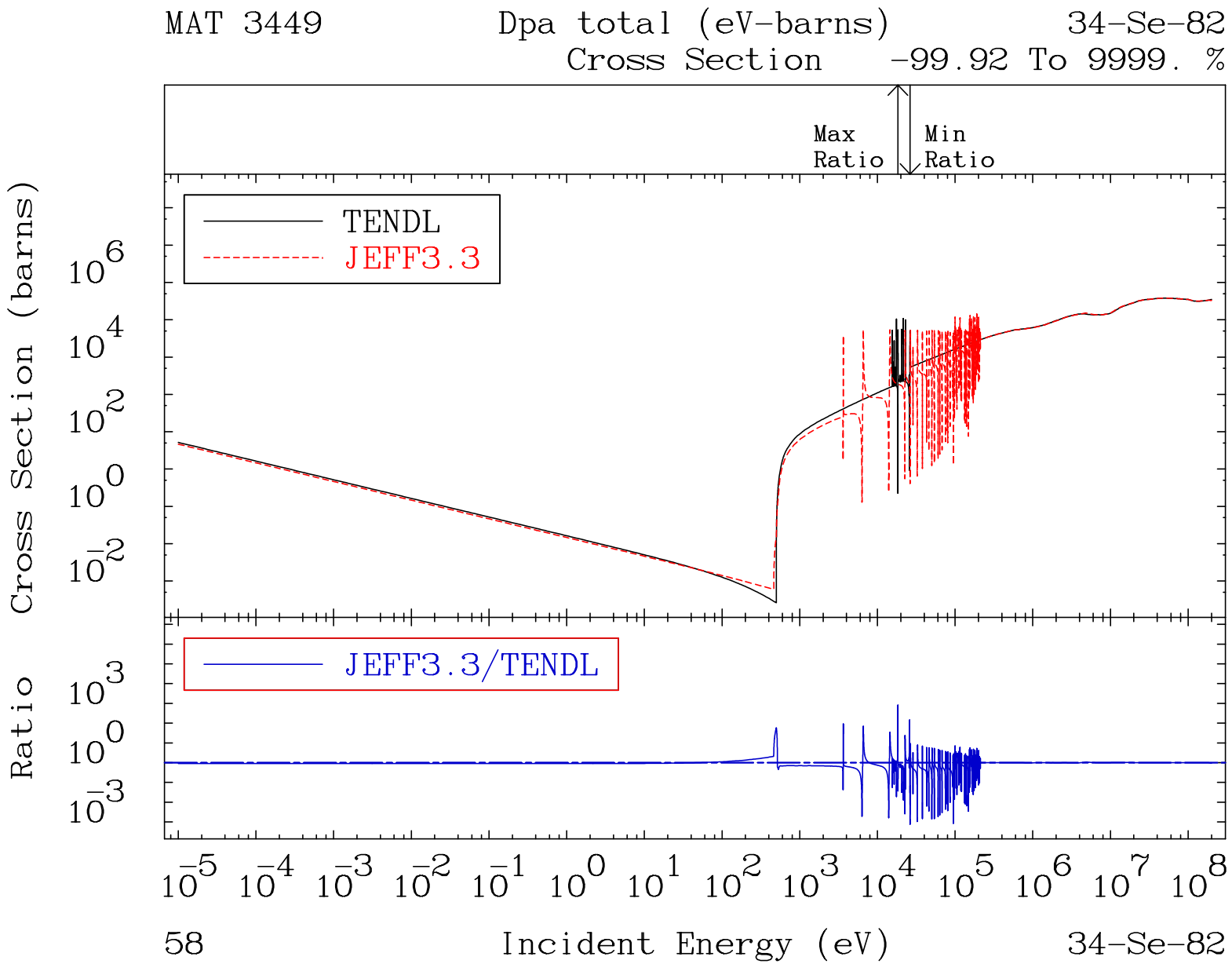

MAT 3449 Kerma inelastic (mt51-91) 34-Se-82
Cross Section -100.0 To 42.60 %
Max
Ratio
TENDL Threshold 662.77 keV
JEFF3.3 Threshold 662.77 keV
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
53
34-Se-82

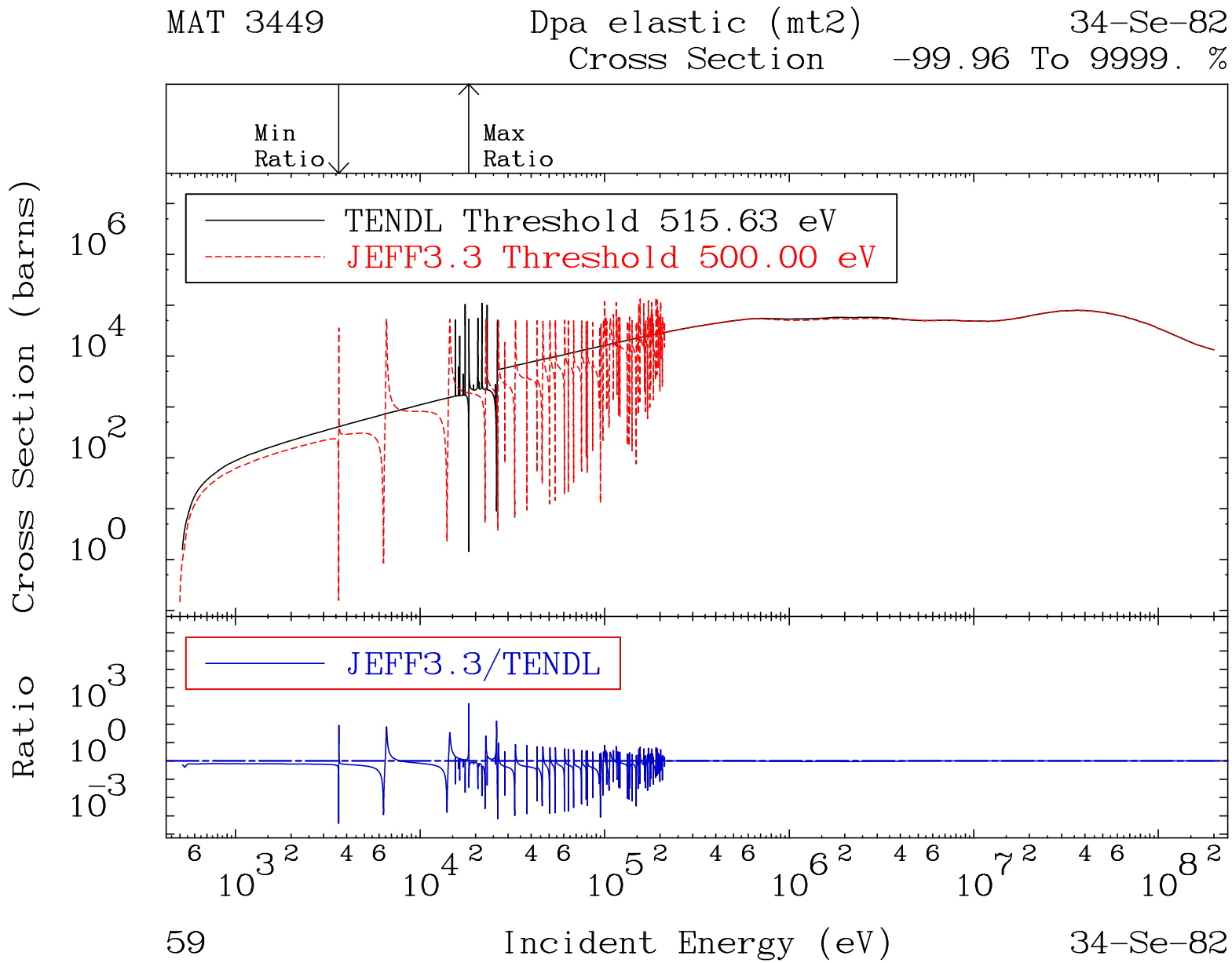

MAT 3449 Kerma fission (mt18 or mt19-20-21-38) 34-Se-82
Cross Section -100.0 To 42.60 %
Min Ratio
Max Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
1.5
1.0
0.5
0.0
-0.5
-1.0
10^{0}
10^{-4}
10^{-8}
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^{0} 10^{1} 10^{2} 10^{3} 10^{4} 10^{5} 10^{6} 10^{7} 10^{8}
54
Incident Energy (eV)
34-Se-82

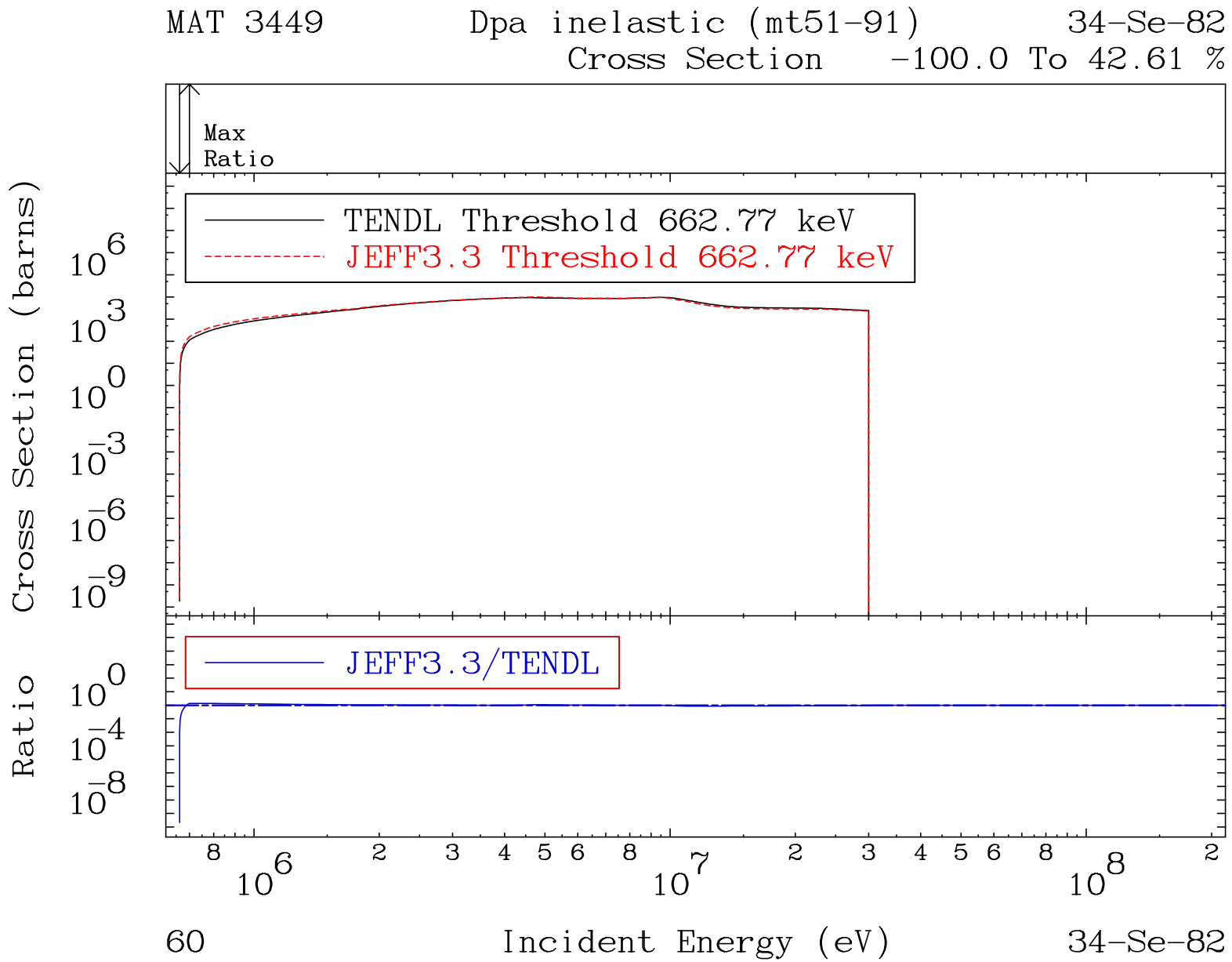

MAT 3449
Kerma capture (mt102)
34-Se-82
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
55
34-Se-82

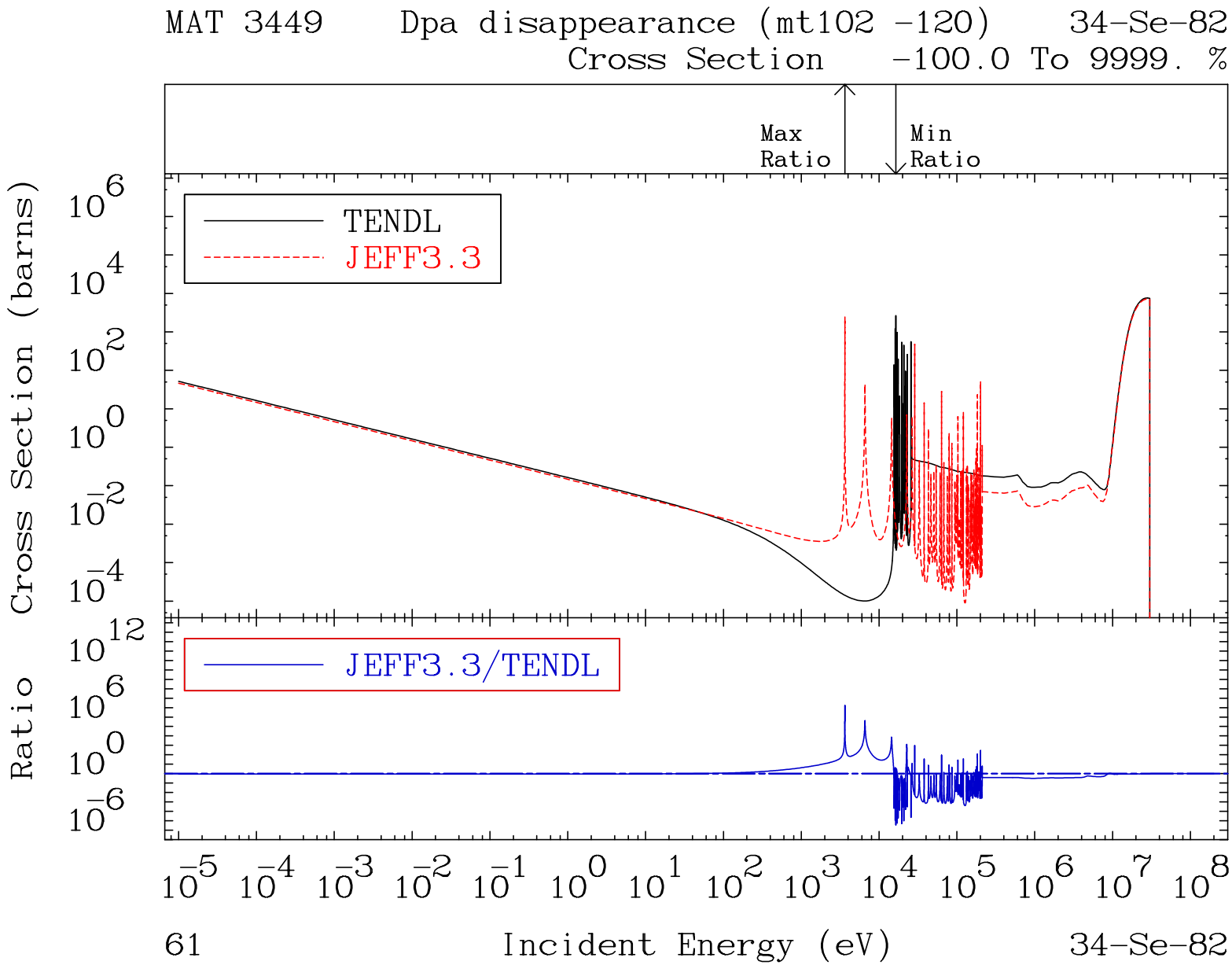

MAT 3449
Total photon (eV-barns)
34-Se-82
Cross Section
-100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
56
34-Se-82

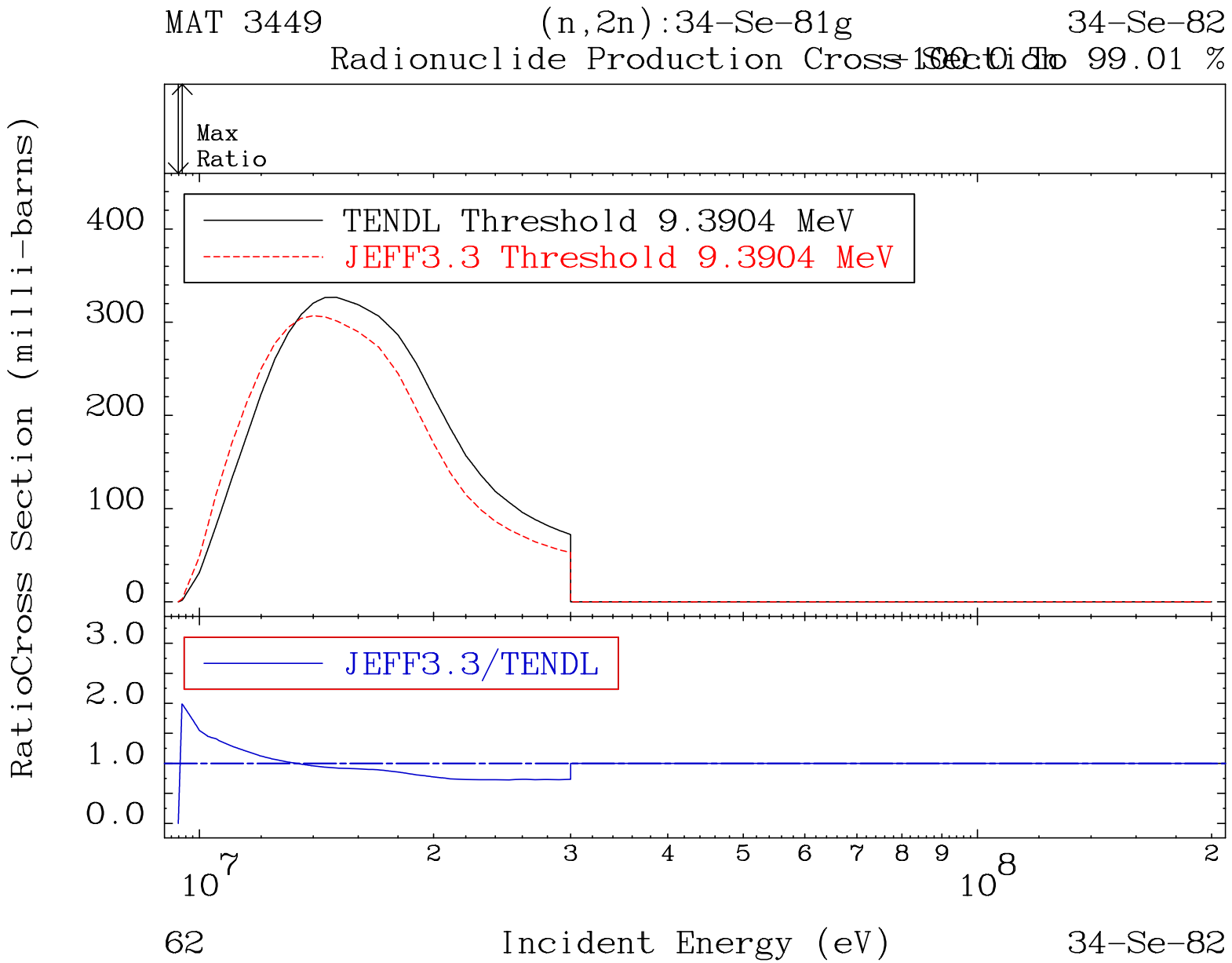

MAT 3449 Total kinematic kerma (high limit) 34-Se-82
Cross Section -99.92 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
Cross Section (barns)
JEFF3.3/TENDL
Ratio
Incident Energy (eV)
57
34-Se-82

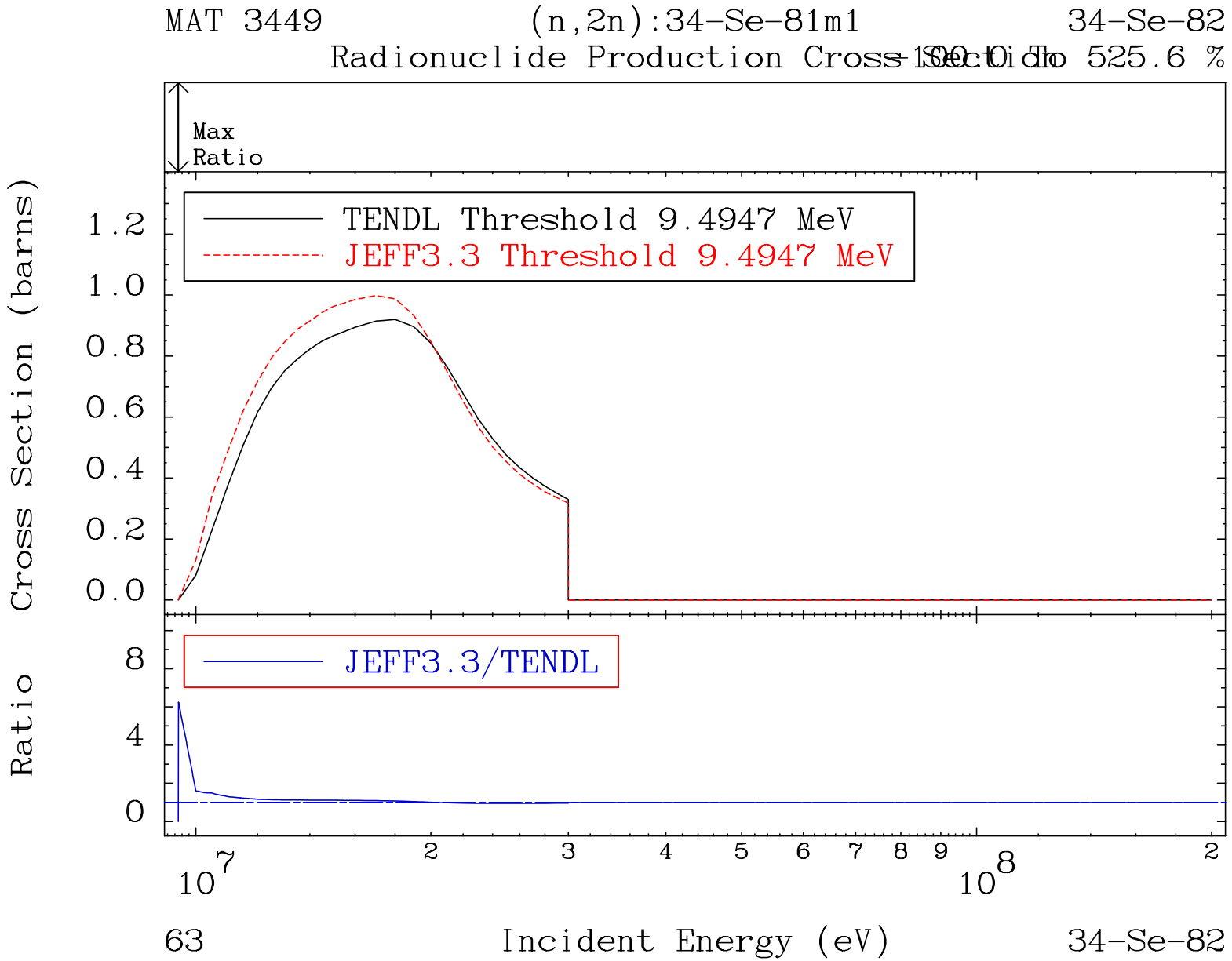

MAT 3449
Dpa total (eV-barns)
34-Se-82
Cross Section
-99.92 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
58
34-Se-82

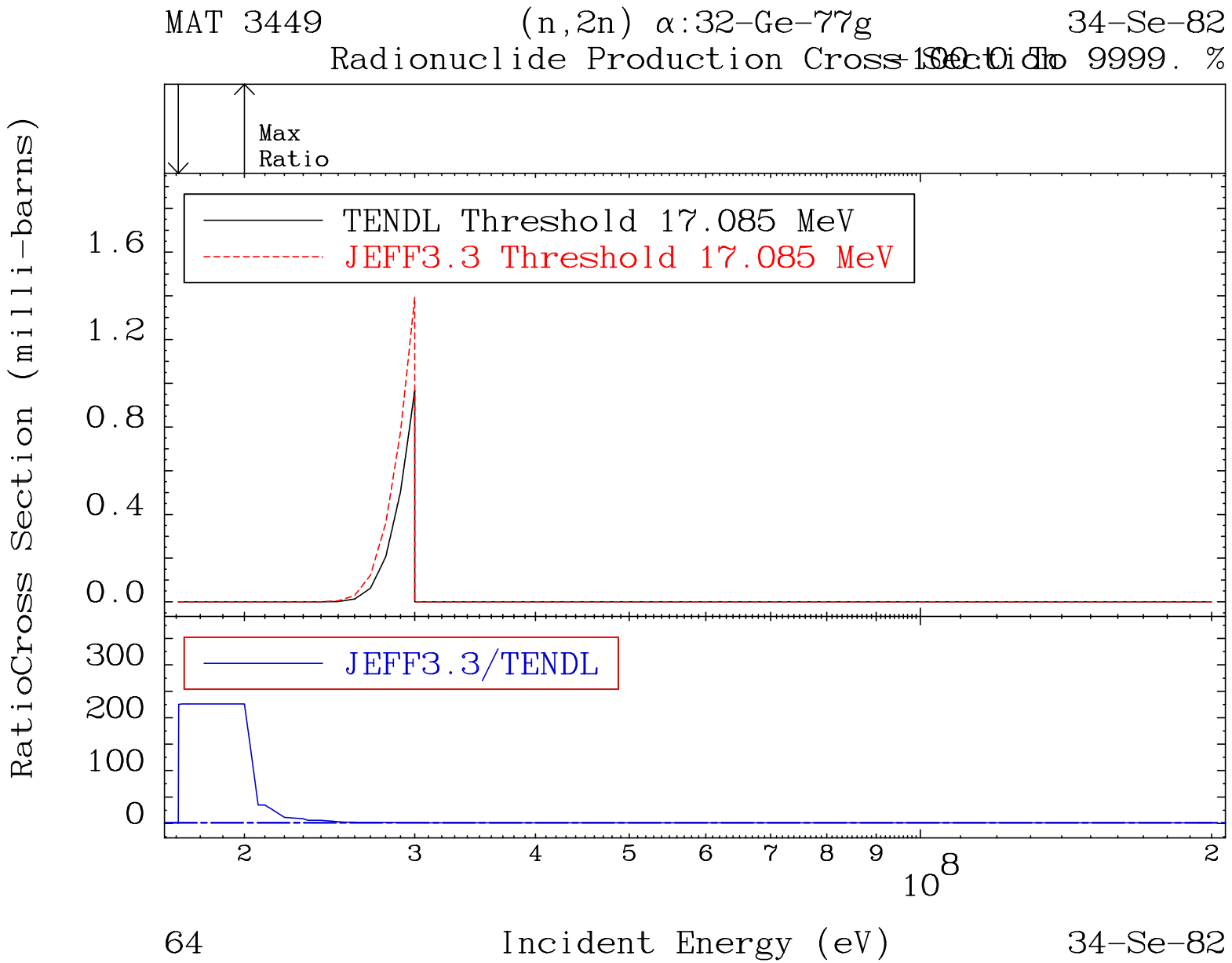

MAT 3449
Dpa elastic (mt2)
Cross Section
34-Se-82
-99.96 To 9999. %
Min Ratio
Max Ratio
TENDL Threshold 515.63 eV
JEFF3.3 Threshold 500.00 eV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
59
34-Se-82

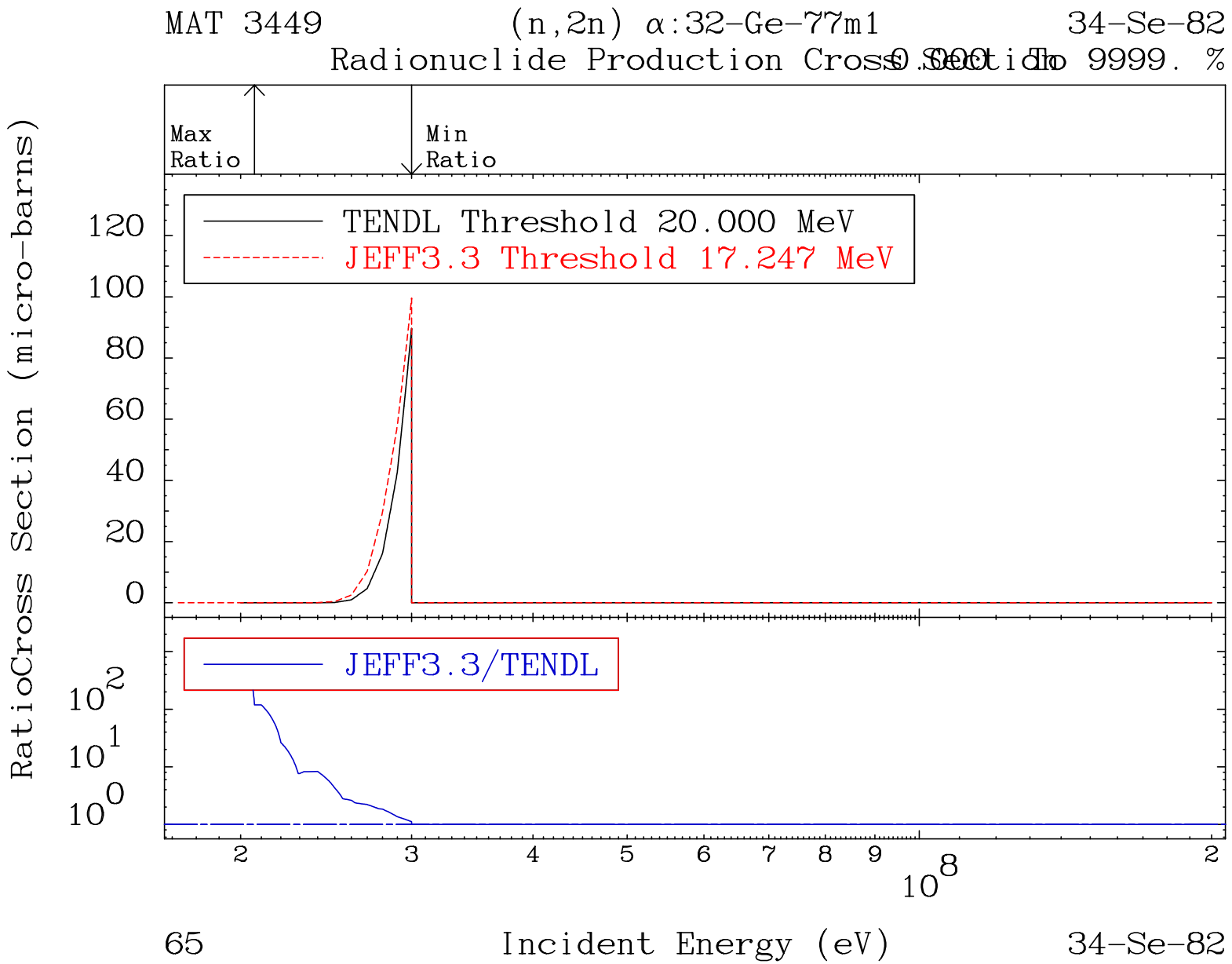

MAT 3449
Dpa inelastic (mt51-91)
34-Se-82
Cross Section
-100.0 To 42.61 %
Max
Ratio
TENDL Threshold 662.77 keV
JEFF3.3 Threshold 662.77 keV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
60
34-Se-82

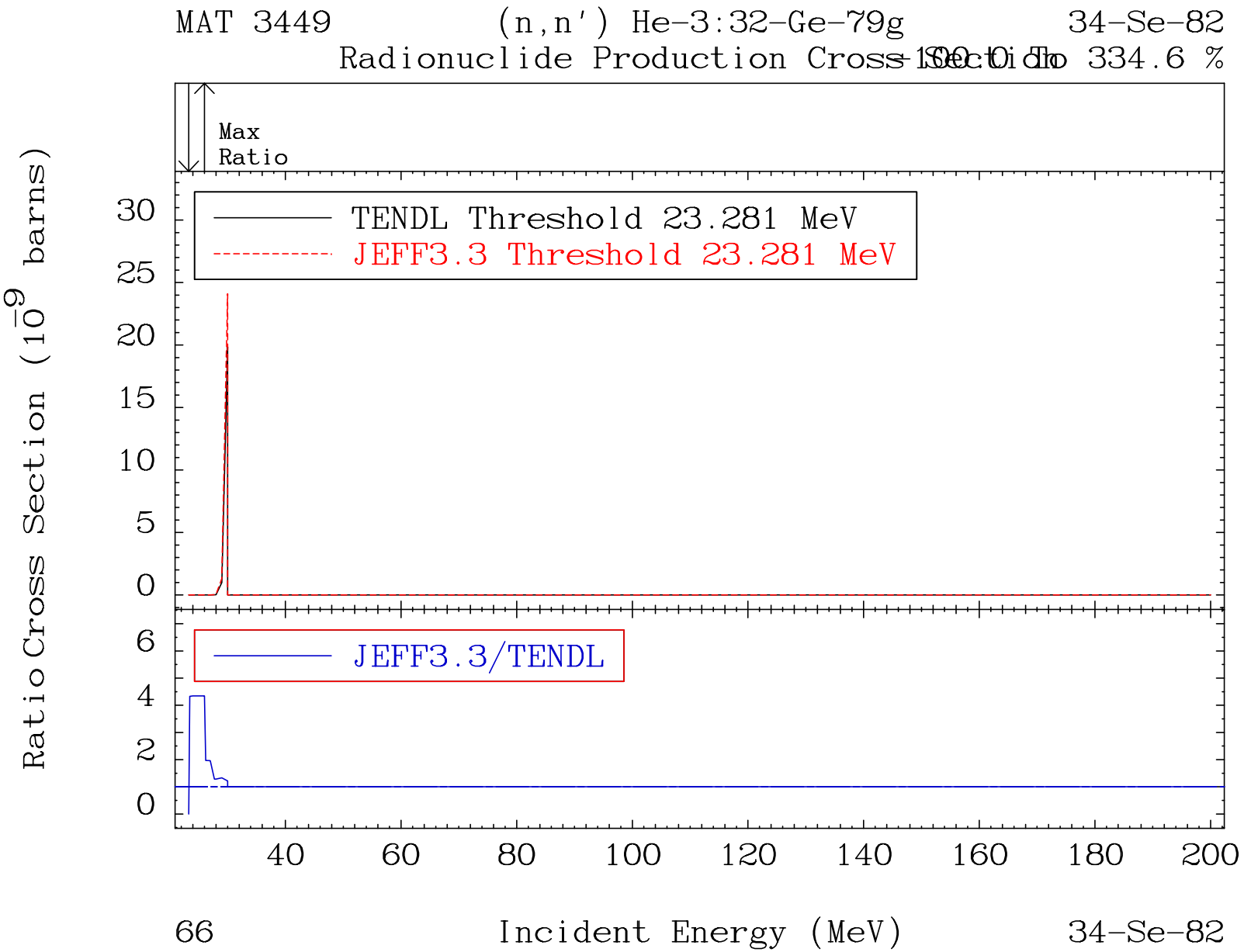

MAT 3449 Dpa disappearance (mt102 -120) 34-Se-82
Cross Section -100.0 To 9999. %
Max Ratio
Min Ratio
TENDL
JEFF3.3
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
61
34-Se-82

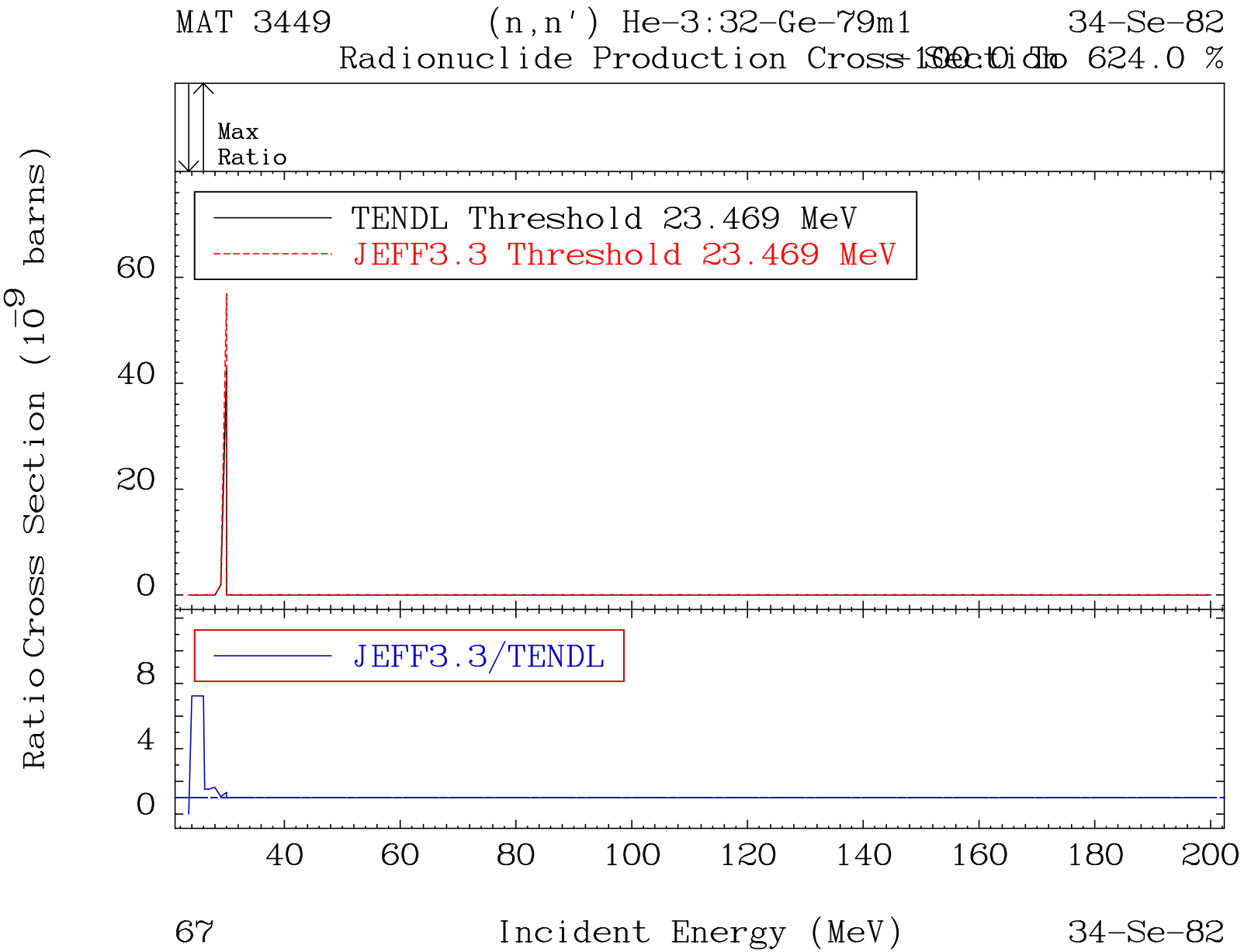

MAT 3449
(n,2n):34-Se-81g
34-Se-82
Radionuclide Production Cross Section To 99.01 %
Max
Ratio
TENDL Threshold 9.3904 MeV
JEFF3.3 Threshold 9.3904 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
400
300
200
100
0
3.0
2.0
1.0
0.0
10^7
2
3
4
5
6
7
8
9
10^8
2
62
Incident Energy (eV)
34-Se-82

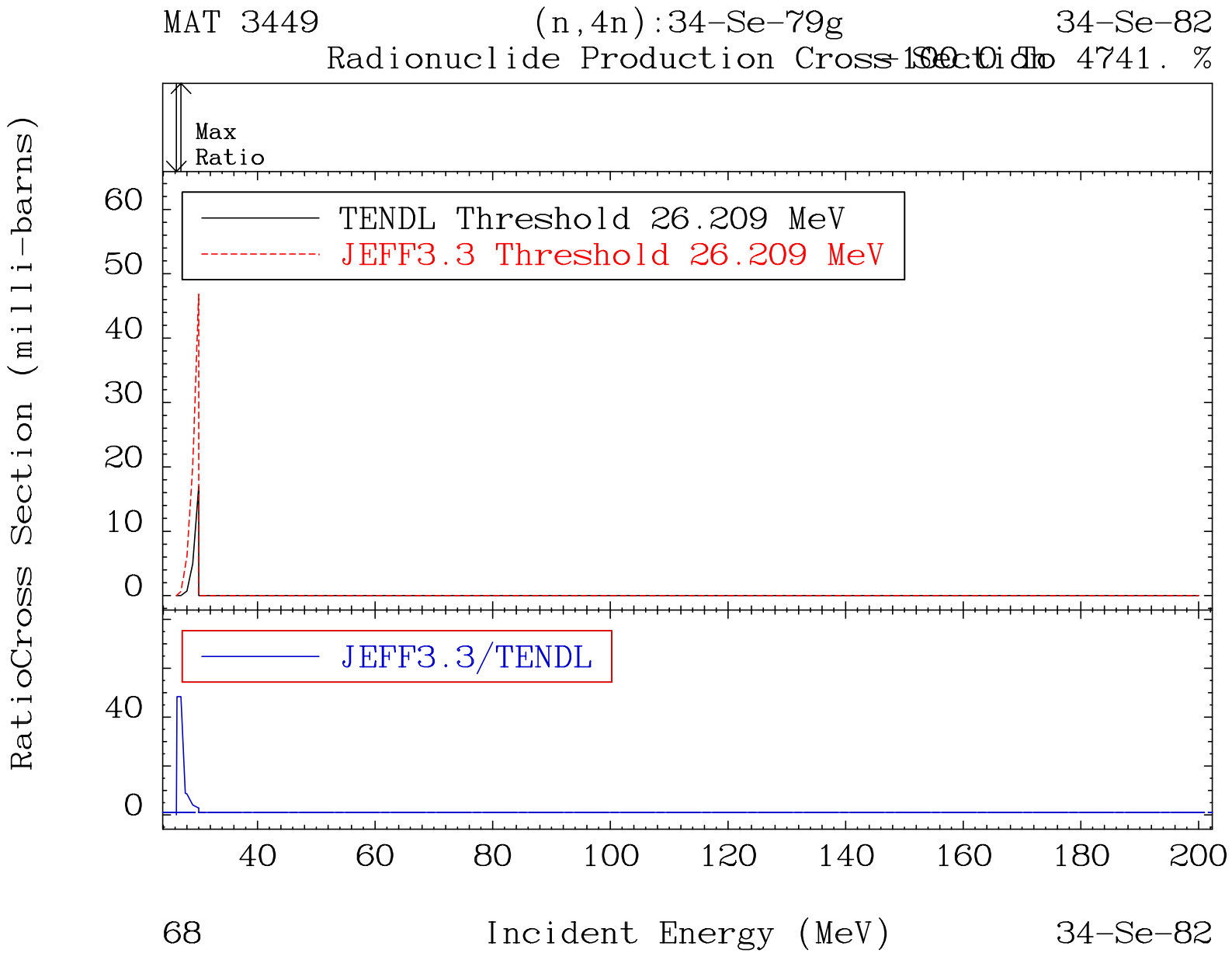

MAT 3449
(n,2n):34-Se-81m1
34-Se-82
Radionuclide Production Cross Section
Max Ratio
TENDL Threshold 9.4947 MeV
JEFF3.3 Threshold 9.4947 MeV
JEFF3.3/TENDL
Cross Section (barns)
Ratio
Incident Energy (eV)
63
34-Se-82

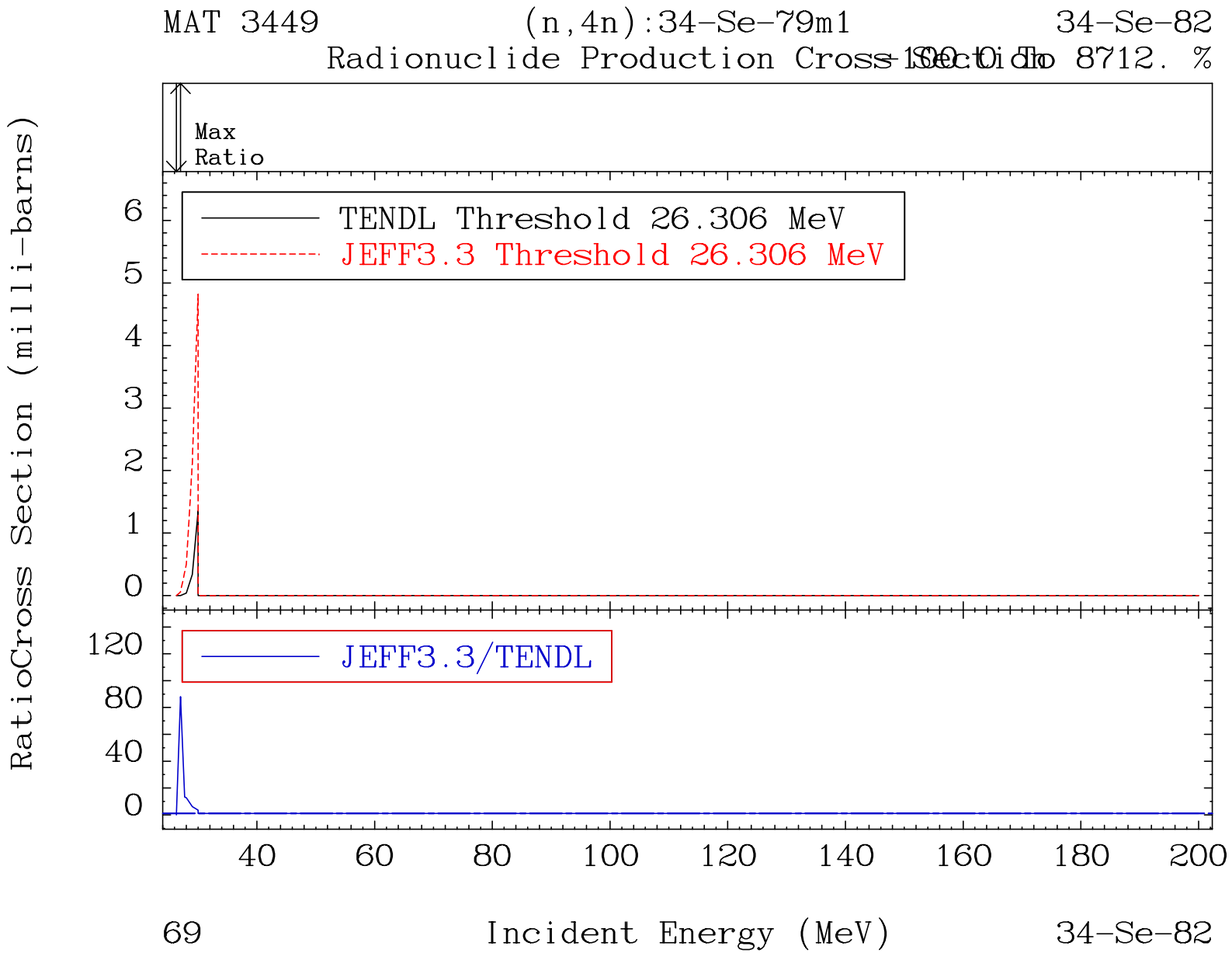

MAT 3449
(n,2n) α:32-Ge-77g
34-Se-82
Radionuclide Production Cross Section
1.00 To 9999. %
Max
Ratio
TENDL Threshold 17.085 MeV
JEFF3.3 Threshold 17.085 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
1.6
1.2
0.8
0.4
0.0
300
200
100
0
2
3
4
5
6
7
8
9
10^8
2
64
Incident Energy (eV)
34-Se-82

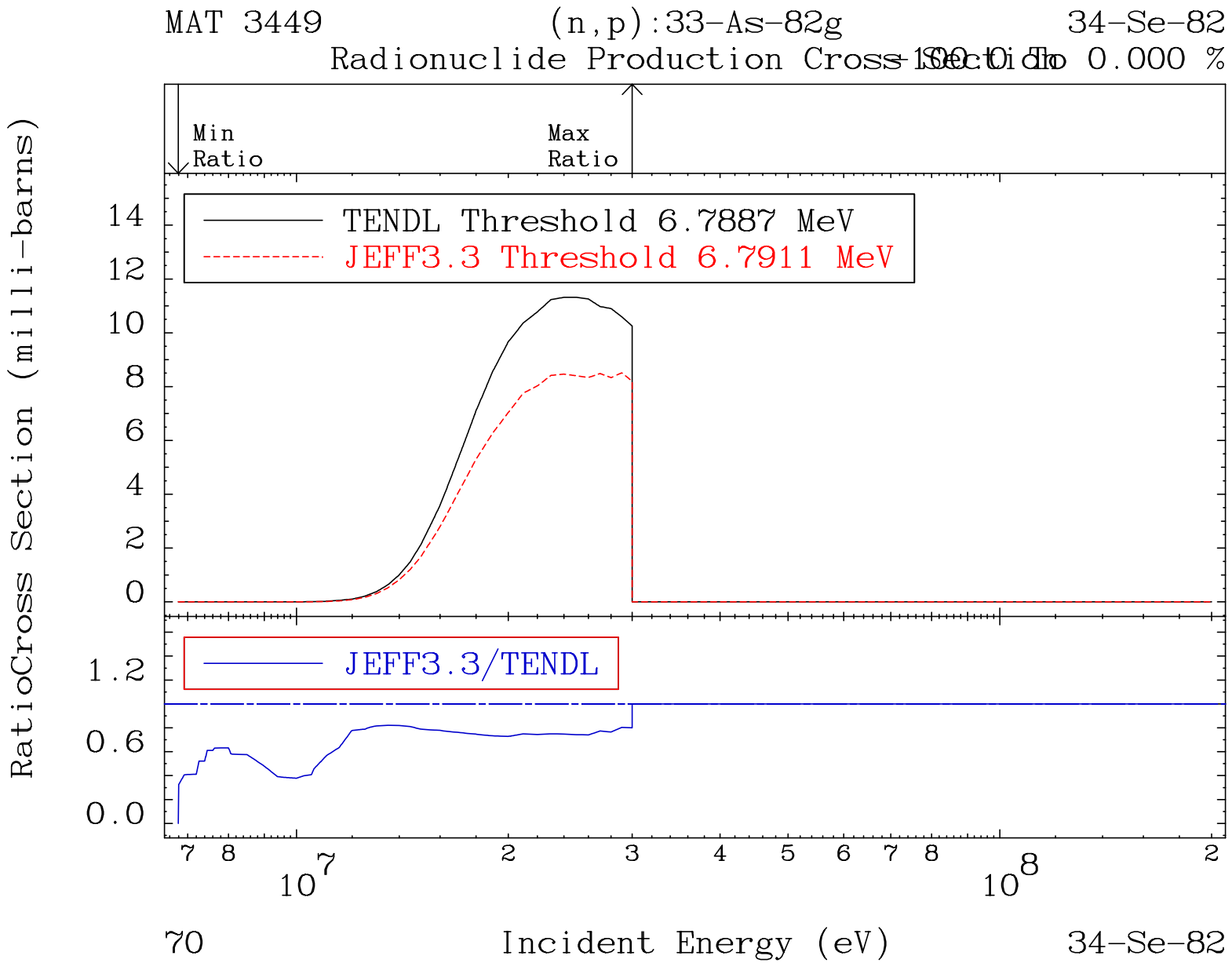

MAT 3449
(n,2n) α:32-Ge-77m1
34-Se-82
Radionuclide Production Cross Section
0.000 To 9999. %
Max Ratio
Min Ratio
TENDL Threshold 20.000 MeV
JEFF3.3 Threshold 17.247 MeV
JEFF3.3/TENDL
RatioCross Section (micro-barns)
120
100
80
60
40
20
0
10^2
10^1
10^0
2
3
4
5
6
7
8
9
10^8
2
65
Incident Energy (eV)
34-Se-82

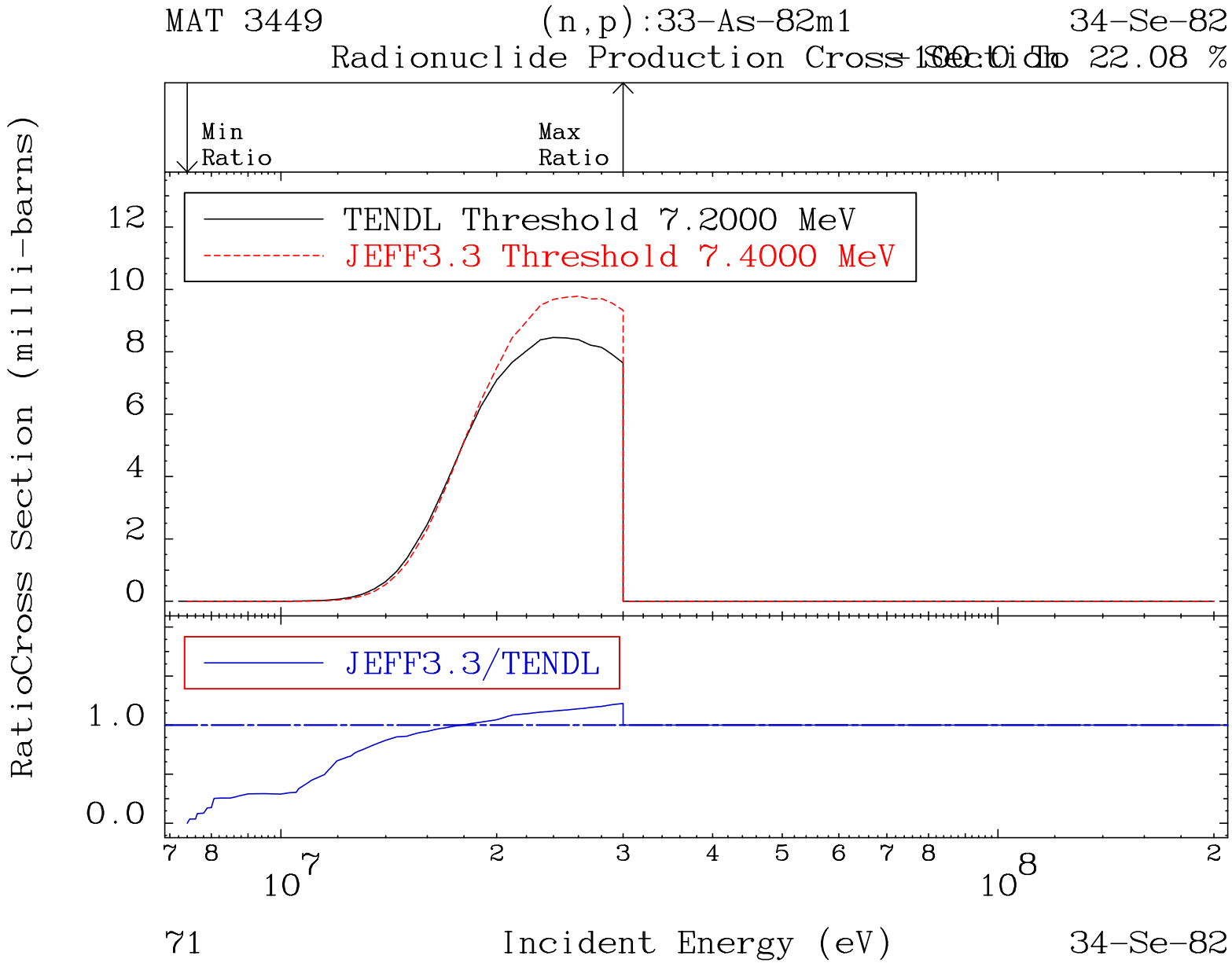

MAT 3449 (n,n') He-3:32-Ge-79g 34-Se-82
Radionuclide Production Cross Section To 334.6 %
Max
Ratio
TENDL Threshold 23.281 MeV
JEFF3.3 Threshold 23.281 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
30
25
20
15
10
5
0
6
4
2
0
40
60
80
100
120
140
160
180
200
66
Incident Energy (MeV)
34-Se-82

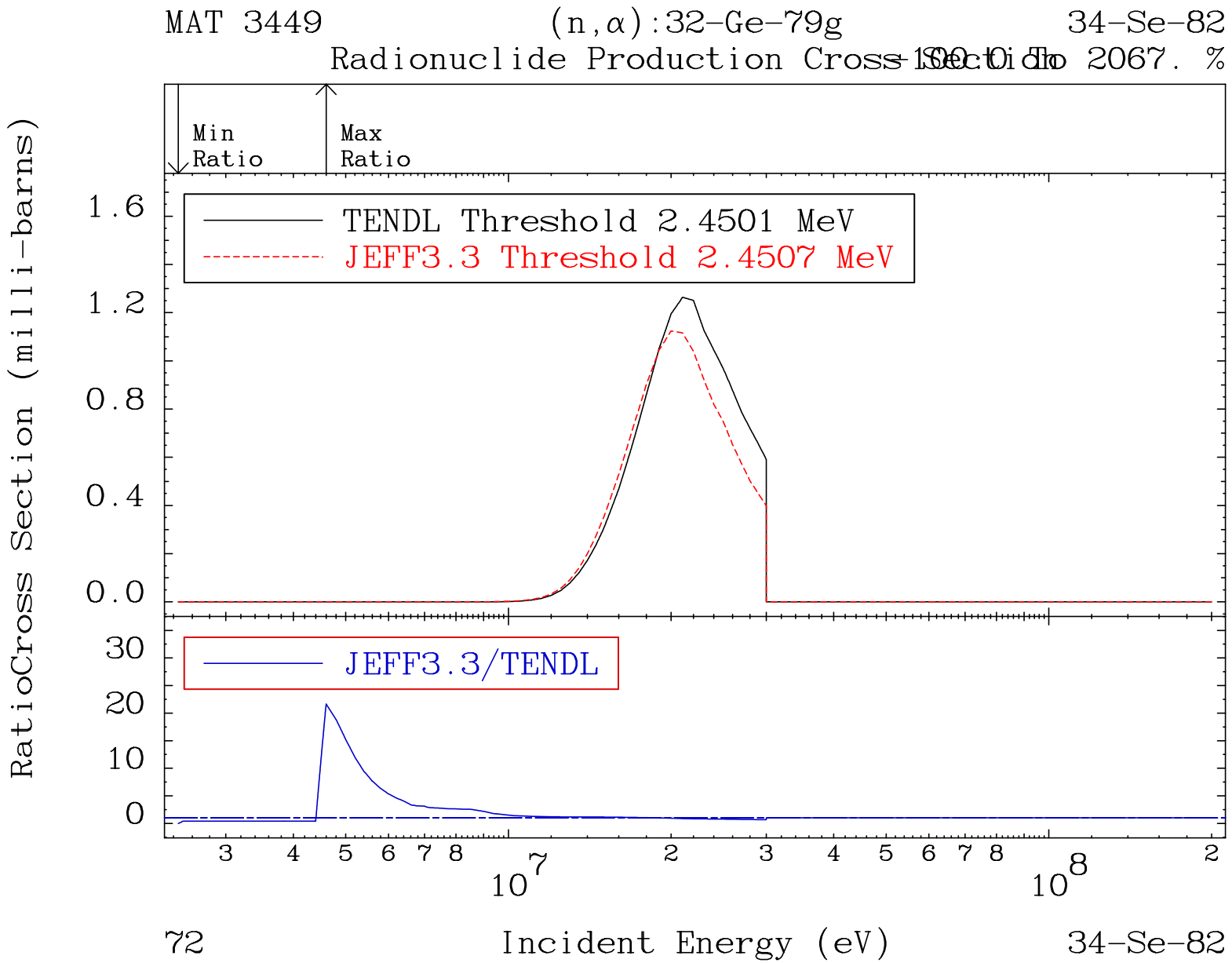

MAT 3449 (n,n') He-3:32-Ge-79m1 34-Se-82
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 23.469 MeV
JEFF3.3 Threshold 23.469 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^-9 barns)
Incident Energy (MeV)
67
34-Se-82

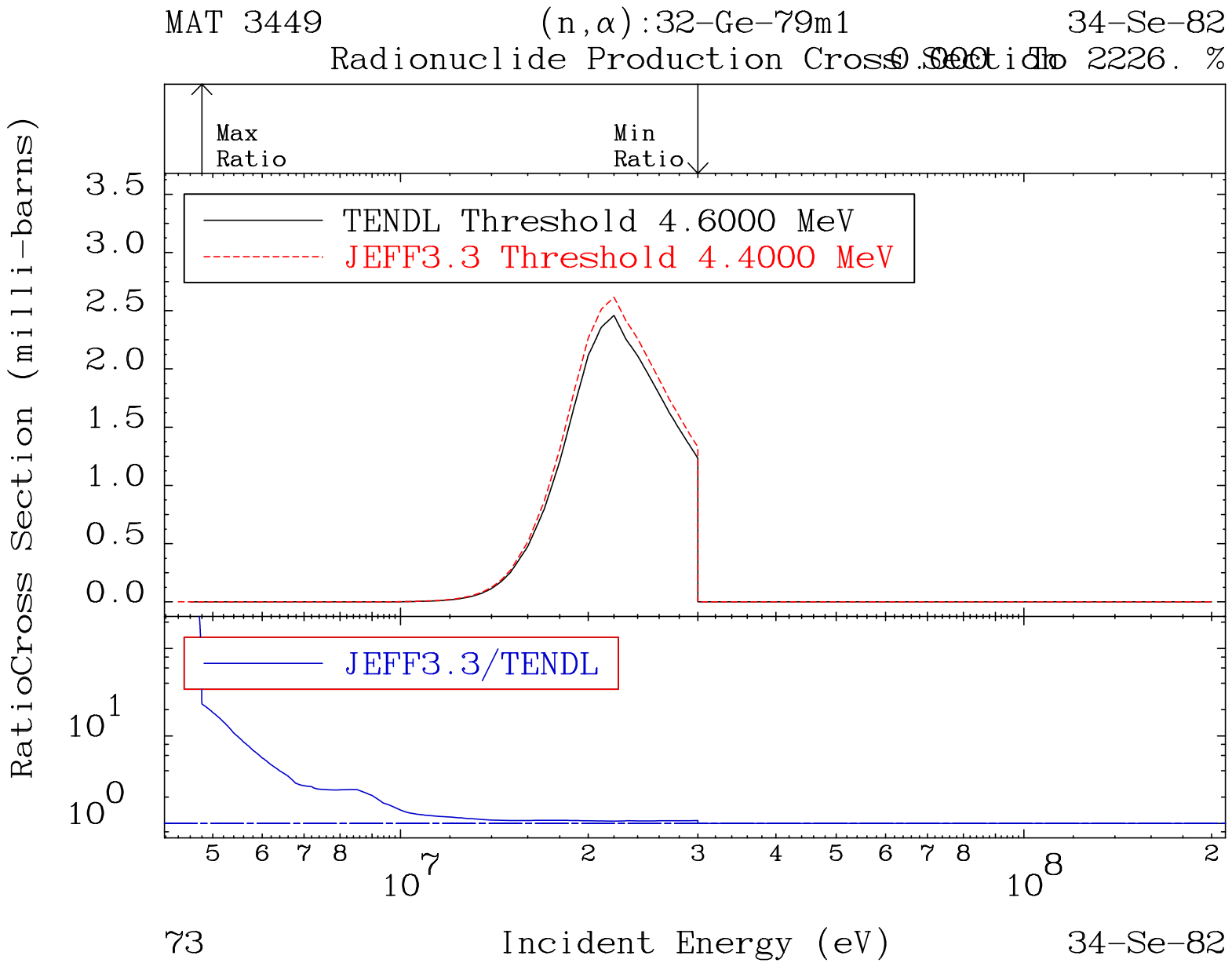

MAT 3449
(n,4n):34-Se-79g
34-Se-82
Radionuclide Production Cross Section
Max Ratio
TENDL Threshold 26.209 MeV
JEFF3.3 Threshold 26.209 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (MeV)
68
34-Se-82

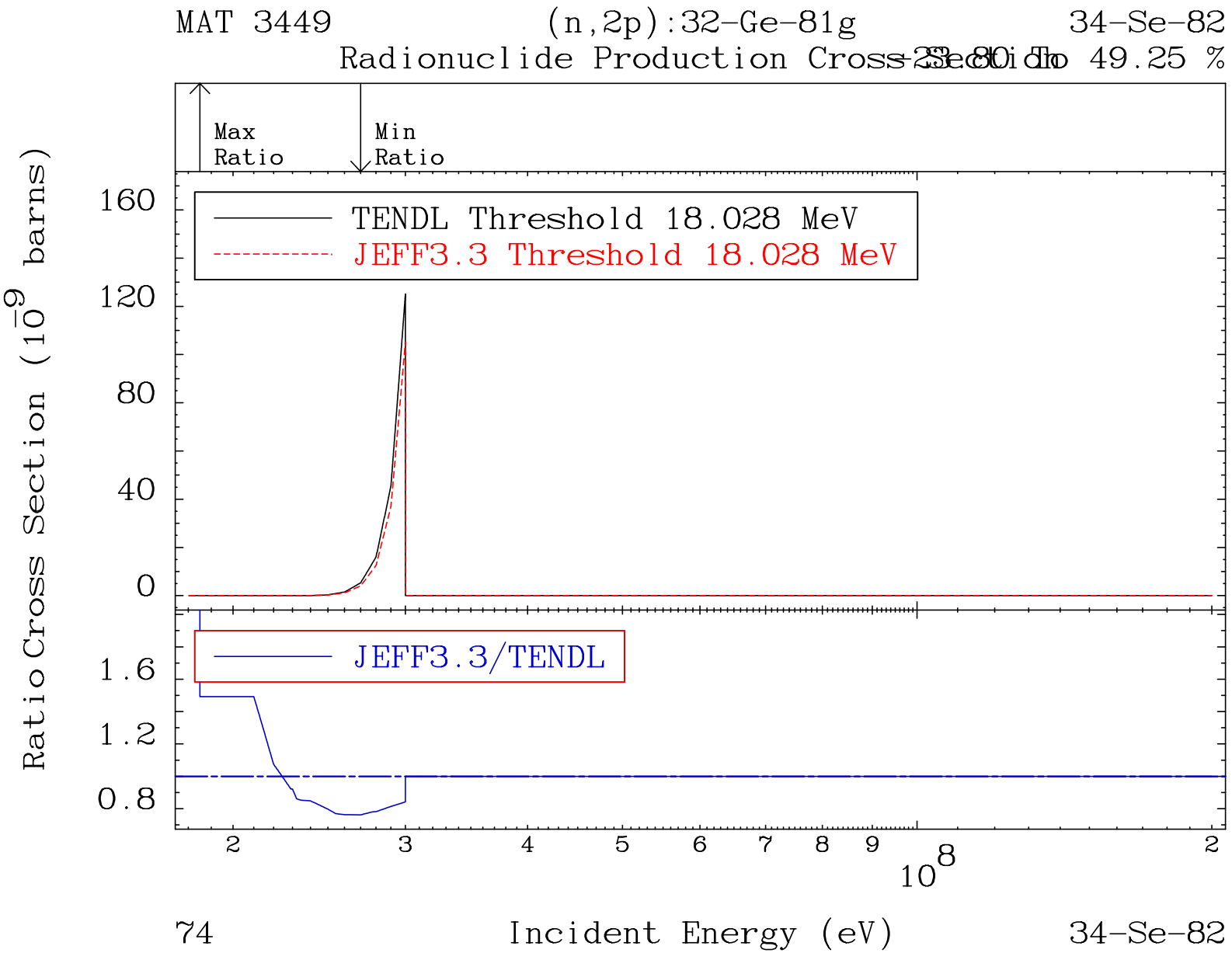

MAT 3449
(n,4n):34-Se-79m1
34-Se-82
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 26.306 MeV
JEFF3.3 Threshold 26.306 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (MeV)
69
34-Se-82

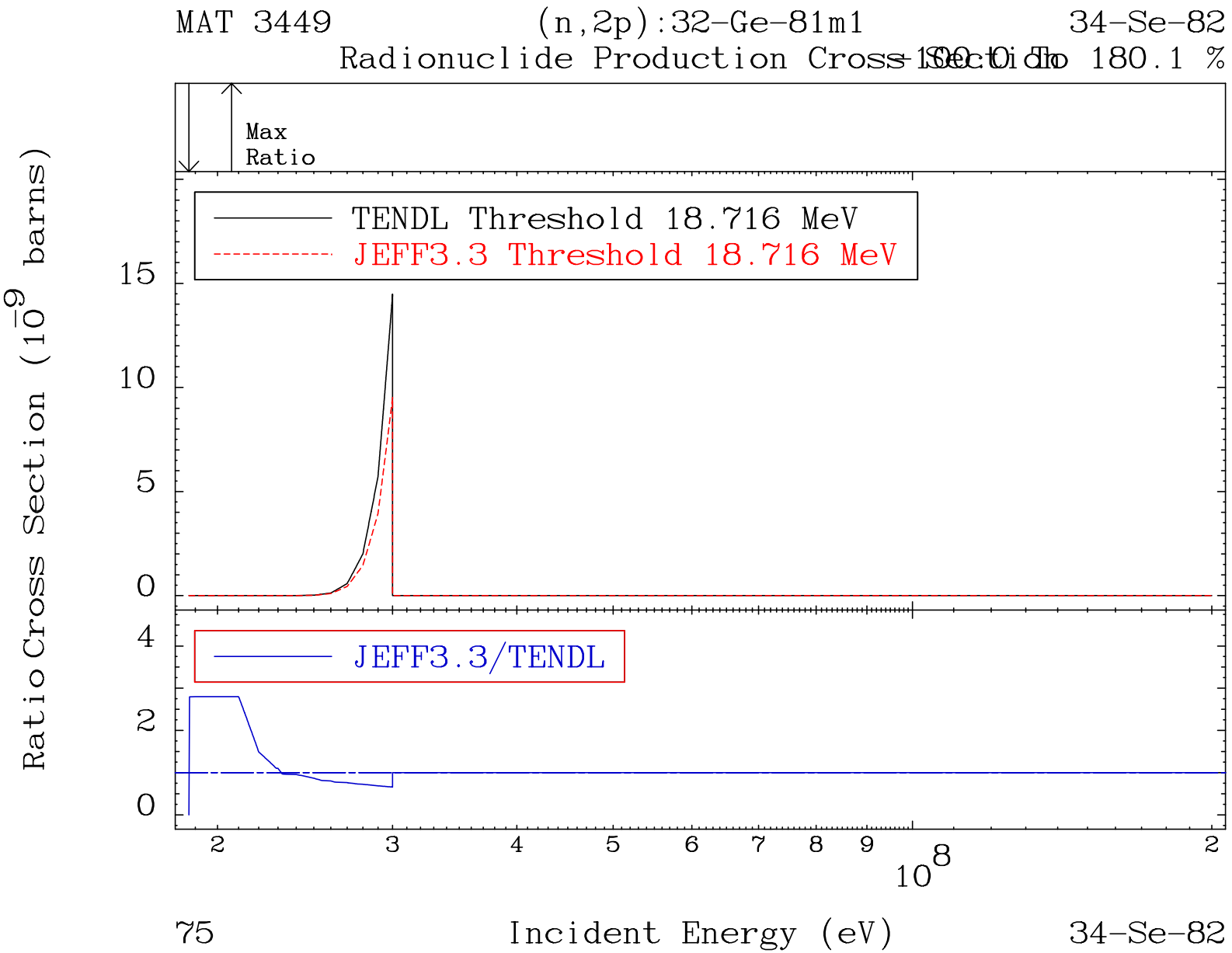

MAT 3449
(n,p):33-As-82g
34-Se-82
Radionuclide Production Cross Section
Uncertainty 0.000 %
Min Ratio
Max Ratio
TENDL Threshold 6.7887 MeV
JEFF3.3 Threshold 6.7911 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
14
12
10
8
6
4
2
0
1.2
0.6
0.0
7 8 10^7 2 3 4 5 6 7 8 10^8 2
70
Incident Energy (eV)
34-Se-82


MAT 3449
(n,p):33-As-82m1
34-Se-82
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 7.2000 MeV
JEFF3.3 Threshold 7.4000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
71
34-Se-82


MAT 3449
(n,α):32-Ge-79g
34-Se-82
Radionuclide Production Cross Section
Min Ratio
Max Ratio
TENDL Threshold 2.4501 MeV
JEFF3.3 Threshold 2.4507 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
Incident Energy (eV)
72
34-Se-82


MAT 3449
(n,α):32-Ge-79m1
34-Se-82
Radionuclide Production Cross Section
0.000 To 2226. %
Max Ratio
Min Ratio
TENDL Threshold 4.6000 MeV
JEFF3.3 Threshold 4.4000 MeV
JEFF3.3/TENDL
RatioCross Section (milli-barns)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
10^1
10^0
5 6 7 8
10^7
2 3 4 5 6 7 8
10^8
2
73
Incident Energy (eV)
34-Se-82


MAT 3449
(n,2p):32-Ge-81g
34-Se-82
Radionuclide Production Cross Section To 49.25 %
Max Ratio
Min Ratio
TENDL Threshold 18.028 MeV
JEFF3.3 Threshold 18.028 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
160
120
80
40
0
1.6
1.2
0.8
2
3
4
5
6
7
8
9
10^8
74
Incident Energy (eV)
34-Se-82


MAT 3449
(n,2p):32-Ge-81m1
34-Se-82
Radionuclide Production Cross Section
Max
Ratio
TENDL Threshold 18.716 MeV
JEFF3.3 Threshold 18.716 MeV
JEFF3.3/TENDL
Ratio Cross Section (10^{-9} barns)
Incident Energy (eV)
75
34-Se-82