

Program Complot
(Version 2018-1)

by

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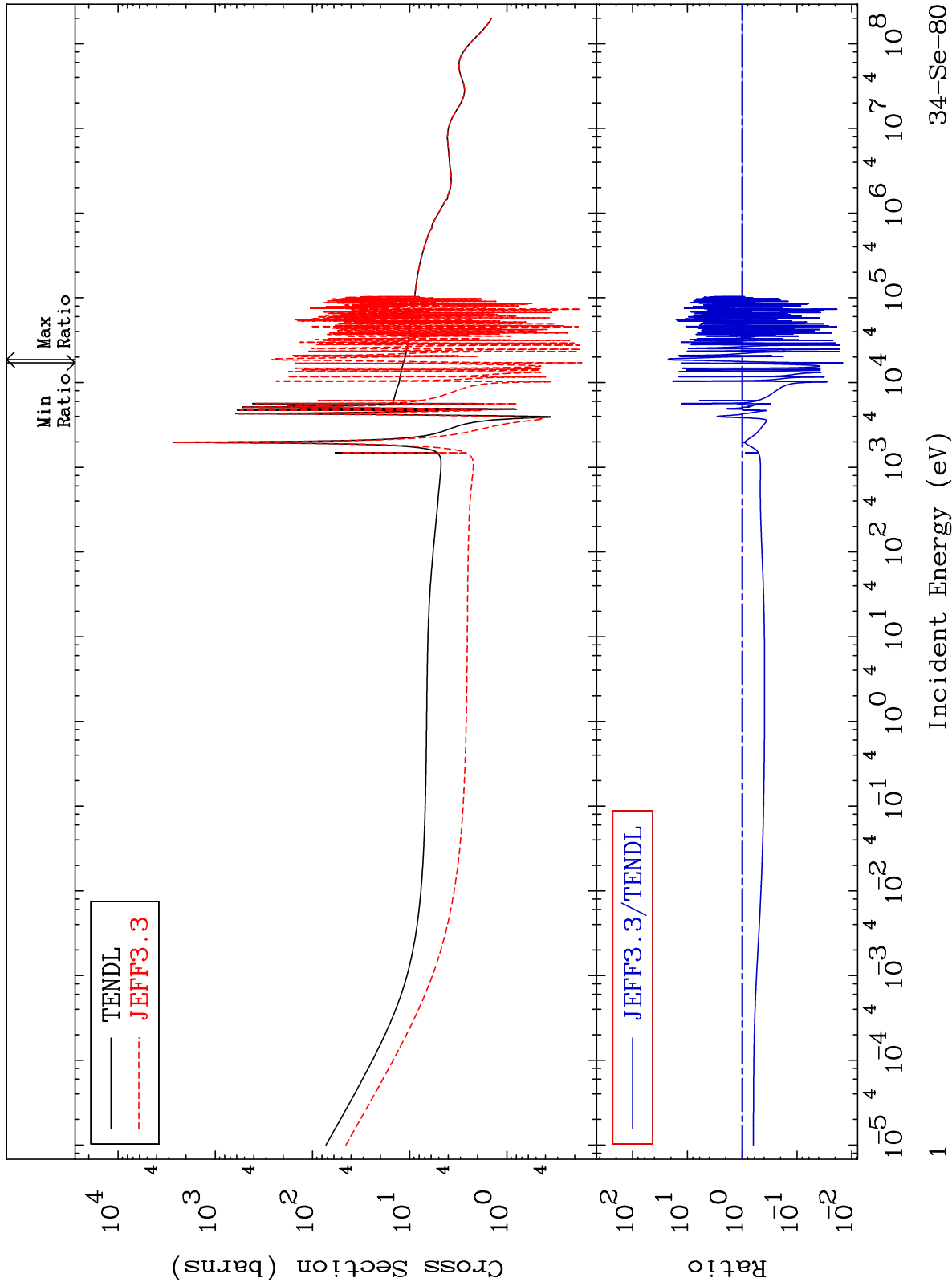
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3443

Total
Cross Section

34-Se-80
-98.54 To 2206. %

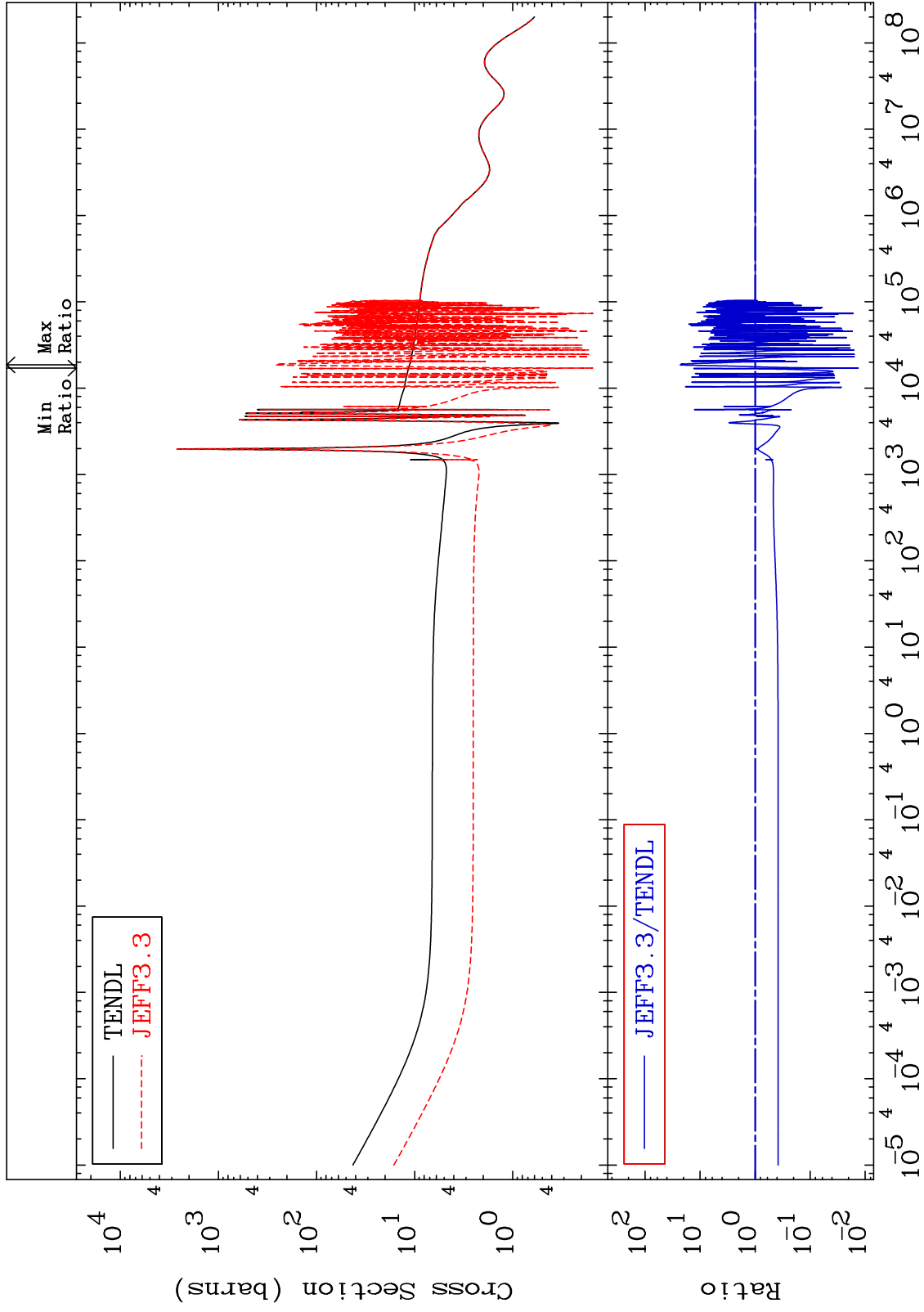


34-Se-80

MAT 3443

Elastic
Cross Section

34-Se-80
-98.67 To 2217. %



Incident Energy (eV)

34-Se-80

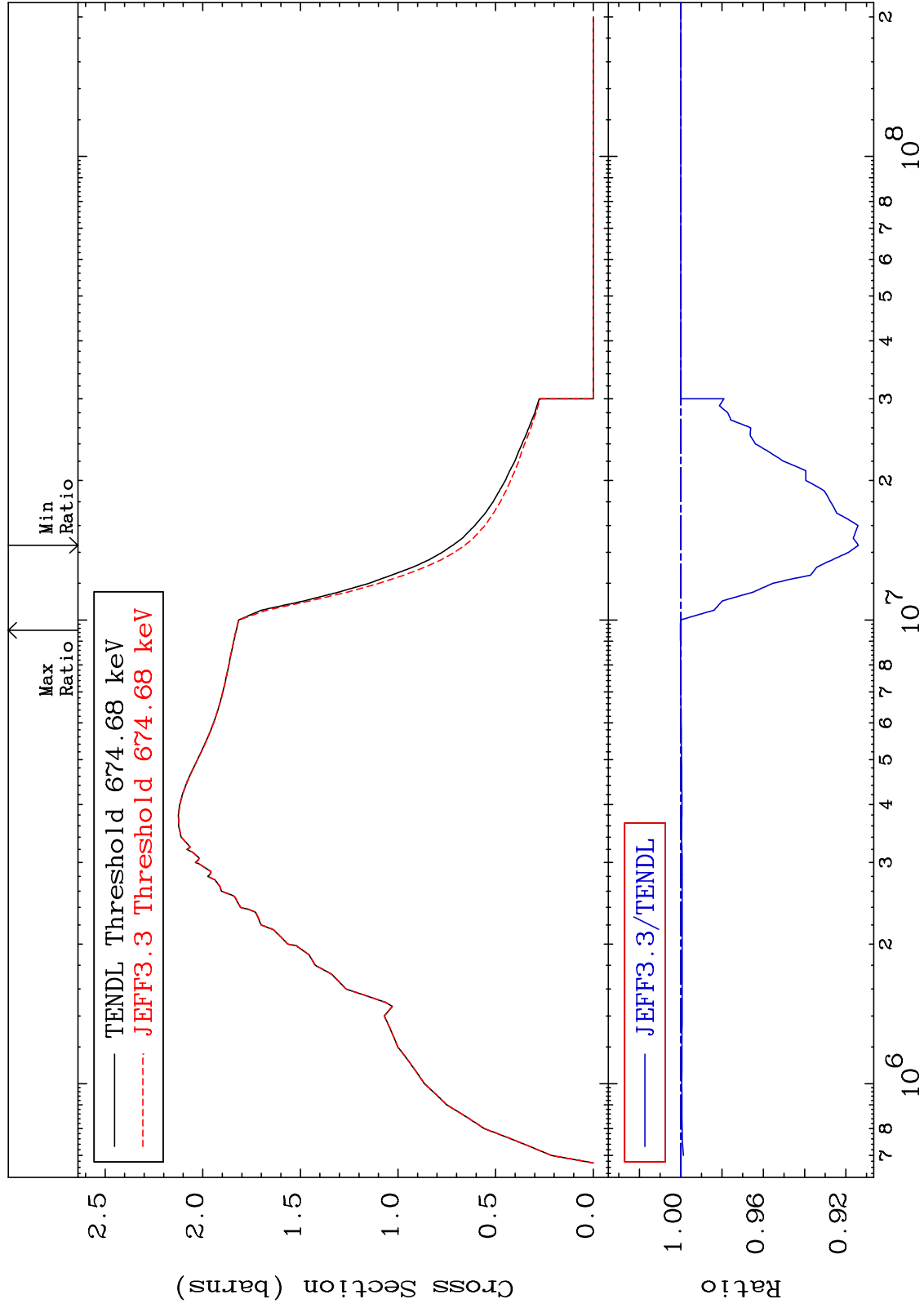
2

MAT 3443

Inelastic
Cross Section

34-Se-80

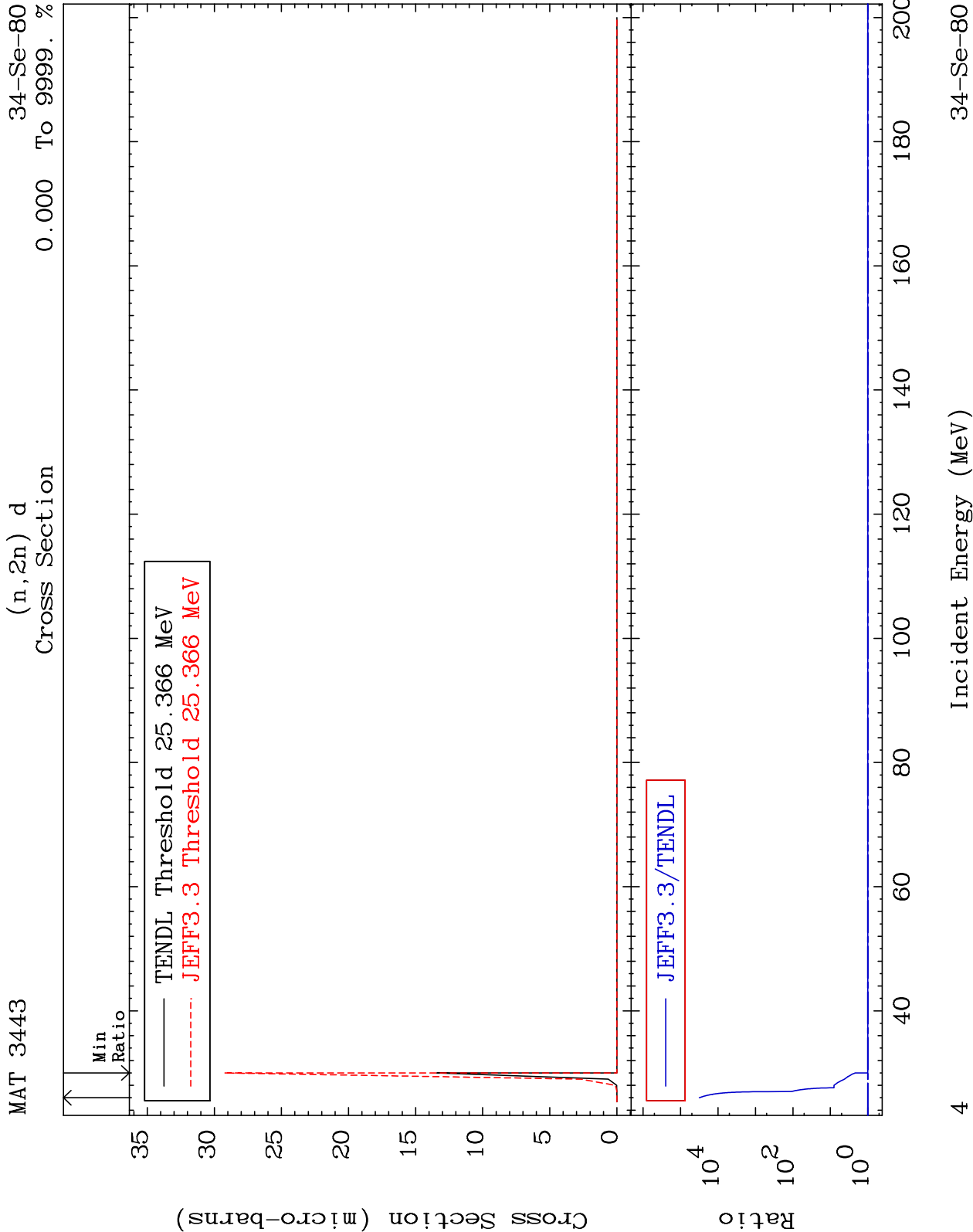
-8.612 To 0.016 %



Incident Energy (eV)

34-Se-80

3



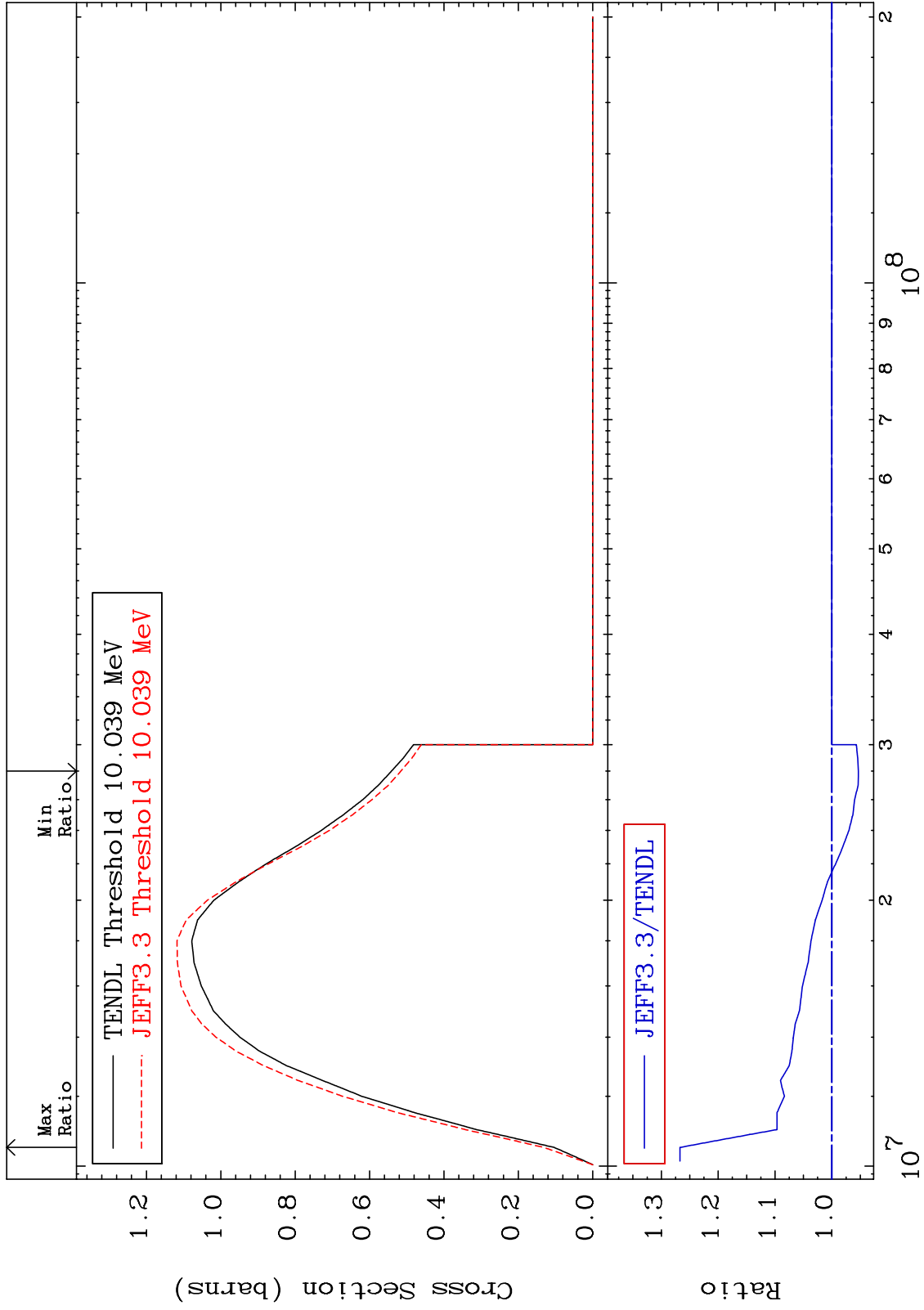
MAT 3443

(n,2n)

34-Se-80

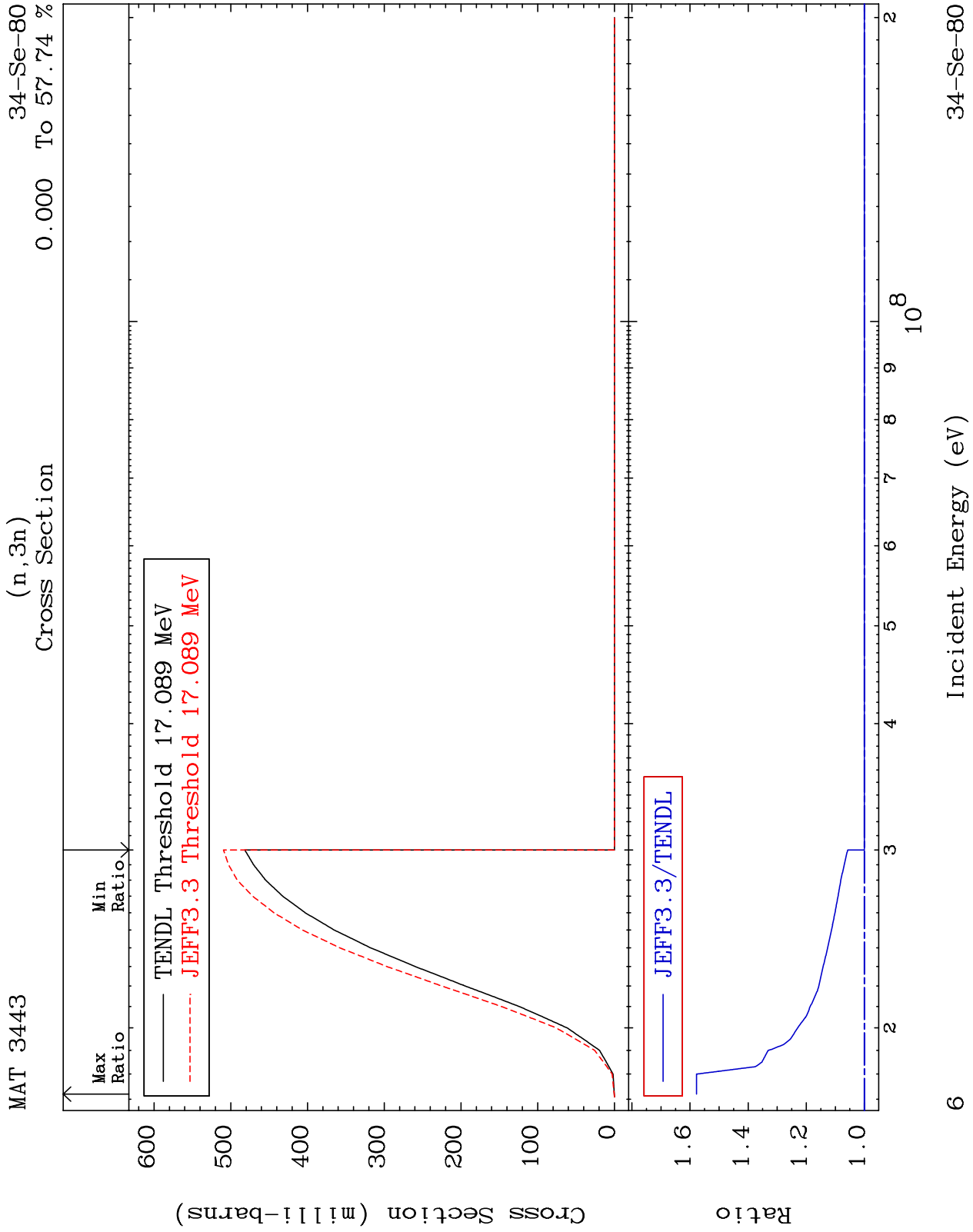
Cross Section

-4.671 To 26.72 %



Incident Energy (eV)

34-Se-80



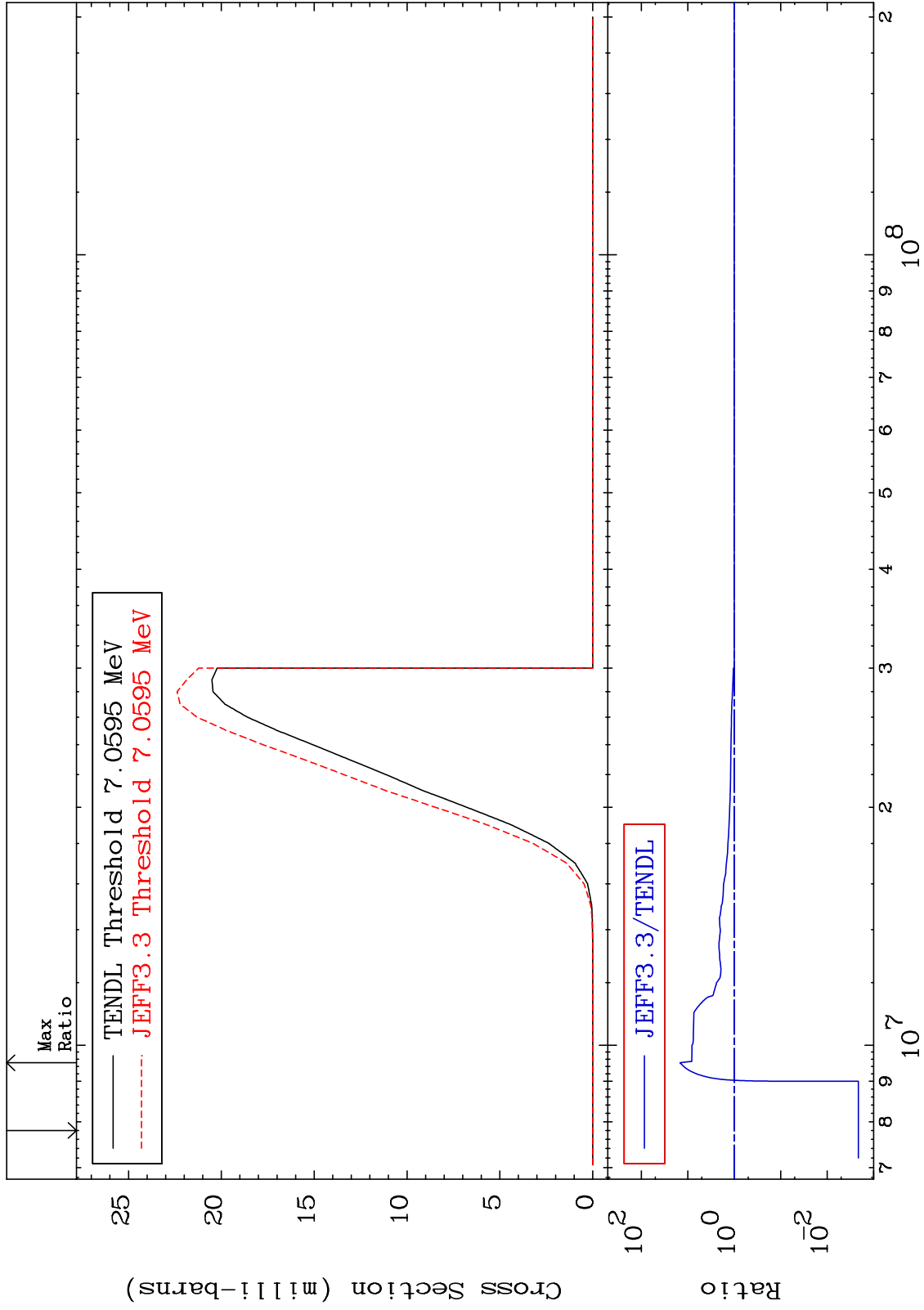
MAT 3443

(n, n') α

³⁴Se-80

Cross Section

-99.79 To 1370. %



³⁴Se-80

Incident Energy (eV)

7

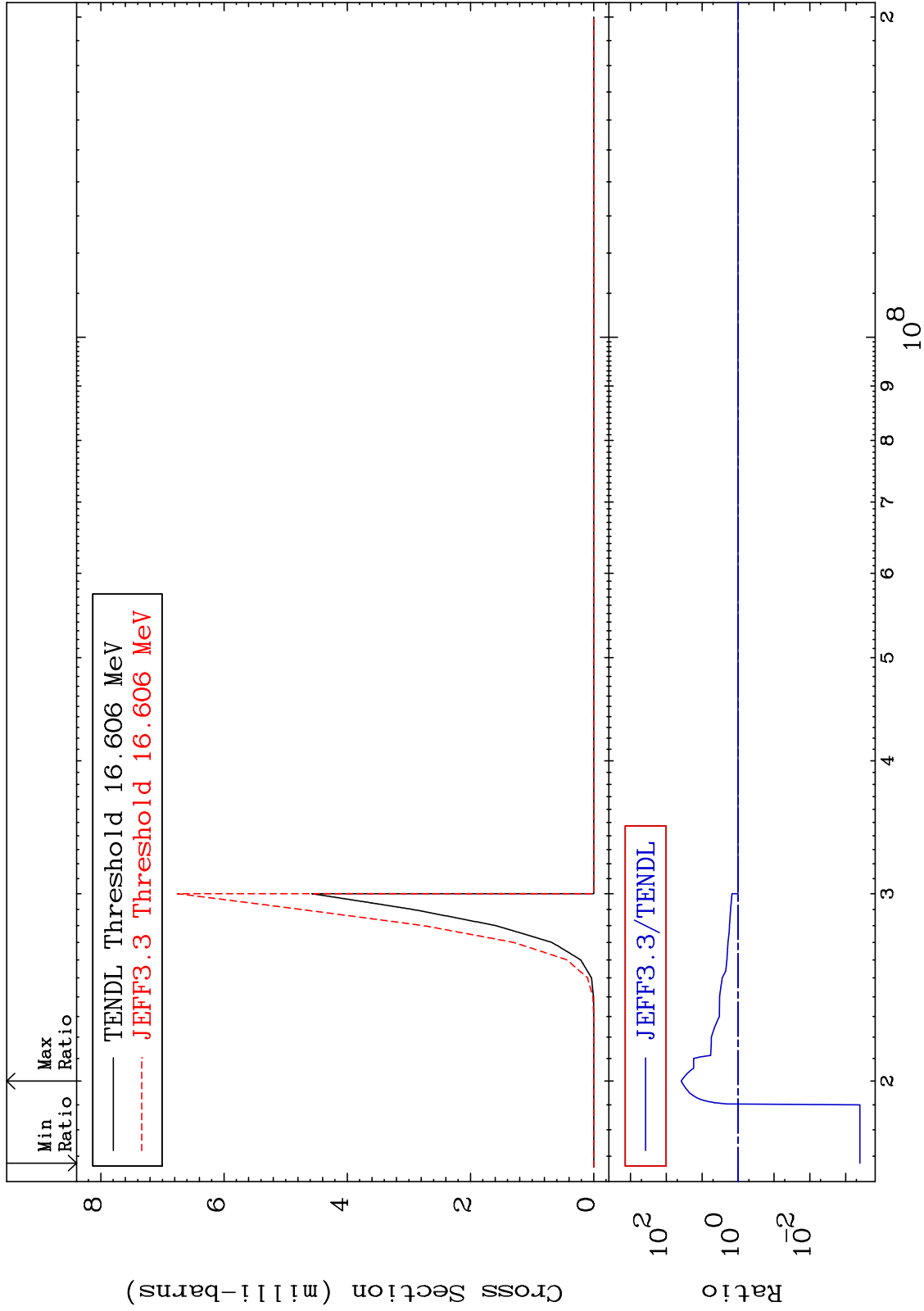
MAT 3443

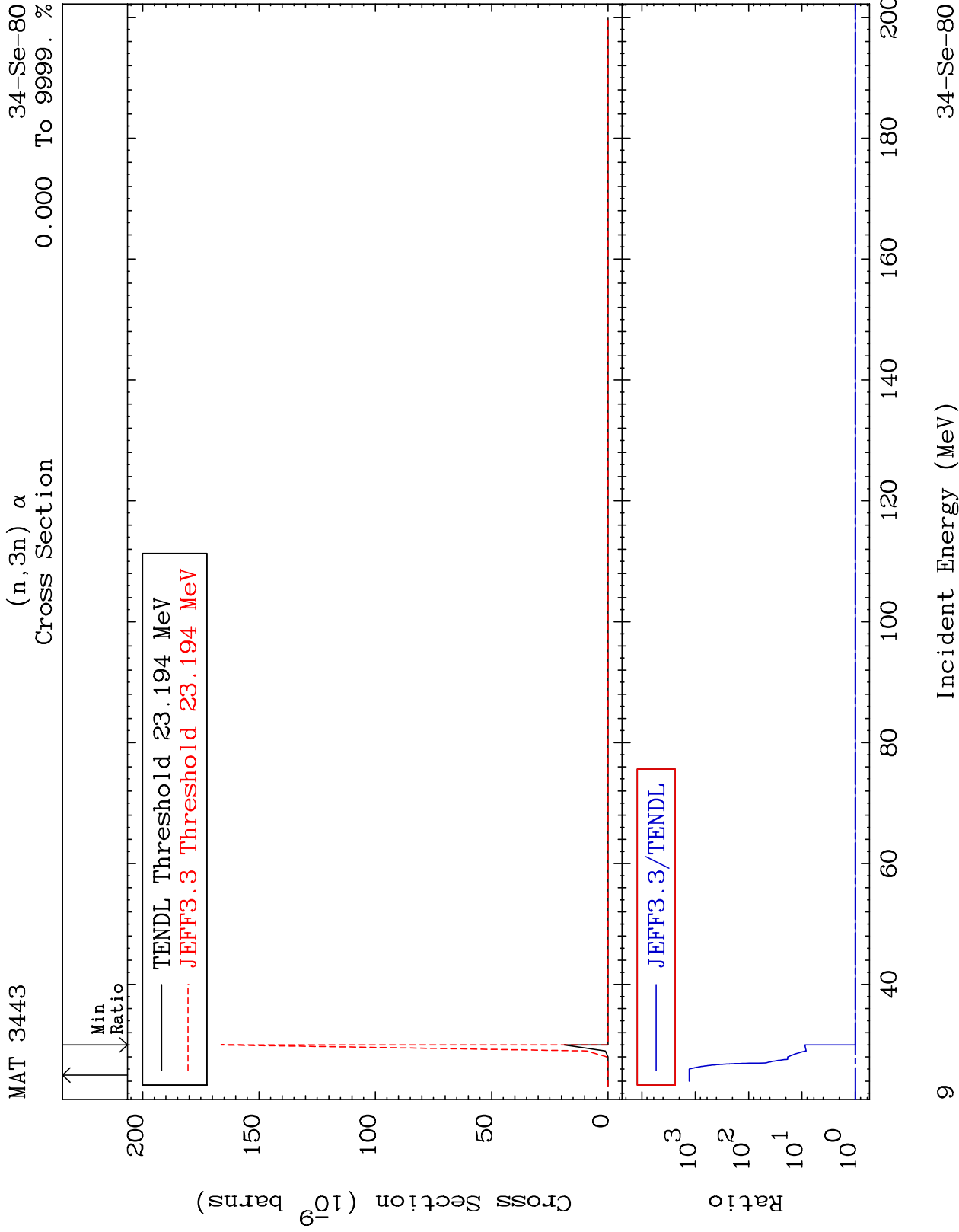
(n,2n) α

34-Se-80

Cross Section

-99.96 To 3753. %

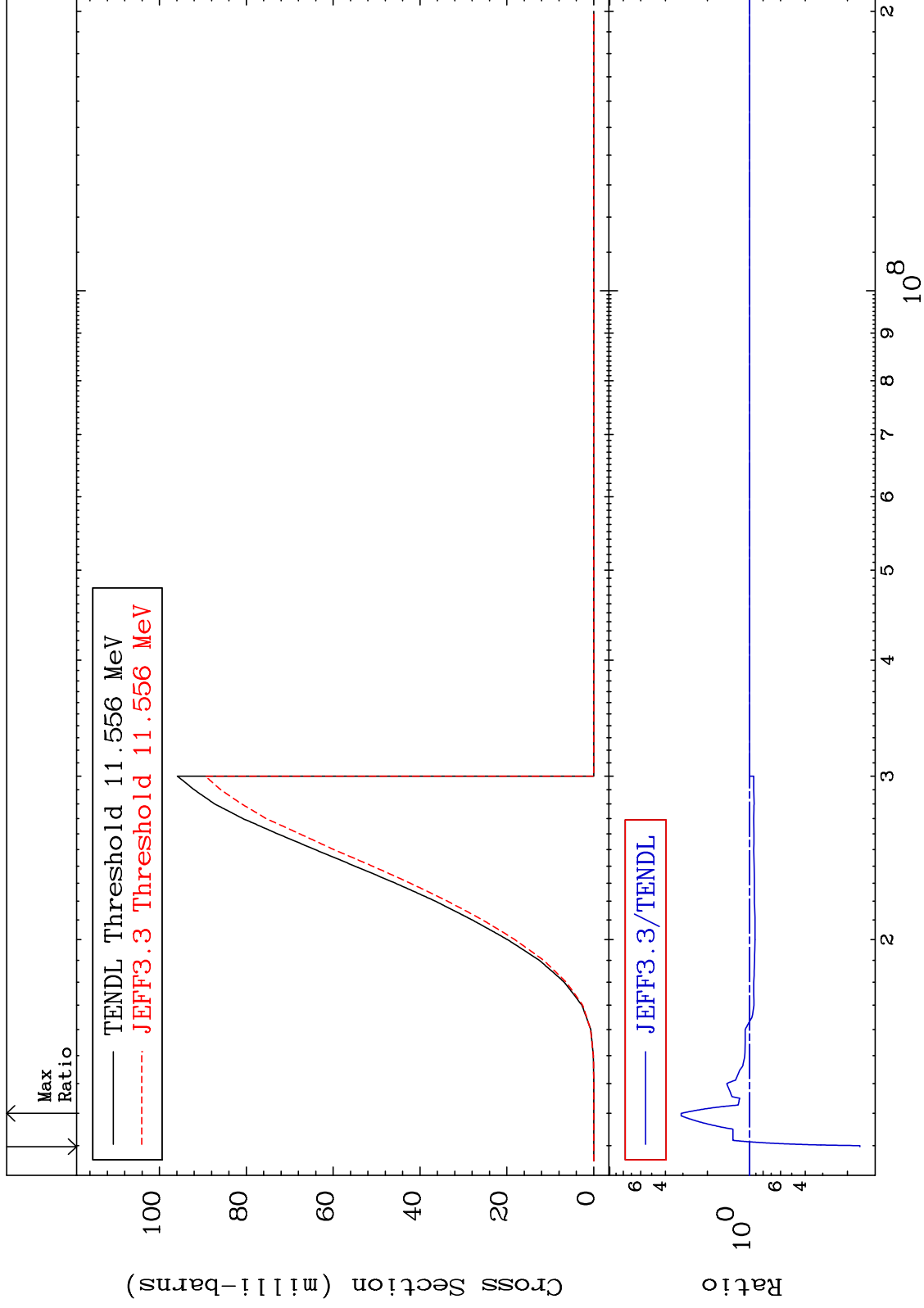




MAT 3443

(n,n') p
Cross Section

34-Se-80
-83.74 To 207.9 %



10

Incident Energy (eV)

34-Se-80

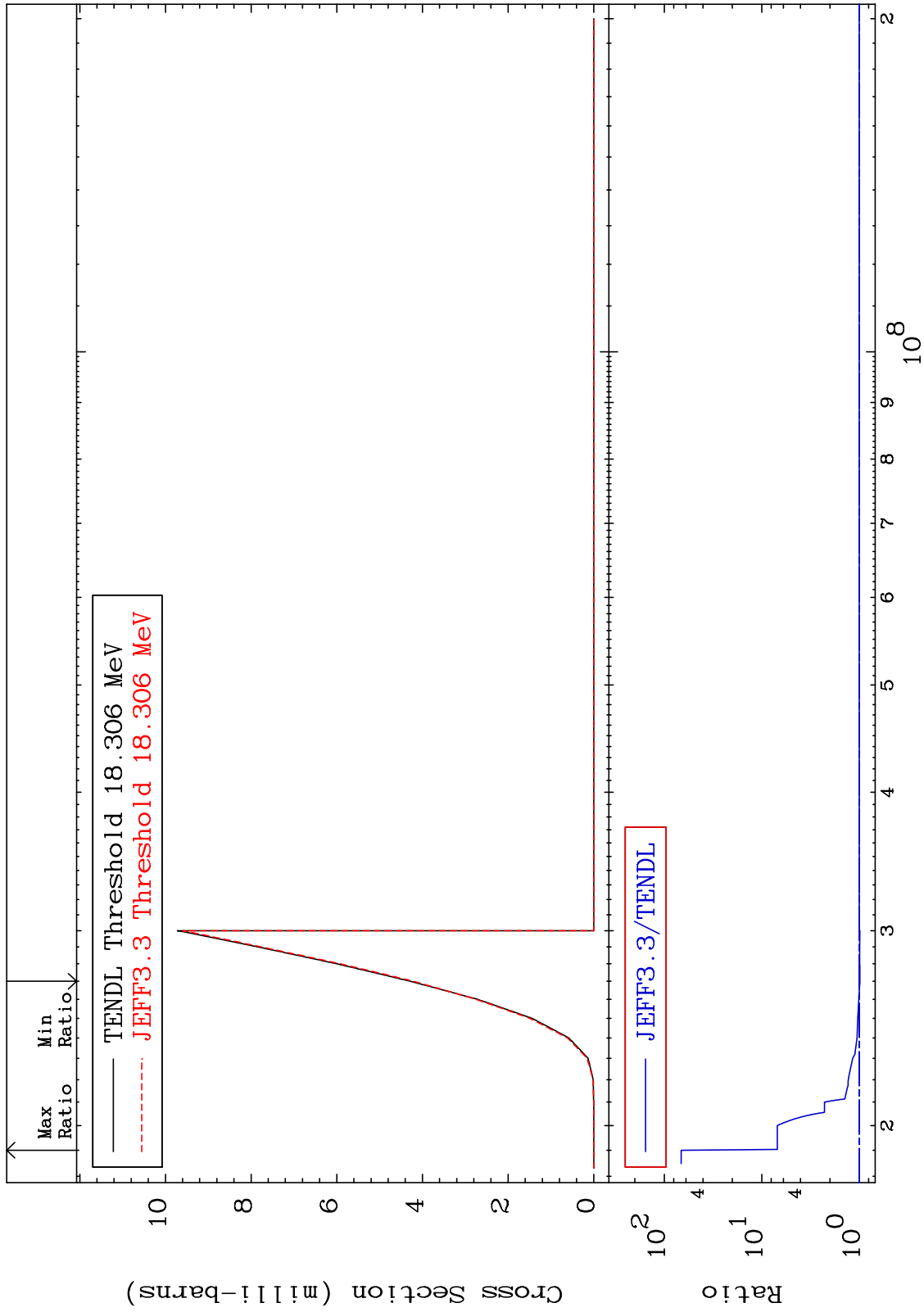
MAT 3443

(n,n') d

³⁴Se-80

Cross Section

-1.699 To 6599. %



11

Incident Energy (eV)

³⁴Se-80

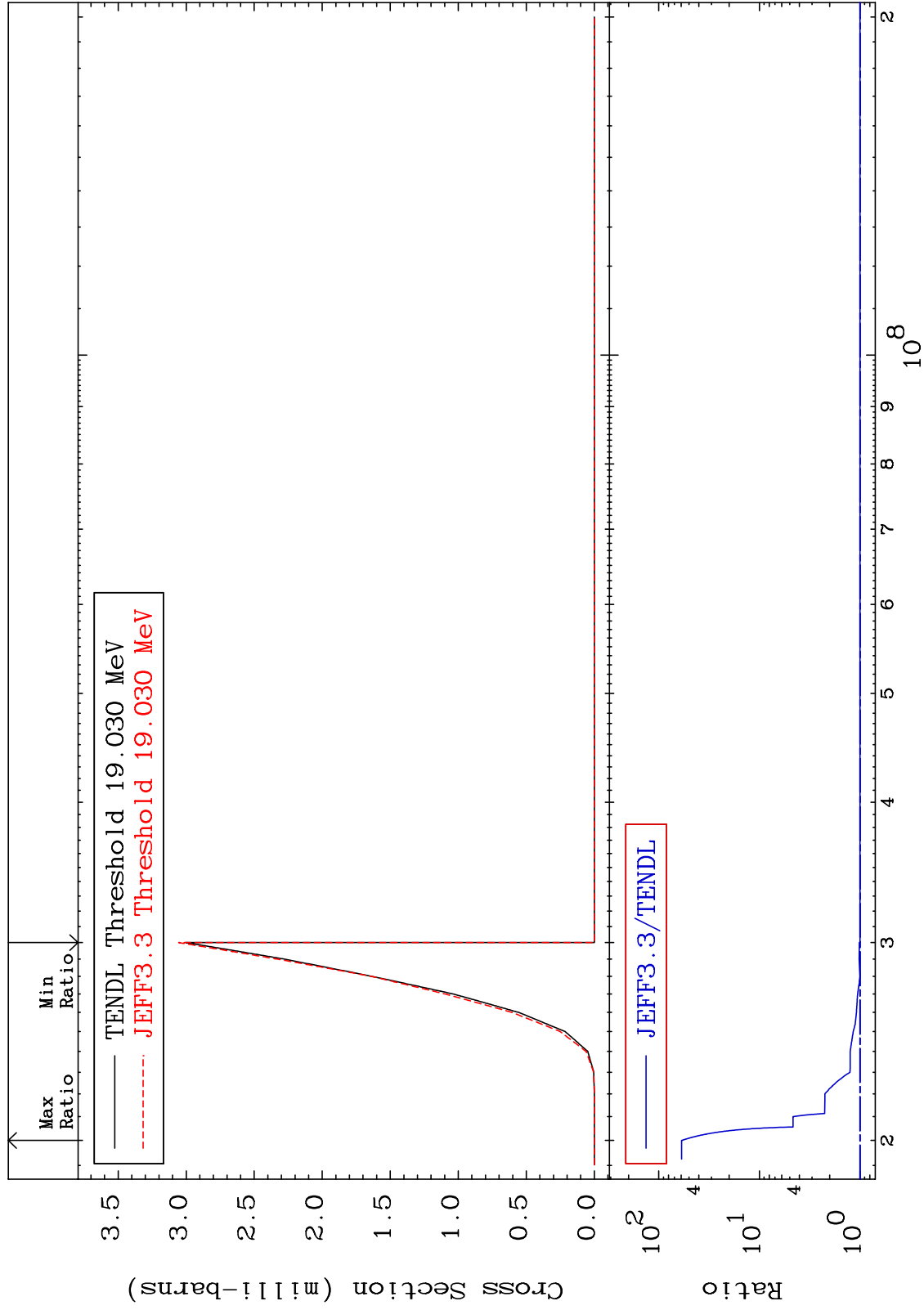
MAT 3443

(n,n') t

34-Se-80

Cross Section

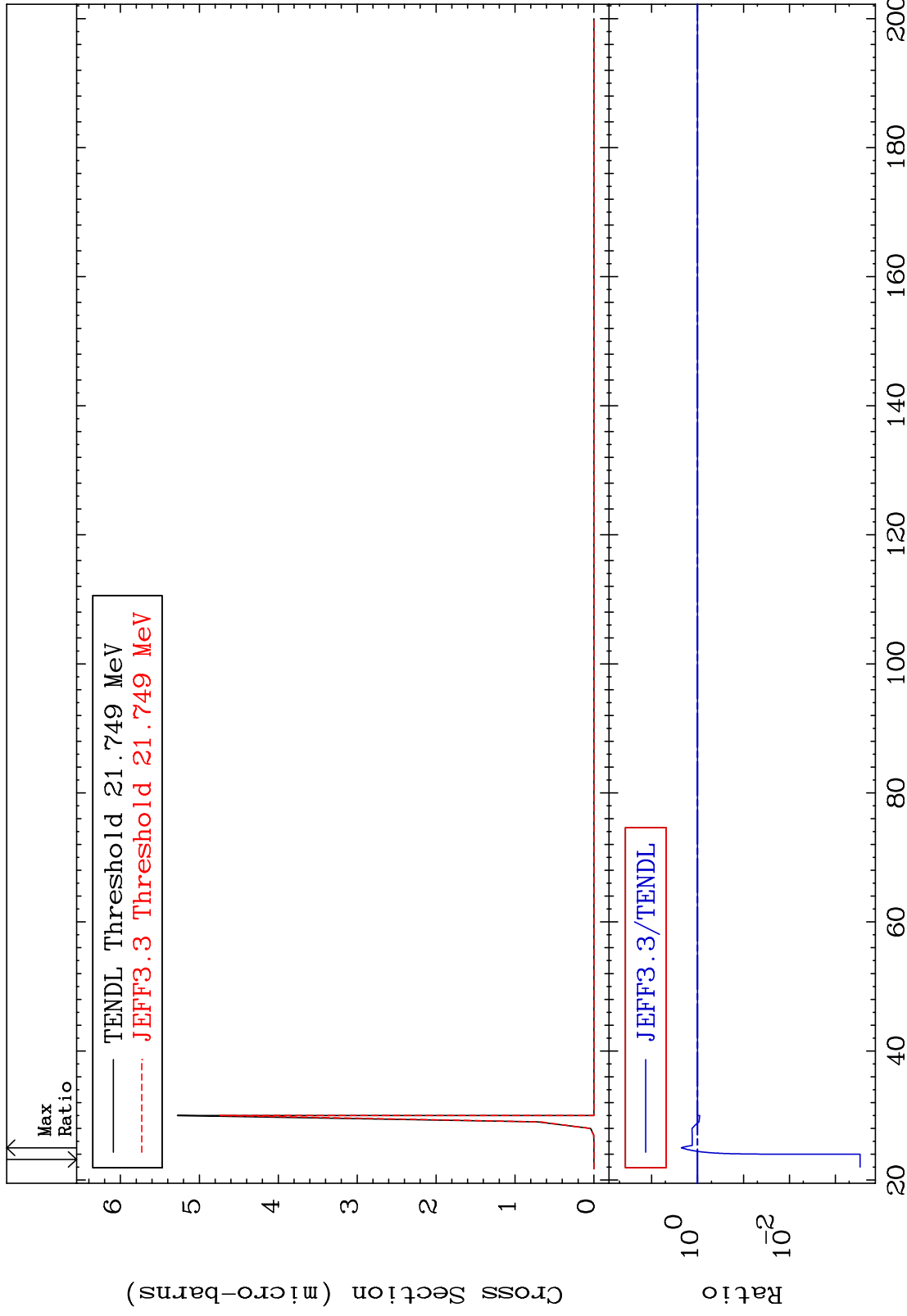
0.000 To 5826. %



MAT 3443

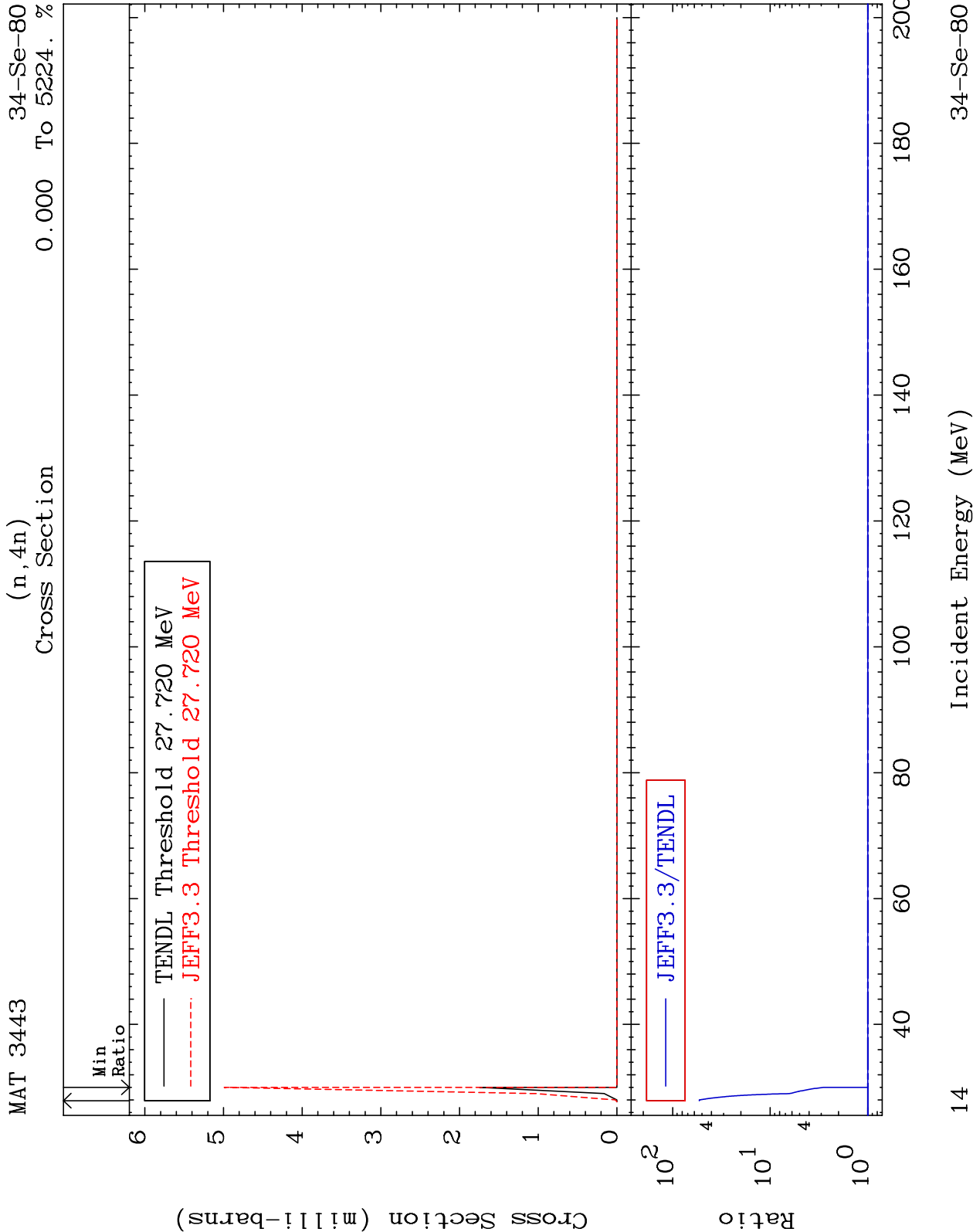
(n, n') He-3
Cross Section

34-Se-80
-99.97 To 125.1 %



34-Se-80

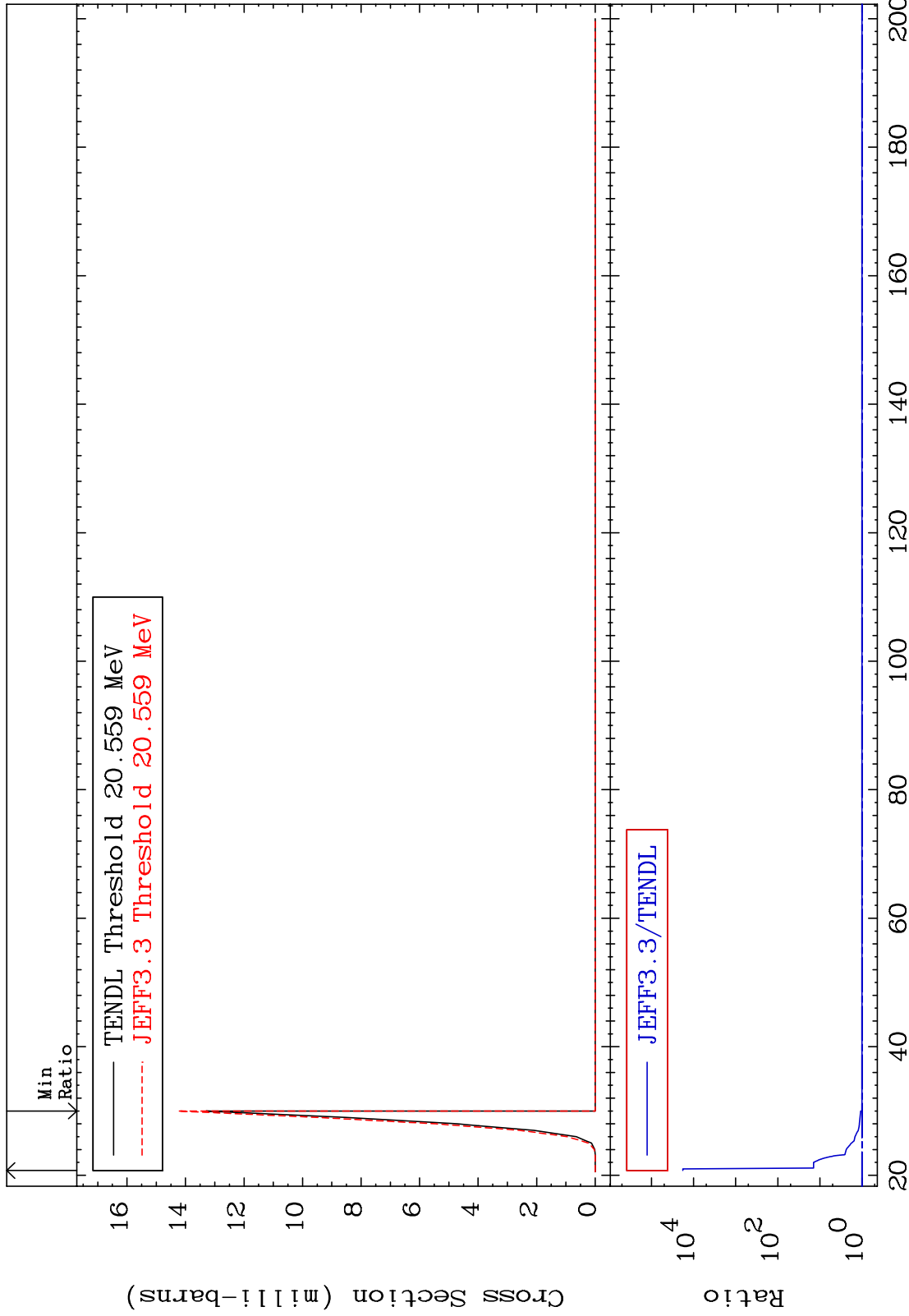
Incident Energy (MeV)



MAT 3443

(n,2n) p
Cross Section

34-Se-80
0.000 To 9999. %



34-Se-80

Incident Energy (MeV)

15

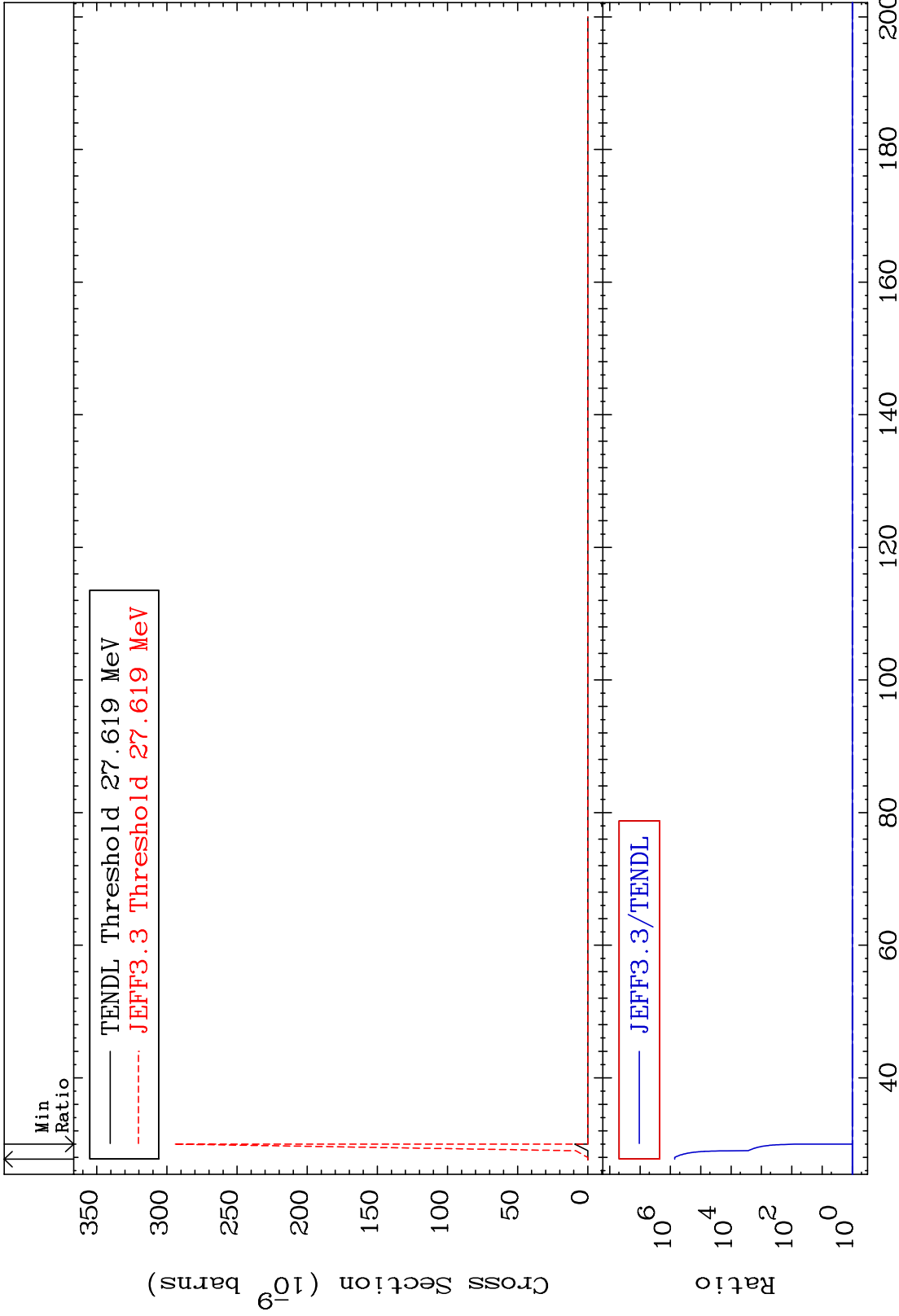
MAT 3443

(n,3n) p

³⁴Se-80

Cross Section

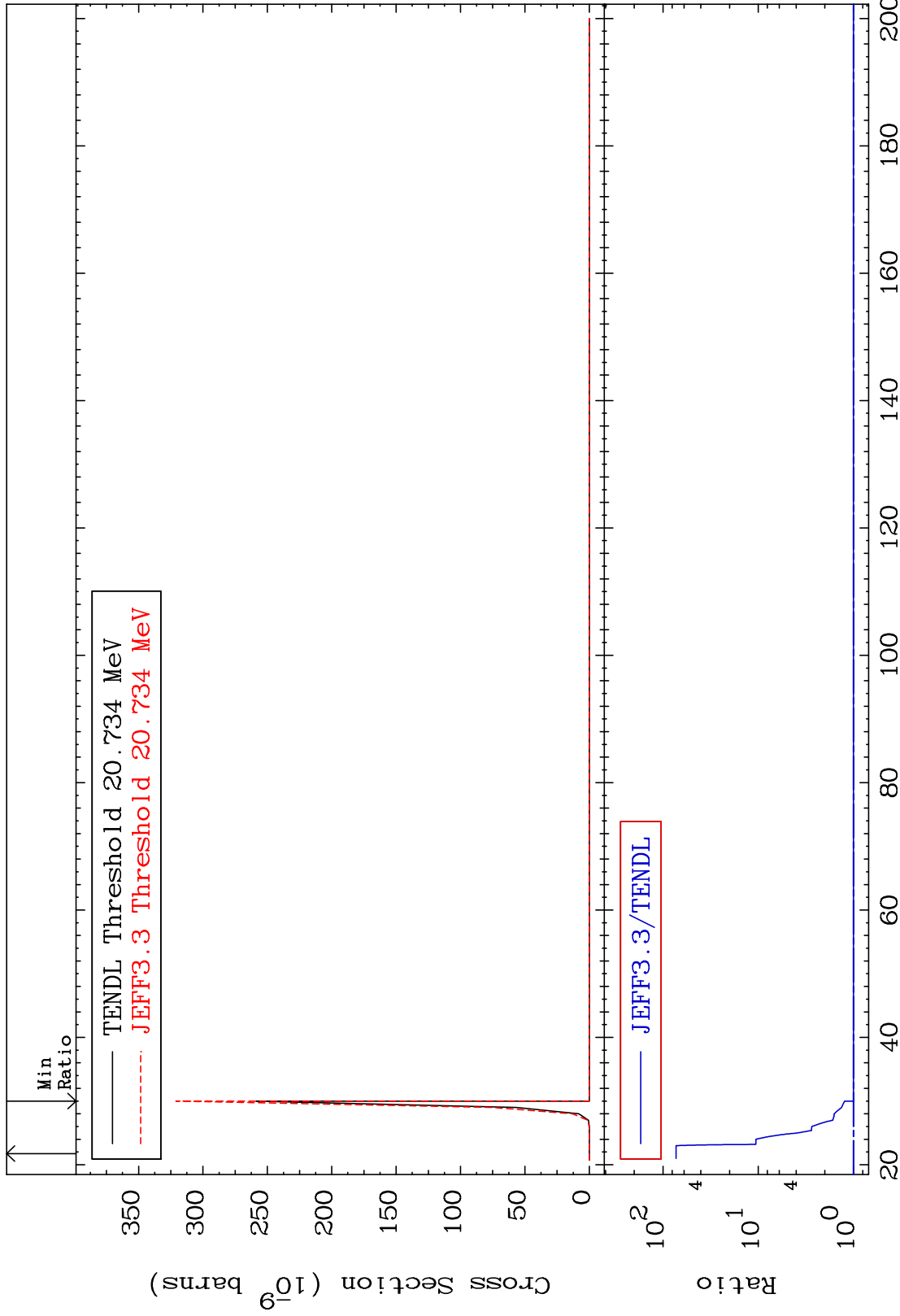
0.000 To 9999. %



MAT 3443

(n,2n) p
Cross Section

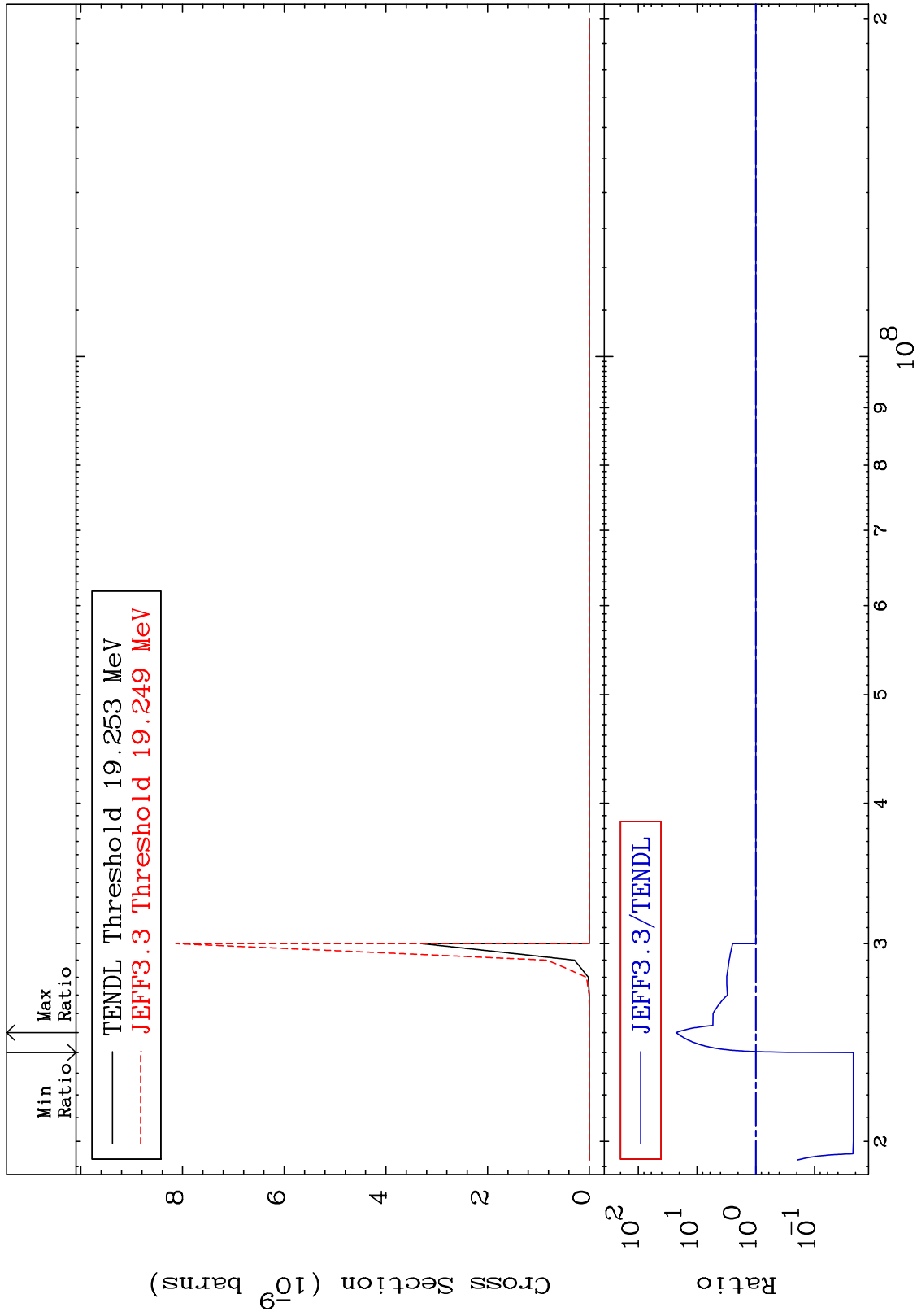
34-Se-80
0.000 To 7172. %



MAT 3443

(n,n') p α
Cross Section

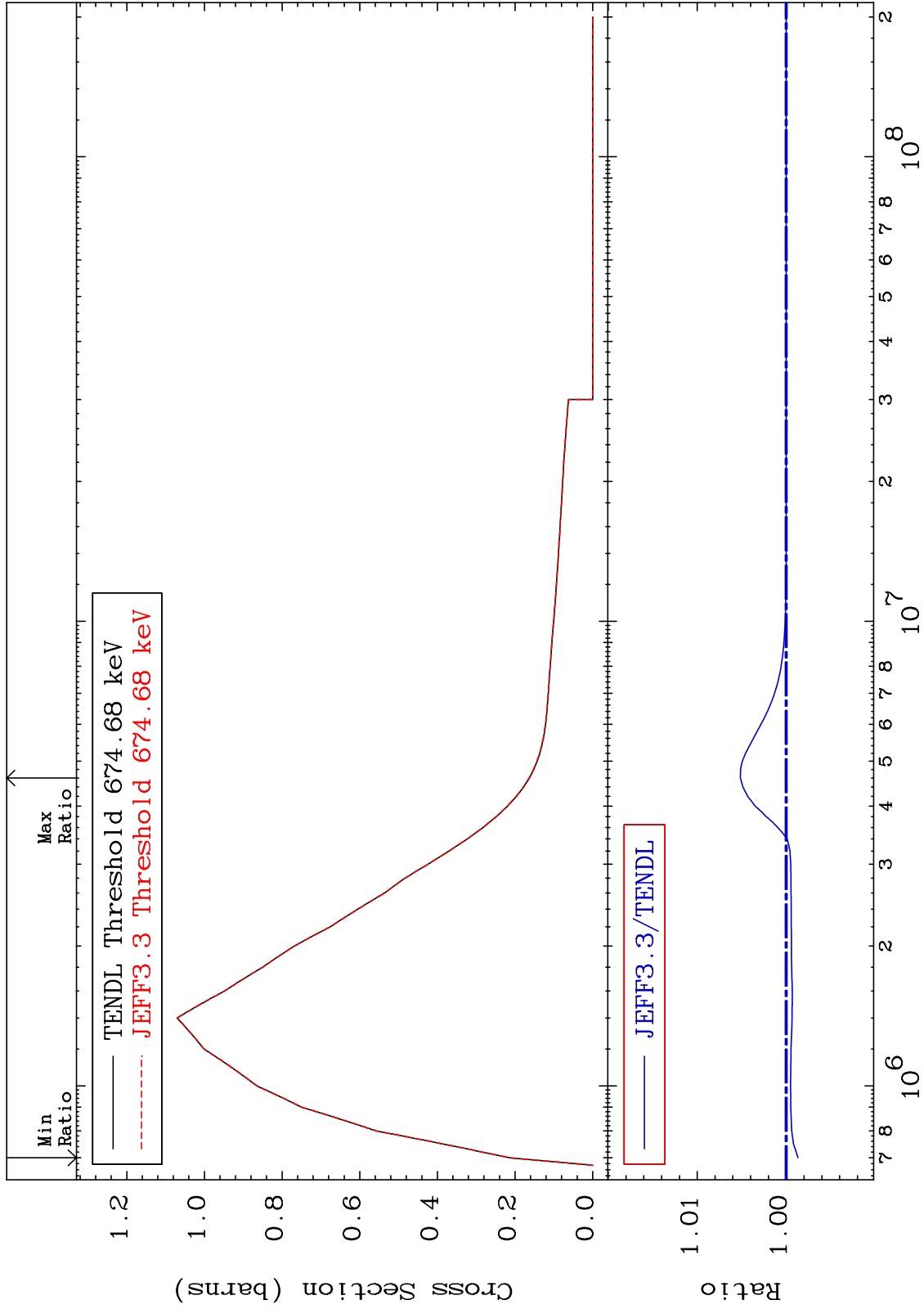
34-Se-80
-97.82 To 2170. %



MAT 3443

MT= 51 (n, n') Level
Cross Section

34-Se-80
-0.132 To 0.515 %



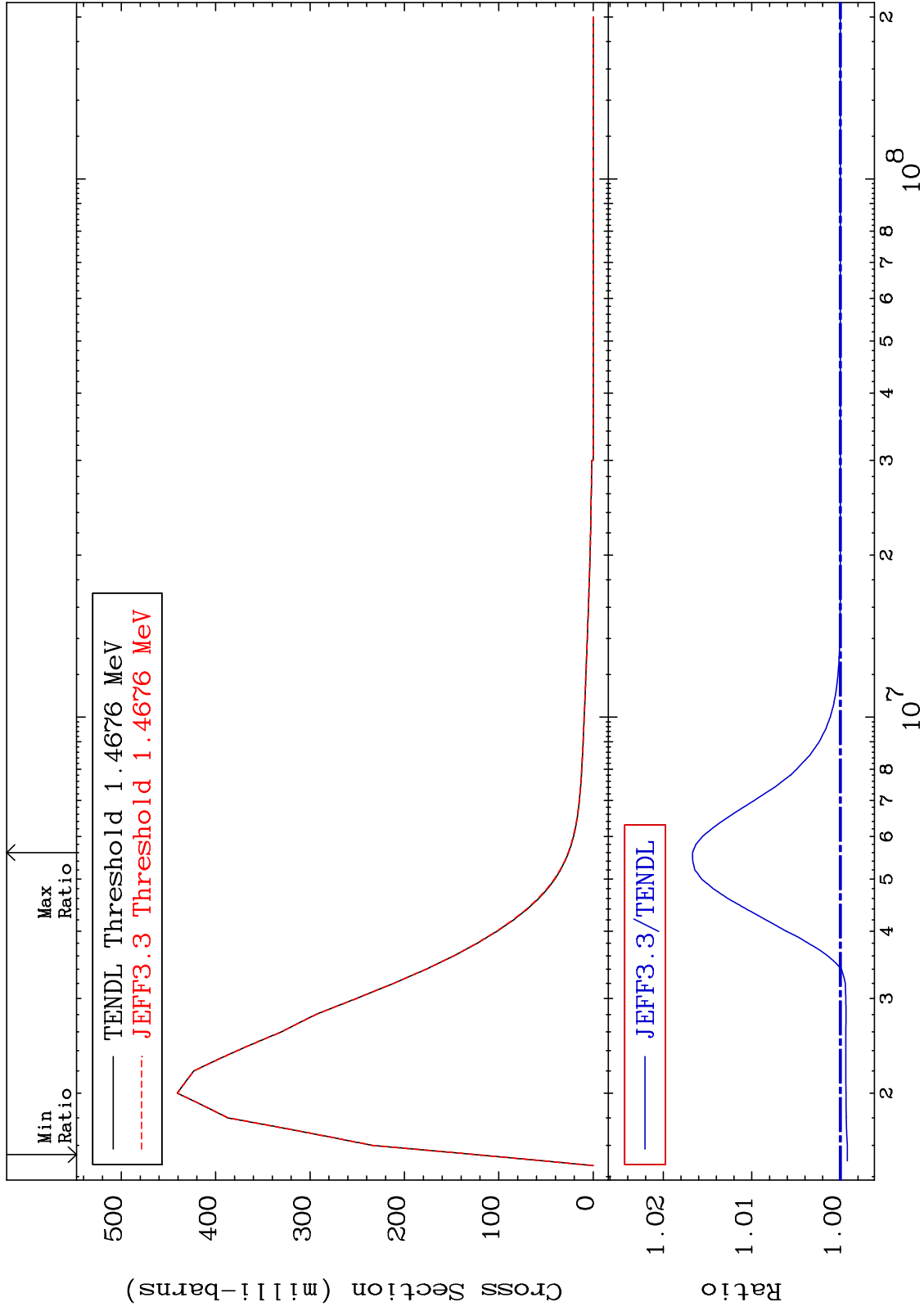
19

34-Se-80

MAT 3443

MT= 52 (n,n') Level
Cross Section

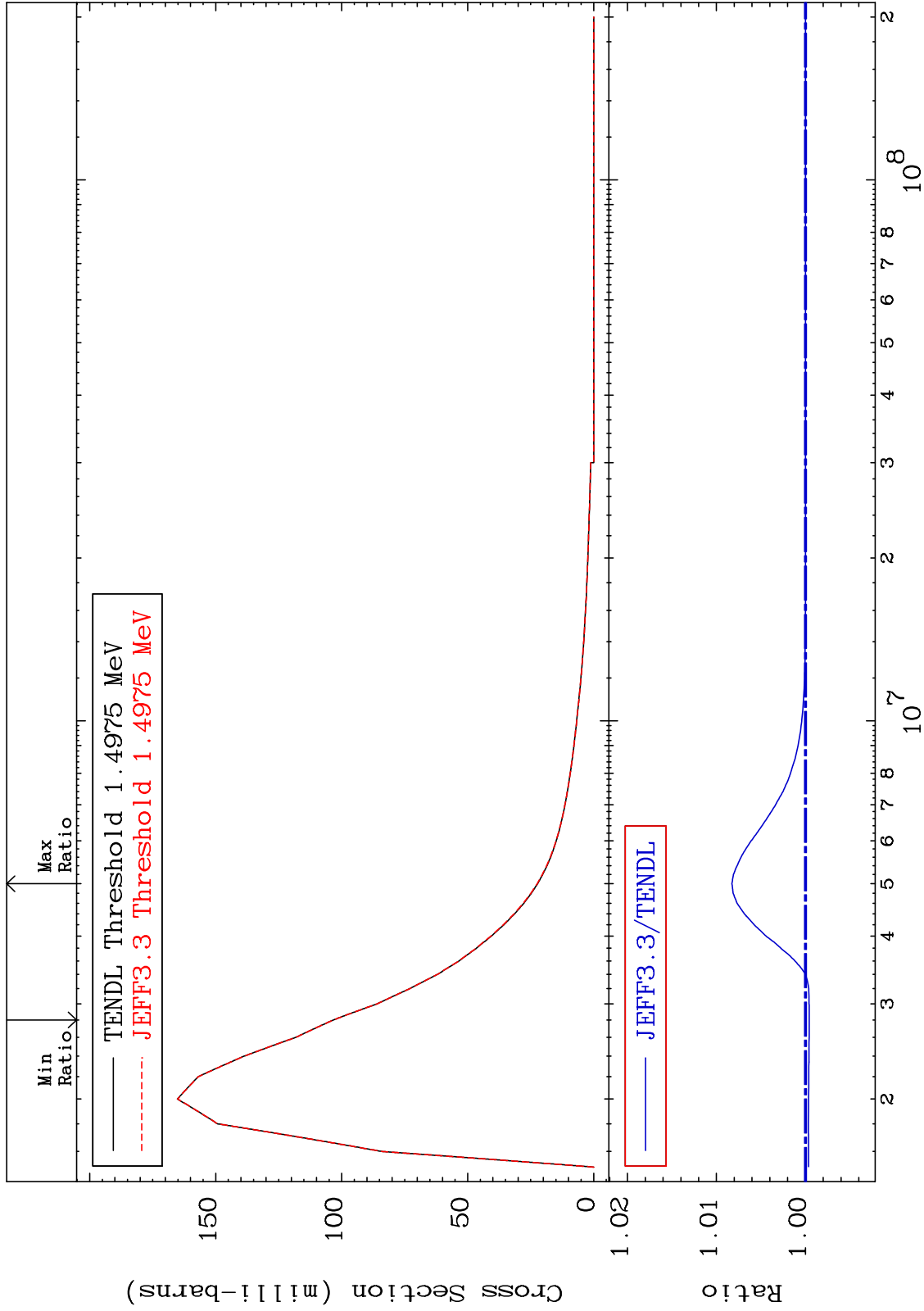
34-Se-80
-0.078 To 1.669 %



MAT 3443

MT= 53 (n,n') Level
Cross Section

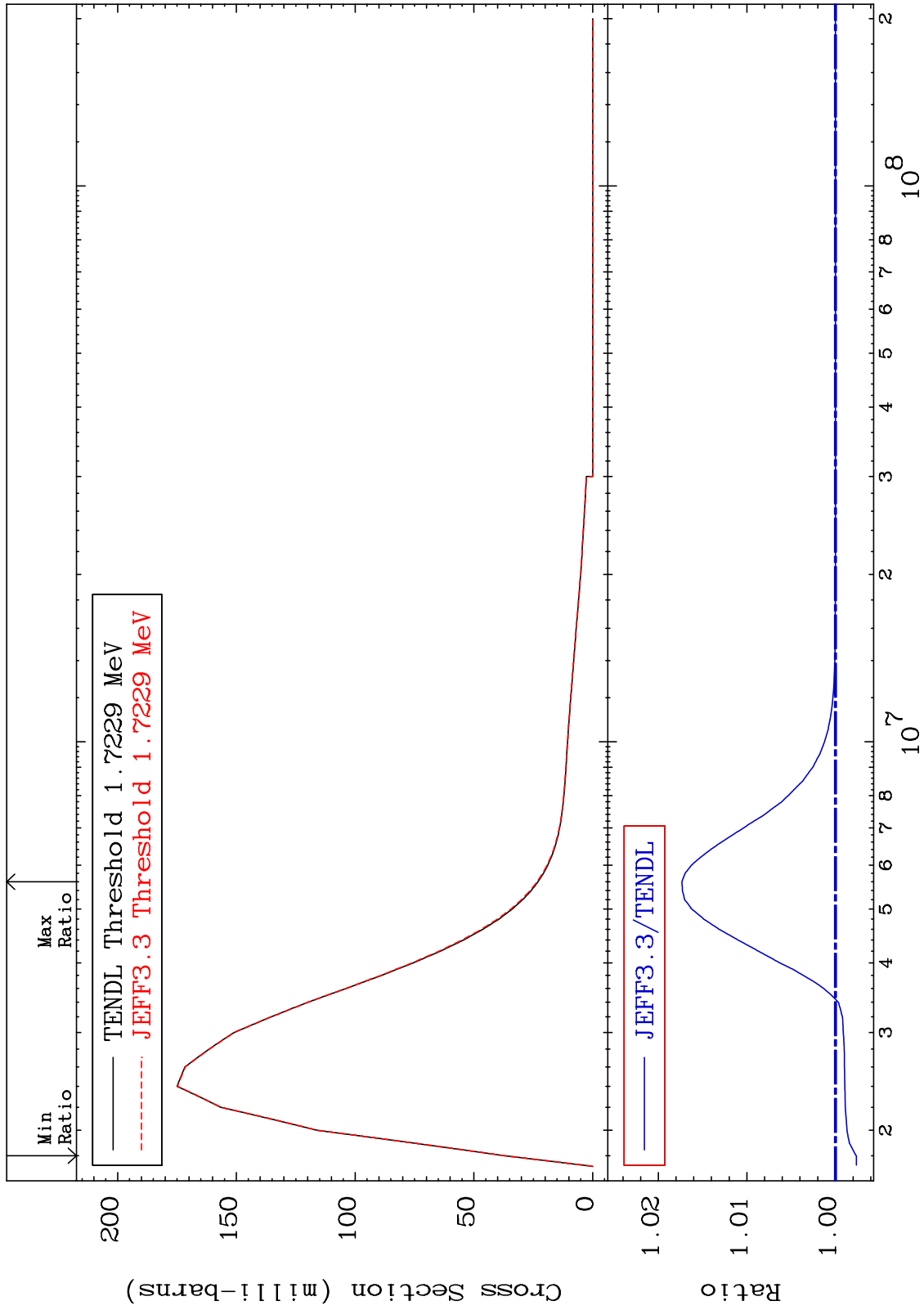
34-Se-80
-0.043 To 0.826 %



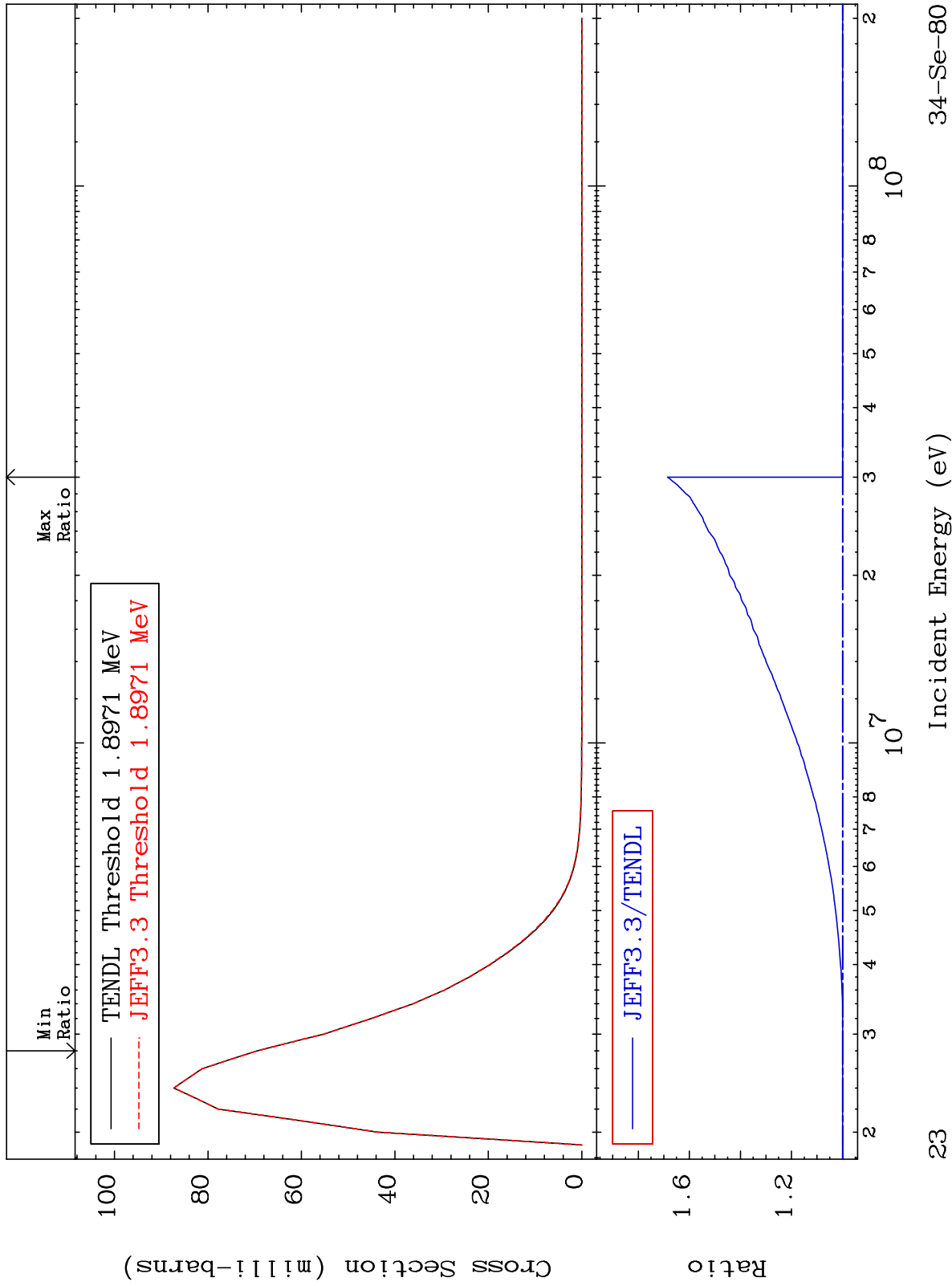
MAT 3443

MT= 54 (n,n') Level
Cross Section

34-Se-80
-0.238 To 1.733 %



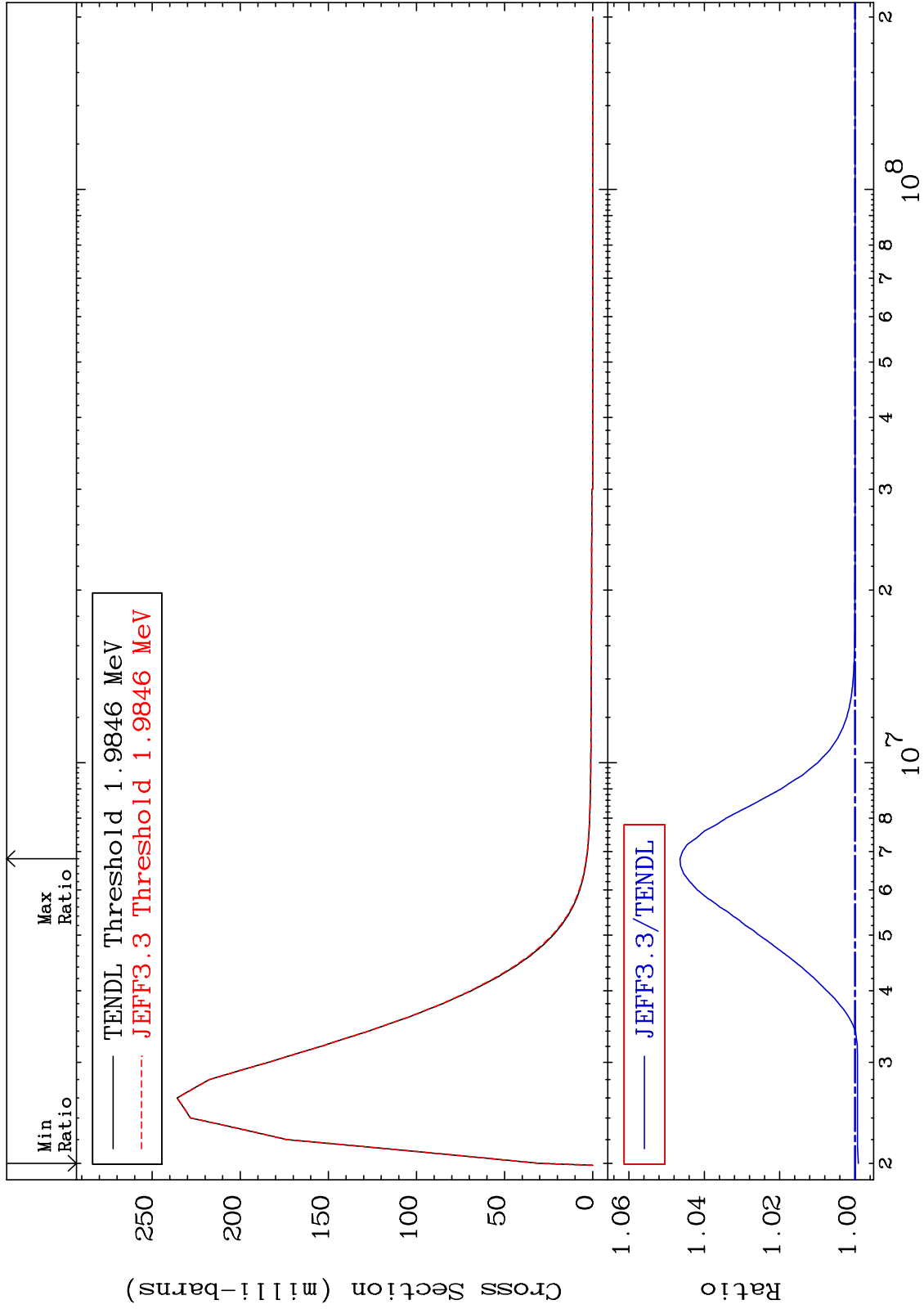
MAT 3443 MT= 55 (n,n') Level Cross Section -0.050 To 68.54 % 34-Se-80



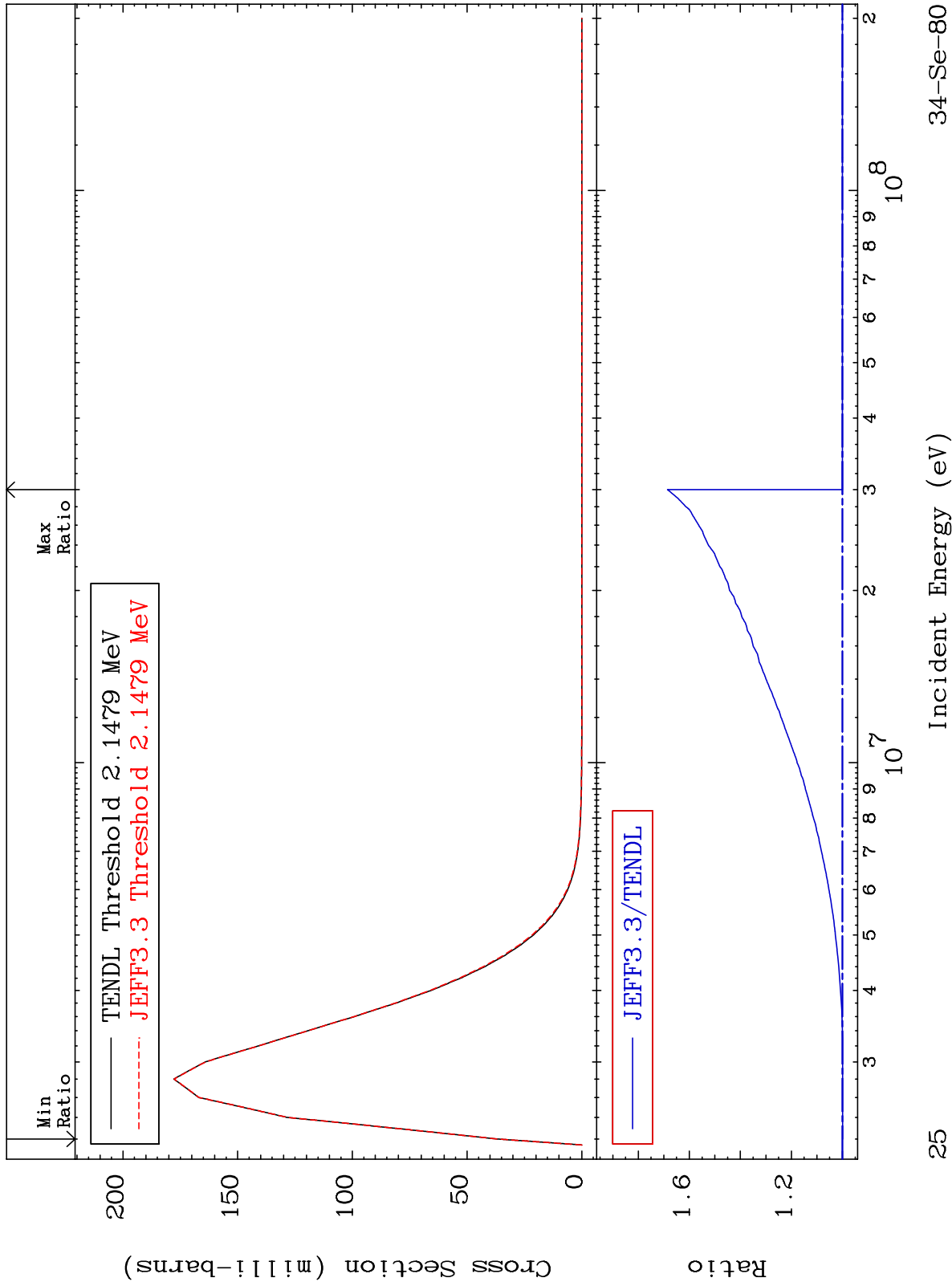
MAT 3443

MT= 56 (n,n') Level
Cross Section

34-Se-80
-0.091 To 4.644 %



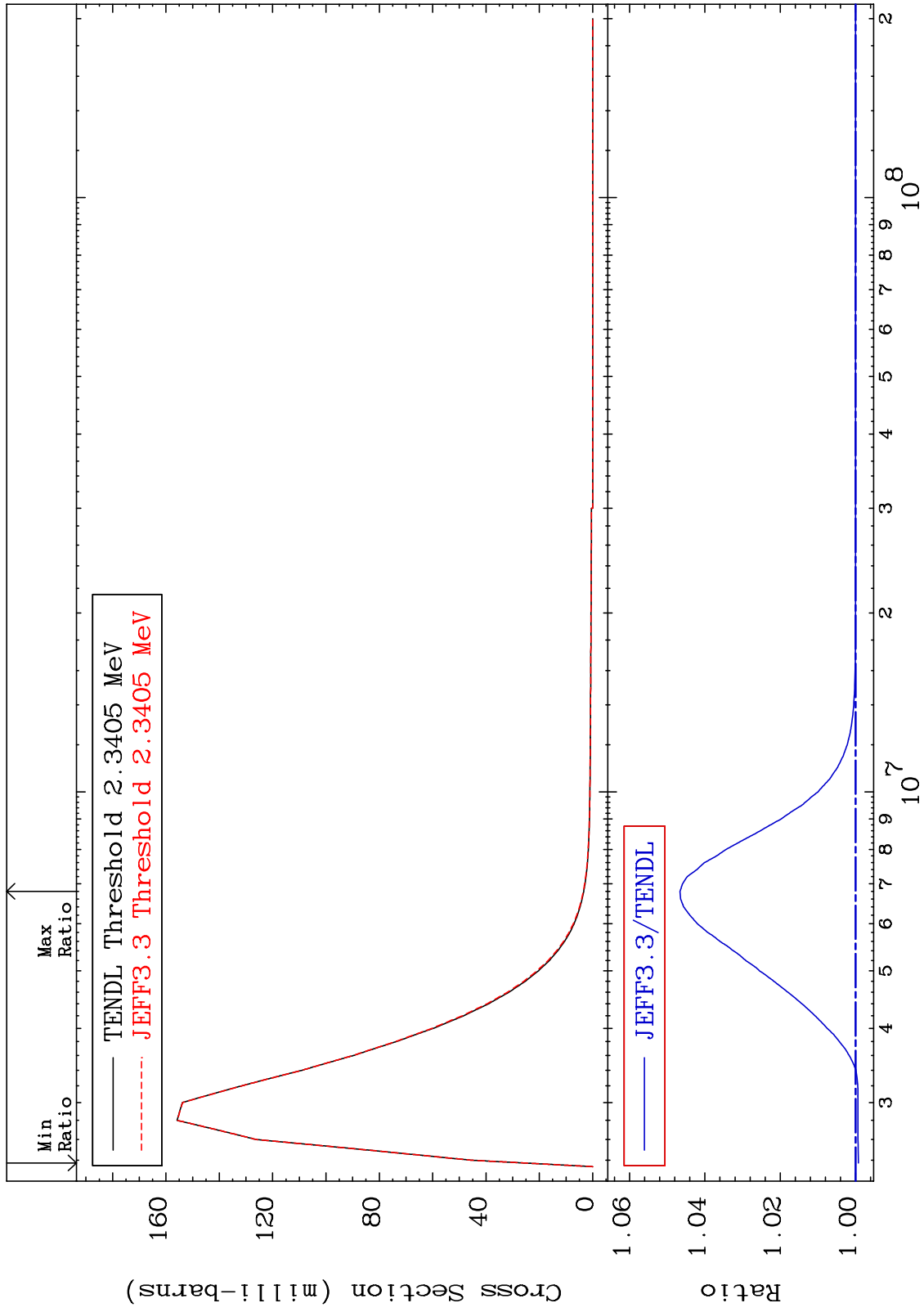
MAT 3443 MT= 57 (n, n') Level Cross Section 34-Se-80
 -0.100 To 68.54 %



MAT 3443

MT= 58 (n,n') Level
Cross Section

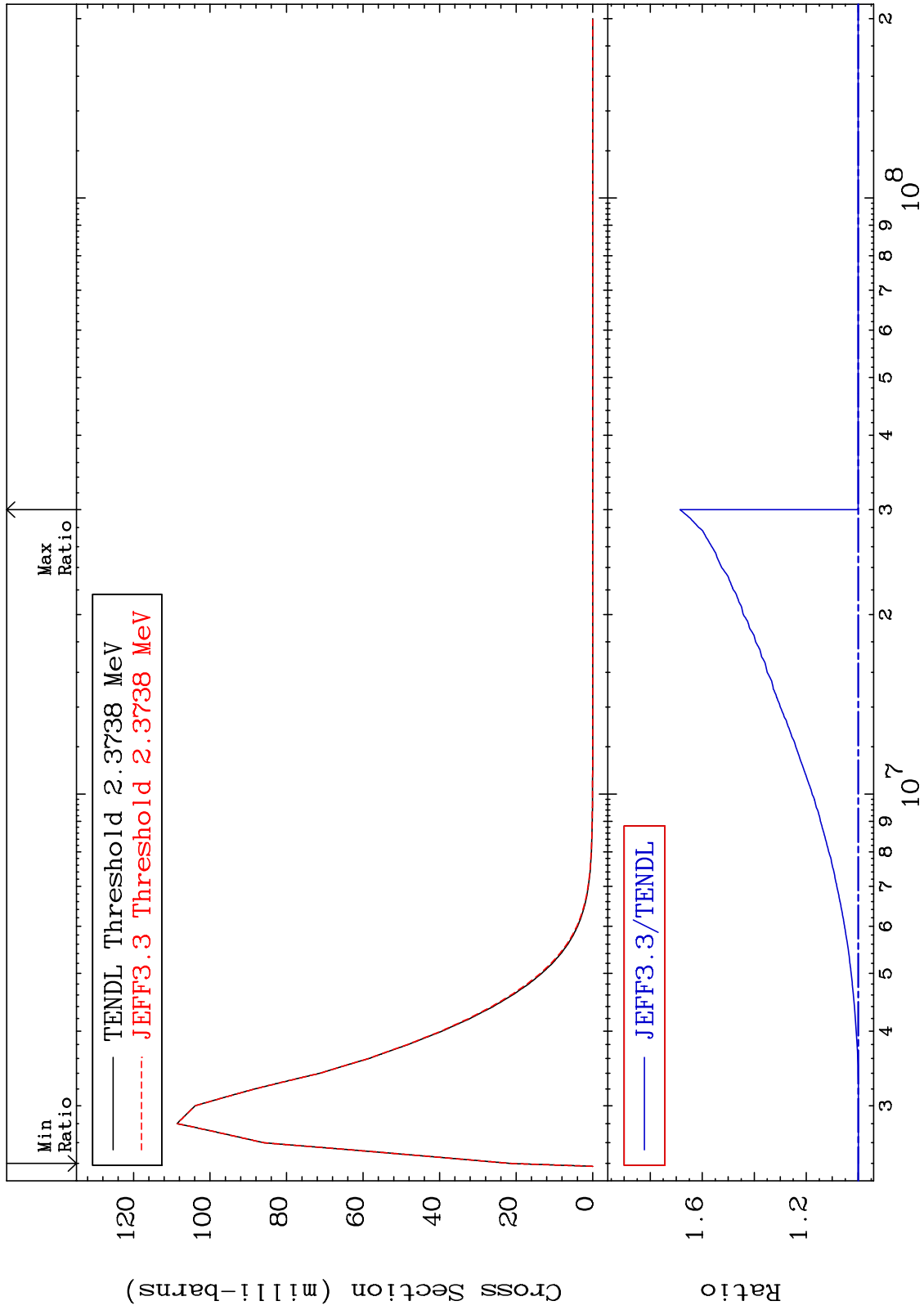
34-Se-80
-0.075 To 4.661 %



MAT 3443

MT= 59 (n, n') Level
Cross Section

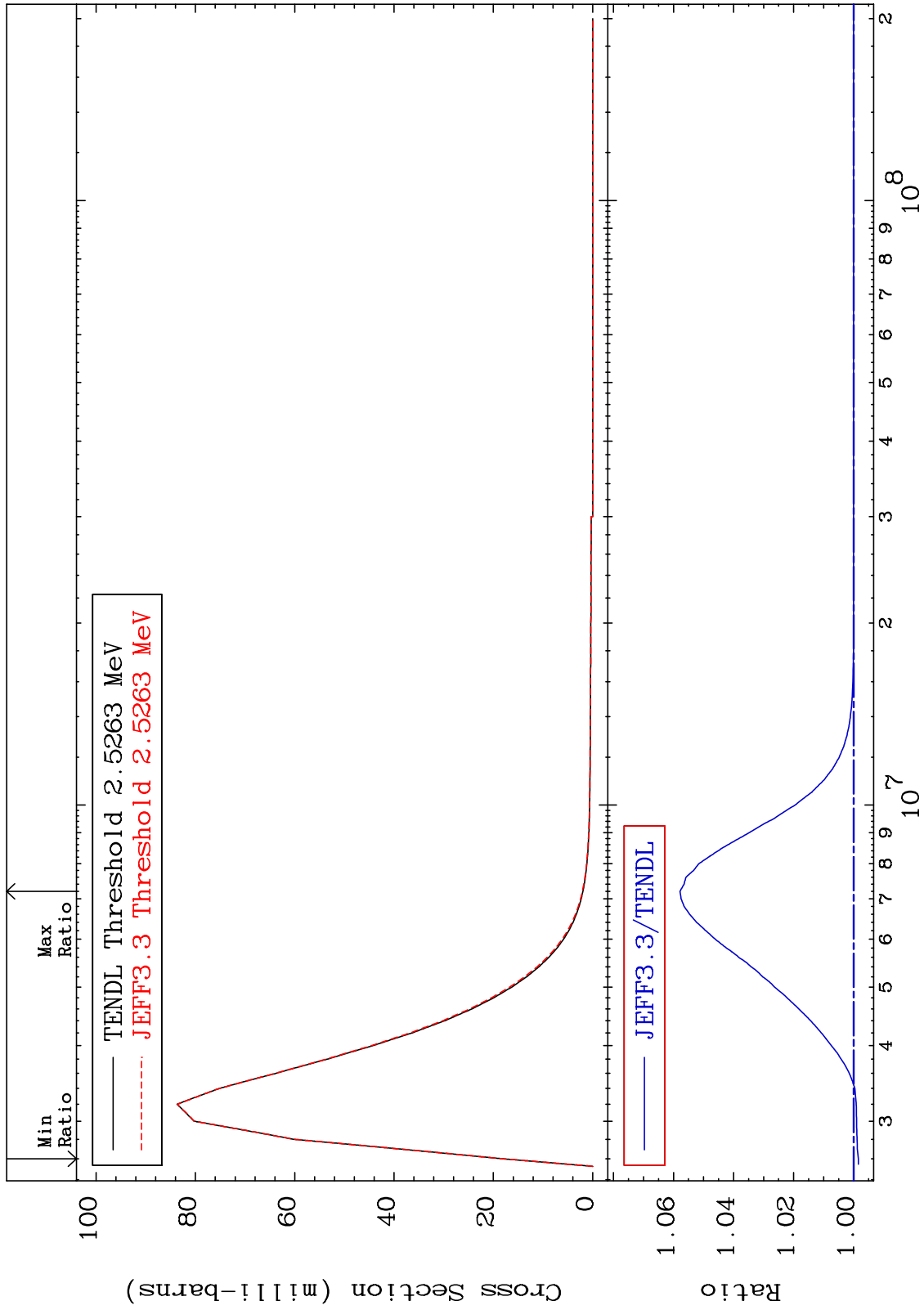
34-Se-80
-0.061 To 68.54 %



MAT 3443

MT= 60 (n,n') Level
Cross Section

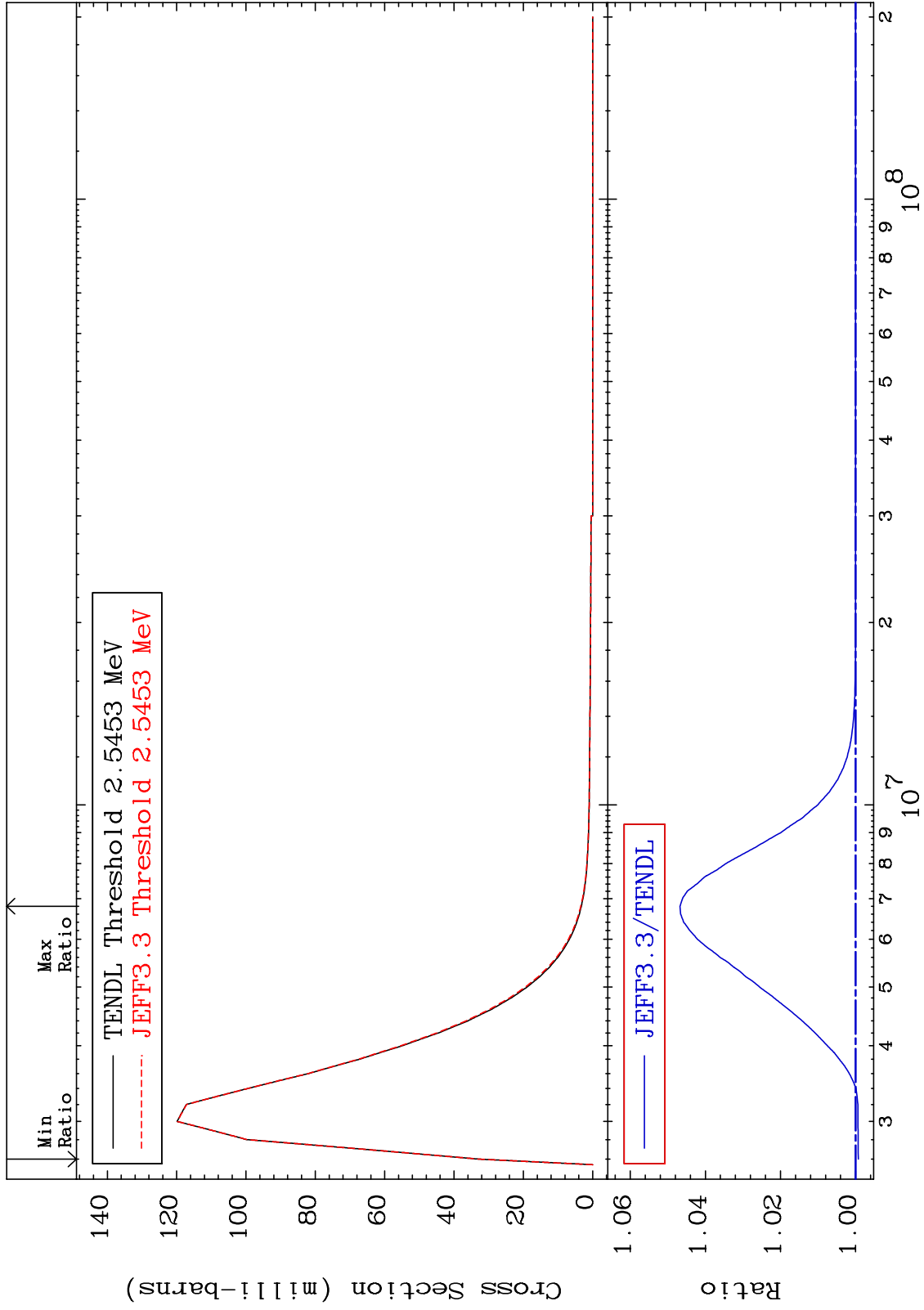
34-Se-80
-0.158 To 5.785 %



MAT 3443

MT= 61 (n,n') Level
Cross Section

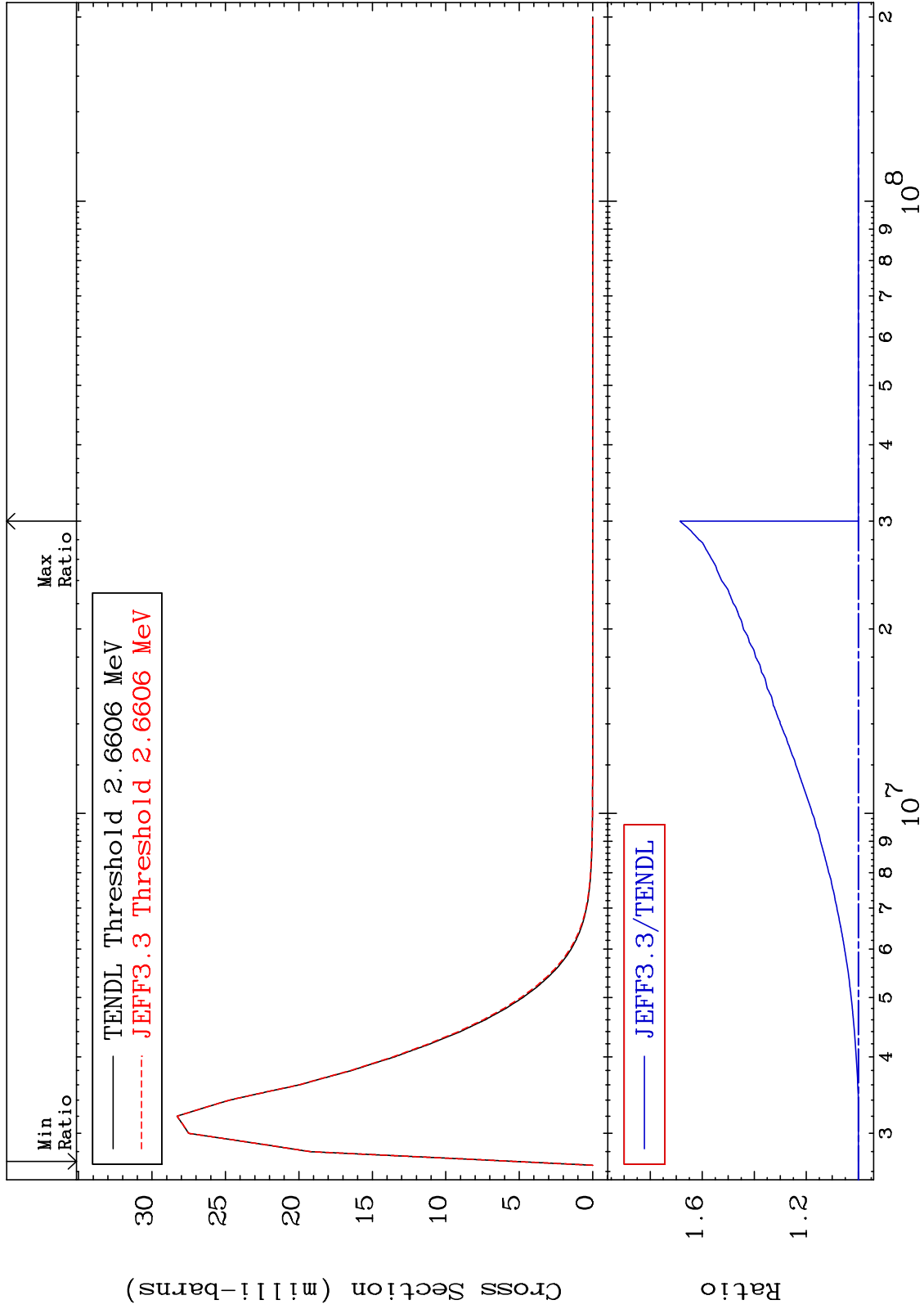
34-Se-80
-0.075 To 4.675 %



MAT 3443

MT= 62 (n, n') Level
Cross Section

34-Se-80
-0.049 To 68.54 %



30

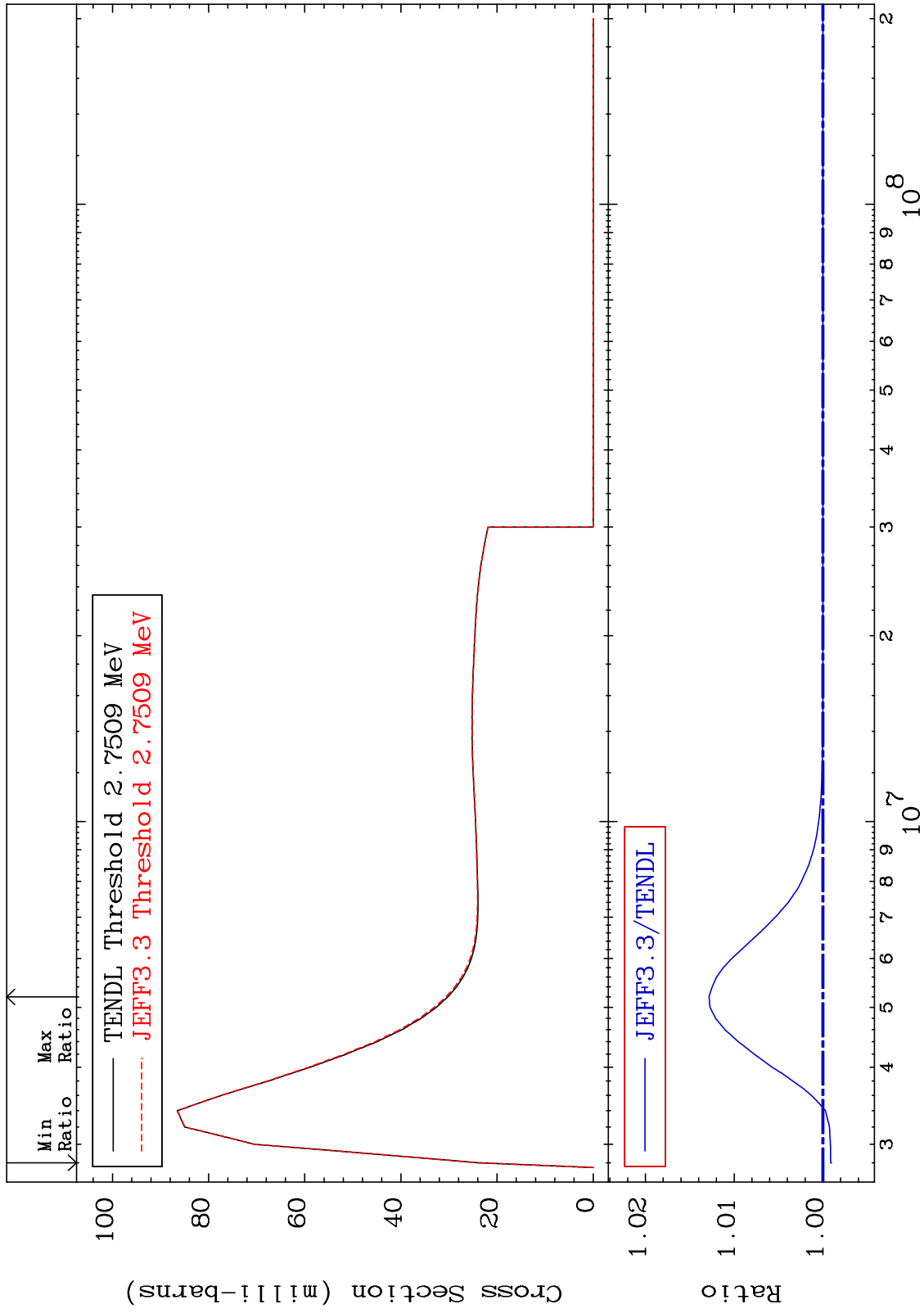
Incident Energy (eV)

34-Se-80

MAT 3443

MT= 63 (n,n') Level
Cross Section

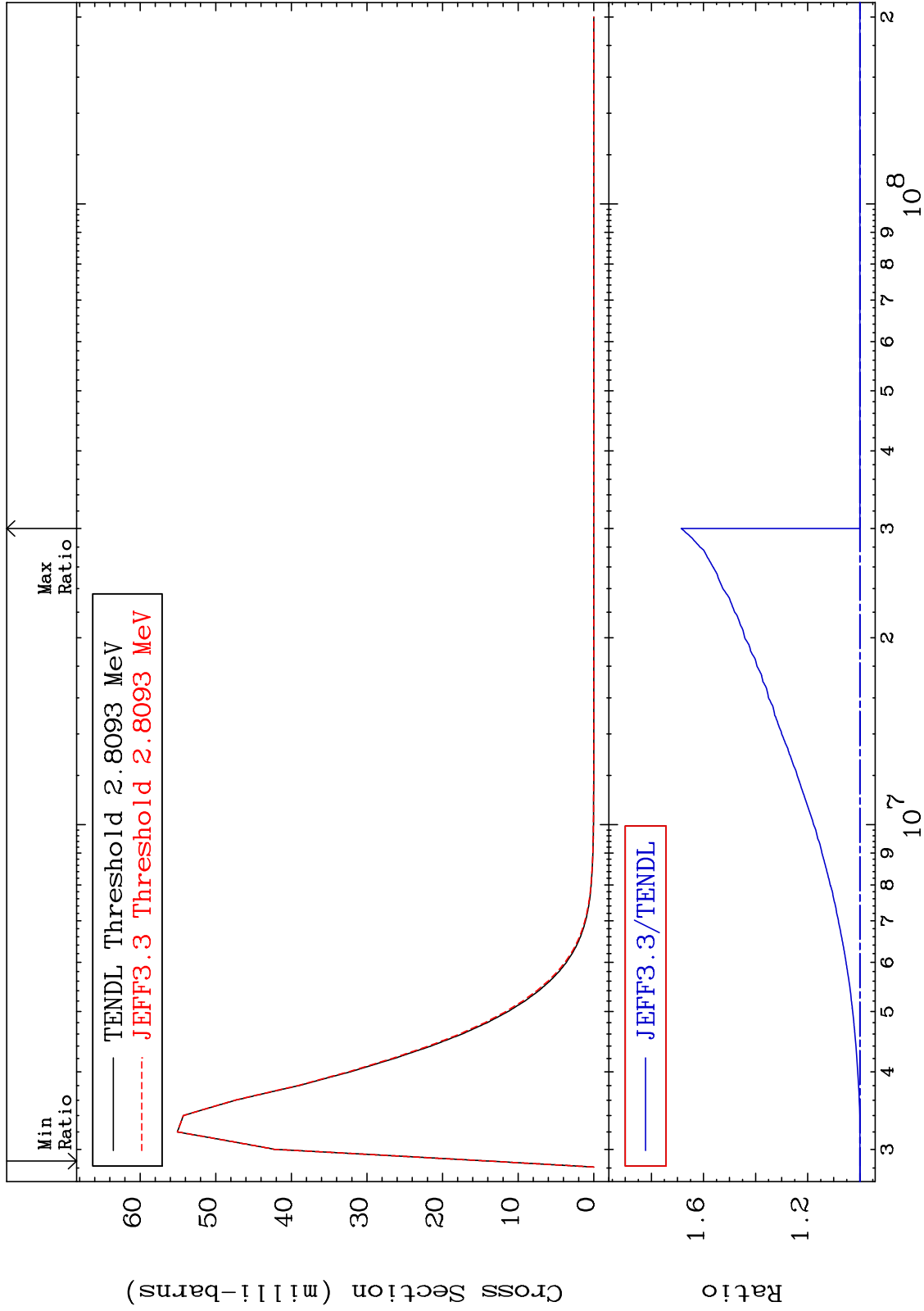
34-Se-80
-0.089 To 1.283 %



MAT 3443

MT= 64 (n, n') Level
Cross Section

34-Se-80
-0.050 To 68.54 %



32

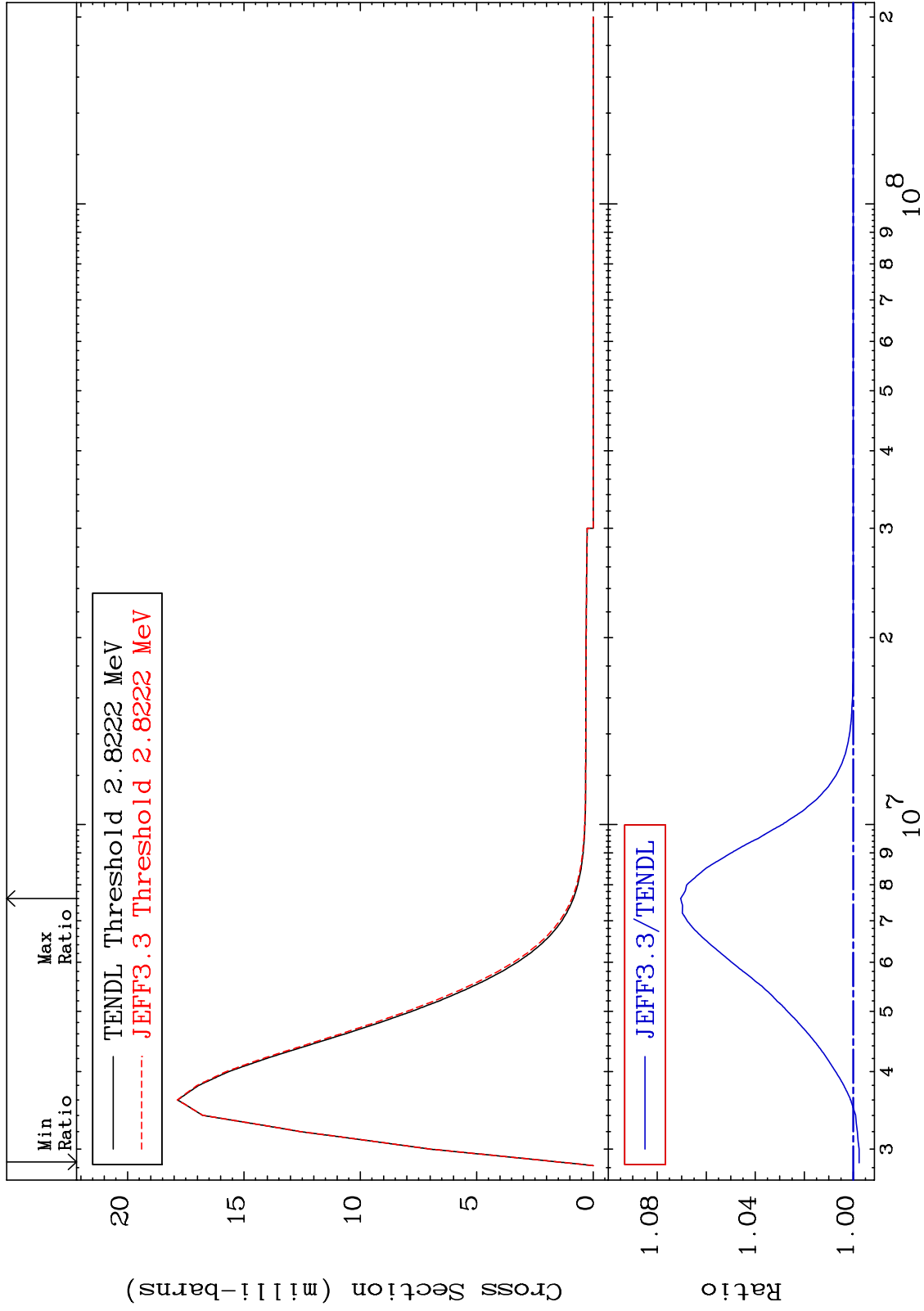
Incident Energy (eV)

34-Se-80

MAT 3443

MT= 65 (n,n') Level
Cross Section

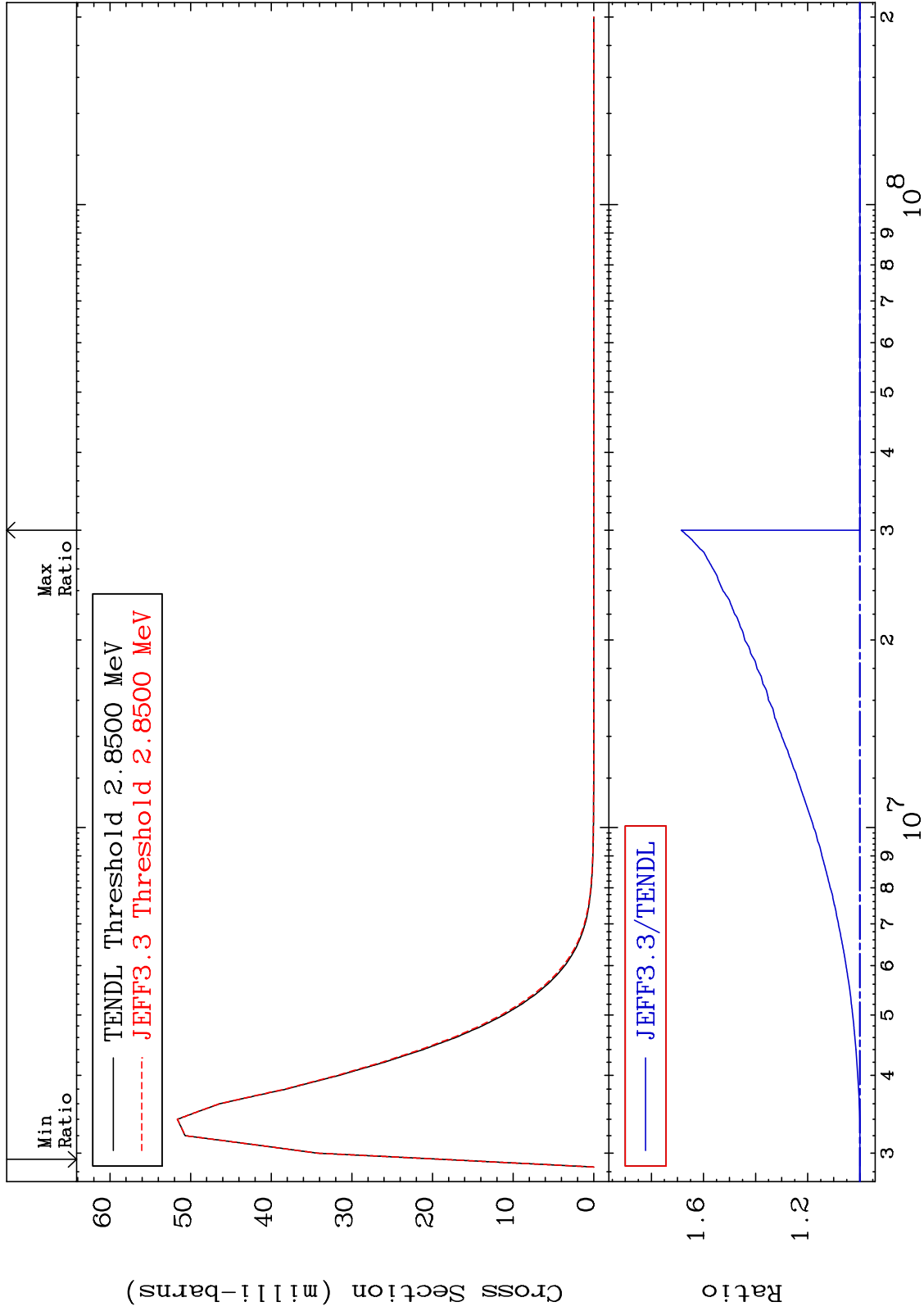
34-Se-80
-0.240 To 7.045 %



MAT 3443

MT= 66 (n, n') Level
Cross Section

34-Se-80
-0.051 To 68.54 %



34

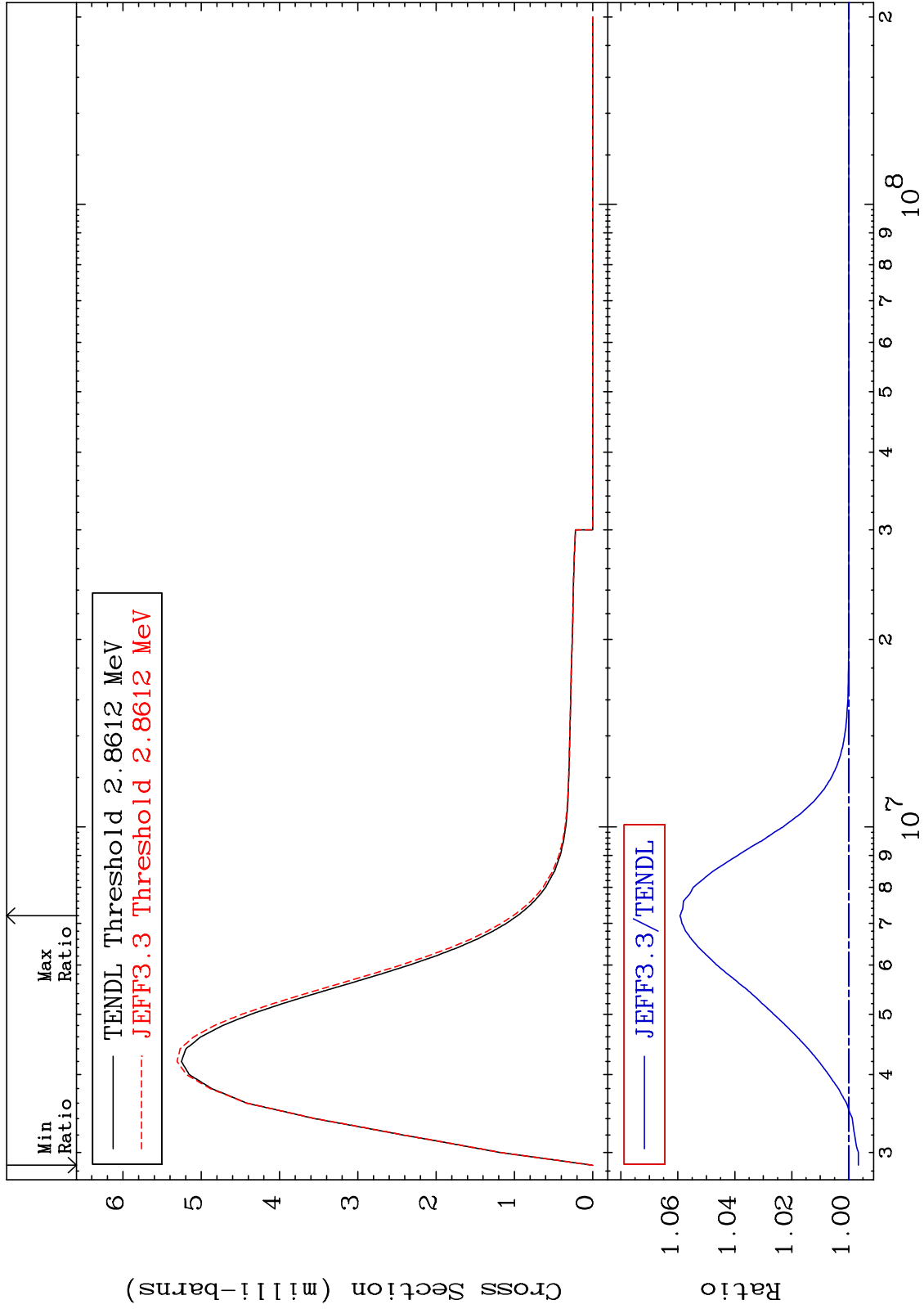
Incident Energy (eV)

34-Se-80

MAT 3443

MT= 67 (n,n') Level
Cross Section

34-Se-80
-0.338 To 5.923 %



35

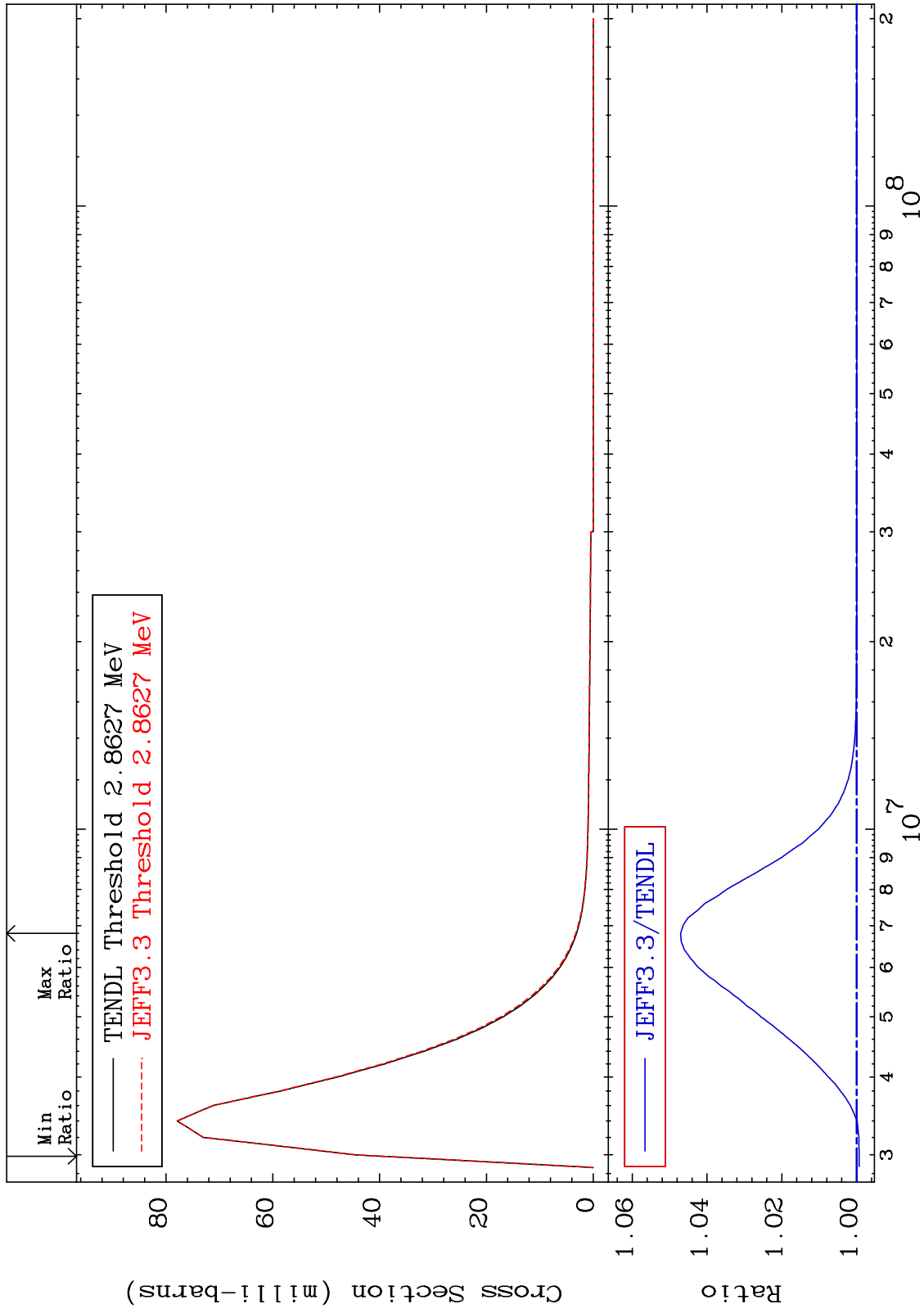
Incident Energy (eV)

34-Se-80

MAT 3443

MT= 68 (n,n') Level
Cross Section

34-Se-80
-0.068 To 4.707 %



36

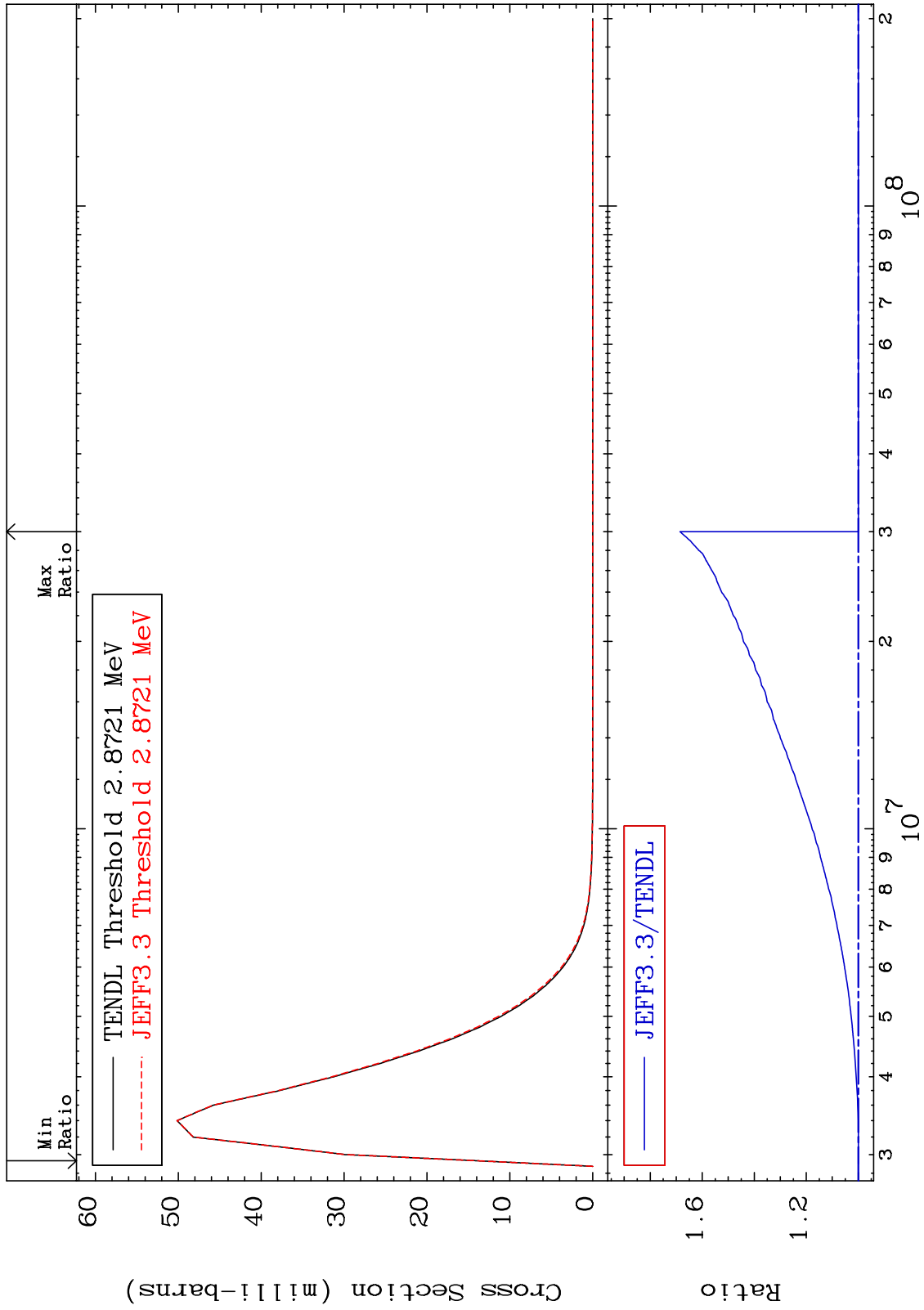
Incident Energy (eV)

34-Se-80

MAT 3443

MT= 69 (n, n') Level
Cross Section

34-Se-80
-0.051 To 68.54 %



37

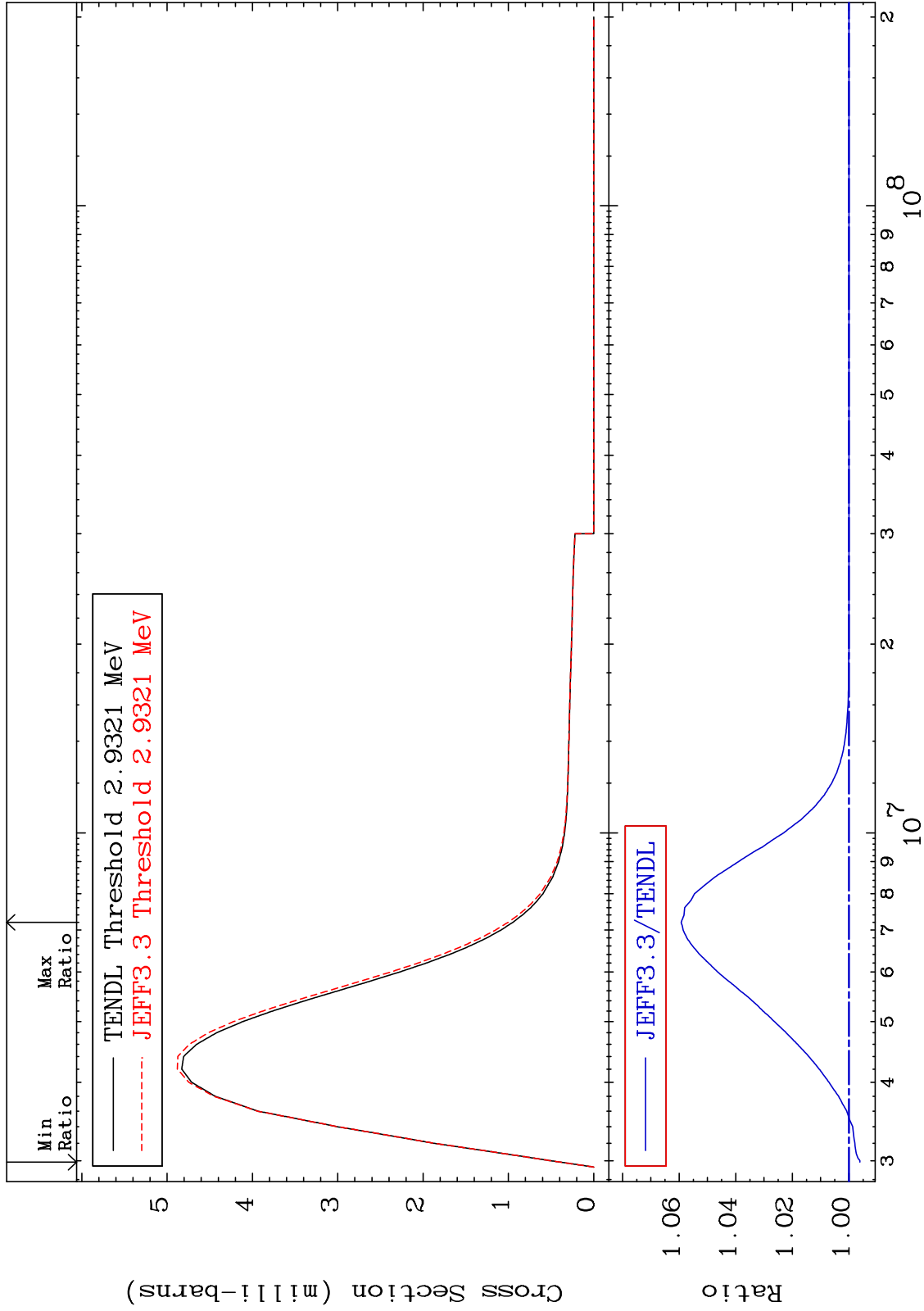
34-Se-80

34-Se-80

MAT 3443

MT= 70 (n,n') Level
Cross Section

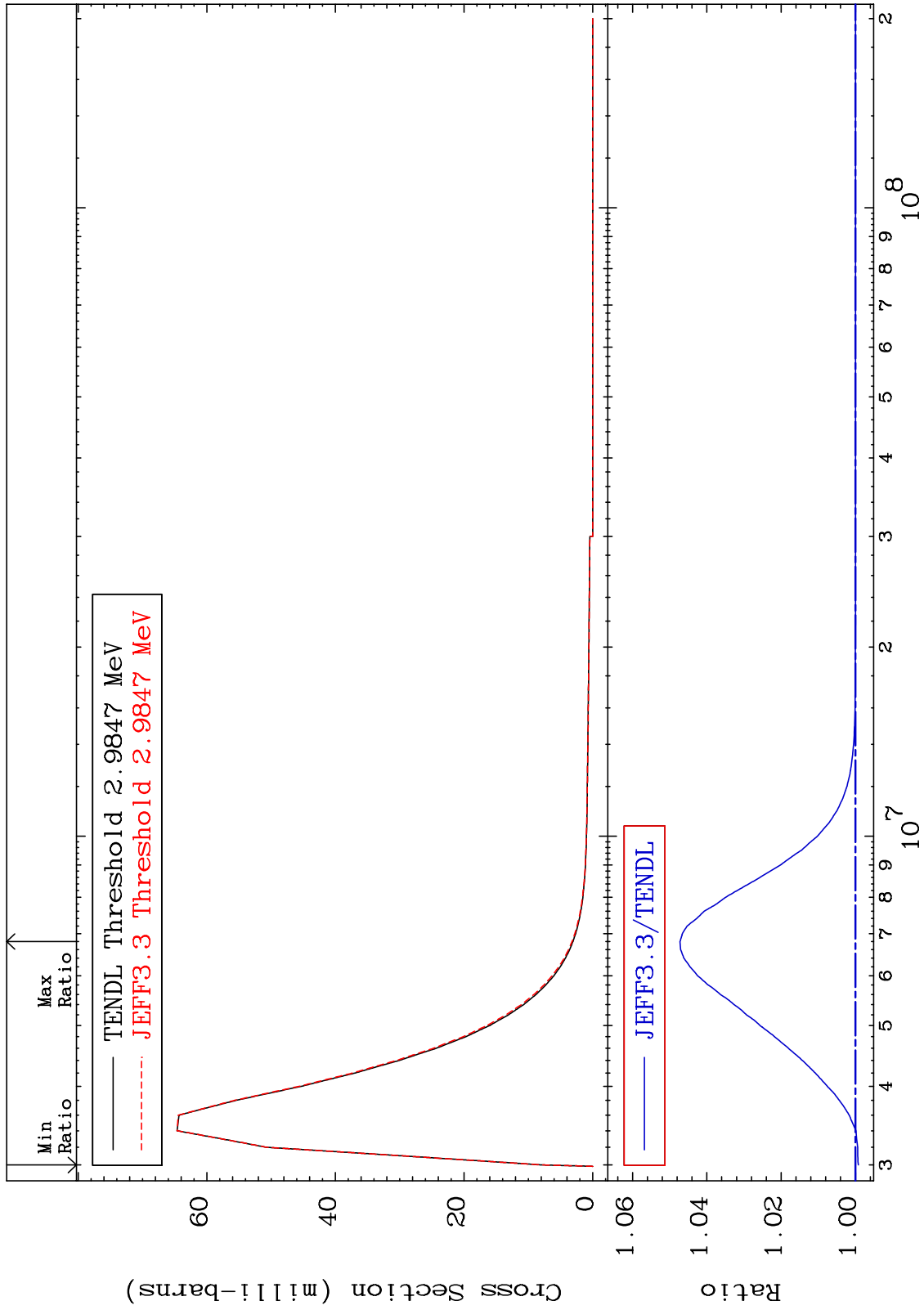
34-Se-80
-0.388 To 5.928 %



MAT 3443

MT= 71 (n,n') Level
Cross Section

34-Se-80
-0.080 To 4.722 %



39

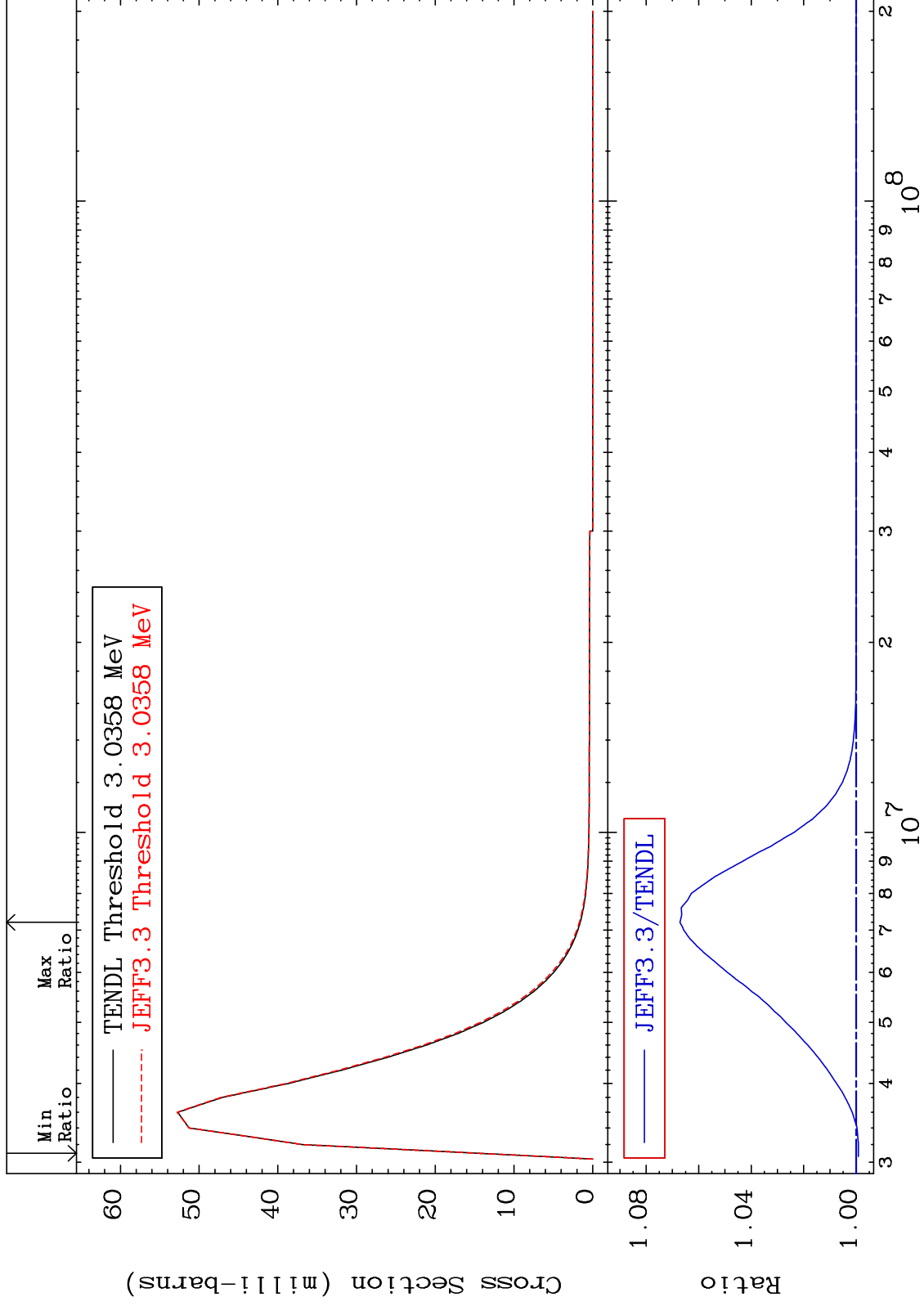
Incident Energy (eV)

34-Se-80

MAT 3443

MT= 72 (n,n') Level
Cross Section

34-Se-80
-0.083 To 6.710 %



40

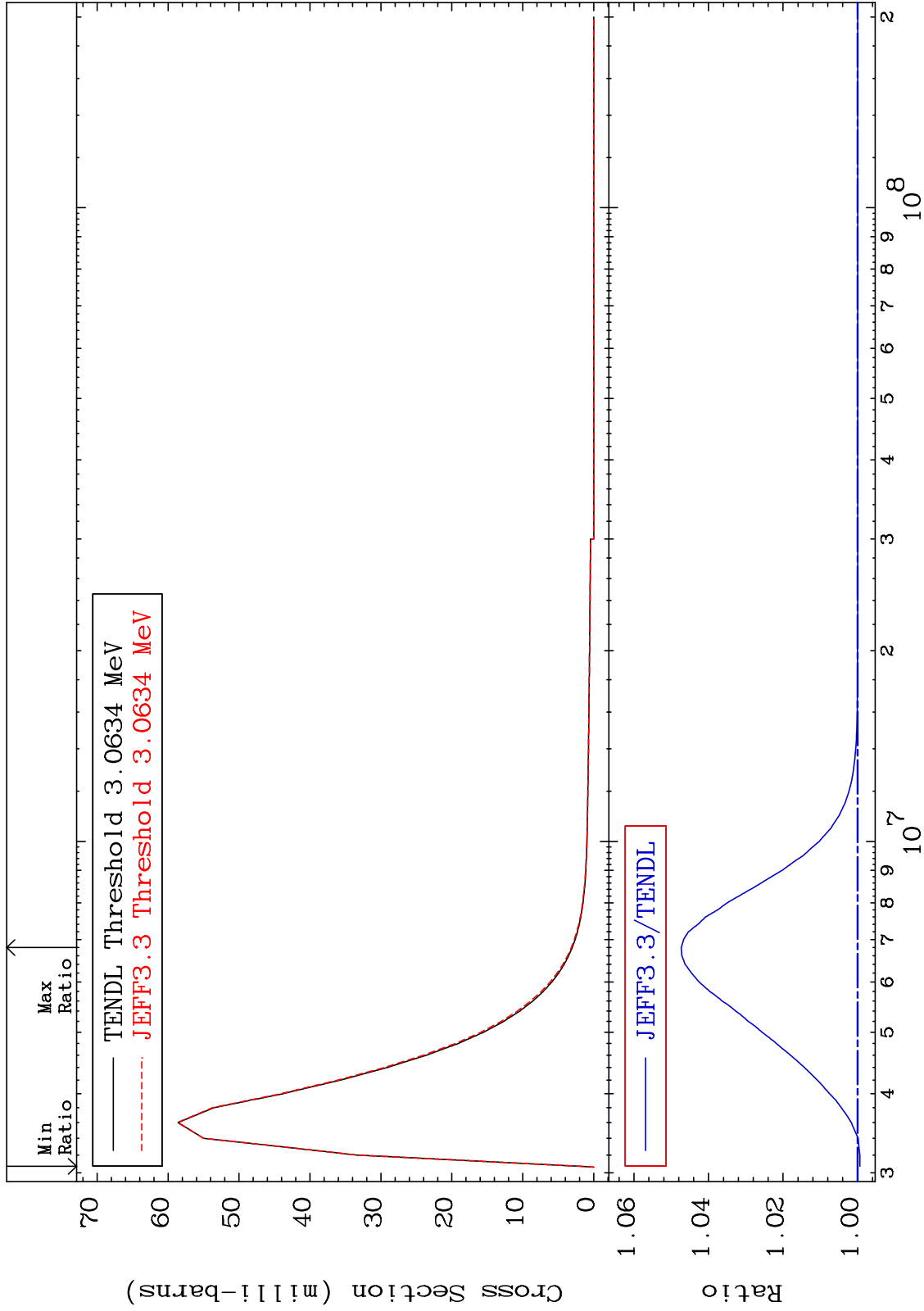
Incident Energy (eV)

34-Se-80

MAT 3443

MT= 73 (n,n') Level
Cross Section

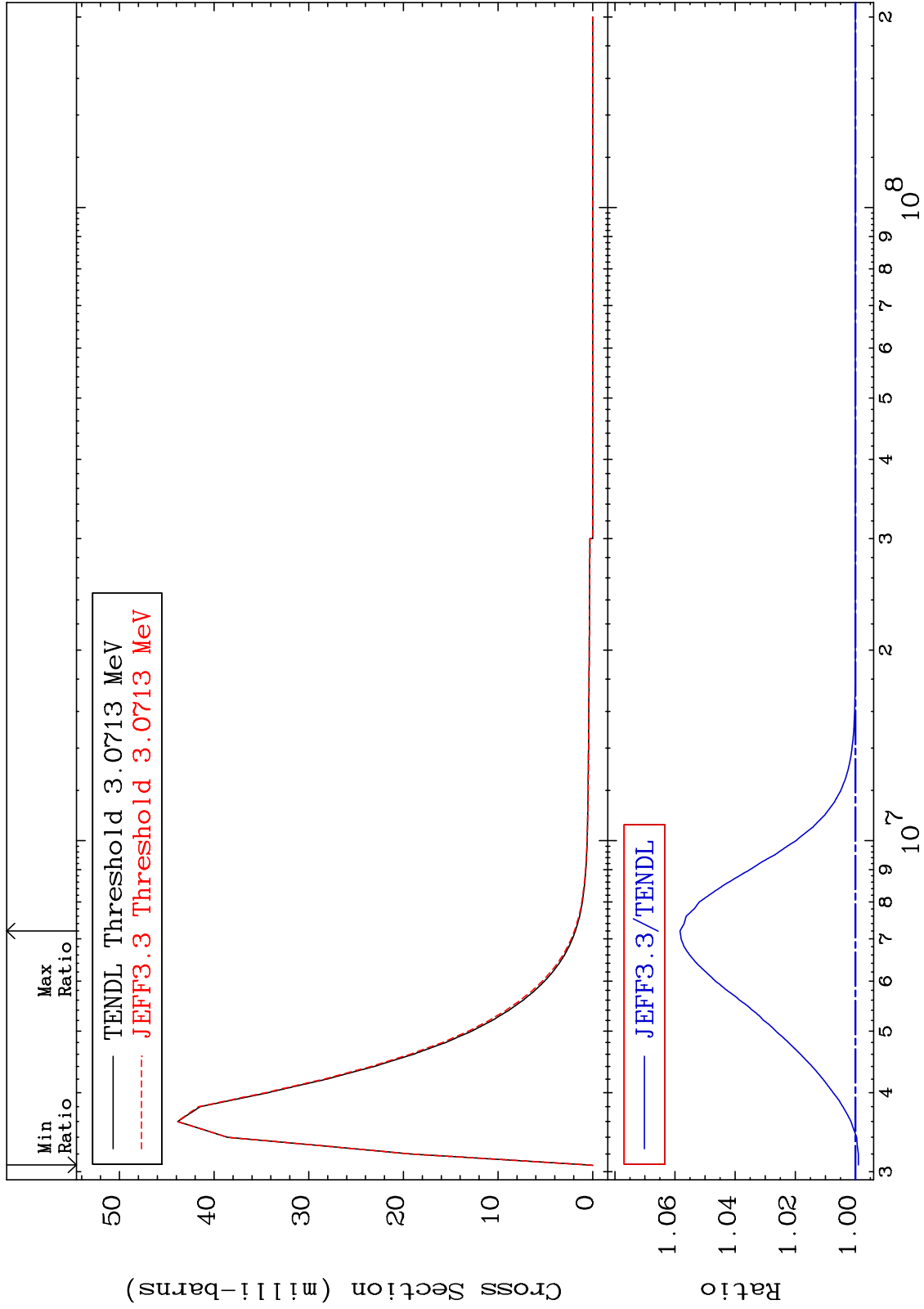
34-Se-80
-0.062 To 4.733 %



MAT 3443

MT= 74 (n,n') Level
Cross Section

34-Se-80
-0.100 To 5.833 %



42

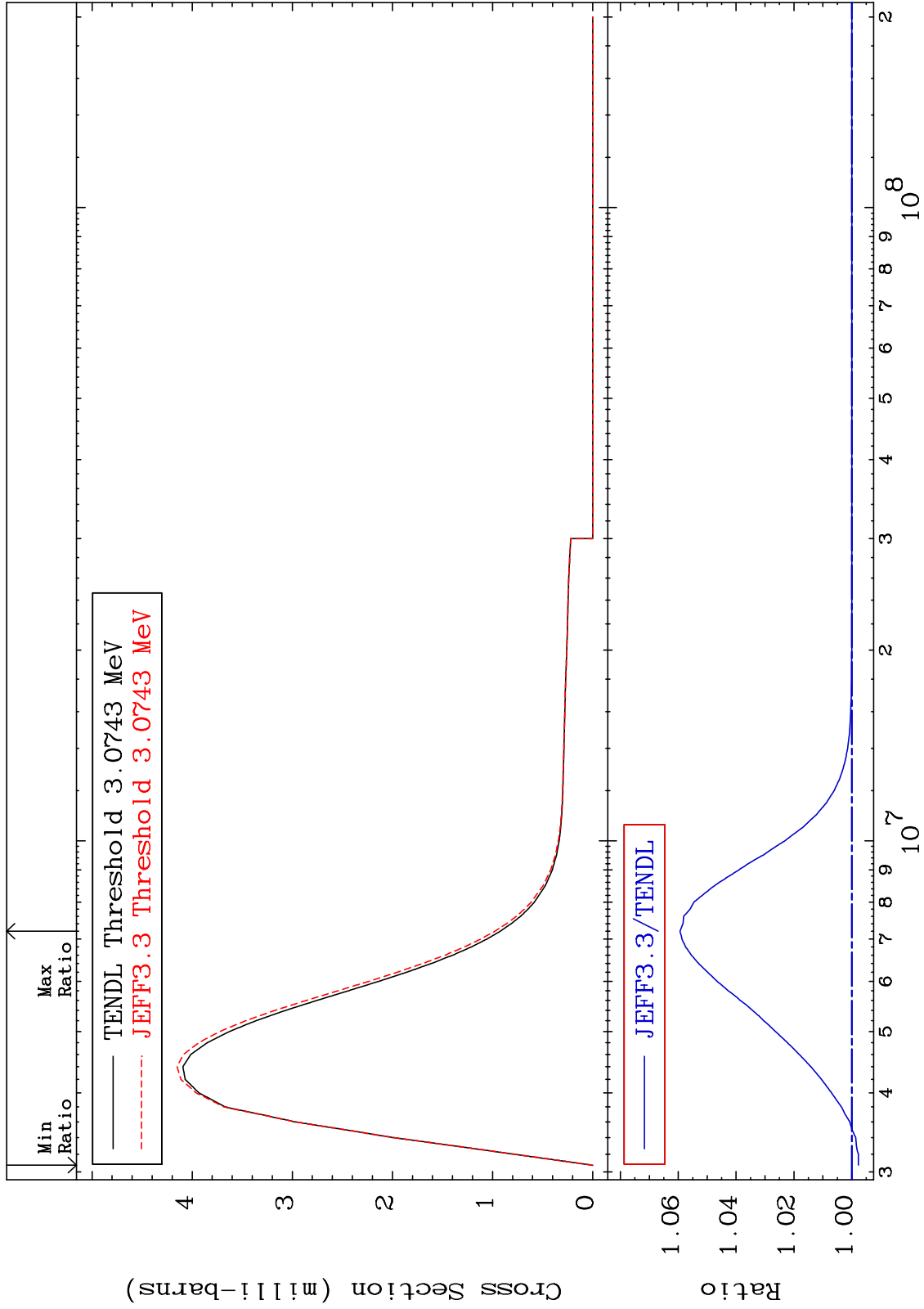
Incident Energy (eV)

34-Se-80

MAT 3443

MT= 75 (n,n') Level
Cross Section

34-Se-80
-0.229 To 5.939 %



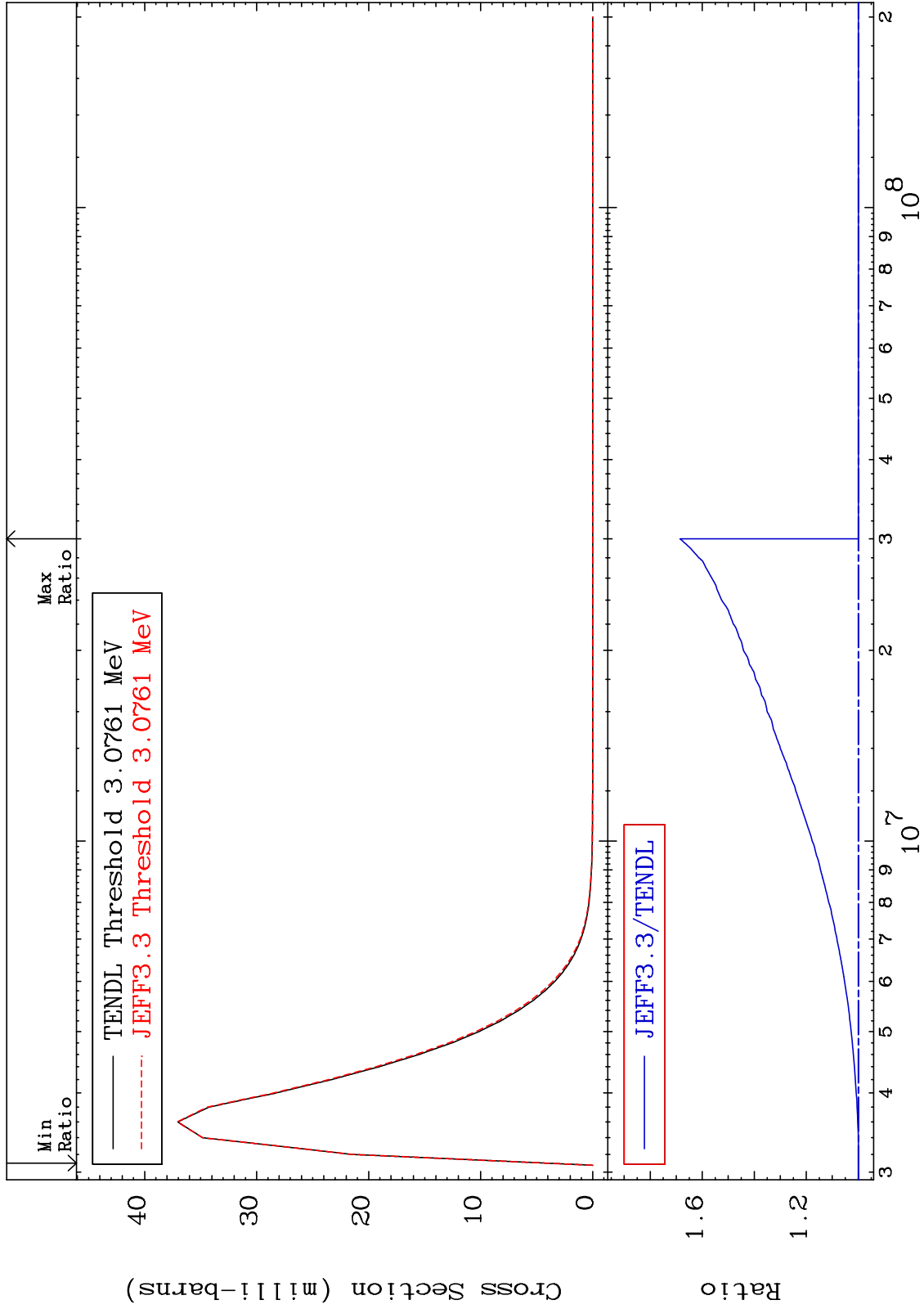
43

34-Se-80

MAT 3443

MT= 76 (n, n') Level
Cross Section

34-Se-80
-0.047 To 68.54 %



44

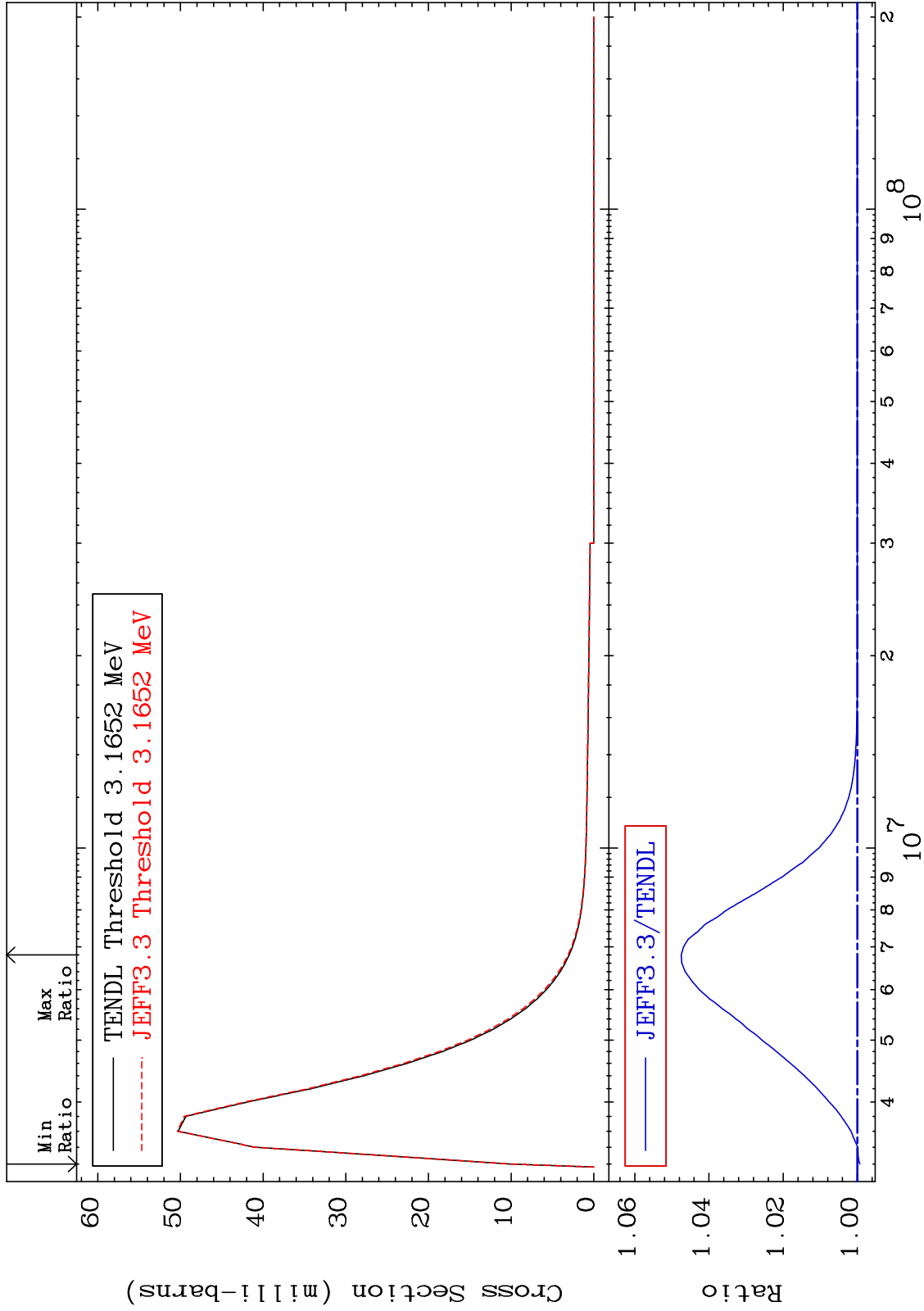
Incident Energy (eV)

34-Se-80

MAT 3443

MT= 77 (n,n') Level
Cross Section

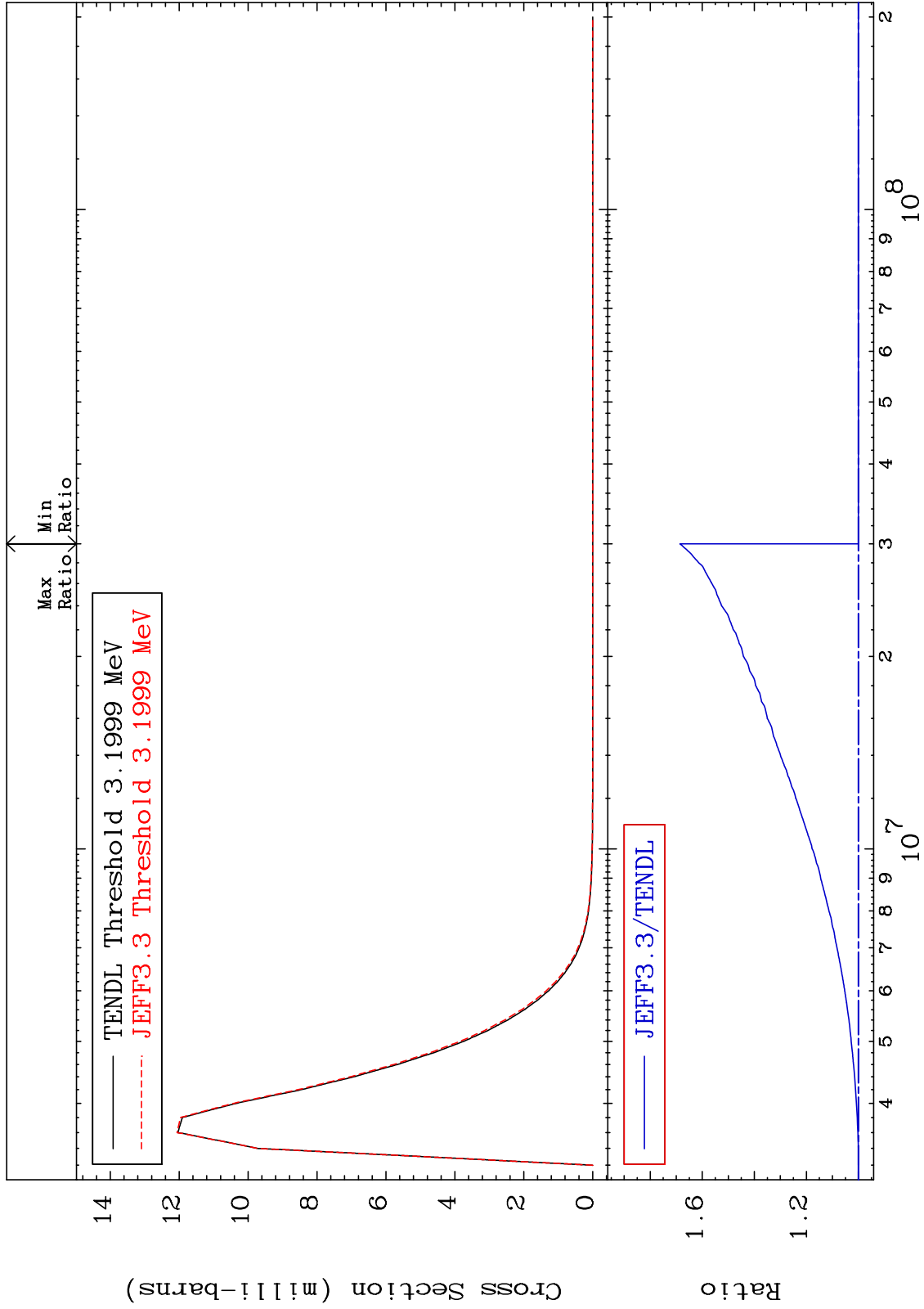
34-Se-80
-0.070 To 4.748 %



MAT 3443

MT= 78 (n, n') Level
Cross Section

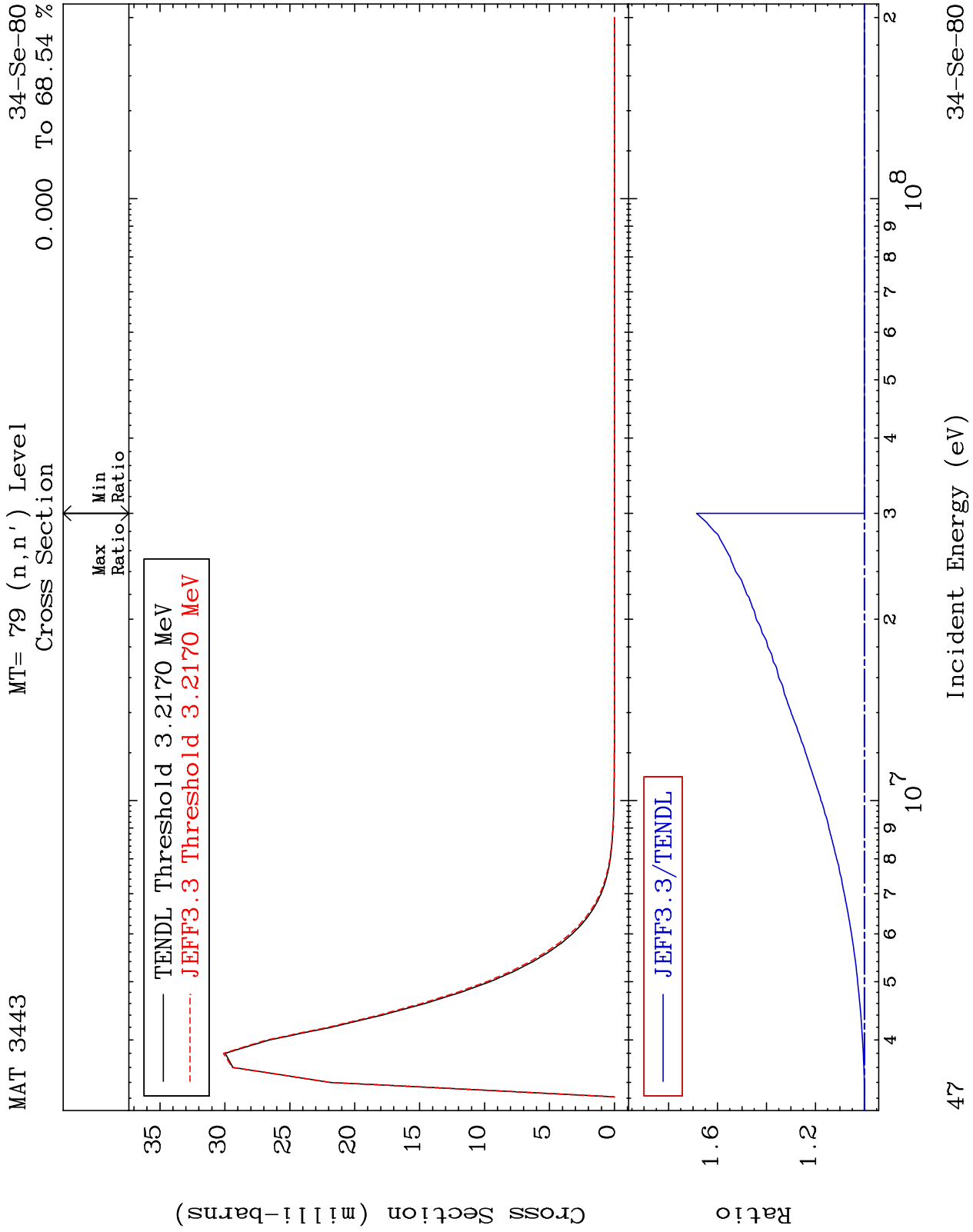
34-Se-80
0.000 To 68.54 %



46

Incident Energy (eV)

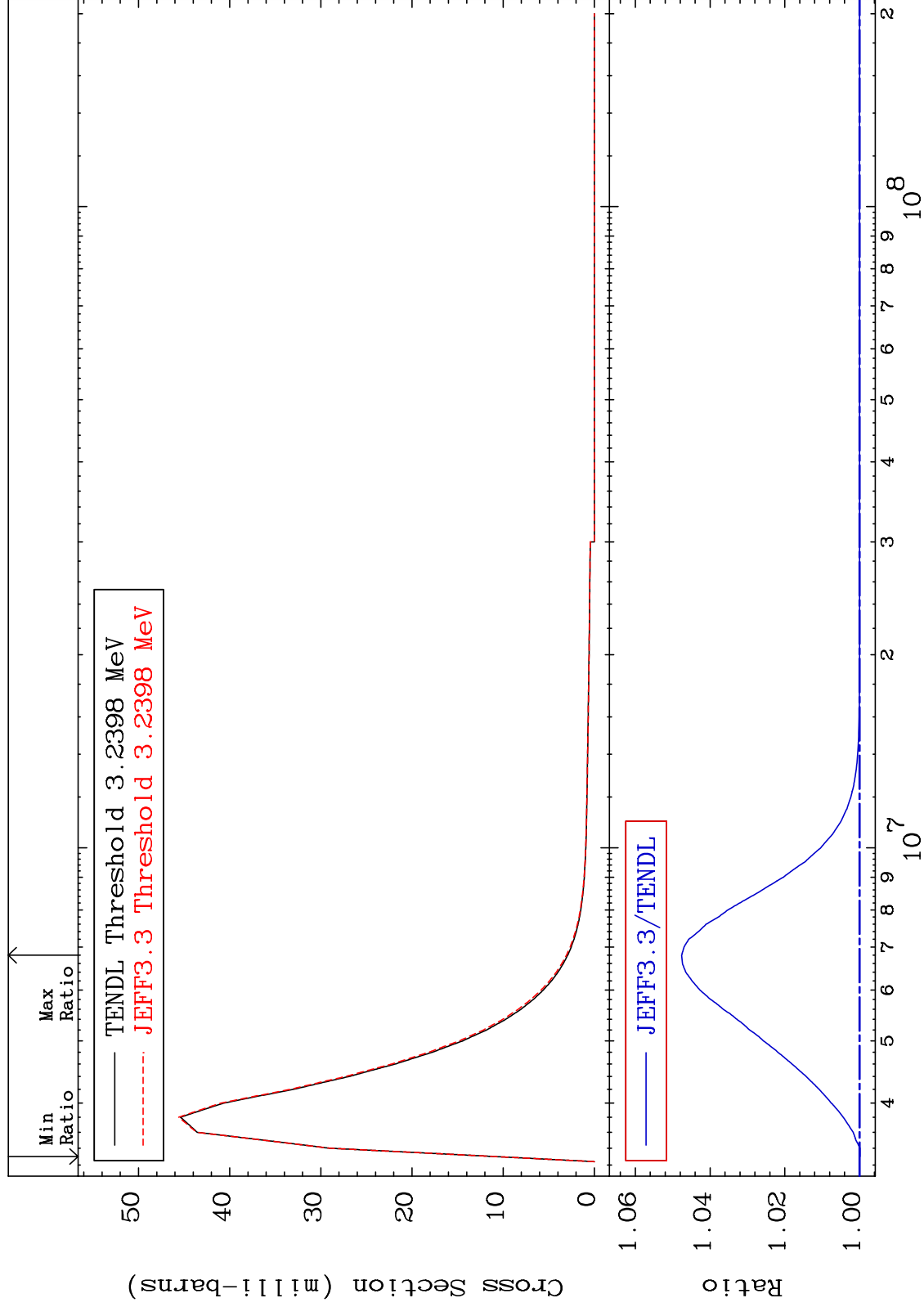
34-Se-80



MAT 3443

MT= 80 (n,n') Level
Cross Section

34-Se-80
-0.013 To 4.761 %



48

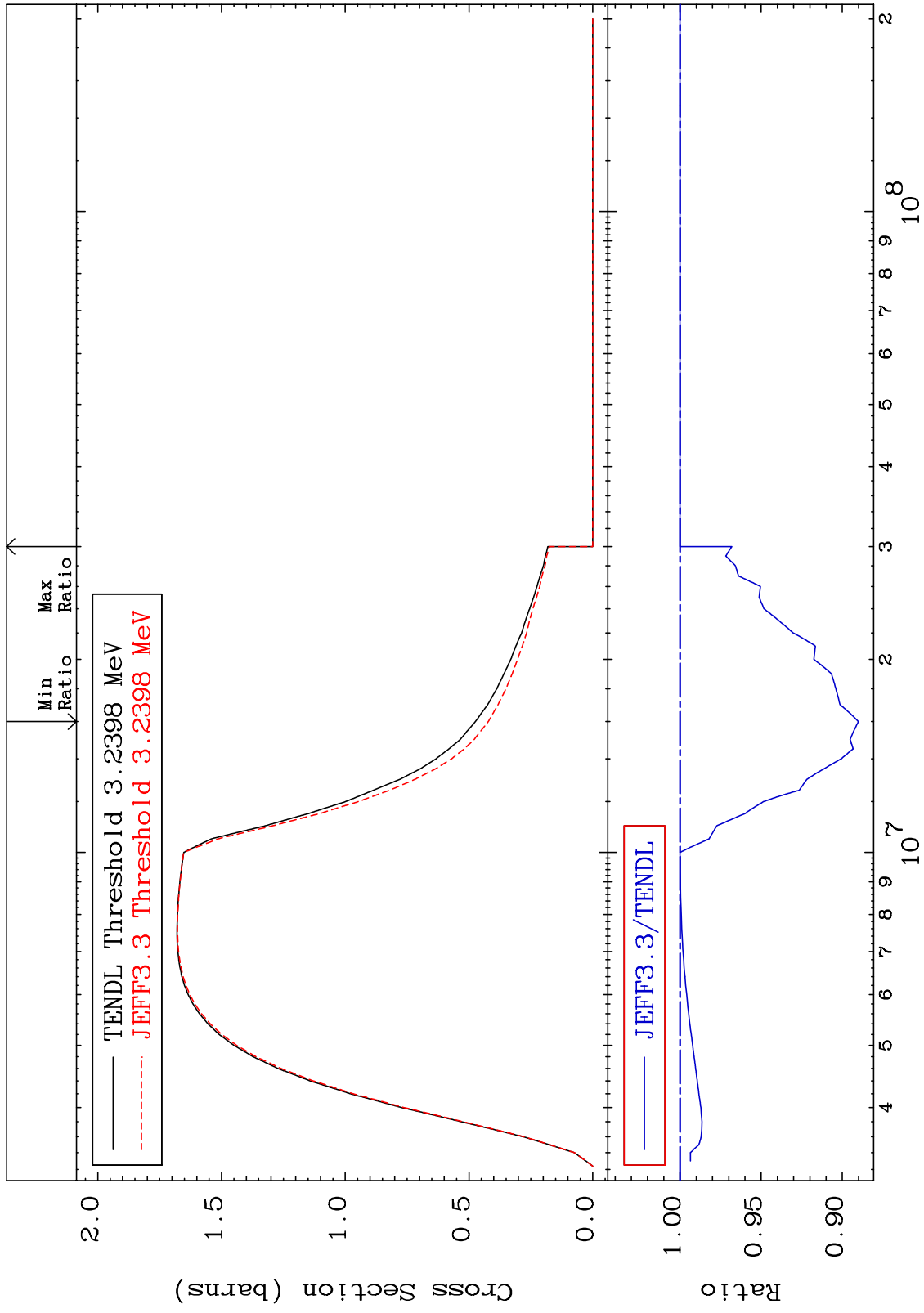
Incident Energy (eV)

34-Se-80

MAT 3443

(n, n') Continuum
Cross Section

34-Se-80
-10.99 To 0.000 %



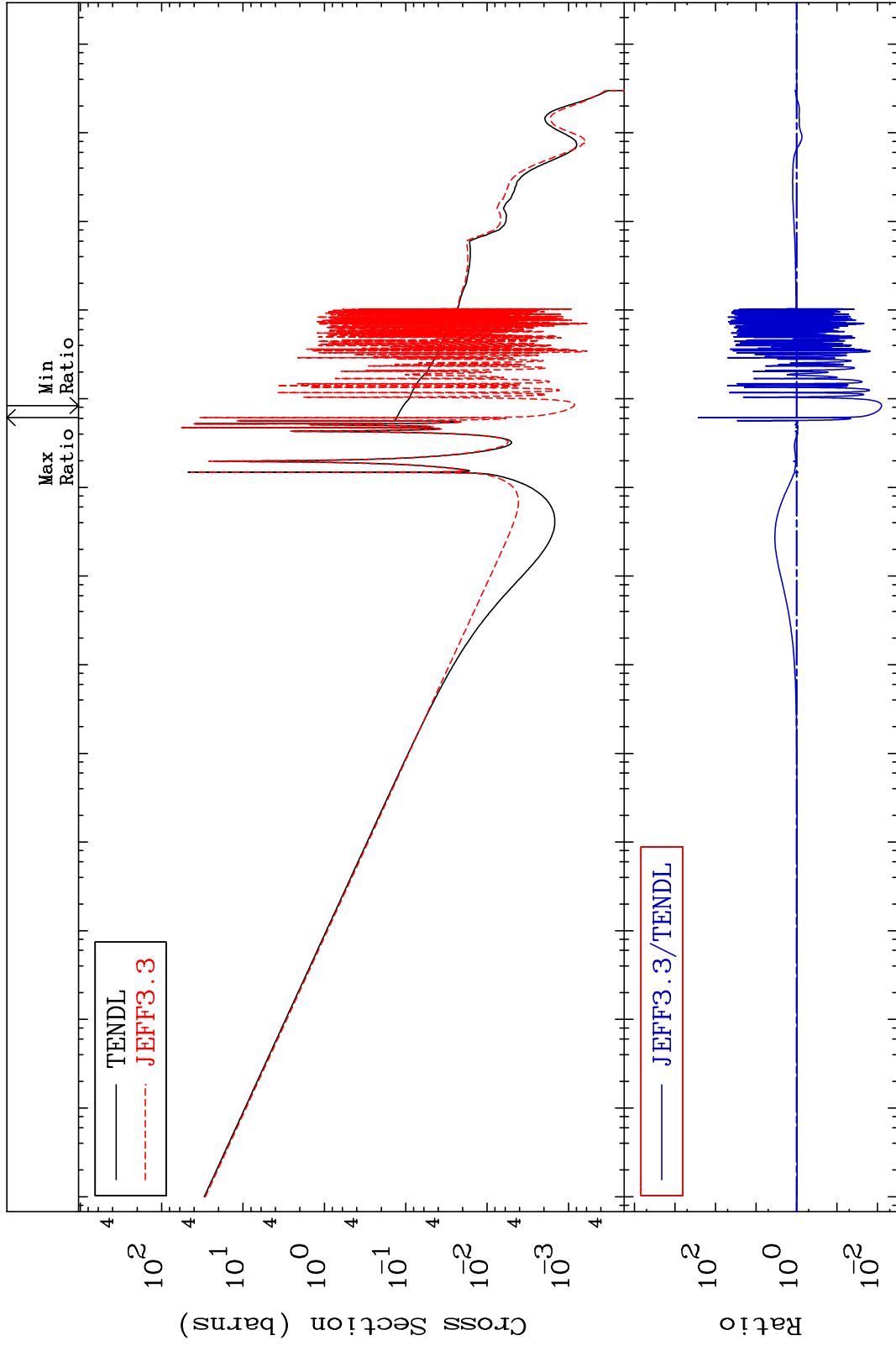
MAT 3443

(n, γ)

34-Se-80

Cross Section

-99.20 To 9999. %

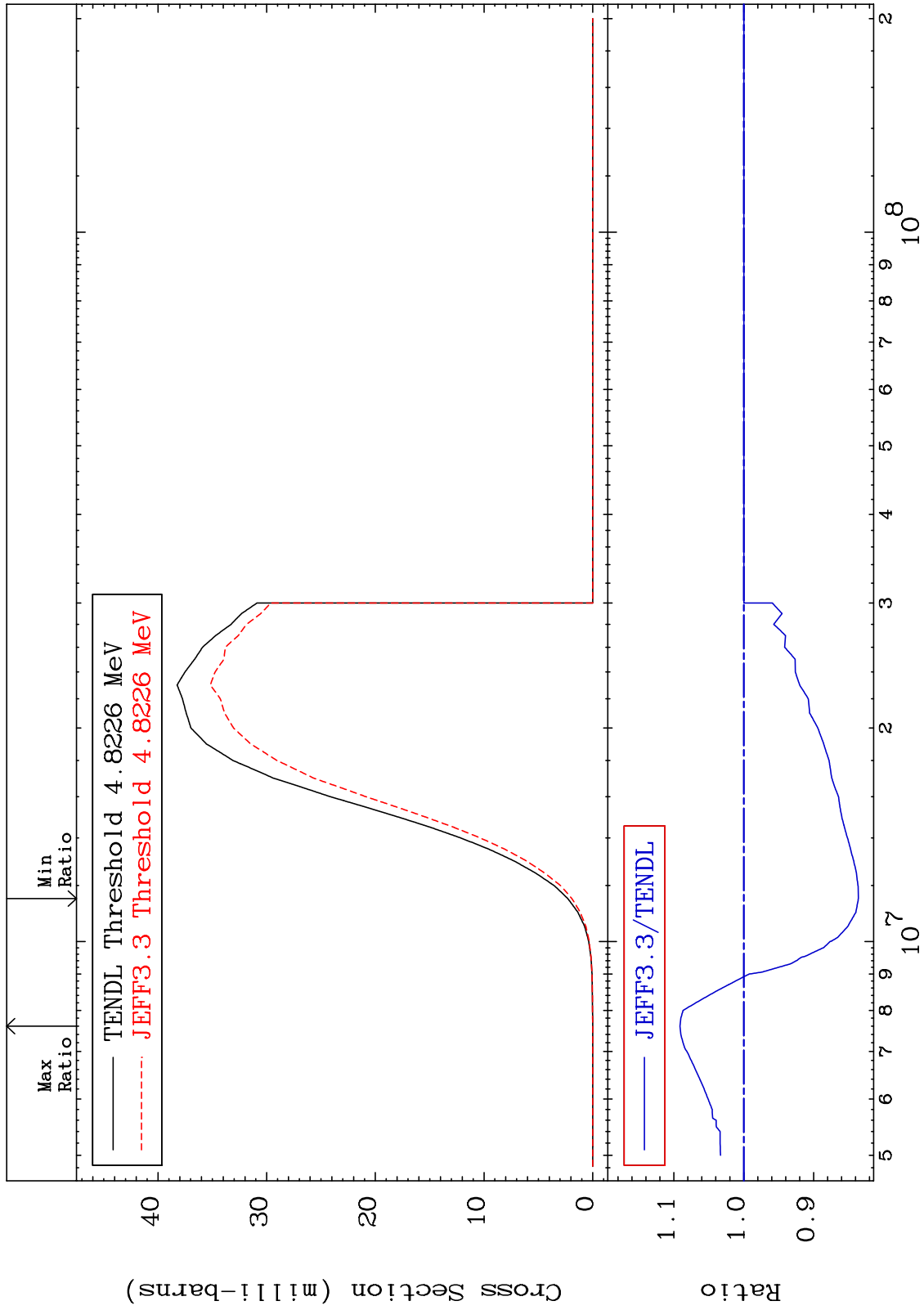


50

Incident Energy (eV)

34-Se-80

MAT 3443 (n,p) Cross Section 34-Se-80 -16.41 To 9.125 %



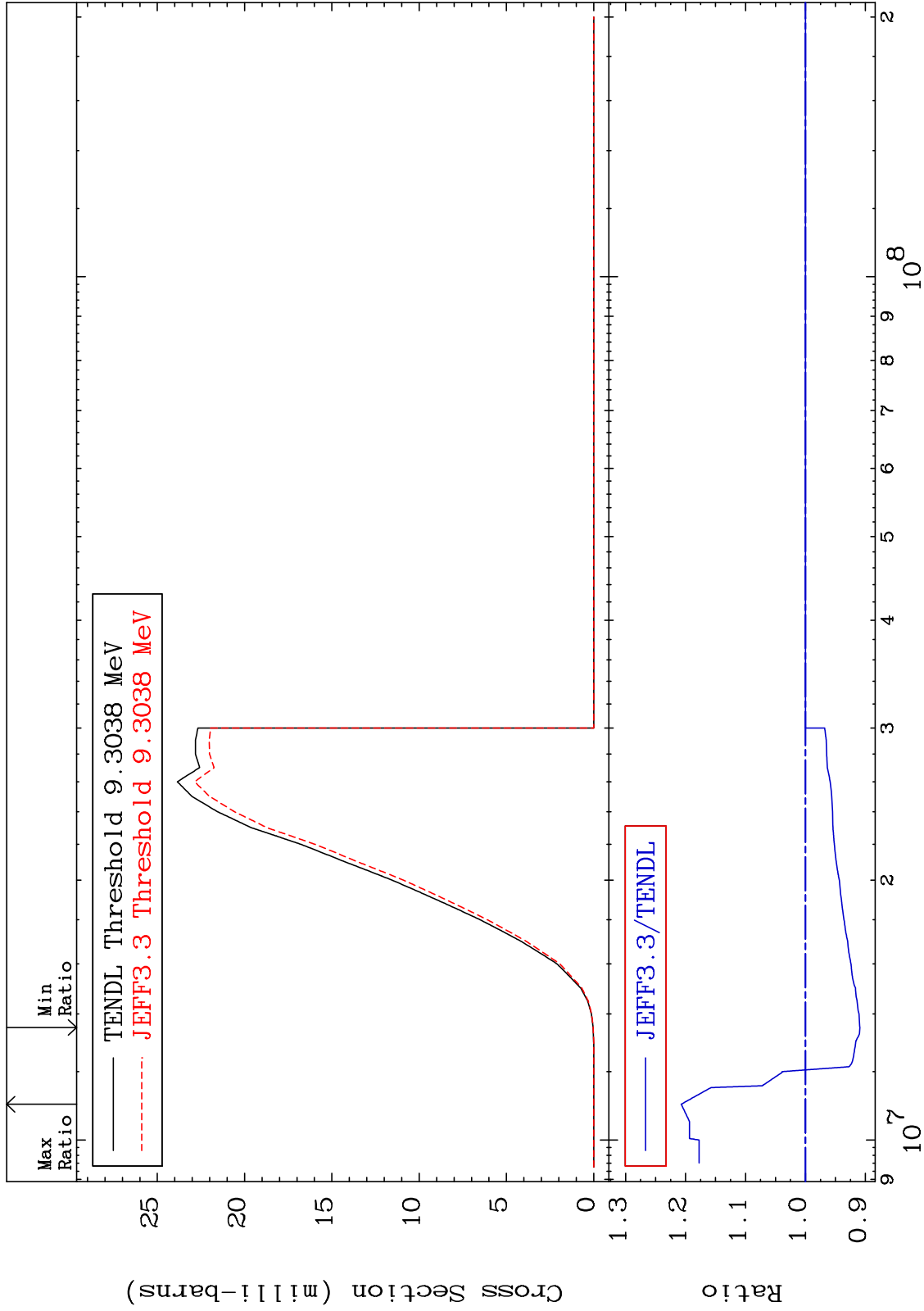
MAT 3443

(n,d)

³⁴Se-80

Cross Section

-9.085 To 20.73 %



52

Incident Energy (eV)

³⁴Se-80

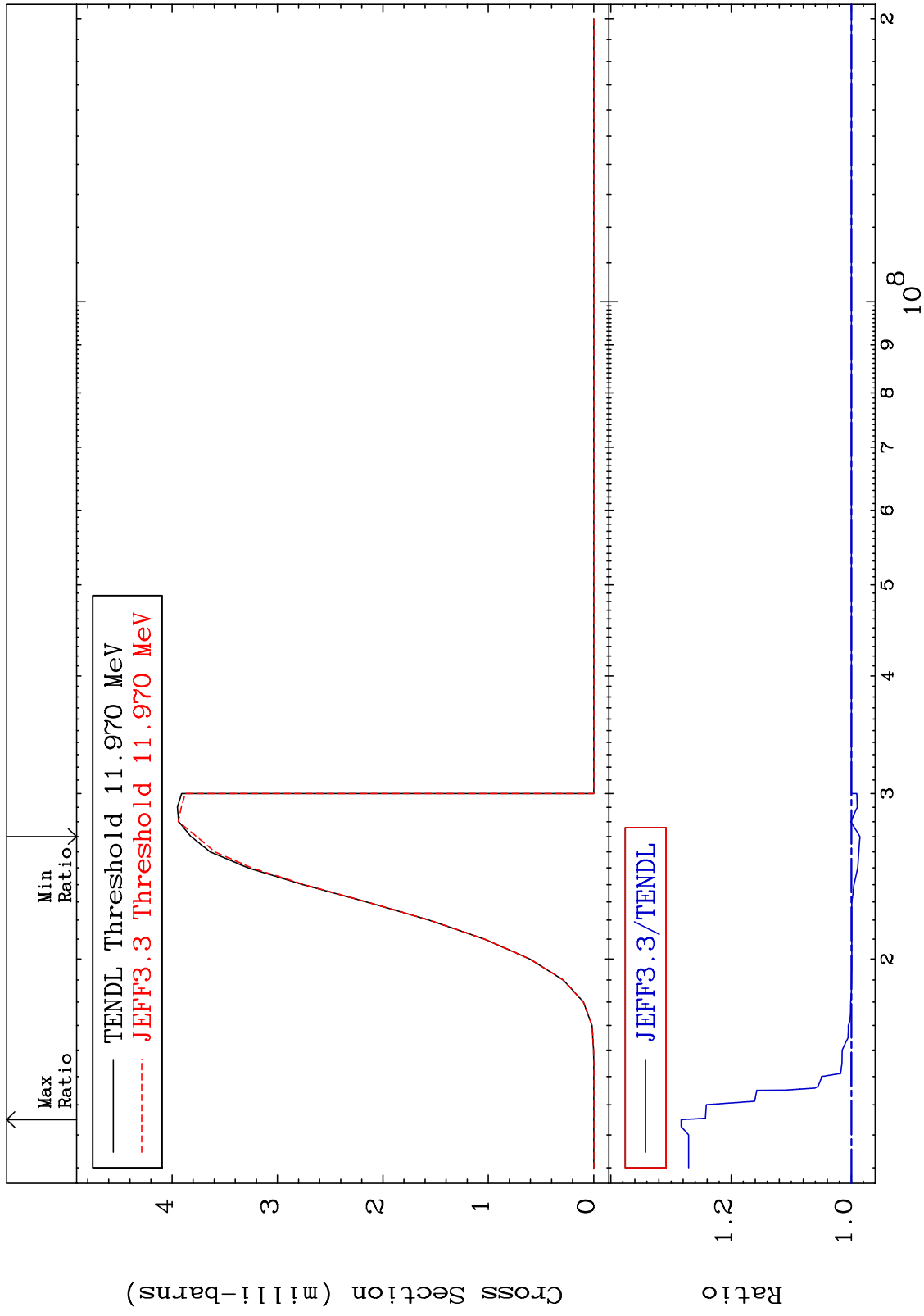
MAT 3443

(n, t)

34-Se-80

Cross Section

-1.416 To 28.30 %



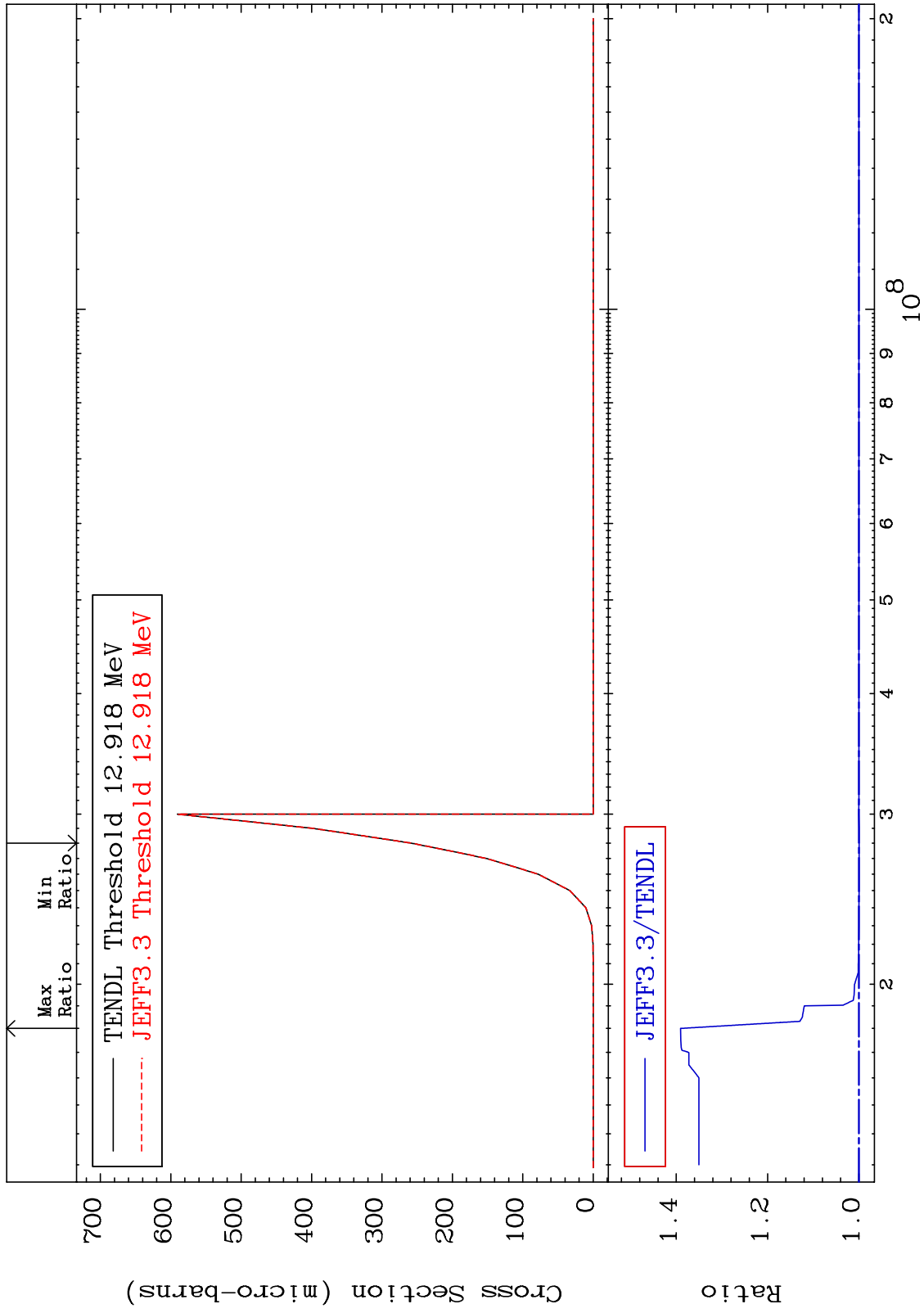
MAT 3443

(n, He-3)

34-Se-80

Cross Section

-0.050 To 39.05 %



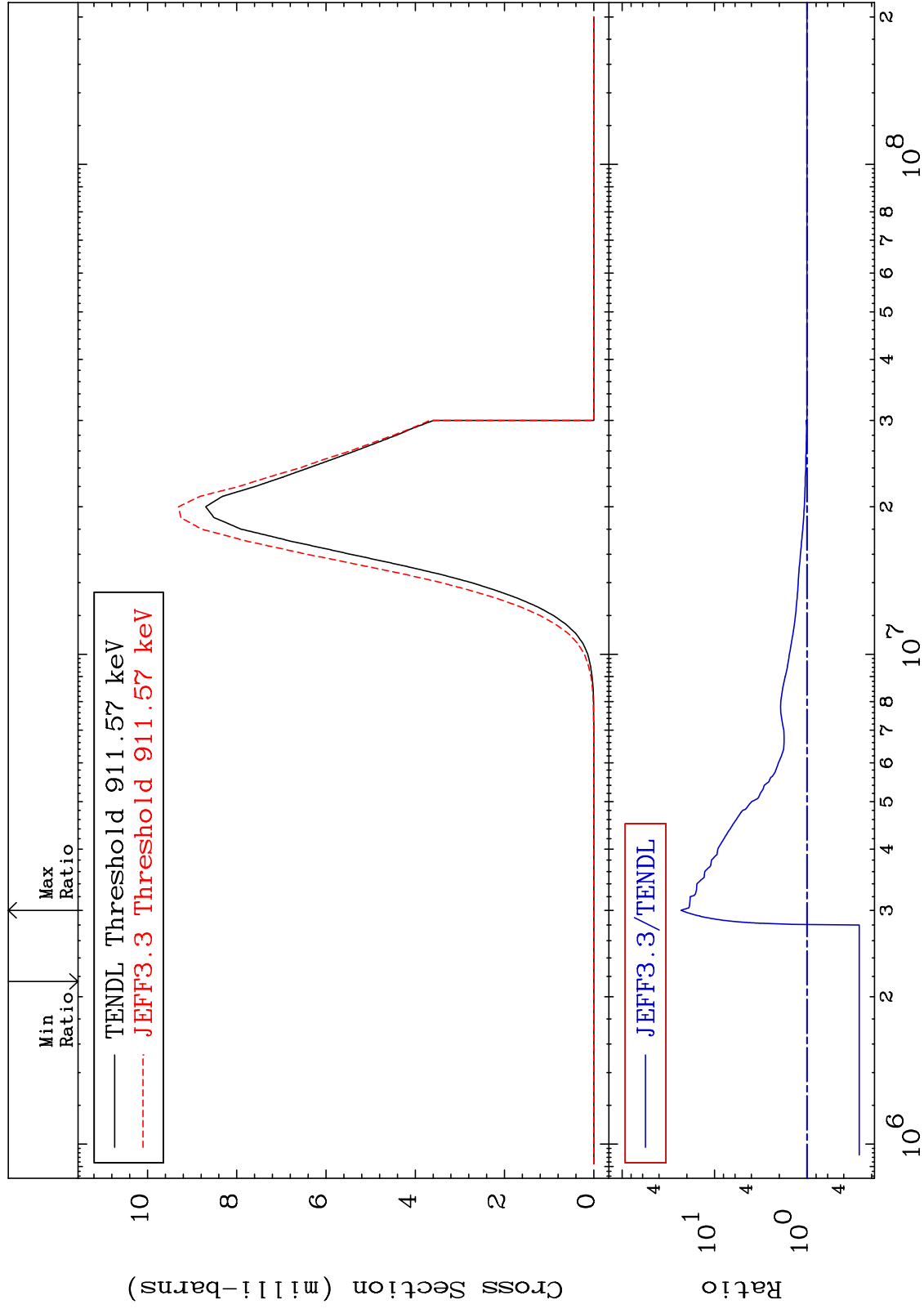
MAT 3443

(n, α)

34-Se-80

Cross Section

-72.79 To 2206. %



55

Incident Energy (eV)

34-Se-80

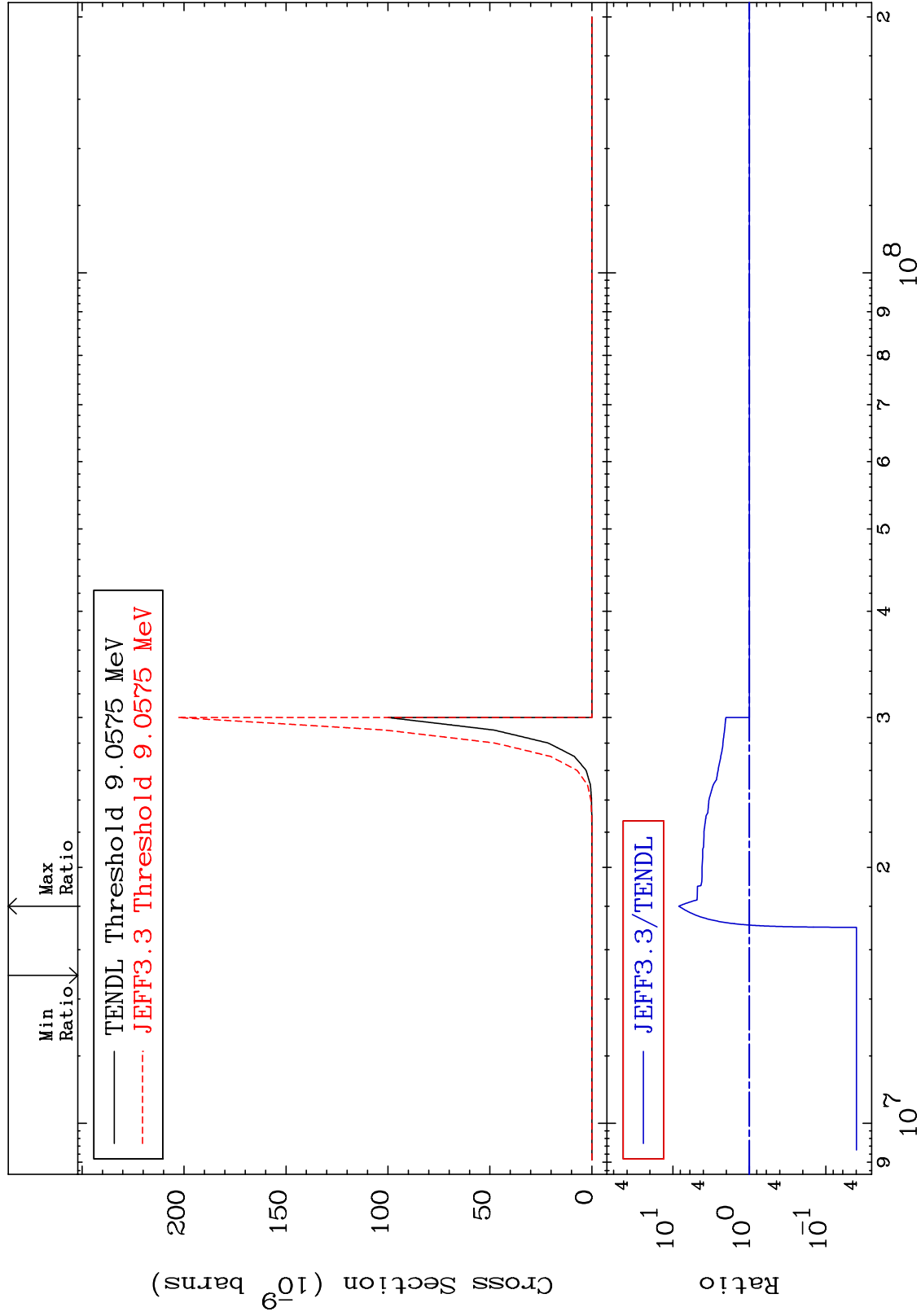
MAT 3443

(n, 2α)

34-Se-80

Cross Section

-96.04 To 738.1 %



56

Incident Energy (eV)

34-Se-80

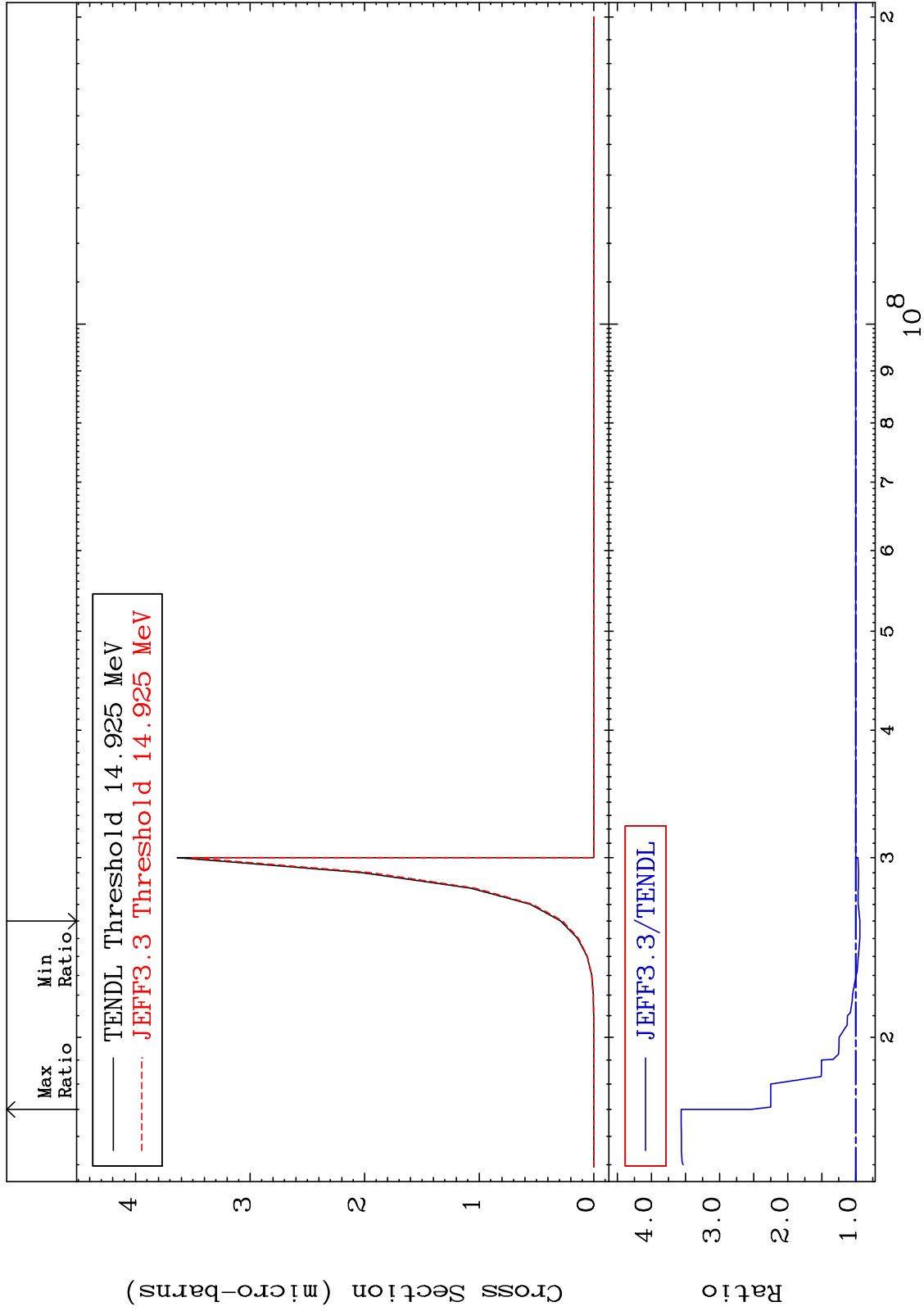
MAT 3443

(n,2p)

³⁴Se-80

Cross Section

-6.042 To 256.3 %



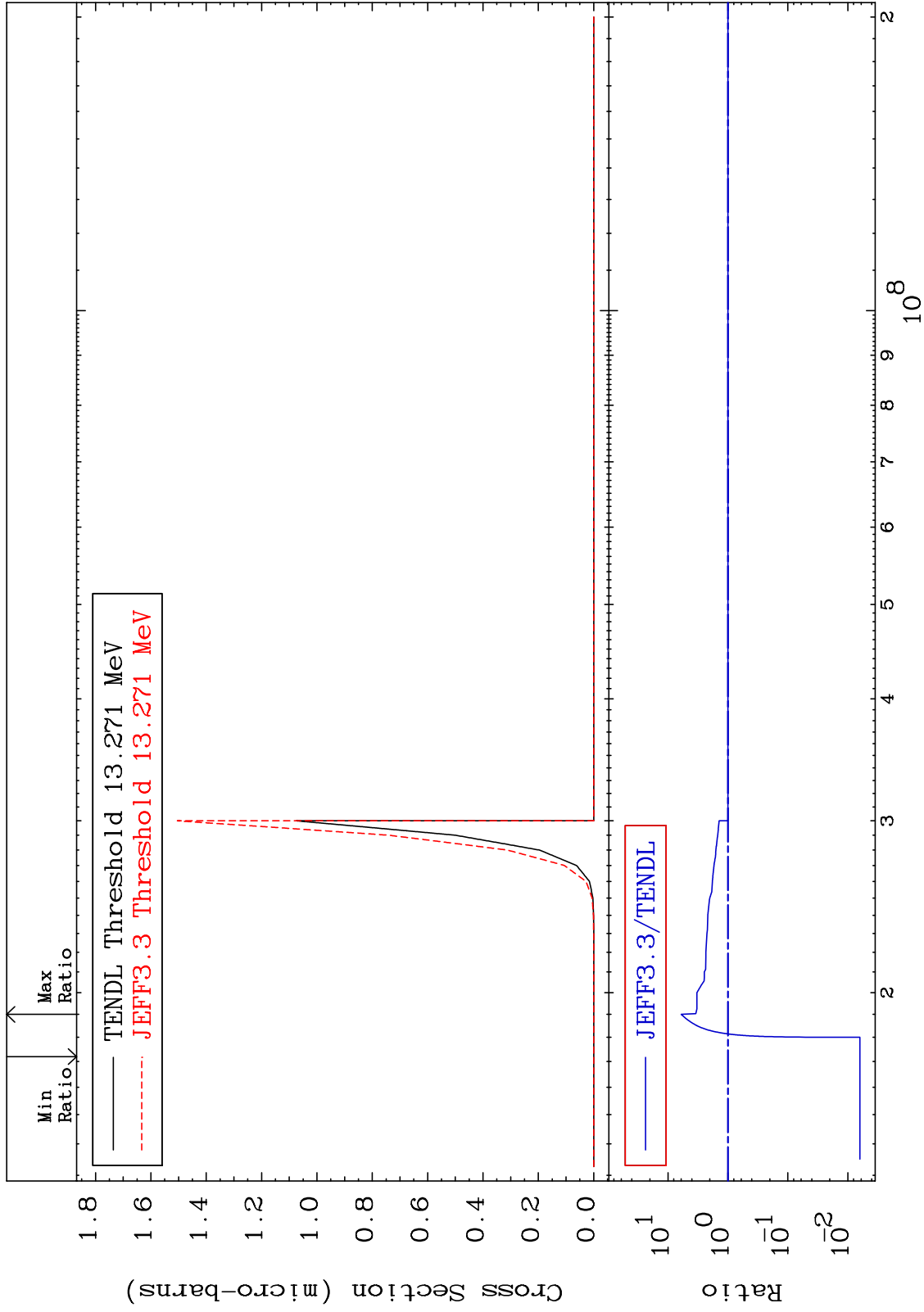
MAT 3443

(n,p) α

34-Se-80

Cross Section

-99.37 To 500.7 %



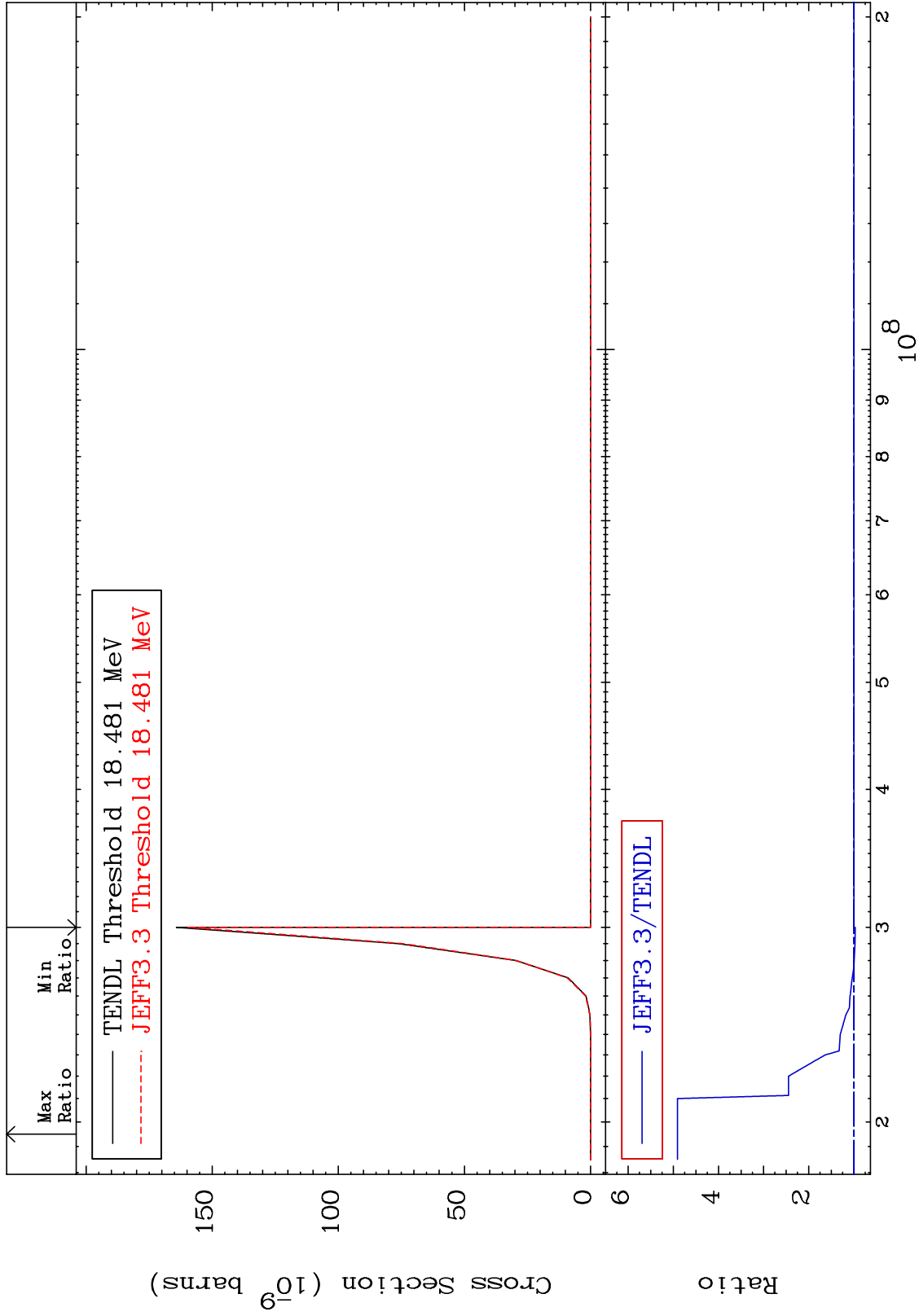
MAT 3443

(n,p) d

³⁴Se-80

Cross Section

-2.882 To 390.6 %

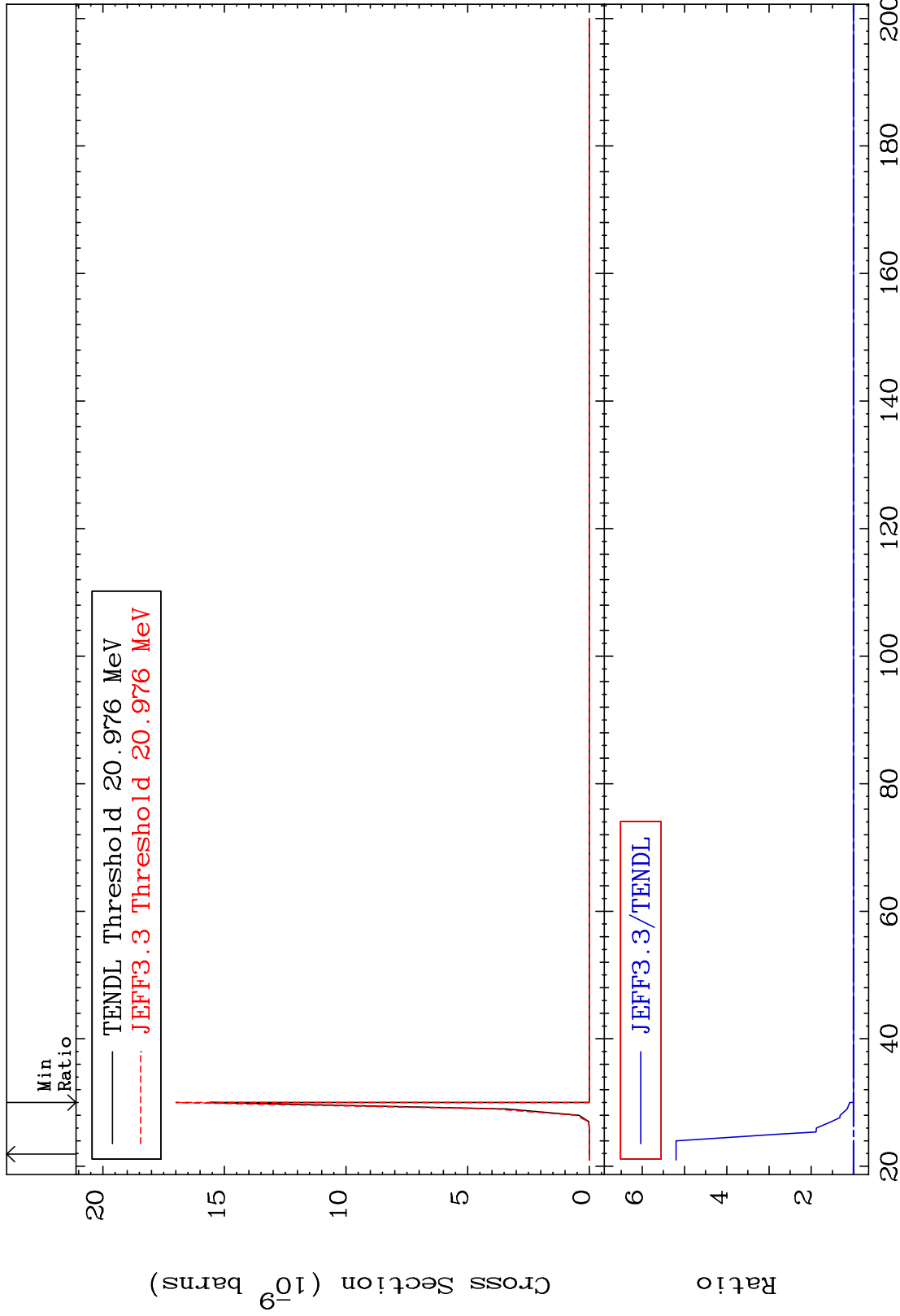


59

Incident Energy (eV)

³⁴Se-80

MAT 3443 (n,p) t 34-Se-80
Cross Section 0.000 To 419.8 %



34-Se-80 Incident Energy (MeV) 34-Se-80

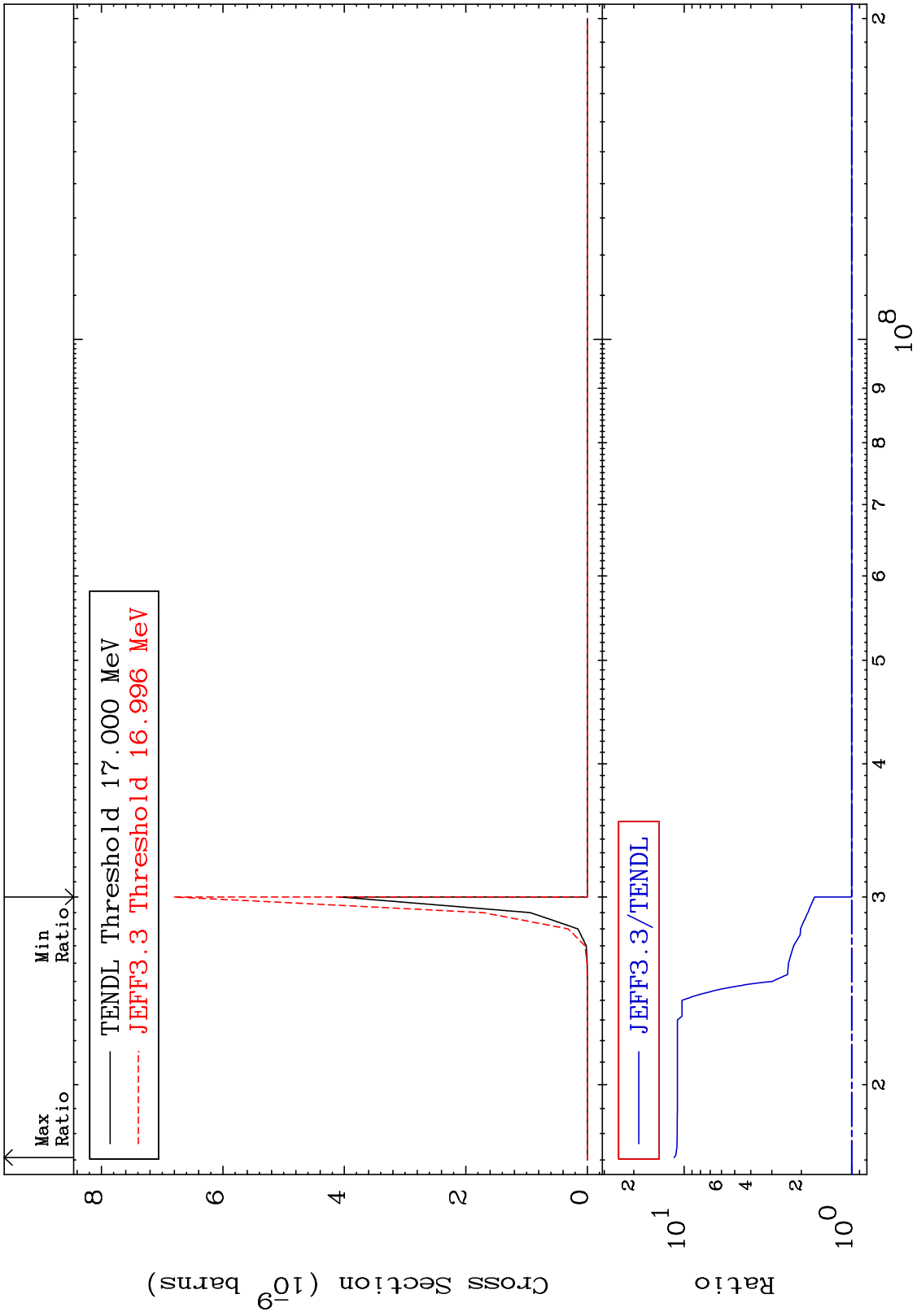
MAT 3443

(n,d) α

³⁴Se-80

Cross Section

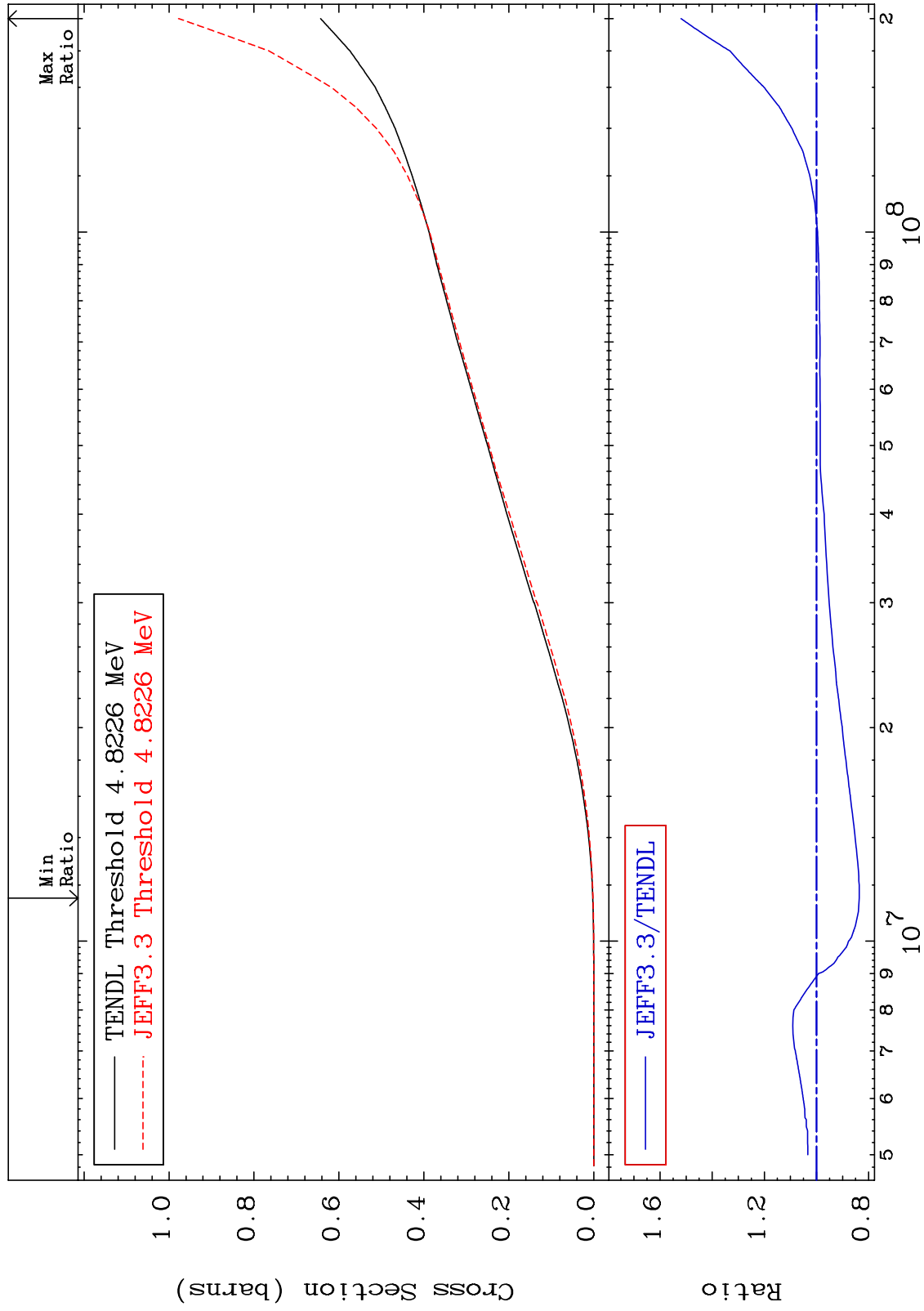
0.000 To 1047. %



MAT 3443

Hydrogen Production
Cross Section

34-Se-80
-16.41 To 51.94 %



62

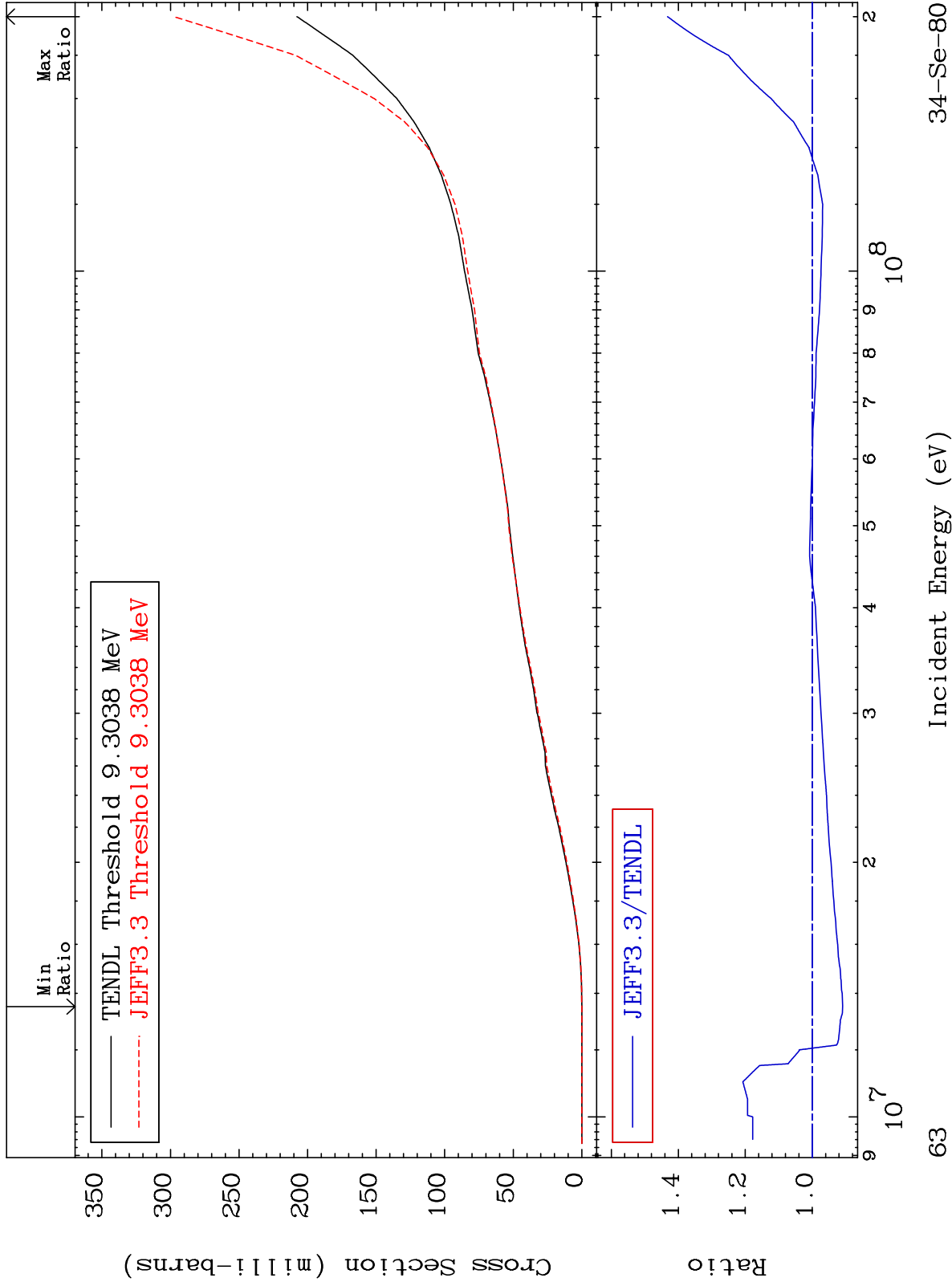
Incident Energy (eV)

34-Se-80

MAT 3443

Deuterium Production
Cross Section

³⁴Se-80
-9.085 To 43.21 %

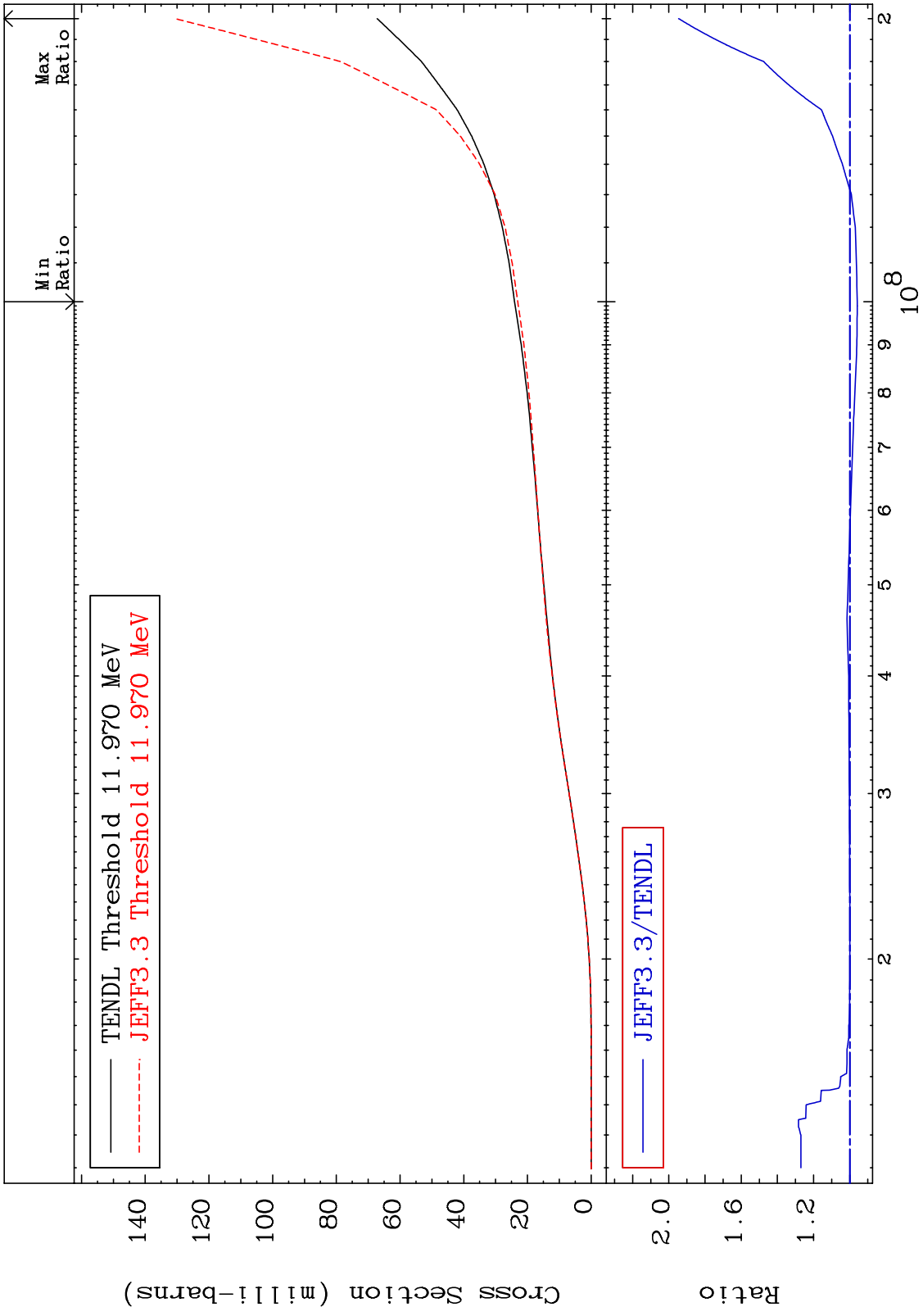


63

MAT 3443

Tritium Production
Cross Section

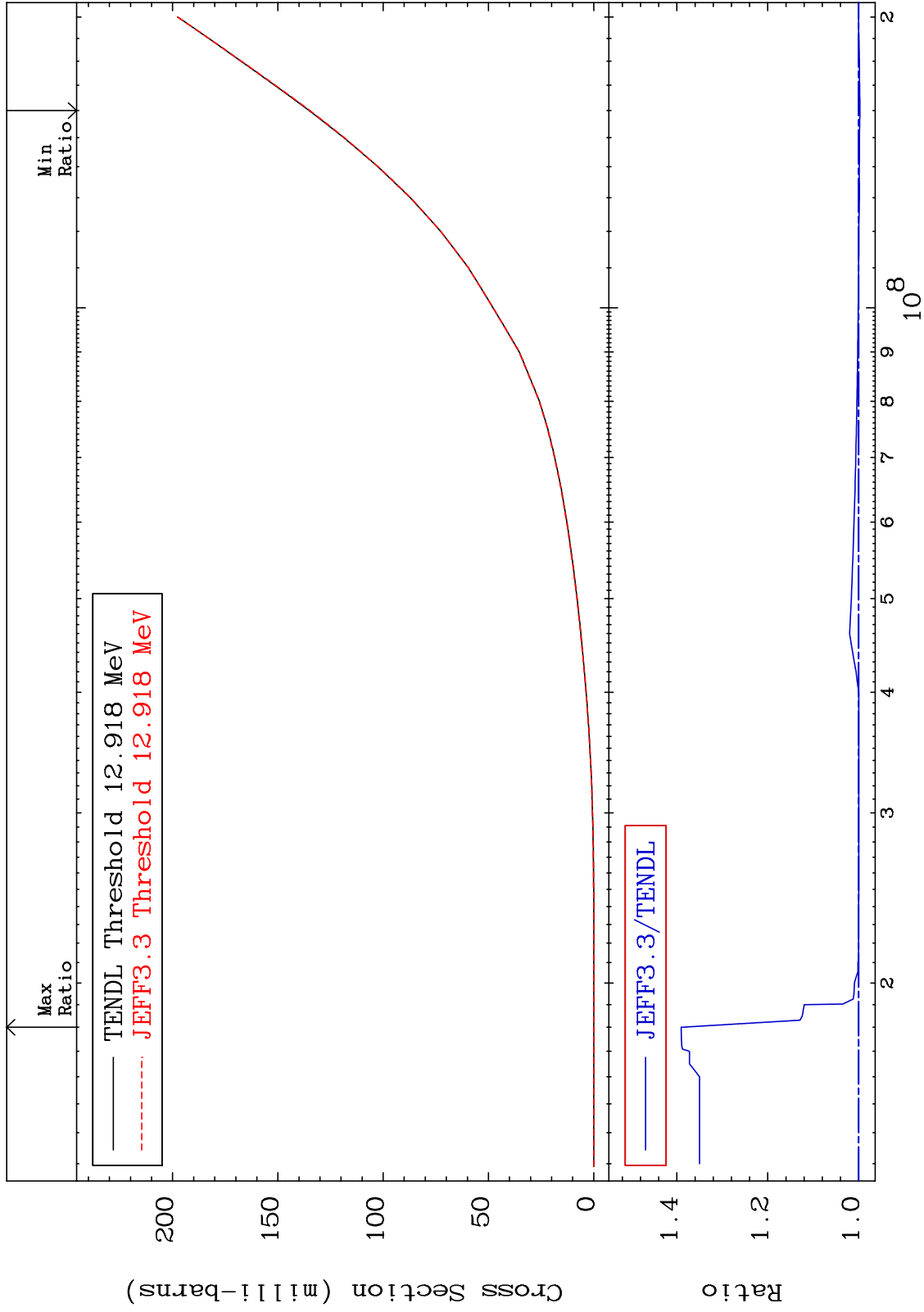
34-Se-80
-4.182 To 94.59 %



MAT 3443

He-3 Production
Cross Section

34-Se-80
-0.282 To 39.05 %



65

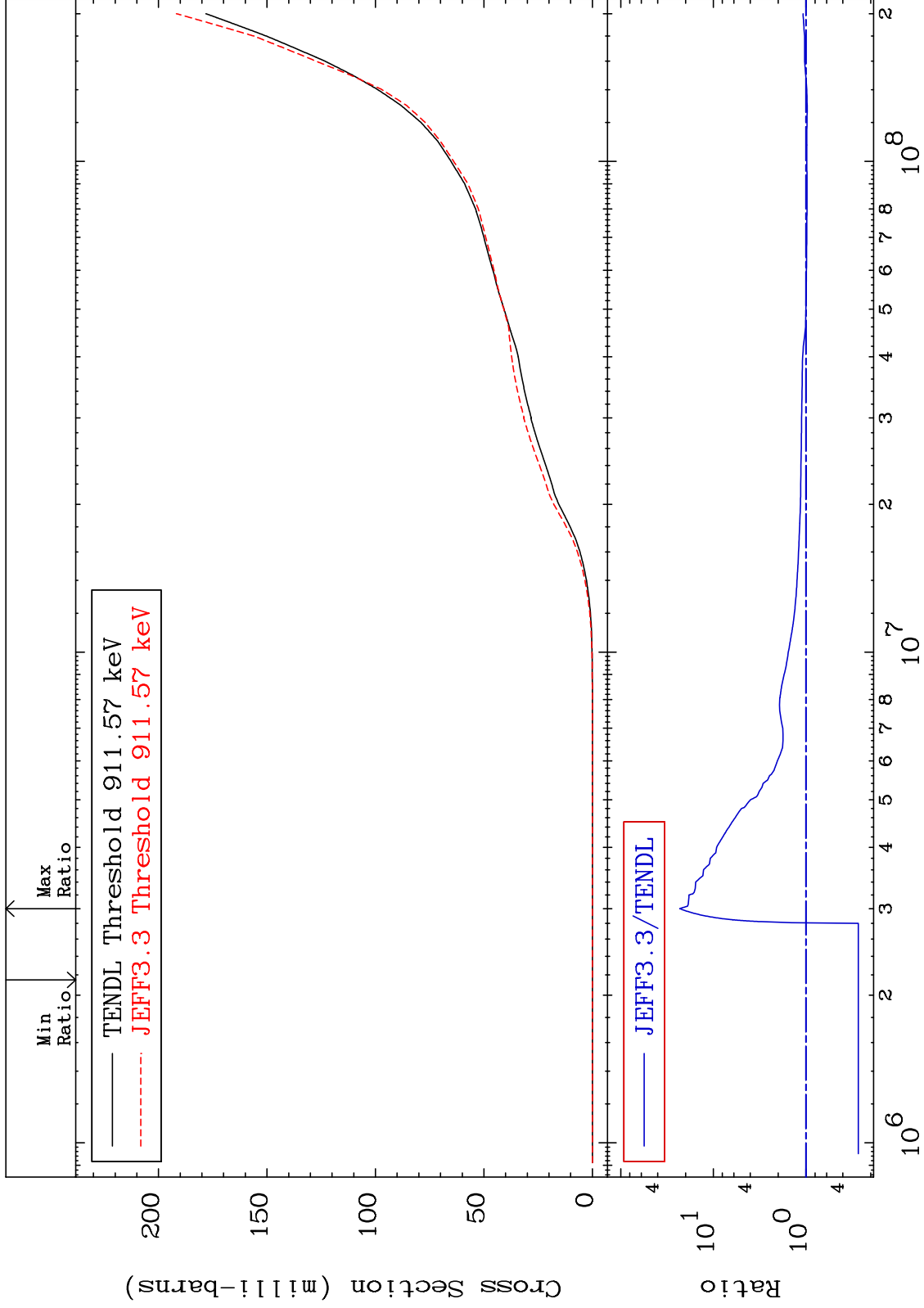
Incident Energy (eV)

34-Se-80

MAT 3443

He-4 Production
Cross Section

34-Se-80
-72.79 To 2206. %



66

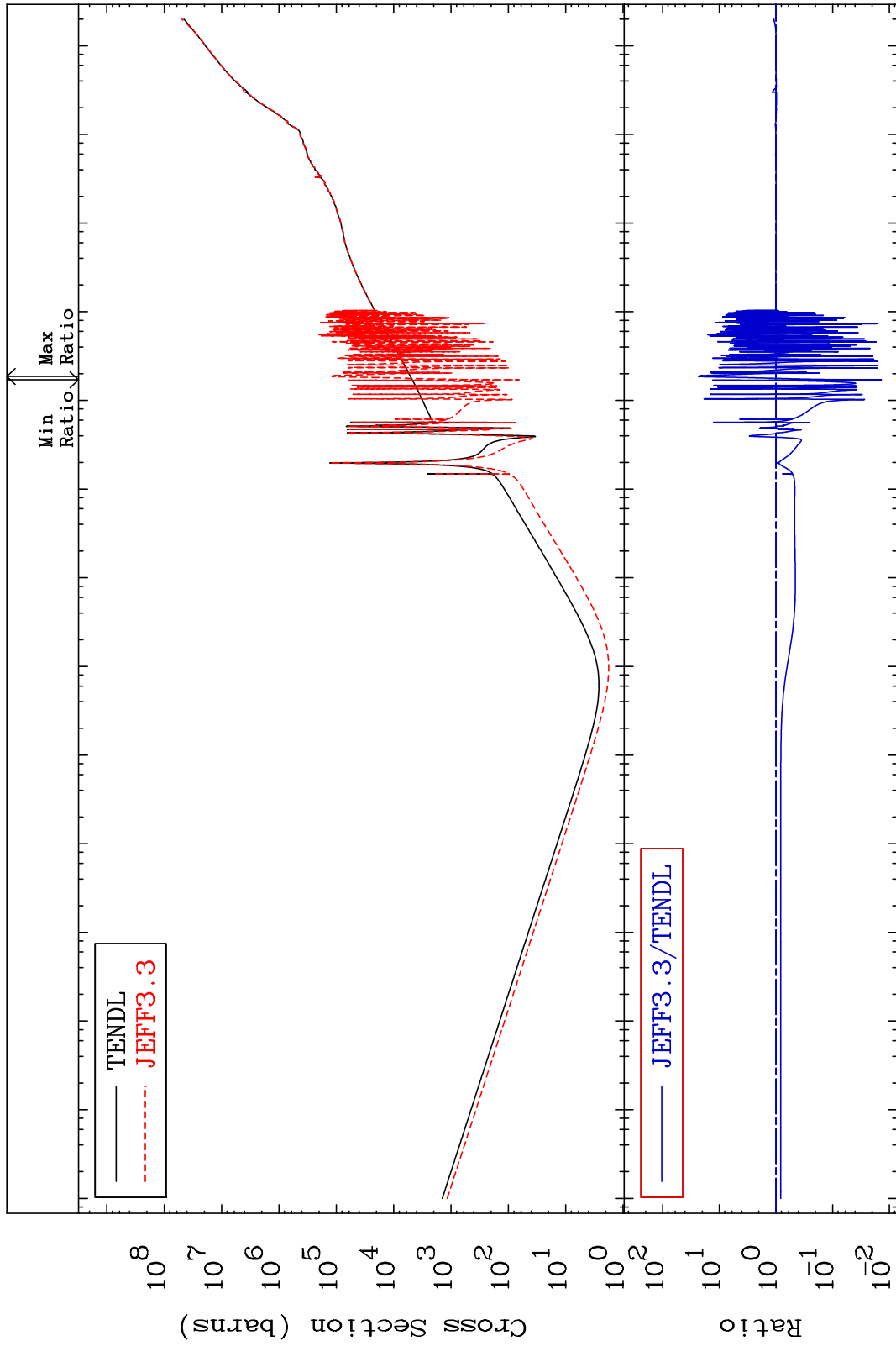
Incident Energy (eV)

34-Se-80

MAT 3443

Kerma total (eV-barns)
Cross Section

34-Se-80
-98.63 To 2239. %



67

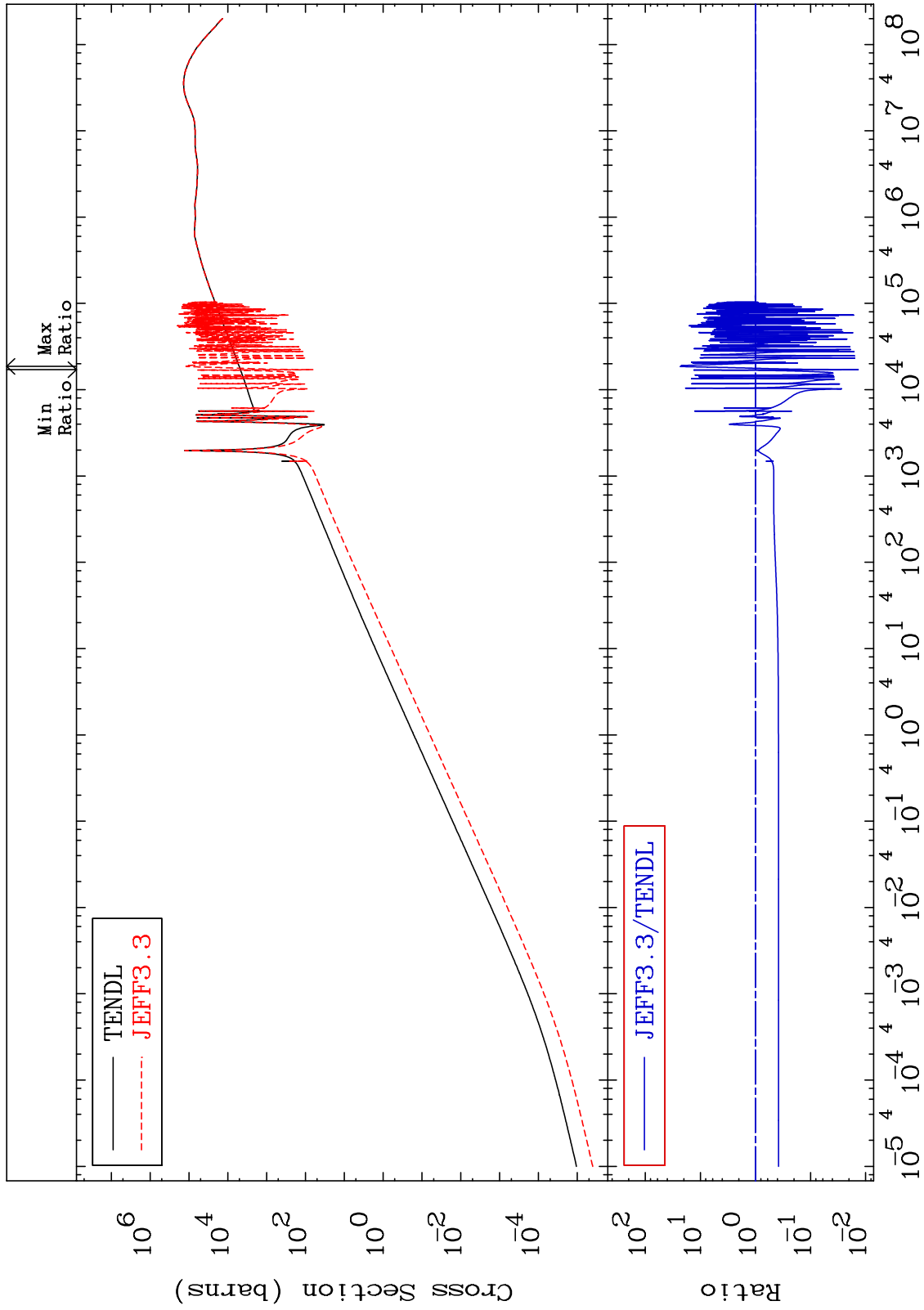
Incident Energy (eV)

34-Se-80

MAT 3443

Kerma elastic
Cross Section

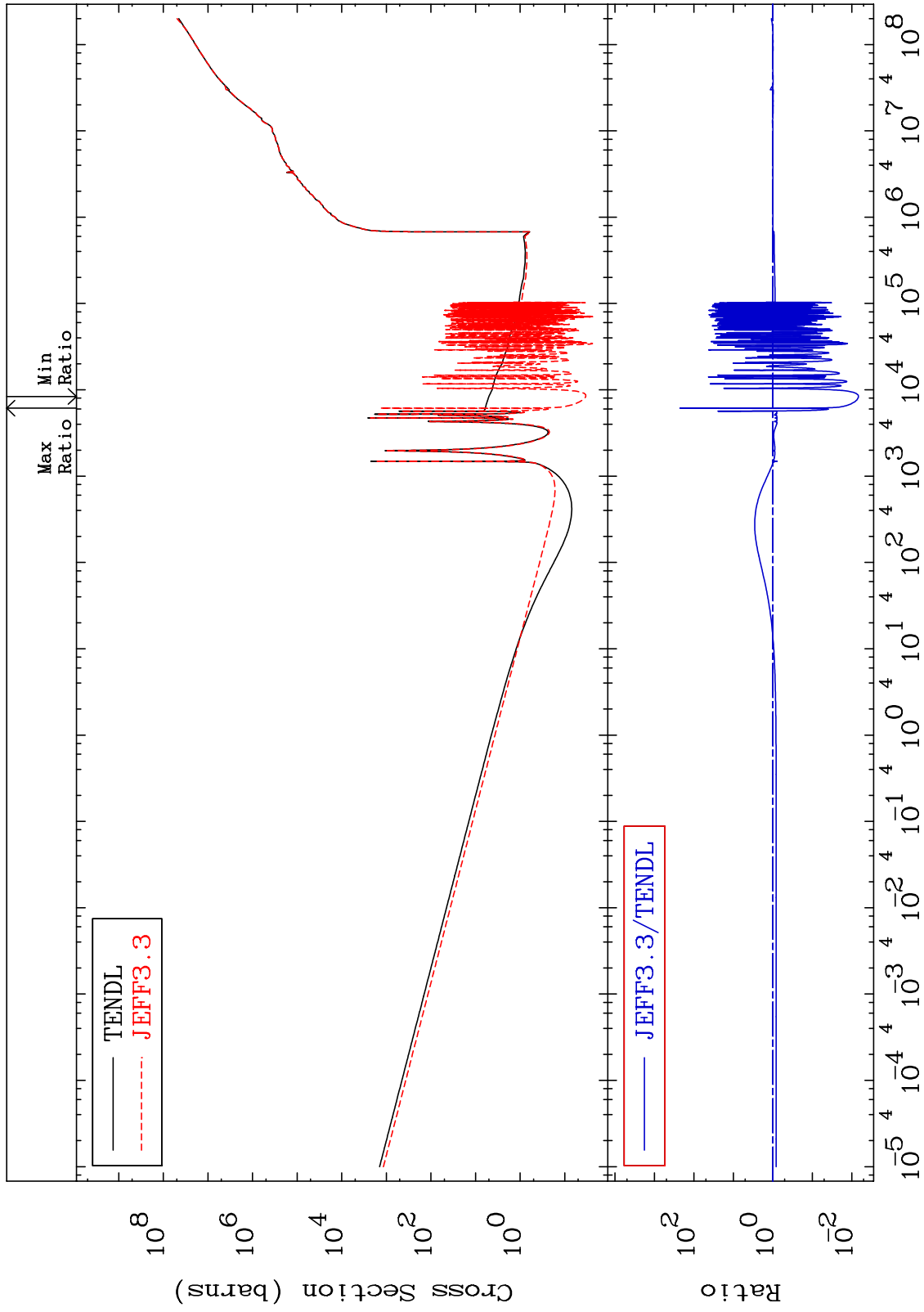
34-Se-80
-98.65 To 2241. %



MAT 3443

Kerma non-elastic (all but mt2)
Cross Section

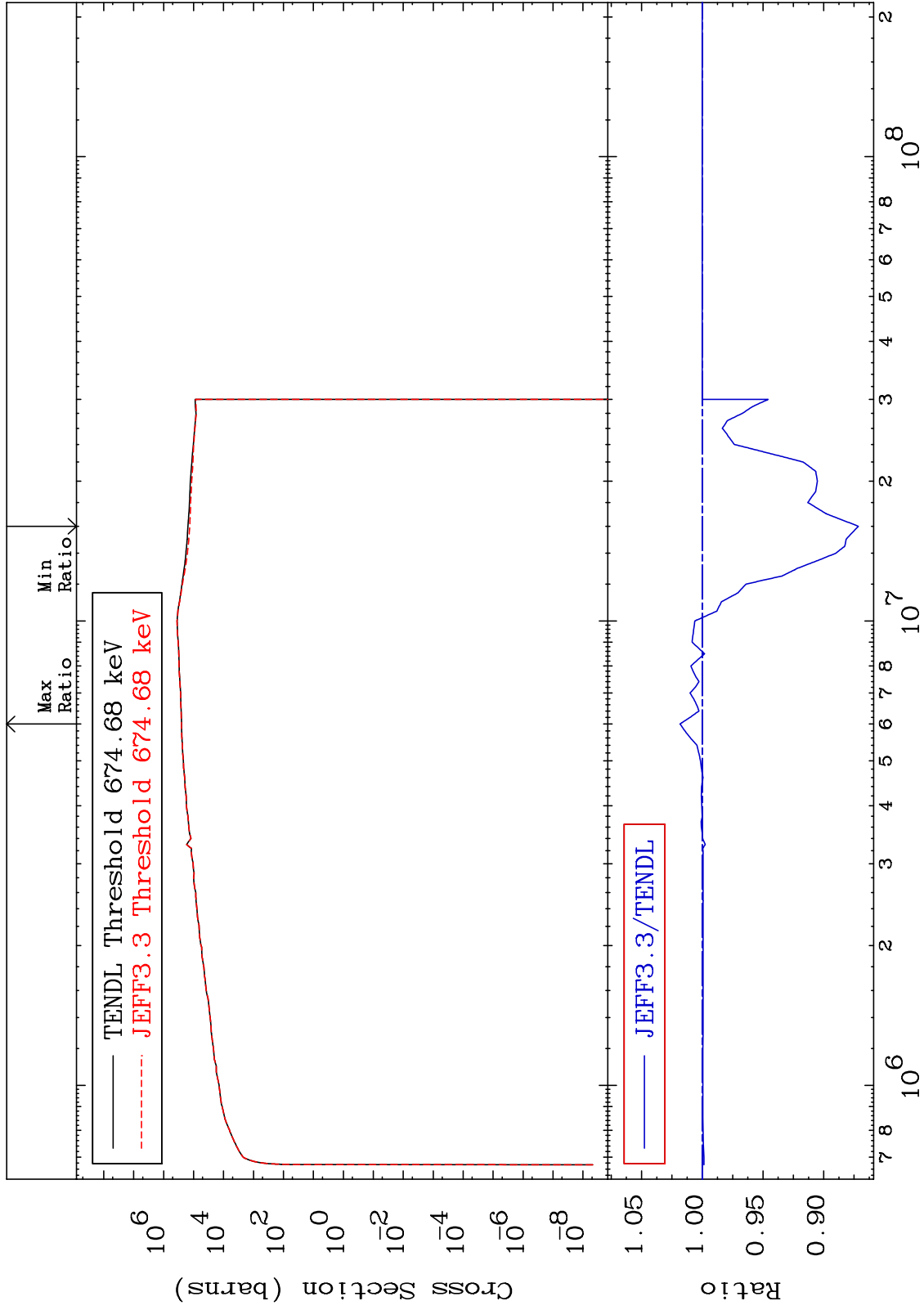
34-Se-80
-99.32 To 9999. %



MAT 3443

Kerma inelastic (mt51-91)
Cross Section

34-Se-80
-12.85 To 1.832 %



70

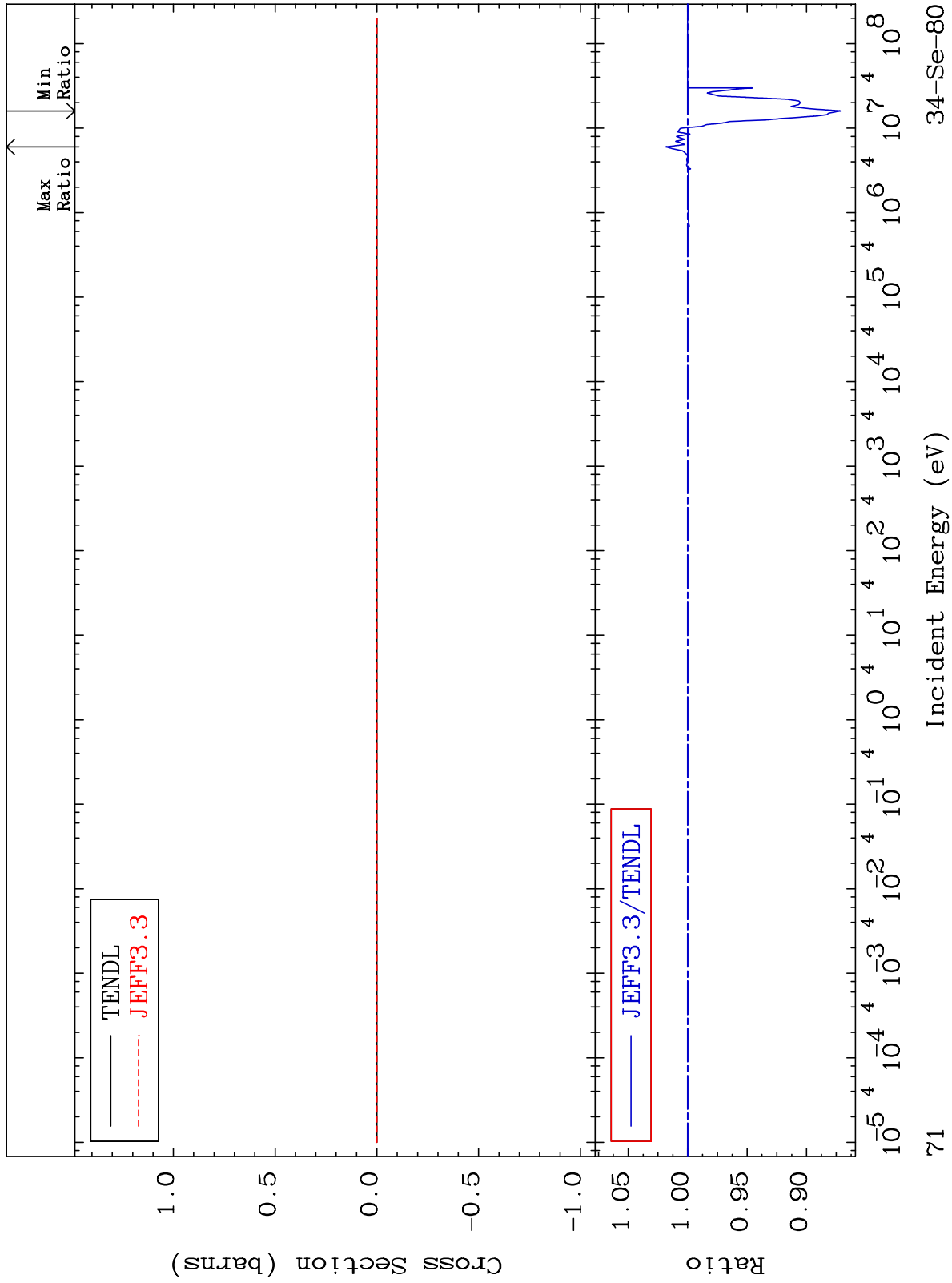
Incident Energy (eV)

34-Se-80

MAT 3443

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

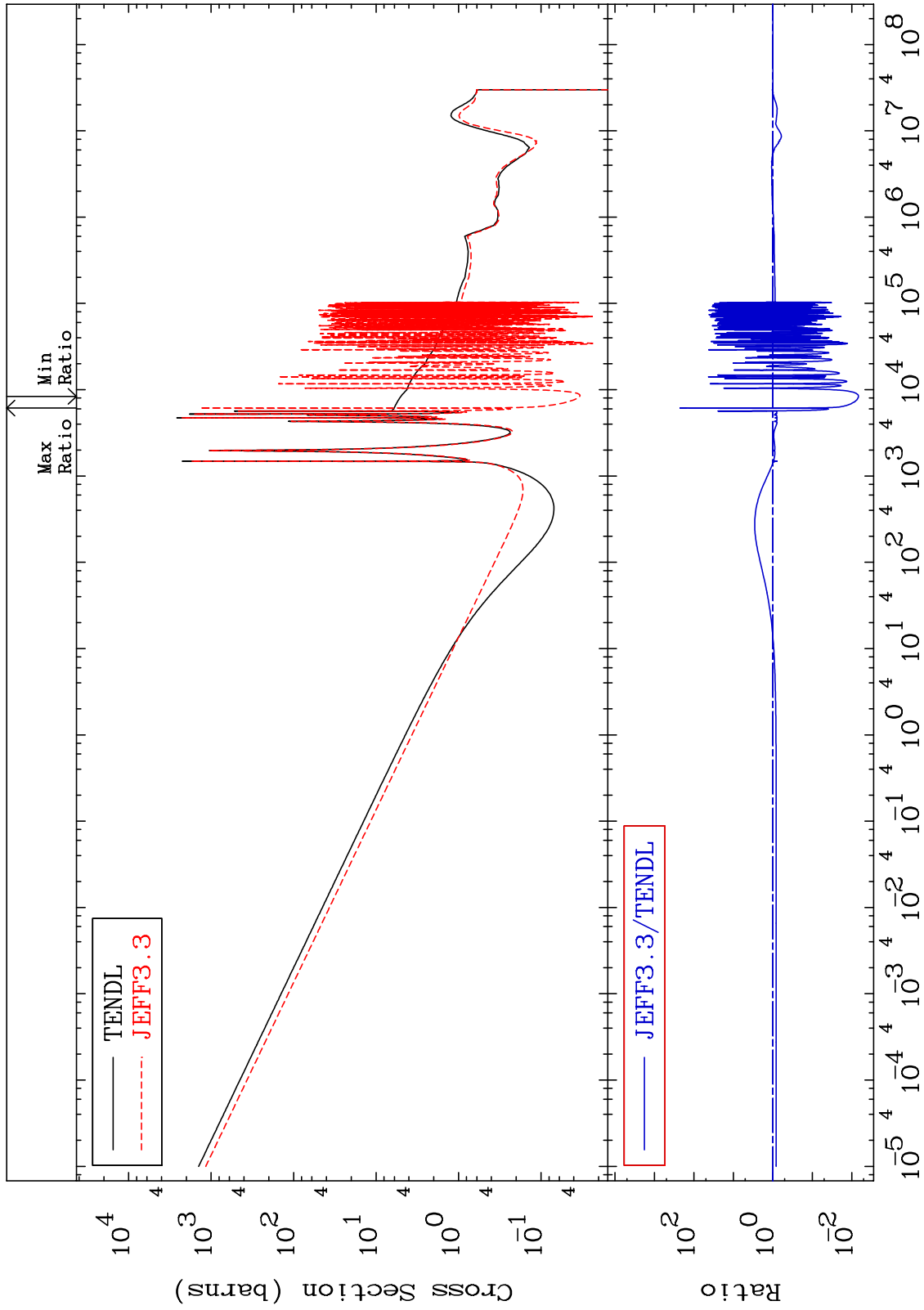
34-Se-80
-12.85 To 1.832 %



MAT 3443

Kerma capture (mt102)
Cross Section

34-Se-80
-99.32 To 9999. %



72

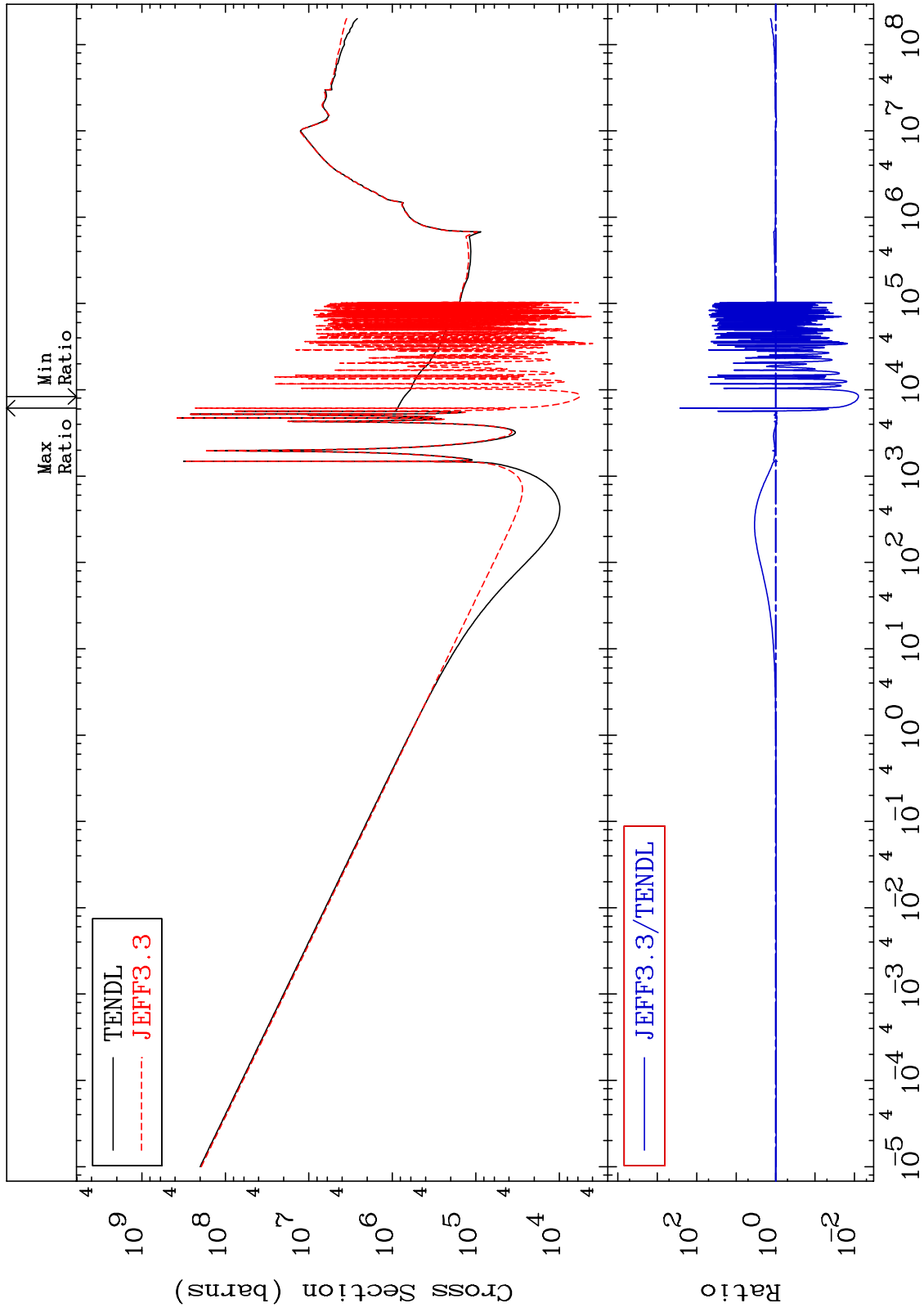
Incident Energy (eV)

34-Se-80

MAT 3443

Total photon (eV-barns)
Cross Section

34-Se-80
-99.20 To 9999. %



73

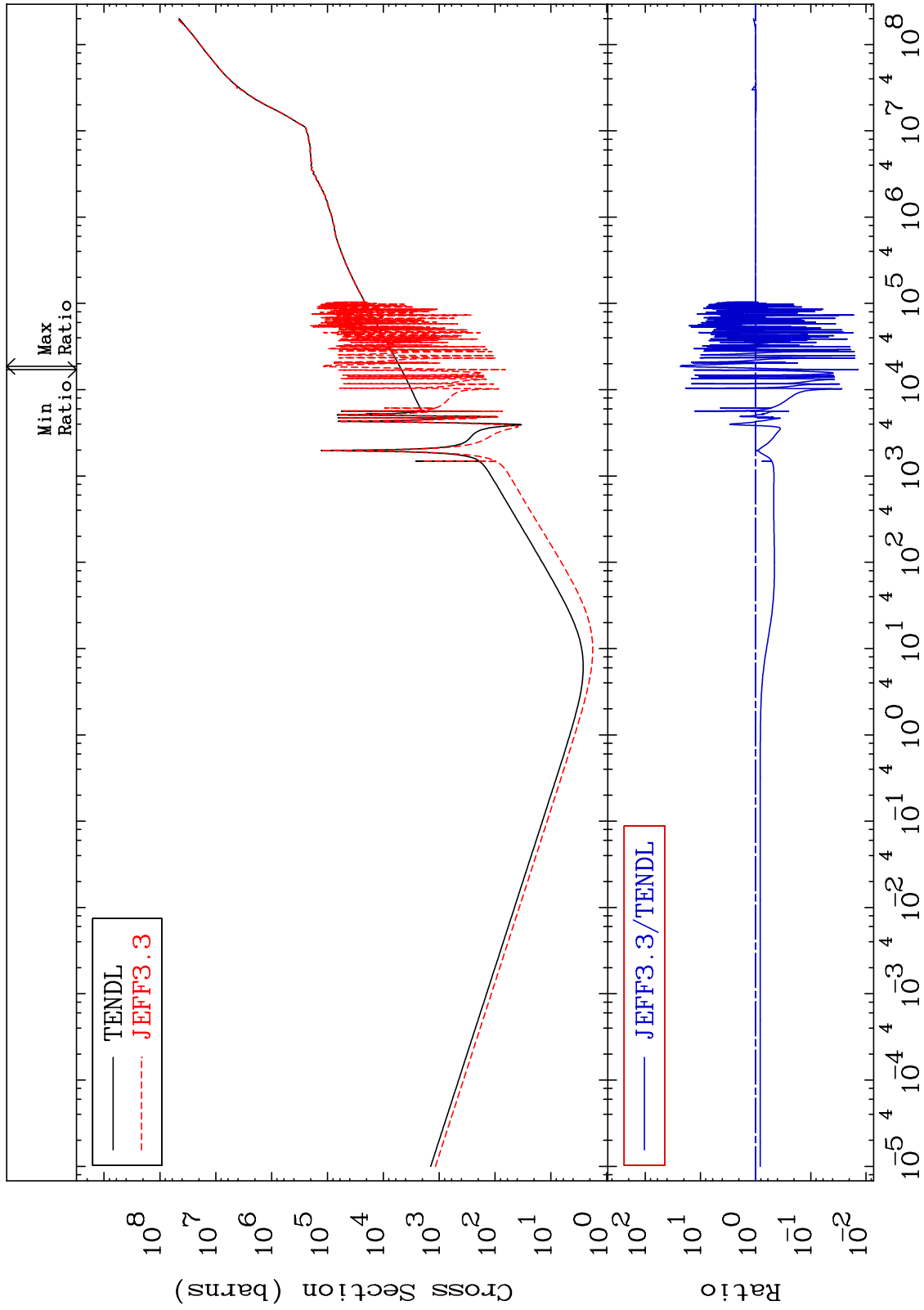
Incident Energy (eV)

34-Se-80

MAT 3443

Total kinematic kerma (high limit)
Cross Section

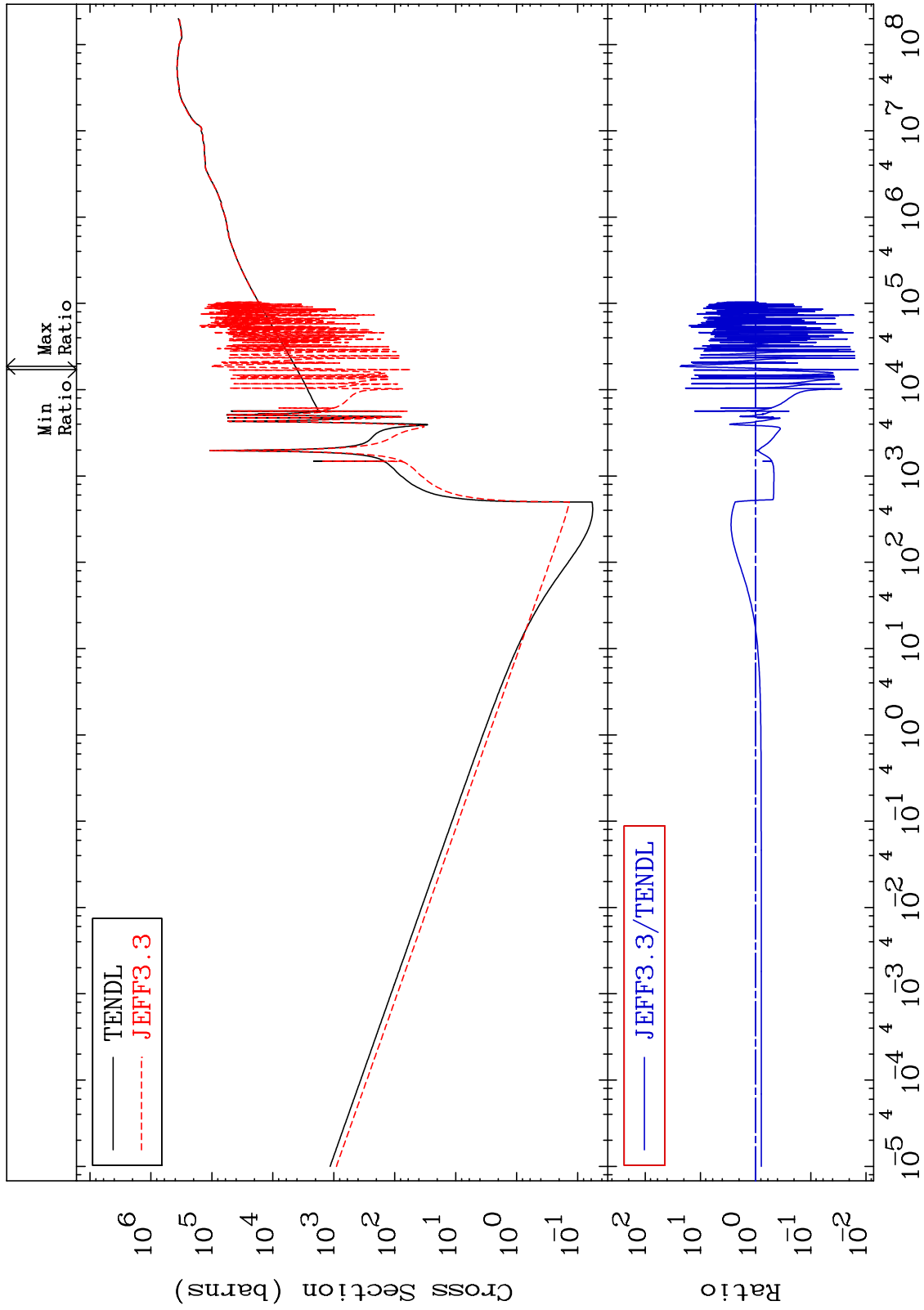
34-Se-80
-98.63 To 2239. %



MAT 3443

Dpa total (eV-barns)
Cross Section

34-Se-80
-98.63 To 2240. %



75

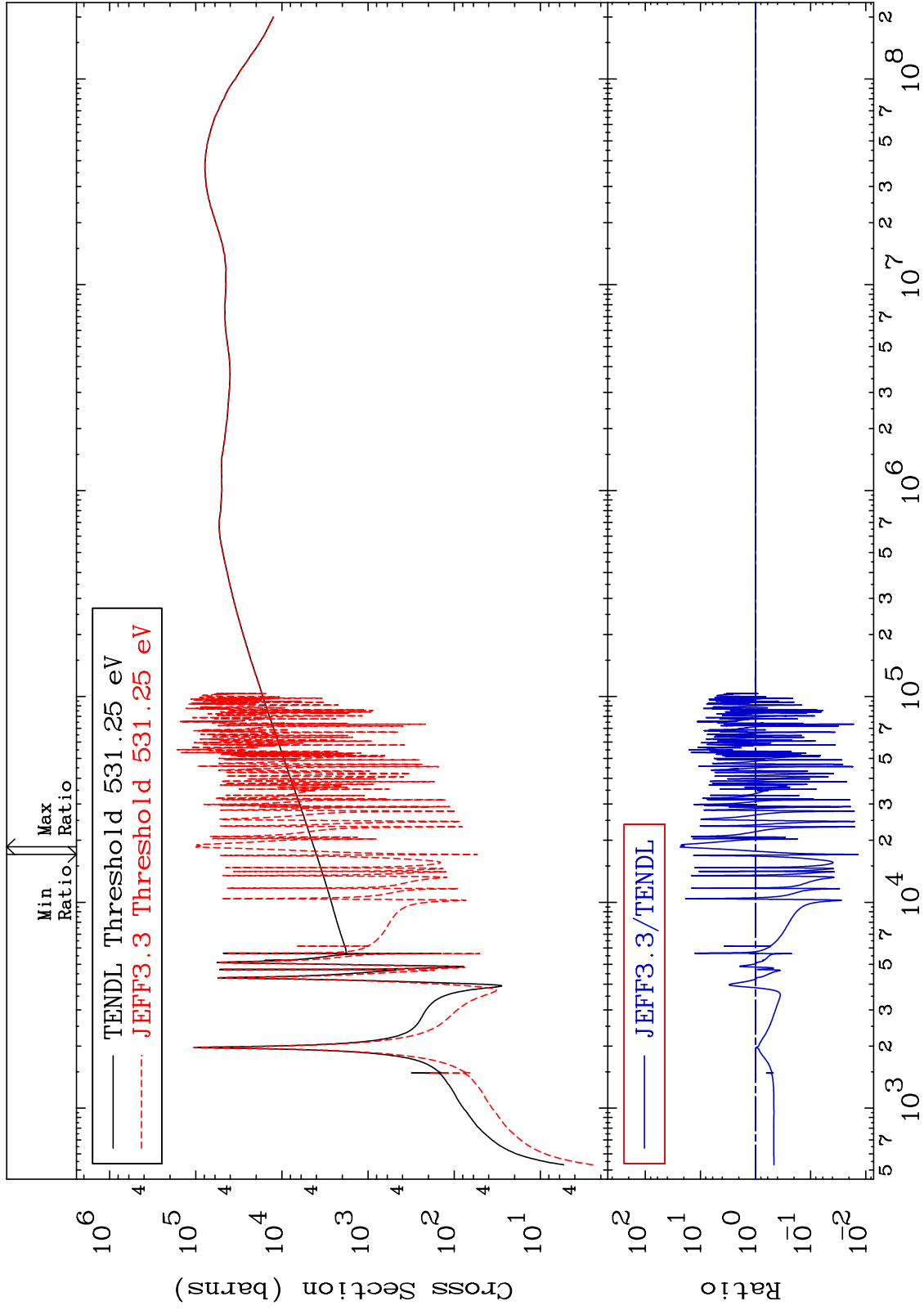
Incident Energy (eV)

34-Se-80

MAT 3443

Dpa elastic (mt2)
Cross Section

34-Se-80
-98.65 To 2241. %



76

34-Se-80

34-Se-80

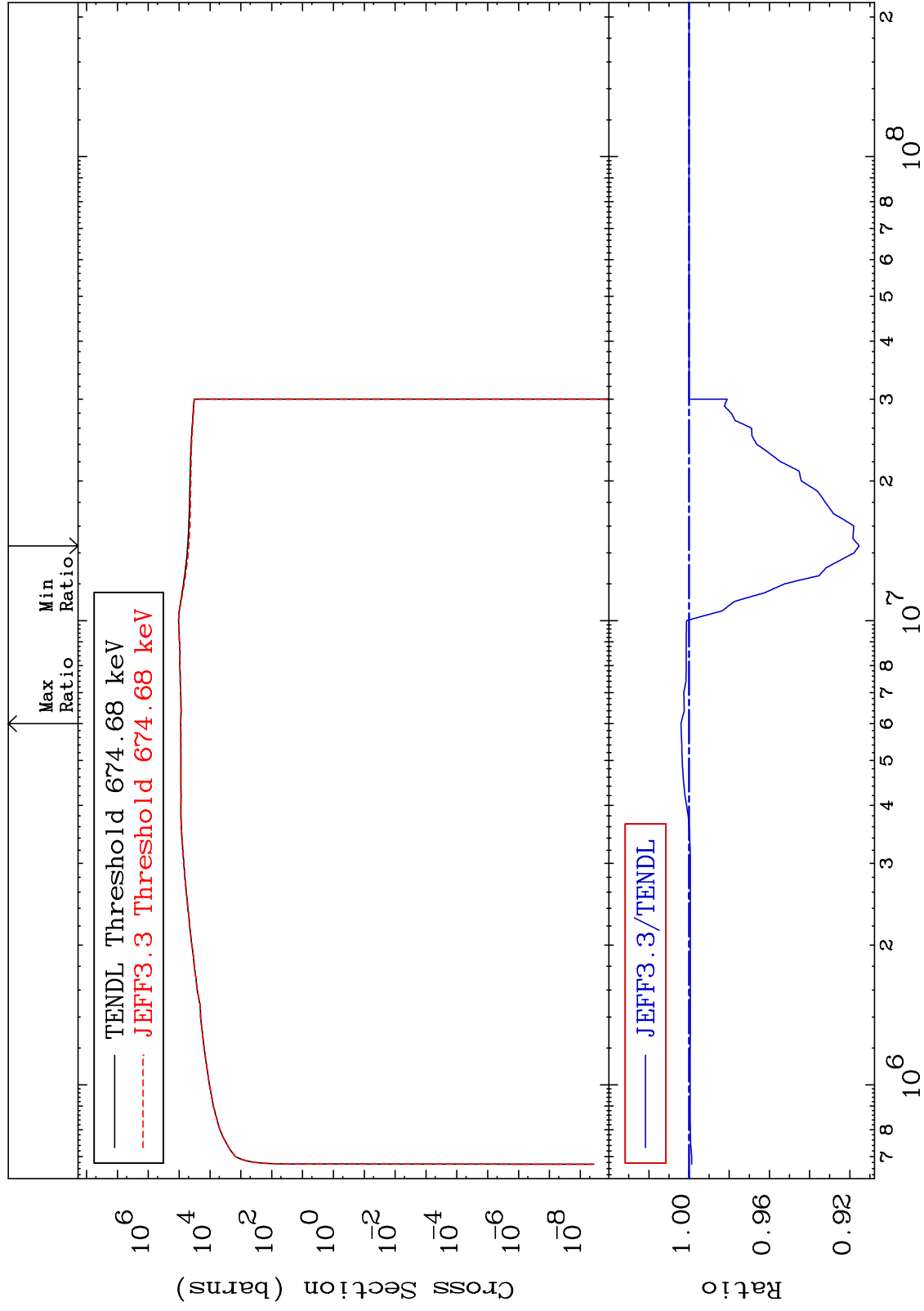
MAT 3443

Dpa inelastic (mt51-91)

³⁴Se-80

-8.474 To 0.398 %

Cross Section



77

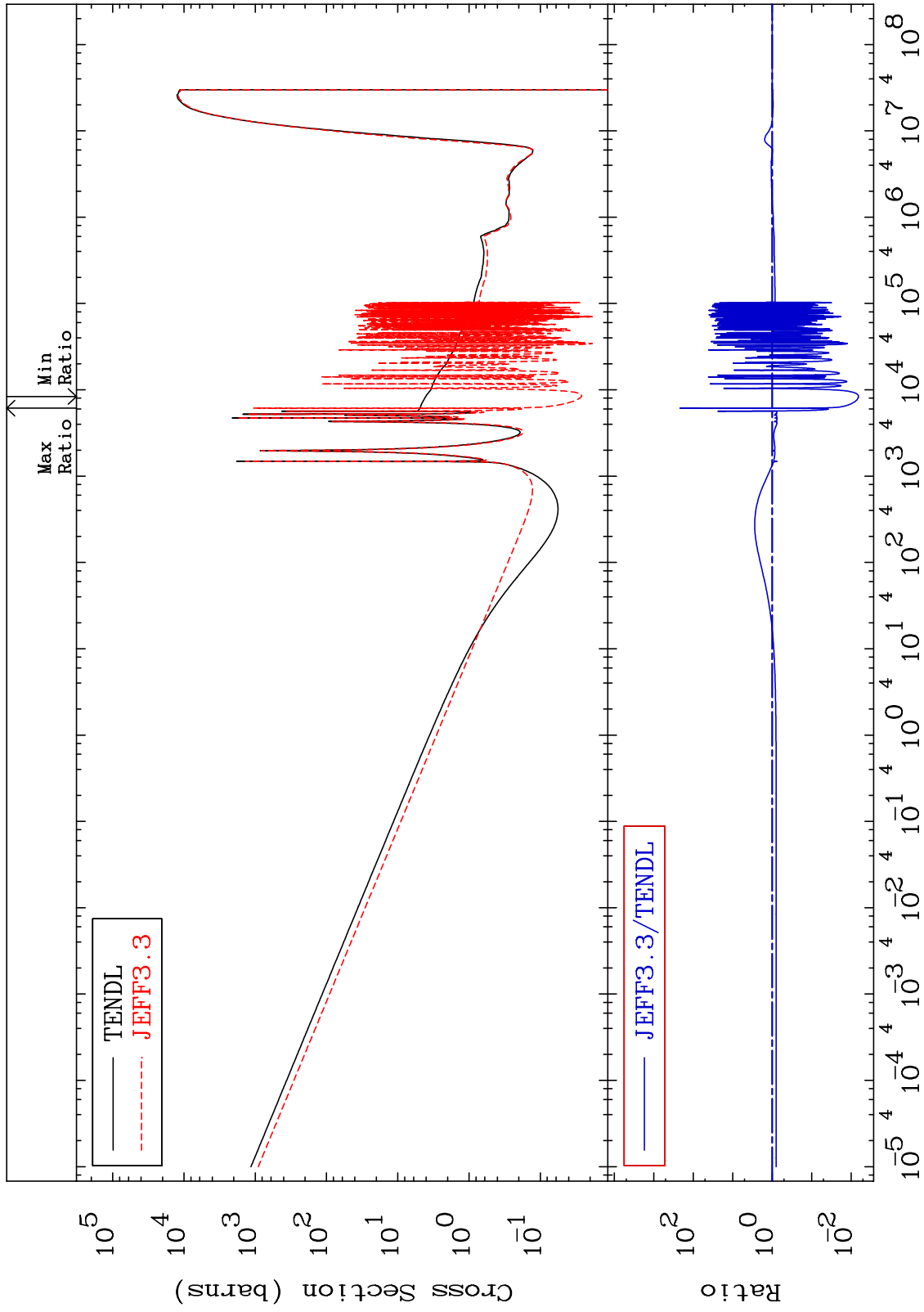
Incident Energy (eV)

³⁴Se-80

MAT 3443

Dpa disappearance (mt102 -120)
Cross Section

34-Se-80
-99.35 To 9999. %



78

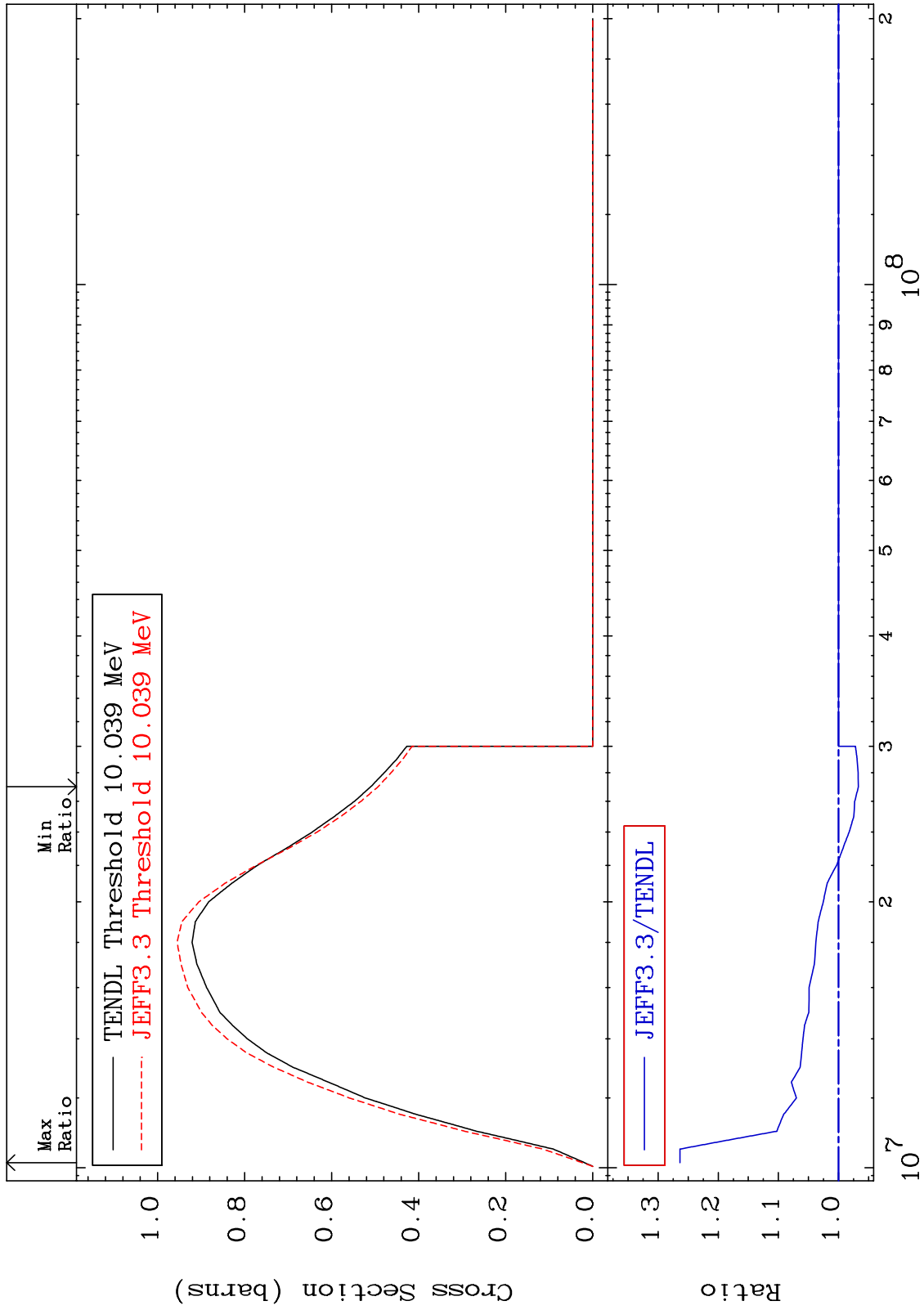
Incident Energy (eV)

34-Se-80

MAT 3443

34-Se-80

(n,2n):34-Se-79g
Radionuclide Production Cross Section -3.311 To 26.36 %



34-Se-80

Incident Energy (eV)

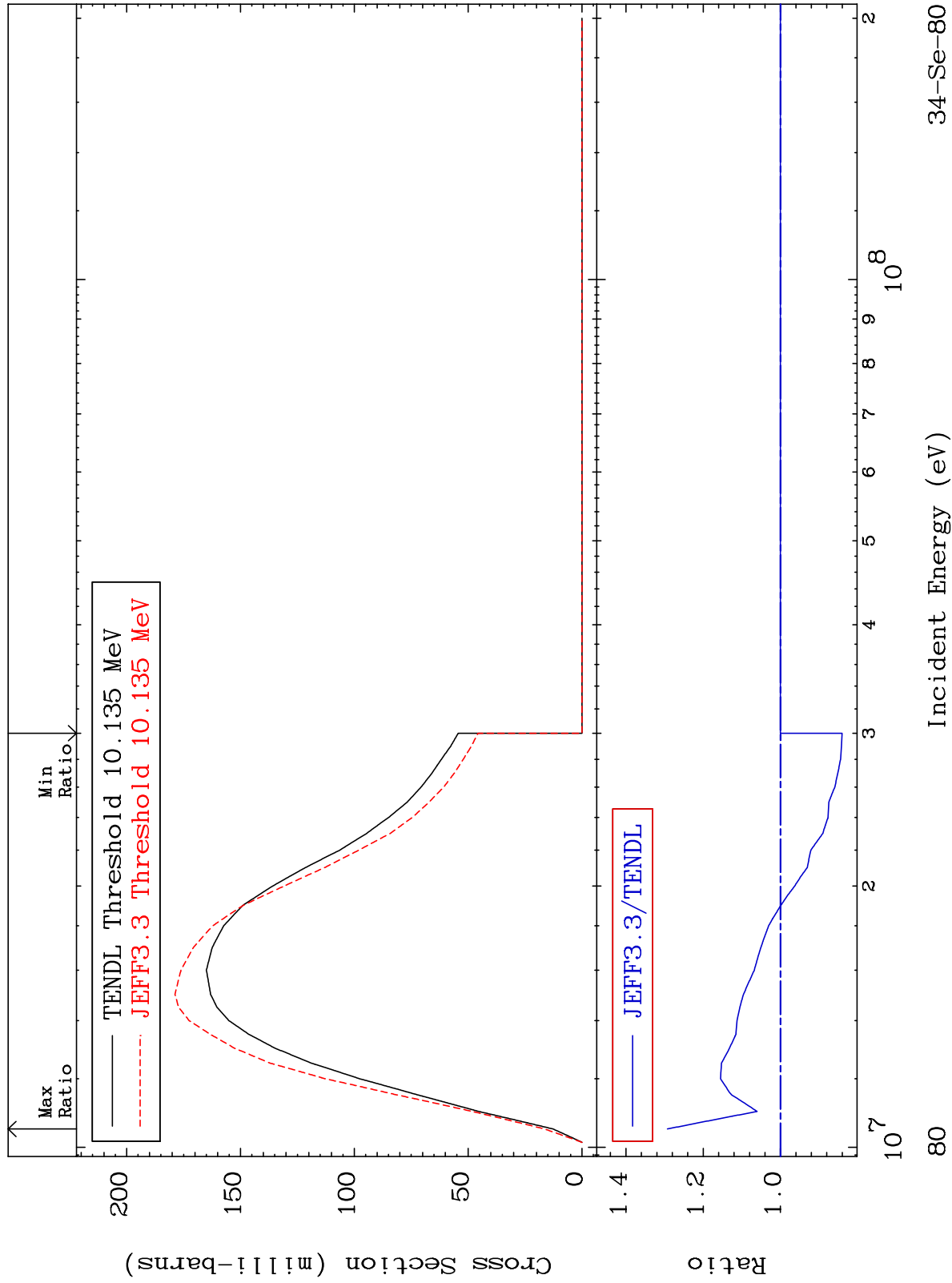
79

MAT 3443

(n,2n):34-Se-79m1

34-Se-80

Radionuclide Production Cross Section -15.97 To 29.25 %

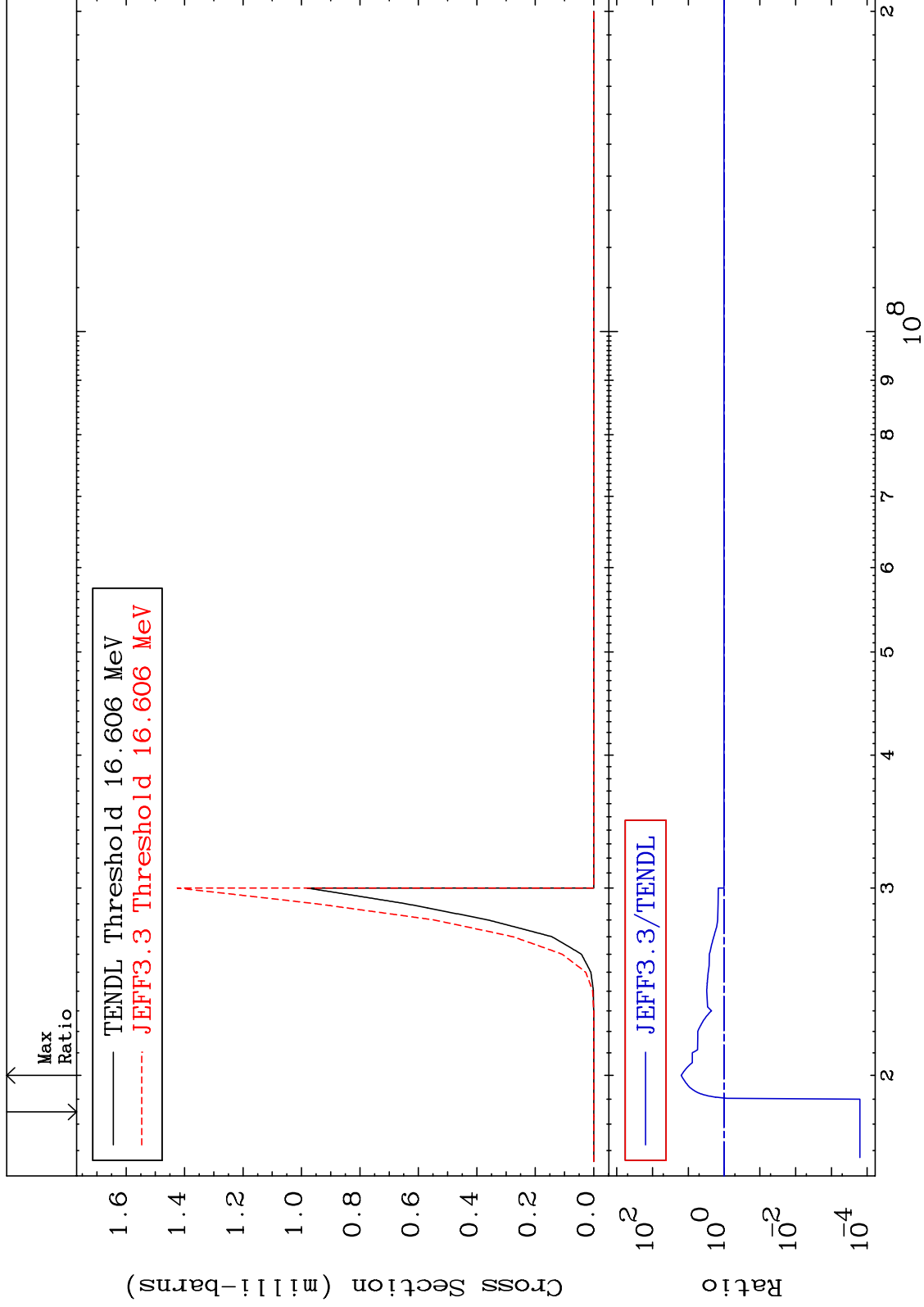


MAT 3443

(n,2n) α :32-Ge-75g

34-Se-80

Radionuclide Production Cross Section -99.98 To 1476. %

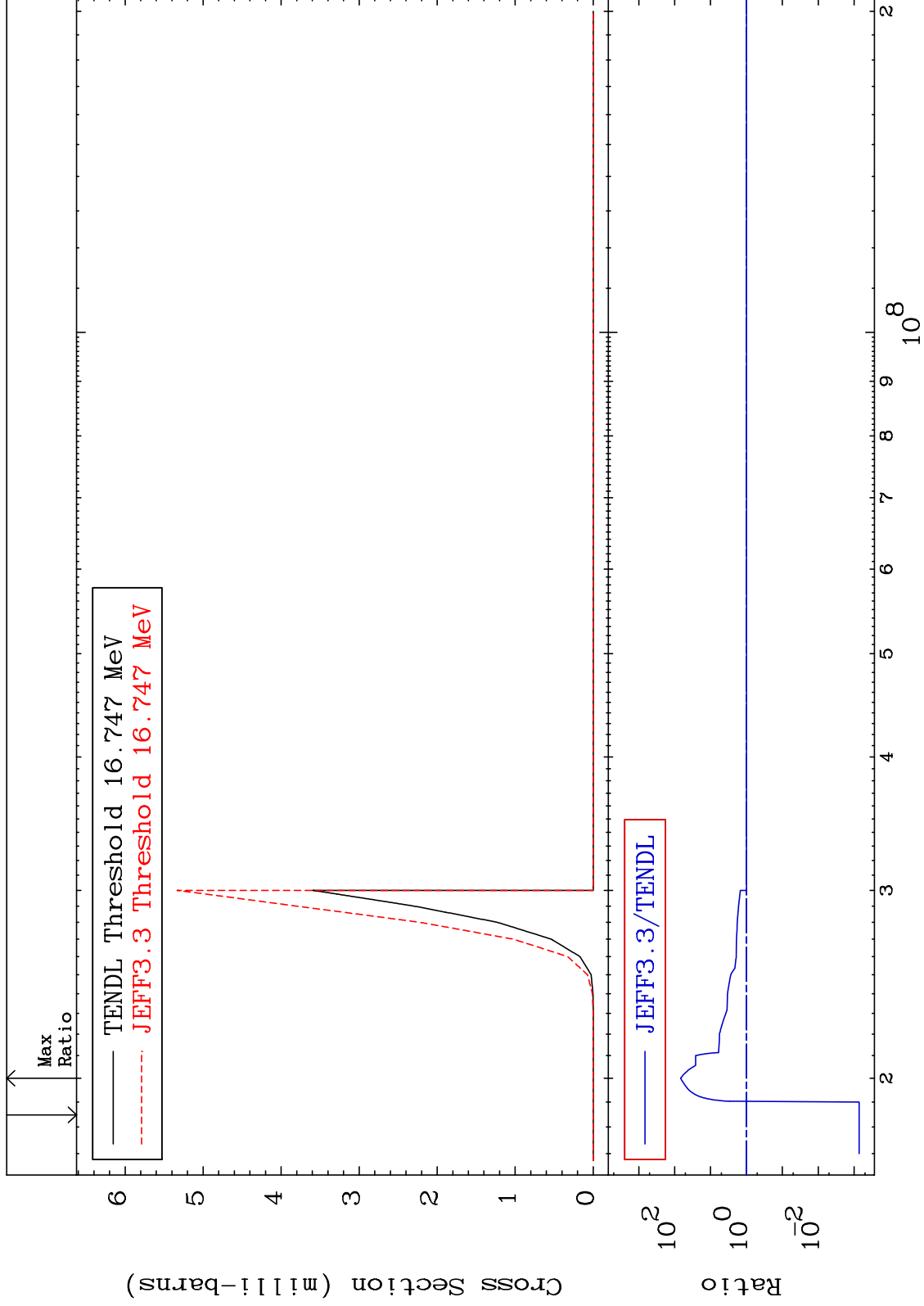


MAT 3443

(n,2n) α :32-Ge-75m2

34-Se-80

Radionuclide Production Cross Section -99.93 To 6715. %

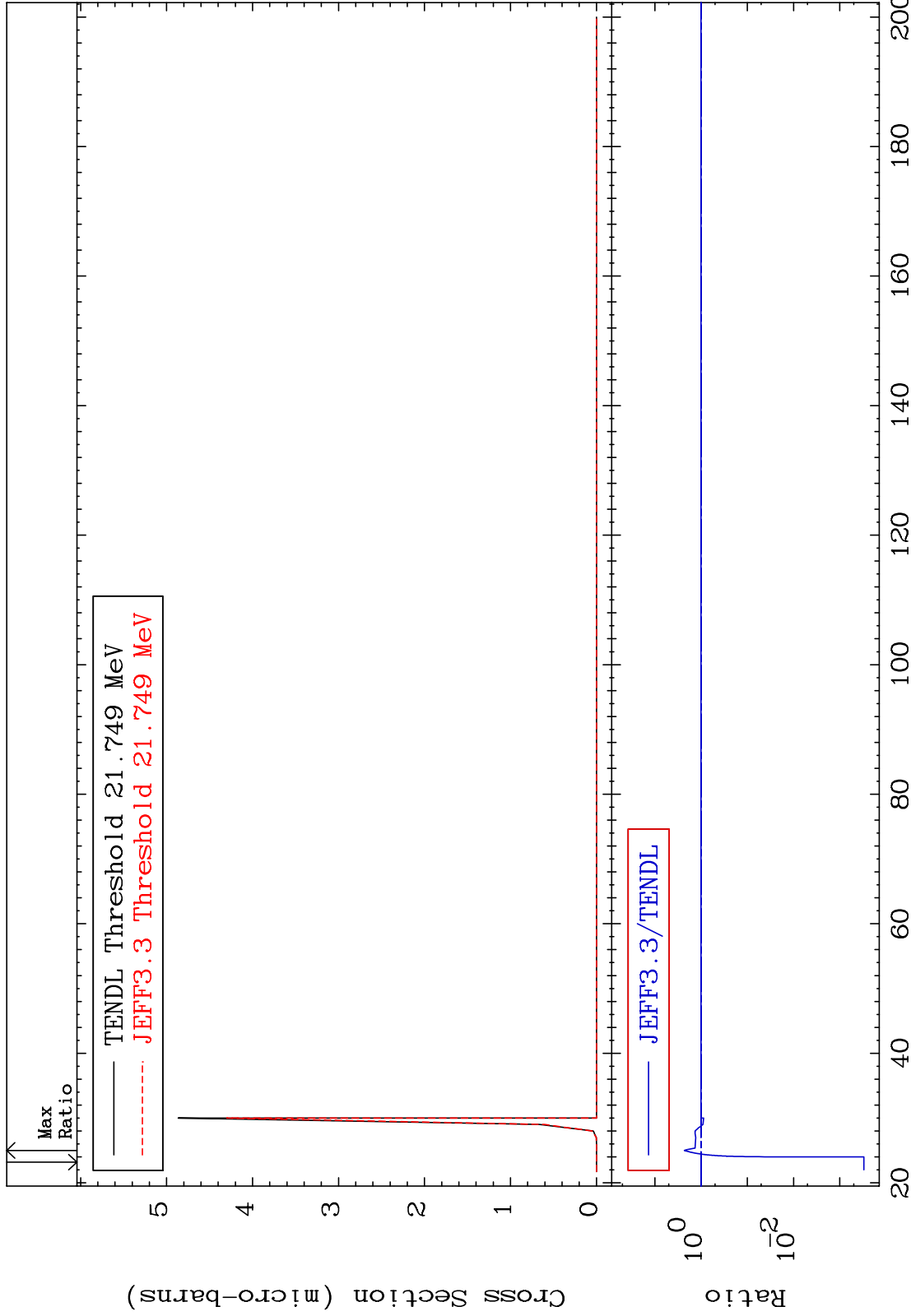


MAT 3443

(n, n') He-3:32-Ge-77g

34-Se-80

Radionuclide Production Cross Section -99.97 To 129.4 %



83

Incident Energy (MeV)

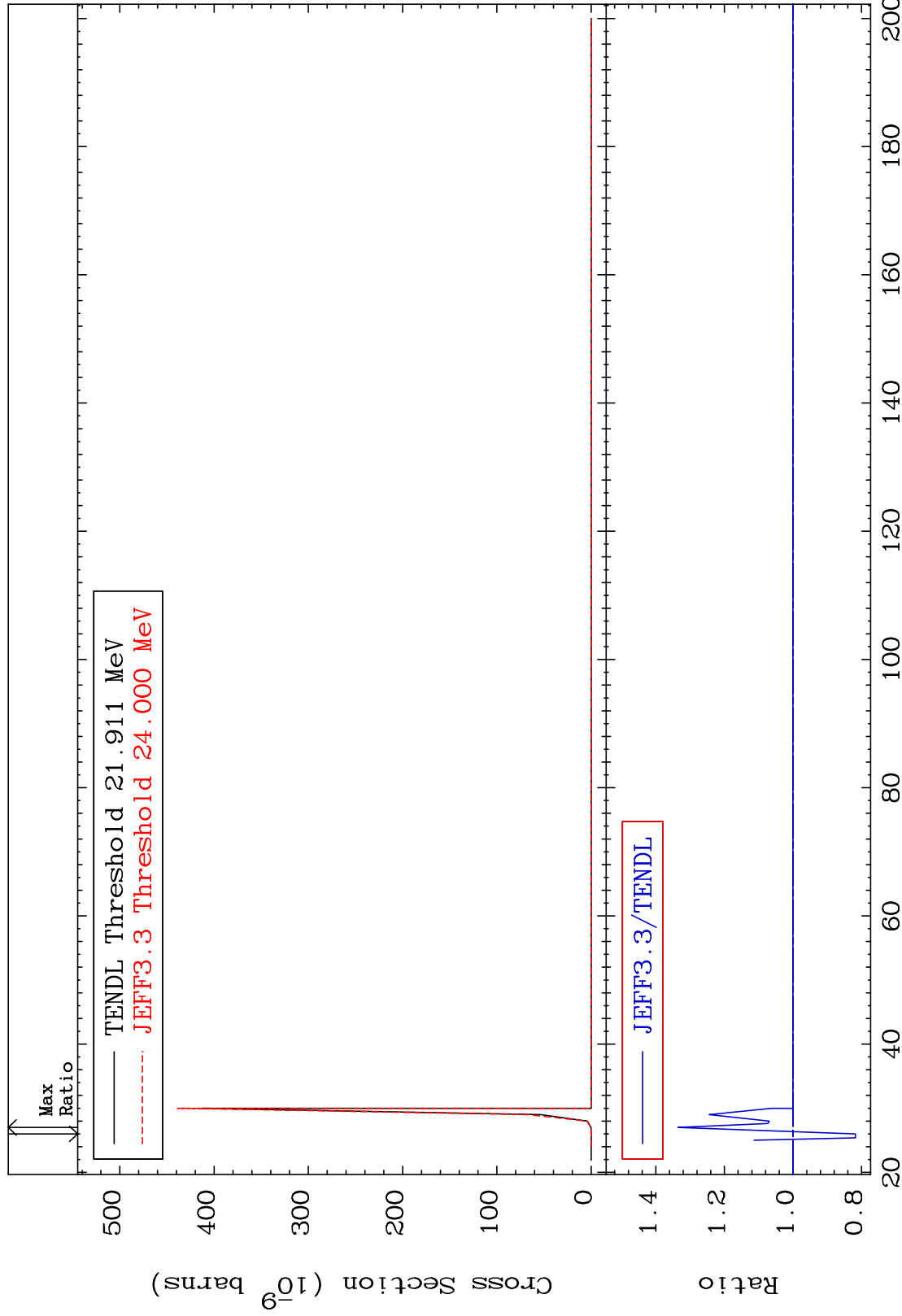
34-Se-80

MAT 3443

(n, n') He-3:32-Ge-77m1

34-Se-80

Radionuclide Production Cross Section -18.22 To 33.53 %

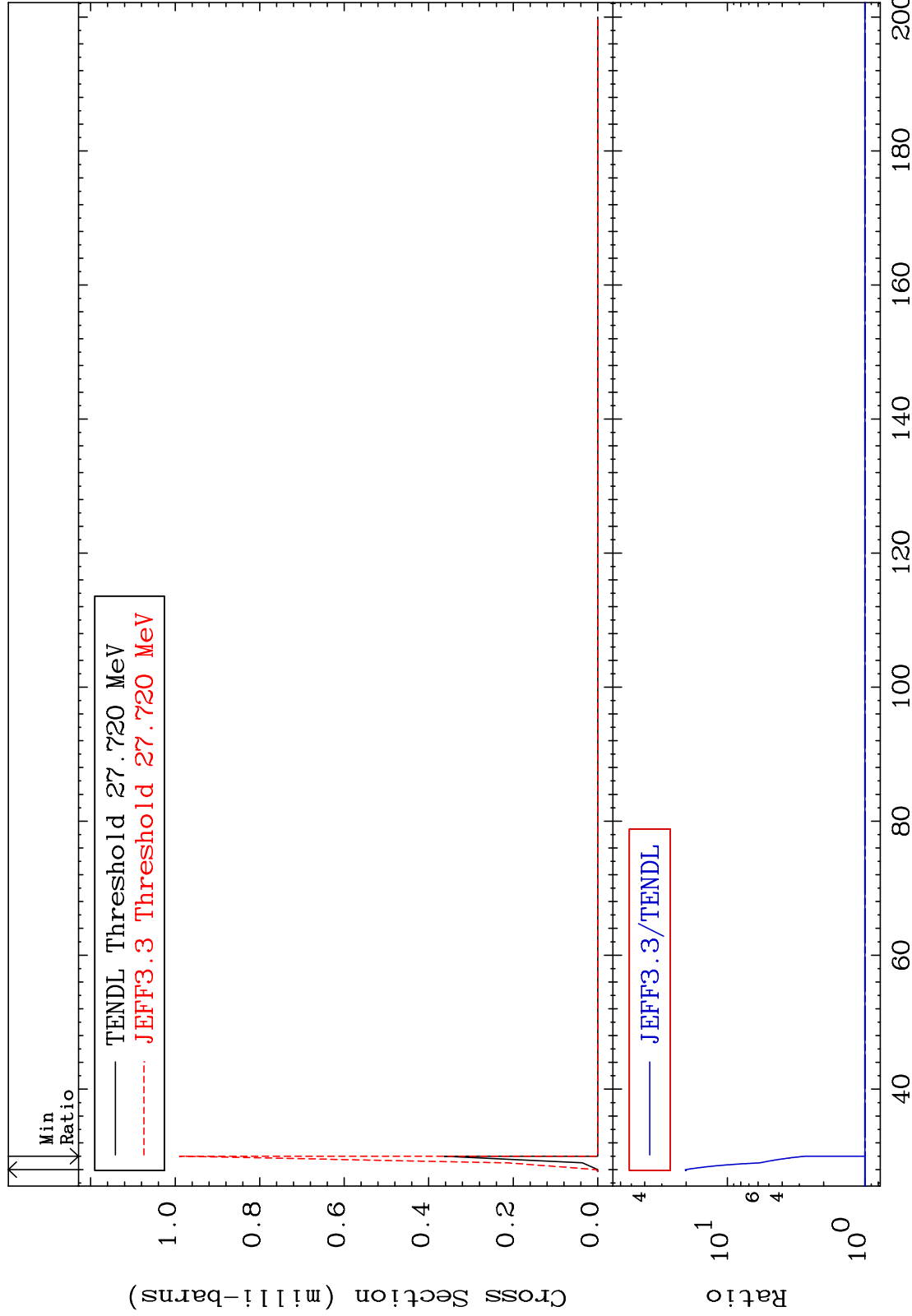


MAT 3443

³⁴Se-80

(n, 4n) : ³⁴Se-77g

Radionuclide Production Cross Section 0.000 To 1918. %



85

³⁴Se-80

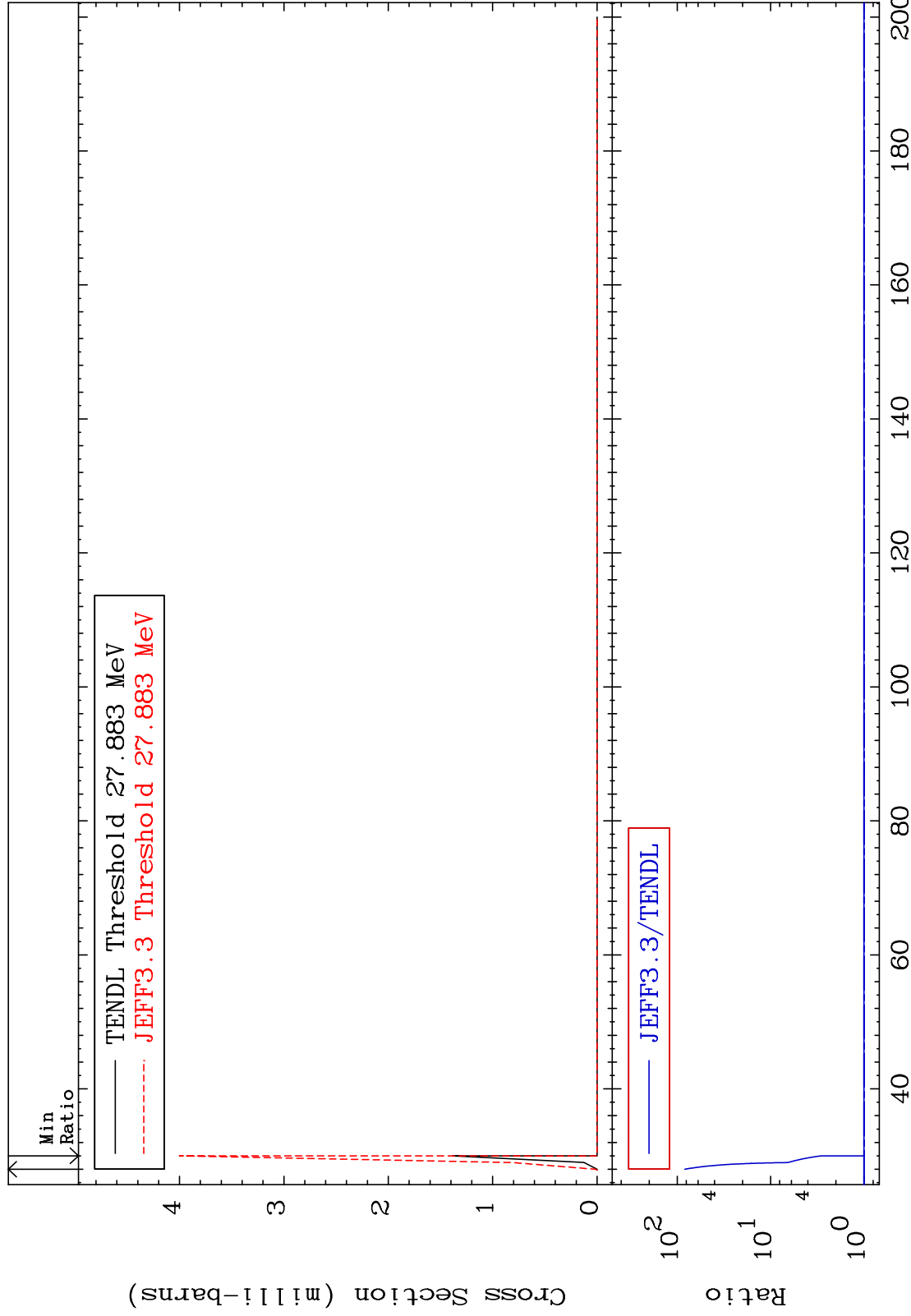
Incident Energy (MeV)

MAT 3443

(n,4n):34-Se-77m1

34-Se-80

Radionuclide Production Cross Section 0.000 To 8215. %

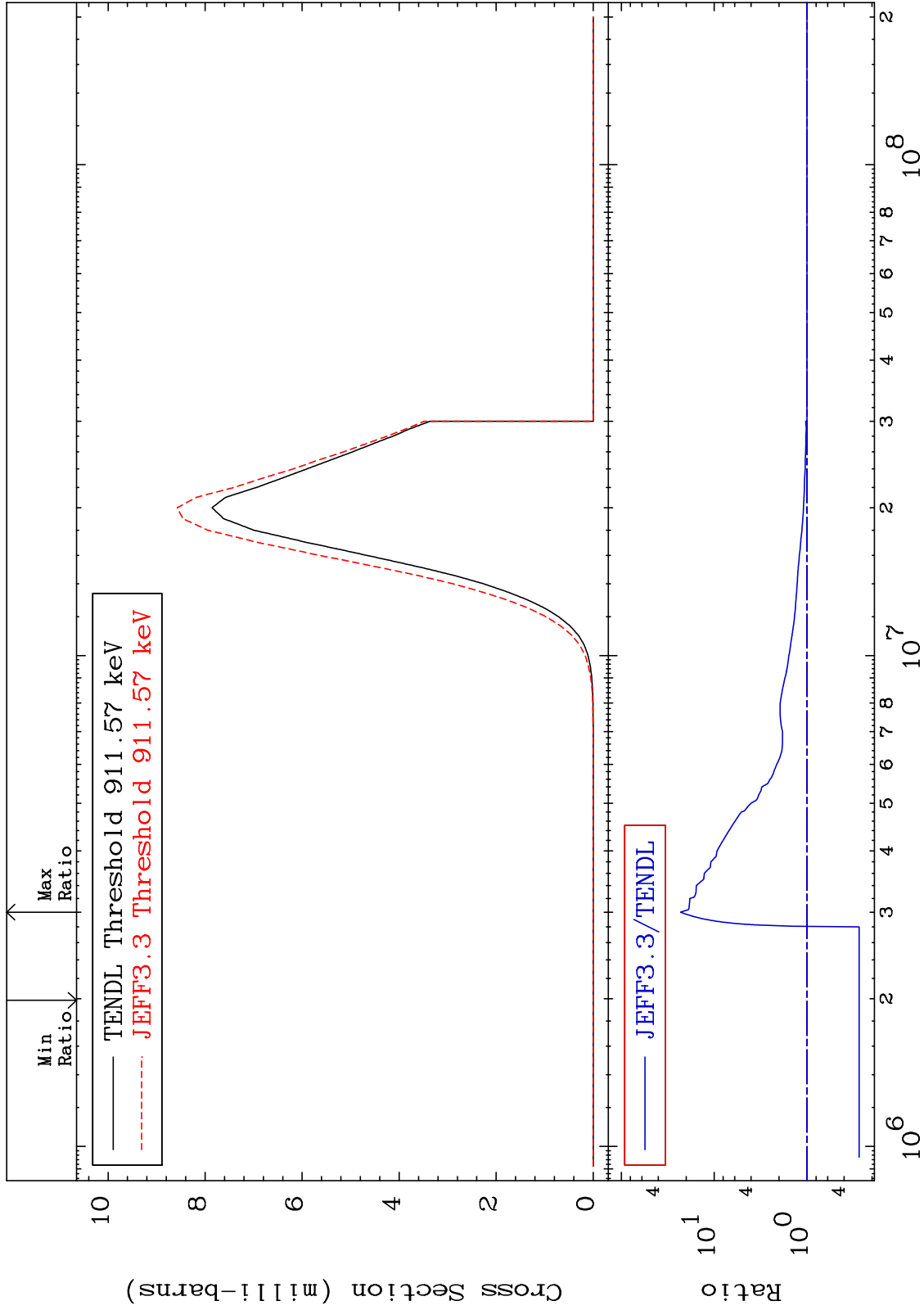


MAT 3443

(n, α): 32-Ge-77g

34-Se-80

Radionuclide Production Cross Section -72.56 To 2200. %



87

Incident Energy (eV)

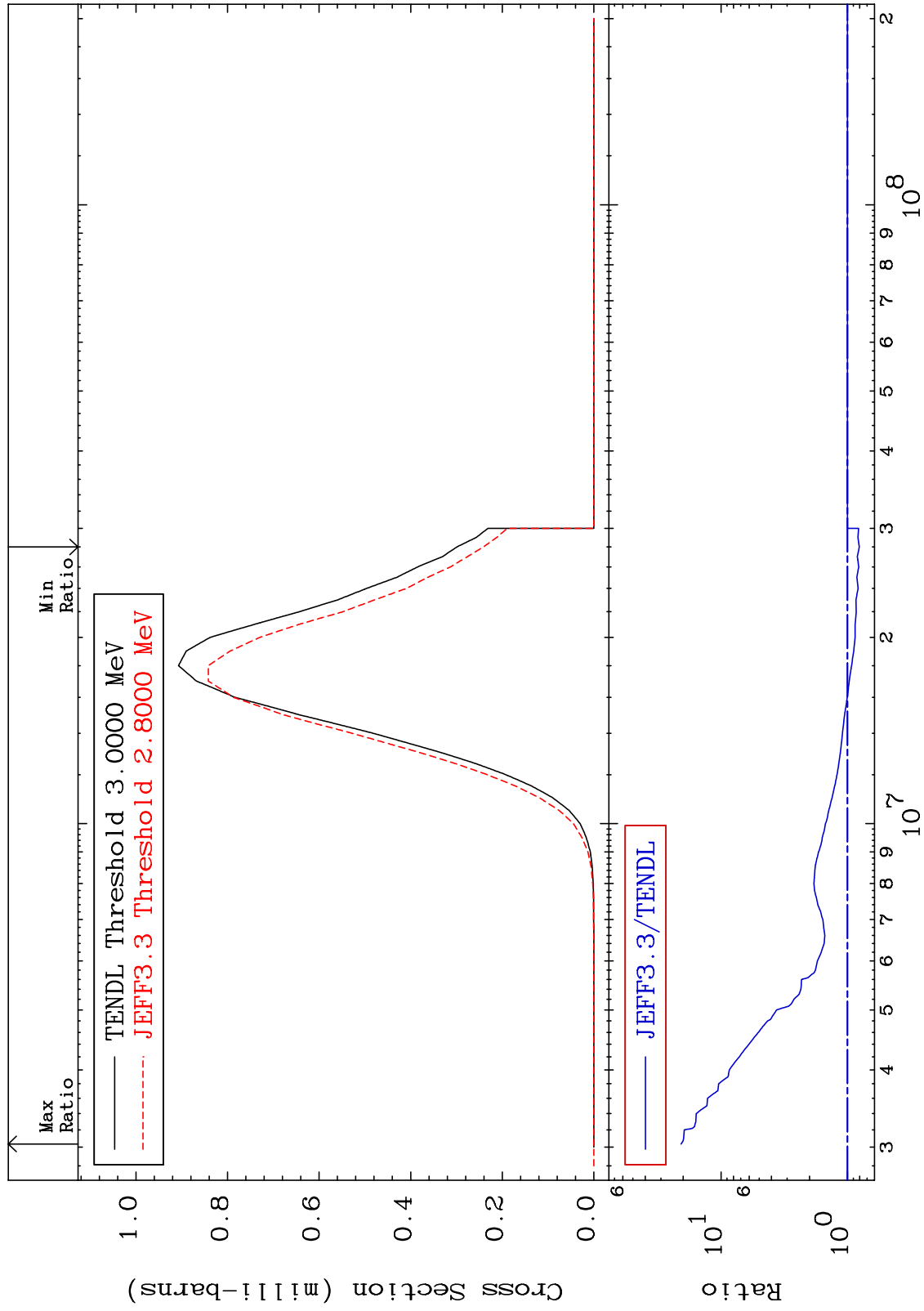
34-Se-80

MAT 3443

(n, α): 32-Ge-77m1

34-Se-80

Radionuclide Production Cross Section -19.37 To 1978. %

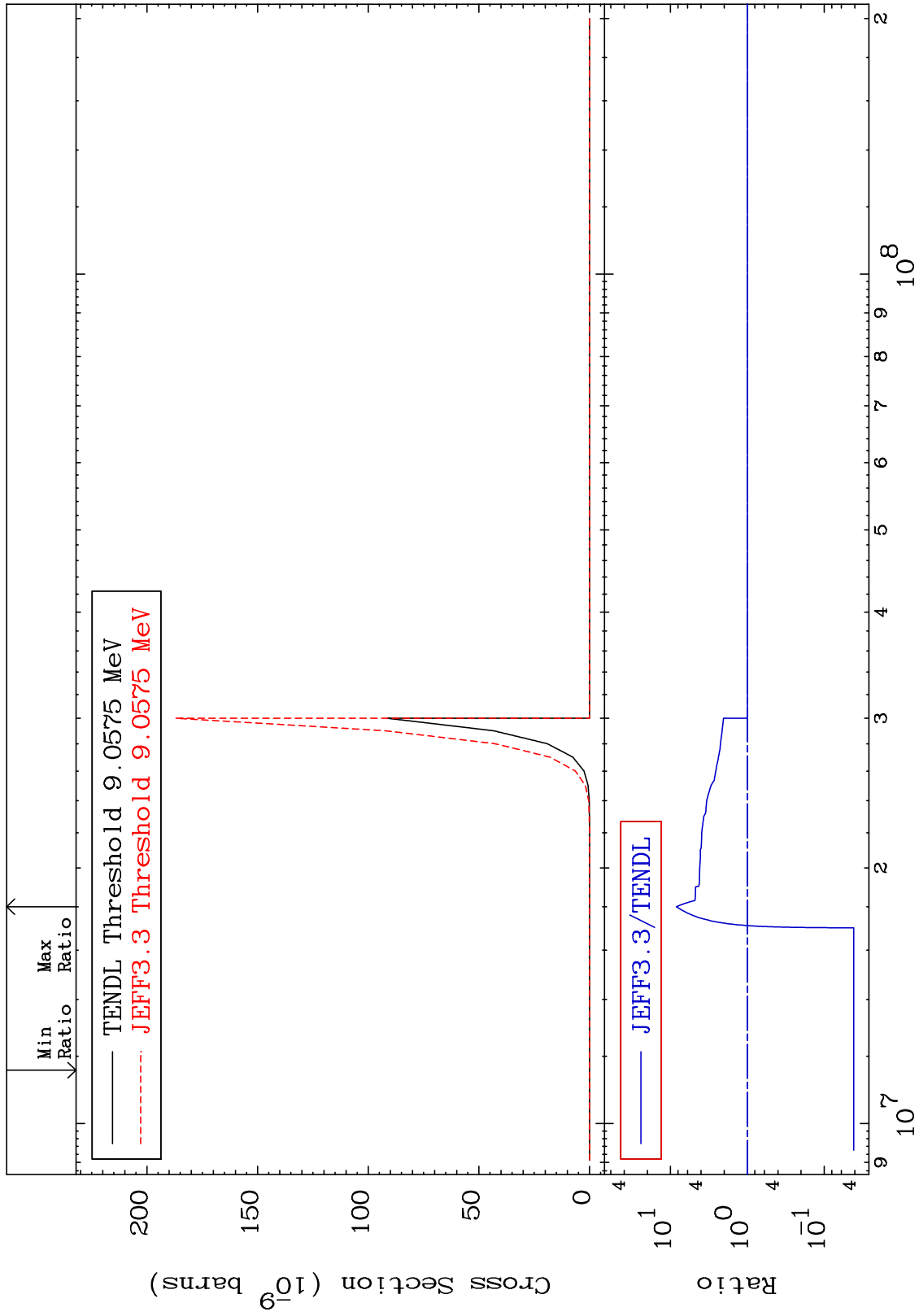


MAT 3443

(n,2α):30-Zn-73g

34-Se-80

Radionuclide Production Cross Section -95.87 To 739.4 %



89

Incident Energy (eV)

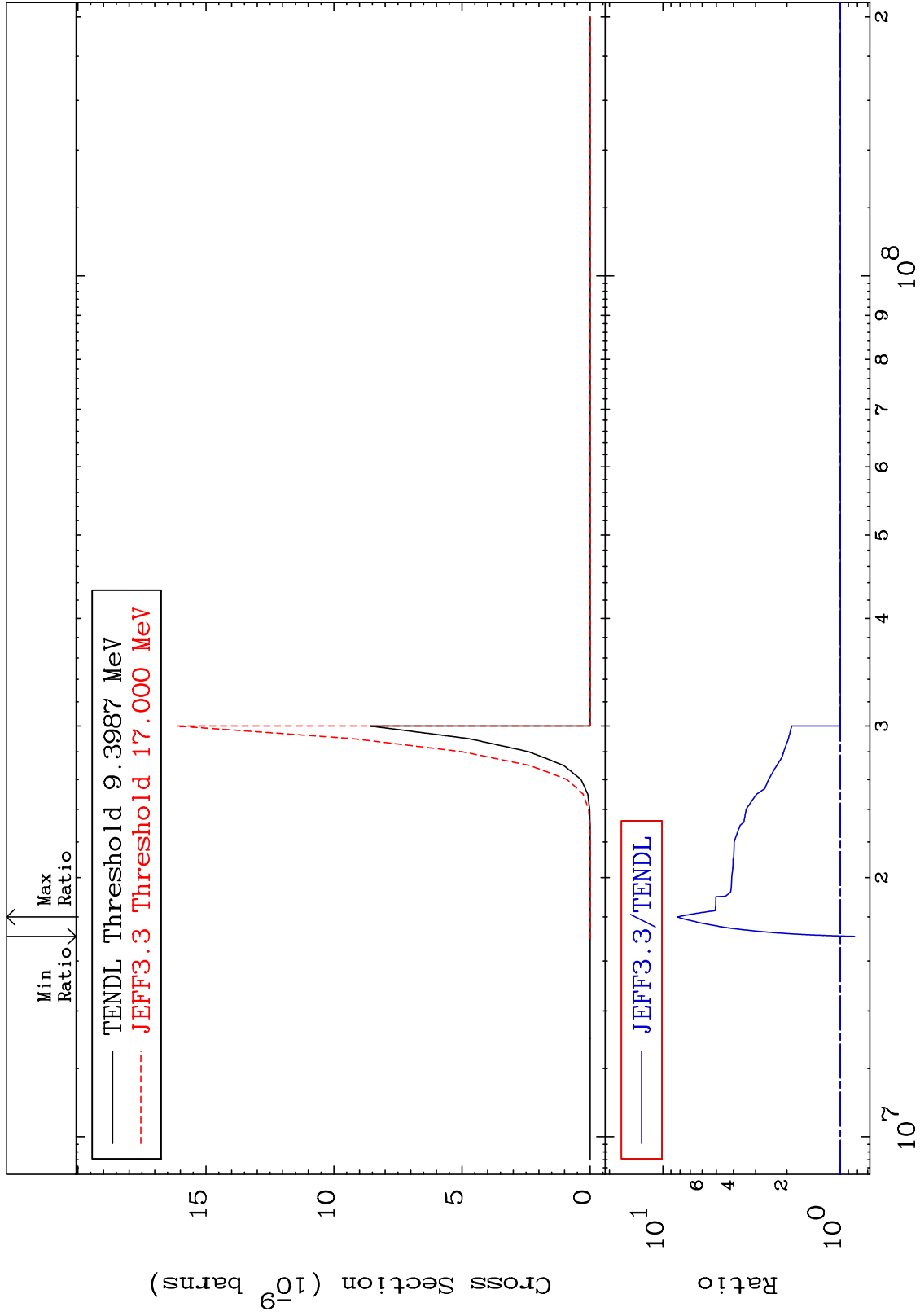
34-Se-80

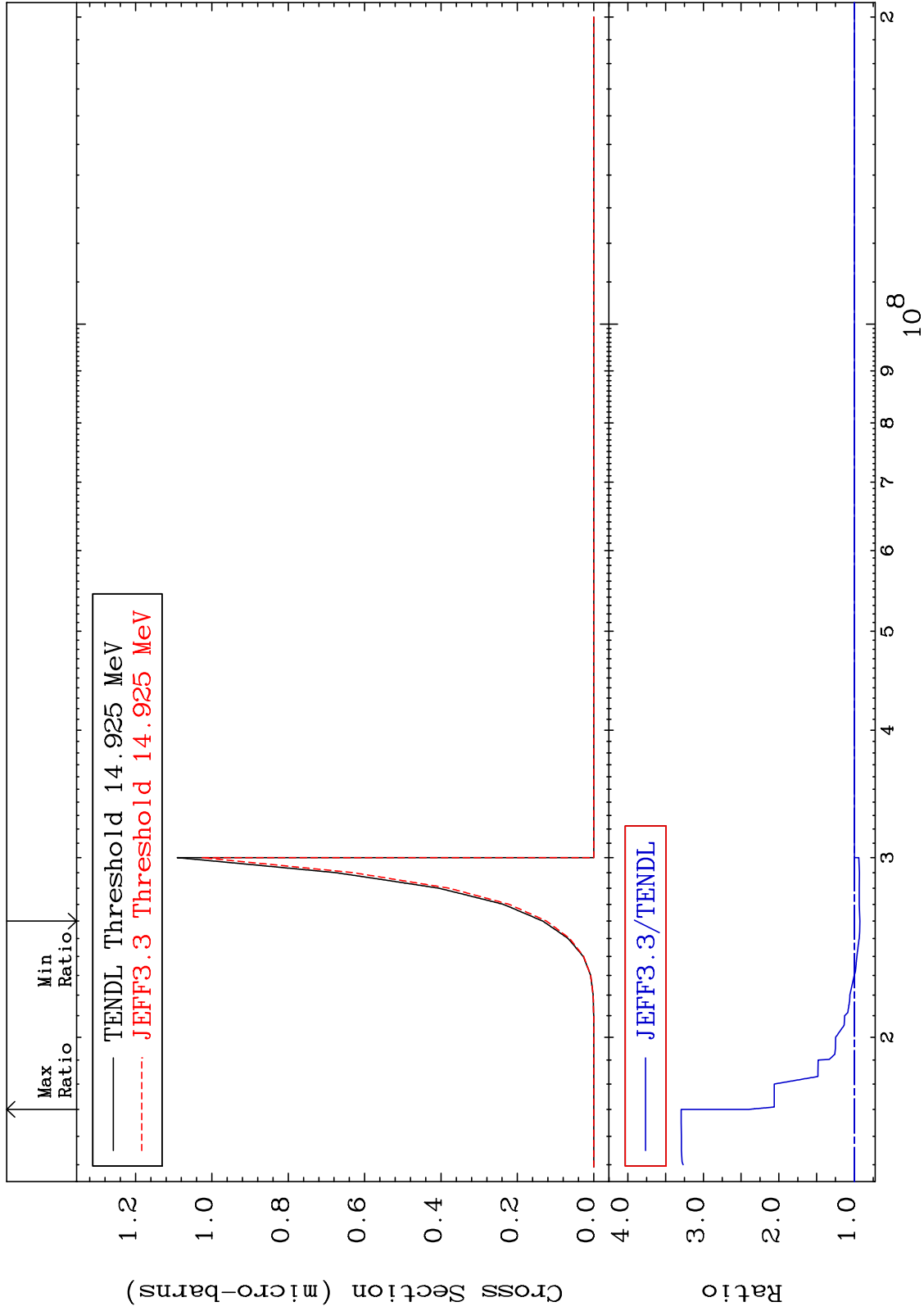
MAT 3443

(n,2α):30-Zn-73m3

34-Se-80

Radionuclide Production Cross Section -17.09 To 731.1 %



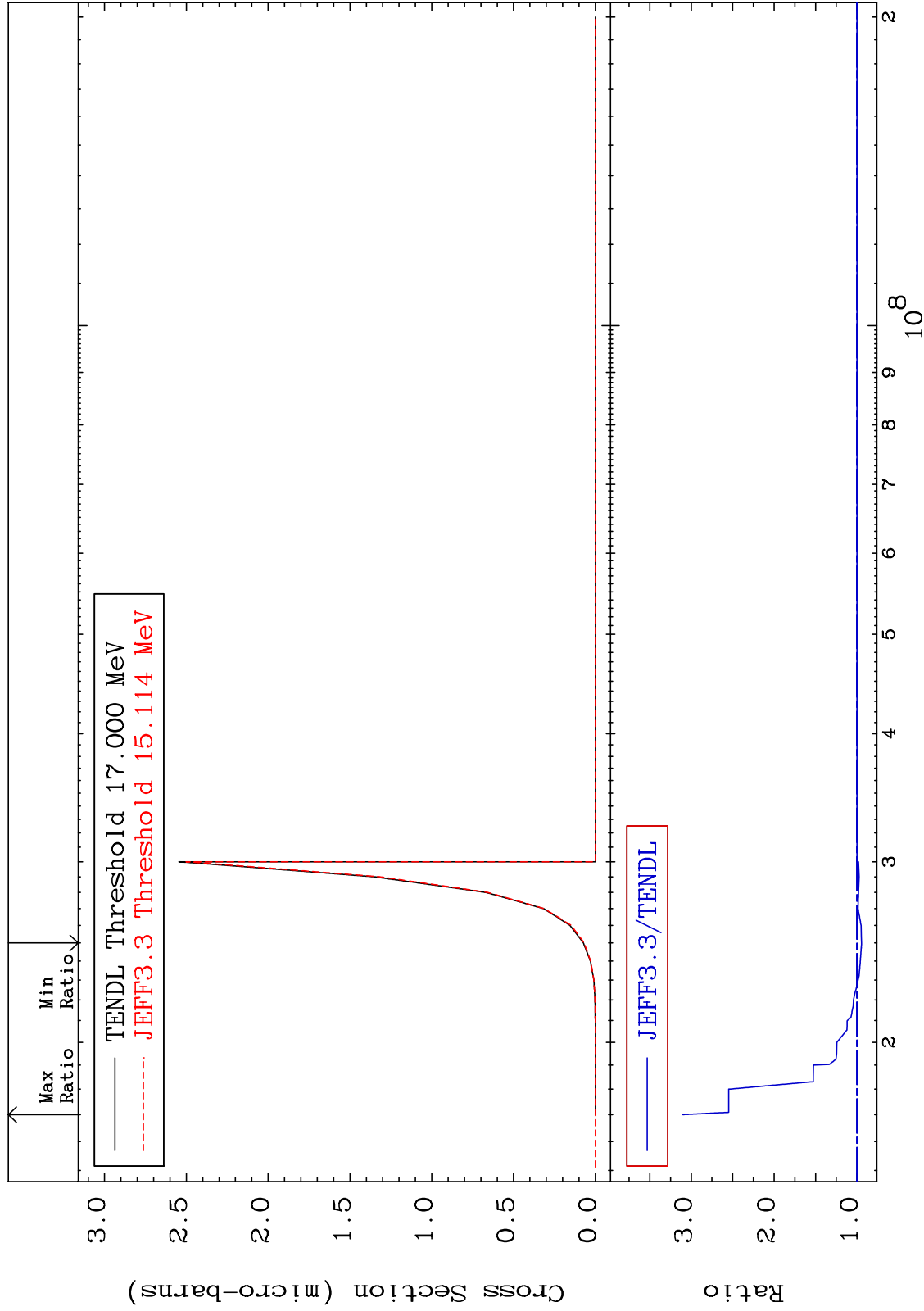


MAT 3443

(n,2p):32-Ge-79m1

34-^{Se}-80

Radionuclide Production Cross Section -5.537 To 210.1 %

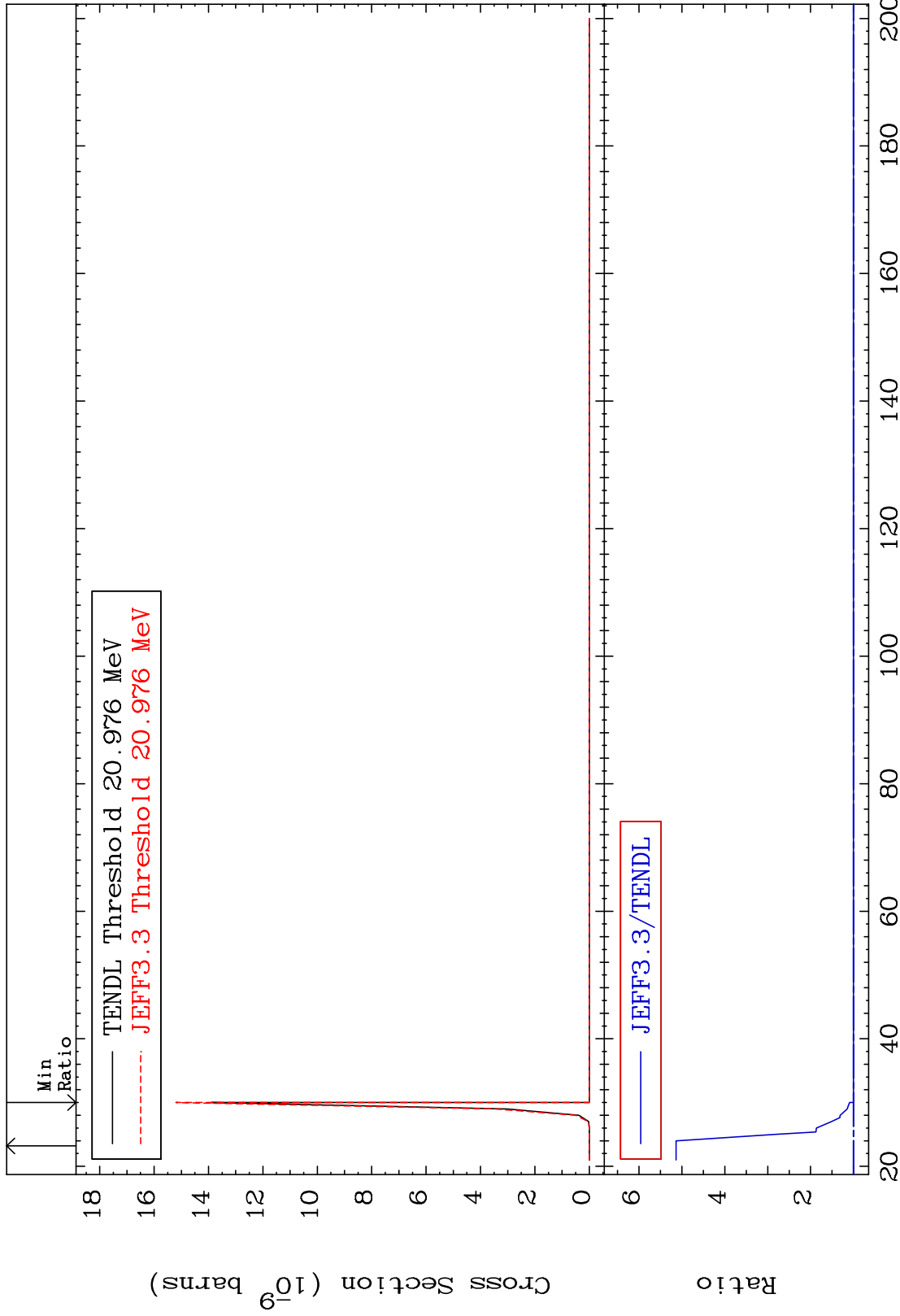


MAT 3443

(n, p) t:32-Ge-77g

34-^{Se}-80

Radionuclide Production Cross Section 0.000 To 413.6 %



34-^{Se}-80

Incident Energy (MeV)

93

MAT 3443

(n, p) t: 32-Ge-77m1

34-Se-80

Radionuclide Production Cross Section 0.000 To 618.6 %

