

Program Complot
(Version 2018-1)

by

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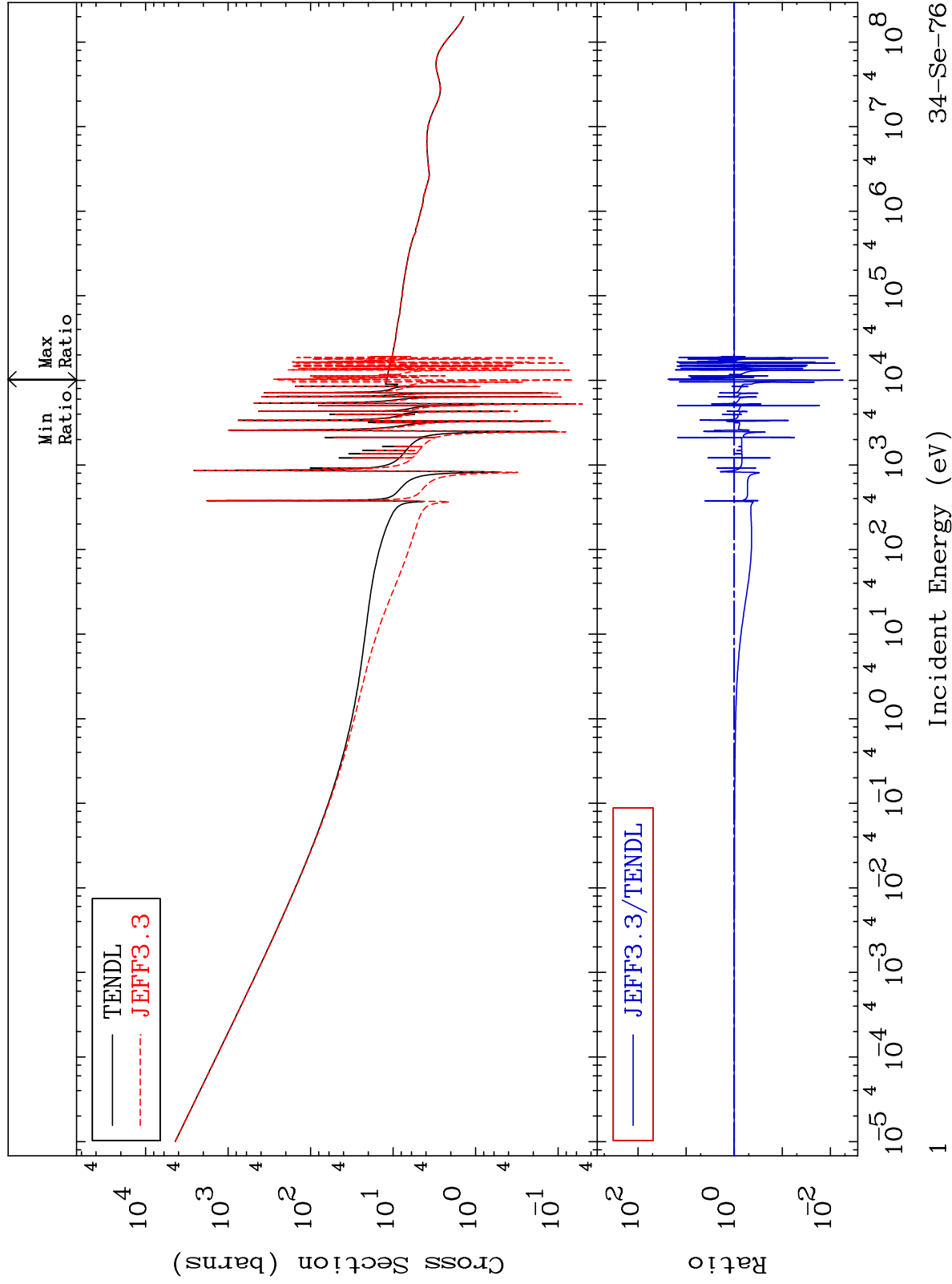
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3431

Total
Cross Section

34-Se-76
-99.45 To 2275. %



34-Se-76

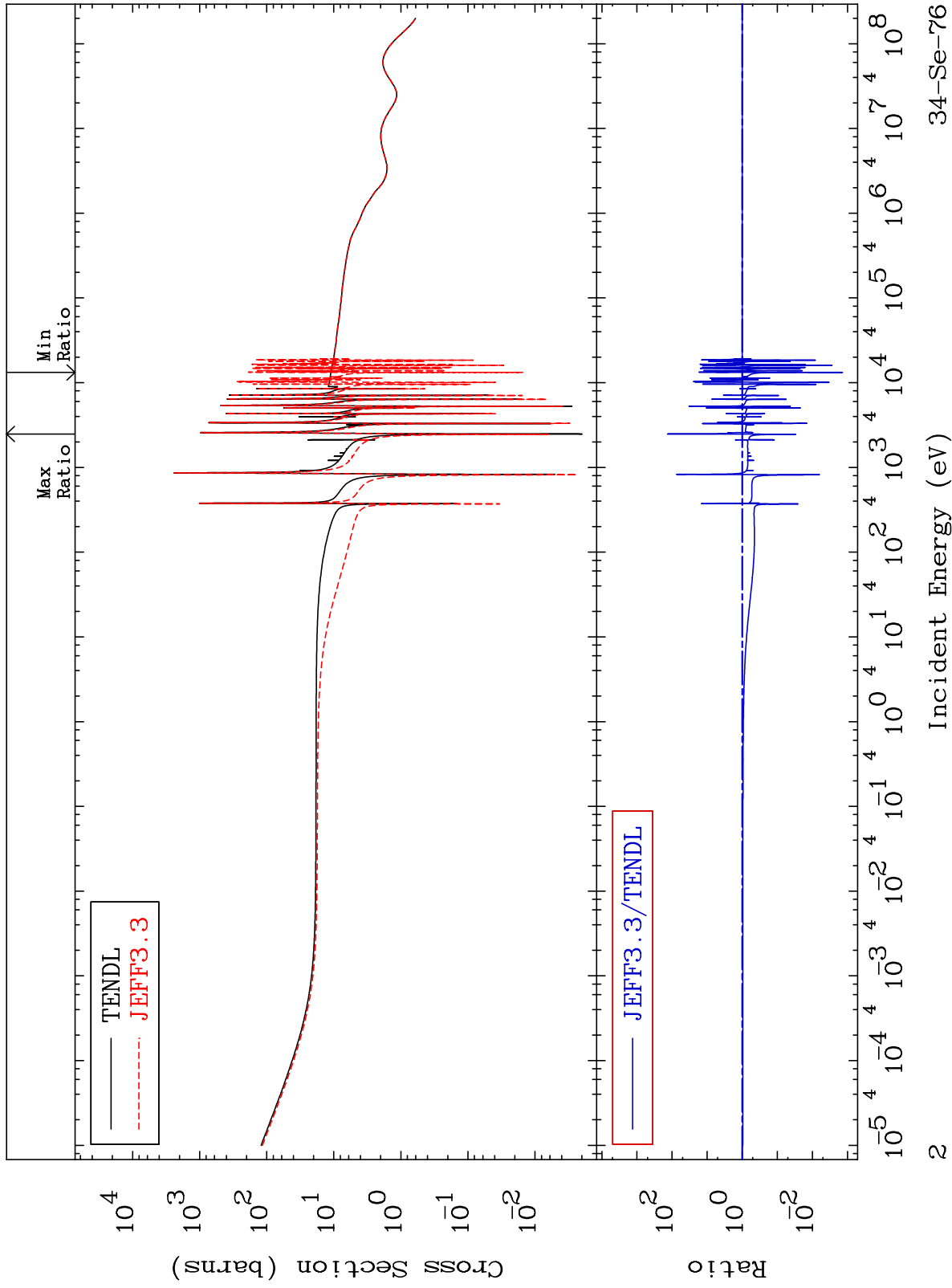
Incident Energy (eV)

1

MAT 3431

Elastic
Cross Section

34-Se-76
-99.86 To 9999. %



34-Se-76

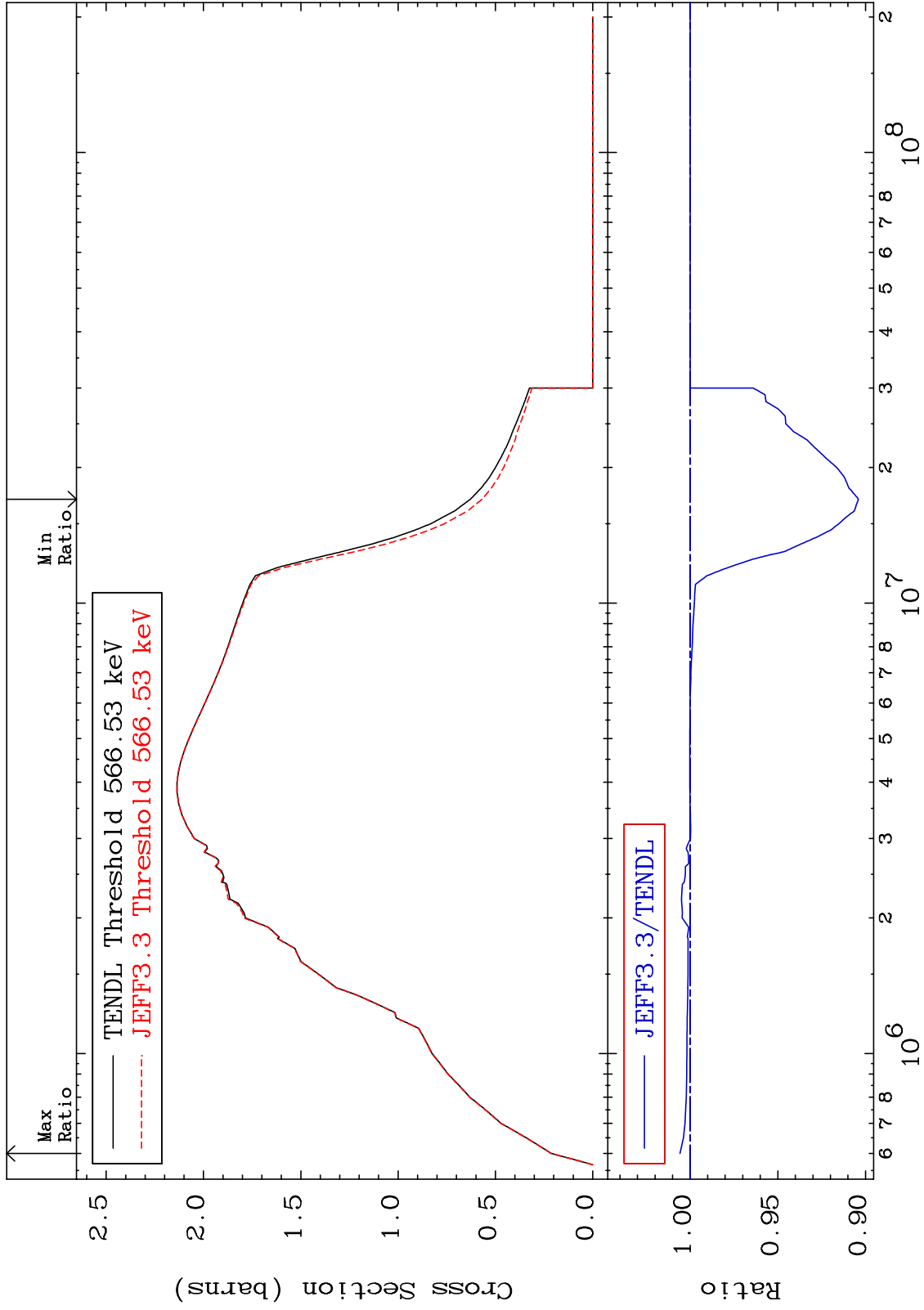
MAT 3431

Inelastic

34-Se-76

Cross Section

-9.593 To 0.575 %



3

Incident Energy (eV)

34-Se-76

MAT 3431

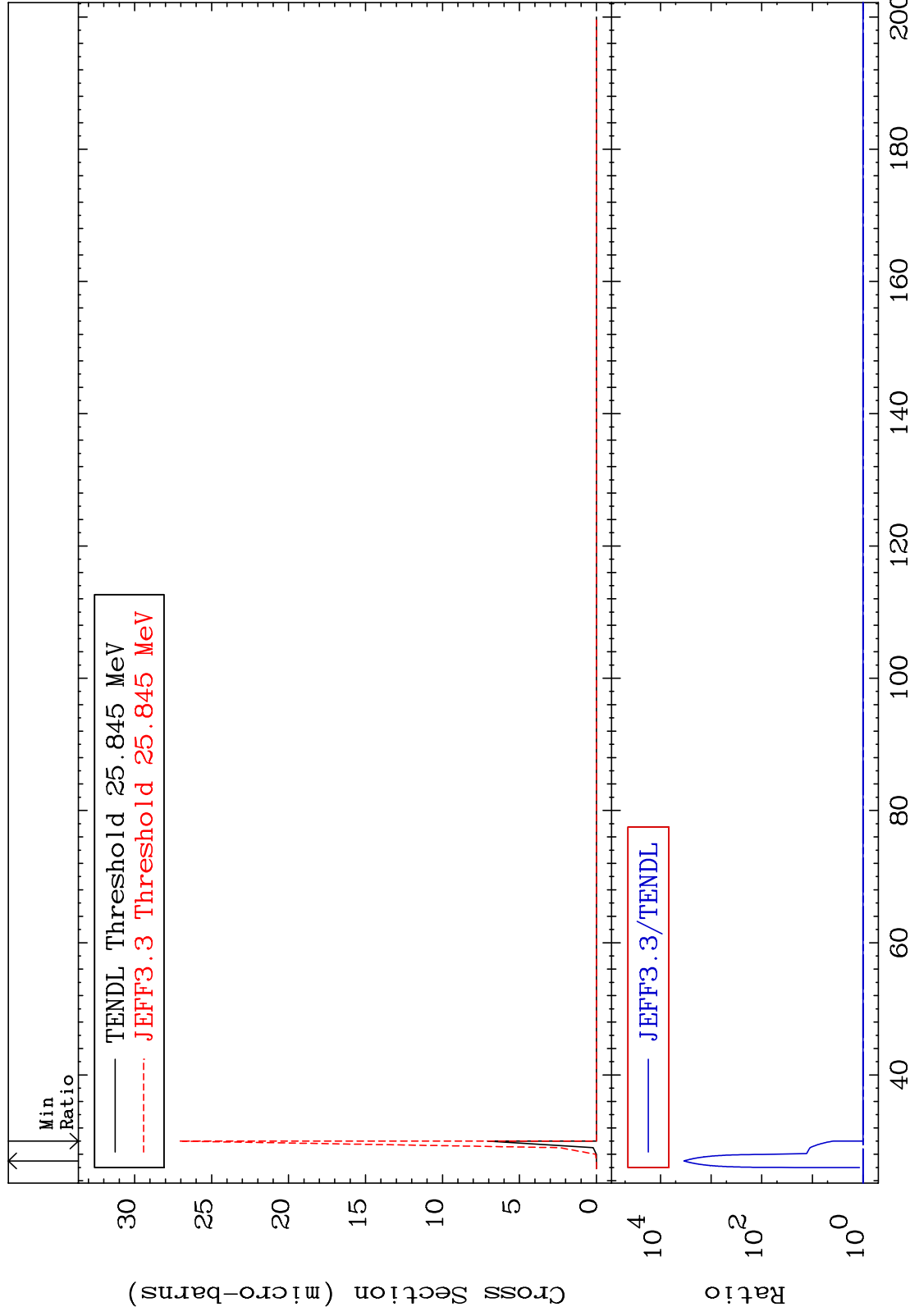
(n,2n) d

³⁴Se-76

Cross Section

0.000

To 9999. %



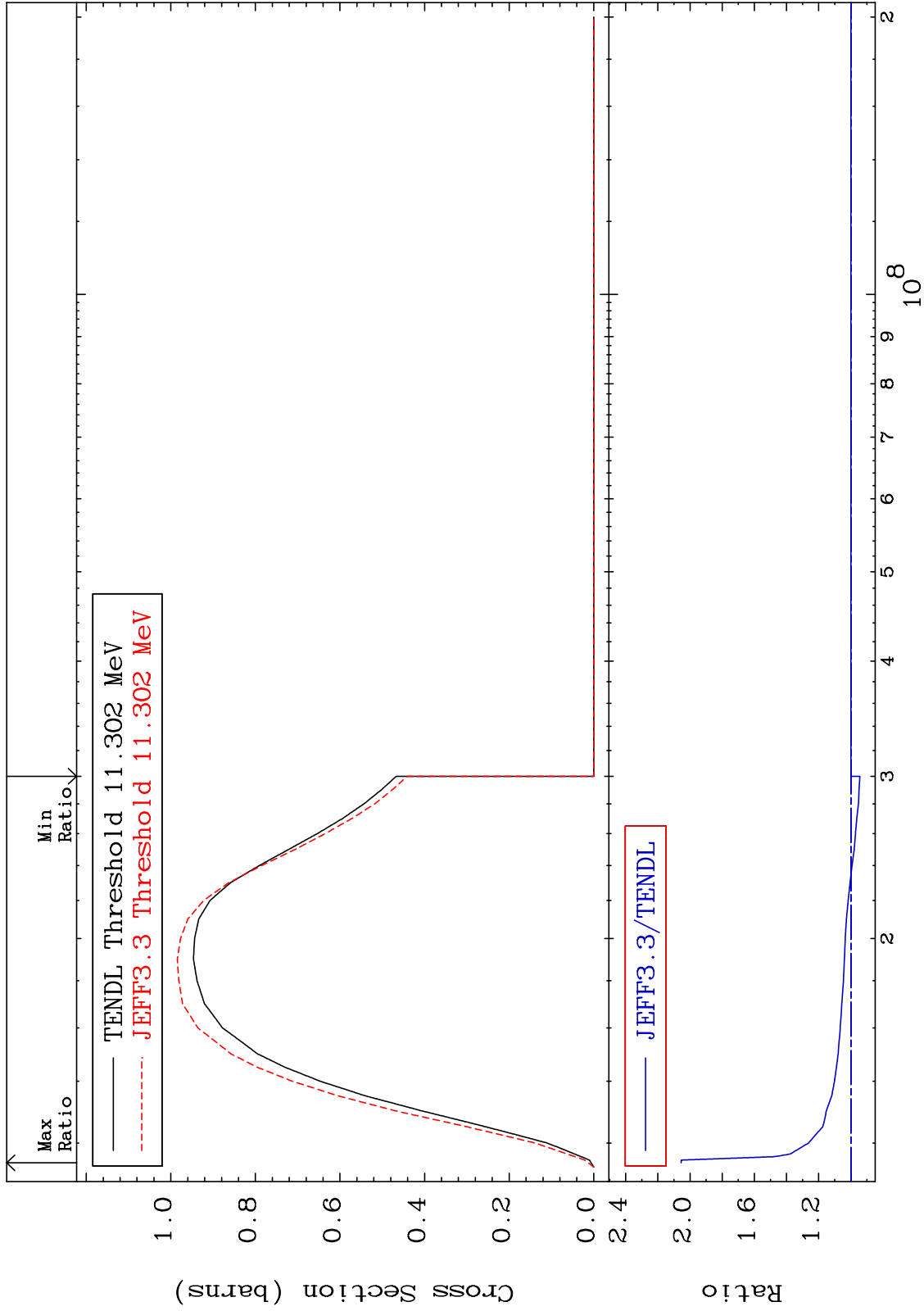
MAT 3431

(n,2n)

³⁴Se-76

Cross Section

-5.653 To 105.5 %



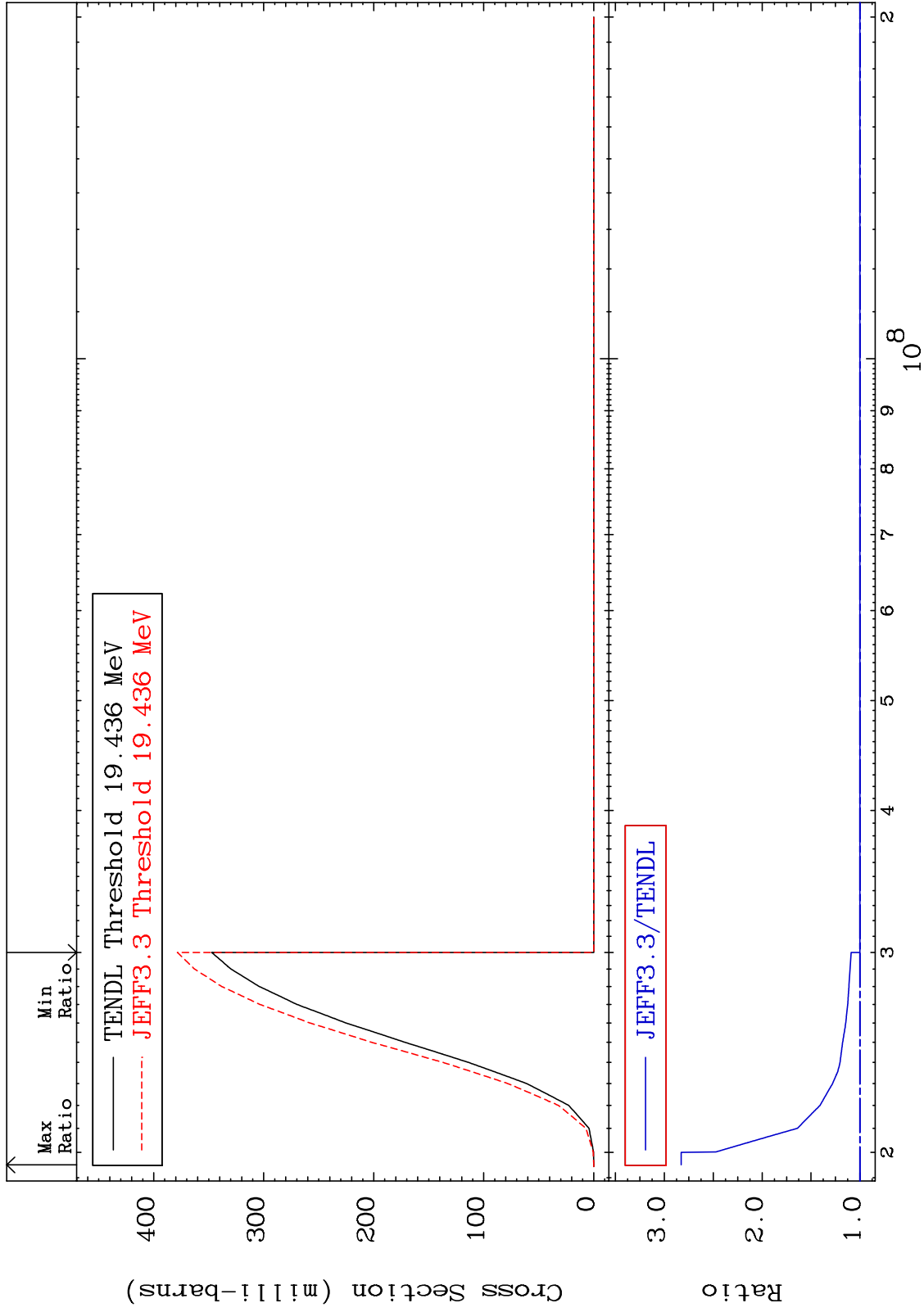
MAT 3431

(n,3n)

³⁴Se-76

Cross Section

0.000 To 182.7 %



6

Incident Energy (eV)

³⁴Se-76

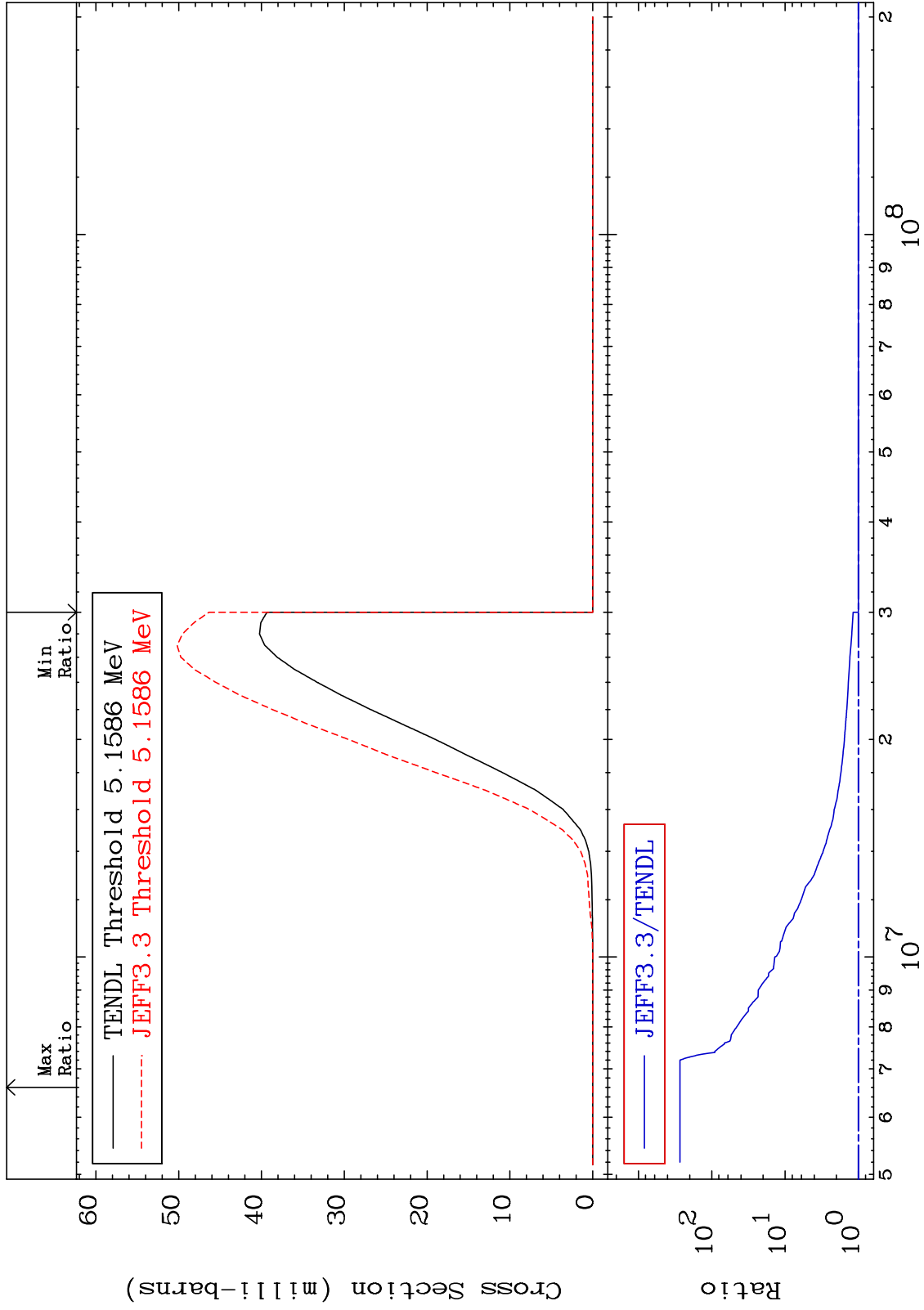
MAT 3431

(n,n') α

³⁴Se-76

0.000 To 9999. %

Cross Section



7

Incident Energy (eV)

³⁴Se-76

MAT 3431

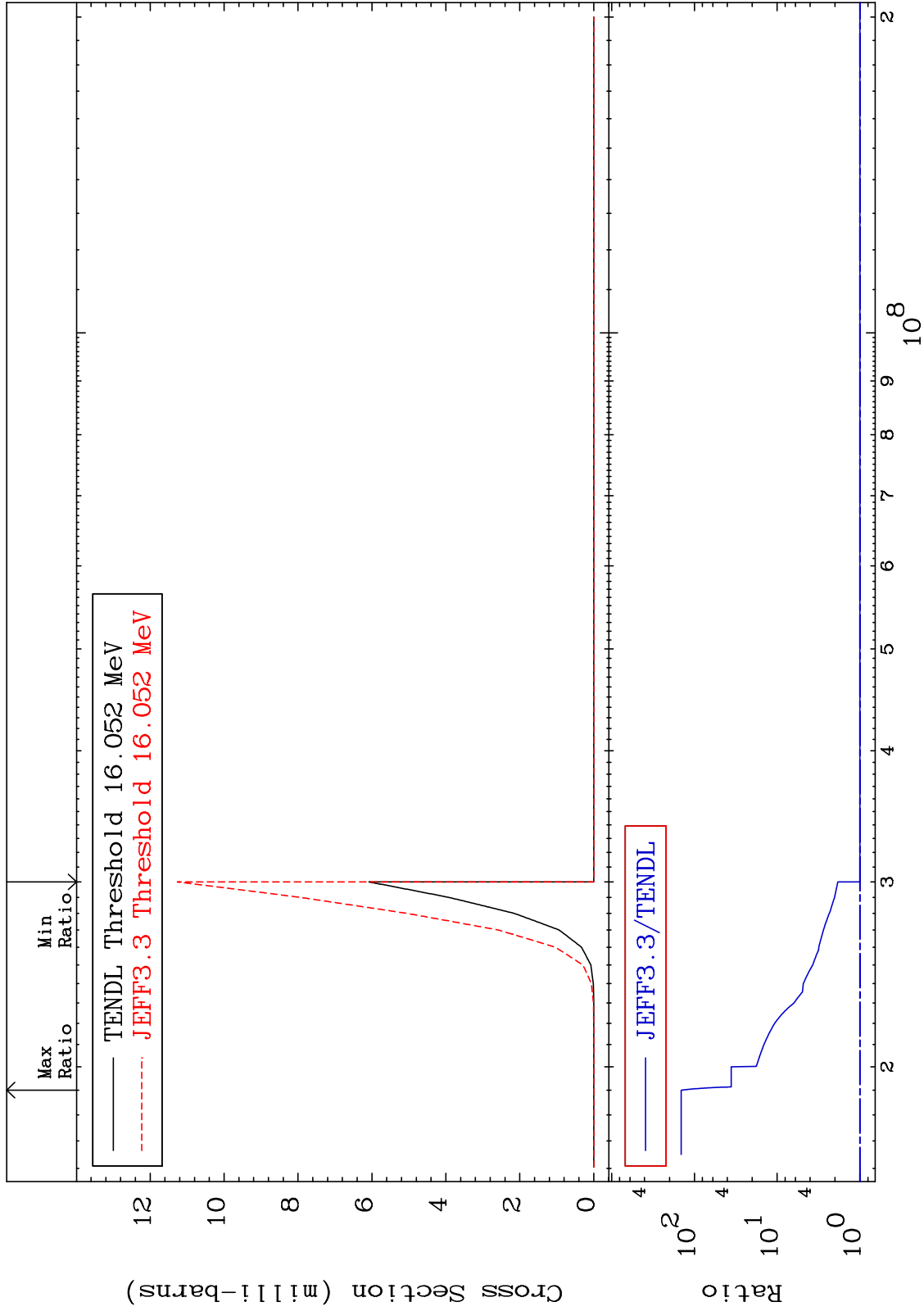
(n,2n) α

³⁴Se-76

Cross Section

0.000

To 9999. %



Incident Energy (eV)

³⁴Se-76

MAT 3431

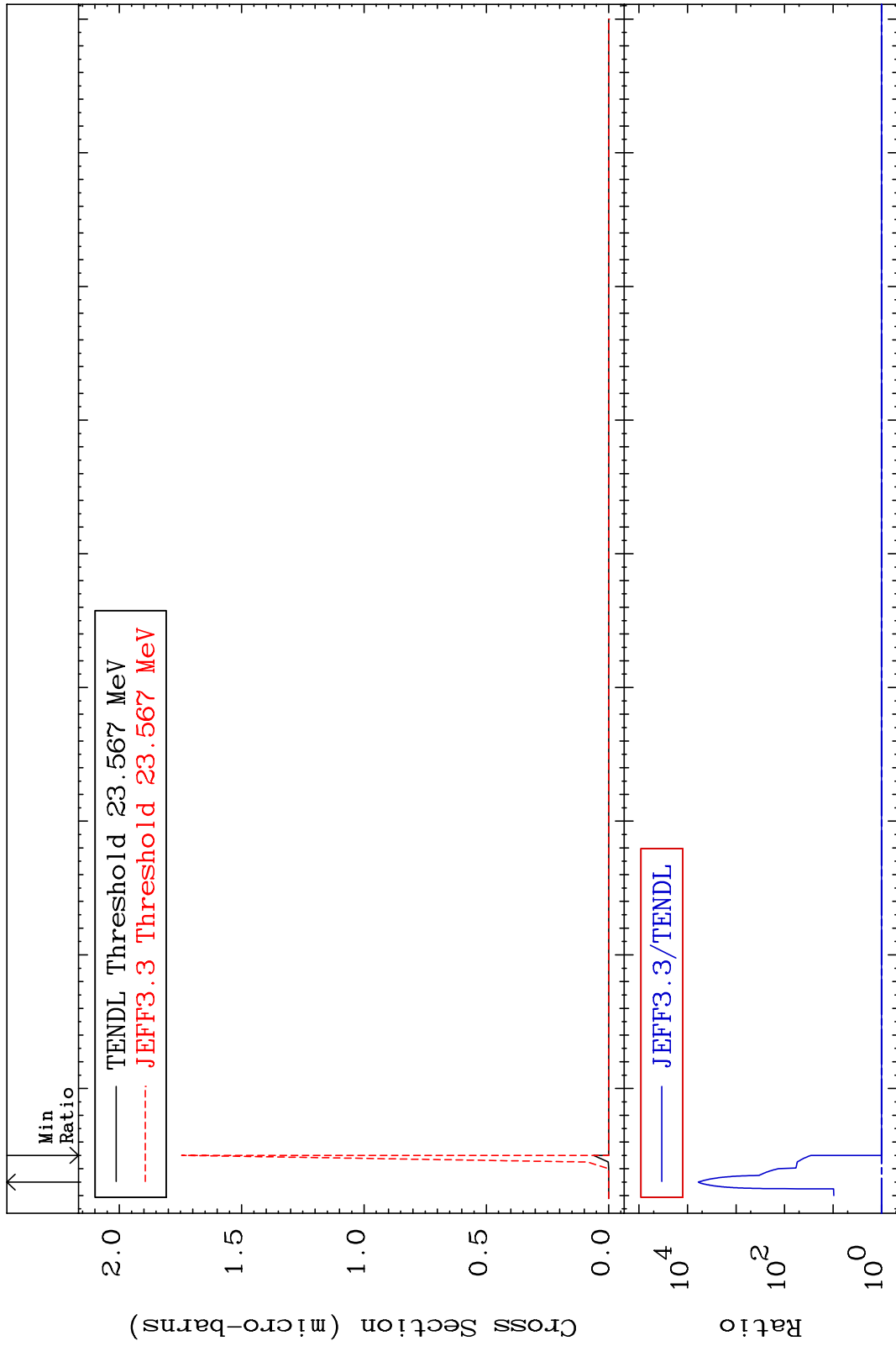
(n,3n) α

³⁴Se-76

Cross Section

0.000

To 9999. %

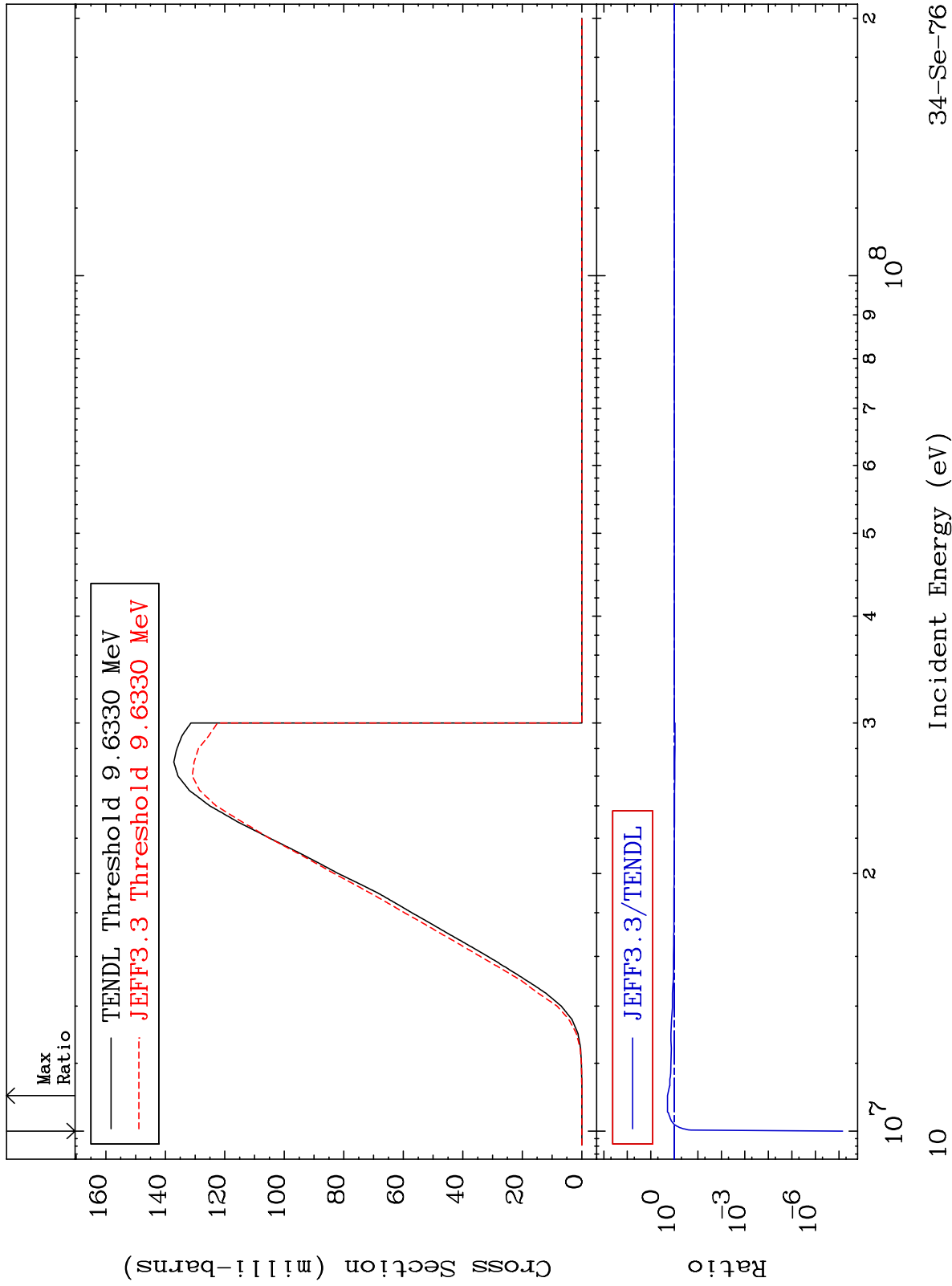


³⁴Se-76

MAT 3431

(n,n') p
Cross Section

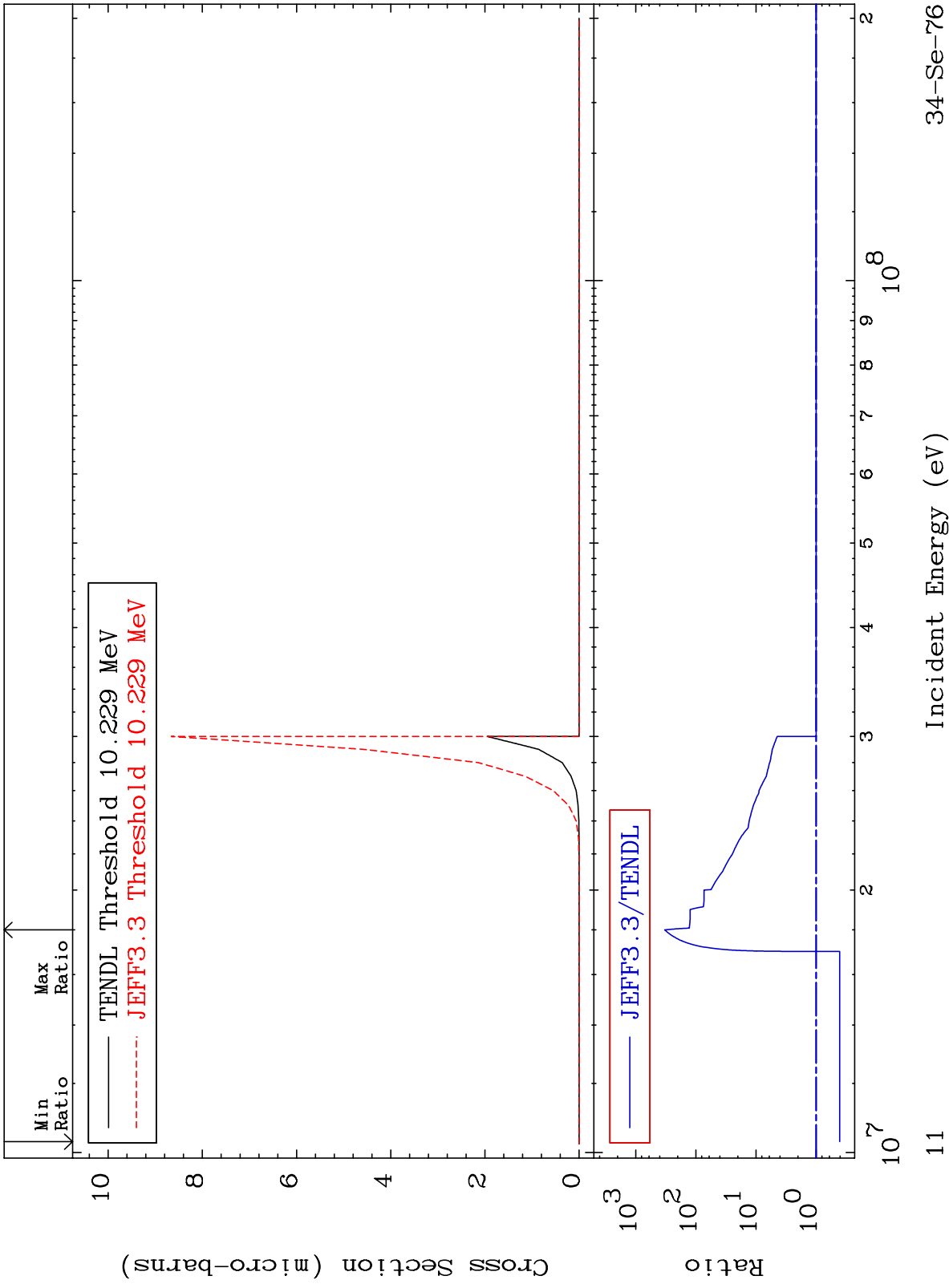
34-Se-76
-100.0 To 94.21 %



MAT 3431

(n,n') 2α
Cross Section

34-Se-76
-59.44 To 9999. %



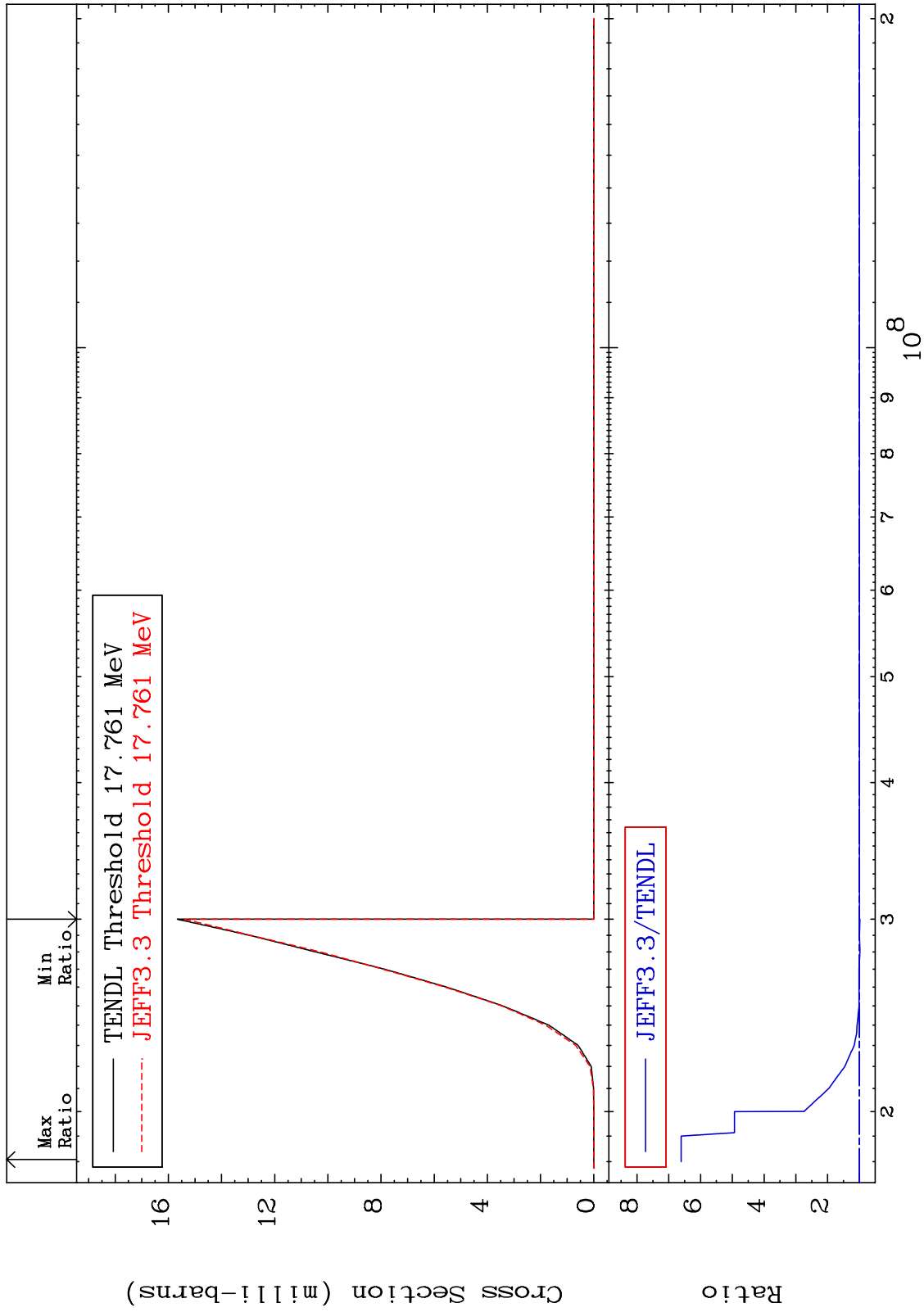
MAT 3431

(n,n') d

³⁴Se-76

Cross Section

-1.739 To 560.8 %



12

Incident Energy (eV)

³⁴Se-76

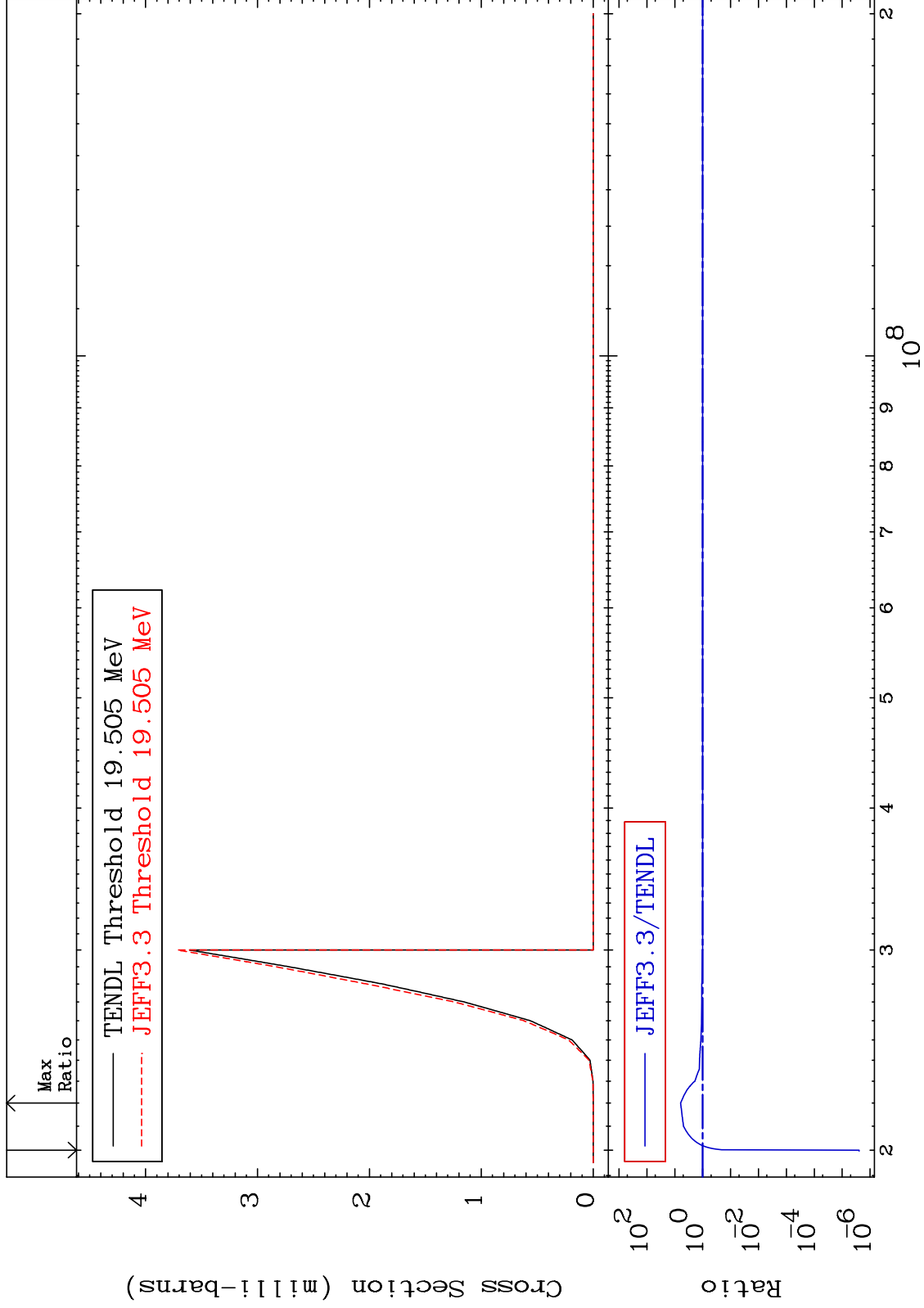
MAT 3431

(n,n') t

³⁴Se-76

Cross Section

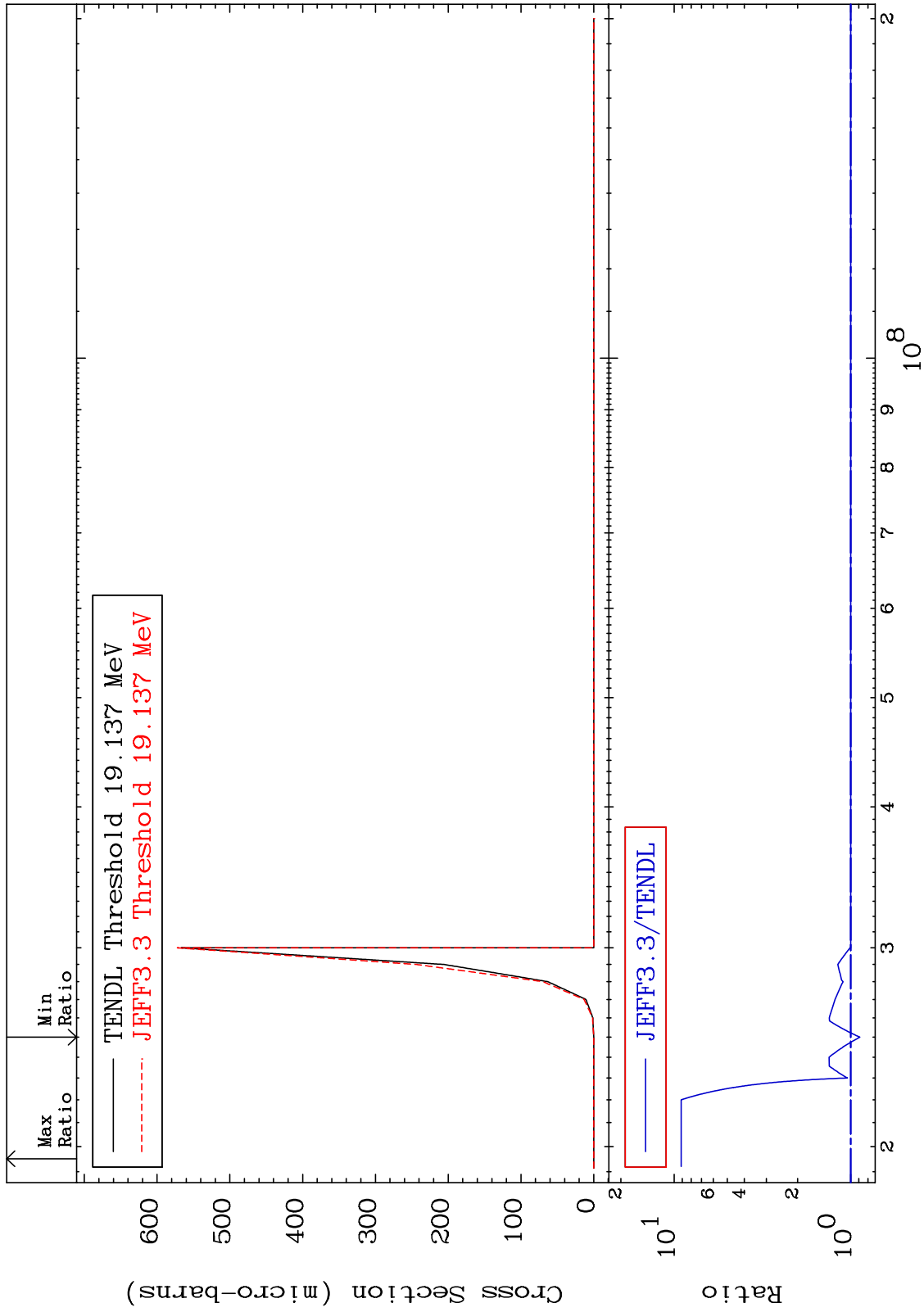
-100.0 To 517.7 %



MAT 3431

(n, n') He-3
Cross Section

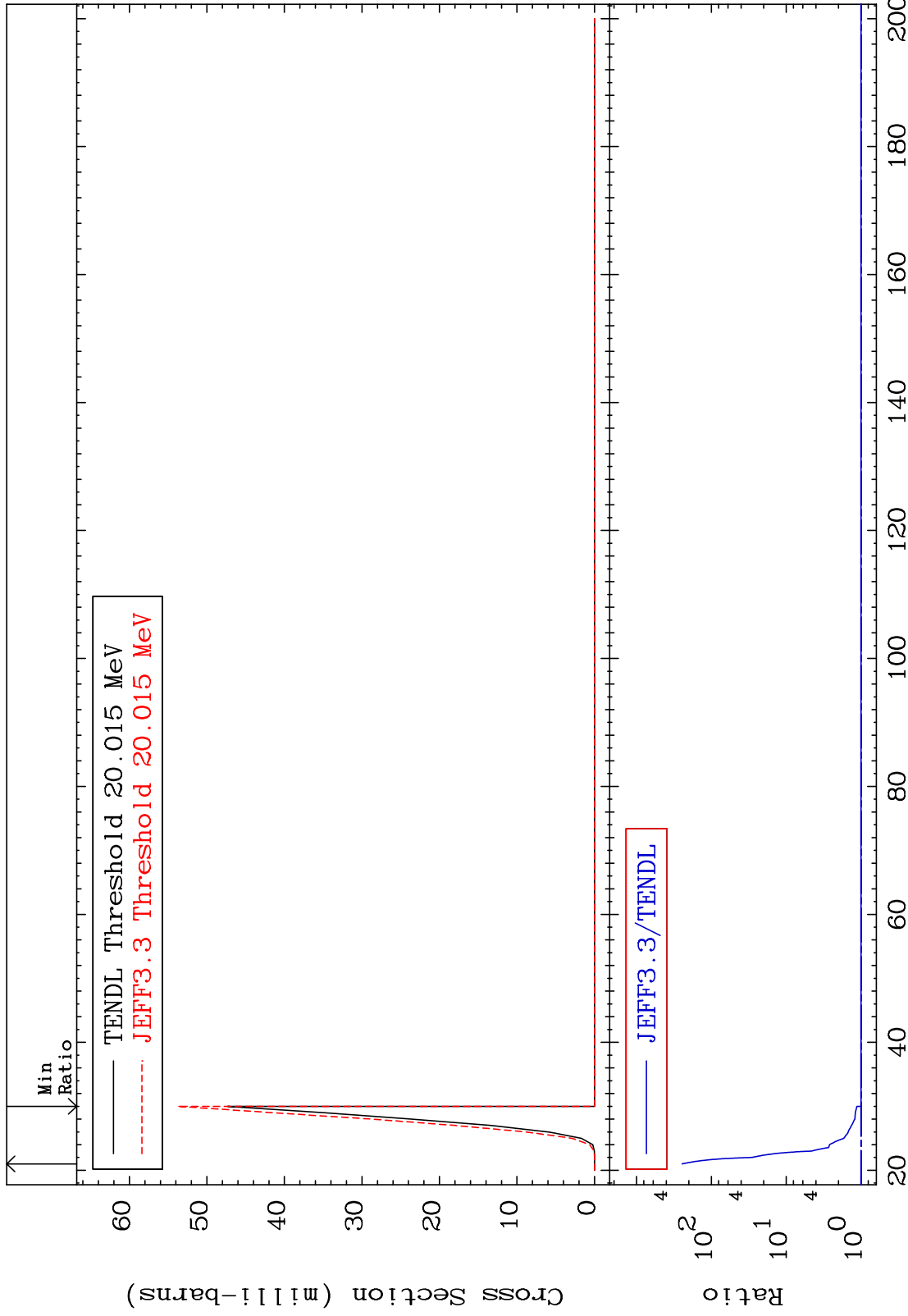
34-Se-76
-11.26 To 810.8 %



MAT 3431

(n,2n) p
Cross Section

34-Se-76
0.000 To 9999. %



15

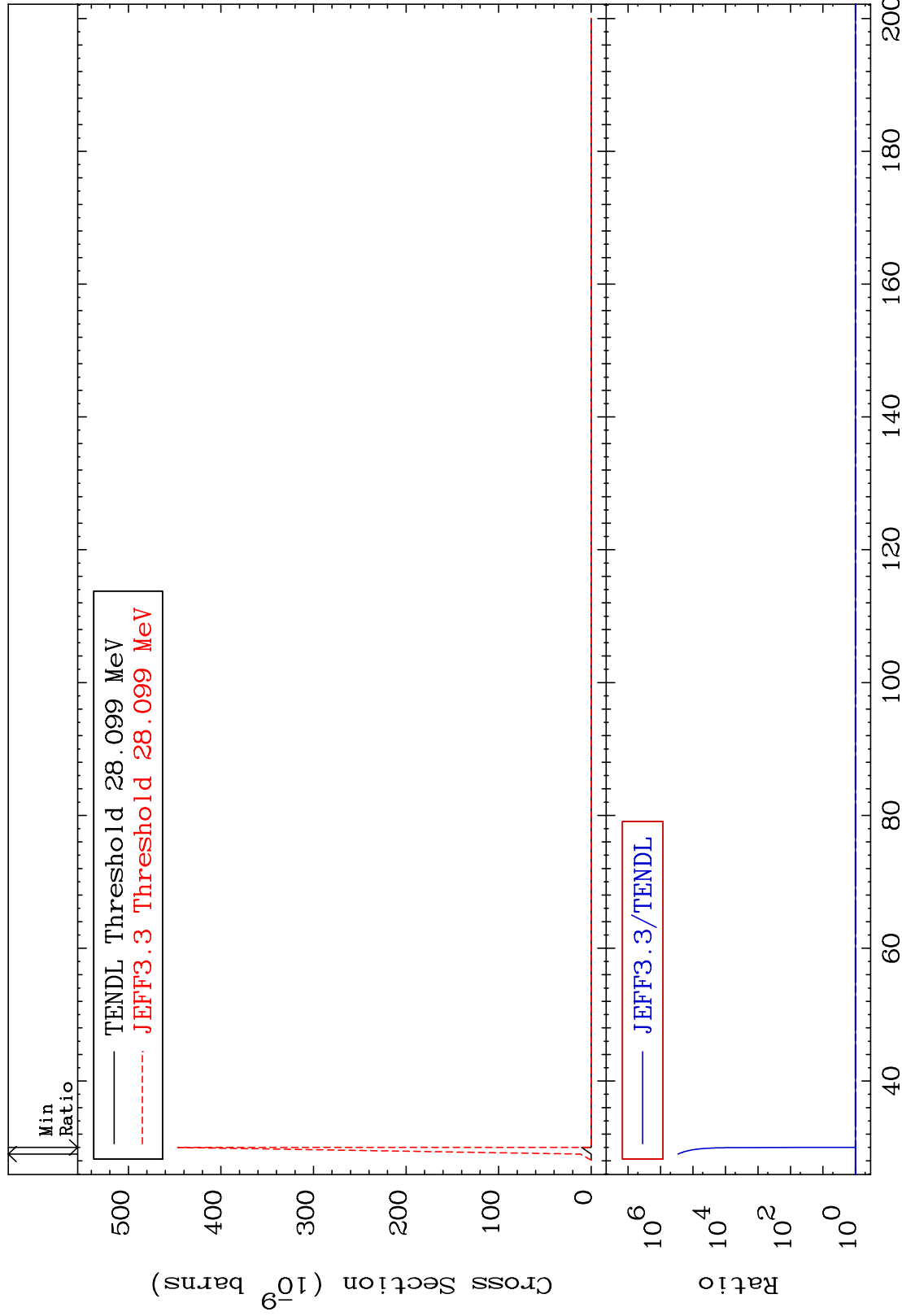
Incident Energy (MeV)

34-Se-76

MAT 3431

(n,3n) p
Cross Section

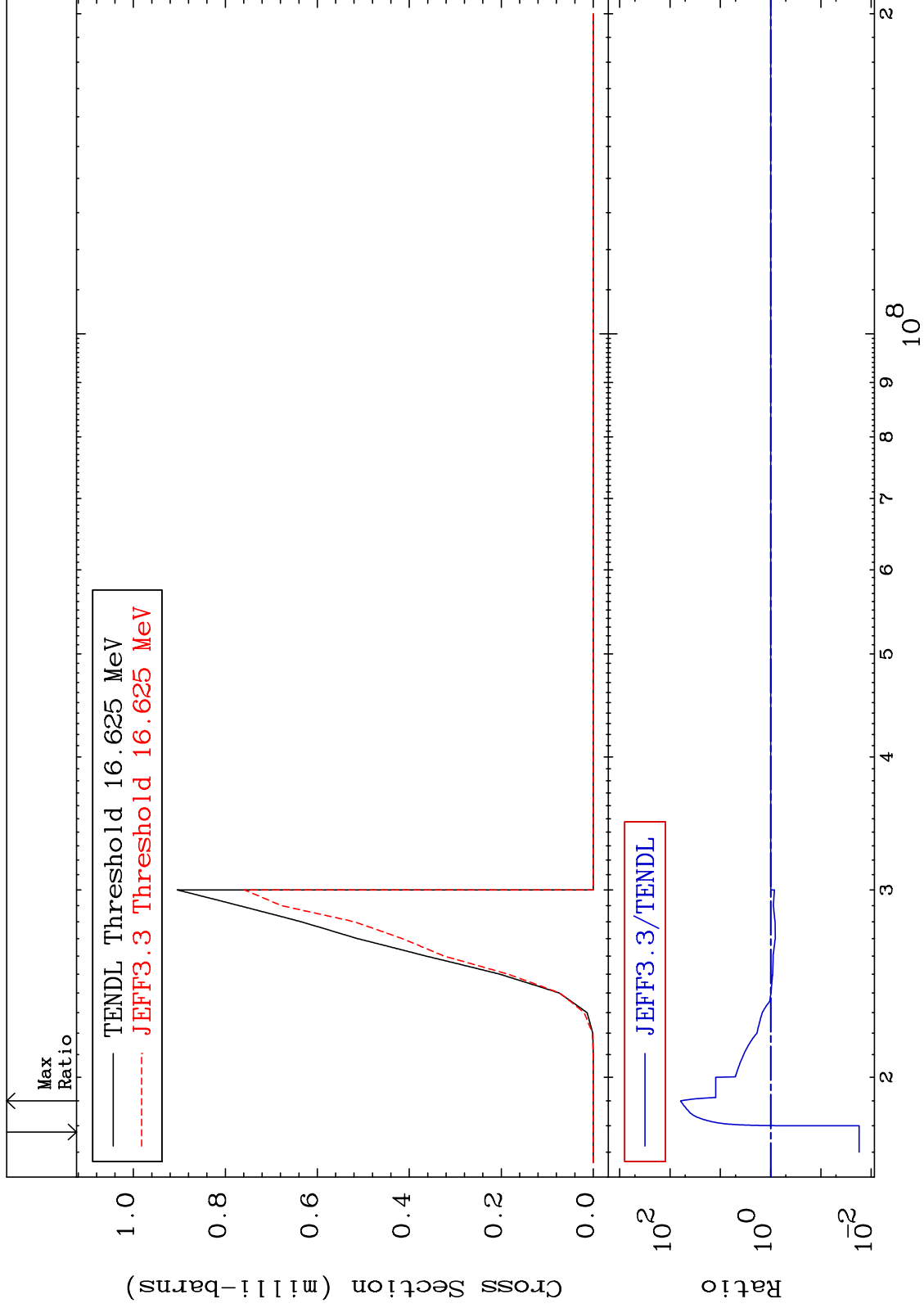
34-Se-76
0.000 To 9999. %



MAT 3431

(n,2n) p
Cross Section

³⁴Se-76
-98.27 To 6059. %



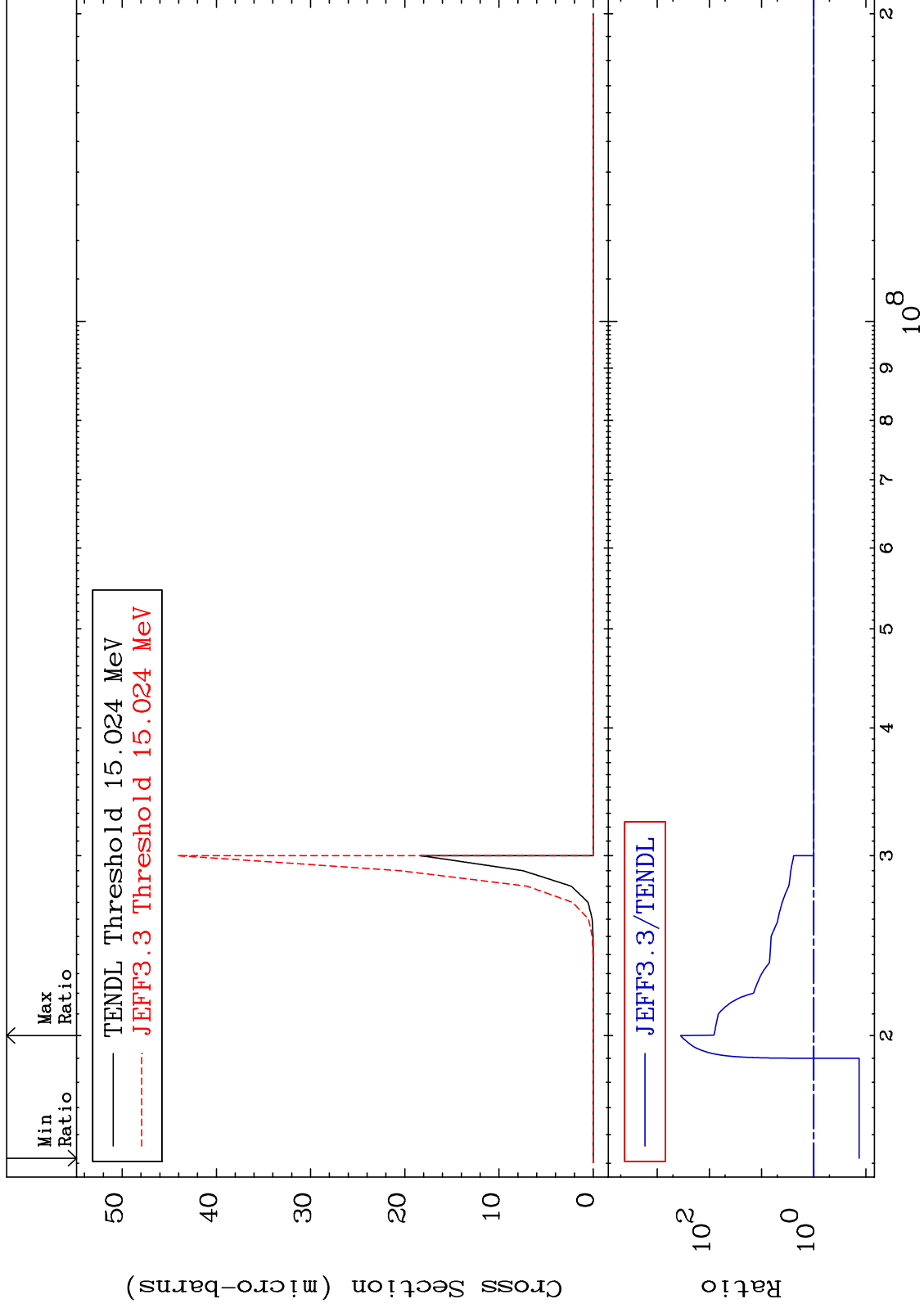
³⁴Se-76

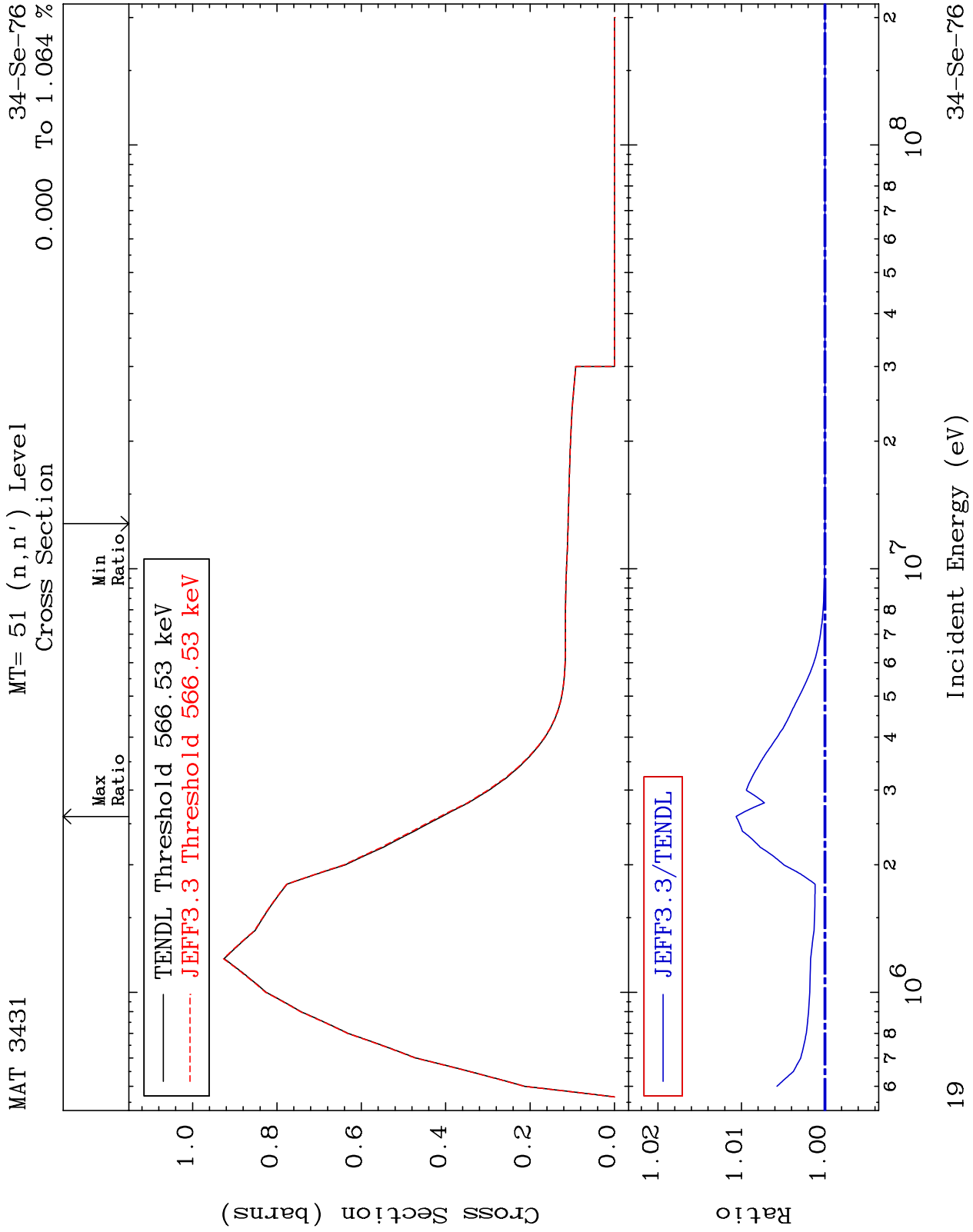
Incident Energy (eV)

MAT 3431

(n,n') p α
Cross Section

34-Se-76
-86.58 To 9999. %

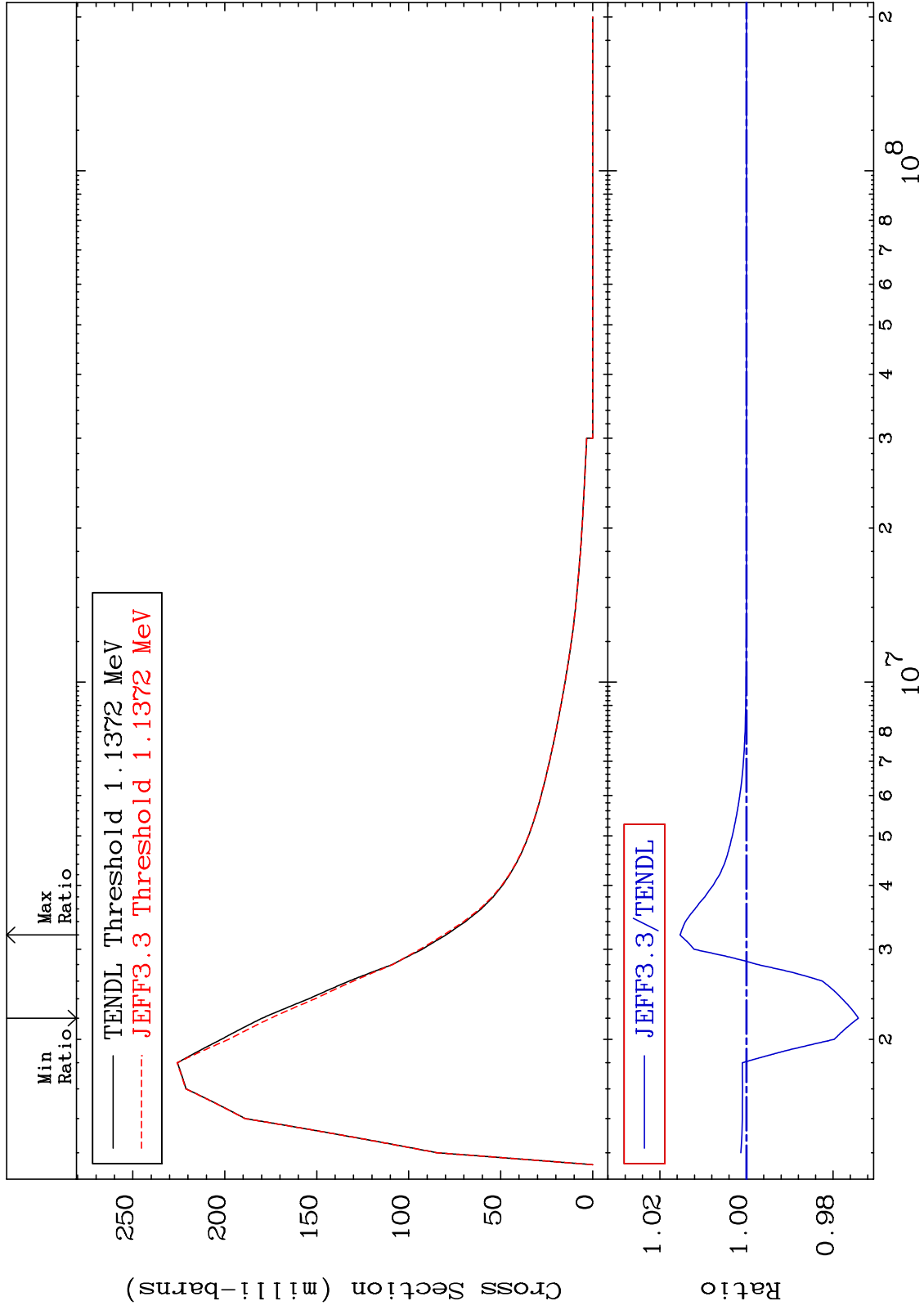




MAT 3431

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

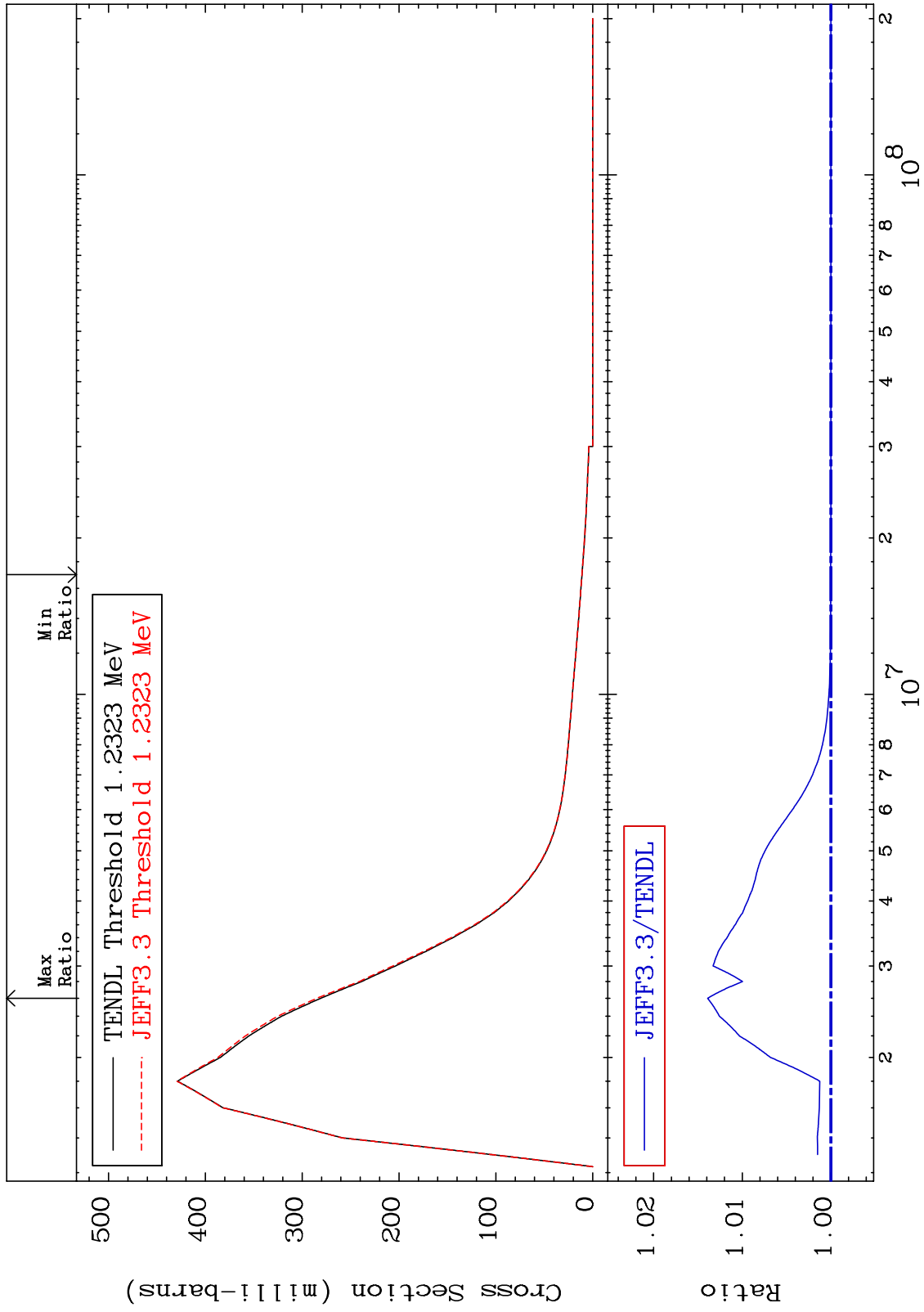
34-Se-76
-2.587 To 1.534 %



MAT 3431

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

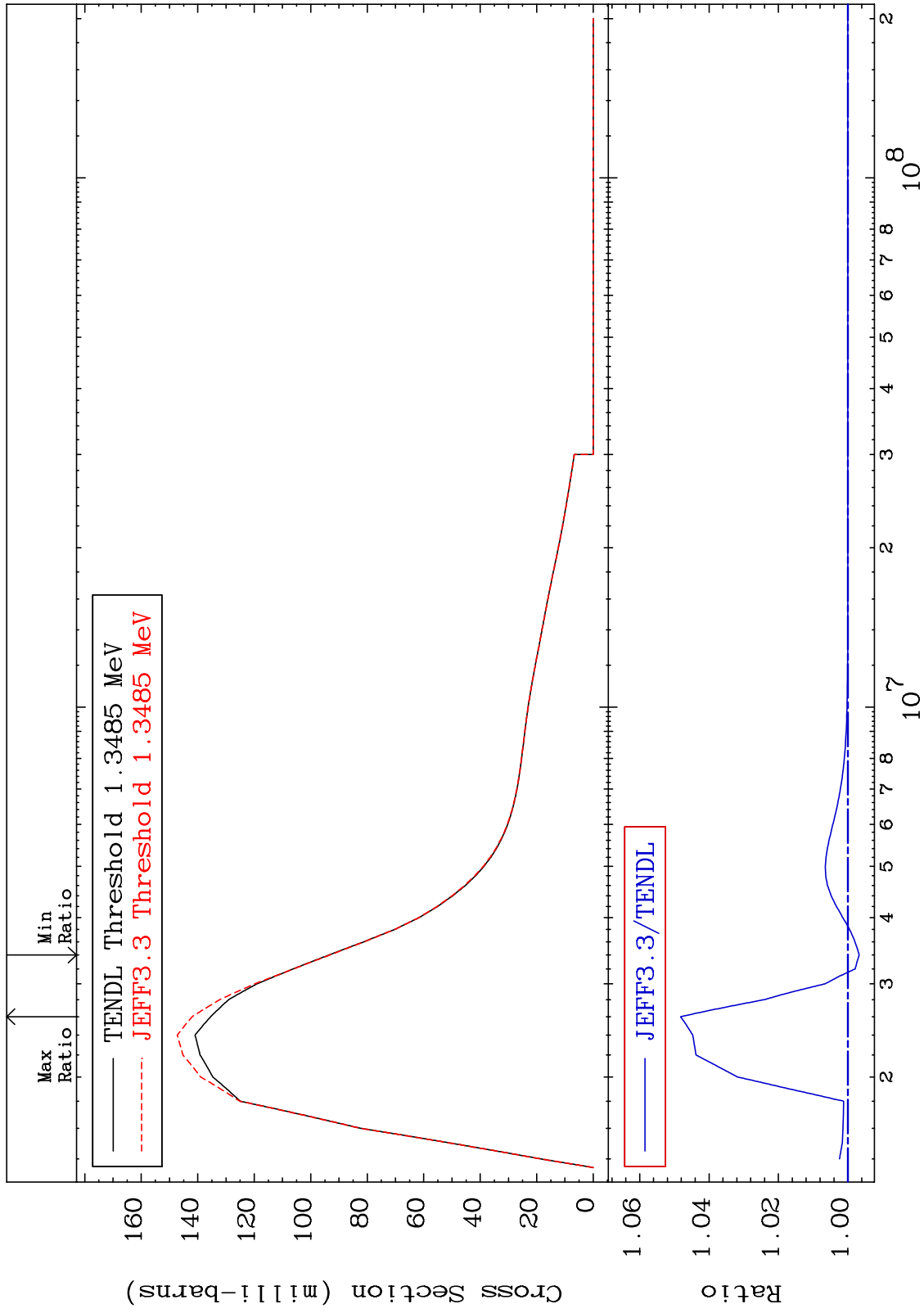
0.000 To 1.391 %
34-Se-76



MAT 3431

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

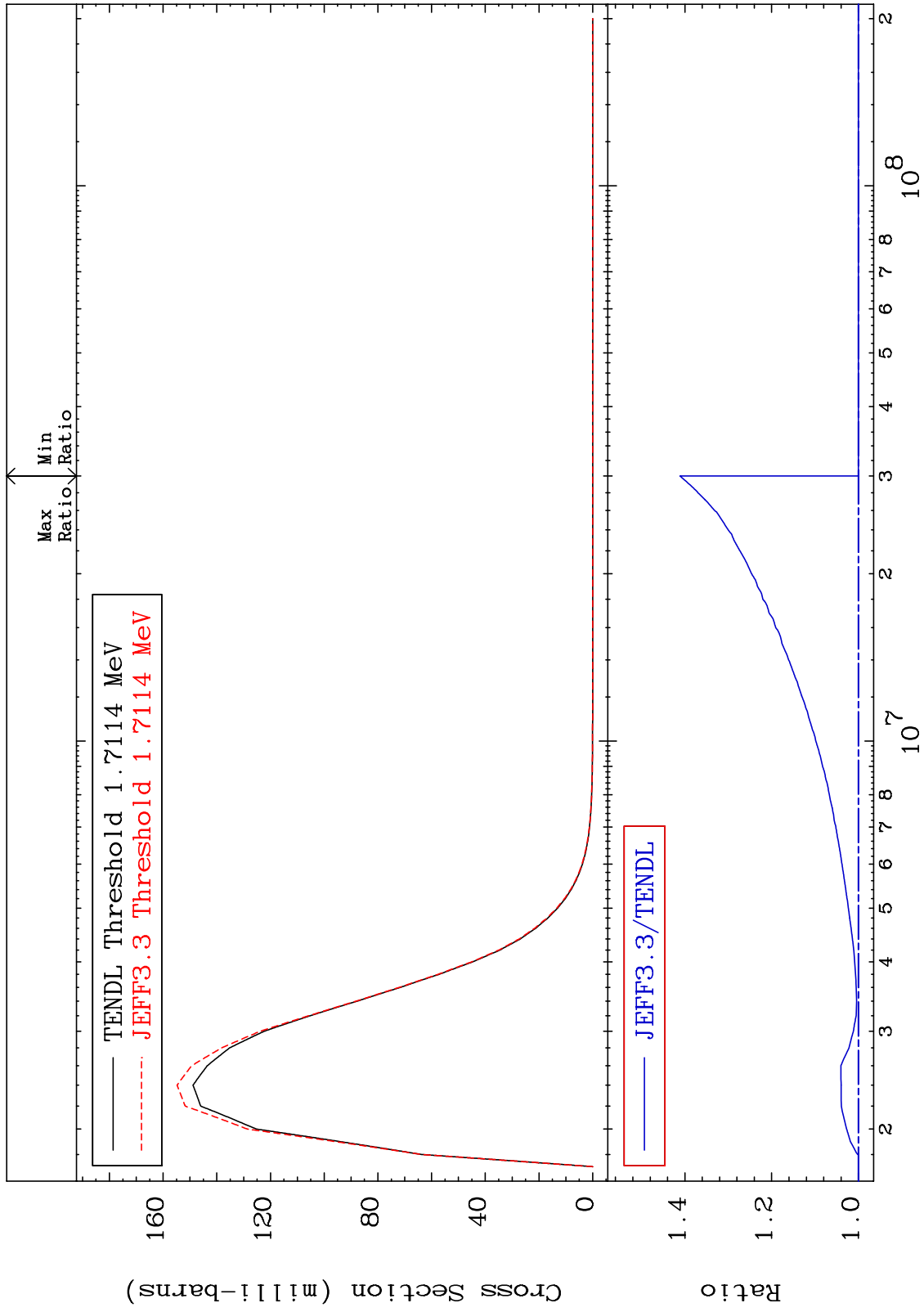
34-Se-76
-0.328 To 4.820 %



MAT 3431

MT= 55 (n,n') Level
Cross Section

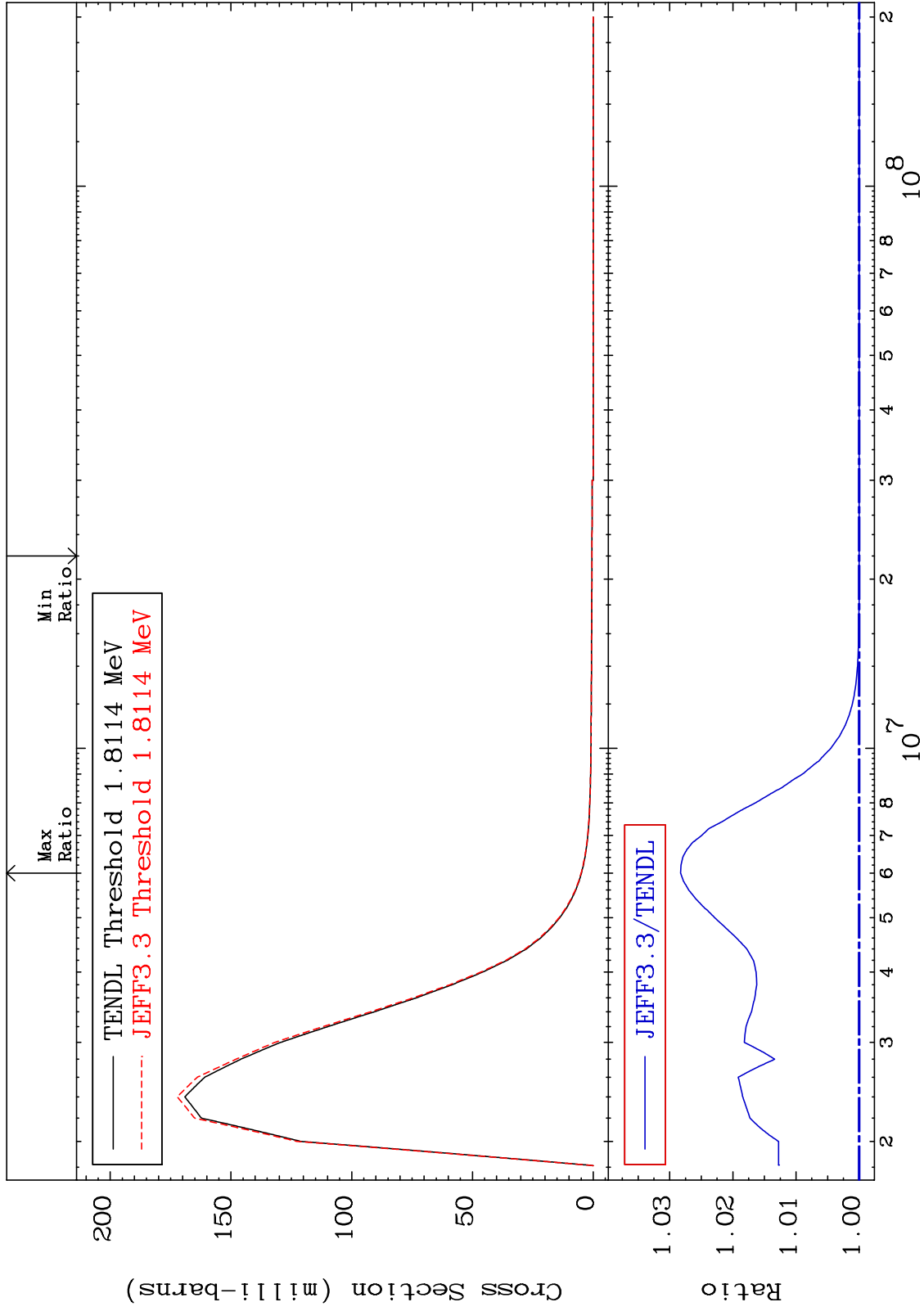
34-Se-76
0.000 To 41.12 %



MAT 3431

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

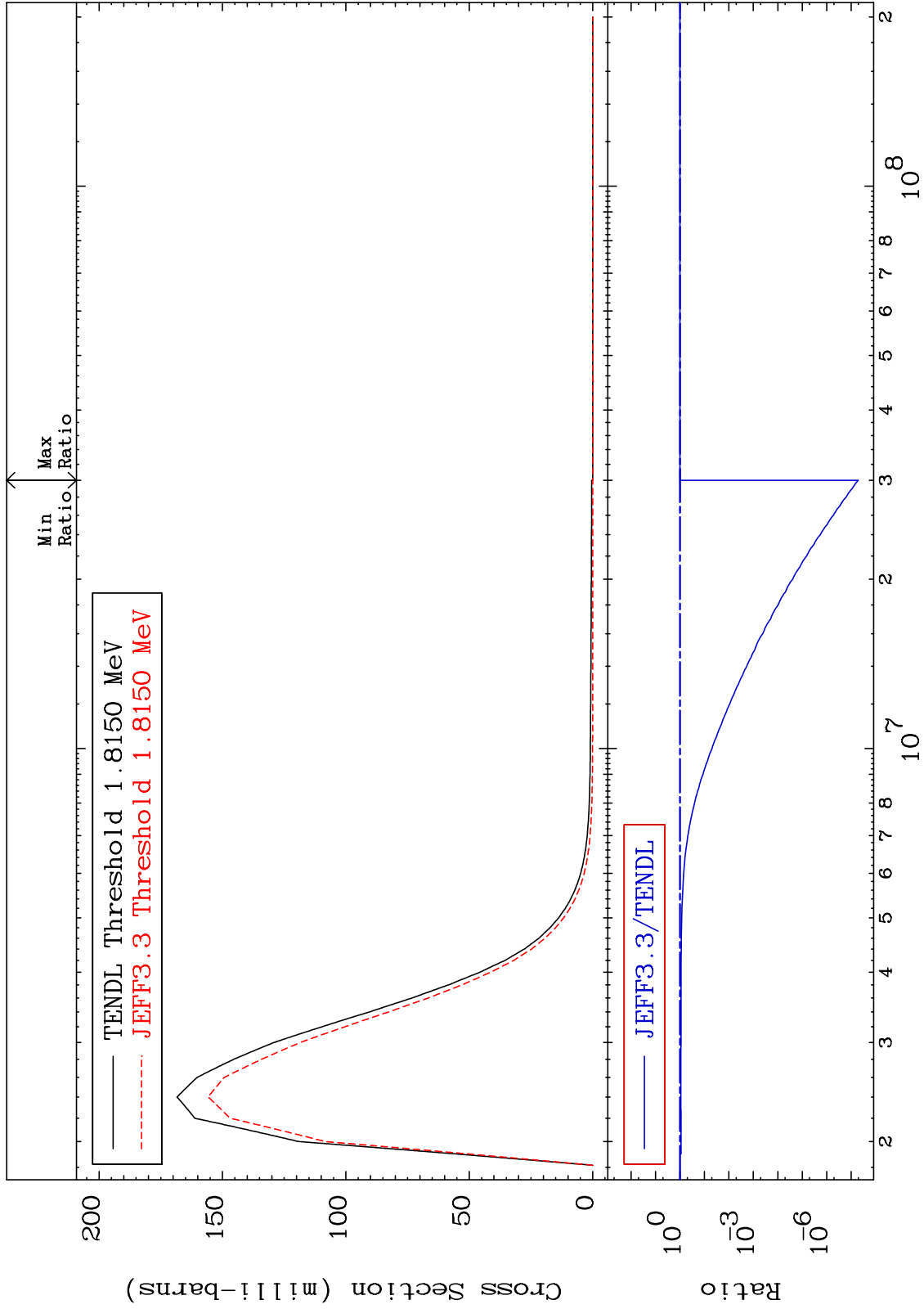
34-Se-76
0.000 To 2.827 %



MAT 3431

MT= 57 (n, n') Level
Cross Section

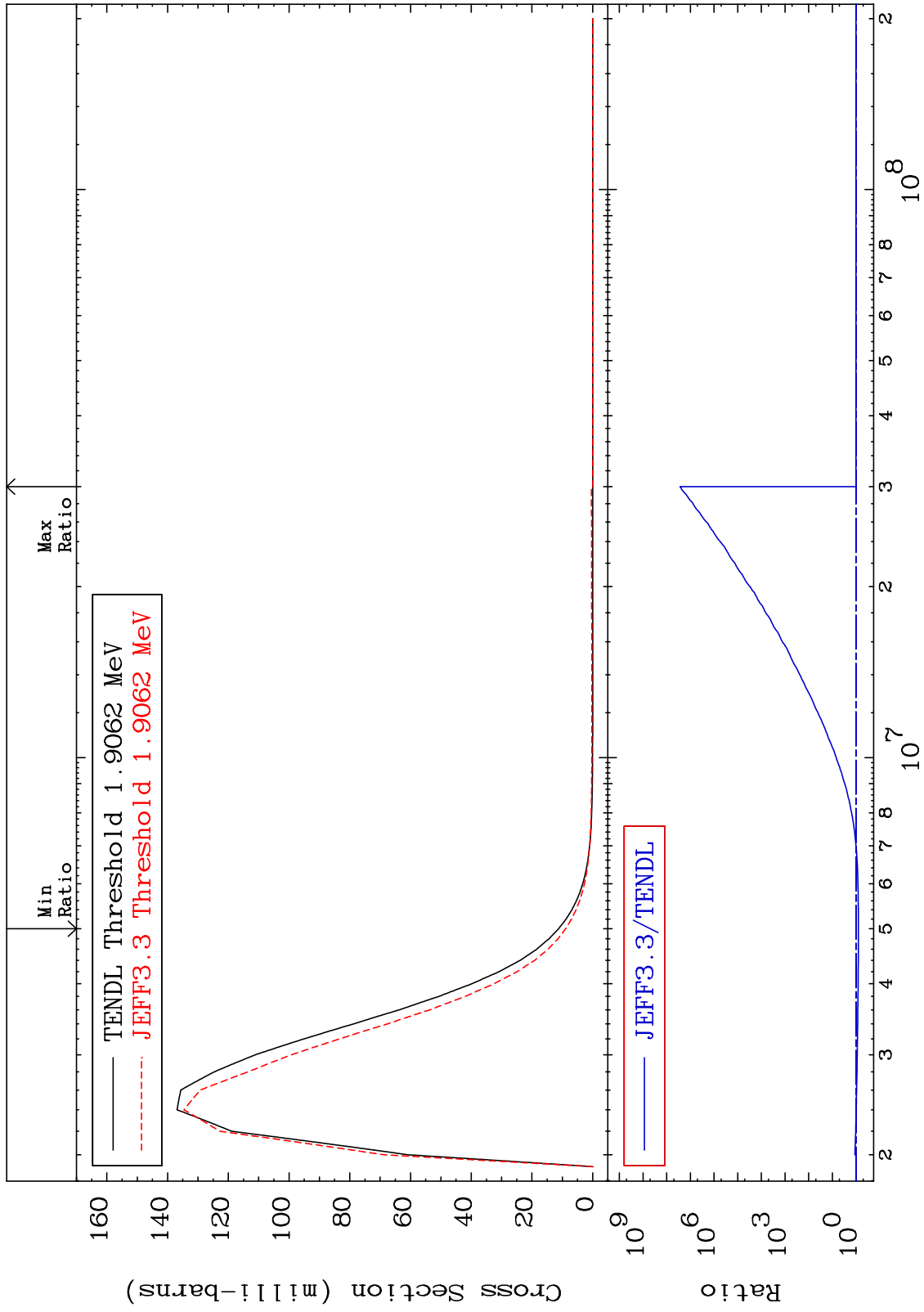
34-Se-76
-100.0 To 0.000 %



MAT 3431

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

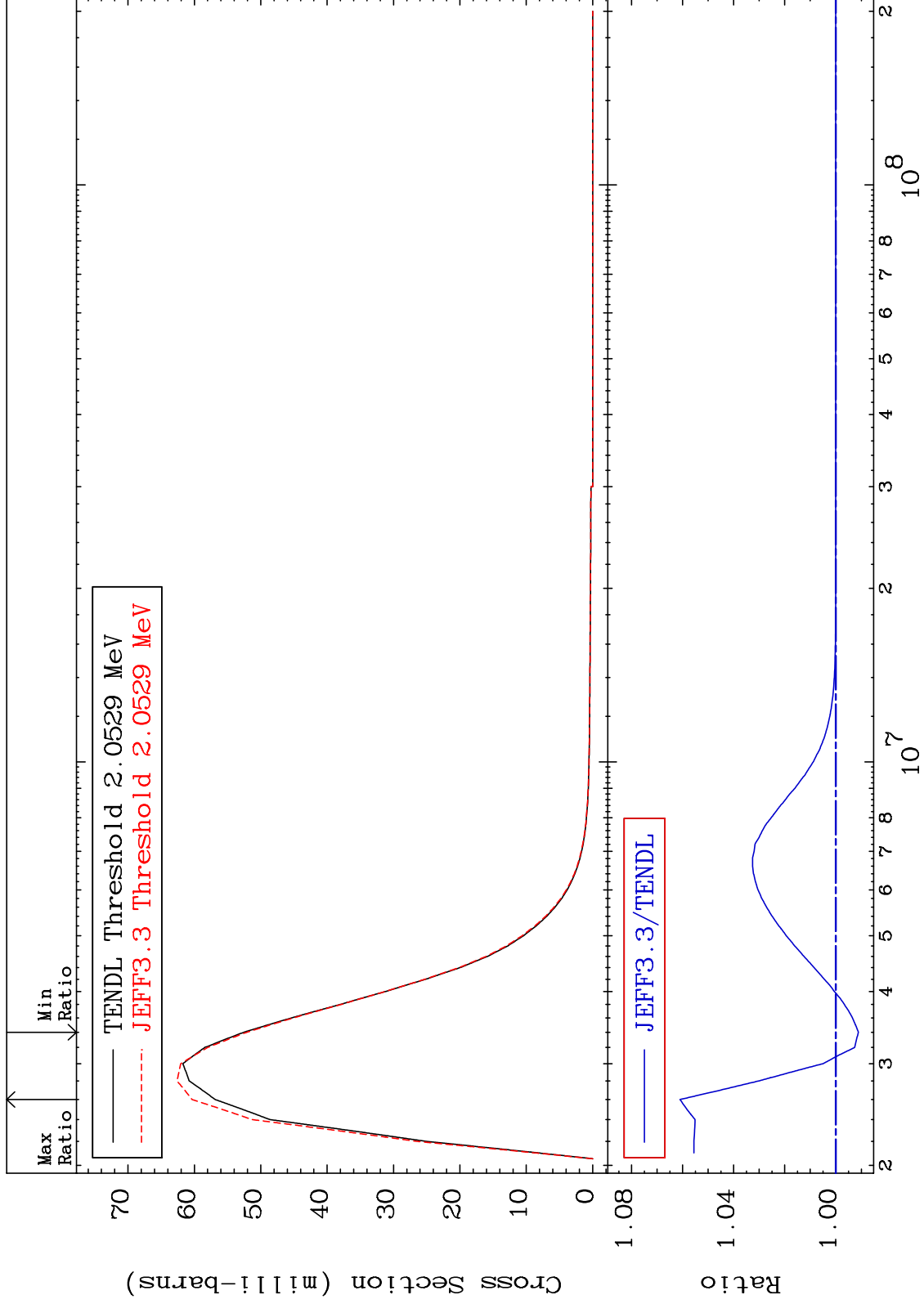
34-Se-76
-20.59 To 9999. %



MAT 3431

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

34-Se-76
-0.886 To 6.103 %



27

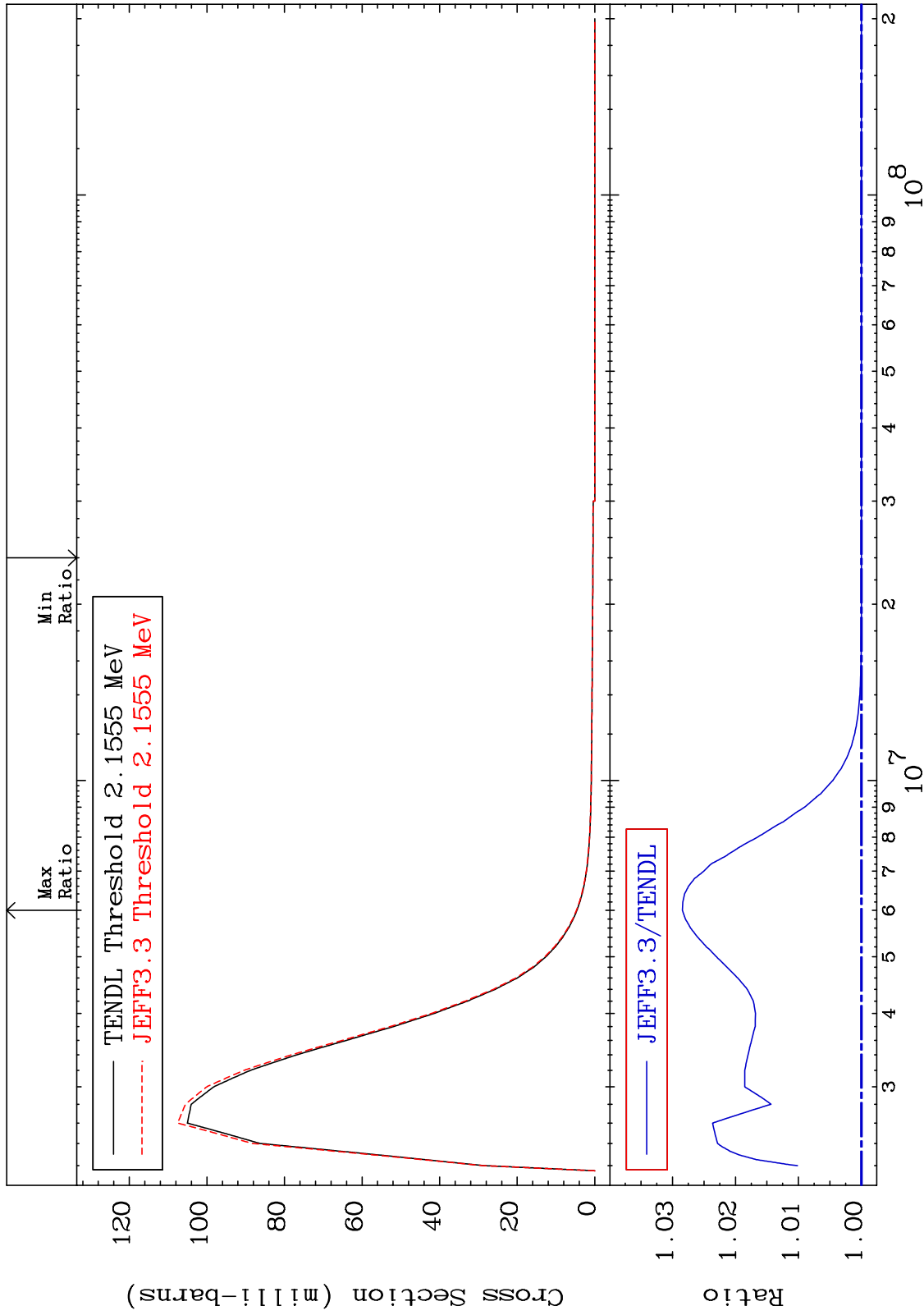
Incident Energy (eV)

34-Se-76

MAT 3431

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

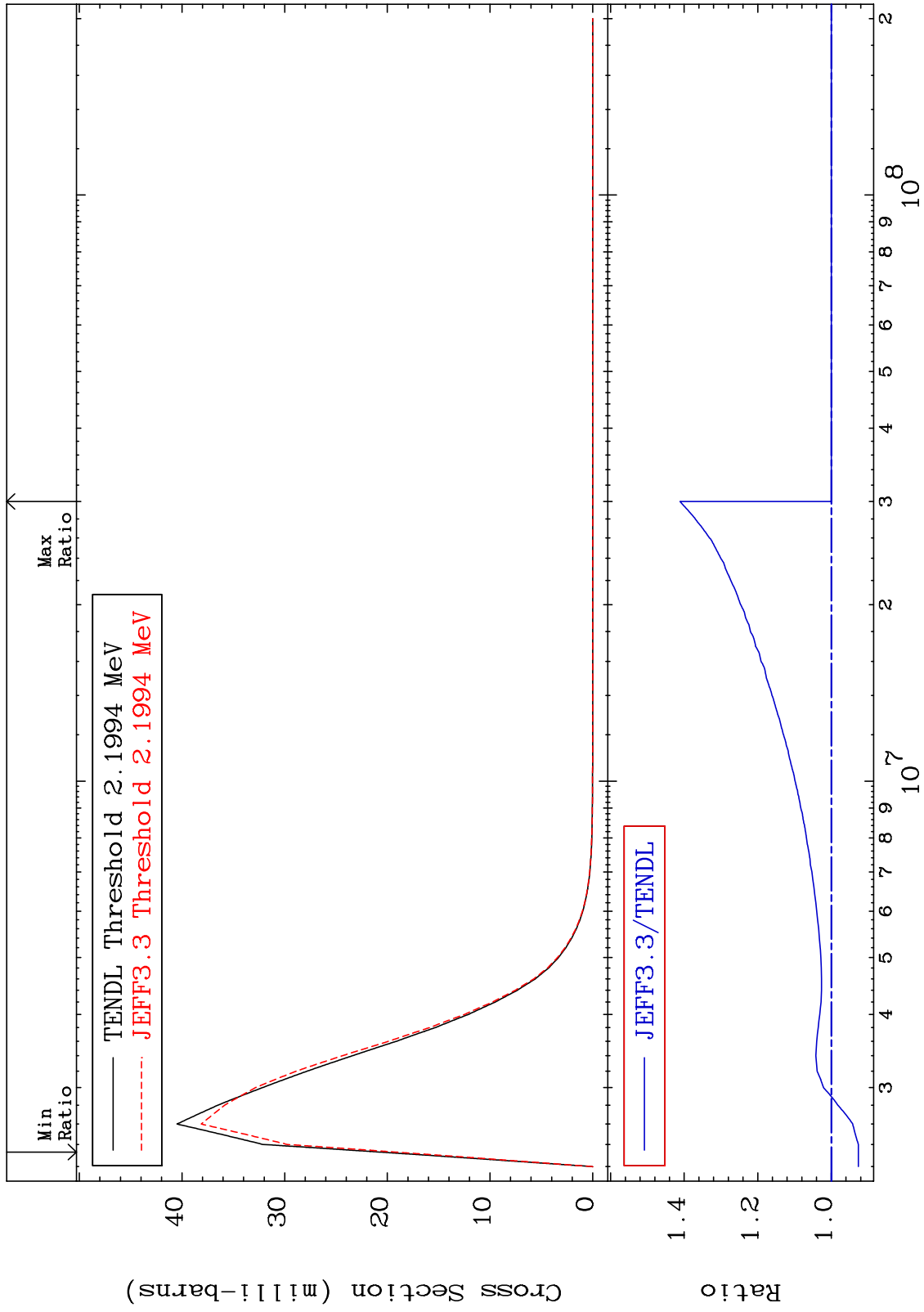
34-Se-76
0.000 To 2.842 %



MAT 3431

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

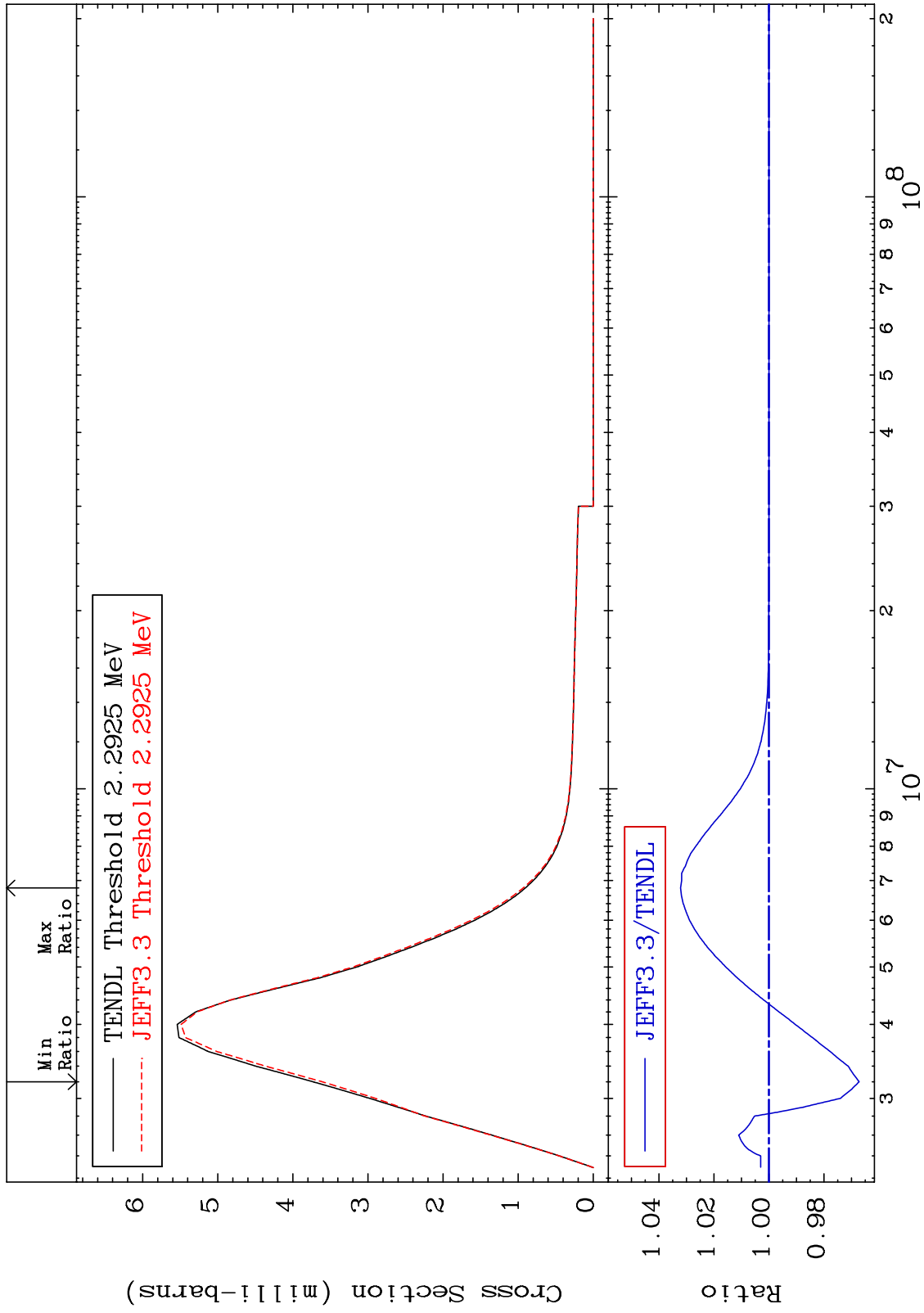
34-Se-76
-7.383 To 41.13 %



MAT 3431

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

34-Se-76
-3.282 To 3.210 %



30

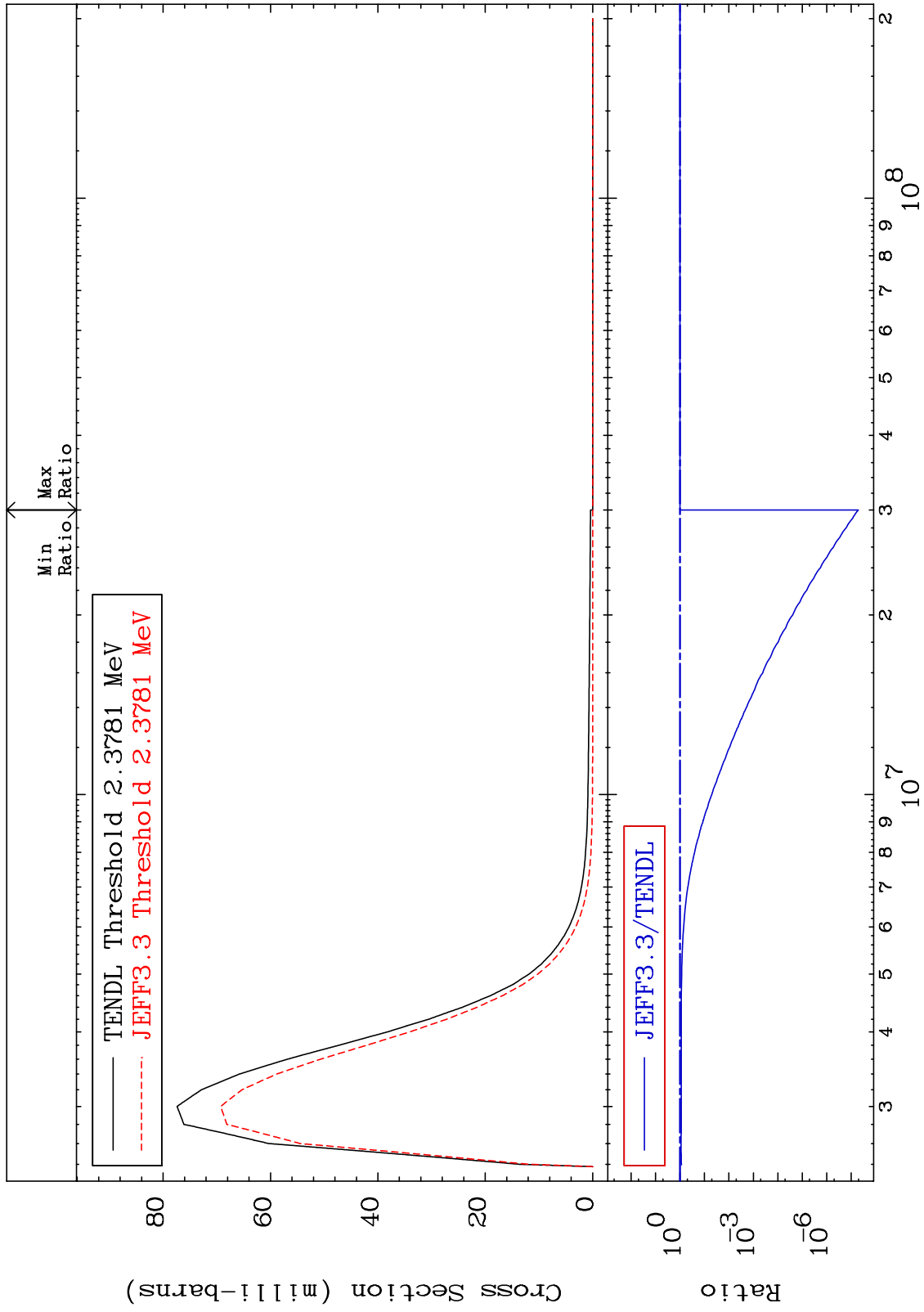
Incident Energy (eV)

34-Se-76

MAT 3431

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

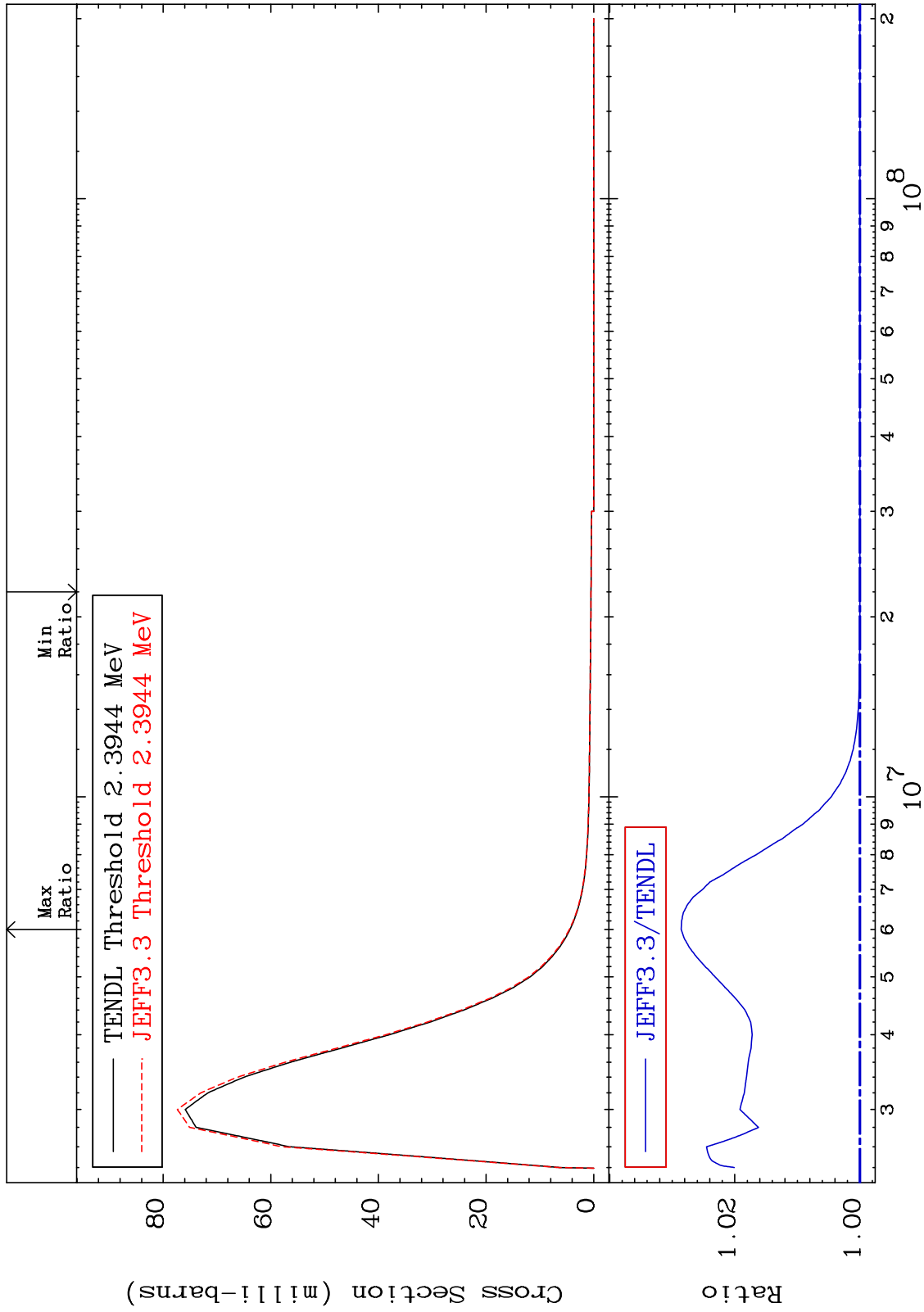
34-Se-76
-100.0 To 0.000 %



MAT 3431

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

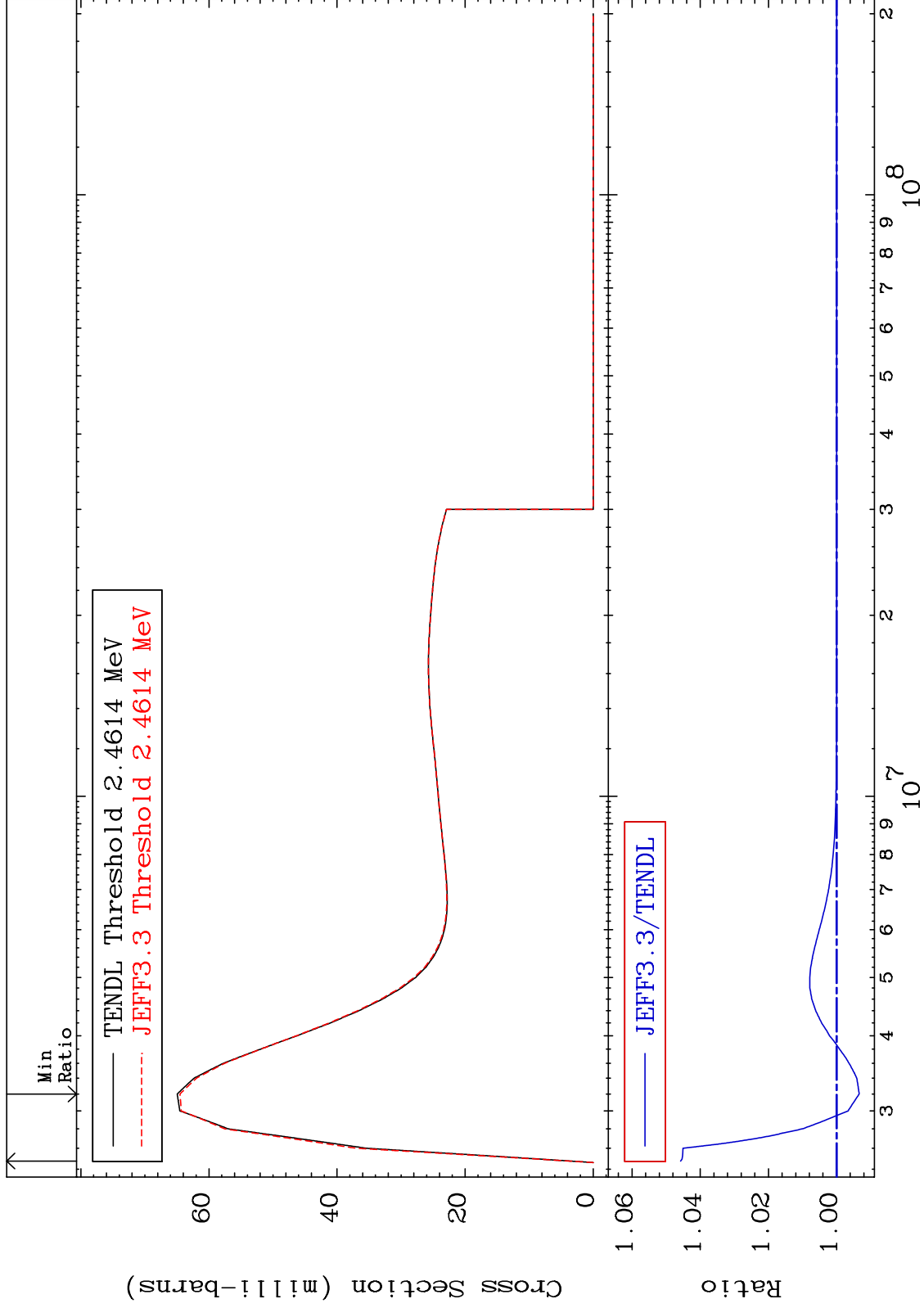
34-Se-76
0.000 To 2.856 %



MAT 3431

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

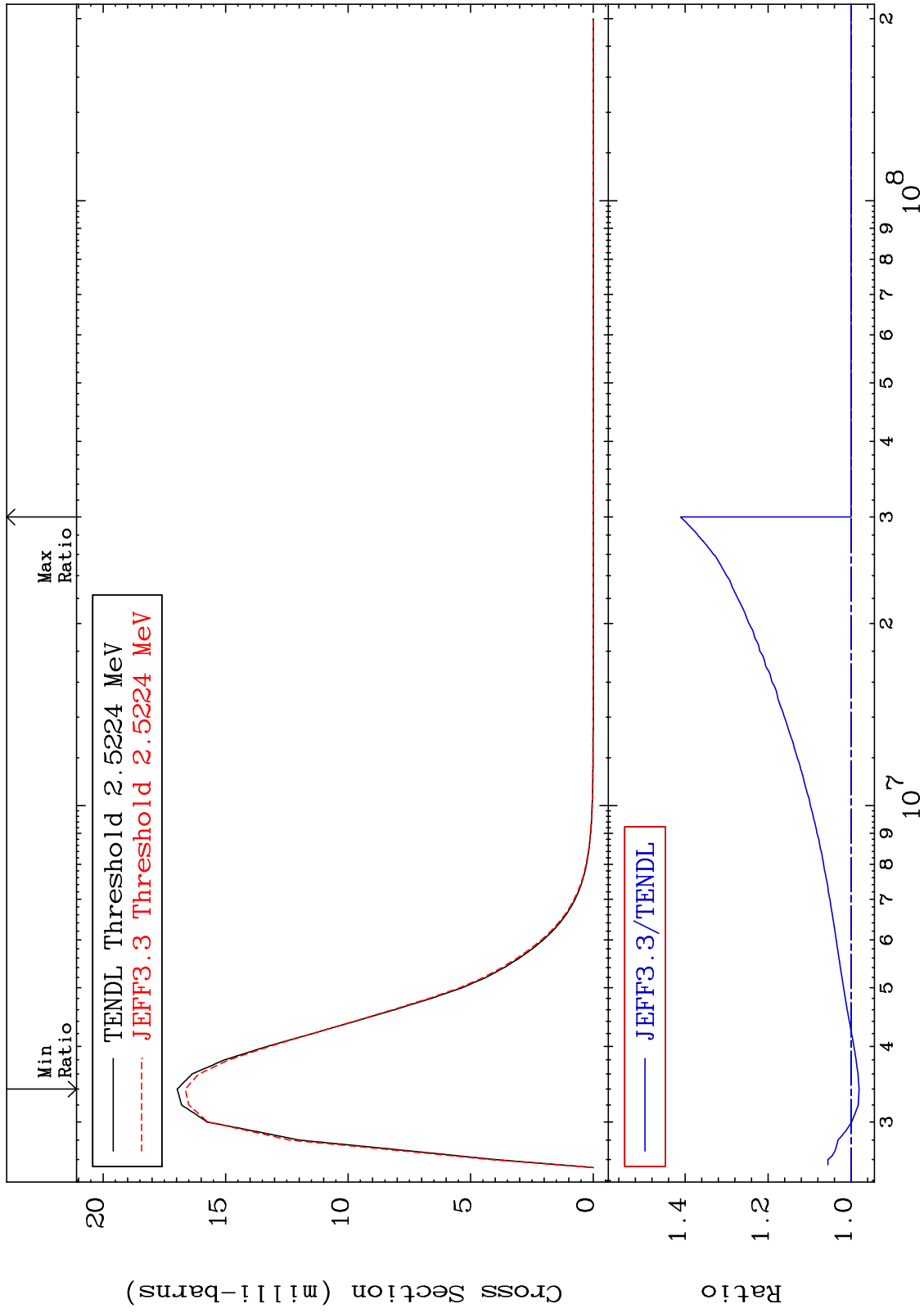
34-Se-76
-0.661 To 4.575 %



MAT 3431

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

34-Se-76
-1.949 To 41.11 %



34

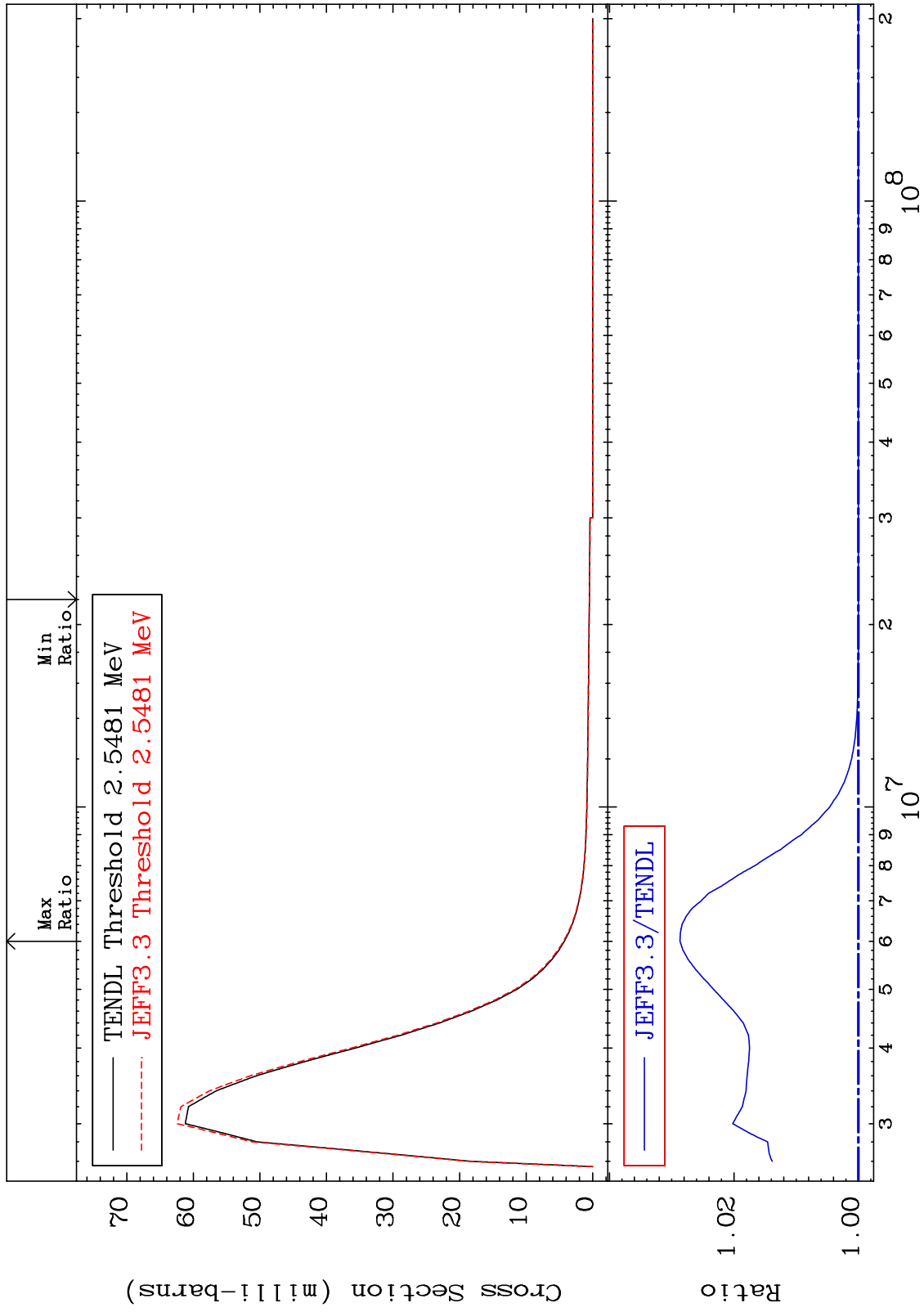
Incident Energy (eV)

34-Se-76

MAT 3431

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

34-Se-76
0.000 To 2.866 %



35

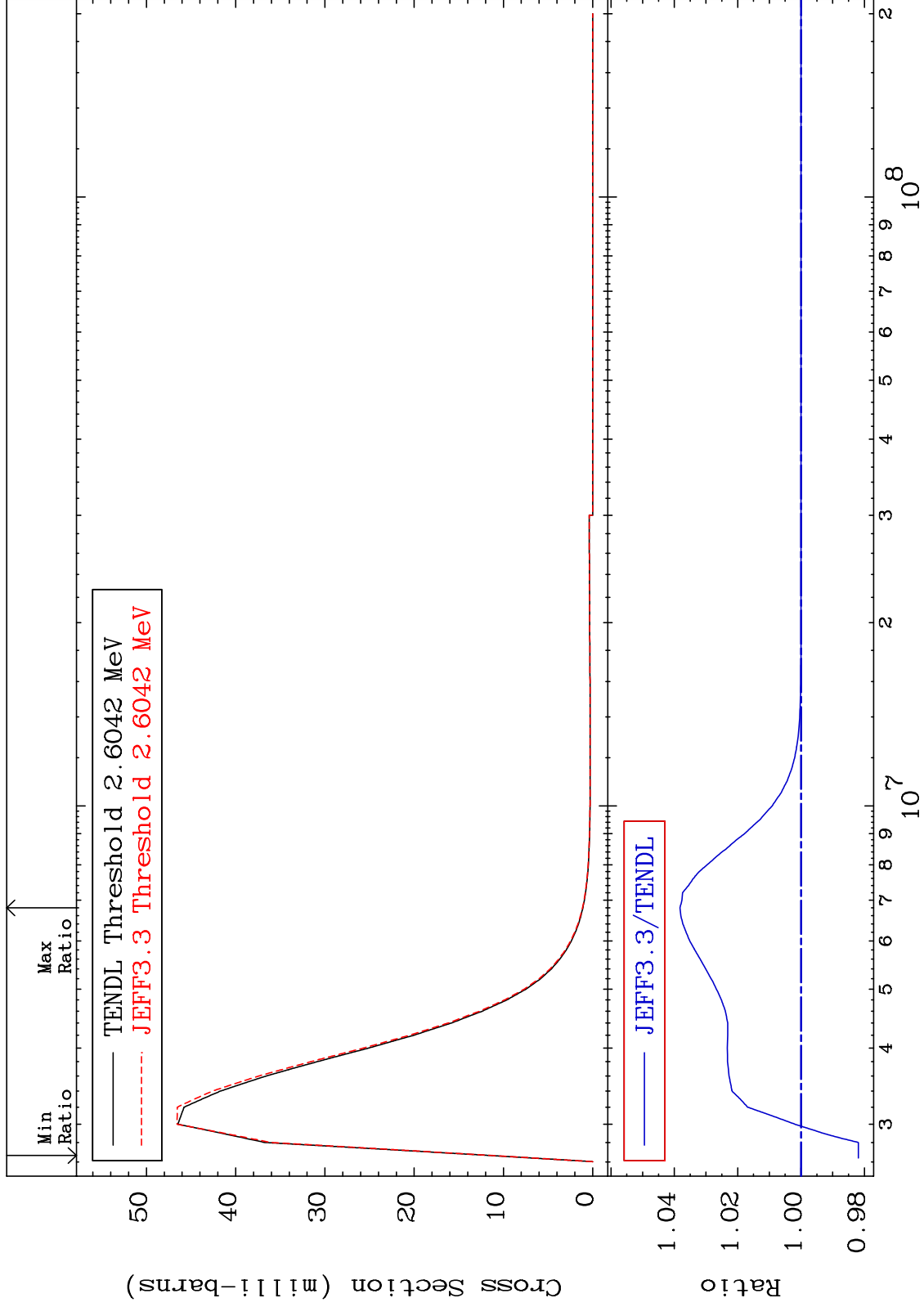
Incident Energy (eV)

34-Se-76

MAT 3431

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

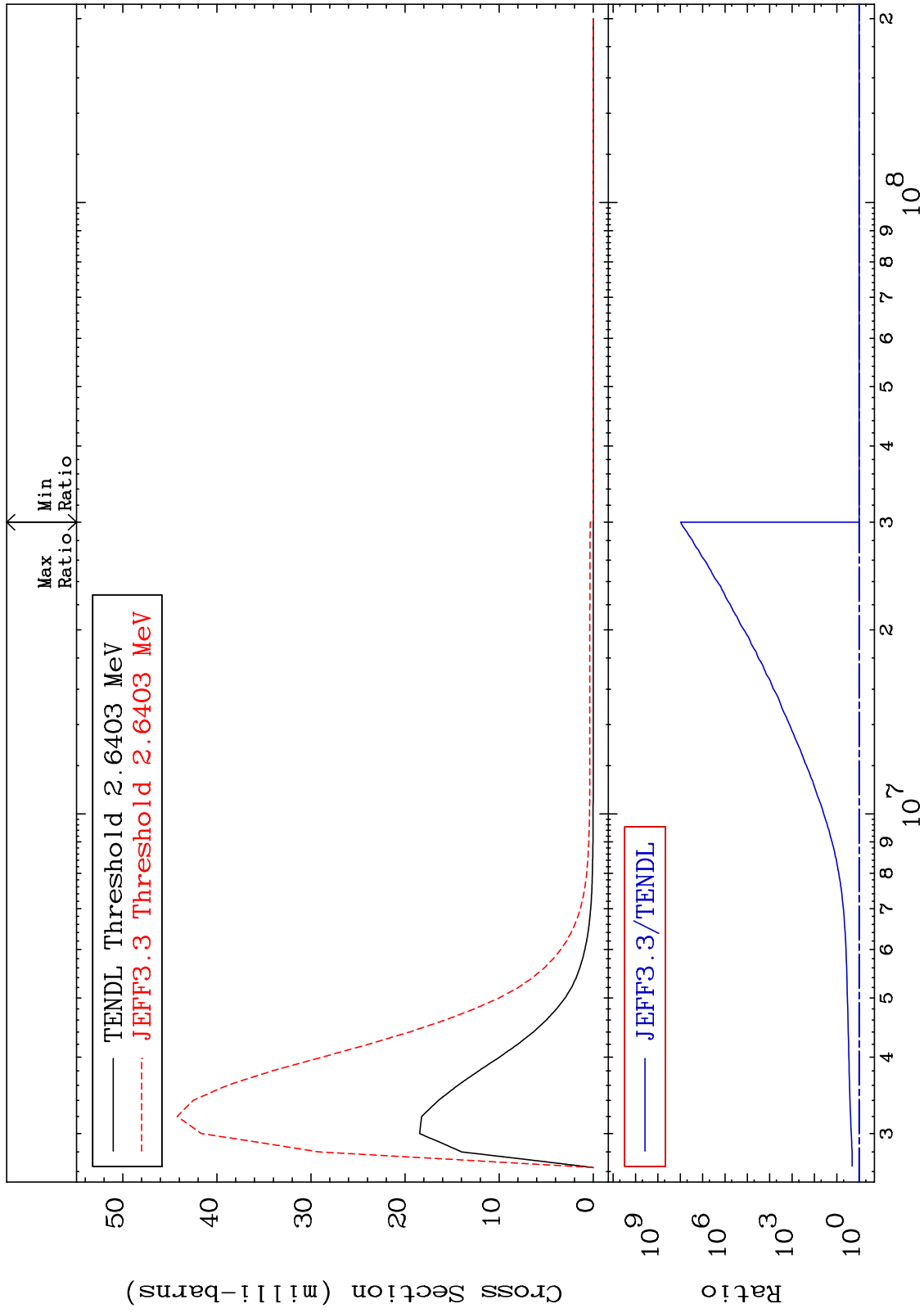
34-Se-76
-1.812 To 3.820 %



MAT 3431

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

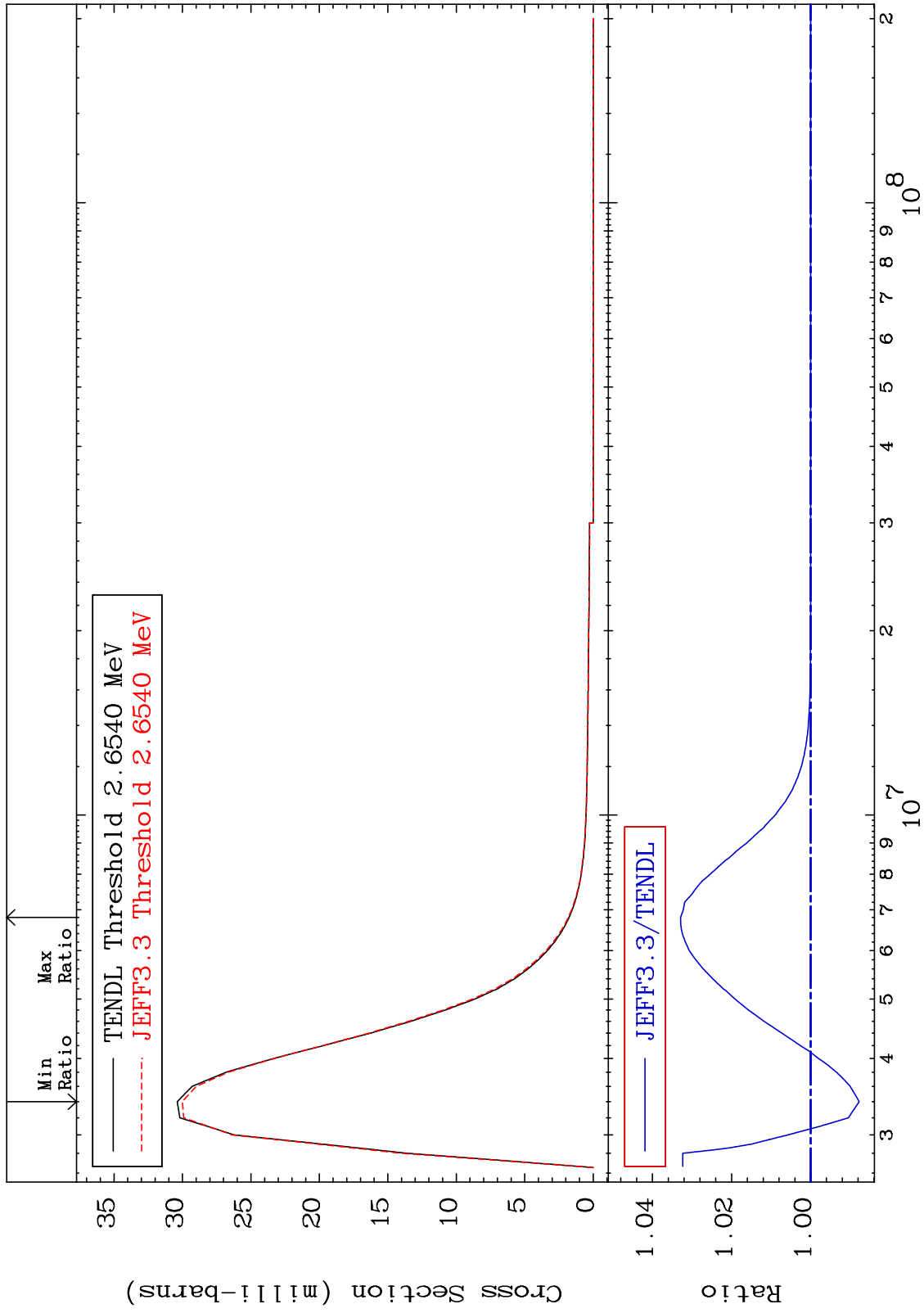
34-Se-76
0.000 To 9999. %



MAT 3431

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

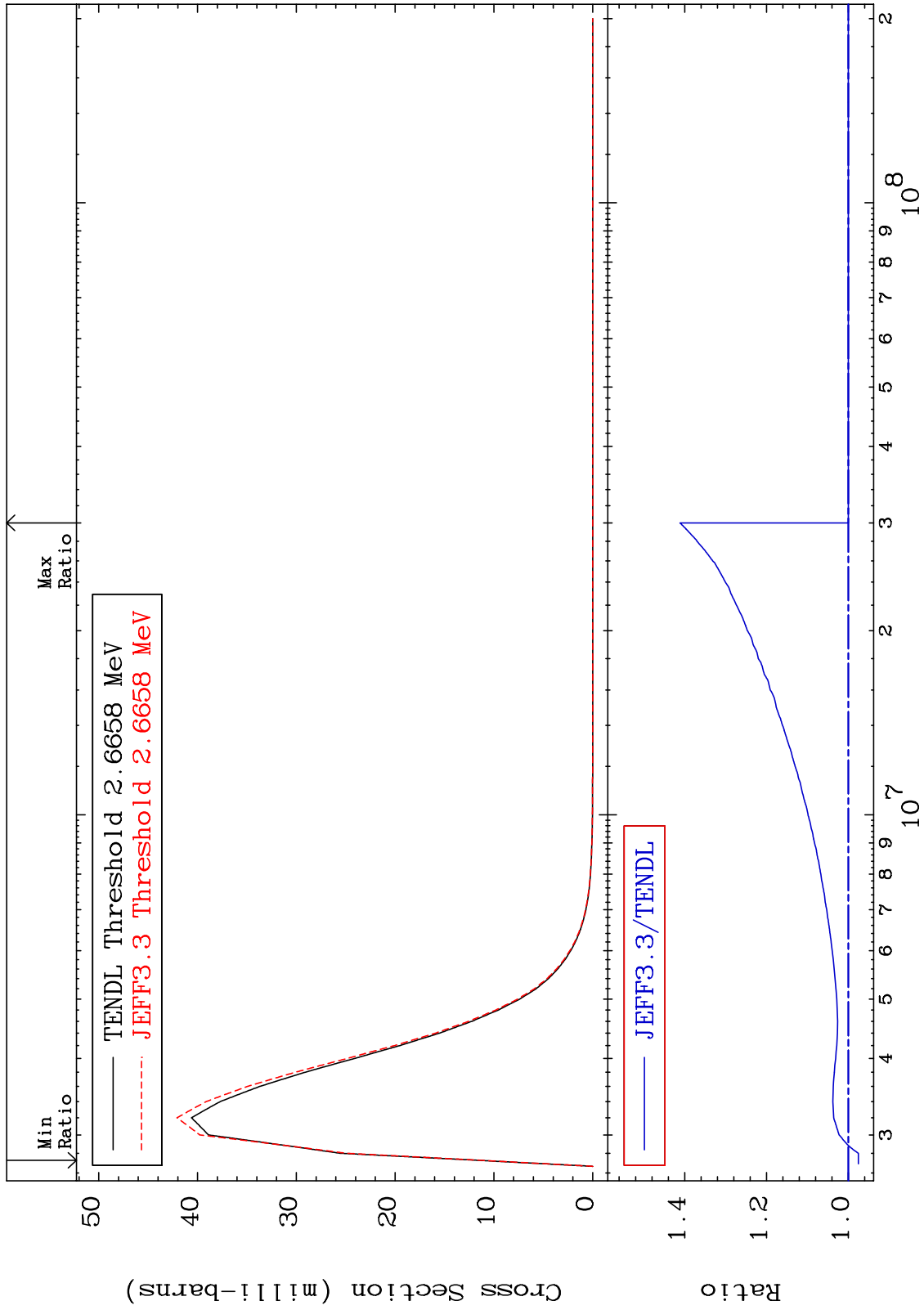
34-Se-76
-1.227 To 3.288 %



MAT 3431

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

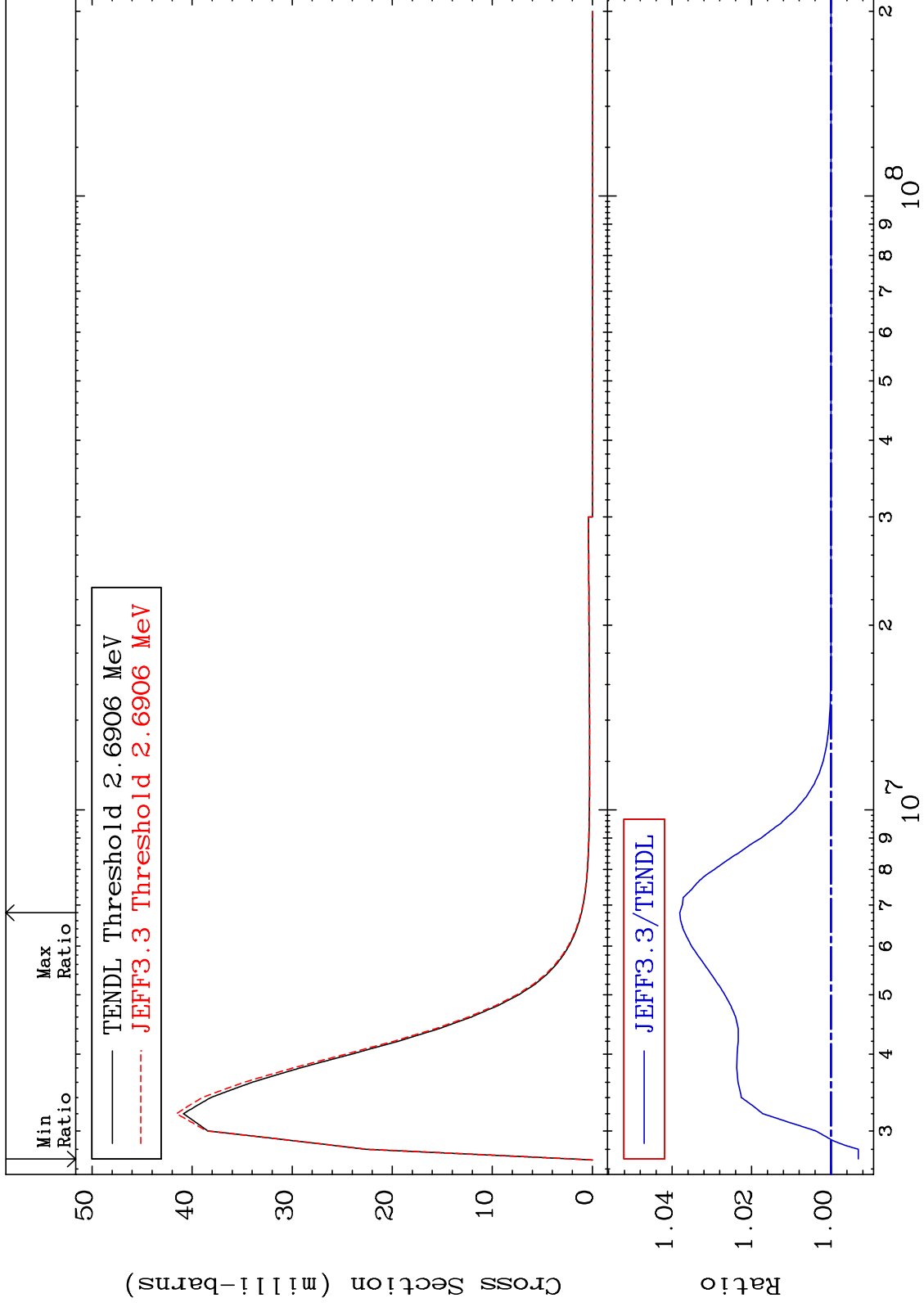
34-Se-76
-2.460 To 41.14 %



MAT 3431

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

34-Se-76
-0.688 To 3.806 %



40

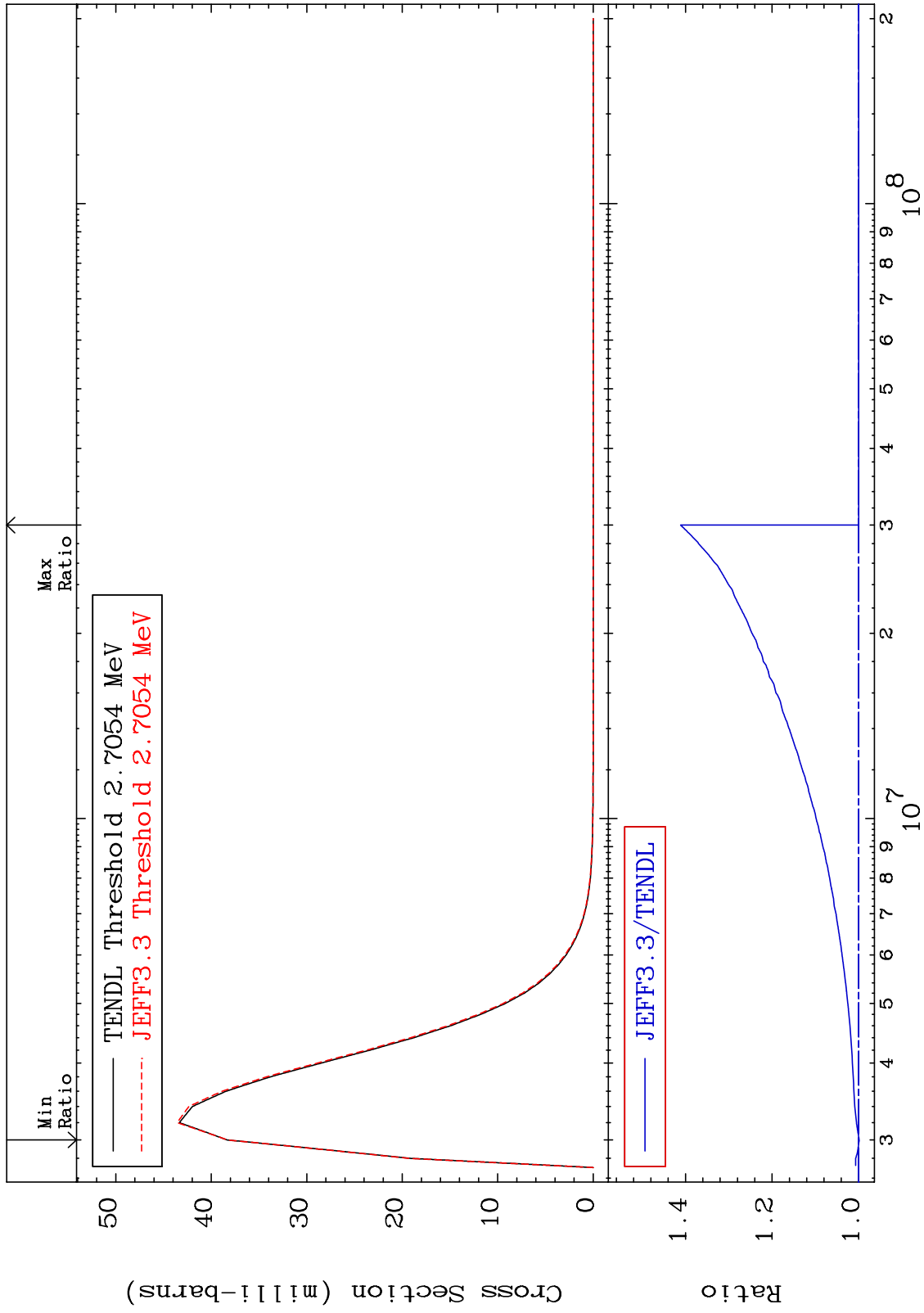
Incident Energy (eV)

34-Se-76

MAT 3431

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

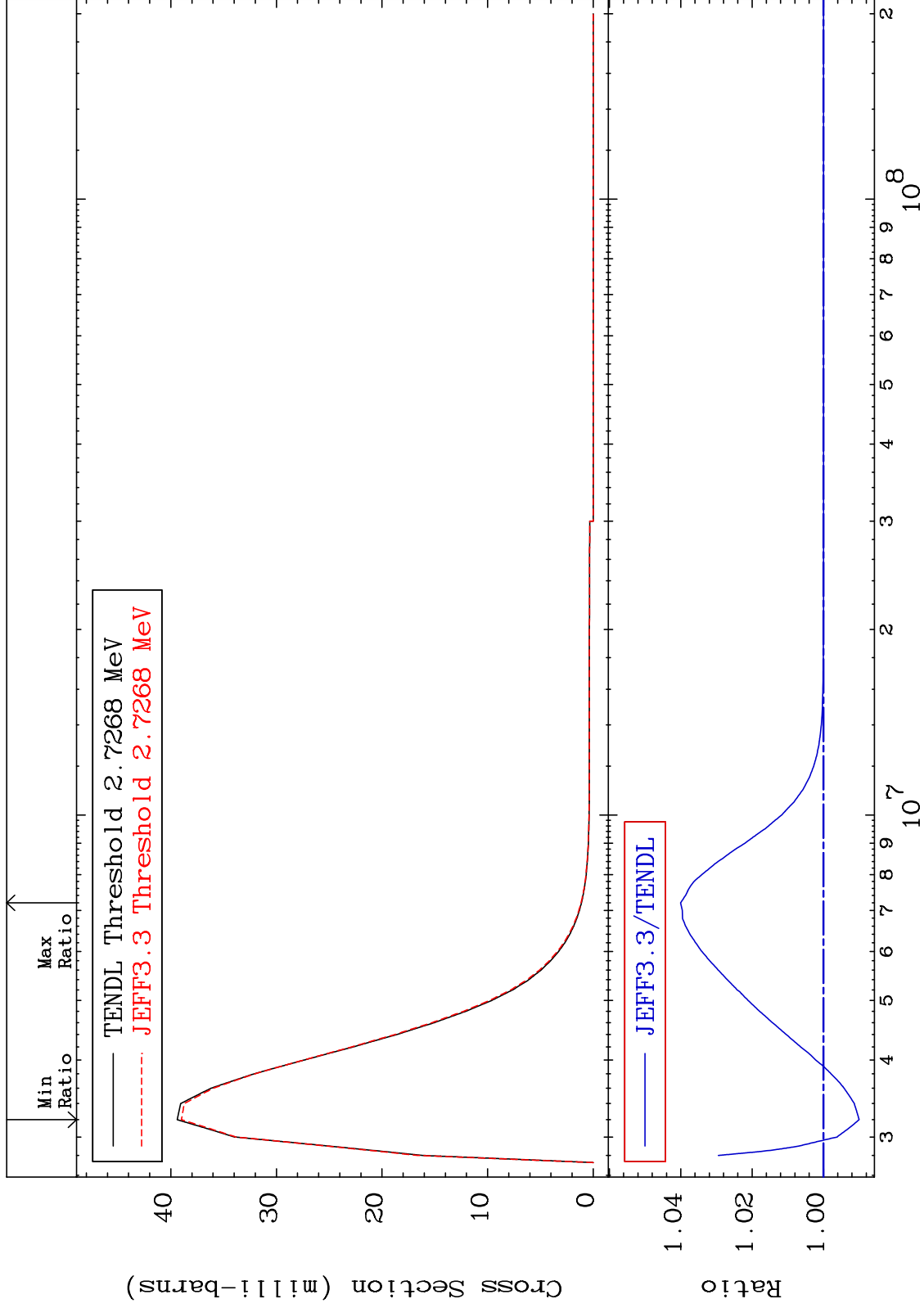
34-Se-76
-0.125 To 41.13 %



MAT 3431

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

34-Se-76
-1.001 To 4.004 %



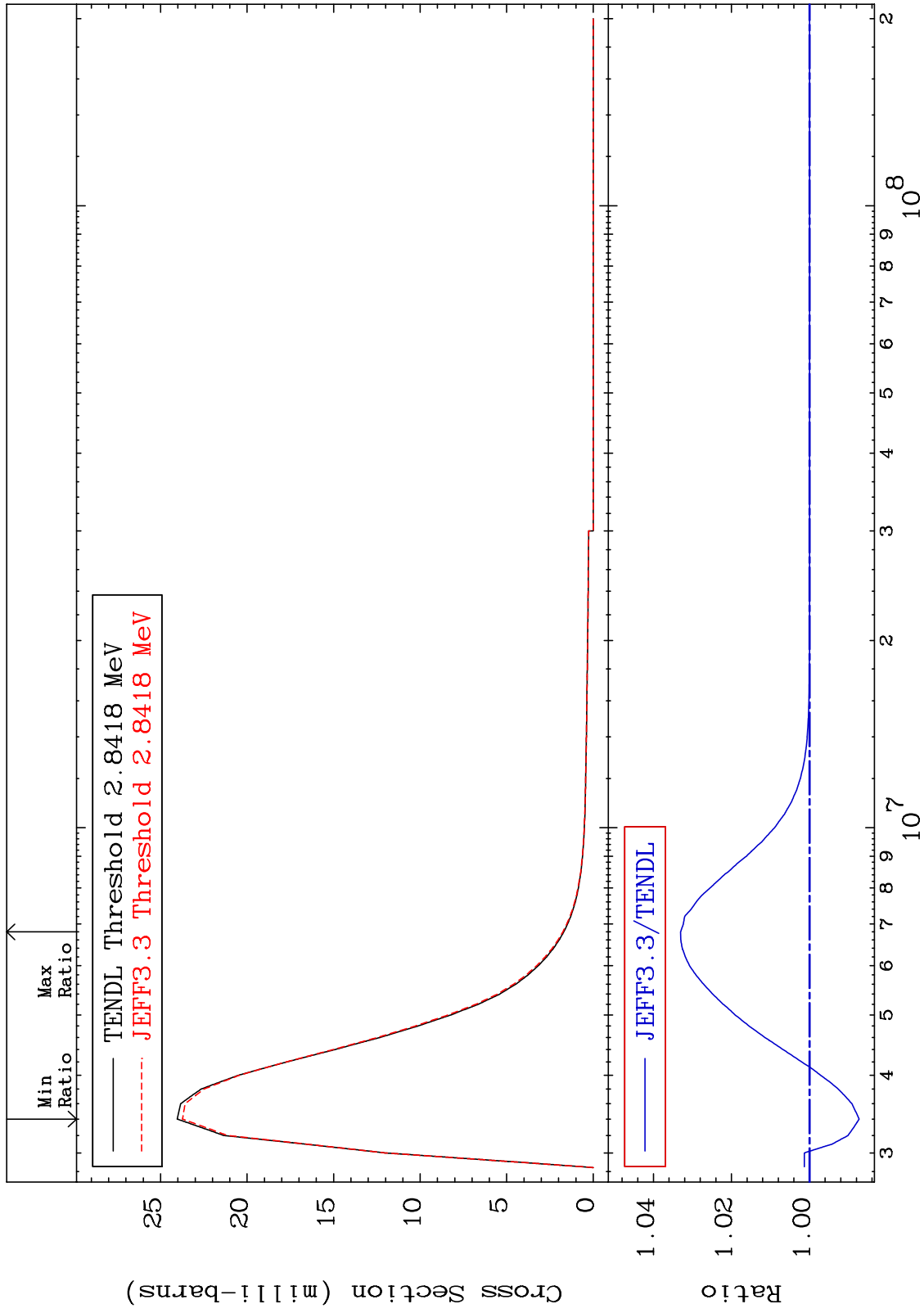
42

34-Se-76

MAT 3431

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

34-Se-76
-1.271 To 3.302 %



43

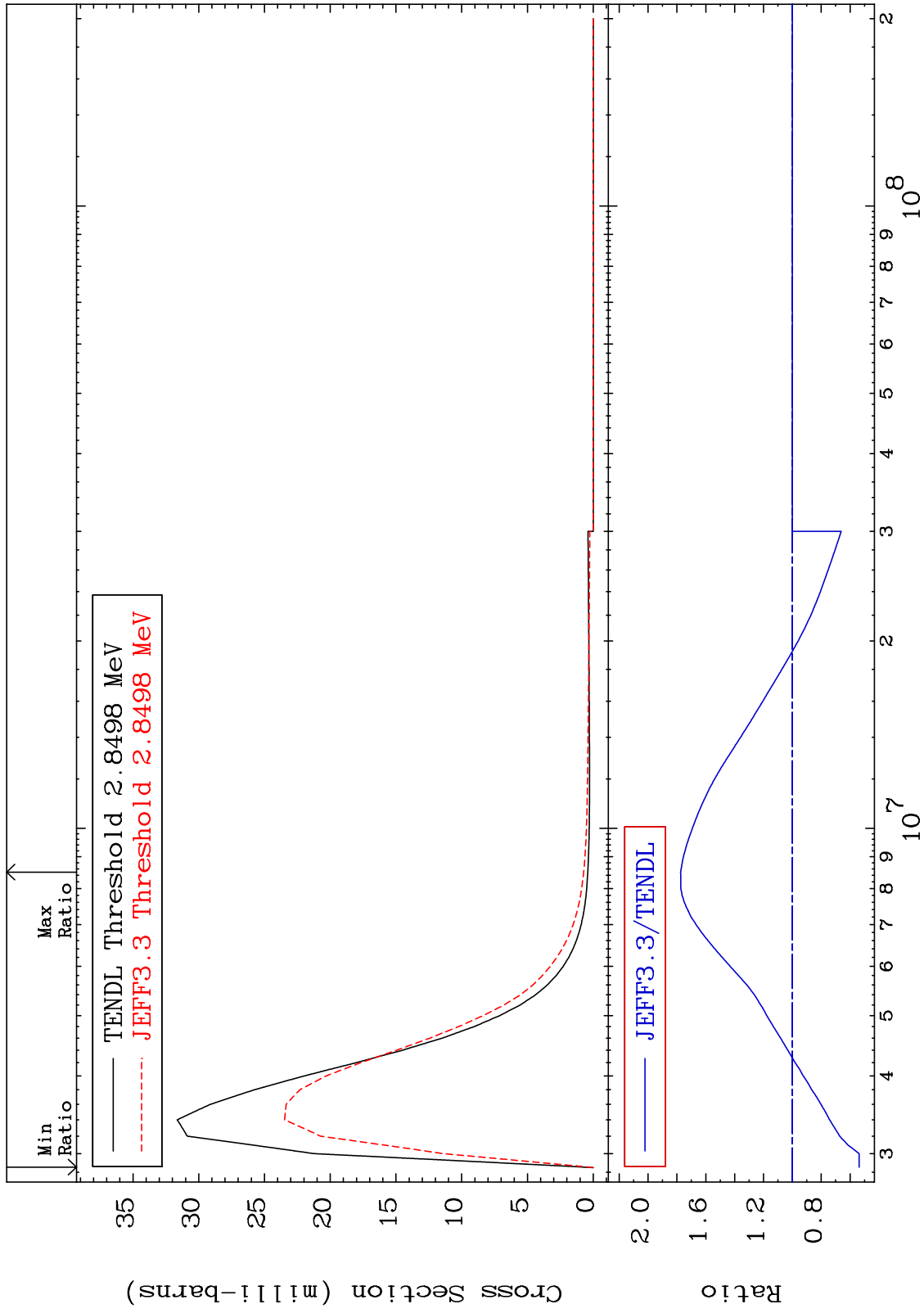
Incident Energy (eV)

34-Se-76

MAT 3431

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

34-Se-76
-46.30 To 77.43 %



44

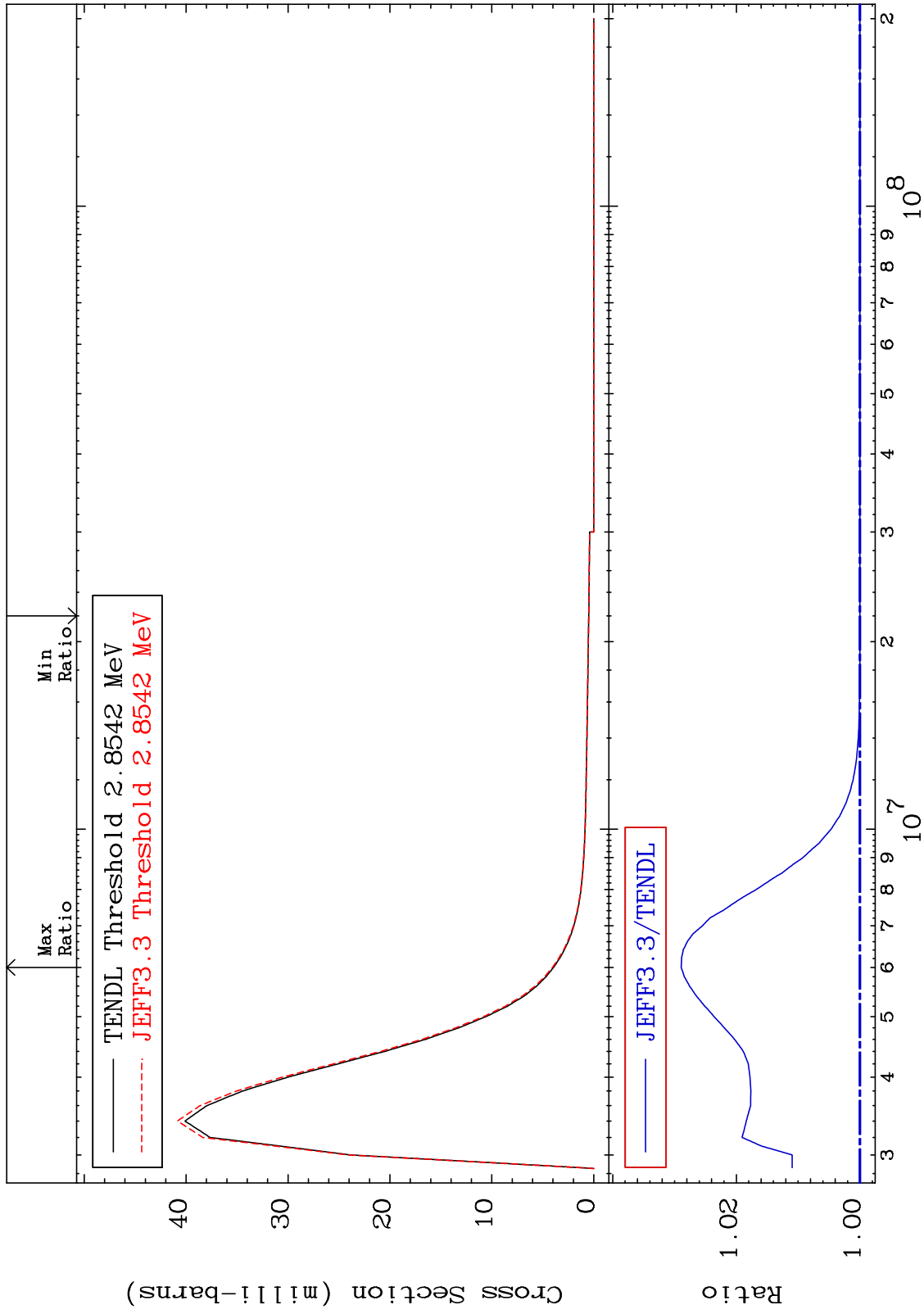
Incident Energy (eV)

34-Se-76

MAT 3431

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

0.000 To 2.892 %
34-Se-76



45

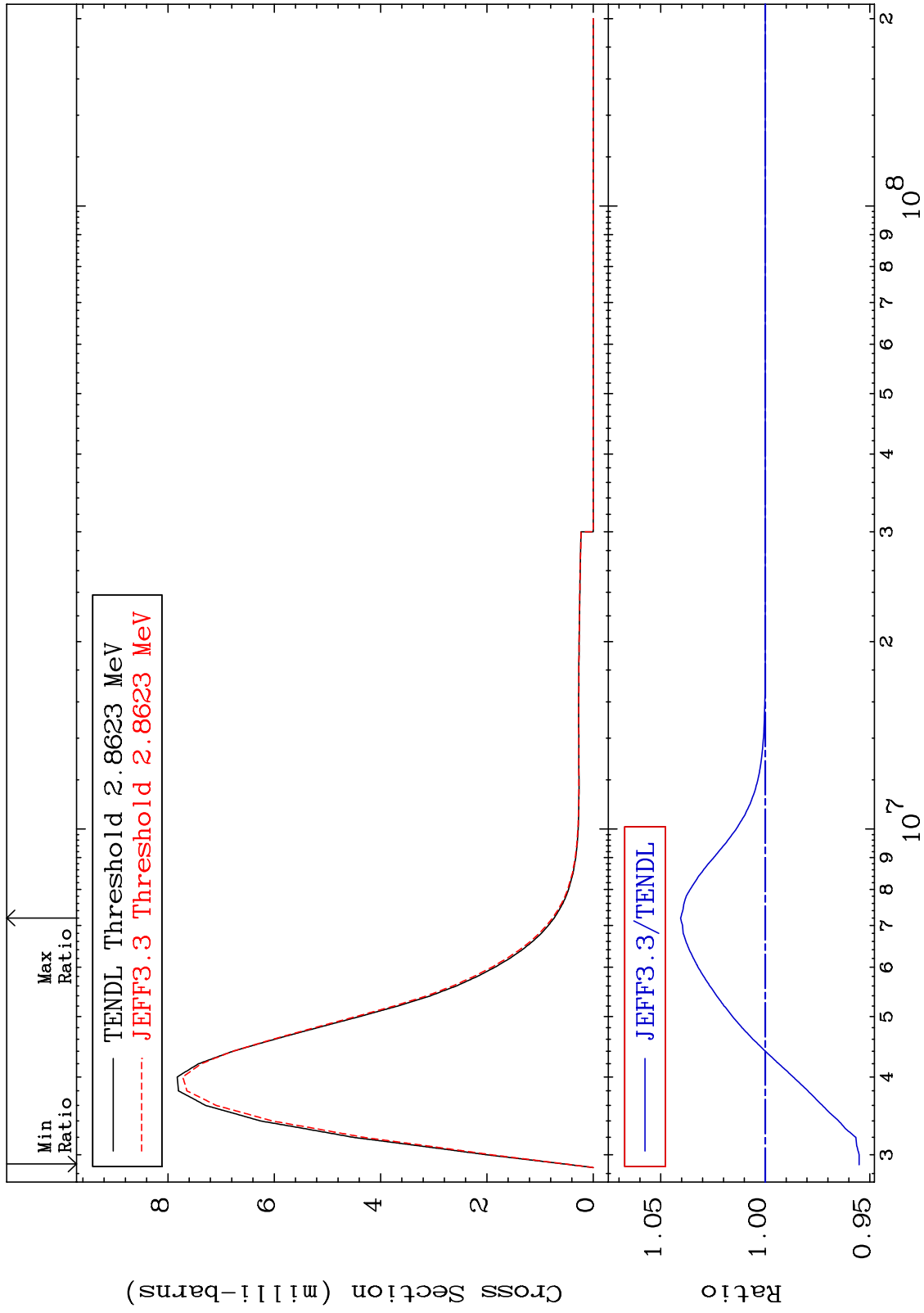
Incident Energy (eV)

34-Se-76

MAT 3431

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

34-Se-76
-4.494 To 4.049 %



46

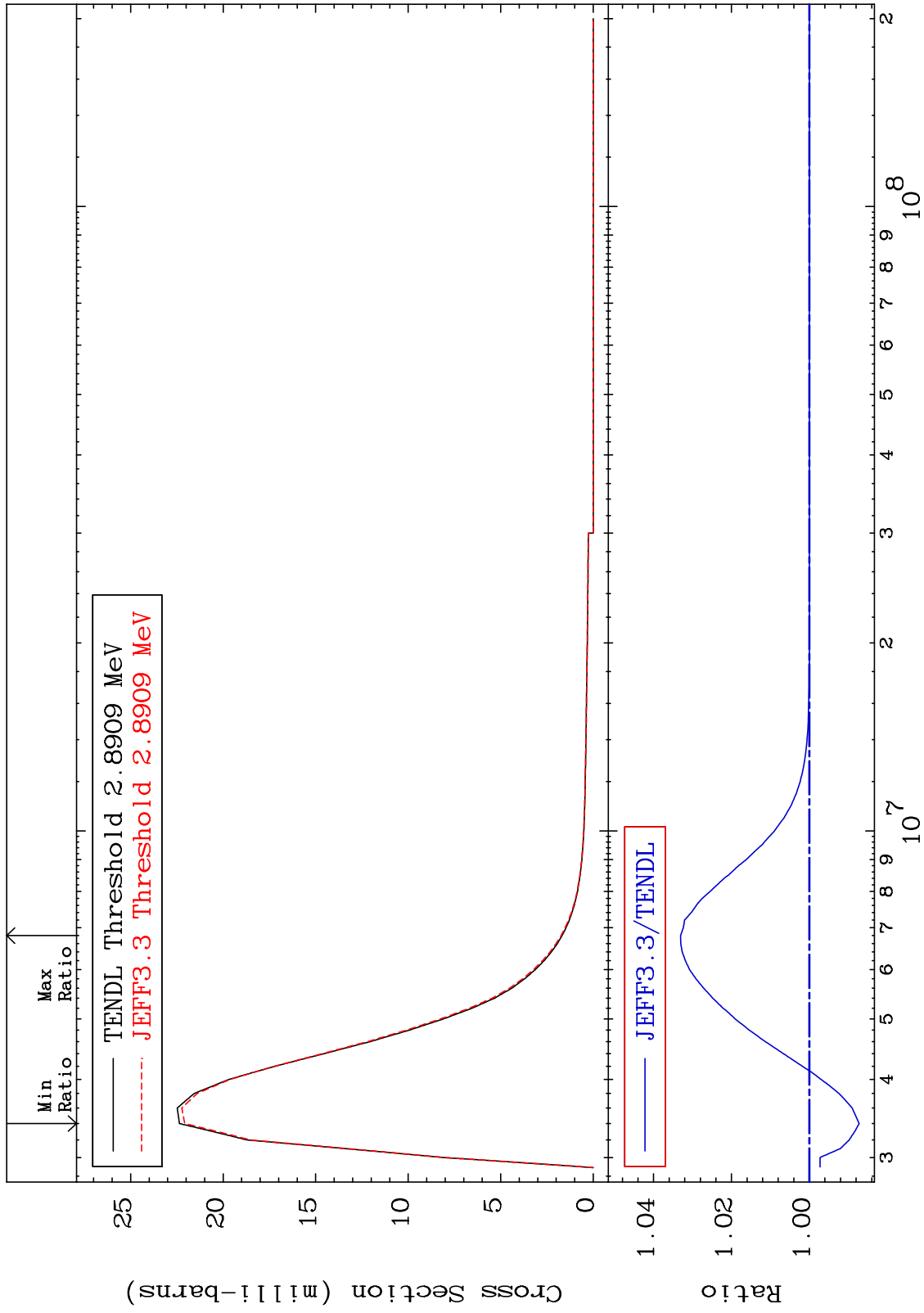
Incident Energy (eV)

34-Se-76

MAT 3431

MT= 79 (n,n') Level
Cross Section

34-Se-76
-1.278 To 3.306 %



47

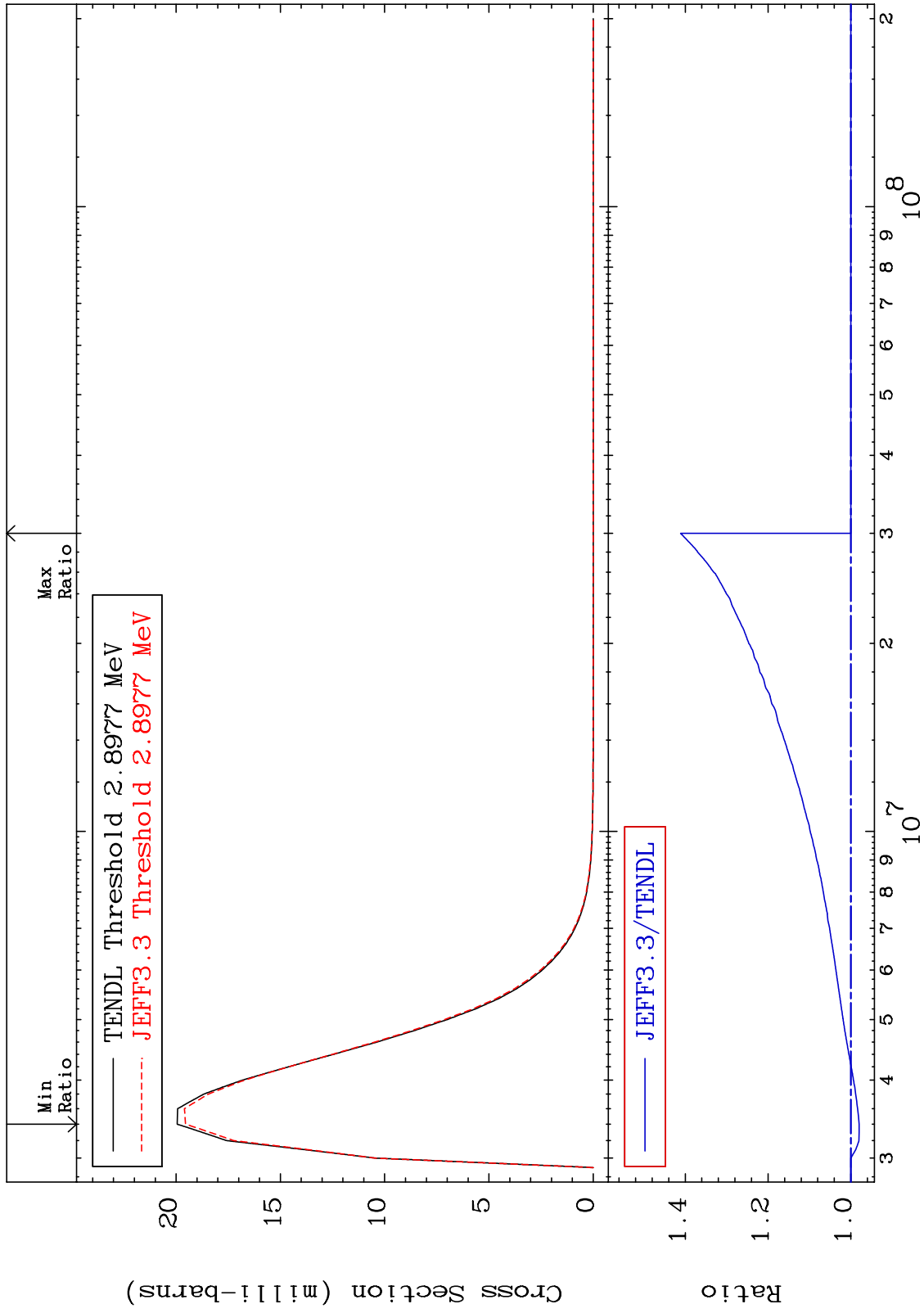
Incident Energy (eV)

34-Se-76

MAT 3431

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

34-Se-76
-2.010 To 41.12 %



48

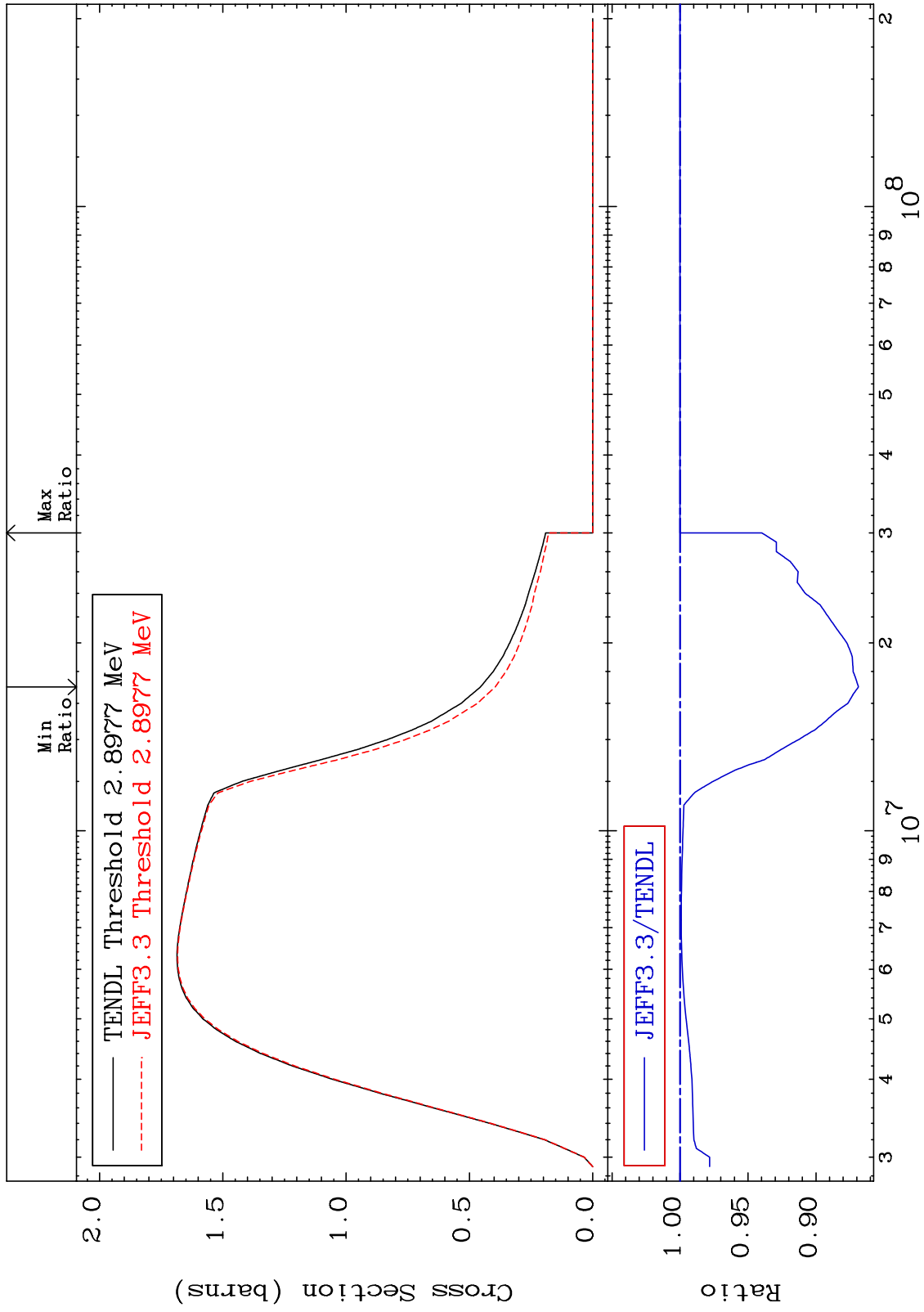
Incident Energy (eV)

34-Se-76

MAT 3431

(n, n') Continuum
Cross Section

34-Se-76
-13.12 To 0.000 %



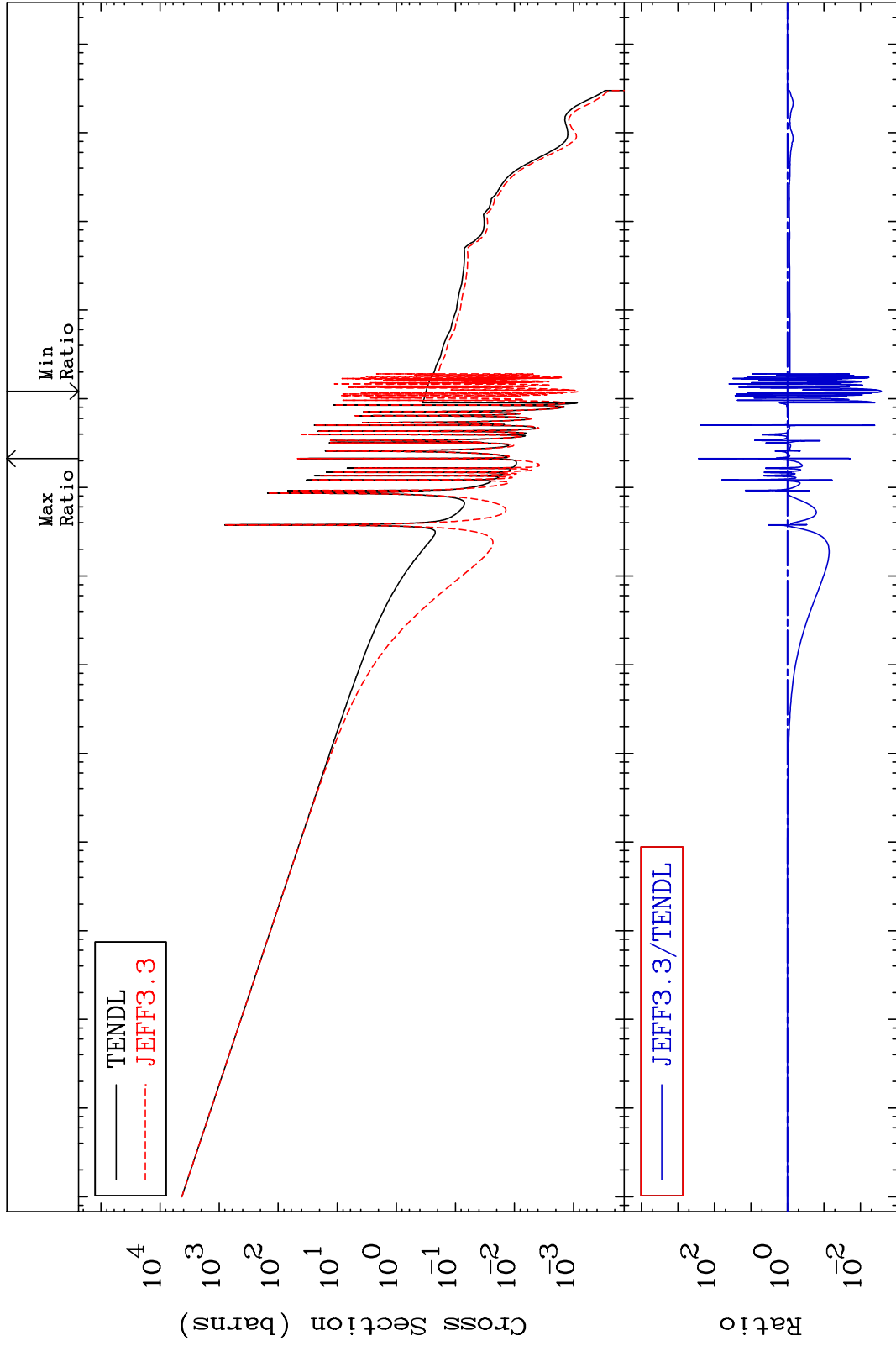
MAT 3431

(n, γ)

34-Se-76

Cross Section

-99.74 To 9999. %



50

Incident Energy (eV)

34-Se-76

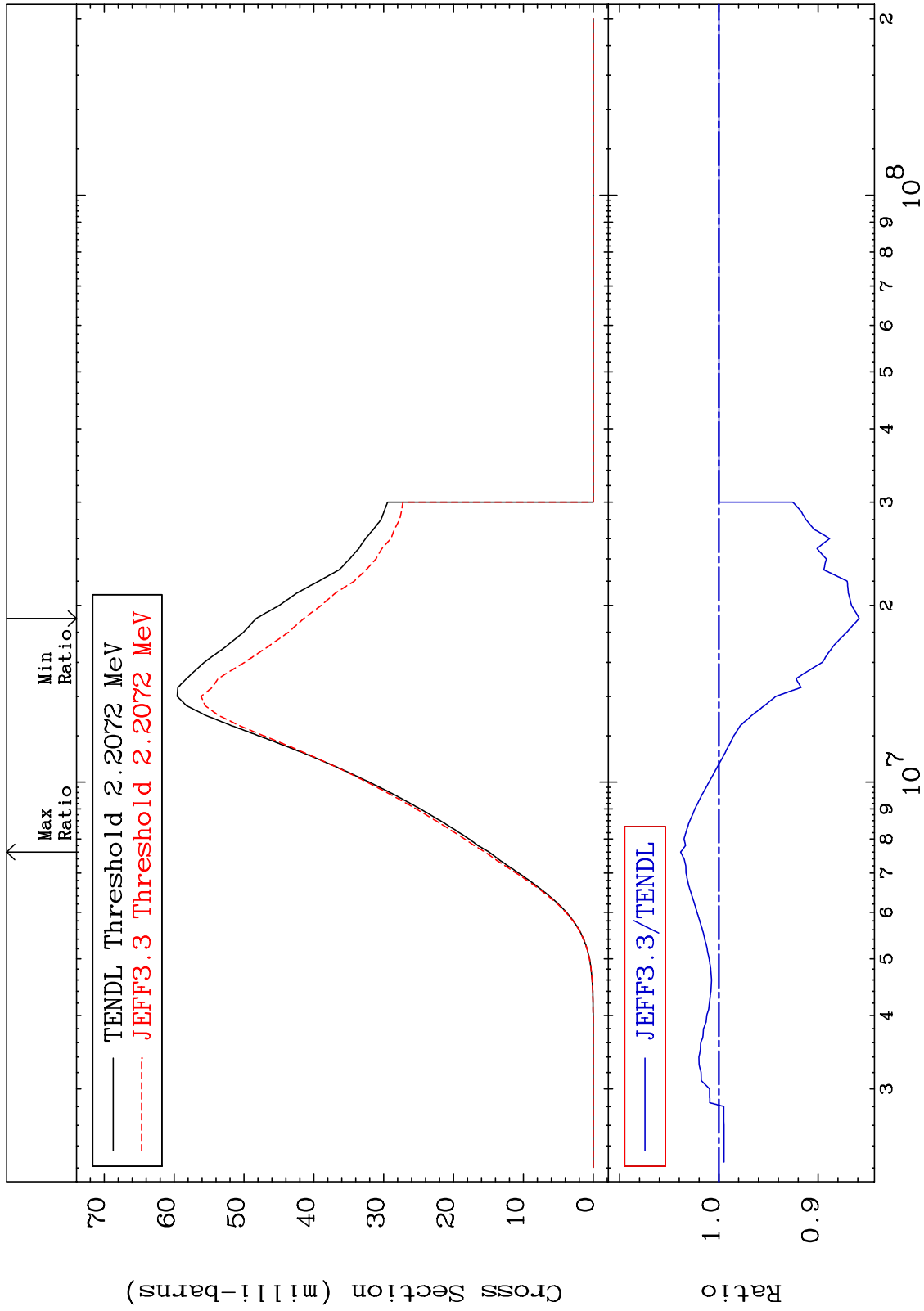
MAT 3431

(n, p)

³⁴Se-76

Cross Section

-14.13 To 3.852 %



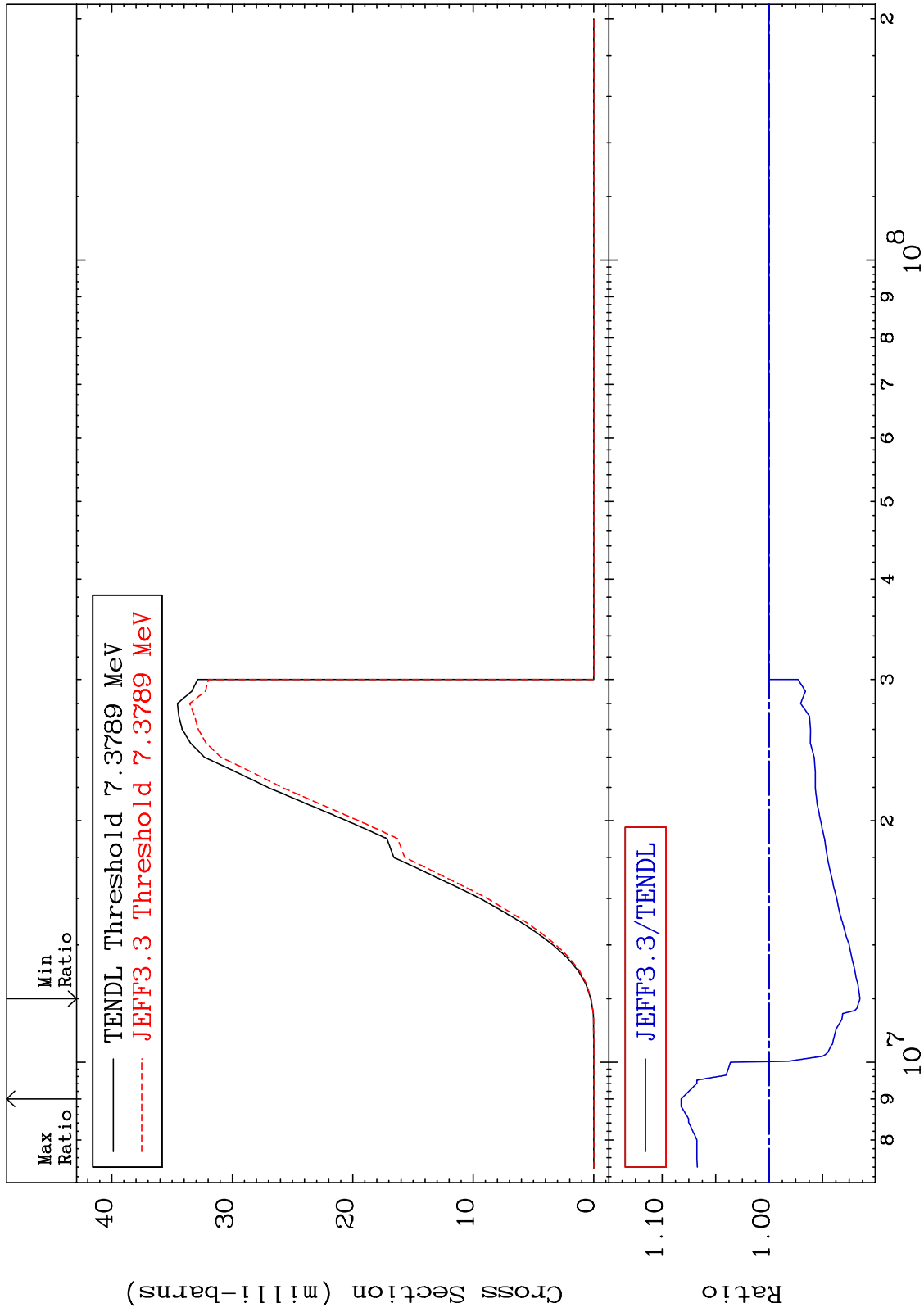
MAT 3431

(n, d)

³⁴Se-76

Cross Section

-8.507 To 8.219 %



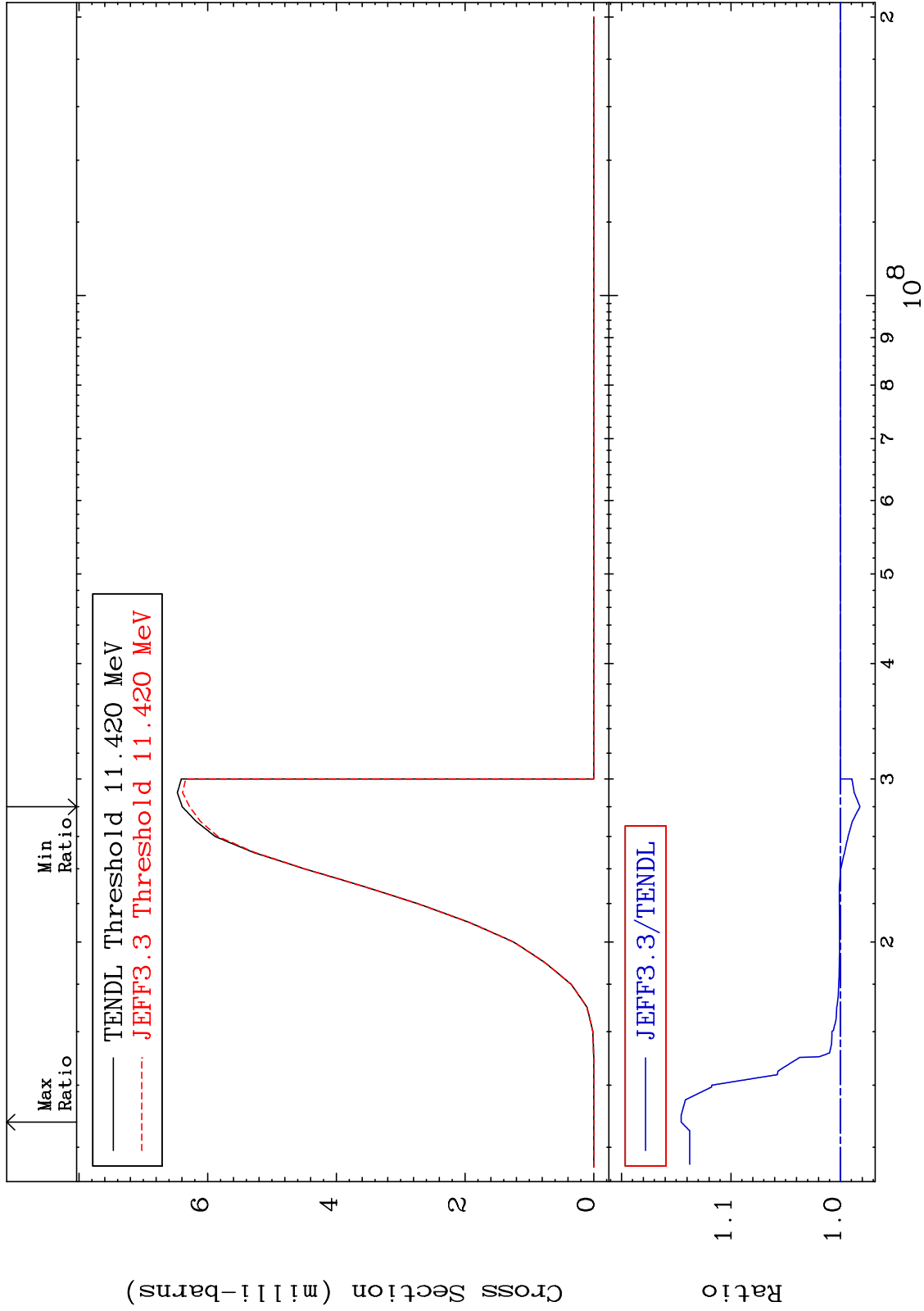
MAT 3431

(n, t)

³⁴Se-76

Cross Section

-1.784 To 14.54 %



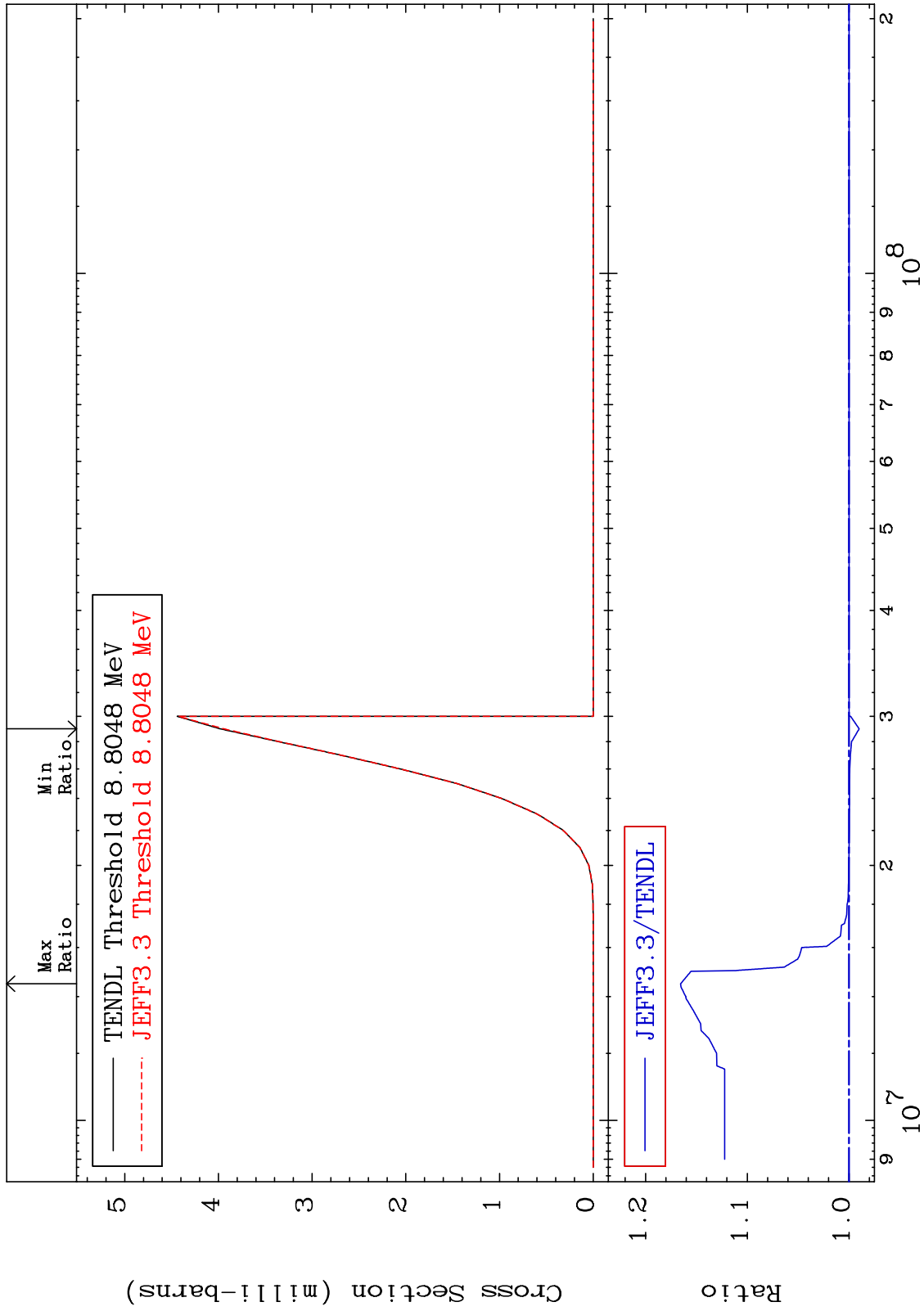
MAT 3431

(n, He-3)

34-Se-76

Cross Section

-0.998 To 16.55 %



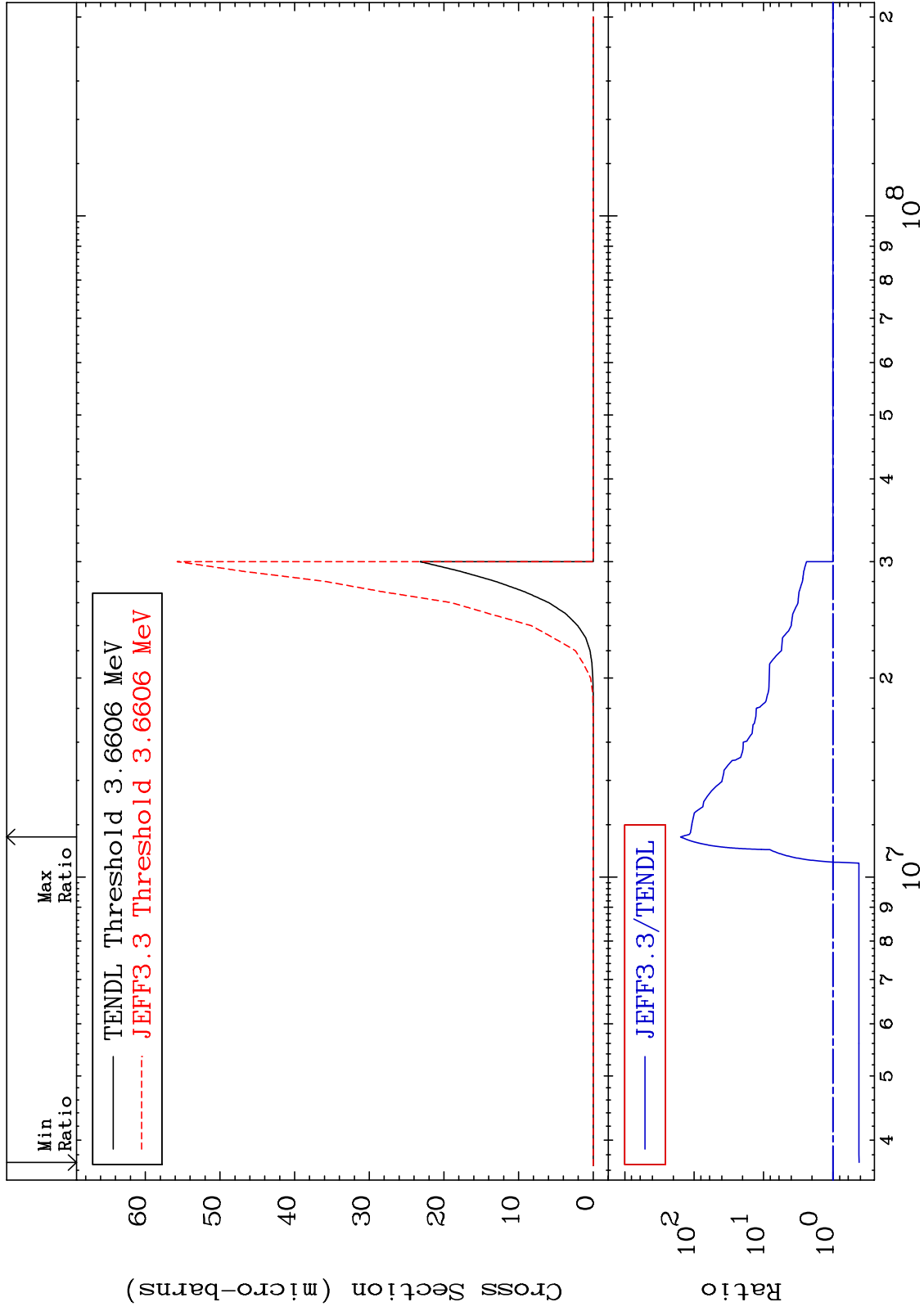
MAT 3431

(n, 2α)

³⁴Se-76

Cross Section

-58.18 To 9999. %



56

Incident Energy (eV)

³⁴Se-76

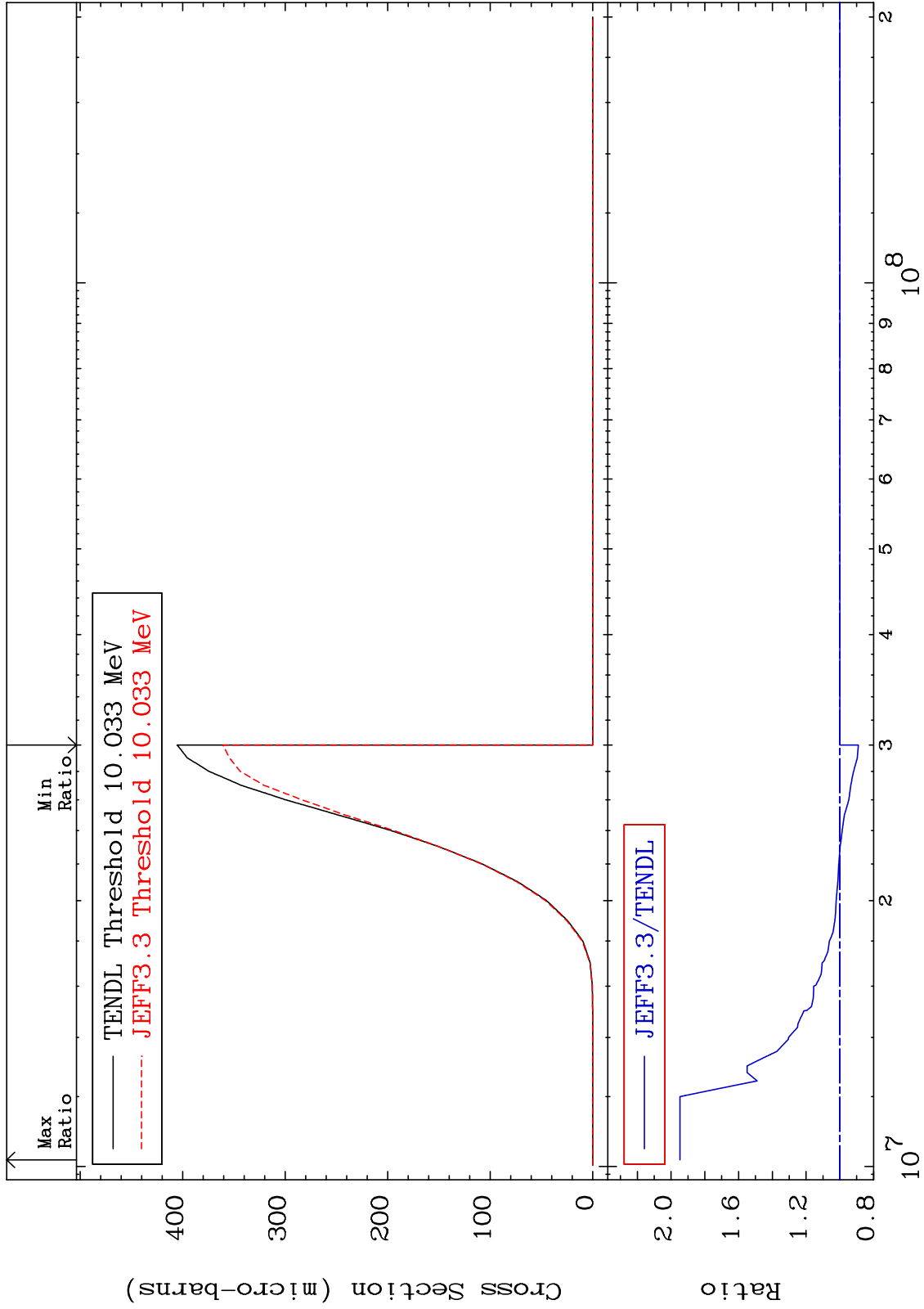
MAT 3431

(n,2p)

³⁴Se-76

Cross Section

-11.01 To 94.71 %



57

Incident Energy (eV)

³⁴Se-76

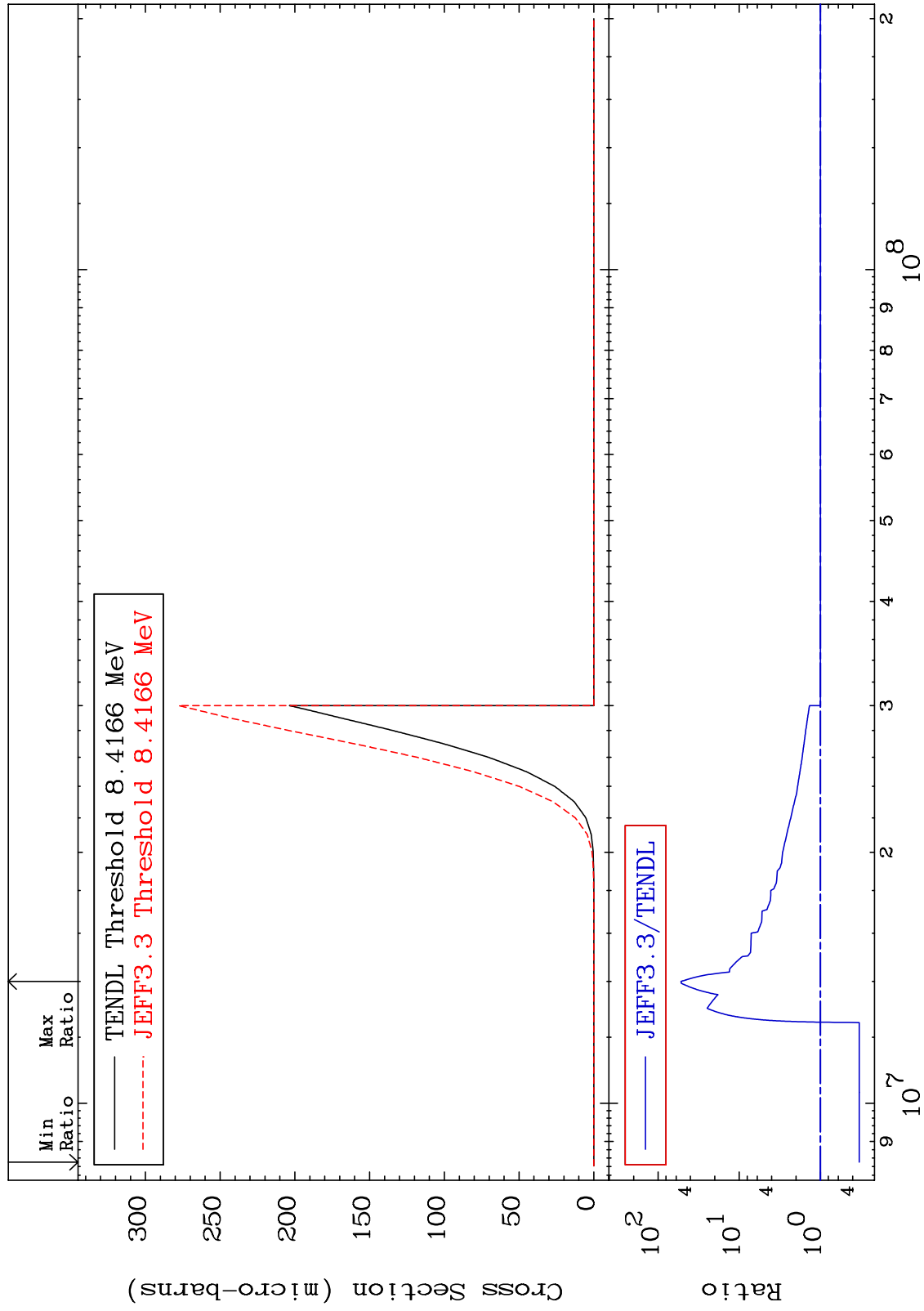
MAT 3431

(n,p) α

³⁴Se-76

Cross Section

-66.81 To 5118. %



58

Incident Energy (eV)

³⁴Se-76

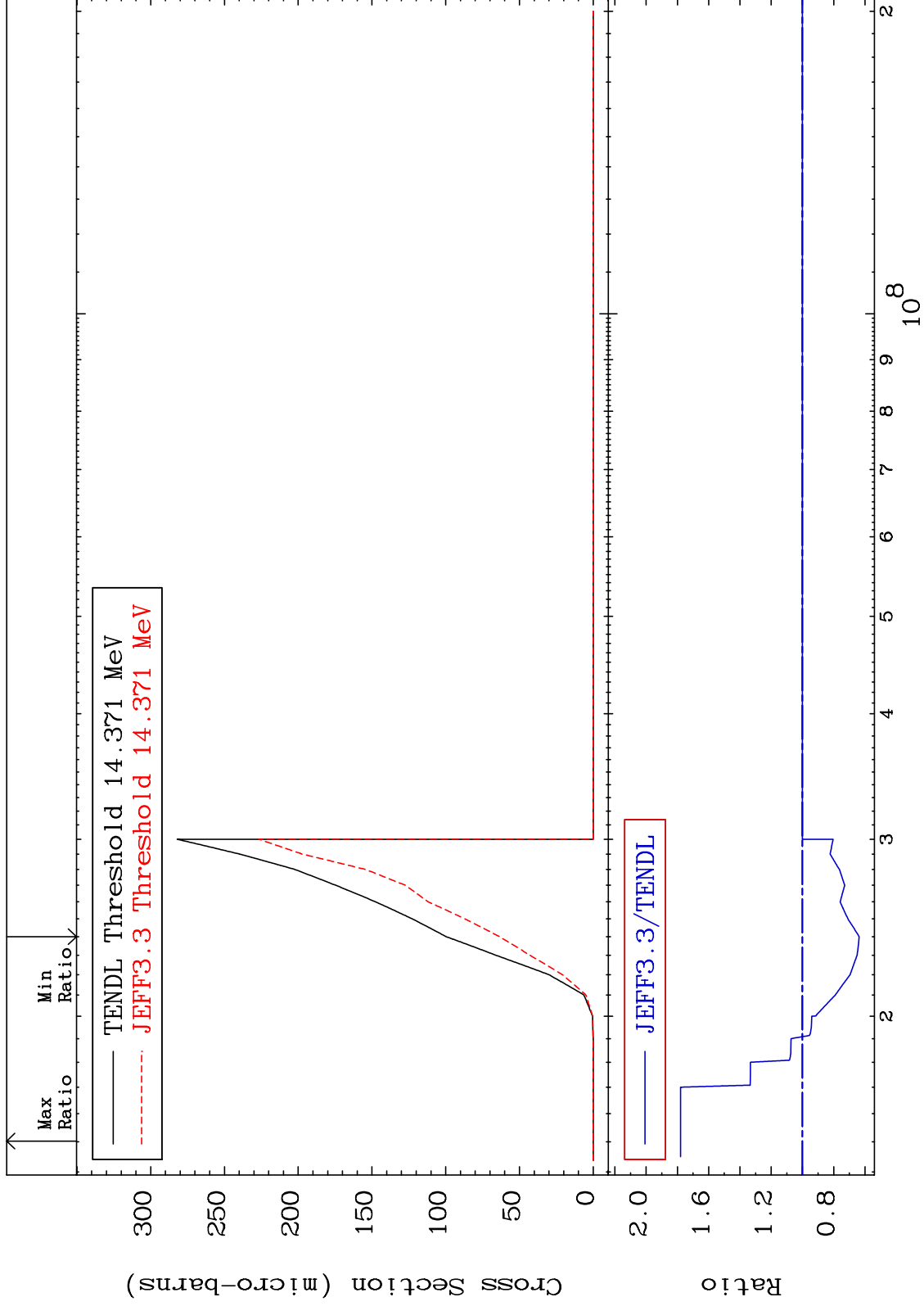
MAT 3431

(n,p) d

³⁴Se-76

Cross Section

-36.29 To 77.95 %



MAT 3431

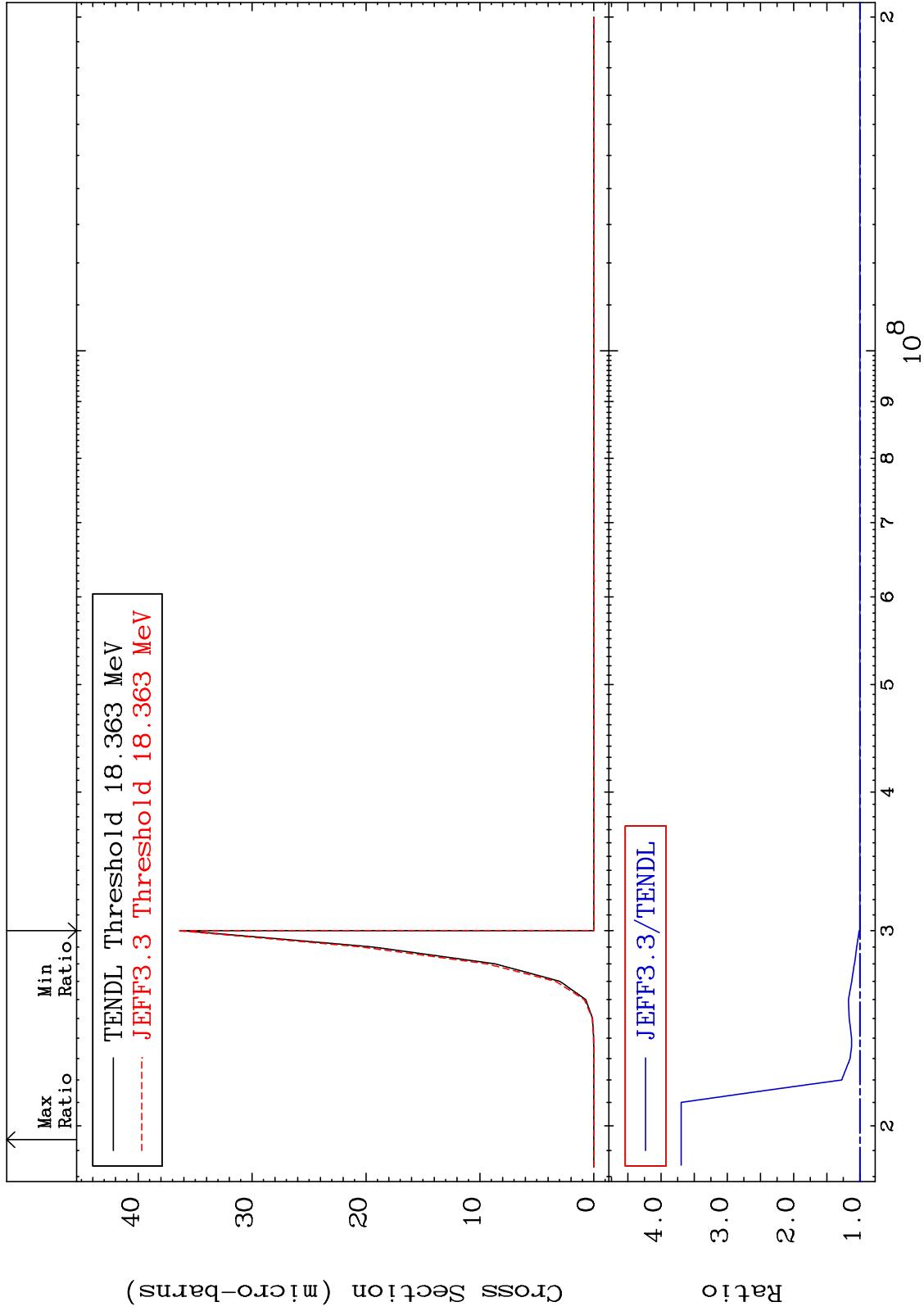
(n,p) t

³⁴Se-76

Cross Section

0.000

To 269.6 %



60

Incident Energy (eV)

³⁴Se-76

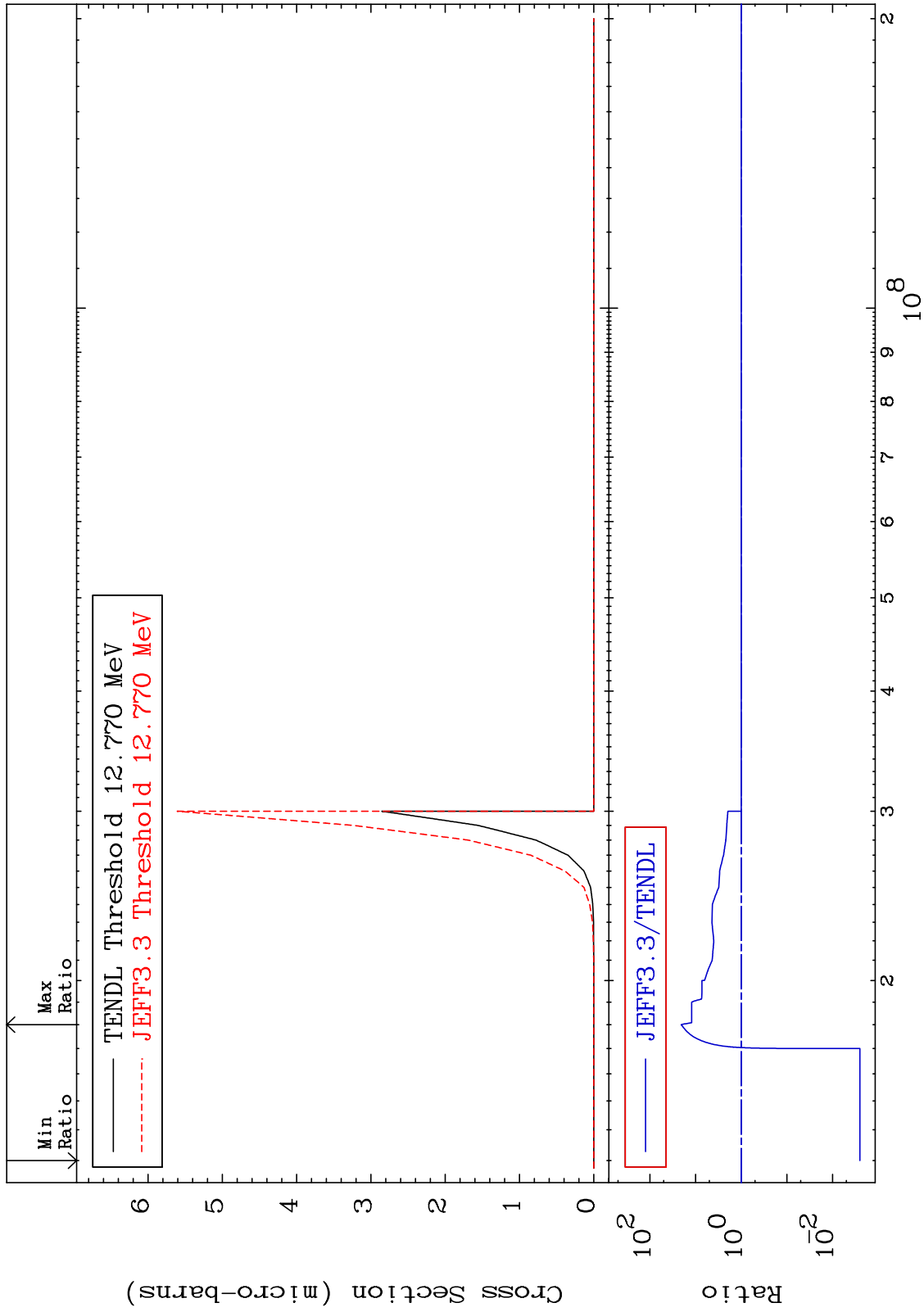
MAT 3431

(n,d) α

³⁴Se-76

Cross Section

-99.75 To 1966. %



61

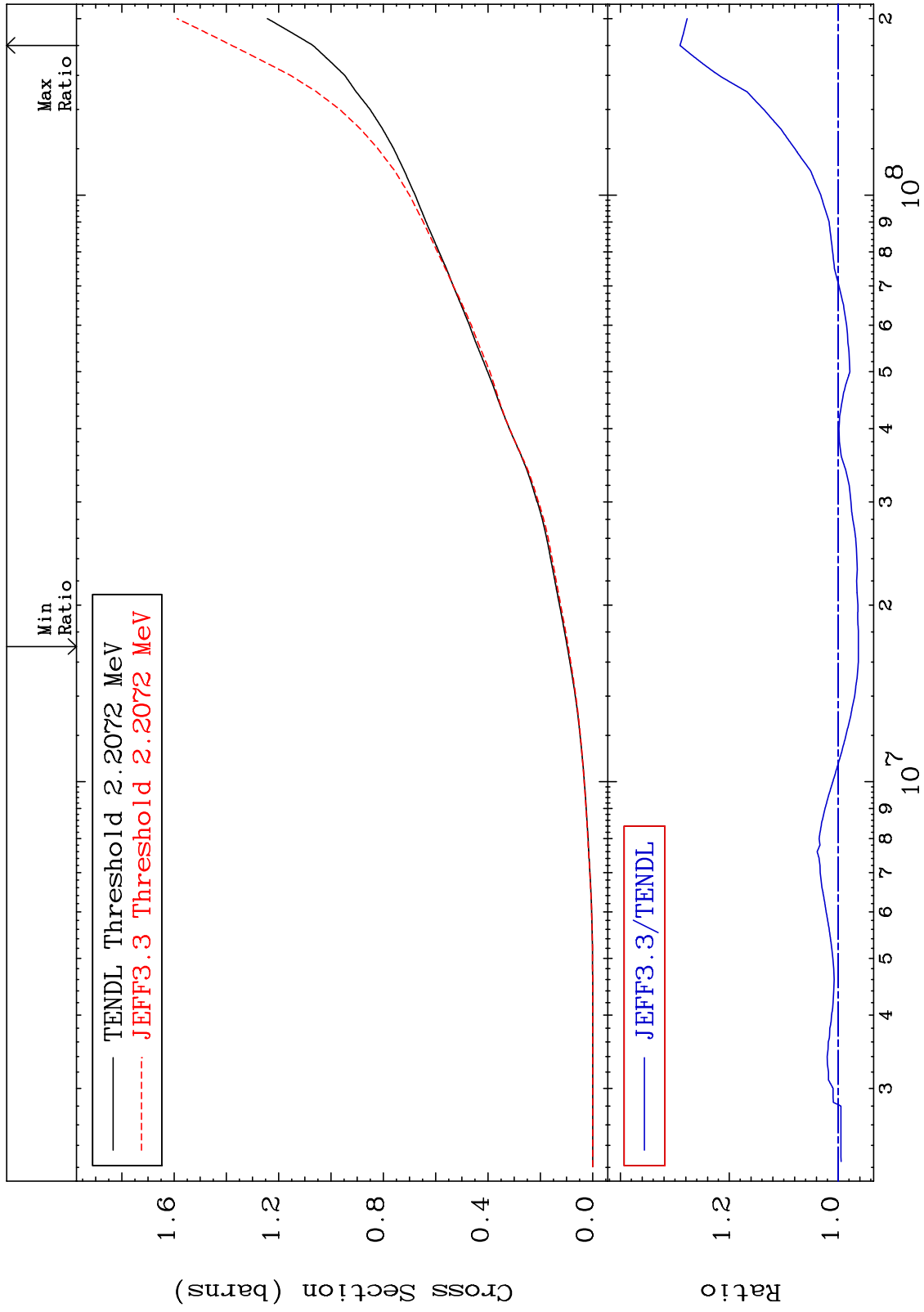
Incident Energy (eV)

³⁴Se-76

MAT 3431

Hydrogen Production
Cross Section

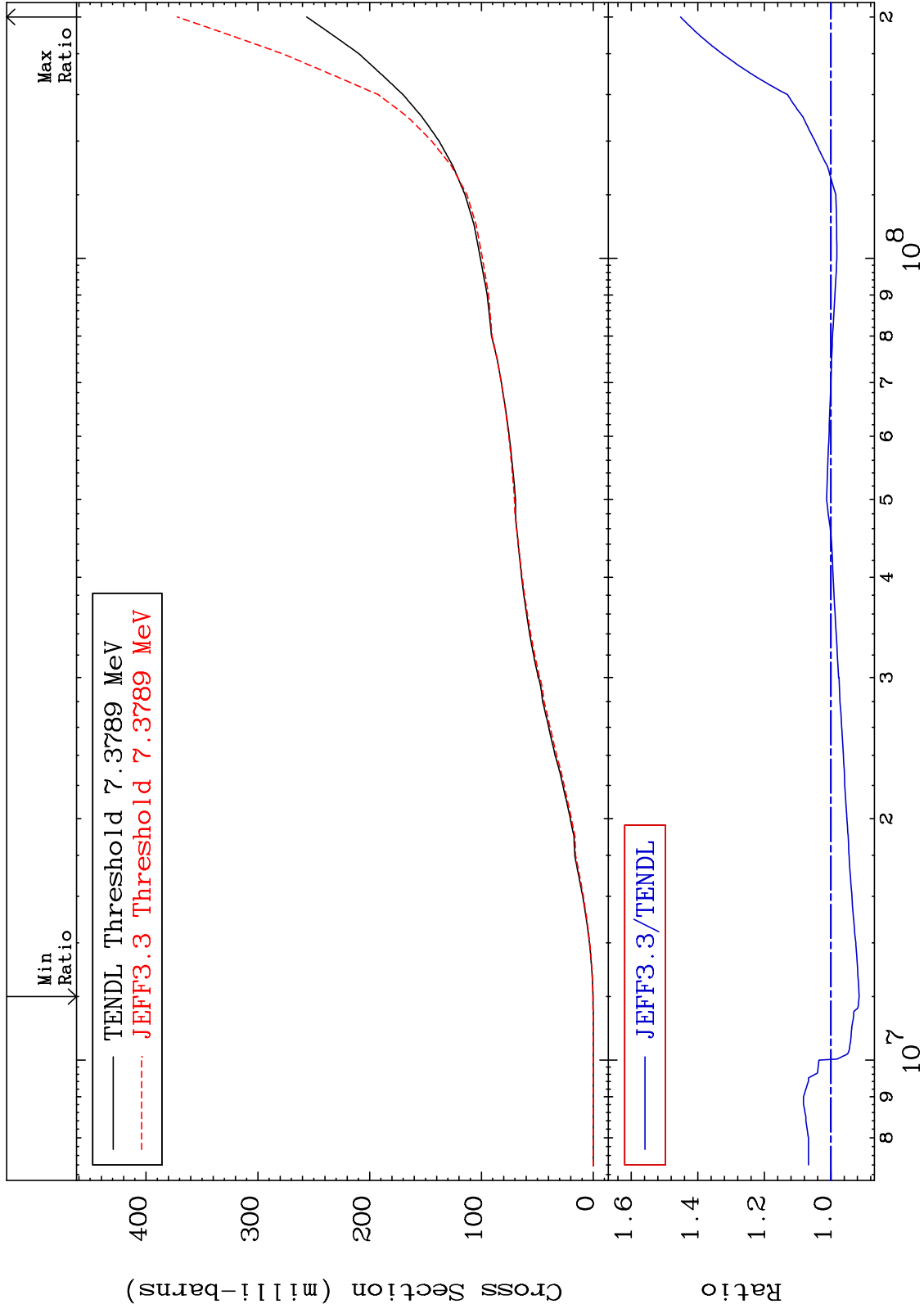
$^{34}\text{Se-76}$
-3.716 To 29.06 %



MAT 3431

Deuterium Production
Cross Section

³⁴Se-76
-8.507 To 45.15 %



63

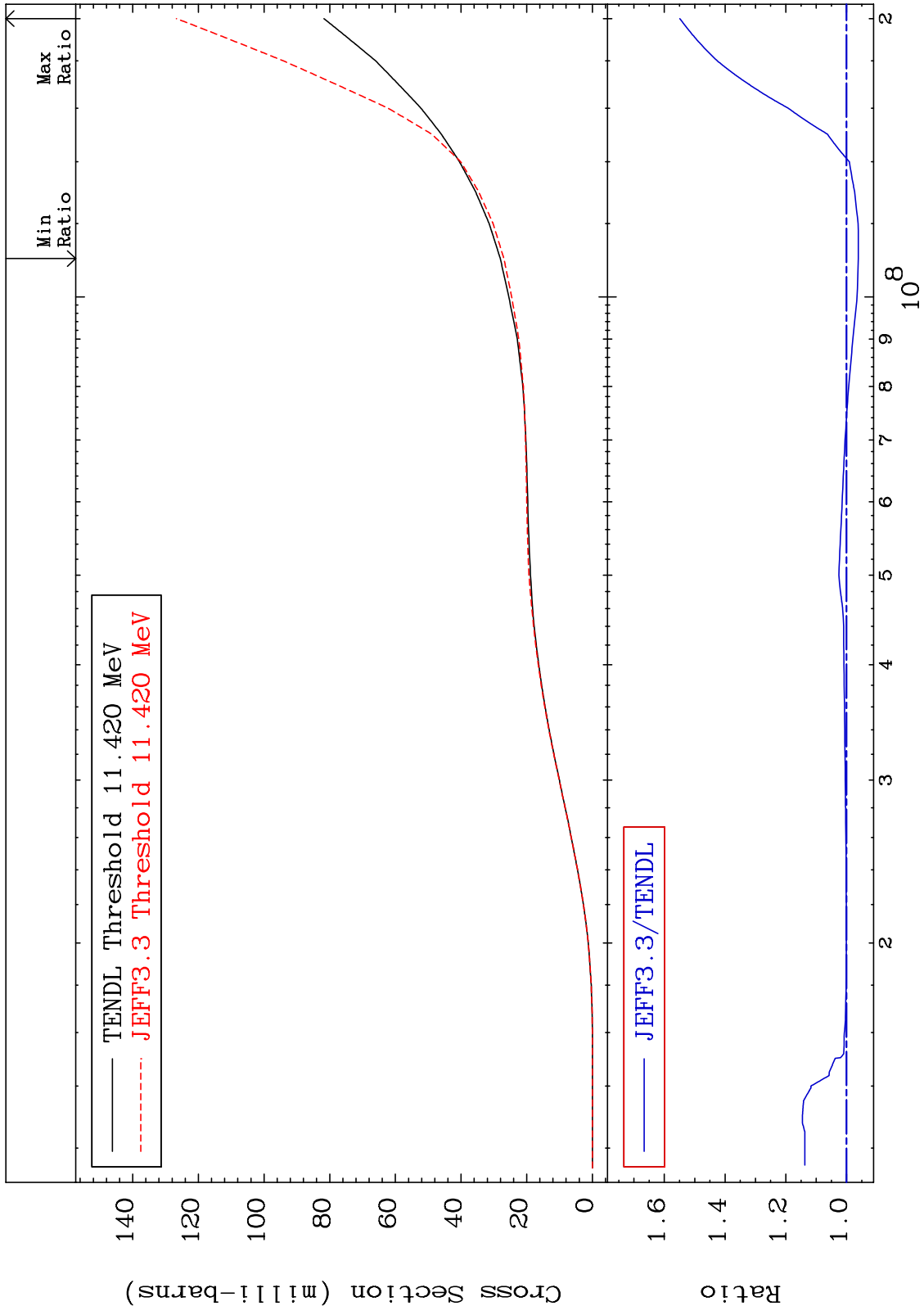
Incident Energy (eV)

³⁴Se-76

MAT 3431

Tritium Production
Cross Section

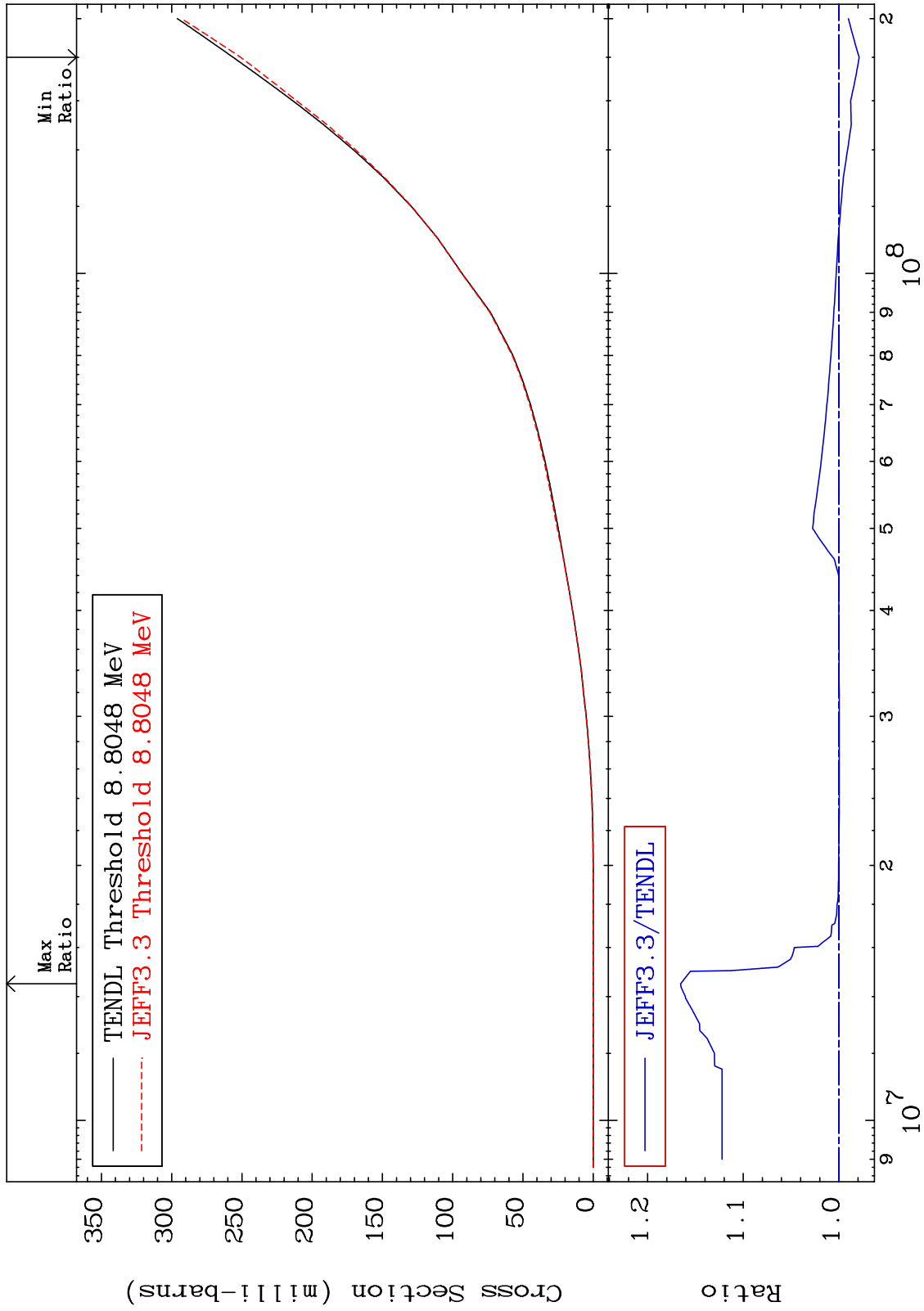
34-Se-76
-3.876 To 54.91 %



MAT 3431

He-3 Production
Cross Section

34-Se-76
-2.124 To 16.55 %



65

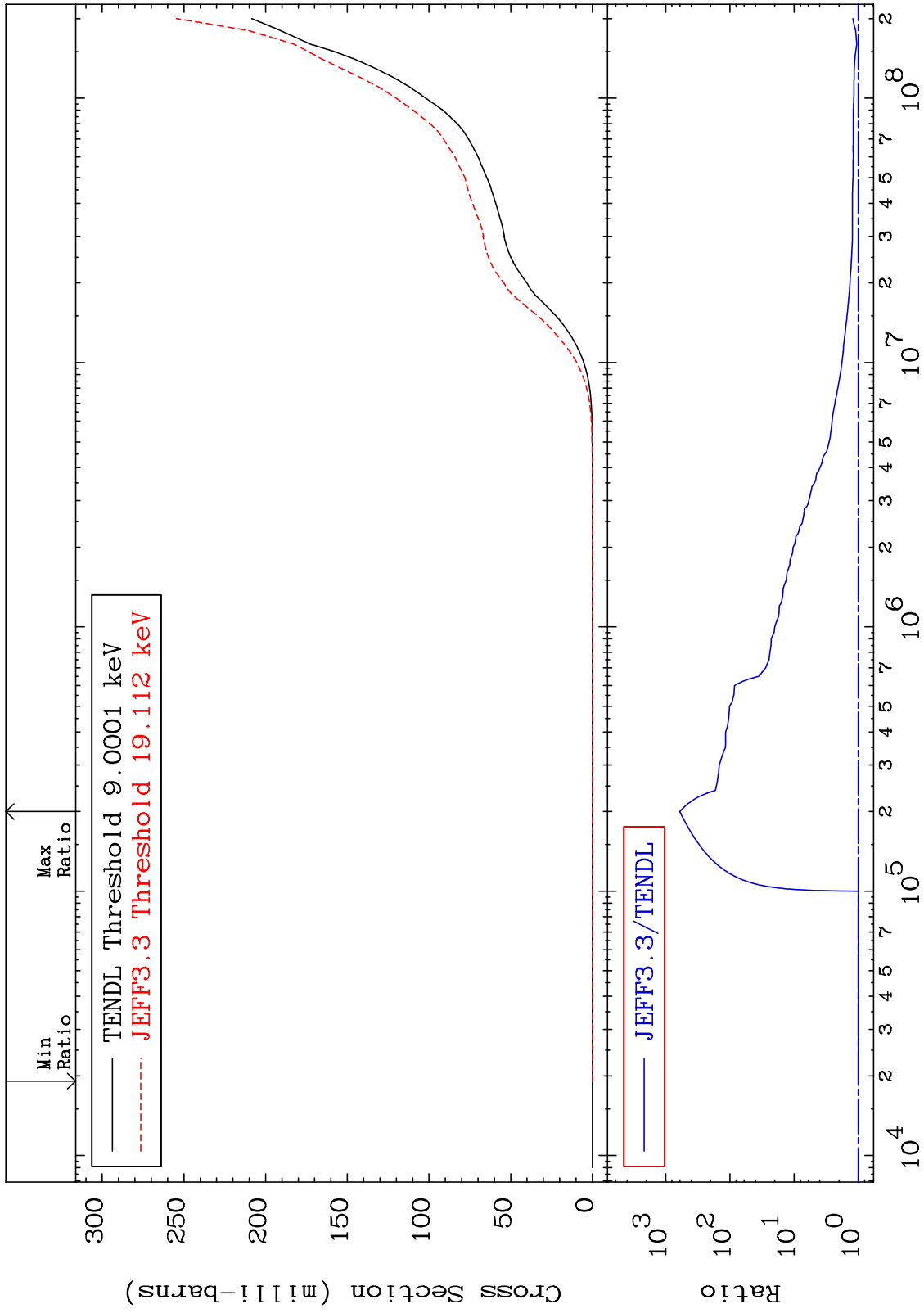
Incident Energy (eV)

34-Se-76

MAT 3431

He-4 Production
Cross Section

34-Se-76
0.000 To 9999. %



66

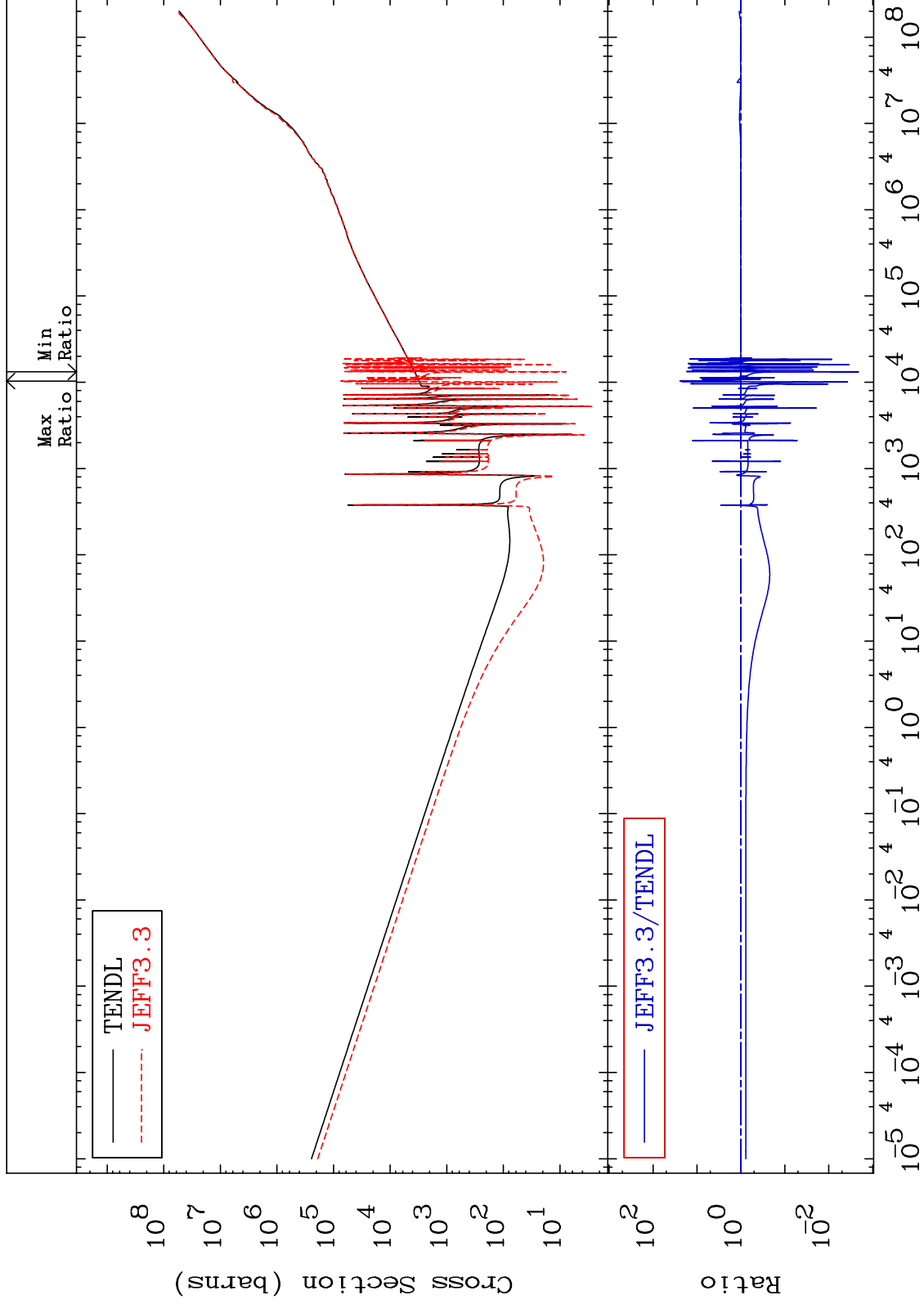
Incident Energy (eV)

34-Se-76

MAT 3431

Kerma total (eV-barns)
Cross Section

34-Se-76
-99.79 To 2330. %



67

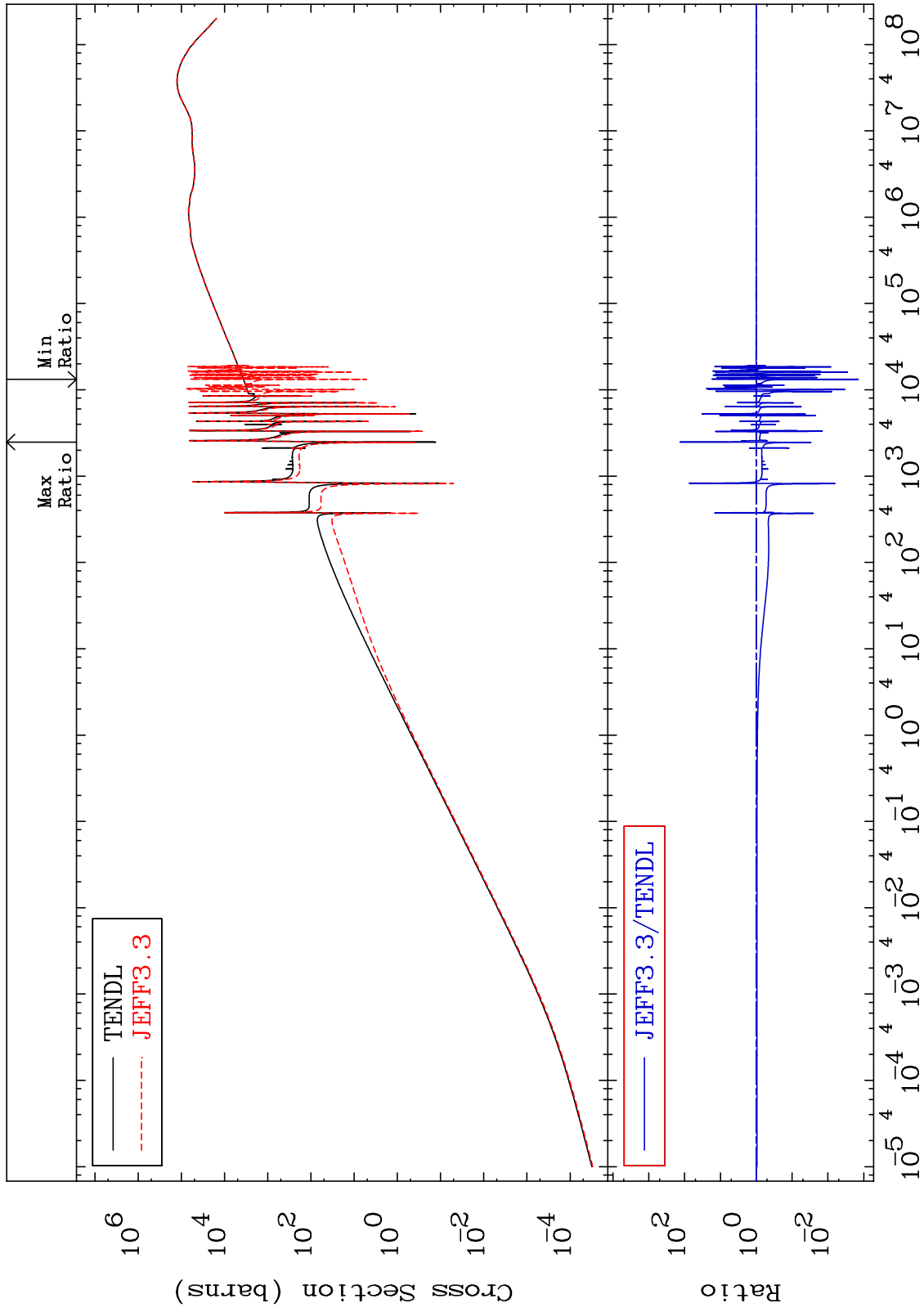
Incident Energy (eV)

34-Se-76

MAT 3431

Kerma elastic
Cross Section

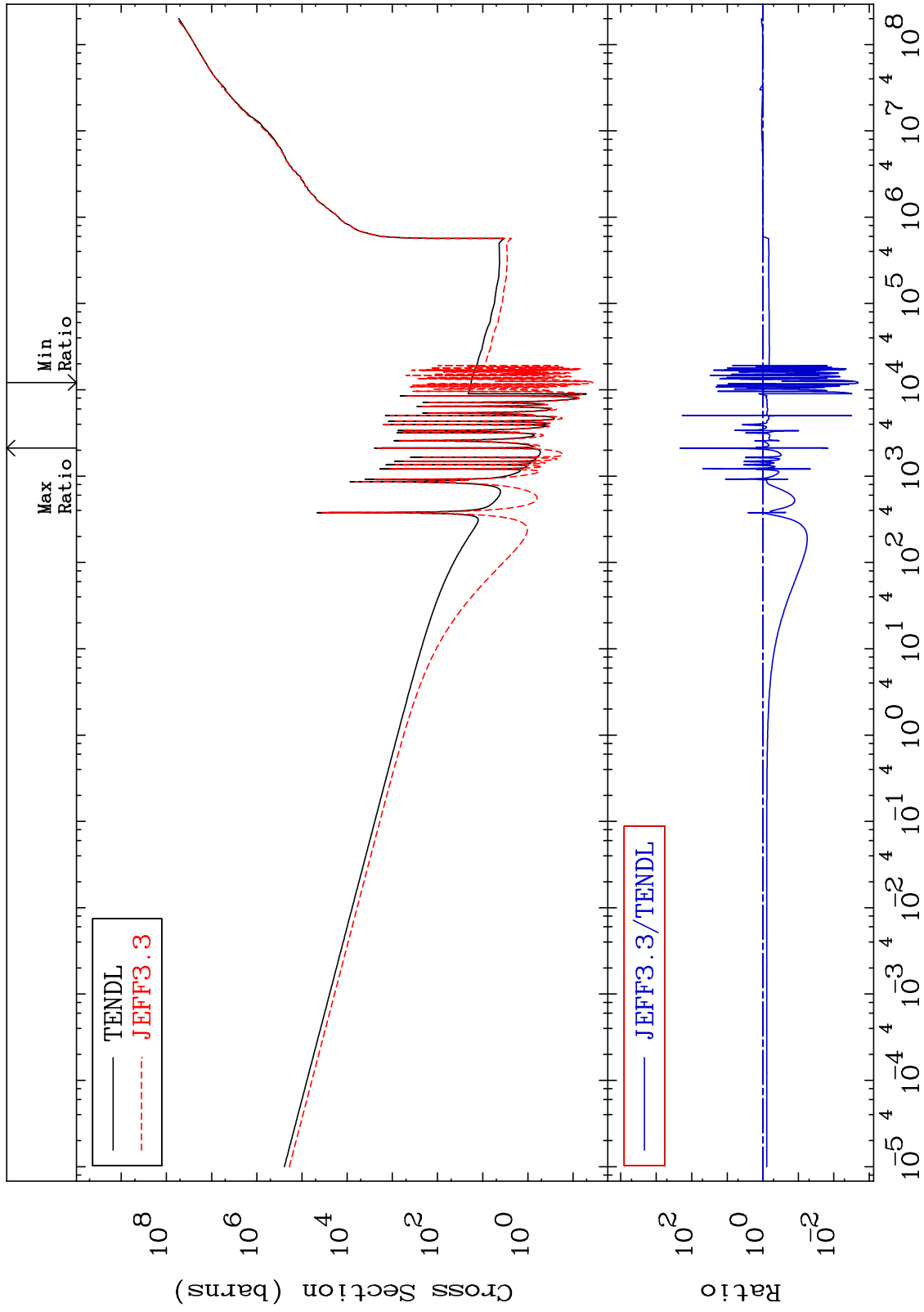
34-Se-76
-99.86 To 9999. %



MAT 3431

Kerma non-elastic (all but mt2)
Cross Section

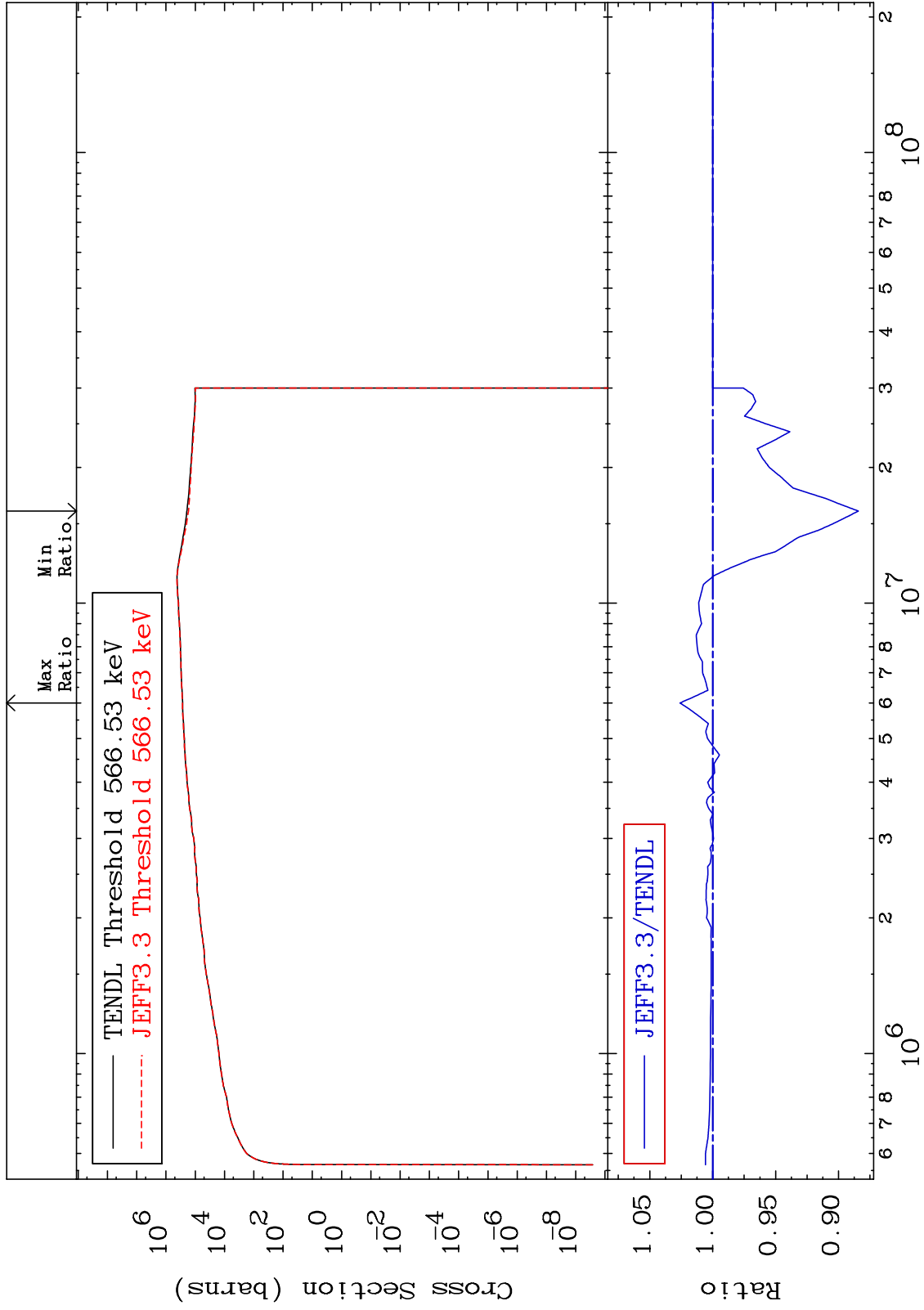
34-Se-76
-99.80 To 9999. %



MAT 3431

Kerma inelastic (mt51-91)
Cross Section

34-Se-76
-11.58 To 2.596 %



70

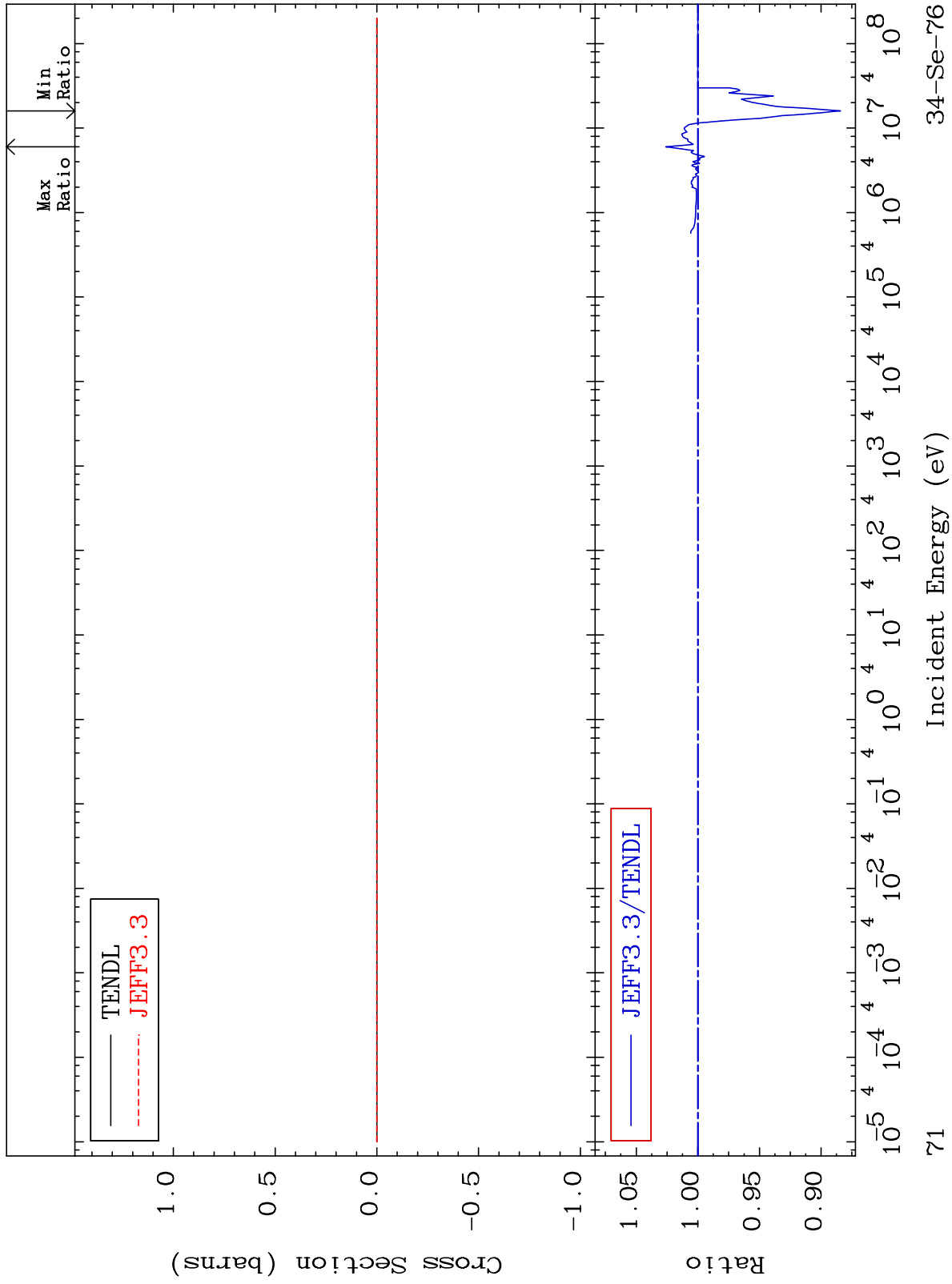
Incident Energy (eV)

34-Se-76

MAT 3431

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

34-Se-76
-11.58 To 2.596 %



71

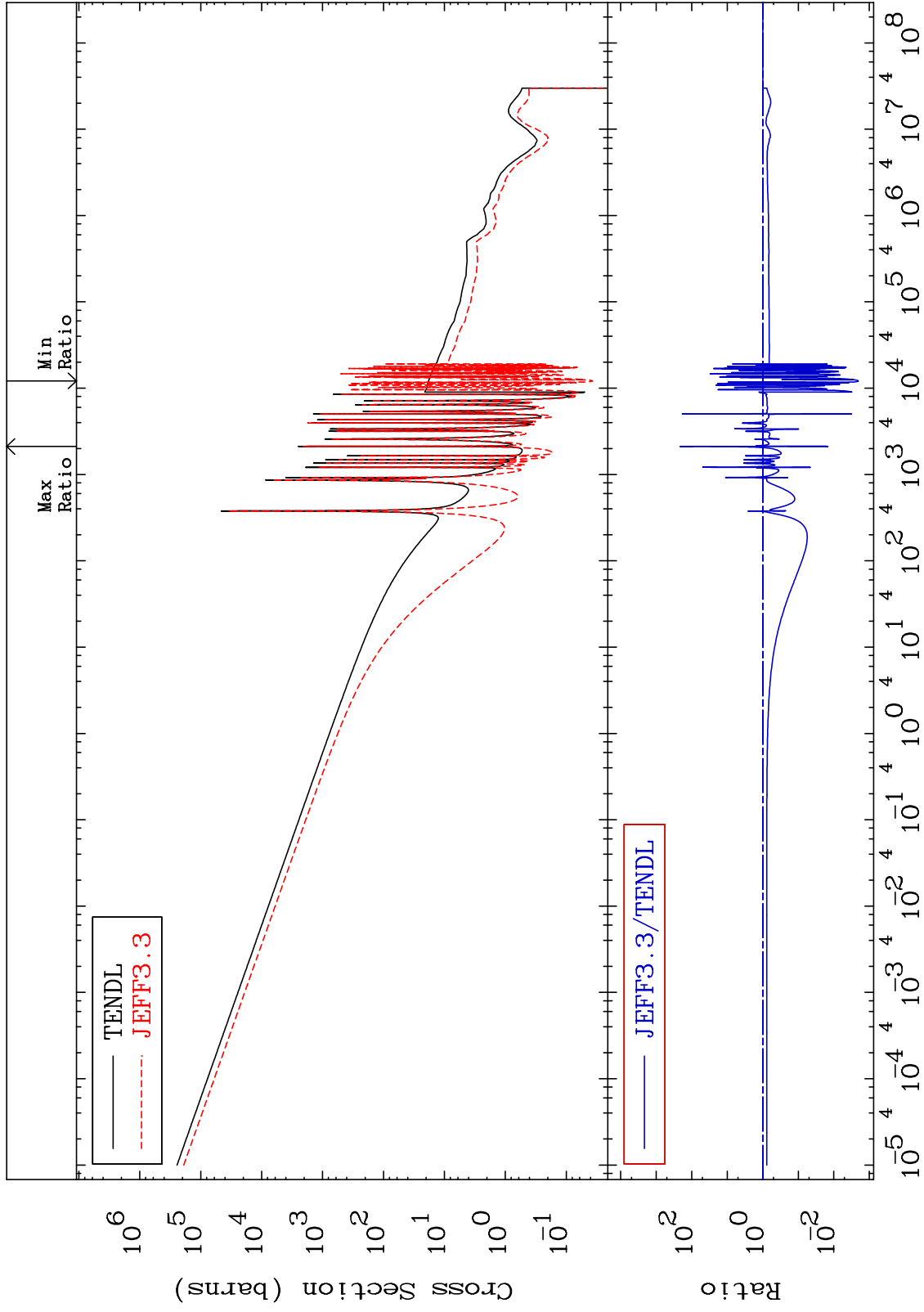
Incident Energy (eV)

34-Se-76

MAT 3431

Kerma capture (mt102)
Cross Section

34-Se-76
-99.80 To 9999. %



72

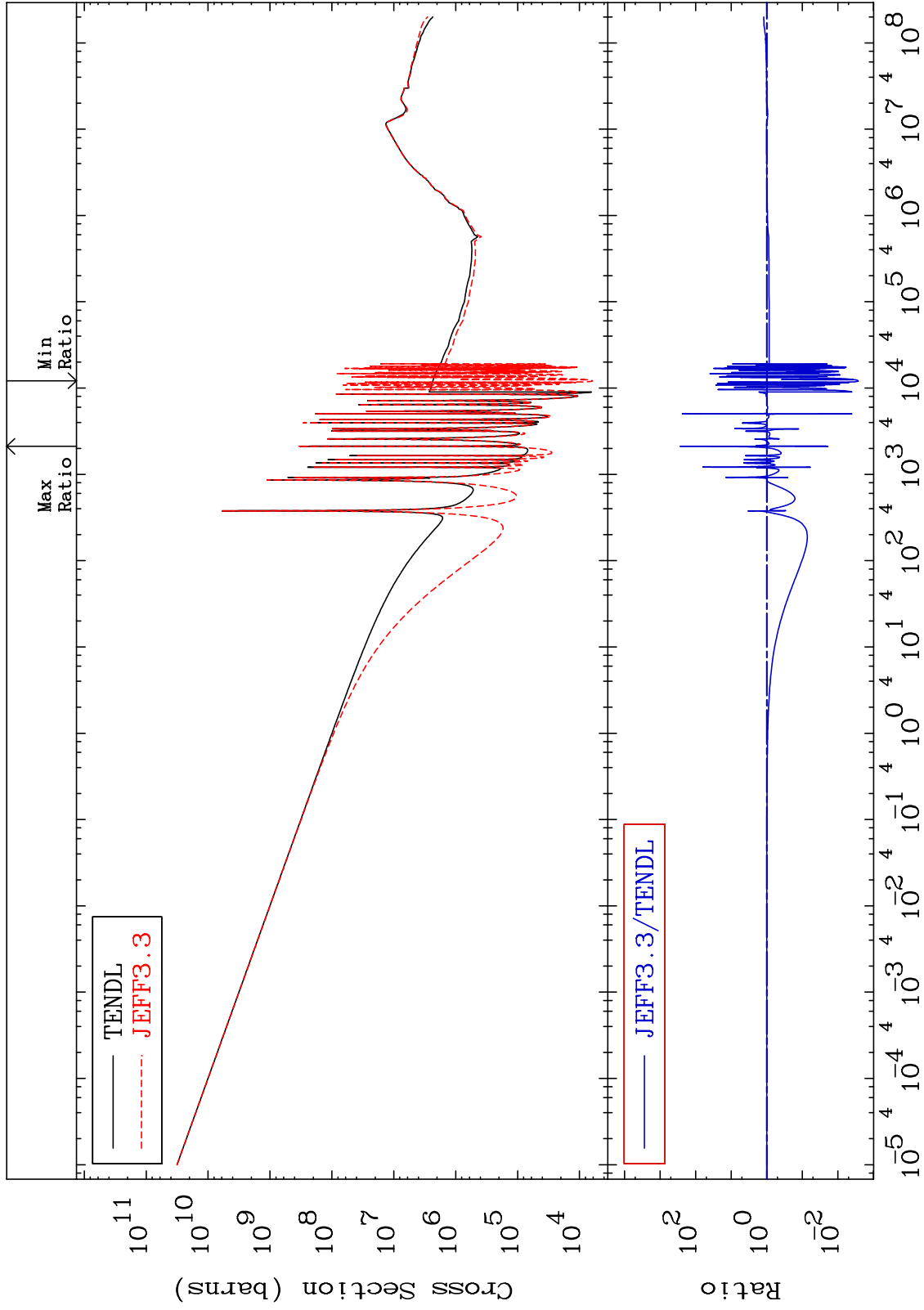
Incident Energy (eV)

34-Se-76

MAT 3431

Total photon (eV-barns)
Cross Section

34-Se-76
-99.74 To 9999. %



73

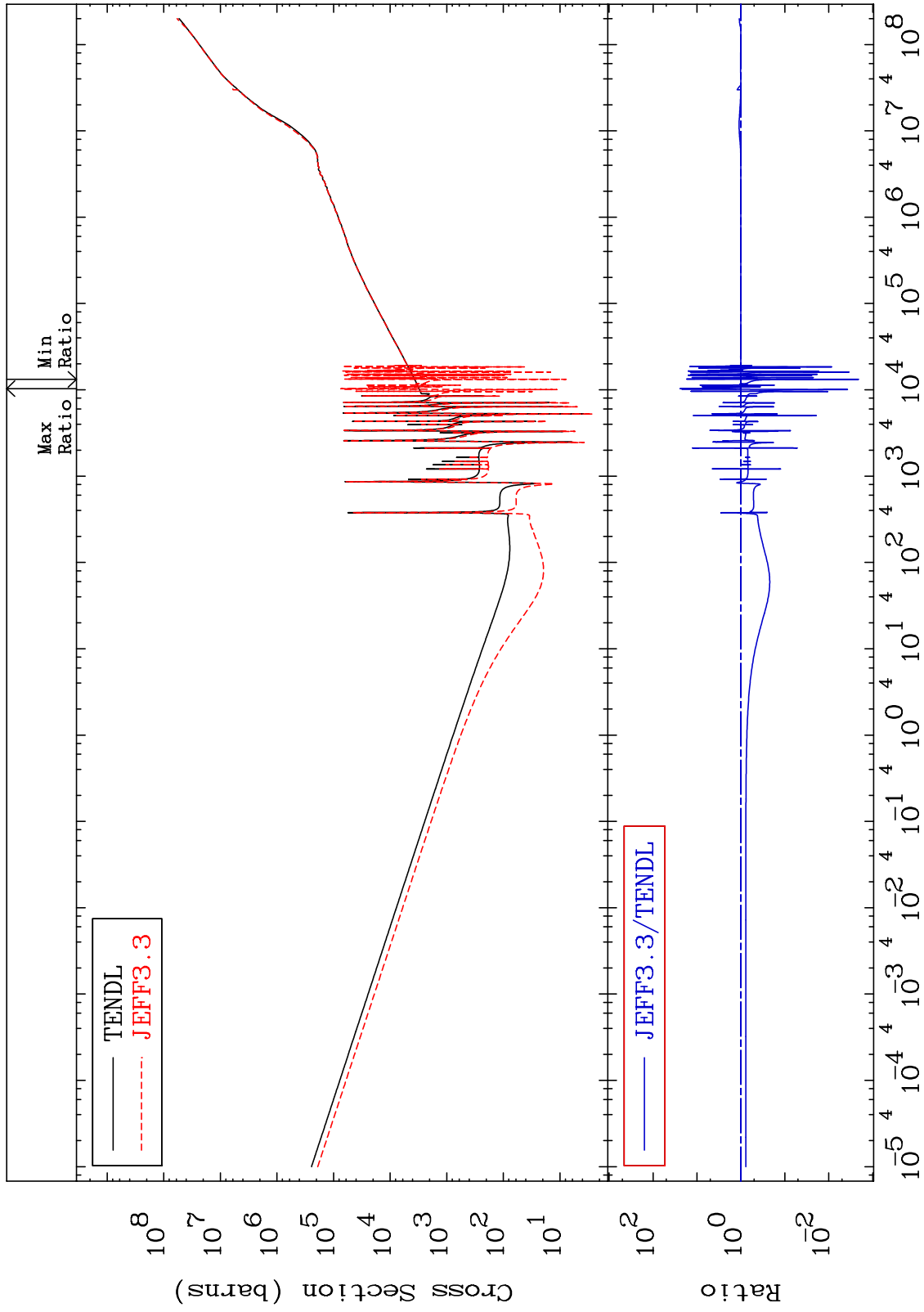
Incident Energy (eV)

34-Se-76

MAT 3431

Total kinematic kerma (high limit)
Cross Section

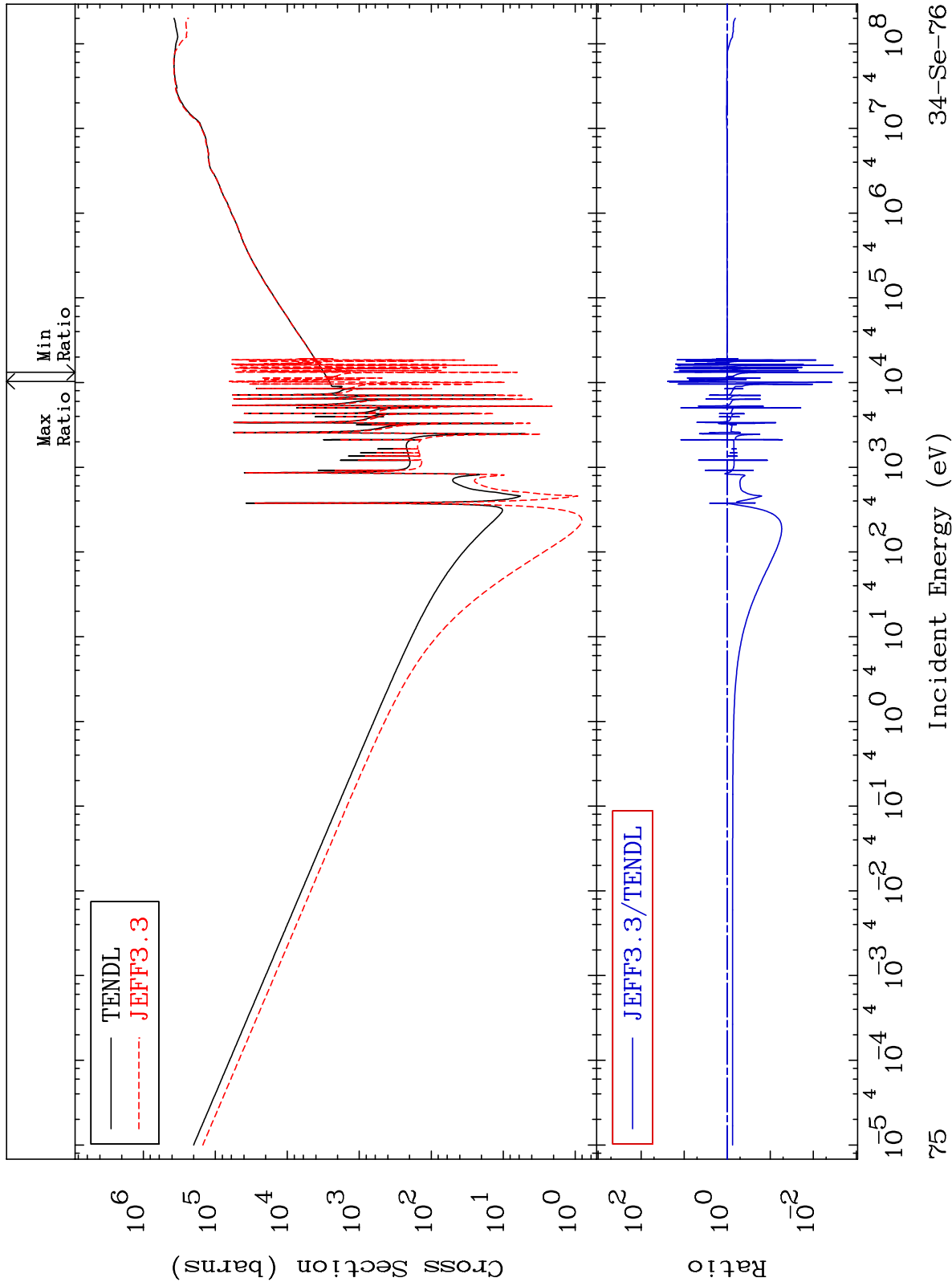
34-Se-76
-99.79 To 2330. %



MAT 3431

Dpa total (eV-barns)
Cross Section

34-Se-76
-99.79 To 2332. %



75

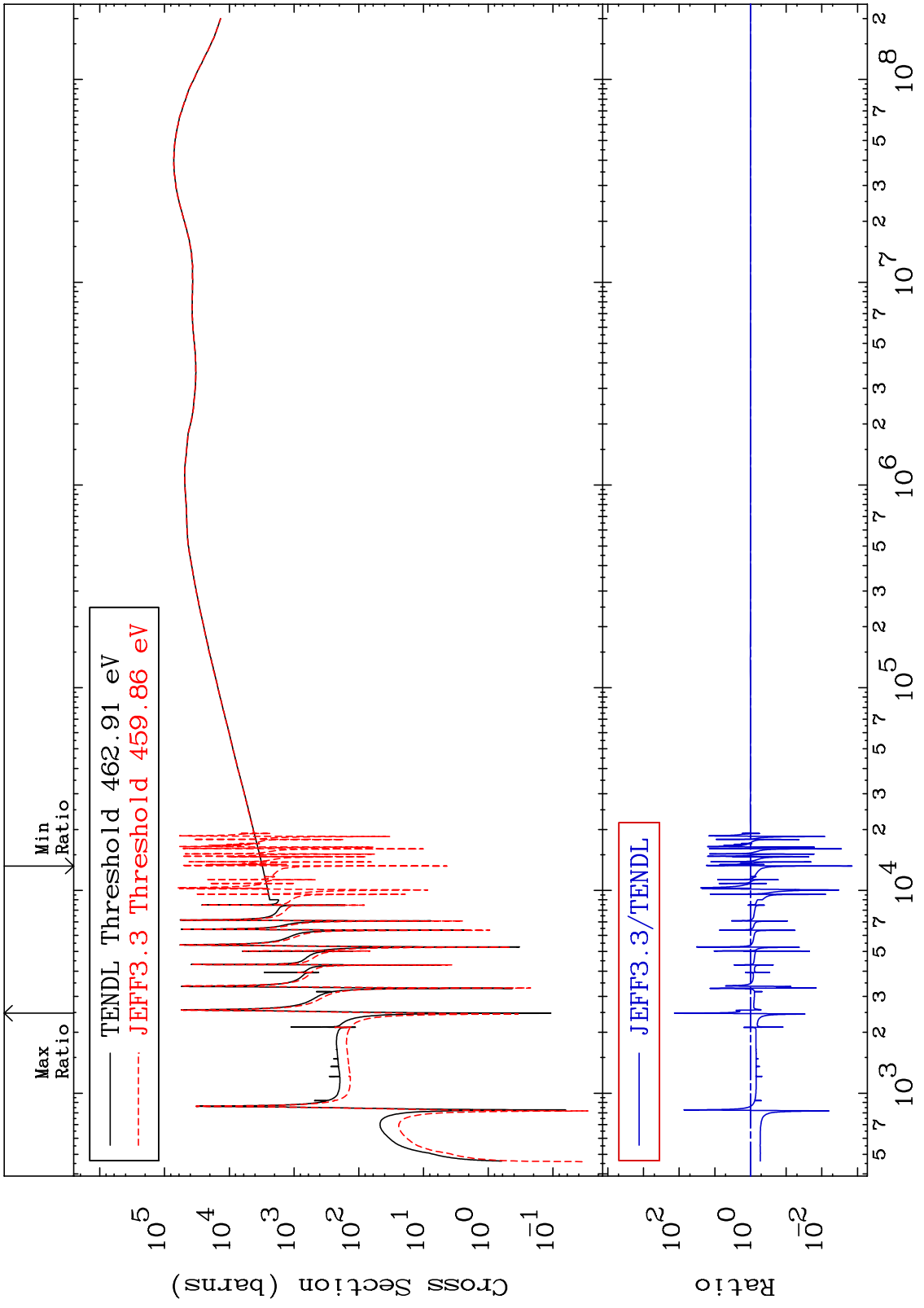
Incident Energy (eV)

34-Se-76

MAT 3431

Dpa elastic (mt2)
Cross Section

34-Se-76
-99.86 To 9999. %



76

Incident Energy (eV)

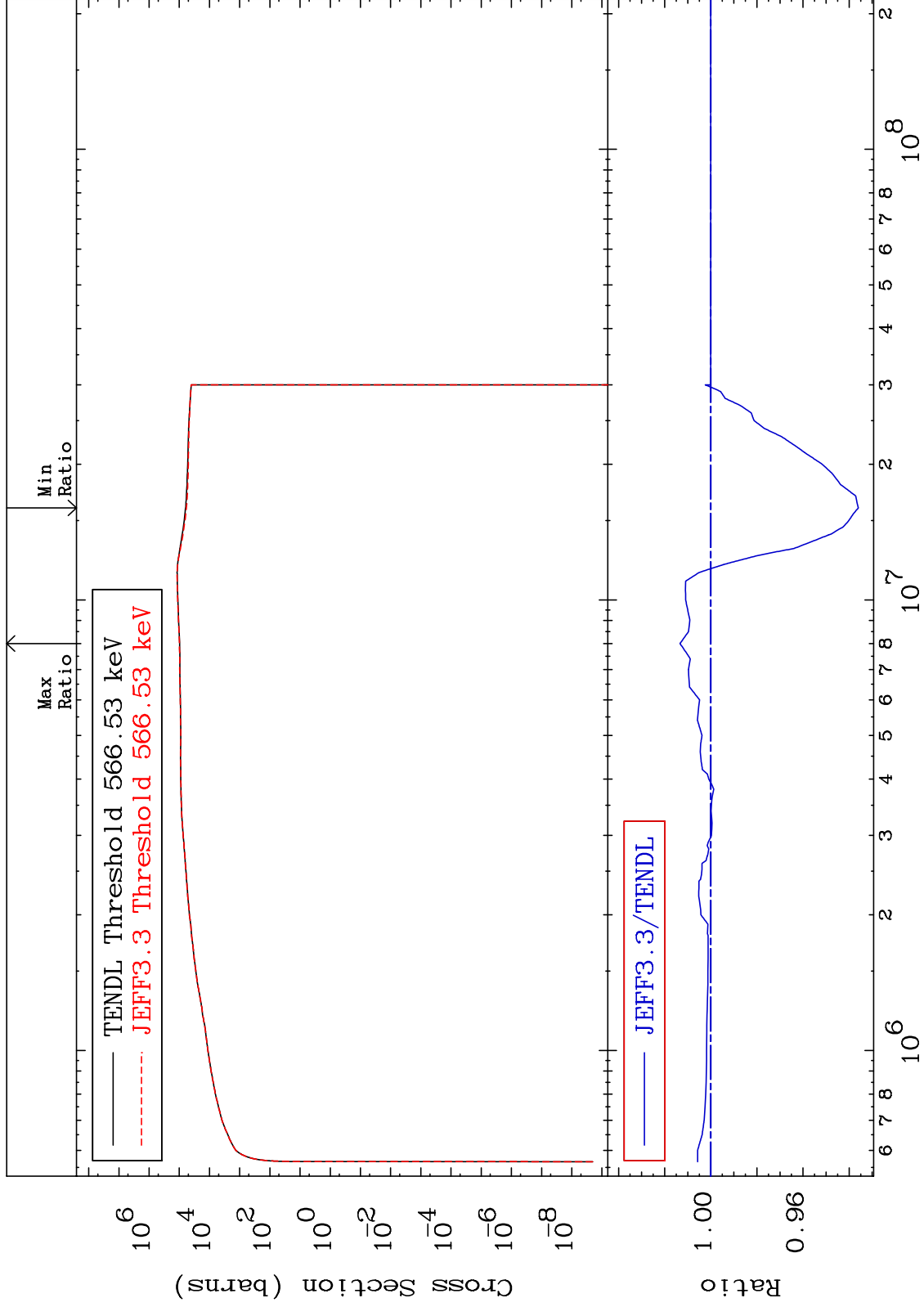
34-Se-76

MAT 3431

Dpa inelastic (mt51-91)

34-Se-76

-6.402 To 1.335 %



77

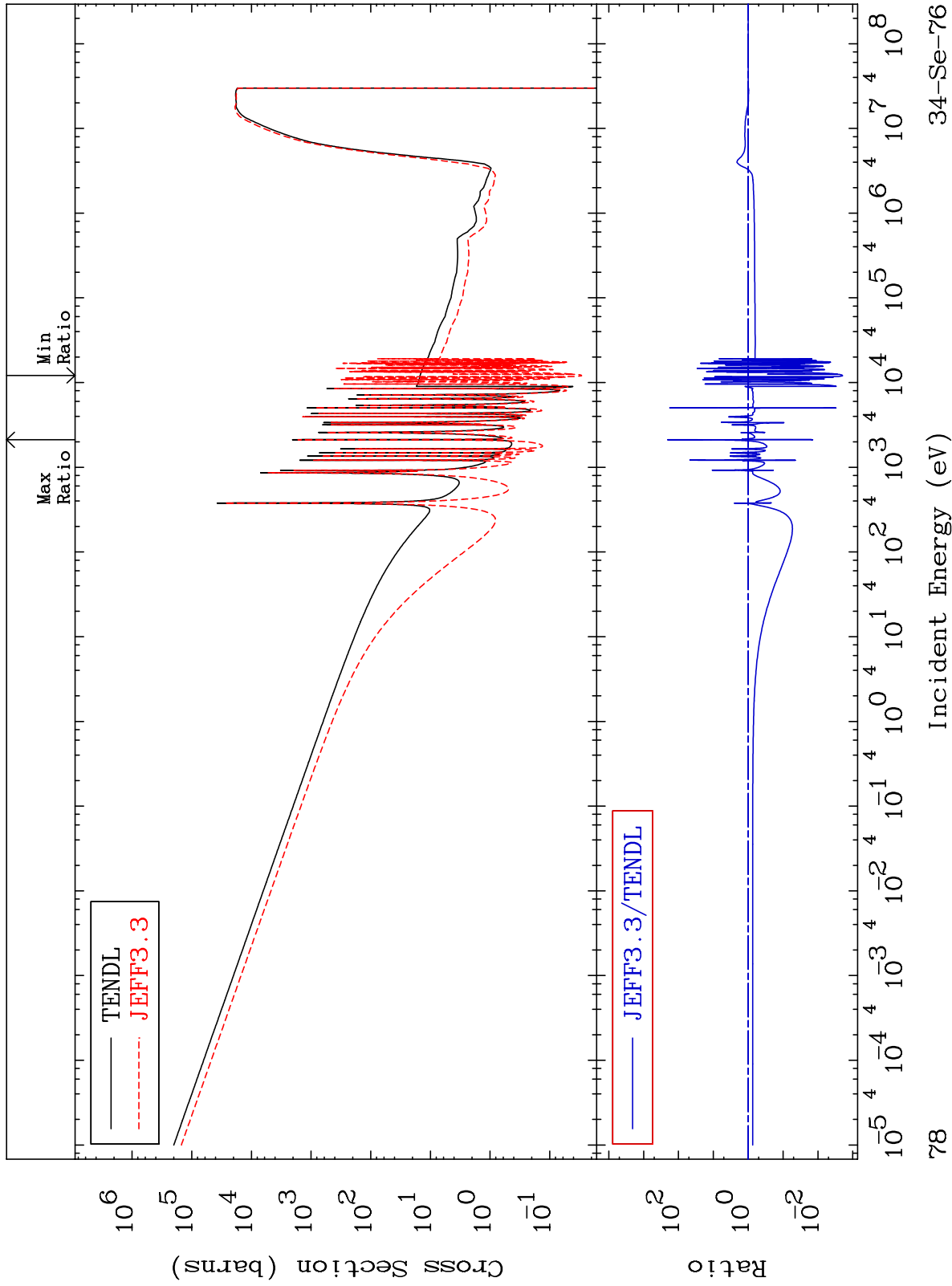
Incident Energy (eV)

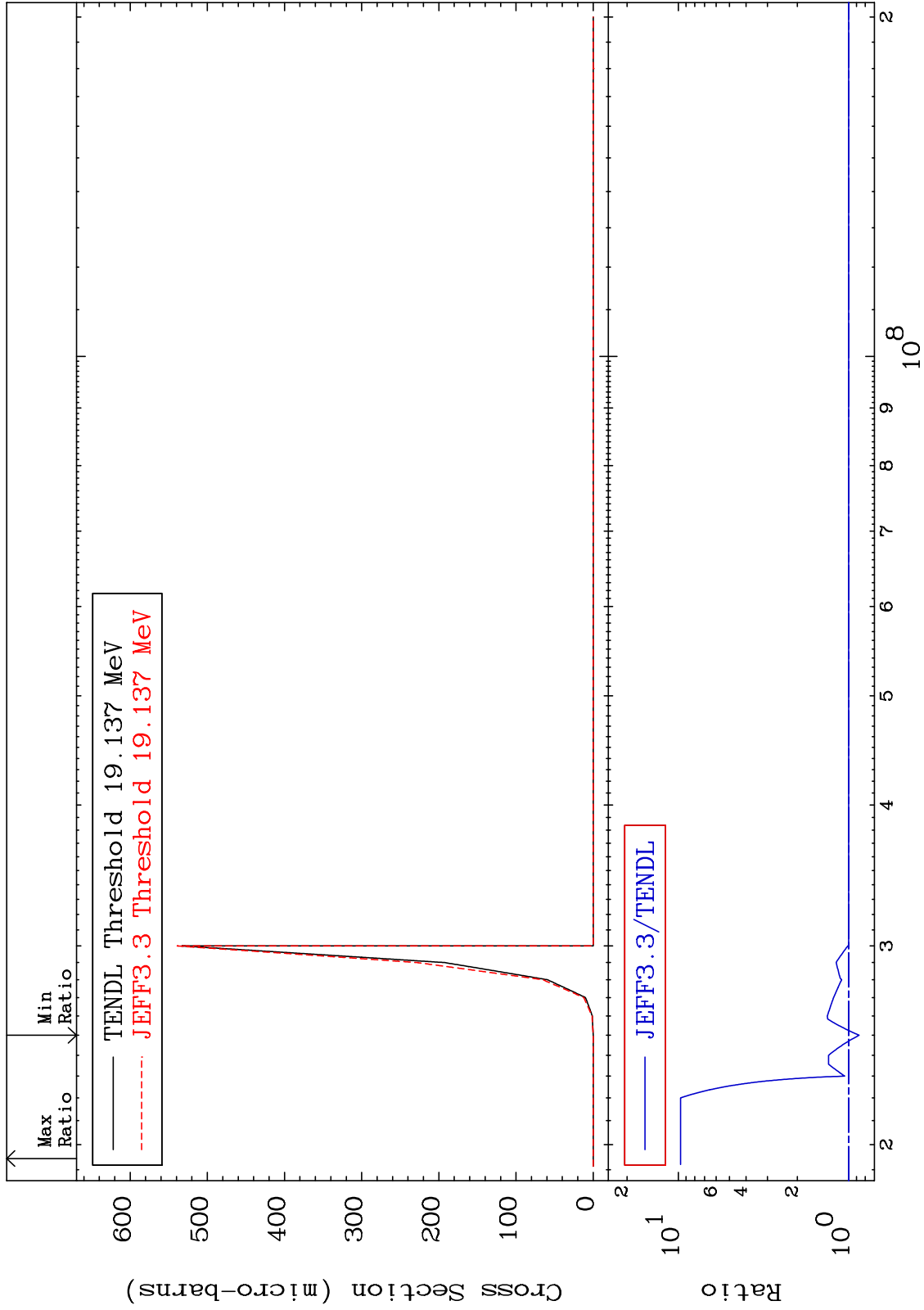
34-Se-76

MAT 3431

Dpa disappearance (mt102 -120)
Cross Section

34-Se-76
-99.80 To 9999. %



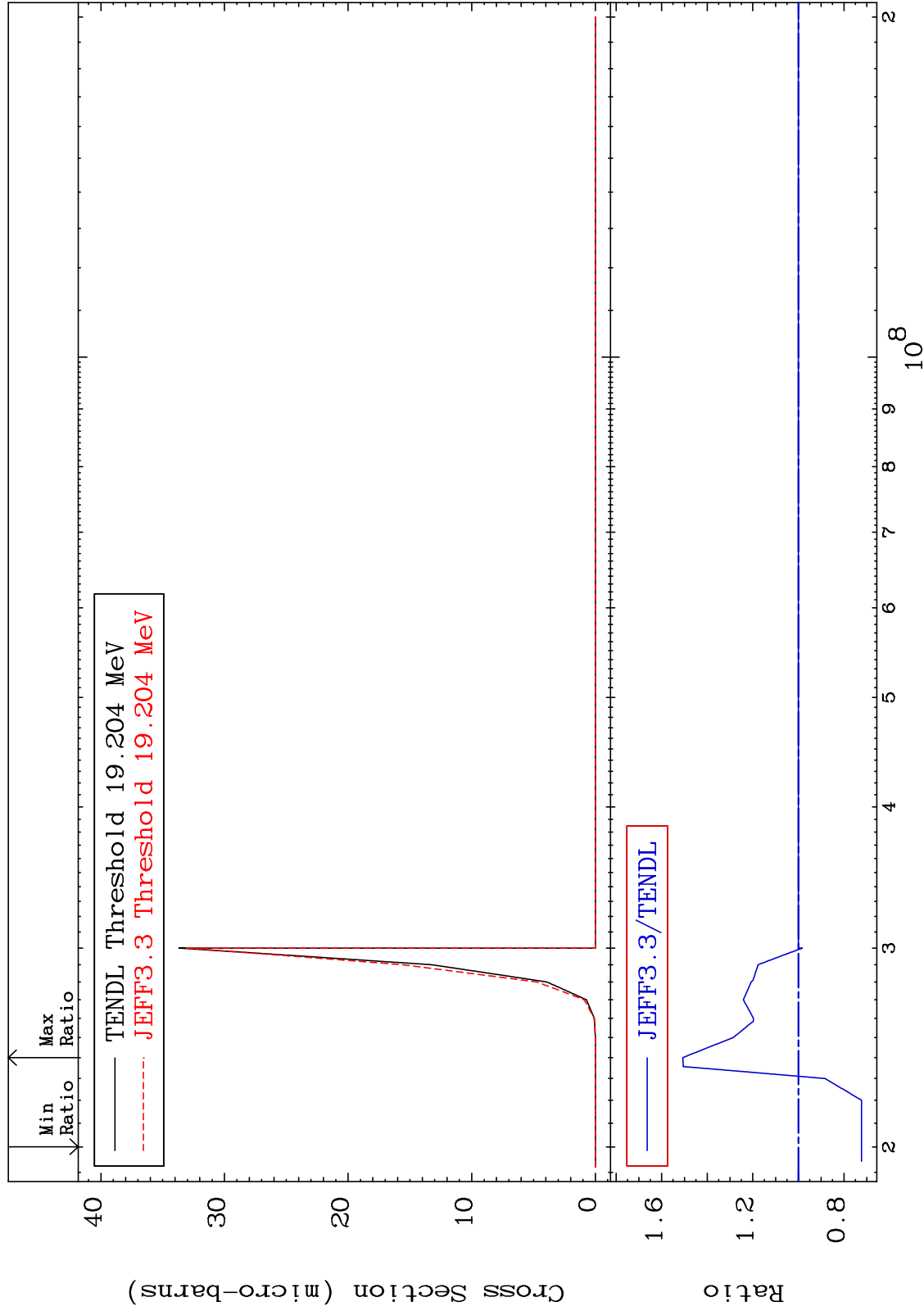


MAT 3431

(n, n') He-3:32-Ge-73m2

34-Se-76

Radionuclide Production Cross Section -27.73 To 50.70 %



80

Incident Energy (eV)

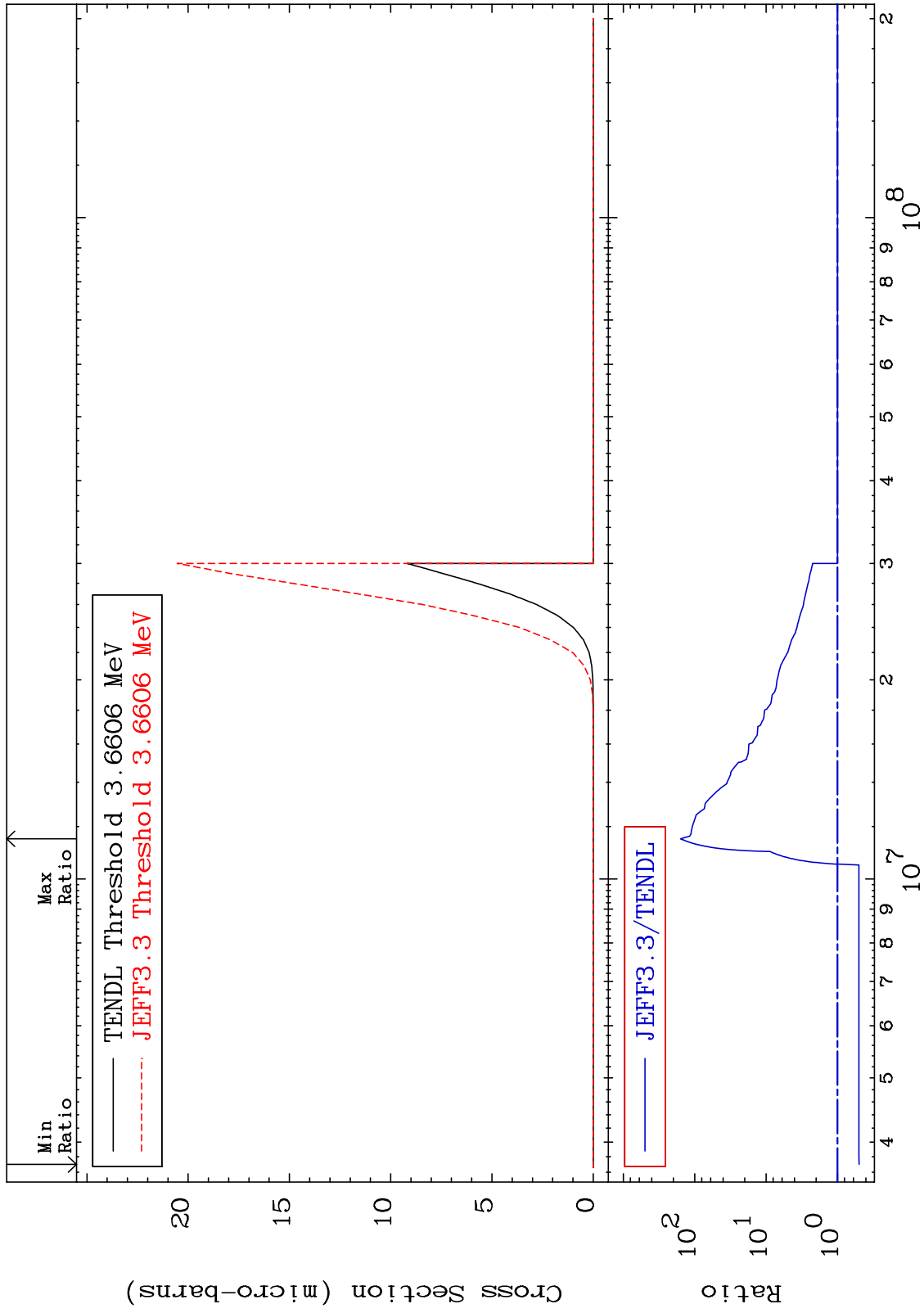
34-Se-76

MAT 3431

(n,2α):30-Zn-69g

34-Se-76

Radionuclide Production Cross Section -50.17 To 9999. %



81

Incident Energy (eV)

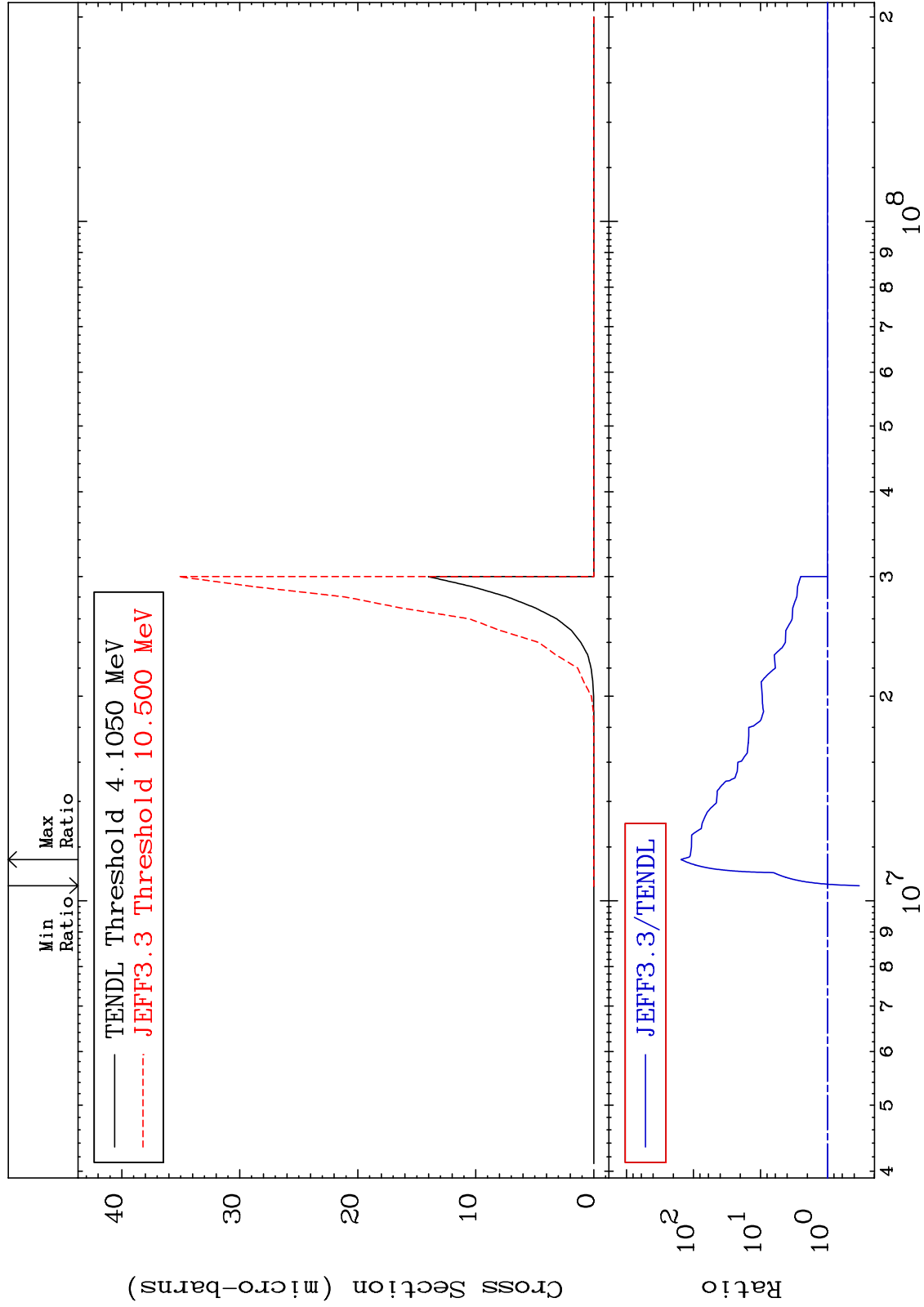
34-Se-76

MAT 3431

(n,2α):30-Zn-69m1

34-Se-76

Radionuclide Production Cross Section -66.48 To 9999. %

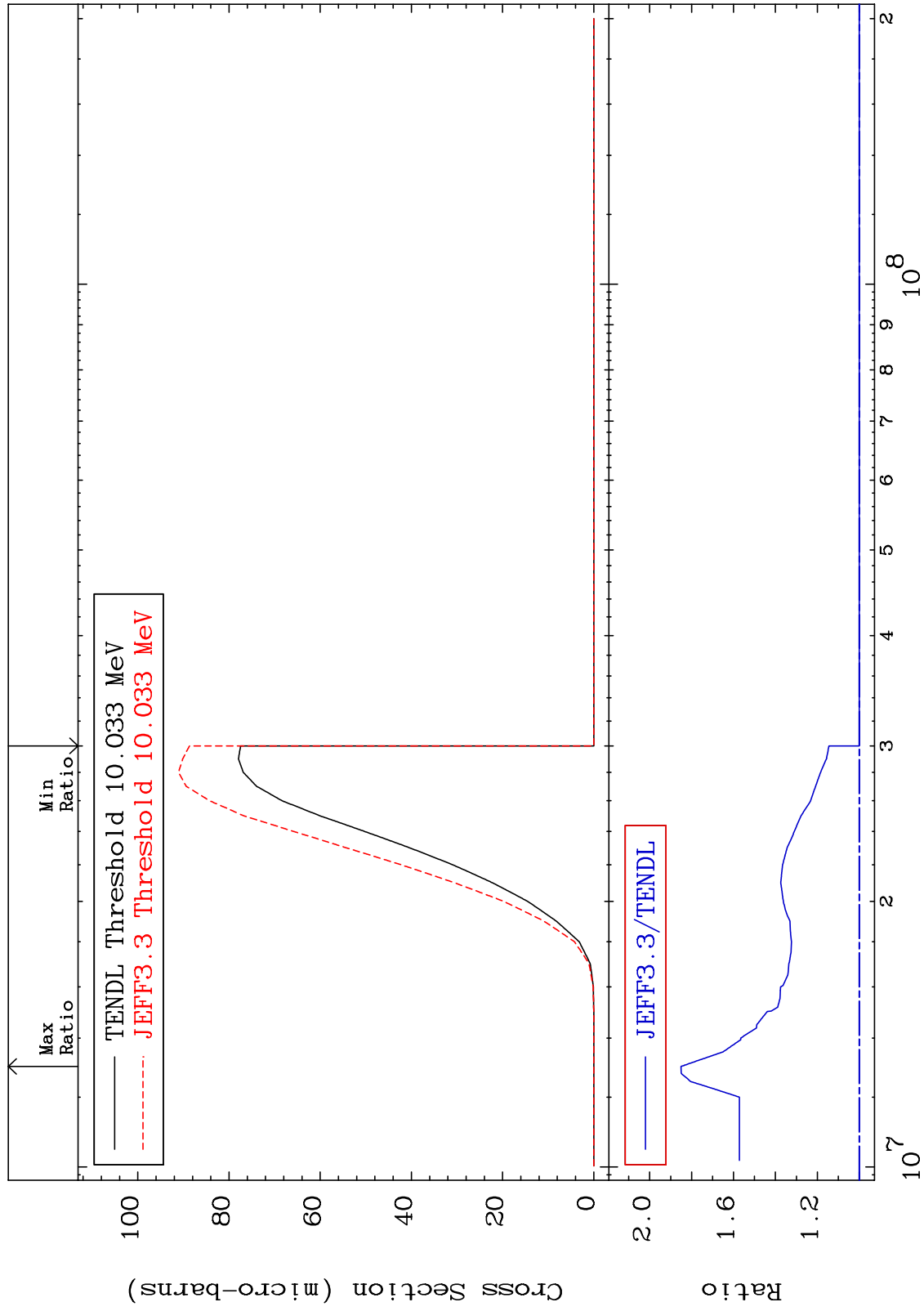


MAT 3431

(n,2p) : 32-Ge-75g

34-Ge-76

Radionuclide Production Cross Section 0.000 To 85.03 %

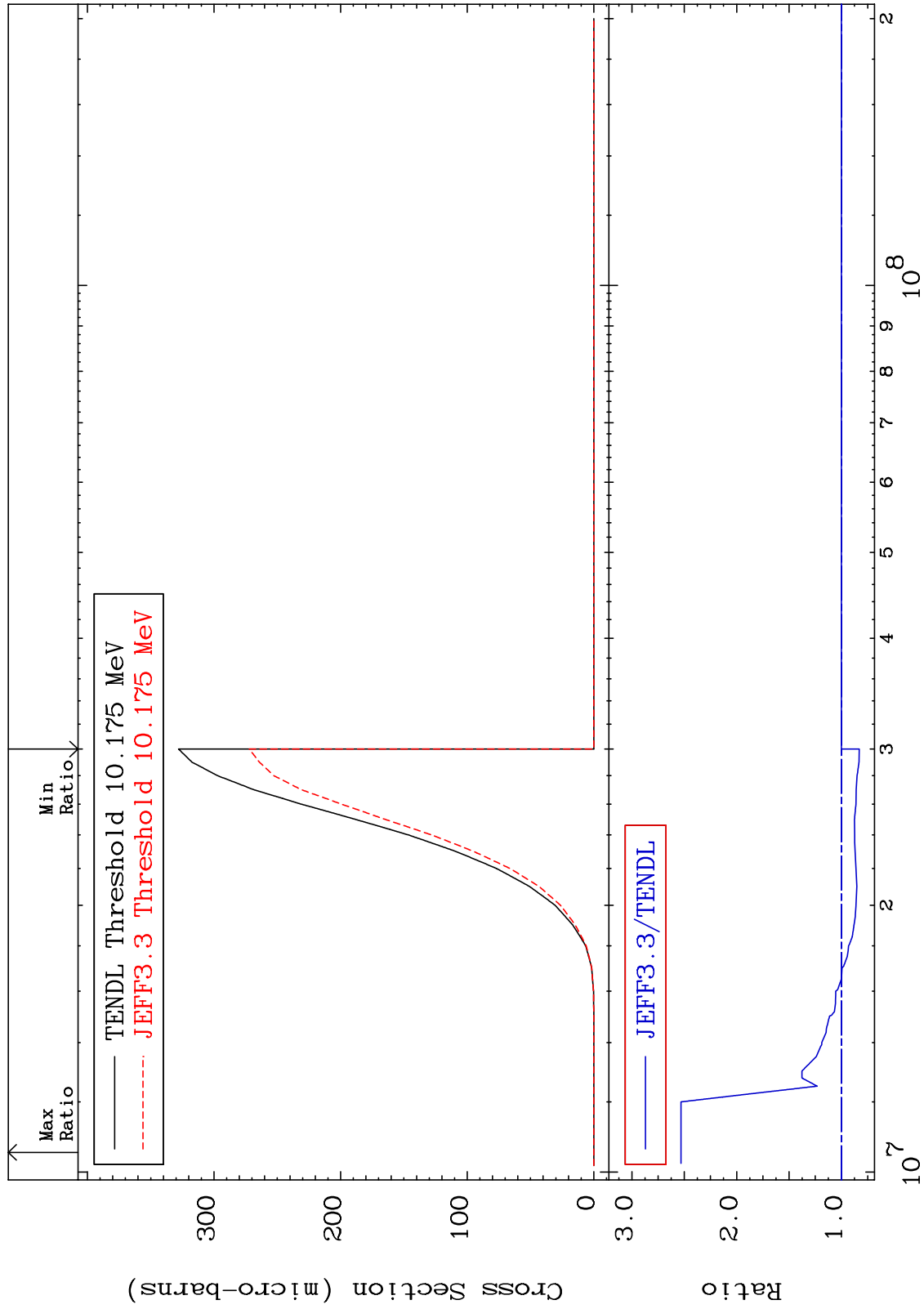


MAT 3431

(n,2p) : 32-Ge-75m2

34-Se-76

Radionuclide Production Cross Section -17.03 To 153.1 %



84

Incident Energy (eV)

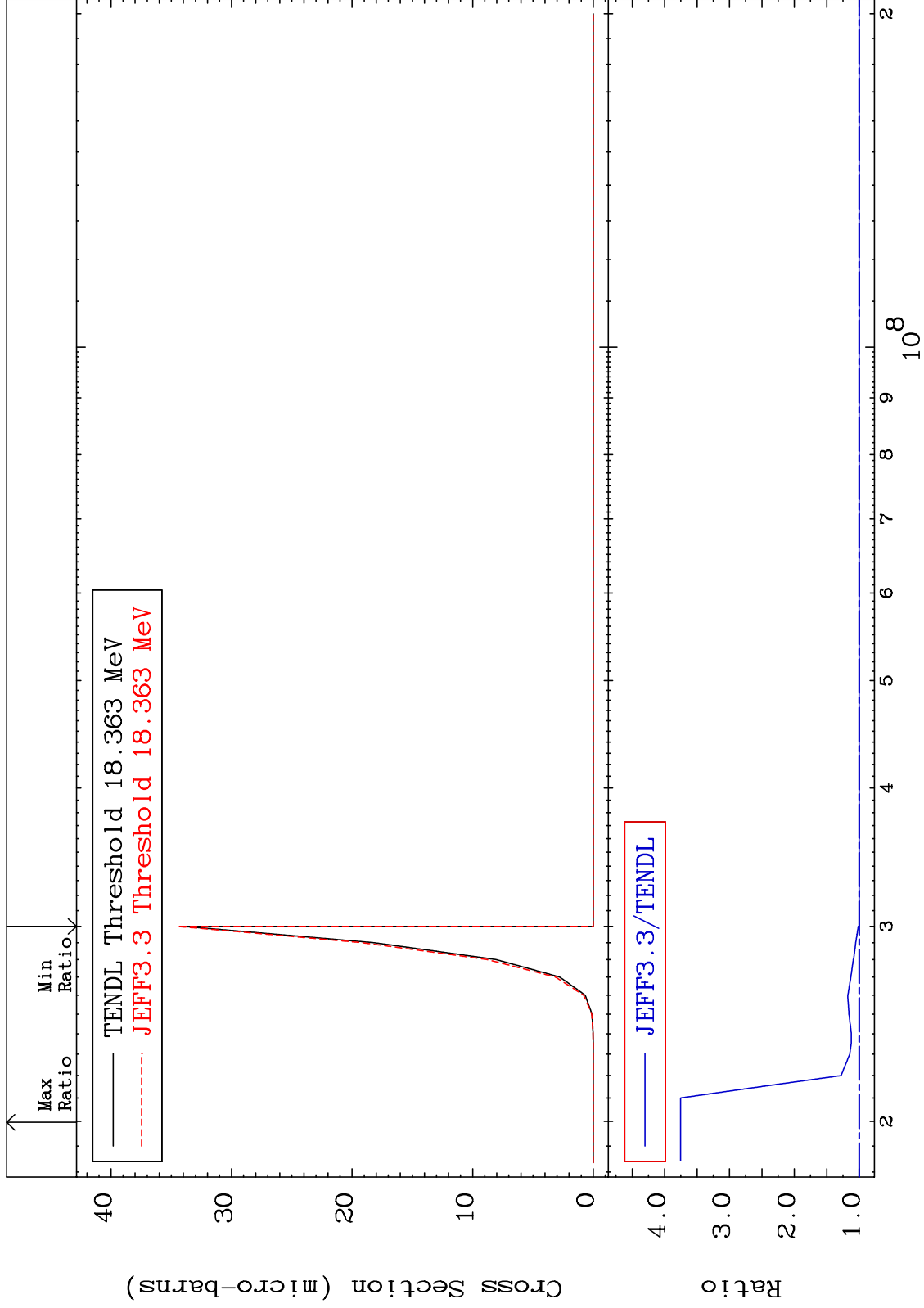
34-Se-76

MAT 3431

(n,p) t:32-Ge-73g

34-Se-76

Radionuclide Production Cross Section 0.000 To 275.3 %



85

Incident Energy (eV)

34-Se-76

MAT 3431

(n, p) t: 32-Ge-73m2

34-Se-76

Radionuclide Production Cross Section -3.604 To 90.46 %

