

Program Complot  
(Version 2018-1)

by

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Press Mouse Button to Start

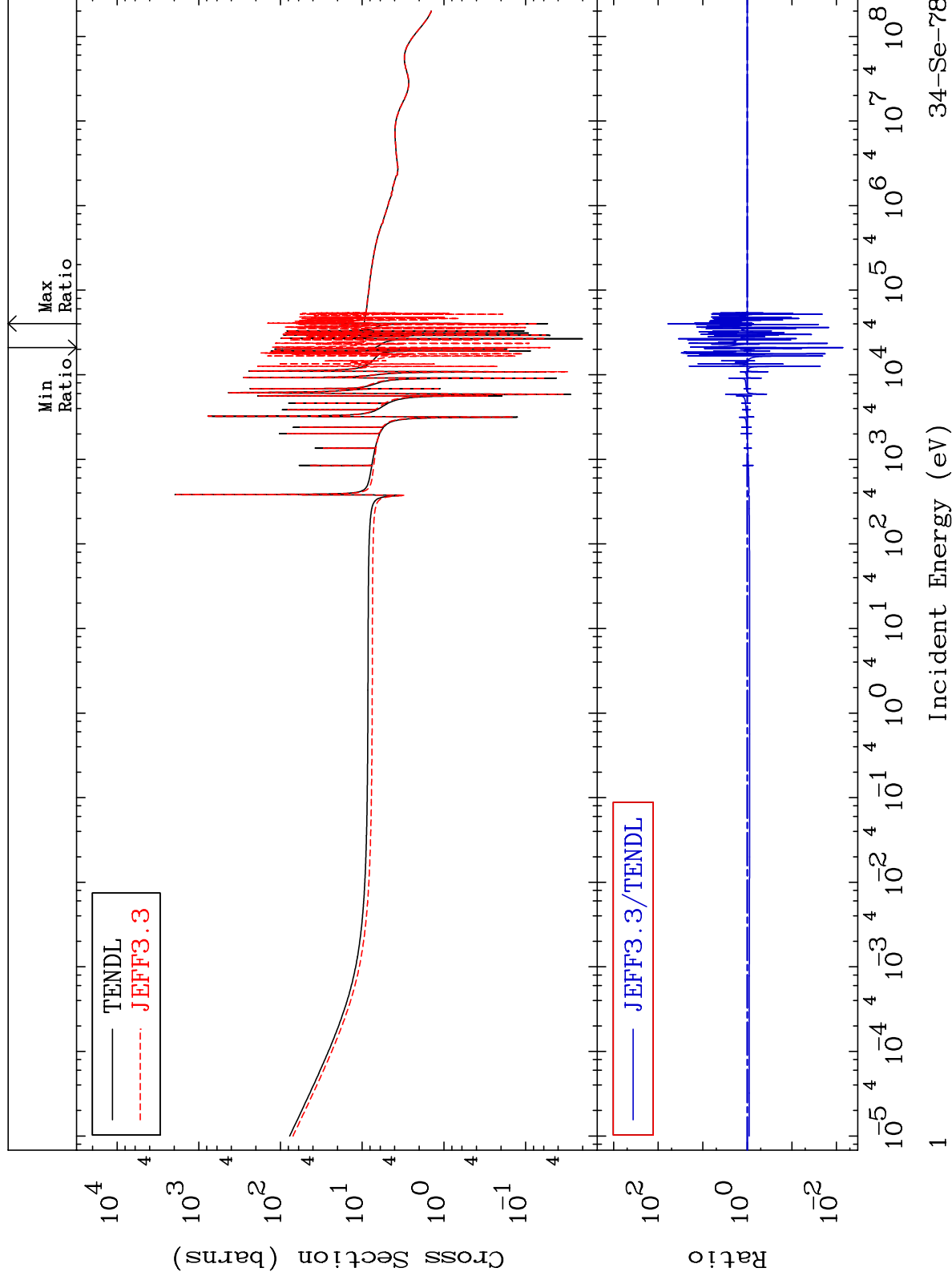
MAT 3437

Total

<sup>34</sup>Se-78

Cross Section

-99.28 To 5925. %



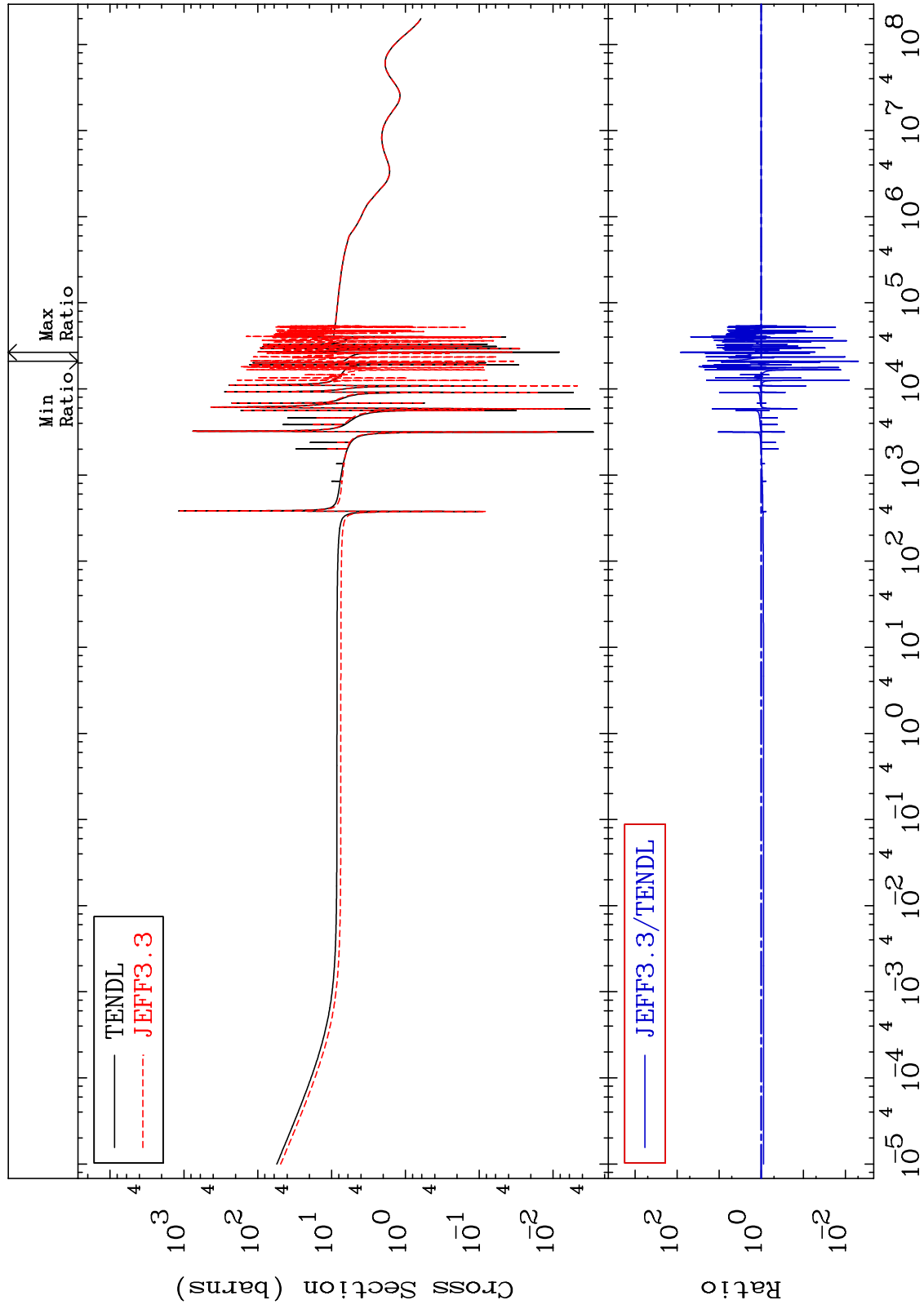
Incident Energy (eV)

<sup>34</sup>Se-78

MAT 3437

Elastic  
Cross Section

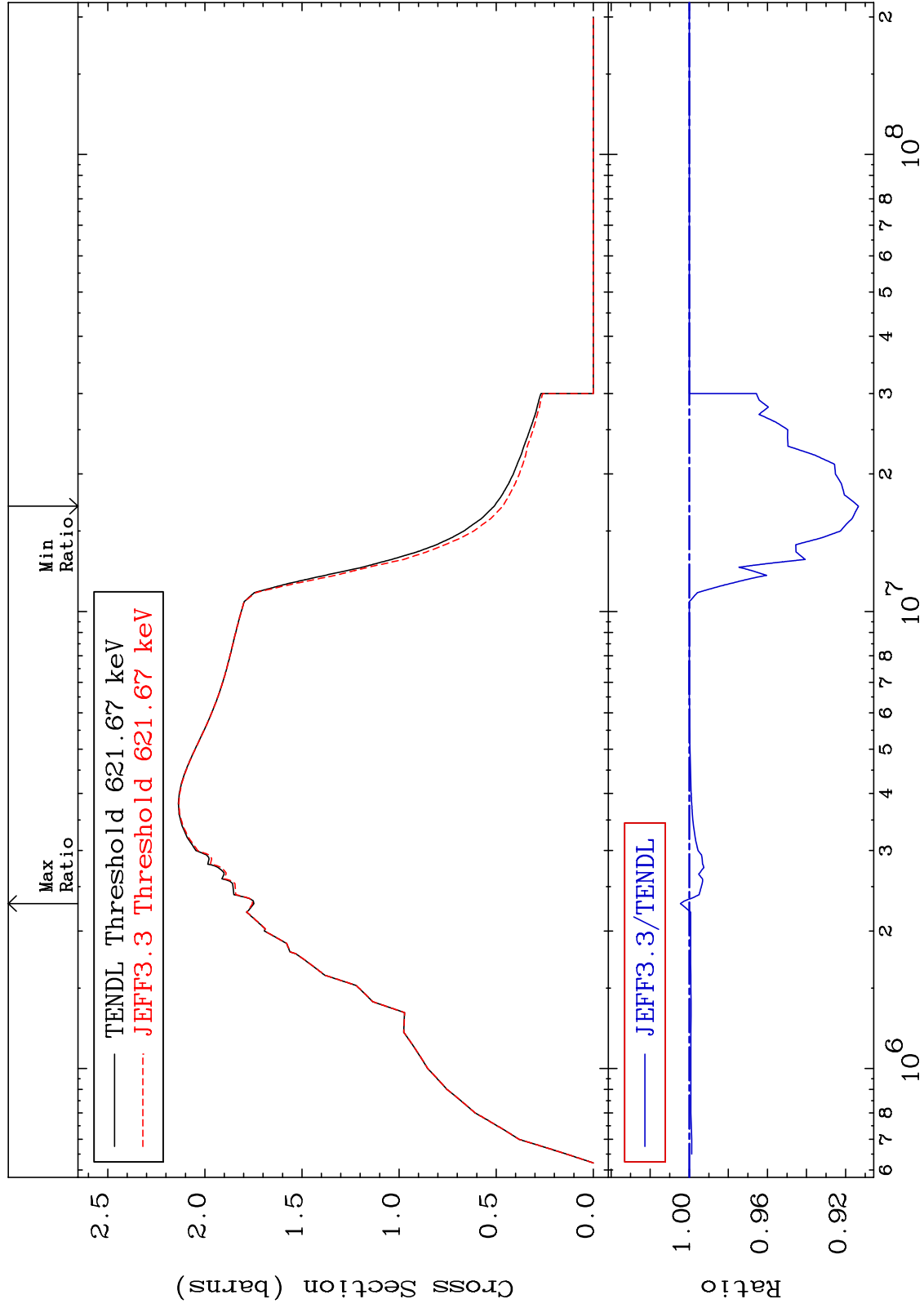
34-Se-78  
-99.51 To 8228. %



MAT 3437

Inelastic  
Cross Section

34-Se-78  
-8.659 To 0.451 %



34-Se-78

34-Se-78

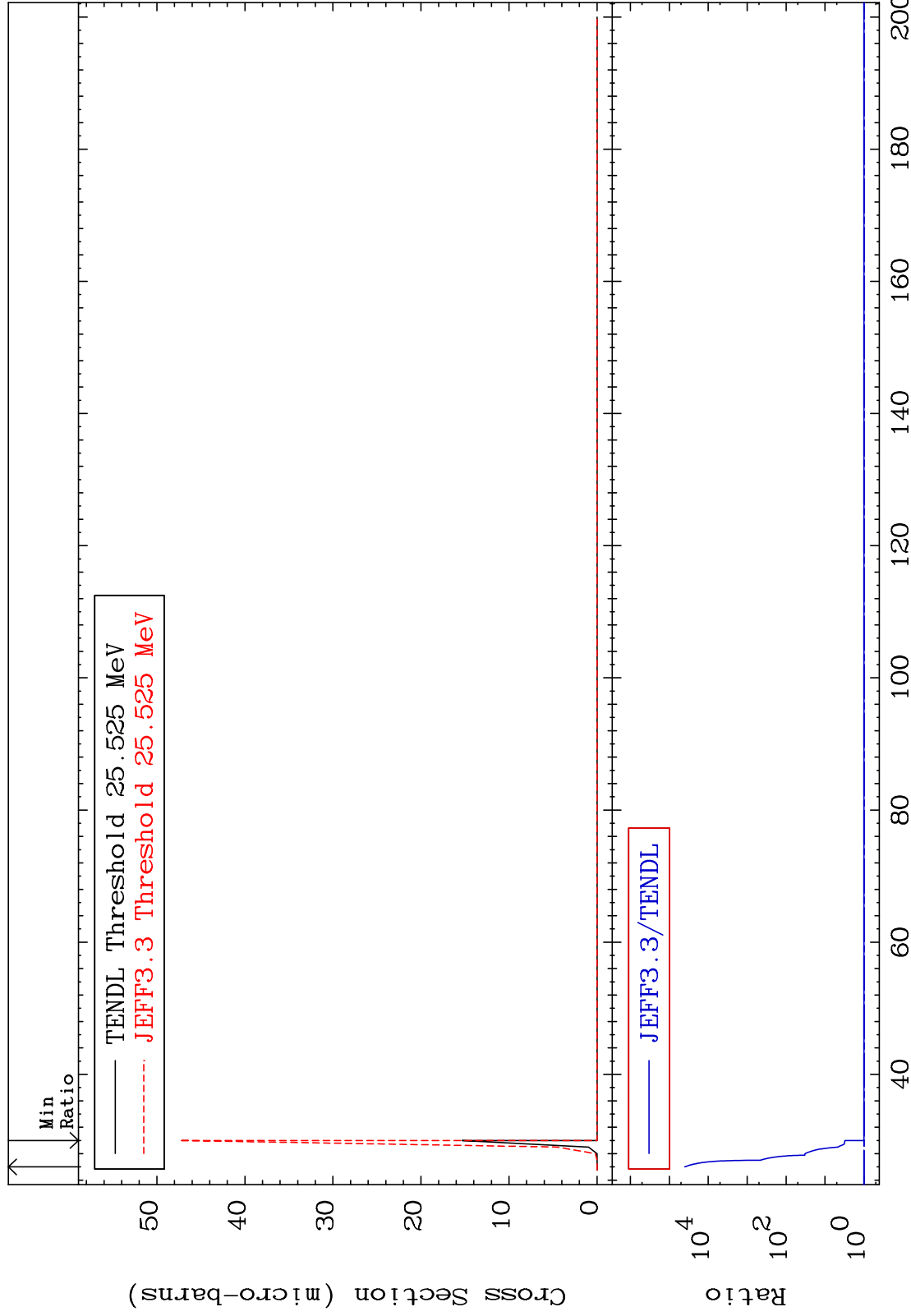
MAT 3437

(n,2n) d

<sup>34</sup>Se-78

Cross Section

0.000 To 9999. %



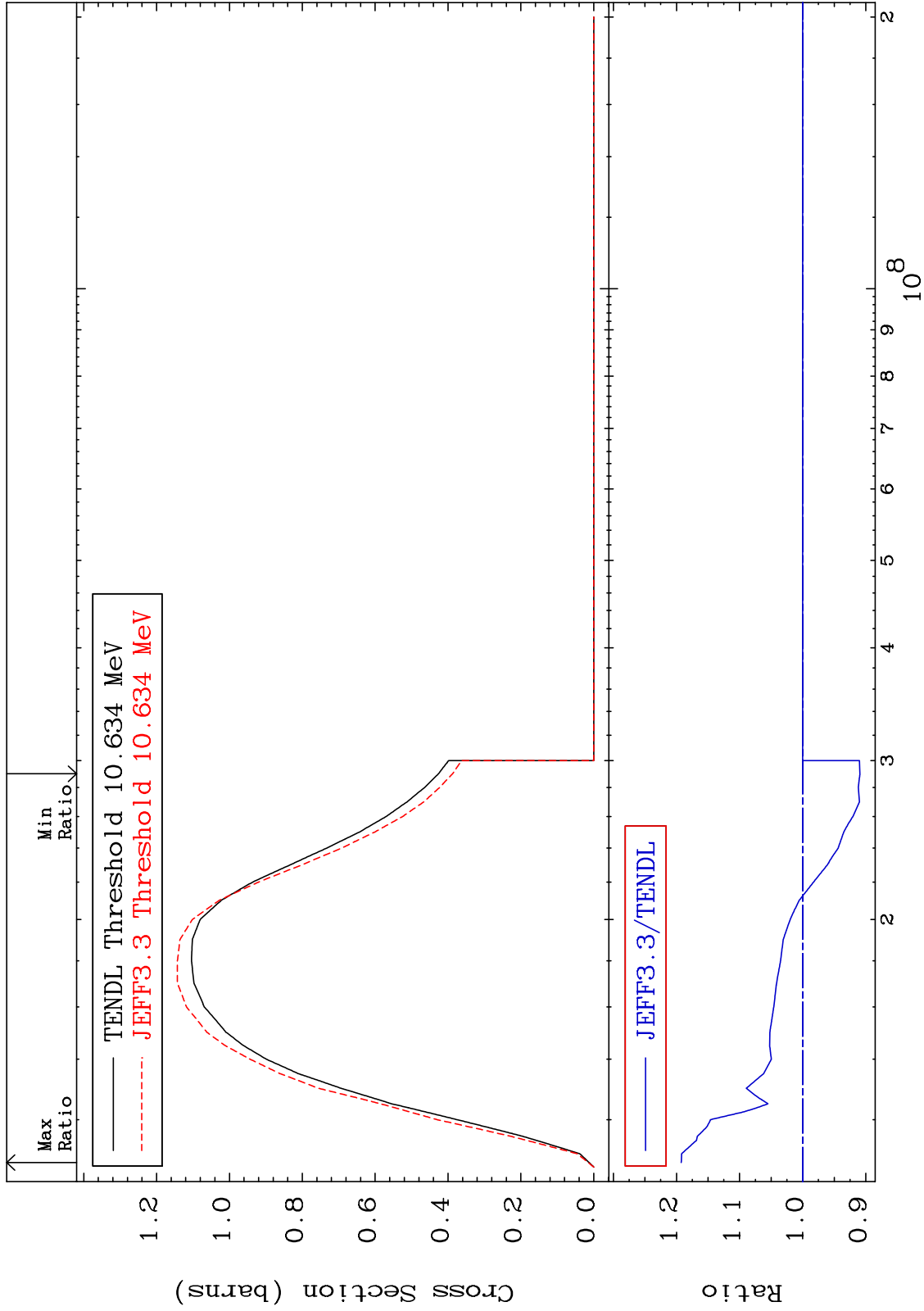
MAT 3437

(n,2n)

<sup>34</sup>Se-78

Cross Section

-9.070 To 19.25 %



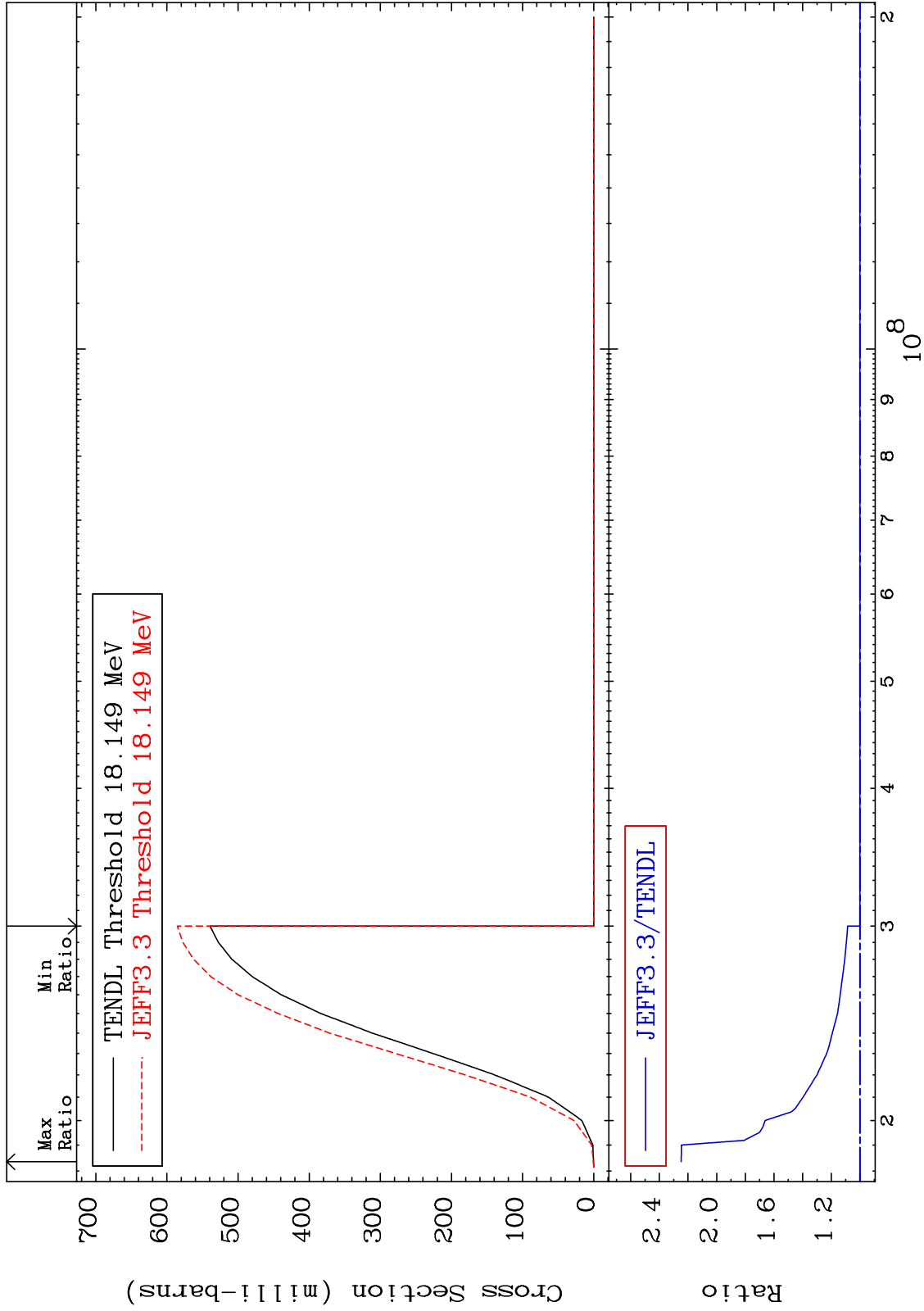
MAT 3437

(n,3n)

<sup>34</sup>Se-78

Cross Section

0.000 To 124.7 %



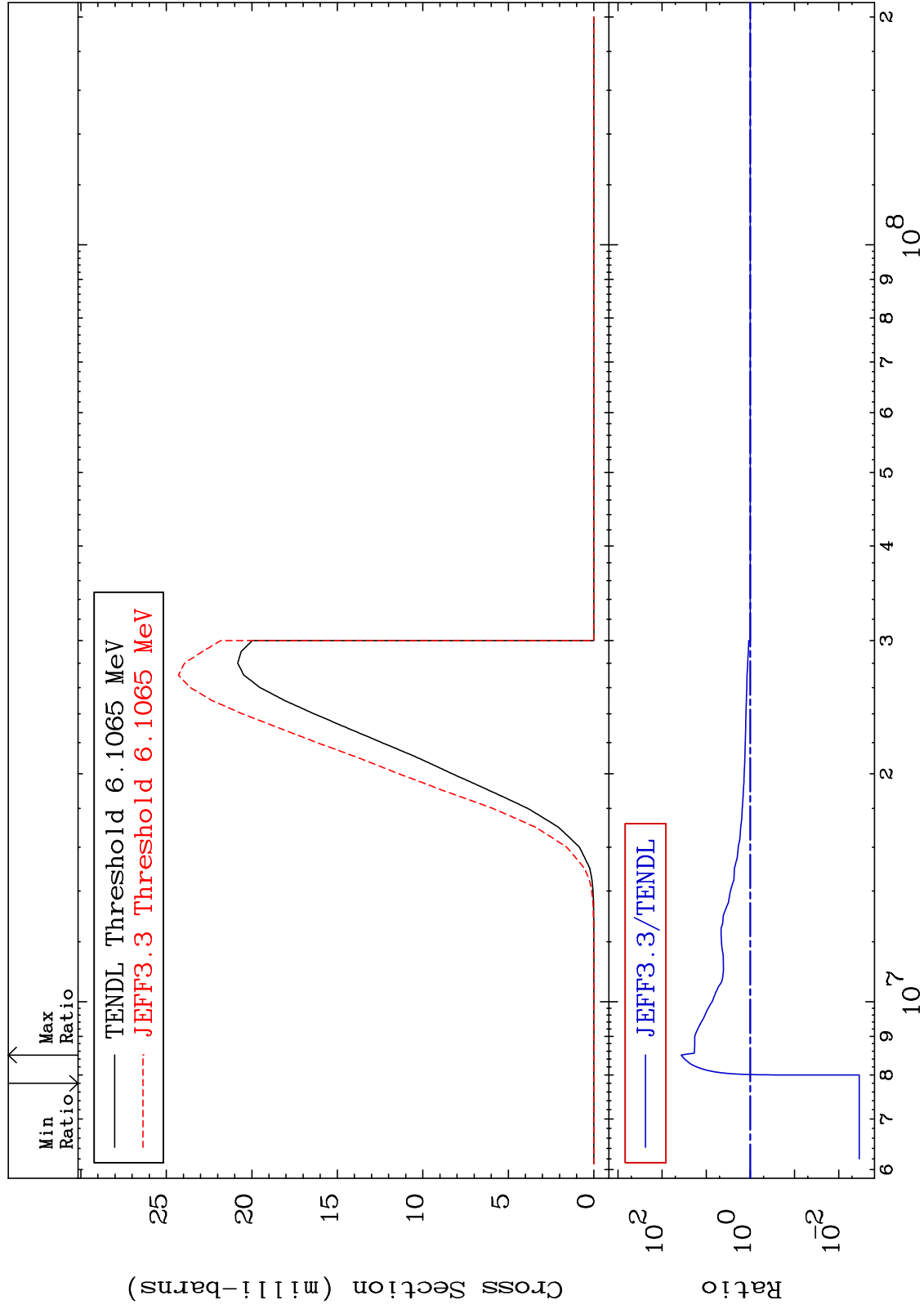
MAT 3437

(n,n')  $\alpha$

<sup>34</sup>Se-78

Cross Section

-99.66 To 3624. %



Incident Energy (eV)

<sup>34</sup>Se-78

7



MAT 3437

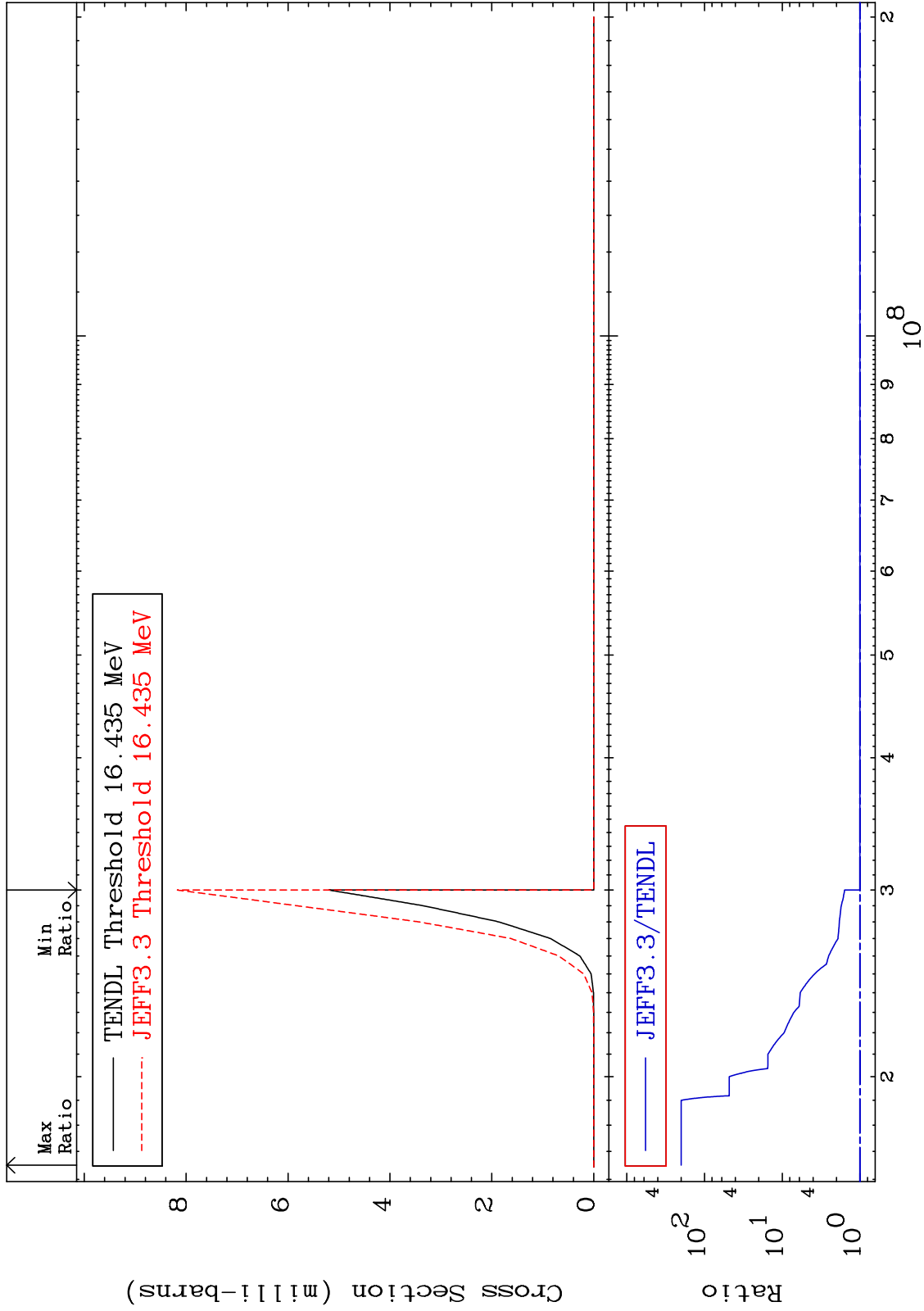
(n,2n)  $\alpha$

<sup>34</sup>Se-78

Cross Section

0.000

To 9999. %



MAT 3437

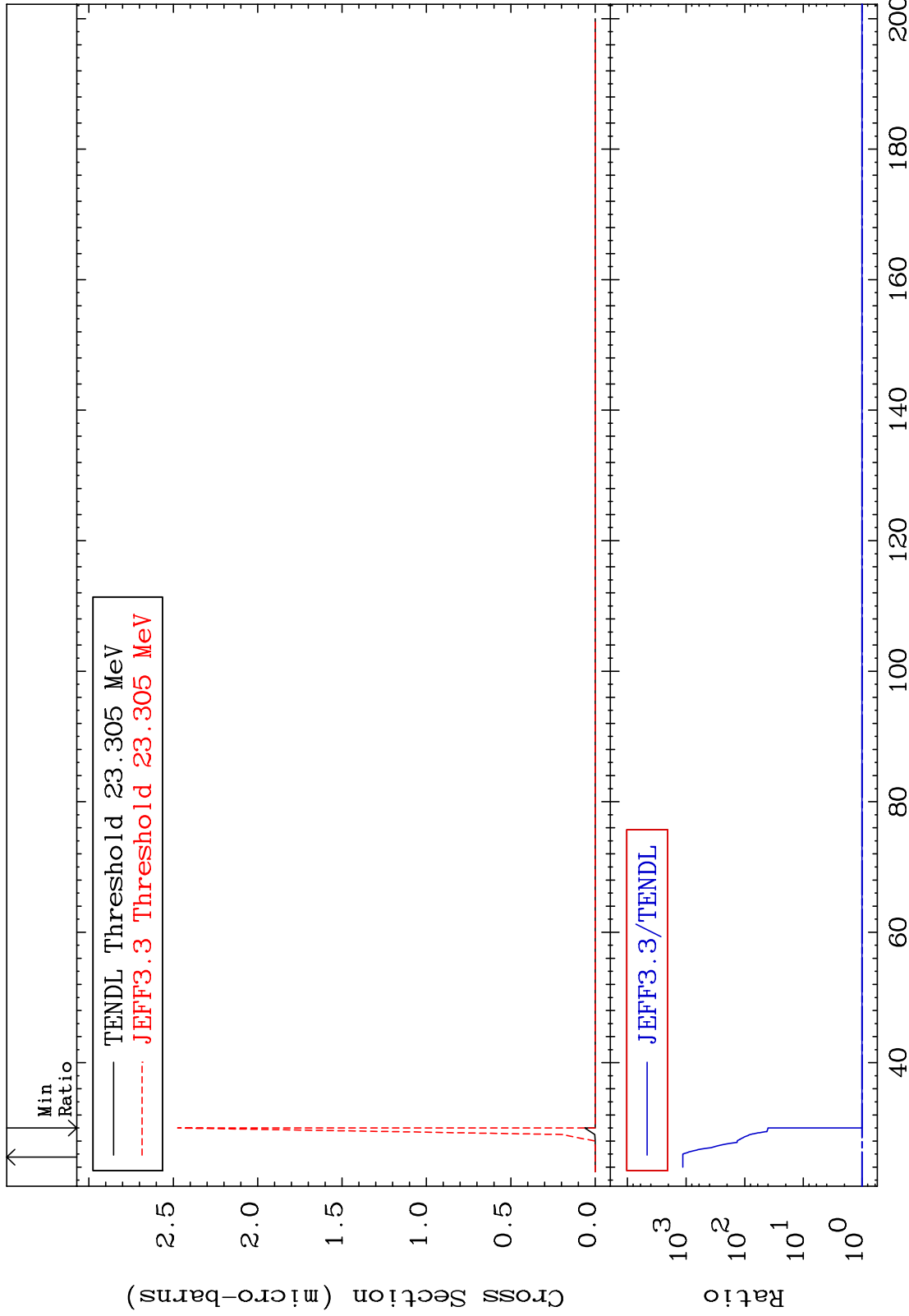
(n,3n)  $\alpha$

<sup>34</sup>Se-78

Cross Section

0.000

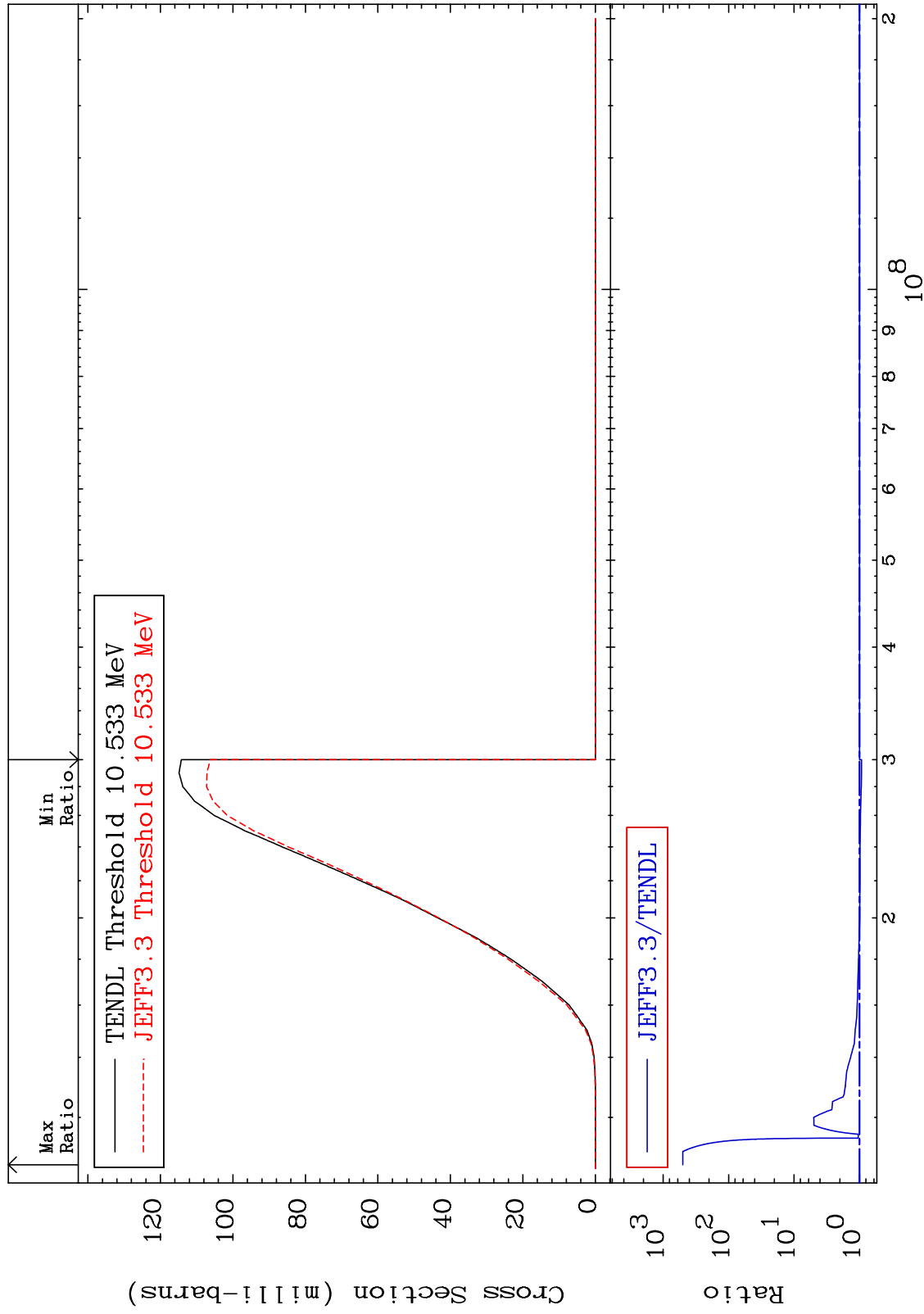
To 9999. %



MAT 3437

(n,n') p  
Cross Section

34-Se-78  
-6.999 To 9999. %

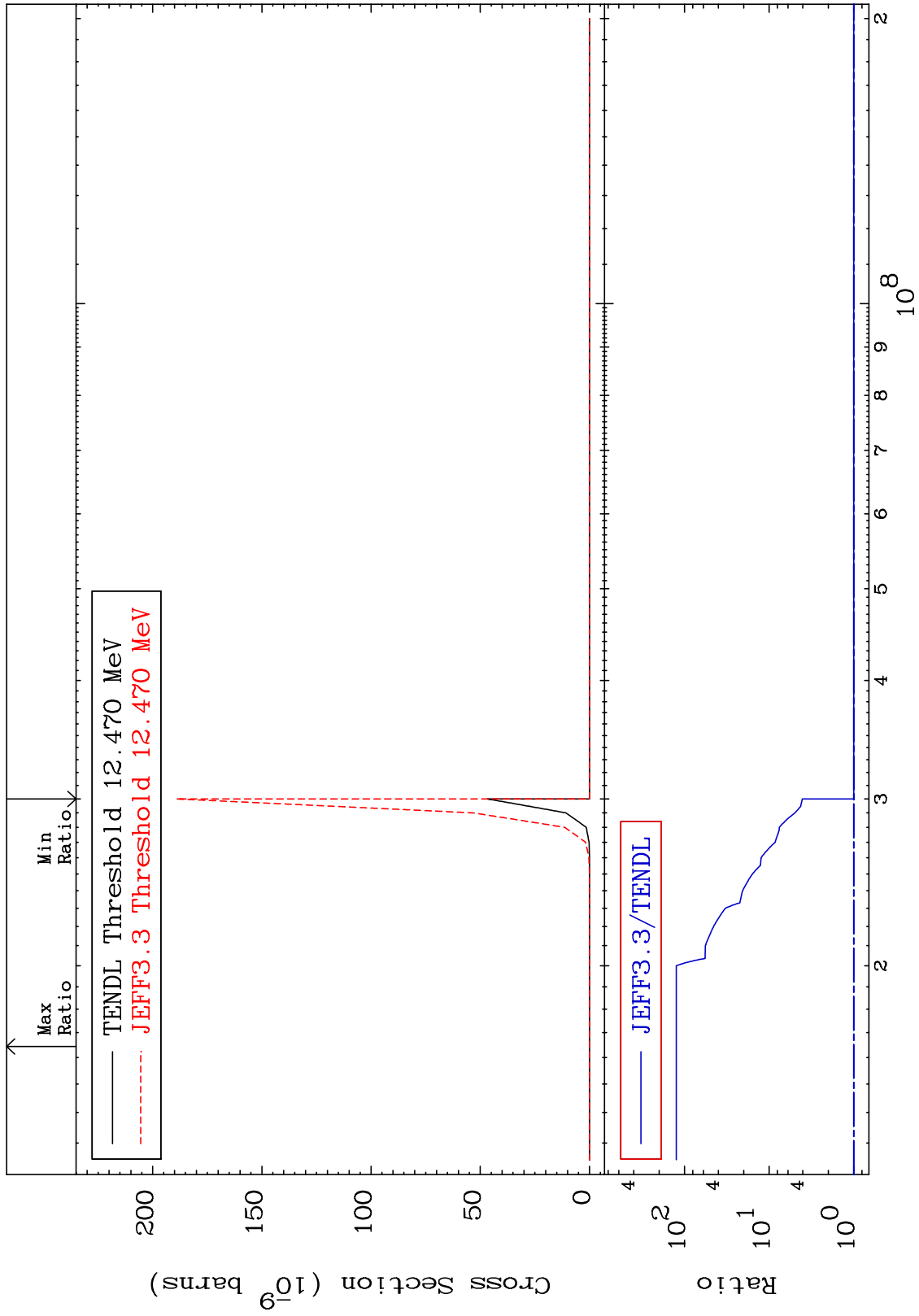


10

Incident Energy (eV)

34-Se-78

MAT 3437  $(n, n') 2\alpha$  Cross Section  $^{34}\text{Se-78}$  To 9999. %



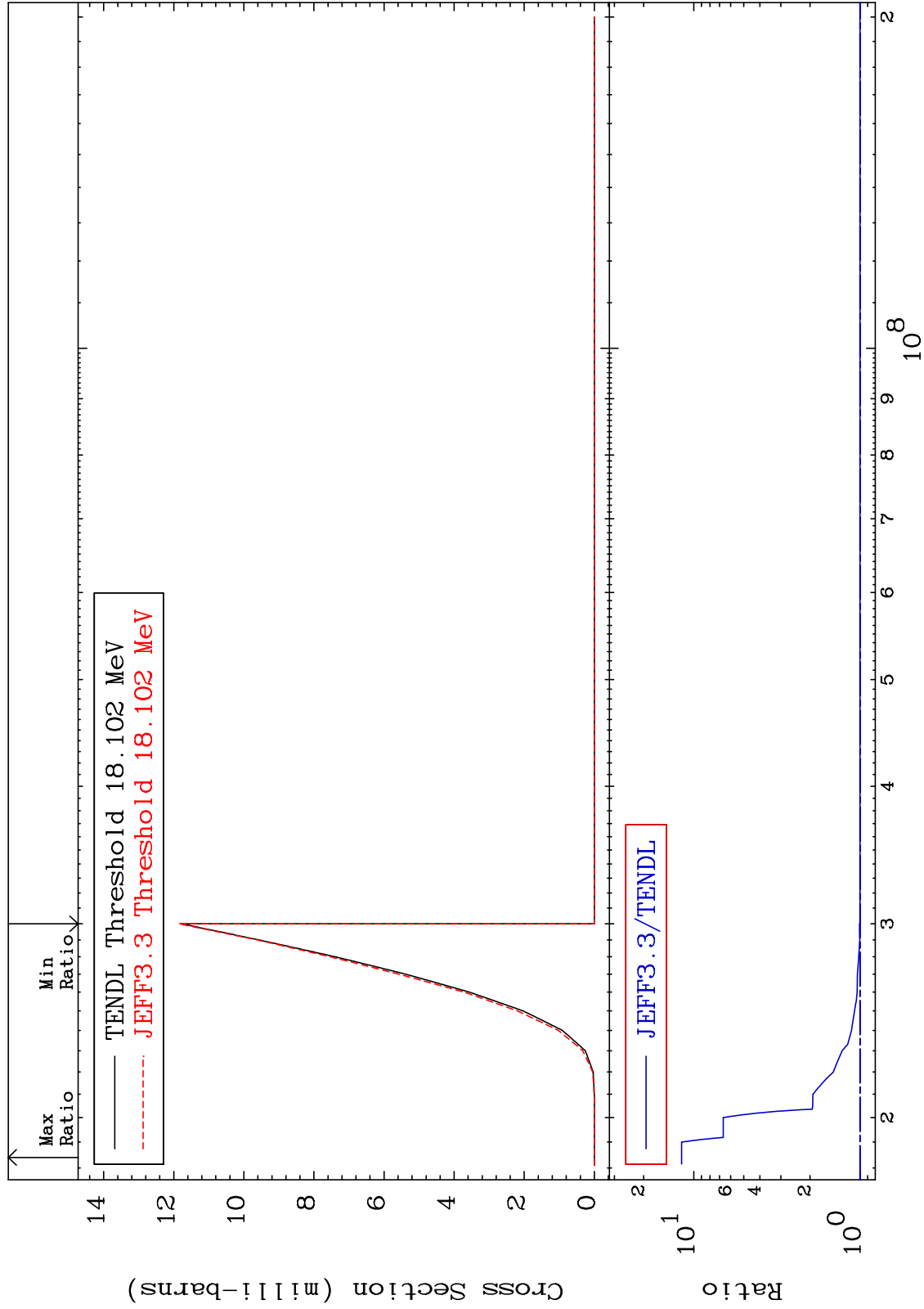
MAT 3437

(n,n') d

<sup>34</sup>Se-78

Cross Section

0.000 To 1083. %



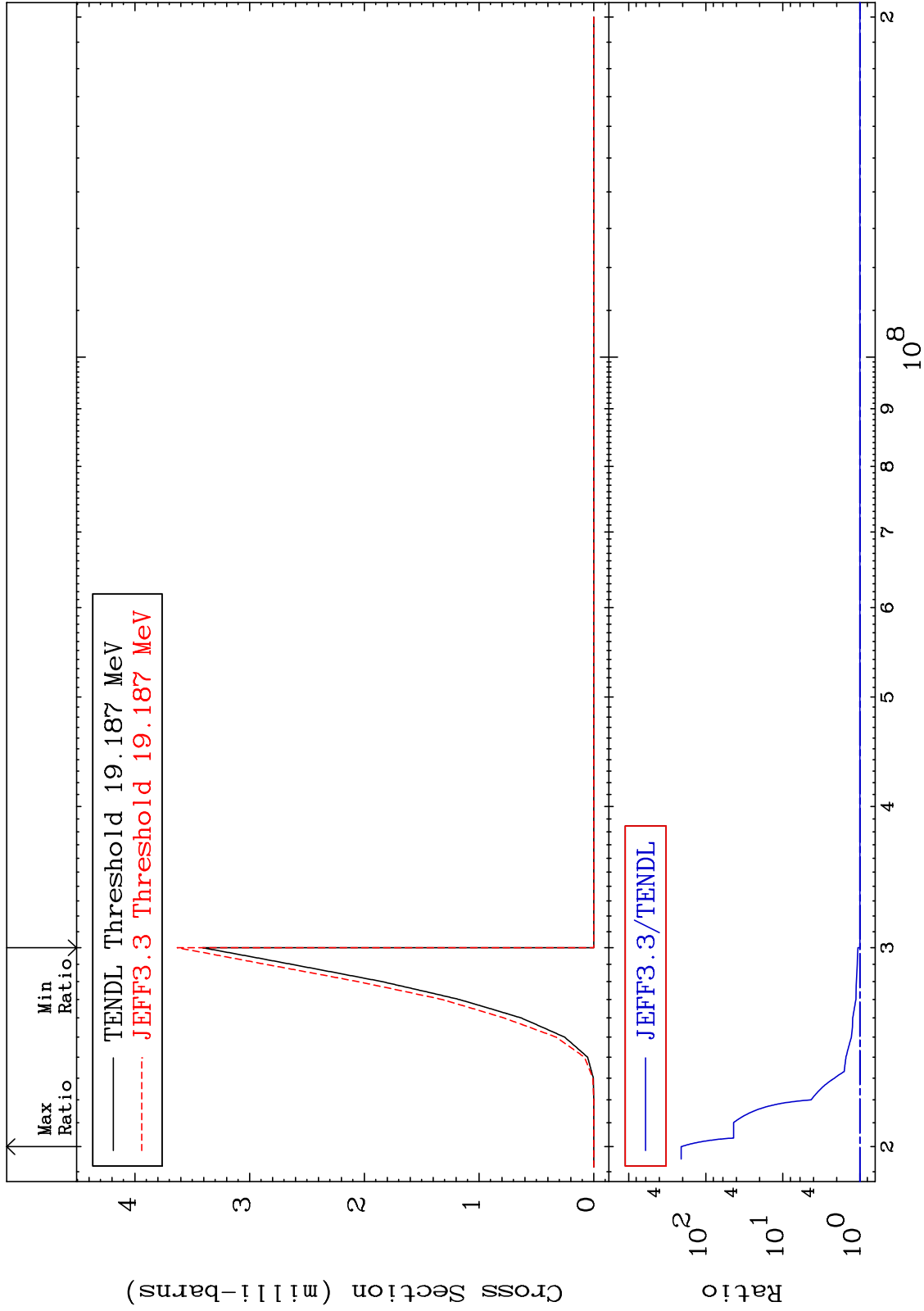
MAT 3437

(n,n') t

<sup>34</sup>Se-78

Cross Section

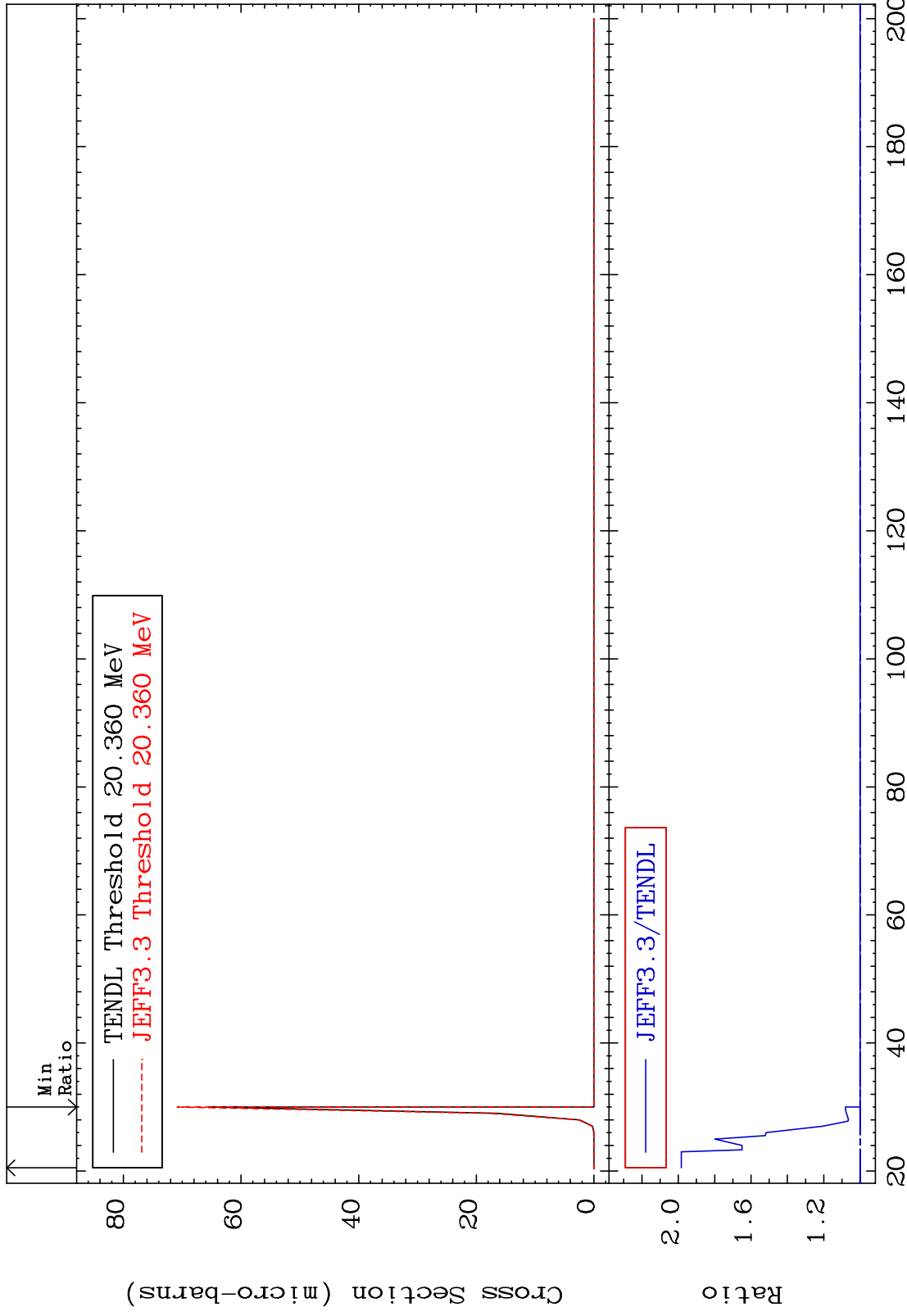
0.000 To 9999. %



MAT 3437

(n, n') He-3  
Cross Section

34-Se-78  
0.000 To 98.29 %

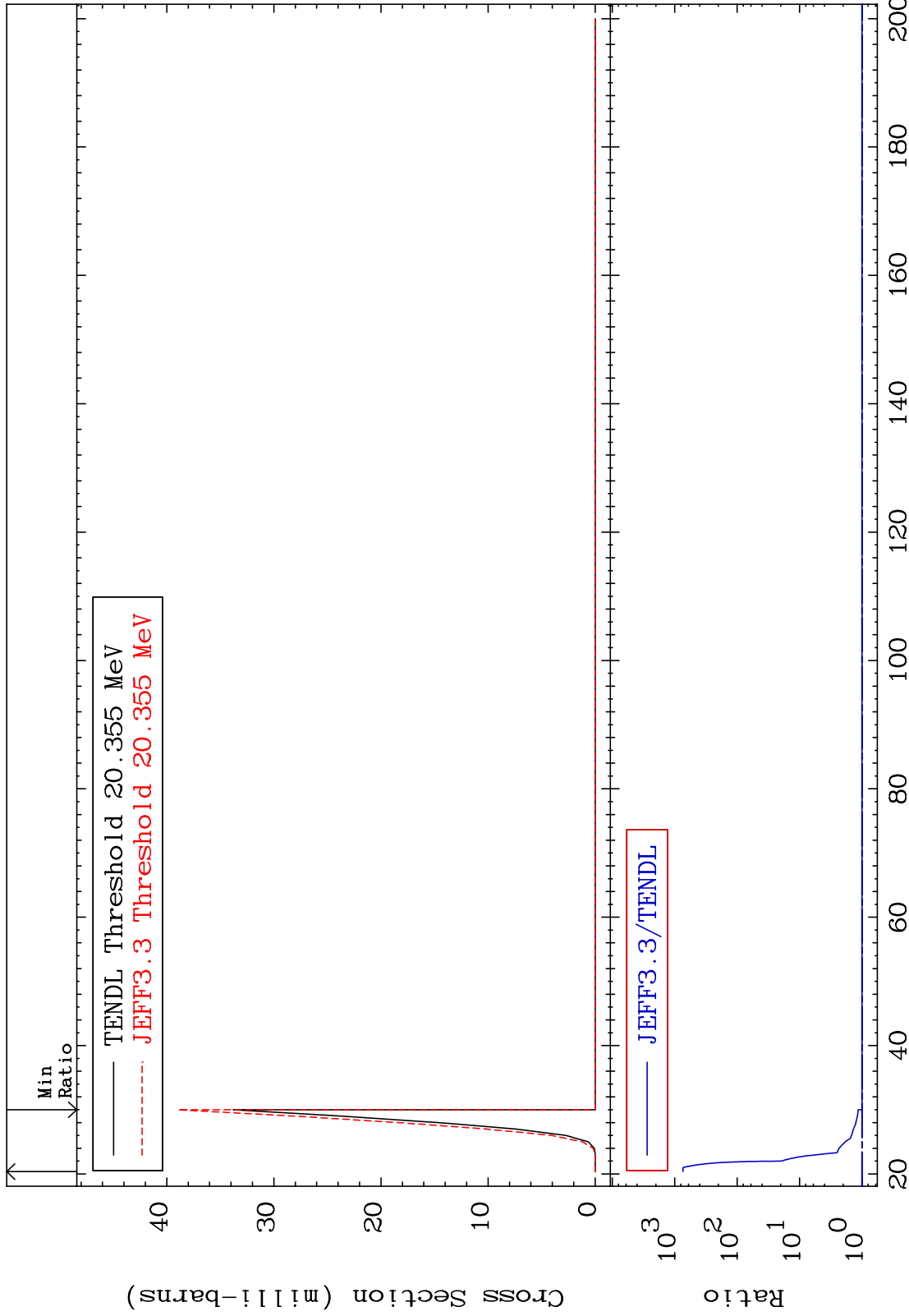


34-Se-78

MAT 3437

(n,2n) p  
Cross Section

34-Se-78  
0.000 To 9999. %



34-Se-78

Incident Energy (MeV)

15



MAT 3437

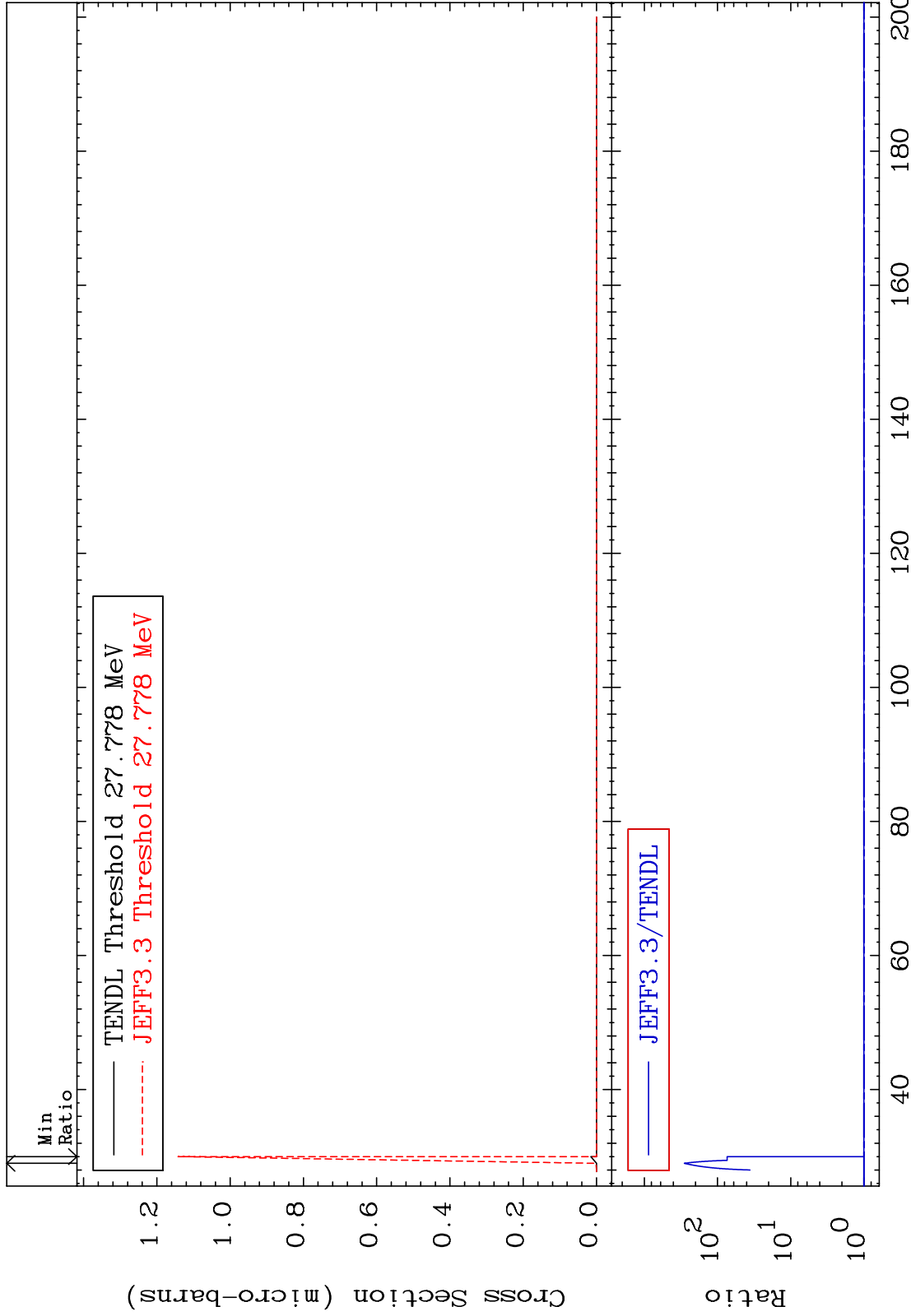
(n,3n) p

<sup>34</sup>Se-78

Cross Section

0.000

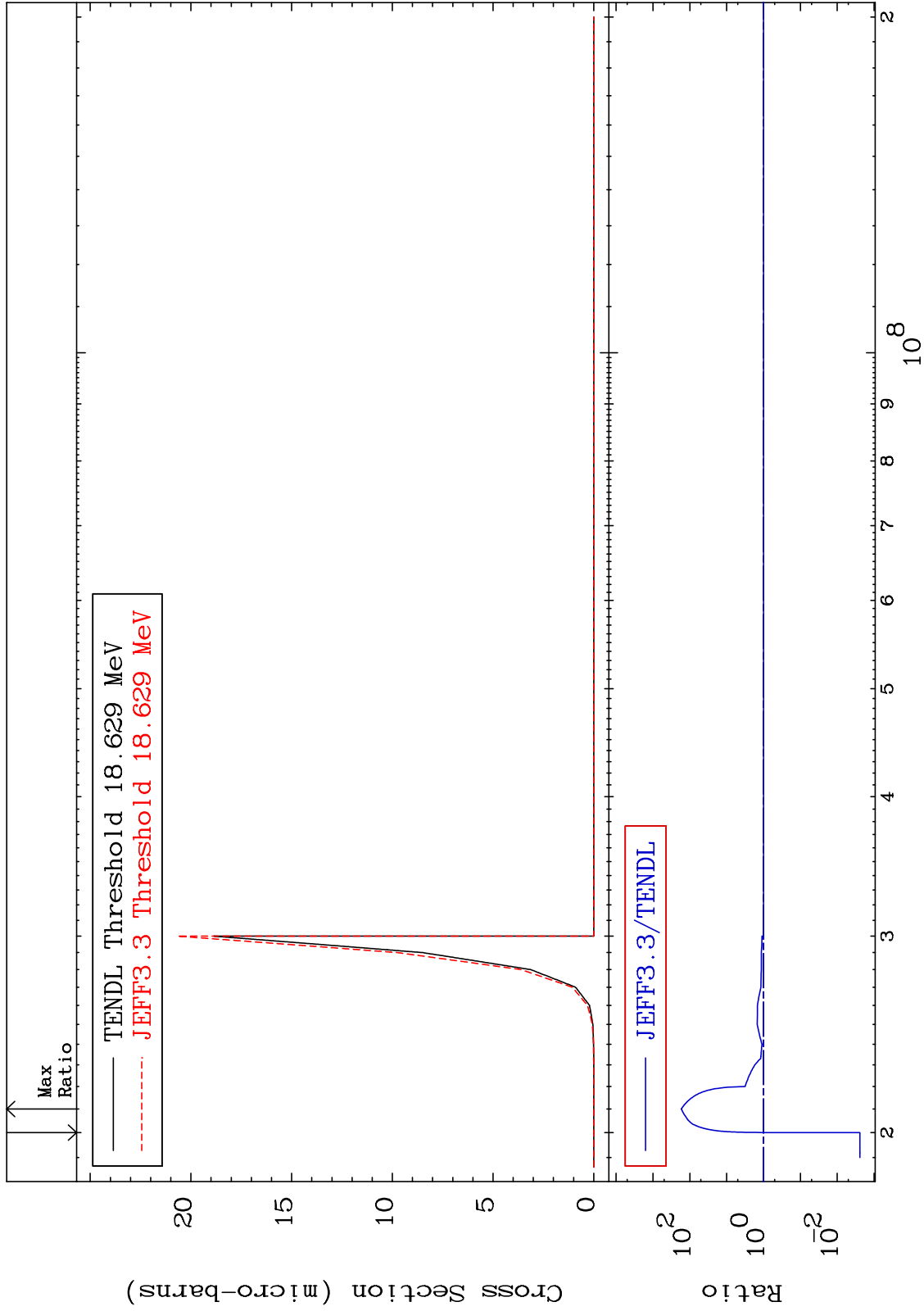
To 9999. %



MAT 3437

(n,2n) p  
Cross Section

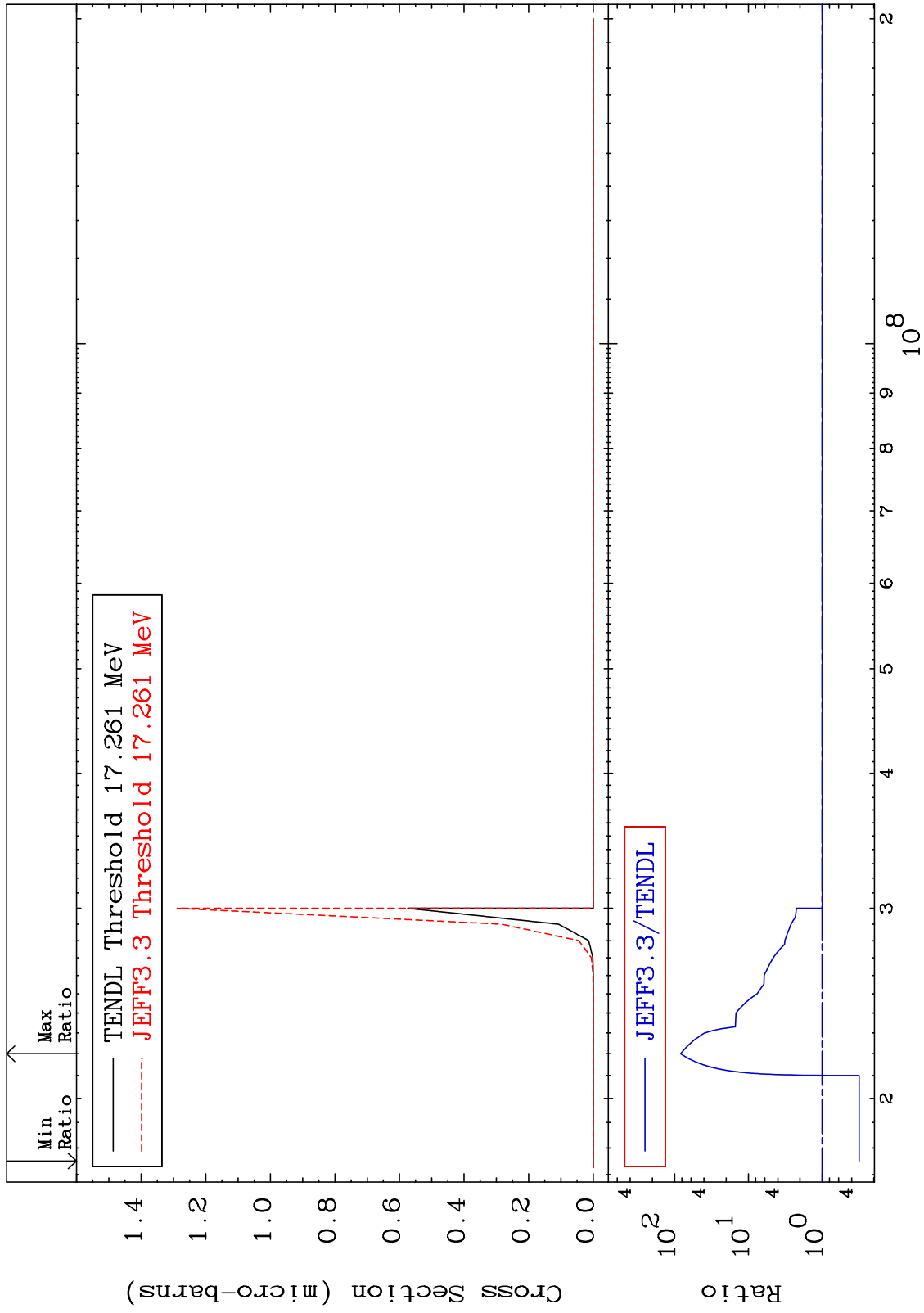
34-Se-78  
-99.76 To 9999. %



MAT 3437

(n,n') p  $\alpha$   
Cross Section

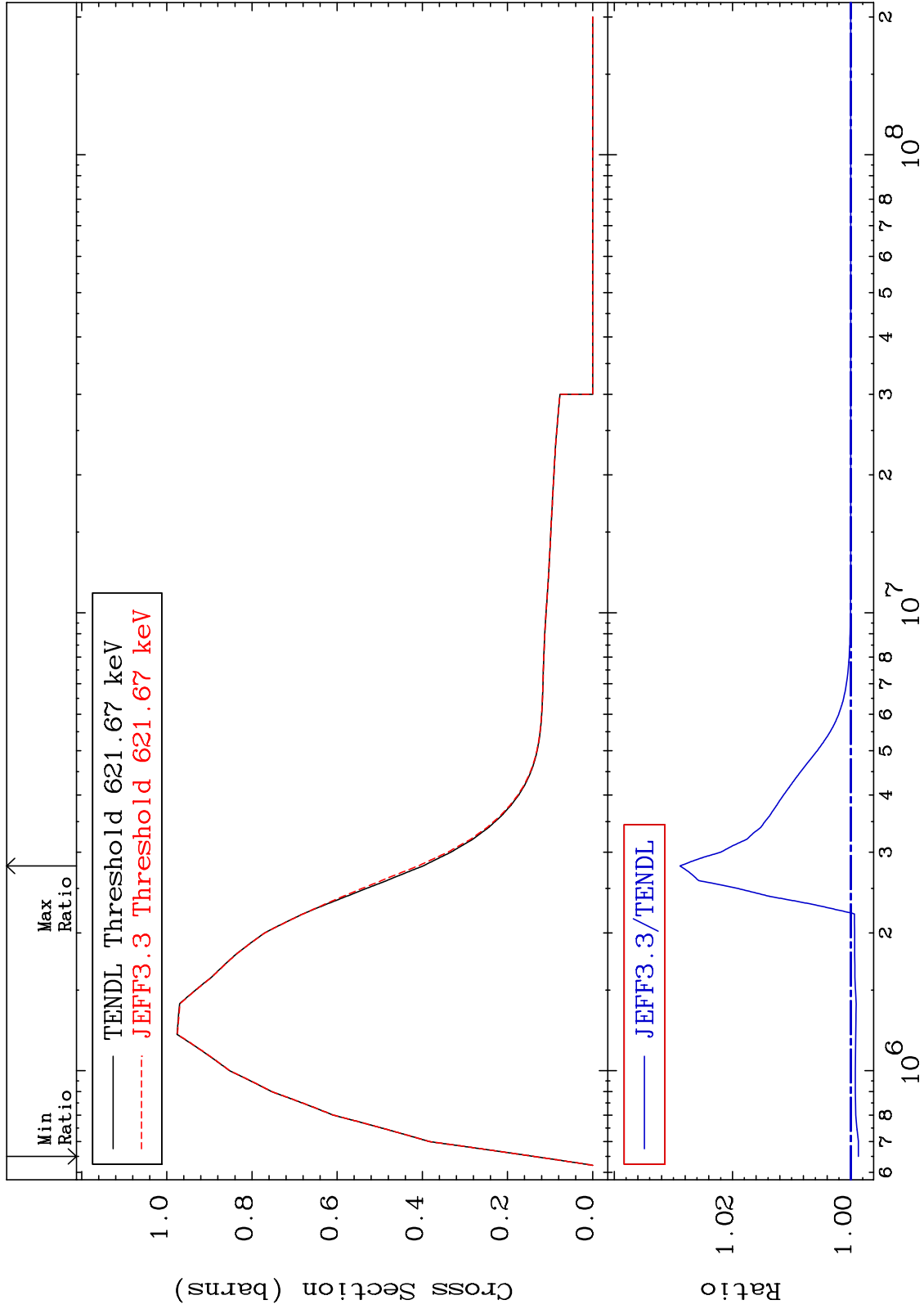
<sup>34</sup>Se-78  
-68.39 To 8194. %



MAT 3437

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

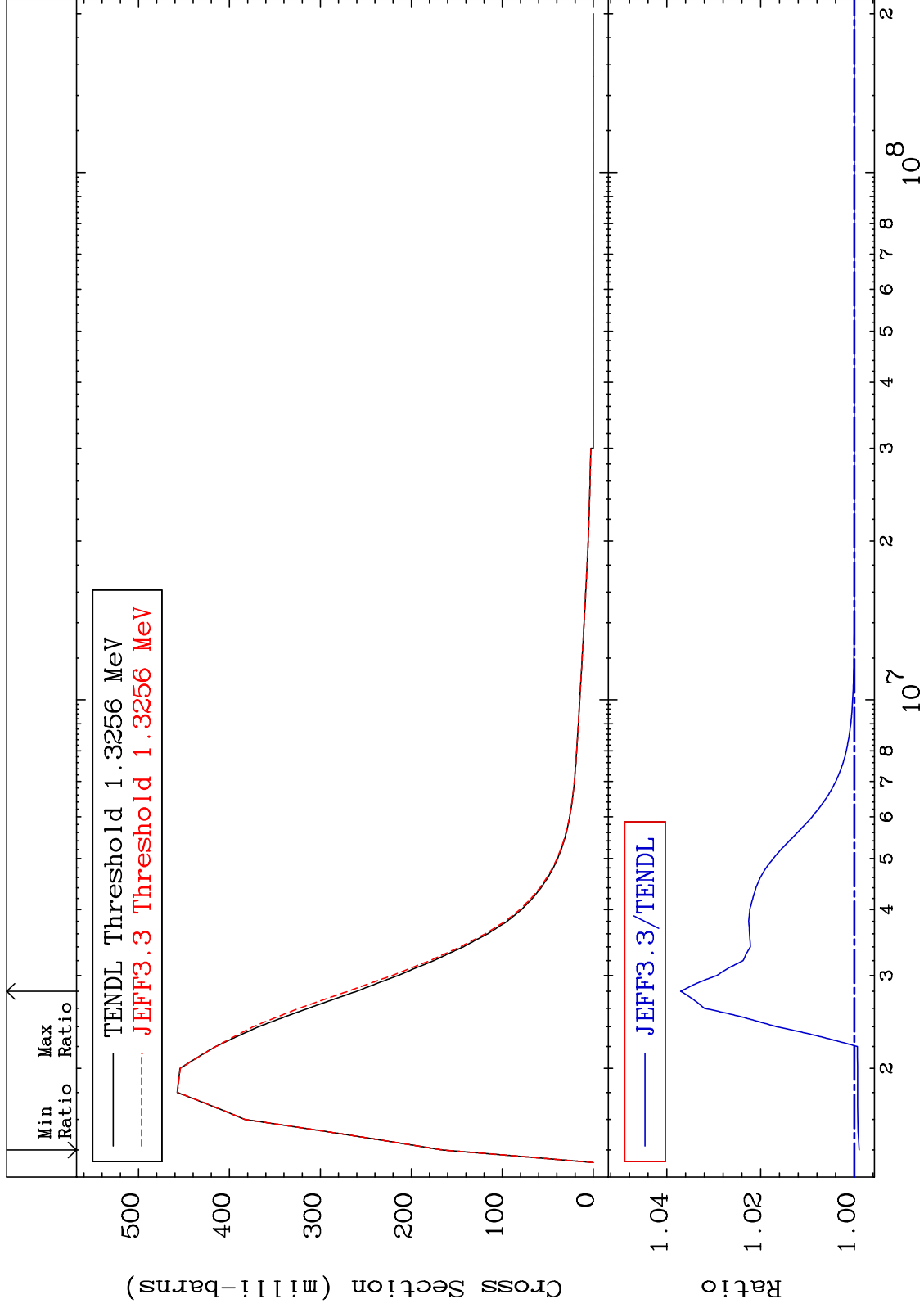
34-Se-78  
-0.129 To 2.887 %



MAT 3437

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

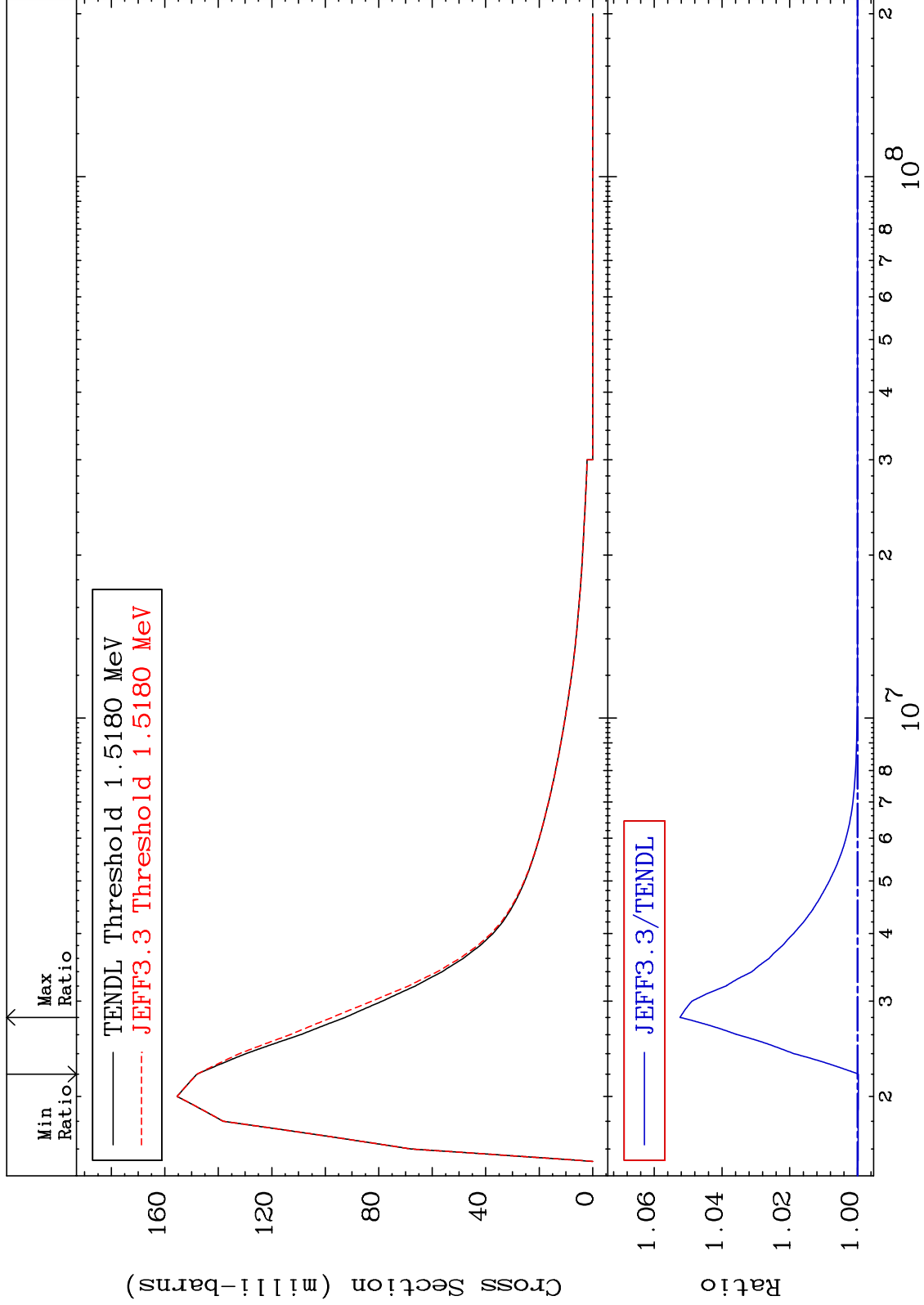
34-Se-78  
-0.102 To 3.707 %



MAT 3437

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

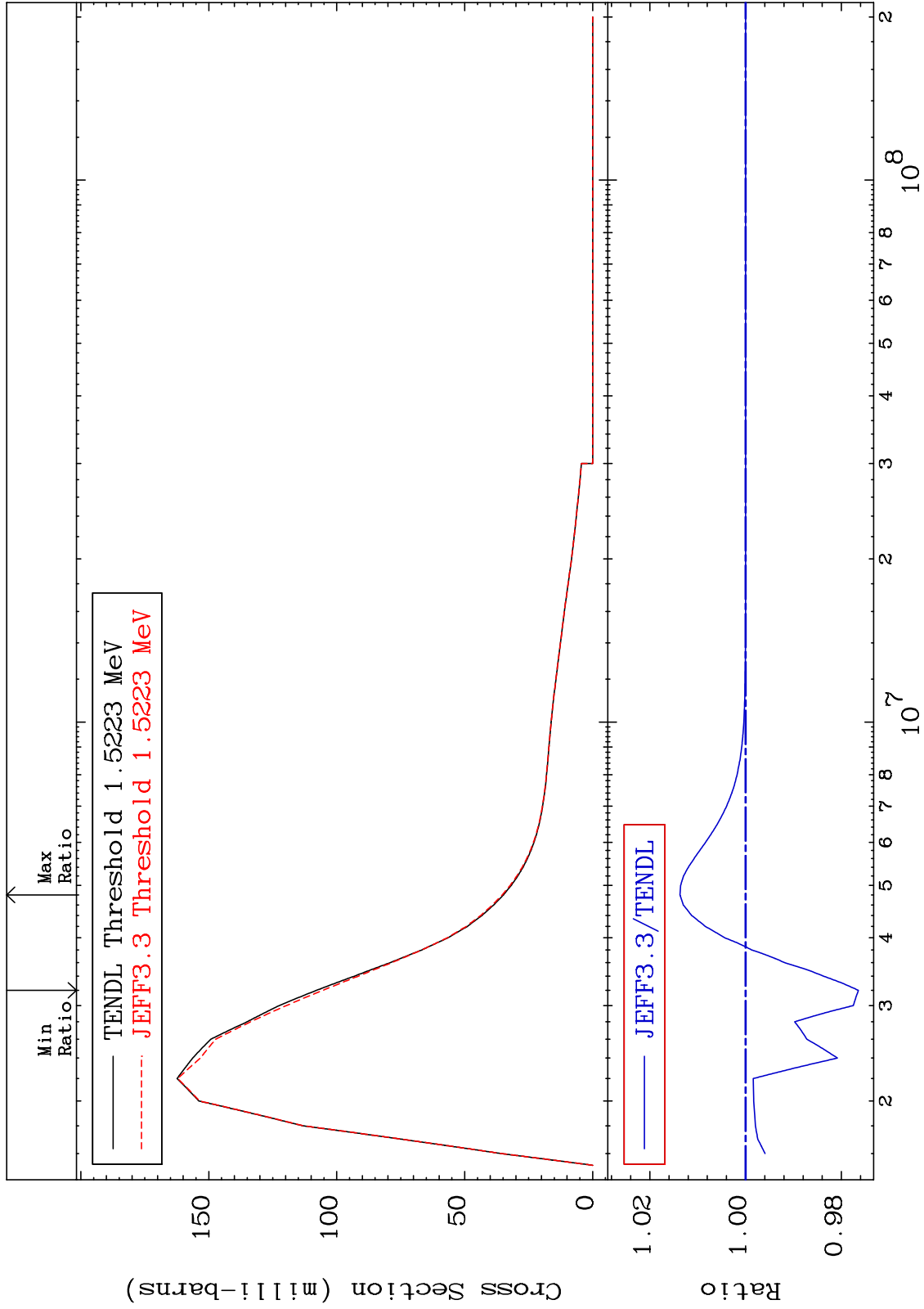
34-Se-78  
-0.026 To 5.239 %



MAT 3437

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

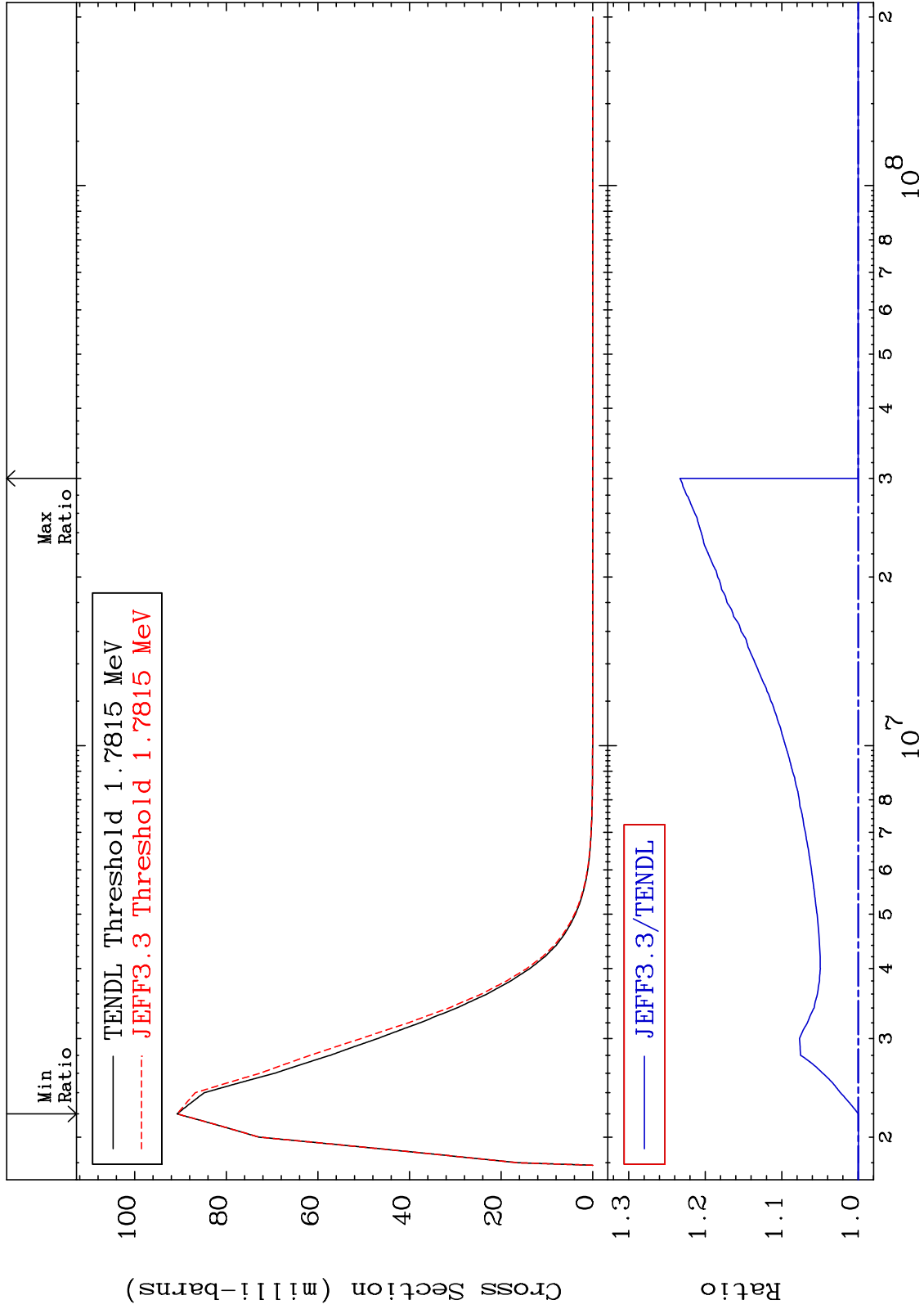
34-Se-78  
-2.356 To 1.370 %



MAT 3437

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

34-Se-78  
-0.028 To 23.30 %

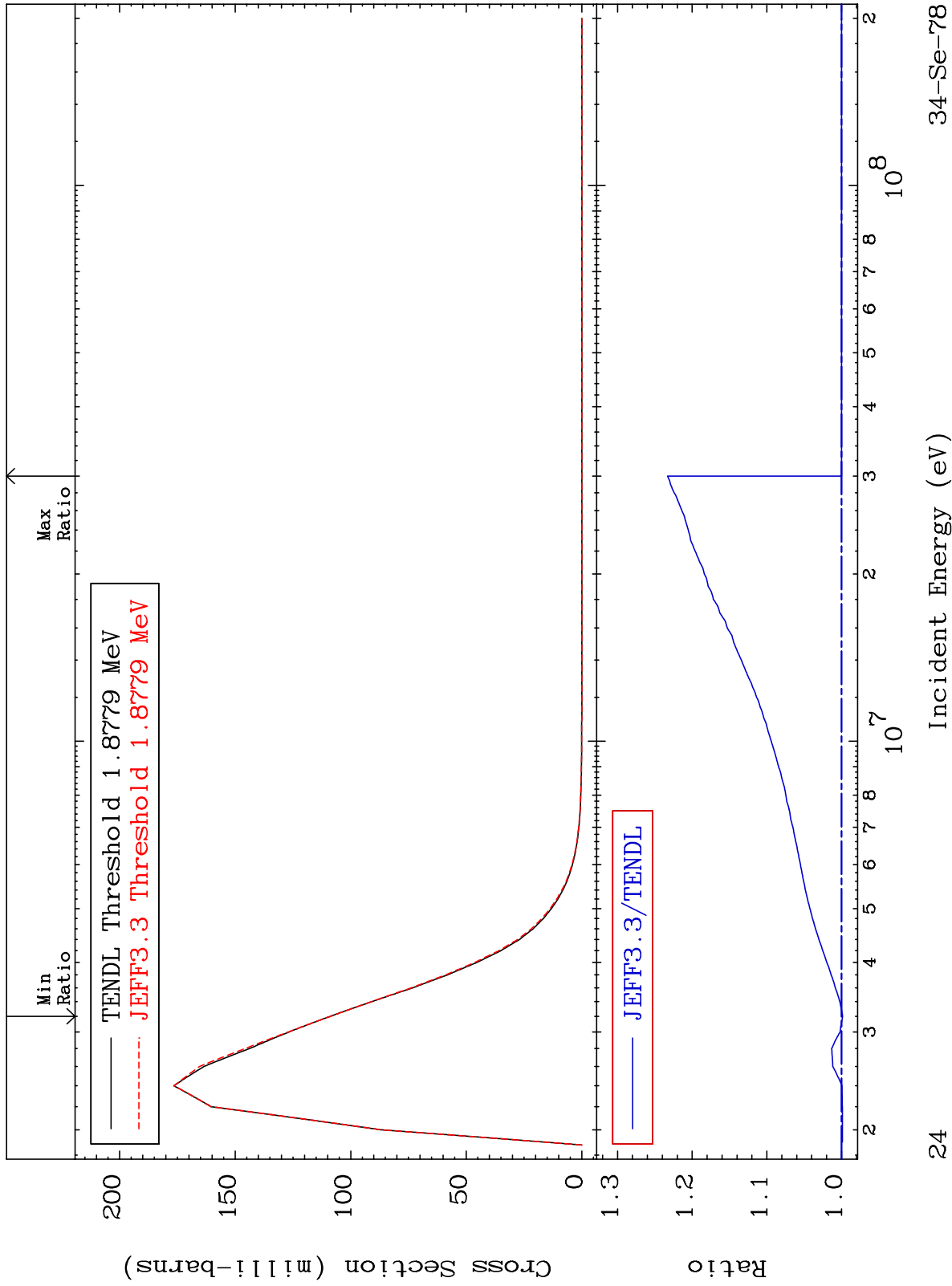




MAT 3437

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

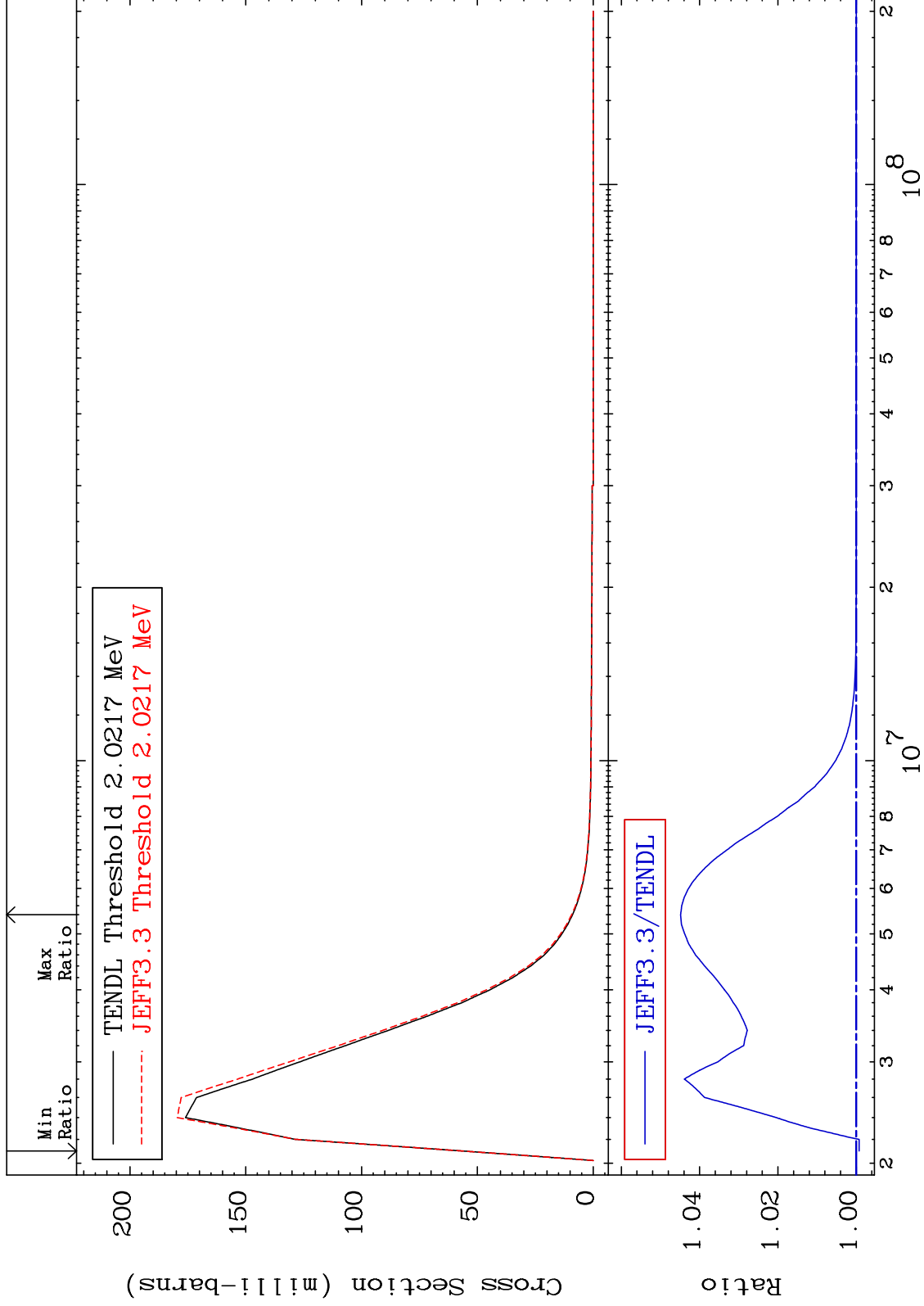
34-Se-78  
-0.150 To 23.30 %



MAT 3437

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

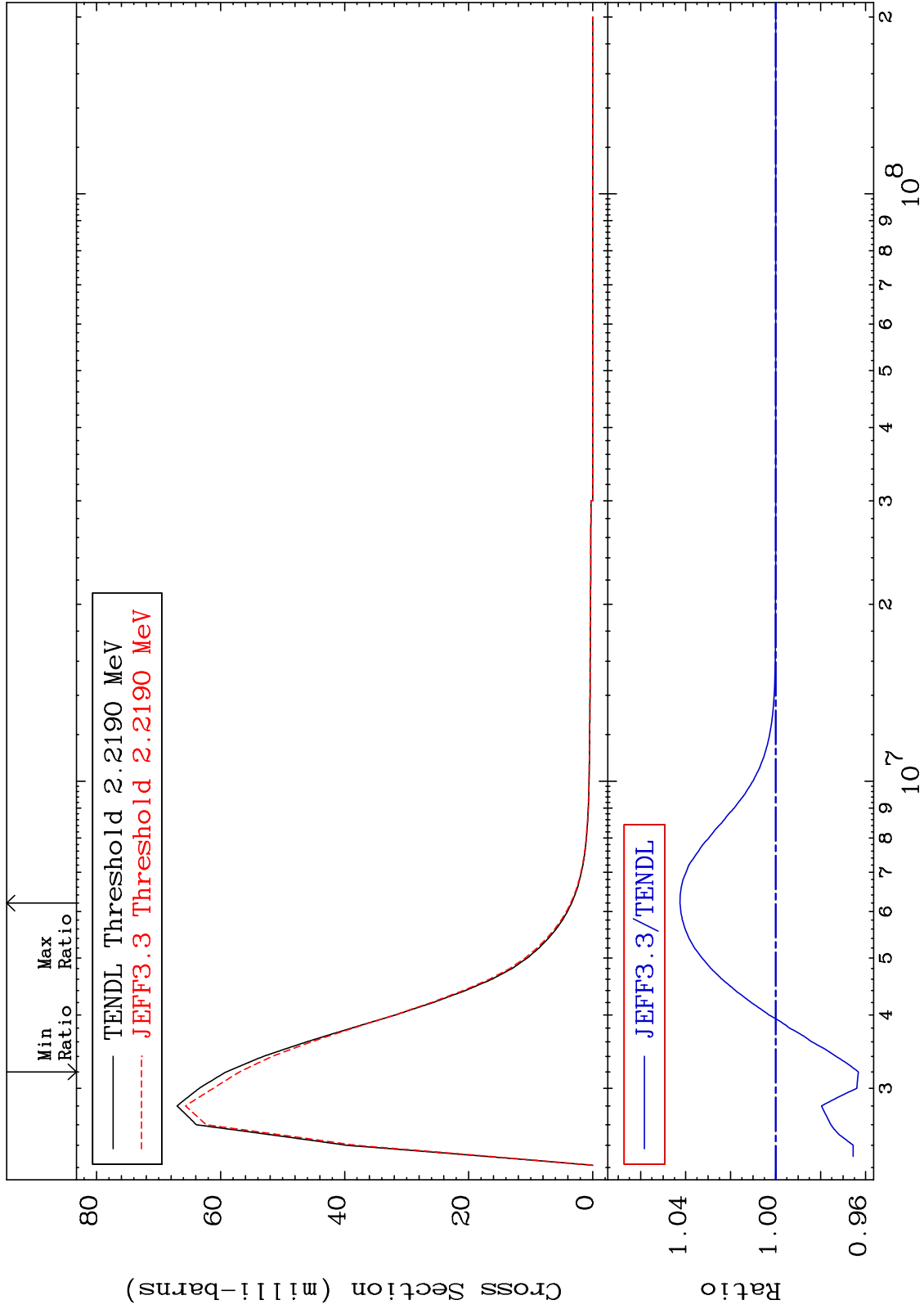
34-Se-78  
-0.075 To 4.486 %



MAT 3437

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

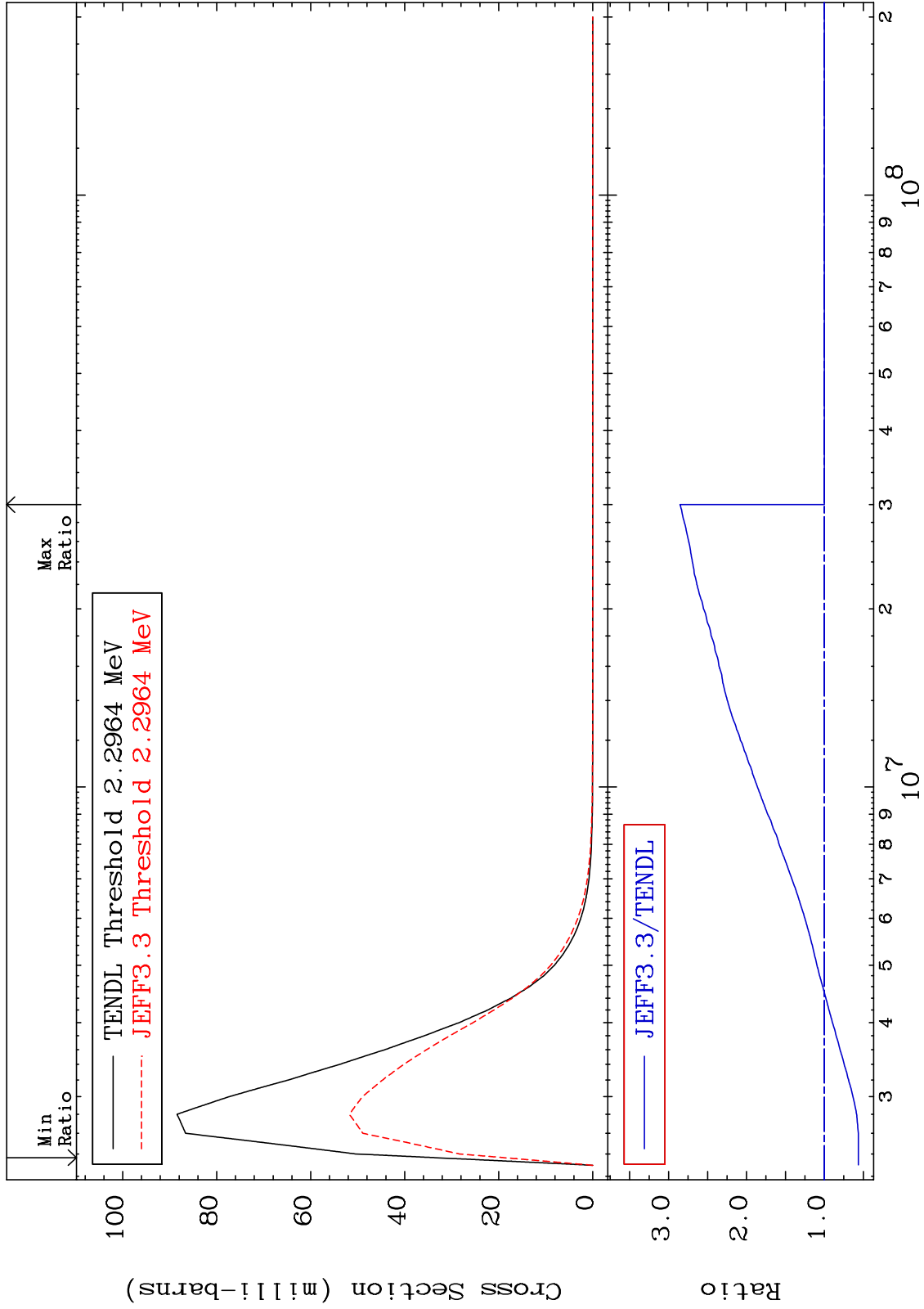
34-Se-78  
-3.681 To 4.250 %



MAT 3437

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

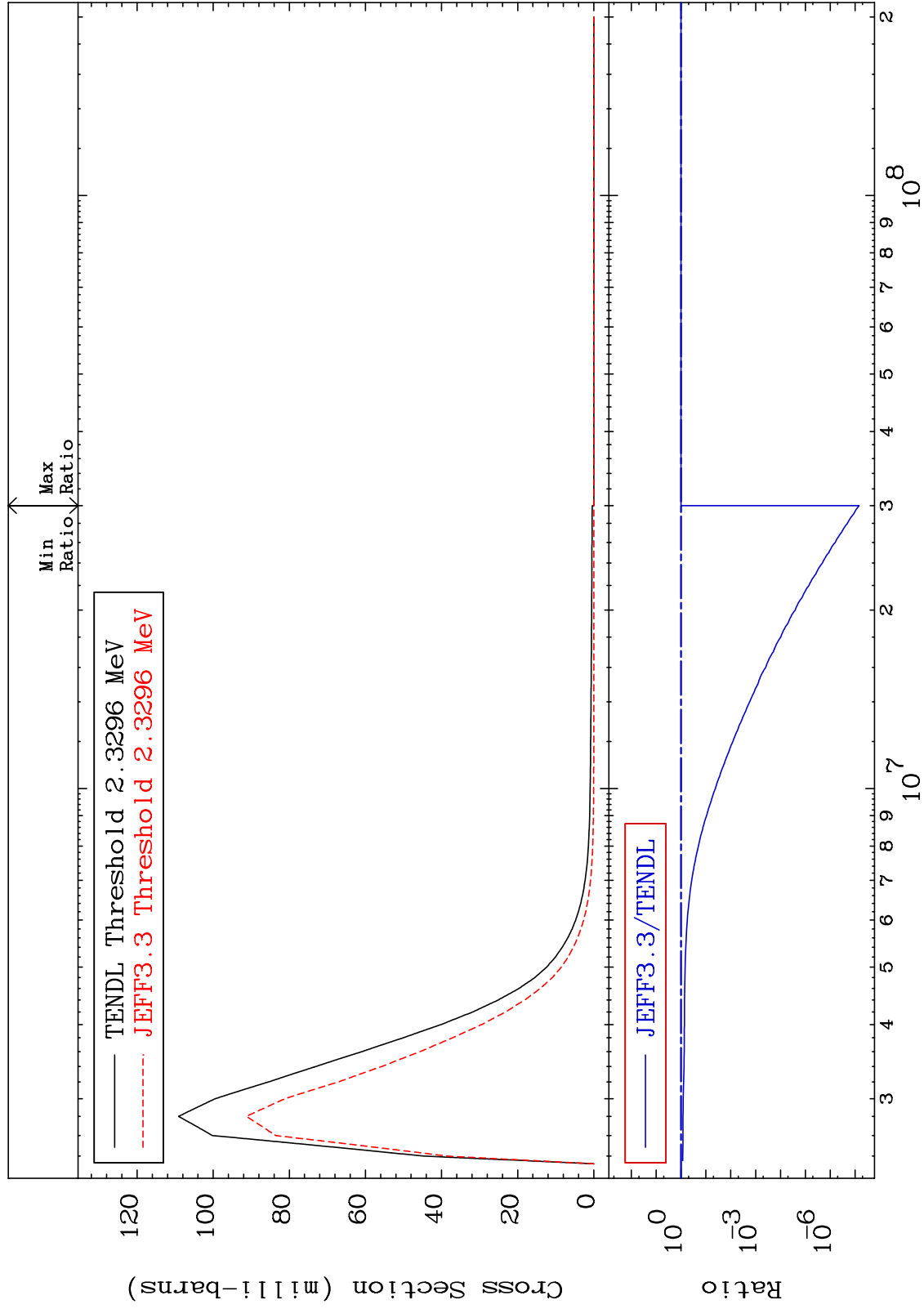
34-Se-78  
-43.71 To 185.3 %



MAT 3437

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

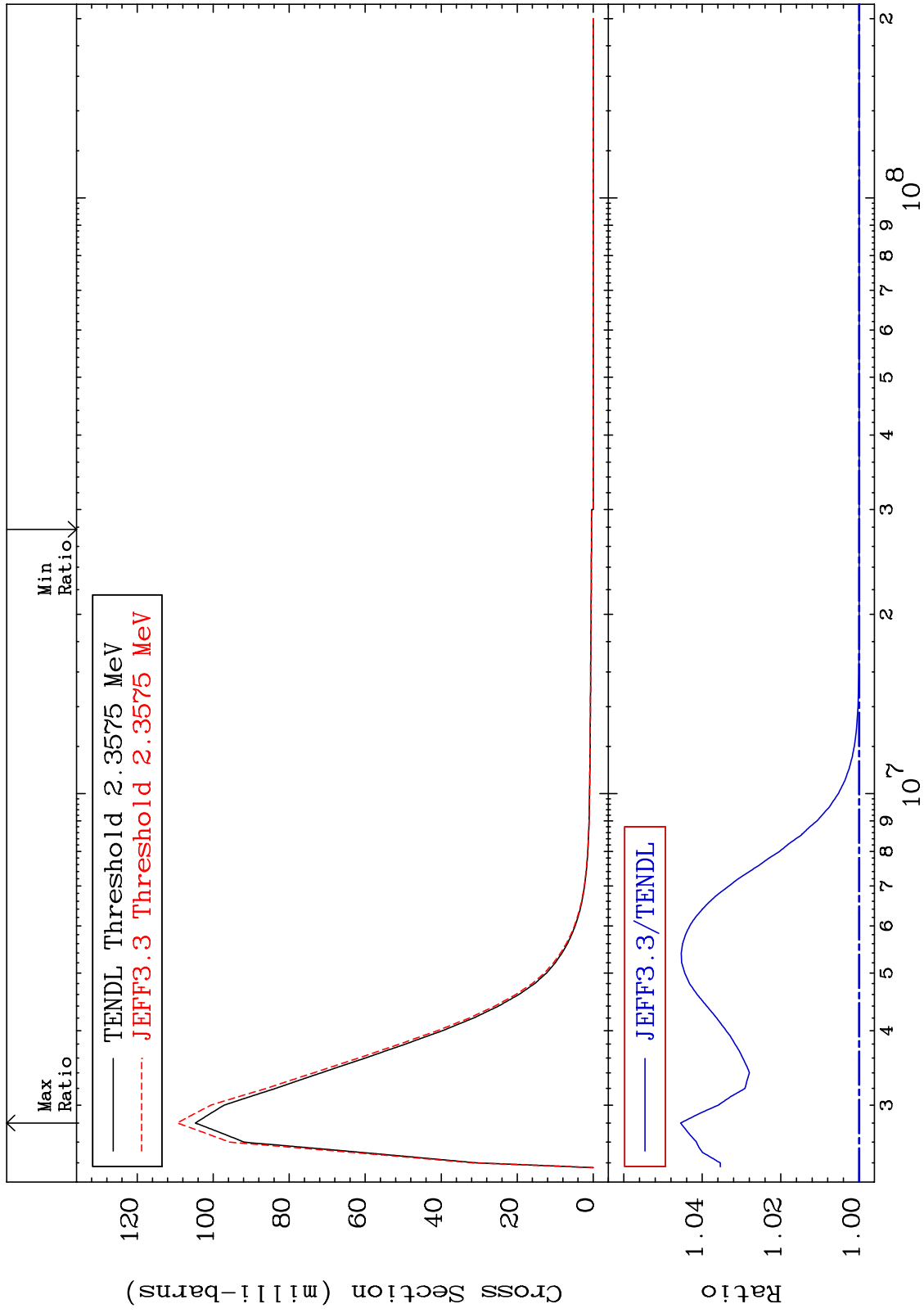
34-Se-78  
-100.0 To 0.000 %



MAT 3437

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

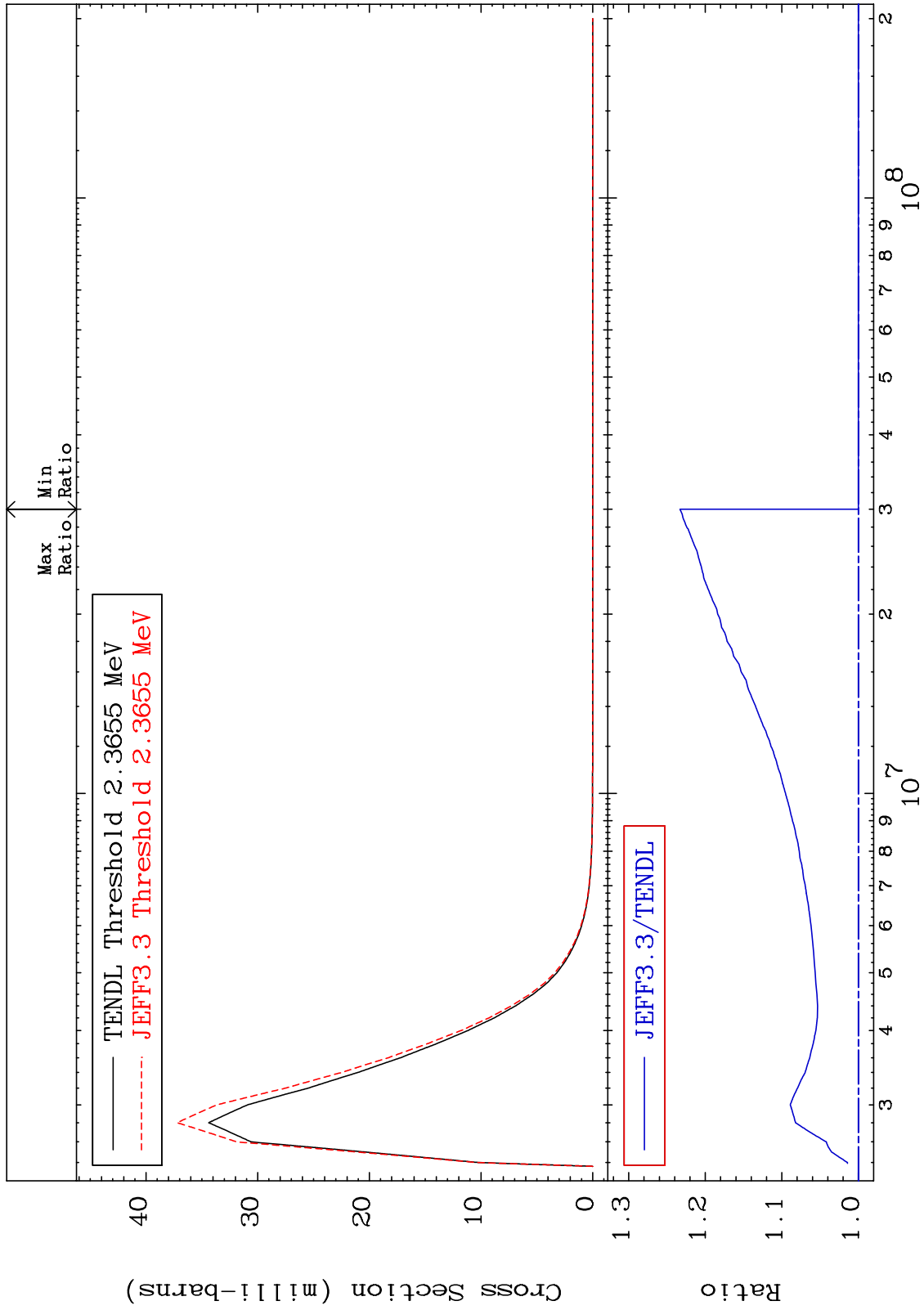
34-Se-78  
0.000 To 4.551 %



MAT 3437

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

34-Se-78  
0.000 To 23.30 %



30

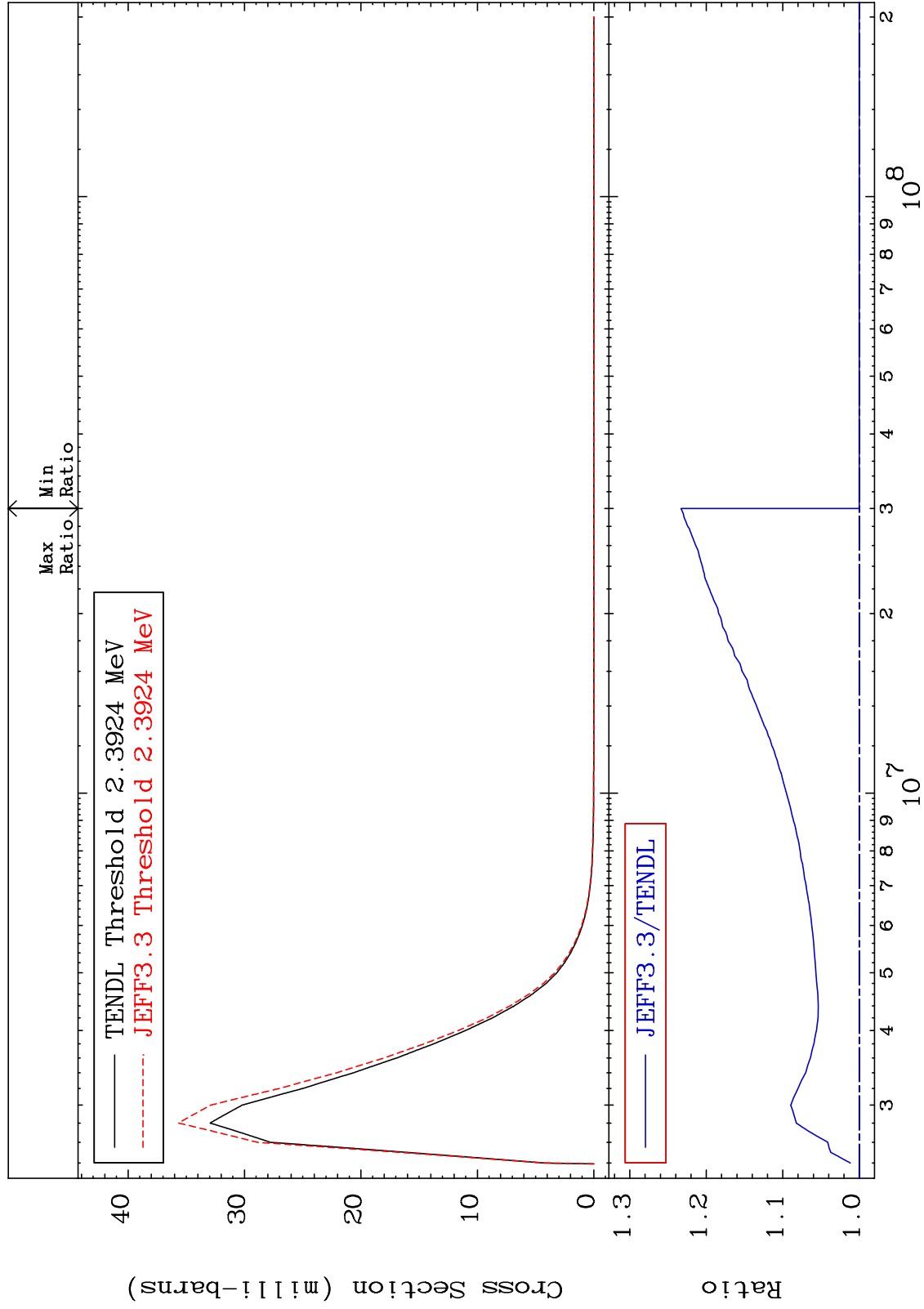
Incident Energy (eV)

34-Se-78

MAT 3437

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

34-Se-78  
0.000 To 23.30 %

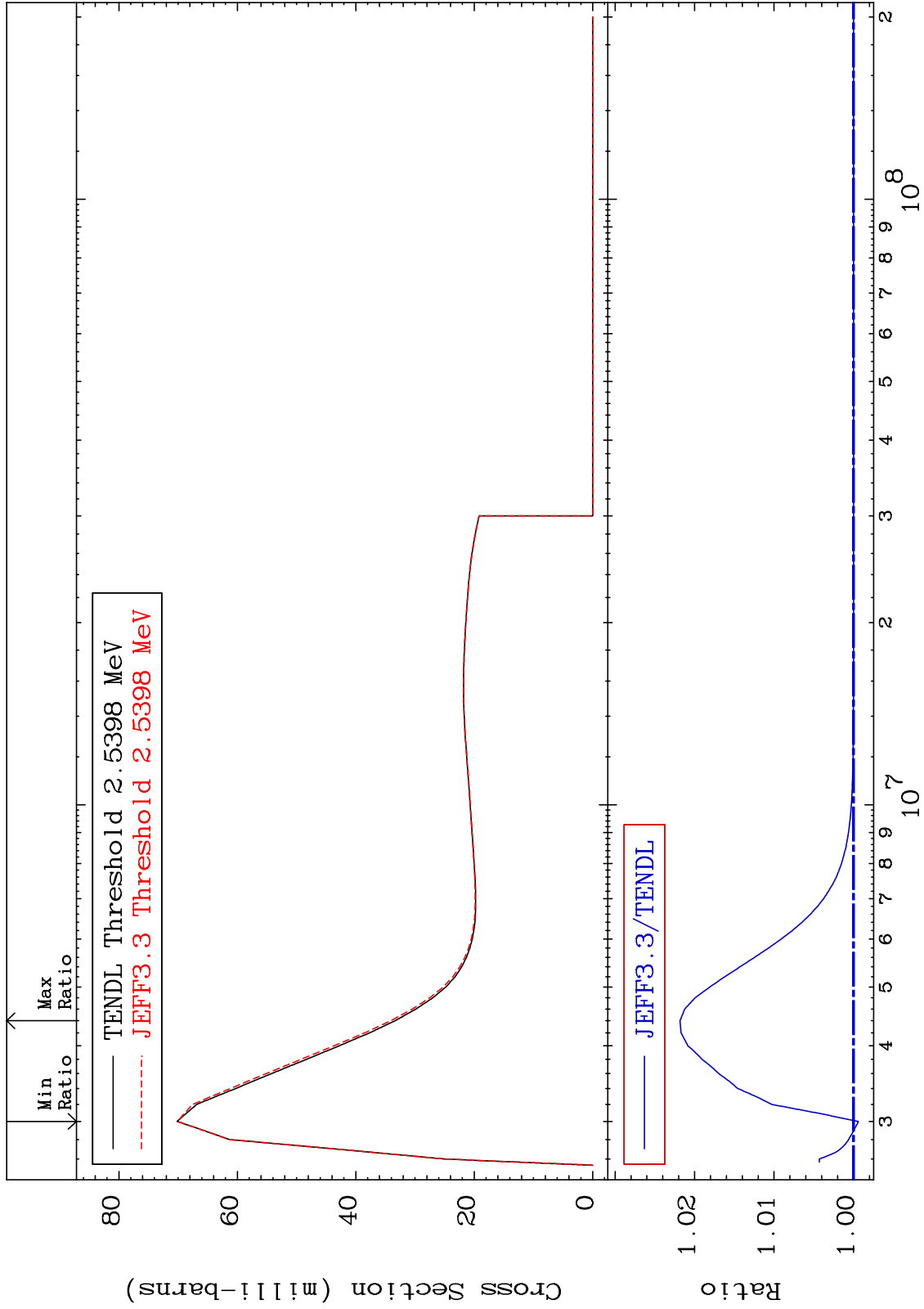




MAT 3437

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

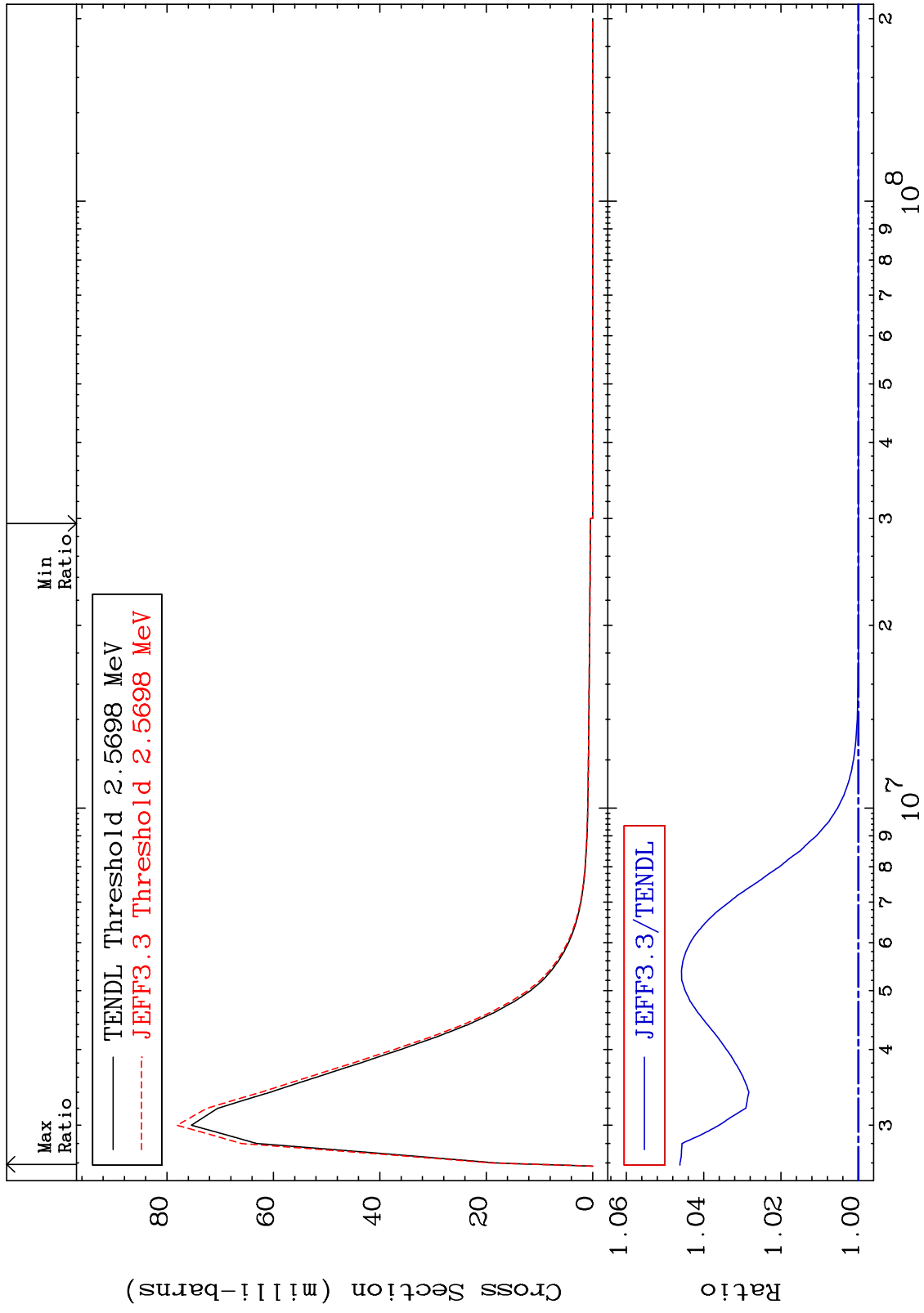
34-Se-78  
-0.061 To 2.183 %



MAT 3437

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

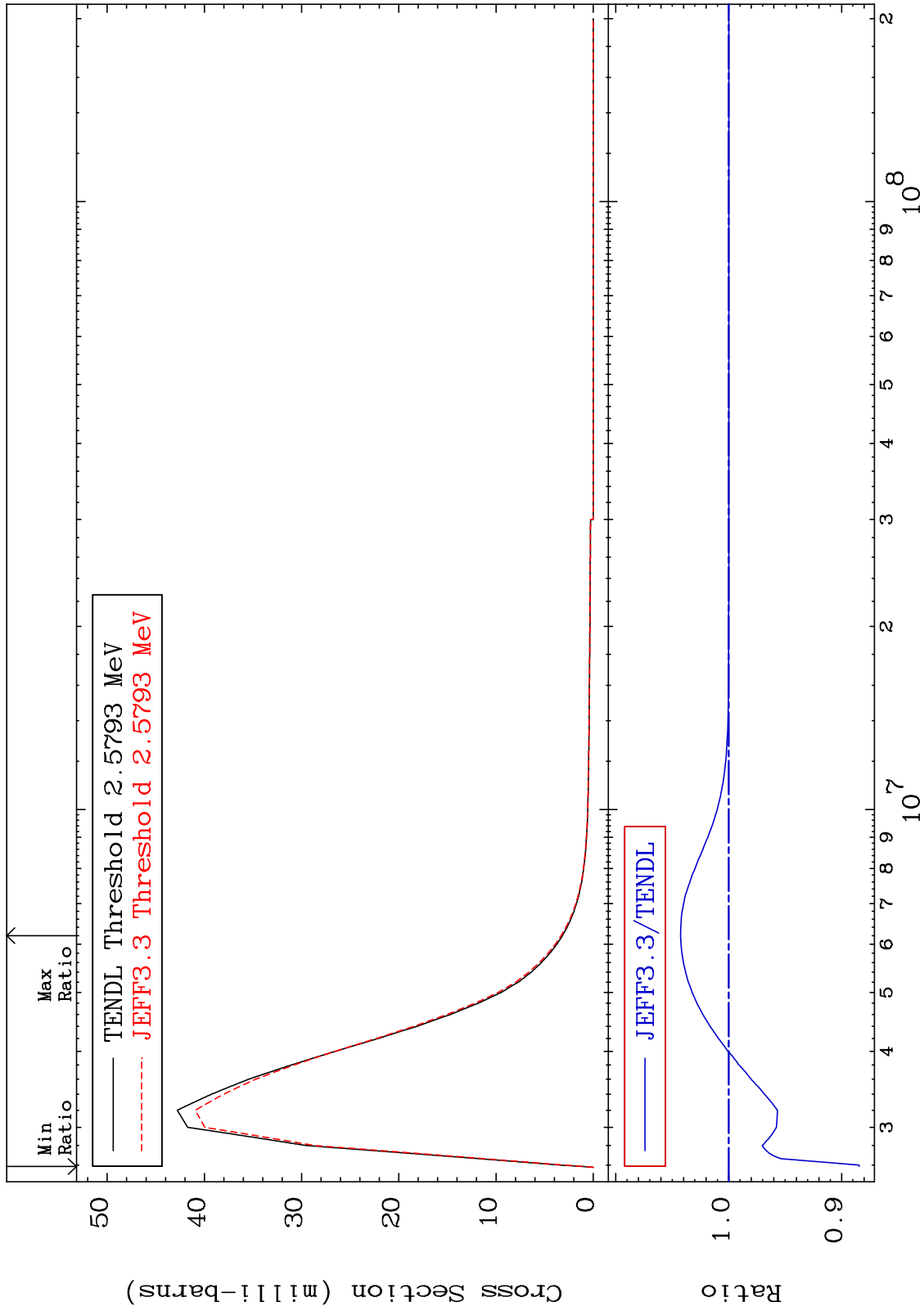
34-Se-78  
0.000 To 4.611 %



MAT 3437

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

34-Se-78  
-11.56 To 4.259 %



34

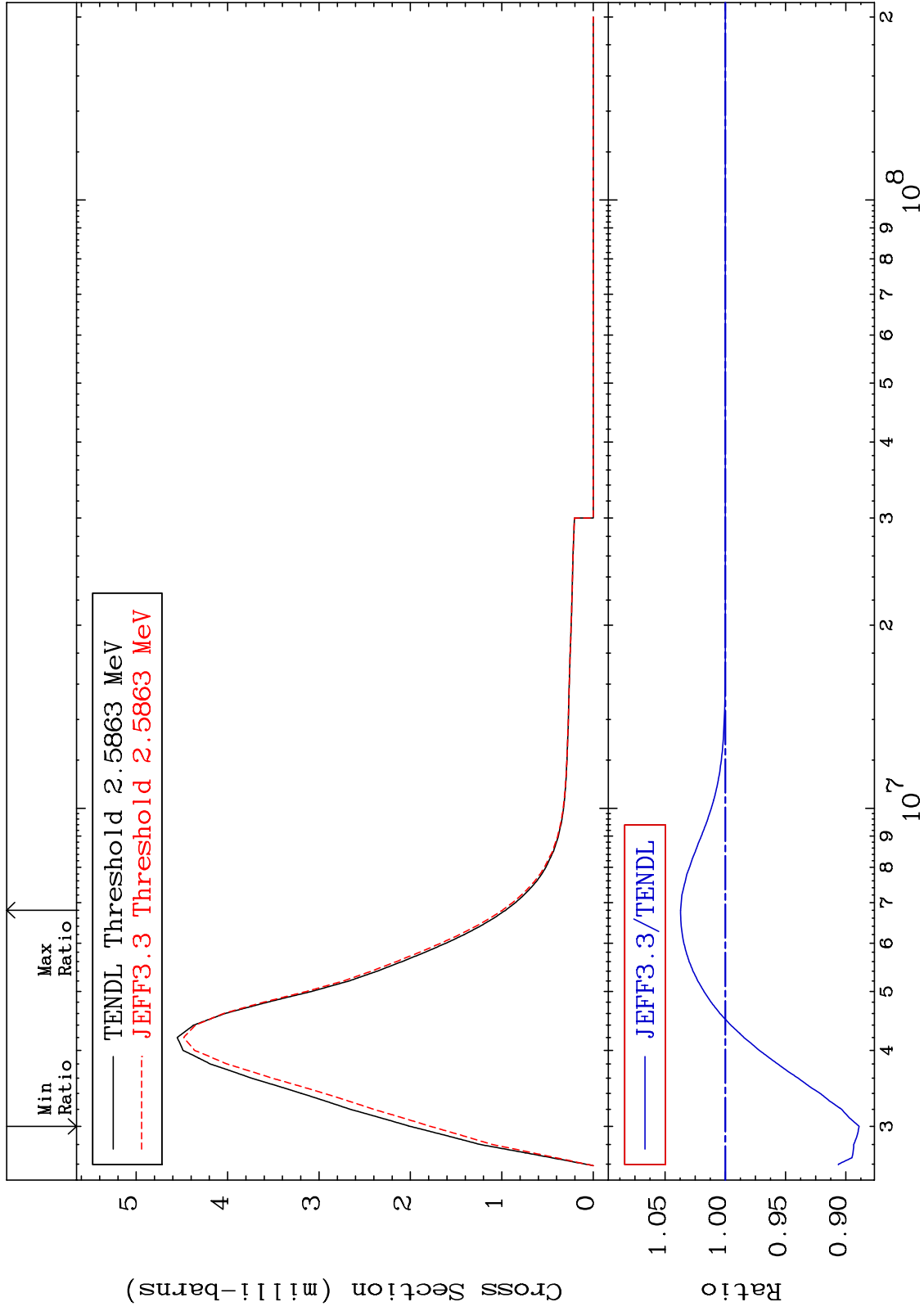
Incident Energy (eV)

34-Se-78

MAT 3437

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

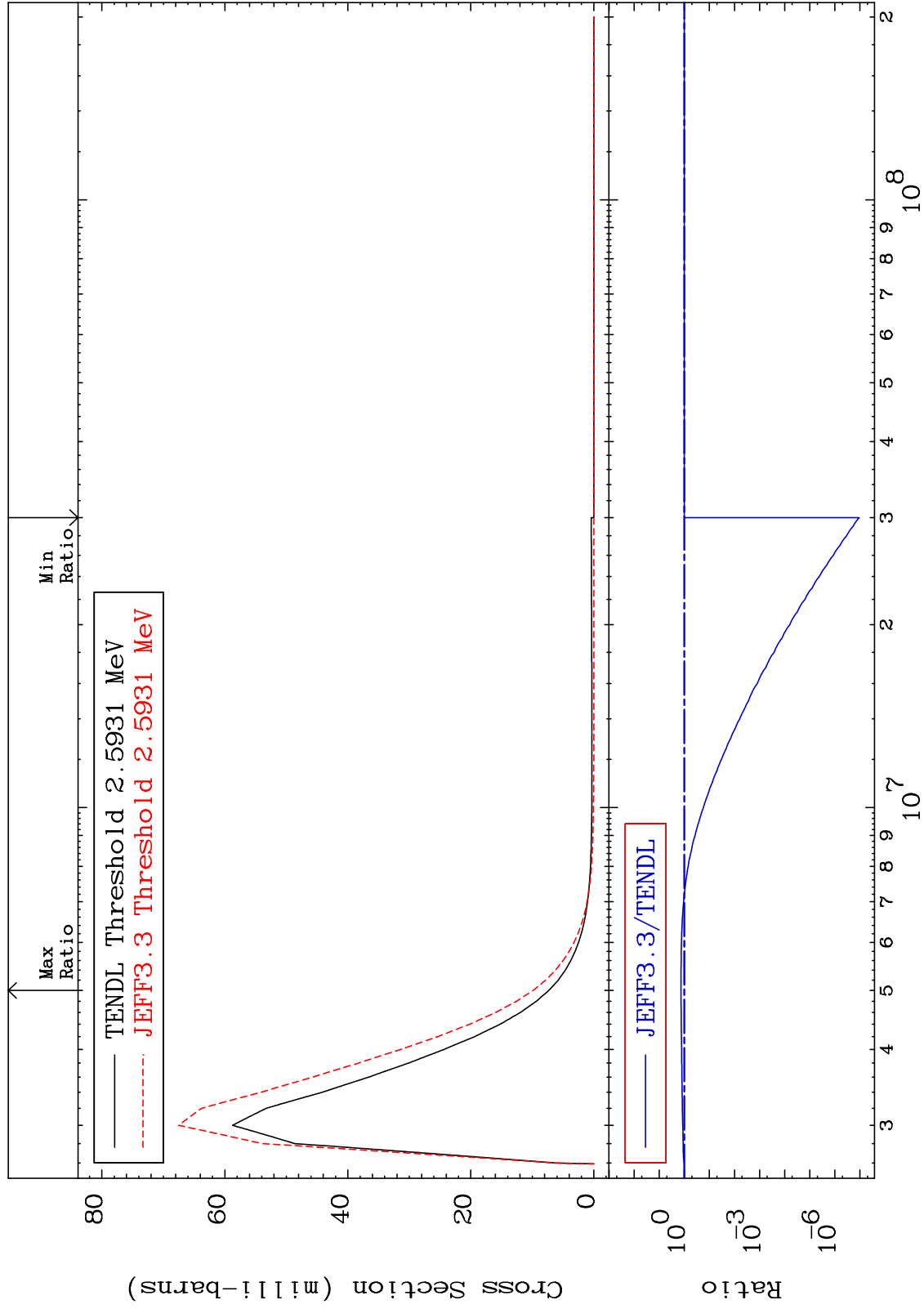
34-Se-78  
-11.11 To 3.712 %



MAT 3437

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

34-Se-78  
-100.0 To 35.03 %



36

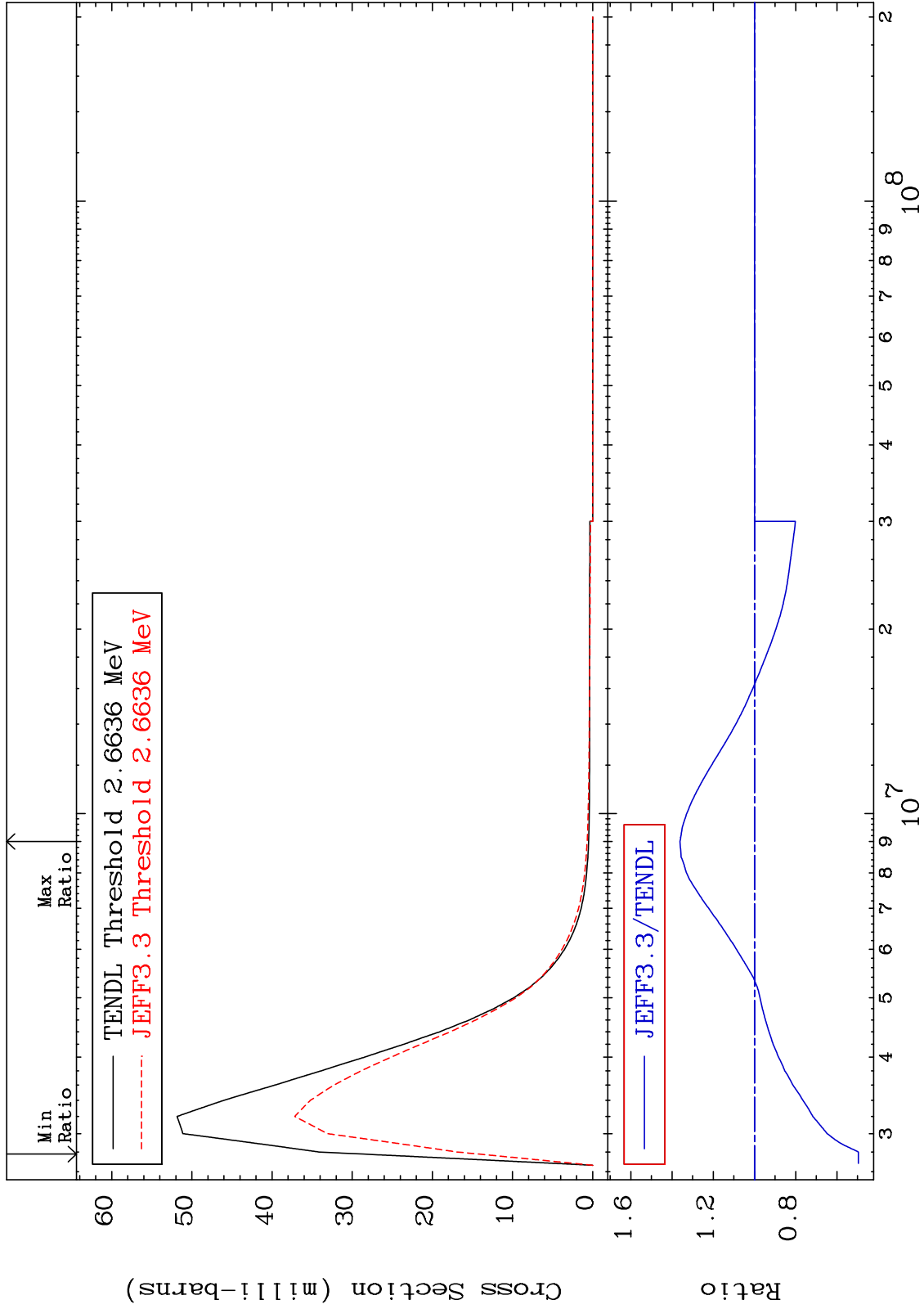
Incident Energy (eV)

34-Se-78

MAT 3437

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

34-Se-78  
-50.40 To 36.15 %



37

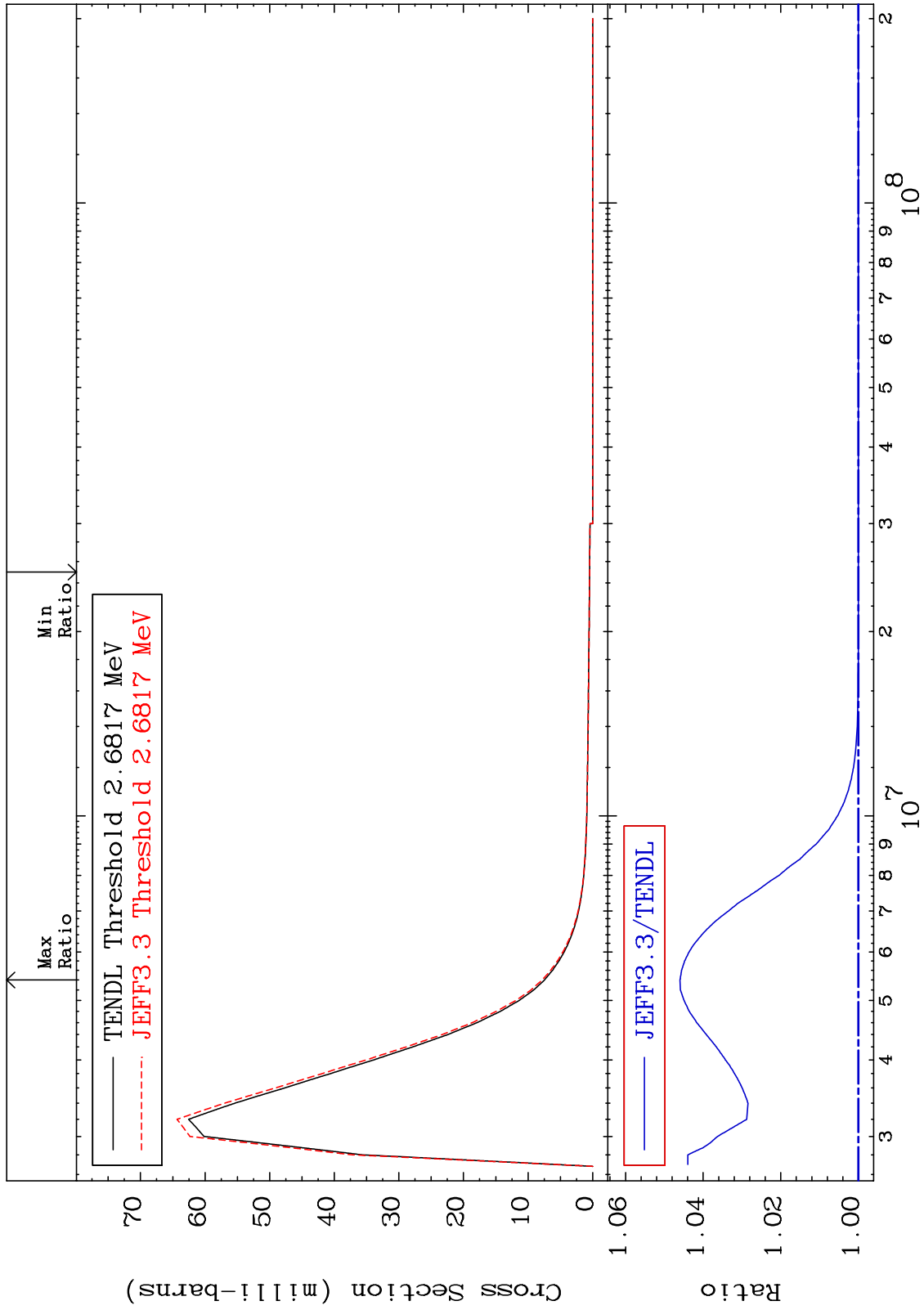
Incident Energy (eV)

34-Se-78

MAT 3437

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

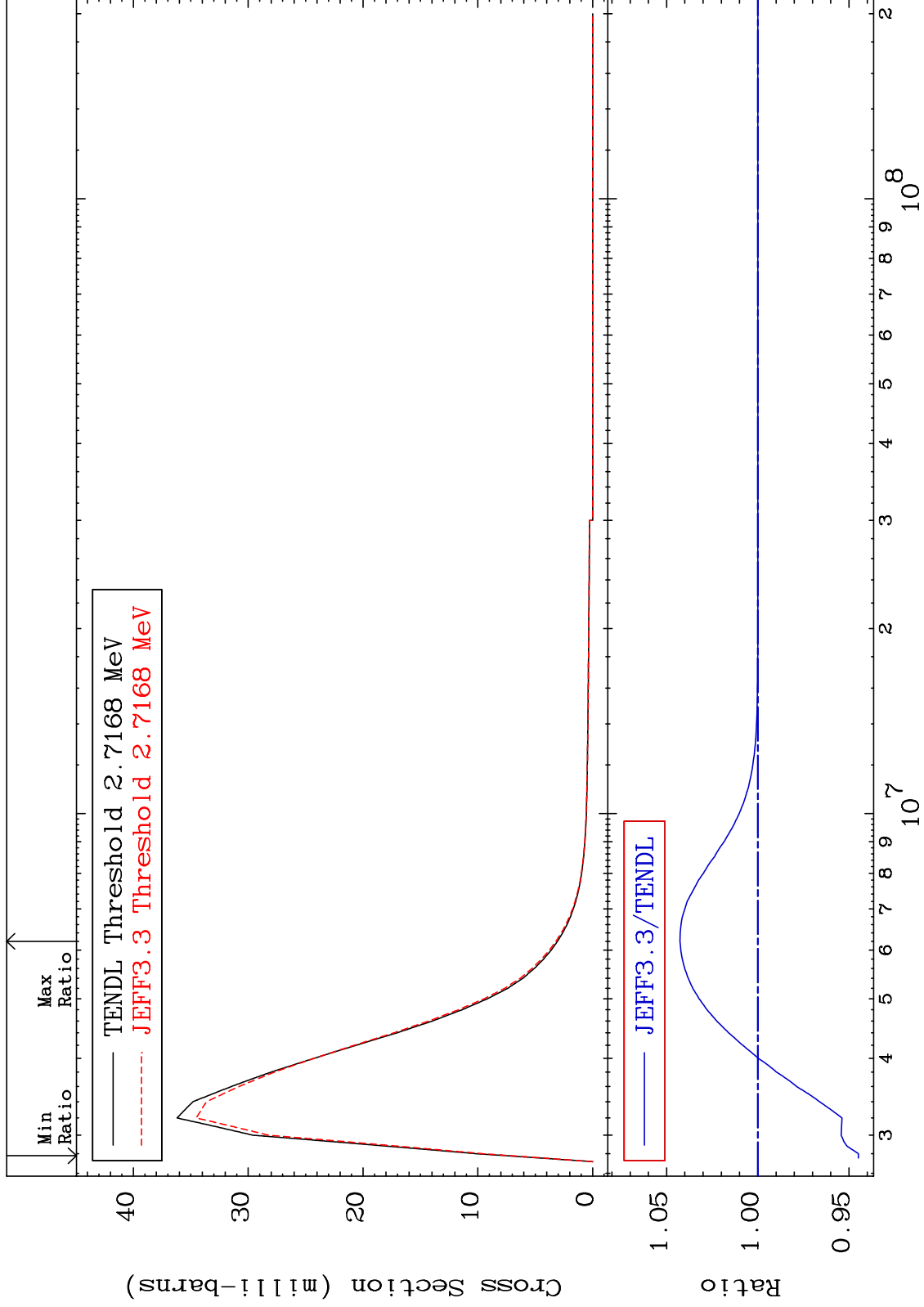
34-Se-78  
0.000 To 4.596 %



MAT 3437

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

34-Se-78  
-5.517 To 4.265 %



39

34-Se-78

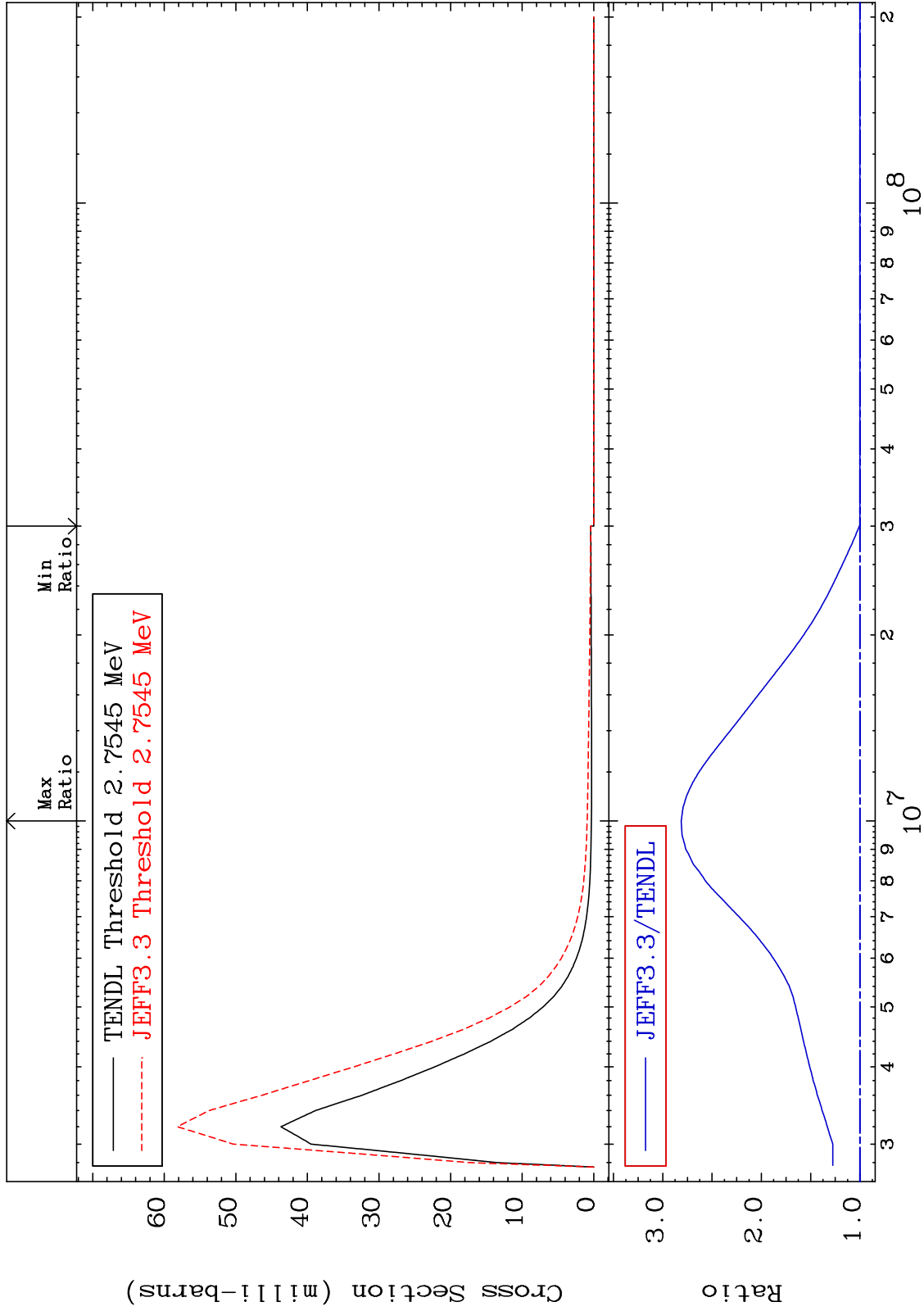
34-Se-78



MAT 3437

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

34-Se-78  
0.000 To 181.3 %



40

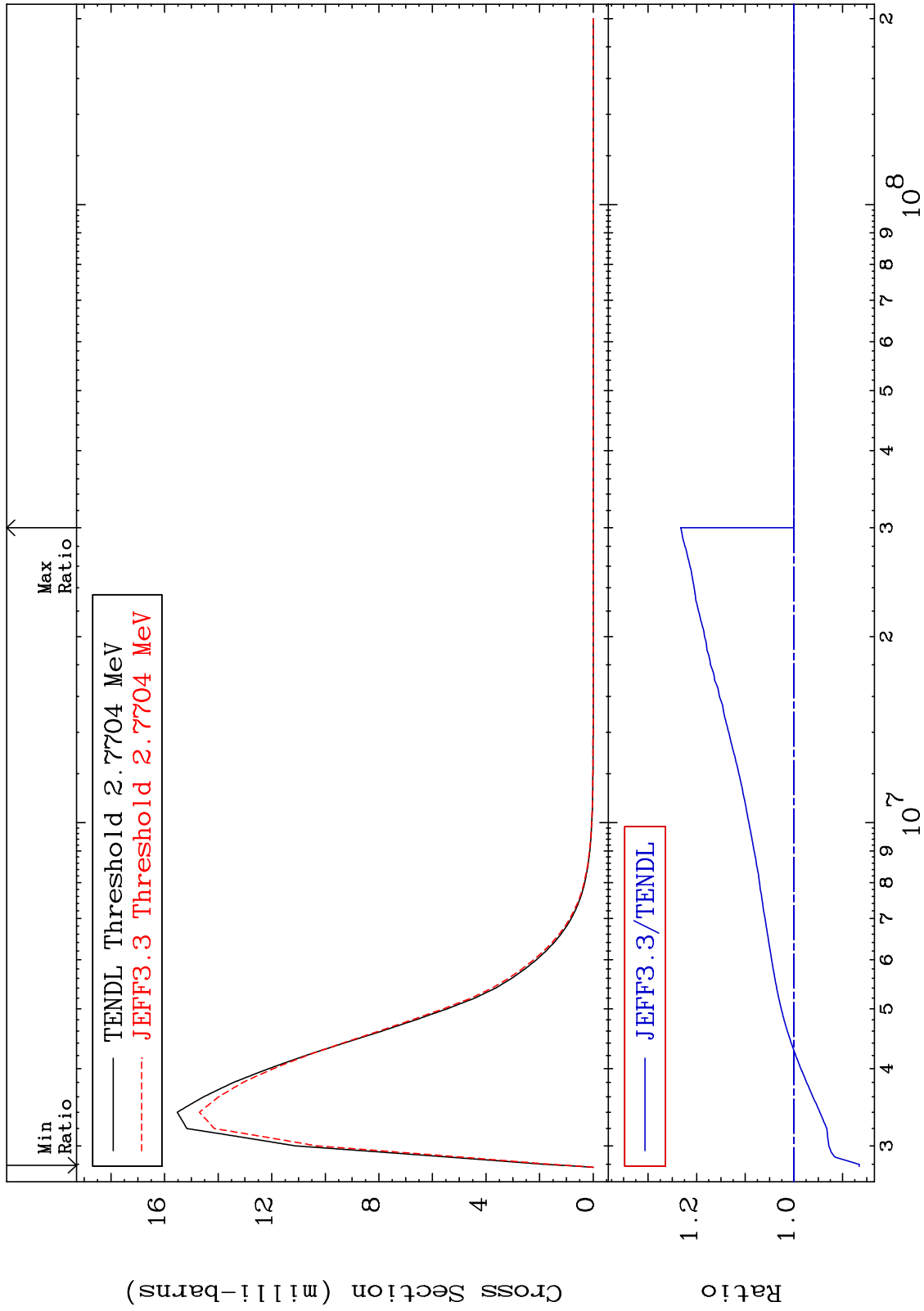
Incident Energy (eV)

34-Se-78

MAT 3437

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

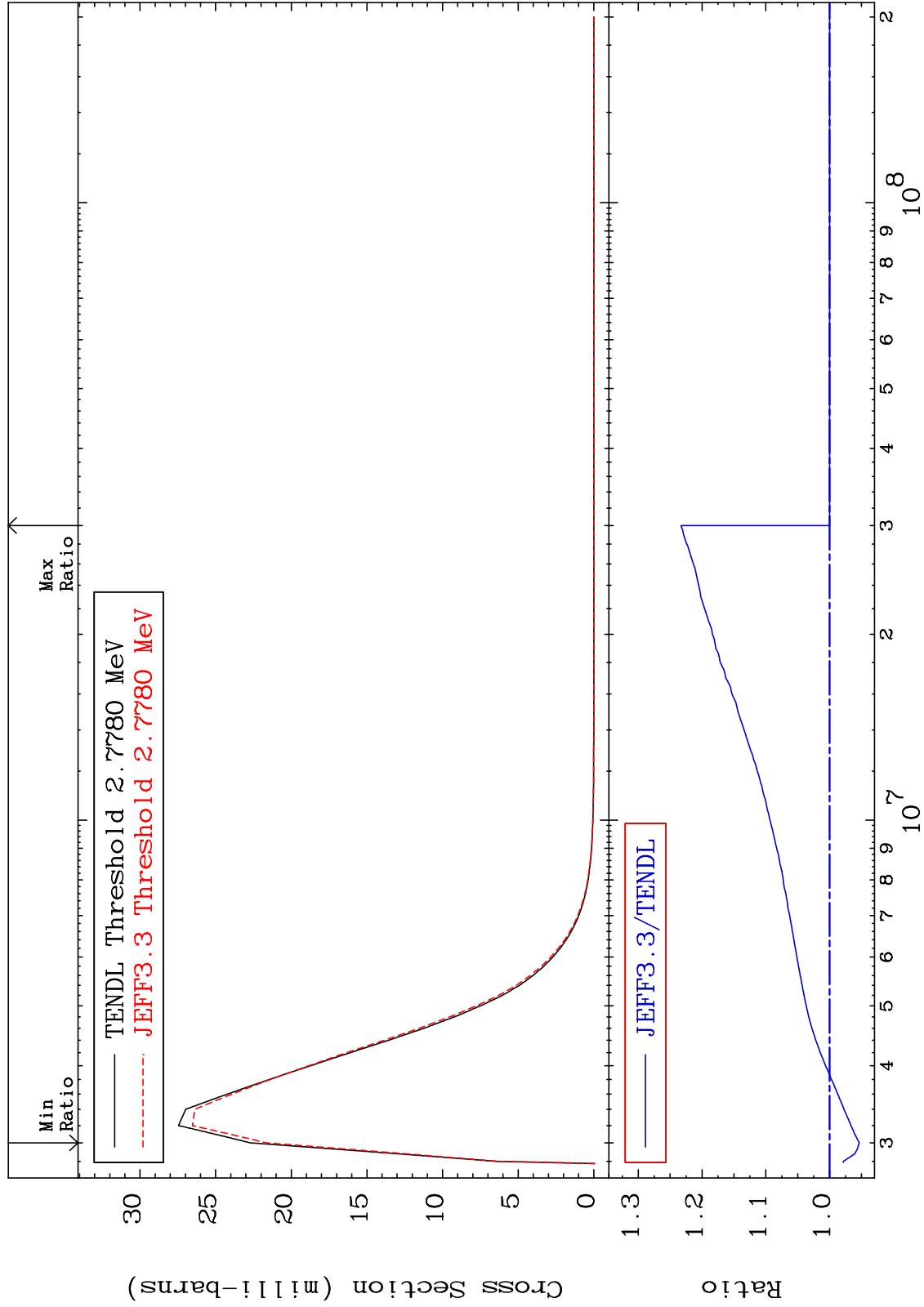
34-Se-78  
-13.42 To 23.29 %



MAT 3437

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

34-Se-78  
-4.654 To 23.30 %



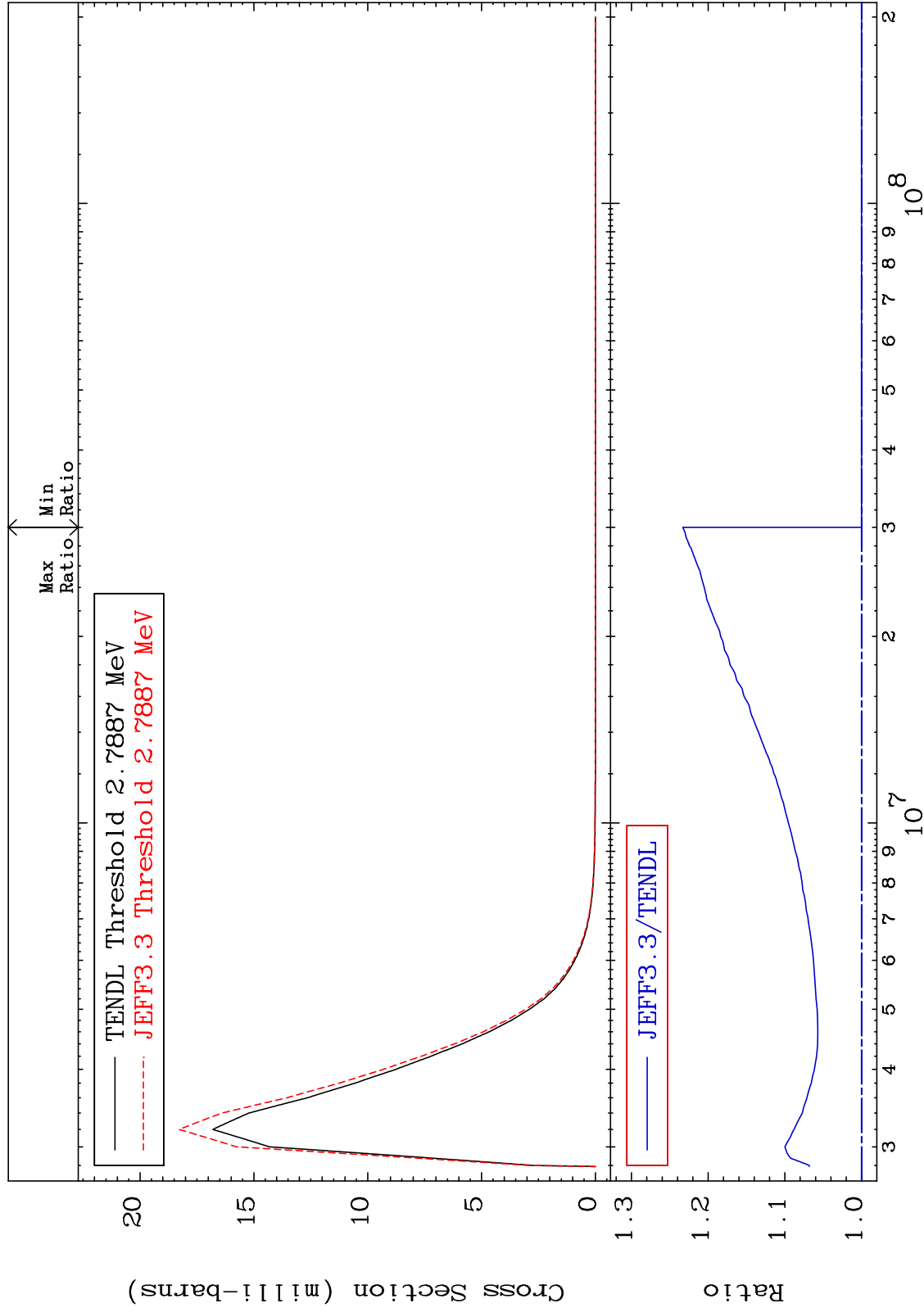
42

34-Se-78

MAT 3437

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

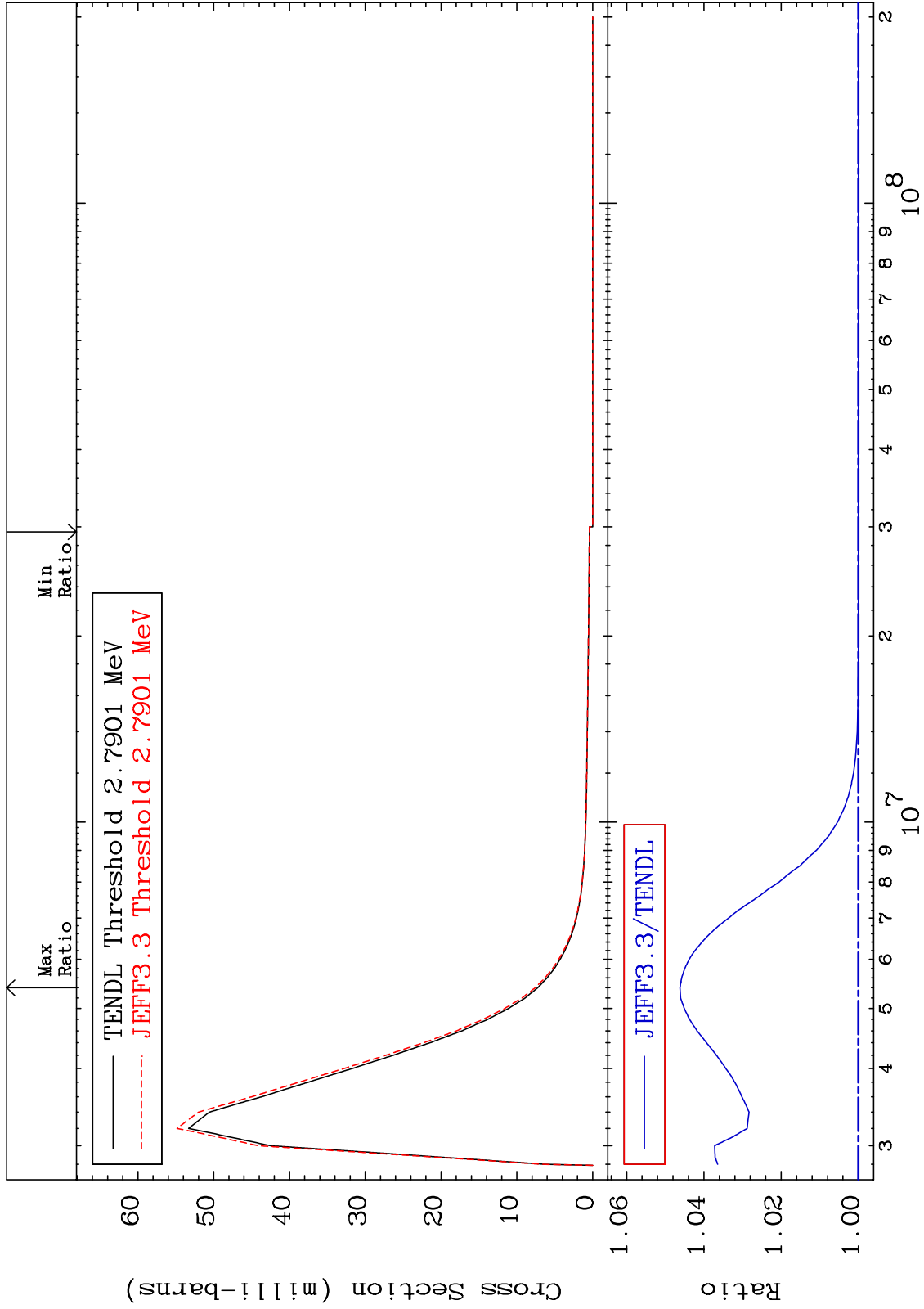
34-Se-78  
0.000 To 23.30 %



MAT 3437

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

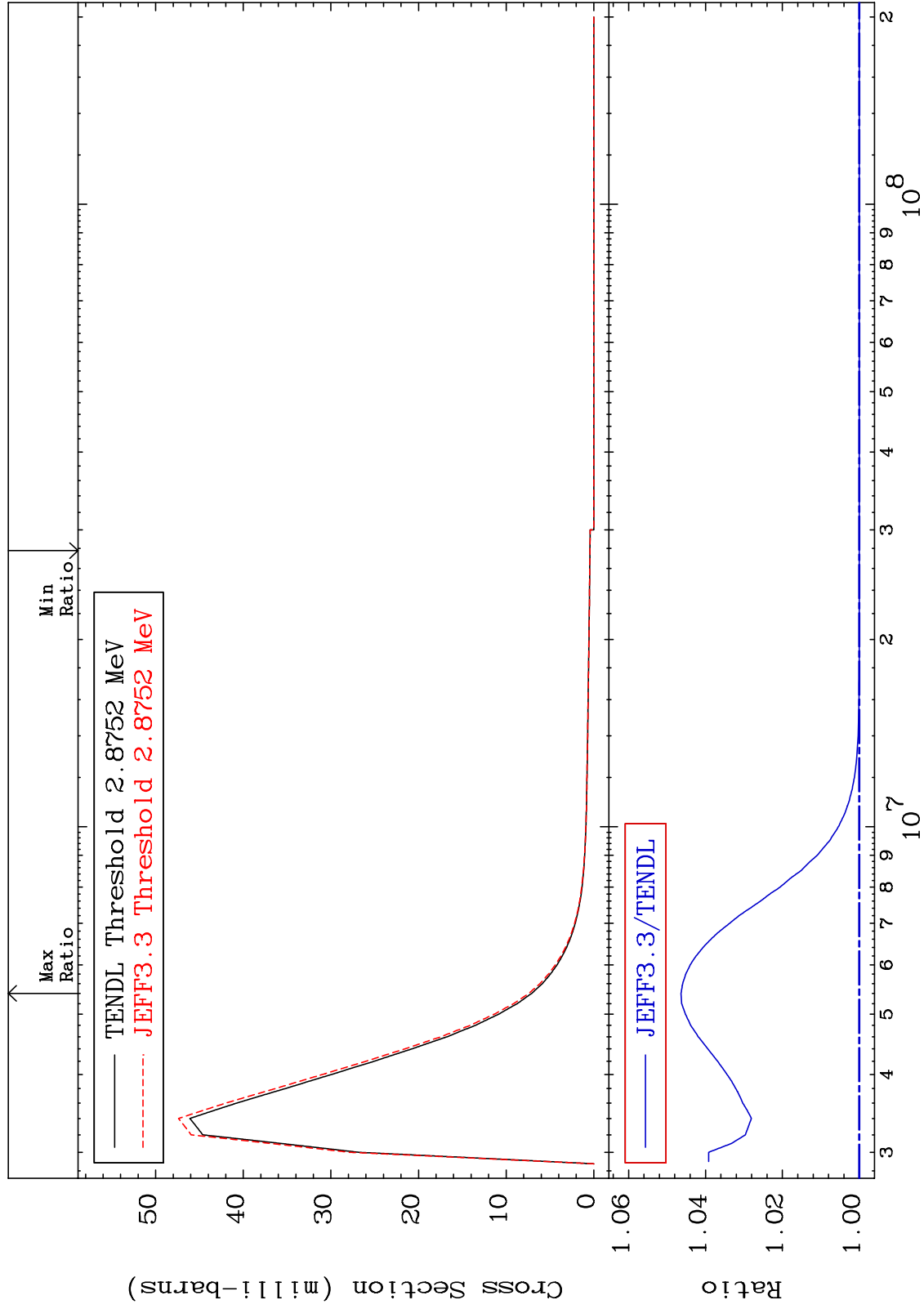
34-Se-78  
0.000 To 4.618 %



MAT 3437

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

34-Se-78  
0.000 To 4.636 %



45

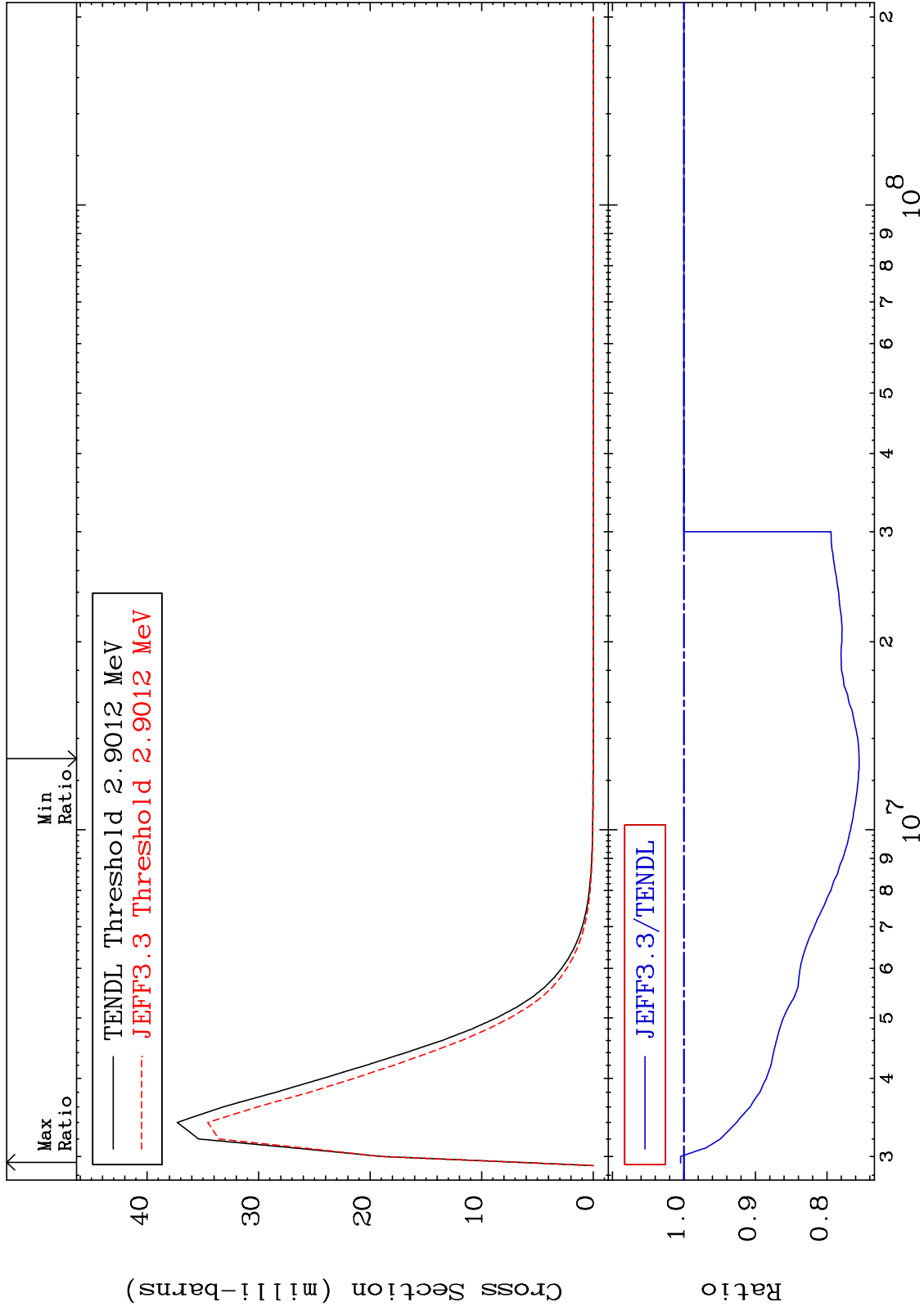
Incident Energy (eV)

34-Se-78

MAT 3437

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

34-Se-78  
-24.50 To 0.460 %



46

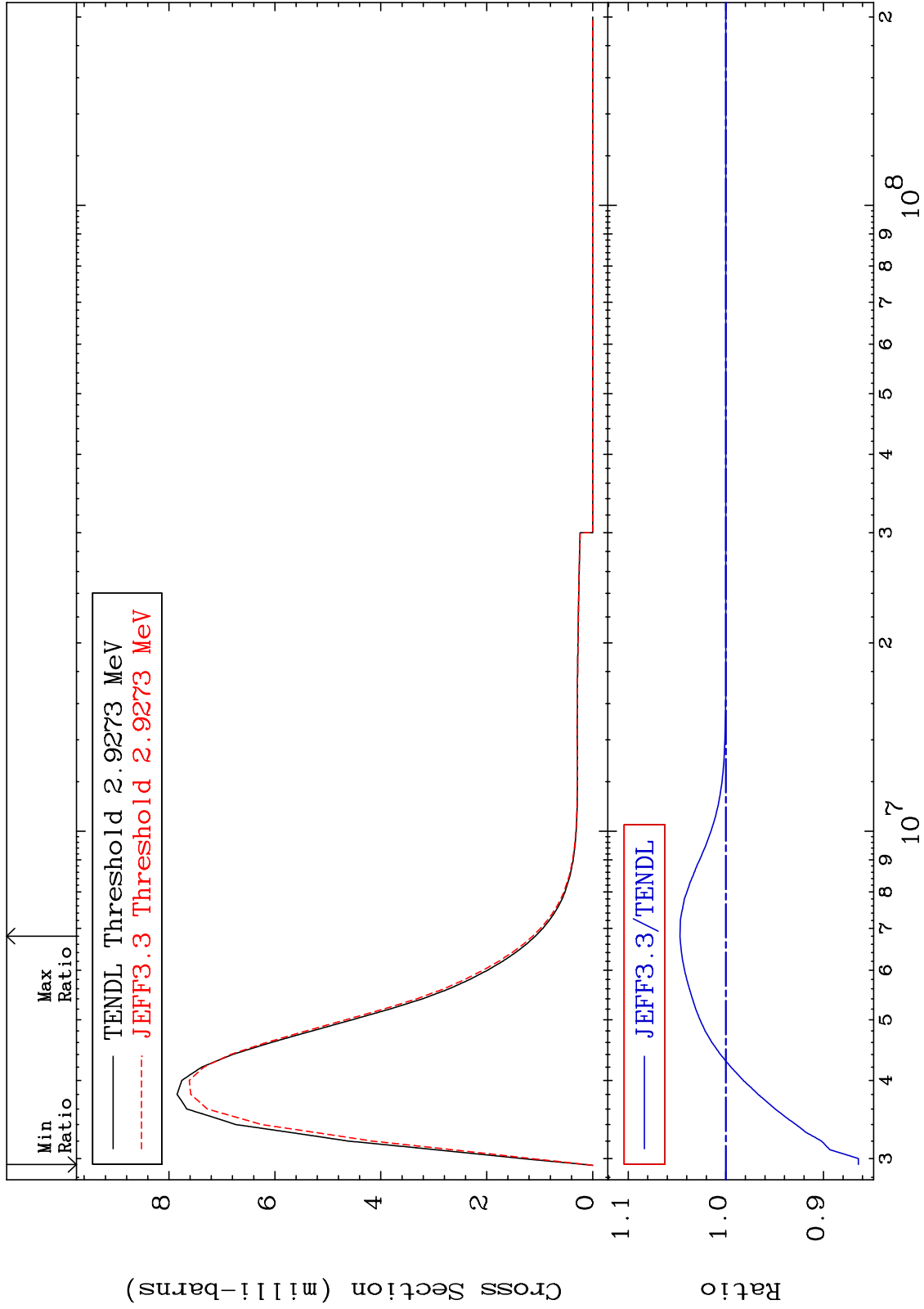
Incident Energy (eV)

34-Se-78

MAT 3437

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

34-Se-78  
-13.57 To 4.691 %



47

Incident Energy (eV)

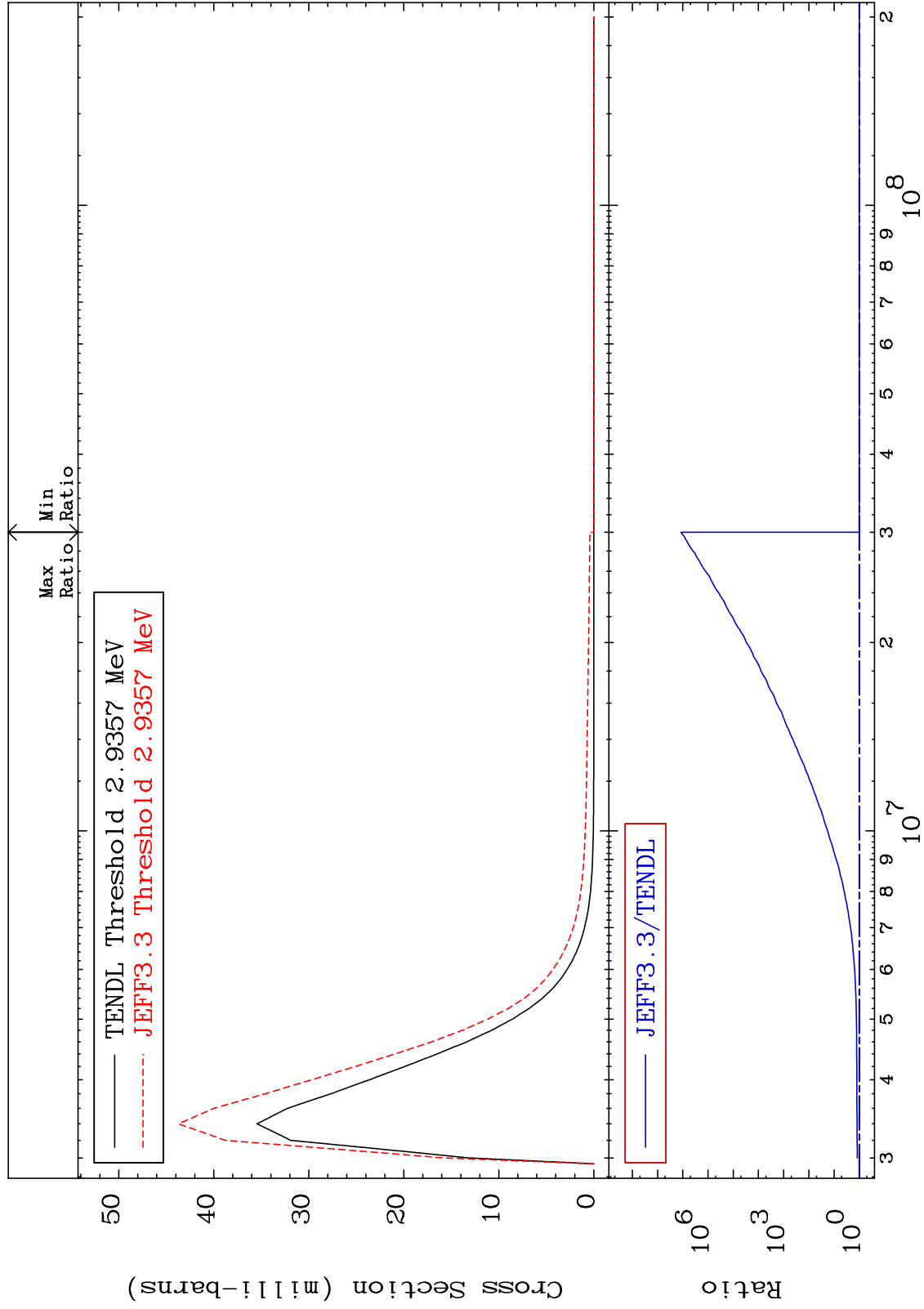
34-Se-78



MAT 3437

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

0.000 To 9999. %  
34-Se-78



48

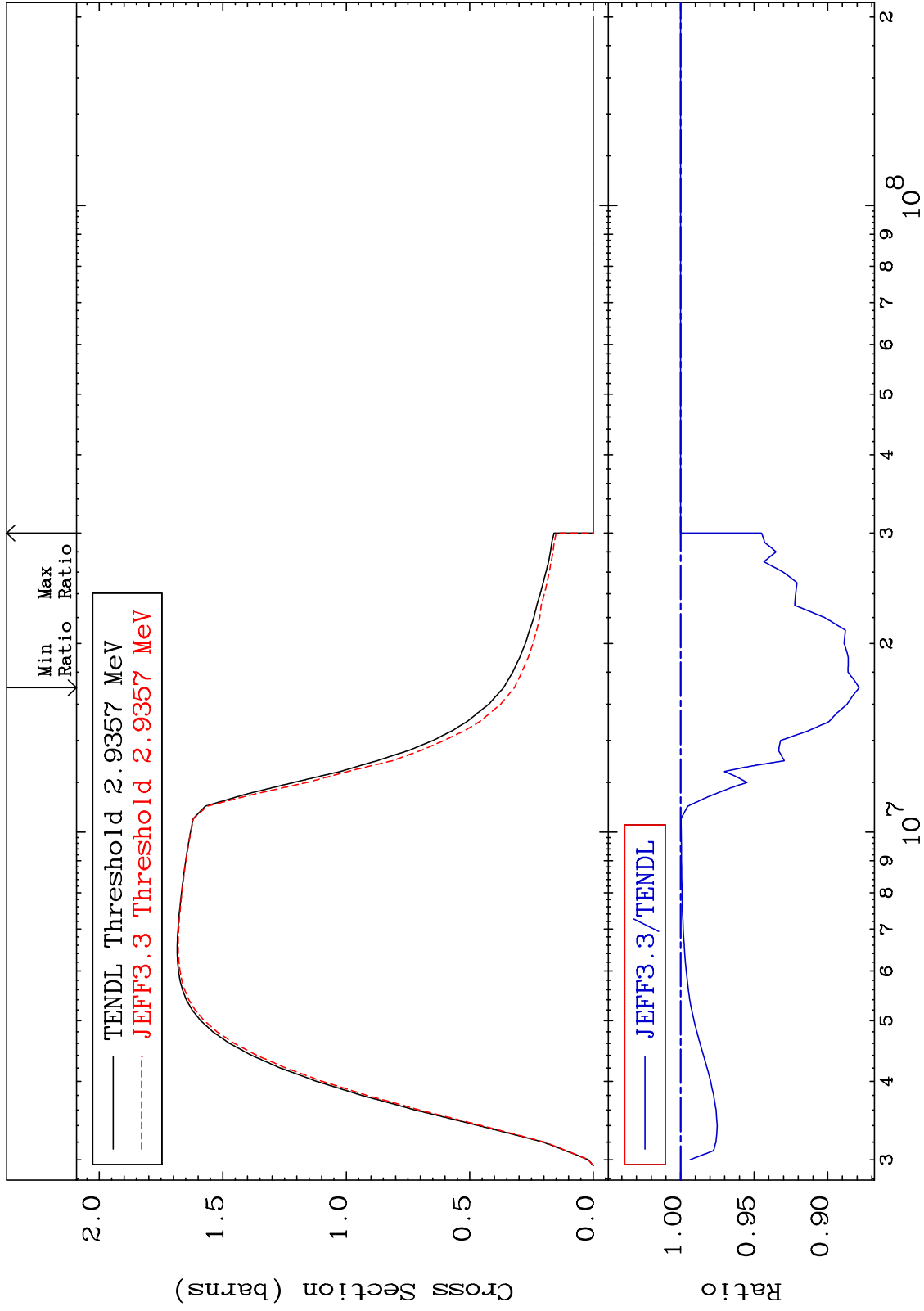
Incident Energy (eV)

34-Se-78

MAT 3437

(n, n') Continuum  
Cross Section

34-Se-78  
-12.14 To 0.000 %



49

Incident Energy (eV)

34-Se-78

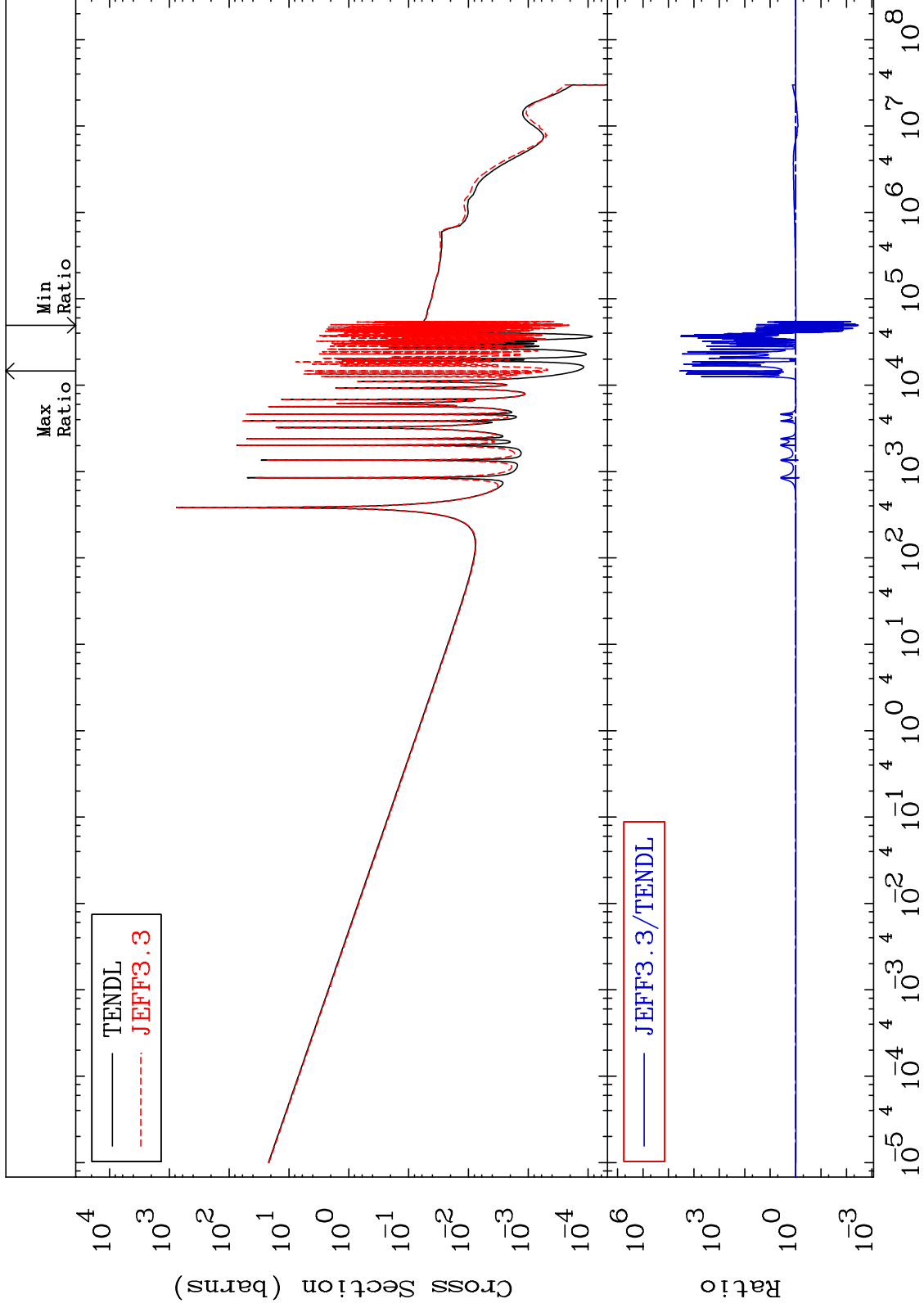
MAT 3437

(n,  $\gamma$ )

34-Se-78

Cross Section

-99.66 To 9999. %

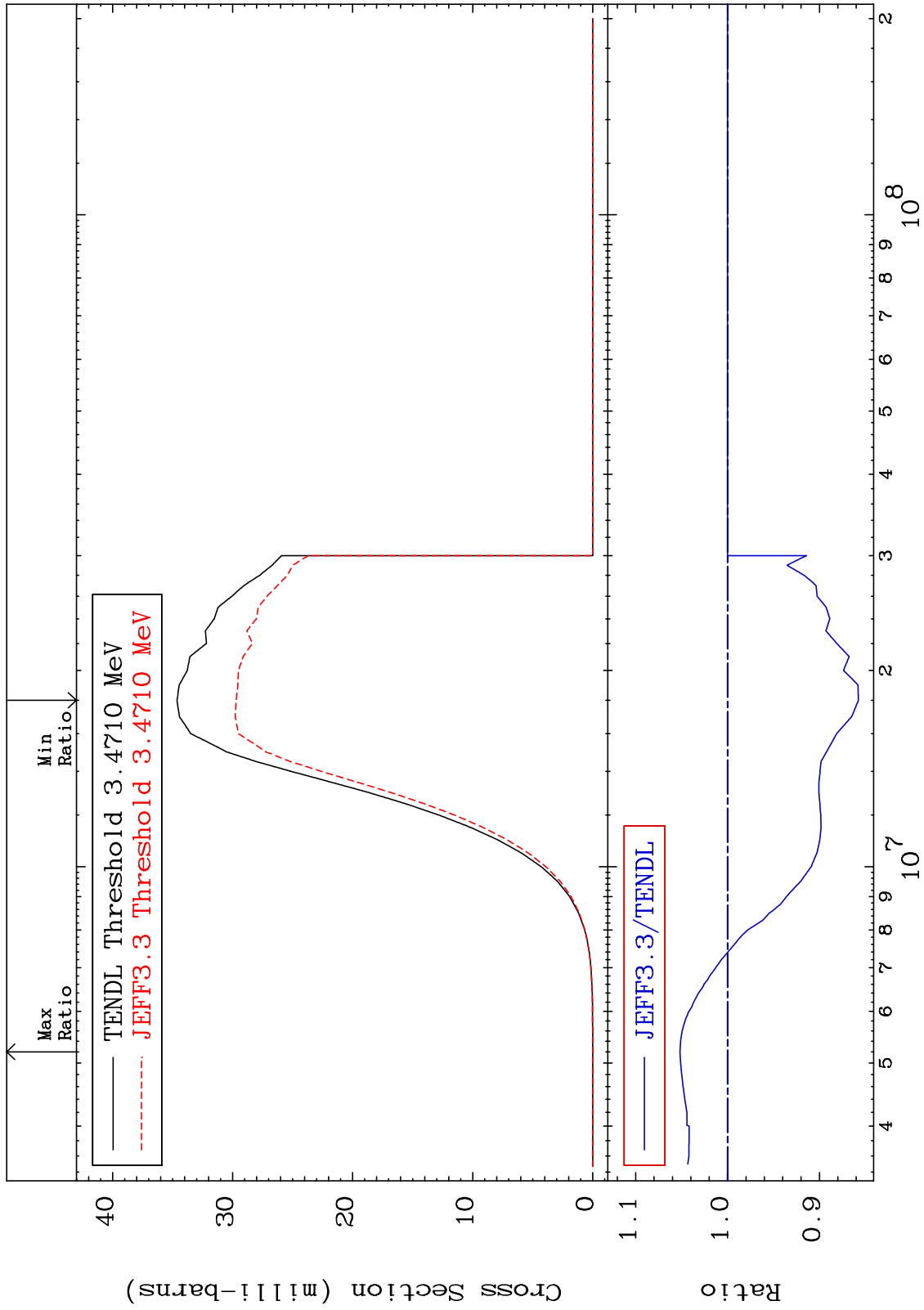


50

Incident Energy (eV)

34-Se-78

MAT 3437 (n,p) Cross Section 34-Se-78 -14.23 To 5.175 %



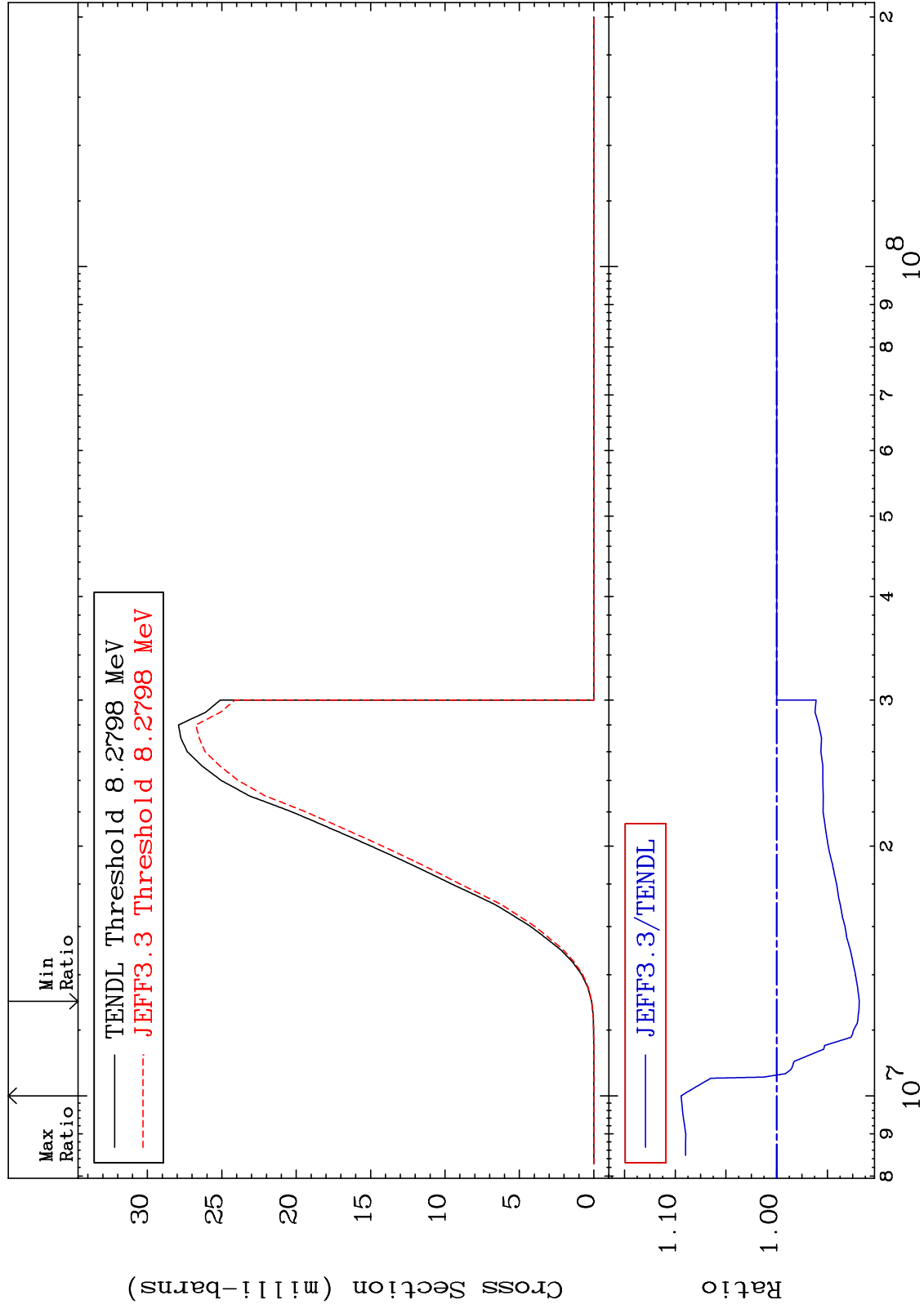
MAT 3437

(n, d)

<sup>34</sup>Se-78

Cross Section

-8.152 To 9.429 %



52

Incident Energy (eV)

<sup>34</sup>Se-78

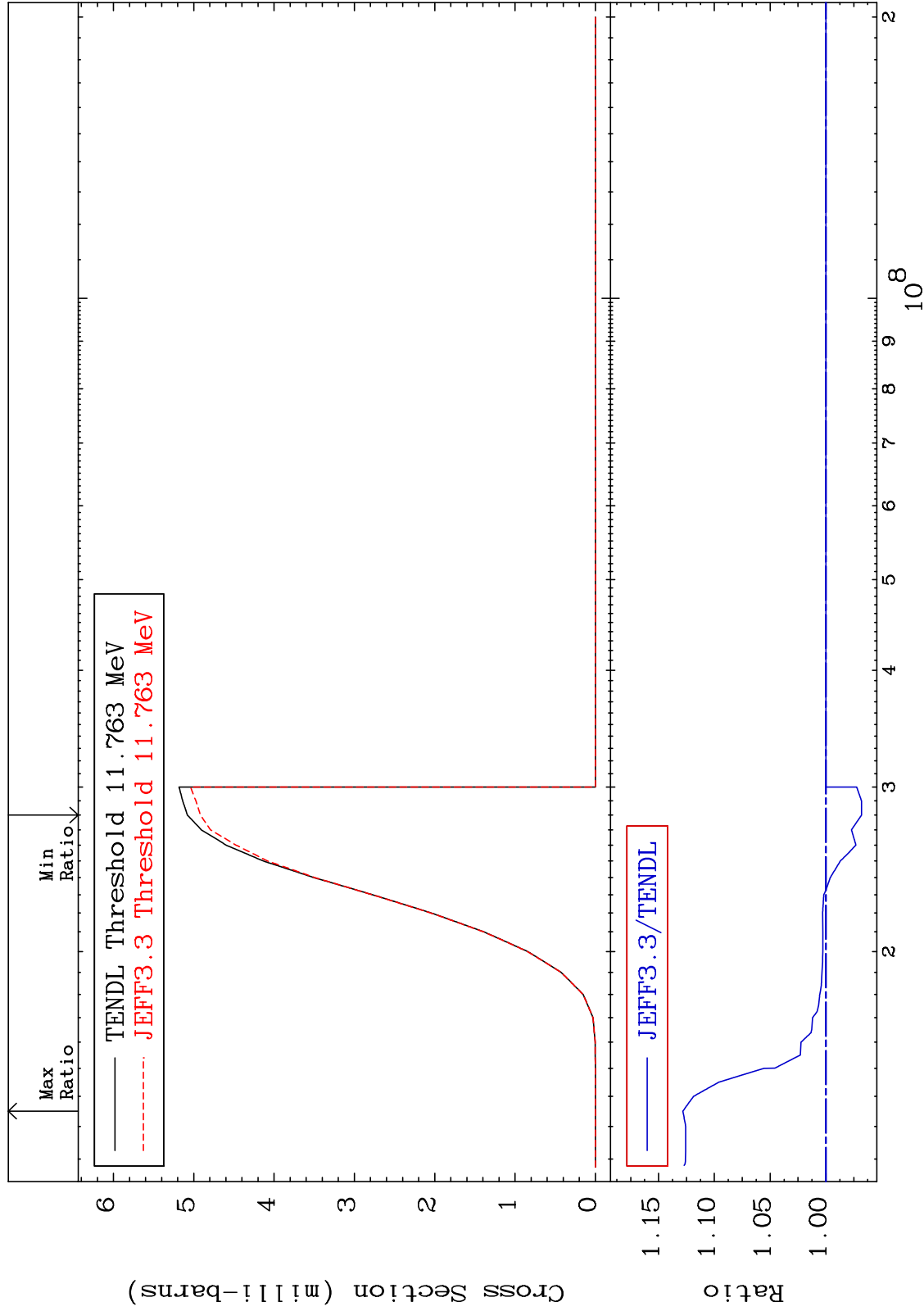
MAT 3437

(n, t)

<sup>34</sup>Se-78

Cross Section

-3.197 To 12.82 %



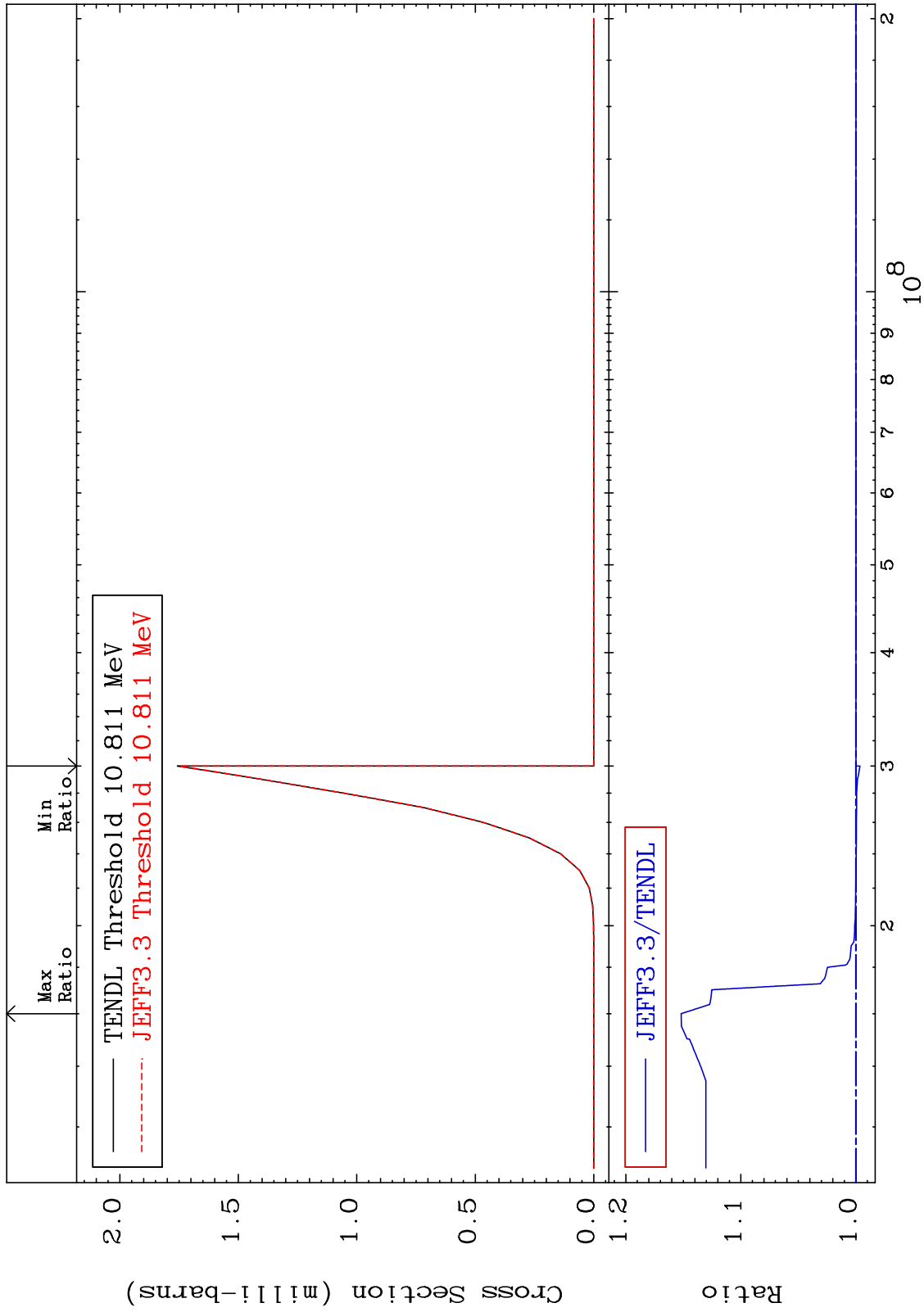
MAT 3437

(n, He-3)

<sup>34</sup>Se-78

Cross Section

-0.350 To 15.18 %



MAT 3437

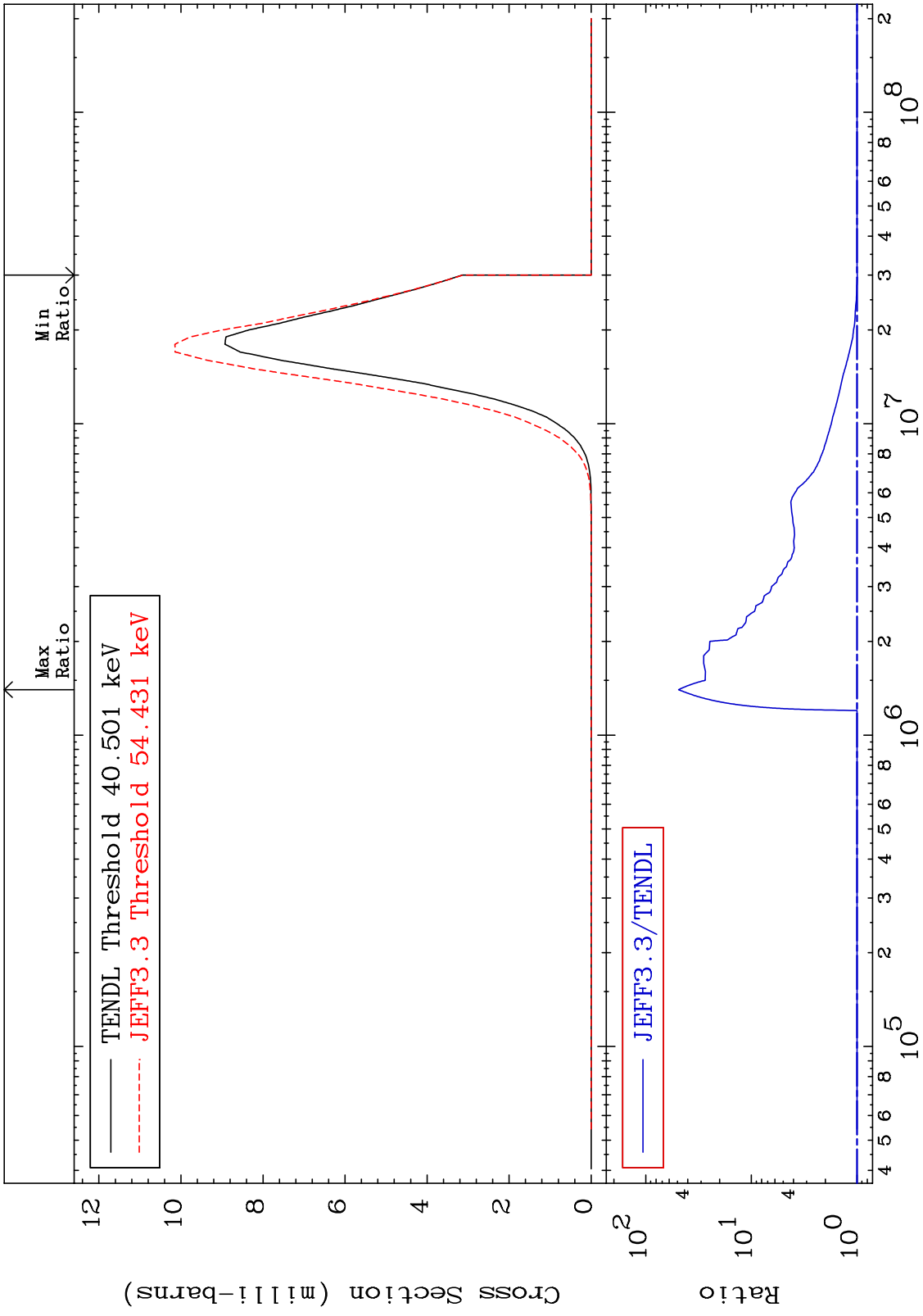
(n,  $\alpha$ )

<sup>34</sup>Se-78

Cross Section

Cross Section

-0.509 To 4785. %





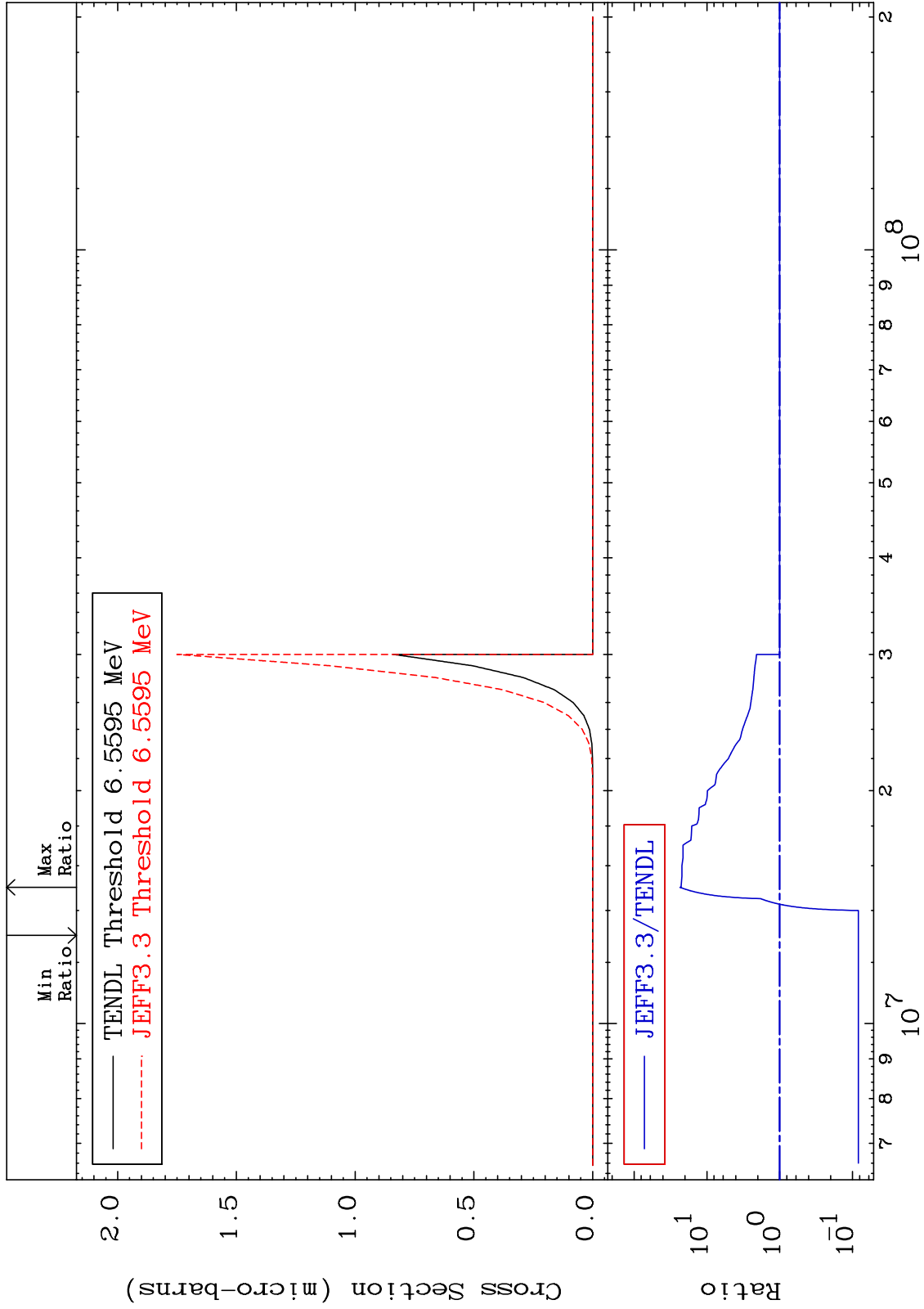
MAT 3437

(n, 2α)

<sup>34</sup>Se-78

-91.68 To 2238. %

Cross Section



56

Incident Energy (eV)

<sup>34</sup>Se-78

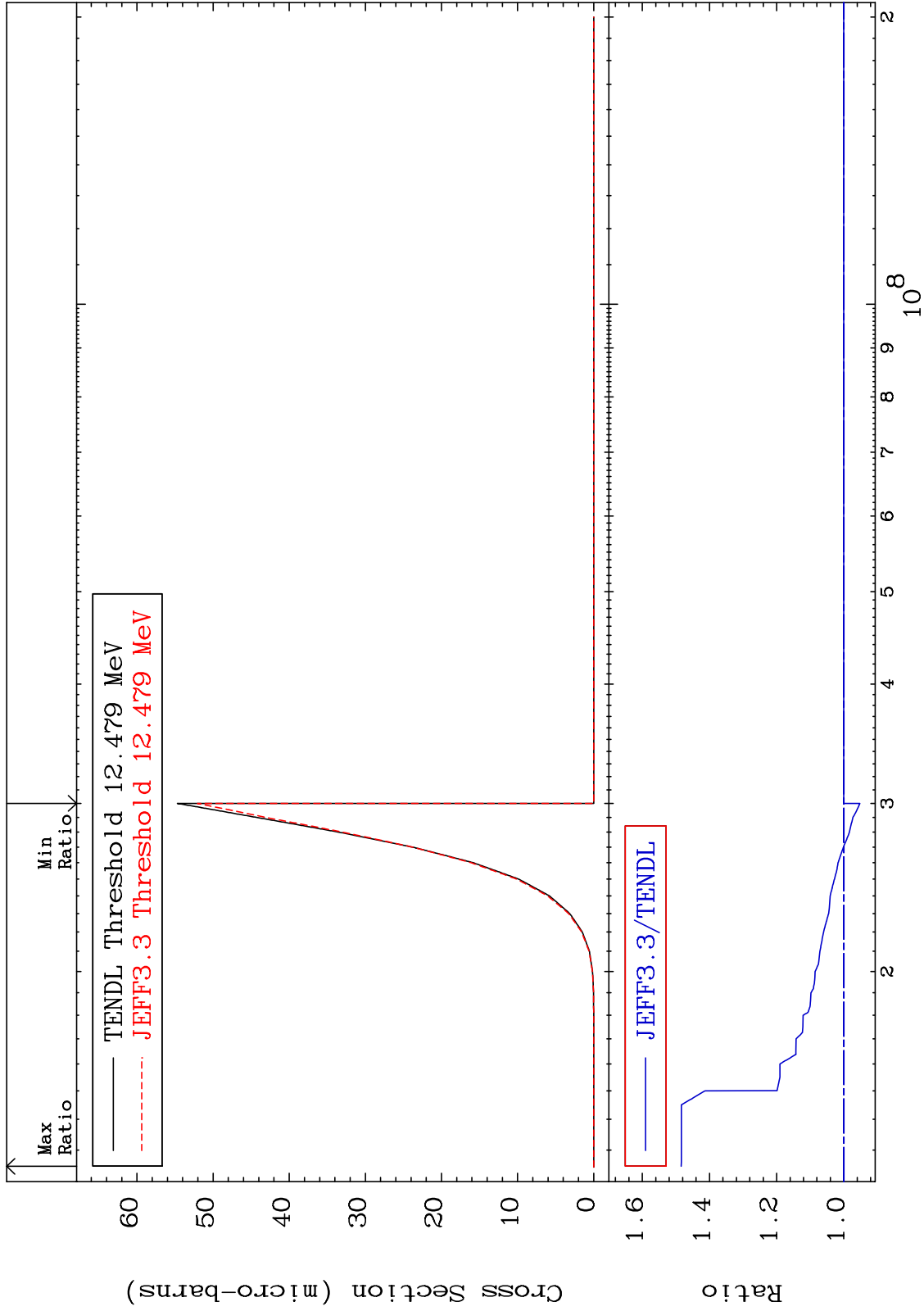
MAT 3437

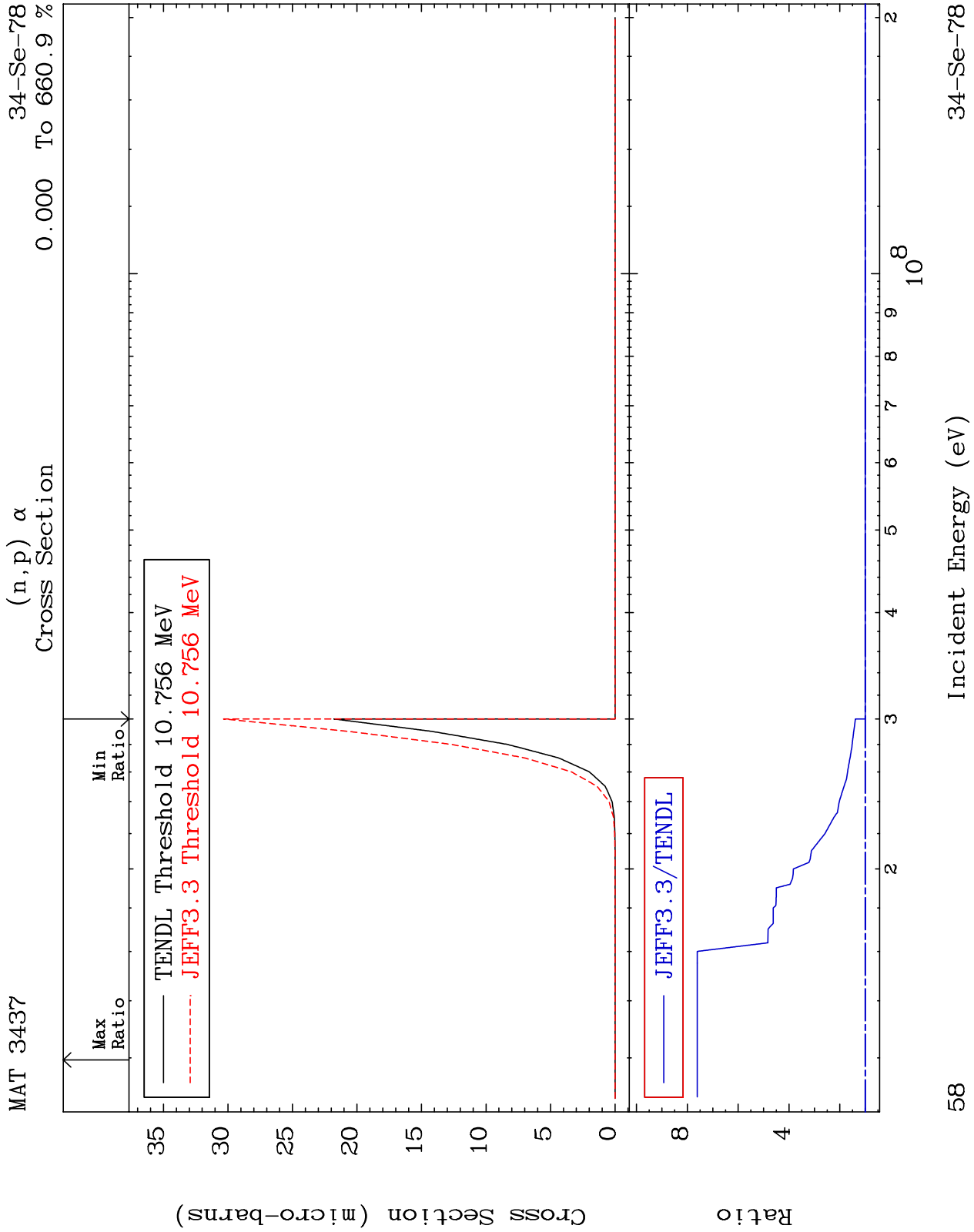
(n,2p)

<sup>34</sup>Se-78

Cross Section

-4.800 To 48.42 %





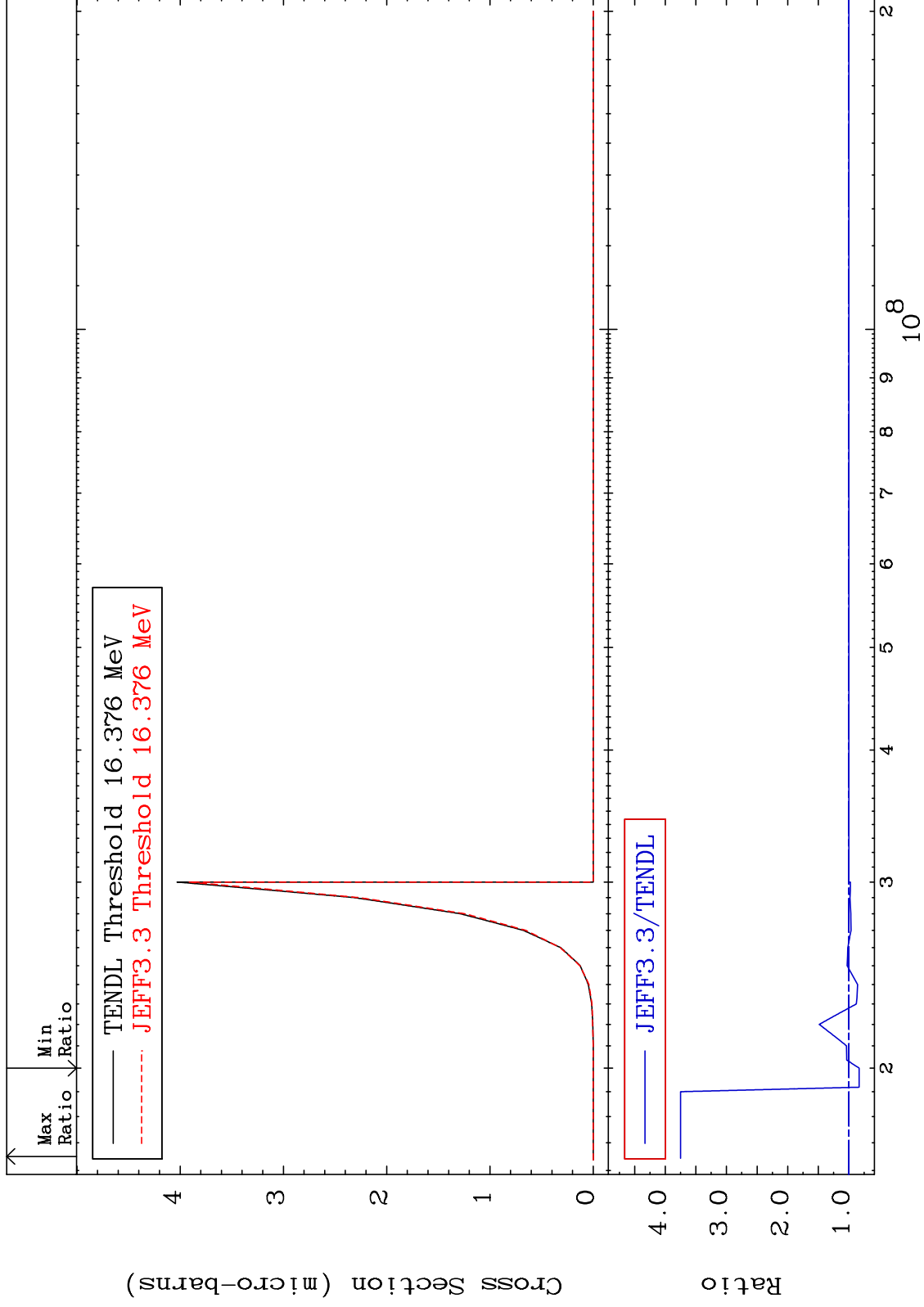
MAT 3437

(n,p) d

<sup>34</sup>Se-78

Cross Section

-16.93 To 275.0 %



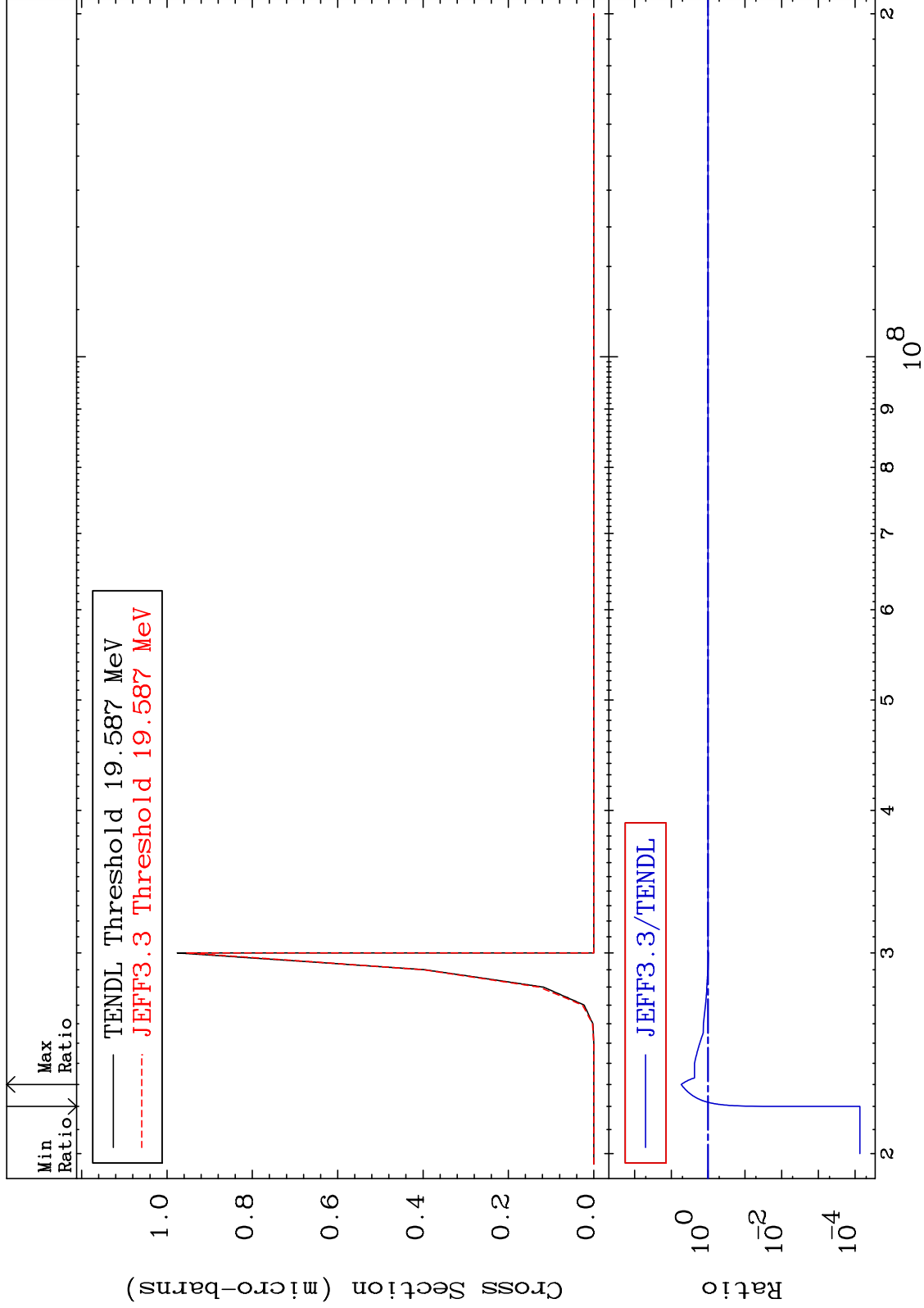
MAT 3437

(n,p) t

<sup>34</sup>Se-78

Cross Section

-99.99 To 438.6 %



60

Incident Energy (eV)

<sup>34</sup>Se-78

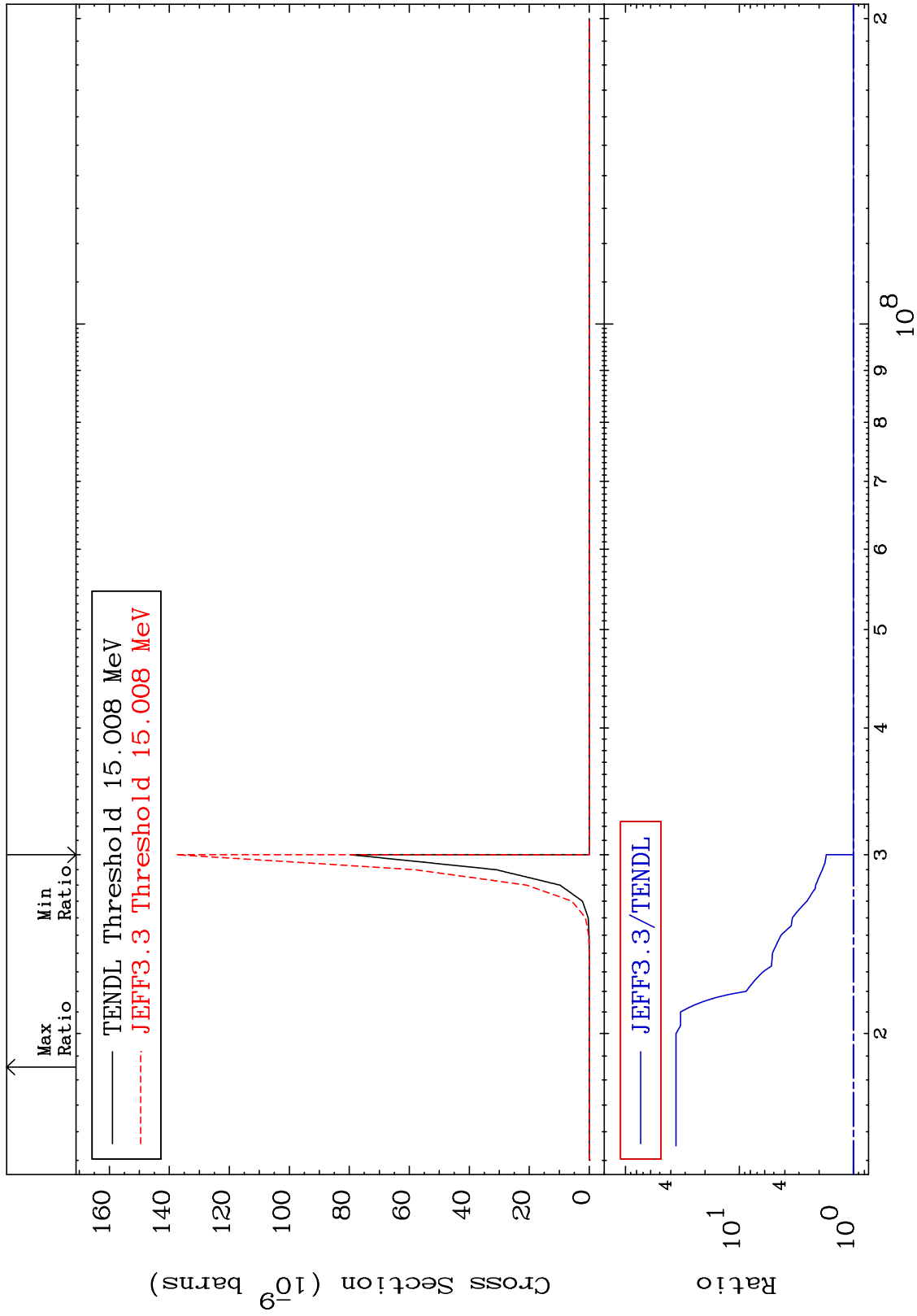
MAT 3437

(n,d)  $\alpha$

$^{34}\text{Se-78}$

Cross Section

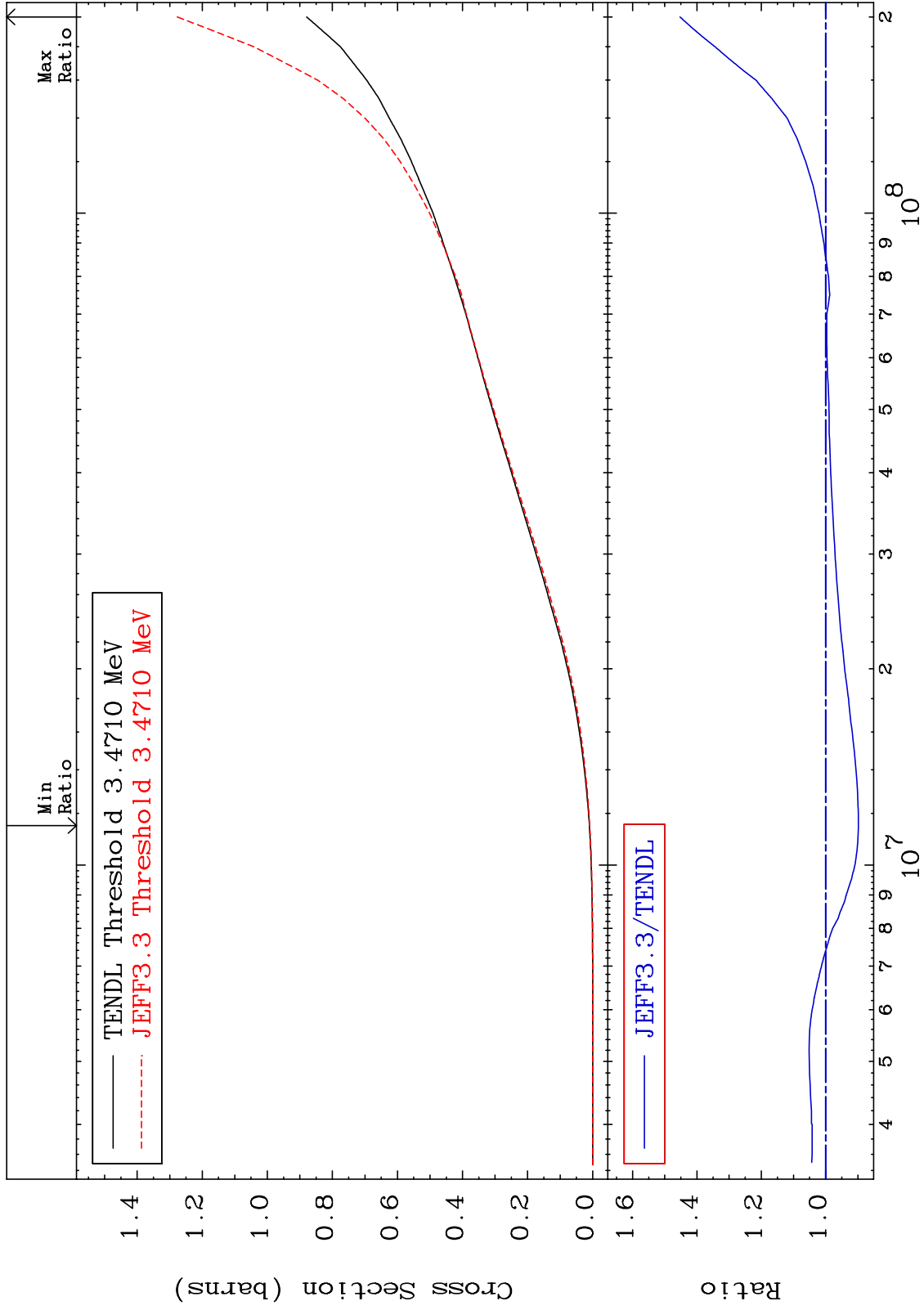
0.000 To 3495. %



MAT 3437

Hydrogen Production  
Cross Section

34-Se-78  
-10.17 To 45.26 %



62

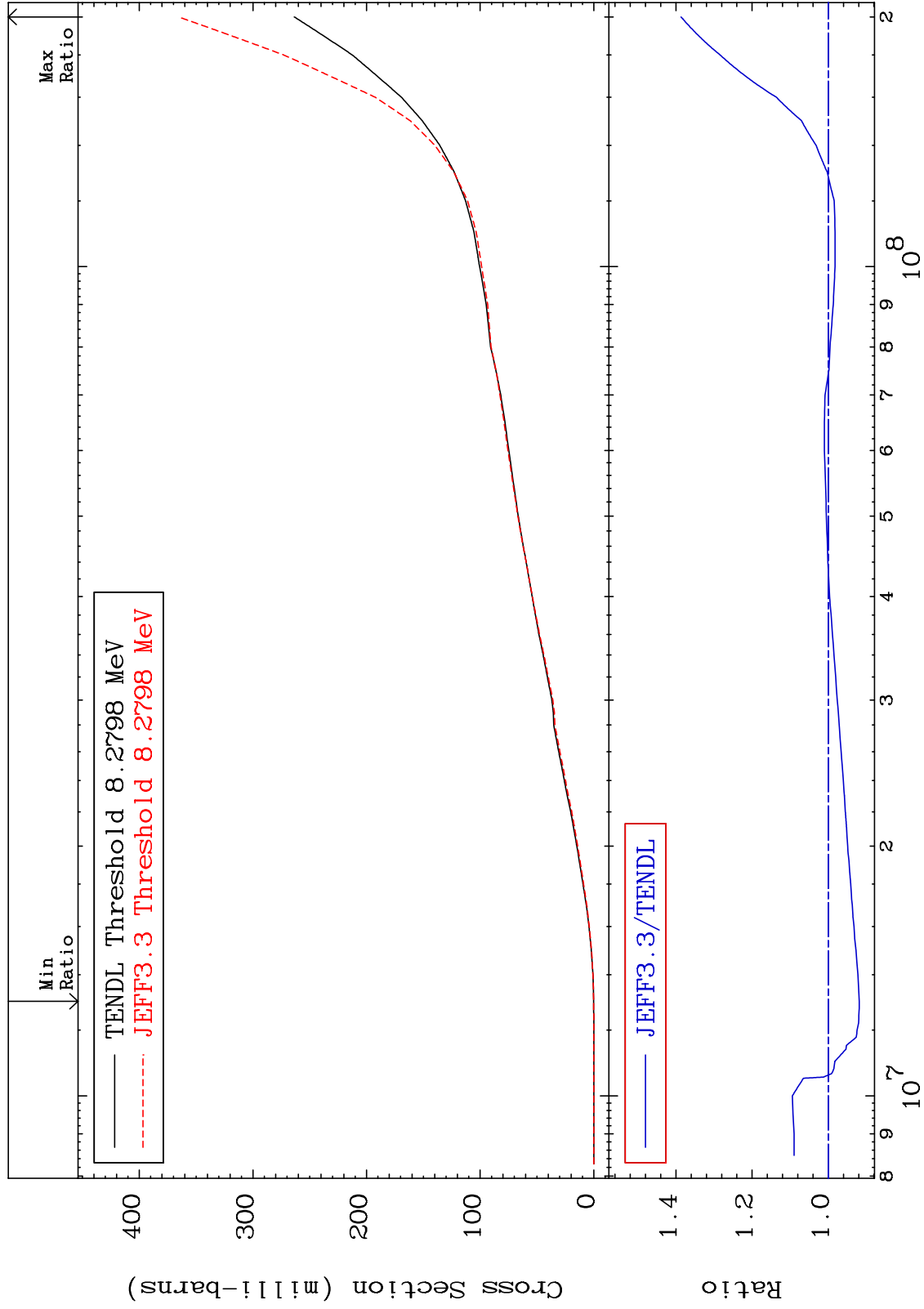
Incident Energy (eV)

34-Se-78

MAT 3437

Deuterium Production  
Cross Section

<sup>34</sup>Se-78  
-8.152 To 38.66 %



63

Incident Energy (eV)

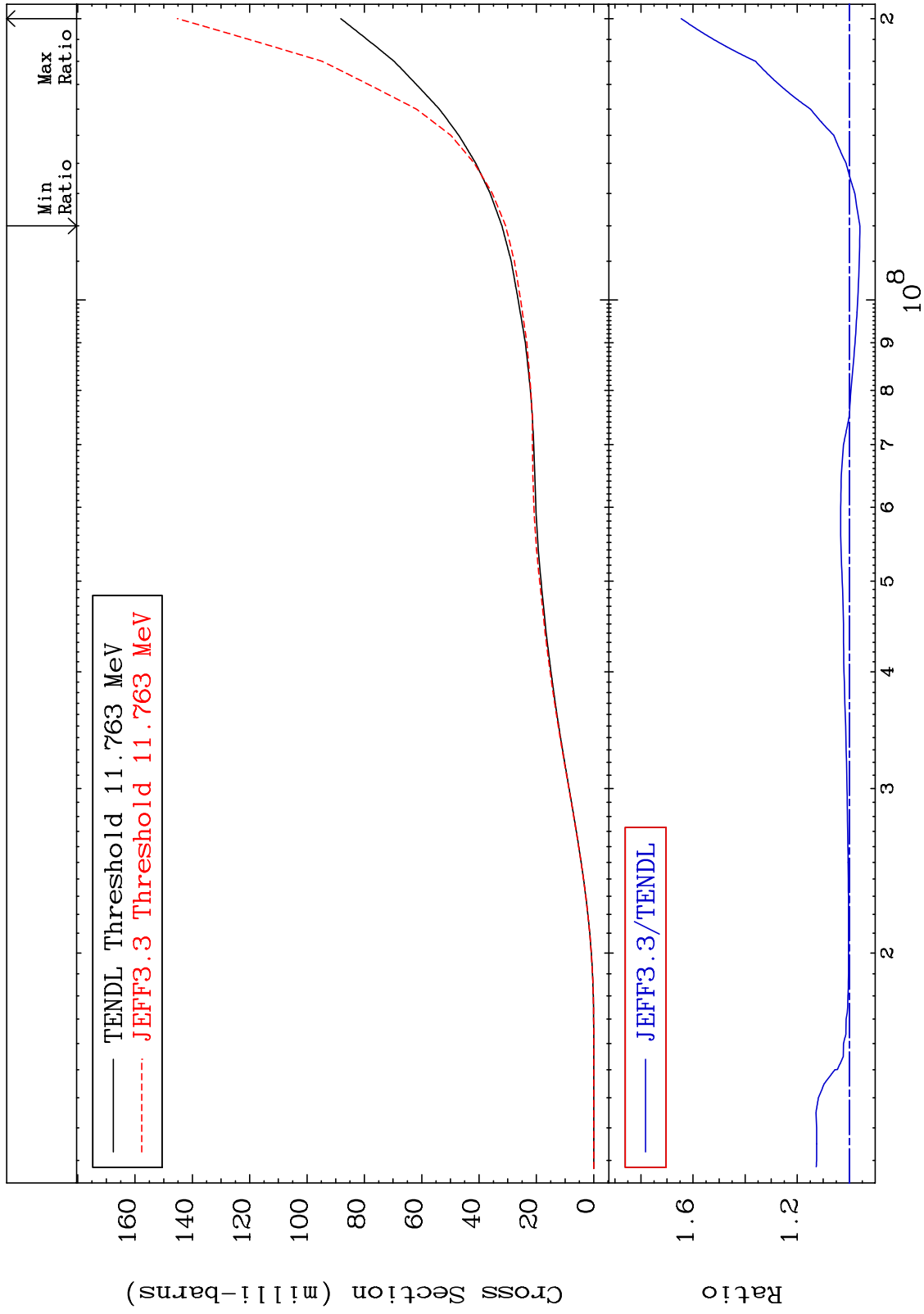
<sup>34</sup>Se-78



MAT 3437

Tritium Production  
Cross Section

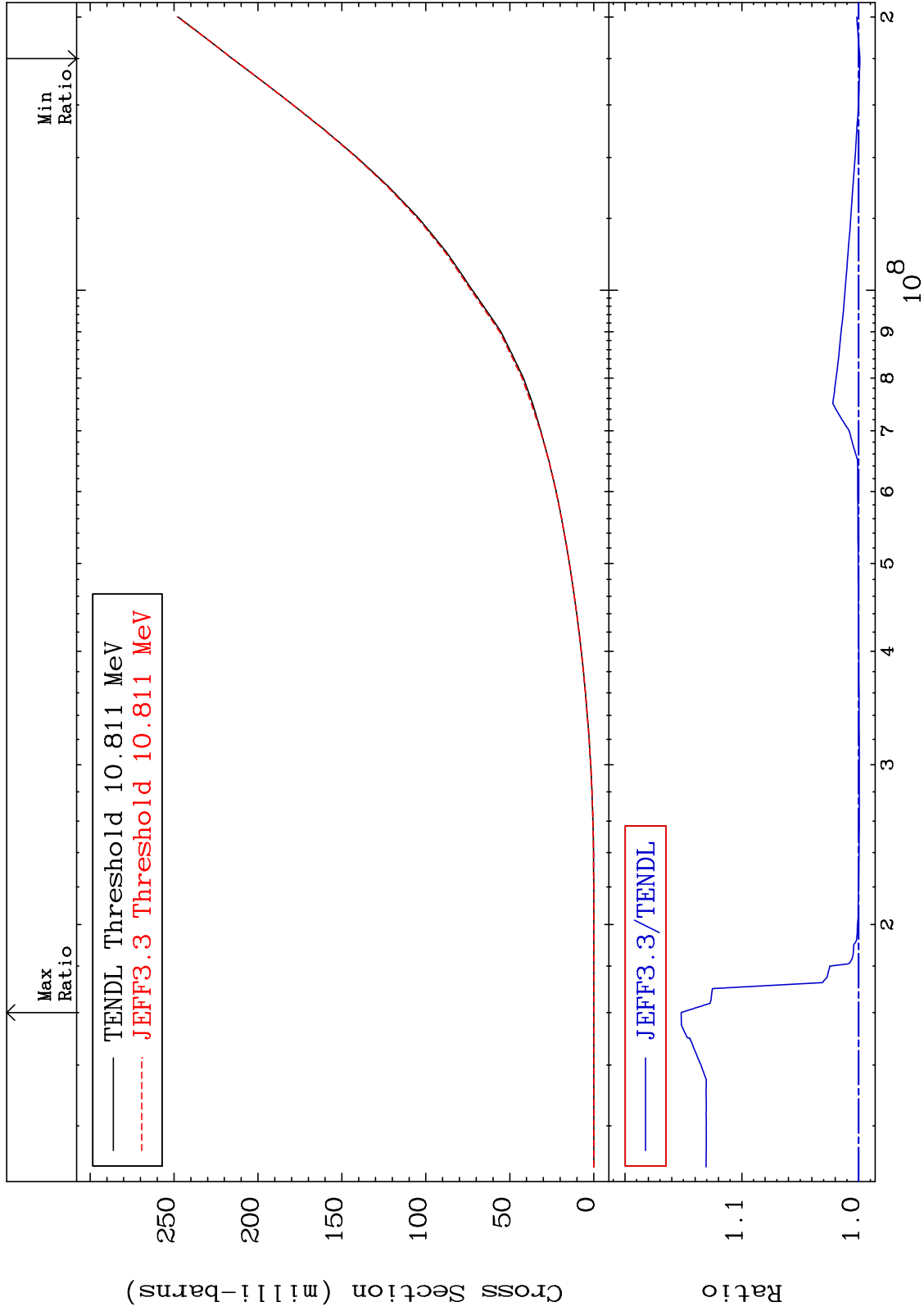
34-Se-78  
-4.074 To 64.54 %



MAT 3437

He-3 Production  
Cross Section

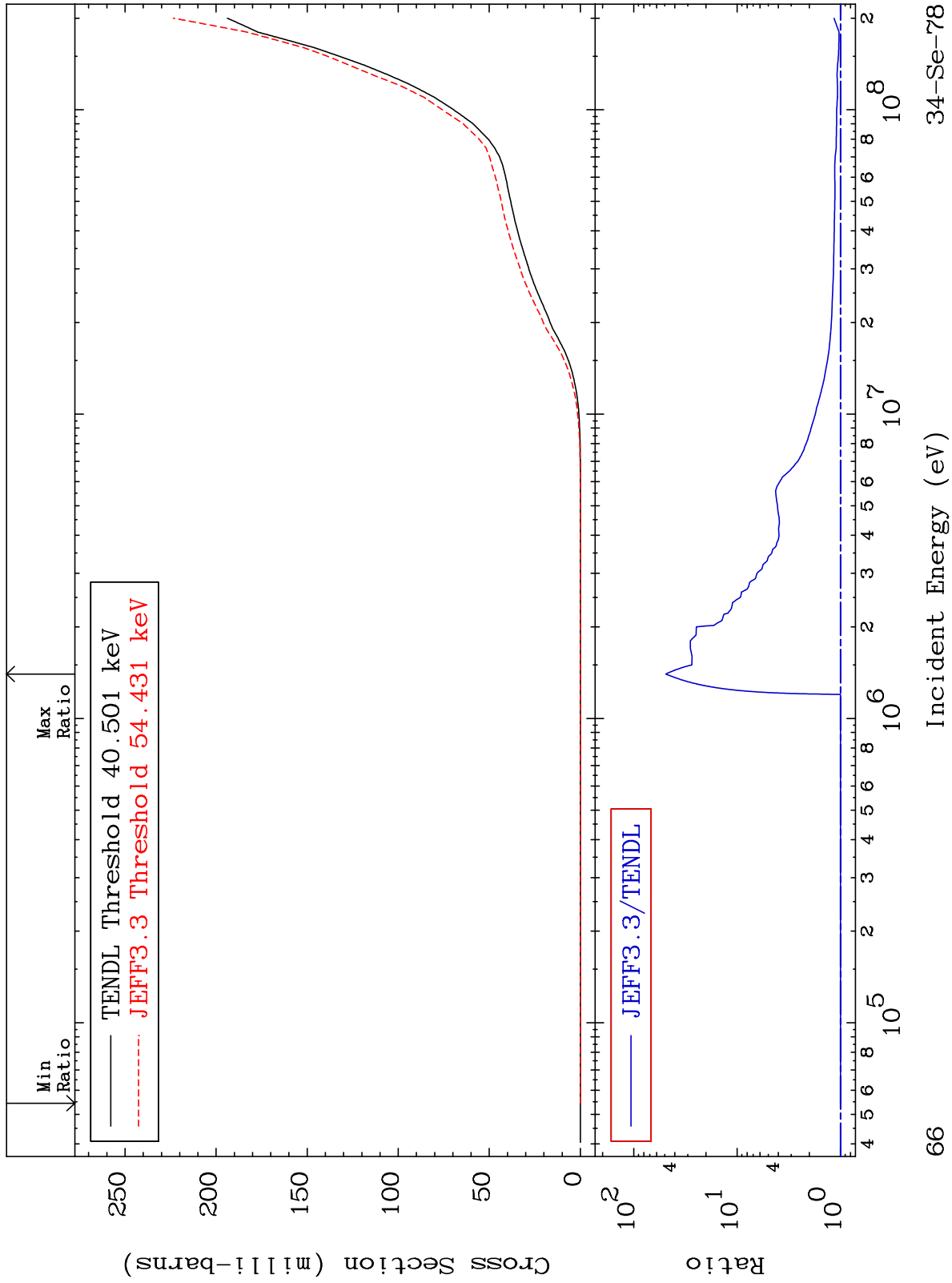
$^{34}\text{Se-78}$   
-0.109 To 15.18 %



MAT 3437

He-4 Production  
Cross Section

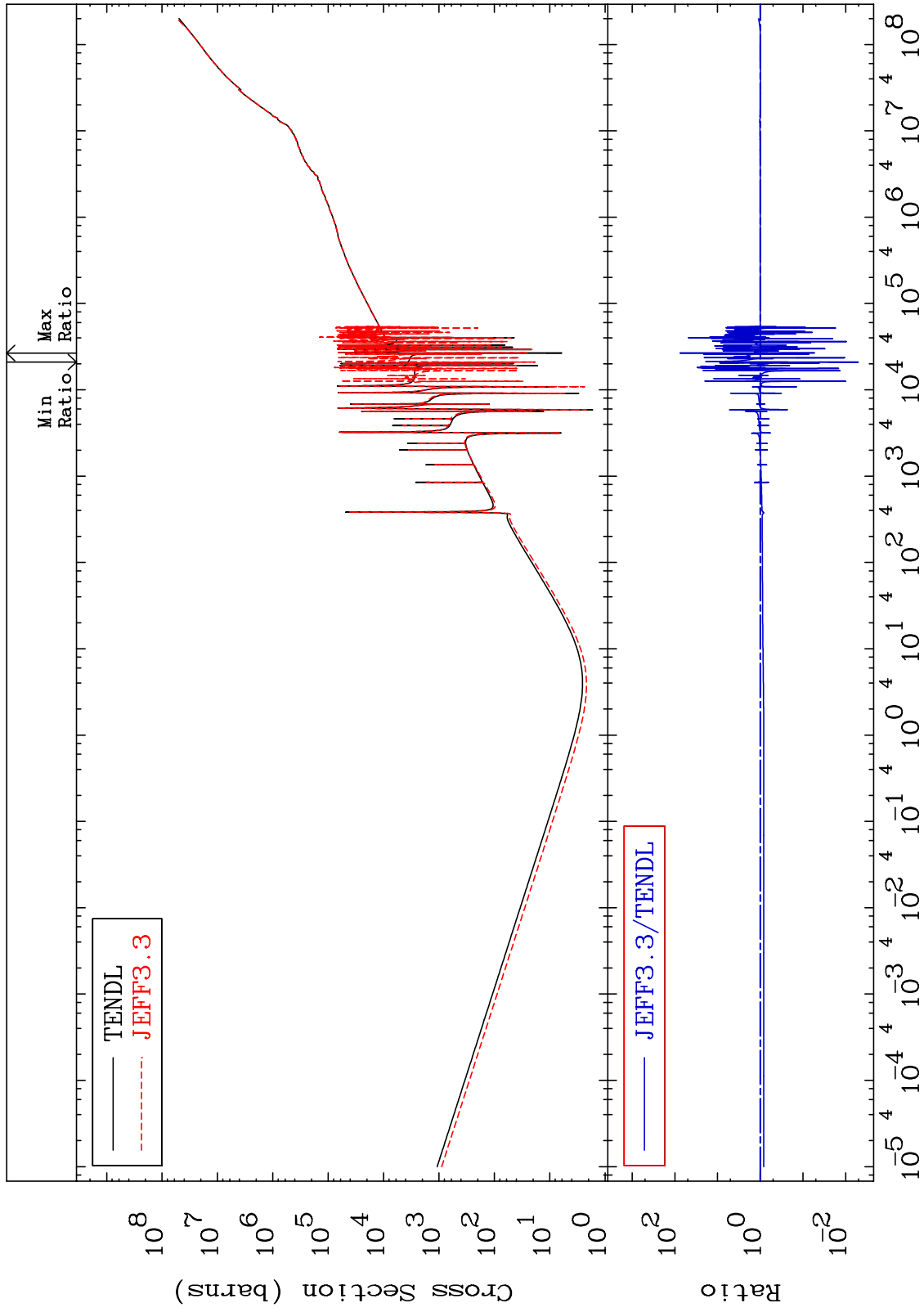
34-Se-78  
0.000 To 4785. %



MAT 3437

Kerma total (eV-barns)  
Cross Section

34-Se-78  
-99.49 To 7466. %



67

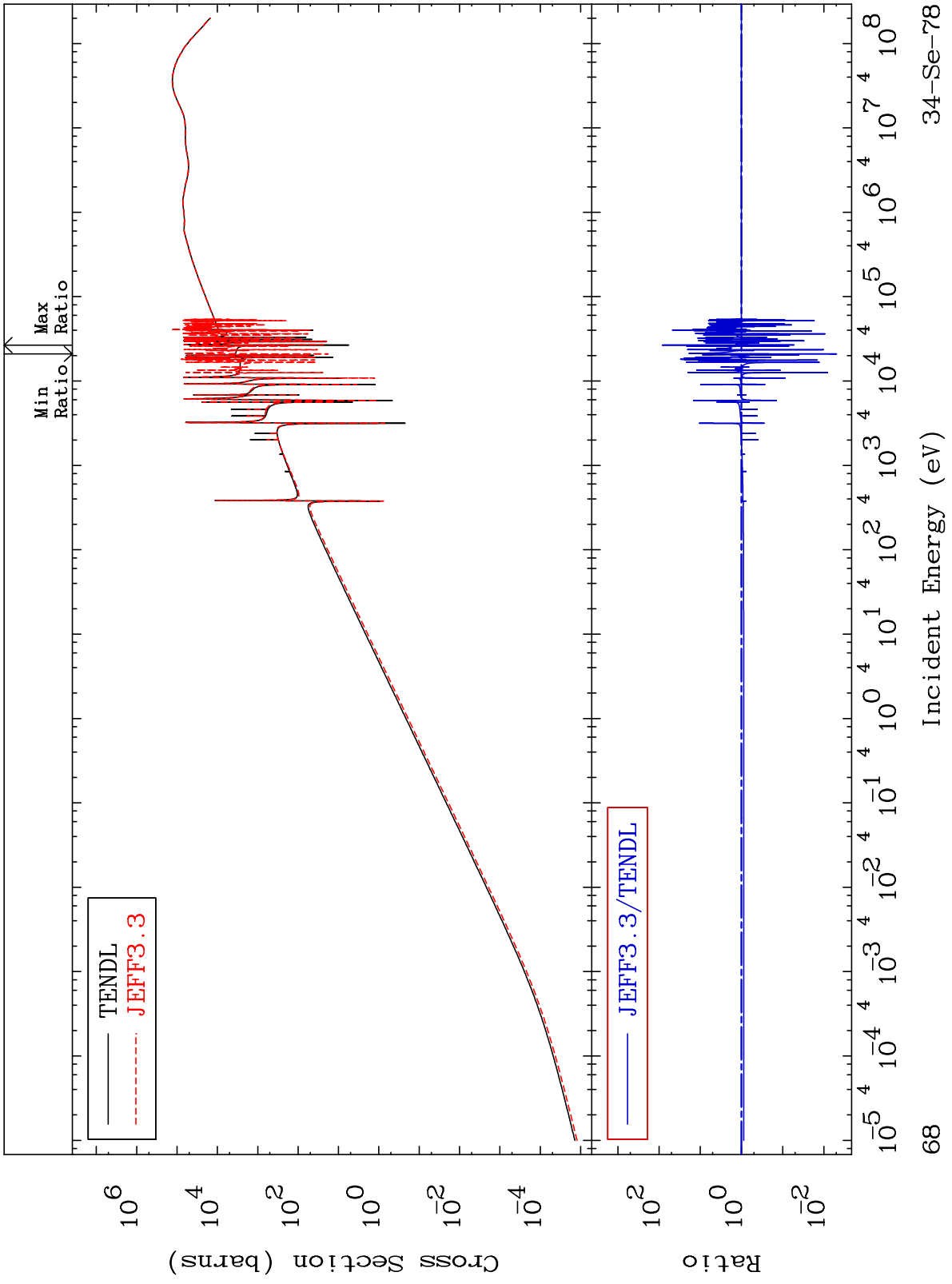
Incident Energy (eV)

34-Se-78

MAT 3437

Kerma elastic  
Cross Section

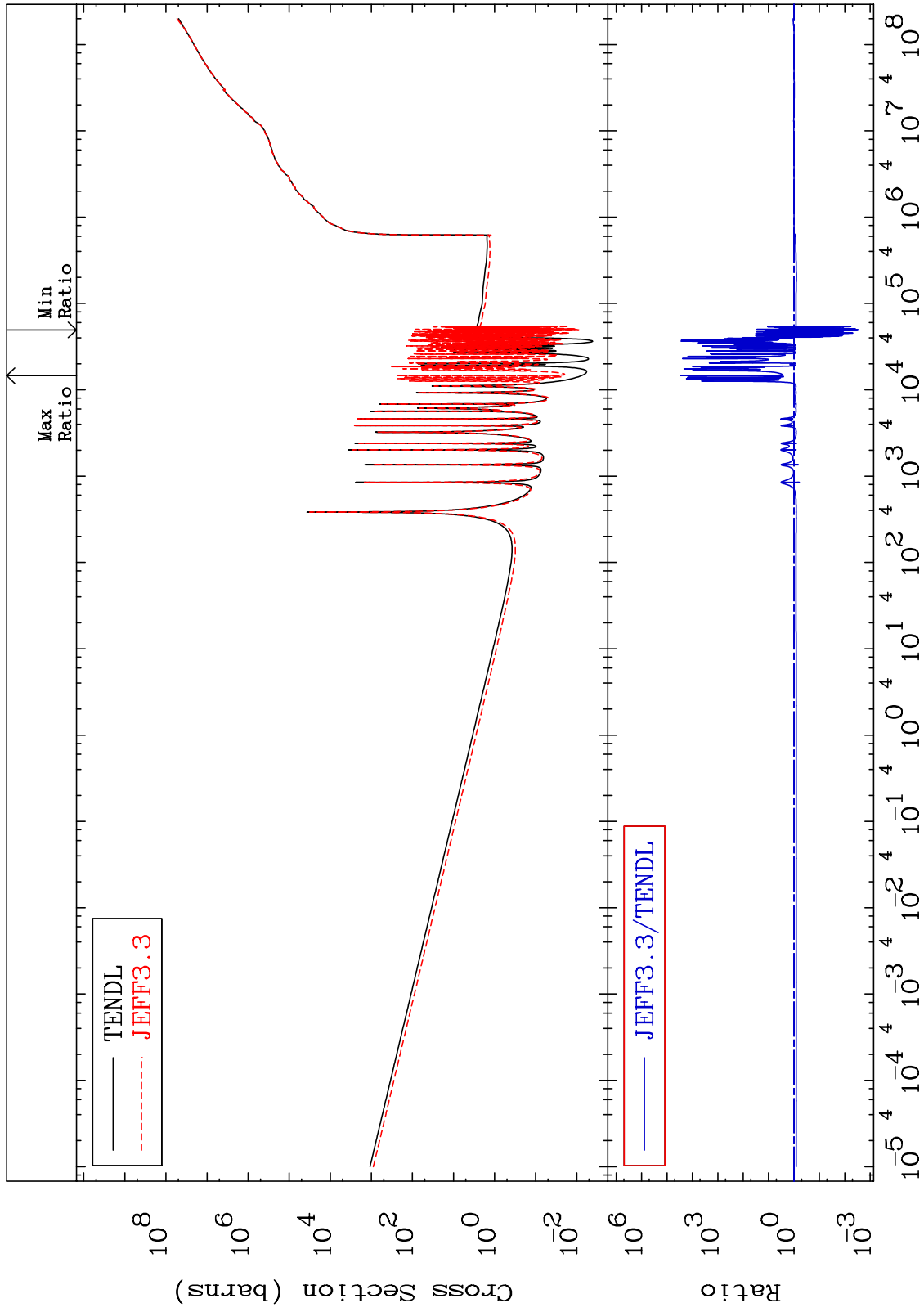
34-Se-78  
-99.51 To 8228. %



MAT 3437

Kerma non-elastic (all but mt2)  
Cross Section

34-Se-78  
-99.71 To 9999. %



69

Incident Energy (eV)

34-Se-78

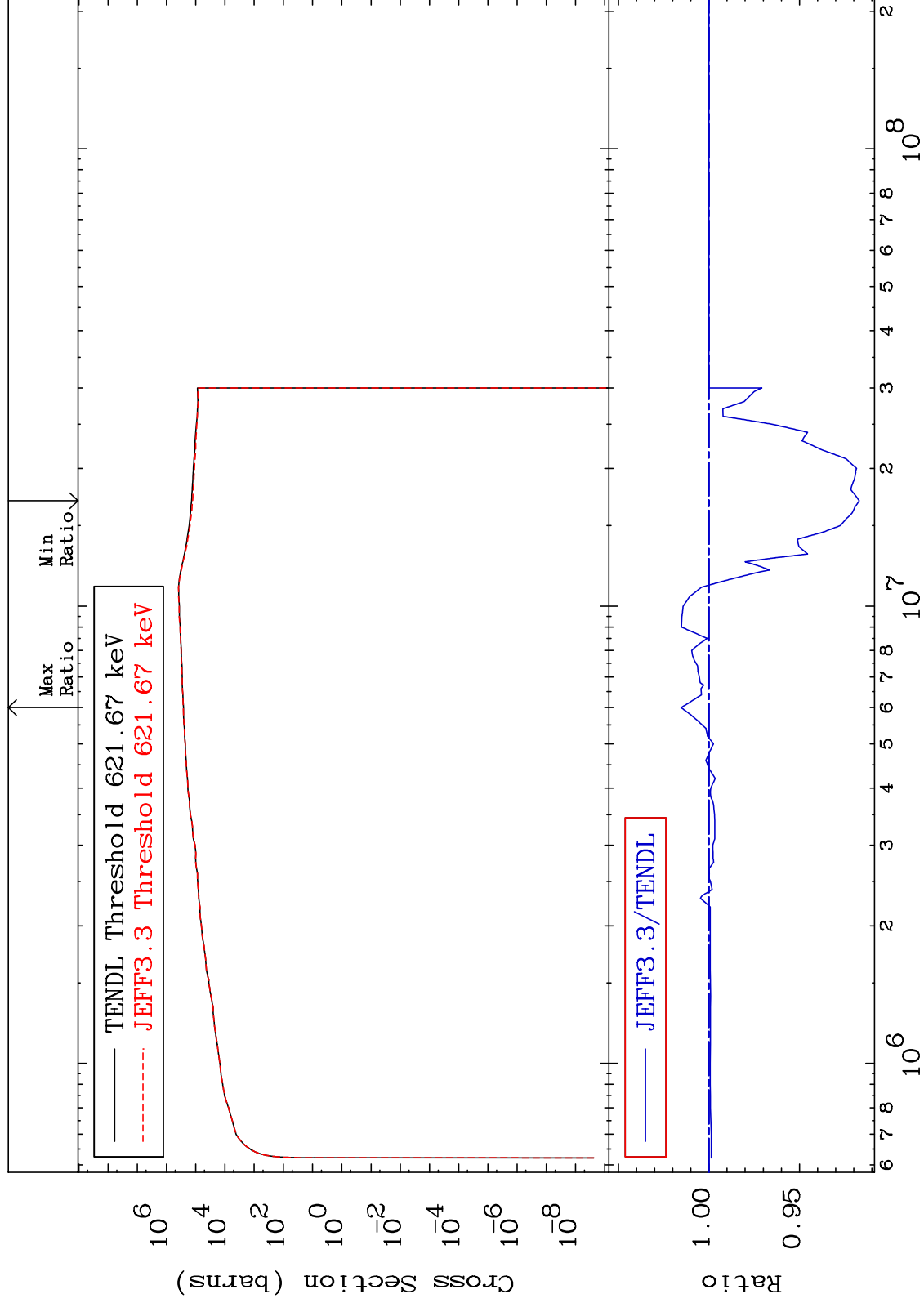
MAT 3437

Kerma inelastic (mt51-91)

<sup>34</sup>Se-78

-8.301 To 1.538 %

Cross Section



70

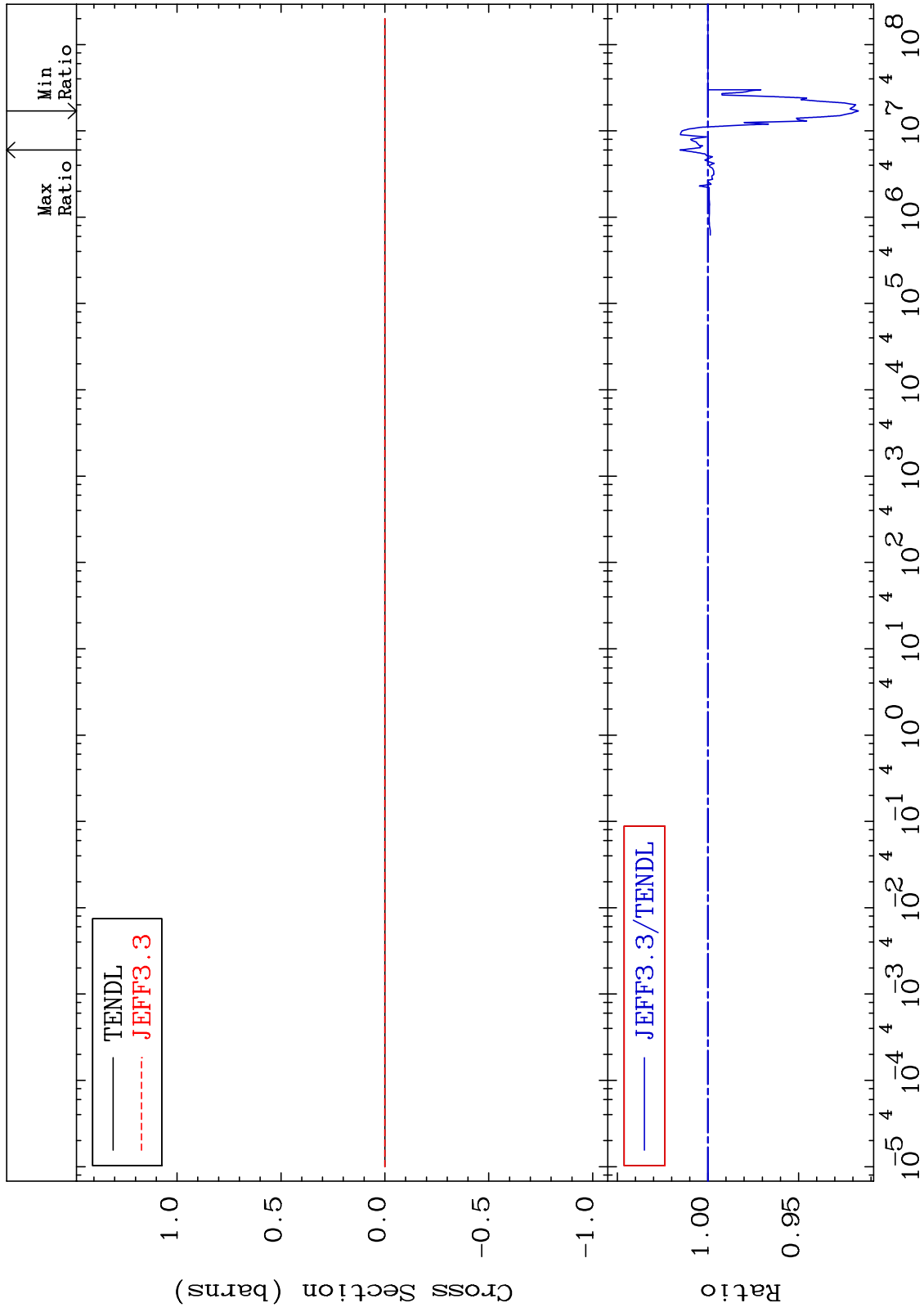
Incident Energy (eV)

<sup>34</sup>Se-78

MAT 3437

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

34-Se-78  
-8.301 To 1.538 %



71

Incident Energy (eV)

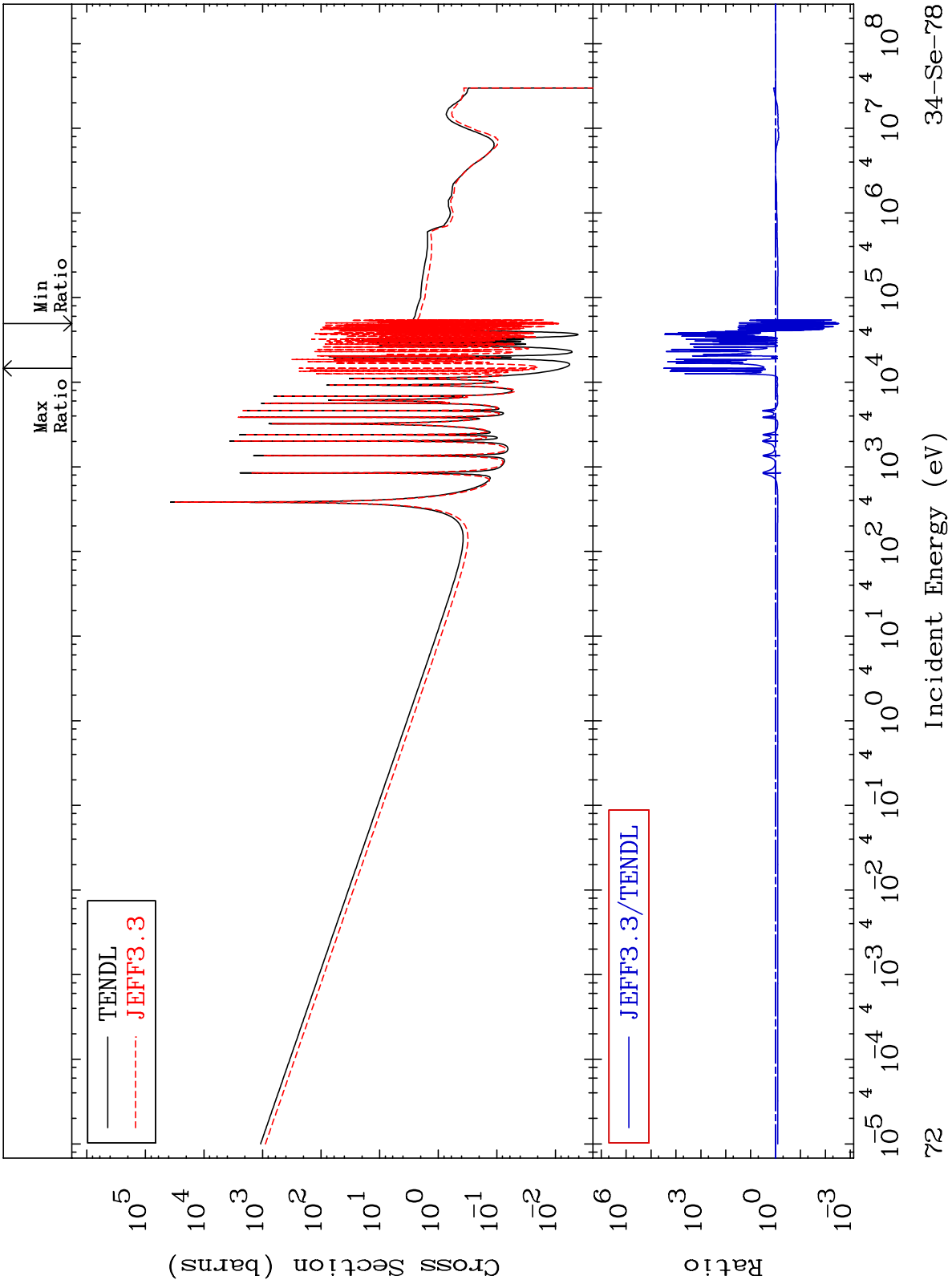
34-Se-78



MAT 3437

Kerma capture (mt102)  
Cross Section

34-Se-78  
-99.71 To 9999. %



72

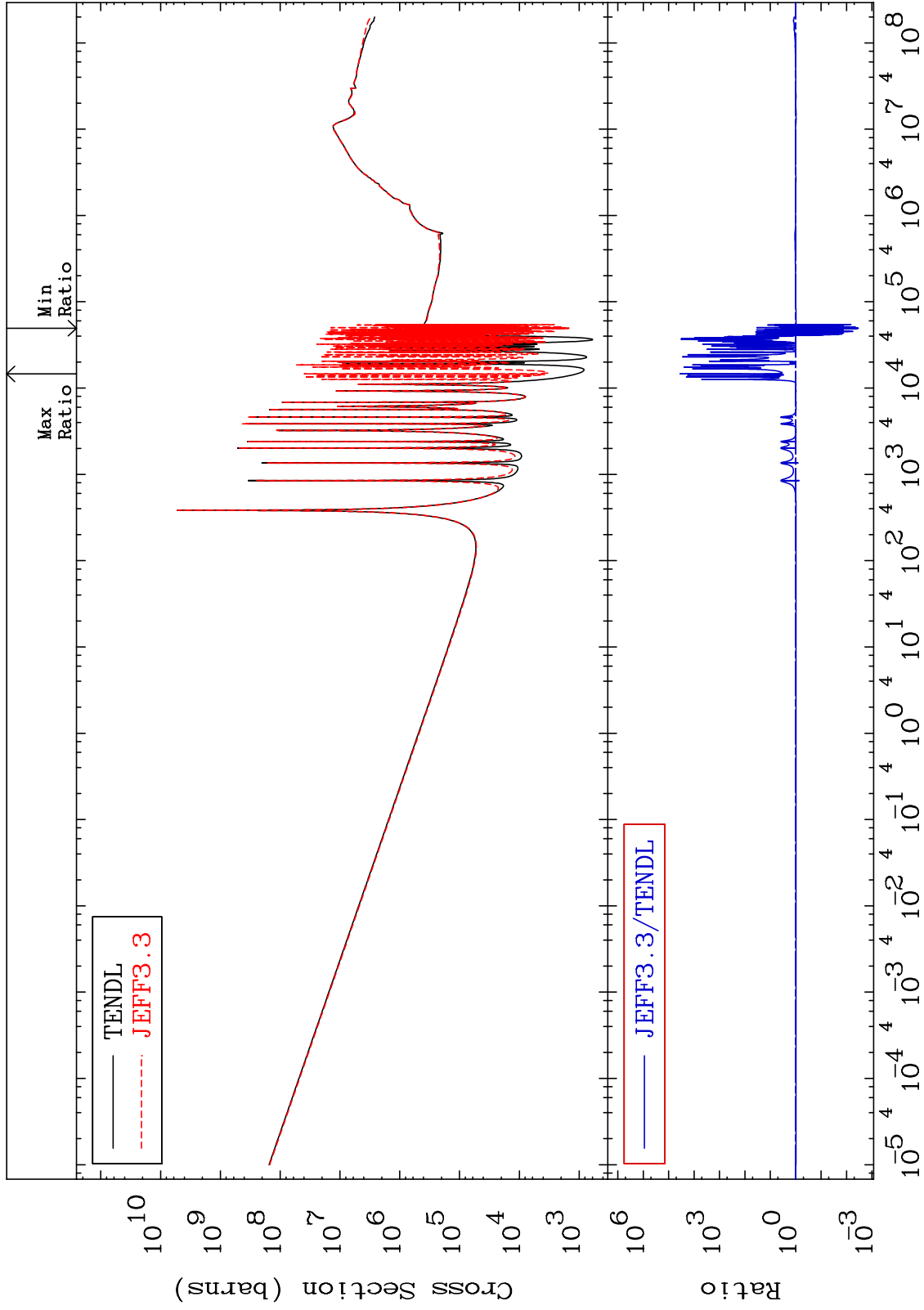
Incident Energy (eV)

34-Se-78

MAT 3437

Total photon (eV-barns)  
Cross Section

34-Se-78  
-99.66 To 9999. %



73

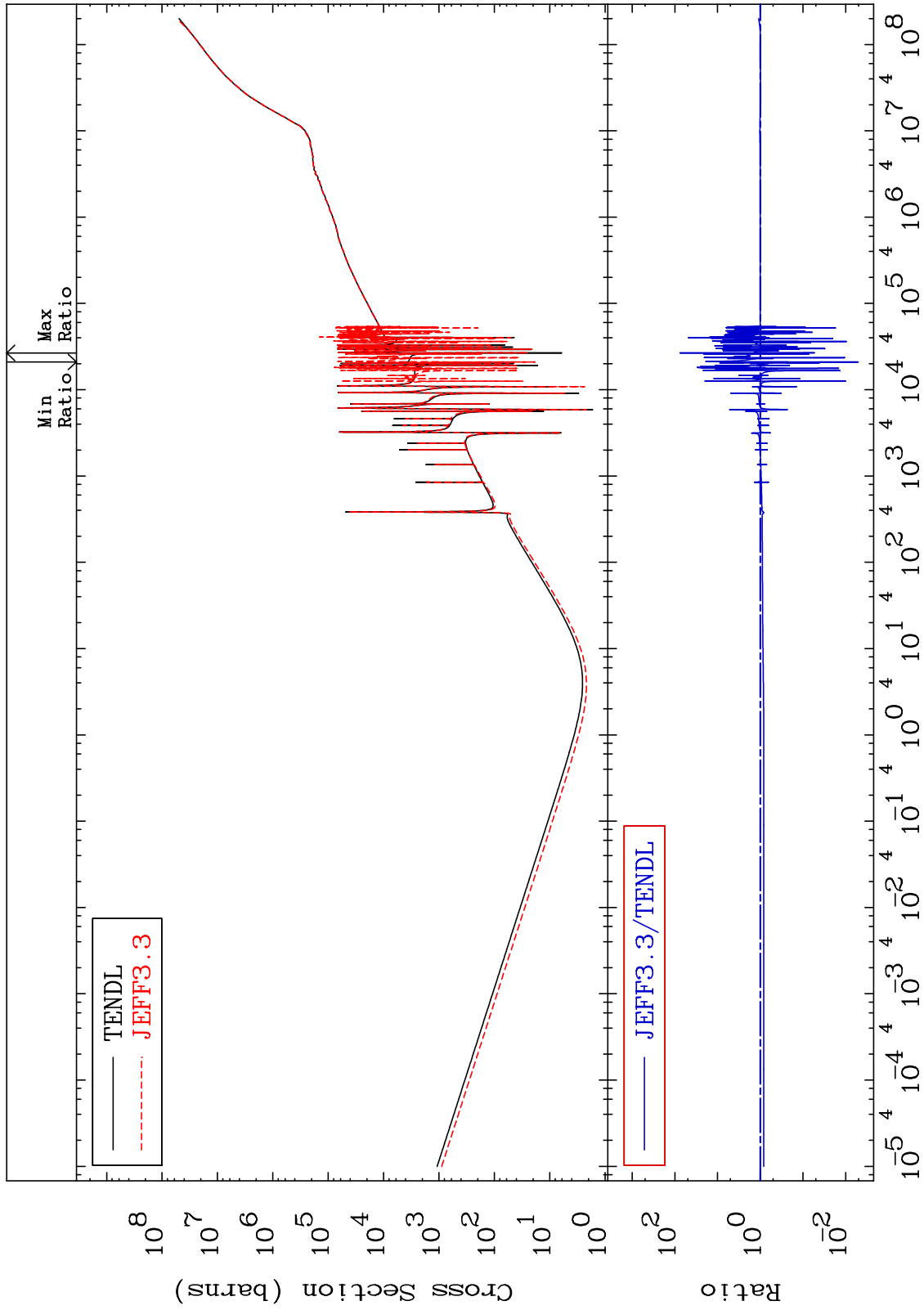
Incident Energy (eV)

34-Se-78

MAT 3437

Total kinematic kerma (high limit)  
Cross Section

34-Se-78  
-99.49 To 7466. %



74

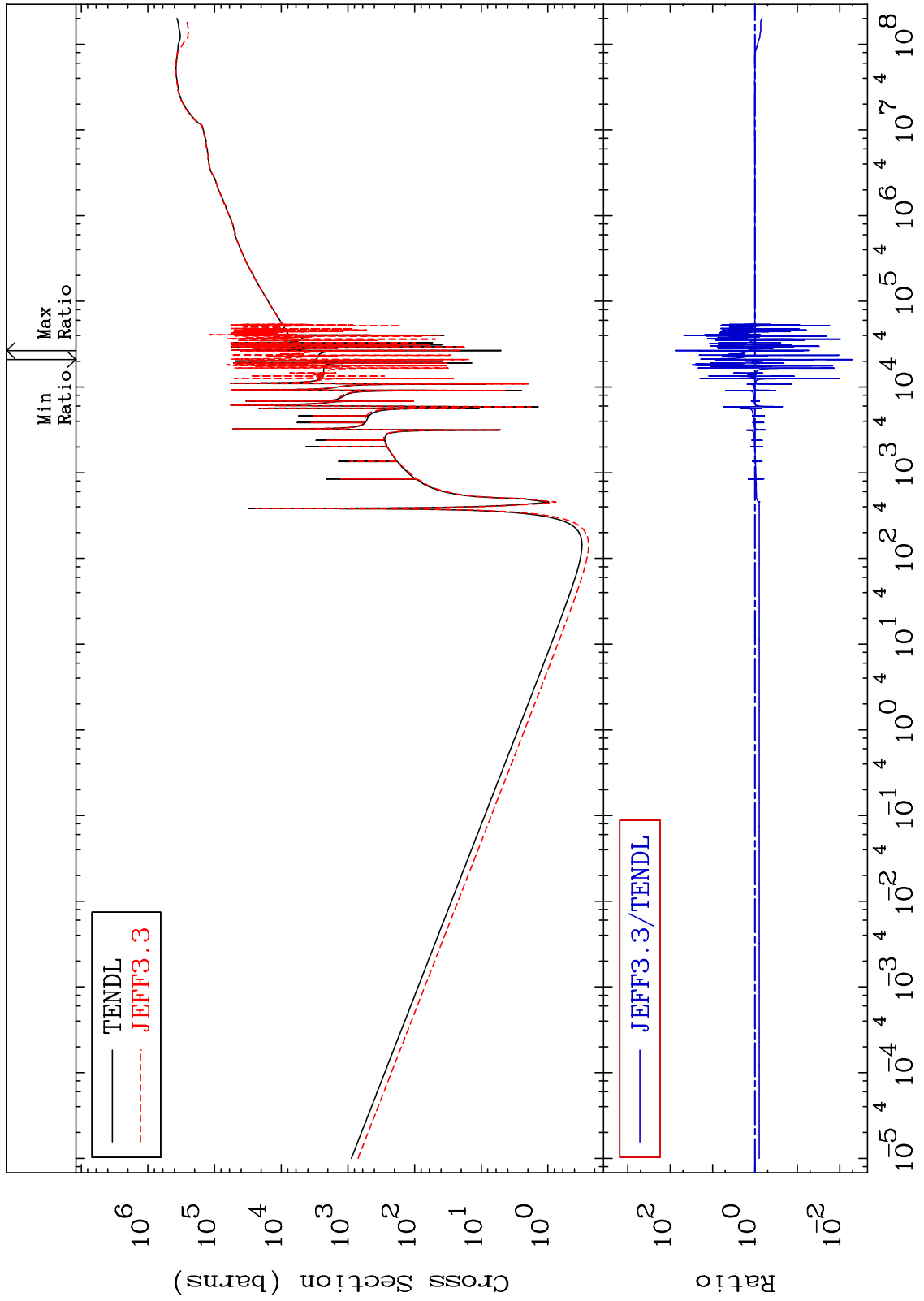
Incident Energy (eV)

34-Se-78

MAT 3437

Dpa total (eV-barns)  
Cross Section

34-Se-78  
-99.50 To 7475. %



75

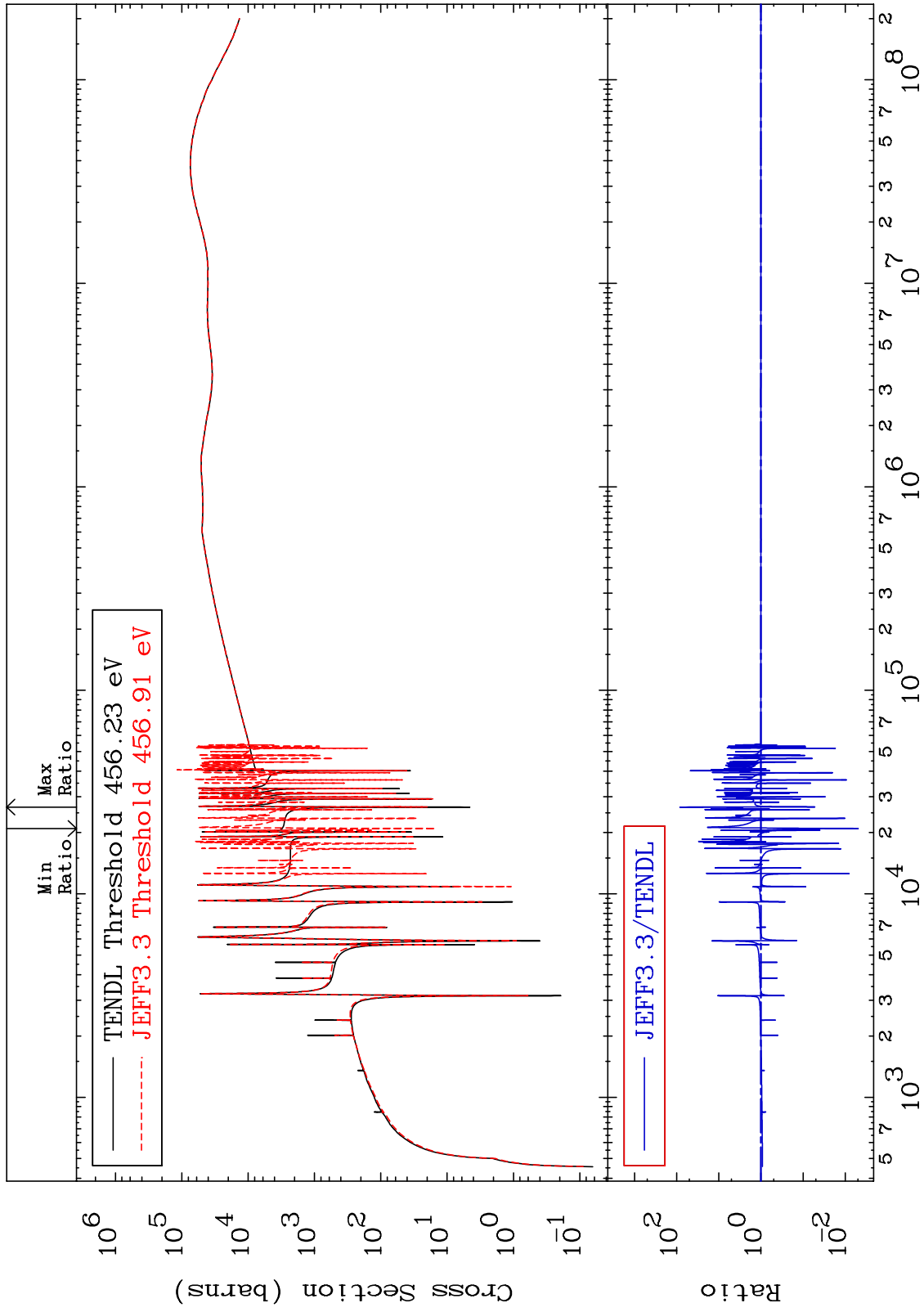
Incident Energy (eV)

34-Se-78

MAT 3437

Dpa elastic (mt2)  
Cross Section

34-Se-78  
-99.51 To 8228. %



76

Incident Energy (eV)

34-Se-78

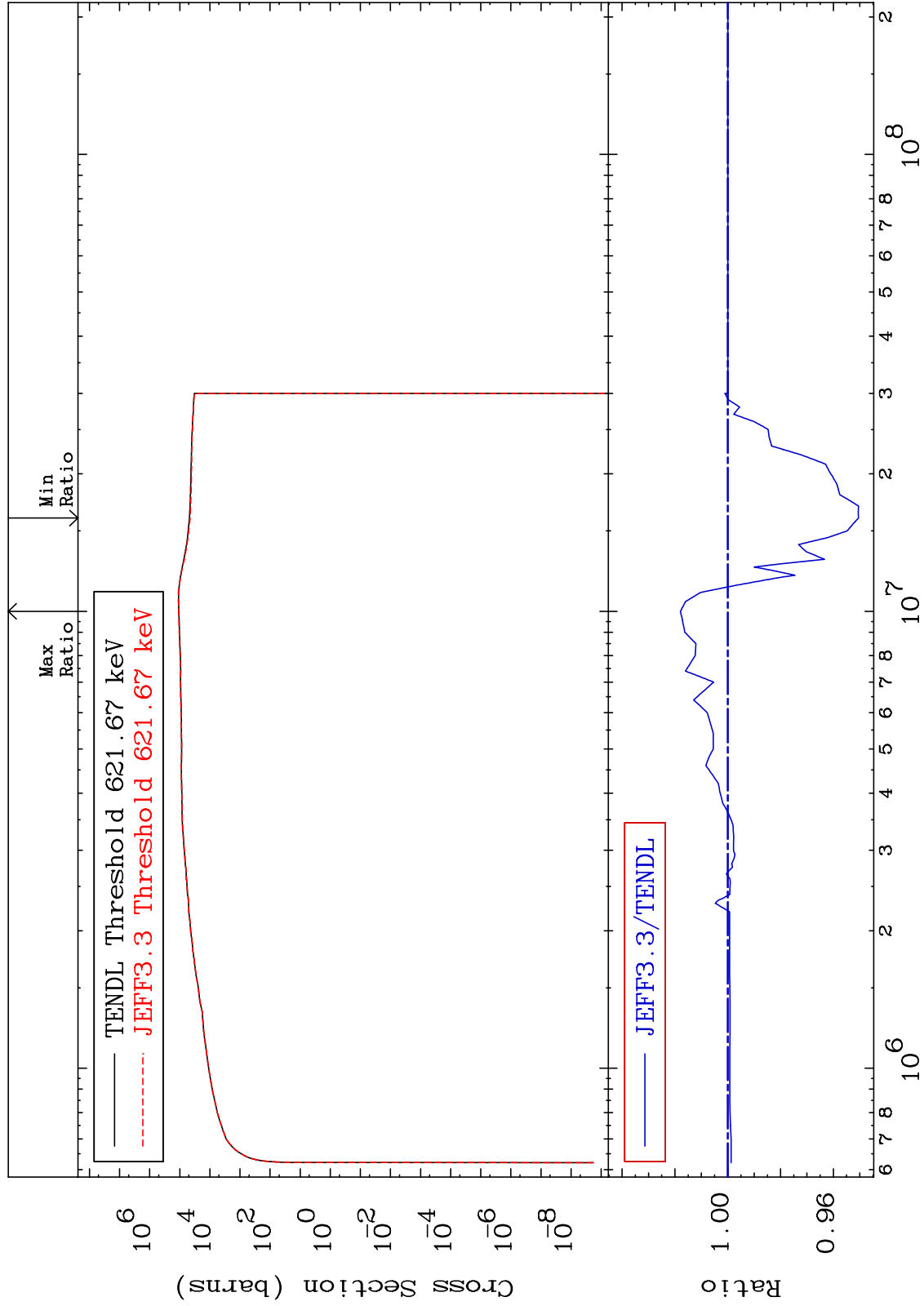
MAT 3437

Dpa inelastic (mt51-91)

34-Se-78

-4.951 To 1.790 %

Cross Section



77

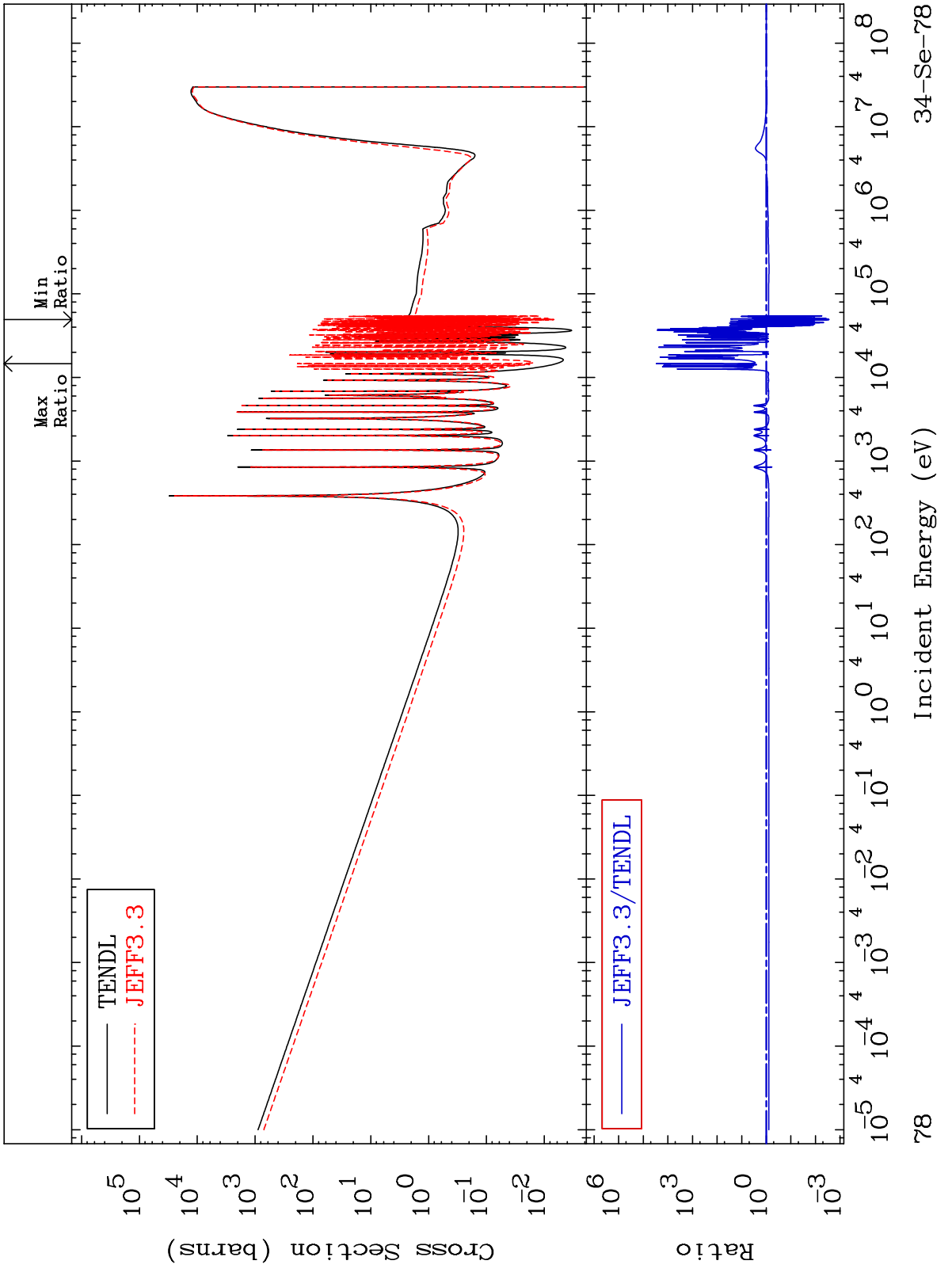
Incident Energy (eV)

34-Se-78

MAT 3437

Dpa disappearance (mt102 -120)  
Cross Section

34-Se-78  
-99.72 To 9999. %



34-Se-78

Incident Energy (eV)

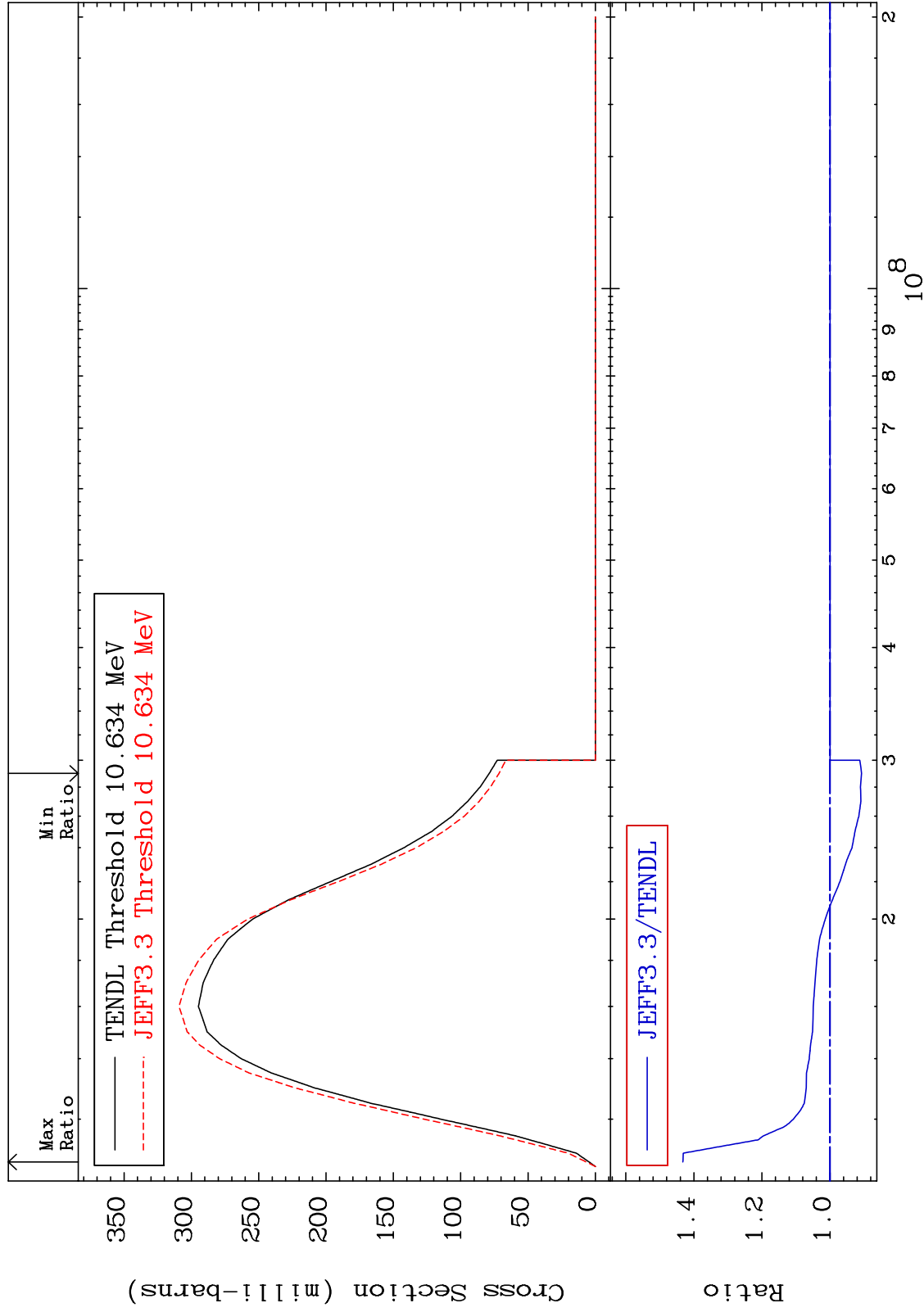
78

MAT 3437

(n,2n):34-Se-77g

34-Se-78

Radionuclide Production Cross Section -9.295 To 43.24 %



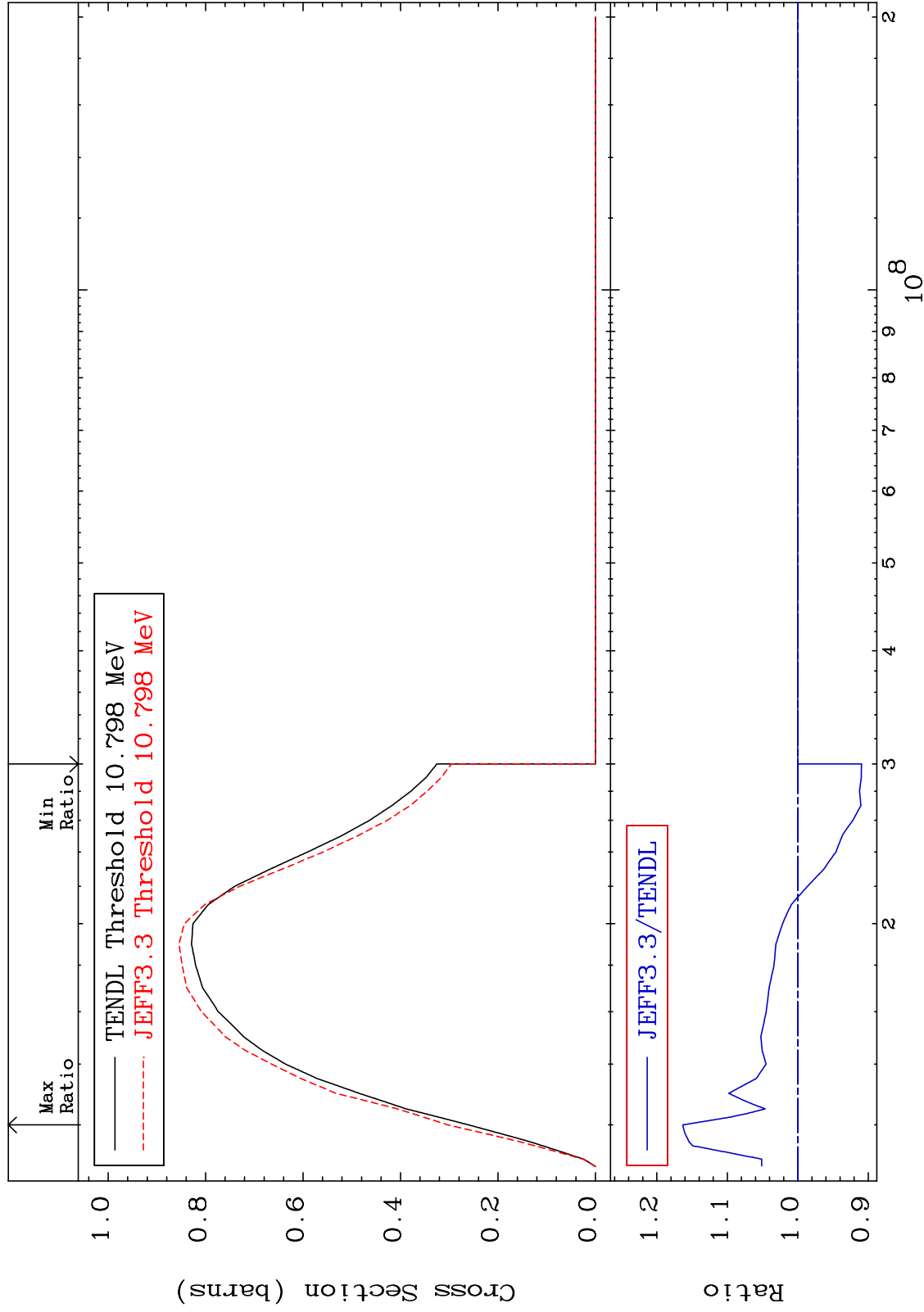


MAT 3437

(n,2n):34-Se-77m1

34-Se-78

Radionuclide Production Cross Section -9.060 To 16.30 %

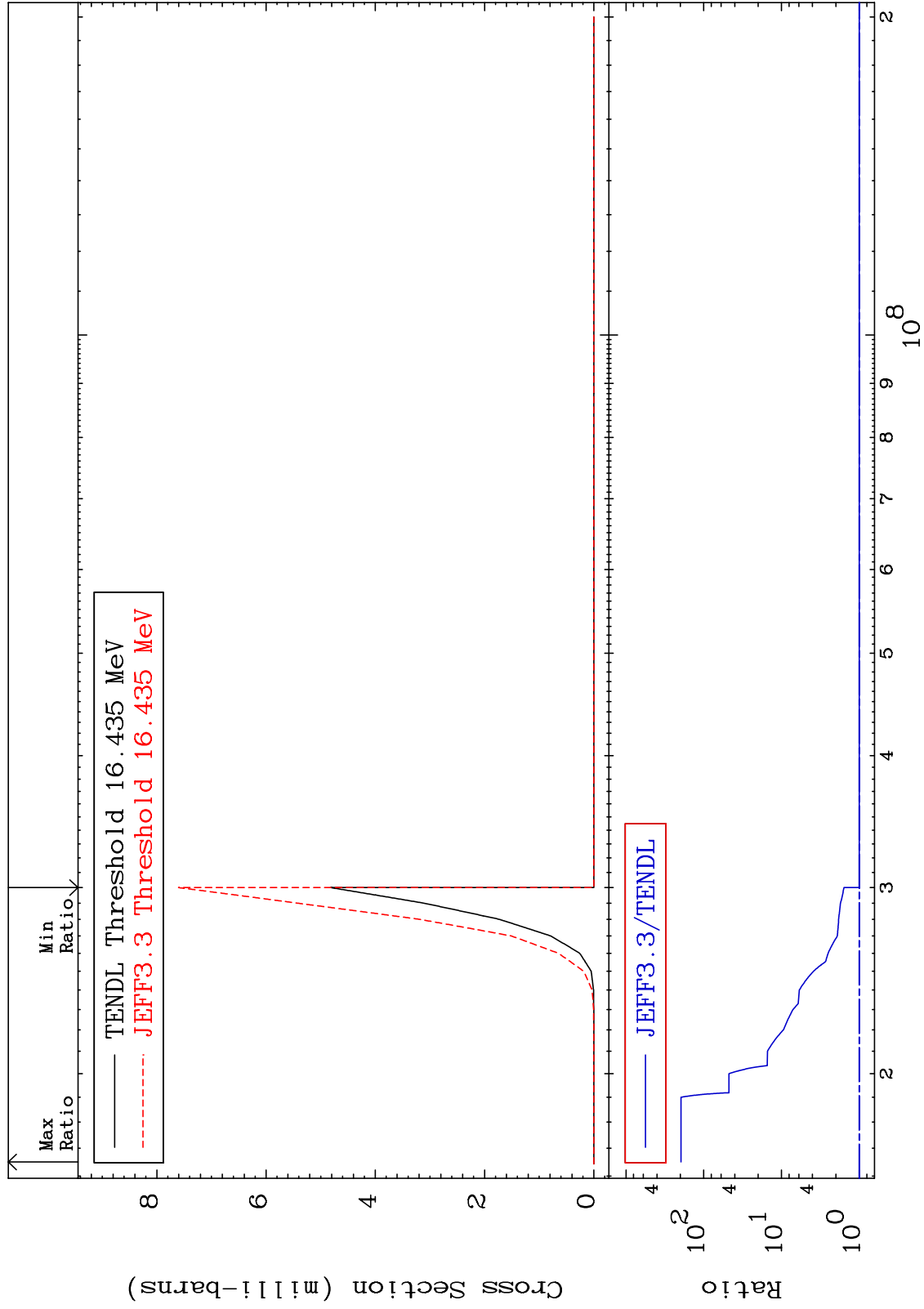


MAT 3437

(n,2n)  $\alpha$ : 32-Ge-73g

34-Se-78

Radionuclide Production Cross Section 0.000 To 9999. %

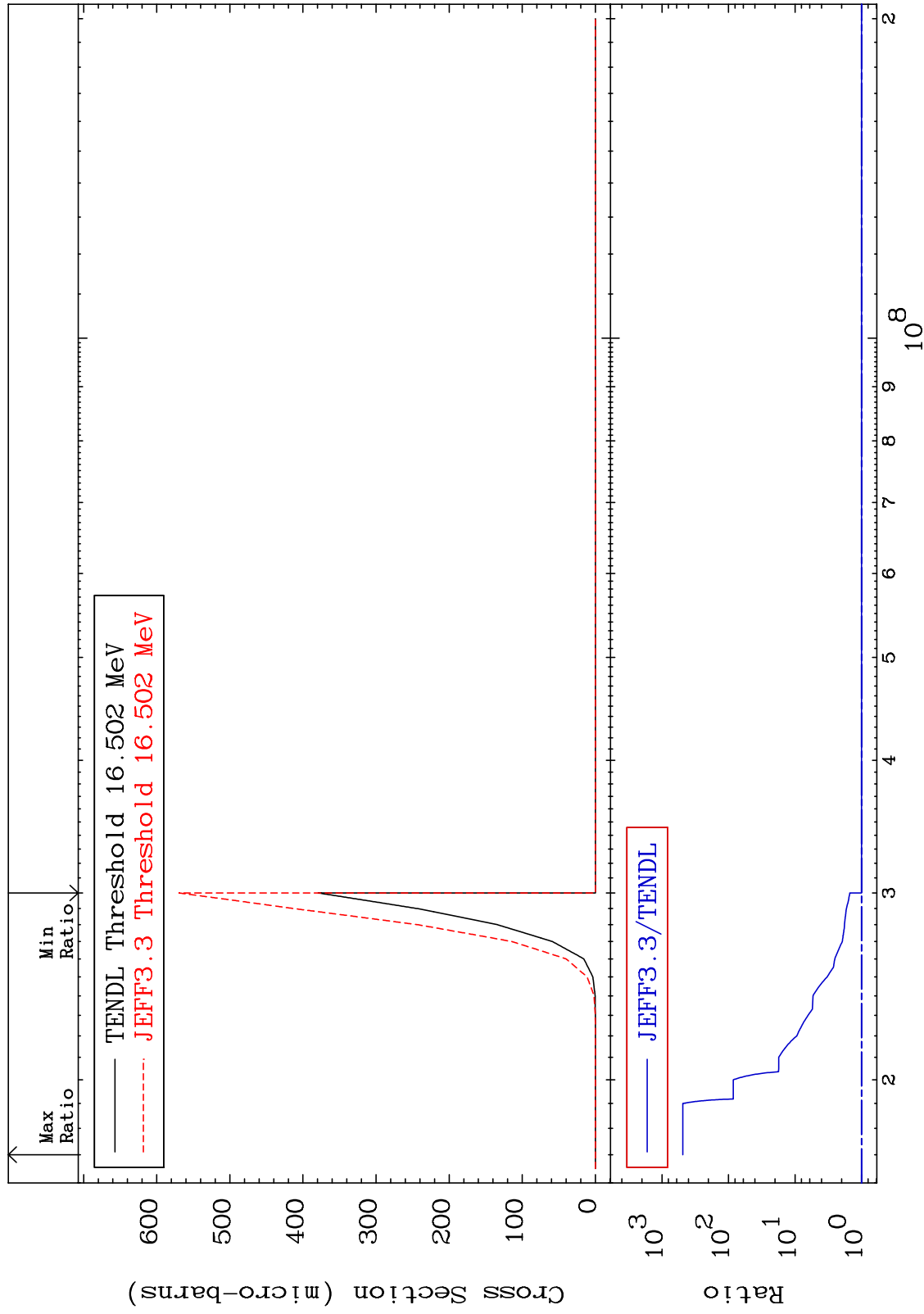


MAT 3437

(n,2n)  $\alpha$ :32-Ge-73m2

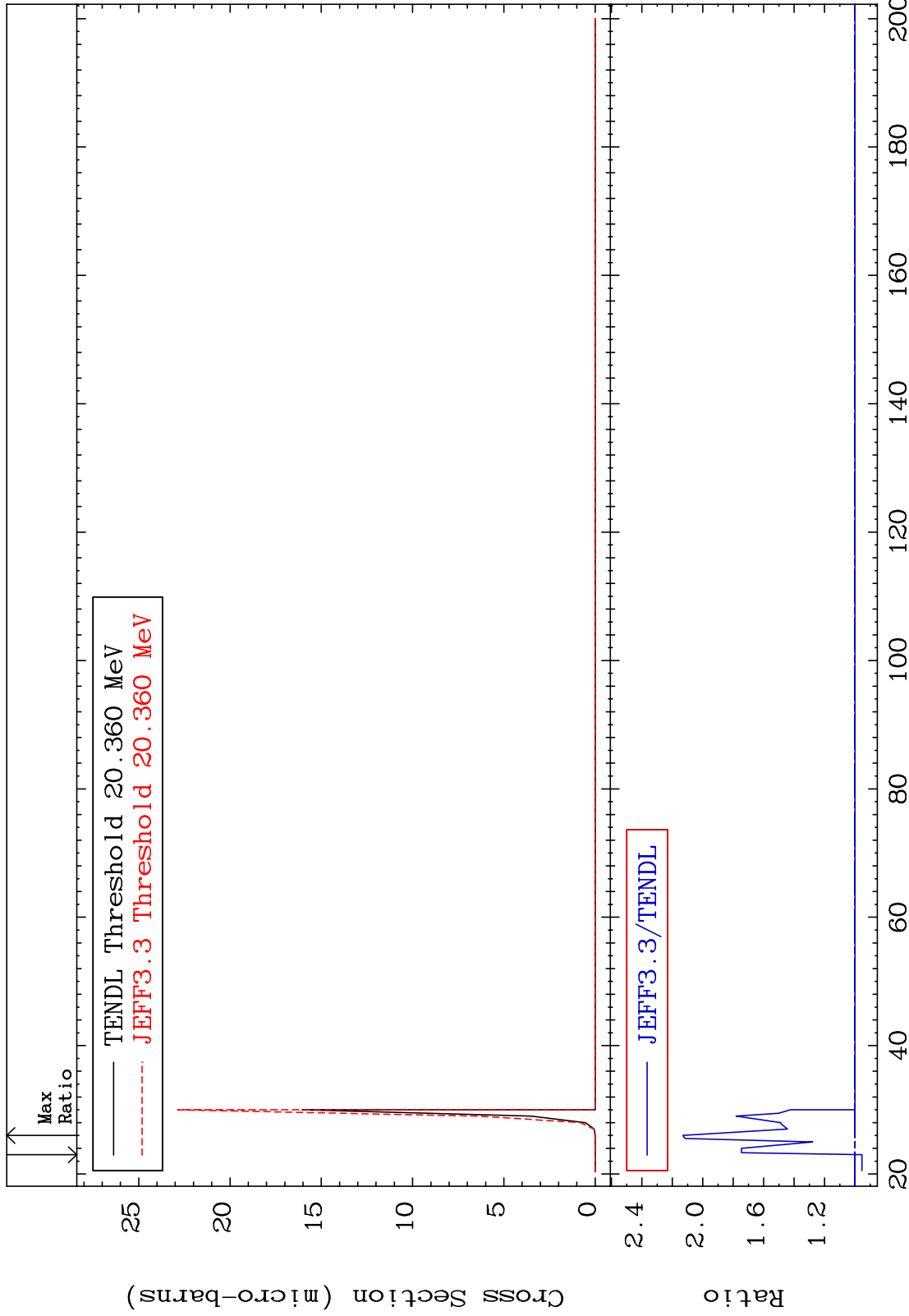
34-Se-78

Radionuclide Production Cross Section 0.000 To 9999. %



MAT 3437

(n, n') He-3:32-Ge-75g 34-Se-78  
Radionuclide Production Cross Section -4.583 To 113.1 %



34-Se-78

Incident Energy (MeV)

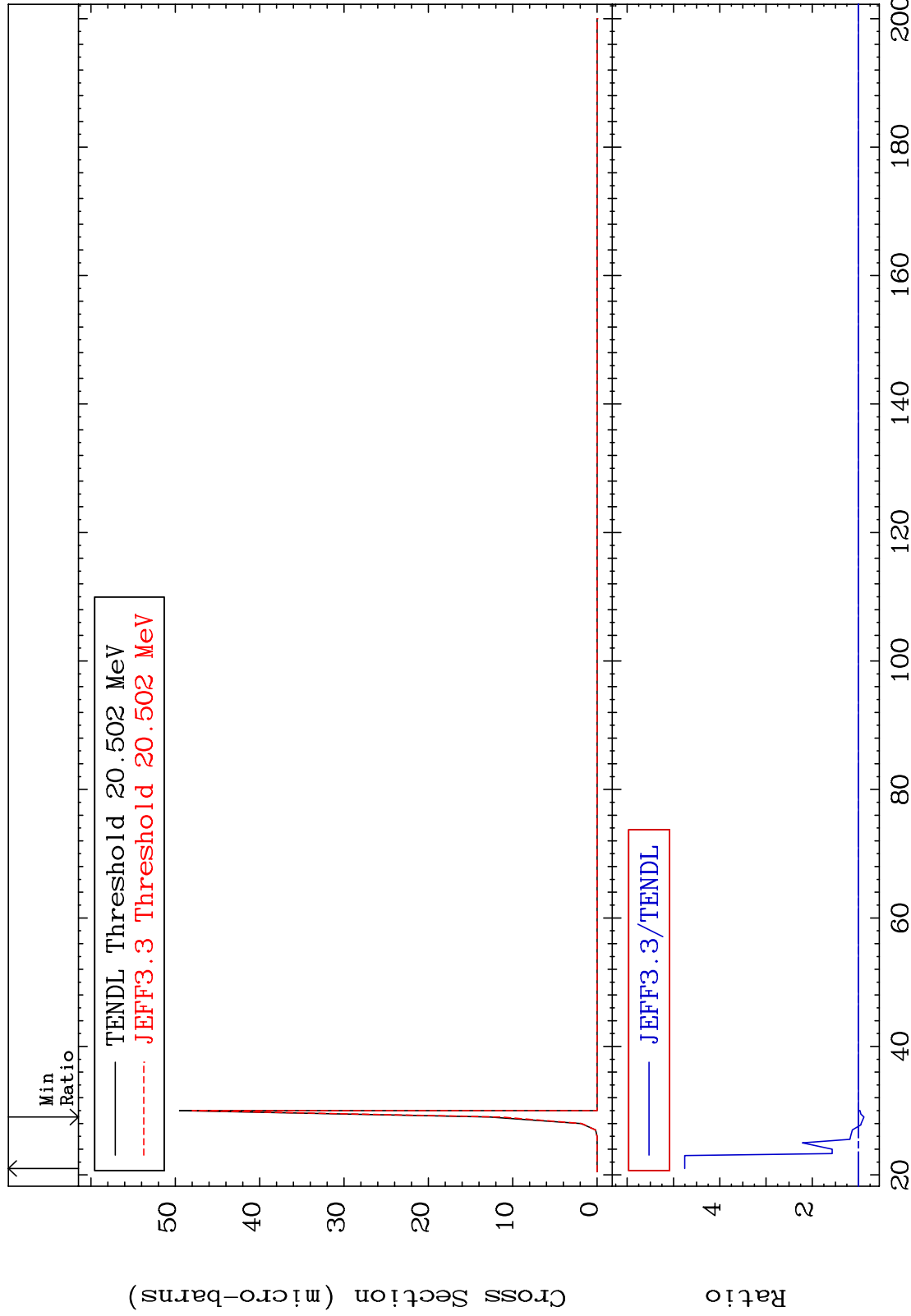
83

MAT 3437

(n, n') He-3:32-Ge-75m2

34-Se-78

Radionuclide Production Cross Section -11.85 To 375.5 %



84

Incident Energy (MeV)

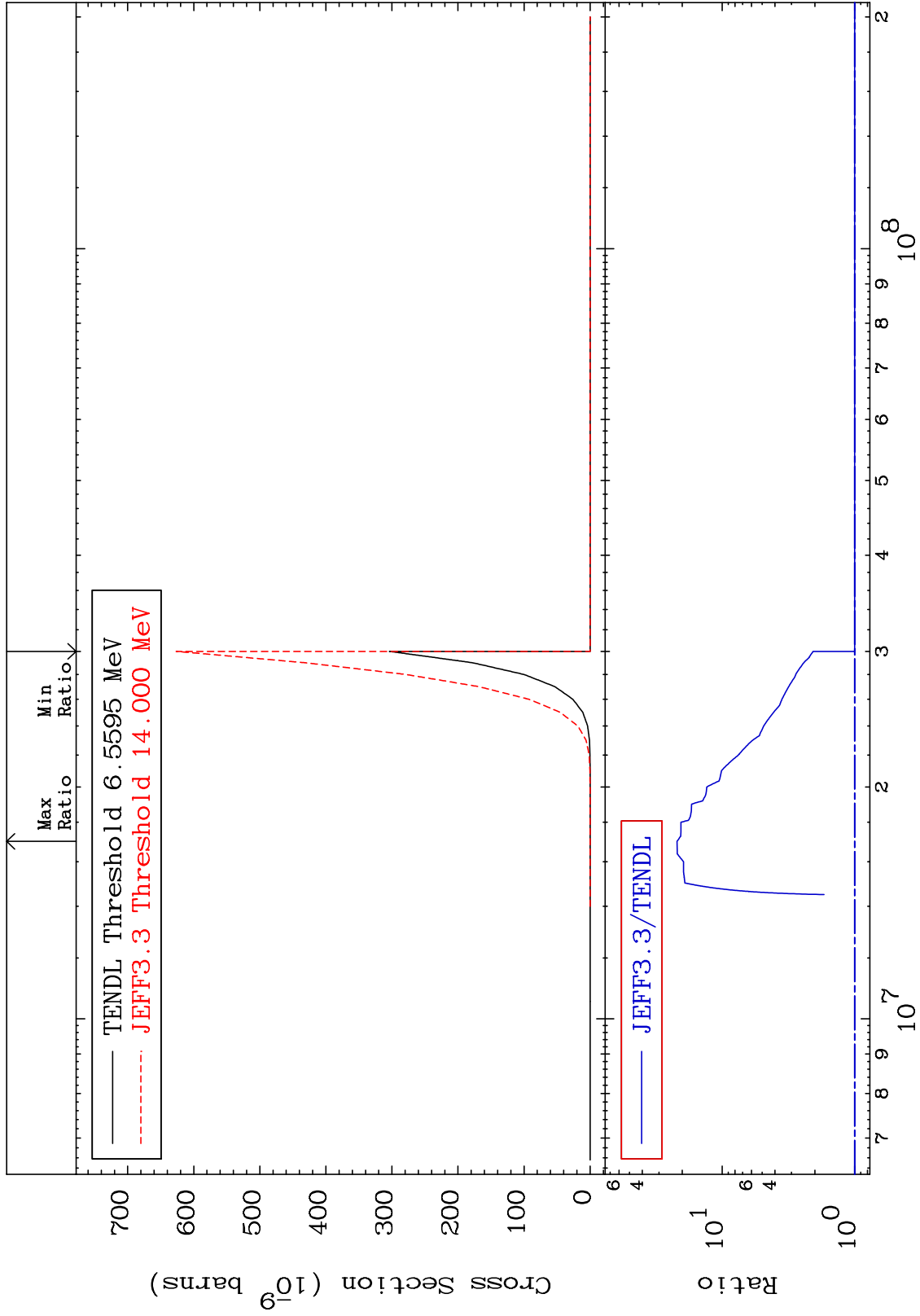
34-Se-78

MAT 3437

34-Se-78

(n,2α):30-Zn-71g

Radionuclide Production Cross Section 0.000 To 2089. %



85

Incident Energy (eV)

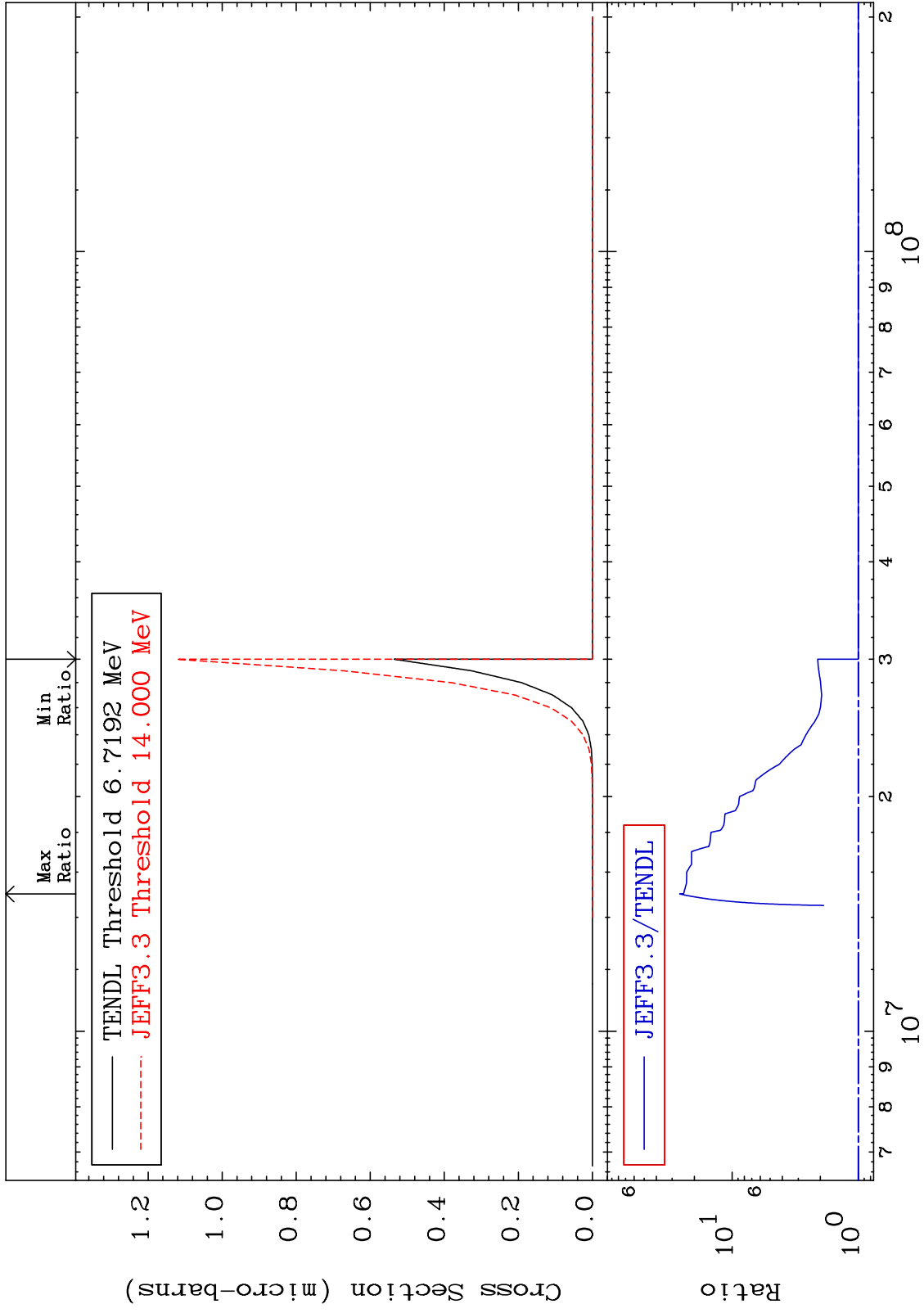
34-Se-78

MAT 3437

(n,2α):30-Zn-71m1

34-Se-78

Radionuclide Production Cross Section 0.000 To 2505. %

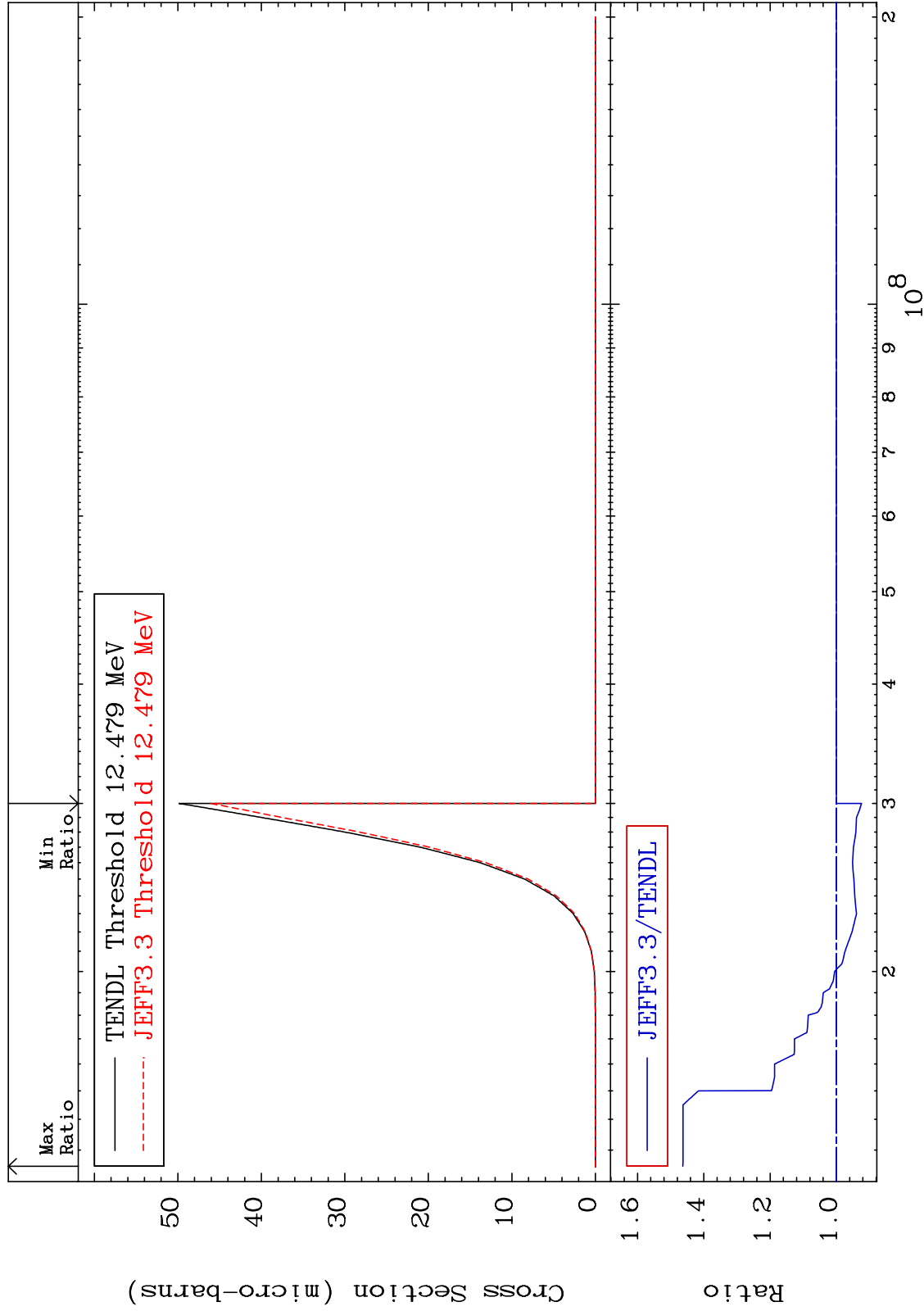


MAT 3437

(n,2p) : 32-Ge-77g

34-Se-78

Radionuclide Production Cross Section -7.594 To 46.31 %



87

Incident Energy (eV)

34-Se-78

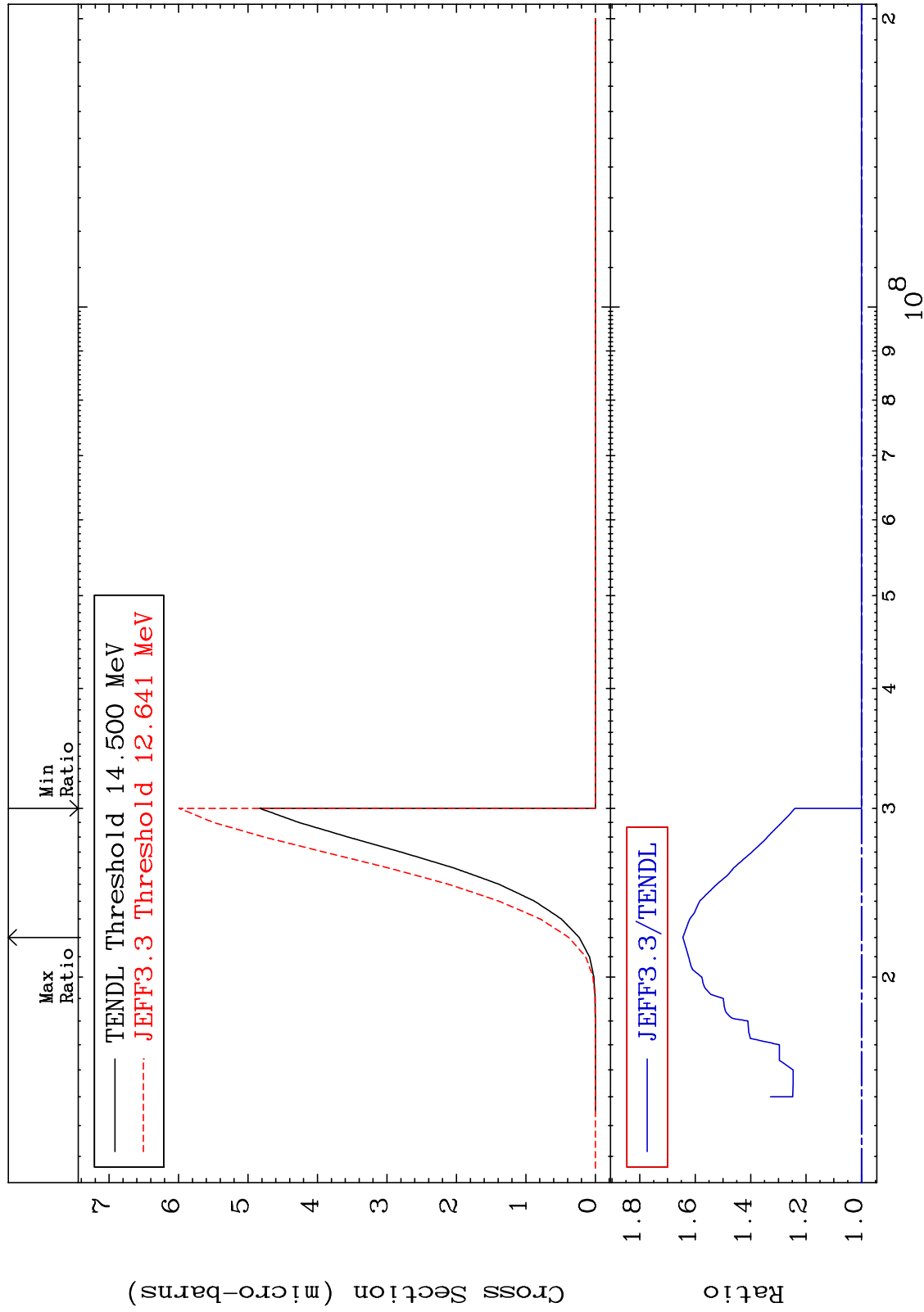


MAT 3437

(n,2p):32-Ge-77m1

34-<sup>Se</sup>-78

Radionuclide Production Cross Section 0.000 To 64.46 %

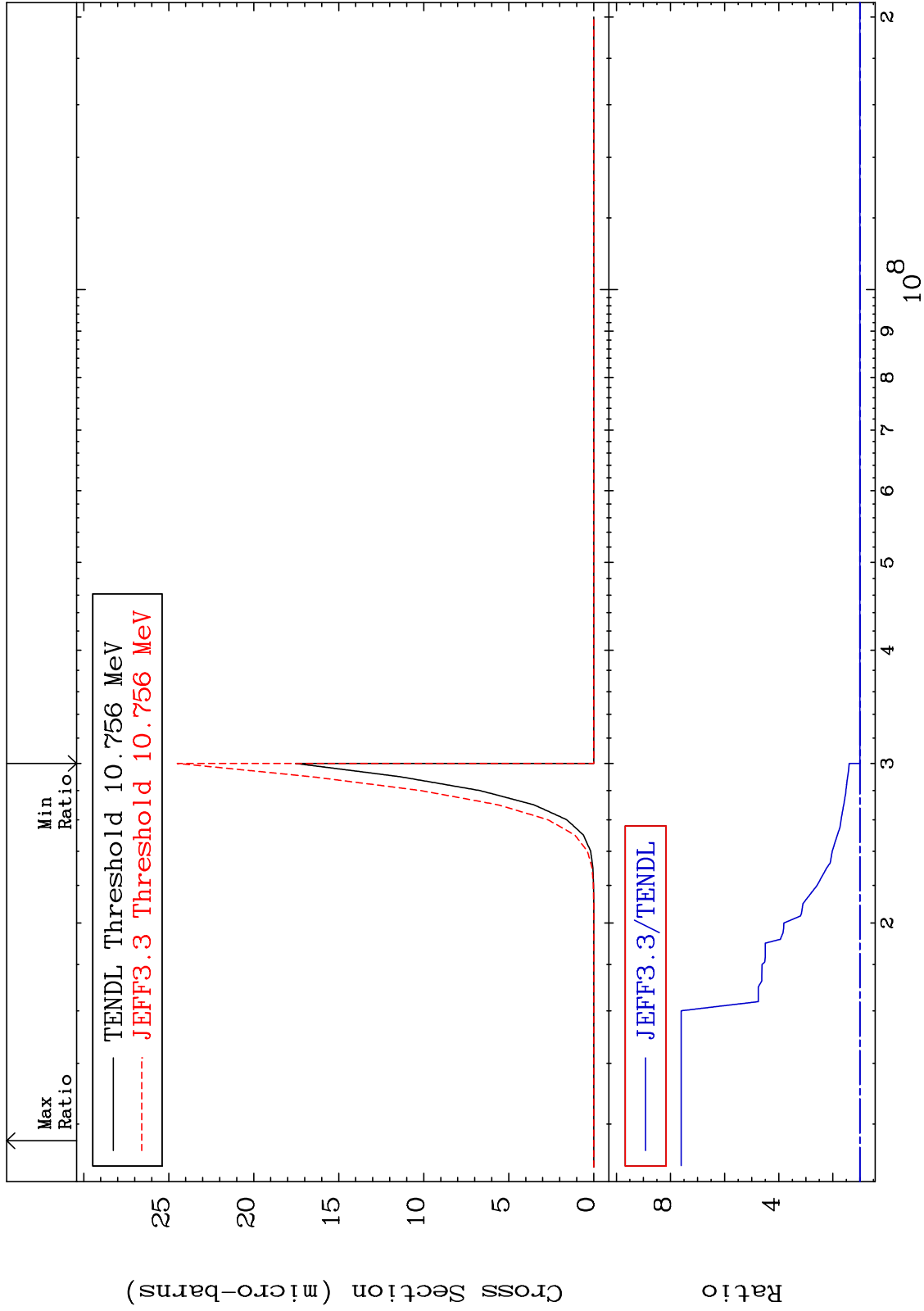


MAT 3437

(n, p)  $\alpha$ :31-Ga-74g

34-Se-78

Radionuclide Production Cross Section 0.000 To 660.4 %

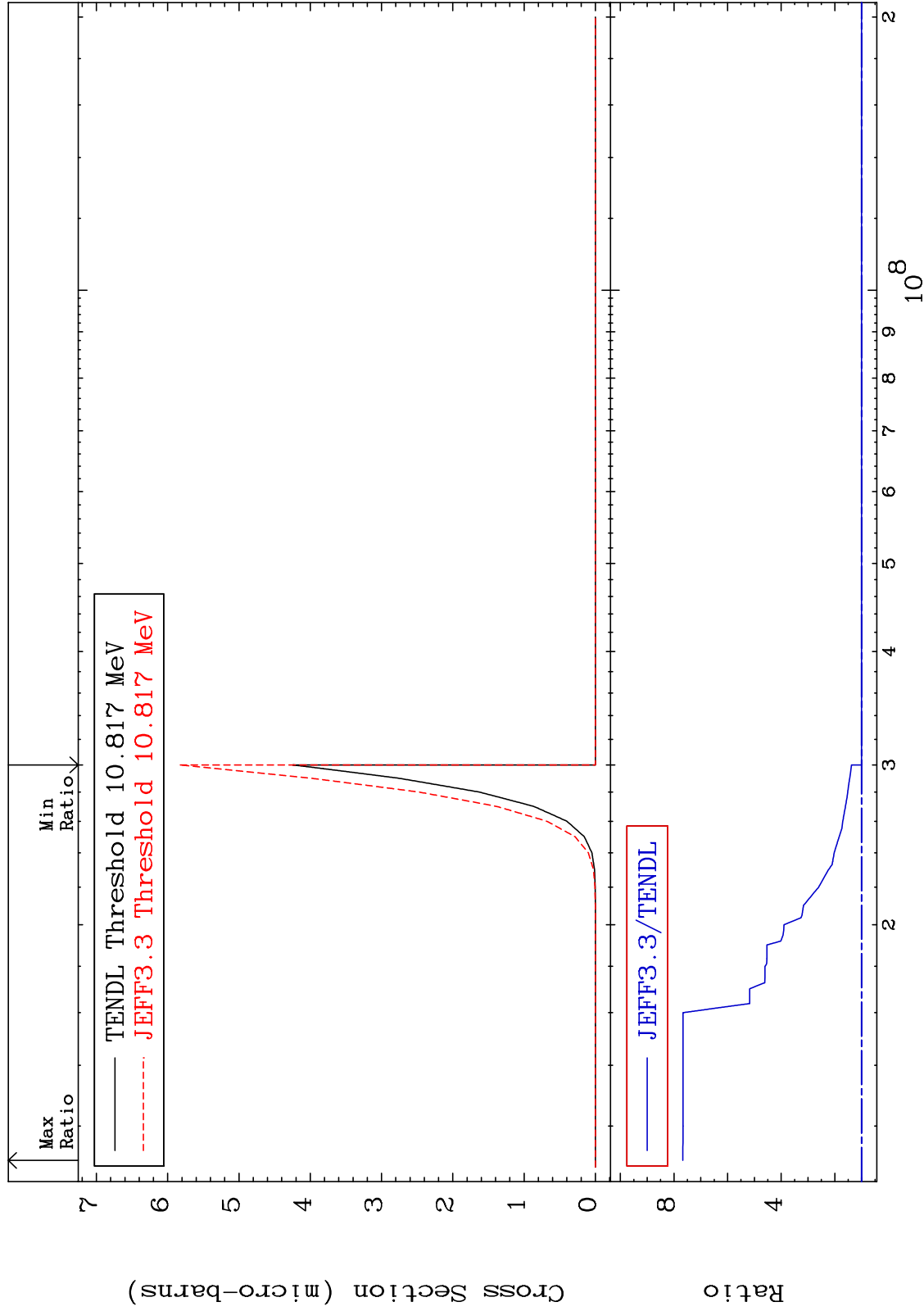


MAT 3437

(n, p)  $\alpha$ : 31-Ga-74m2

34-Se-78

Radionuclide Production Cross Section 0.000 To 666.8 %

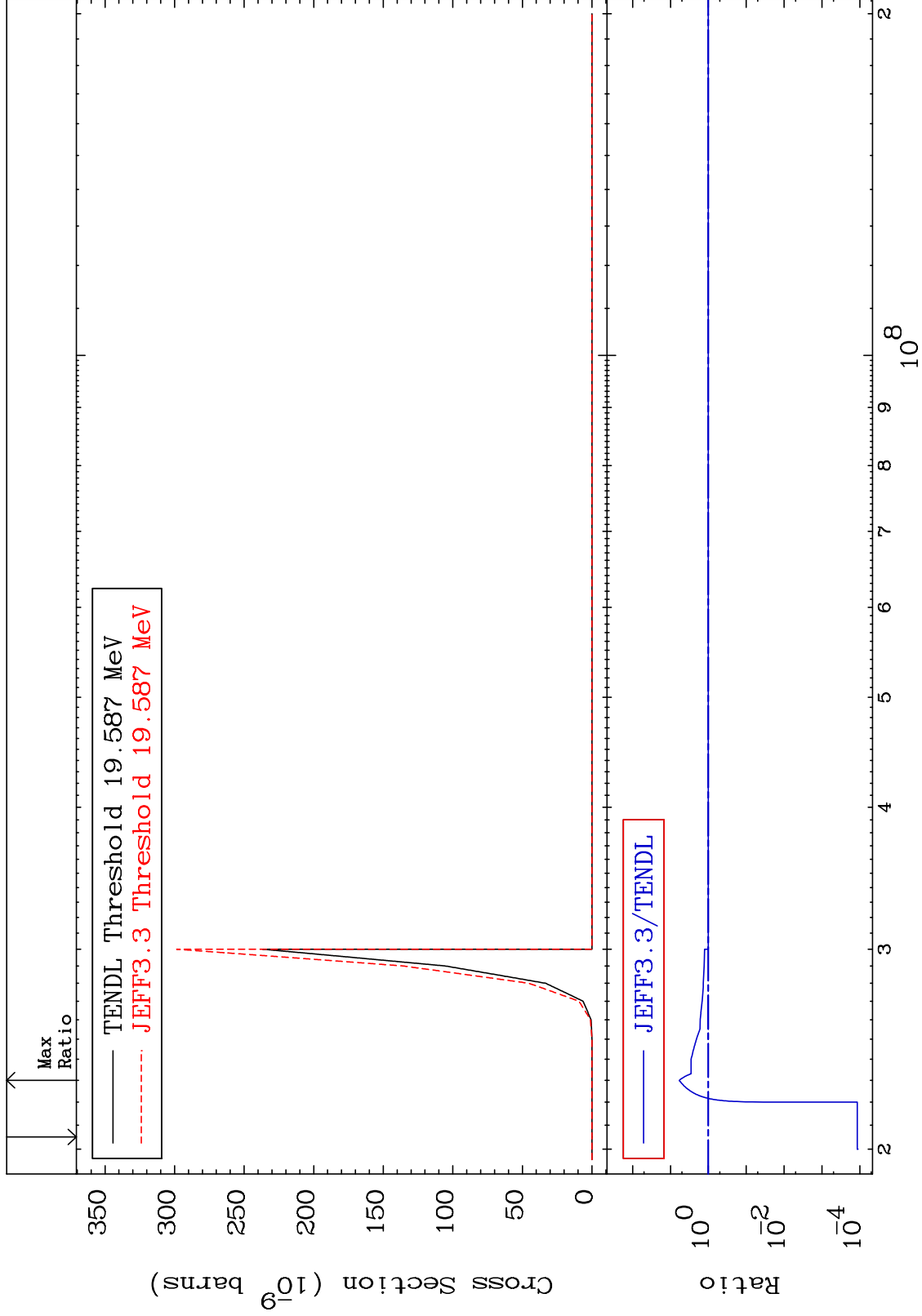


MAT 3437

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

34-Se-78

Radionuclide Production Cross Section -99.99 To 490.3 %



MAT 3437

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

34-Se-78

Radionuclide Production Cross Section -11.22 To 412.8 %

