

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

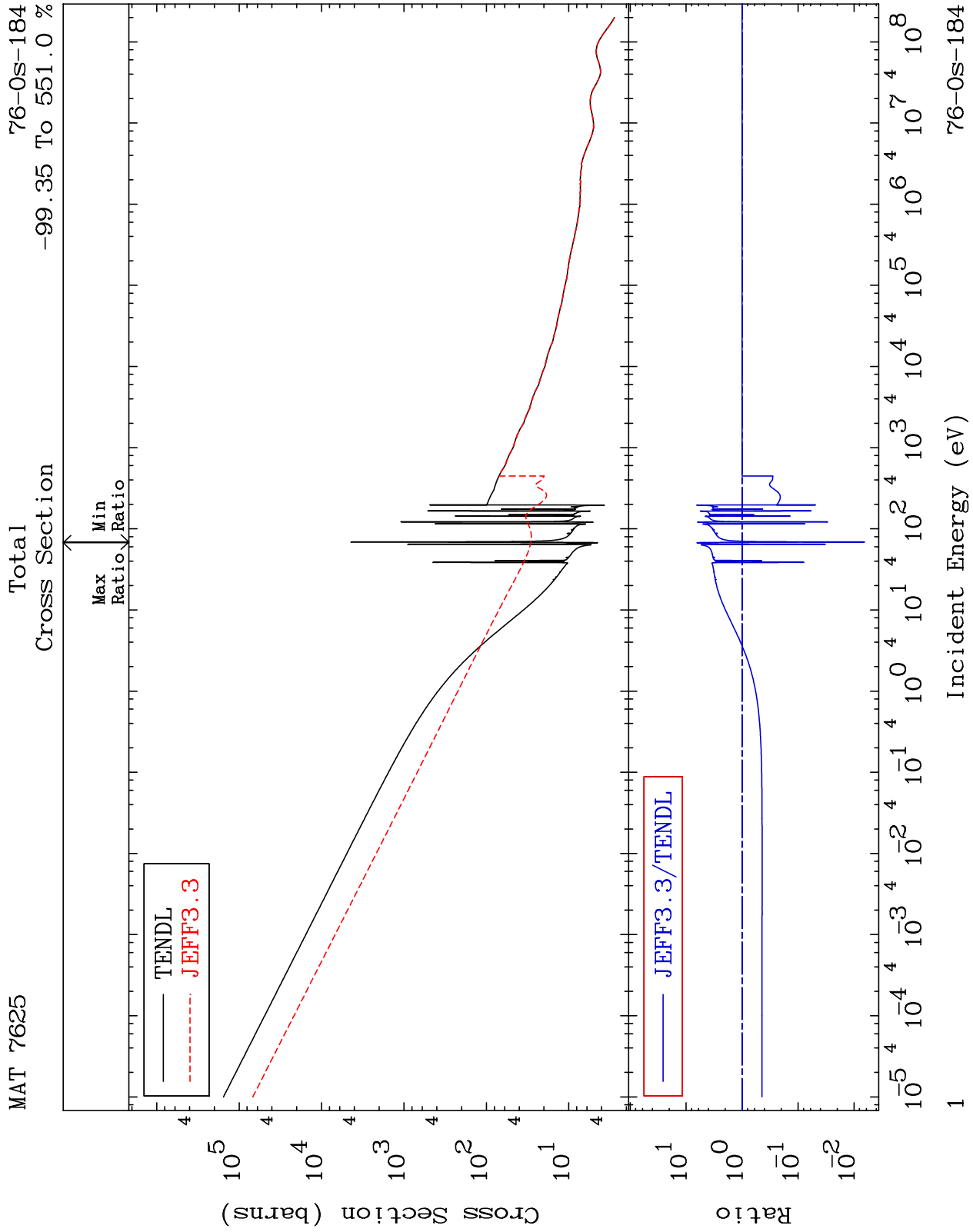
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

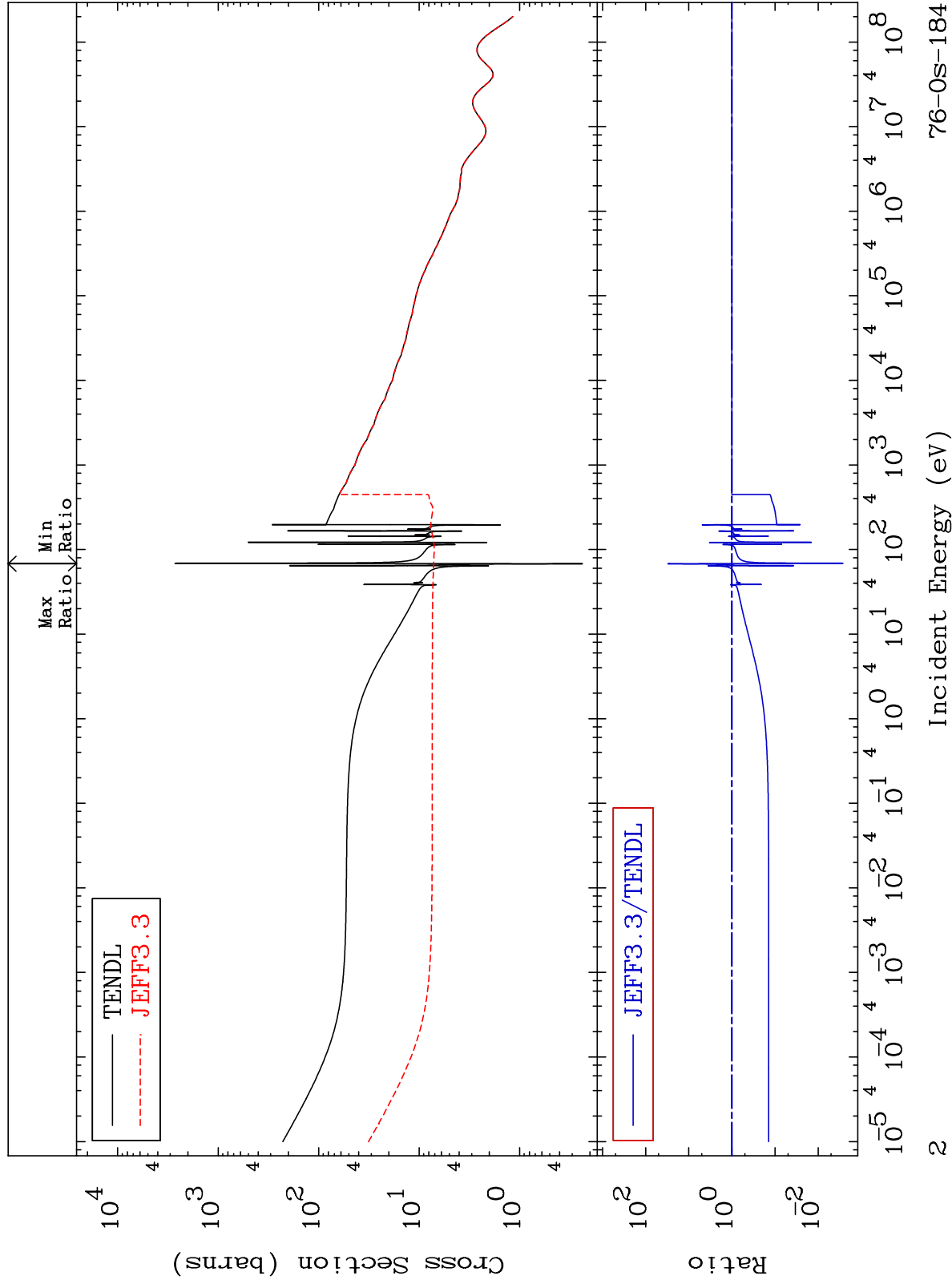


MAT 7625

Elastic

Cross Section

76-0s-184
-99.73 To 2925. %



76-0s-184

Incident Energy (eV)

2

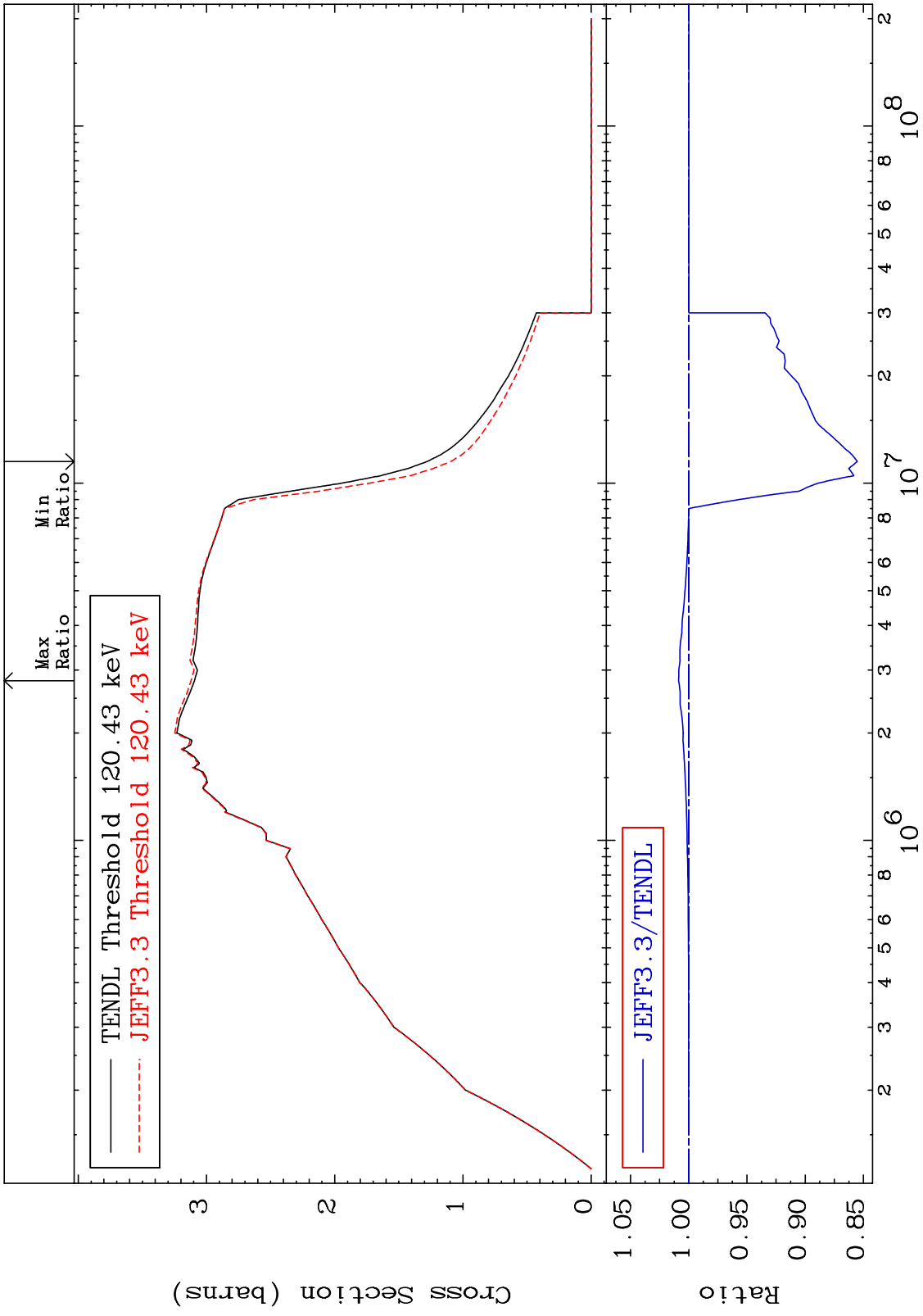
MAT 7625

76-0s-184

-14.47 To 0.867 %

Inelastic

Cross Section



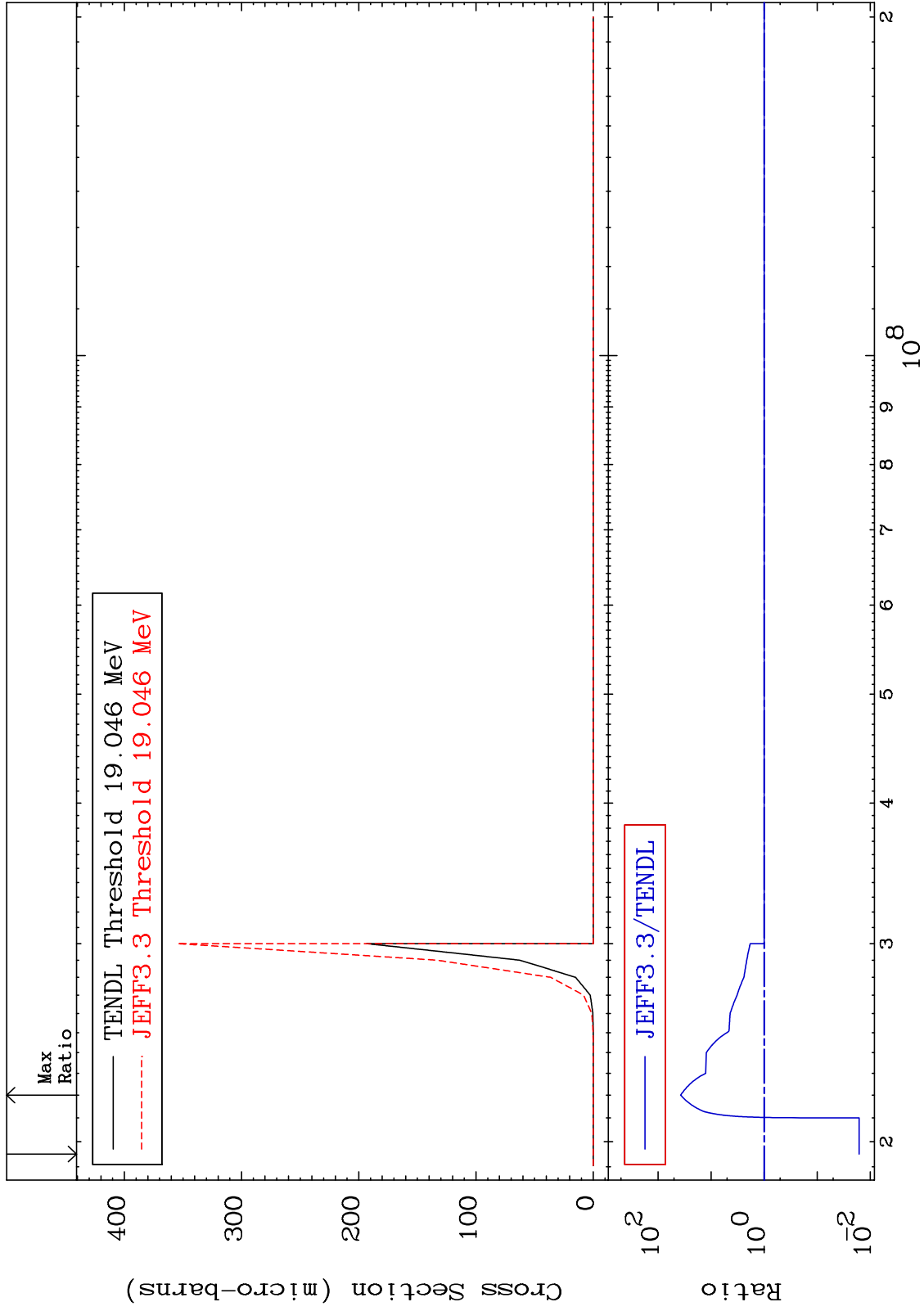
MAT 7625

(n,2n) d

76-0s-184

Cross Section

-98.38 To 3651. %



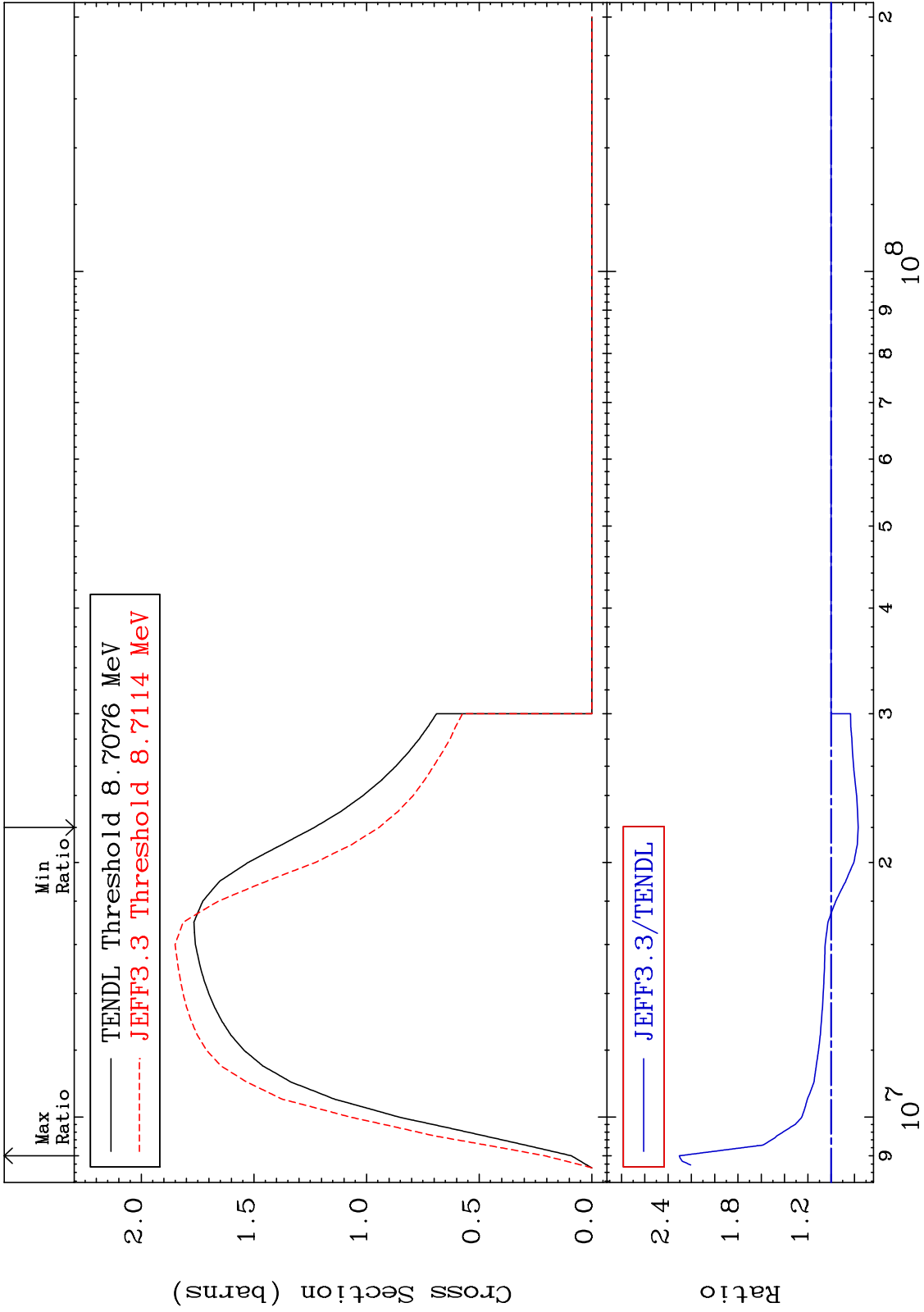
MAT 7625

(n,2n)

76-0s-184

Cross Section

-23.32 To 130.3 %



5

Incident Energy (eV)

76-0s-184

MAT 7625

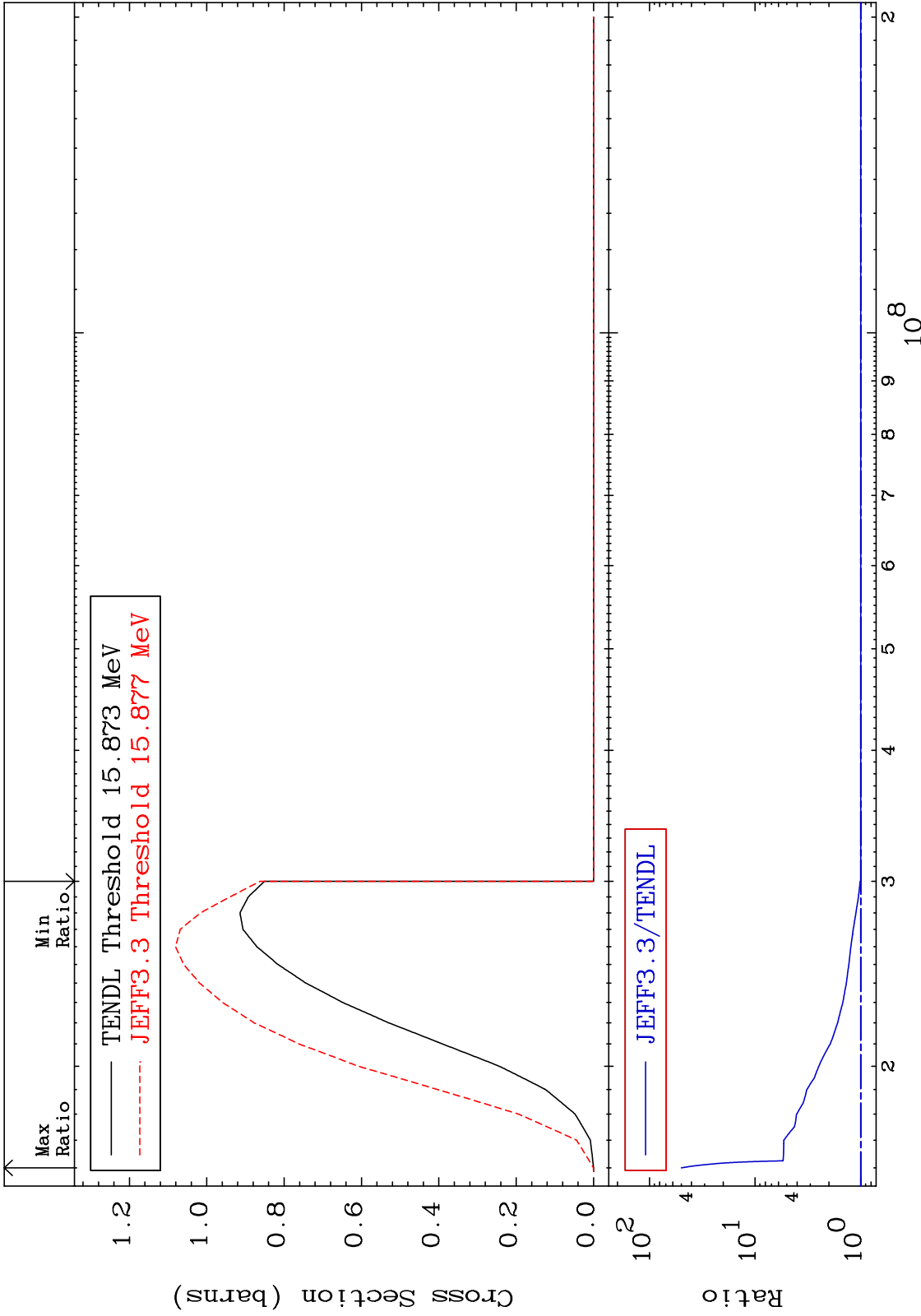
(n,3n)

⁷⁶Os-184

Cross Section

0.000

To 4882. %



6

Incident Energy (eV)

⁷⁶Os-184

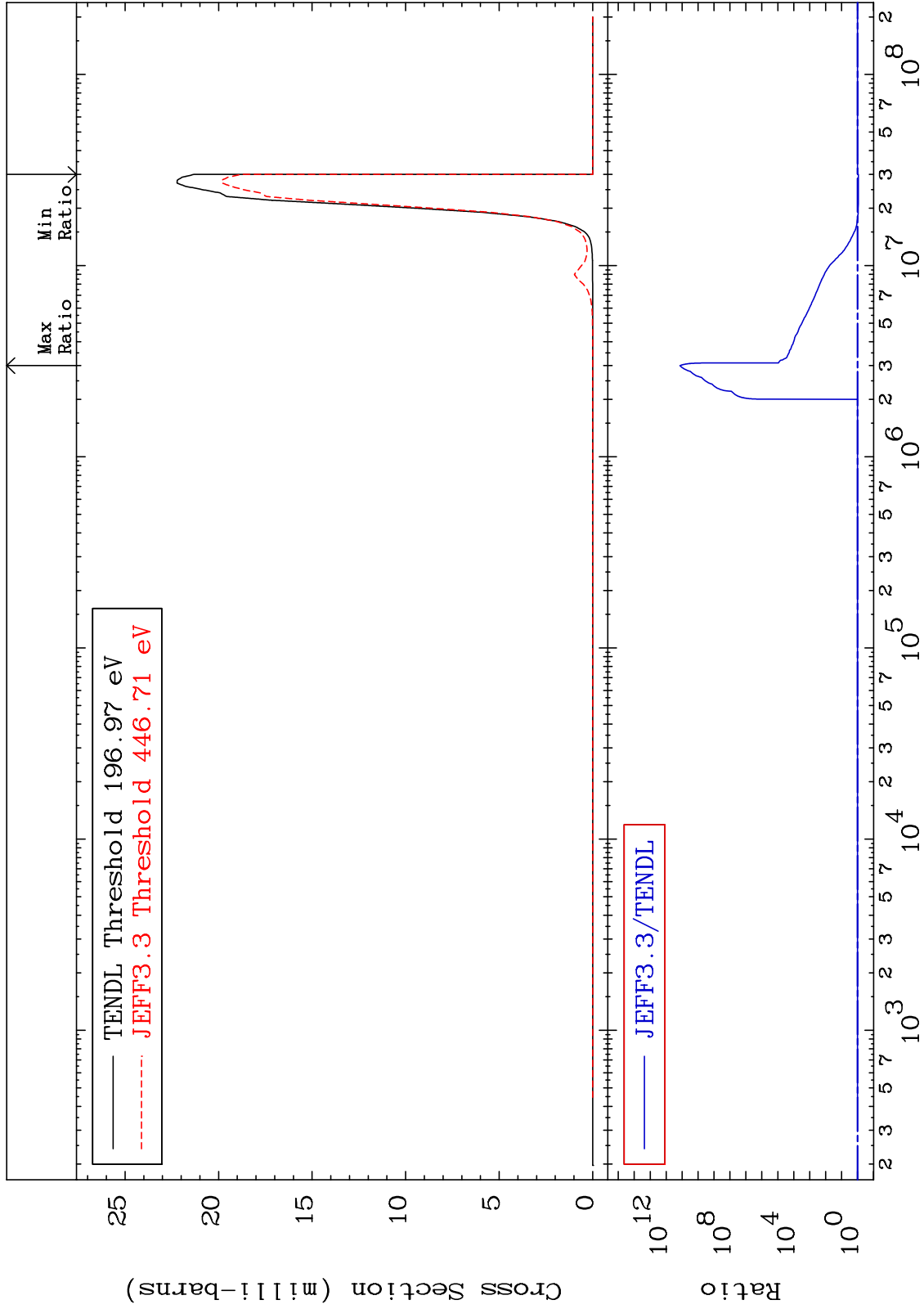
MAT 7625

(n, n') α

Cross Section

76-0s-184

-11.82 To 9999. %



MAT 7625

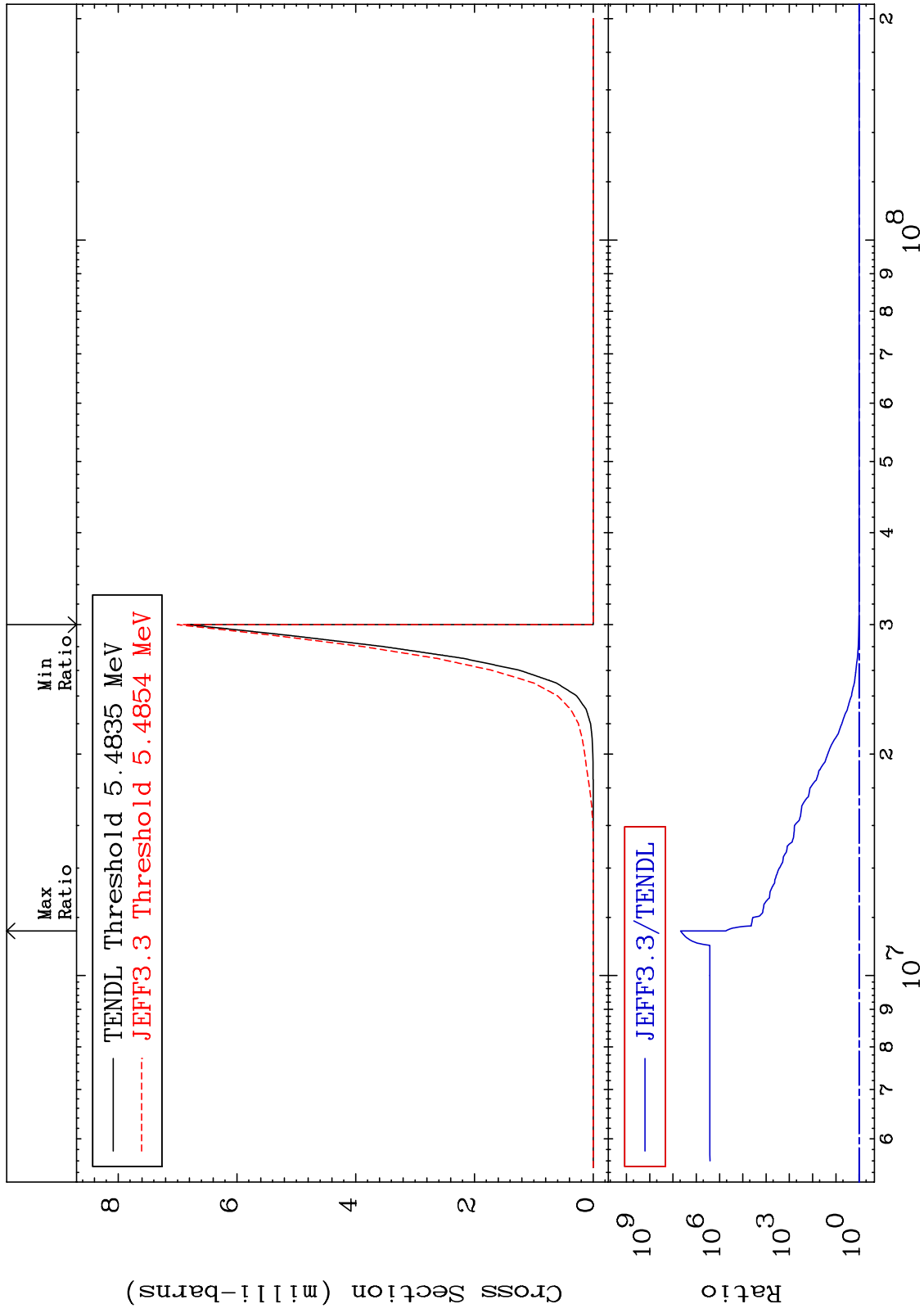
(n,2n) α

76-0s-184

Cross Section

0.000

To 9999. %



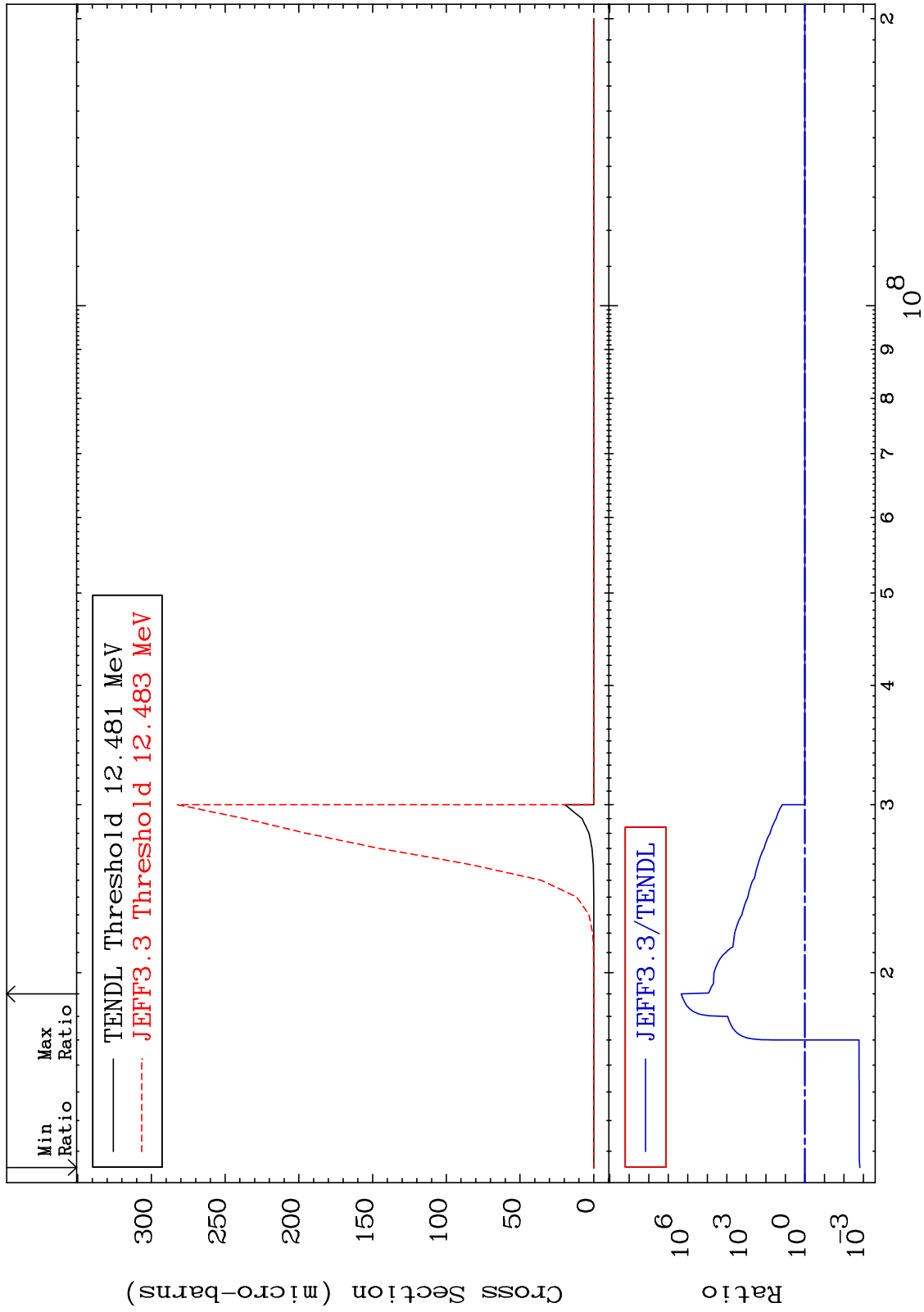
MAT 7625

(n,3n) α

76-0s-184

Cross Section

-99.85 To 9999. %



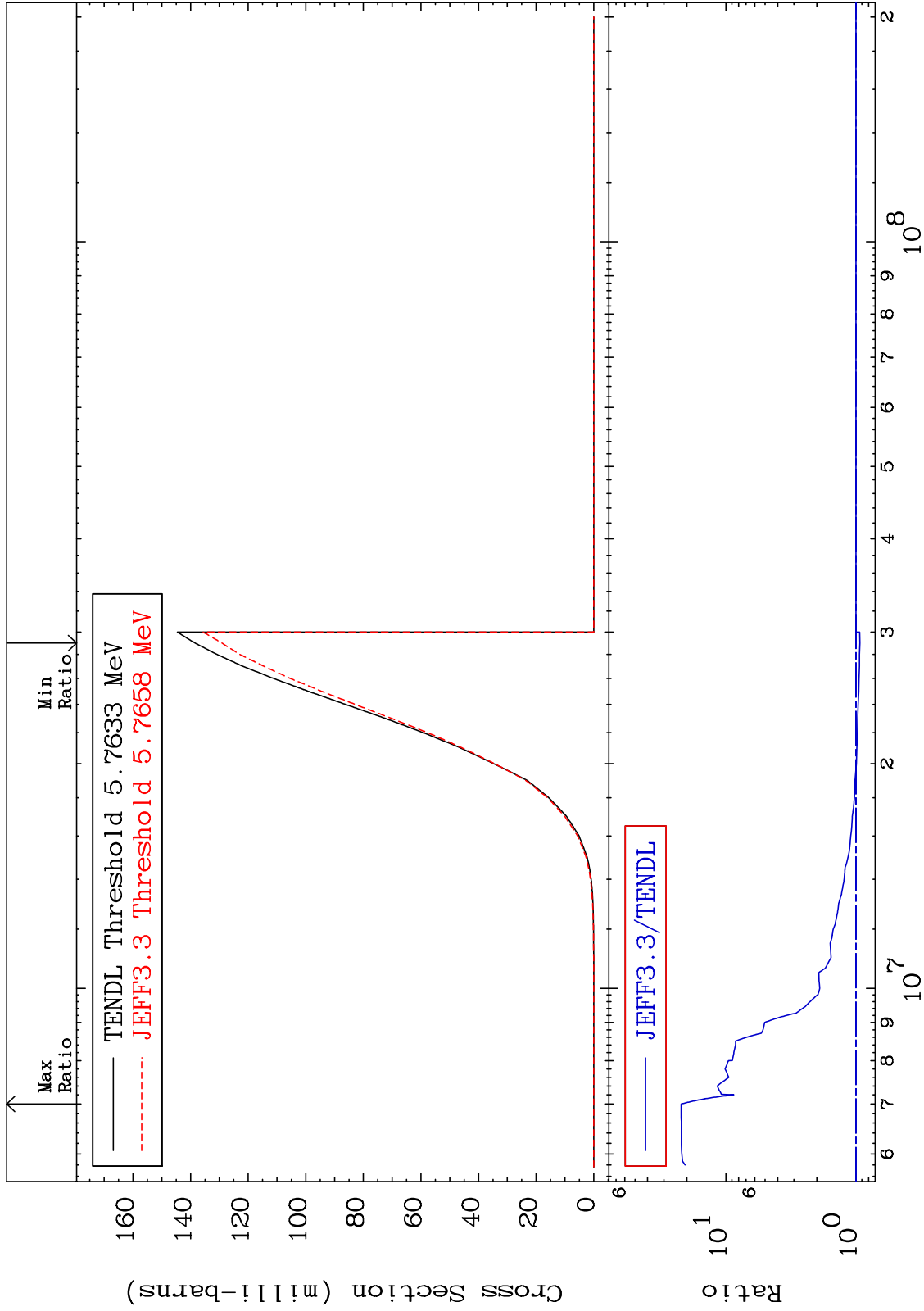
MAT 7625

(n,n') p

76-0s-184

Cross Section

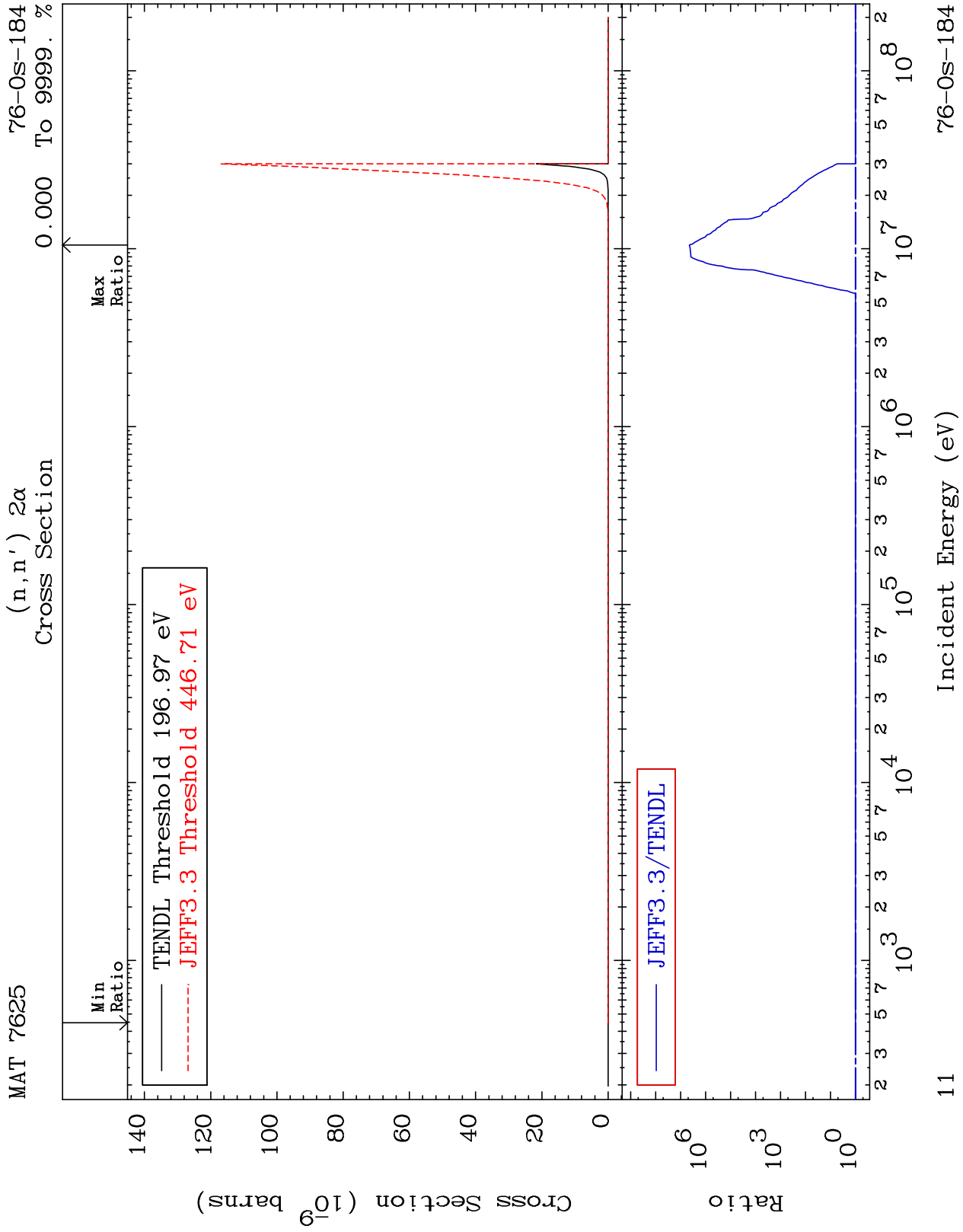
-6.743 To 2105. %



10

Incident Energy (eV)

76-0s-184



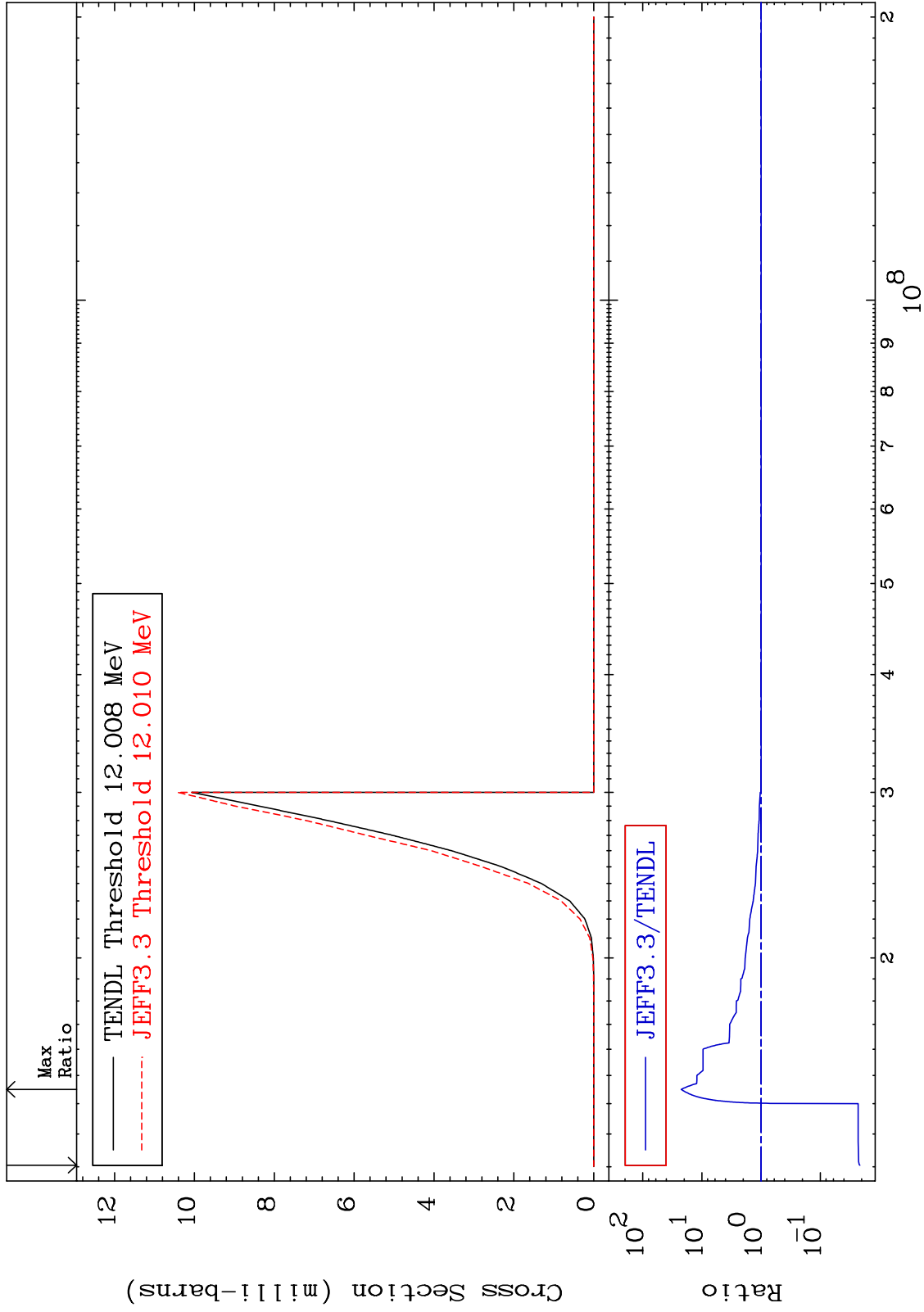
MAT 7625

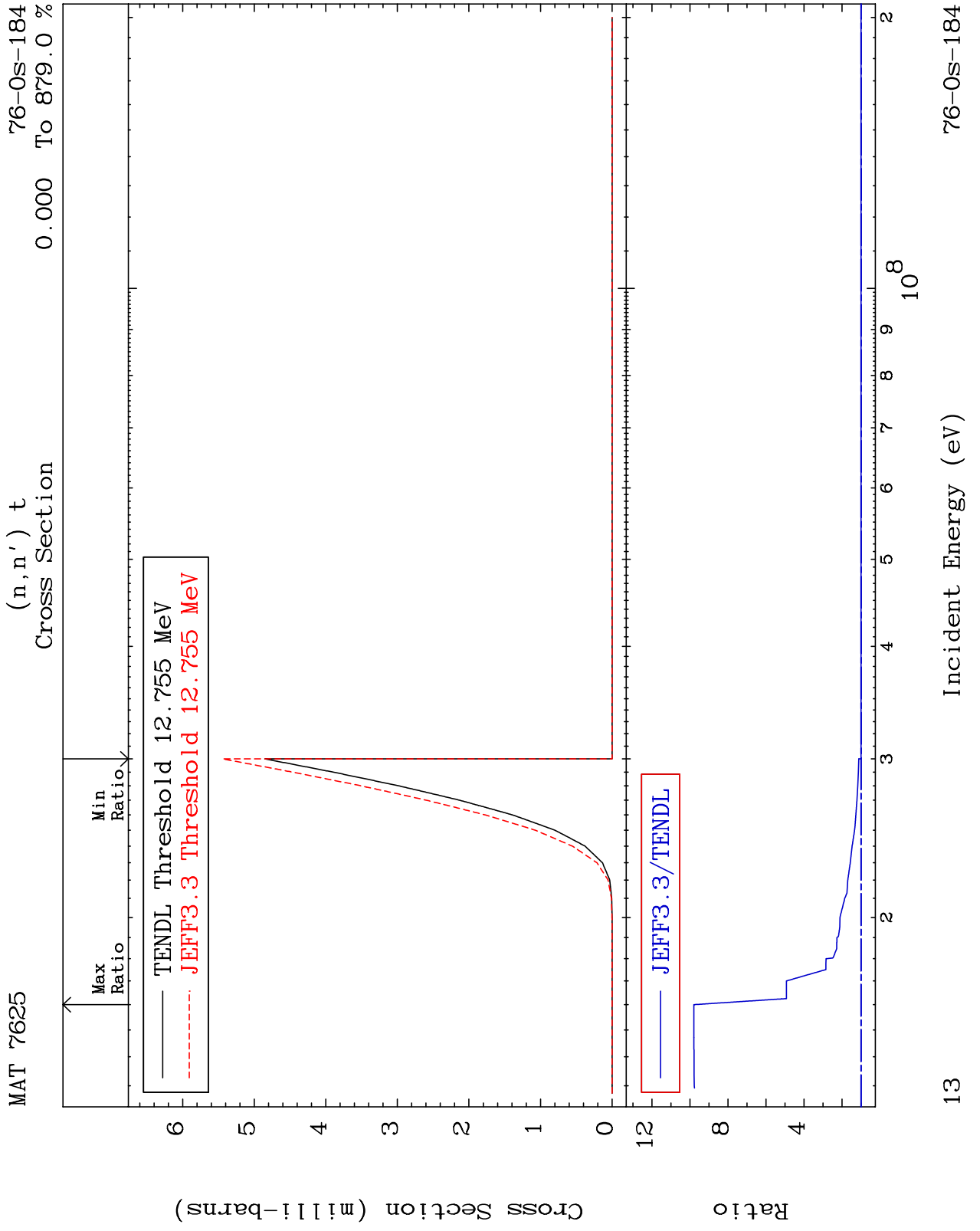
(n,n') d

76-0s-184

Cross Section

-97.86 To 2139. %

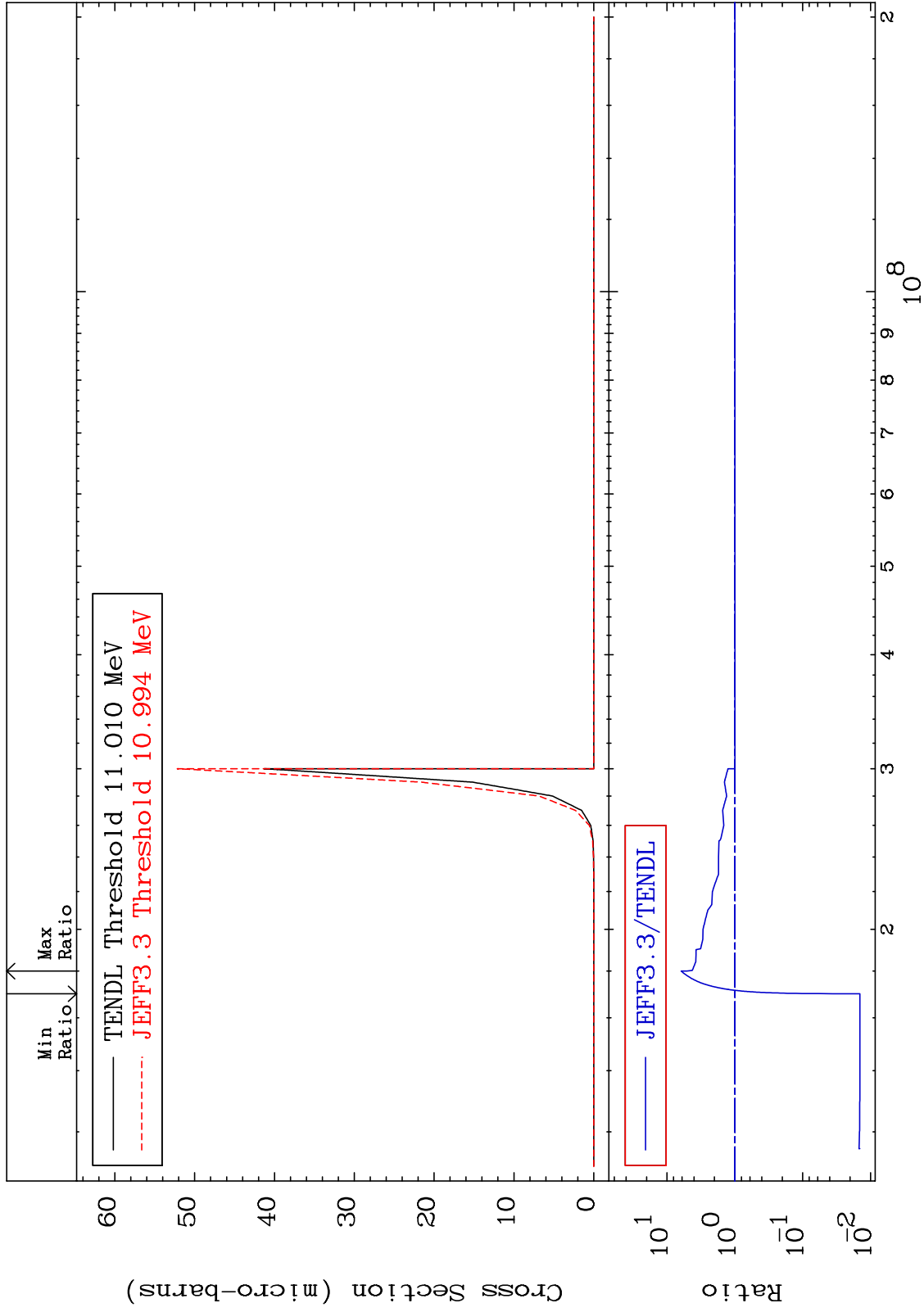




MAT 7625

(n, n') He-3
Cross Section

76-Os-184
-98.57 To 517.0 %



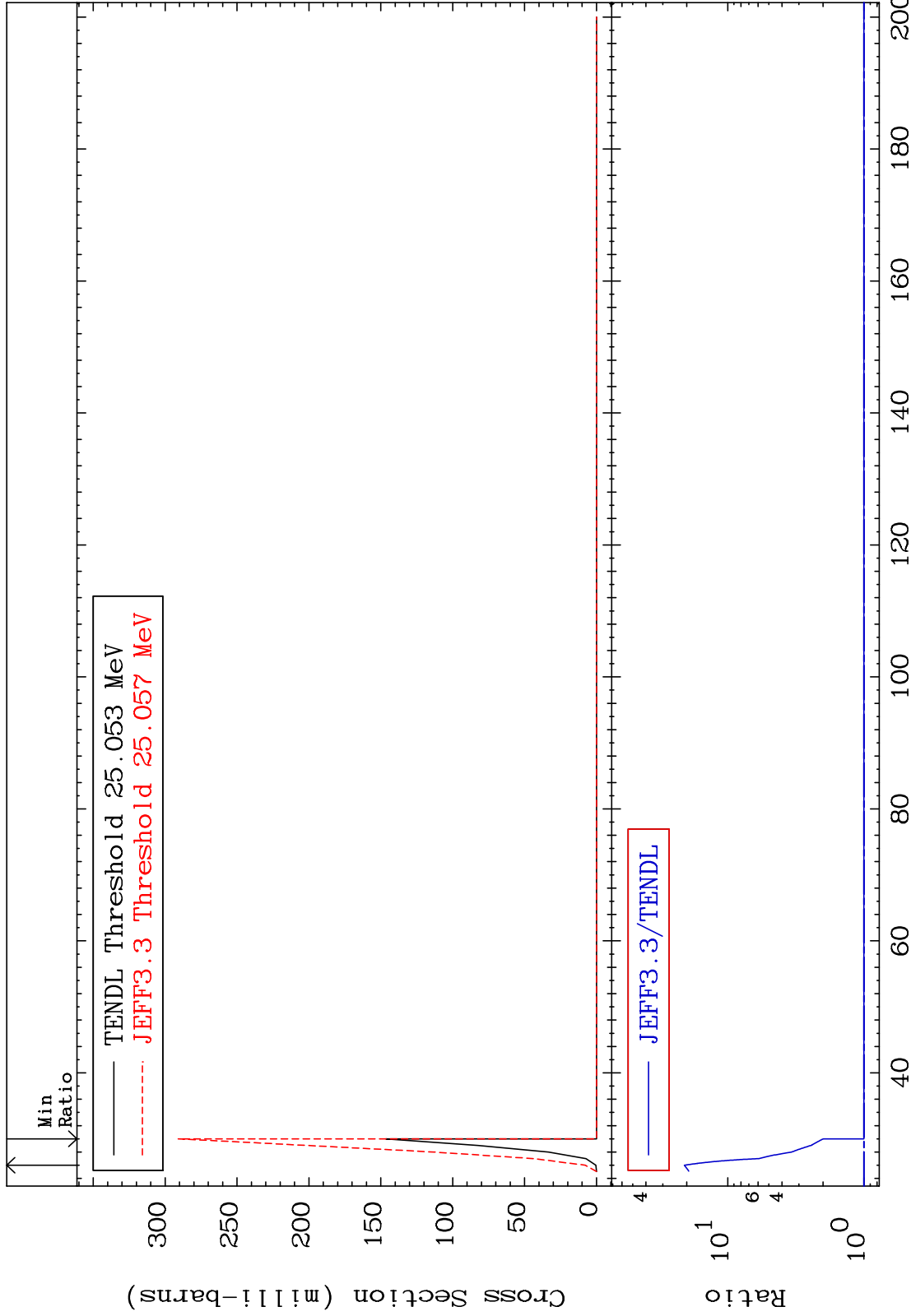
MAT 7625

(n, 4n)

76-0s-184

Cross Section

0.000 To 1984. %



15

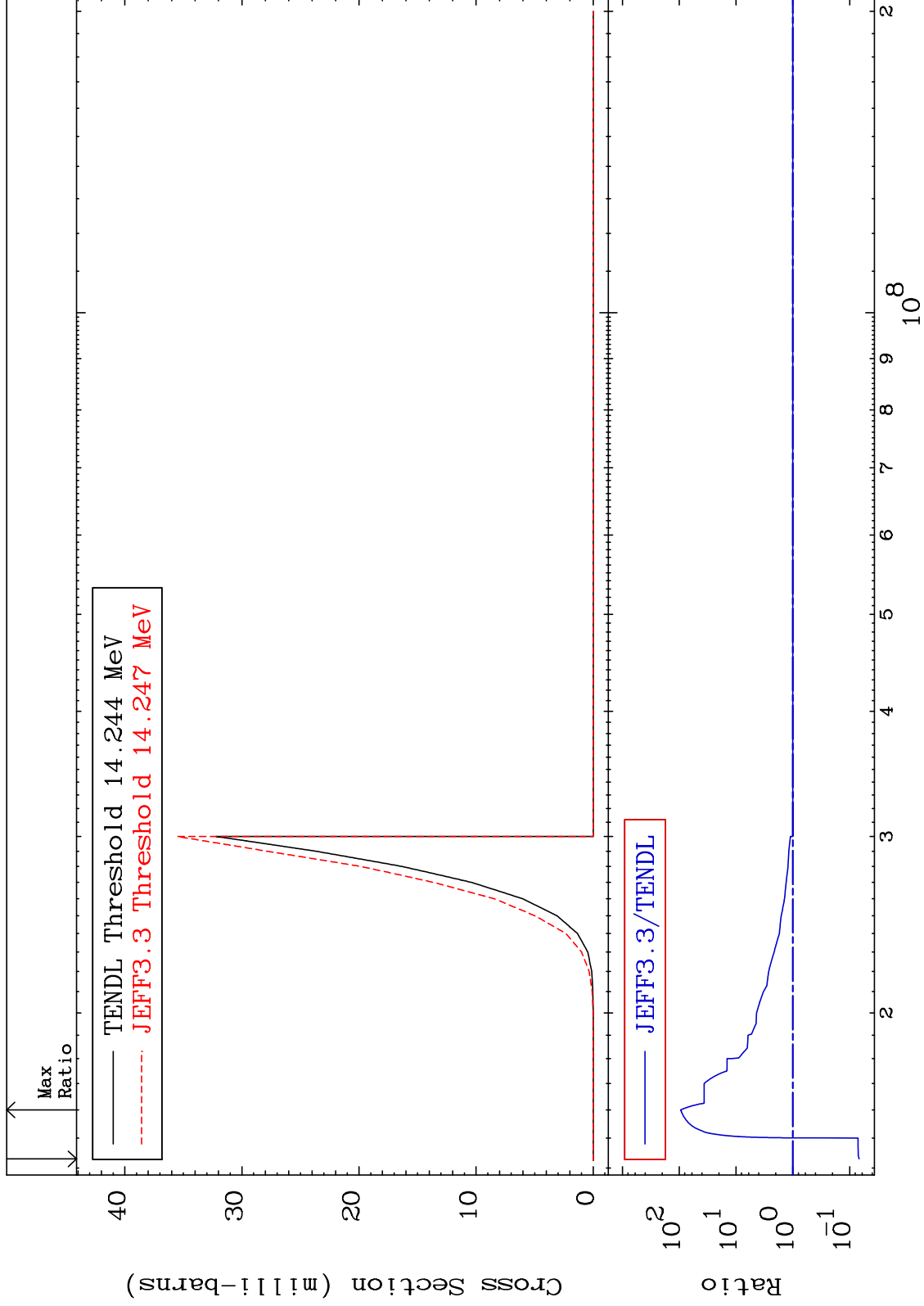
Incident Energy (MeV)

76-0s-184

MAT 7625

(n,2n) p
Cross Section

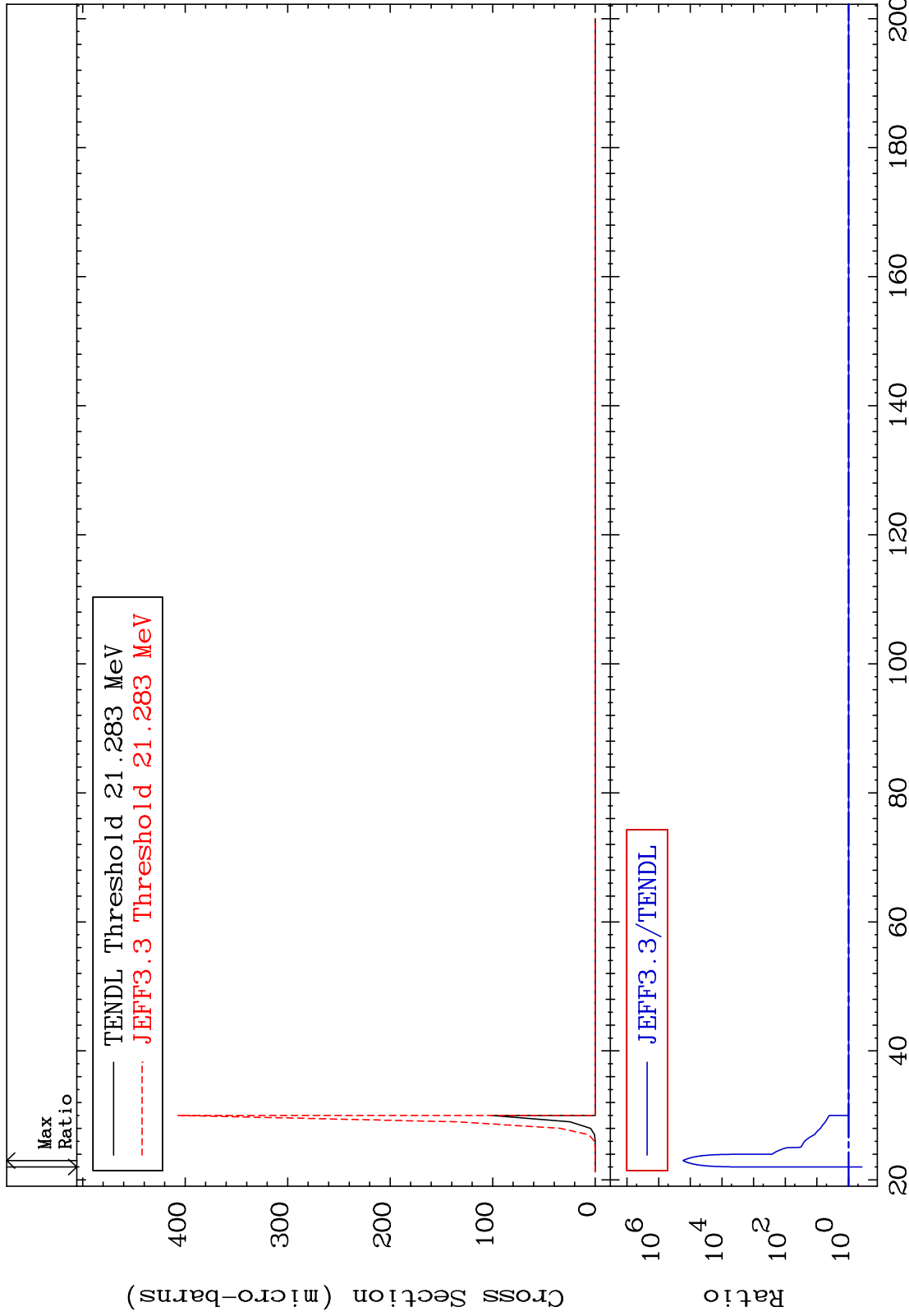
76-Os-184
-93.21 To 9369. %



MAT 7625

(n,3n) p
Cross Section

76-0s-184
-62.36 To 9999. %

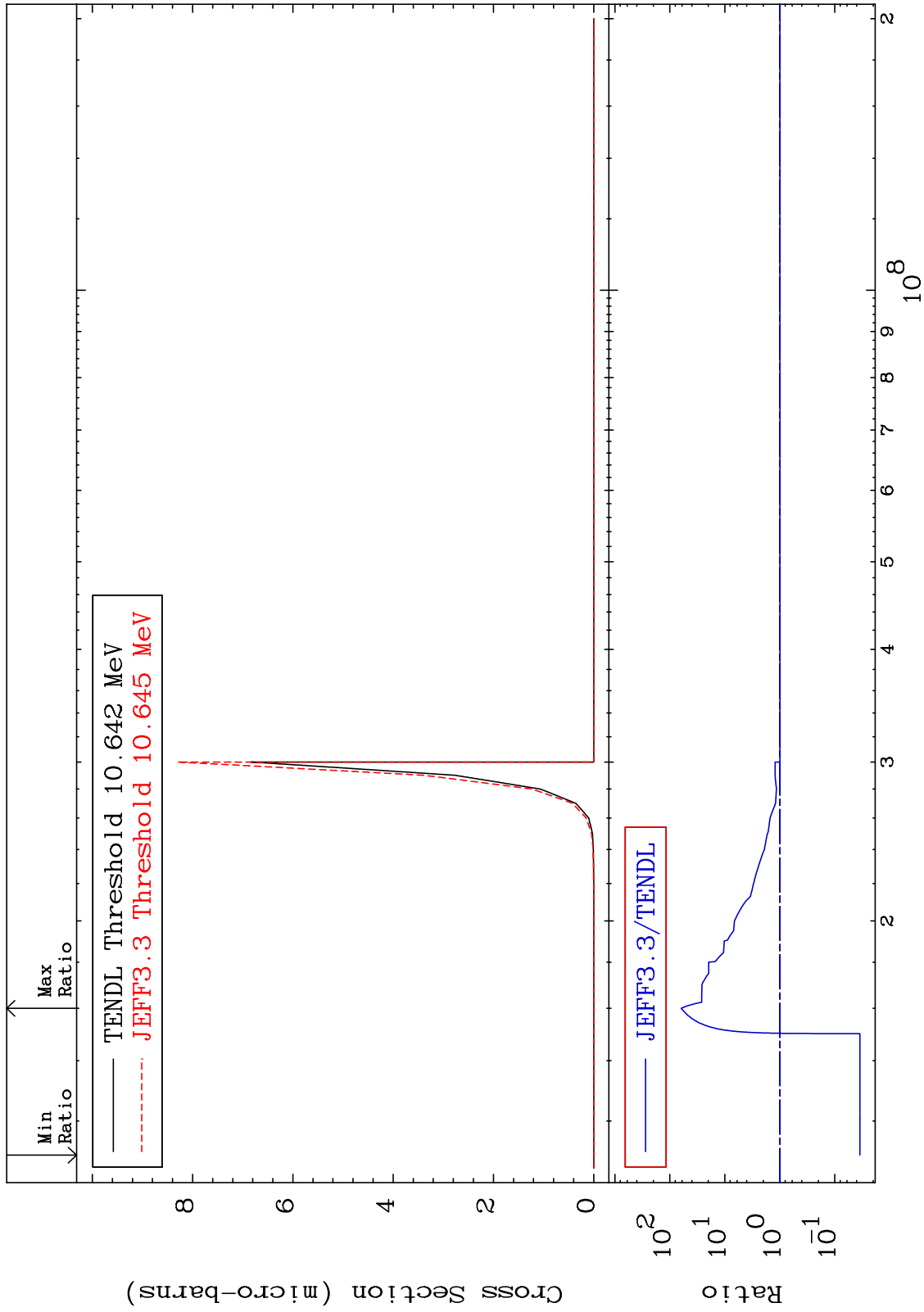


76-0s-184

MAT 7625

(n,2n) p
Cross Section

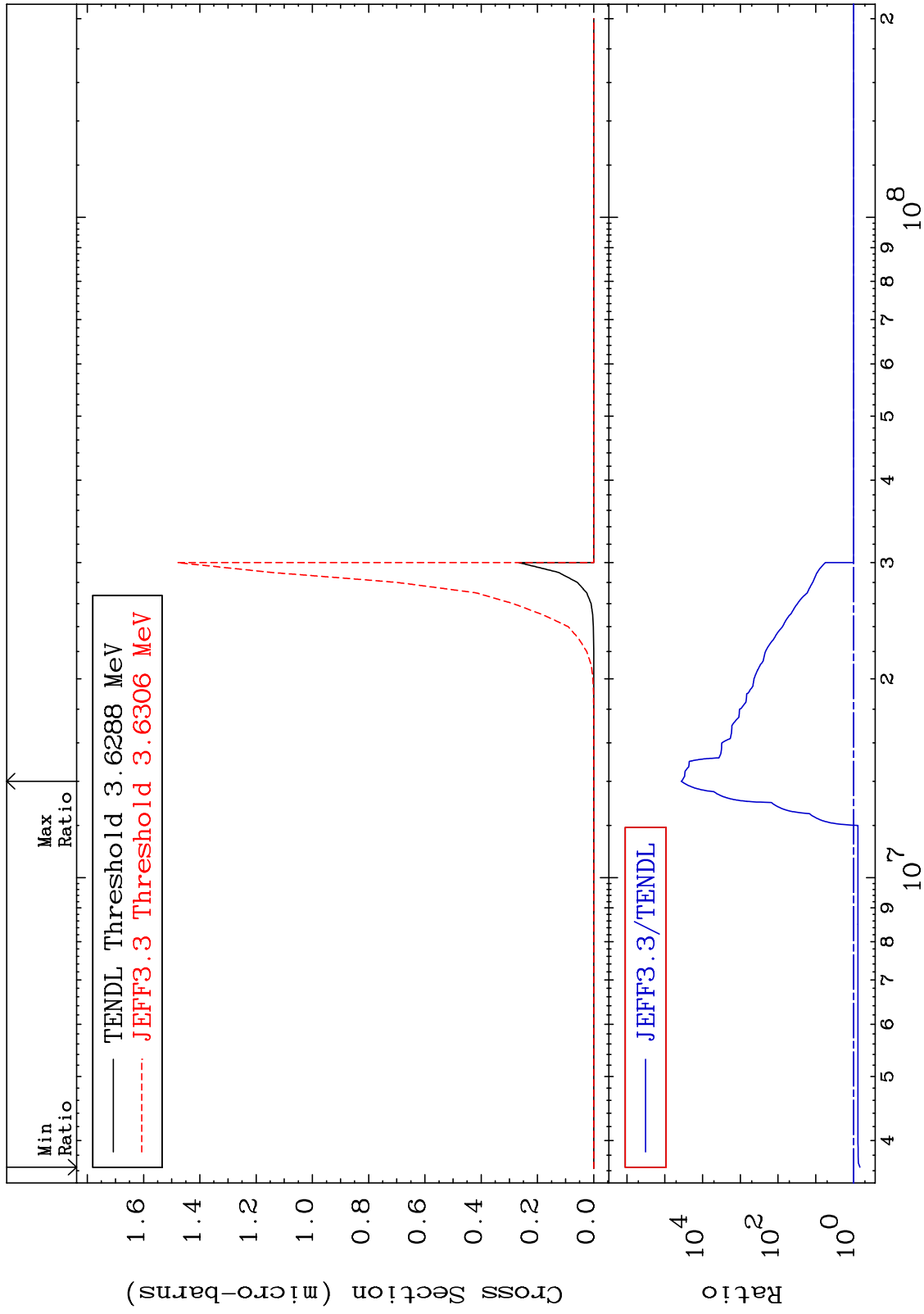
76-0s-184
-96.51 To 6118. %

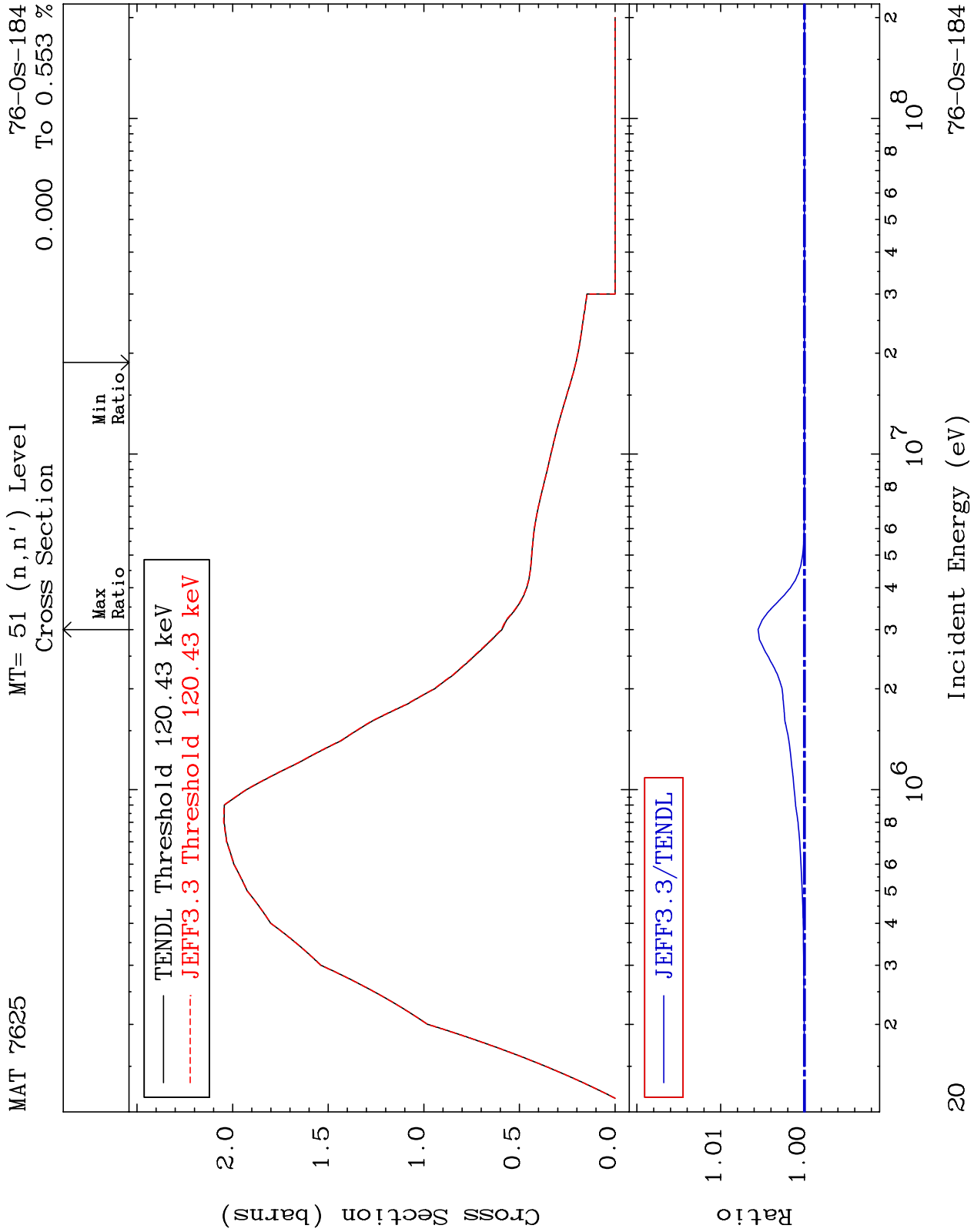


MAT 7625

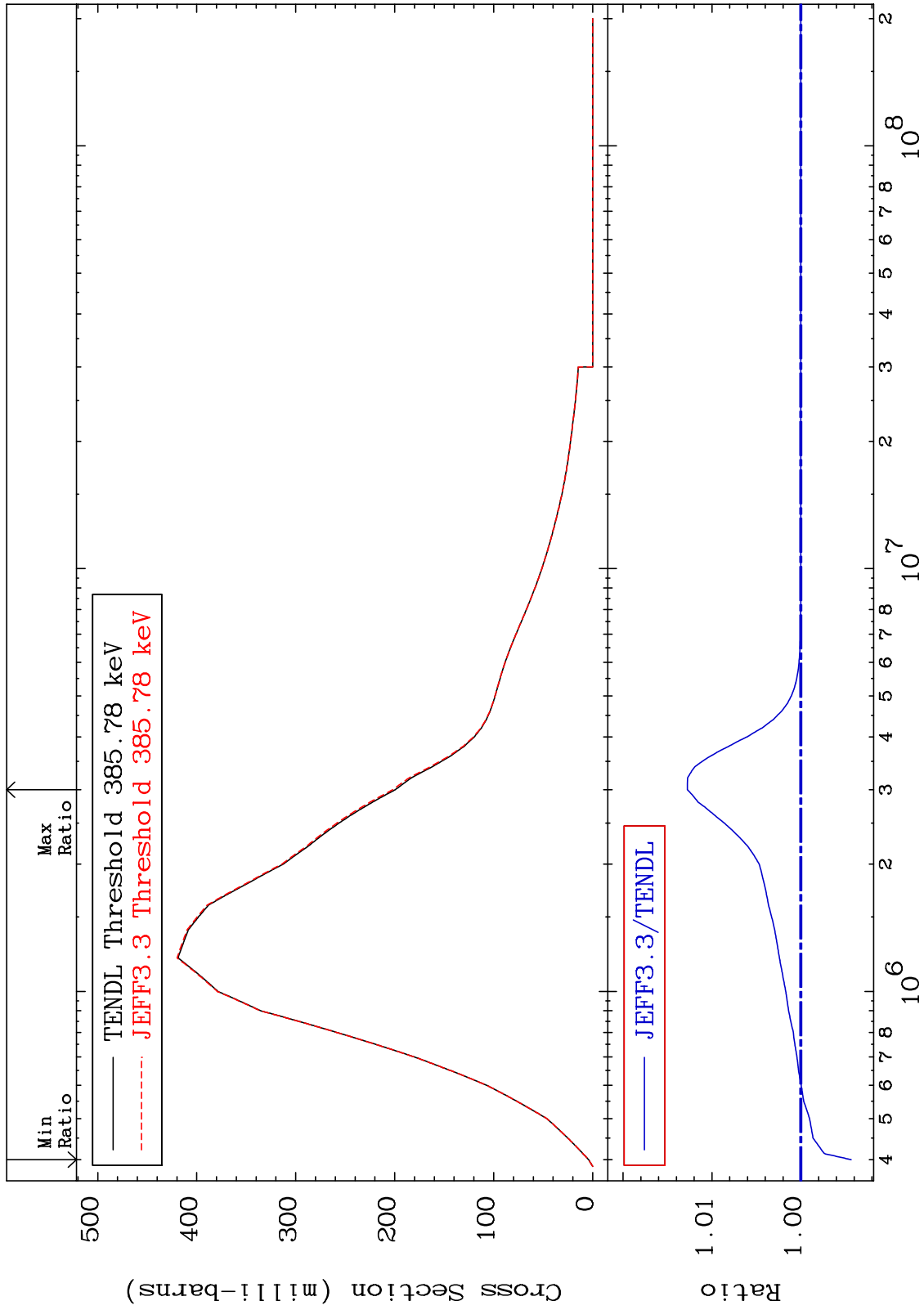
(n,n') p α
Cross Section

76-0s-184
-32.50 To 9999. %





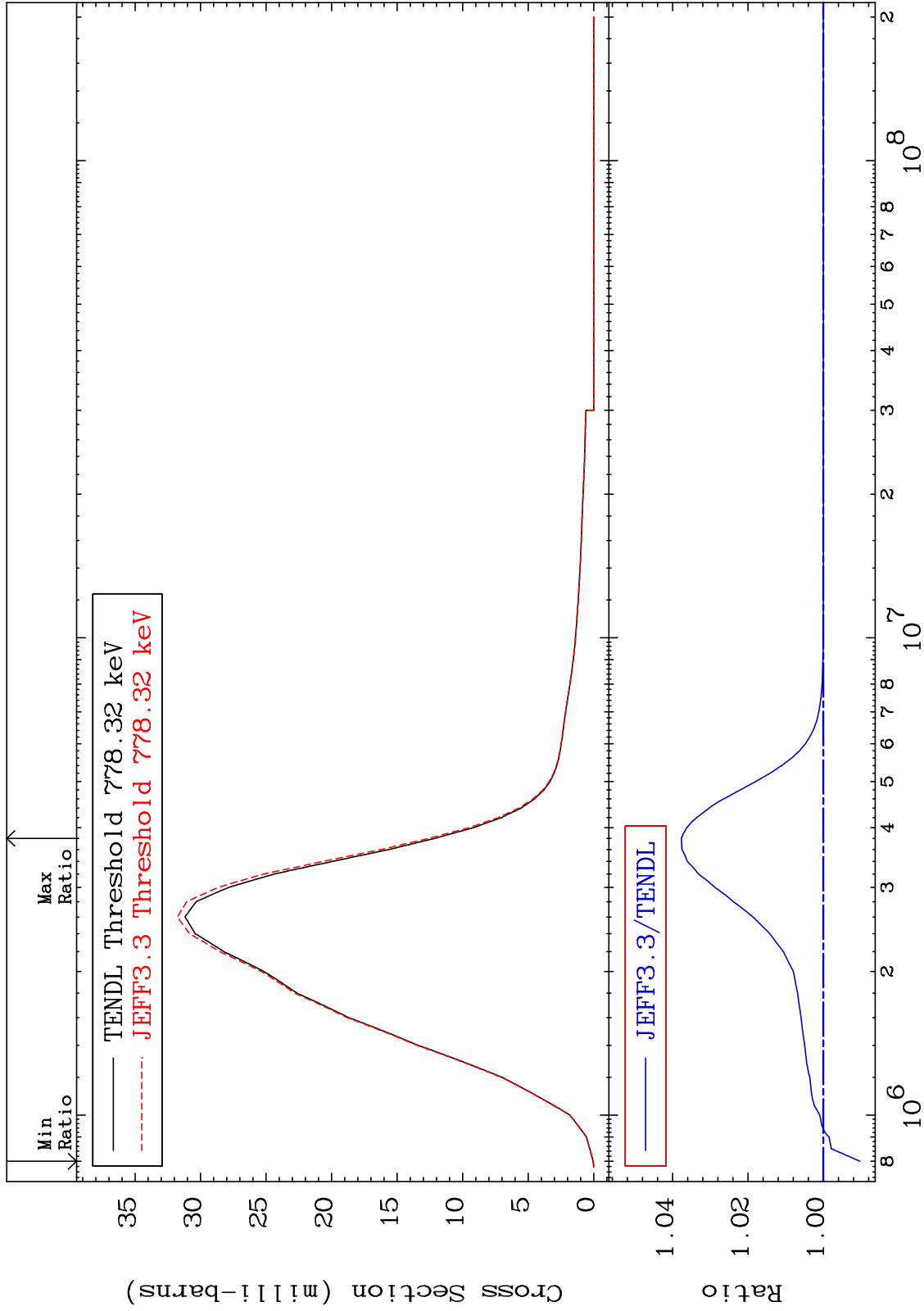
MAT 7625 MT= 52 (n,n') Level Cross Section 76-0s-184 -0.566 To 1.276 %



MAT 7625

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

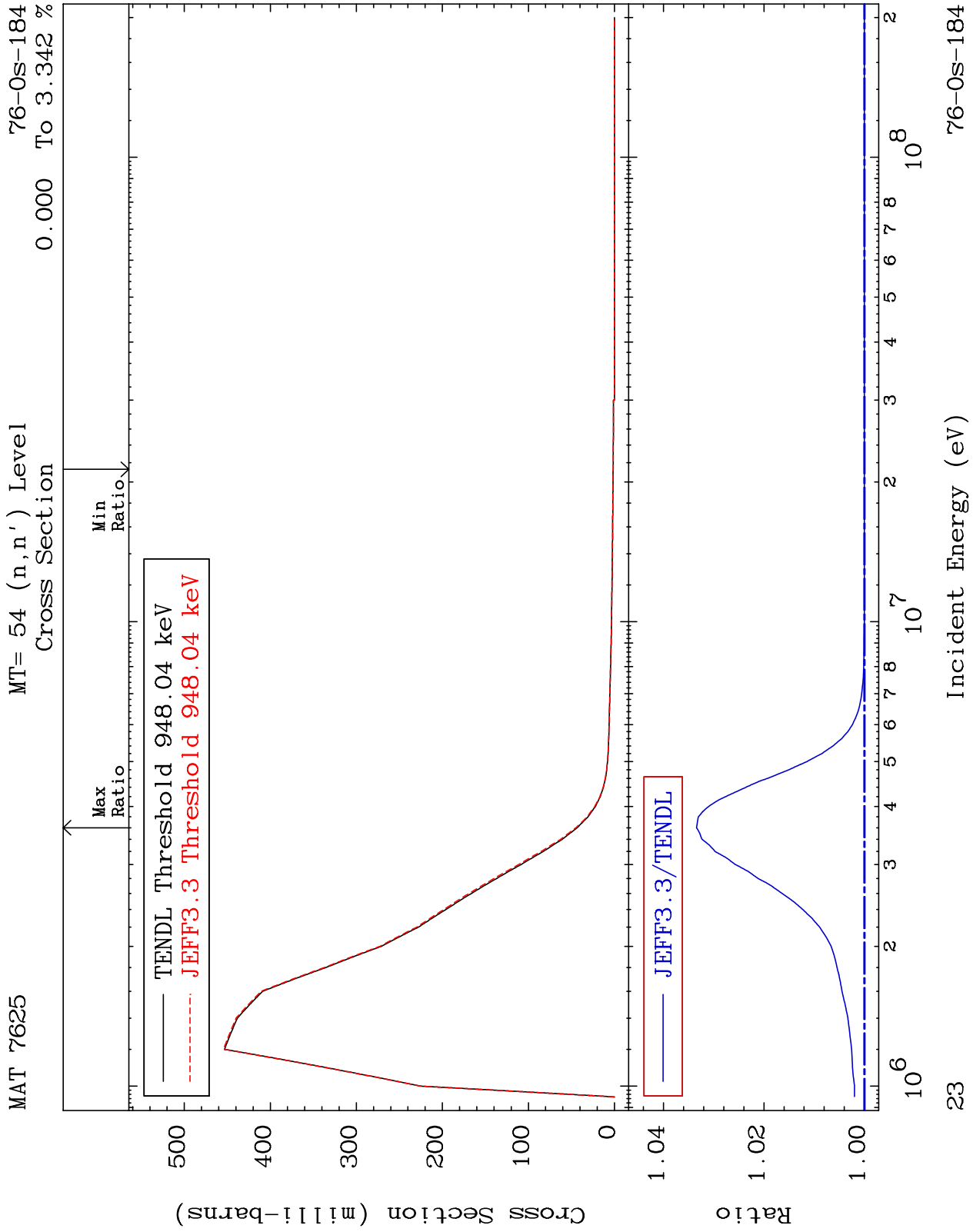
76-0s-184
-0.972 To 3.772 %



22

Incident Energy (eV)

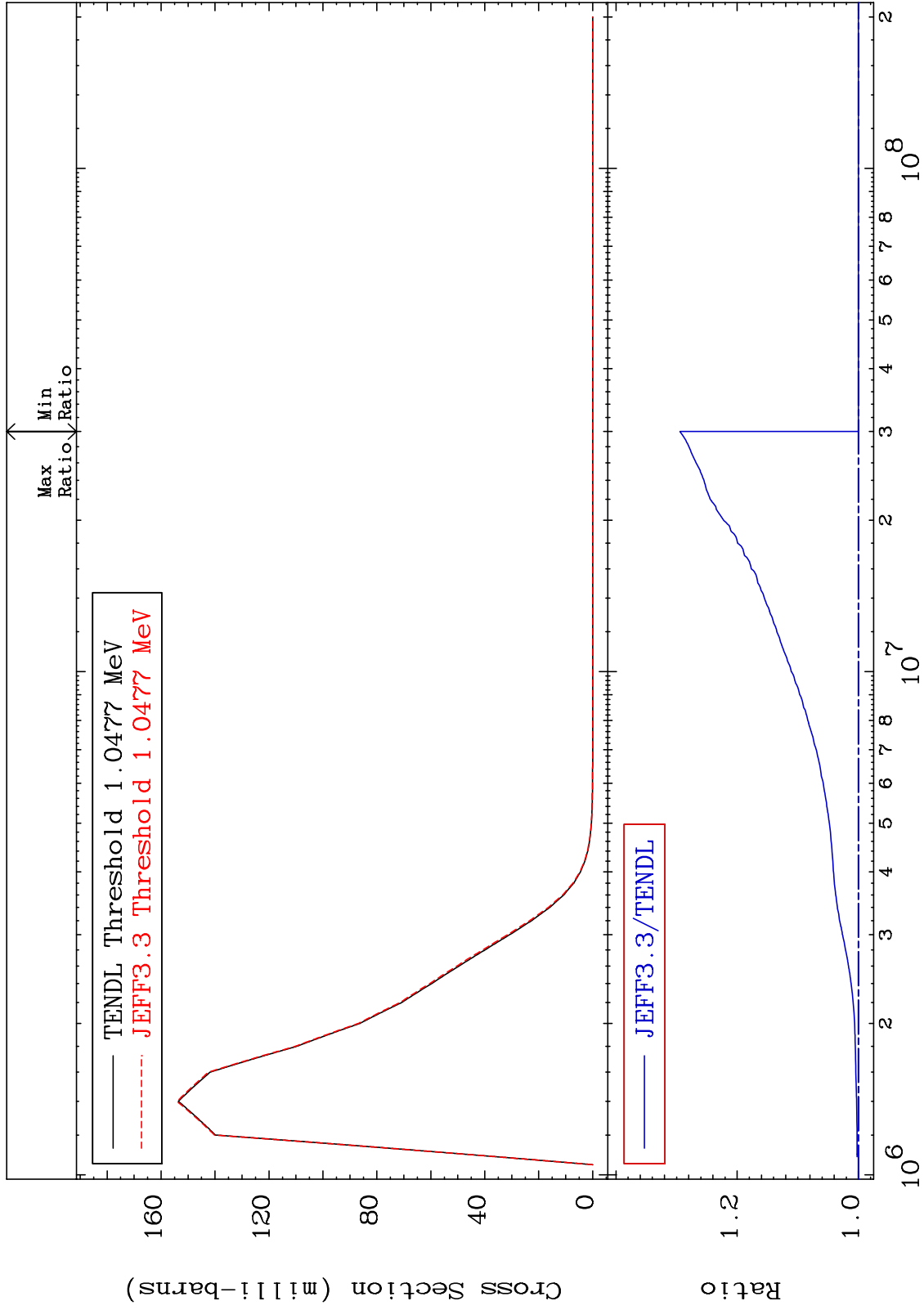
76-0s-184



MAT 7625

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

76-0s-184
0.000 To 29.44 %



24

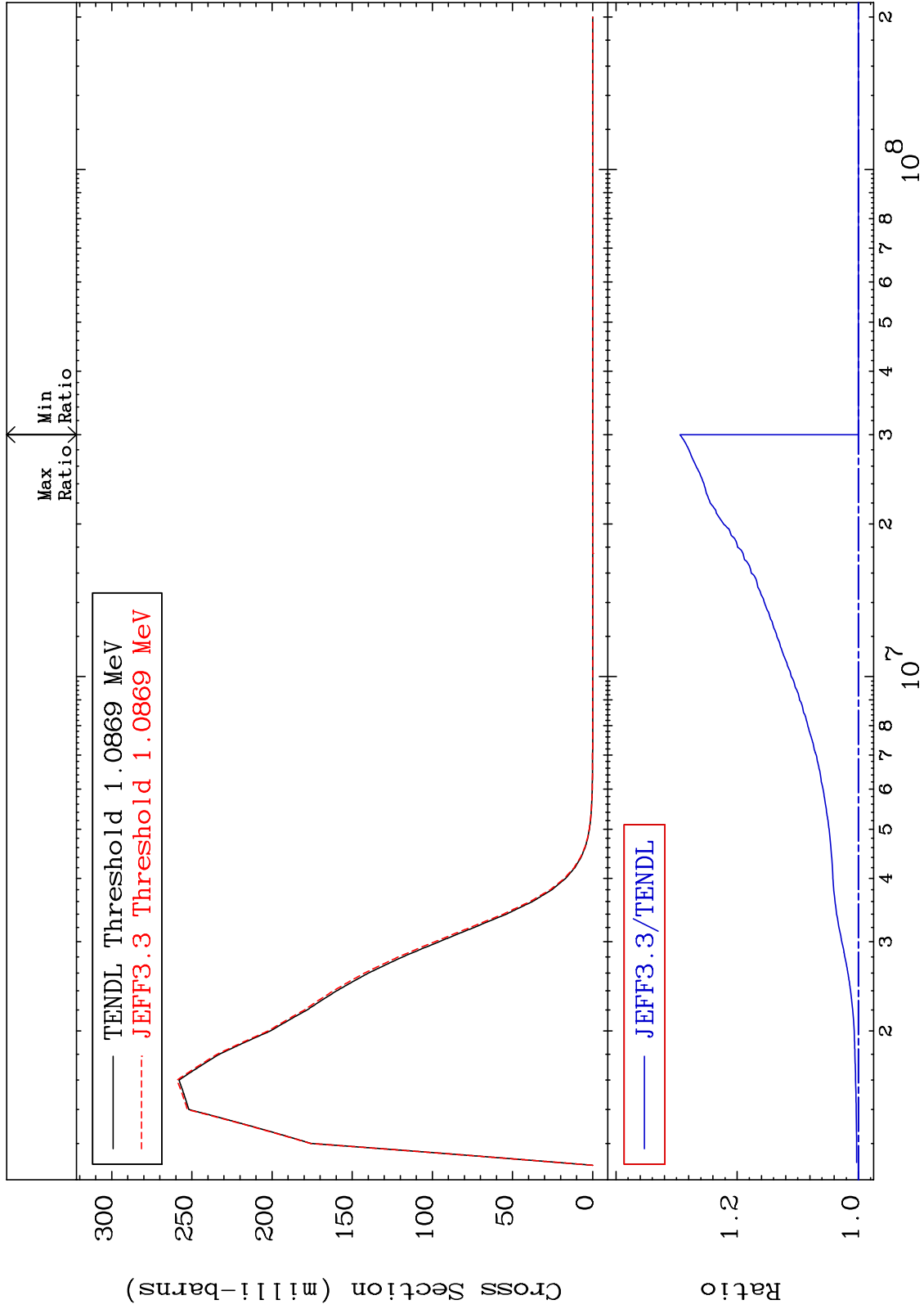
Incident Energy (eV)

76-0s-184

MAT 7625

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

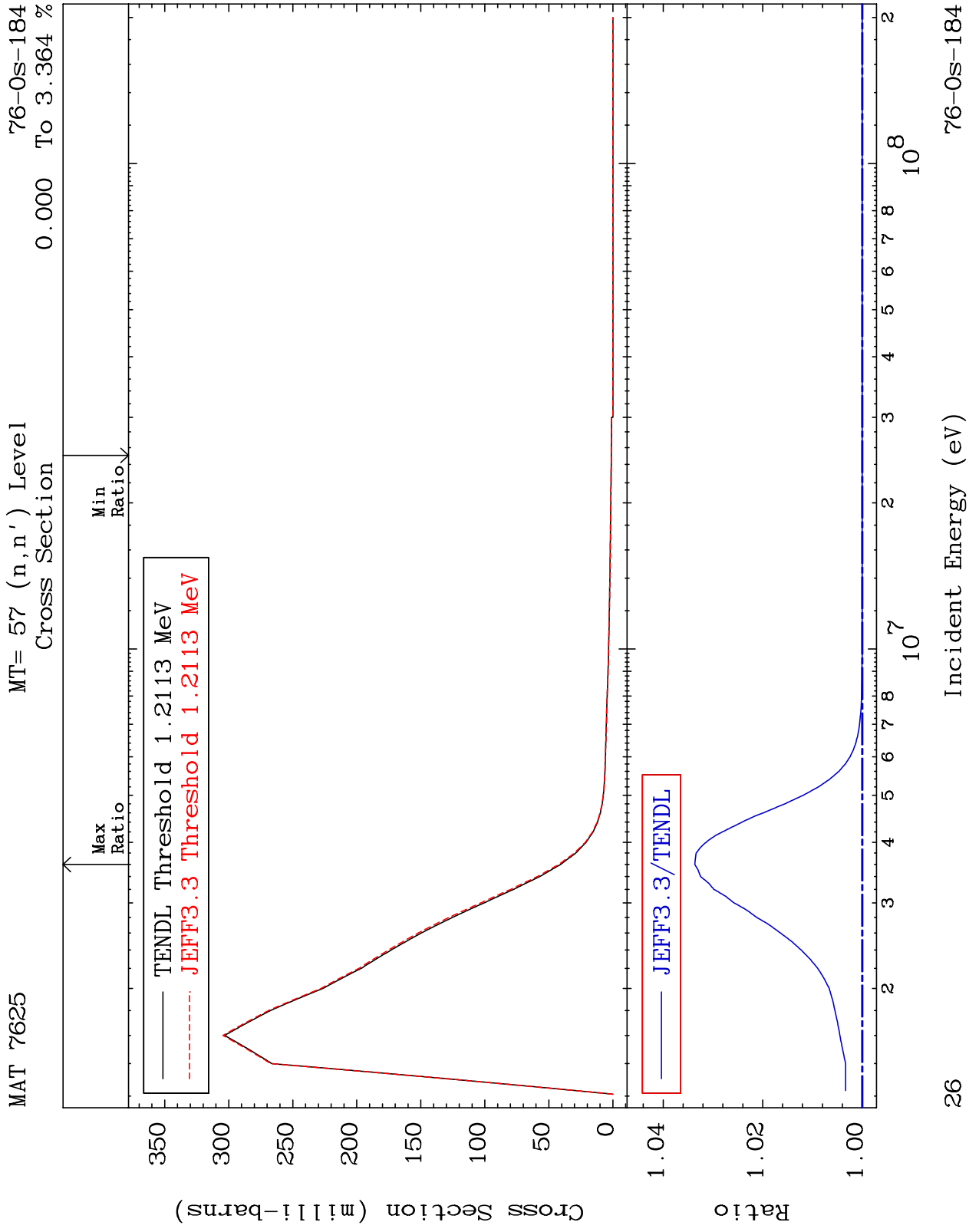
76-0s-184
0.000 To 29.43 %



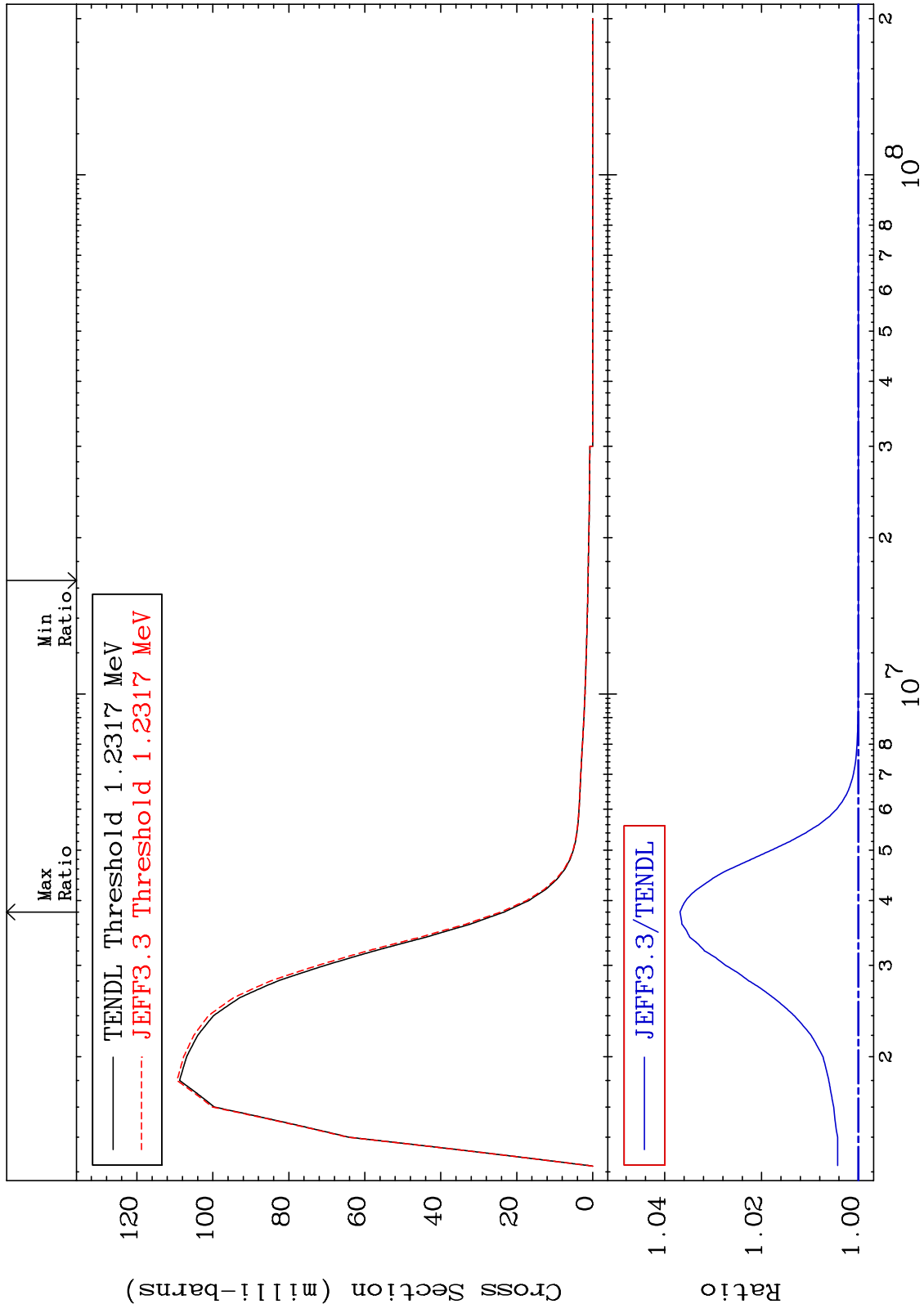
25

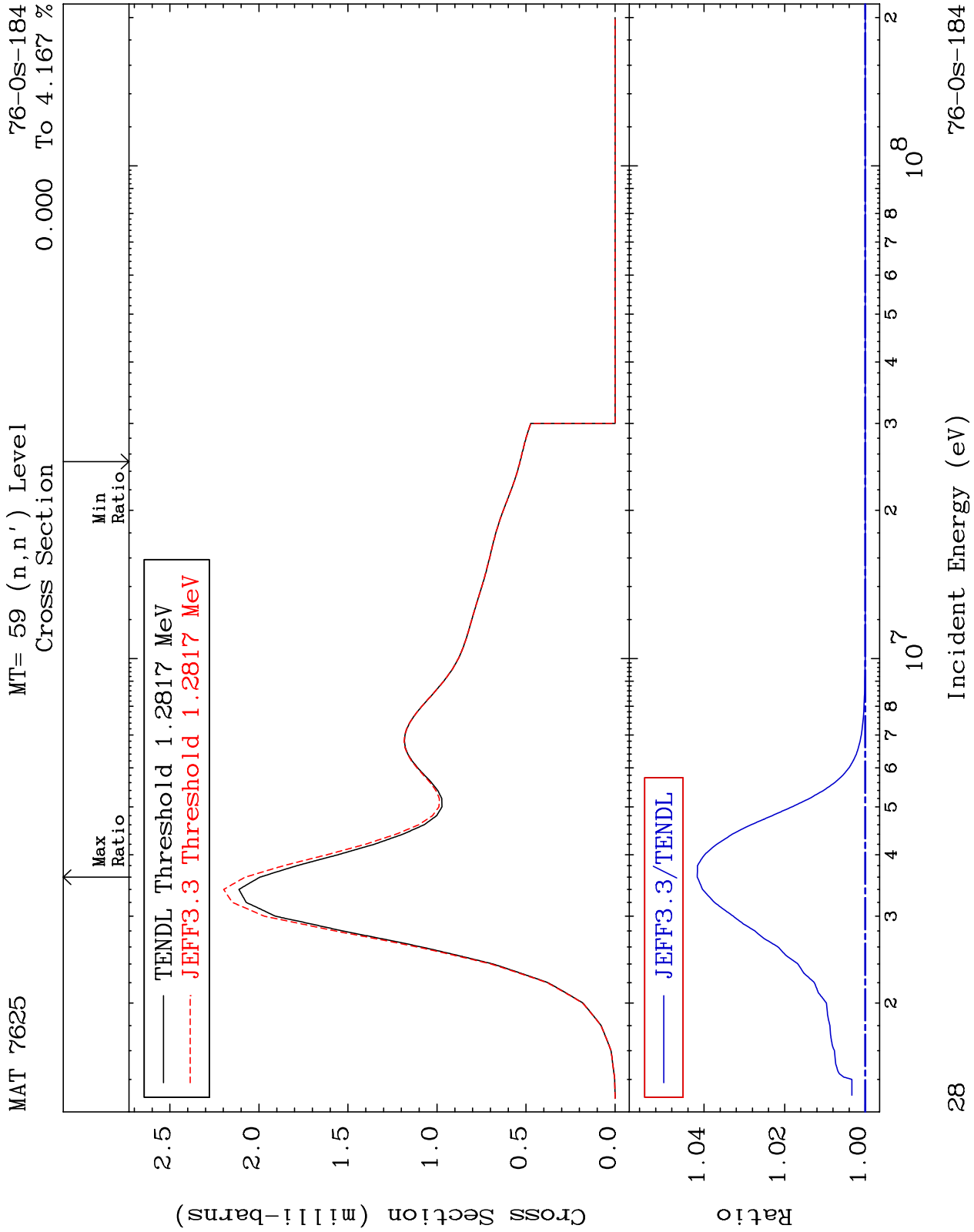
Incident Energy (eV)

76-0s-184

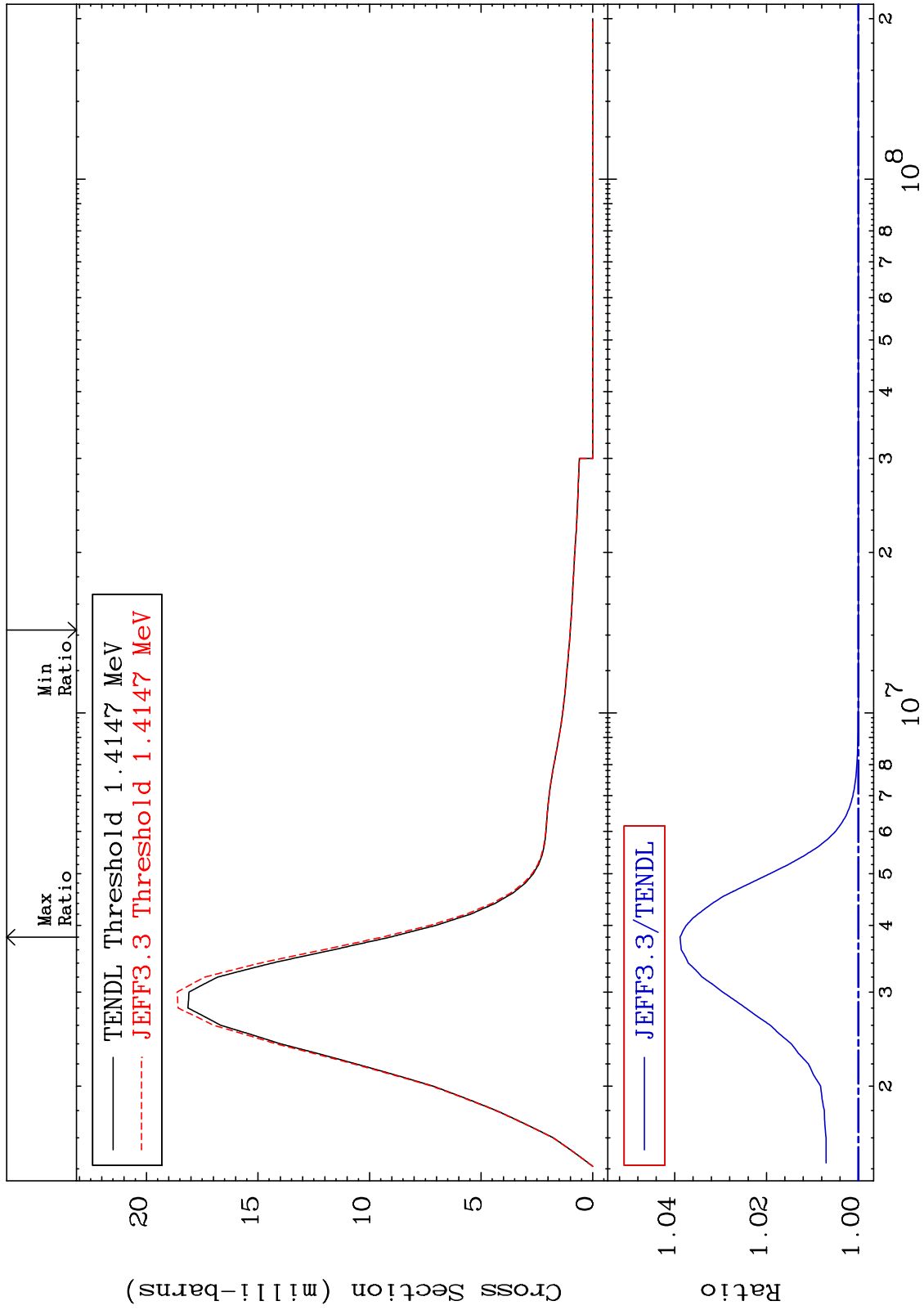


MAT 7625 MT= 58 (n,n') Level Cross Section 76-0s-184 To 3.685 %
 0.000





MAT 7625 MT= 60 (n,n') Level Cross Section 76-0s-184 To 3.883 %

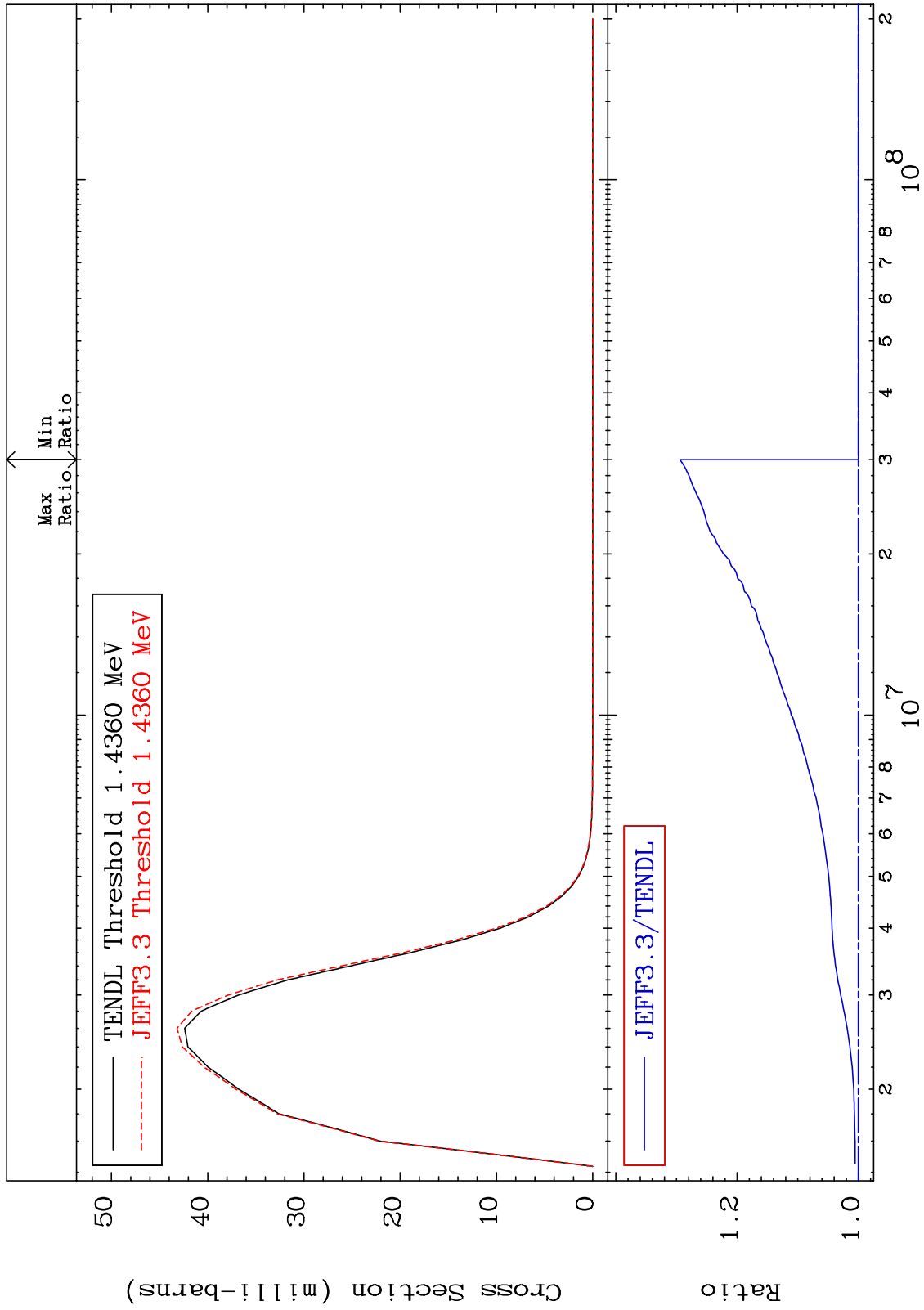


Incident Energy (eV) 76-0s-184

MAT 7625

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

76-0s-184
0.000 To 29.42 %



30

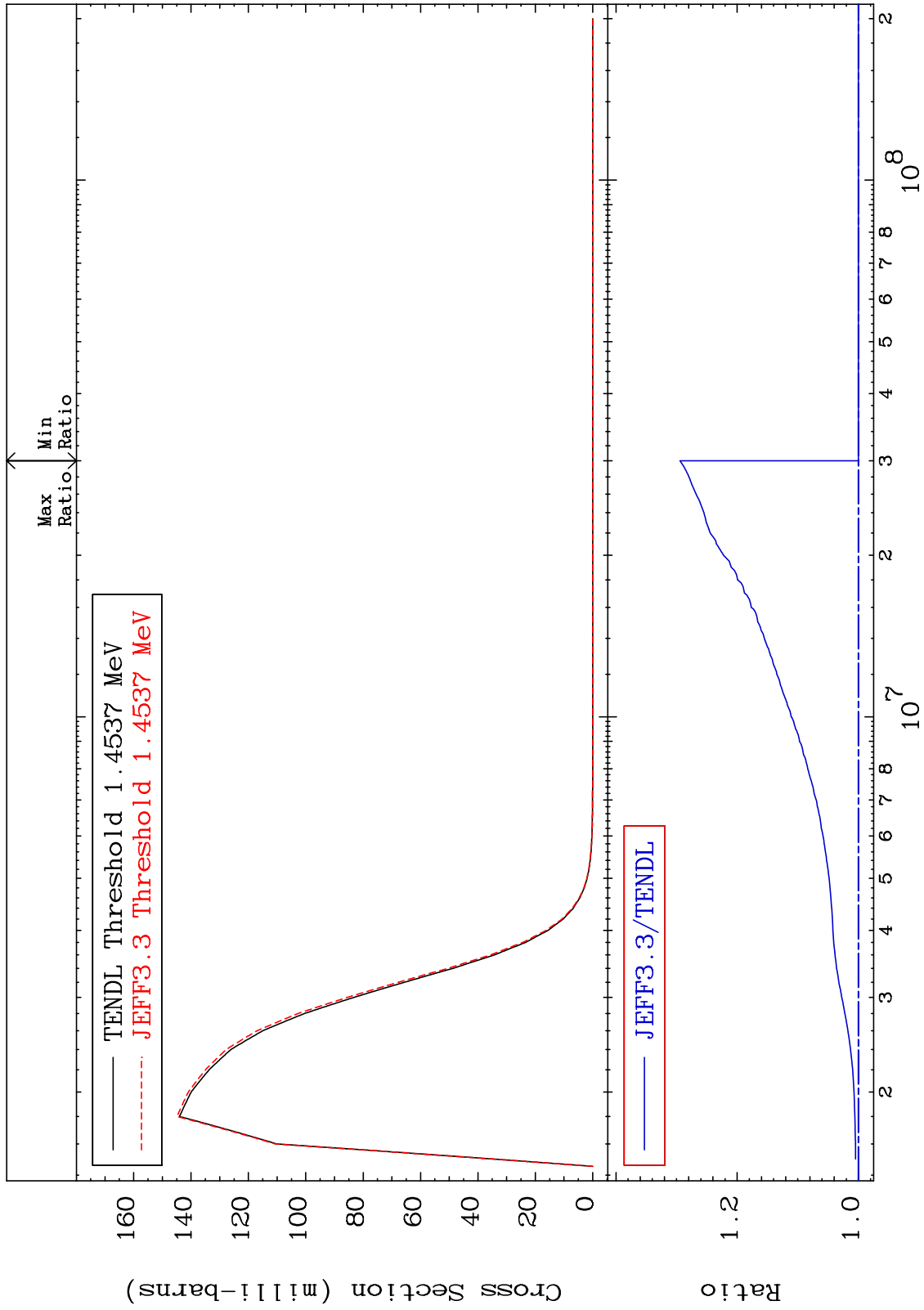
Incident Energy (eV)

76-0s-184

MAT 7625

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

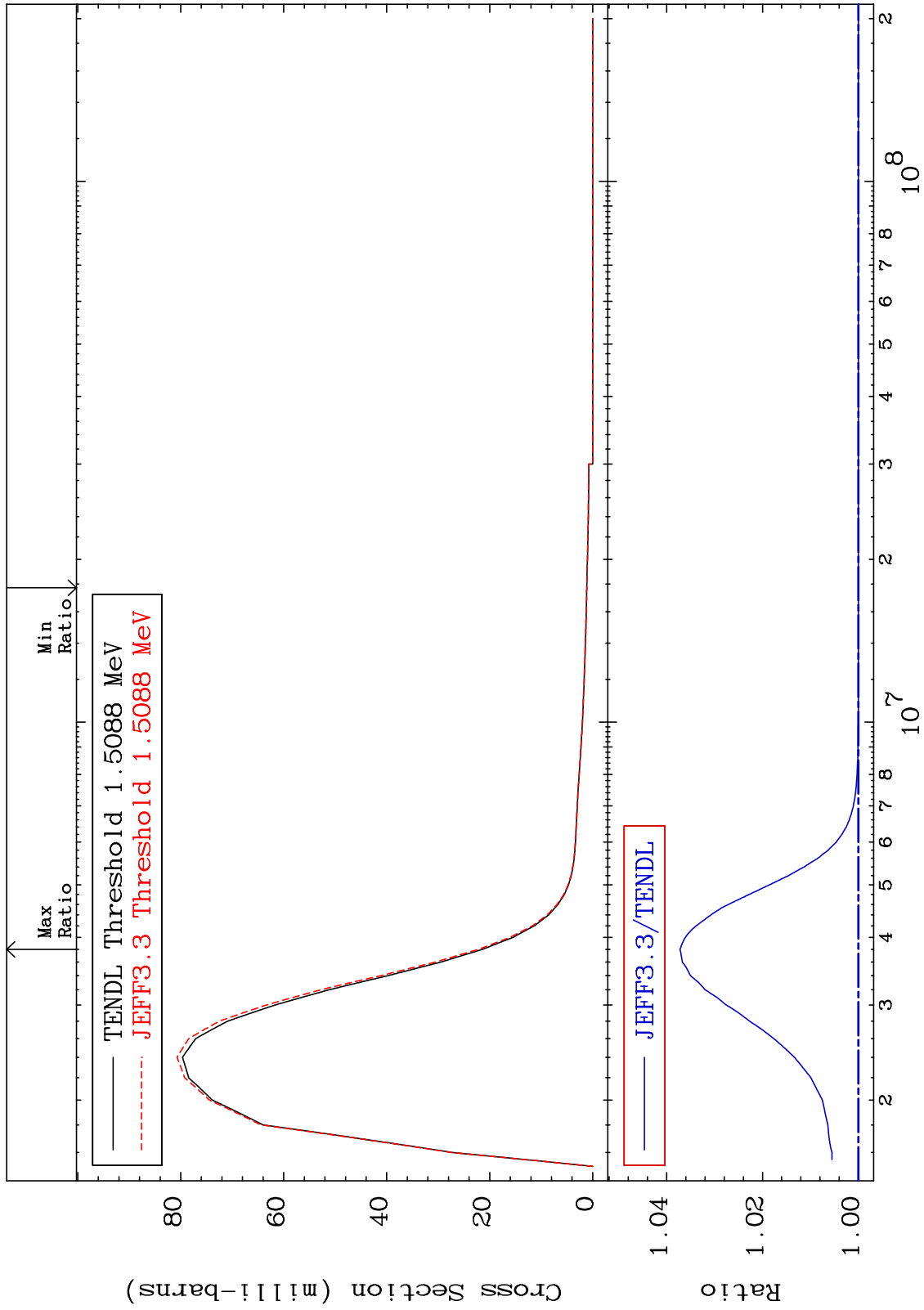
76-0s-184
0.000 To 29.43 %



MAT 7625

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

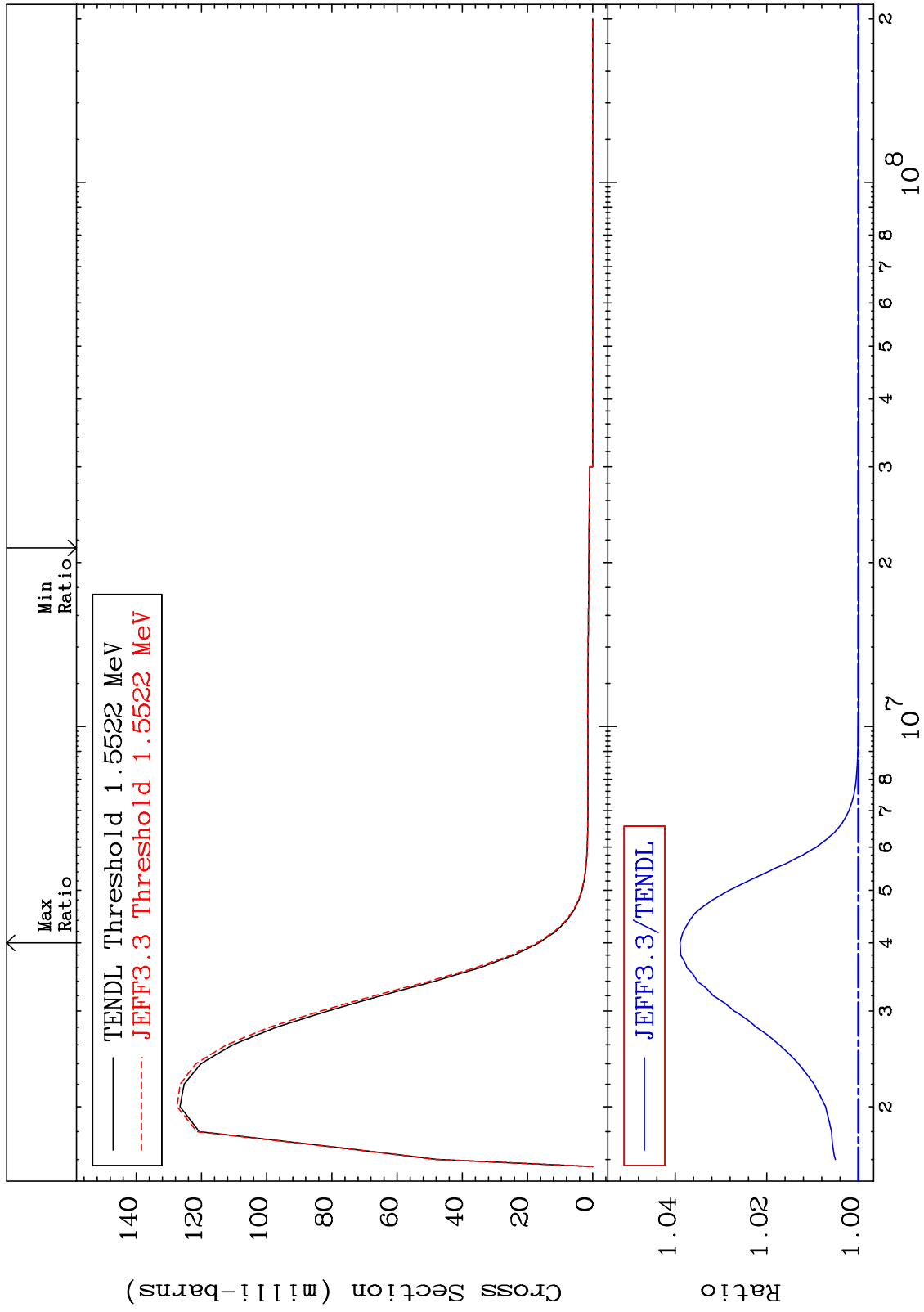
76-0s-184
0.000 To 3.721 %

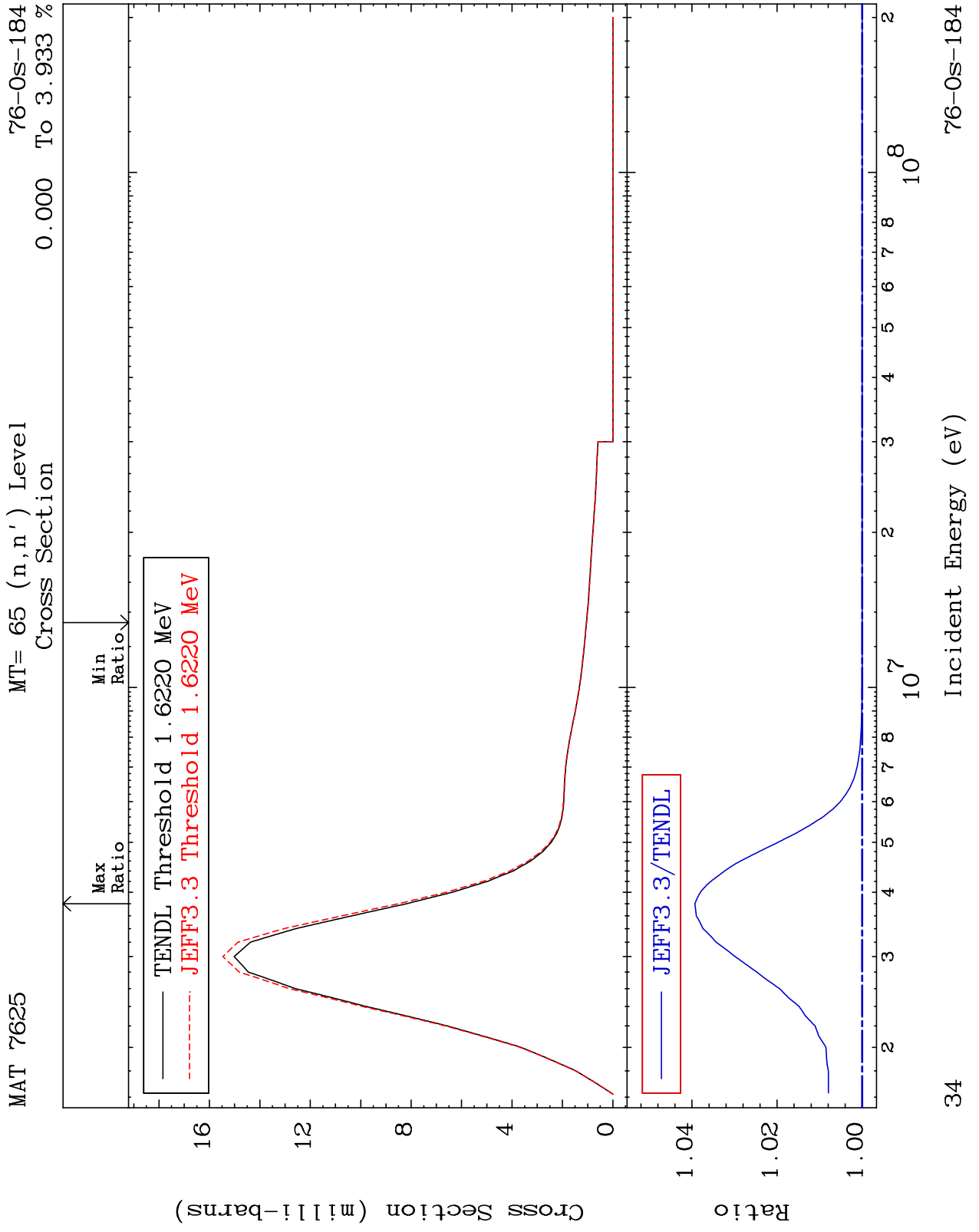


MAT 7625

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

76-0s-184
0.000 To 3.895 %

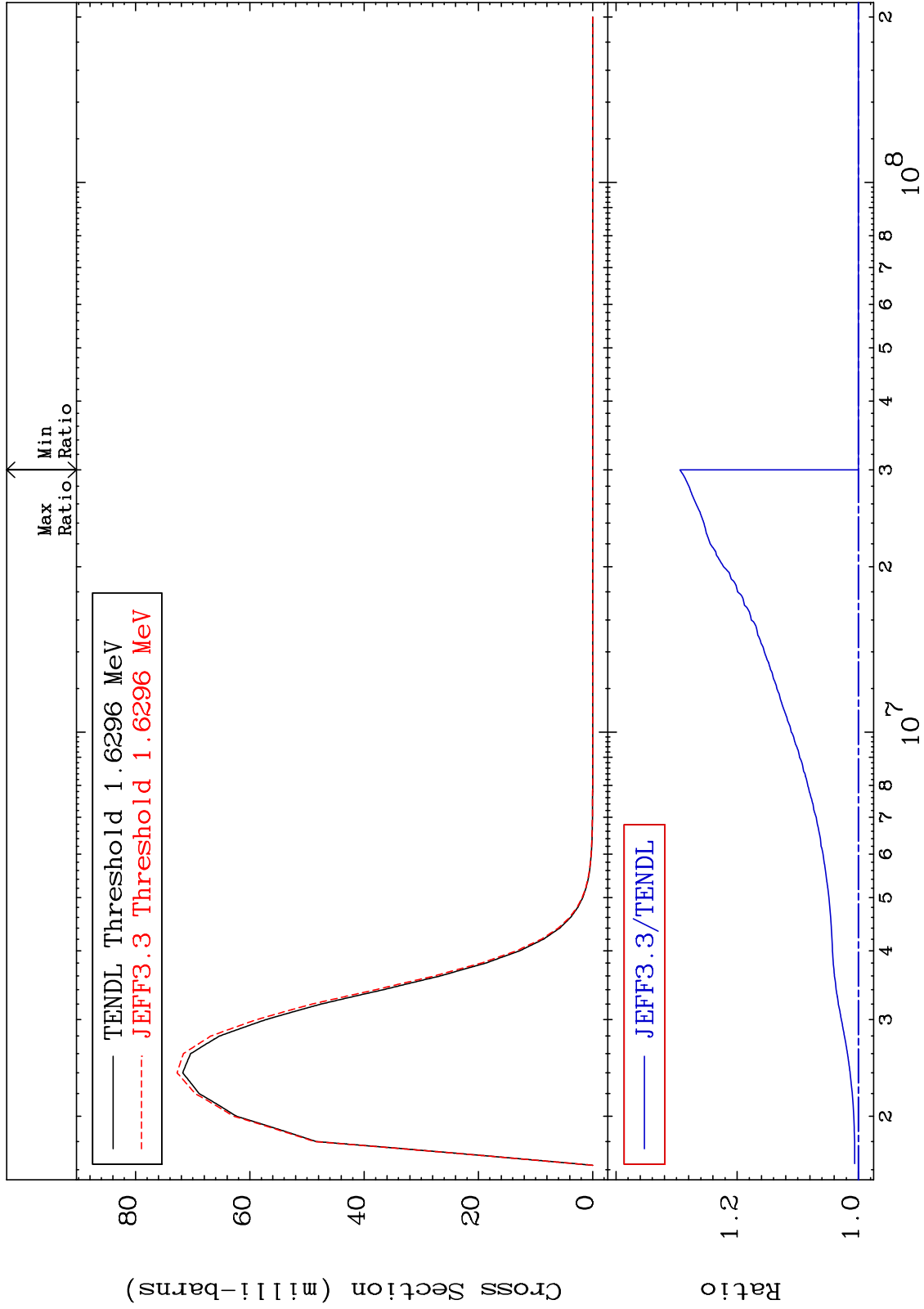




MAT 7625

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

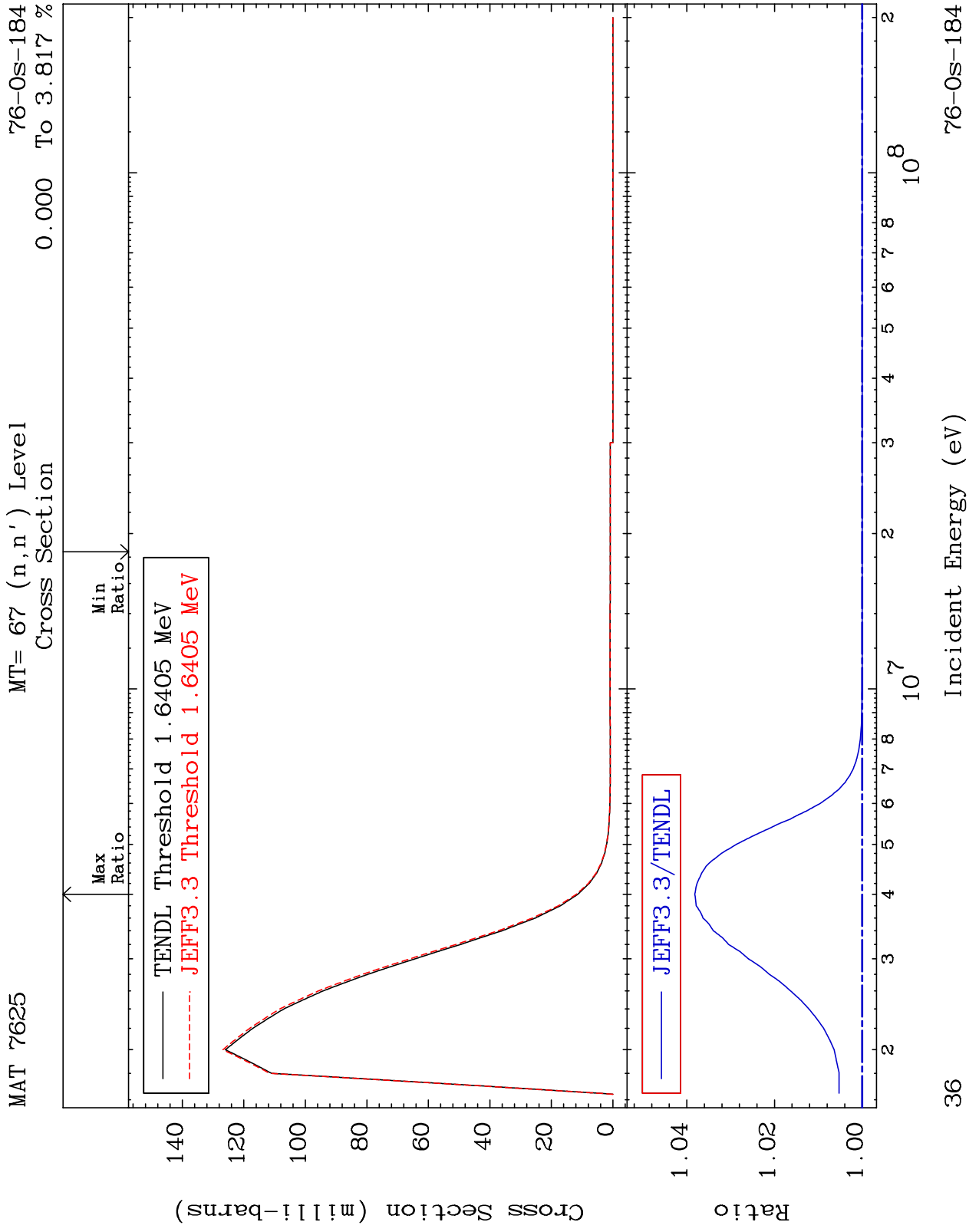
76-0s-184
0.000 To 29.43 %



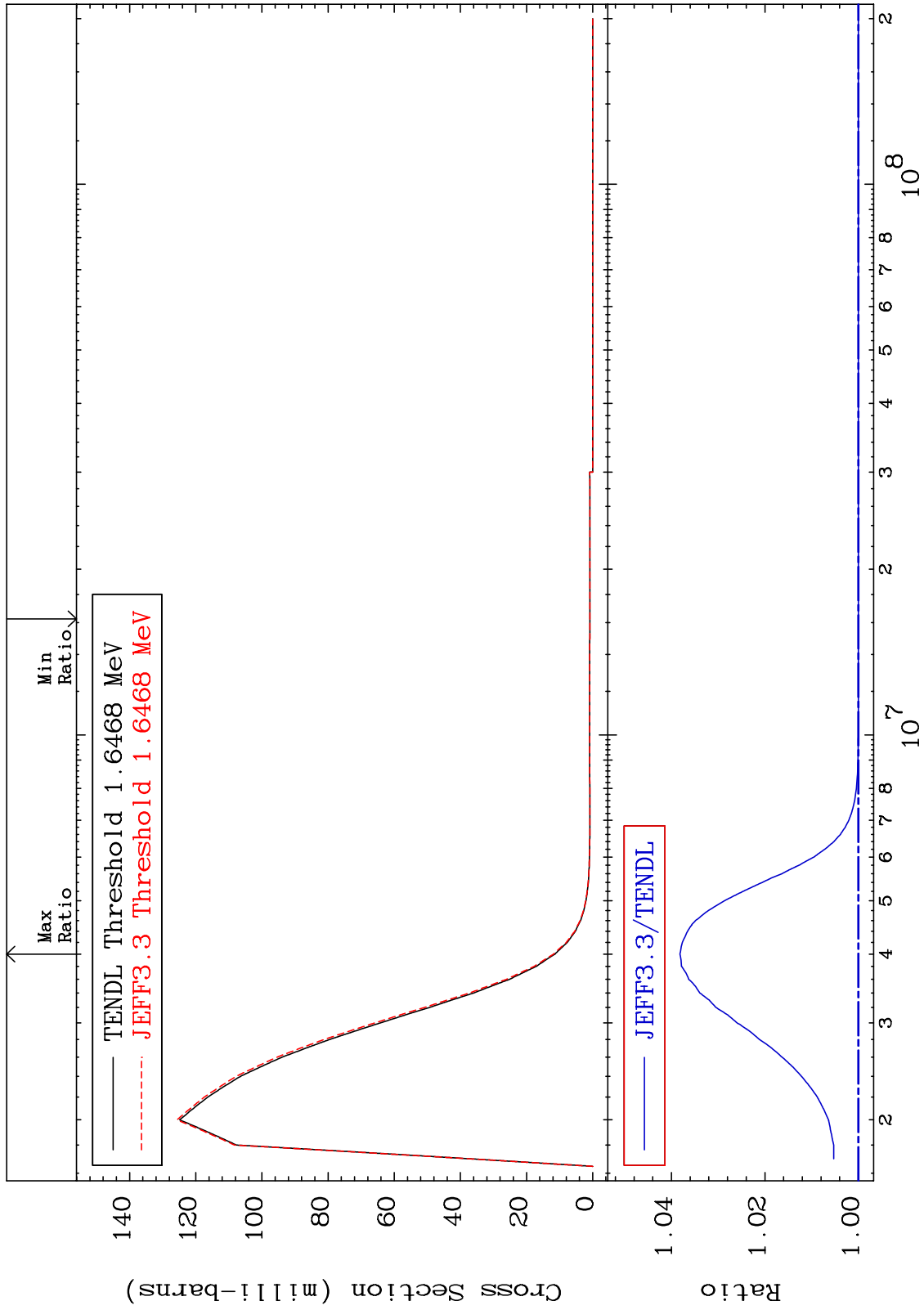
35

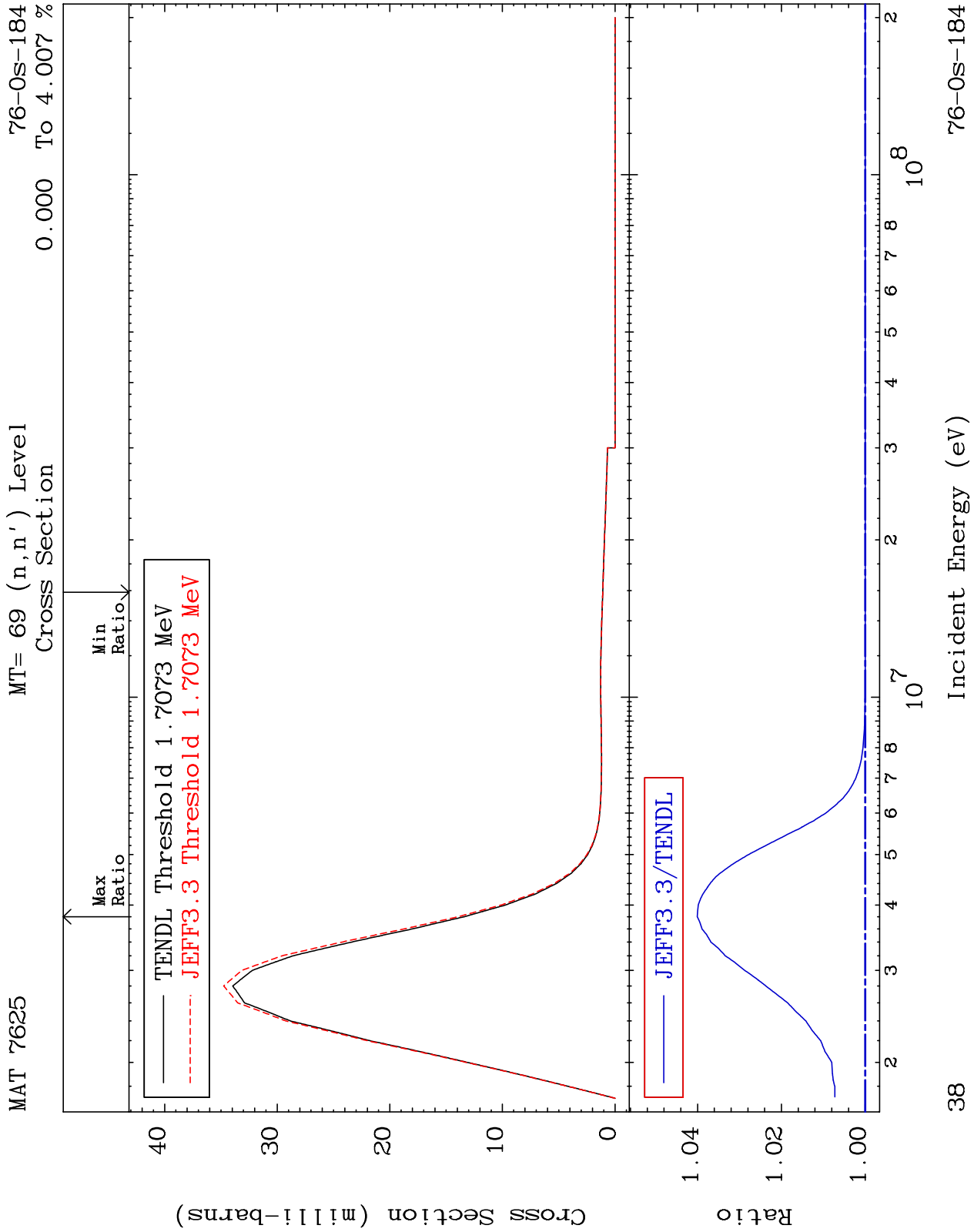
Incident Energy (eV)

76-0s-184



MAT 7625 MT= 68 (n,n') Level Cross Section 76-0s-184 To 3.817 %

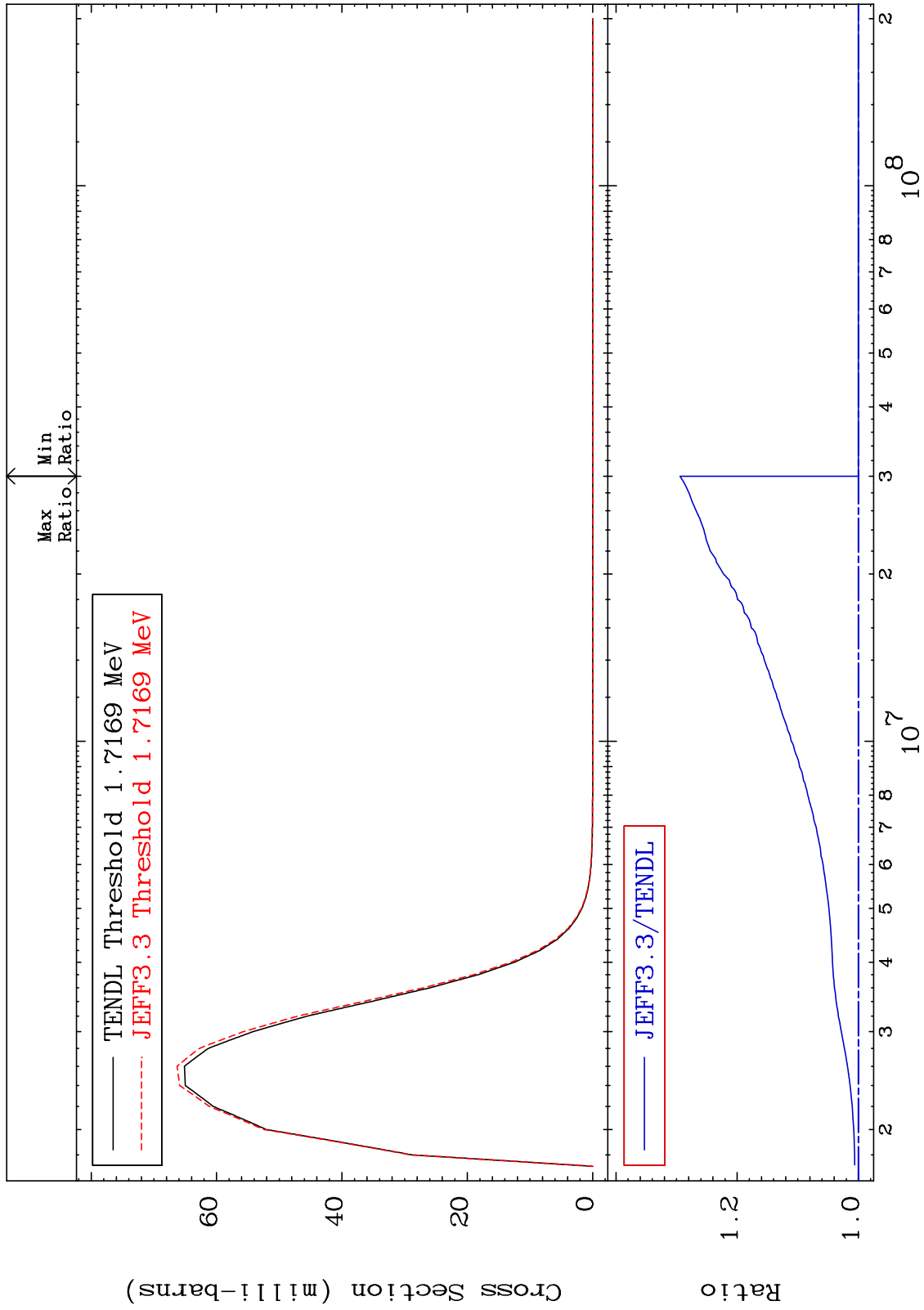


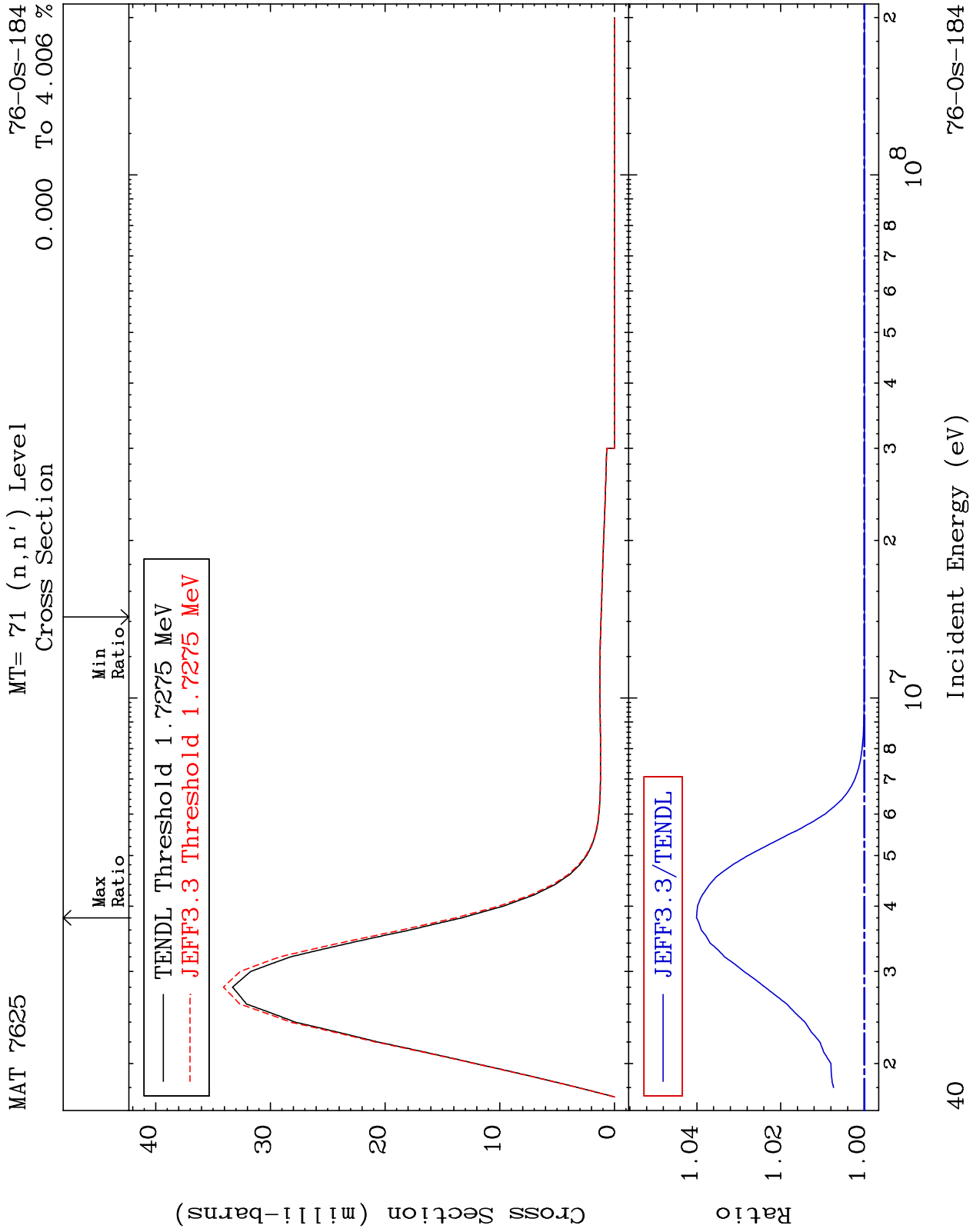


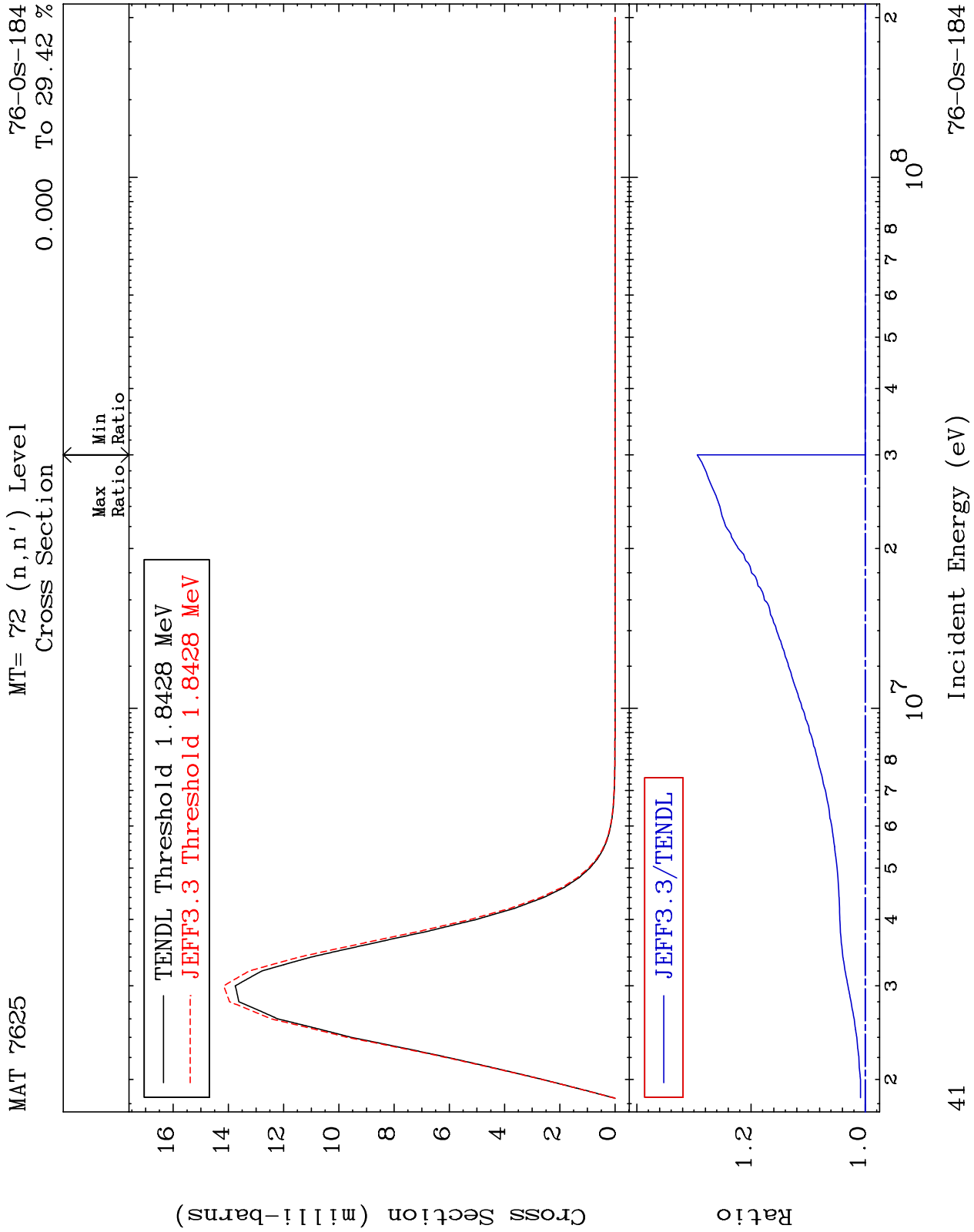
MAT 7625

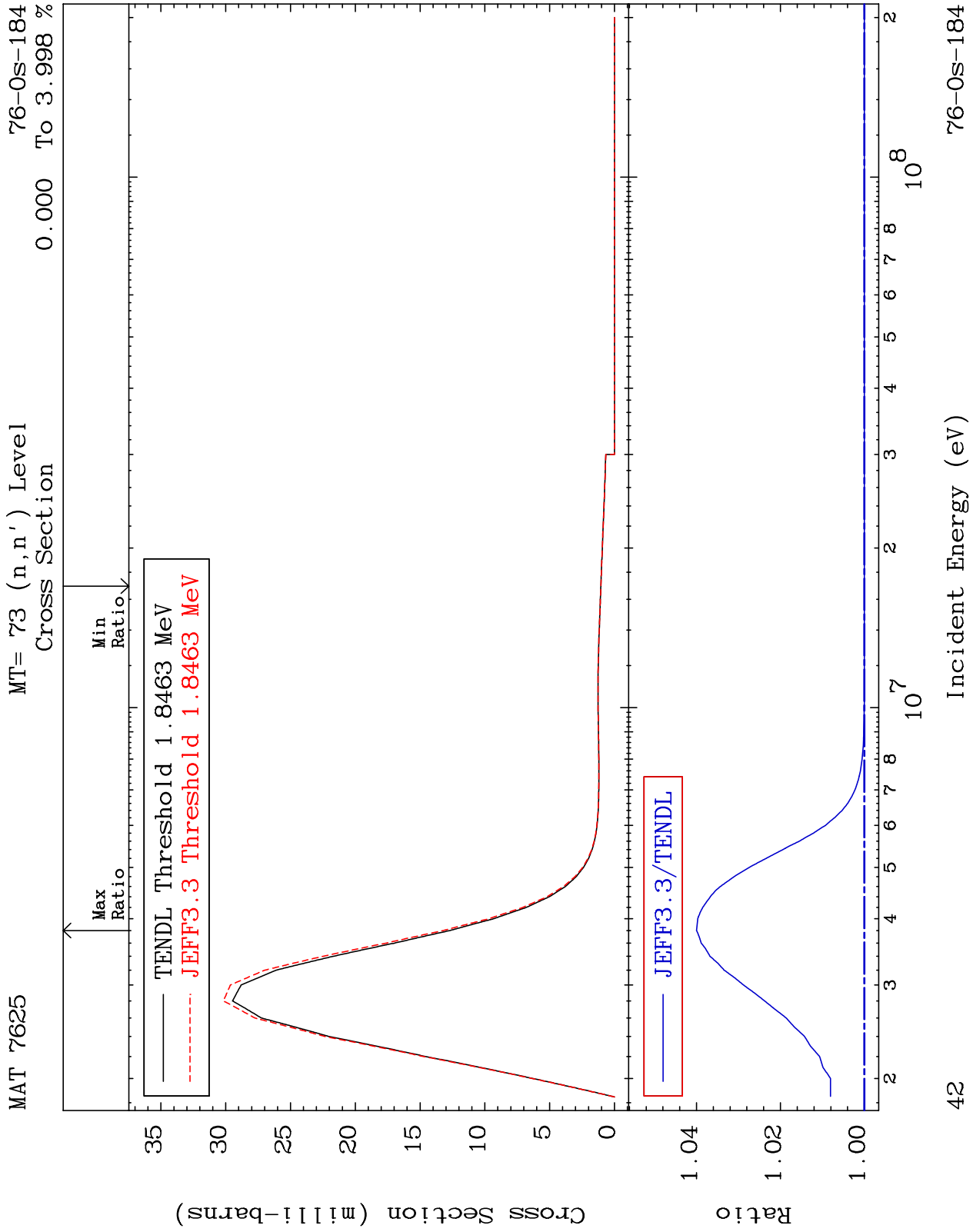
MT= 70 (n,n') Level
Cross Section

76-0s-184
0.000 To 29.43 %

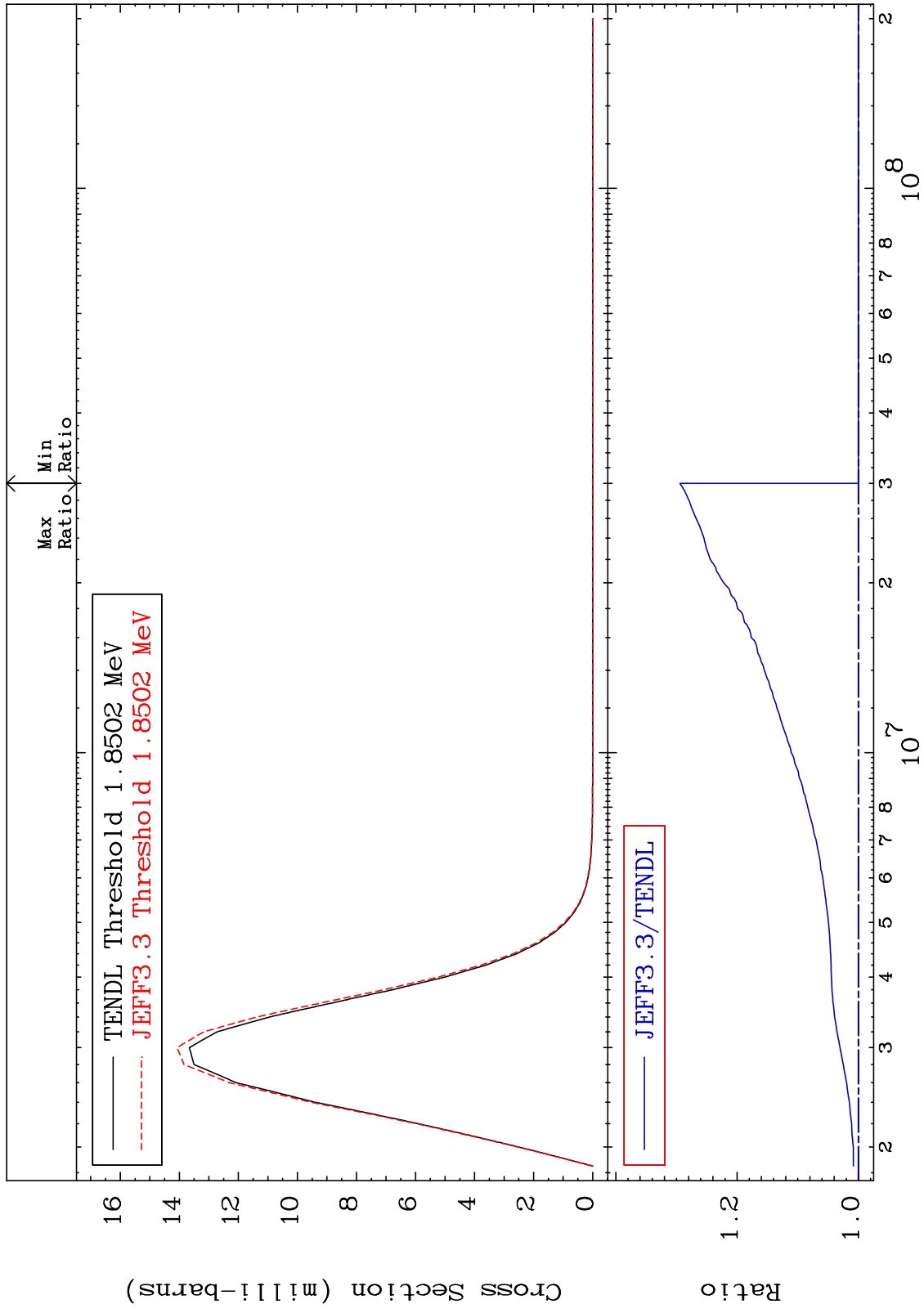


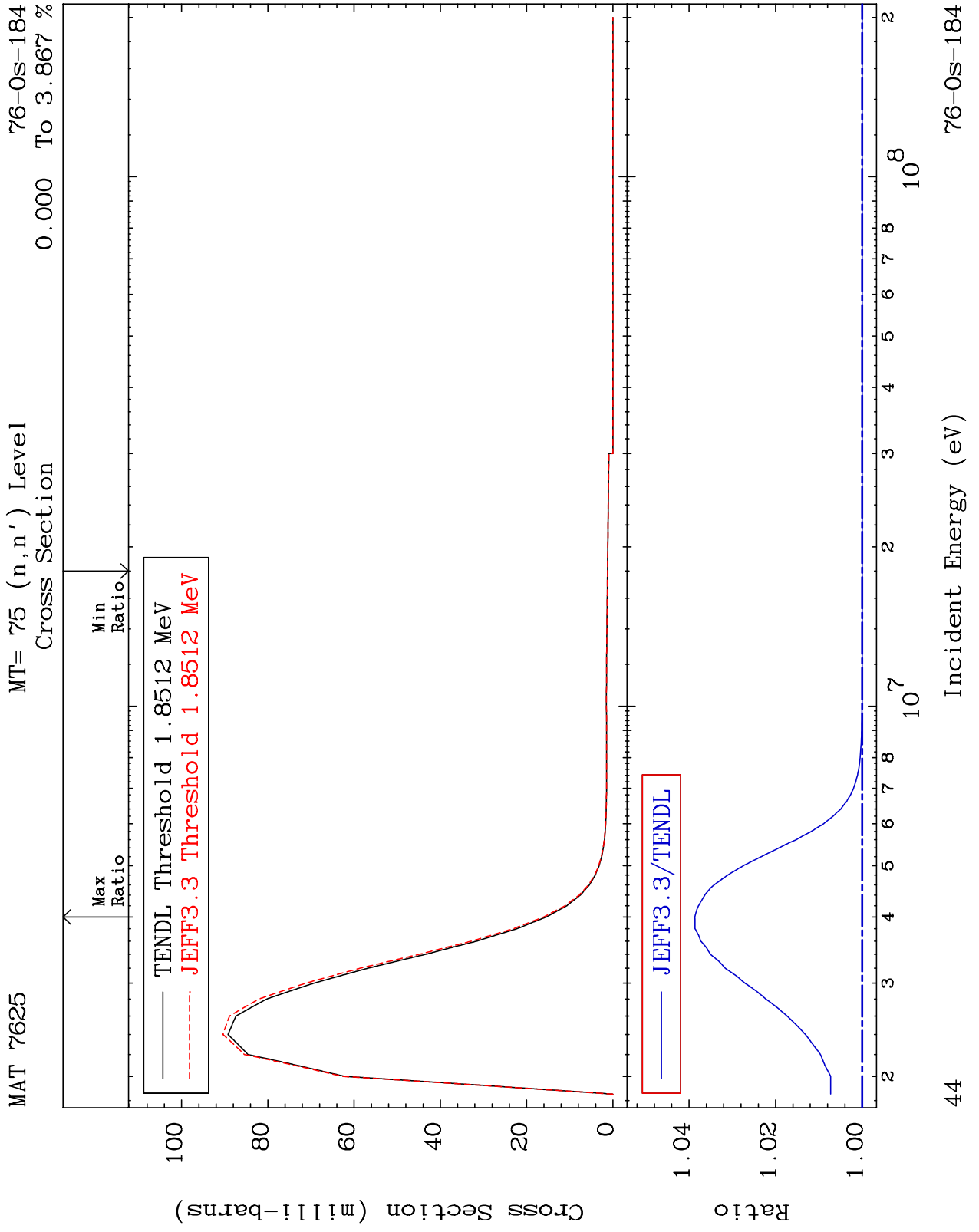






MAT 7625 MT= 74 (n,n') Level Cross Section 76-0s-184 To 29.42 %
 0.000

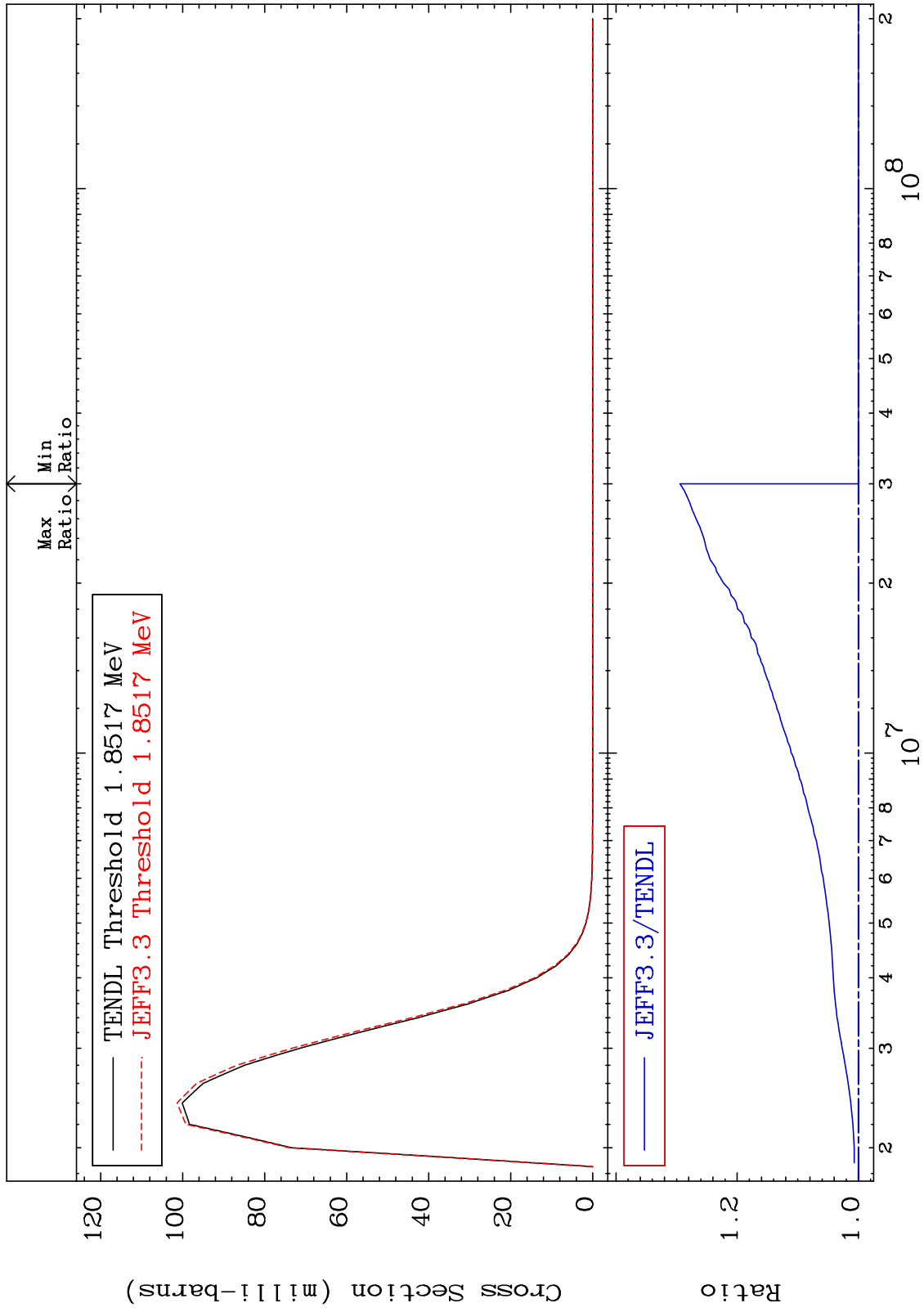




MAT 7625

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

76-0s-184
To 29.44 %
0.000



45

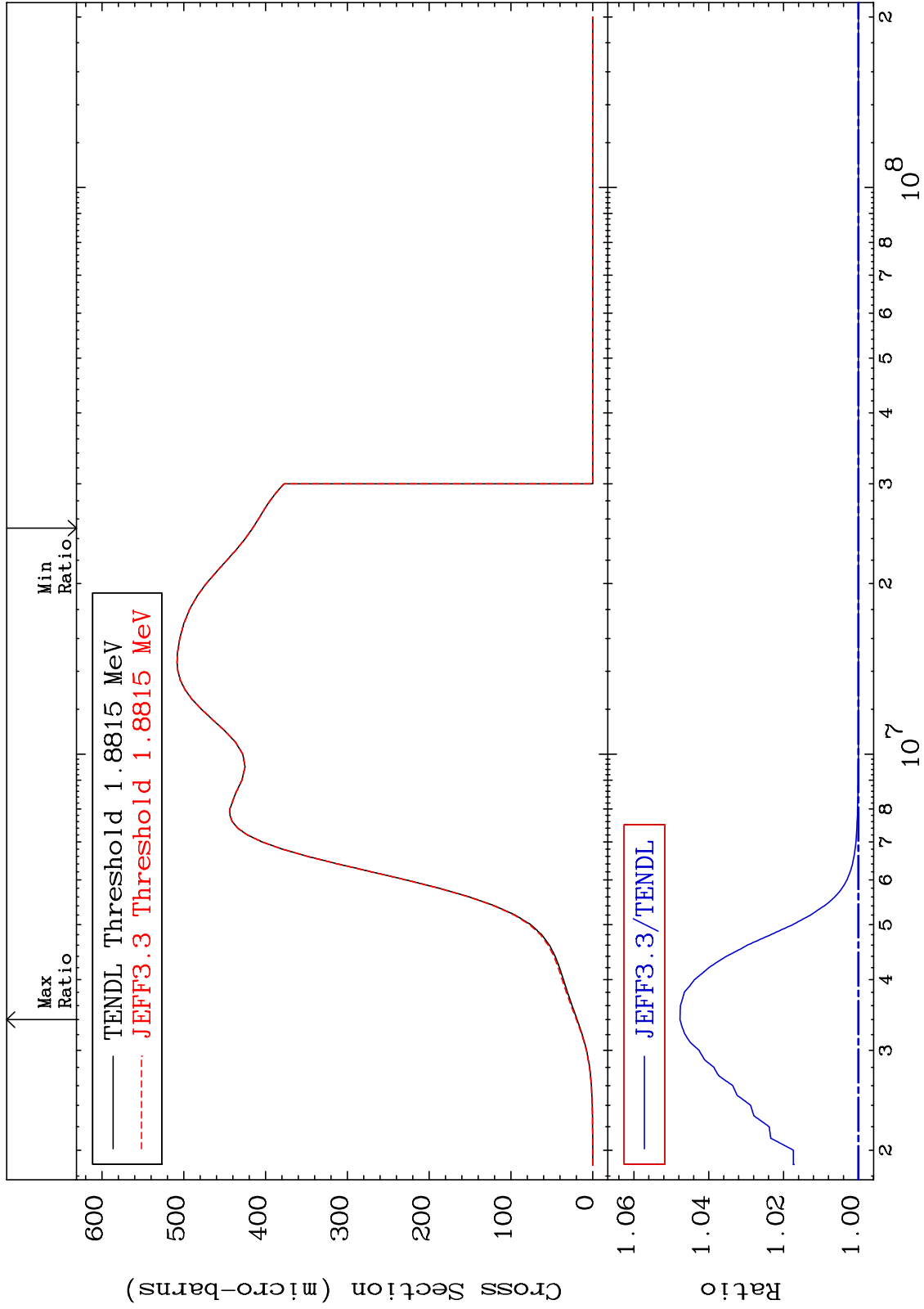
Incident Energy (eV)

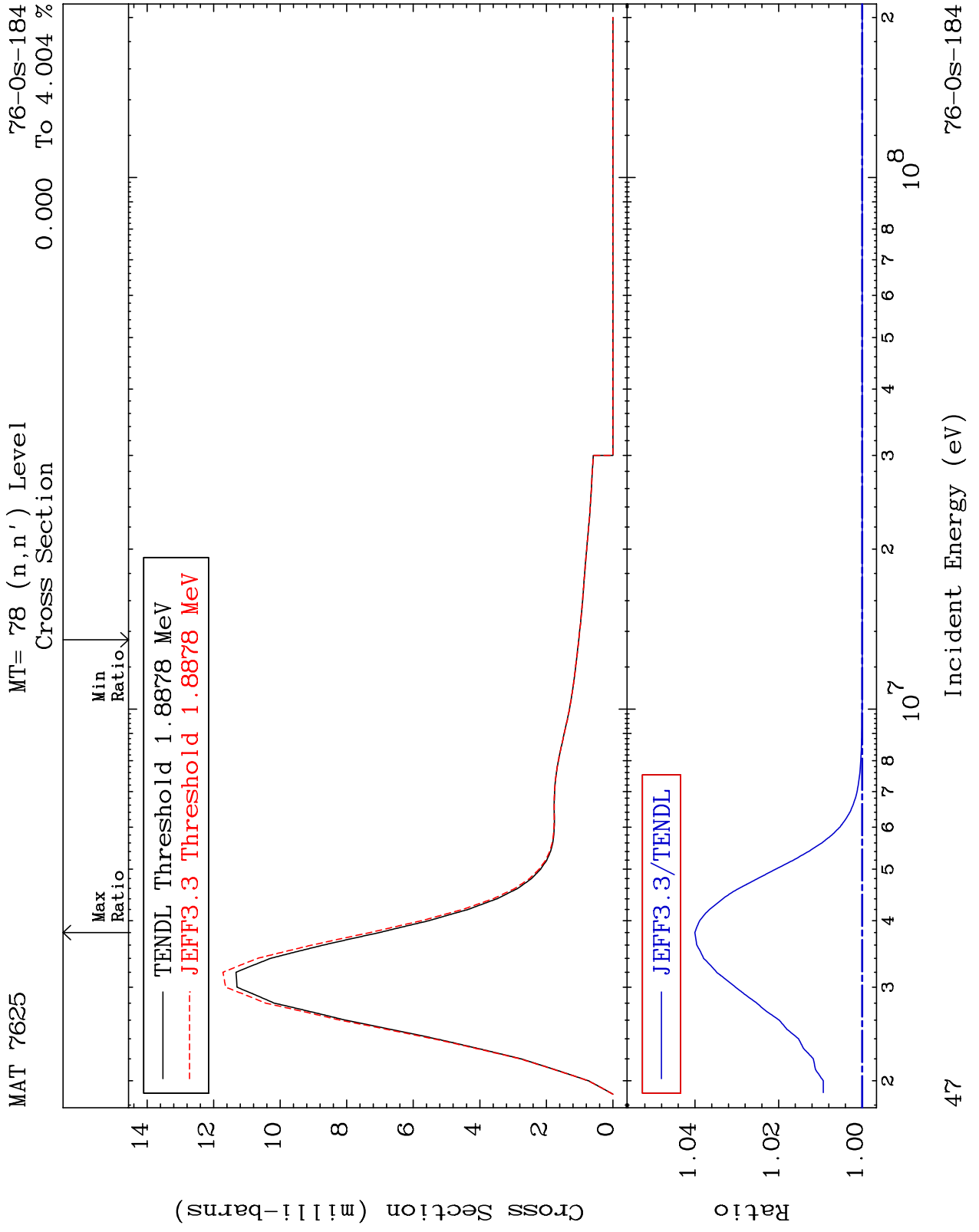
76-0s-184

MAT 7625

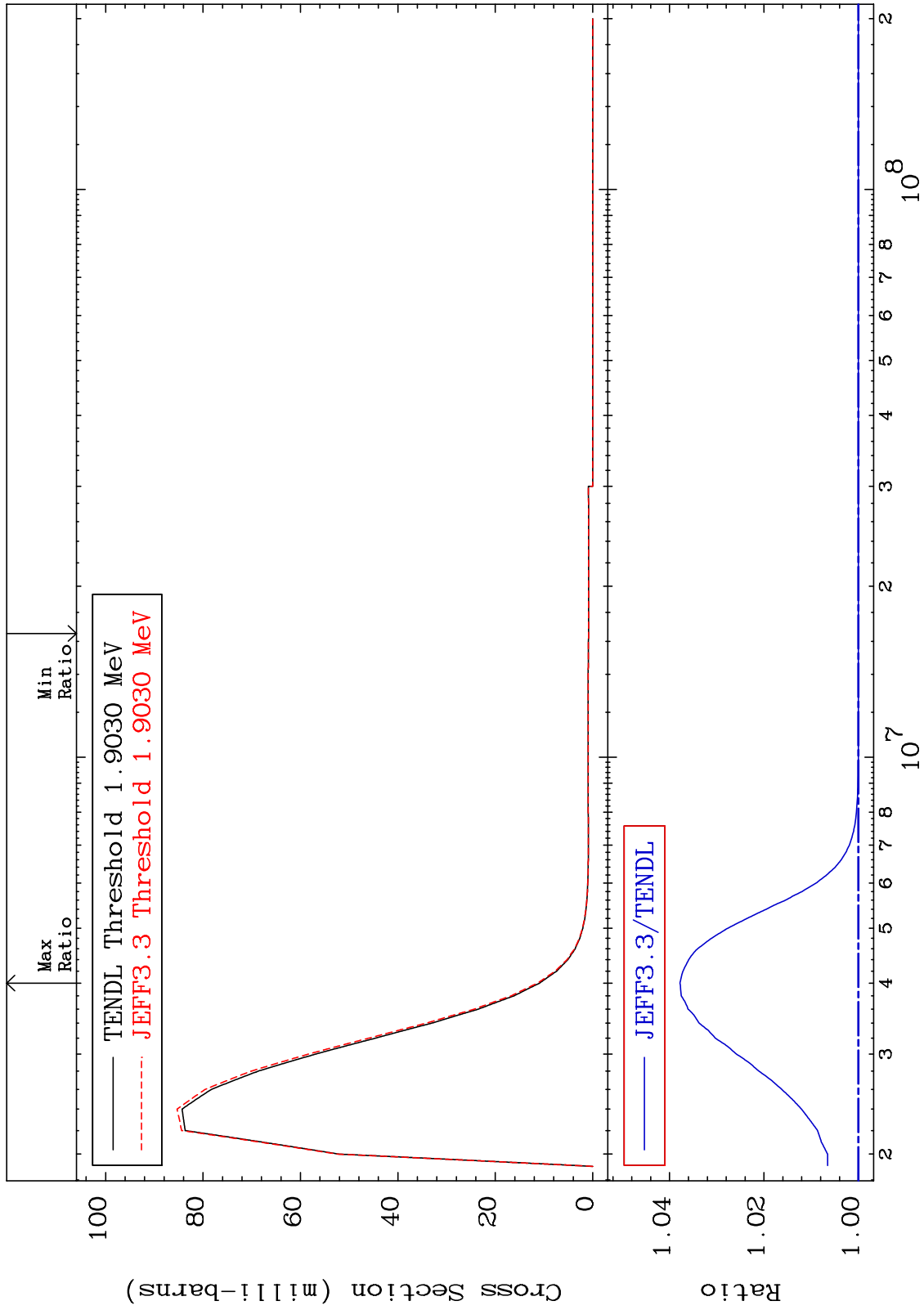
MT= 77 (n, n') Level
Cross Section

76-0s-184
0.000 To 4.767 %





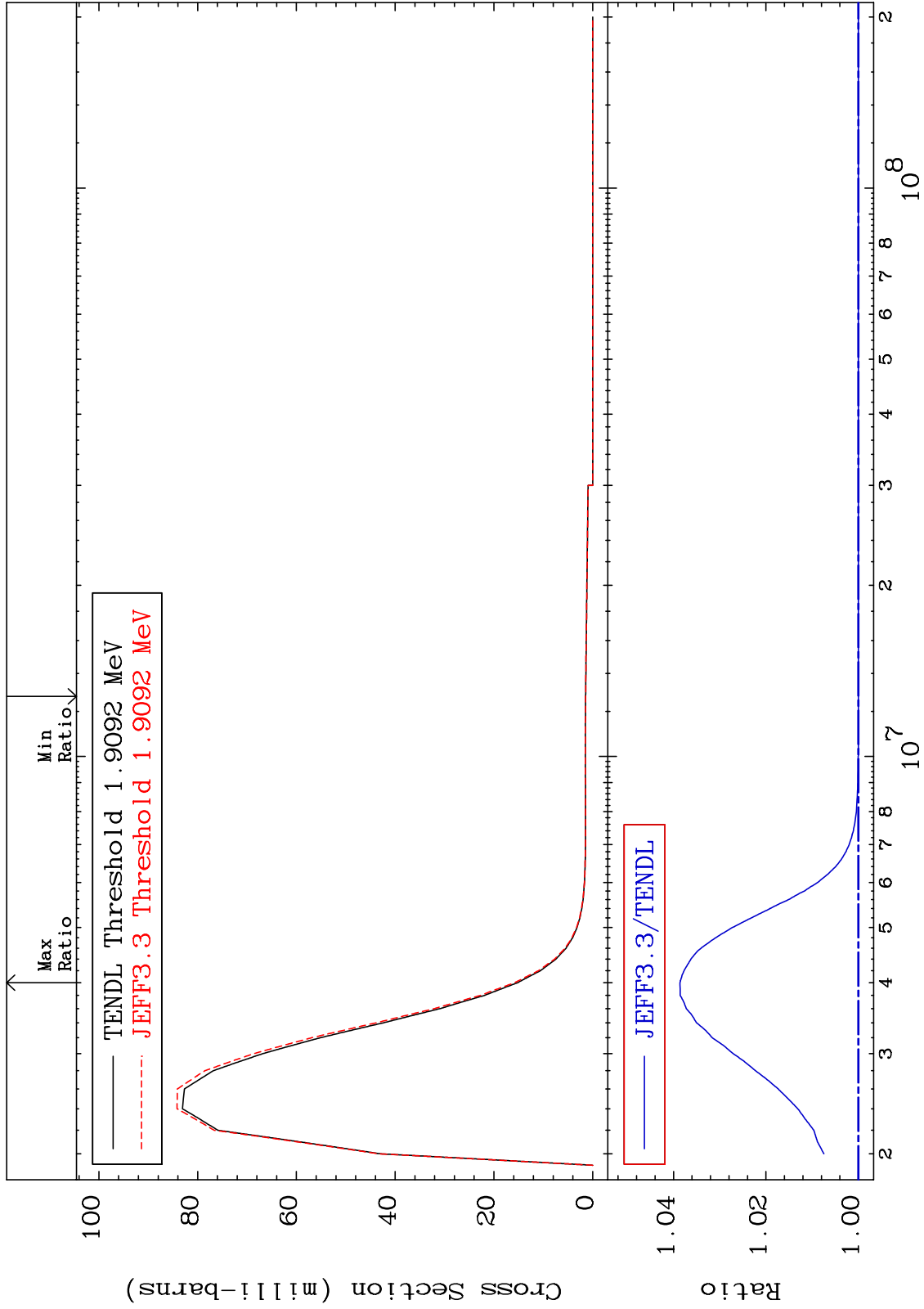
MAT 7625 MT= 79 (n,n') Level Cross Section 76-0s-184 To 3.779 %
 0.000



MAT 7625

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

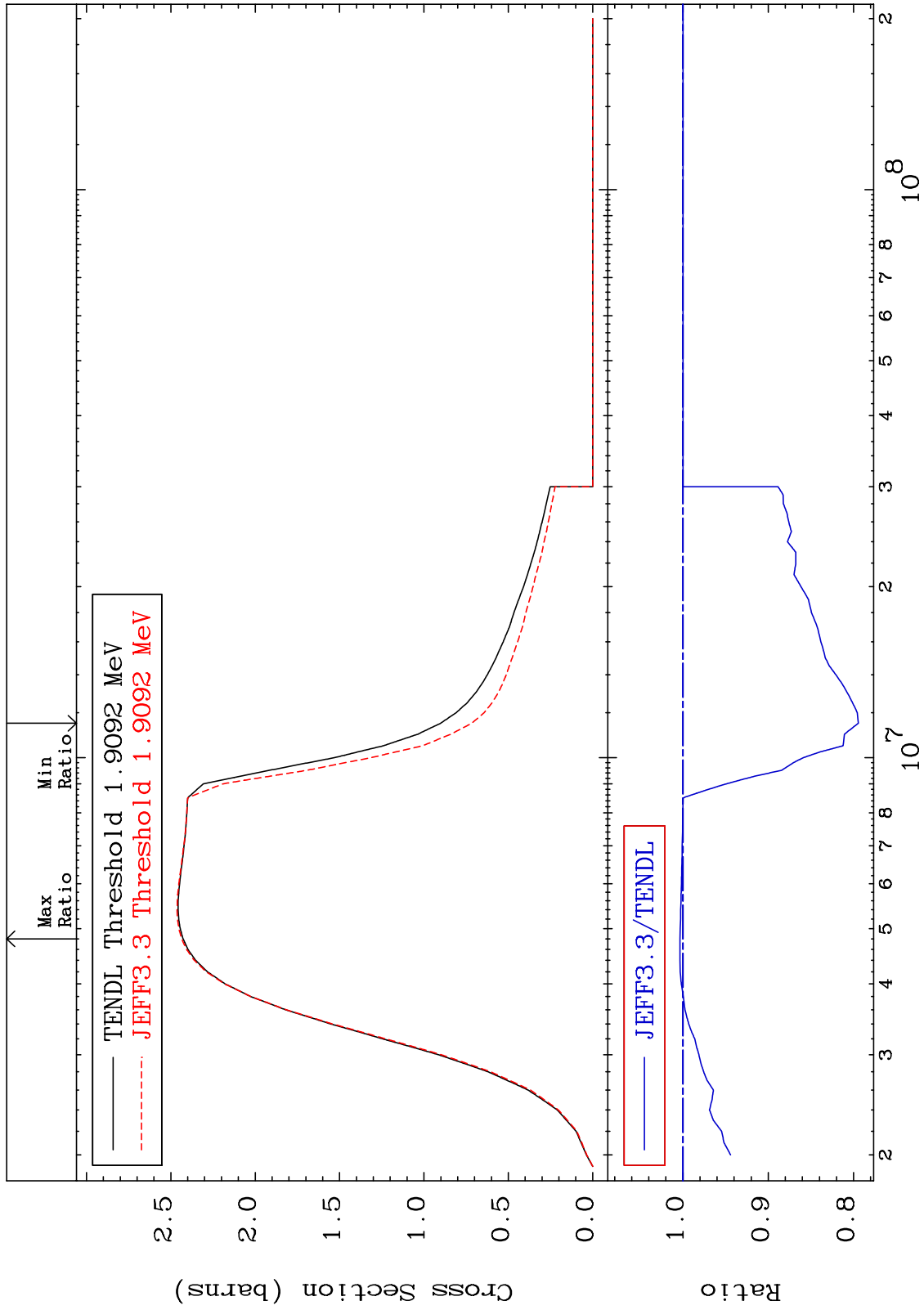
76-0s-184
0.000 To 3.860 %



MAT 7625

(n, n') Continuum
Cross Section

76-0s-184
-20.57 To 0.342 %



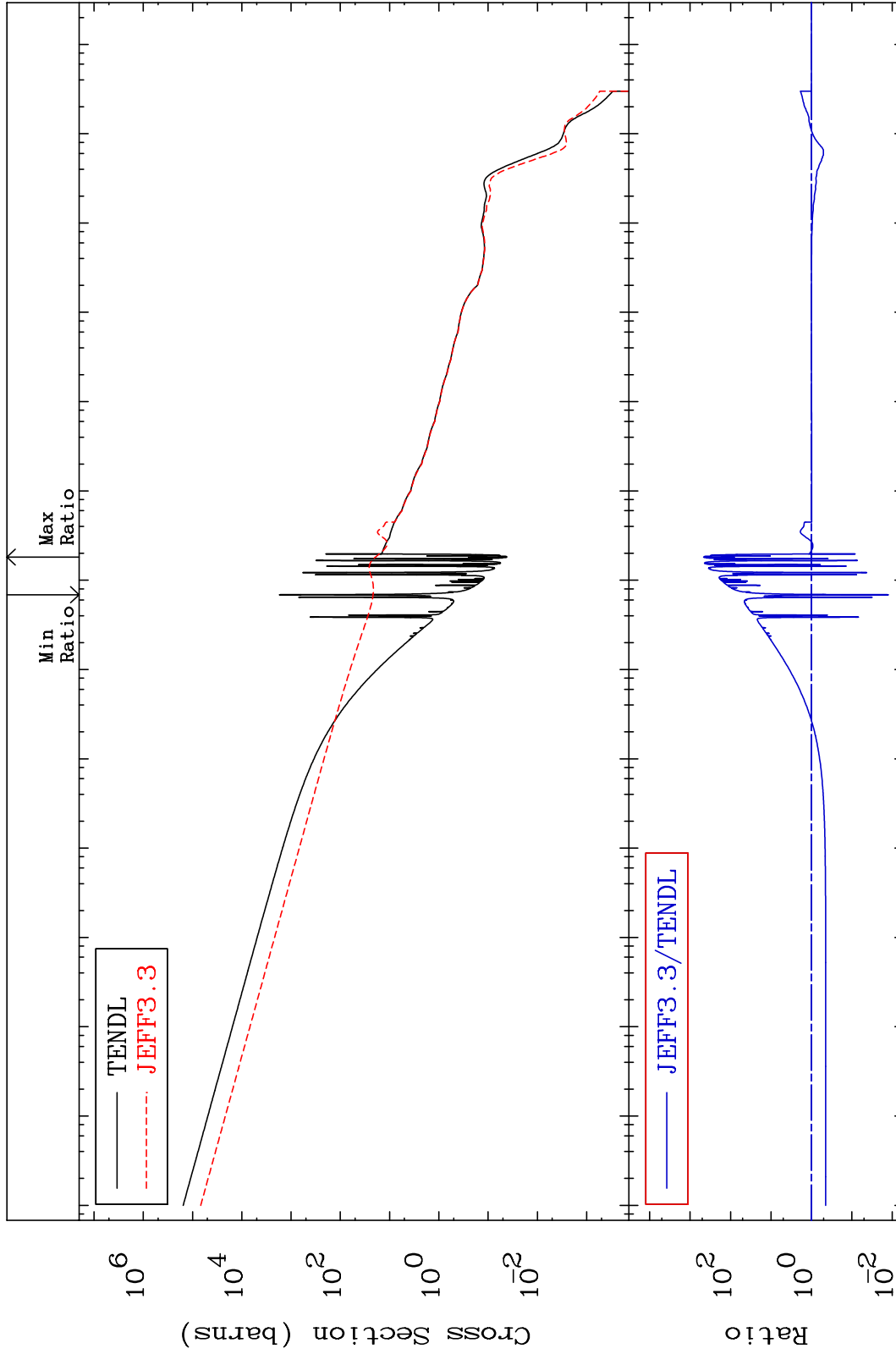
50

76-0s-184

MAT 7625

(n, γ)
Cross Section

76-0s-184
-98.74 To 9999. %



Incident Energy (eV)

76-0s-184

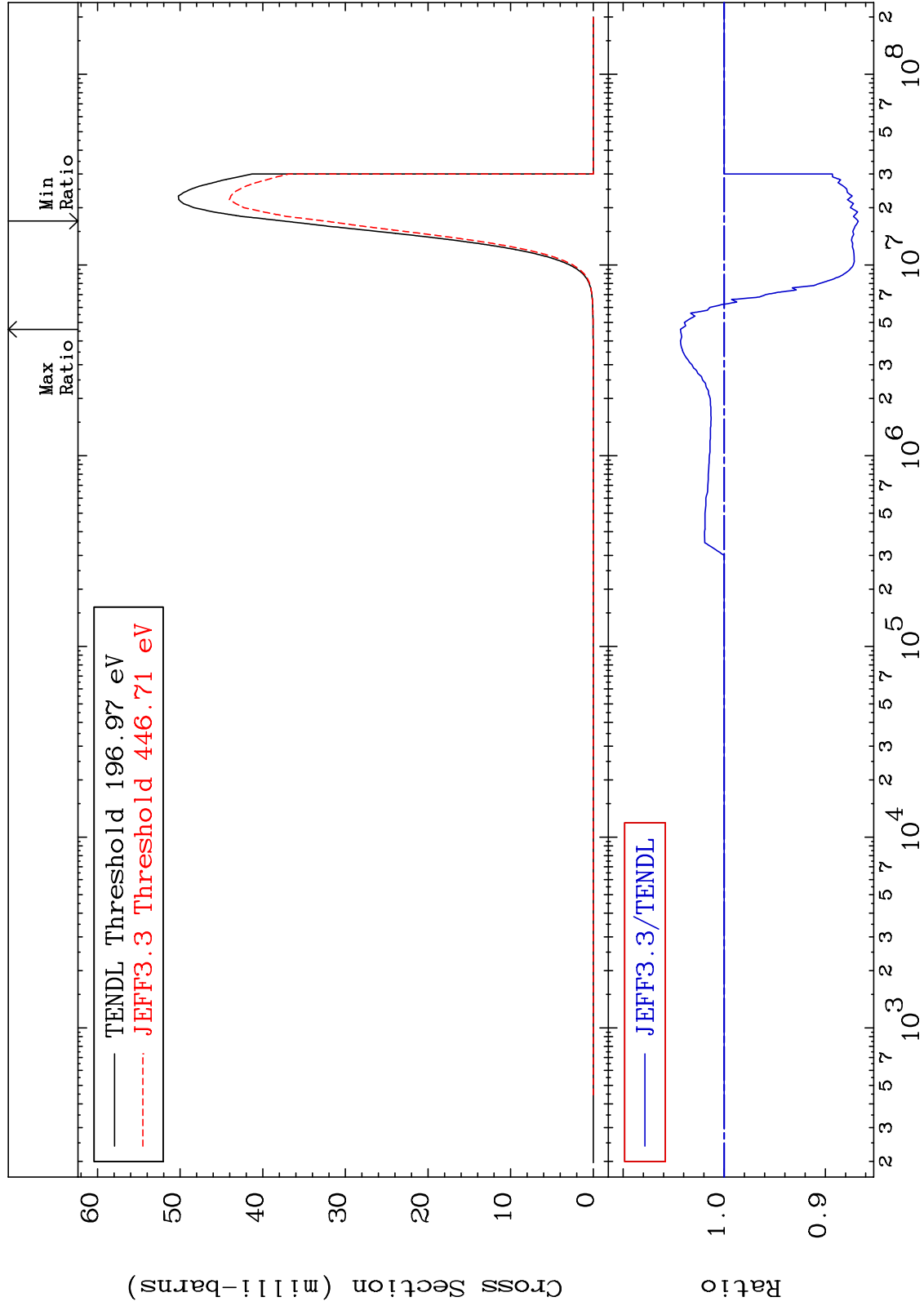
MAT 7625

(n,p)

Cross Section

76-0s-184

-13.29 To 4.326 %



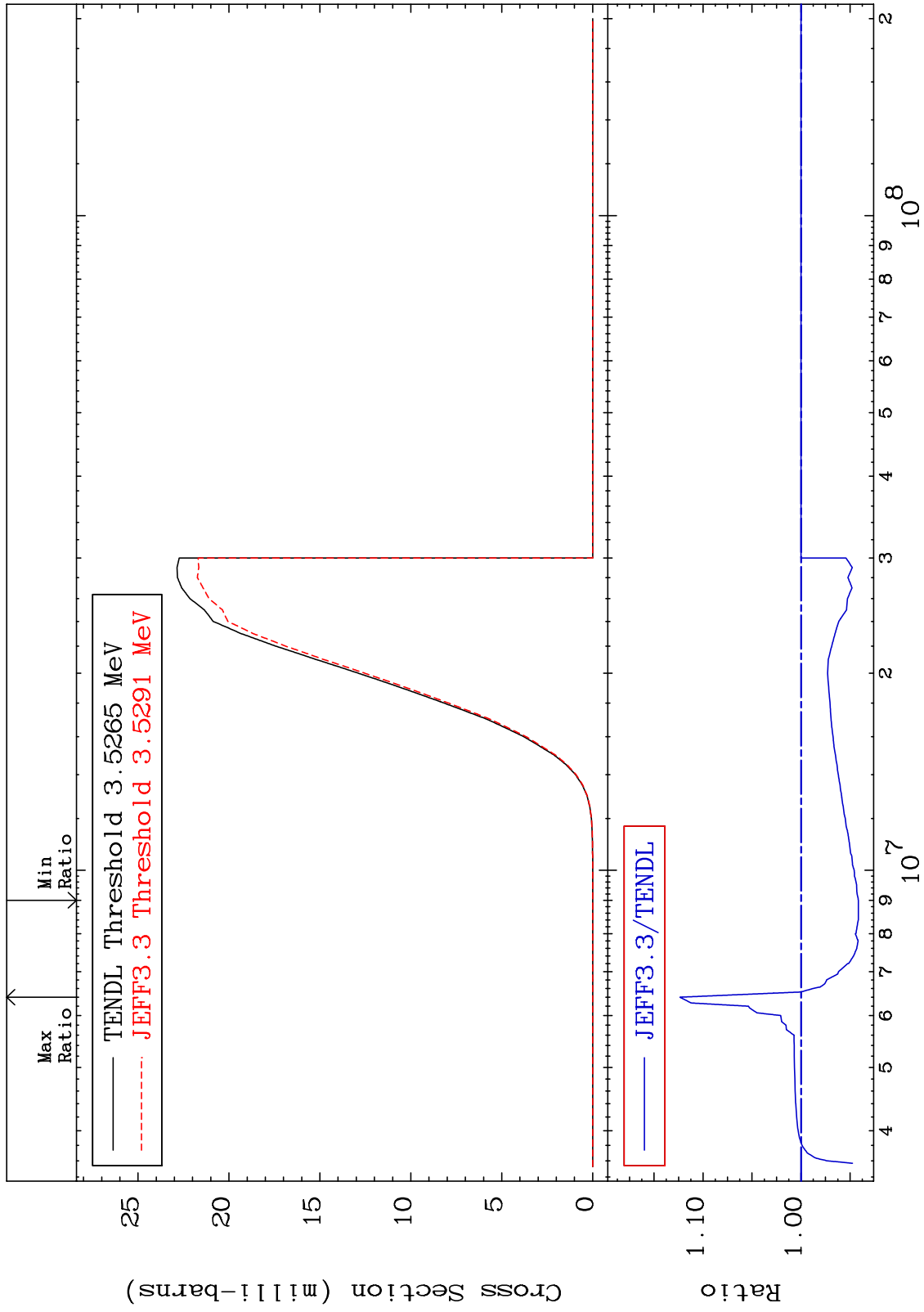
MAT 7625

(n, d)

76-0s-184

Cross Section

-5.855 To 12.35 %



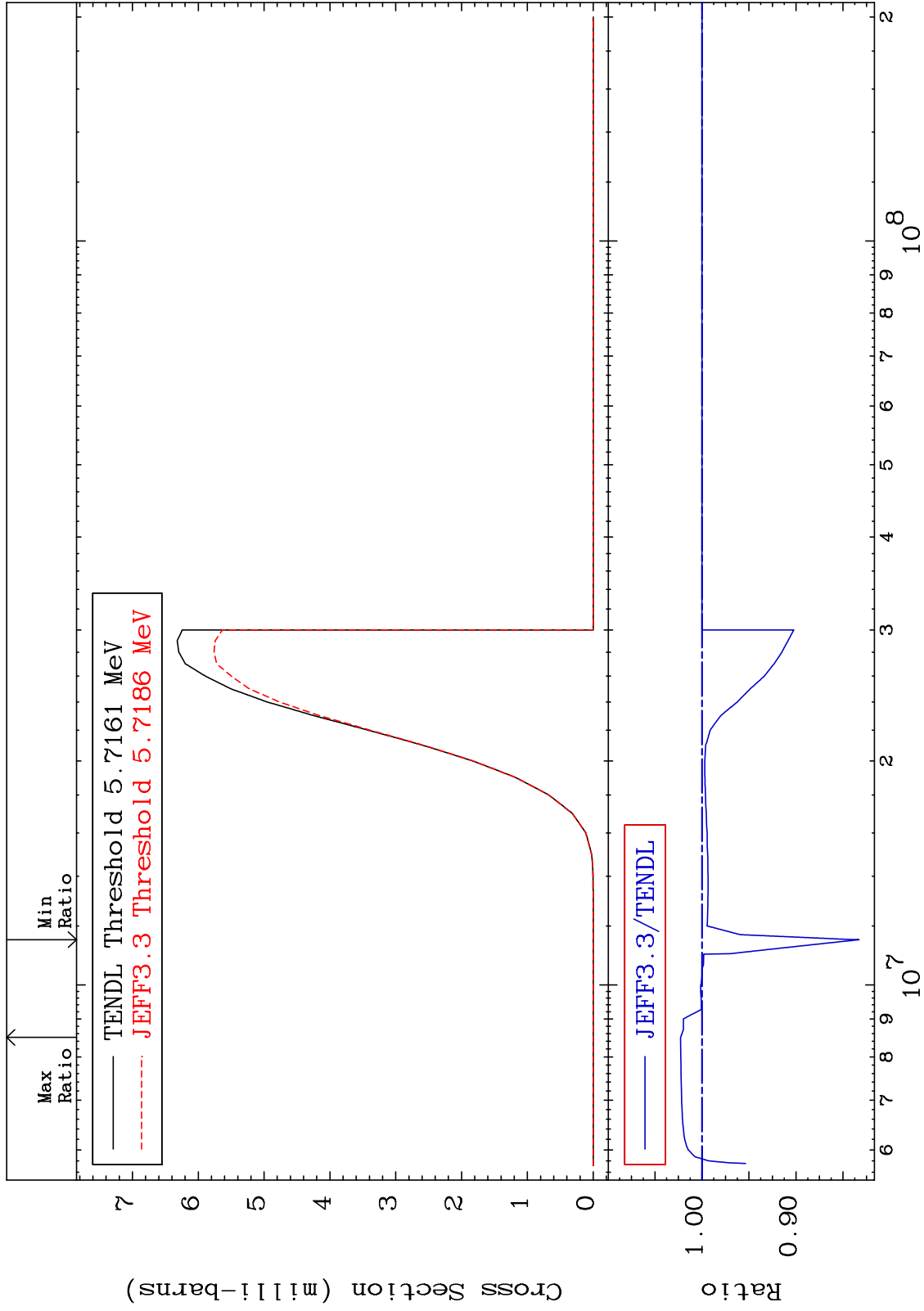
MAT 7625

(n, t)

76-0s-184

Cross Section

-16.72 To 2.268 %



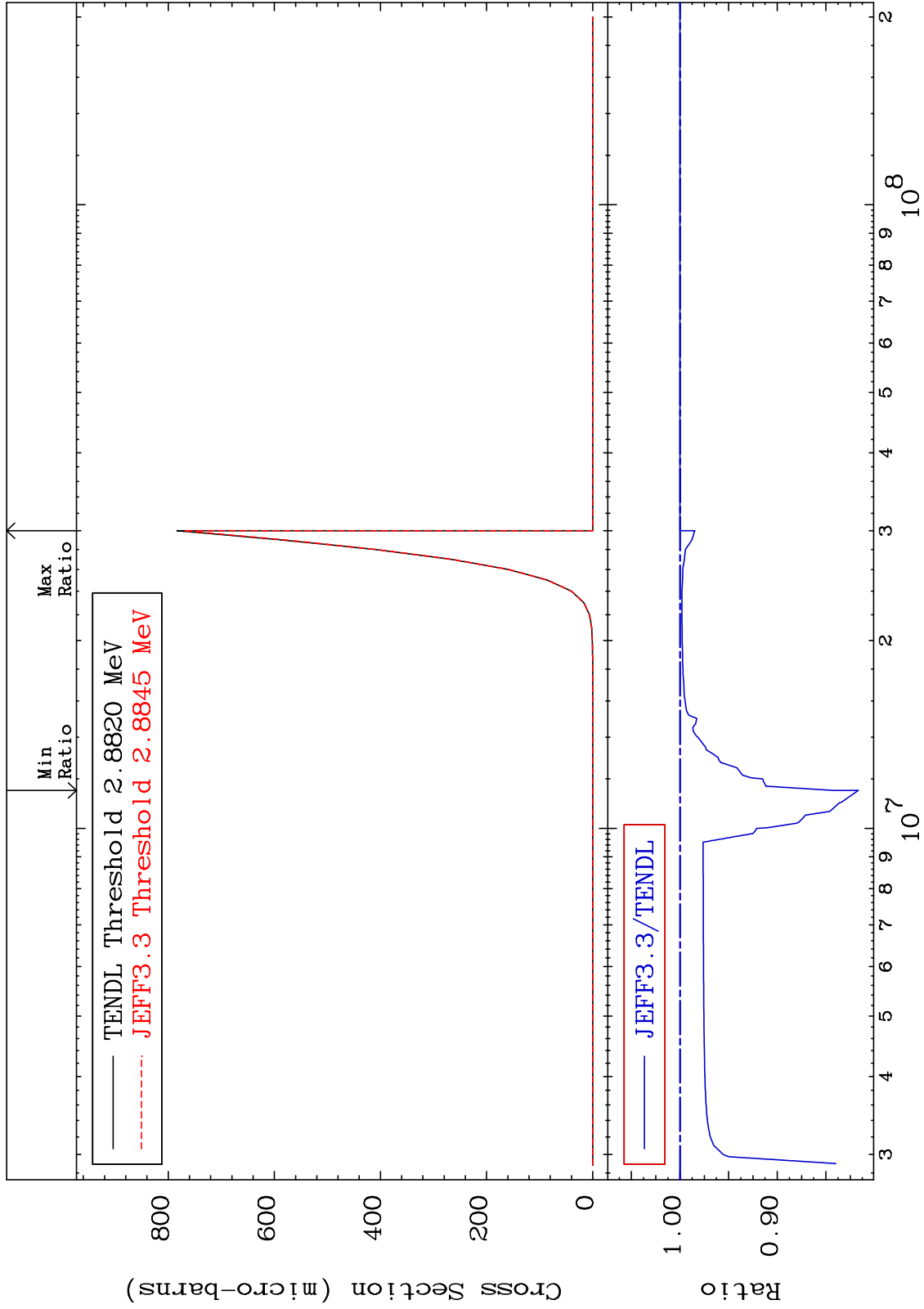
MAT 7625

(n, He-3)

76-0s-184

Cross Section

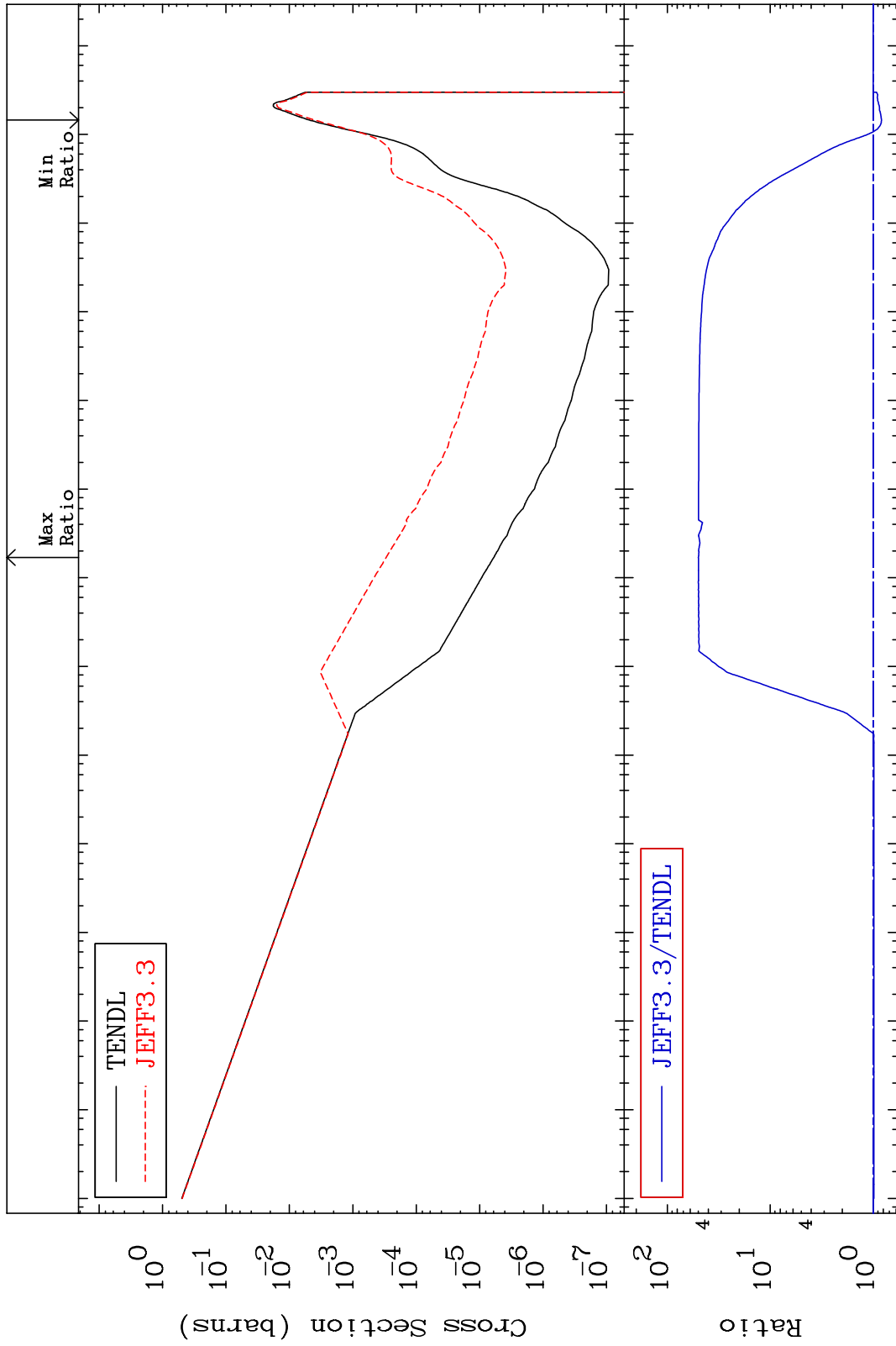
-18.35 To 0.000 %



MAT 7625

(n, α)
Cross Section

76-0s-184
-16.88 To 4893. %



Incident Energy (eV)

56

76-0s-184

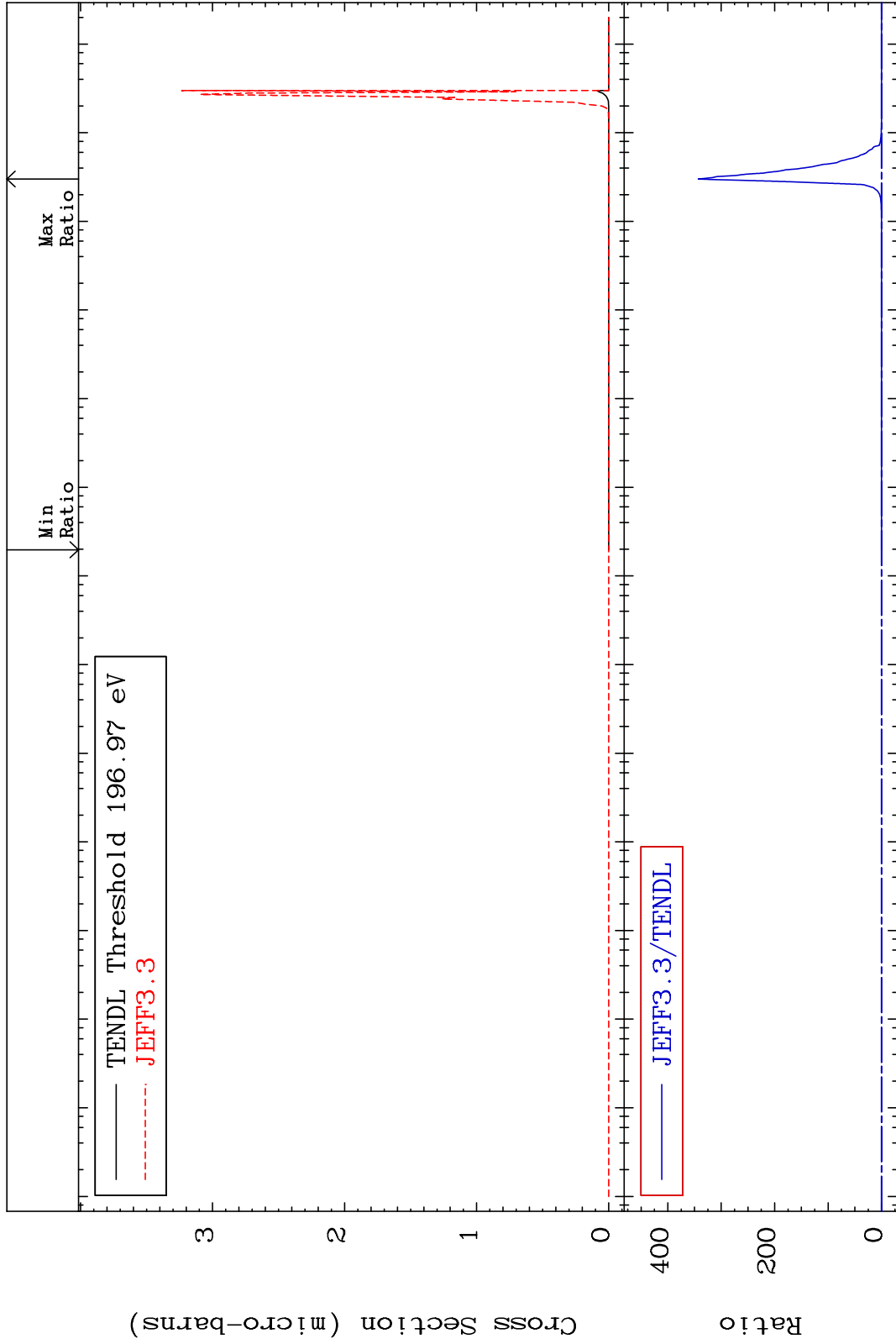
MAT 7625

(n, 2α)

76-0s-184

Cross Section

-100.0 To 9999. %



57

Incident Energy (eV)

76-0s-184

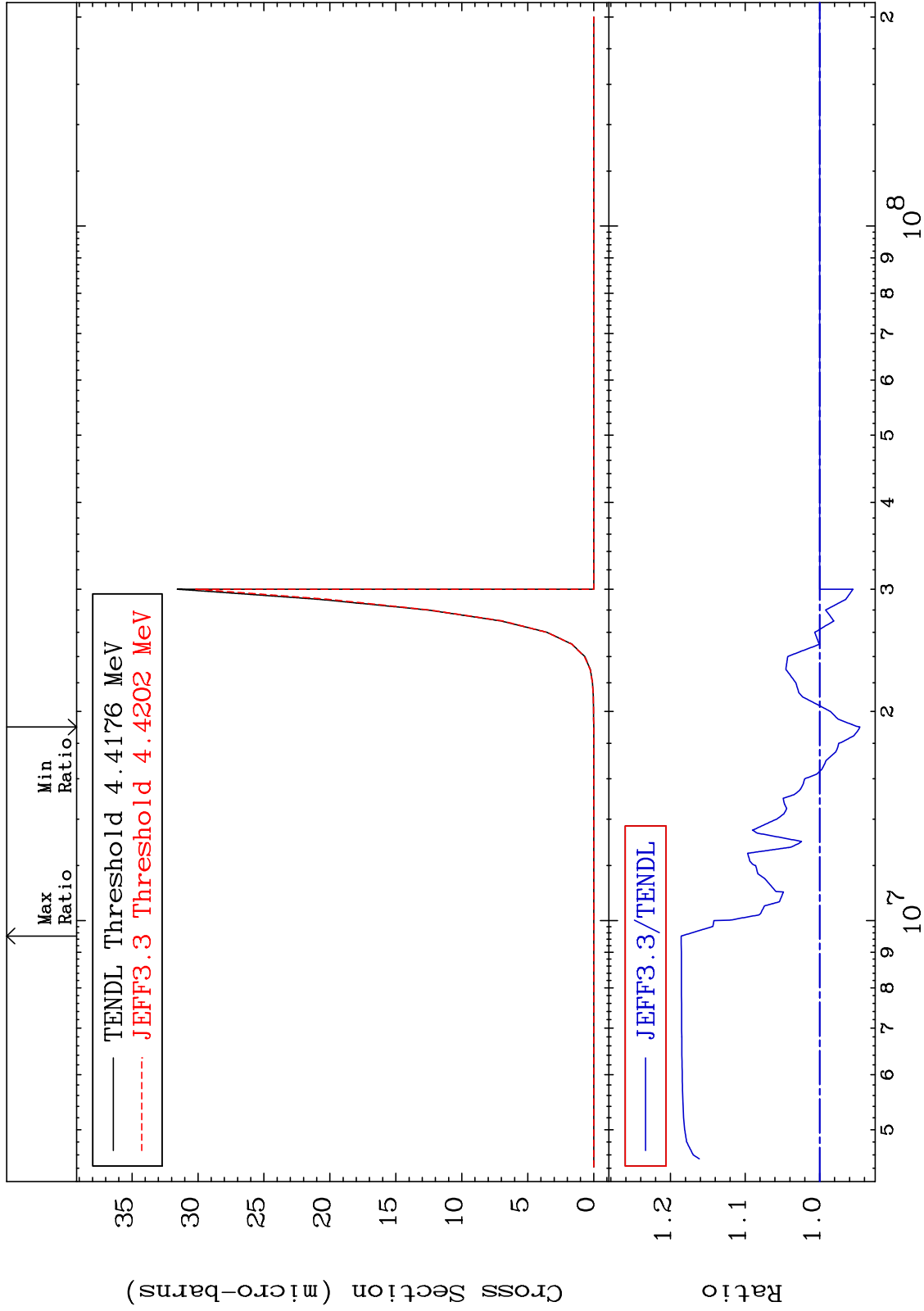
MAT 7625

(n,2p)

76-0s-184

Cross Section

-5.392 To 18.57 %



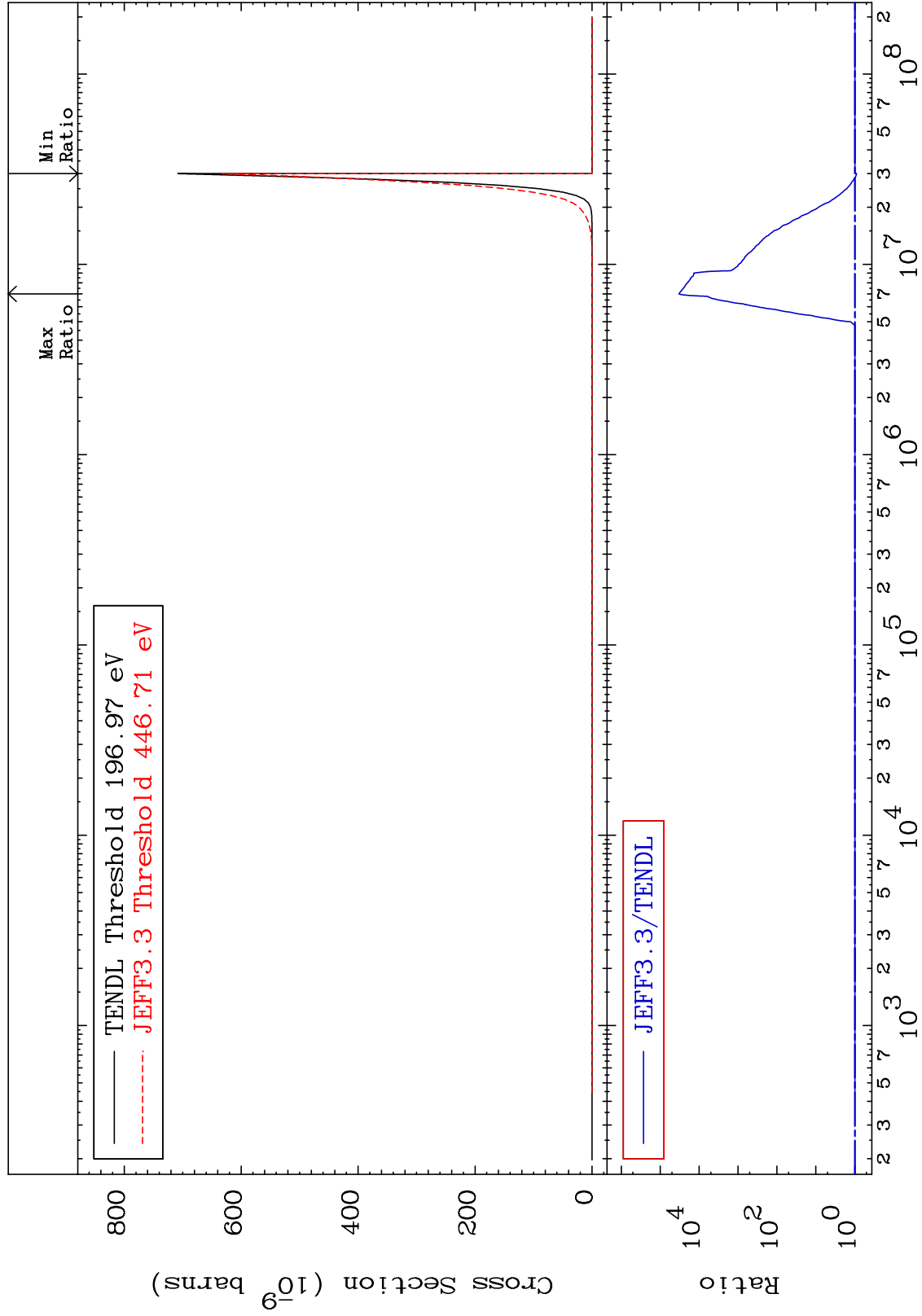
MAT 7625

(n,p) α

Cross Section

76-0s-184

-10.56 To 9999. %



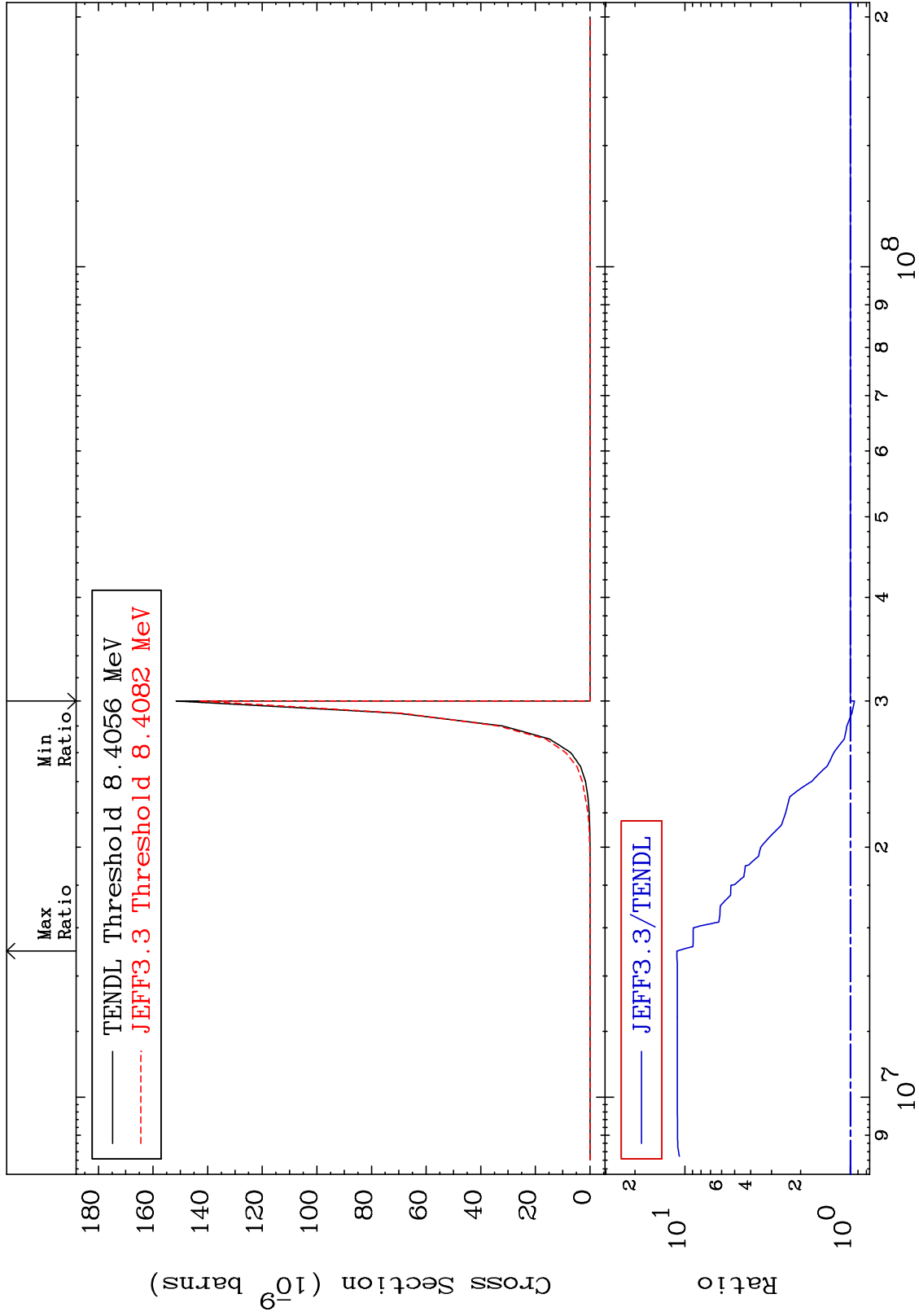
MAT 7625

(n,p) d

⁷⁶Os-184

Cross Section

-5.494 To 1016. %



60

Incident Energy (eV)

⁷⁶Os-184

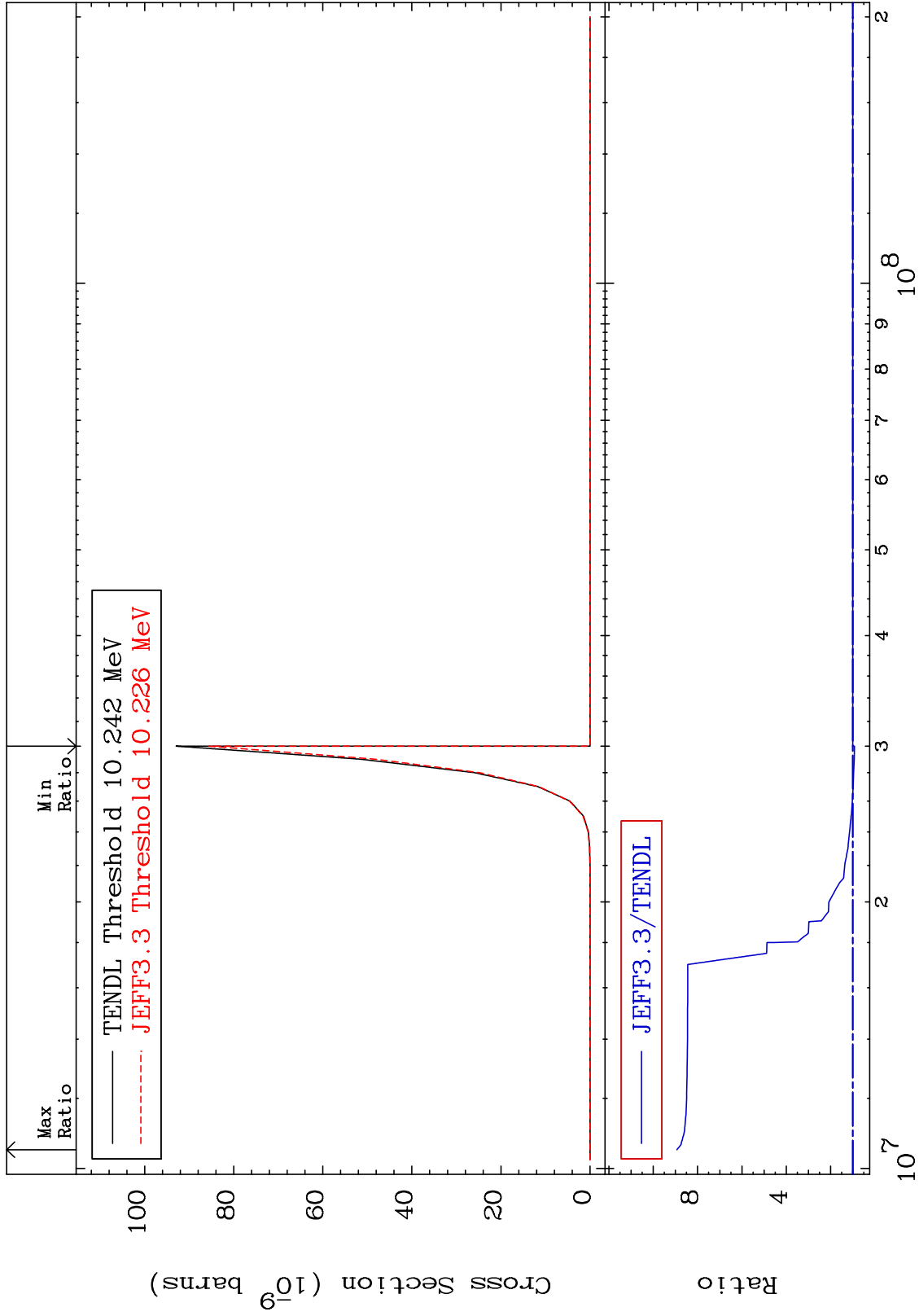
MAT 7625

(n,p) t

76-0s-184

Cross Section

-7.910 To 793.2 %



Incident Energy (eV)

76-0s-184

61

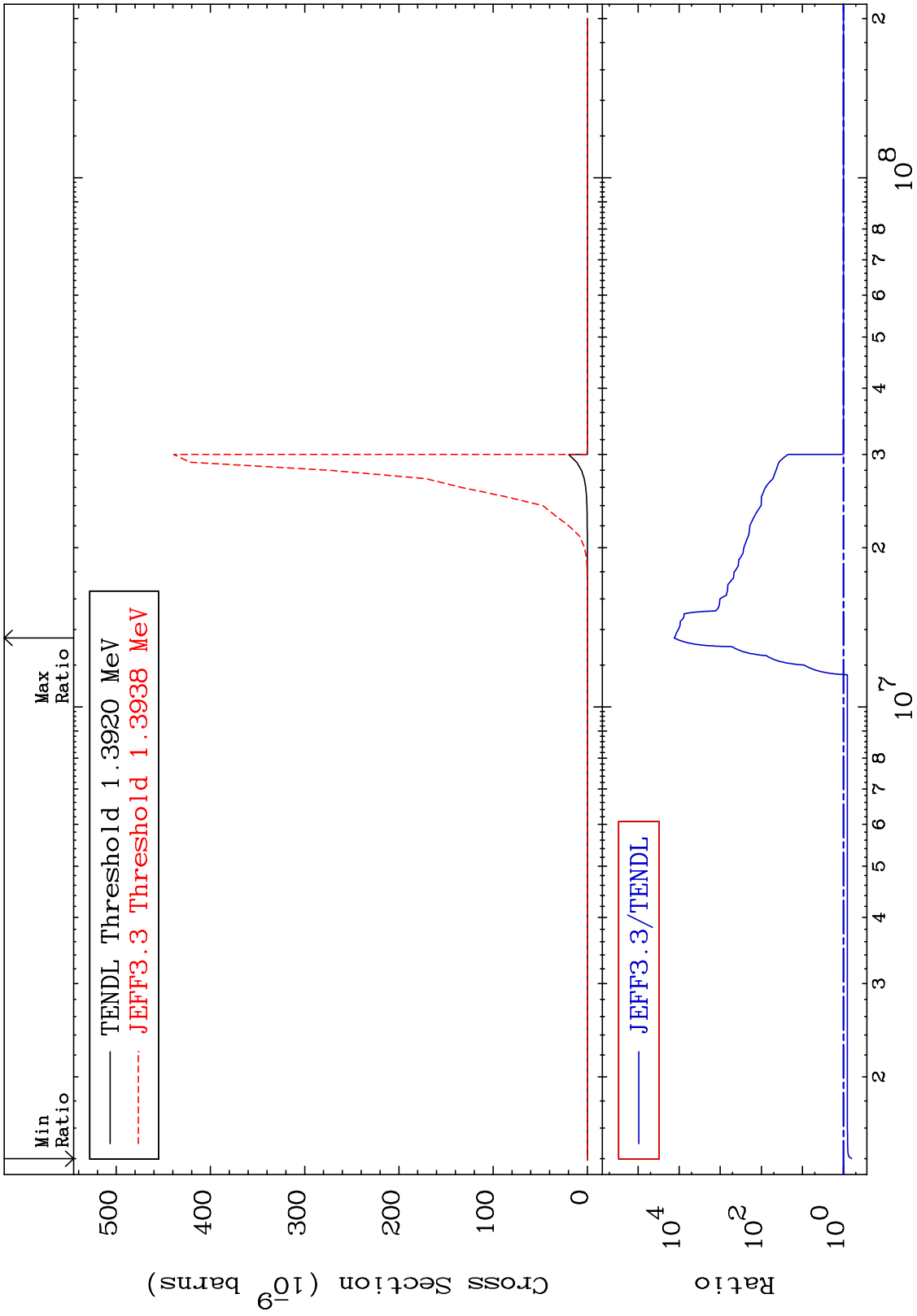
MAT 7625

(n,d) α

76-0s-184

-36.80 To 9999. %

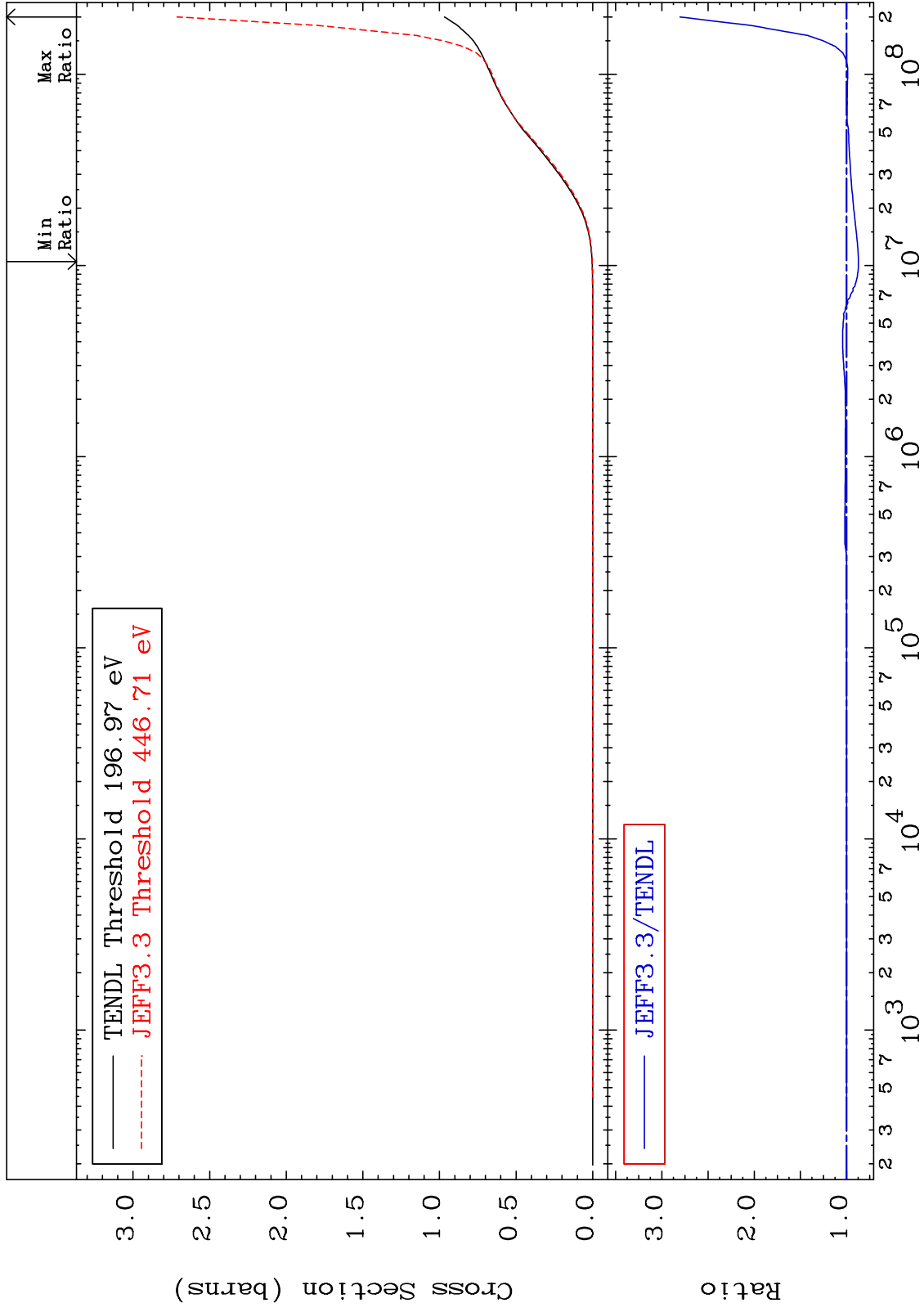
Cross Section



MAT 7625

Hydrogen Production Cross Section

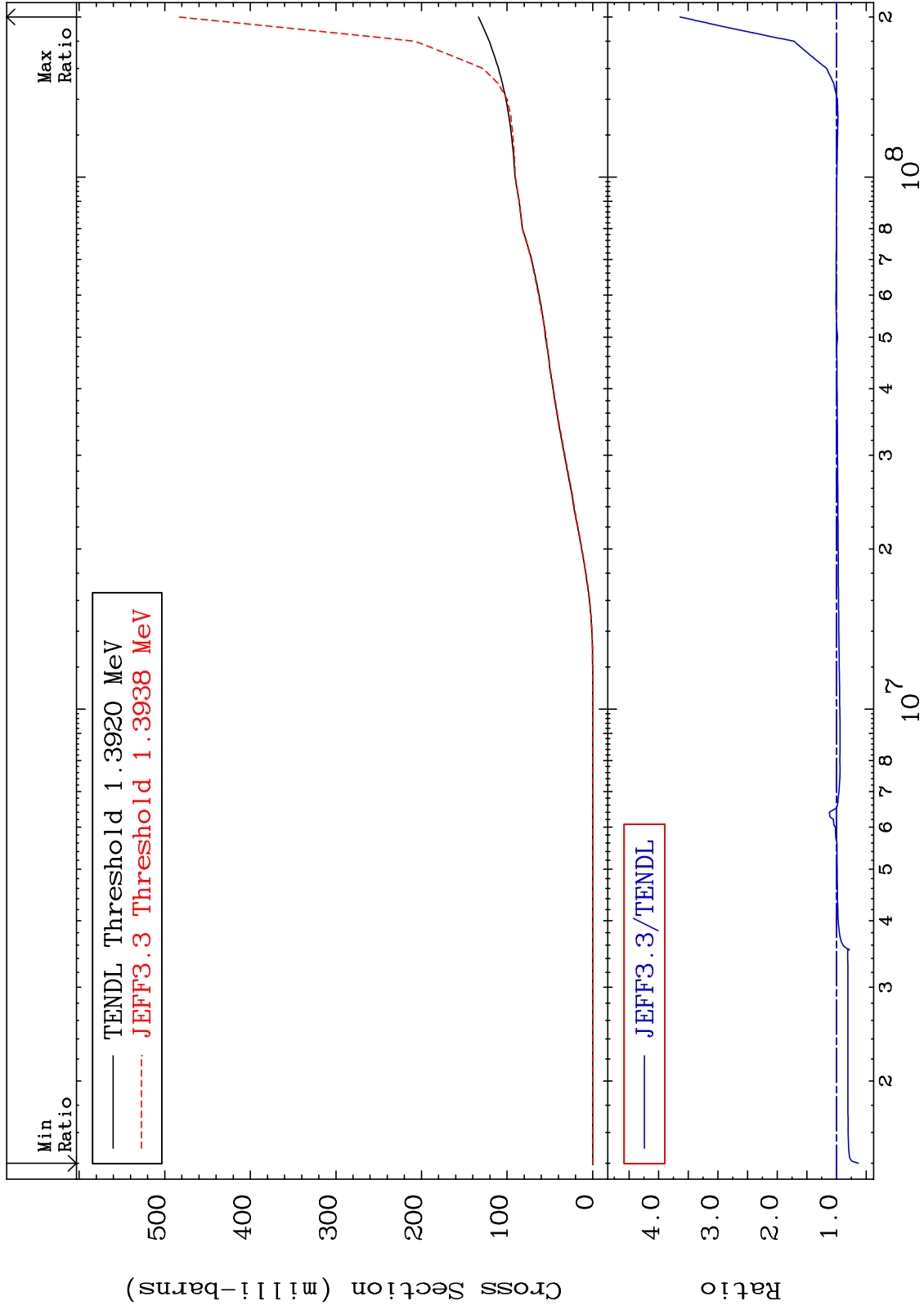
76-0s-184
-12.75 To 180.4 %



MAT 7625

Deuterium Production
Cross Section

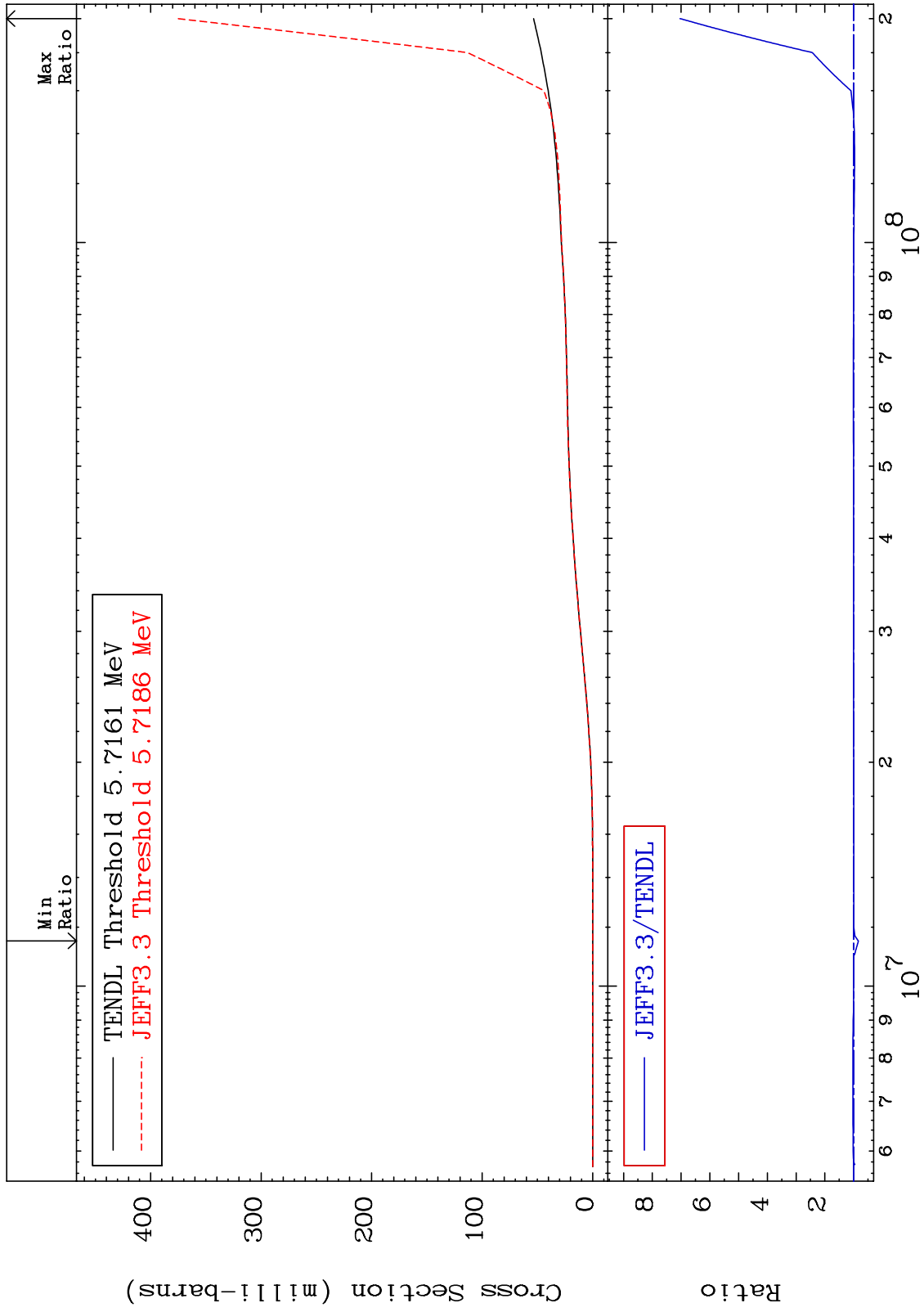
76-0s-184
-36.80 To 264.0 %



MAT 7625

Tritium Production
Cross Section

$^{76}\text{Os-184}$
-16.72 To 603.7 %



65

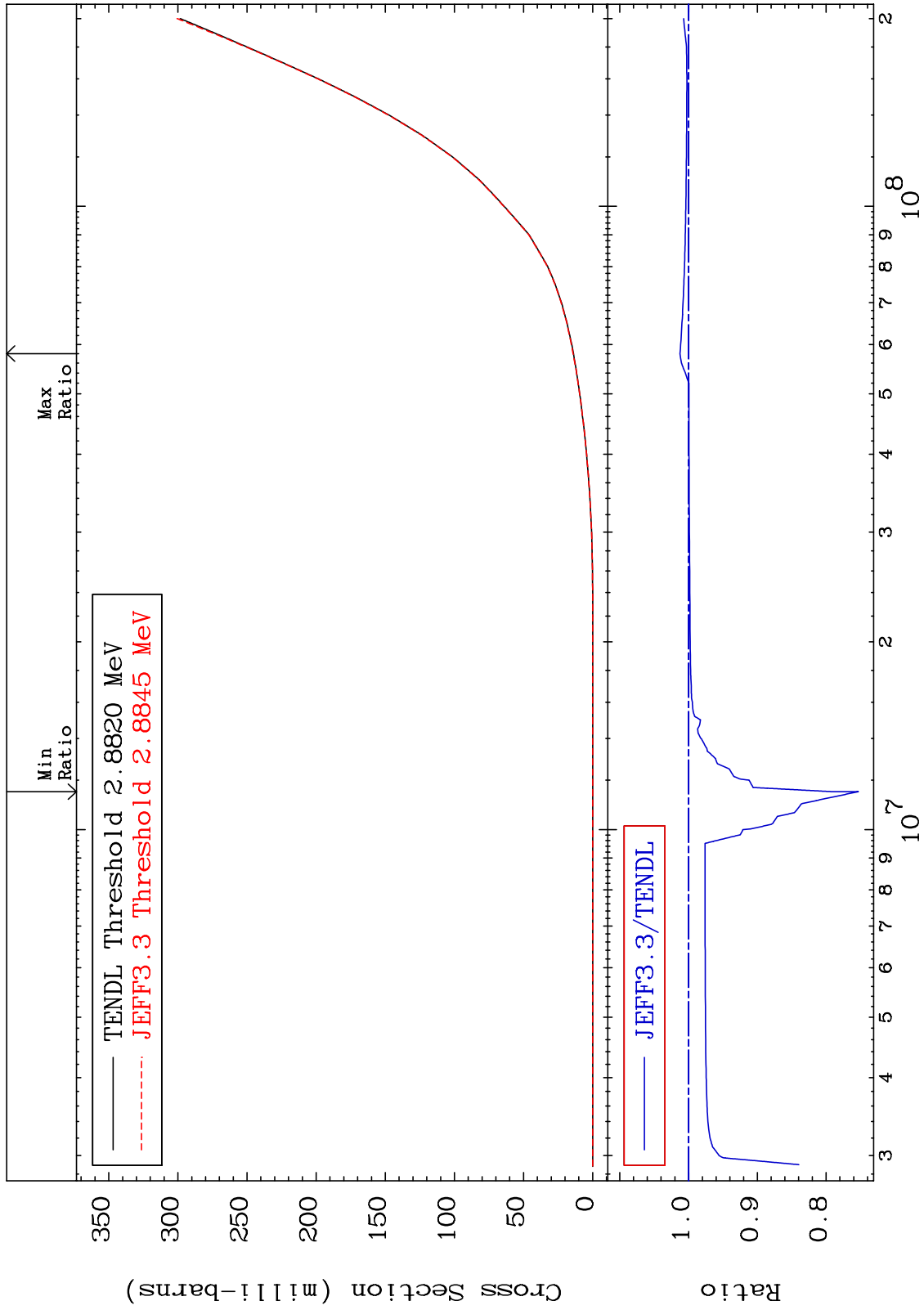
Incident Energy (eV)

$^{76}\text{Os-184}$

MAT 7625

He-3 Production
Cross Section

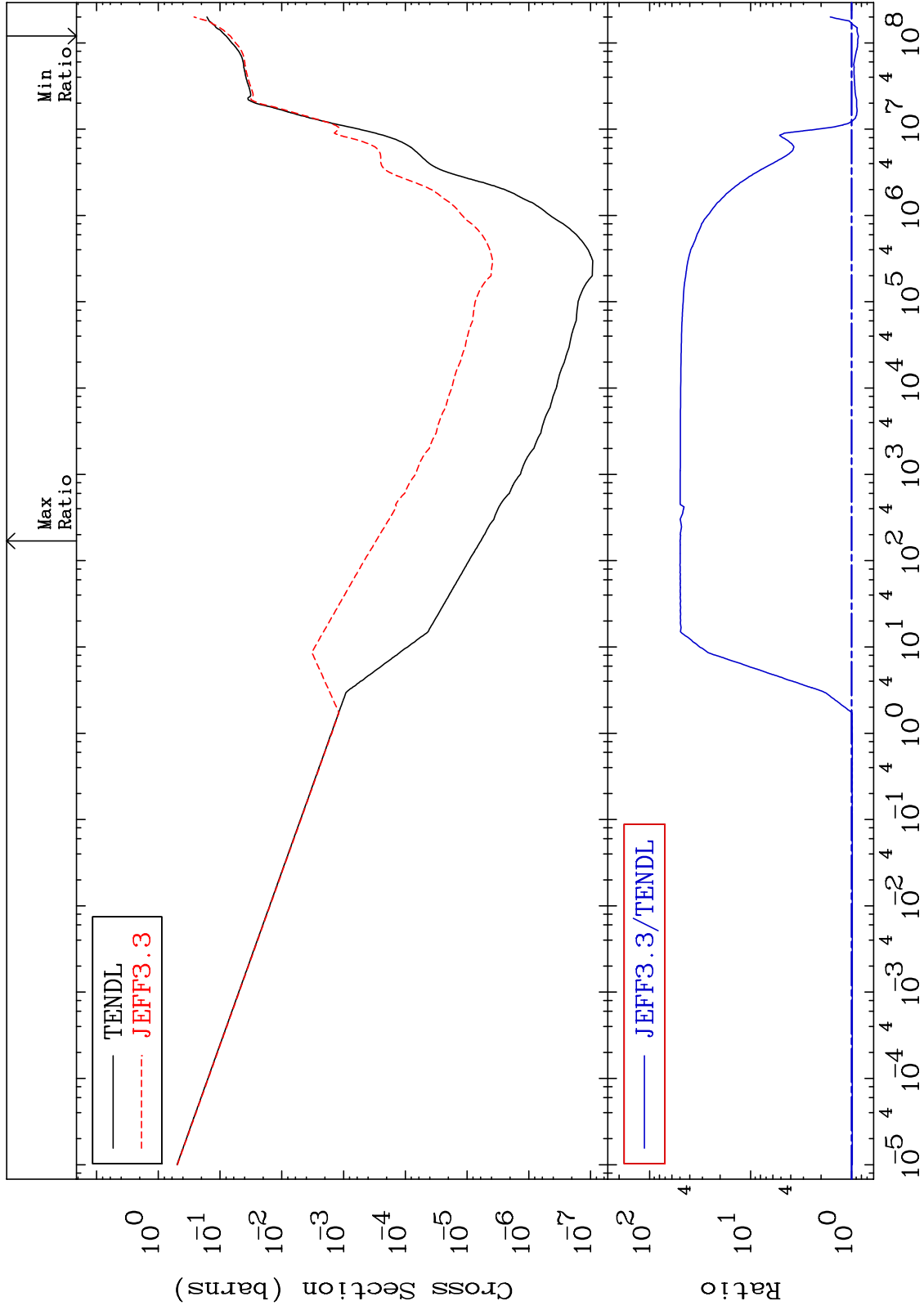
76-0s-184
-24.69 To 1.246 %



MAT 7625

He-4 Production
Cross Section

76-0s-184
-14.48 To 4893. %



67

Incident Energy (eV)

76-0s-184

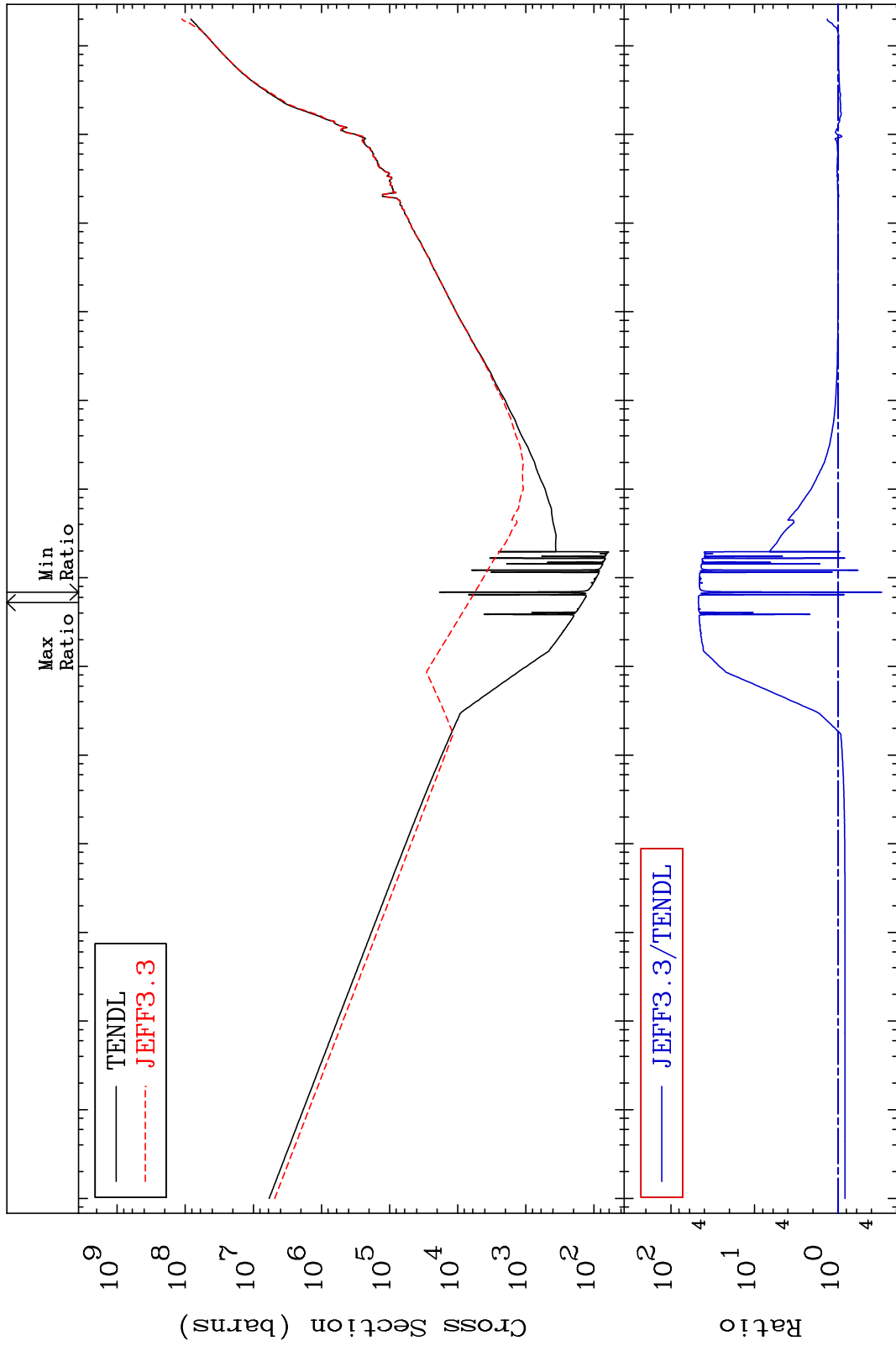
MAT 7625

Kerma total (eV-barns)

76-0s-184

-69.74 To 4608. %

Cross Section



Ratio

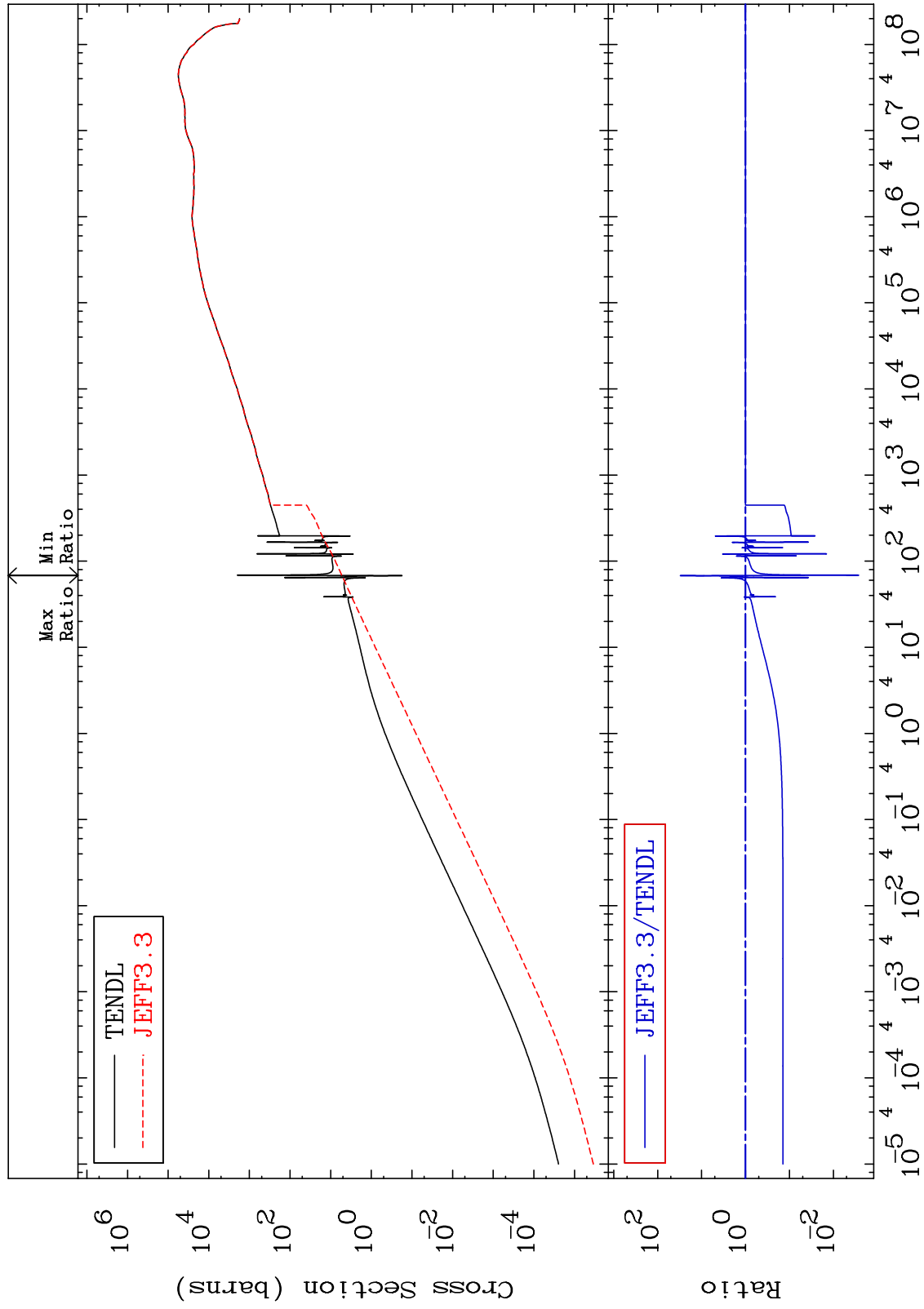
Incident Energy (eV)

76-0s-184

MAT 7625

Kerma elastic
Cross Section

76-0s-184
-99.73 To 2925. %



69

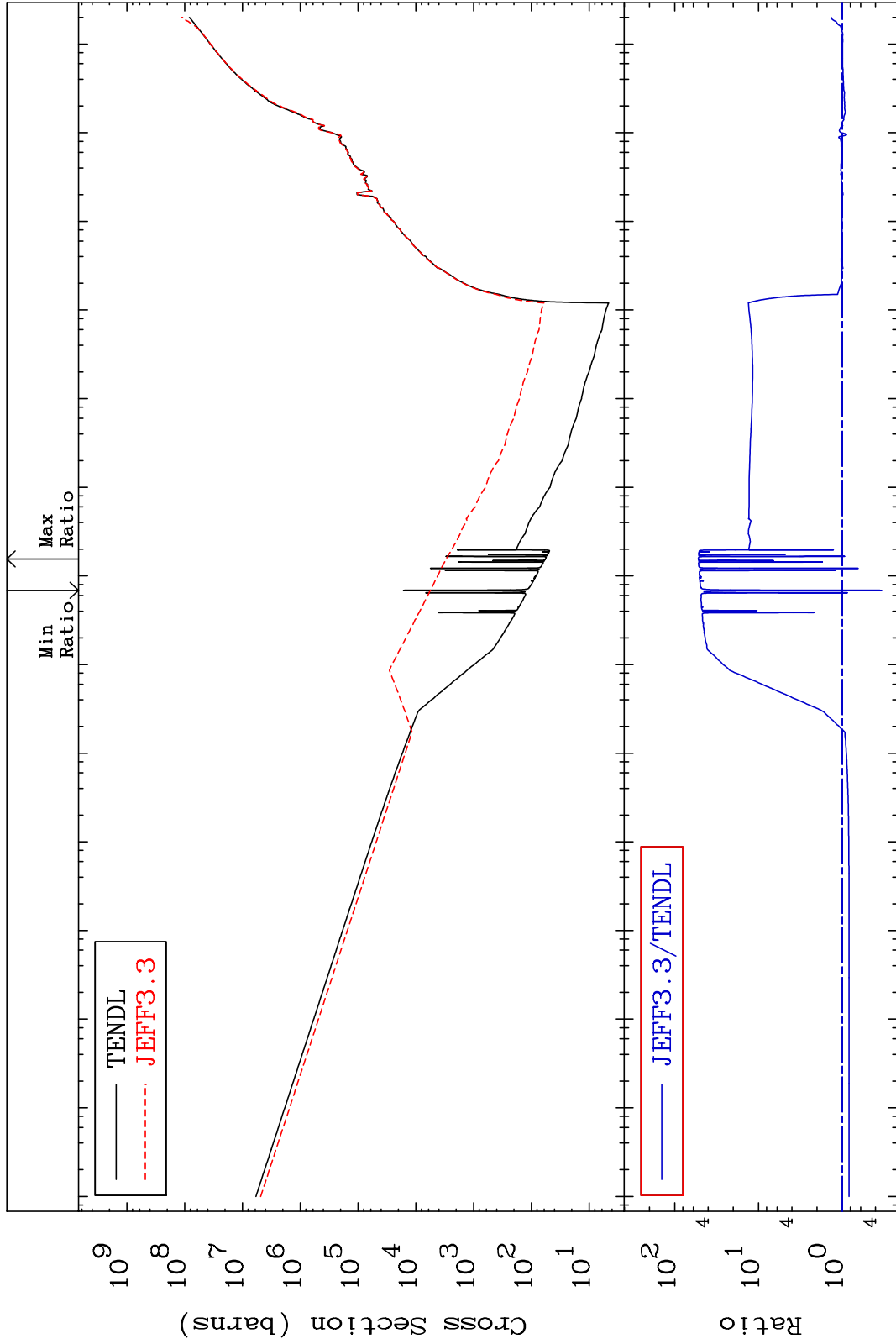
Incident Energy (eV)

76-0s-184

MAT 7625

Kerma non-elastic (all but mt2)
Cross Section

76-0s-184
-66.11 To 5125. %



70

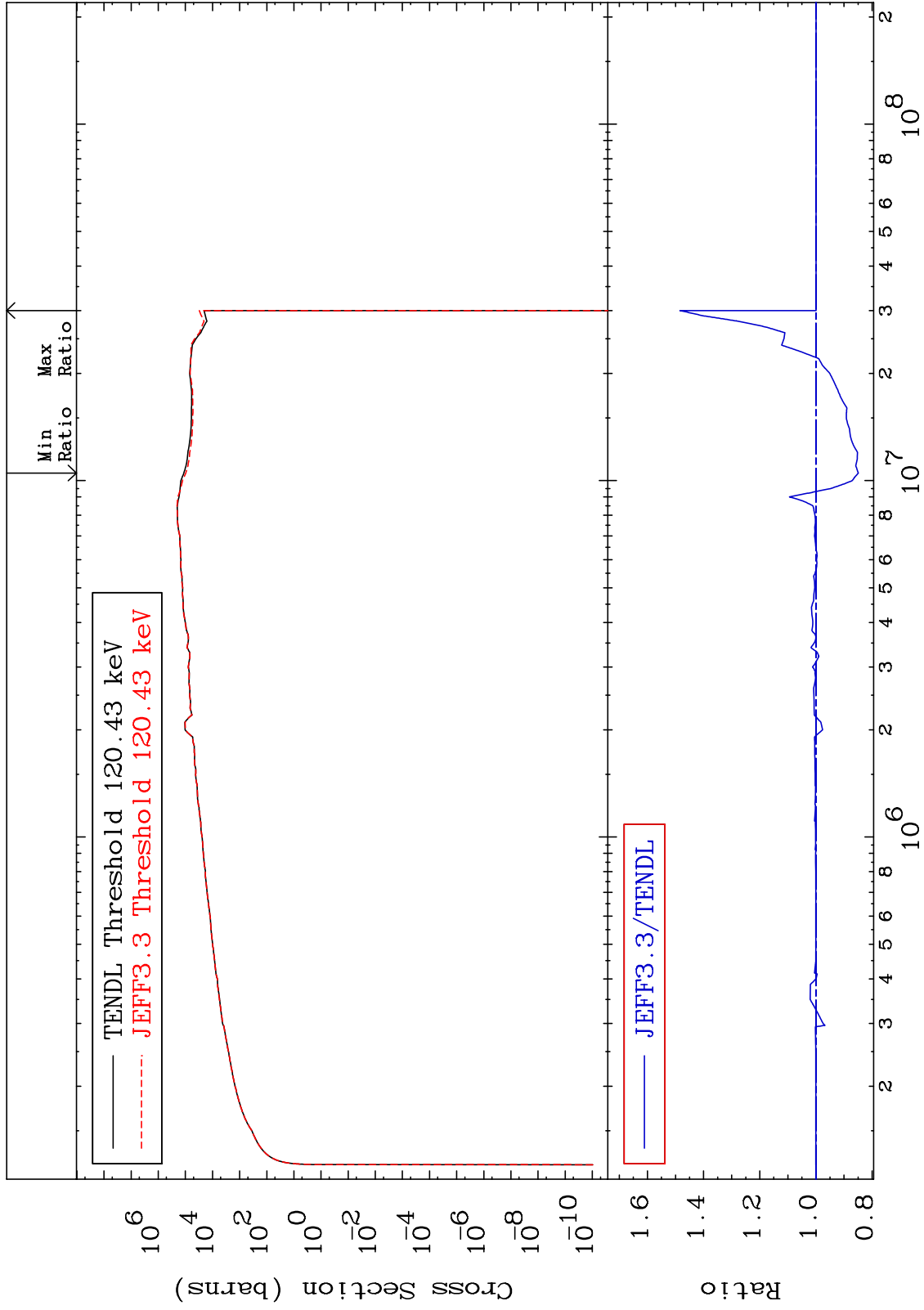
Incident Energy (eV)

76-0s-184

MAT 7625

Kerma inelastic (mt51-91)
Cross Section

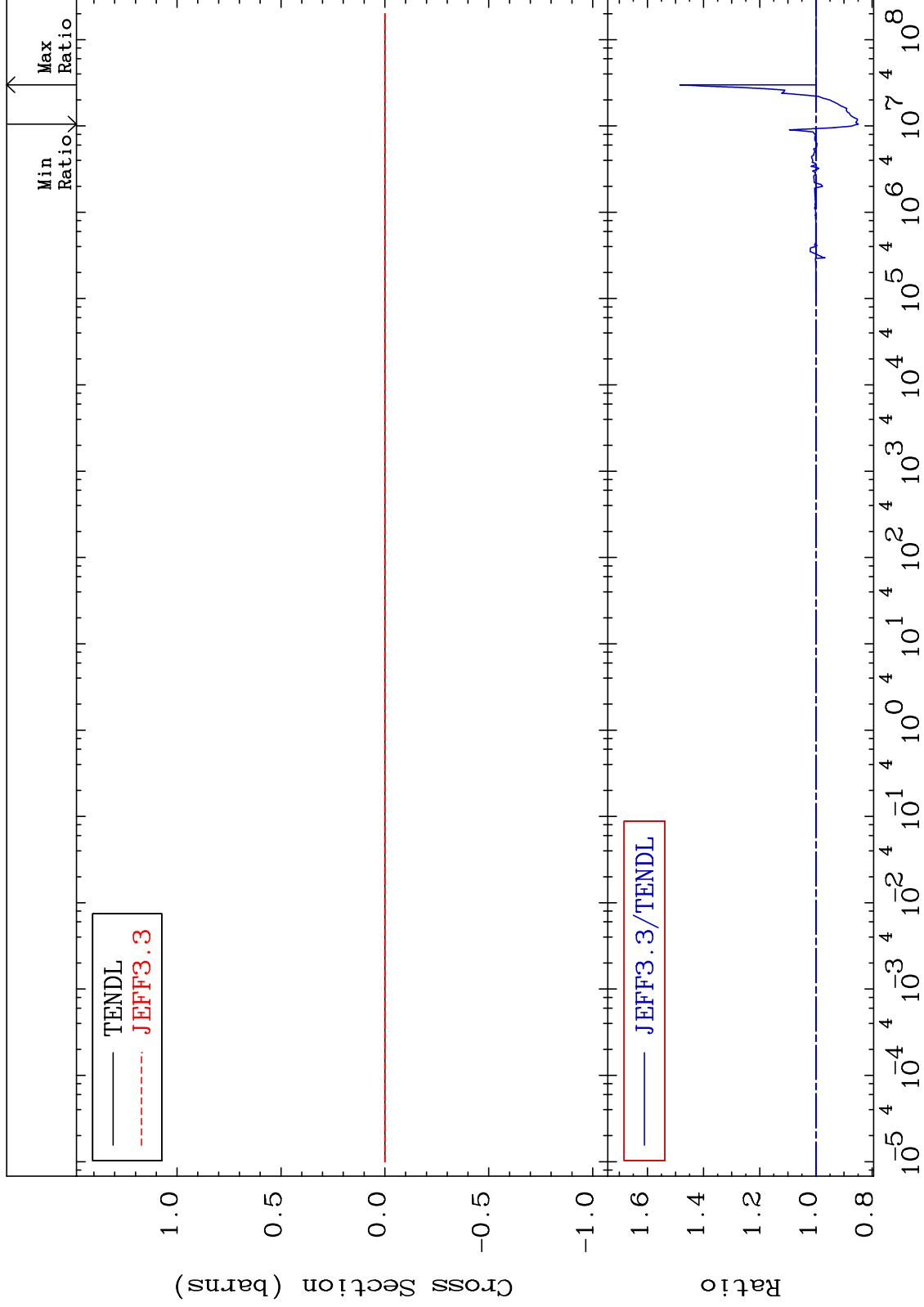
76-Os-184
-15.12 To 48.38 %



MAT 7625

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

76-0s-184
-15.12 To 48.38 %



72

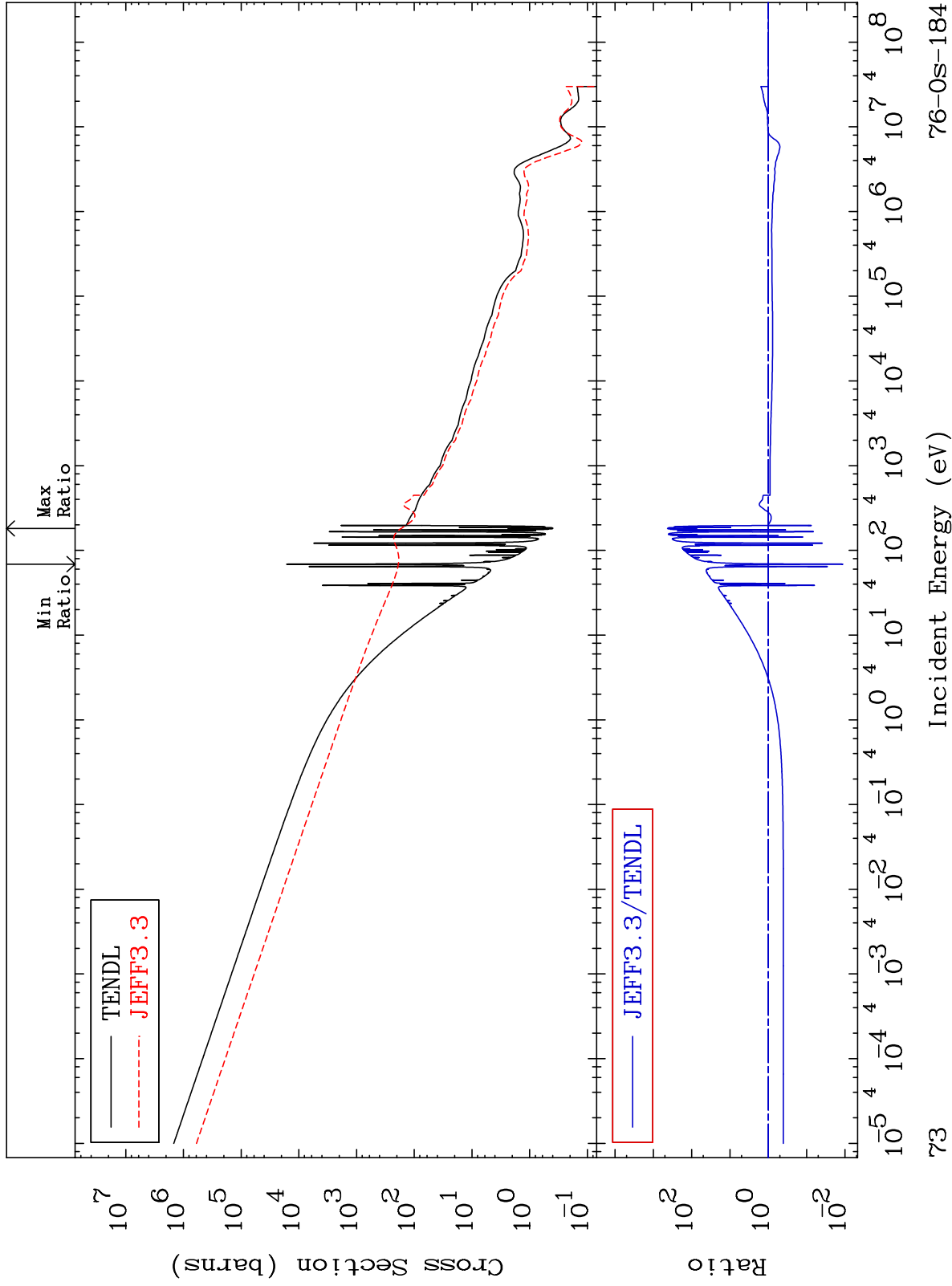
Incident Energy (eV)

76-0s-184

MAT 7625

Kerma capture (mt102)
Cross Section

76-0s-184
-98.85 To 9999. %



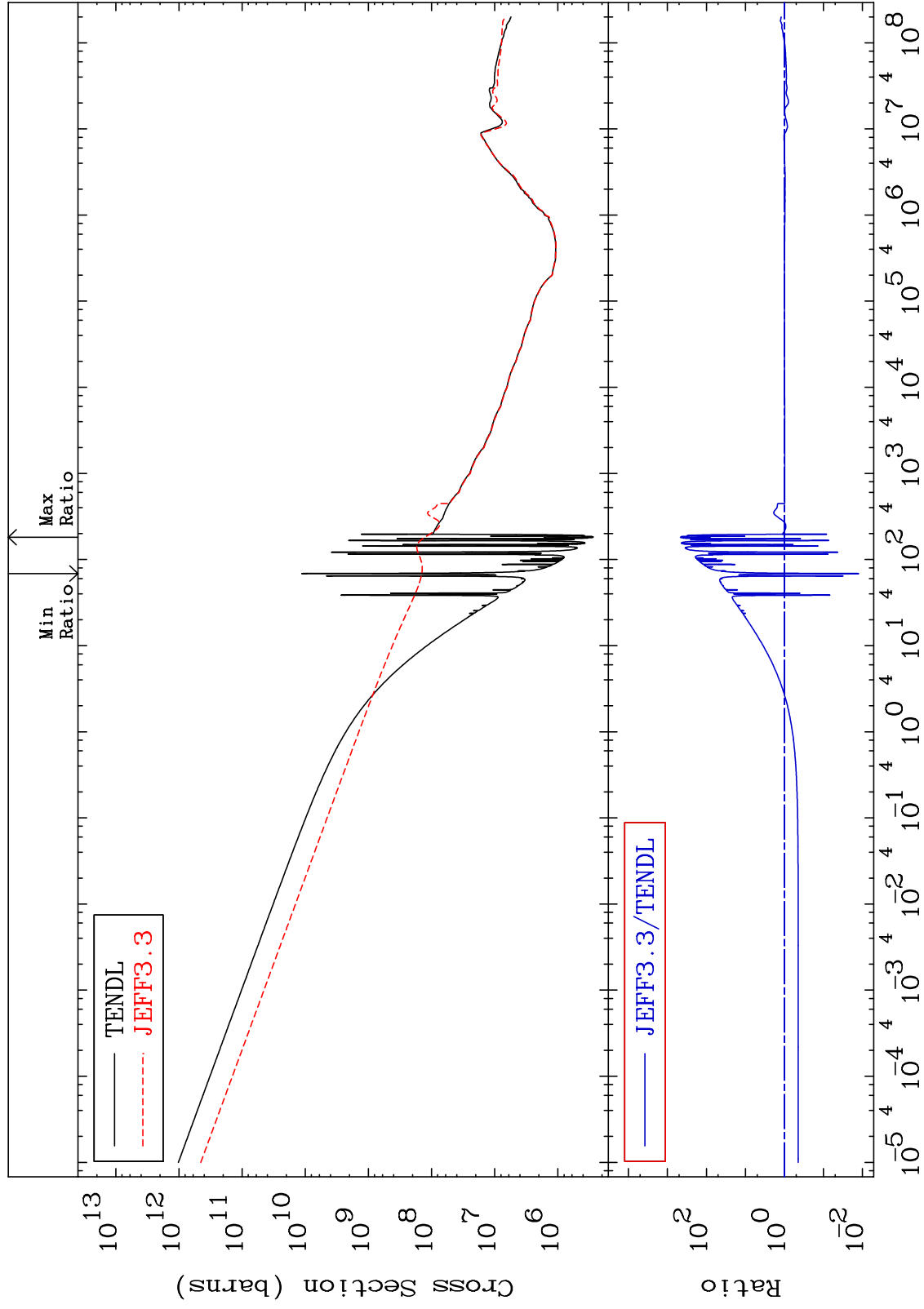
73

76-0s-184

MAT 7625

Total photon (eV-barns)
Cross Section

76-0s-184
-98.74 To 9999. %



74

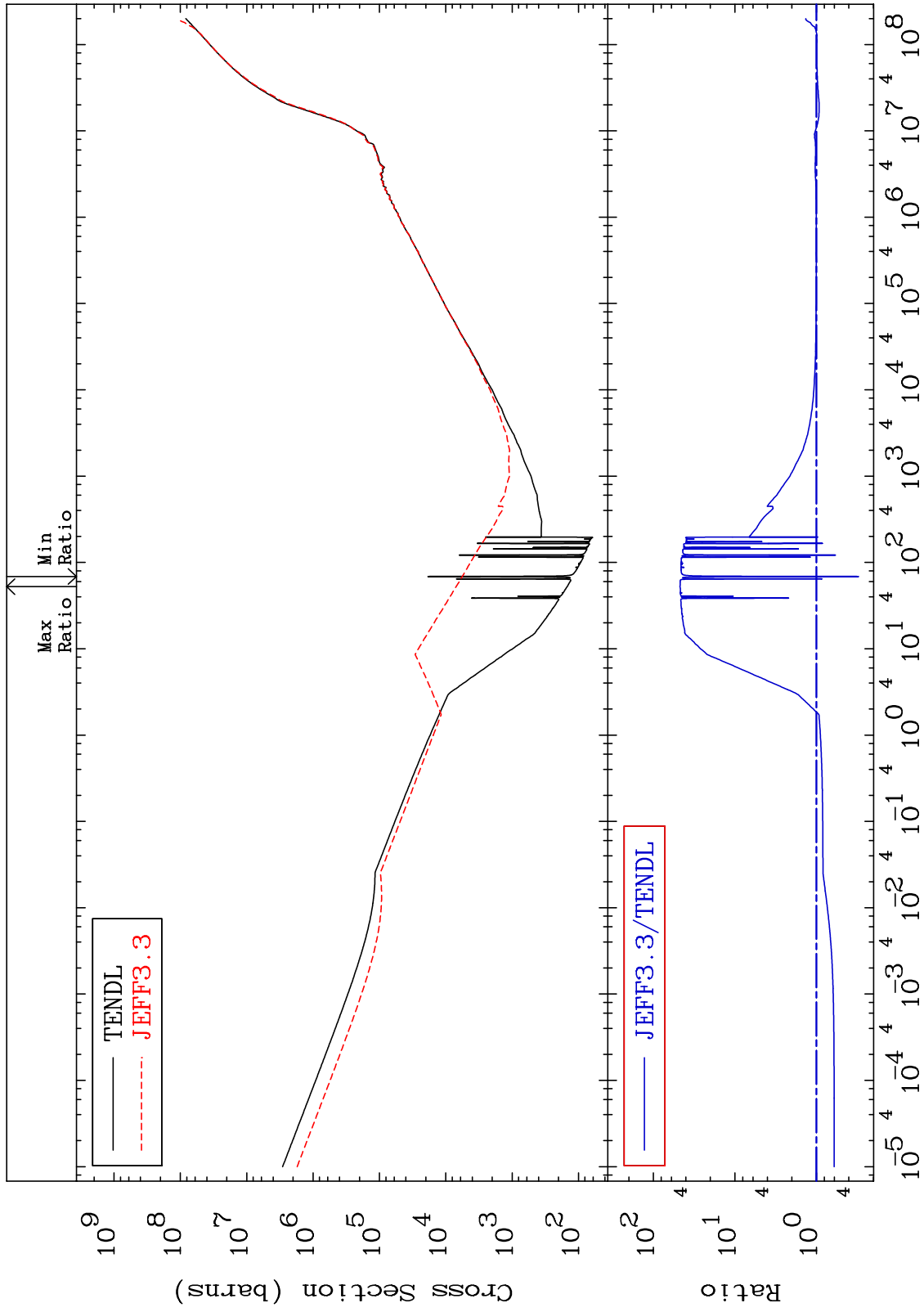
Incident Energy (eV)

76-0s-184

MAT 7625

Total kinematic kerma (high limit)
Cross Section

76-0s-184
-69.50 To 4610. %



75

Incident Energy (eV)

76-0s-184

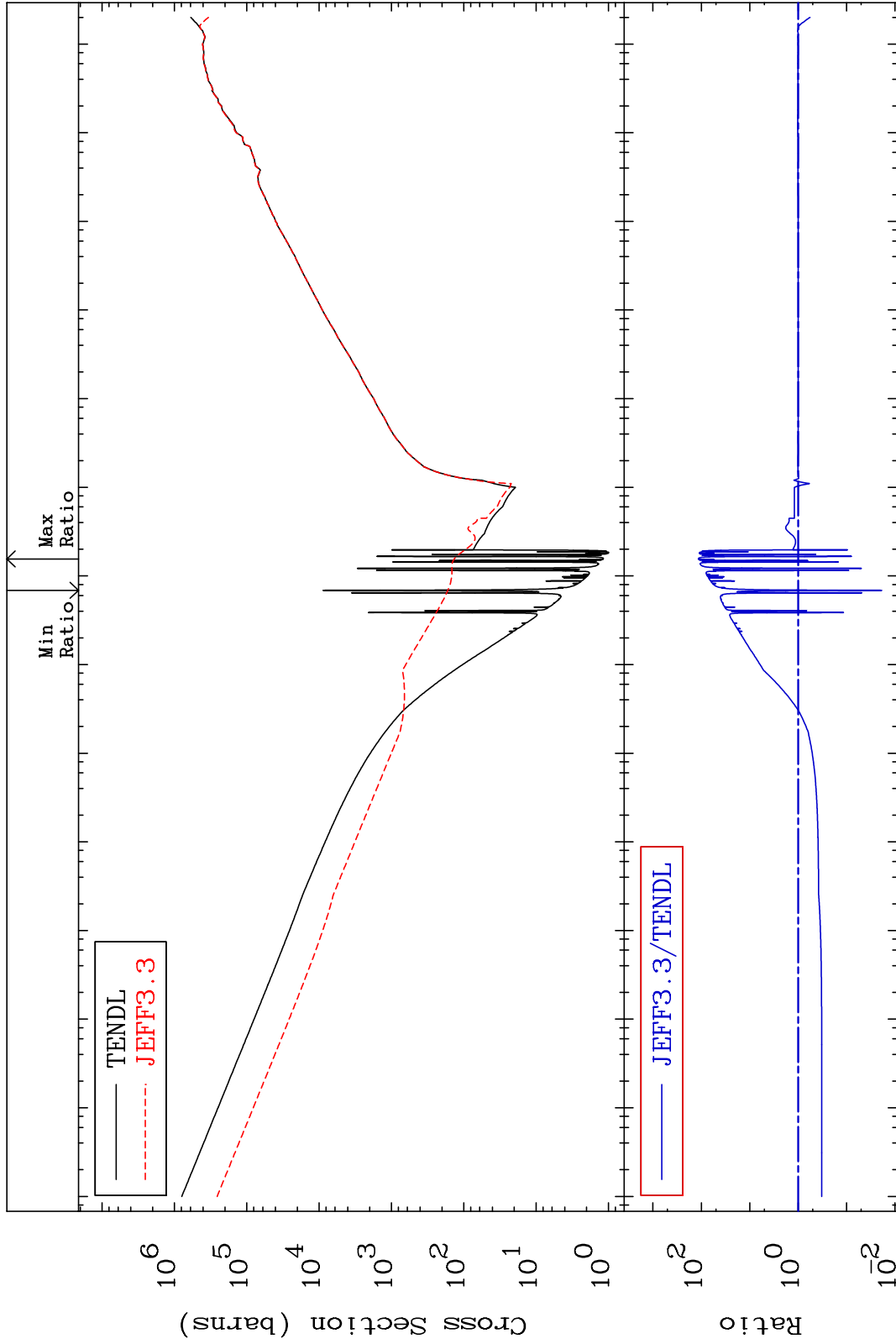
MAT 7625

Dpa total (eV-barns)

76-0s-184

-98.11 To 9999. %

Cross Section



76-0s-184

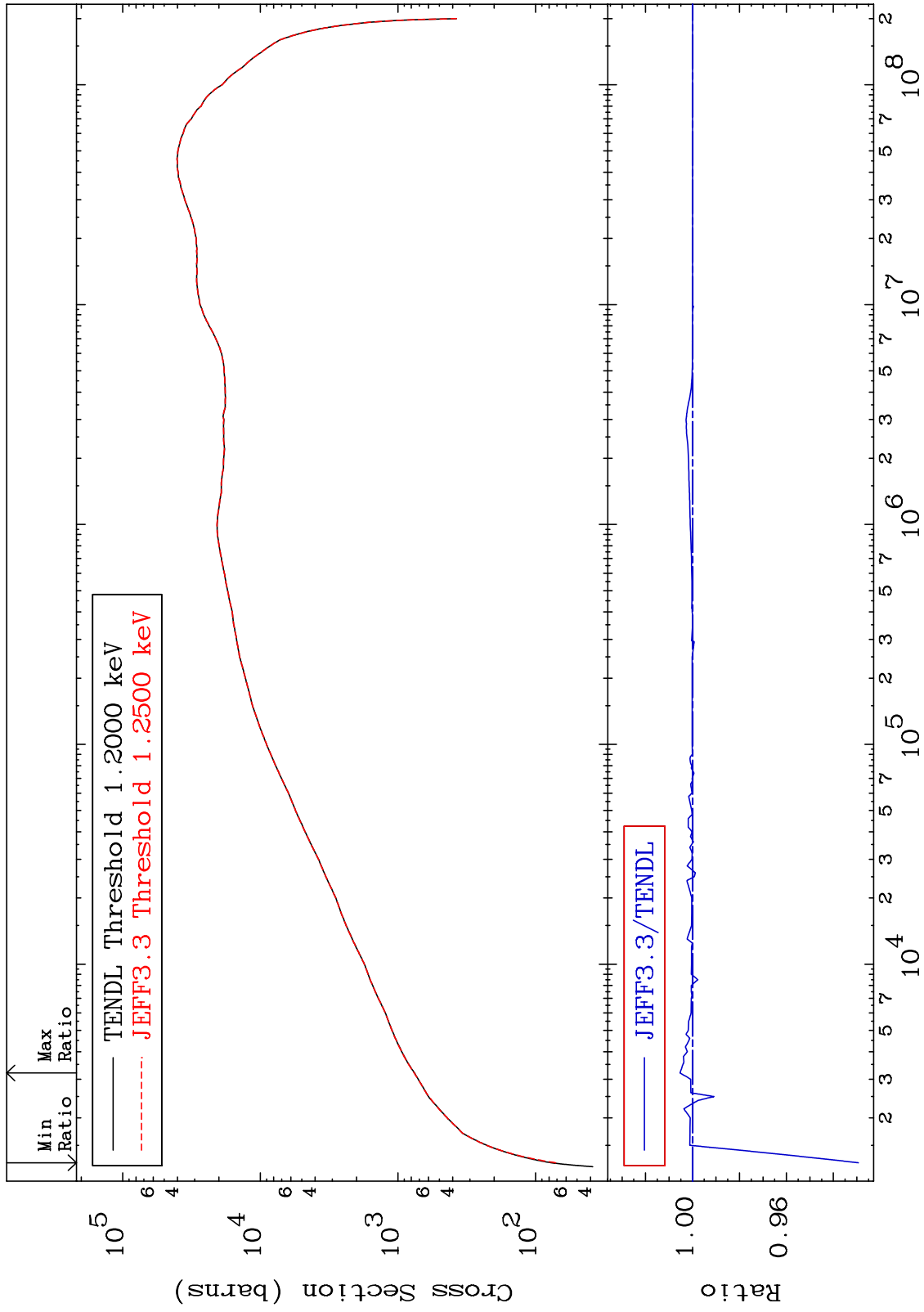
Incident Energy (eV)

76

MAT 7625

Dpa elastic (mt2)
Cross Section

76-0s-184
-7.066 To 0.532 %



77

Incident Energy (eV)

76-0s-184

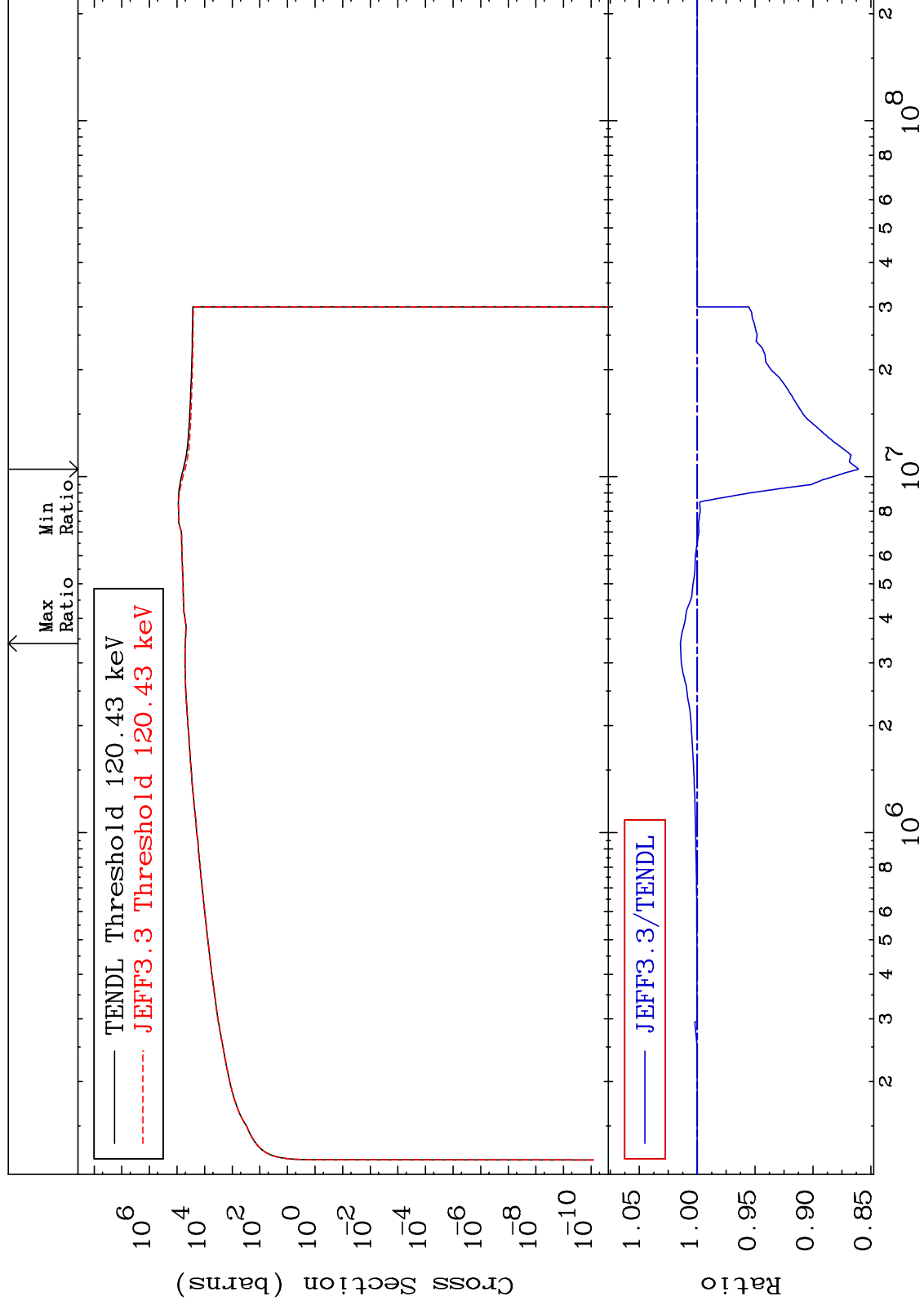
MAT 7625

Dpa inelastic (mt51-91)

76-Os-184

-13.94 To 1.443 %

Cross Section



78

Incident Energy (eV)

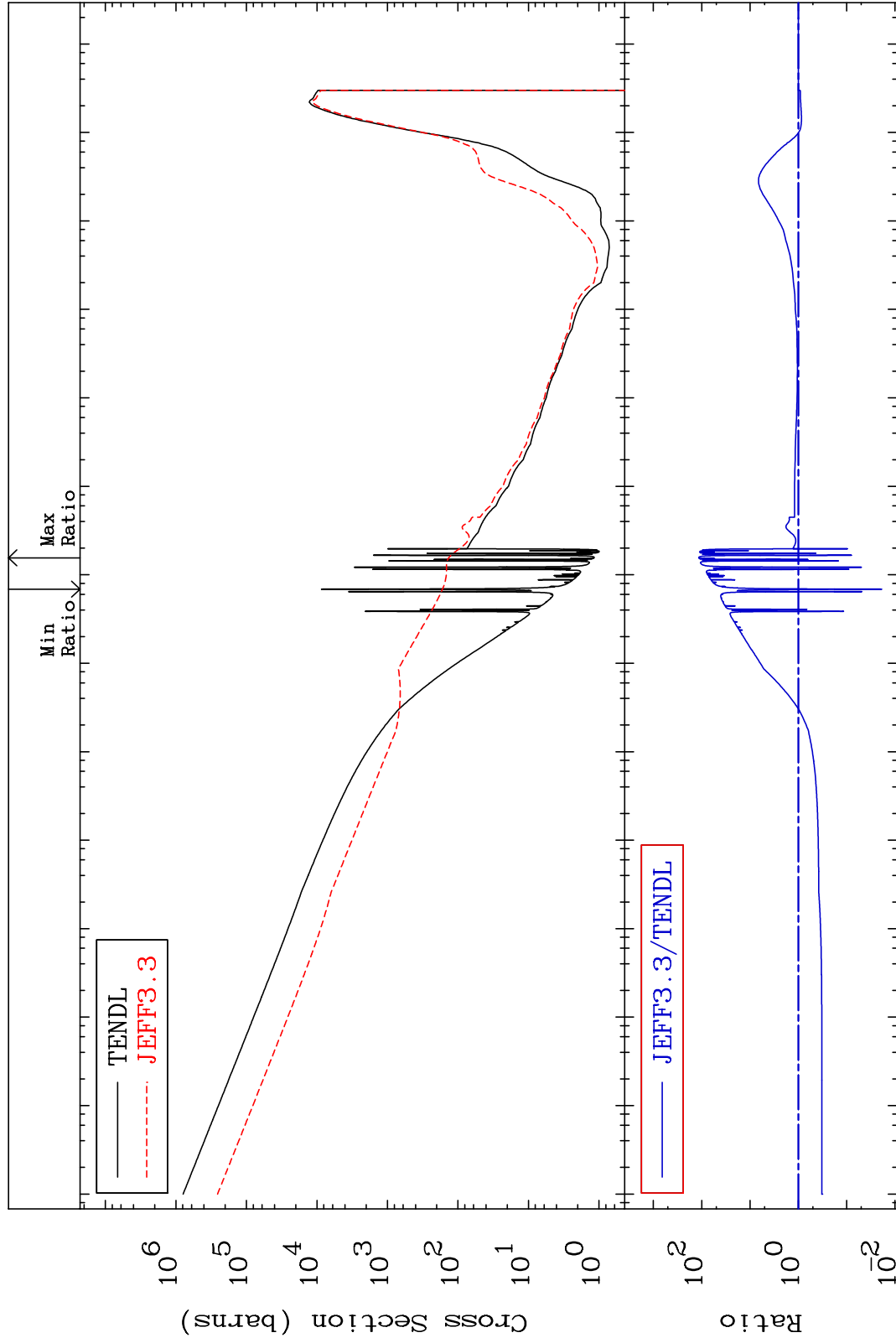
76-Os-184

MAT 7625

Dpa disappearance (mt102 -120)

-98.11 To 9999. %

76-0s-184



79

Incident Energy (eV)

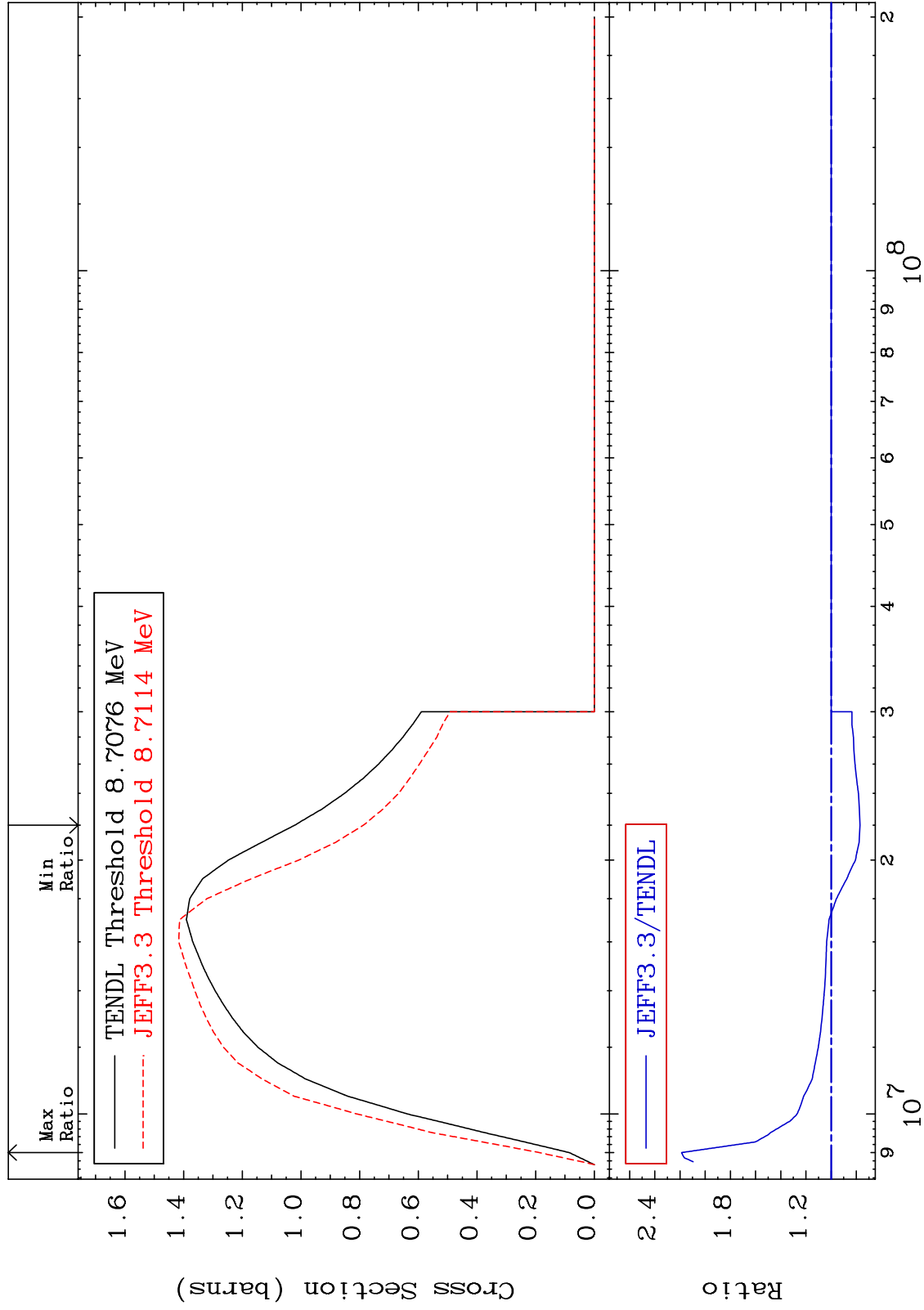
76-0s-184

MAT 7625

(n,2n):76-Os-183g

76-Os-184

Radionuclide Production Cross Section -22.96 To 118.7 %



80

Incident Energy (eV)

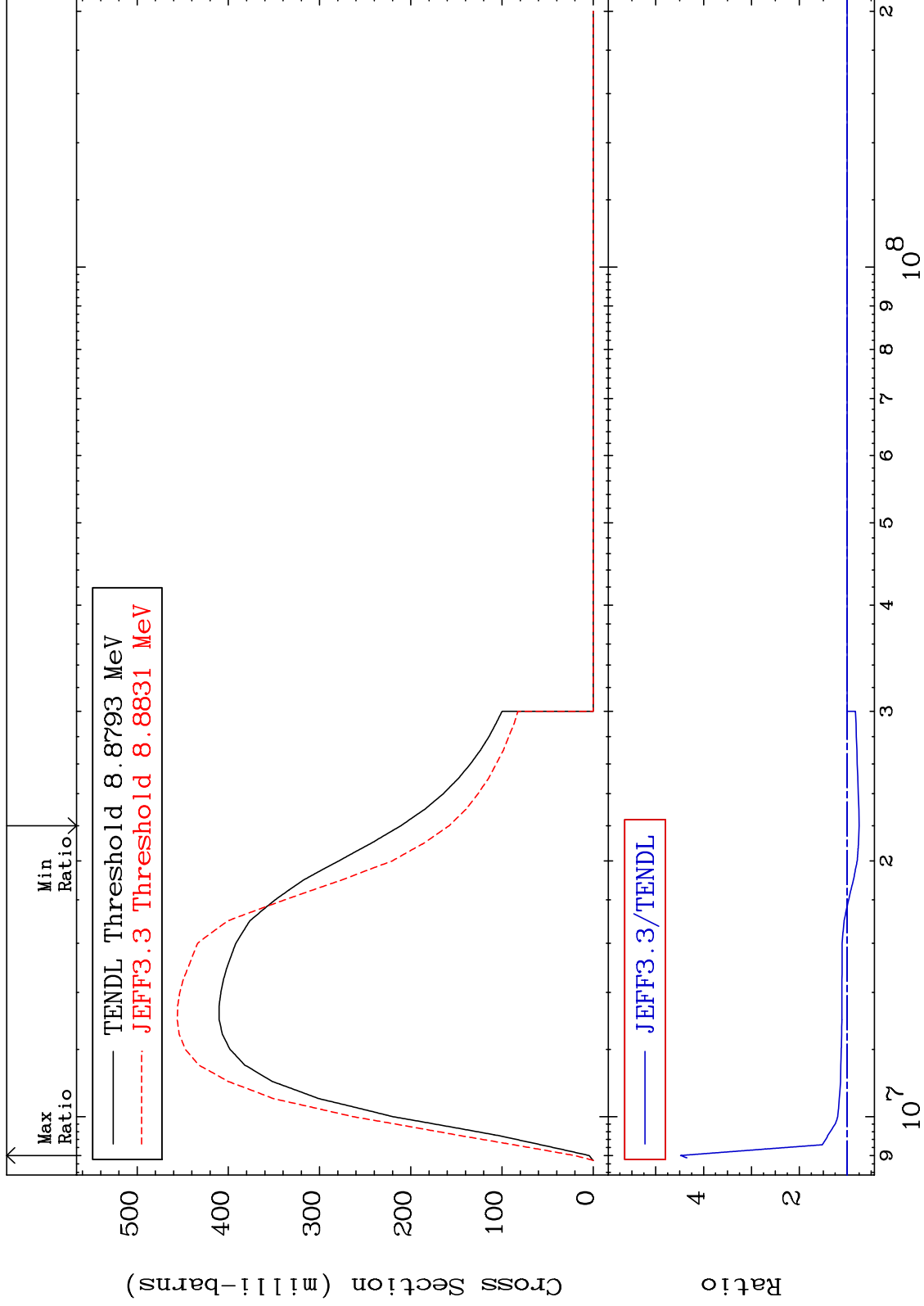
76-Os-184

MAT 7625

(n,2n): 76-Os-183m2

76-Os-184

Radionuclide Production Cross Section -25.07 To 348.0 %



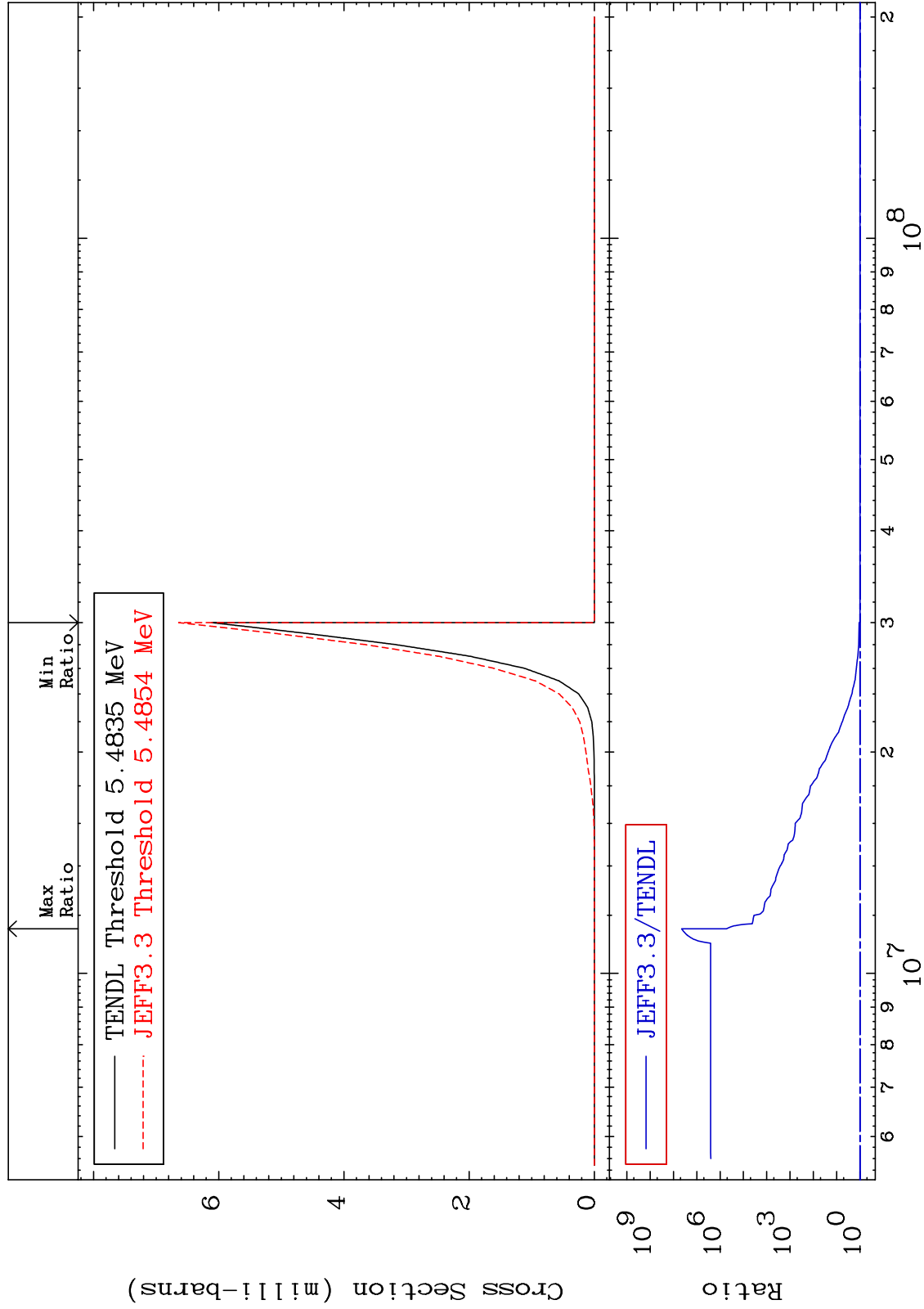
81

Incident Energy (eV)

76-Os-184

MAT 7625

(n,2n) α :74-W -179g 76-0s-184
Radionuclide Production Cross Section 0.000 To 9999. %

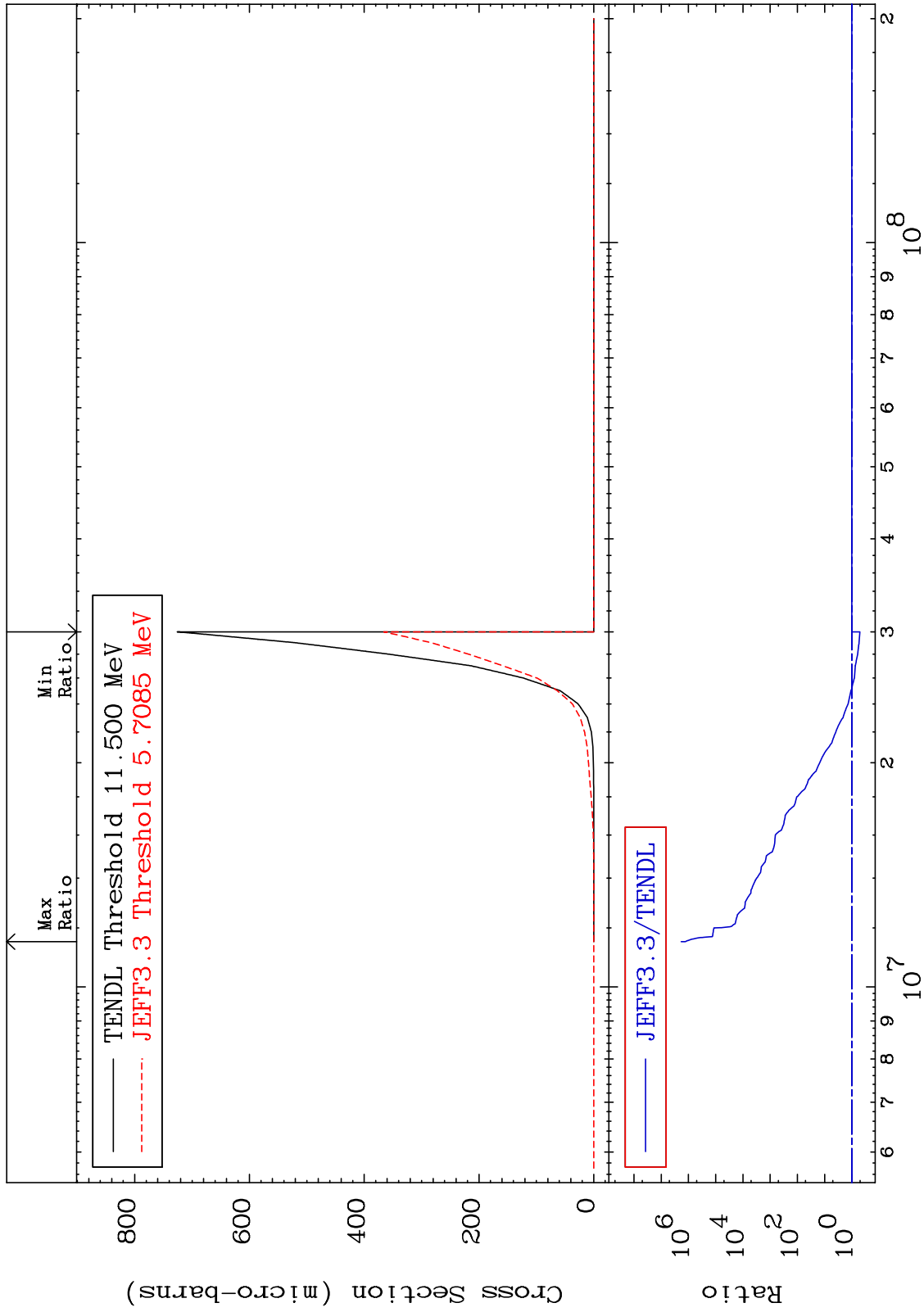


MAT 7625

(n,2n) α :74-W -179m2

76-0s-184

Radionuclide Production Cross Section -49.58 To 9999. %



83

Incident Energy (eV)

76-0s-184

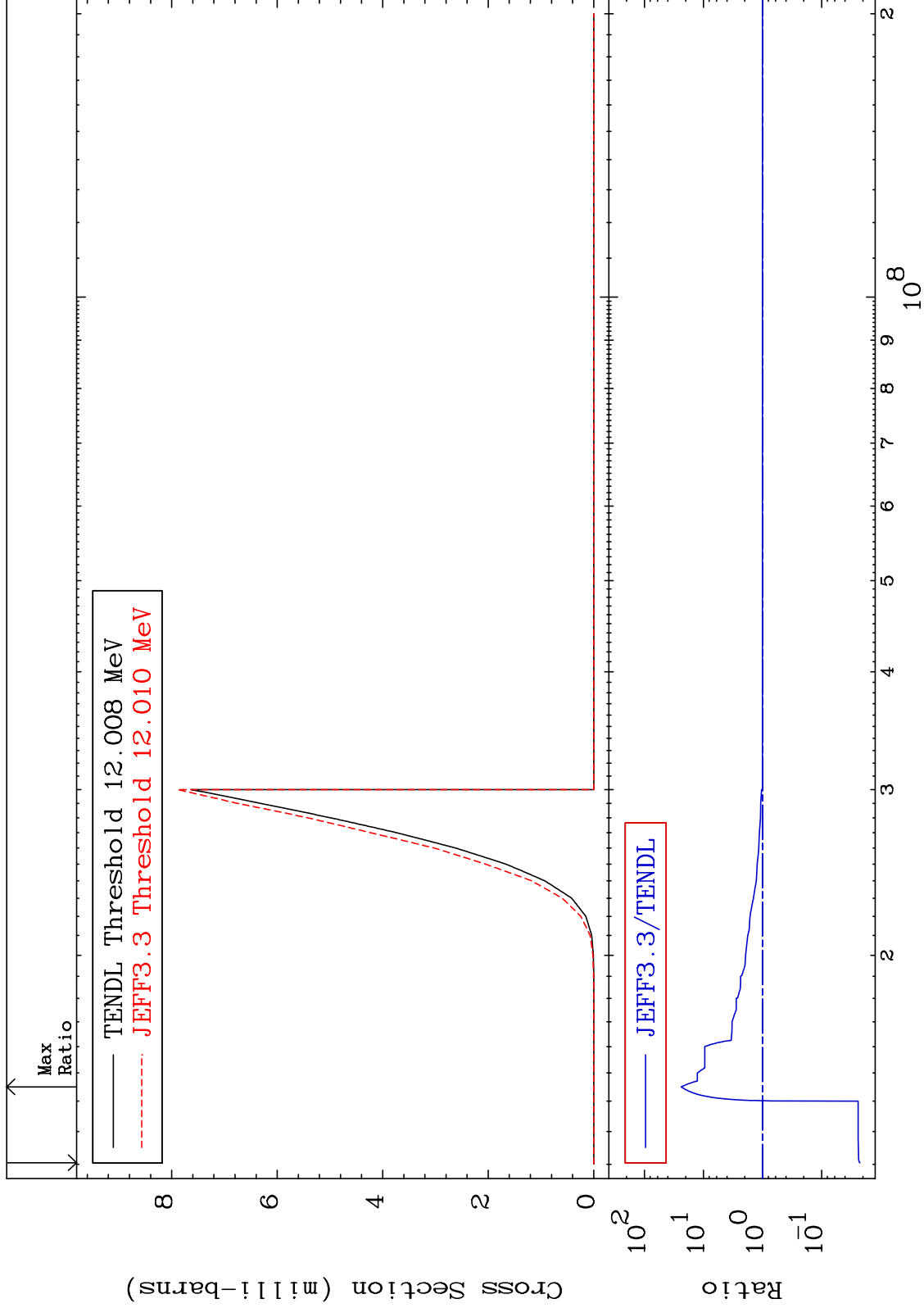
MAT 7625

(n, n') d:75-Re-182g

76-0s-184

Radionuclide Production Cross Section

-97.76 To 2278. %

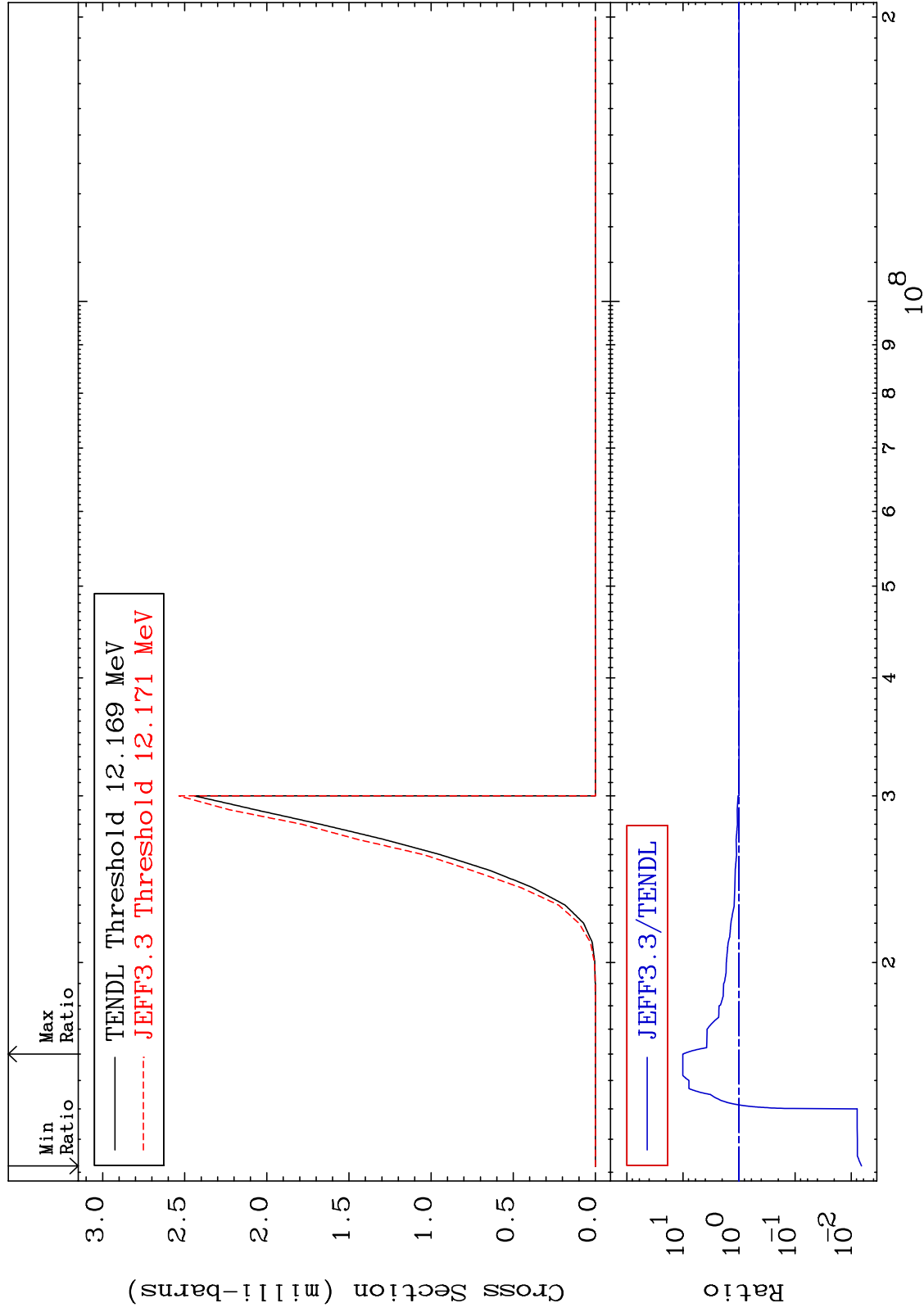


MAT 7625

(n, n') d:75-Re-182m2

76-0s-184

Radionuclide Production Cross Section -99.35 To 903.9 %

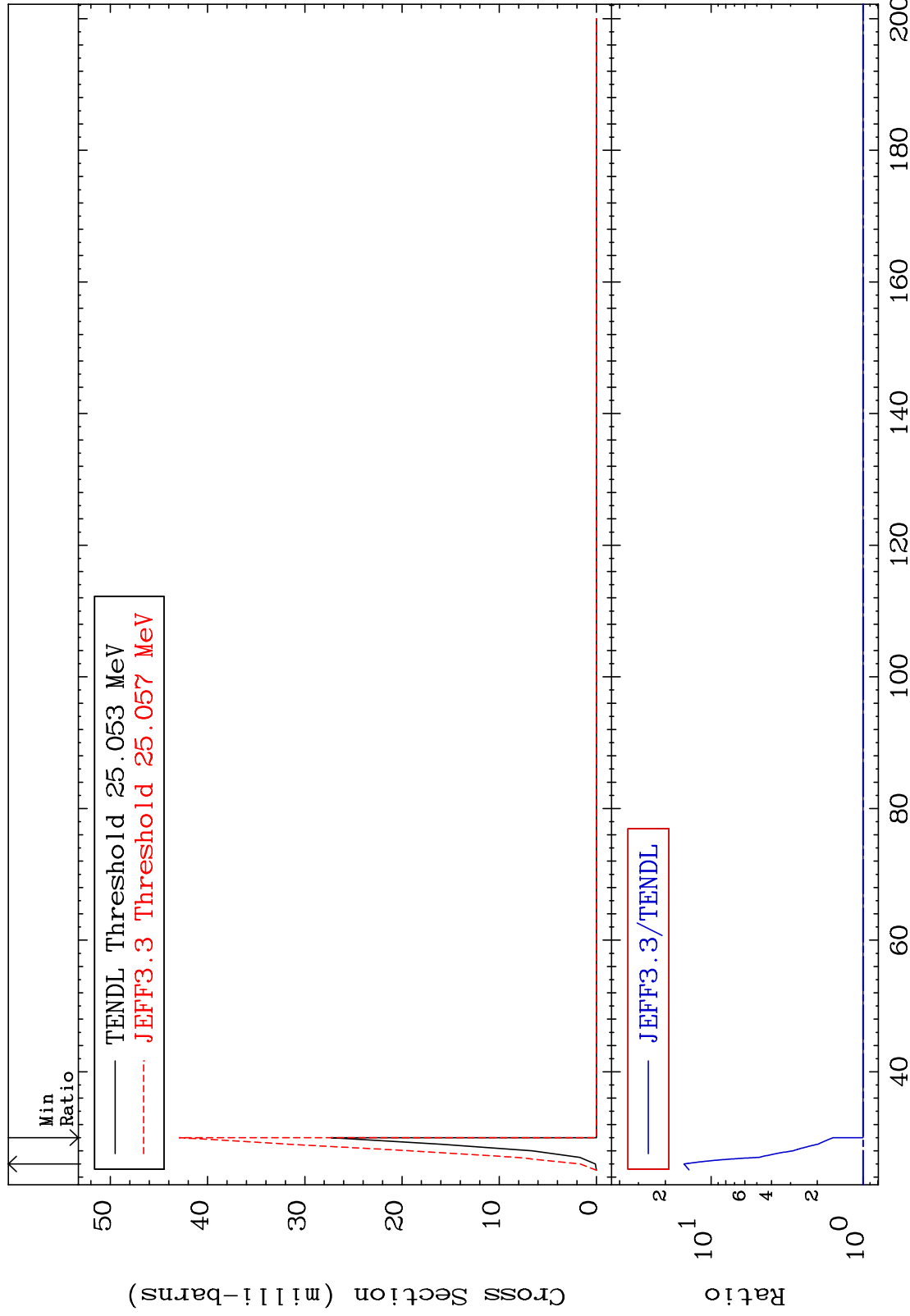


MAT 7625

(n,4n):76-Os-181g

76-Os-184

Radionuclide Production Cross Section 0.000 To 1406. %

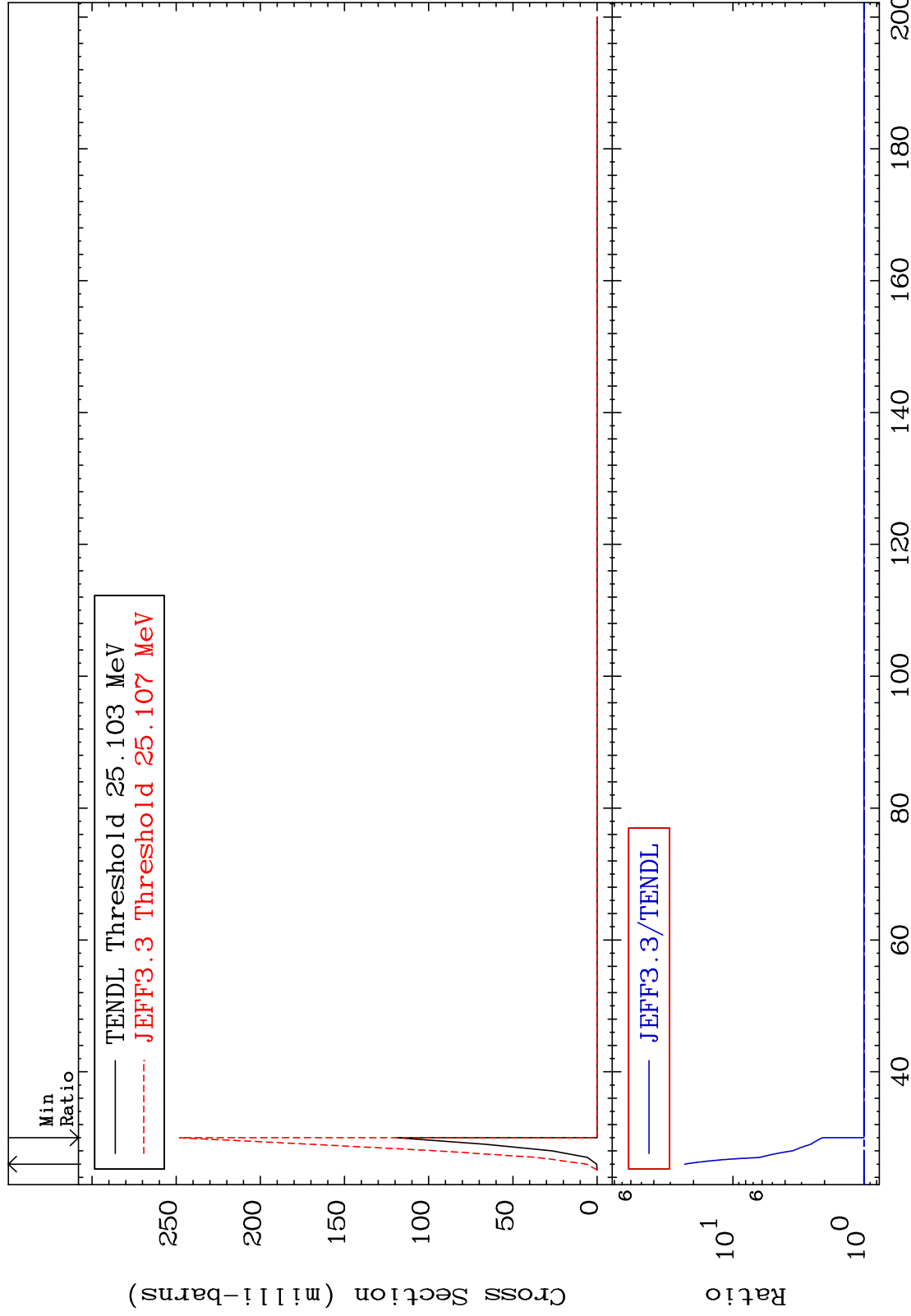


MAT 7625

(n, 4n): 76-Os-181m1

76-Os-184

Radionuclide Production Cross Section 0.000 To 2227. %

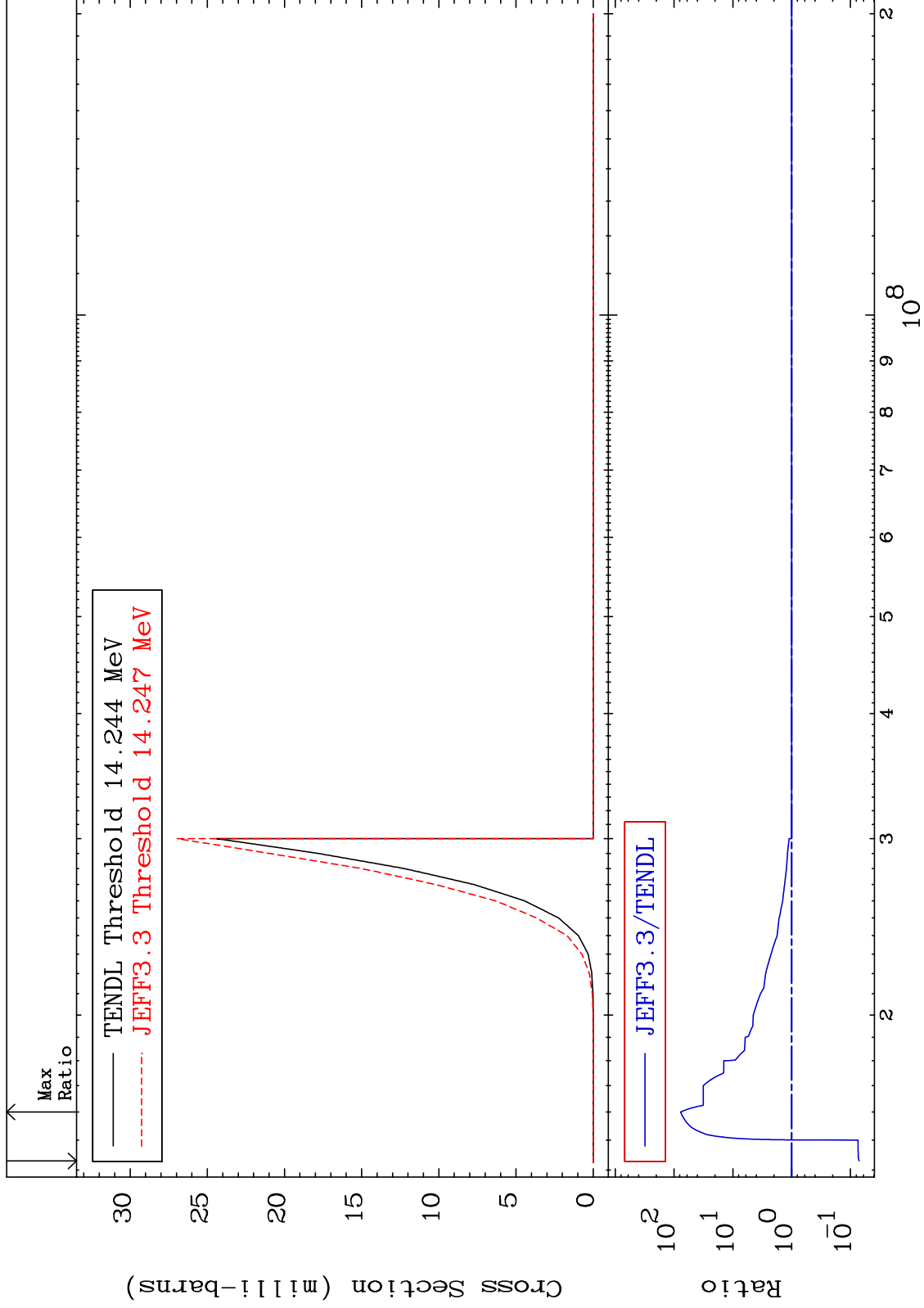


MAT 7625

(n,2n) p:75-Re-182g

76-Os-184

Radionuclide Production Cross Section -92.88 To 7619. %

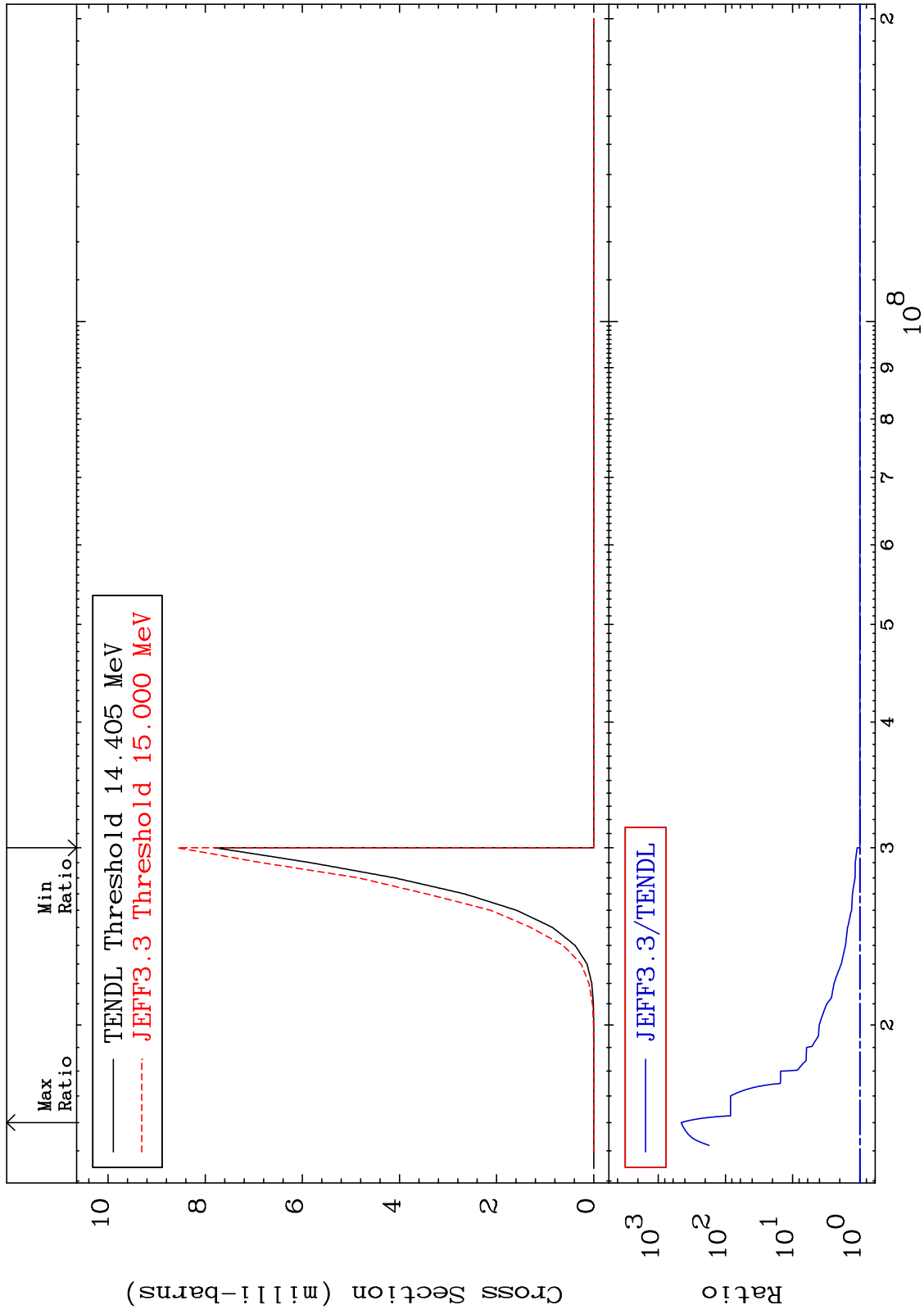


MAT 7625

(n,2n) p:75-Re-182m2

76-0s-184

Radionuclide Production Cross Section 0.000 To 9999. %

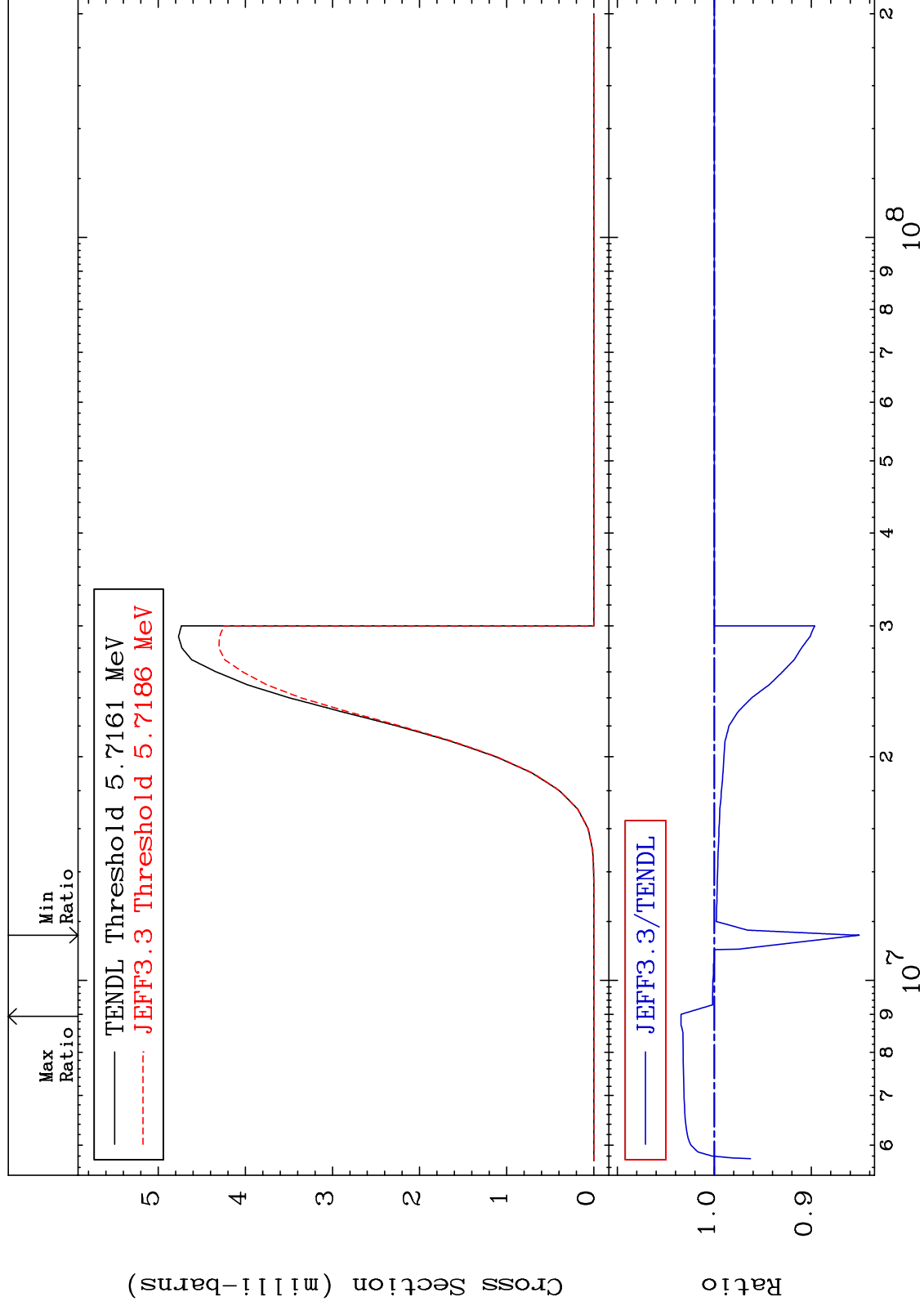


MAT 7625

(n, t): 75-Re-182g

76-0s-184

Radionuclide Production Cross Section -14.93 To 3.427 %



90

Incident Energy (eV)

76-0s-184

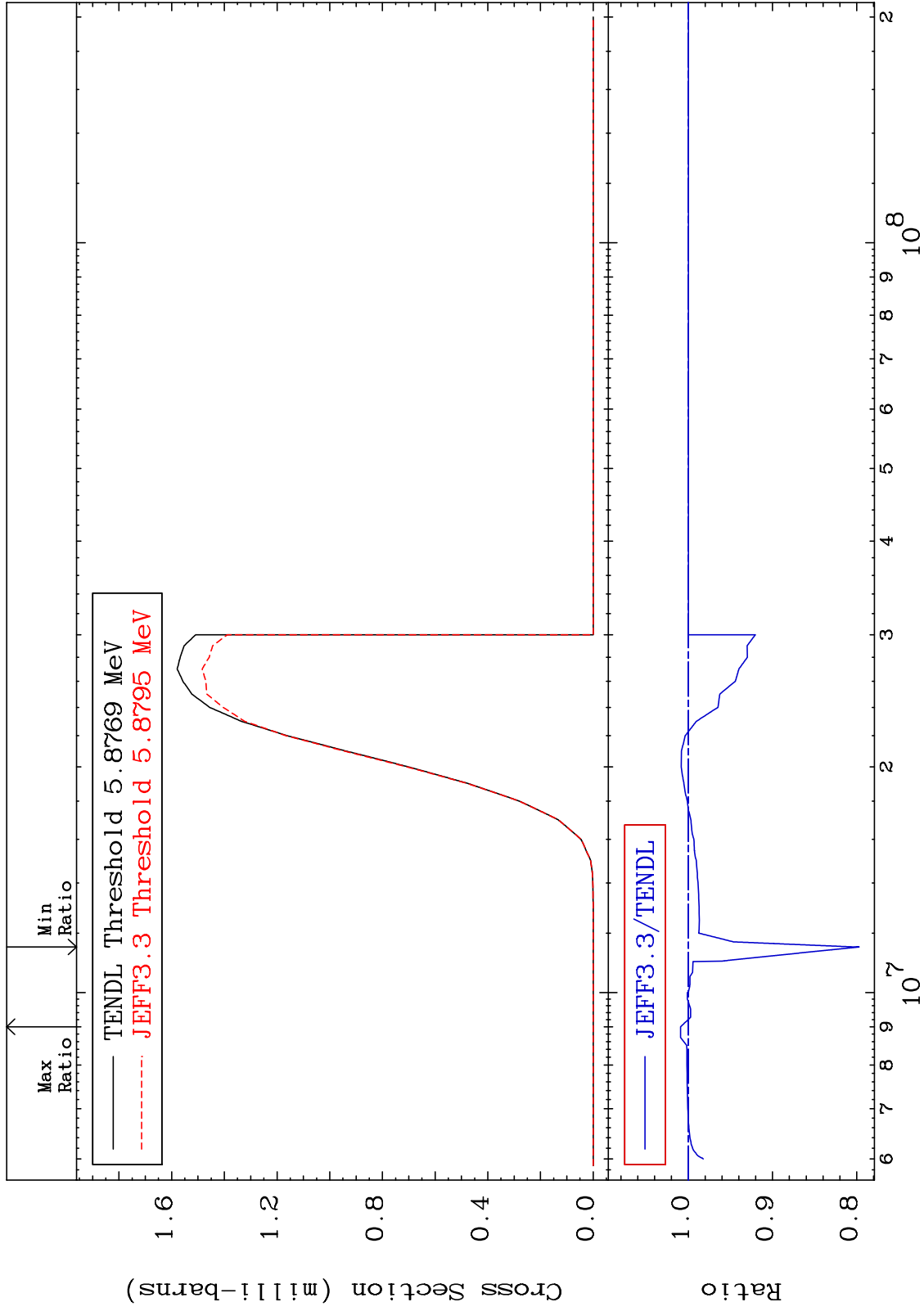
MAT 7625

(n, t) : 75-Re-182m2

76-0s-184

Radionuclide Production Cross Section

-20.29 To 0.915 %

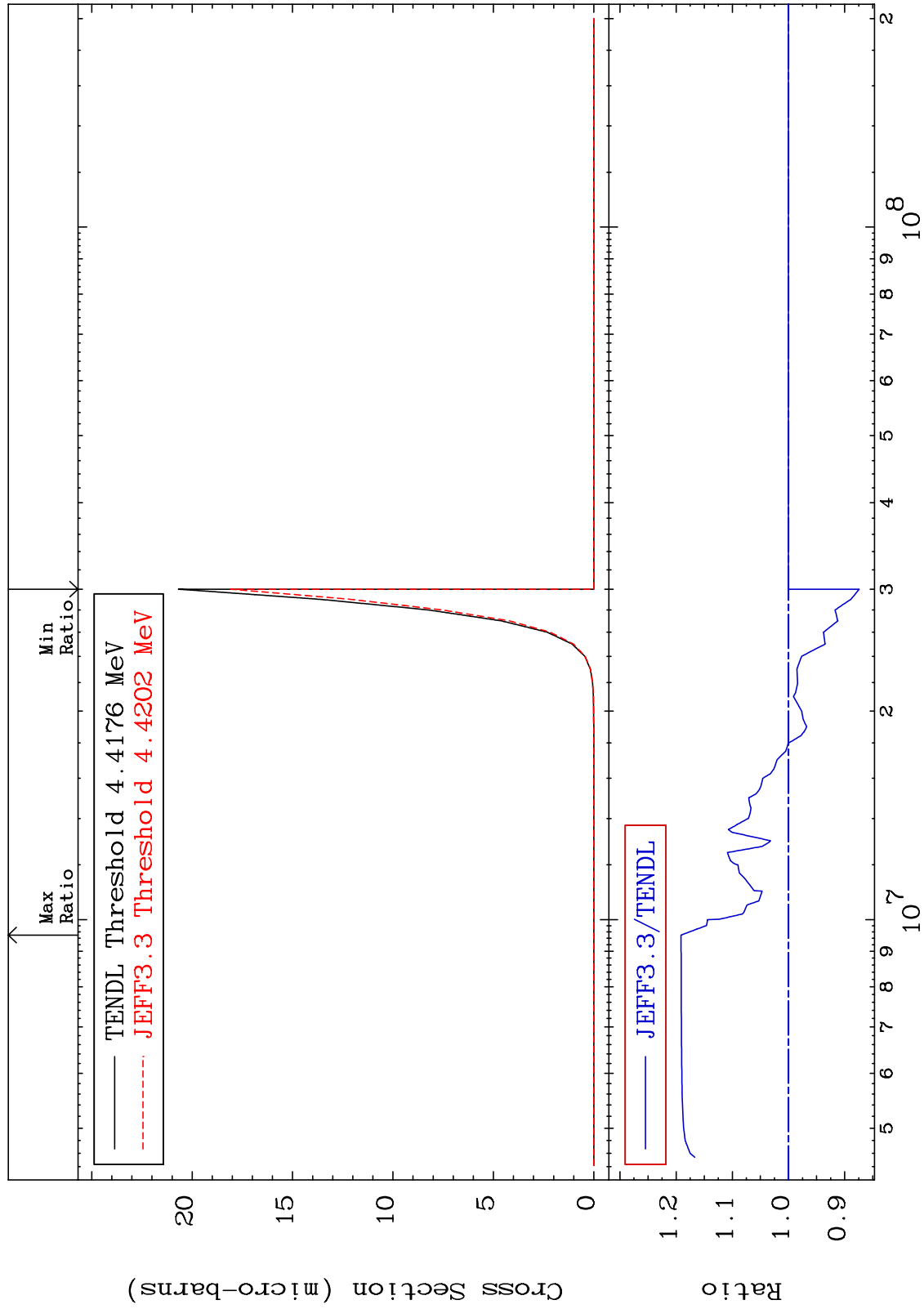


MAT 7625

(n,2p):74-W -183g

76-0s-184

Radionuclide Production Cross Section -12.59 To 19.12 %



92

Incident Energy (eV)

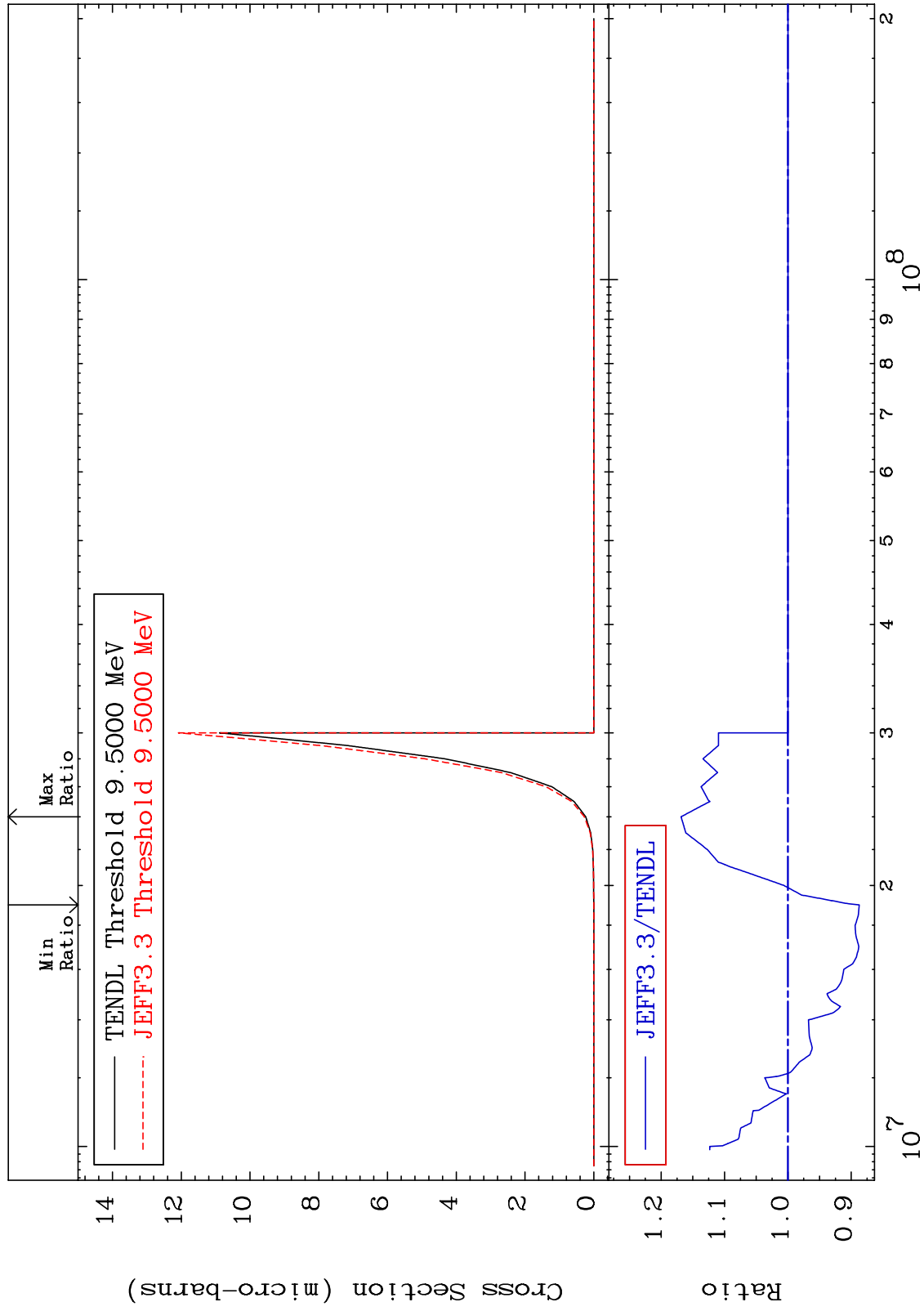
76-0s-184

MAT 7625

(n,2p):74-W -183m7

76-0s-184

Radionuclide Production Cross Section -11.26 To 16.86 %



Incident Energy (eV)

76-0s-184

93