

Program Complot
(Version 2018-1)

by

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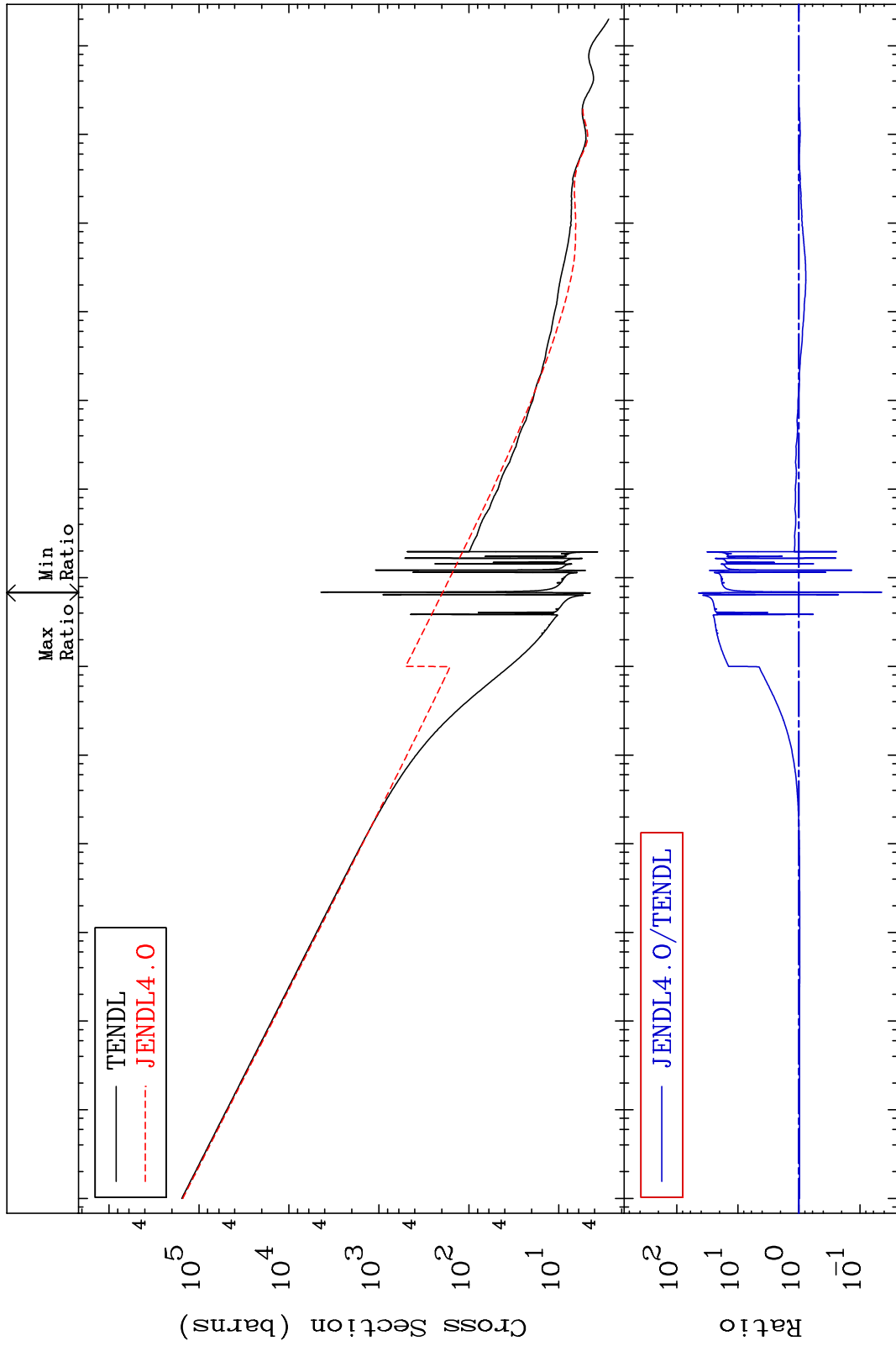
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7625

Total
Cross Section

76-0s-184
-95.58 To 4334. %



1

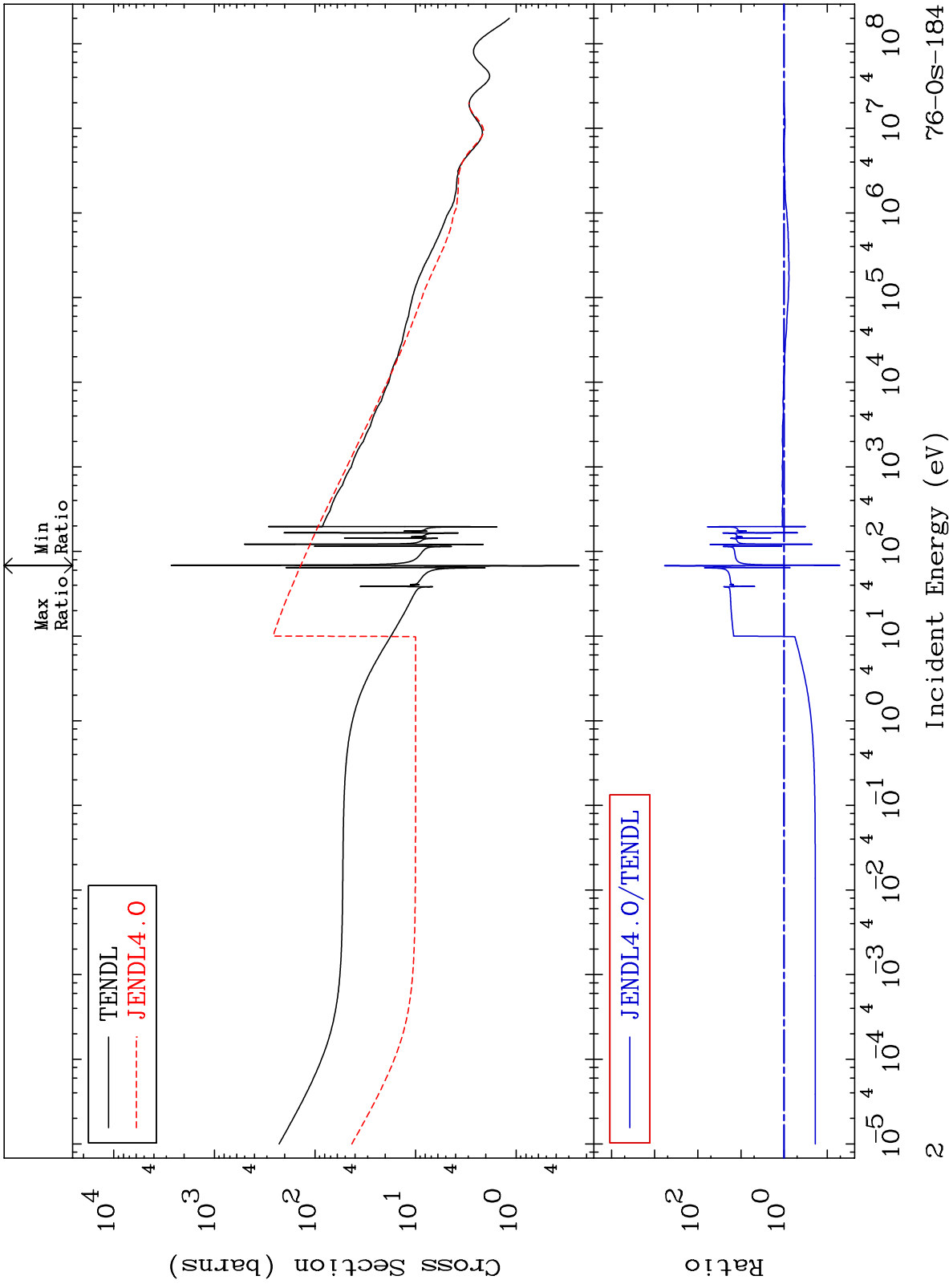
Incident Energy (eV)

76-0s-184

MAT 7625

Elastic
Cross Section

76-0s-184
-94.85 To 9999. %

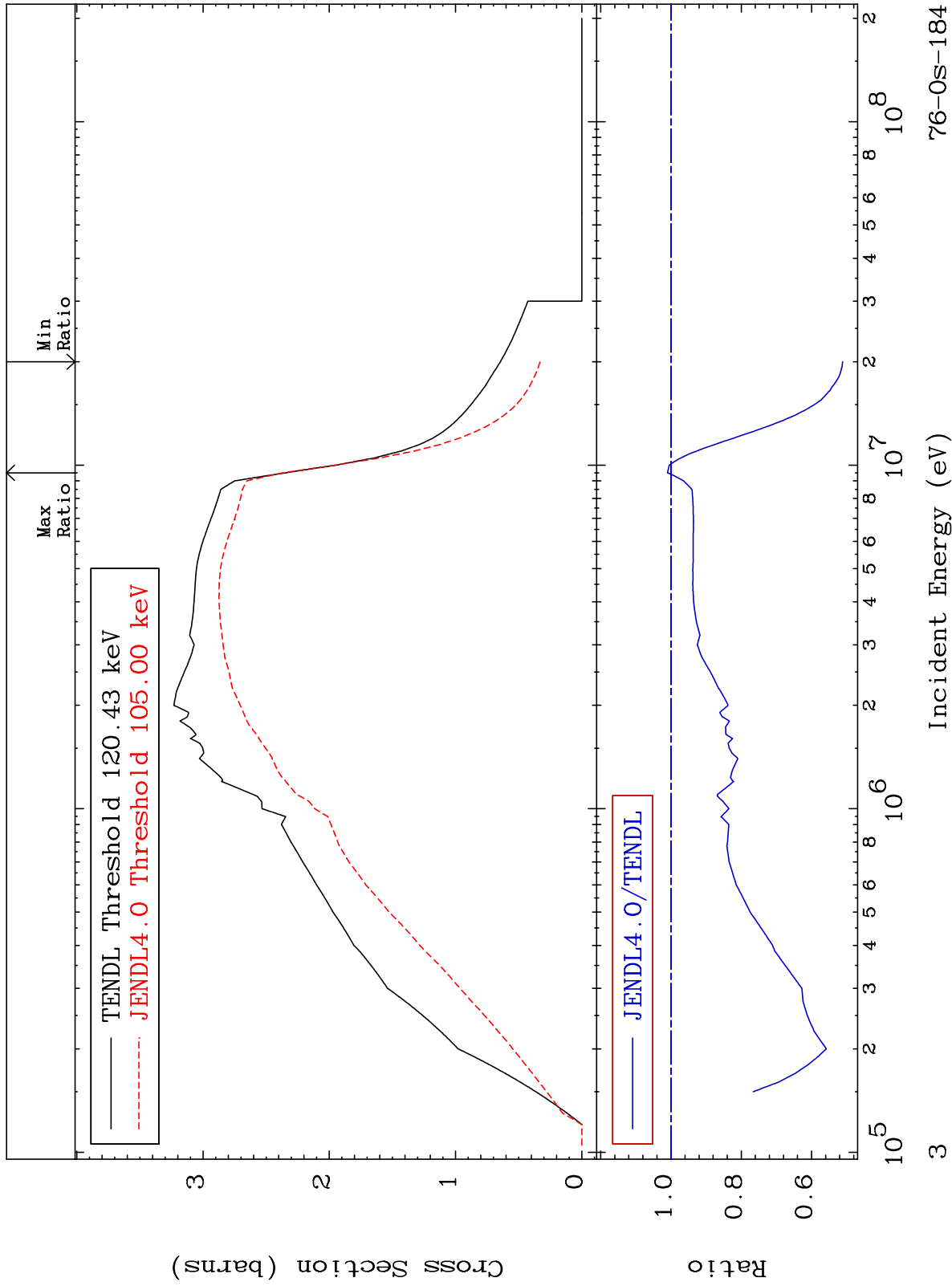


76-0s-184

Incident Energy (eV)

MAT 7625

Inelastic Cross Section
76-0s-184
-48.84 To 0.975 %



76-0s-184

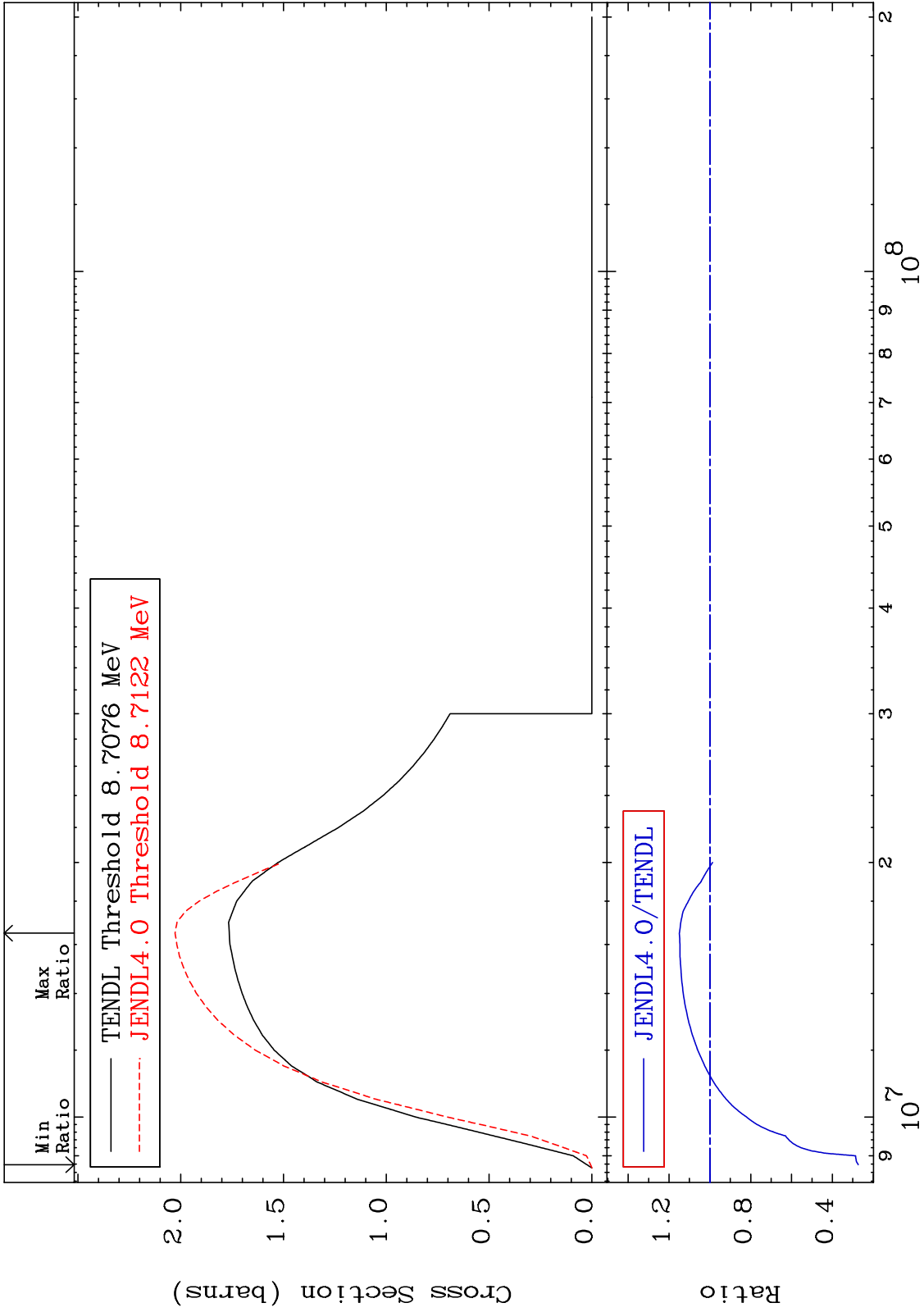
MAT 7625

(n,2n)

76-0s-184

Cross Section

-72.65 To 14.95 %



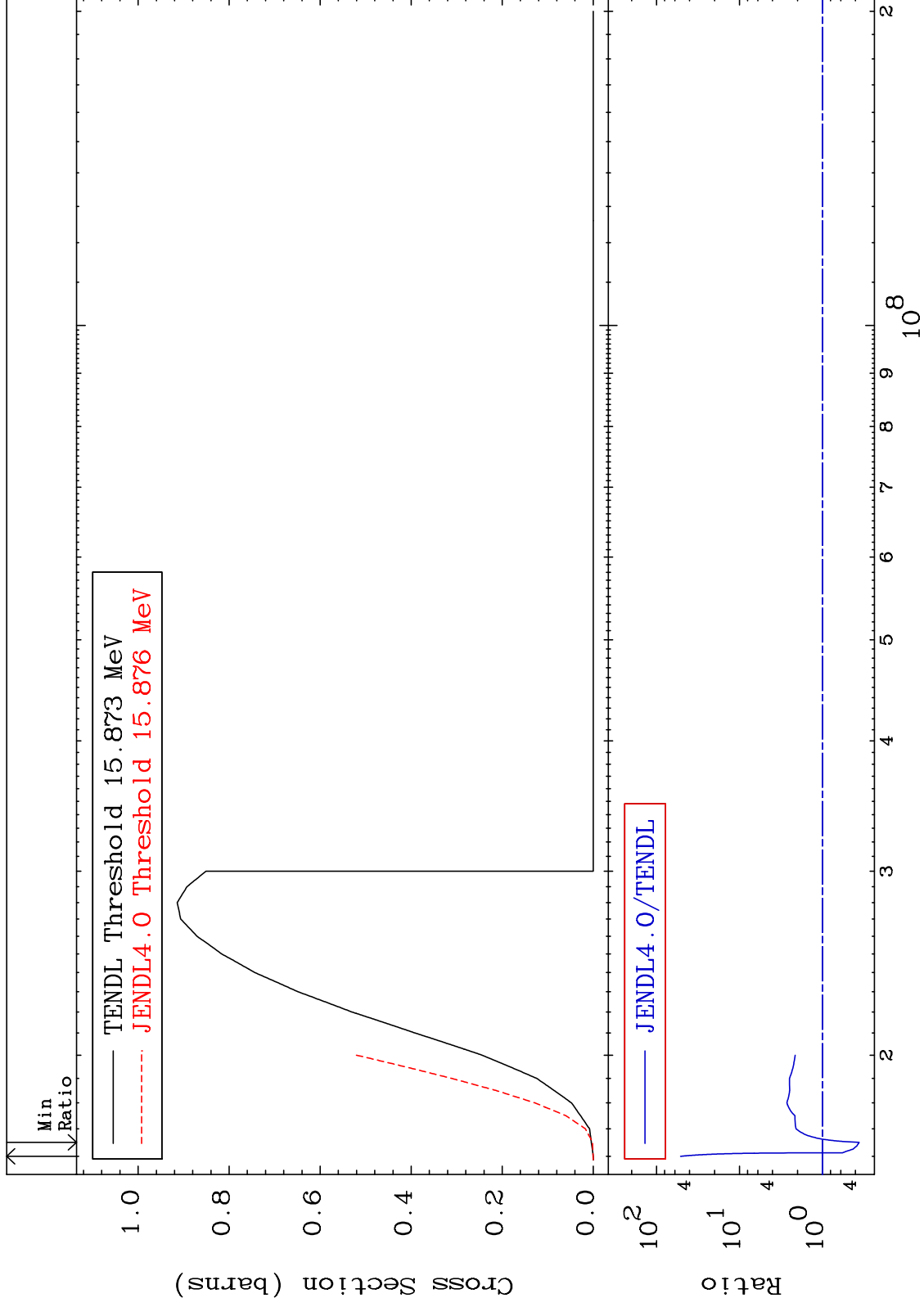
MAT 7625

(n,3n)

76-0s-184

Cross Section

-63.87 To 5025. %



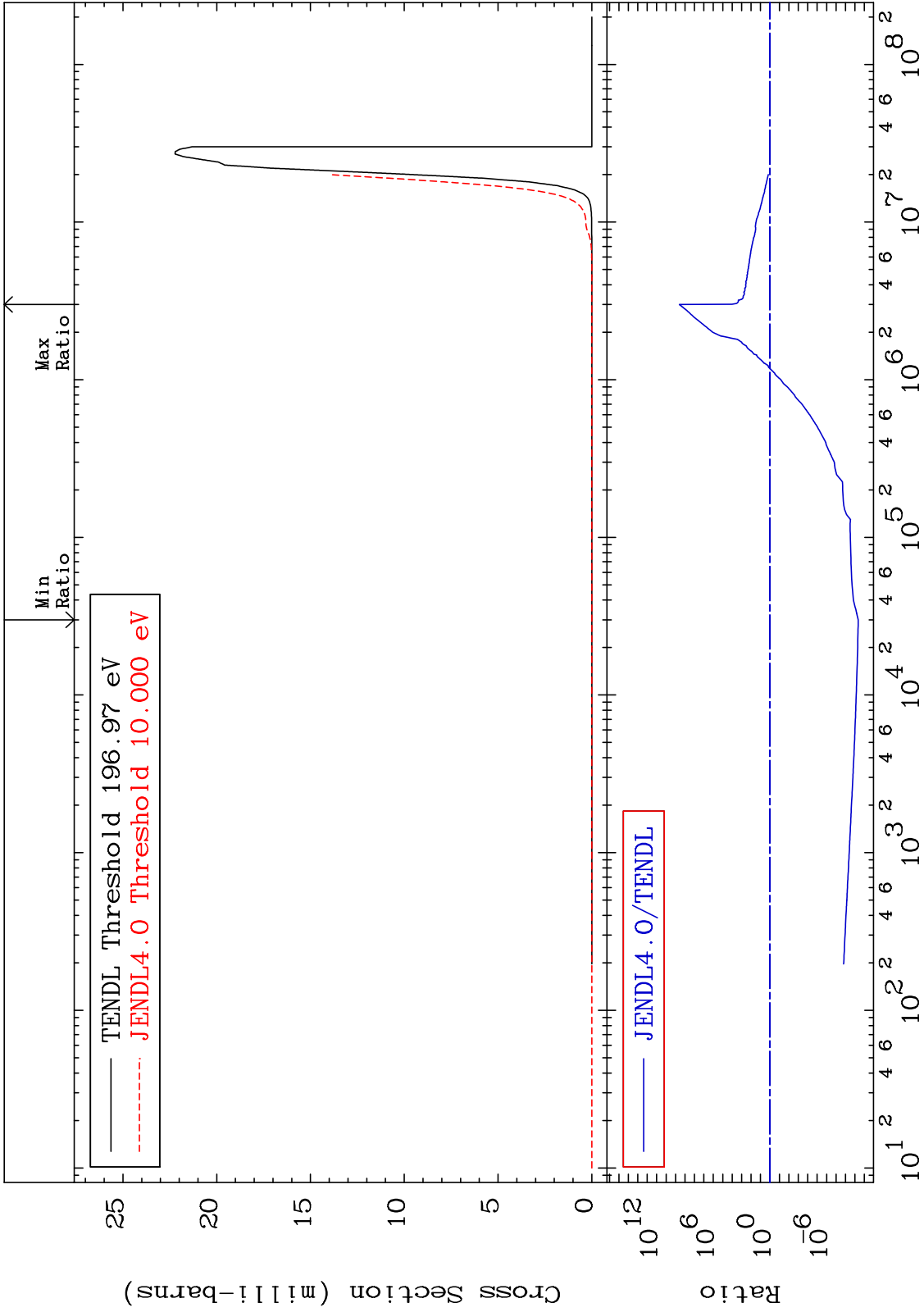
MAT 7625

(n, n') α

76-0s-184

Cross Section

-100.0 To 9999. %



76-0s-184

Incident Energy (eV)

6

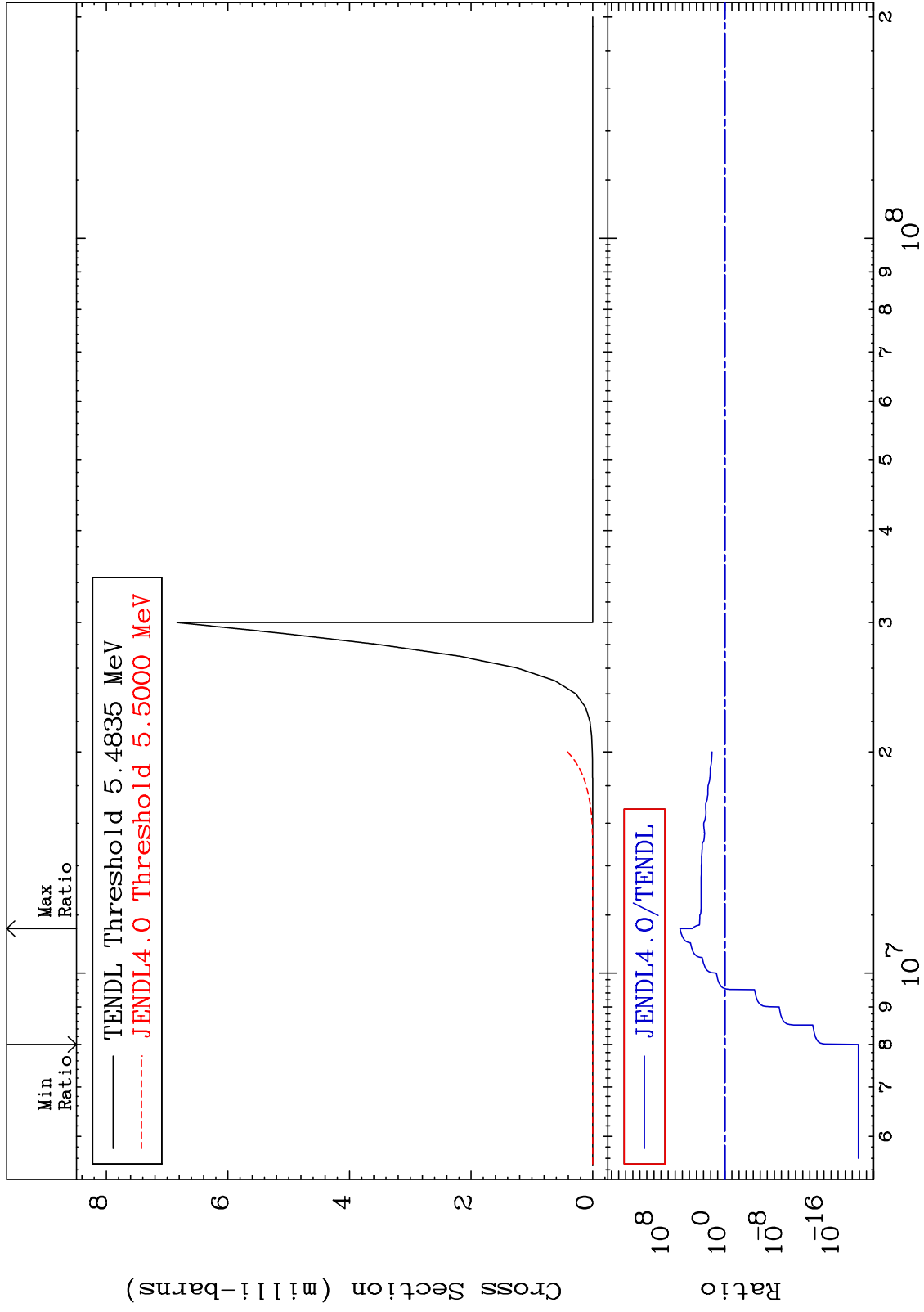
MAT 7625

(n,2n) α

76-0s-184

Cross Section

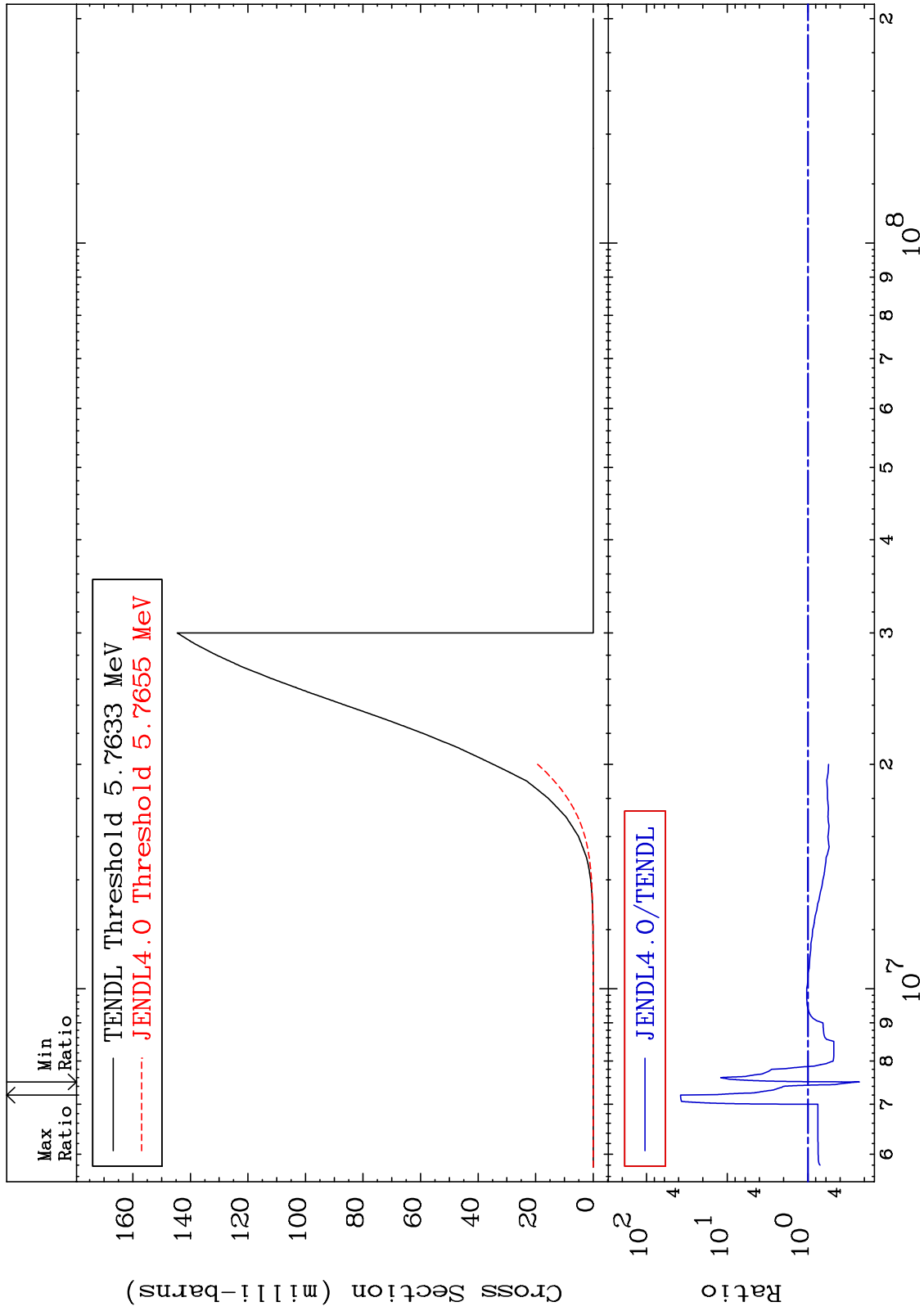
-100.0 To 9999. %



MAT 7625

(n,n') p
Cross Section

76-0s-184
-76.80 To 3676. %



8

Incident Energy (eV)

76-0s-184

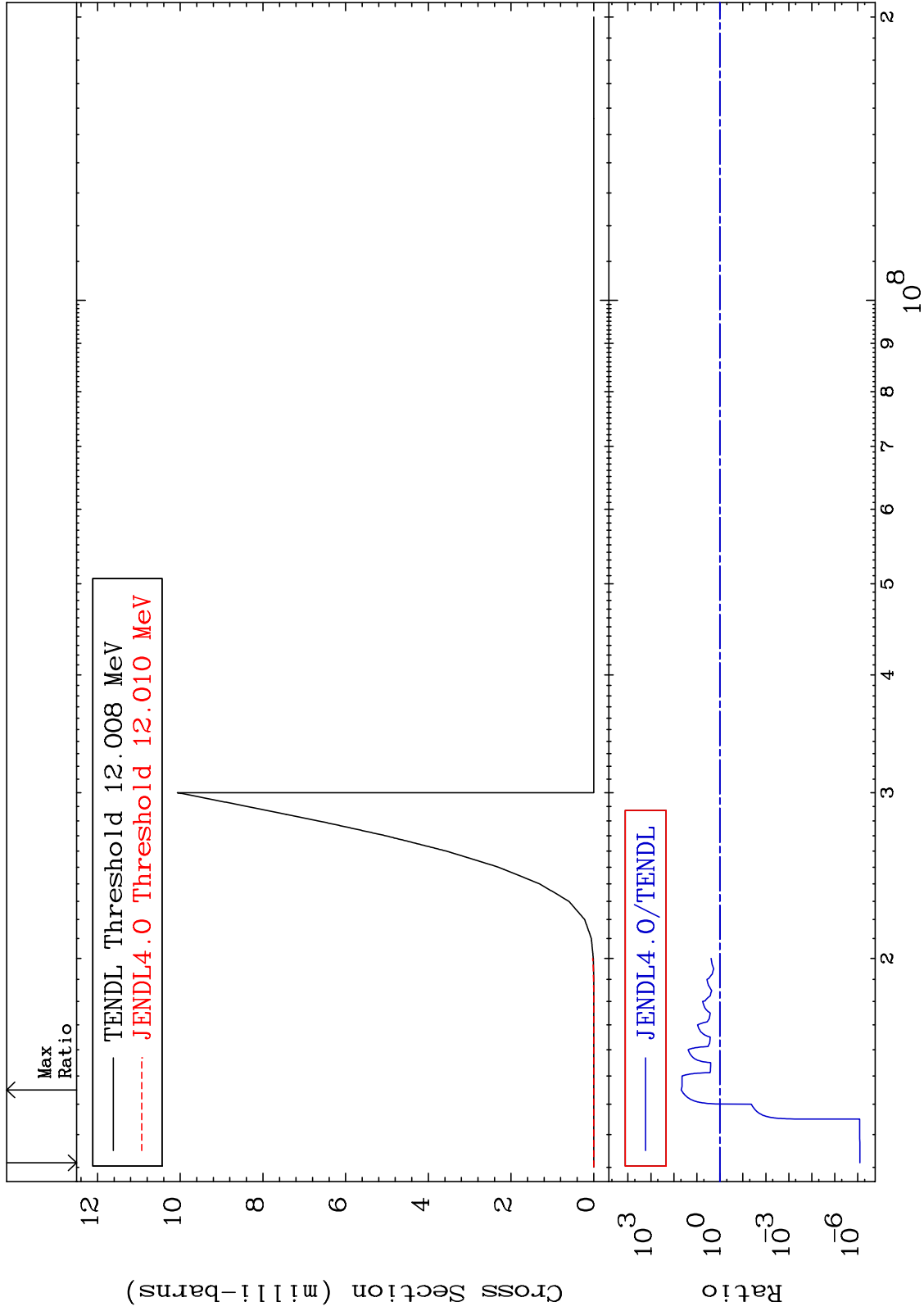
MAT 7625

(n,n') d

76-0s-184

Cross Section

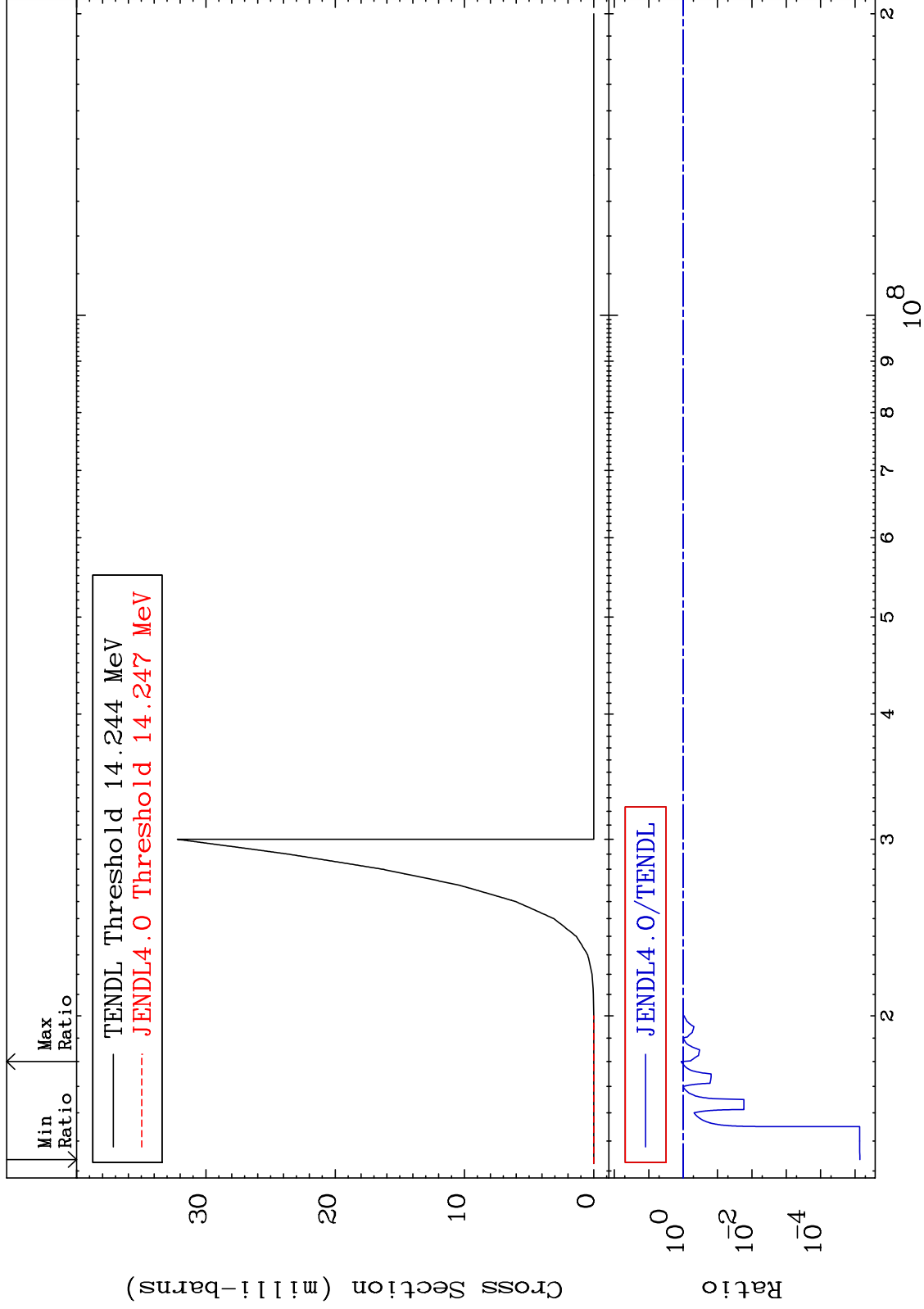
-100.0 To 4707. %



MAT 7625

(n,2n) p
Cross Section

76-0s-184
-100.0 To 13.35 %



10

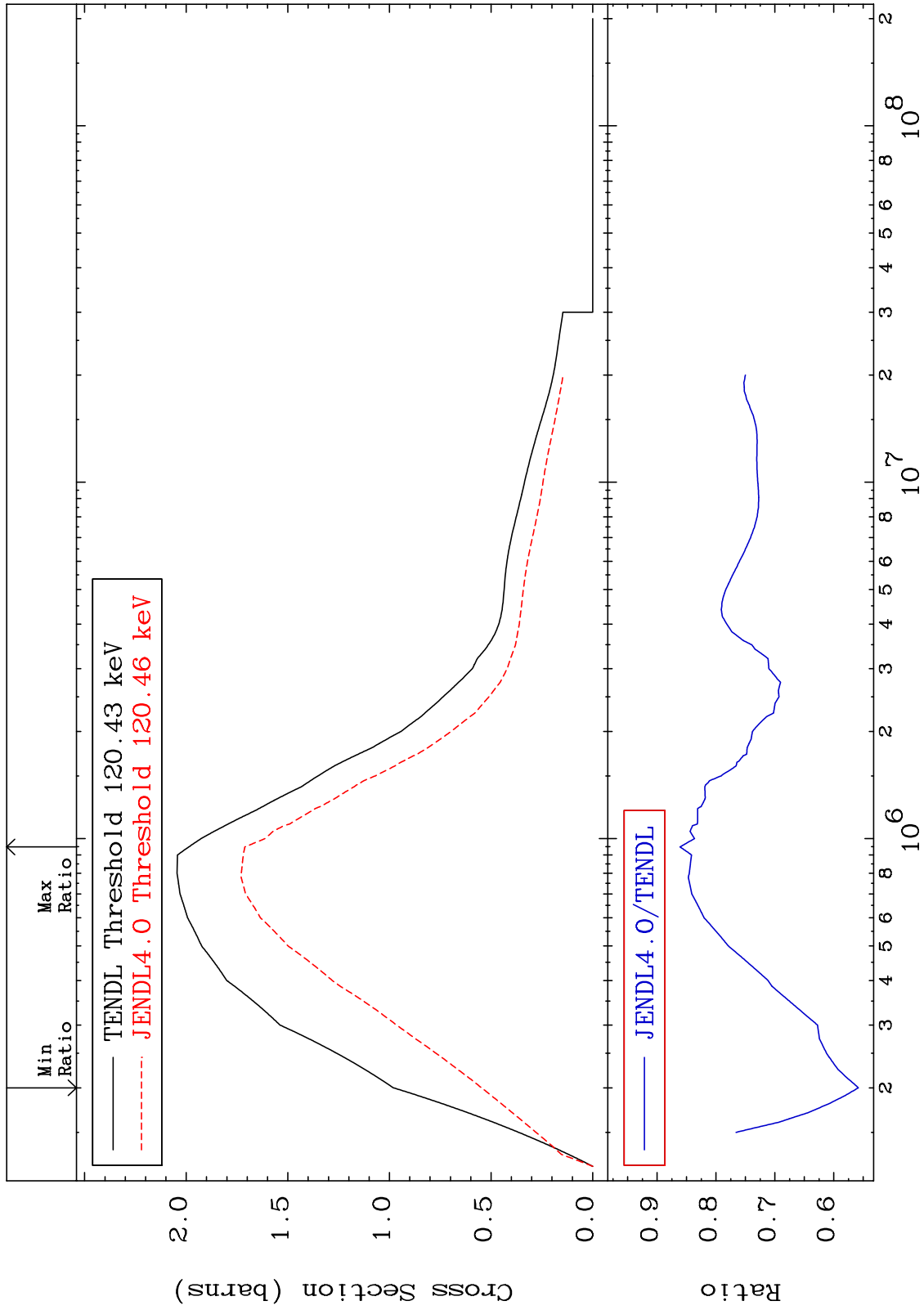
Incident Energy (eV)

76-0s-184

MAT 7625

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

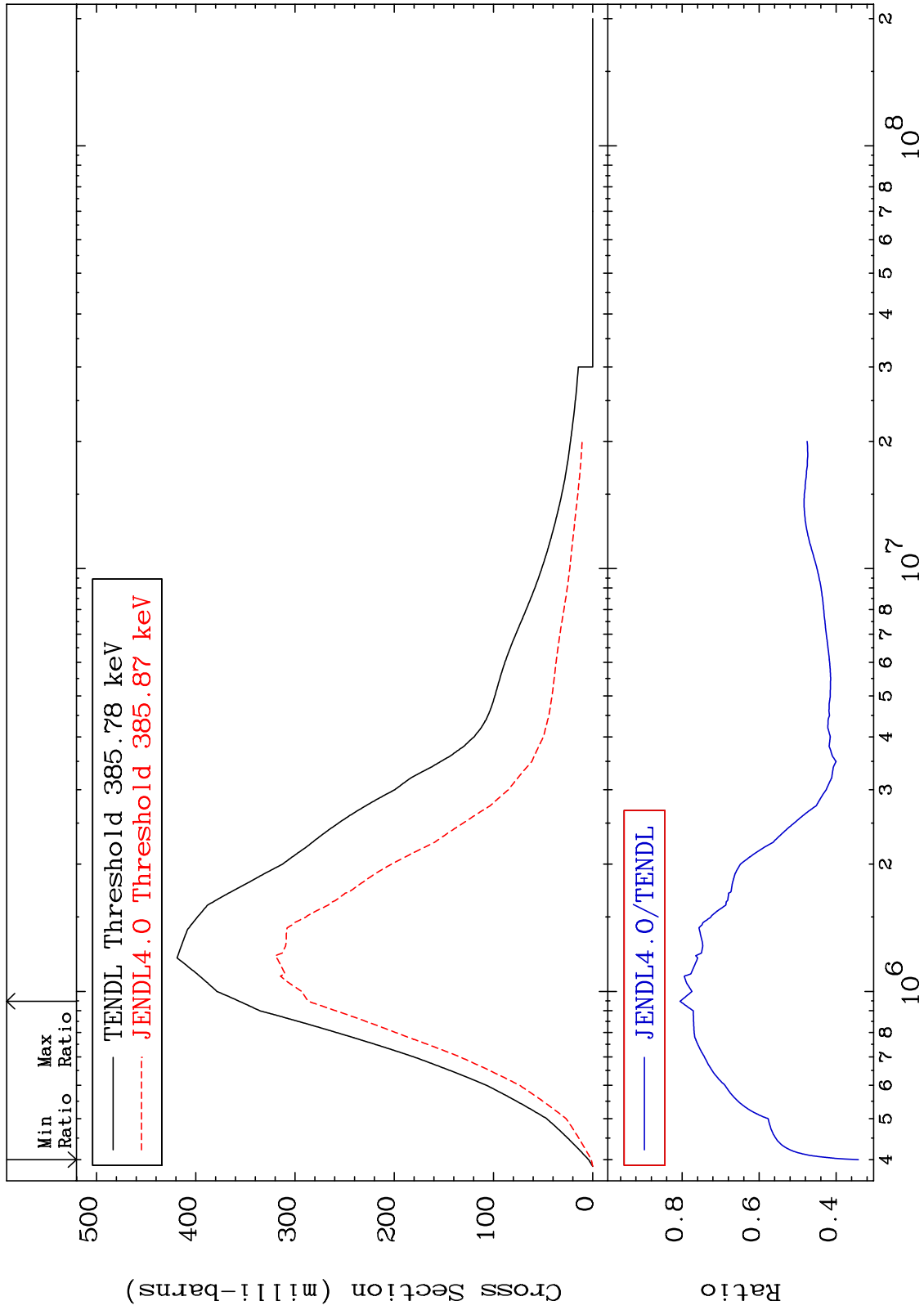
76-0s-184
-44.19 To -13.89%



MAT 7625

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

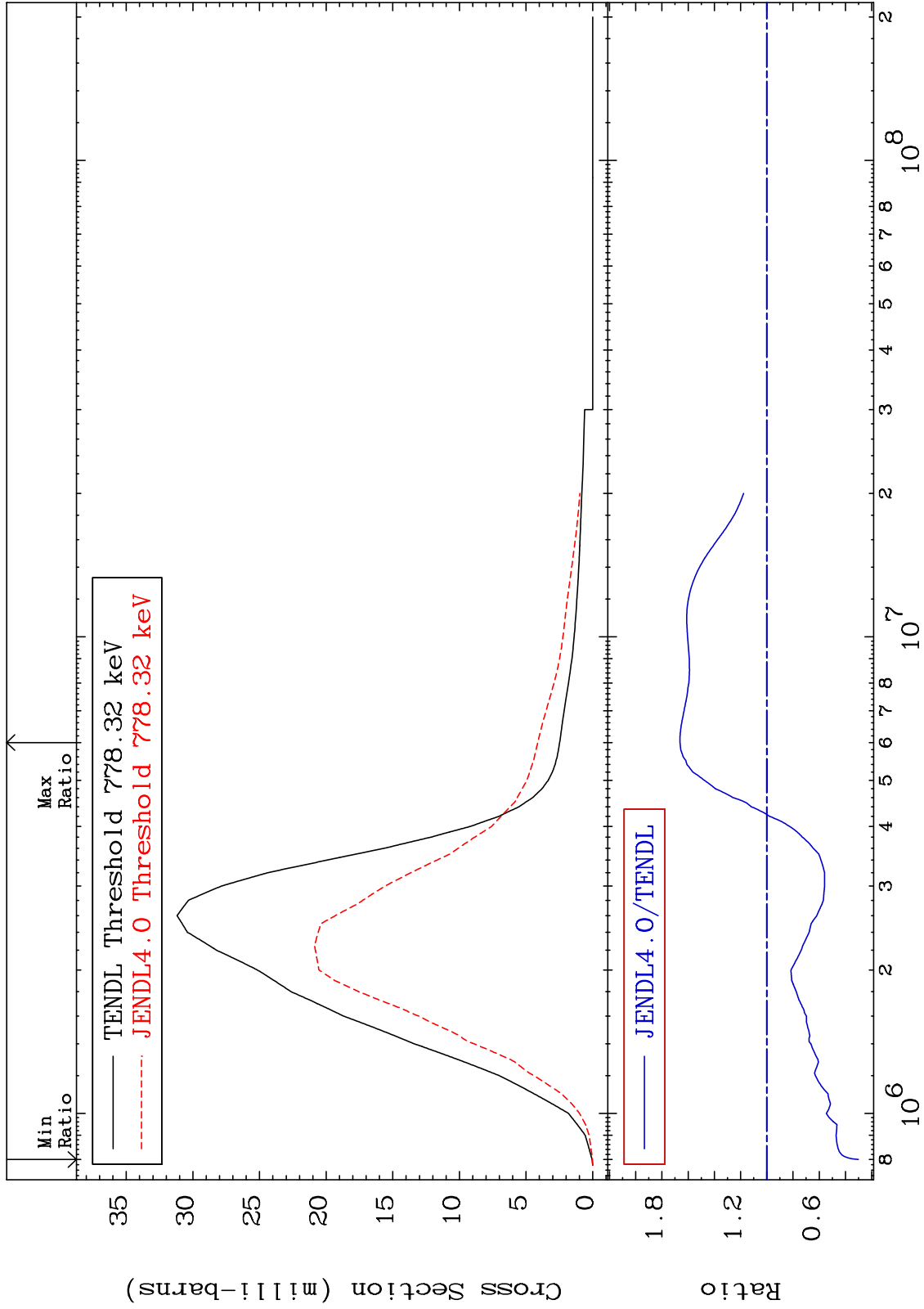
76-0s-184
-65.76 To -19.44%



MAT 7625

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

76-0s-184
-69.88 To 66.20 %



13

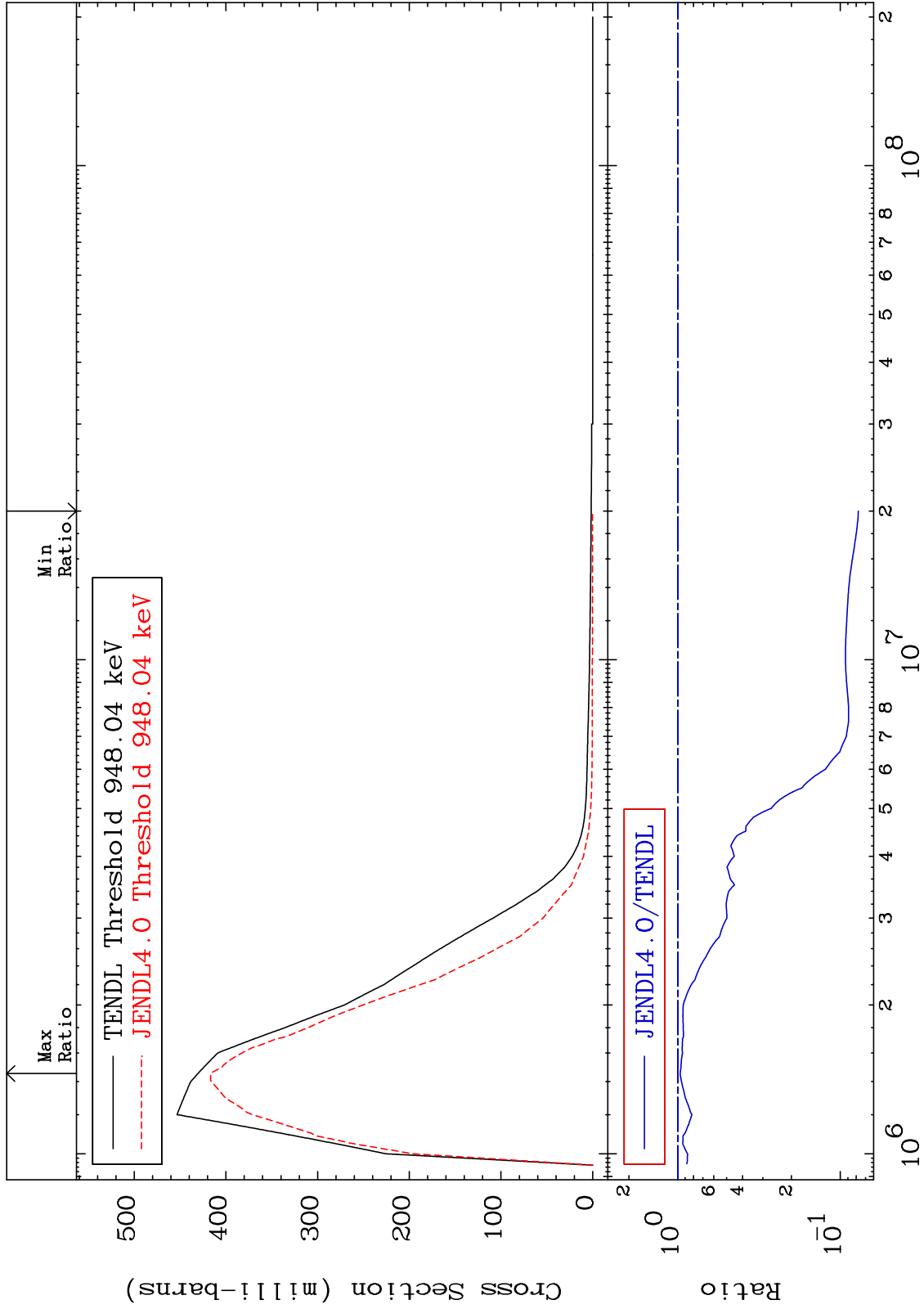
Incident Energy (eV)

76-0s-184

MAT 7625

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

76-0s-184
-92.26 To -3.155%



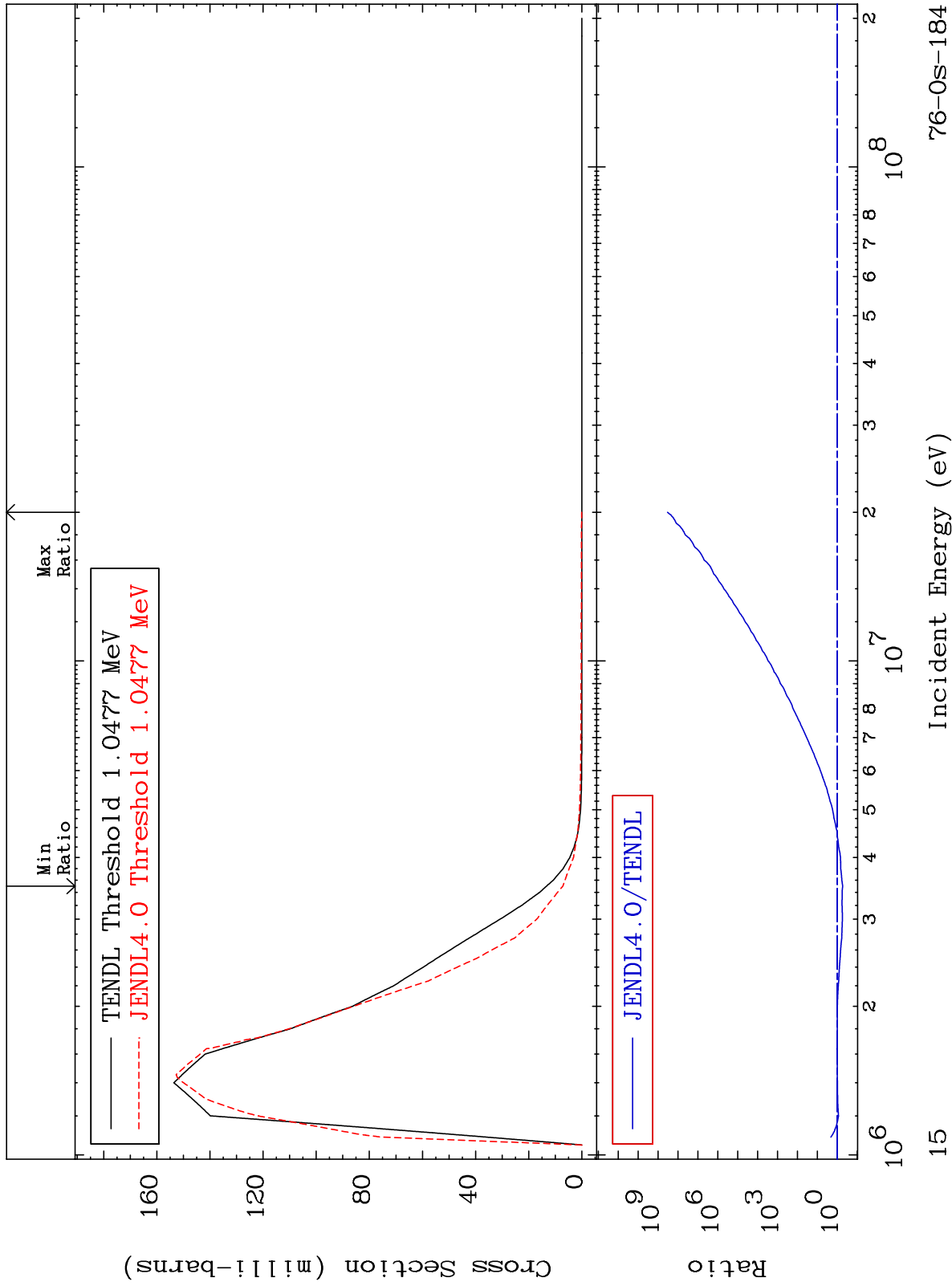
14

76-0s-184

MAT 7625

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

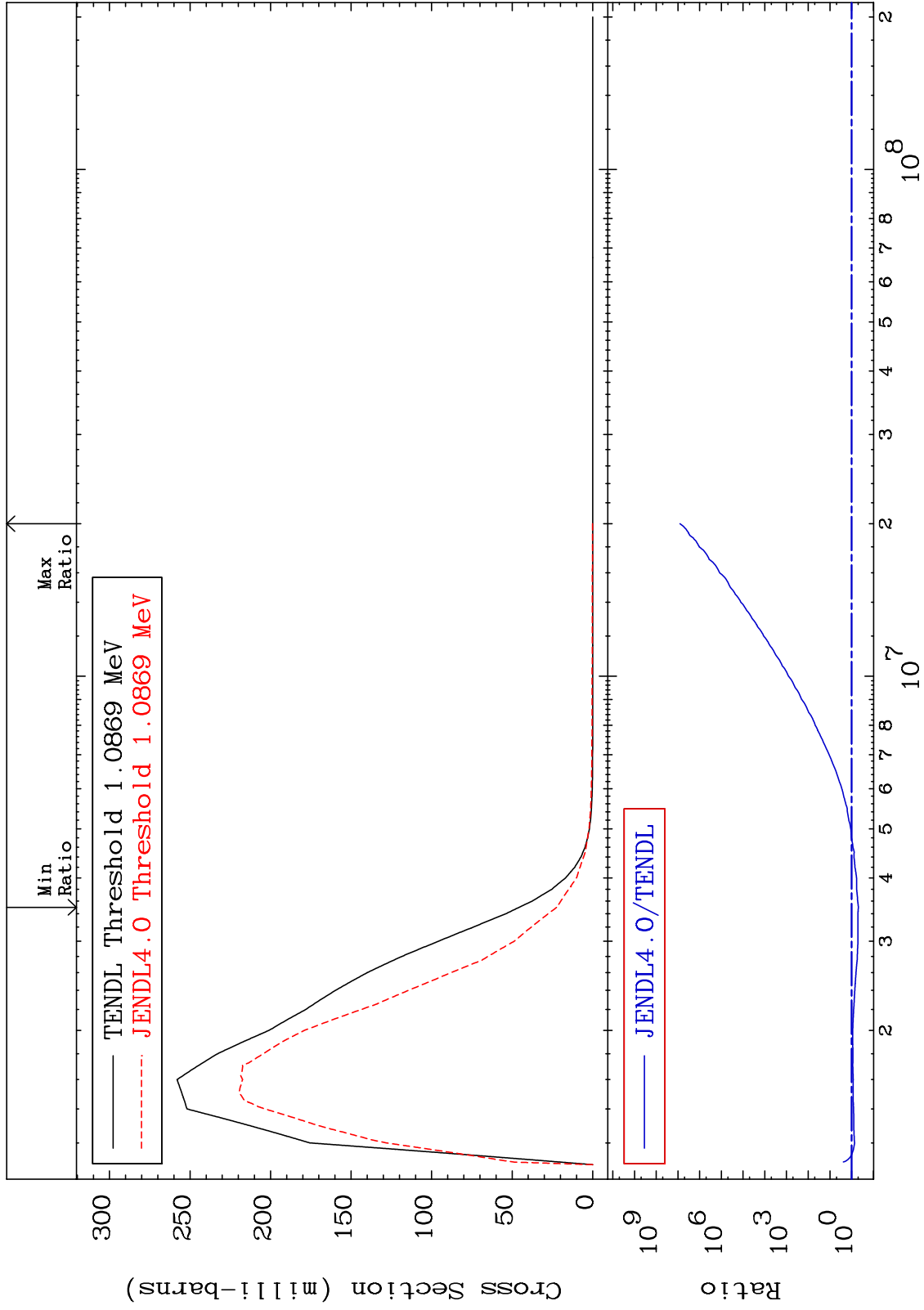
76-0s-184
-46.19 To 9999. %



MAT 7625

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

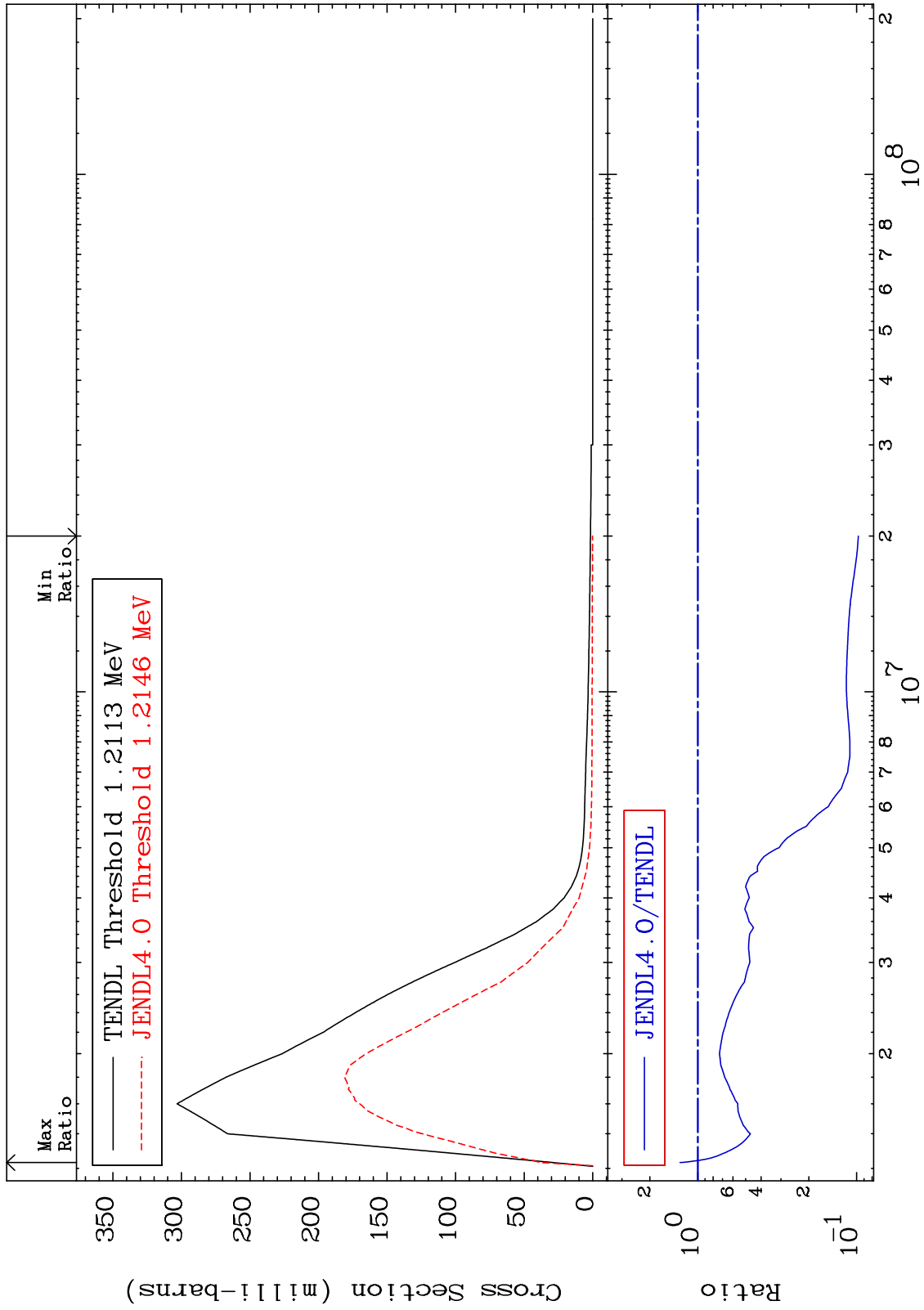
76-0s-184
-51.26 To 9999. %



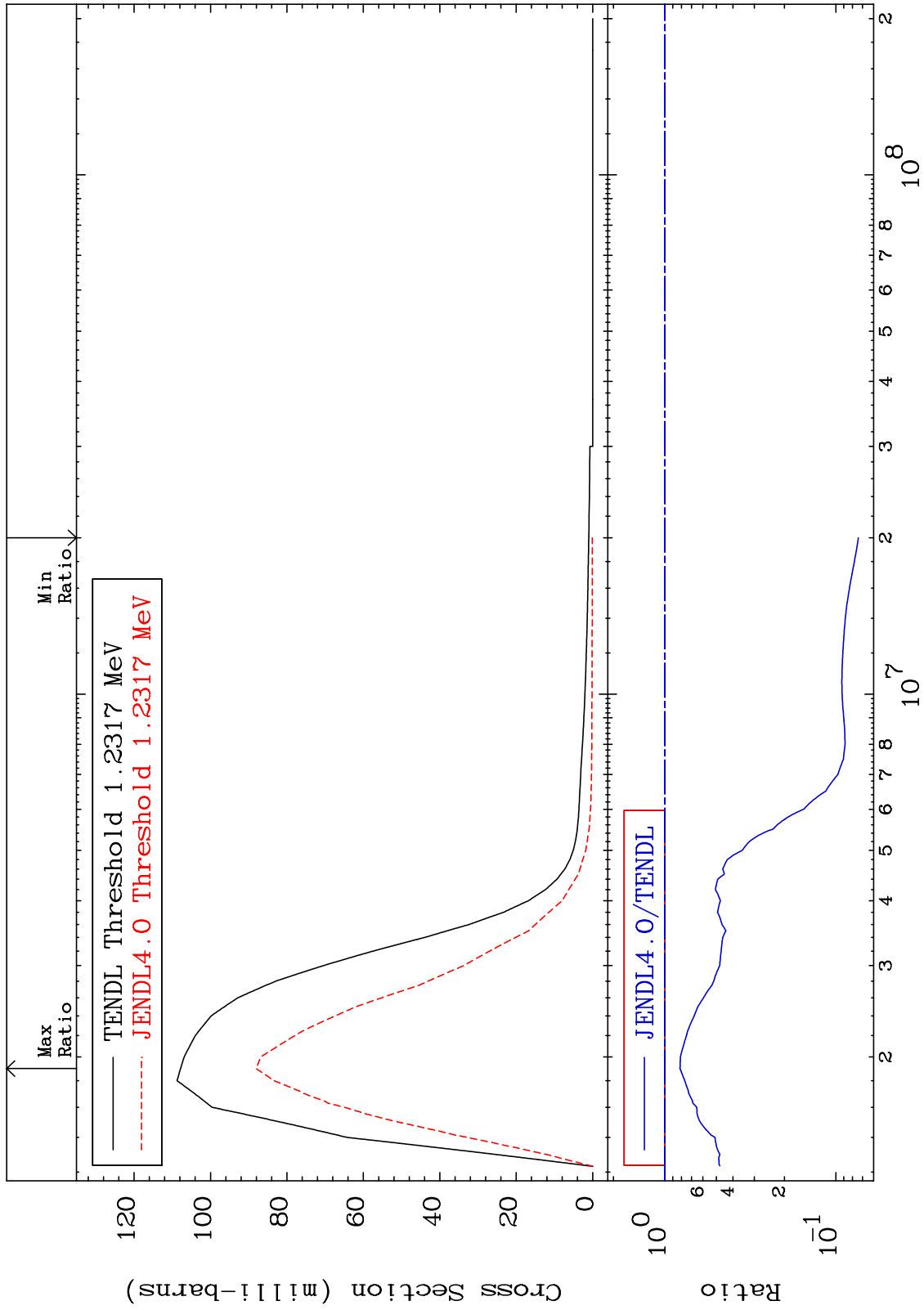
MAT 7625

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

76-0s-184
-90.24 To 29.29 %



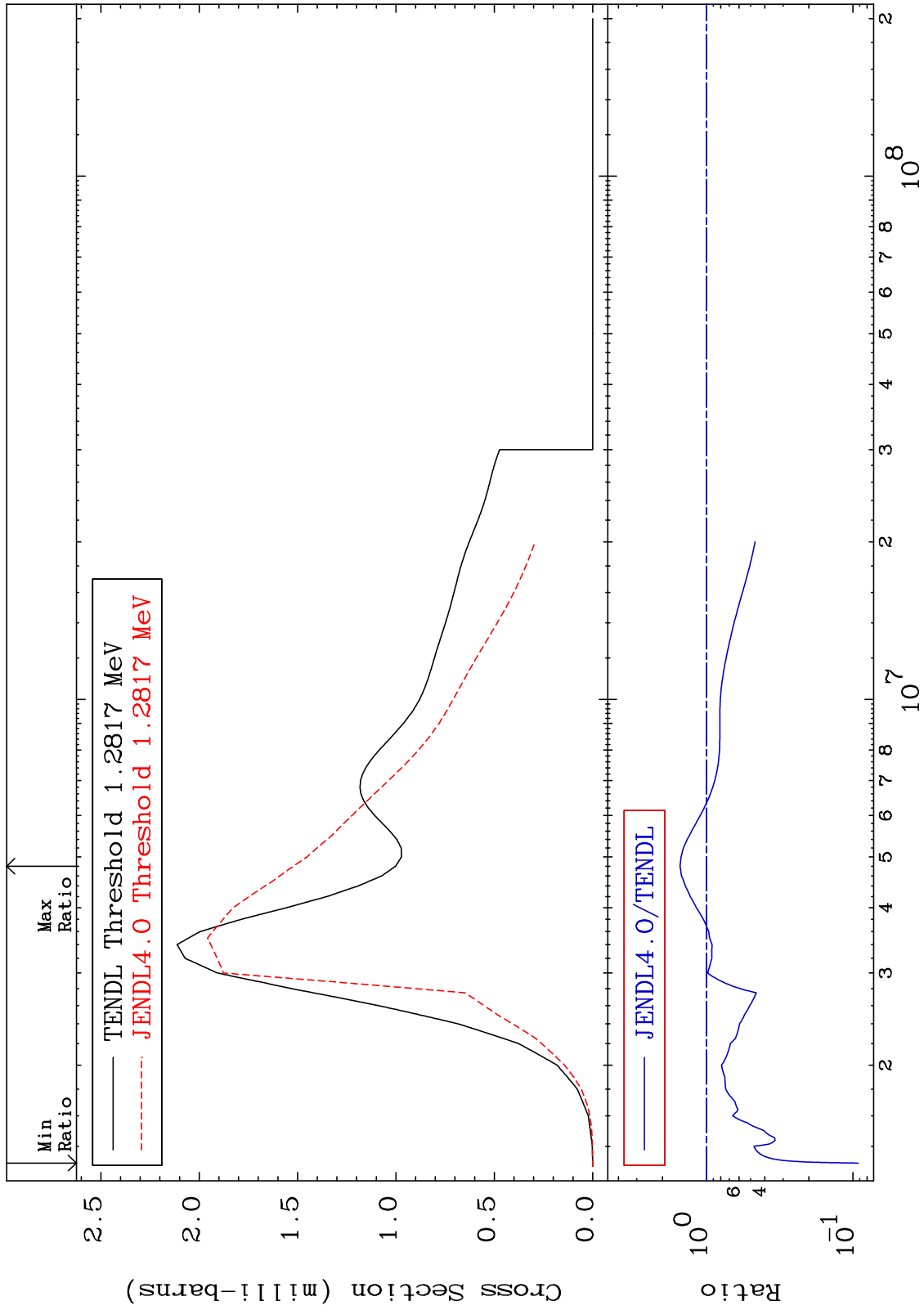
MAT 7625 MT= 58 (n,n') Level
 Cross Section 76-0s-184
 -92.61 To -18.33%



MAT 7625

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

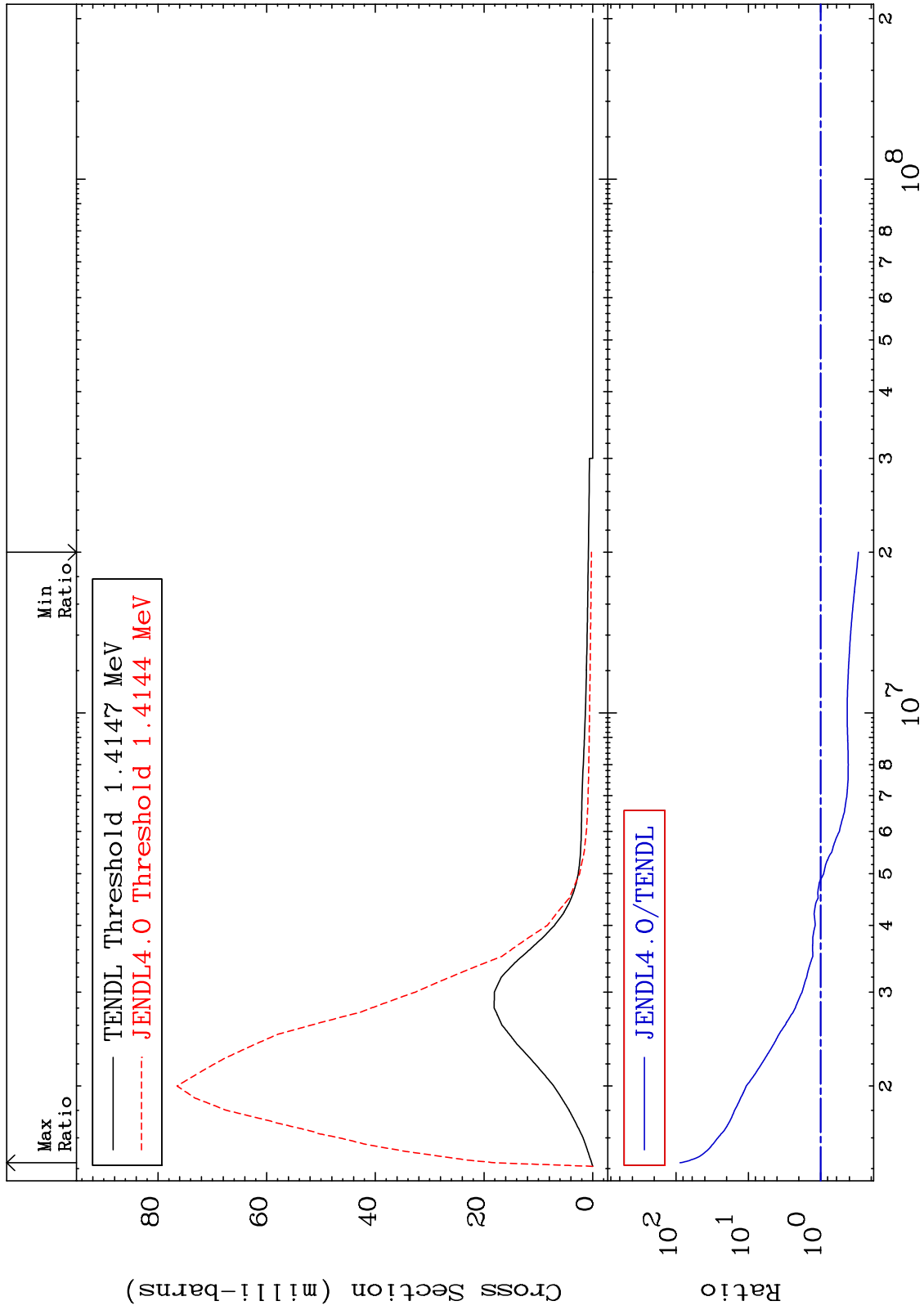
76-0s-184
-90.83 To 51.86 %



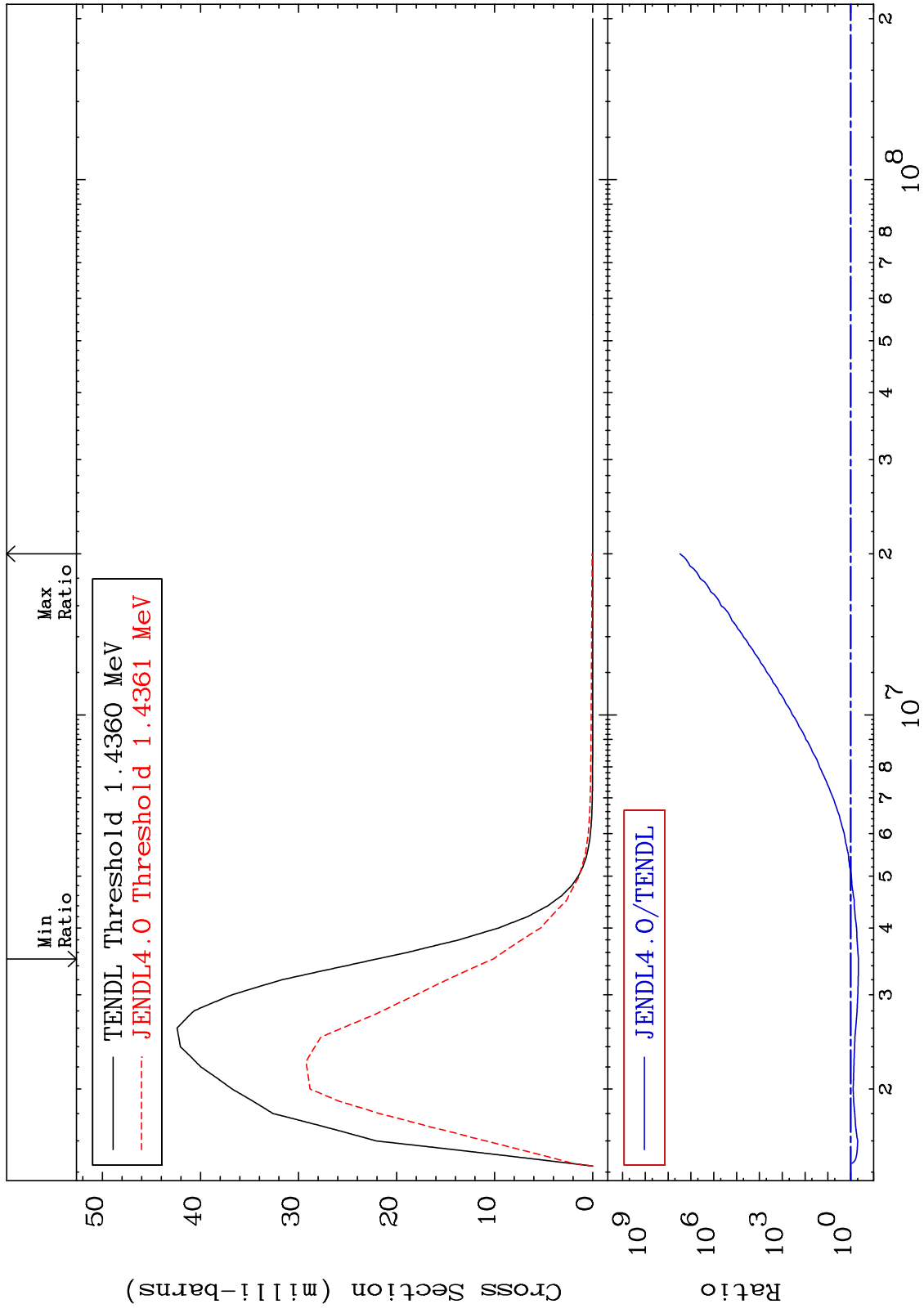
MAT 7625

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

76-0s-184
-69.99 To 8708. %



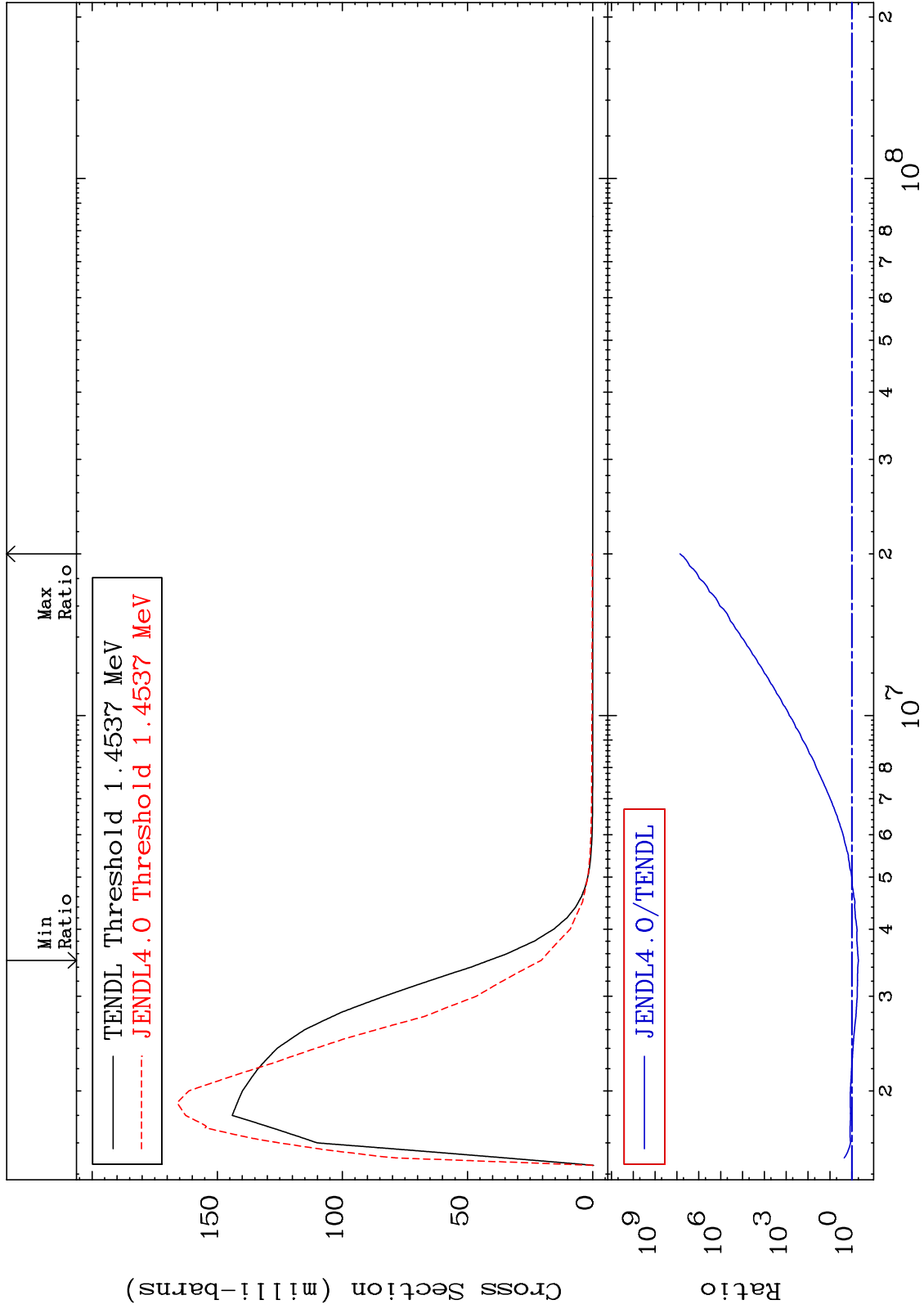
MAT 7625 MT= 61 (n,n') Level Cross Section 76-0s-184
 -53.91 To 9999. %



MAT 7625

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

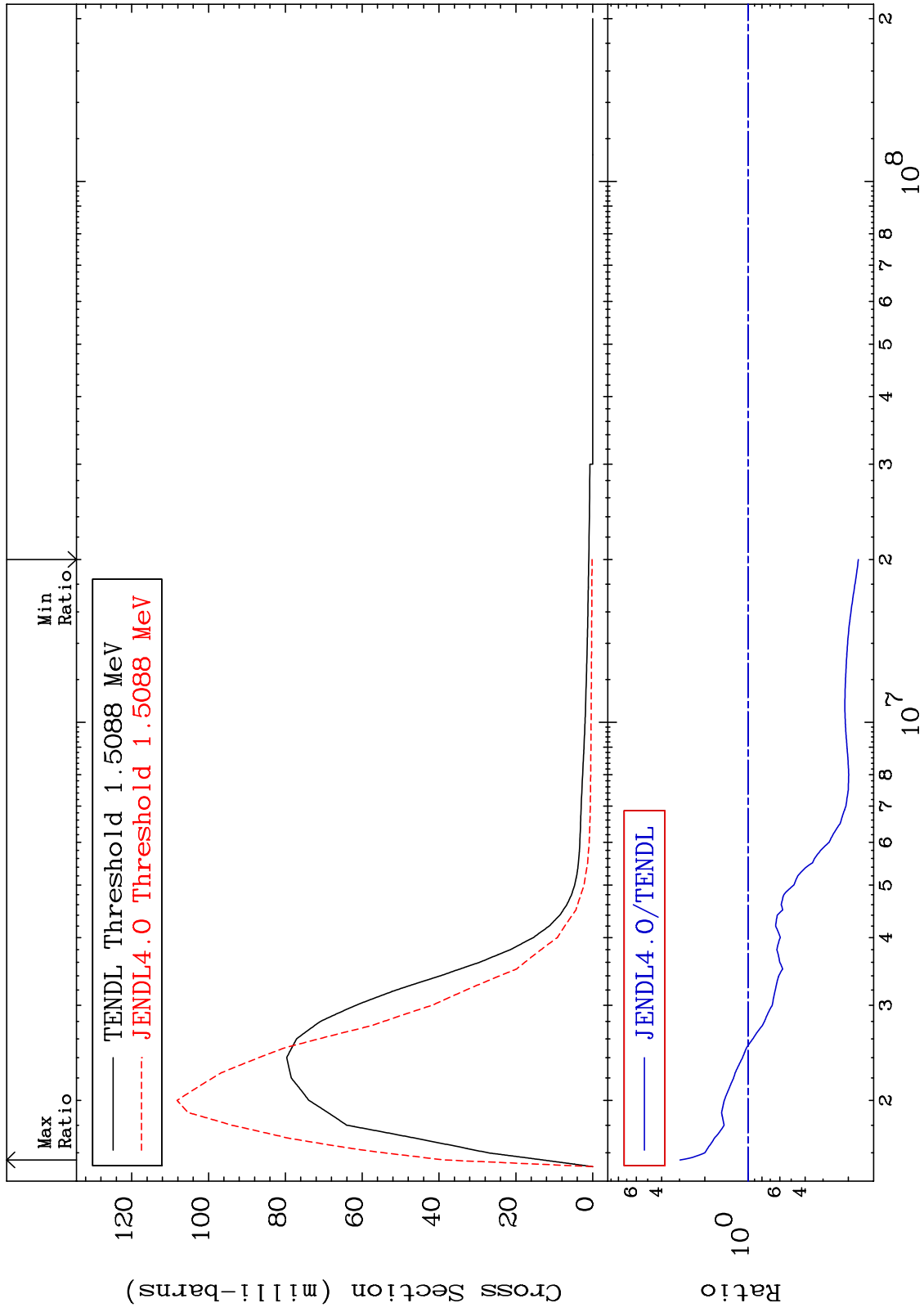
76-0s-184
-50.36 To 9999. %



MAT 7625

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

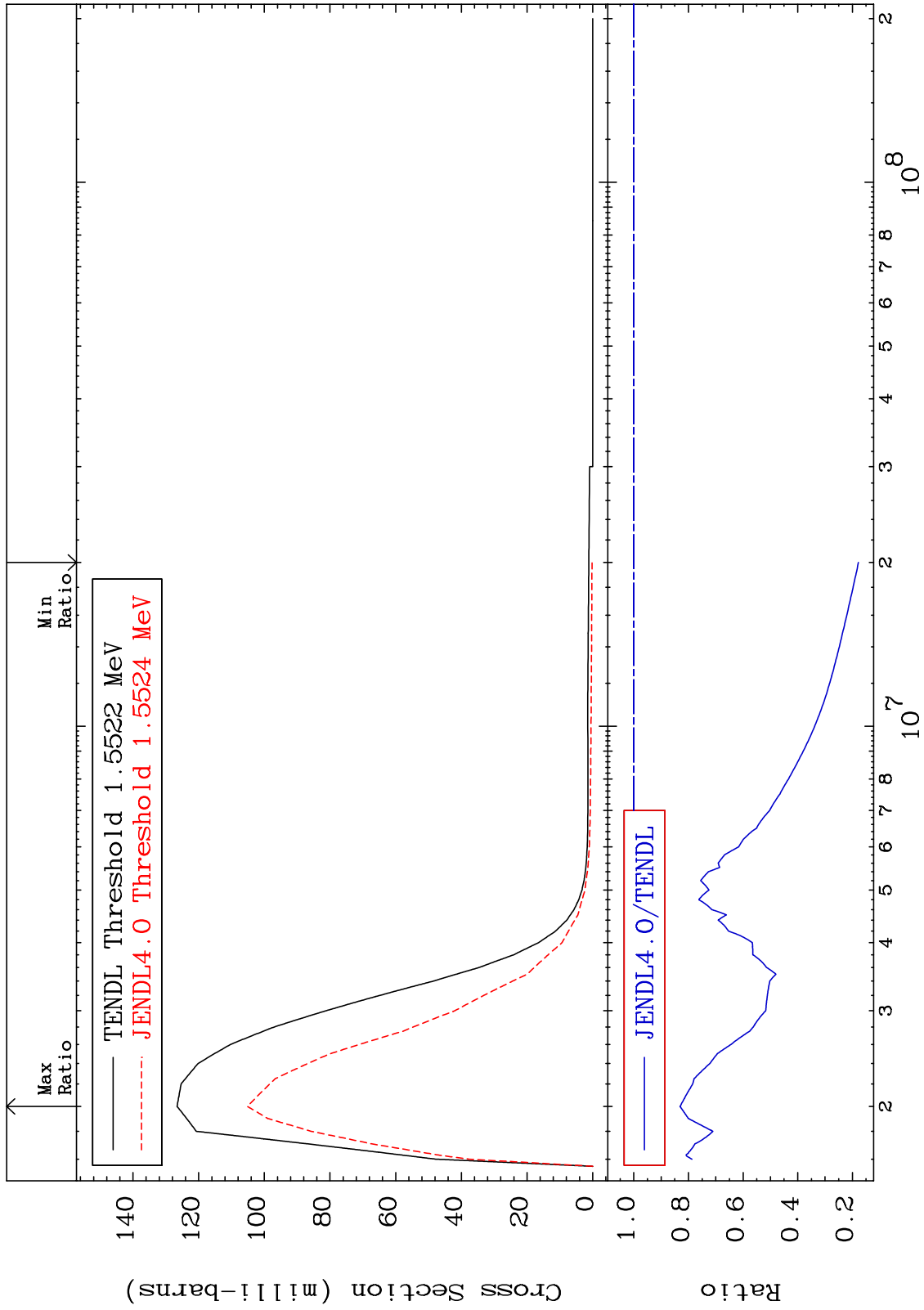
76-Os-184
-83.01 To 197.7 %



MAT 7625

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

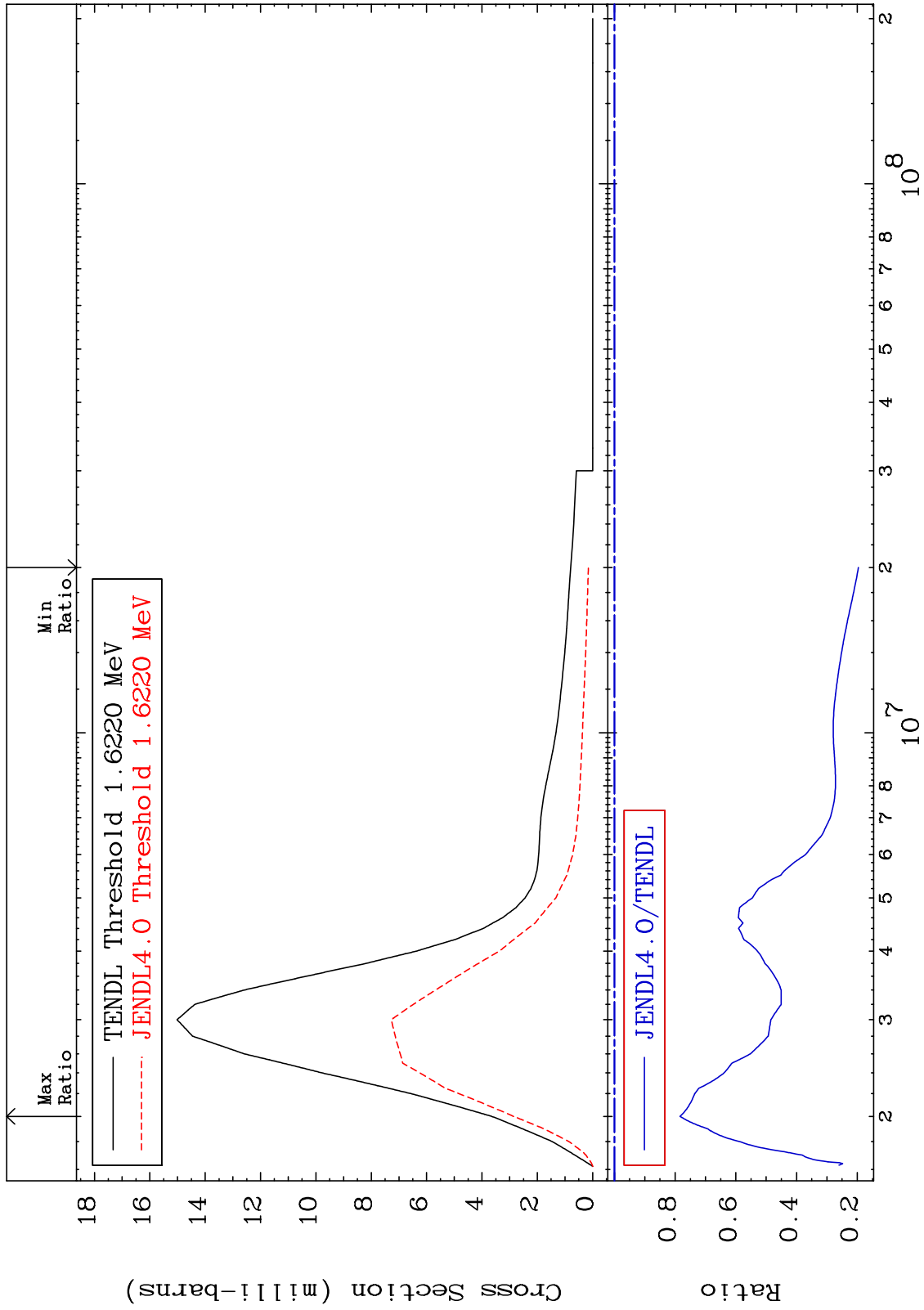
76-0s-184
-82.19 To -16.92%



MAT 7625

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

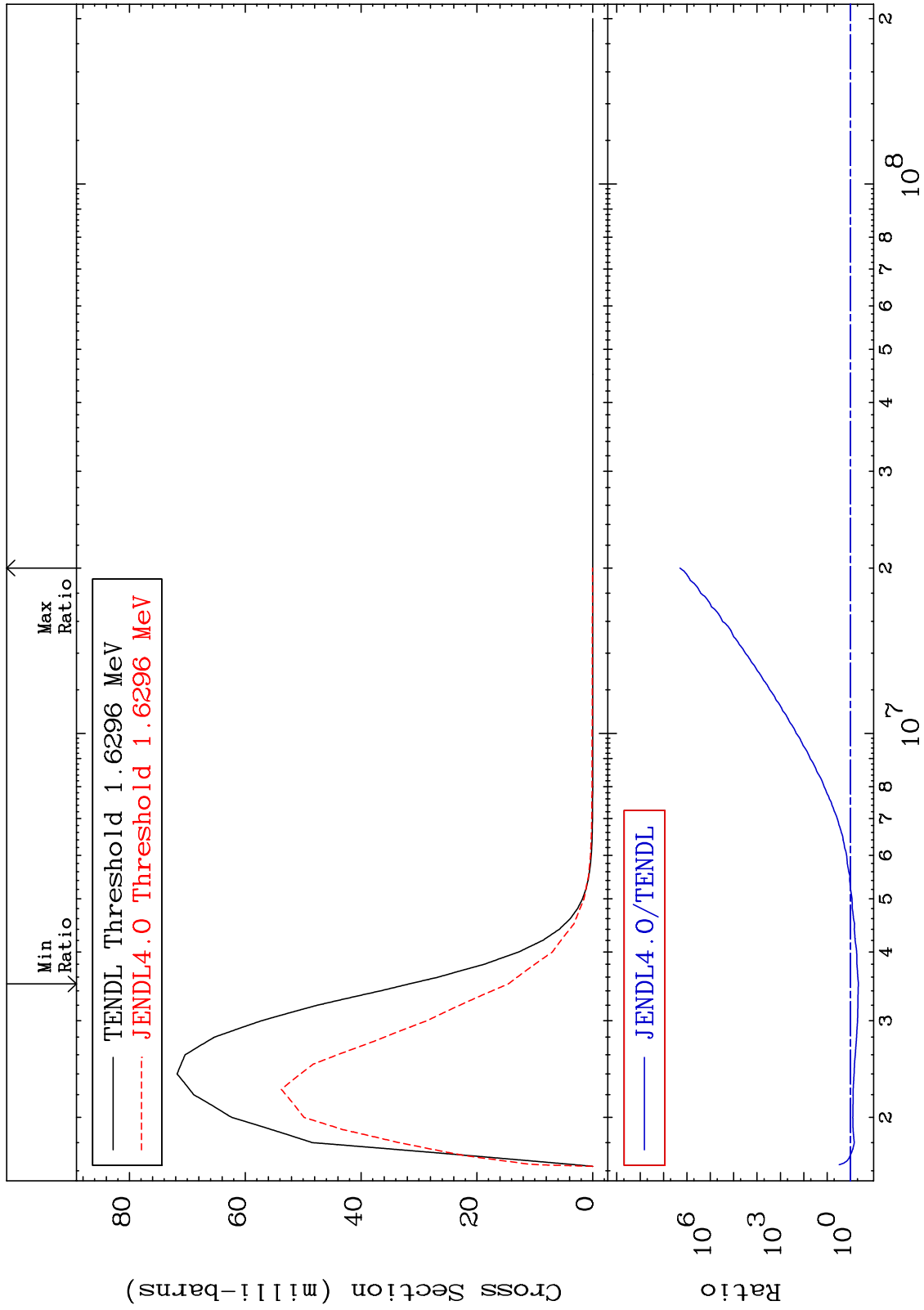
76-0s-184
-80.37 To -21.61%



MAT 7625

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

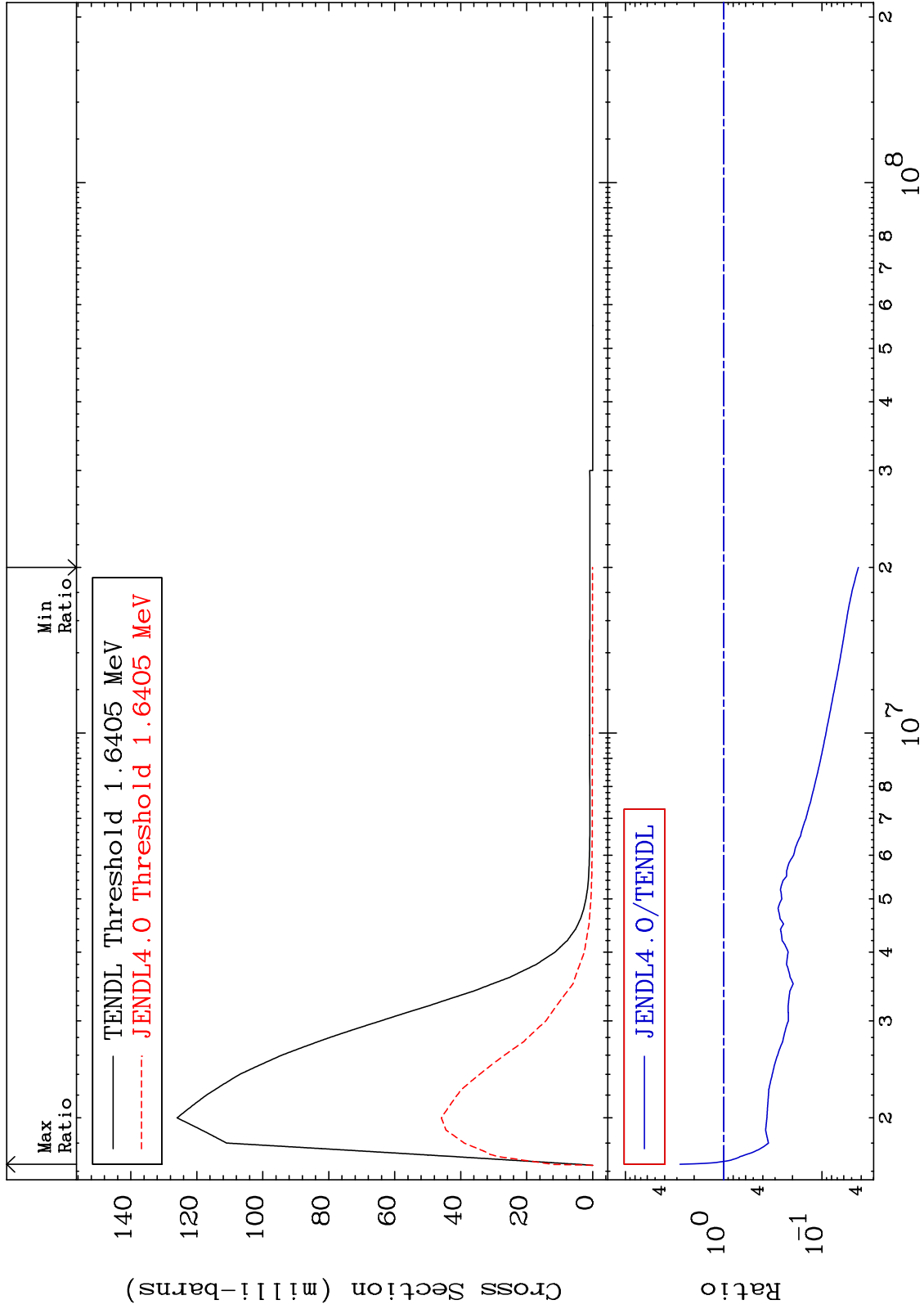
76-0s-184
-54.04 To 9999. %



MAT 7625

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

76-0s-184
-95.74 To 178.6 %



27

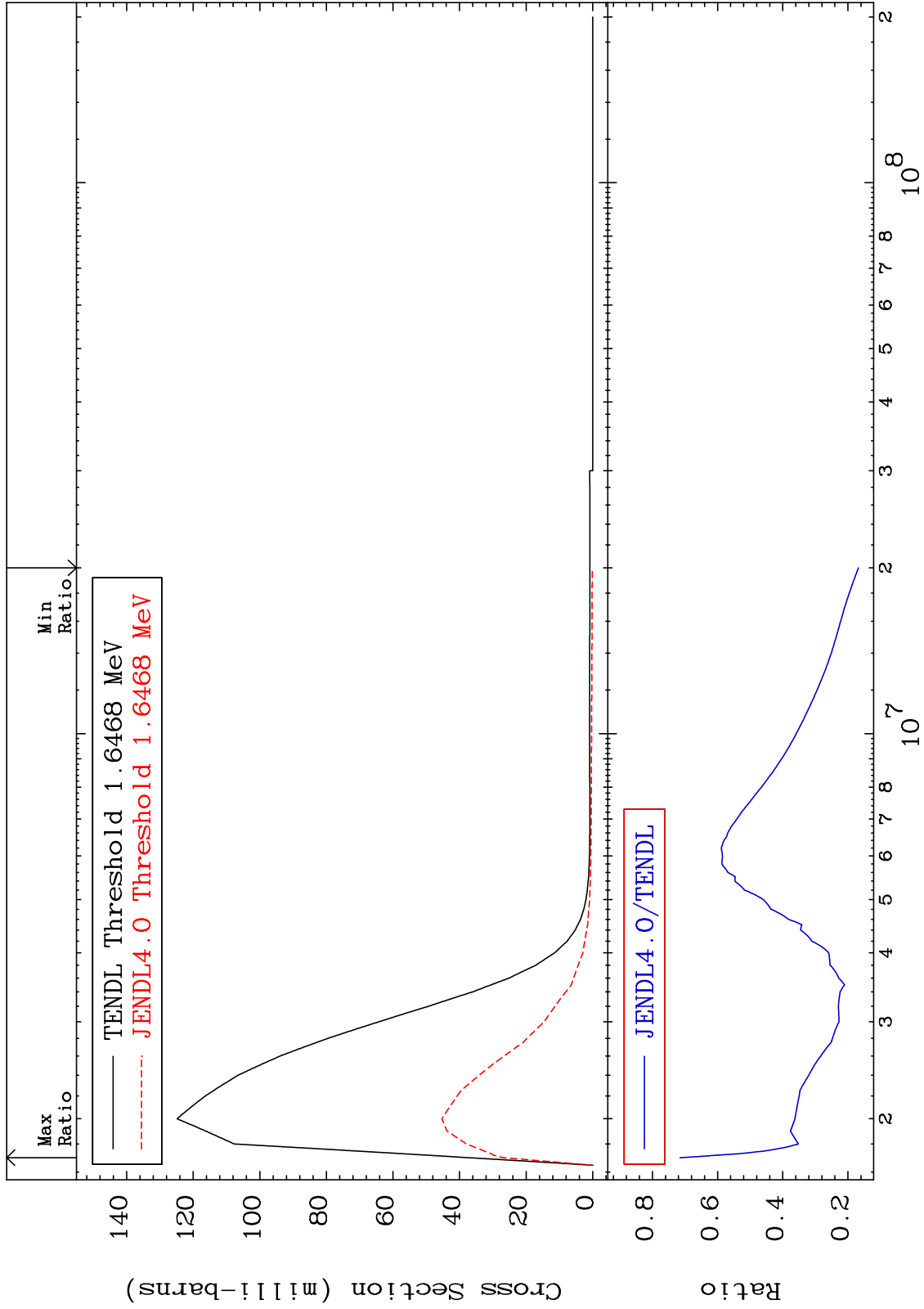
Incident Energy (eV)

76-0s-184

MAT 7625

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

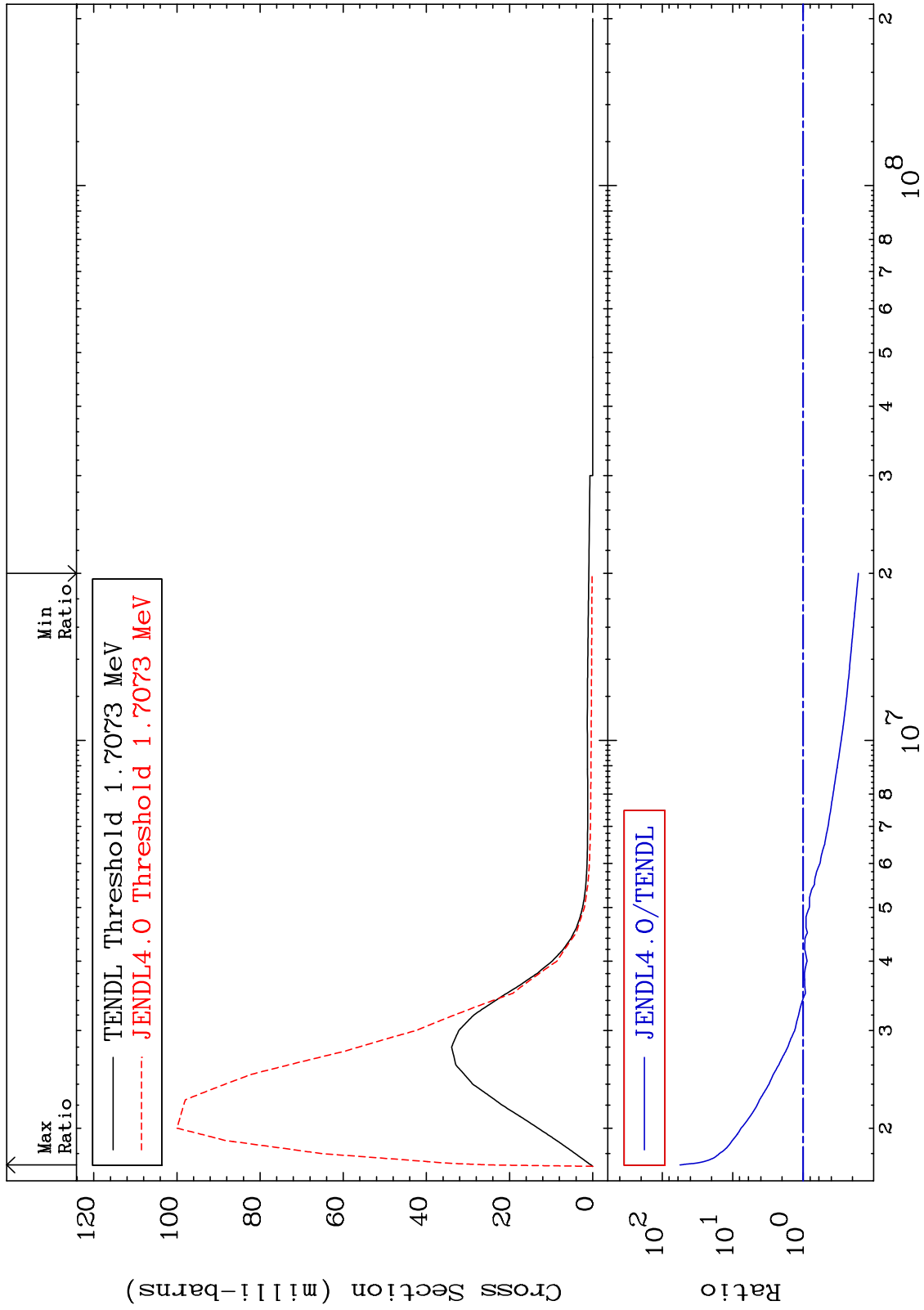
76-0s-184
-83.22 To -28.47%



MAT 7625

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

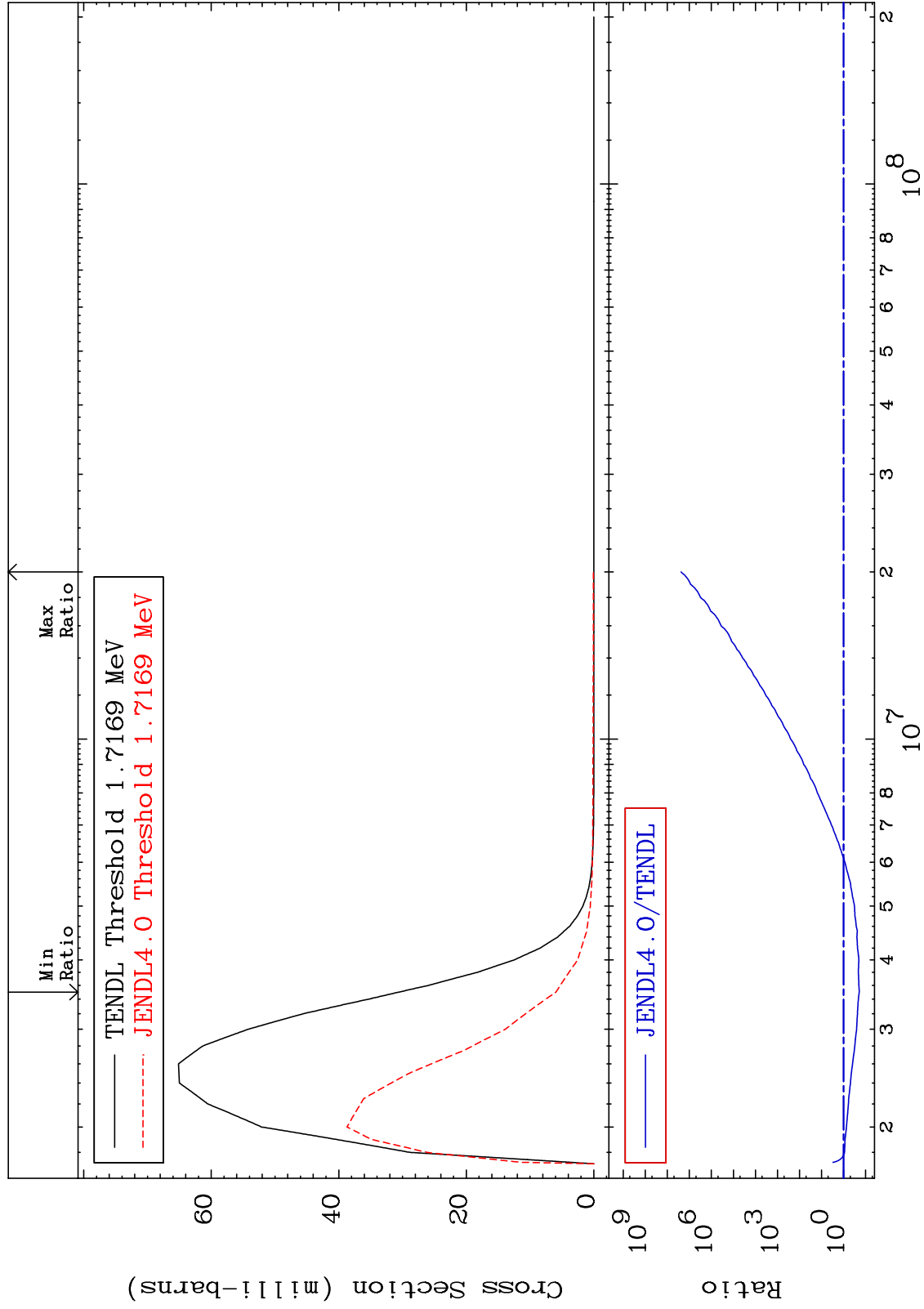
76-0s-184
-83.51 To 5501. %



MAT 7625

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

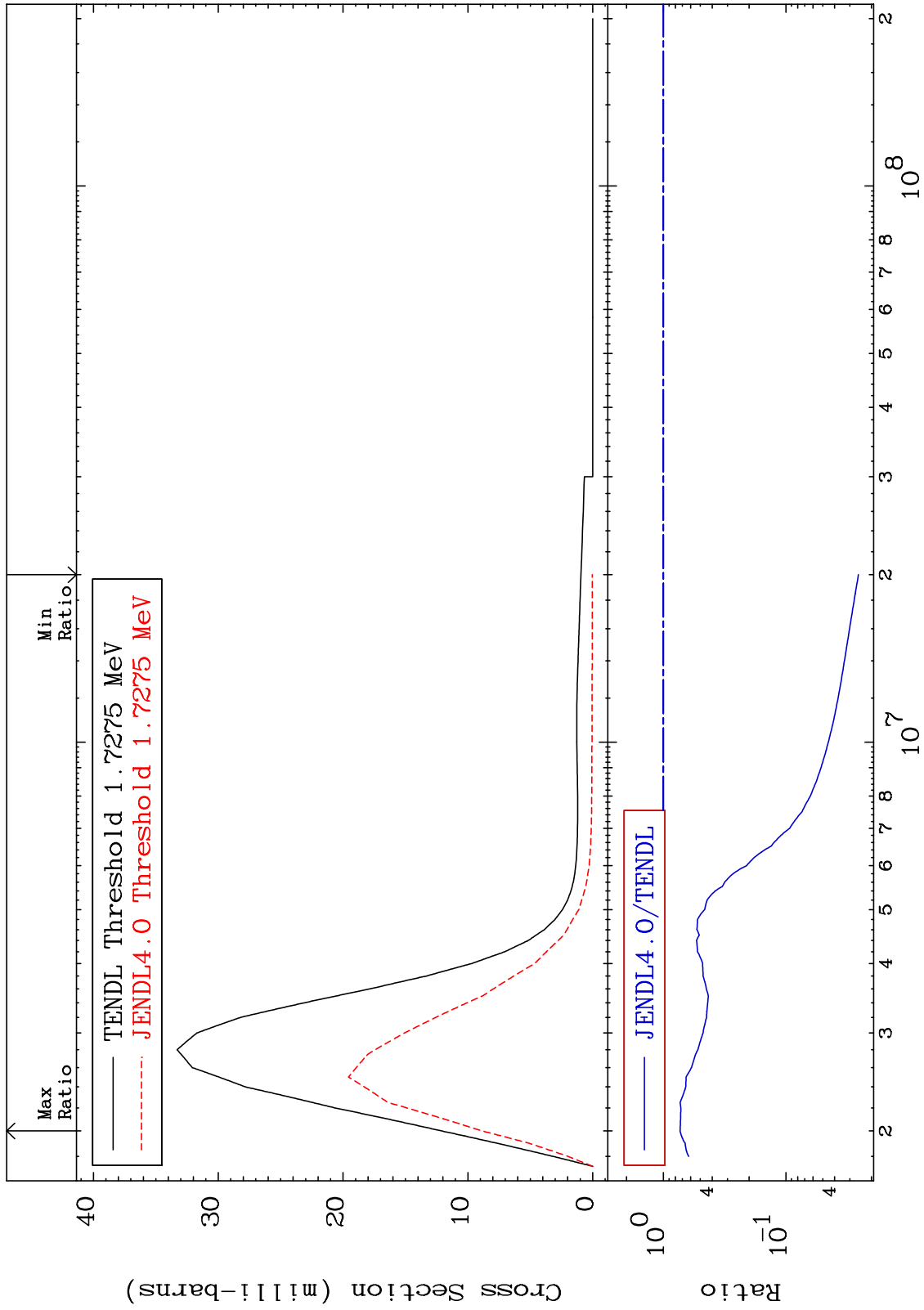
76-0s-184
-80.61 To 9999. %



MAT 7625

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

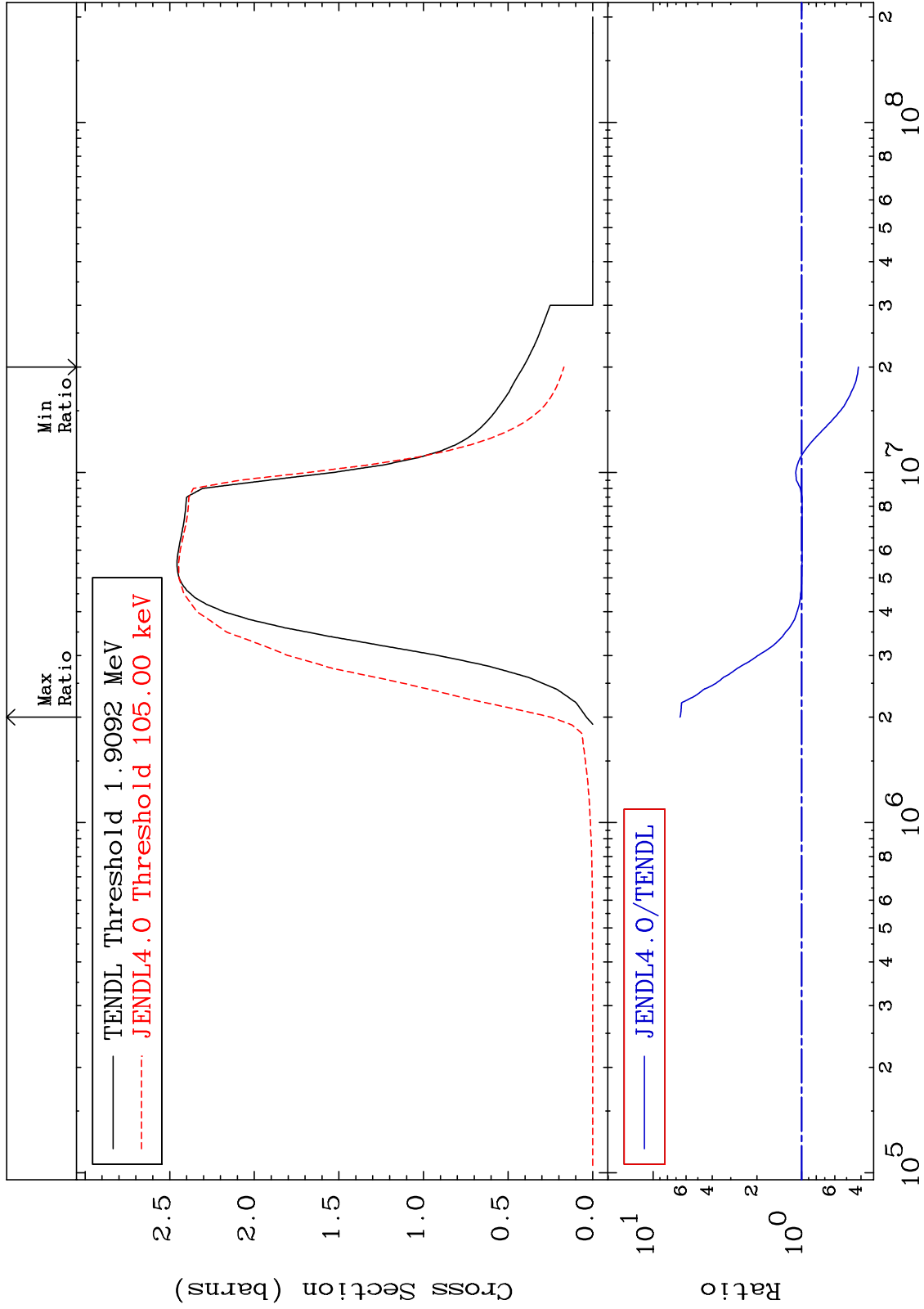
76-0s-184
-97.45 To -26.78%



MAT 7625

(n, n') Continuum
Cross Section

76-Os-184
-58.41 To 558.5 %



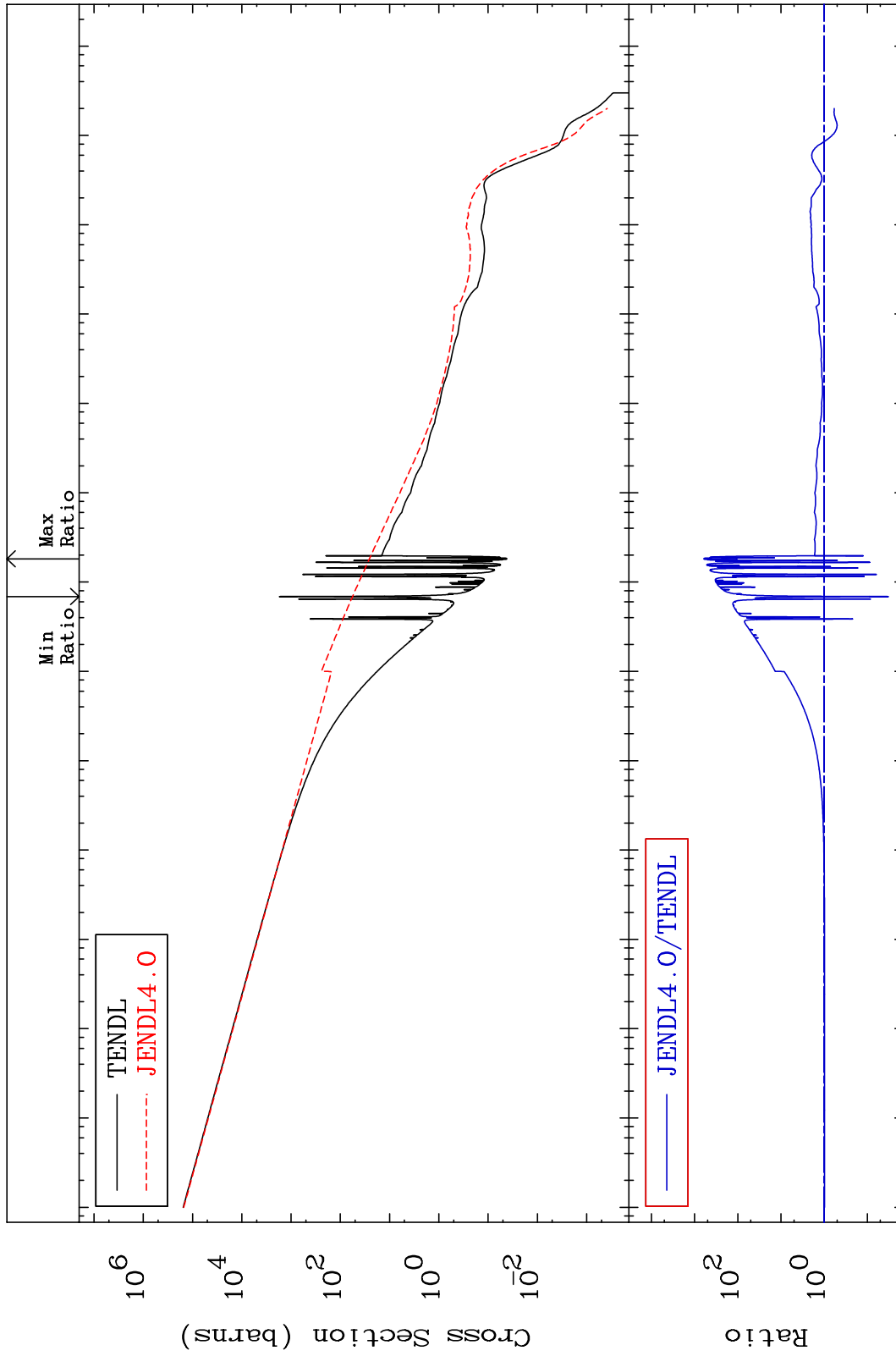
32

76-Os-184

MAT 7625

(n, γ)
Cross Section

76-0s-184
-96.71 To 9999. %



Incident Energy (eV)

76-0s-184

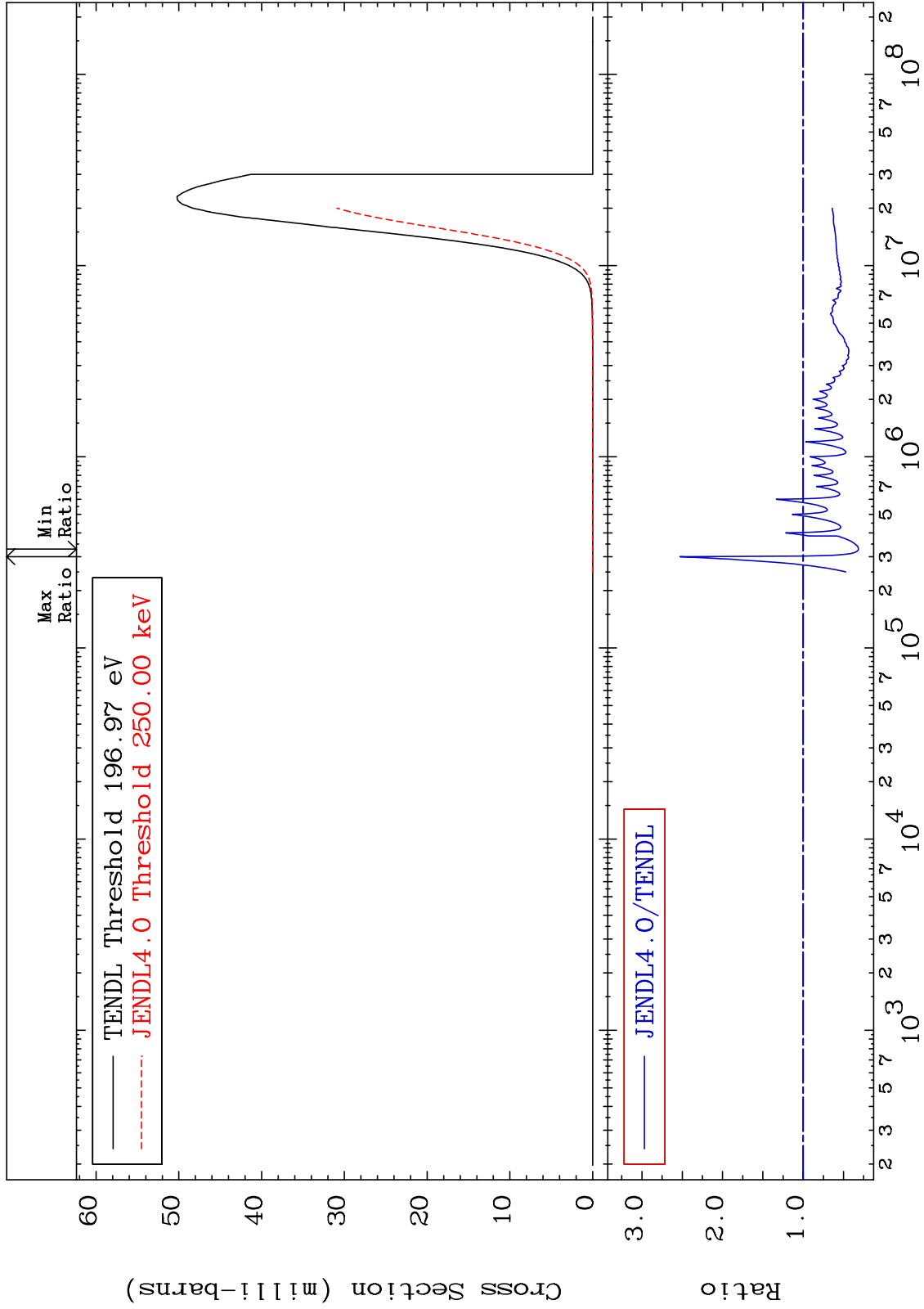
MAT 7625

(n, p)

76-0s-184

Cross Section

-68.47 To 152.8 %



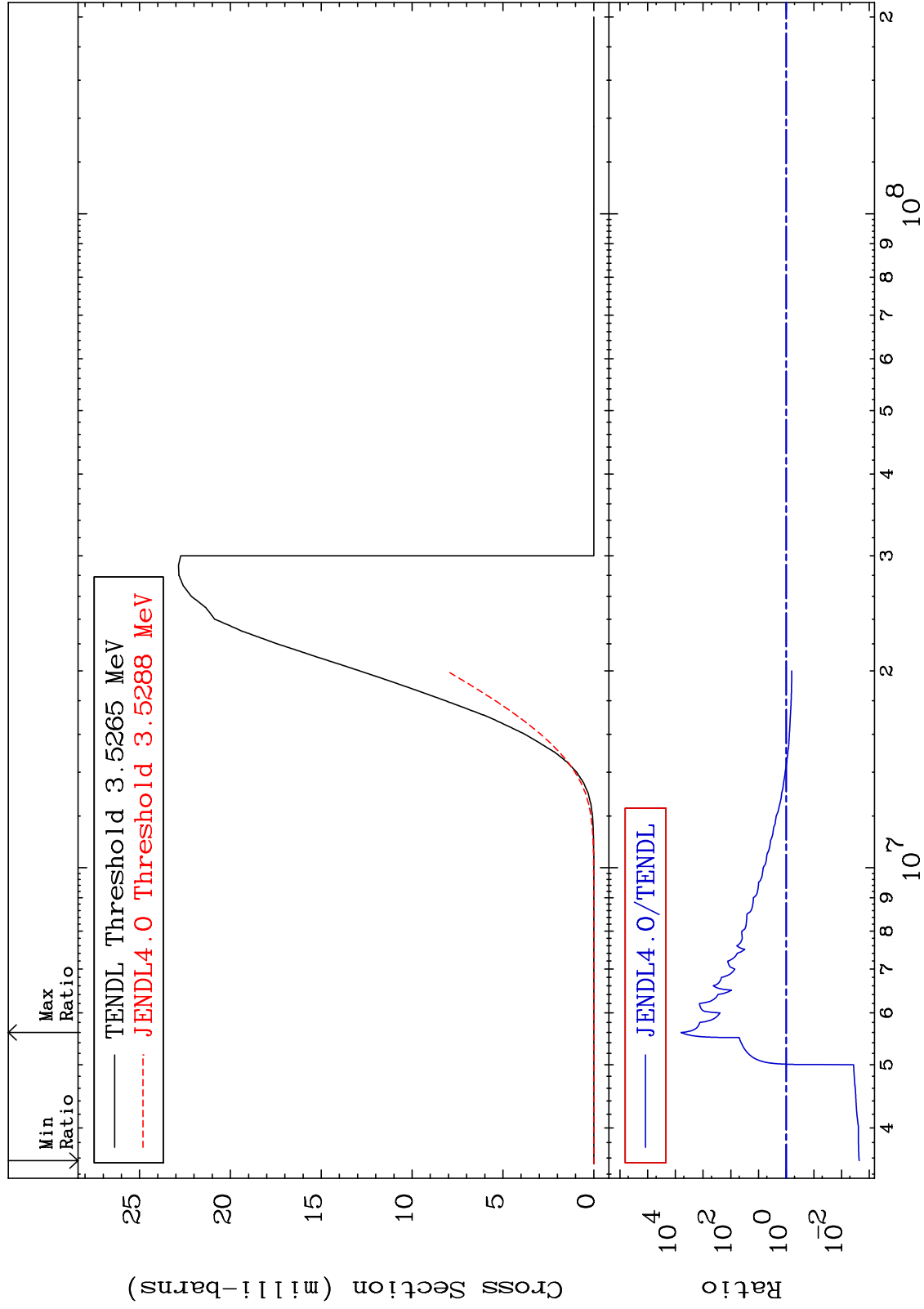
MAT 7625

(n, d)

76-0s-184

Cross Section

-99.77 To 9999. %

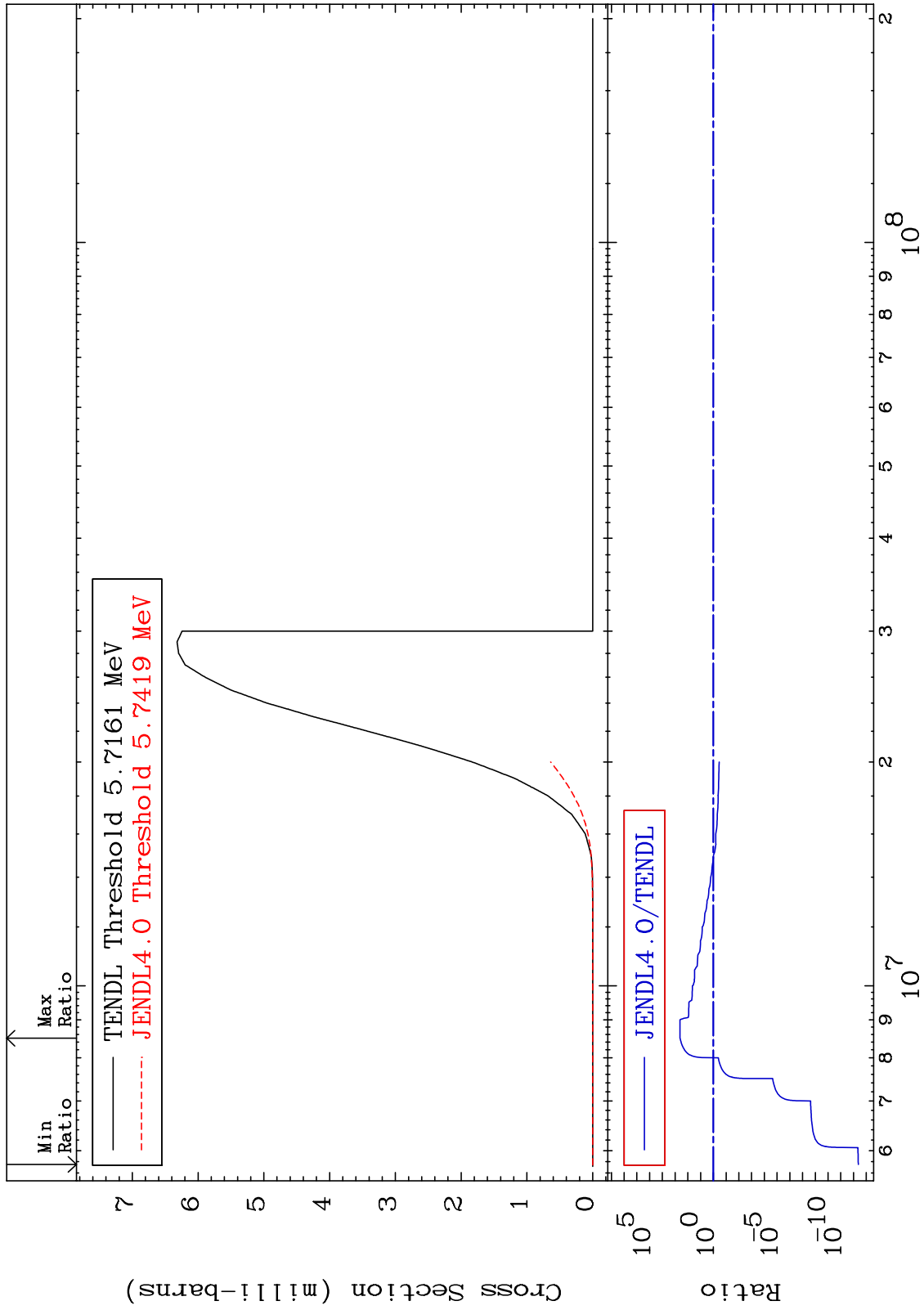


35

Incident Energy (eV)

76-0s-184

MAT 7625 (n, t) 76-0s-184
 Cross Section -100.0 To 9999. %



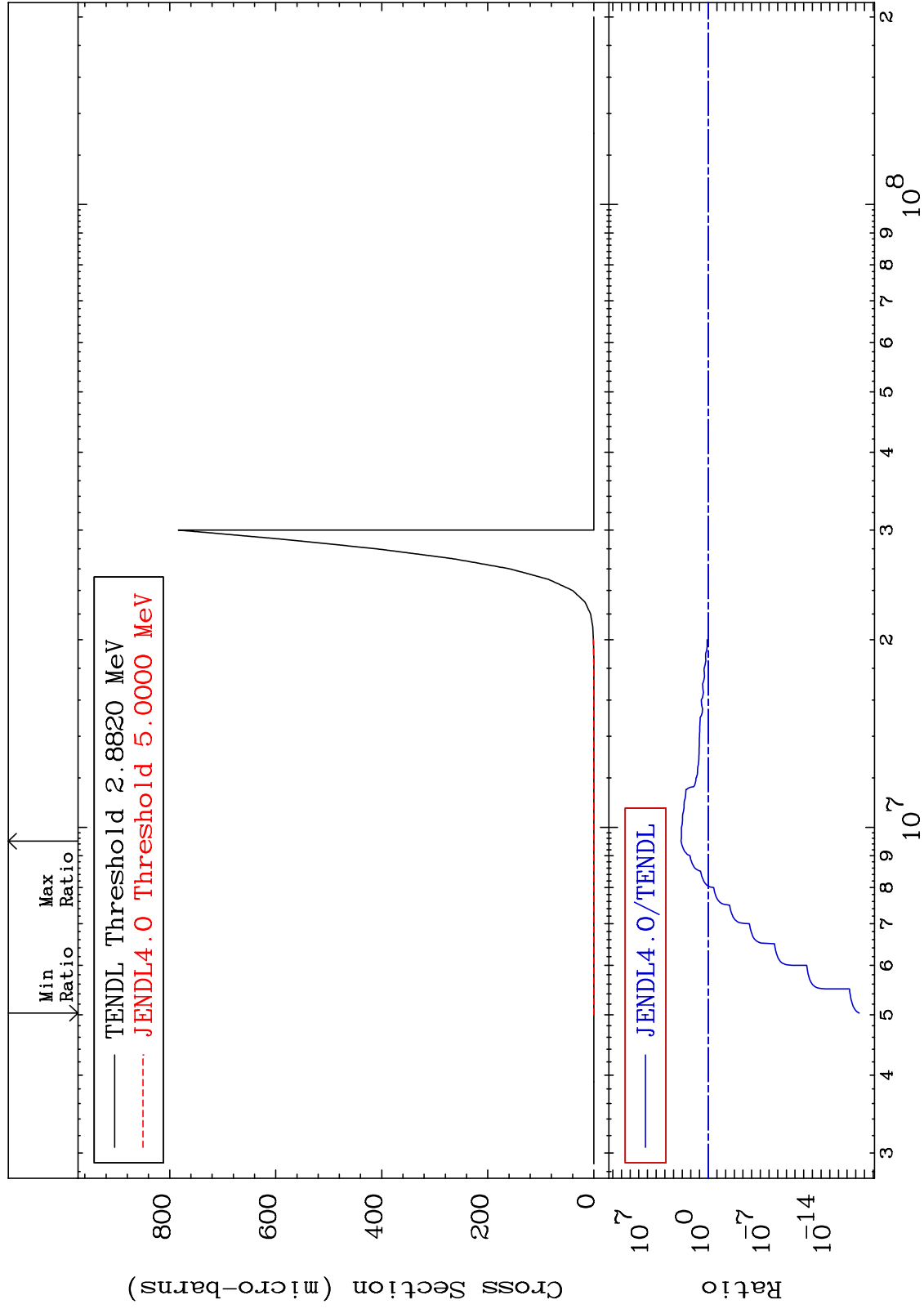
MAT 7625

(n, He-3)

76-0s-184

Cross Section

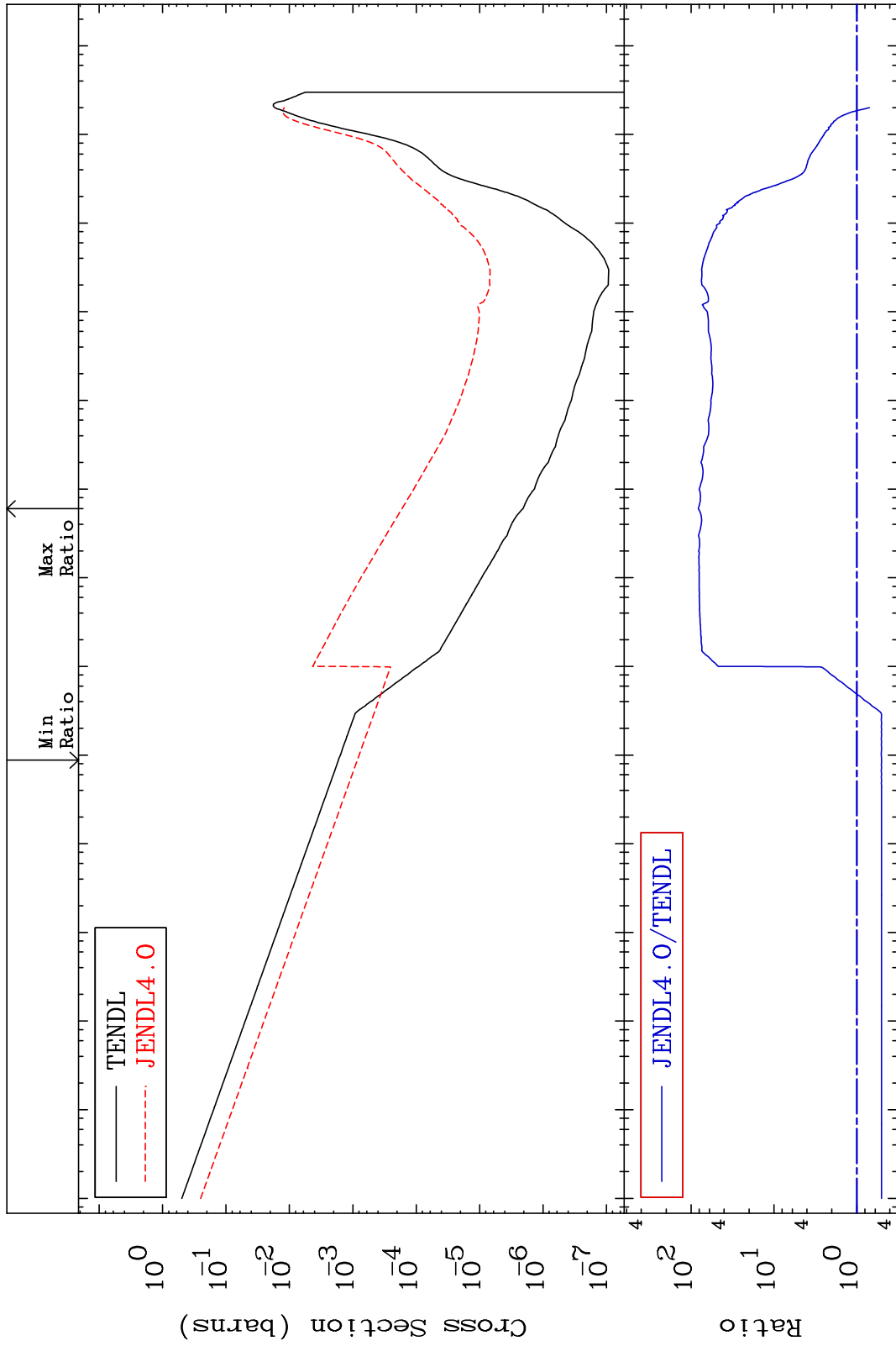
-100.0 To 9999. %



MAT 7625

(n, α)
Cross Section

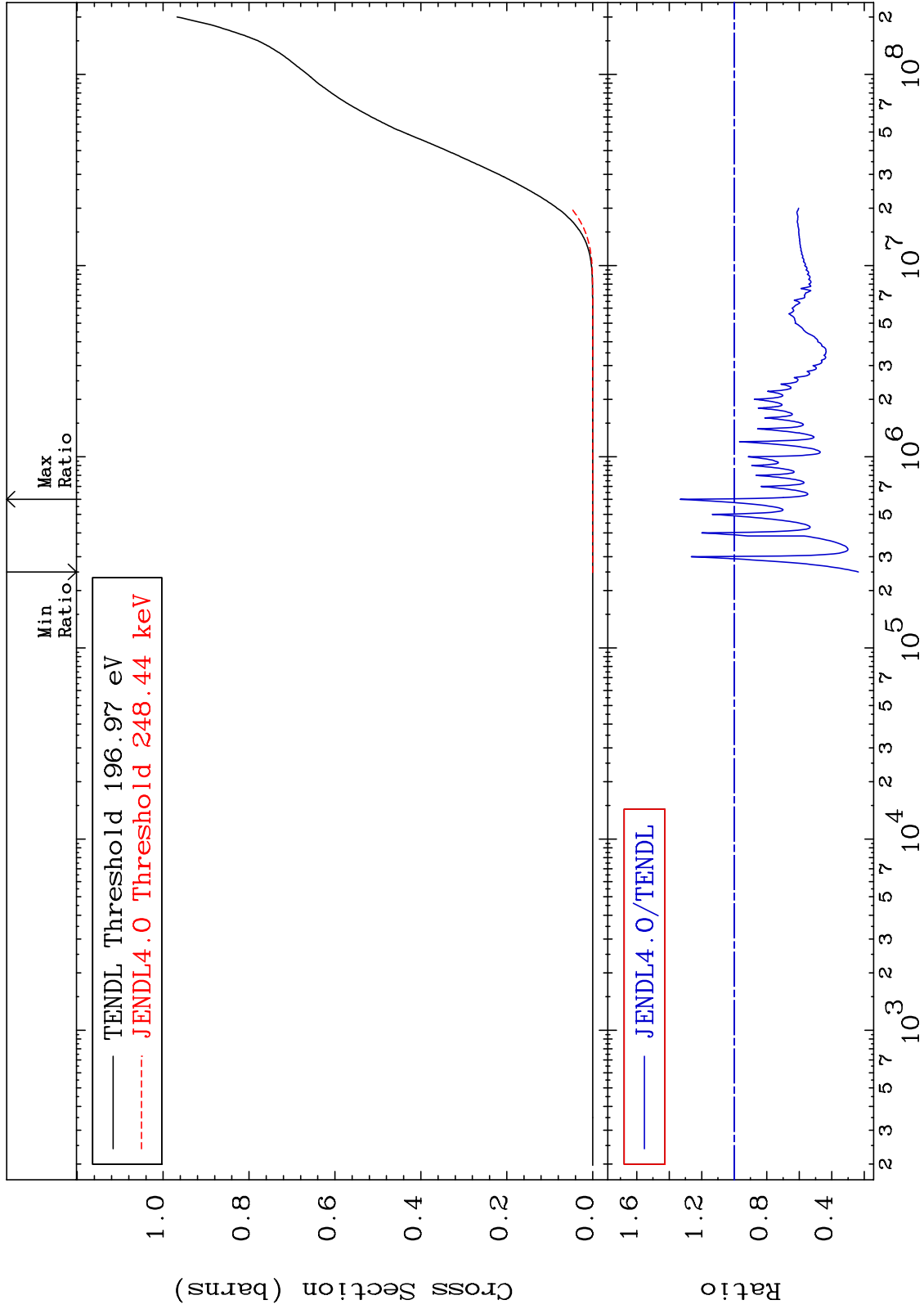
76-0s-184
-49.70 To 8077. %



MAT 7625

Hydrogen Production
Cross Section

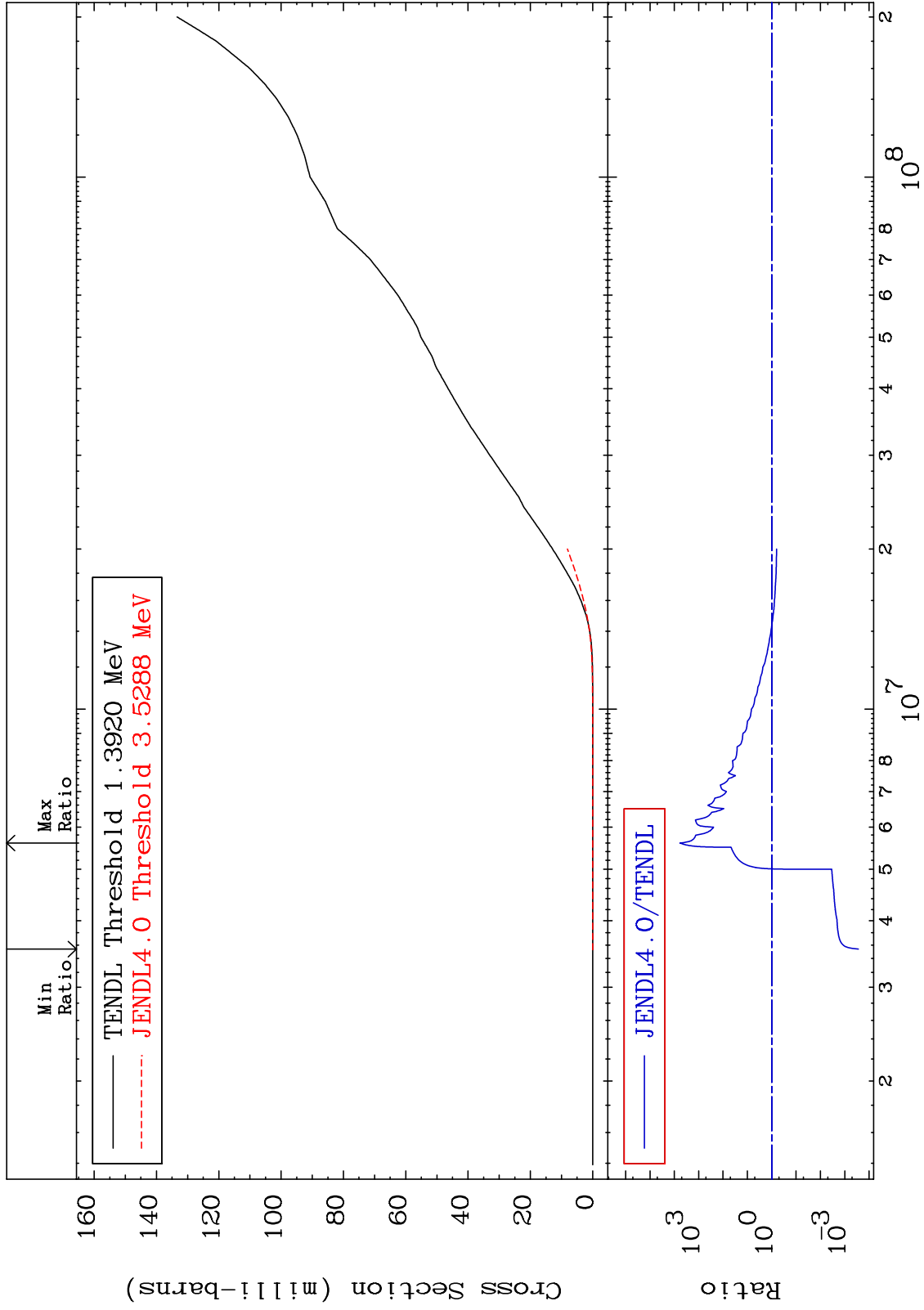
76-0s-184
-76.38 To 33.35 %



MAT 7625

Deuterium Production
Cross Section

⁷⁶Os-184
-99.97 To 9999. %



40

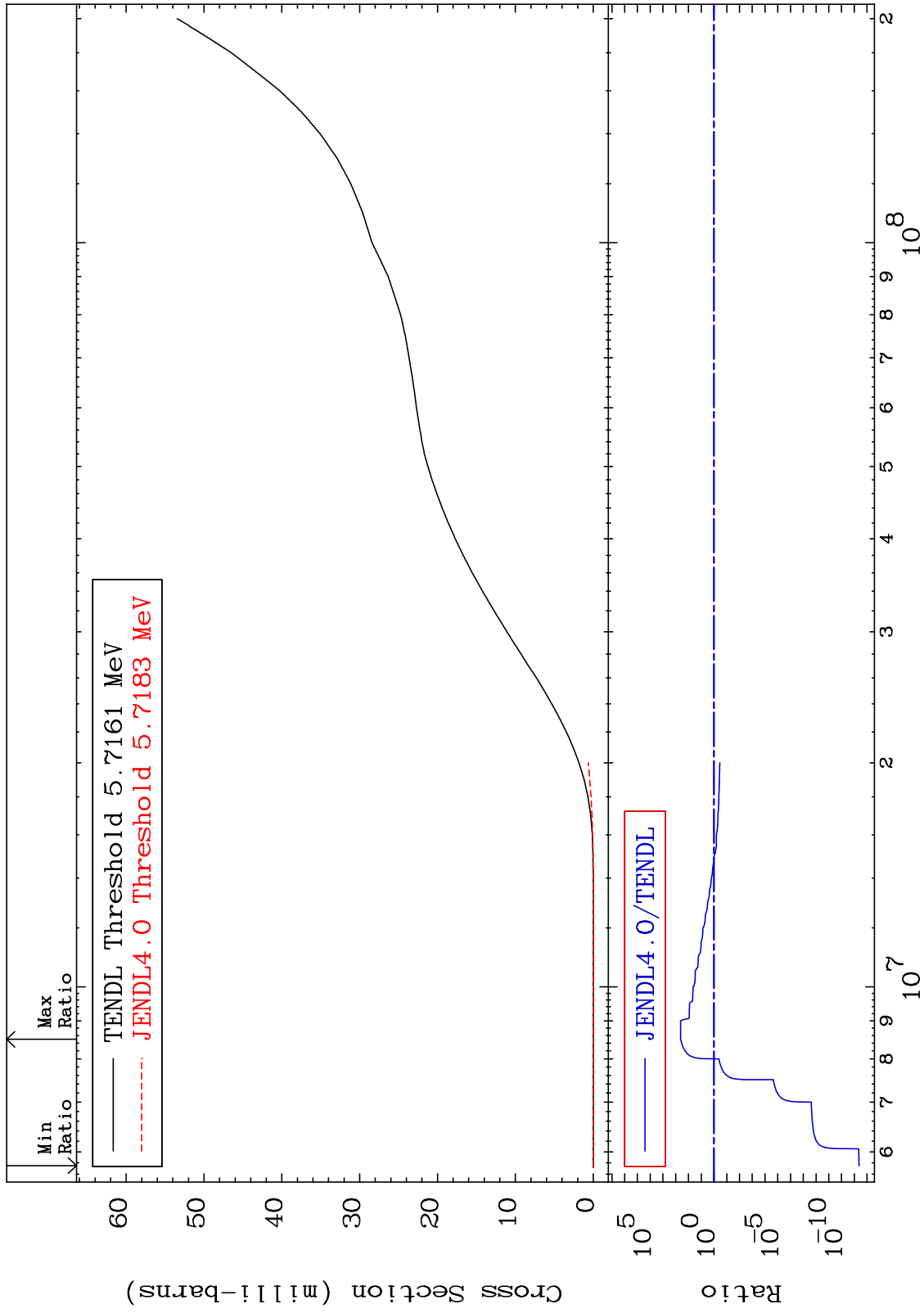
Incident Energy (eV)

⁷⁶Os-184

MAT 7625

Tritium Production
Cross Section

76-0s-184
-100.0 To 9999. %



41

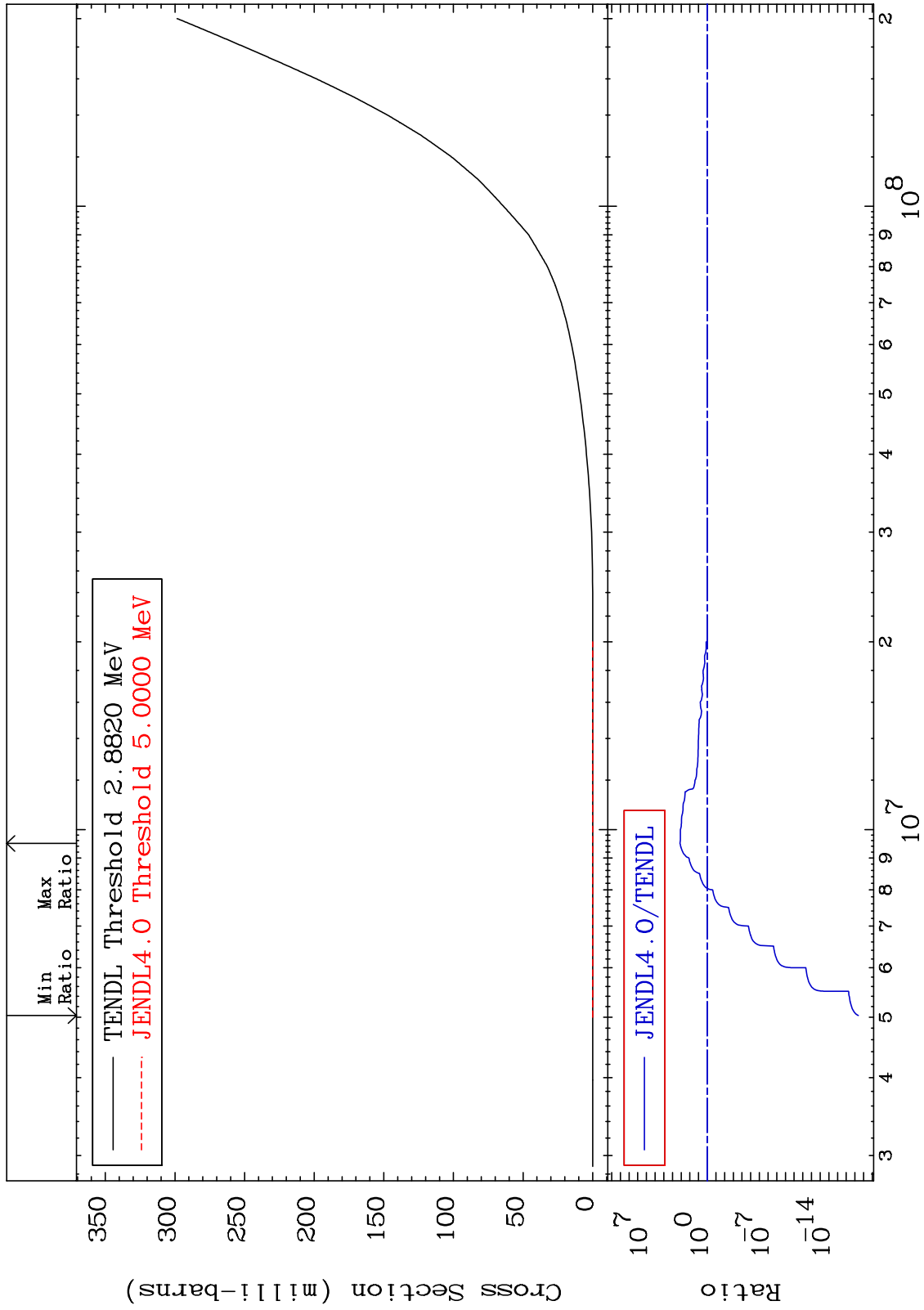
Incident Energy (eV)

76-0s-184

MAT 7625

He-3 Production
Cross Section

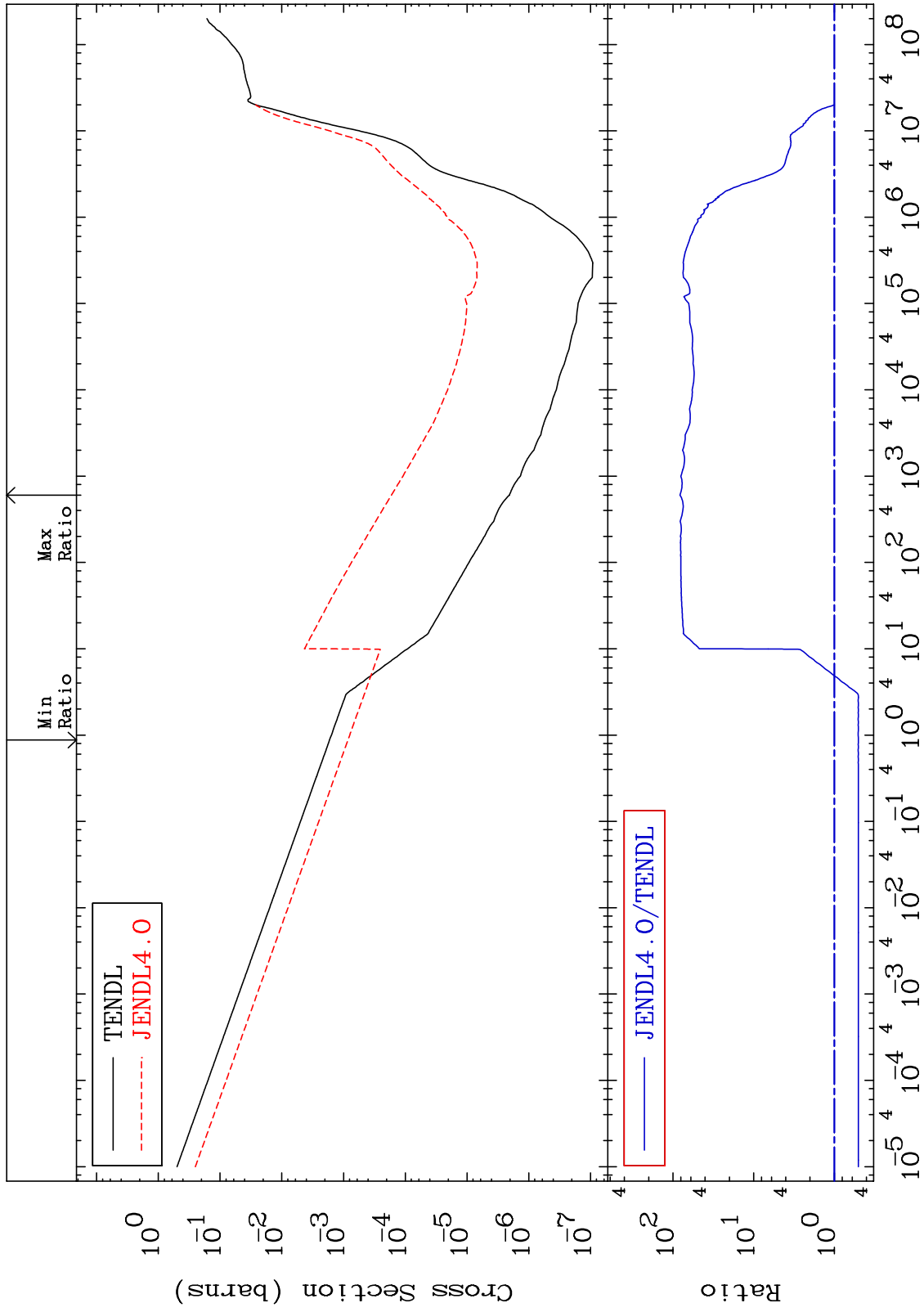
76-Os-184
-100.0 To 9999. %



MAT 7625

He-4 Production
Cross Section

76-0s-184
-49.70 To 8077. %



Incident Energy (eV)

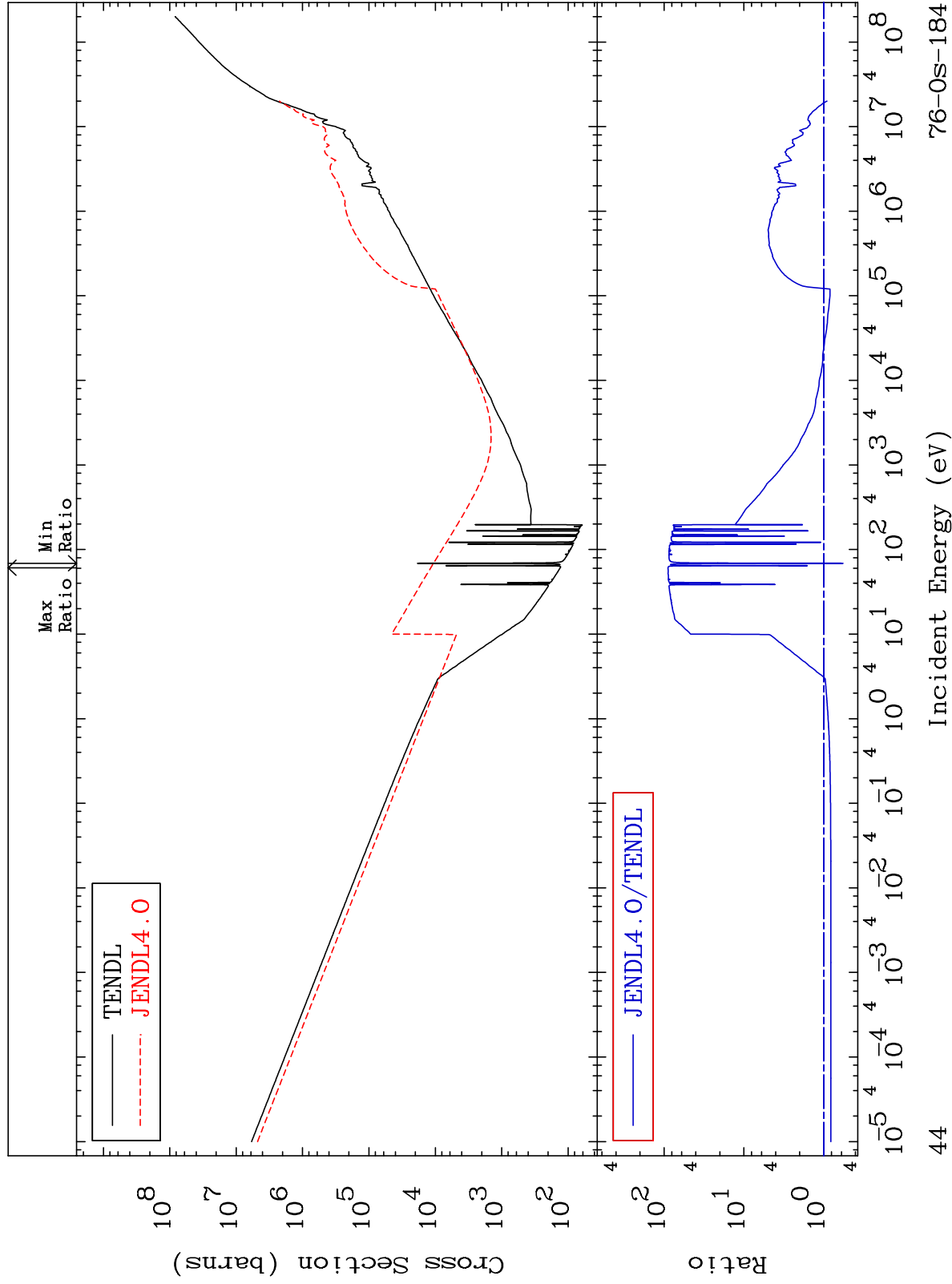
76-0s-184

43

MAT 7625

Kerma total (eV-barns)
Cross Section

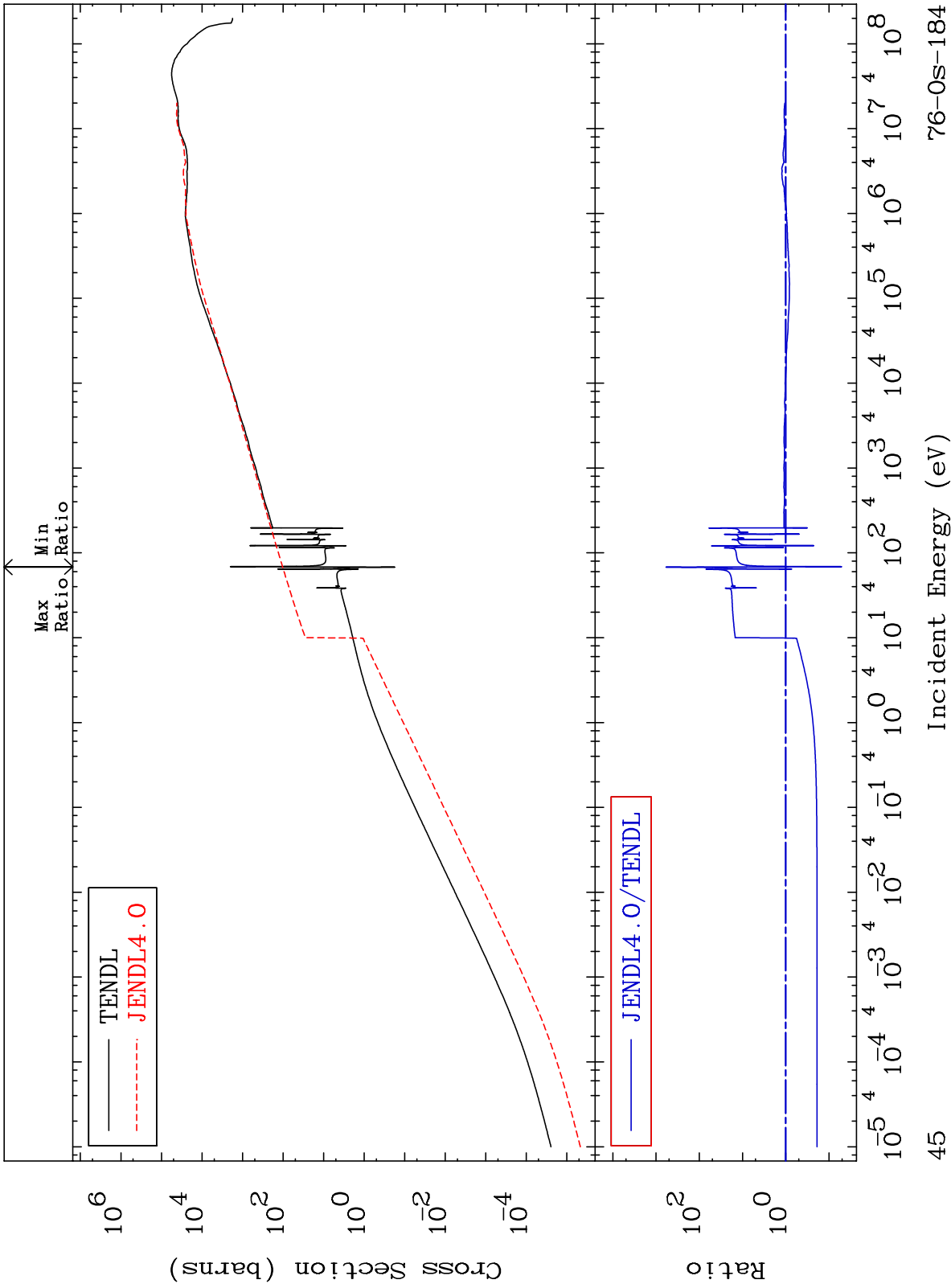
76-0s-184
-42.40 To 8810. %



MAT 7625

Kerma elastic
Cross Section

76-0s-184
-94.85 To 9999. %



45

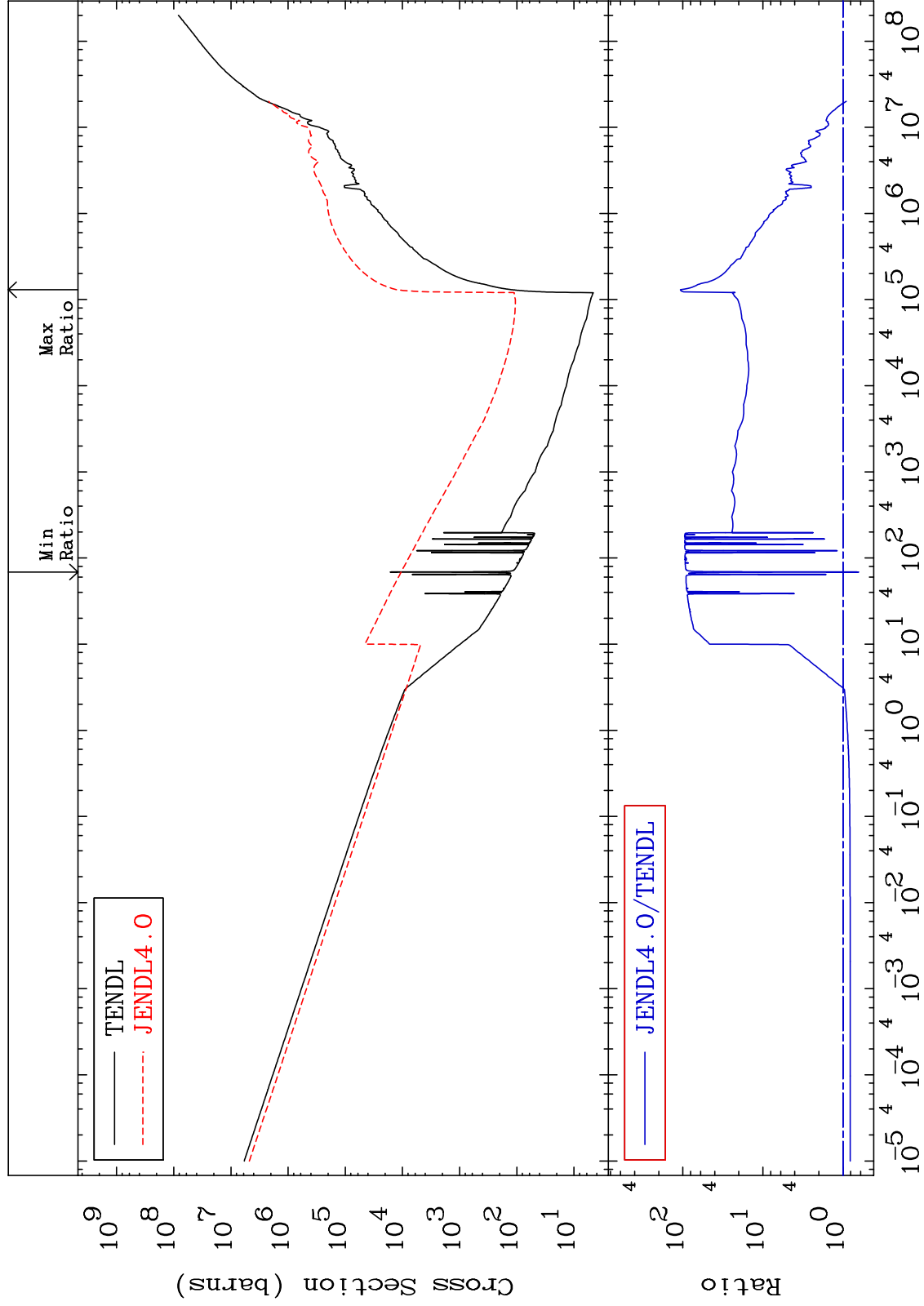
Incident Energy (eV)

76-0s-184

MAT 7625

Kerma non-elastic (all but mt2)
Cross Section

76-0s-184
-36.04 To 9999. %



46

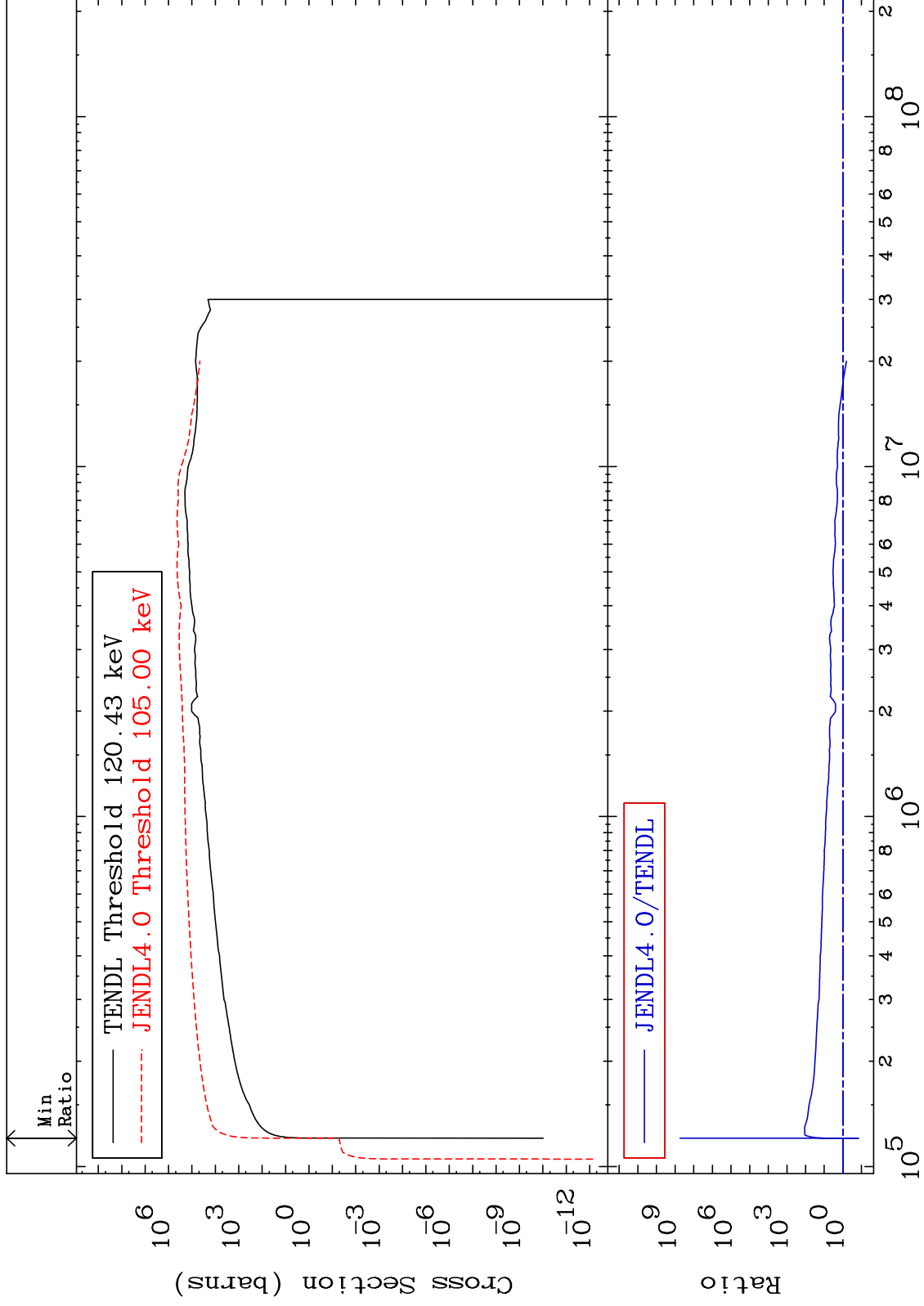
Incident Energy (eV)

76-0s-184

MAT 7625

Kerma inelastic (mt51-91)
Cross Section

76-0s-184
-85.33 To 9999. %



47

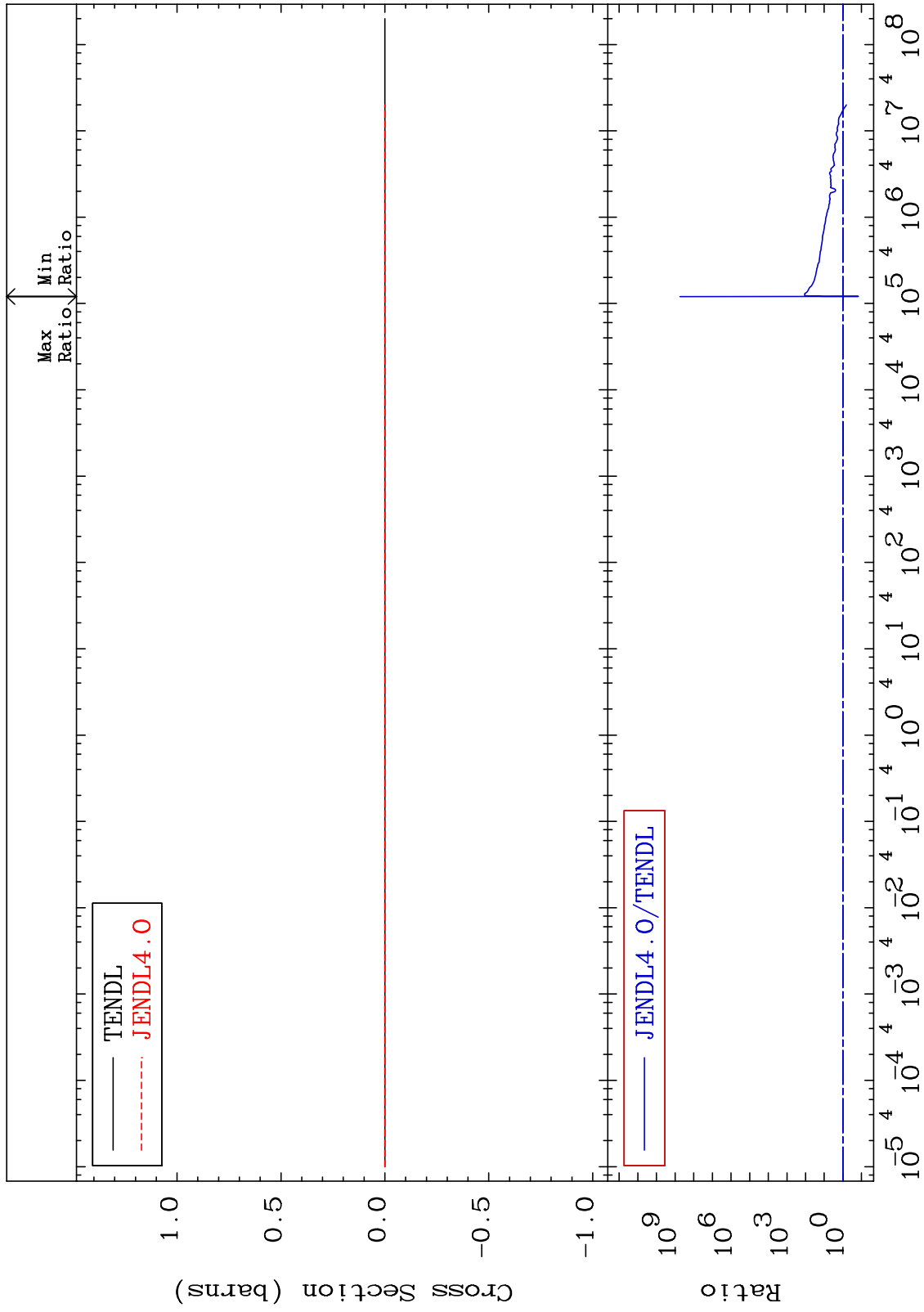
Incident Energy (eV)

76-0s-184

MAT 7625

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

76-0s-184
-85.33 To 9999. %



48

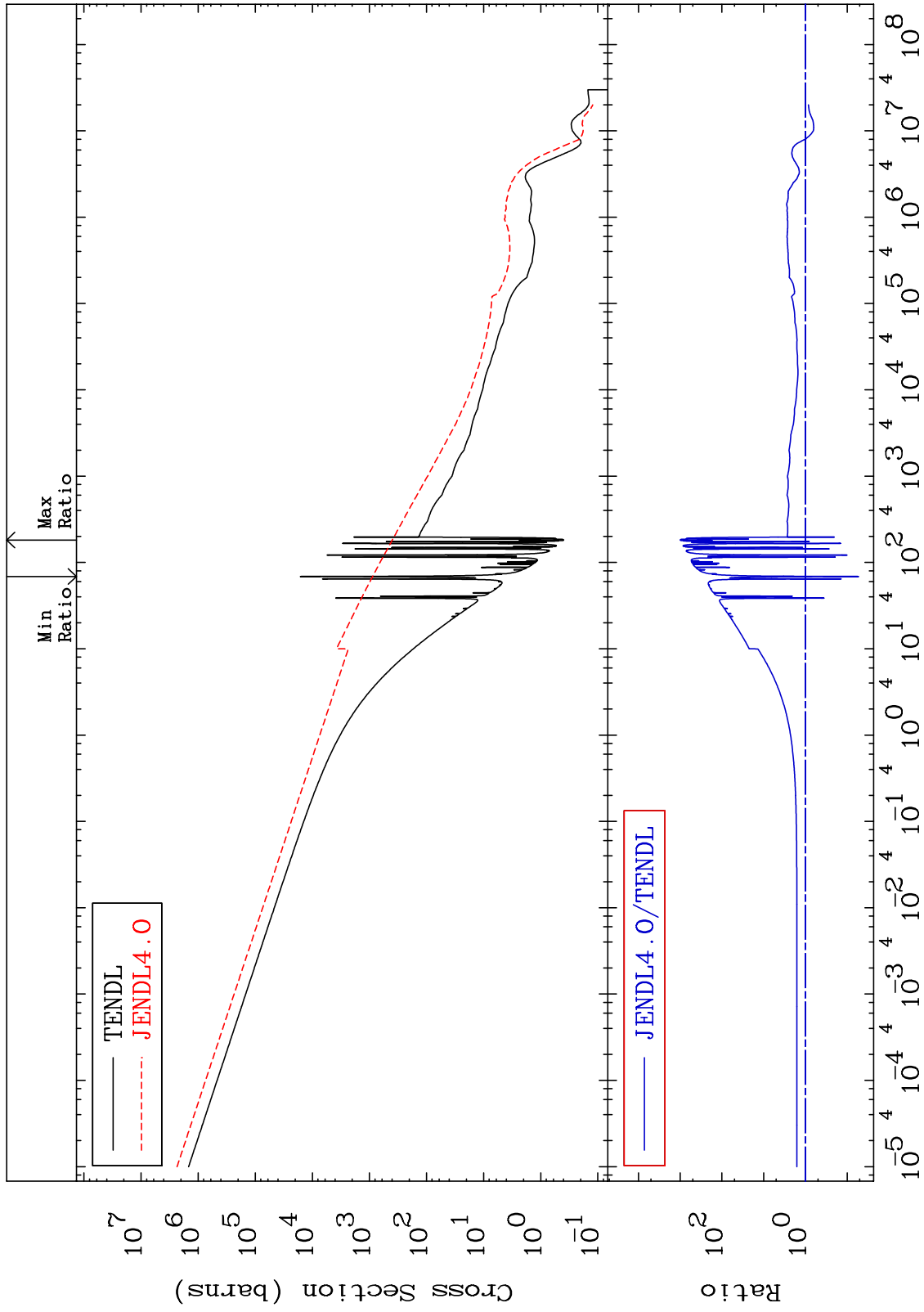
Incident Energy (eV)

76-0s-184

MAT 7625

Kerma capture (mt102)
Cross Section

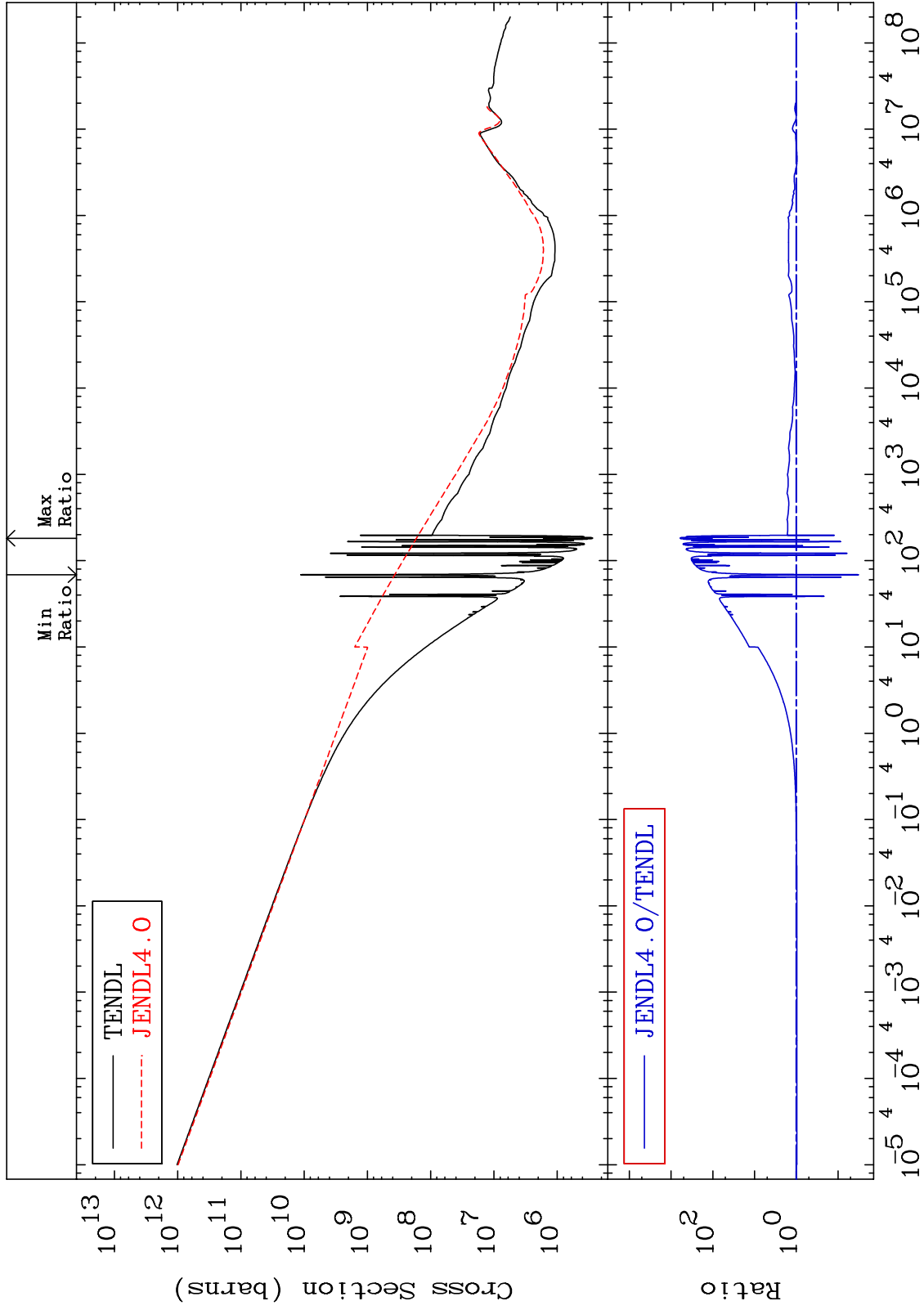
76-0s-184
-94.62 To 9999. %



MAT 7625

Total photon (eV-barns)
Cross Section

76-0s-184
-96.75 To 9999. %



50

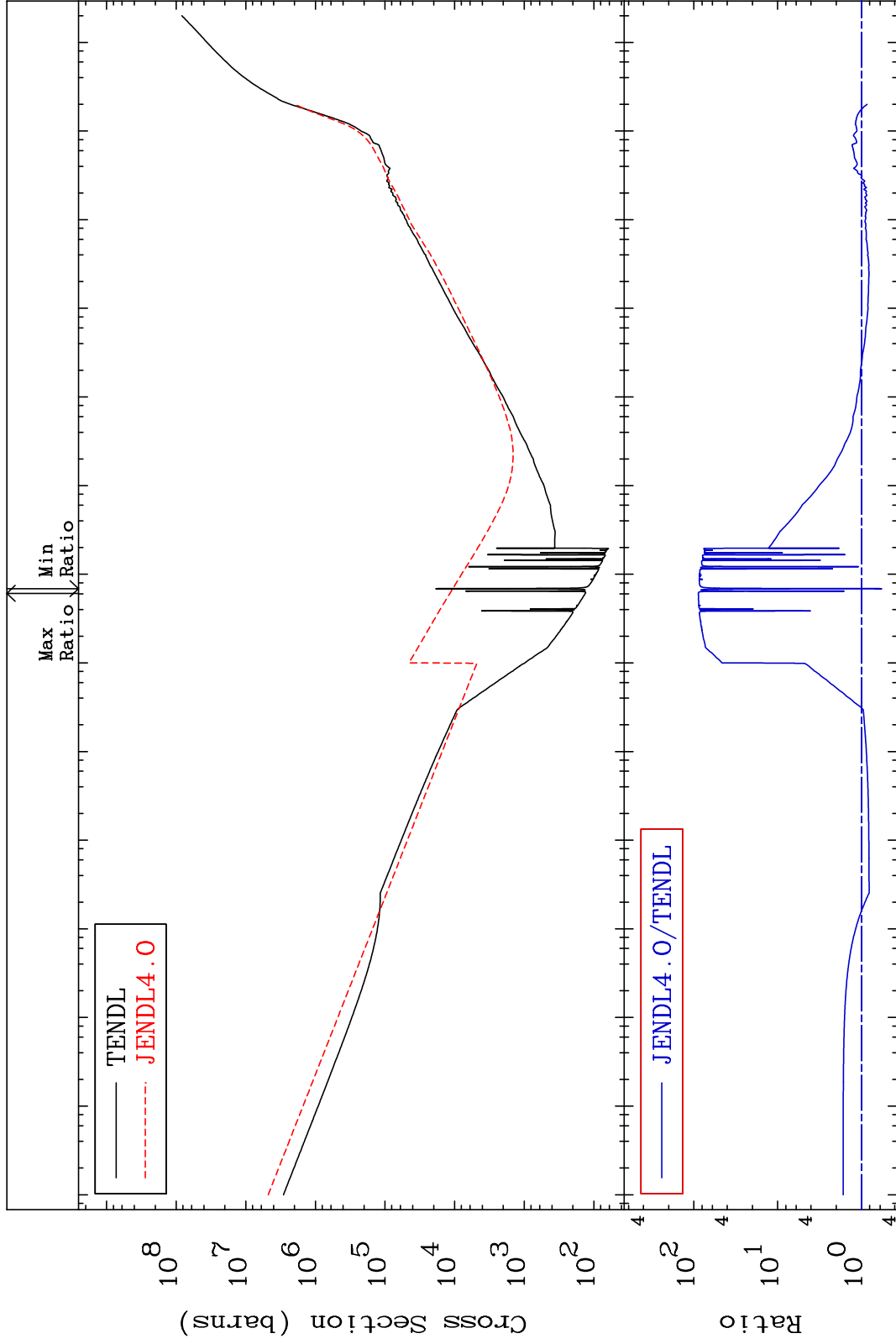
Incident Energy (eV)

76-0s-184

MAT 7625

Total kinematic kerma (high limit)
Cross Section

76-0s-184
-42.40 To 8743. %



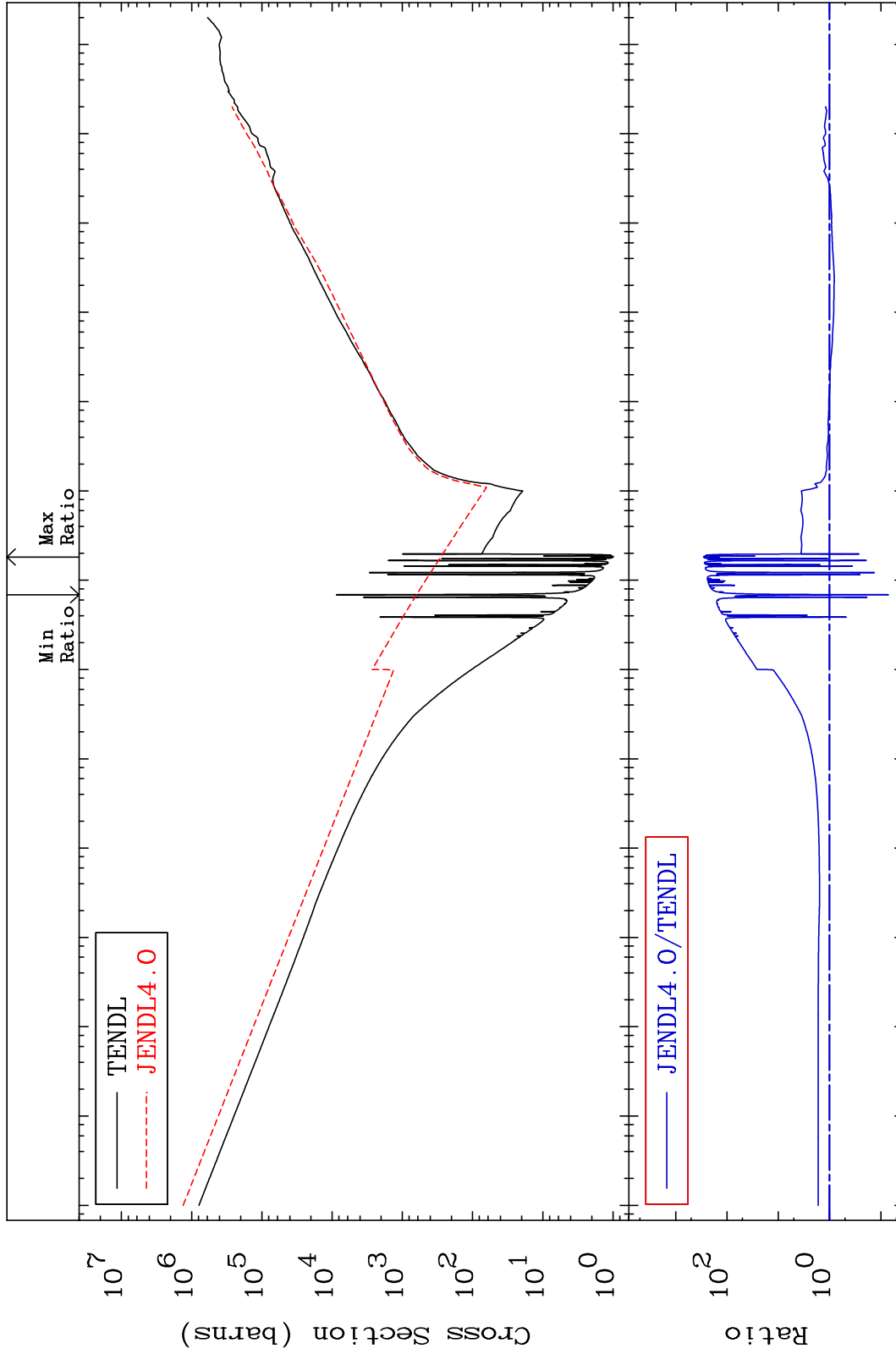
MAT 7625

Dpa total (eV-barns)

76-0s-184

-92.81 To 9999. %

Cross Section



Ratio

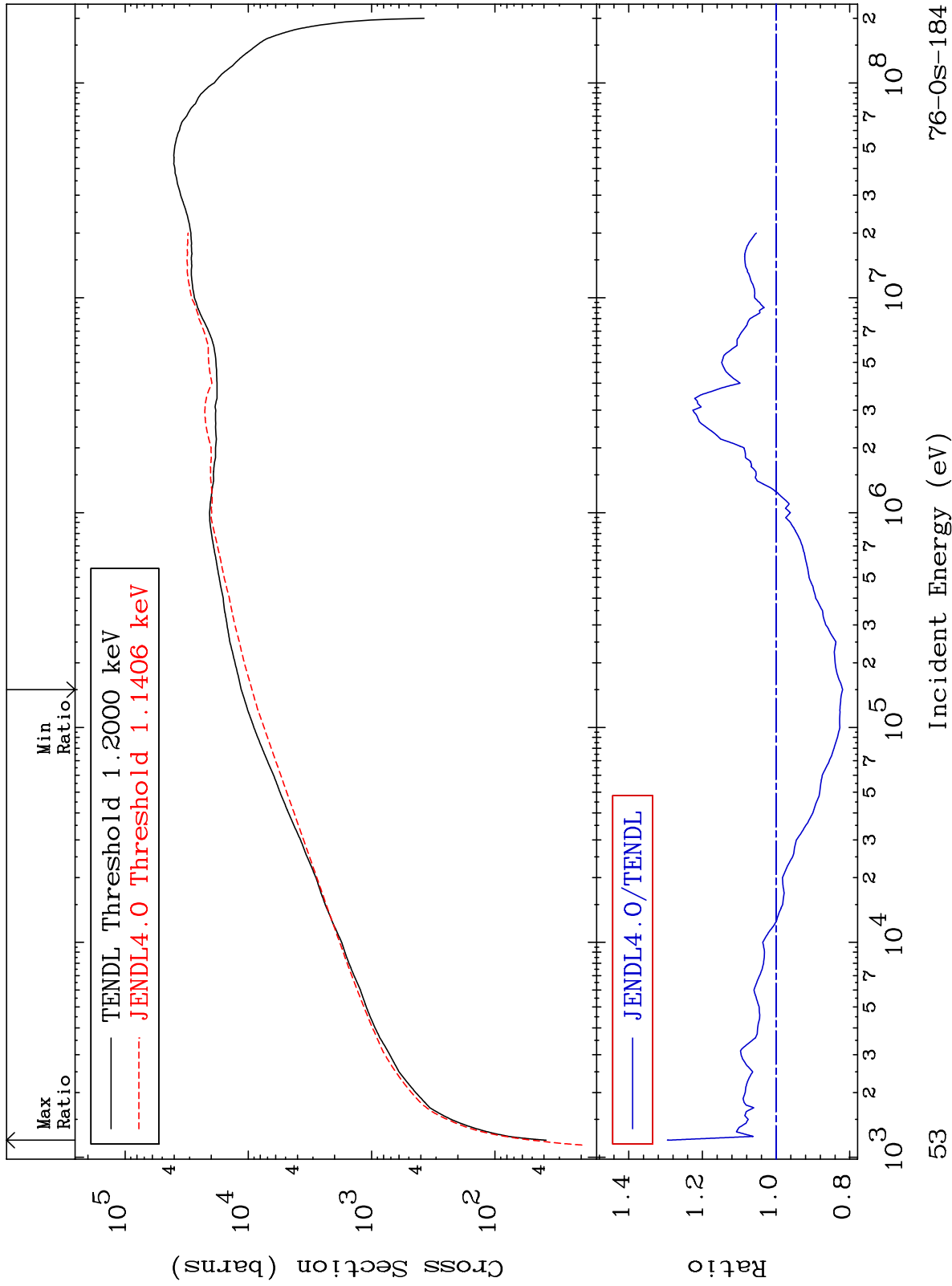
Incident Energy (eV)

76-0s-184

MAT 7625

Dpa elastic (mt2)
Cross Section

76-0s-184
-18.07 To 29.47 %



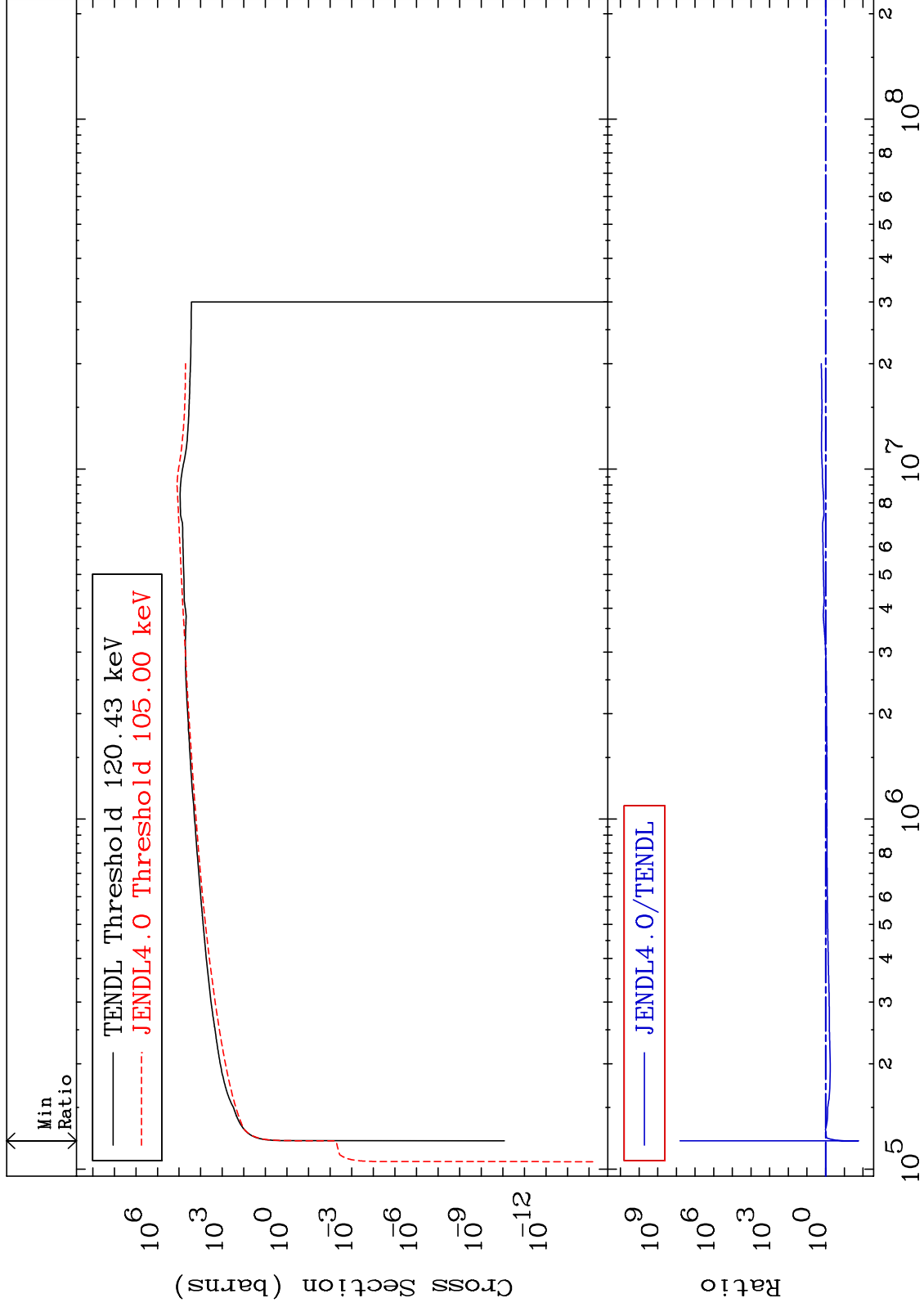
53

76-0s-184

MAT 7625

Dpa inelastic (mt51-91)
Cross Section

76-0s-184
-98.25 To 9999. %



54

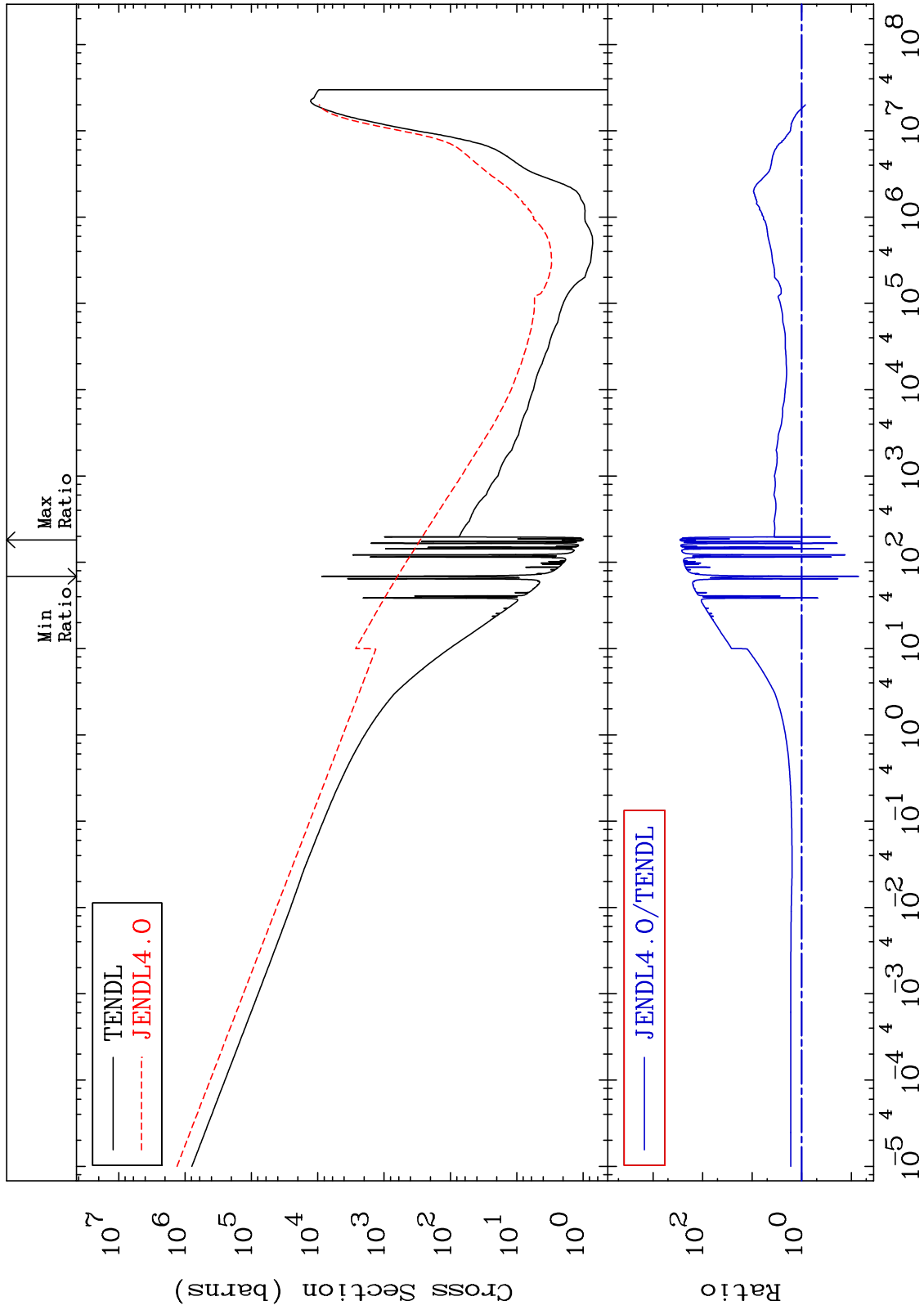
Incident Energy (eV)

76-0s-184

MAT 7625

Dpa disappearance (mt102 -120)
Cross Section

76-0s-184
-92.81 To 9999. %



55

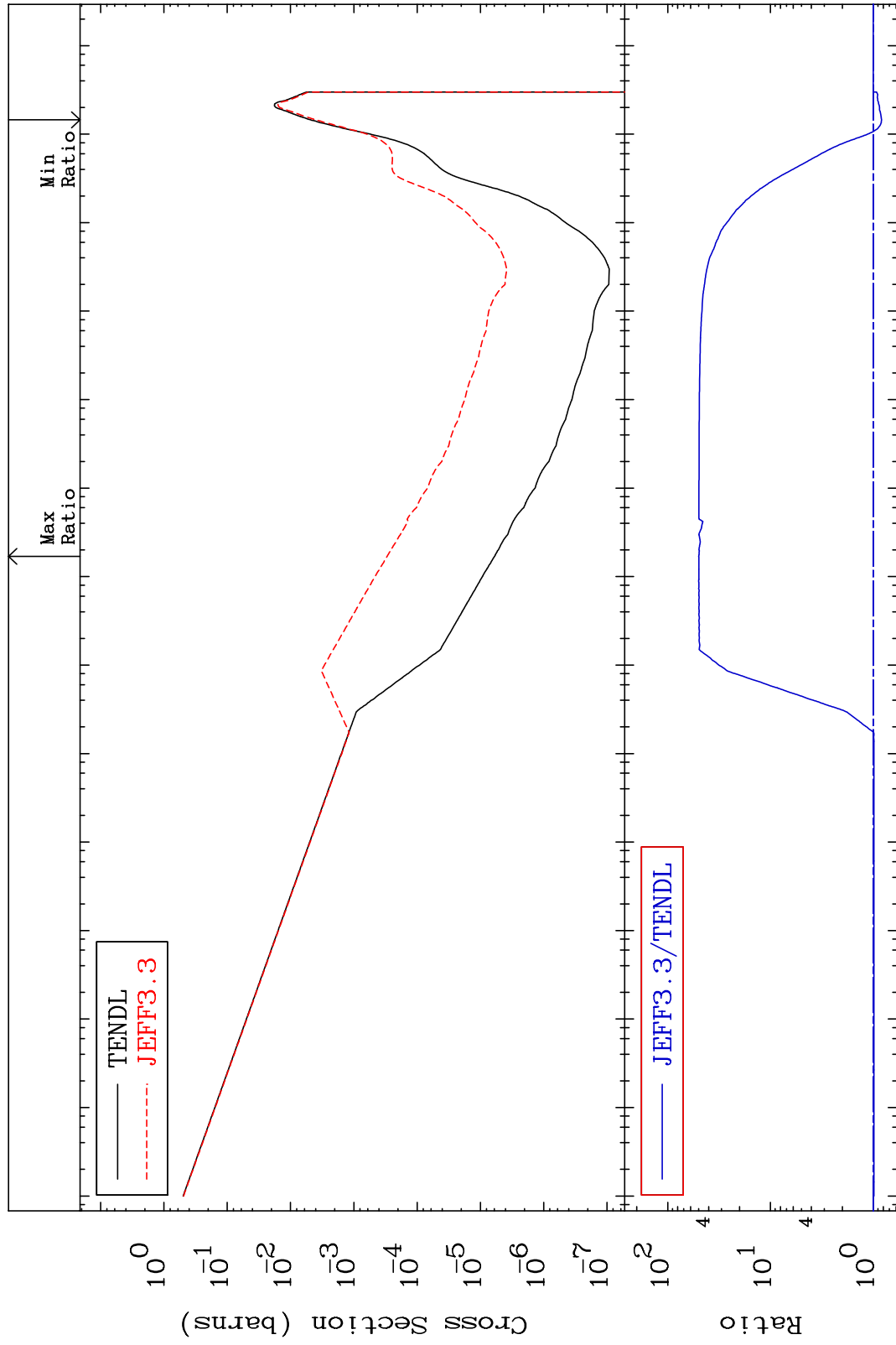
Incident Energy (eV)

76-0s-184

MAT 7625

(n, α)
Cross Section

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



76-0s-184

Incident Energy (eV)

56

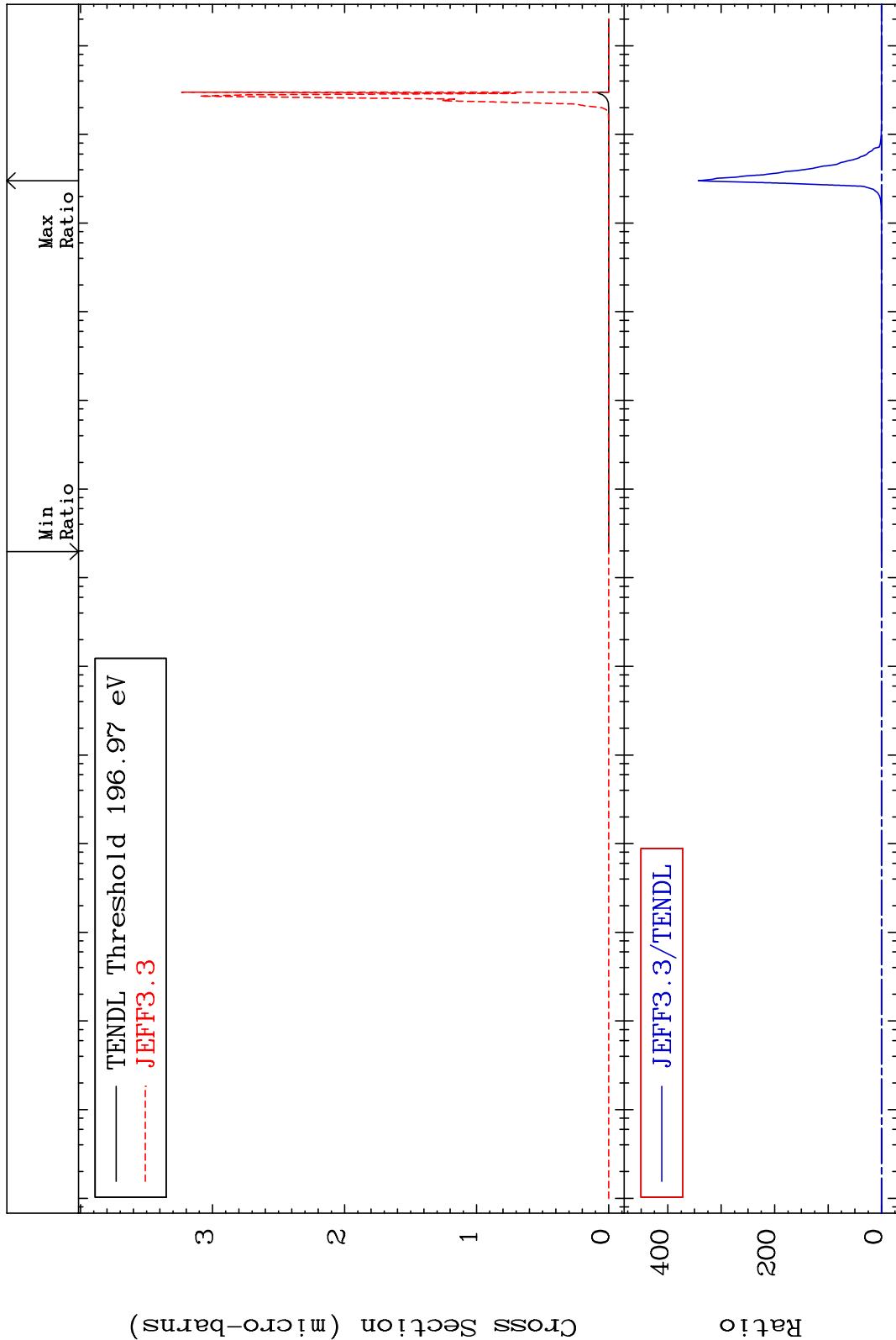
MAT 7625

(n, 2α)

76-0s-184

Cross Section

-100.0 To 9999. %



57

Incident Energy (eV)

76-0s-184

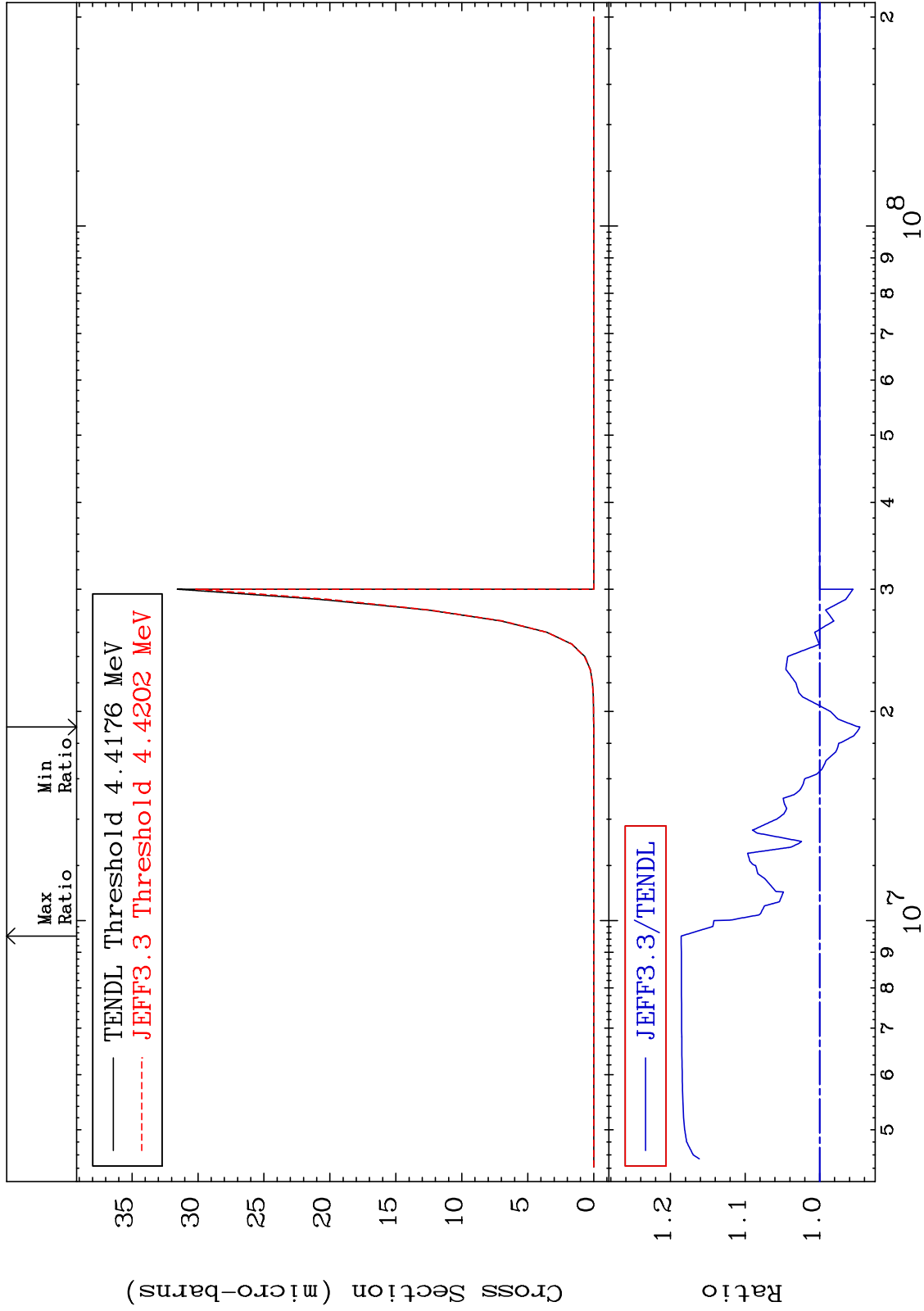
MAT 7625

(n,2p)

76-0s-184

Cross Section

-5.392 To 18.57 %



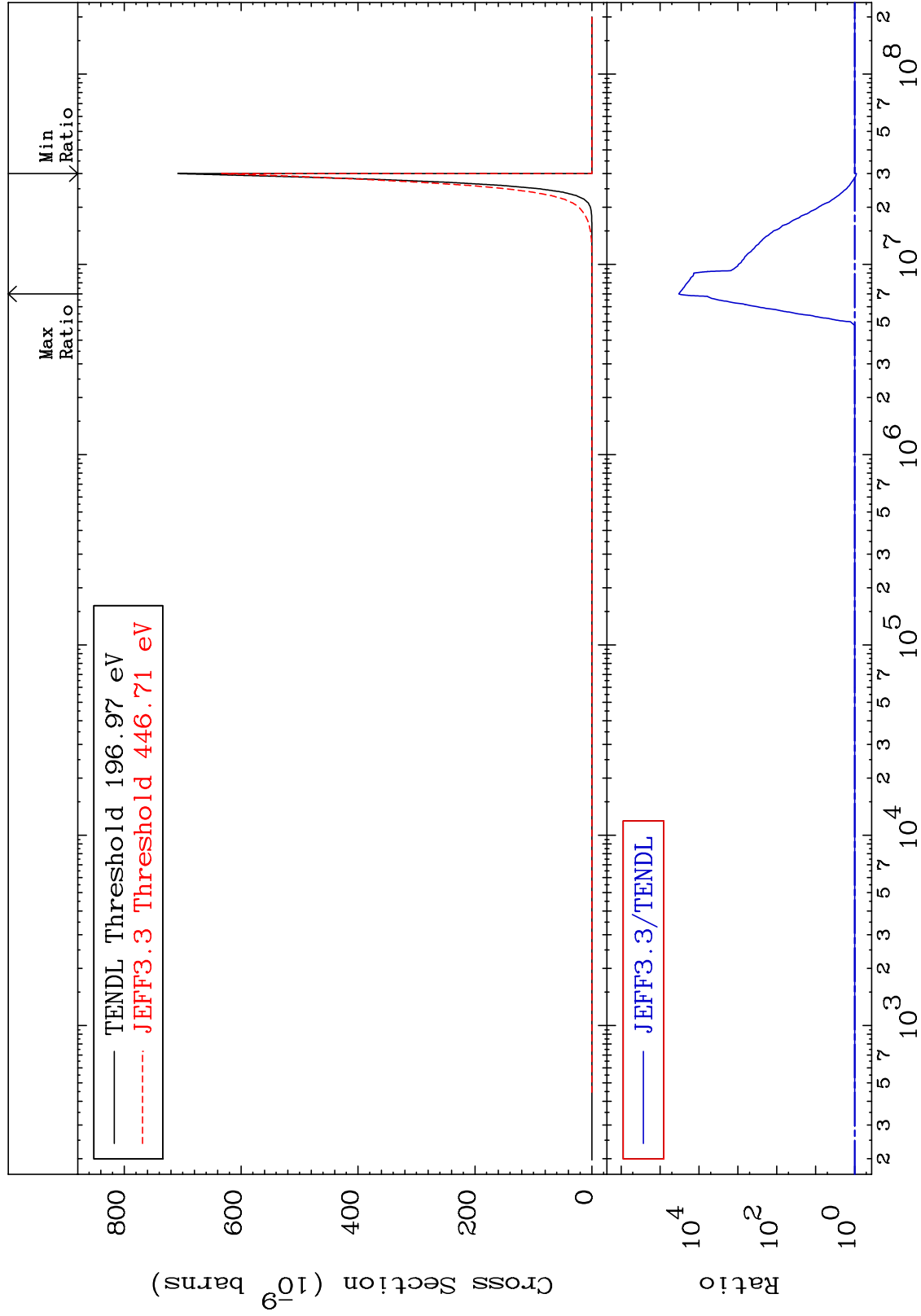
MAT 7625

(n,p) α

Cross Section

76-0s-184

-10.56 To 9999. %



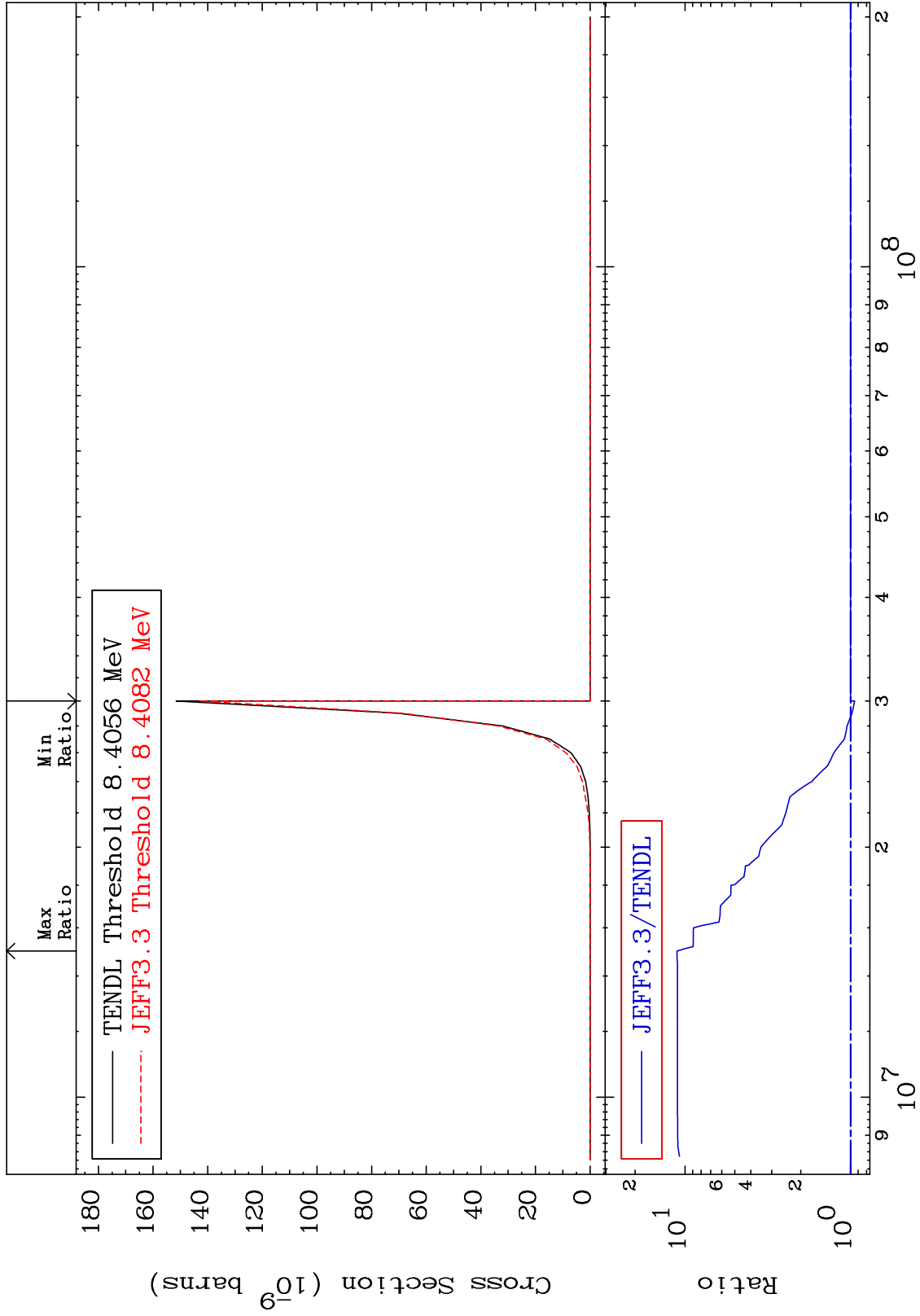
MAT 7625

(n,p) d

76-0s-184

Cross Section

-5.494 To 1016. %



60

Incident Energy (eV)

76-0s-184

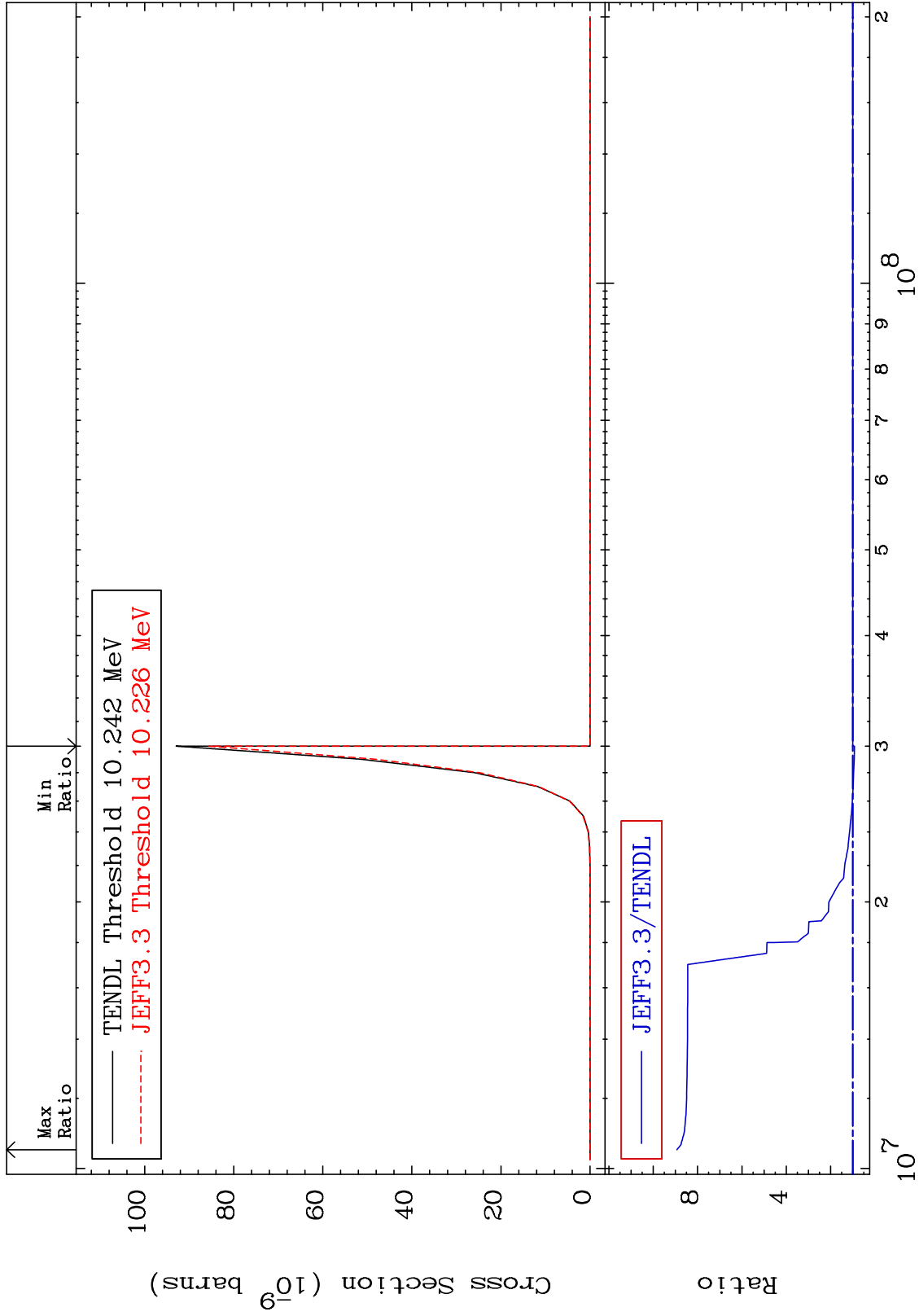
MAT 7625

(n,p) t

76-0s-184

Cross Section

-7.910 To 793.2 %



61

Incident Energy (eV)

76-0s-184

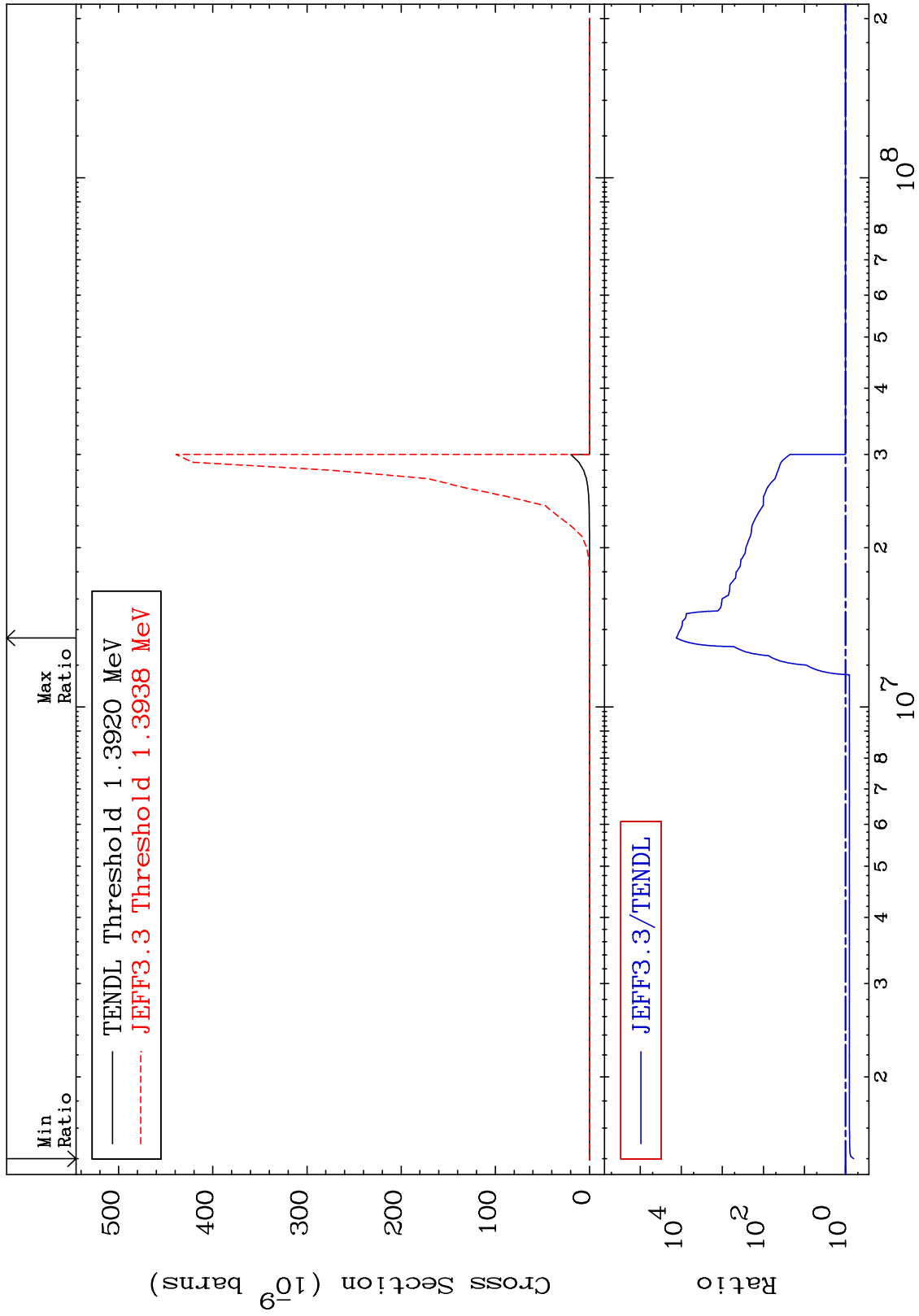
MAT 7625

(n,d) α

⁷⁶Os-184

-36.80 To 9999. %

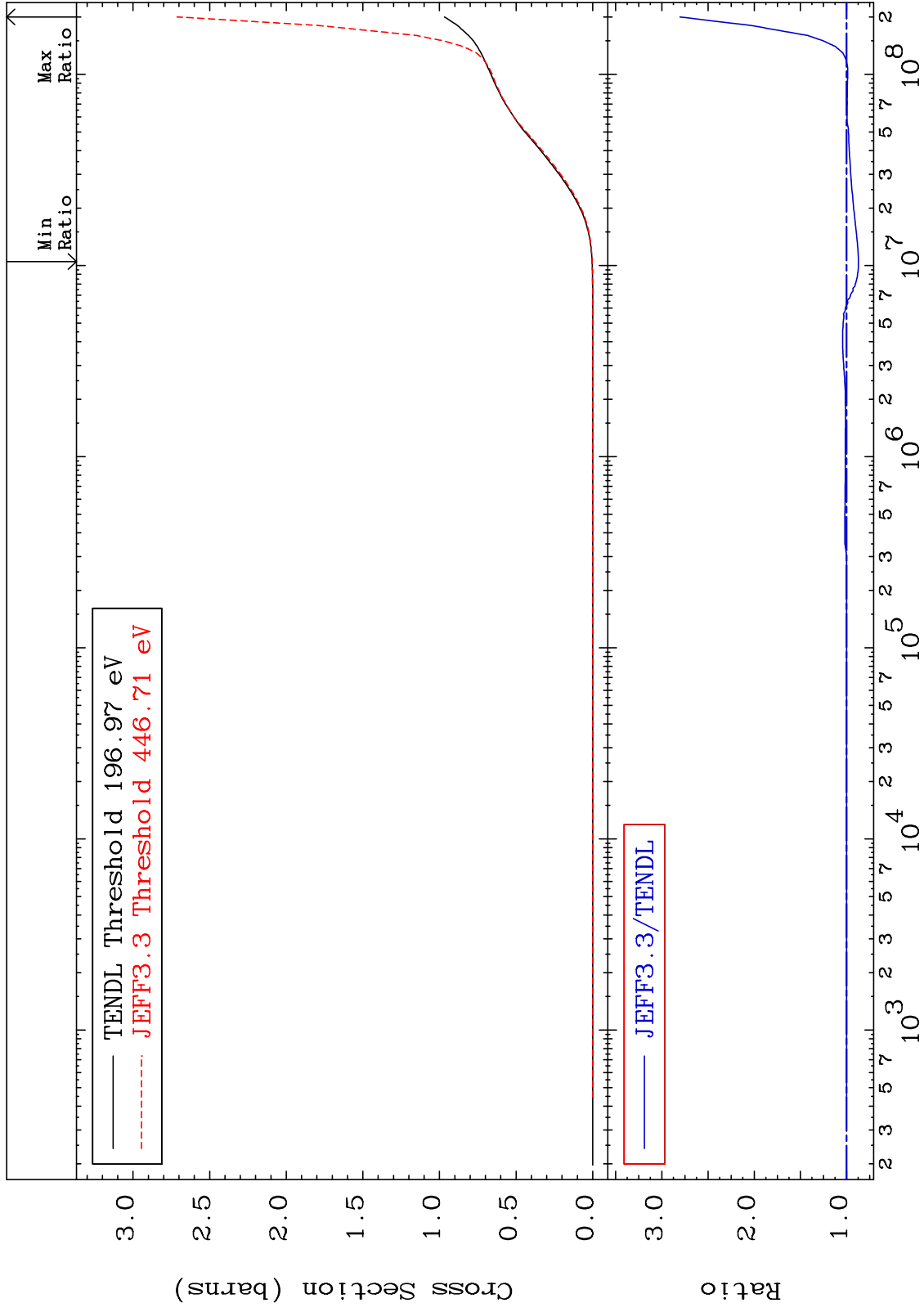
Cross Section



MAT 7625

Hydrogen Production
Cross Section

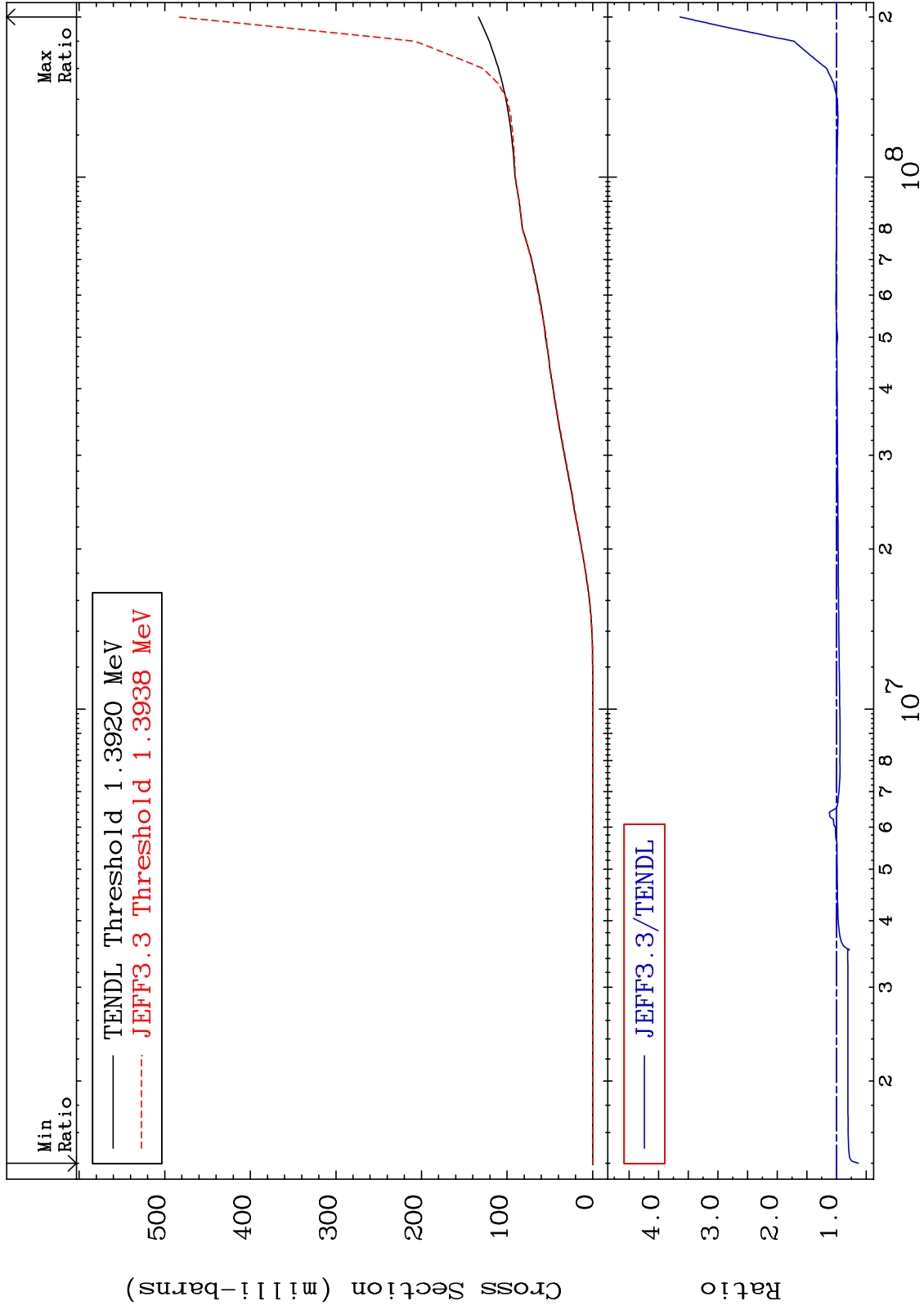
76-0s-184
-12.75 To 180.4 %



MAT 7625

Deuterium Production
Cross Section

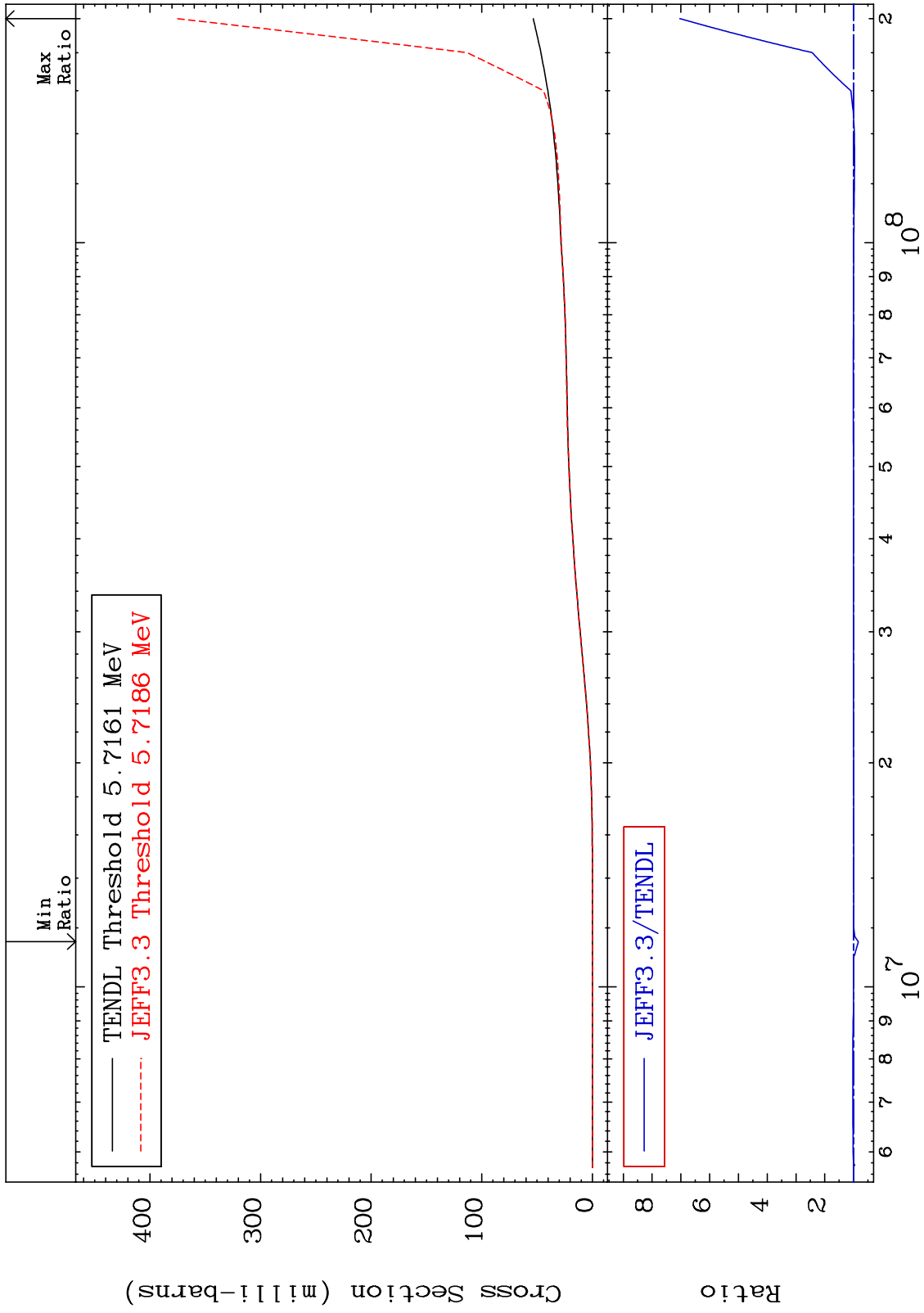
76-0s-184
-36.80 To 264.0 %



MAT 7625

Tritium Production
Cross Section

76-0s-184
-16.72 To 603.7 %



65

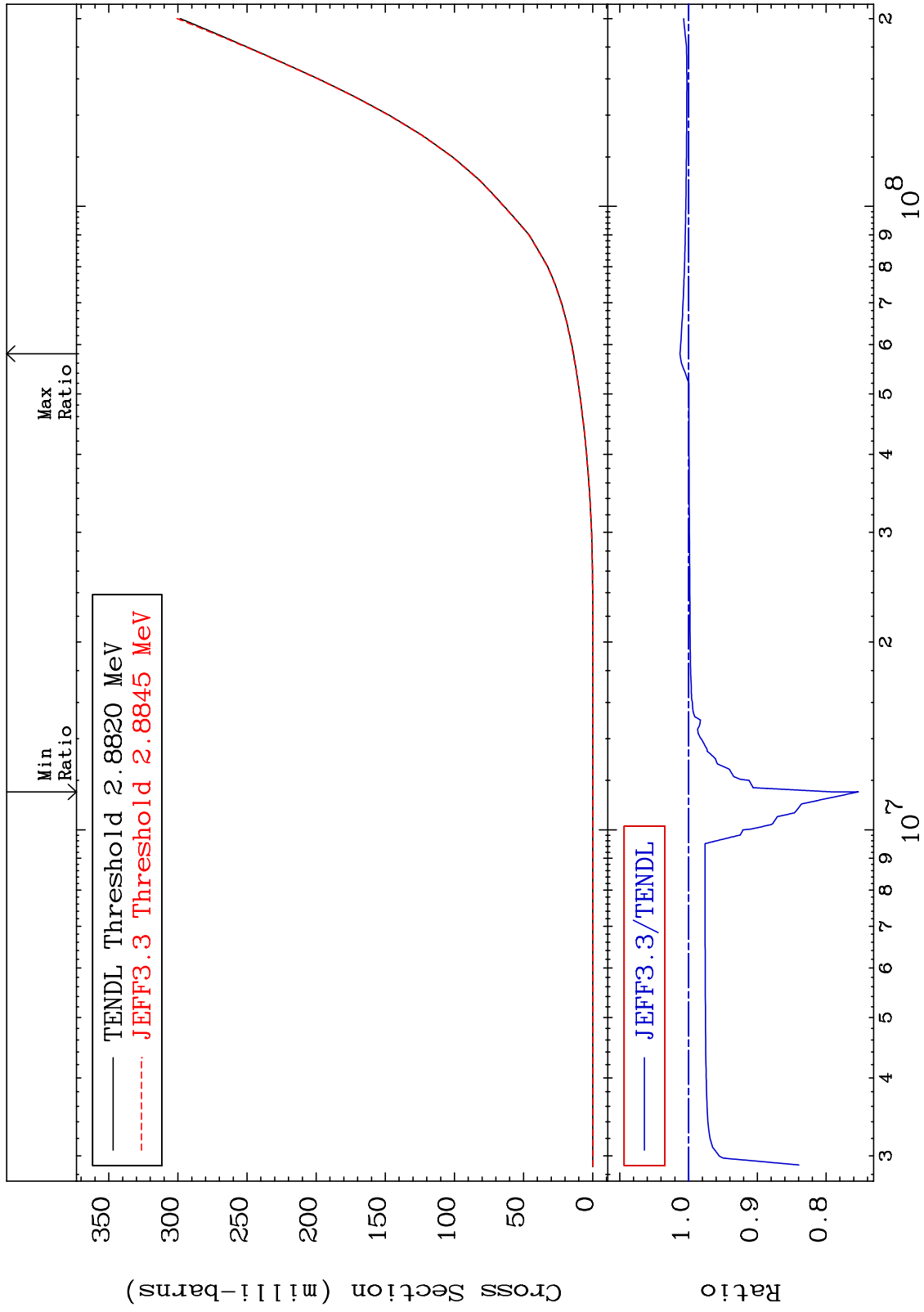
Incident Energy (eV)

76-0s-184

MAT 7625

He-3 Production
Cross Section

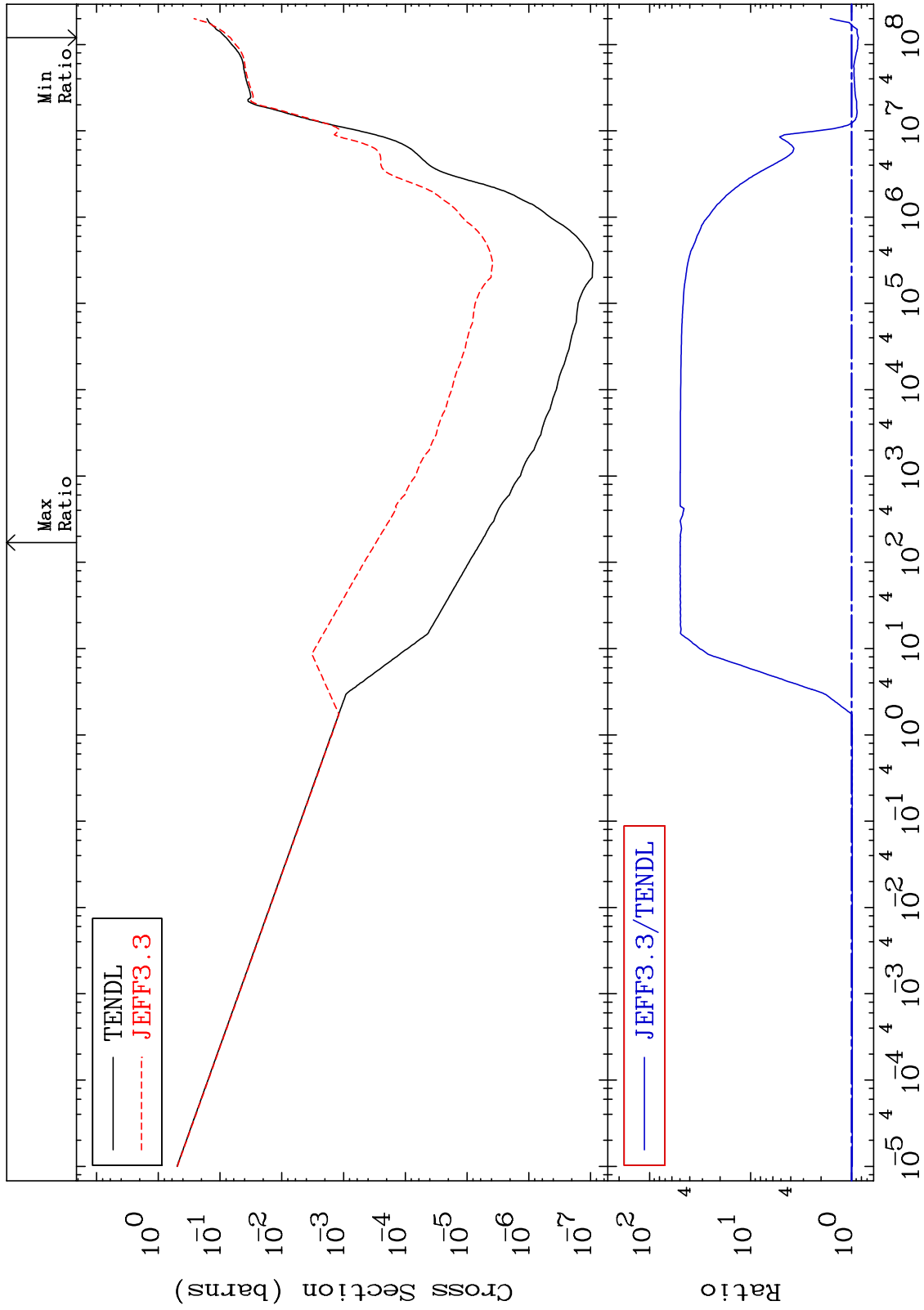
76-0s-184
-24.69 To 1.246 %



MAT 7625

He-4 Production
Cross Section

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



67

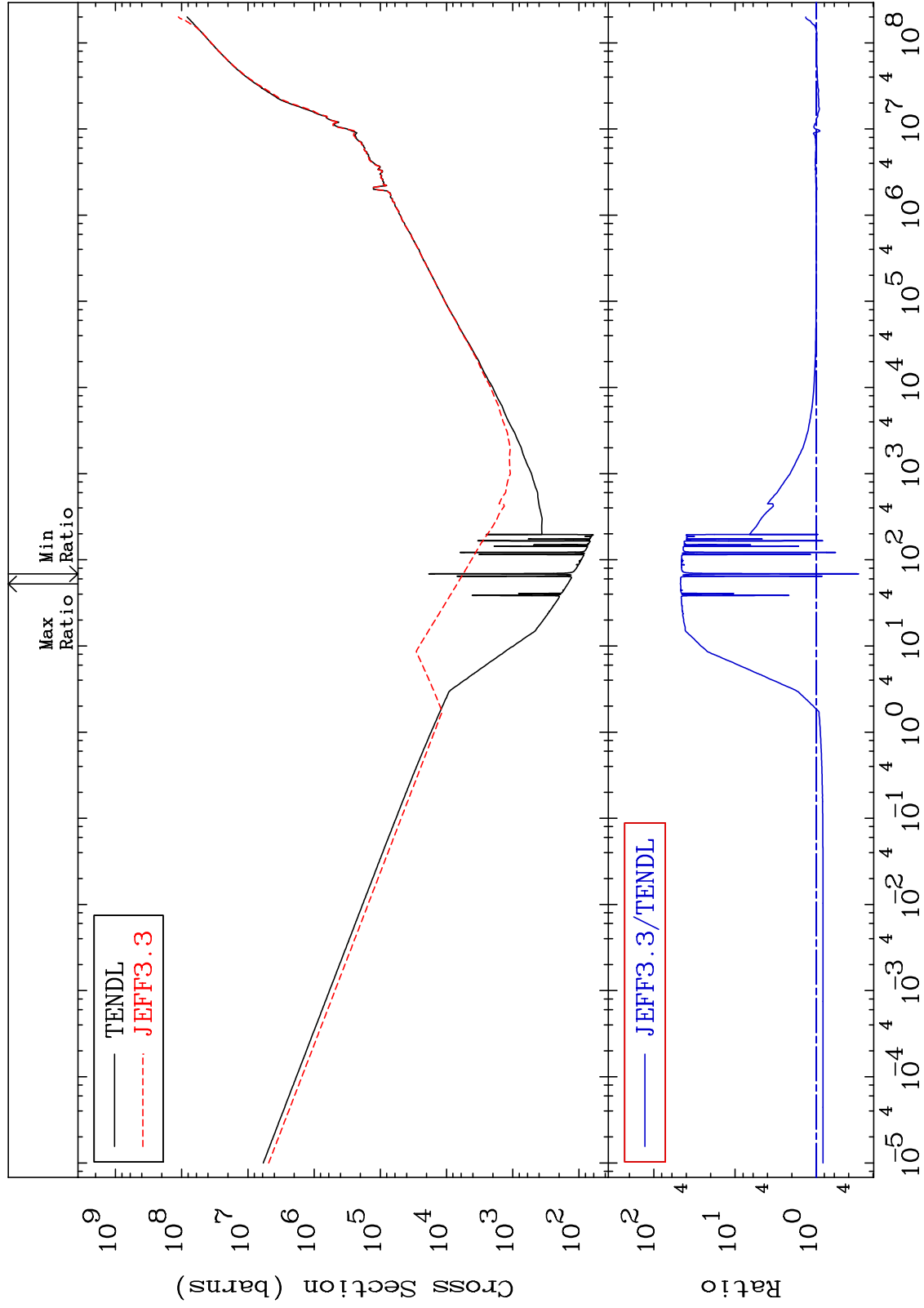
Incident Energy (eV)

76-0s-184

MAT 7625

Kerma total (eV-barns)
Cross Section

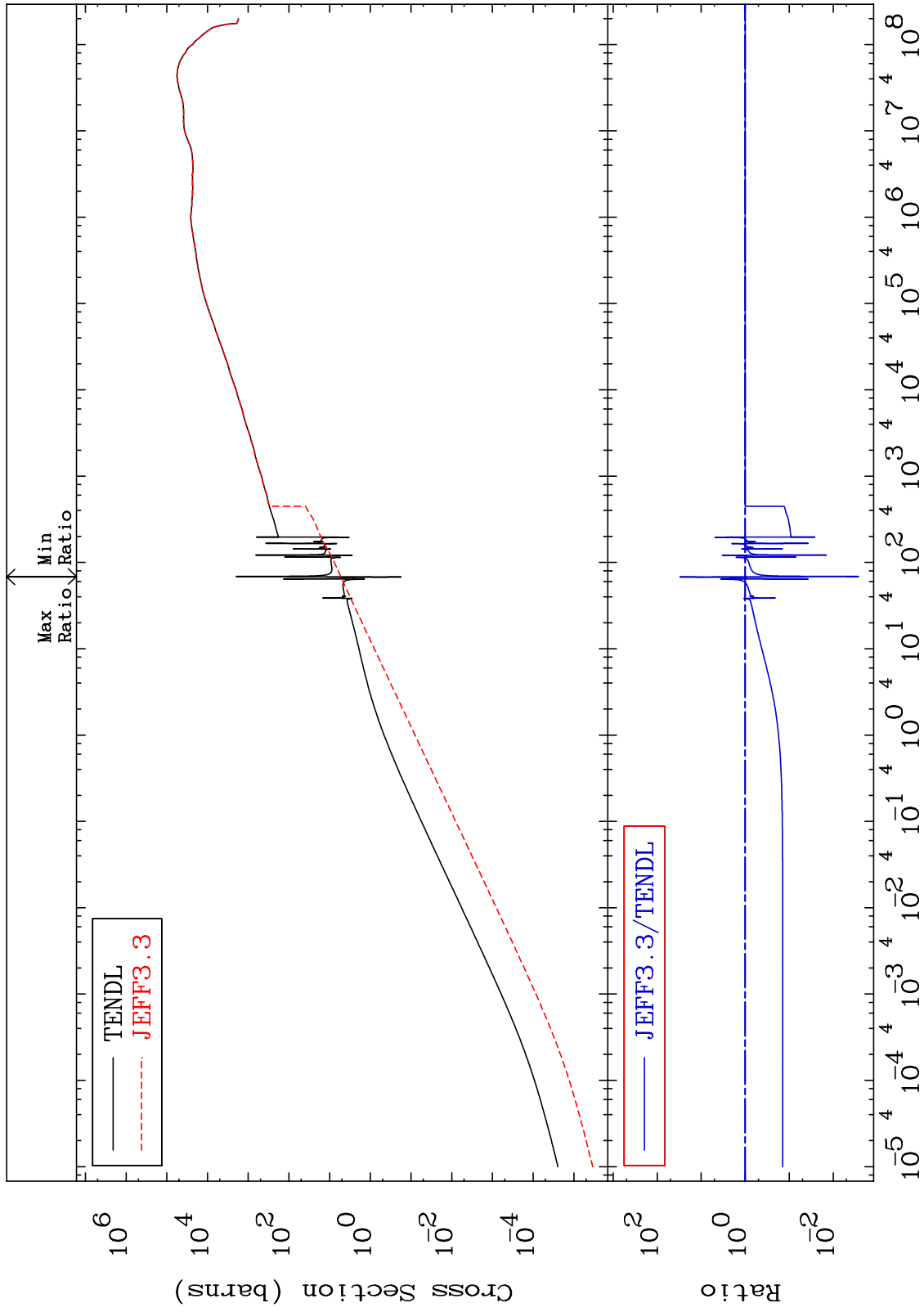
76-0s-184
-69.74 To 4608. %



MAT 7625

Kerma elastic
Cross Section

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



69

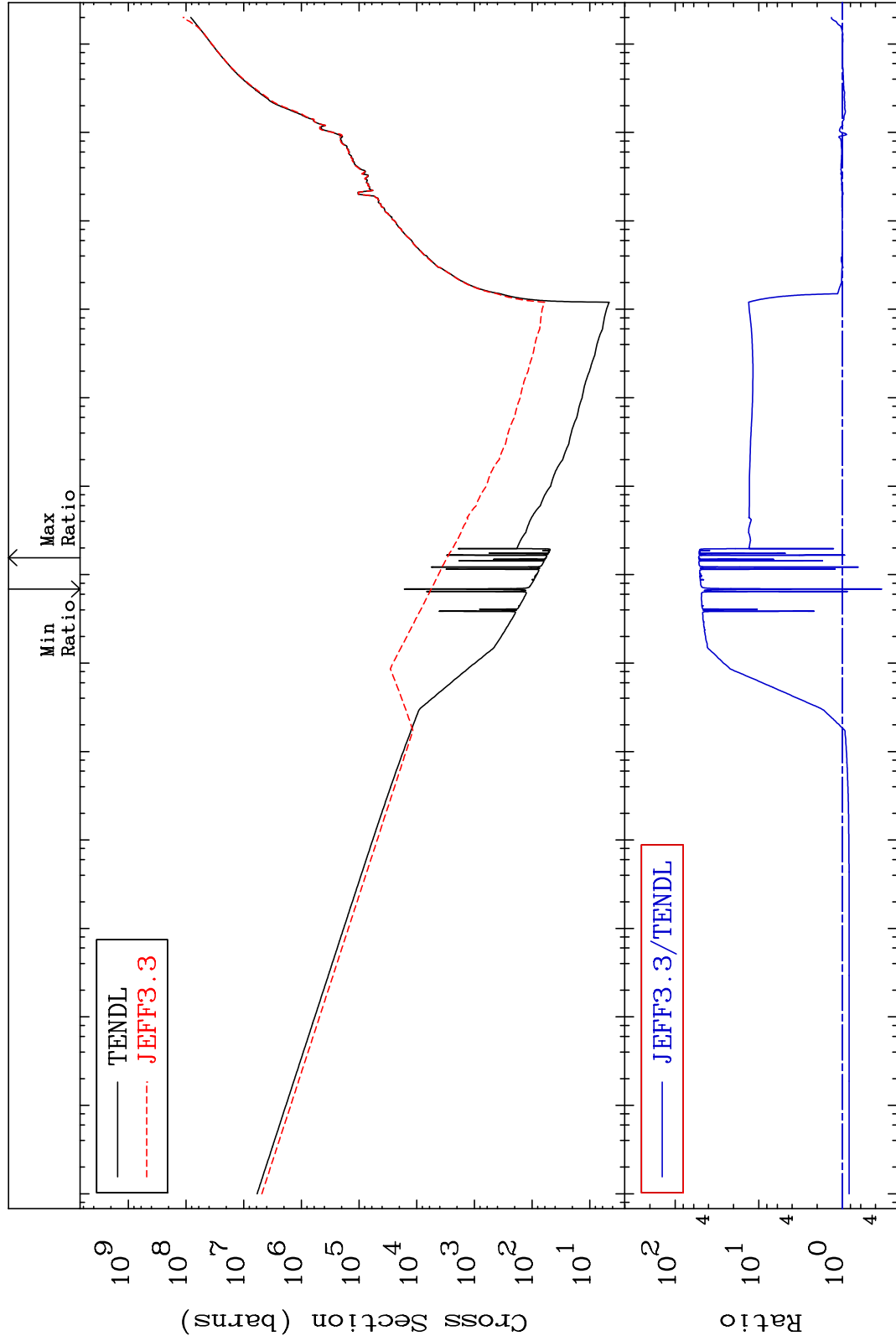
Incident Energy (eV)

76-0s-184

MAT 7625

Kerma non-elastic (all but mt2)
Cross Section

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



70

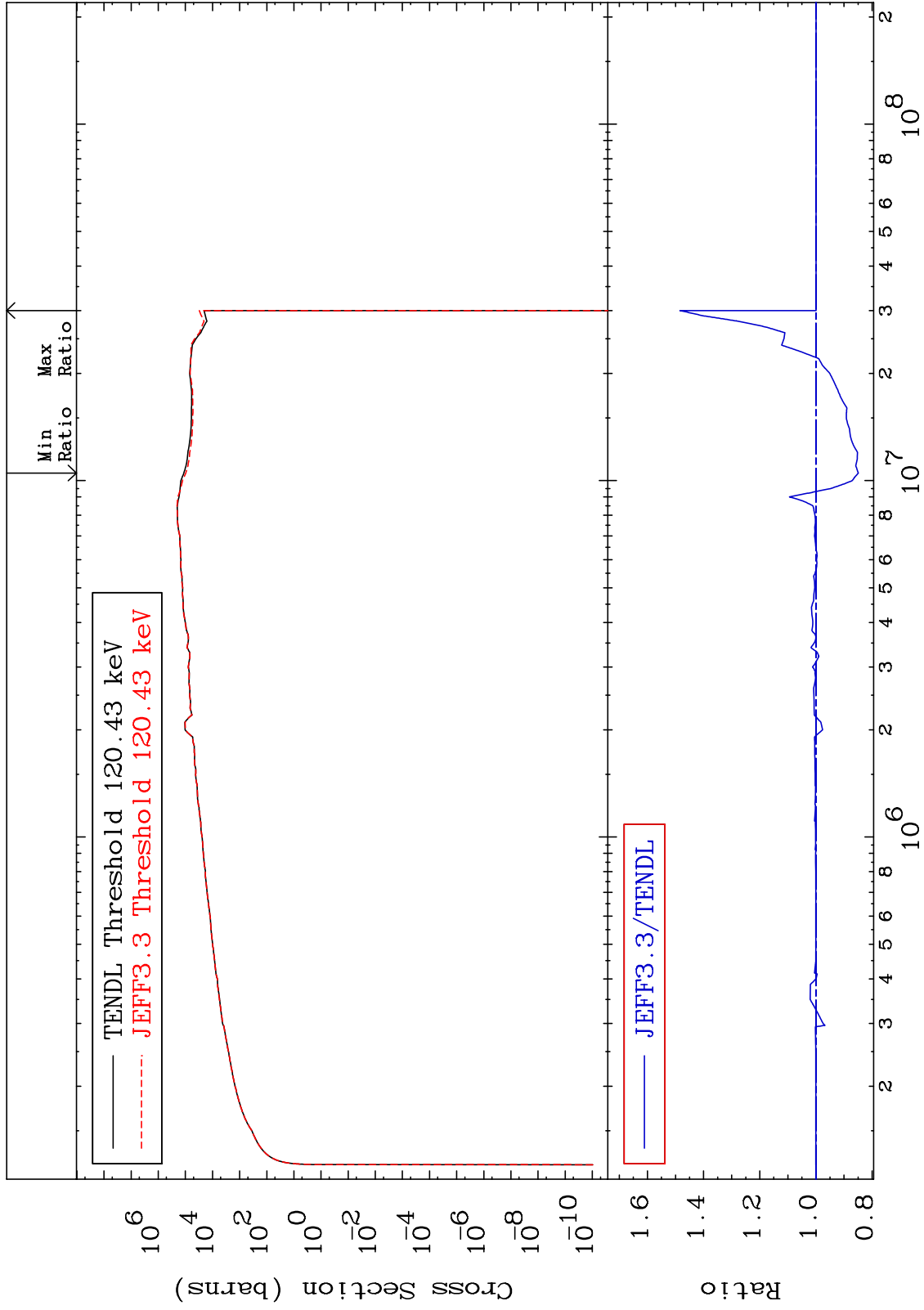
Incident Energy (eV)

76-0s-184

MAT 7625

Kerma inelastic (mt51-91)
Cross Section

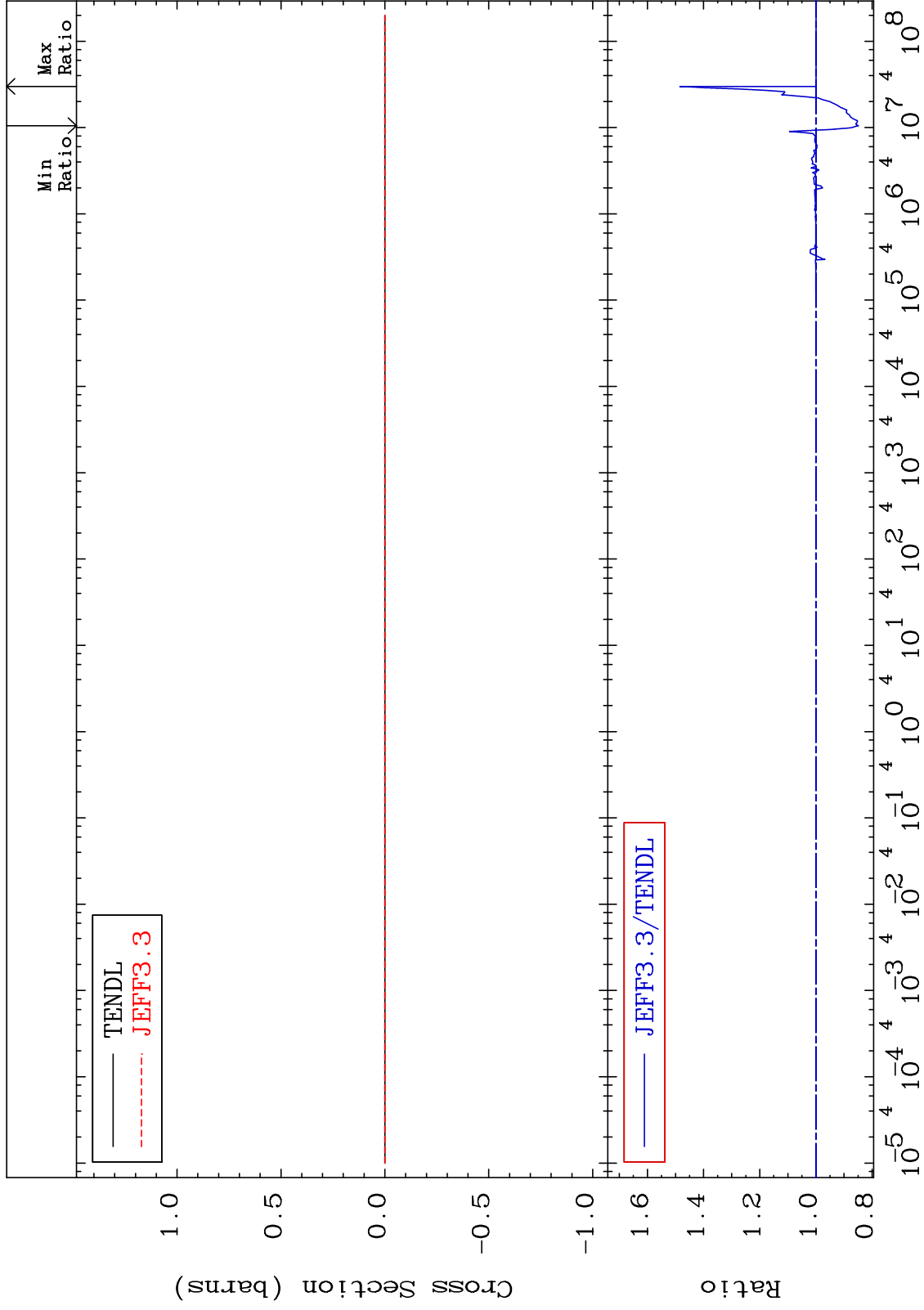
76-Os-184
-15.12 To 48.38 %



MAT 7625

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

76-0s-184
-15.12 To 48.38 %



72

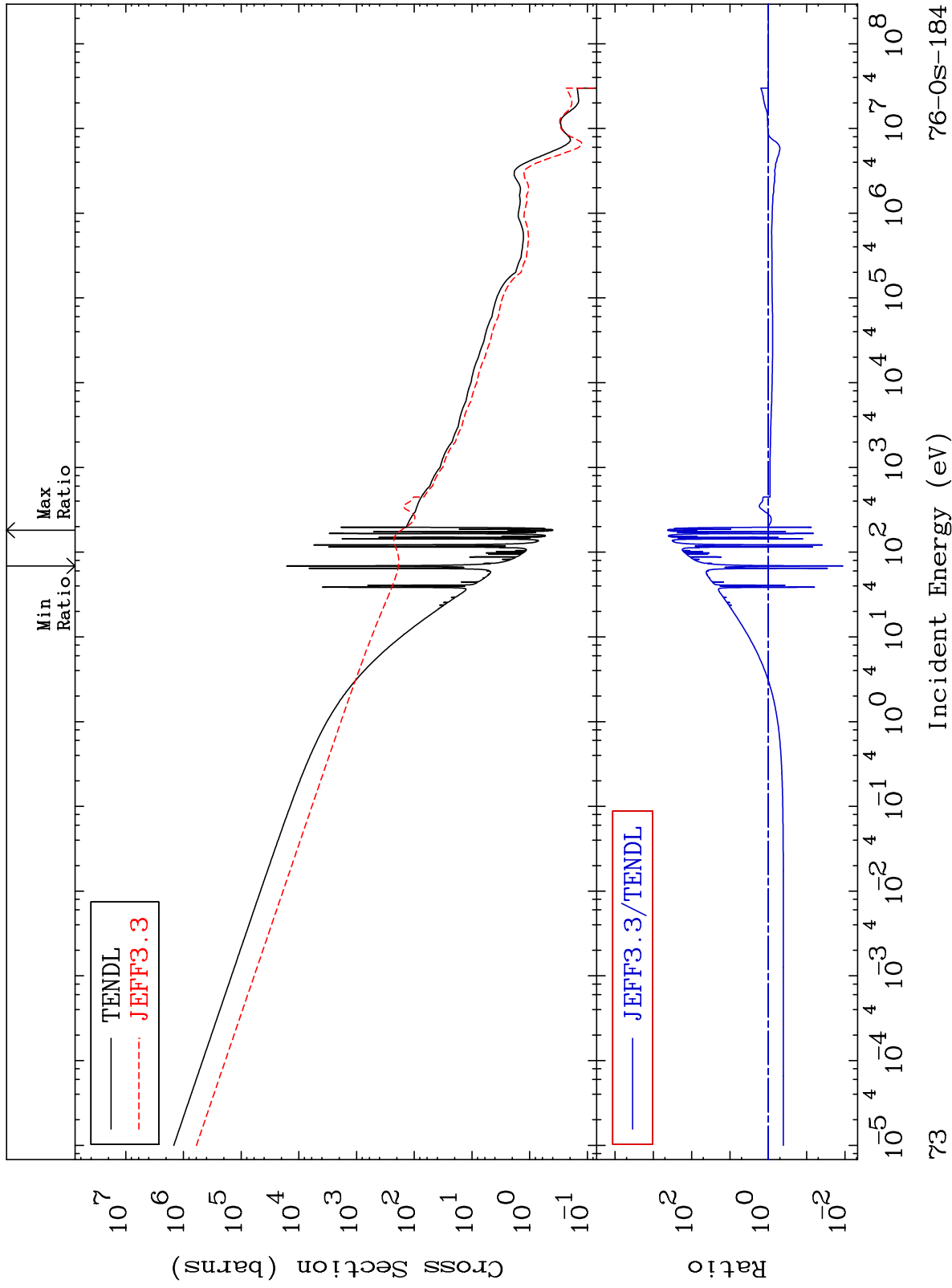
Incident Energy (eV)

76-0s-184

MAT 7625

Kerma capture (mt102)
Cross Section

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



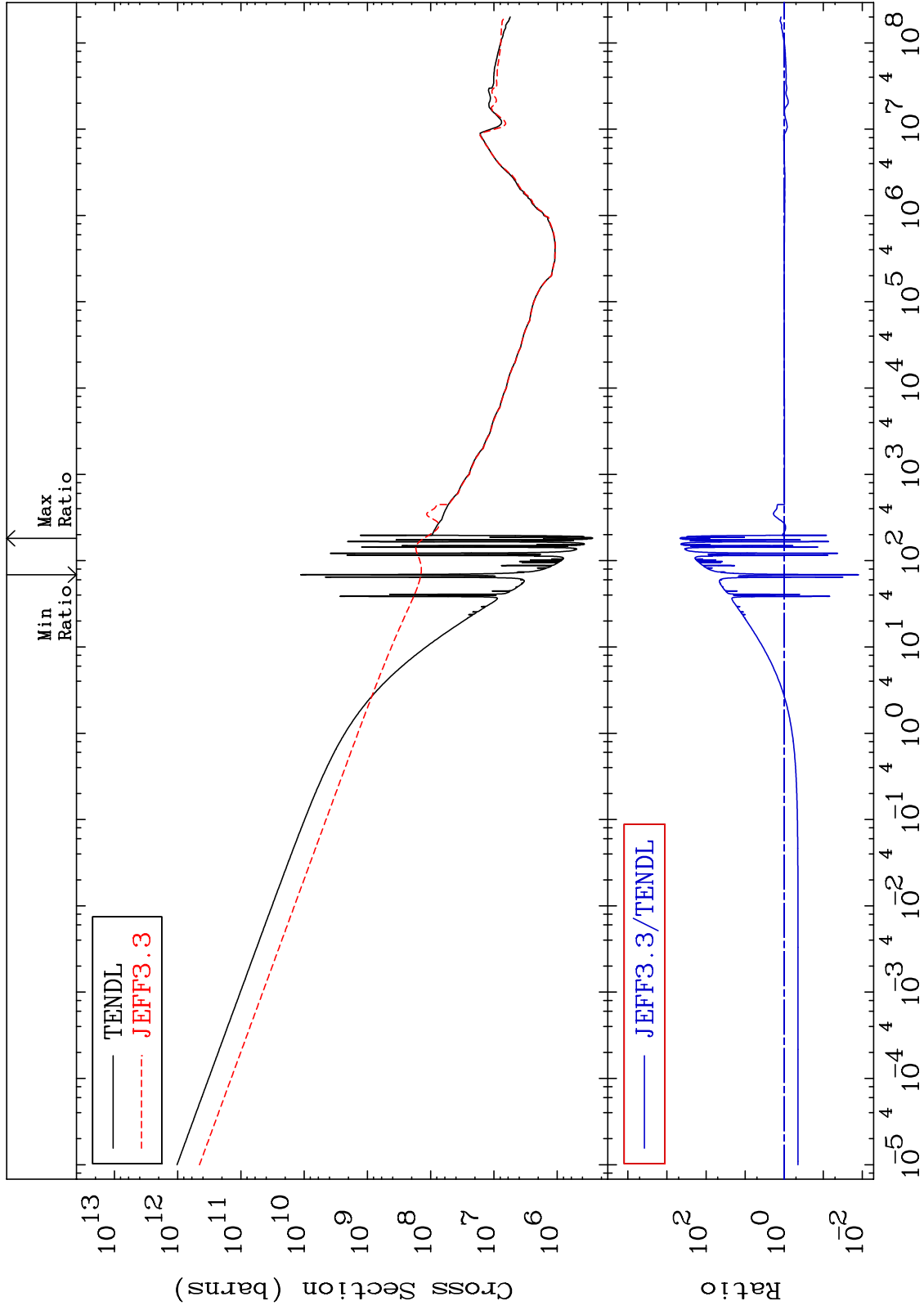
73

76-0s-184

MAT 7625

Total photon (eV-barns)
Cross Section

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



74

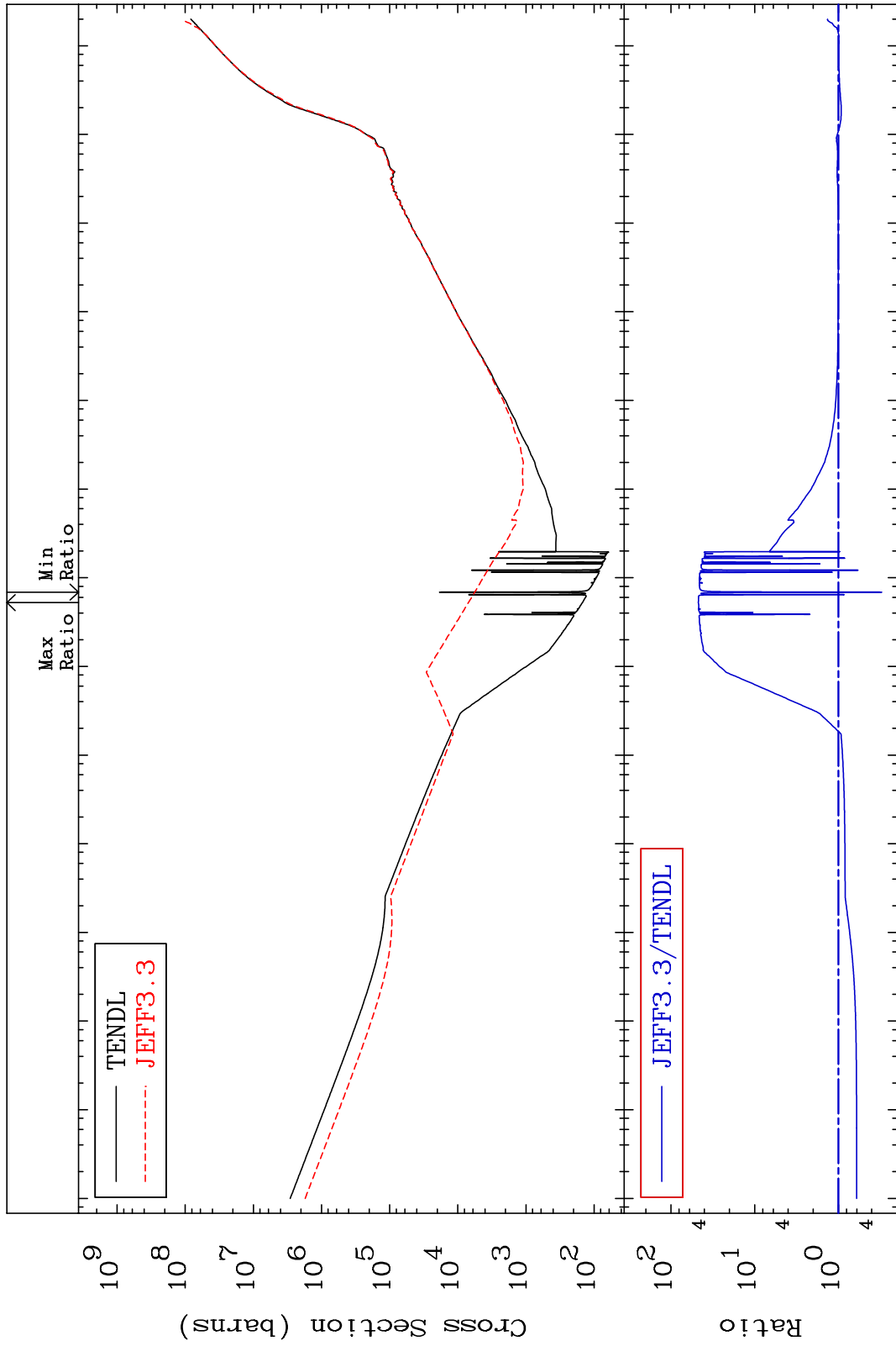
Incident Energy (eV)

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

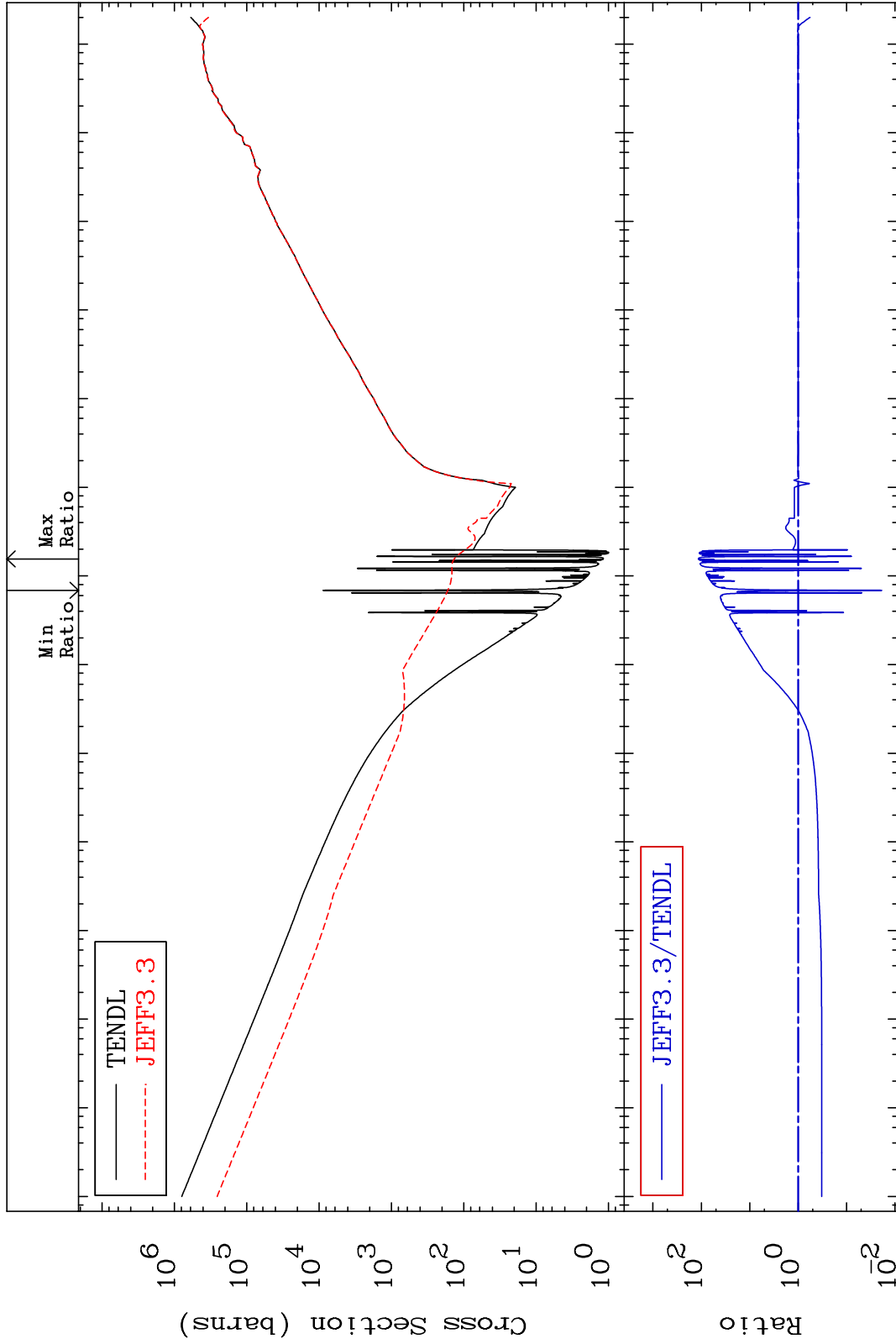
MAT 7625

Dpa total (eV-barns)

76-0s-184

-98.11 To 9999. %

Cross Section



76

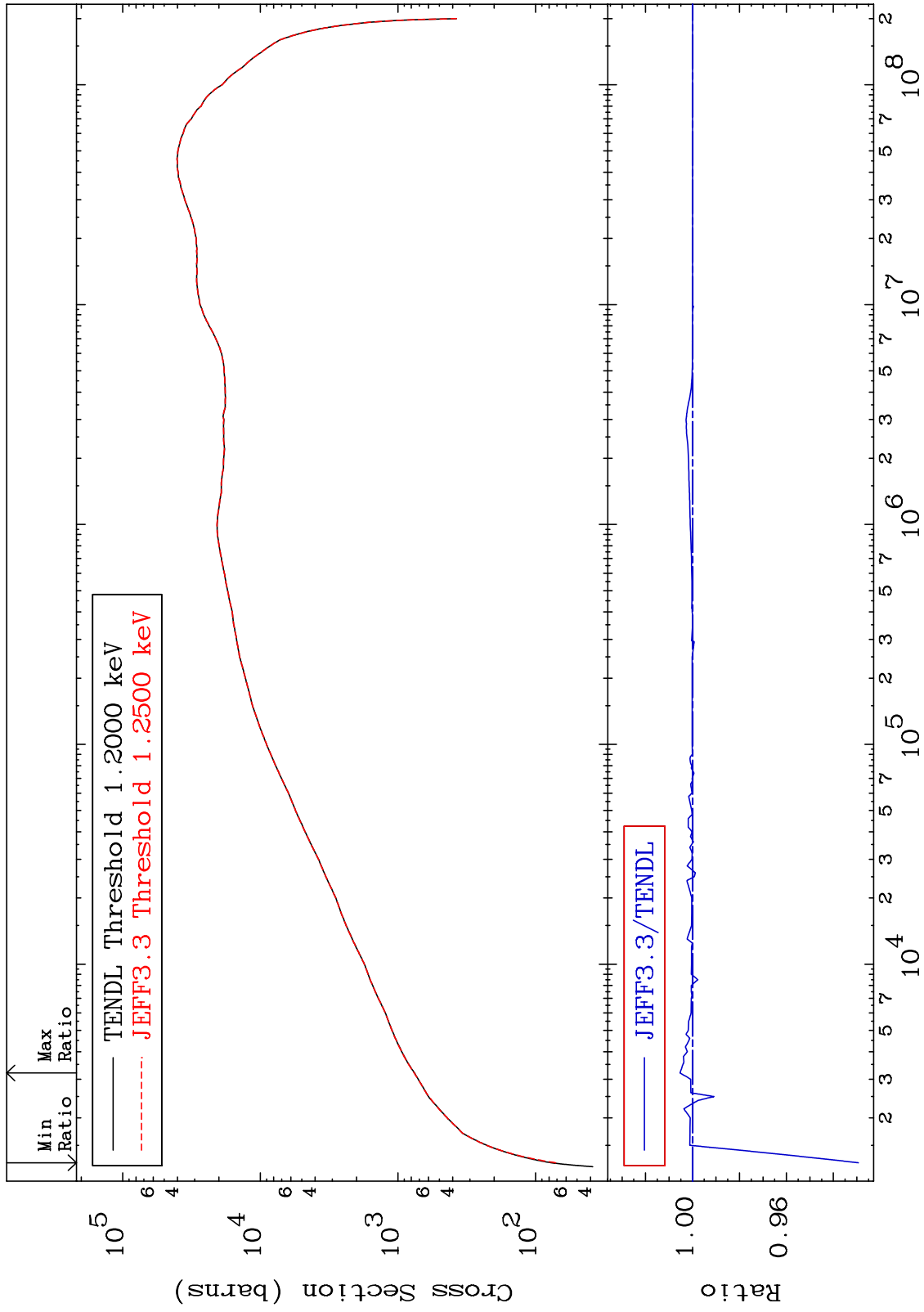
Incident Energy (eV)

76-0s-184

MAT 7625

Dpa elastic (mt2)
Cross Section

76-0s-184
-7.066 To 0.532 %



77

Incident Energy (eV)

76-0s-184

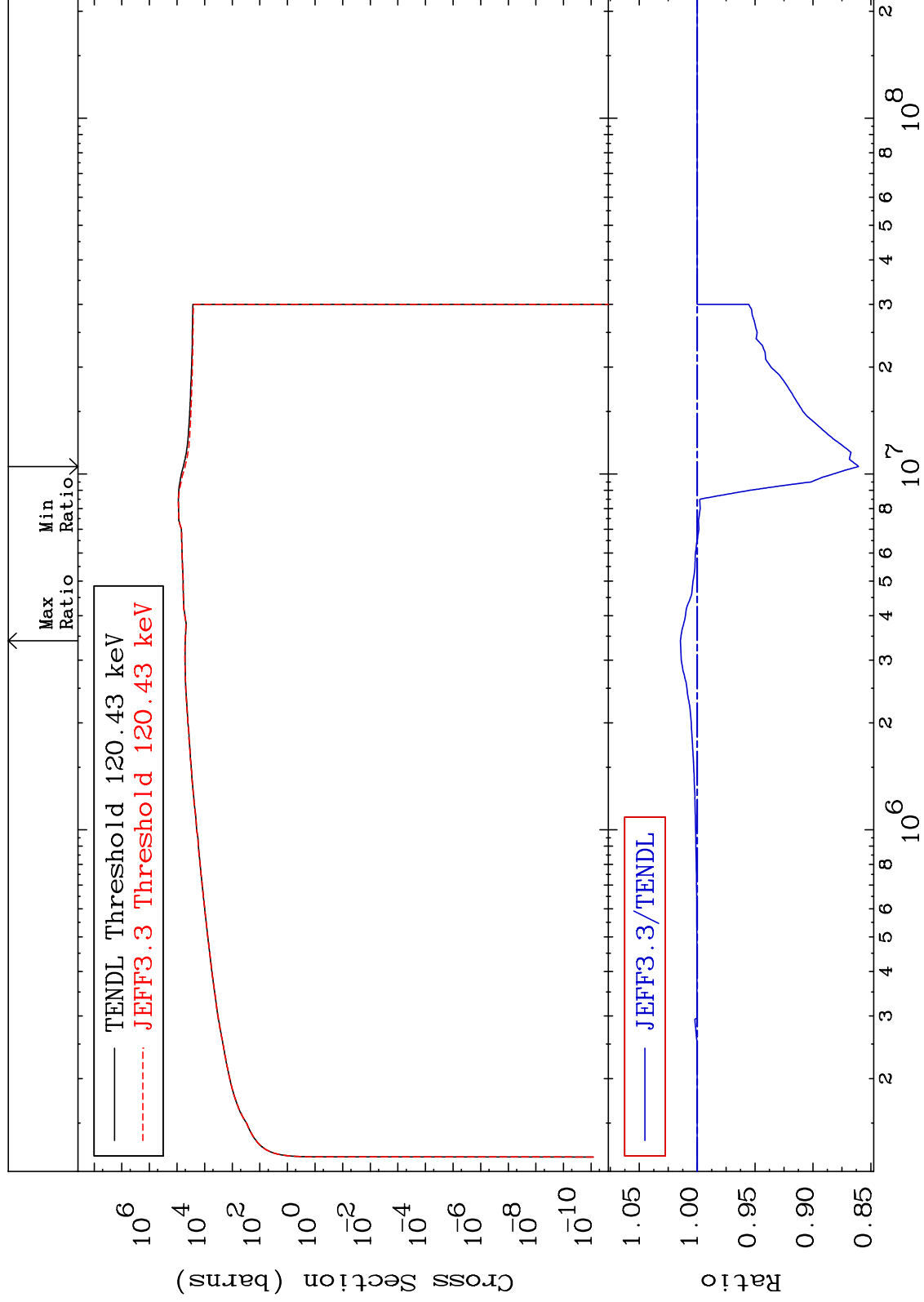
MAT 7625

Dpa inelastic (mt51-91)

76-Os-184

-13.94 To 1.443 %

Cross Section



78

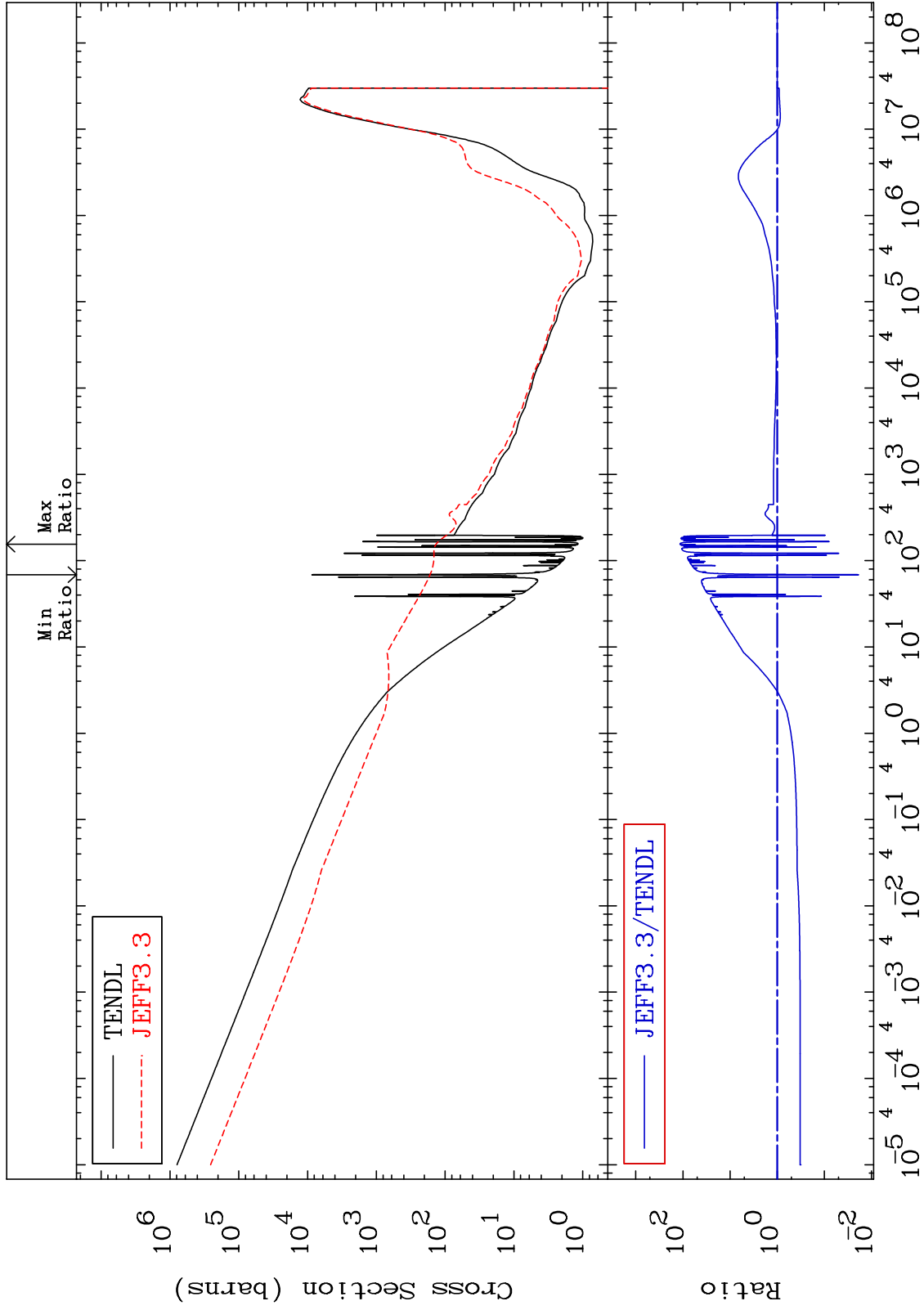
Incident Energy (eV)

76-Os-184

MAT 7625

Dpa disappearance (mt102 -120)
Cross Section

76-0s-184
-98.11 To 9999. %



79

Incident Energy (eV)

76-0s-184

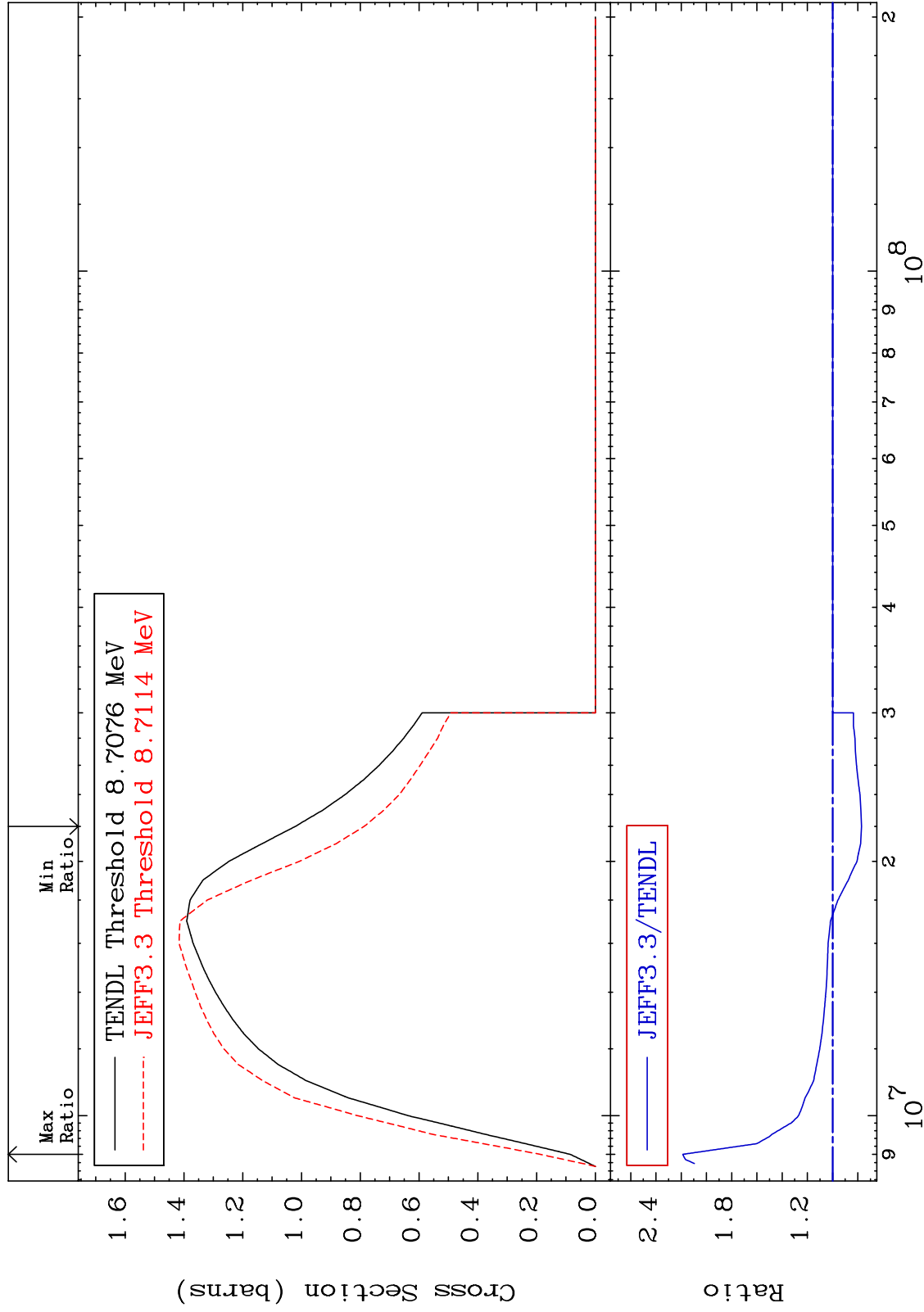
MAT 7625

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

76-Os-184

Radionuclide Production Cross Section

-22.96 To 118.7 %



80

Incident Energy (eV)

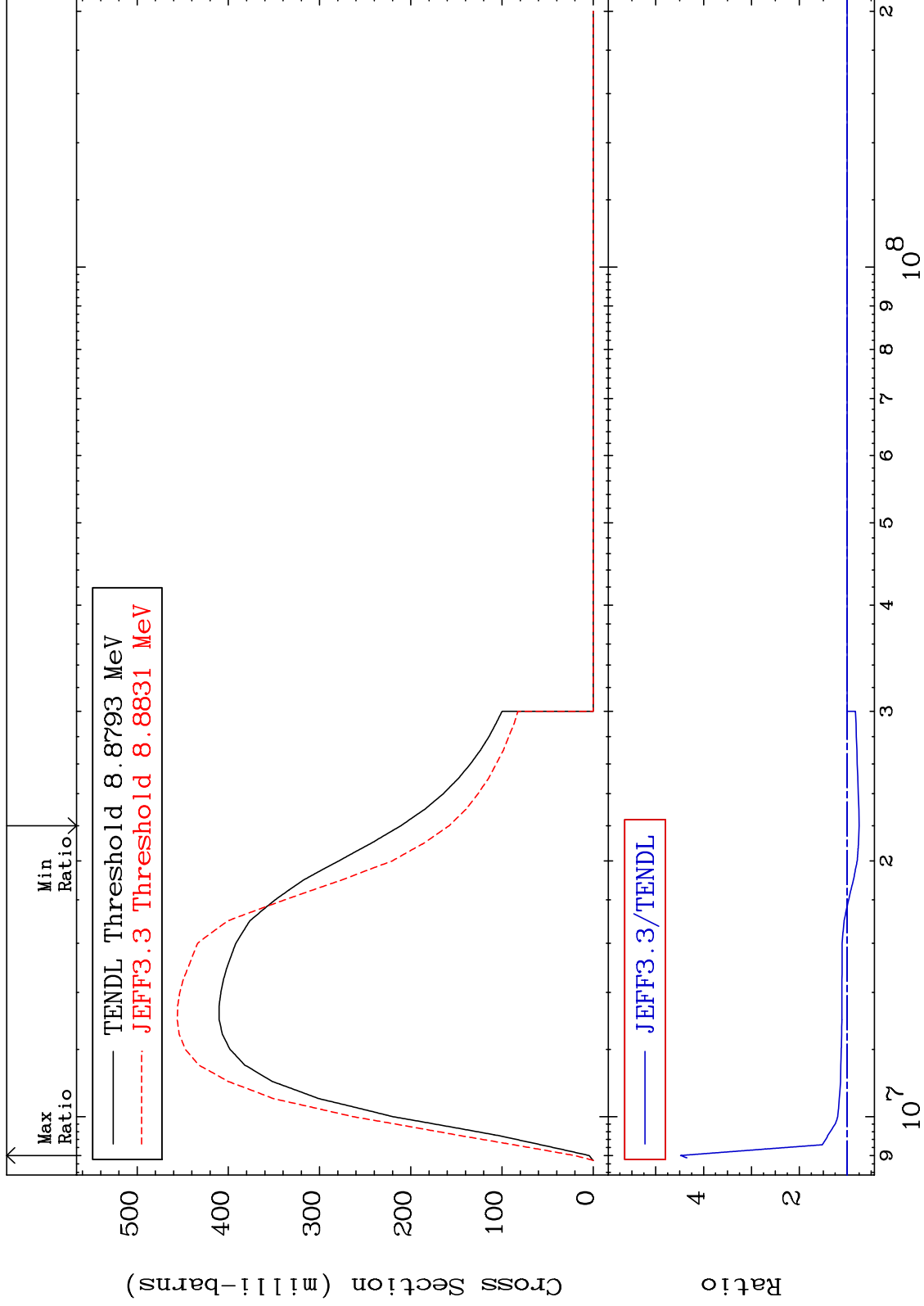
76-Os-184

MAT 7625

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

76-Os-184

Radionuclide Production Cross Section -25.07 To 348.0 %



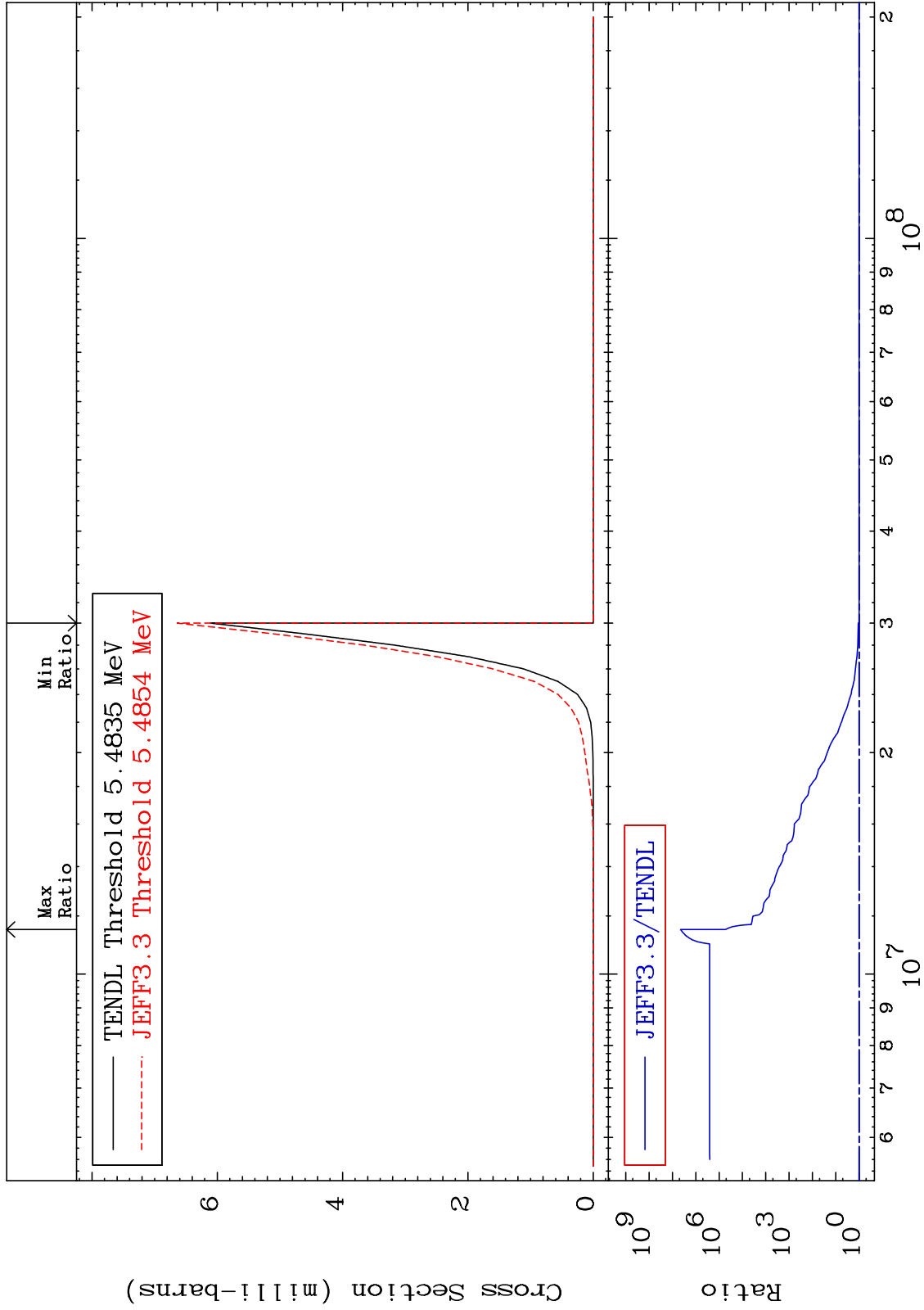
81

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. %

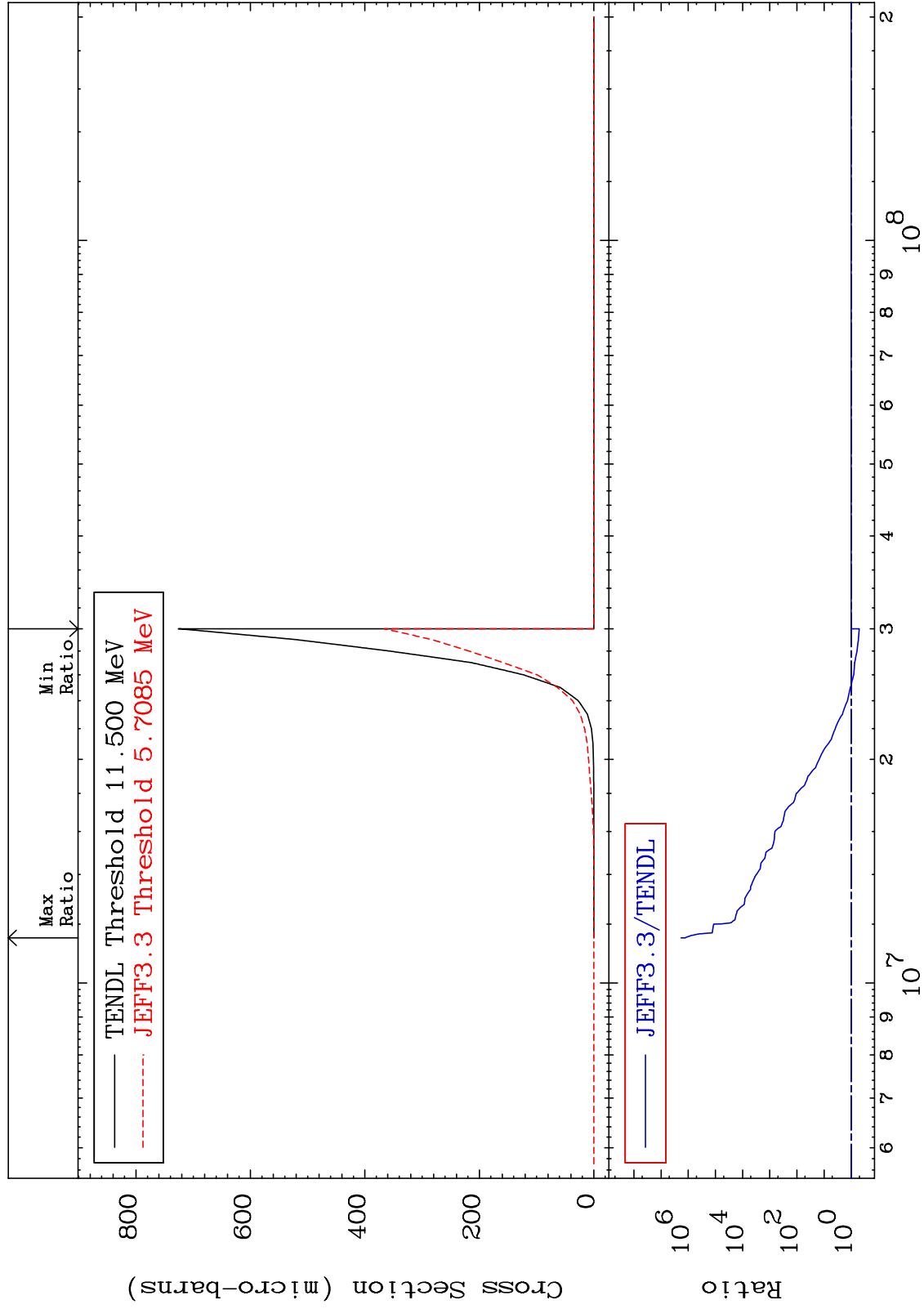


MAT 7625

(n,2n) α :74-W -179m2

76-0s-184

Radionuclide Production Cross Section -49.58 To 9999. %

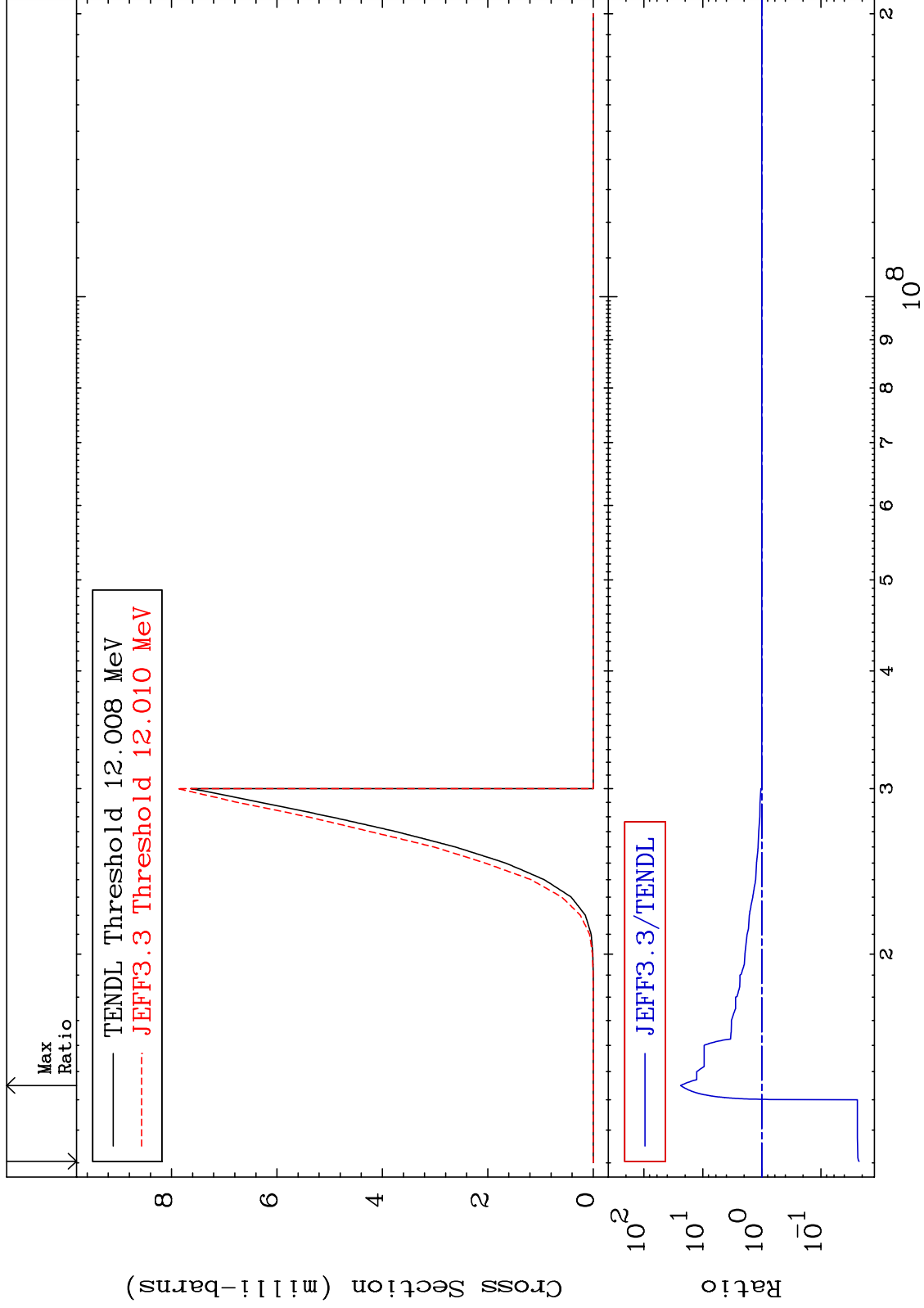


MAT 7625

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

76-0s-184

Radionuclide Production Cross Section -97.76 To 2278. %



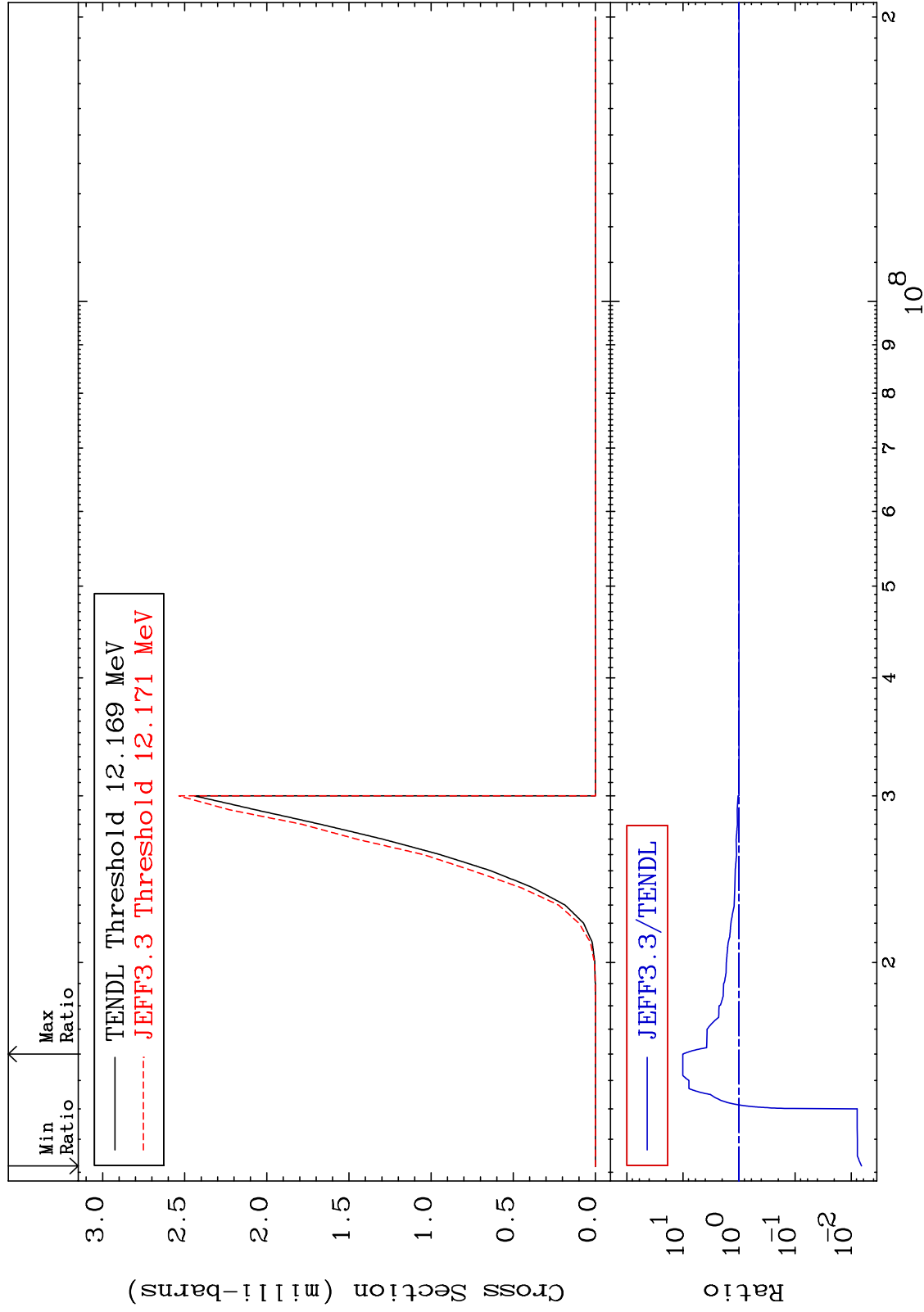
MAT 7625

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

76-0s-184

Radionuclide Production Cross Section

-99.35 To 903.9 %

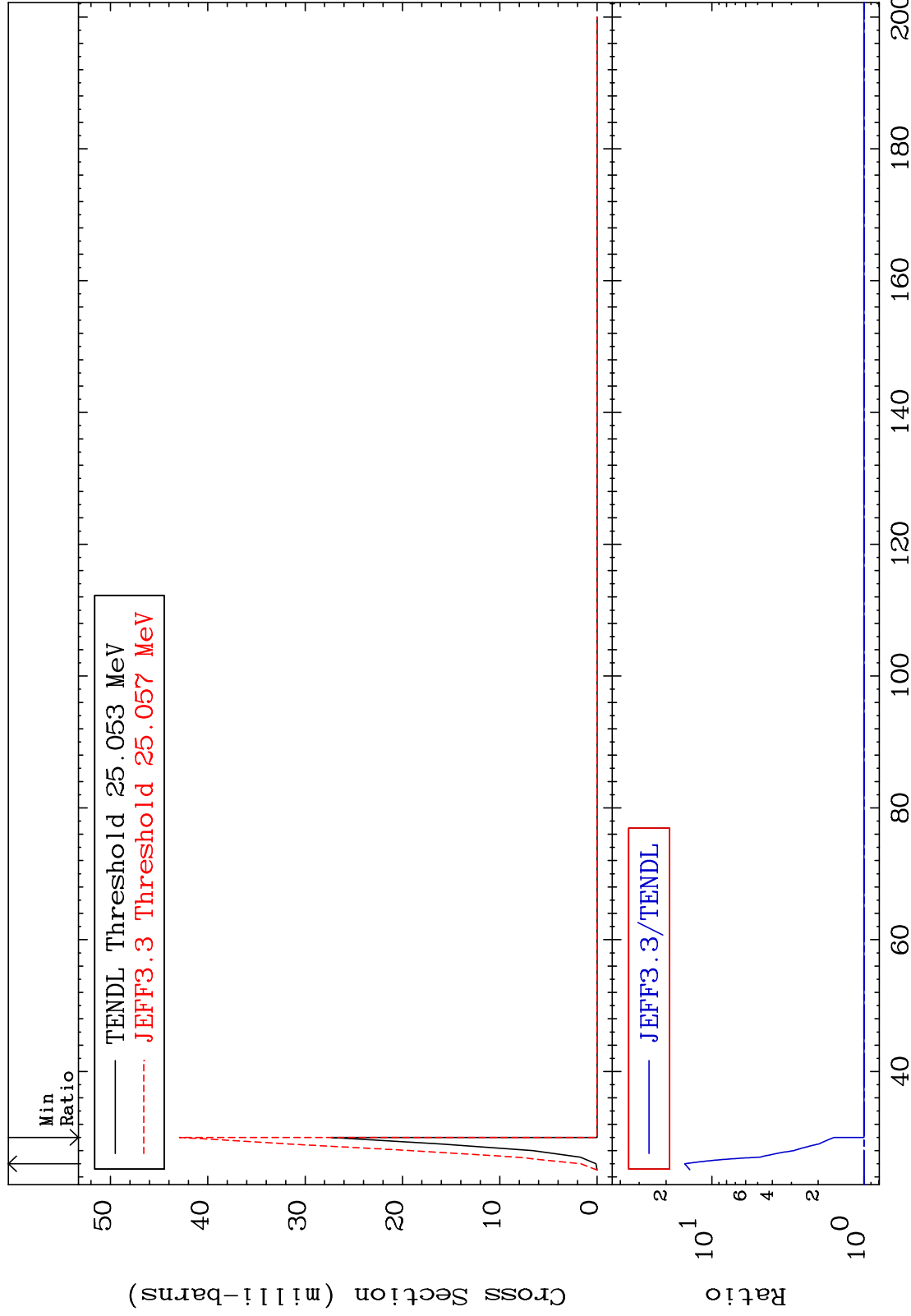


MAT 7625

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

76-Os-184

Radionuclide Production Cross Section 0.000 To 1406. %

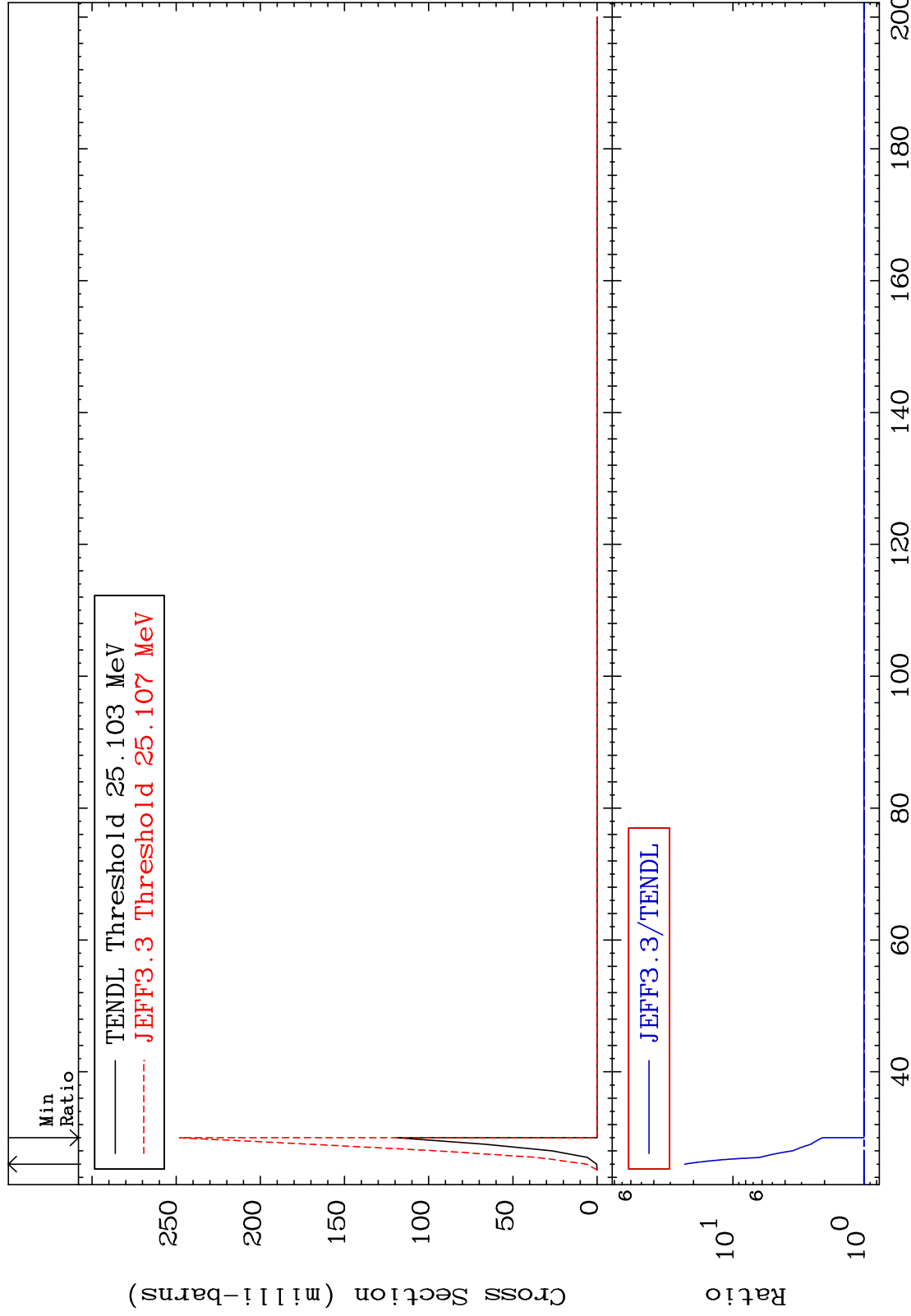


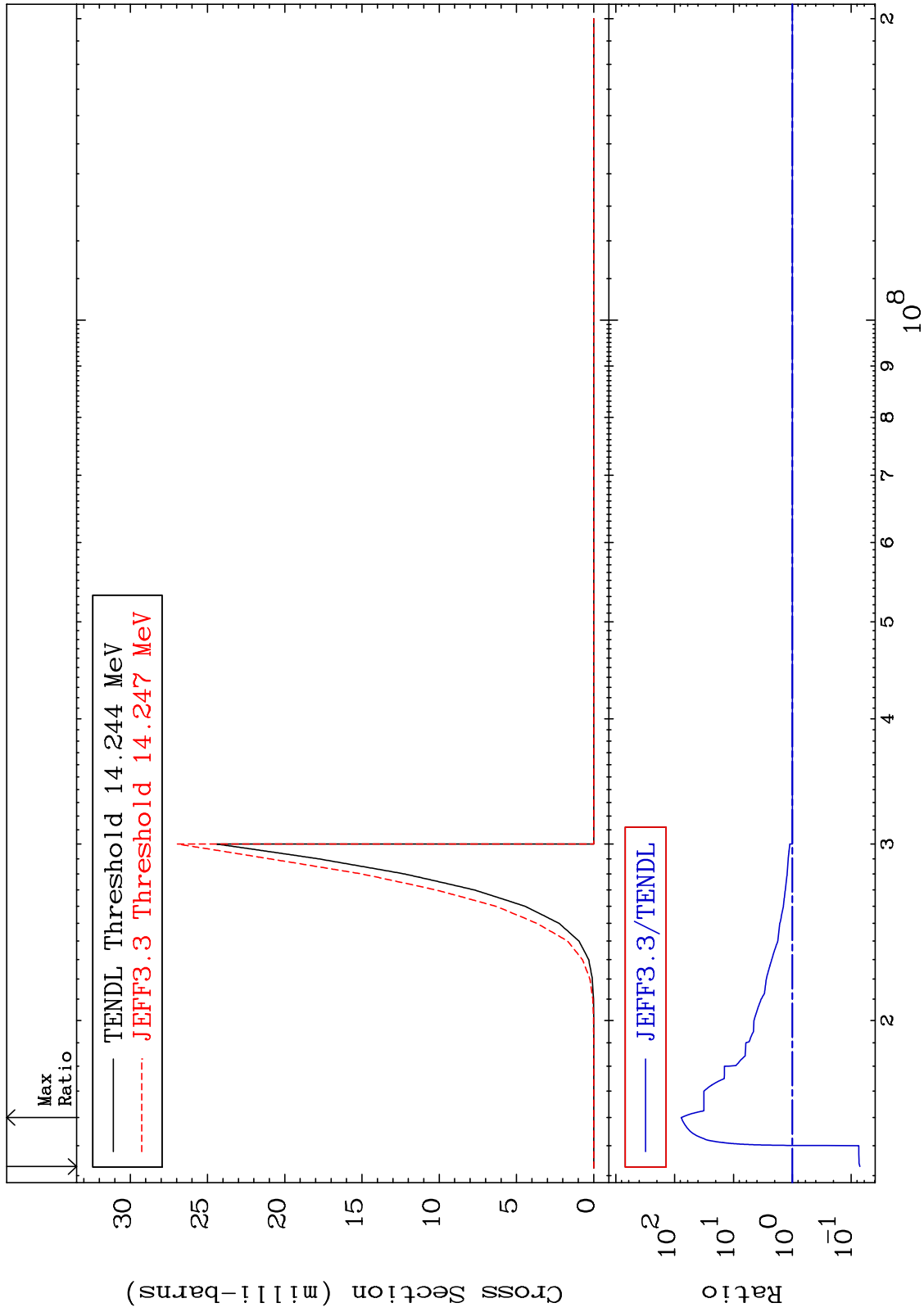
MAT 7625

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

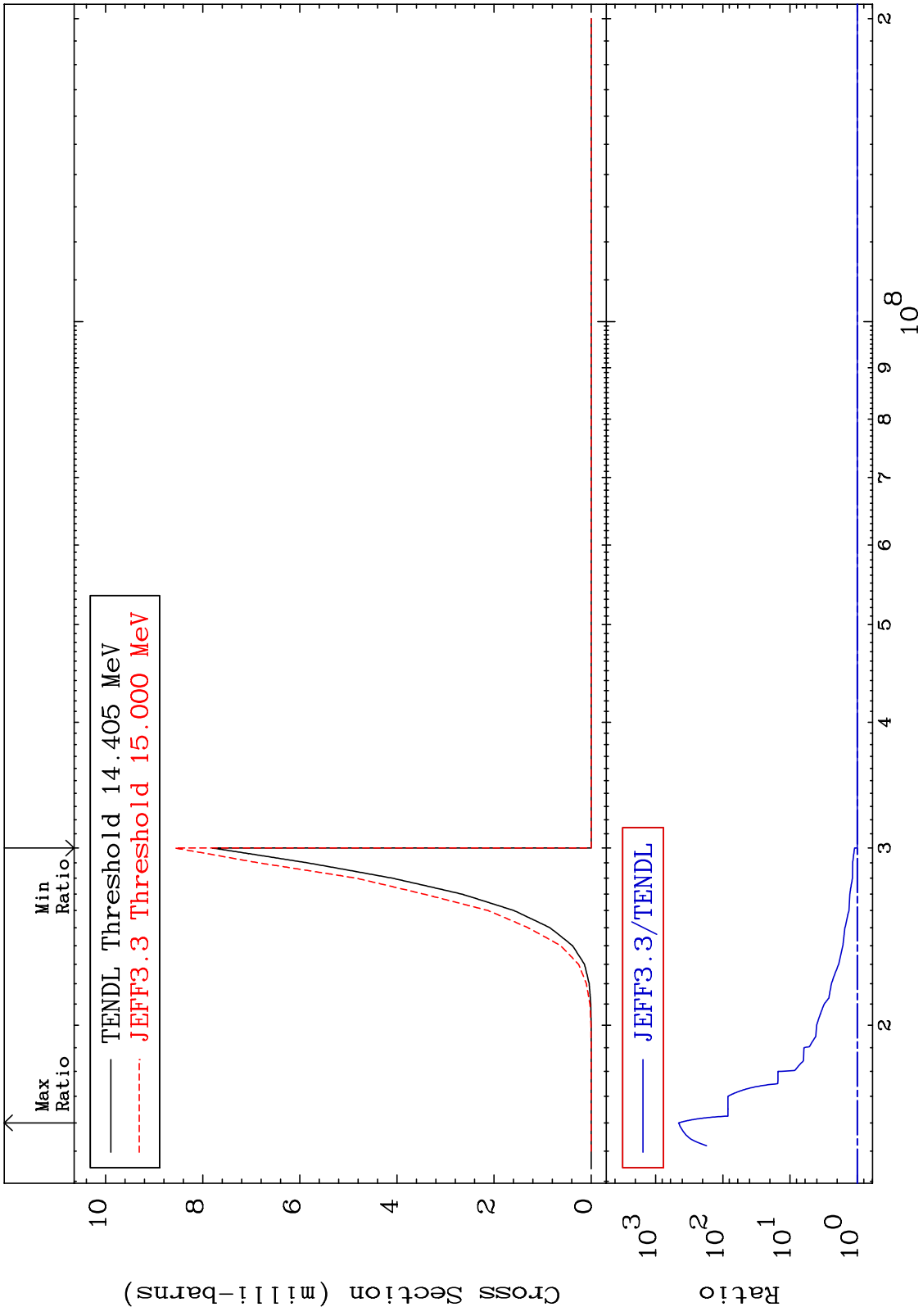
76-Os-184

Radionuclide Production Cross Section 0.000 To 2227. %





Radionuclide Production Cross Section 0.000 To 9999. %

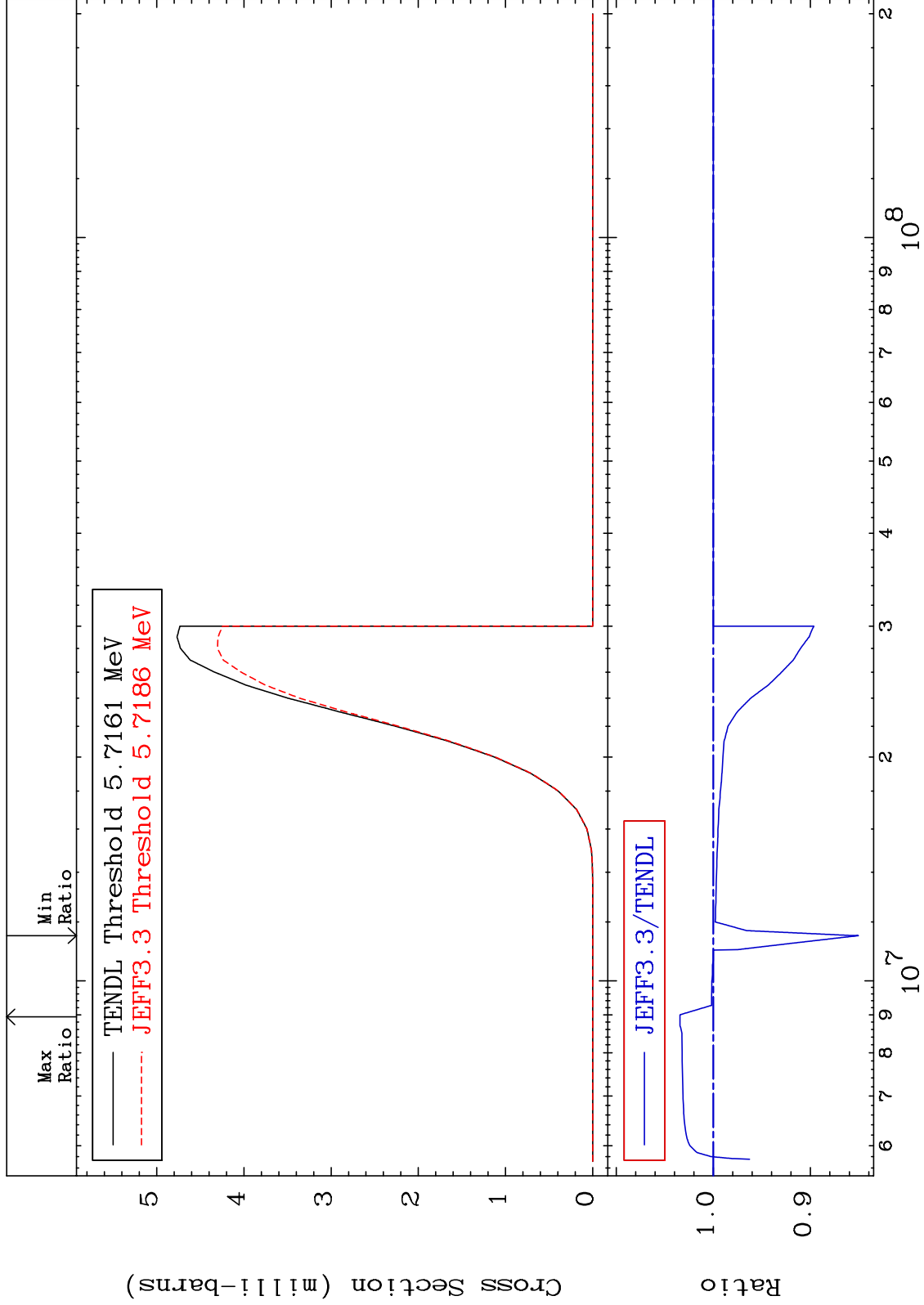


MAT 7625

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

76-0s-184

Radionuclide Production Cross Section -14.93 To 3.427 %



90

Incident Energy (eV)

76-0s-184

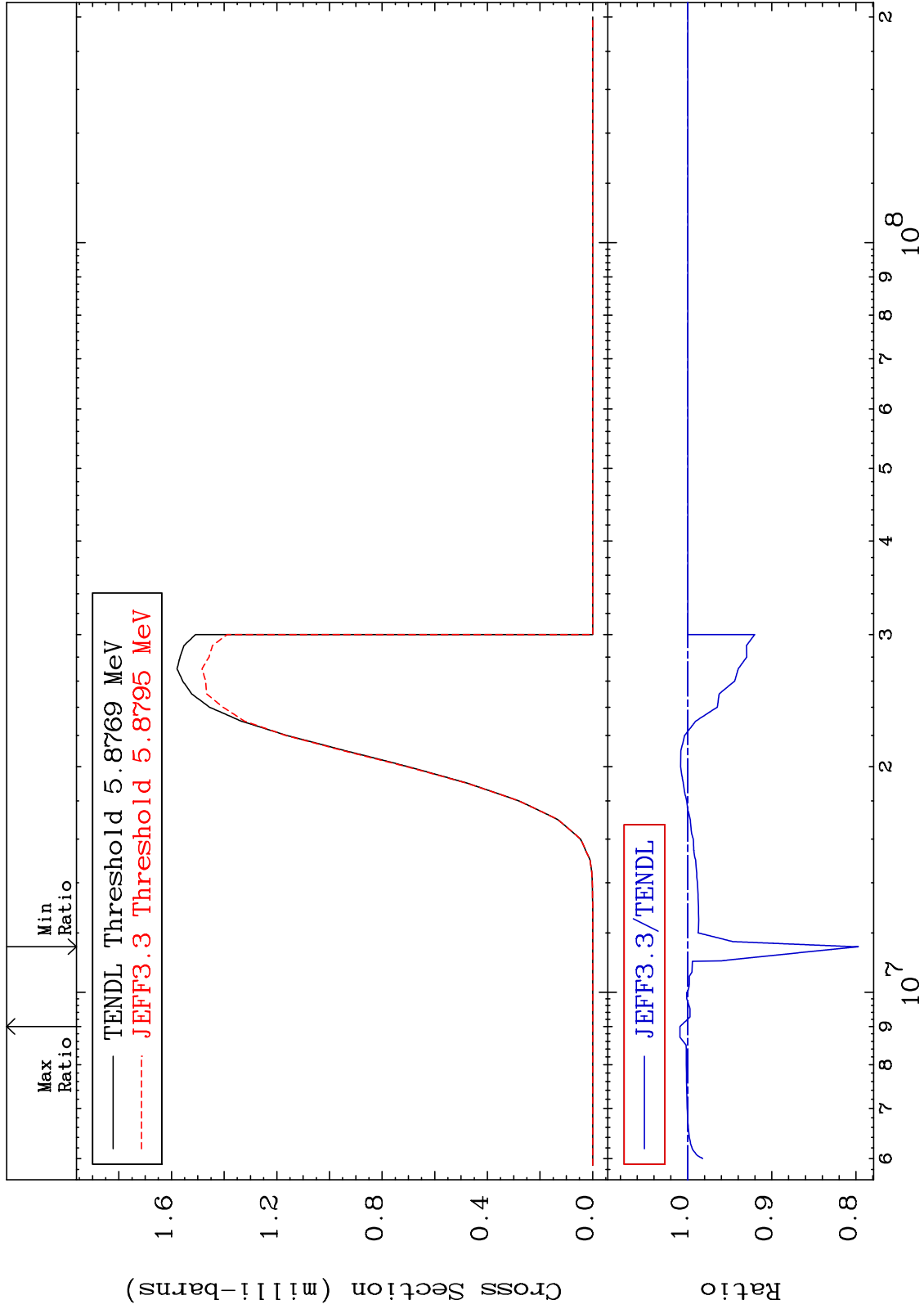
MAT 7625

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

76-0s-184

Radionuclide Production Cross Section

-20.29 To 0.915 %

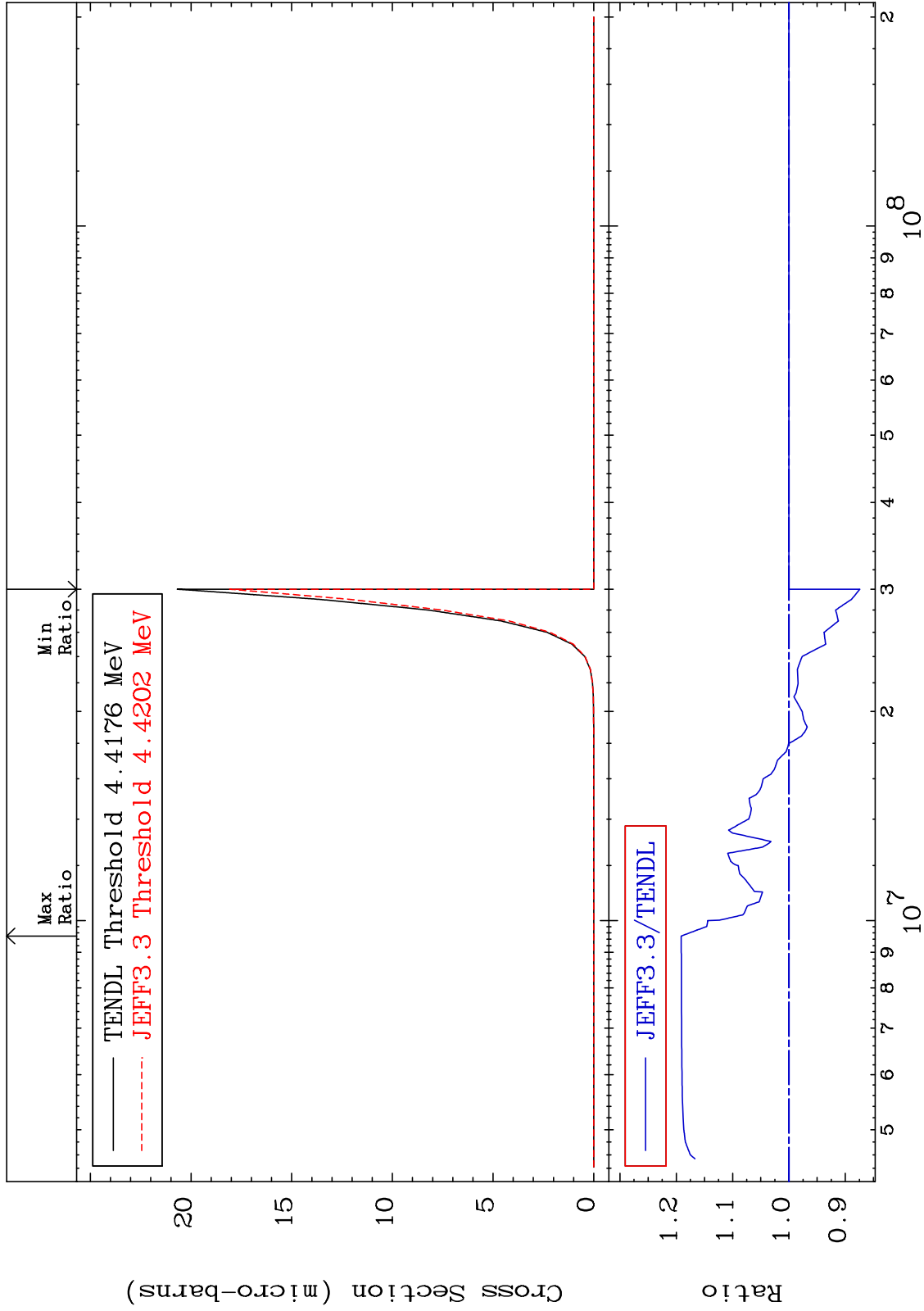


MAT 7625

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

76-0s-184

Radionuclide Production Cross Section -12.59 To 19.12 %



92

Incident Energy (eV)

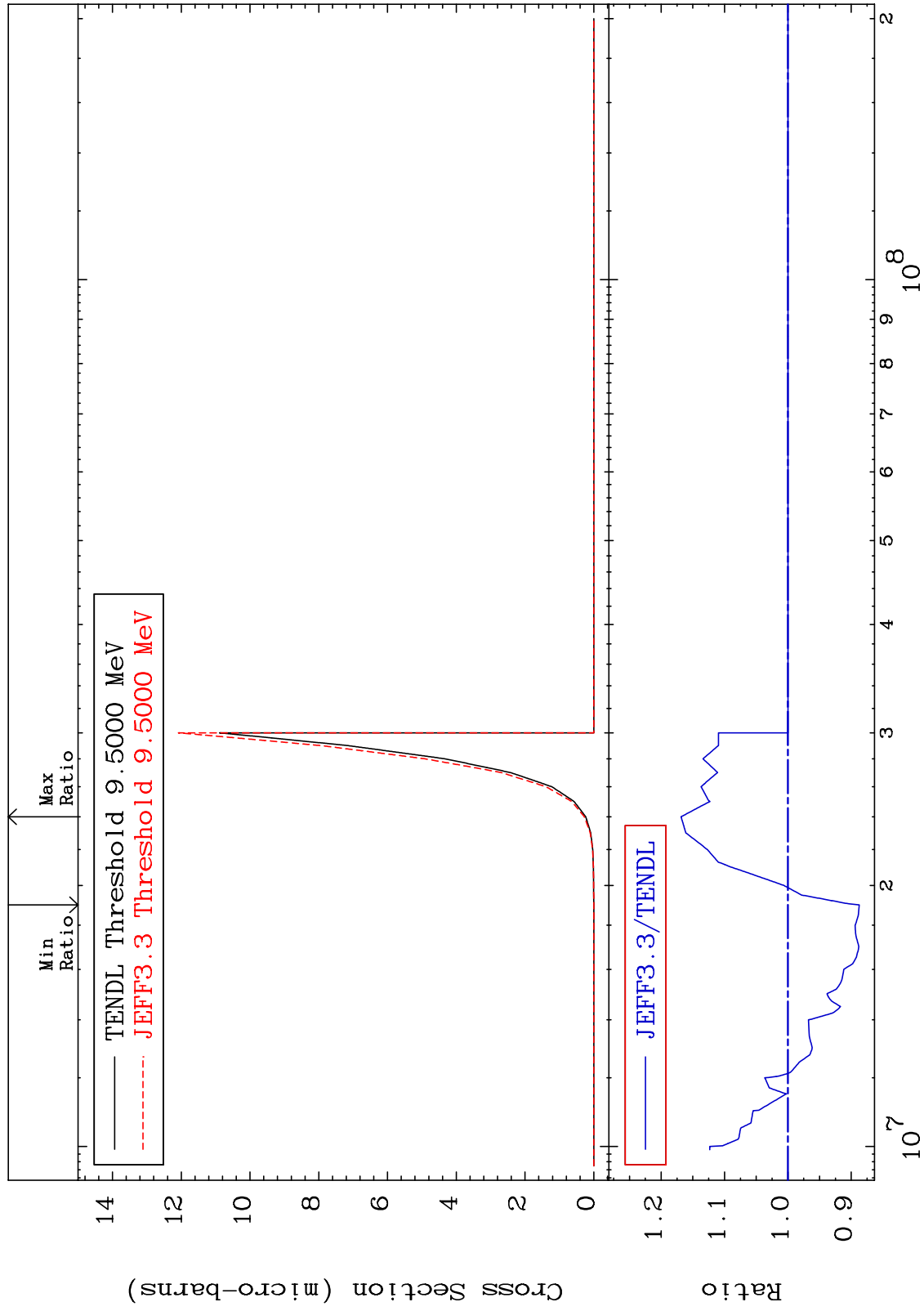
76-0s-184

MAT 7625

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

76-0s-184

Radionuclide Production Cross Section -11.26 To 16.86 %



76-0s-184

Incident Energy (eV)

93