

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

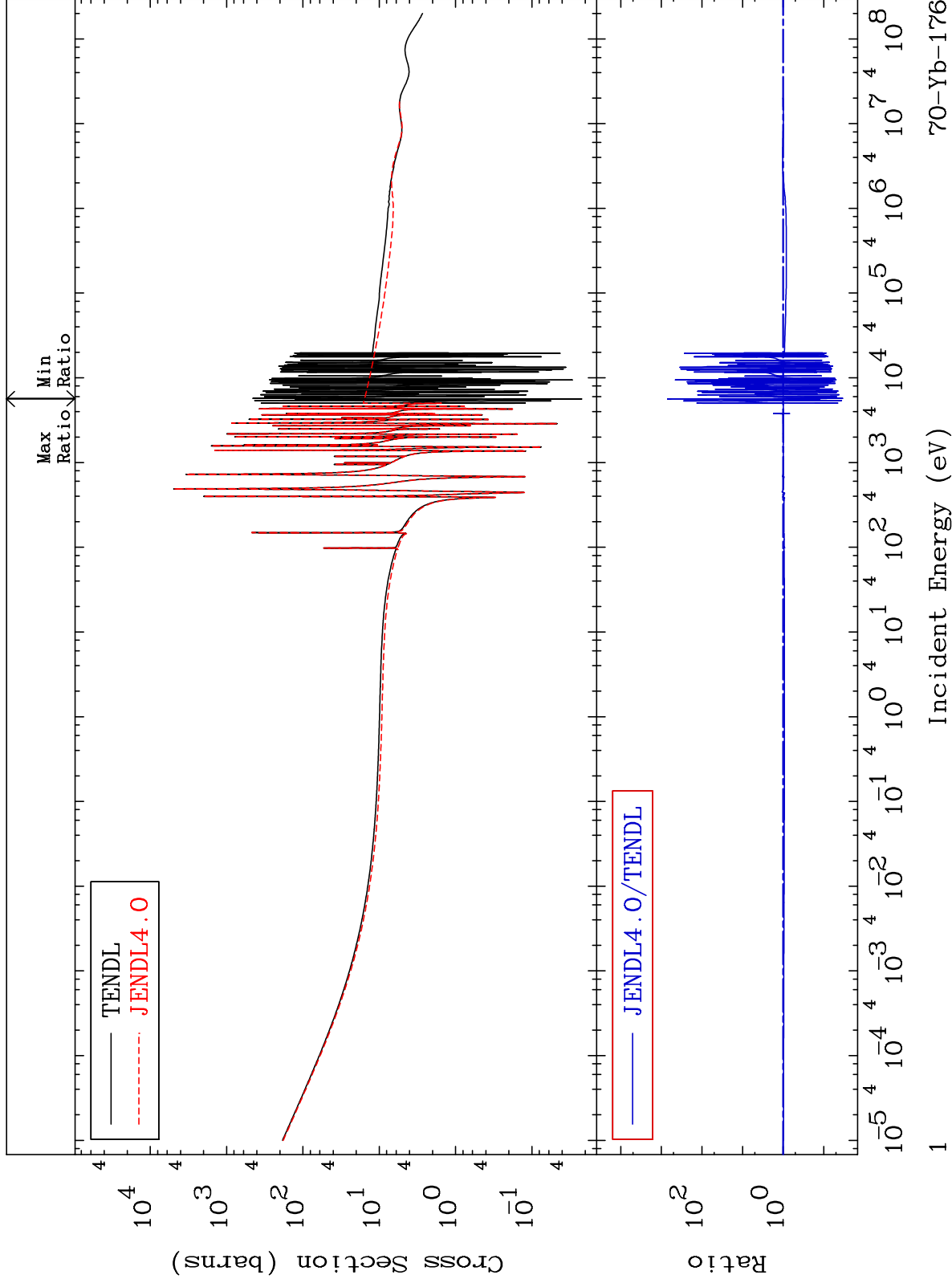
MAT 7049

Total

70-Yb-176

Cross Section

-96.57 To 9999. %



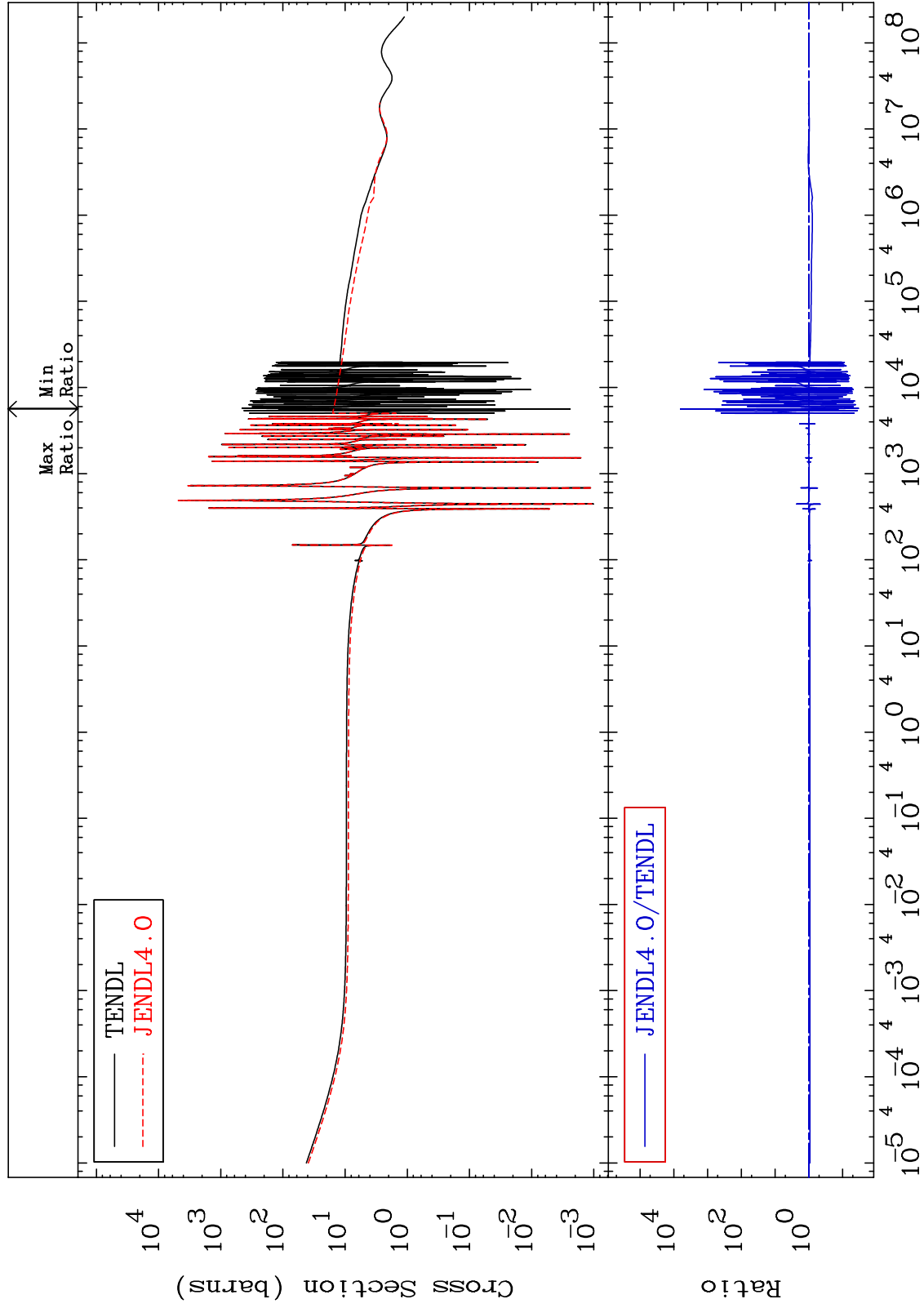
Incident Energy (eV)

70-Yb-176

MAT 7049

Elastic
Cross Section

70-Yb-176
-96.62 To 9999. %



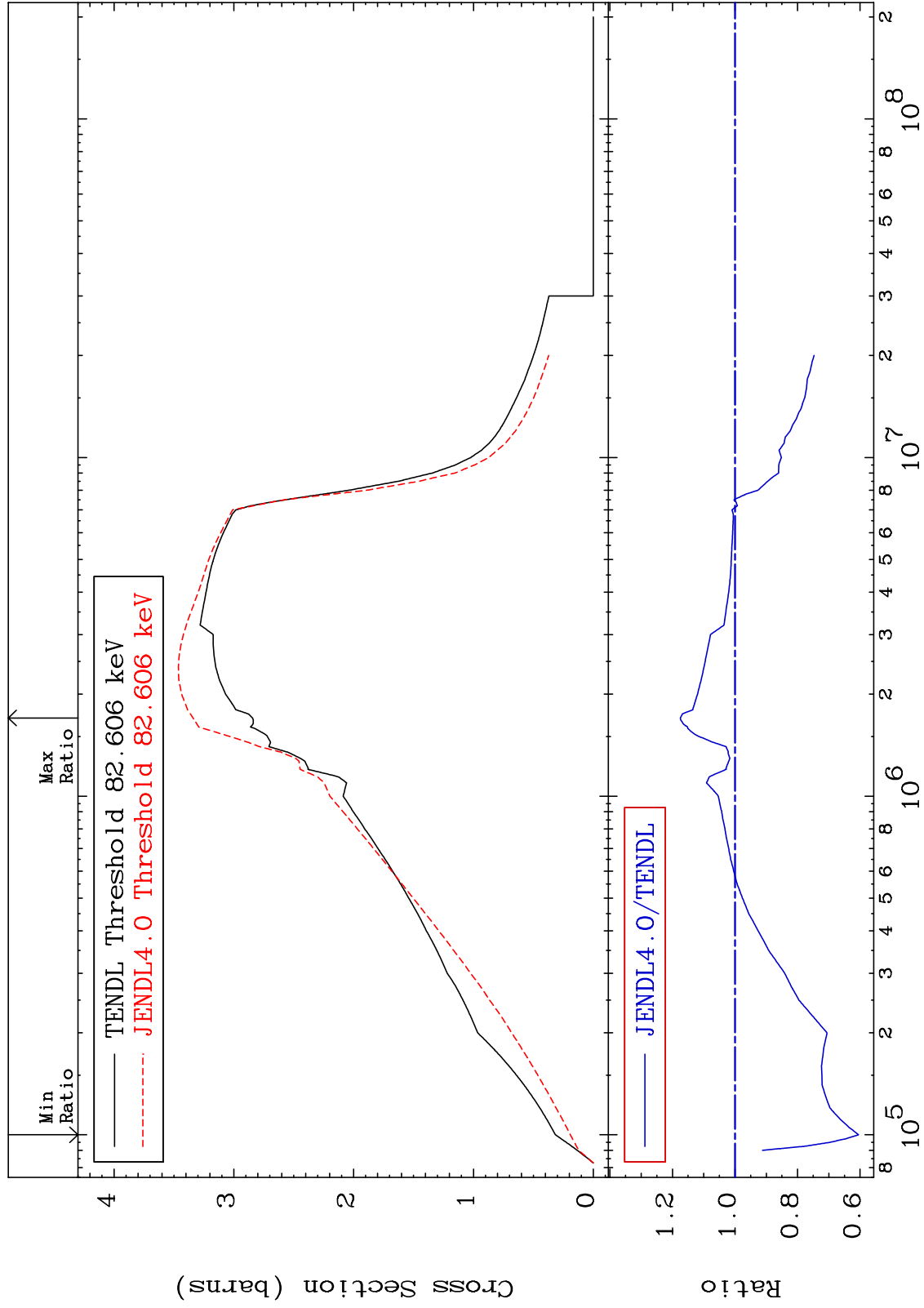
MAT 7049

Inelastic

70-Yb-176

Cross Section

-39.49 To 17.44 %

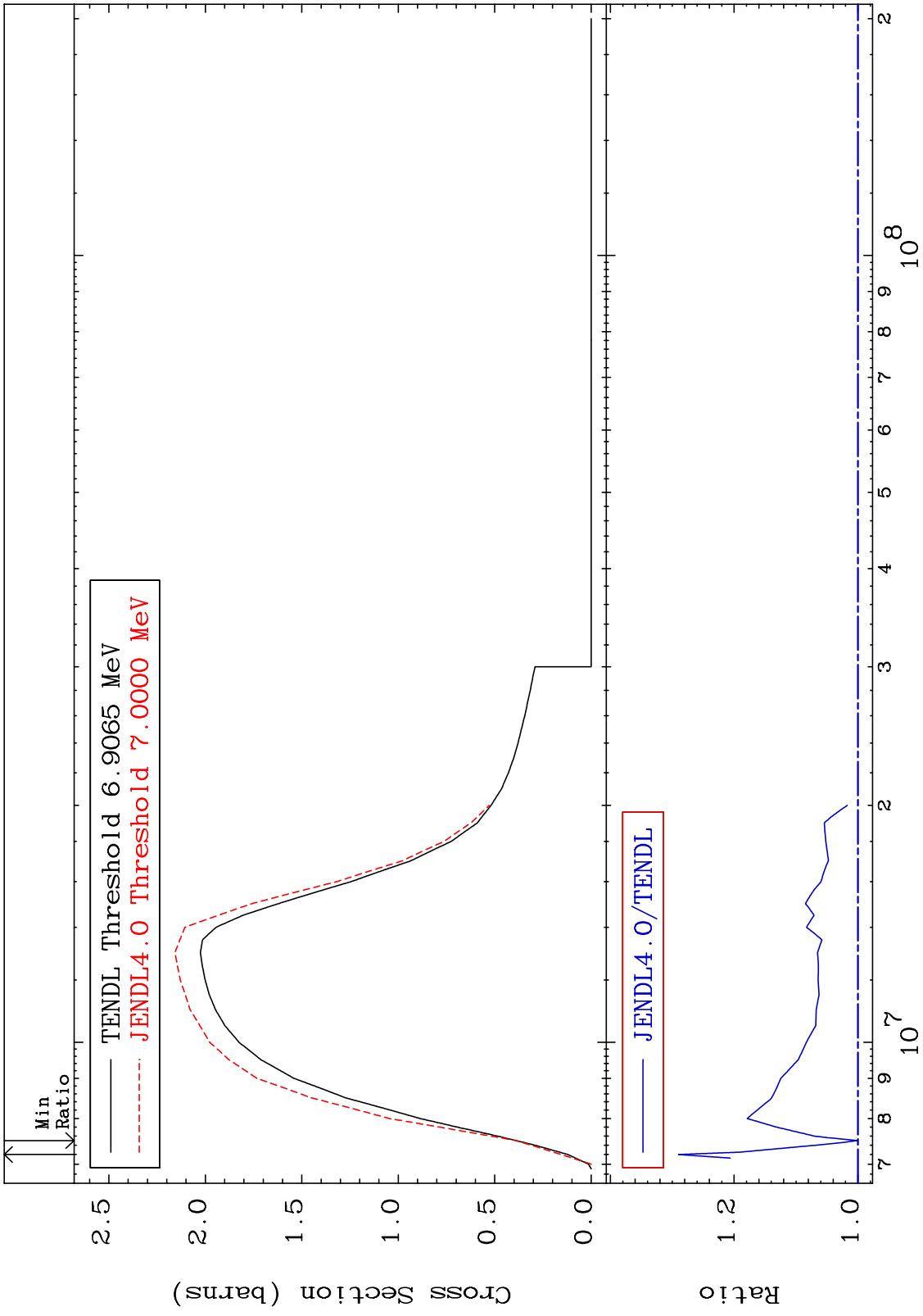


Incident Energy (eV)

70-Yb-176

3

MAT 7049 (n,2n) Cross Section 70-Yb-176 To 28.97 % 0.102



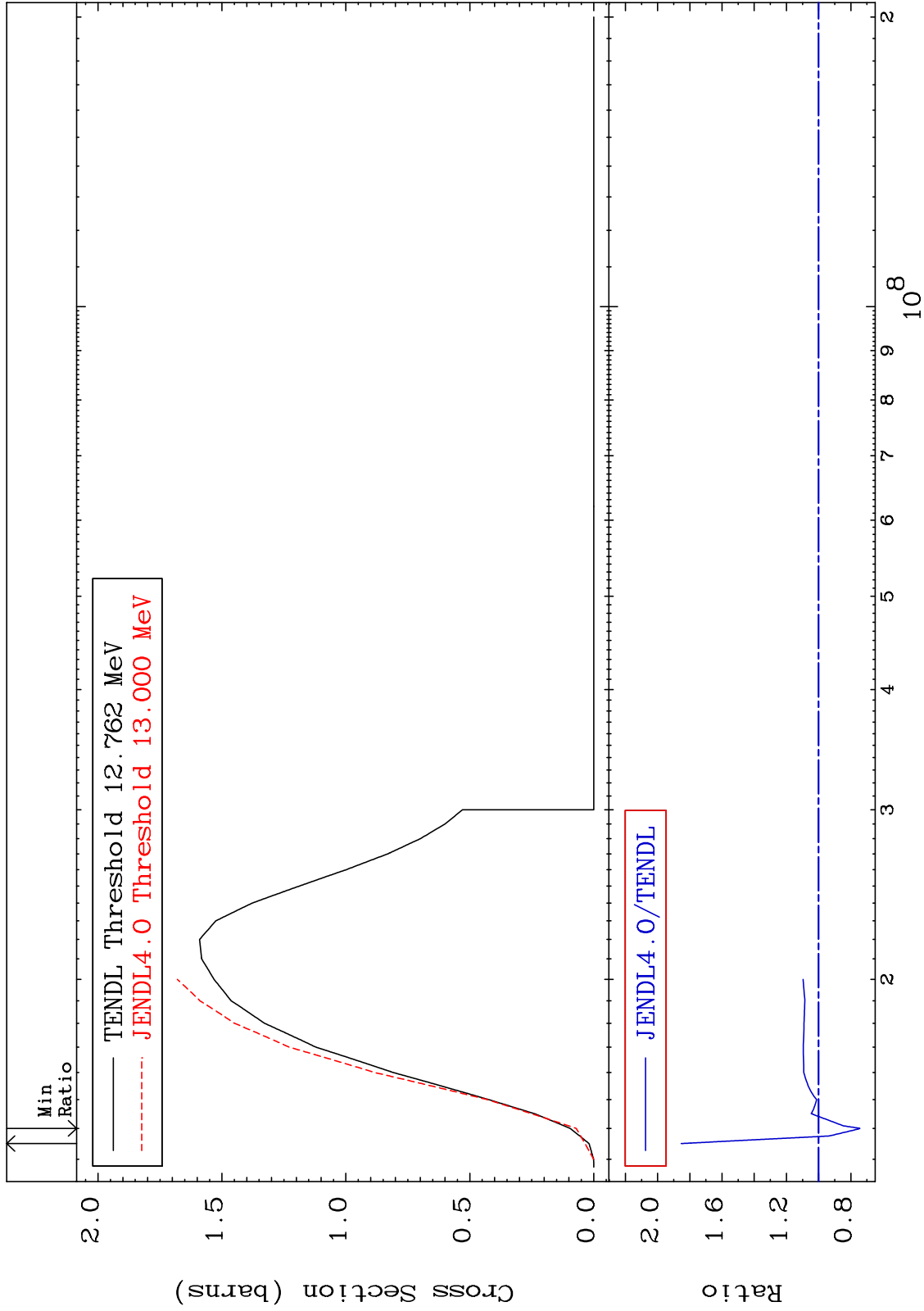
MAT 7049

(n, 3n)

⁷⁰Yb-176

Cross Section

-25.64 To 85.35 %



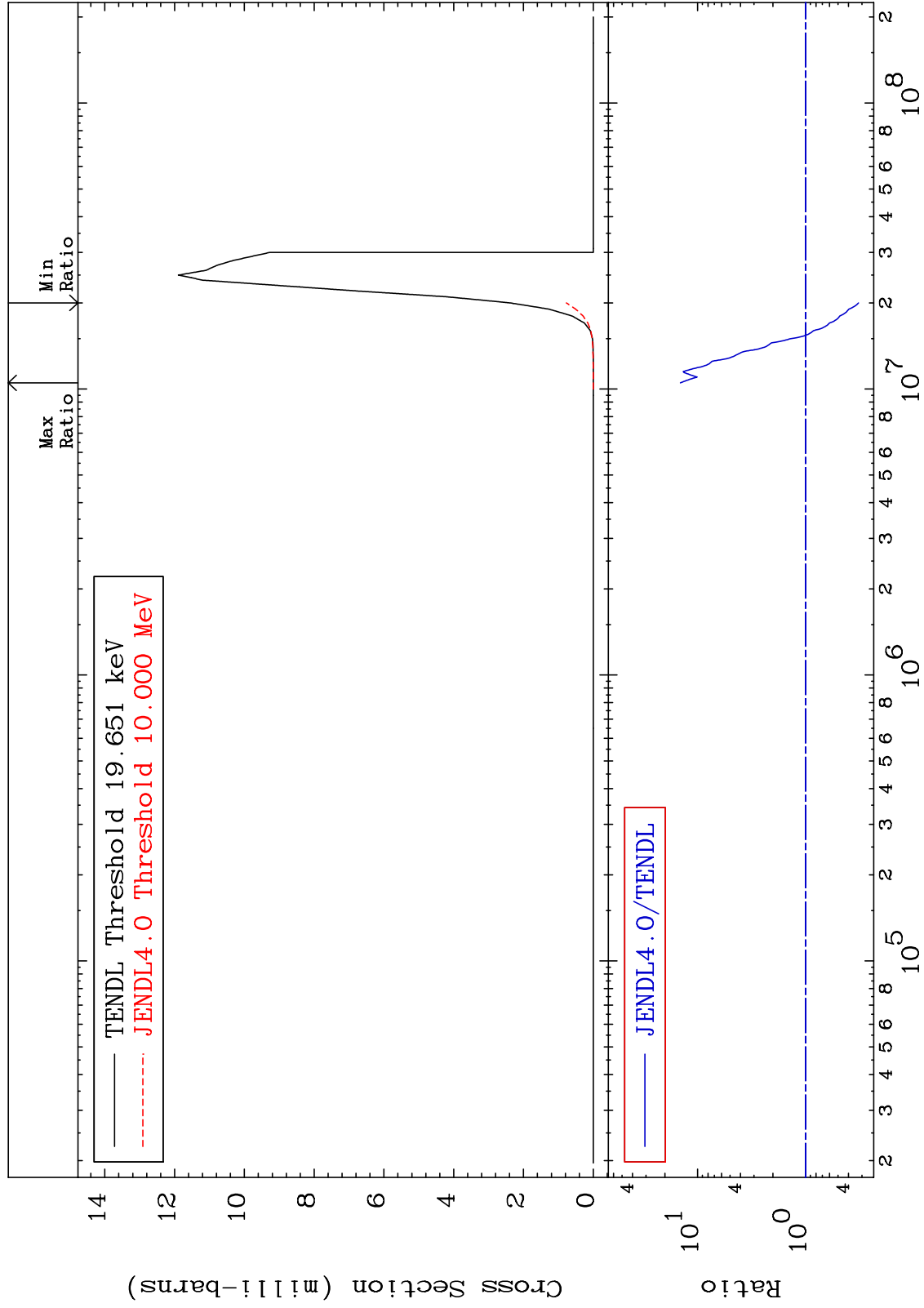
MAT 7049

(n, n') α

Cross Section

70-Yb-176

-67.70 To 1339. %



6

Incident Energy (eV)

70-Yb-176

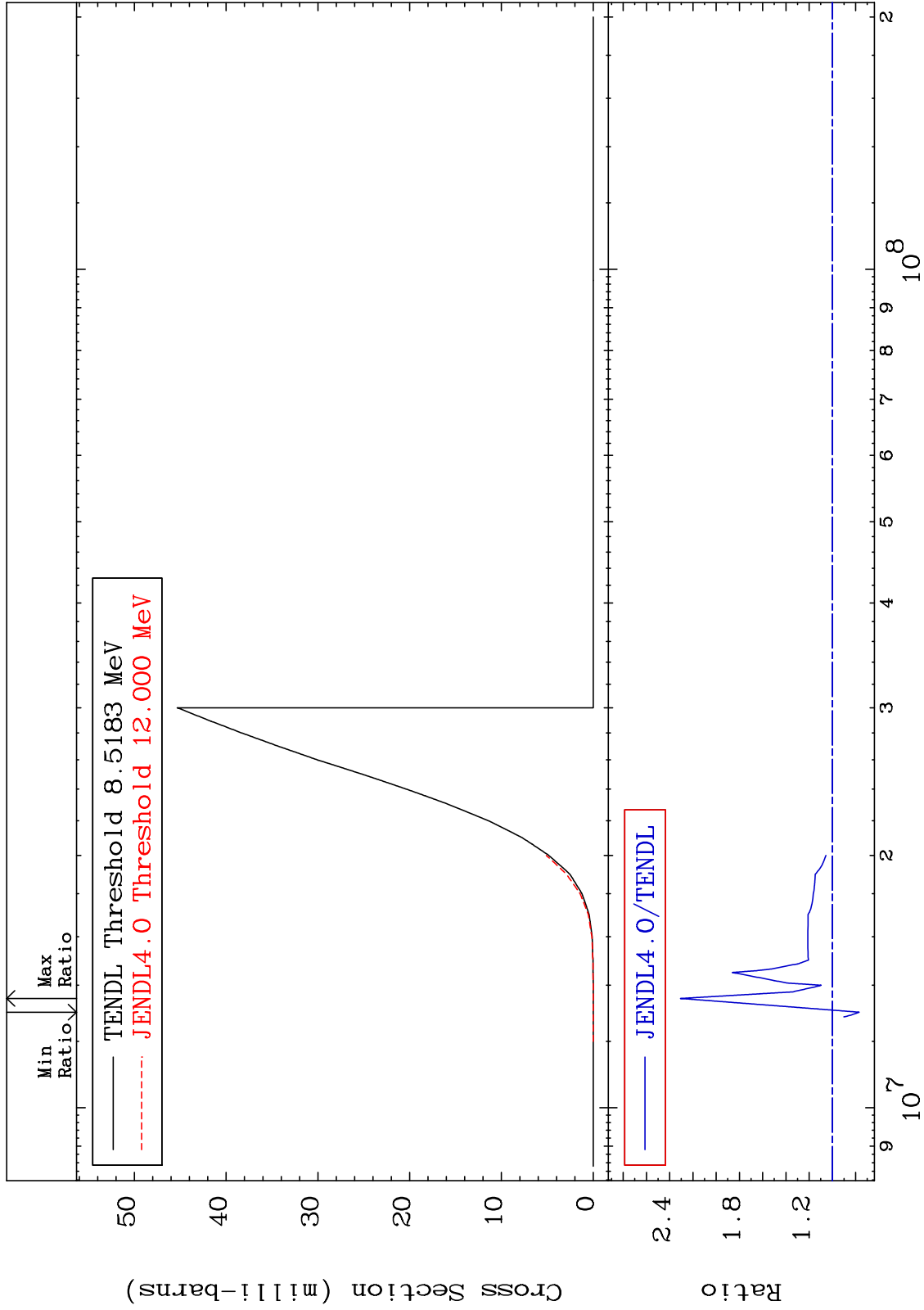
MAT 7049

(n,n') p

70-Yb-176

Cross Section

-23.04 To 130.6 %



Incident Energy (eV)

70-Yb-176

7

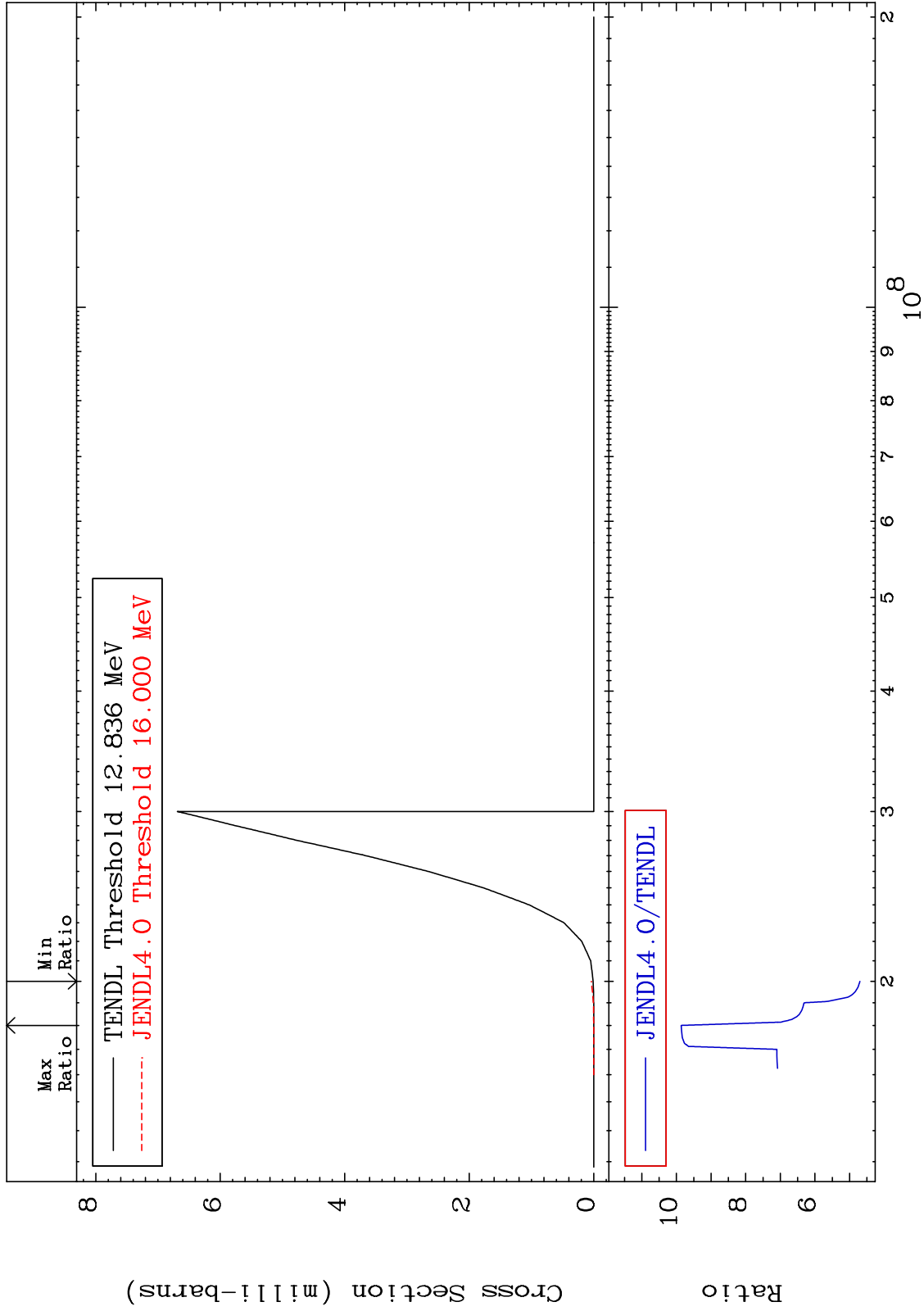
MAT 7049

(n,n') d

70-Yb-176

Cross Section

370.2 To 886.2 %

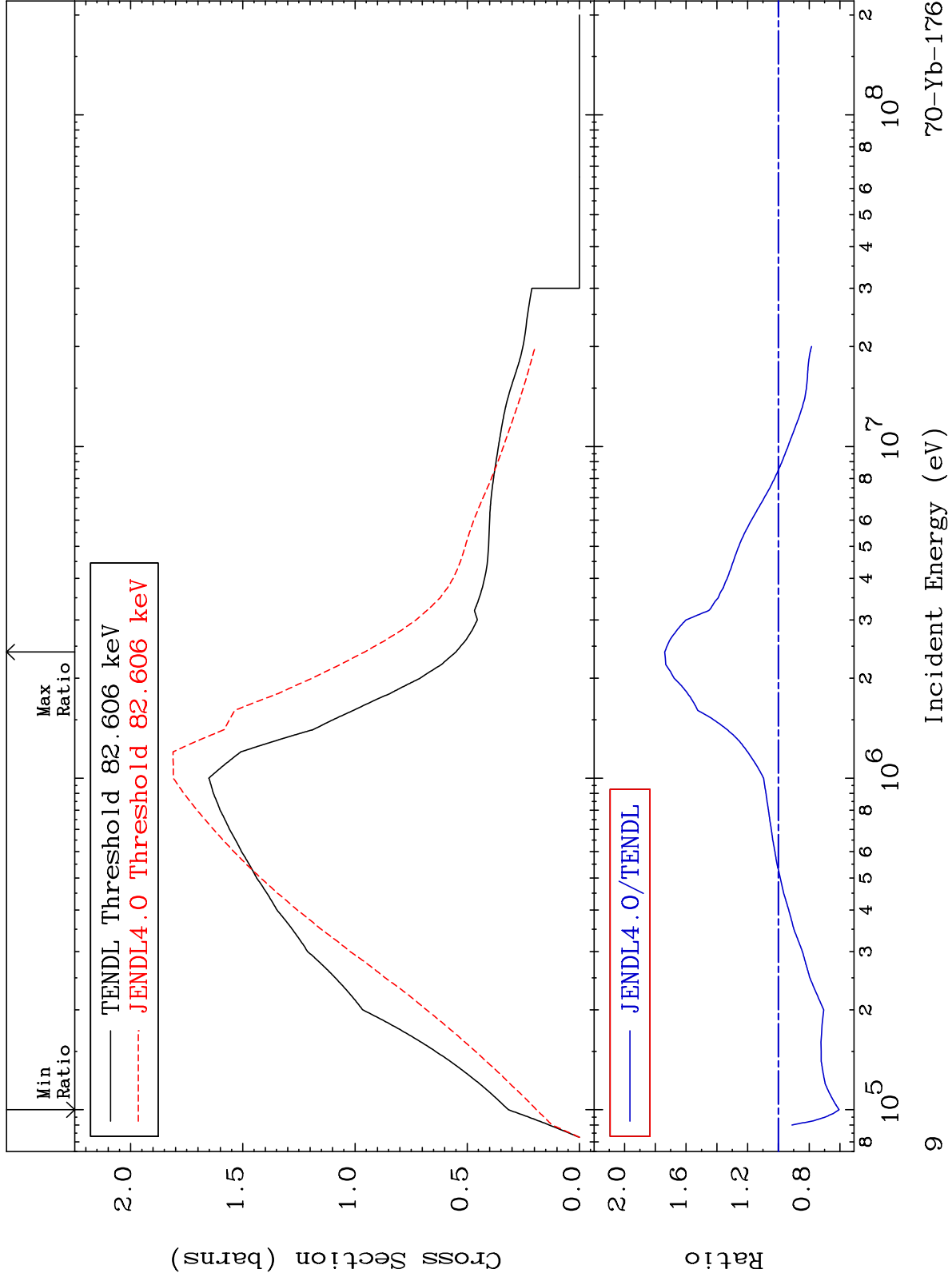


8

Incident Energy (eV)

70-Yb-176

MAT 7049 MT= 51 (n,n') Level 70-Yb-176
Cross Section -39.49 To 73.87 %

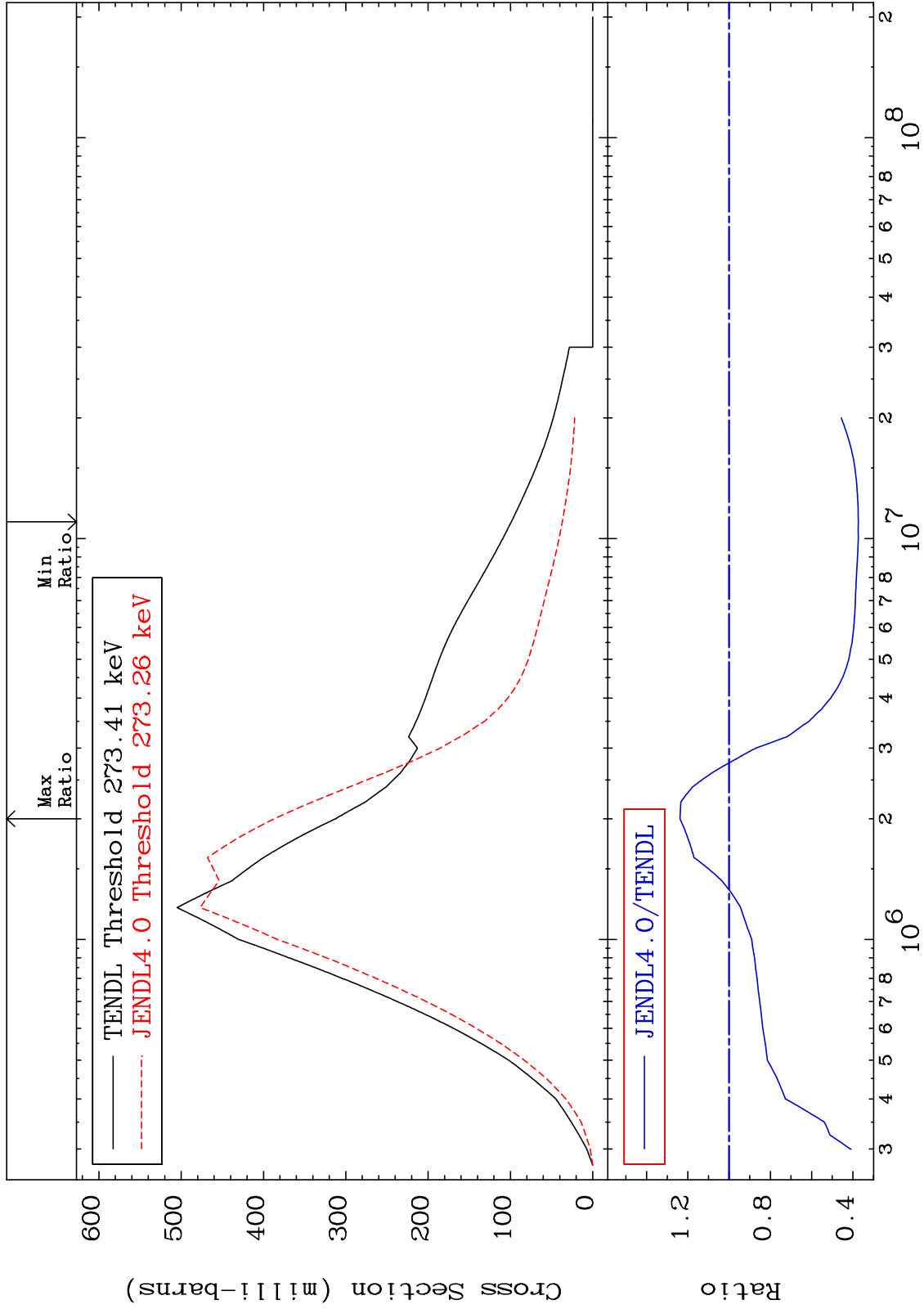


9 Incident Energy (eV) 70-Yb-176

MAT 7049

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

70-Yb-176
-62.68 To 23.79 %

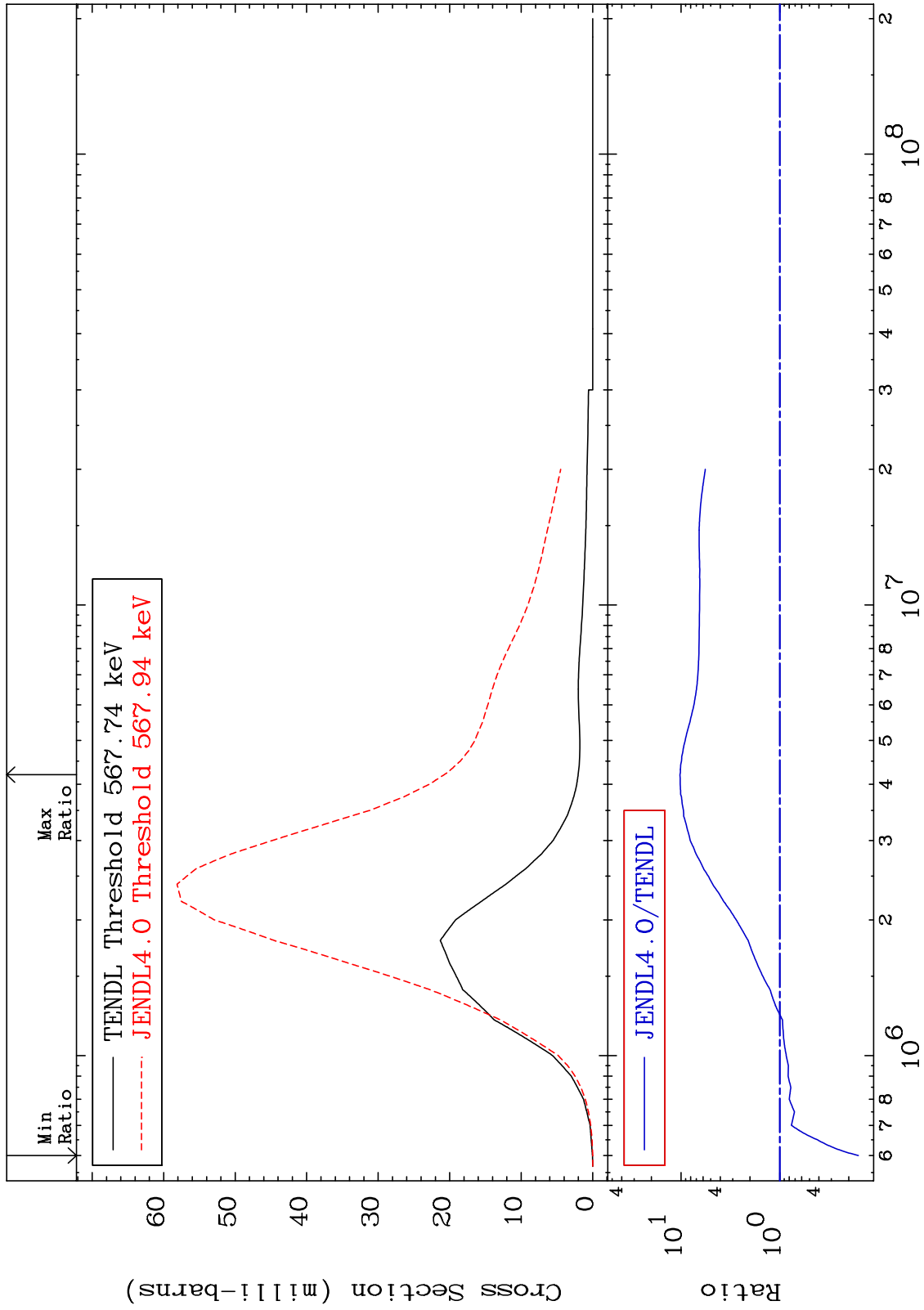


10 3 4 5 6 7 8 10⁶ 2 3 4 5 6 7 8 10⁸ 2 70-Yb-176

MAT 7049

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

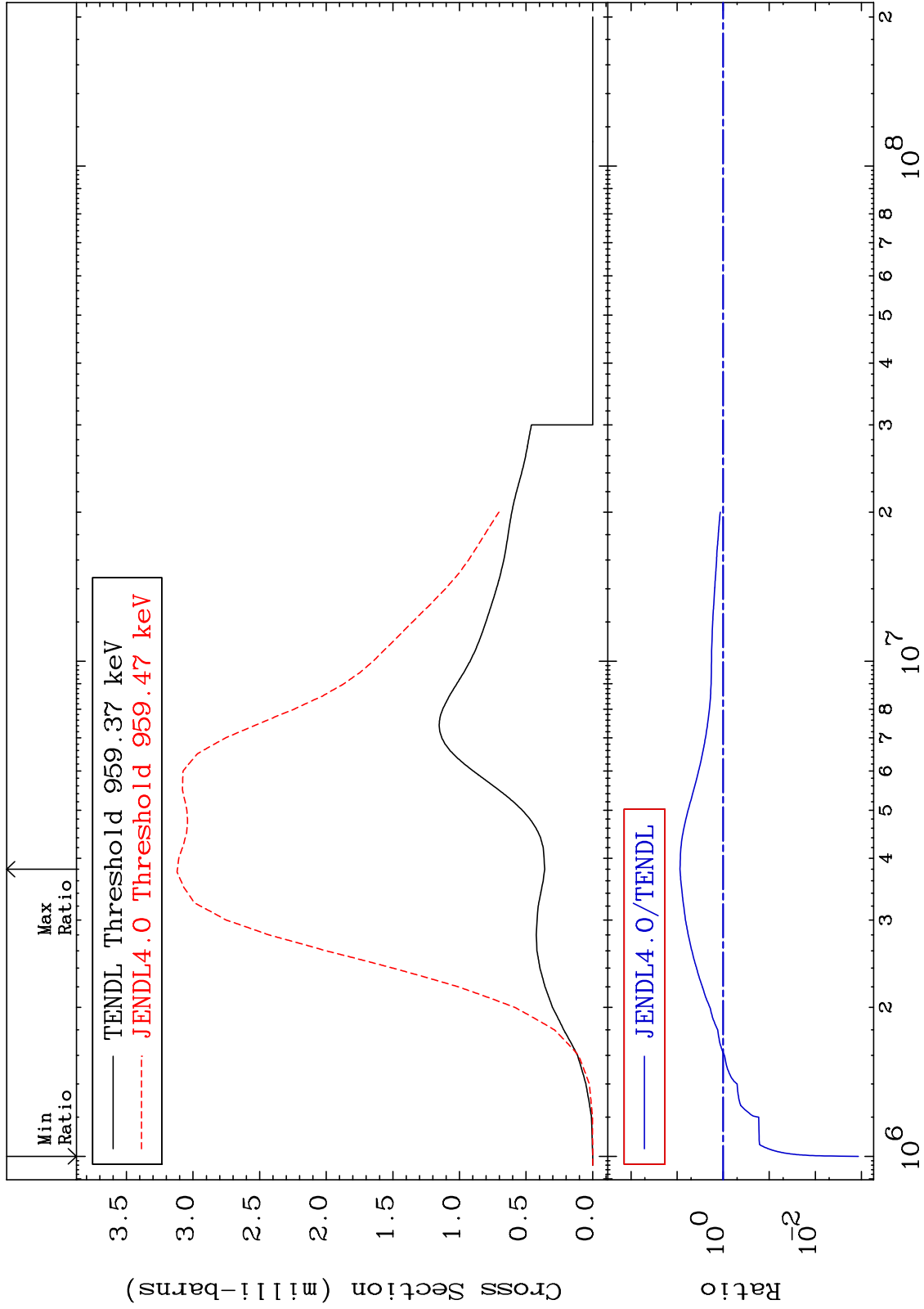
70-Yb-176
-84.07 To 925.7 %



MAT 7049

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

70-Yb-176
-99.88 To 764.6 %

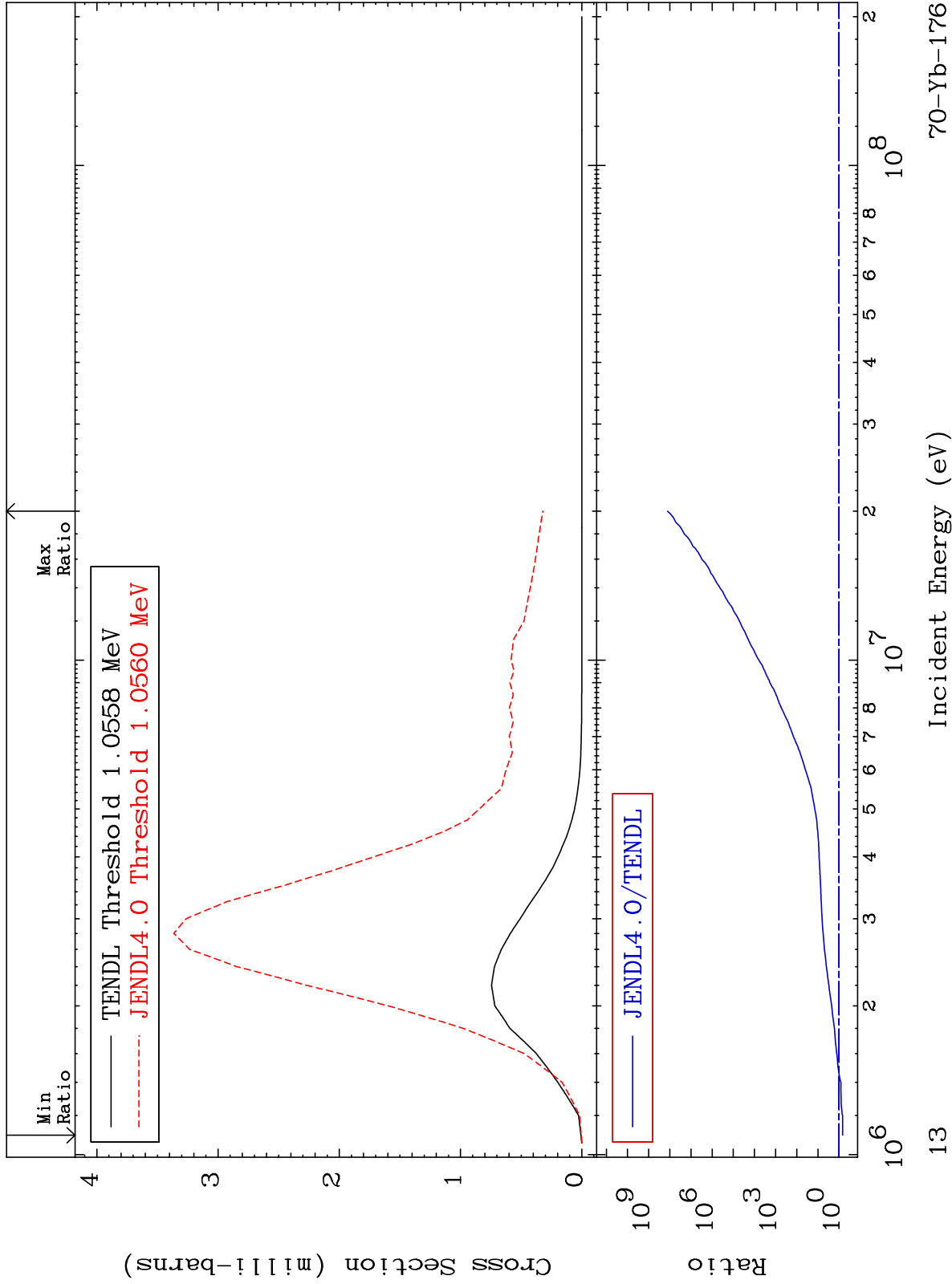


12 70-Yb-176

MAT 7049

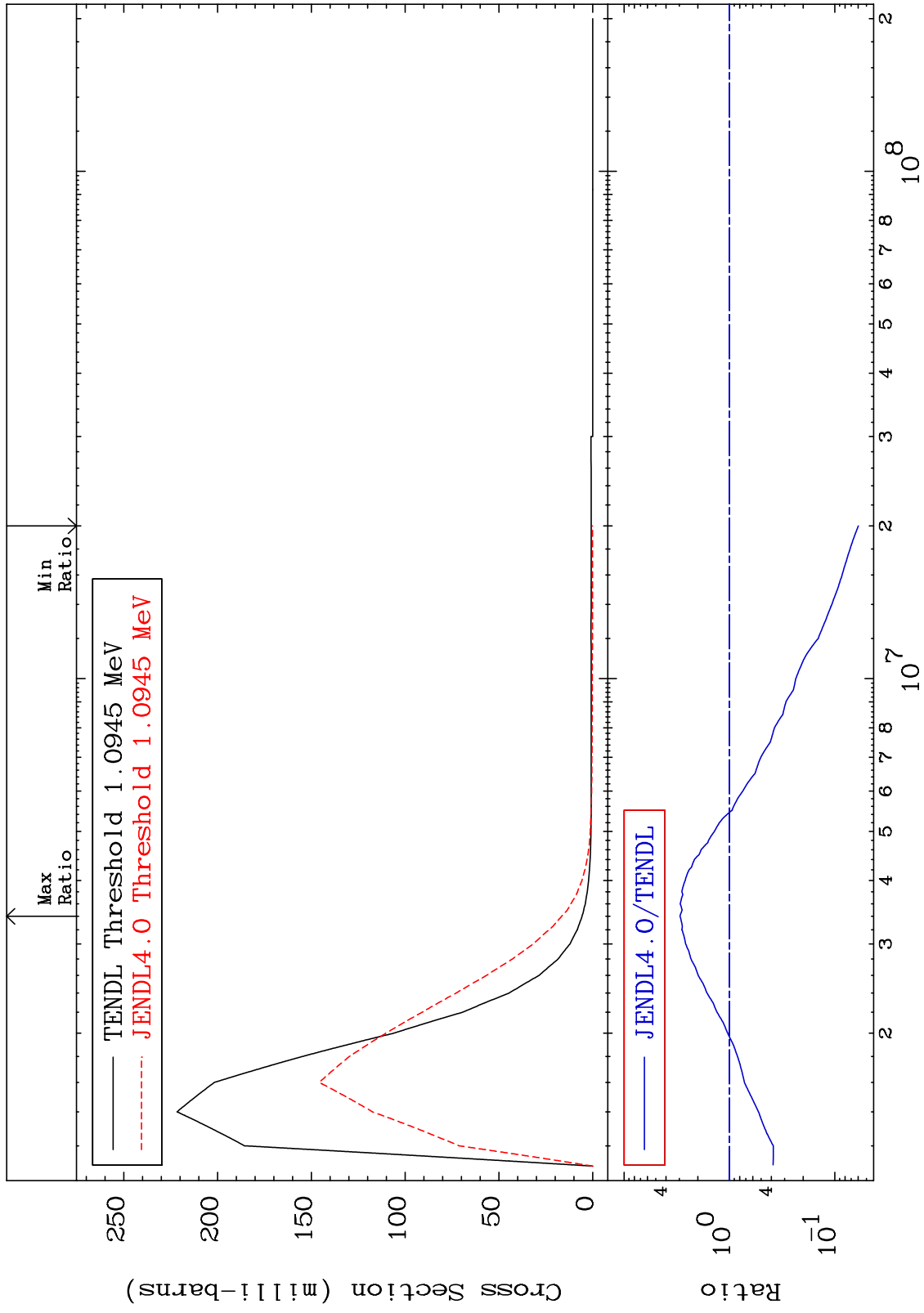
MT= 55 (n,n') Level
Cross Section

70-Yb-176
-32.49 To 9999. %



13

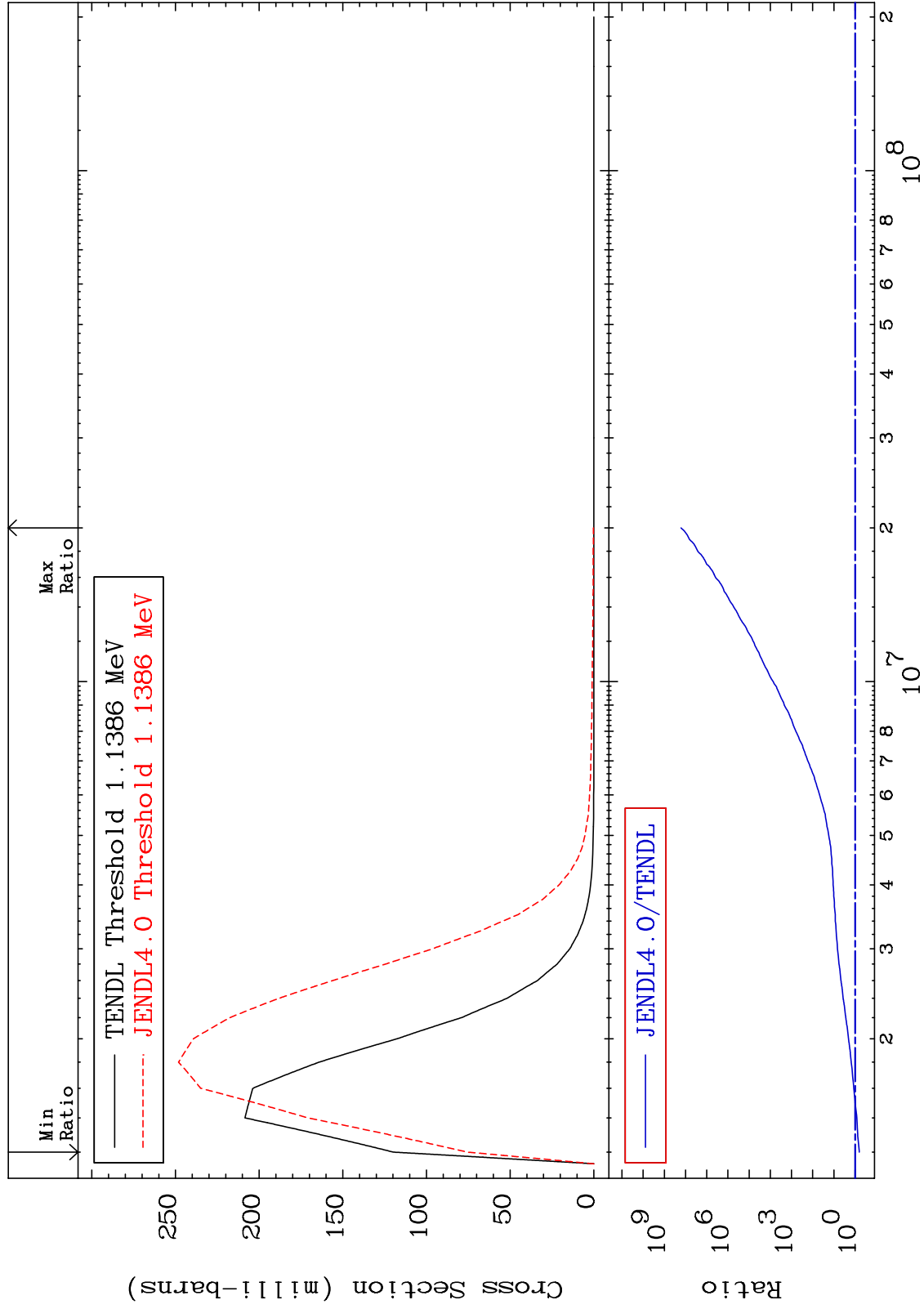
MAT 7049 MT= 56 (n,n') Level Cross Section 70-Yb-176
 -94.03 To 194.6 %



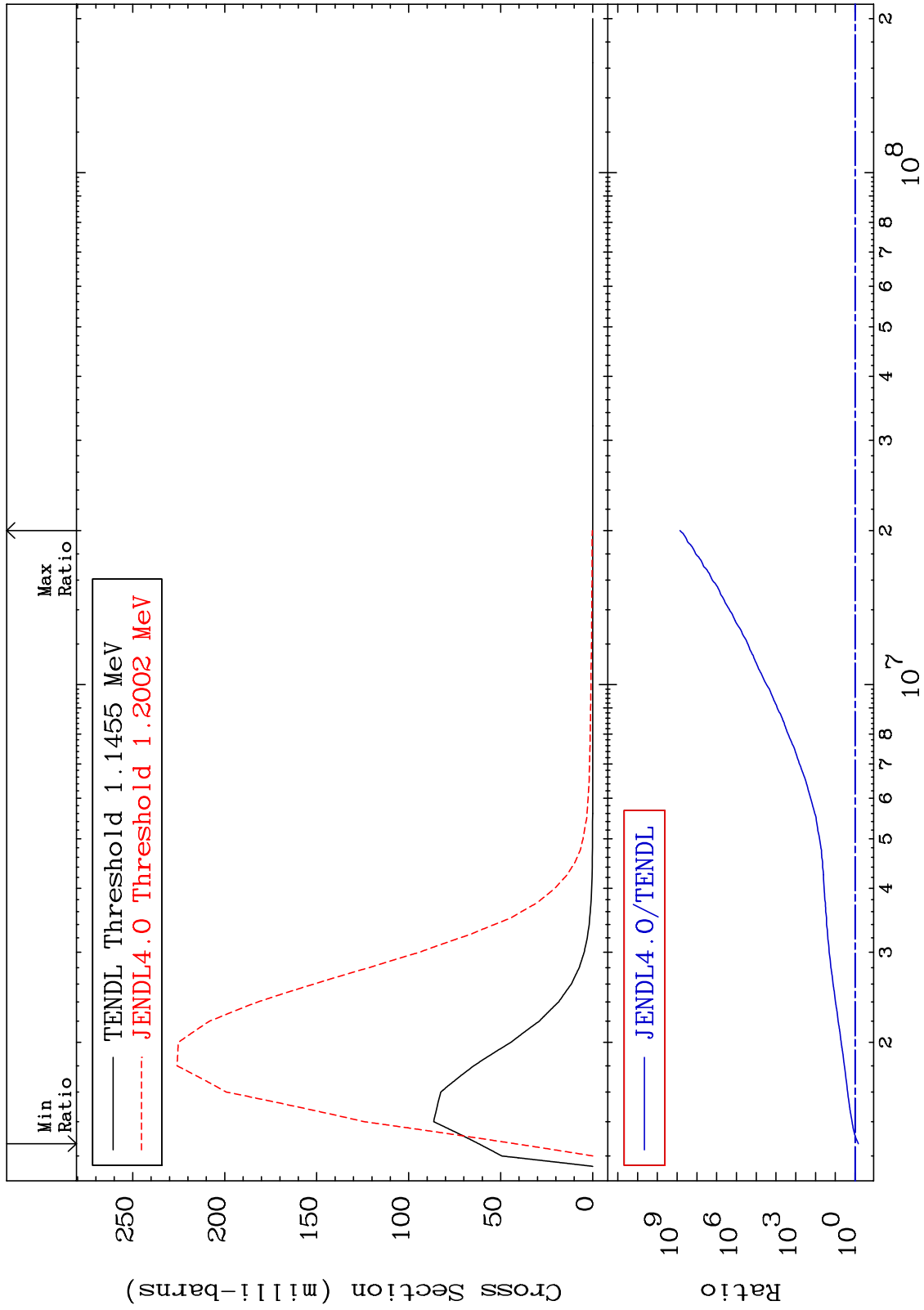
MAT 7049

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

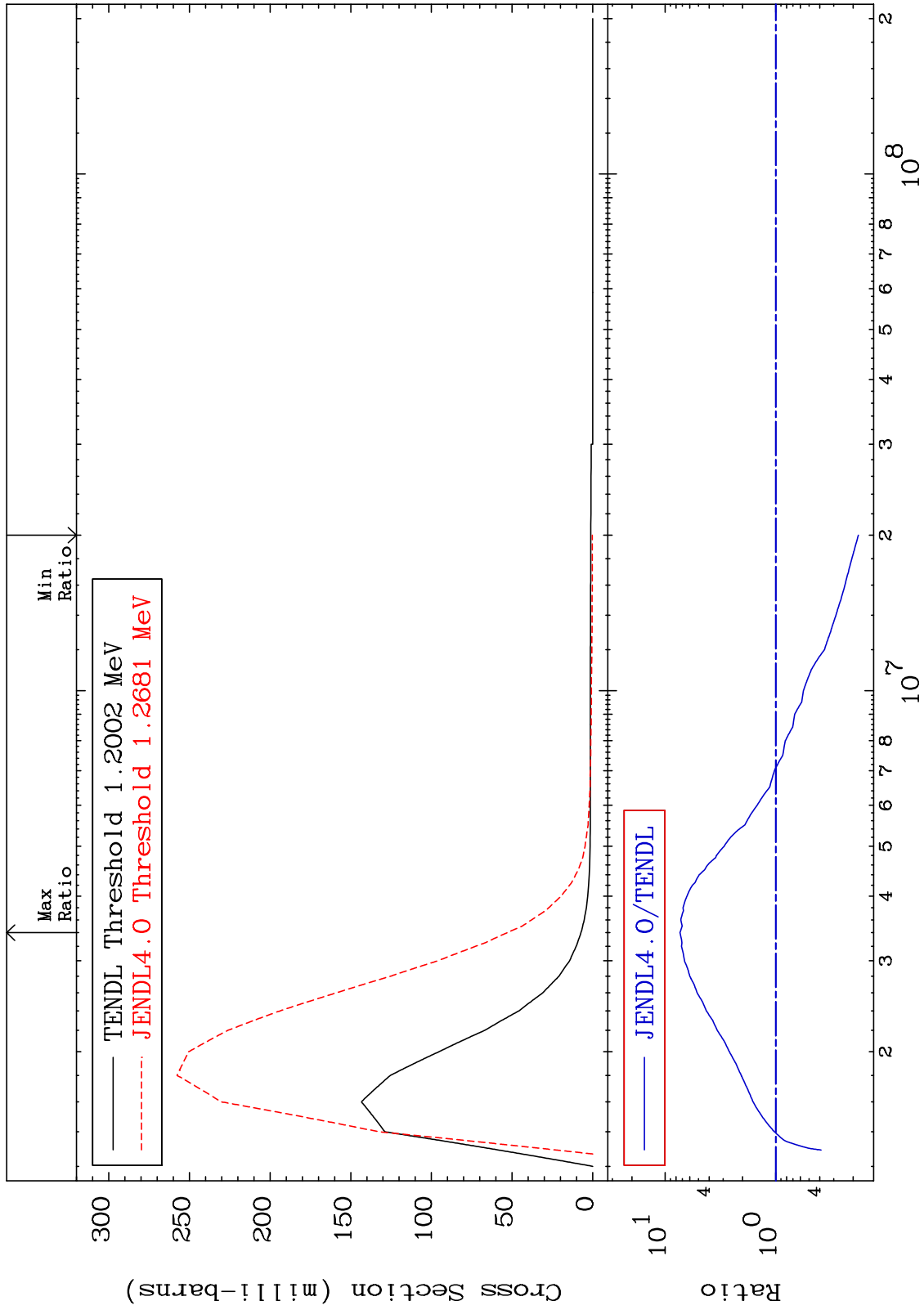
70-Yb-176
-36.86 To 9999. %



MAT 7049 MT= 58 (n, n') Level 70-Yb-176
 Cross Section -32.00 To 9999. %



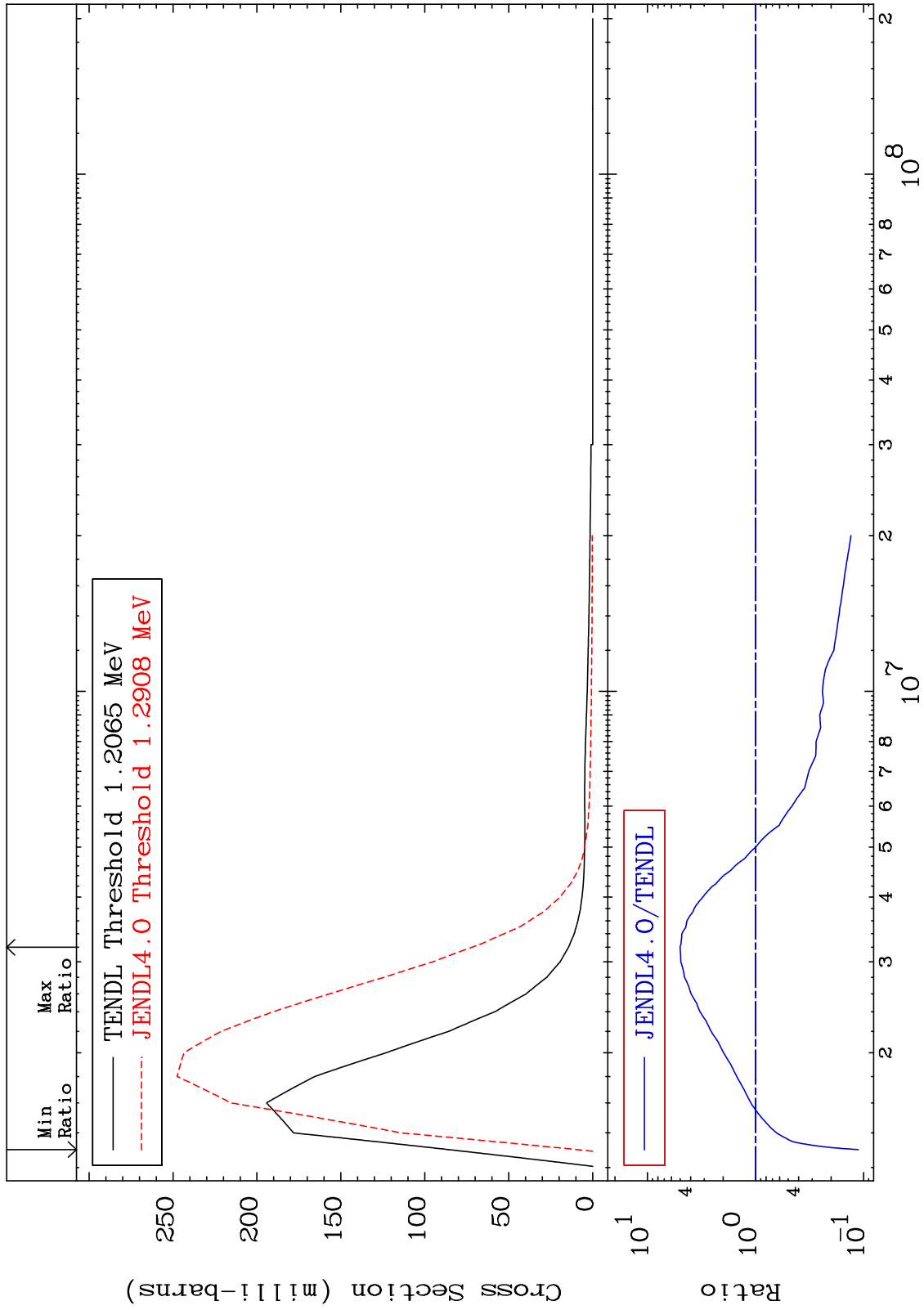
MAT 7049 MT= 59 (n, n') Level
 Cross Section 70-Yb-176
 -82.09 To 634.6 %



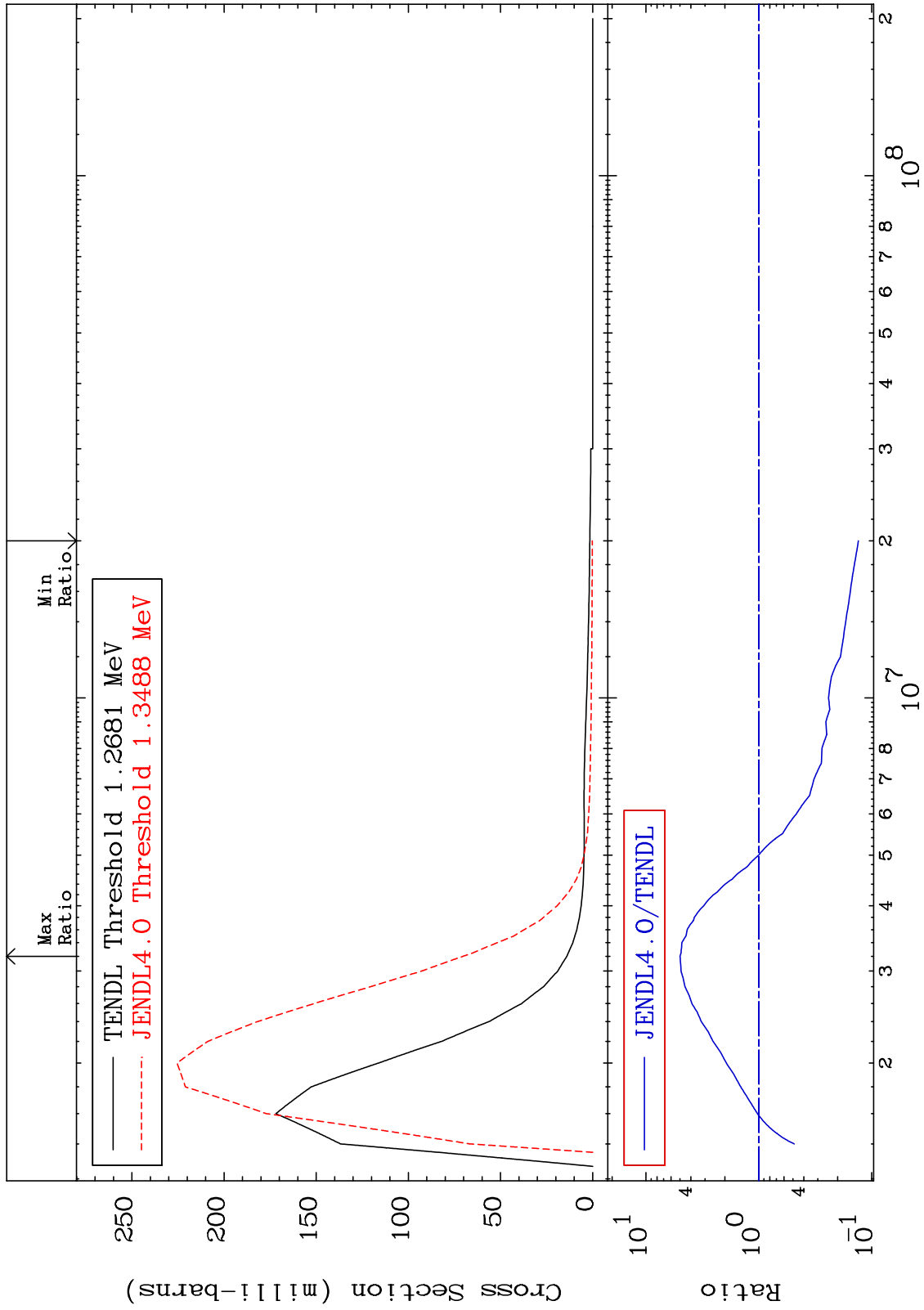
MAT 7049

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

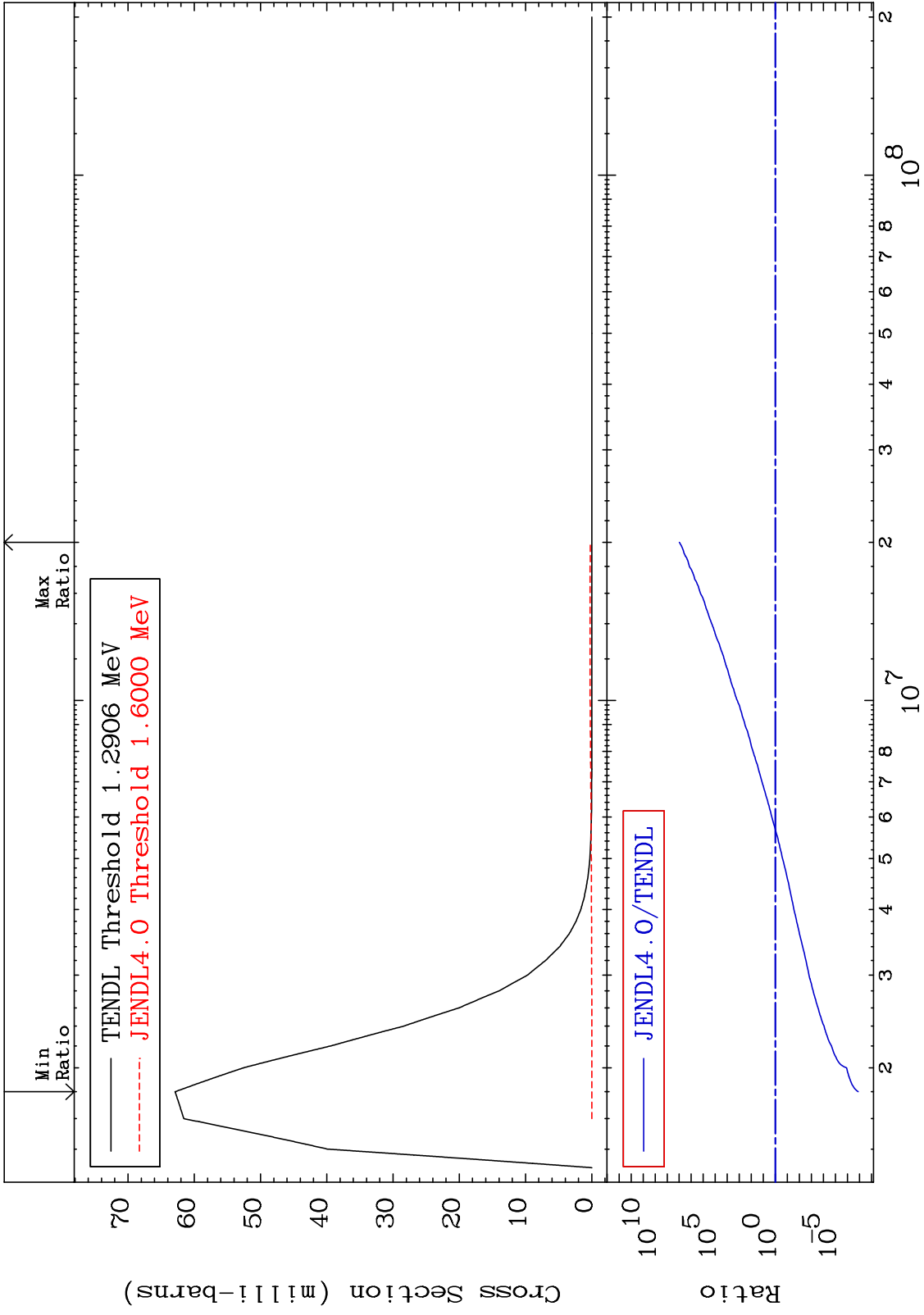
70-Yb-176
-88.81 To 400.7 %



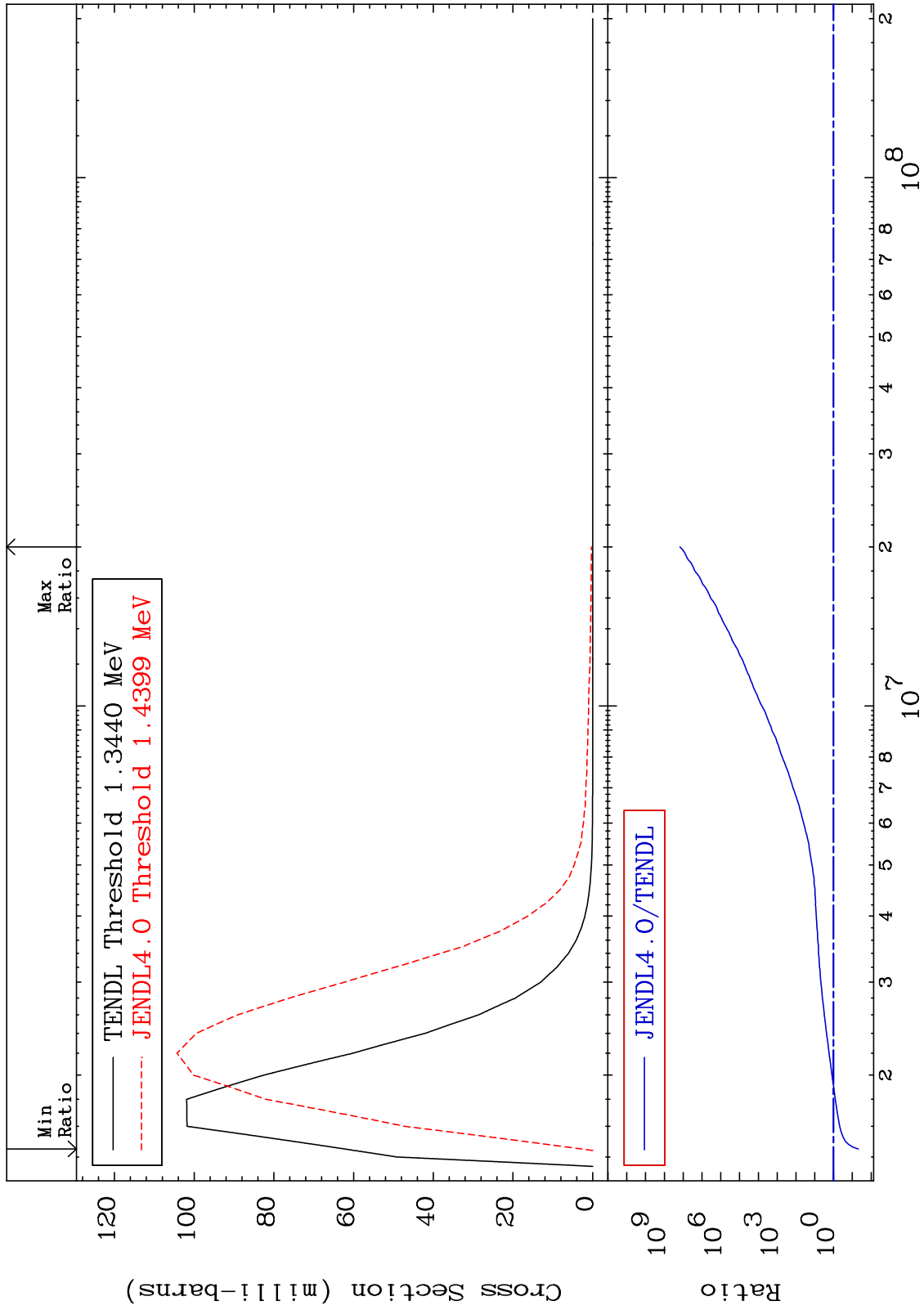
MAT 7049 MT= 61 (n, n') Level Cross Section 70-Yb-176 -86.89 To 399.8 %



MAT 7049
MT= 62 (n, n') Level
Cross Section
70-Yb-176
-100.0 To 9999. %



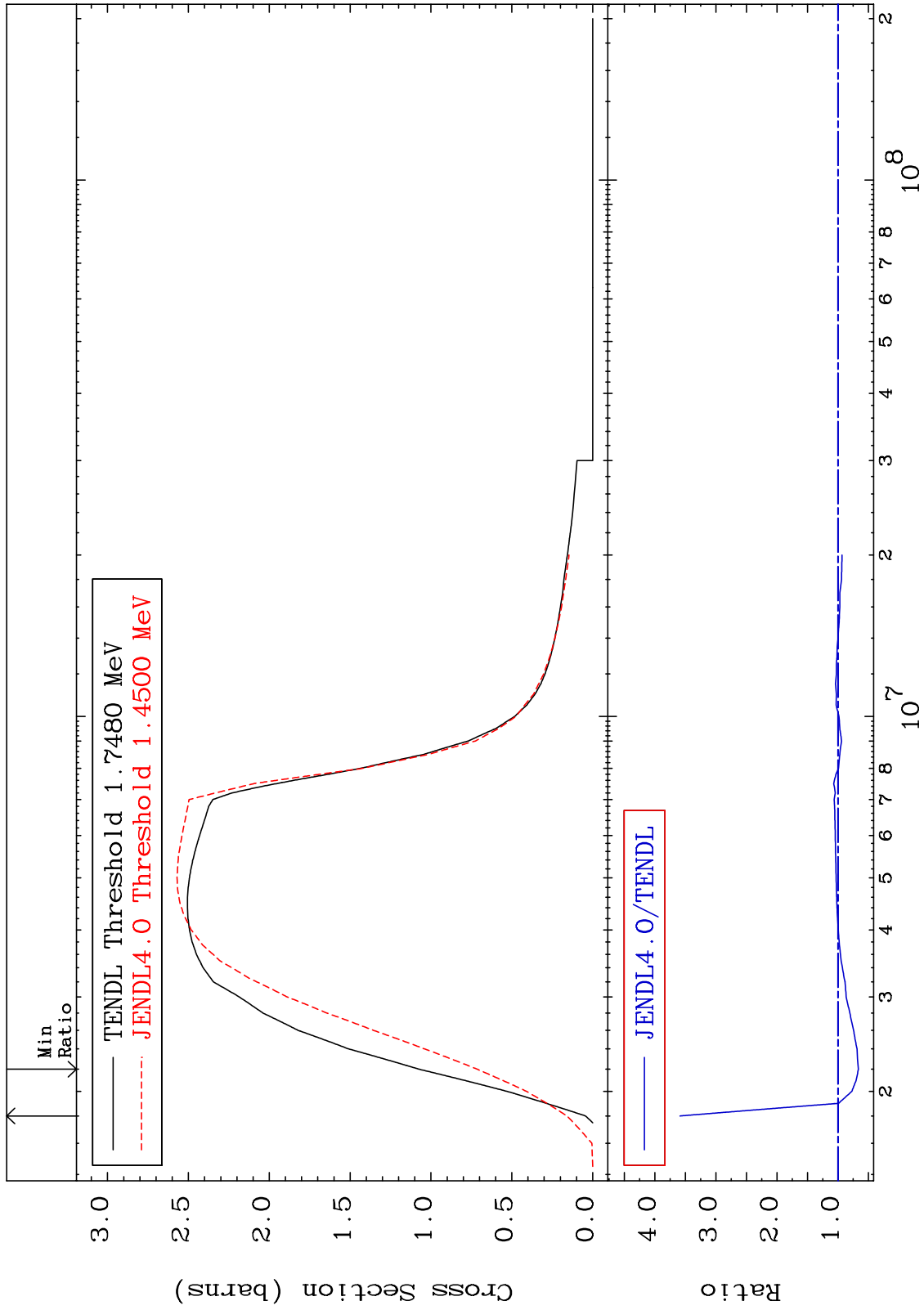
MAT 7049 MT= 63 (n,n') Level 70-Yb-176
 Cross Section -95.25 To 9999. %



MAT 7049

(n, n') Continuum
Cross Section

70-Yb-176
-33.50 To 258.9 %

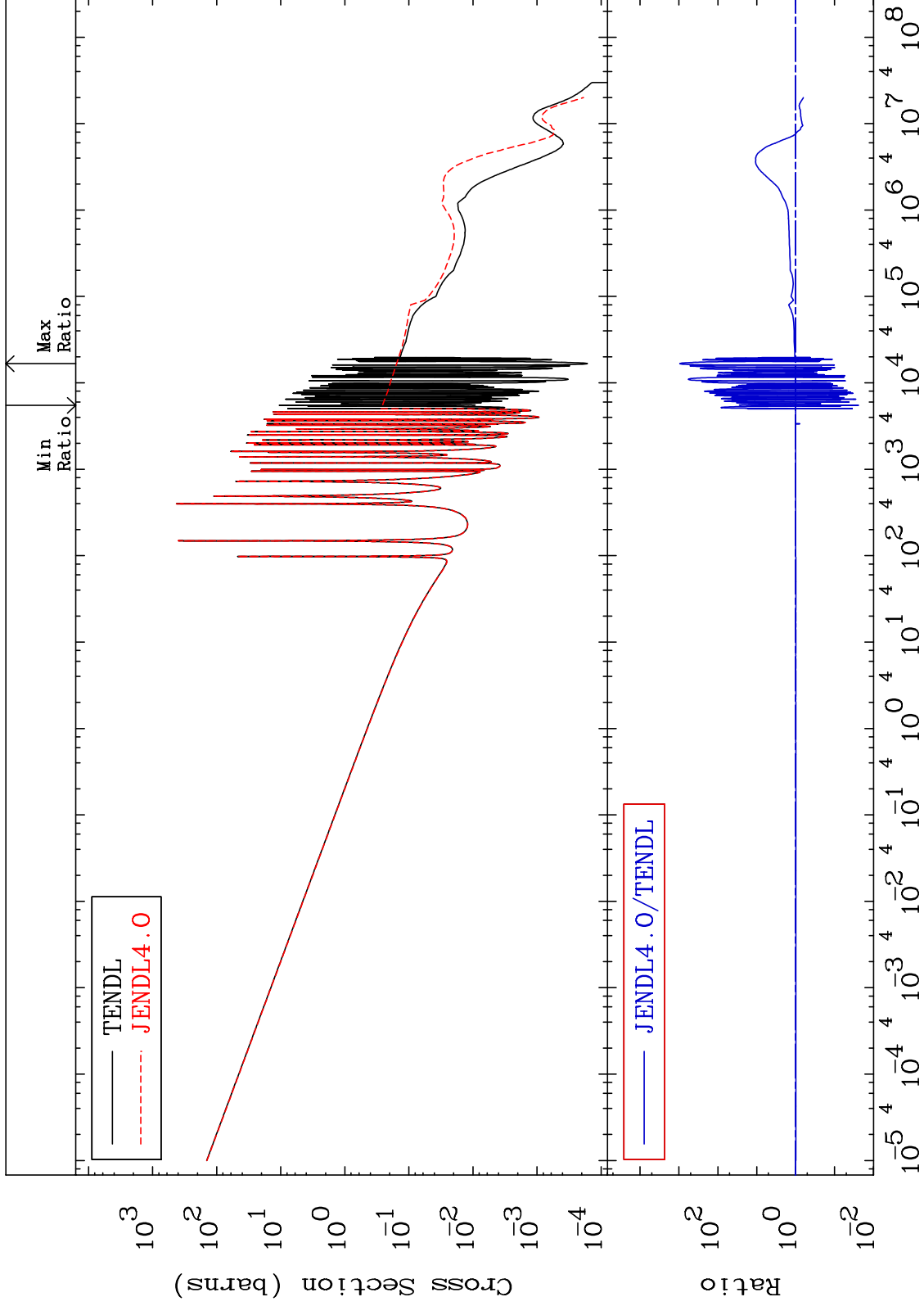


MAT 7049

(n, γ)

70-Yb-176
-97.56 To 9999. %

Cross Section



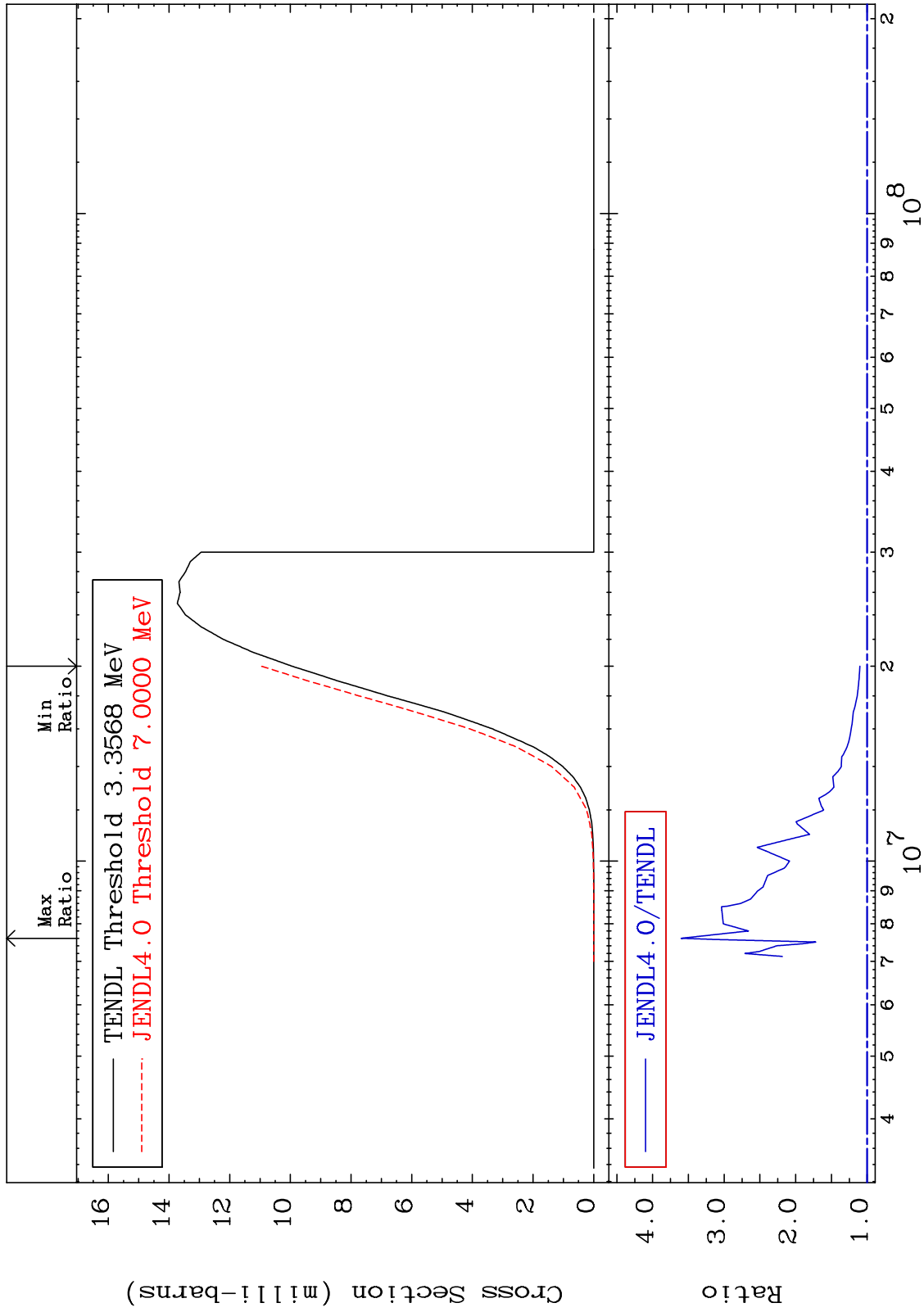
23

Incident Energy (eV)

70-Yb-176

MAT 7049

(n, p)
Cross Section
10.13 To 260.0 %
70-Yb-176



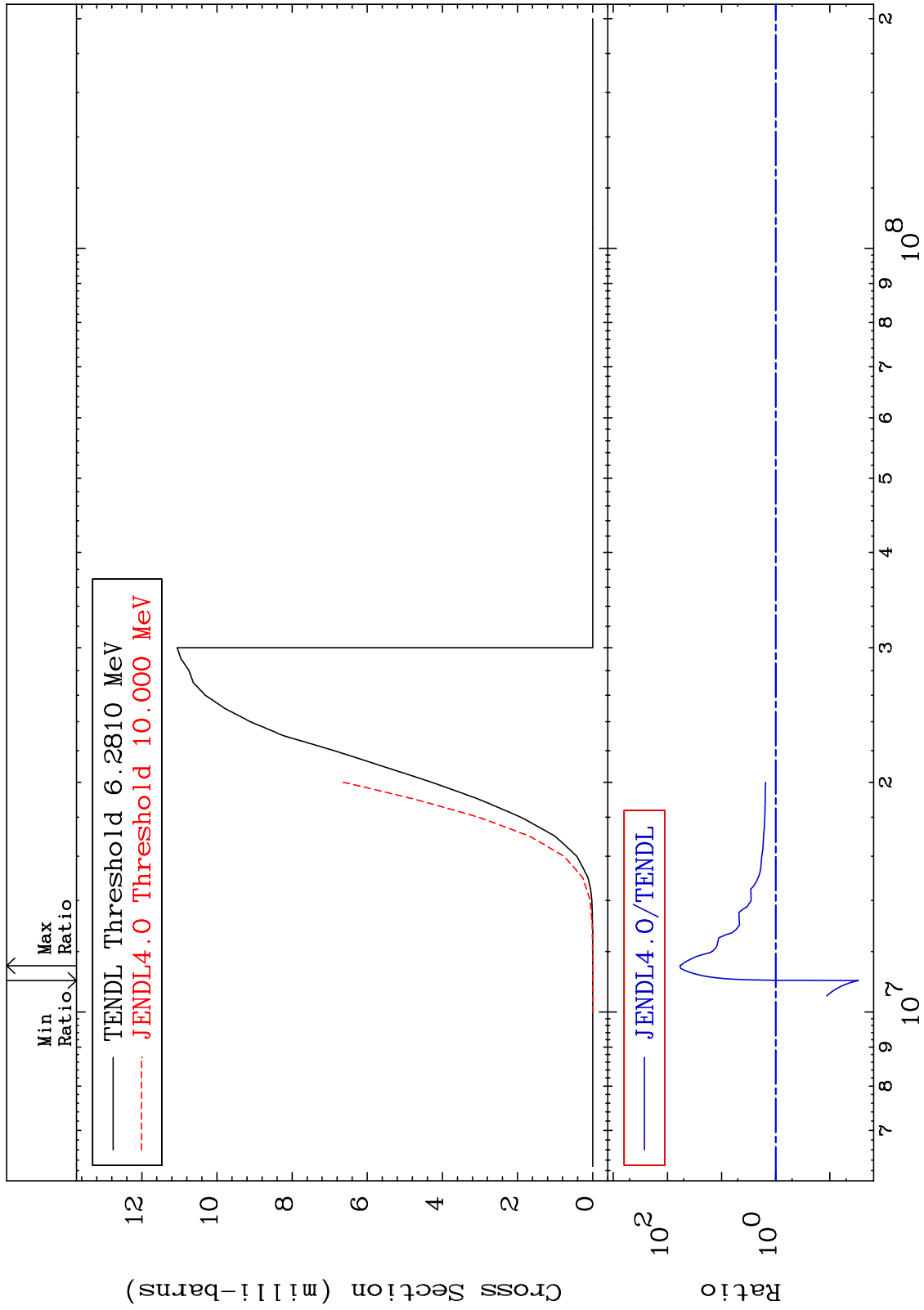
MAT 7049

(n, d)

70-Yb-176

Cross Section

-97.04 To 5749. %



25

70-Yb-176

70-Yb-176

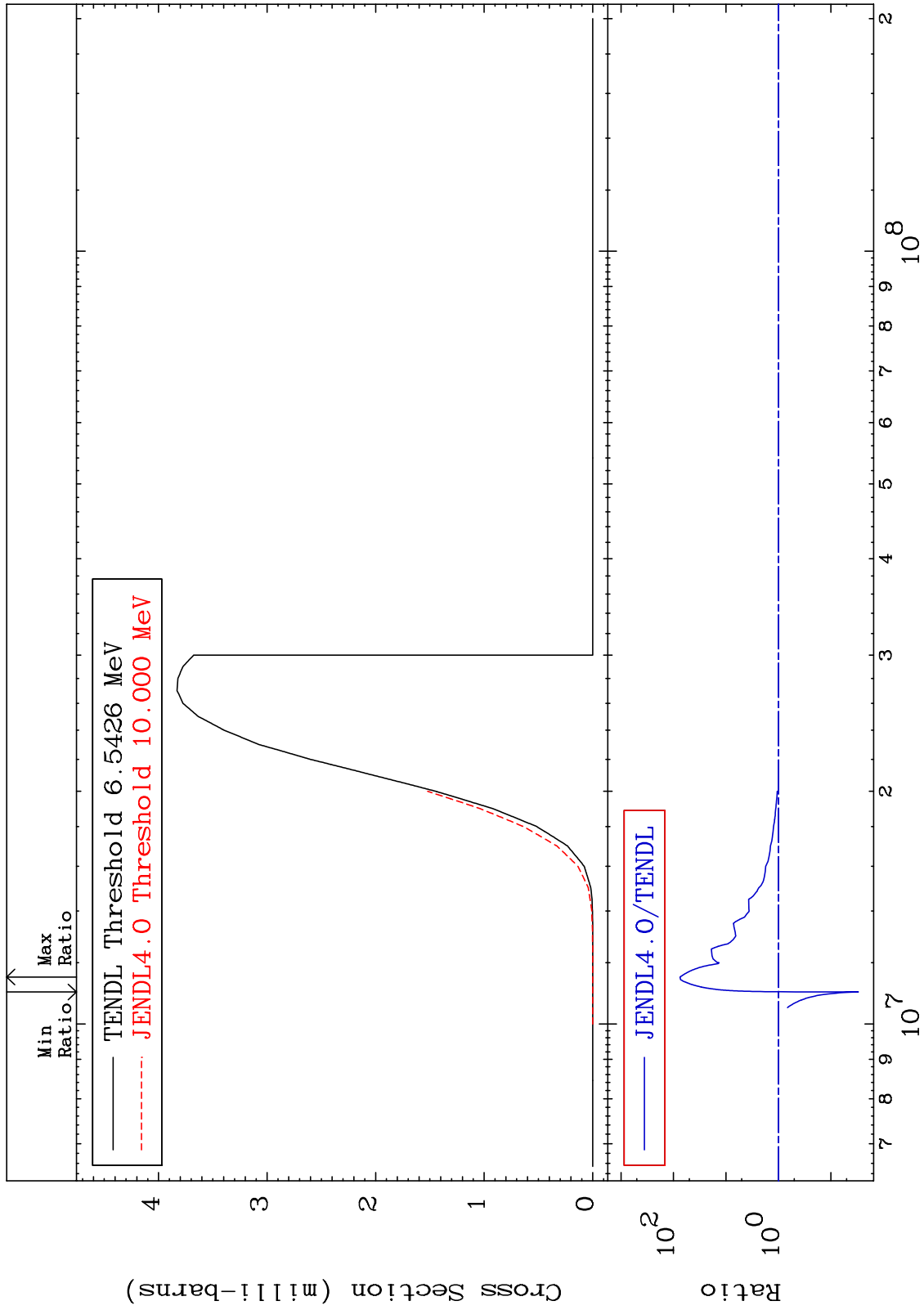
MAT 7049

(n, t)

70-Yb-176

Cross Section

-97.01 To 7417. %



26

70-Yb-176

70-Yb-176

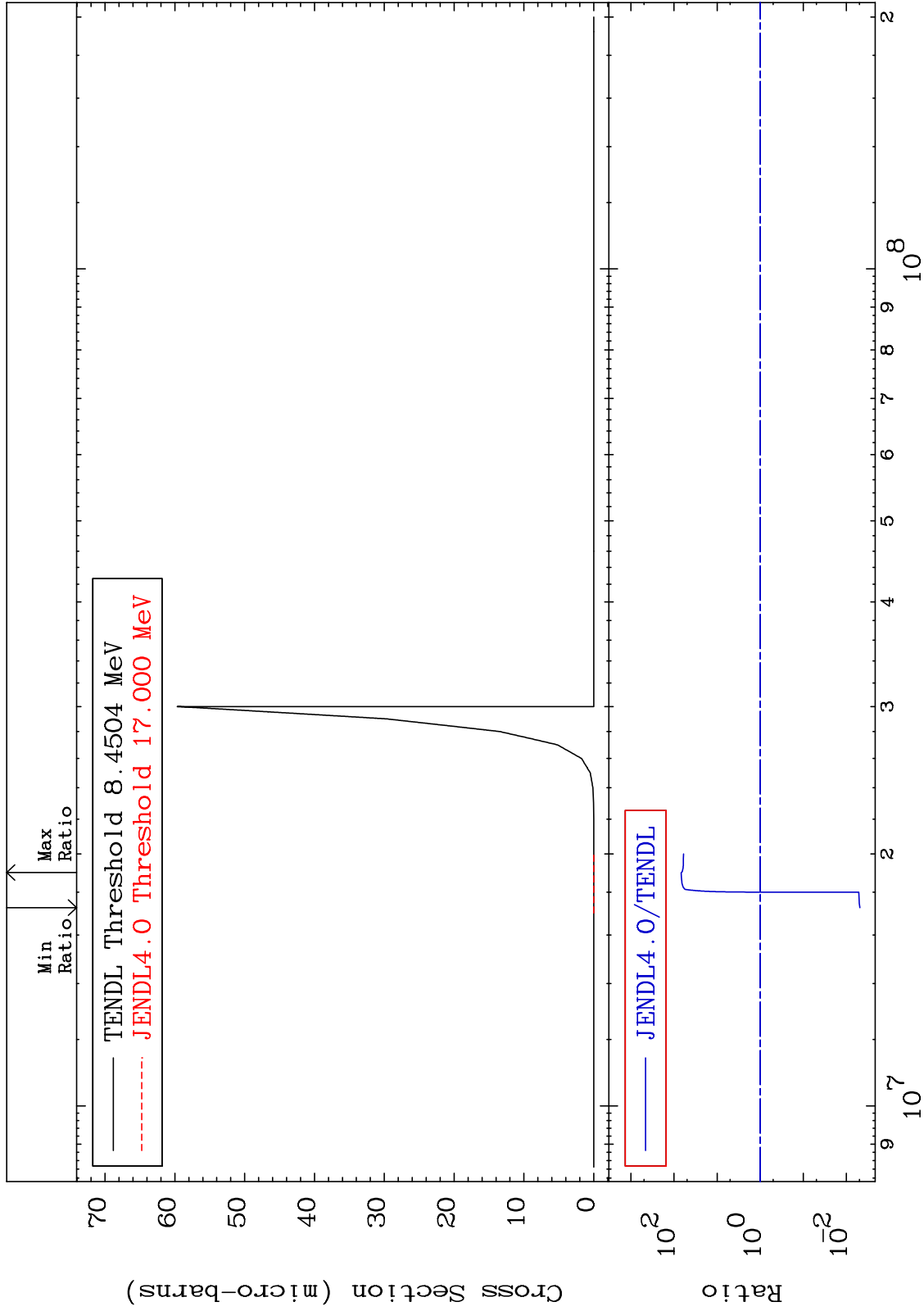
MAT 7049

(n, He-3)

70-Yb-176

Cross Section

-99.51 To 6715. %



27

Incident Energy (eV)

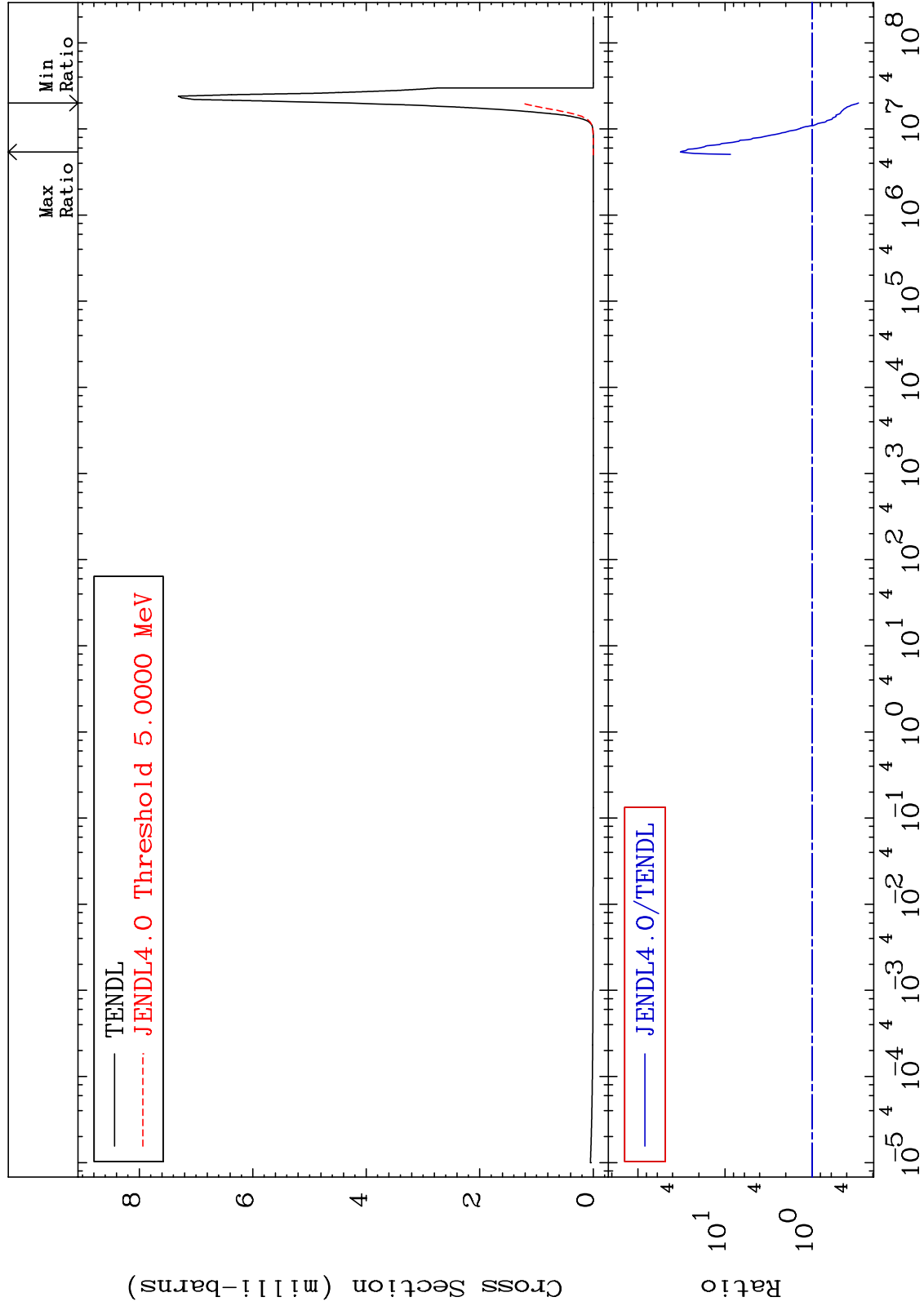
70-Yb-176

MAT 7049

(n, α)

Cross Section

70-Yb-176
-70.78 To 3150. %



28

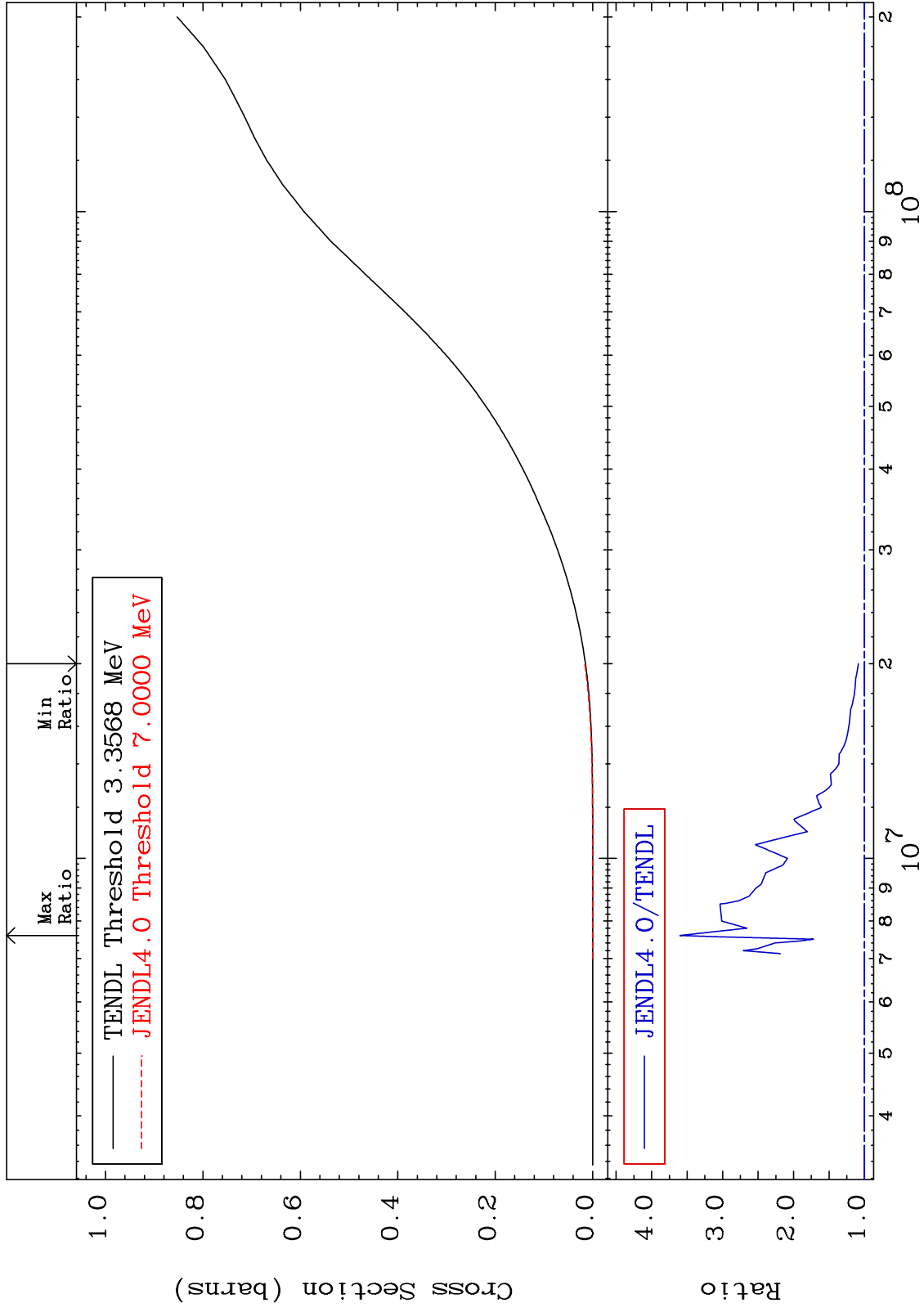
Incident Energy (eV)

70-Yb-176

MAT 7049

Hydrogen Production
Cross Section

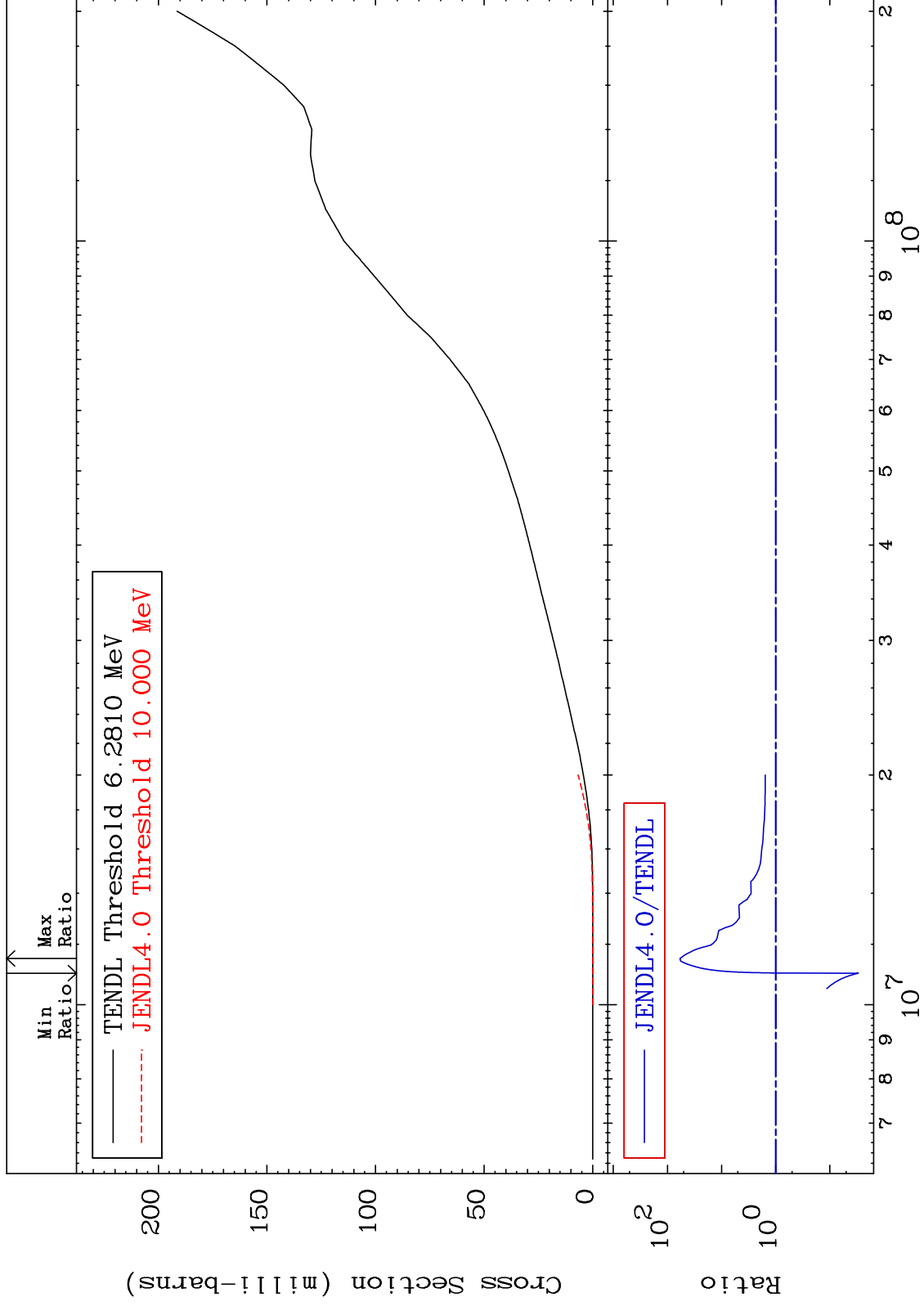
70-Yb-176
8.651 To 260.0 %



MAT 7049

Deuterium Production
Cross Section

70-Yb-176
-97.04 To 5749. %



30

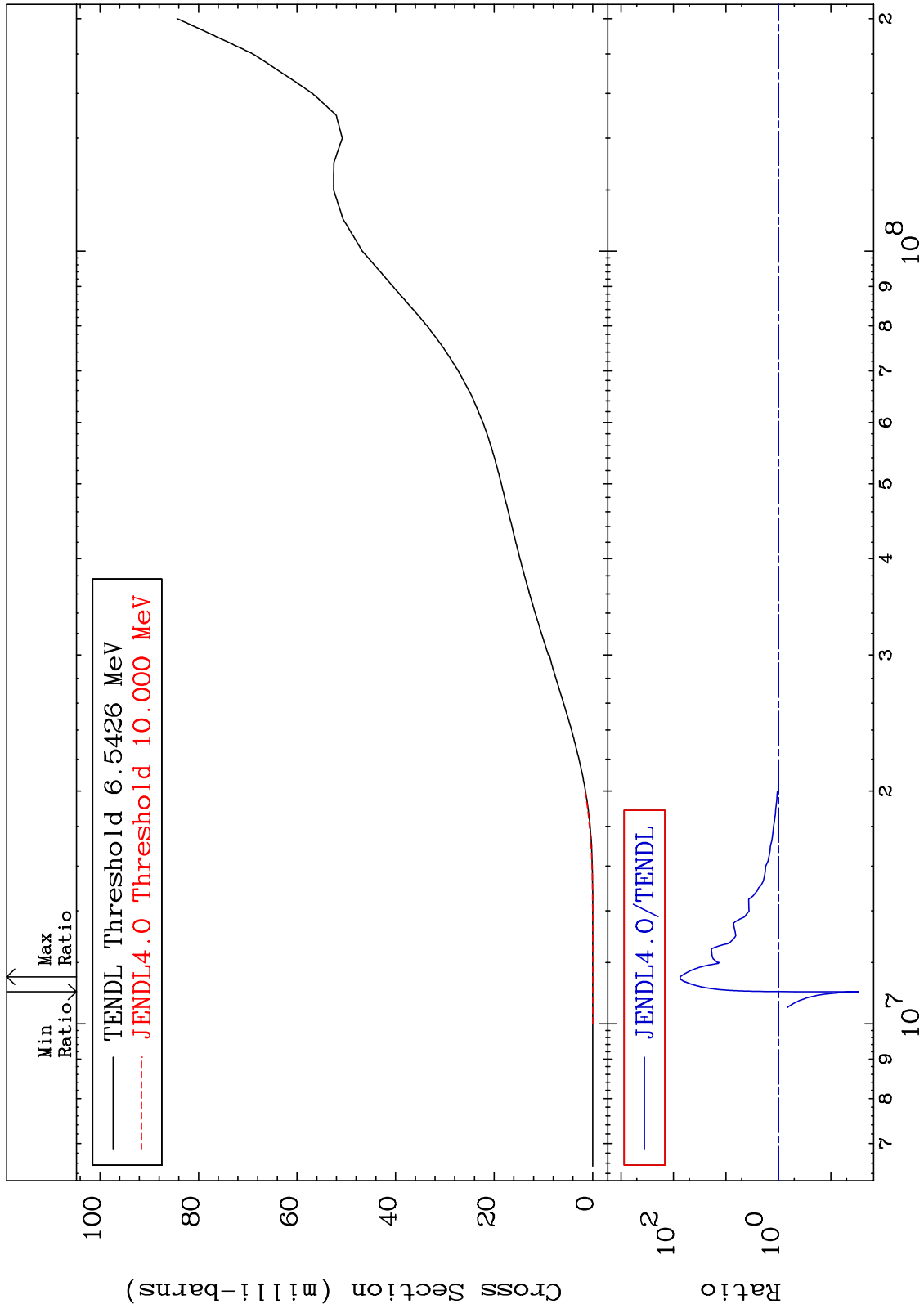
Incident Energy (eV)

70-Yb-176

MAT 7049

Tritium Production
Cross Section

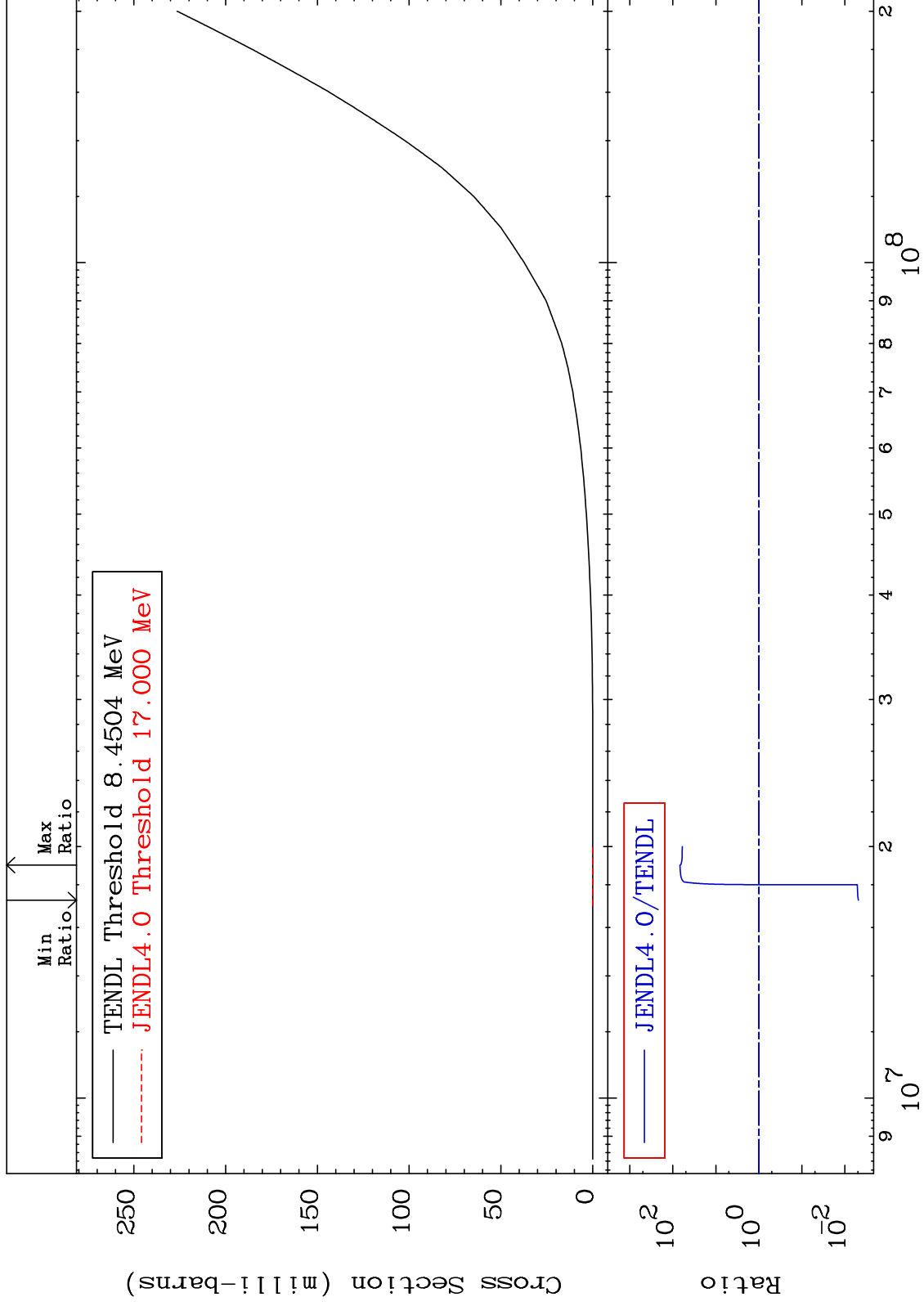
70-Yb-176
-97.01 To 7417. %



MAT 7049

He-3 Production
Cross Section

70-Yb-176
-99.51 To 6715. %



32

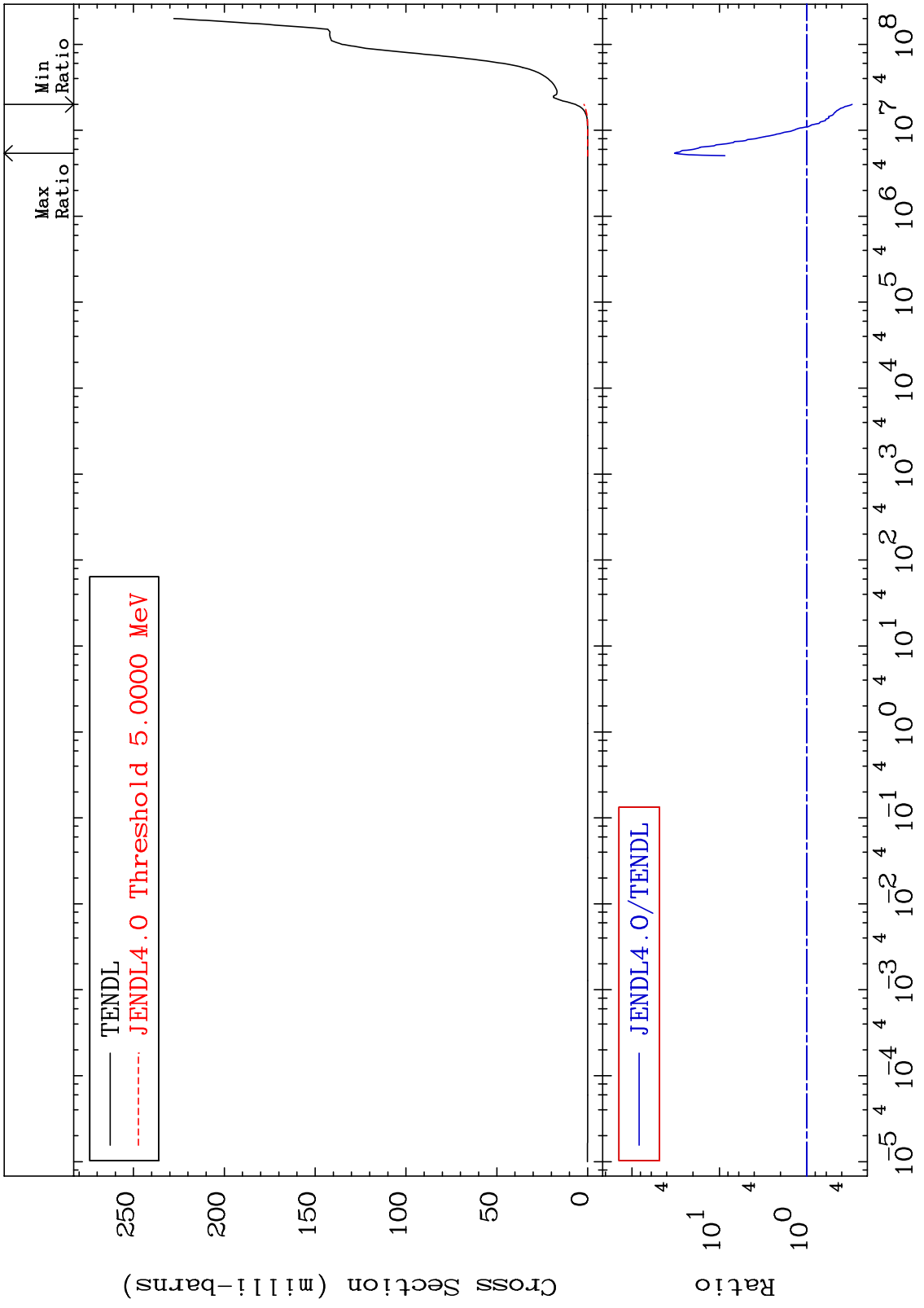
Incident Energy (eV)

70-Yb-176

MAT 7049

He-4 Production
Cross Section

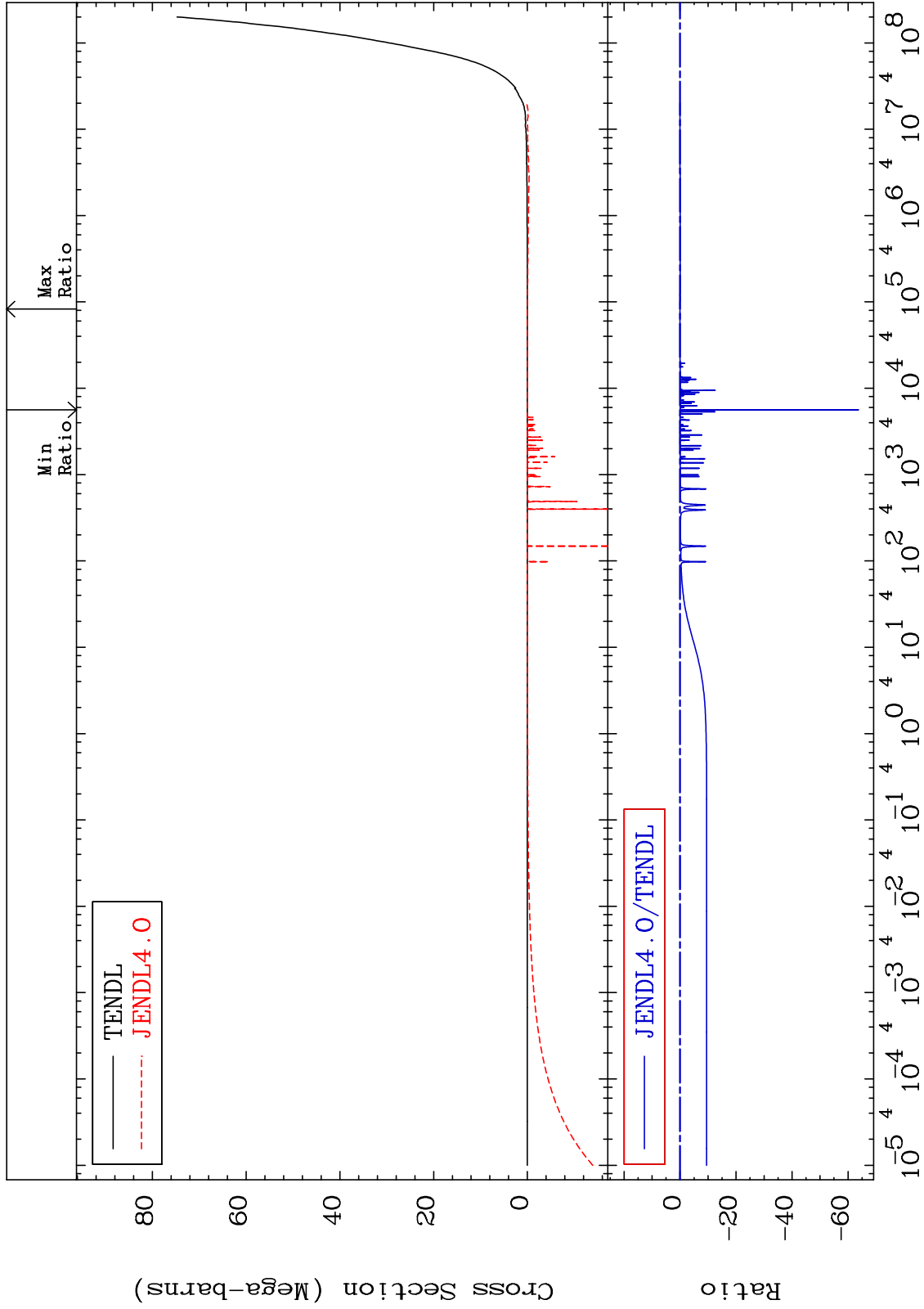
70-Yb-176
-69.69 To 3150. %



MAT 7049

Kerma total (eV-barns)
Cross Section

70-Yb-176
-9999. To 1067. %



34

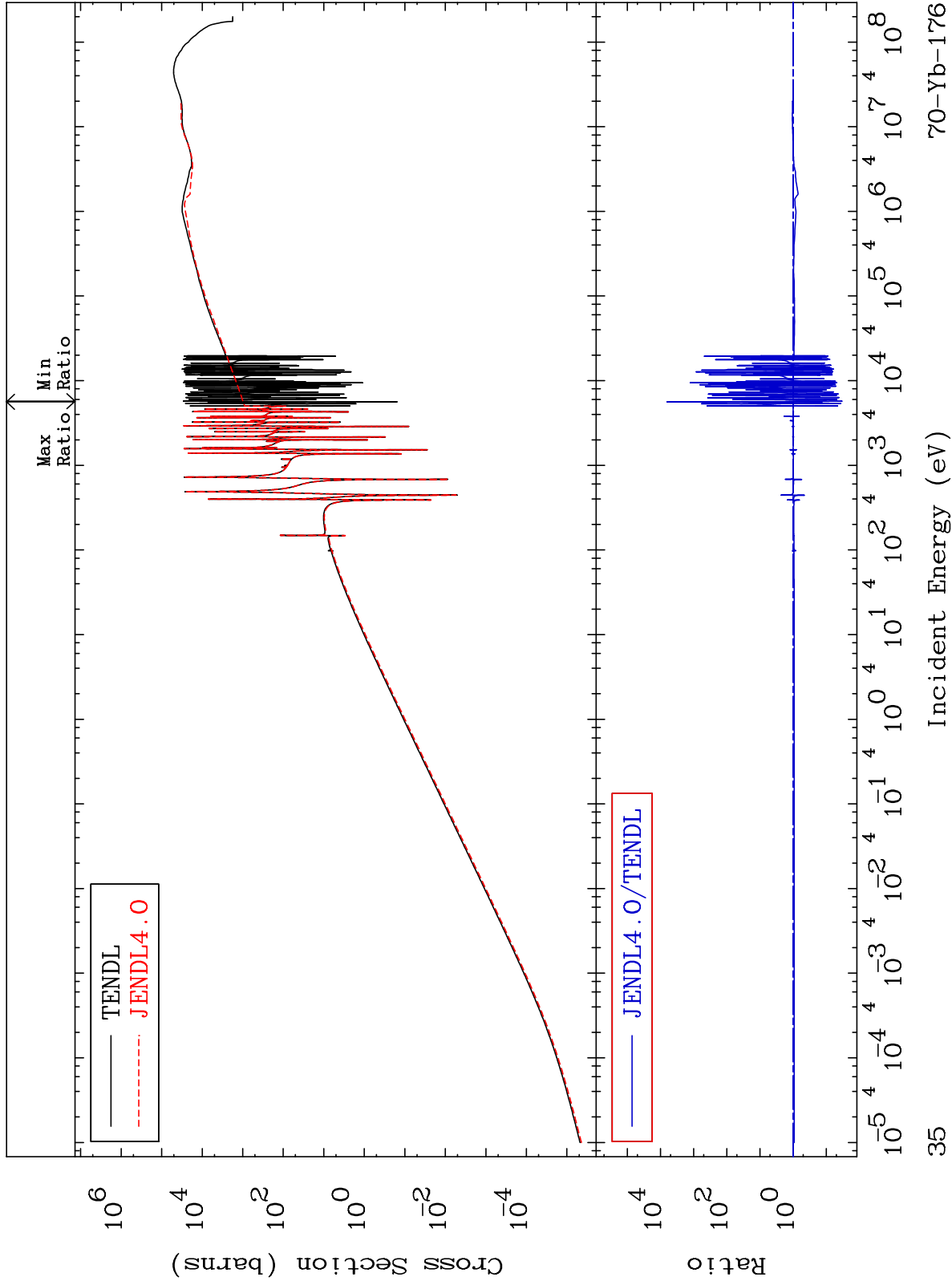
Incident Energy (eV)

70-Yb-176

MAT 7049

Kerma elastic
Cross Section

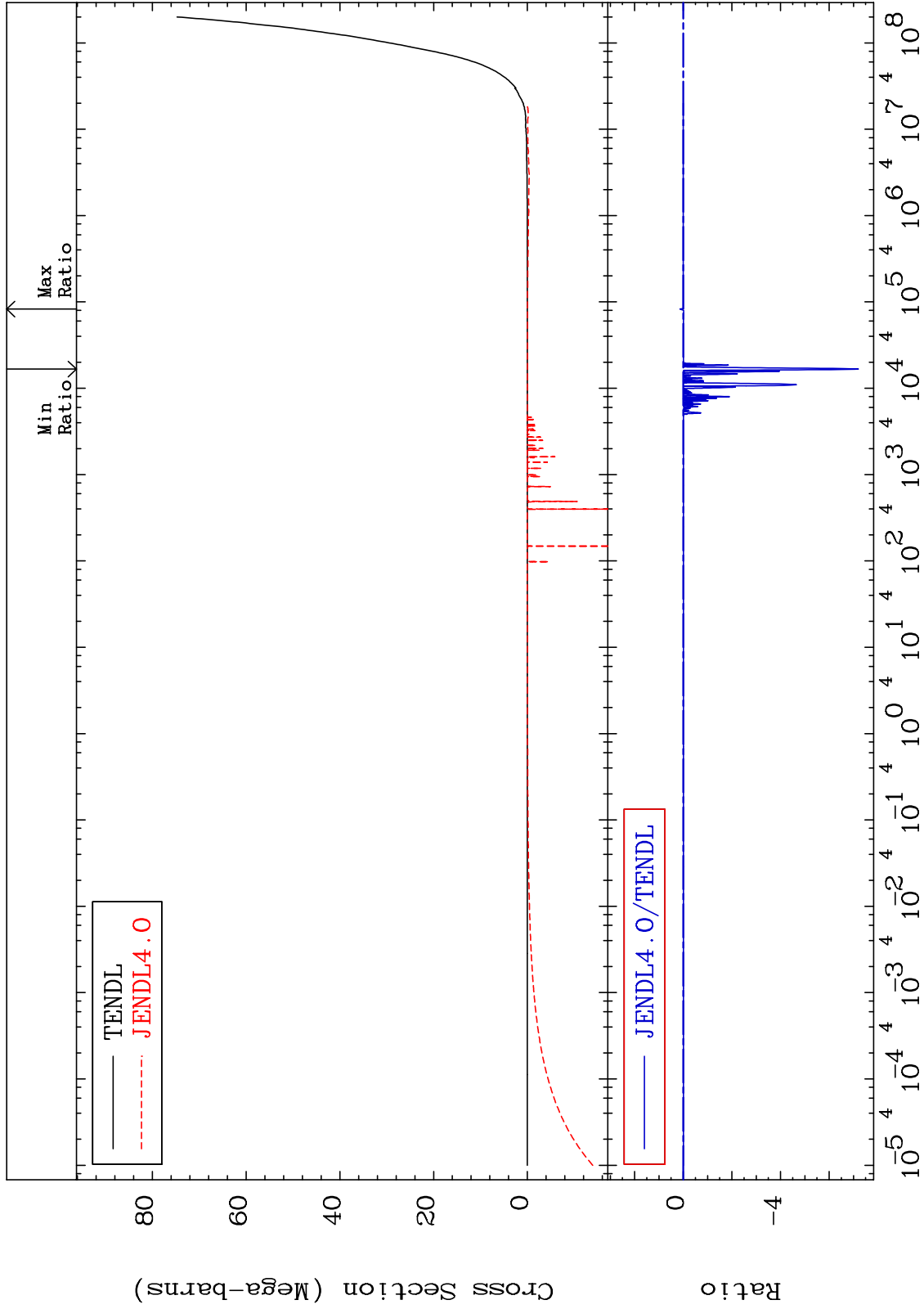
70-Yb-176
-96.61 To 9999. %



MAT 7049

Kerma non-elastic (all but mt2)
Cross Section

70-Yb-176
-9999. To 9999. %



36

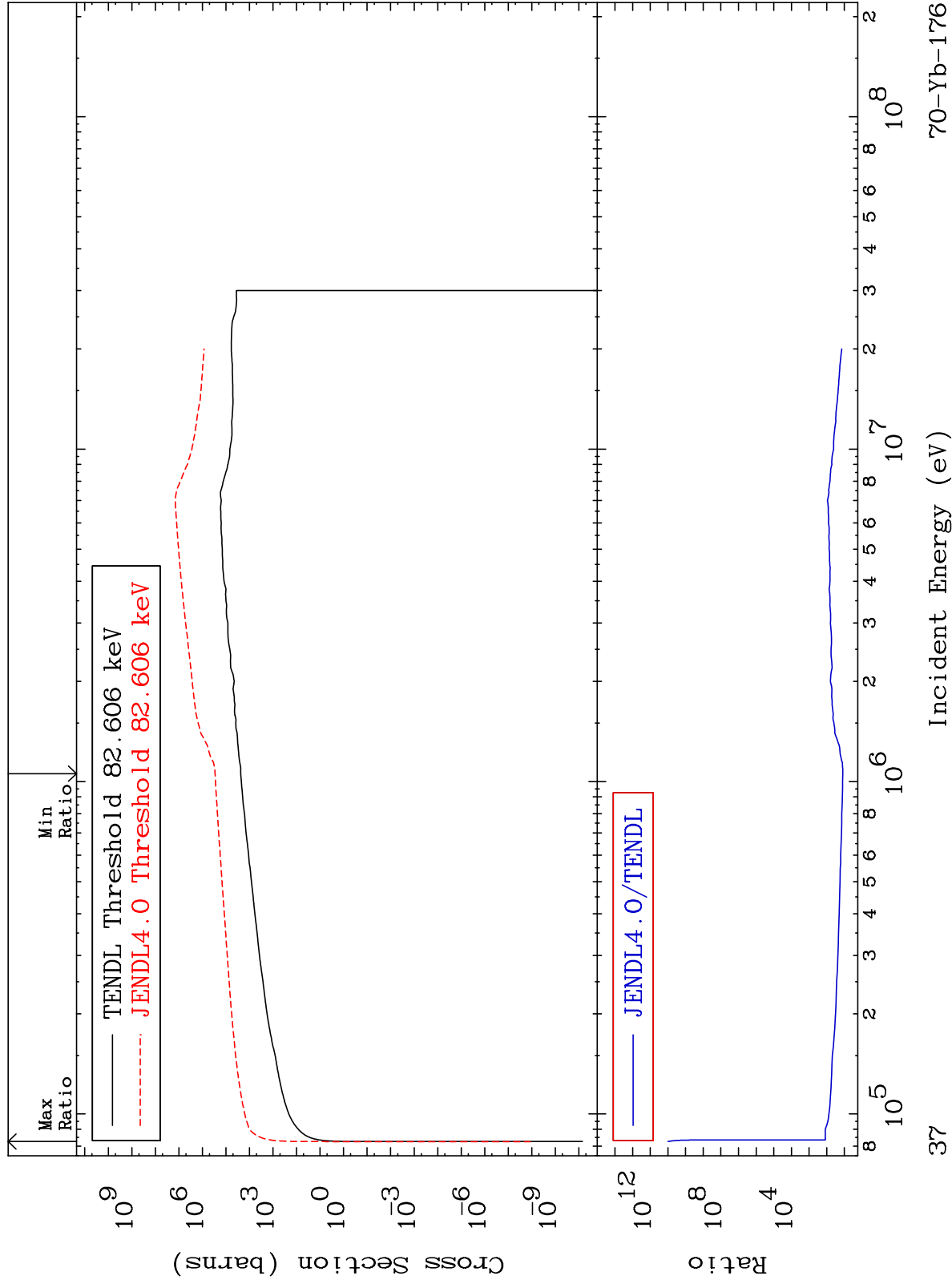
Incident Energy (eV)

70-Yb-176

MAT 7049

Kerma inelastic (mt51-91)
Cross Section

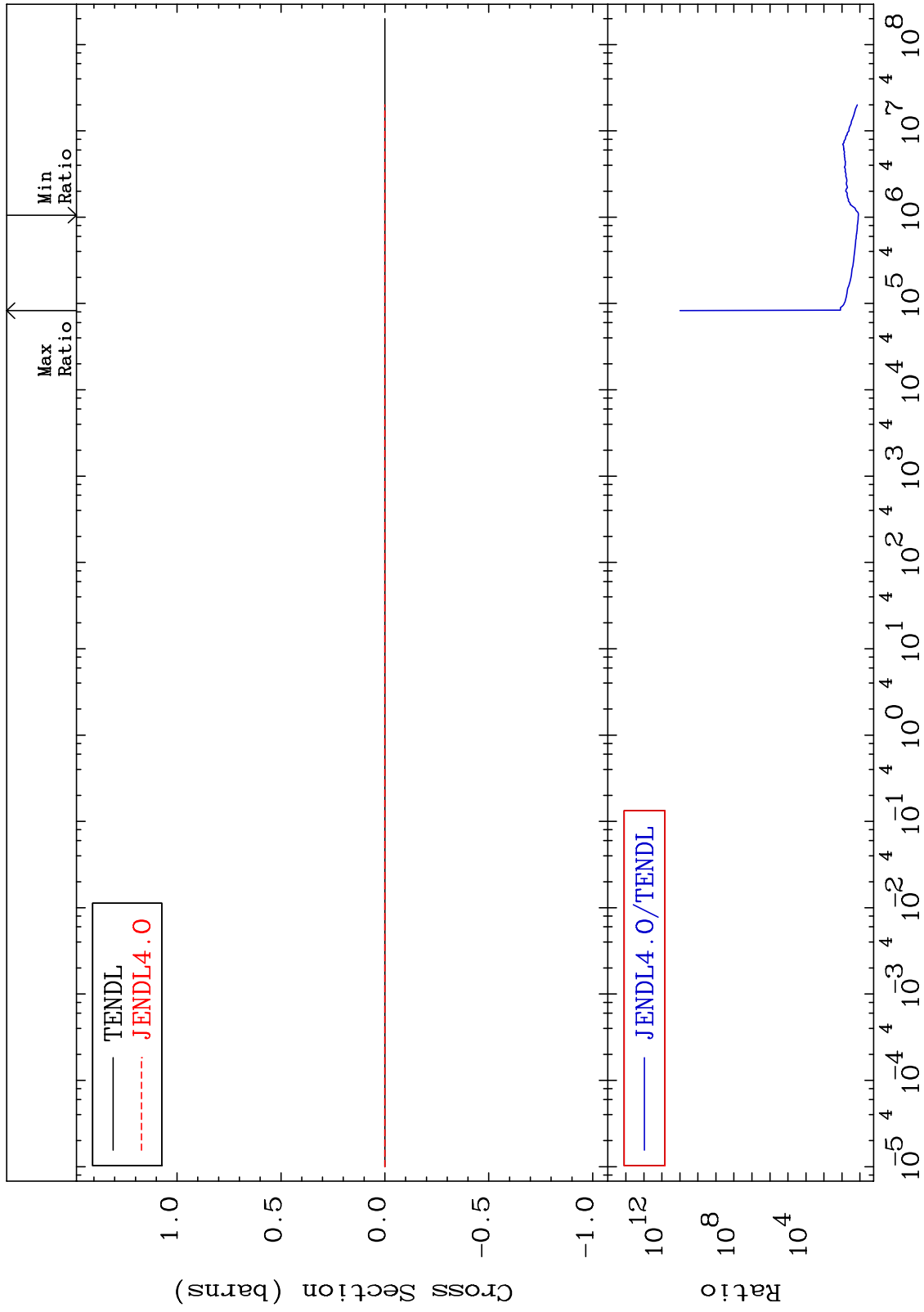
70-Yb-176
1125. To 9999. %



MAT 7049

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

70-Yb-176
1125. To 9999. %



38

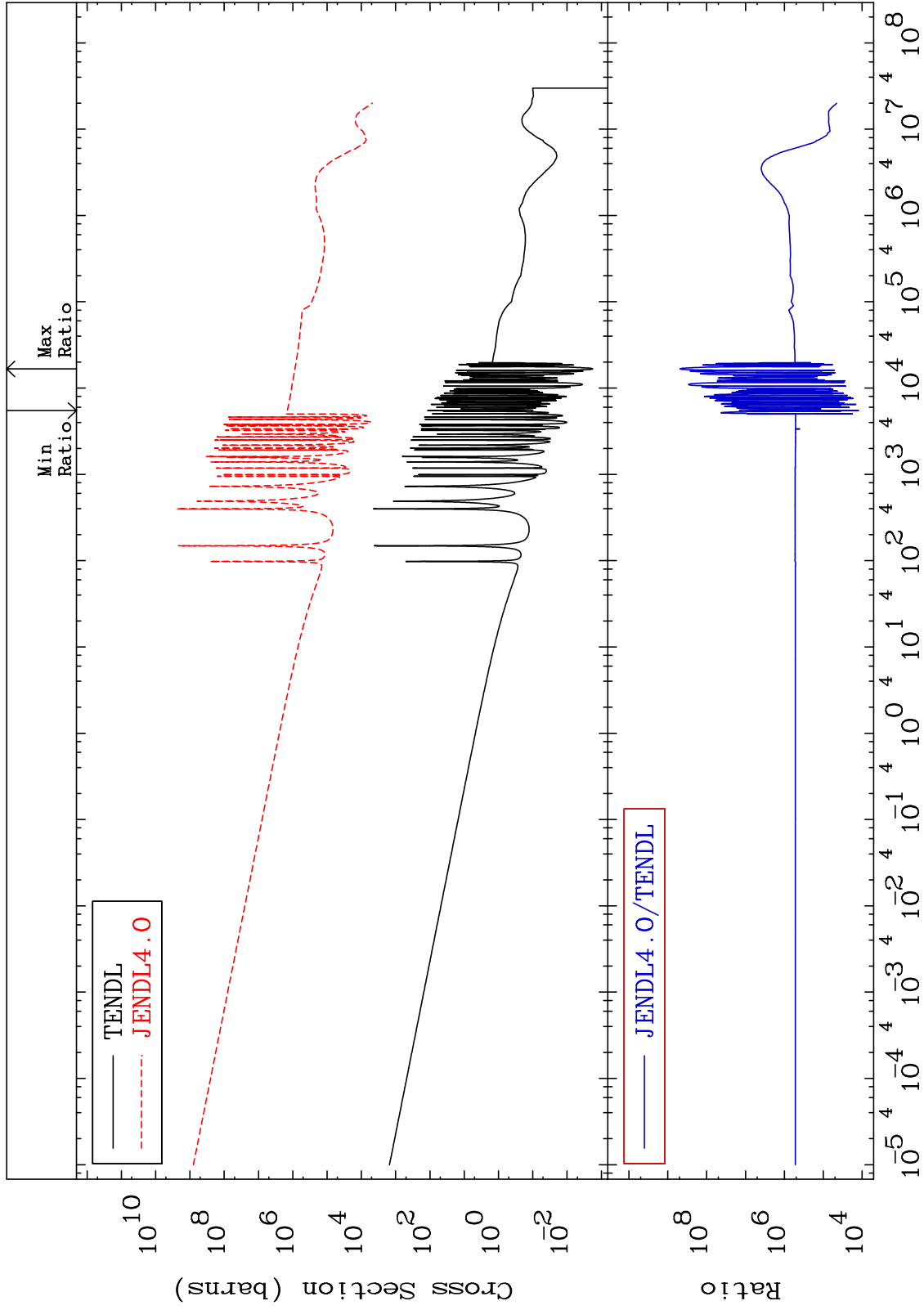
Incident Energy (eV)

70-Yb-176

MAT 7049

Kerma capture (mt102)
Cross Section

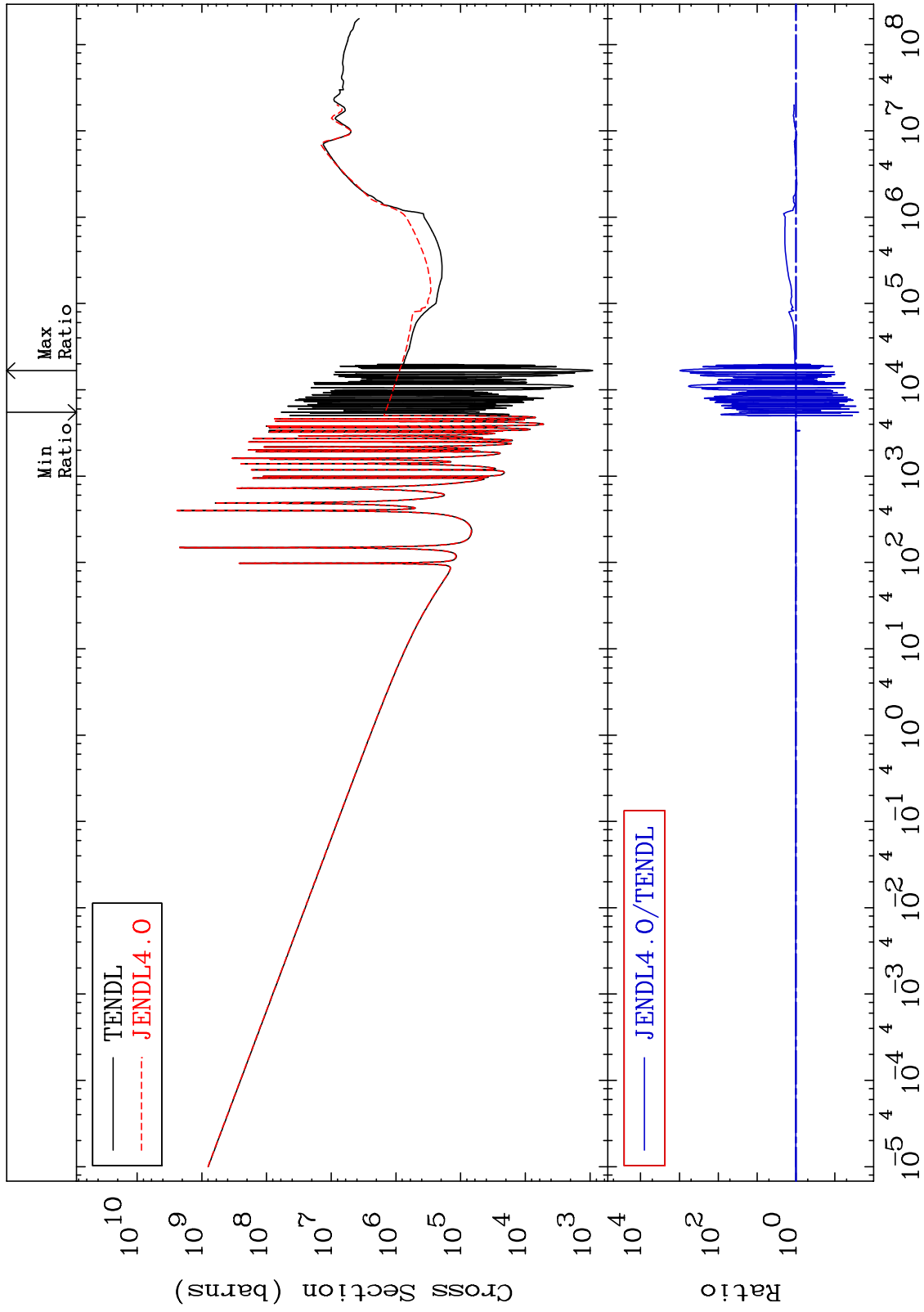
70-Yb-176
9999. To 9999. %



MAT 7049

Total photon (eV-barns)
Cross Section

70-Yb-176
-97.52 To 9999. %



40

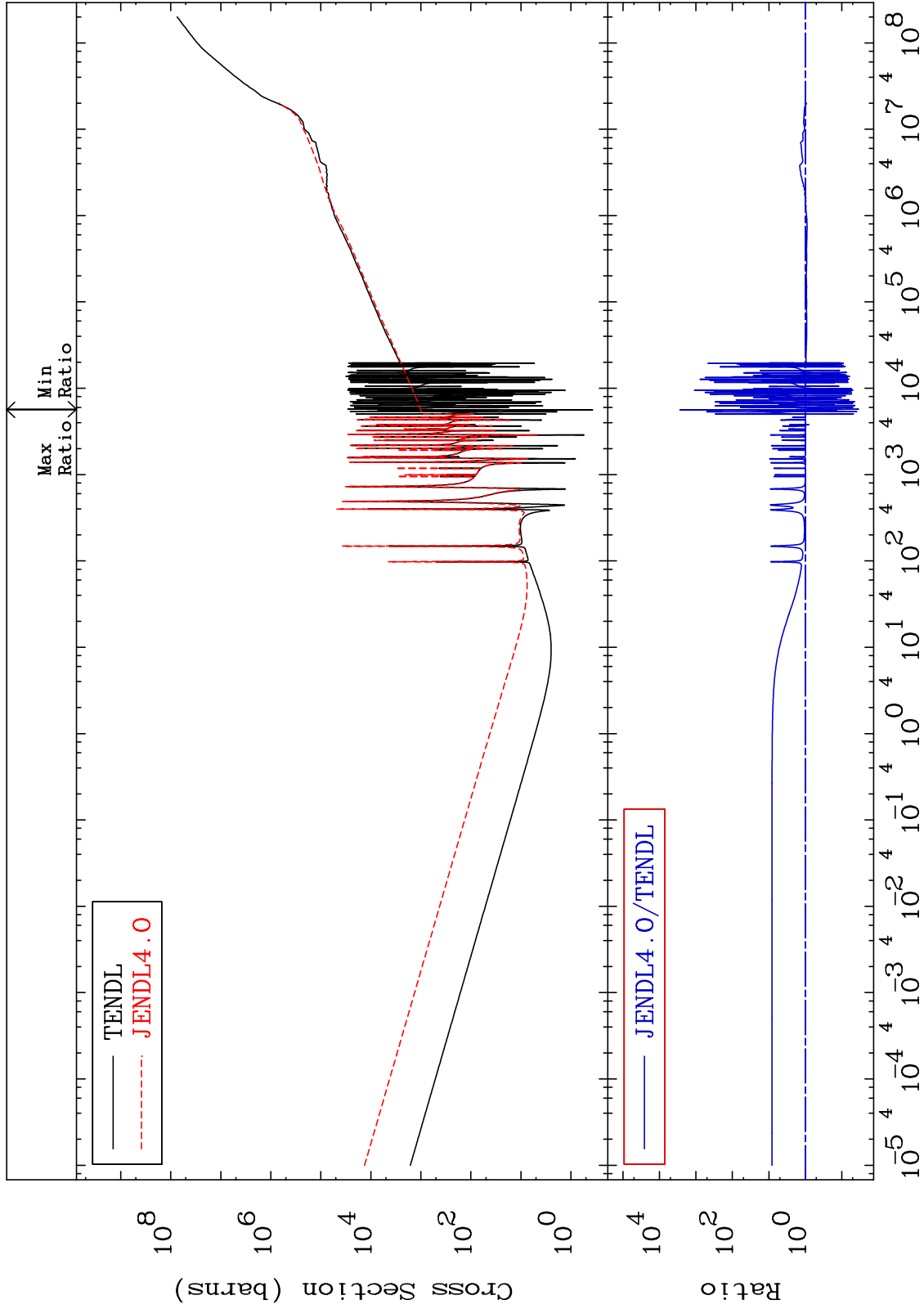
Incident Energy (eV)

70-Yb-176

MAT 7049

Total kinematic kerma (high limit)
Cross Section

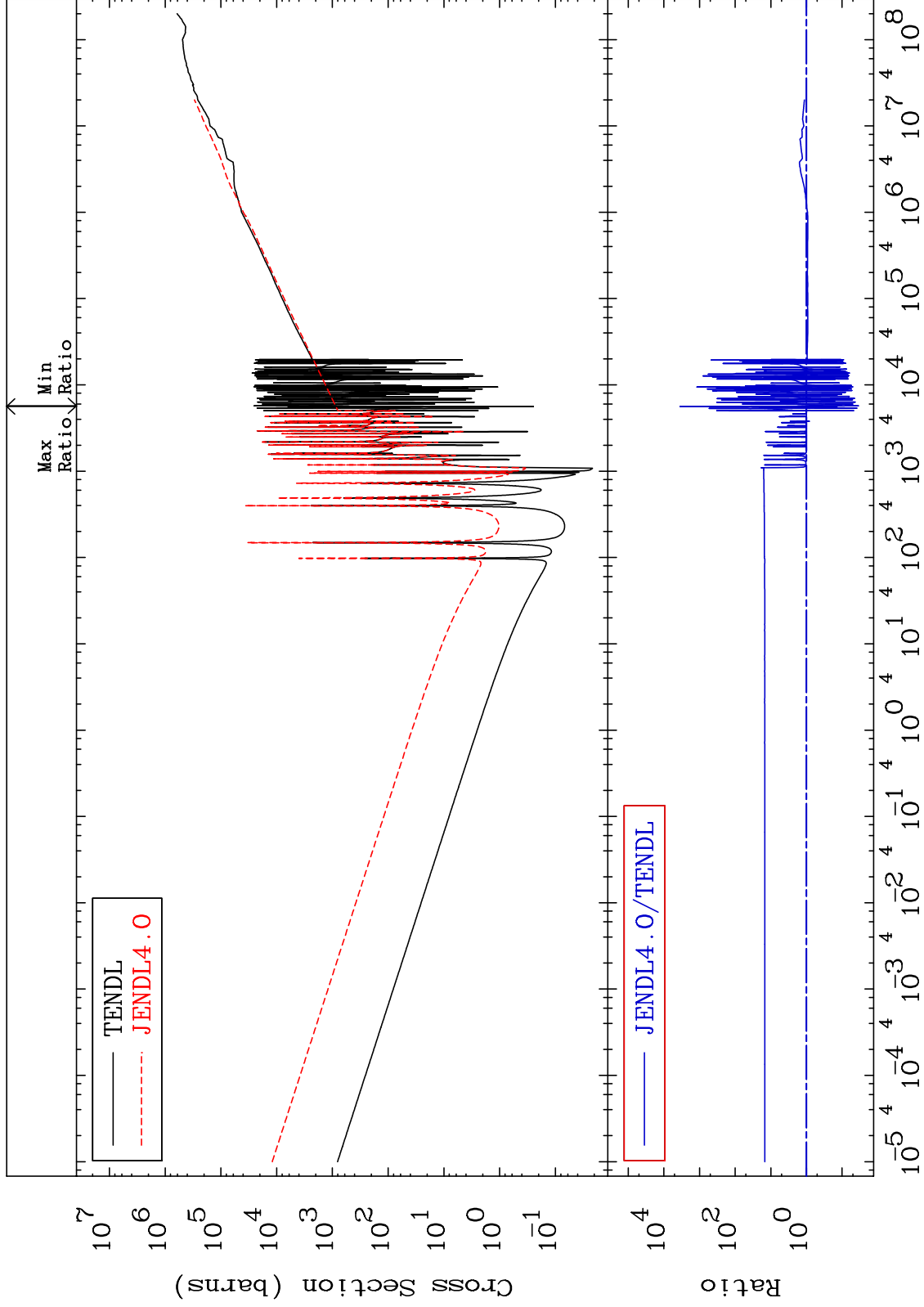
70-Yb-176
-96.50 To 9999. %



MAT 7049

Dpa total (eV-barns)
Cross Section

70-Yb-176
-96.51 To 9999. %



42

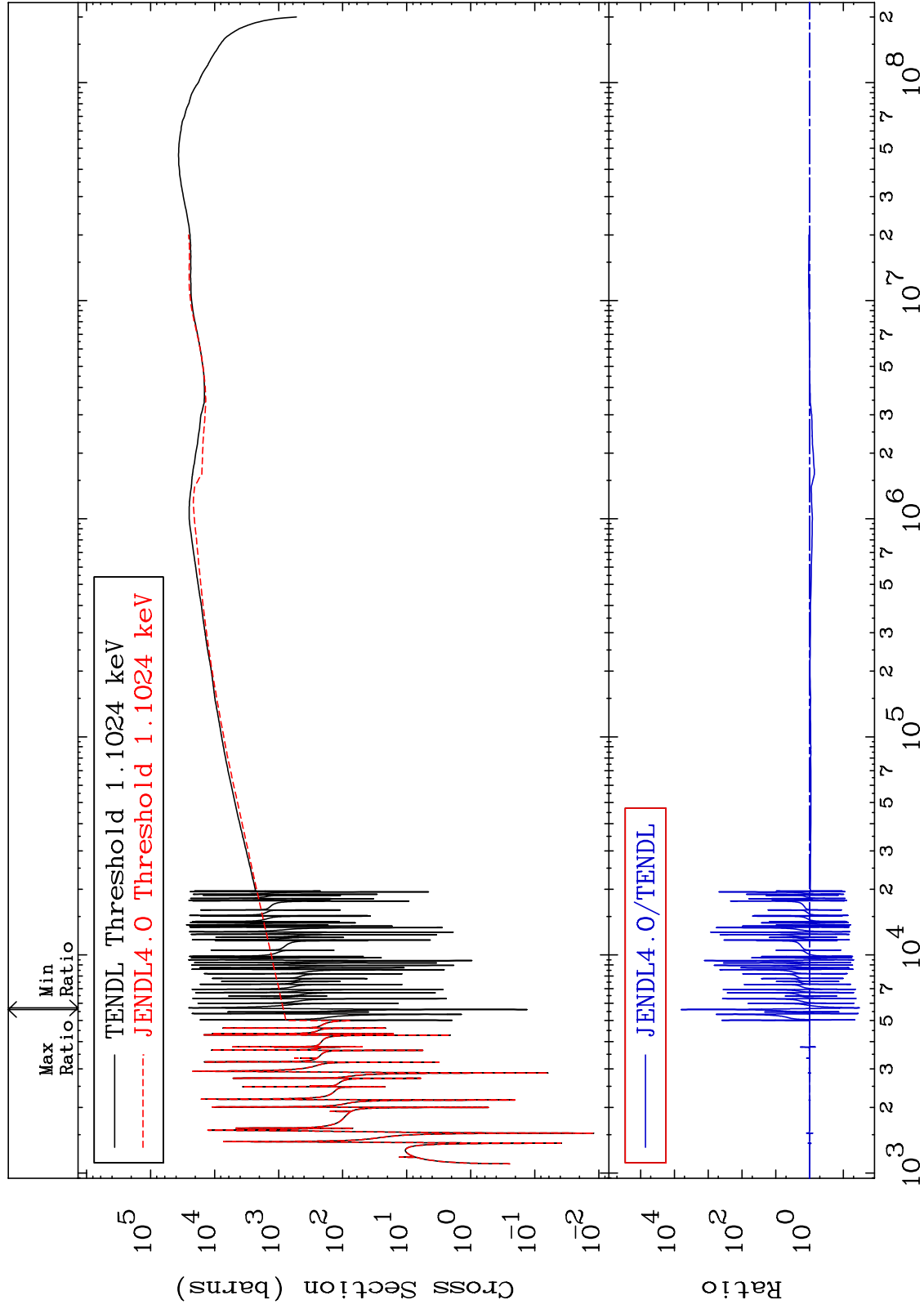
Incident Energy (eV)

70-Yb-176

MAT 7049

Dpa elastic (mt2)
Cross Section

70-Yb-176
-96.62 To 9999. %



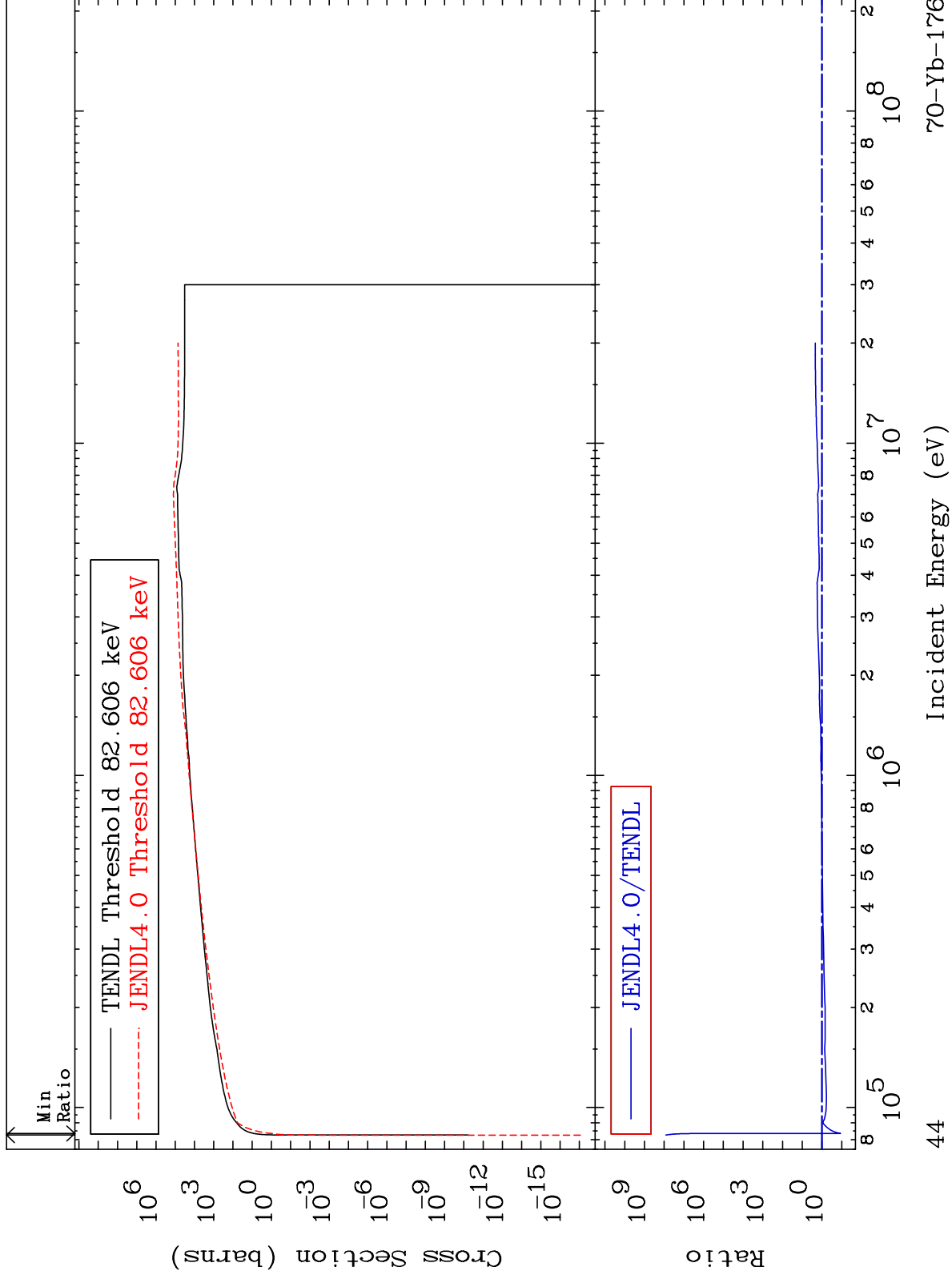
43

70-Yb-176

MAT 7049

Dpa inelastic (mt51-91)
Cross Section

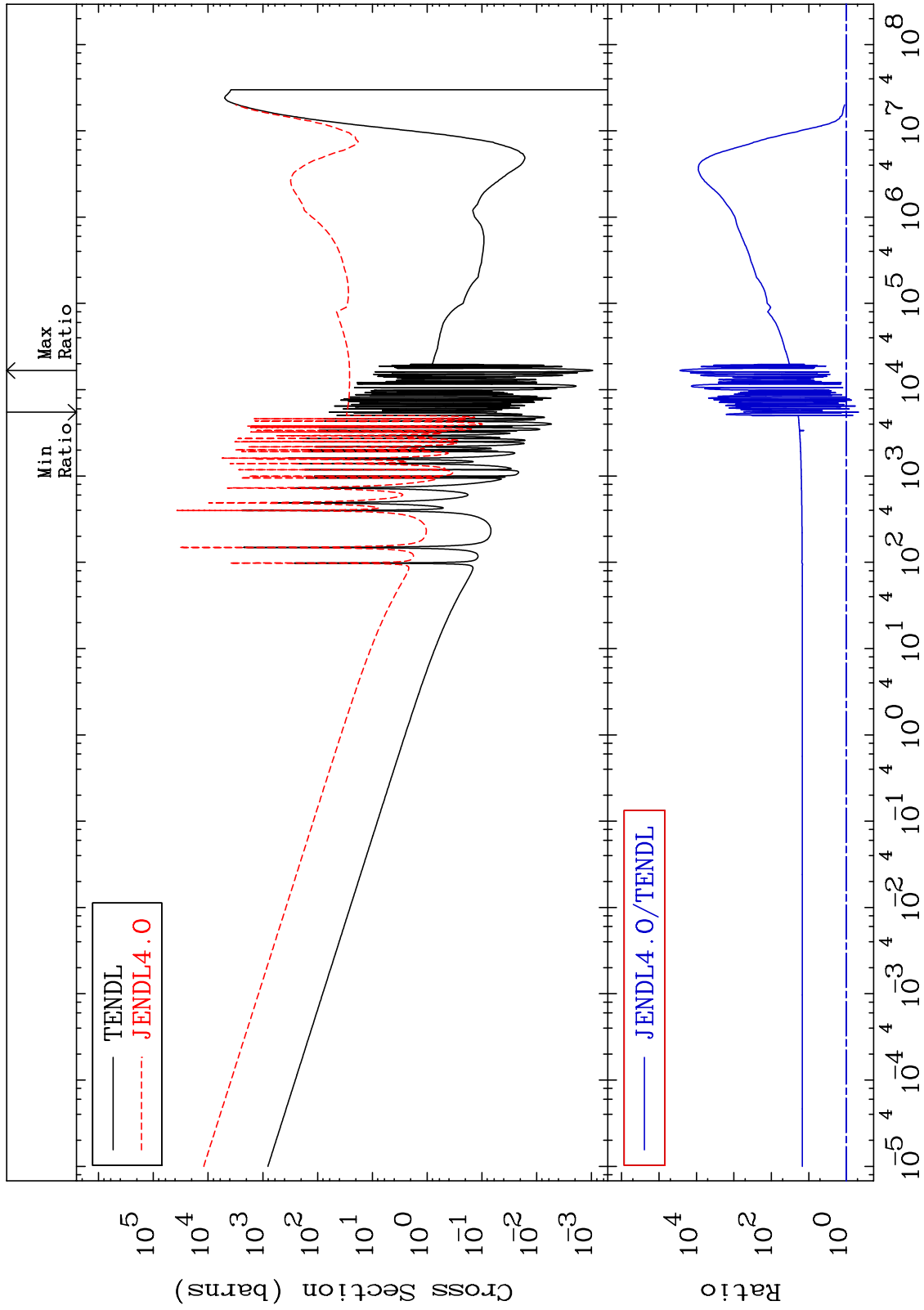
70-Yb-176
-88.54 To 9999. %

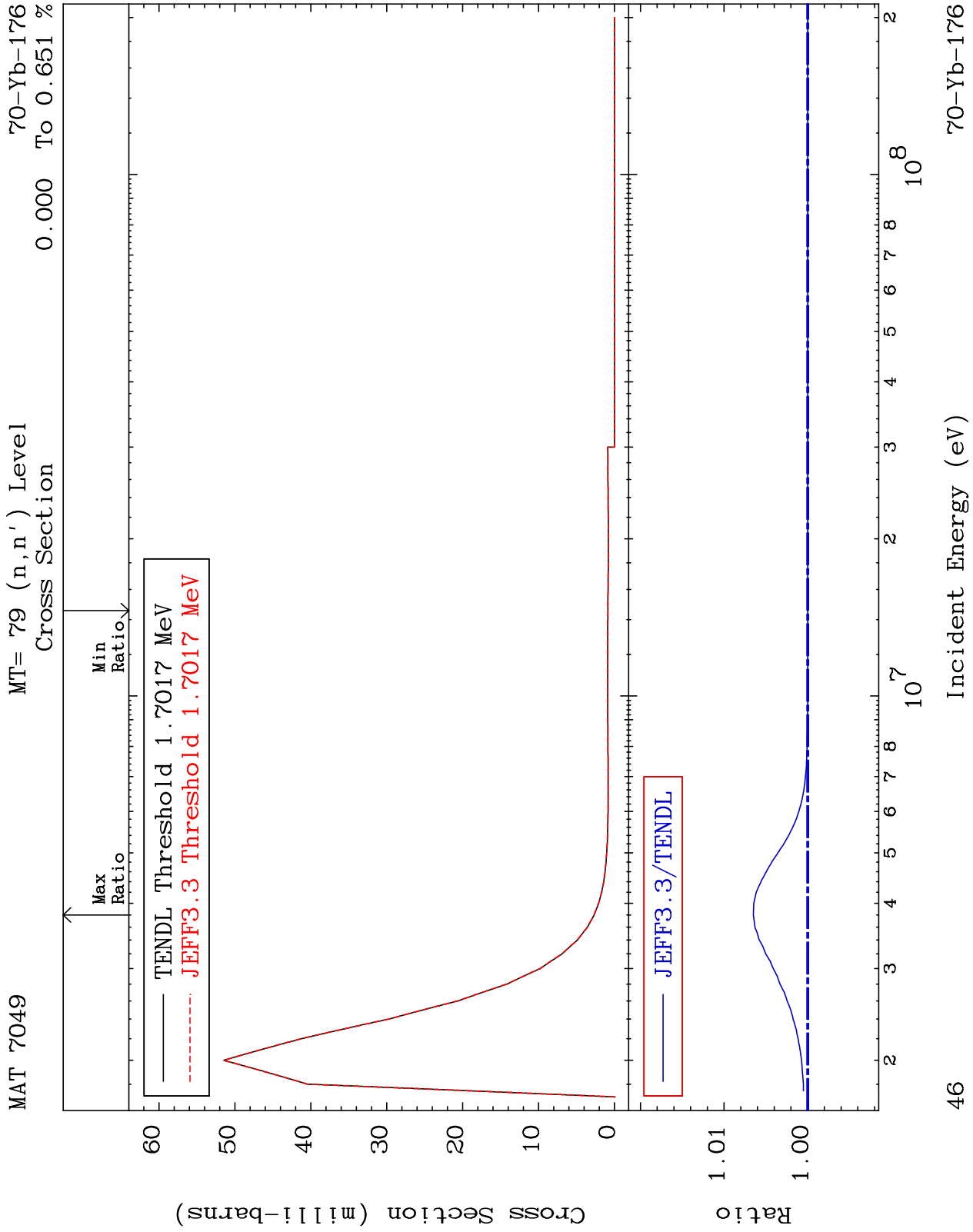


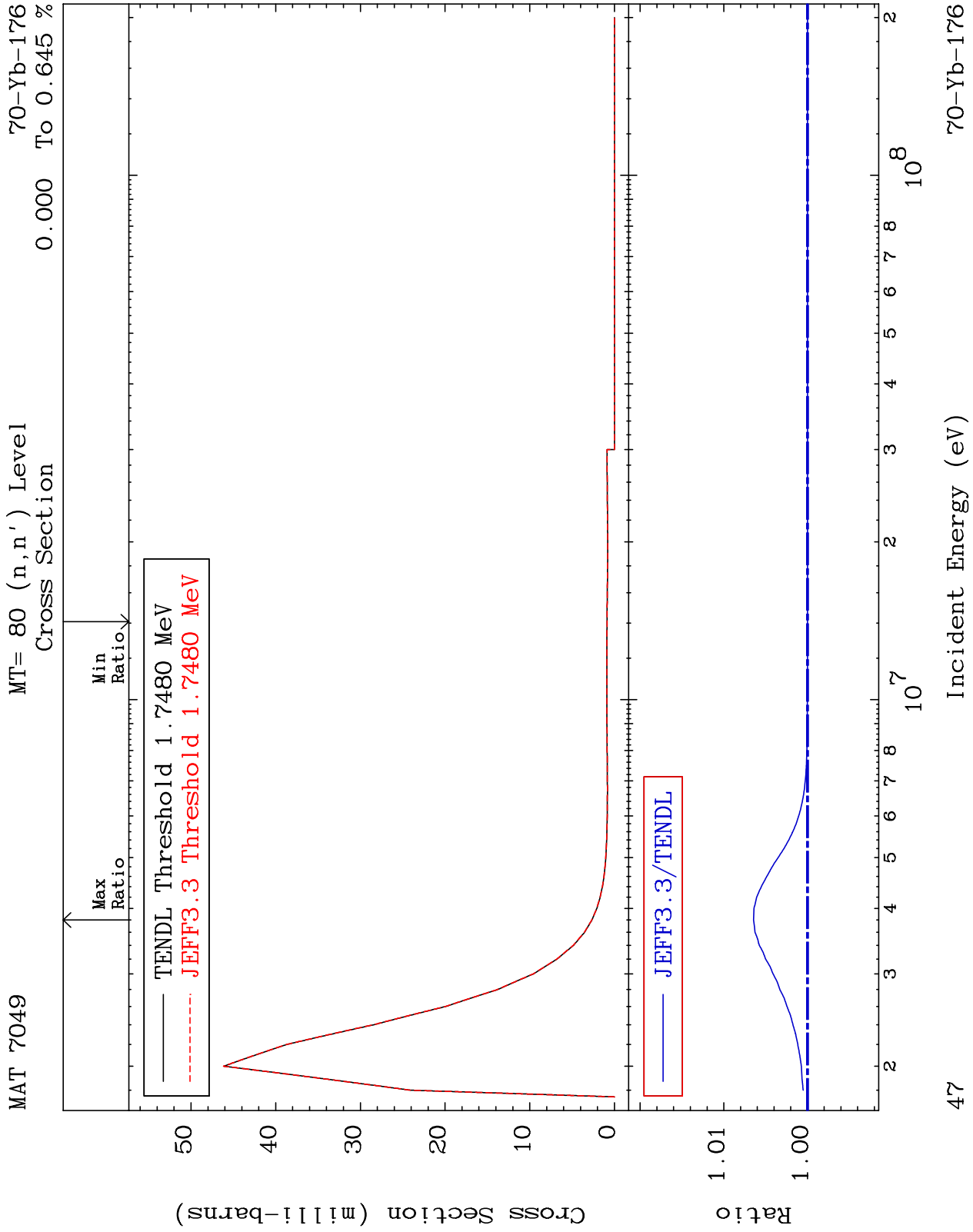
MAT 7049

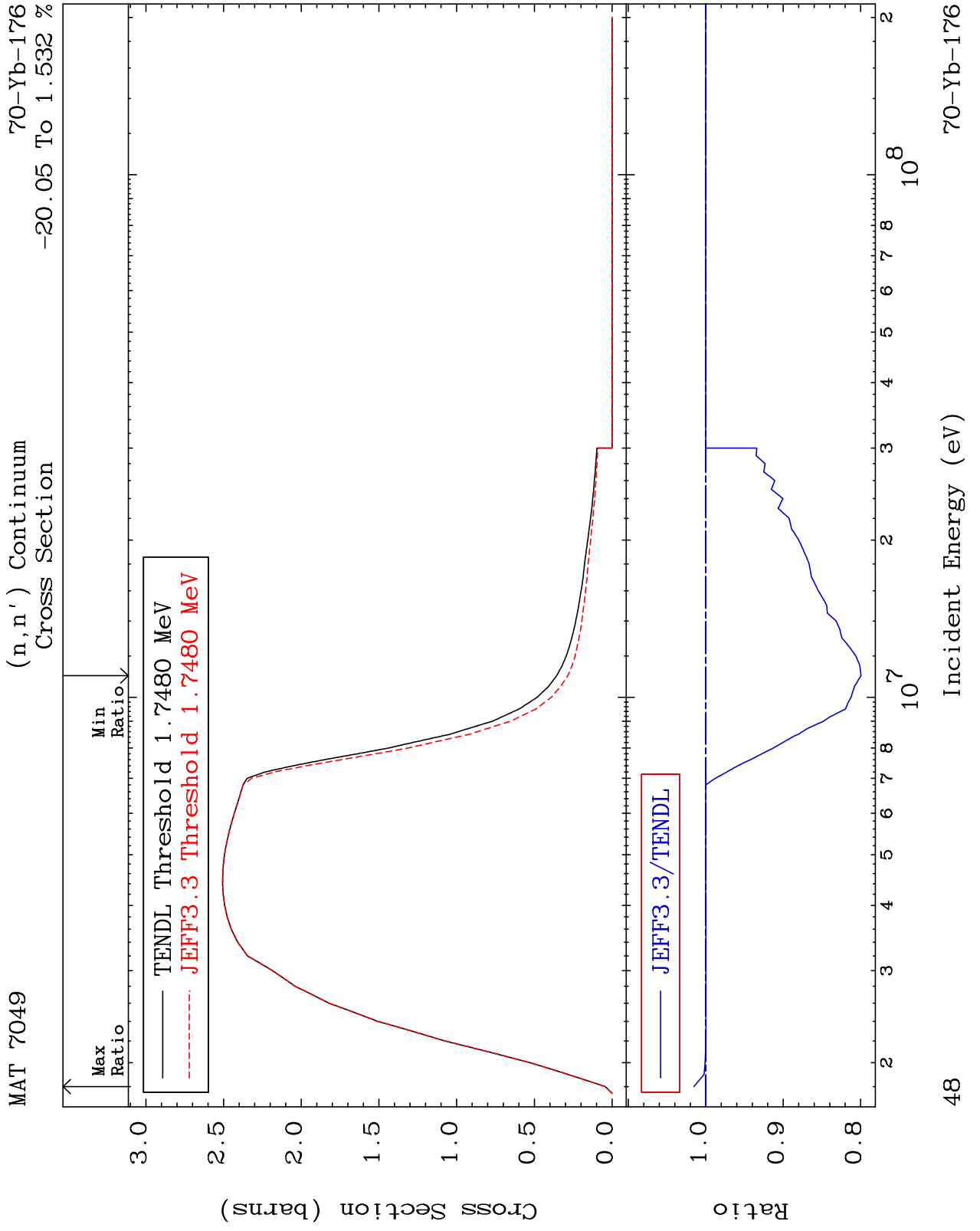
Dpa disappearance (mt102 -120)
Cross Section

70-Yb-176
-52.81 To 9999. %







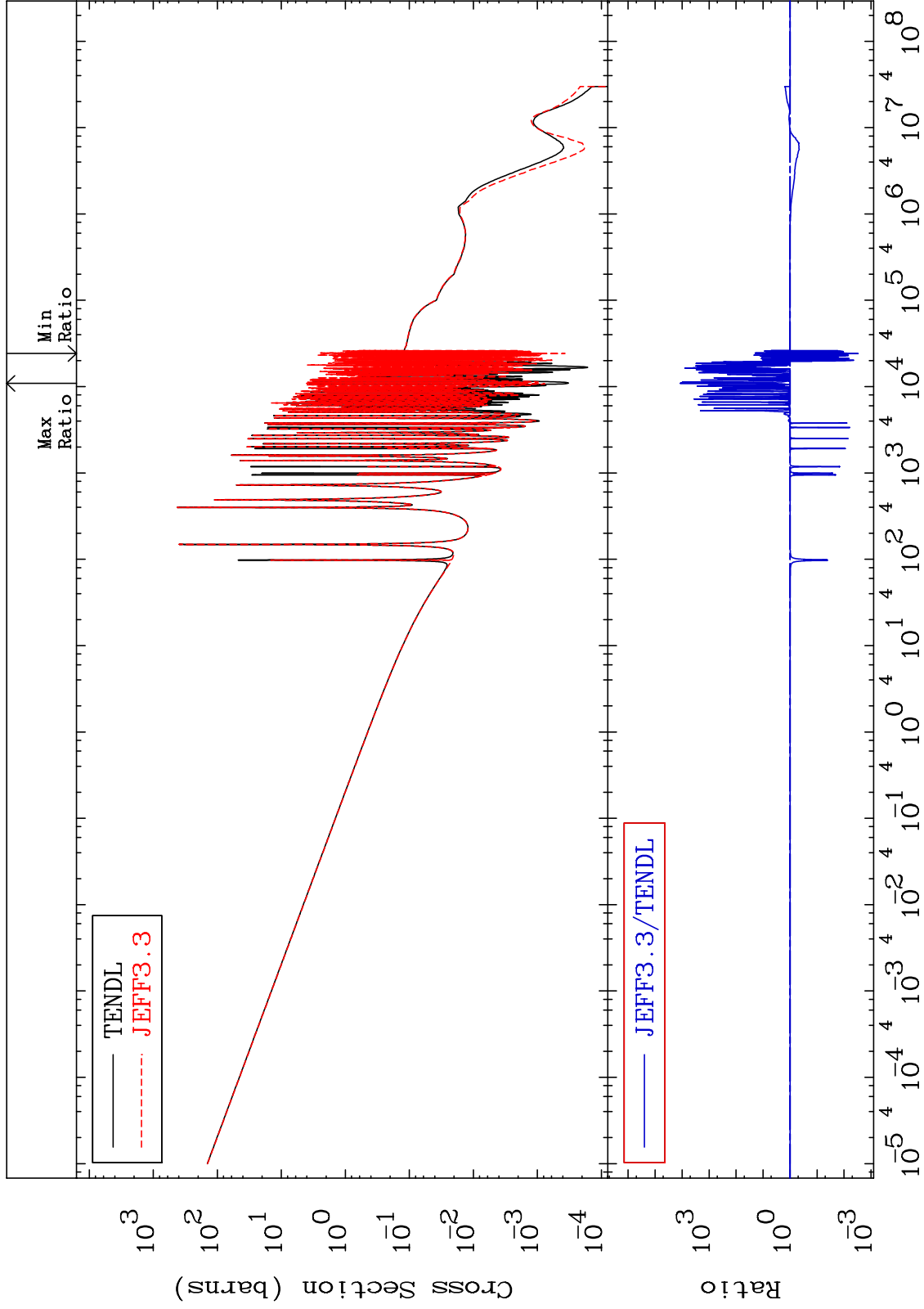


MAT 7049

(n, γ)

70-Yb-176
-99.71 To 9999. %

Cross Section

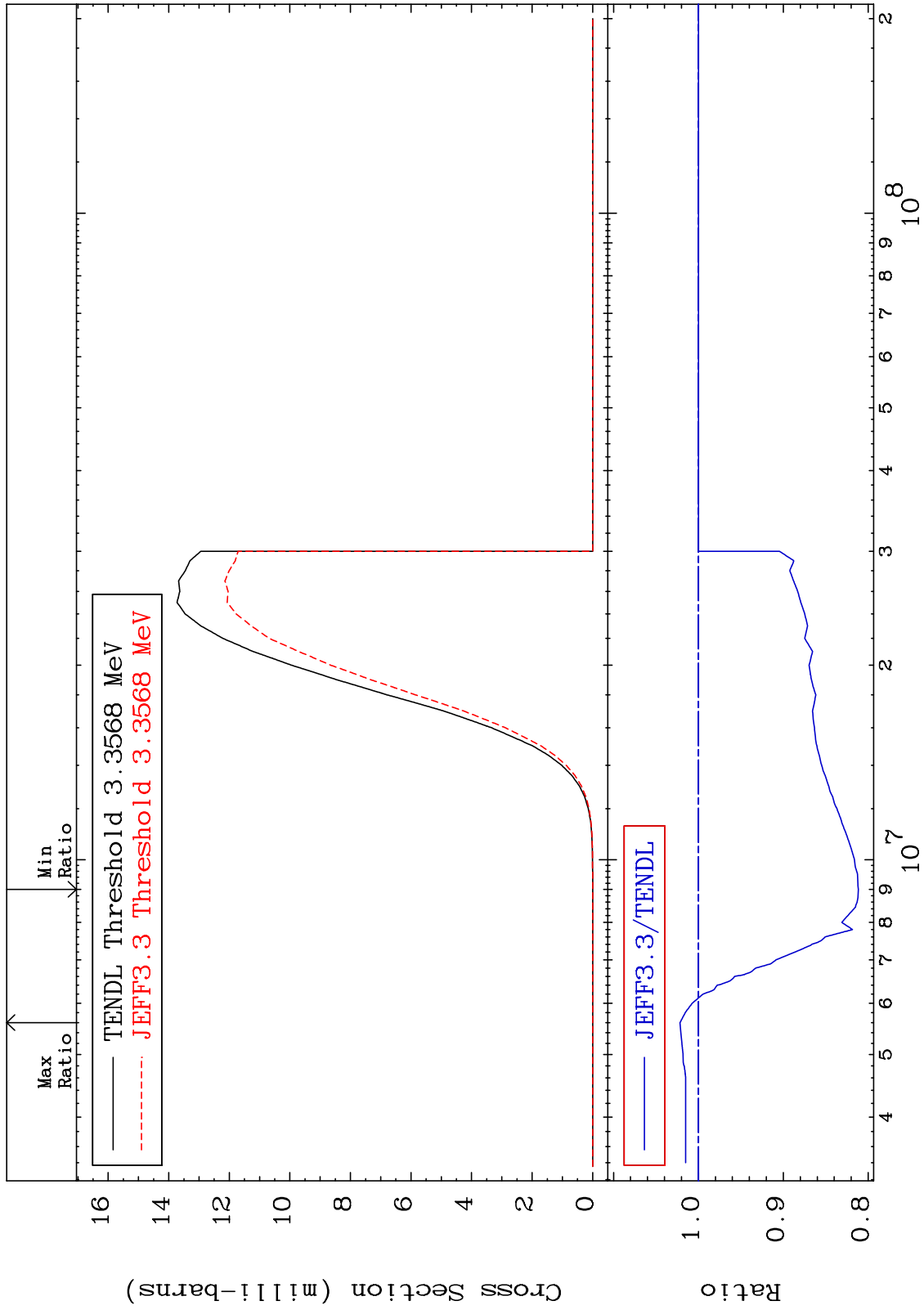


Incident Energy (eV)

70-Yb-176

49

MAT 7049 (n,p) Cross Section 70-Yb-176 -18.85 To 2.171 %



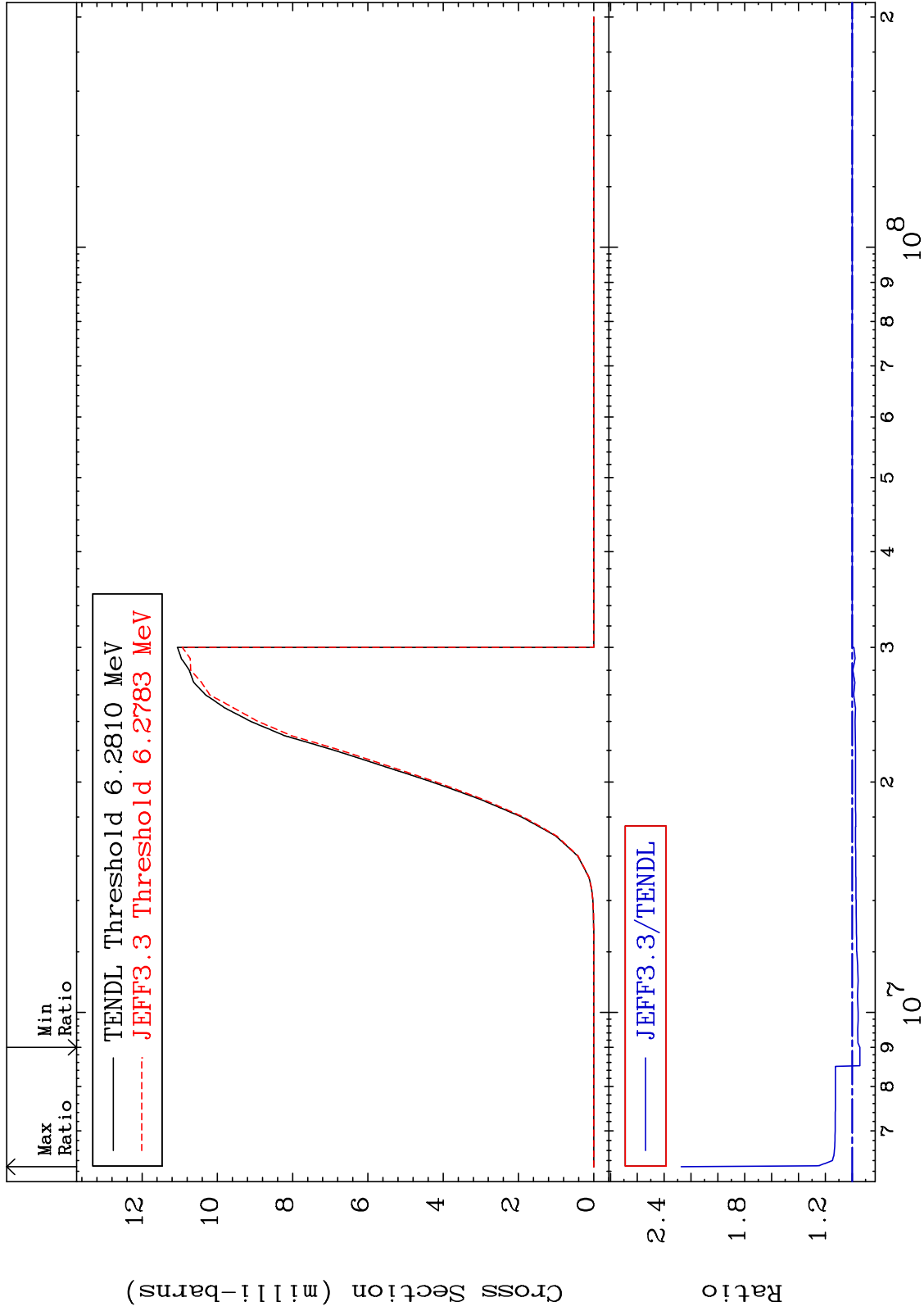
MAT 7049

(n, d)

70-Yb-176

Cross Section

-5.726 To 127.3 %



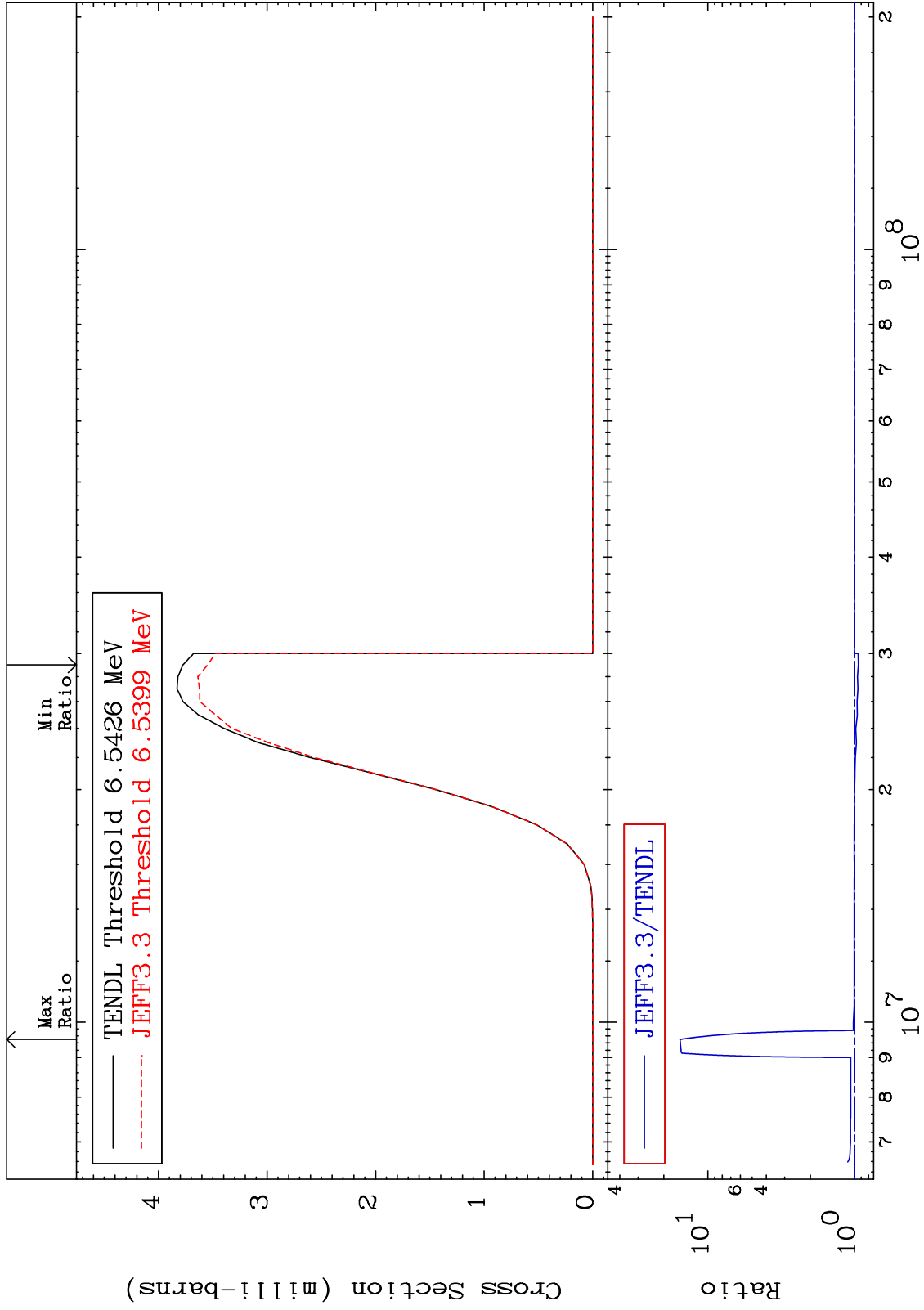
MAT 7049

(n, t)

70-Yb-176

Cross Section

-6.021 To 1452. %



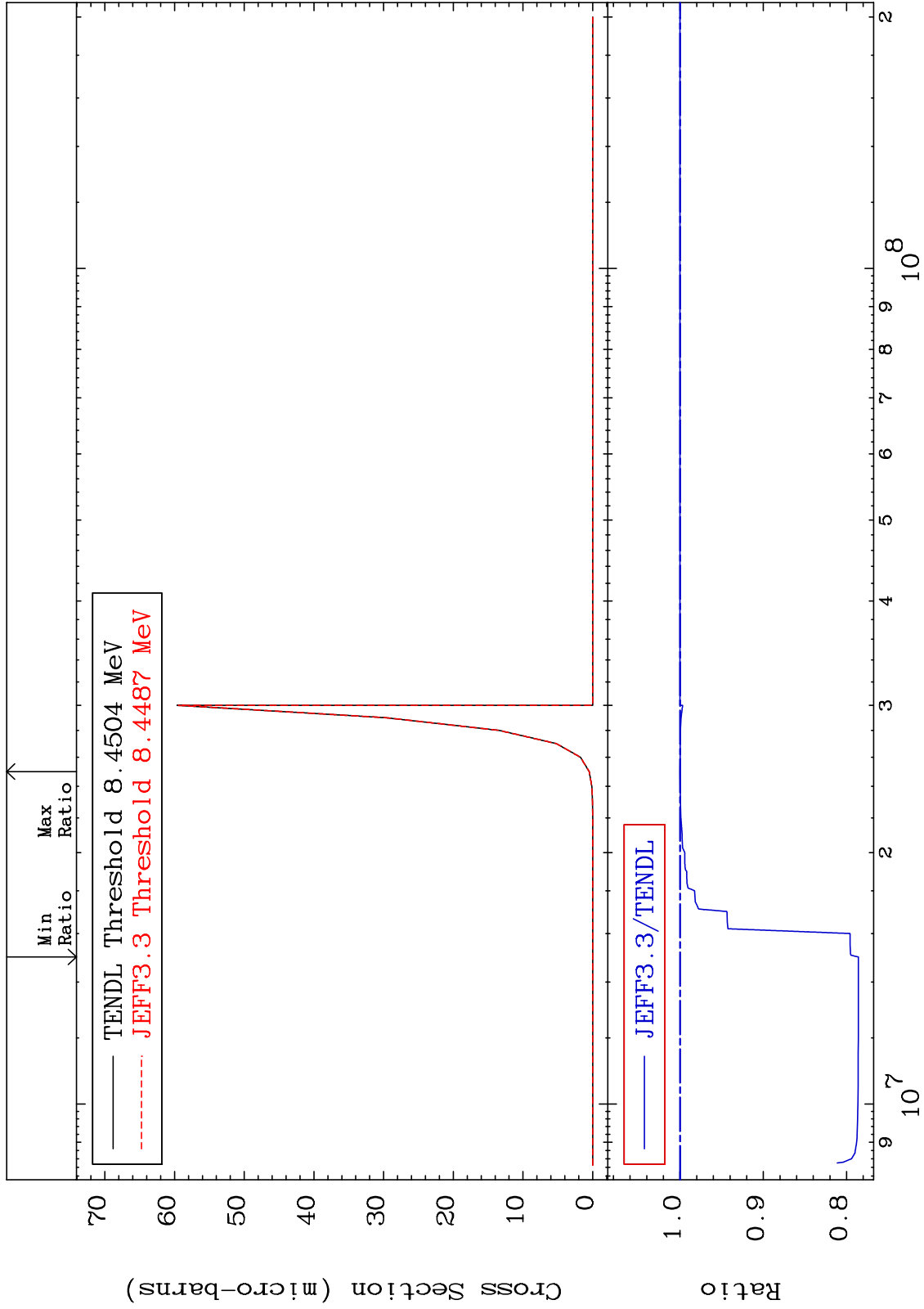
MAT 7049

(n, He-3)

70-Yb-176

Cross Section

-21.42 To 0.005 %



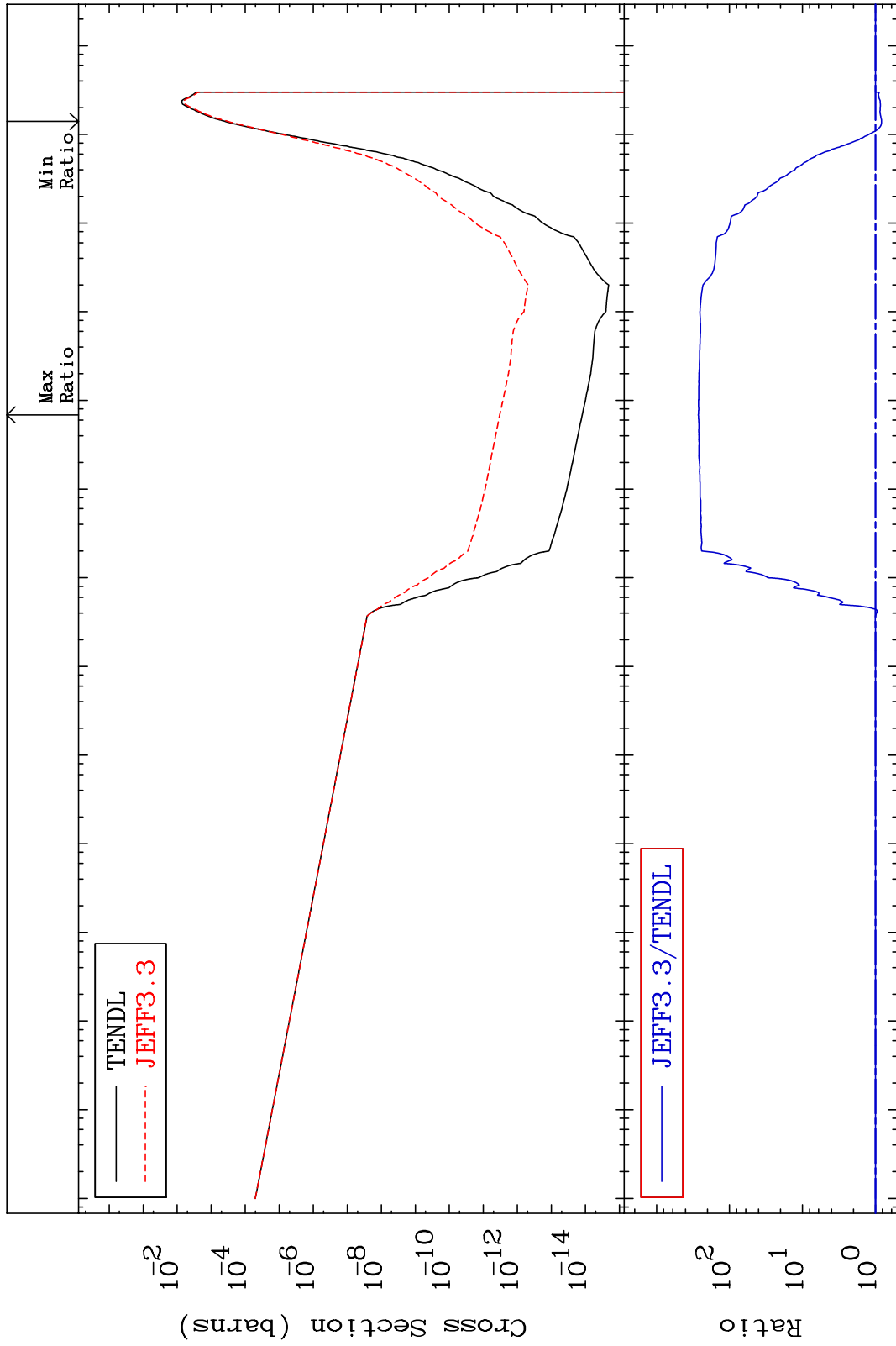
MAT 7049

(n, α)

70-Yb-176

Cross Section

-17.62 To 9999. %



Incident Energy (eV)

MAT 7049

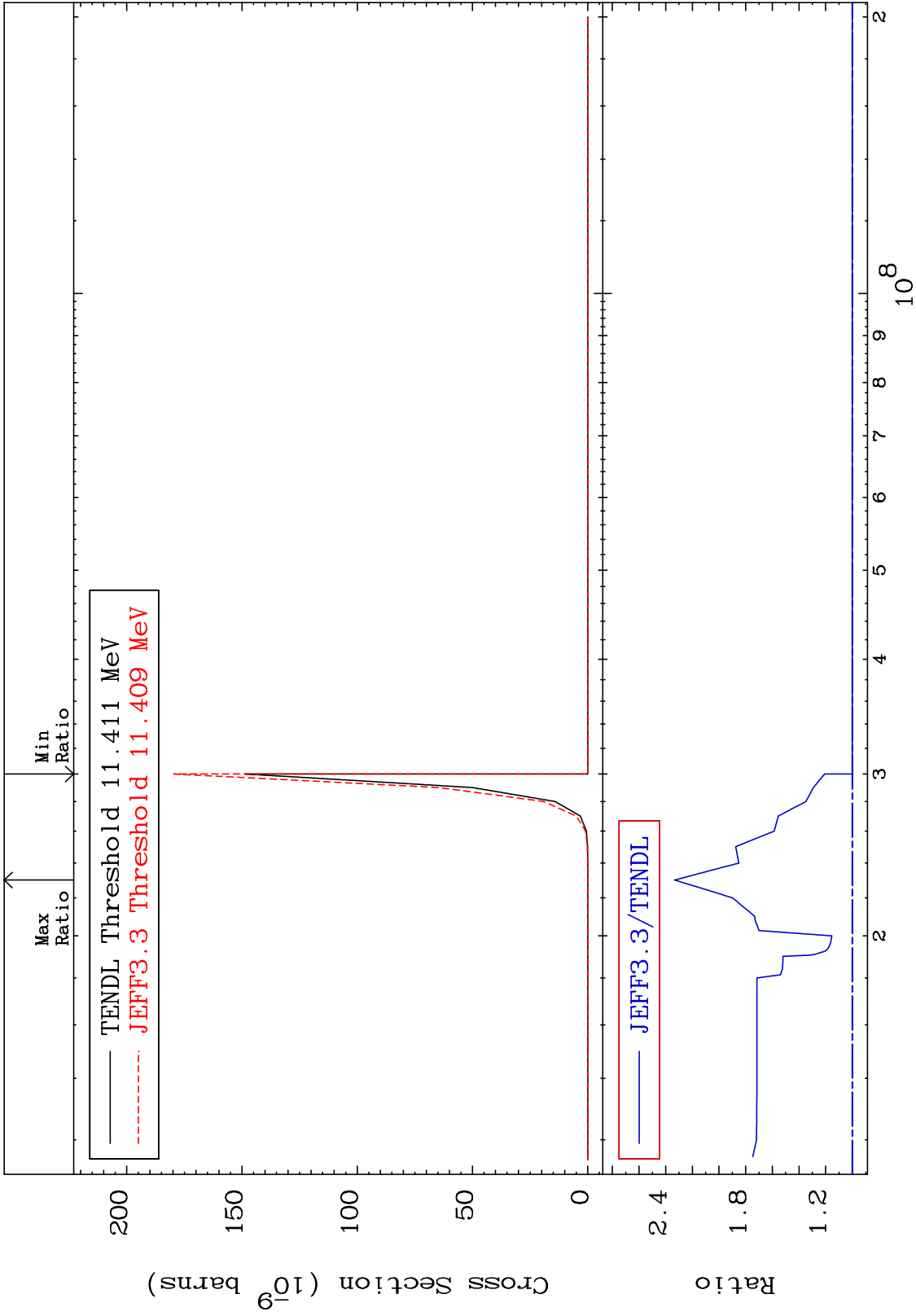
(n,2p)

70-Yb-176

Cross Section

0.000

To 133.3 %



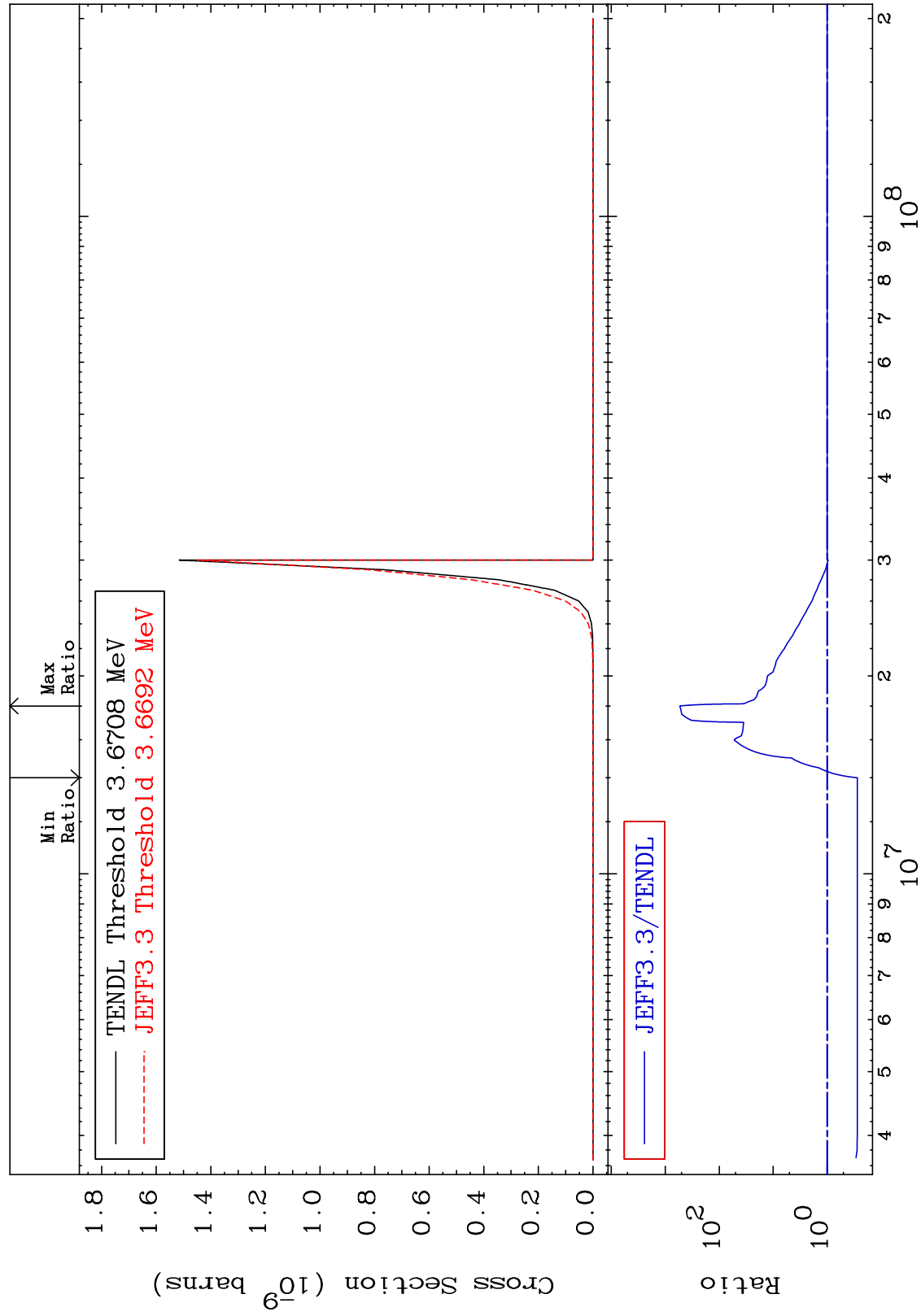
MAT 7049

(n,p) α

⁷⁰Yb-176

-72.43 To 9999. %

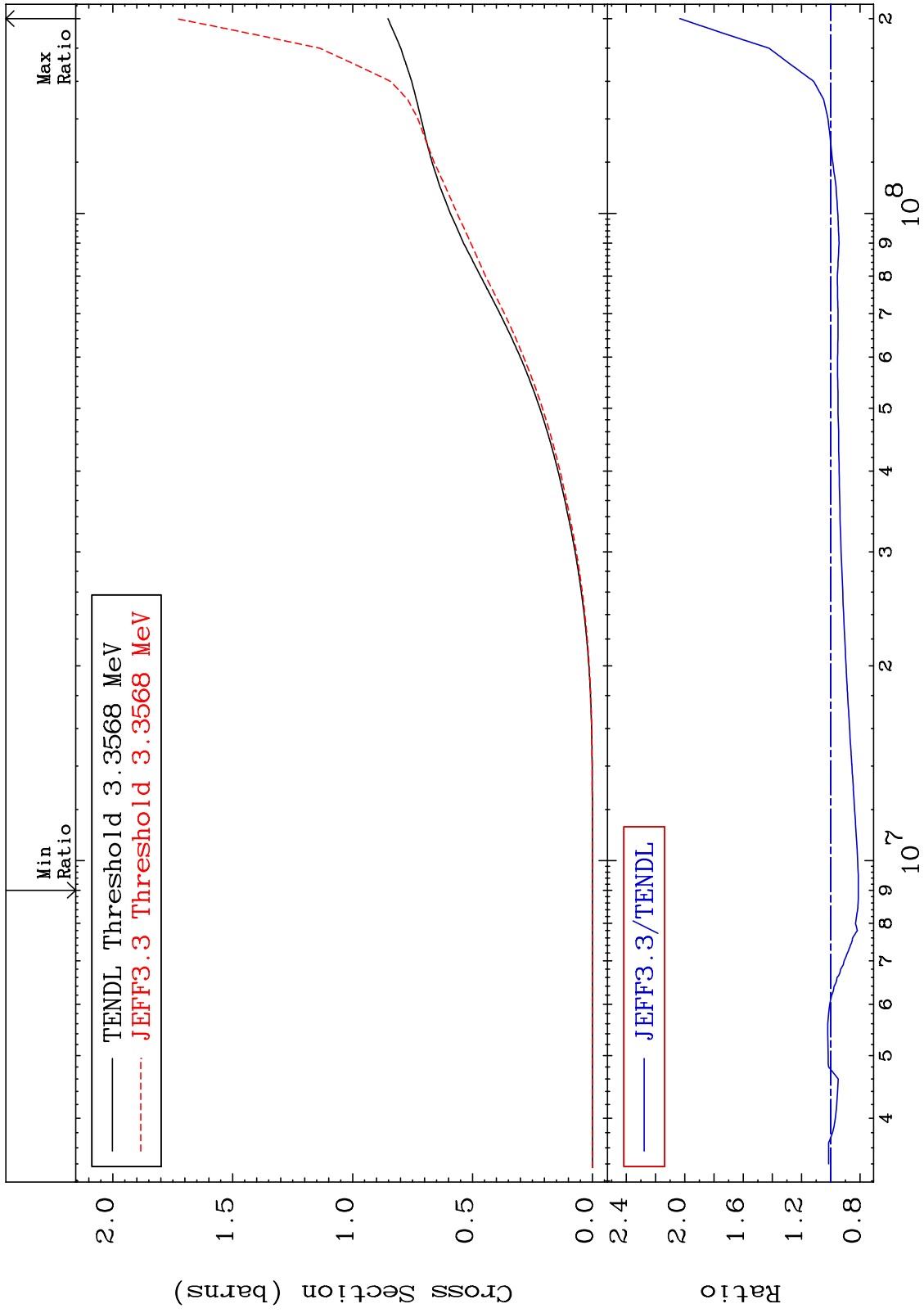
Cross Section



MAT 7049

Hydrogen Production
Cross Section

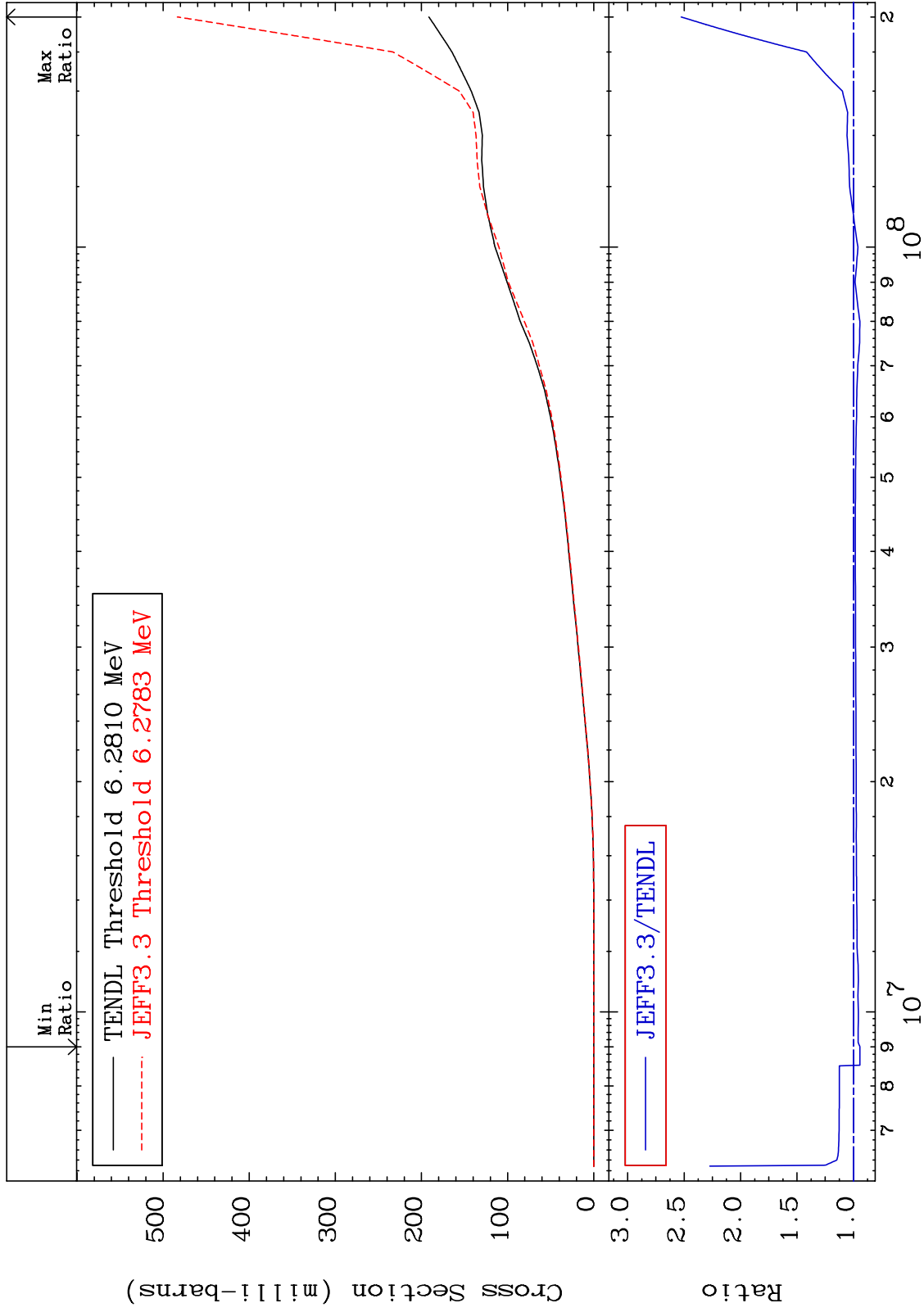
70-Yb-176
-18.85 To 103.4 %



MAT 7049

Deuterium Production
Cross Section

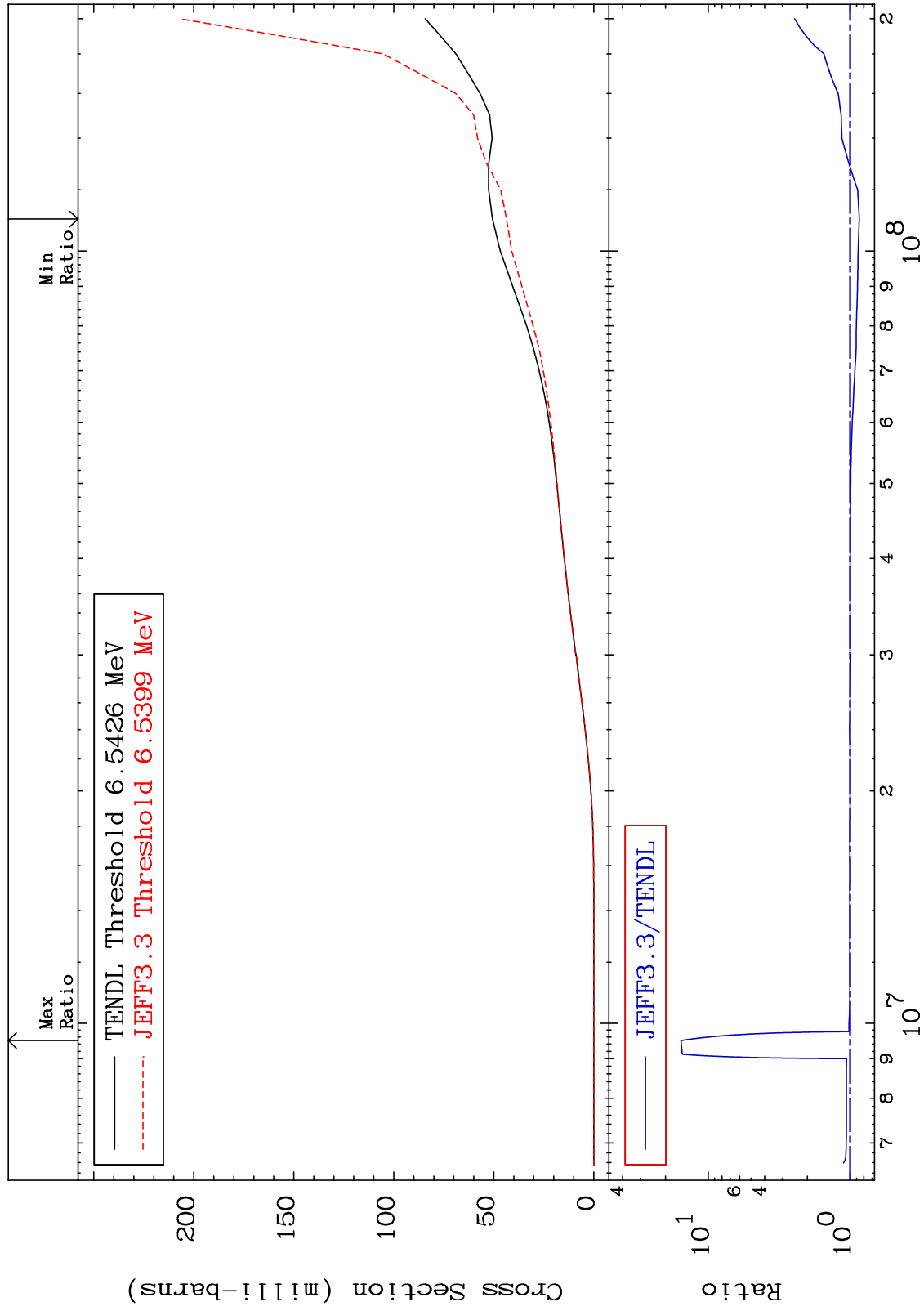
70-Yb-176
-5.726 To 152.6 %



MAT 7049

Tritium Production
Cross Section

70-Yb-176
-13.83 To 1452. %



59

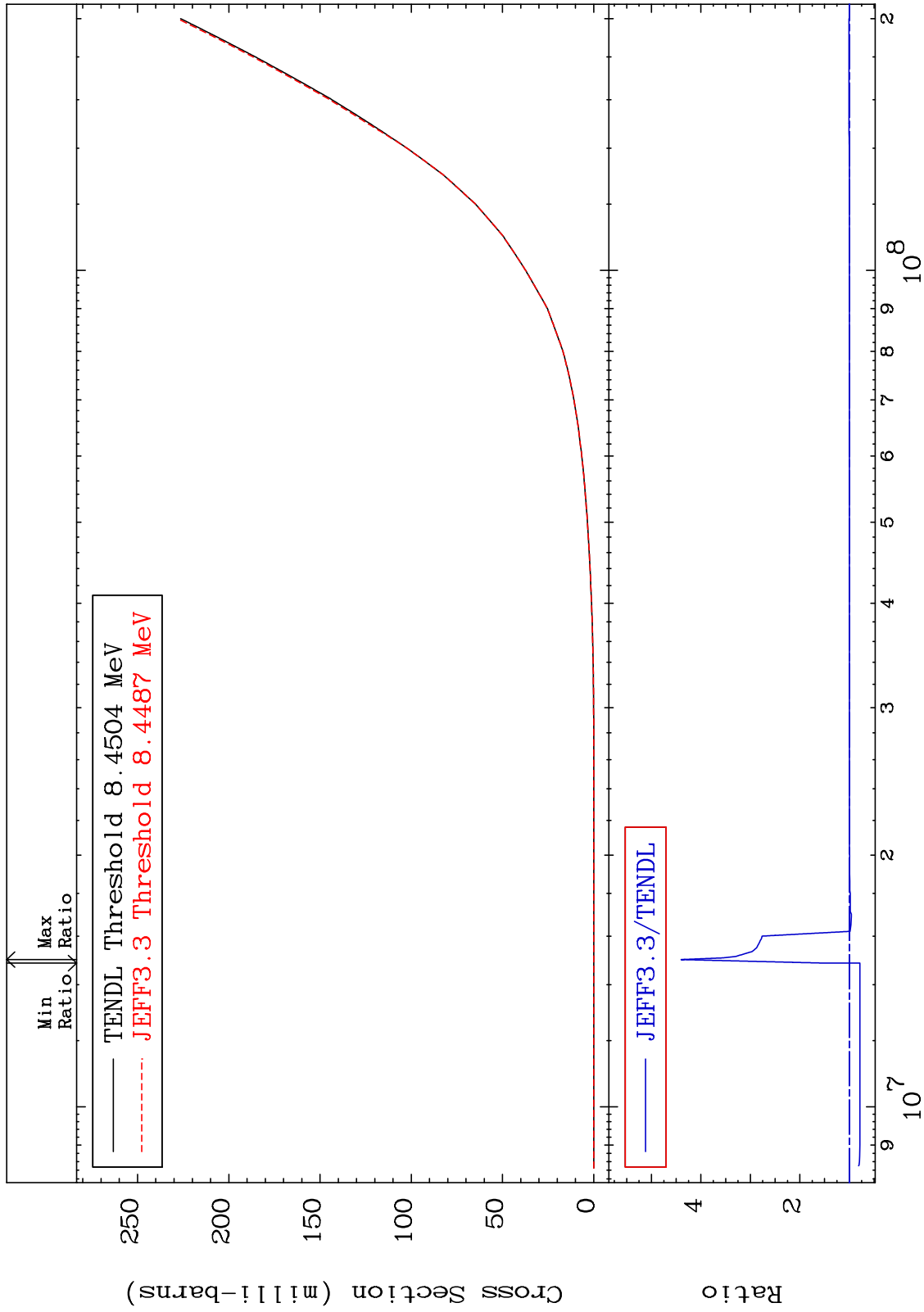
Incident Energy (eV)

70-Yb-176

MAT 7049

He-3 Production
Cross Section

70-Yb-176
-21.42 To 339.8 %



60

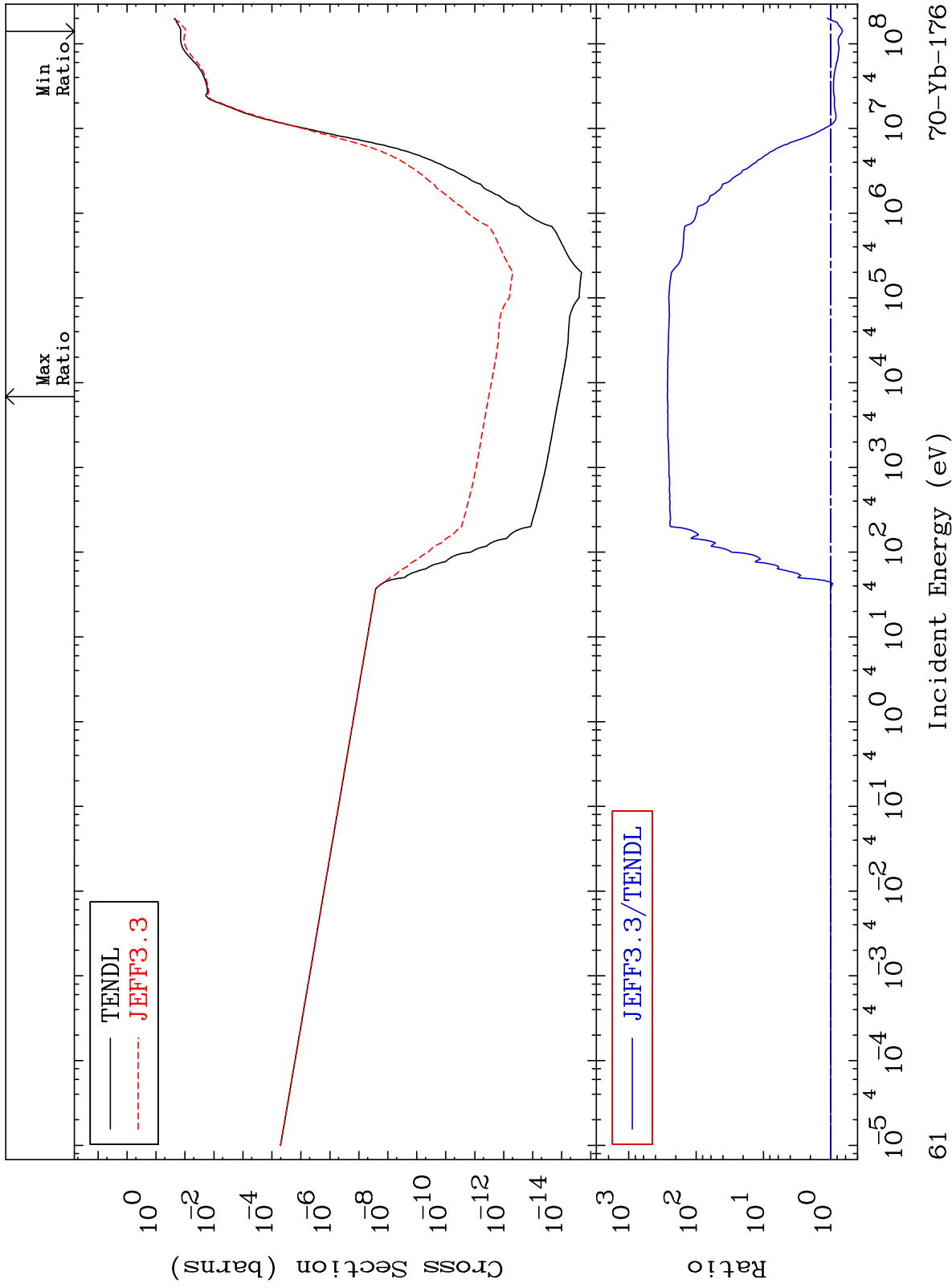
Incident Energy (eV)

70-Yb-176

MAT 7049

He-4 Production
Cross Section

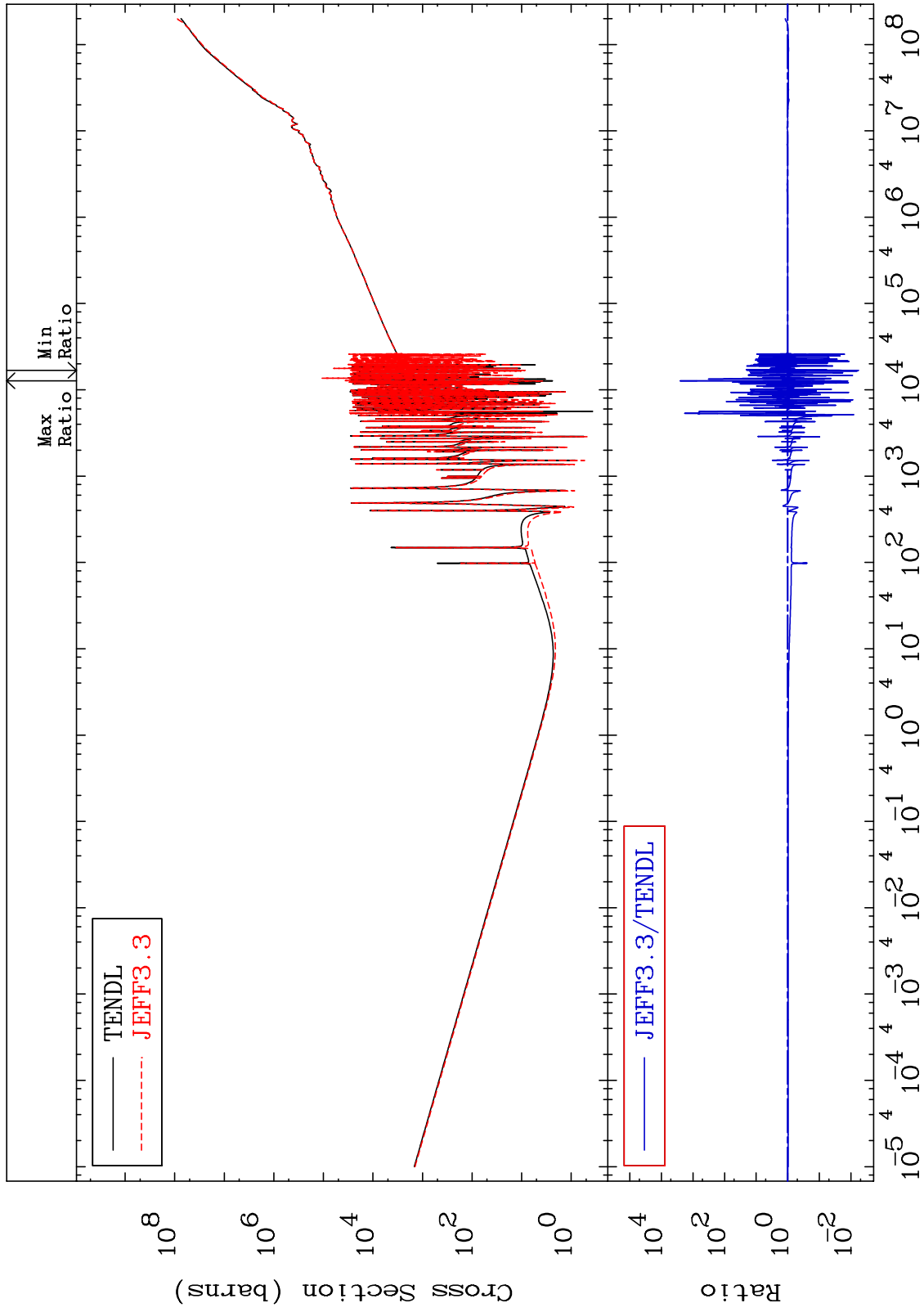
70-Yb-176
-33.45 To 9999. %



MAT 7049

Kerma total (eV-barns)
Cross Section

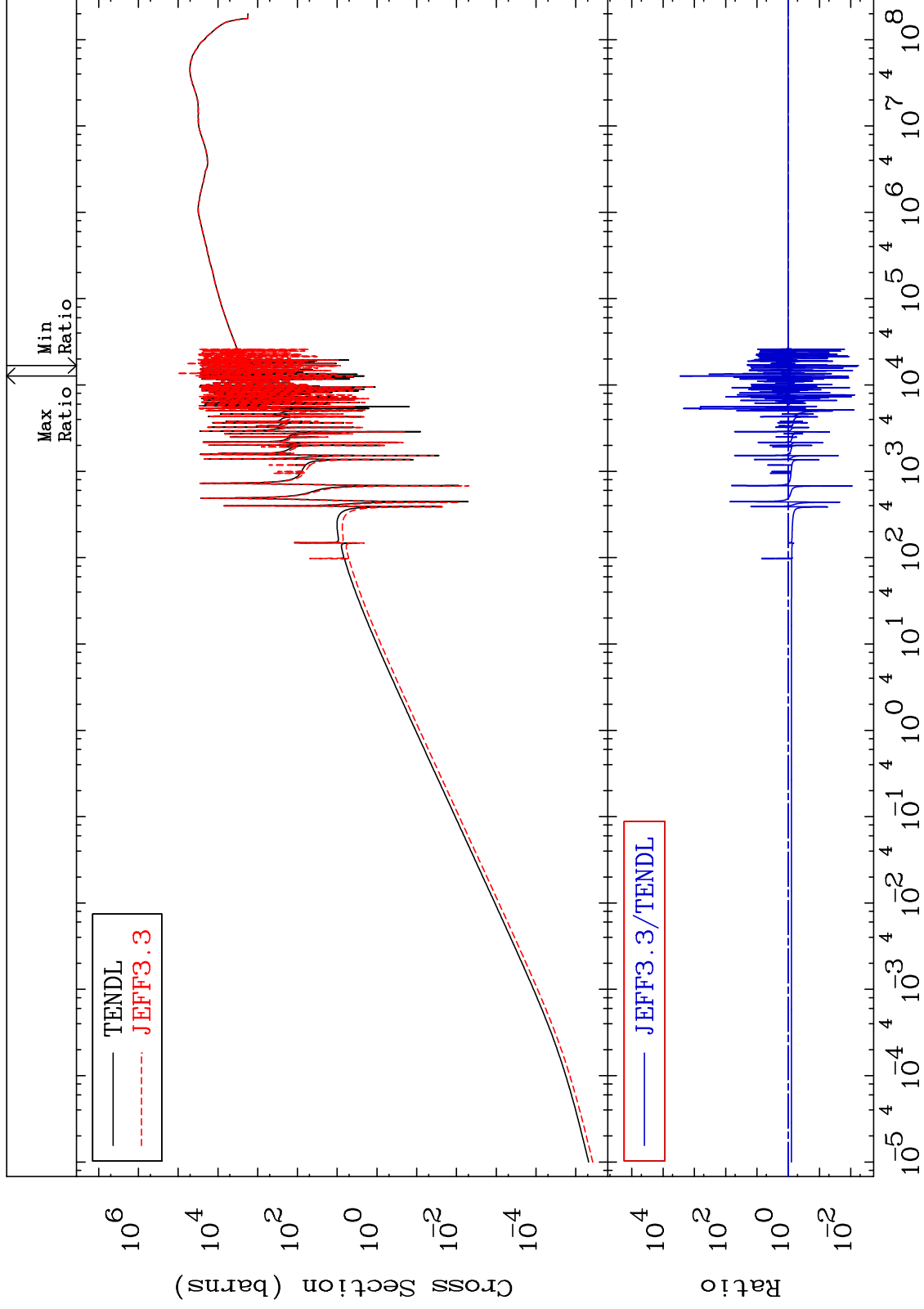
70-Yb-176
-99.42 To 9999. %



MAT 7049

Kerma elastic
Cross Section

70-Yb-176
-99.43 To 9999. %



63

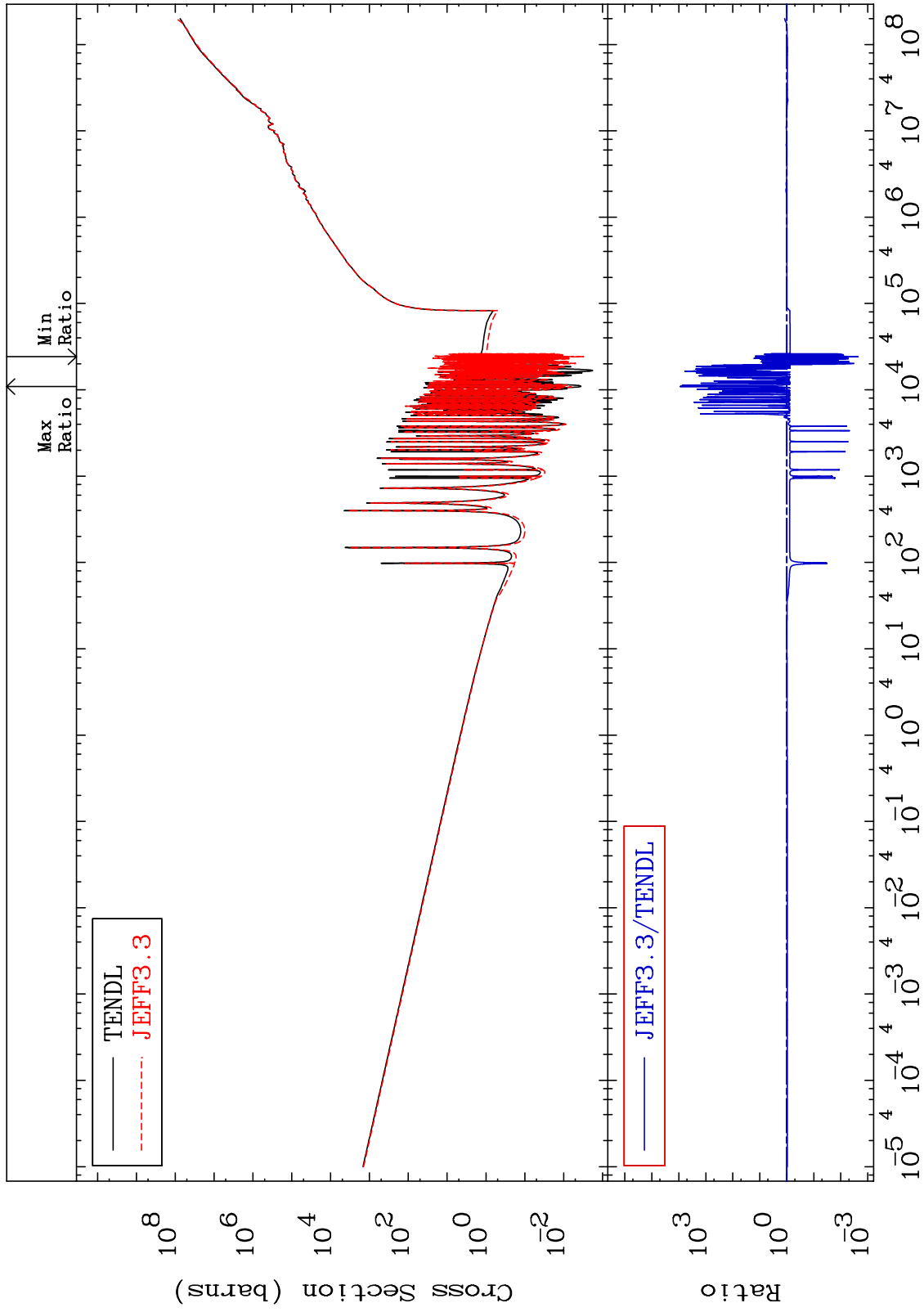
Incident Energy (eV)

70-Yb-176

MAT 7049

Kerma non-elastic (all but mt2)
Cross Section

70-Yb-176
-99.78 To 9999. %



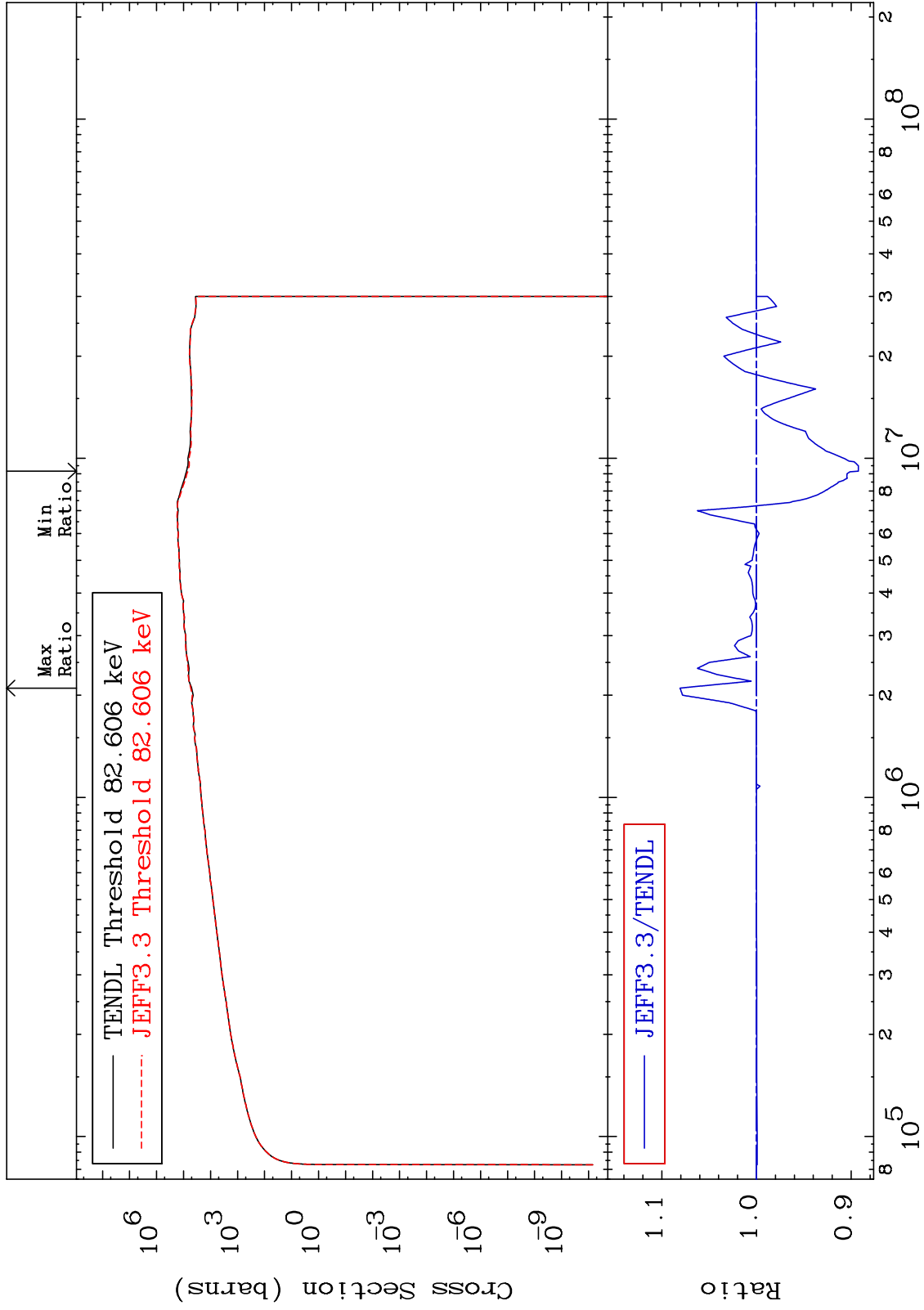
MAT 7049

Kerma inelastic (mt51-91)

70-Yb-176

-10.76 To 8.081 %

Cross Section



65

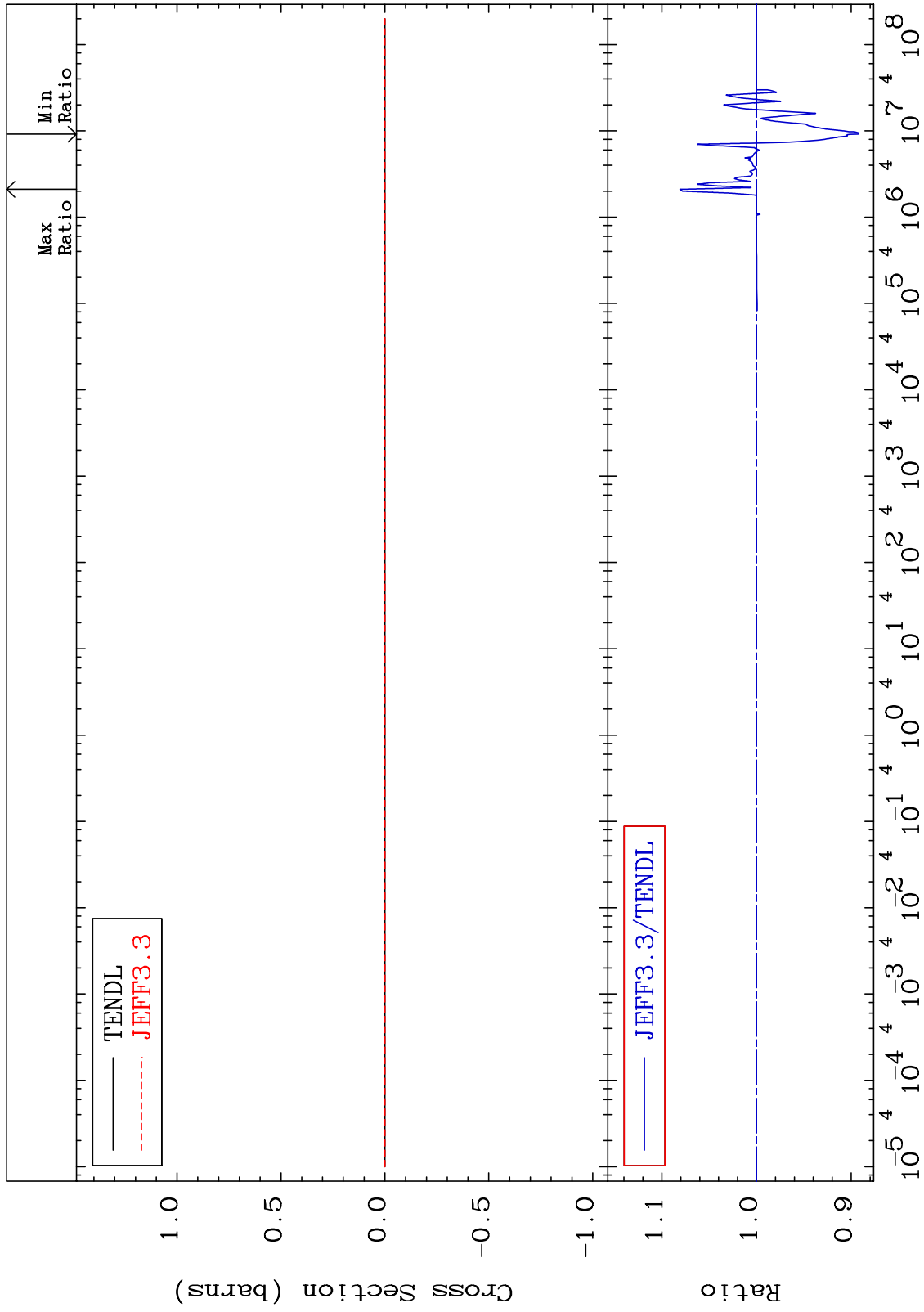
Incident Energy (eV)

70-Yb-176

MAT 7049

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

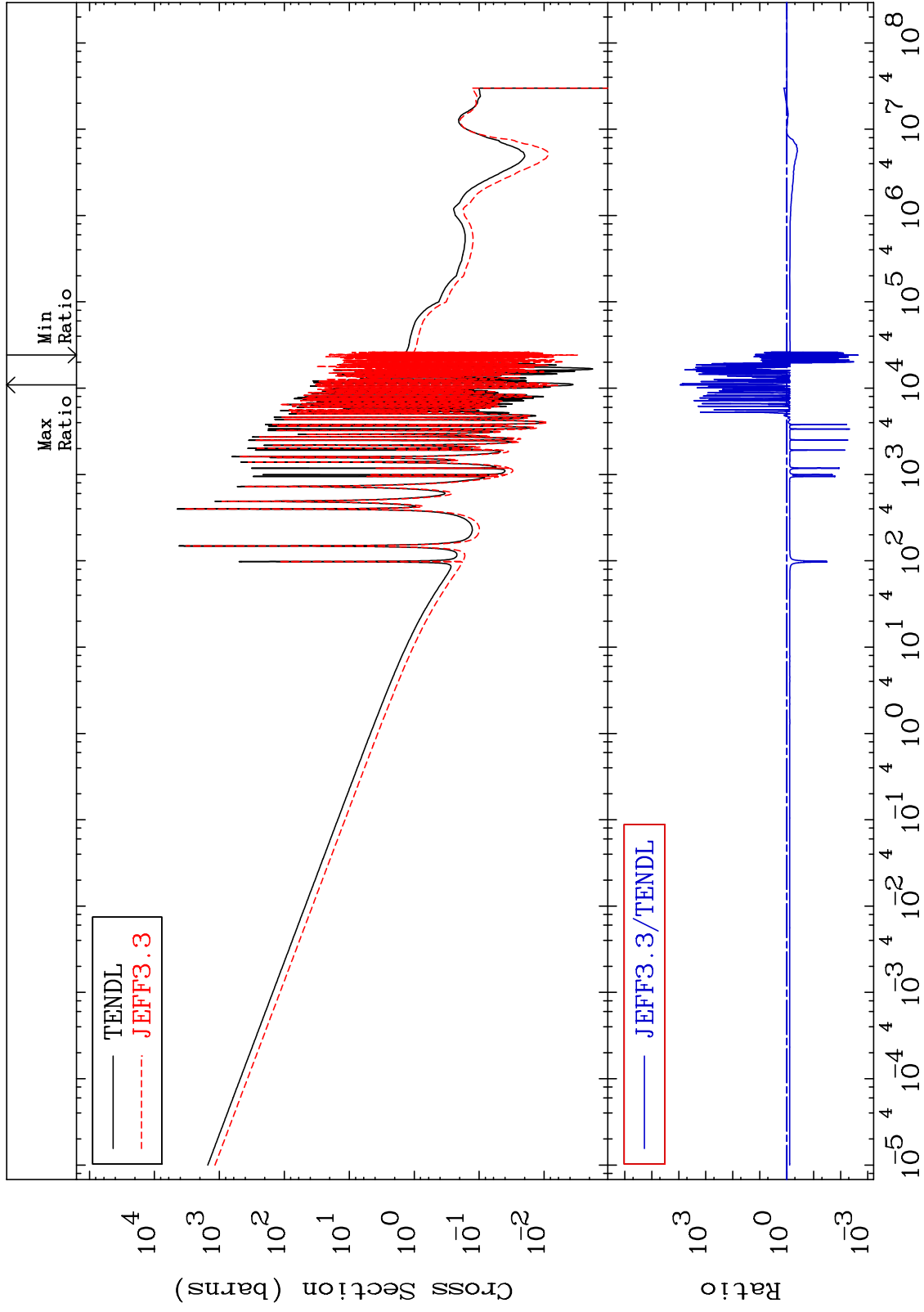
70-Yb-176
-10.76 To 8.081 %



MAT 7049

Kerma capture (mt102)
Cross Section

70-Yb-176
-99.78 To 9999. %



67

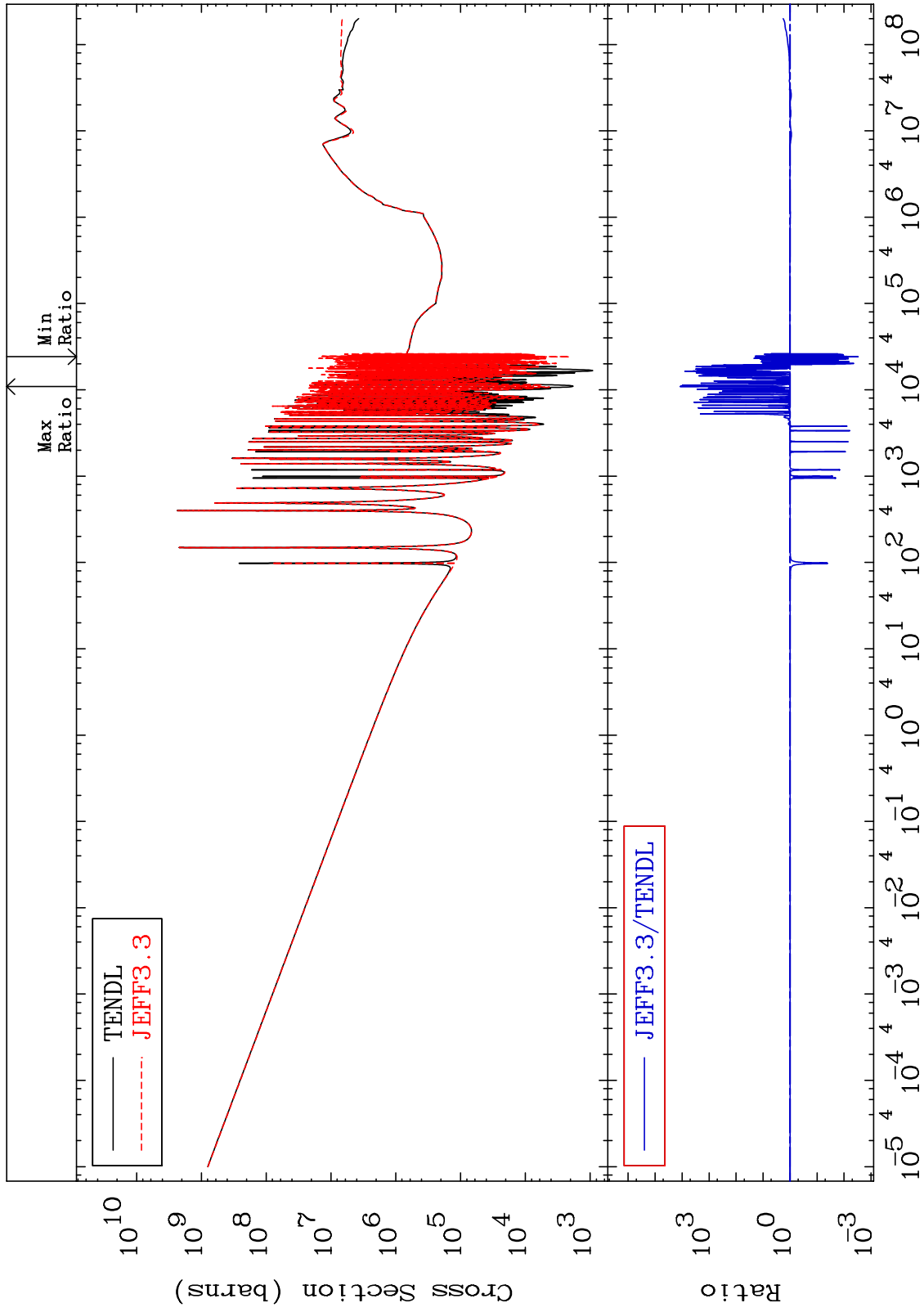
Incident Energy (eV)

70-Yb-176

MAT 7049

Total photon (eV-barns)
Cross Section

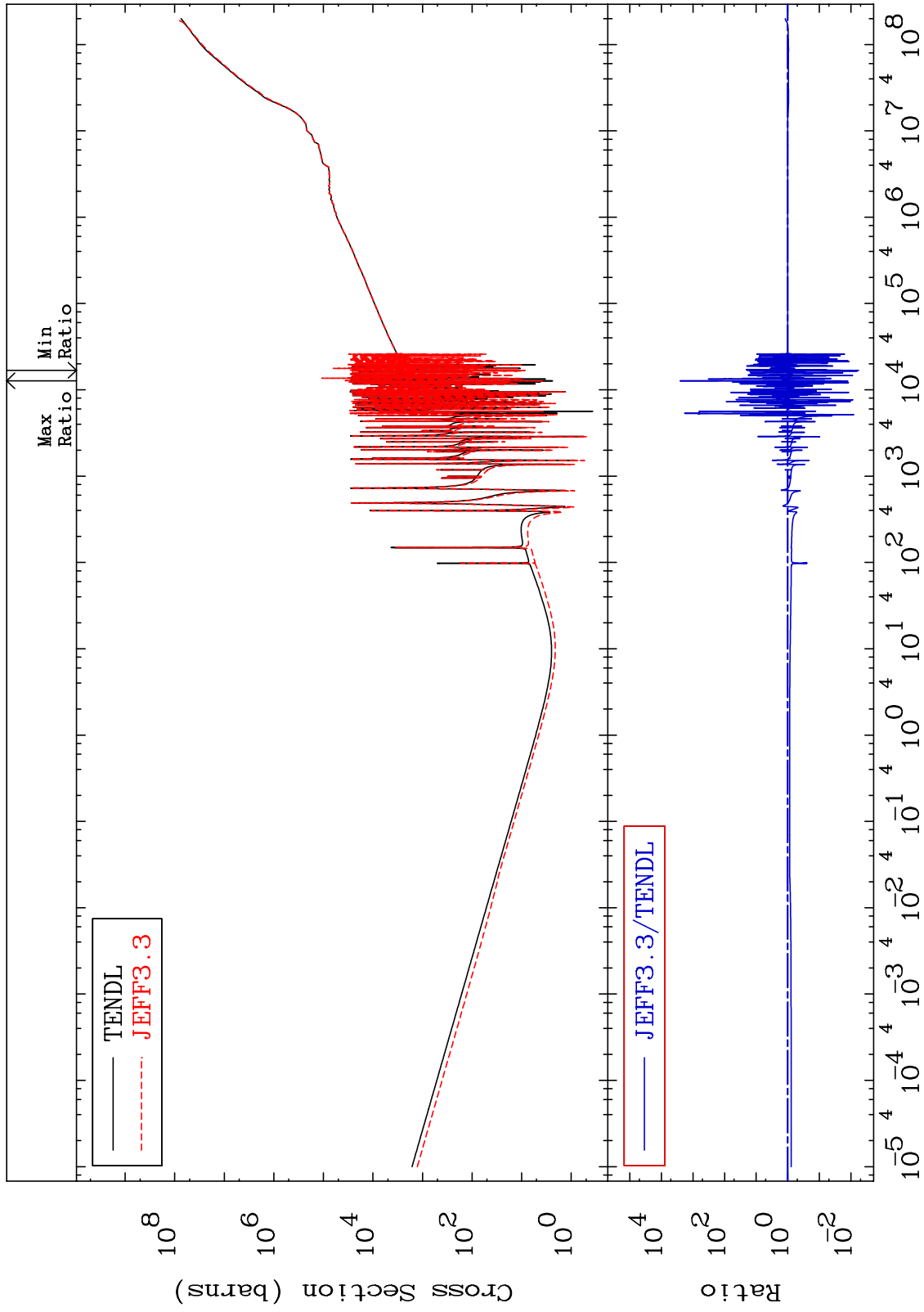
70-Yb-176
-99.71 To 9999. %



MAT 7049

Total kinematic kerma (high limit)
Cross Section

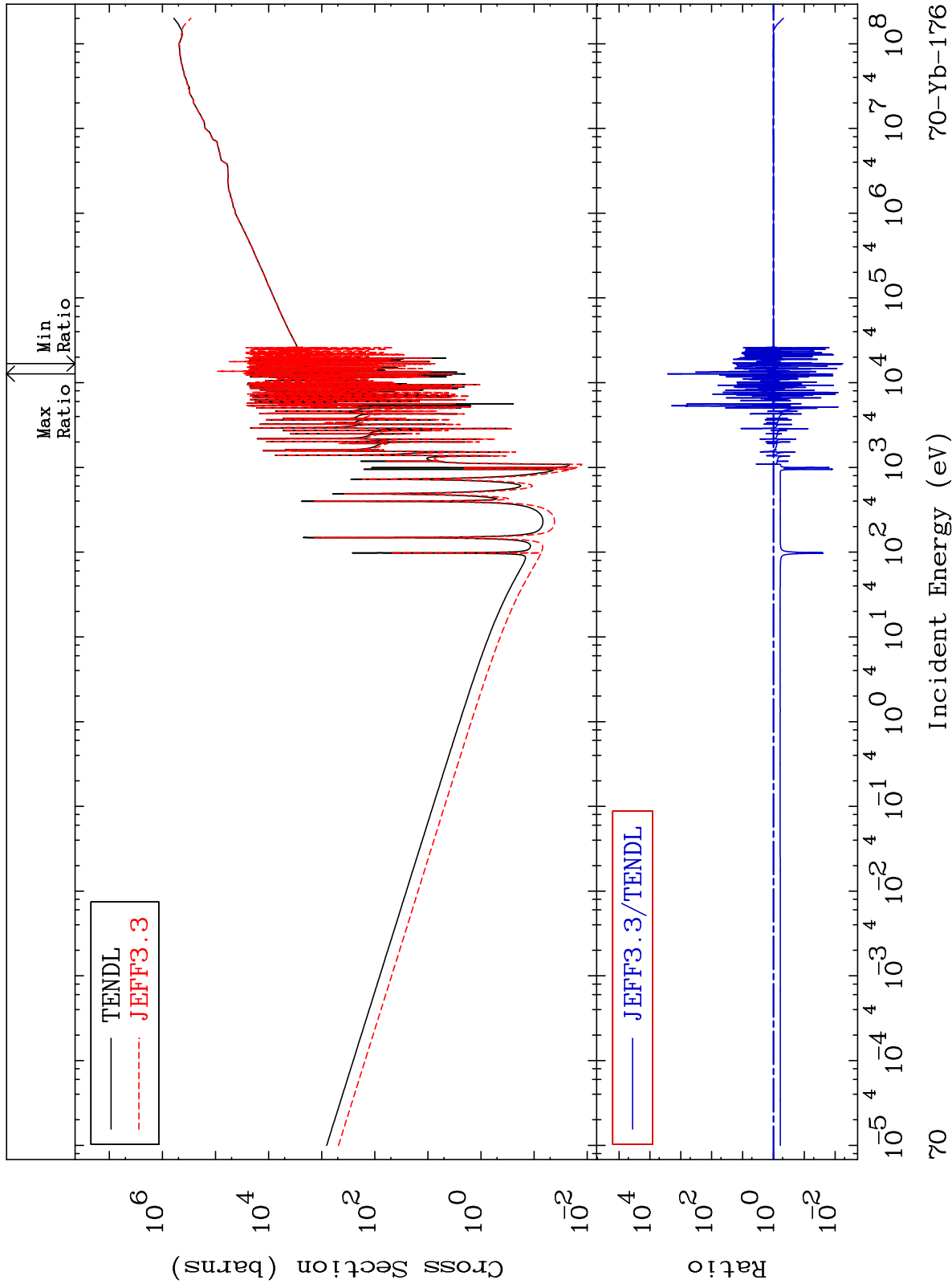
70-Yb-176
-99.42 To 9999. %



MAT 7049

Dpa total (eV-barns)
Cross Section

70-Yb-176
-99.43 To 9999. %



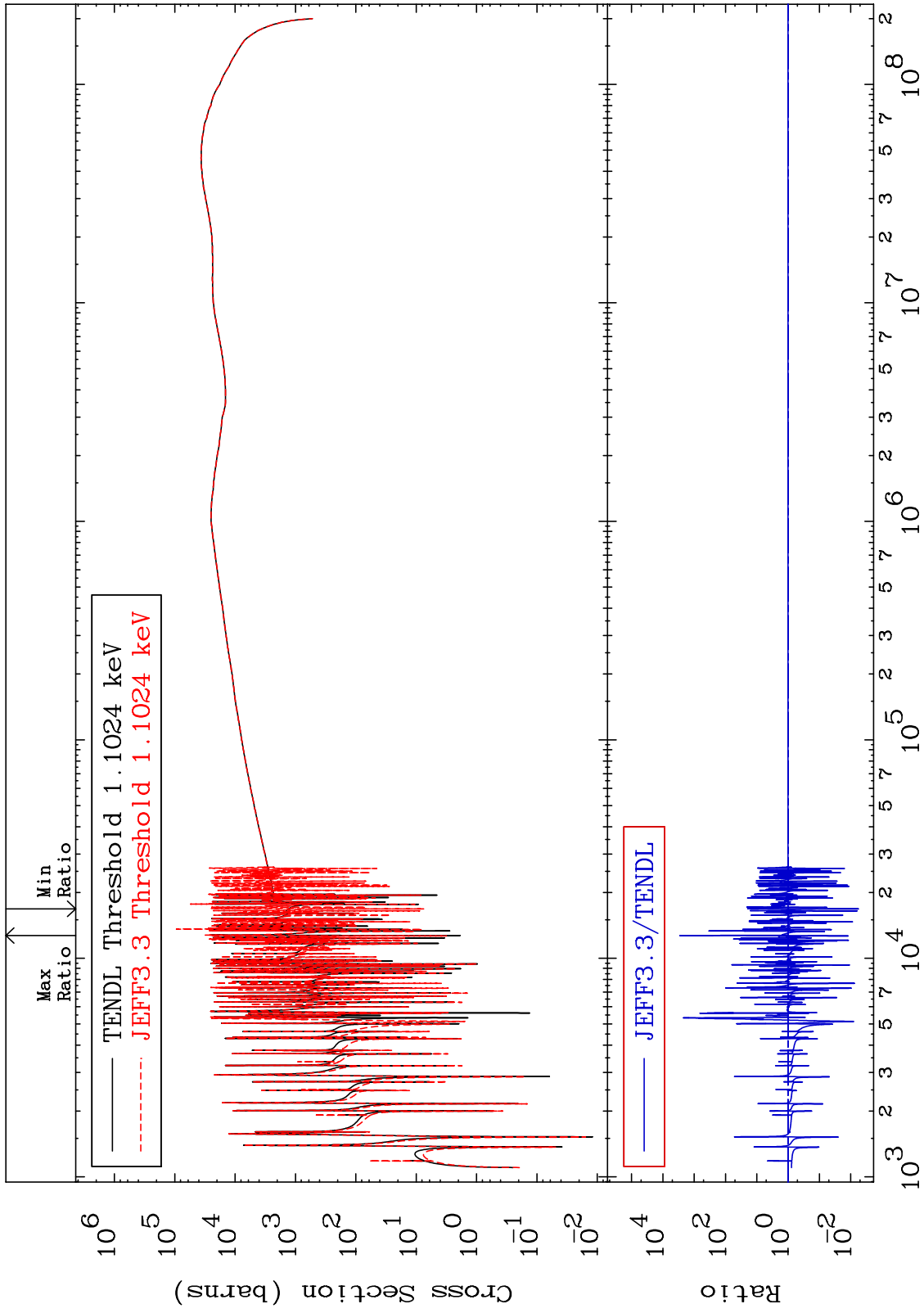
70

70-Yb-176

MAT 7049

Dpa elastic (mt2)
Cross Section

70-Yb-176
-99.43 To 9999. %



71

Incident Energy (eV)

70-Yb-176

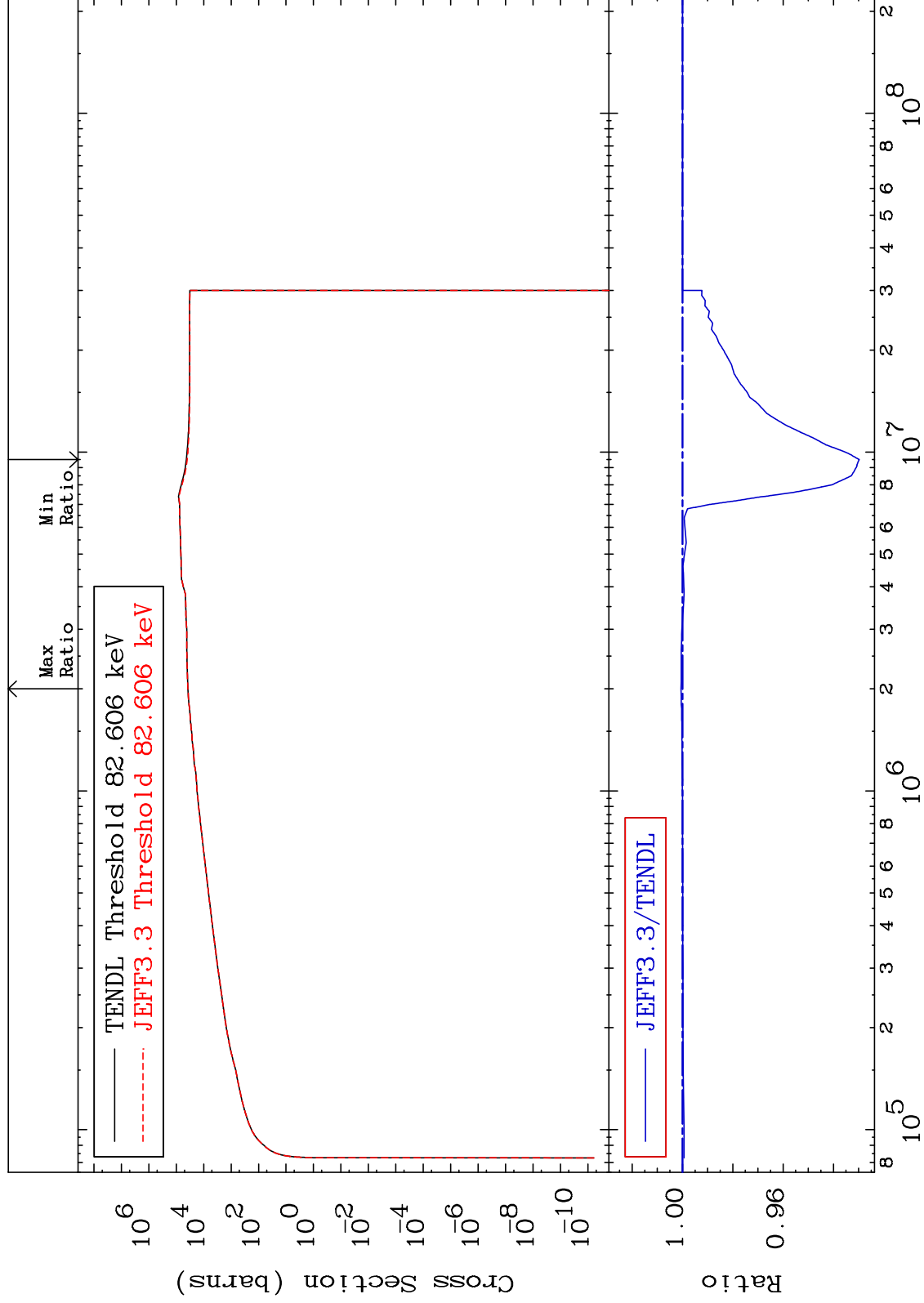
MAT 7049

Dpa inelastic (mt51-91)

70-Yb-176

-7.028 To 0.057 %

Cross Section



72

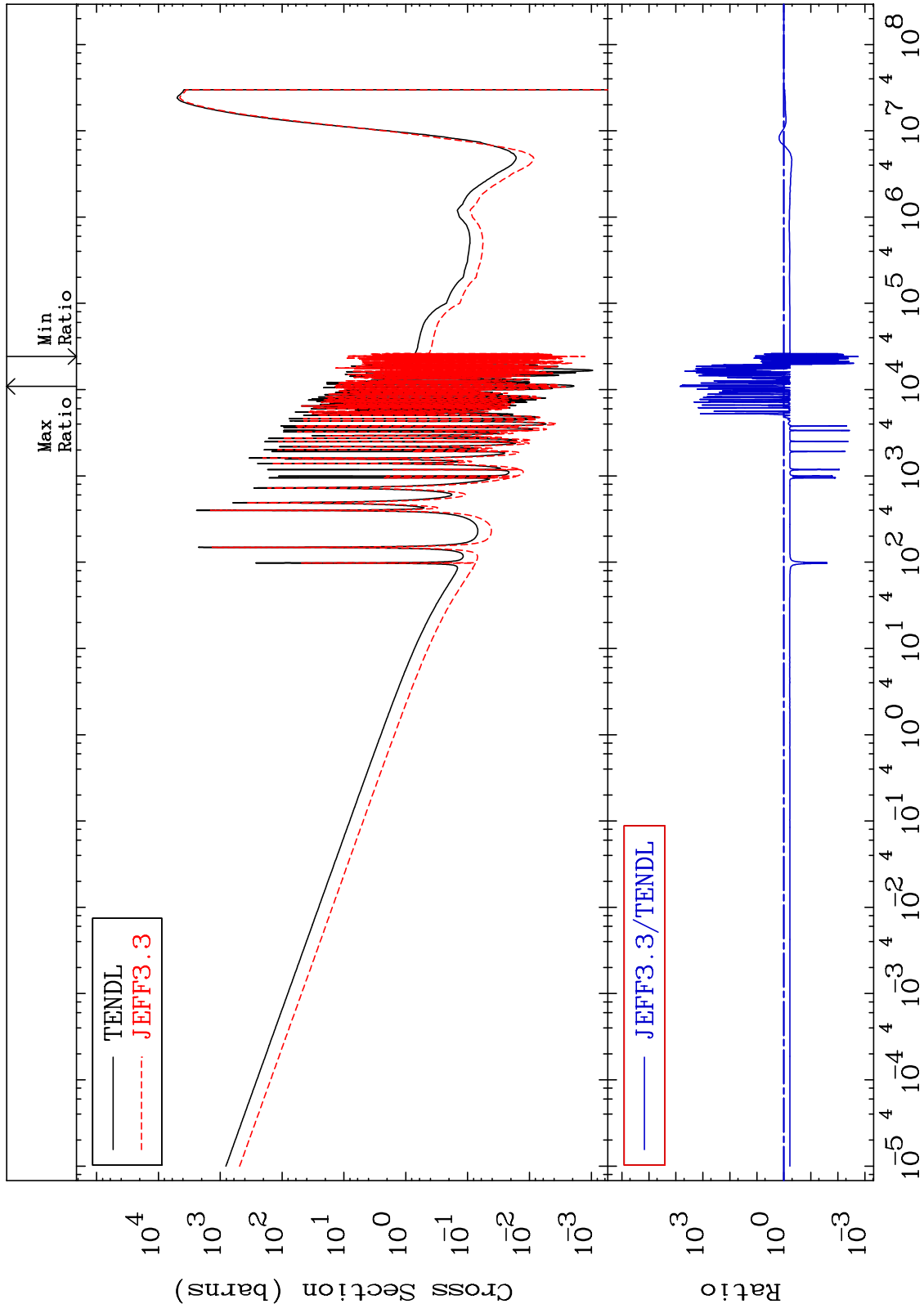
Incident Energy (eV)

70-Yb-176

MAT 7049

Dpa disappearance (mt102 -120)
Cross Section

70-Yb-176
-99.83 To 9999. %



73

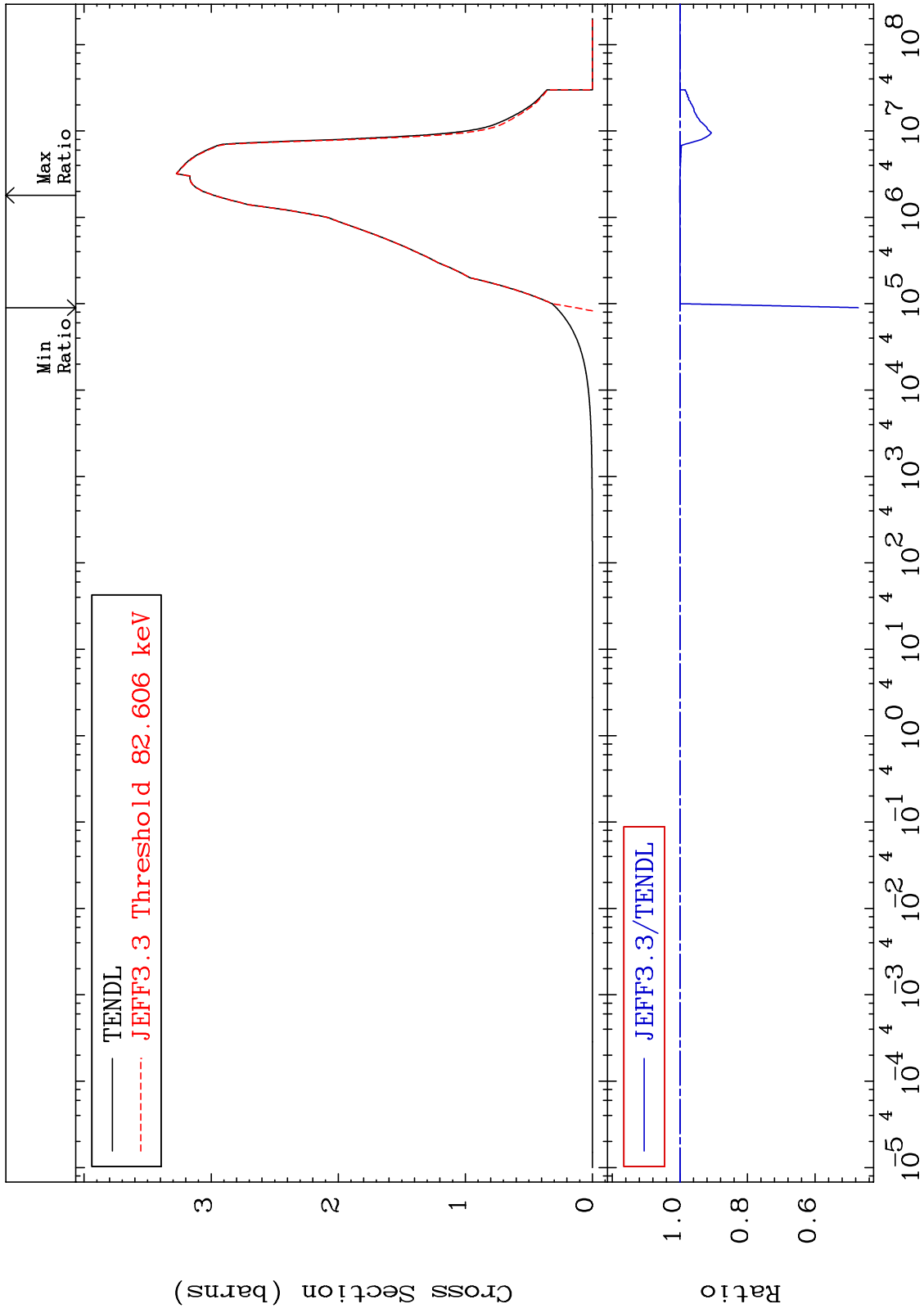
Incident Energy (eV)

70-Yb-176

MAT 7049

Inelastic: 70-Yb-176
Radionuclide Production Cross Section -52.80 To 0.037 %

70-Yb-176



74

Incident Energy (eV)

70-Yb-176

MAT 7049

Inelastic:70-Yb-176m5

70-Yb-176

Radionuclide Production Cross Section -14.62 To 50.82 %

