

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

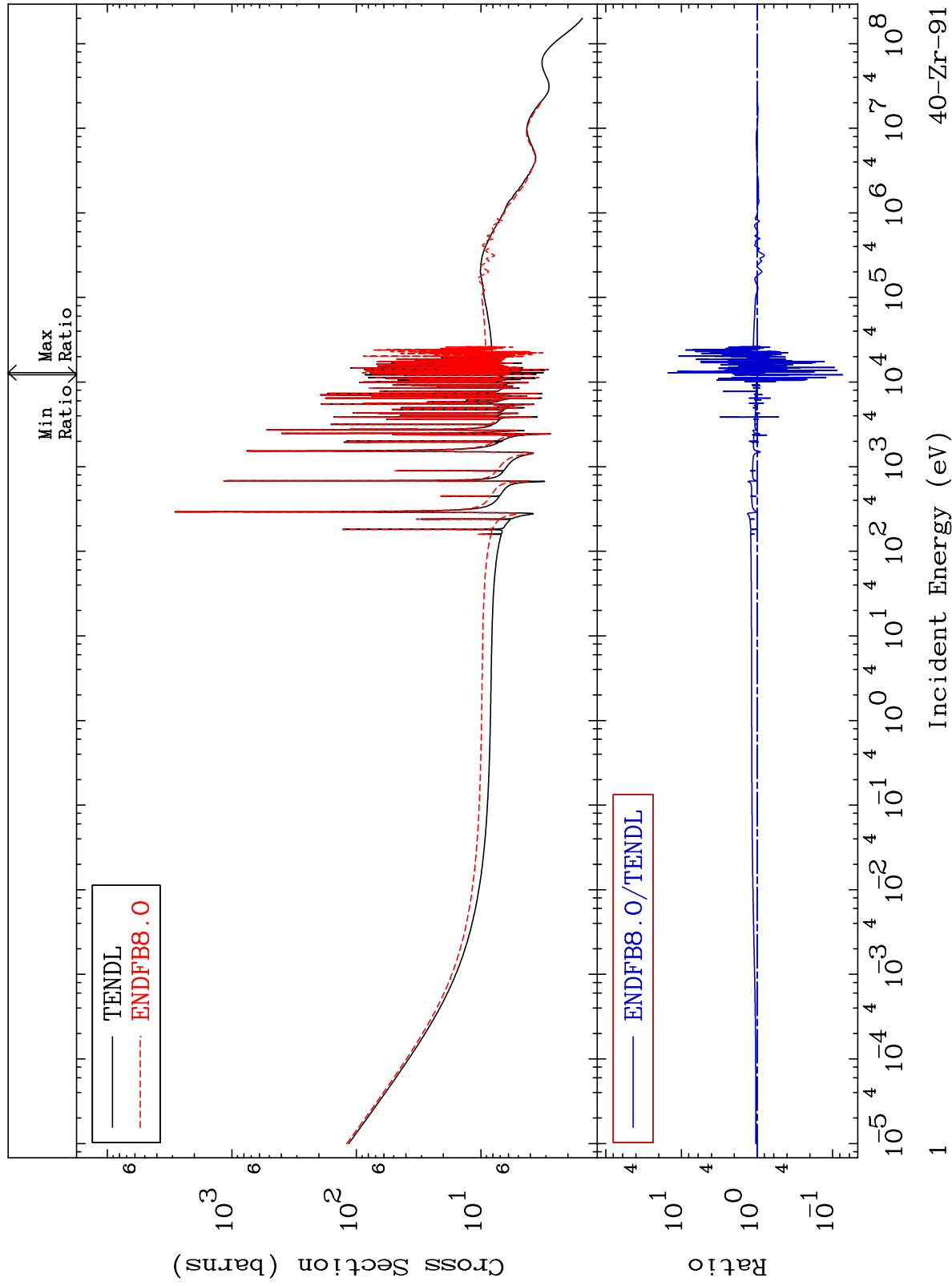
MAT 4028

Total

Cross Section

40-Zr-91

-92.69 To 1404. %



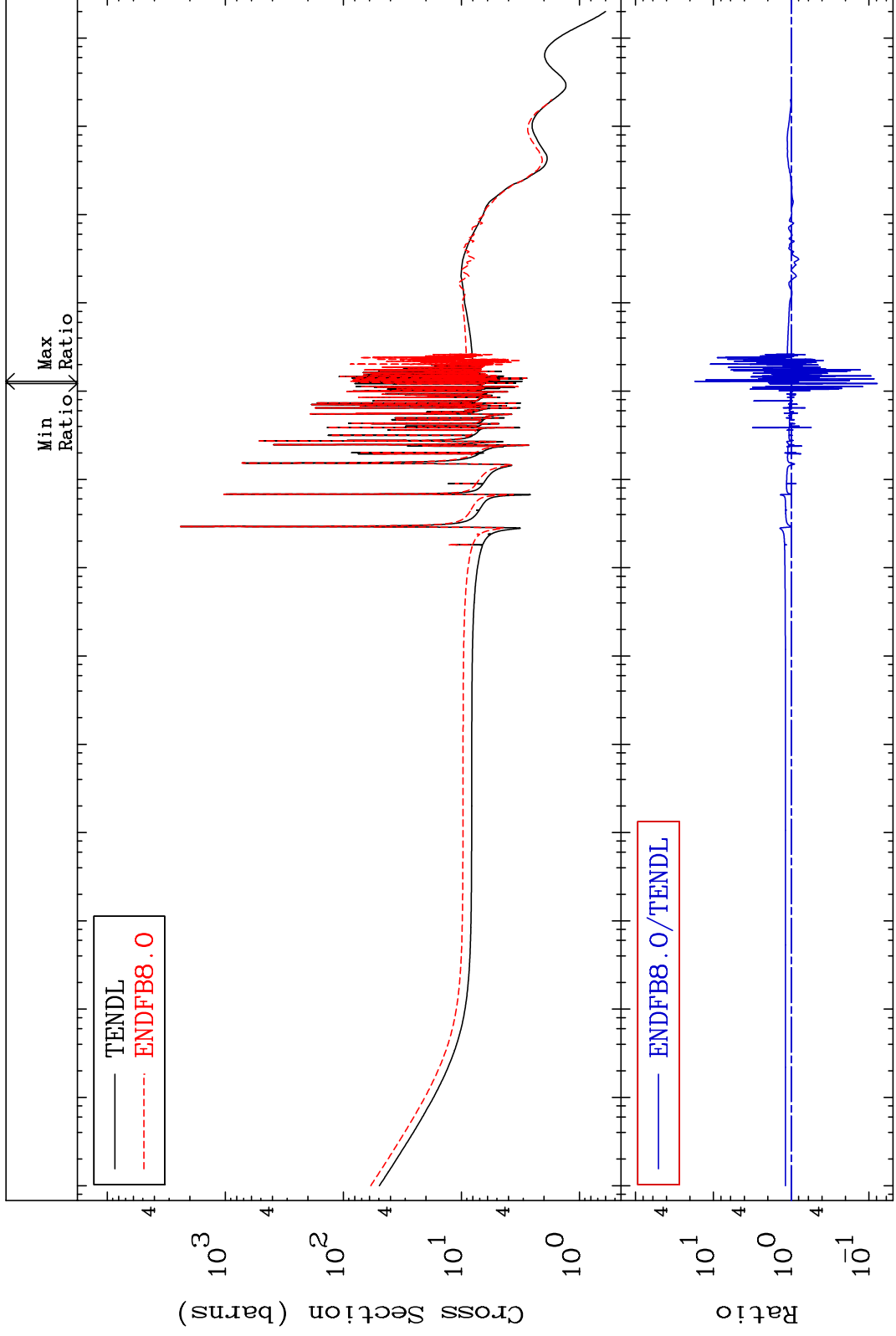
MAT 4028

Elastic

Cross Section

40-Zr-91

-92.22 To 1625. %



Incident Energy (eV)

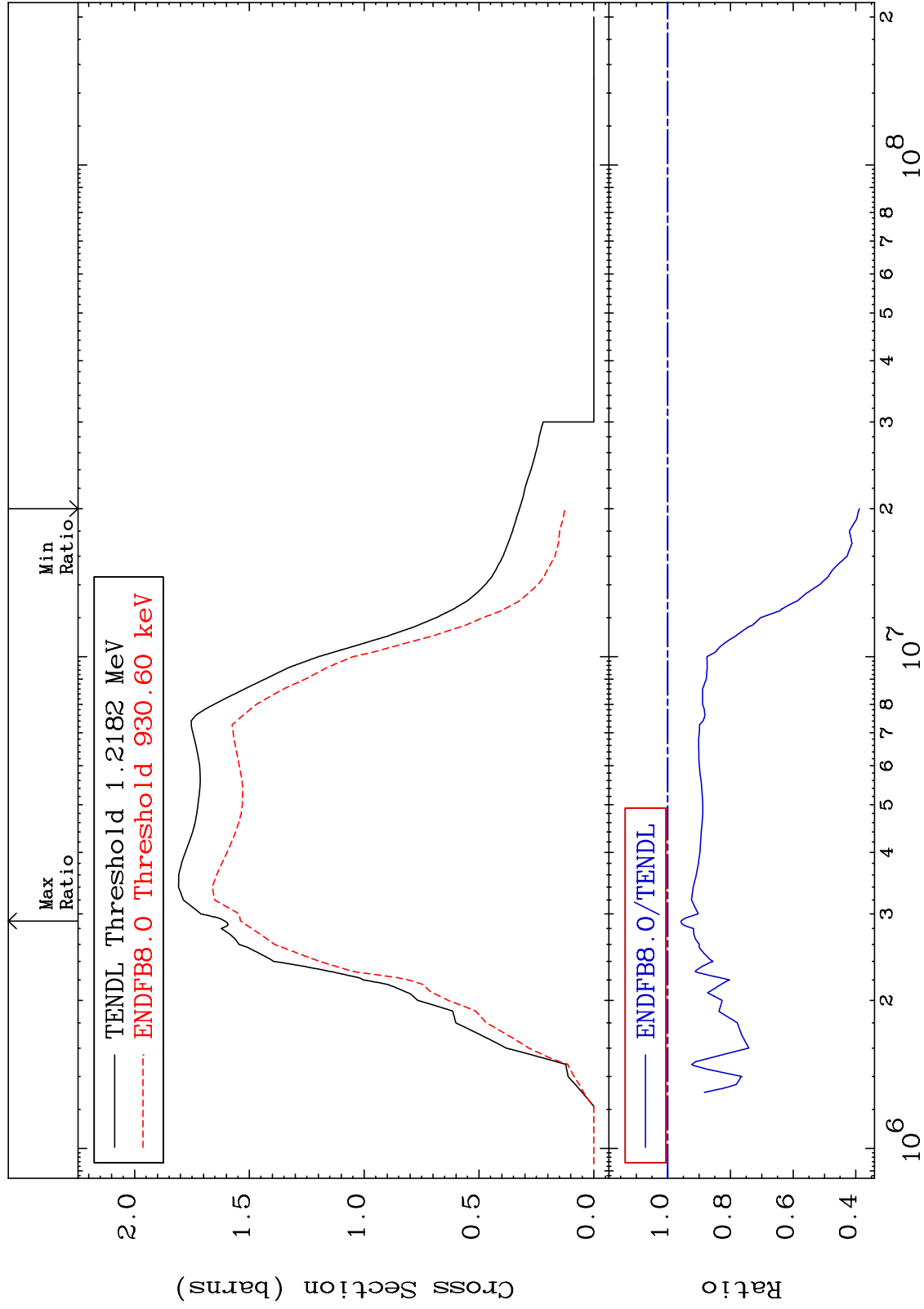
40-Zr-91

2

MAT 4028

Inelastic
Cross Section

40-Zr-91
-61.10 To -4.257%



Incident Energy (eV)

40-Zr-91

3

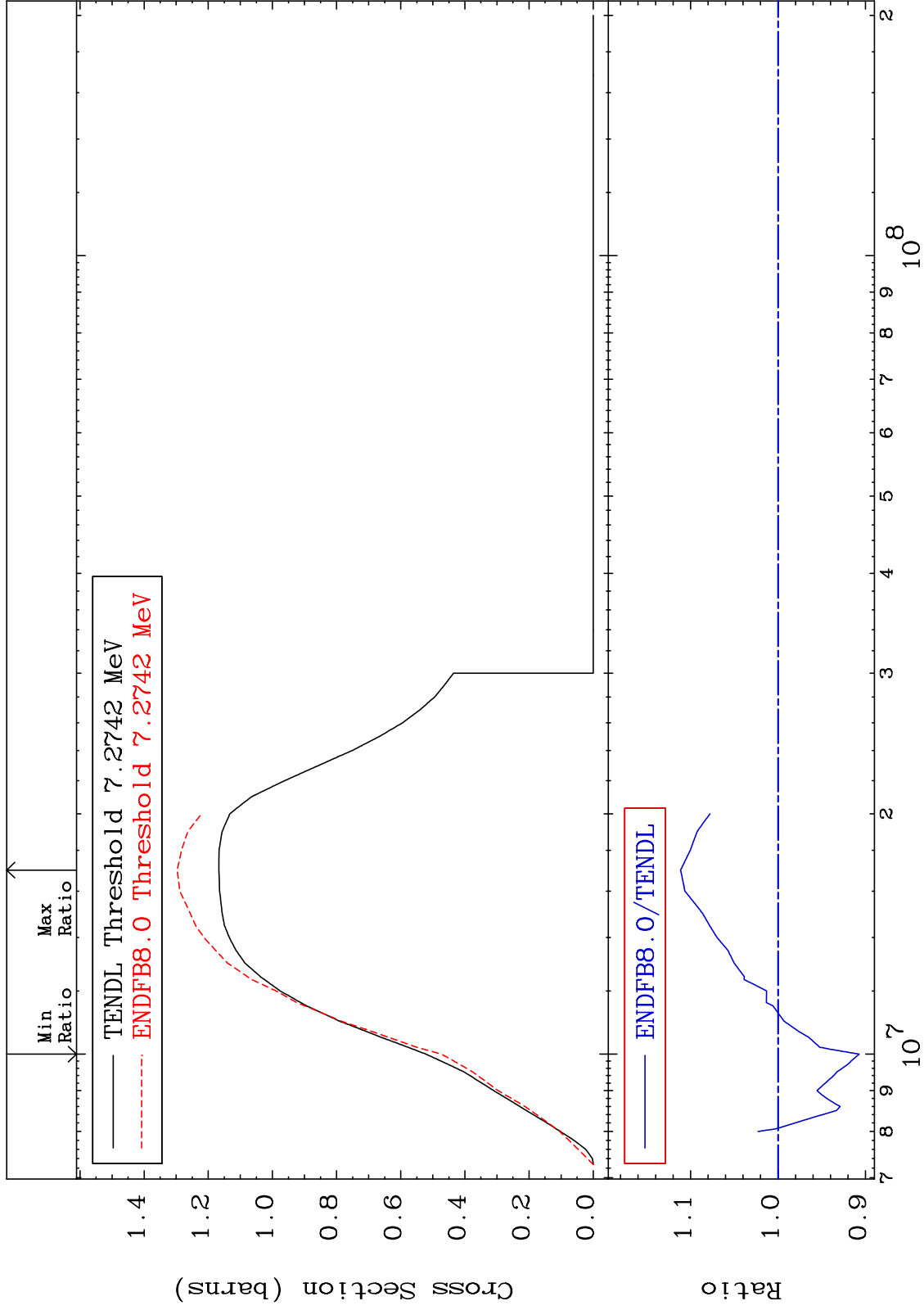
MAT 4028

(n,2n)

40-Zr-91

Cross Section

-9.274 To 11.14 %



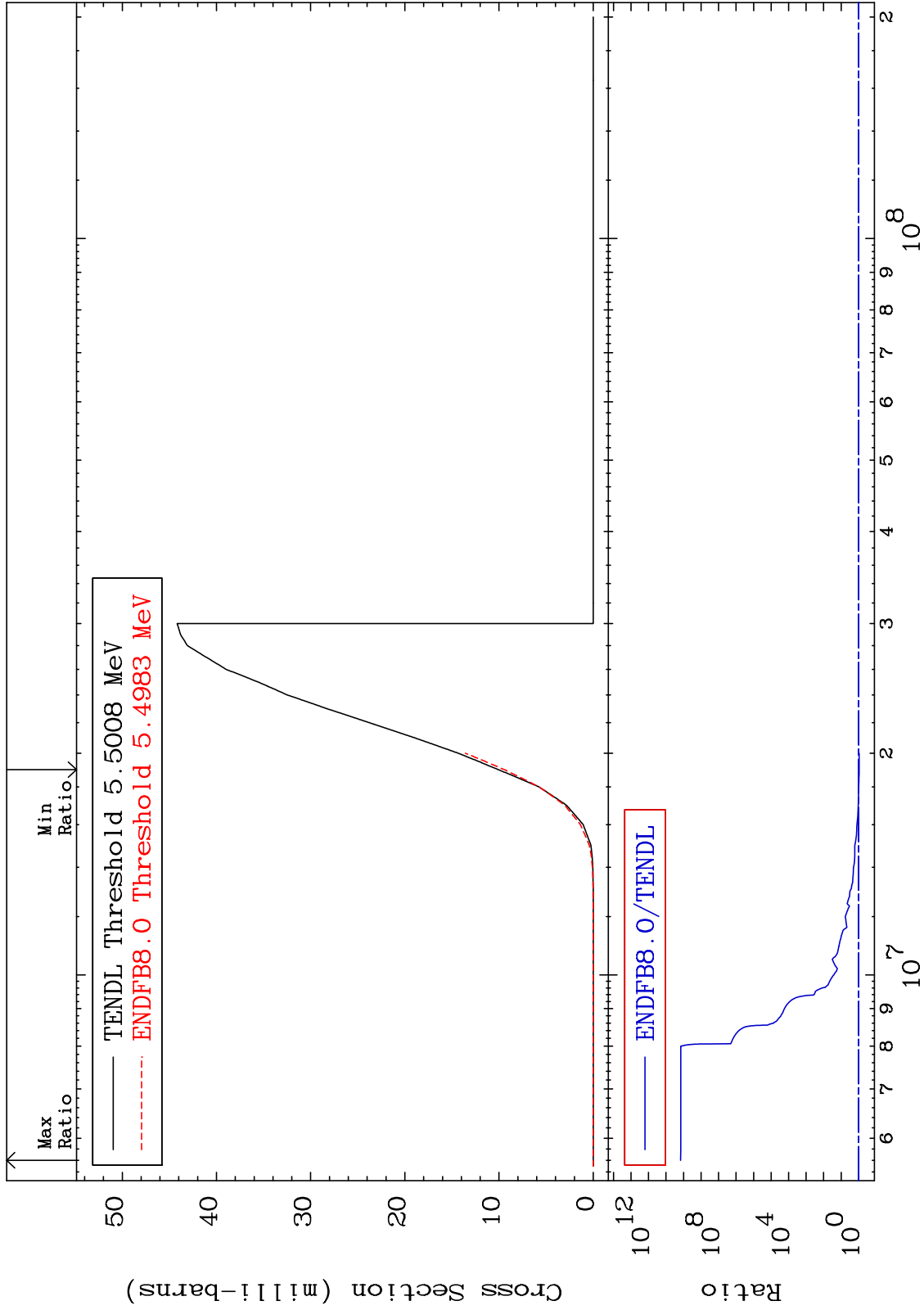
MAT 4028

(n,n') α

40-Zr-91

Cross Section

-6.319 To 9999. %



5

40-Zr-91

40-Zr-91

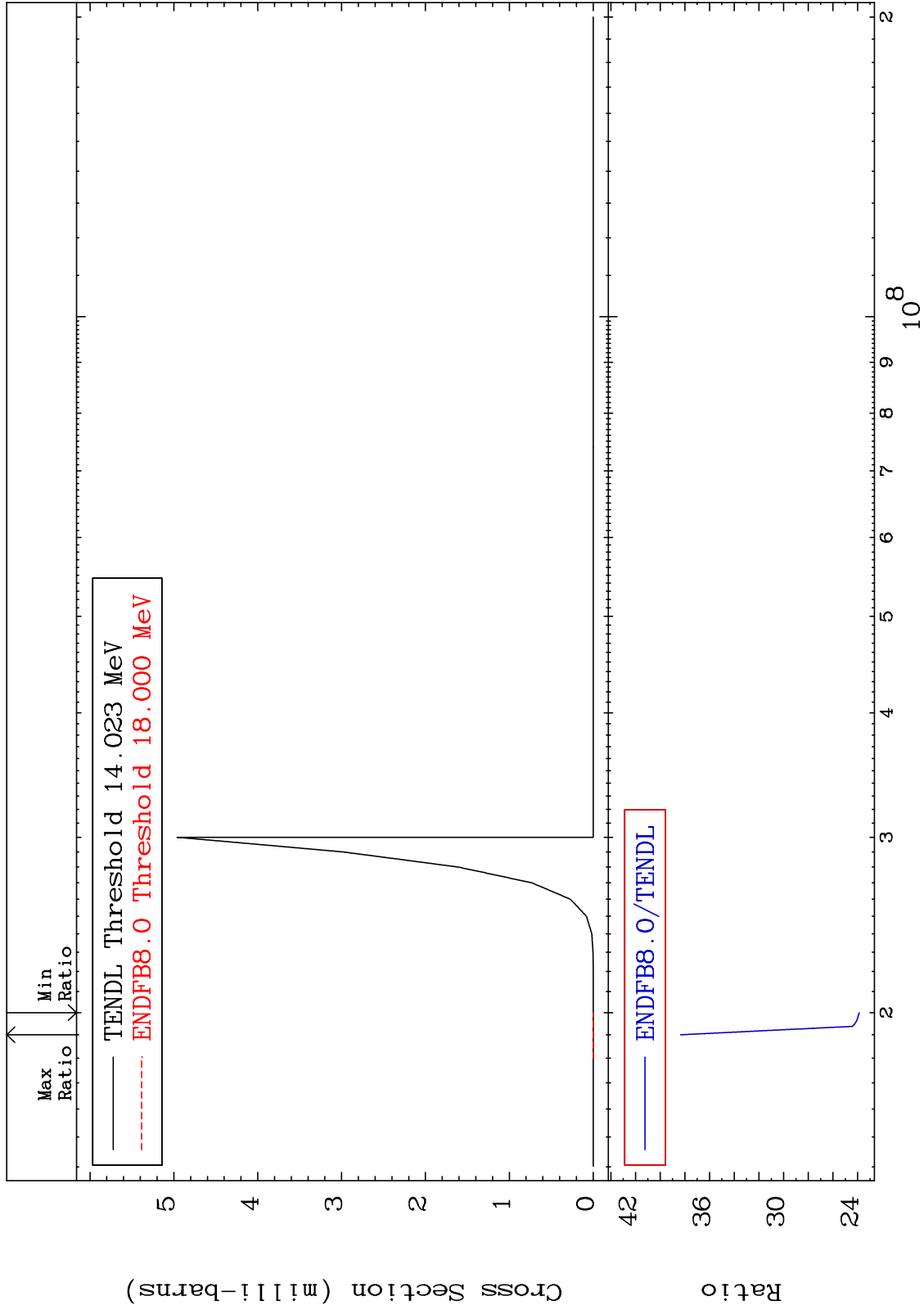
MAT 4028

(n,2n) α

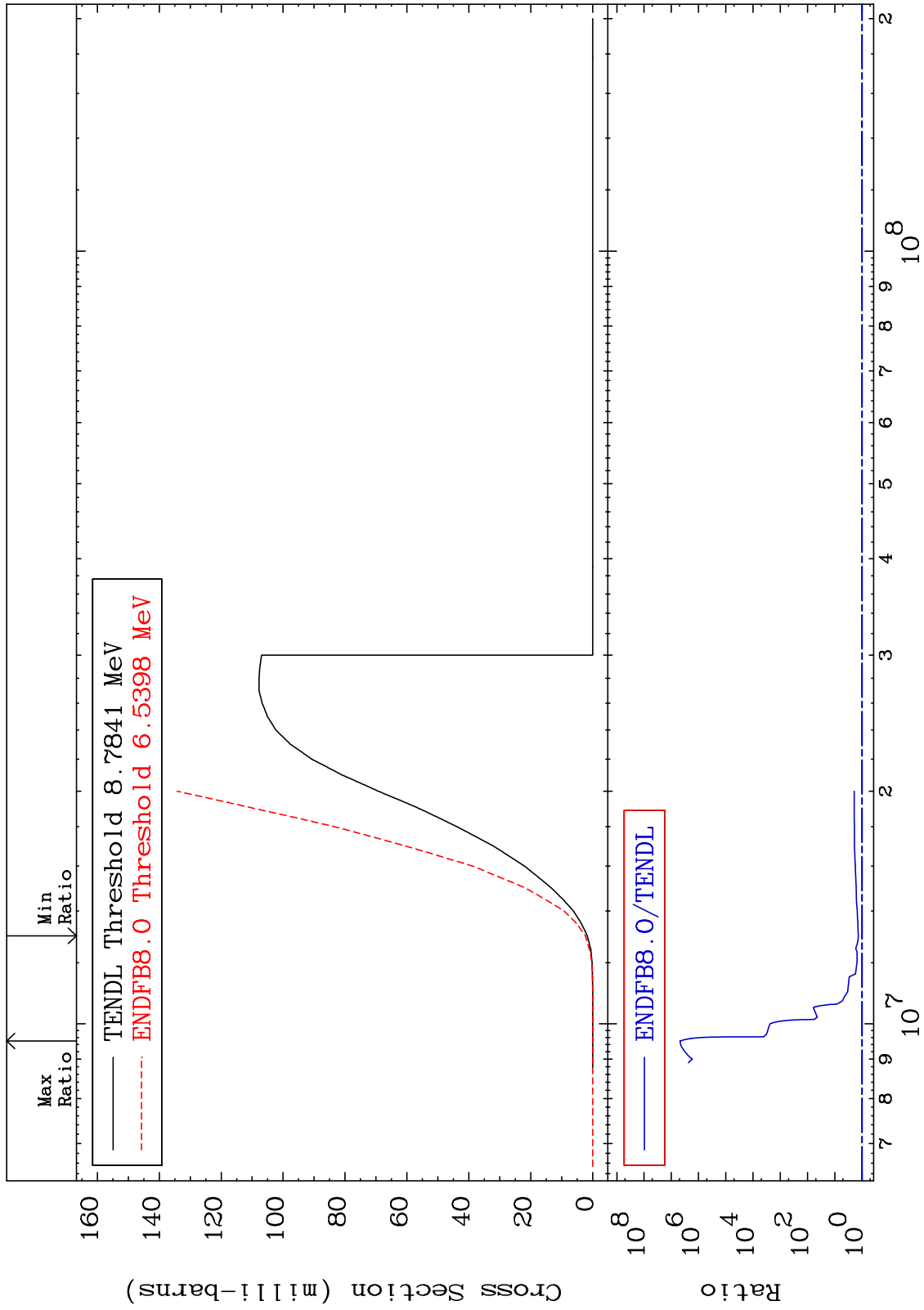
40-Zr-91

Cross Section

2287. To 3735. %



MAT 4028 (n,n') p 40-Zr-91
 Cross Section 35.62 To 9999. %



7 Incident Energy (eV) 40-Zr-91

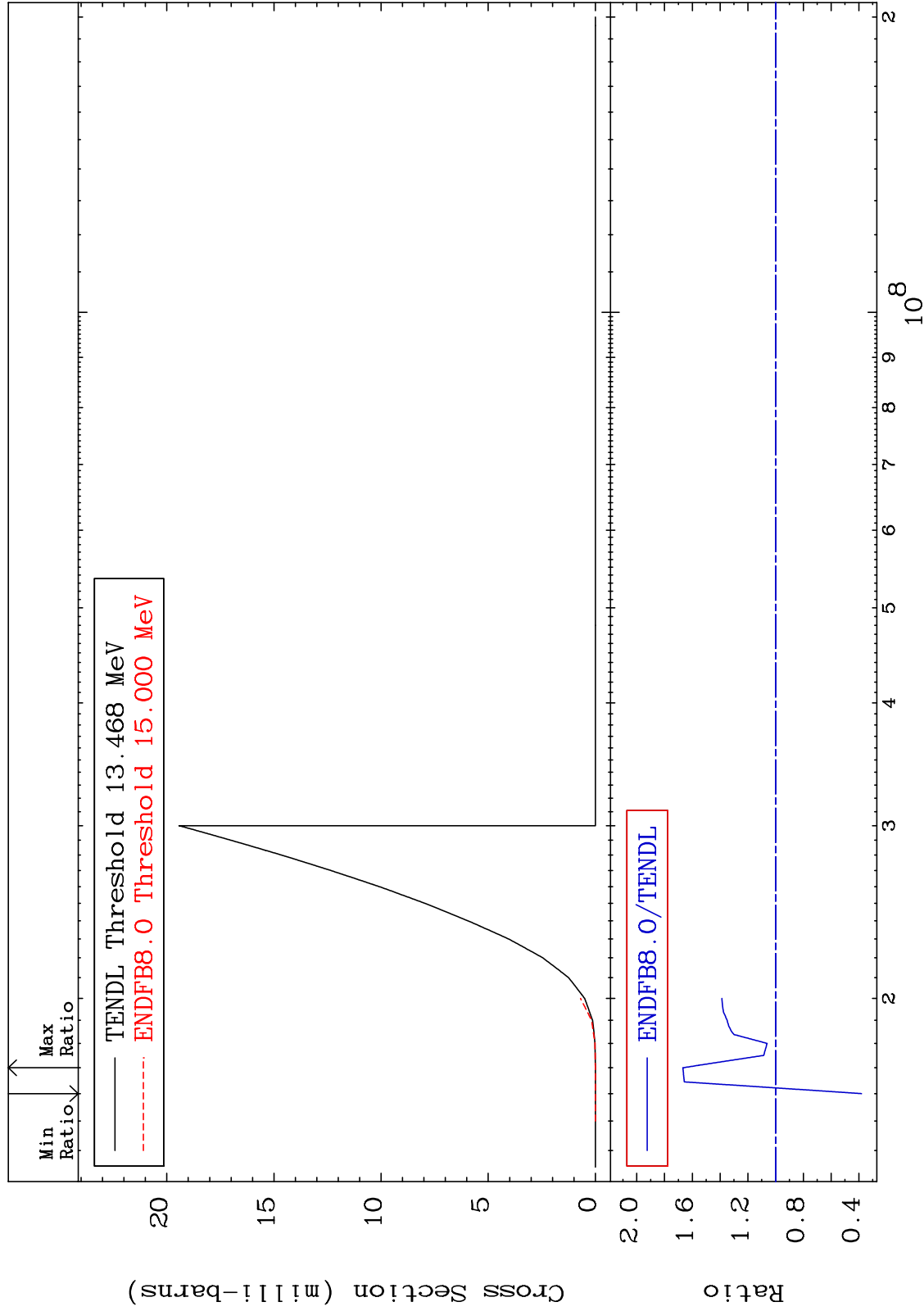
MAT 4028

(n,n') d

40-Zr-91

Cross Section

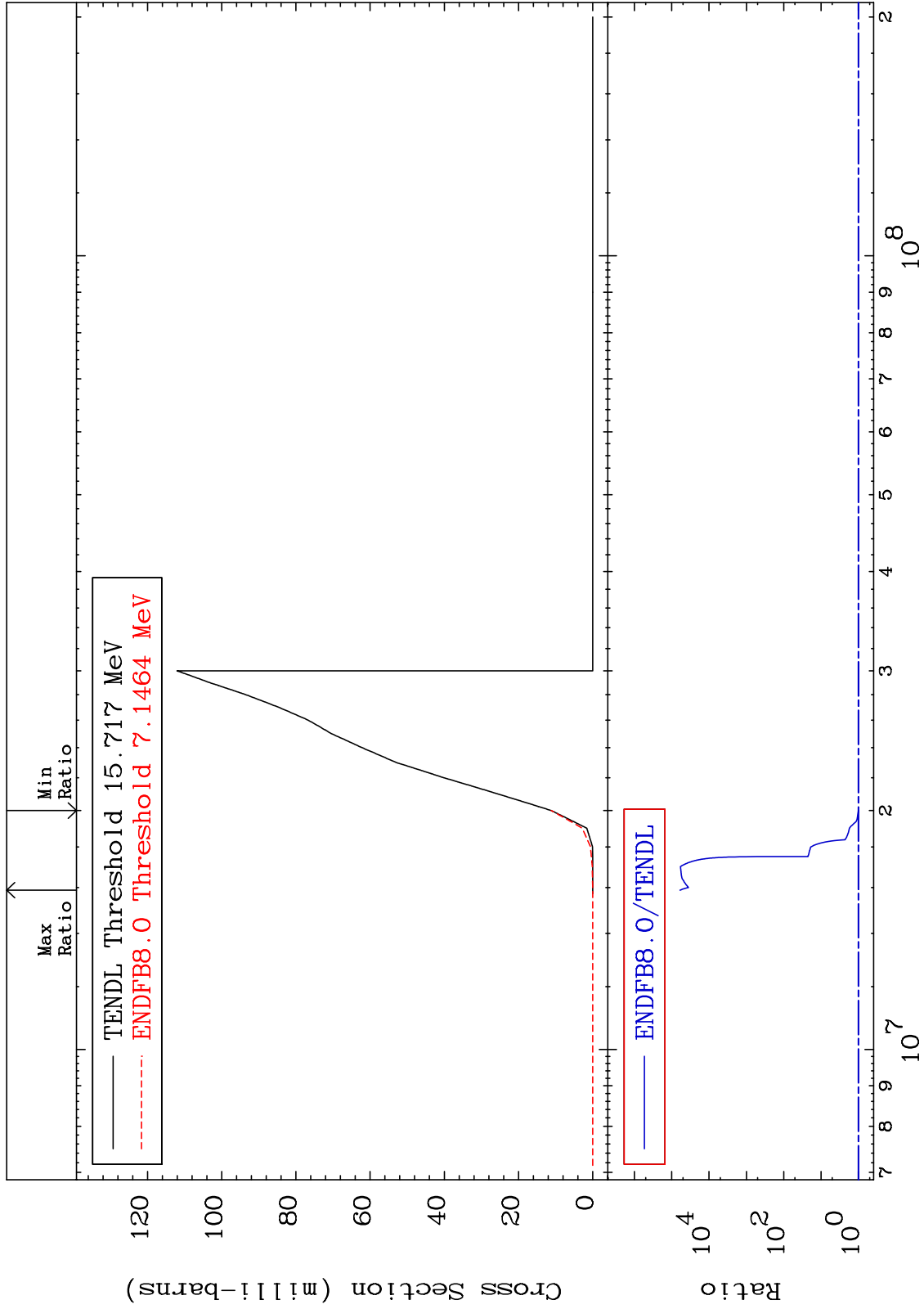
-61.95 To 66.80 %



MAT 4028

(n,2n) p
Cross Section

40-Zr-91
-0.223 To 9999. %

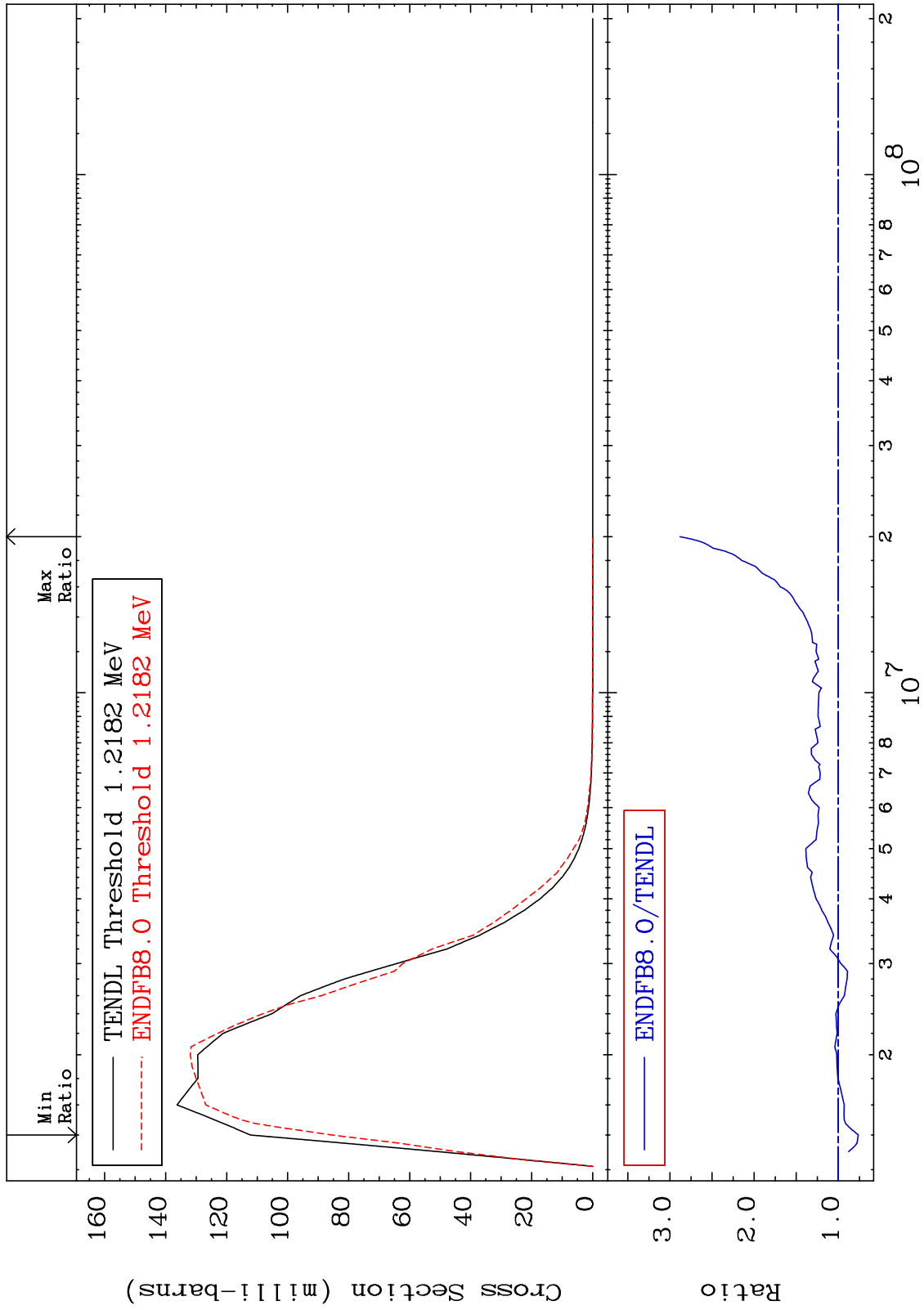


9

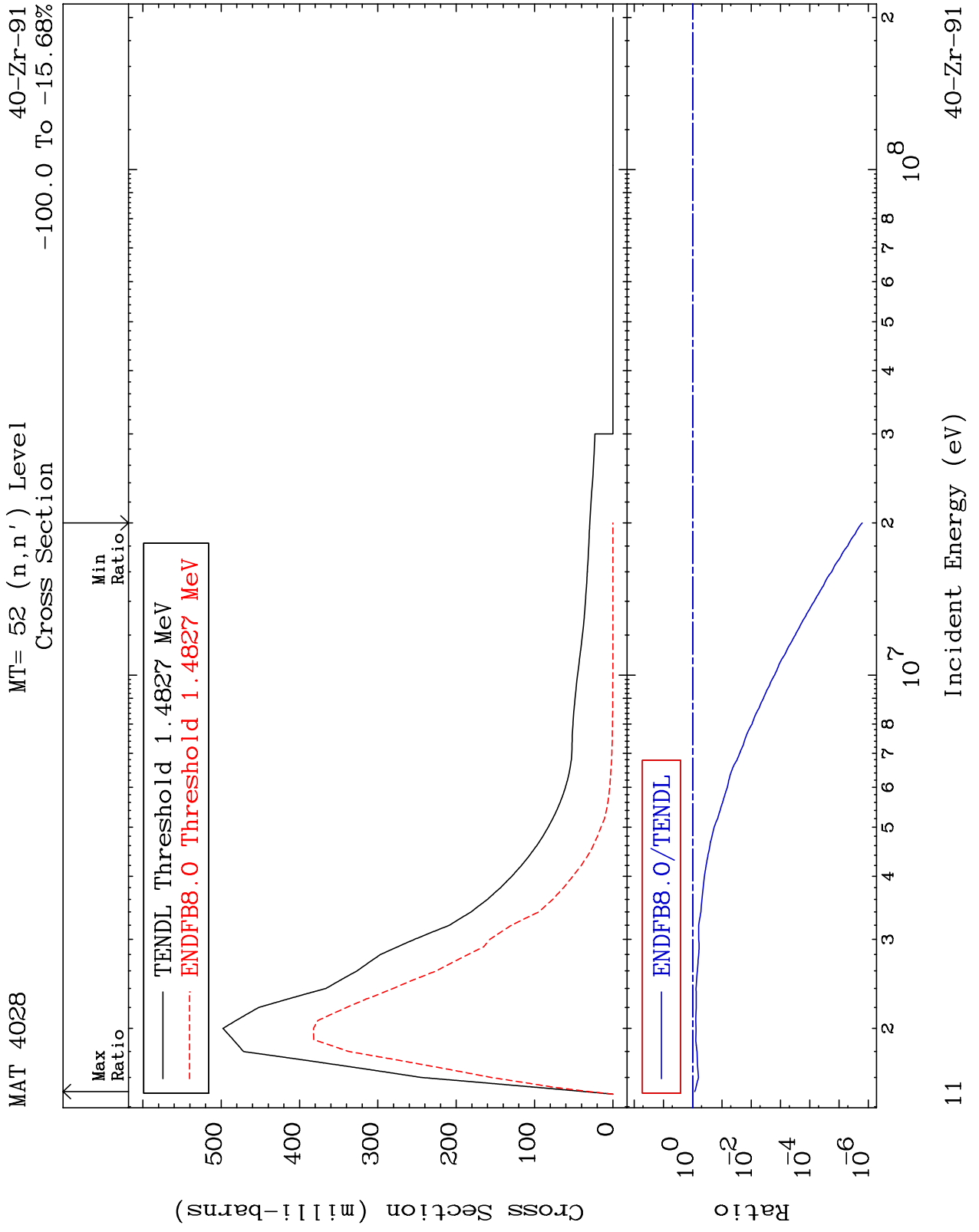
Incident Energy (eV)

40-Zr-91

MAT 4028 MT= 51 (n, n') Level Cross Section 40-Zr-91 -23.83 To 188.1 %



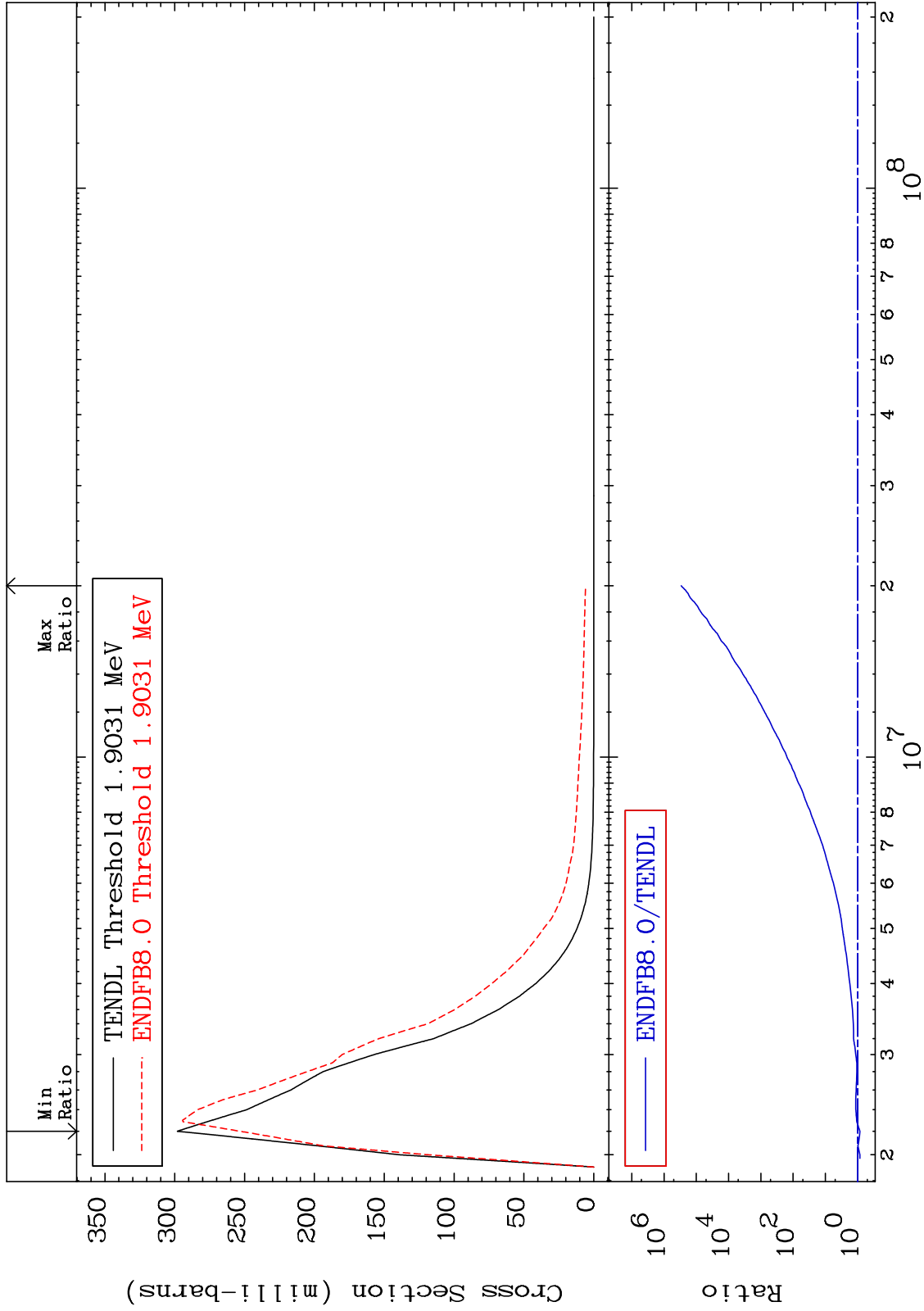
10 40-Zr-91



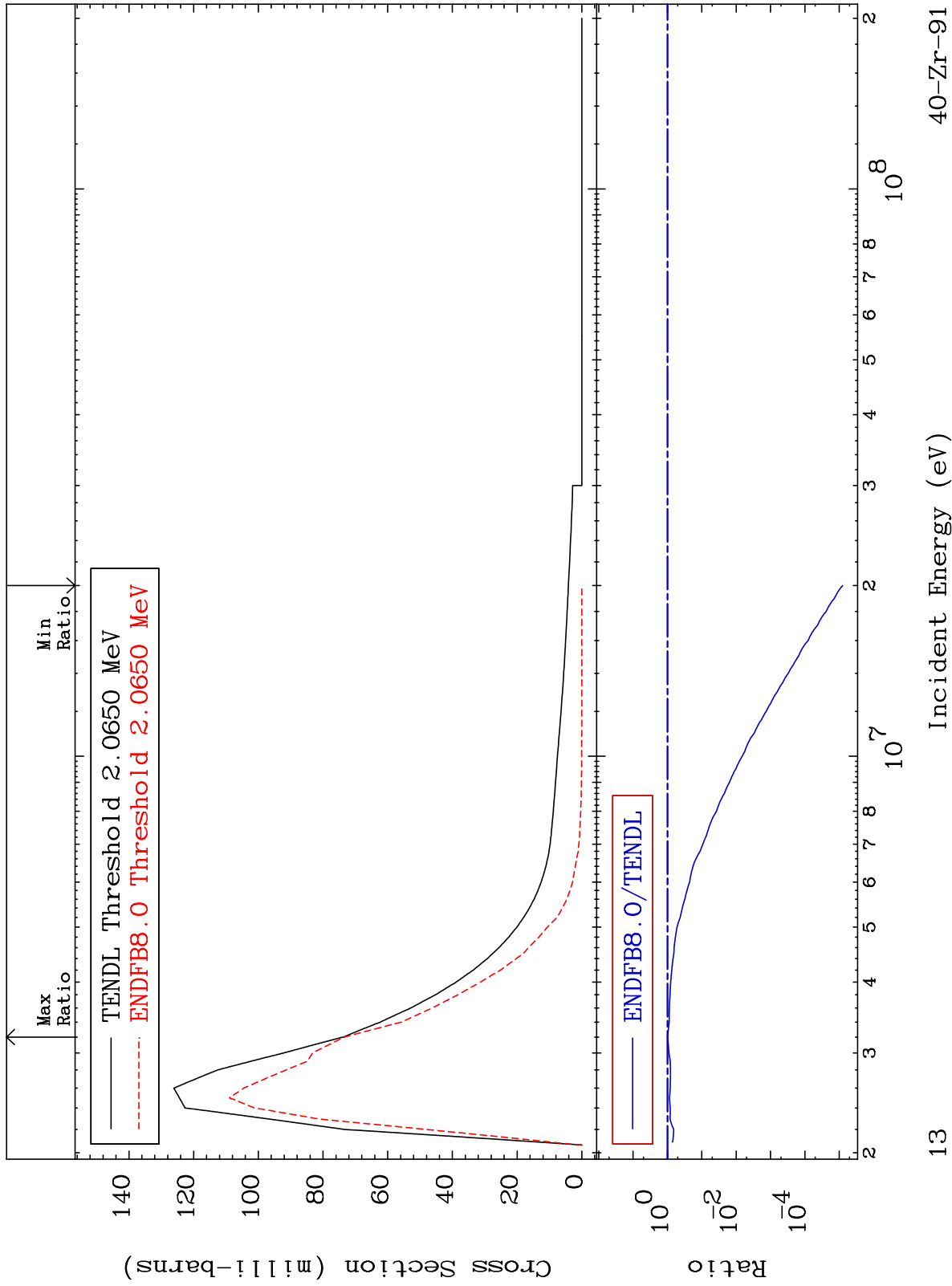
MAT 4028

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

40-Zr-91
-14.99 To 9999. %



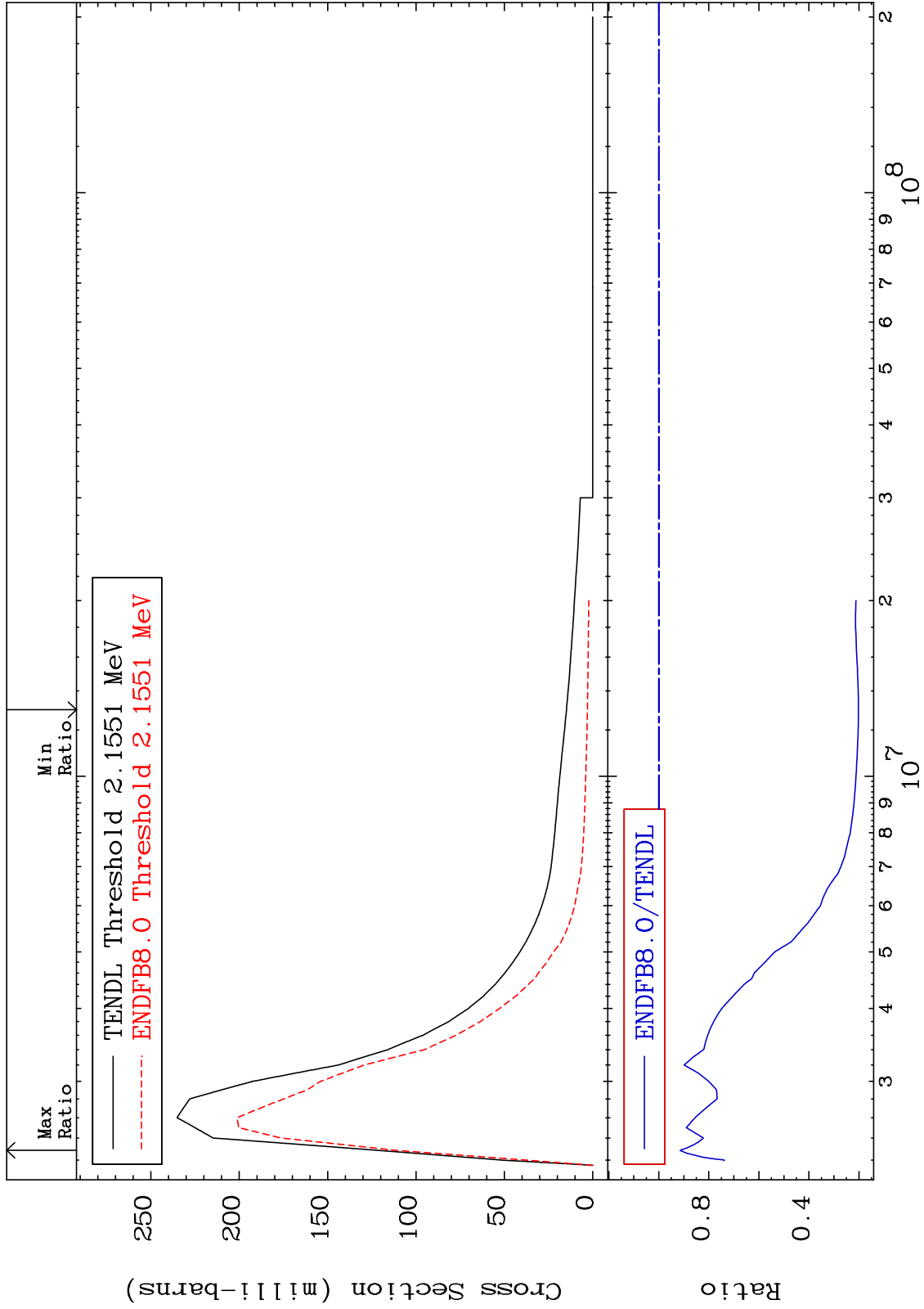
MAT 4028 MT= 54 (n,n') Level Cross Section 40-Zr-91
 -100.0 To -0.554%



MAT 4028

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

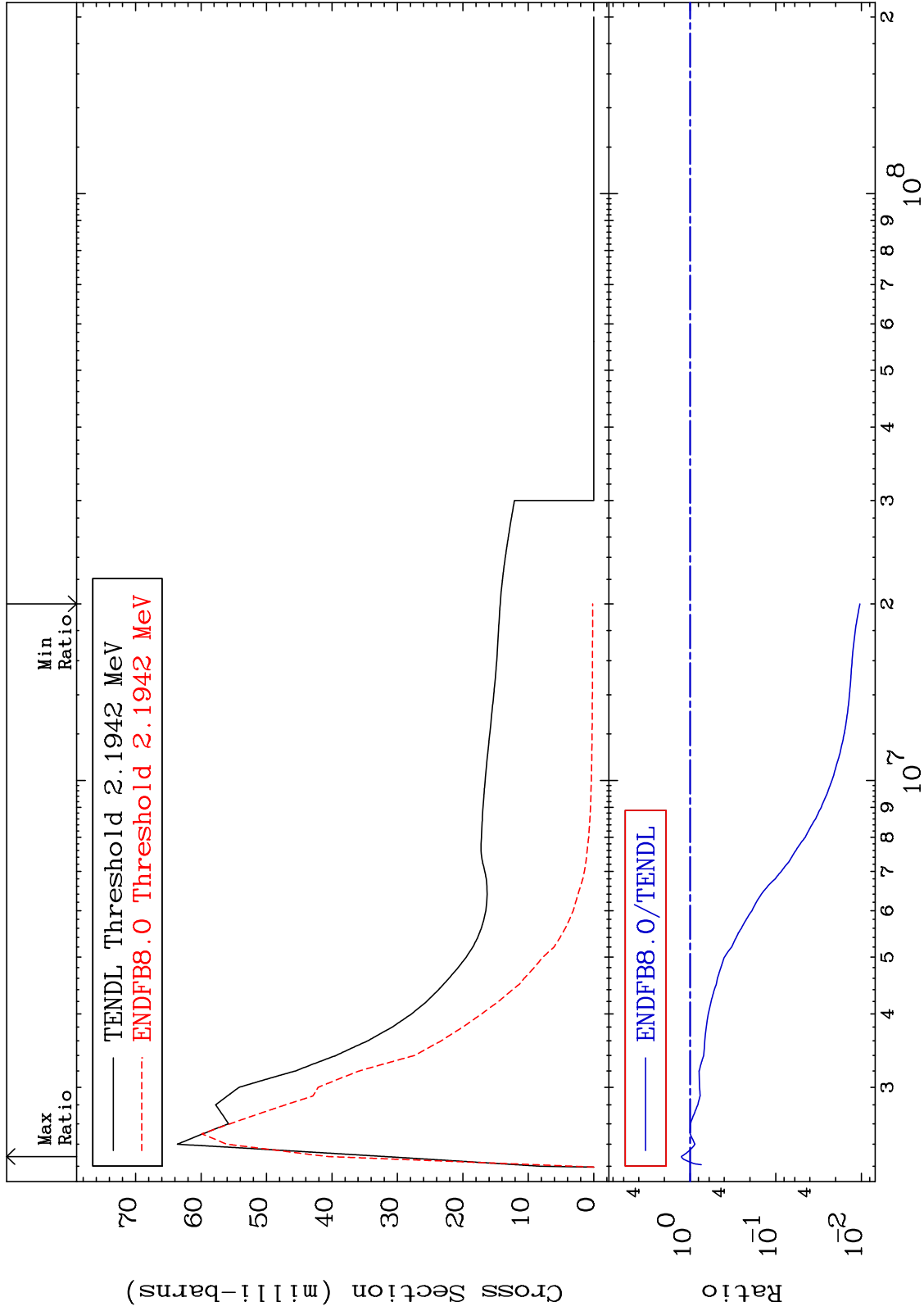
40-Zr-91
-79.77 To -8.480%



MAT 4028

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

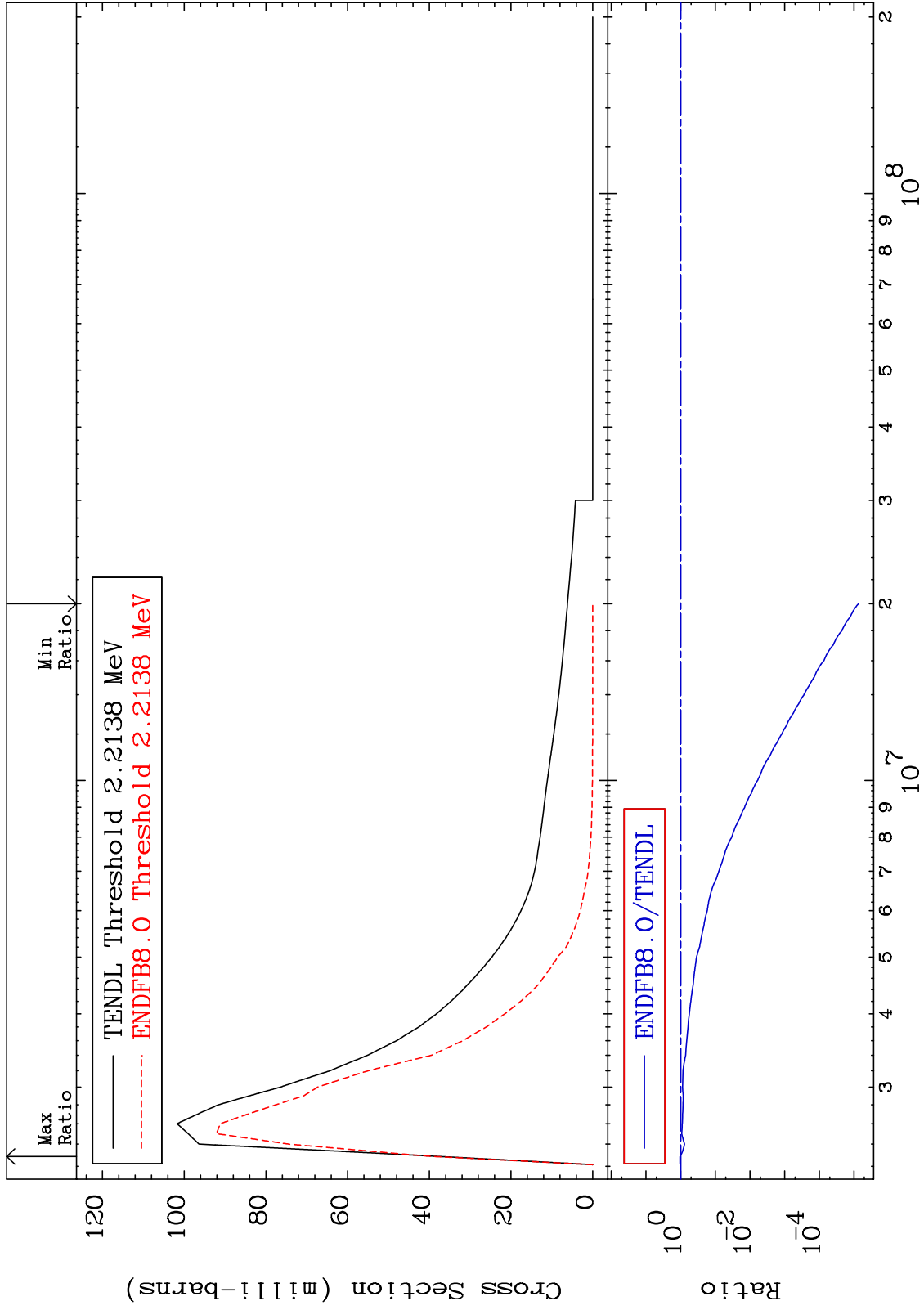
40-Zr-91
-98.96 To 27.31 %

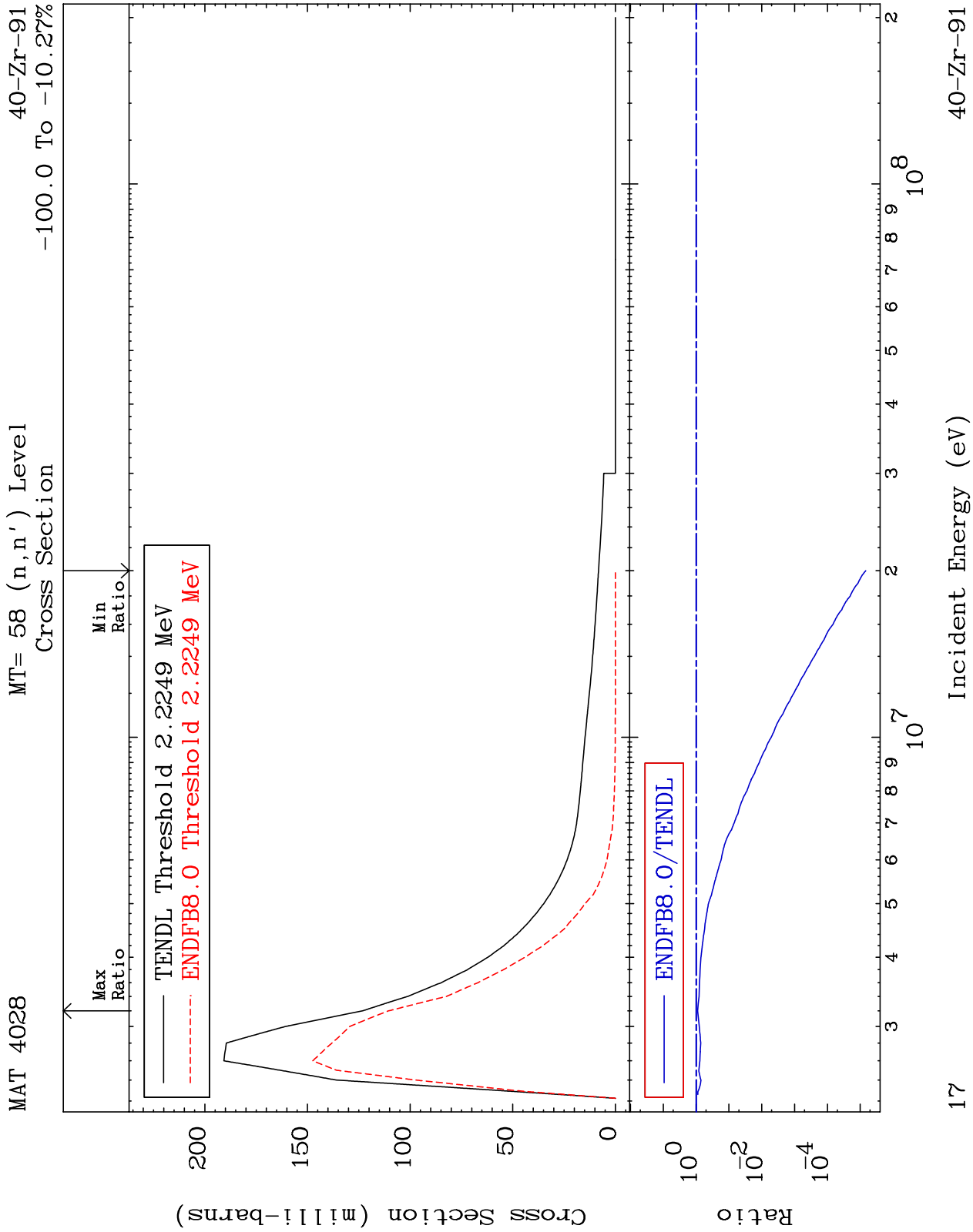


MAT 4028

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

40-Zr-91
-100.0 To 3.819 %

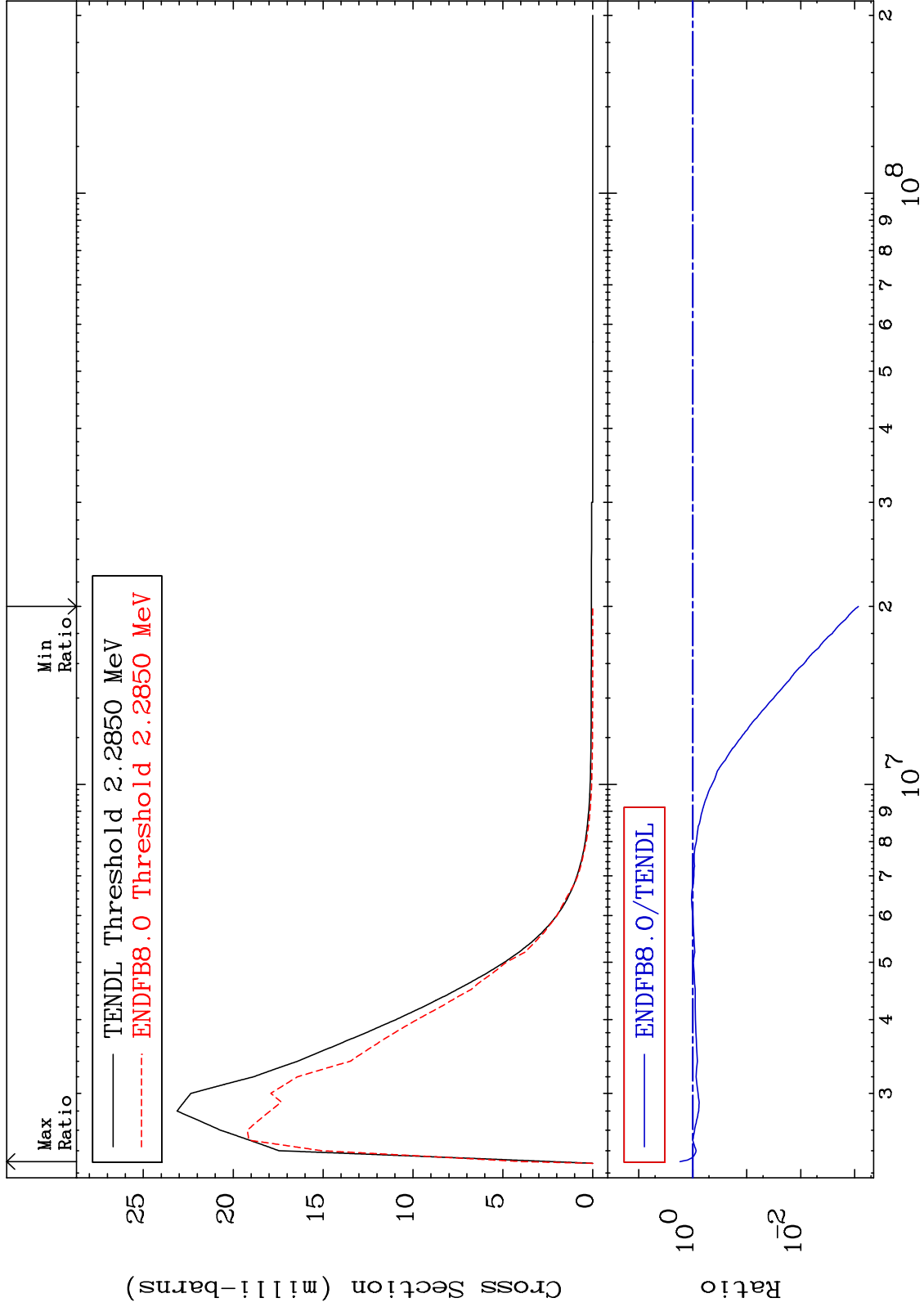




MAT 4028

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

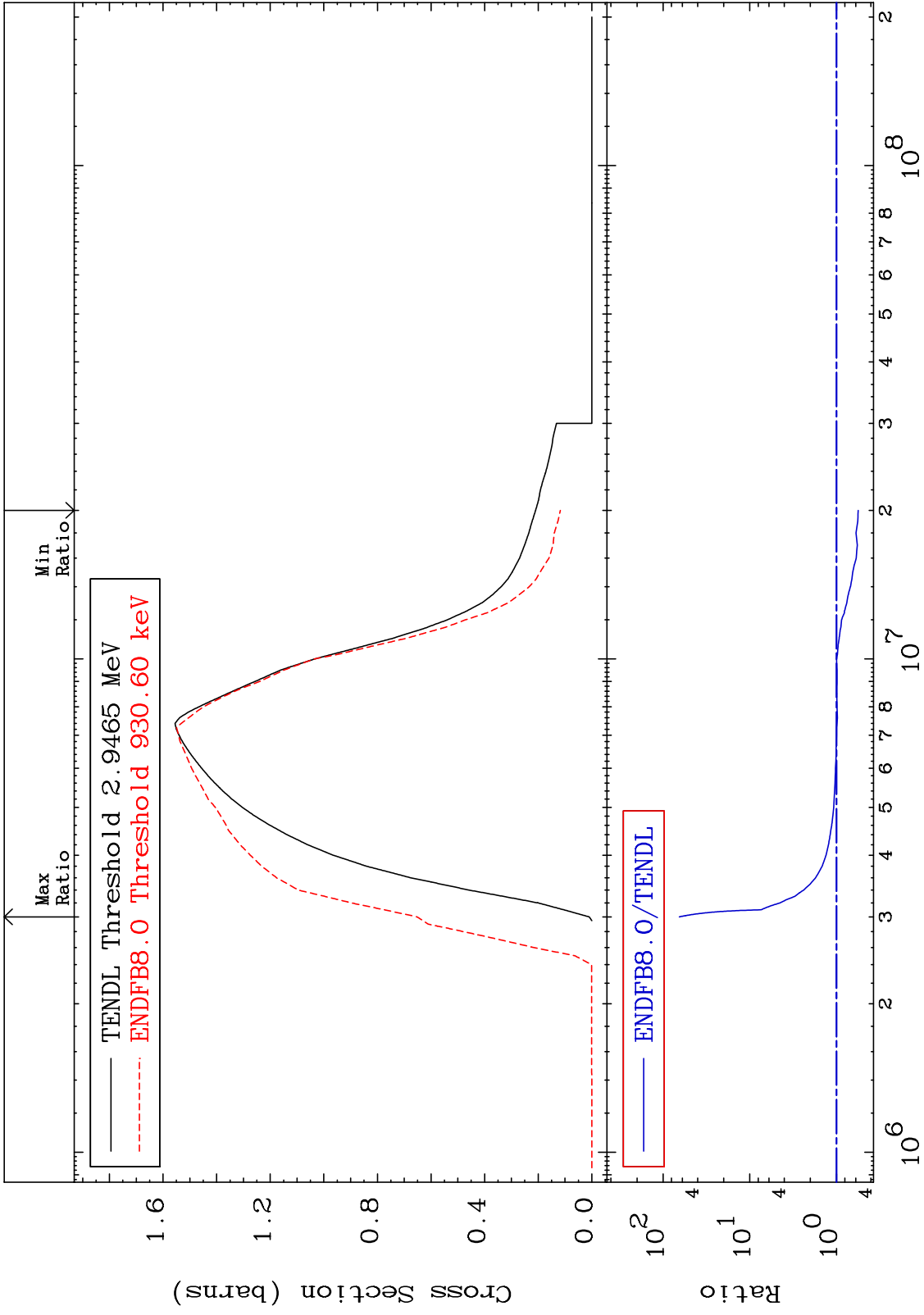
40-Zr-91
-99.91 To 72.10 %



MAT 4028

(n, n') Continuum
Cross Section

40-Zr-91
-43.89 To 6390. %



19

Incident Energy (eV)

40-Zr-91

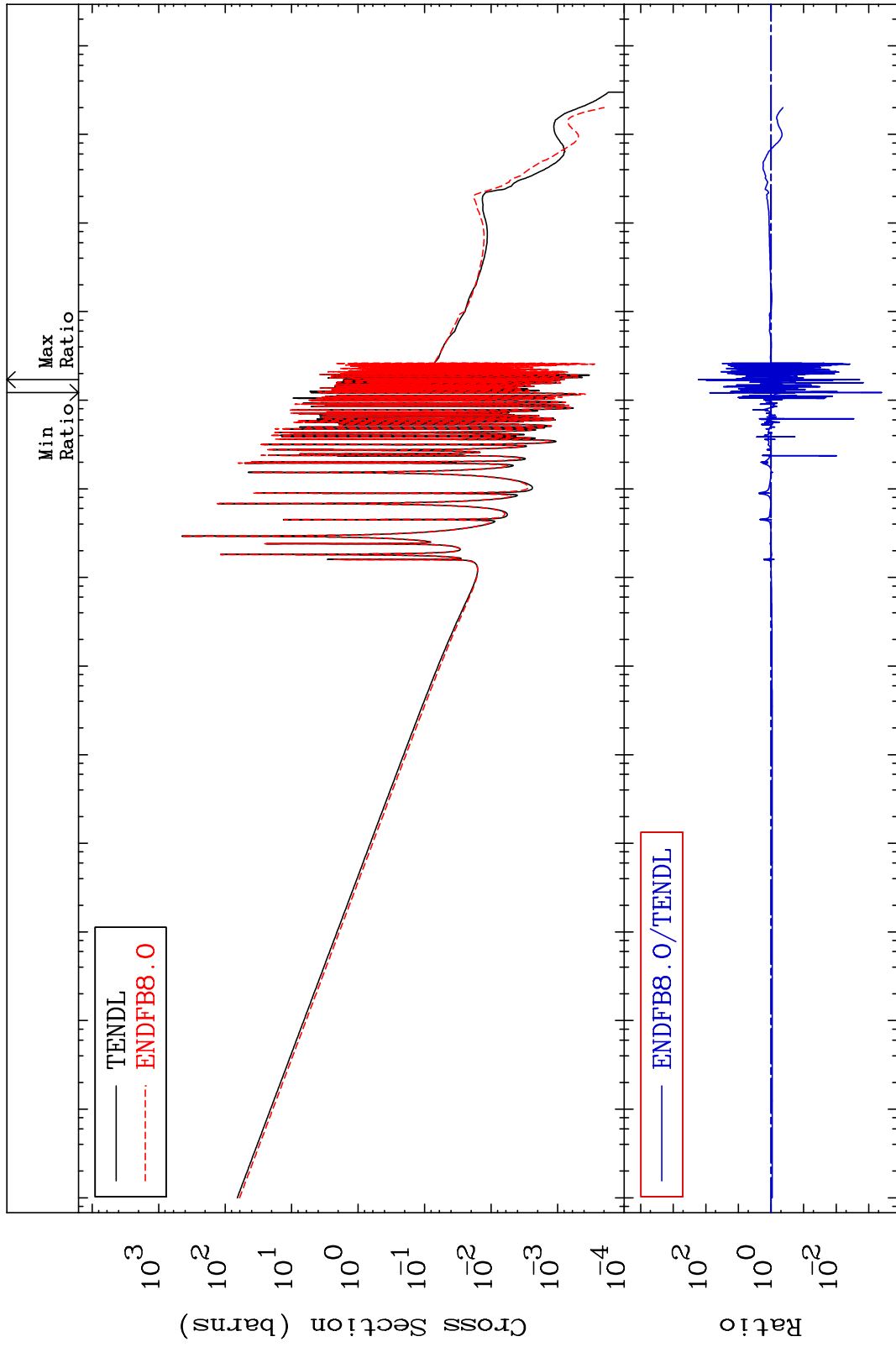
MAT 4028

(n, γ)

40-Zr-91

Cross Section

-99.96 To 9999. %



Incident Energy (eV)

40-Zr-91

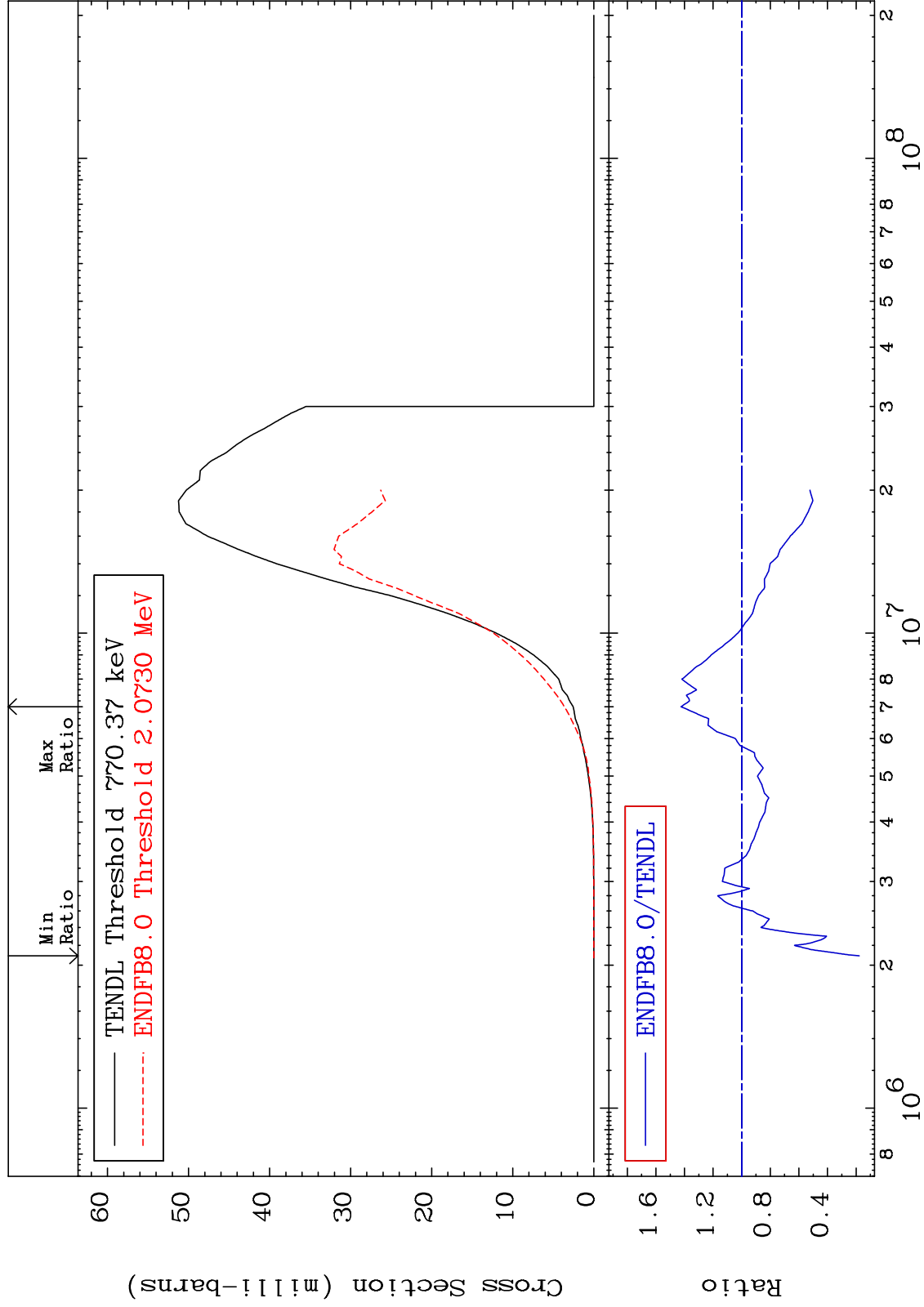
MAT 4028

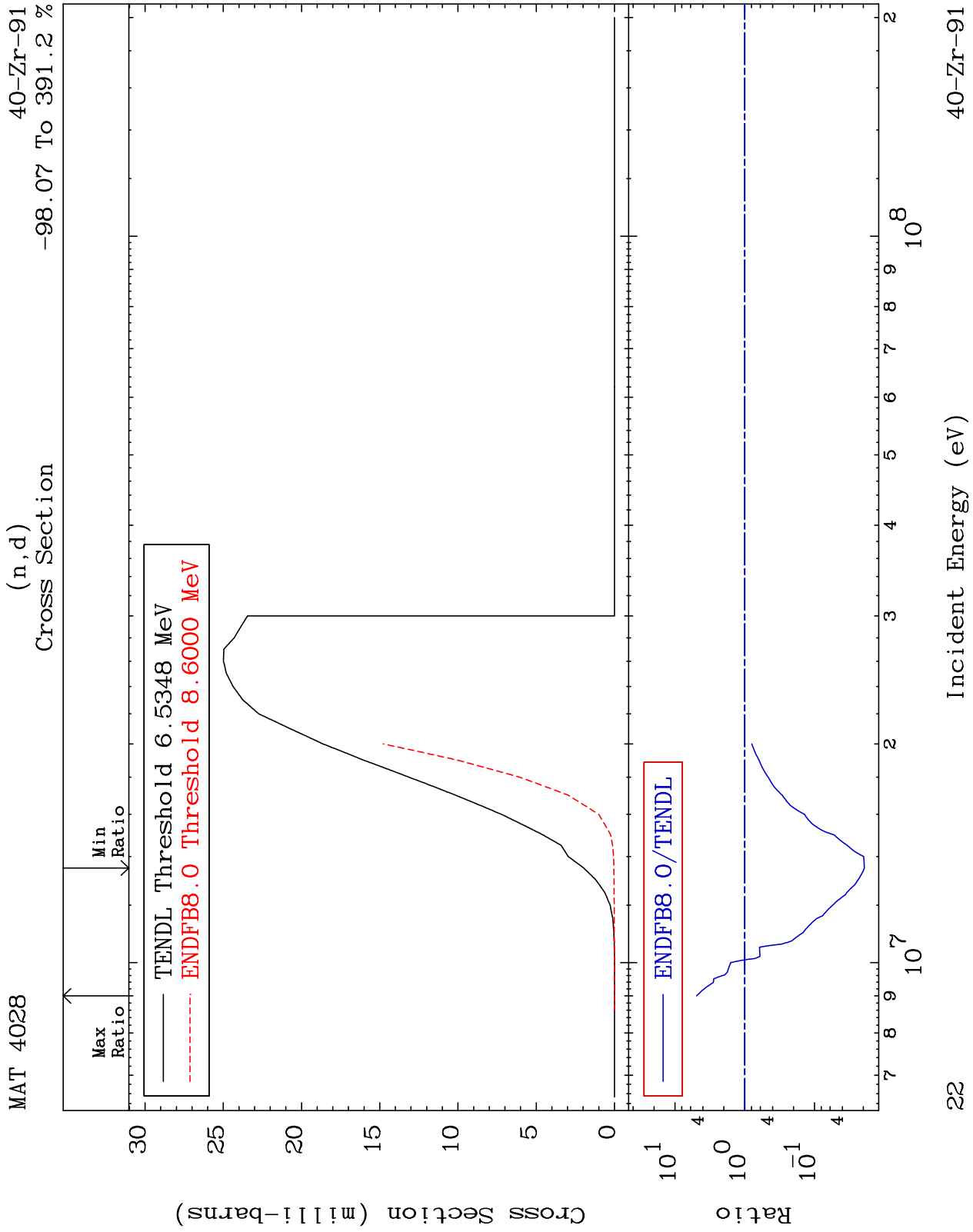
(n,p)

40-Zr-91

Cross Section

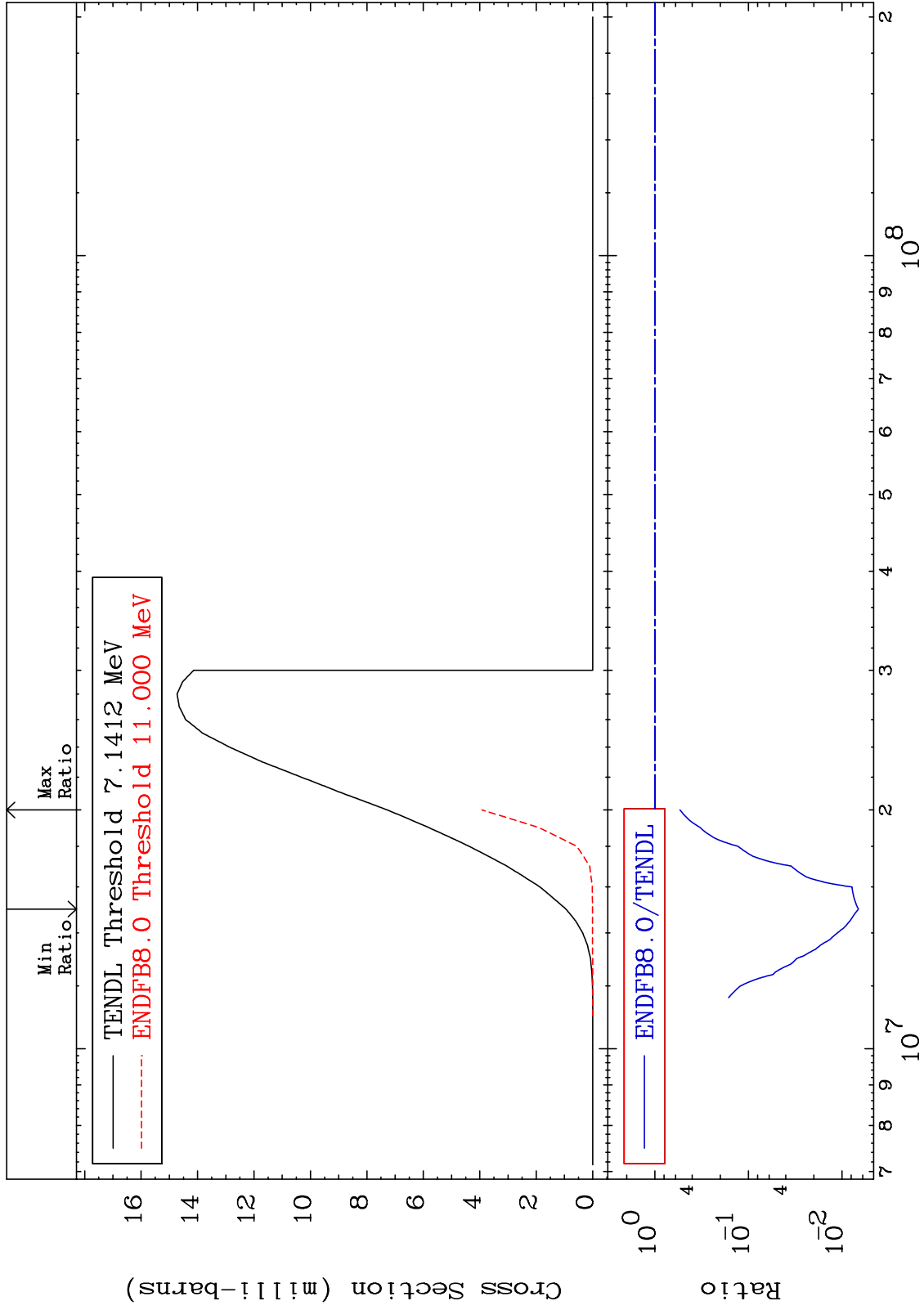
-82.24 To 42.42 %





MAT 4028

(n, t) Cross Section
40-Zr-91
-99.33 To -46.06%



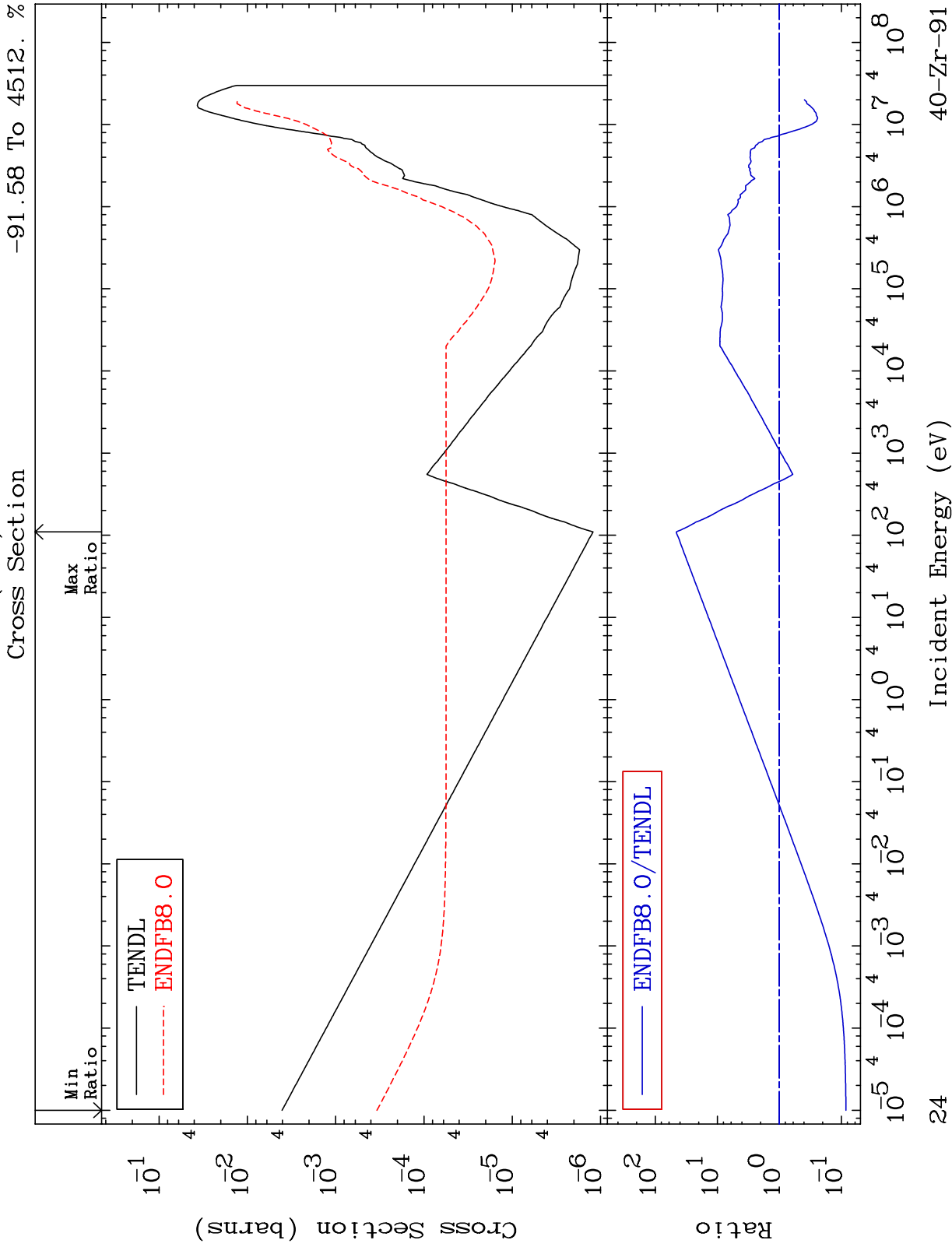
40-Zr-91

Incident Energy (eV)

MAT 4028

(n, α)

40-Zr-91
-91.58 To 4512. %



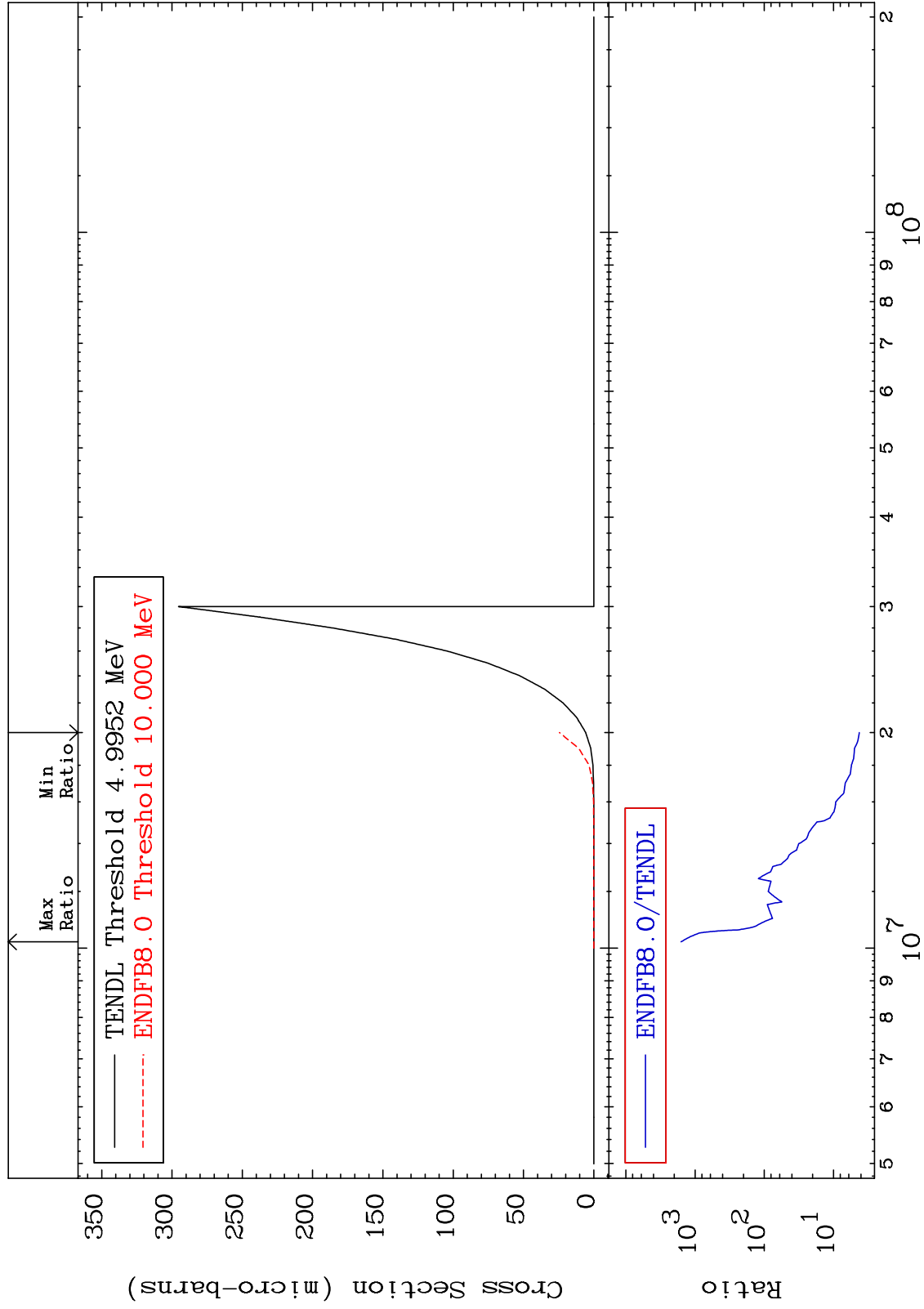
MAT 4028

(n,p) α

40-Zr-91

Cross Section

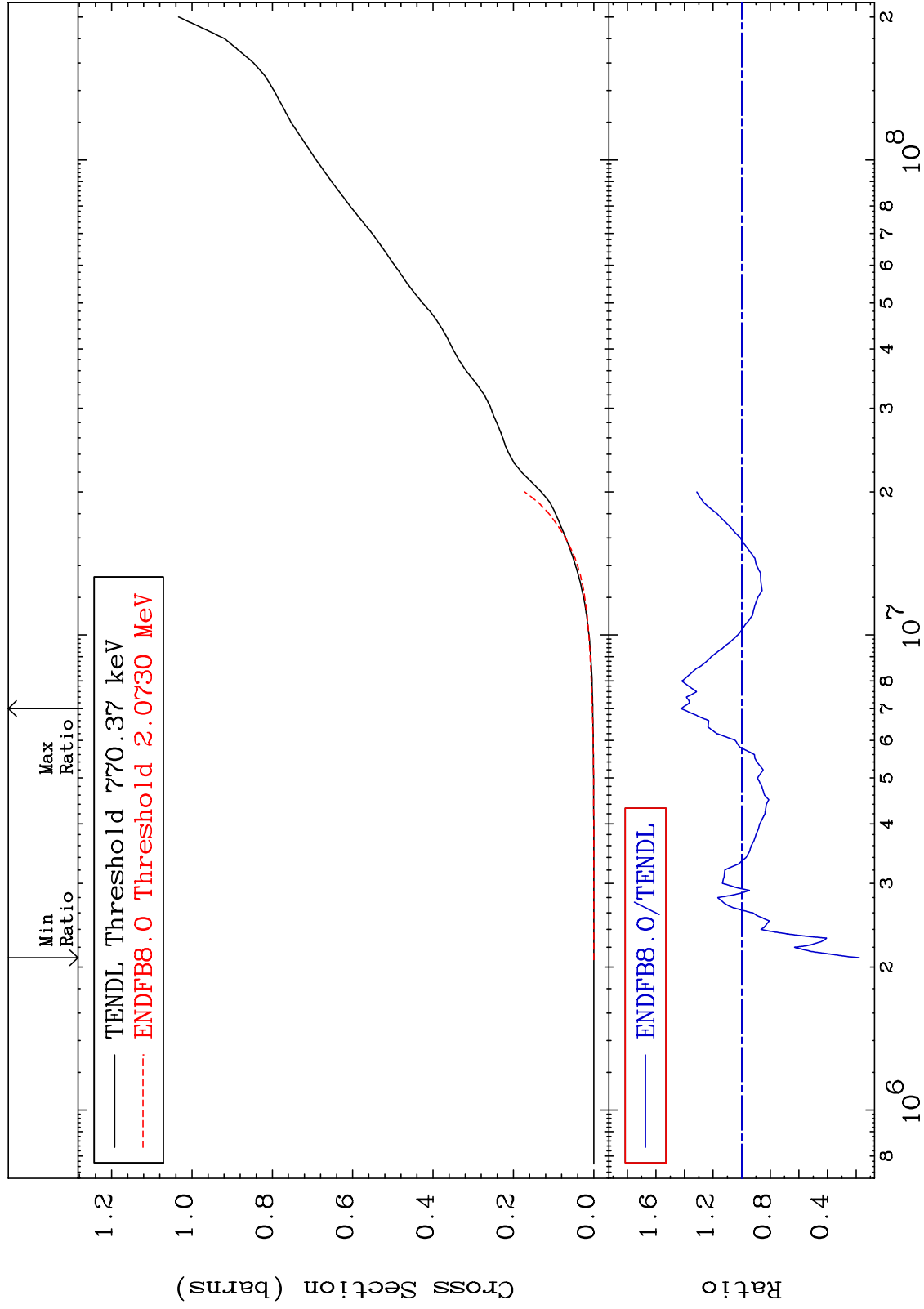
324.2 To 9999. %



MAT 4028

Hydrogen Production
Cross Section

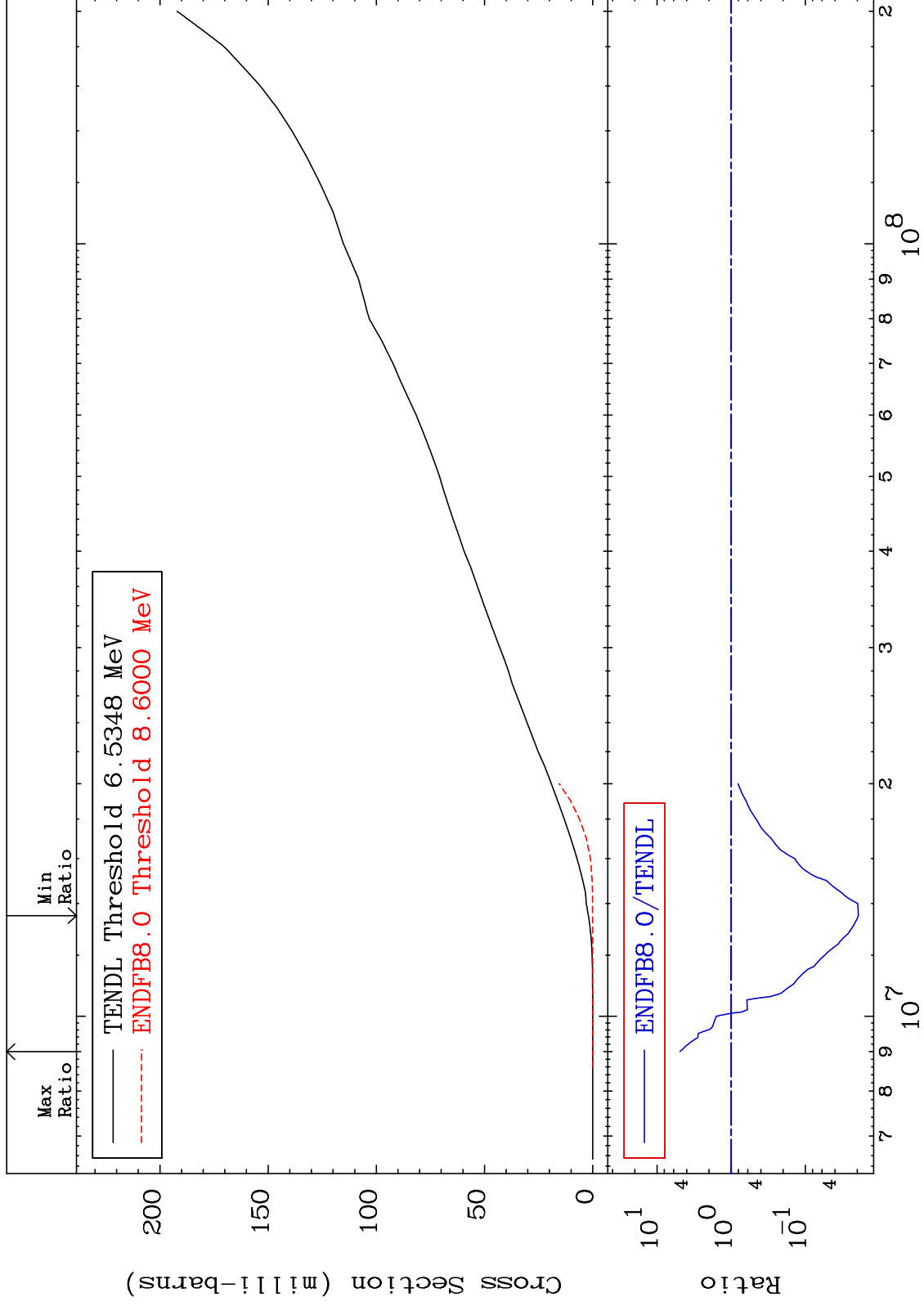
40-Zr-91
-82.24 To 42.42 %



MAT 4028

Deuterium Production
Cross Section

40-Zr-91
-98.07 To 391.2 %



27

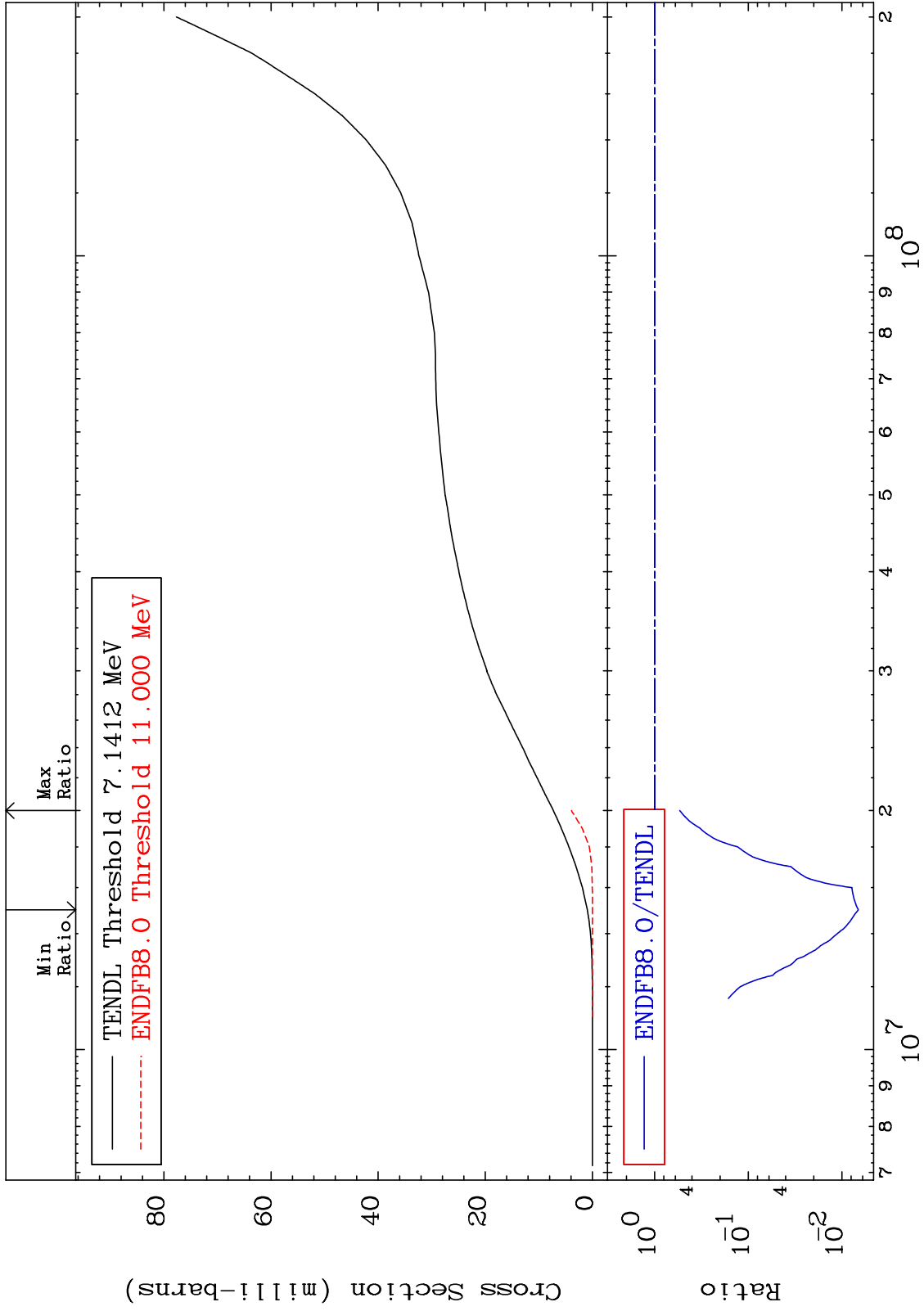
Incident Energy (eV)

40-Zr-91

MAT 4028

Tritium Production
Cross Section

40-Zr-91
-99.33 To -46.06%



28

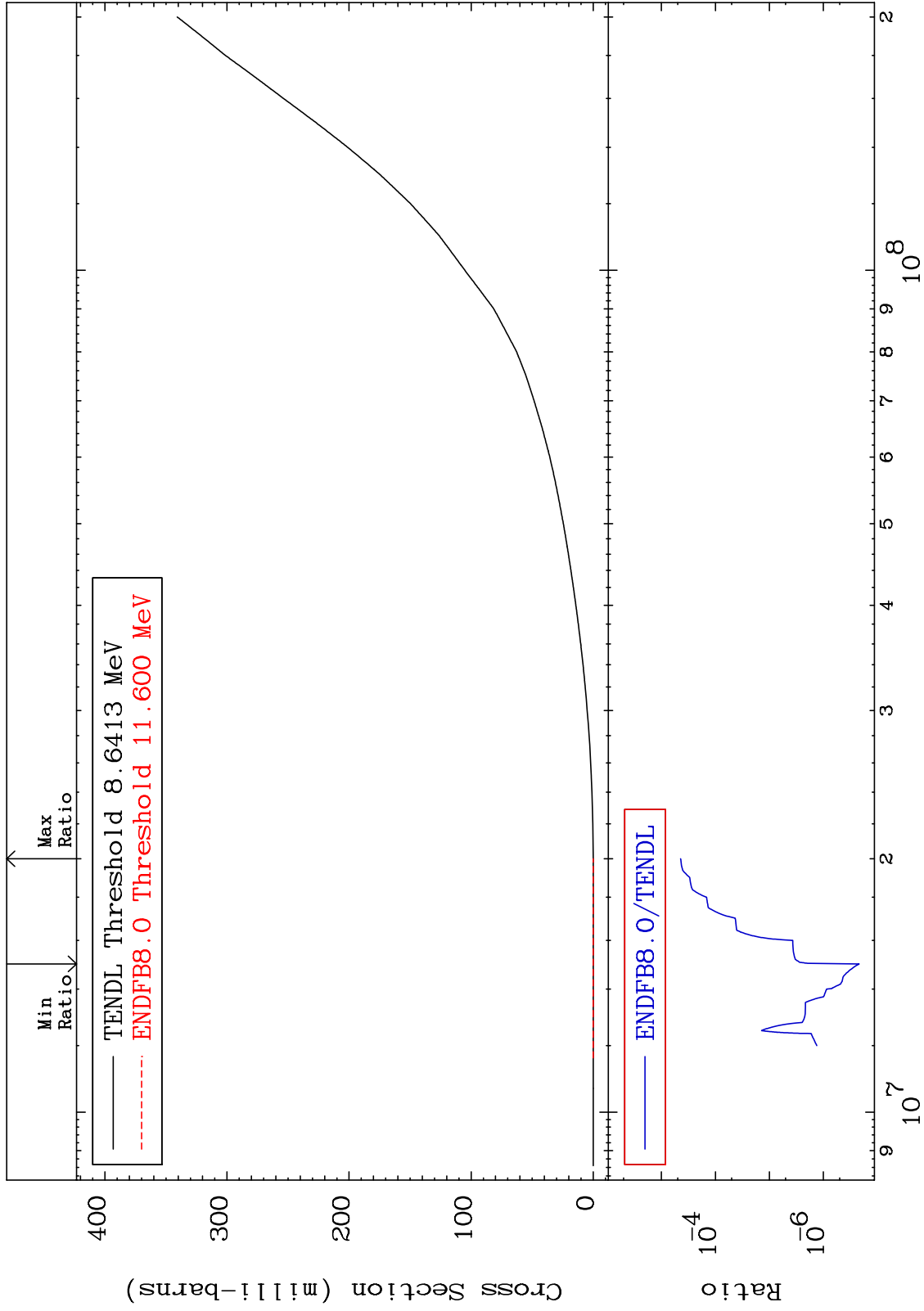
Incident Energy (eV)

40-Zr-91

MAT 4028

He-3 Production
Cross Section

40-Zr-91
-100.0 To -99.96%



29

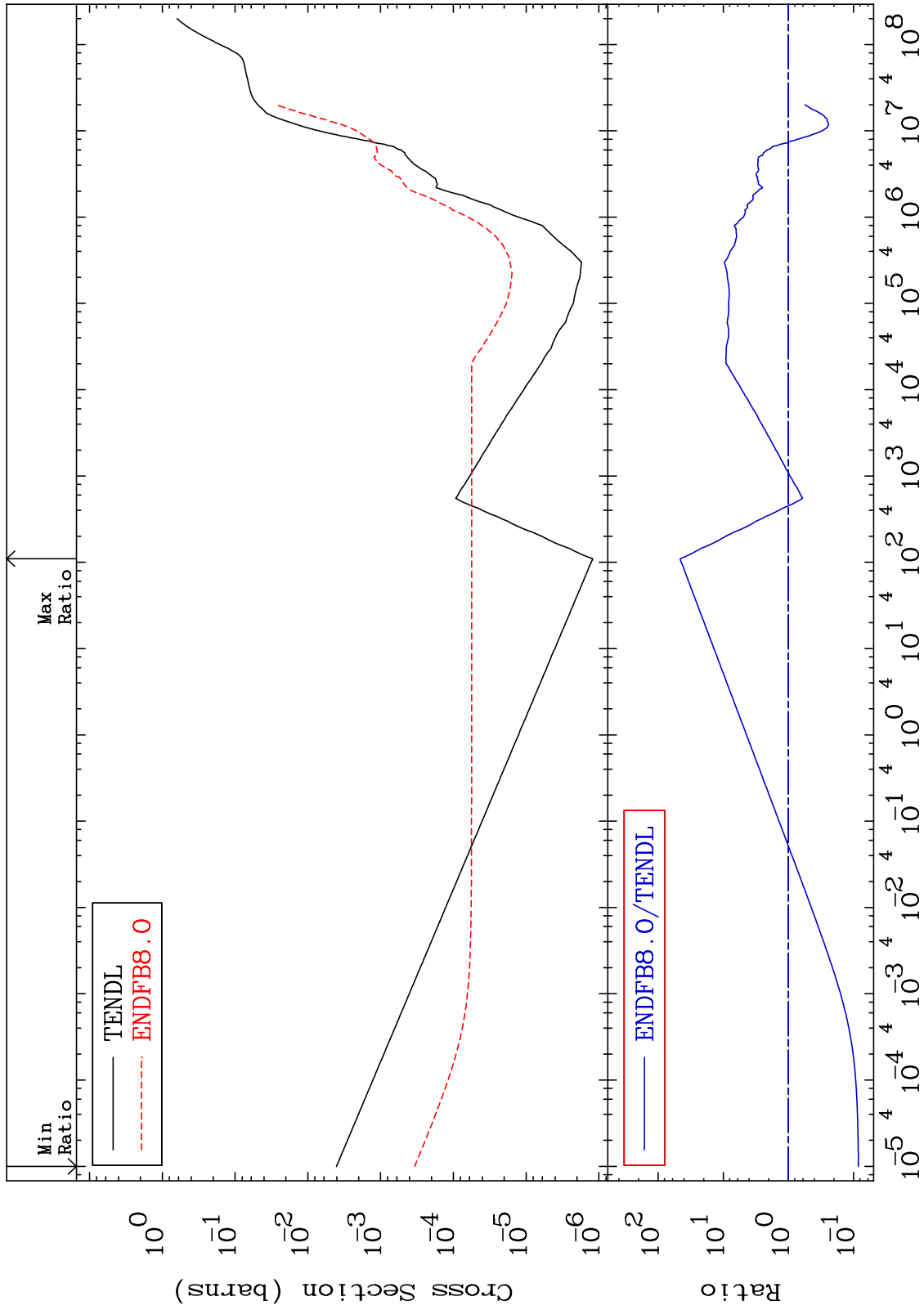
Incident Energy (eV)

40-Zr-91

MAT 4028

He-4 Production
Cross Section

40-Zr-91
-91.58 To 4512. %



30

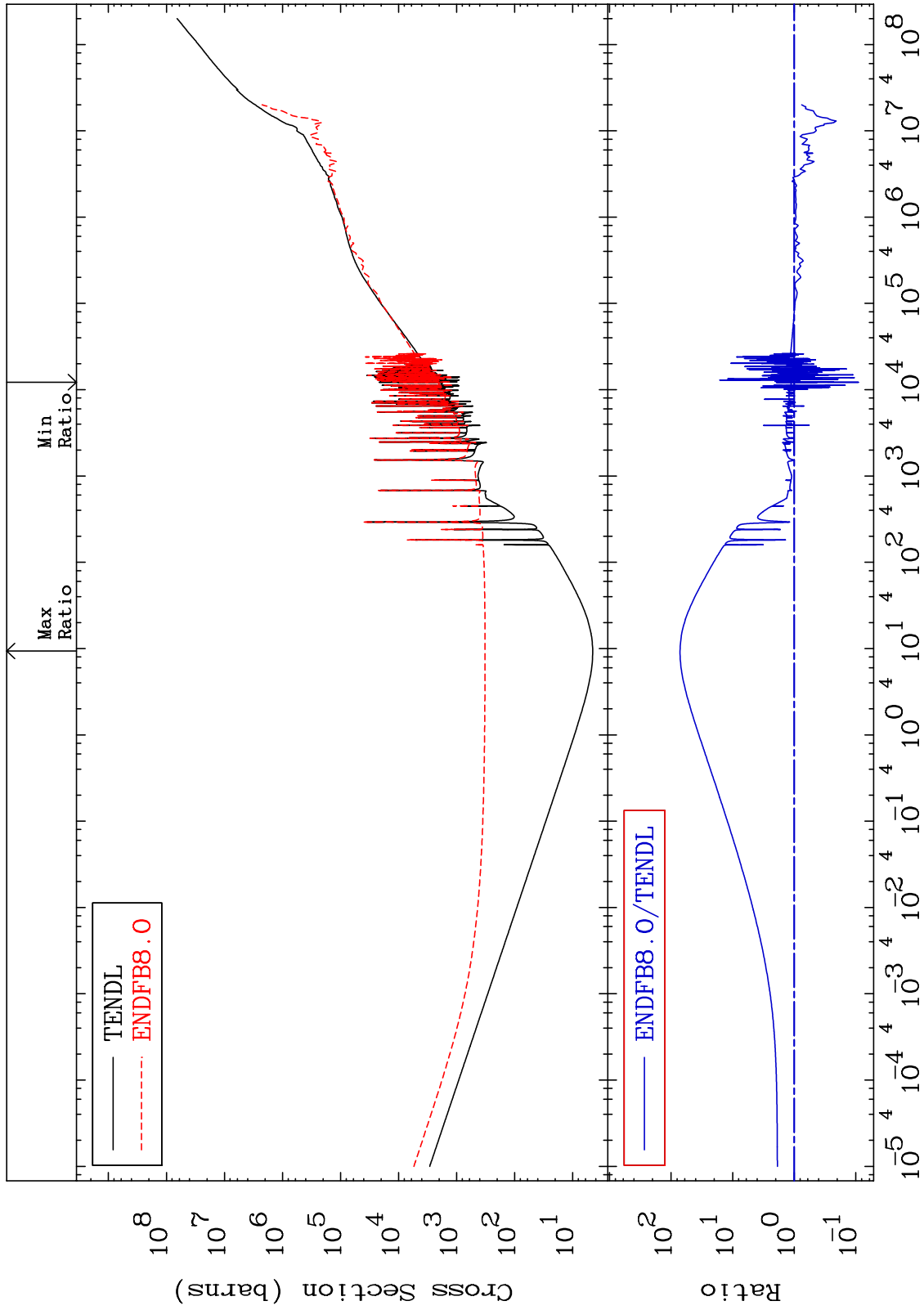
Incident Energy (eV)

40-Zr-91

MAT 4028

Kerma total (eV-barns)
Cross Section

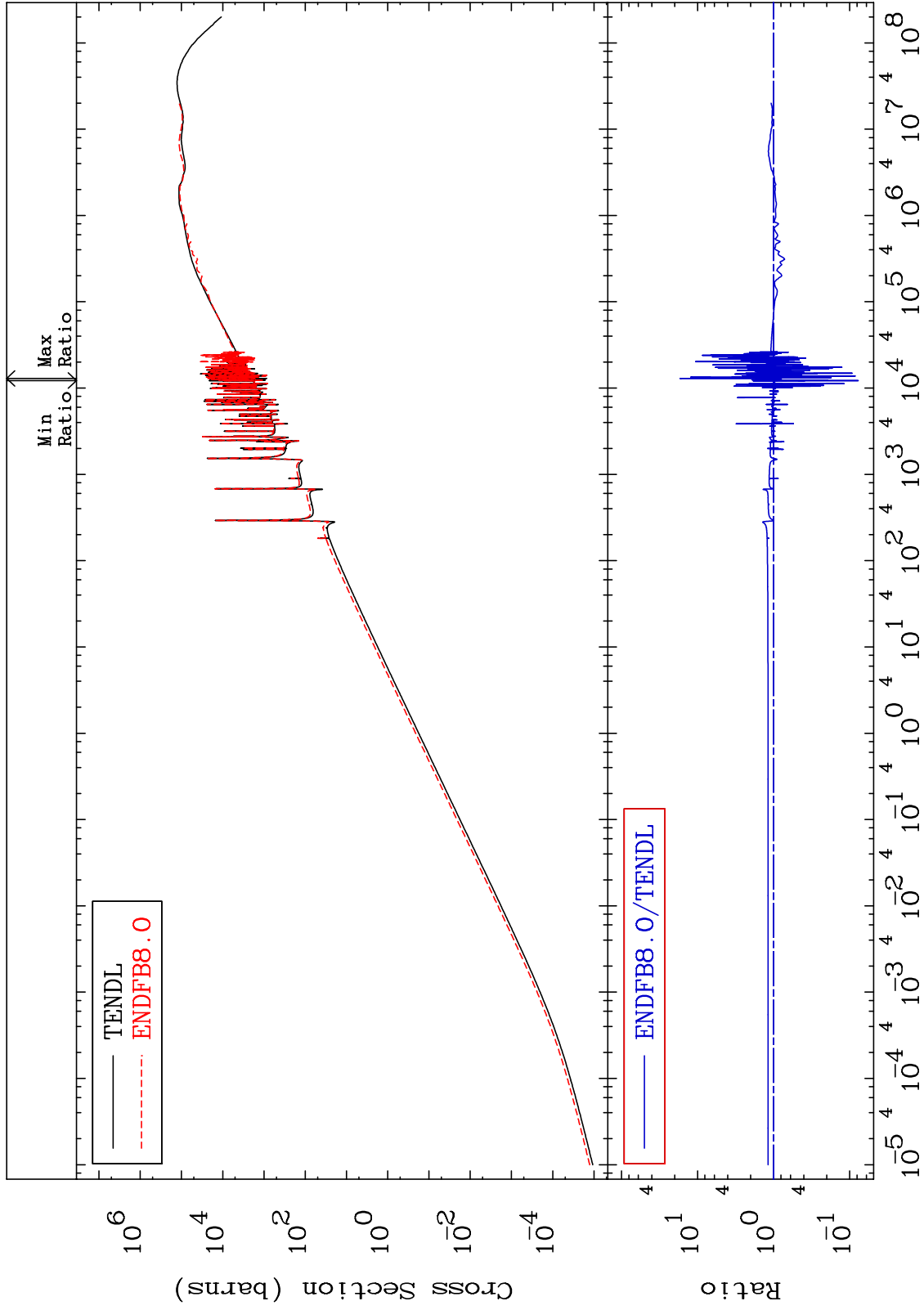
40-Zr-91
-90.95 To 7059. %



MAT 4028

Kerma elastic
Cross Section

40-Zr-91
-92.33 To 1599. %



32

Incident Energy (eV)

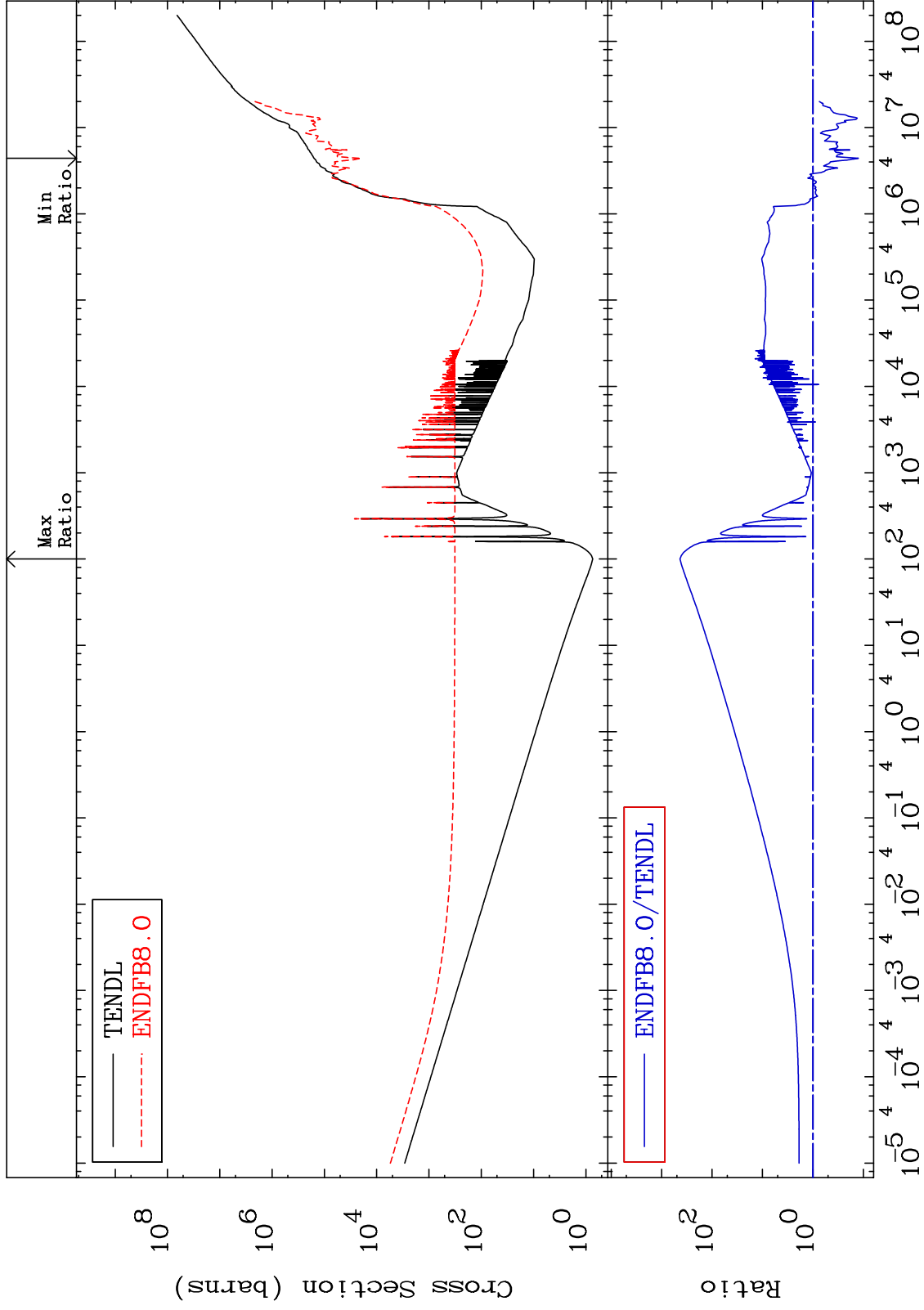
40-Zr-91

MAT 4028

Kerma non-elastic (all but mt2)
Cross Section

40-Zr-91

-87.47 To 9999. %



33

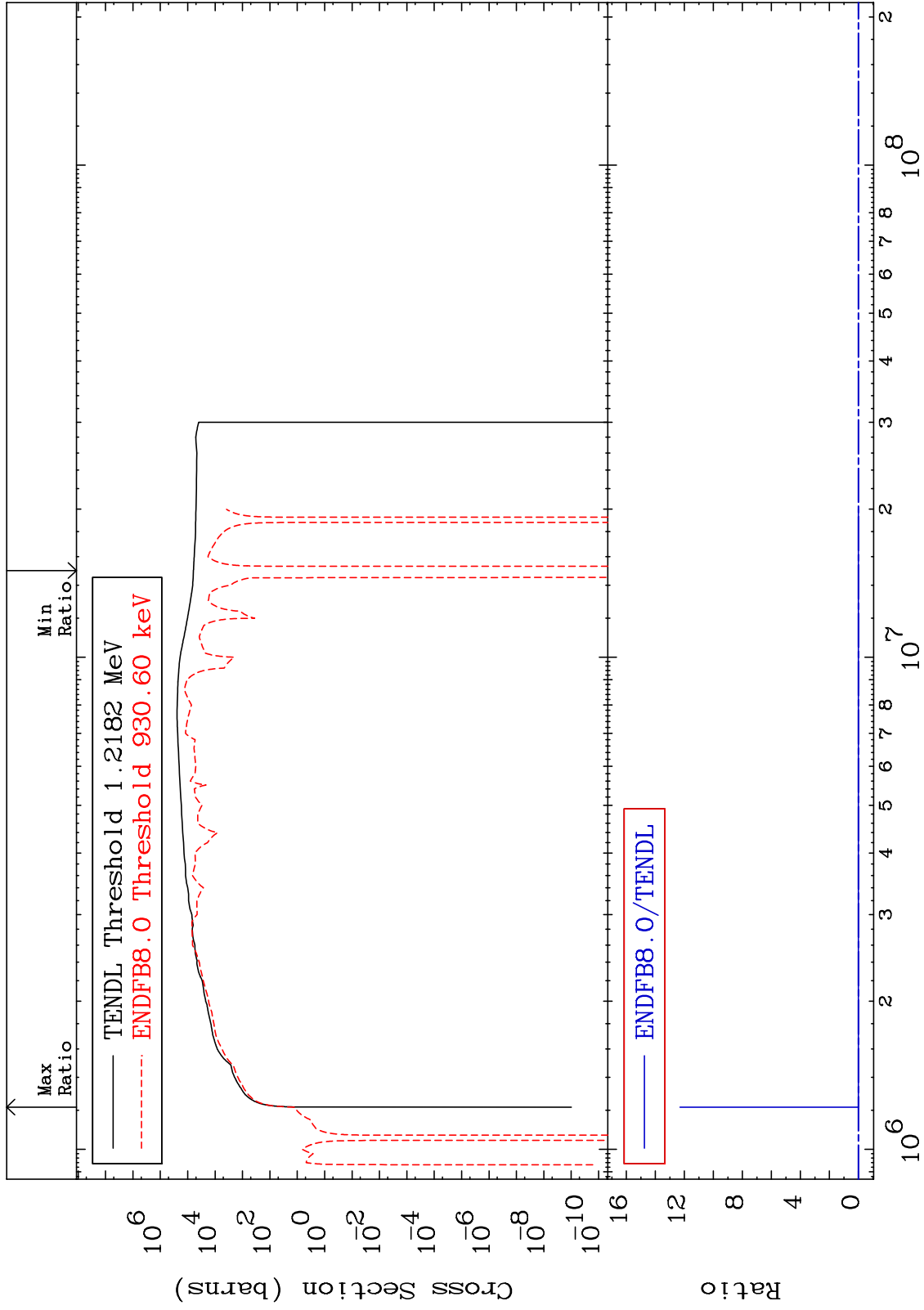
Incident Energy (eV)

40-Zr-91

MAT 4028

Kerma inelastic (mt51-91)
Cross Section

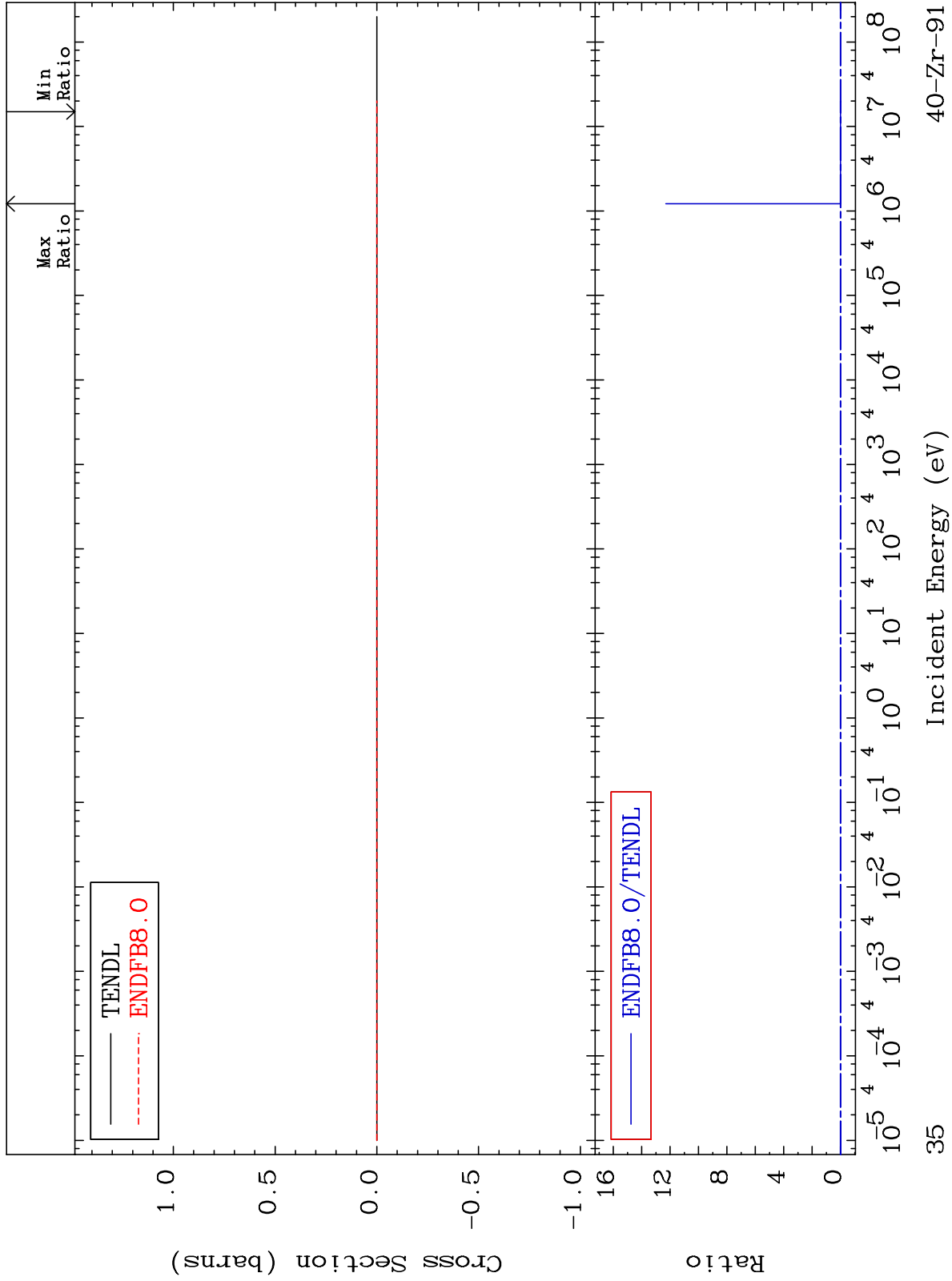
40-Zr-91
-113.0 To 9999. %



MAT 4028

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

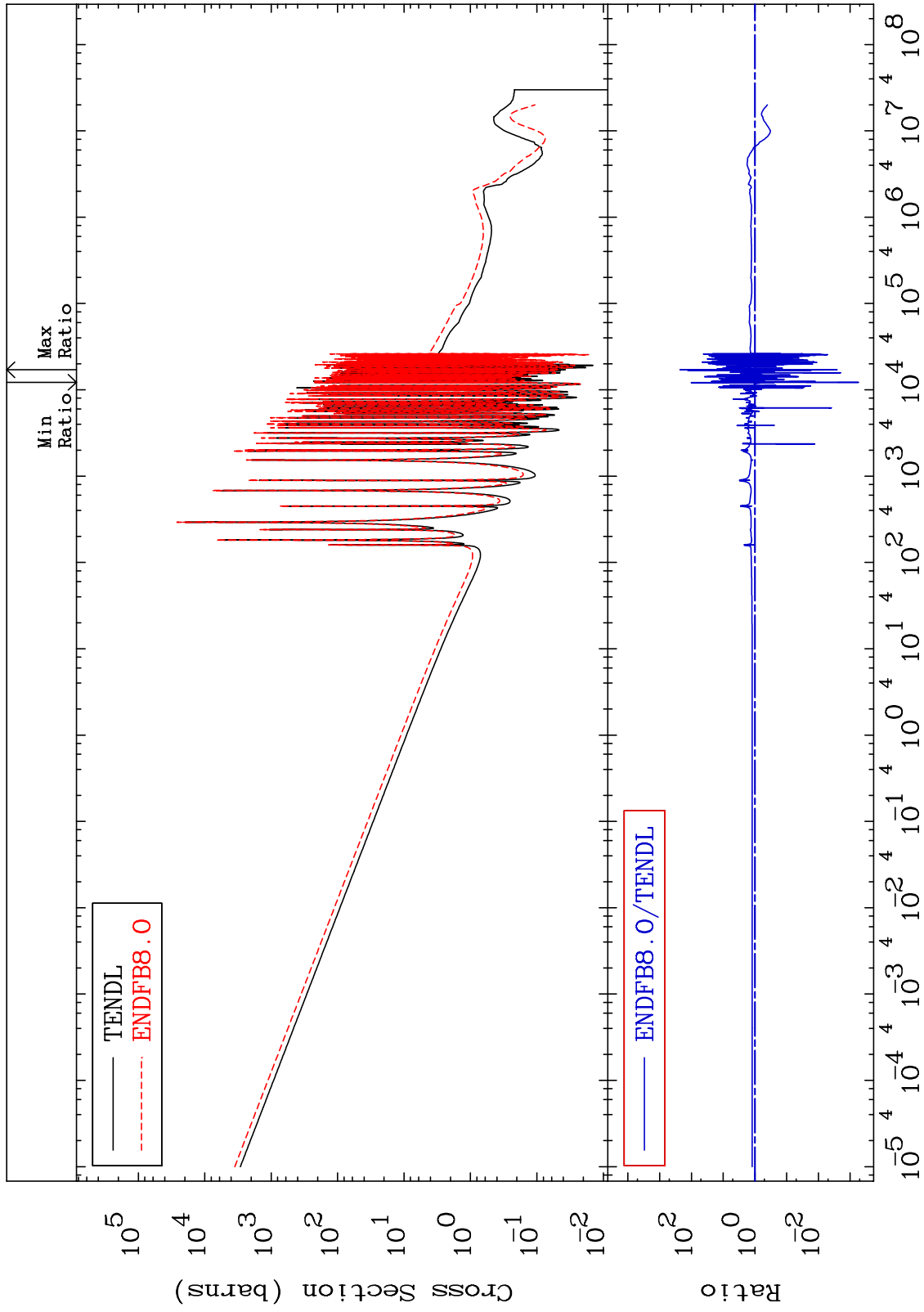
40-Zr-91
-113.0 To 9999. %



MAT 4028

Kerma capture (mt102)
Cross Section

40-Zr-91
-99.95 To 9999. %



36

Incident Energy (eV)

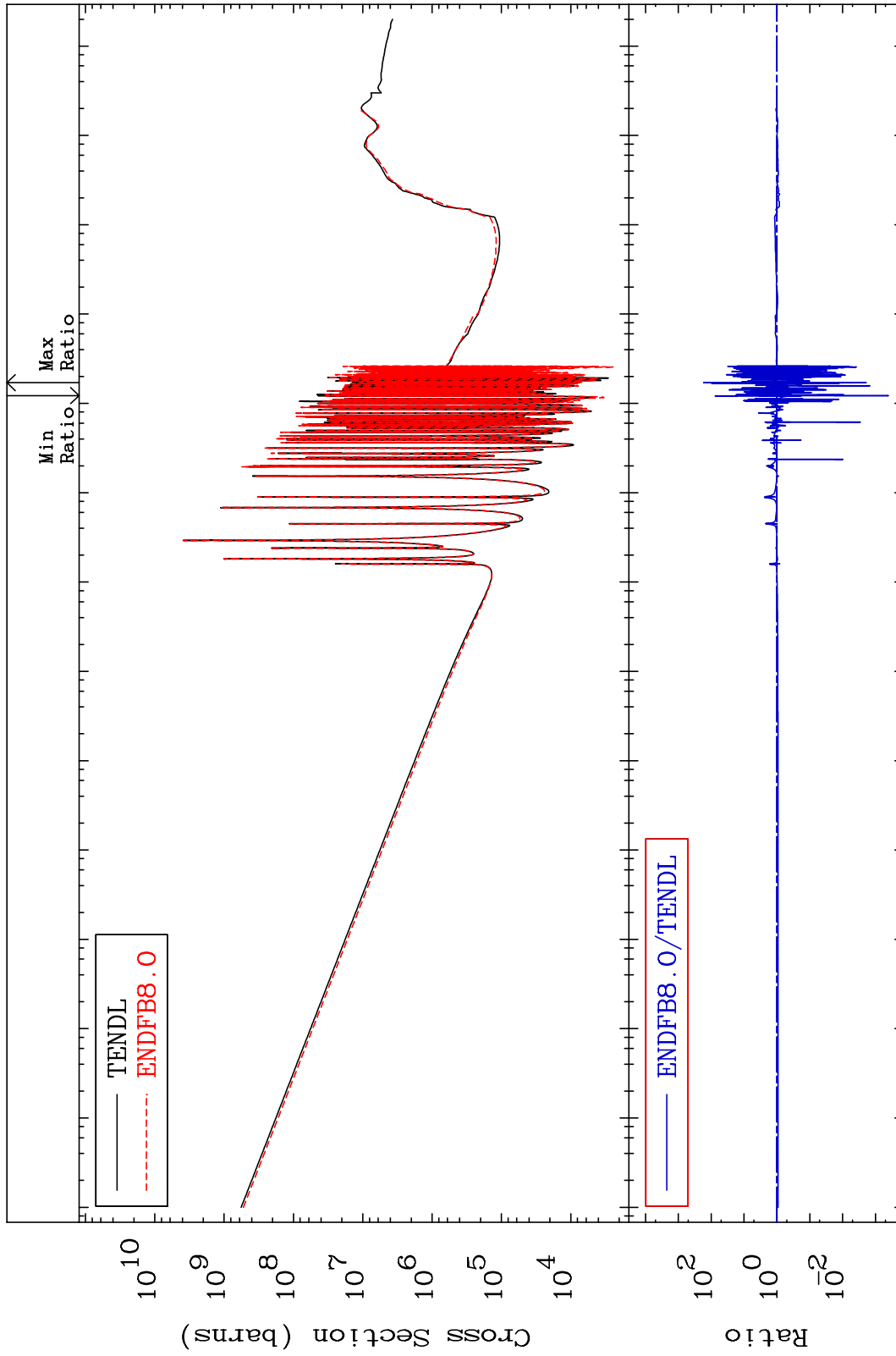
40-Zr-91

MAT 4028

Total photon (eV-barns)
Cross Section

40-Zr-91

-99.96 To 9999. %



37

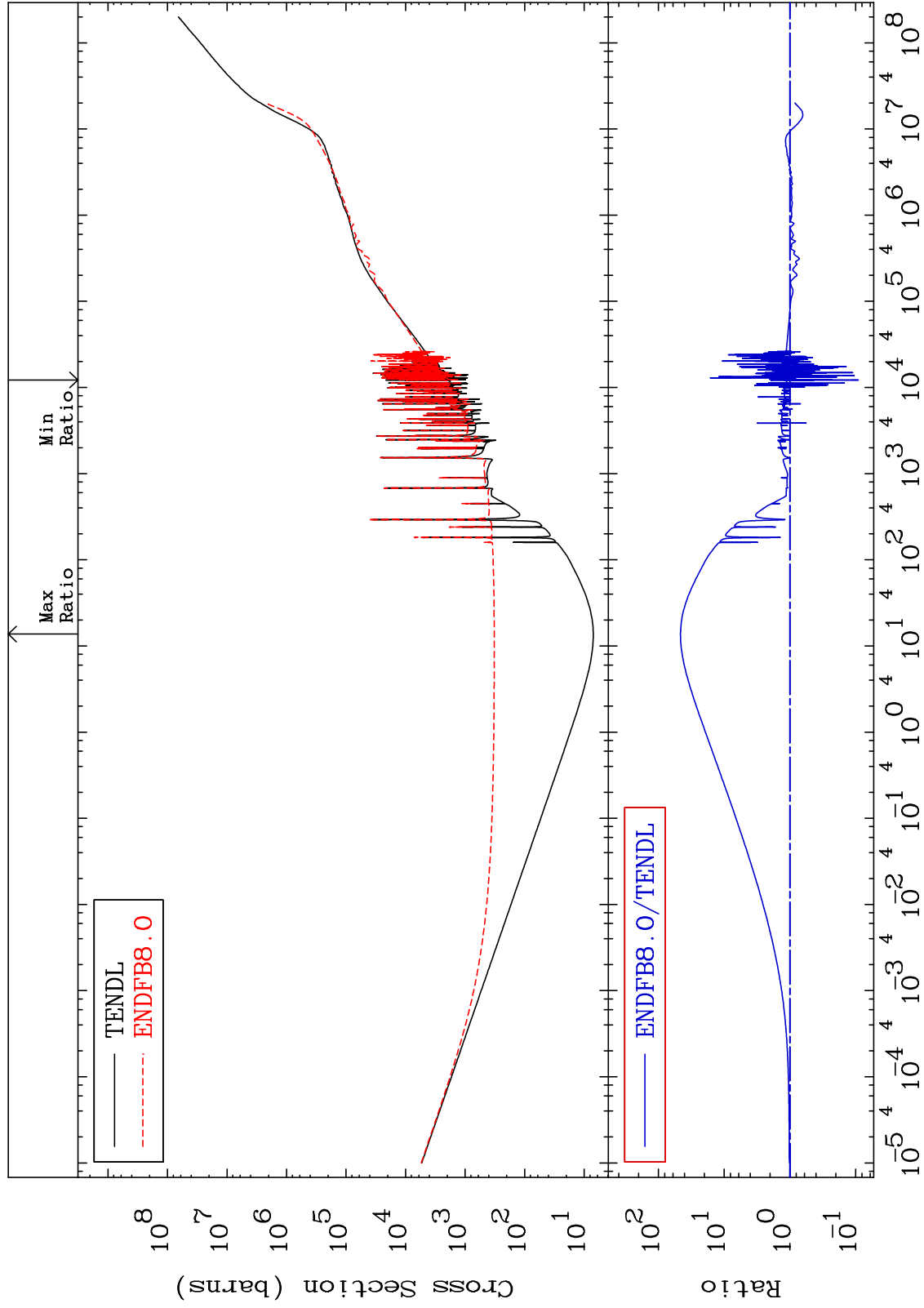
Incident Energy (eV)

40-Zr-91

MAT 4028

Total kinematic kerma (high limit)
Cross Section

40-Zr-91
-90.95 To 4513. %



38

Incident Energy (eV)

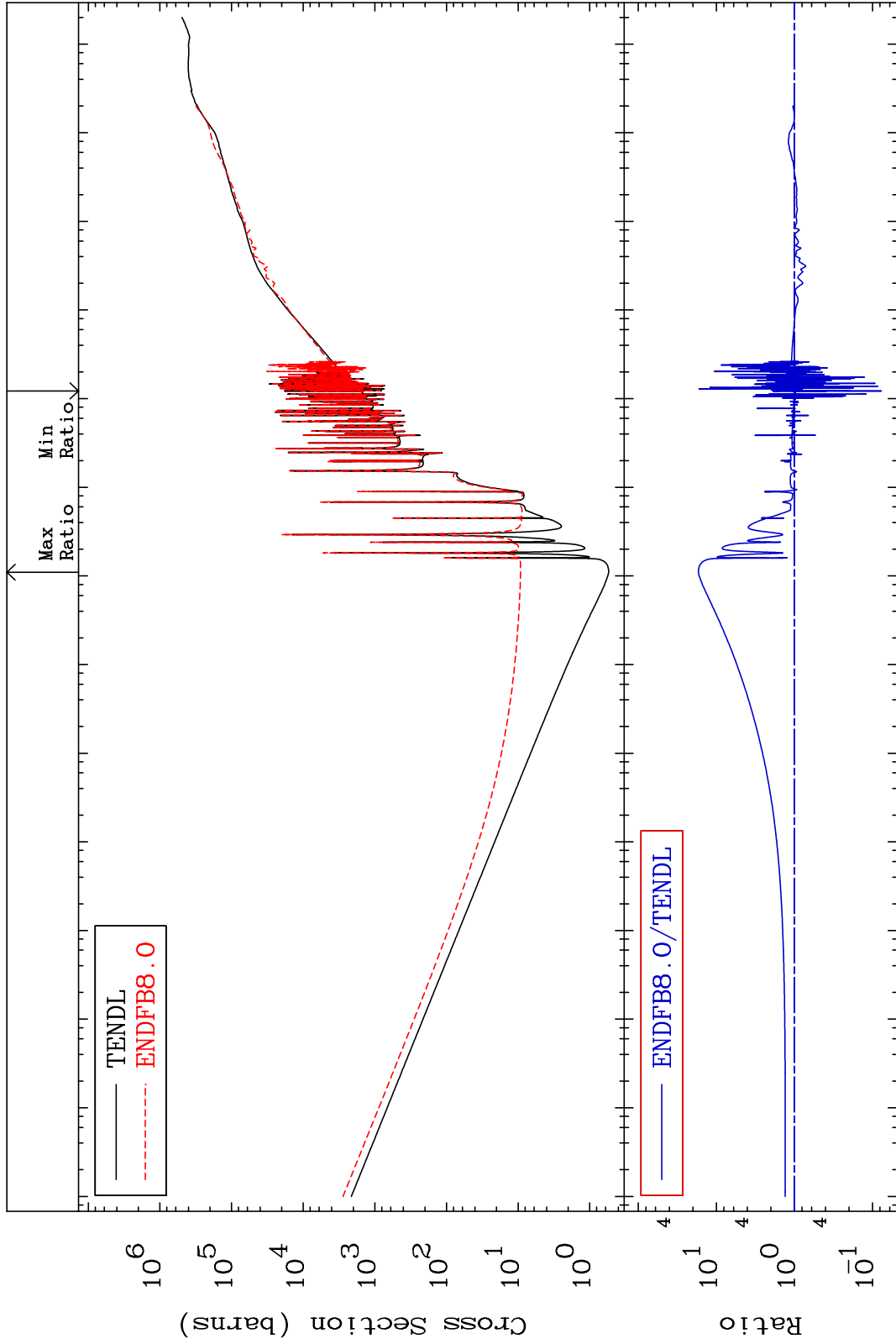
40-Zr-91

MAT 4028

Dpa total (eV-barns)

40-Zr-91

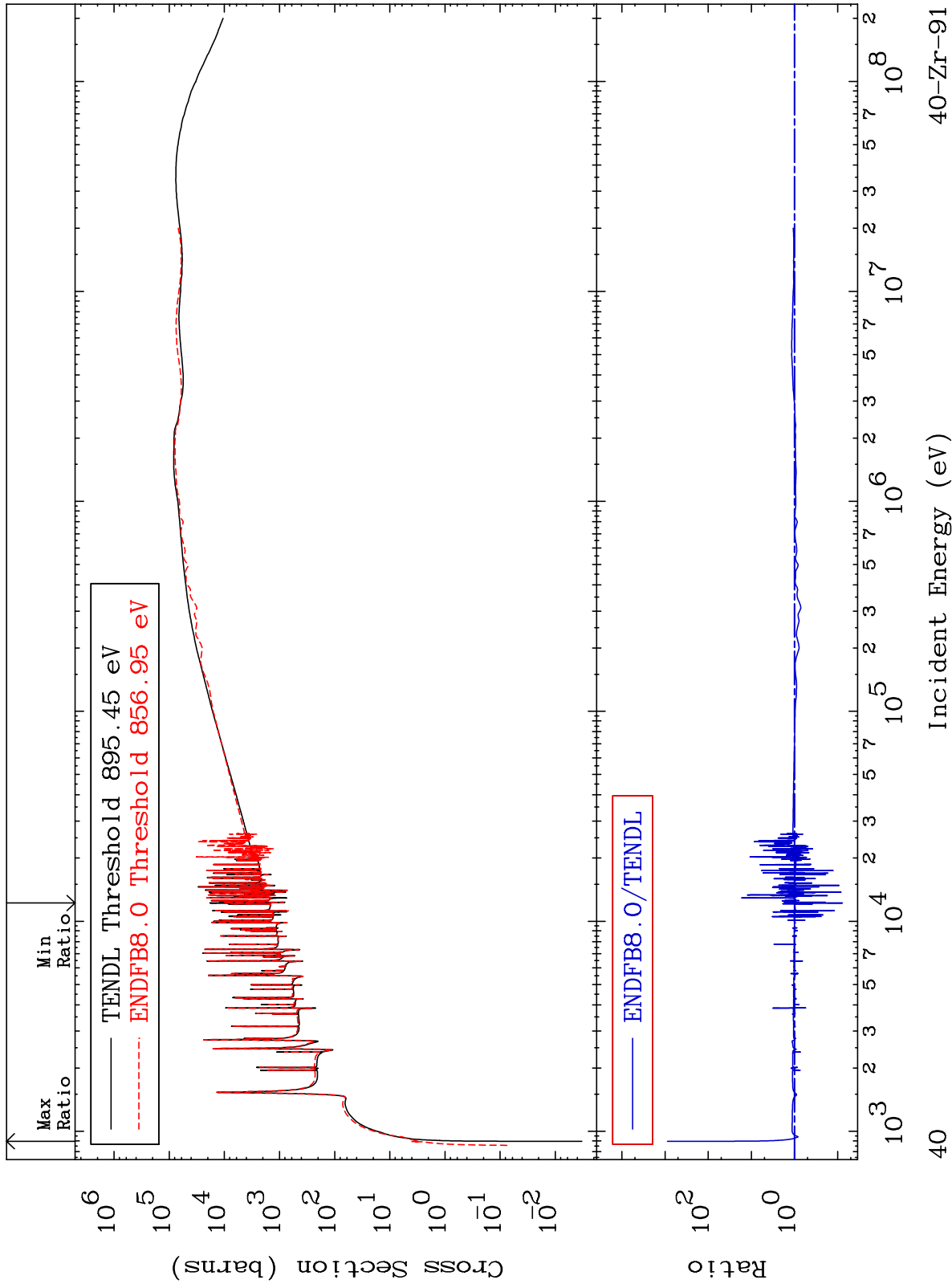
-92.35 To 1600. %



MAT 4028

Dpa elastic (mt2)
Cross Section

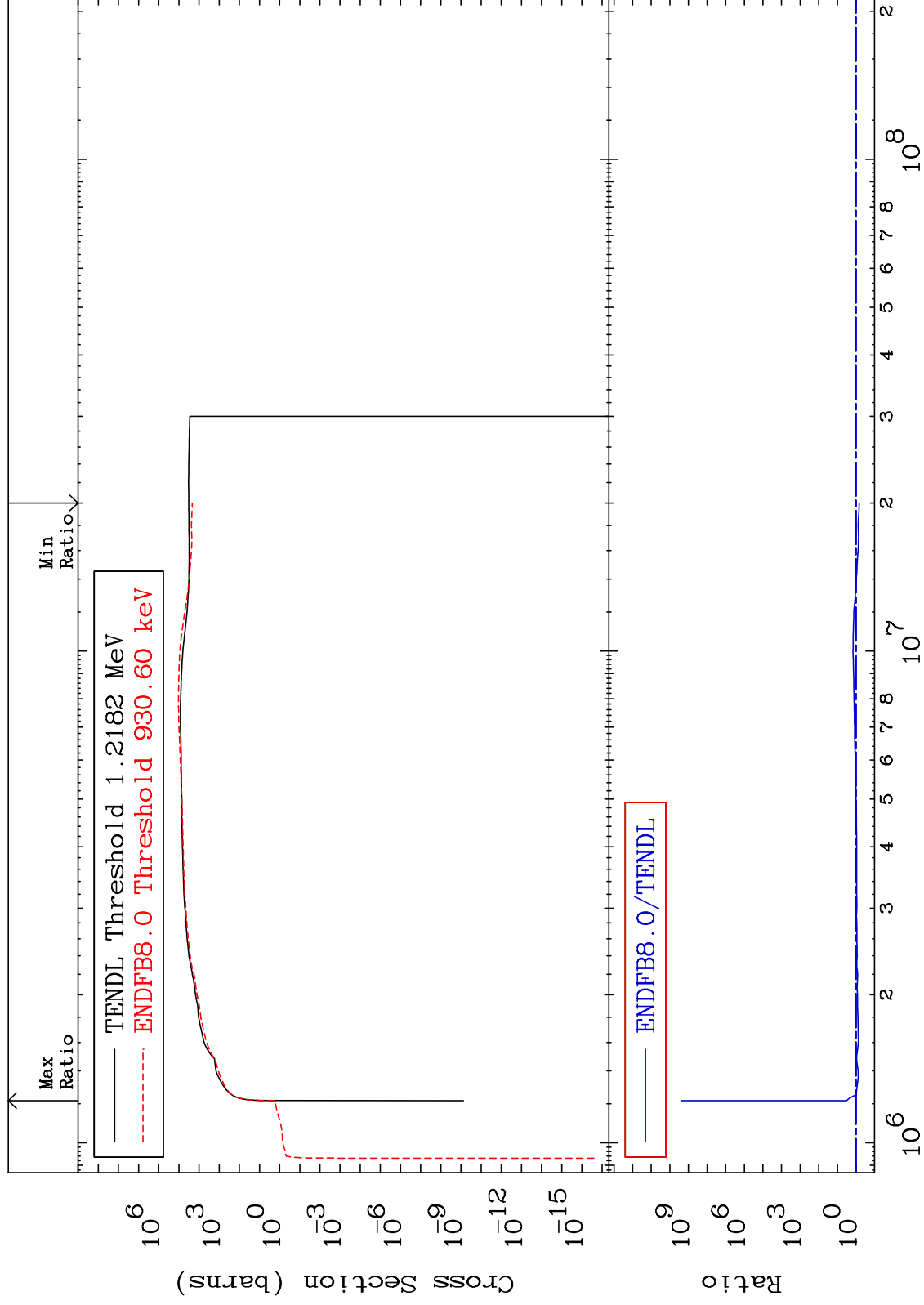
40-Zr-91
-92.33 To 9999. %



MAT 4028

Dpa inelastic (mt51-91)
Cross Section

40-Zr-91
-33.52 To 9999. %



41

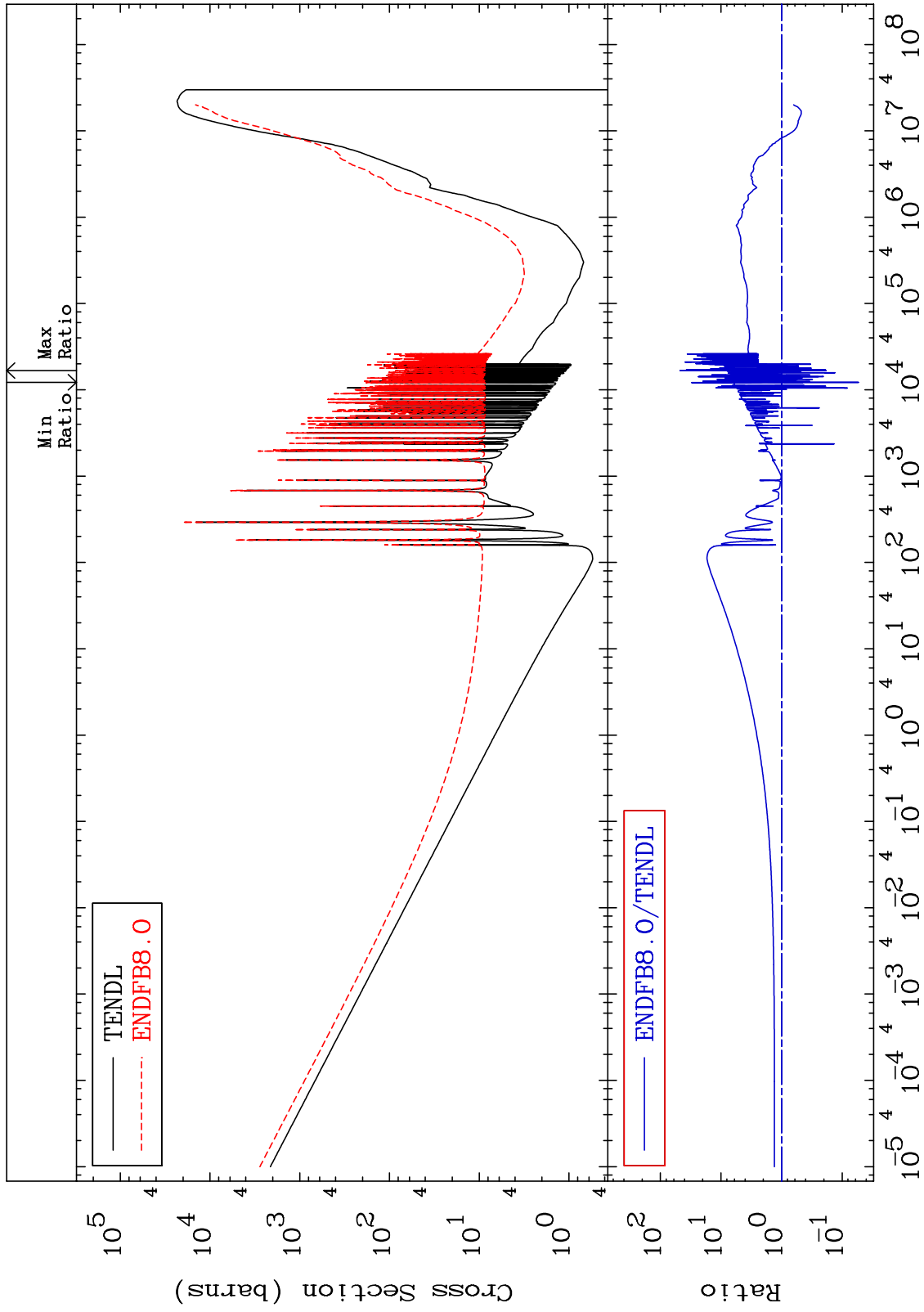
Incident Energy (eV)

40-Zr-91

MAT 4028

Dpa disappearance (mt102 -120)
Cross Section

40-Zr-91
-94.62 To 4640. %



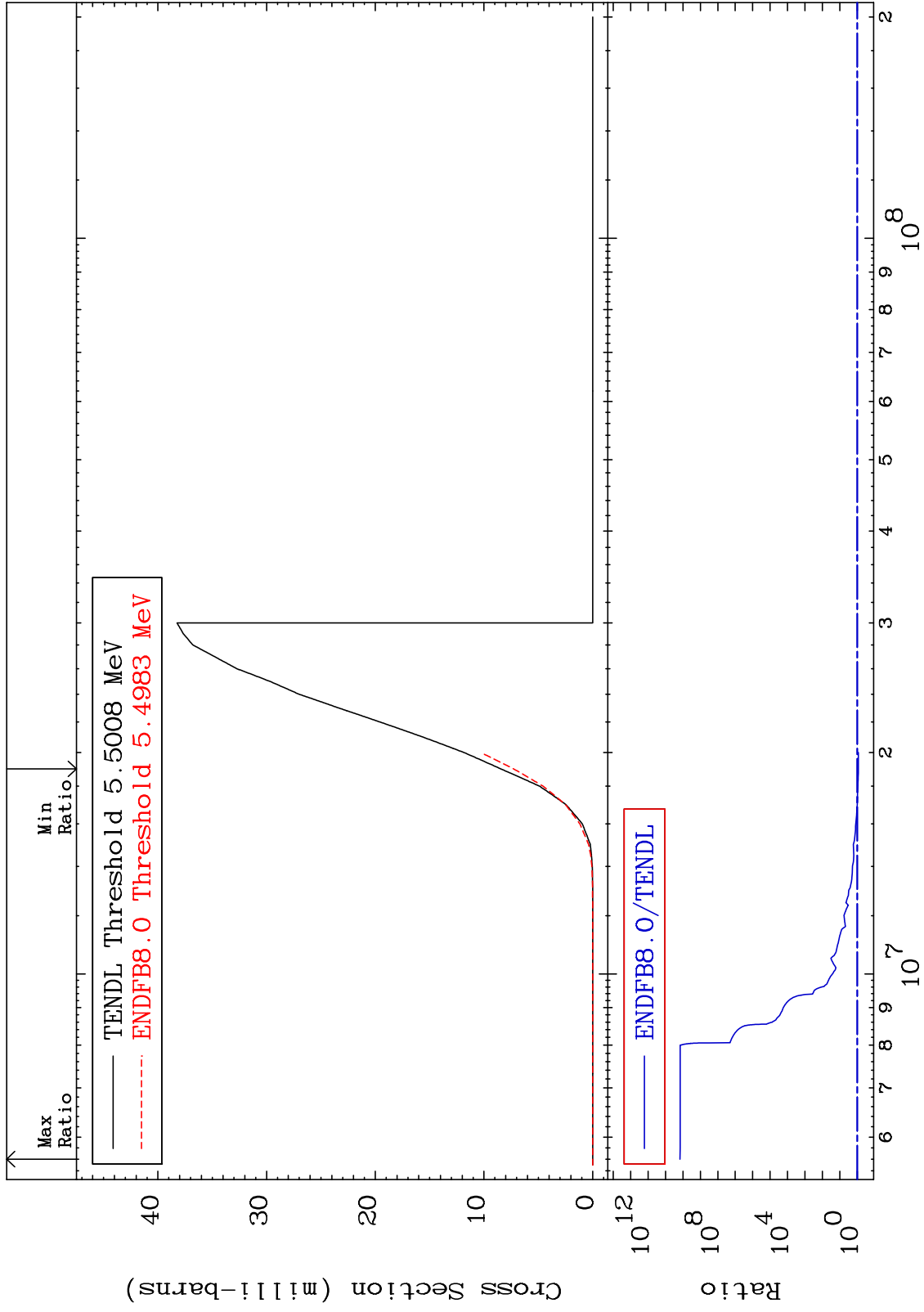
42

Incident Energy (eV)

40-Zr-91

MAT 4028

(n, n') α :38-Sr-87g 40-Zr-91
Radionuclide Production Cross Section -13.89 To 9999. %

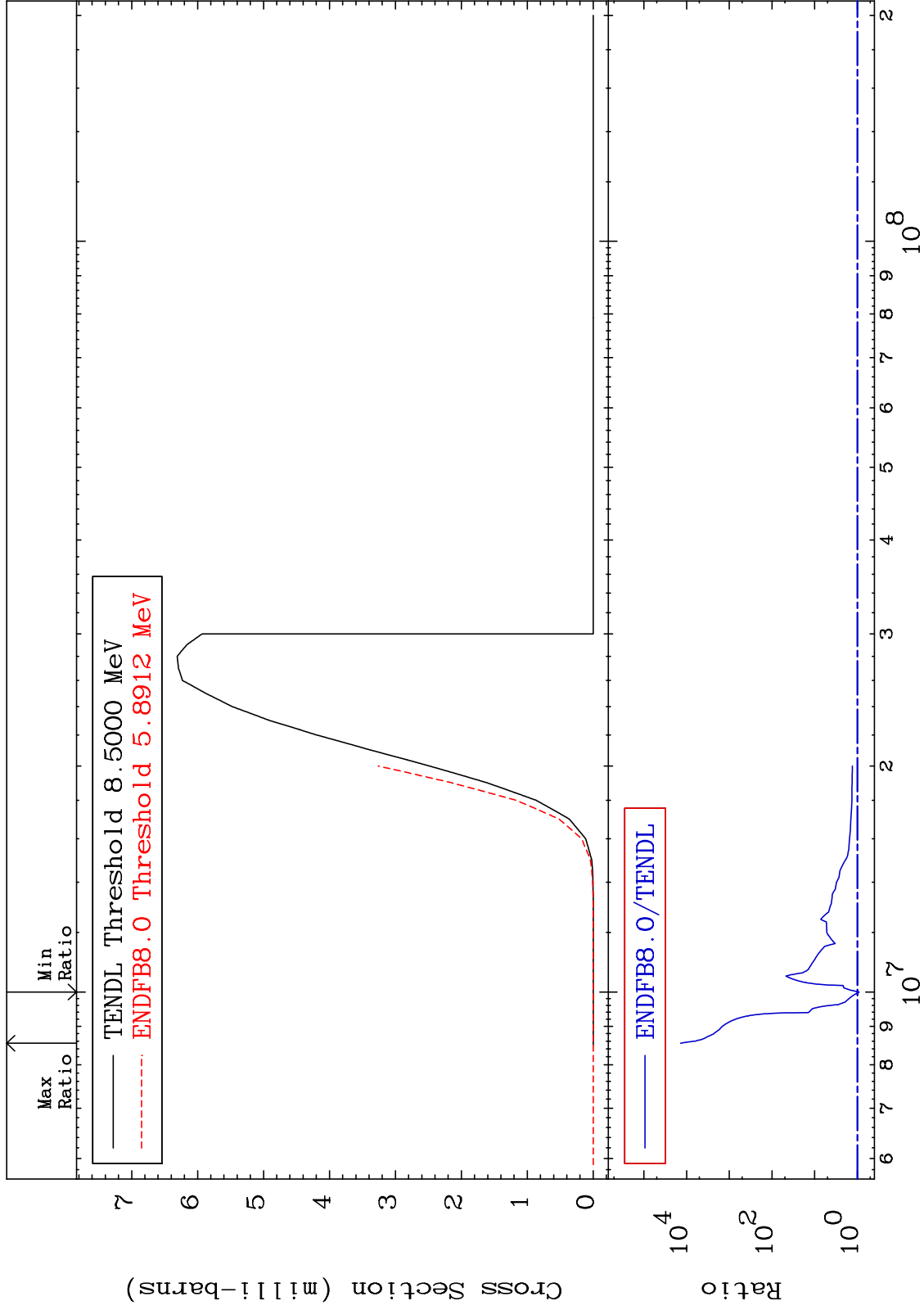


MAT 4028

(n, n') α :38-Sr-87m1

40-Zr-91

Radionuclide Production Cross Section -9.223 To 9999. %

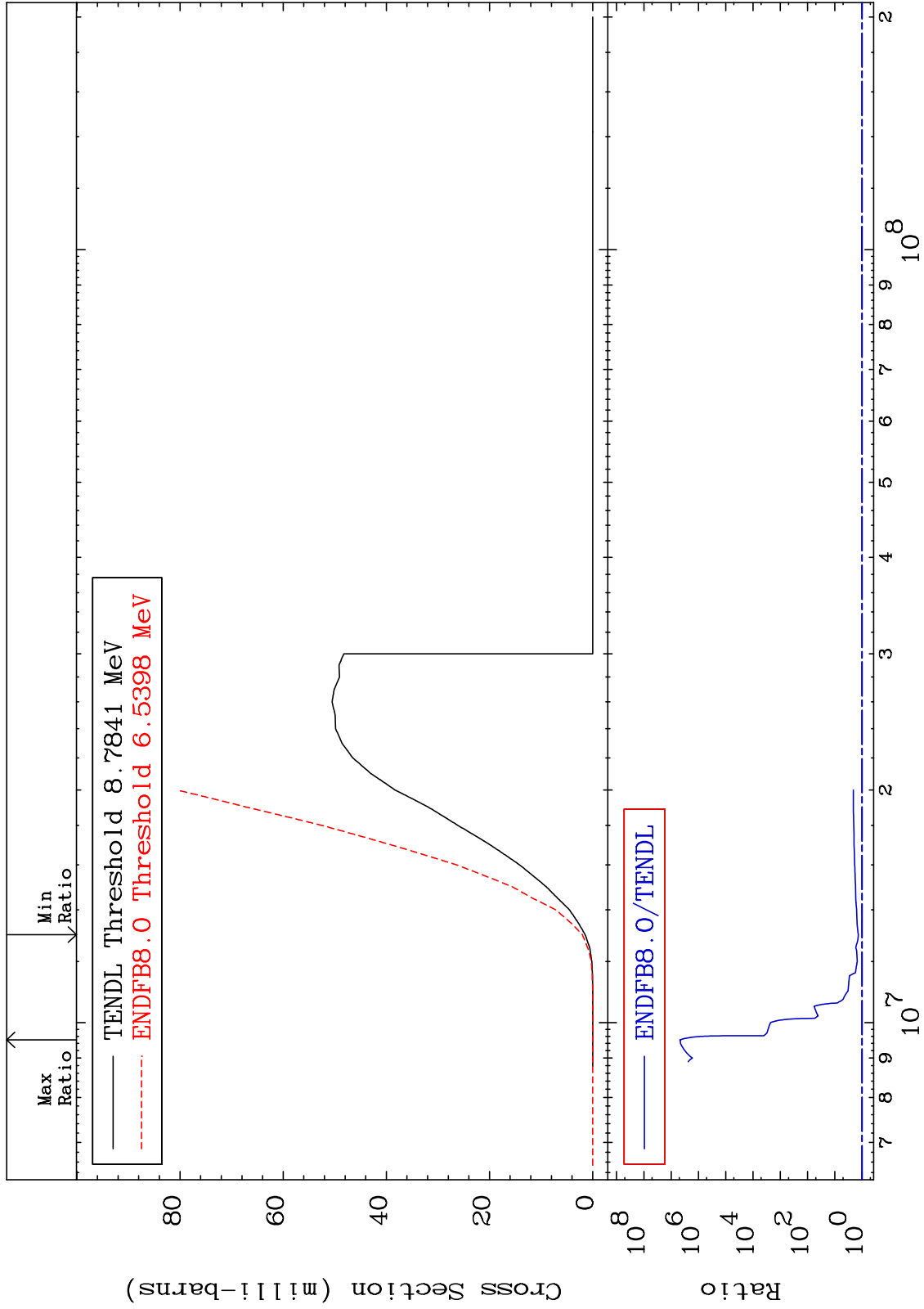


MAT 4028

40-Zr-91

(n, n') p:39-Y -90g

Radionuclide Production Cross Section 36.36 To 9999. %



45

Incident Energy (eV)

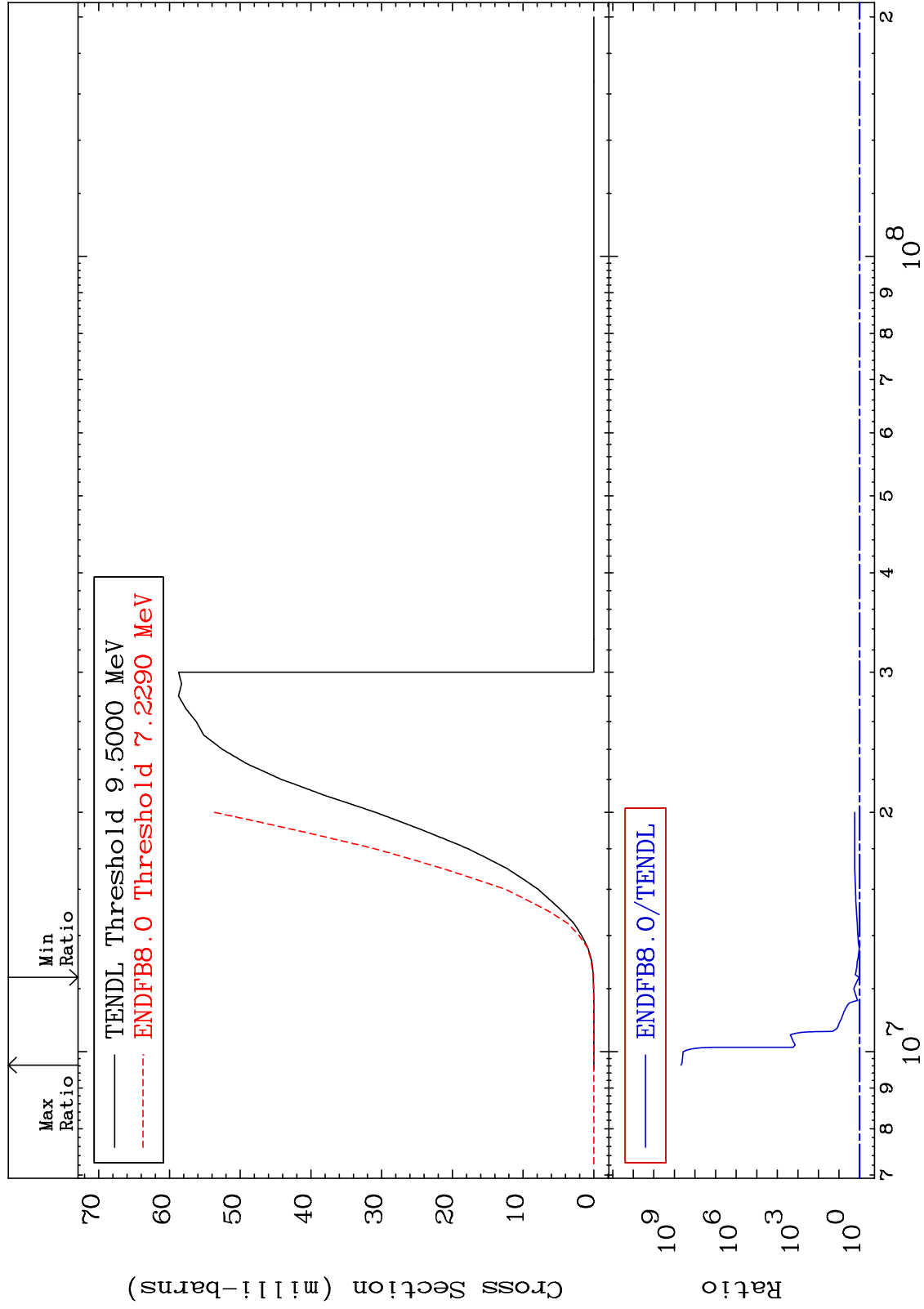
40-Zr-91

MAT 4028

(n, n') p:39-Y -90m2

40-Zr-91

Radionuclide Production Cross Section 4.251 To 9999. %



46

Incident Energy (eV)

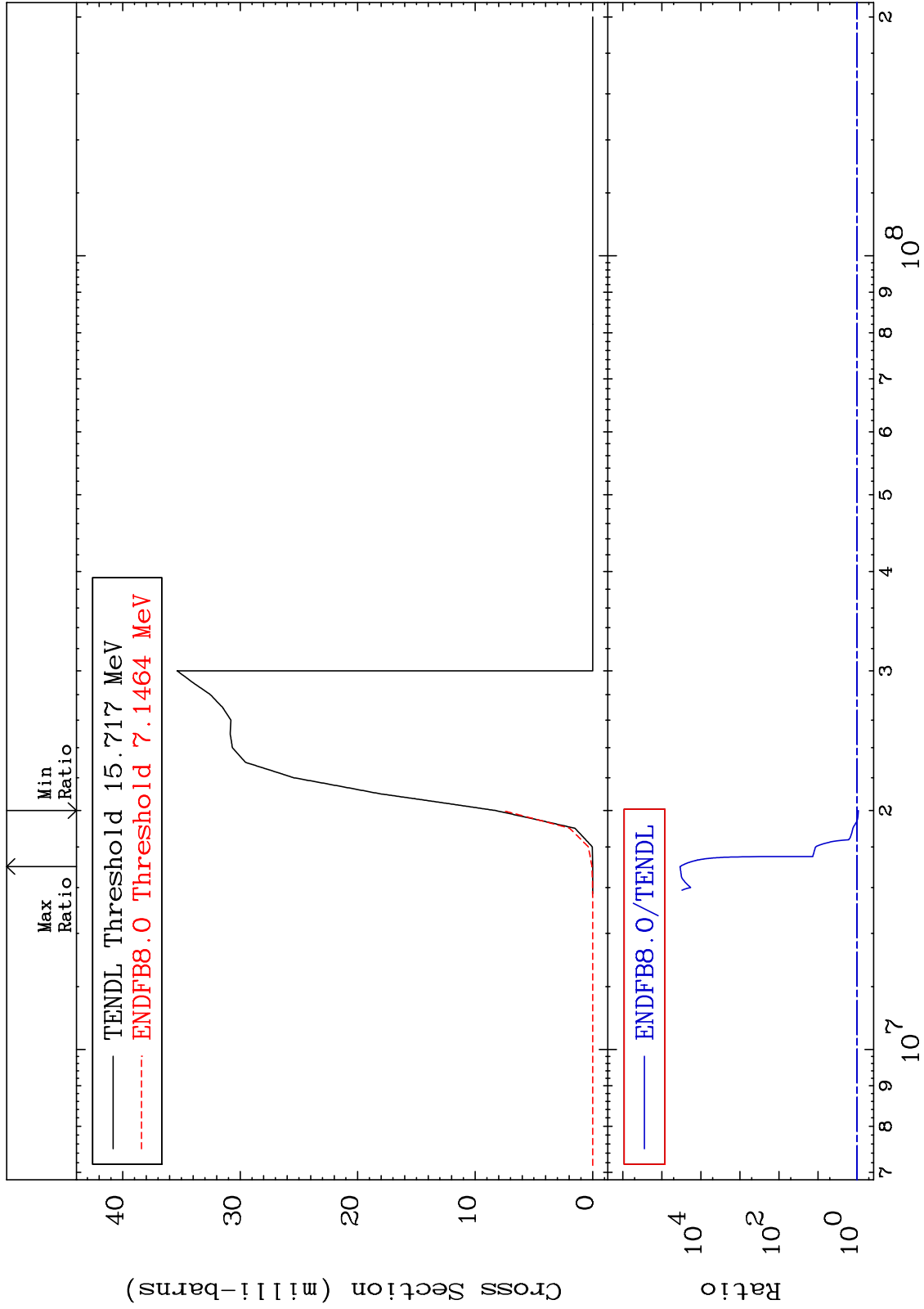
40-Zr-91

MAT 4028

40-Zr-91

(n,2n) p:39-Y -89g

Radionuclide Production Cross Section -7.232 To 9999. %



40-Zr-91

Incident Energy (eV)

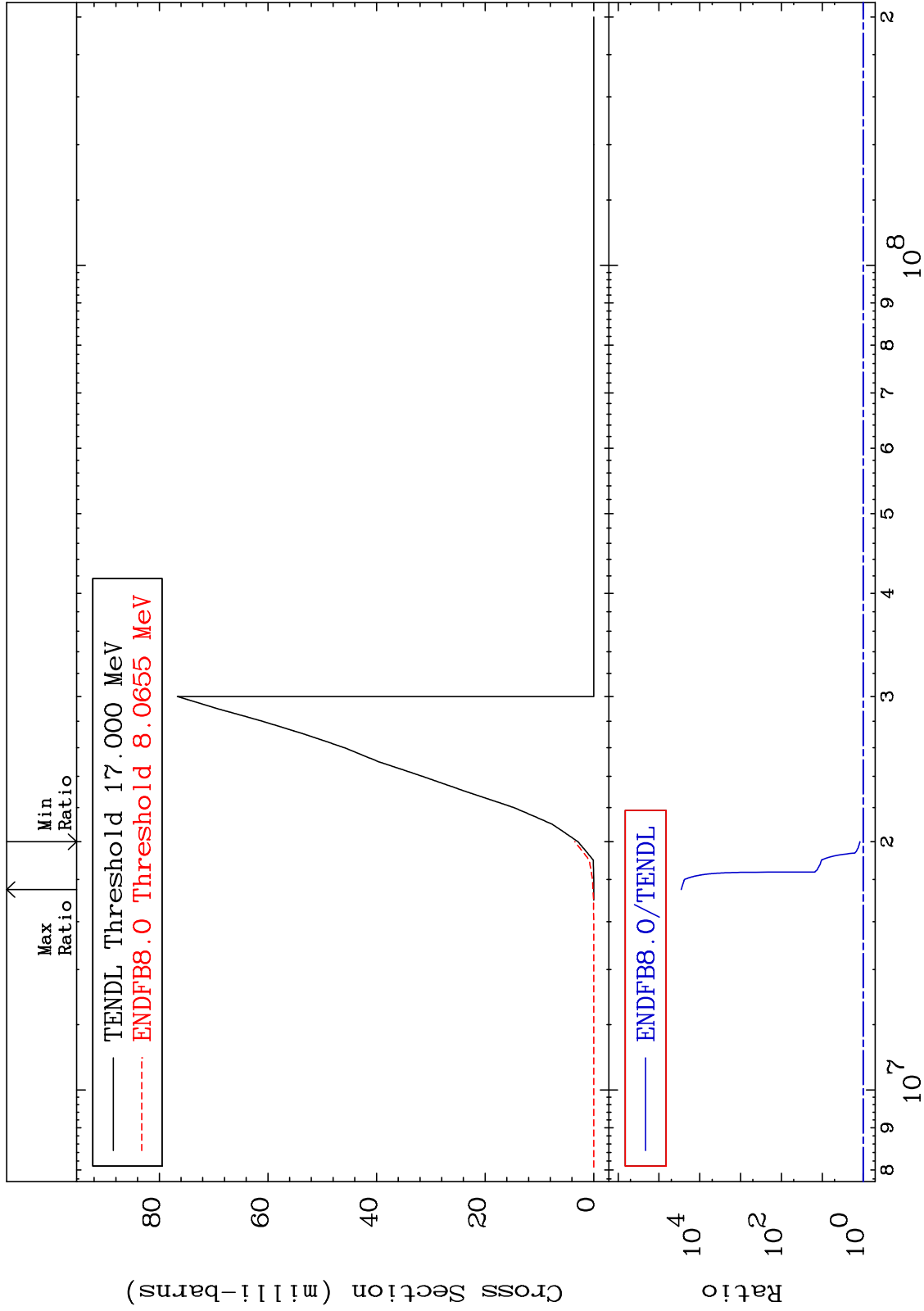
47

MAT 4028

(n,2n) p:39-Y -89m1

40-Zr-91

Radionuclide Production Cross Section 19.73 To 9999. %



48

Incident Energy (eV)

40-Zr-91