

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

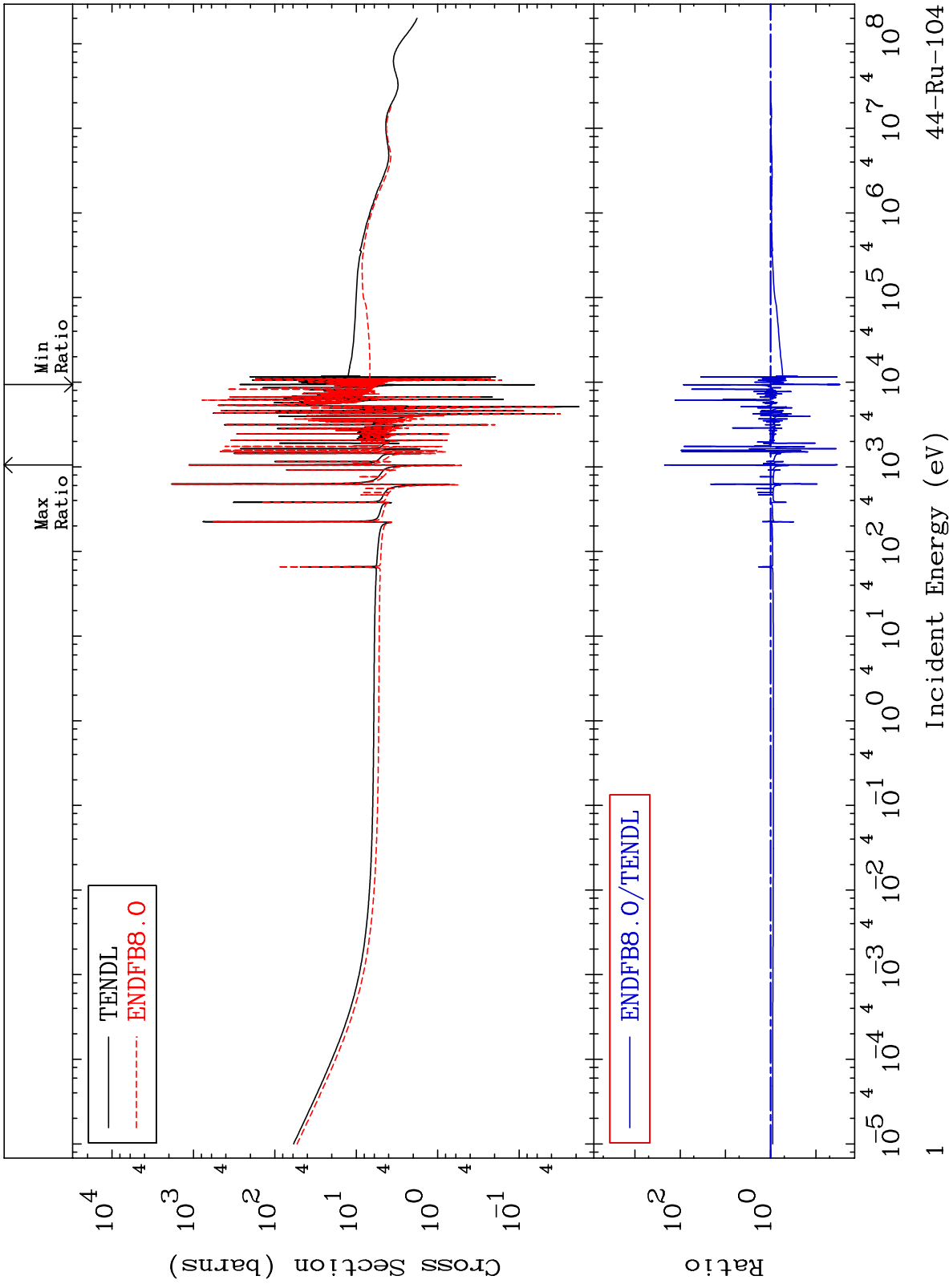
MAT 4449

Total

44-Ru-104

-97.02 To 9999. %

Cross Section



44-Ru-104

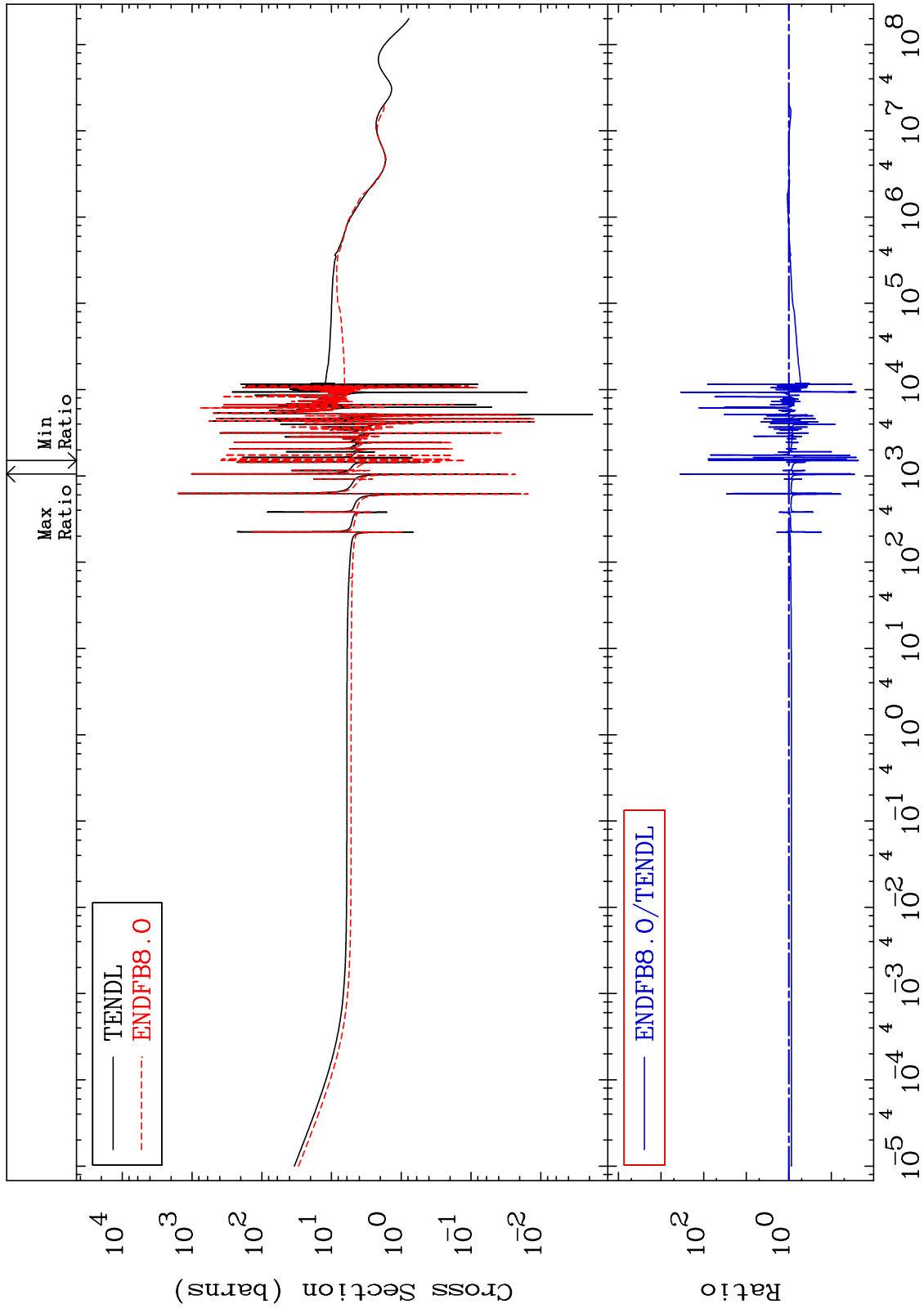
MAT 4449

Elastic

44-Ru-104

Cross Section

-97.68 To 9999. %

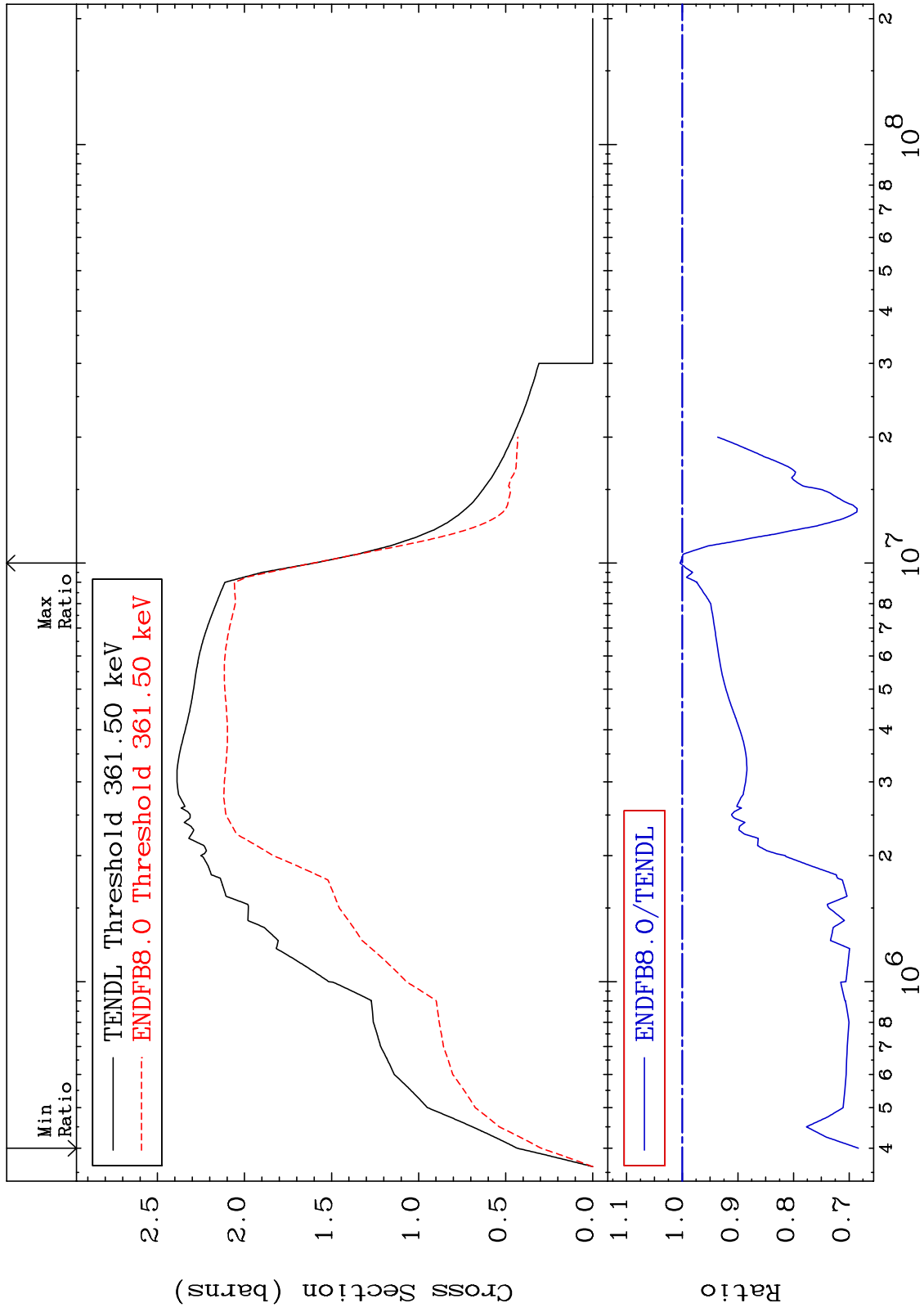


2

Incident Energy (eV)

44-Ru-104

MAT 4449 Inelastic Cross Section 44-Ru-104 -31.67 To 0.400 %



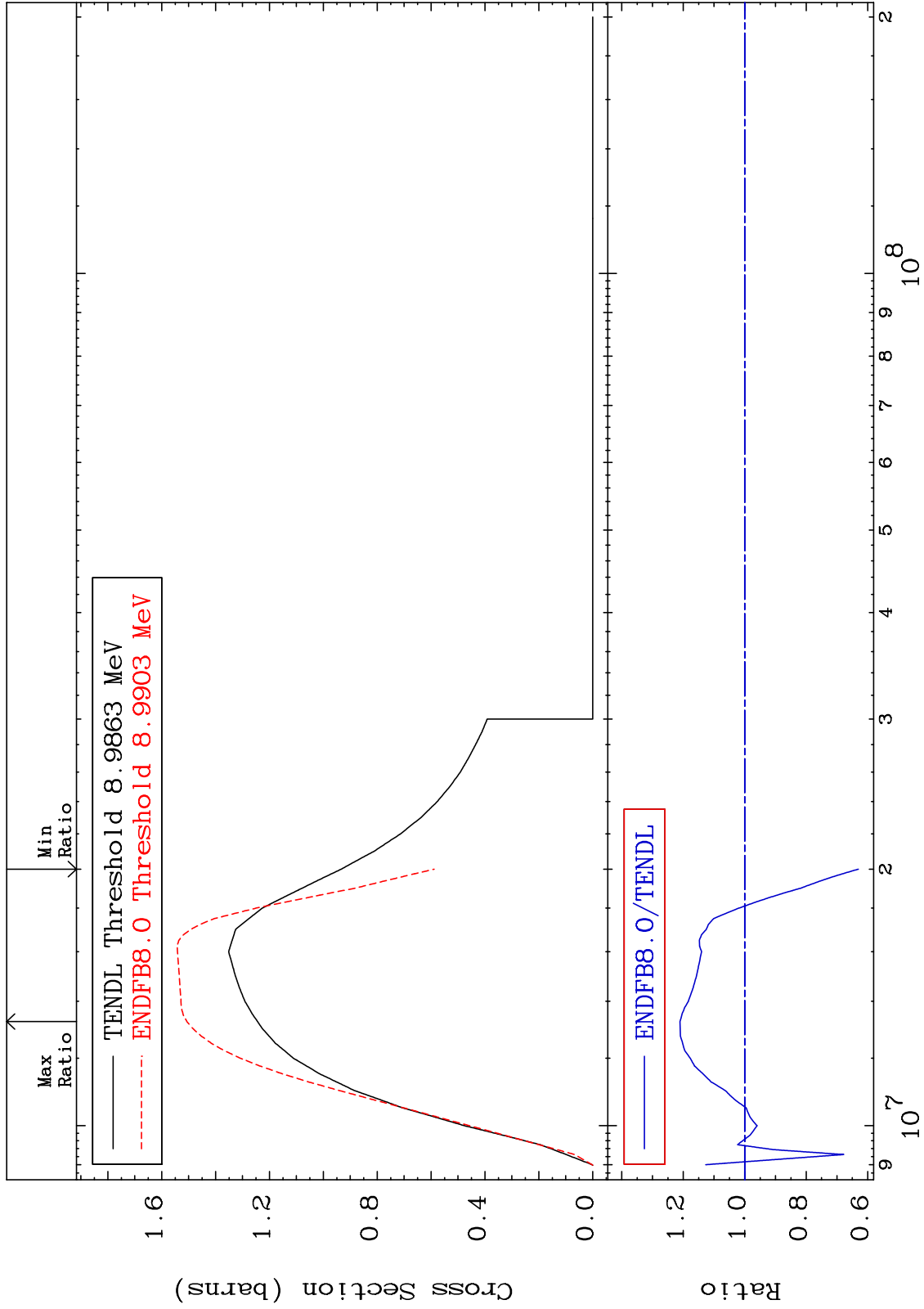
MAT 4449

(n,2n)

44-Ru-104

Cross Section

-36.97 To 21.06 %



44-Ru-104

Incident Energy (eV)

4

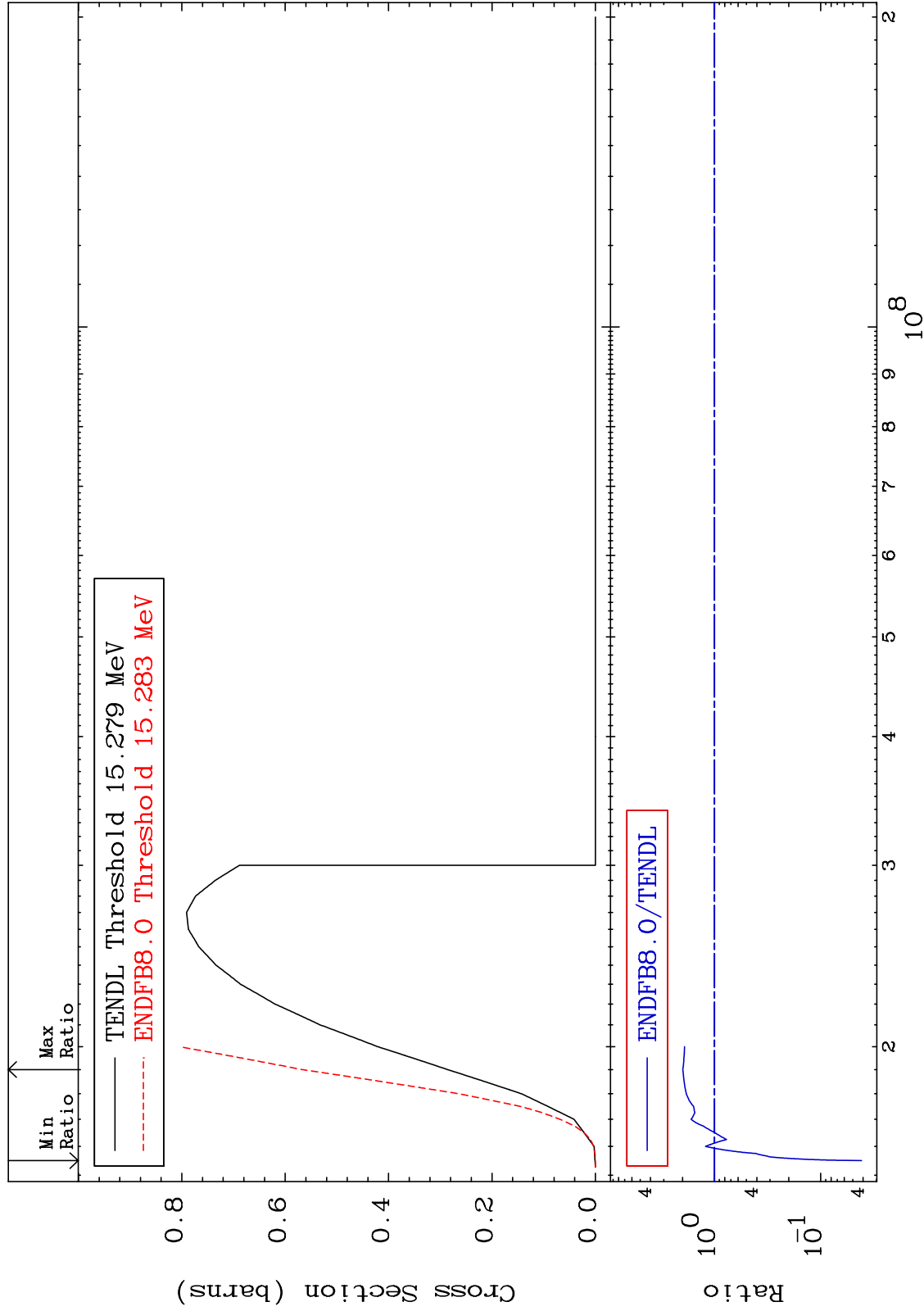
MAT 4449

(n,3n)

44-Ru-104

Cross Section

-95.87 To 98.41 %



44-Ru-104

44-Ru-104

5

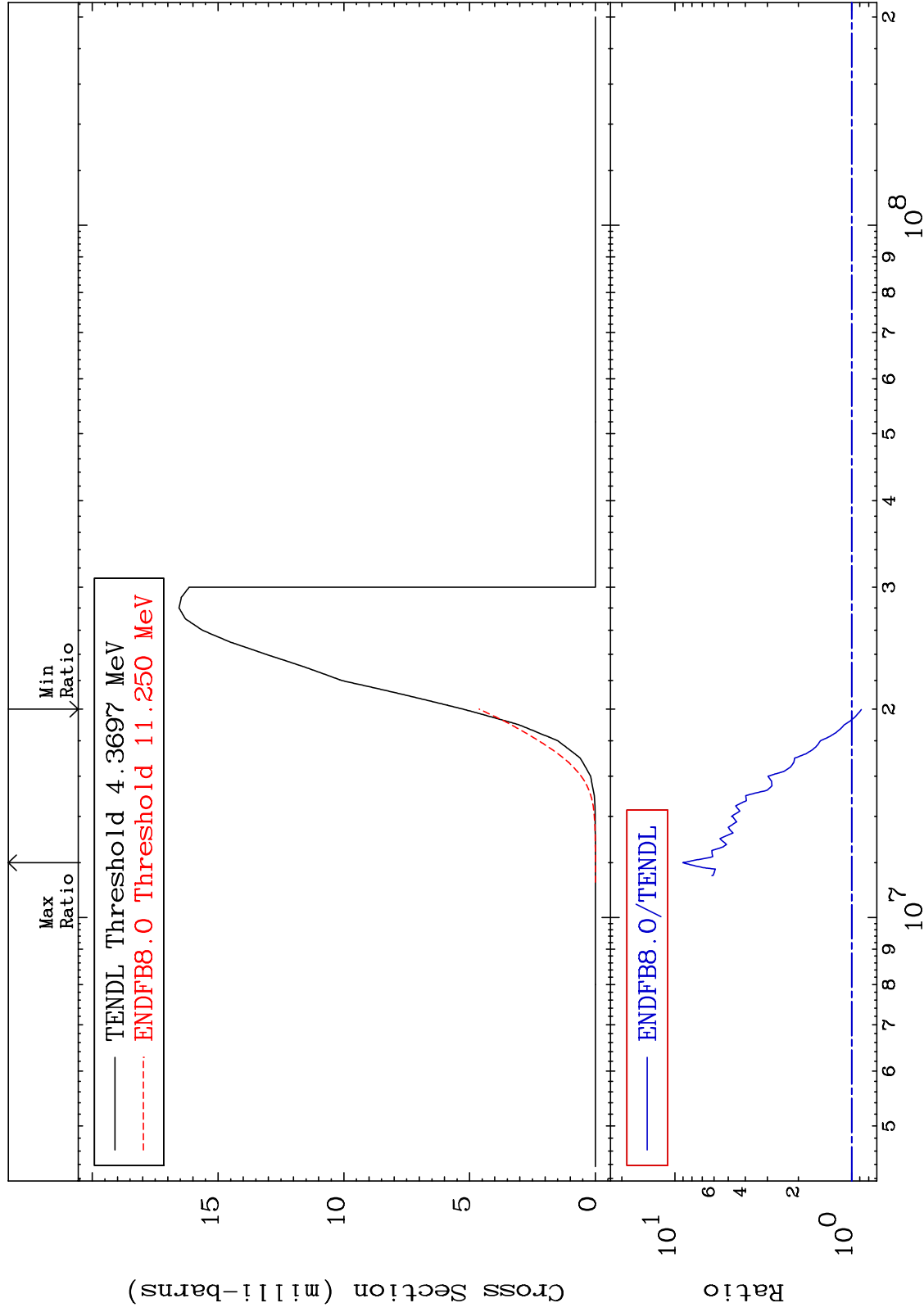
MAT 4449

(n, n') α

44-Ru-104

-12.09 To 801.9 %

Cross Section



6

Incident Energy (eV)

44-Ru-104

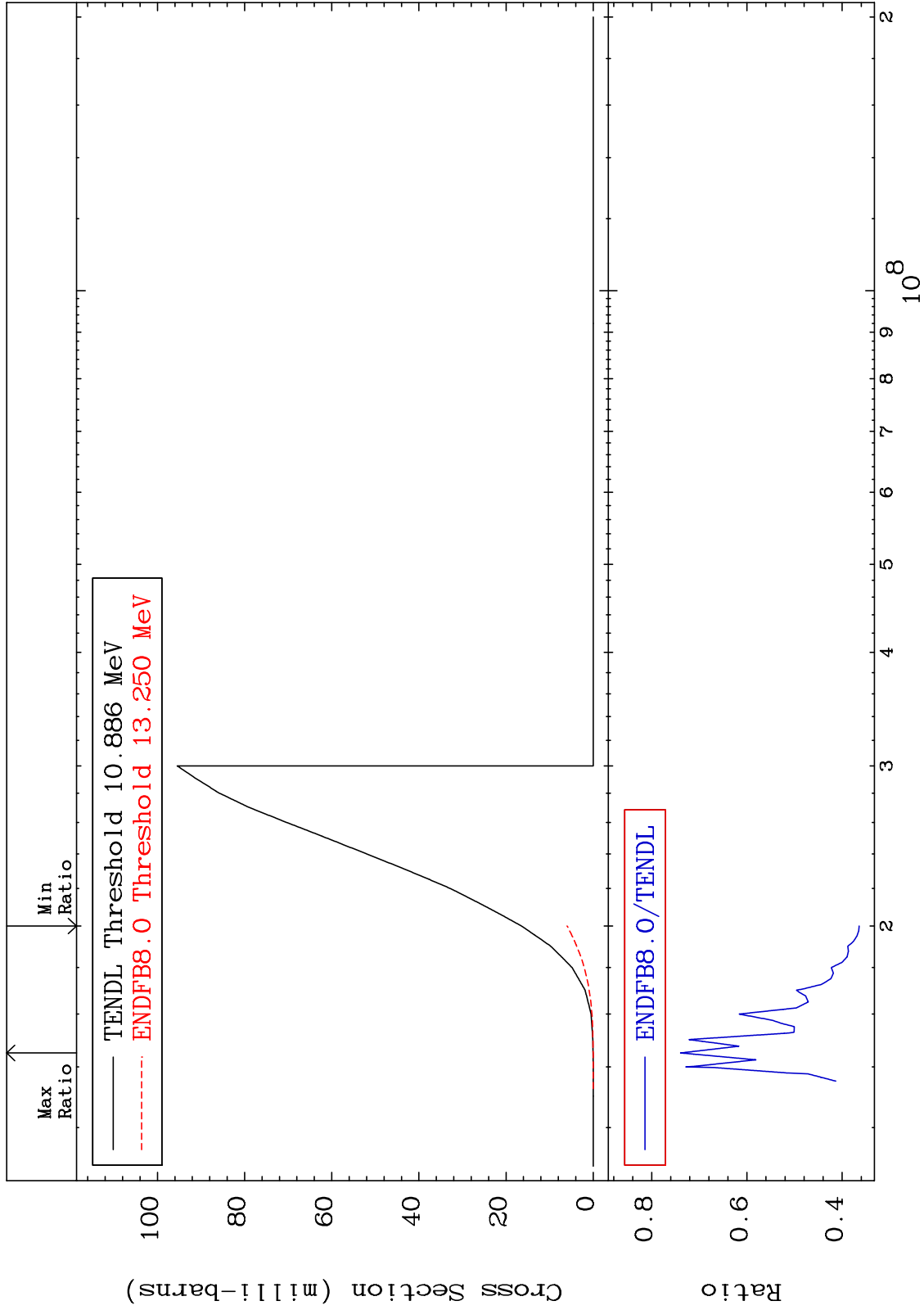
MAT 4449

(n,n') p

44-Ru-104

Cross Section

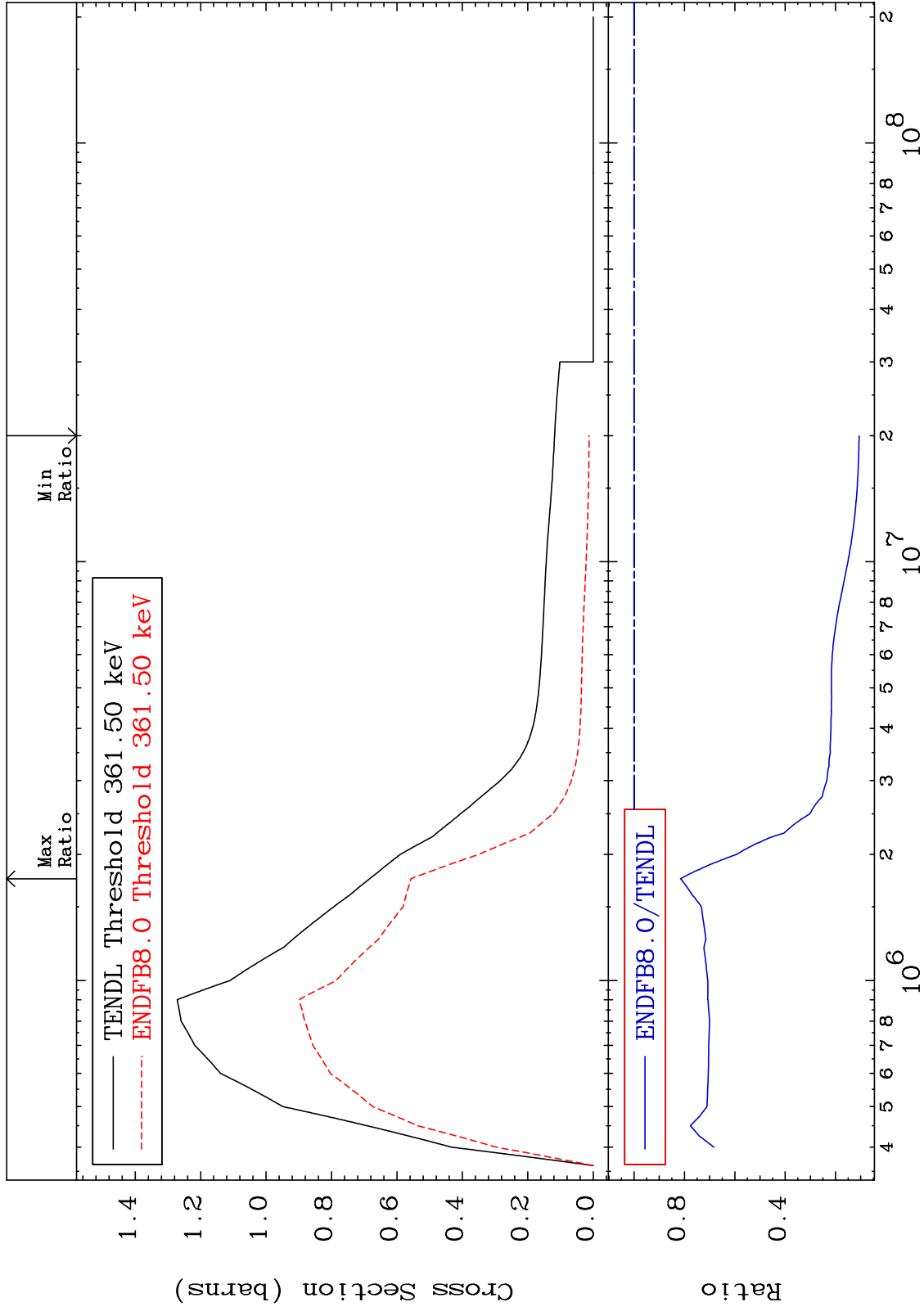
-63.57 To -26.07%



MAT 4449

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

44-Ru-104
-89.39 To -18.48%



8

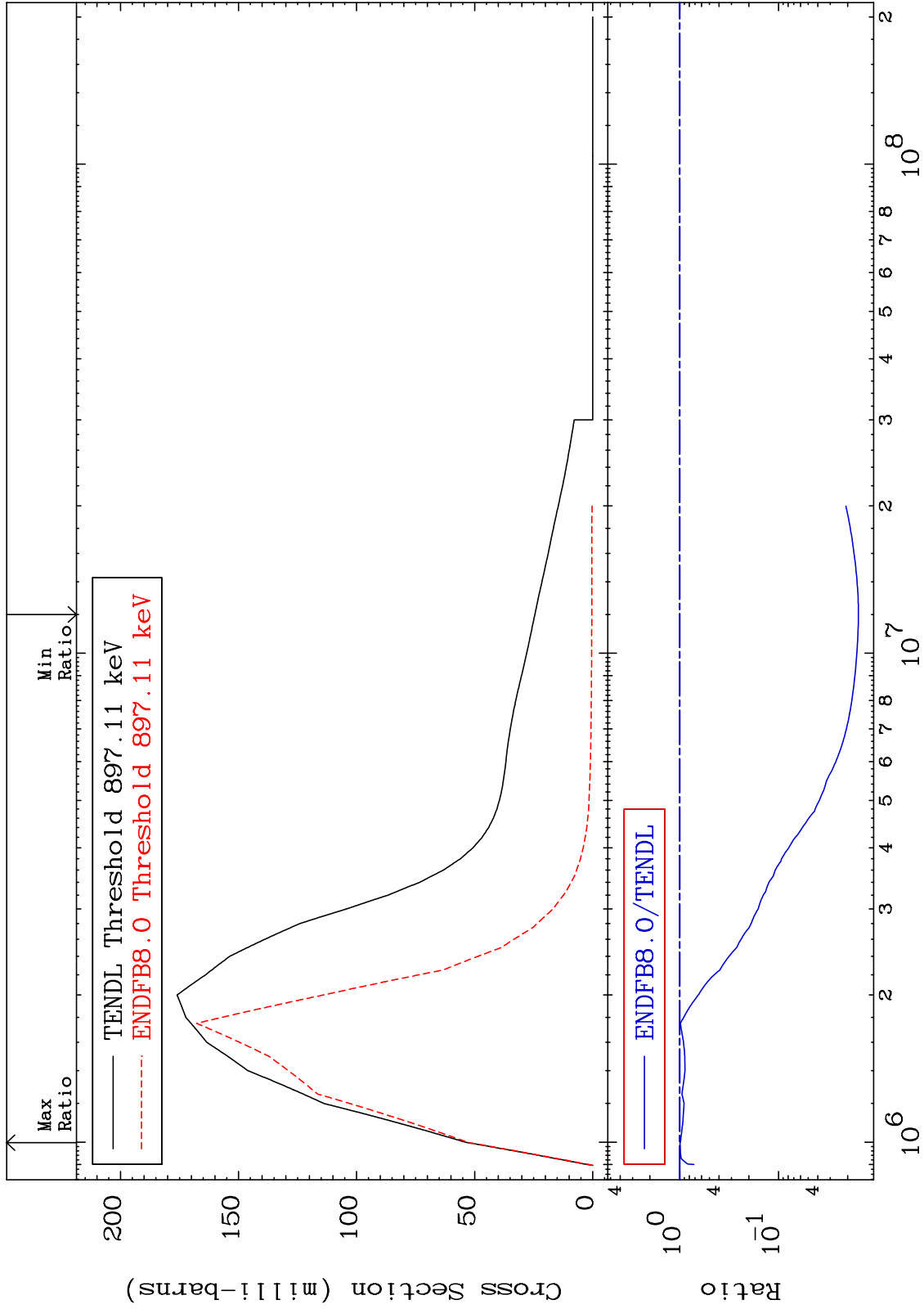
Incident Energy (eV)

44-Ru-104

MAT 4449

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

44-Ru-104
-98.44 To -0.739%

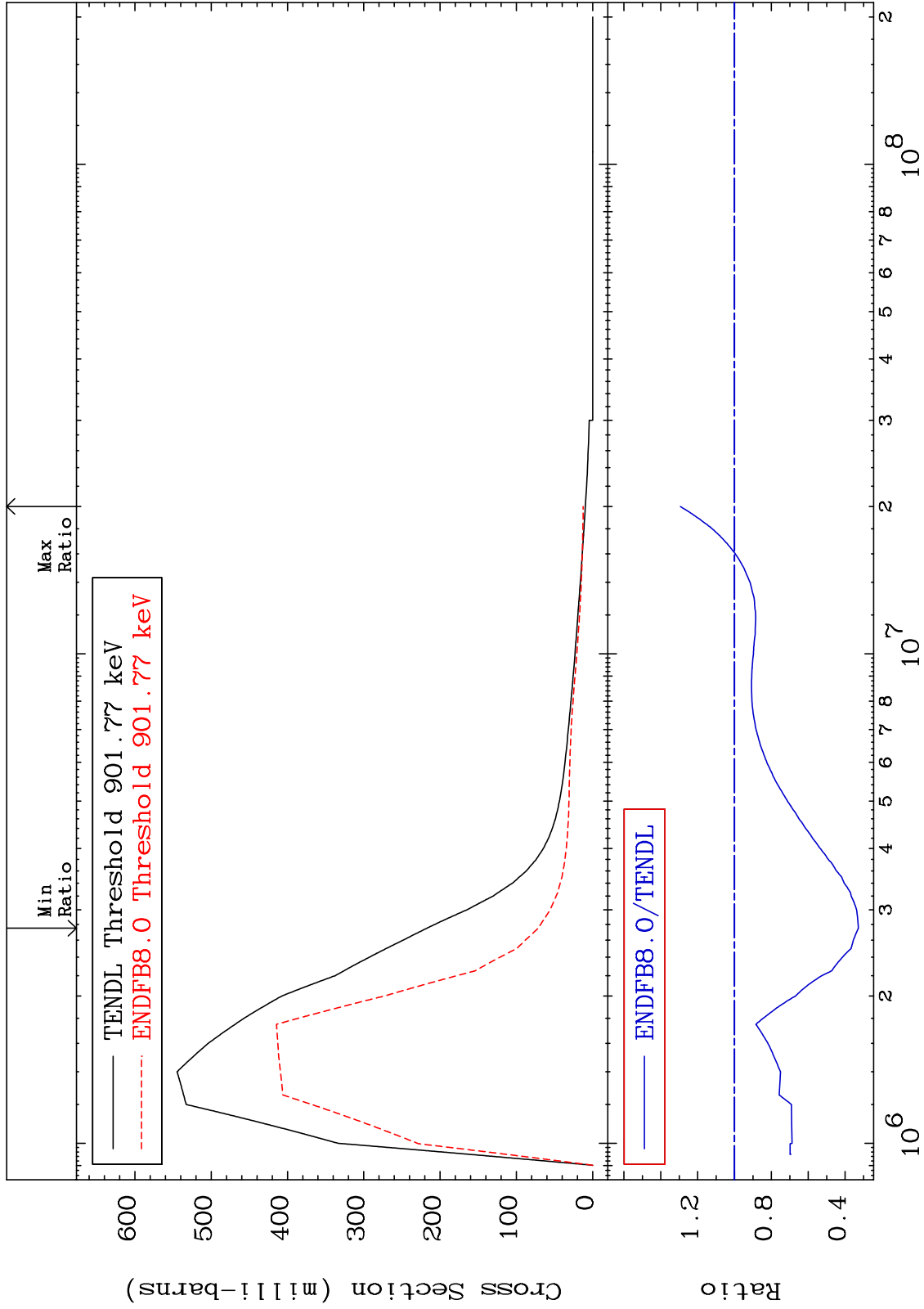


44-Ru-104

MAT 4449

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

44-Ru-104
-67.22 To 29.59 %



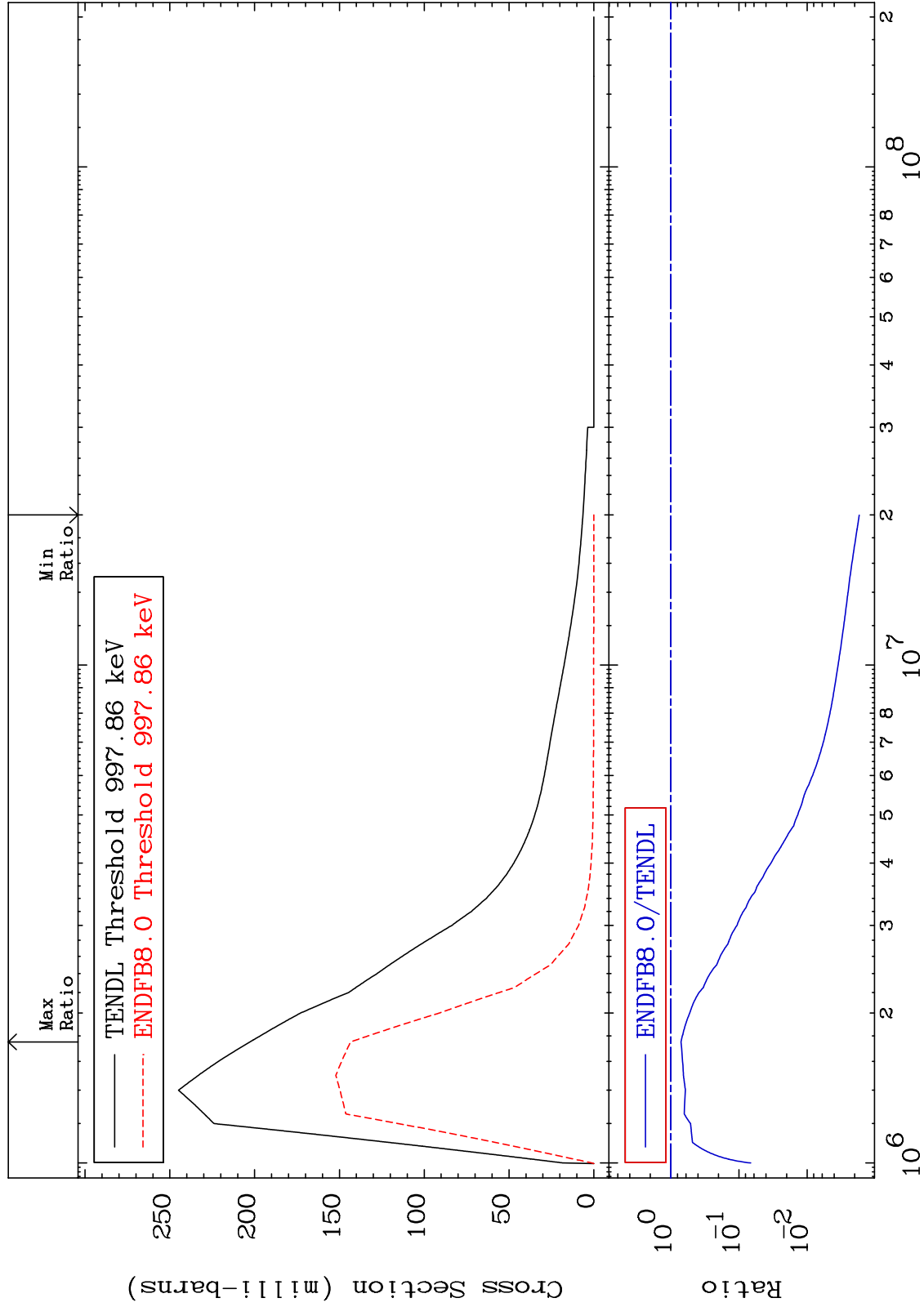
Incident Energy (eV)

44-Ru-104

MAT 4449

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

44-Ru-104
-99.83 To -29.26%



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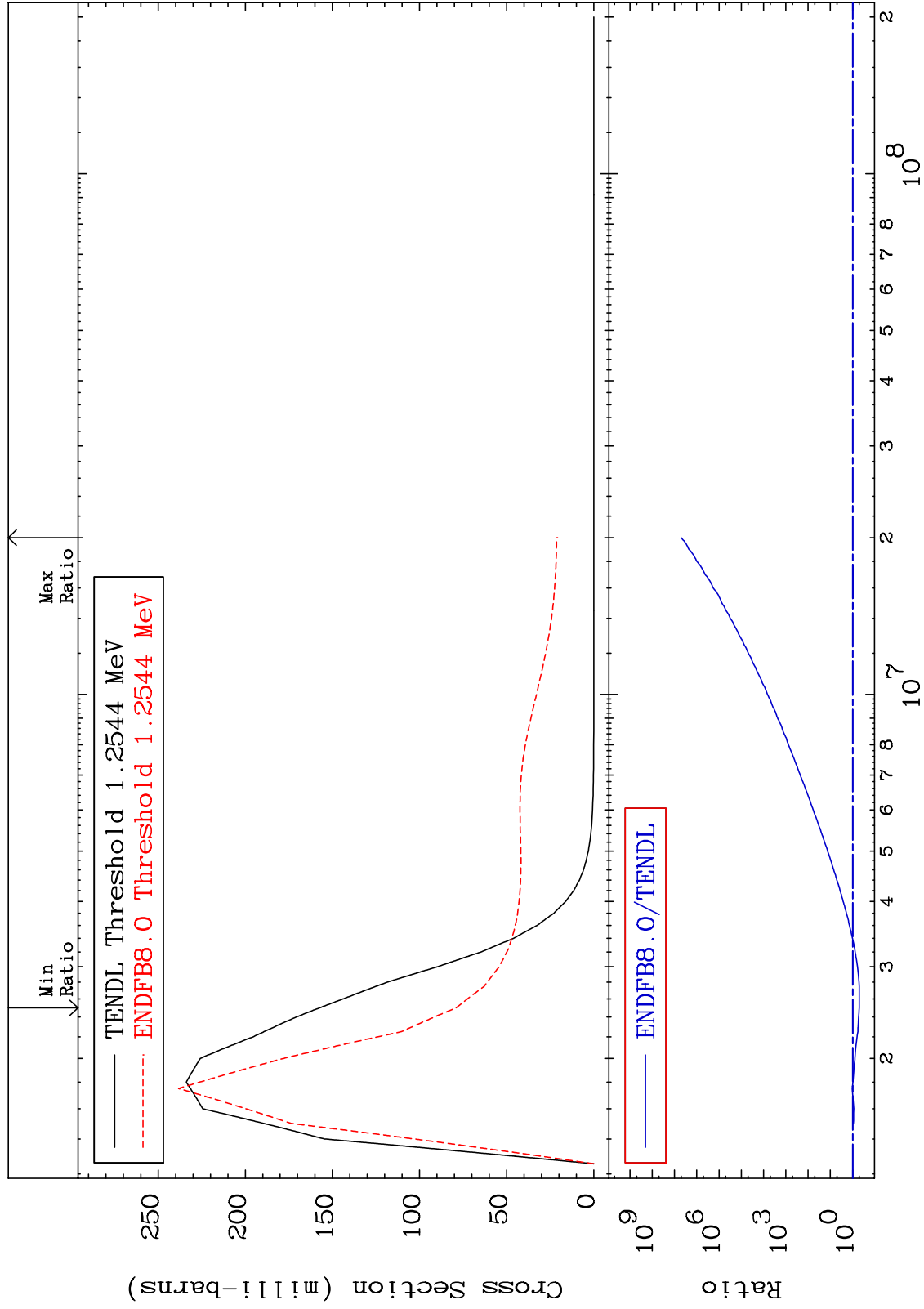
Incident Energy (eV)

44-Ru-104

MAT 4449

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

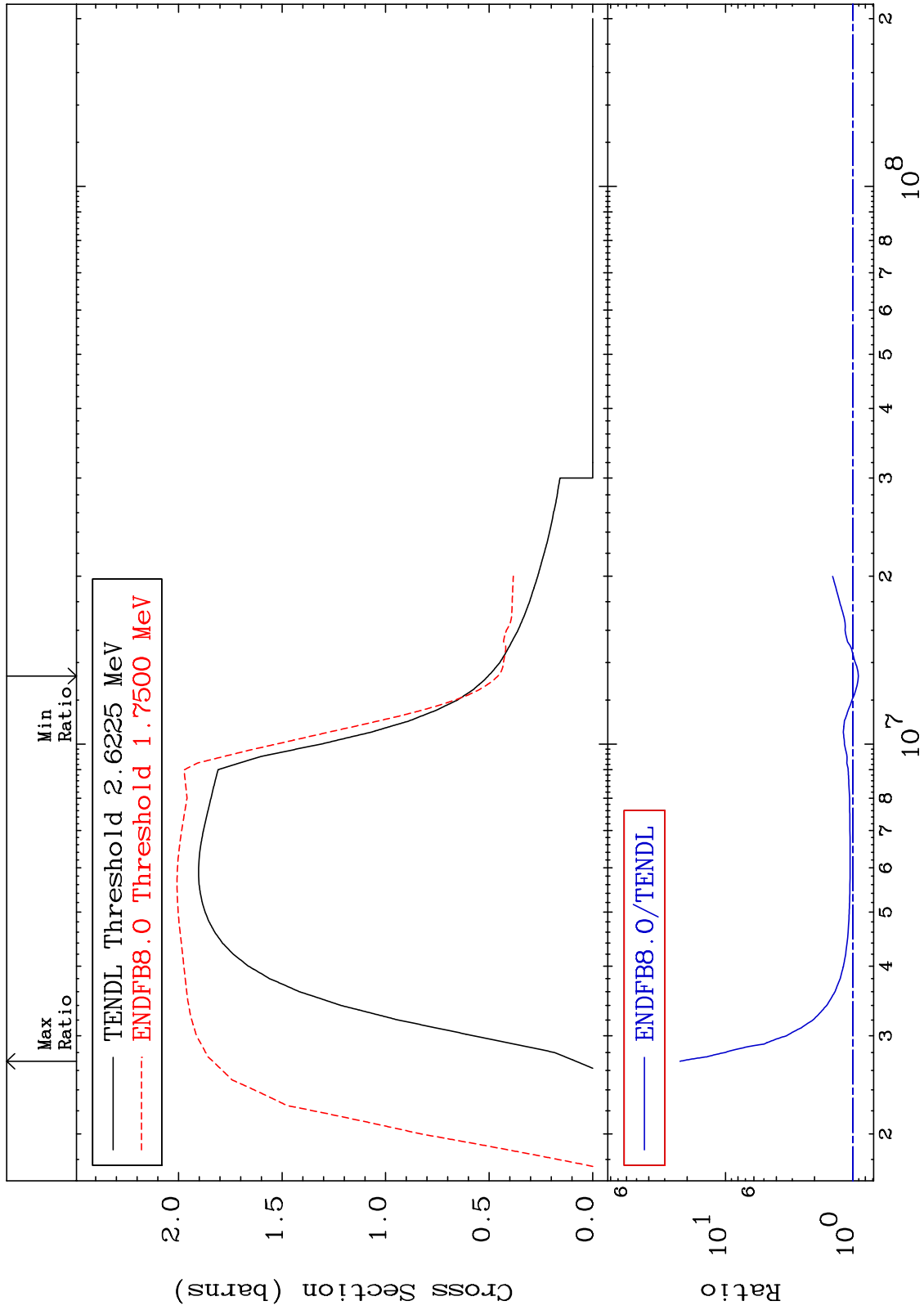
44-Ru-104
-49.81 To 9999. %



MAT 4449

(n, n') Continuum
Cross Section

44-Ru-104
-9.392 To 2178. %



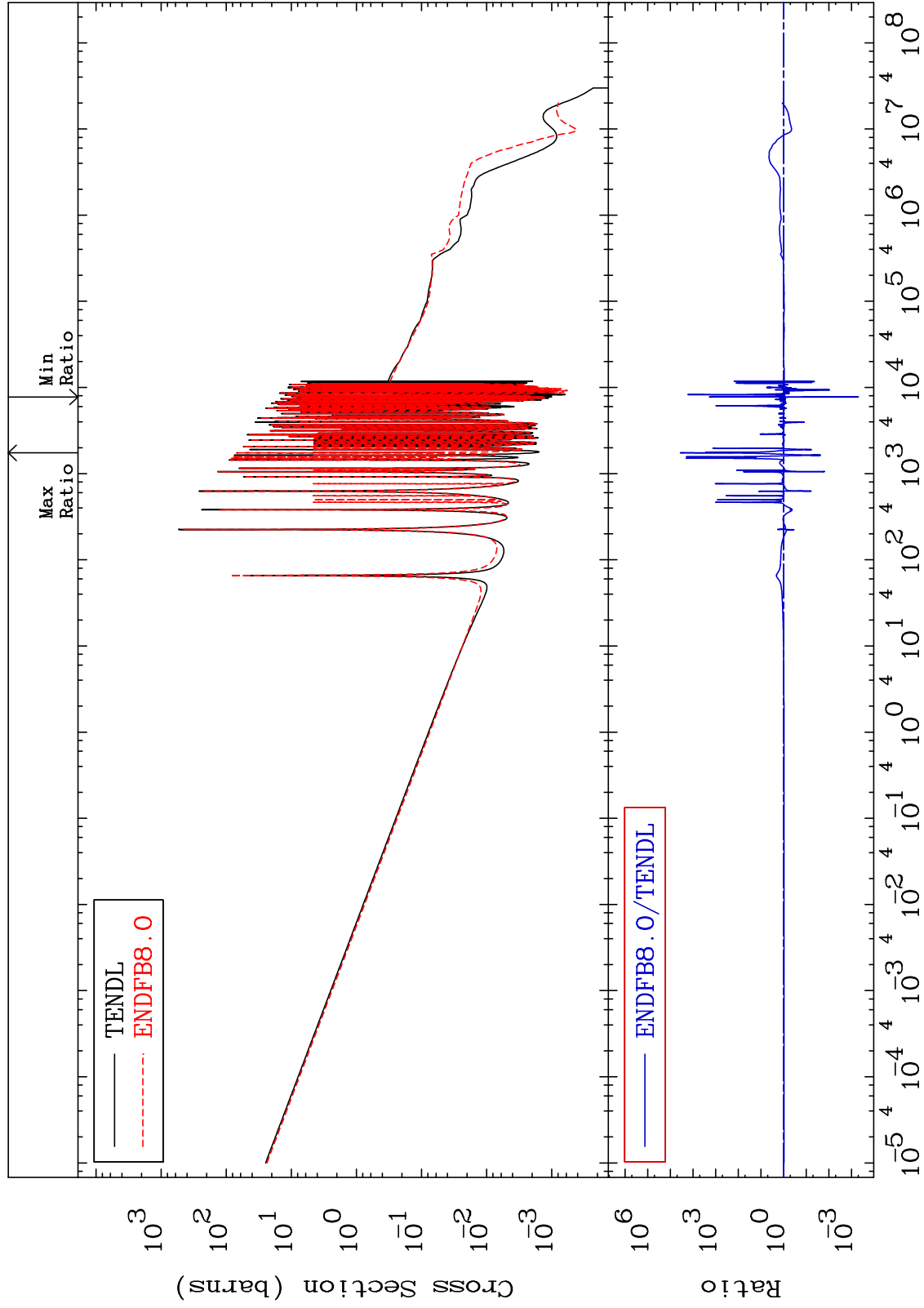
44-Ru-104

Incident Energy (eV)

MAT 4449

(n, γ)
Cross Section

44-Ru-104
-99.95 To 9999. %



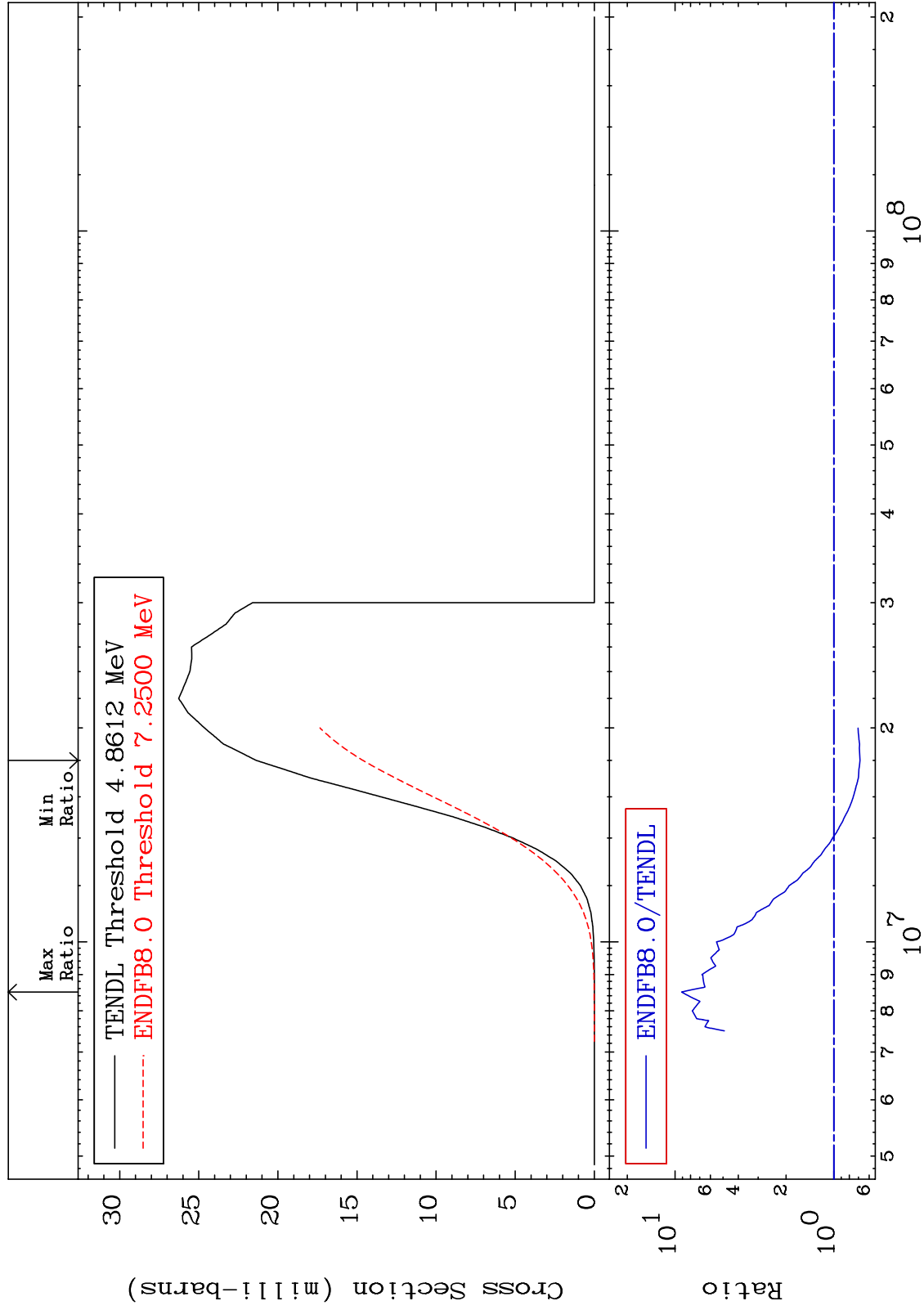
MAT 4449

(n, p)

44-Ru-104

Cross Section

-31.58 To 809.9 %



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44-Ru-104

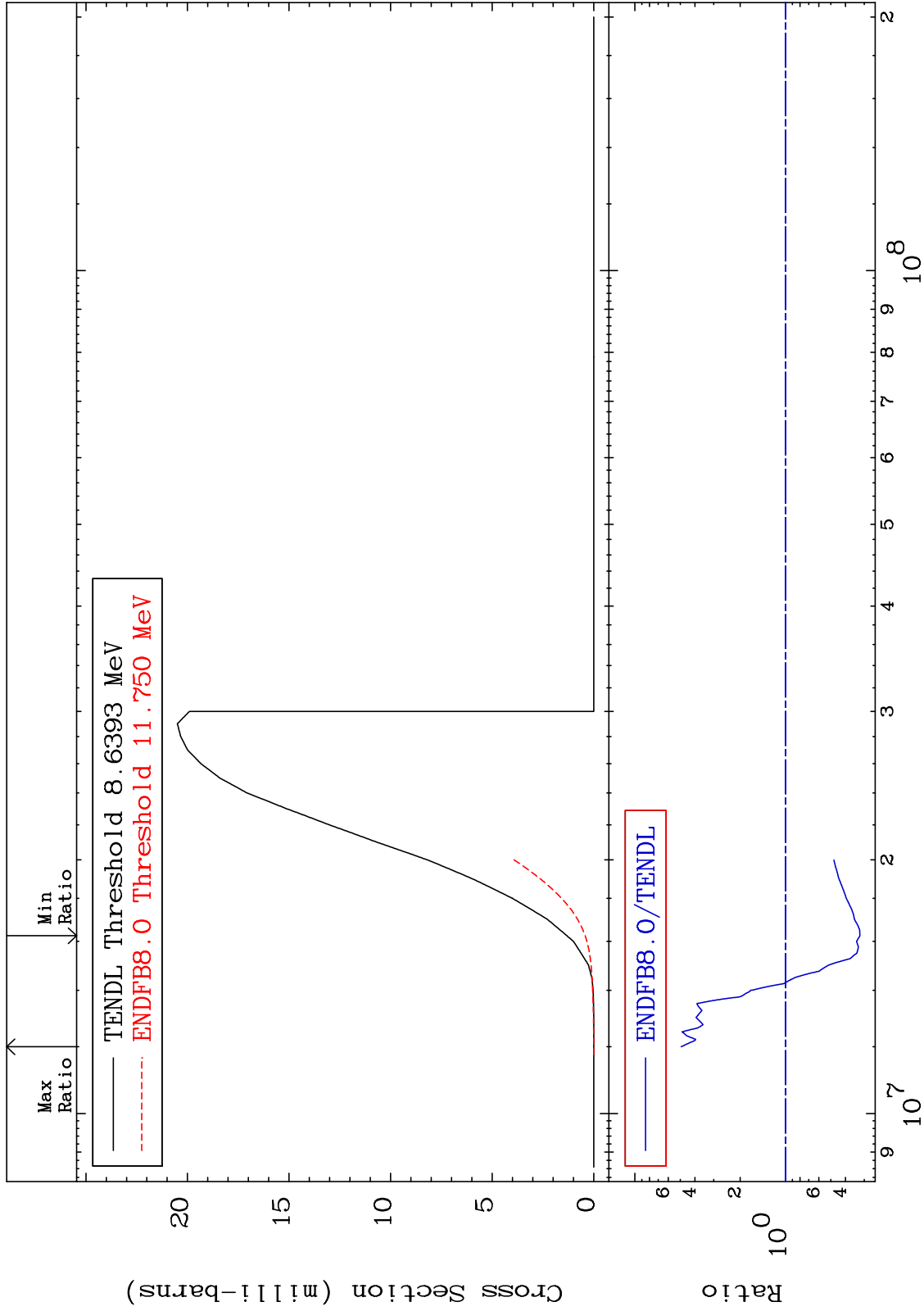
MAT 4449

(n, d)

44-Ru-104

Cross Section

-67.96 To 392.4 %



16

Incident Energy (eV)

44-Ru-104

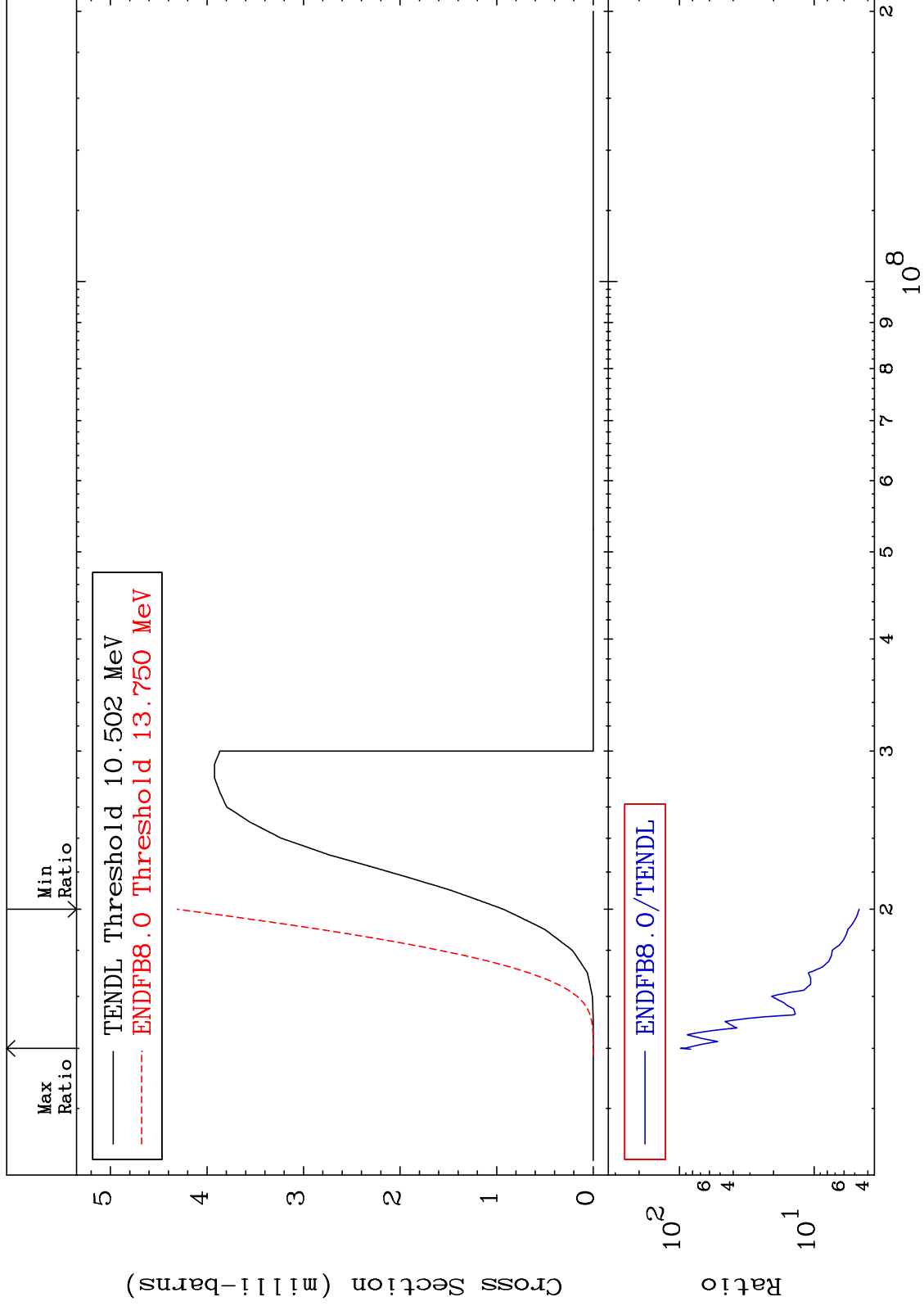
MAT 4449

(n, t)

44-Ru-104

Cross Section

363.2 To 9715. %



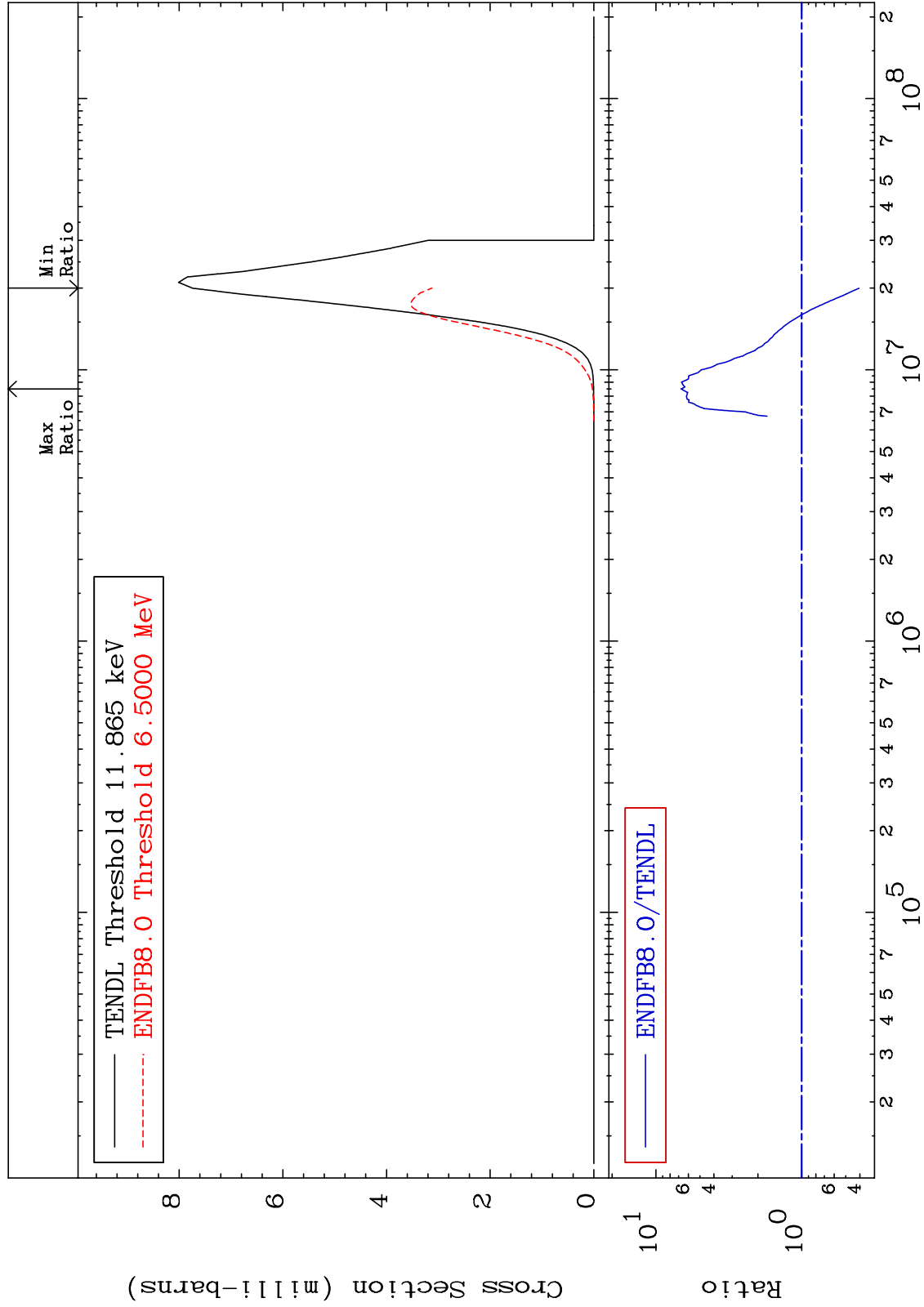
MAT 4449

(n, α)

44-Ru-104

Cross Section

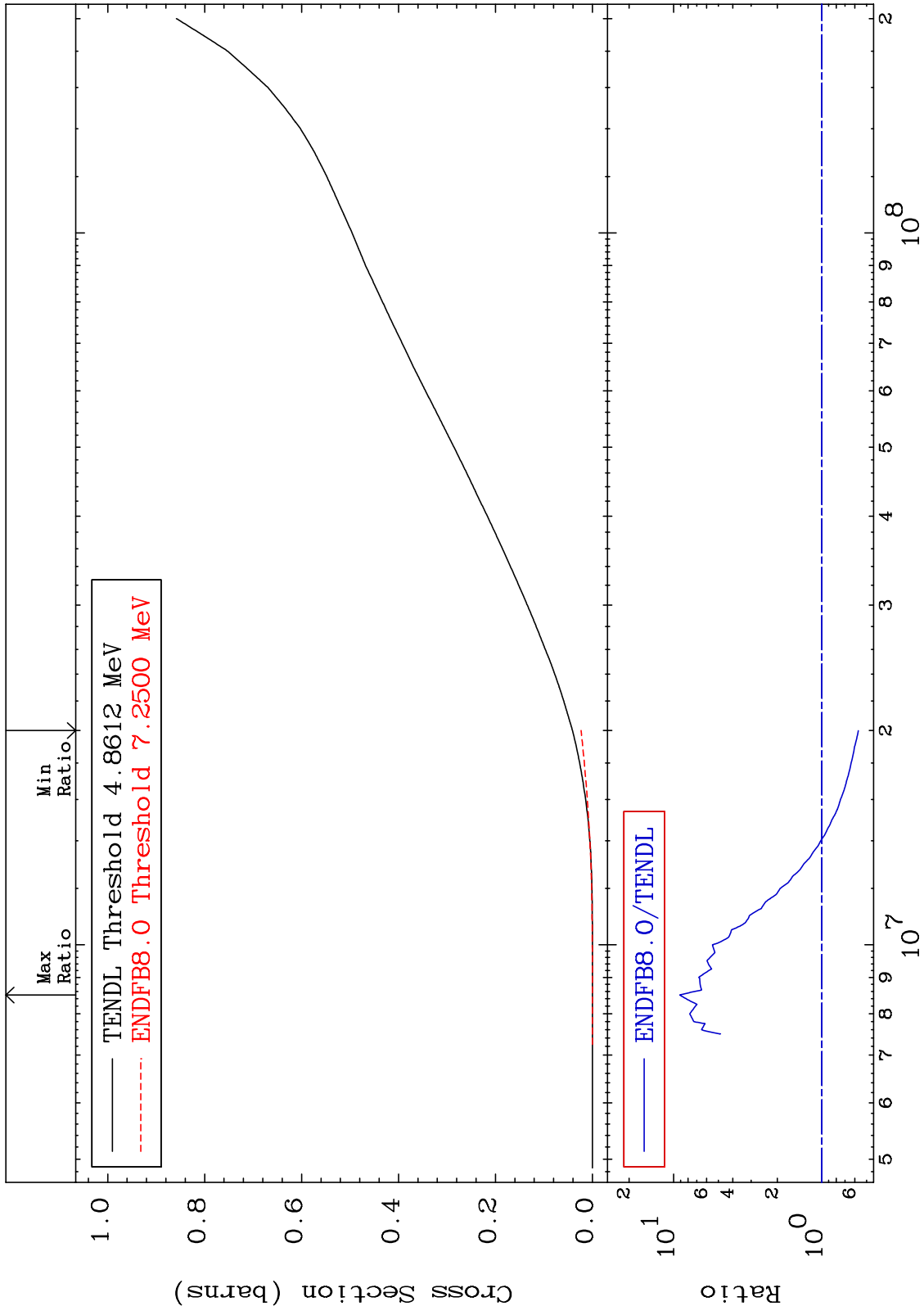
-59.67 To 572.7 %



MAT 4449

Hydrogen Production
Cross Section

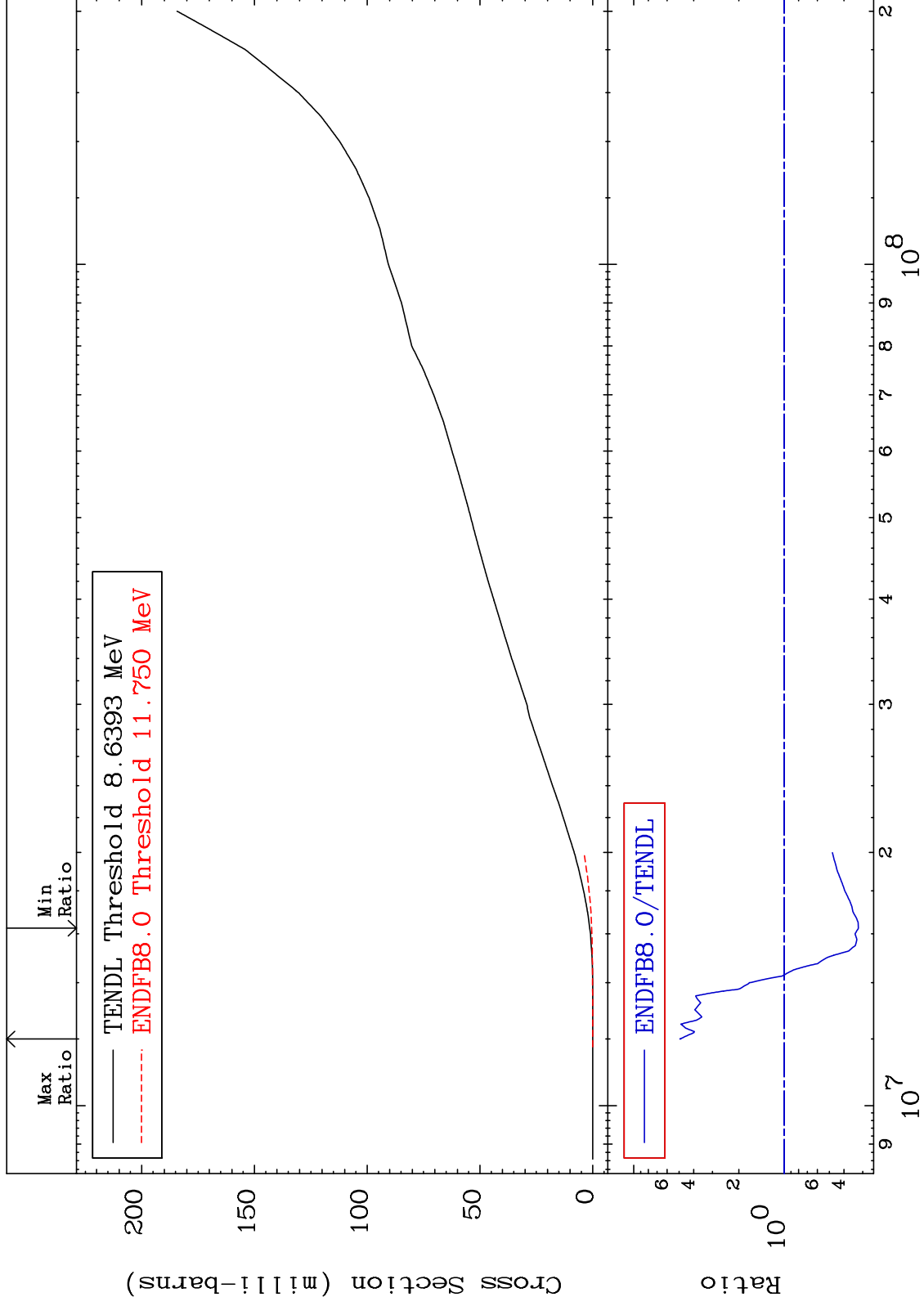
44-Ru-104
-43.21 To 809.9 %



MAT 4449

Deuterium Production
Cross Section

44-Ru-104
-67.96 To 392.4 %



20

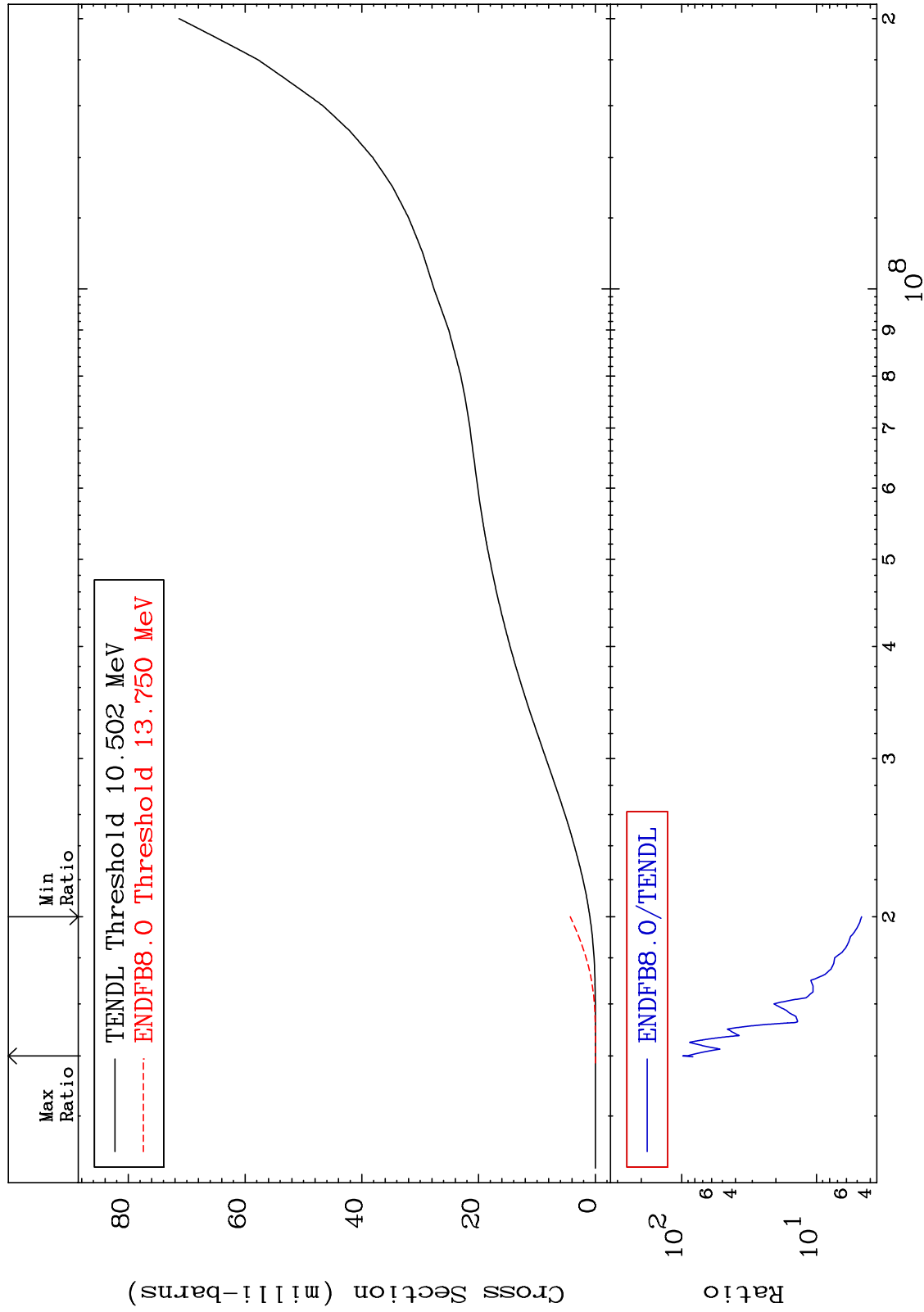
Incident Energy (eV)

44-Ru-104

MAT 4449

Tritium Production
Cross Section

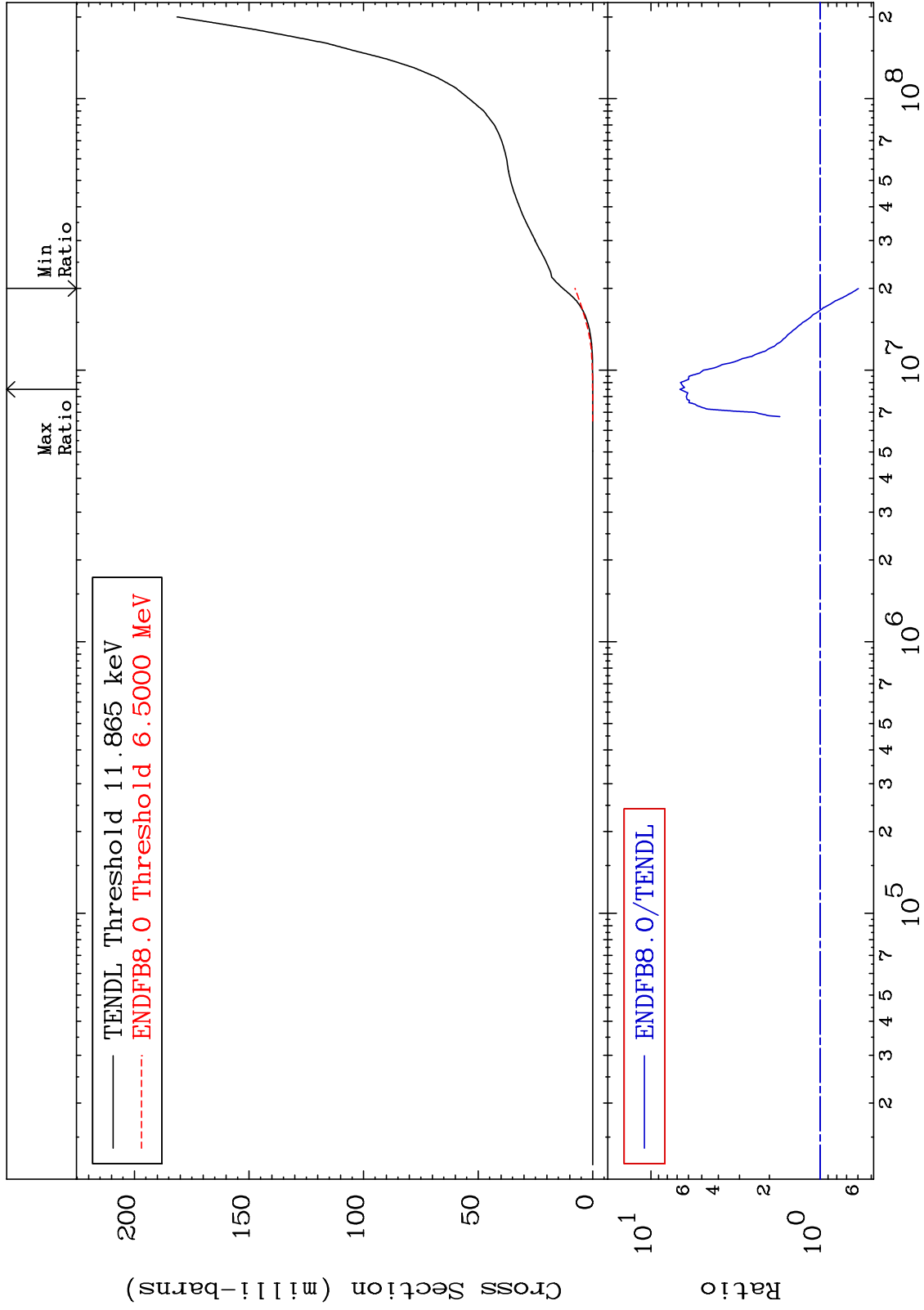
44-Ru-104
363.2 To 9715. %



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He-4 Production
Cross Section

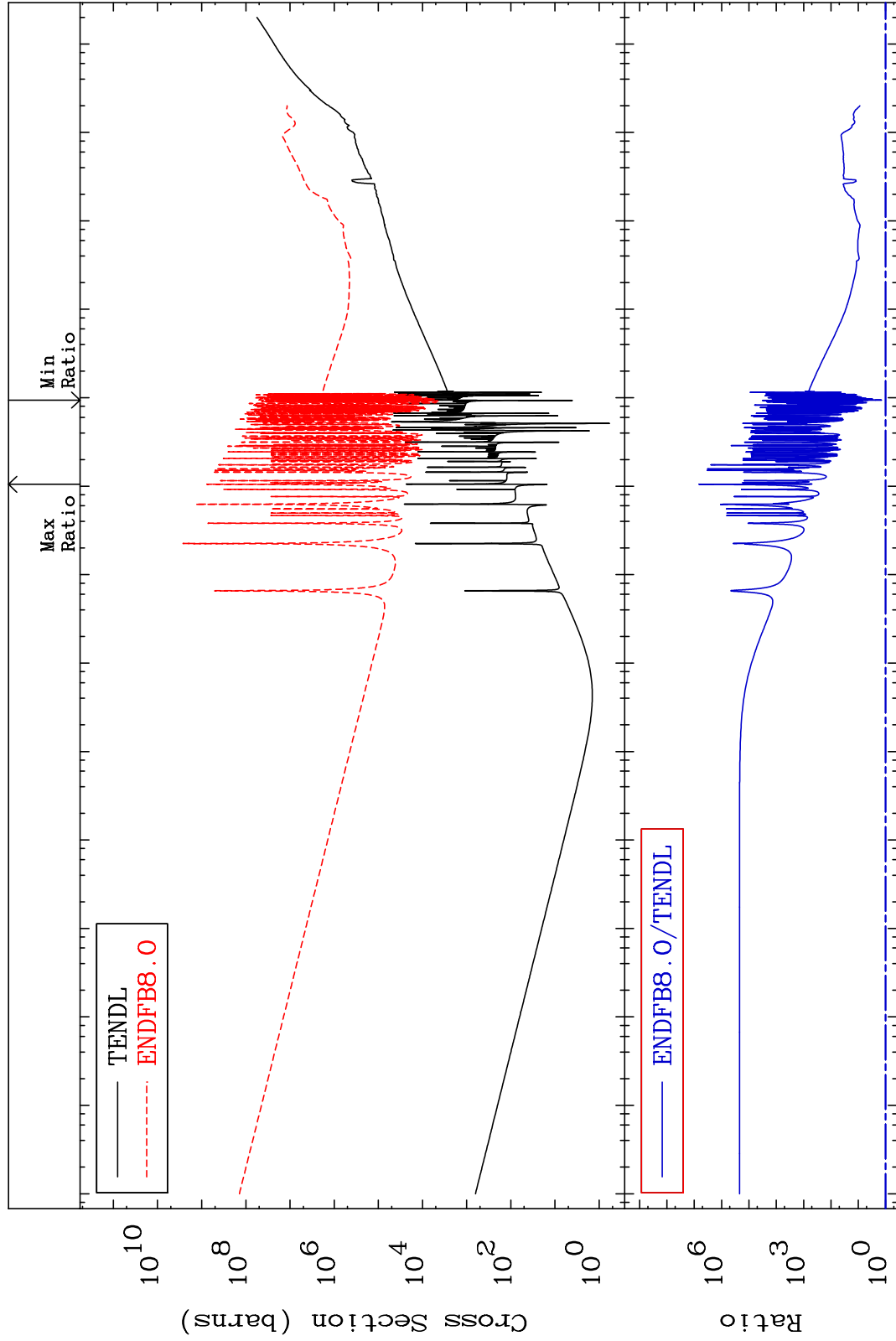
44-Ru-104
-40.45 To 572.7 %



MAT 4449

Kerma total (eV-barns)
Cross Section

44-Ru-104
40.72 To 9999. %

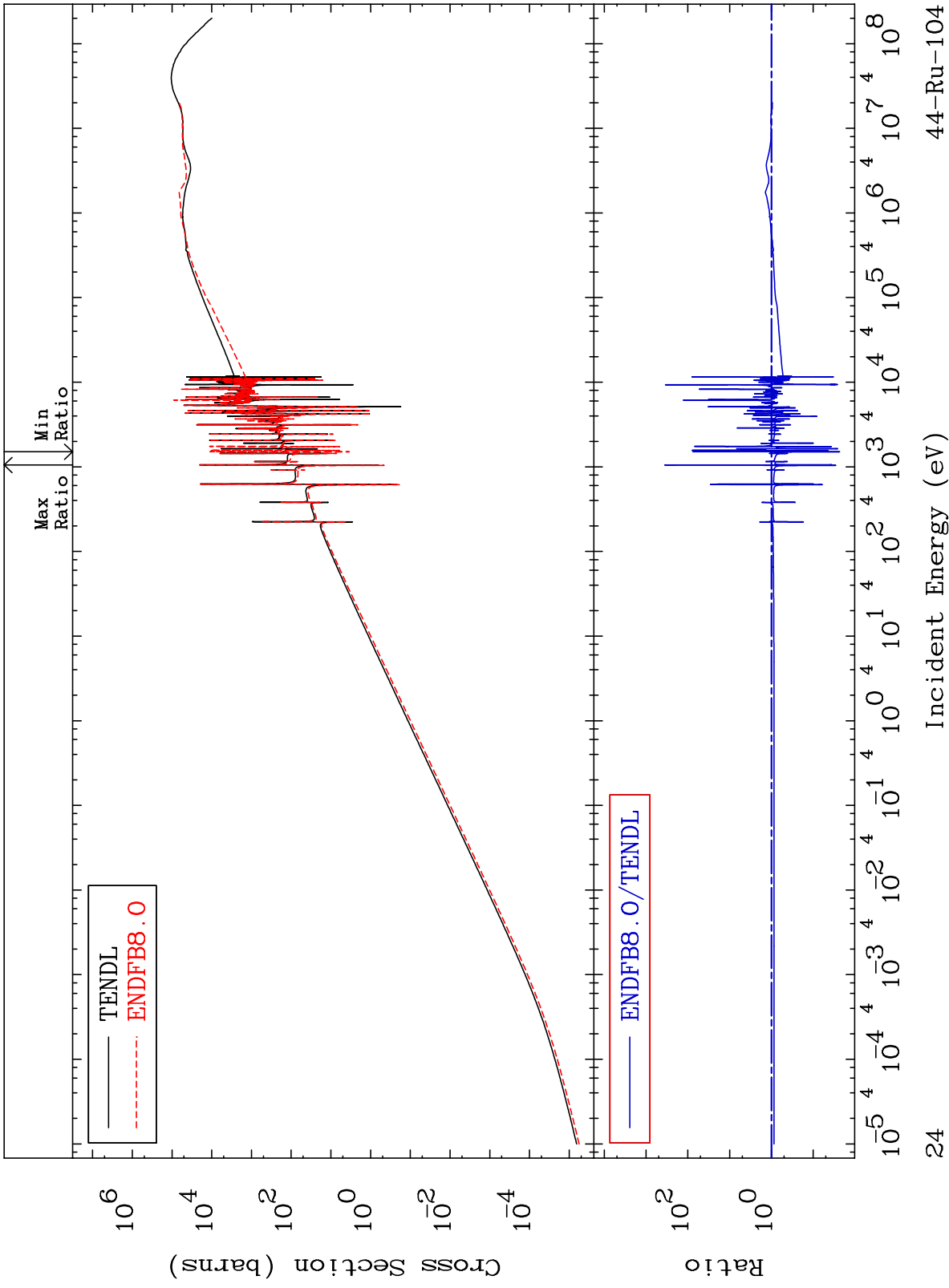


Incident Energy (eV) 44-Ru-104

MAT 4449

Kerma elastic
Cross Section

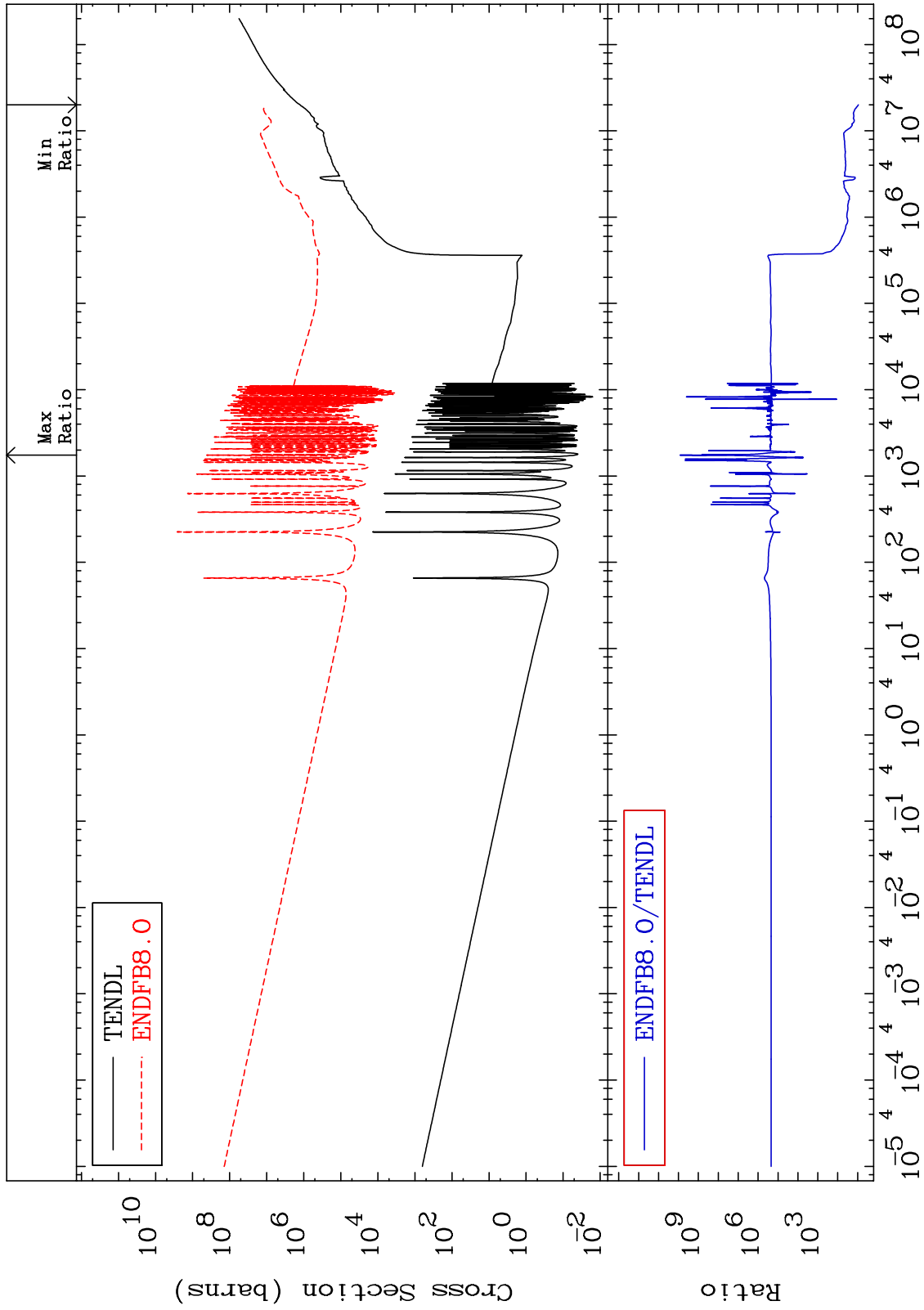
44-Ru-104
-97.68 To 9999. %



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Kerma non-elastic (all but mt2)
Cross Section

44-Ru-104
816.9 To 9999. %



25

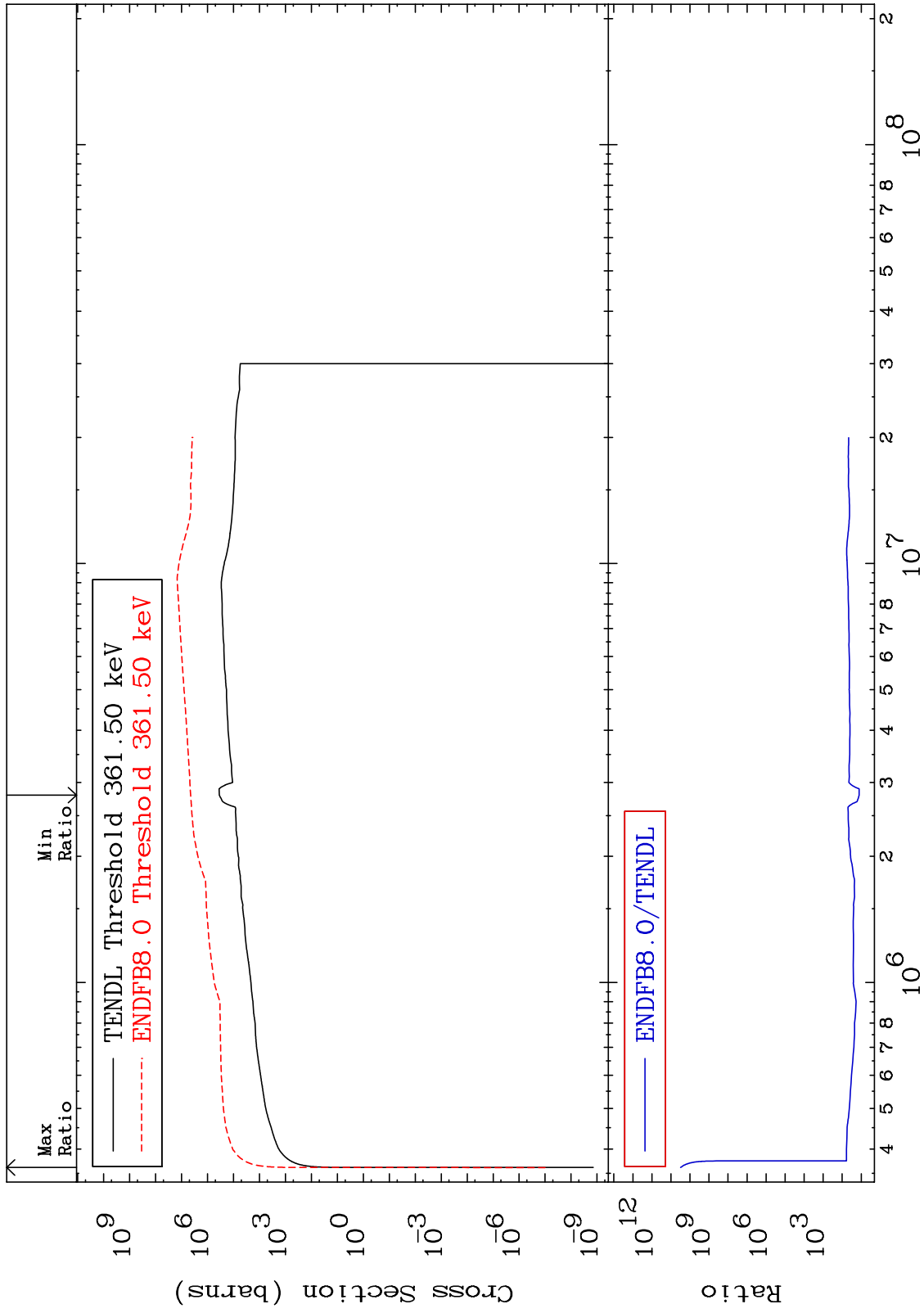
Incident Energy (eV)

44-Ru-104

MAT 4449

Kerma inelastic (mt51-91)
Cross Section

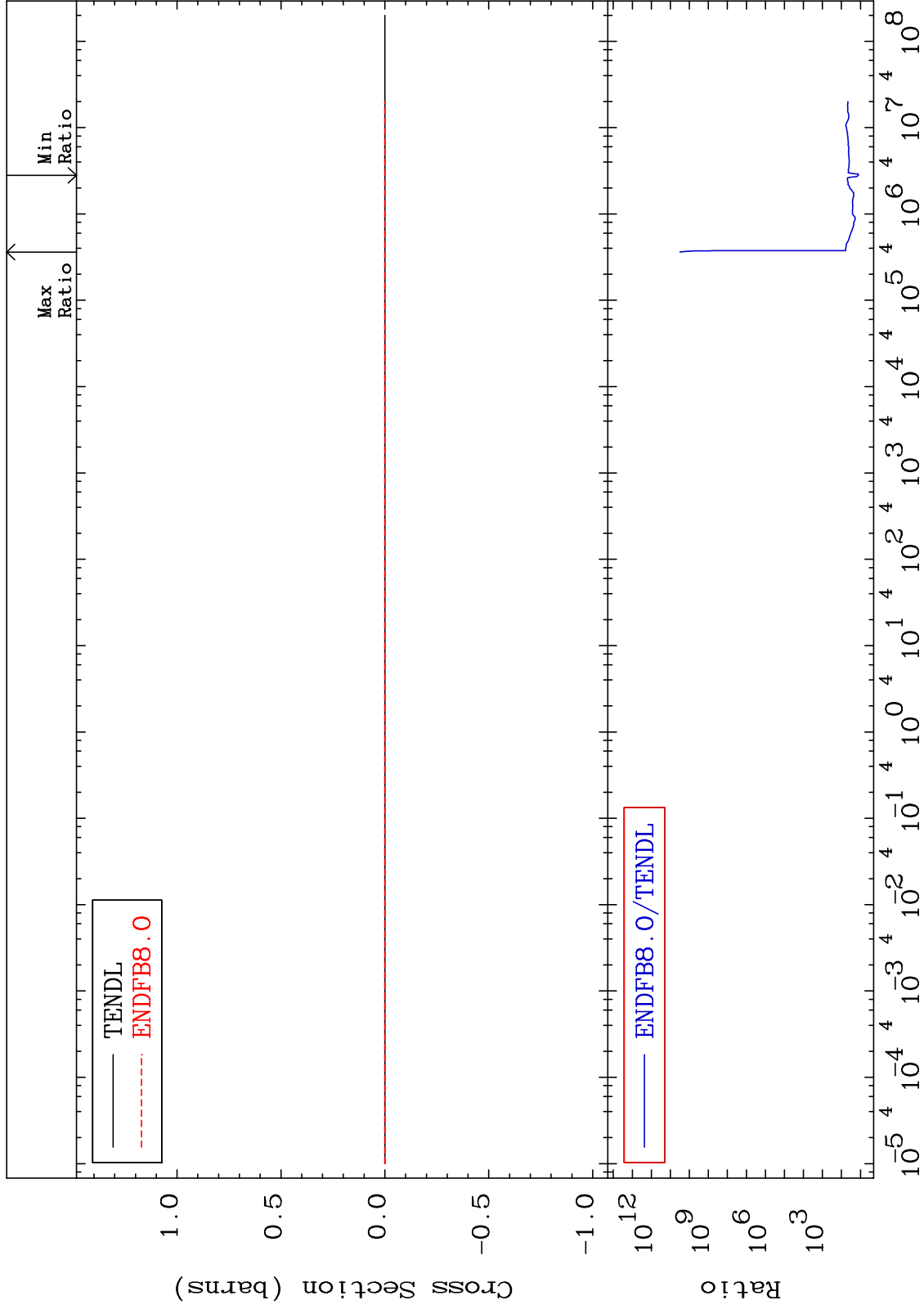
44-Ru-104
1179. To 9999. %



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

44-Ru-104
1179. To 9999. %



27

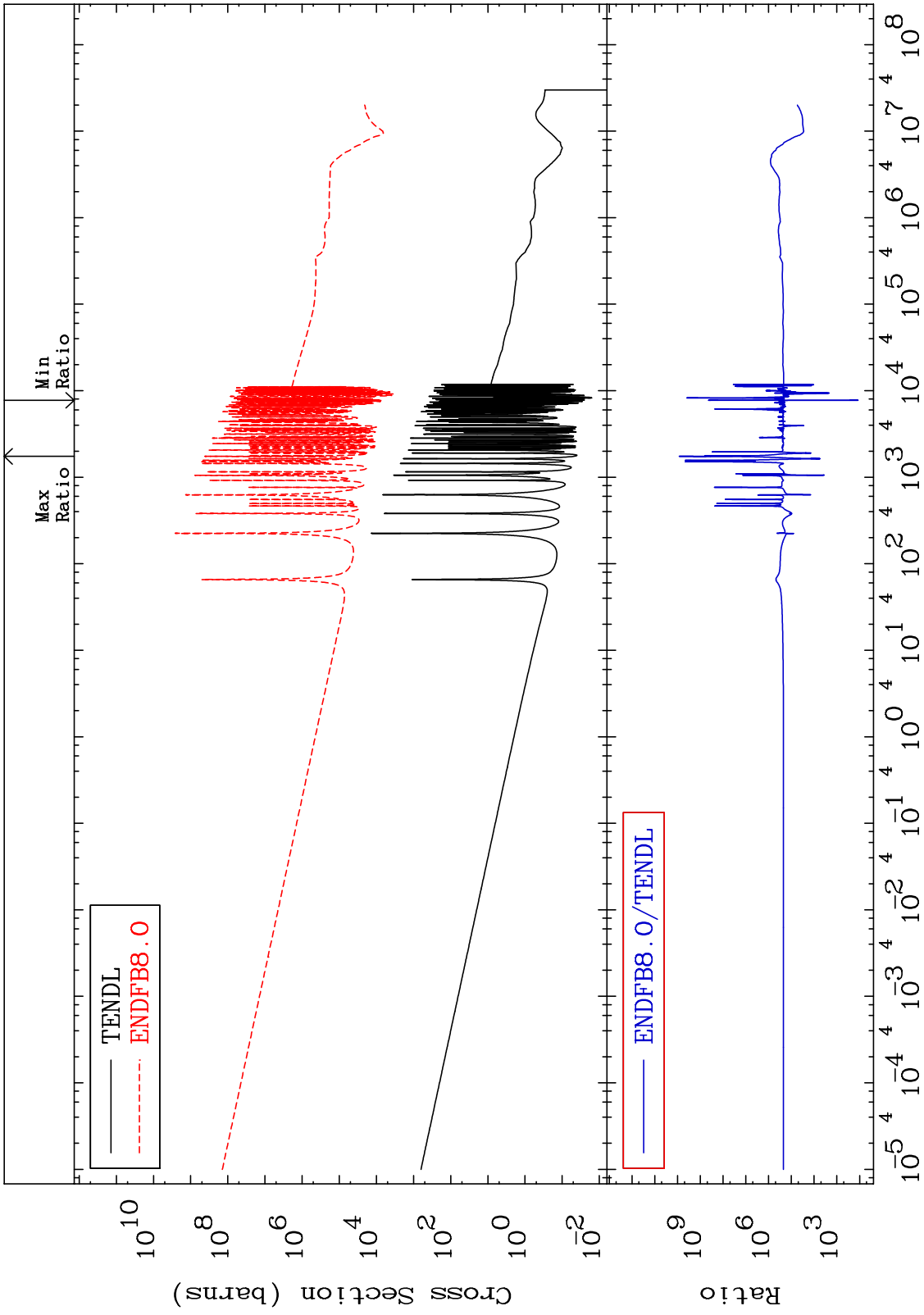
Incident Energy (eV)

44-Ru-104

MAT 4449

Kerma capture (mt102)
Cross Section

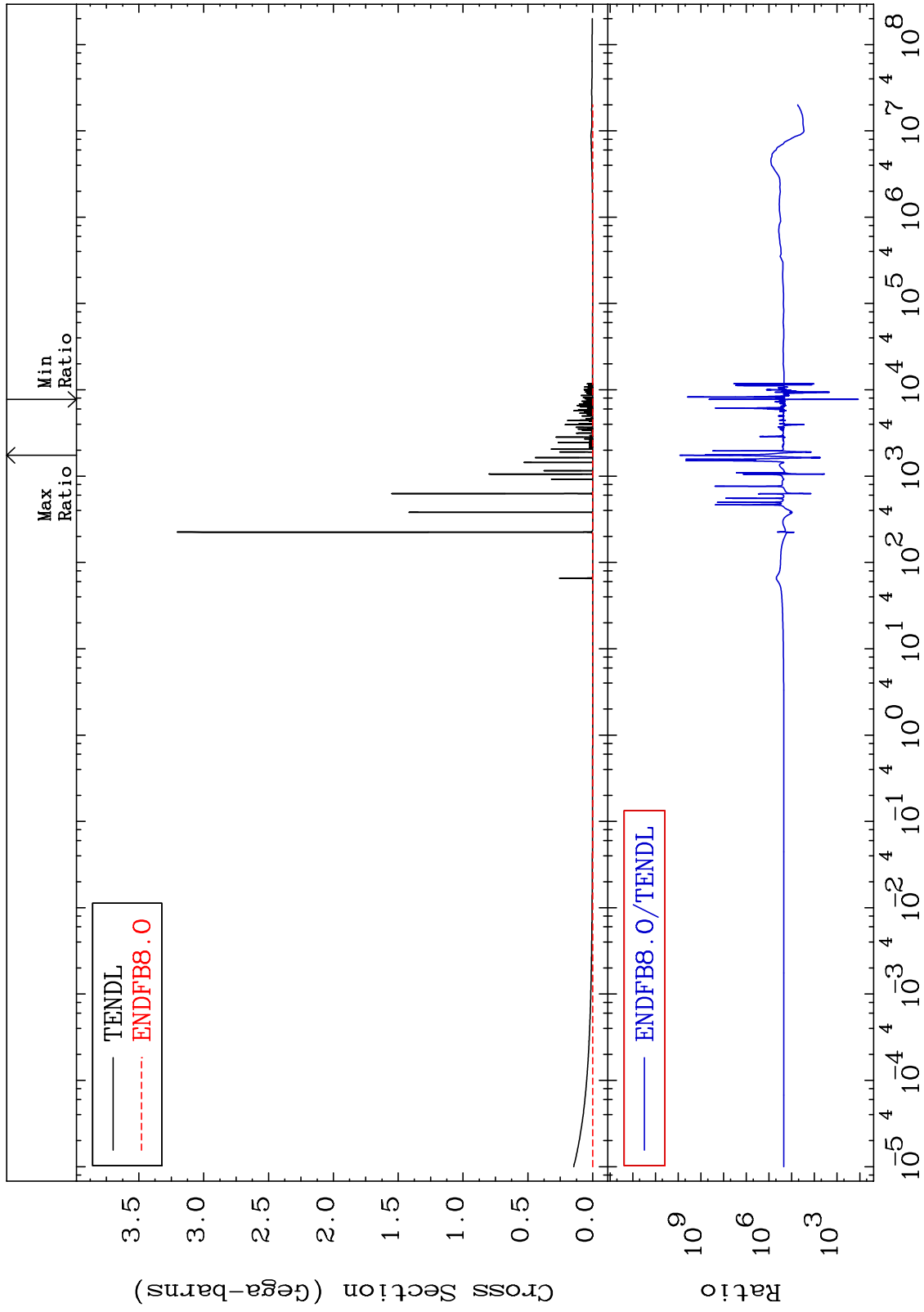
44-Ru-104
9999. To 9999. %



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Total photon (eV-barns)
Cross Section

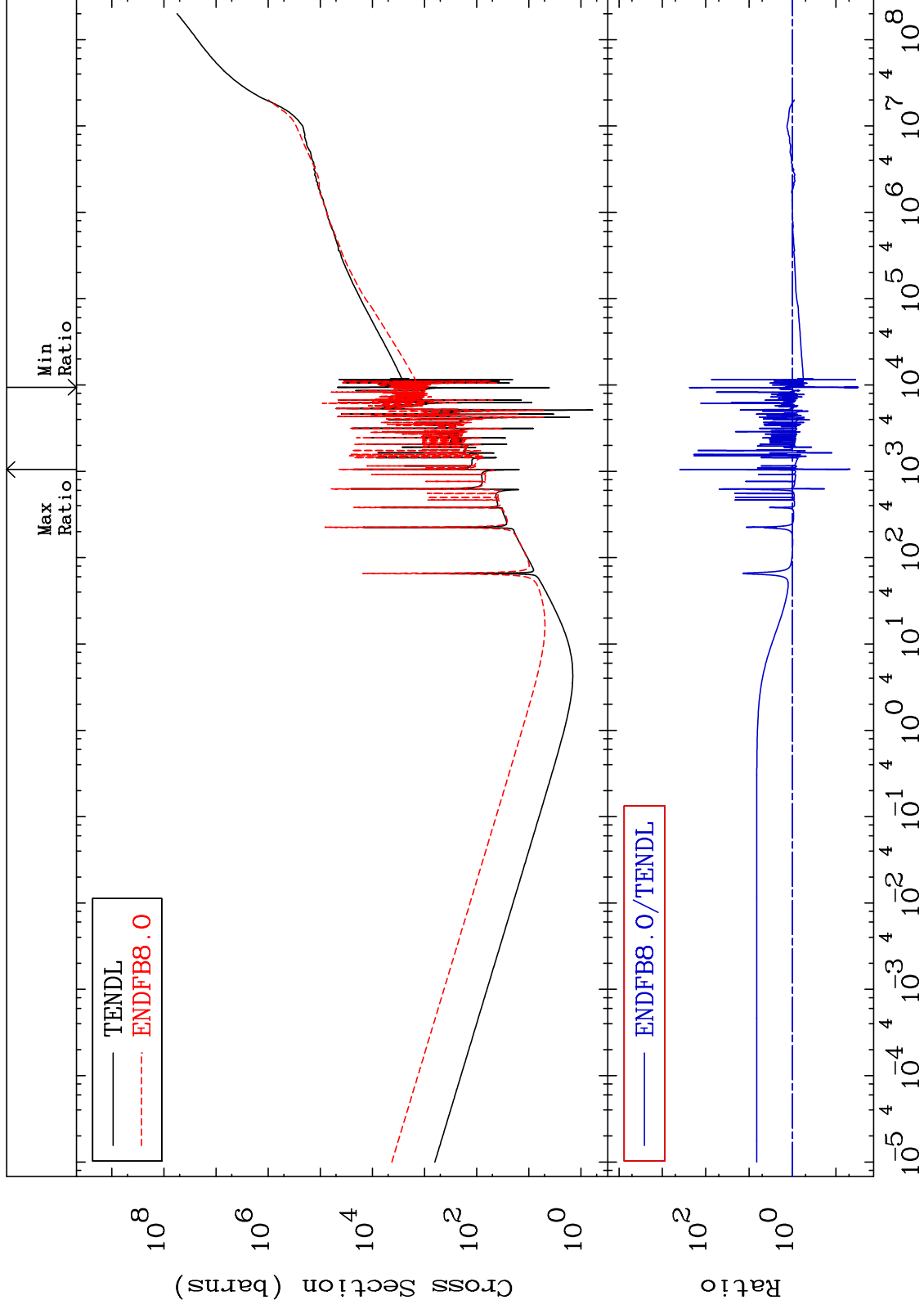
44-Ru-104
9999. To 9999. %



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Total kinematic kerma (high limit)
Cross Section

44-Ru-104
-96.98 To 9999. %



30

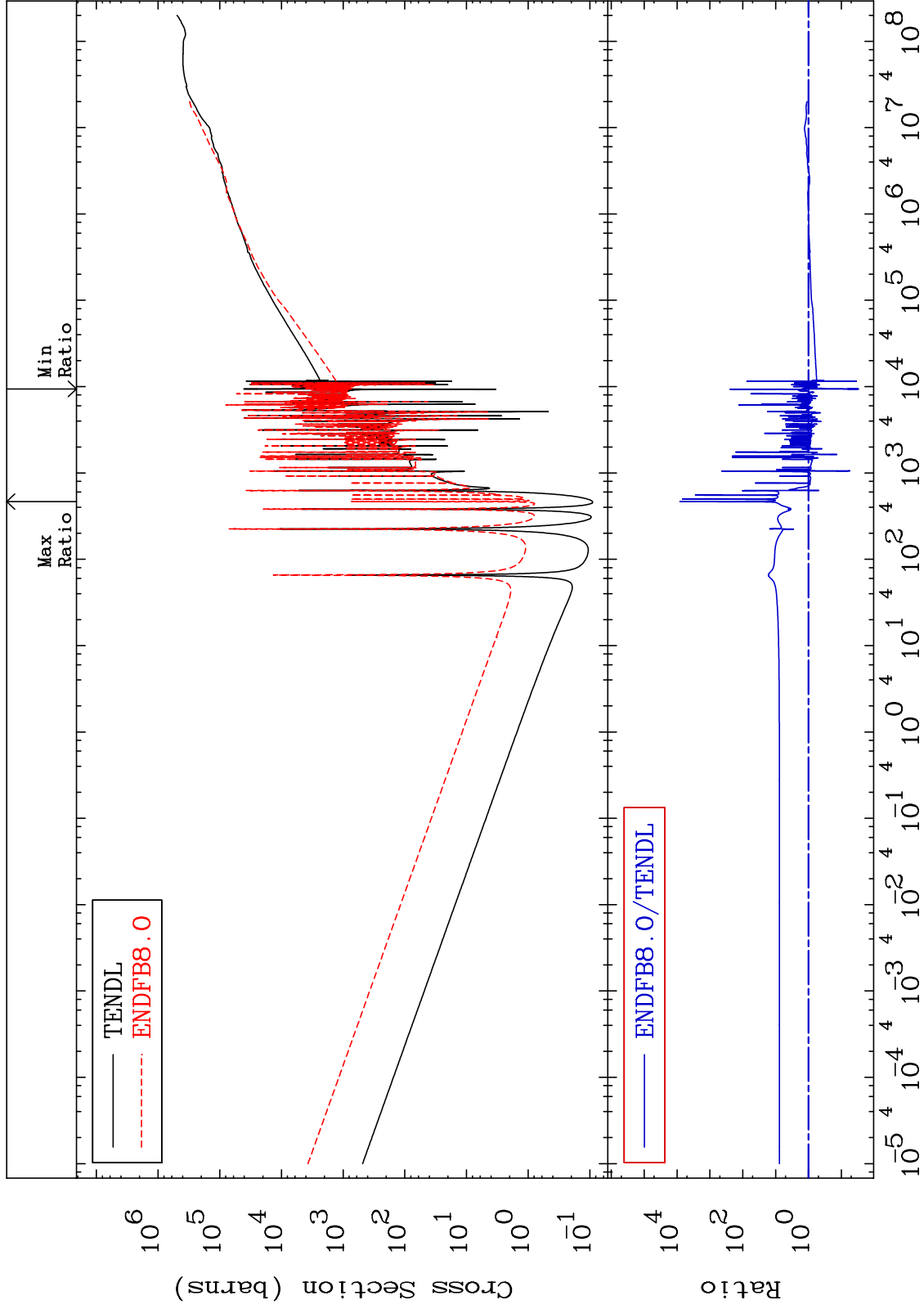
Incident Energy (eV)

44-Ru-104

MAT 4449

Dpa total (eV-barns)
Cross Section

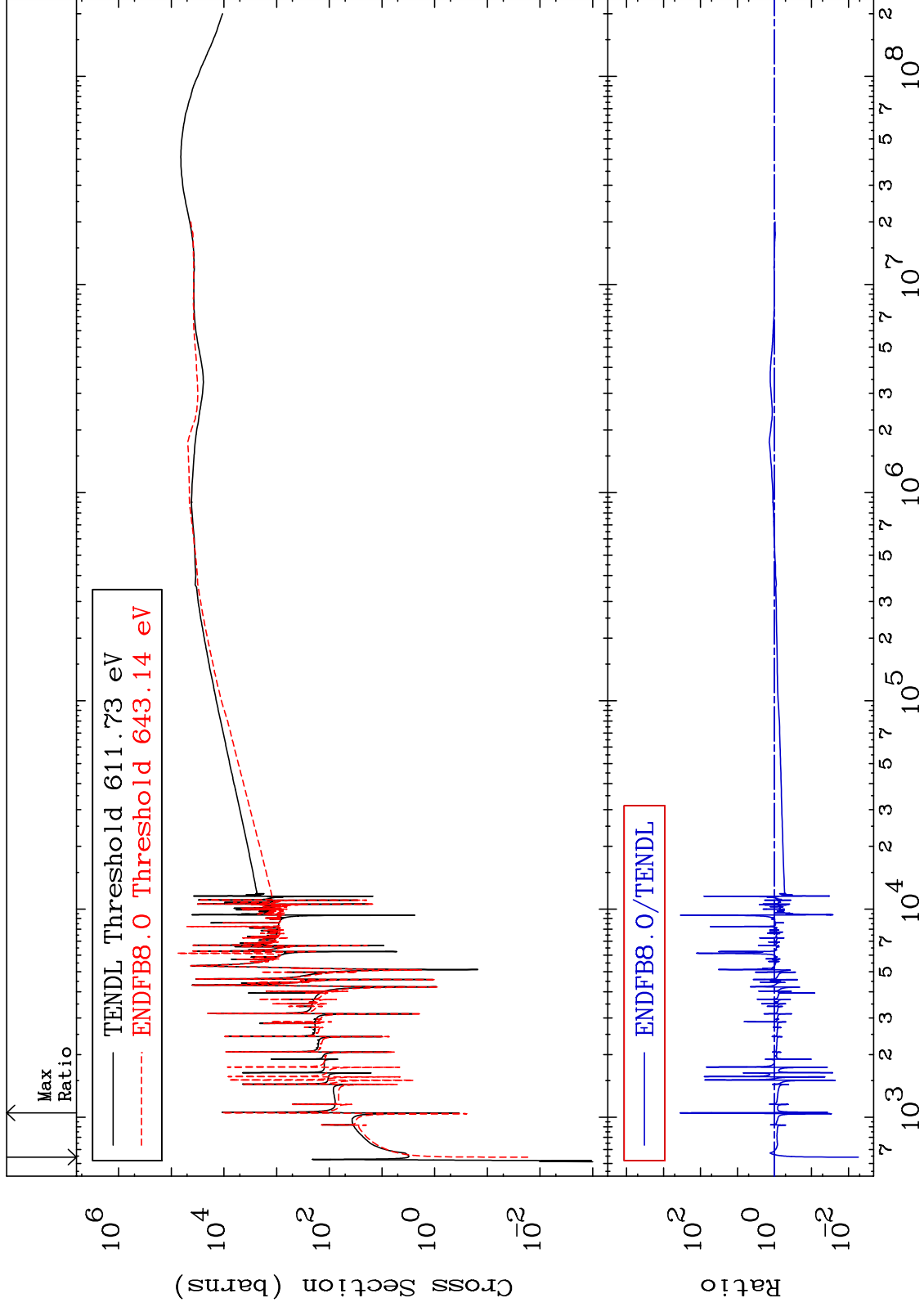
44-Ru-104
-96.98 To 9999. %



MAT 4449

Dpa elastic (mt2)
Cross Section

44-Ru-104
-99.46 To 9999. %



32

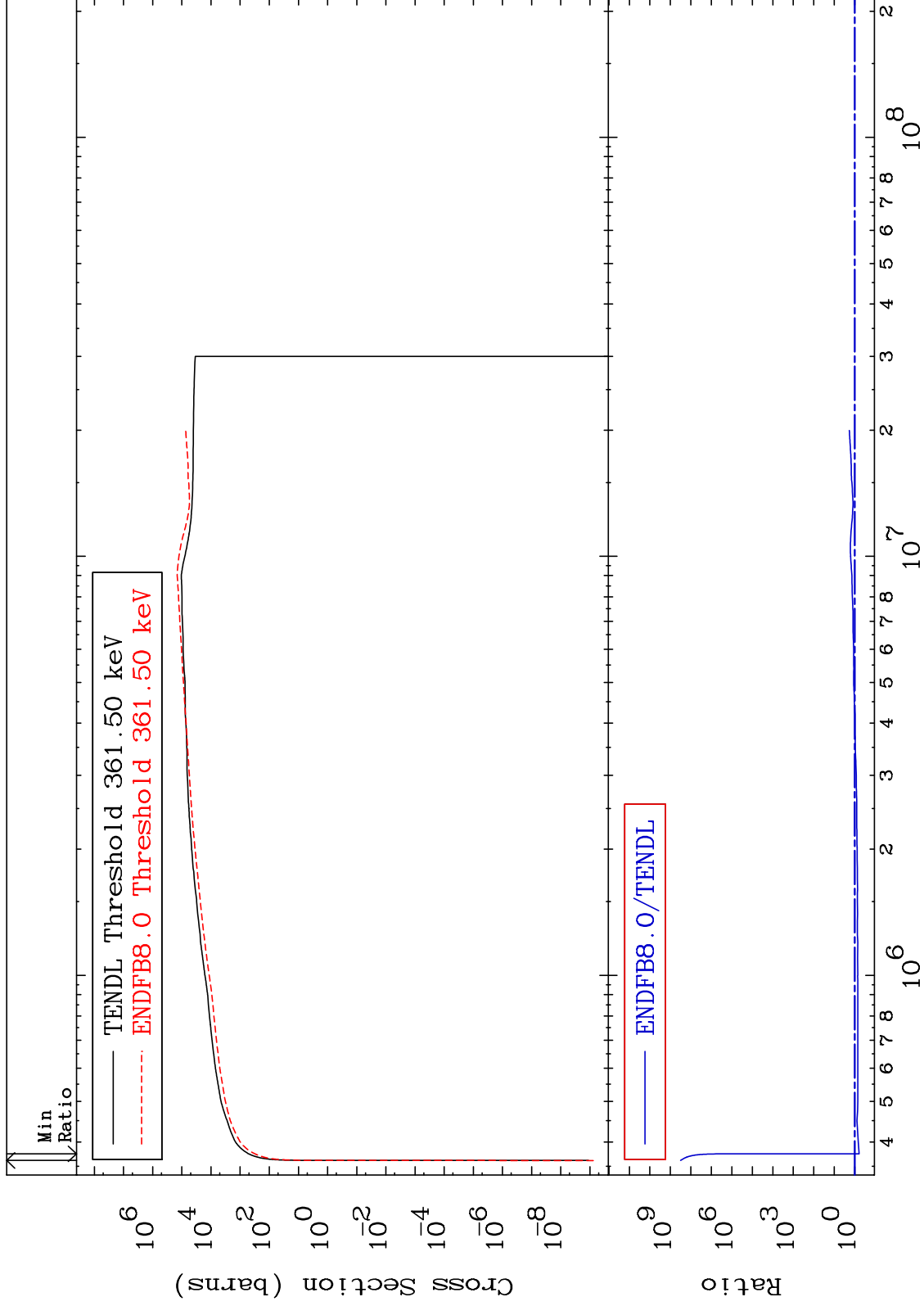
44-Ru-104

44-Ru-104

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Dpa inelastic (mt51-91)
Cross Section

44-Ru-104
-39.05 To 9999. %



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Dpa disappearance (mt102 -120)
Cross Section

44-Ru-104
-99.44 To 9999. %

