

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

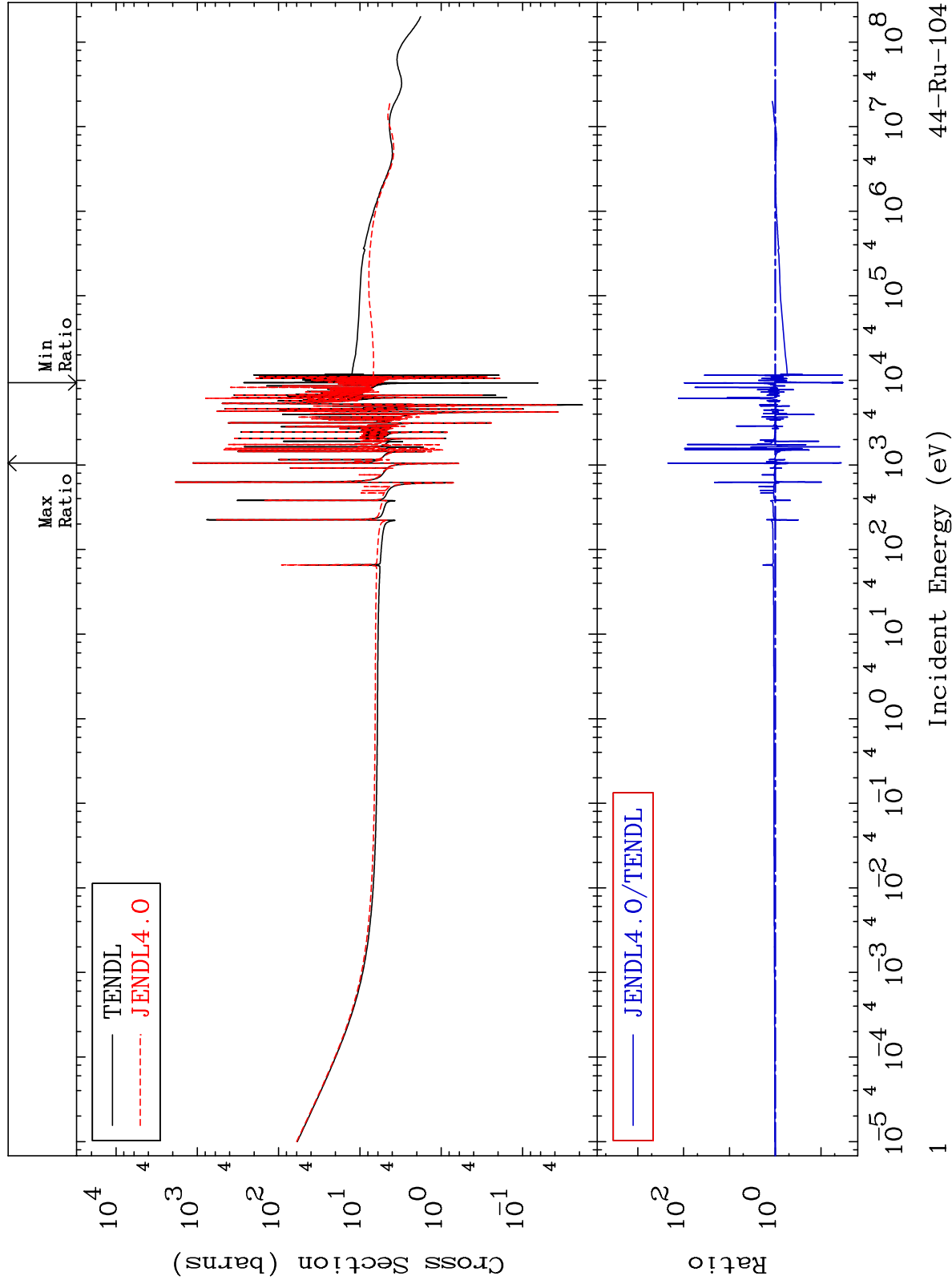
MAT 4449

Total

44-Ru-104

Cross Section

-96.67 To 9999. %



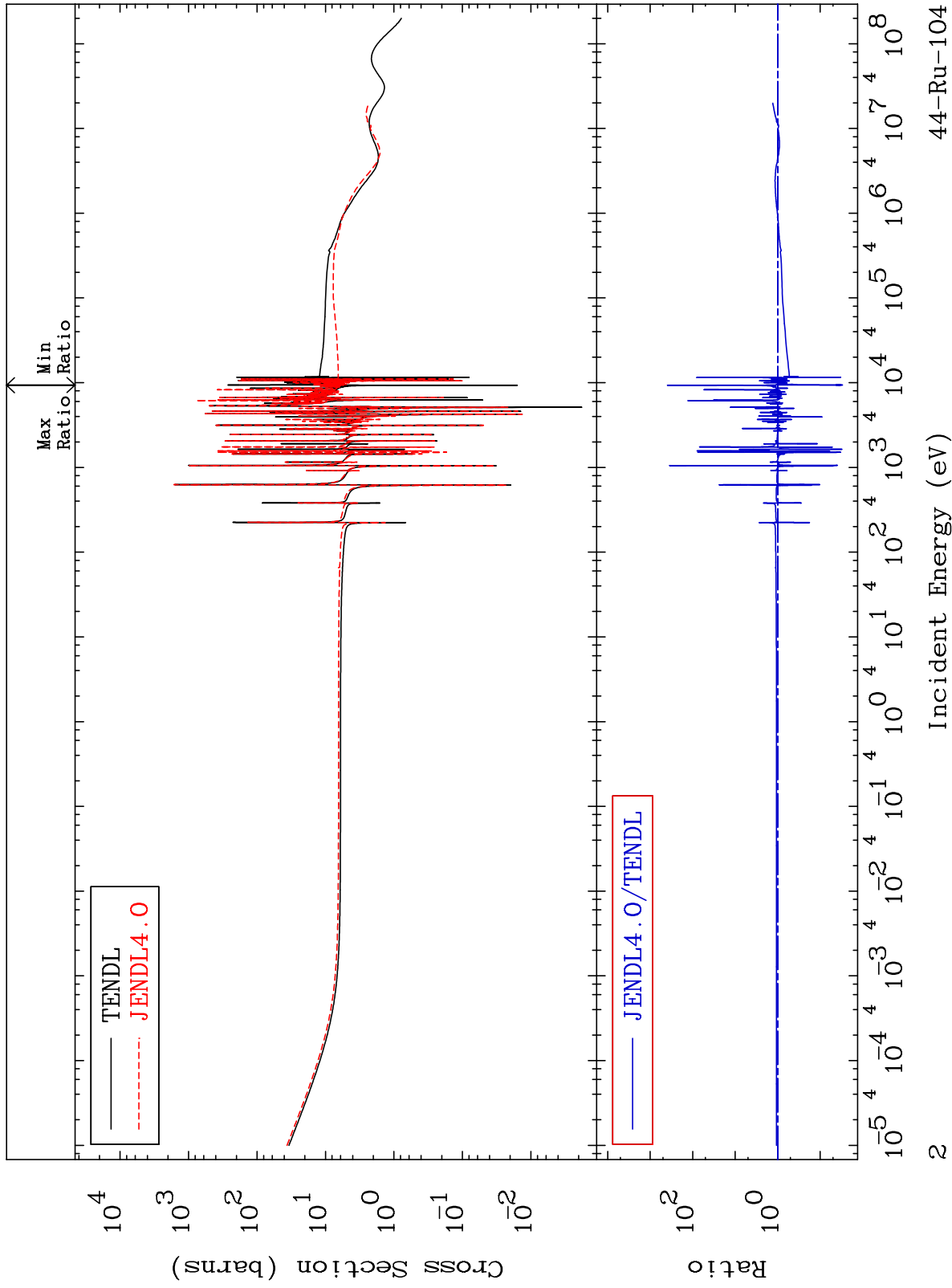
MAT 4449

Elastic

Cross Section

44-Ru-104

-97.05 To 9999. %

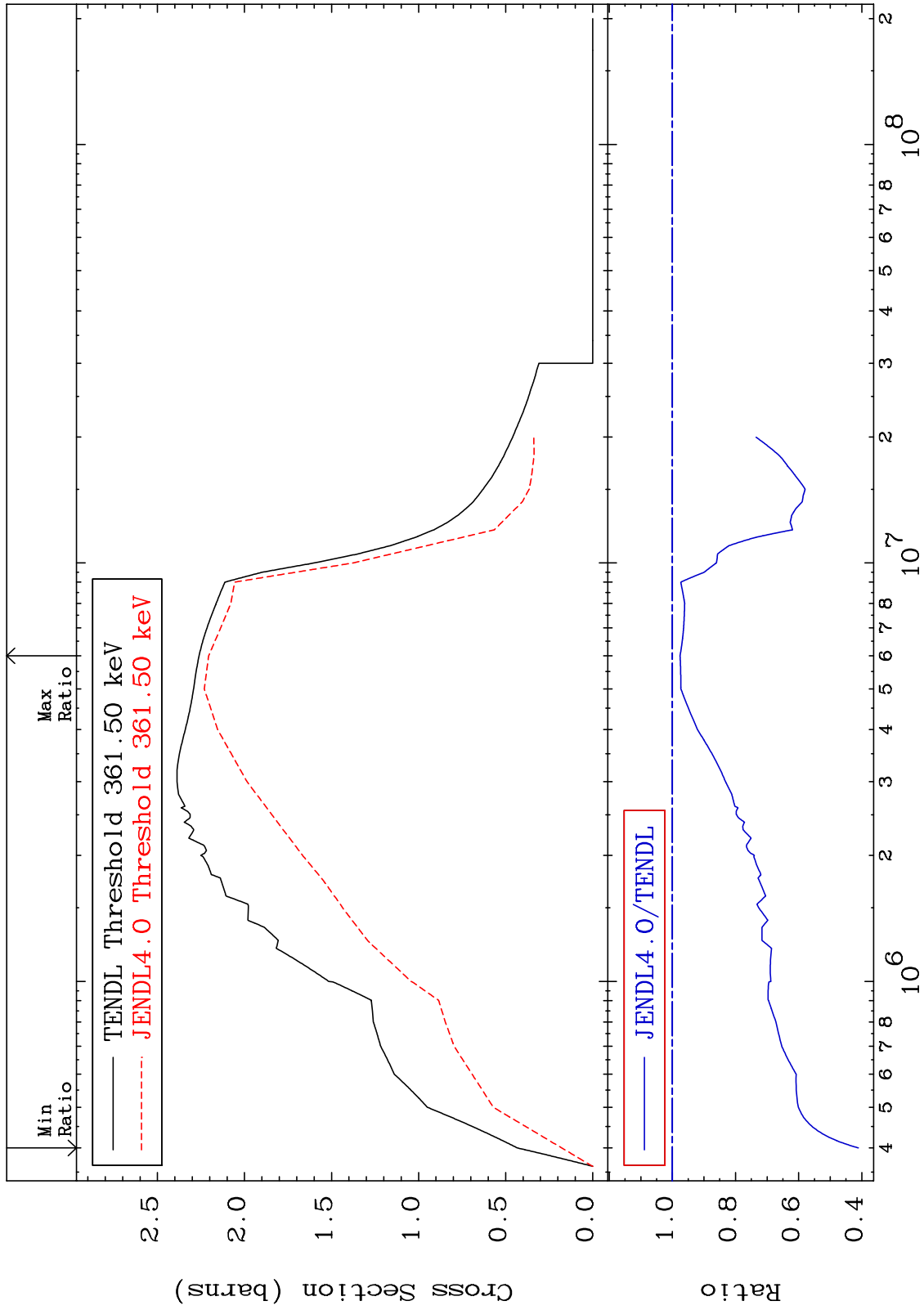


44-Ru-104

Incident Energy (eV)

2

MAT 4449 Inelastic Cross Section 44-Ru-104 -58.93 To -2.419%



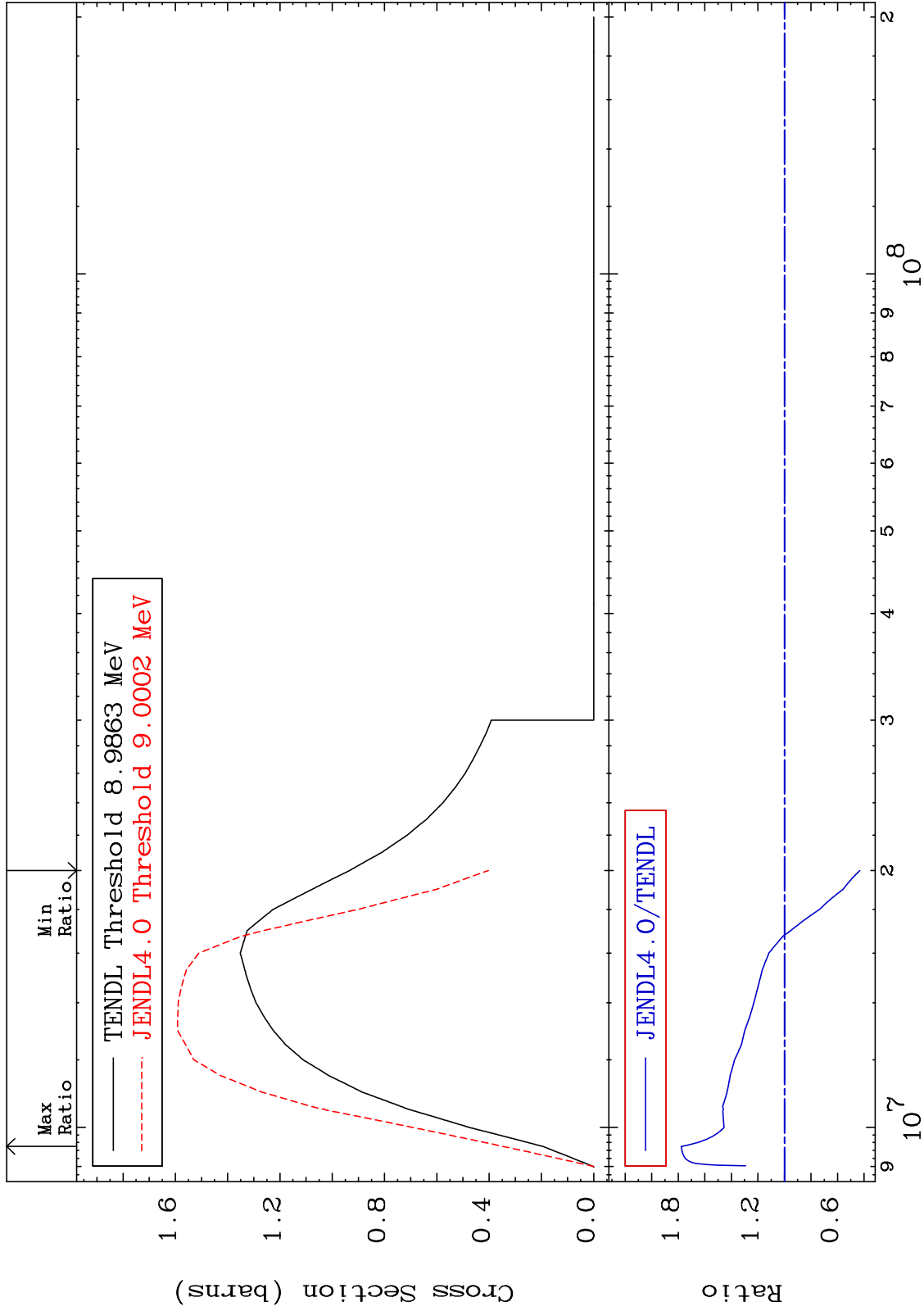
MAT 4449

(n,2n)

44-Ru-104

Cross Section

-56.87 To 77.77 %



44-Ru-104

Incident Energy (eV)

4

MAT 4449

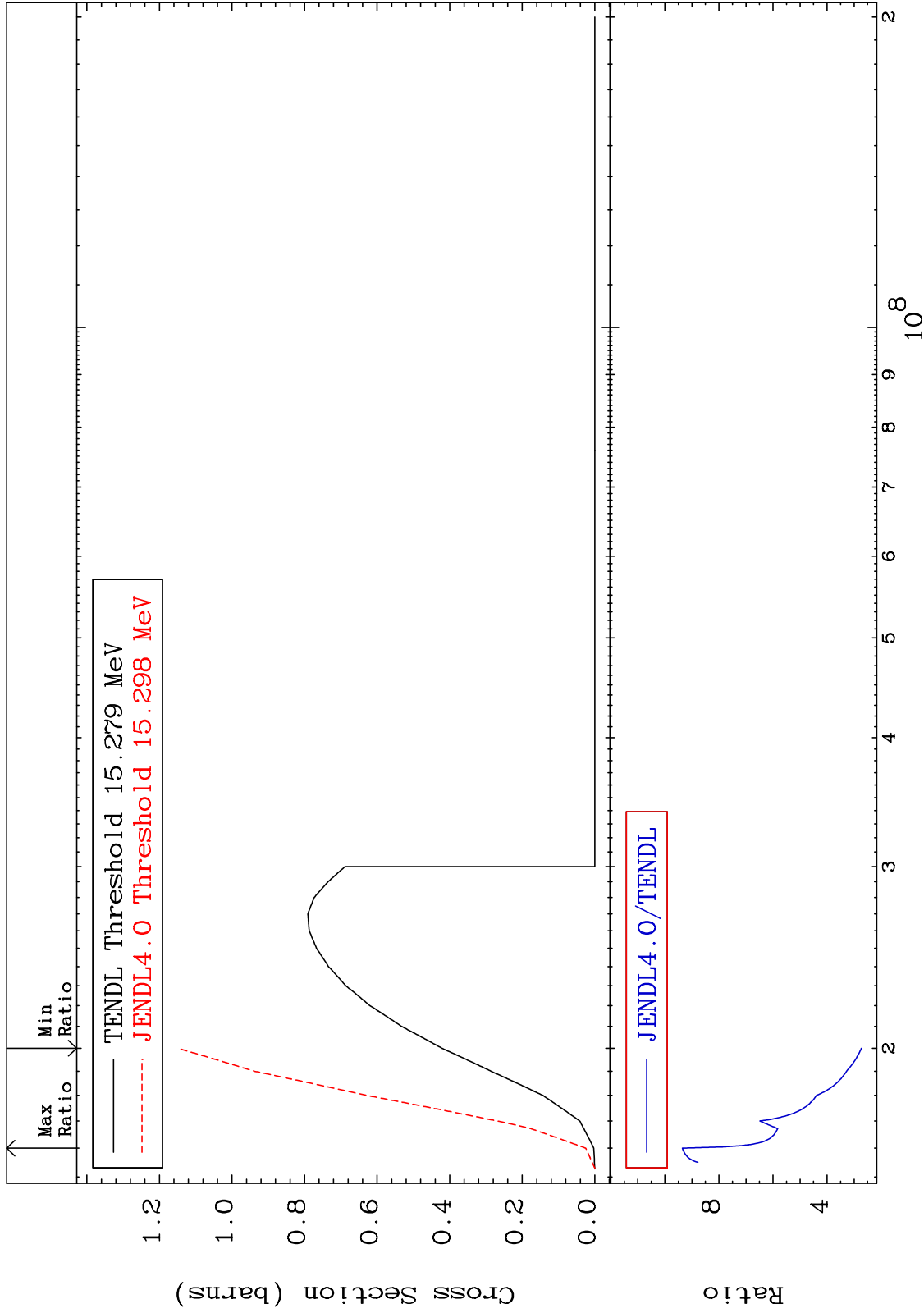
(n,3n)

44-Ru-104

Cross Section

172.8

To 835.0 %



44-Ru-104

Incident Energy (eV)

5

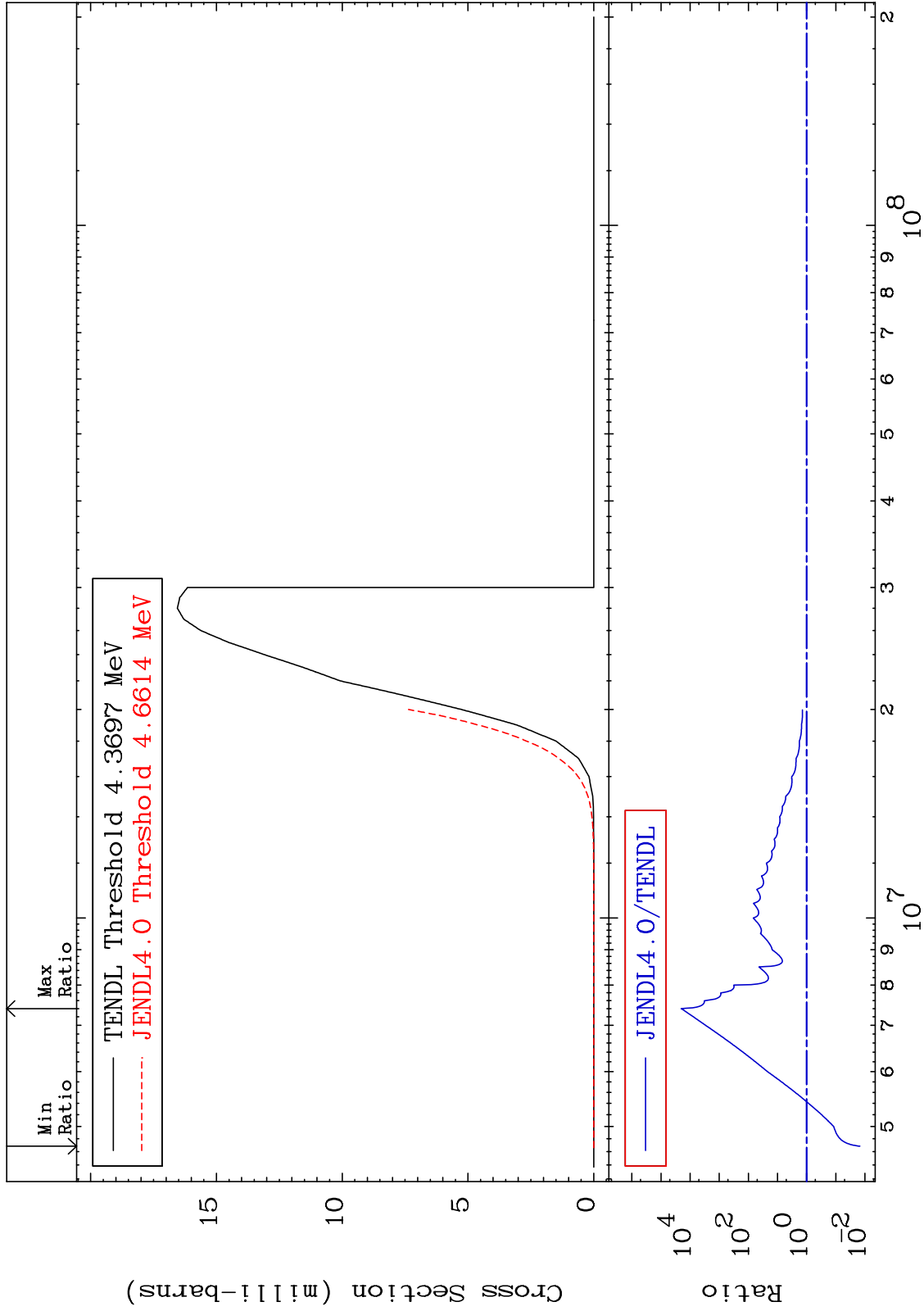
MAT 4449

(n,n') α

44-Ru-104

Cross Section

-98.52 To 9999. %



6

Incident Energy (eV)

44-Ru-104

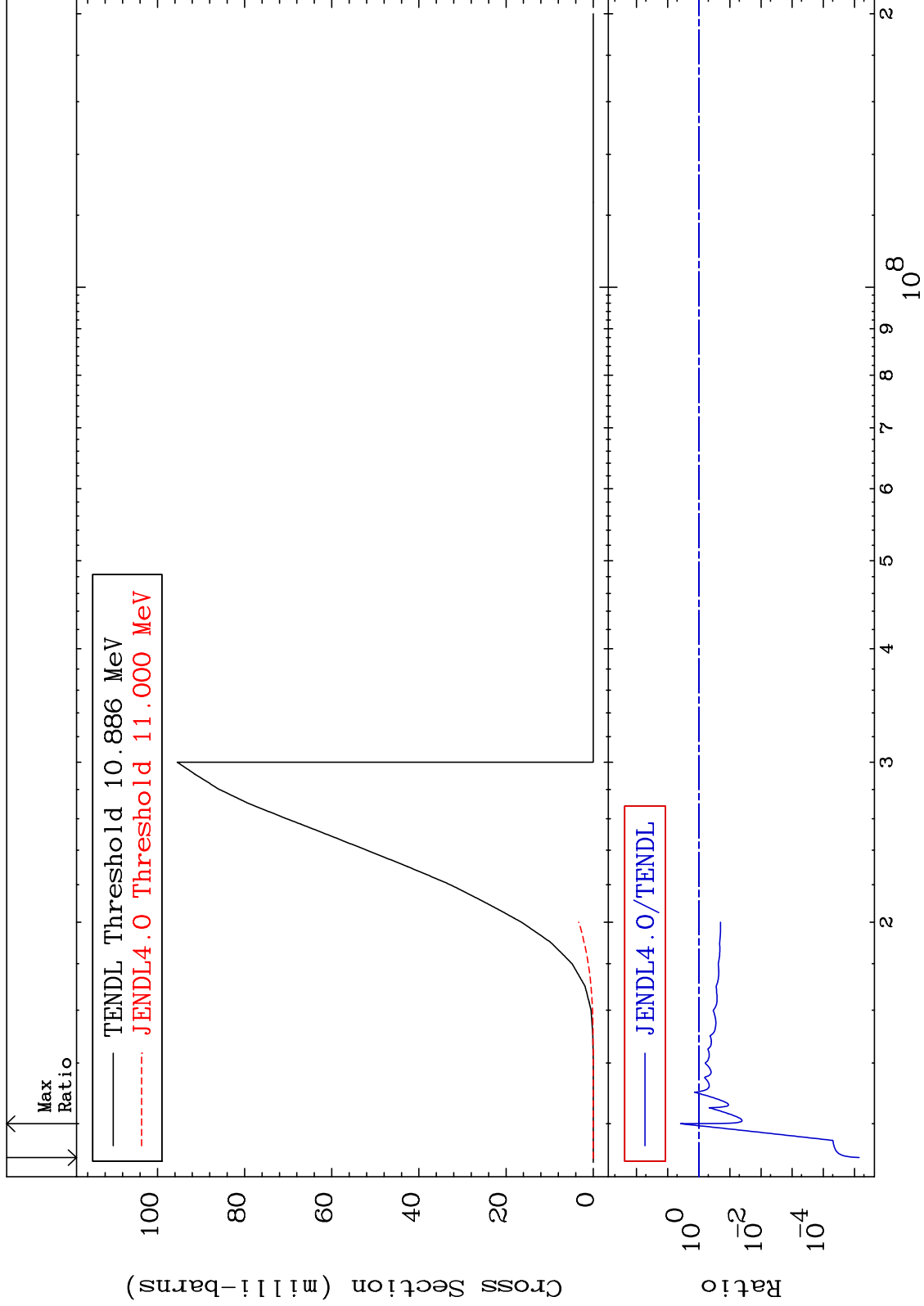
MAT 4449

(n,n') p

44-Ru-104

Cross Section

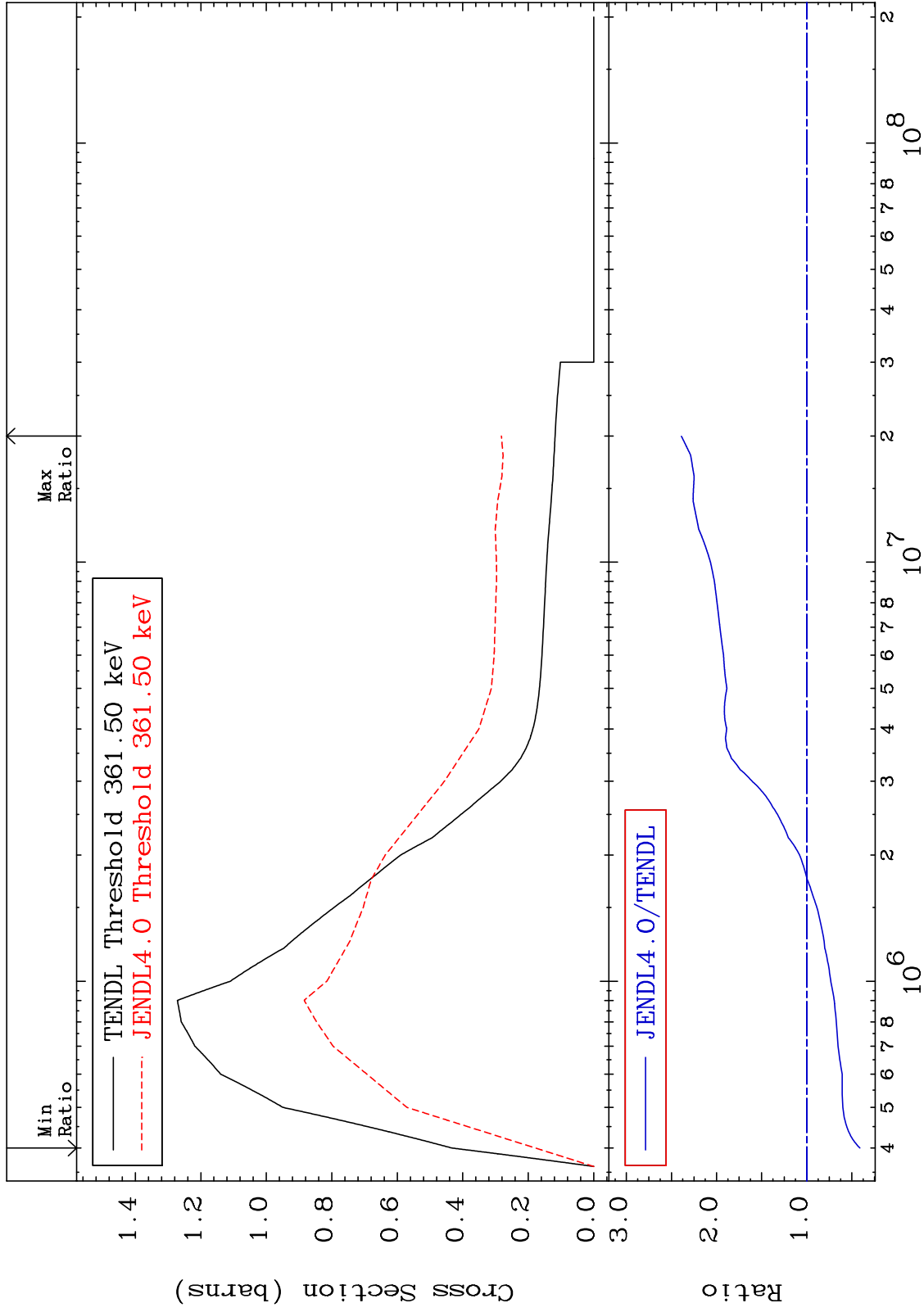
-100.0 To 284.0 %



MAT 4449

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

44-Ru-104
-58.93 To 139.2 %

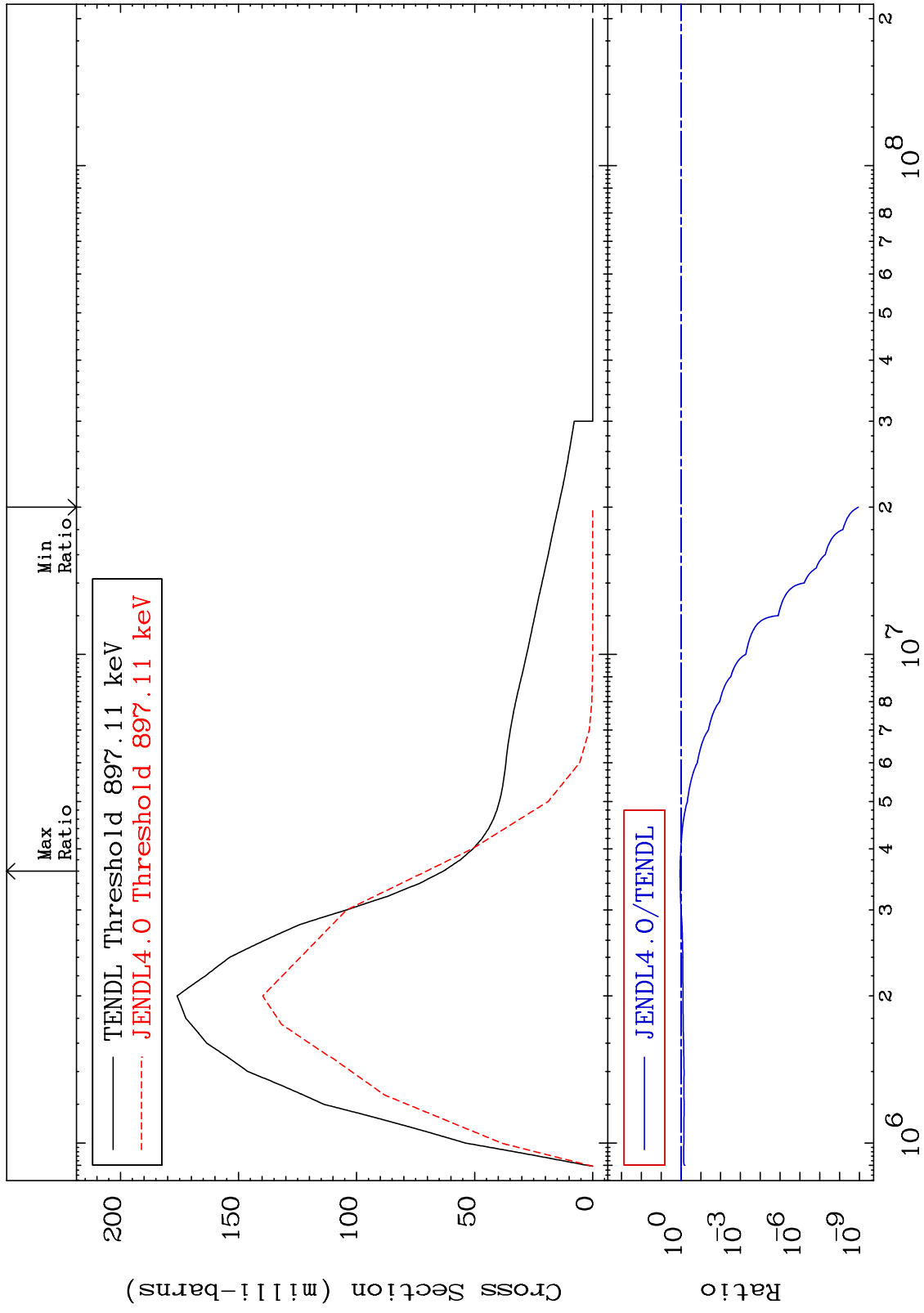


8

Incident Energy (eV)

44-Ru-104

MAT 4449 MT= 52 (n, n') Level 44-Ru-104
 Cross Section -100.0 To 11.45 %

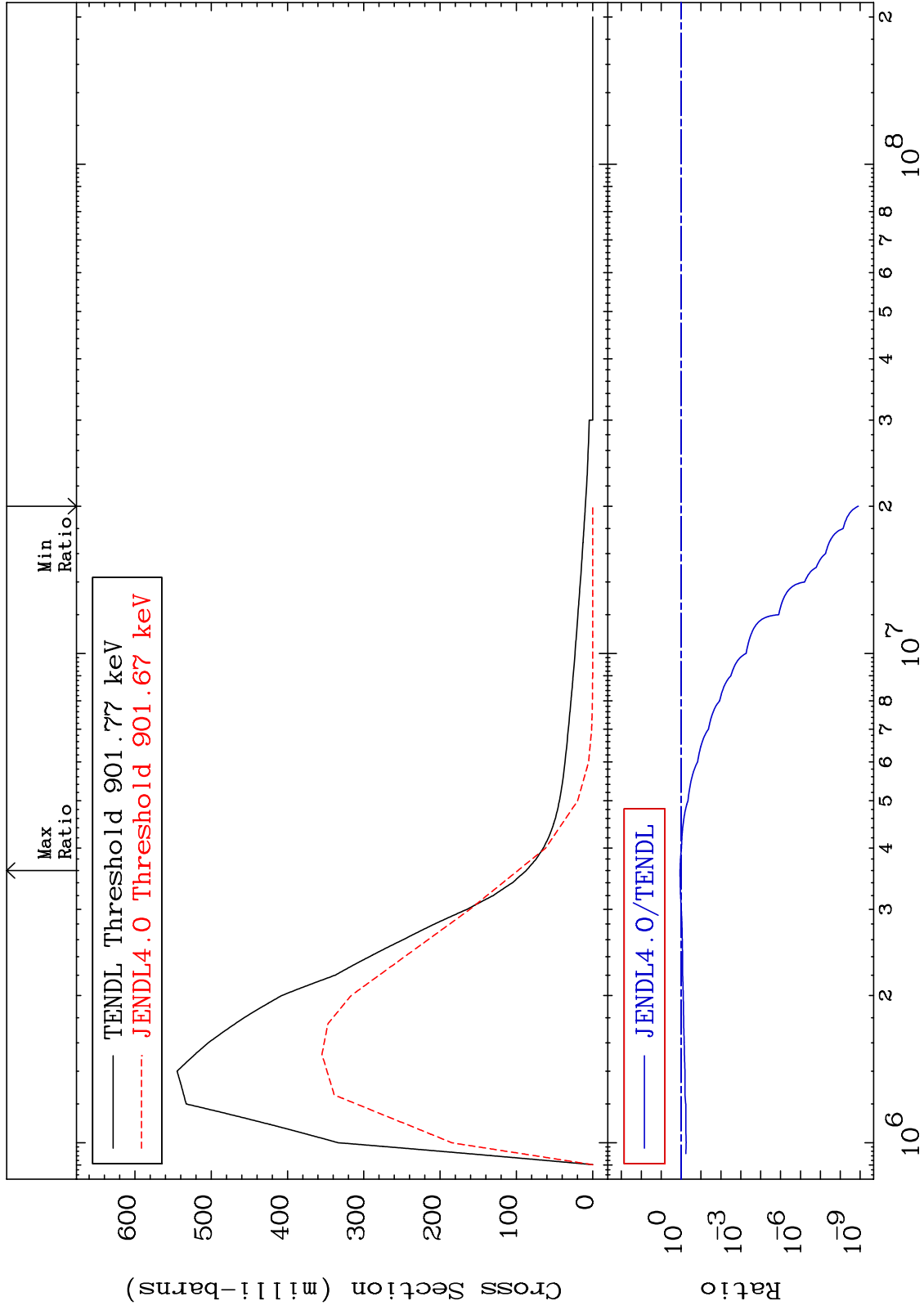


9 Incident Energy (eV) 44-Ru-104

MAT 4449

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

44-Ru-104
-100.0 To 12.64 %



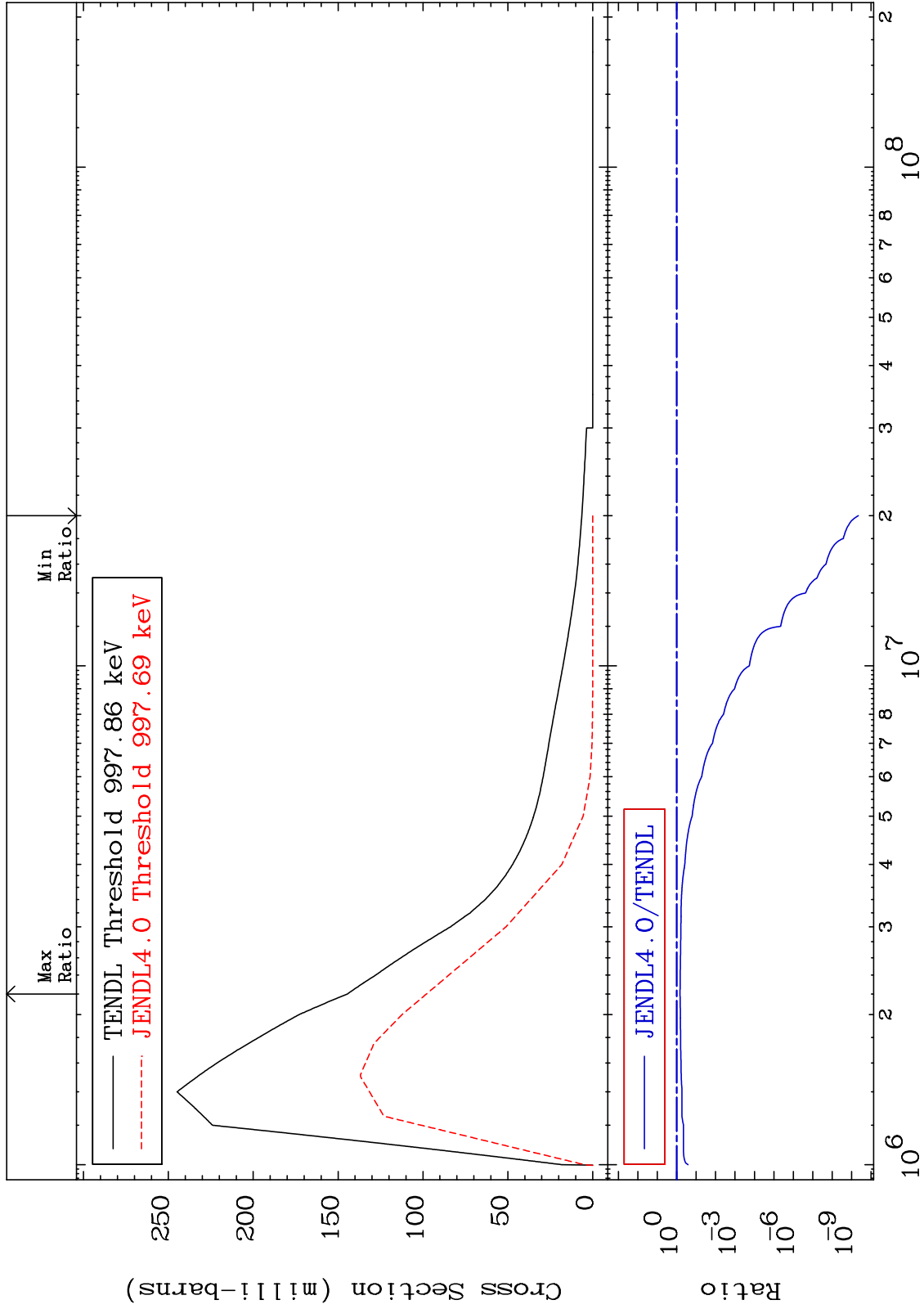
Incident Energy (eV)

44-Ru-104

MAT 4449

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

44-Ru-104
-100.0 To -32.24%



11

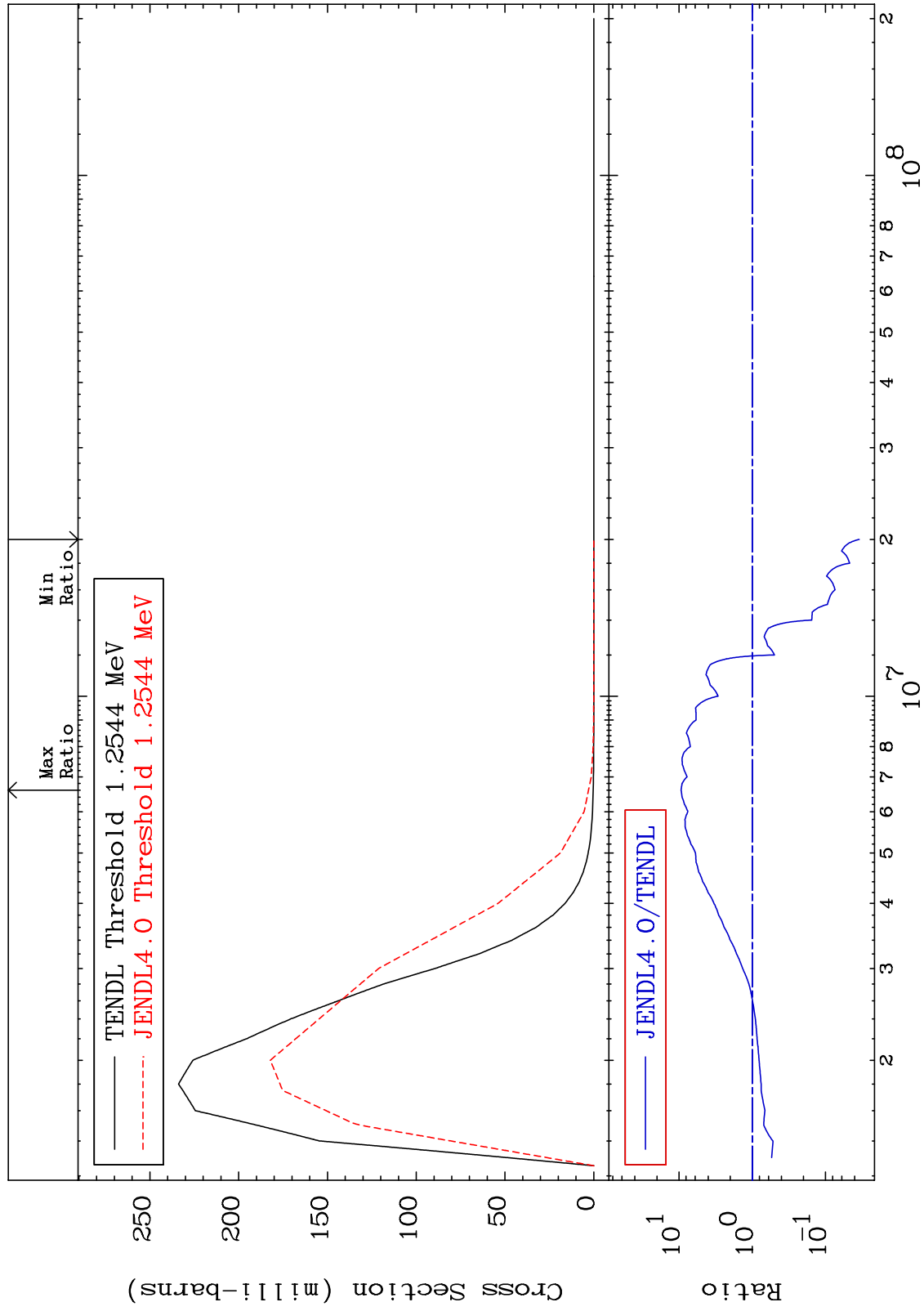
Incident Energy (eV)

44-Ru-104

MAT 4449

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

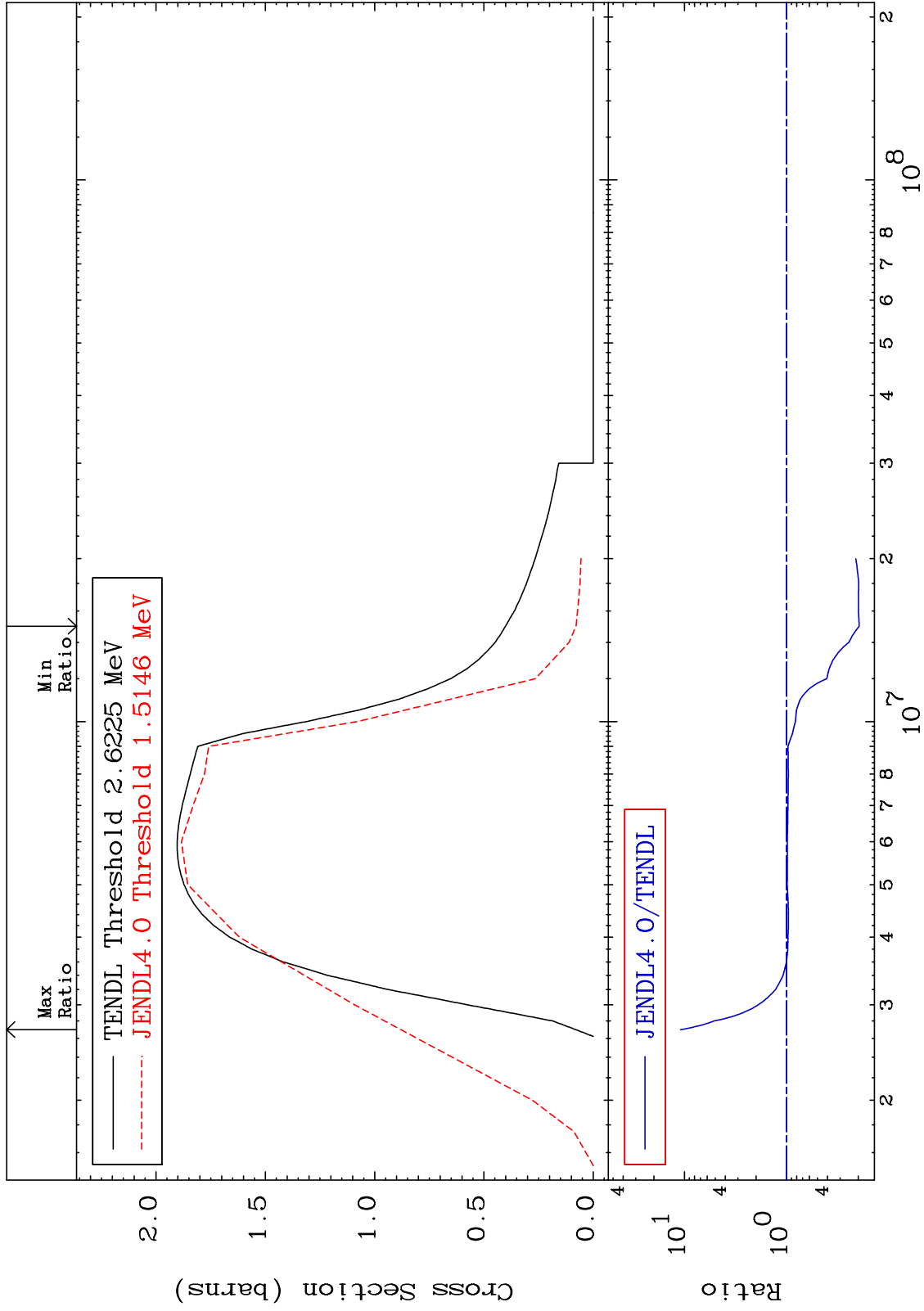
44-Ru-104
-96.54 To 836.5 %



MAT 4449

(n, n') Continuum
Cross Section

44-Ru-104
-80.46 To 993.2 %



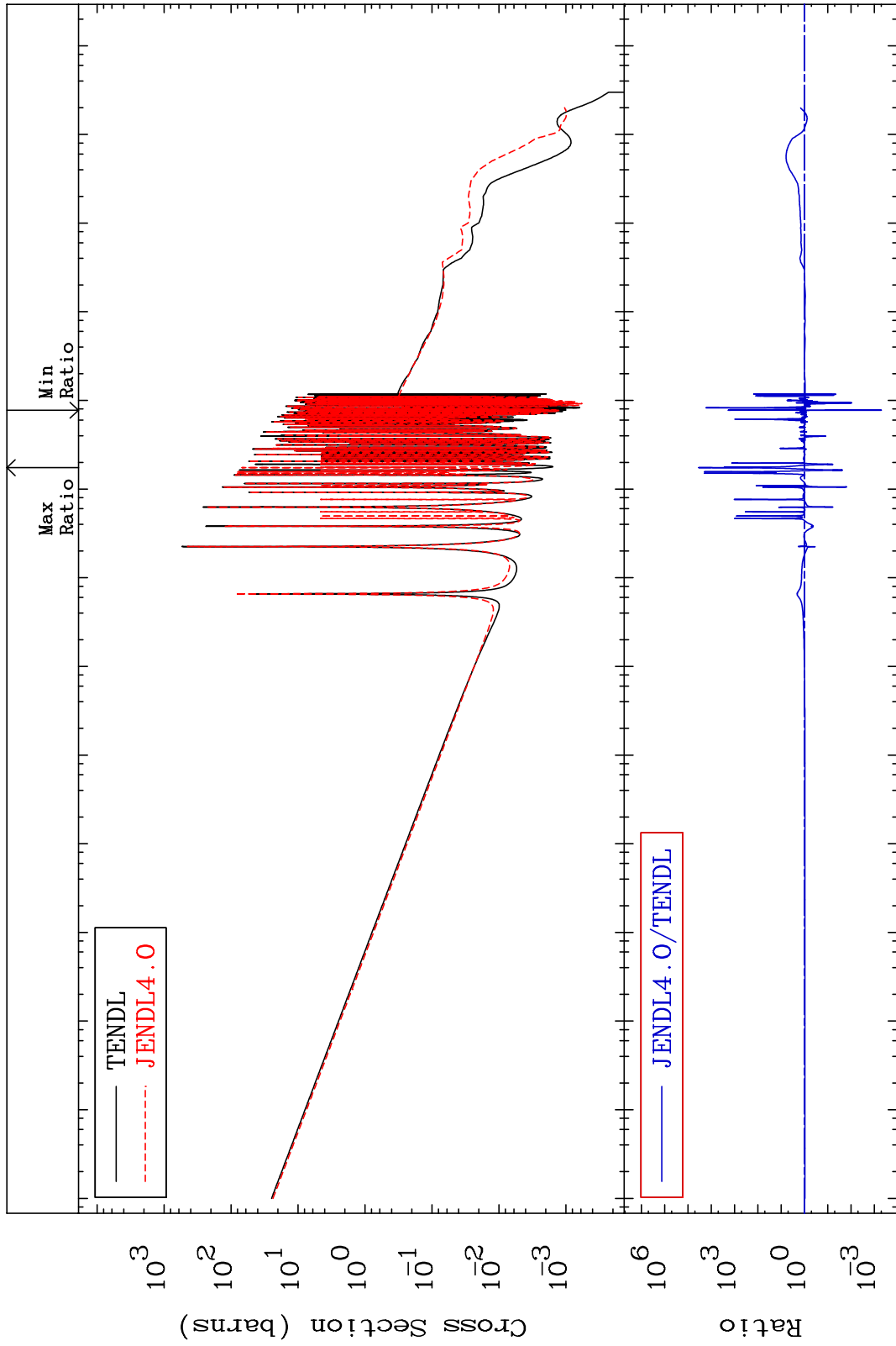
MAT 4449

(n, γ)

44-Ru-104

Cross Section

-99.95 To 9999. %



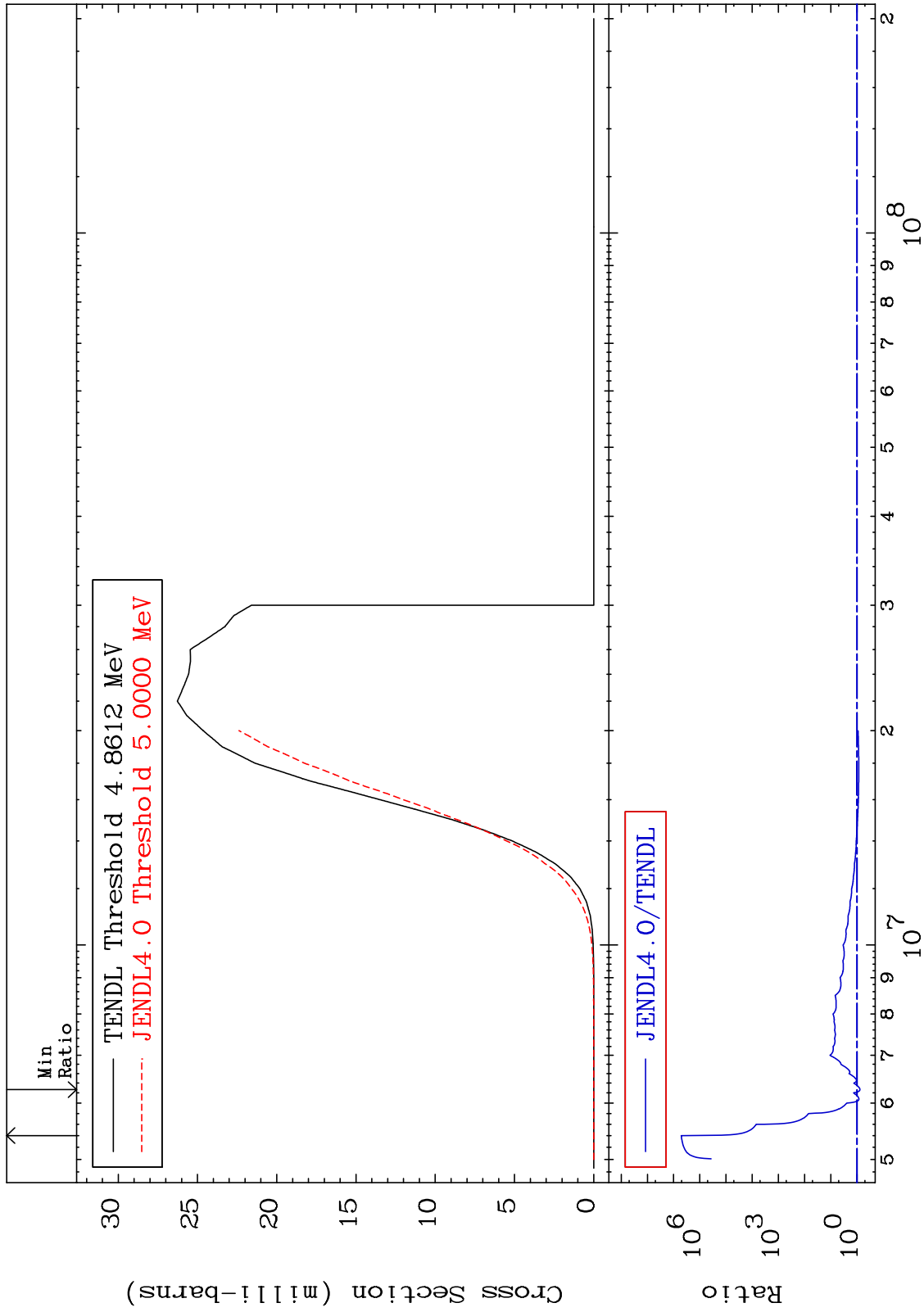
MAT 4449

(n,p)

44-Ru-104

Cross Section

-22.67 To 9999. %



15

Incident Energy (eV)

44-Ru-104

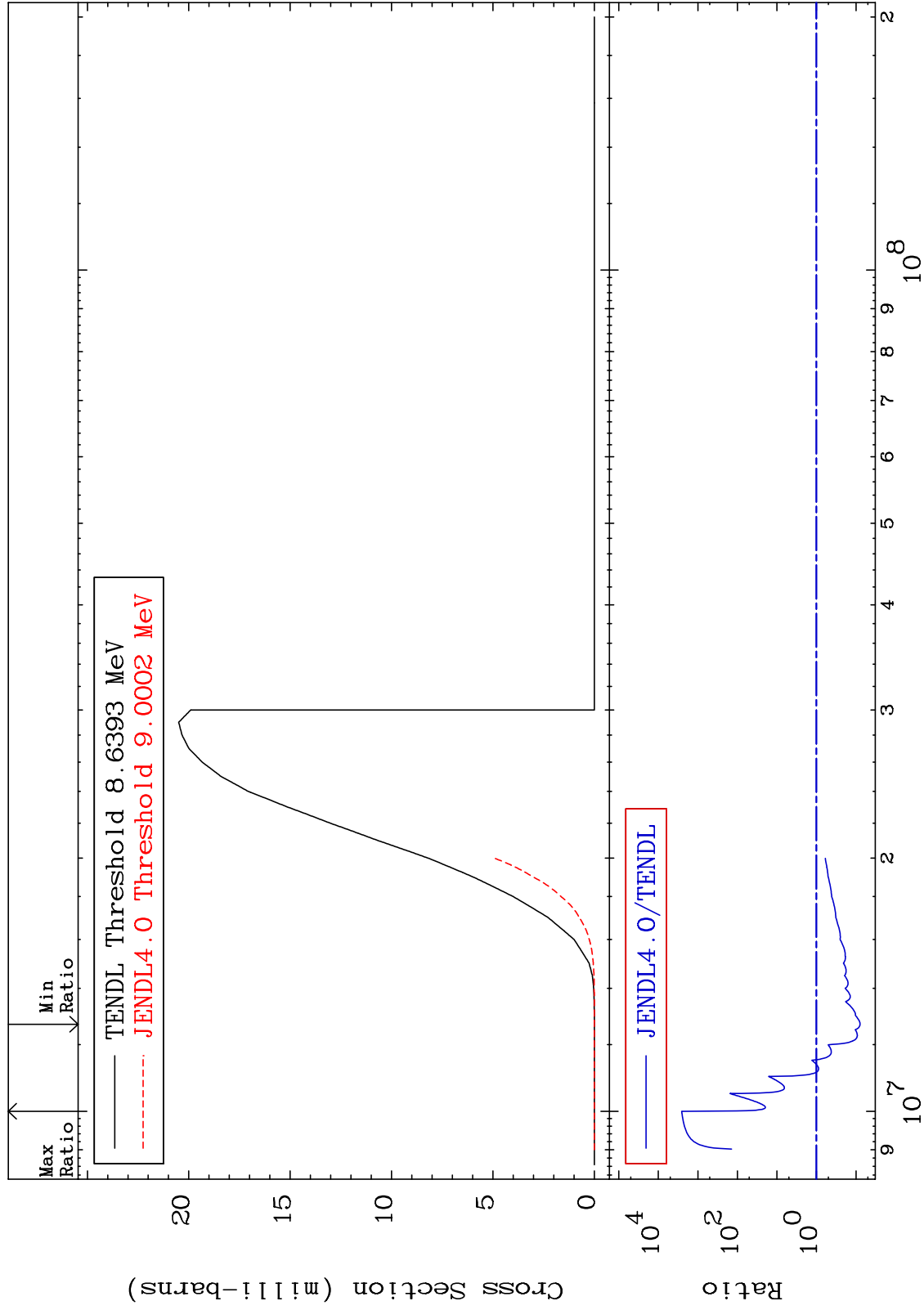
MAT 4449

(n,d)

44-Ru-104

Cross Section

-92.09 To 9999. %



16

Incident Energy (eV)

44-Ru-104

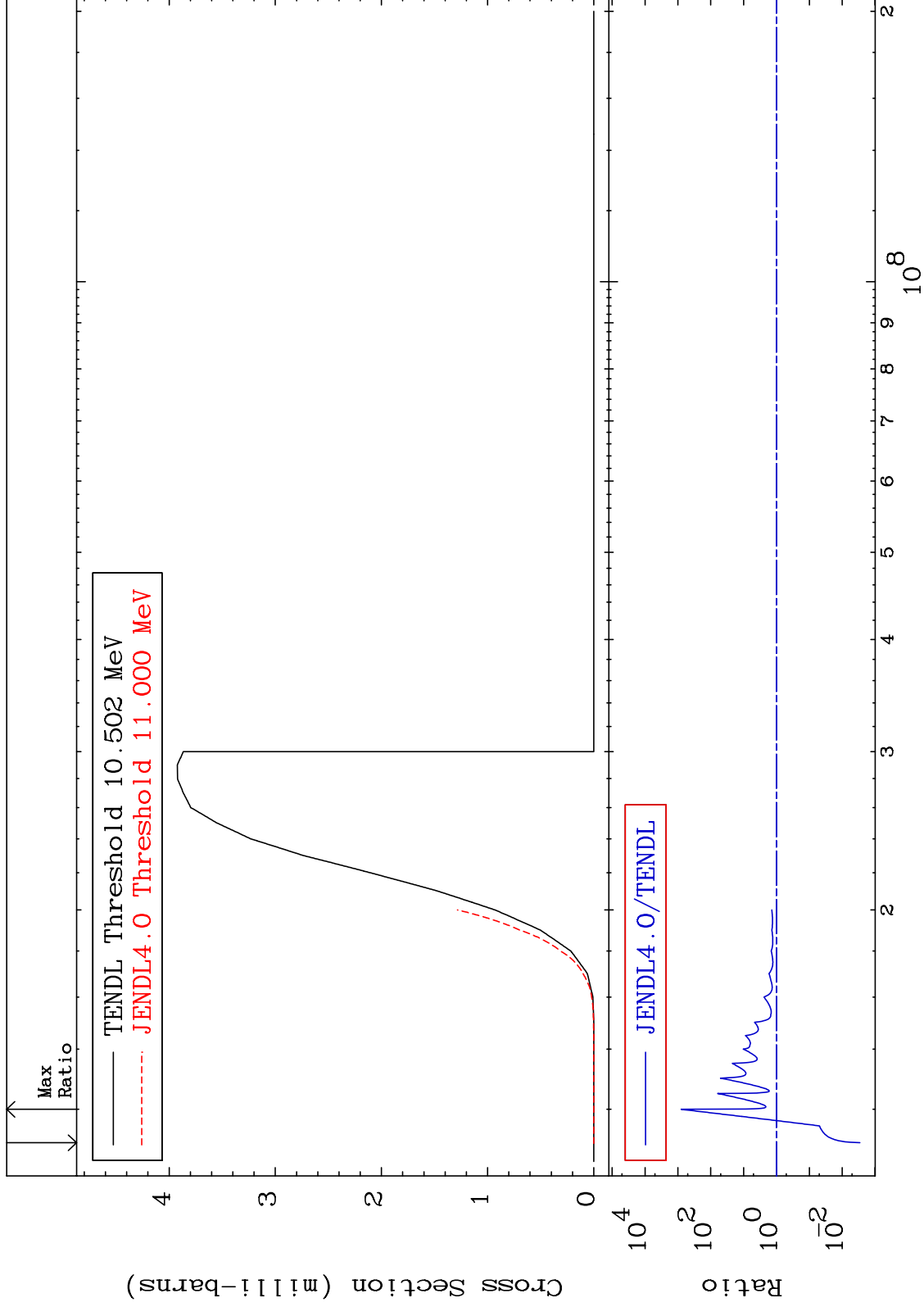
MAT 4449

(n, t)

44-Ru-104

Cross Section

-99.71 To 9999. %



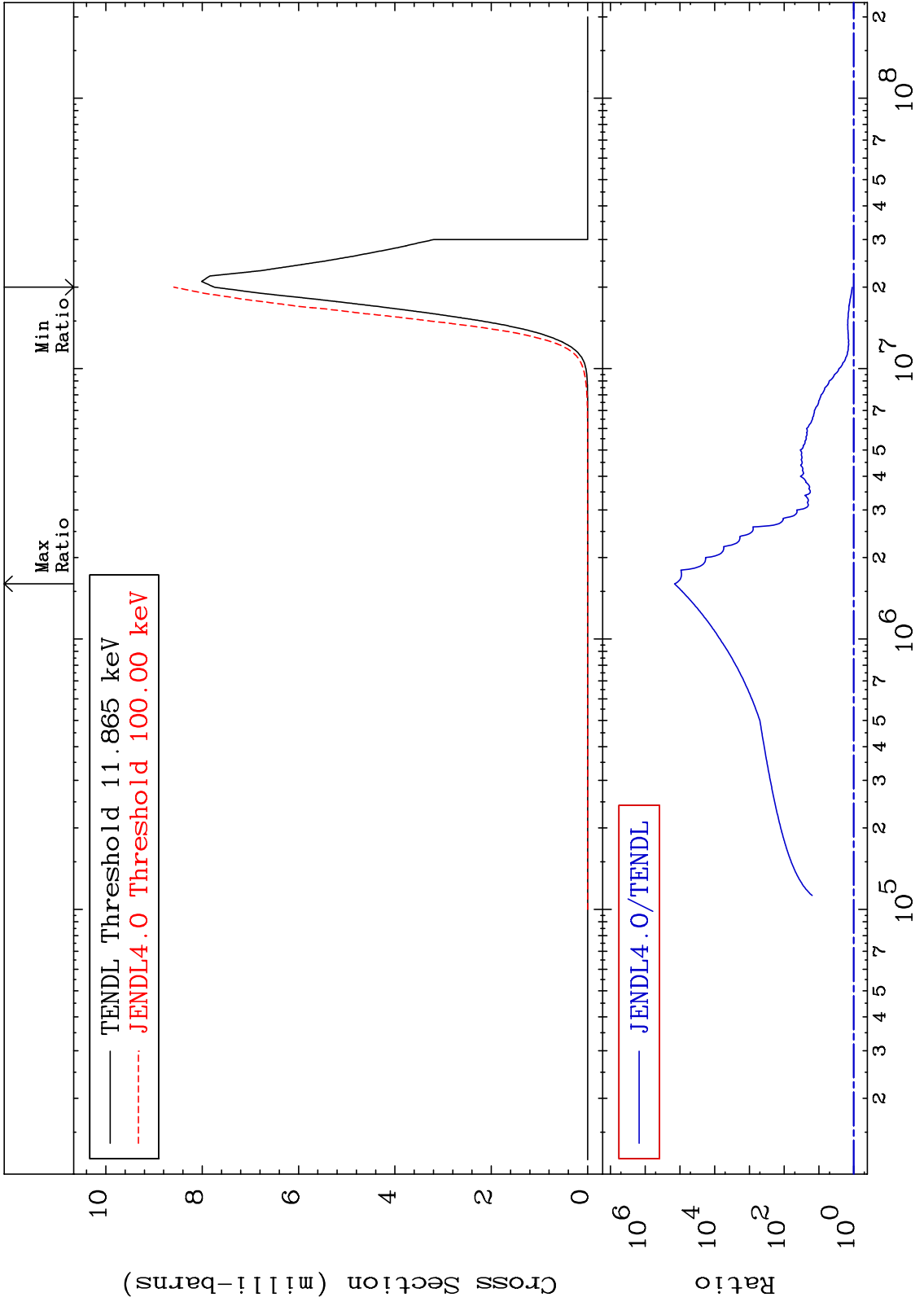
MAT 4449

44-Ru-104

10.84 To 9999. %

(n, α)

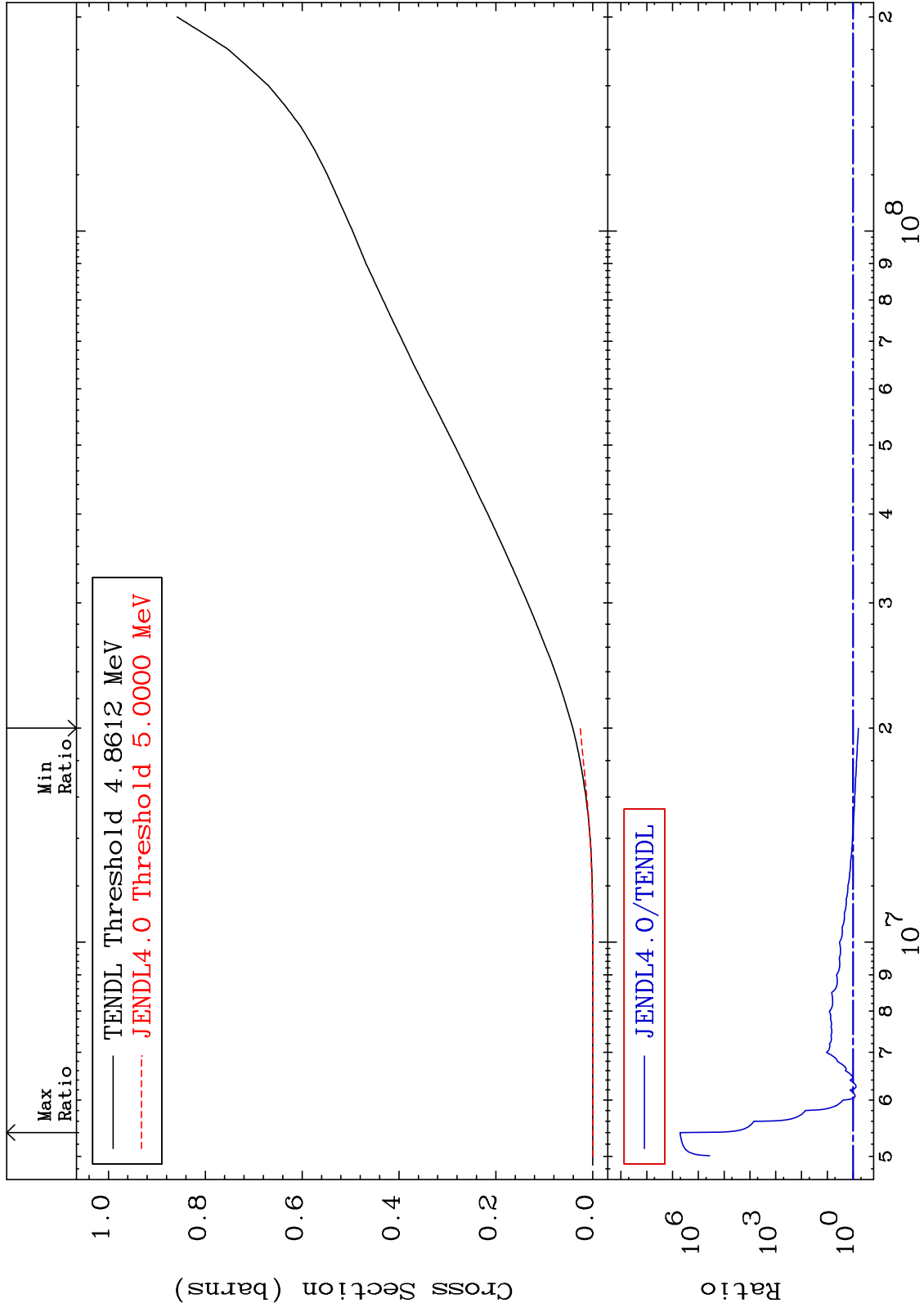
Cross Section



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Hydrogen Production
Cross Section

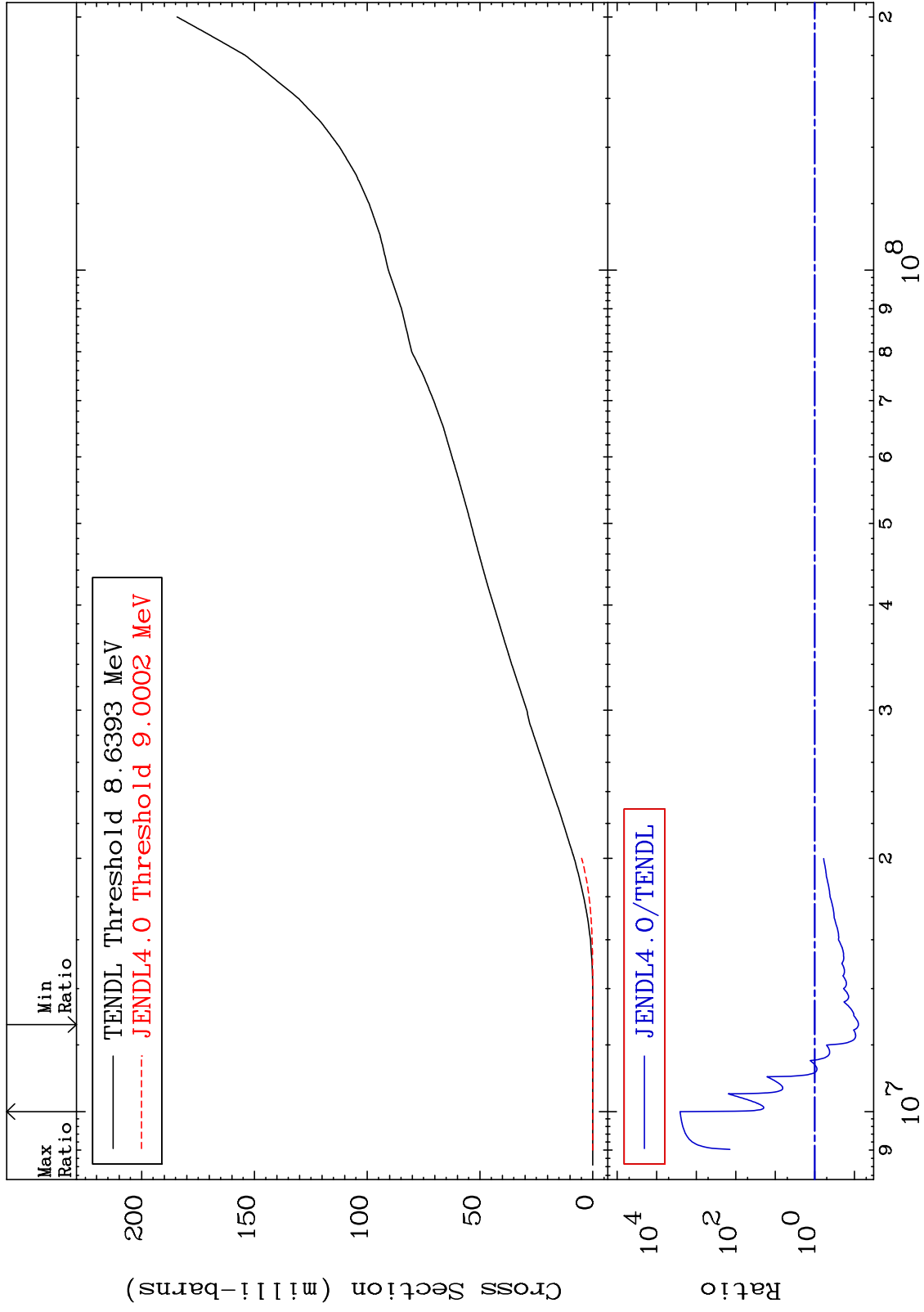
44-Ru-104
-37.44 To 9999. %



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Deuterium Production
Cross Section

44-Ru-104
-92.09 To 9999. %



20

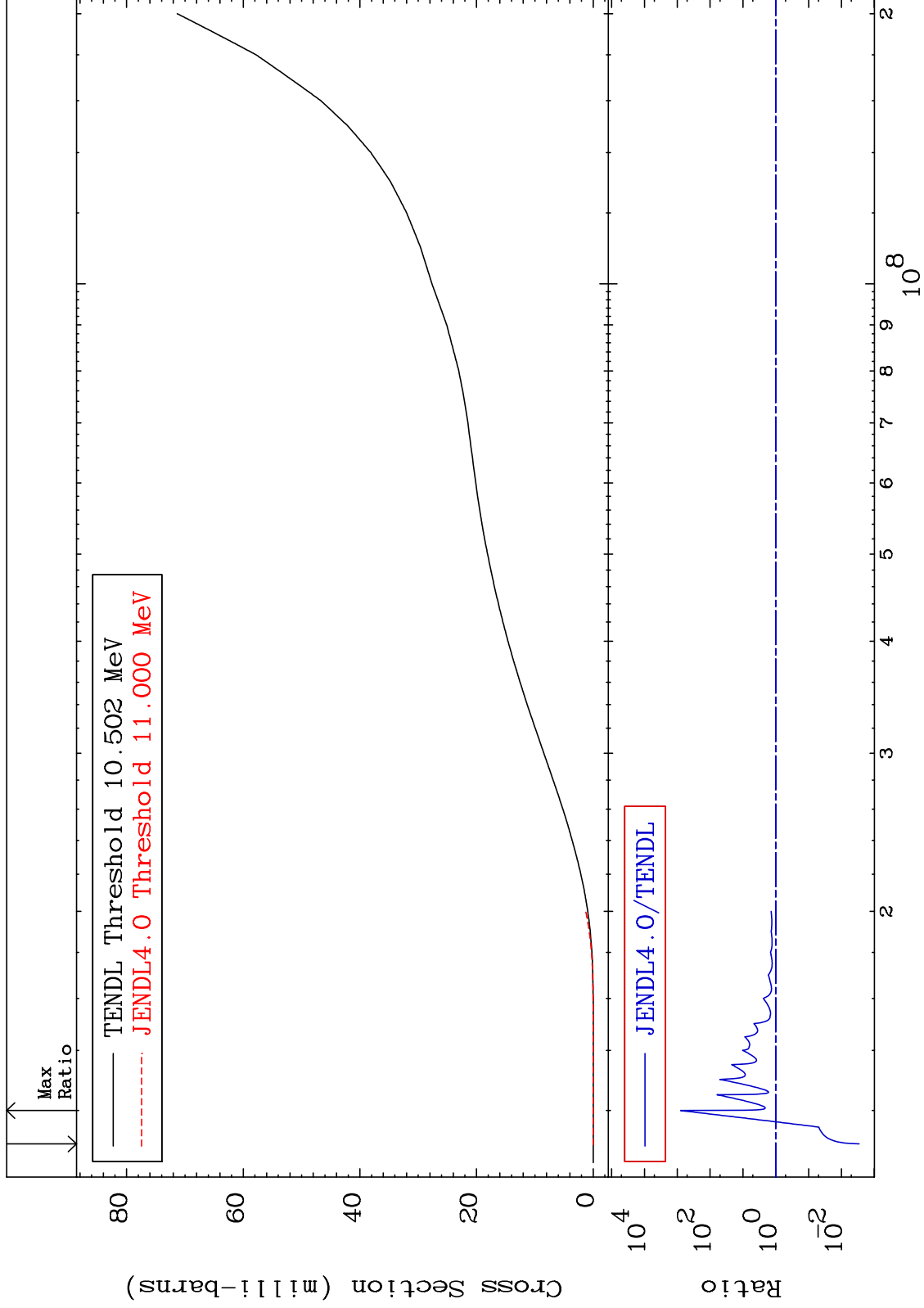
Incident Energy (eV)

44-Ru-104

MAT 4449

Tritium Production
Cross Section

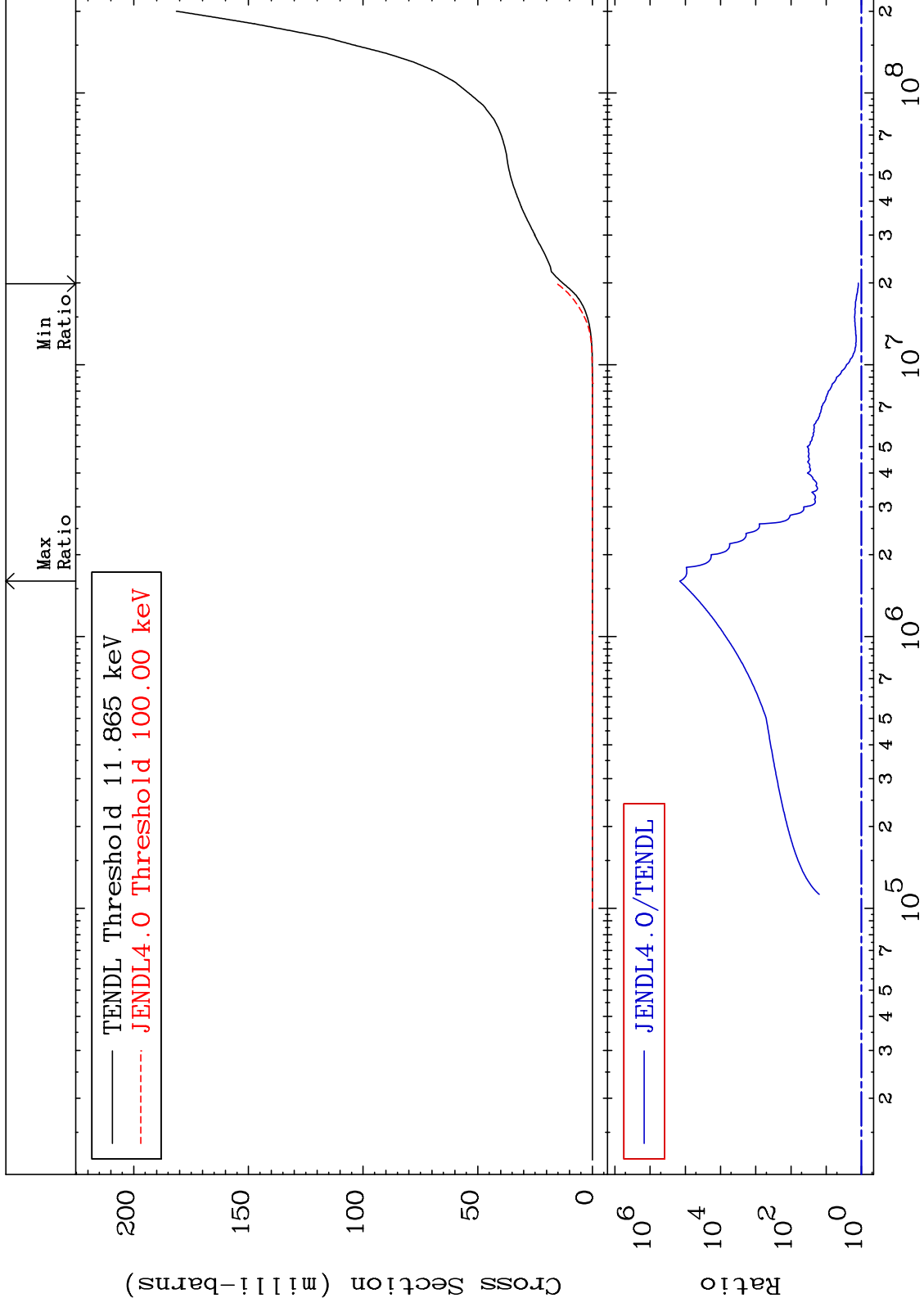
44-Ru-104
-99.71 To 9999. %



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He-4 Production
Cross Section

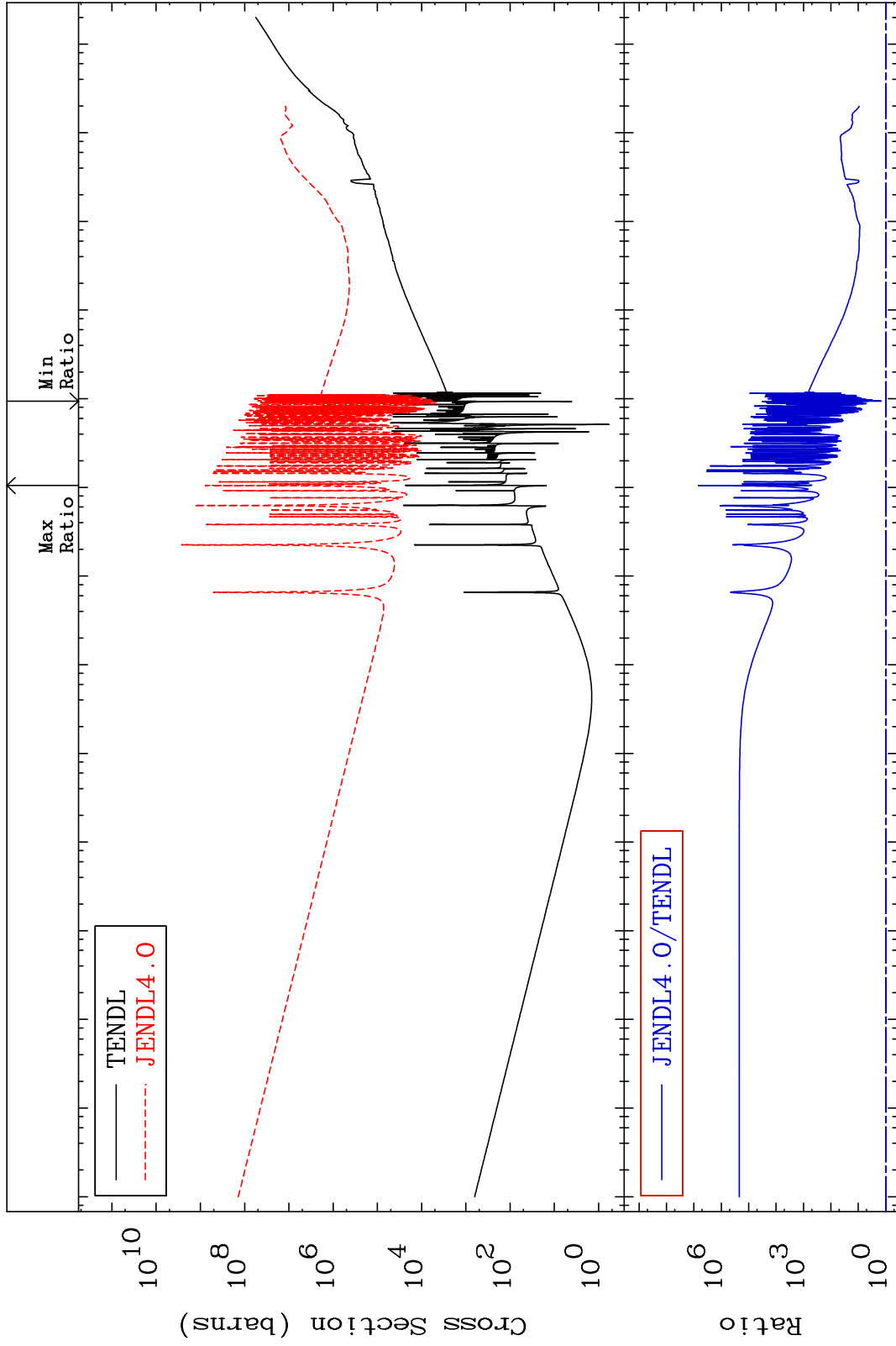
44-Ru-104
22.59 To 9999. %



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Kerma total (eV-barns)
Cross Section

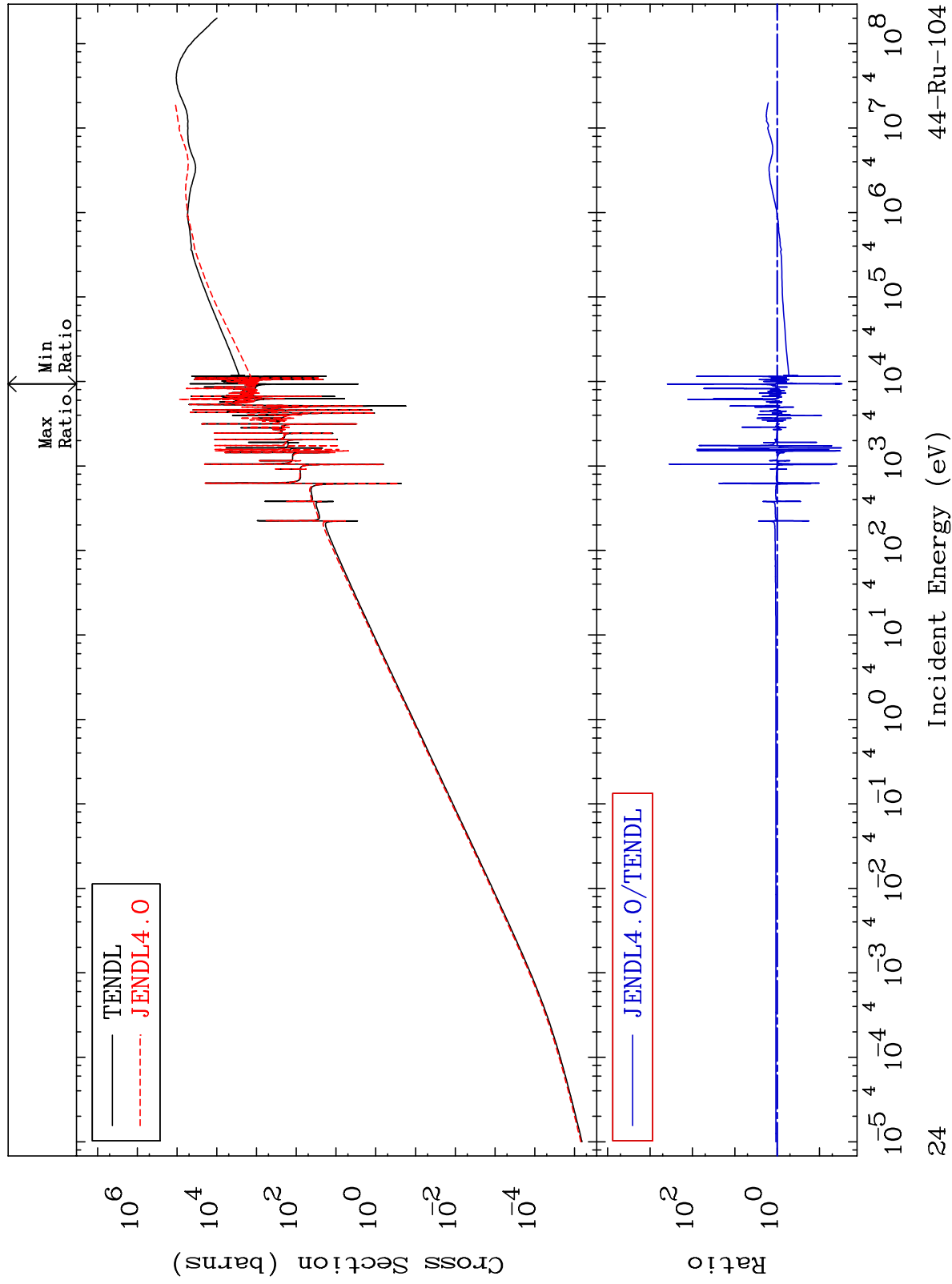
44-Ru-104
41.79 To 9999. %



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Kerma elastic
Cross Section

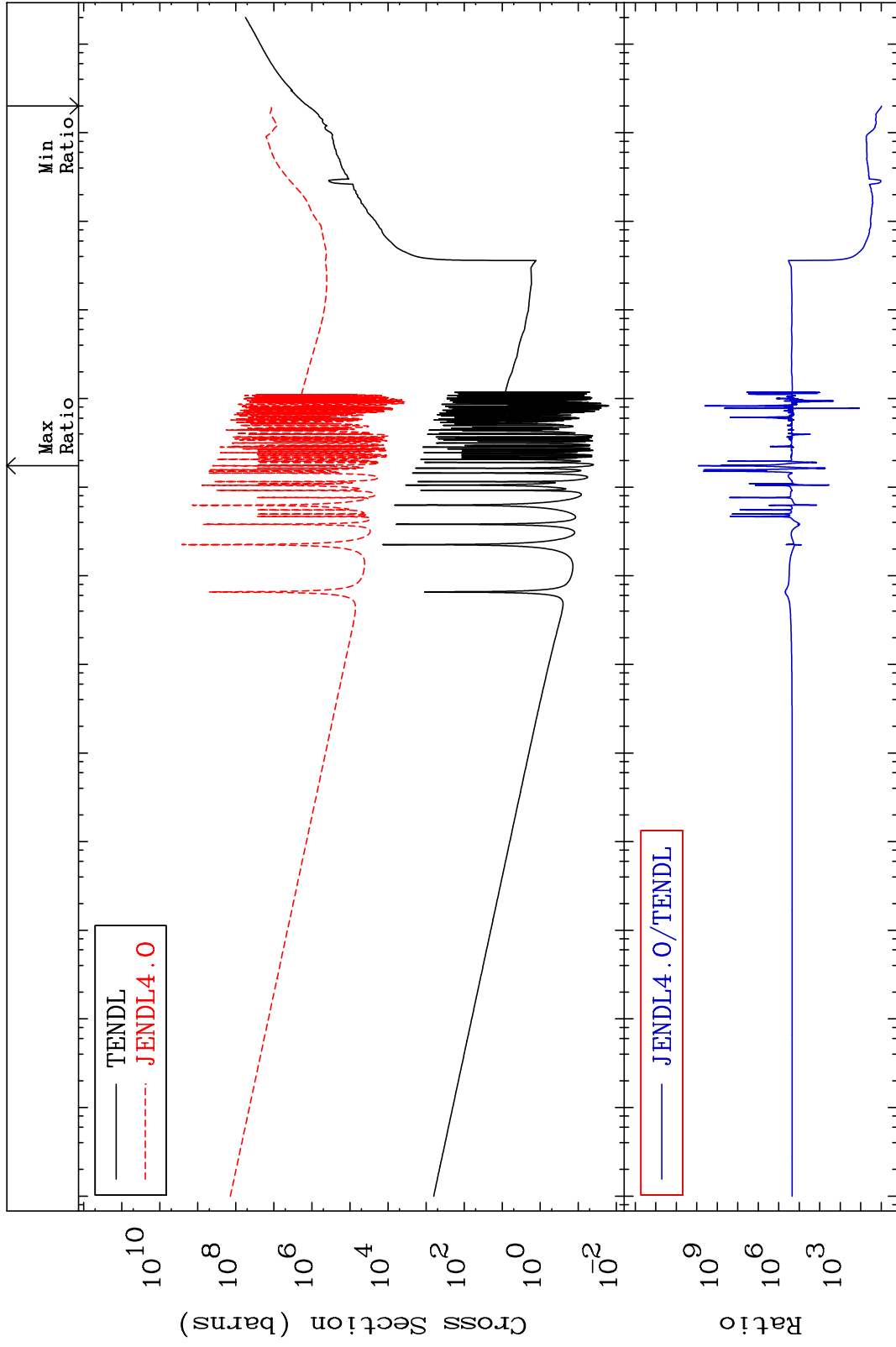
44-Ru-104
-97.07 To 9999. %



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Kerma non-elastic (all but mt2)
Cross Section

44-Ru-104
859.9 To 9999. %



Ratio

10¹⁰
10⁸
10⁶
10⁴
10²
10⁰
10⁻²

10⁹
10⁶
10³

10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

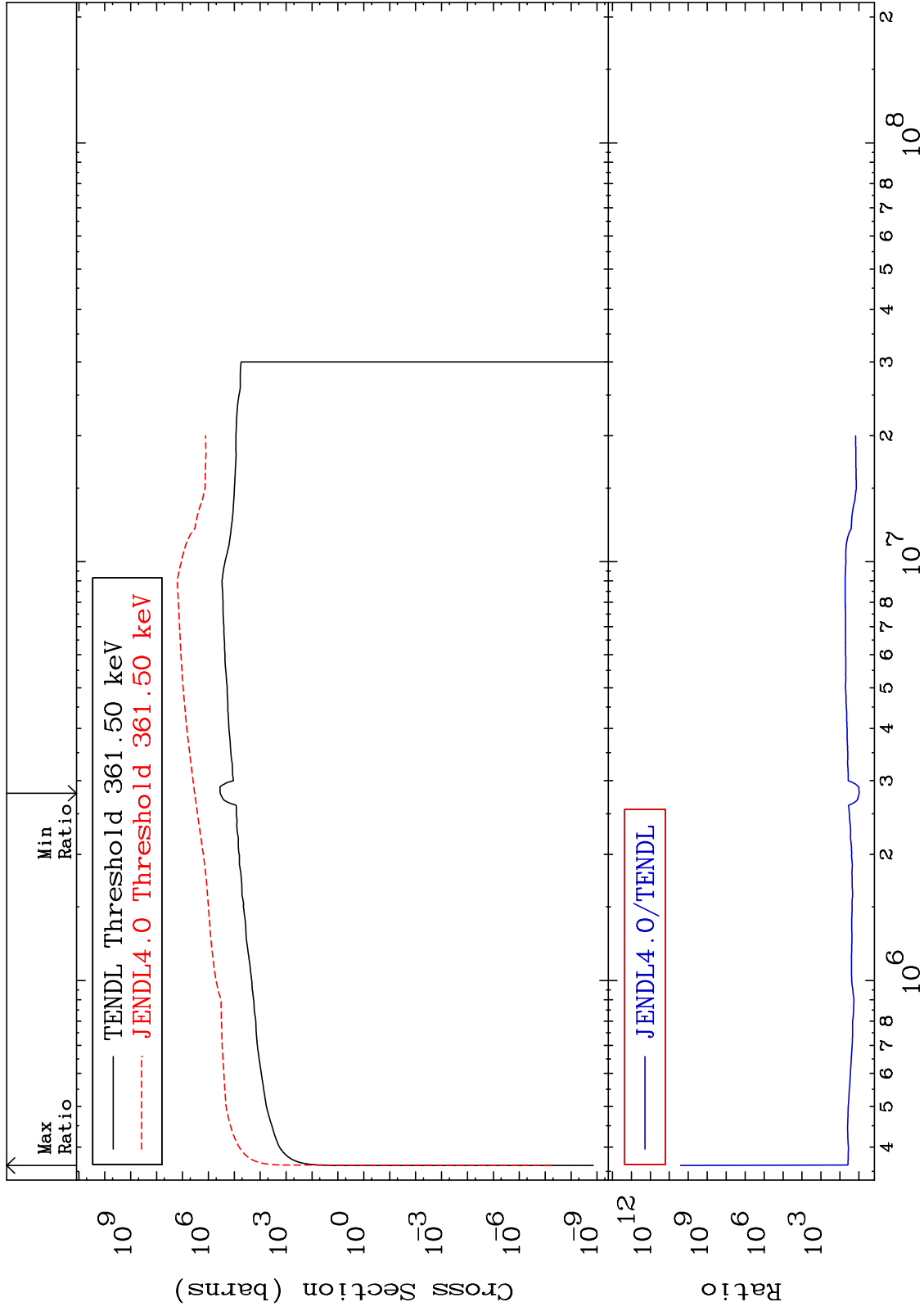
Incident Energy (eV)

44-Ru-104

MAT 4449

Kerma inelastic (mt51-91)
Cross Section

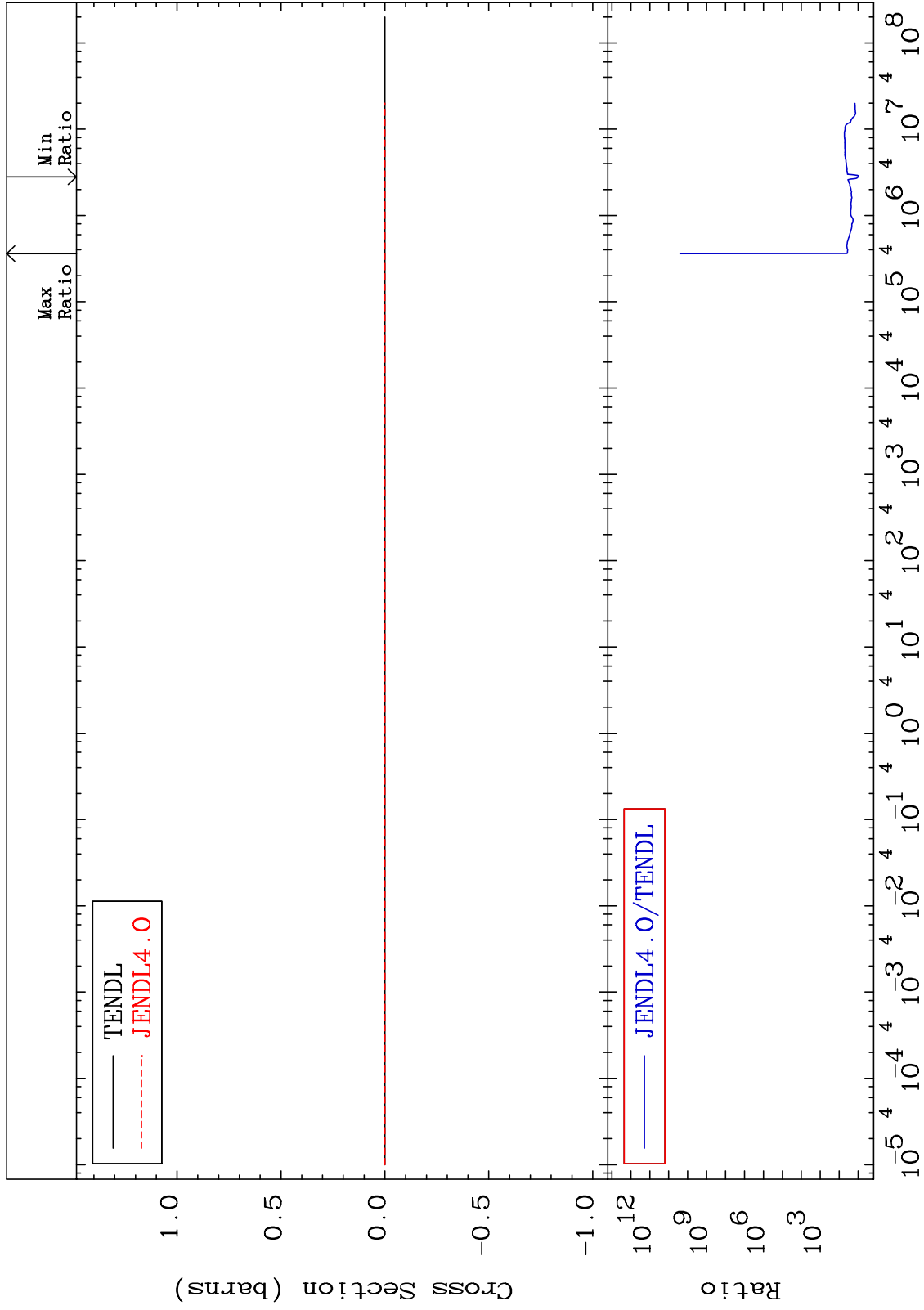
44-Ru-104
864.9 To 9999. %



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

44-Ru-104
864.9 To 9999. %



27

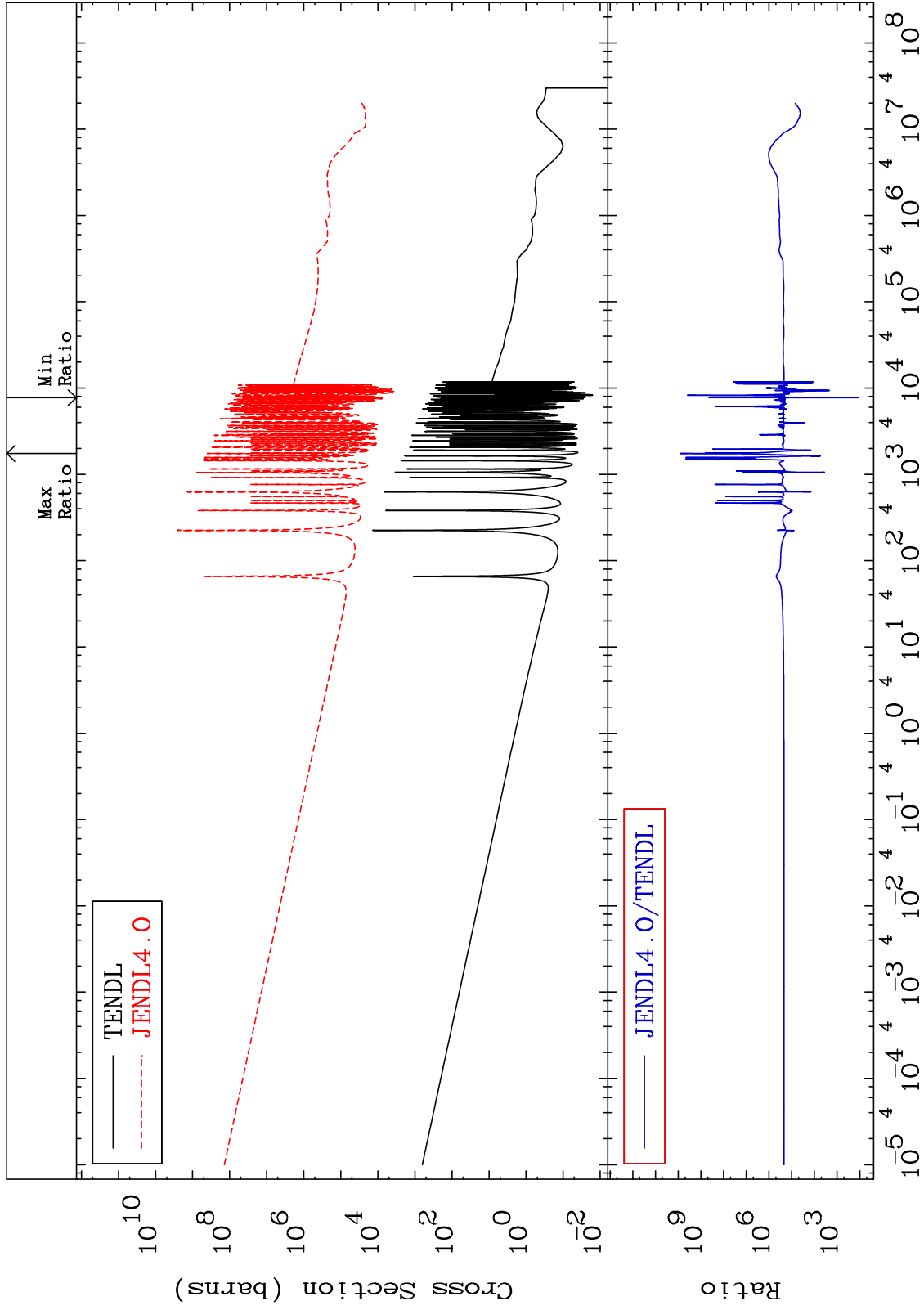
Incident Energy (eV)

44-Ru-104

MAT 4449

Kerma capture (mt102)
Cross Section

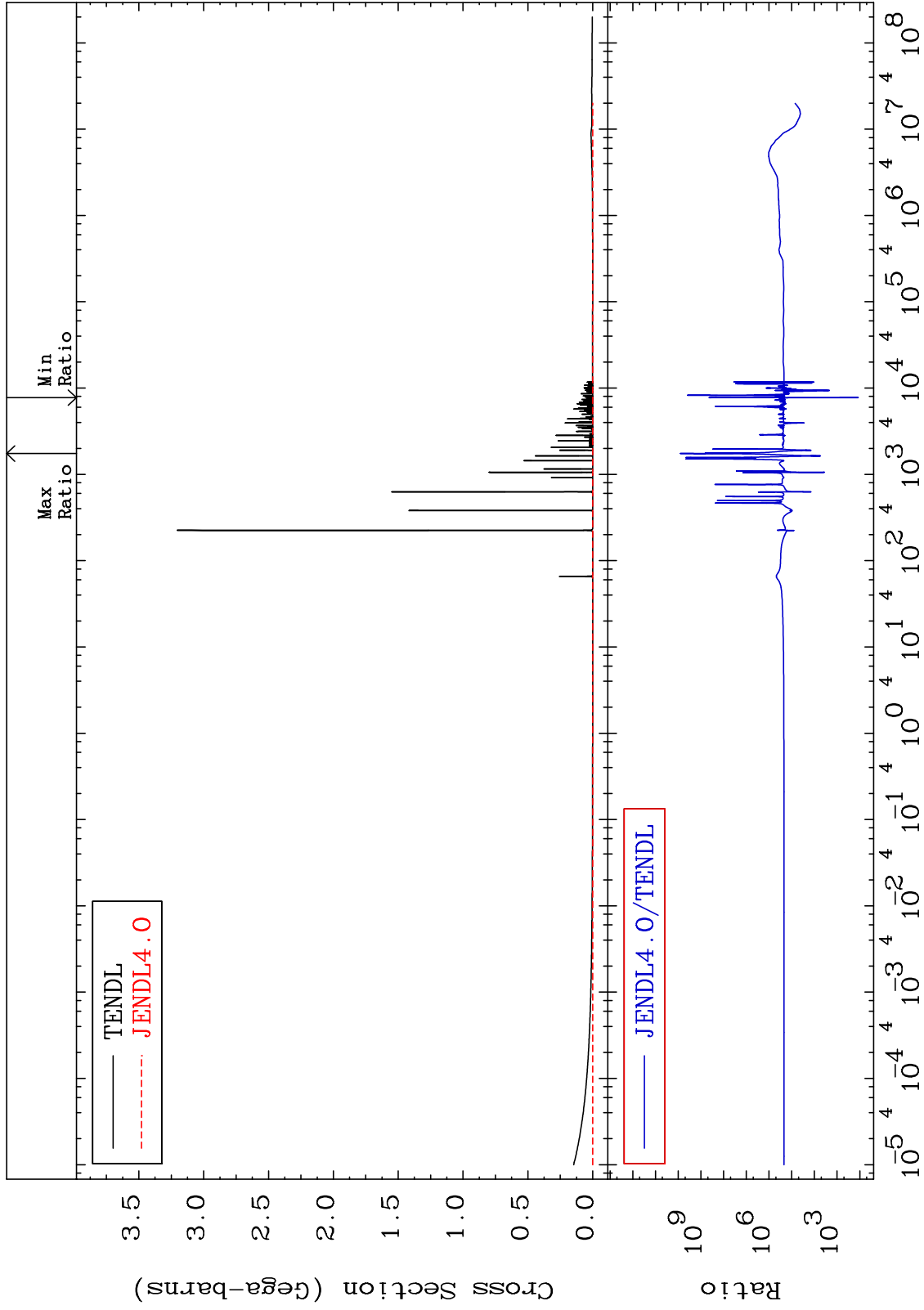
44-Ru-104
9999. To 9999. %



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Total photon (eV-barns)
Cross Section

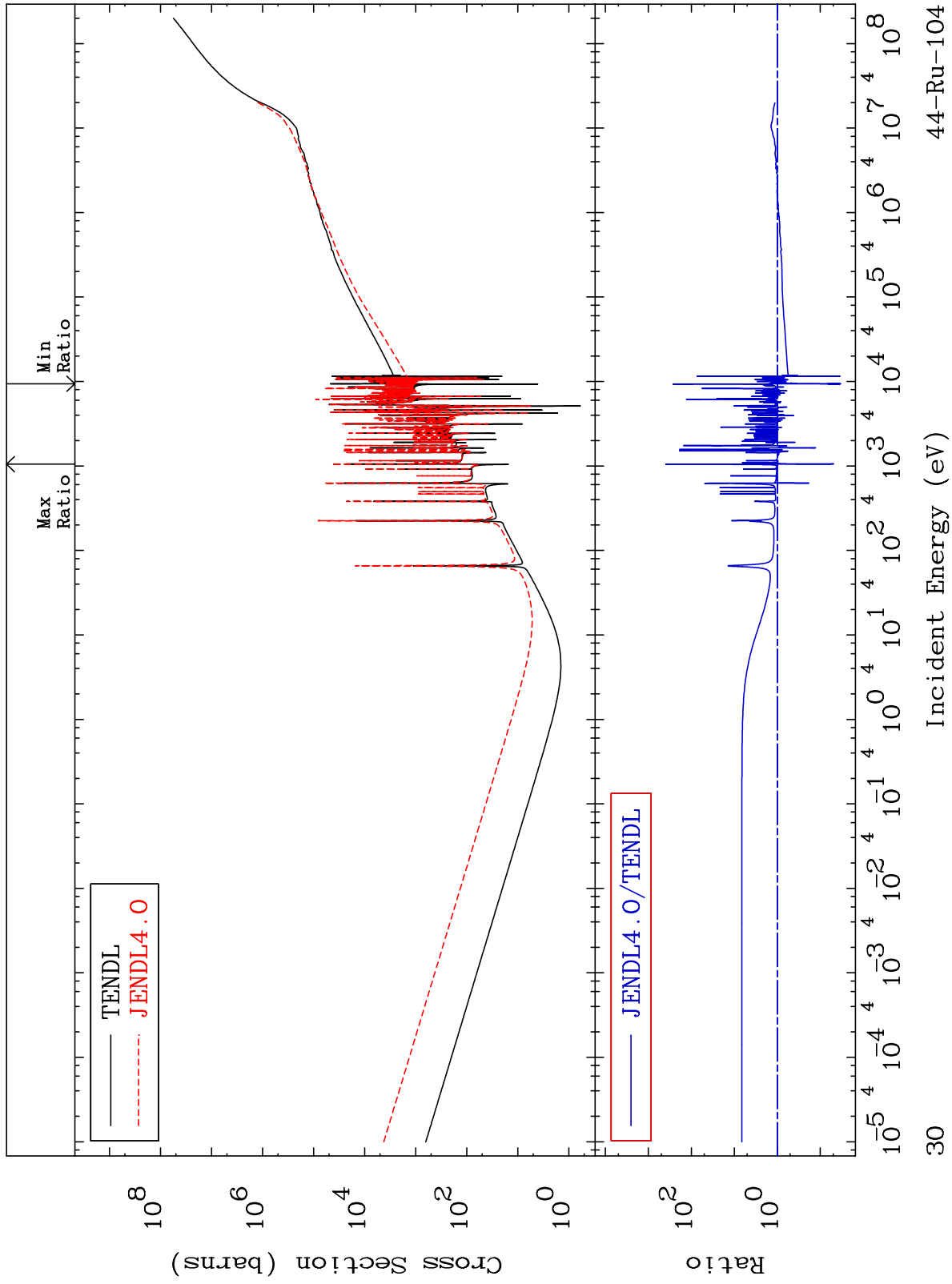
44-Ru-104
9999. To 9999. %



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Total kinematic kerma (high limit)
Cross Section

44-Ru-104
-96.63 To 9999. %



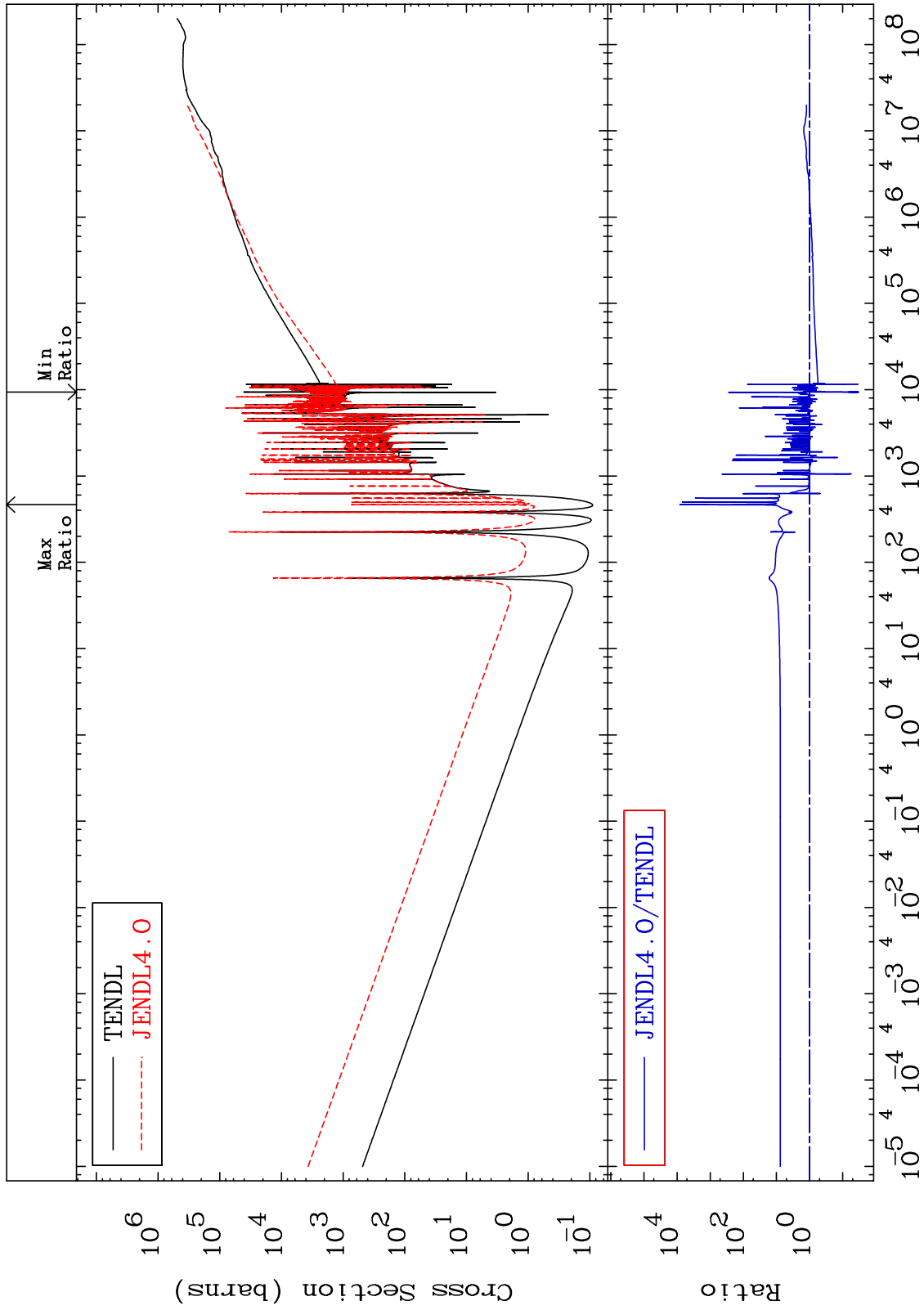
30

44-Ru-104

MAT 4449

Dpa total (eV-barns)
Cross Section

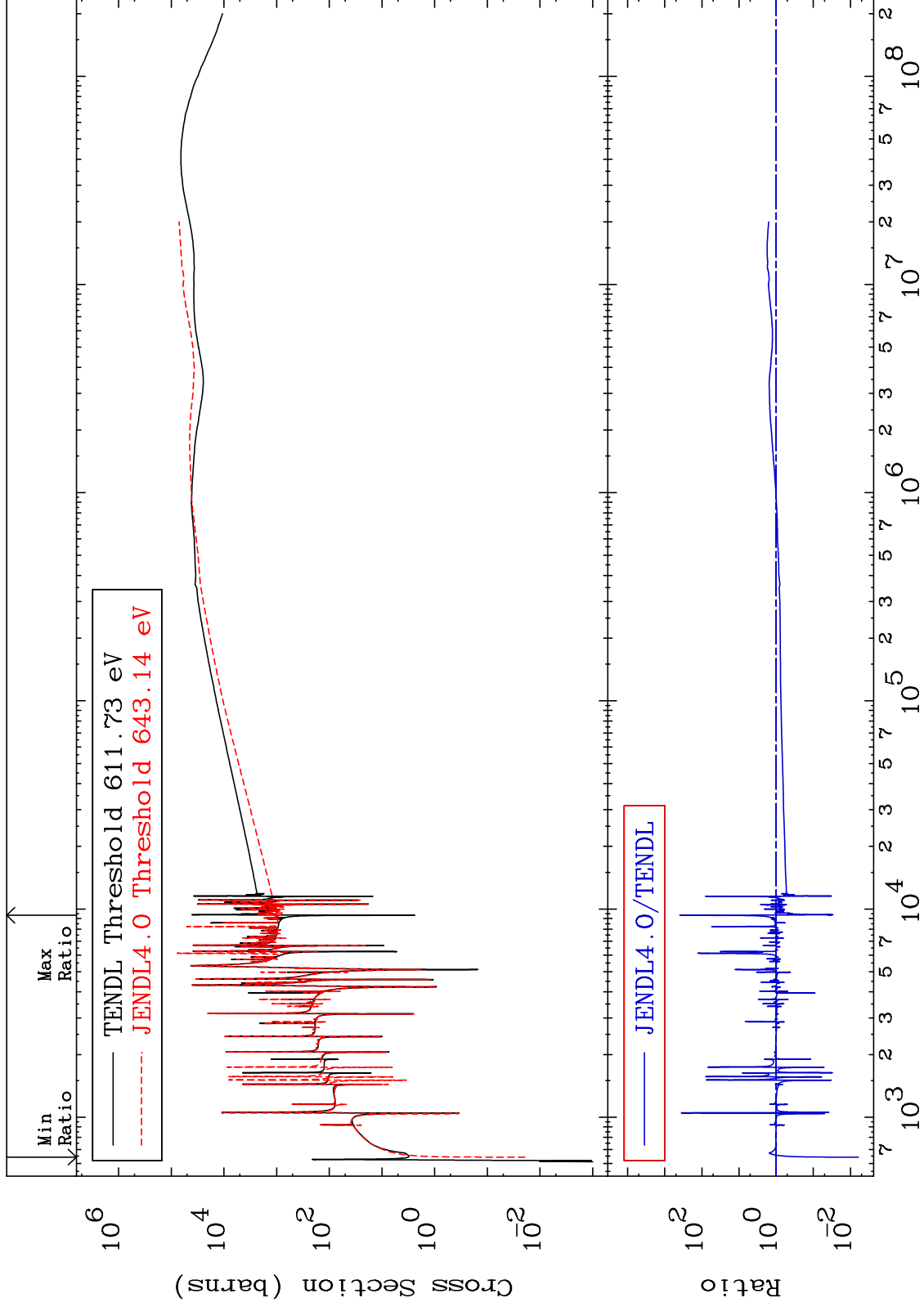
44-Ru-104
-96.63 To 9999. %



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Dpa elastic (mt2)
Cross Section

44-Ru-104
-99.39 To 9999. %



32

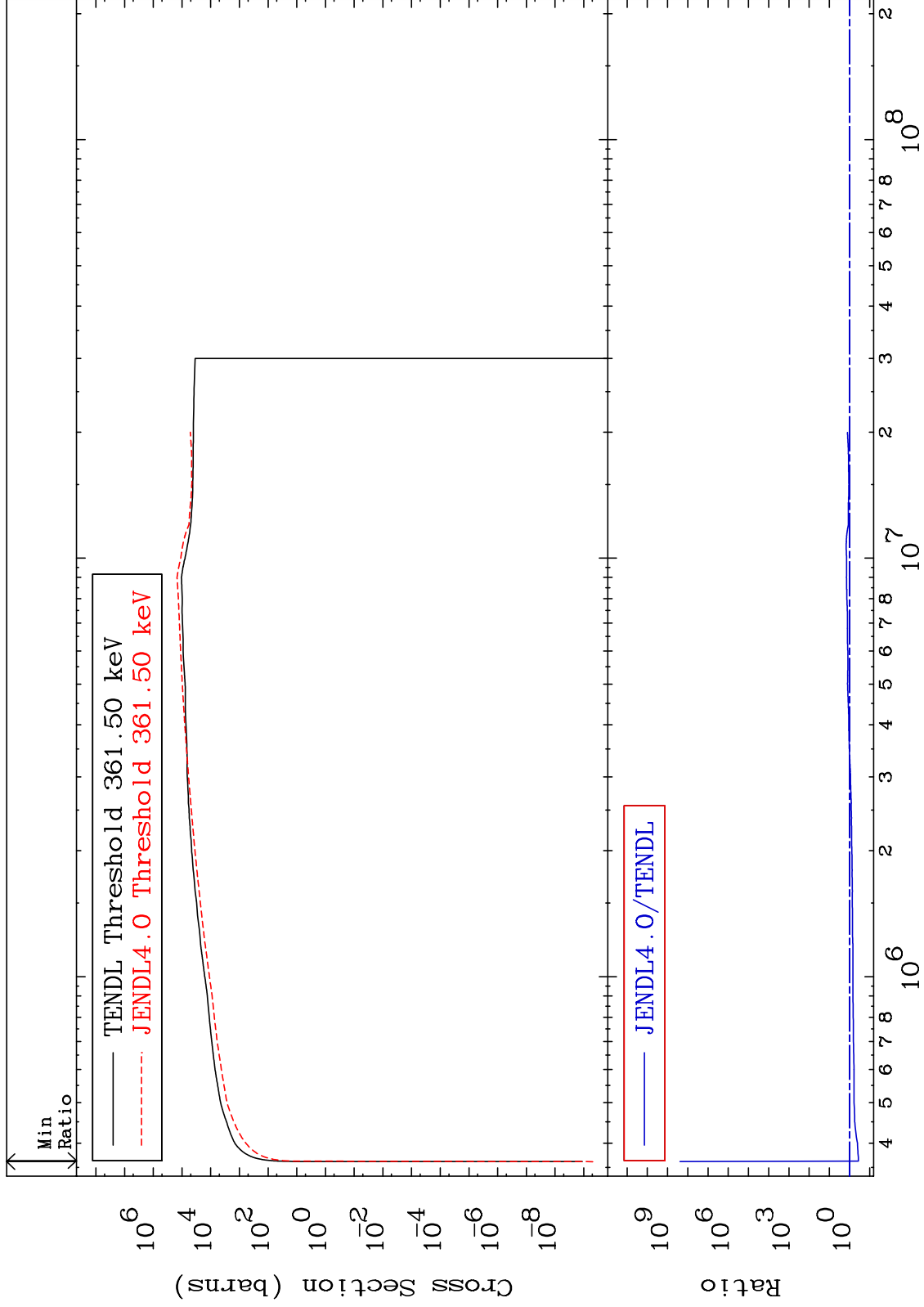
44-Ru-104

44-Ru-104

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Dpa inelastic (mt51-91)
Cross Section

44-Ru-104
-63.38 To 9999. %



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Dpa disappearance (mt102 -120)
Cross Section

44-Ru-104
-99.44 To 9999. %

