

Program Complot
(Version 2018-1)

by

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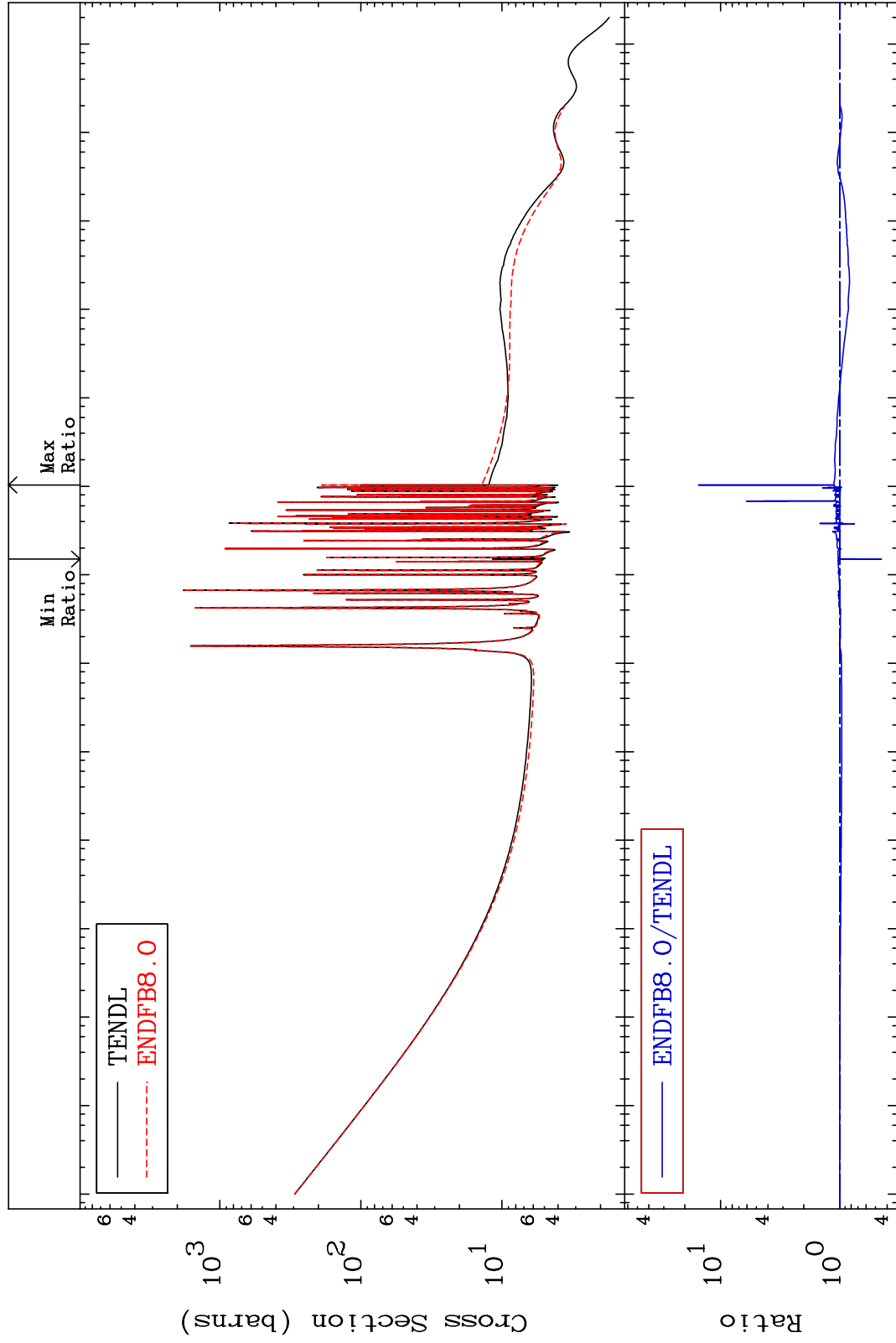
Press Mouse Button to Start

MAT 4440

Total
Cross Section

44-Ru-101

-55.55 To 1425. %



Incident Energy (eV)

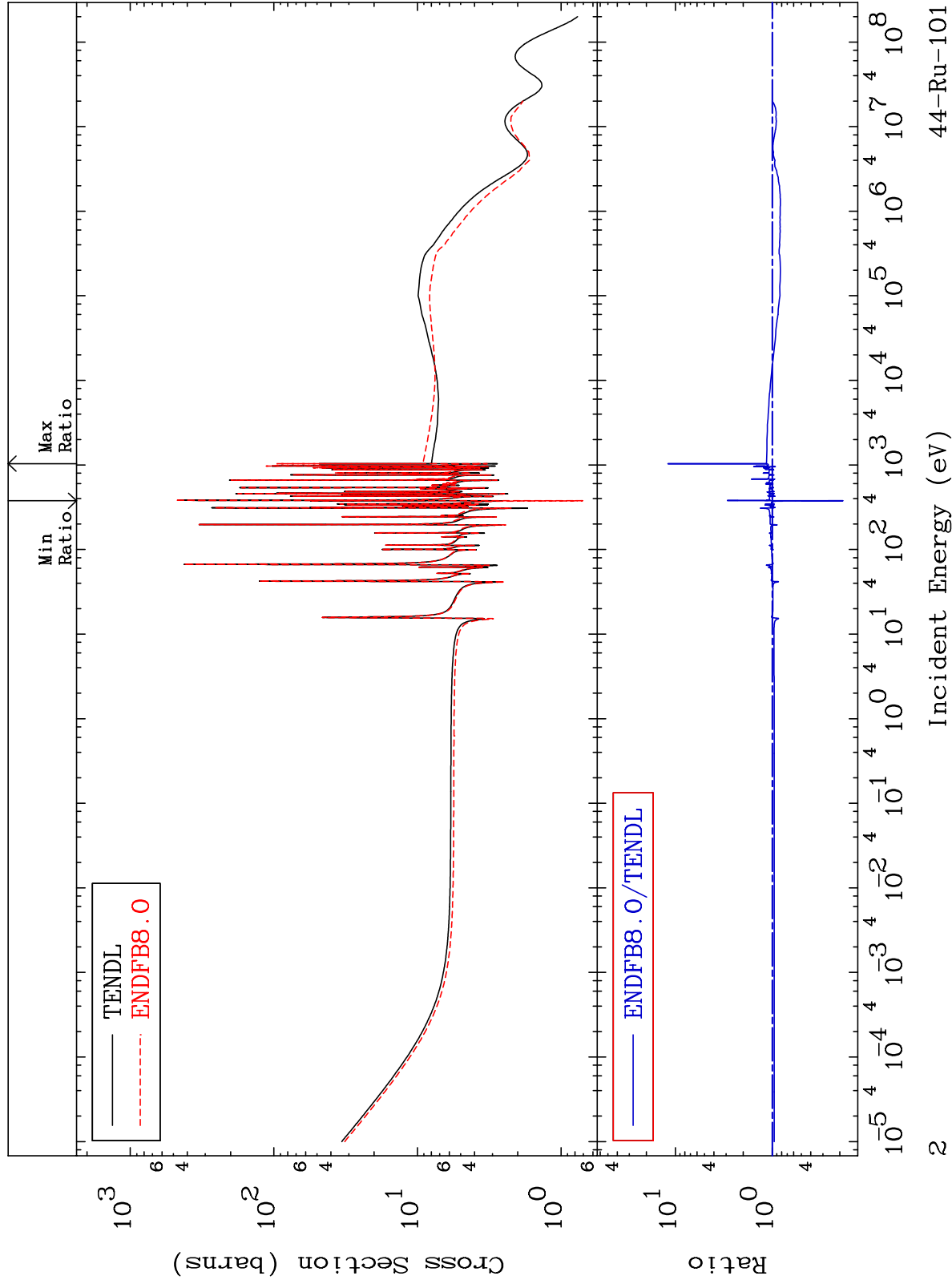
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

44-Ru-101

MAT 4440

Elastic
Cross Section

44-Ru-101
-81.37 To 1094. %



44-Ru-101

Incident Energy (eV)

2

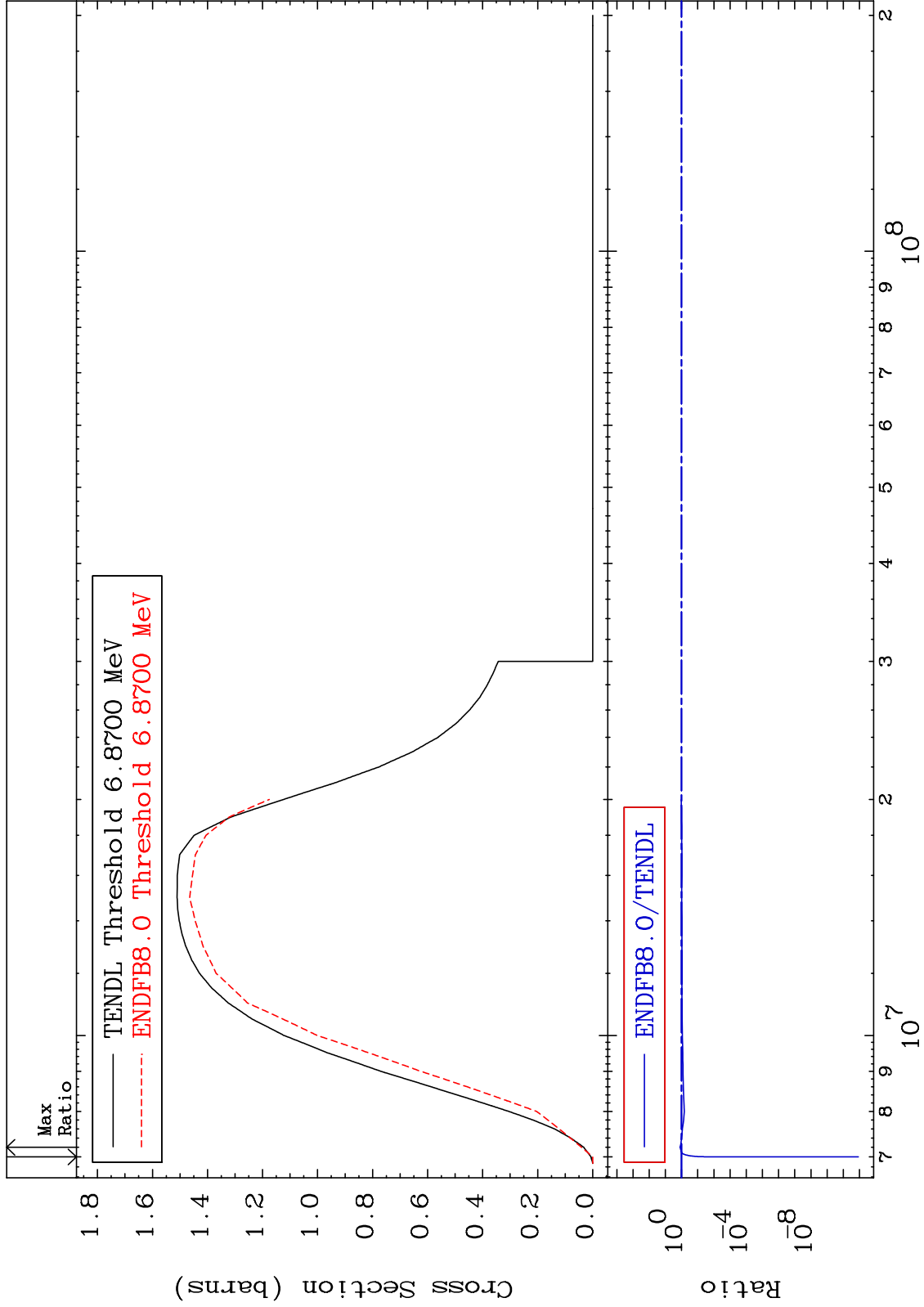
MAT 4440

(n,2n)

44-Ru-101

Cross Section

-100.0 To 24.30 %



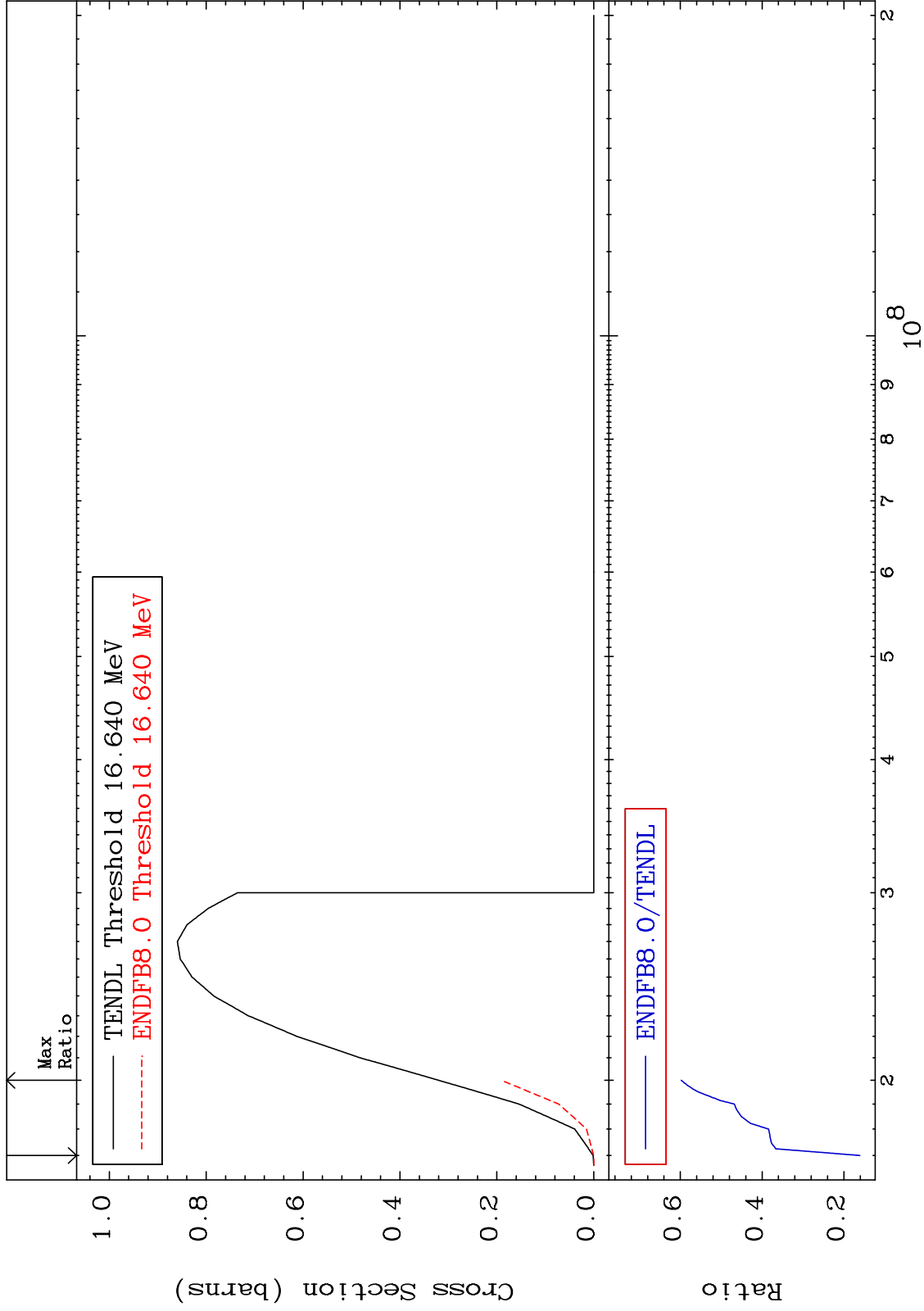
MAT 4440

(n,3n)

44-Ru-101

Cross Section

-83.93 To -40.22%



5

Incident Energy (eV)

44-Ru-101

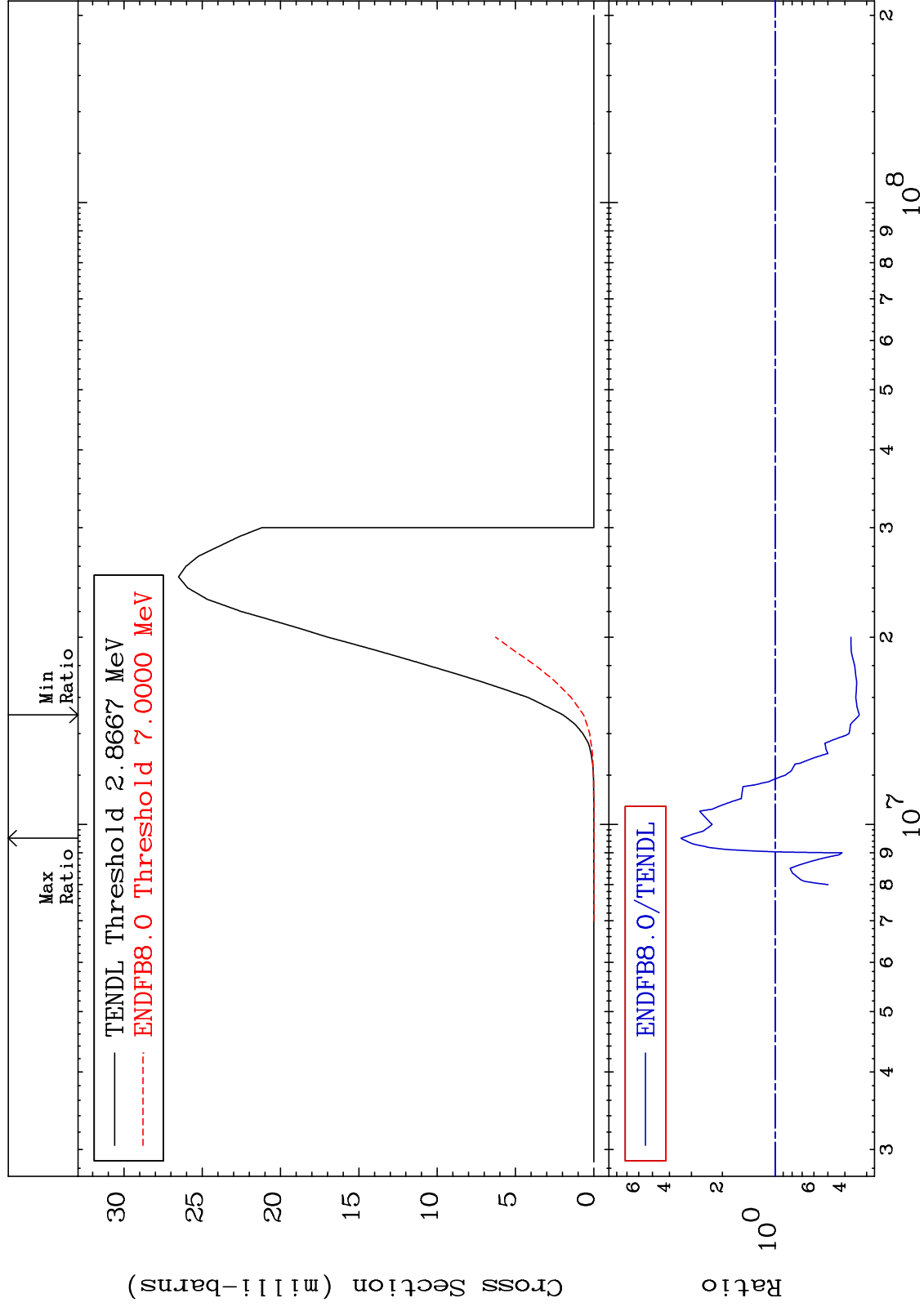
MAT 4440

(n, n') α

44-Ru-101

Cross Section

-66.91 To 243.8 %



6

Incident Energy (eV)

44-Ru-101

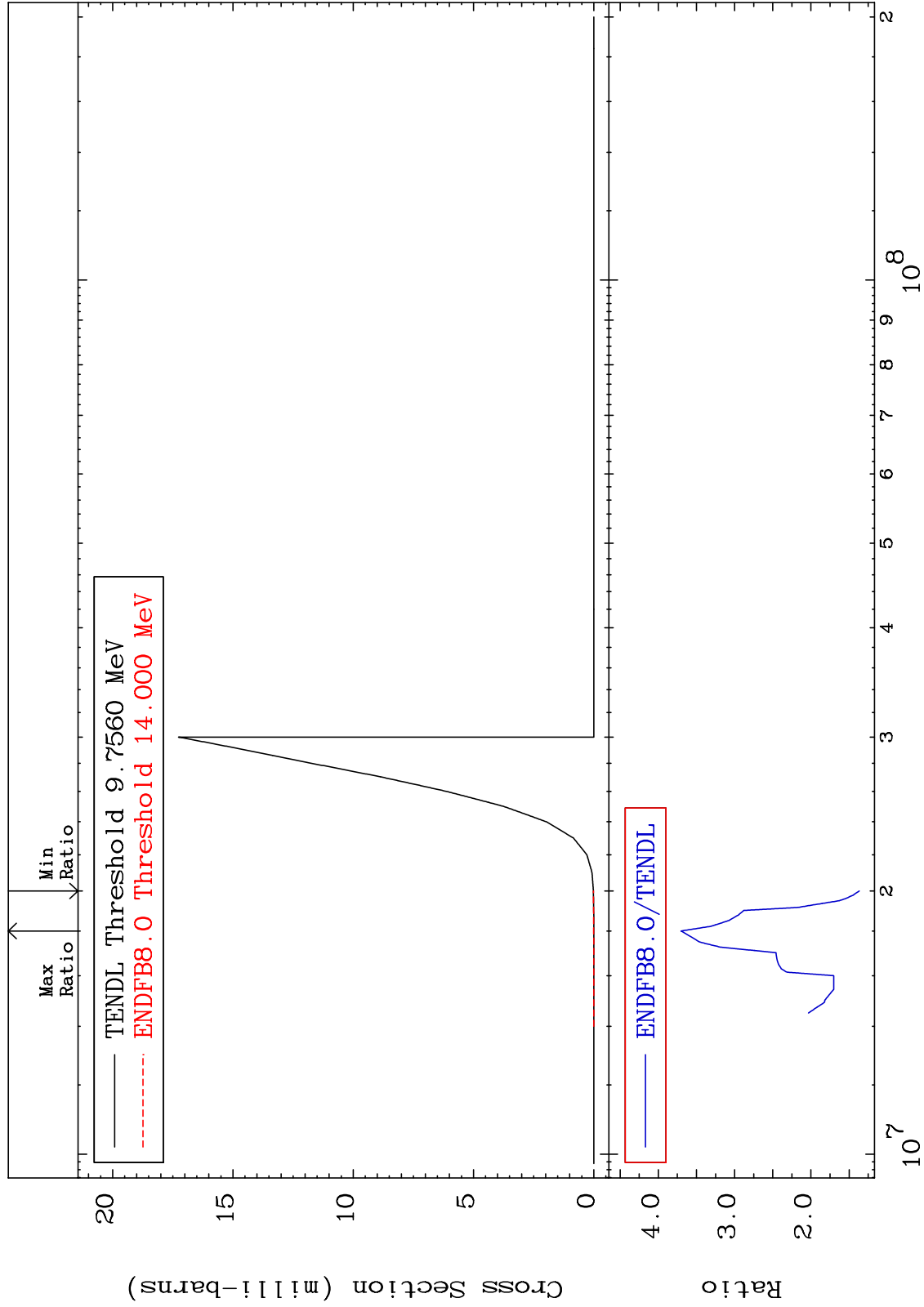
MAT 4440

(n,2n) α

44-Ru-101

Cross Section

36.69 To 270.2 %



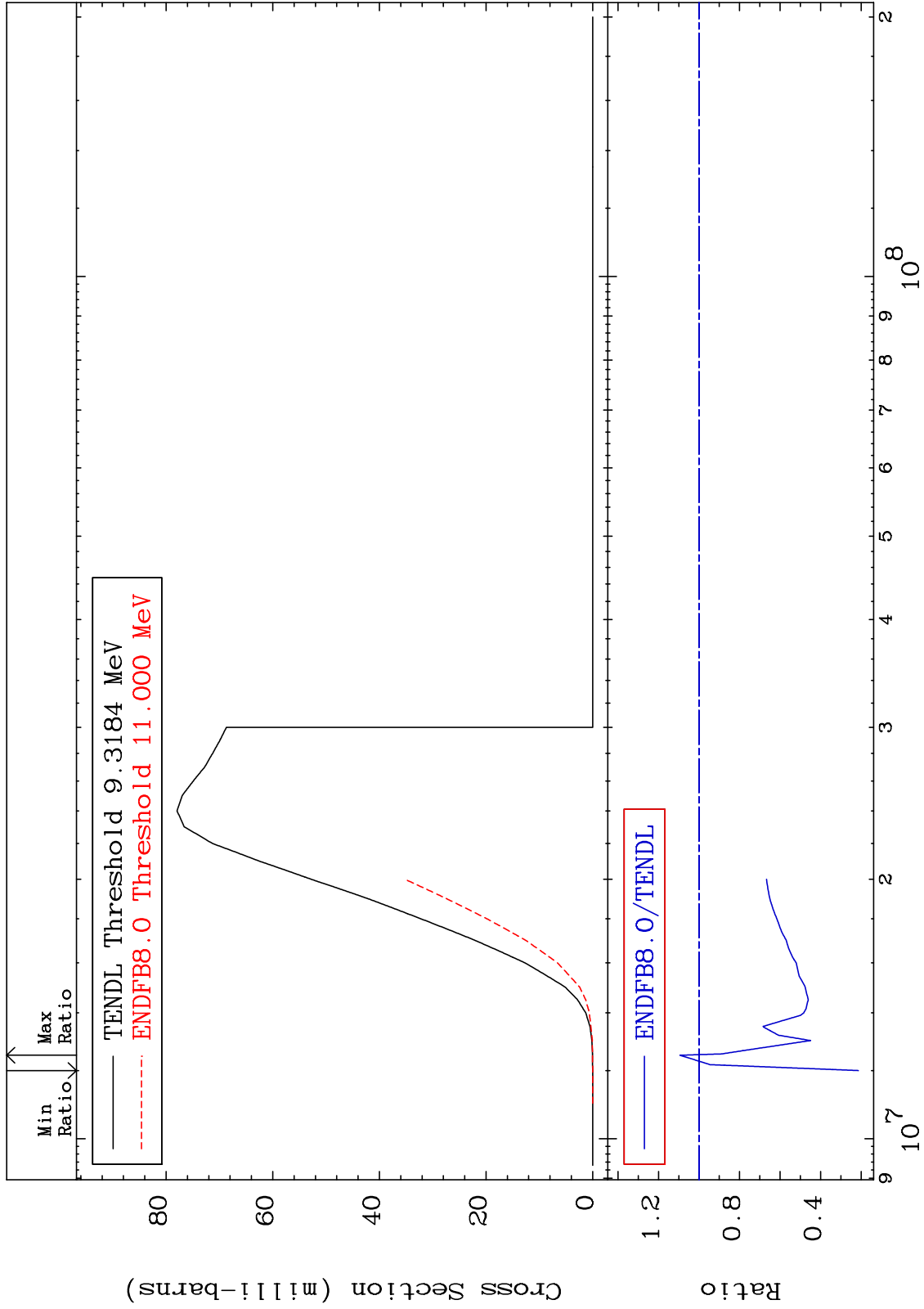
Incident Energy (eV)

44-Ru-101

MAT 4440

(n,n') p
Cross Section

44-Ru-101
-78.67 To 9.377 %



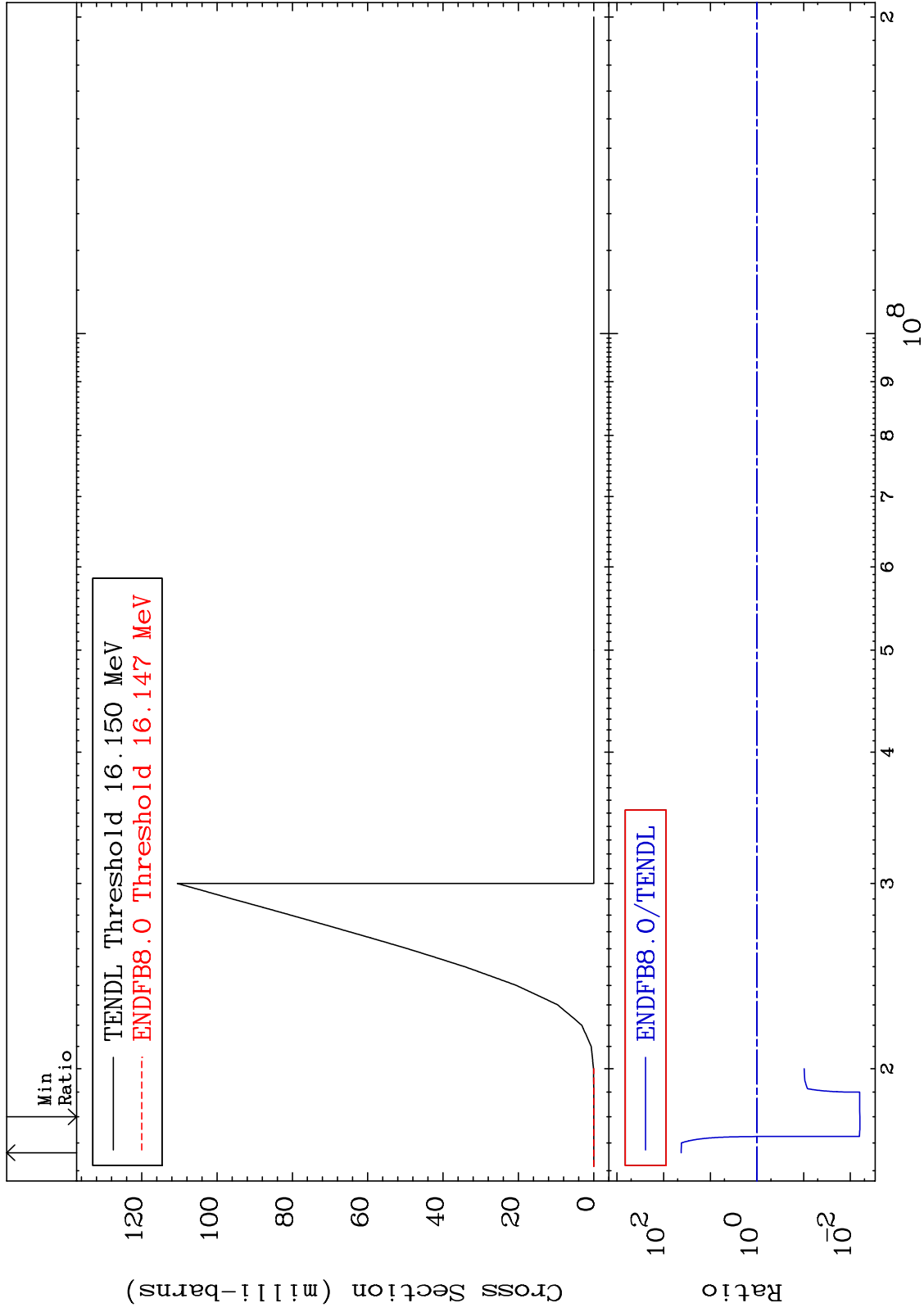
44-Ru-101

Incident Energy (eV)

MAT 4440

(n,2n) p
Cross Section

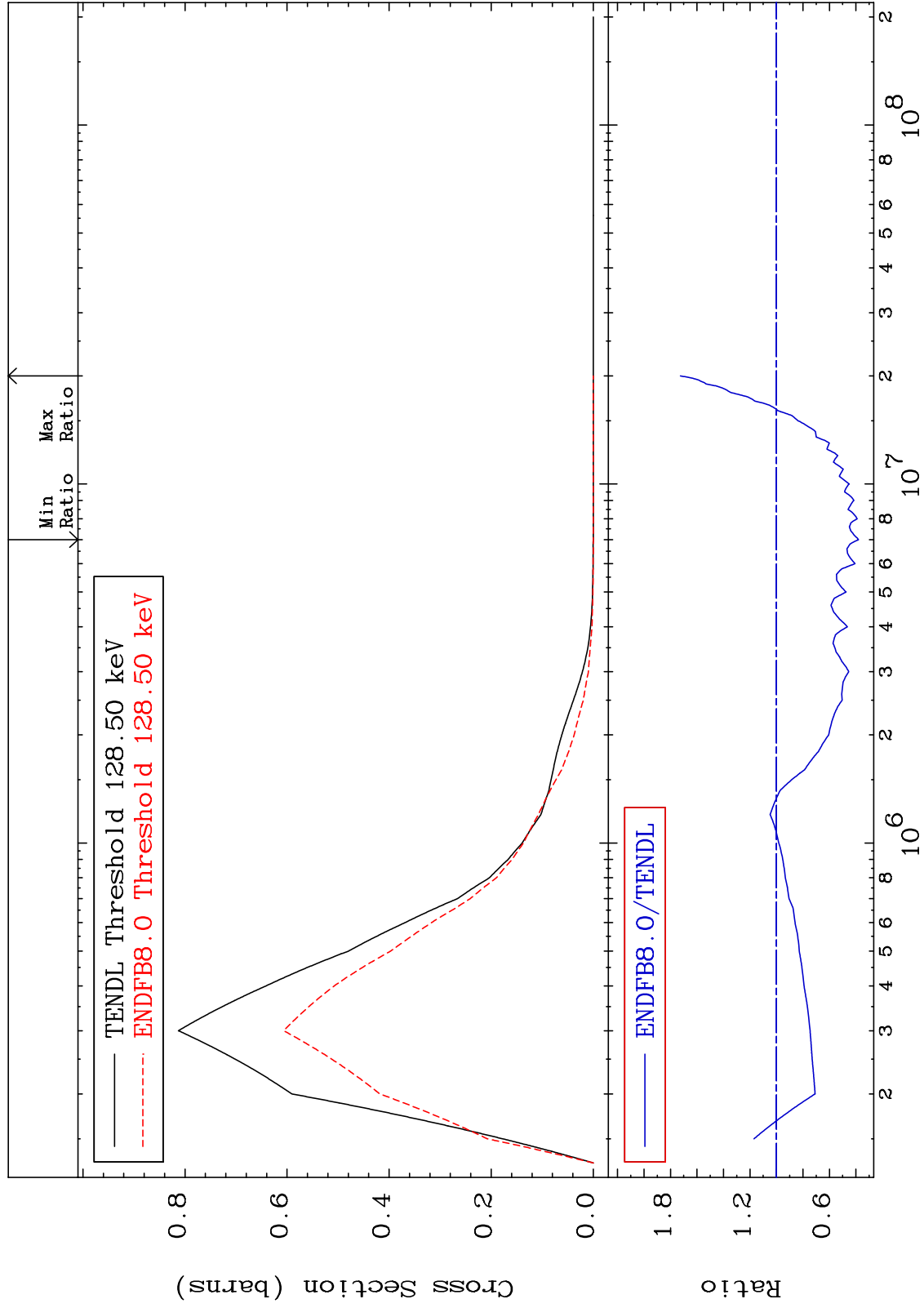
44-Ru-101
-99.38 To 4103. %



MAT 4440

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

44-Ru-101
-61.96 To 72.47 %

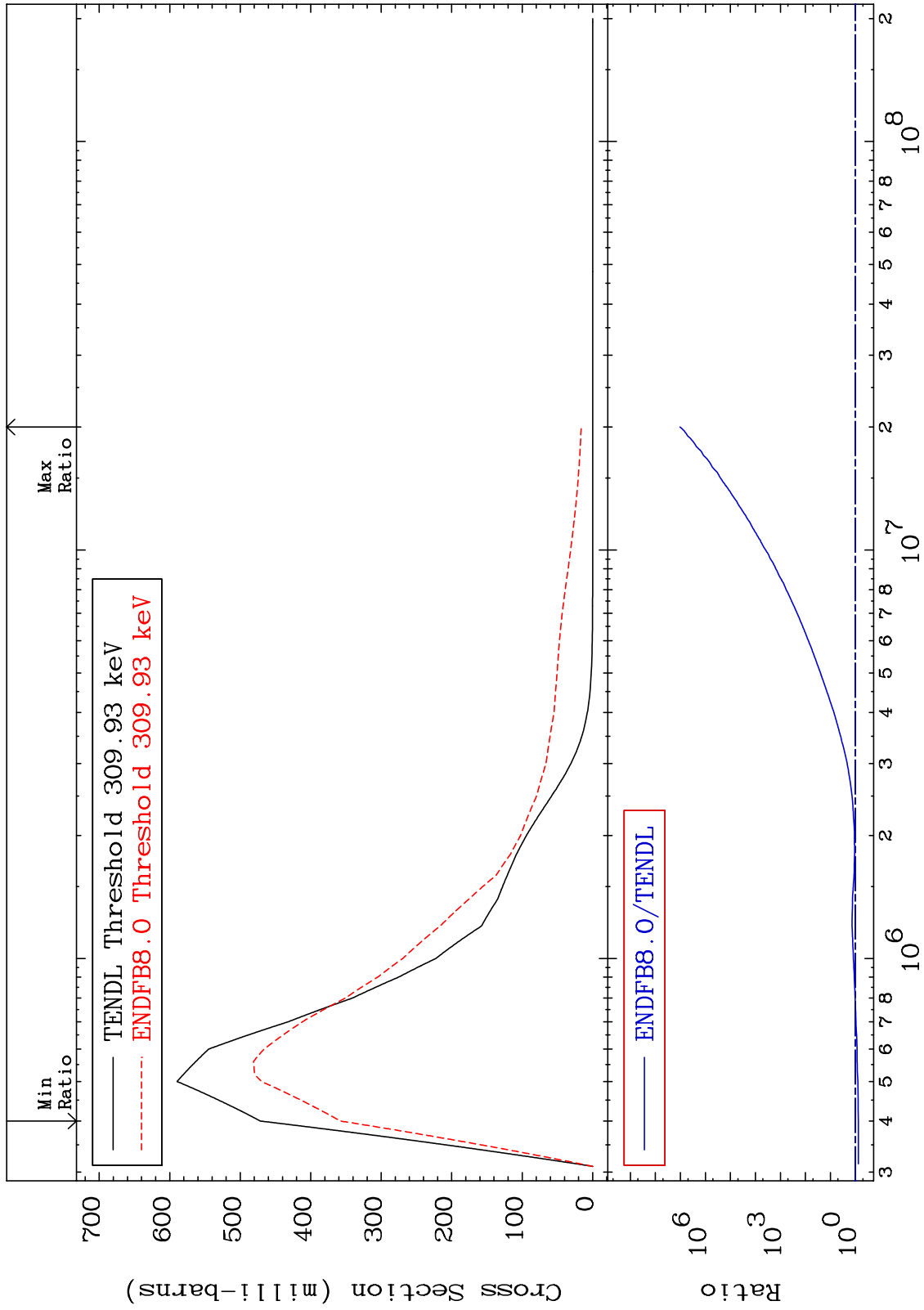


10

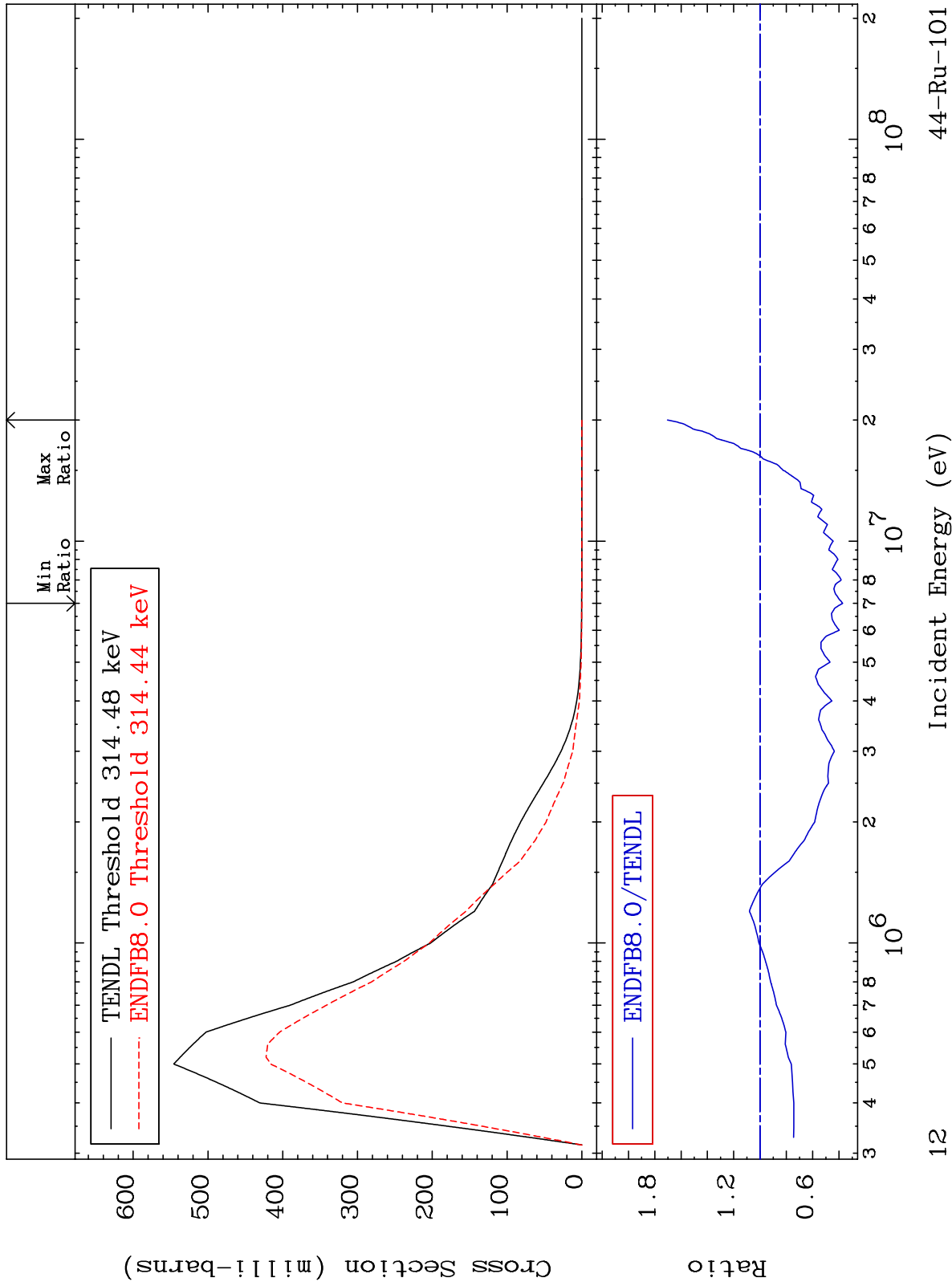
Incident Energy (eV)

44-Ru-101

MAT 4440 MT= 52 (n,n') Level Cross Section 44-Ru-101
 -24.11 To 9999. %



MAT 4440 MT= 53 (n, n') Level Cross Section 44-Ru-101 -62.77 To 70.29 %



44-Ru-101

Incident Energy (eV)

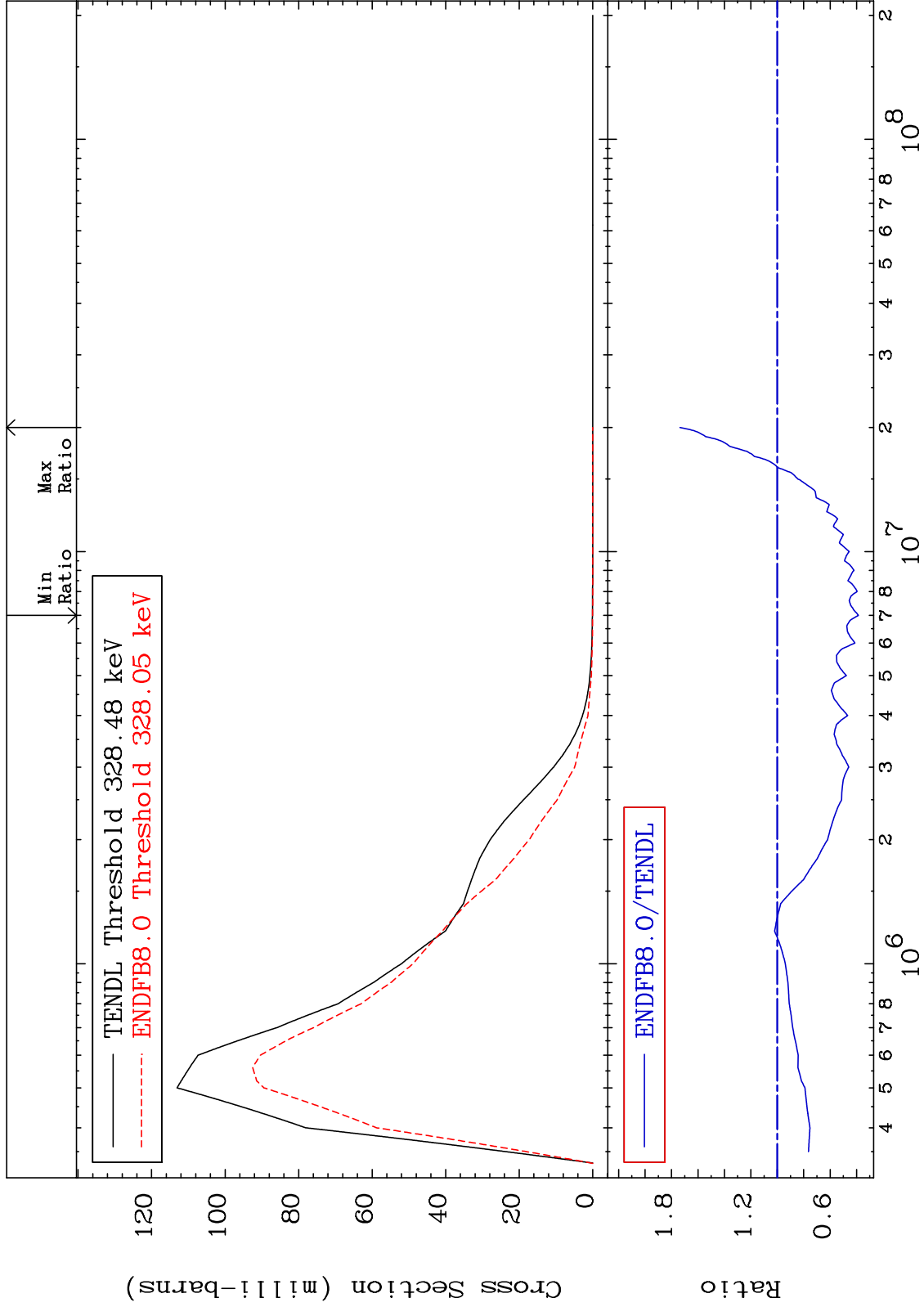
MAT 4440

MT= 54 (n, n') Level

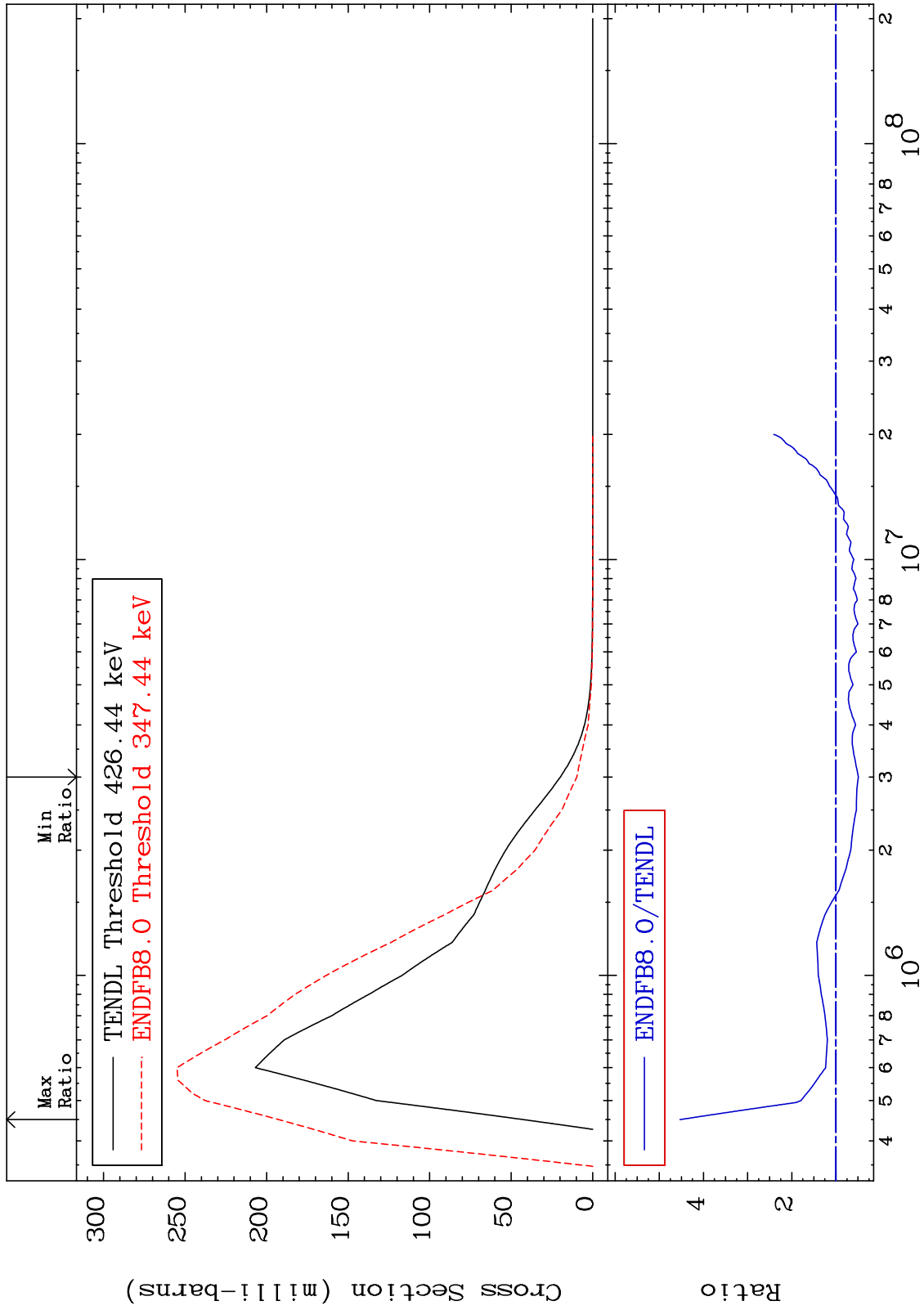
44-Ru-101

-61.39 To 73.56 %

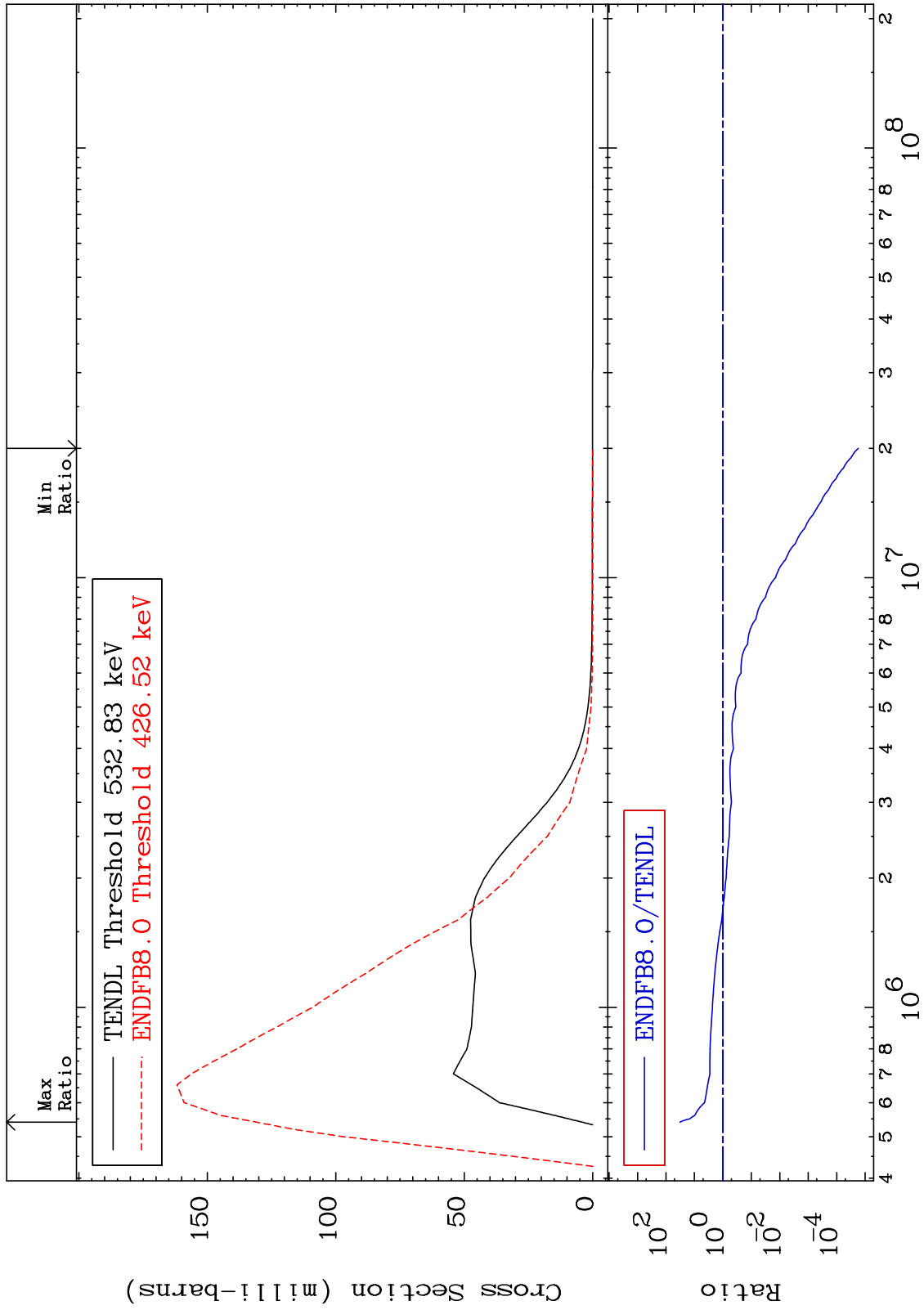
Cross Section



MAT 4440 MT= 55 (n,n') Level 44-Ru-101
 Cross Section -51.04 To 353.1 %



MAT 4440 MT= 56 (n,n') Level Cross Section 44-Ru-101 -100.0 To 3118. %

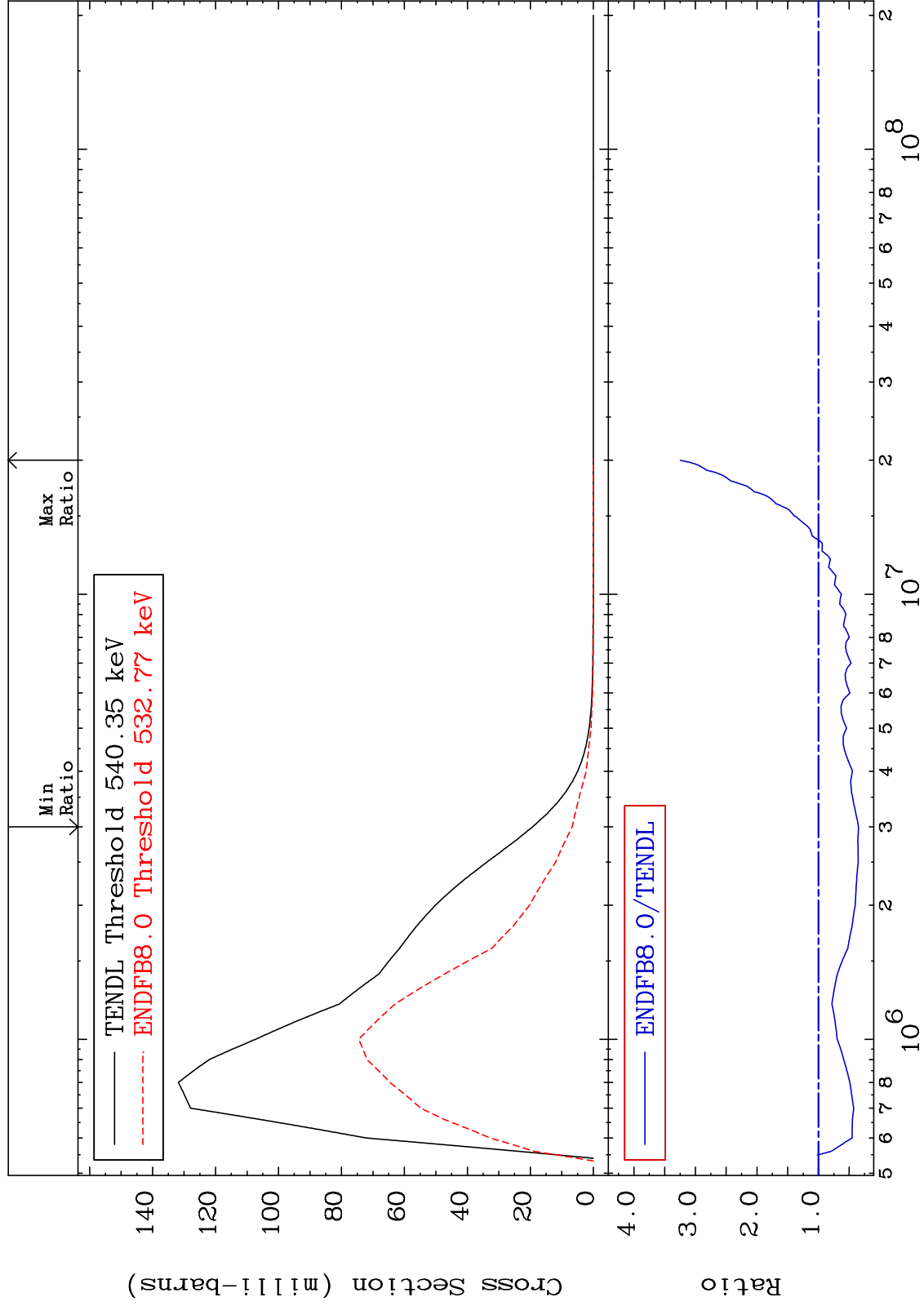


15 44-Ru-101

MAT 4440

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

44-Ru-101
-65.17 To 224.4 %



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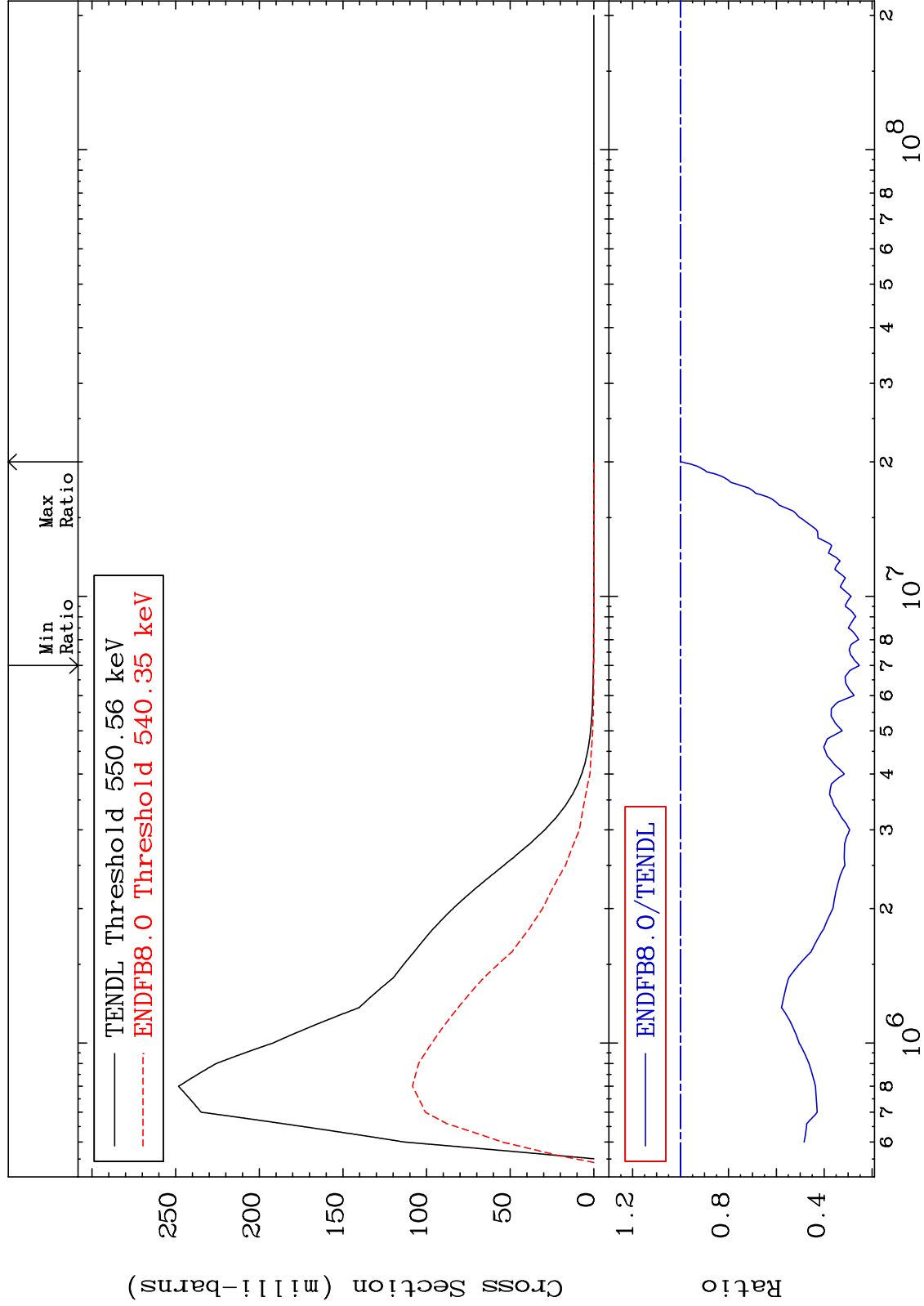
Incident Energy (eV)

44-Ru-101

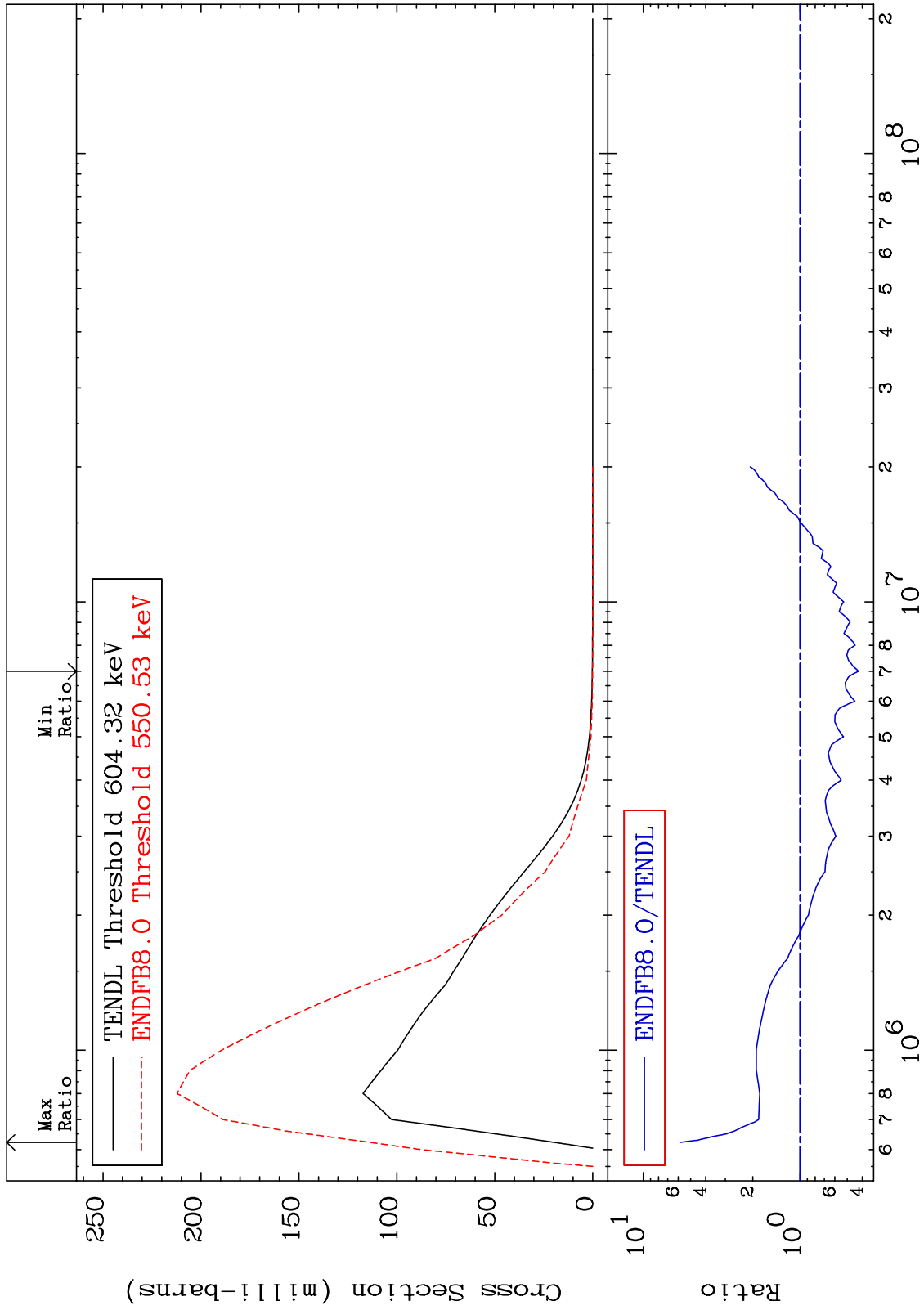
MAT 4440

MT= 58 (n,n') Level
Cross Section

44-Ru-101
-74.65 To -0.196%



MAT 4440 MT= 59 (n,n') Level Cross Section 44-Ru-101 -57.59 To 483.6 %

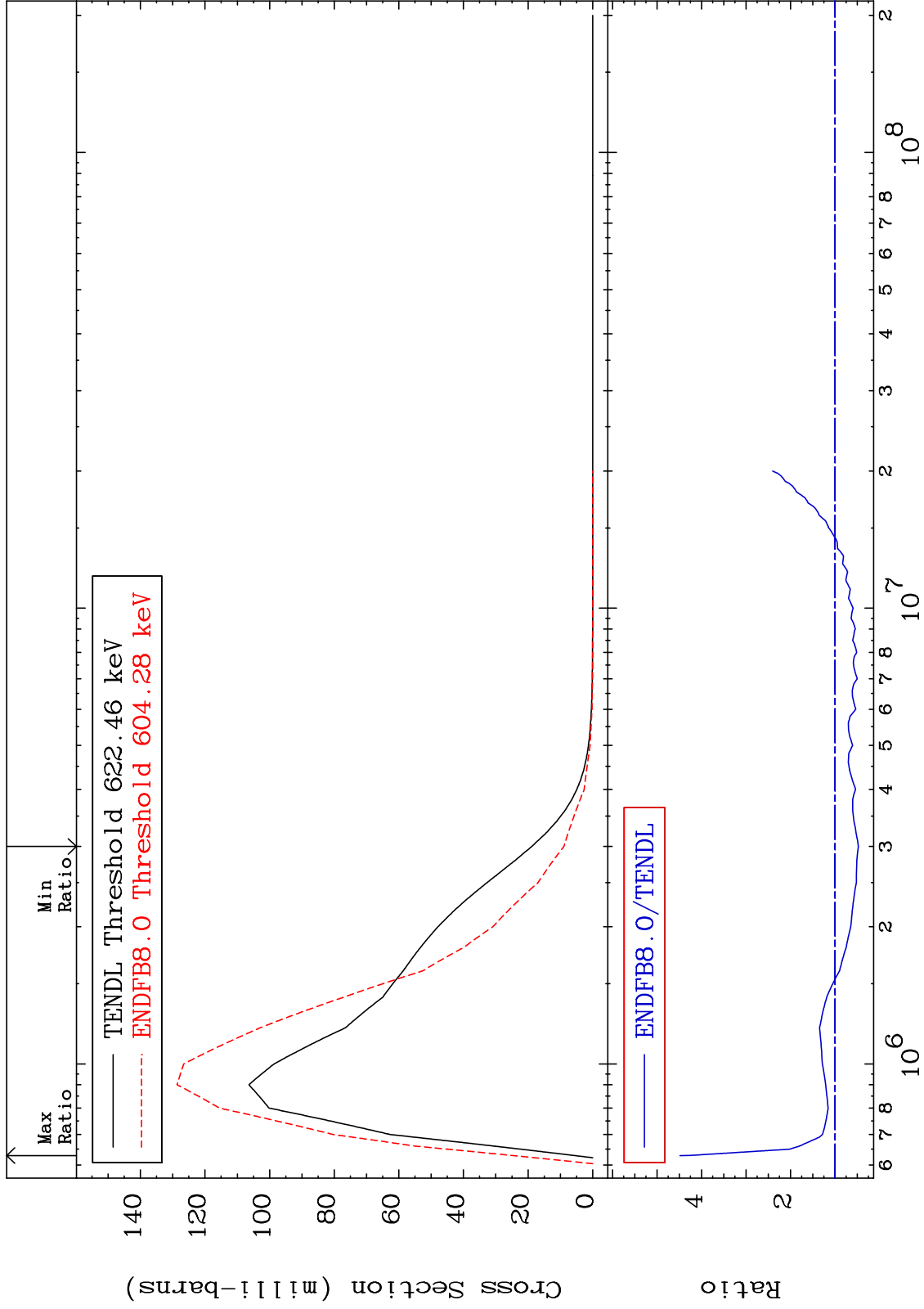


18 44-Ru-101 Incident Energy (eV)

MAT 4440

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

44-Ru-101
-52.69 To 348.3 %

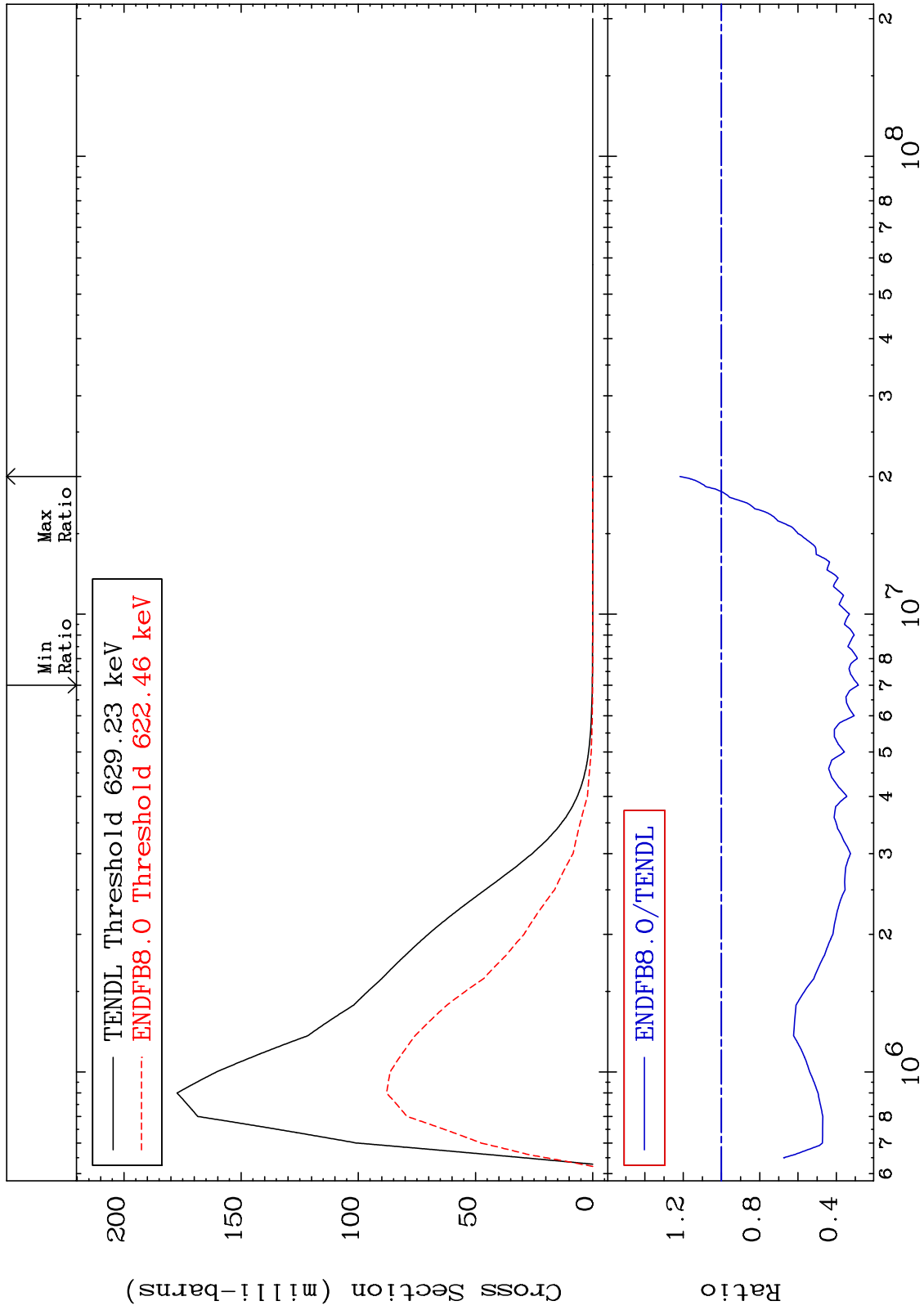


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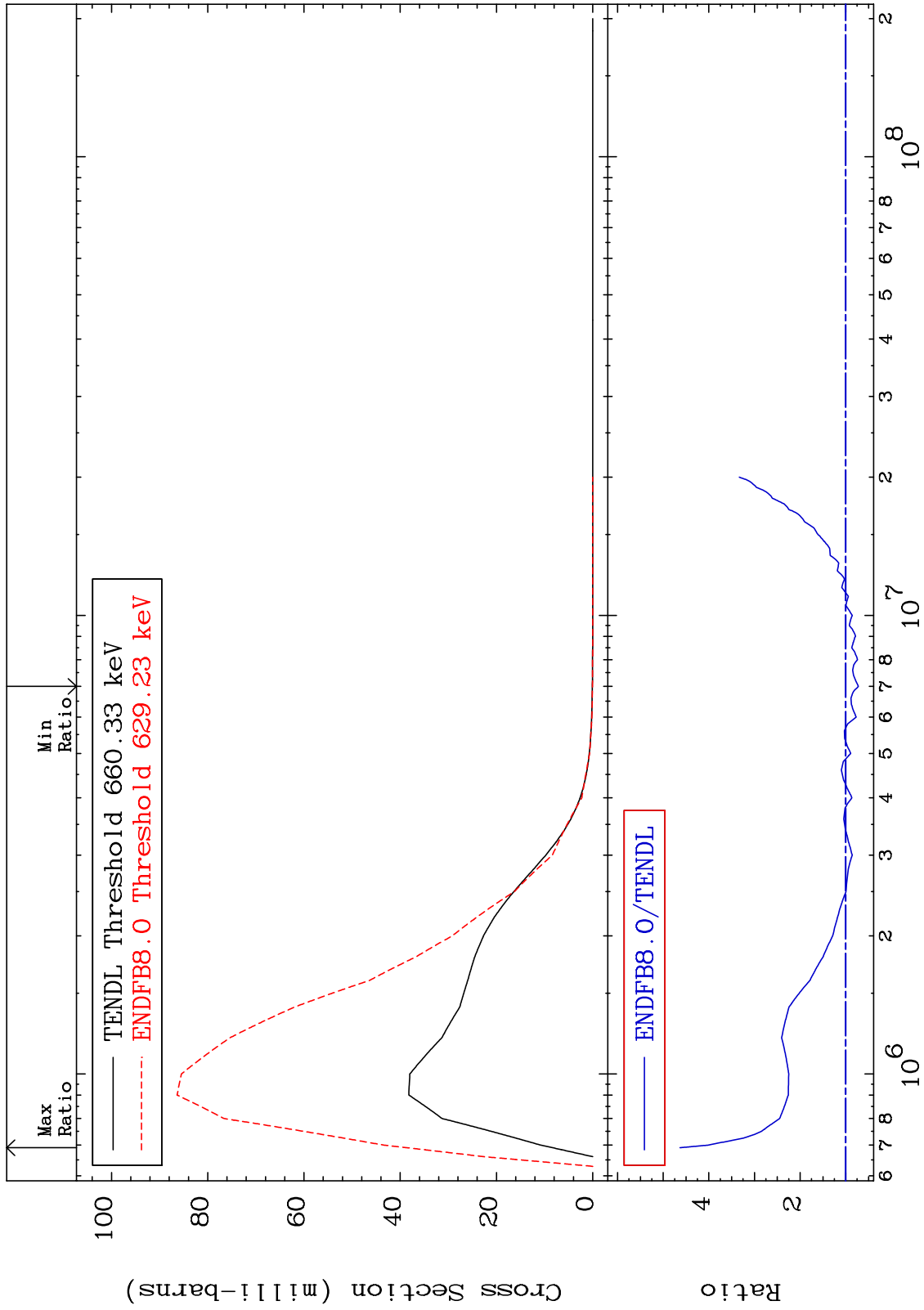
Incident Energy (eV)

44-Ru-101

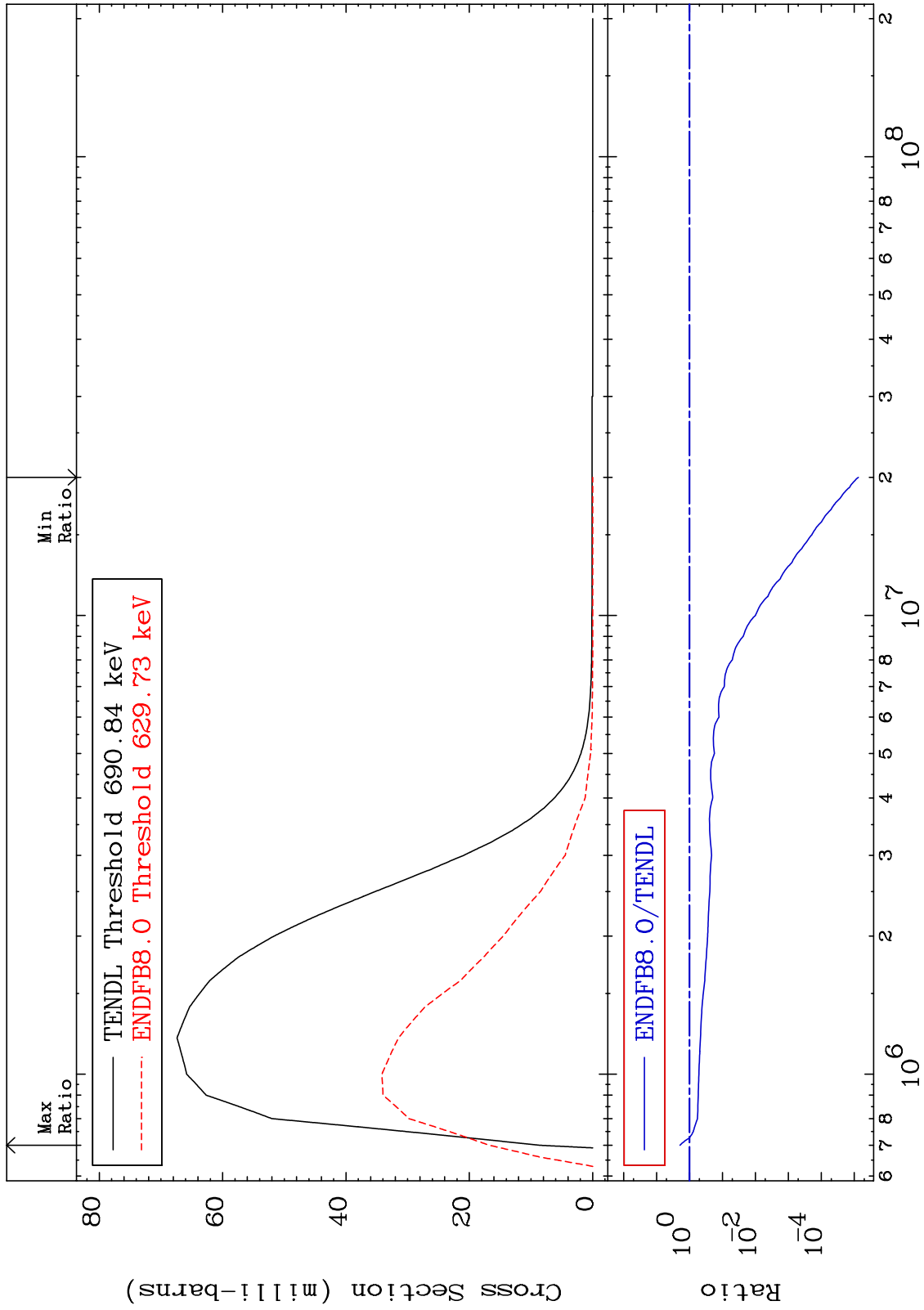
MAT 4440 MT= 61 (n,n') Level Cross Section 44-Ru-101 -71.57 To 21.65 %



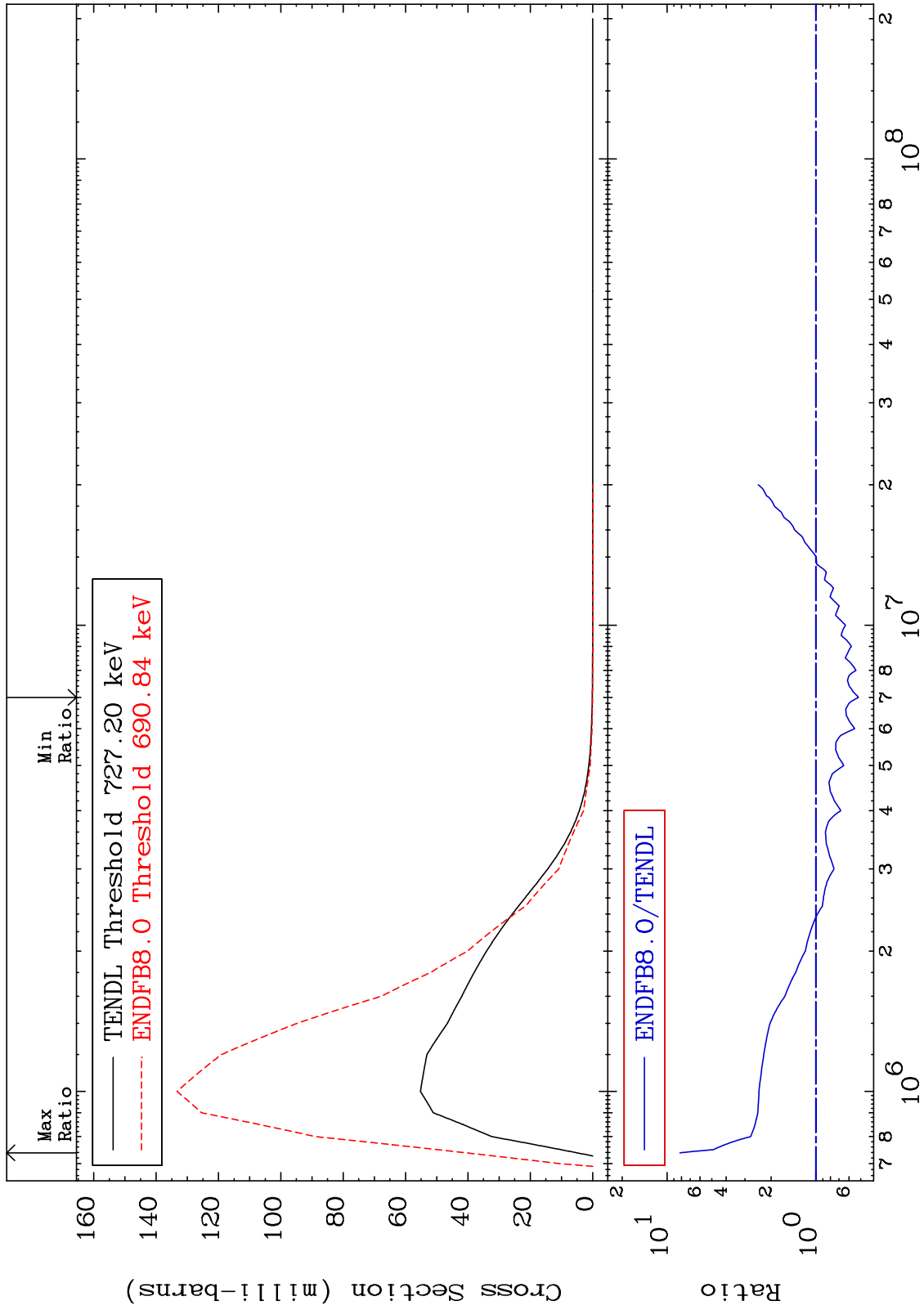
MAT 4440 MT= 62 (n,n') Level Cross Section 44-Ru-101 -27.76 To 363.2 %



MAT 4440 MT= 63 (n,n') Level Cross Section 44-Ru-101
 -100.0 To 94.04 %



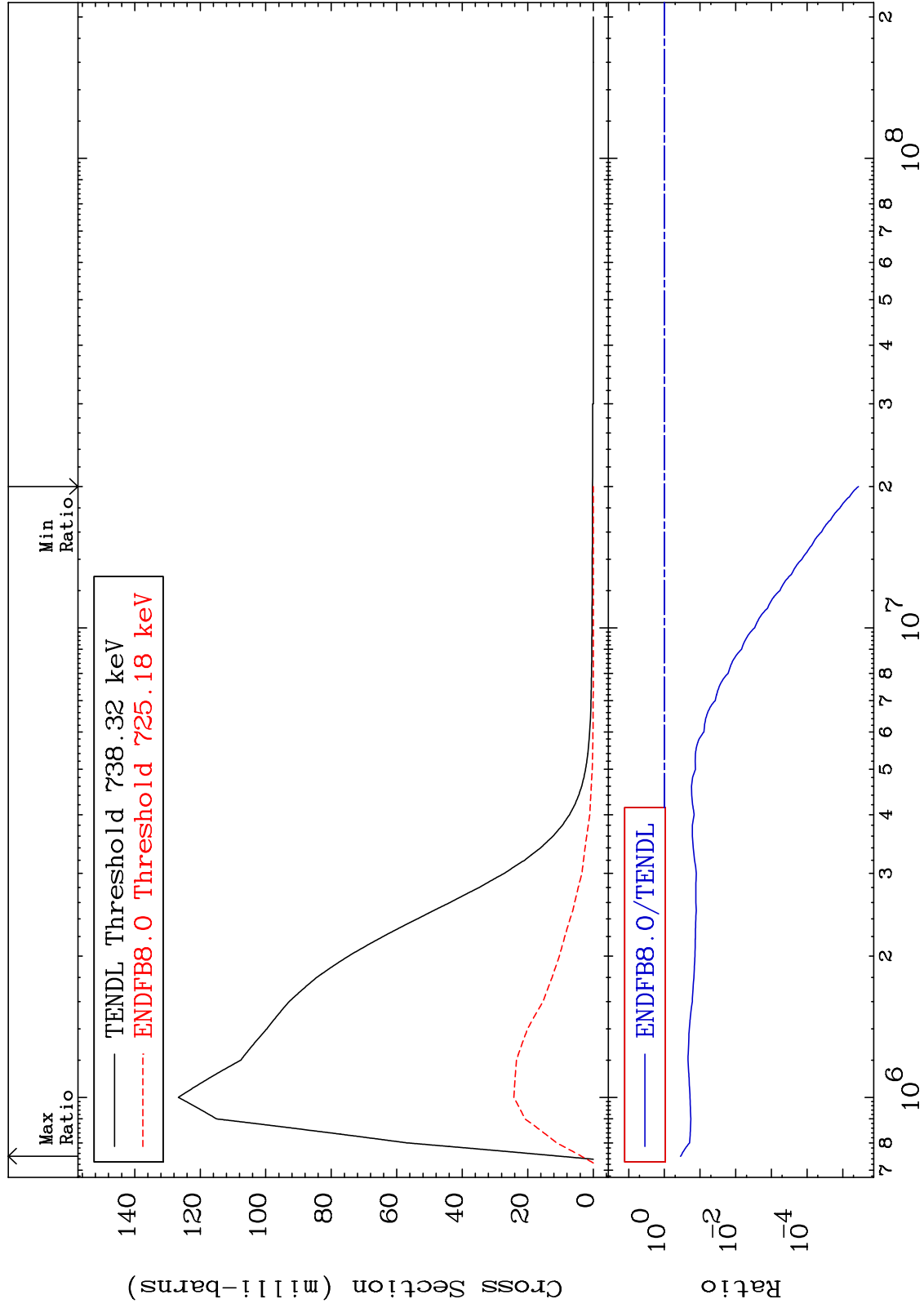
MAT 4440 MT= 64 (n,n') Level Cross Section 44-Ru-101
 -48.18 To 718.1 %



MAT 4440

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

44-Ru-101
-100.0 To -64.60%

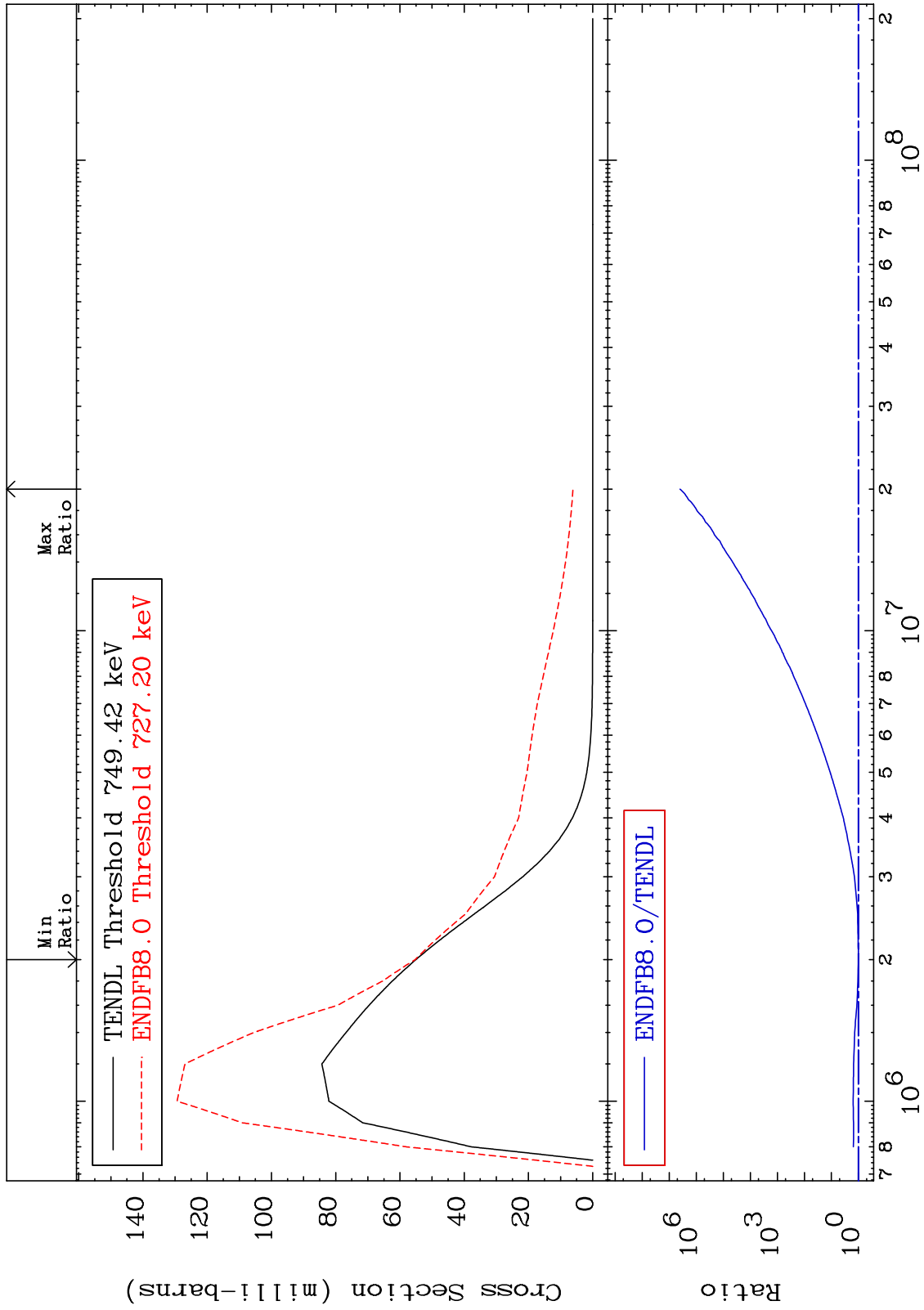


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Incident Energy (eV)

44-Ru-101

MAT 4440 MT= 66 (n,n') Level Cross Section 44-Ru-101 0.466 To 9999. %



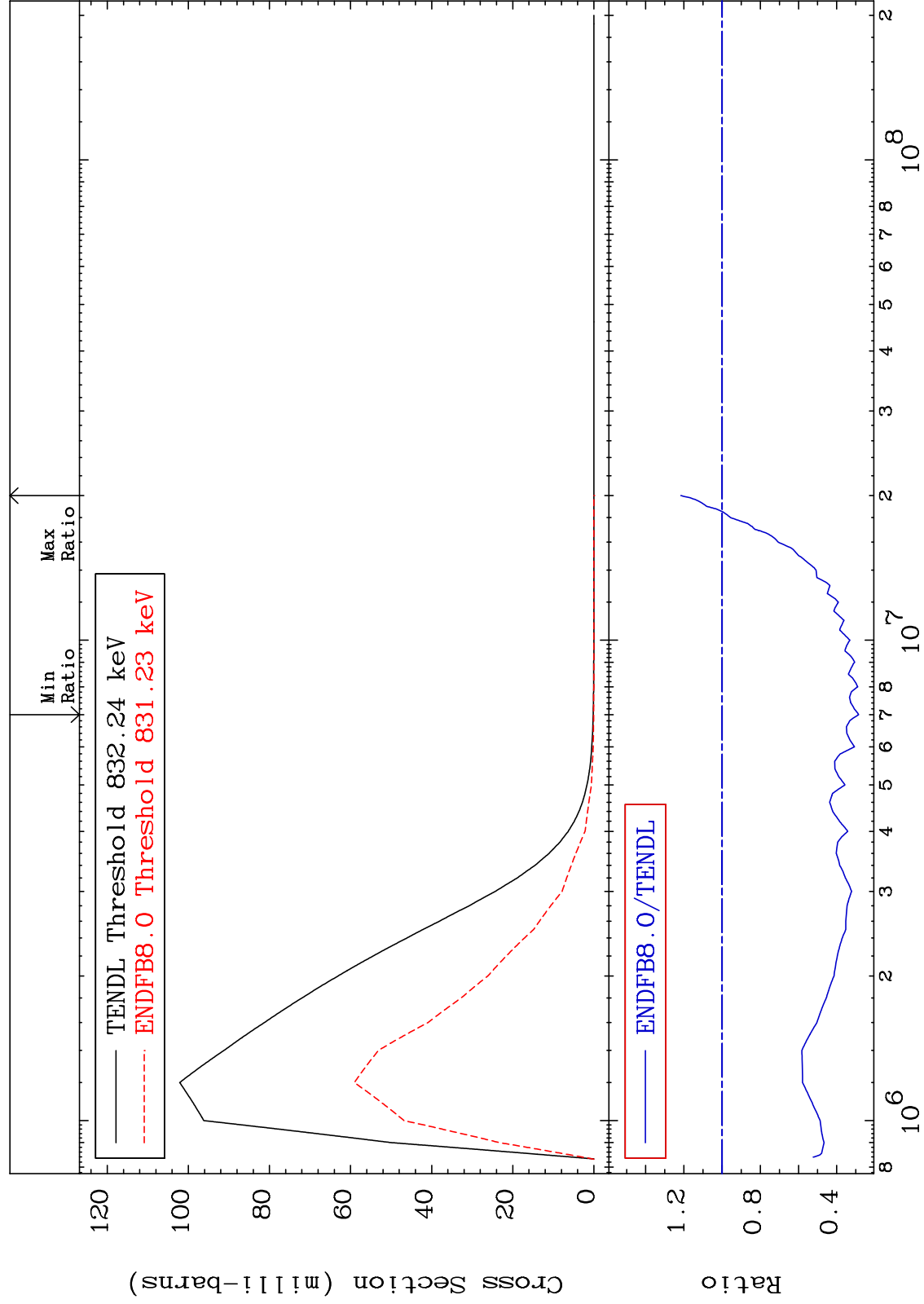
MAT 4440

MT= 67 (n,n') Level

44-Ru-101

-71.48 To 21.58 %

Cross Section

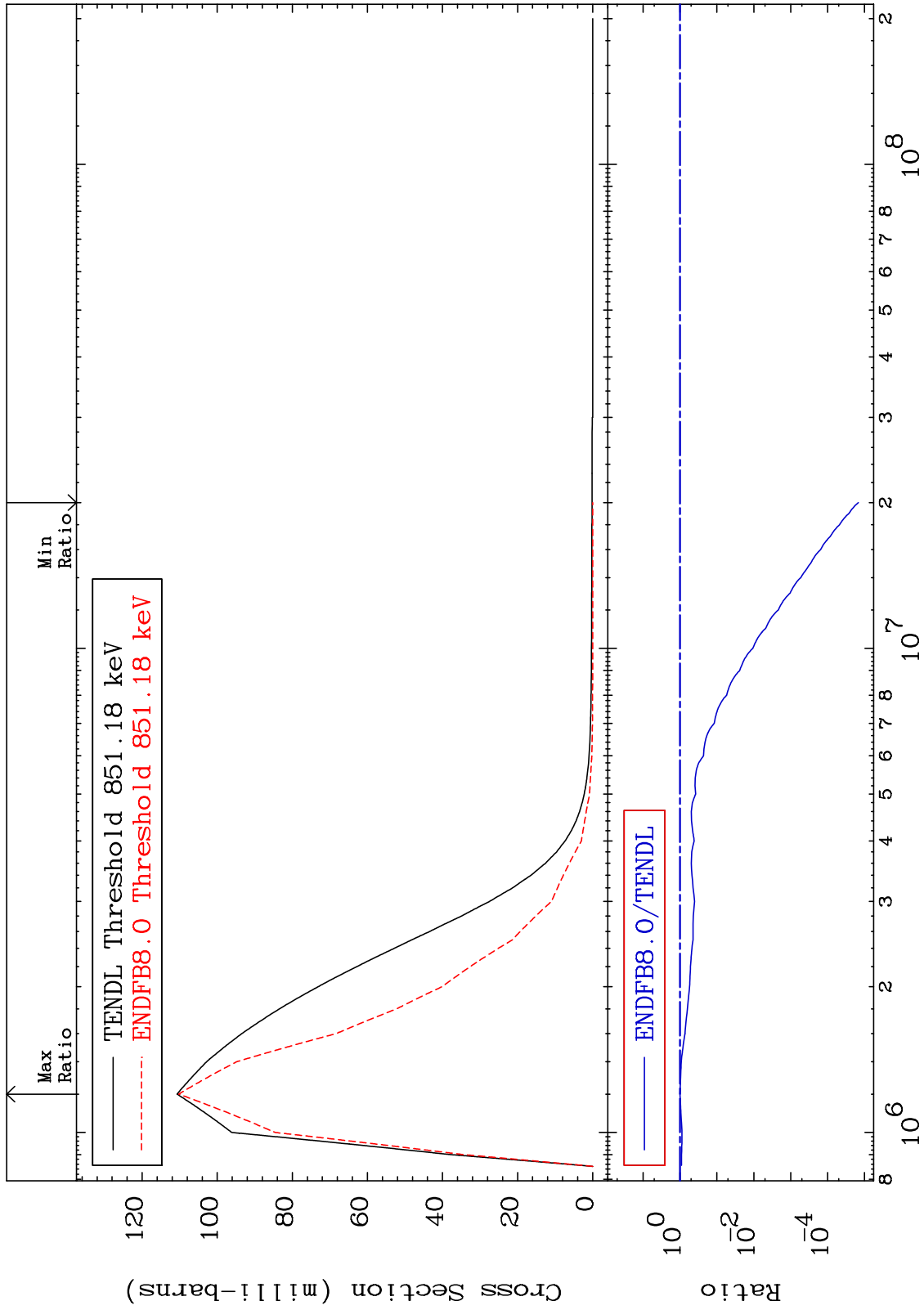


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Incident Energy (eV)

44-Ru-101

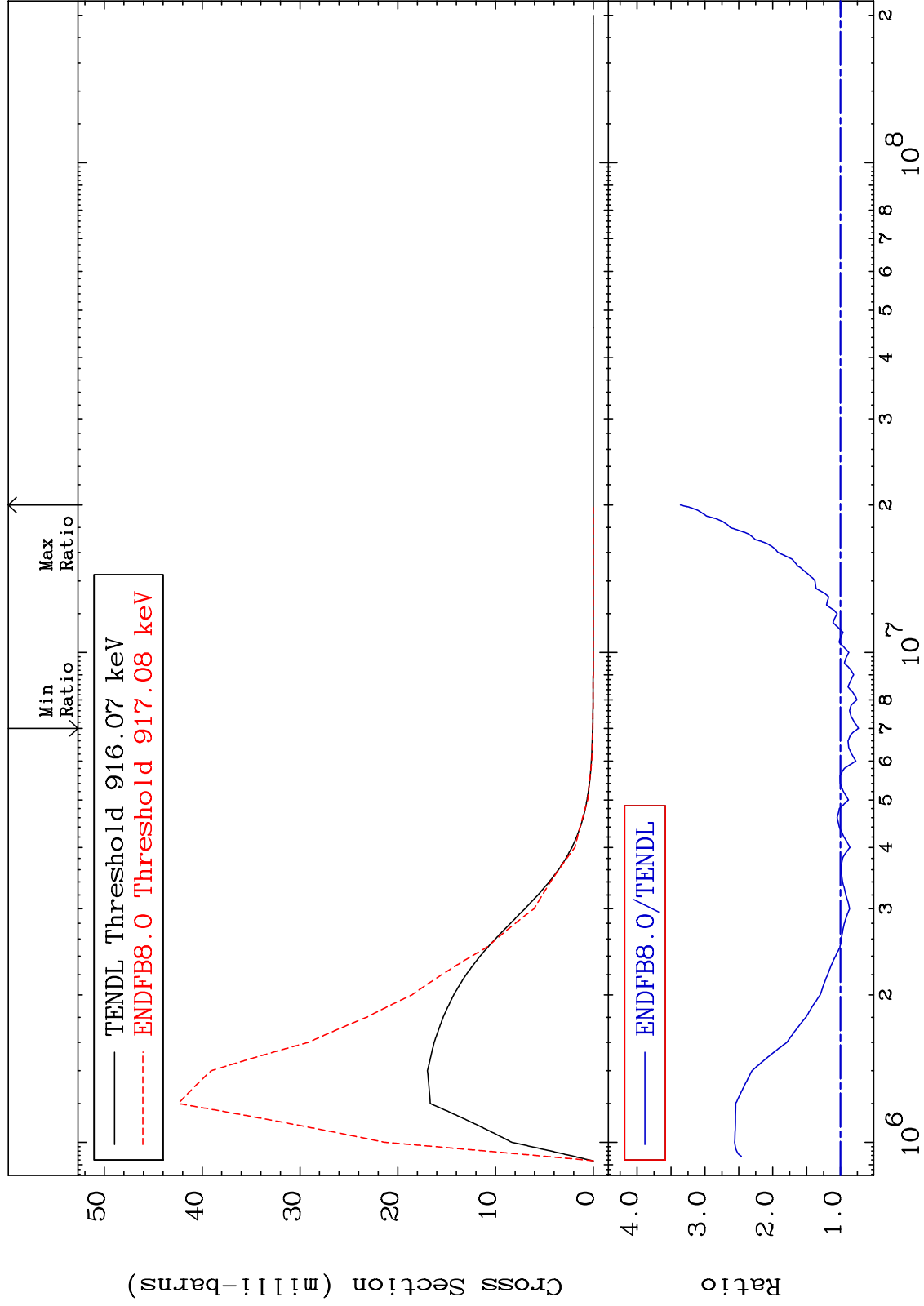
MAT 4440 MT= 68 (n,n') Level Cross Section 44-Ru-101 -100.0 To -0.395%



MAT 4440

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

44-Ru-101
-26.59 To 236.1 %



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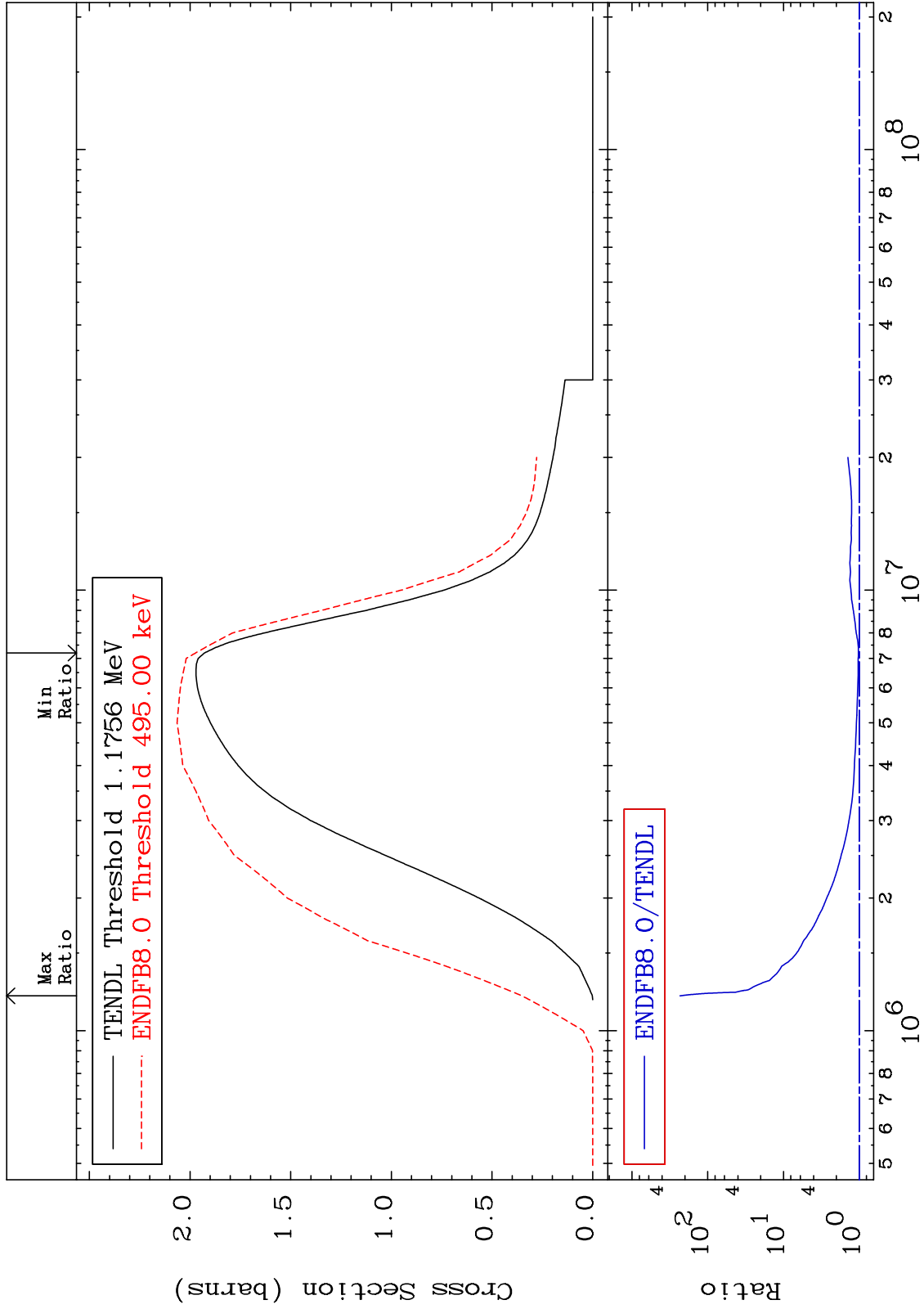
Incident Energy (eV)

44-Ru-101

MAT 4440

(n,n') Continuum
Cross Section

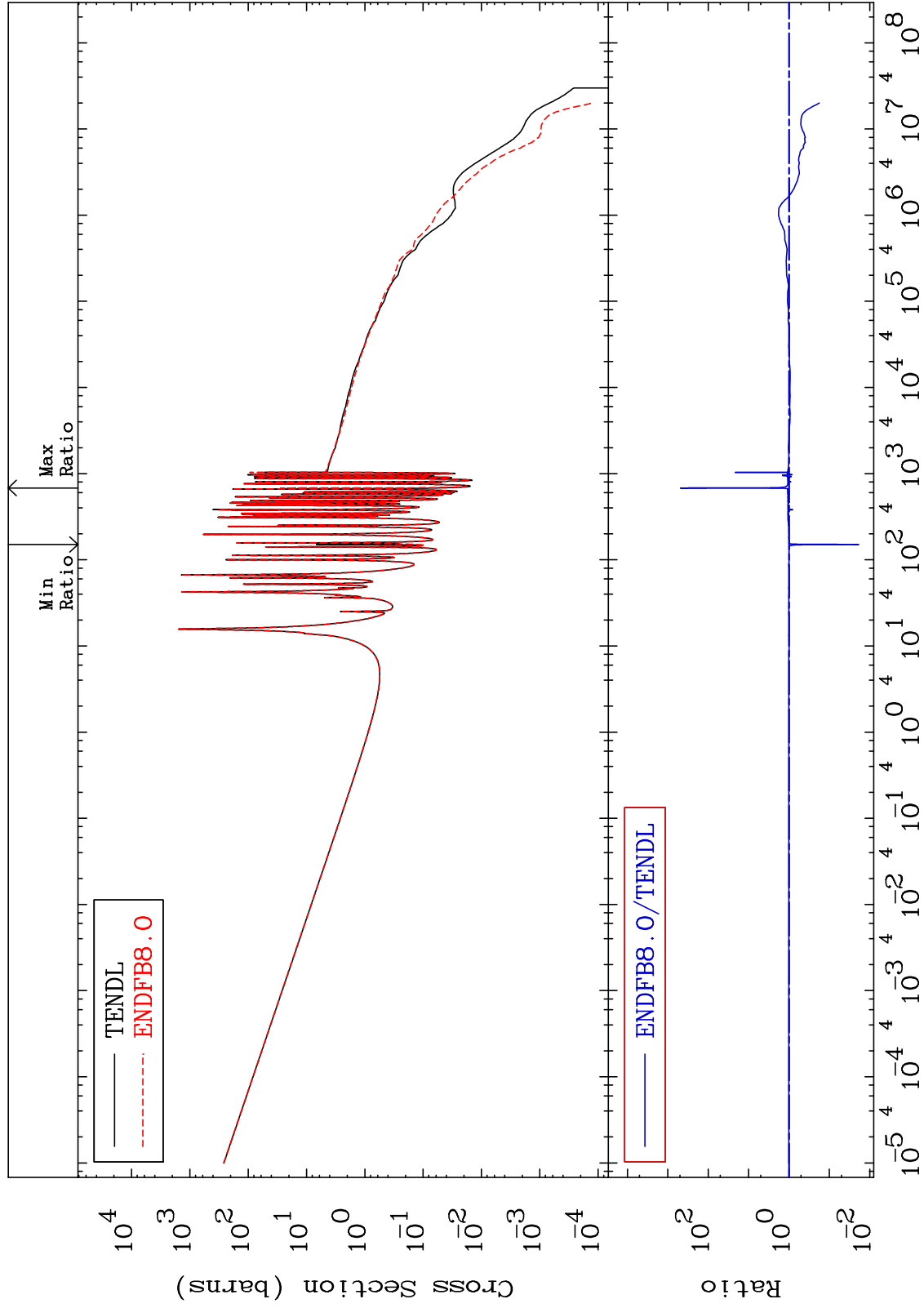
44-Ru-101
2.307 To 9999. %



MAT 4440

(n, γ)
Cross Section

44-Ru-101
-98.11 To 9999. %



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44-Ru-101

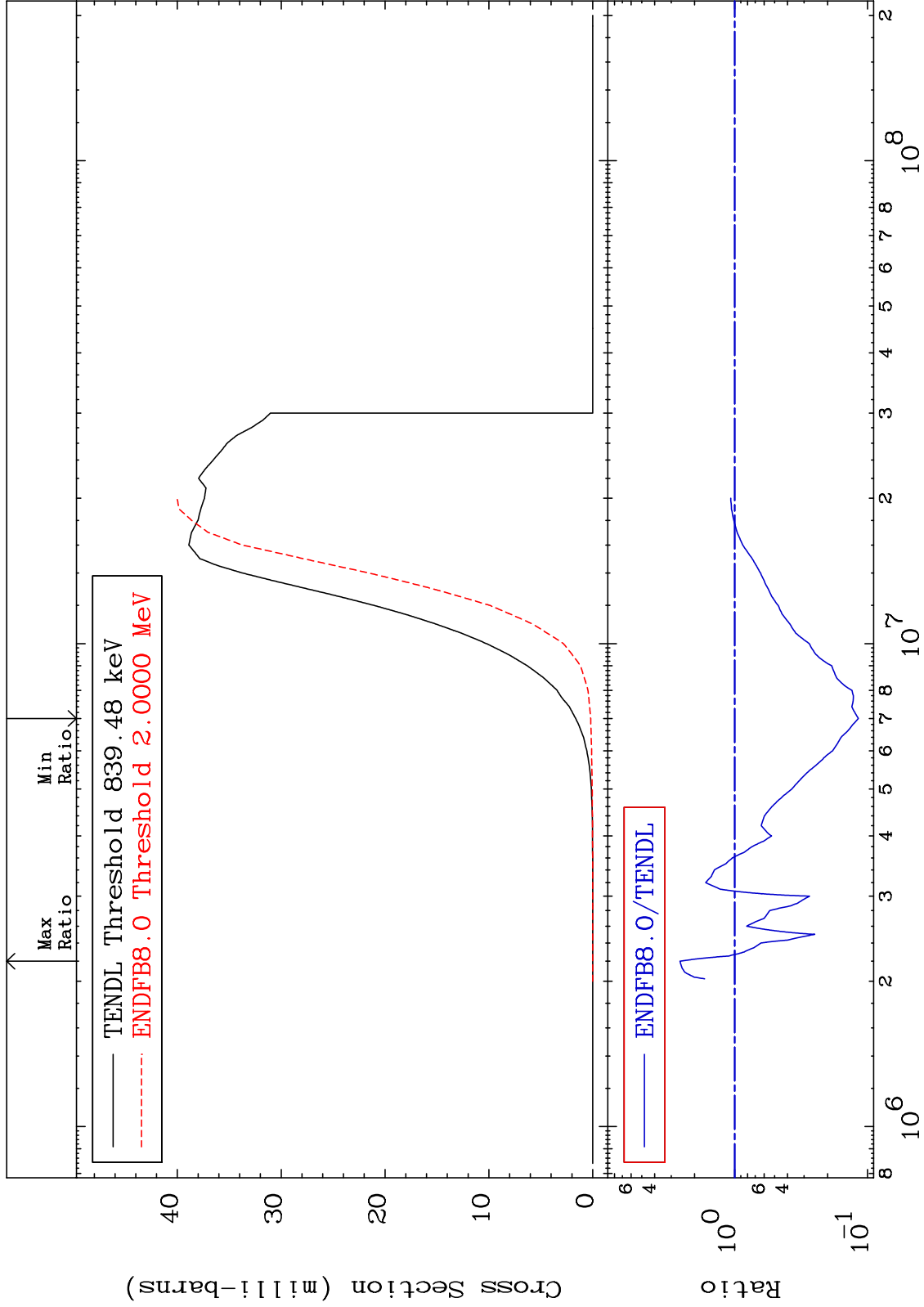
MAT 4440

(n, p)

44-Ru-101

Cross Section

-88.29 To 157.5 %



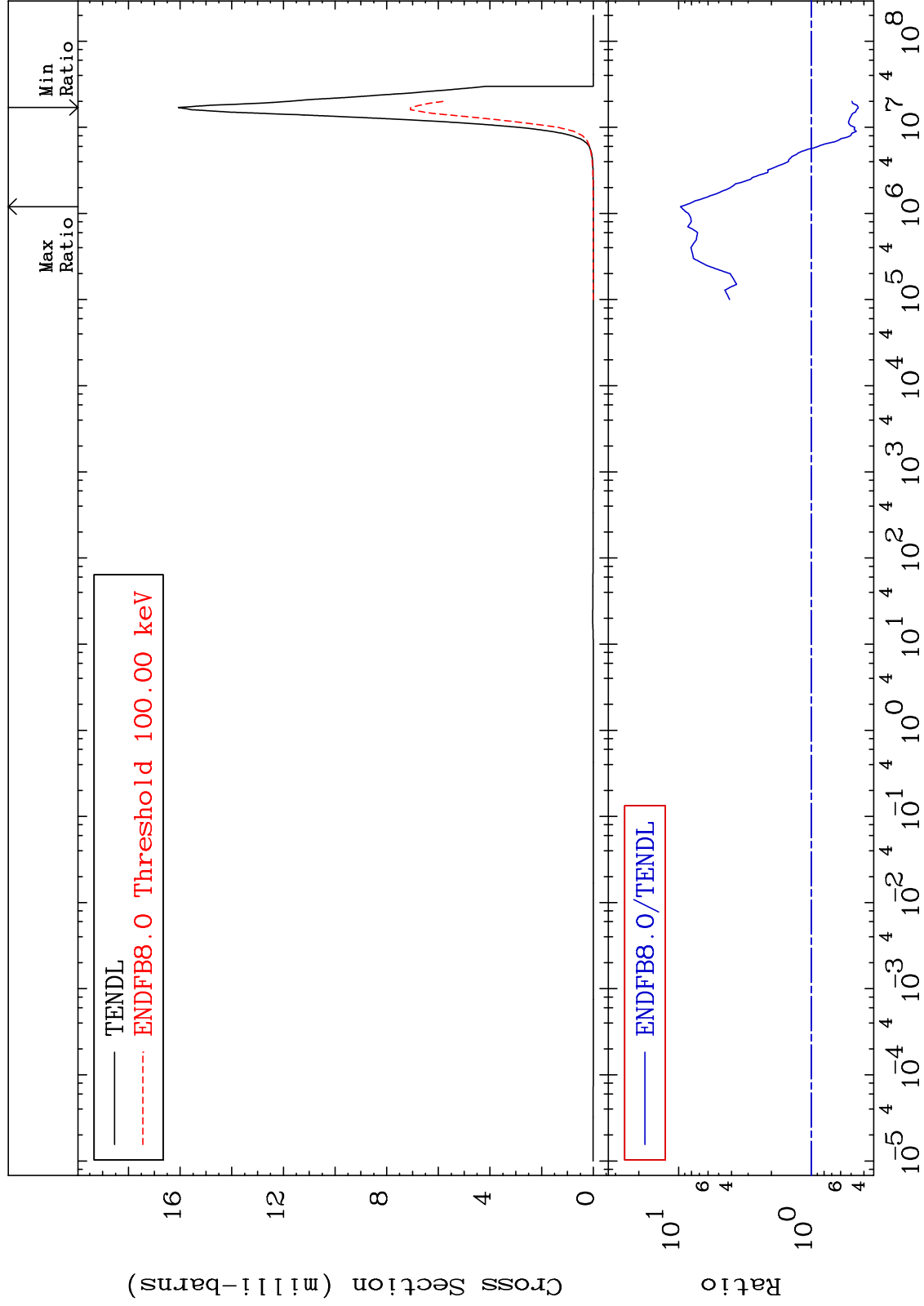
MAT 4440

(n, α)

44-Ru-101

Cross Section

-56.01 To 869.9 %



32

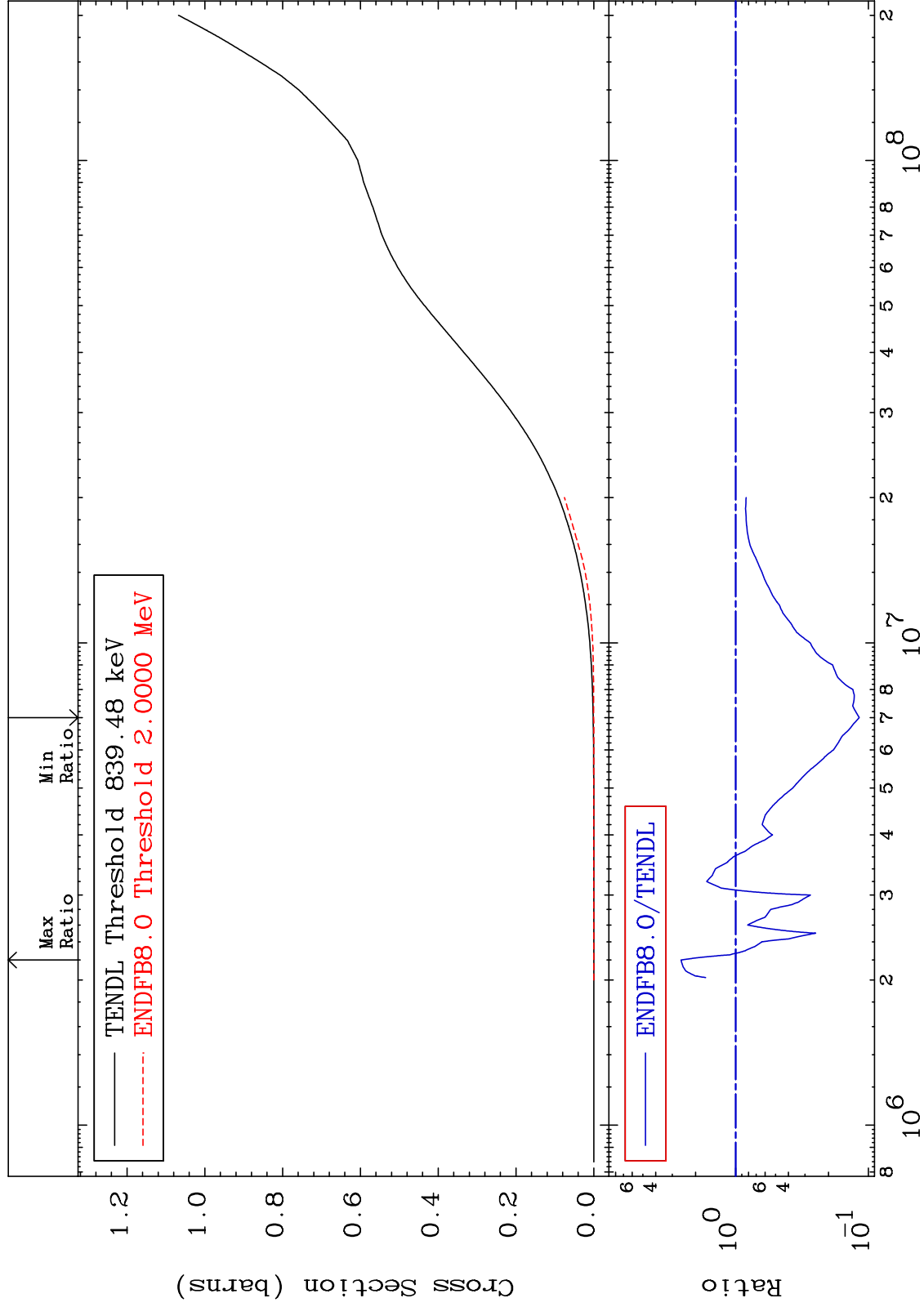
Incident Energy (eV)

44-Ru-101

MAT 4440

Hydrogen Production
Cross Section

44-Ru-101
-88.29 To 157.5 %



33

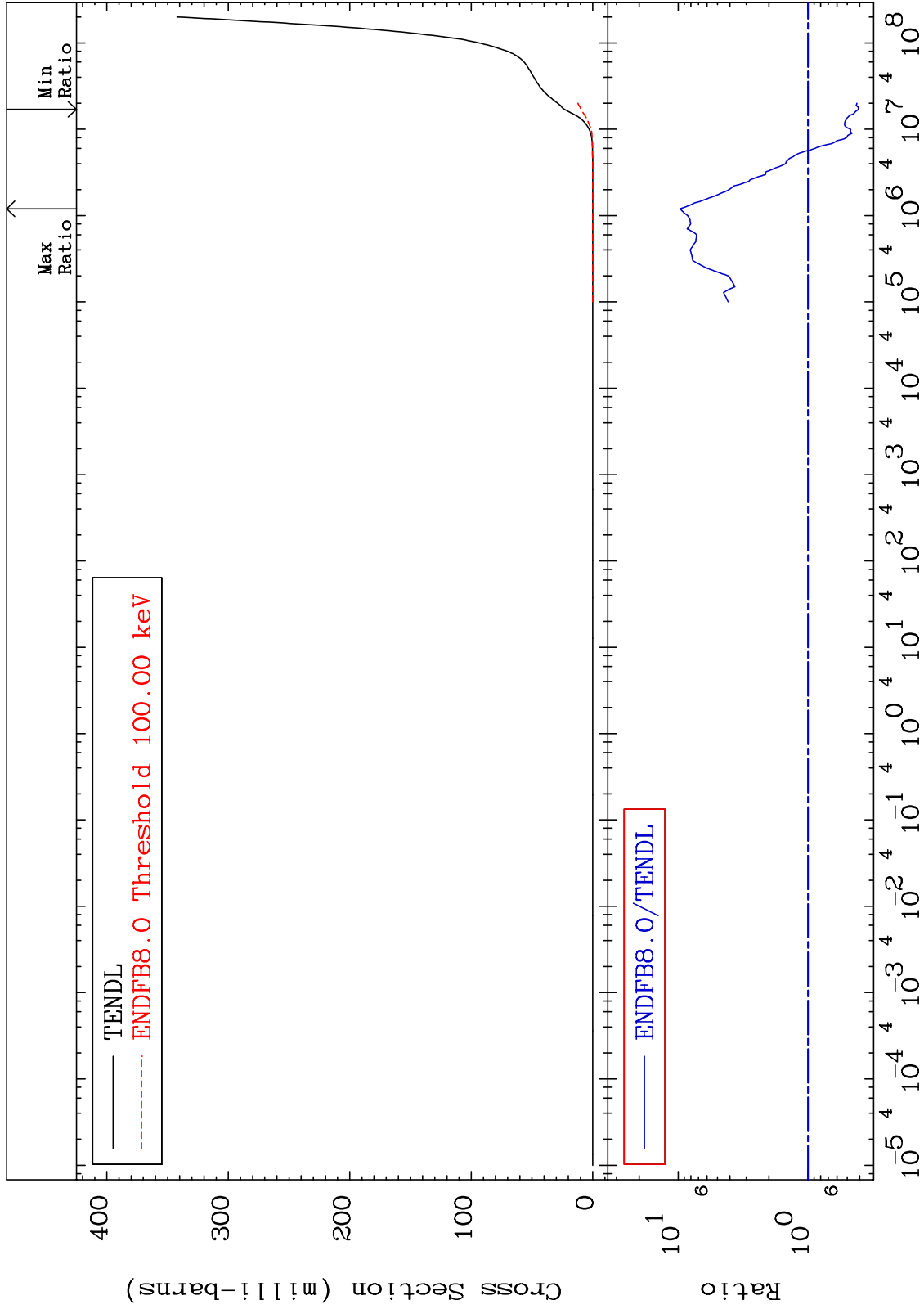
Incident Energy (eV)

44-Ru-101

MAT 4440

He-4 Production
Cross Section

44-Ru-101
-59.05 To 869.9 %



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Incident Energy (eV)

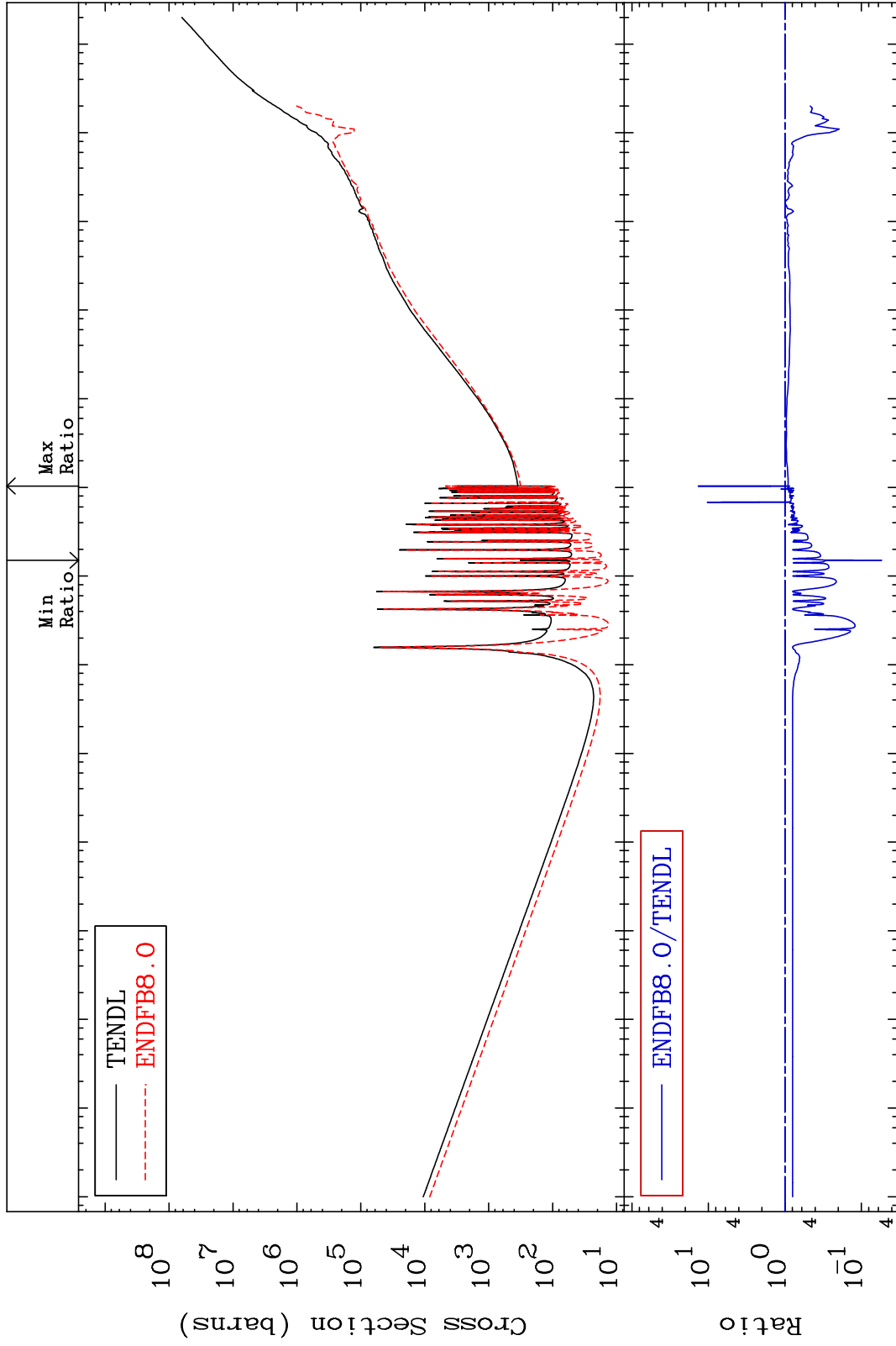
44-Ru-101

MAT 4440

Kerma total (eV-barns)
Cross Section

44-Ru-101

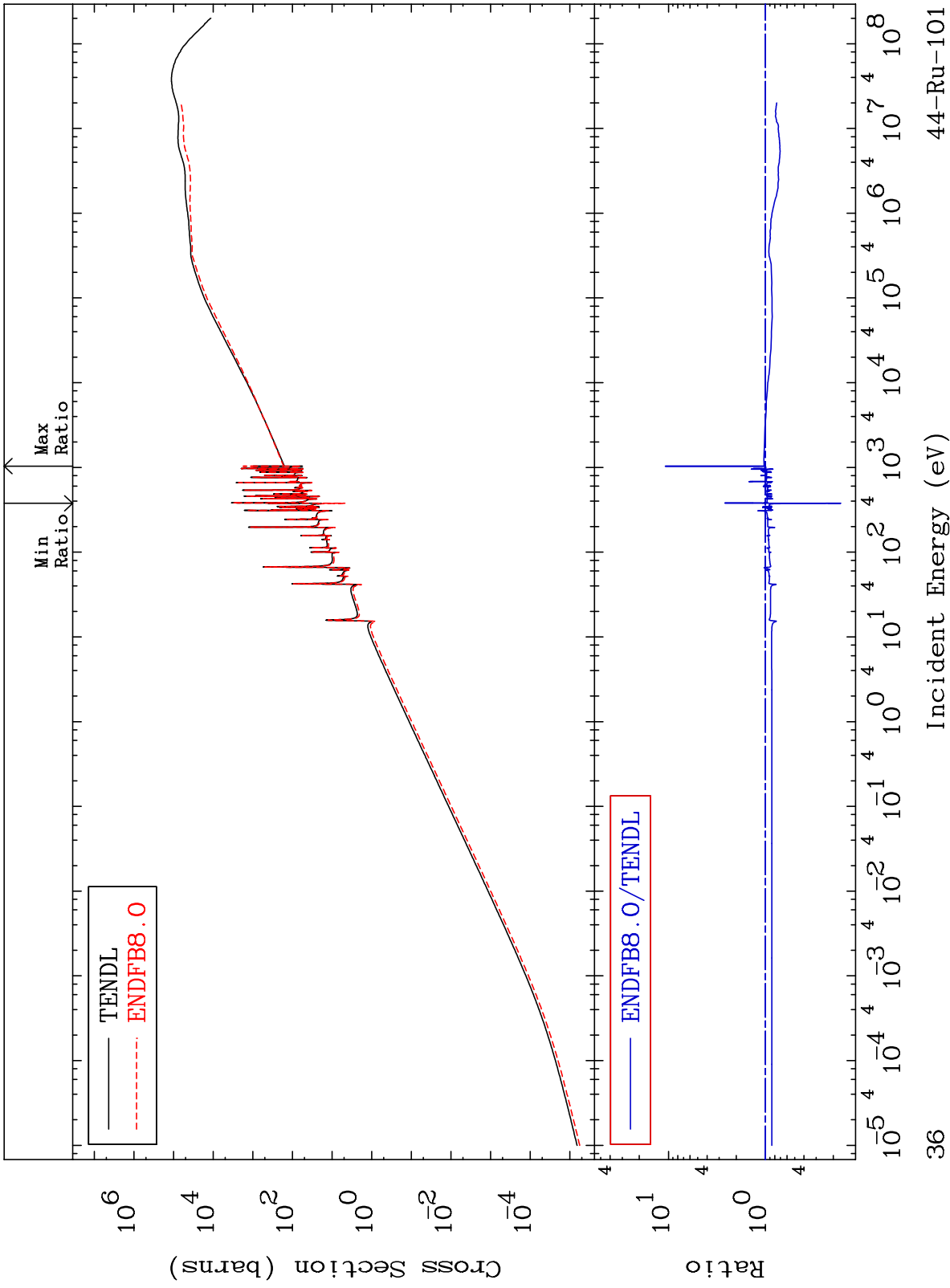
-94.56 To 1252. %



MAT 4440

Kerma elastic
Cross Section

44-Ru-101
-83.23 To 975.6 %



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Incident Energy (eV)

44-Ru-101

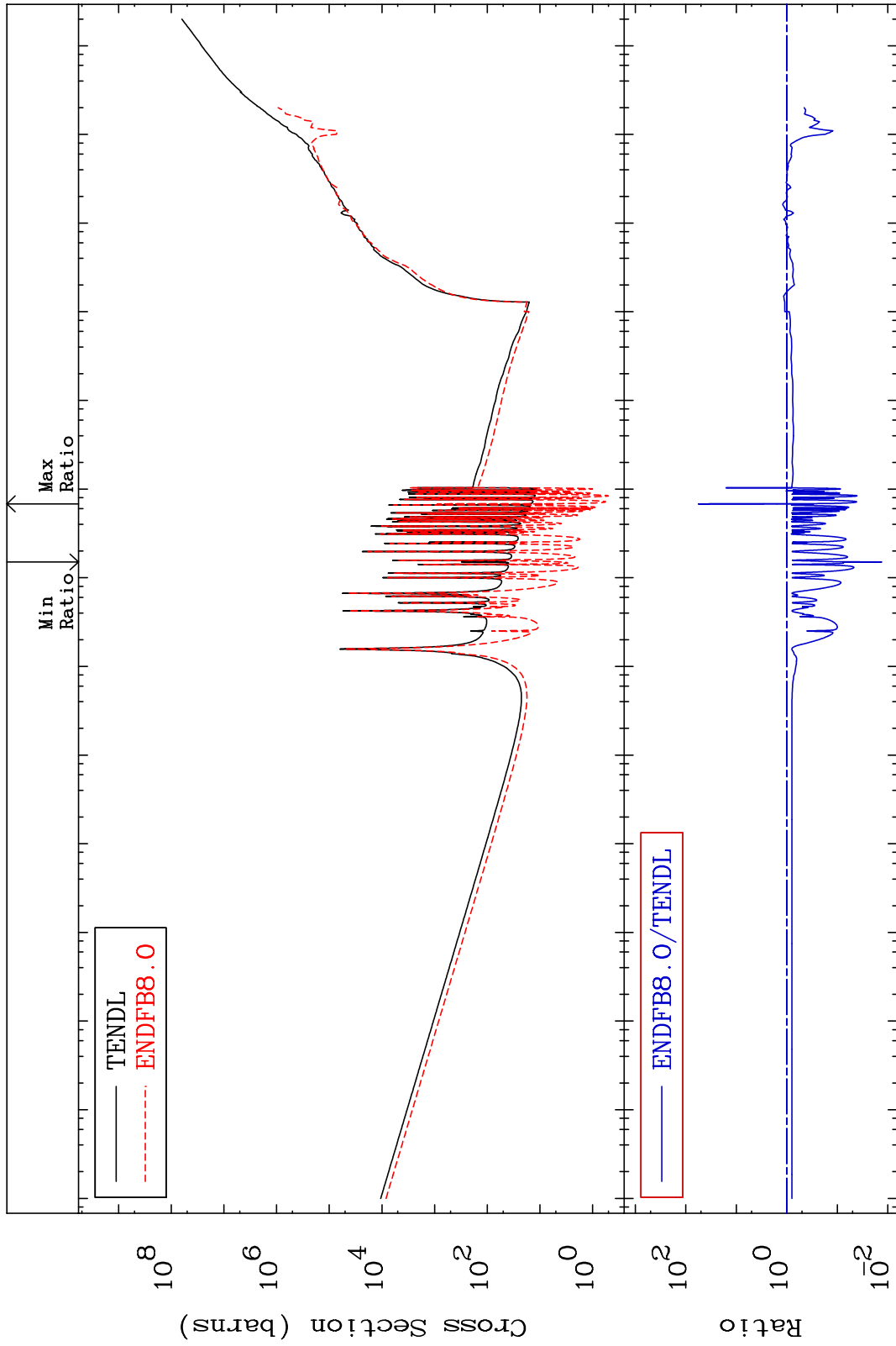
MAT 4440

Kerma non-elastic (all but mt2)

44-Ru-101

-98.67 To 5552. %

Cross Section



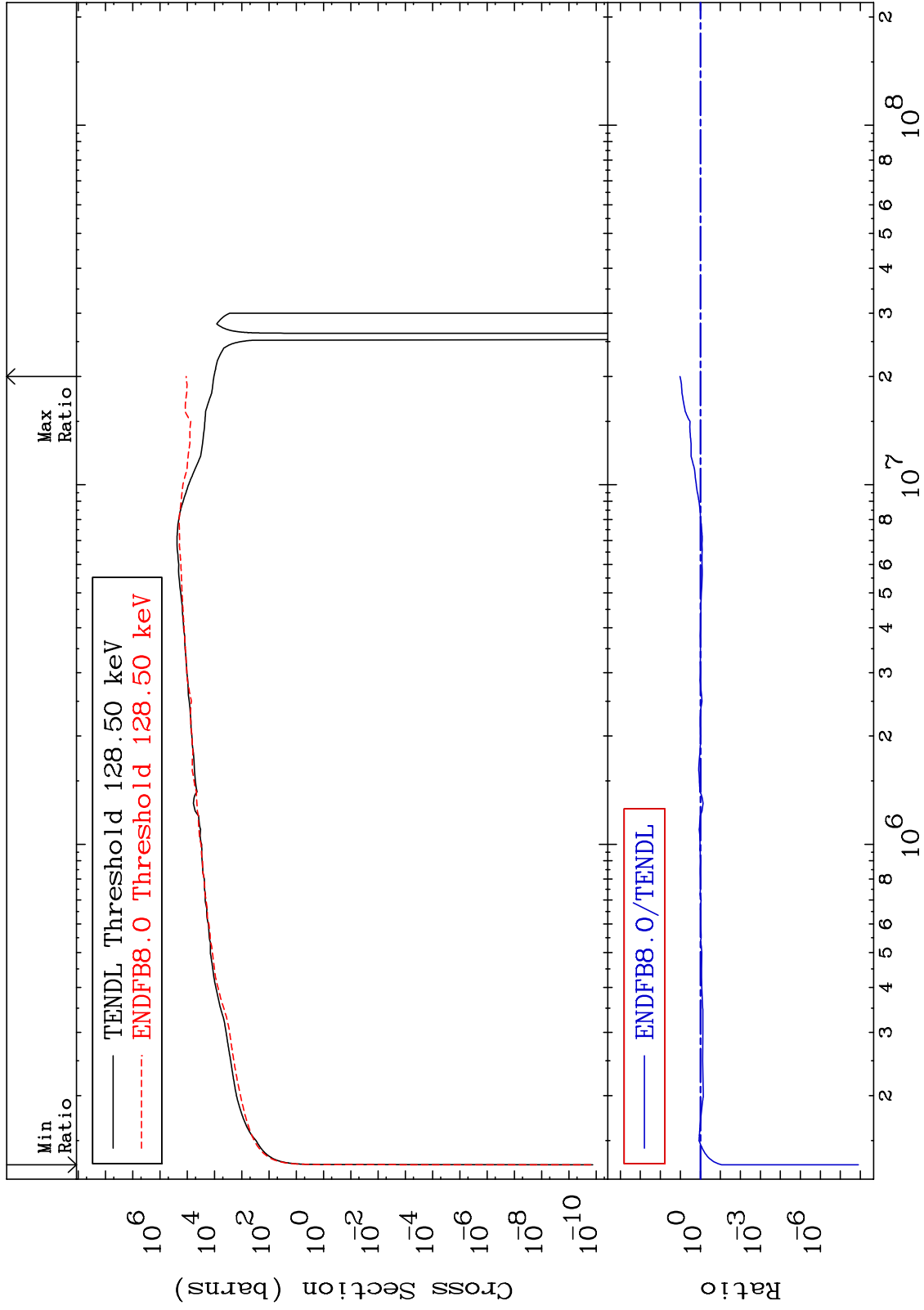
Incident Energy (eV)

44-Ru-101

MAT 4440

Kerma inelastic (mt51-91)
Cross Section

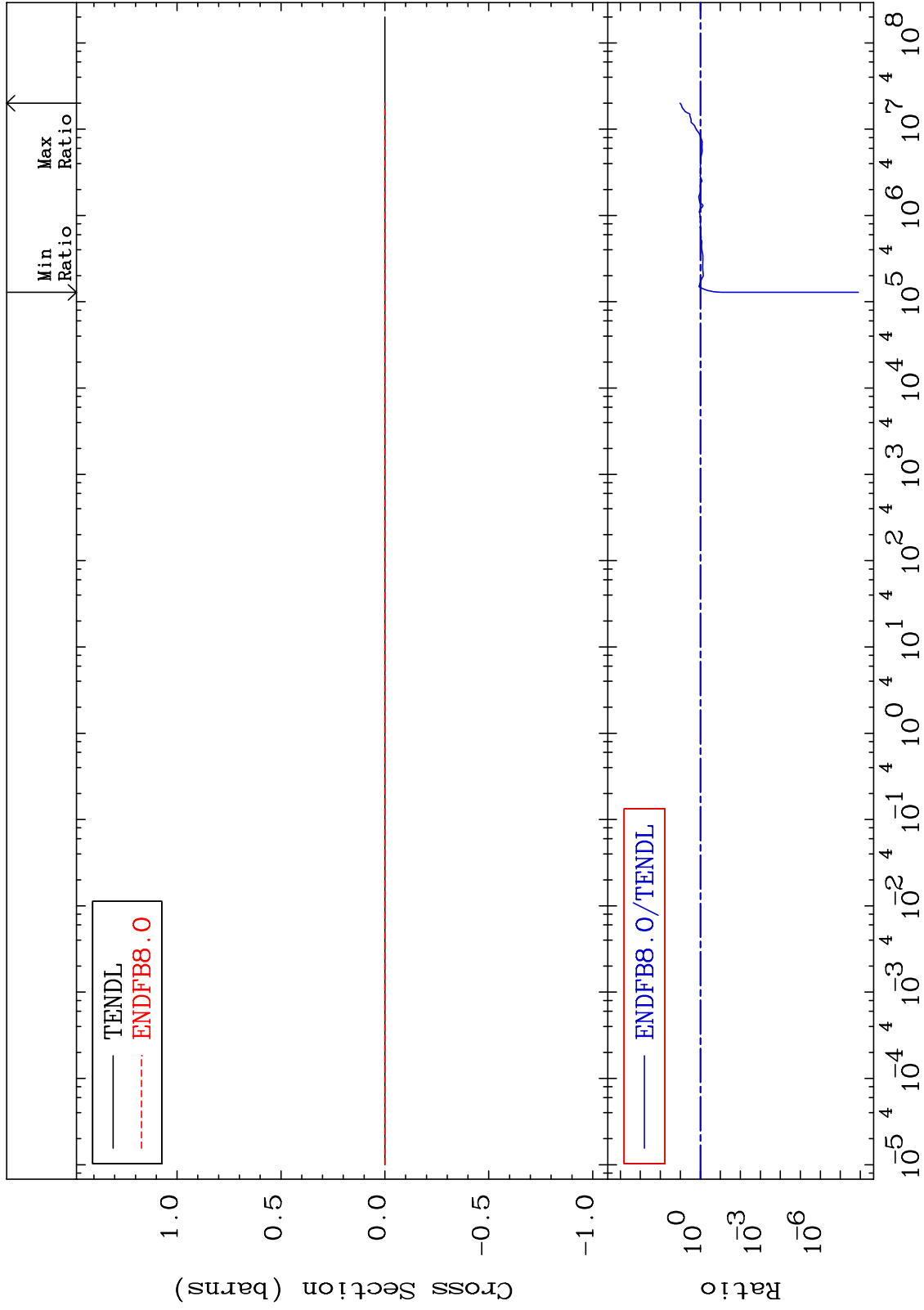
44-Ru-101
-100.0 To 939.4 %



MAT 4440

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

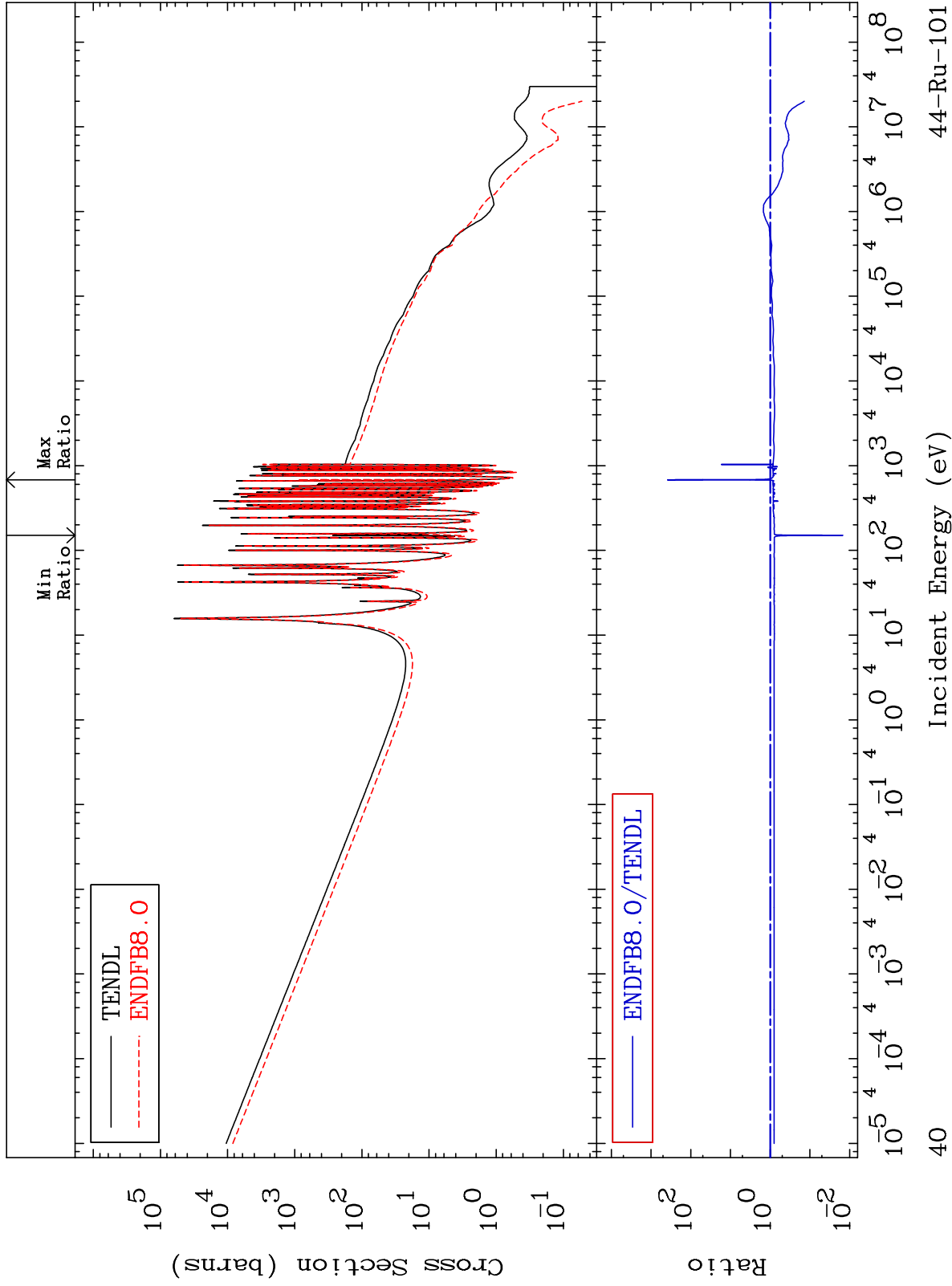
44-Ru-101
-100.0 To 939.4 %



MAT 4440

Kerma capture (mt102)
Cross Section

44-Ru-101
-98.50 To 9999. %



40

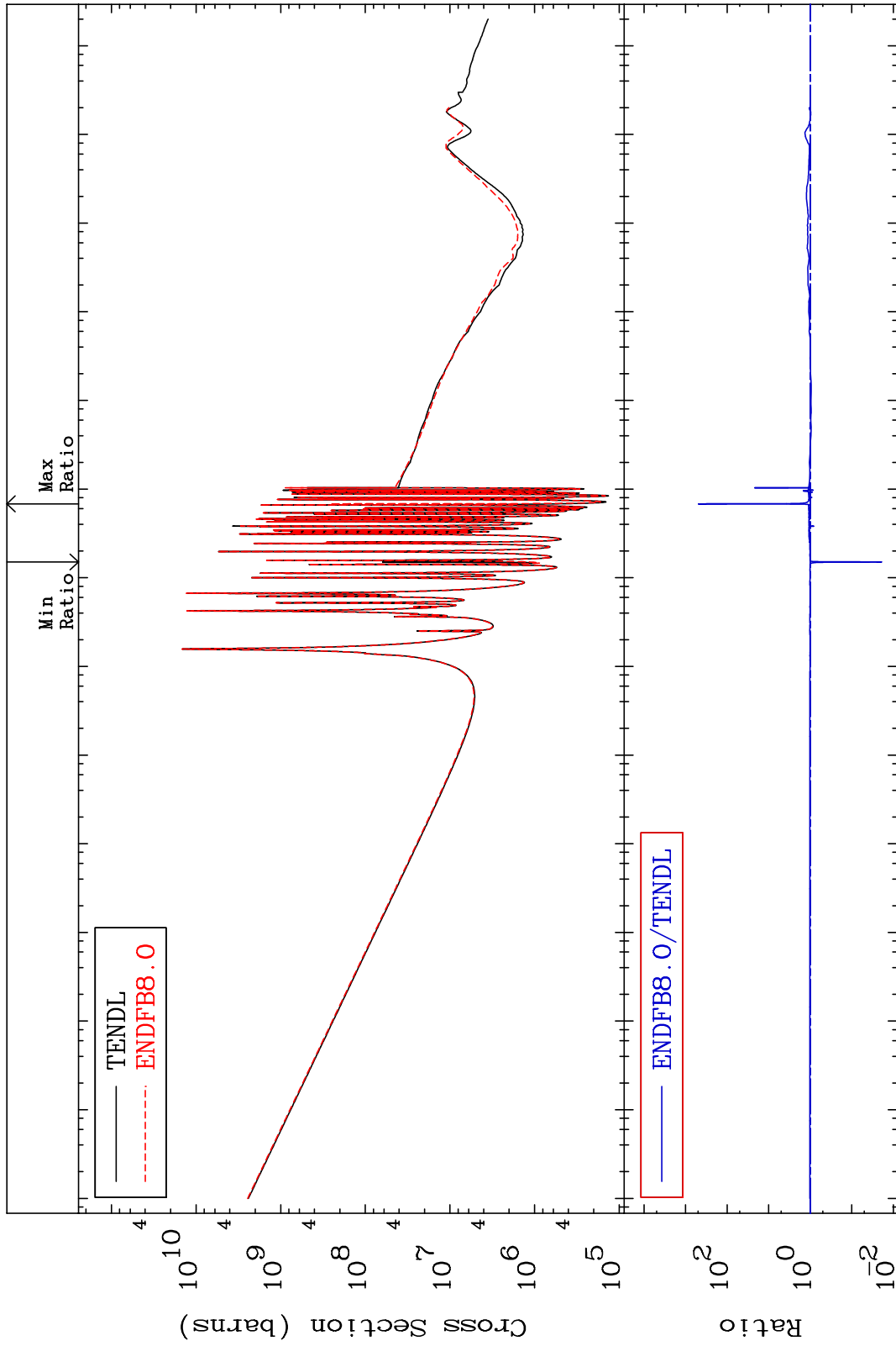
Incident Energy (eV)

44-Ru-101

MAT 4440

Total photon (eV-barns)
Cross Section

44-Ru-101
-98.08 To 9999. %

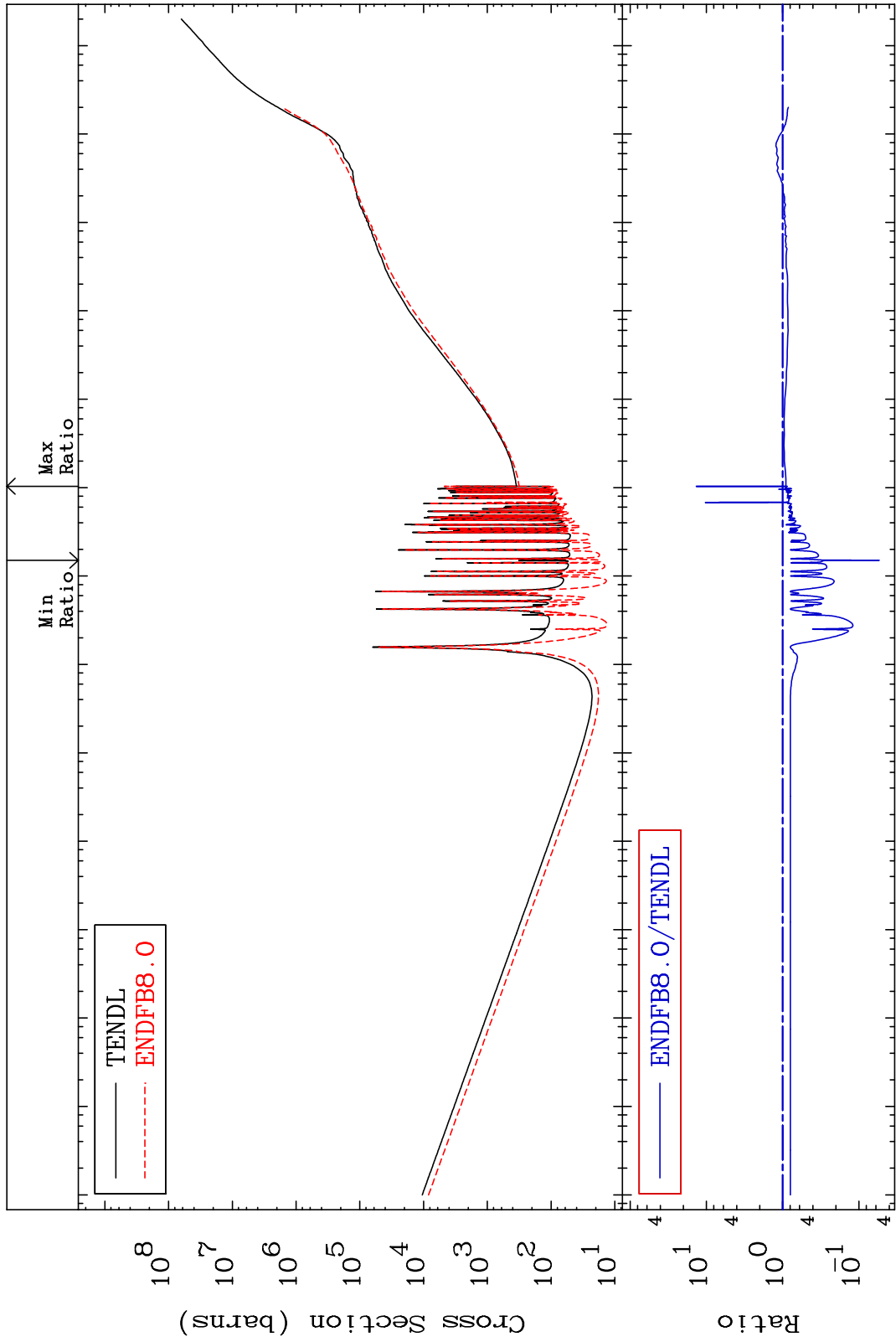


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Incident Energy (eV)

44-Ru-101

MAT 4440 Total kinematic kerma (high limit) 44-Ru-101
 Cross Section -94.56 To 1252. %



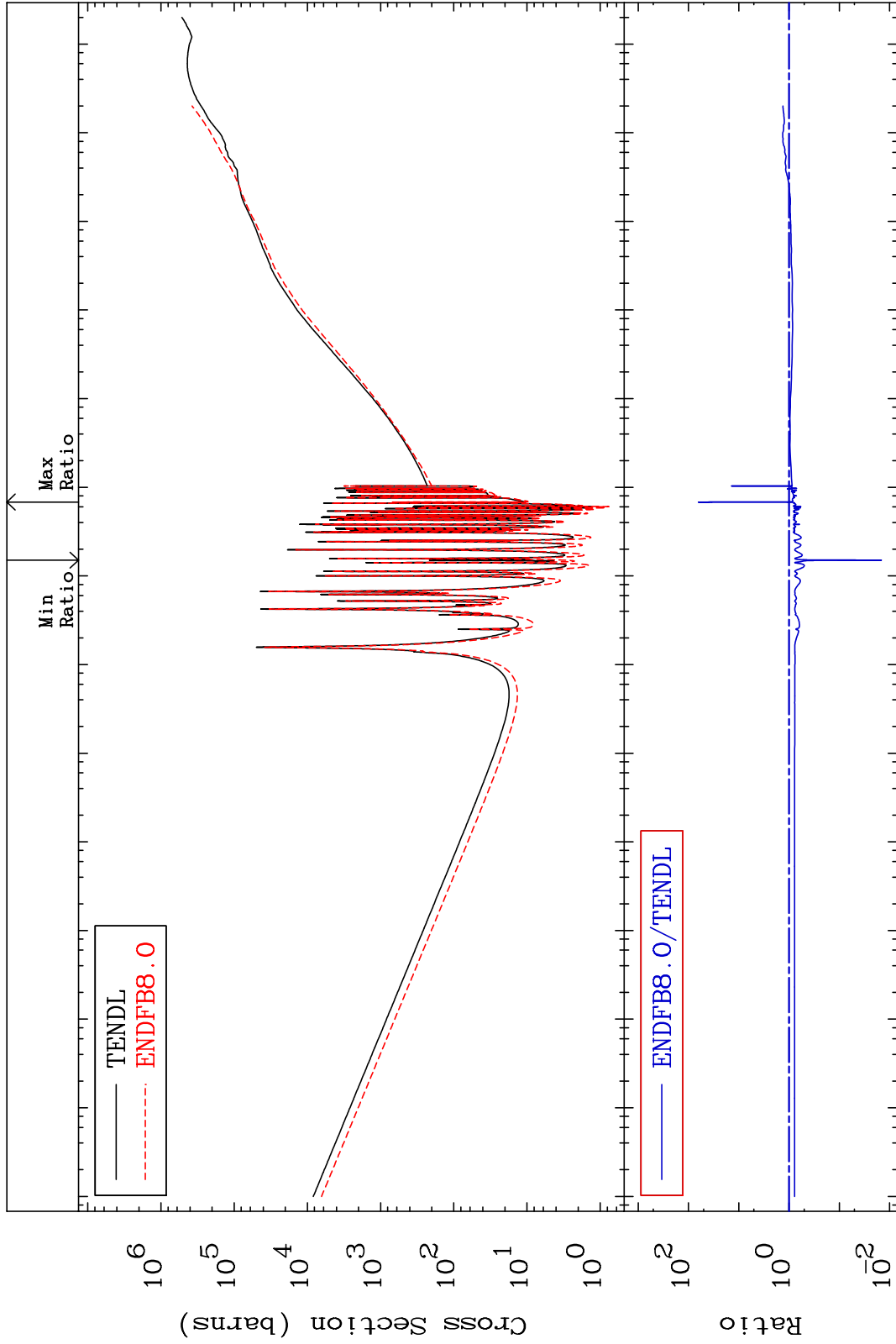
MAT 4440

Dpa total (eV-barns)

44-Ru-101

-98.55 To 6255. %

Cross Section



Incident Energy (eV)

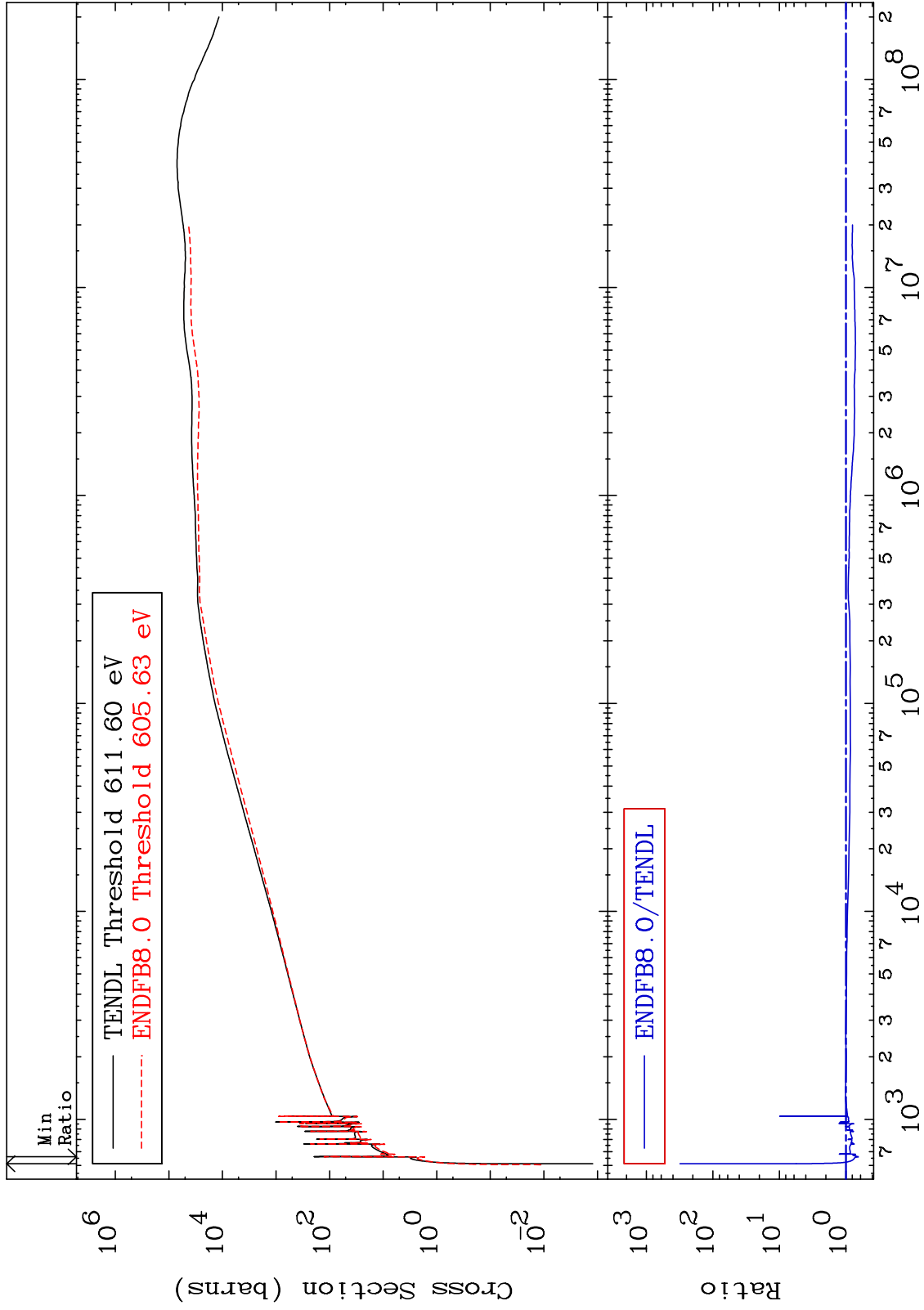
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44-Ru-101

MAT 4440

Dpa elastic (mt2)
Cross Section

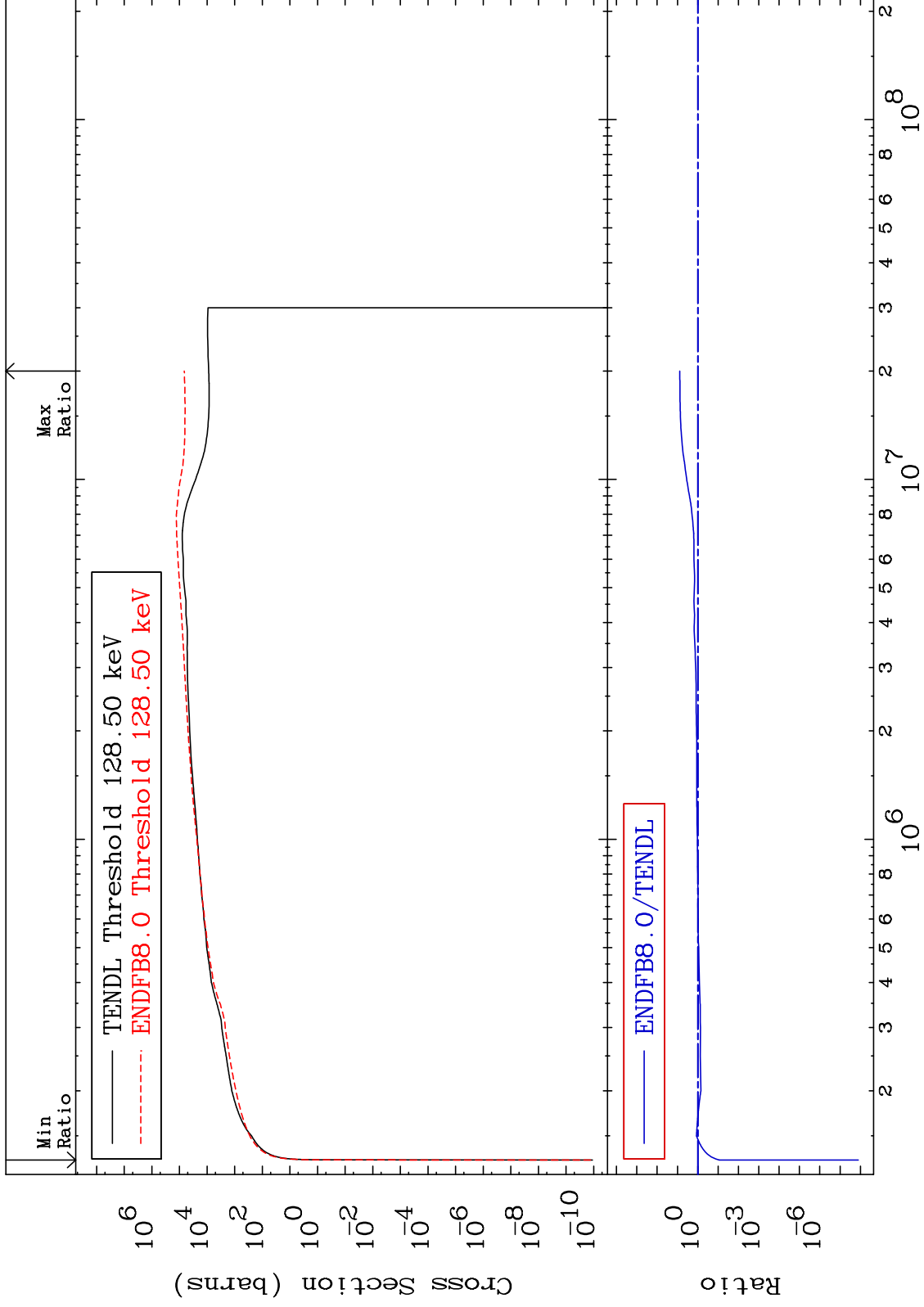
44-Ru-101
-35.30 To 9999. %



MAT 4440

Dpa inelastic (mt51-91)
Cross Section

44-Ru-101
-100.0 To 666.5 %



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Incident Energy (eV)

44-Ru-101

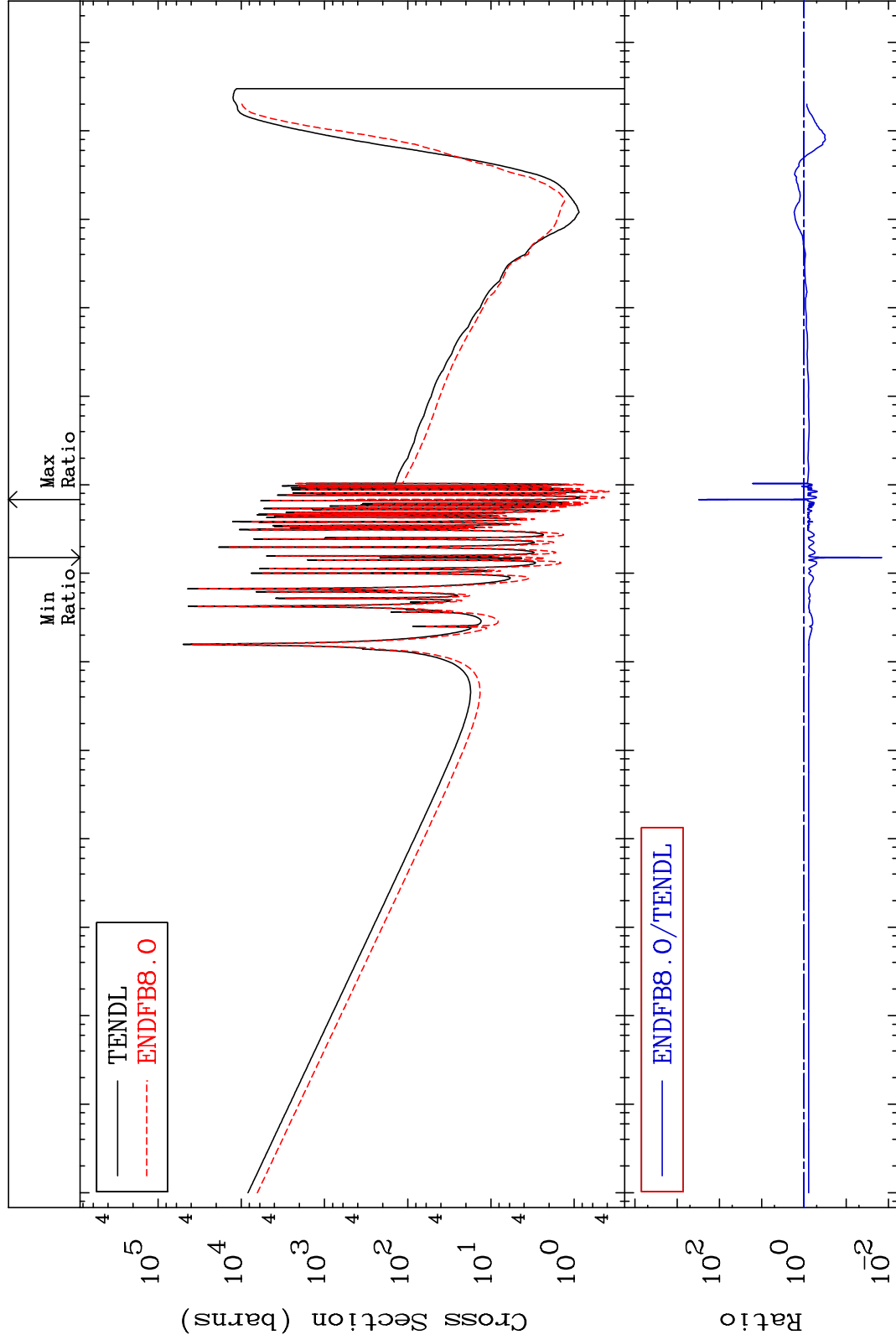
MAT 4440

Dpa disappearance (mt102 -120)

44-Ru-101

-98.55 To 9999. %

Cross Section



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Incident Energy (eV)

44-Ru-101