

Program Complot
(Version 2018-1)

by

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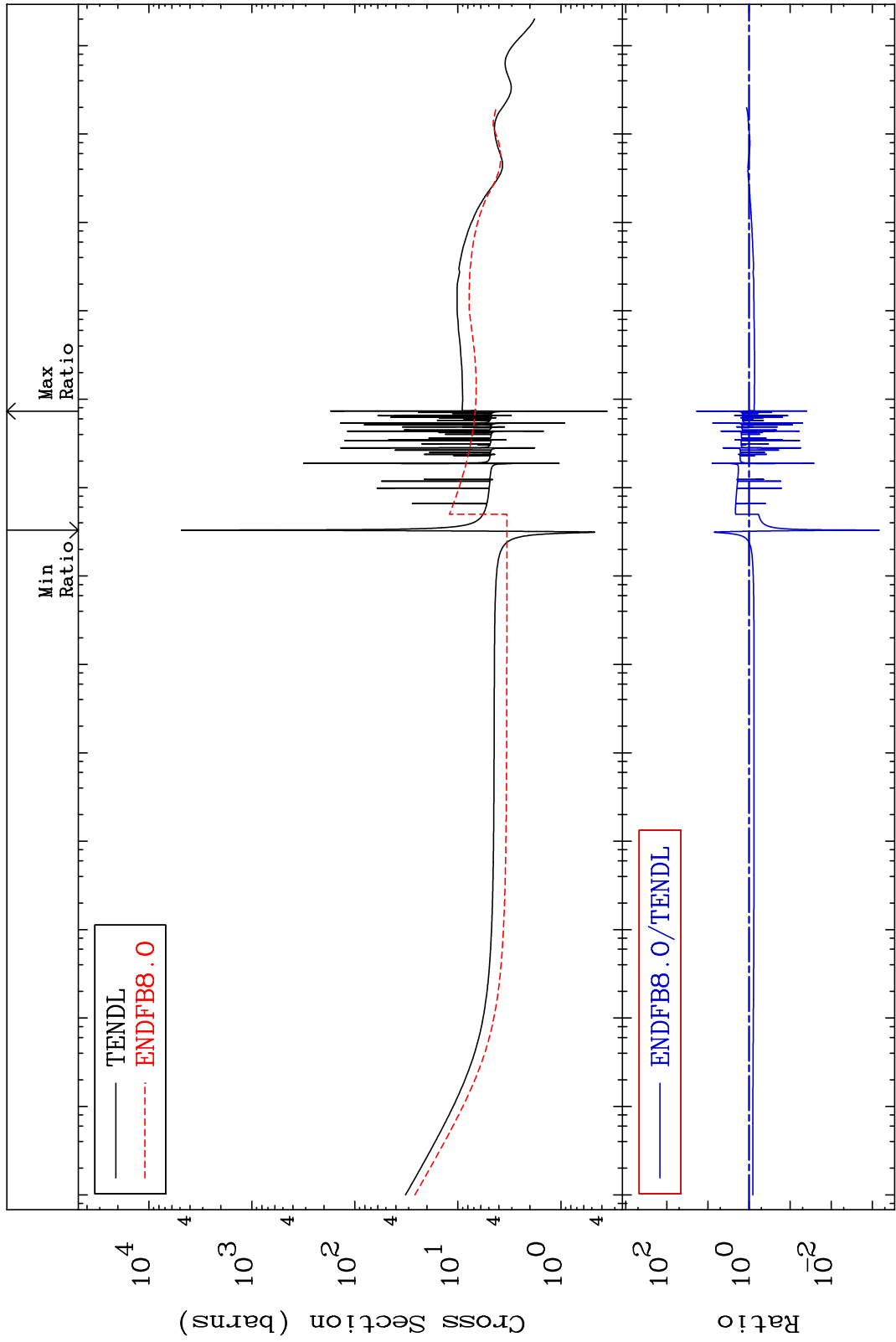
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4455 44-Ru-106 -99.93 To 1805. %
Total Cross Section



44-Ru-106

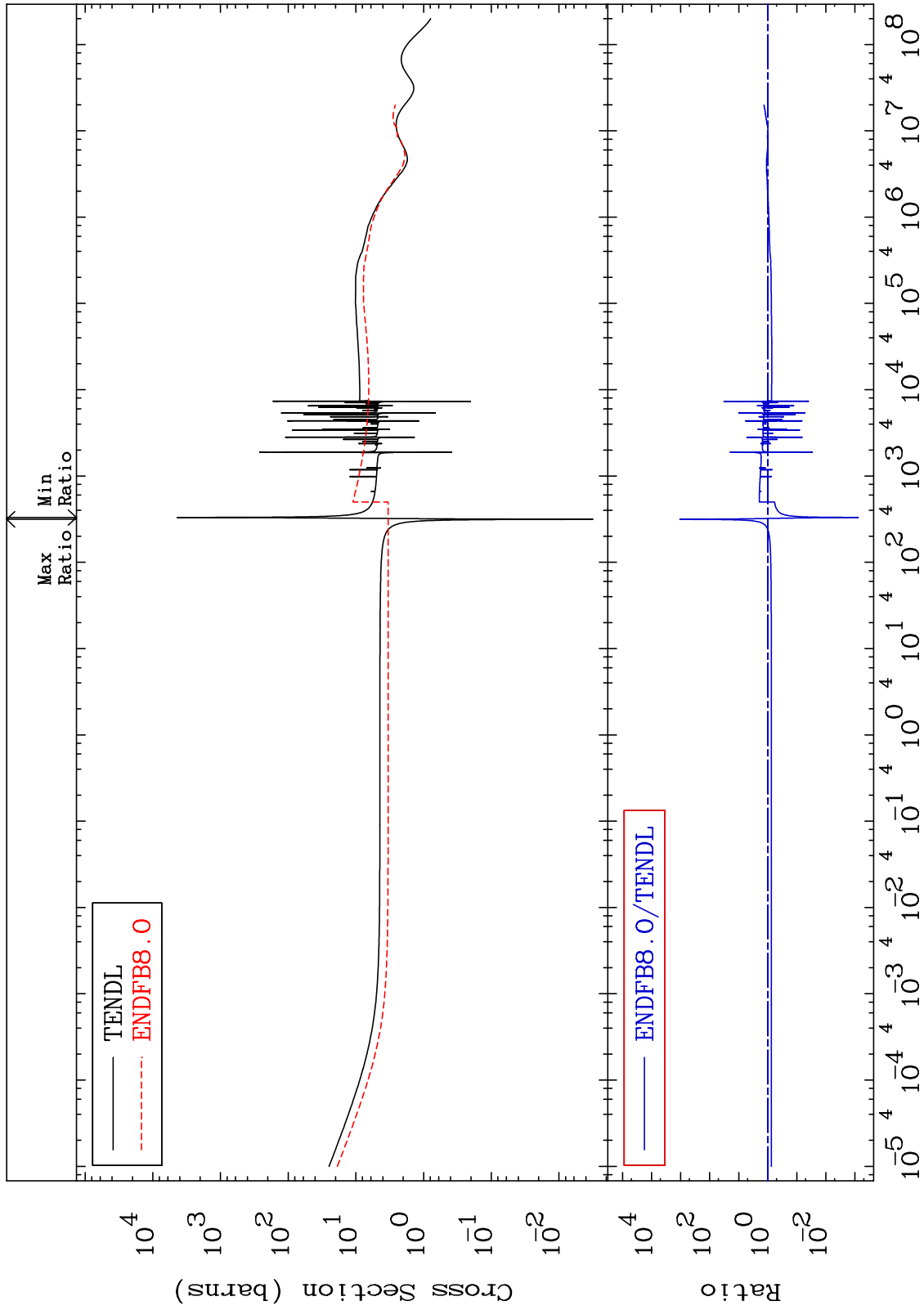
MAT 4455

Elastic

44-Ru-106

Cross Section

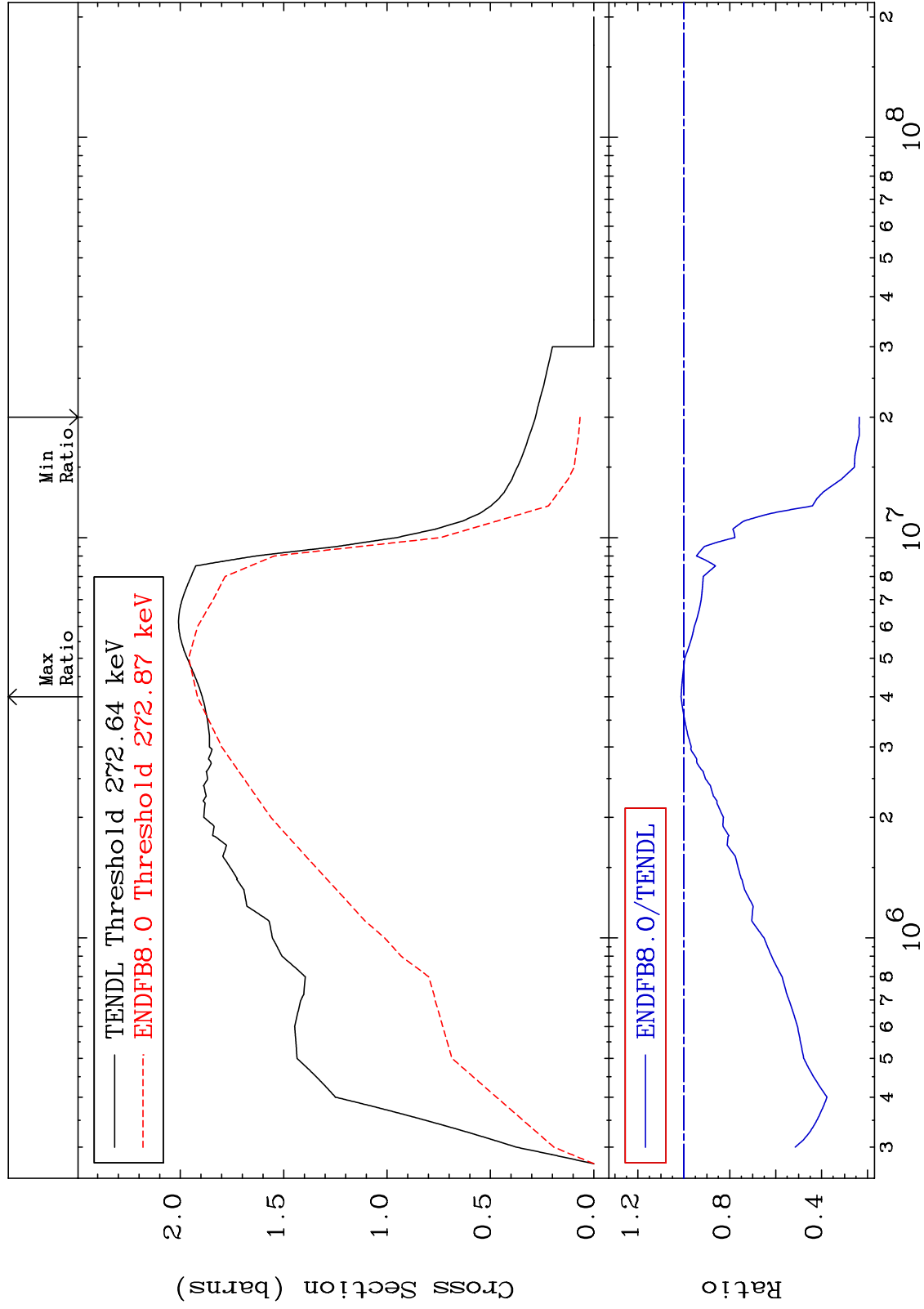
-99.92 To 9999. %



MAT 4455

Inelastic
Cross Section

44-Ru-106
-76.41 To 1.222 %

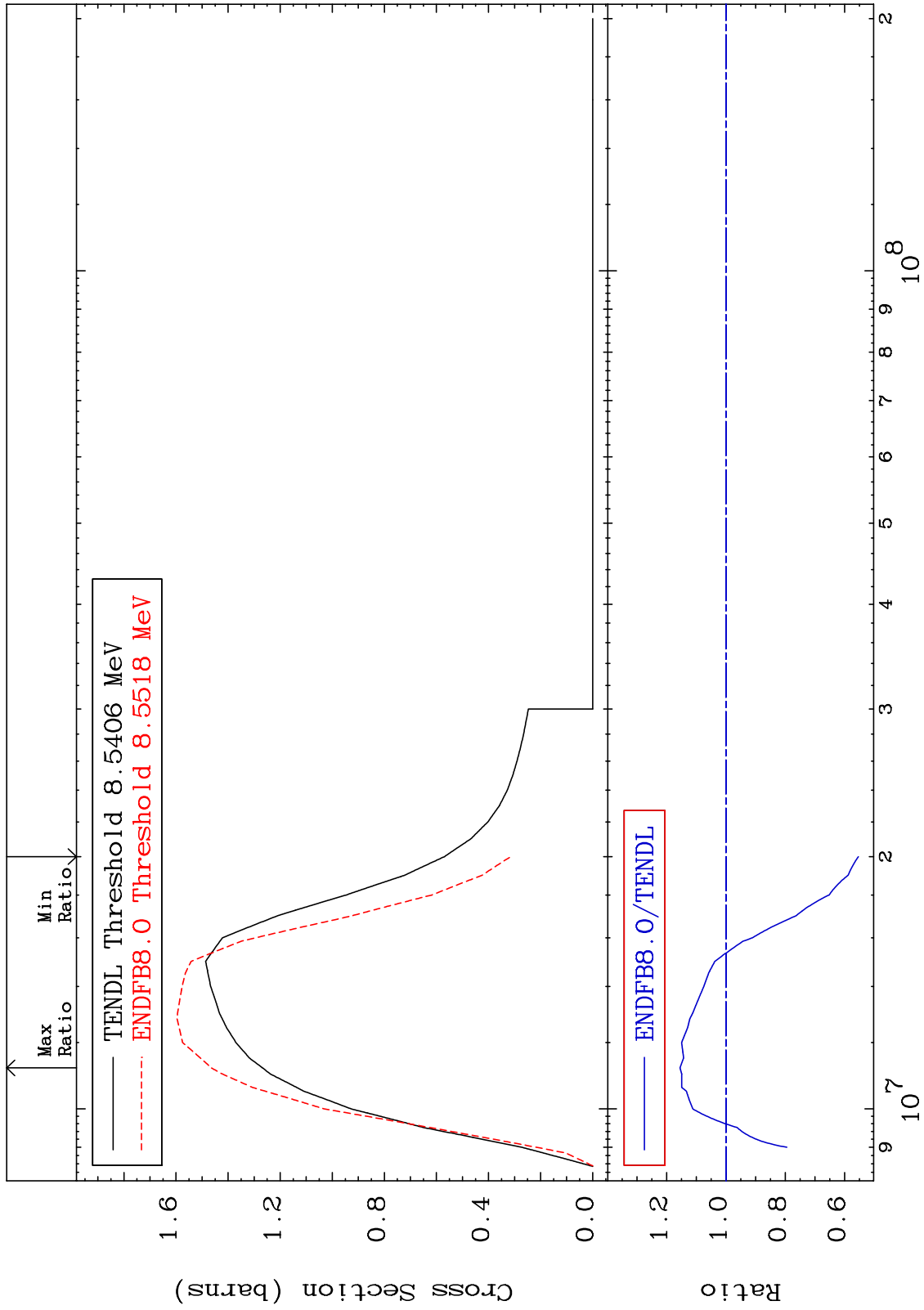


3

Incident Energy (eV)

44-Ru-106

MAT 4455 (n,2n) Cross Section 44-Ru-106 -44.66 To 15.50 %



MAT 4455

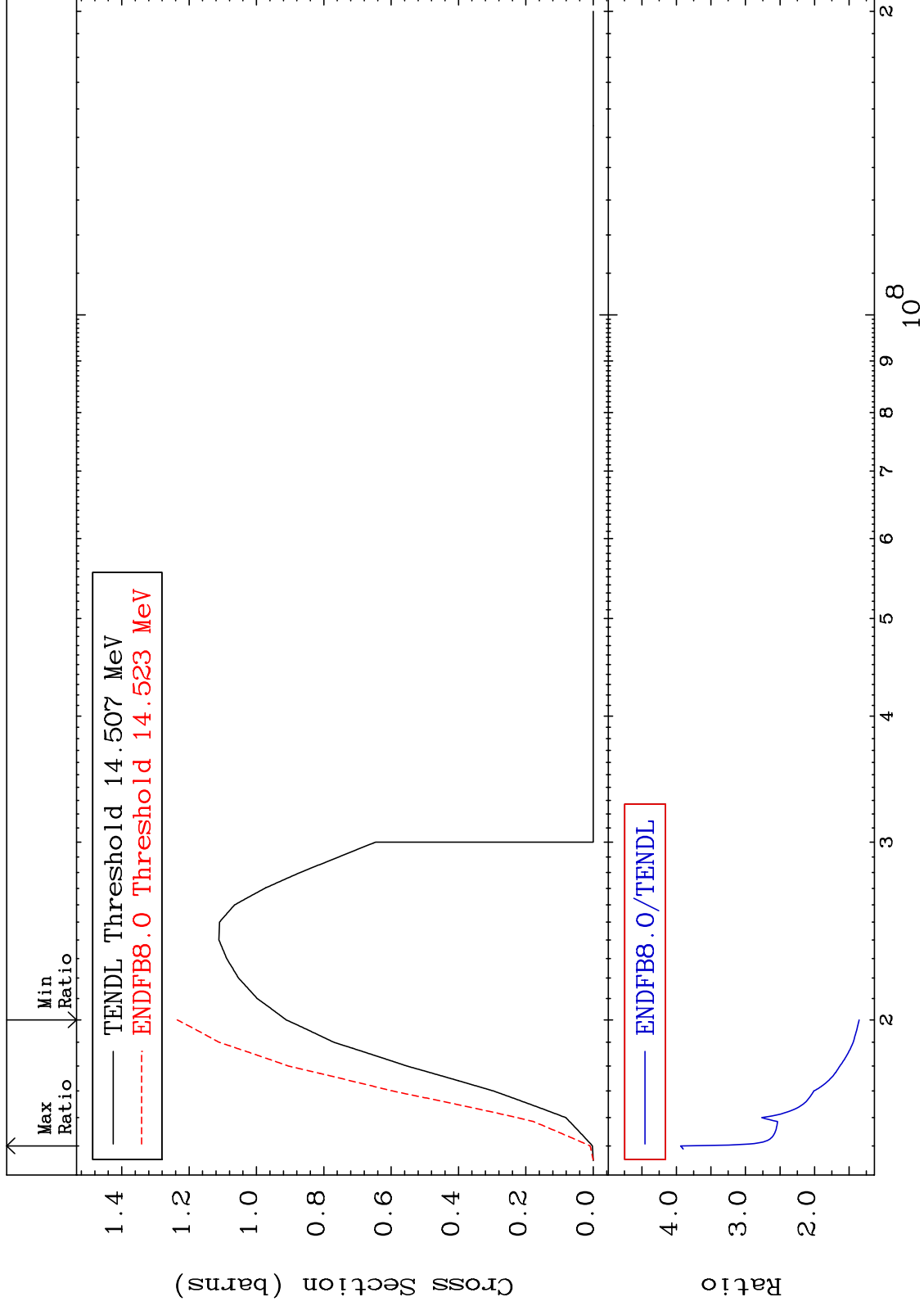
(n, 3n)

44-Ru-106

Cross Section

35.48

To 293.9 %



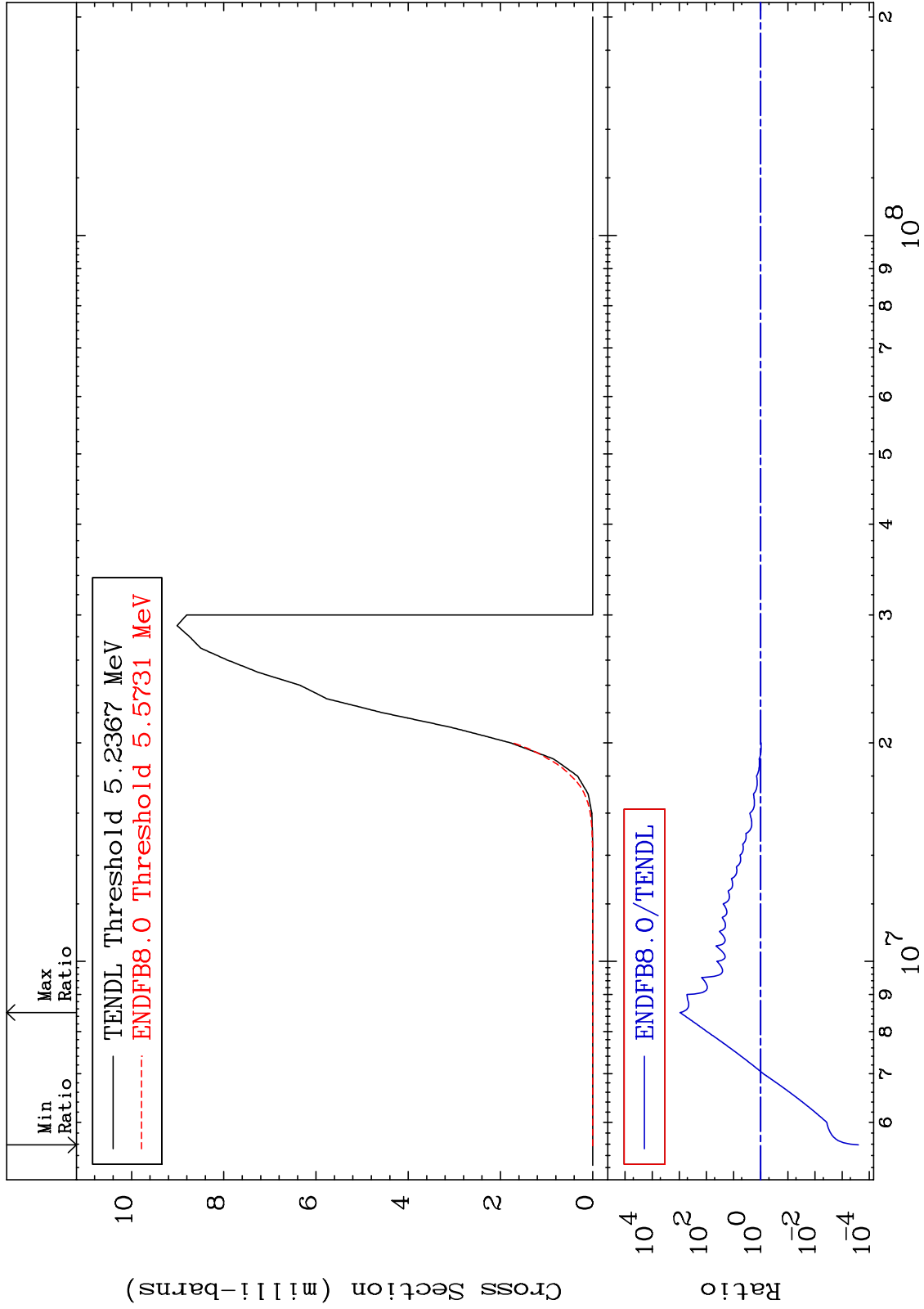
MAT 4455

(n,n') α

44-Ru-106

Cross Section

-99.97 To 9999. %



6

Incident Energy (eV)

44-Ru-106

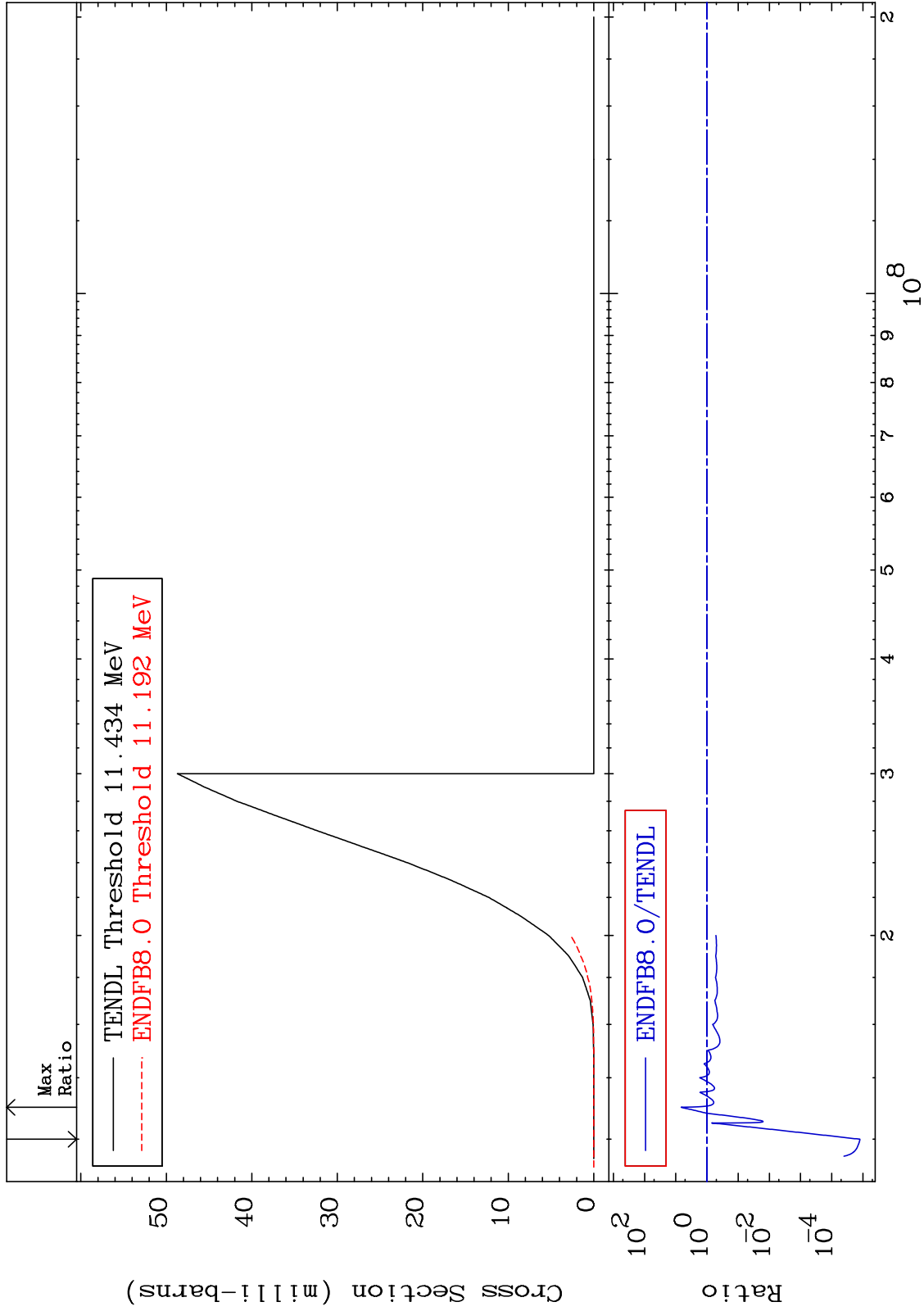
MAT 4455

(n,n') p

44-Ru-106

Cross Section

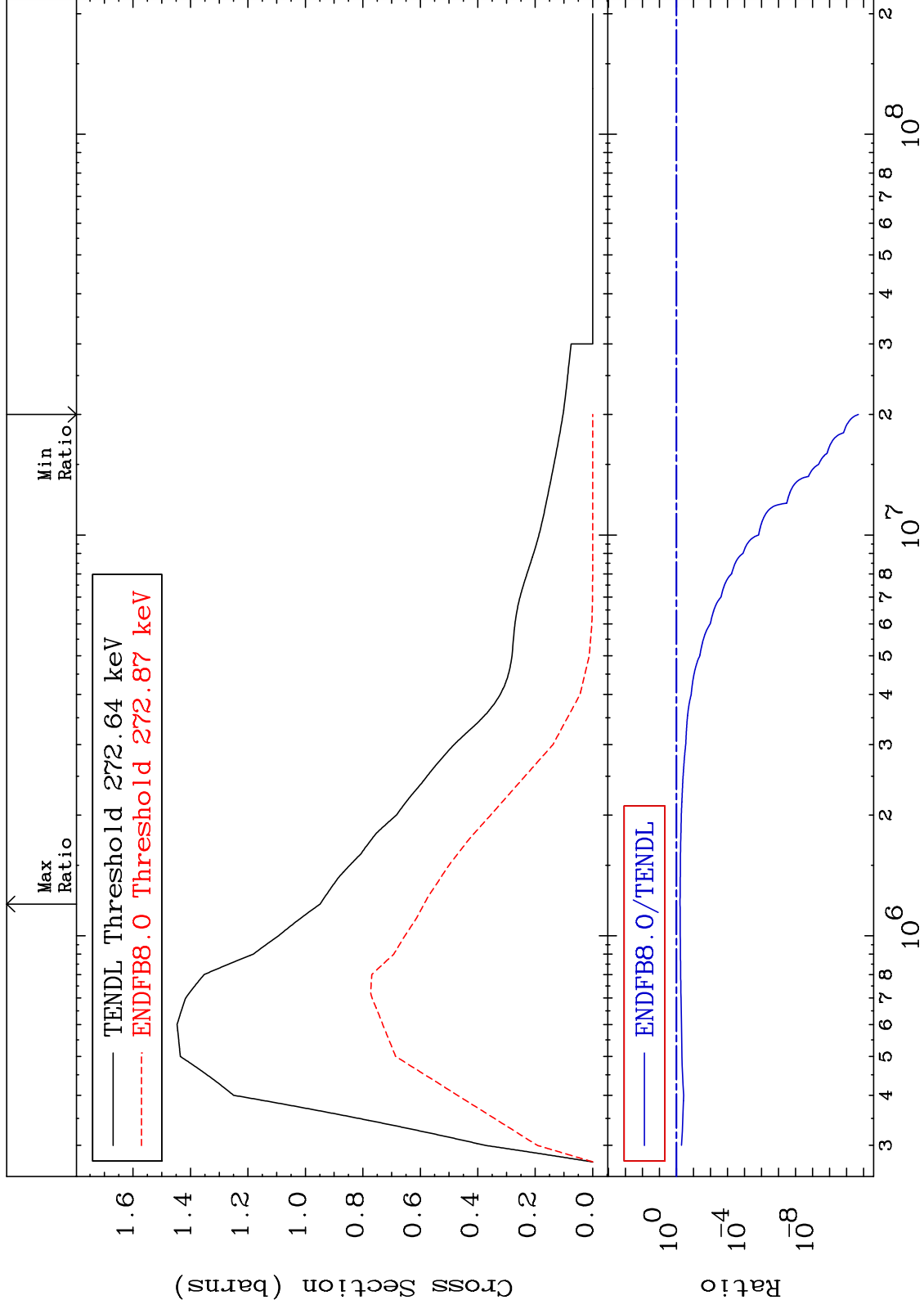
-100.0 To 570.0 %



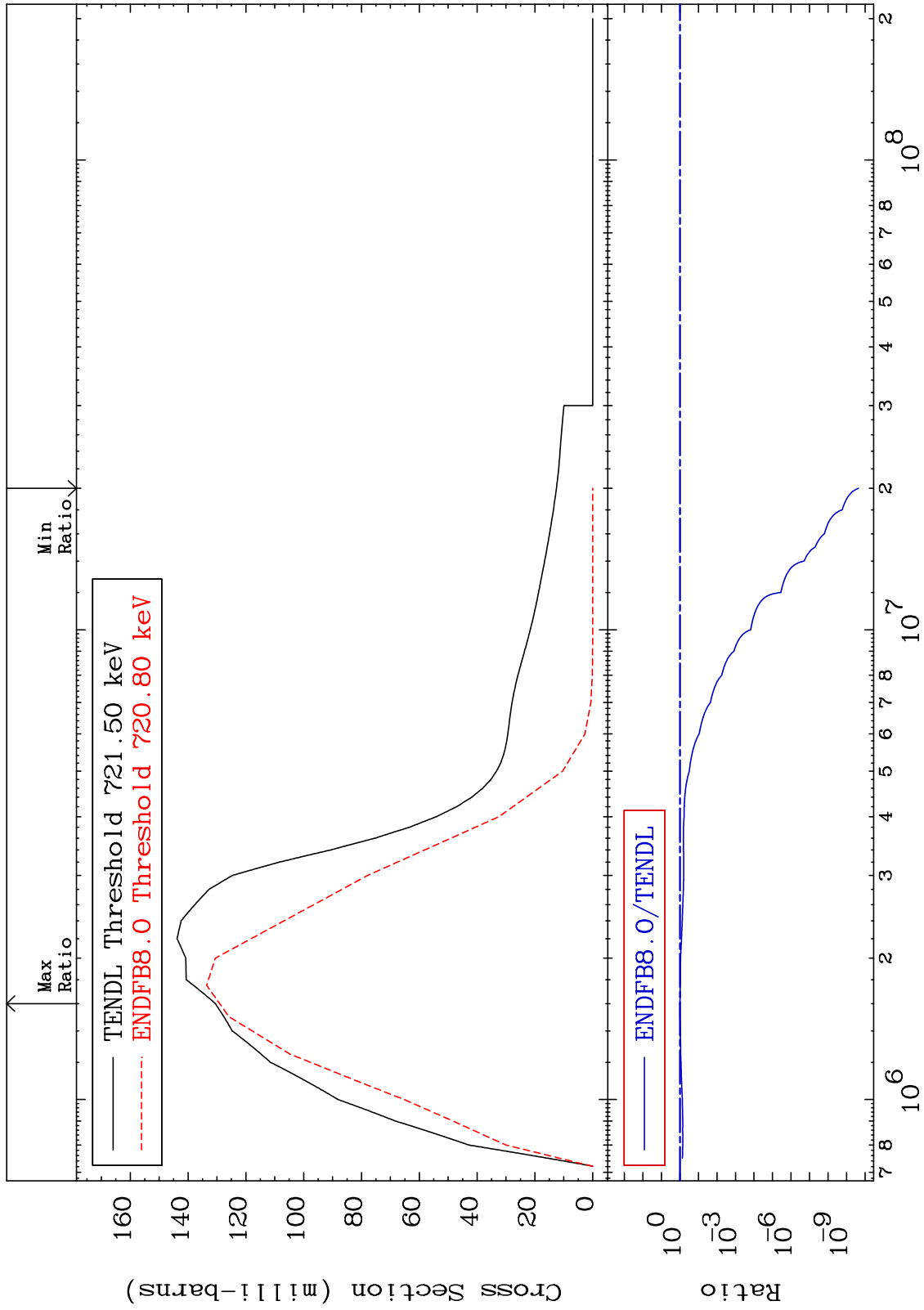
MAT 4455

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

44-Ru-106
-100.0 To -38.12%



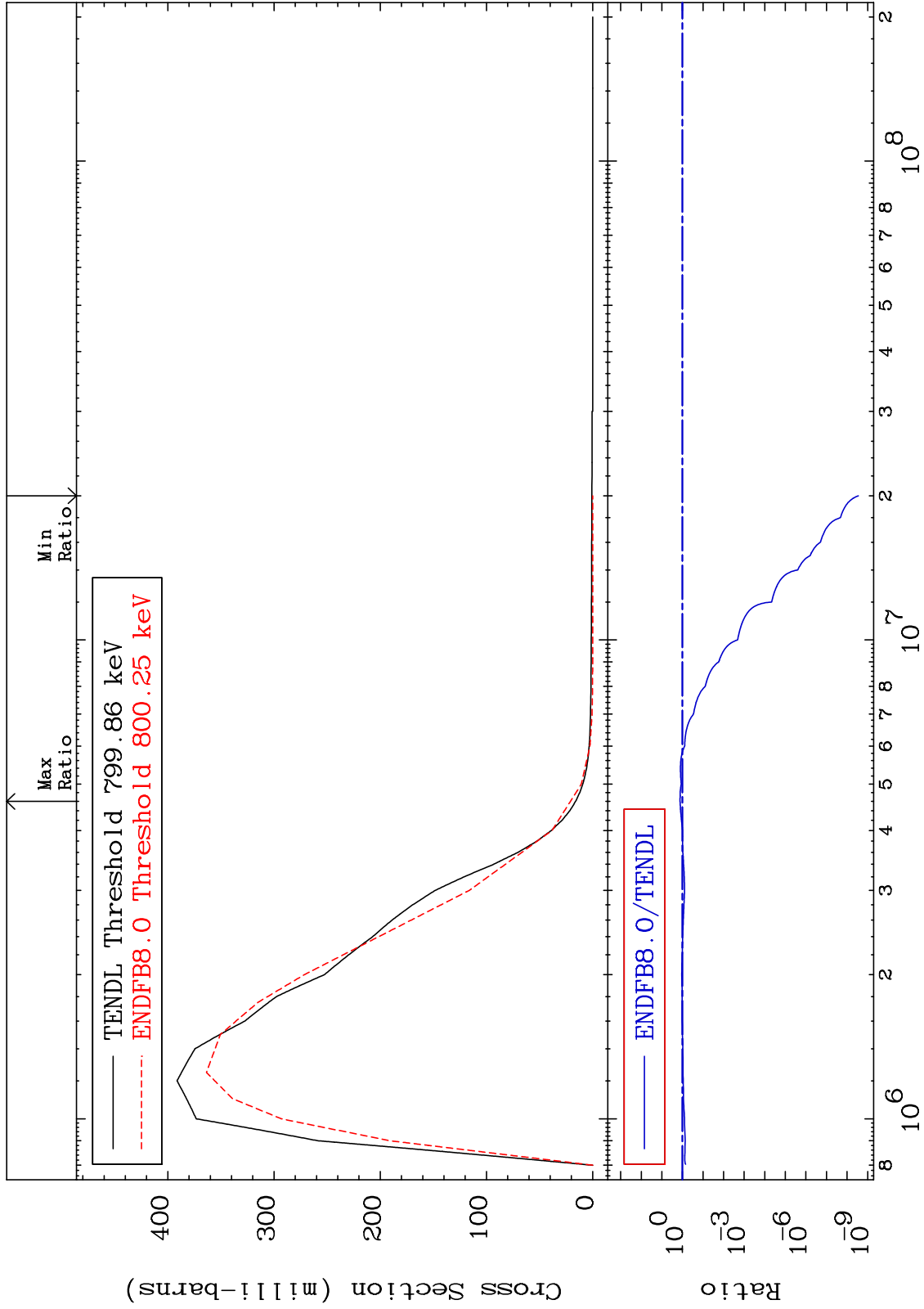
MAT 4455 MT= 52 (n,n') Level Cross Section 44-Ru-106 -100.0 To -1.114%



MAT 4455

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

44-Ru-106
-100.0 To 30.57 %

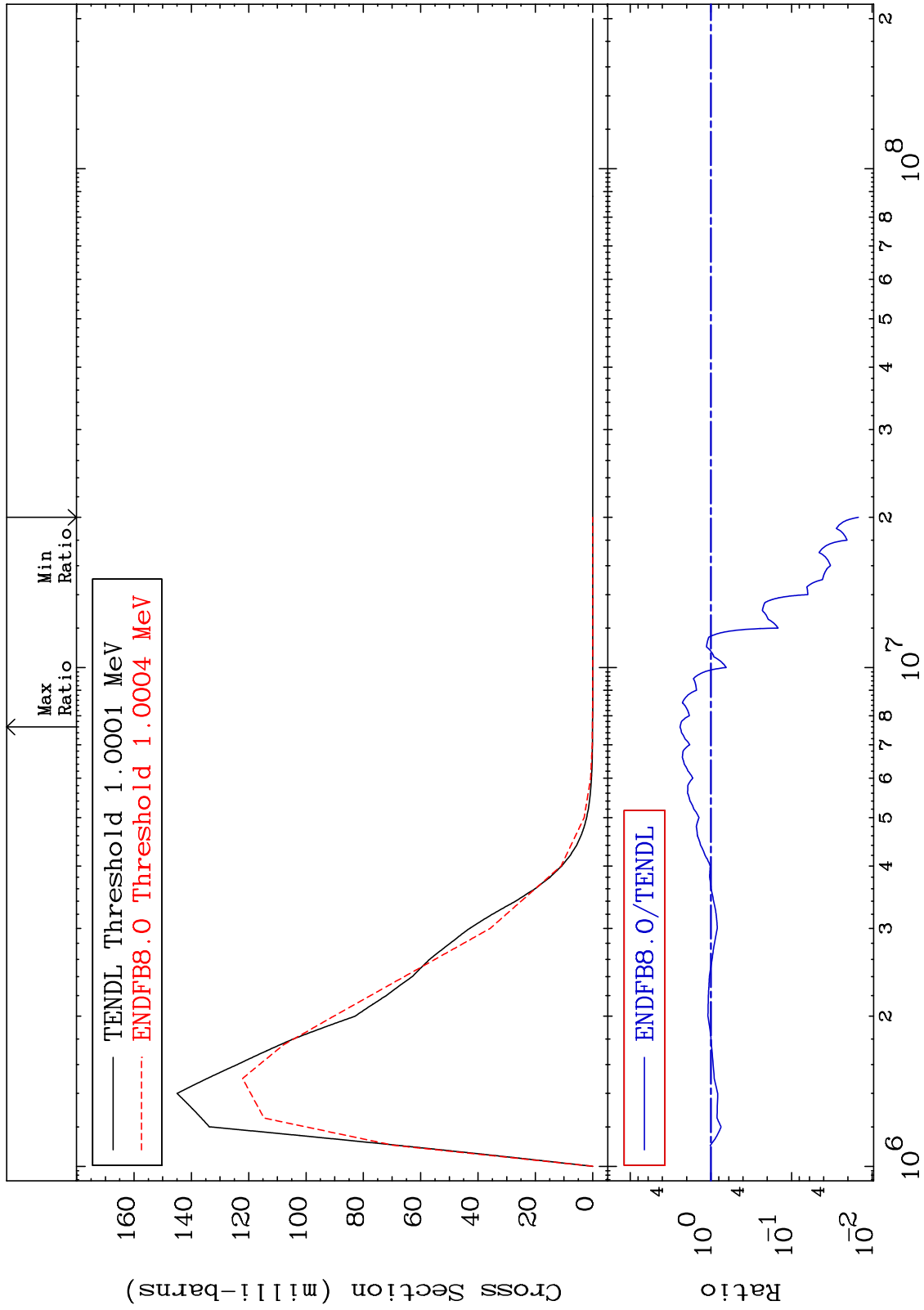


44-Ru-106

MAT 4455

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

44-Ru-106
-98.52 To 141.6 %



11

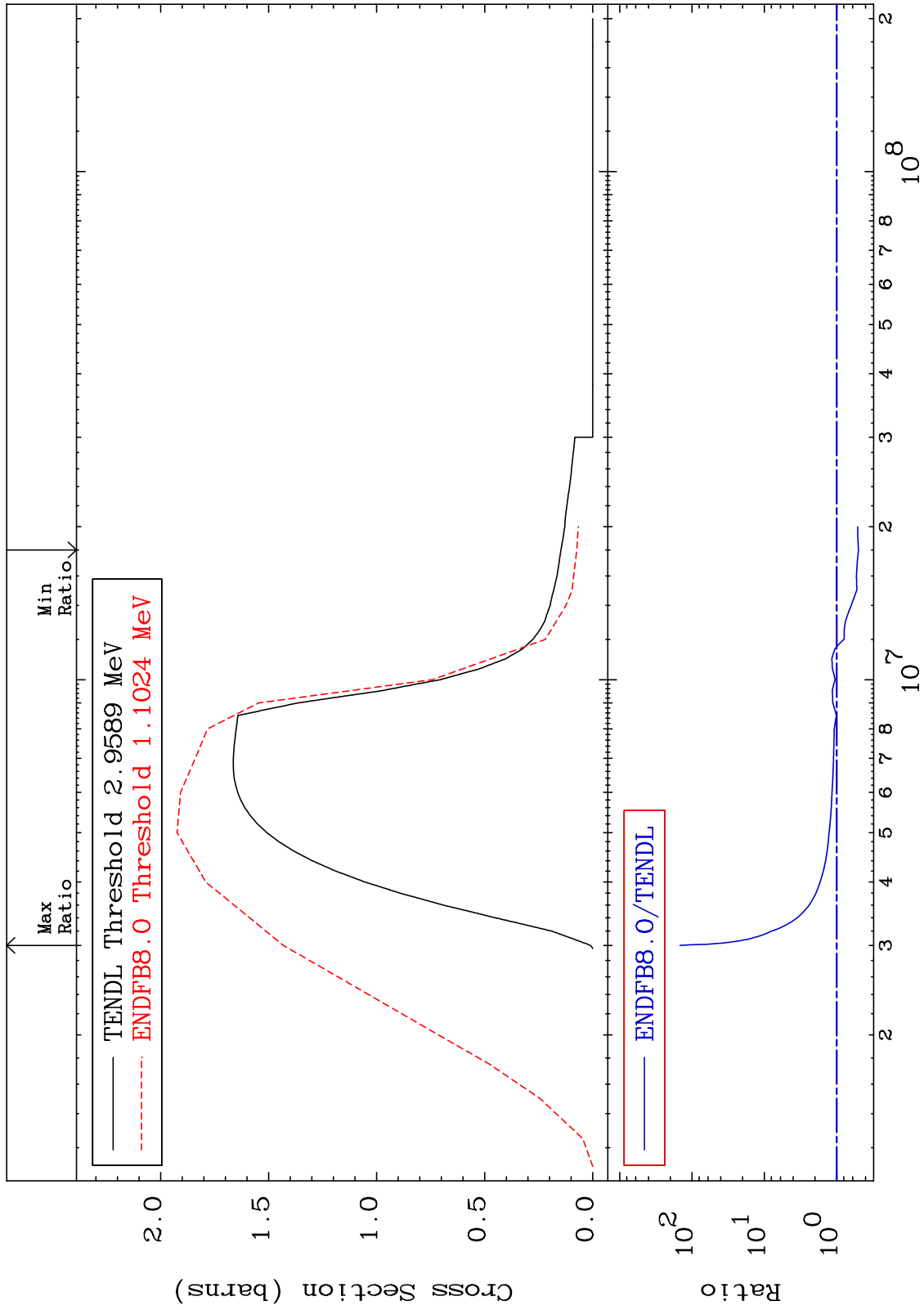
Incident Energy (eV)

44-Ru-106

MAT 4455

(n, n') Continuum
Cross Section

44-Ru-106
-49.92 To 9999. %



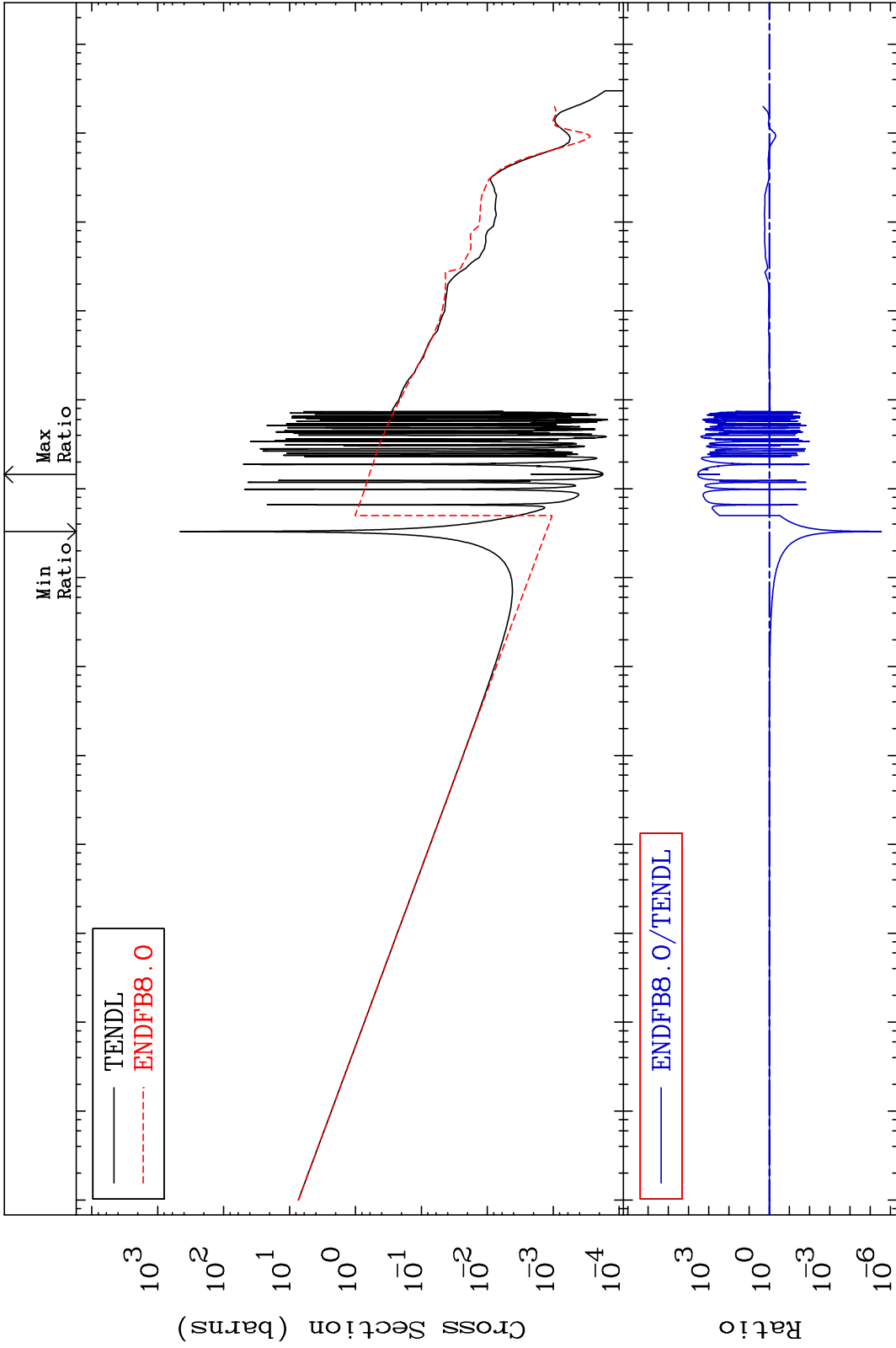
MAT 4455

44-Ru-106

-100.0 To 9999. %

(n, γ)

Cross Section

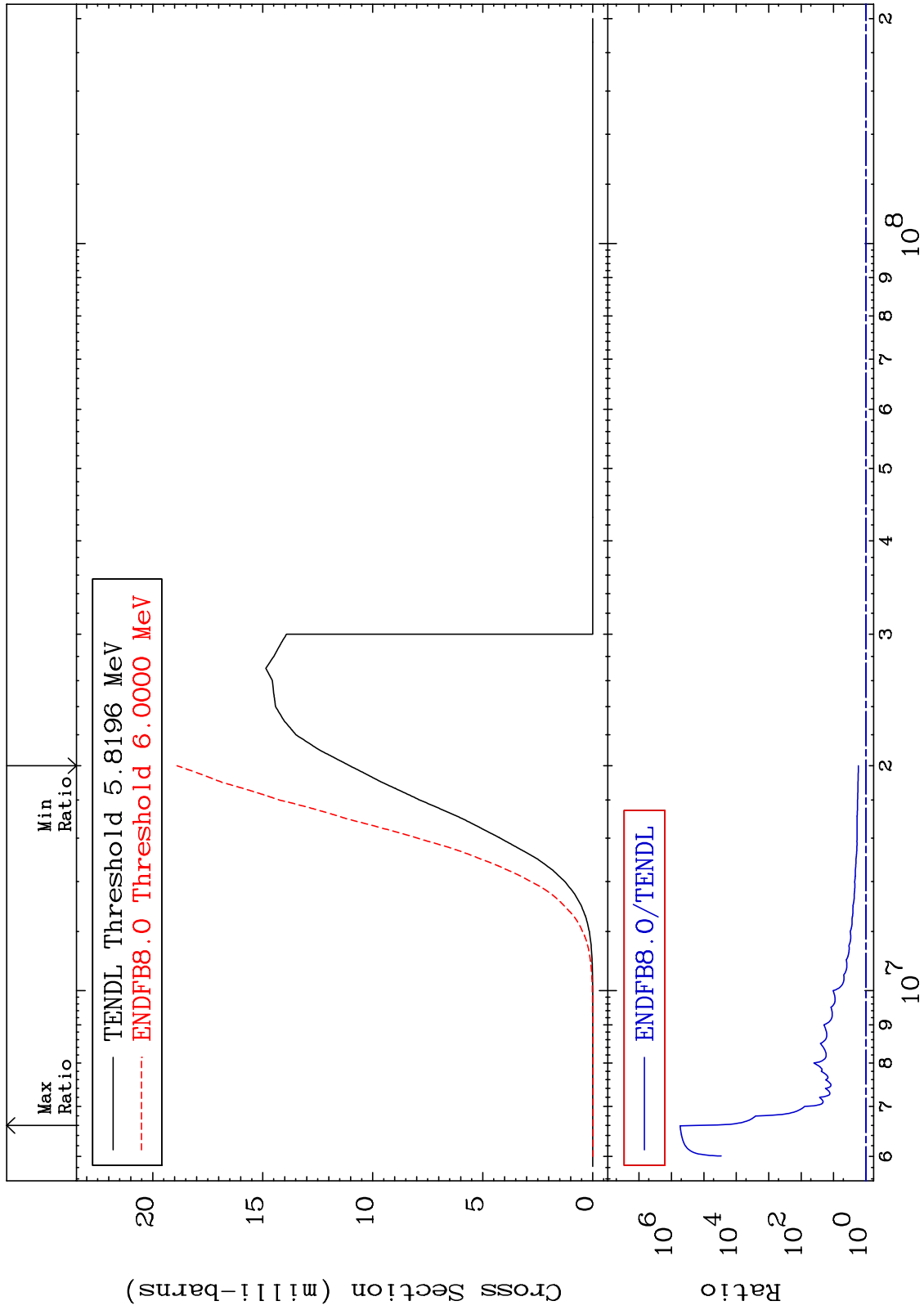


Incident Energy (eV)

44-Ru-106

13

MAT 4455 (n,p) Cross Section 44-Ru-106 To 9999. %
70.99



14 Incident Energy (eV) 44-Ru-106

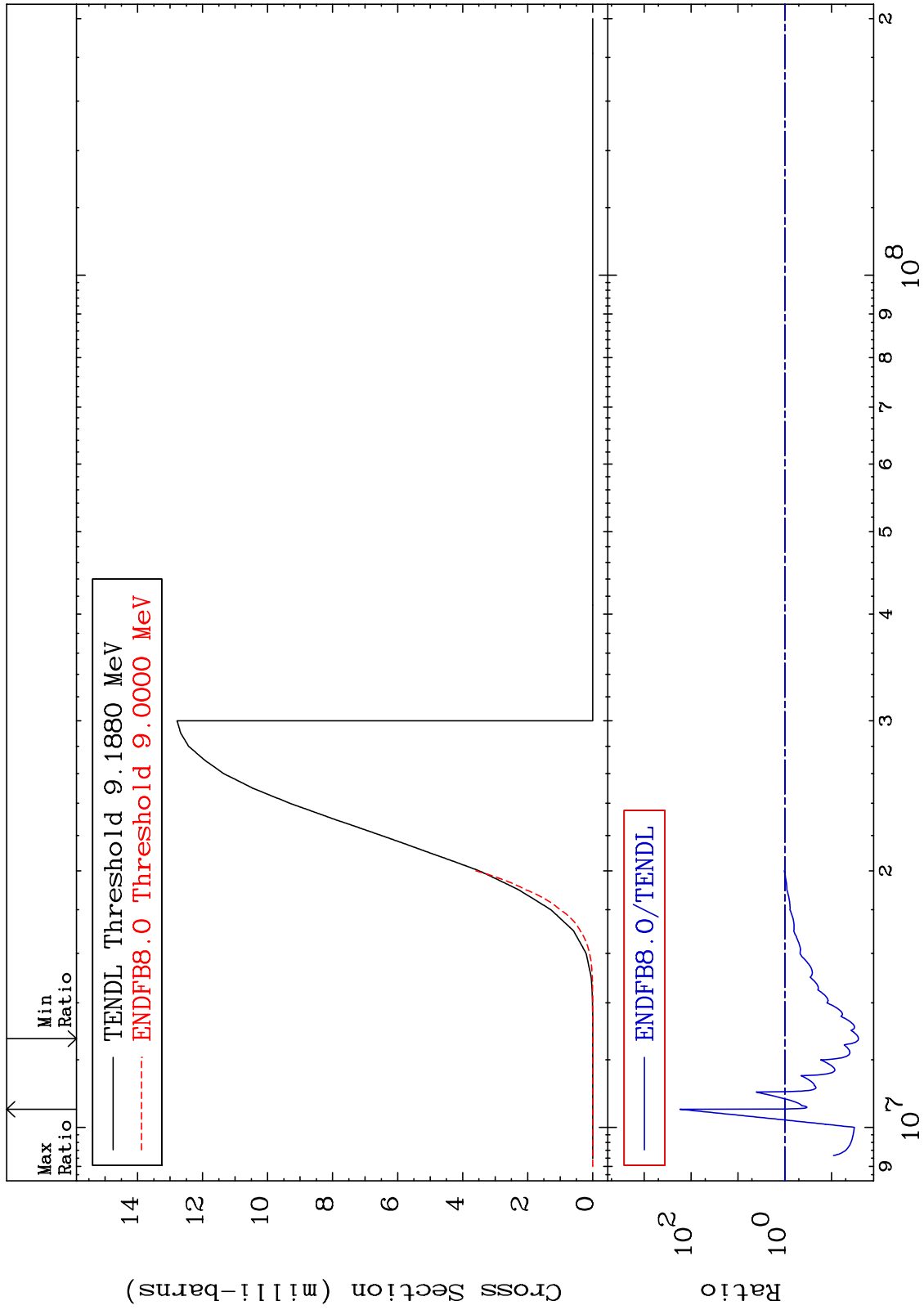
MAT 4455

(n,d)

44-Ru-106

Cross Section

-97.32 To 9999. %



15

Incident Energy (eV)

44-Ru-106

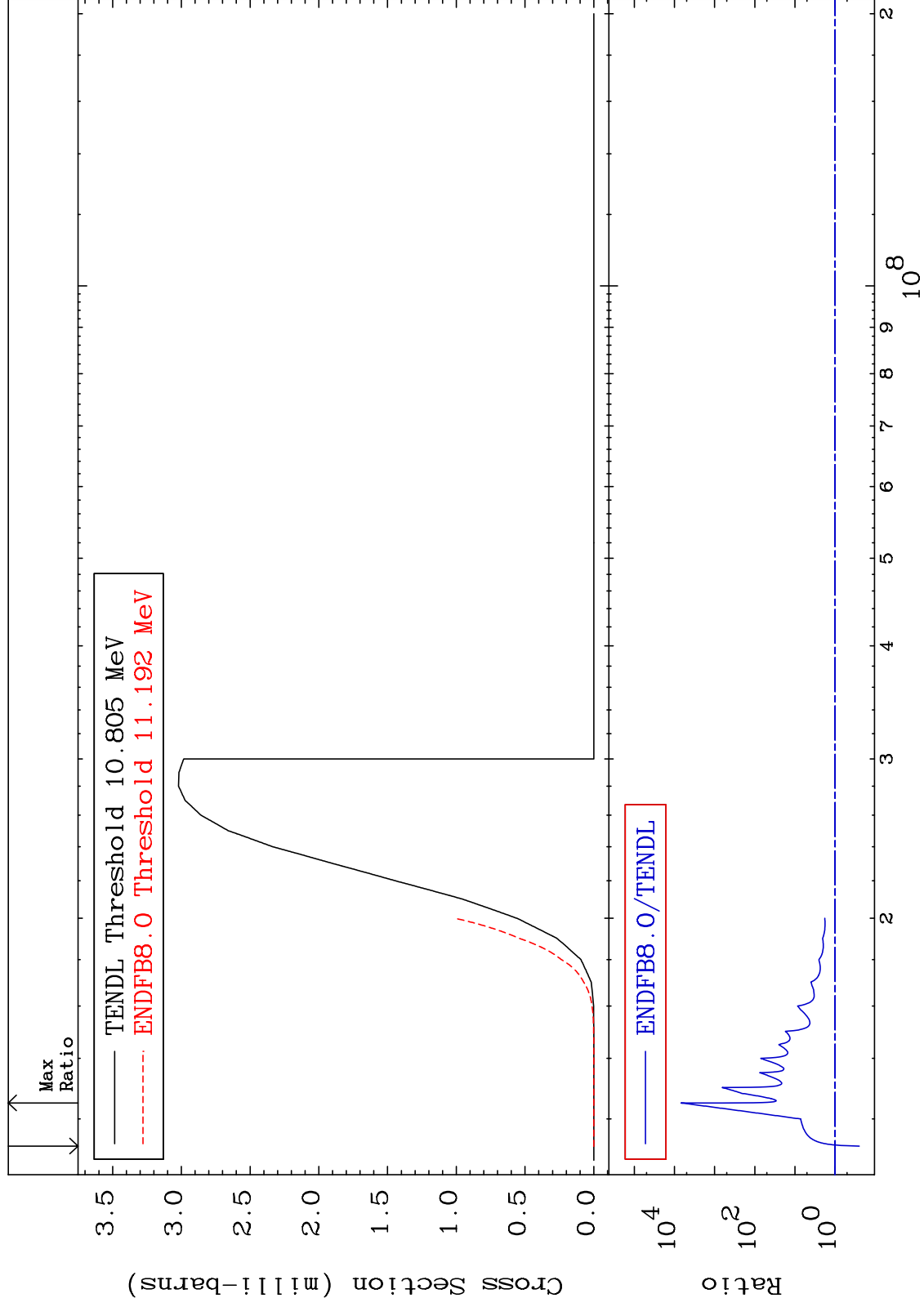
MAT 4455

(n, t)

44-Ru-106

Cross Section

-75.17 To 9999. %



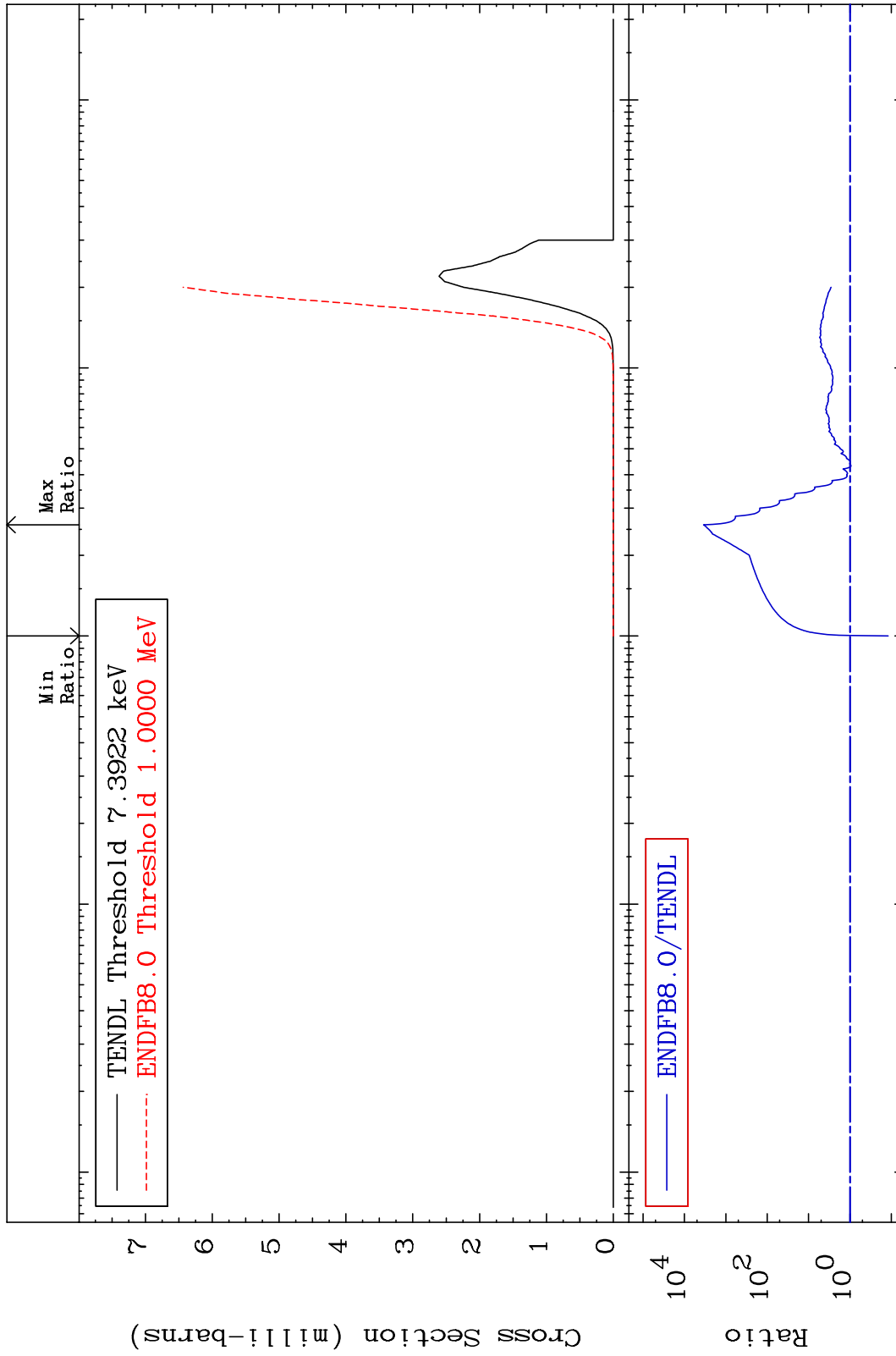
MAT 4455

44-Ru-106

-88.10 To 9999. %

(n, α)

Cross Section



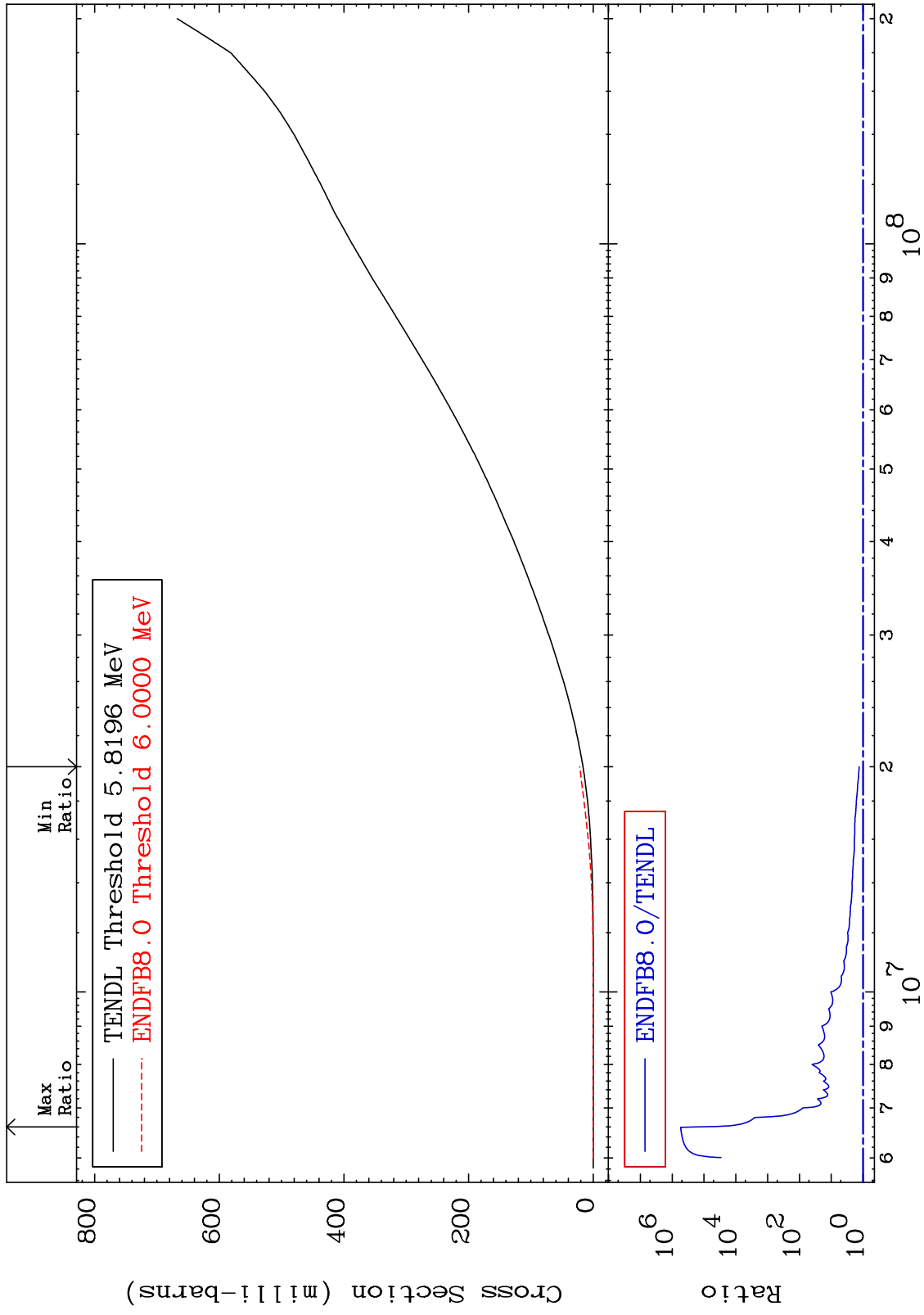
Min Ratio

Max Ratio

MAT 4455

Hydrogen Production
Cross Section

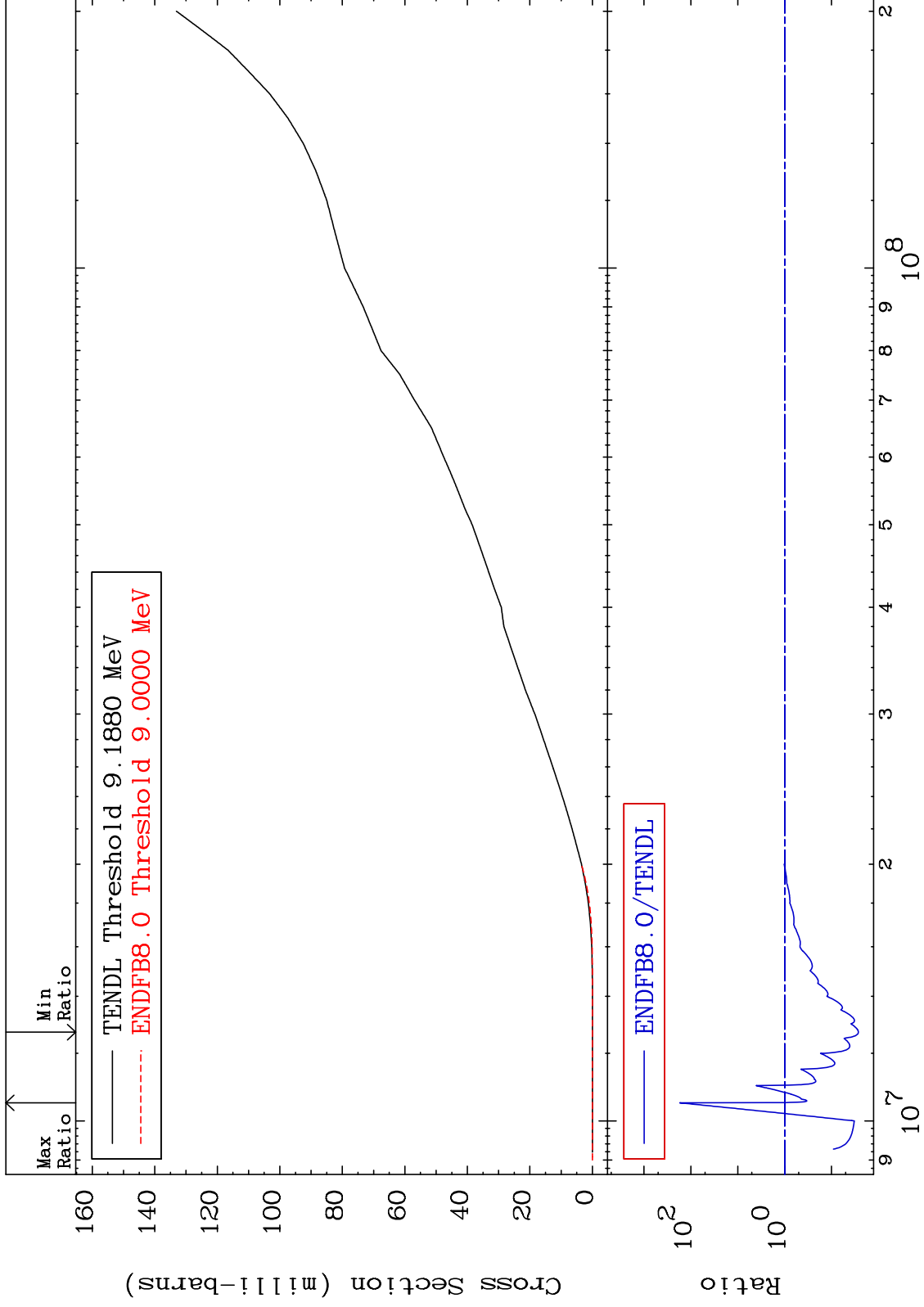
44-Ru-106
32.39 To 9999. %



MAT 4455

Deuterium Production
Cross Section

44-Ru-106
-97.32 To 9999. %



19

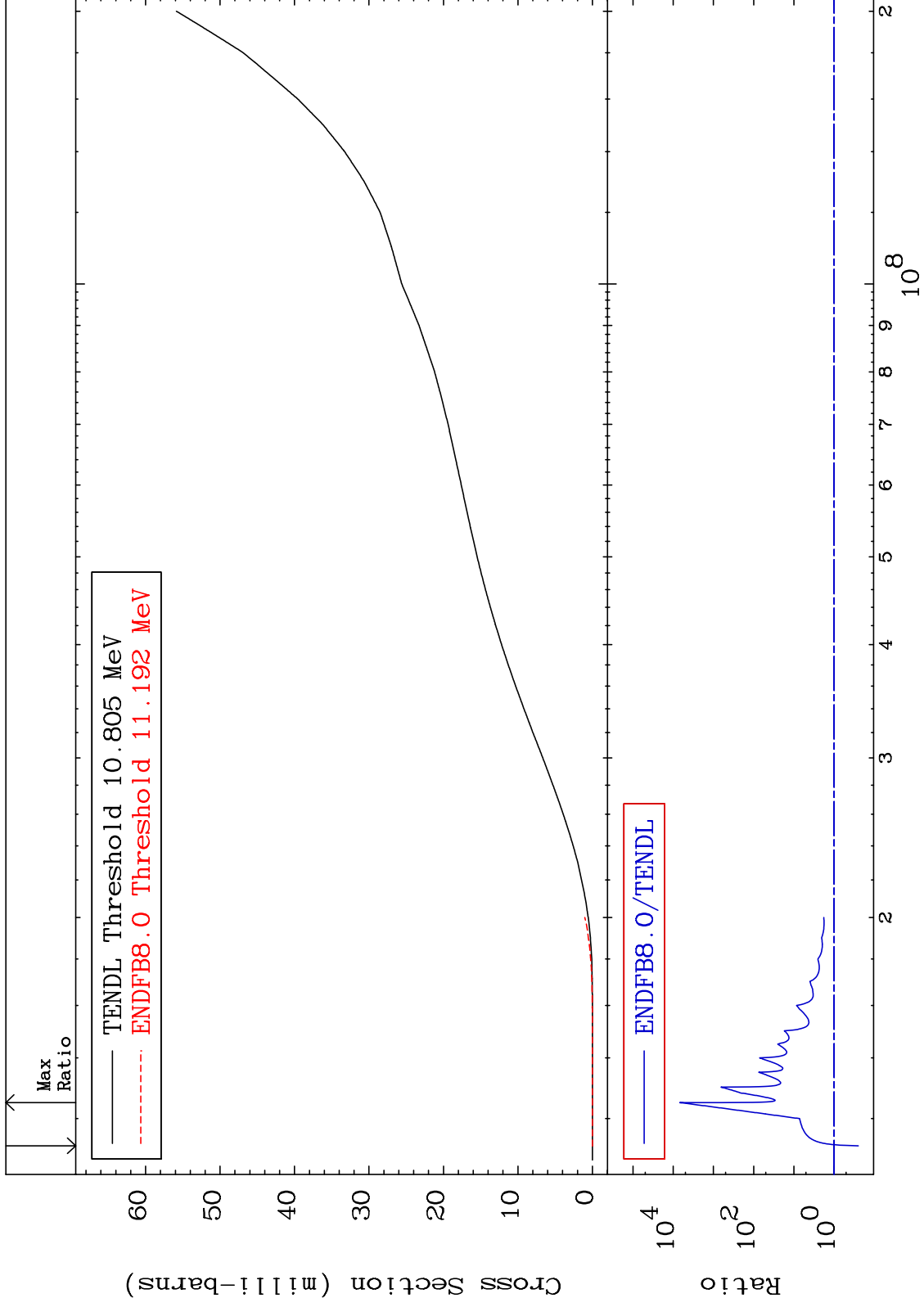
Incident Energy (eV)

44-Ru-106

MAT 4455

Tritium Production
Cross Section

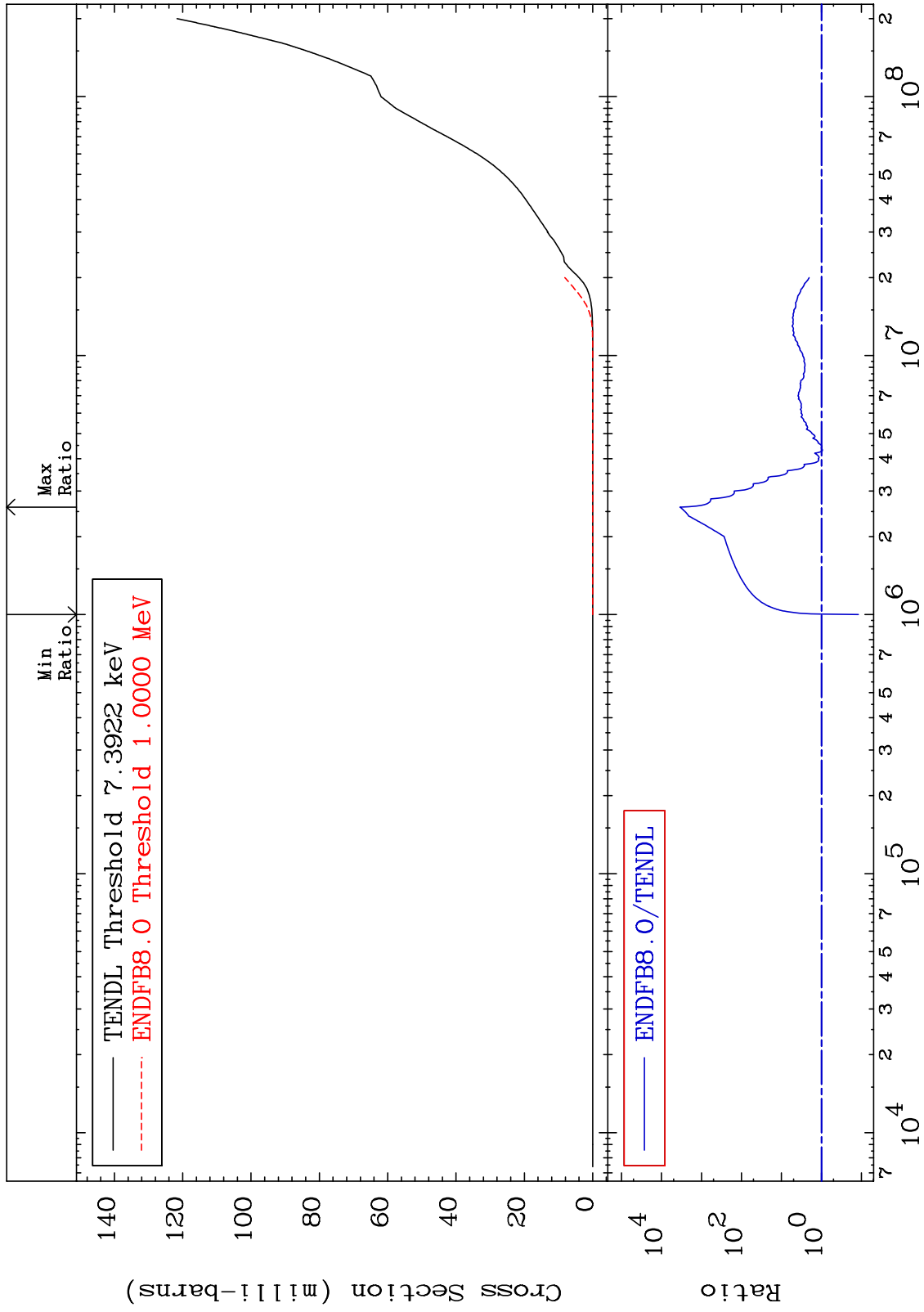
44-Ru-106
-75.17 To 9999. %



MAT 4455

He-4 Production
Cross Section

44-Ru-106
-88.10 To 9999. %



21

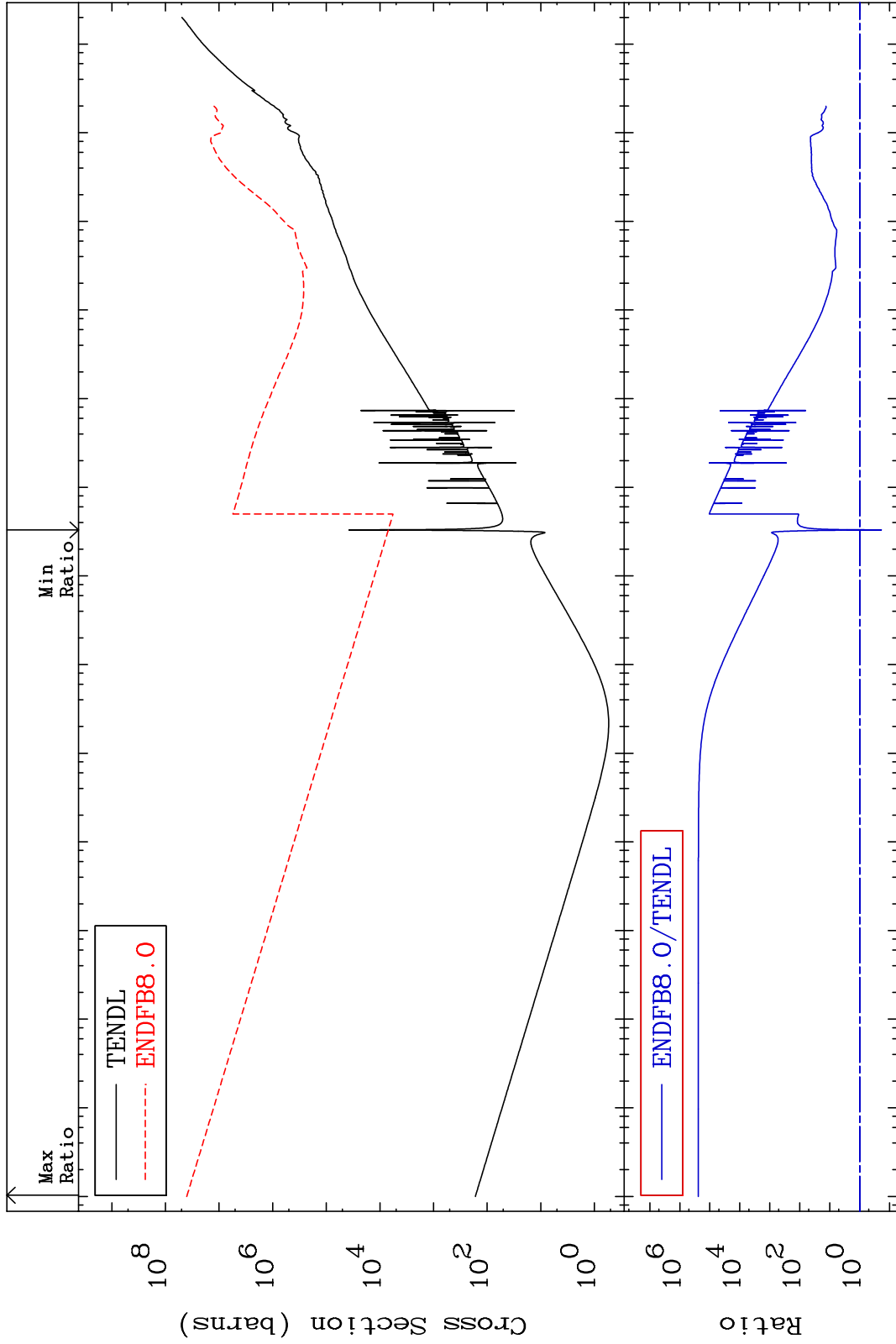
Incident Energy (eV)

44-Ru-106

MAT 4455

Kerma total (eV-barns)
Cross Section

44-Ru-106
-81.38 To 9999. %

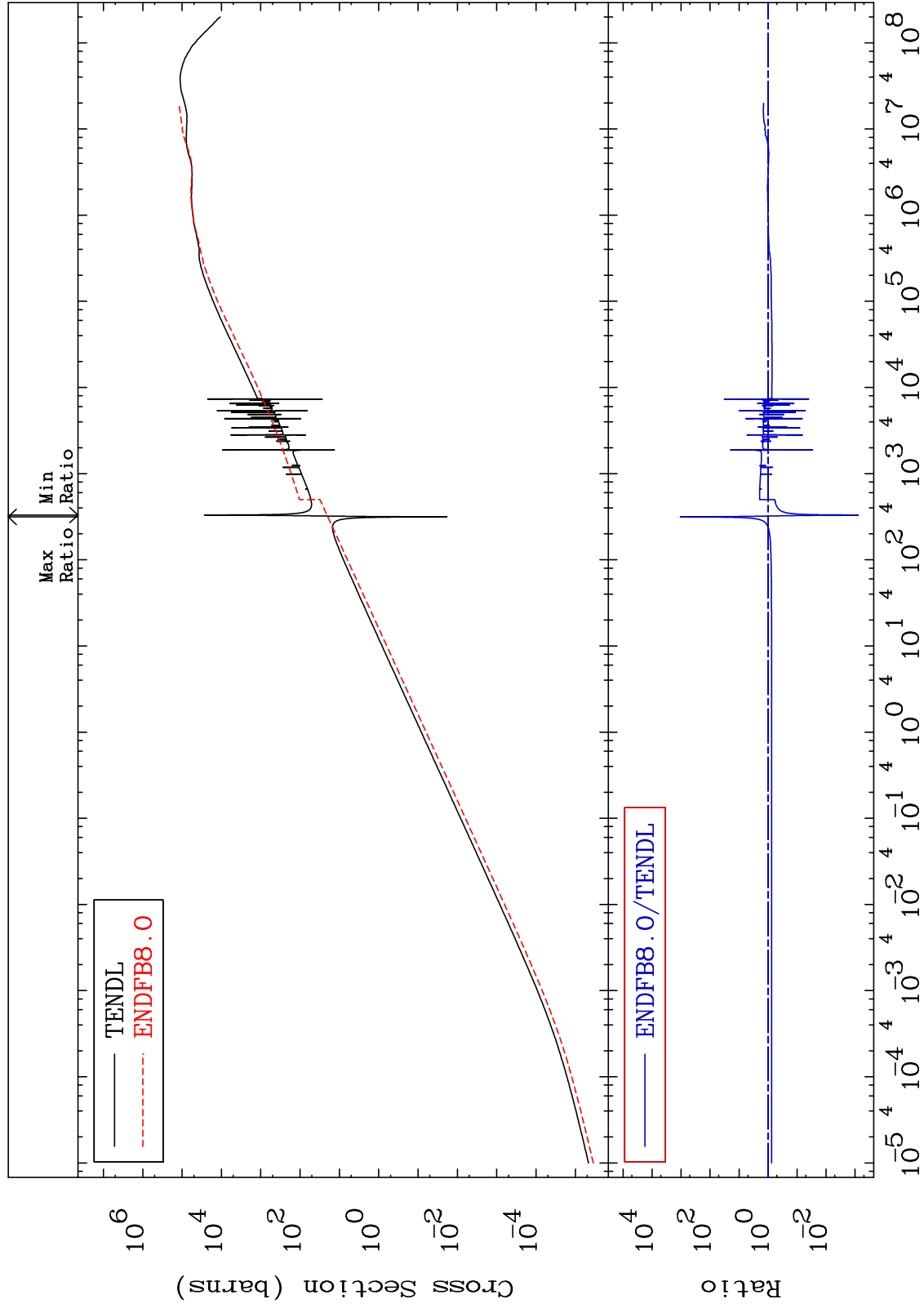


10⁸
10⁶
10⁴
10²
10⁰
10⁶
10⁴
10²
10⁰
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸
Incident Energy (eV)

MAT 4455

Kerma elastic
Cross Section

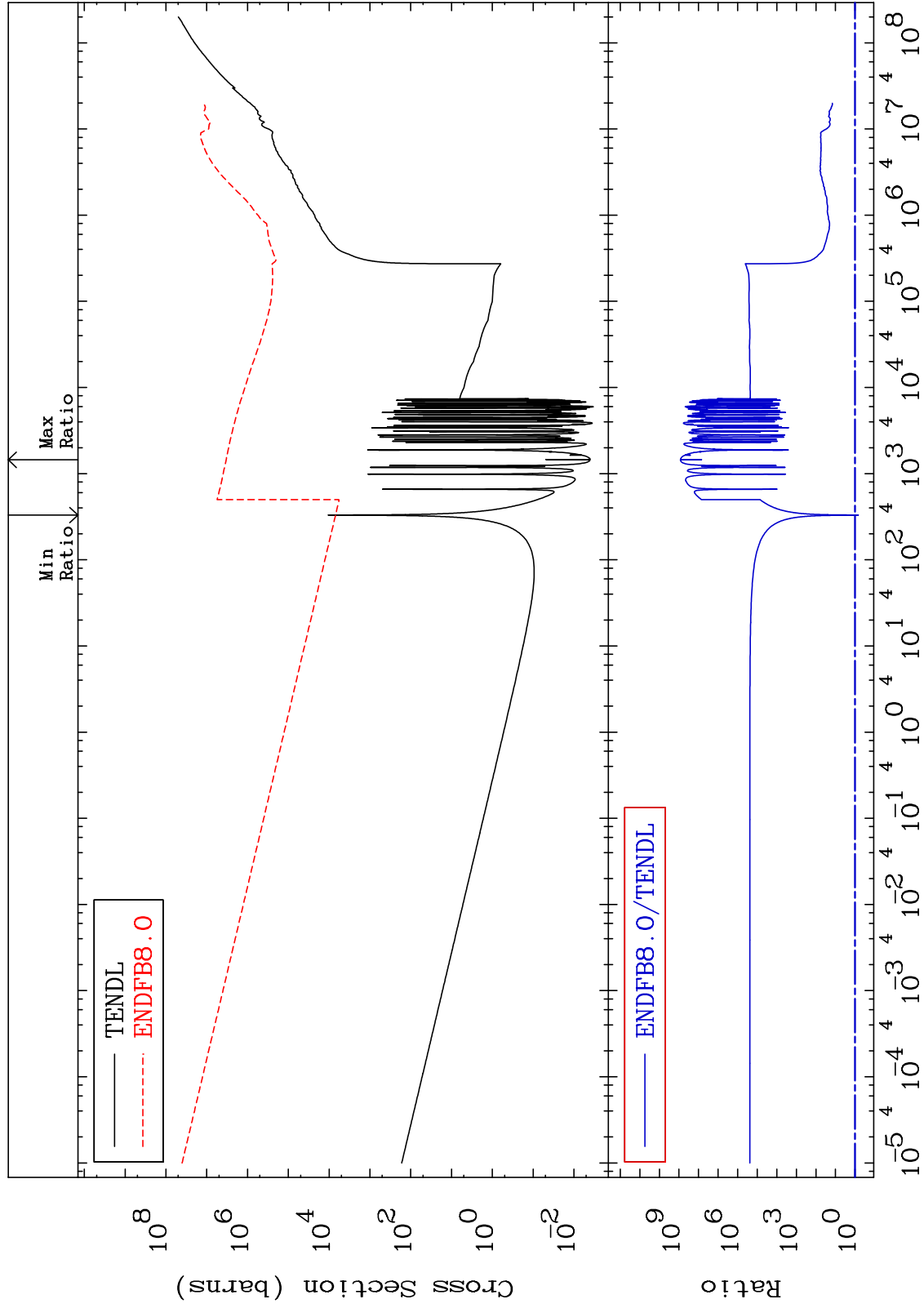
44-Ru-106
-99.92 To 9999. %



MAT 4455

Kerma non-elastic (all but mt2)
Cross Section

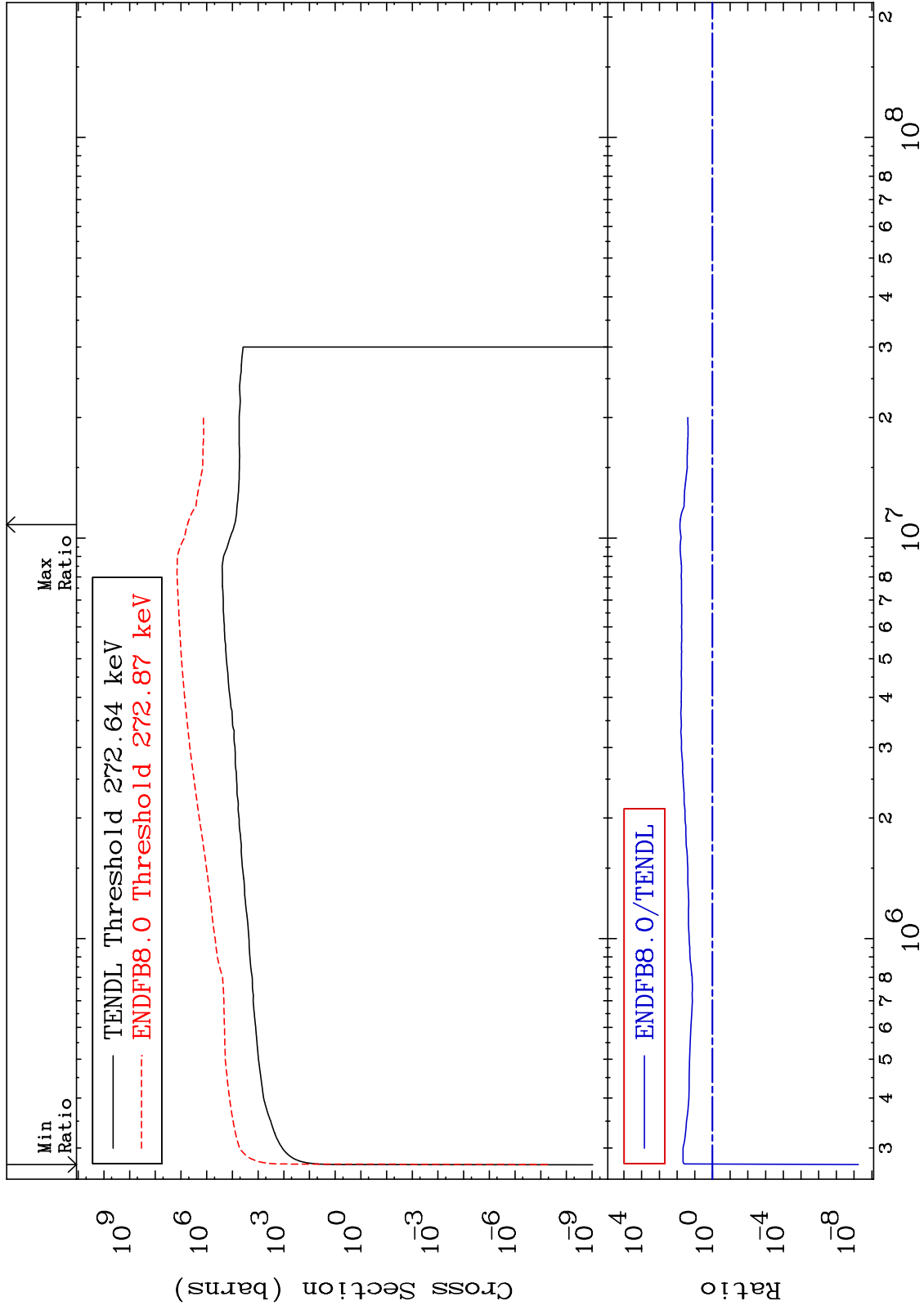
44-Ru-106
-33.36 To 9999. %



MAT 4455

Kerma inelastic (mt51-91)
Cross Section

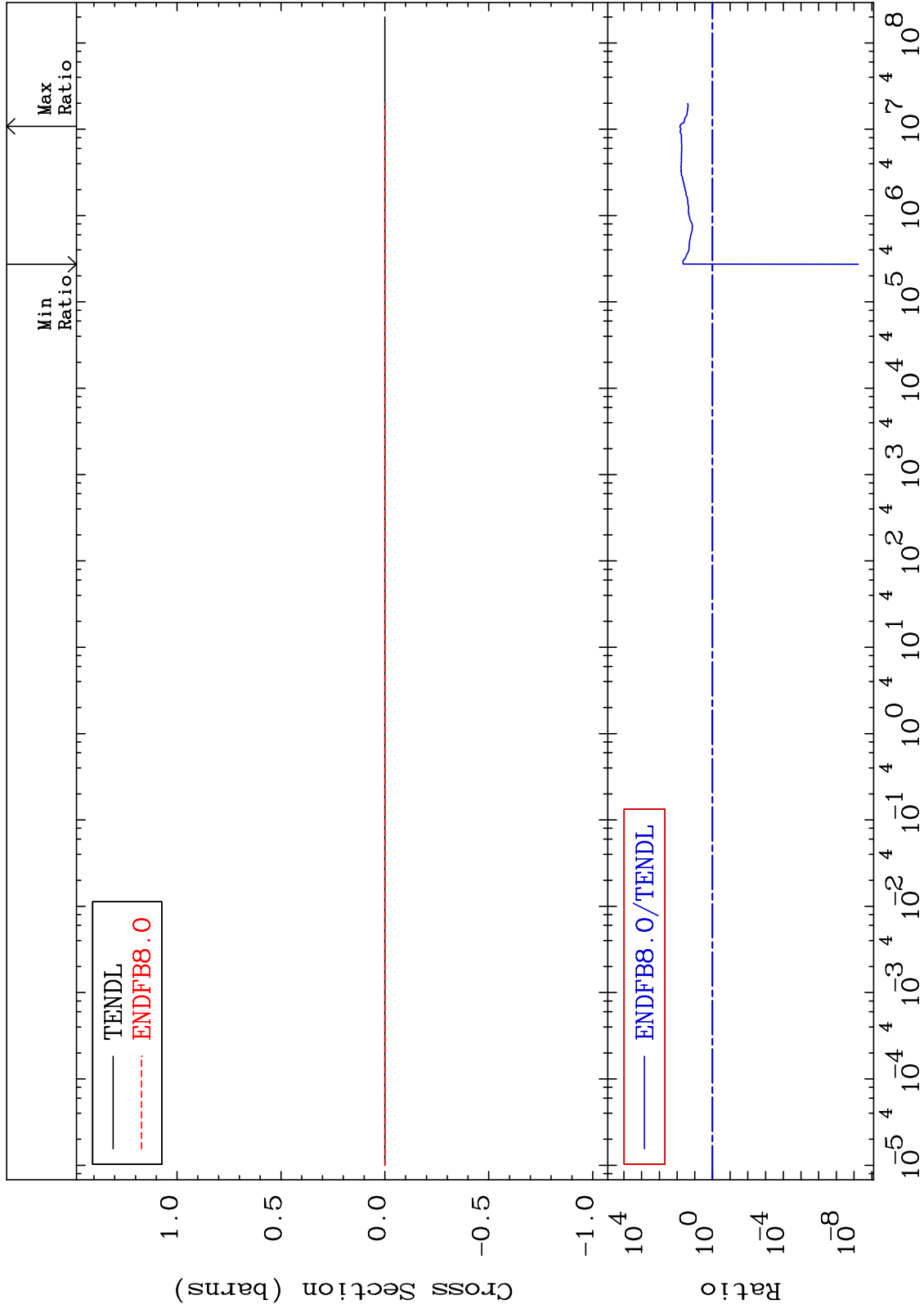
44-Ru-106
-100.0 To 6712. %



MAT 4455

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

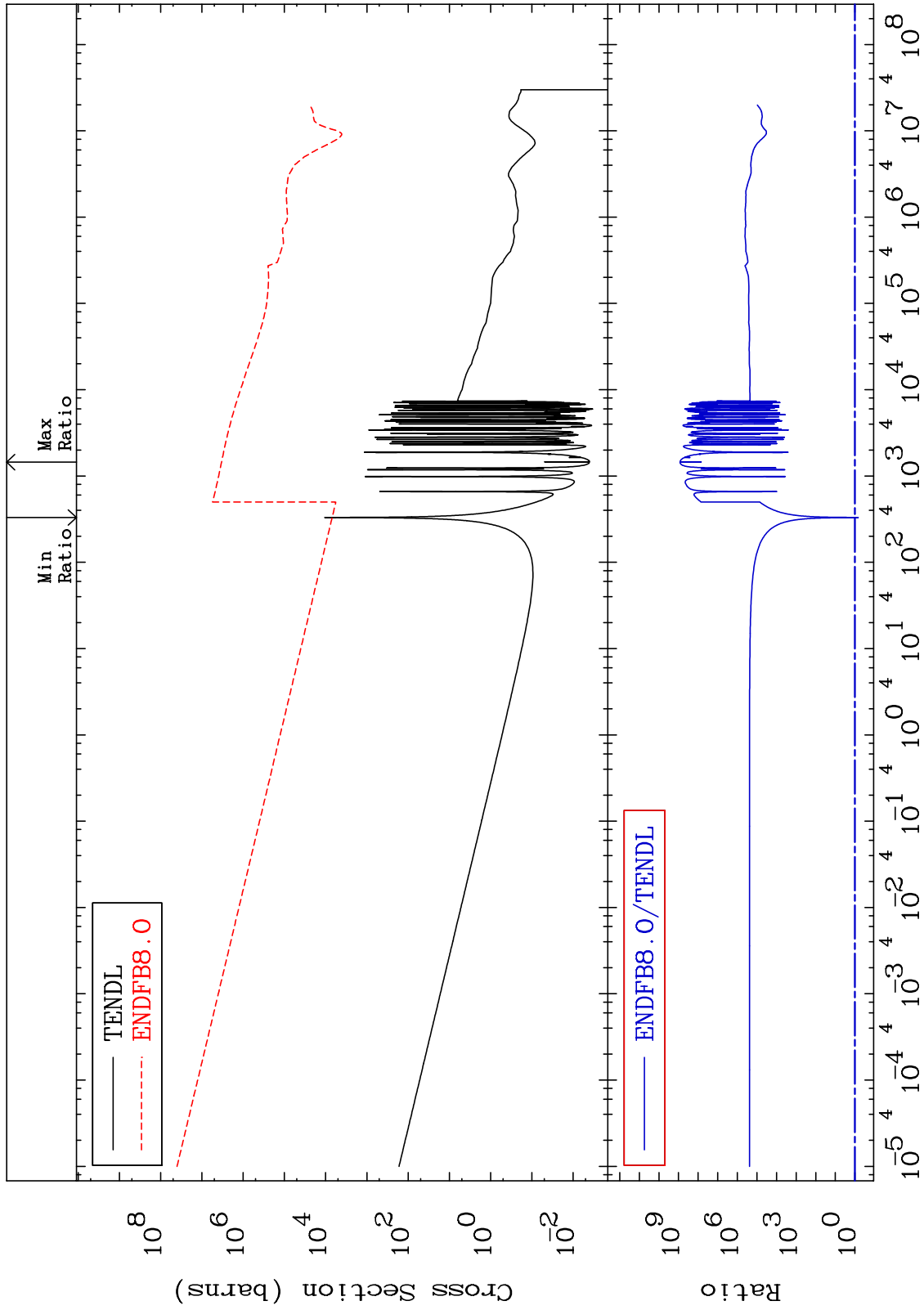
44-Ru-106
-100.0 To 6712. %



MAT 4455

Kerma capture (mt102)
Cross Section

44-Ru-106
-33.36 To 9999. %



27

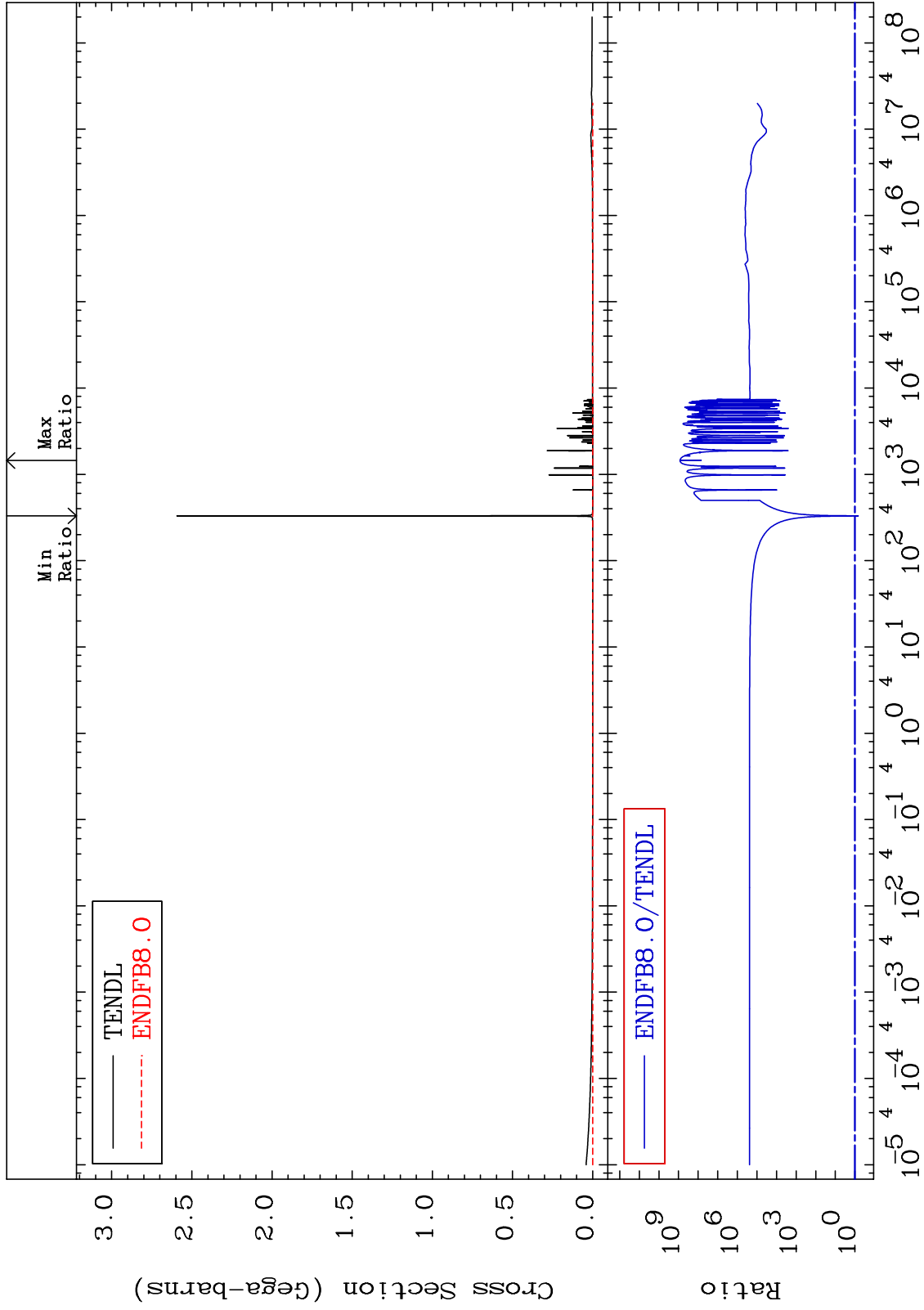
Incident Energy (eV)

44-Ru-106

MAT 4455

Total photon (eV-barns)
Cross Section

44-Ru-106
-33.36 To 9999. %



28

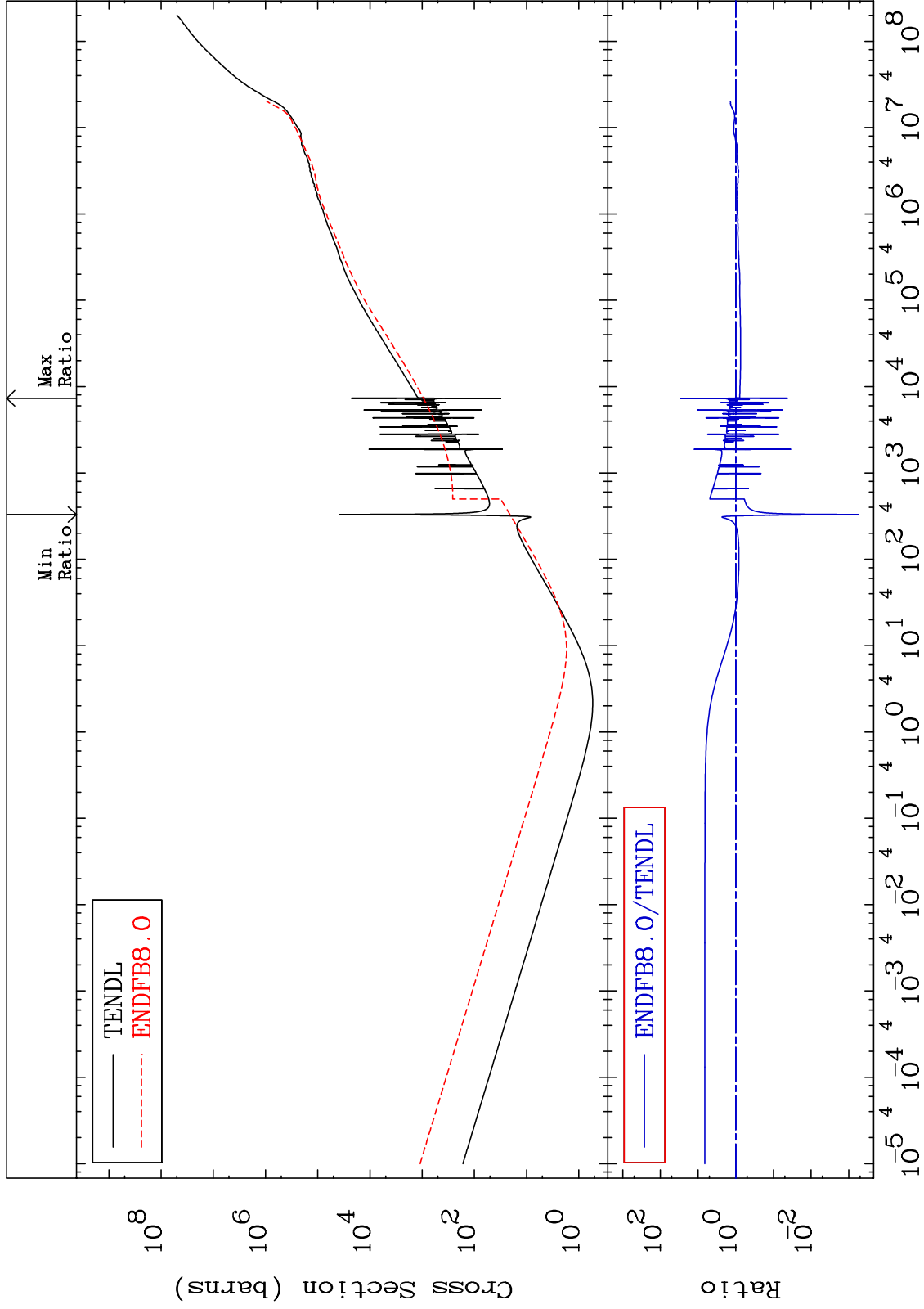
Incident Energy (eV)

44-Ru-106

MAT 4455

Total kinematic kerma (high limit)
Cross Section

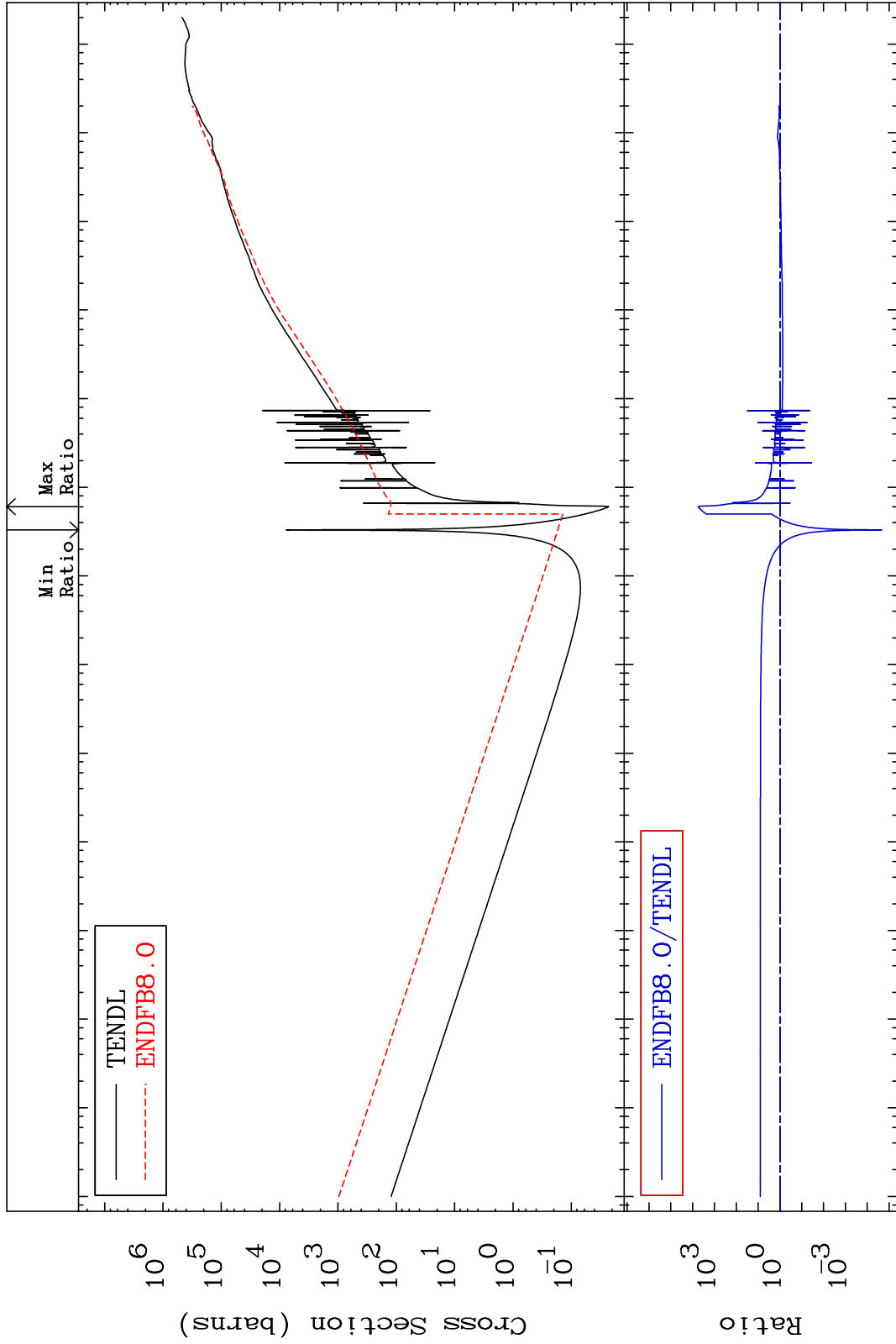
44-Ru-106
-99.94 To 2918. %



MAT 4455

Dpa total (eV-barns)
Cross Section

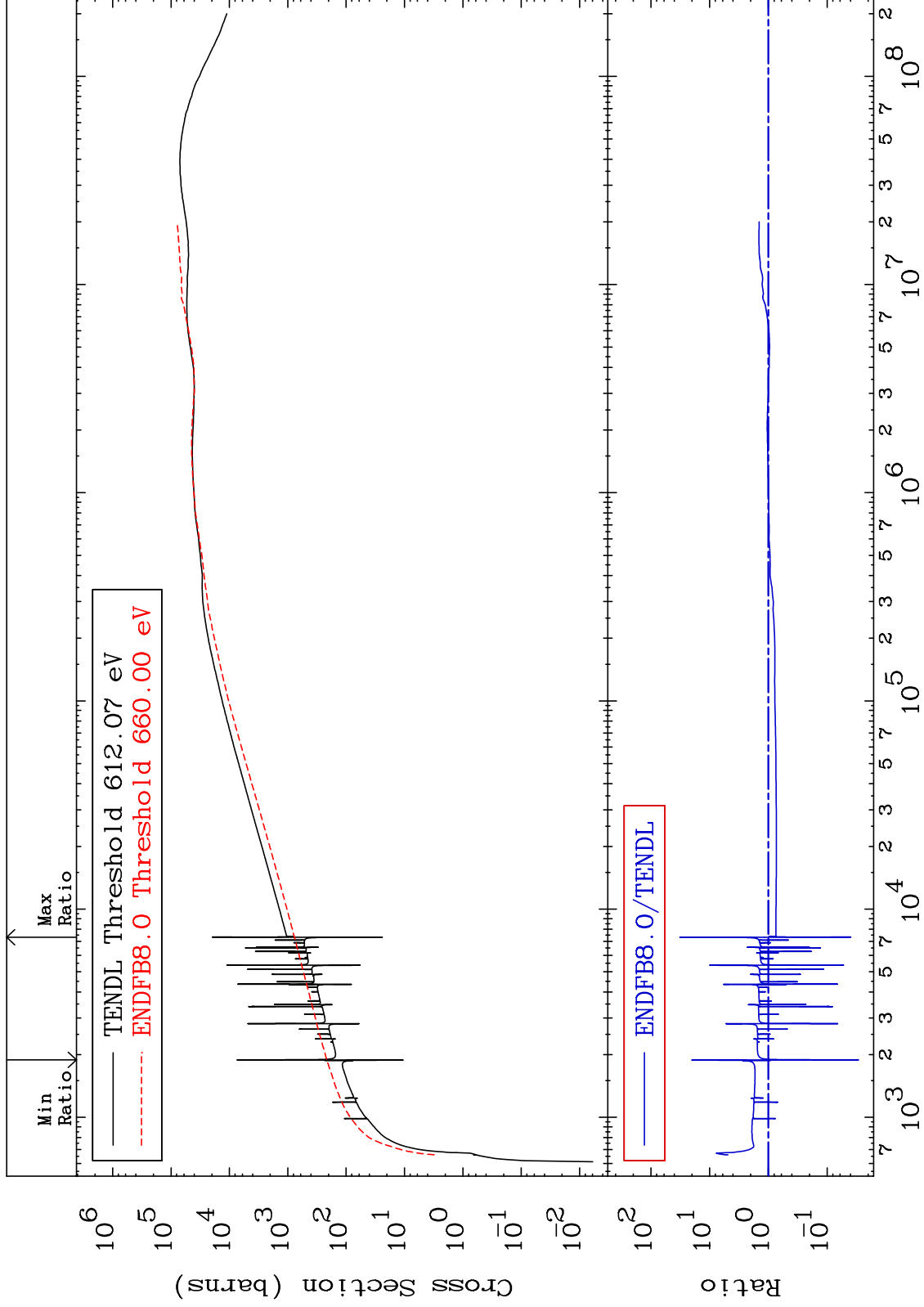
44-Ru-106
-100.0 To 9999. %



MAT 4455

Dpa elastic (mt2)
Cross Section

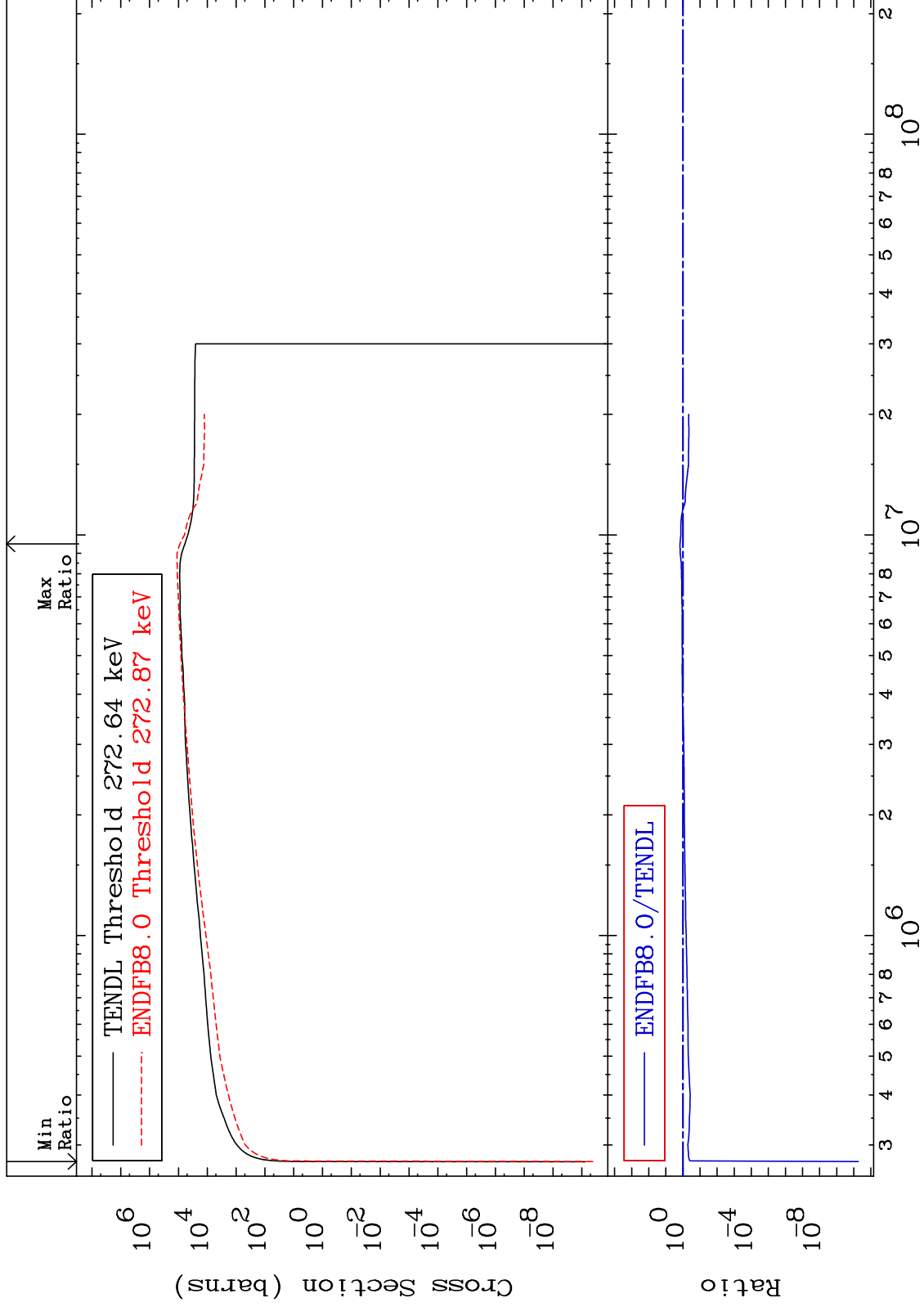
44-Ru-106
-97.07 To 3098. %



MAT 4455

Dpa inelastic (mt51-91)
Cross Section

44-Ru-106
-100.0 To 47.93 %



MAT 4455

Dpa disappearance (mt102 -120)
Cross Section

44-Ru-106
-100.0 To 9999. %

