

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

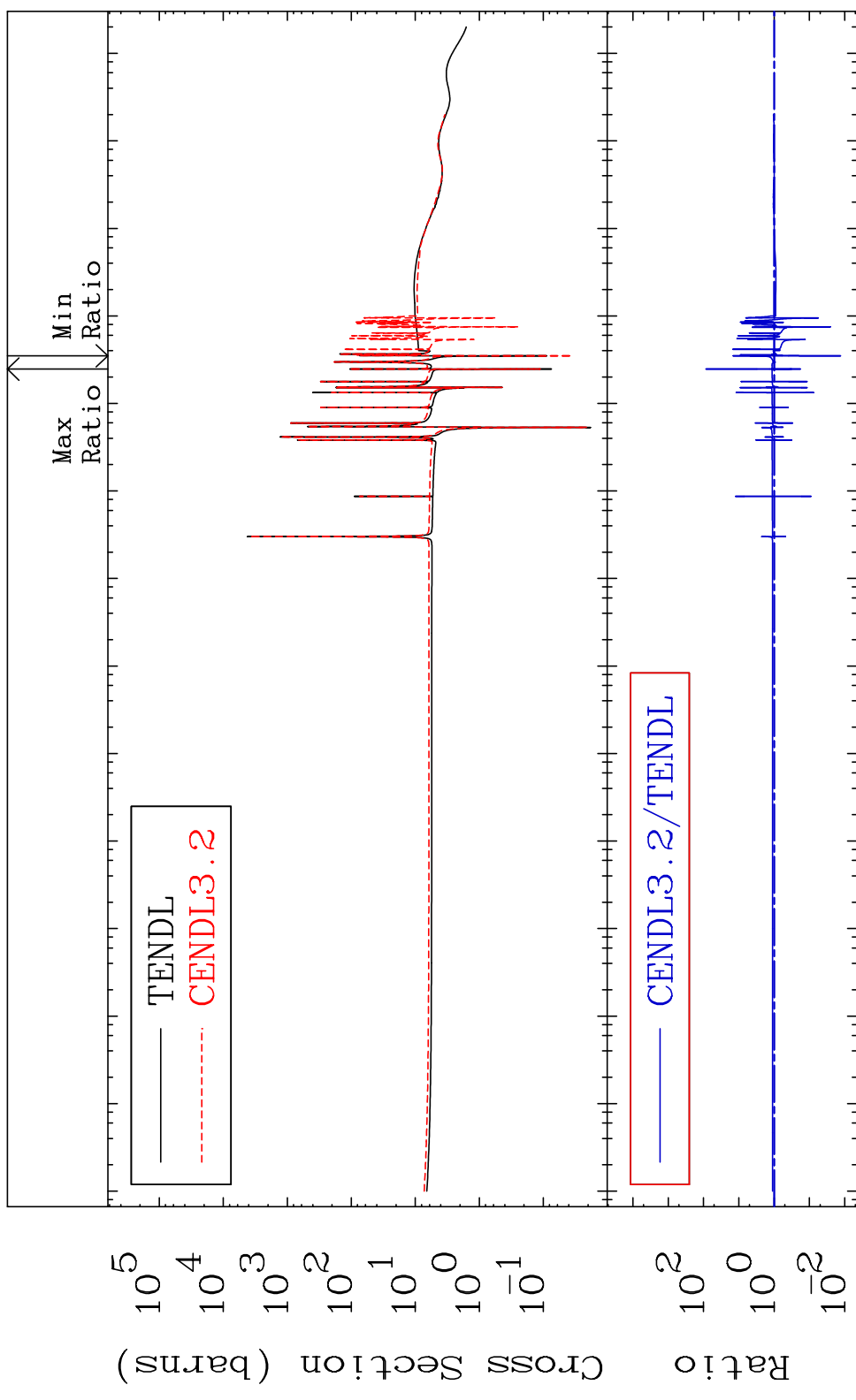
MAT 4043

Total

40-Zr-96

Cross Section

-98.67 To 8536. %



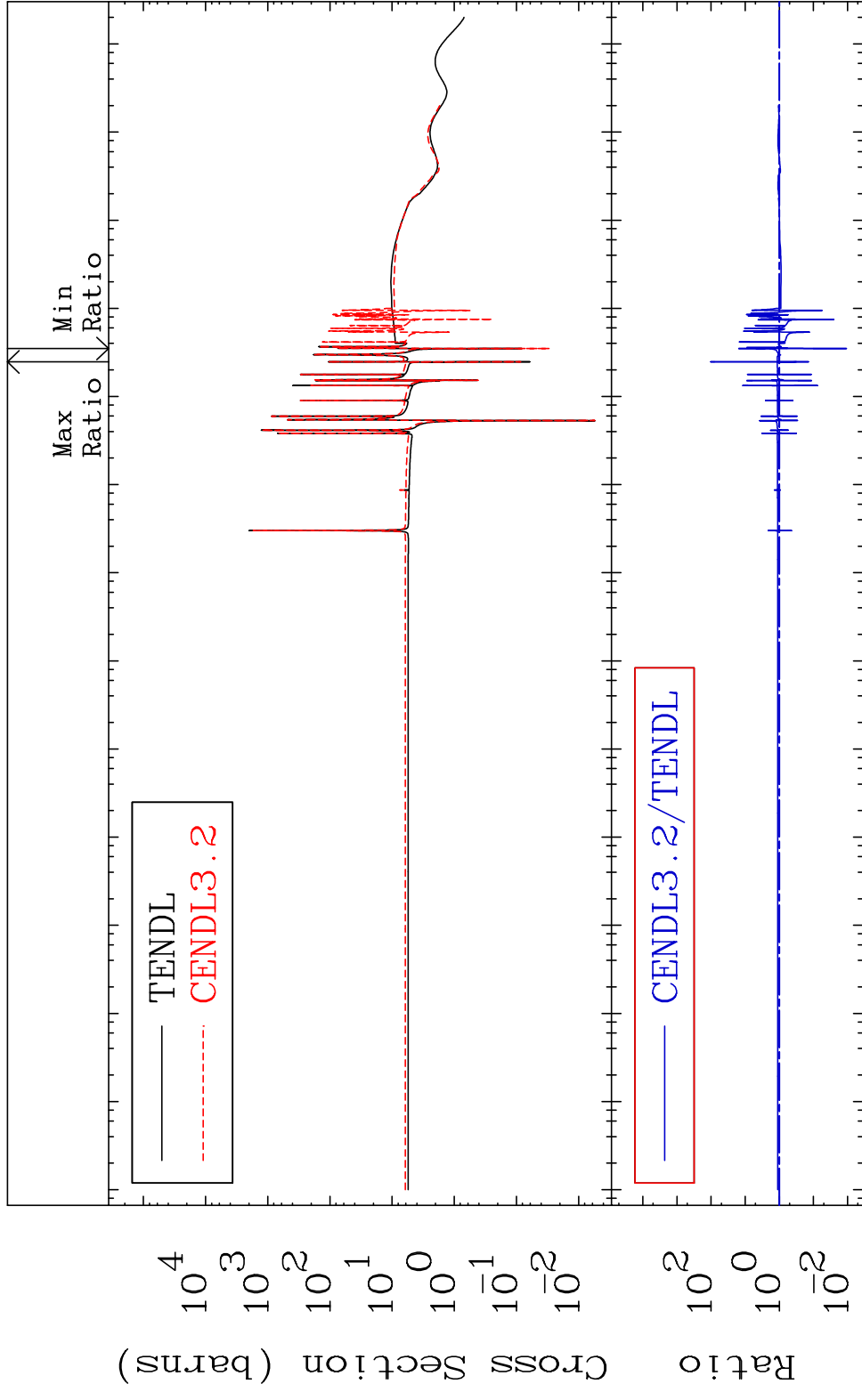
1

Incident Energy (eV)

40-Zr-96

MAT 4043

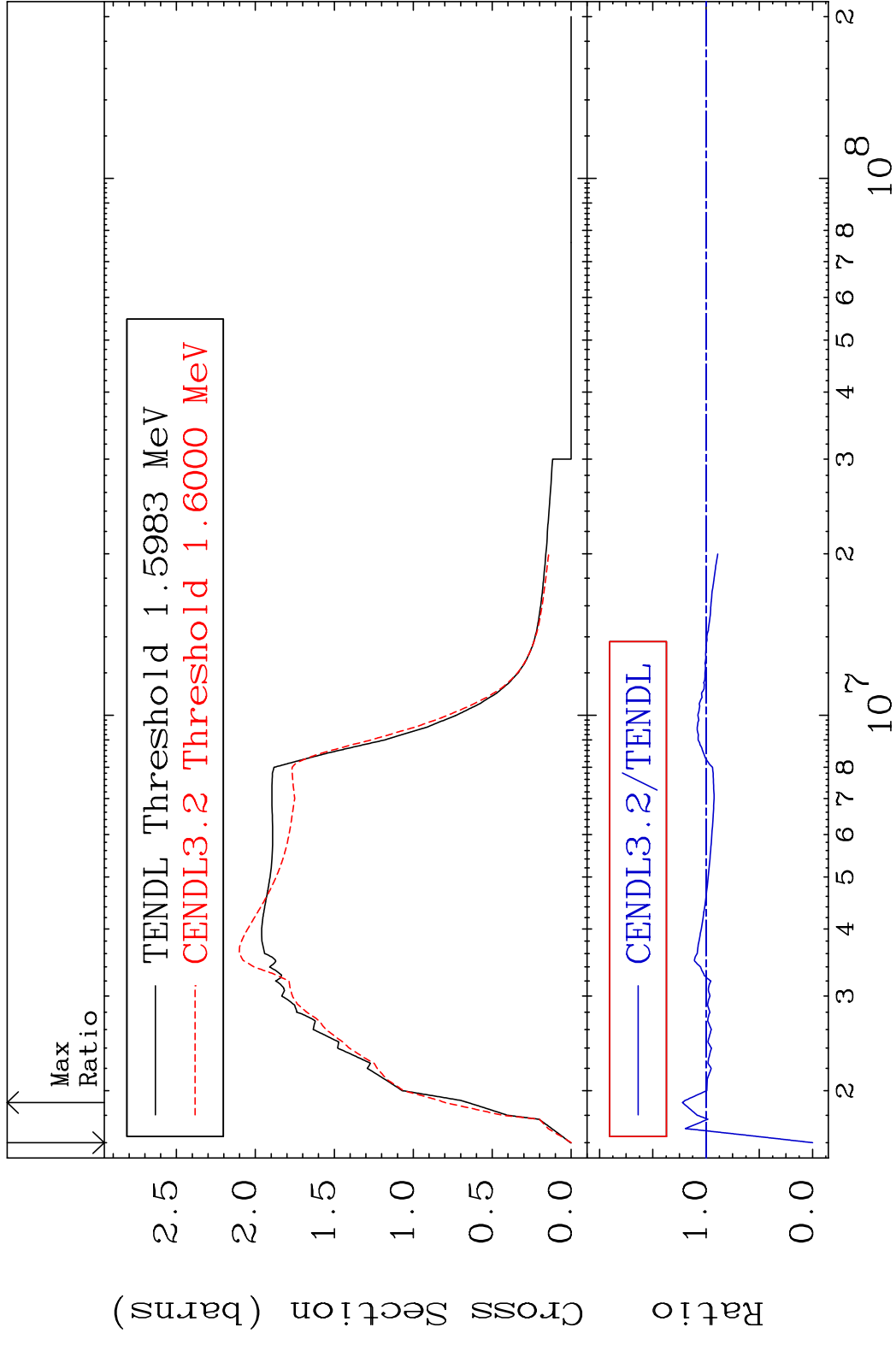
Elastic Cross Section -98.91 To 9999. % 40-Zr-96



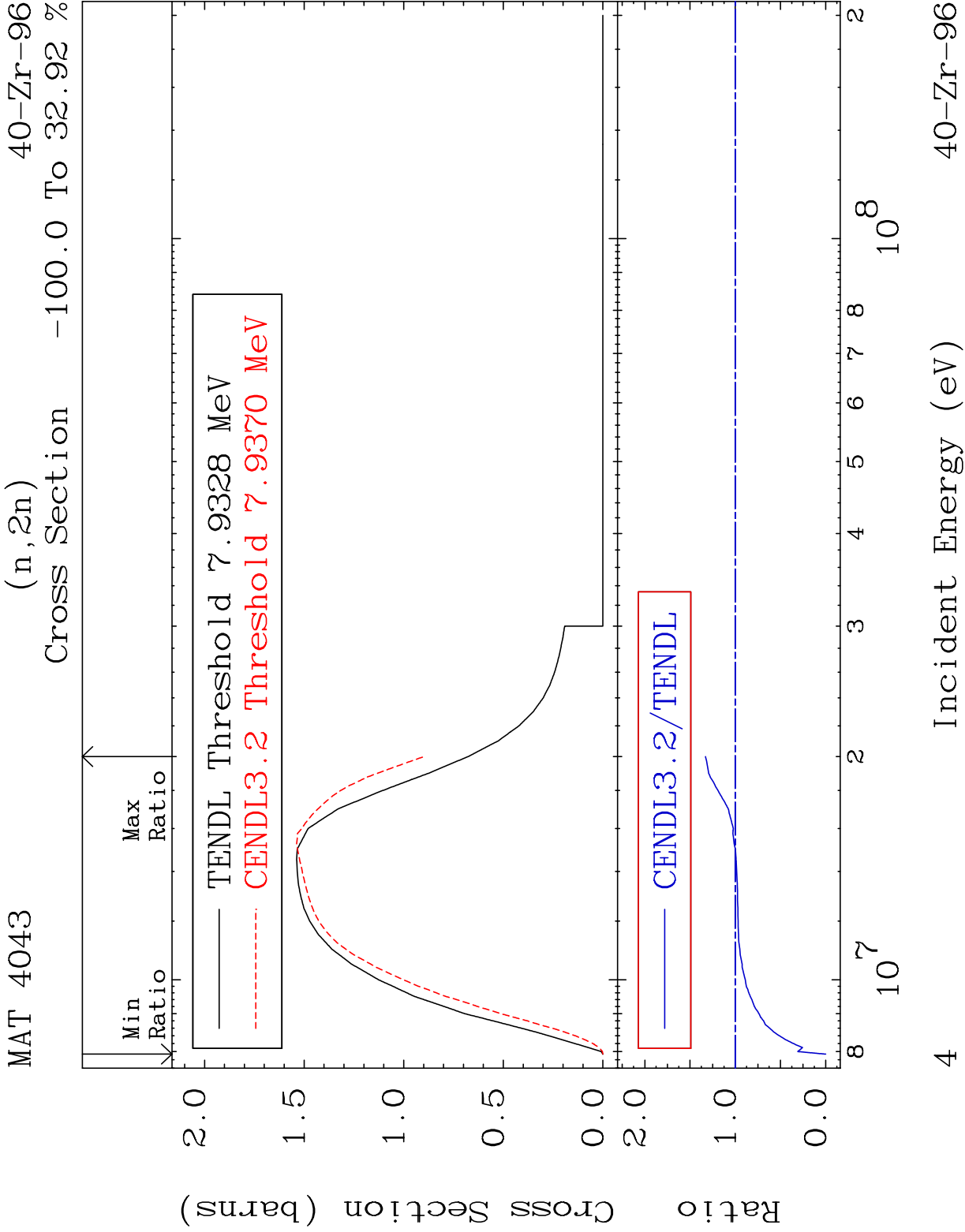
2

Incident Energy (eV) 40-Zr-96

MAT 4043 Inelastic 40-Zr-96
 Cross Section -100.0 To 22.24 %



3 Incident Energy (eV) 40-Zr-96

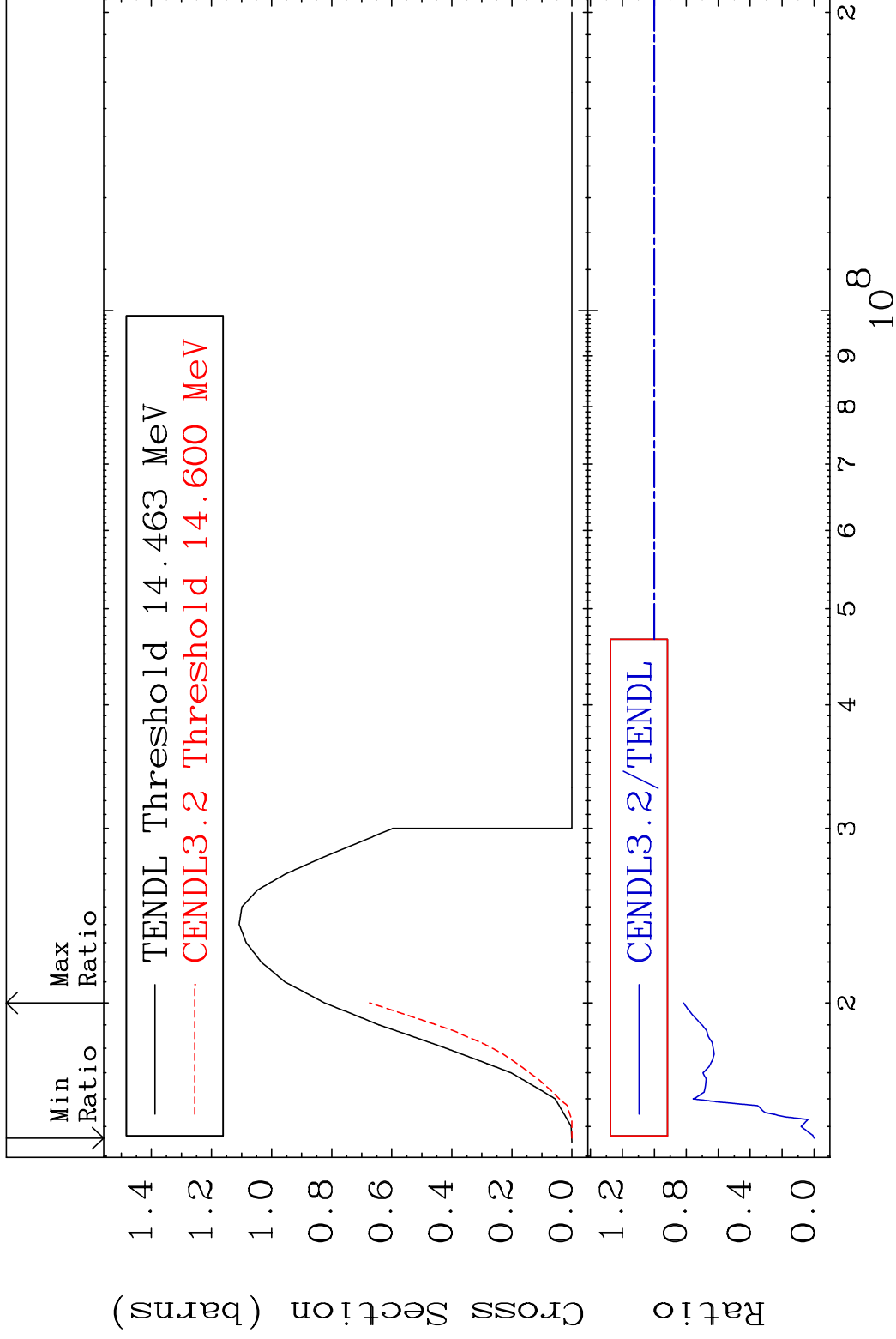


MAT 4043

(n,3n)

40-Zr-96

Cross Section -100.0 To -18.23%



5

Incident Energy (eV)

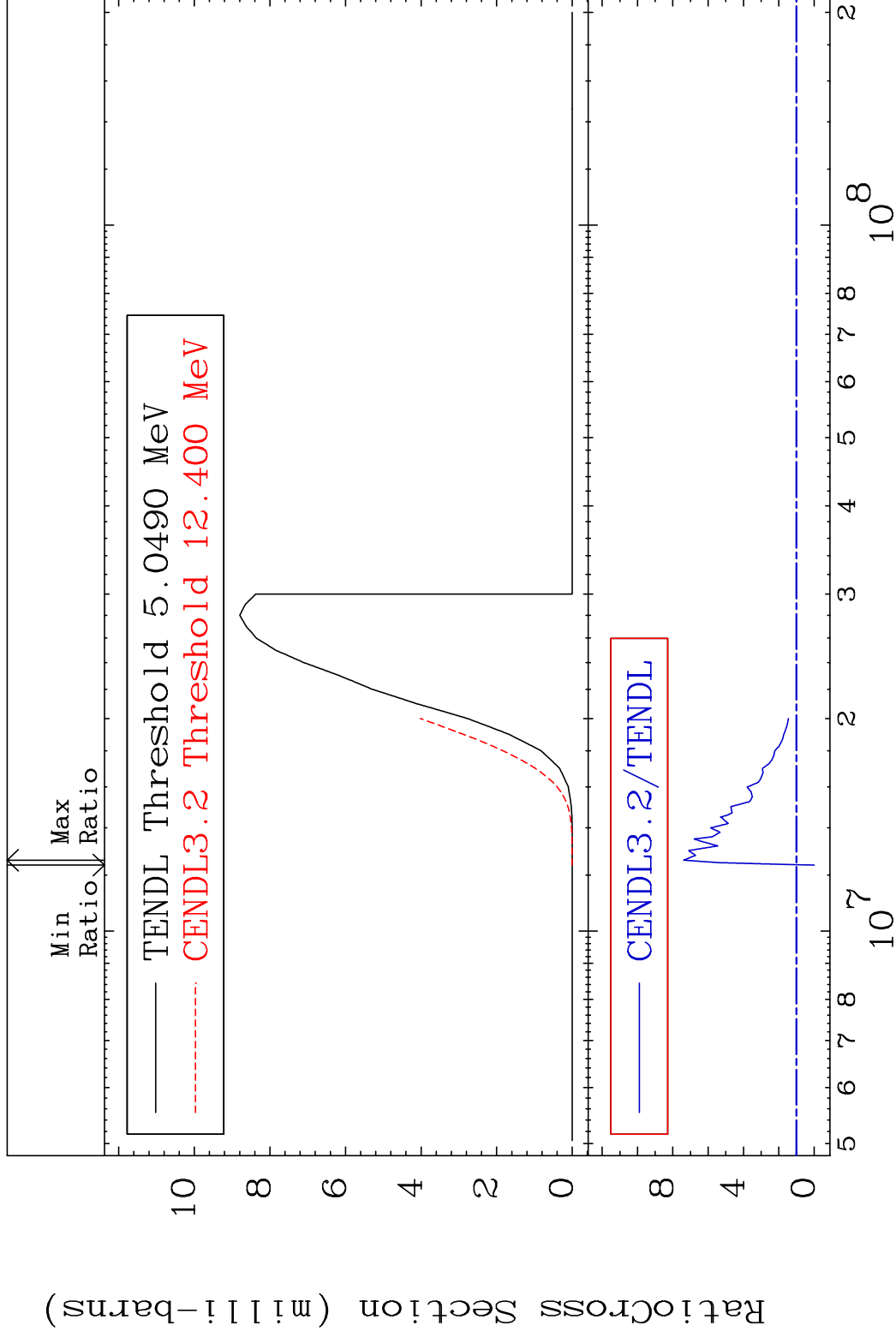
40-Zr-96

MAT 4043

(n, n') α

40-Zr-96

Cross Section -100.0 To 638.6 %



6

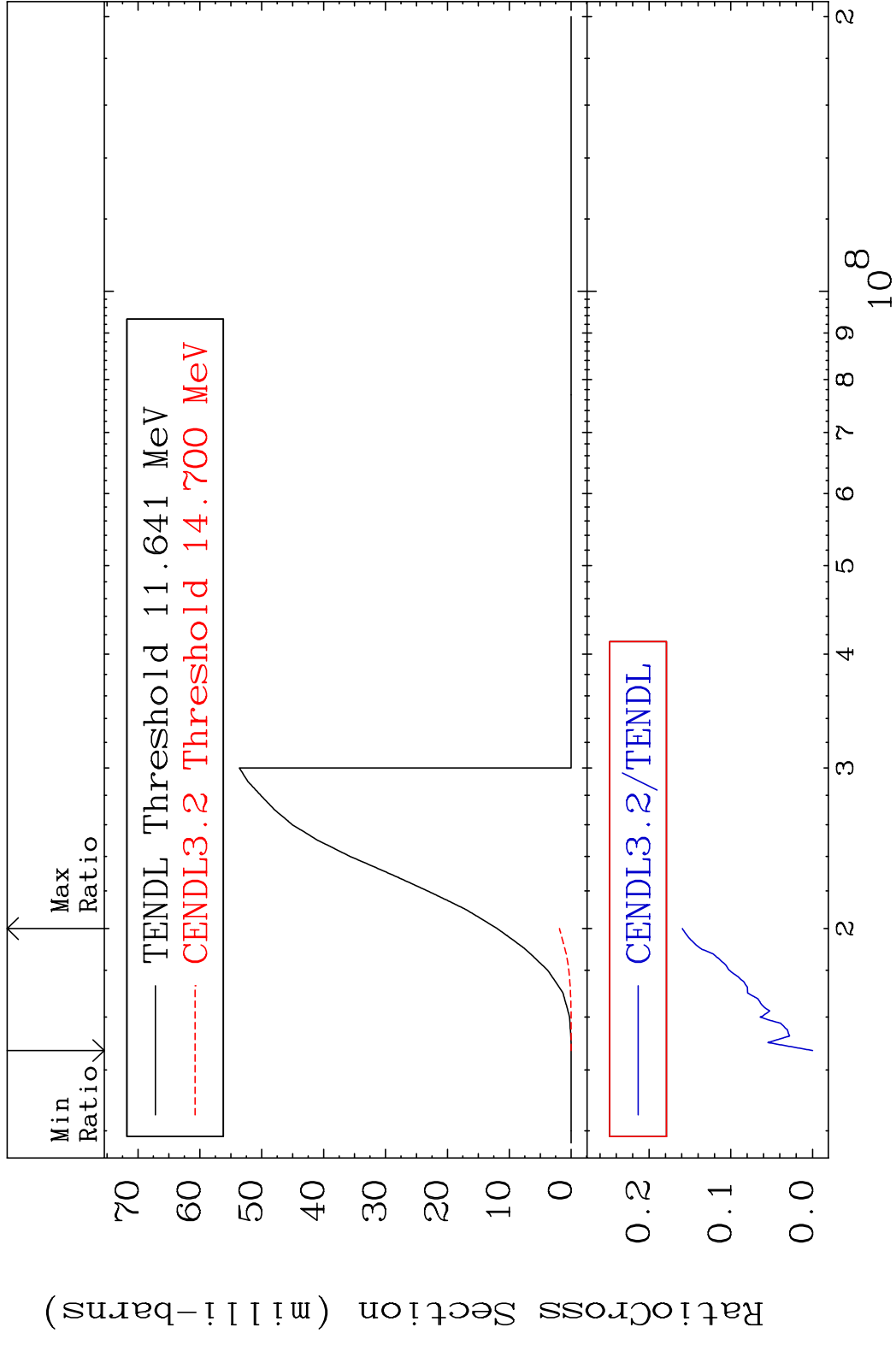
Incident Energy (eV)

40-Zr-96

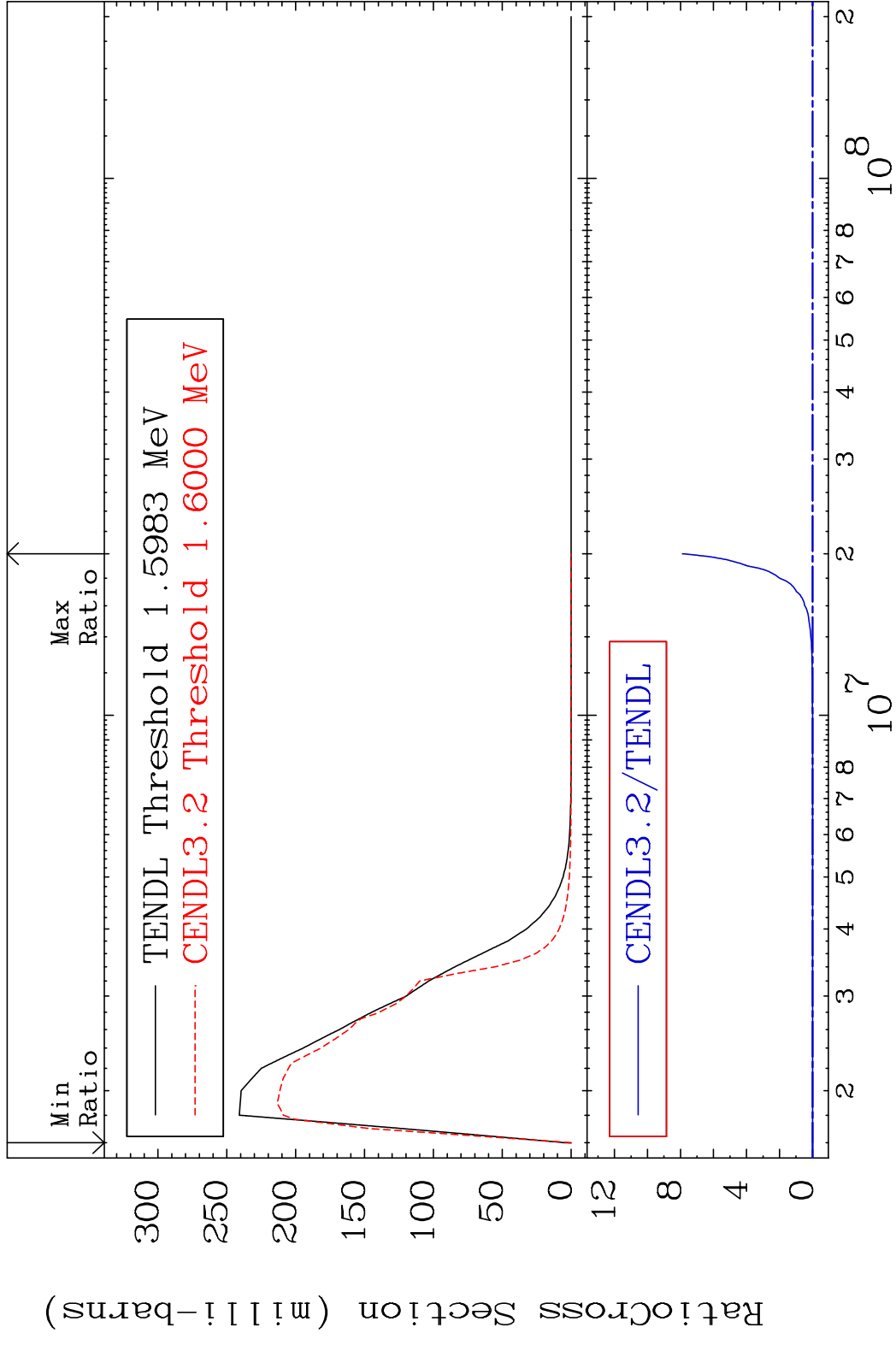
MAT 4043

(n, n') p
Cross Section -100.0 To -84.07%

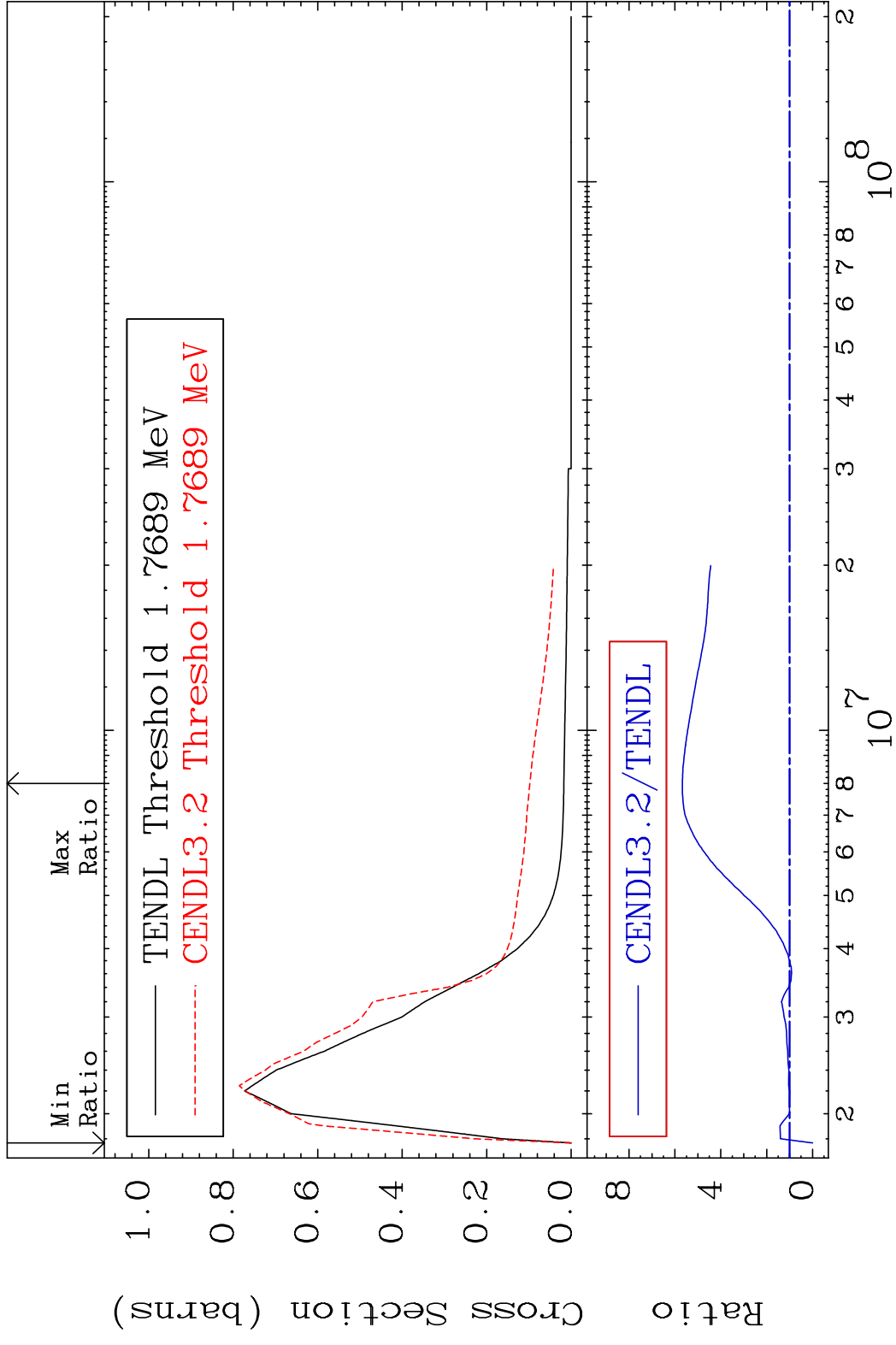
40-Zr-96



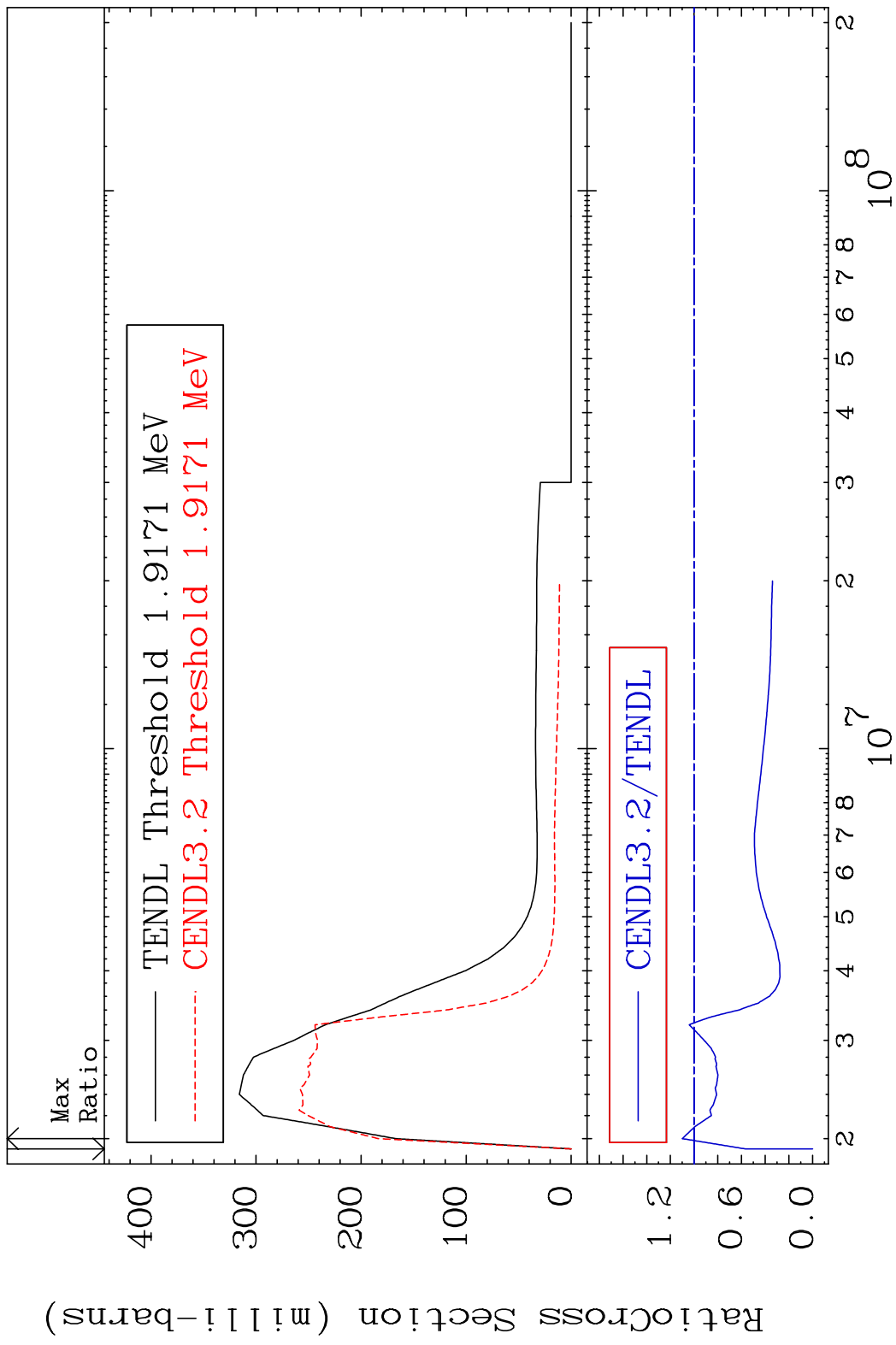
MAT 4043 MT= 51 (n, n') Level 40-Zr-96
 Cross Section -100.0 To 9999. %



MAT 4043 MT= 52 (n, n') Level 40-Zr-96
 Cross Section -100.0 To 467.6 %

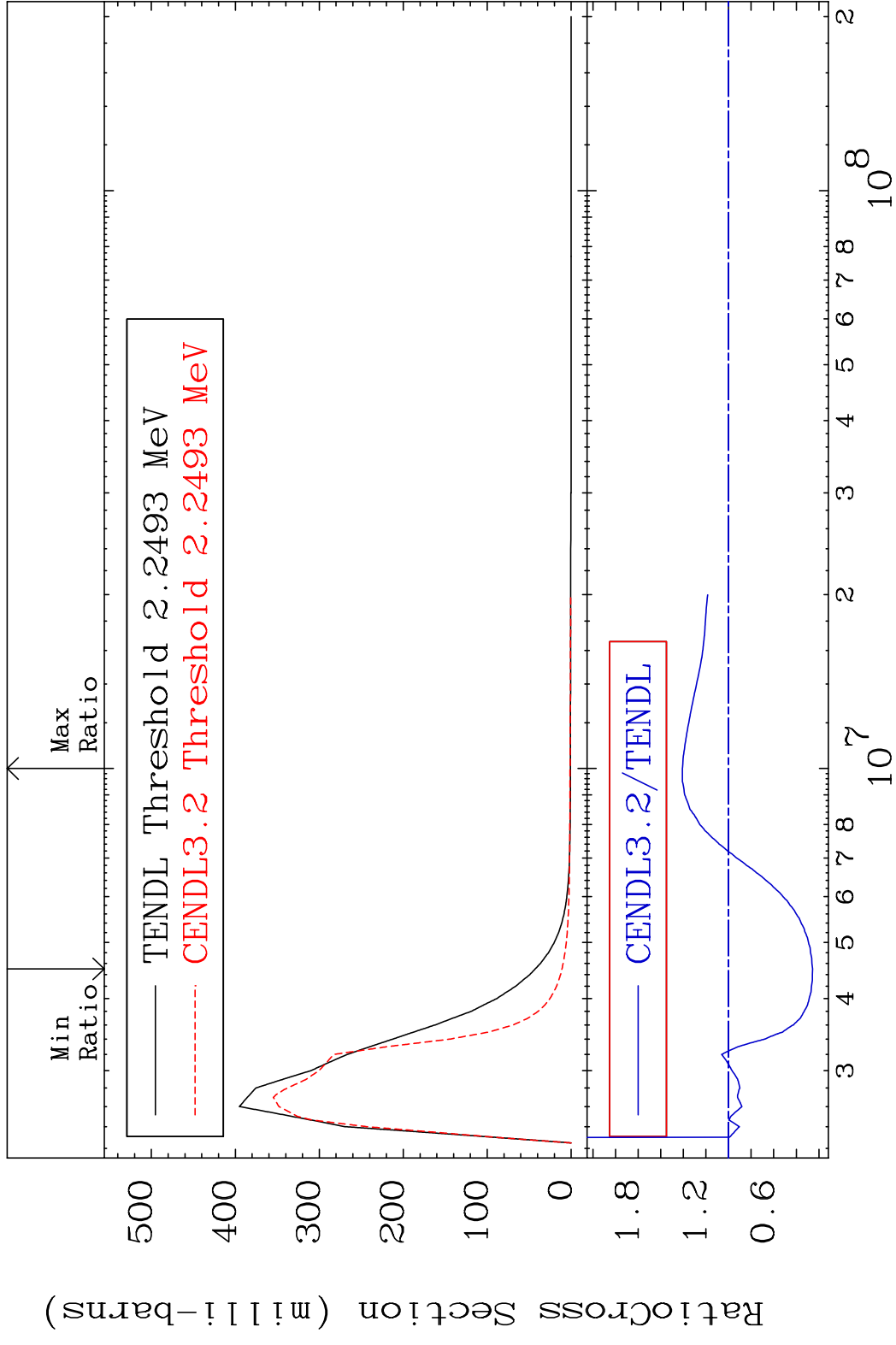


MAT 4043 MT= 53 (n, n') Level 40-Zr-96
 Cross Section -100.0 To 9.908 %

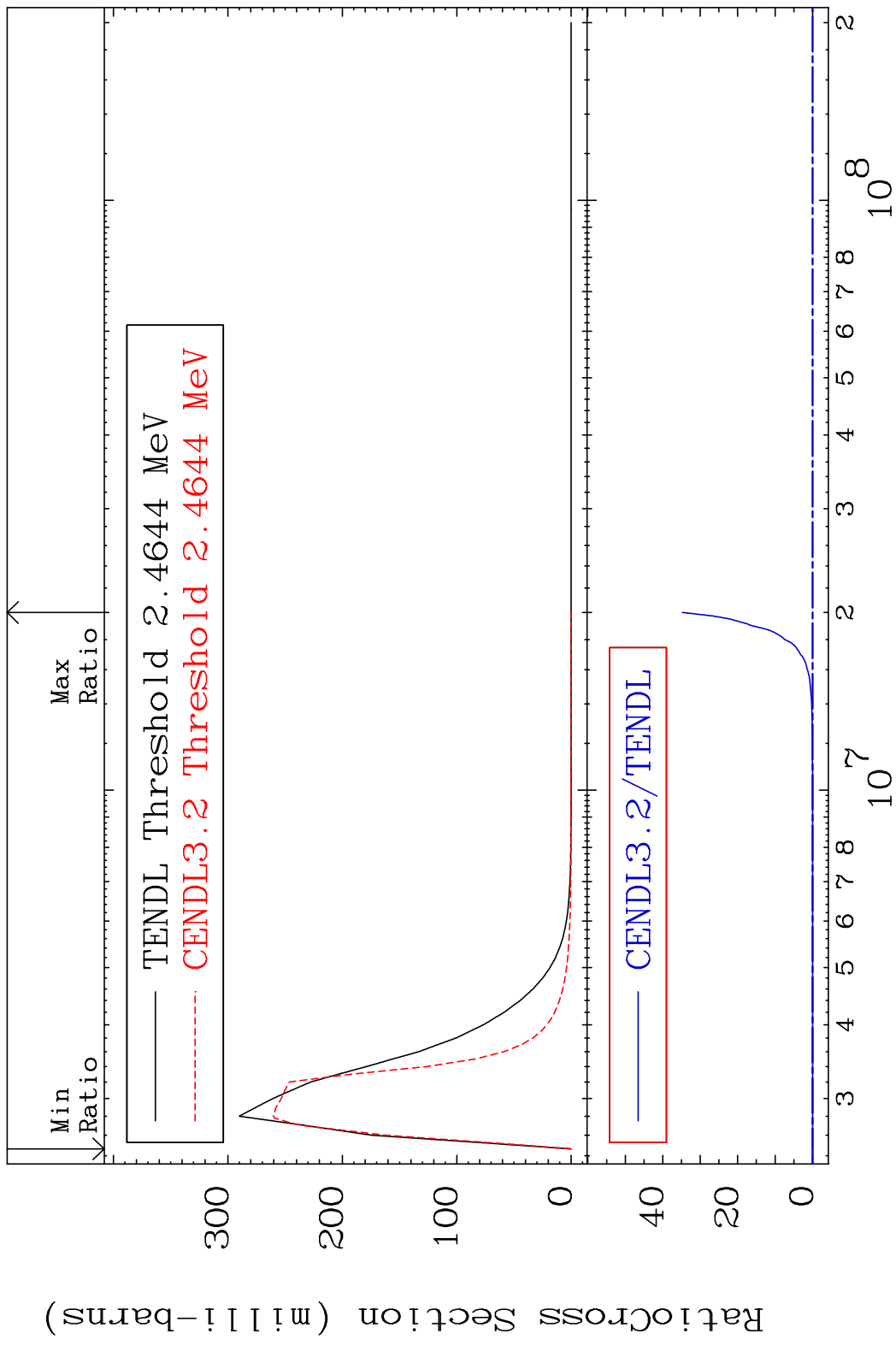


10 Incident Energy (eV) 40-Zr-96

MAT 4043 MT= 54 (n,n') Level 40-Zr-96
 Cross Section -74.38 To 40.85 %



MAT 4043 MT= 55 (n, n') Level 40-Zr-96
 Cross Section -100.0 To 9999. %



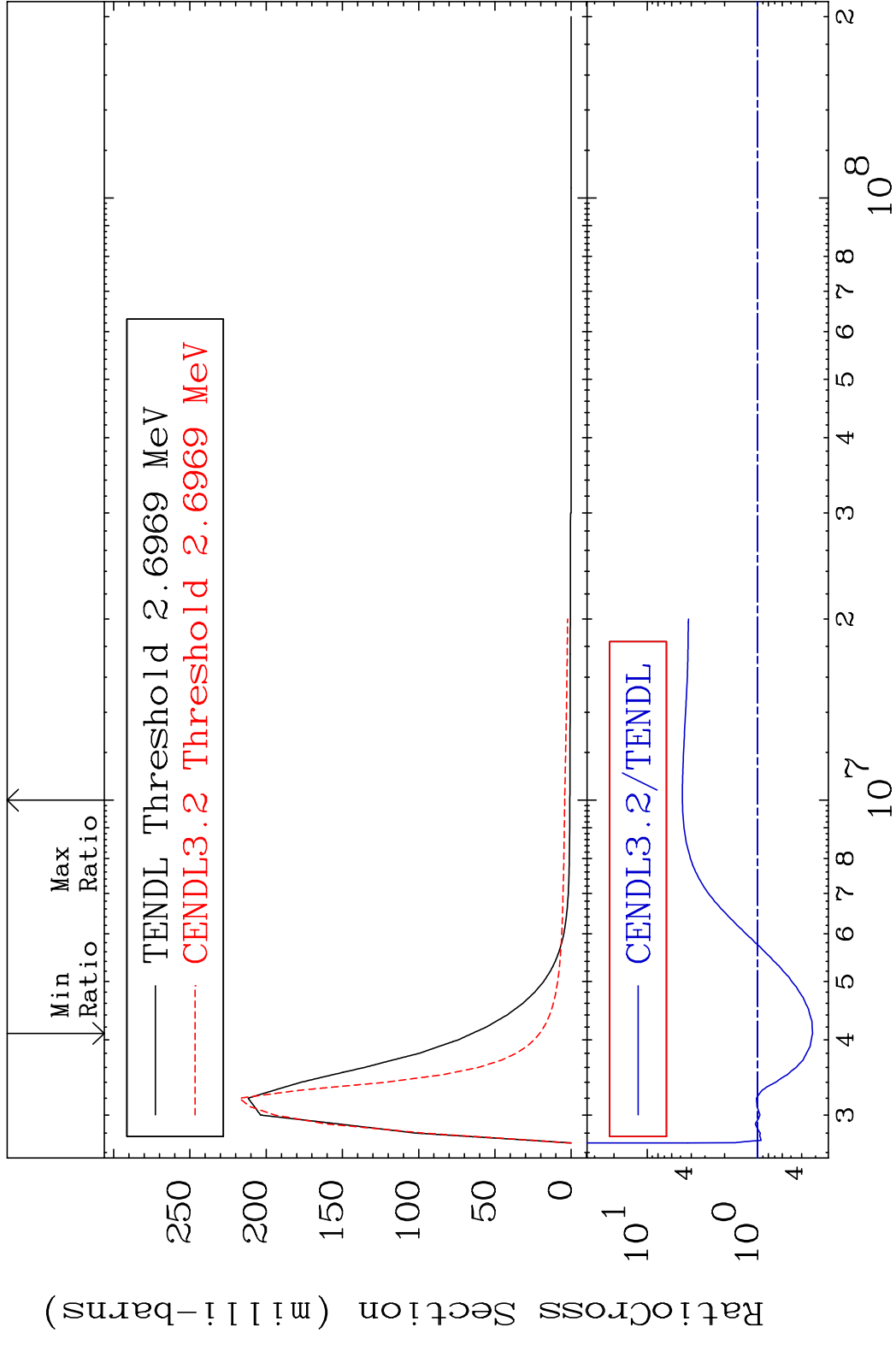
12 40-Zr-96

MAT 4043

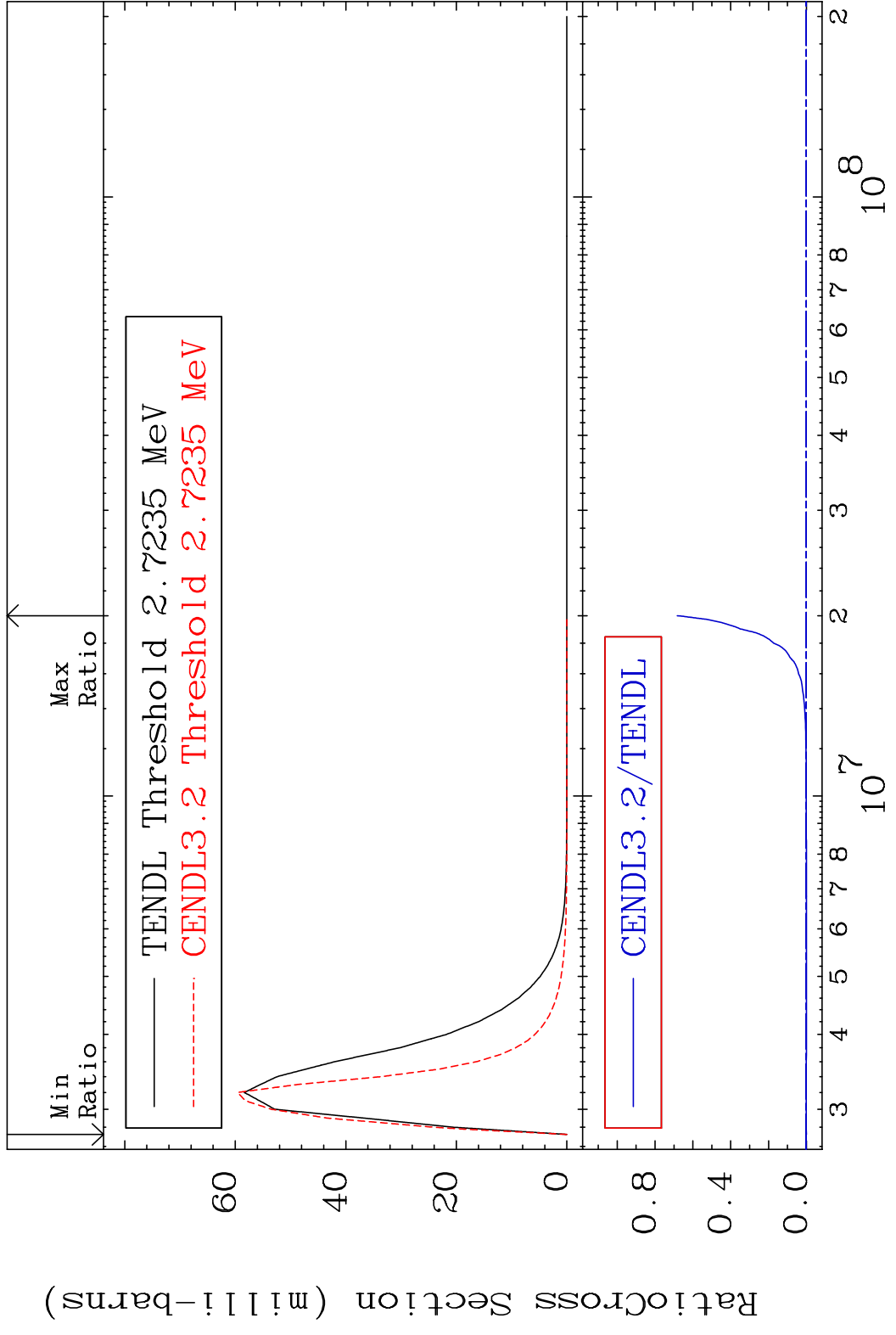
MT= 56 (n, n') Level

40-Zr-96

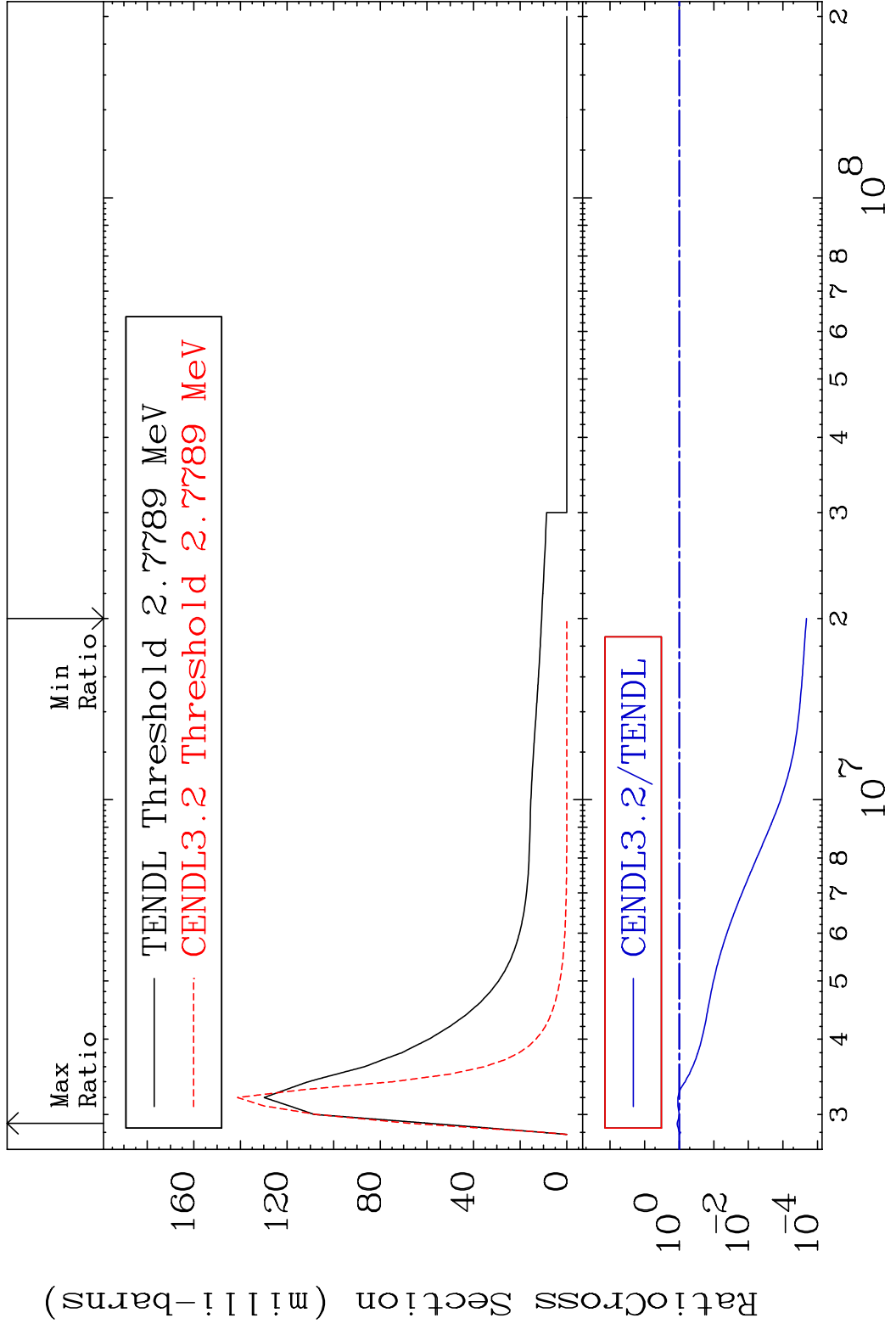
Cross Section -68.09 To 381.1 %



MAT 4043 MT= 57 (n, n') Level 40-Zr-96
 Cross Section -100.0 To 9999. %

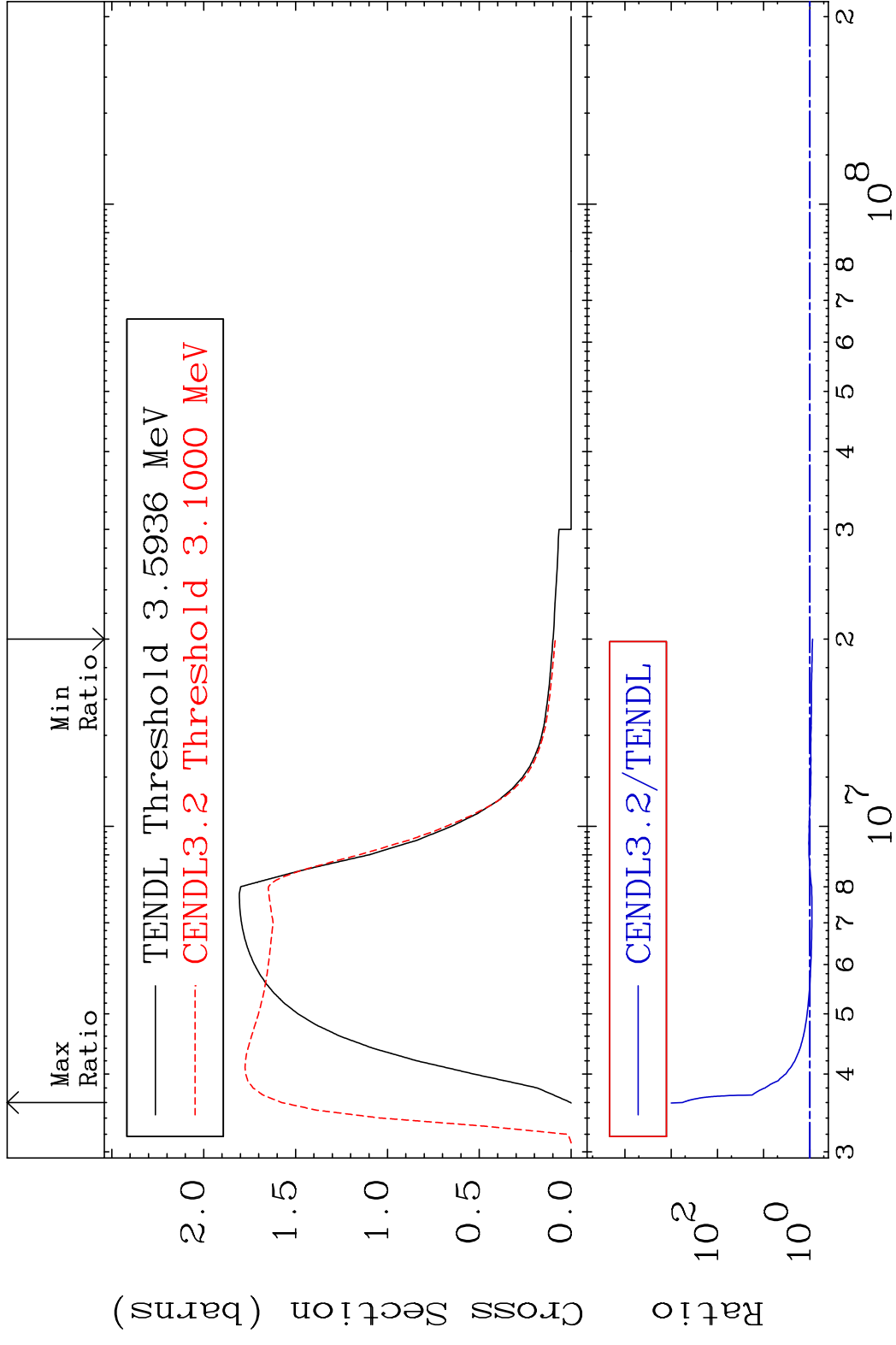


MAT 4043 MT= 58 (n,n') Level 40-Zr-96
 Cross Section -99.98 To 14.50 %



15 Incident Energy (eV) 40-Zr-96

MAT 4043 (n,n') Continuum 40-Zr-96
 Cross Section -12.31 To 9999. %

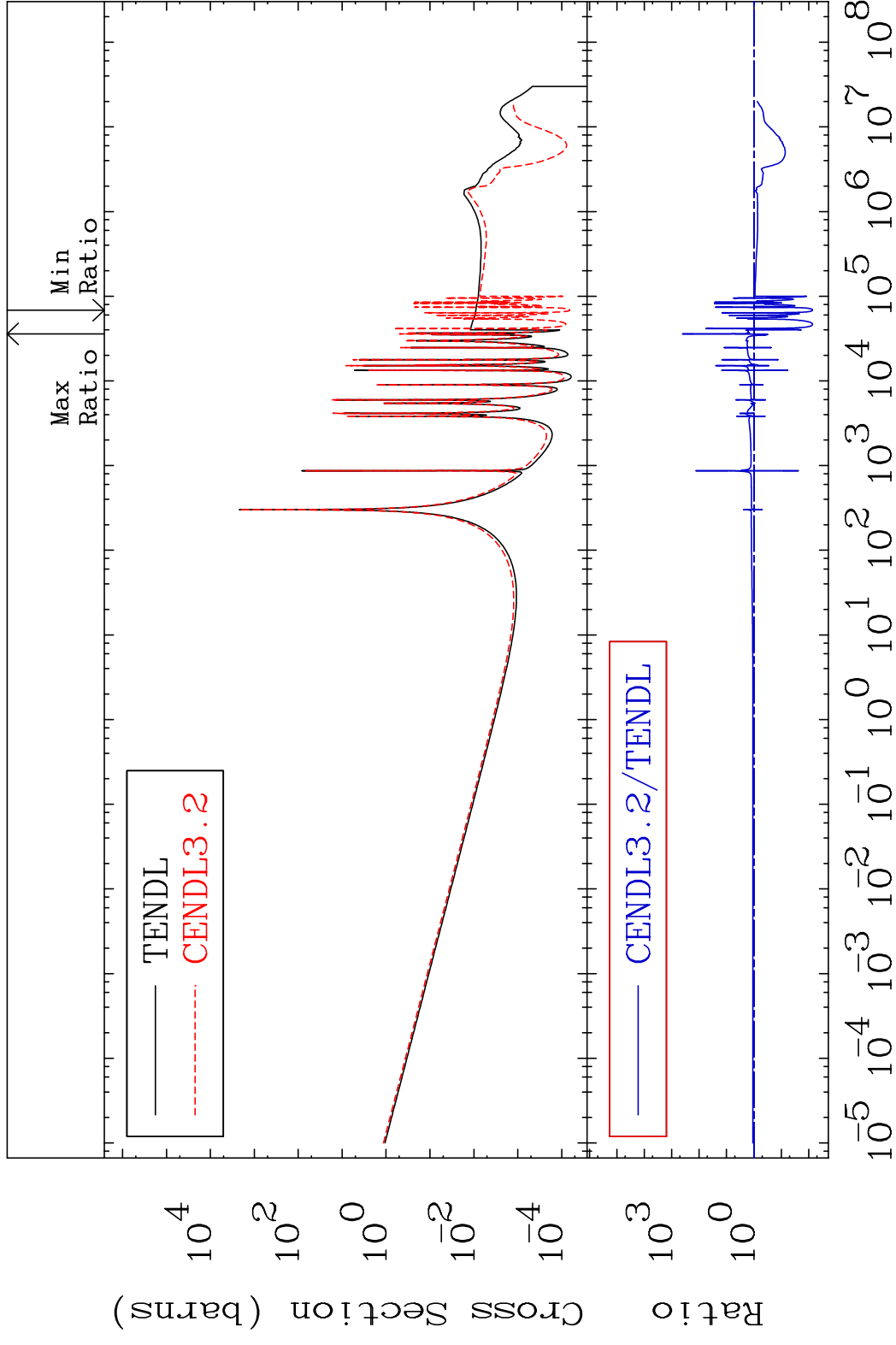


MAT 4043

40-Zr-96

(n, γ)

Cross Section -99.28 To 9999. %



17

Incident Energy (eV)

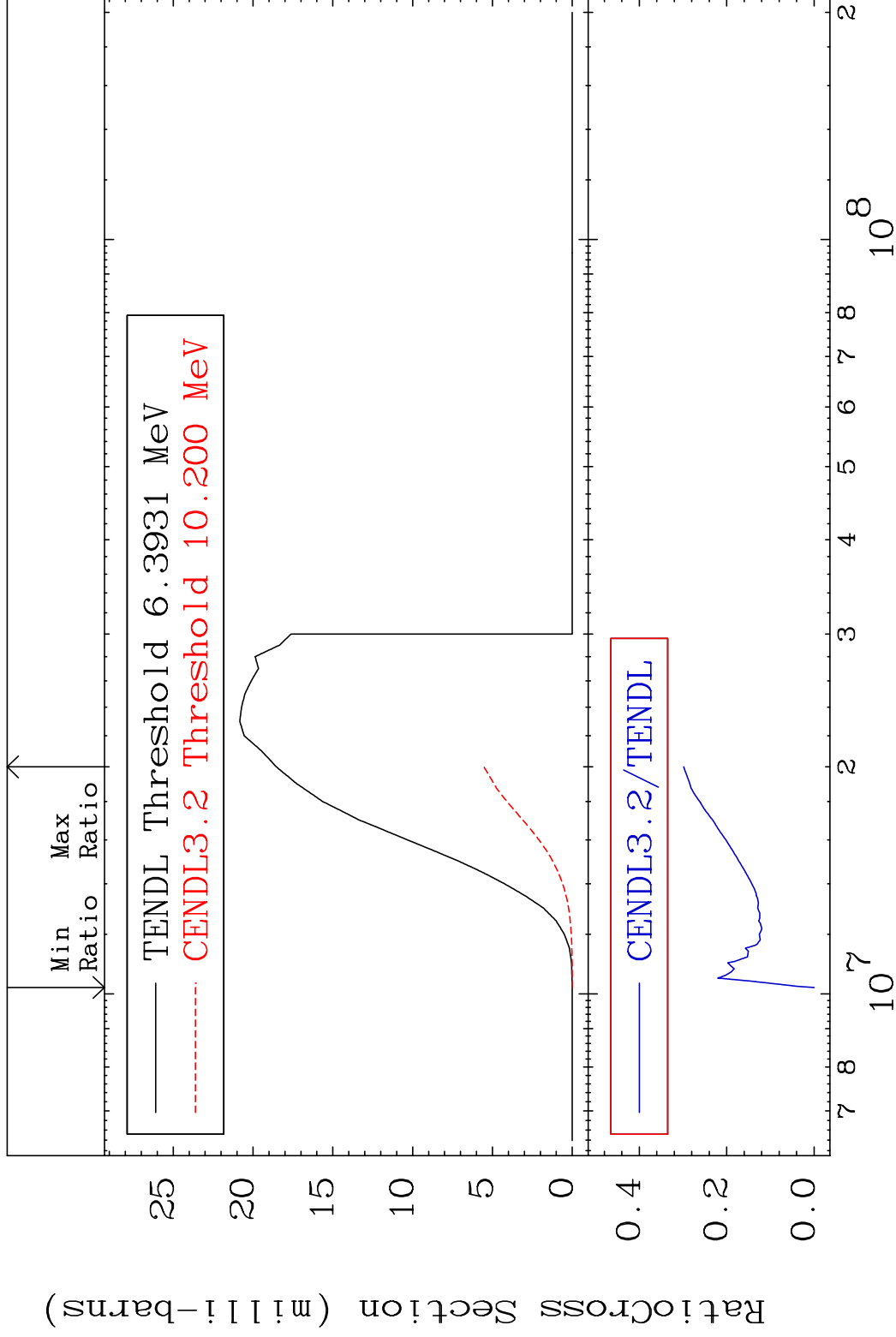
40-Zr-96

MAT 4043

(n, p)

40-Zr-96

Cross Section -100.0 To -70.15%



18

Incident Energy (eV)

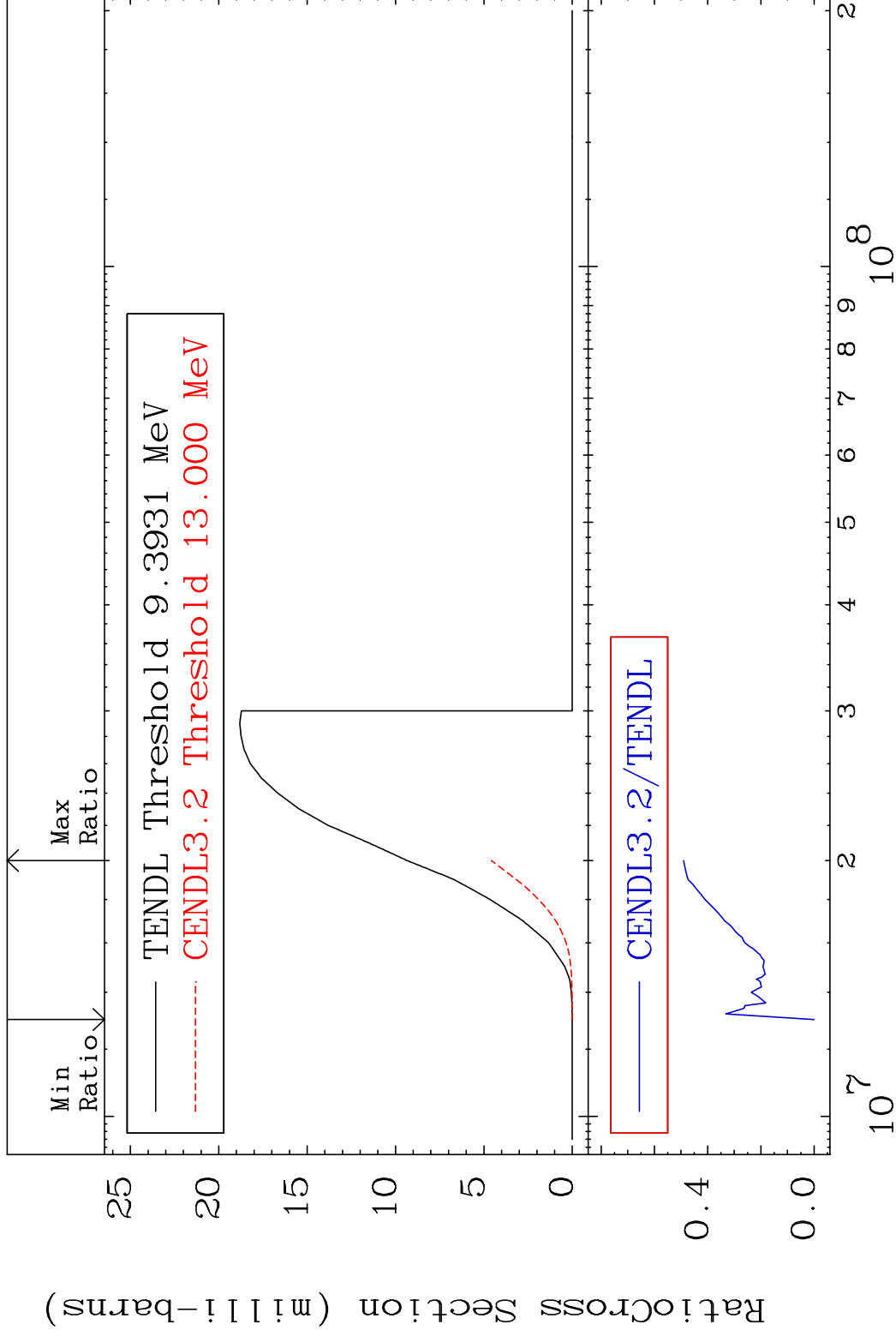
40-Zr-96

MAT 4043

(n, d)

40-Zr-96

Cross Section -100.0 To -51.00%



19

Incident Energy (eV)

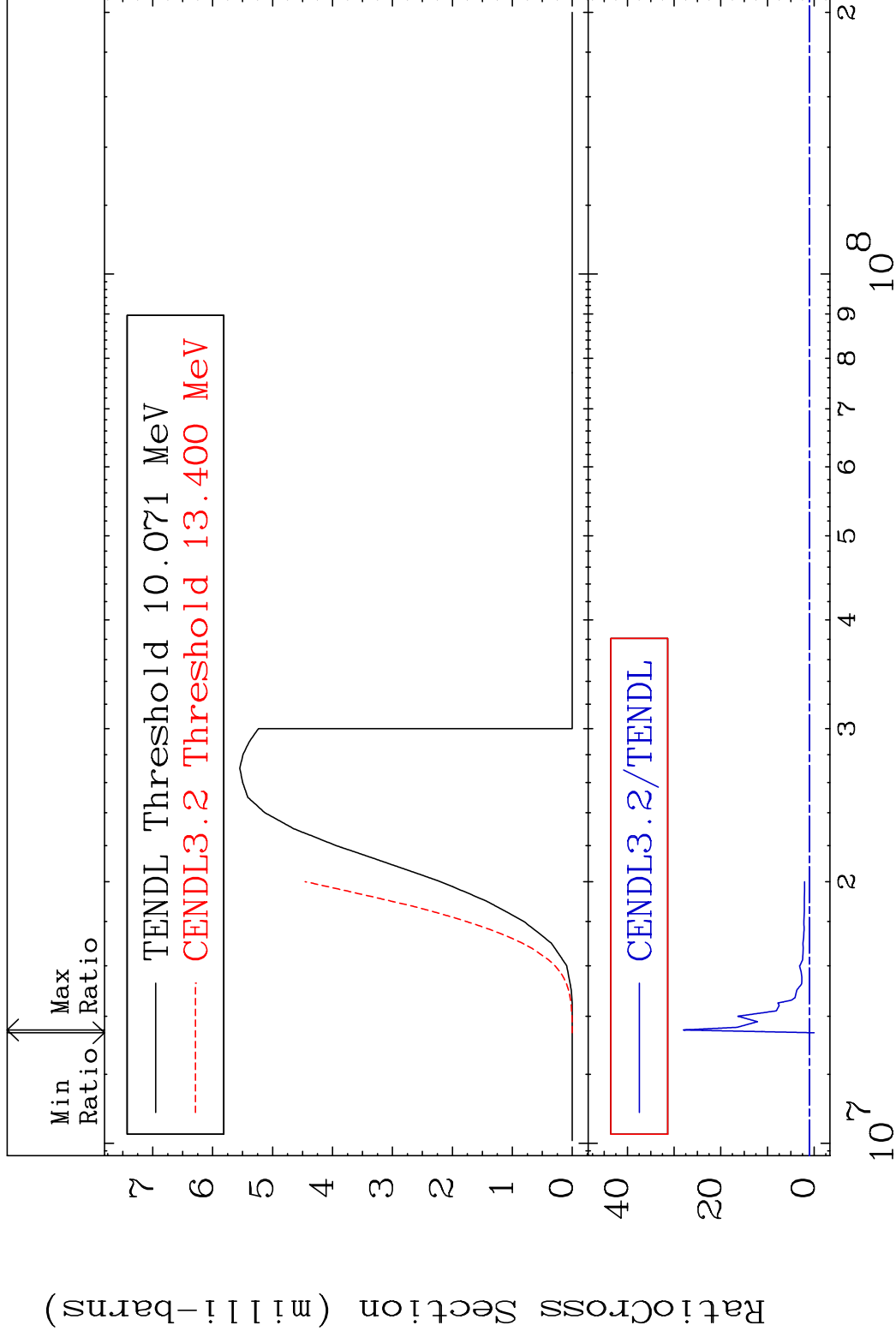
40-Zr-96

MAT 4043

(n, t)

40-Zr-96

Cross Section -100.0 To 2696. %



20

Incident Energy (eV)

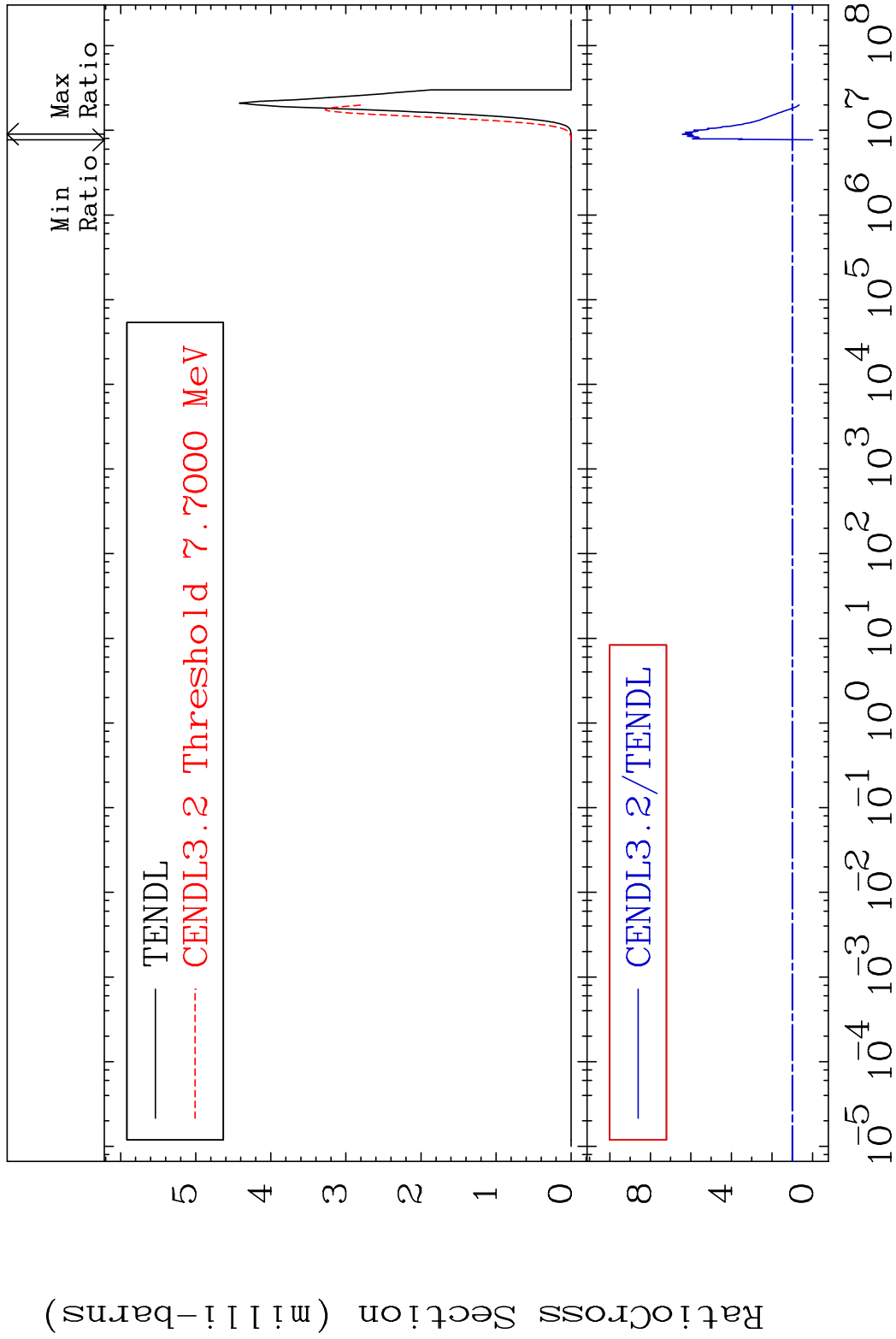
40-Zr-96

MAT 4043

(n, α)

40-Zr-96

Cross Section -100.0 To 542.2 %



21

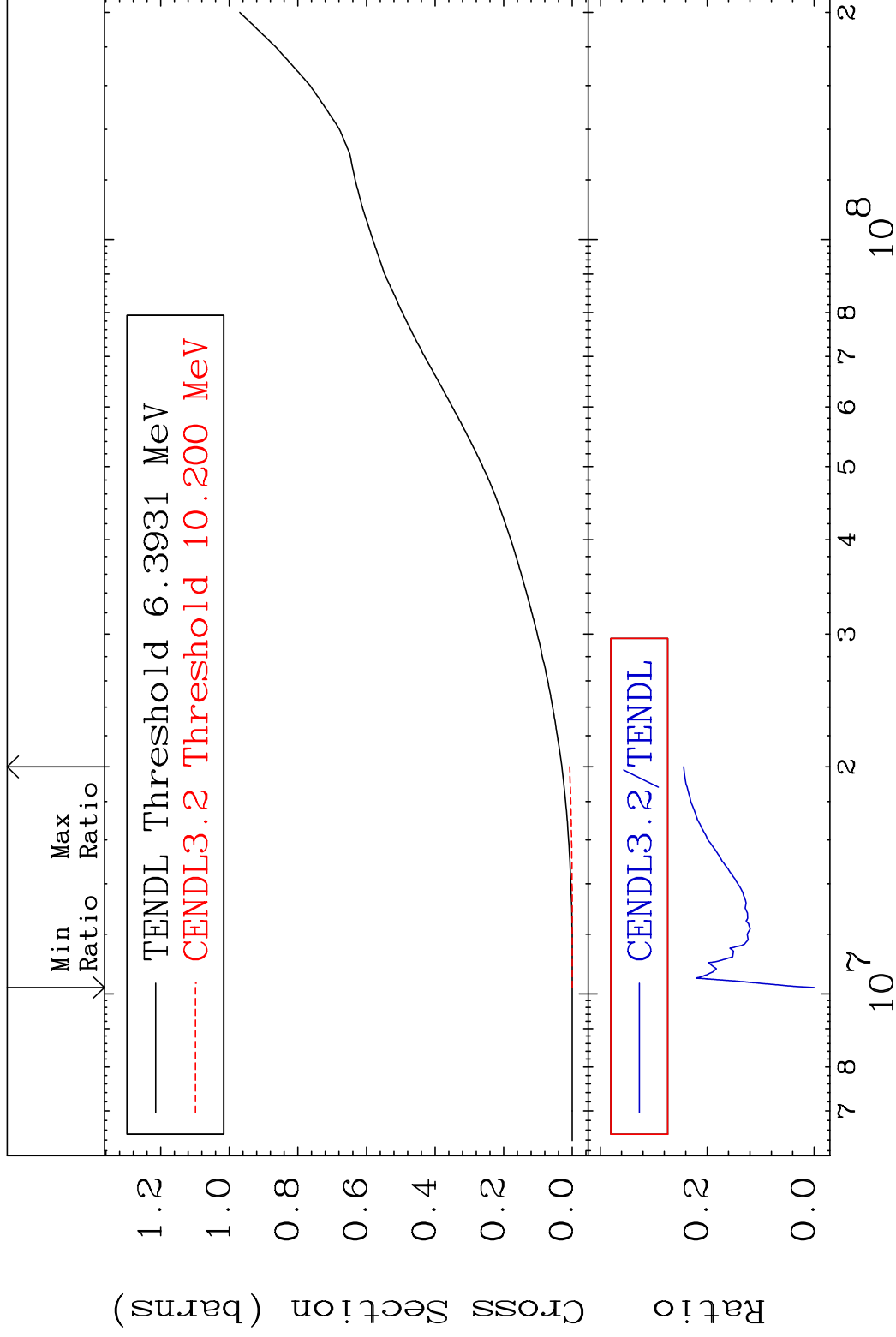
Incident Energy (eV)

40-Zr-96

MAT 4043

Hydrogen Production 40-Zr-96

Cross Section -100.0 To -75.61%

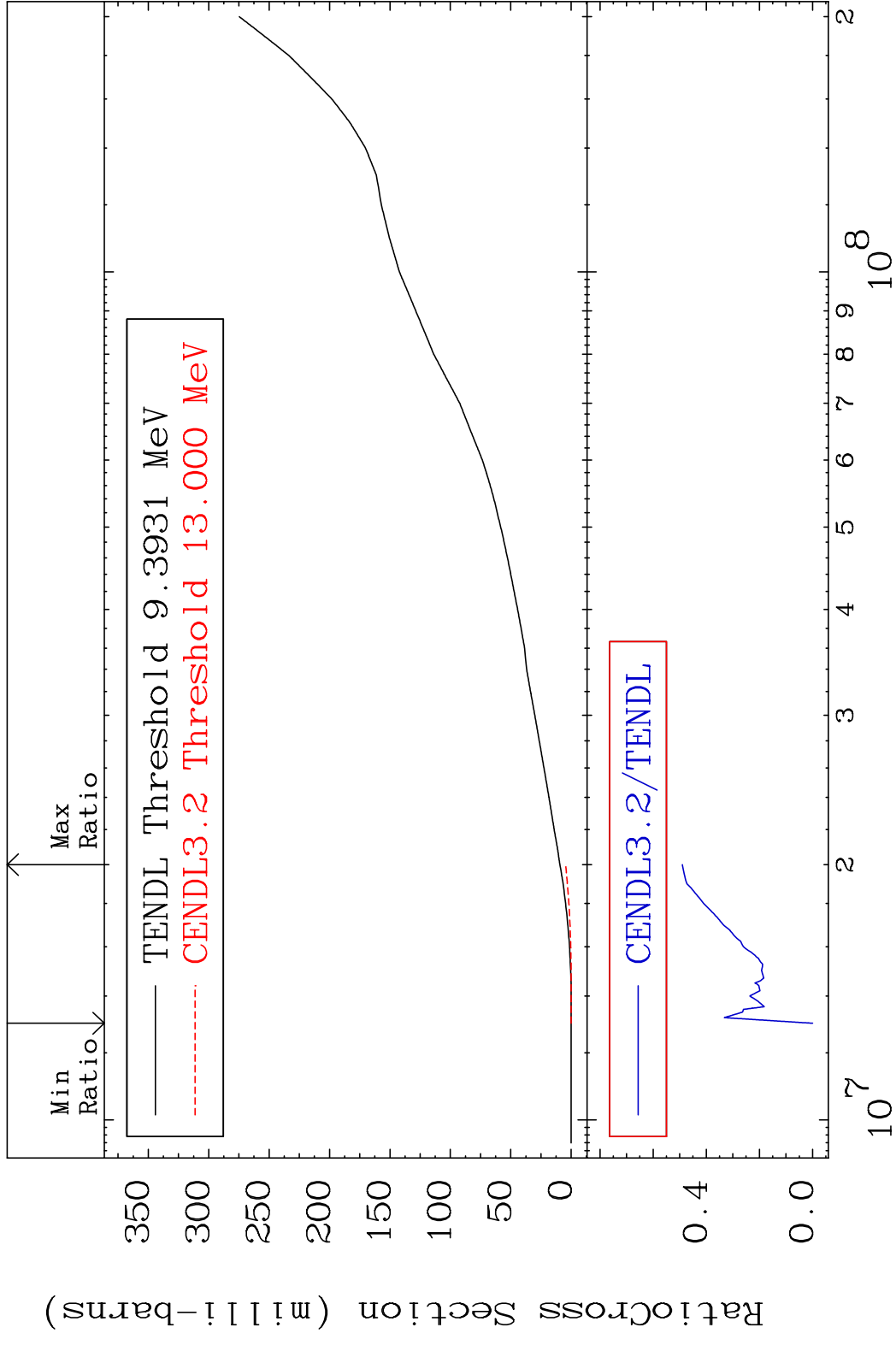


22

Incident Energy (eV) 40-Zr-96

MAT 4043

Deuterium Production 40-Zr-96
Cross Section -100.0 To -51.01%

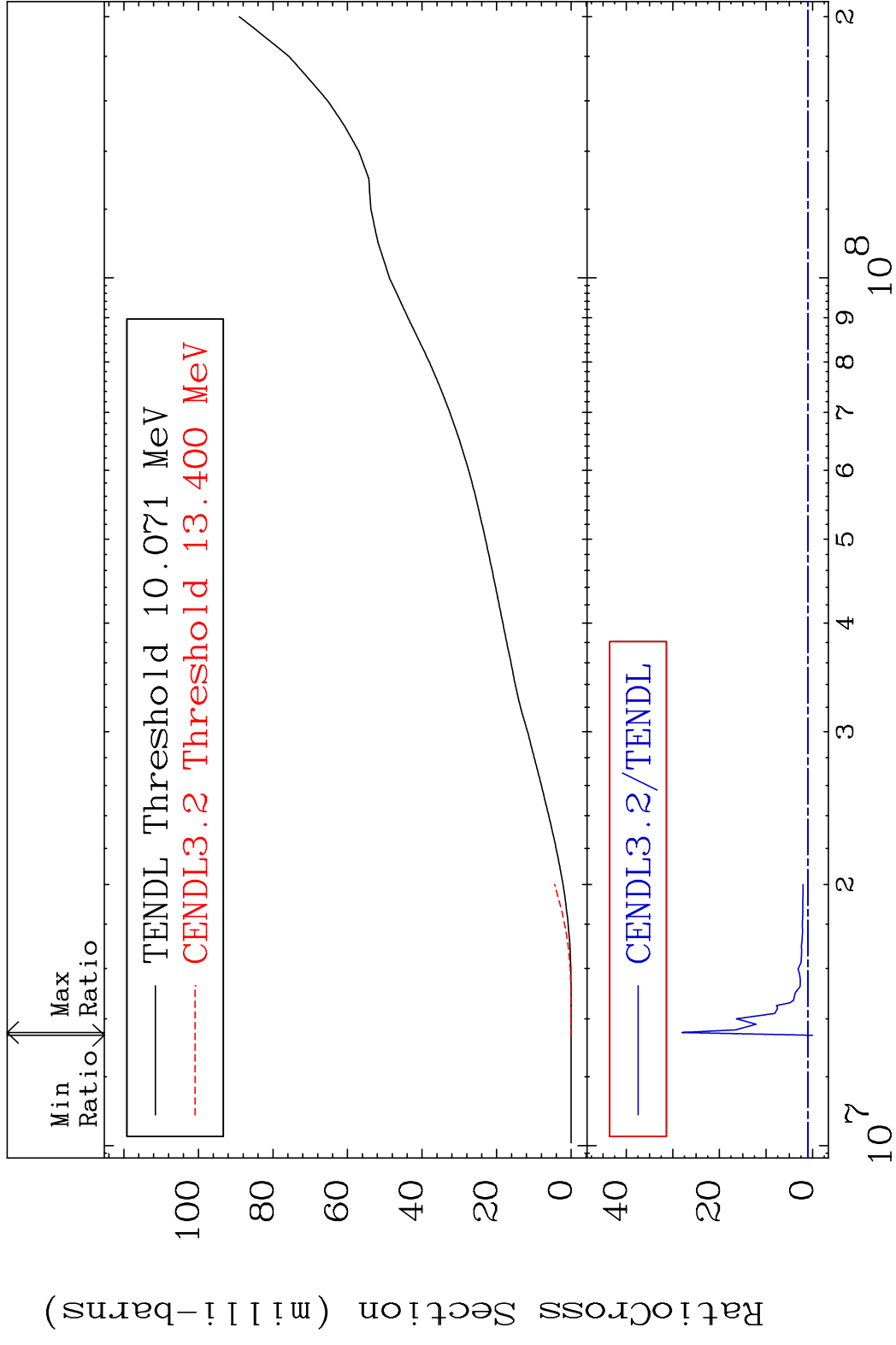


23

Incident Energy (eV) 40-Zr-96

MAT 4043

Tritium Production 40-Zr-96
Cross Section -100.0 To 2696. %



24

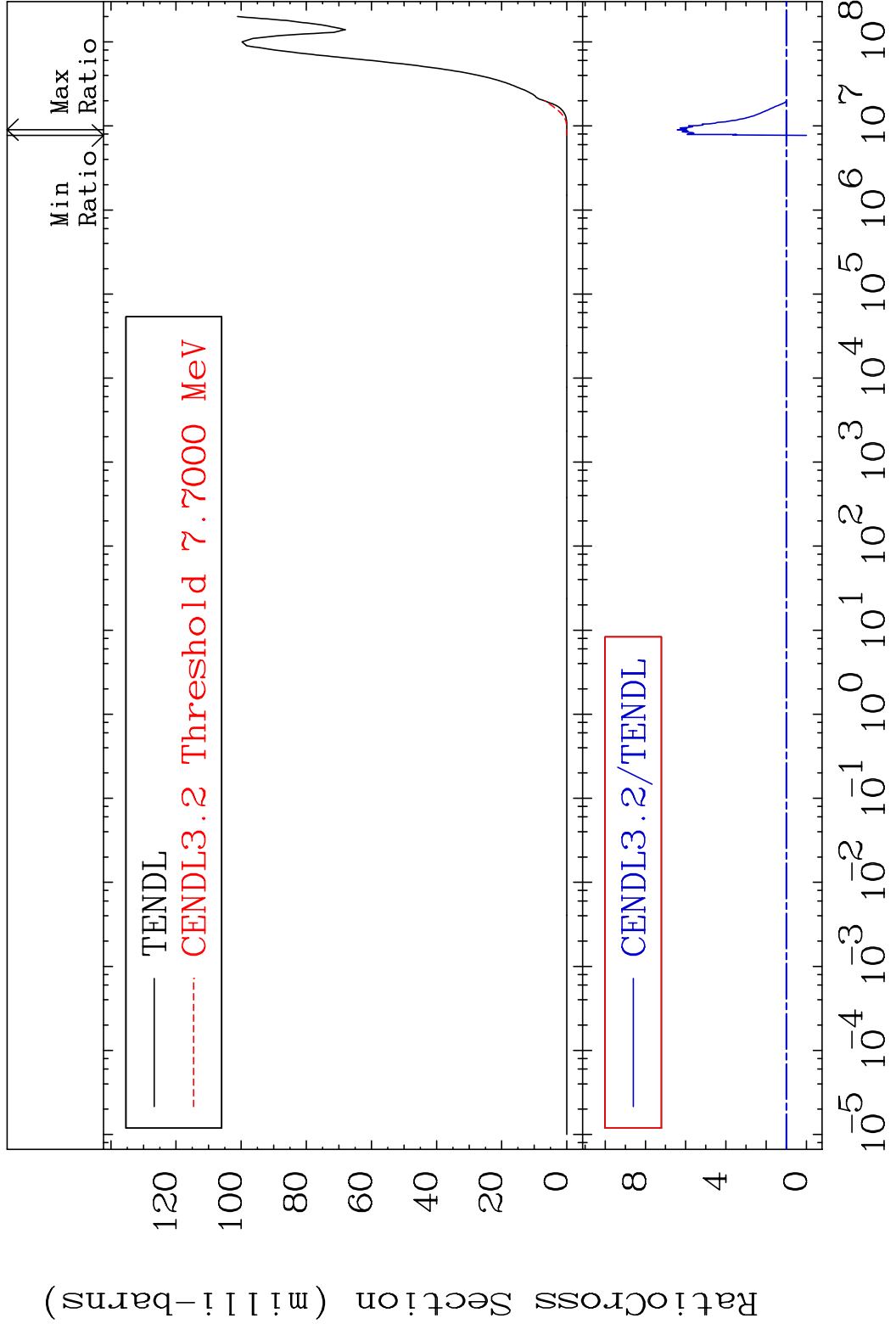
40-Zr-96

MAT 4043

He-4 Production

40-Zr-96

Cross Section -100.0 To 542.2 %

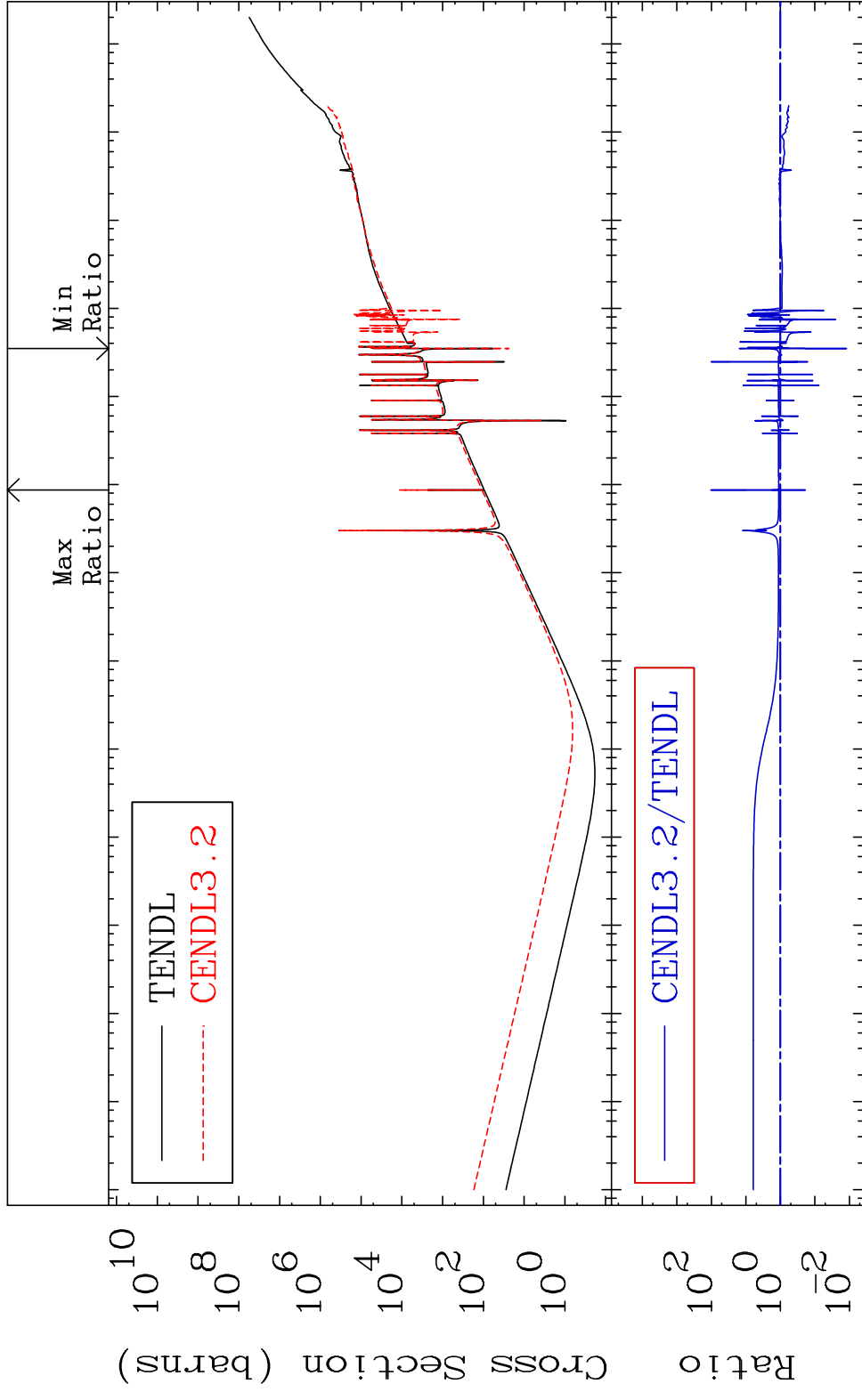


25

Incident Energy (eV)

40-Zr-96

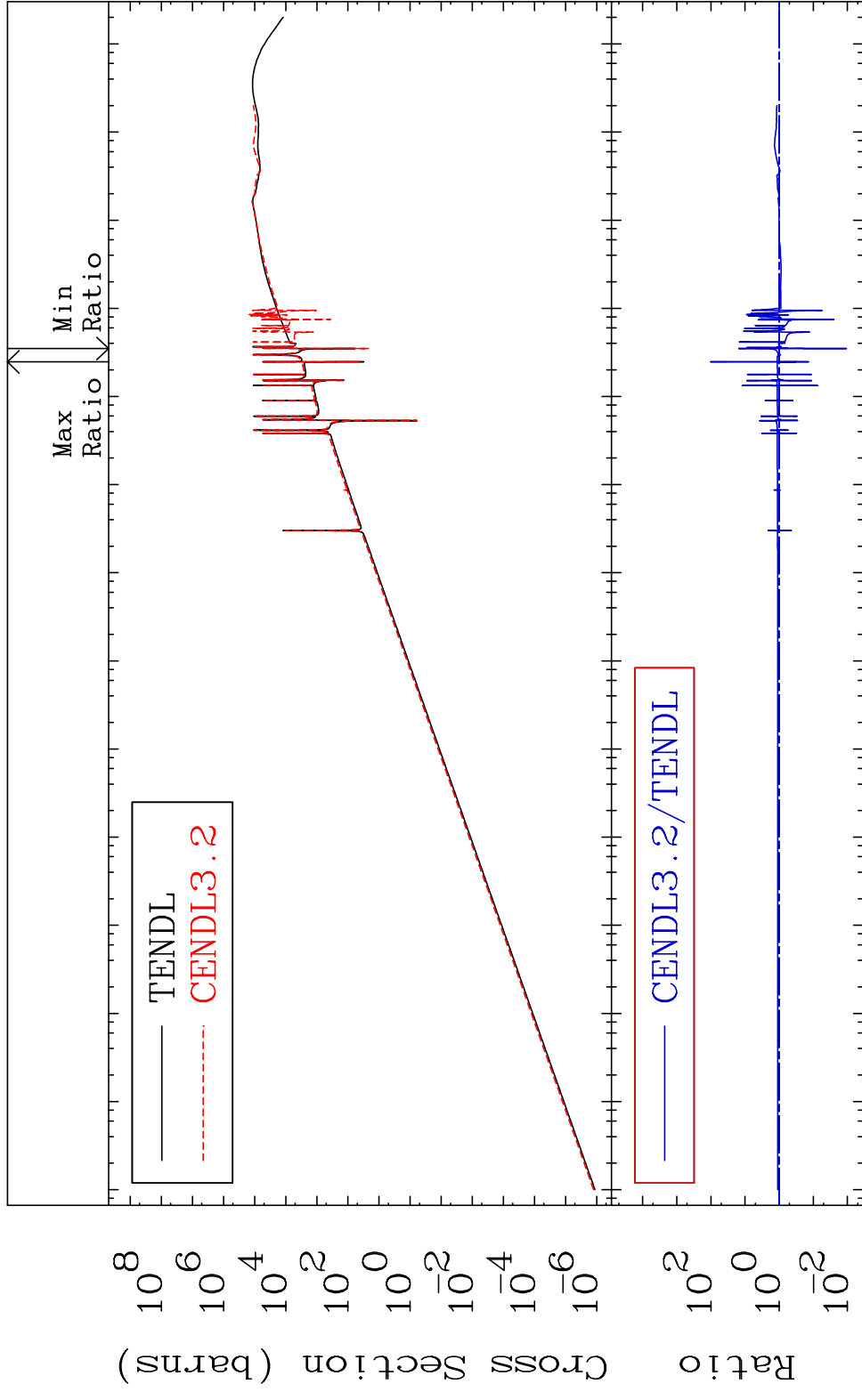
MAT 4043 Kerma total (eV-barns) 40-Zr-96
 Cross Section -98.77 To 9999. %



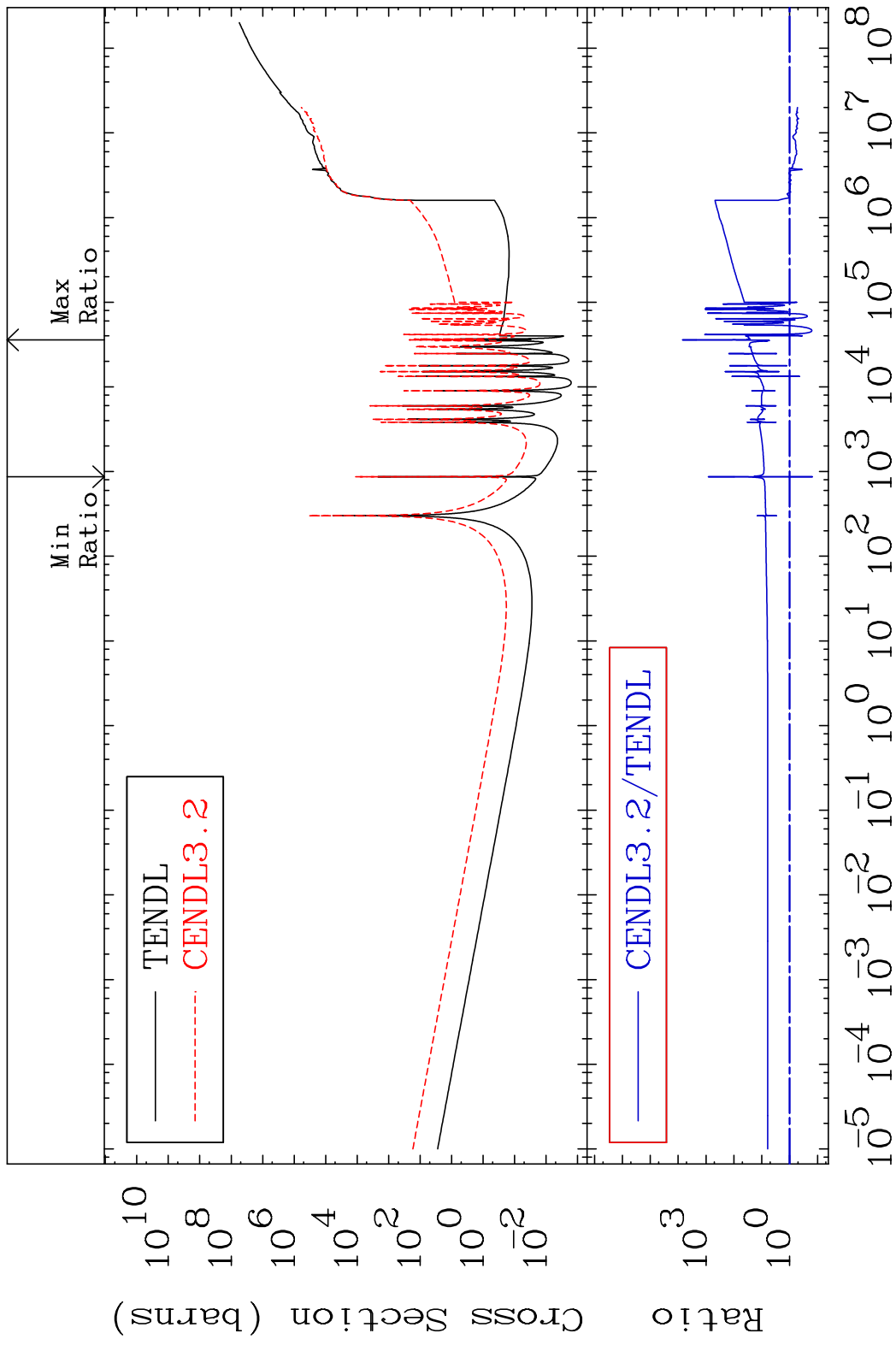
MAT 4043

Kerma elastic
Cross Section

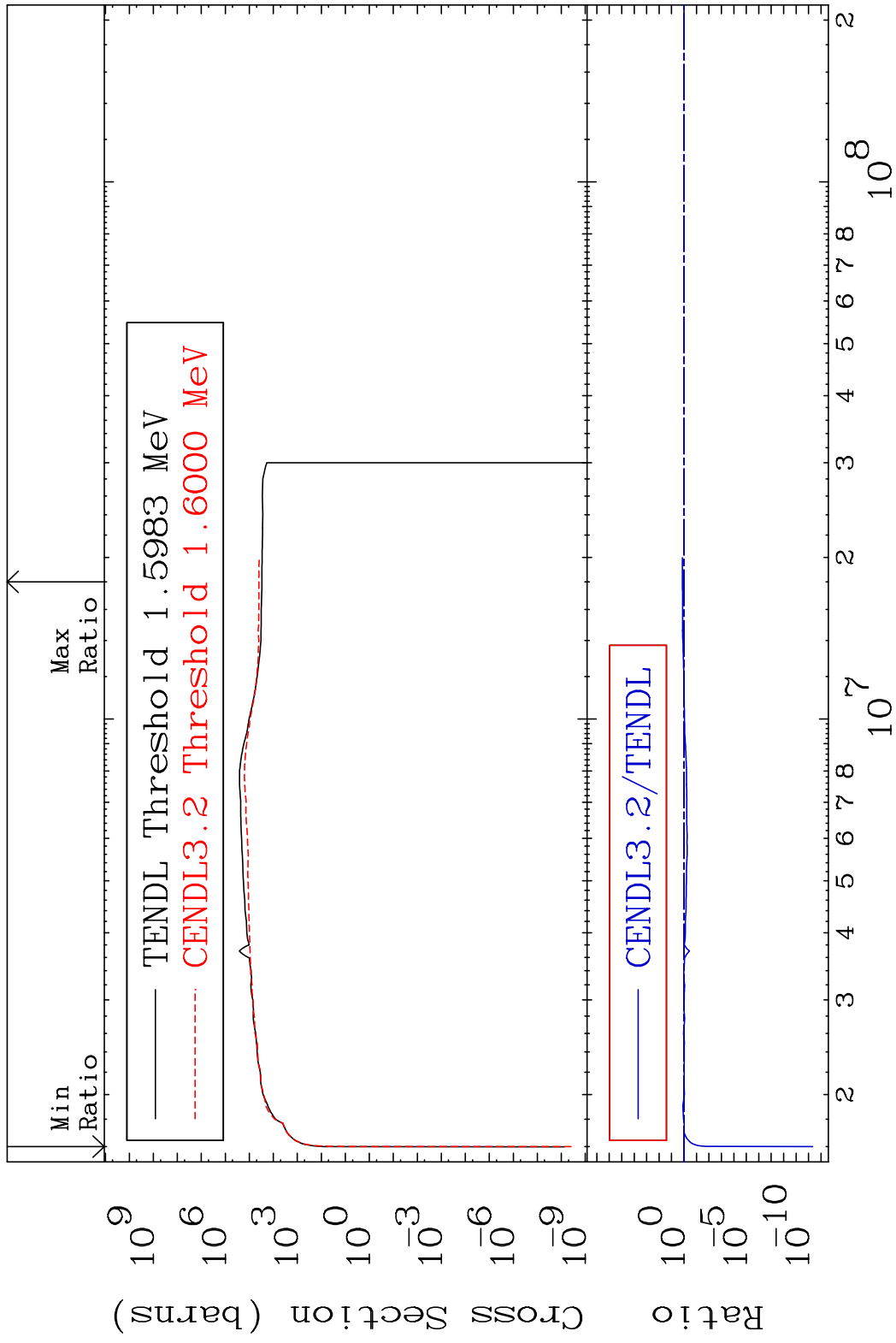
40-Zr-96
-98.92 To 9999. %



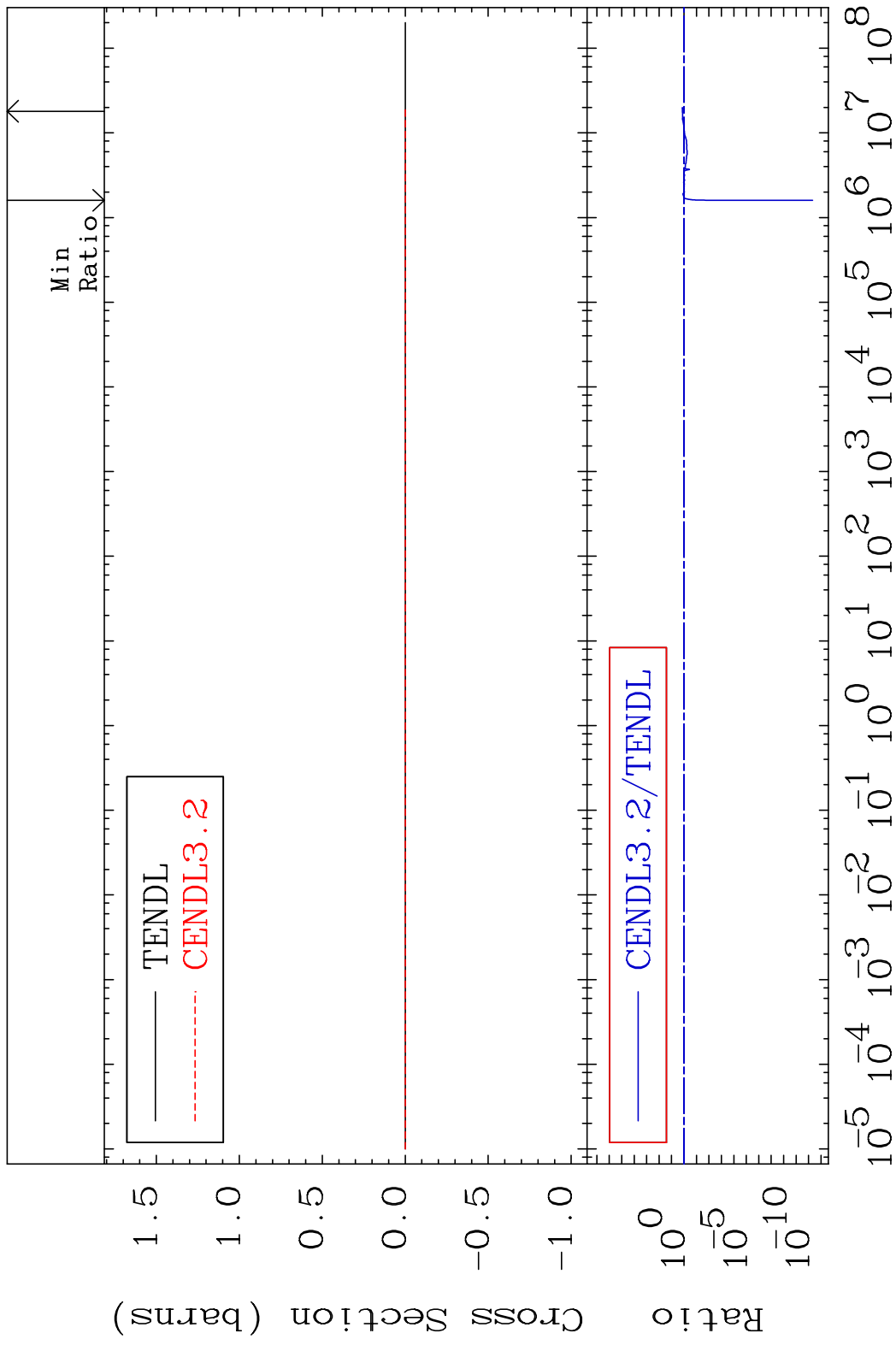
MAT 4043 Kerma non-elastic (all but mt2) 40-Zr-96
 Cross Section -84.94 To 9999. %



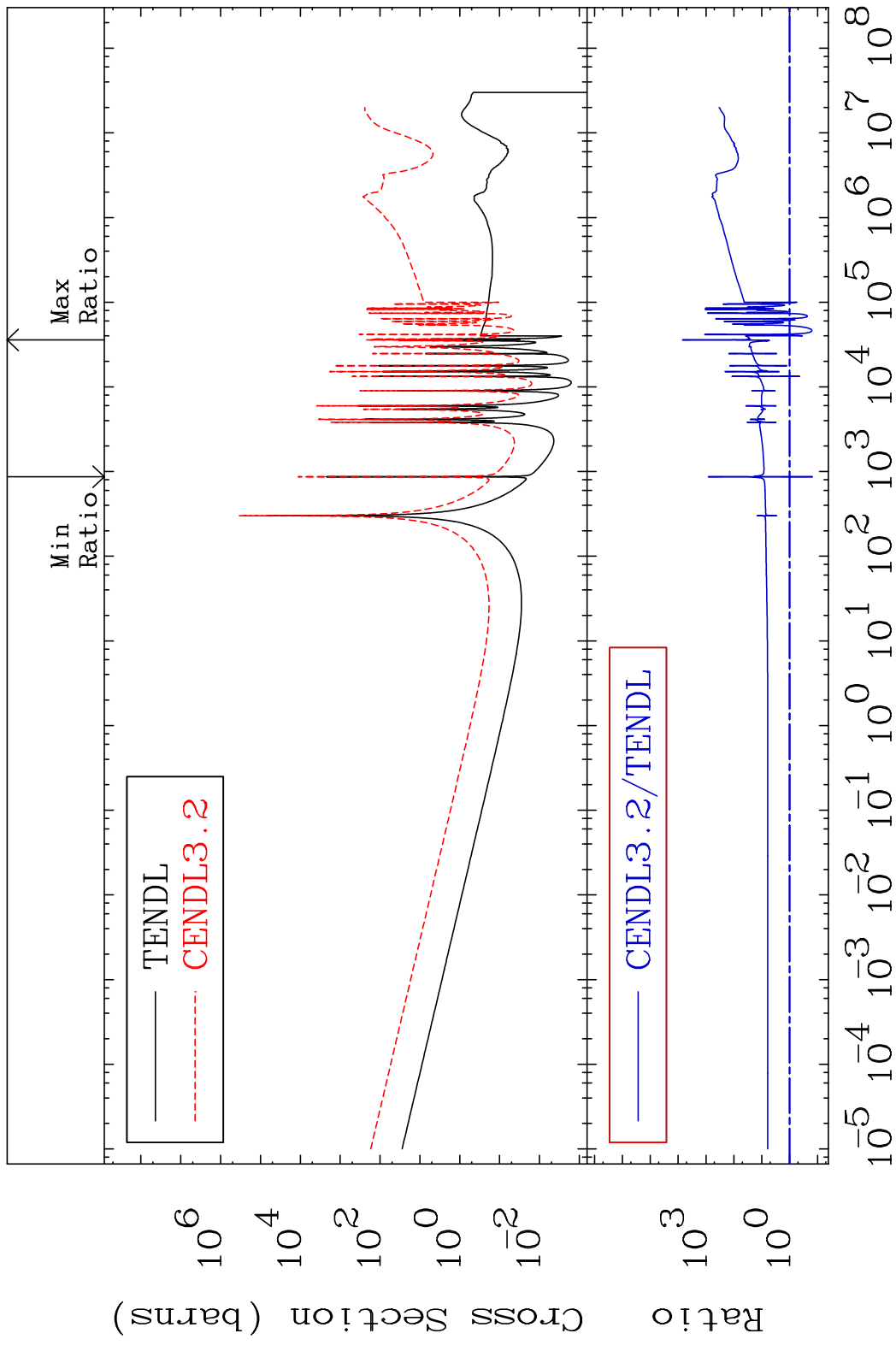
MAT 4043 Kerma inelastic (mt51-91) 40-Zr-96
 Cross Section -100.0 To 35.40 %



MAT 4043 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-96
 Cross Section -100.0 To 35.40 %

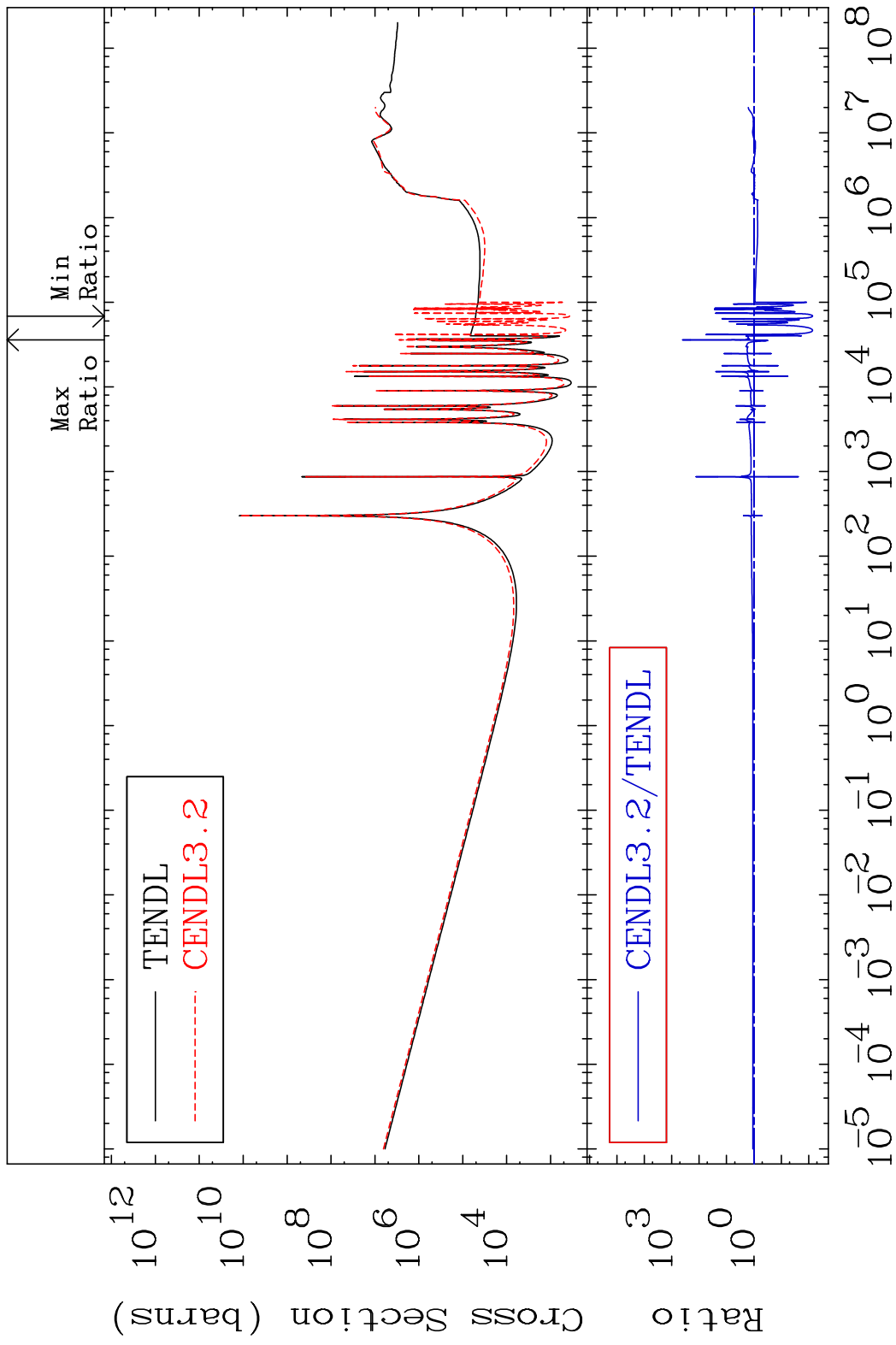


MAT 4043 Kerma capture (mt102) 40-Zr-96
 Cross Section -84.94 To 9999. %



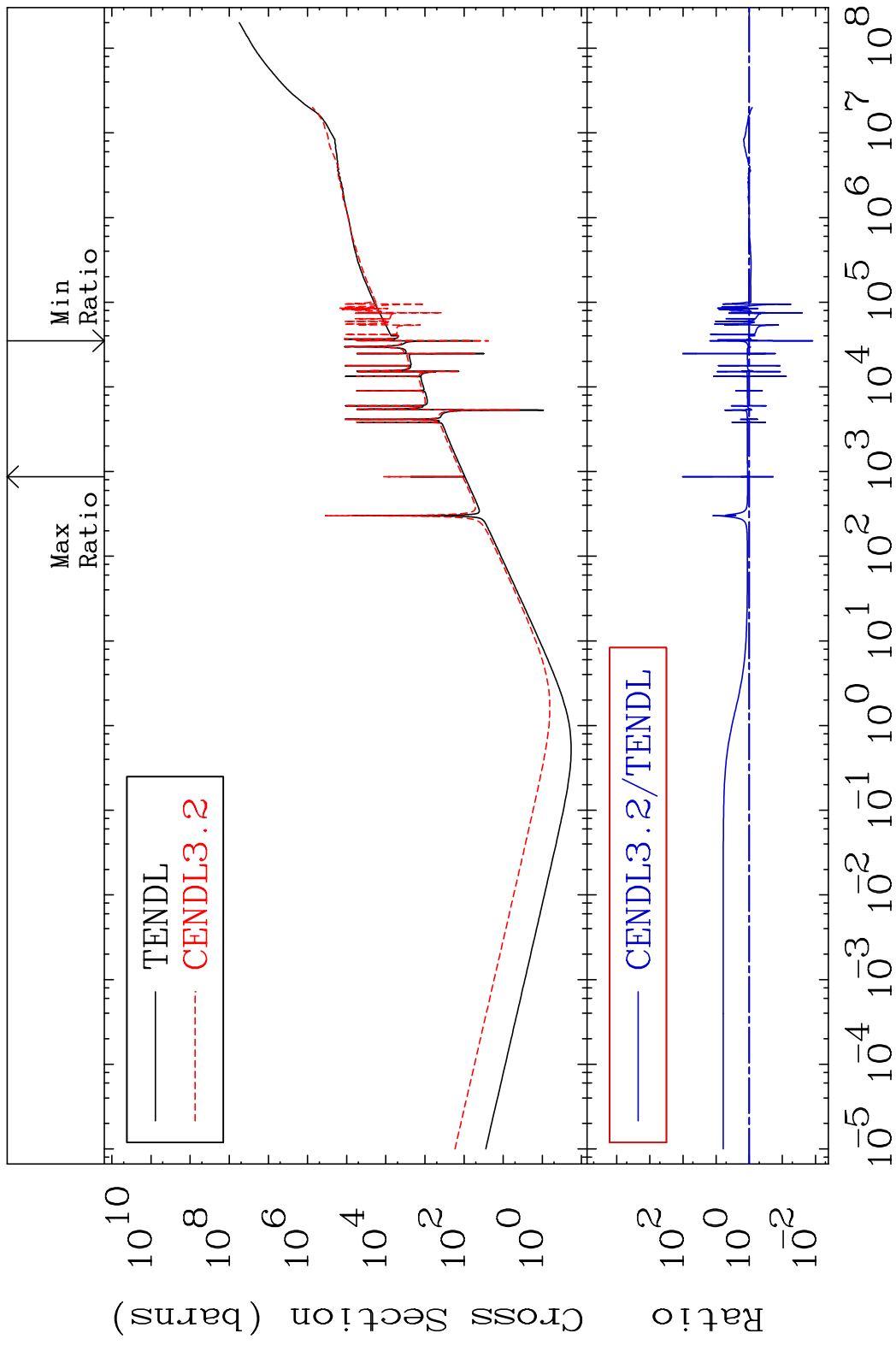
31 Incident Energy (eV) 40-Zr-96

MAT 4043 Total photon (eV-barns) 40-Zr-96
 Cross Section -99.28 To 9999. %

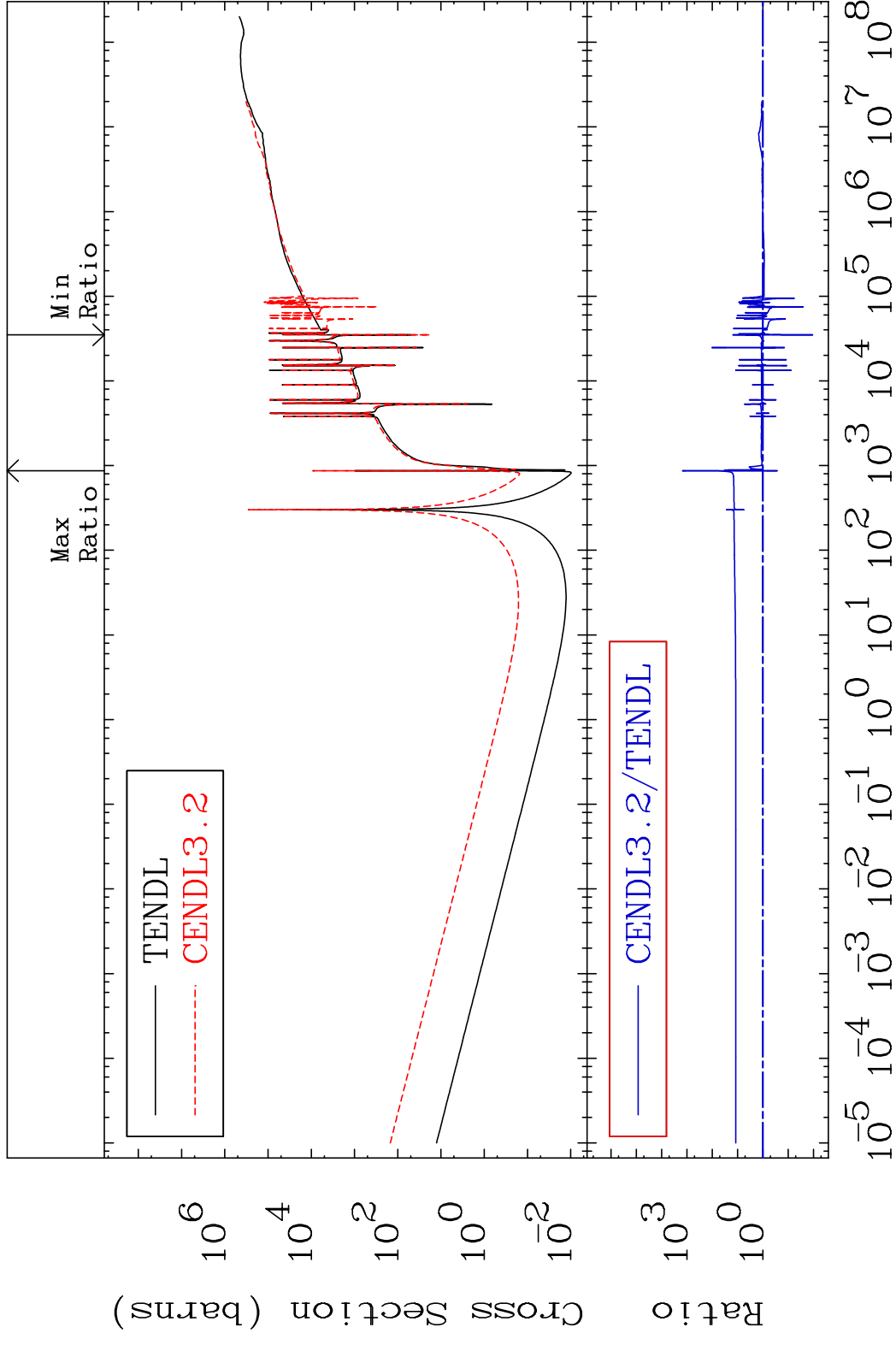


32 Incident Energy (eV) 40-Zr-96

MAT 4043 Total kinematic kerma (high limit) 40-Zr-96
 Cross Section -98.77 To 9999. %



MAT 4043 Dpa total (eV-barns) 40-Zr-96
 Cross Section -98.91 To 9999. %



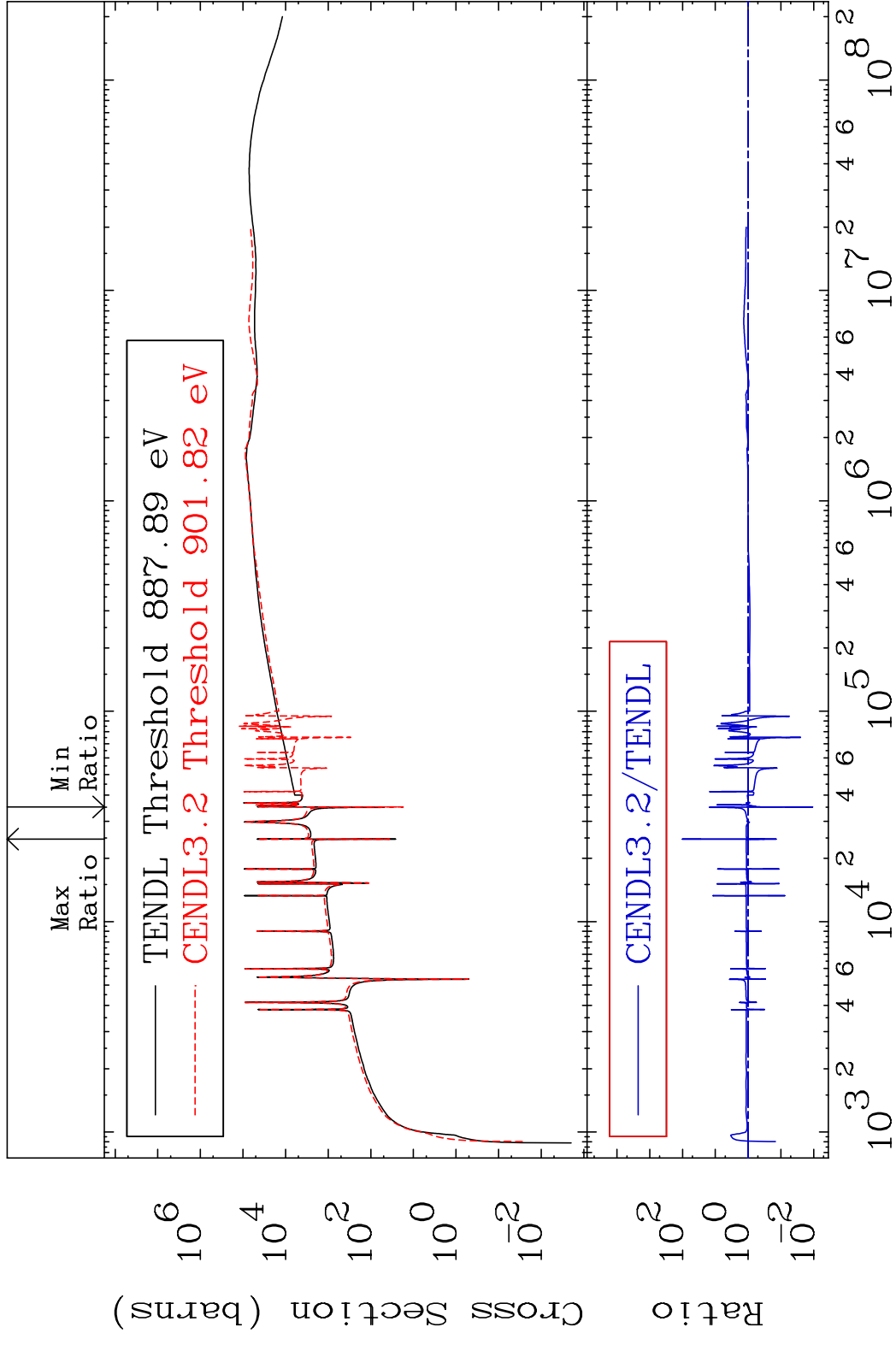
34 Incident Energy (eV) 40-Zr-96

MAT 4043

Dpa elastic (mt2)

40-Zr-96

Cross Section -98.92 To 9999. %

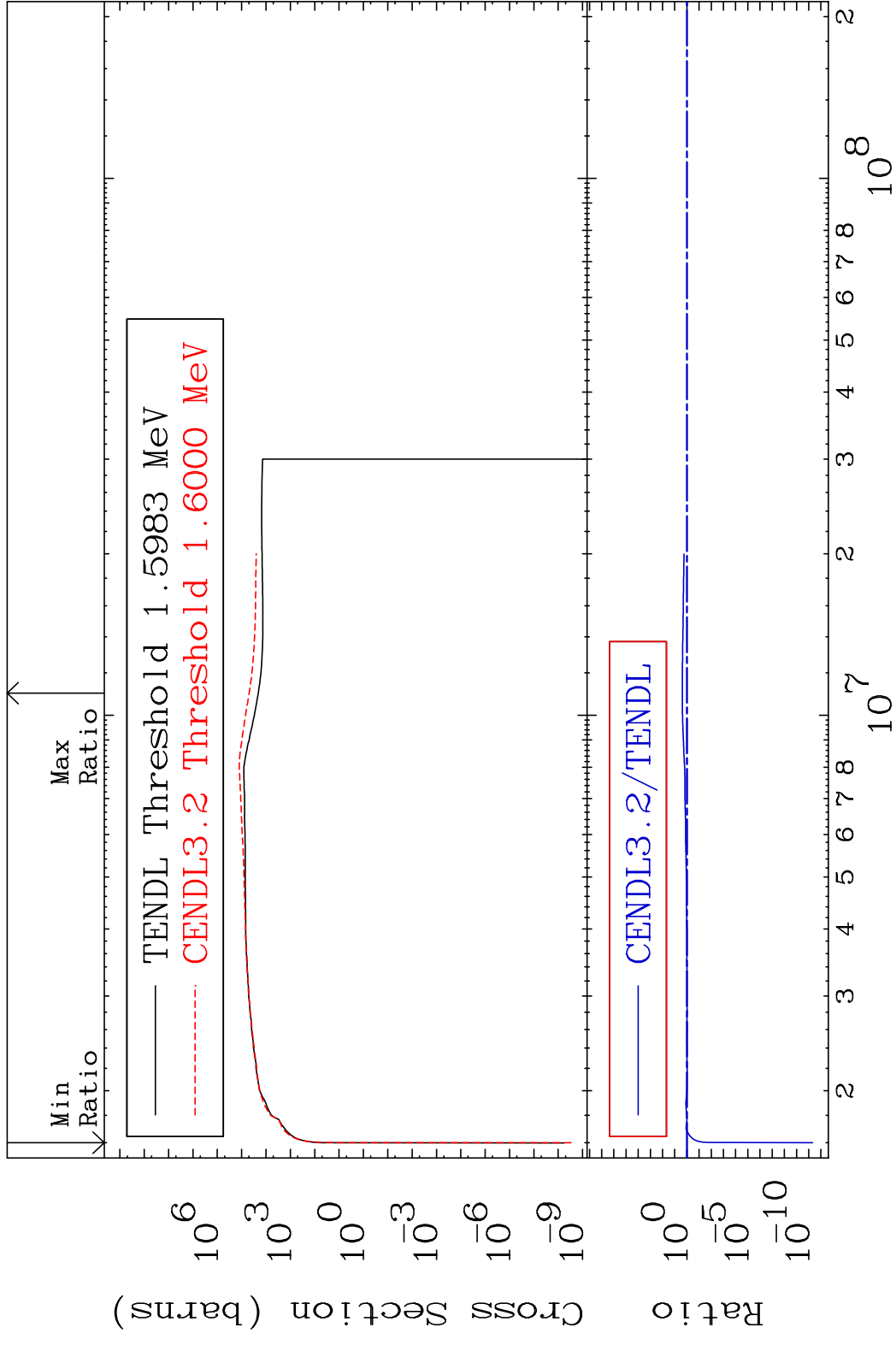


35

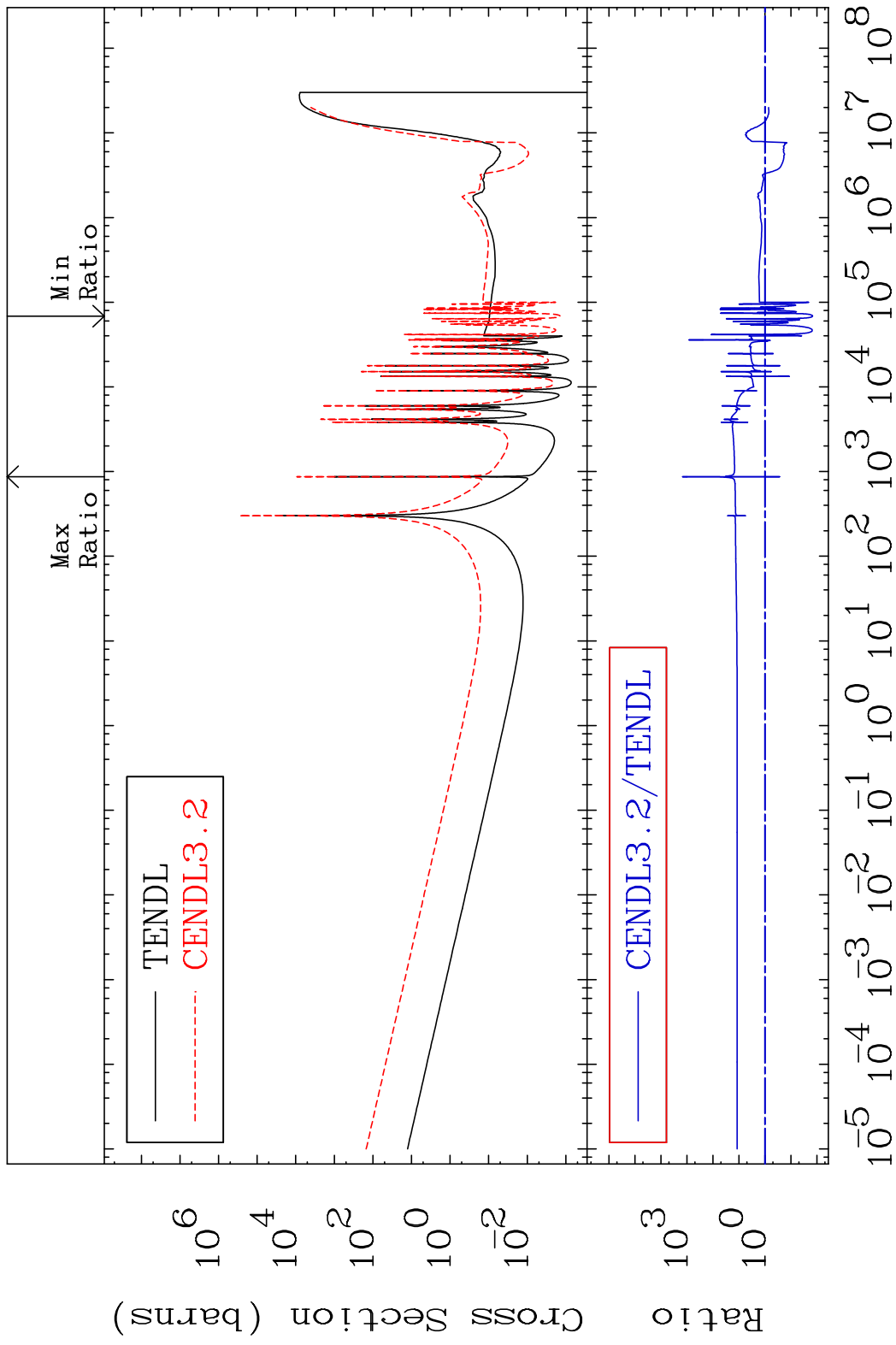
Incident Energy (eV)

40-Zr-96

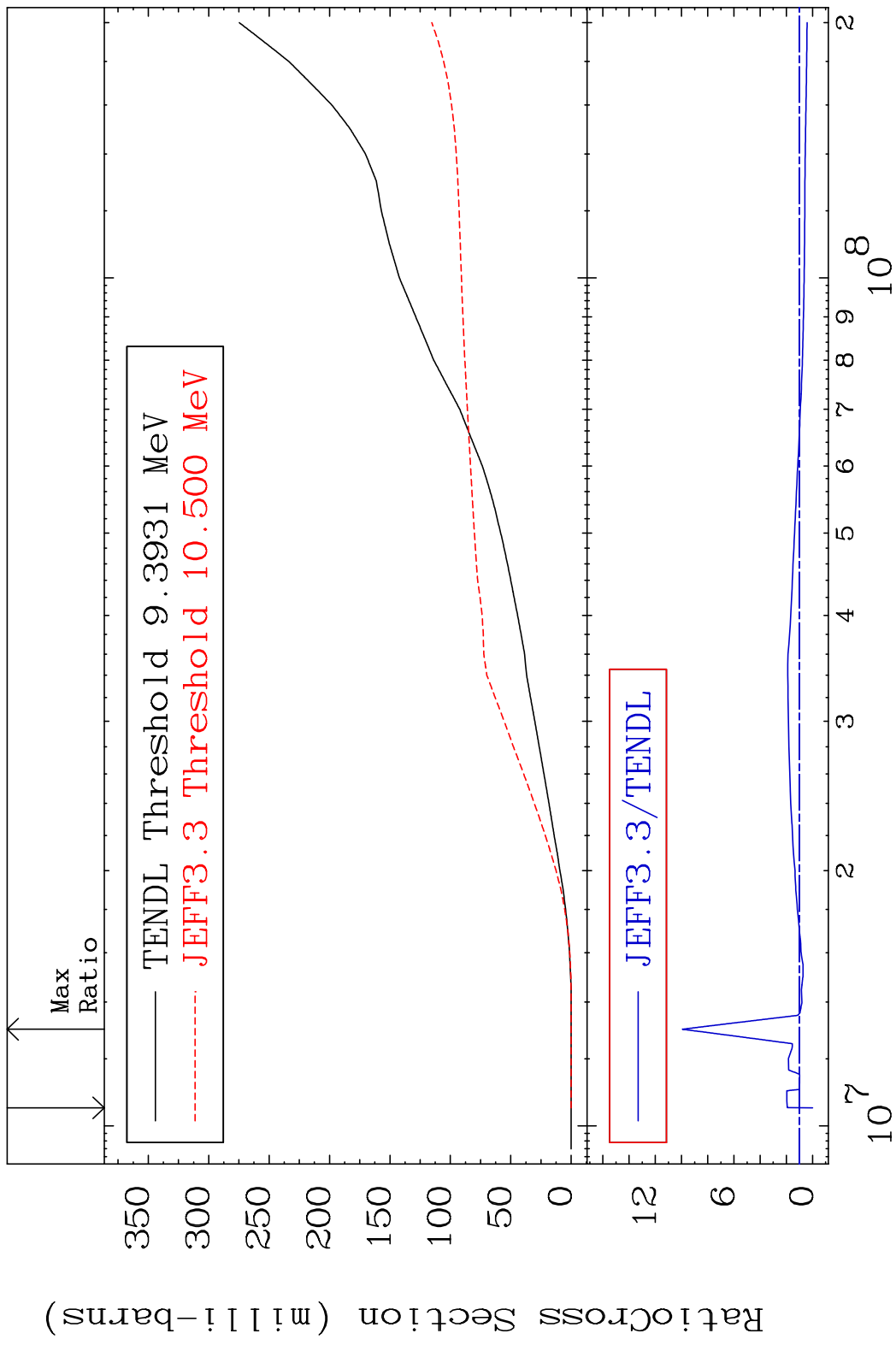
MAT 4043 Dpa inelastic (mt51-91) 40-Zr-96
 Cross Section -100.0 To 137.1 %



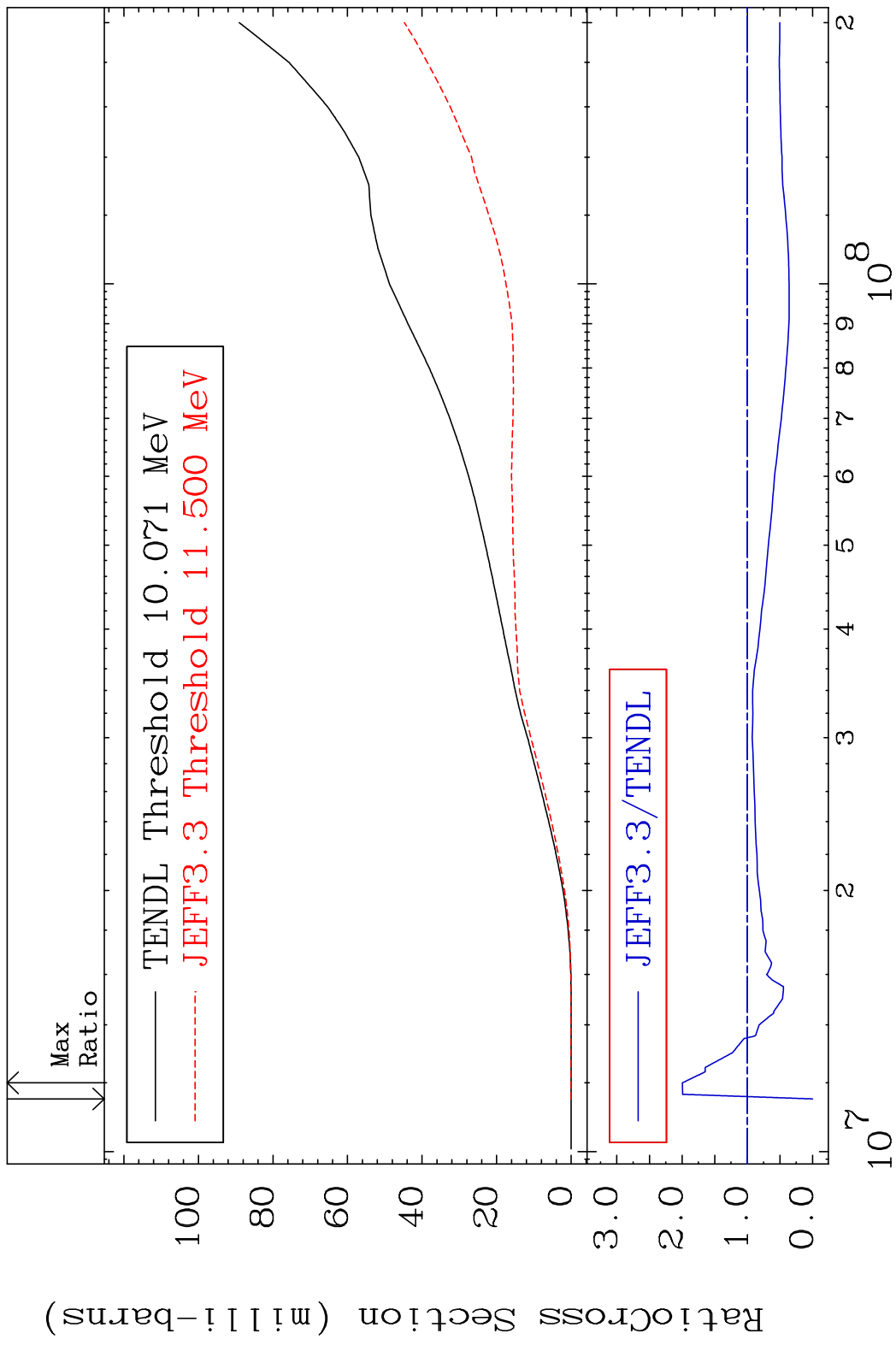
MAT 4043 Dpa disappearance (mt102 -120) 40-Zr-96
 Cross Section -98.51 To 9999. %



MAT 4043 Deuterium Production 40-Zr-96
 Cross Section -100.0 To 893.7 %

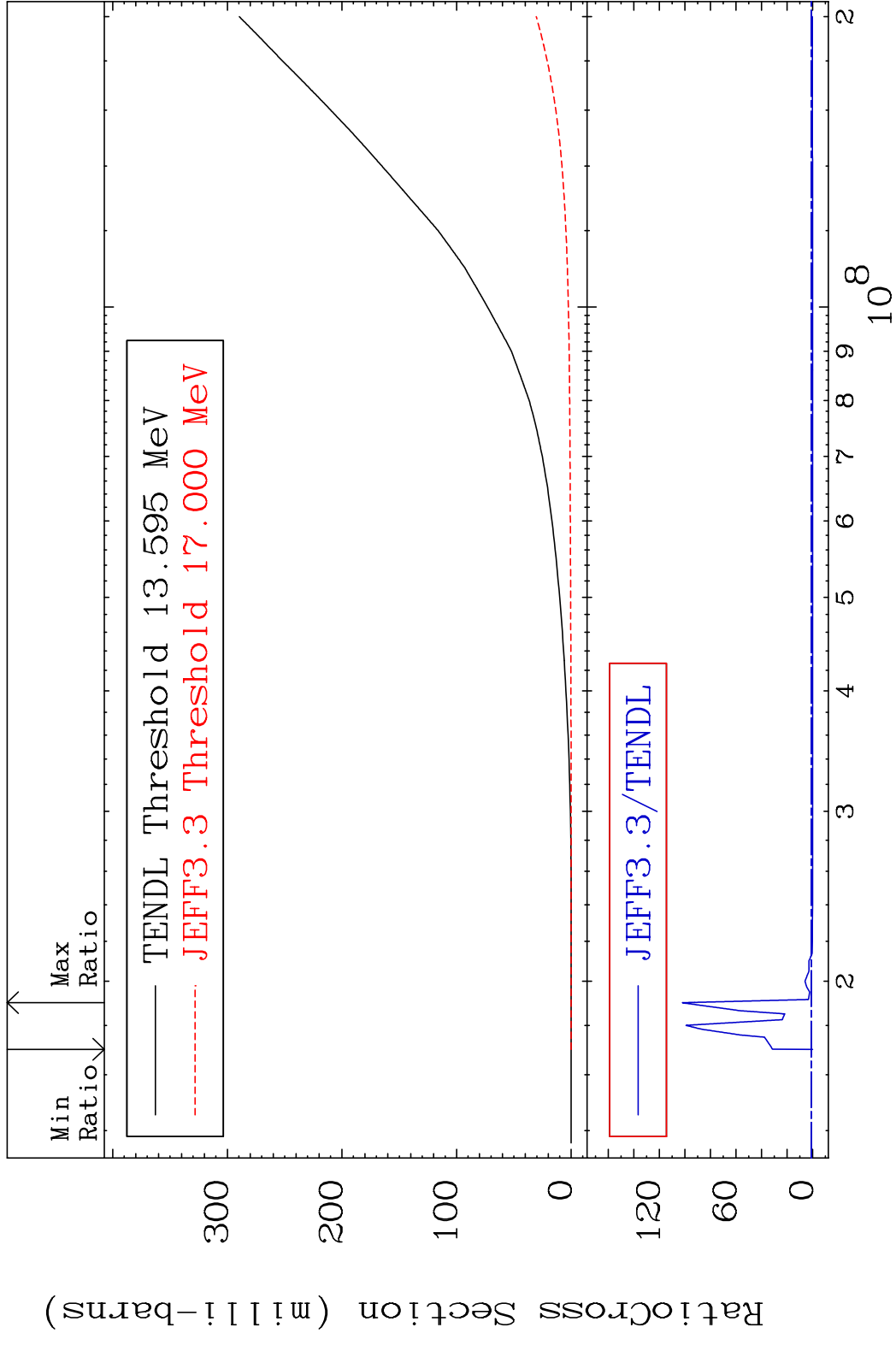


MAT 4043 Tritium Production 40-Zr-96
 Cross Section -100.0 To 99.55 %



39

MAT 4043 He-3 Production 40-Zr-96
 Cross Section -100.0 To 9999. %



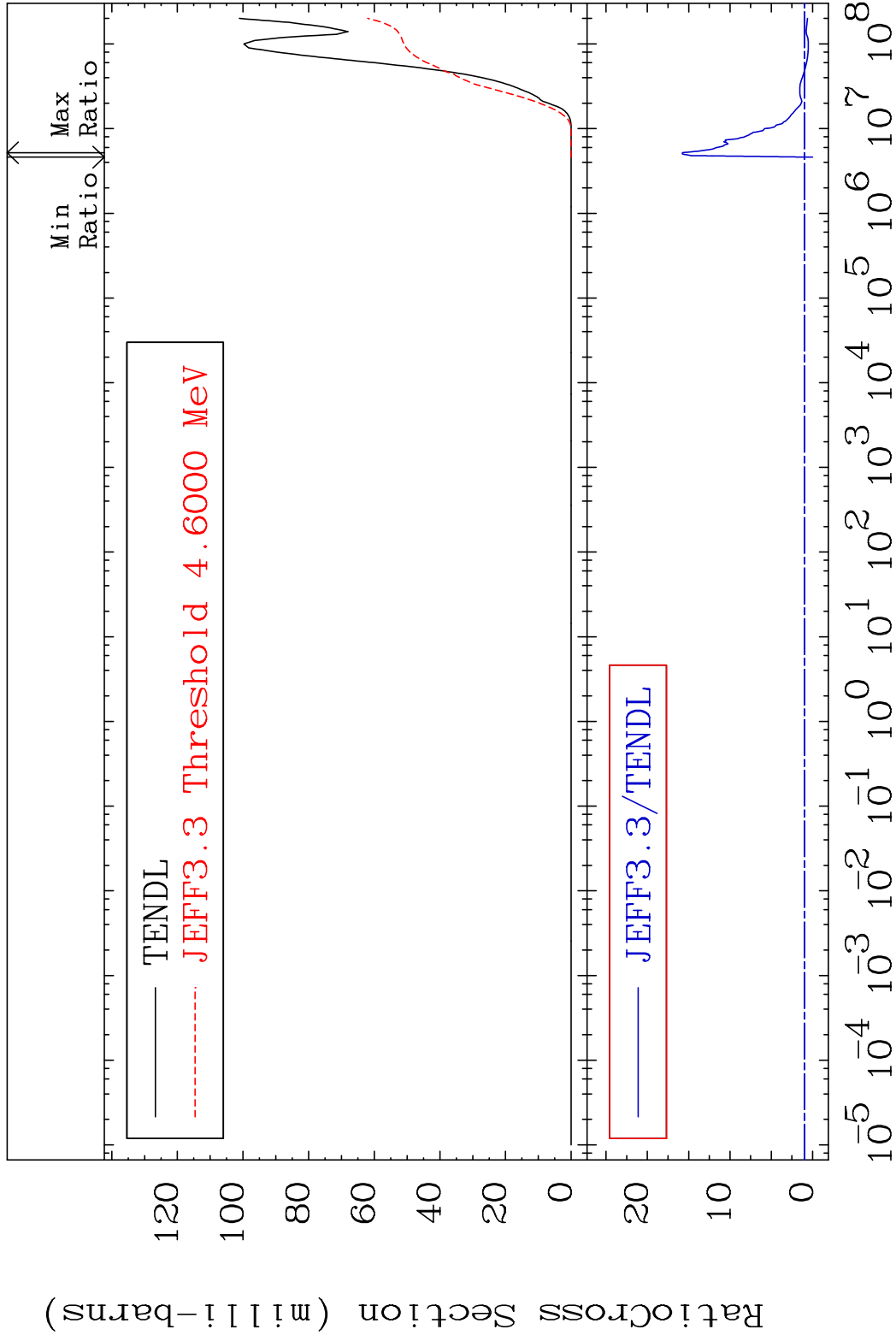
40 Incident Energy (eV) 40-Zr-96

MAT 4043

He-4 Production

40-Zr-96

Cross Section -100.0 To 1476. %



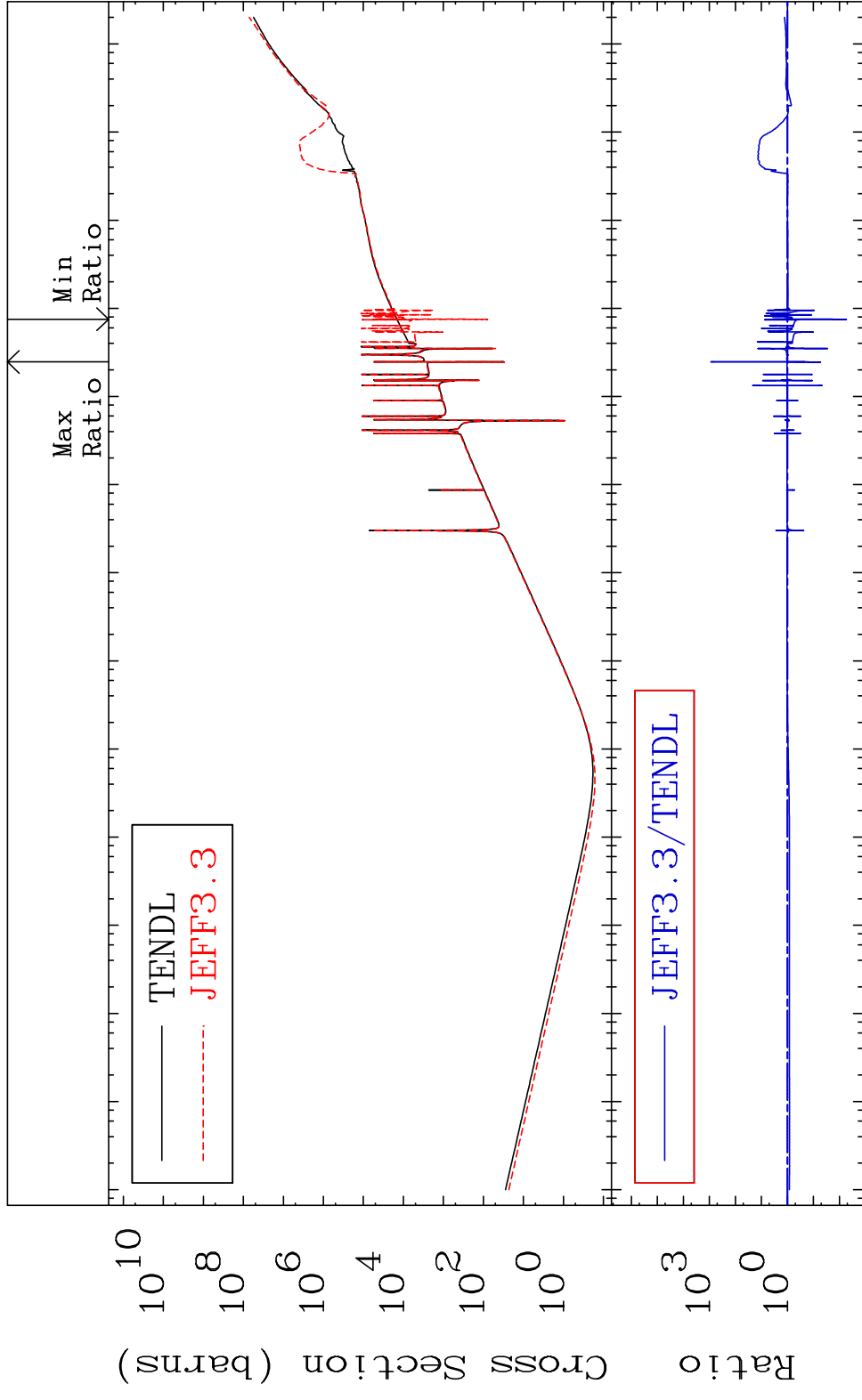
41

Incident Energy (eV)

40-Zr-96

MAT 4043

Kerma total (eV-barns) 40-Zr-96
Cross Section -99.46 To 9999. %



Ratio
10³
10⁰

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

42

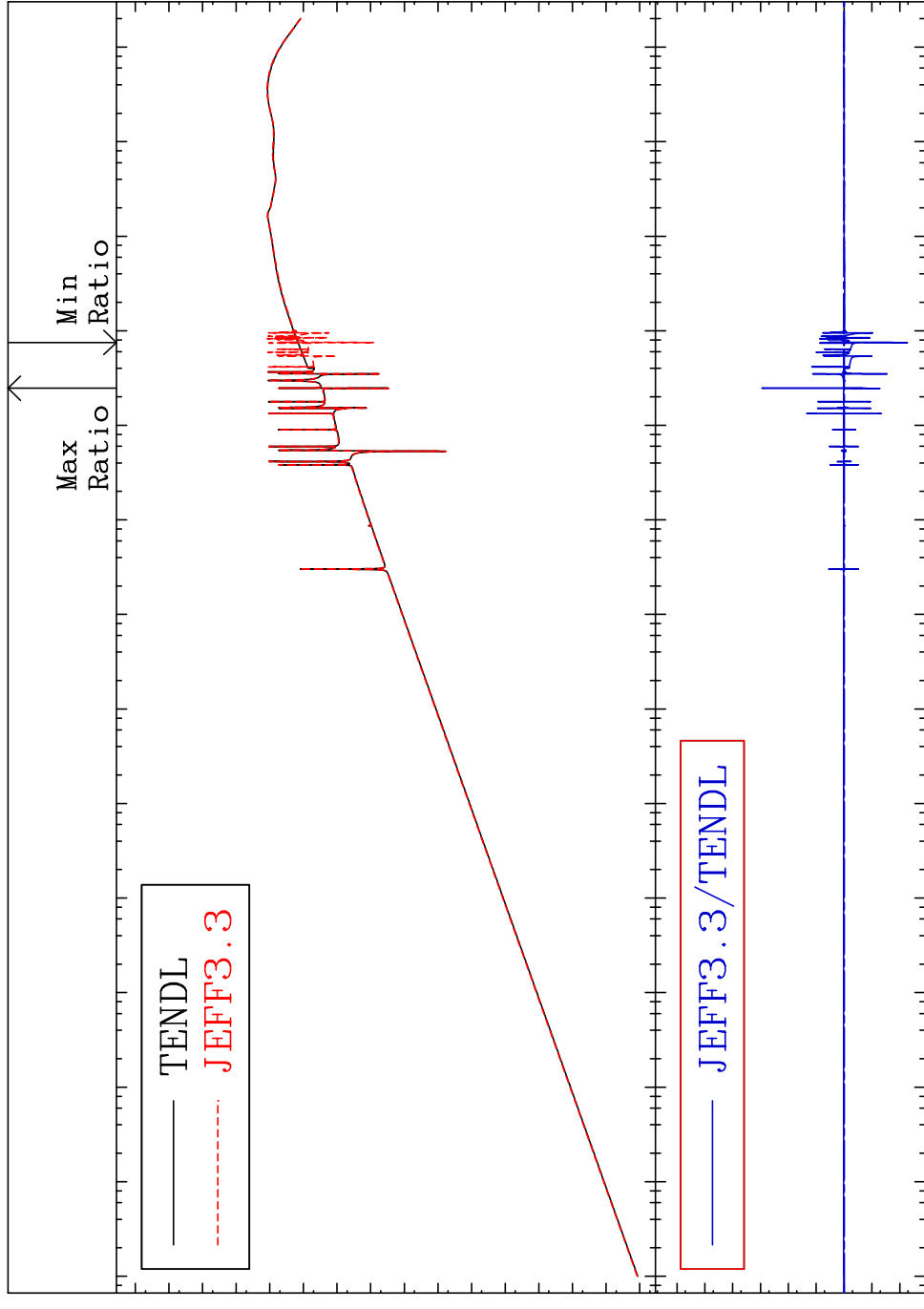
Incident Energy (eV)

40-Zr-96

MAT 4043

Kerma elastic
Cross Section

40-Zr-96
-99.46 To 9999. %



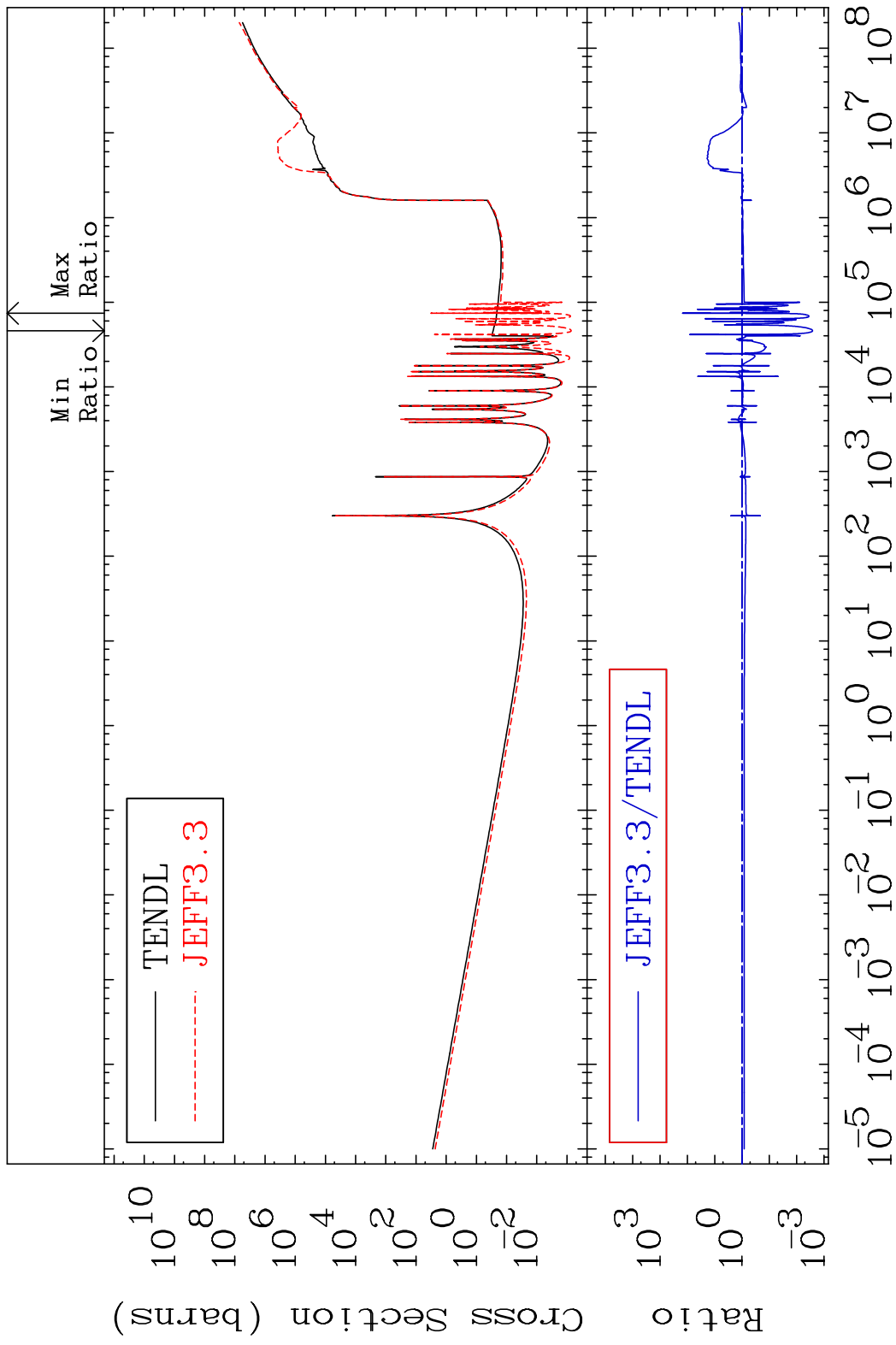
Cross Section (barns)
Ratio

Incident Energy (eV)

43

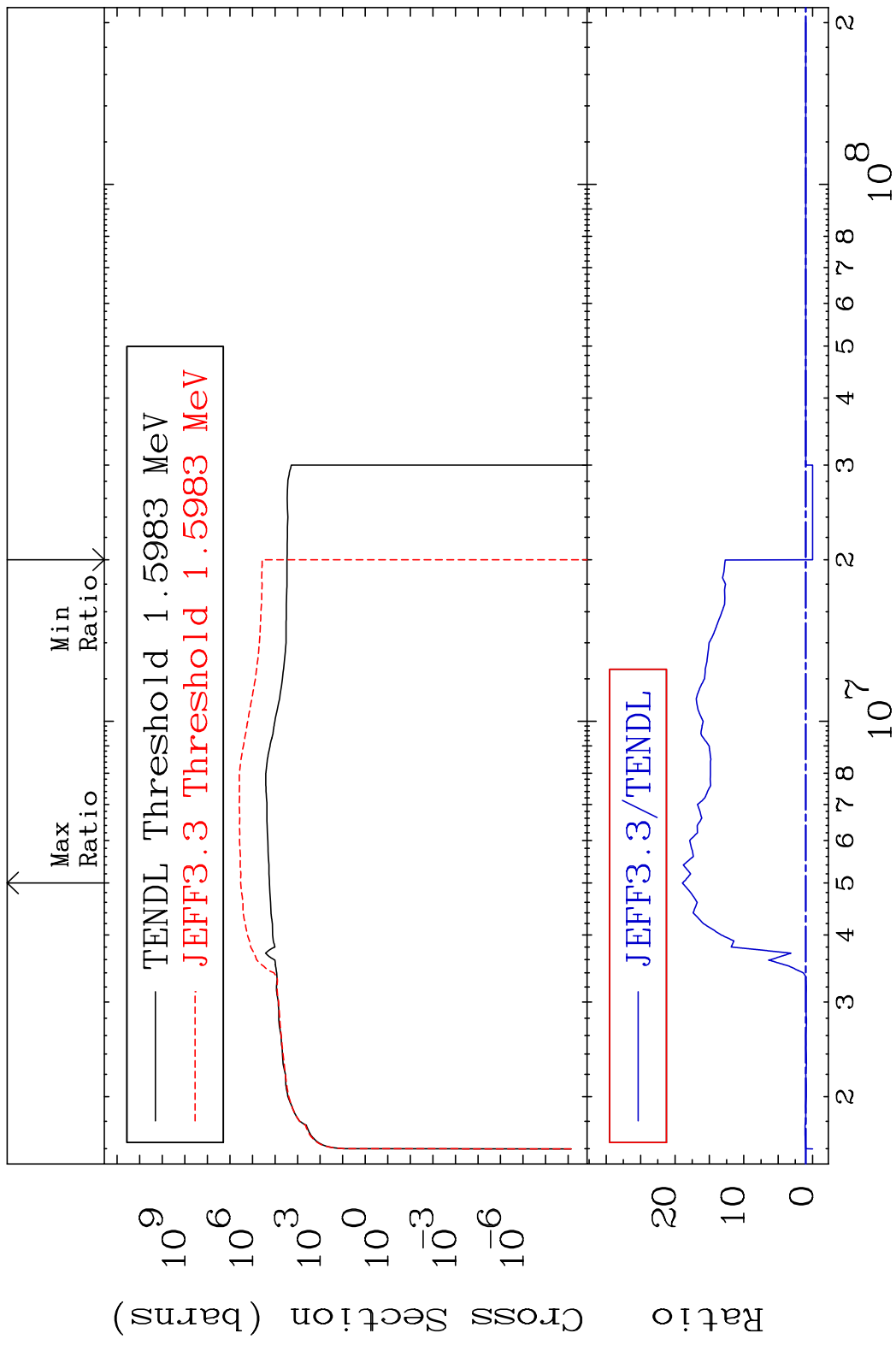
40-Zr-96

MAT 4043 Kerma non-elastic (all but mt2) 40-Zr-96
 Cross Section -99.74 To 9999. %



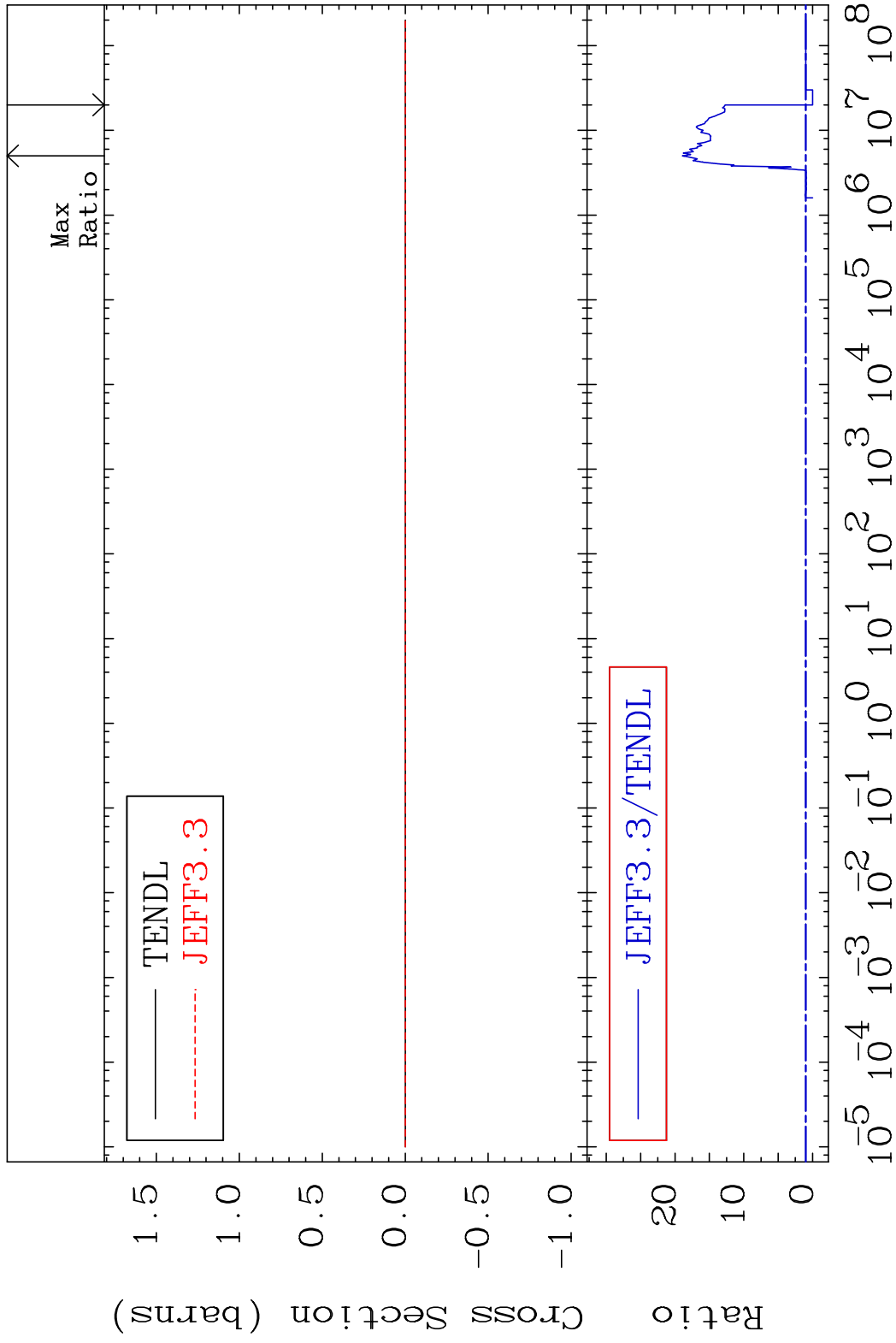
44 Incident Energy (eV) 40-Zr-96

MAT 4043 Kerma inelastic (mt51-91) 40-Zr-96
 Cross Section -100.0 To 1793. %

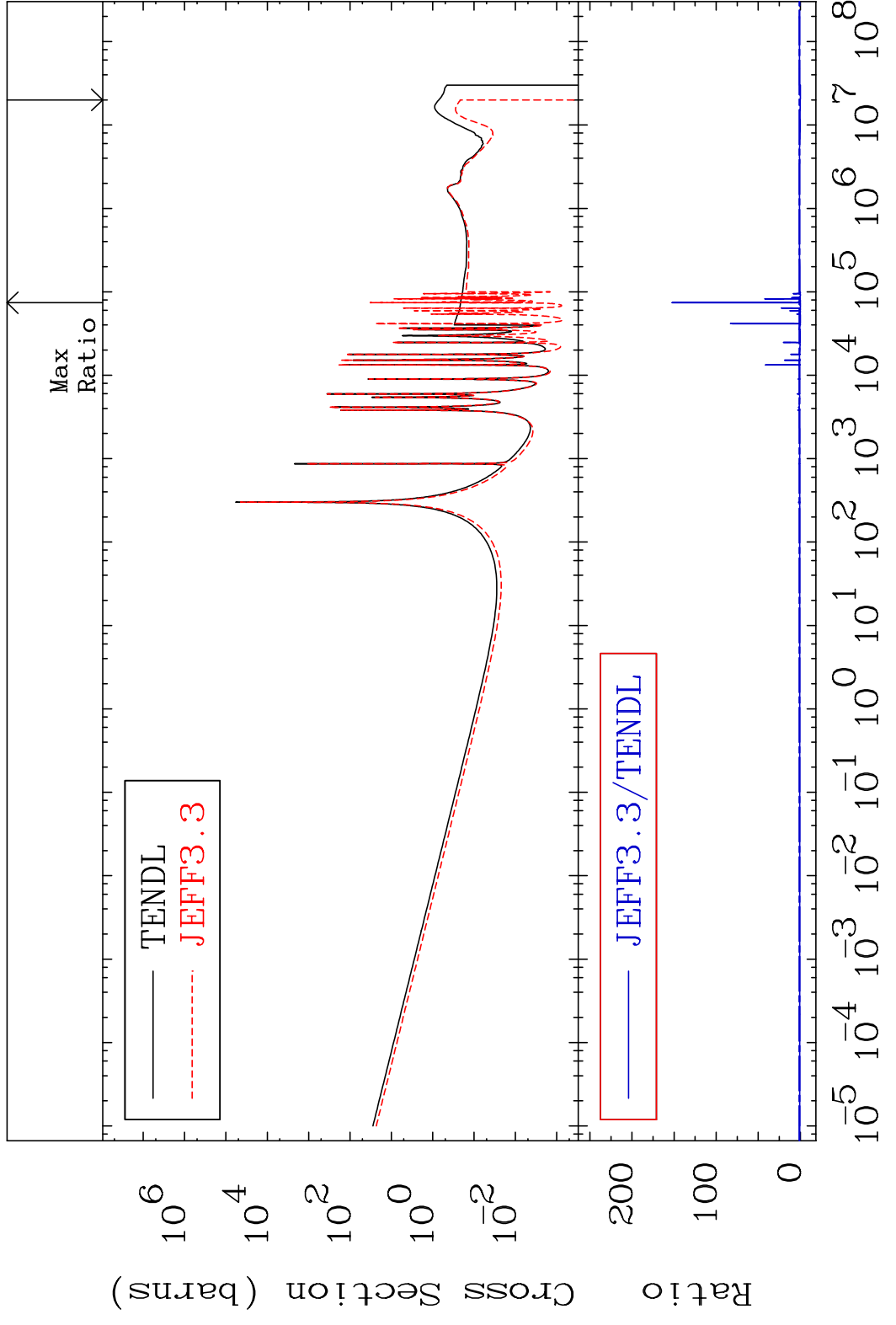


45 40-Zr-96

MAT 4043 Kerma fission (mt18 or mt19-20-21-38) 40-Zr-96
 Cross Section -100.0 To 1793. %



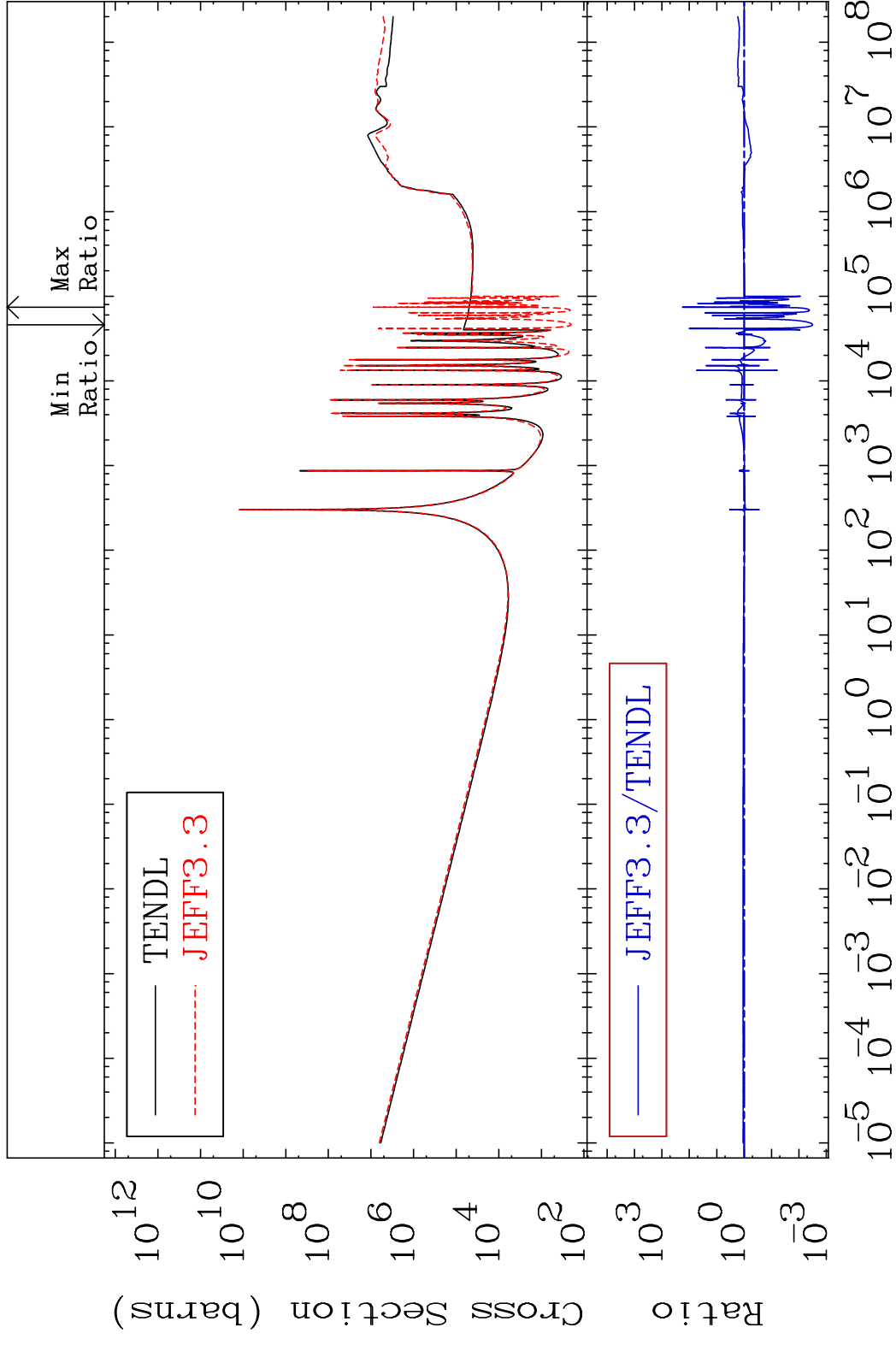
MAT 4043 Kerma capture (mt102) 40-Zr-96
 Cross Section -100.0 To 9999. %



47 Incident Energy (eV) 40-Zr-96

MAT 4043

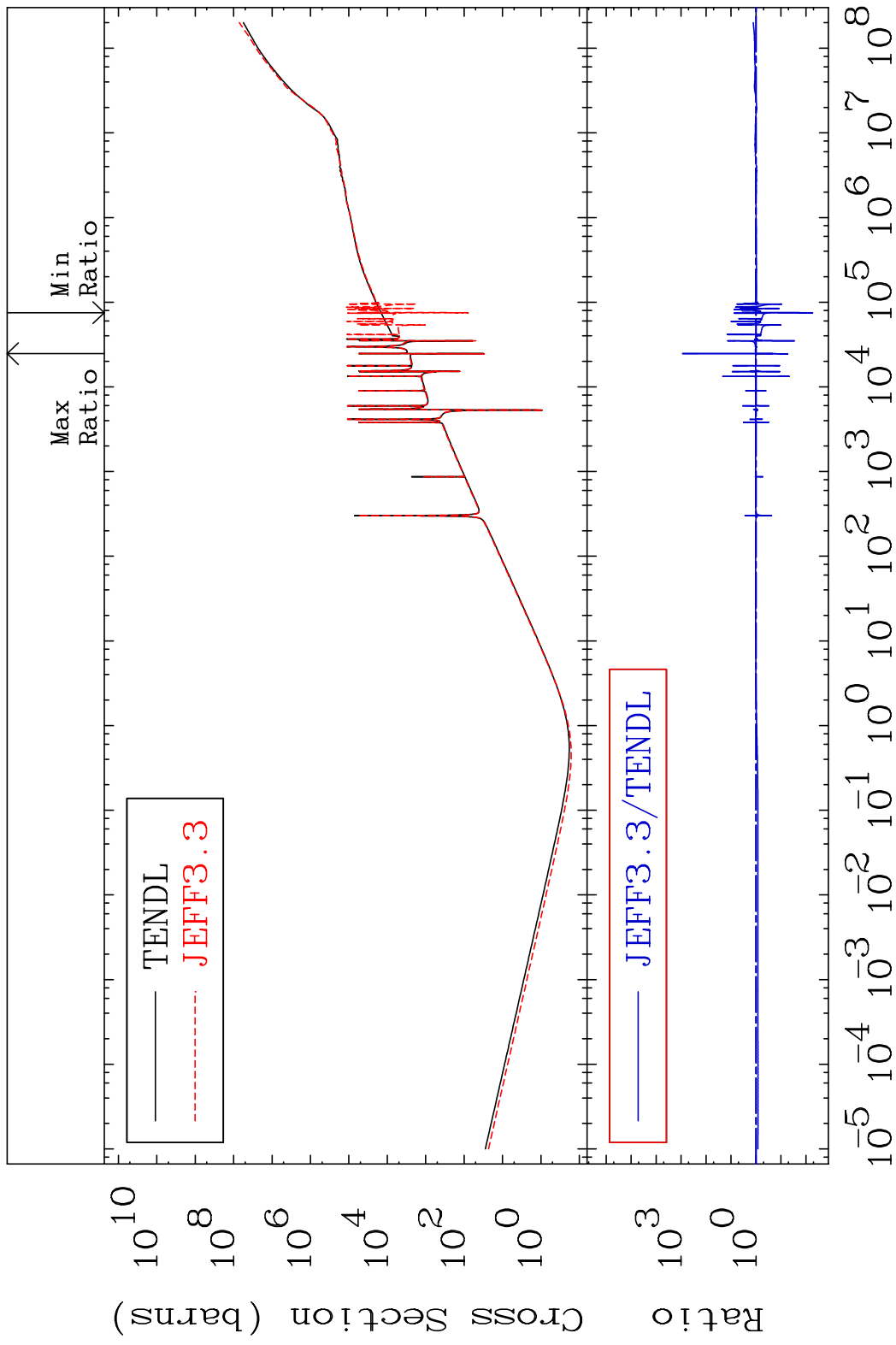
Total photon (eV-barns) 40-Zr-96
Cross Section -99.68 To 9999. %



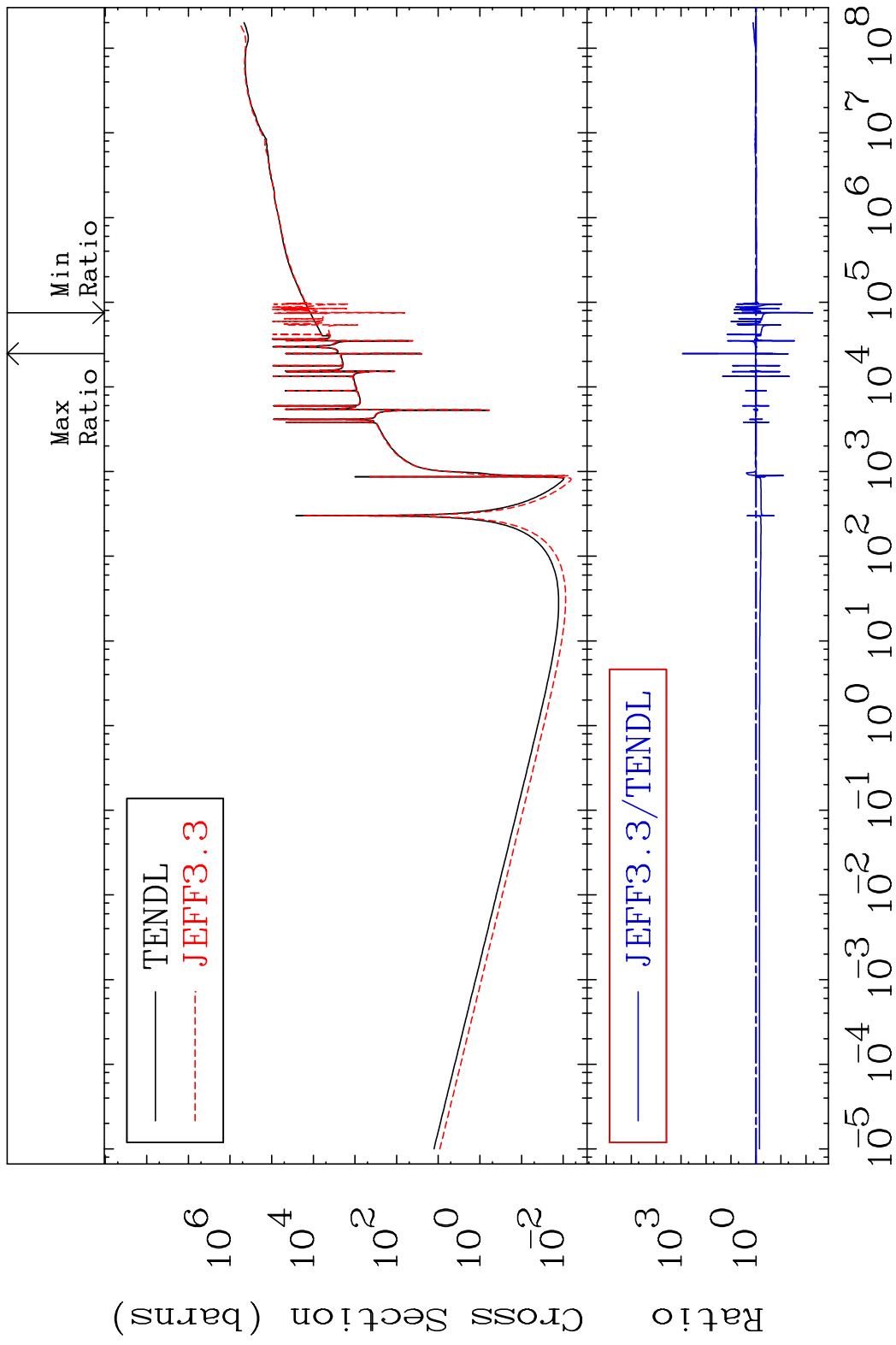
48

Incident Energy (eV) 40-Zr-96

MAT 4043 Total kinematic kerma (high limit) 40-Zr-96
 Cross Section -99.46 To 9999. %



MAT 4043 Dpa total (eV-barns) 40-Zr-96
 Cross Section -99.46 To 9999. %



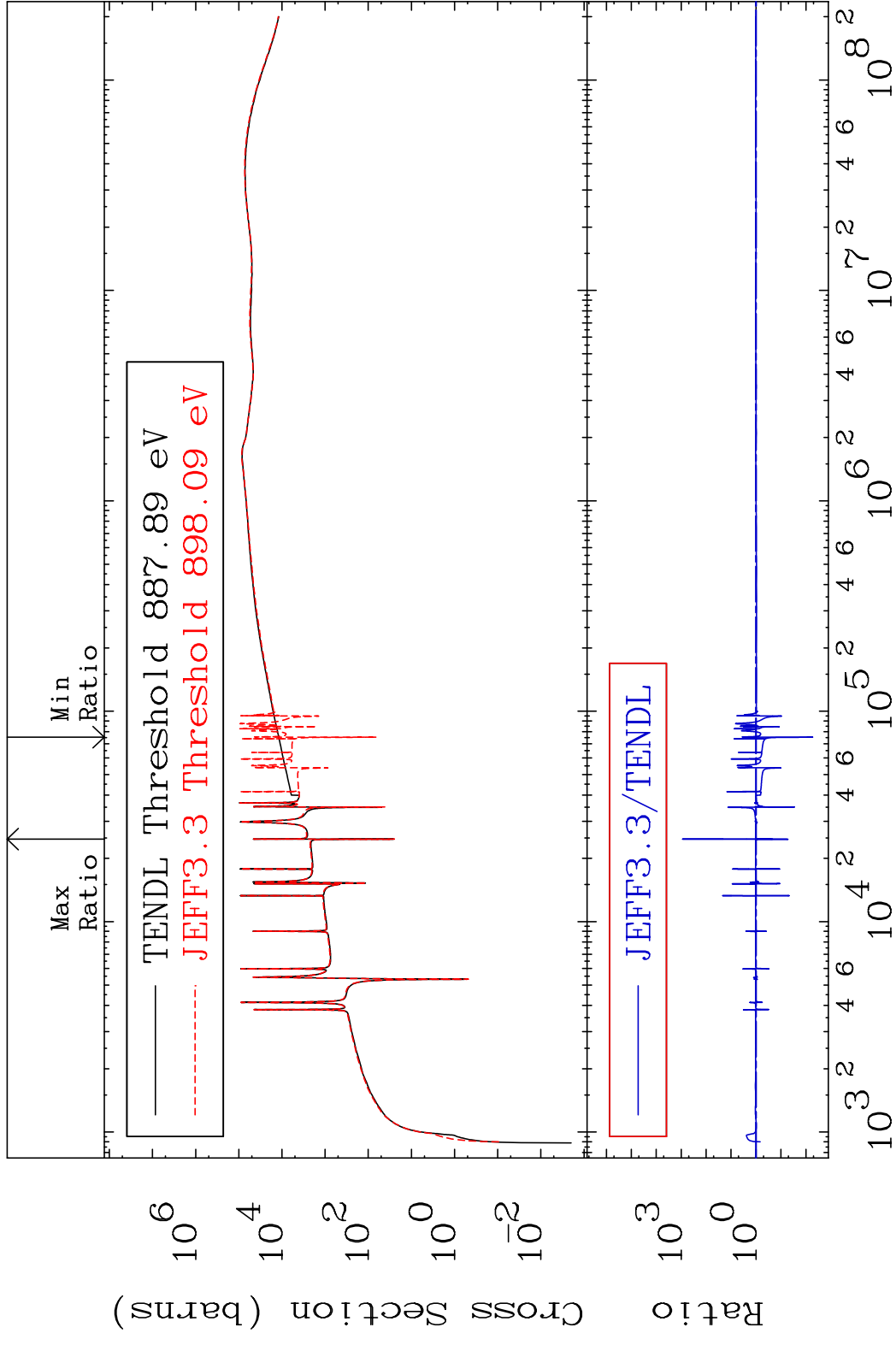
50 Incident Energy (eV) 40-Zr-96

MAT 4043

Dpa elastic (mt2)

40-Zr-96

Cross Section -99.46 To 9999. %

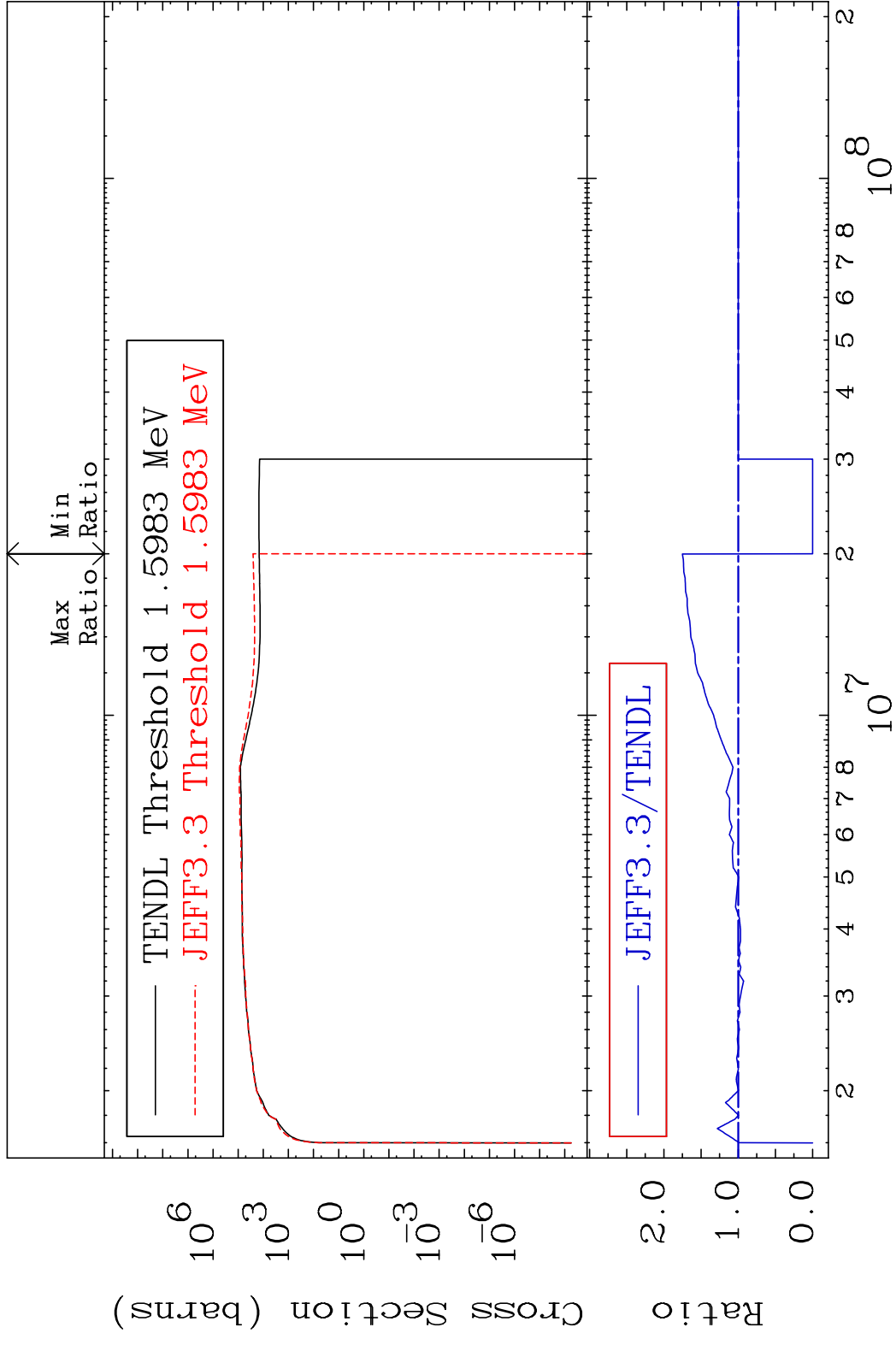


51

Incident Energy (eV)

40-Zr-96

MAT 4043 Dpa inelastic (mt51-91) 40-Zr-96
 Cross Section -100.0 To 75.15 %



MAT 4043 Dpa disappearance (mt102 -120) 40-Zr-96
 Cross Section -100.0 To 9999. %

