

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

MAT 4640

Total

46-Pd-107

-97.55 To 7032. %

Cross Section

Max Ratio

Min Ratio

— TENDL
- - - JENDL4.0

Cross Section (barns)

JENDL4.0/TENDL

Ratio

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

Incident Energy (eV)

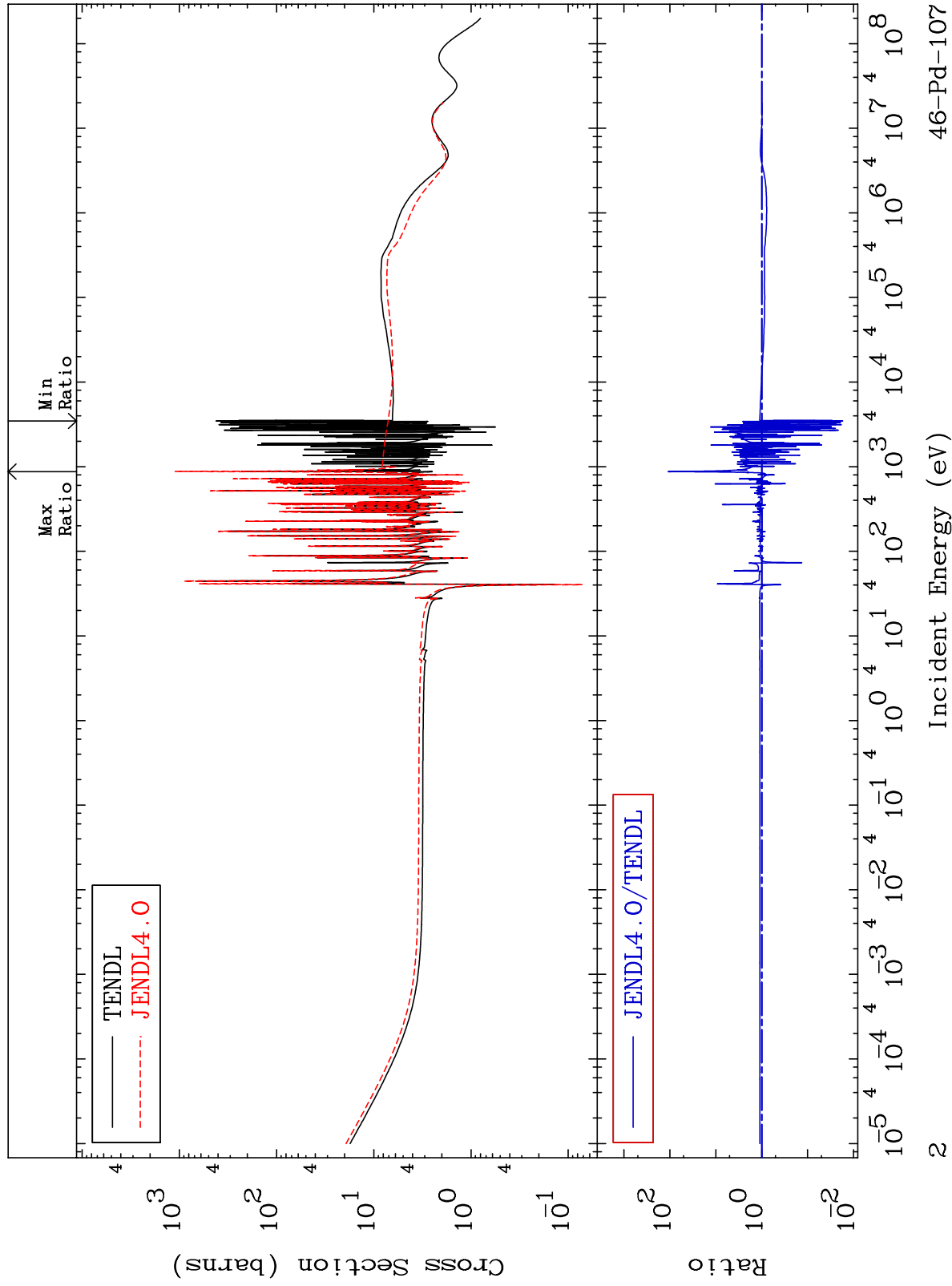
46-Pd-107

1

MAT 4640

Elastic
Cross Section

46-Pd-107
-98.29 To 9999. %



46-Pd-107

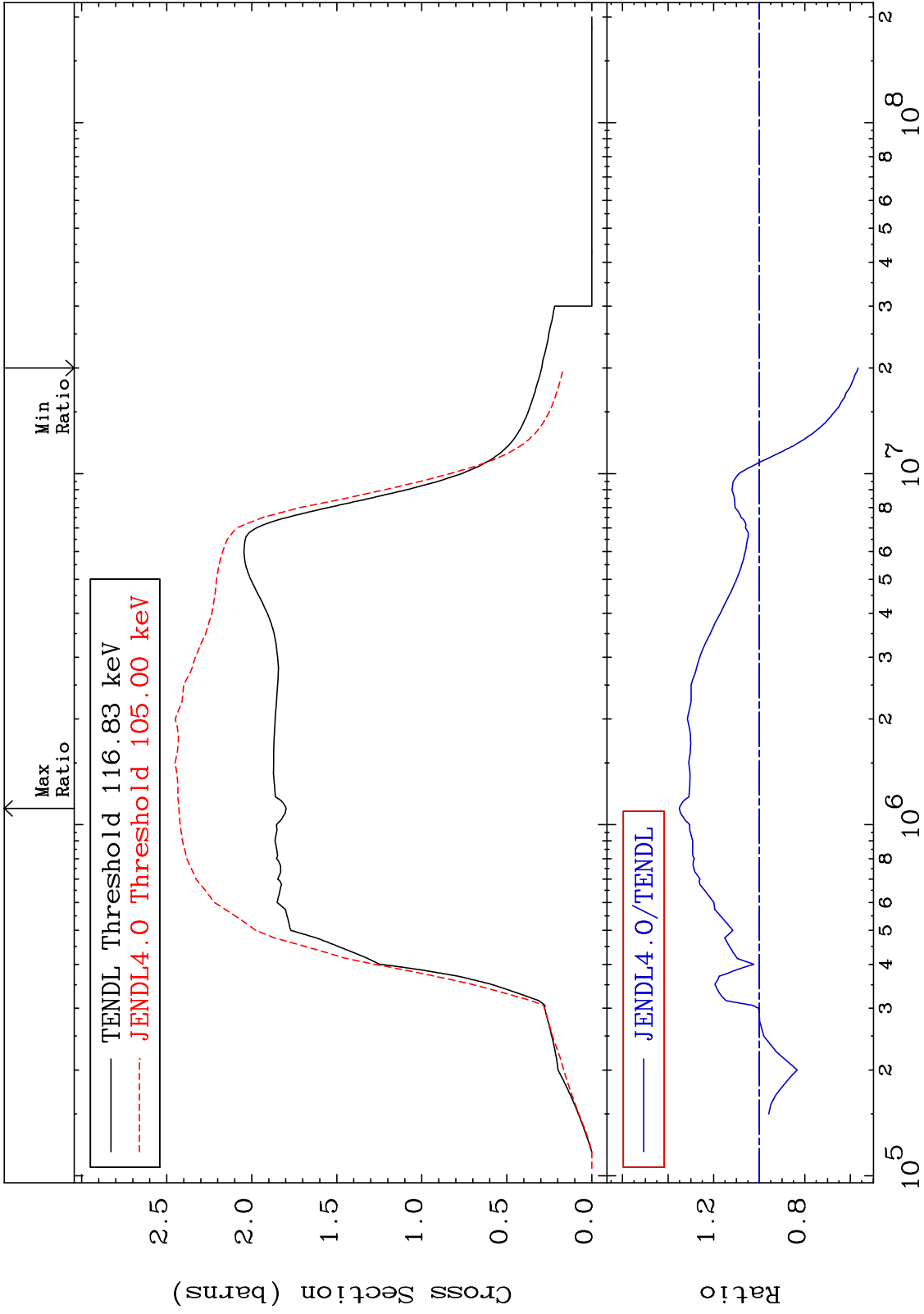
Incident Energy (eV)

MAT 4640

Inelastic
Cross Section

46-Pd-107

-43.44 To 35.06 %

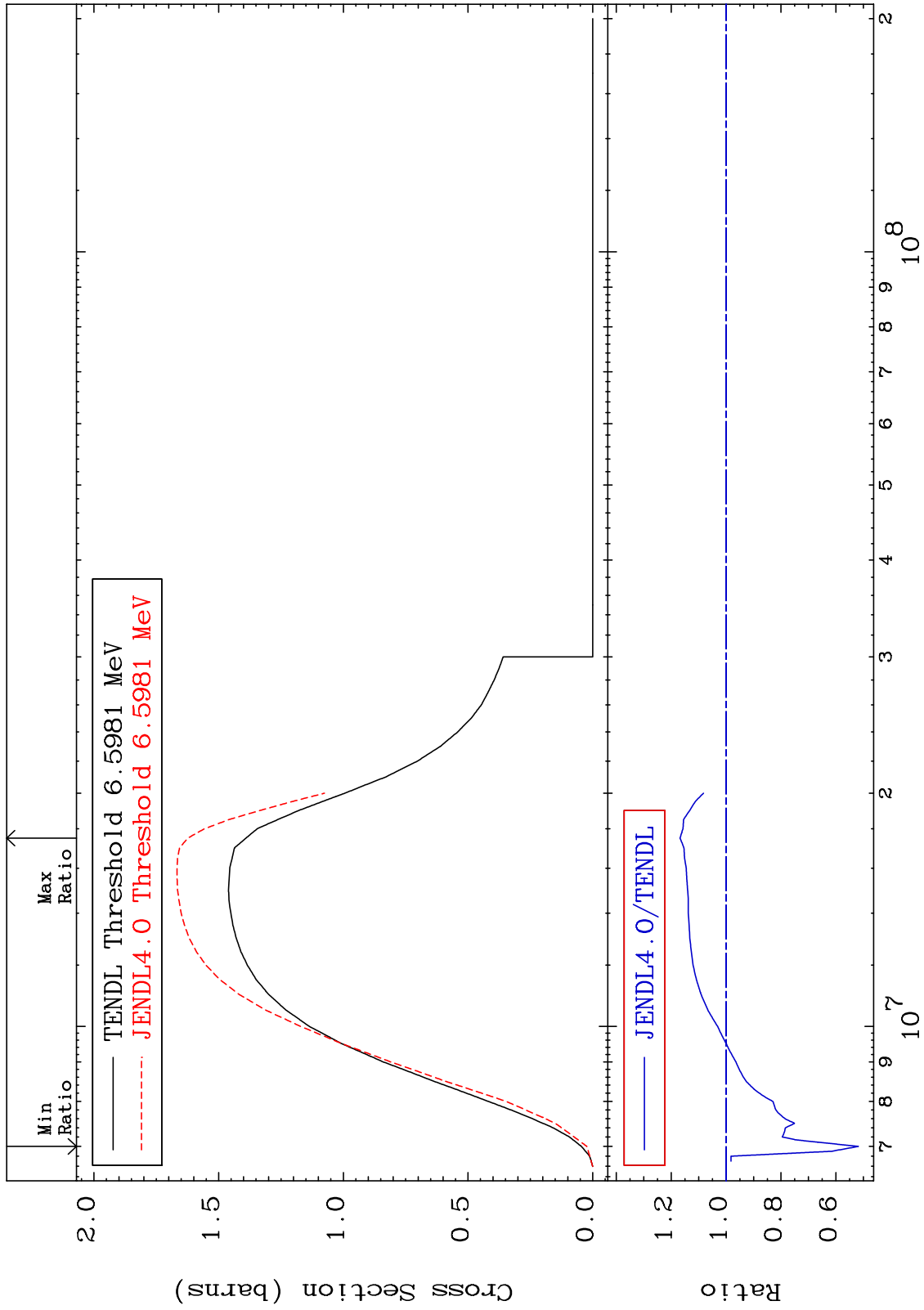


Incident Energy (eV)

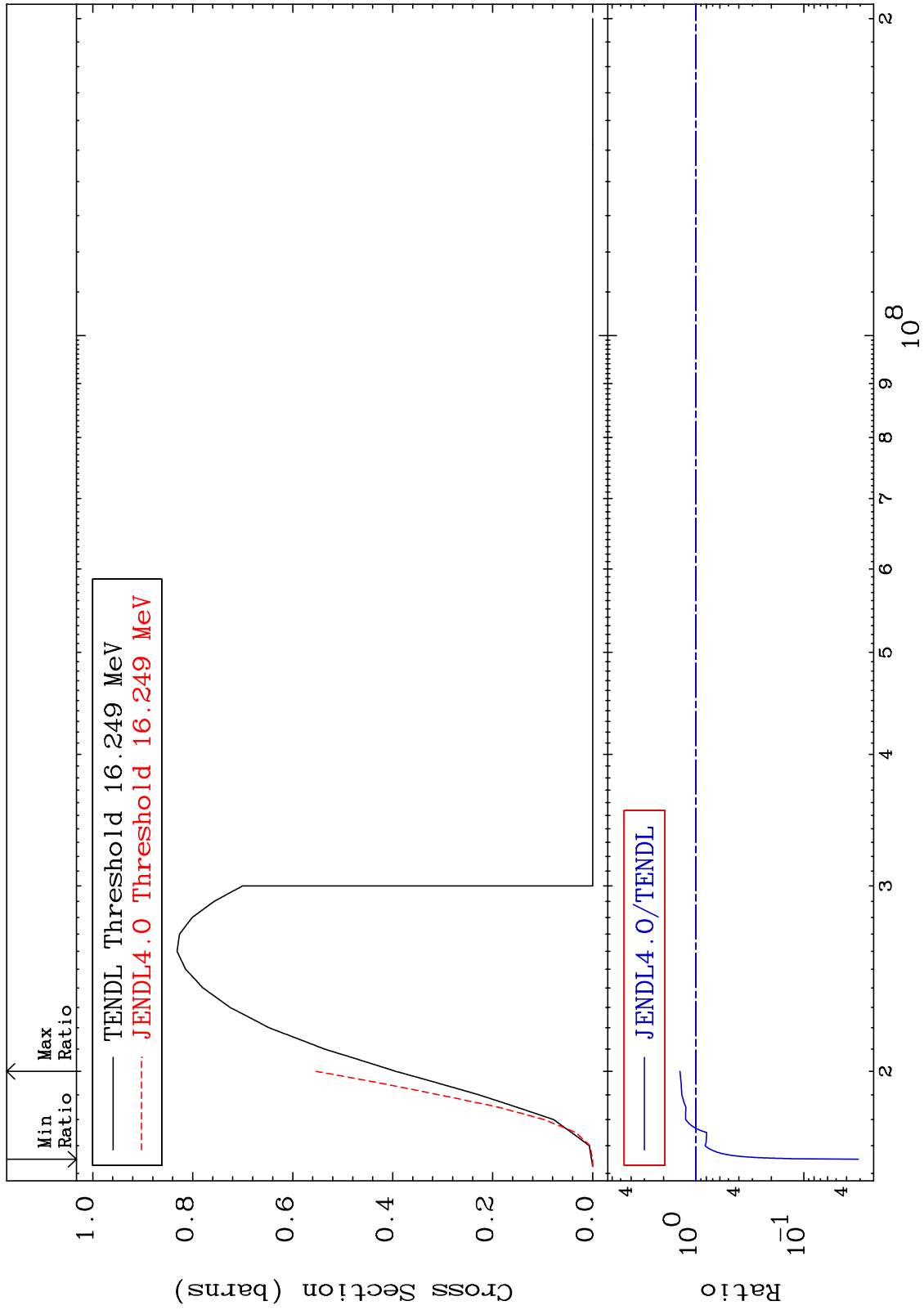
46-Pd-107

3

MAT 4640 (n,2n) Cross Section 46-Pd-107 -48.16 To 16.77 %



MAT 4640 (n,3n) Cross Section 46-Pd-107 -96.89 To 40.50 %



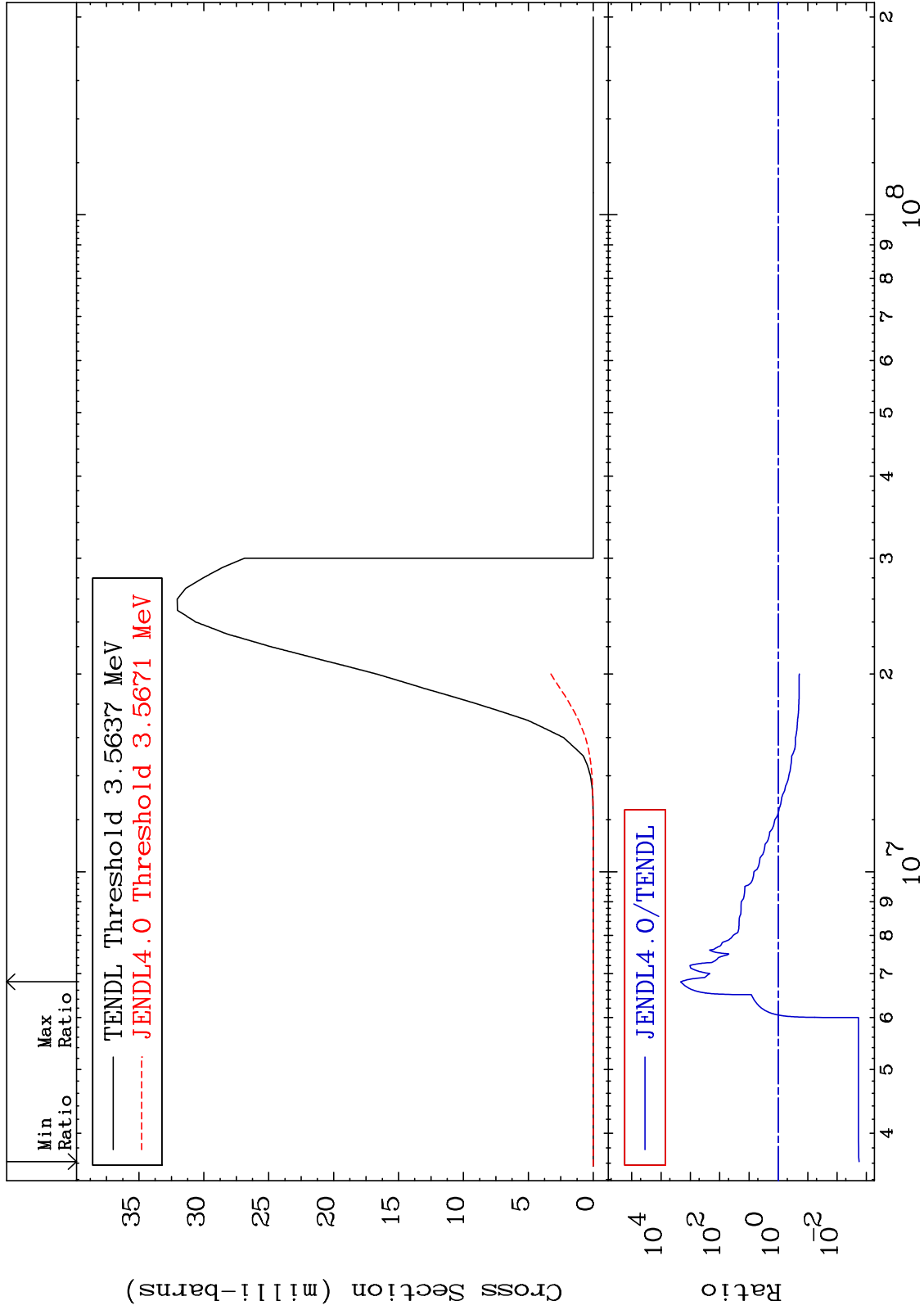
MAT 4640

(n,n') α

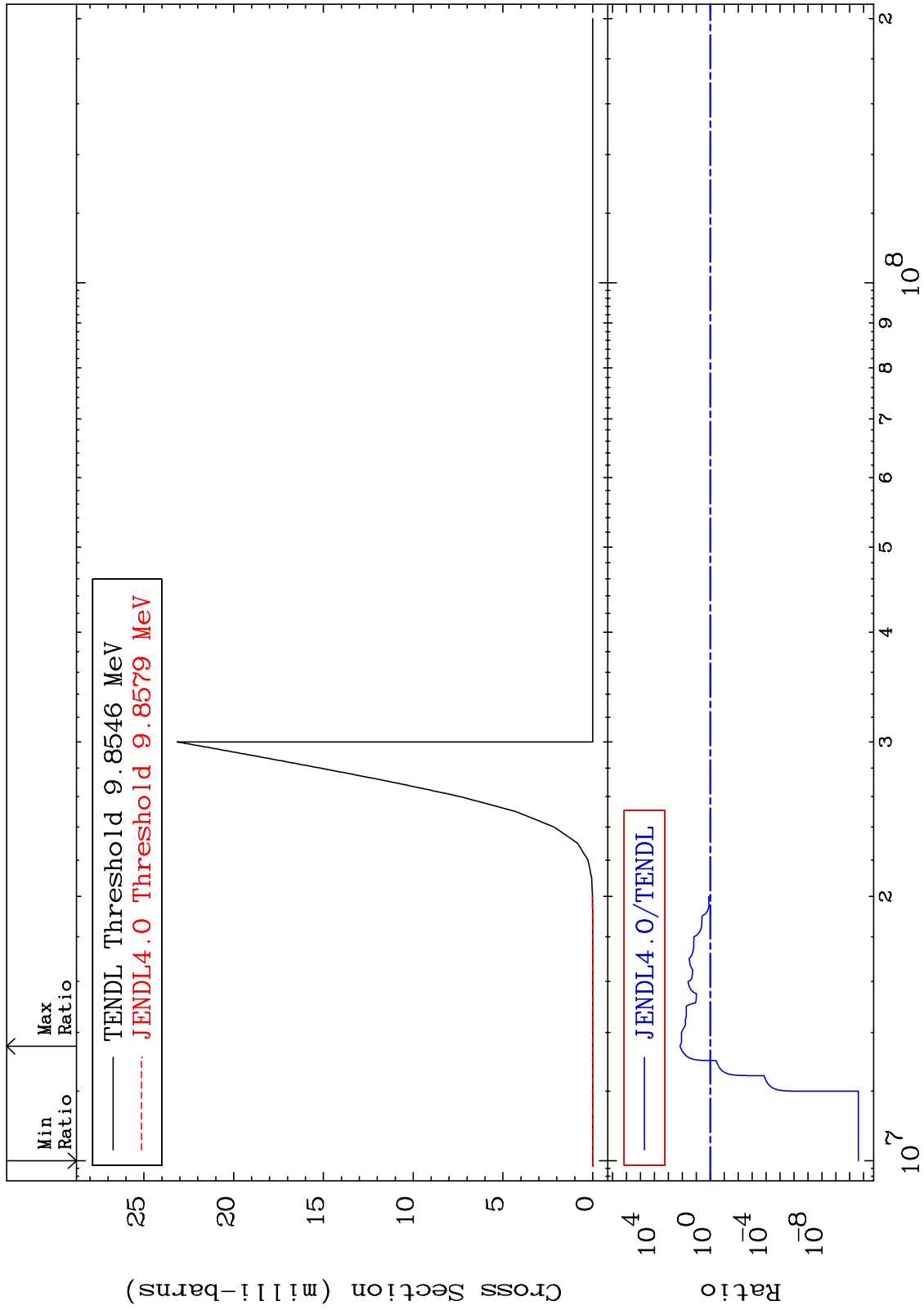
46-Pd-107

Cross Section

-99.82 To 9999. %



MAT 4640 (n,2n) α 46-Pd-107
Cross Section -100.0 To 9999. %

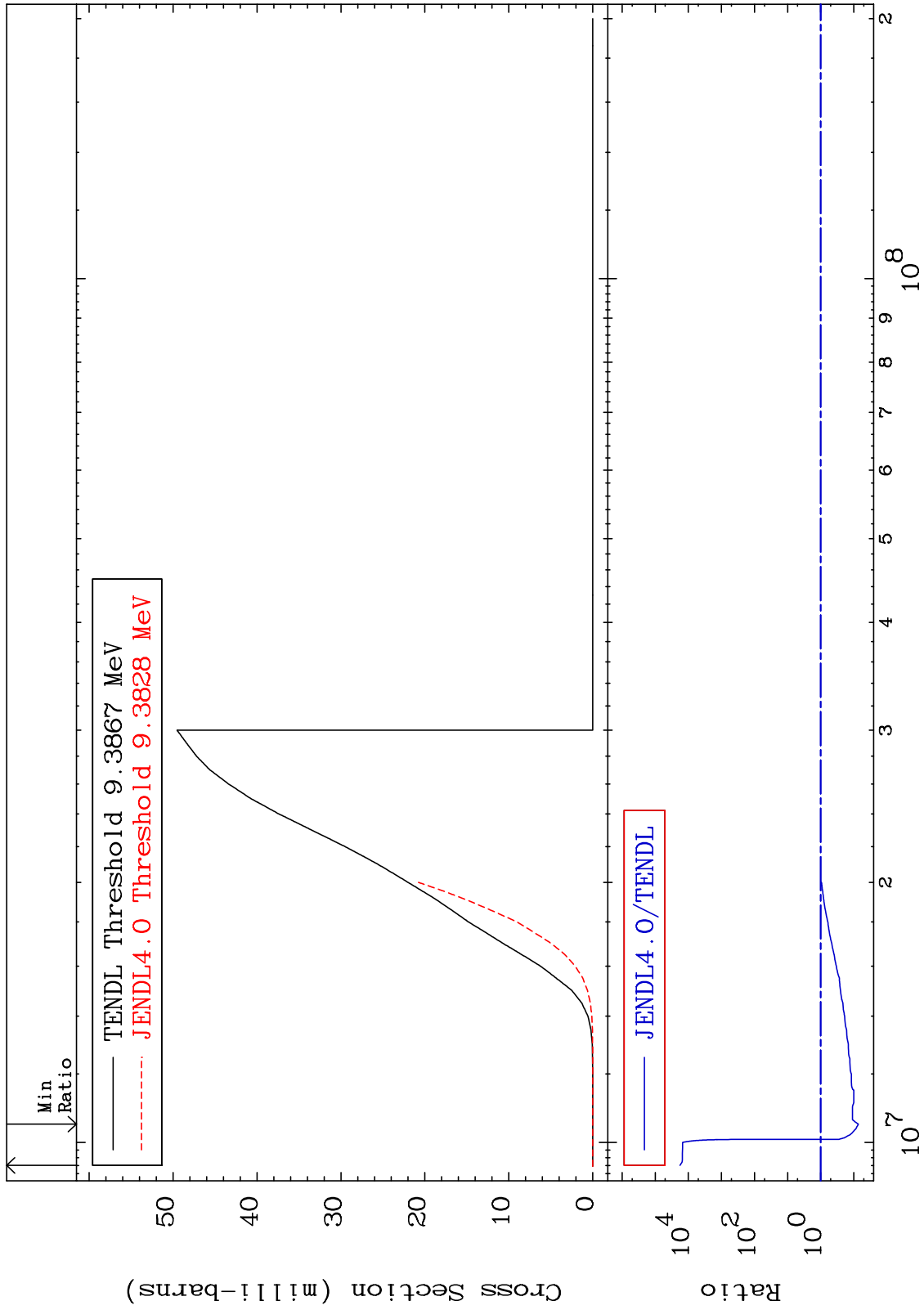


46-Pd-107

MAT 4640

(n,n') p
Cross Section

46-Pd-107
-92.75 To 9999. %



46-Pd-107

Incident Energy (eV)

8

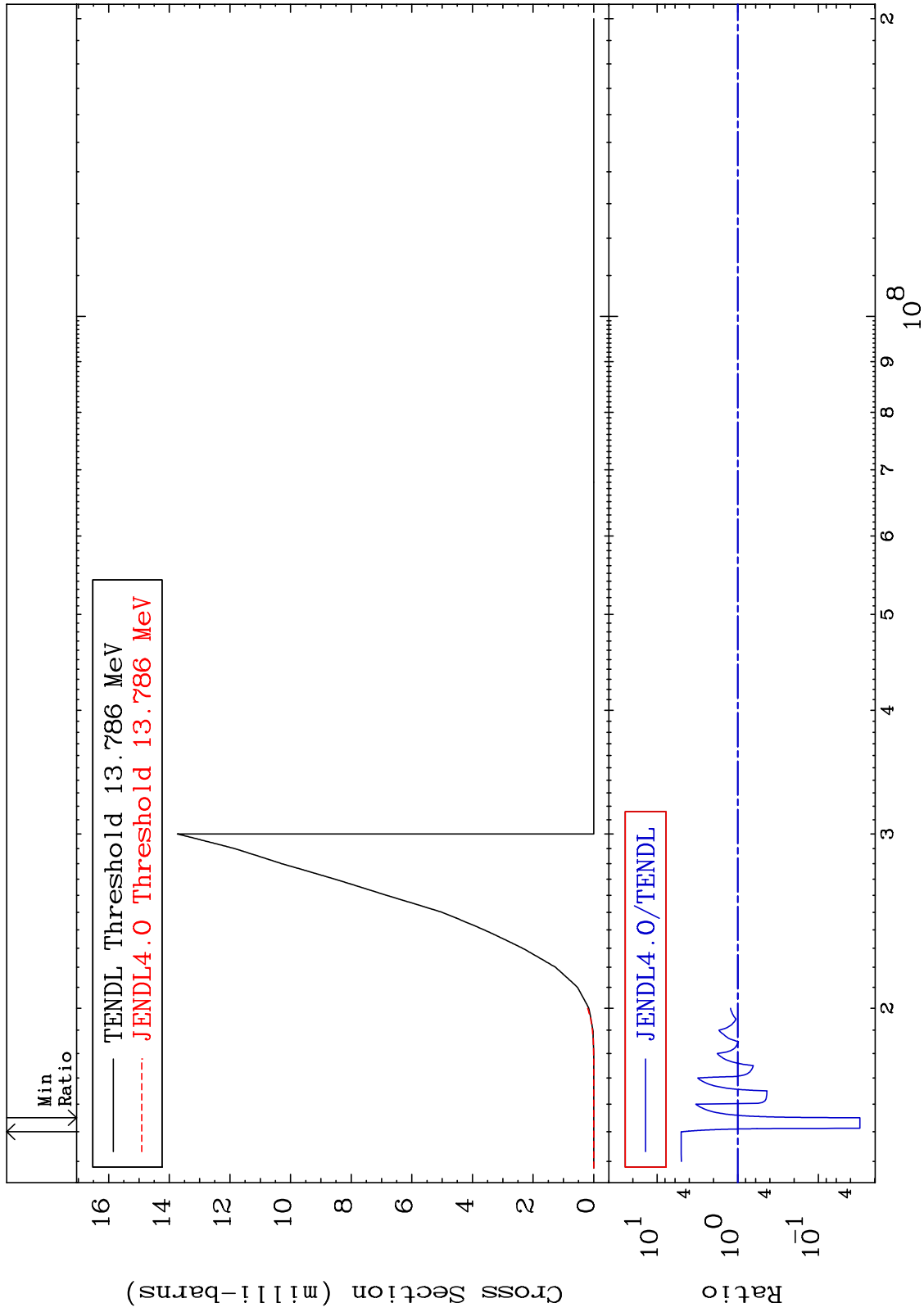
MAT 4640

(n,n') d

46-Pd-107

Cross Section

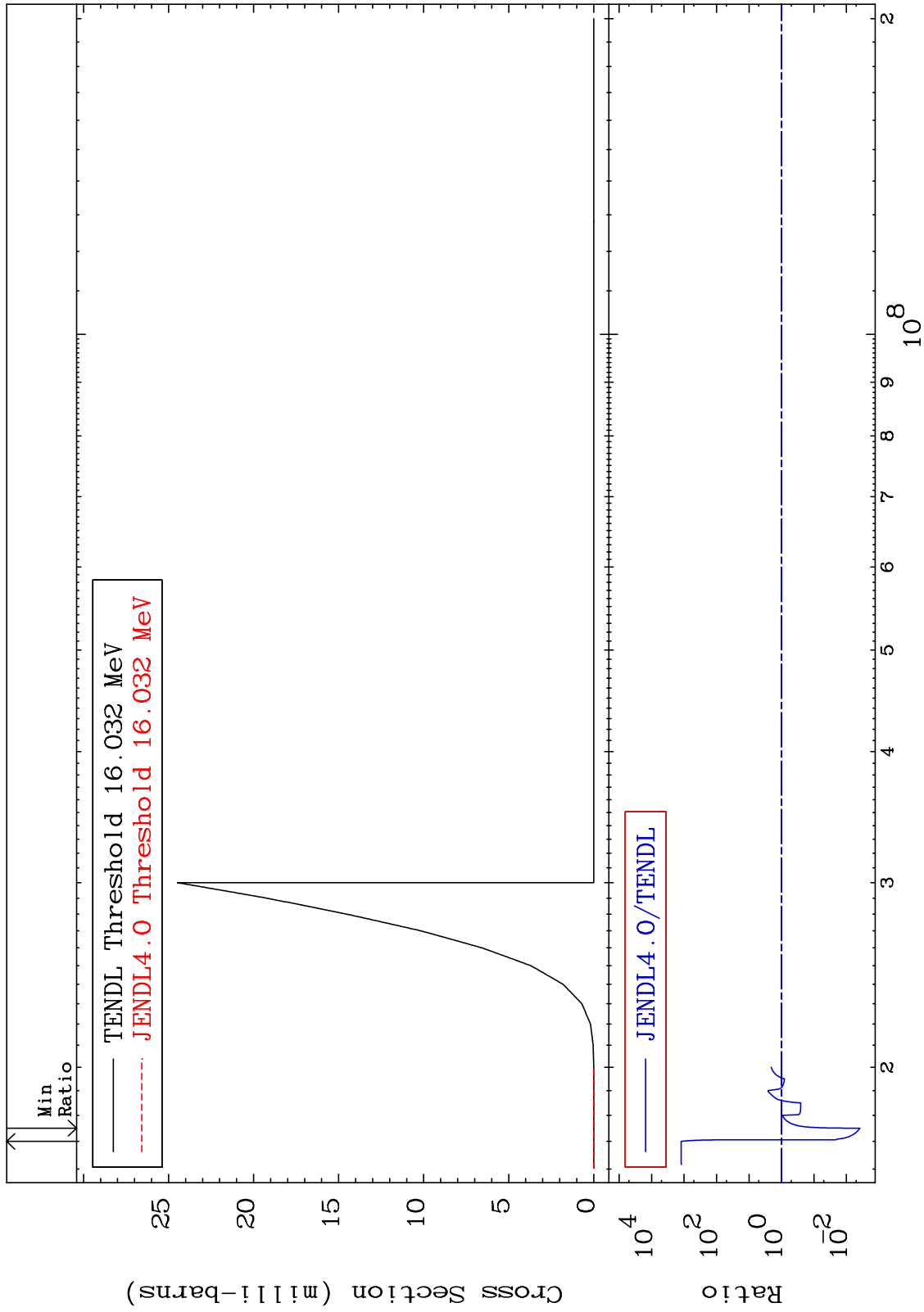
-96.94 To 402.0 %



MAT 4640

(n,2n) p
Cross Section

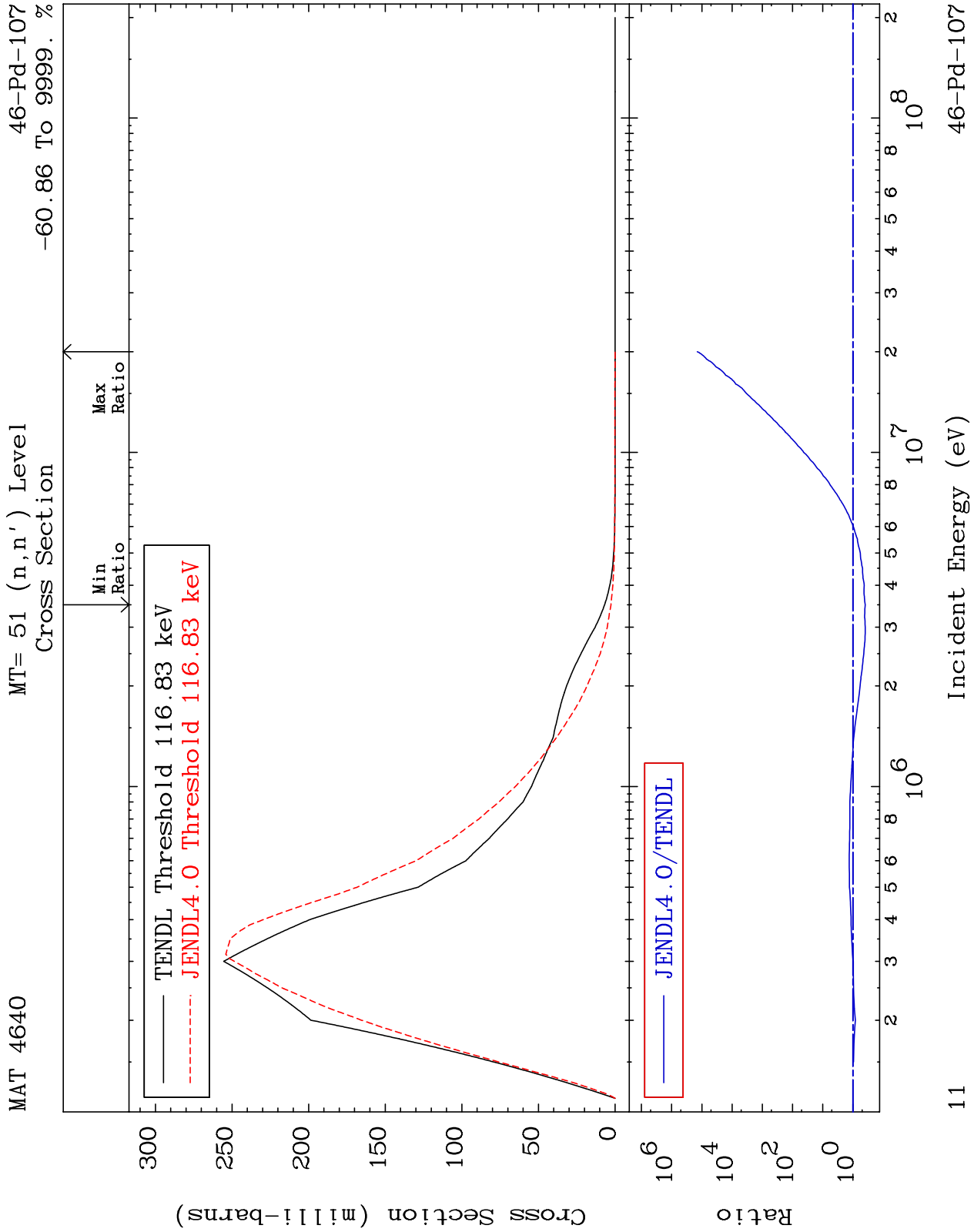
46-Pd-107
-99.62 To 9999. %



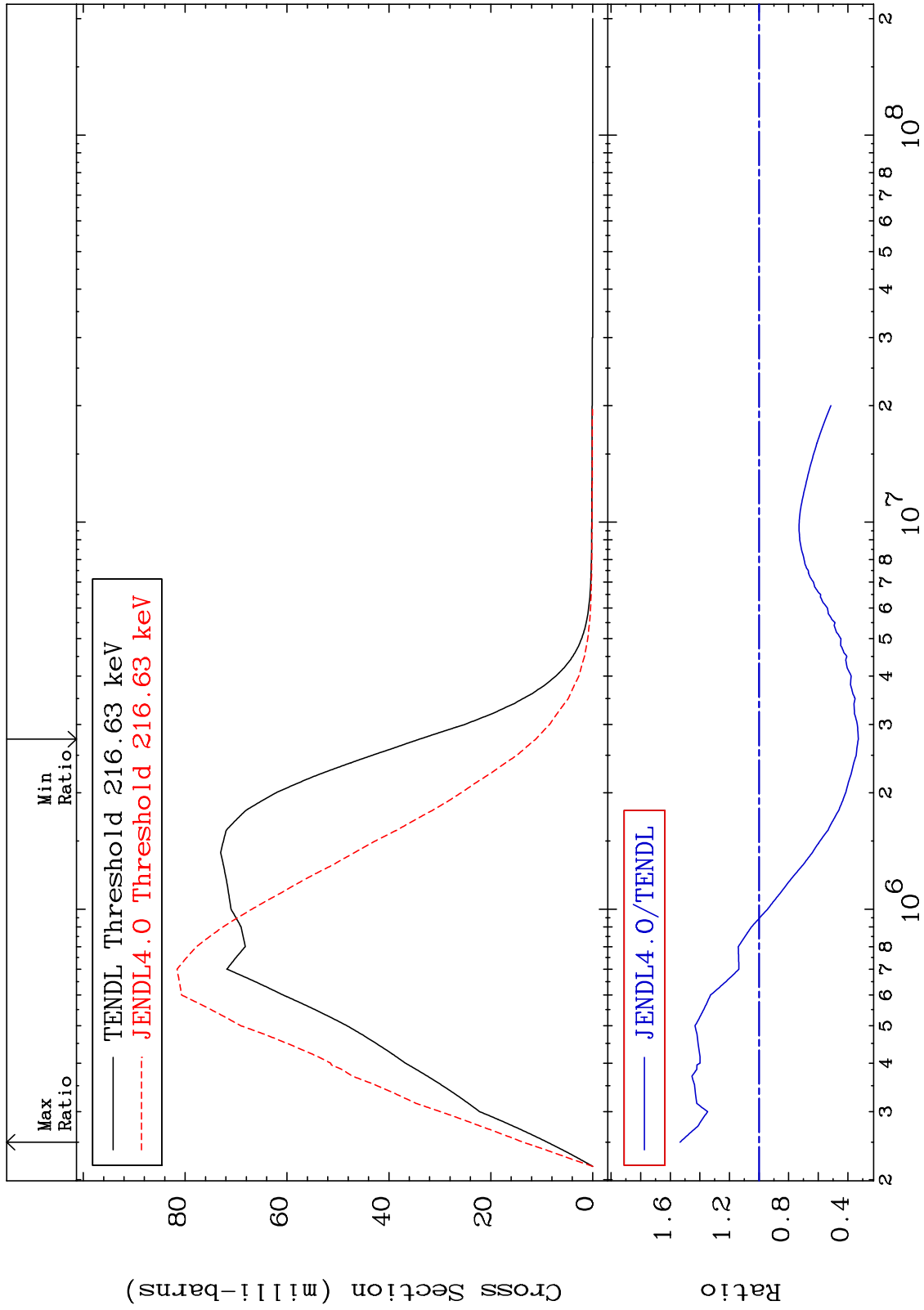
10

Incident Energy (eV)

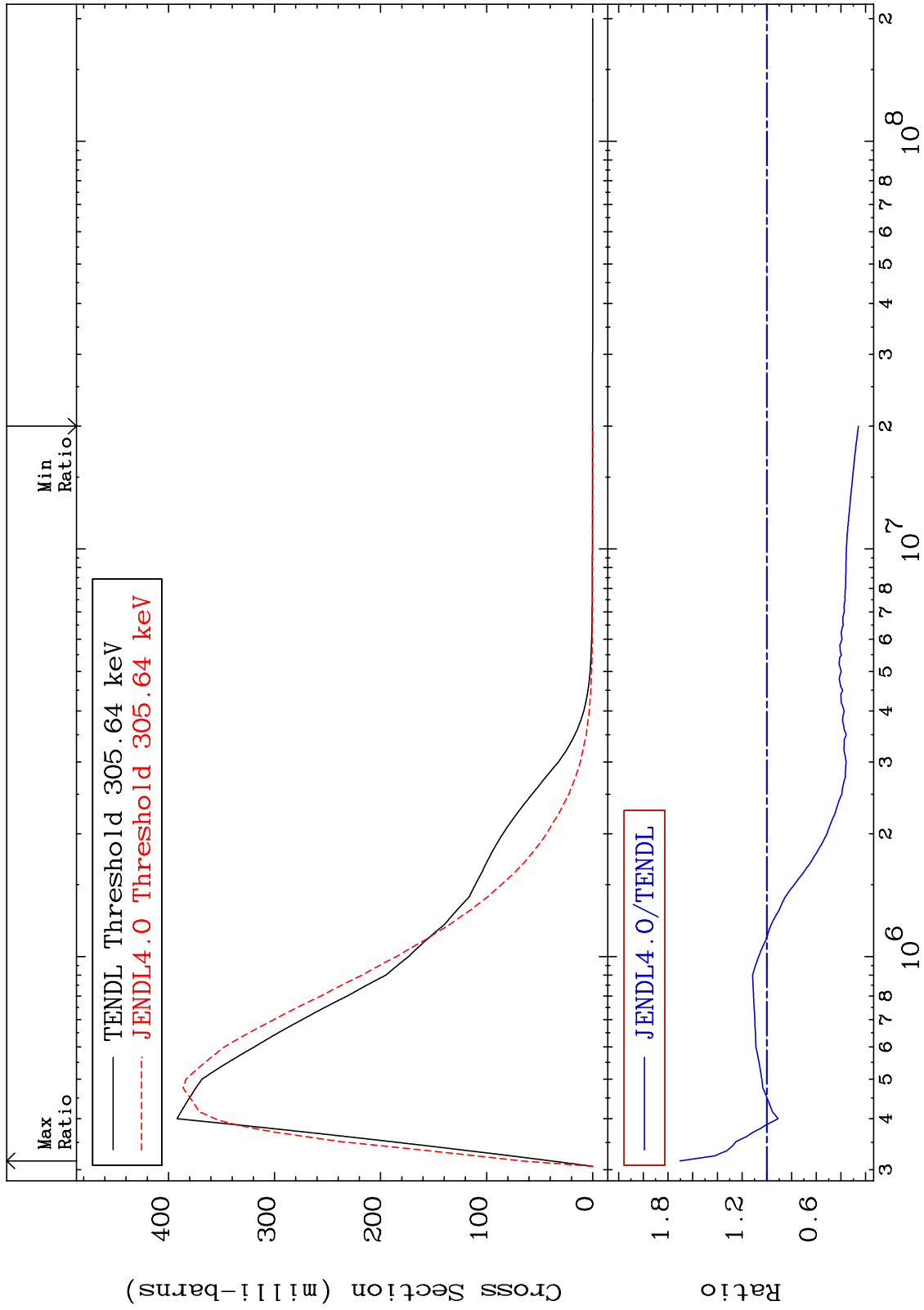
46-Pd-107



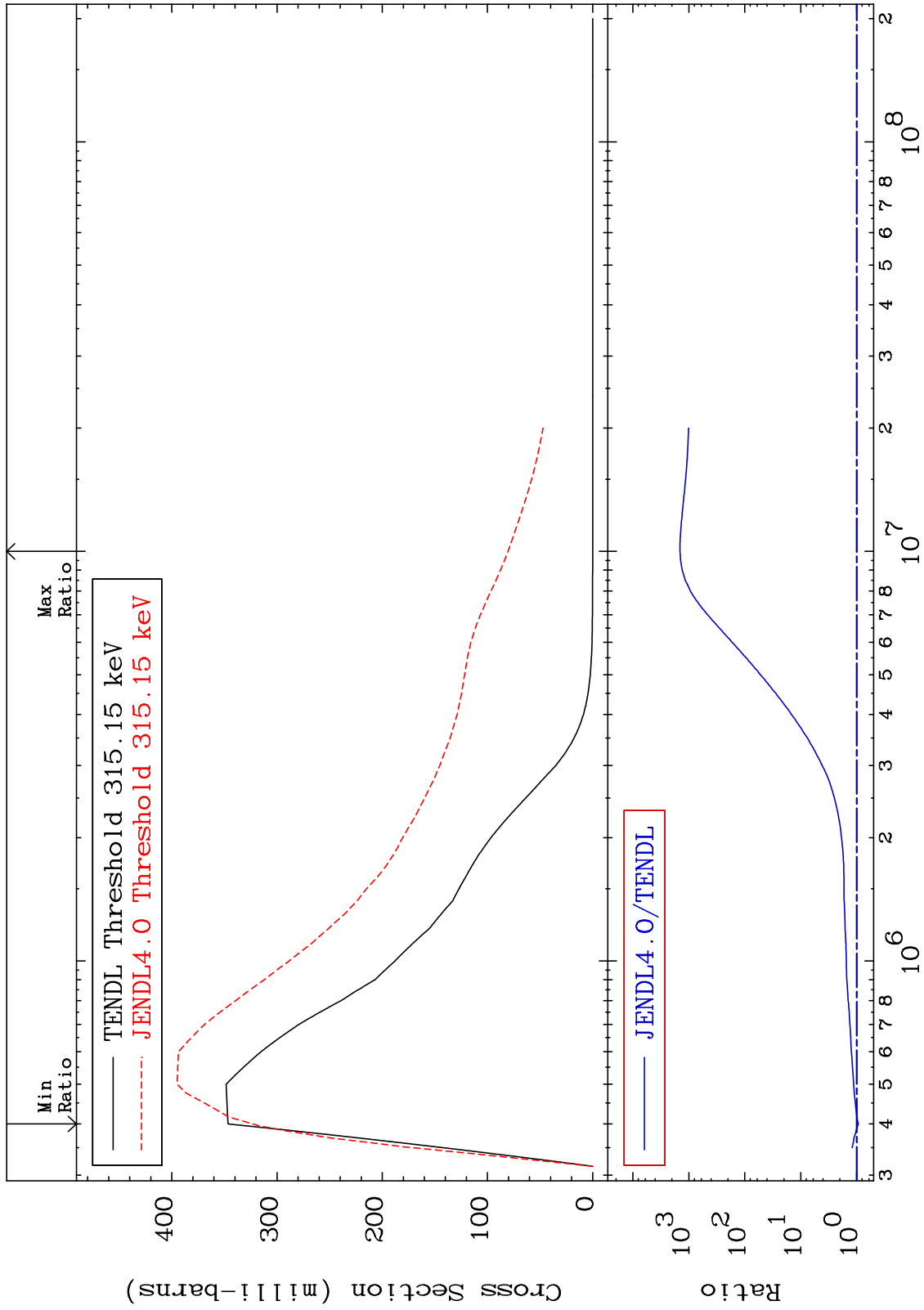
MAT 4640 MT= 52 (n,n') Level 46-Pd-107
 Cross Section -67.11 To 53.40 %



MAT 4640 MT= 53 (n,n') Level 46-Pd-107
 Cross Section -74.13 To 70.26 %

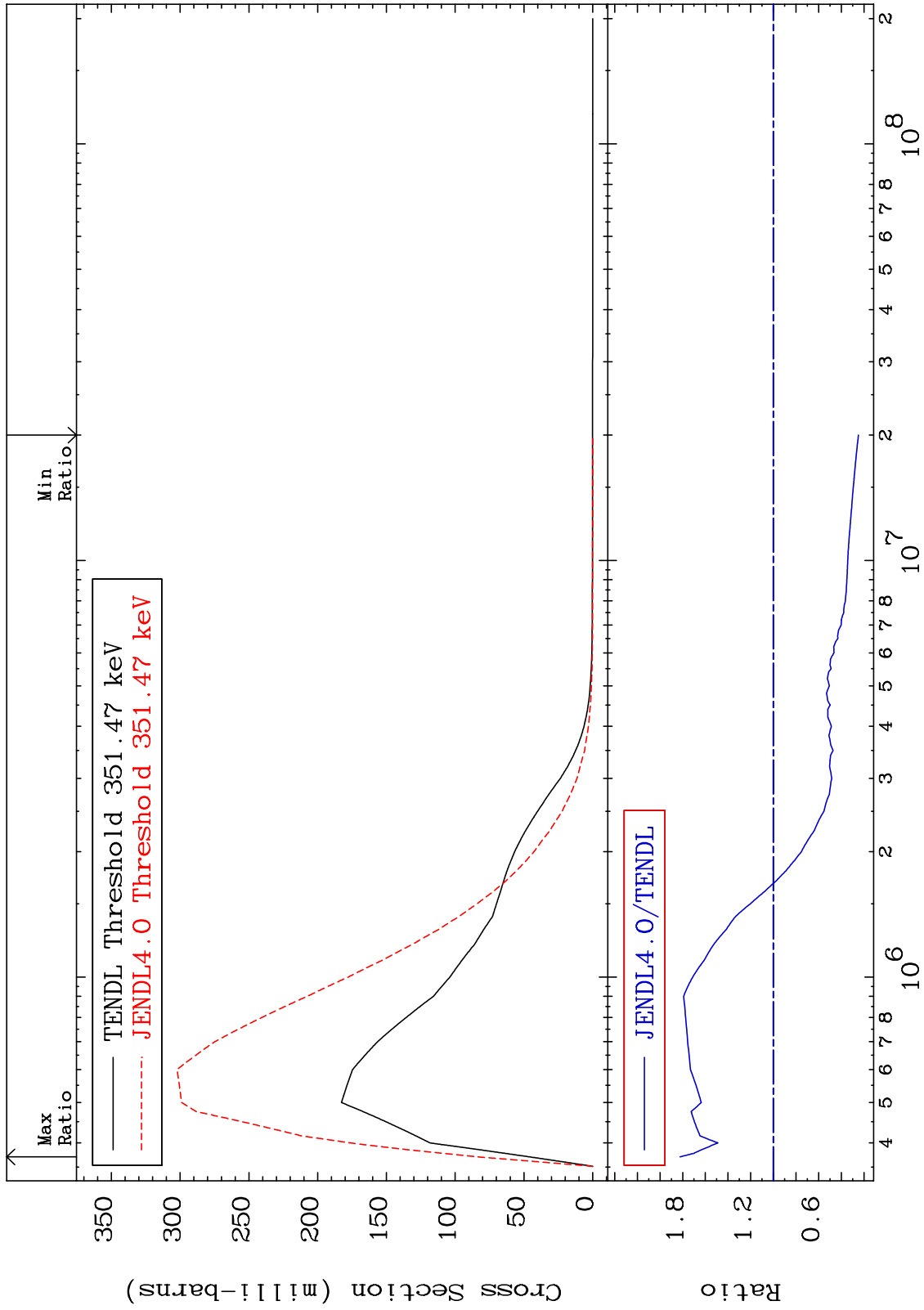


MAT 4640 MT= 54 (n,n') Level 46-Pd-107
 Cross Section -6.695 To 9999. %



14 Incident Energy (eV) 46-Pd-107

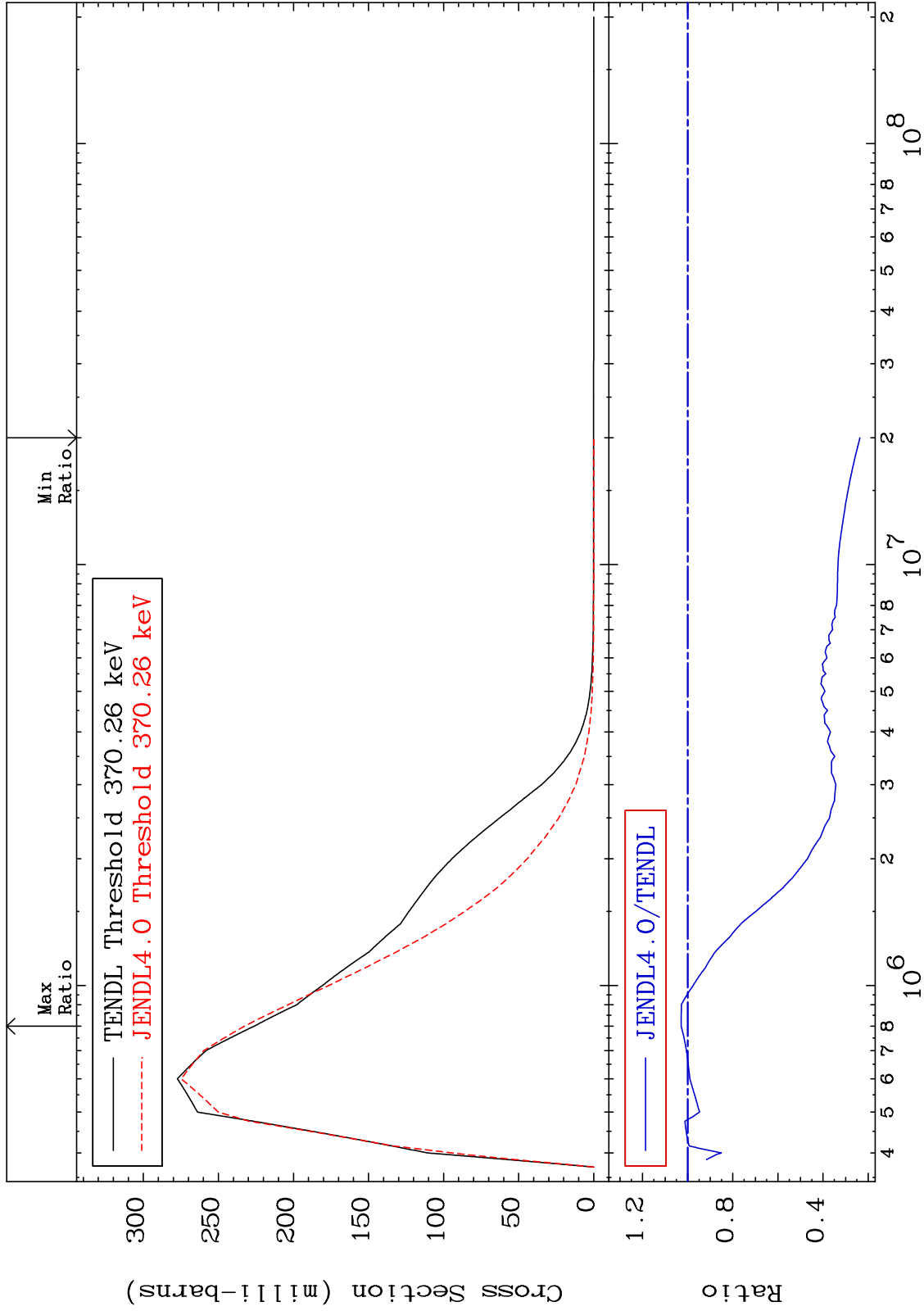
MAT 4640 MT= 55 (n,n') Level Cross Section 46-Pd-107
 -75.05 To 82.35 %



MAT 4640

MT= 56 (n,n') Level
Cross Section

46-Pd-107
-76.35 To 2.873 %

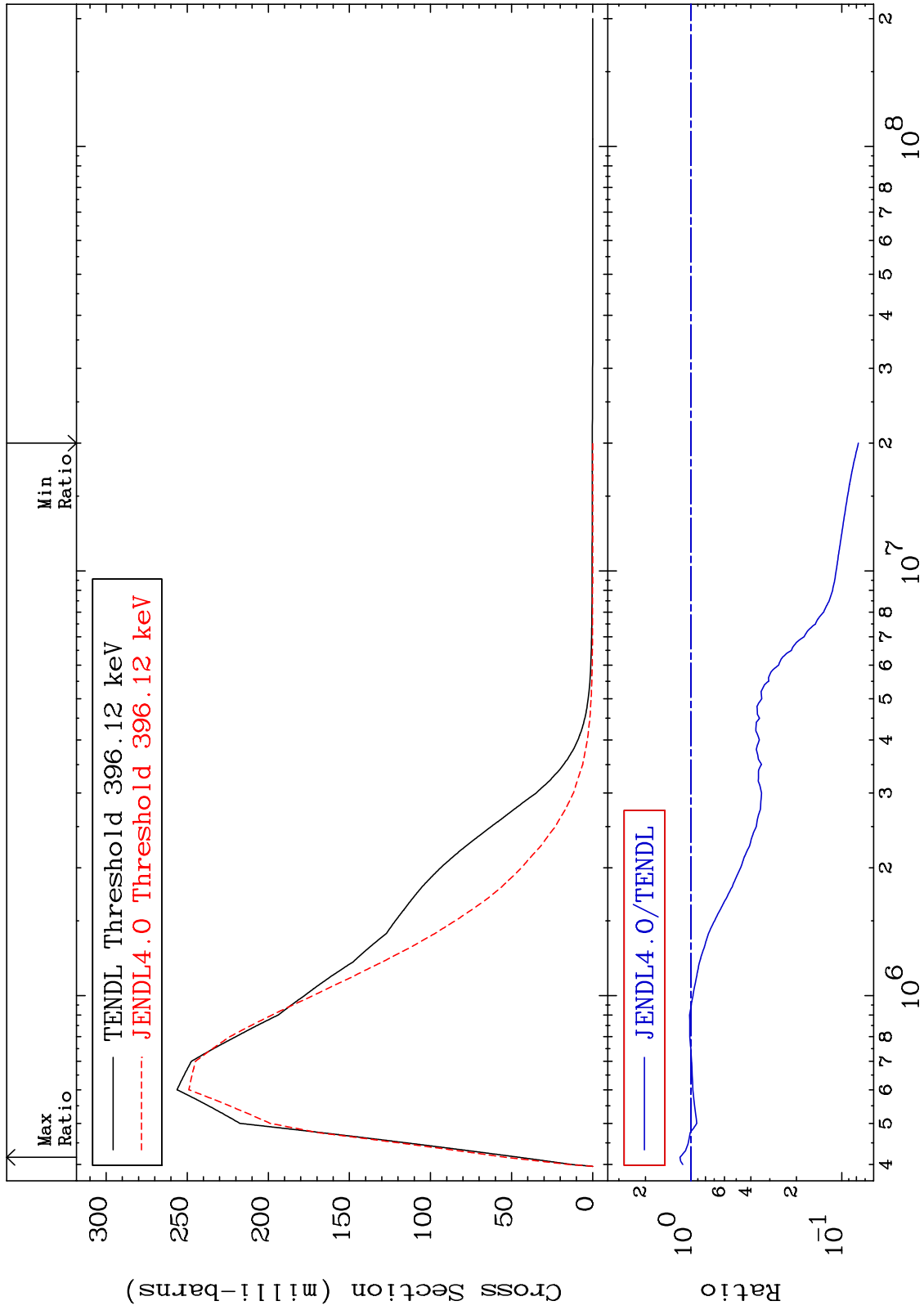


16

Incident Energy (eV)

46-Pd-107

MAT 4640 MT= 58 (n,n') Level 46-Pd-107
 Cross Section -92.24 To 18.10 %

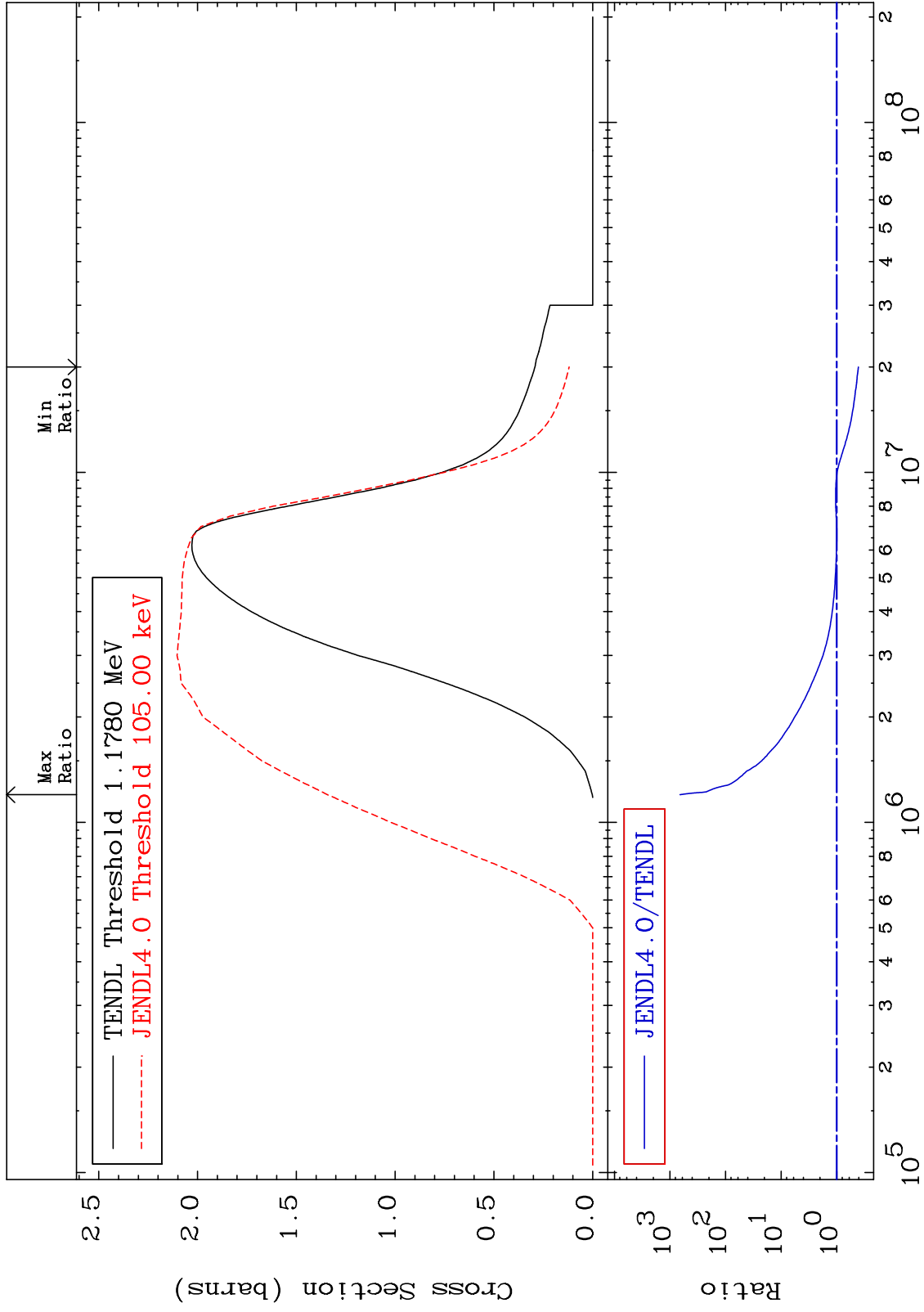


18 46-Pd-107

MAT 4640

(n,n') Continuum
Cross Section

46-Pd-107
-59.18 To 9999. %



21

Incident Energy (eV)

46-Pd-107

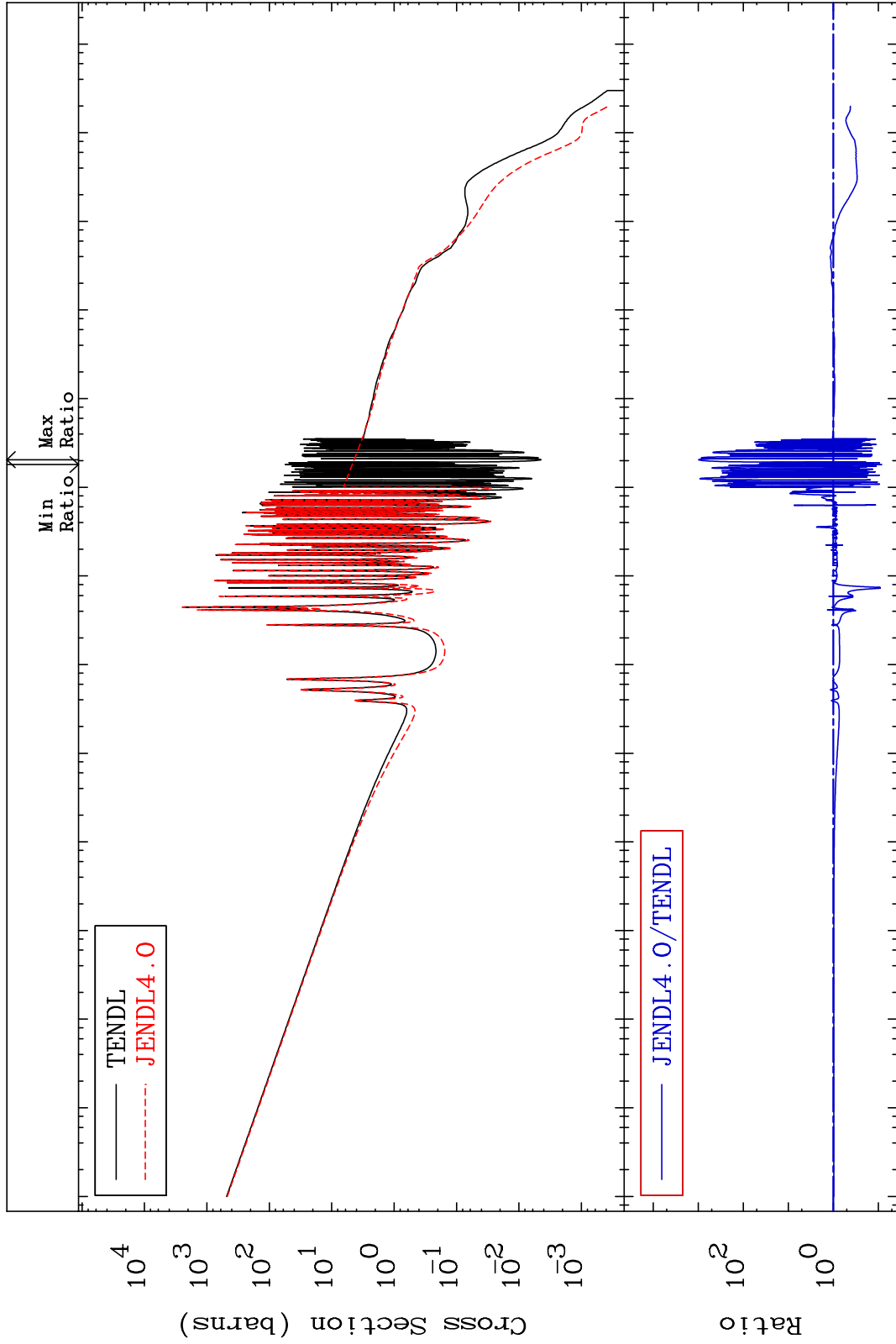
MAT 4640

(n, γ)

46-Pd-107

-91.55 To 9999. %

Cross Section

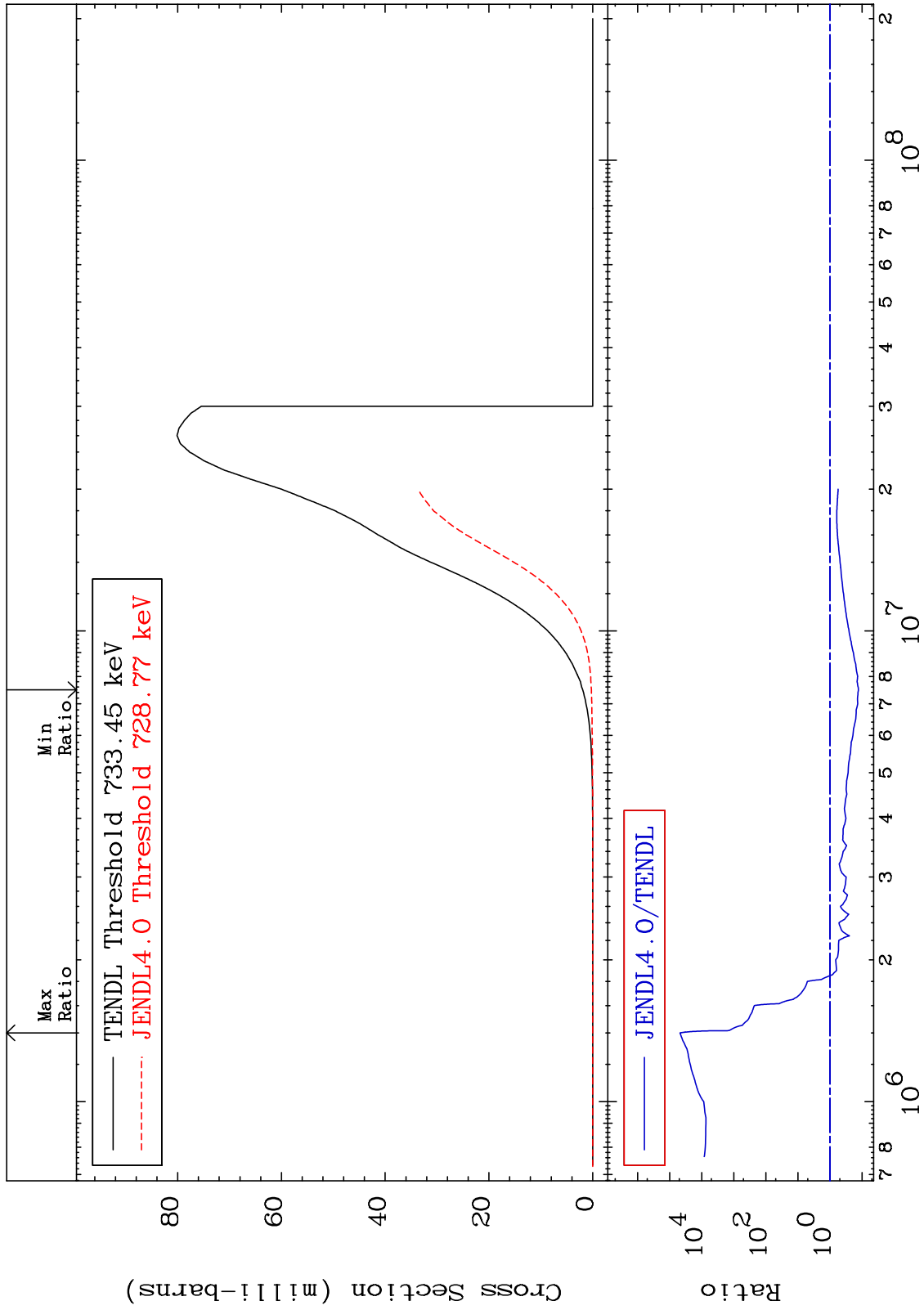


Incident Energy (eV)

22

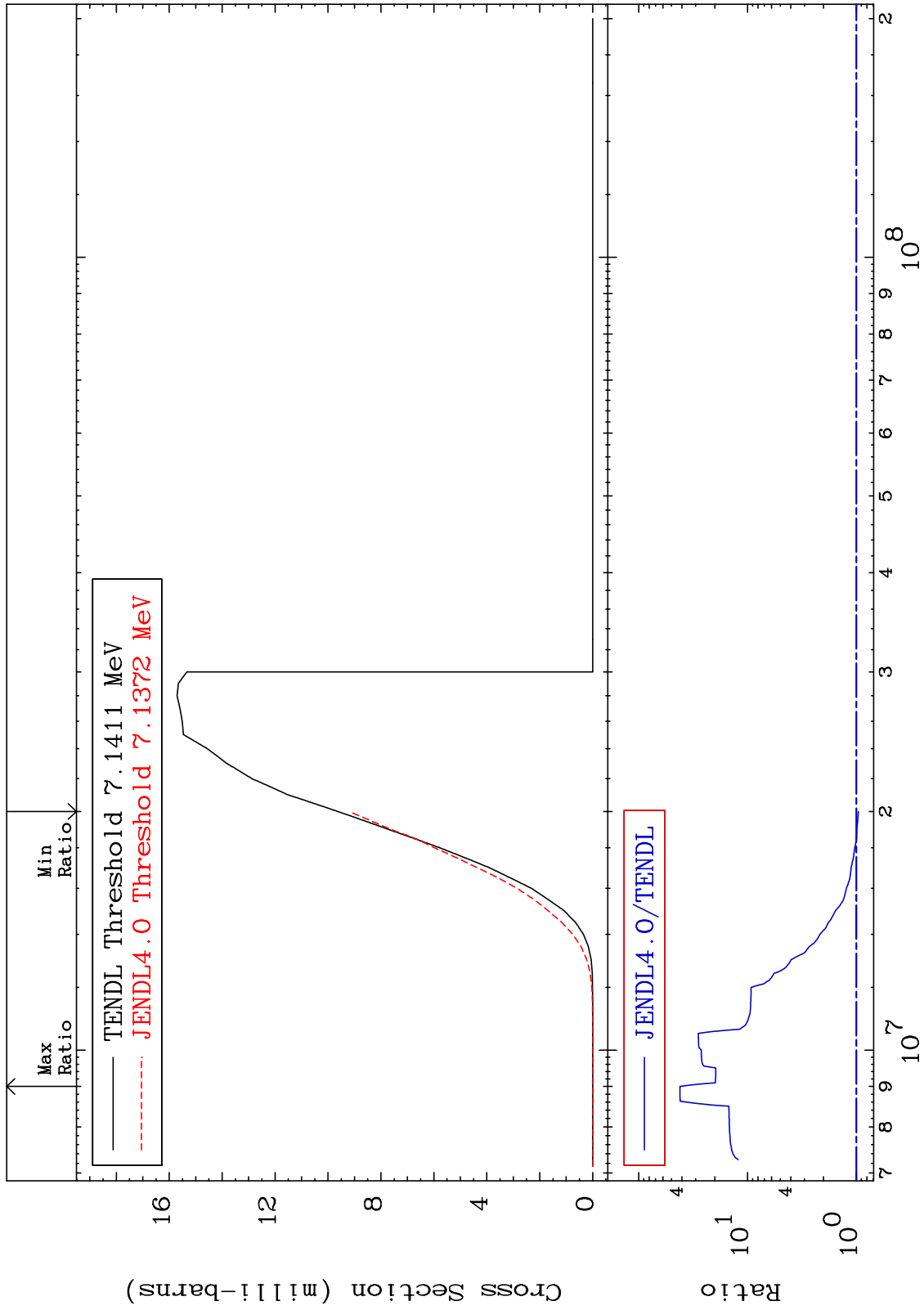
46-Pd-107

MAT 4640 (n,p) Cross Section 46-Pd-107 -86.90 To 9999. %



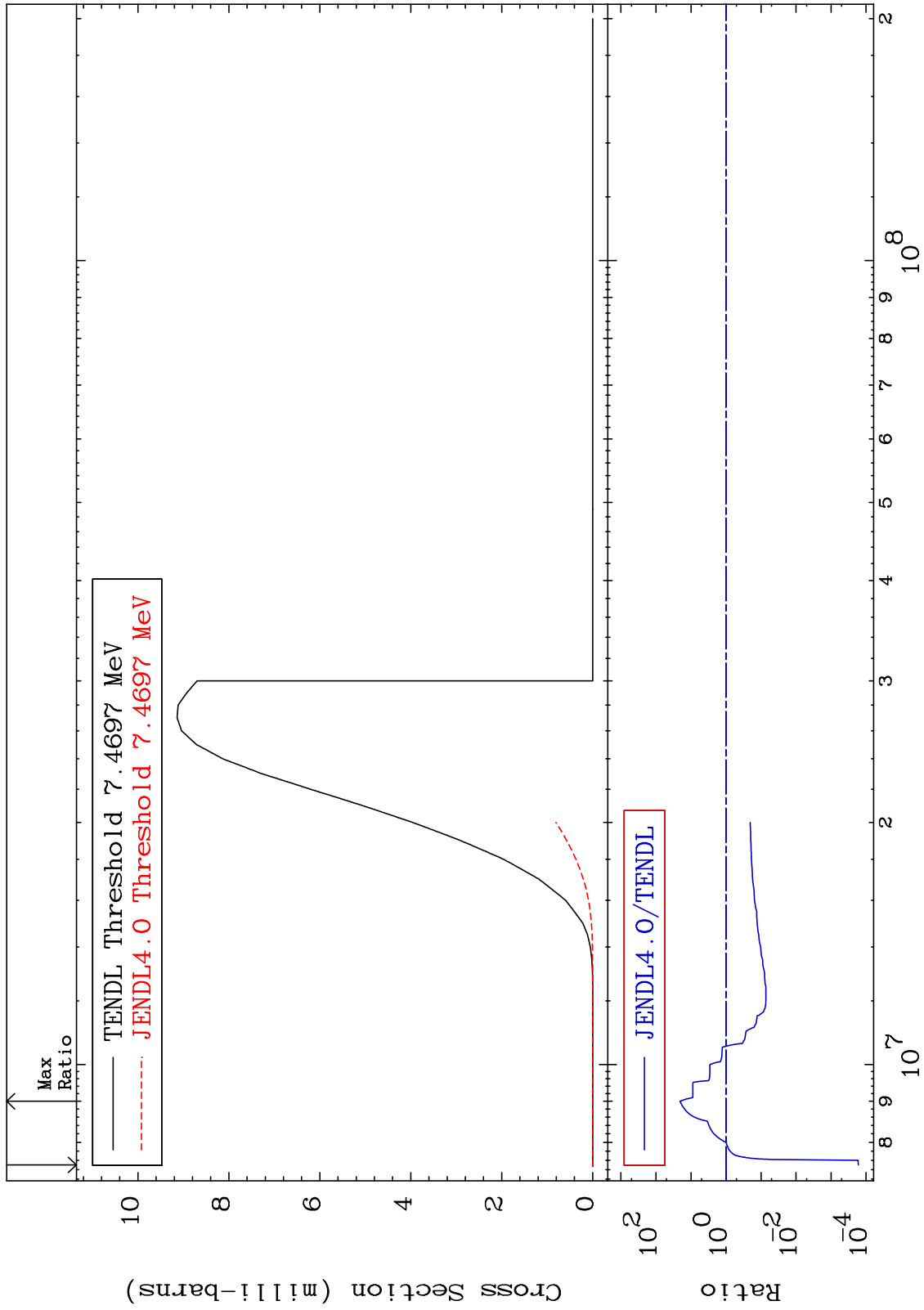
23 Incident Energy (eV) 46-Pd-107

MAT 4640 (n,d) 46-Pd-107
 Cross Section -4.370 To 4073. %



Incident Energy (eV) 46-Pd-107

MAT 4640 (n, t) Cross Section 46-Pd-107 -99.98 To 1956. %



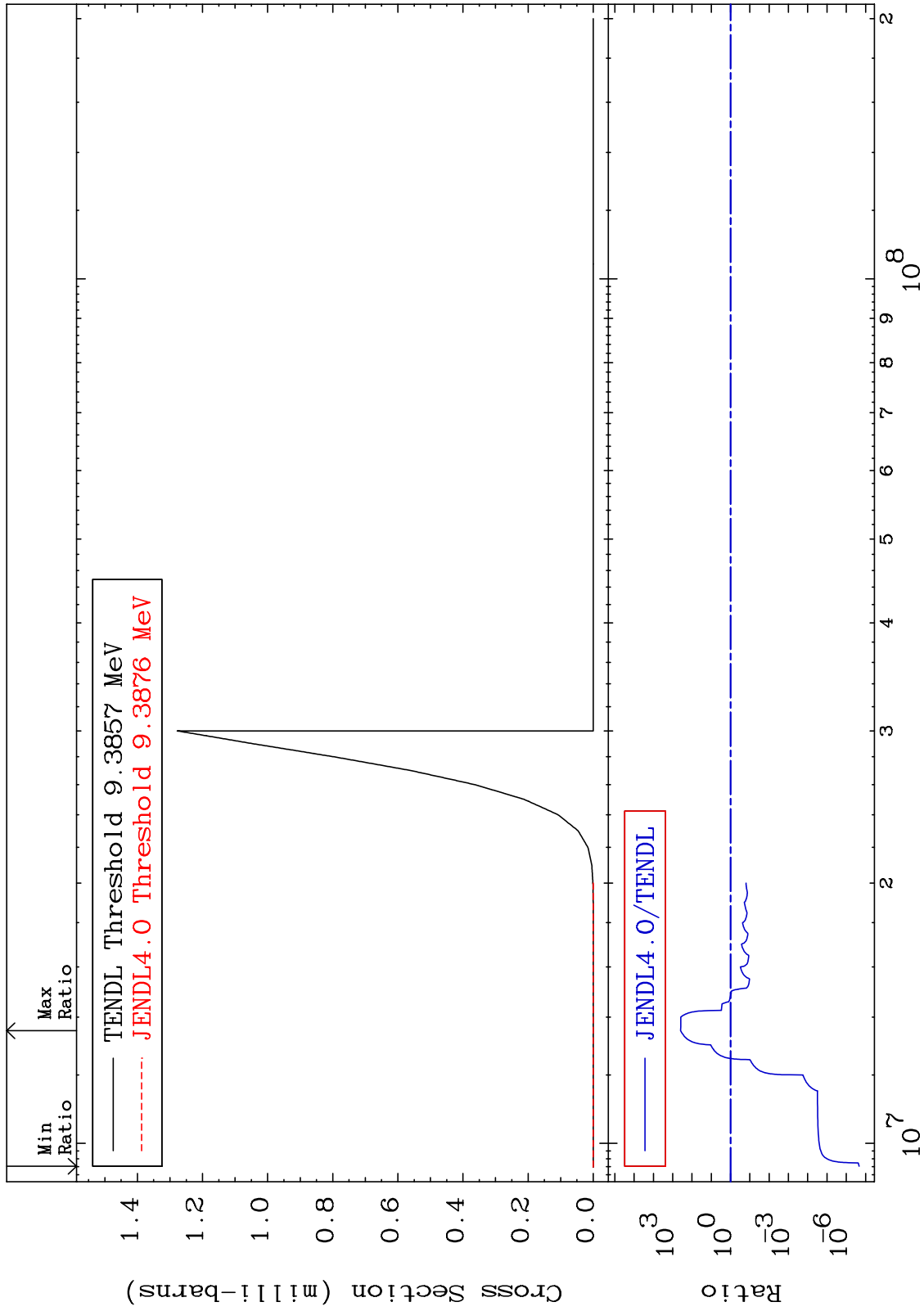
MAT 4640

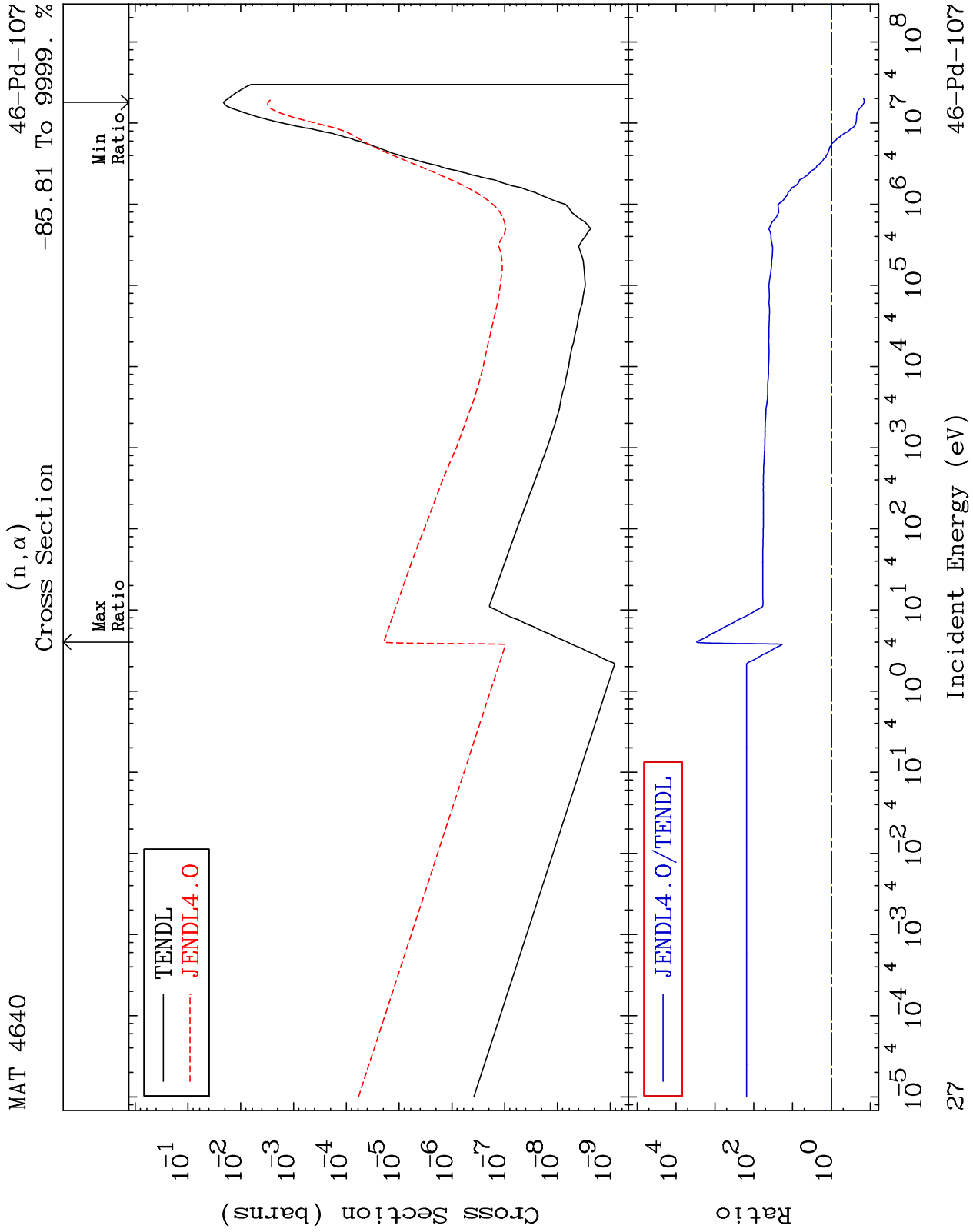
(n, He-3)

46-Pd-107

Cross Section

-100.0 To 9999. %

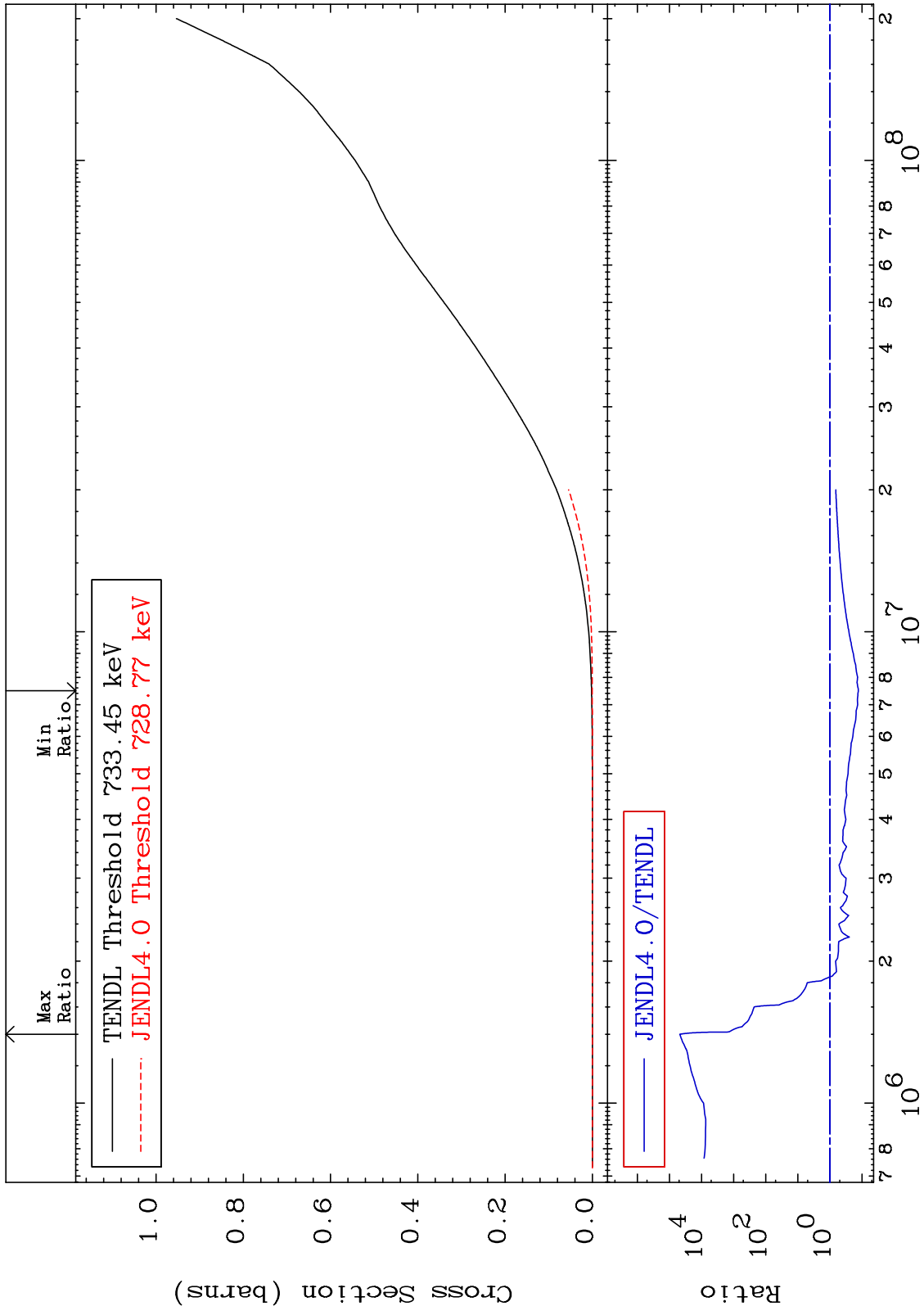




MAT 4640

Hydrogen Production
Cross Section

46-Pd-107
-86.90 To 9999. %



28

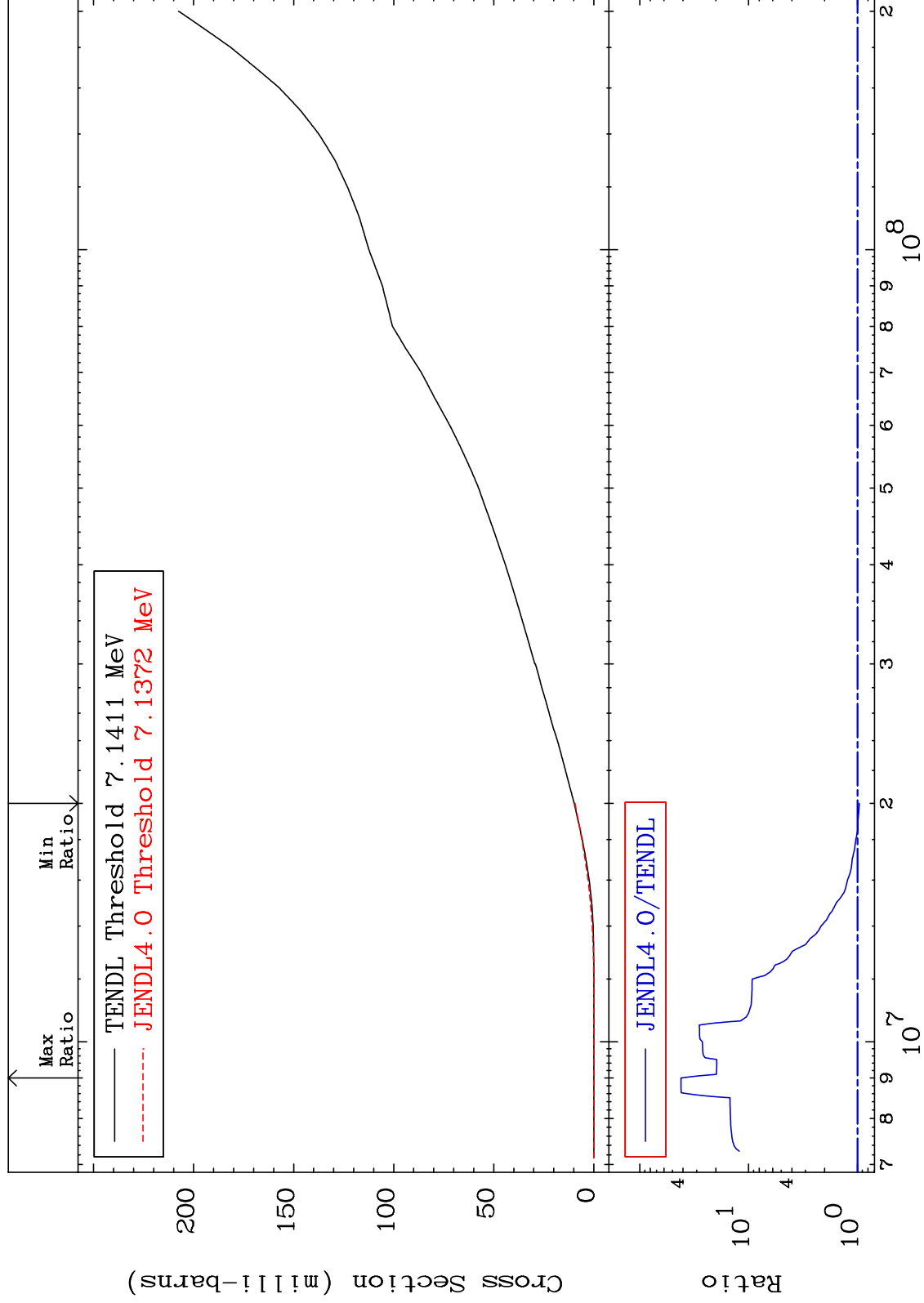
Incident Energy (eV)

46-Pd-107

MAT 4640

Deuterium Production
Cross Section

46-Pd-107
-3.915 To 4073. %



29

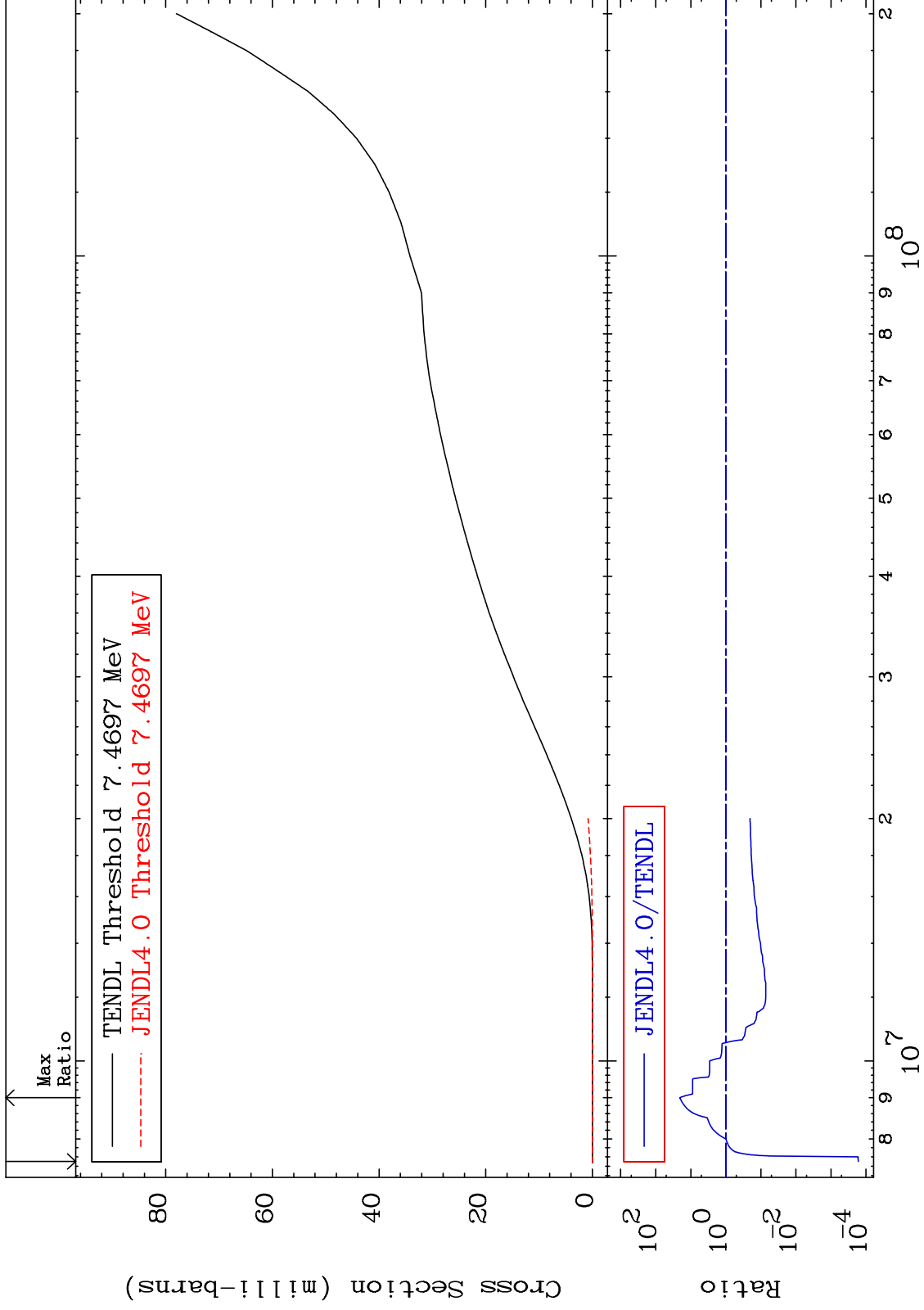
Incident Energy (eV)

46-Pd-107

MAT 4640

Tritium Production
Cross Section

46-Pd-107
-99.98 To 1956. %



30

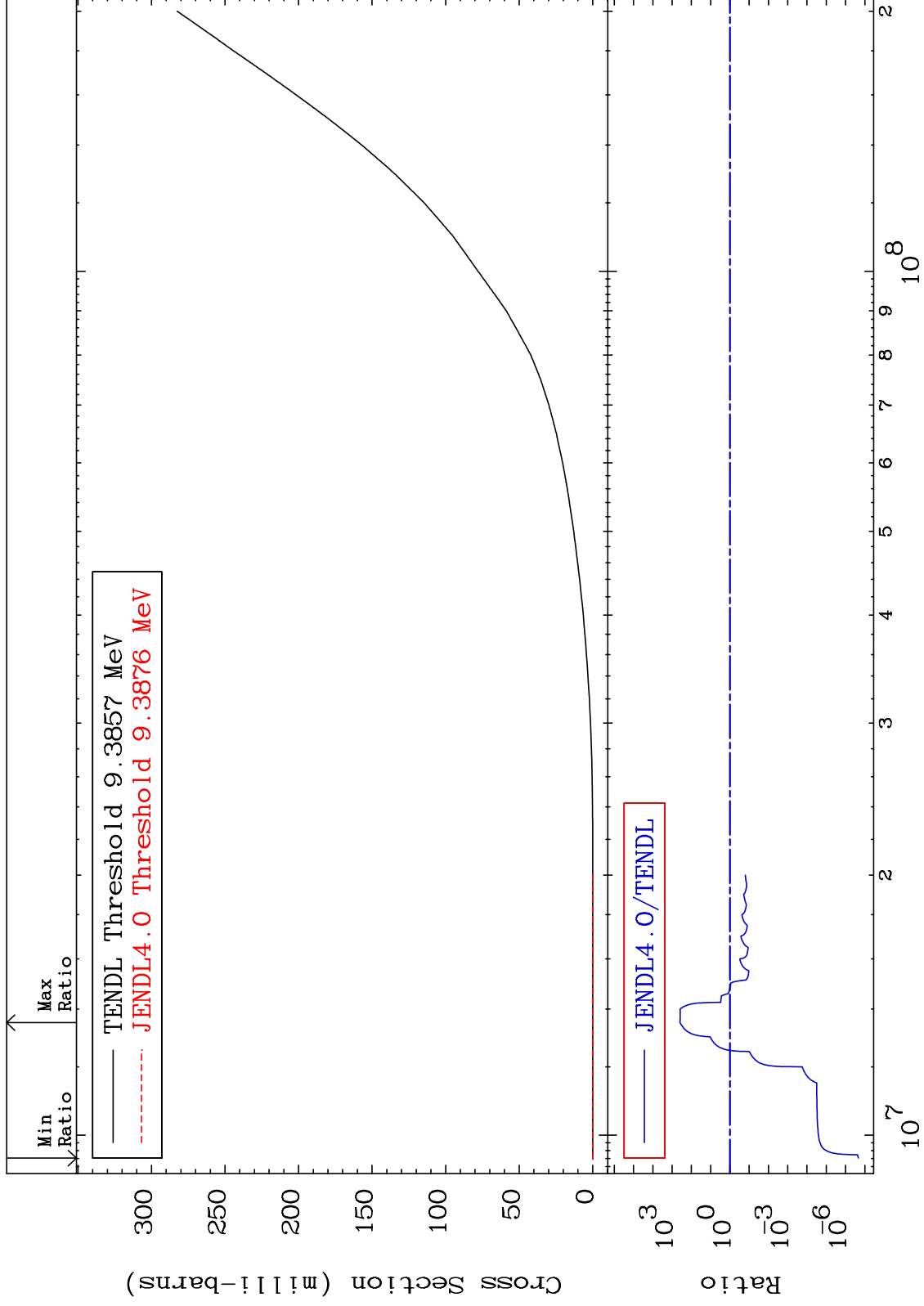
Incident Energy (eV)

46-Pd-107

MAT 4640

He-3 Production
Cross Section

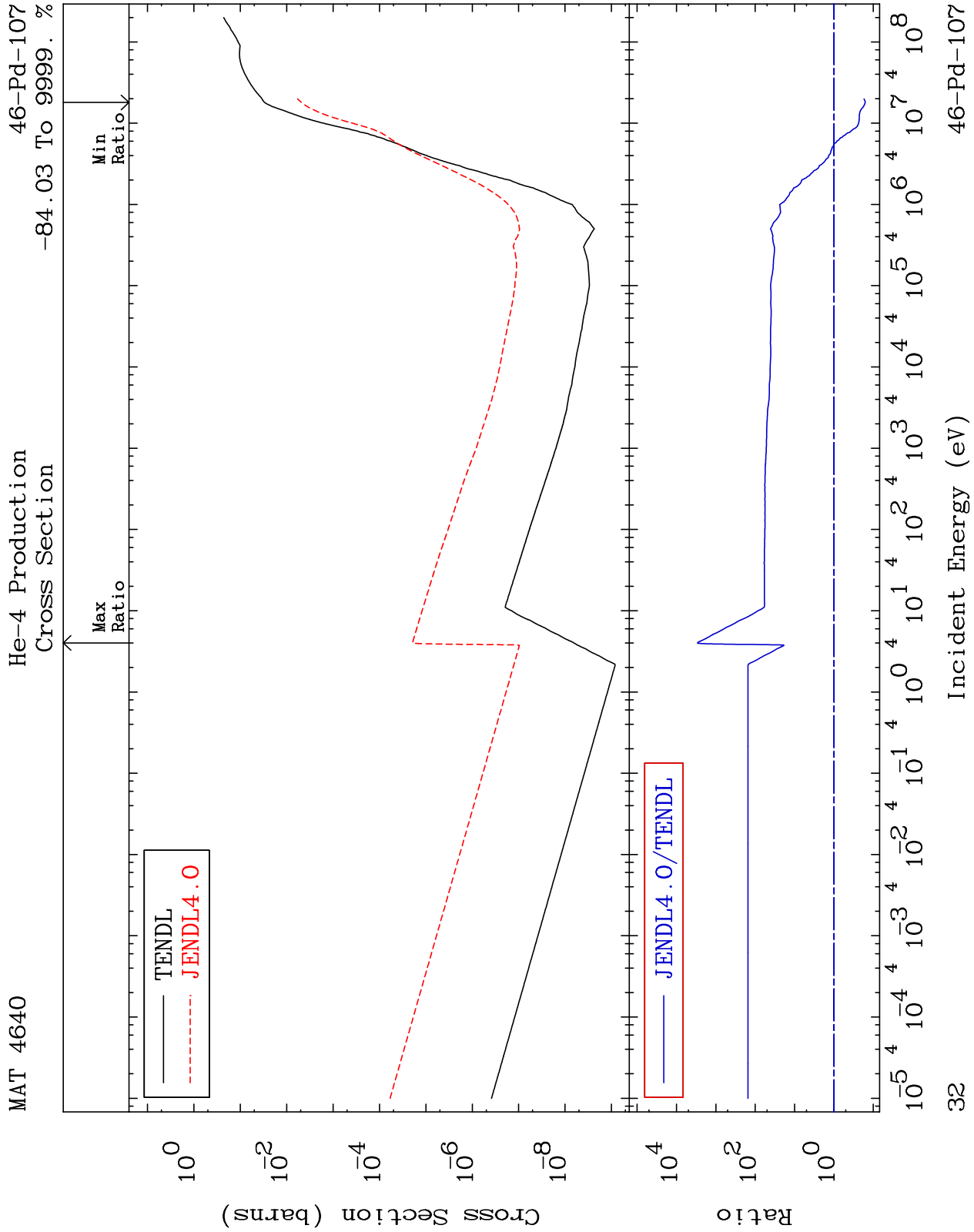
46-Pd-107
-100.0 To 9999. %



31

Incident Energy (eV)

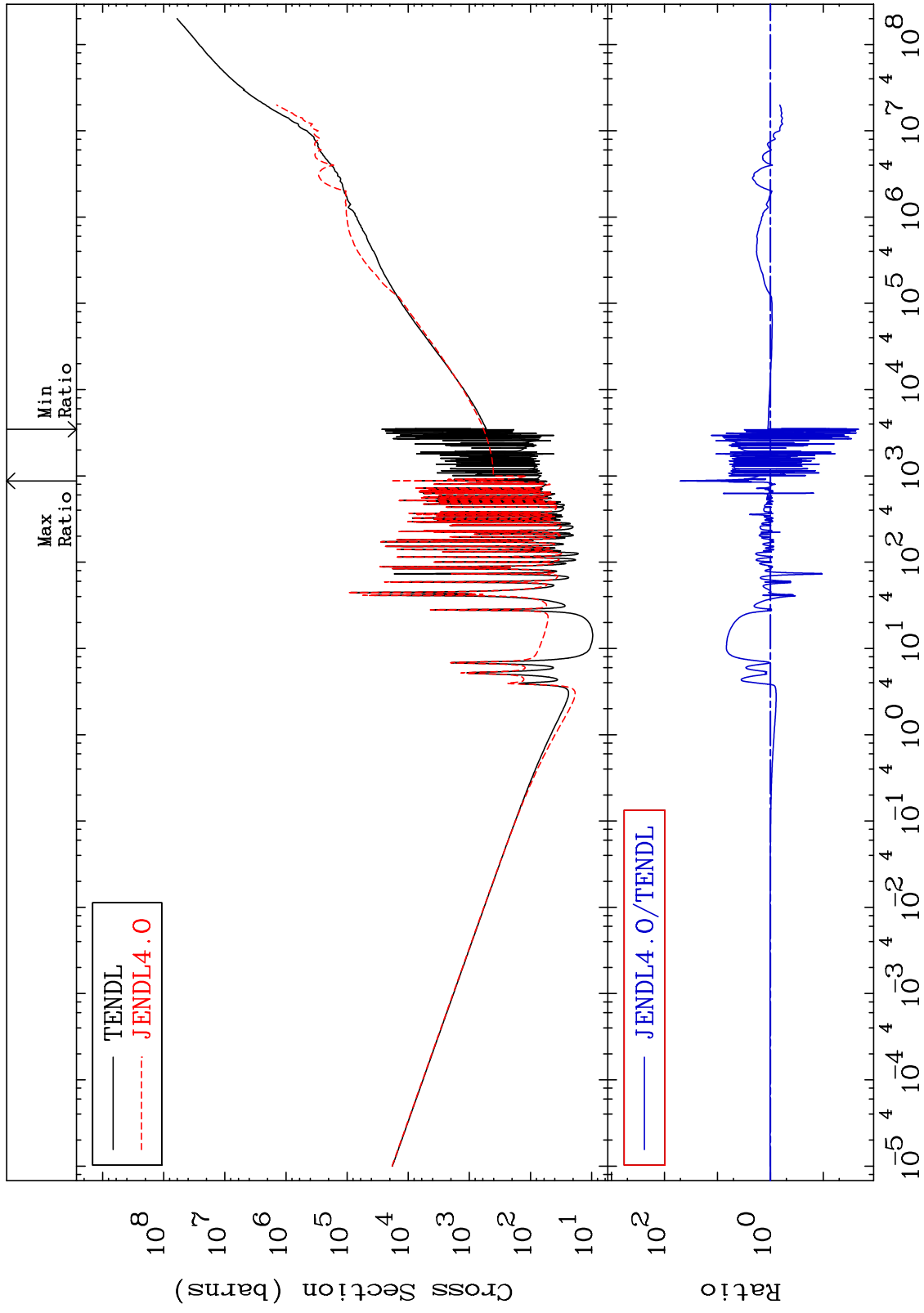
46-Pd-107



MAT 4640

Kerma total (eV-barns)
Cross Section

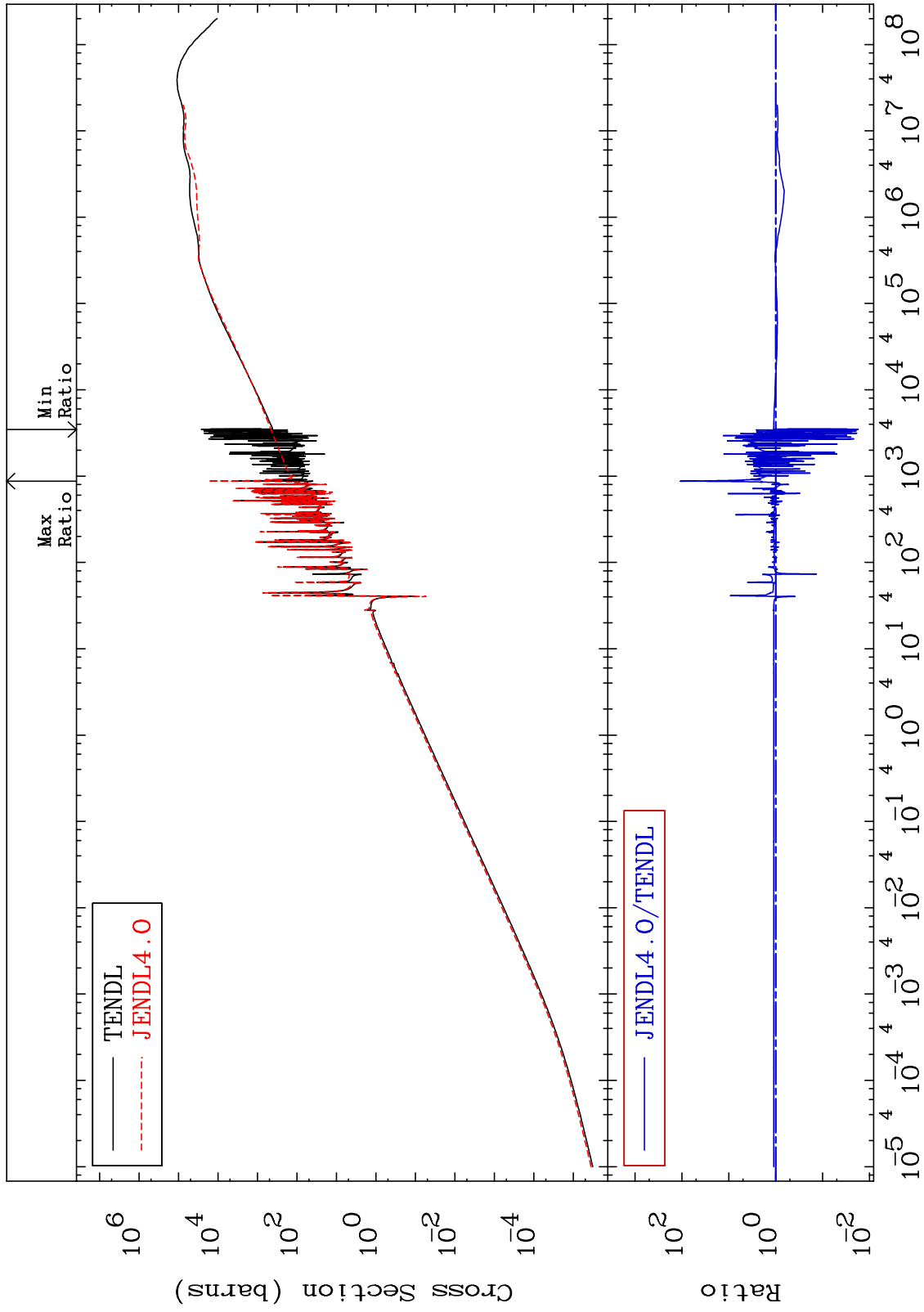
46-Pd-107
-97.83 To 4985. %



MAT 4640

Kerma elastic
Cross Section

46-Pd-107
-98.28 To 9999. %



34

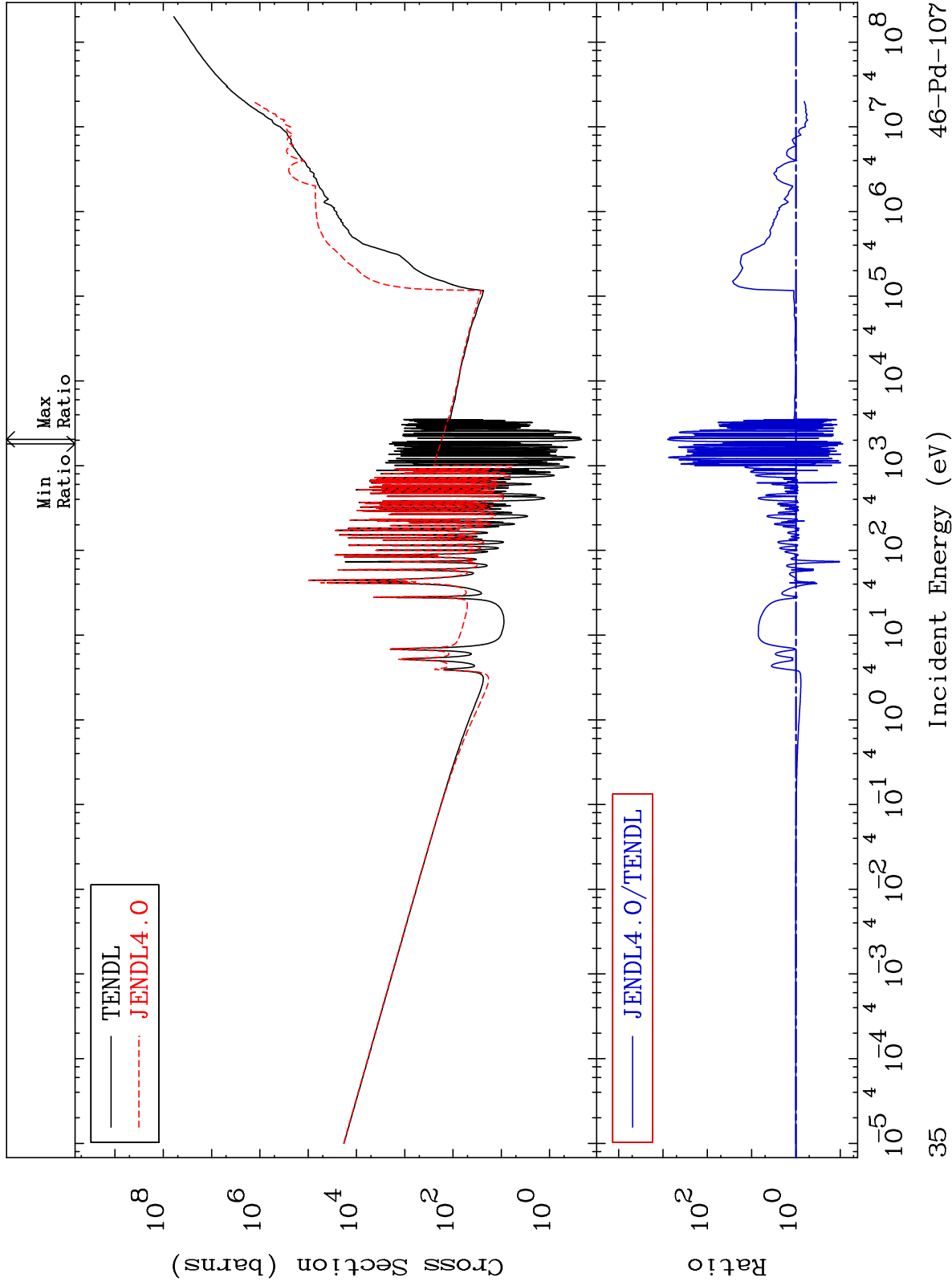
Incident Energy (eV)

46-Pd-107

MAT 4640

Kerma non-elastic (all but mt2)
Cross Section

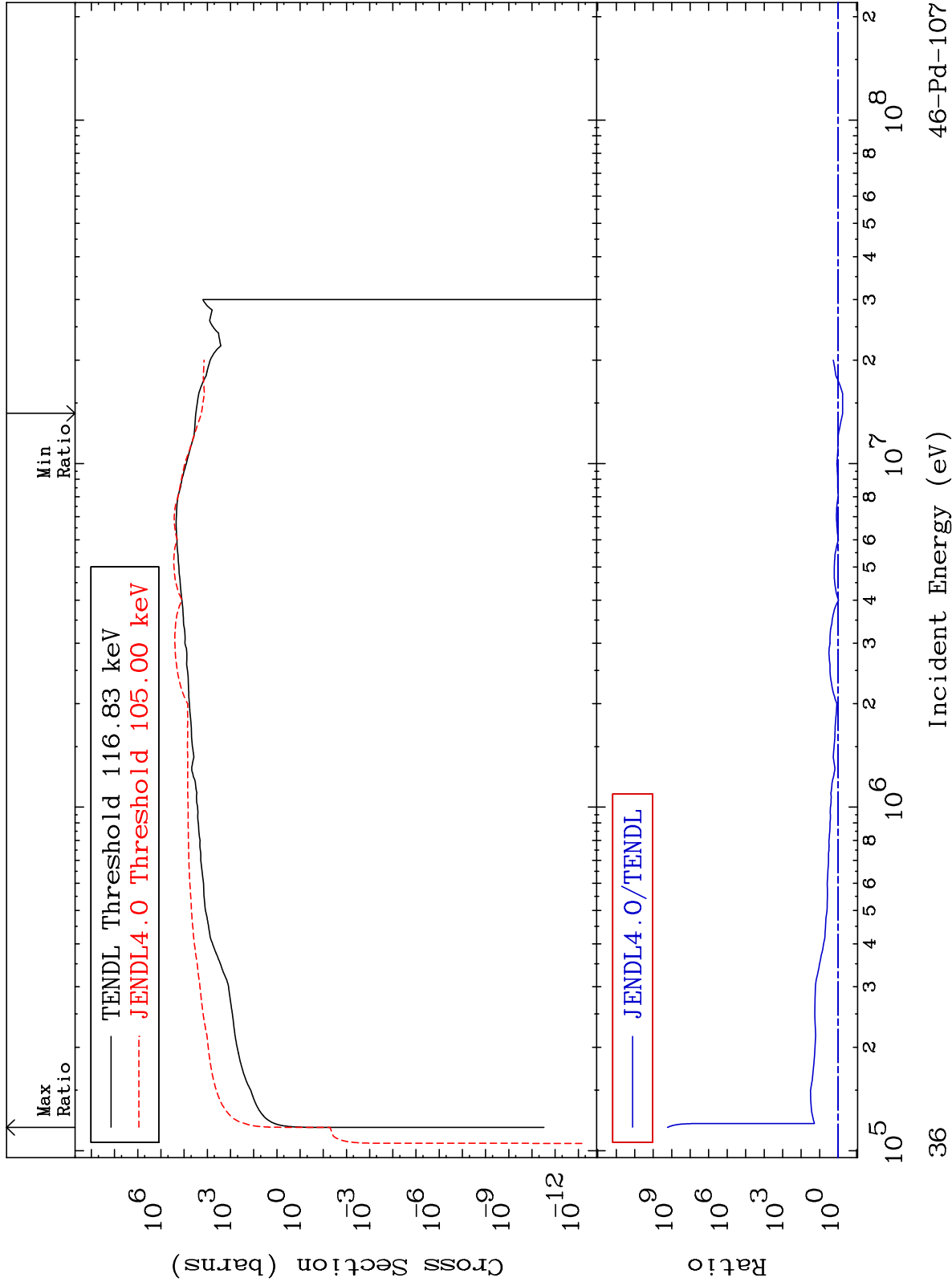
46-Pd-107
-91.16 To 9999. %



MAT 4640

Kerma inelastic (mt51-91)
Cross Section

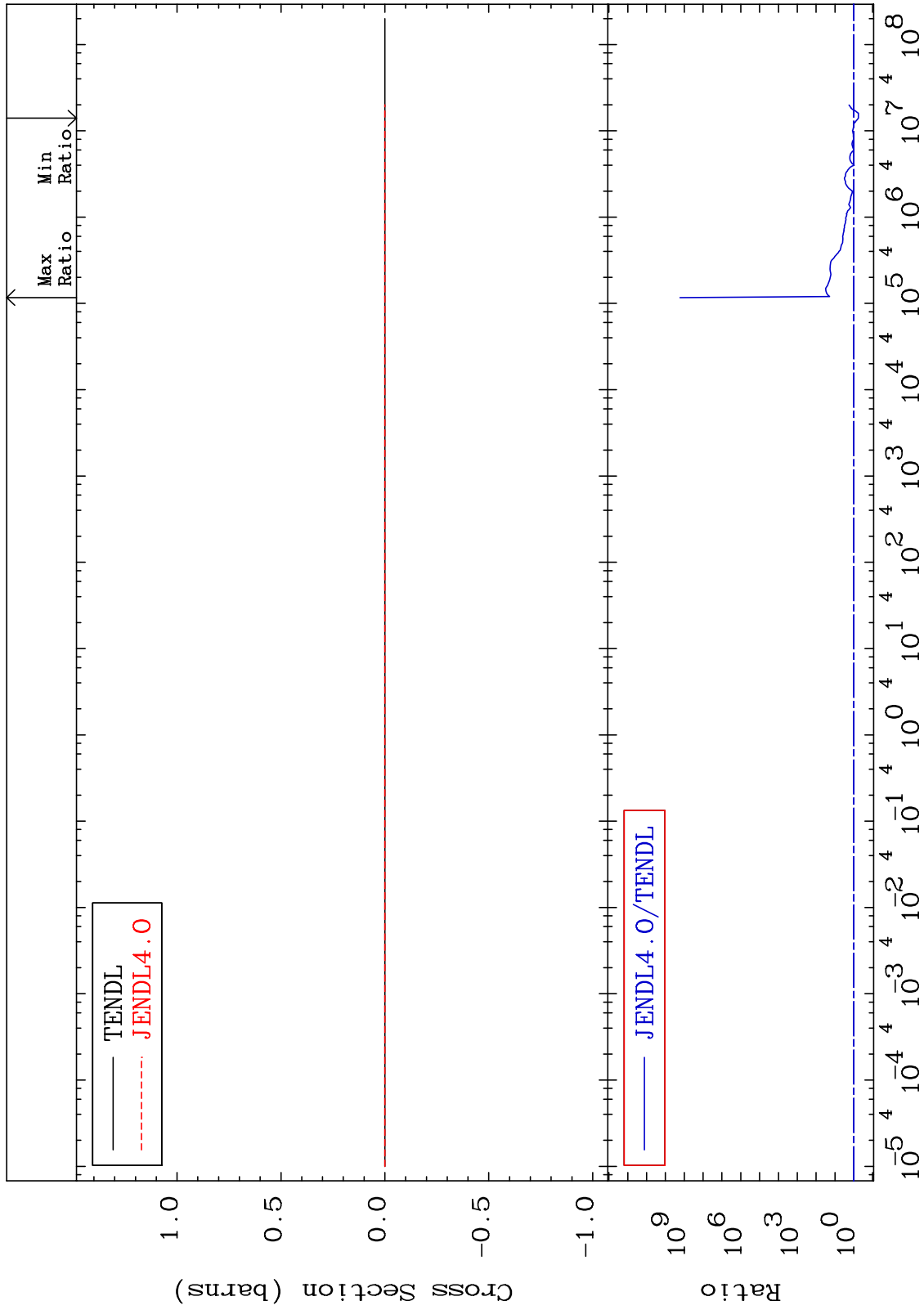
46-Pd-107
-43.23 To 9999. %



MAT 4640

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

46-Pd-107
-43.23 To 9999. %



37

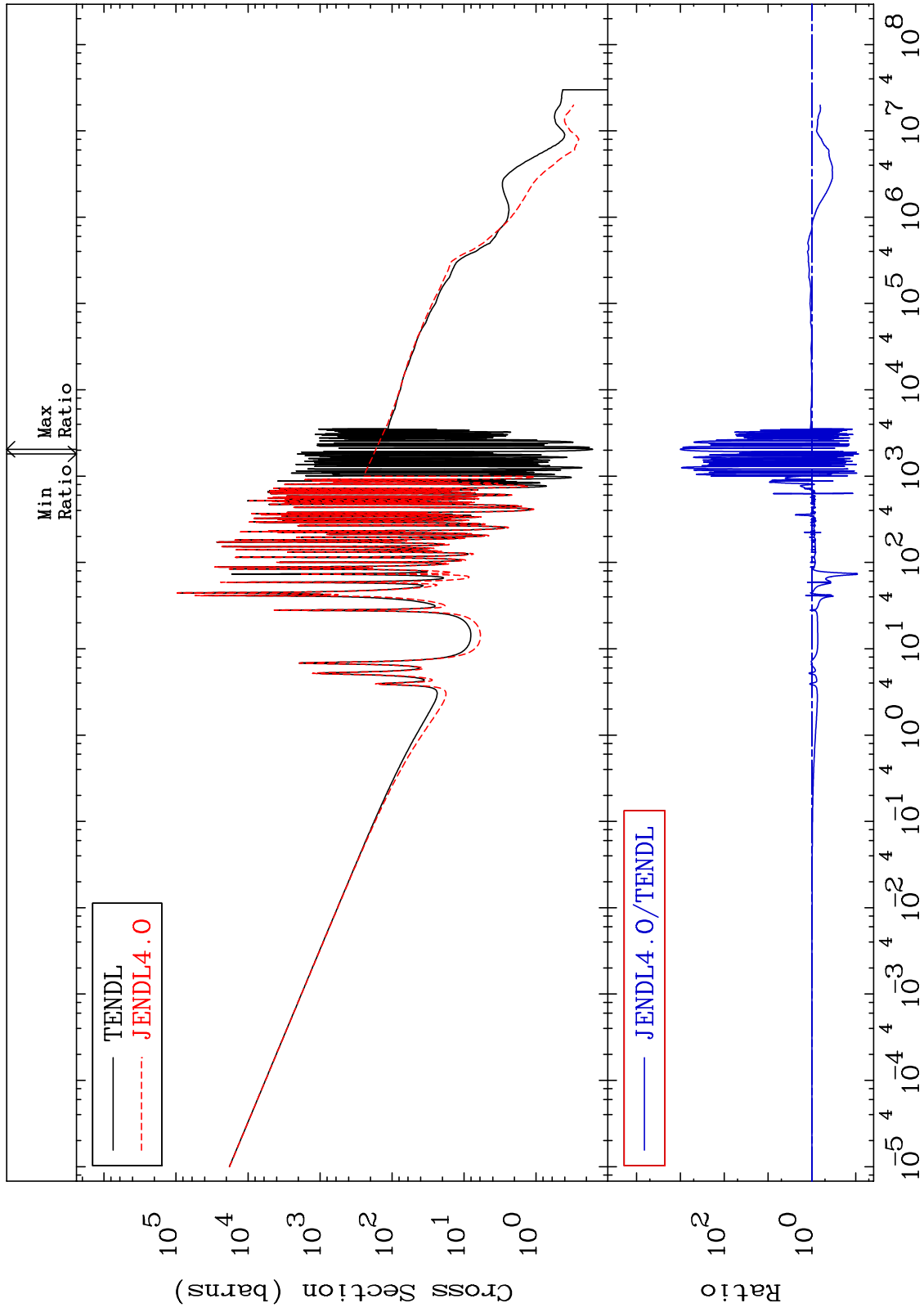
Incident Energy (eV)

46-Pd-107

MAT 4640

Kerma capture (mt102)
Cross Section

46-Pd-107
-91.31 To 9999. %



38

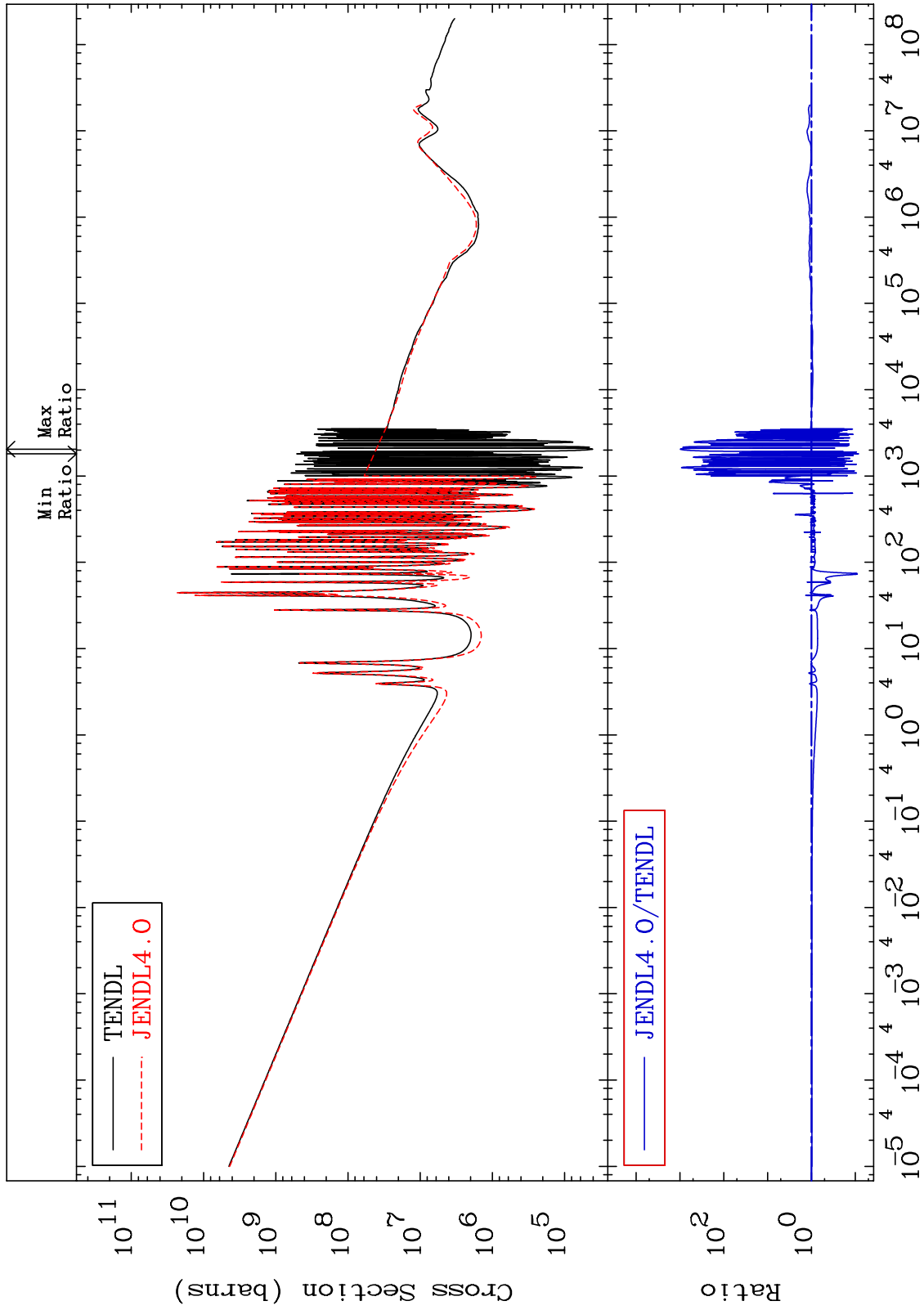
Incident Energy (eV)

46-Pd-107

MAT 4640

Total photon (eV-barns)
Cross Section

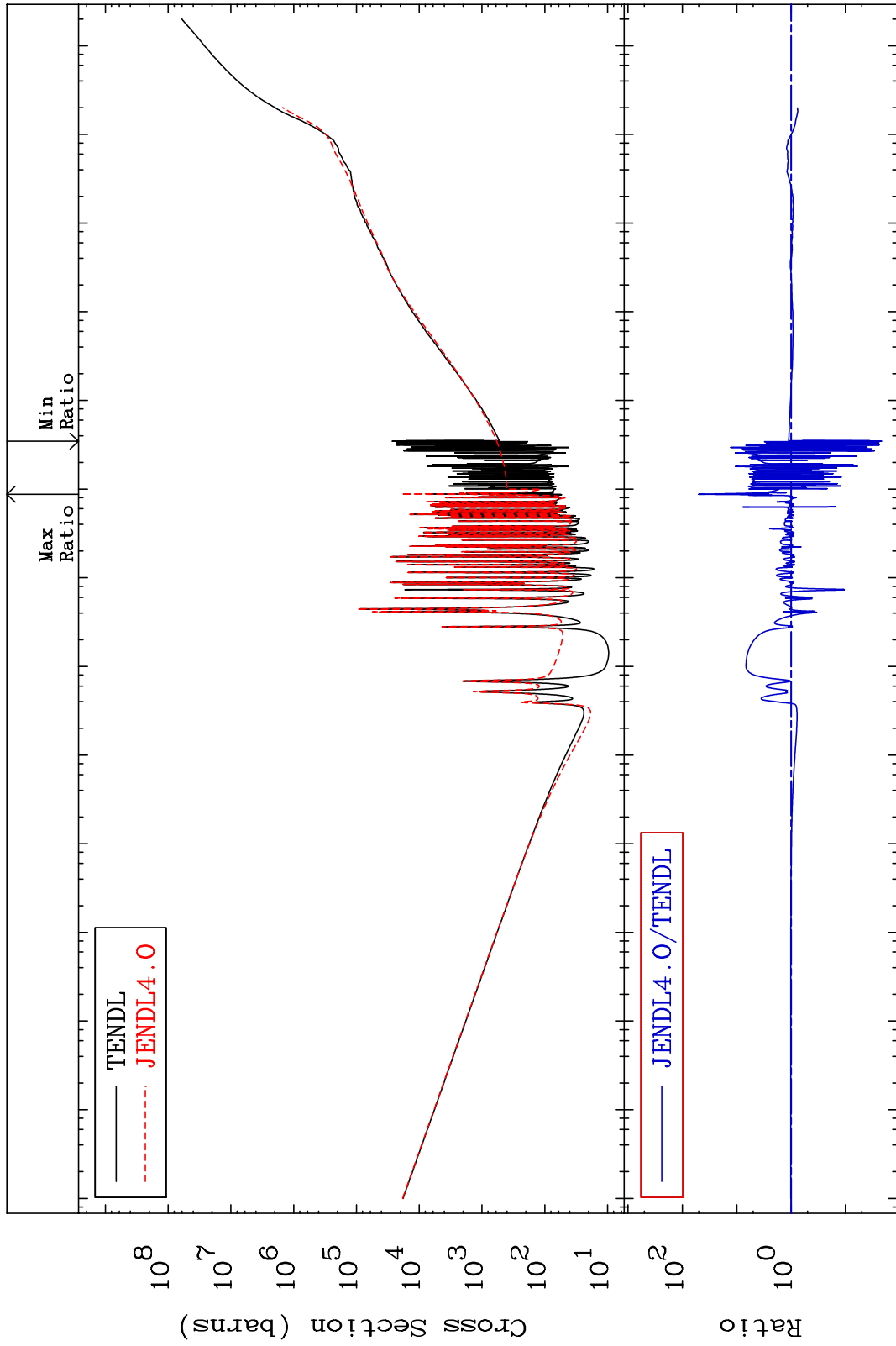
46-Pd-107
-91.55 To 9999. %



MAT 4640

Total kinematic kerma (high limit)
Cross Section

46-Pd-107
-97.83 To 4985. %

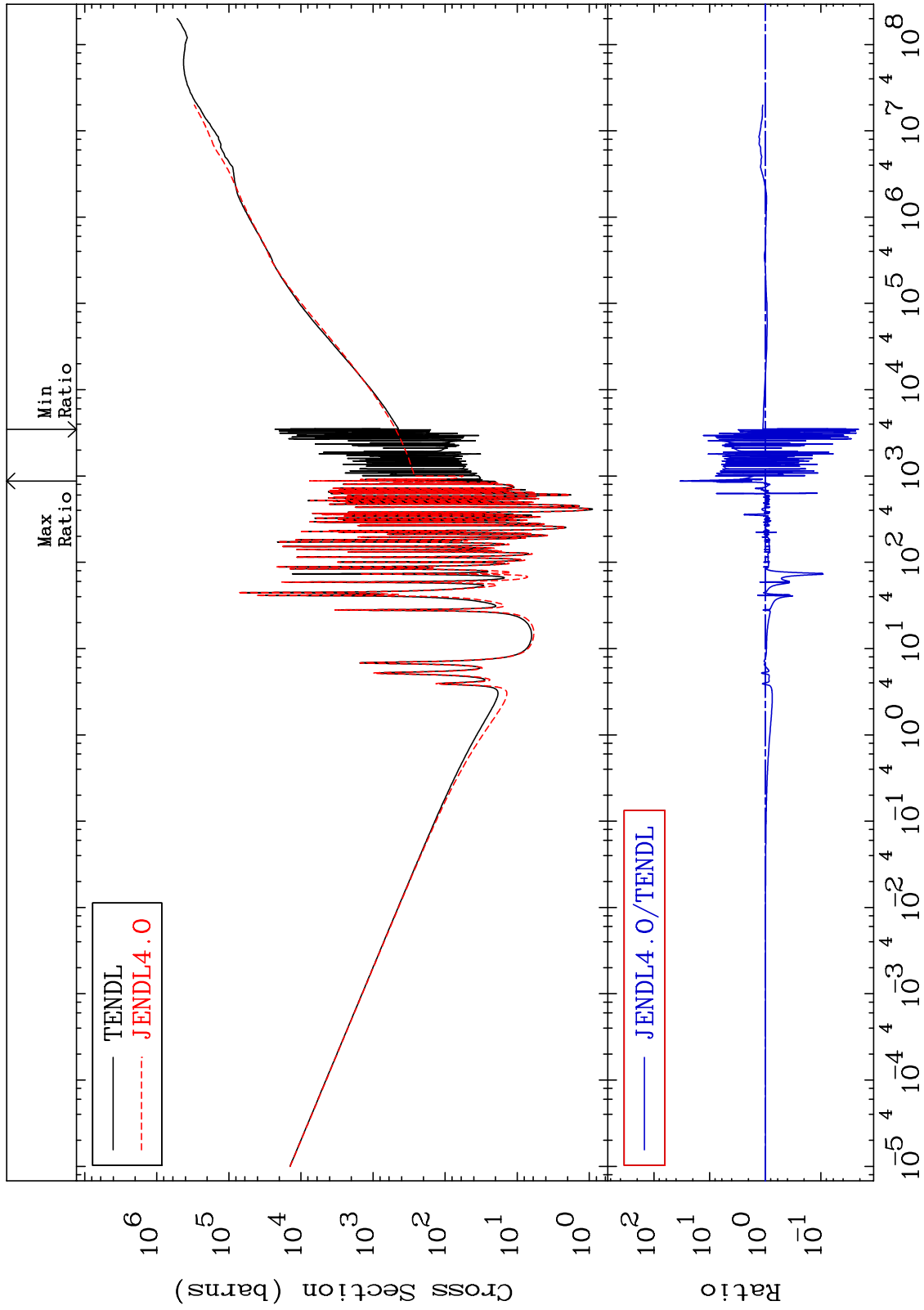


Incident Energy (eV) 46-Pd-107

MAT 4640

Dpa total (eV-barns)
Cross Section

46-Pd-107
-97.88 To 3297. %



41

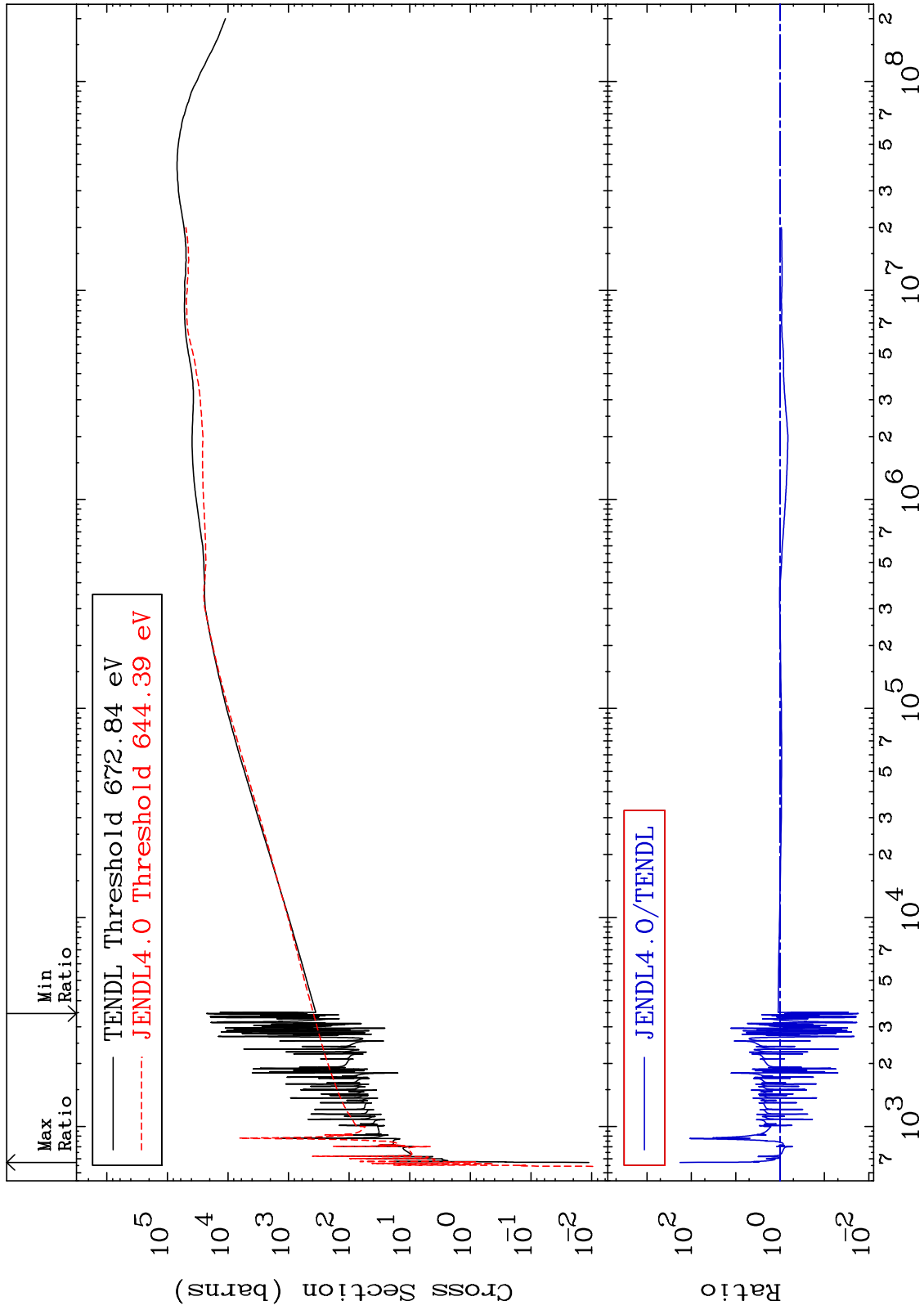
Incident Energy (eV)

46-Pd-107

MAT 4640

Dpa elastic (mt2)
Cross Section

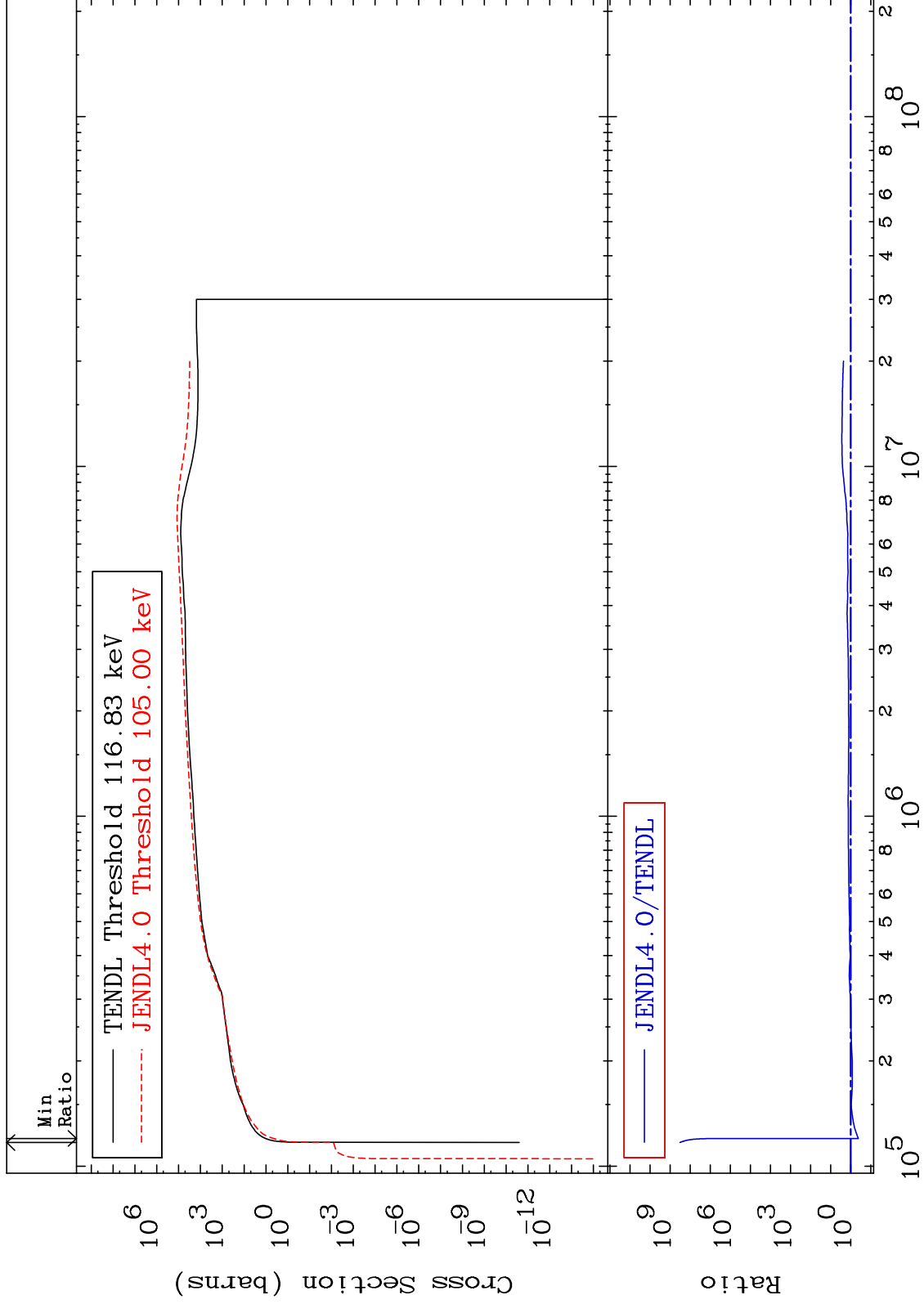
46-Pd-107
-98.29 To 9999. %



MAT 4640

Dpa inelastic (mt51-91)
Cross Section

46-Pd-107
-58.60 To 9999. %



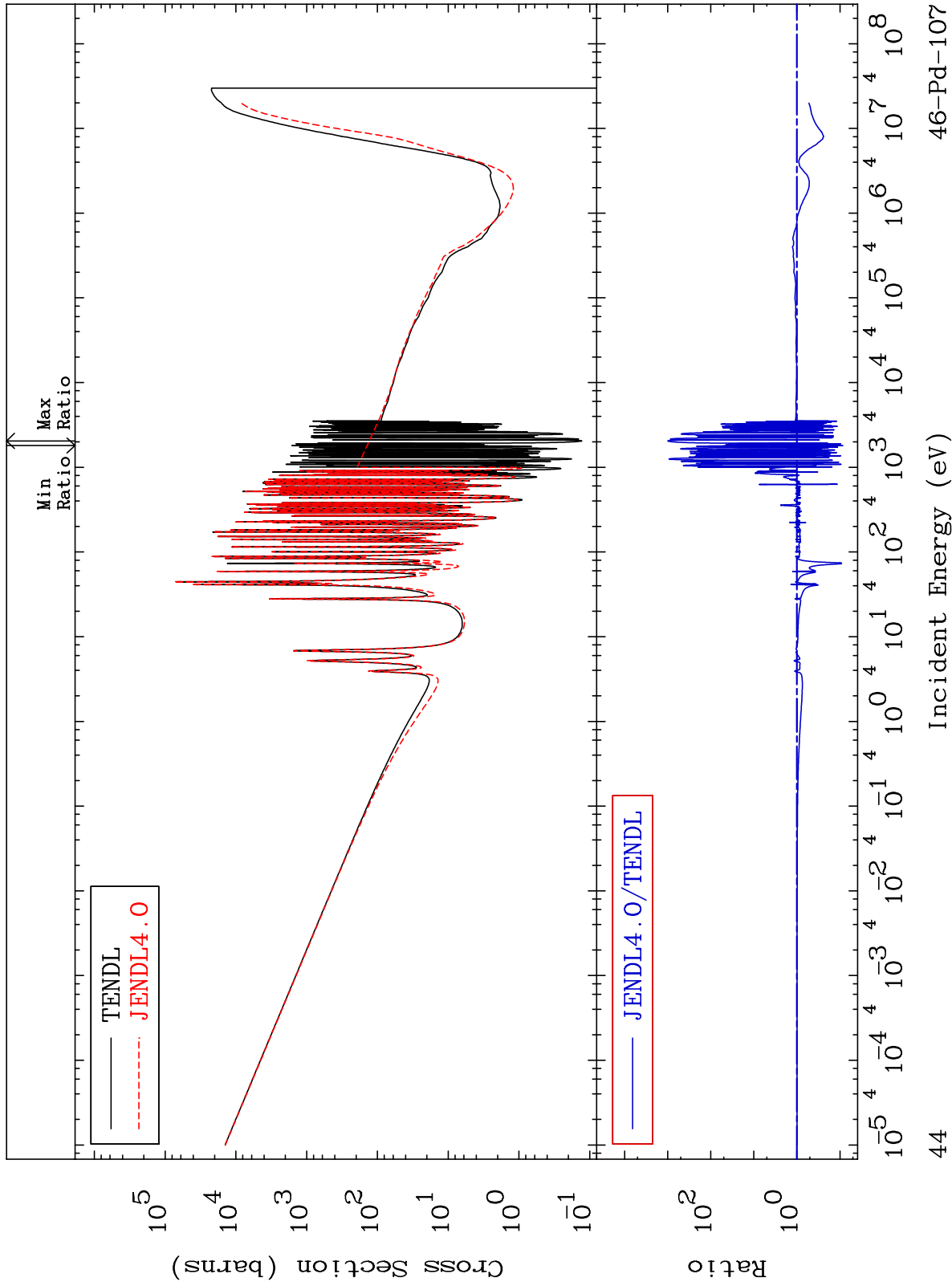
43

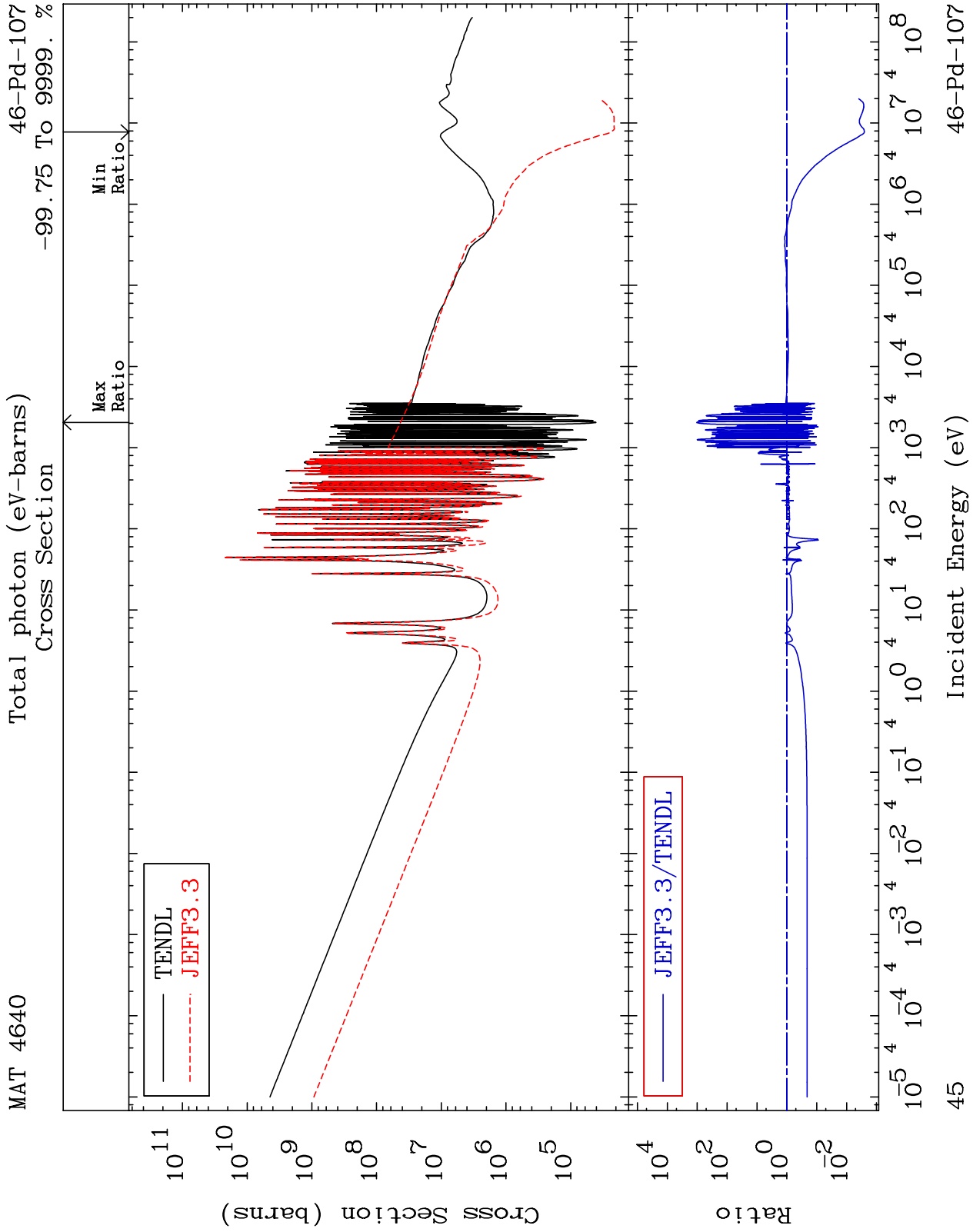
46-Pd-107

MAT 4640

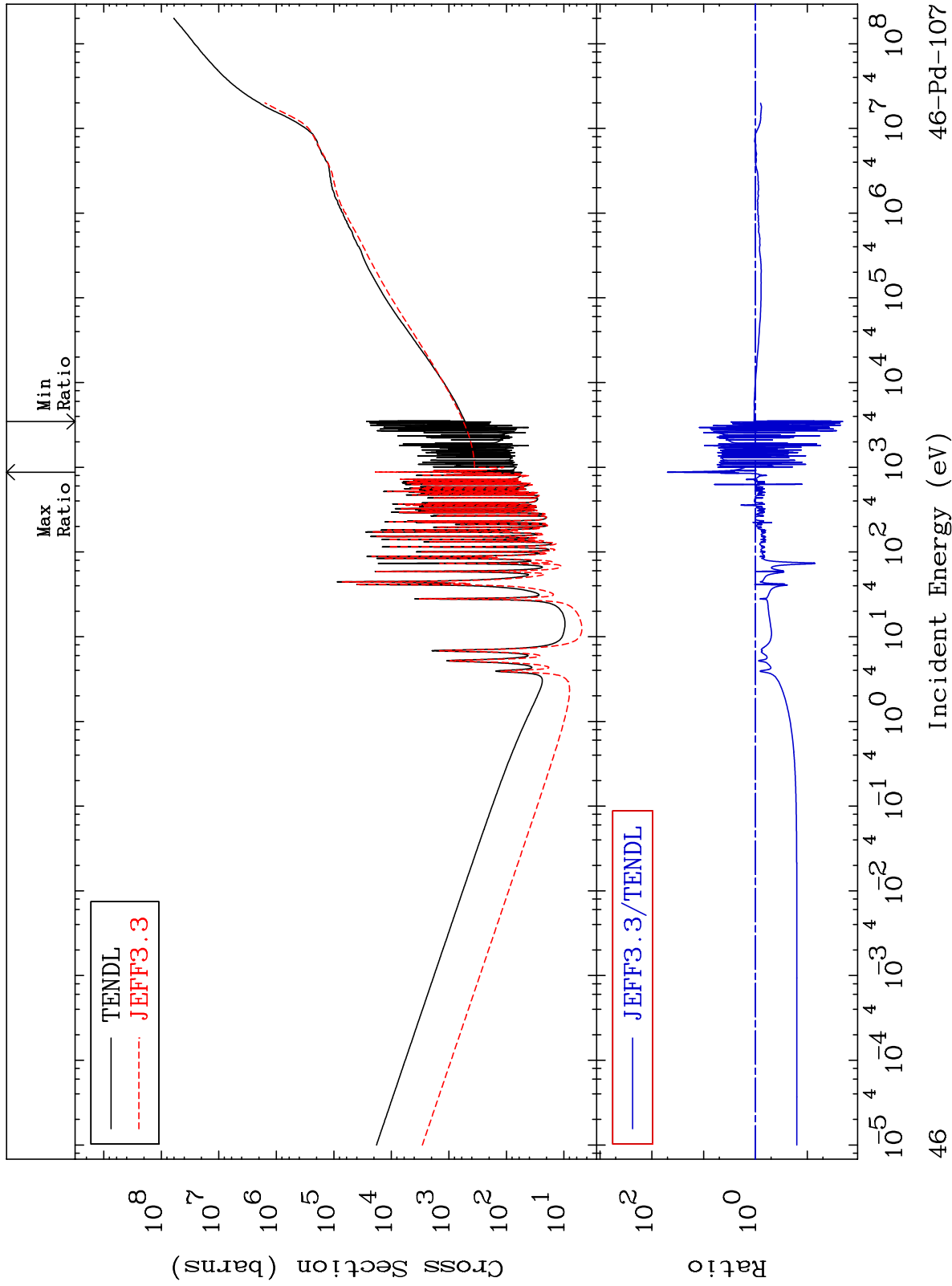
Dpa disappearance (mt102 -120)
Cross Section

46-Pd-107
-91.34 To 9999. %





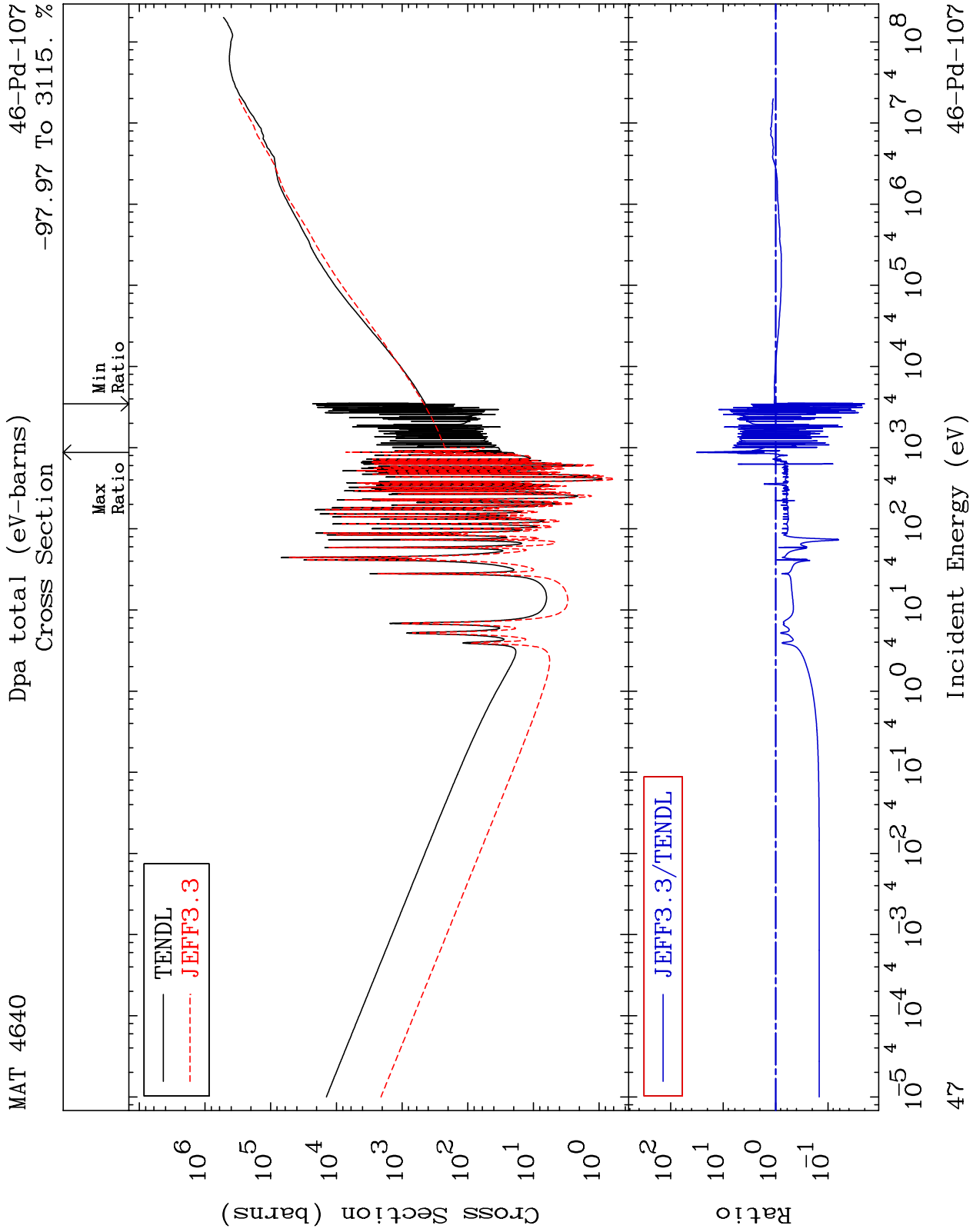
MAT 4640 Total kinematic kerma (high limit) 46-Pd-107
Cross Section -97.91 To 4884. %



46-Pd-107

Incident Energy (eV)

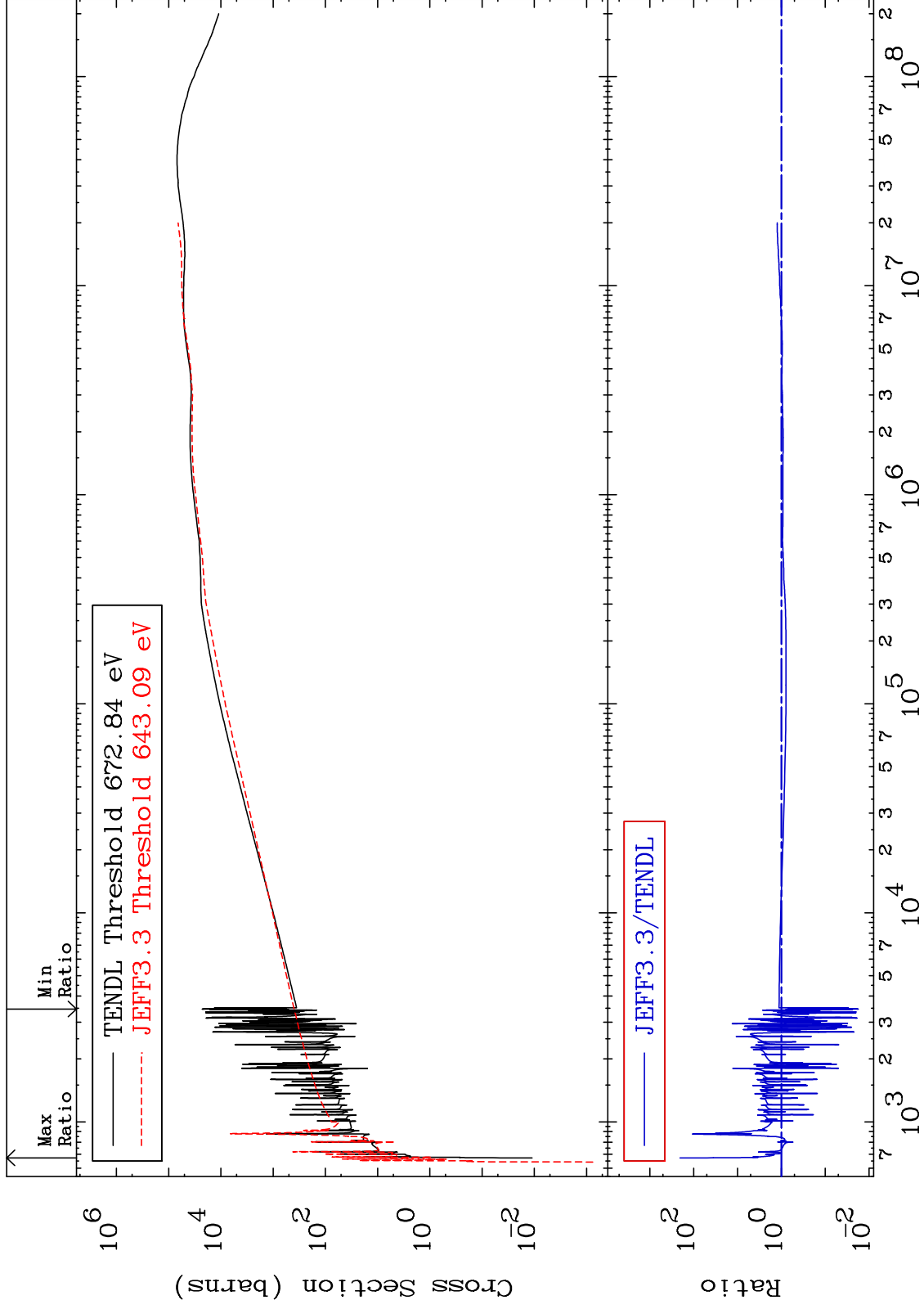
46



MAT 4640

Dpa elastic (mt2)
Cross Section

46-Pd-107
-98.26 To 9999. %



48

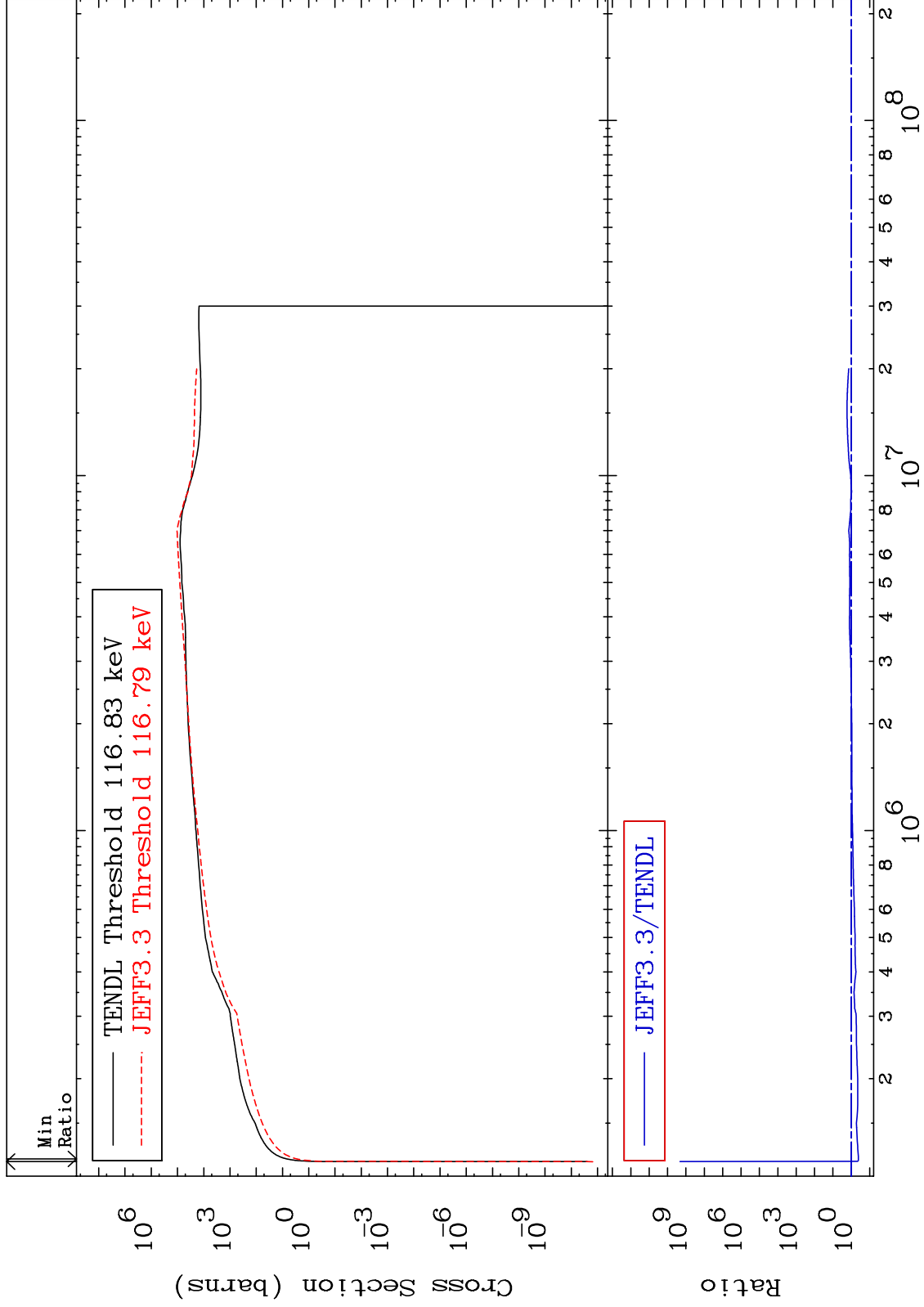
46-Pd-107

46-Pd-107

MAT 4640

Dpa inelastic (mt51-91)
Cross Section

46-Pd-107
-58.82 To 9999. %



MAT 4640

Dpa disappearance (mt102 -120)
Cross Section

46-Pd-107
-93.69 To 9999. %

