

Program Complot
(Version 2018-1)

by

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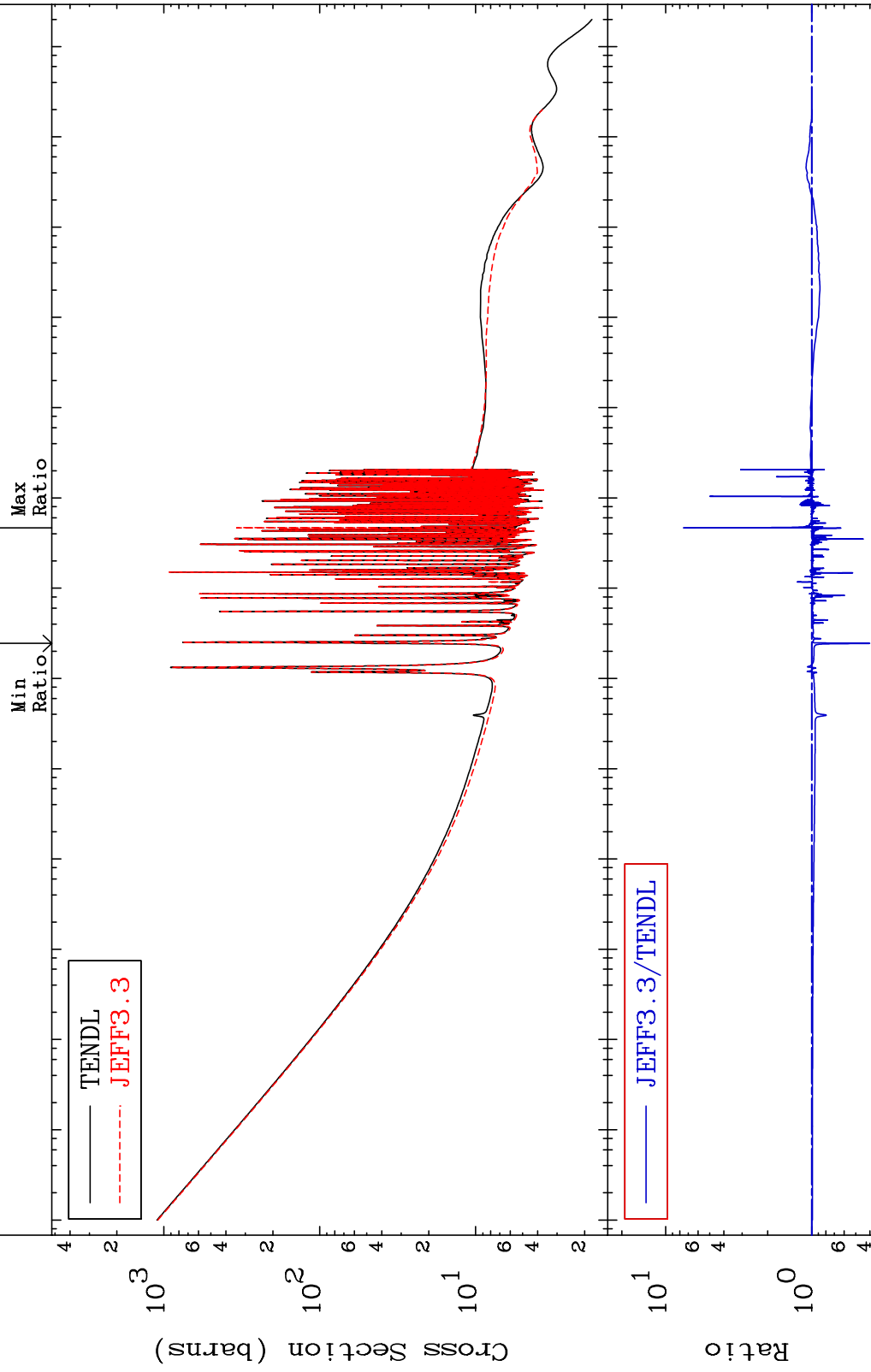
Press Mouse Button to Start

MAT 4634

46-Pd-105

-60.10 To 657.9 %

Total
Cross Section



Min Ratio

Max Ratio

TENDL
JEFF3.3

JEFF3.3/TENDL

1

Incident Energy (eV)

46-Pd-105

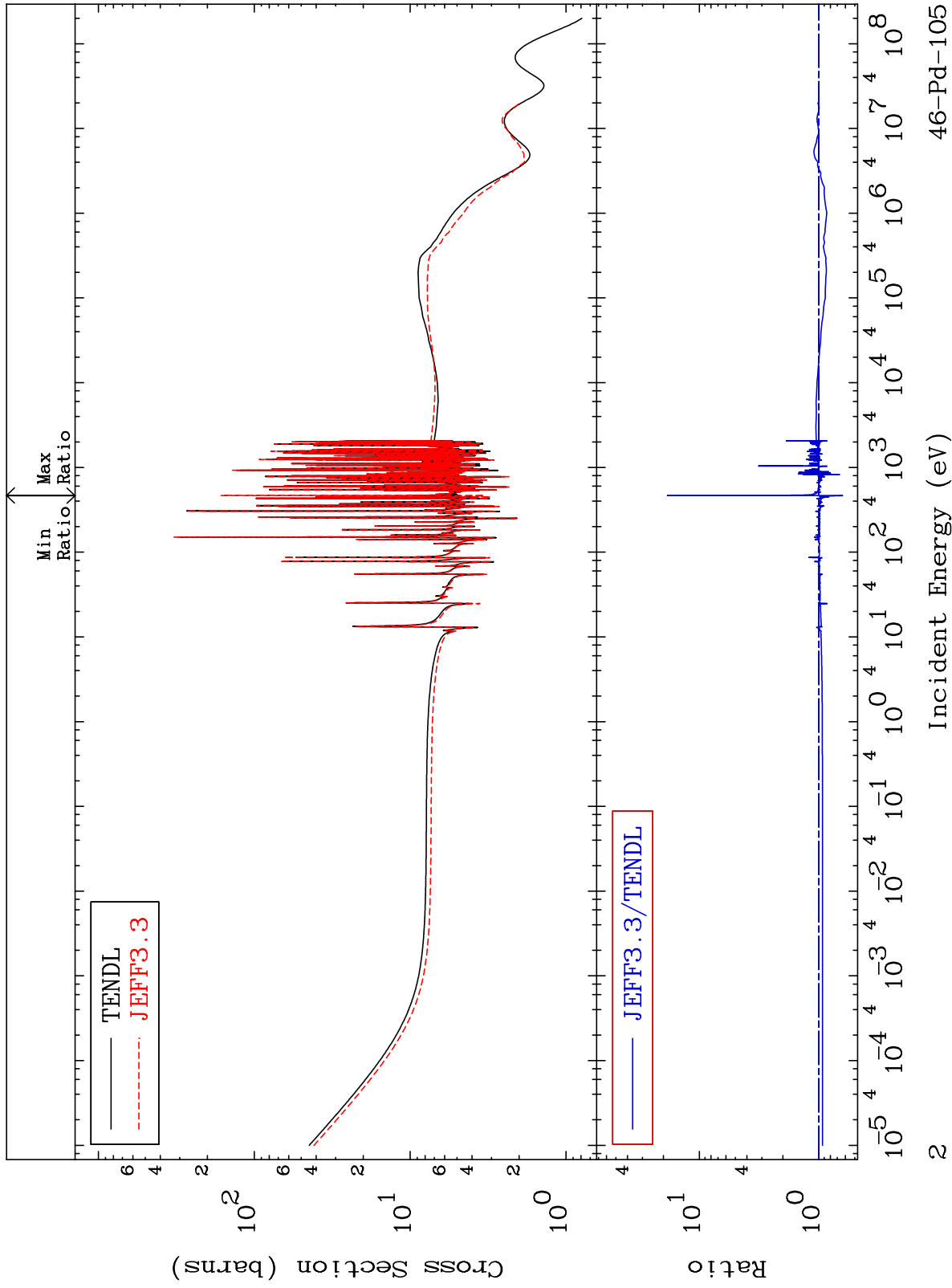
MAT 4634

Elastic

46-Pd-105

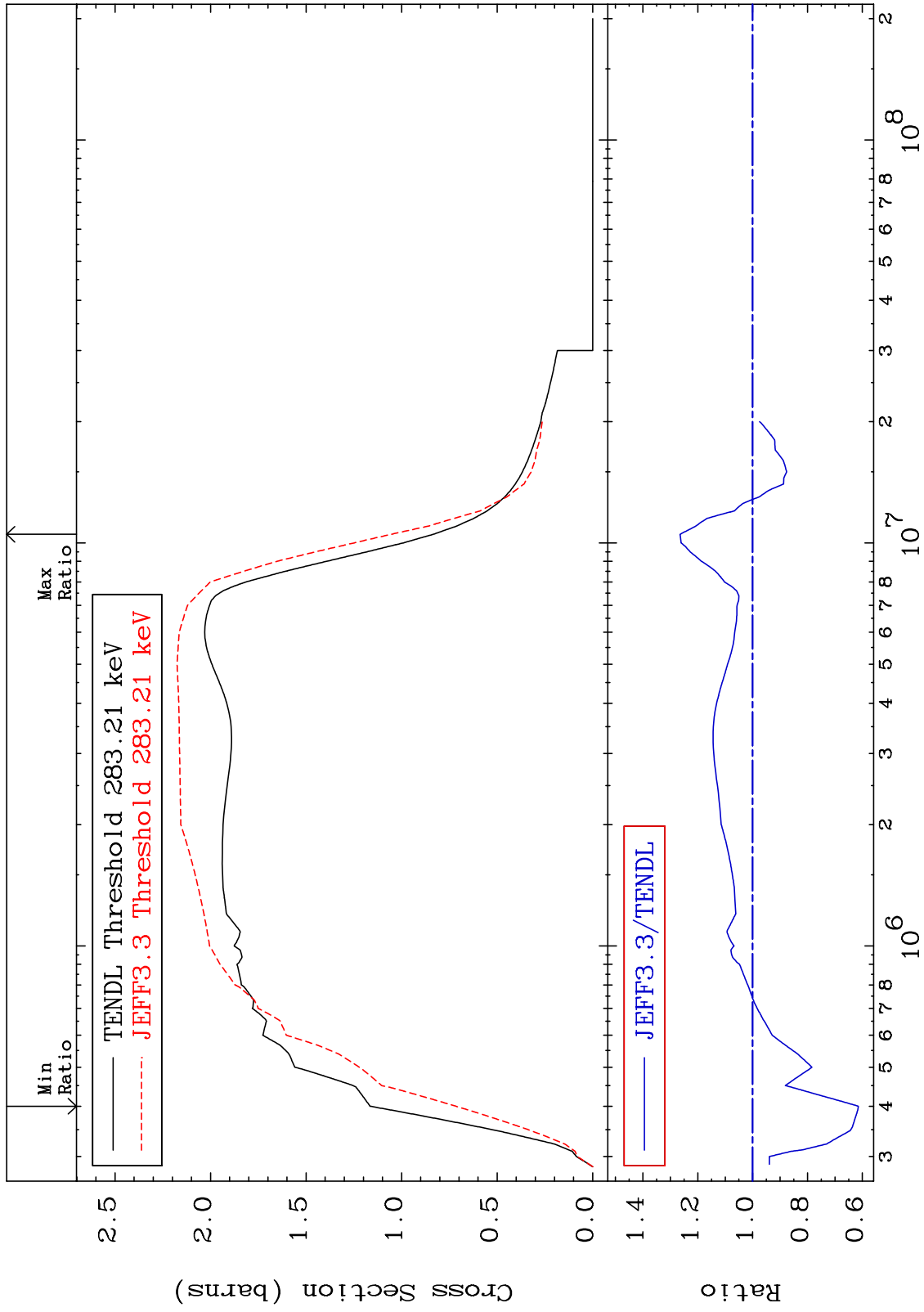
Cross Section

-36.86 To 1749. %



MAT 4634 46-Pd-105 -38.55 To 26.48 %

Inelastic Cross Section



3 46-Pd-105

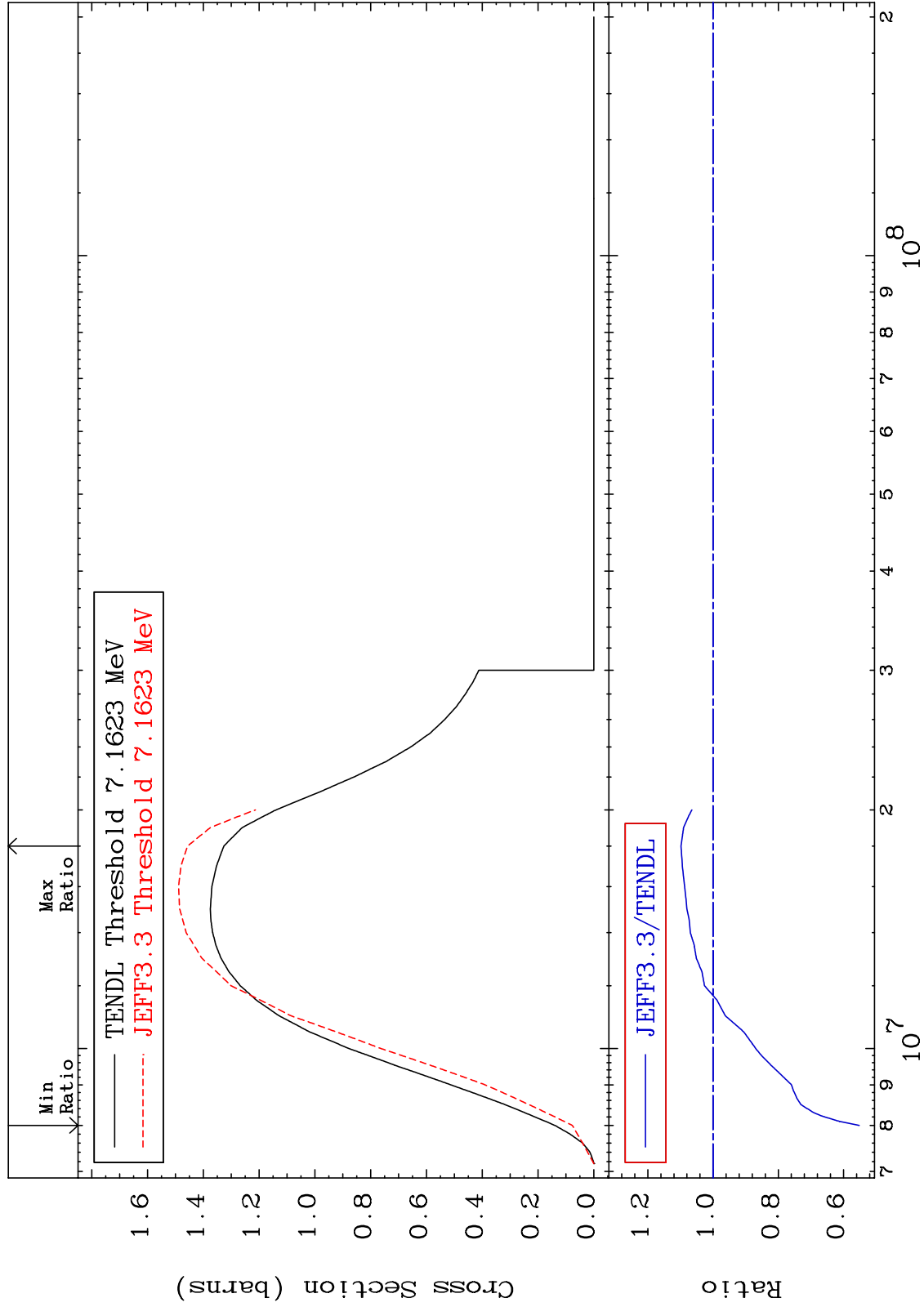
MAT 4634

(n,2n)

46-Pd-105

Cross Section

-44.83 To 9.811 %

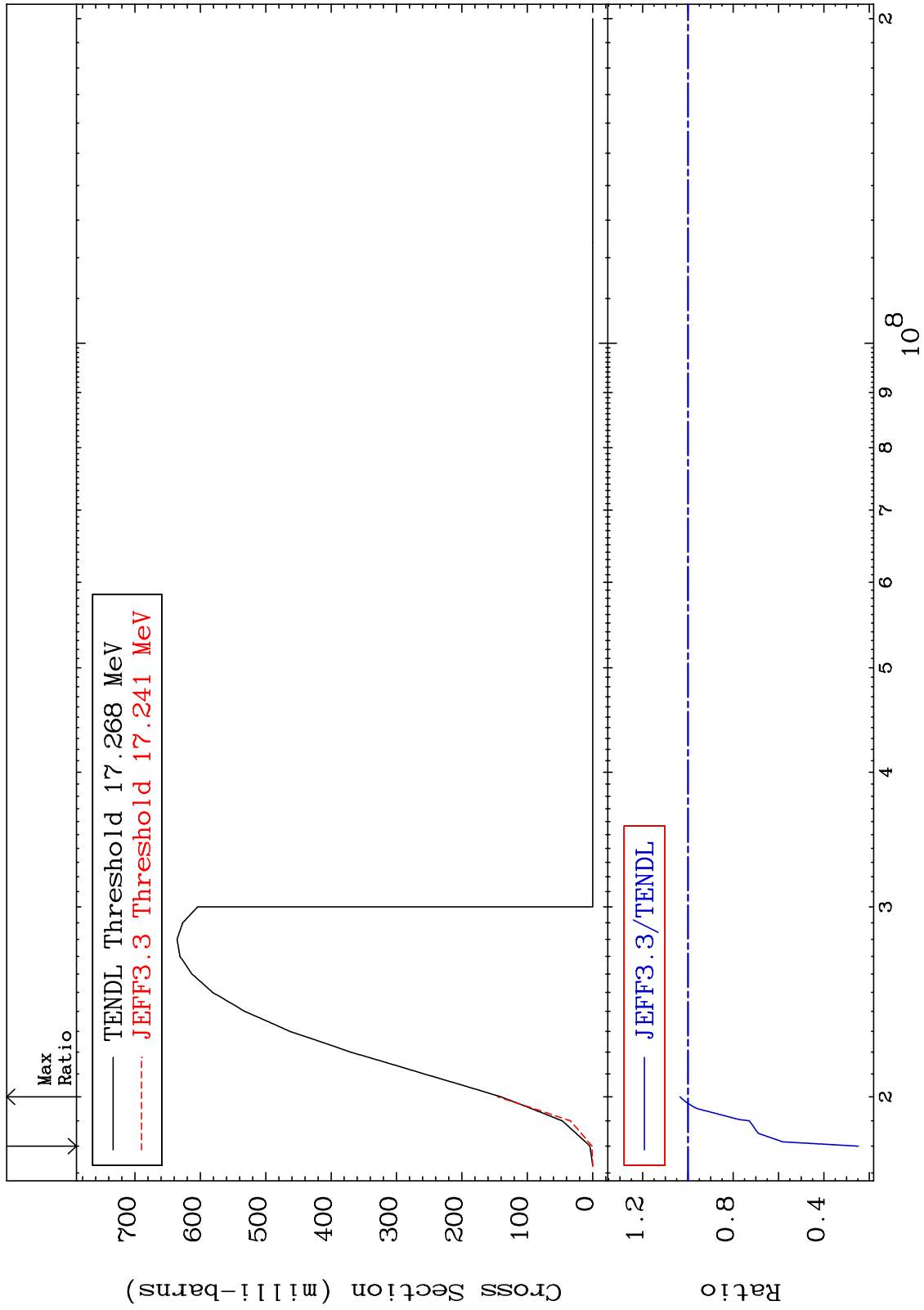


46-Pd-105

Incident Energy (eV)

4

MAT 4634 (n, 3n) Cross Section 46-Pd-105 -75.24 To 3.506 %



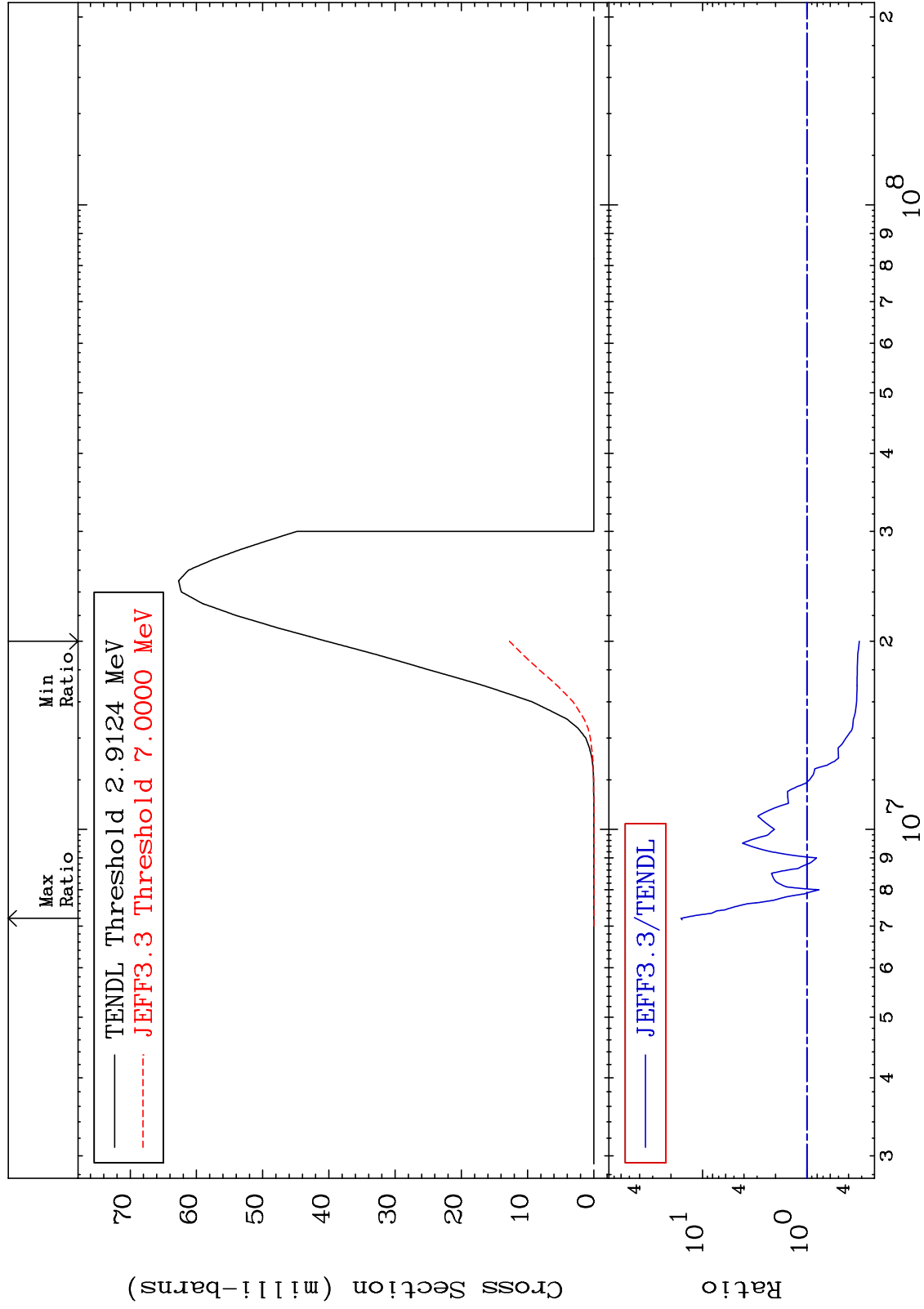
MAT 4634

(n, n') α

46-Pd-105

Cross Section

-68.42 To 1503. %



6

Incident Energy (eV)

46-Pd-105

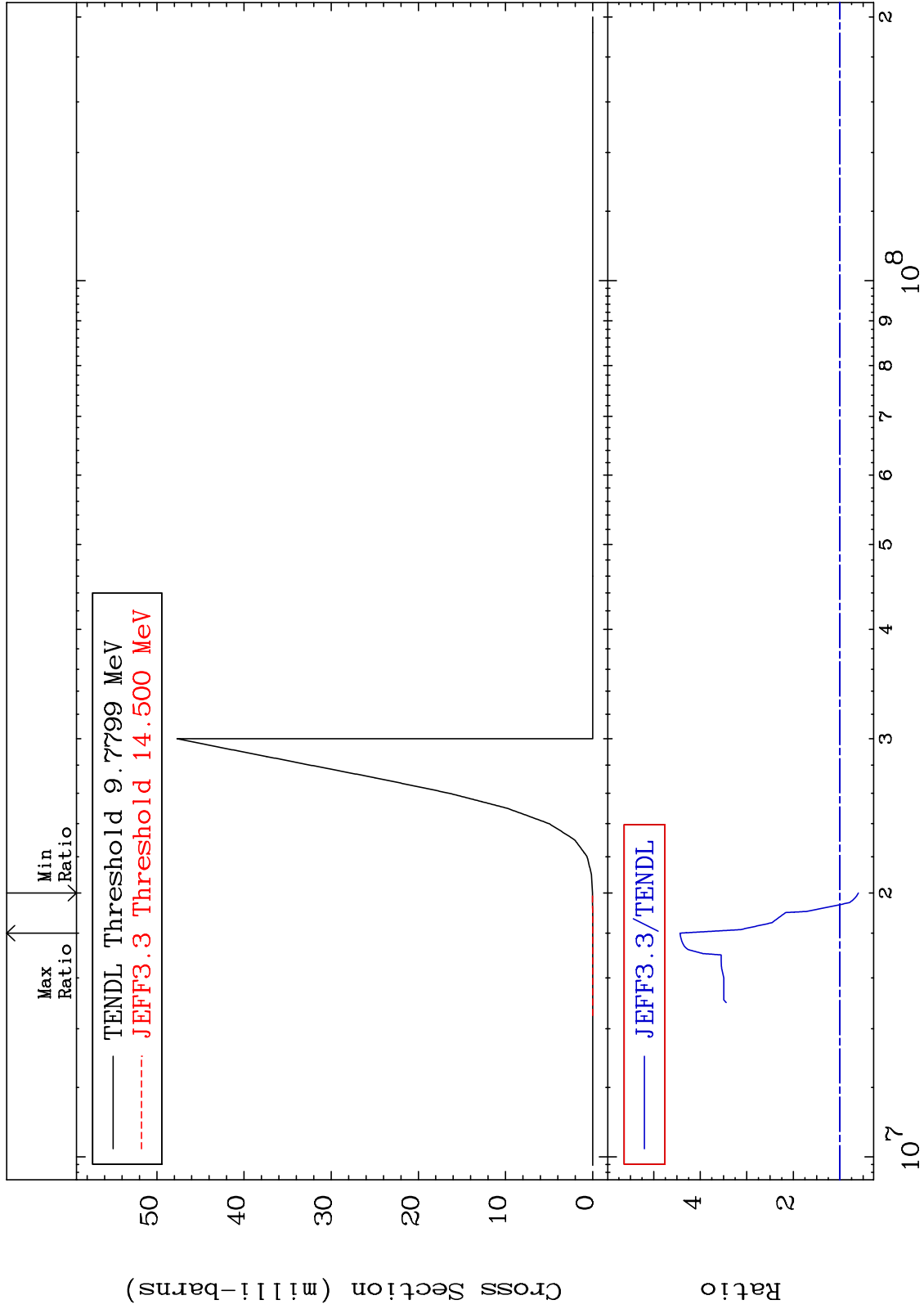
MAT 4634

(n,2n) α

46-Pd-105

Cross Section

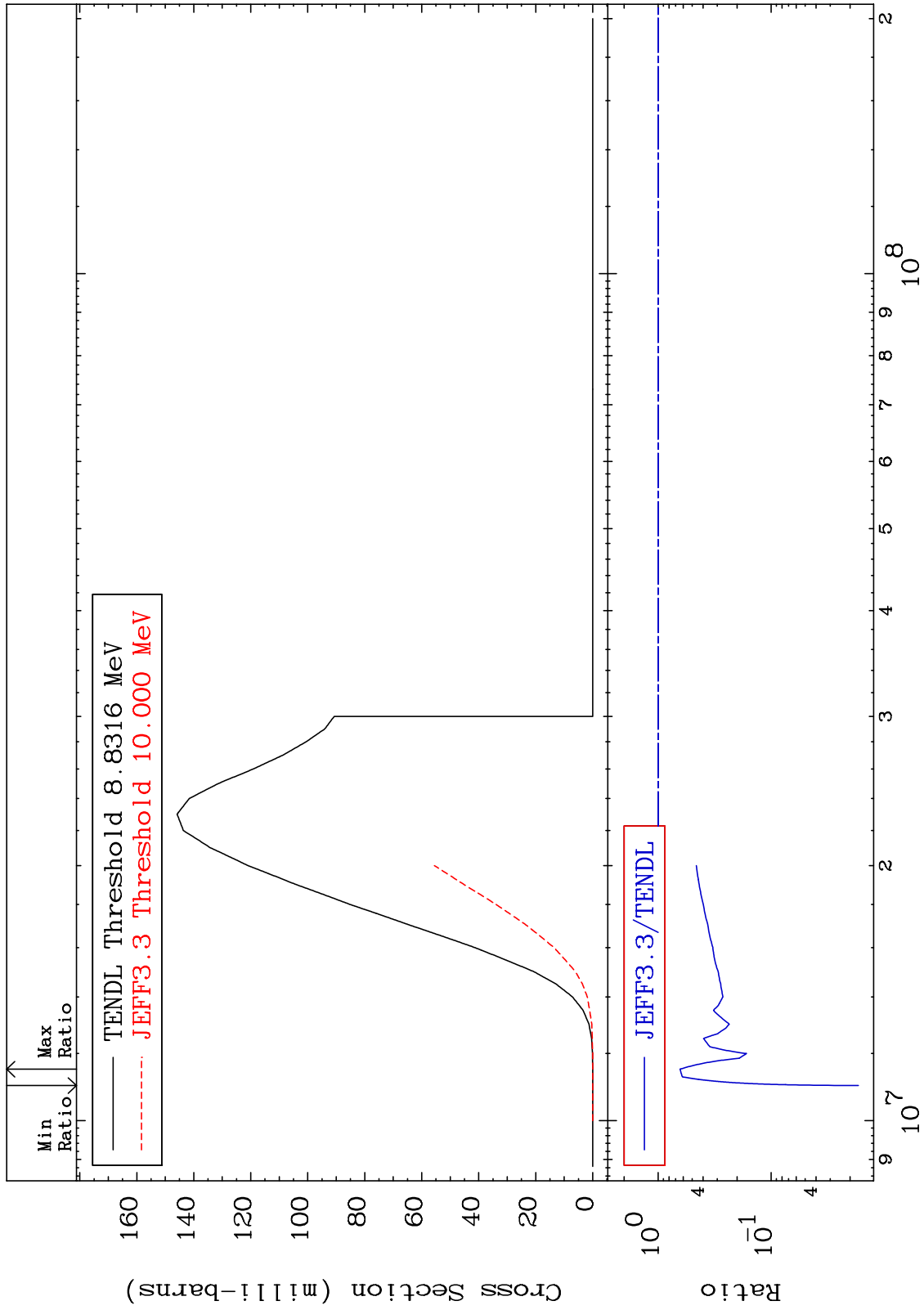
-39.82 To 343.5 %



MAT 4634

(n,n') p
Cross Section

46-Pd-105
-98.31 To -35.97%



8

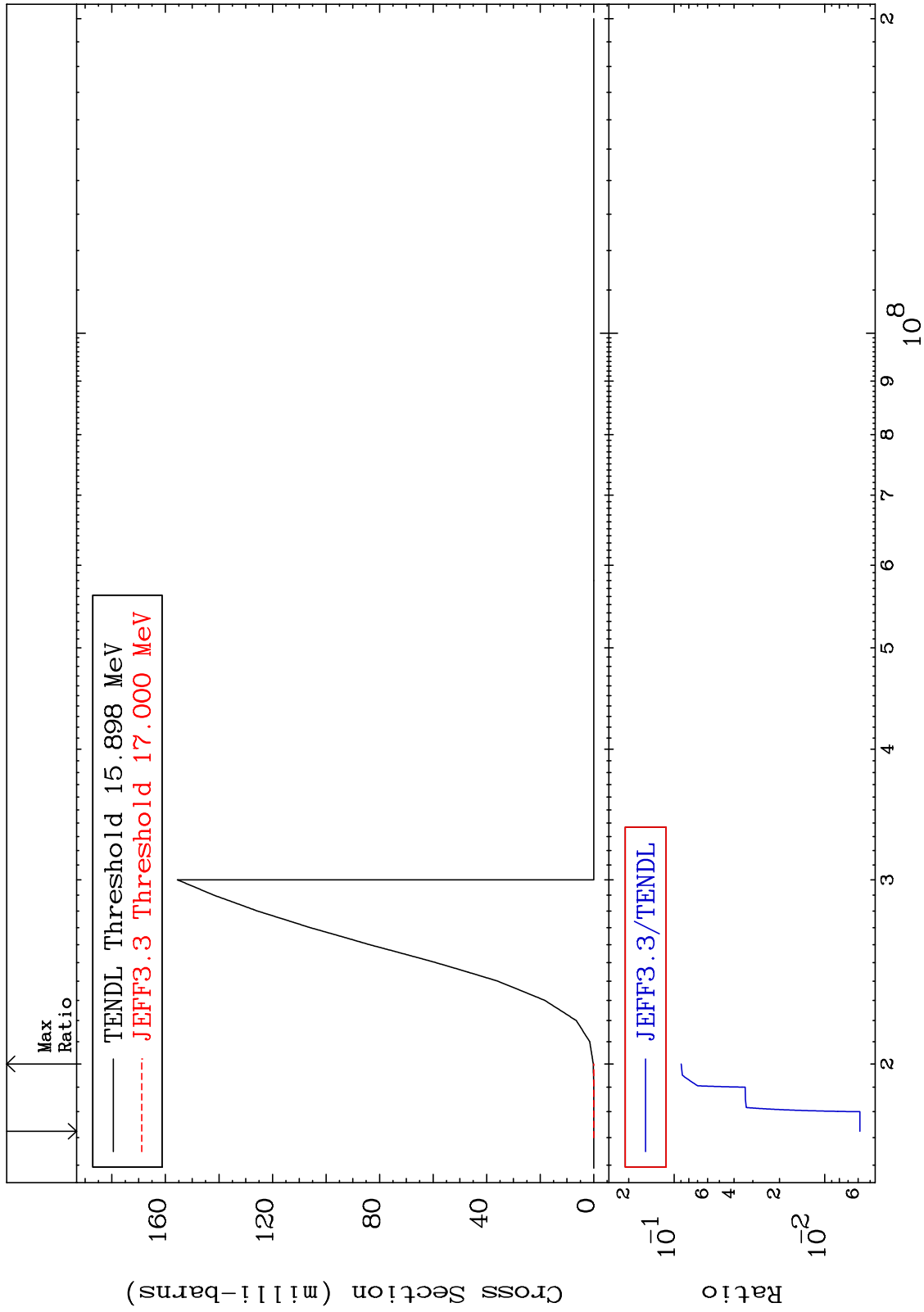
Incident Energy (eV)

46-Pd-105

MAT 4634

(n,2n) p
Cross Section

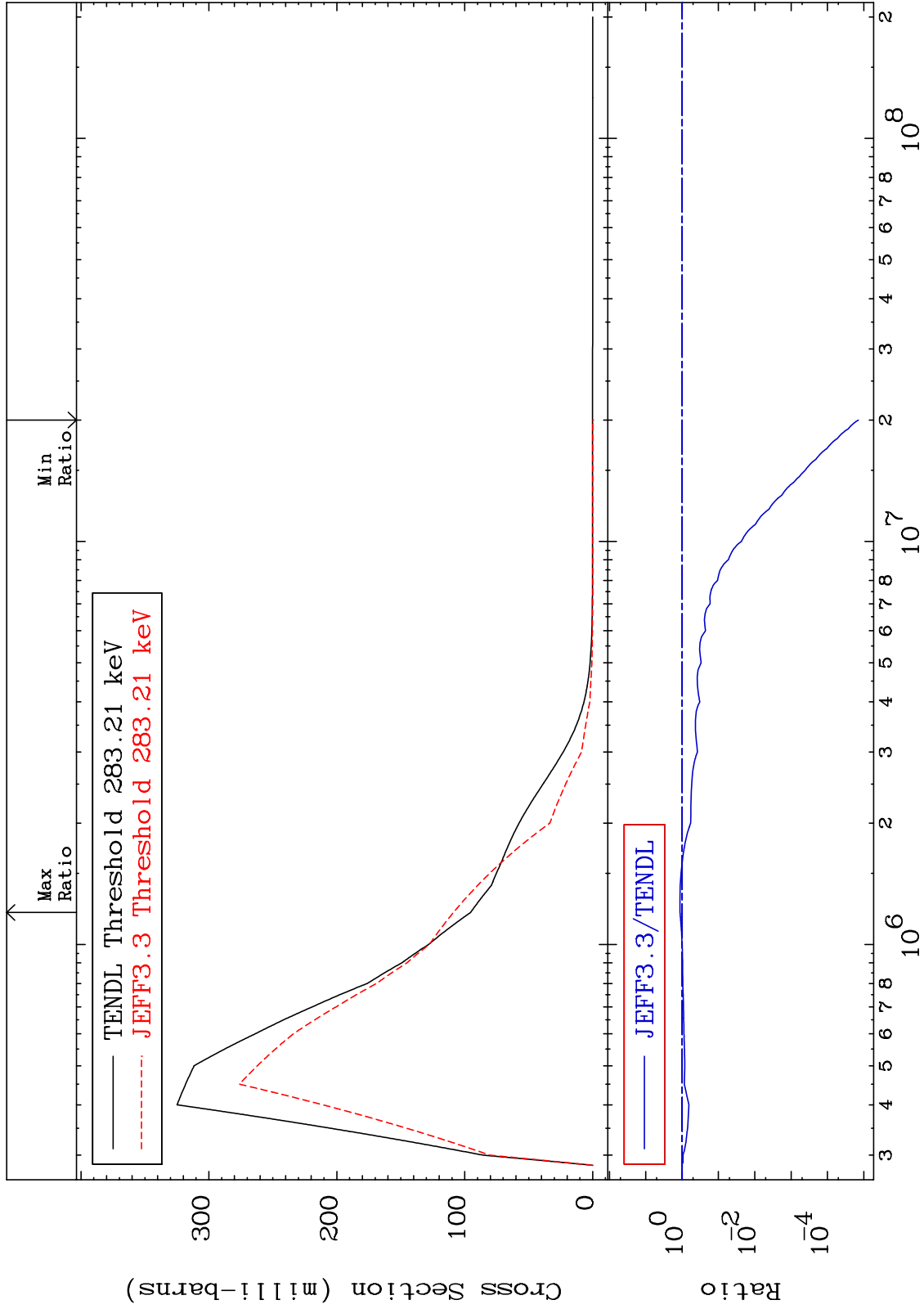
46-Pd-105
-99.42 To -91.03%



MAT 4634

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

46-Pd-105
-100.0 To 14.00 %

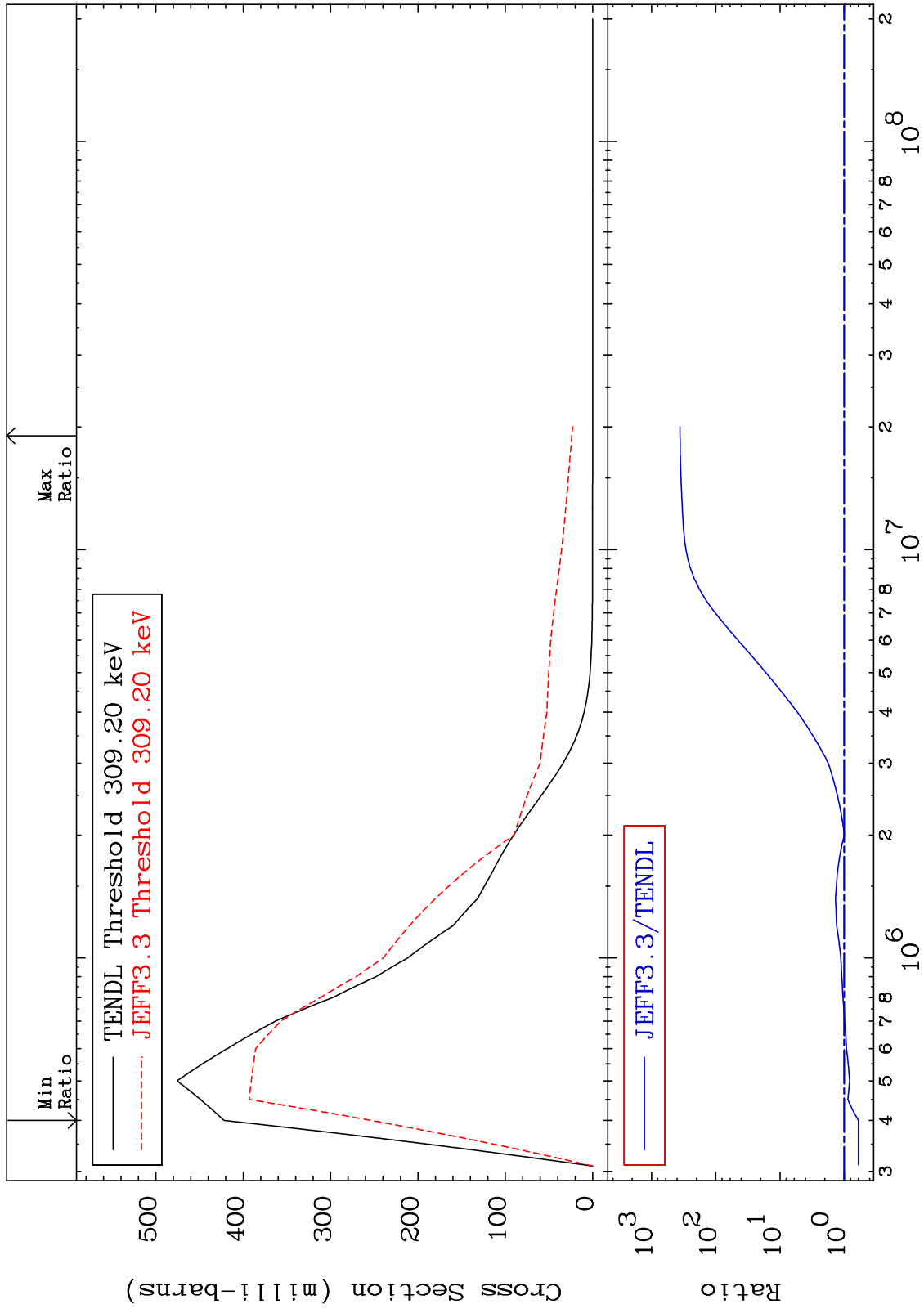


10

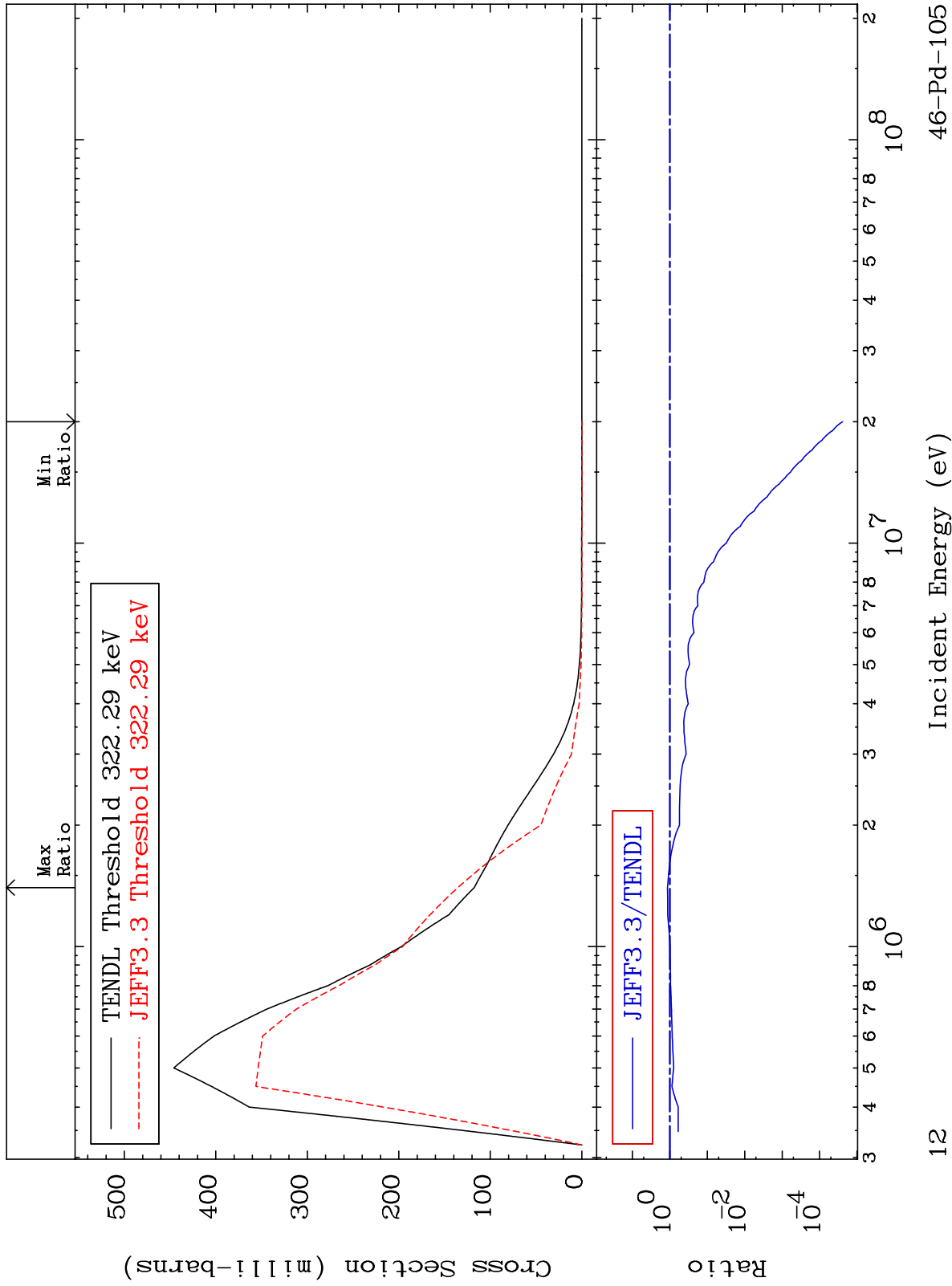
Incident Energy (eV)

46-Pd-105

MAT 4634 MT= 52 (n,n') Level 46-Pd-105
 Cross Section -39.91 To 9999. %



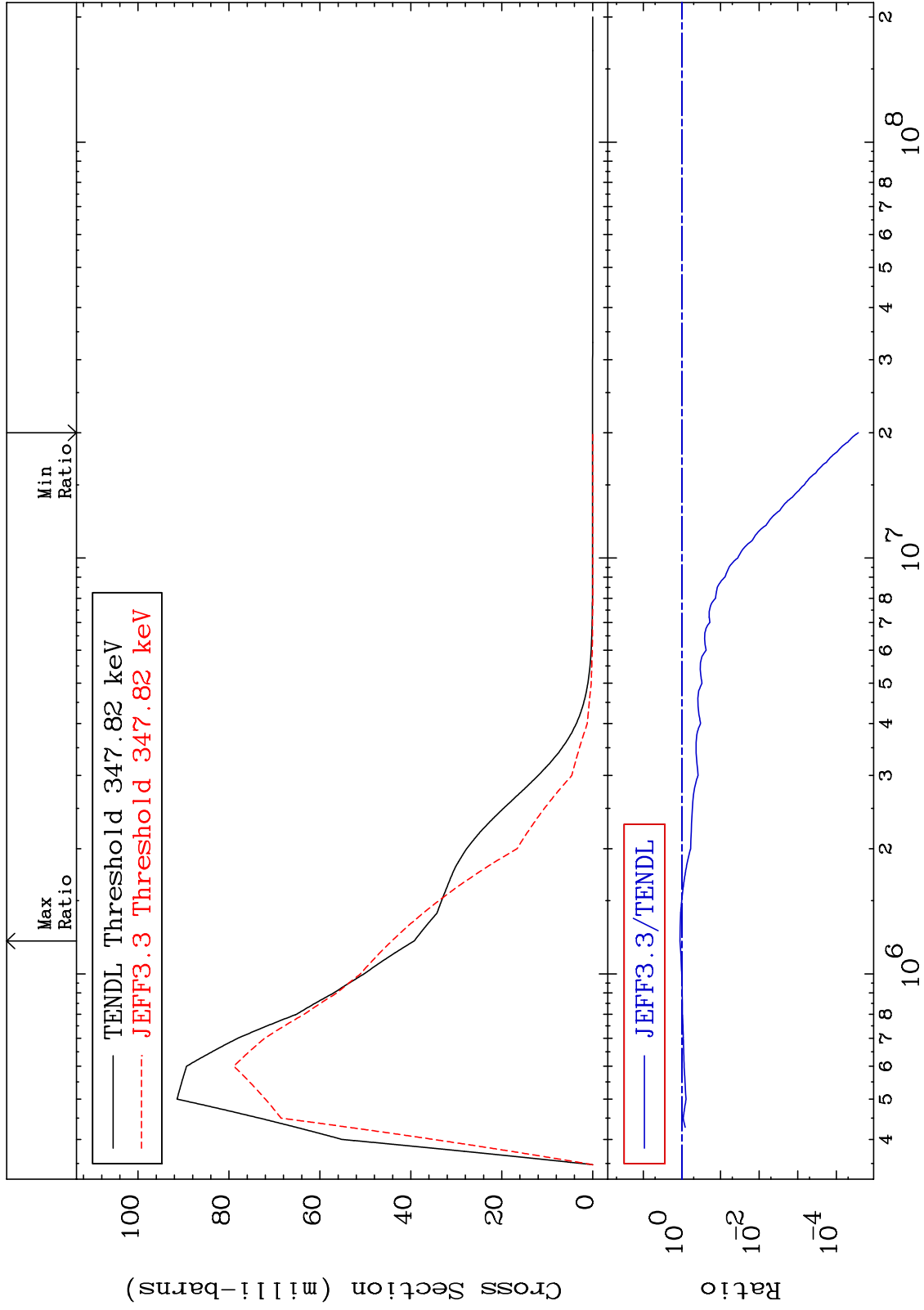
MAT 4634 MT= 53 (n,n') Level Cross Section 46-Pd-105
 -100.0 To 15.21 %



MAT 4634

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

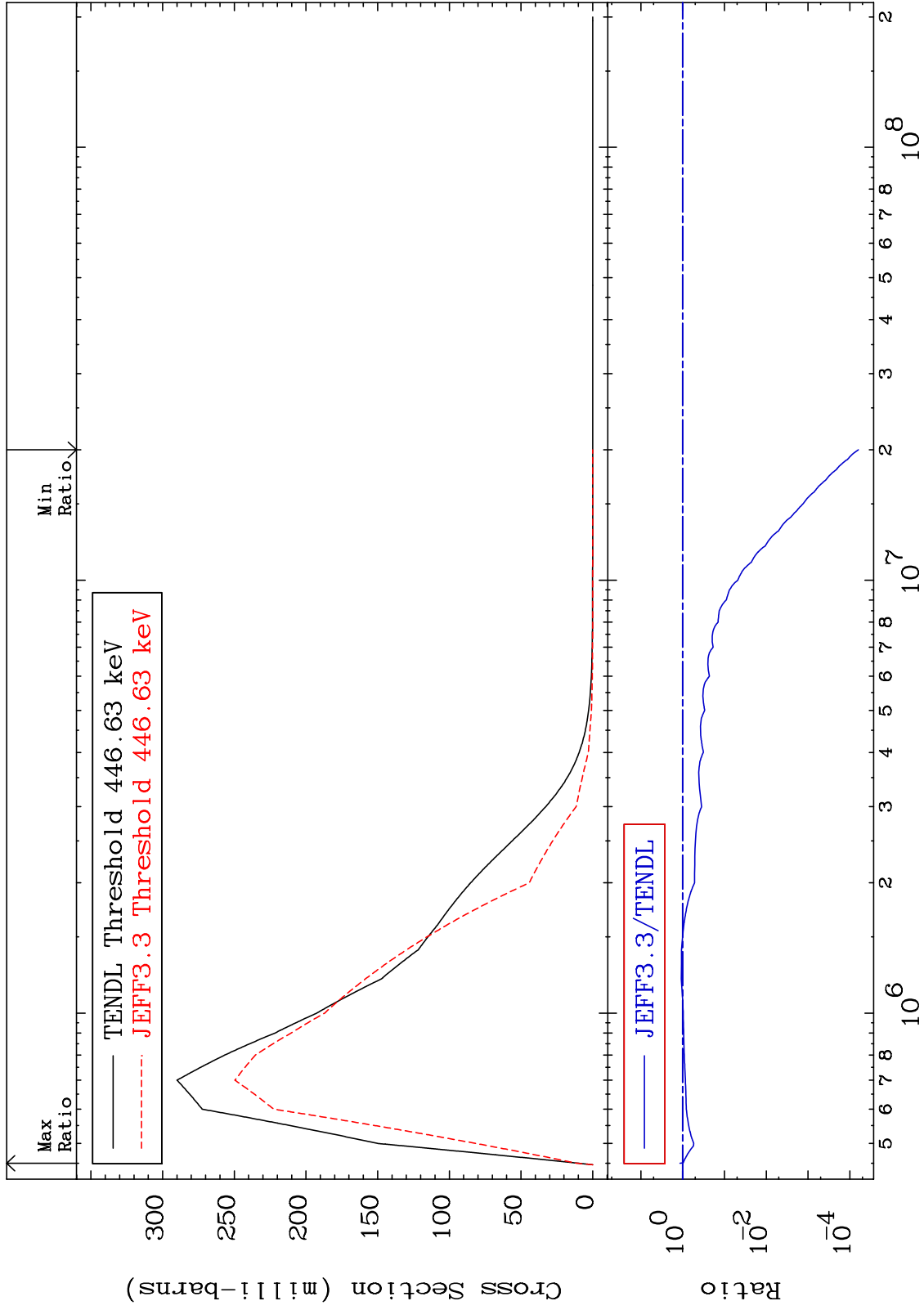
46-Pd-105
-100.0 To 12.54 %



MAT 4634

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

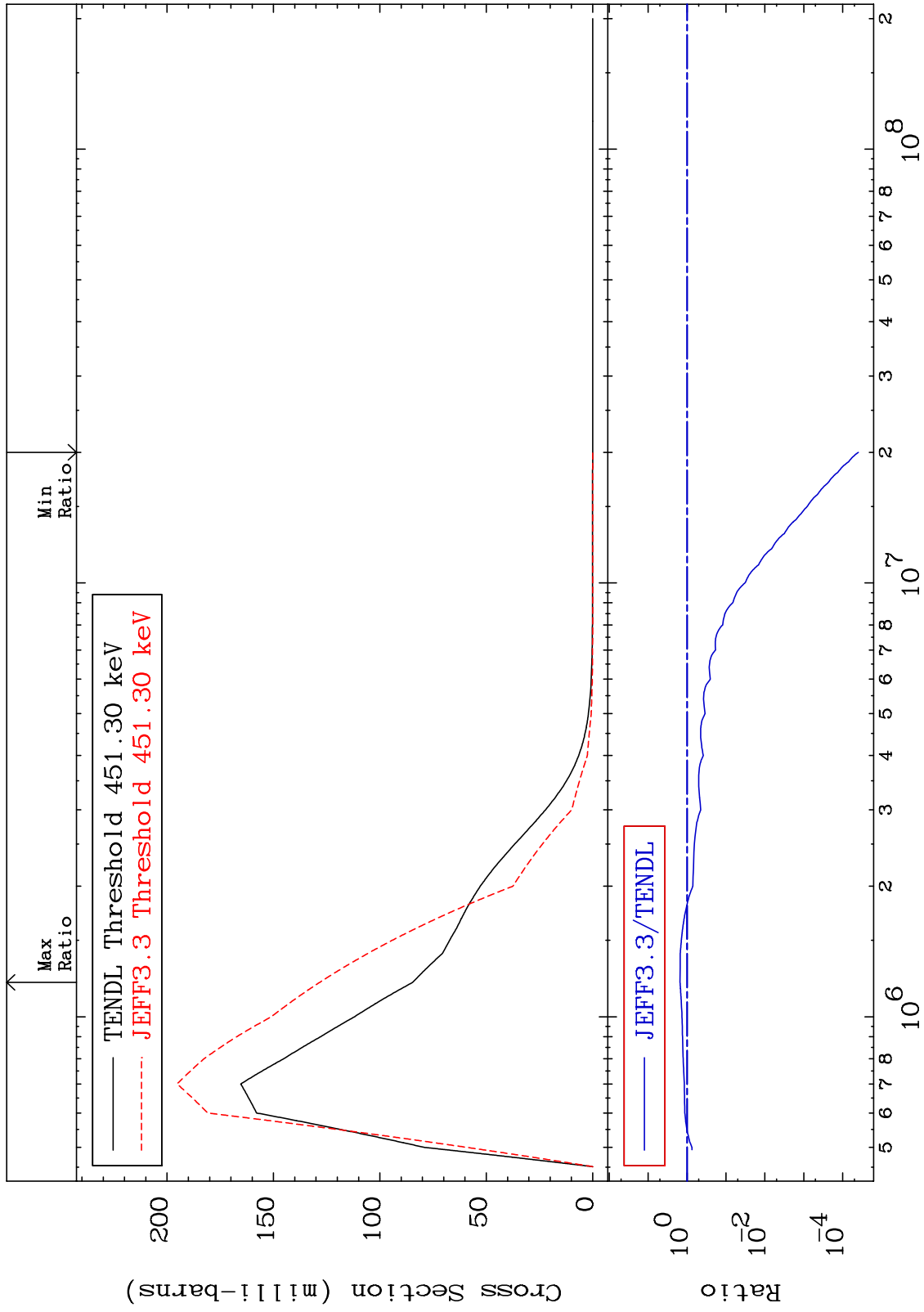
46-Pd-105
-99.99 To 15.71 %



MAT 4634

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

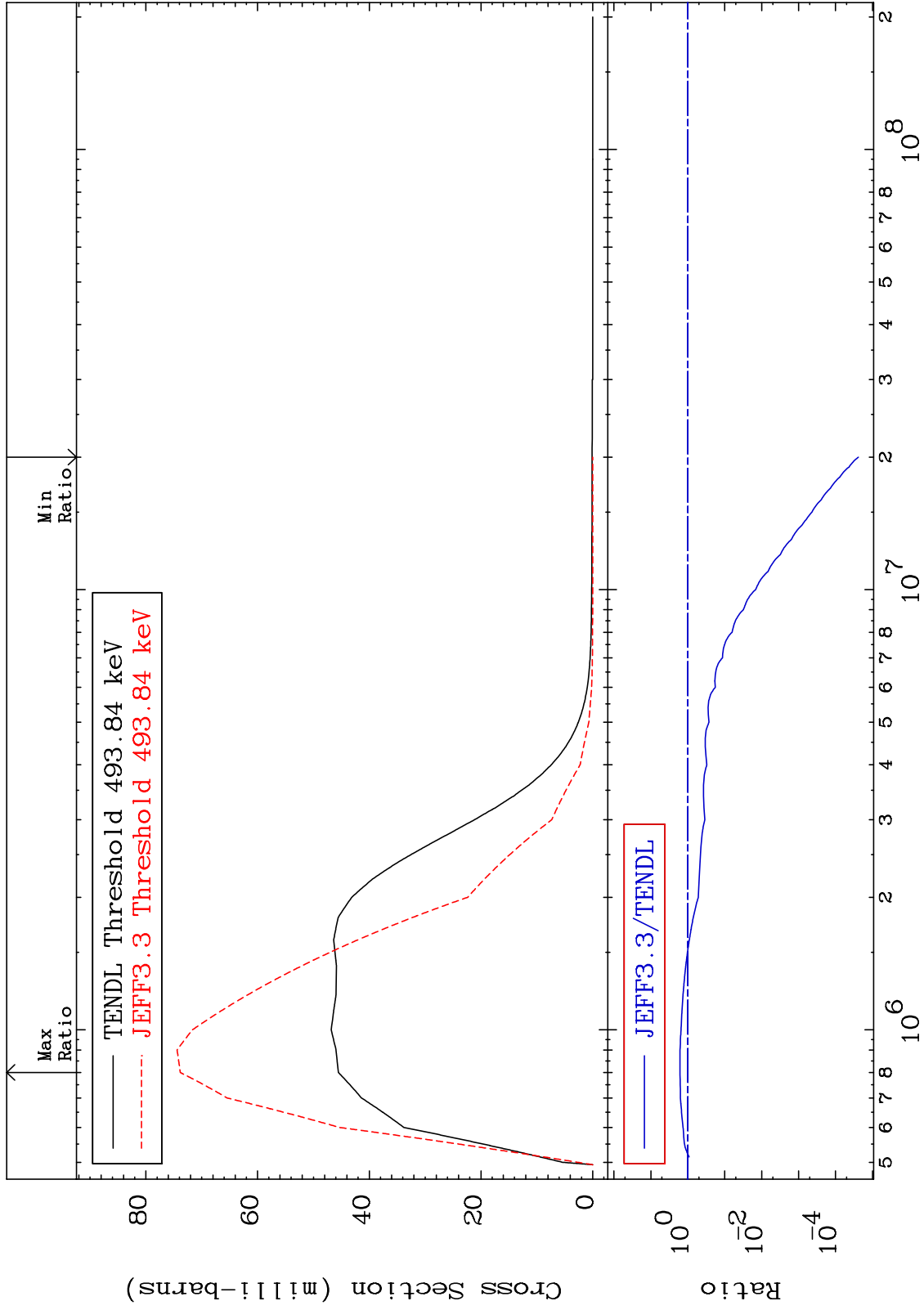
46-Pd-105
-100.0 To 51.67 %



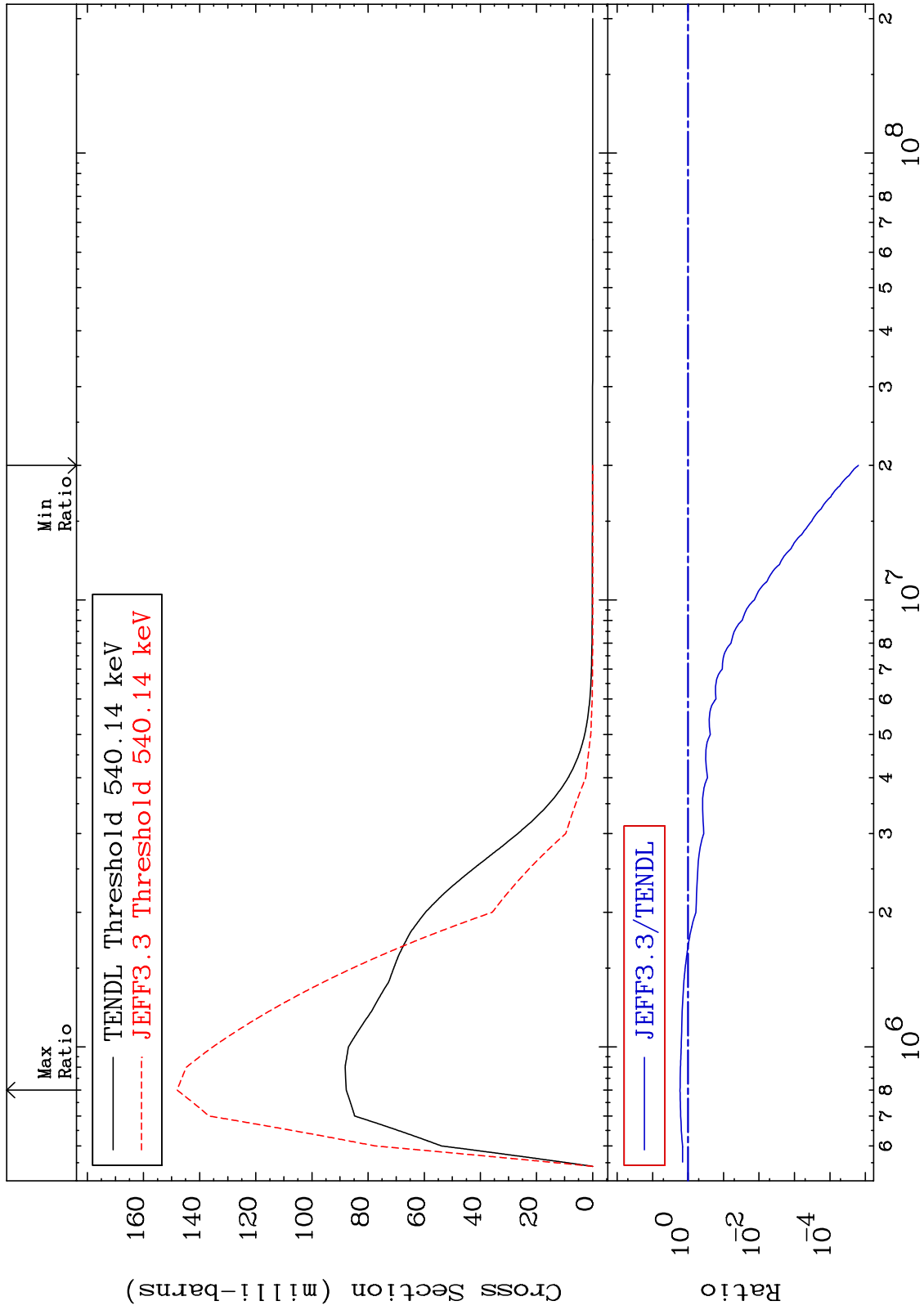
MAT 4634

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

46-Pd-105
-100.0 To 62.15 %



MAT 4634 MT= 58 (n,n') Level Cross Section 46-Pd-105
 -100.0 To 68.64 %

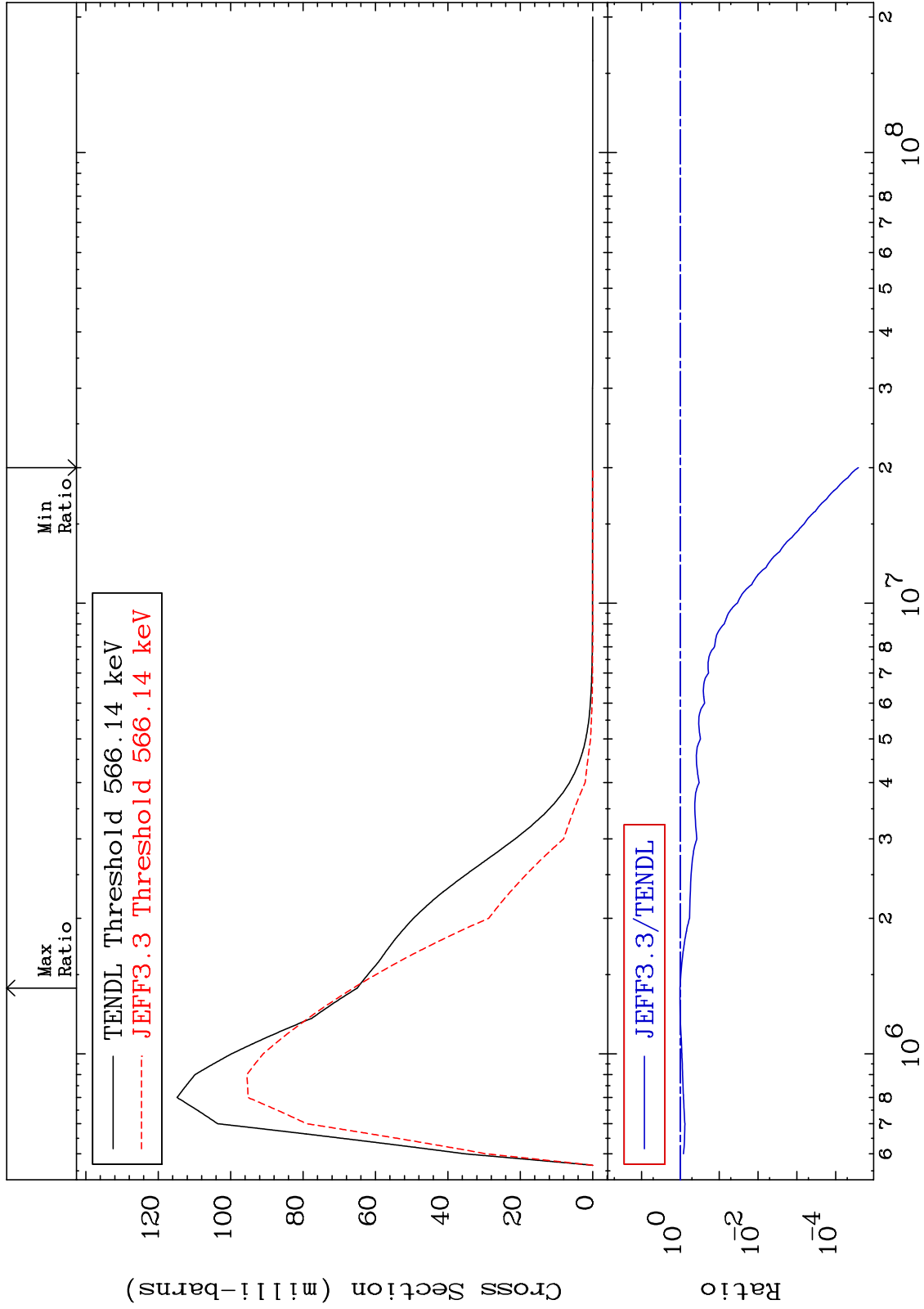


17 46-Pd-105 Incident Energy (eV)

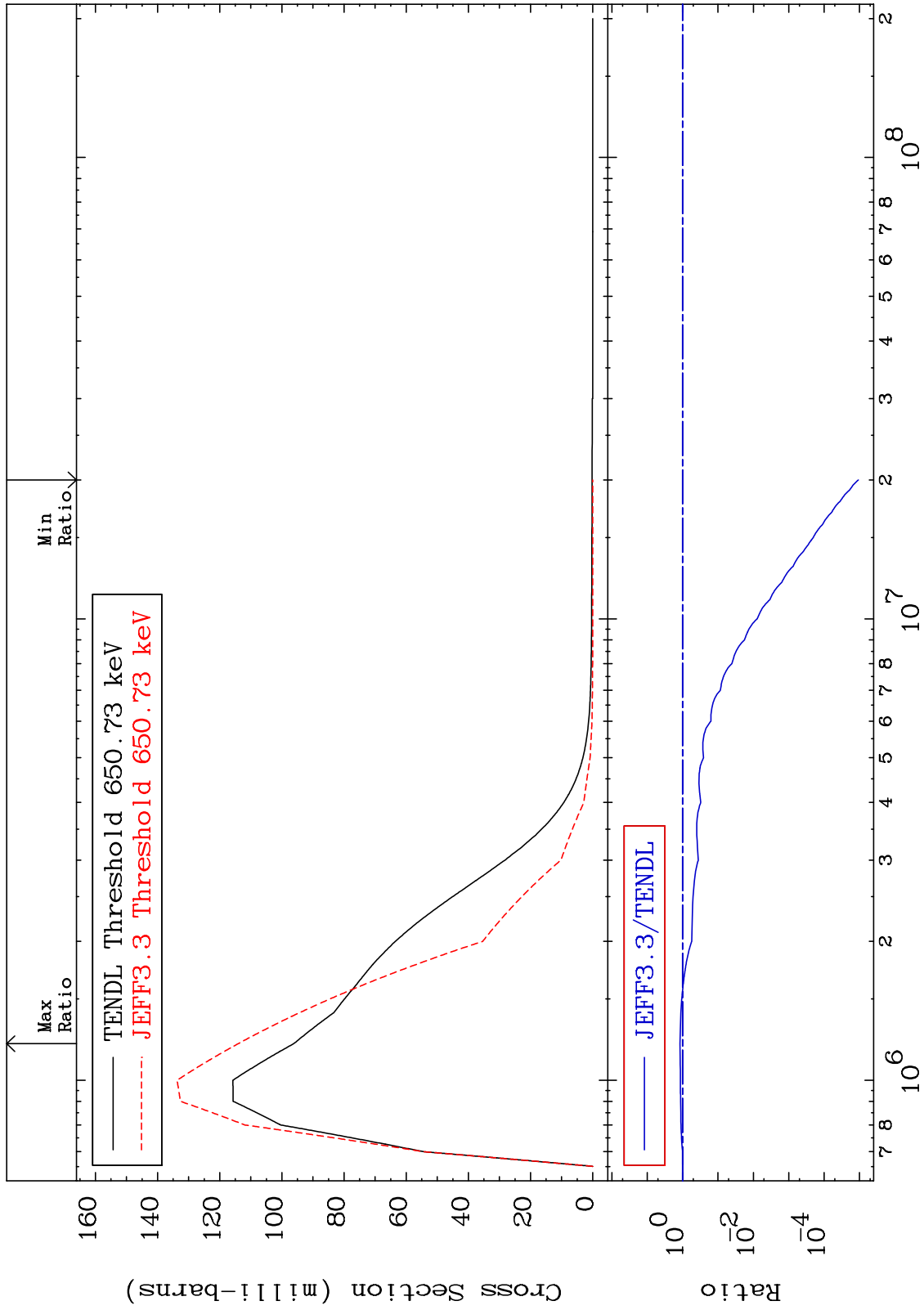
MAT 4634

MT= 59 (n,n') Level
Cross Section

46-Pd-105
-100.0 To 1.652 %



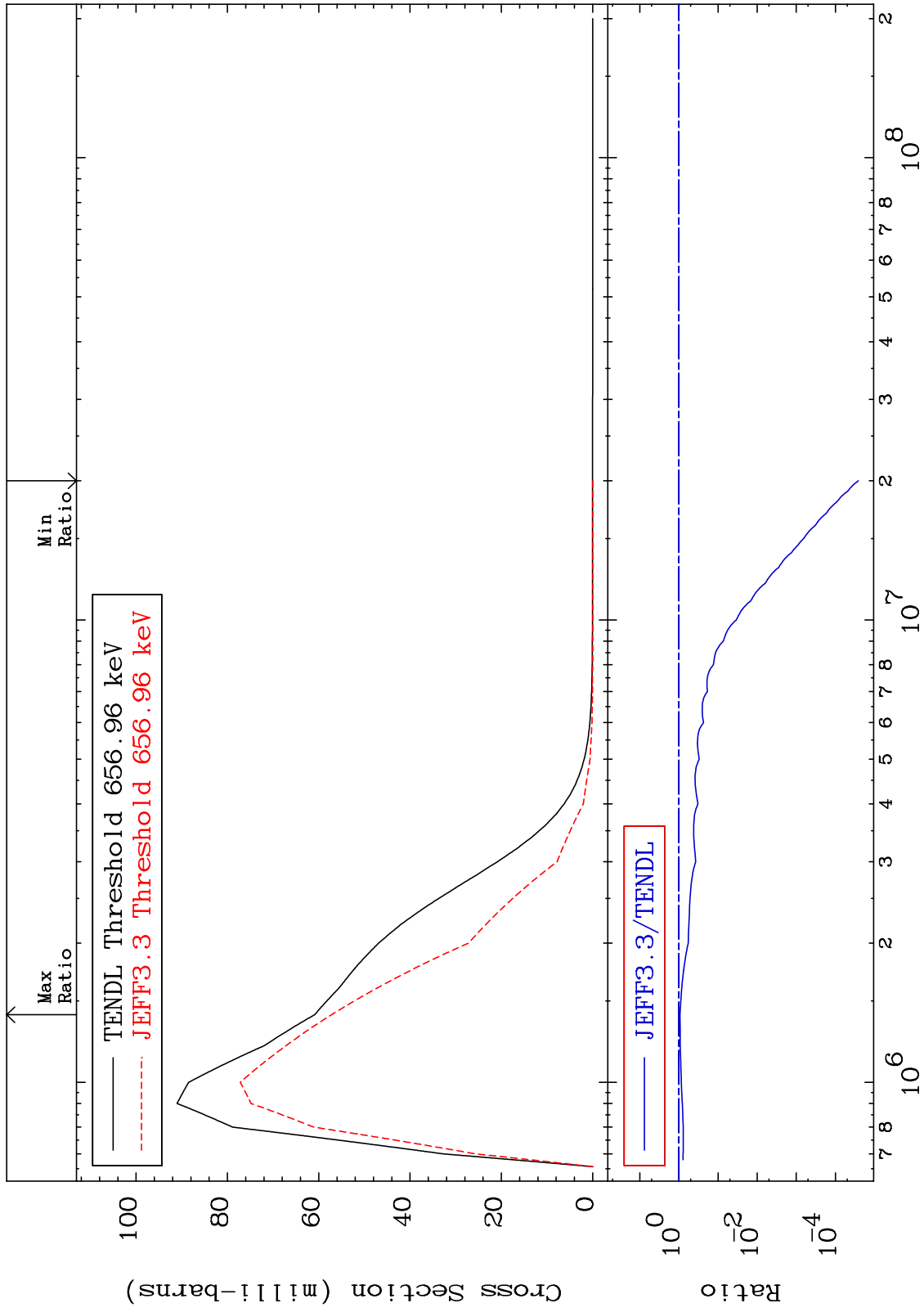
MAT 4634 MT= 60 (n,n') Level
 Cross Section 46-Pd-105
 -100.0 To 18.60 %



MAT 4634

MT= 61 (n,n') Level
Cross Section

46-Pd-105
-100.0 To -6.098%



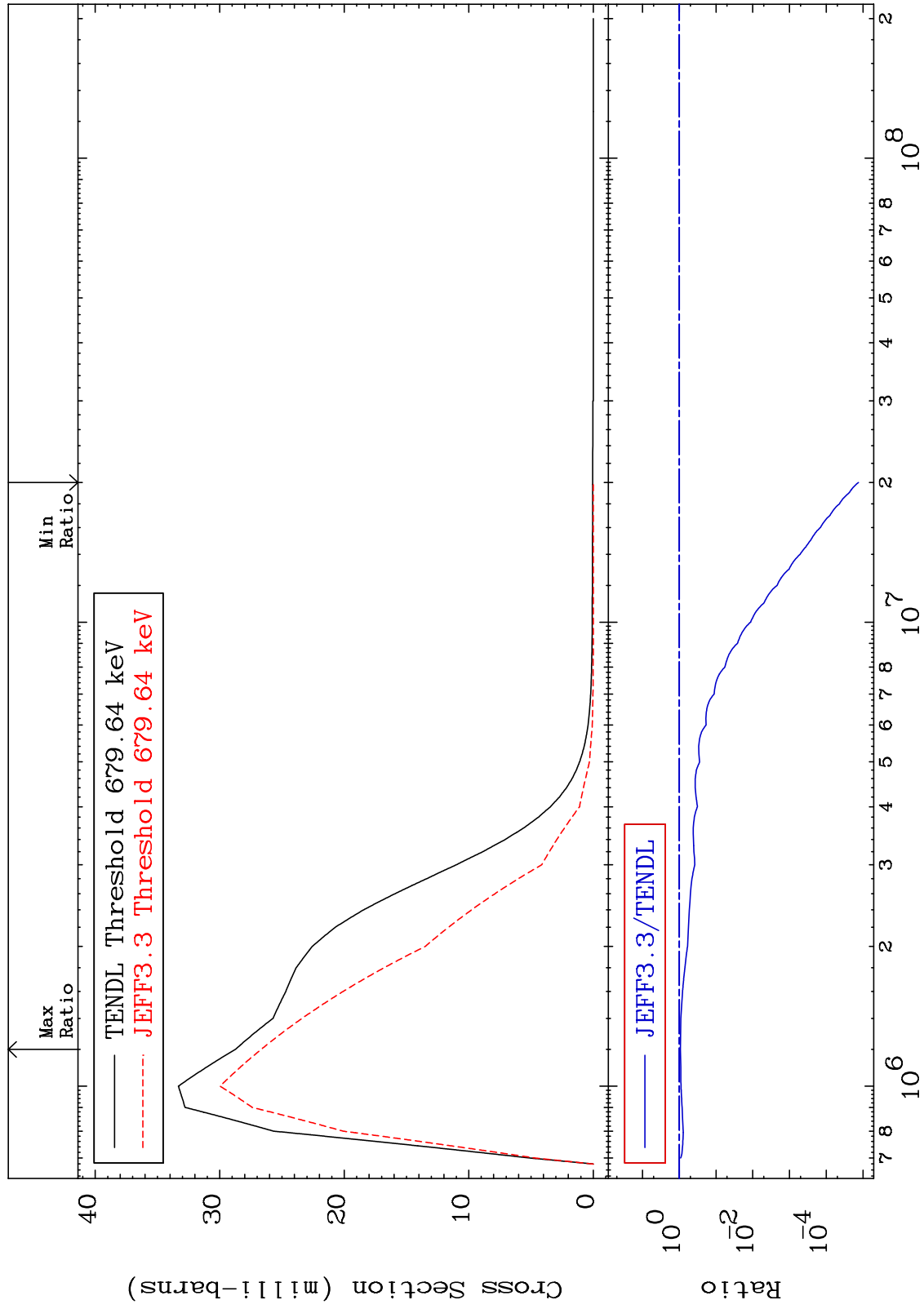
20

46-Pd-105

MAT 4634

MT= 62 (n,n') Level
Cross Section

46-Pd-105
-100.0 To -7.188%

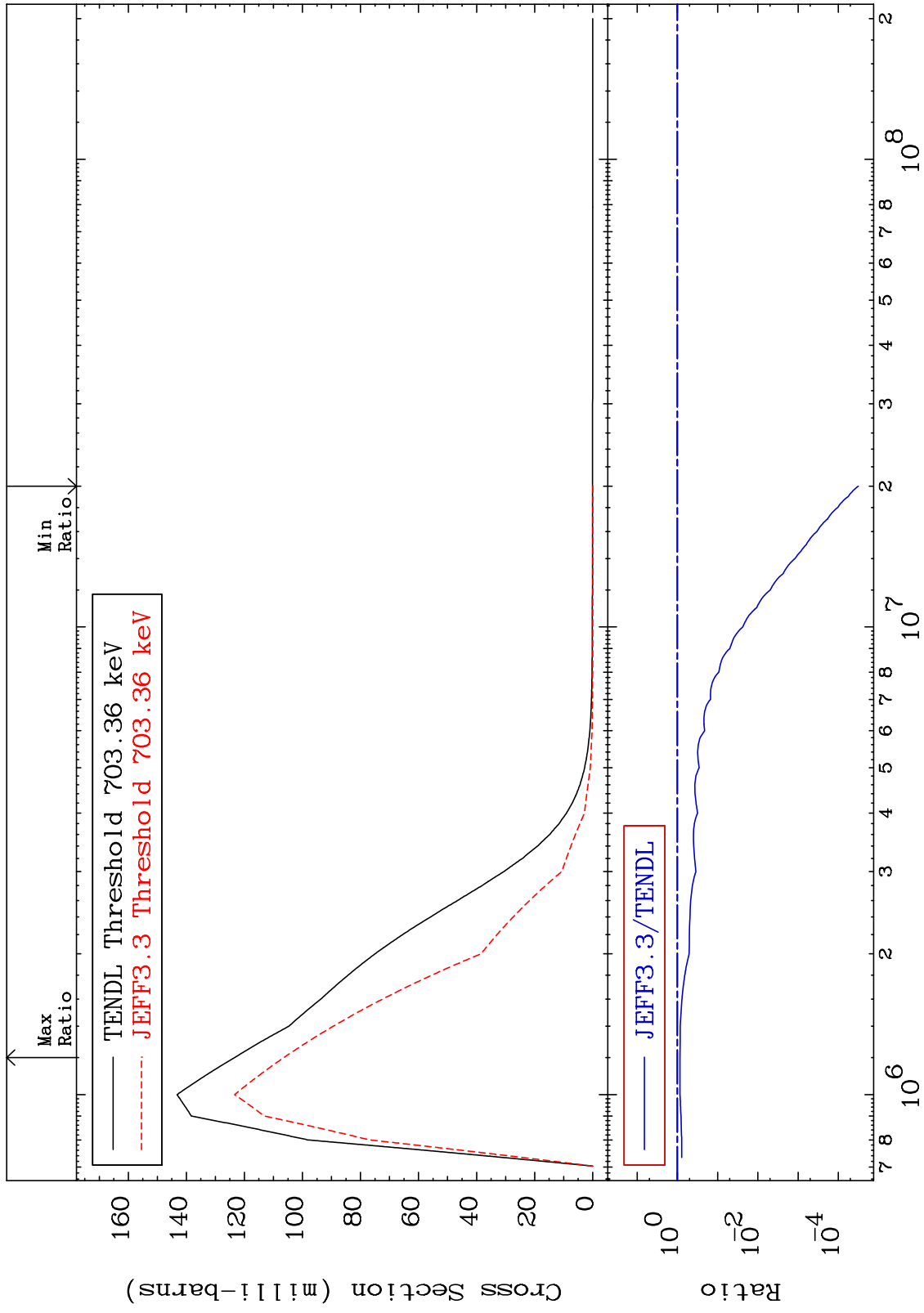


21

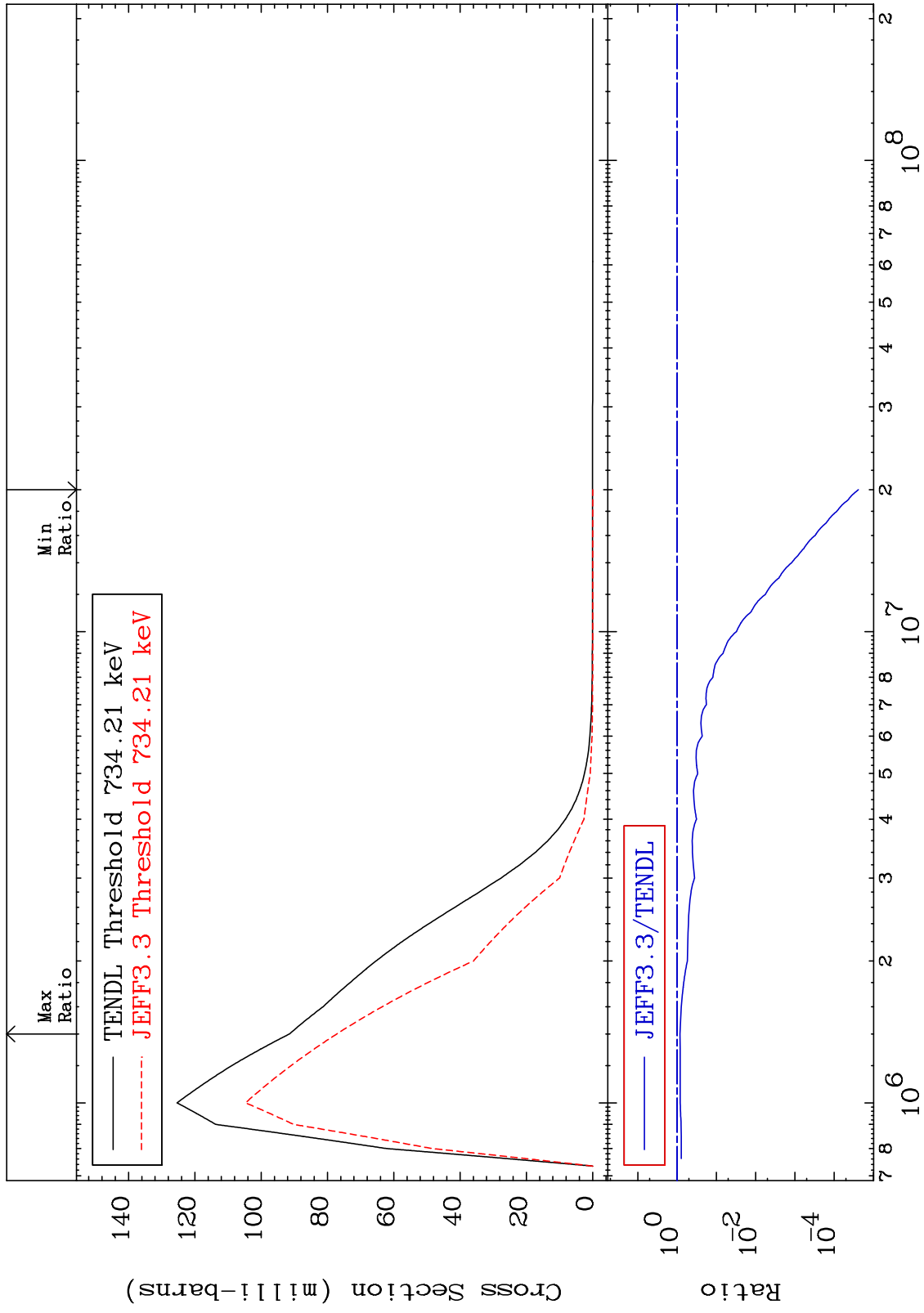
Incident Energy (eV)

46-Pd-105

MAT 4634 MT= 63 (n,n') Level Cross Section 46-Pd-105
 -100.0 To -13.73%



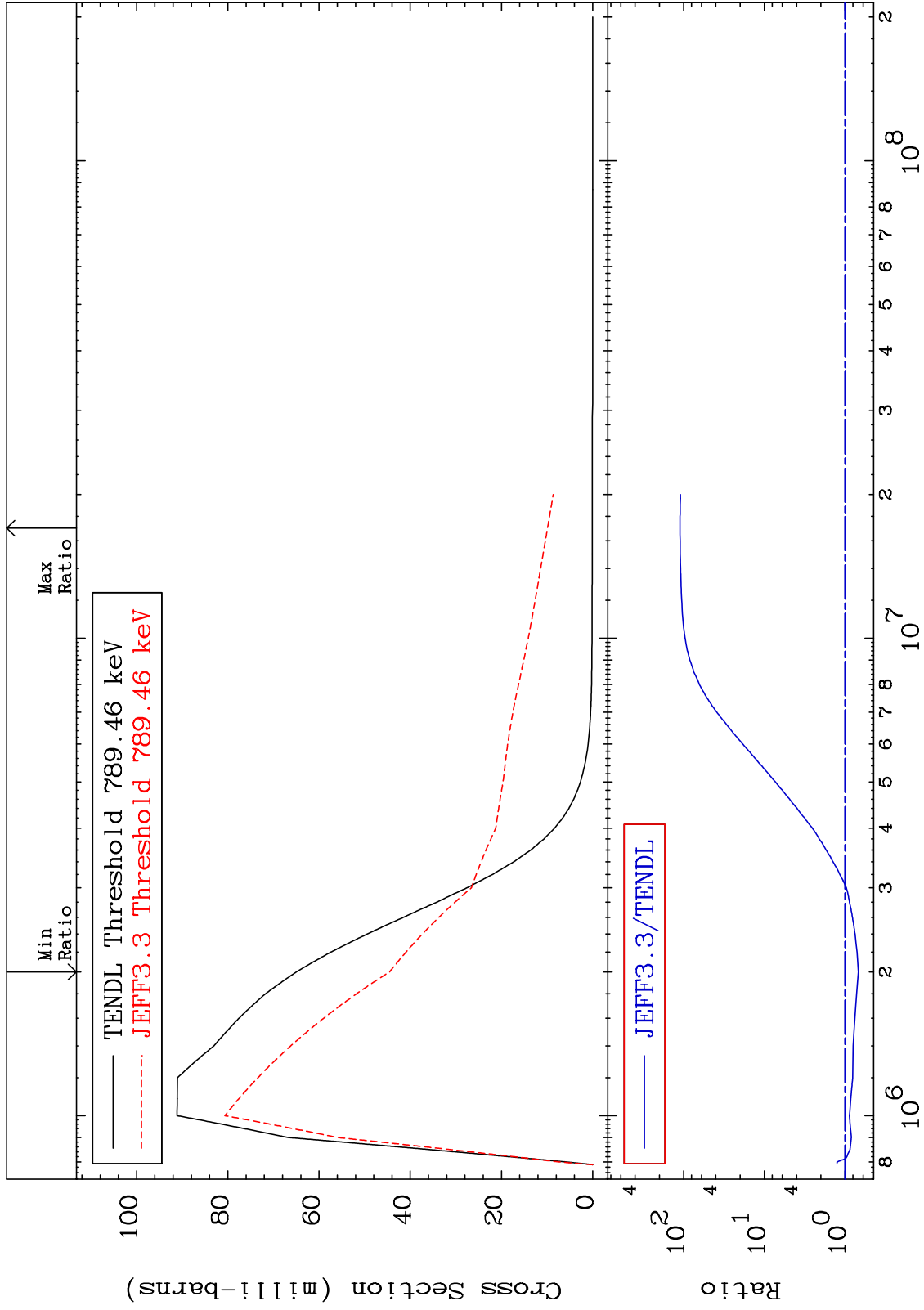
MAT 4634 MT= 64 (n,n') Level Cross Section 46-Pd-105
 -100.0 To -15.62%



MAT 4634

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

46-Pd-105
-31.45 To 9999. %



24

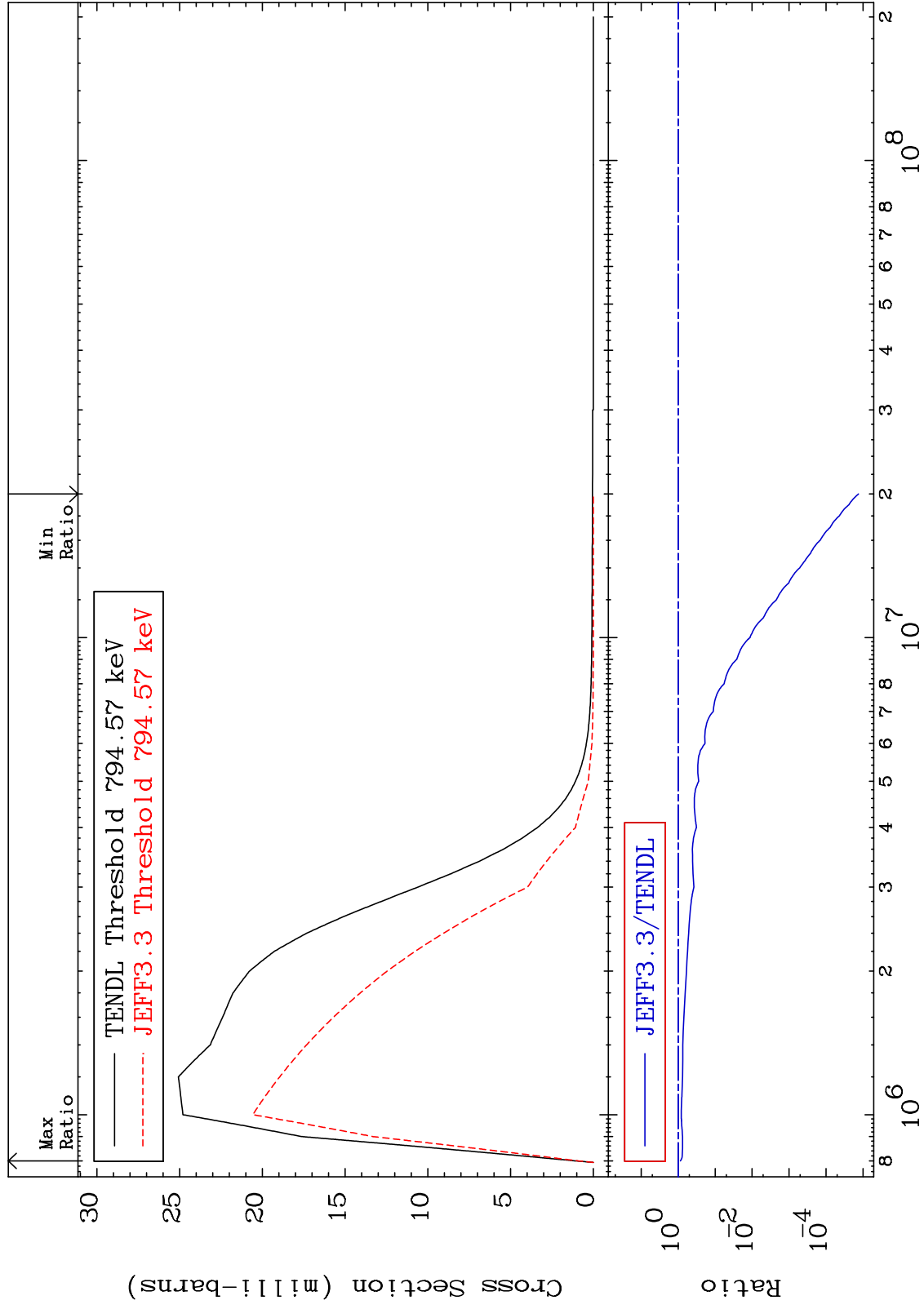
Incident Energy (eV)

46-Pd-105

MAT 4634

MT= 66 (n,n') Level
Cross Section

46-Pd-105
-100.0 To -13.30%



25

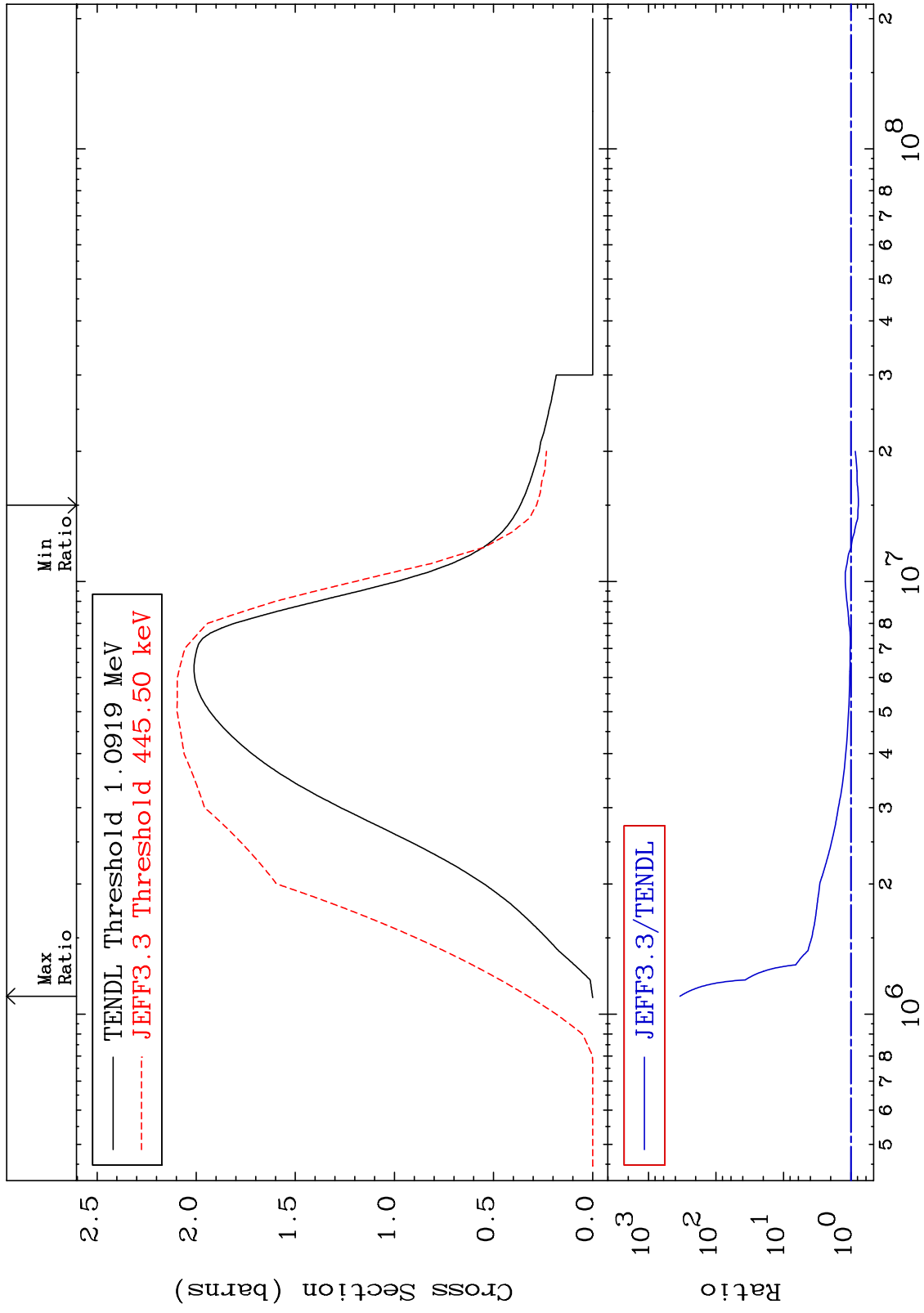
Incident Energy (eV)

46-Pd-105

MAT 4634

(n, n') Continuum
Cross Section

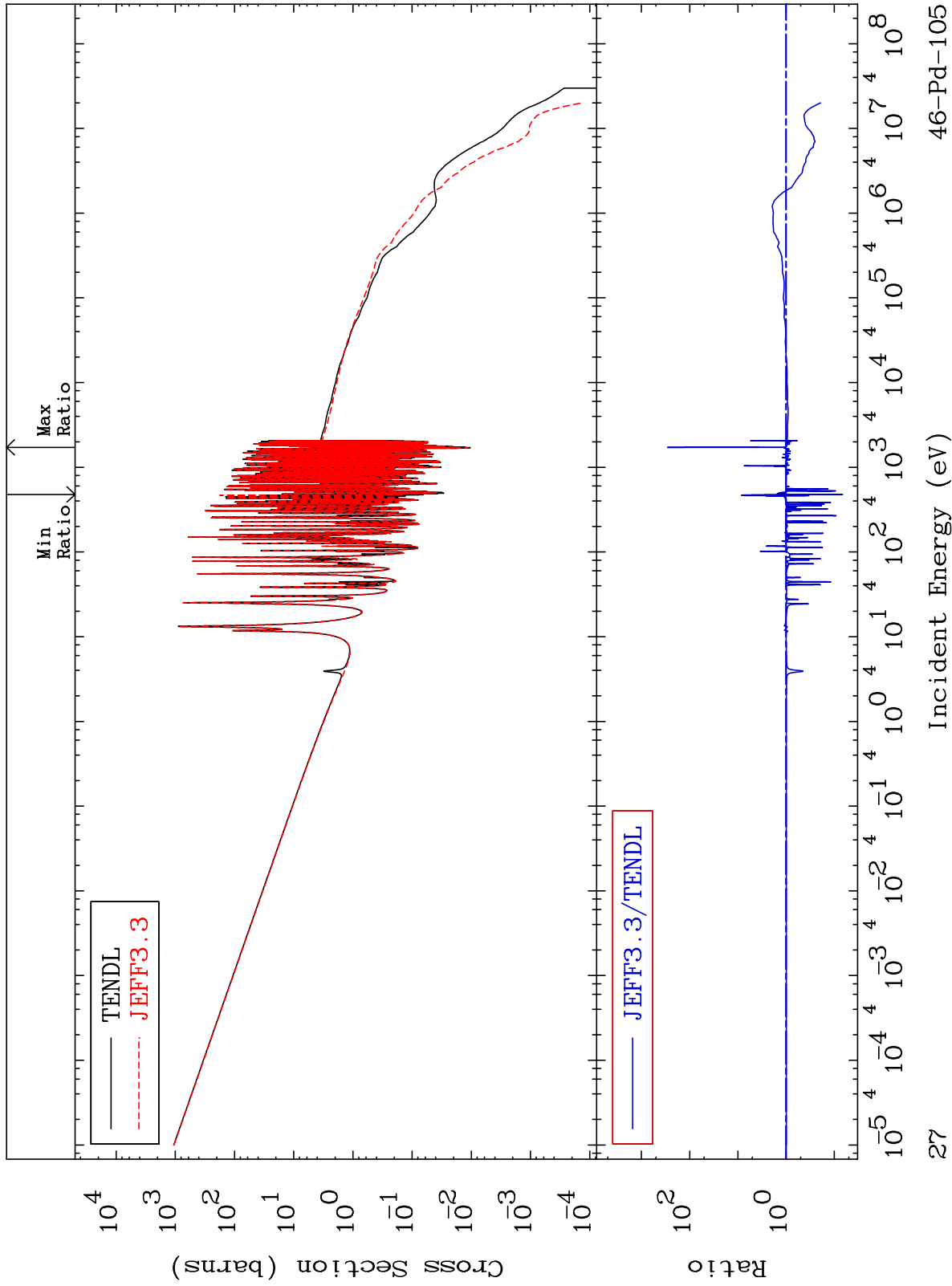
46-Pd-105
-22.43 To 9999. %



MAT 4634

(n, γ)
Cross Section

46-Pd-105
-93.31 To 9999. %



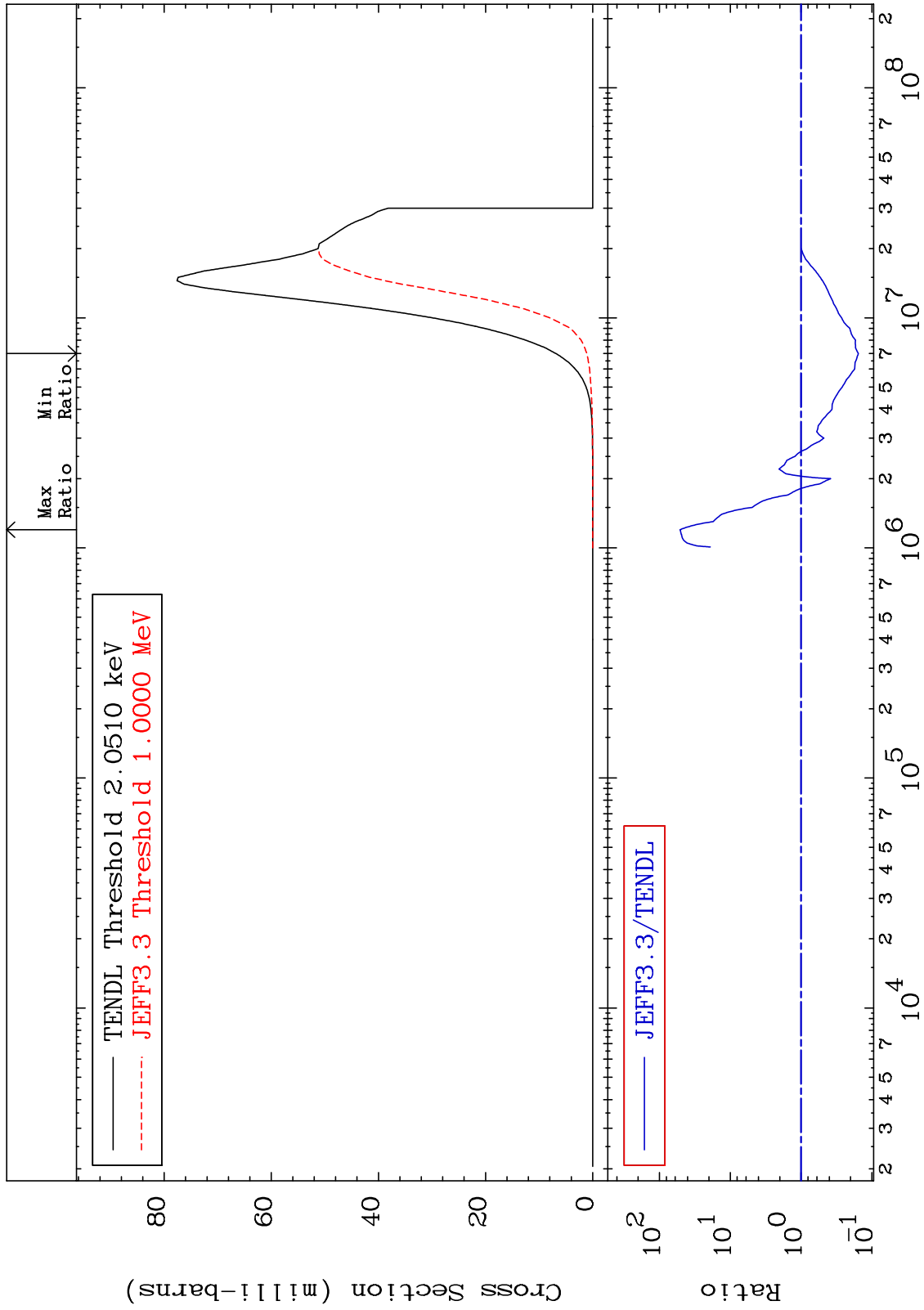
MAT 4634

46-Pd-105

(n, p)

-84.49 To 5030. %

Cross Section



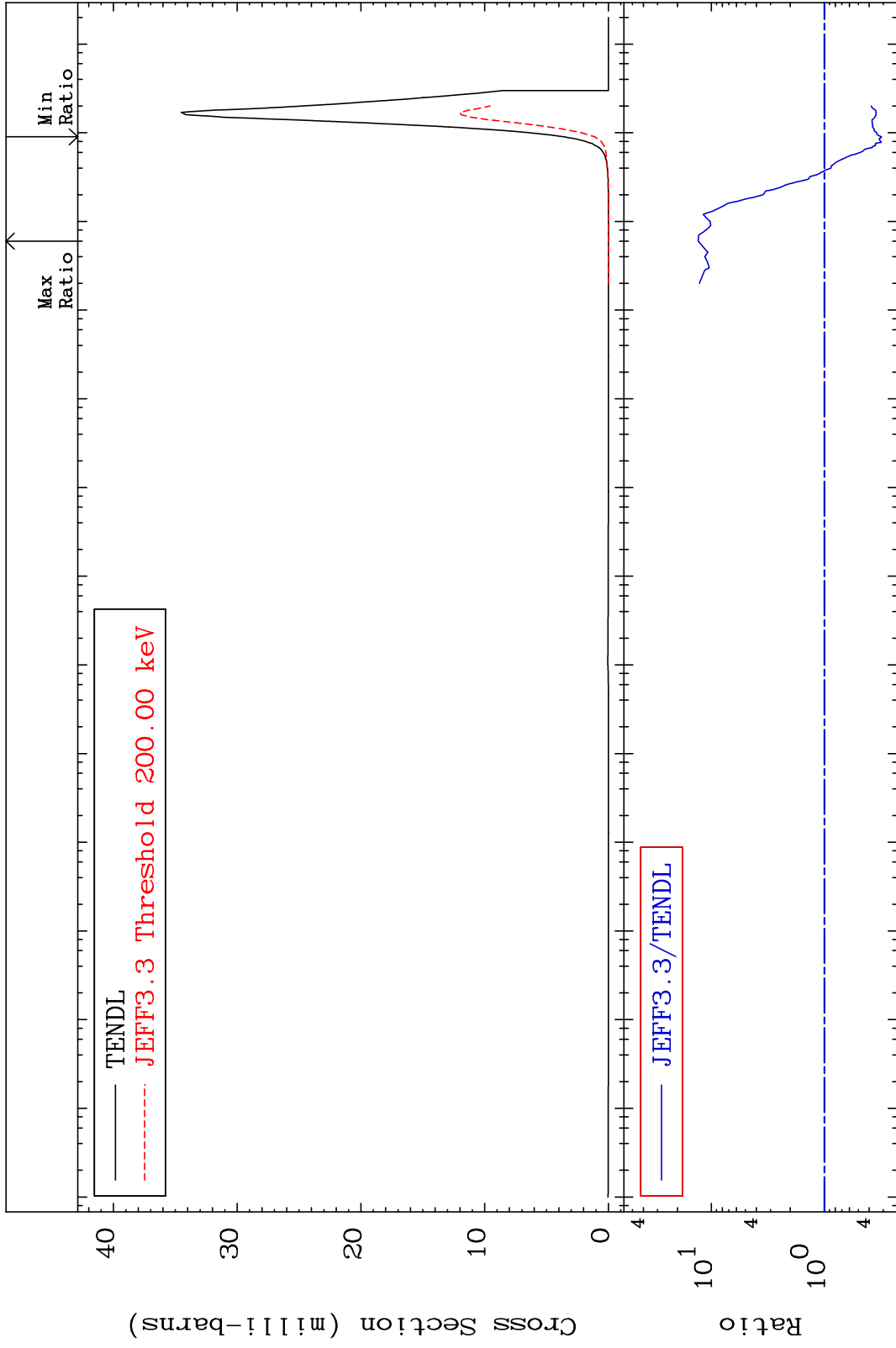
MAT 4634

(n, α)

46-Pd-105

Cross Section

-68.86 To 1210. %



Incident Energy (eV)

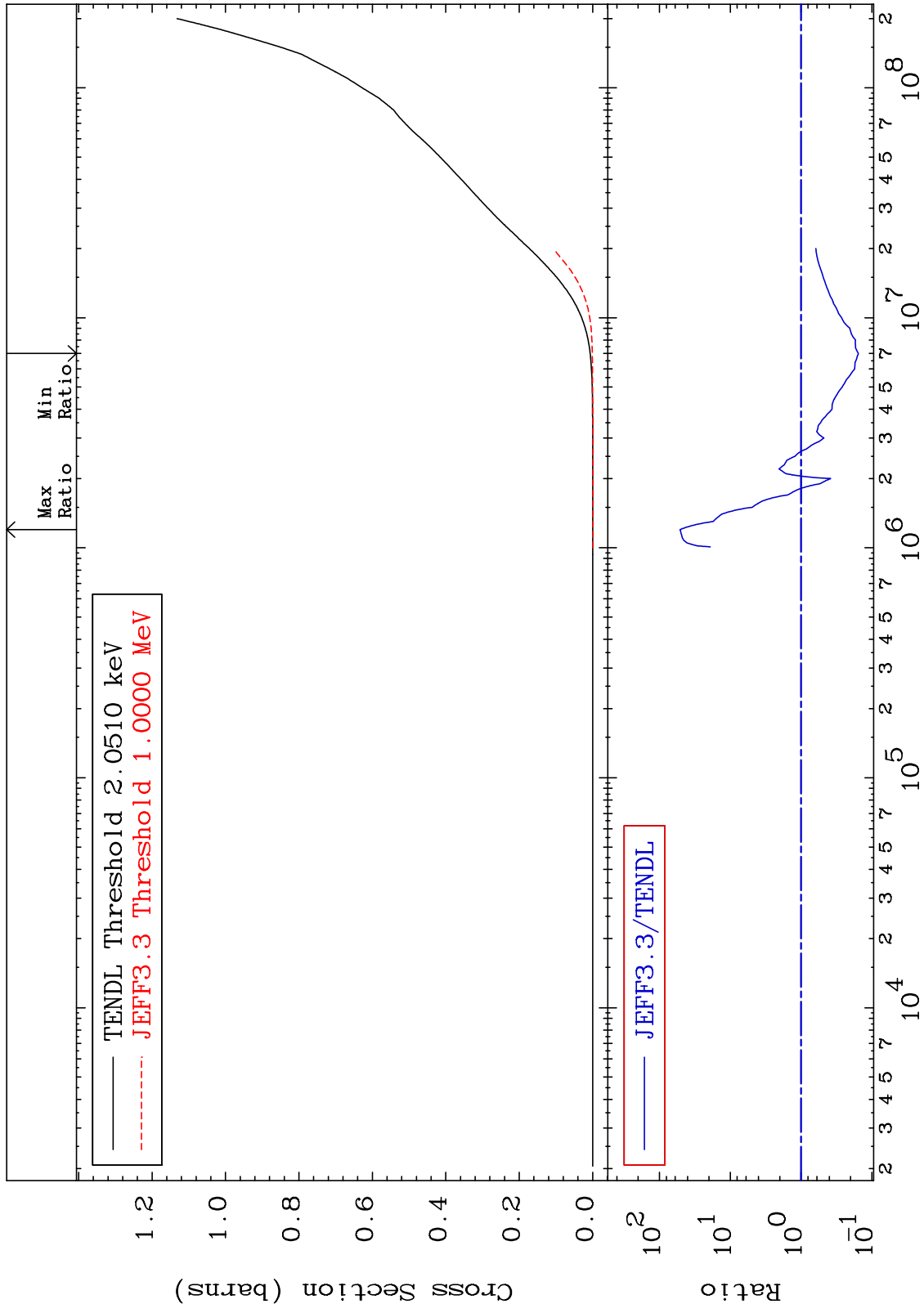
46-Pd-105

29

MAT 4634

Hydrogen Production
Cross Section

46-Pd-105
-84.49 To 5030. %



30

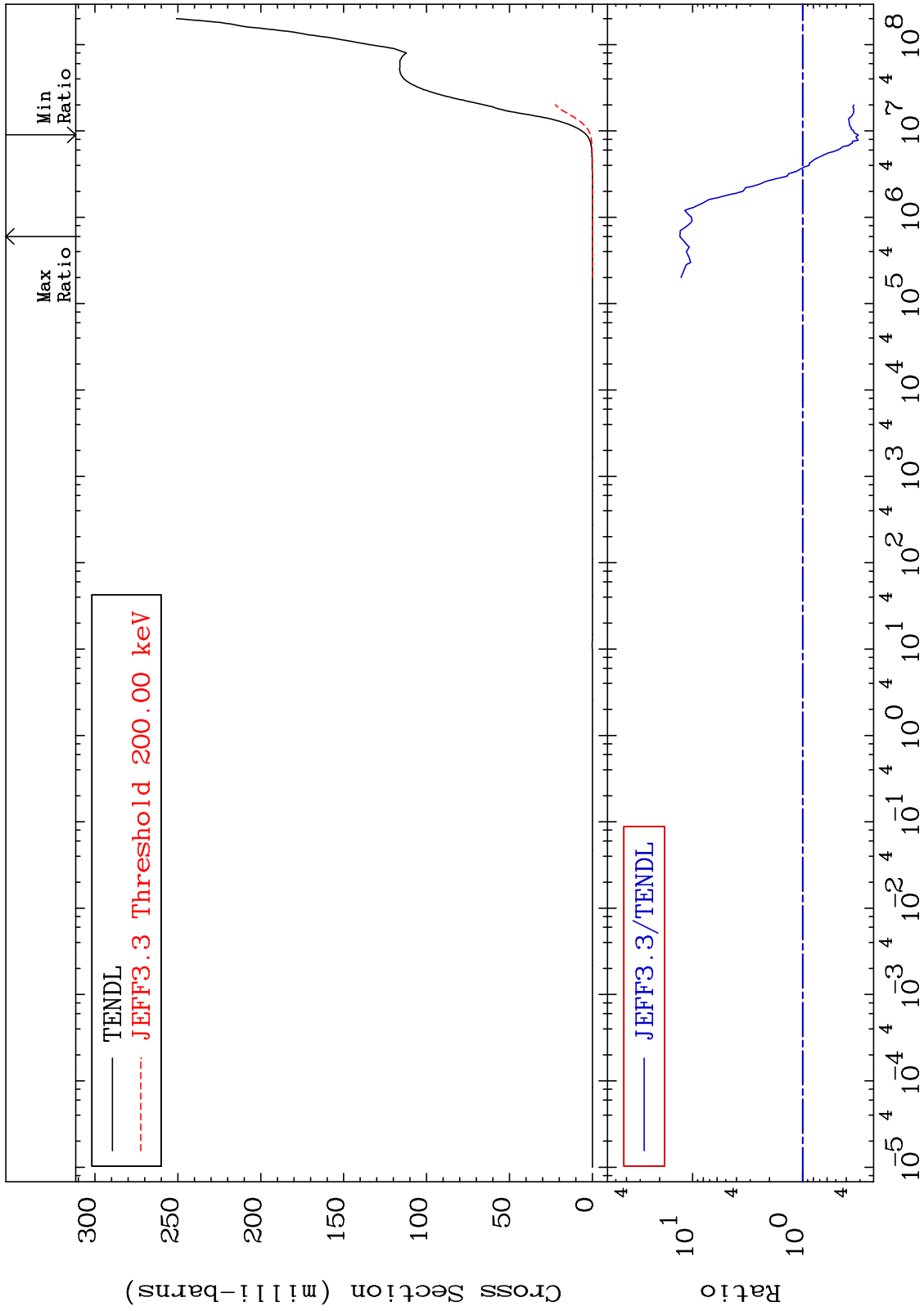
Incident Energy (eV)

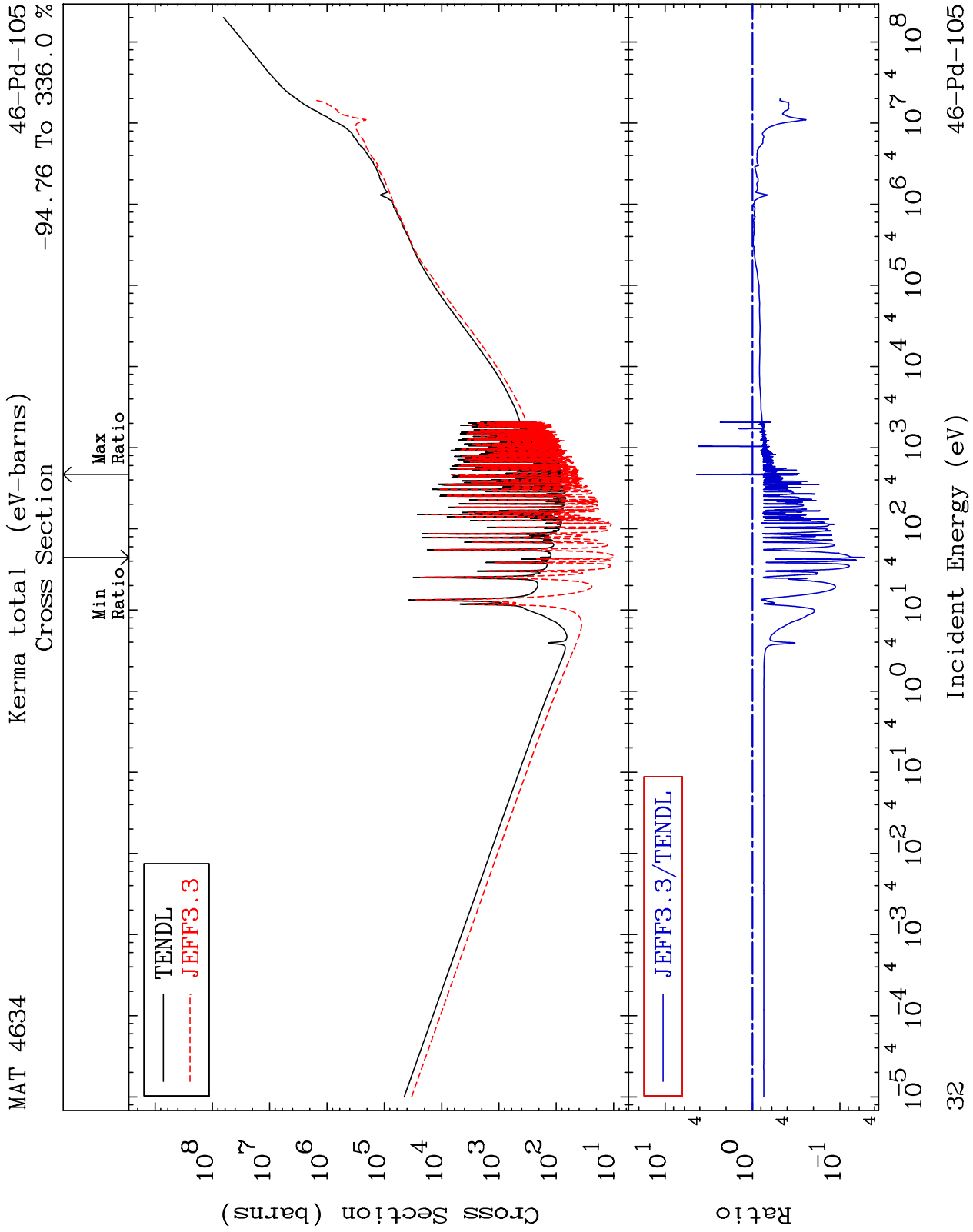
46-Pd-105

MAT 4634

He-4 Production
Cross Section

46-Pd-105
-68.86 To 1210. %

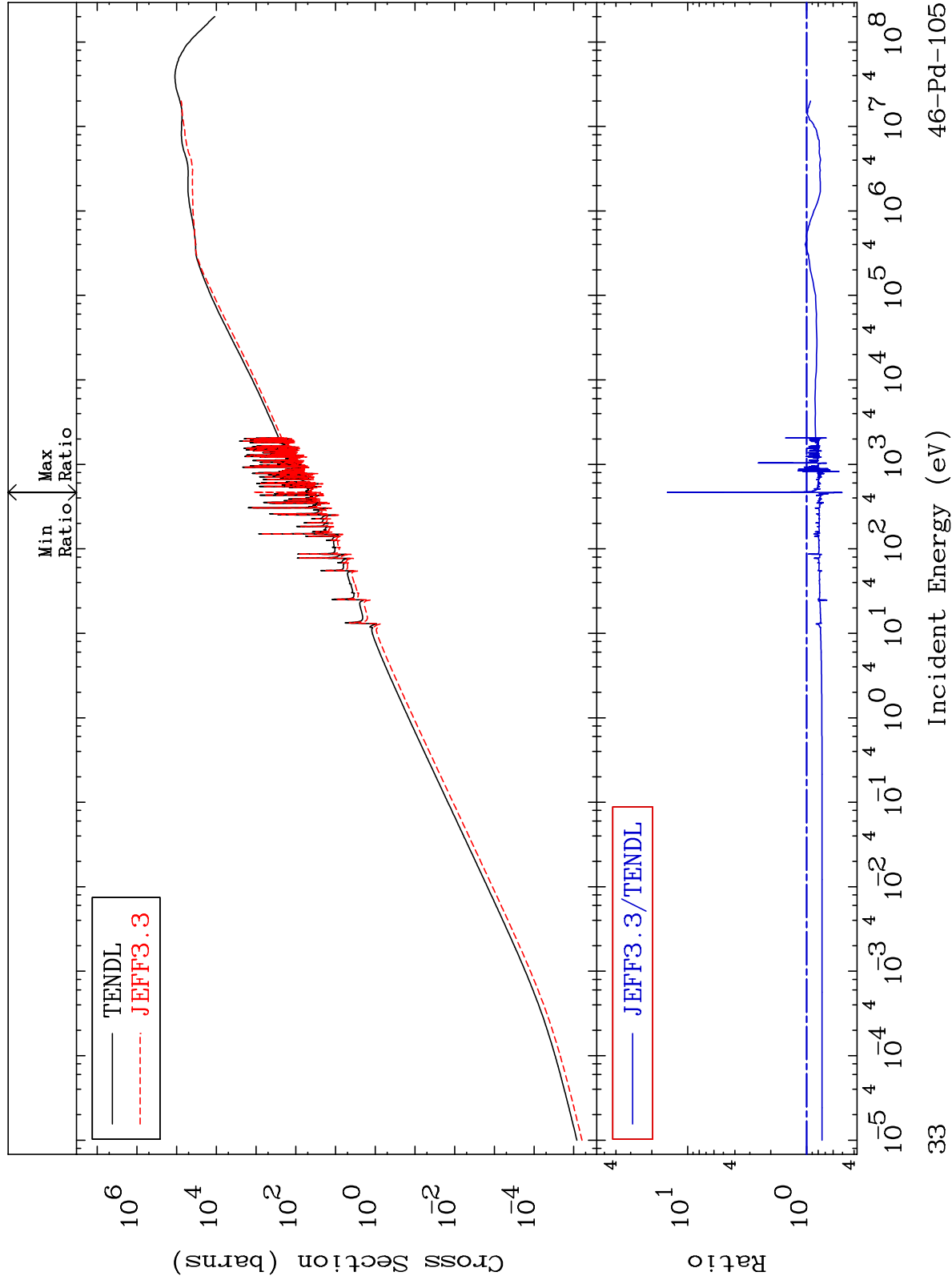




MAT 4634

Kerma elastic
Cross Section

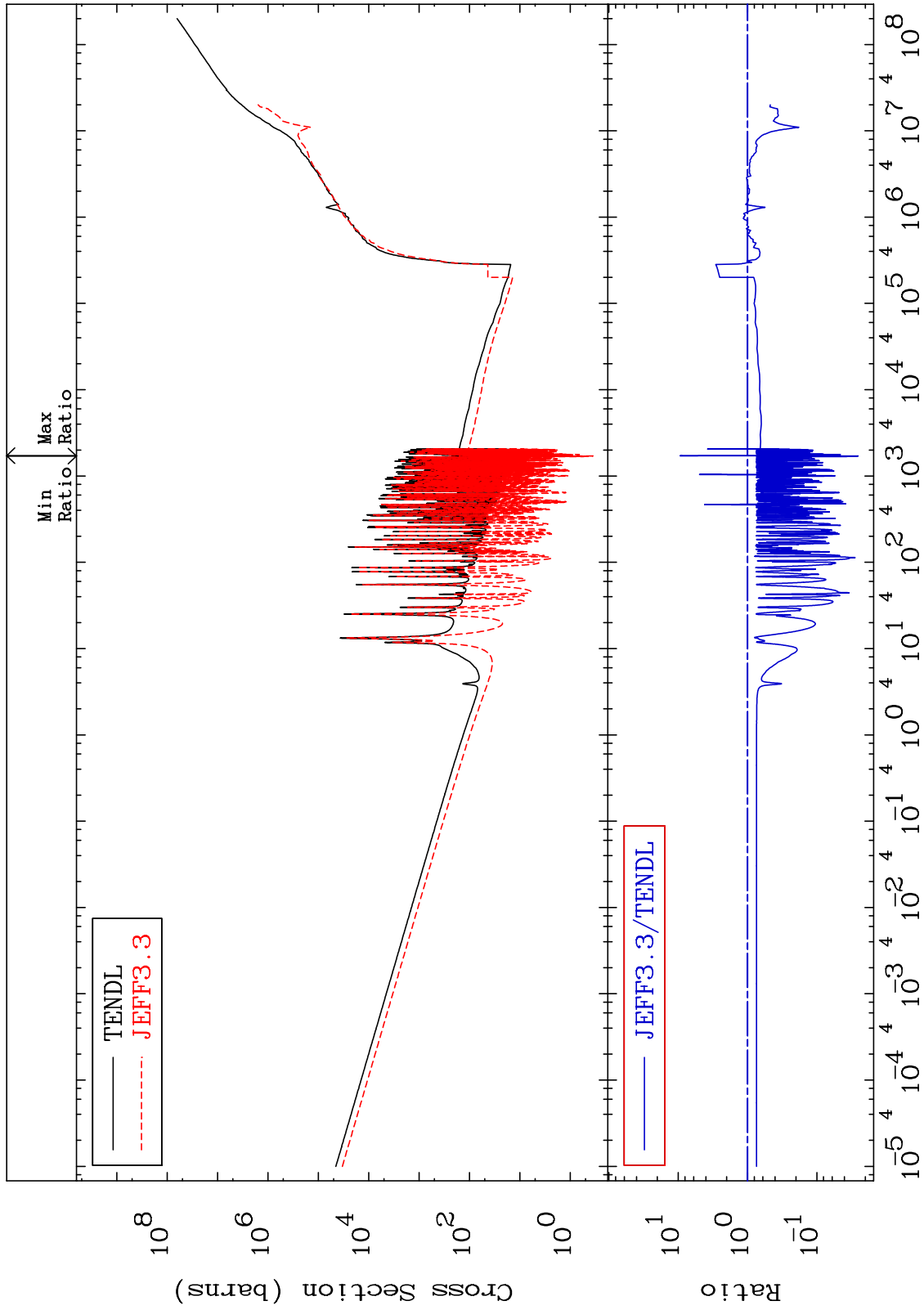
46-Pd-105
-49.61 To 1376. %



MAT 4634

Kerma non-elastic (all but mt2)
Cross Section

46-Pd-105
-97.49 To 841.8 %



34

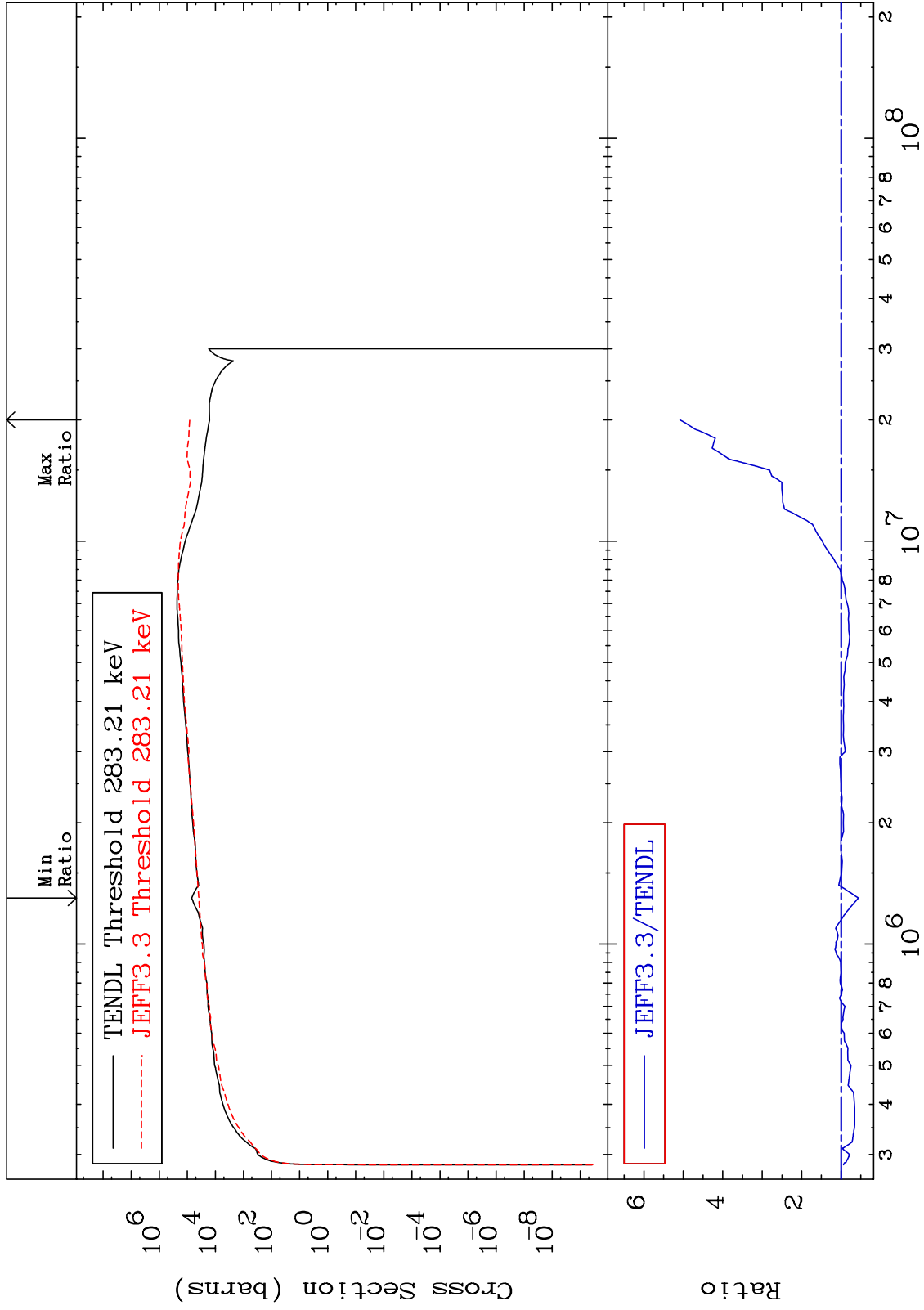
Incident Energy (eV)

46-Pd-105

MAT 4634

Kerma inelastic (mt51-91)
Cross Section

46-Pd-105
-43.94 To 408.3 %



35

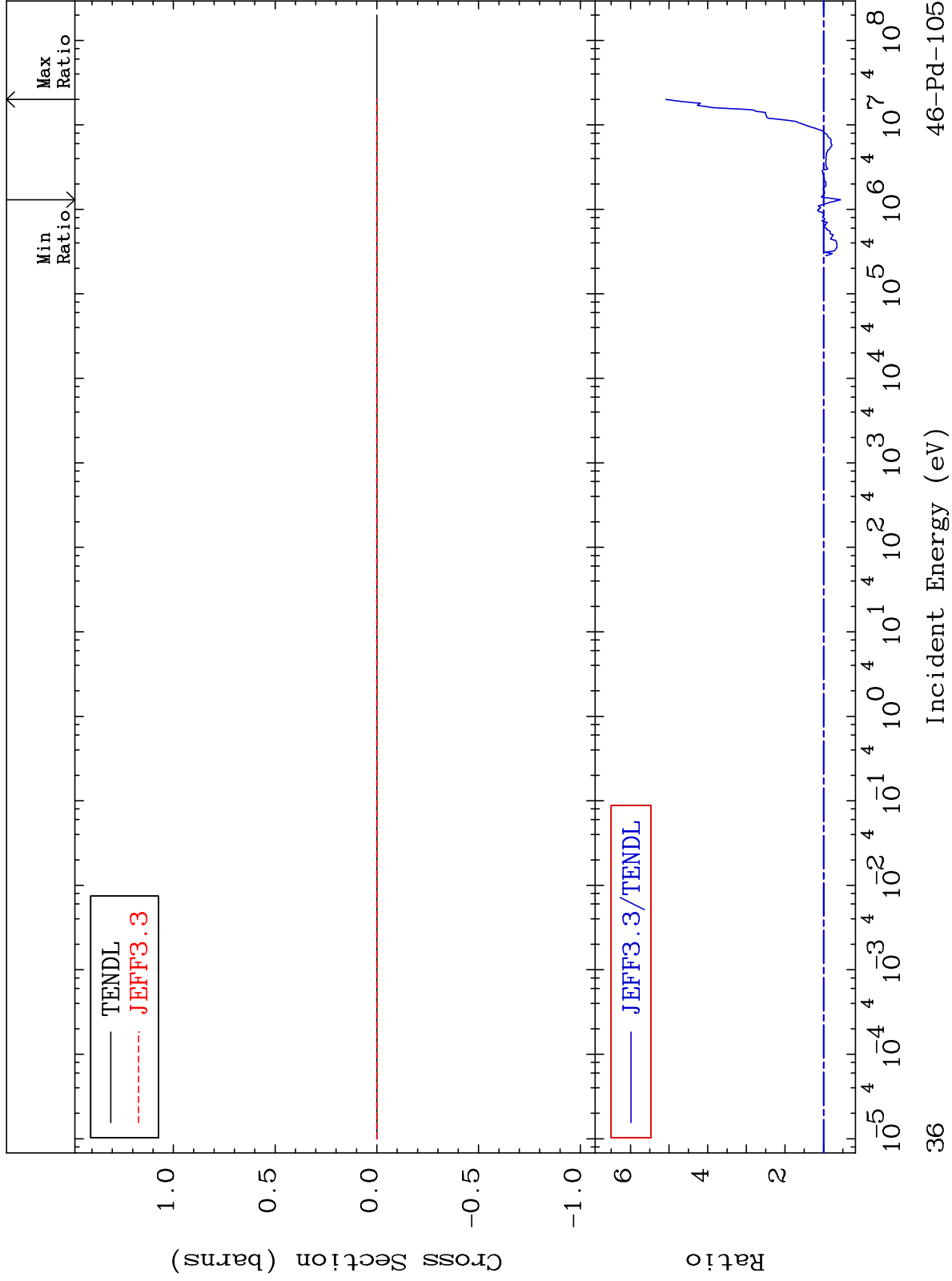
Incident Energy (eV)

46-Pd-105

MAT 4634

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

46-Pd-105
-43.94 To 408.3 %

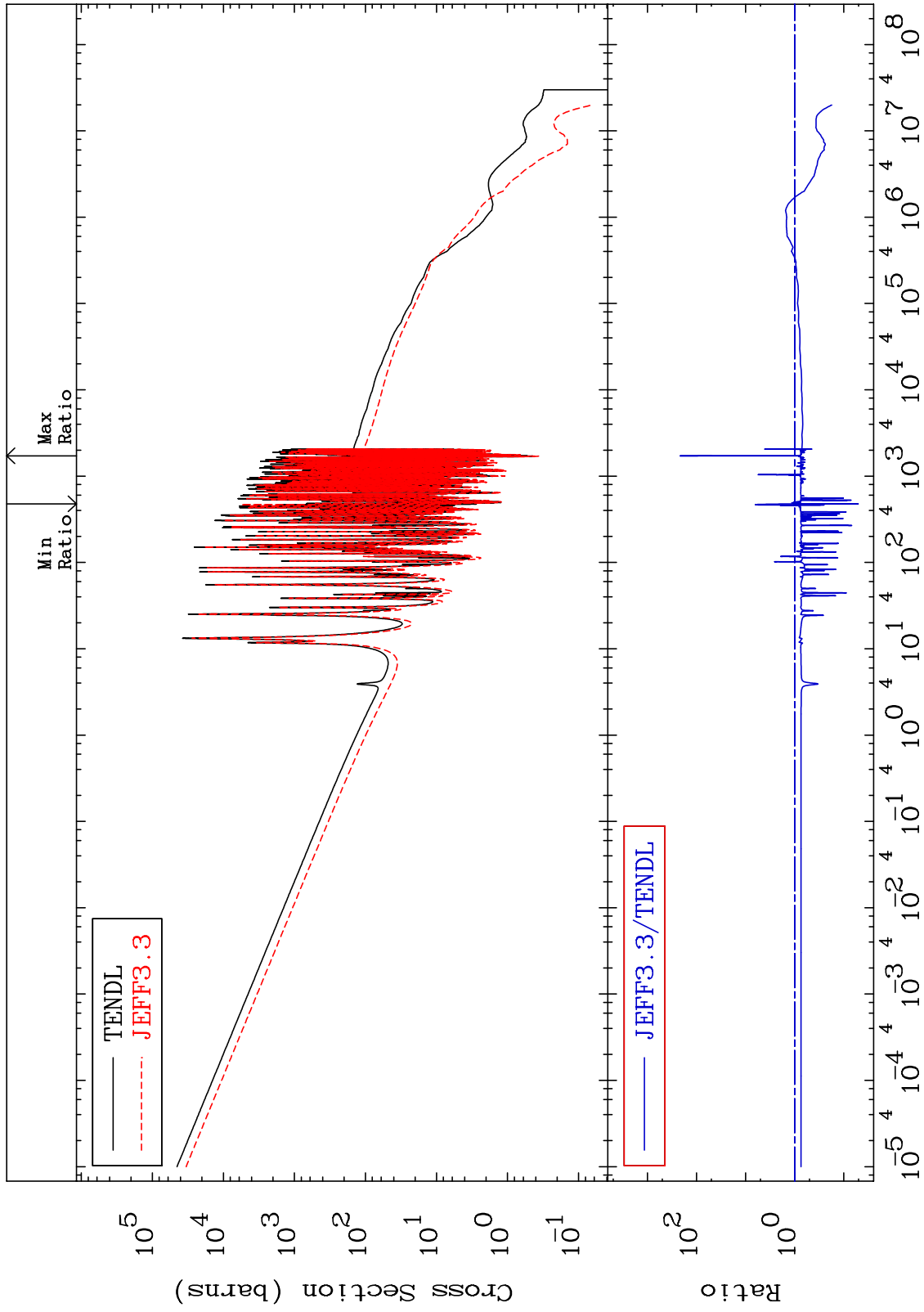


46-Pd-105

MAT 4634

Kerma capture (mt102)
Cross Section

46-Pd-105
-94.97 To 9999. %



37

Incident Energy (eV)

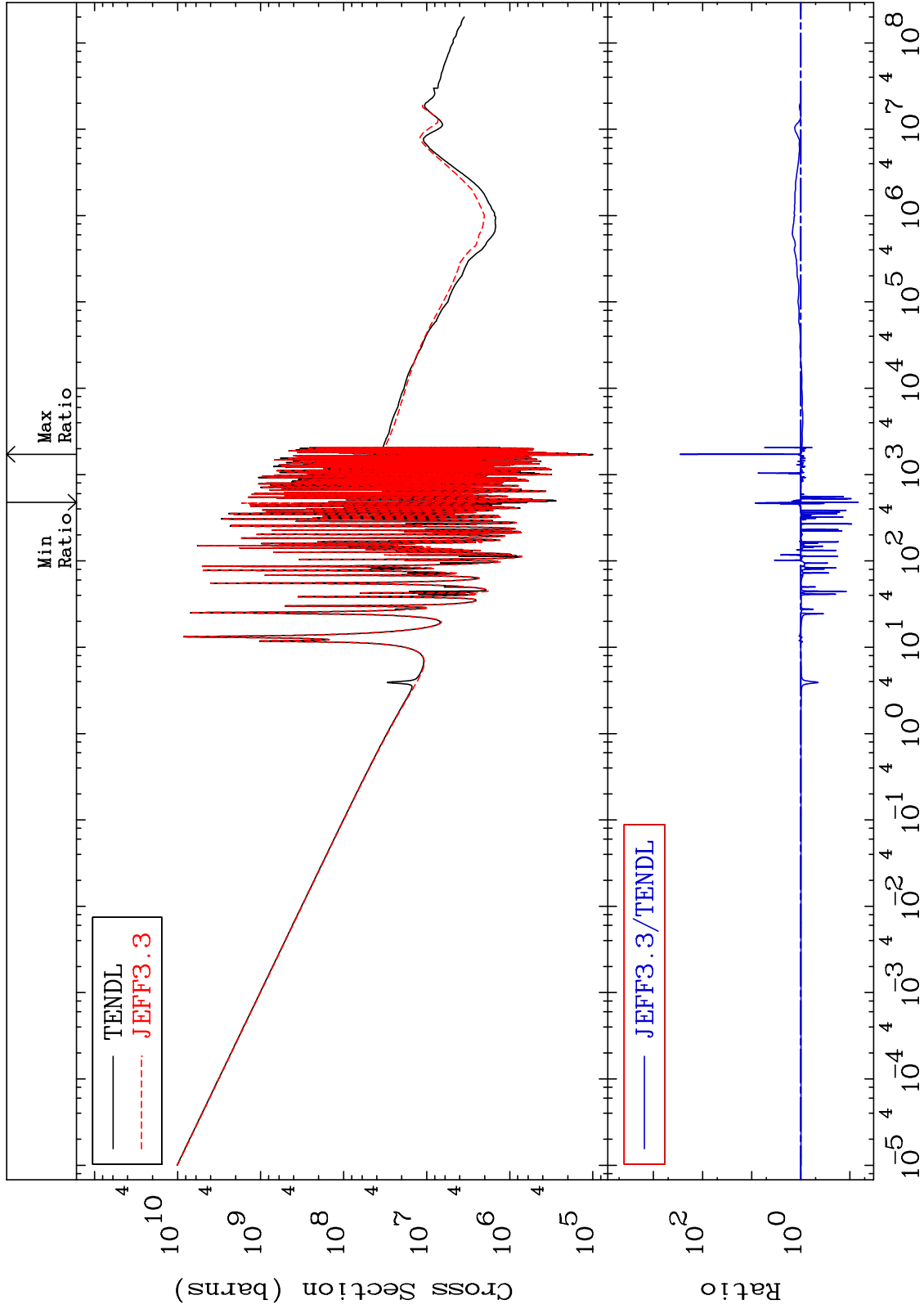
46-Pd-105

MAT 4634

Total photon (eV-barns)
Cross Section

46-Pd-105

-93.31 To 9999. %



38

Incident Energy (eV)

46-Pd-105

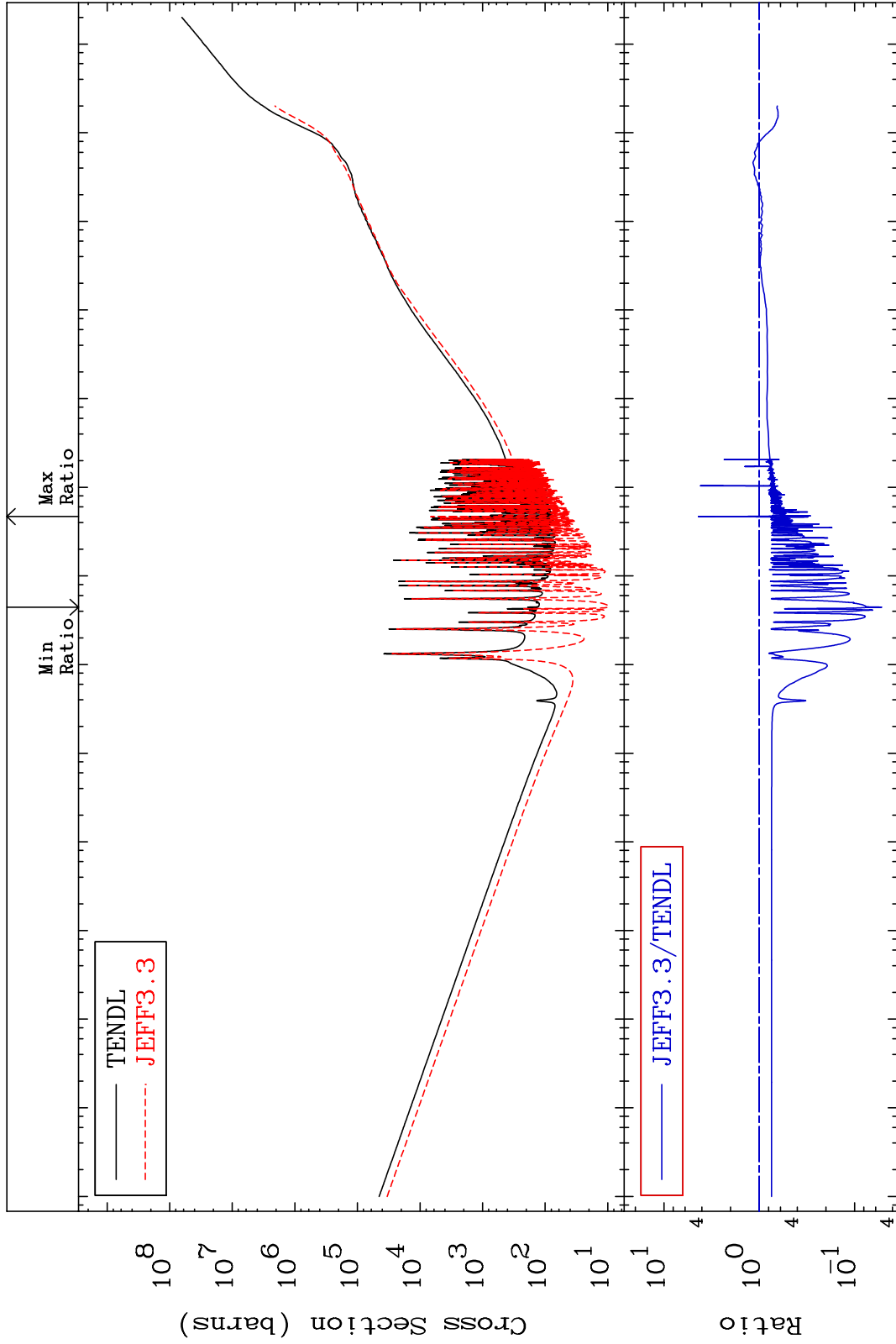
MAT 4634

Total kinematic kerma (high limit)

46-Pd-105

-94.78 To 335.9 %

Cross Section

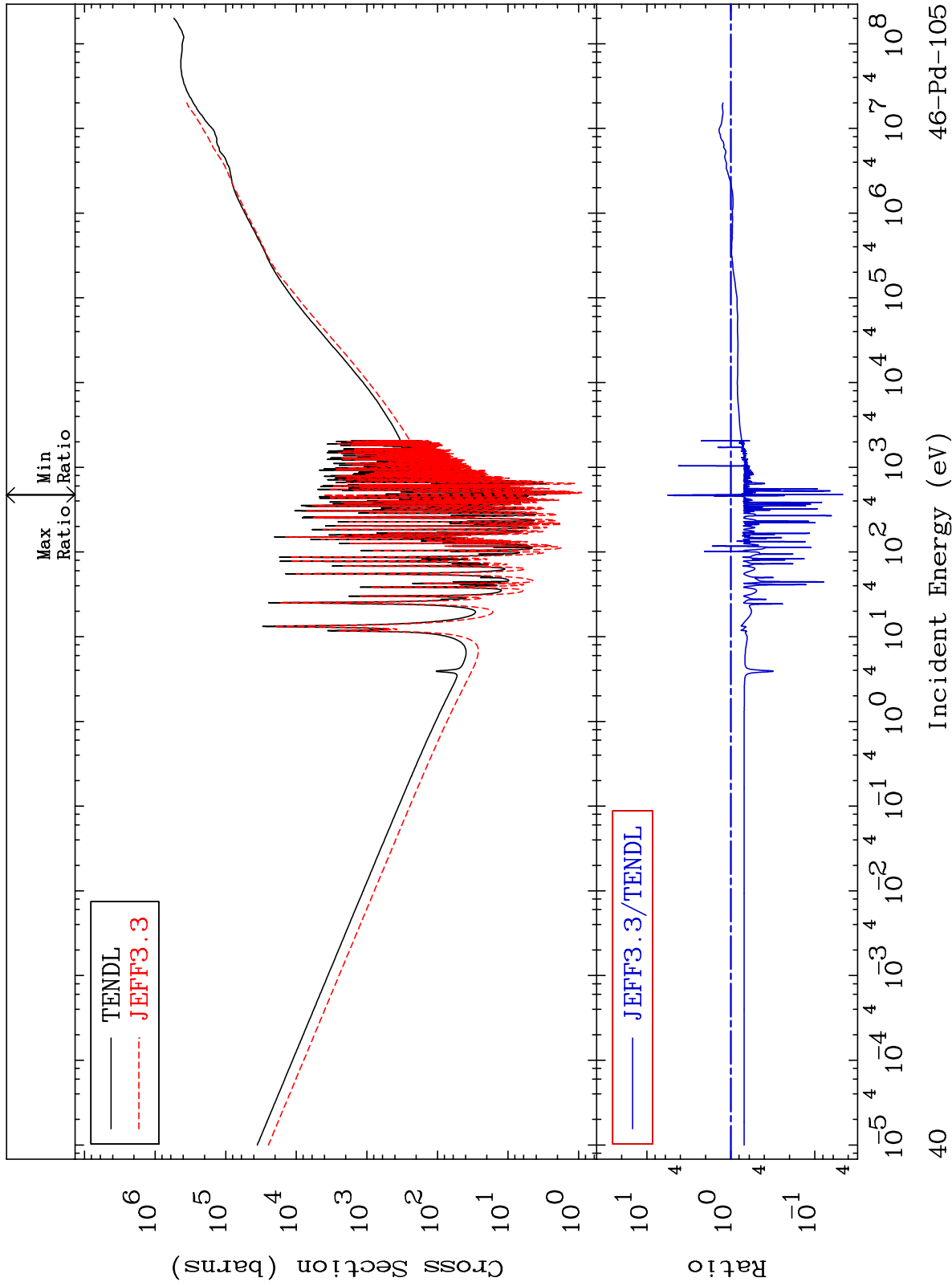


Incident Energy (eV) 46-Pd-105

MAT 4634

Dpa total (eV-barns)
Cross Section

46-Pd-105
-95.36 To 466.4 %



40

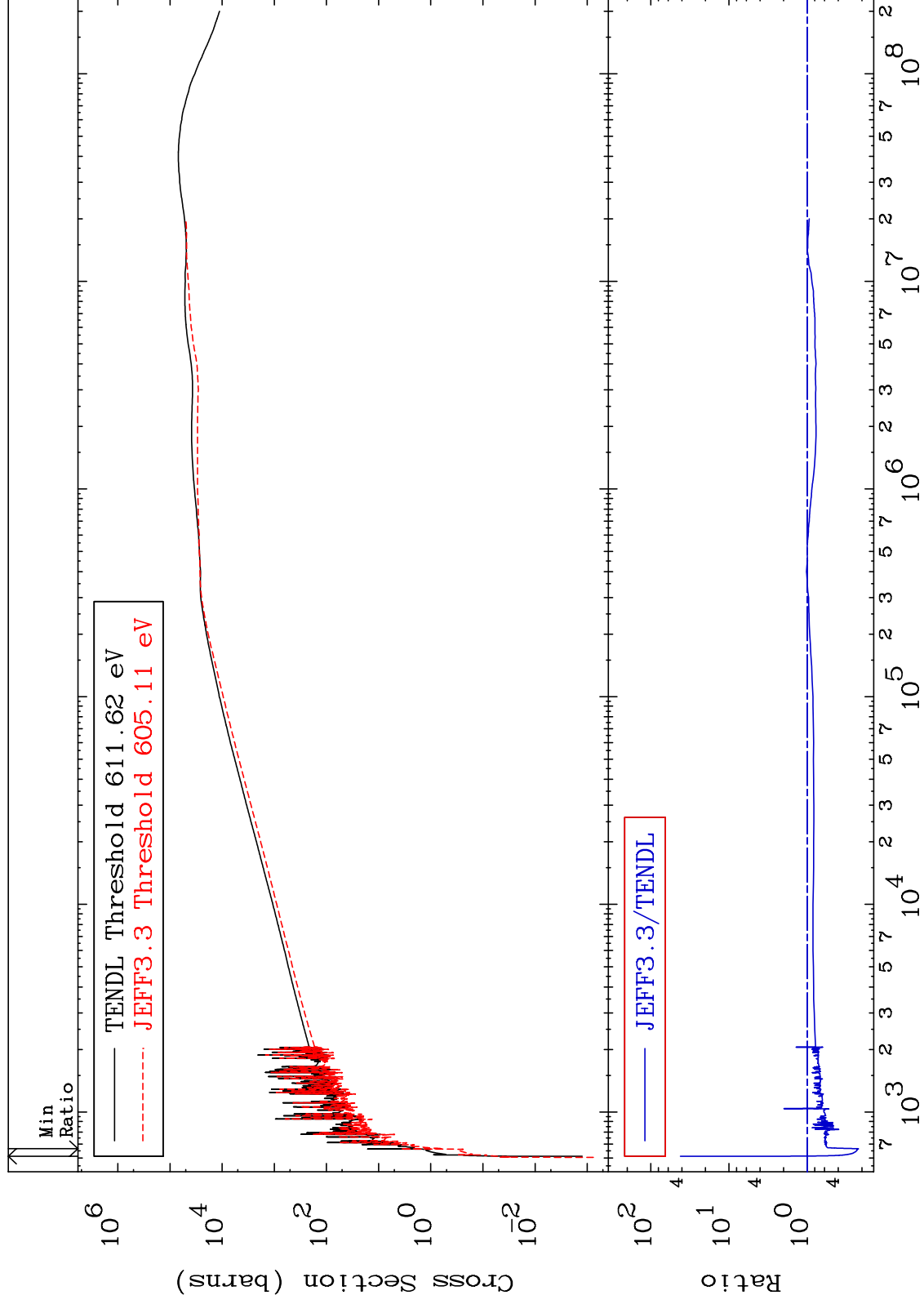
Incident Energy (eV)

46-Pd-105

MAT 4634

Dpa elastic (mt2)
Cross Section

46-Pd-105
-77.93 To 4080. %



41

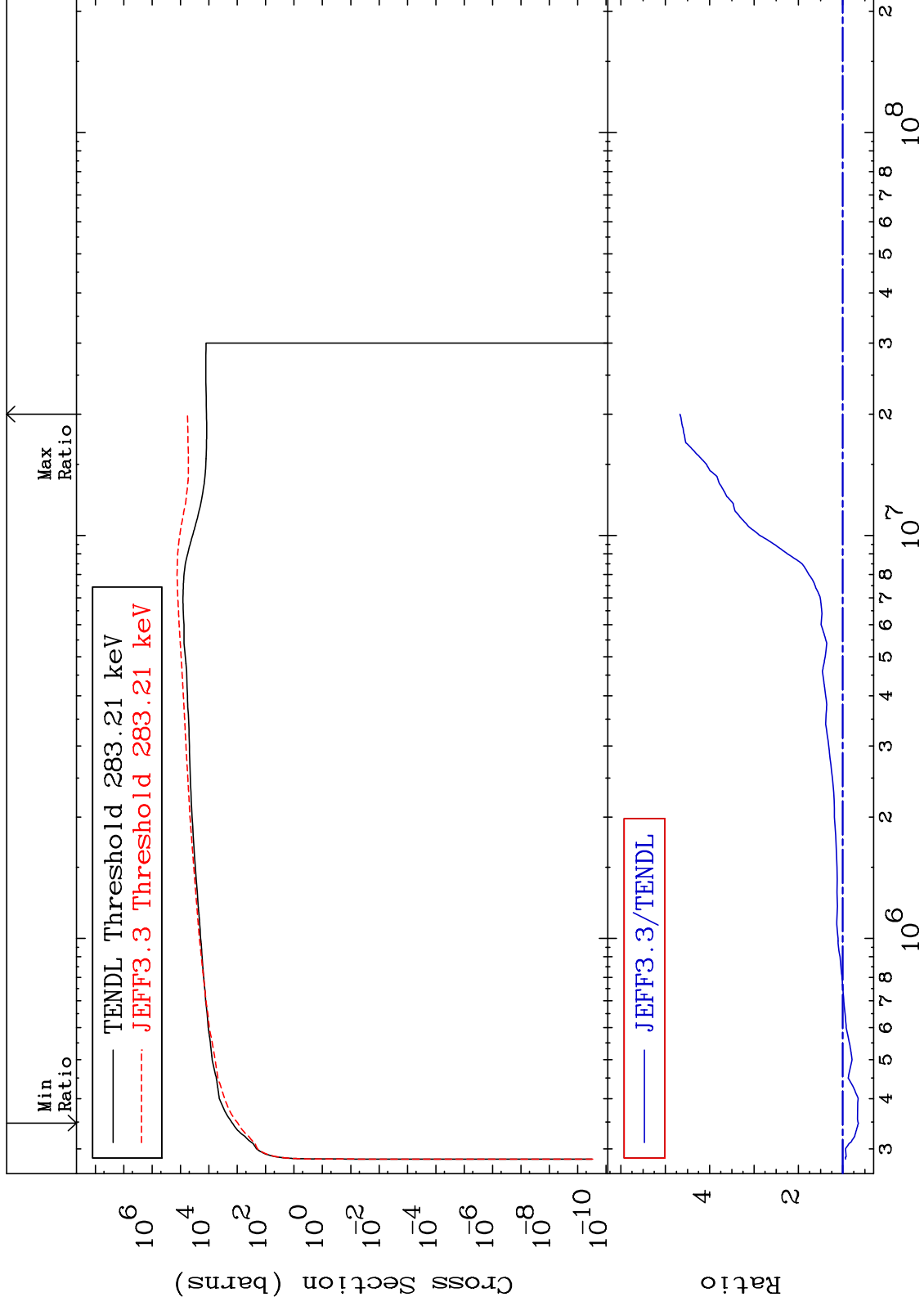
Incident Energy (eV)

46-Pd-105

MAT 4634

Dpa inelastic (mt51-91)
Cross Section

46-Pd-105
-35.31 To 366.8 %



42

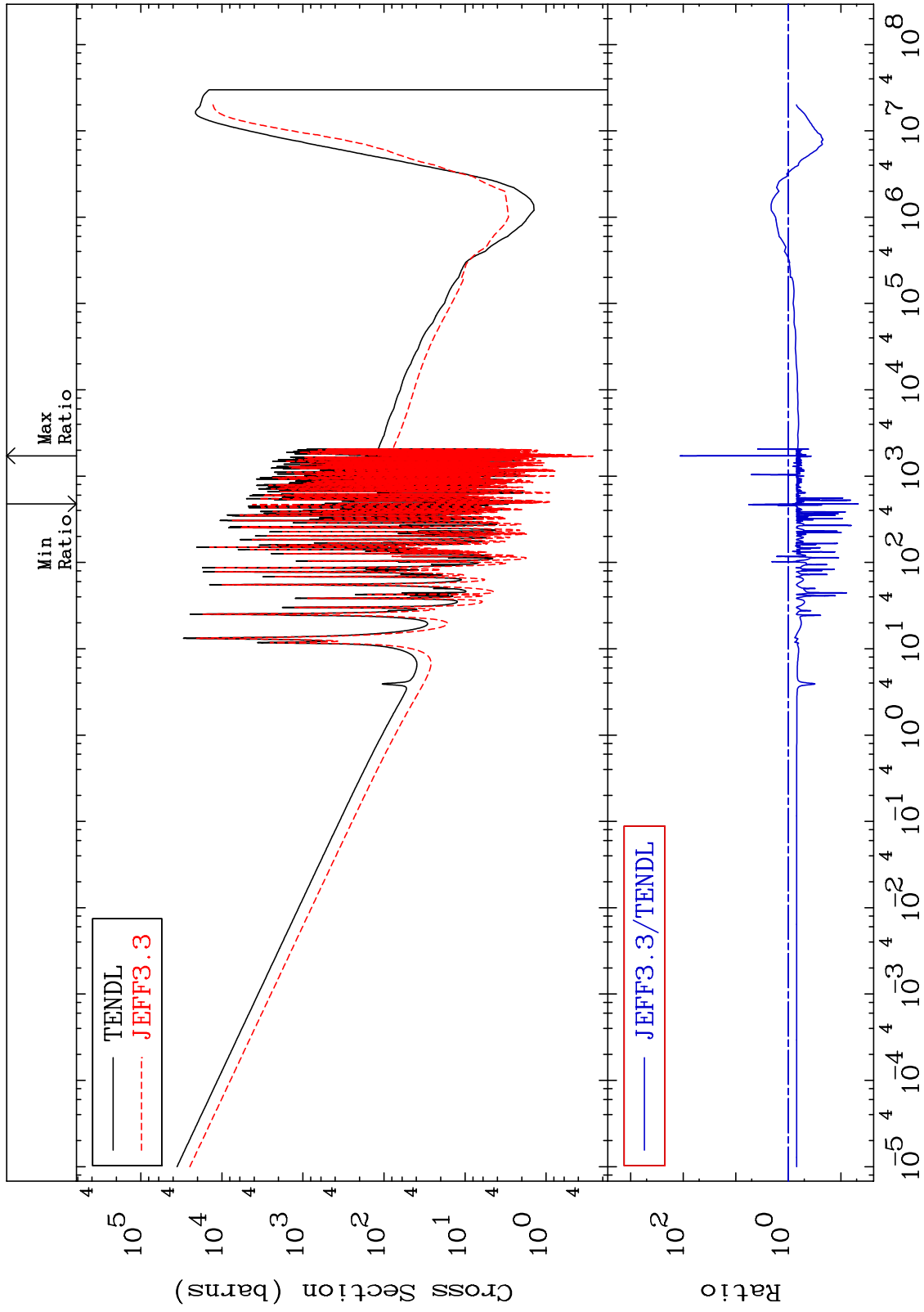
Incident Energy (eV)

46-Pd-105

MAT 4634

Dpa disappearance (mt102 -120)
Cross Section

46-Pd-105
-95.36 To 9999. %



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Incident Energy (eV)

46-Pd-105