

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

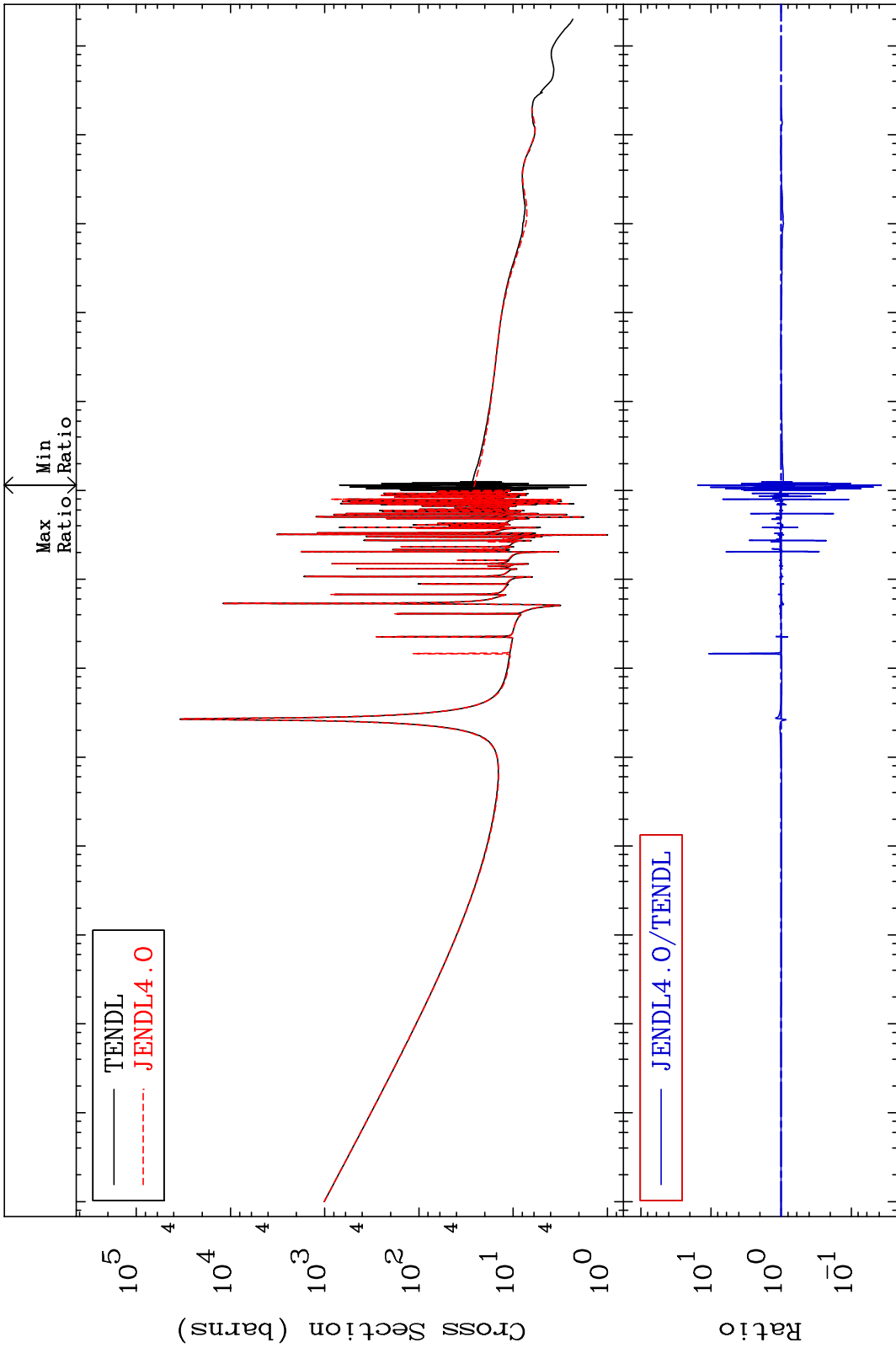
MAT 9446

Total

94-Pu-242

-96.29 To 1442. %

Cross Section



Incident Energy (eV)

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

10⁵ 10⁴ 10³ 10² 10¹ 10⁰

10¹ 10⁰ 10⁻¹

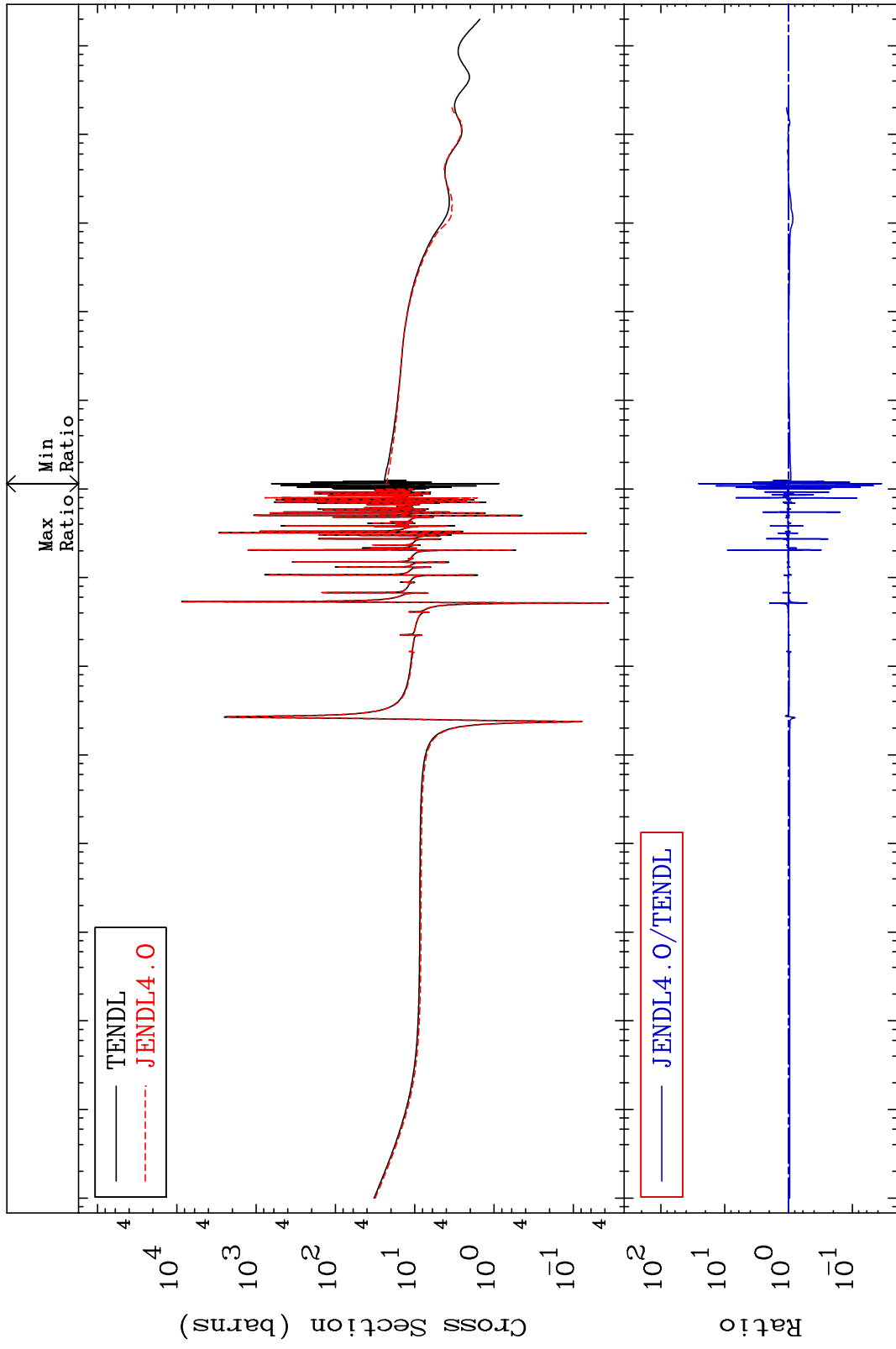
94-Pu-242

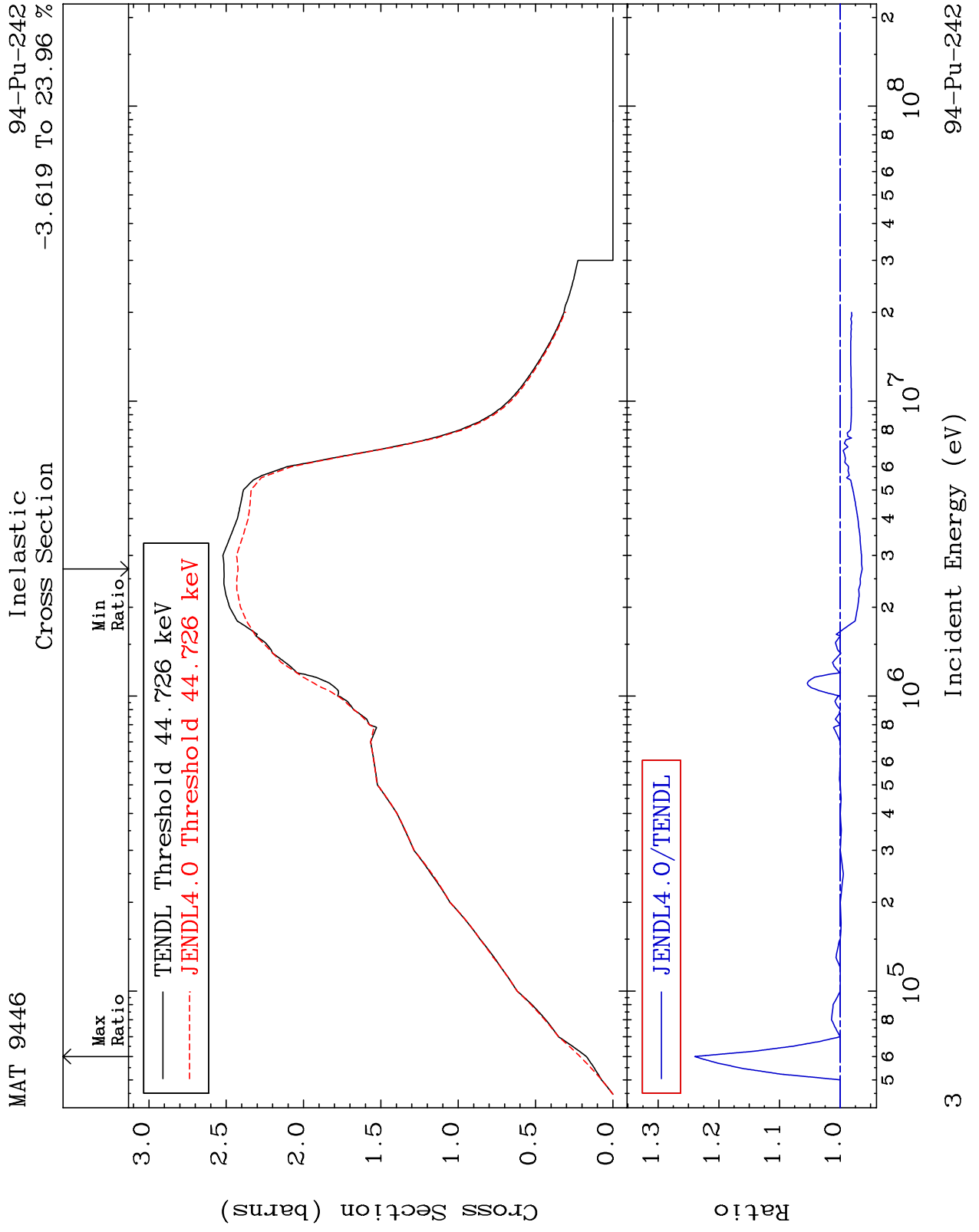
MAT 9446

Elastic

94-Pu-242

Cross Section -96.49 To 2490. %





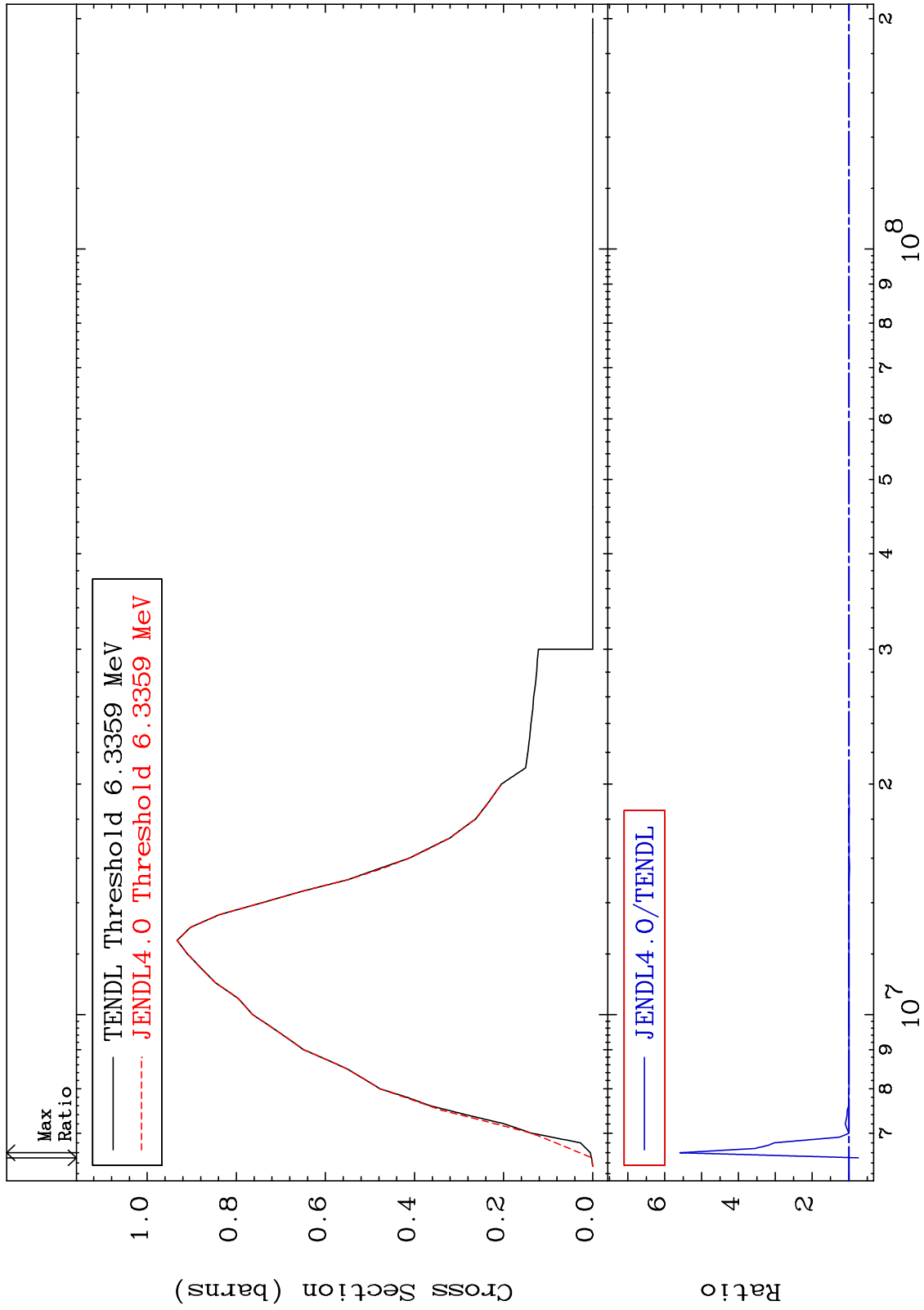
MAT 9446

(n,2n)

94-Pu-242

Cross Section

-25.61 To 458.4 %



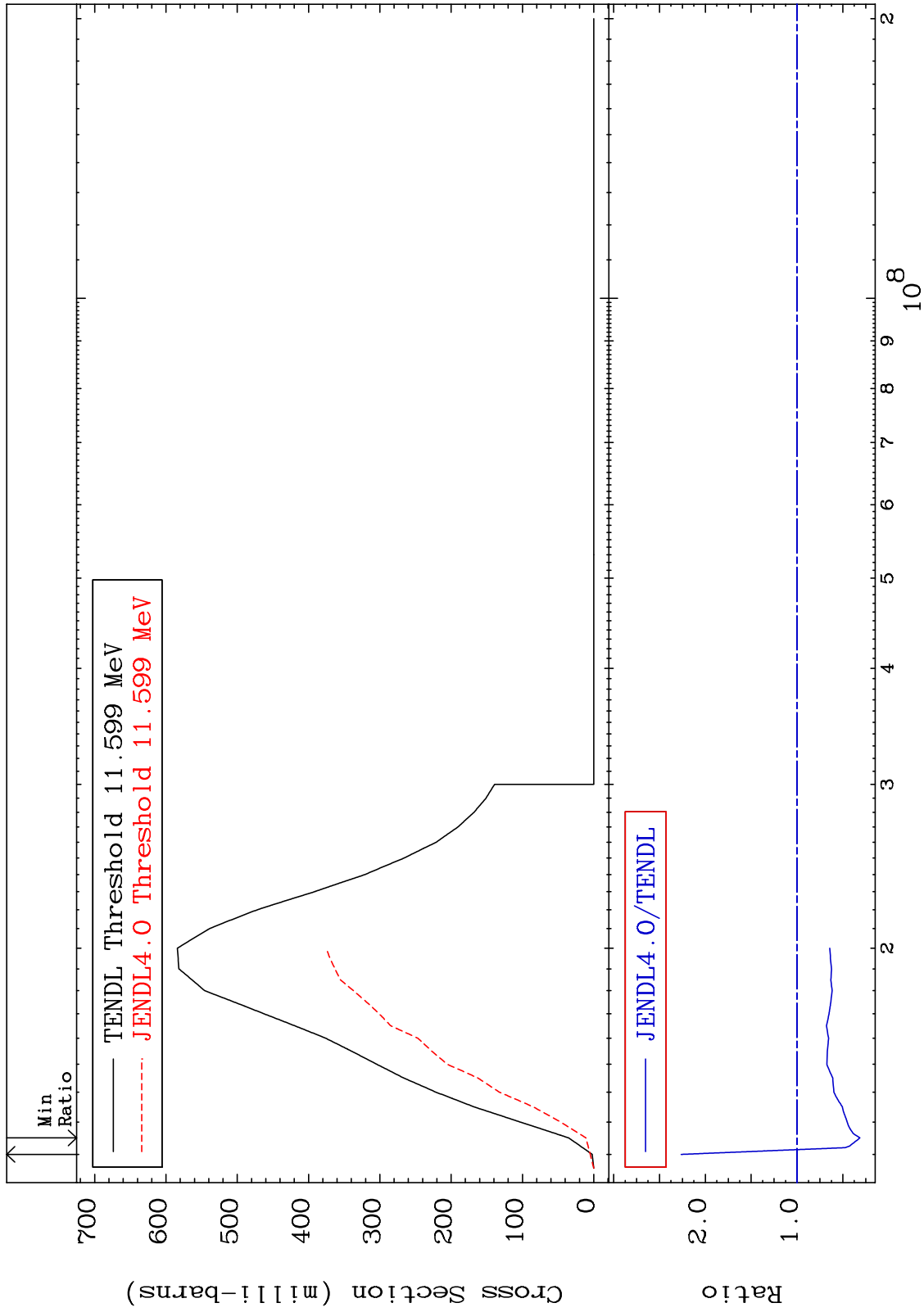
MAT 9446

(n, 3n)

94-Pu-242

Cross Section

-68.64 To 126.3 %



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Incident Energy (eV)

94-Pu-242

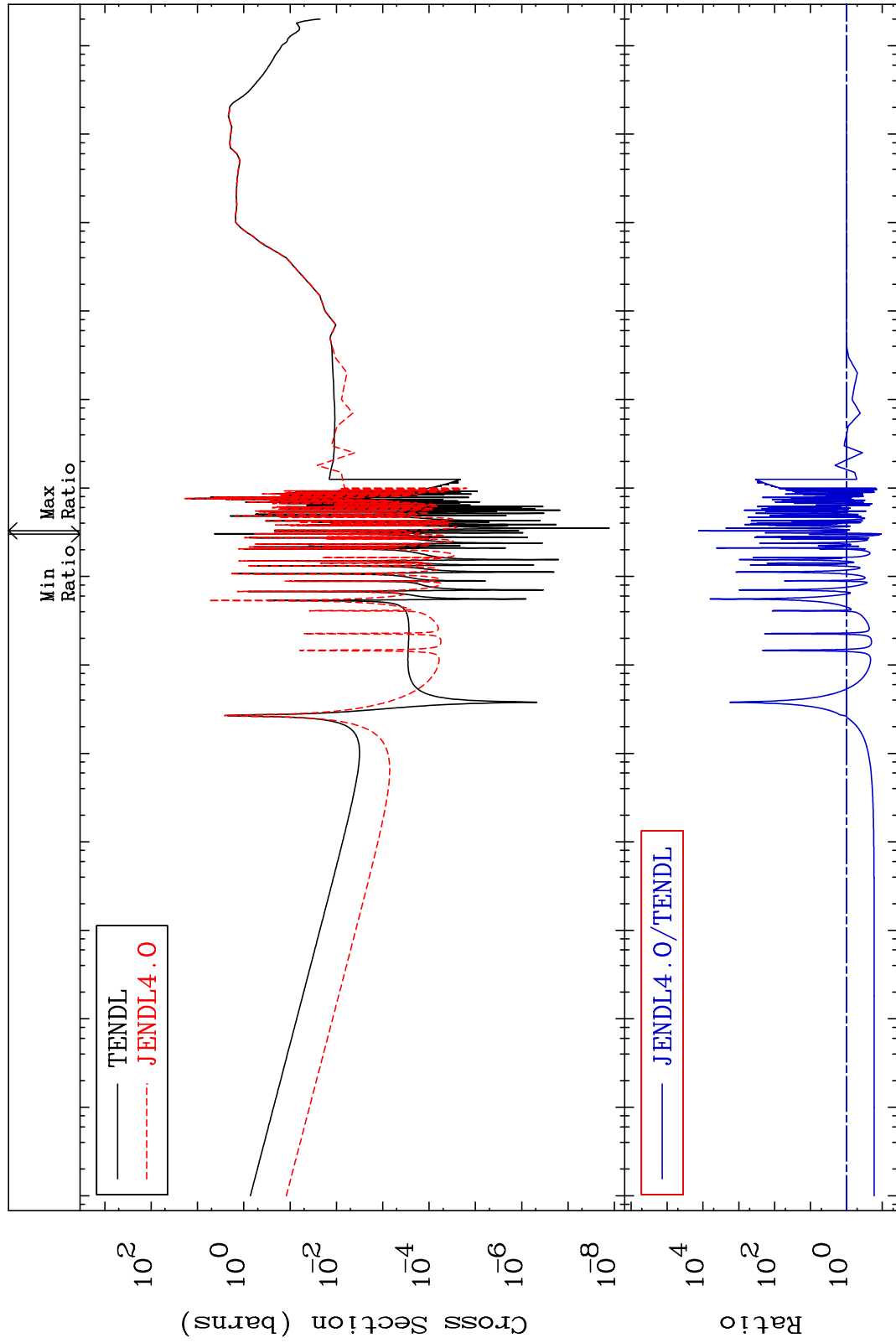
MAT 9446

Fission

94-Pu-242

Cross Section

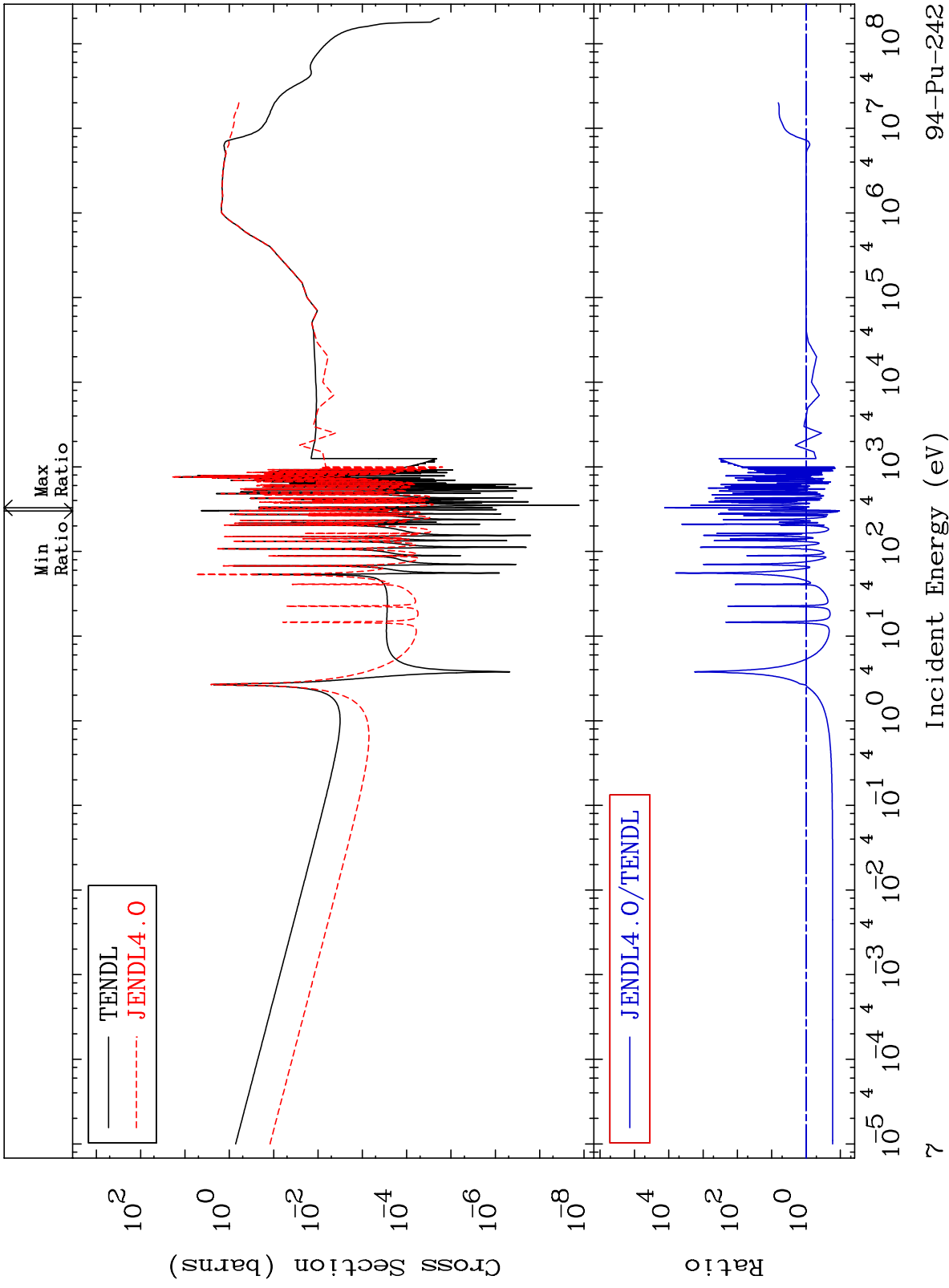
-89.55 To 9999. %



MAT 9446

(n,f) First Chance
Cross Section

94-Pu-242
-89.55 To 9999. %

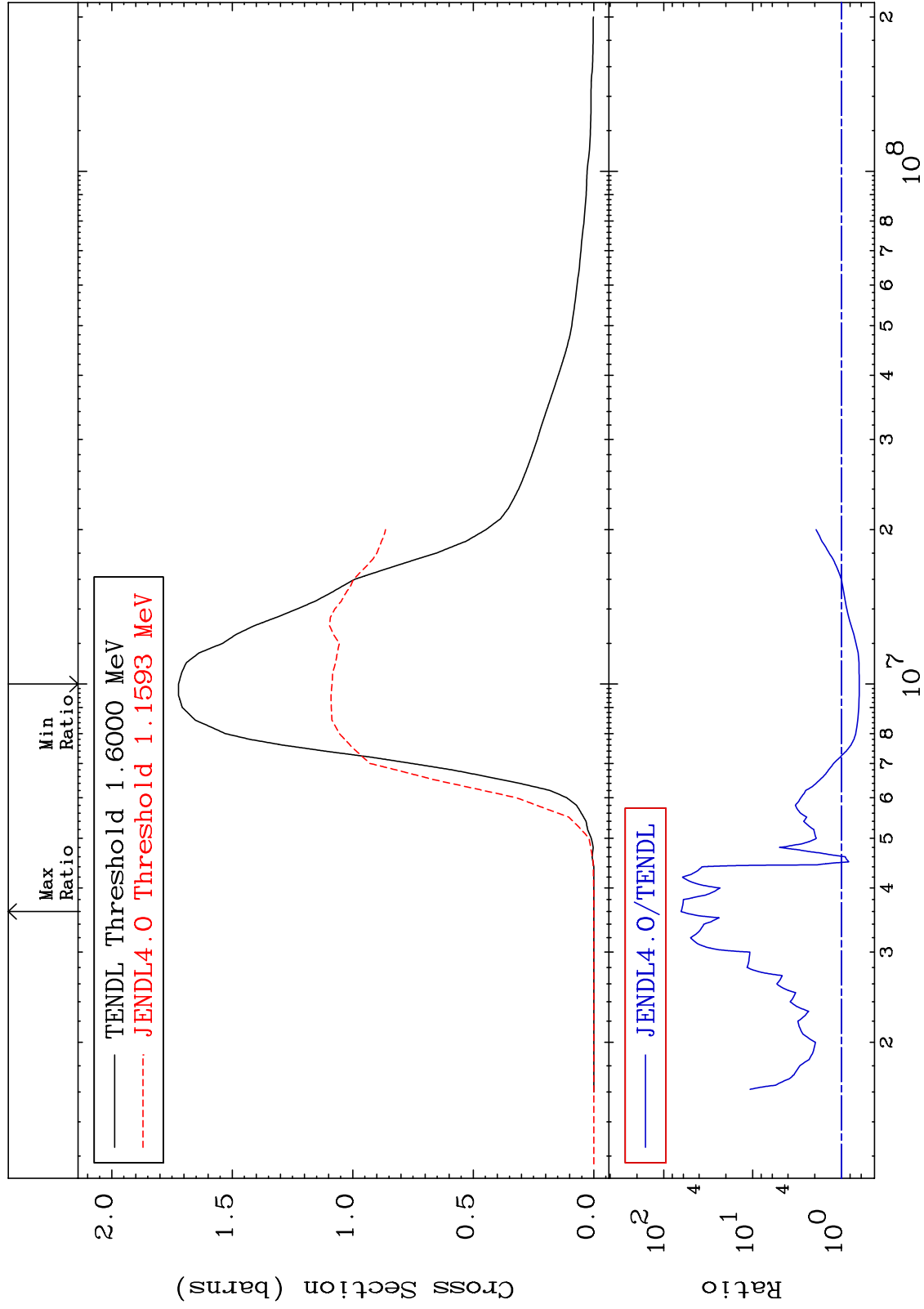


94-Pu-242

MAT 9446

(n, nf) Second Chance
Cross Section

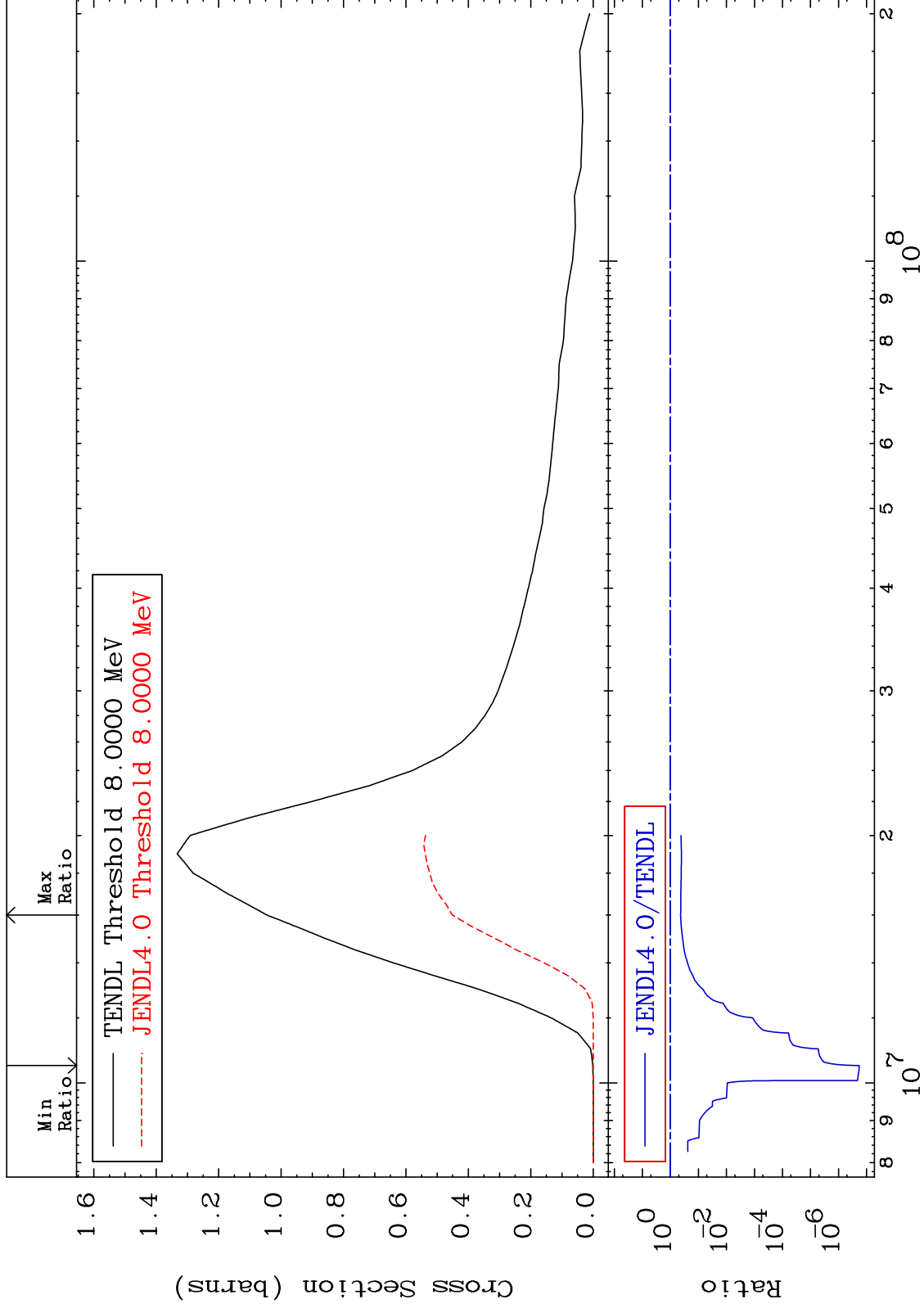
94-Pu-242
-36.95 To 6275. %



MAT 9446

(n,2nf) Third Chance
Cross Section

94-Pu-242
-100.0 To -56.84%



9

Incident Energy (eV)

94-Pu-242

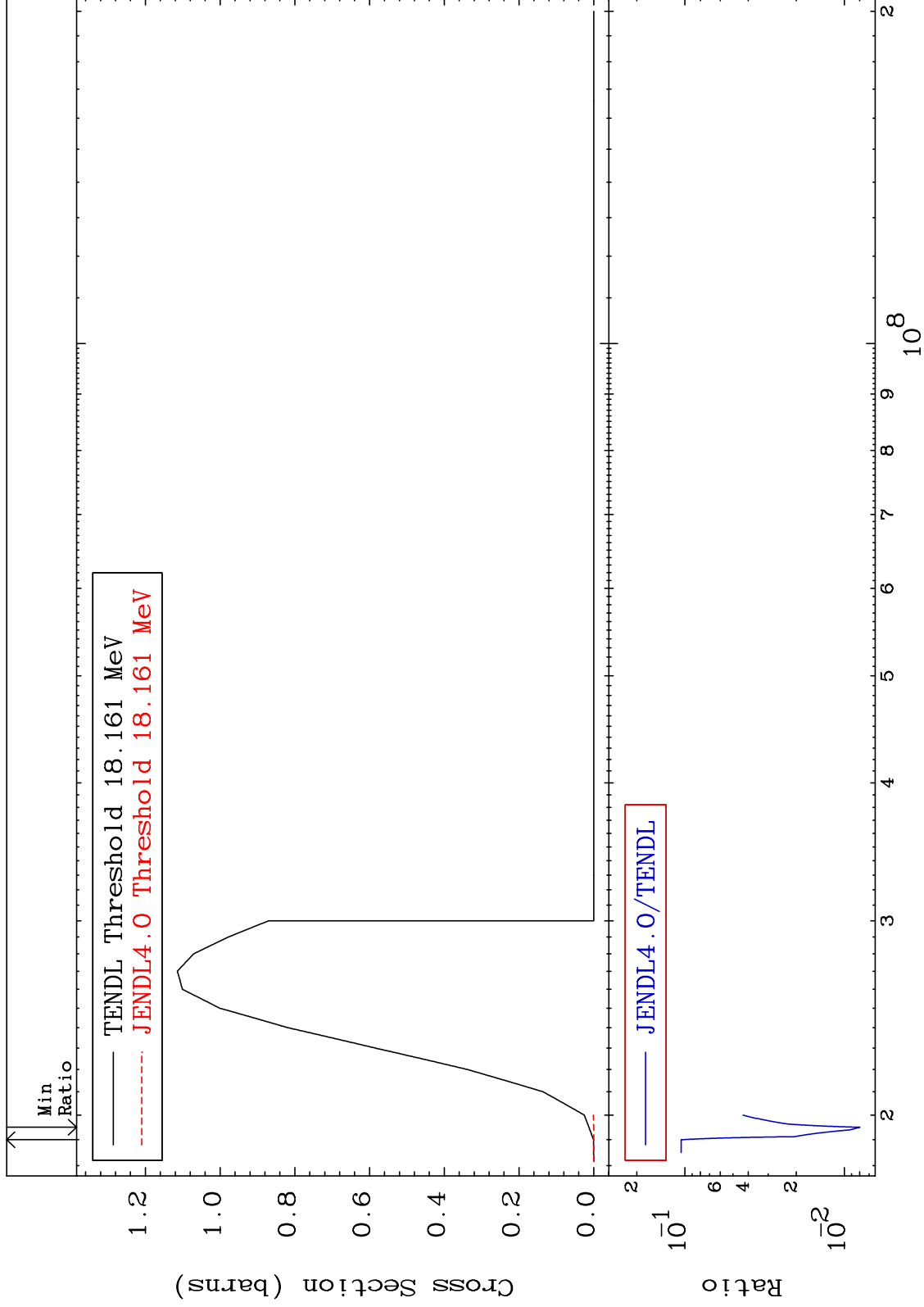
MAT 9446

(n, 4n)

94-Pu-242

Cross Section

-99.20 To -89.46%



10

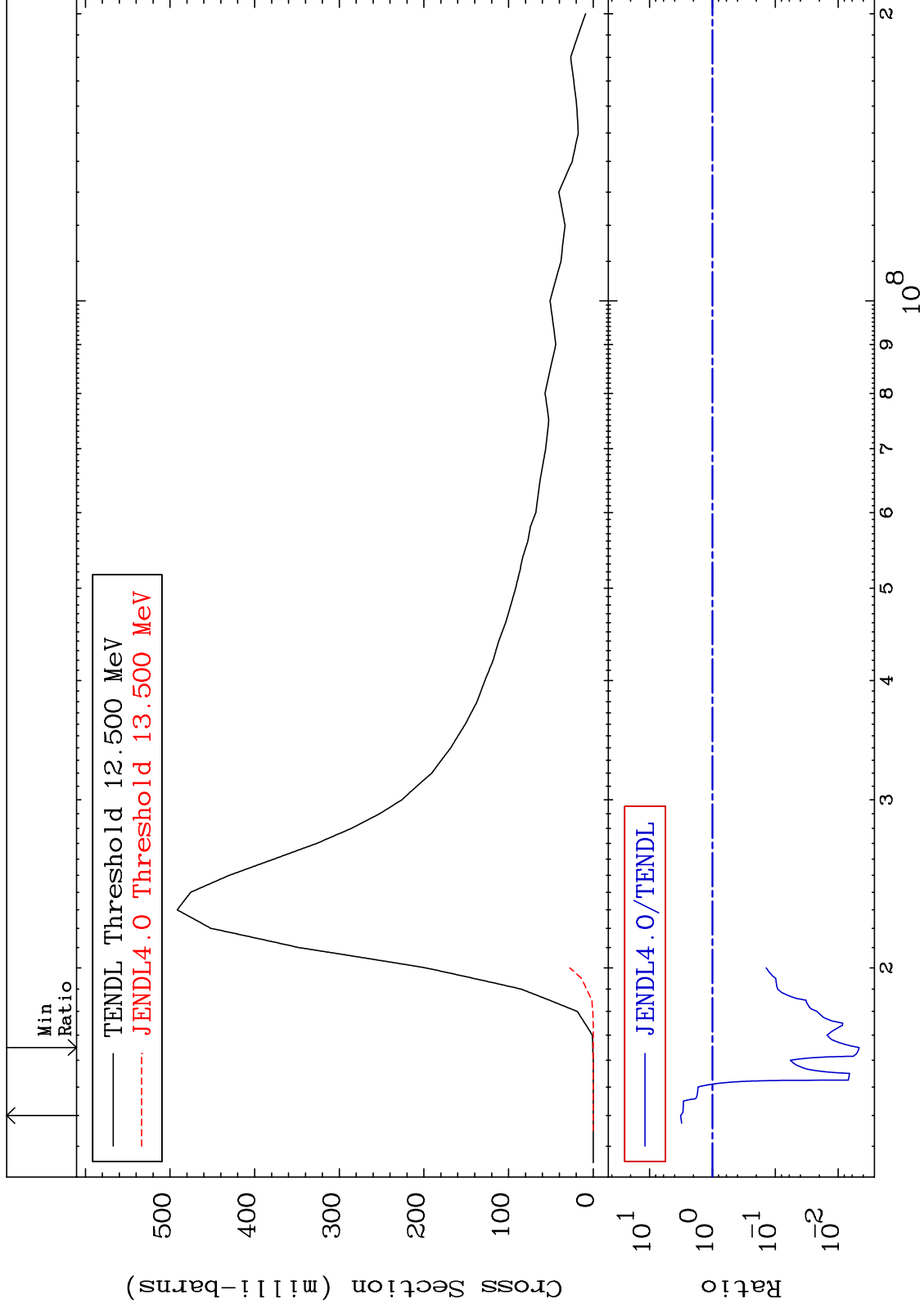
Incident Energy (eV)

94-Pu-242

MAT 9446

(n,3nf) Fourth Chance
Cross Section

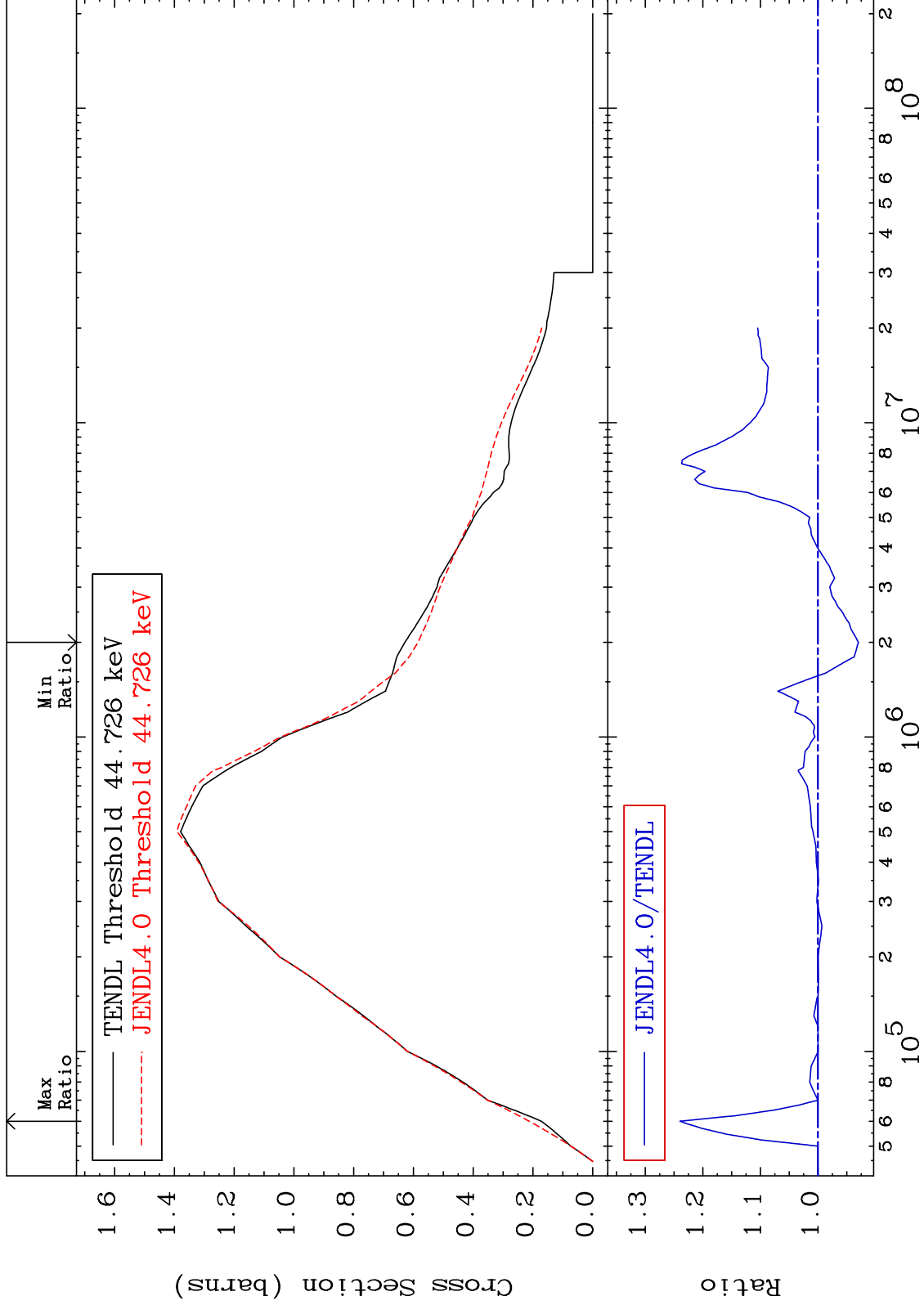
94-Pu-242
-99.54 To 220.8 %



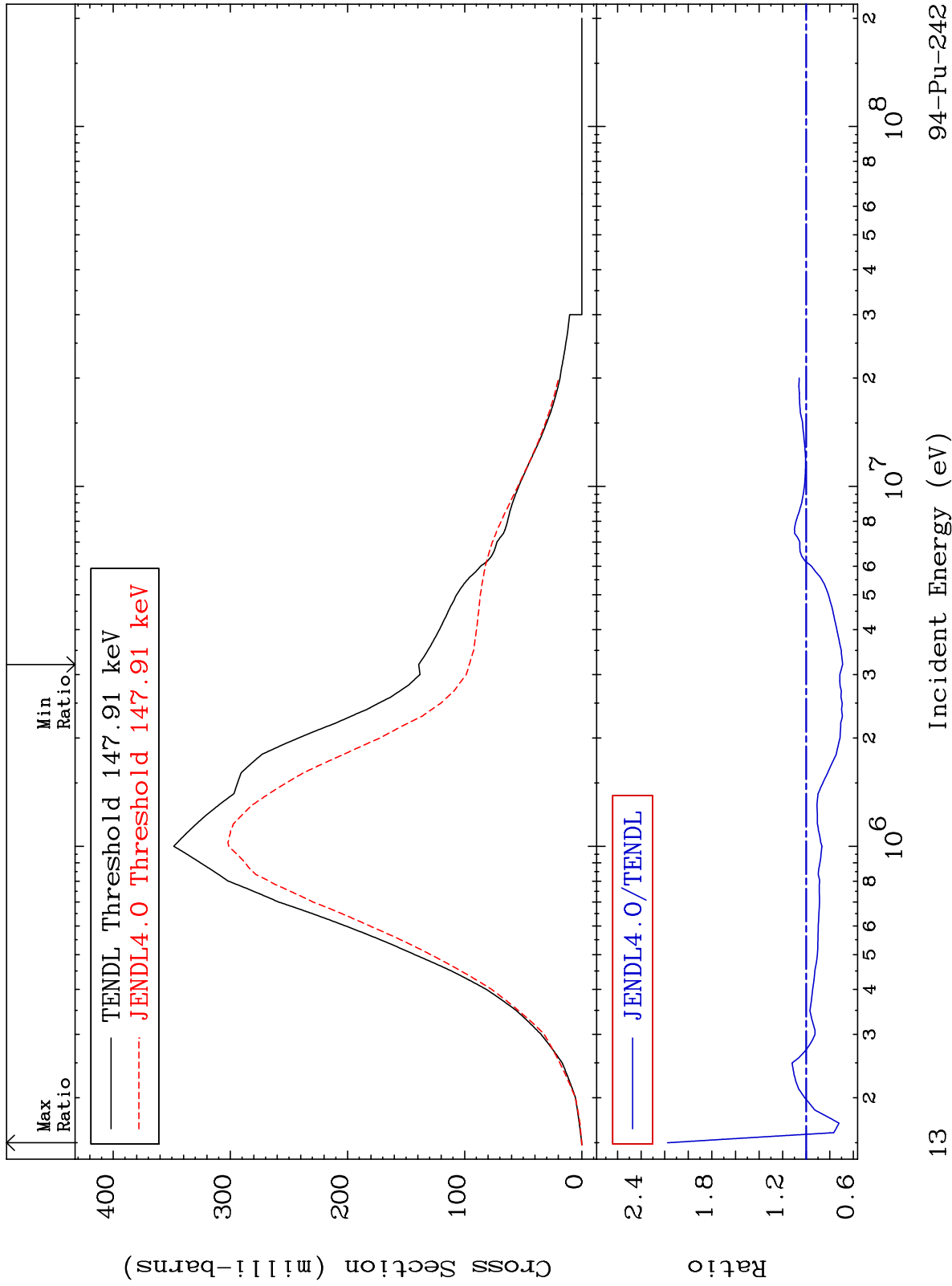
MAT 9446

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

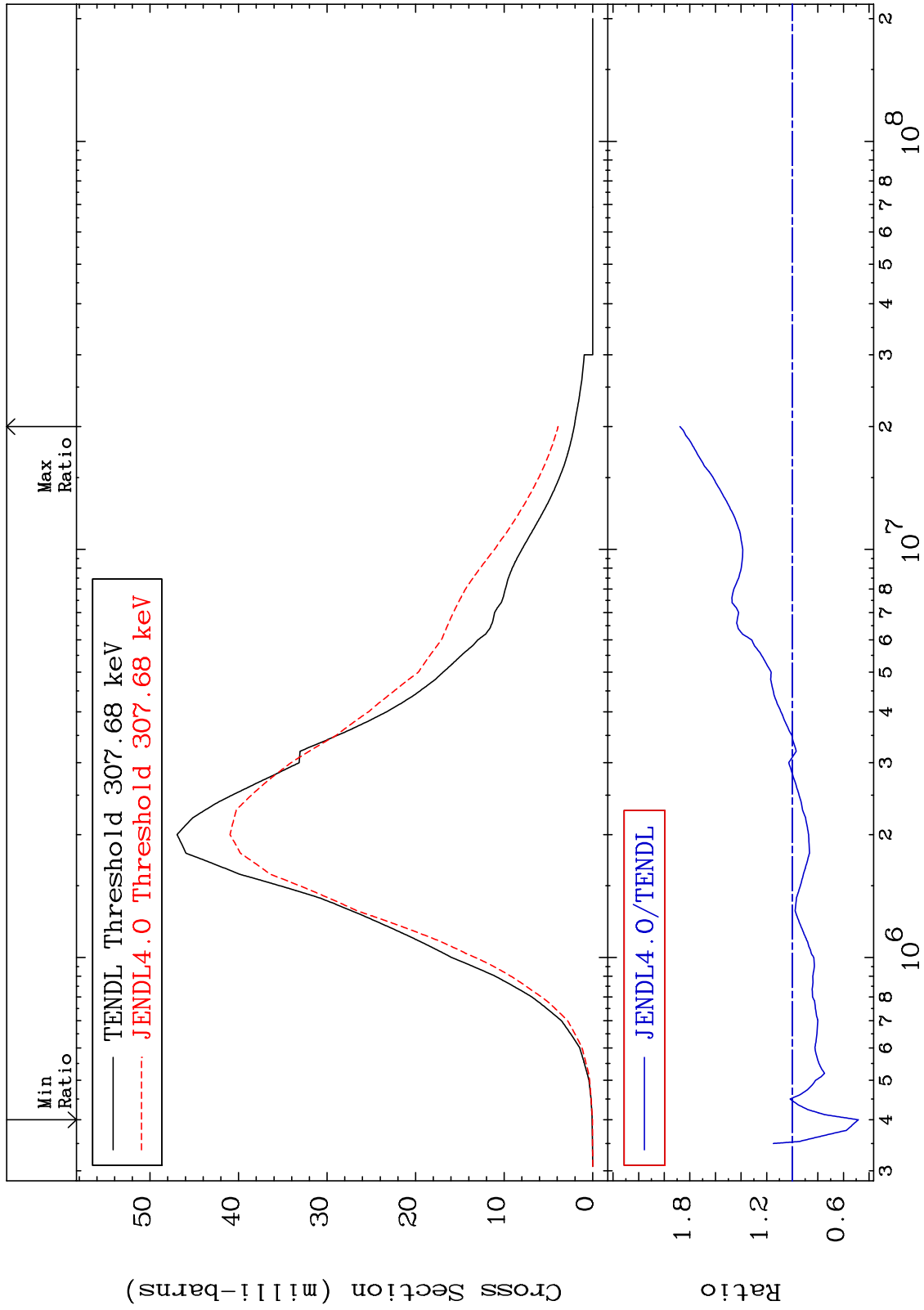
94-Pu-242
-7.033 To 23.96 %



MAT 9446 MT= 52 (n,n') Level Cross Section -31.02 To 117.7 % 94-Pu-242



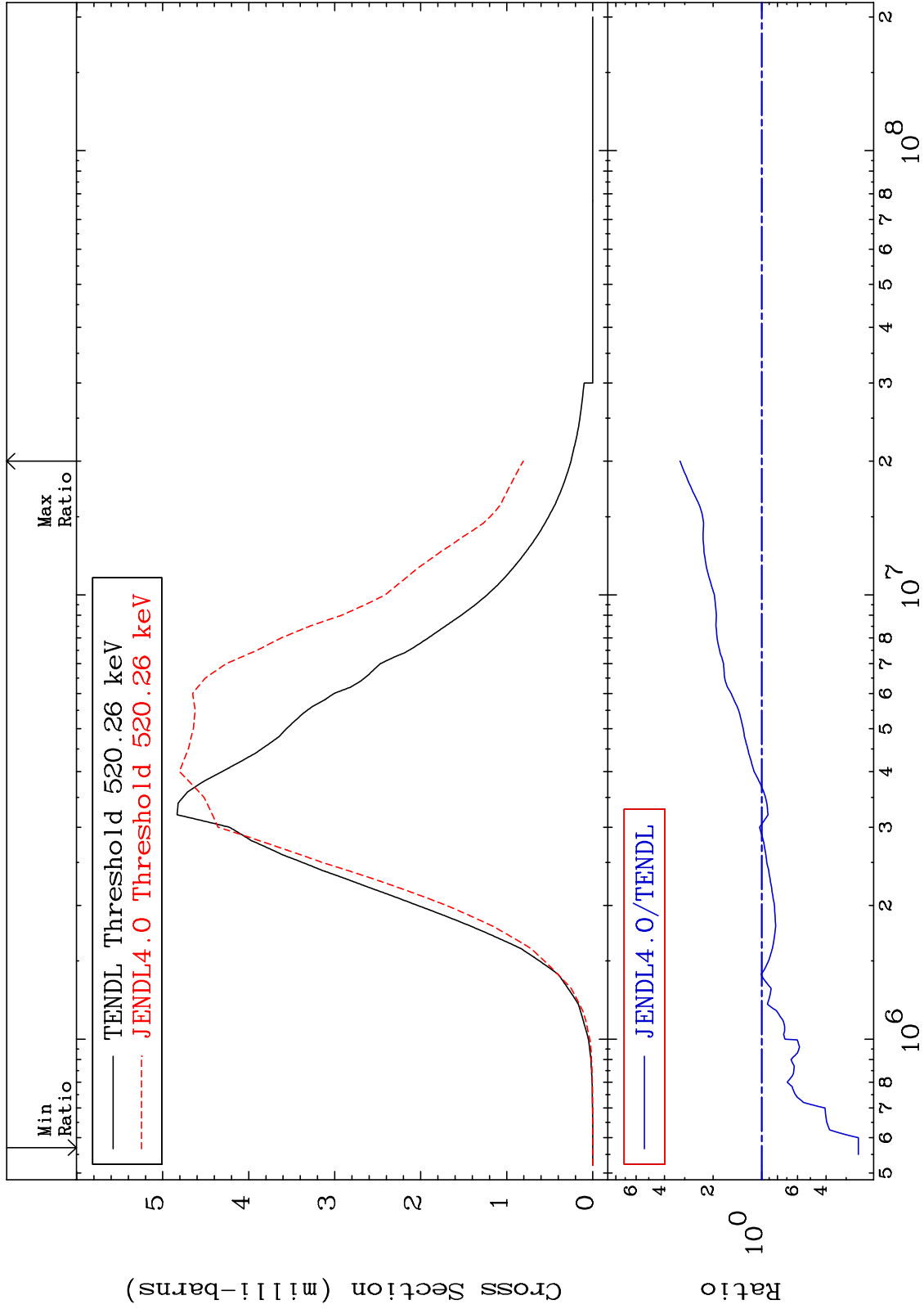
MAT 9446 MT= 53 (n,n') Level Cross Section -51.67 To 87.69 % 94-Pu-242



MAT 9446

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

94-Pu-242
-74.78 To 220.7 %



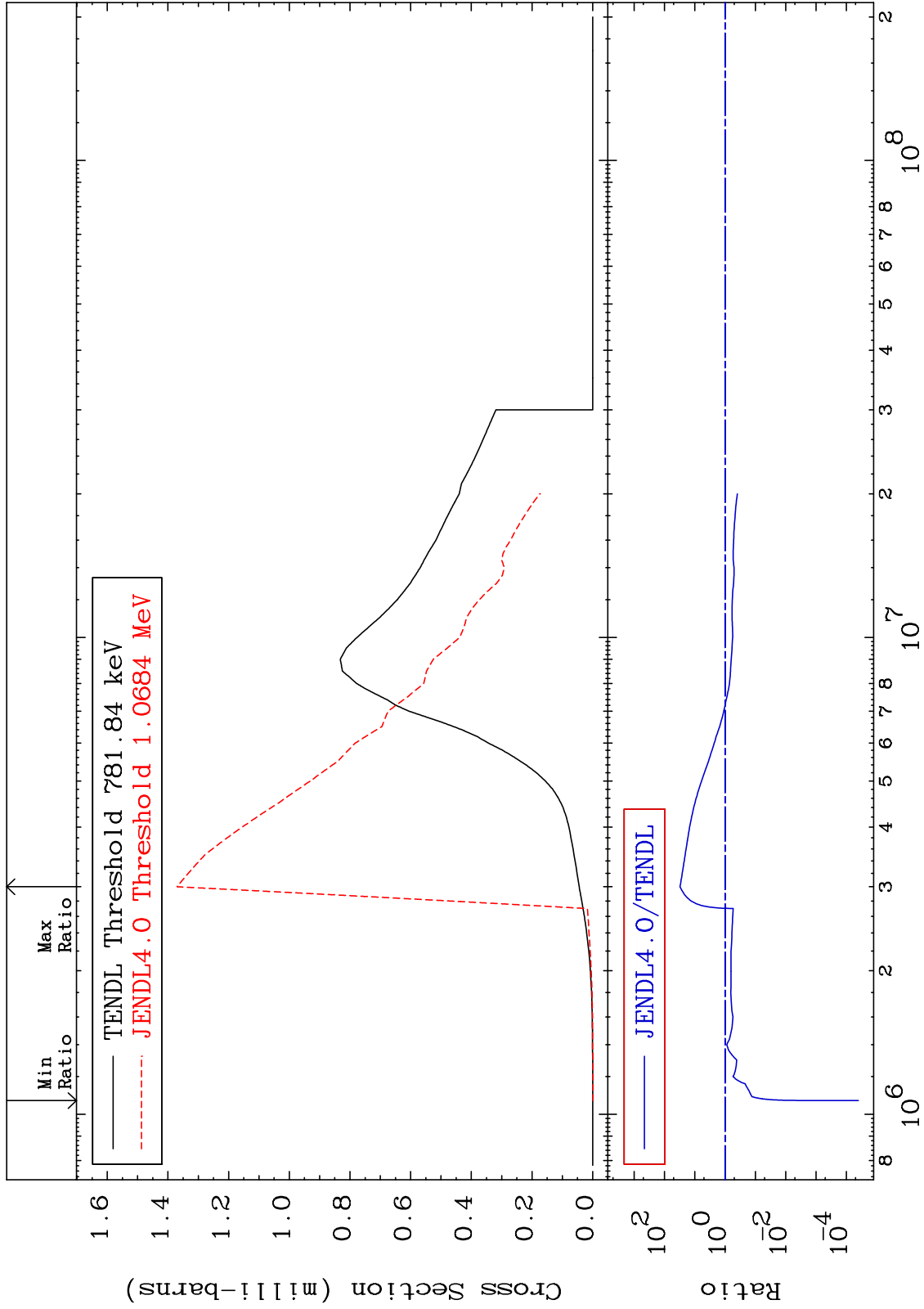
15

94-Pu-242

MAT 9446

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

94-Pu-242
-100.0 To 2964. %



16

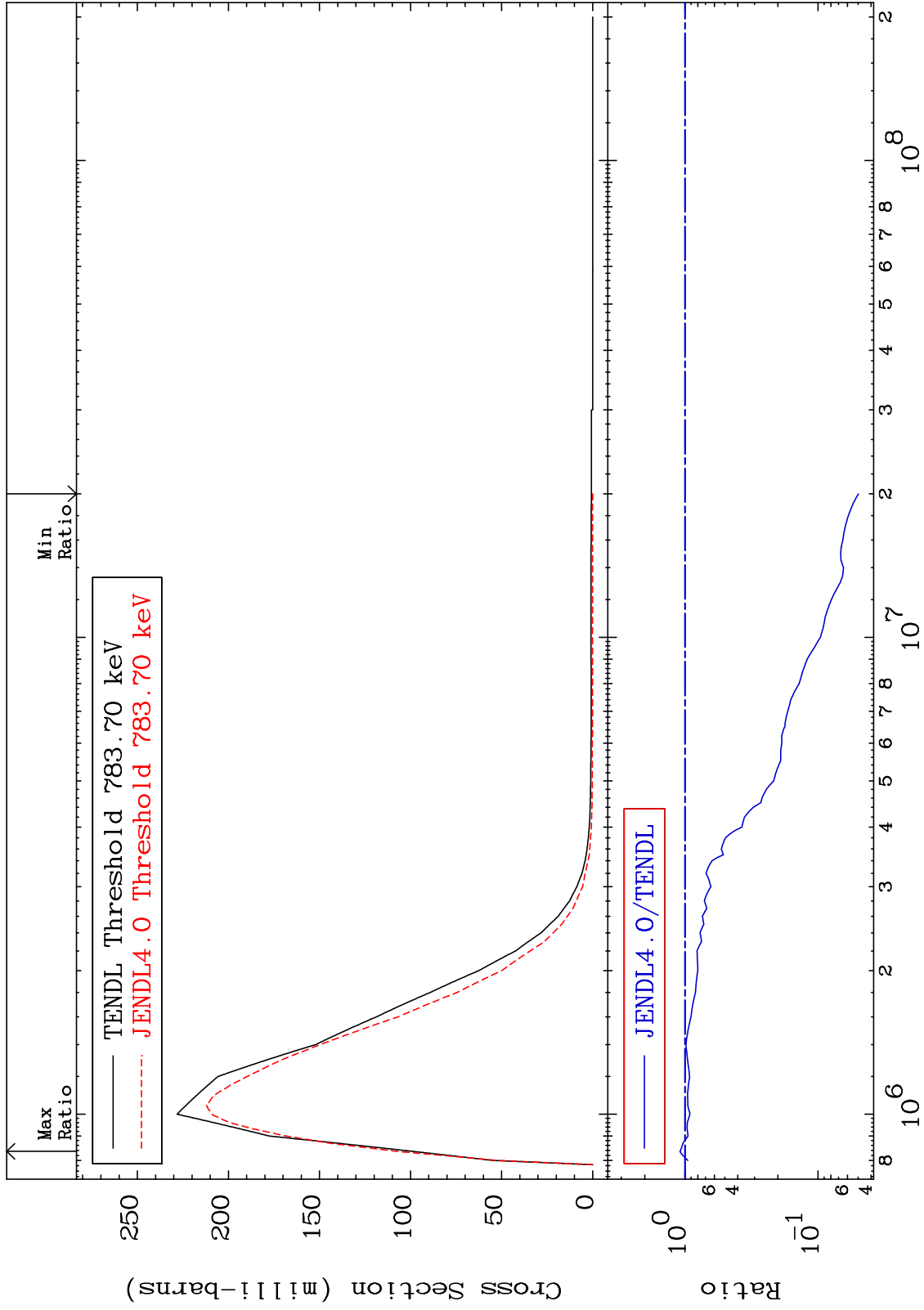
Incident Energy (eV)

94-Pu-242

MAT 9446

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

94-Pu-242
-95.03 To 8.767 %



17

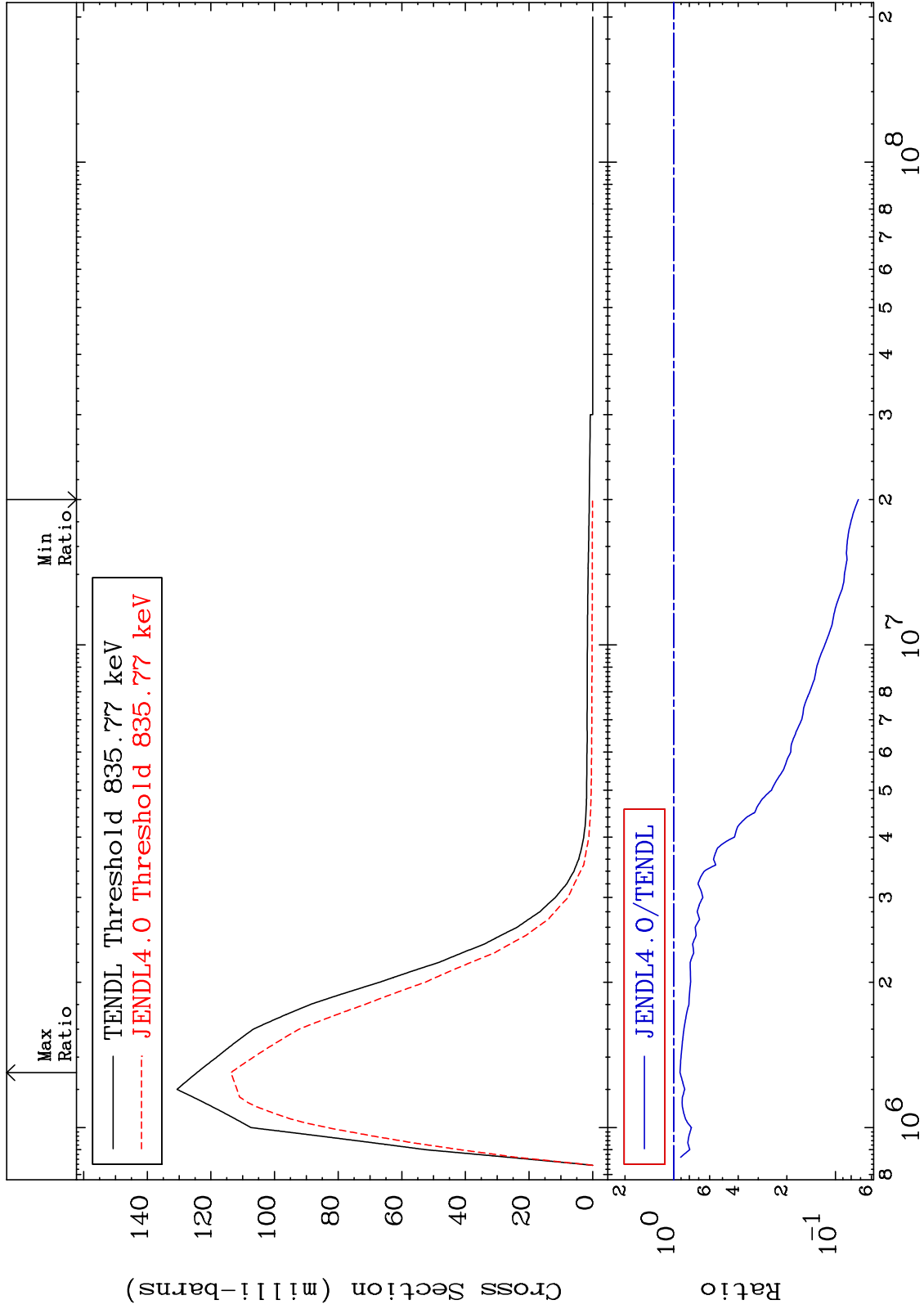
Incident Energy (eV)

94-Pu-242

MAT 9446

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

94-Pu-242
-92.79 To -8.573%



18

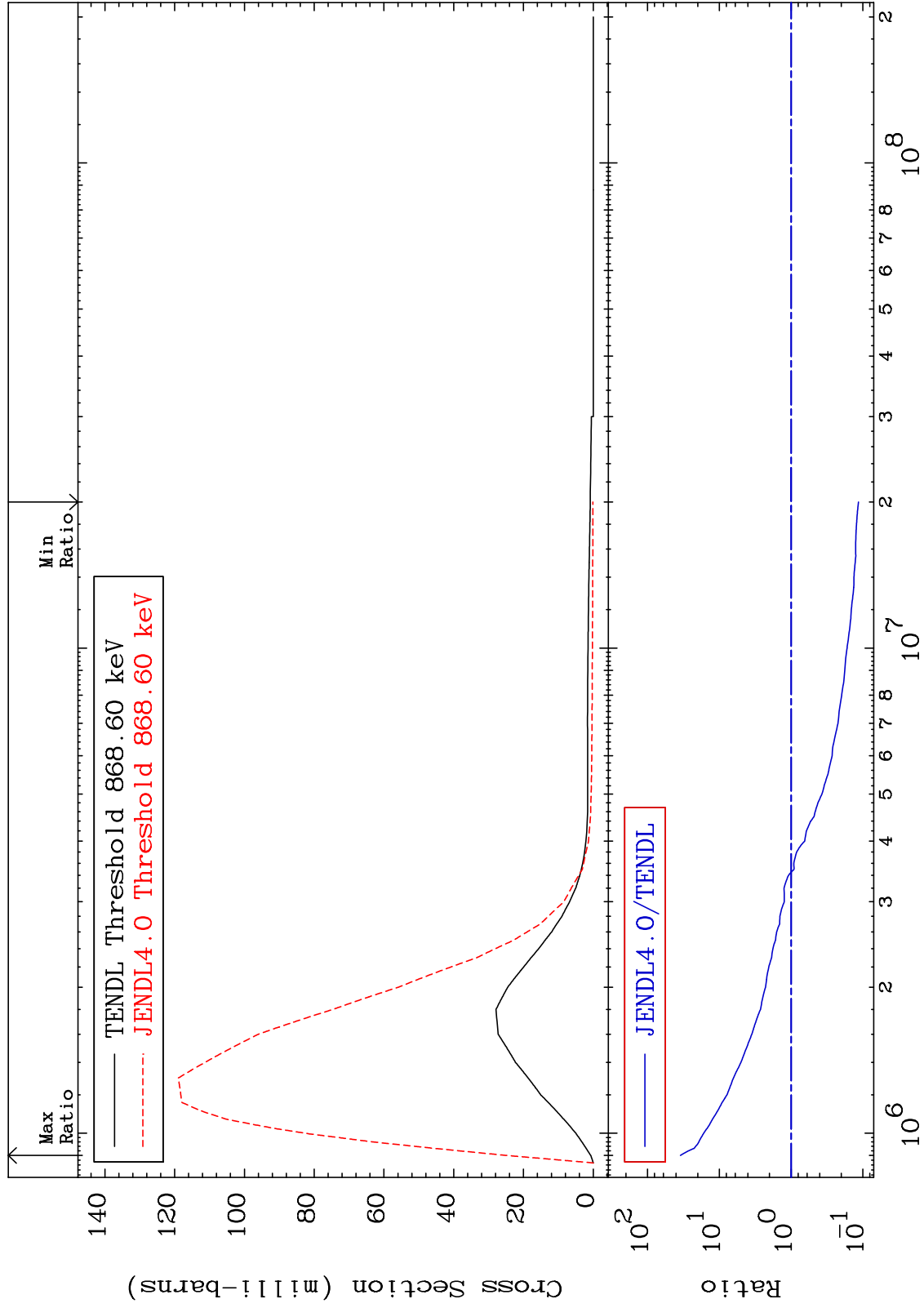
Incident Energy (eV)

94-Pu-242

MAT 9446

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

94-Pu-242
-88.48 To 3379. %

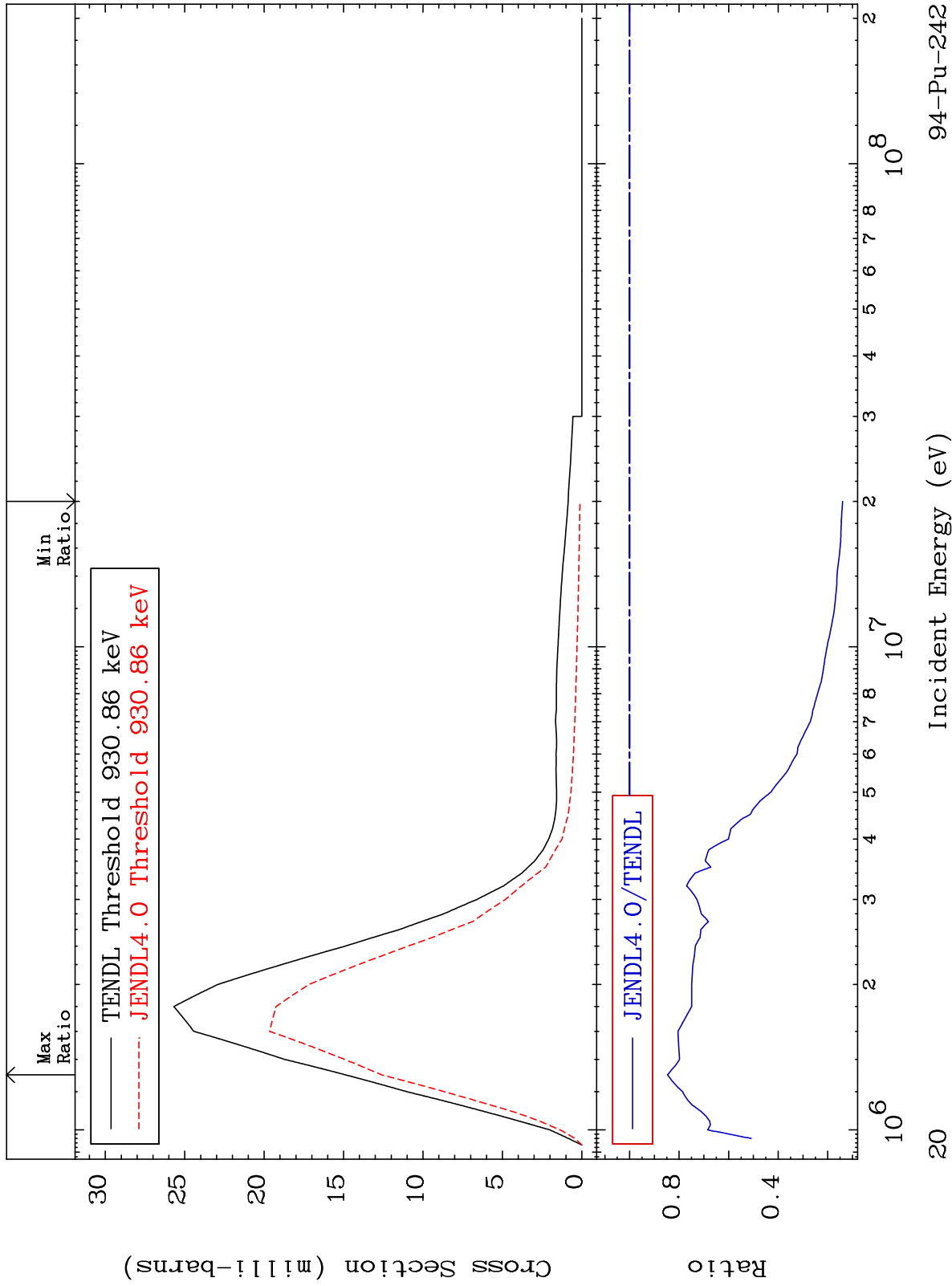


94-Pu-242

Incident Energy (eV)

19

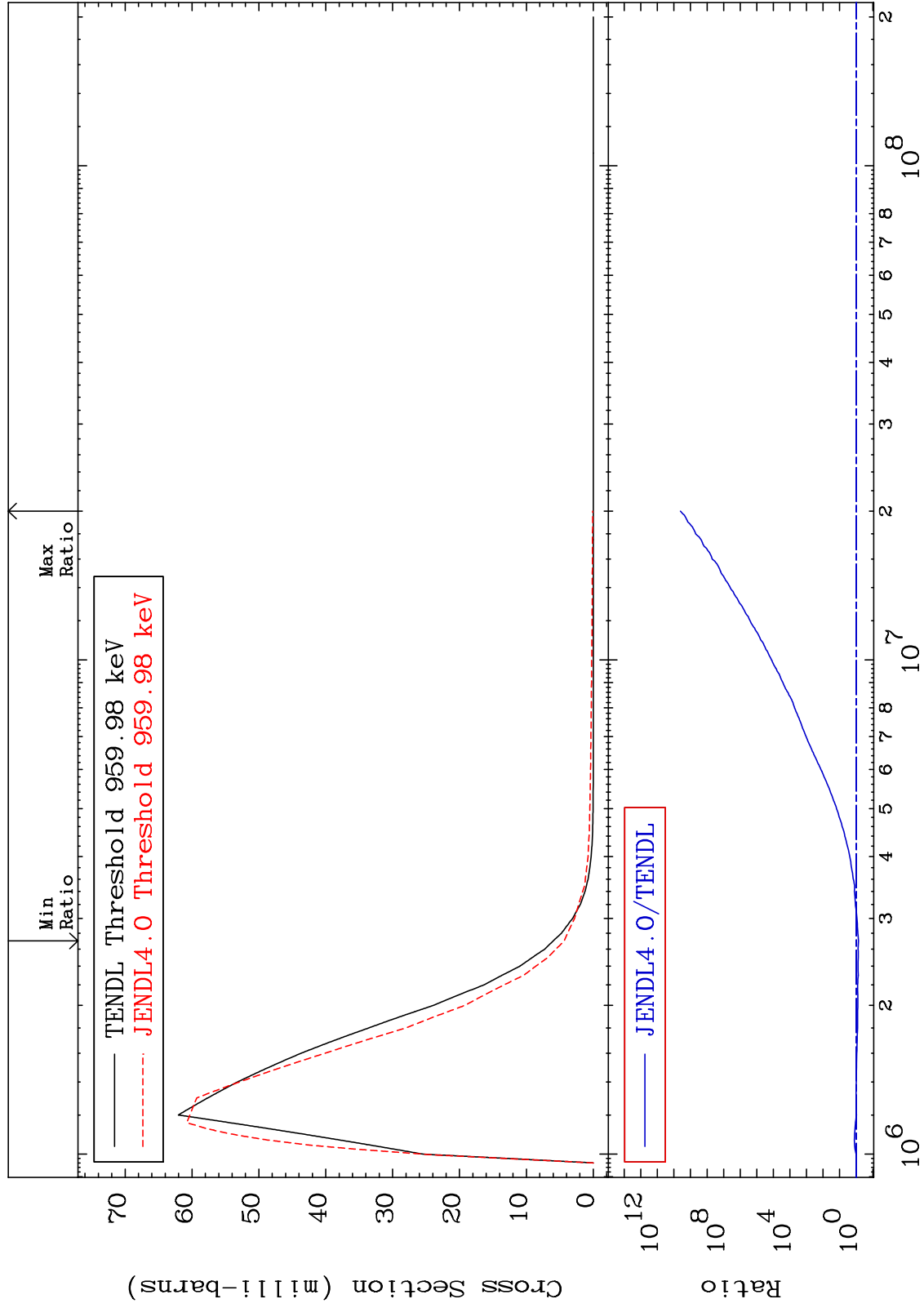
MAT 9446 MT= 59 (n,n') Level Cross Section 94-Pu-242 -86.04 To -15.32%



MAT 9446

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

94-Pu-242
-27.48 To 9999. %



21

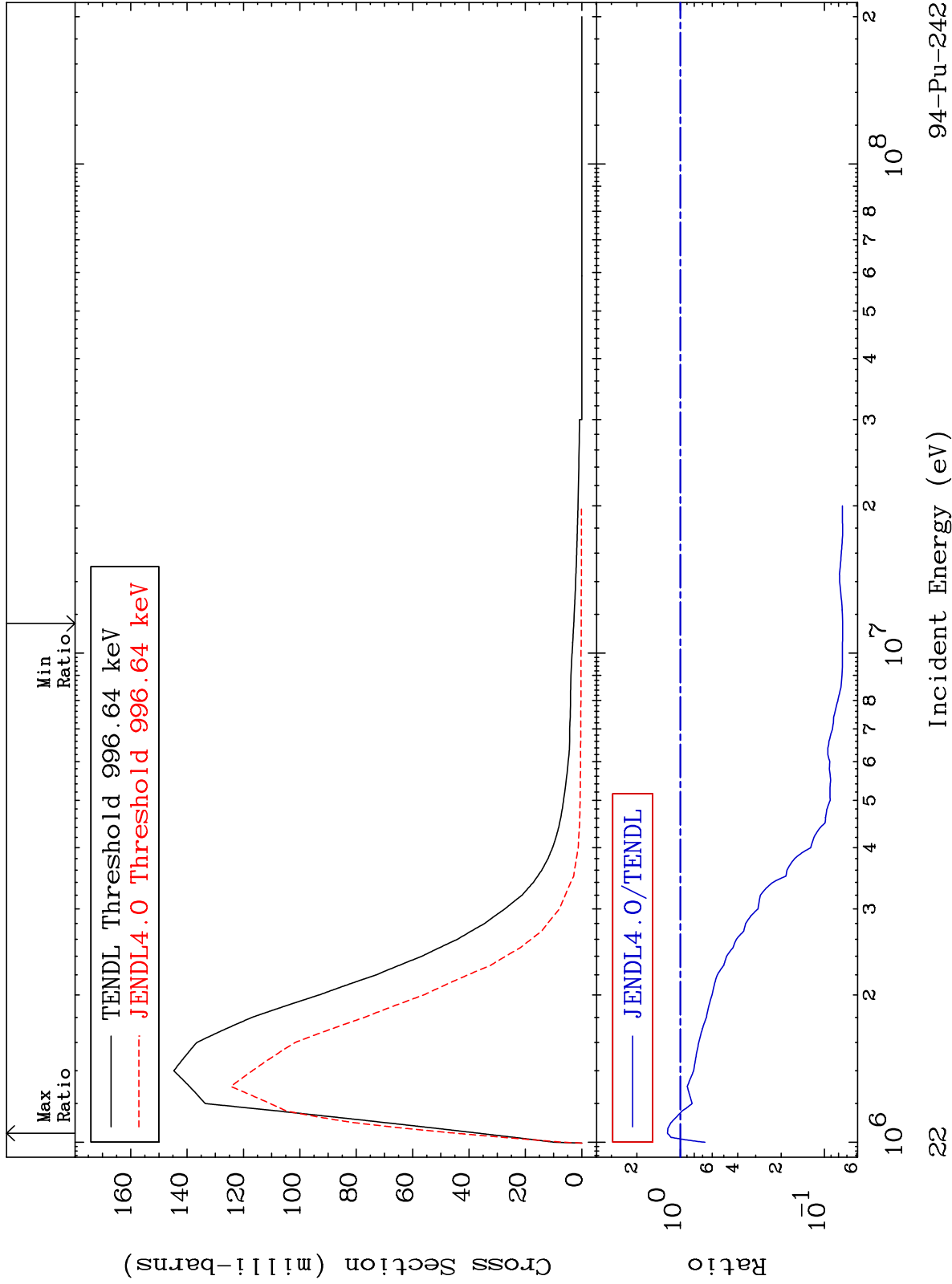
Incident Energy (eV)

94-Pu-242

MAT 9446

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

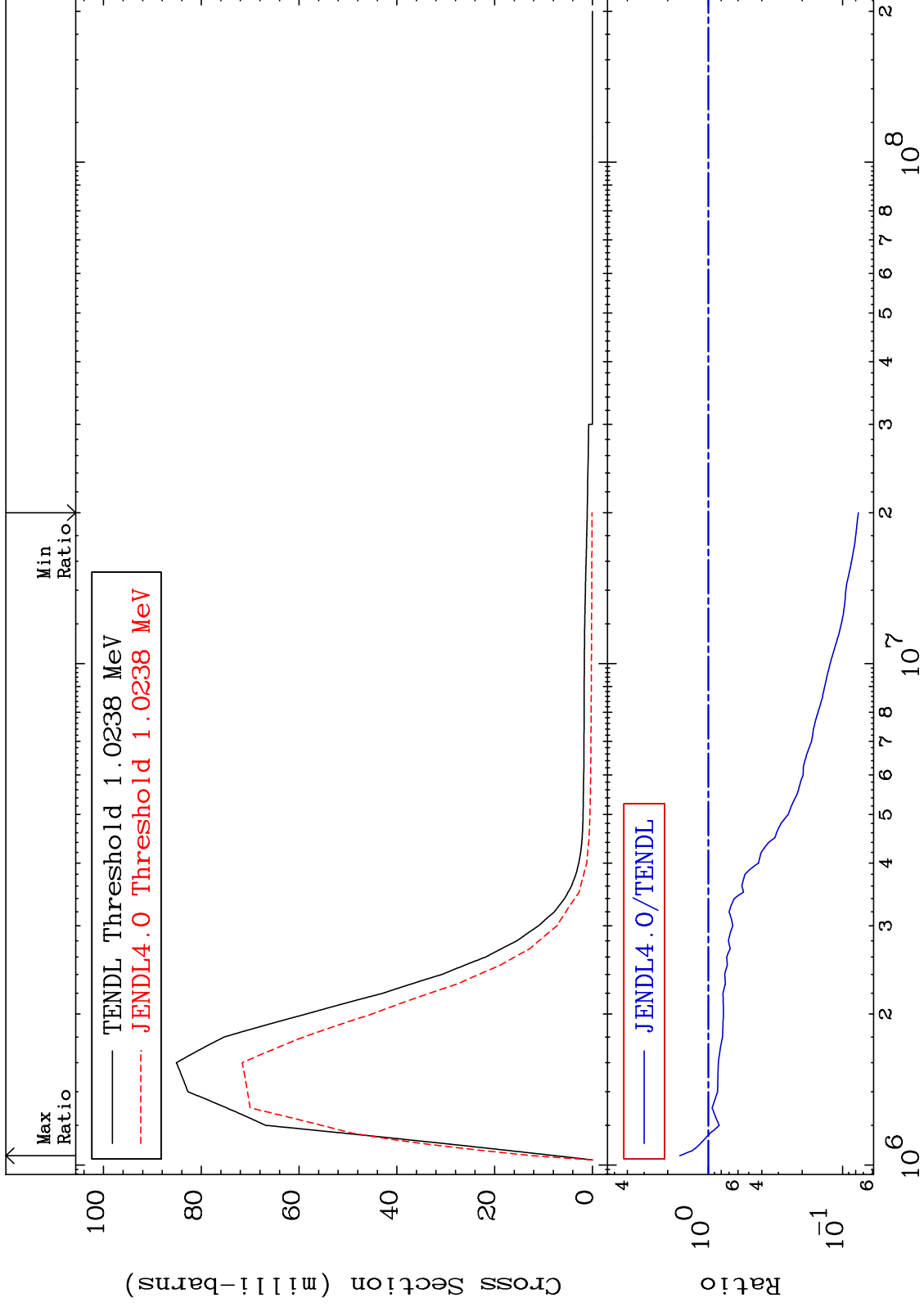
94-Pu-242
-92.52 To 22.54 %



MAT 9446

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

94-Pu-242
-92.37 To 62.85 %



Incident Energy (eV)

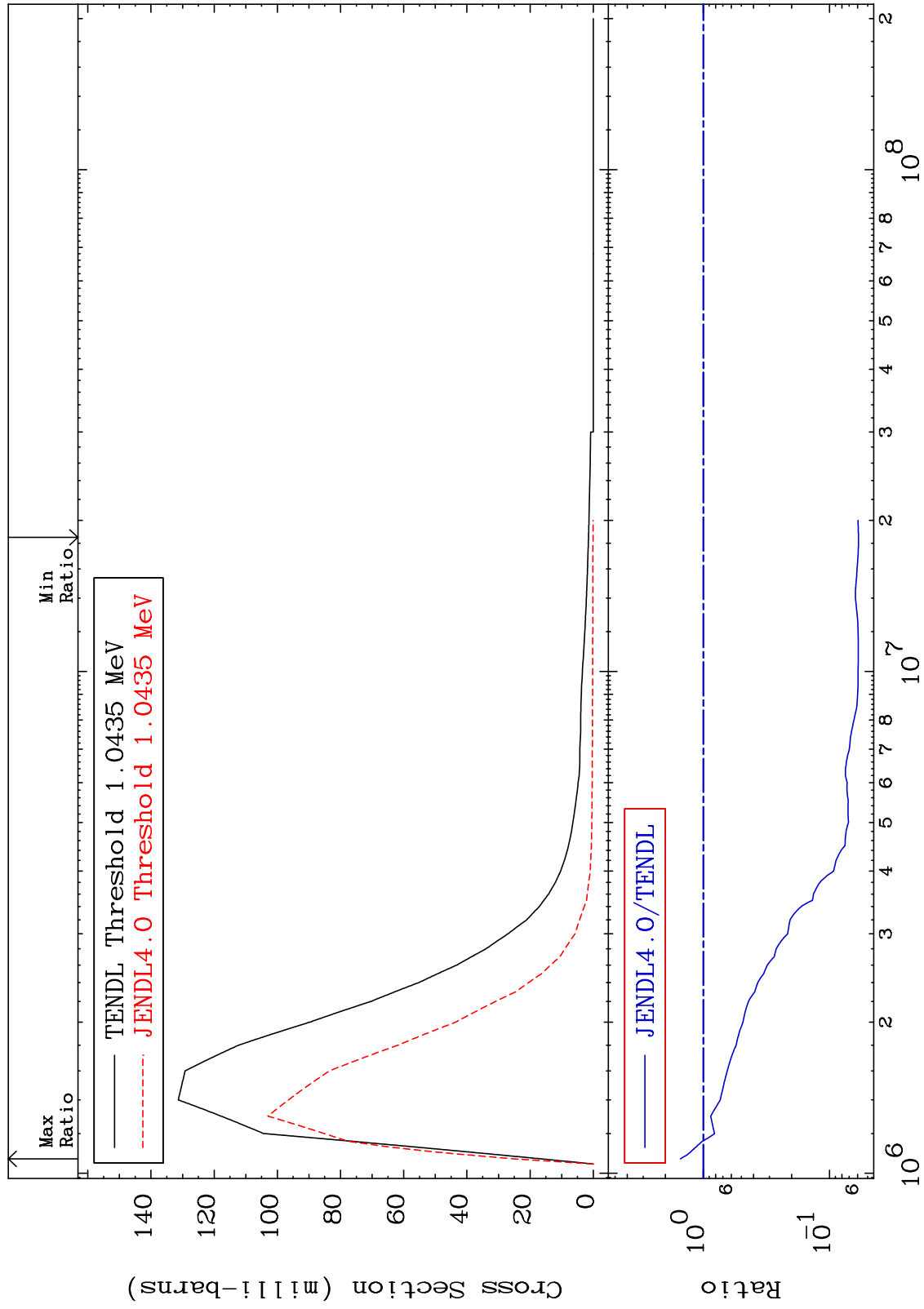
94-Pu-242

23

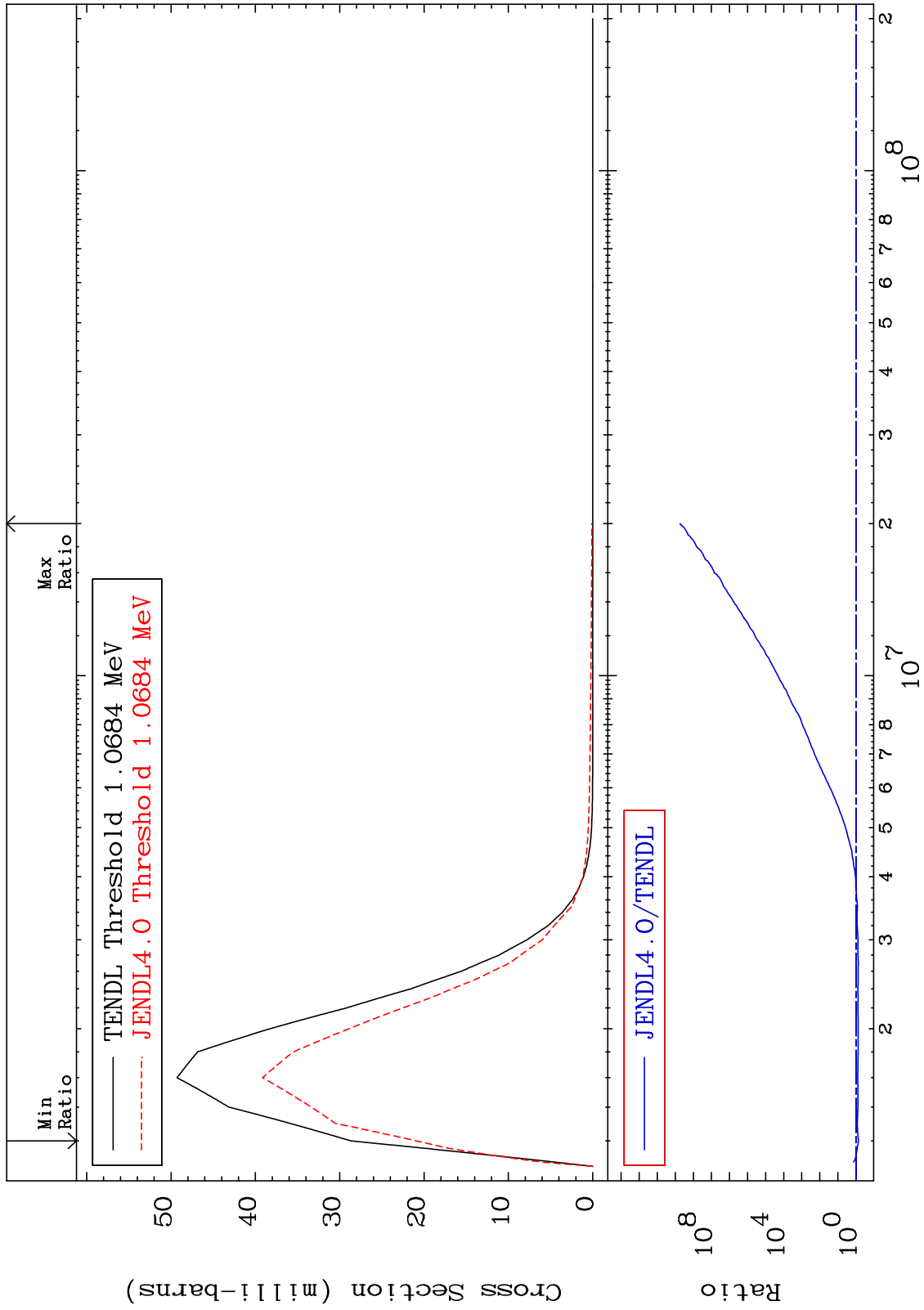
MAT 9446

MT= 63 (n,n') Level
Cross Section

94-Pu-242
-94.10 To 51.84 %



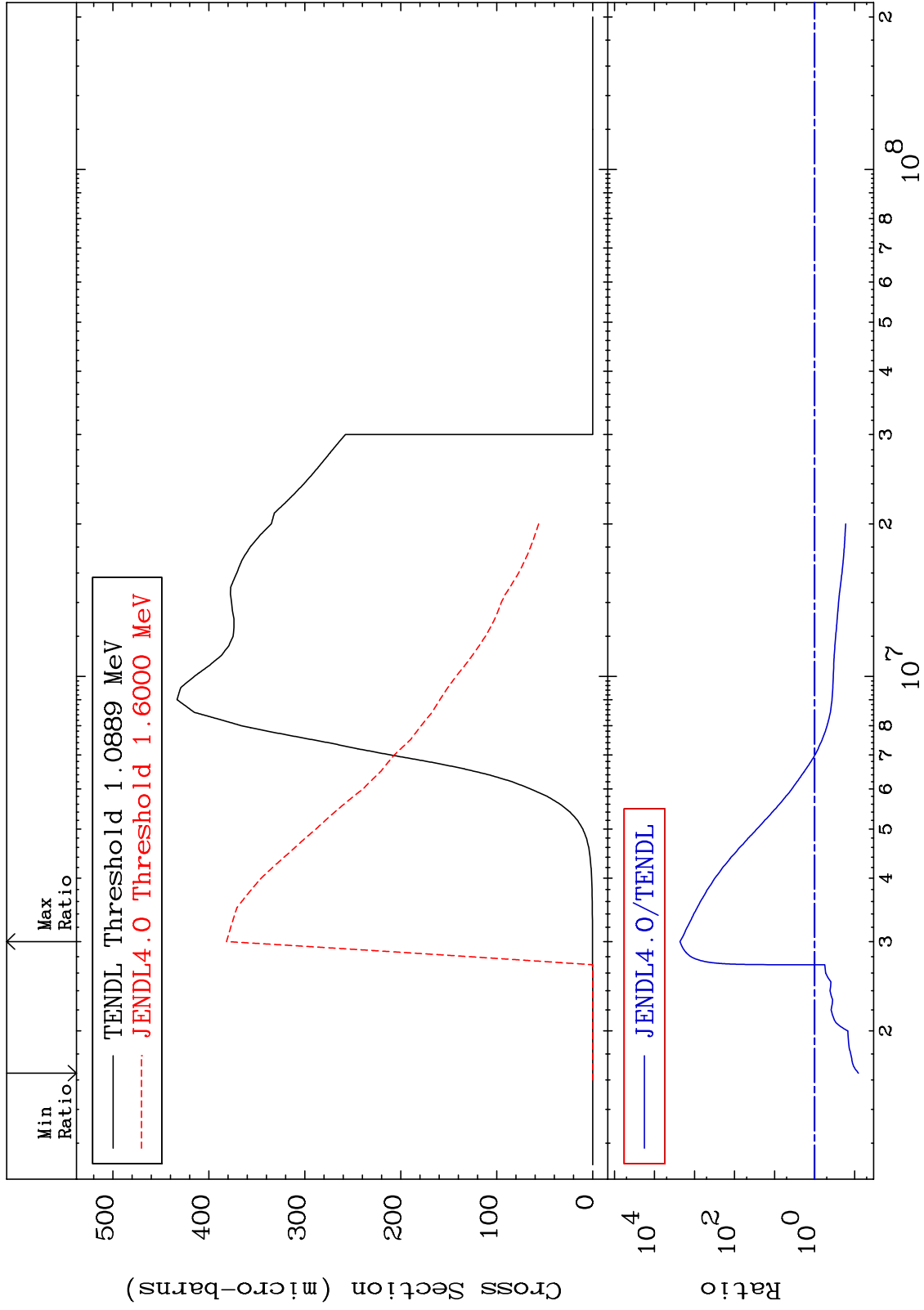
MAT 9446 MT= 64 (n,n') Level 94-Pu-242
 Cross Section -27.00 To 9999. %



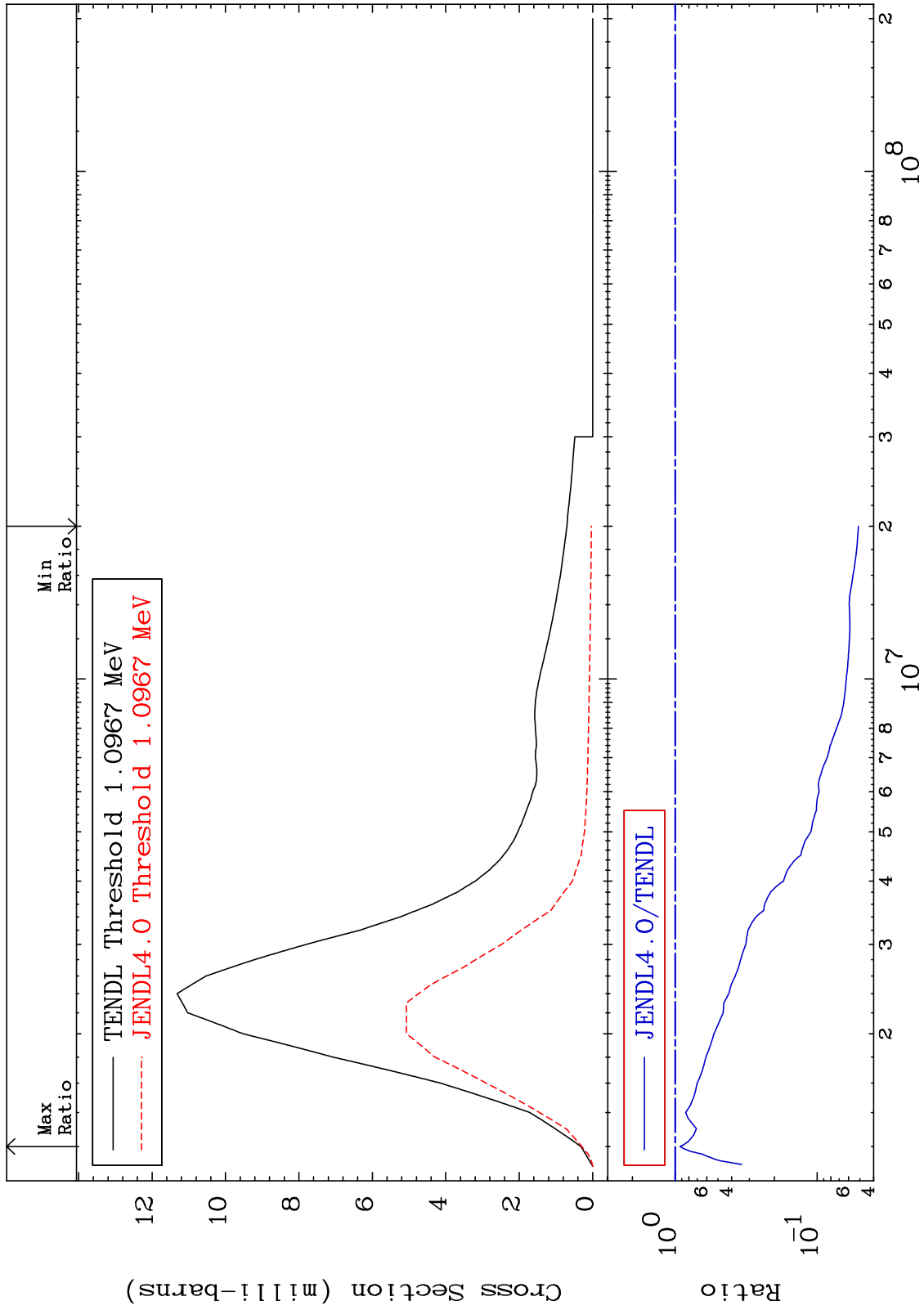
MAT 9446

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

94-Pu-242
-91.94 To 9999. %



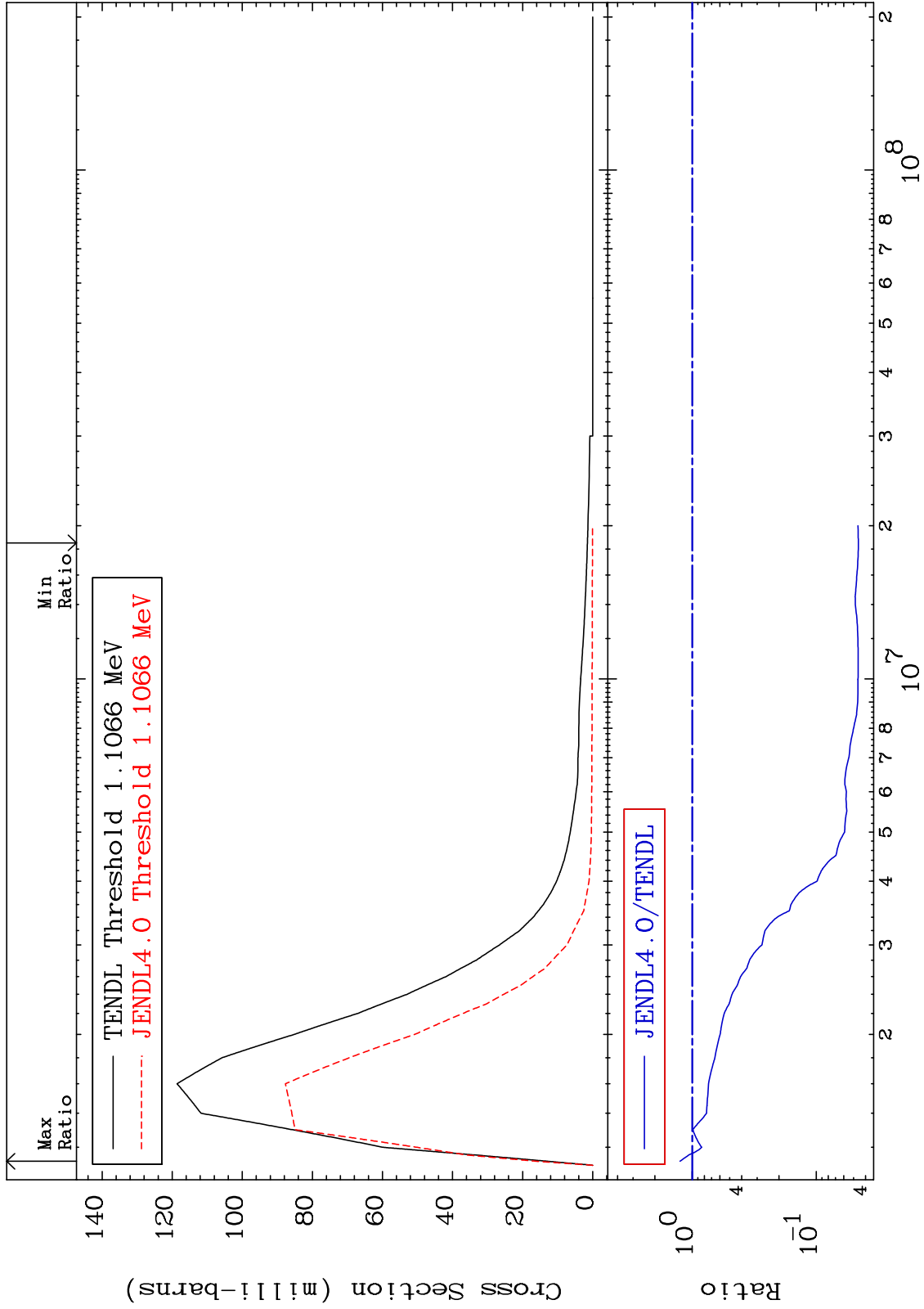
MAT 9446 MT= 66 (n,n') Level Cross Section 94-Pu-242
 -94.88 To -7.527%



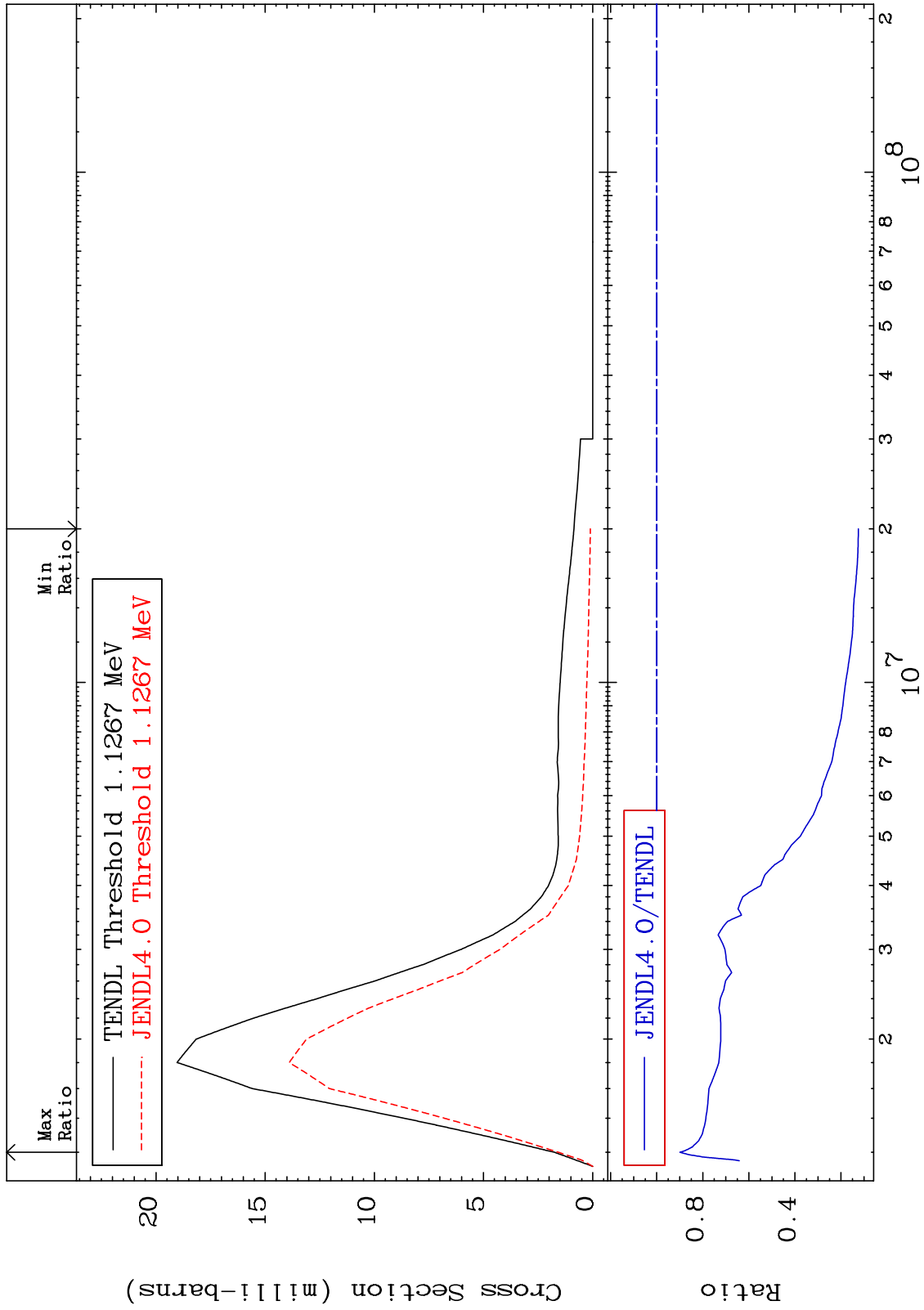
MAT 9446

MT= 67 (n,n') Level
Cross Section

94-Pu-242
-95.43 To 25.54 %



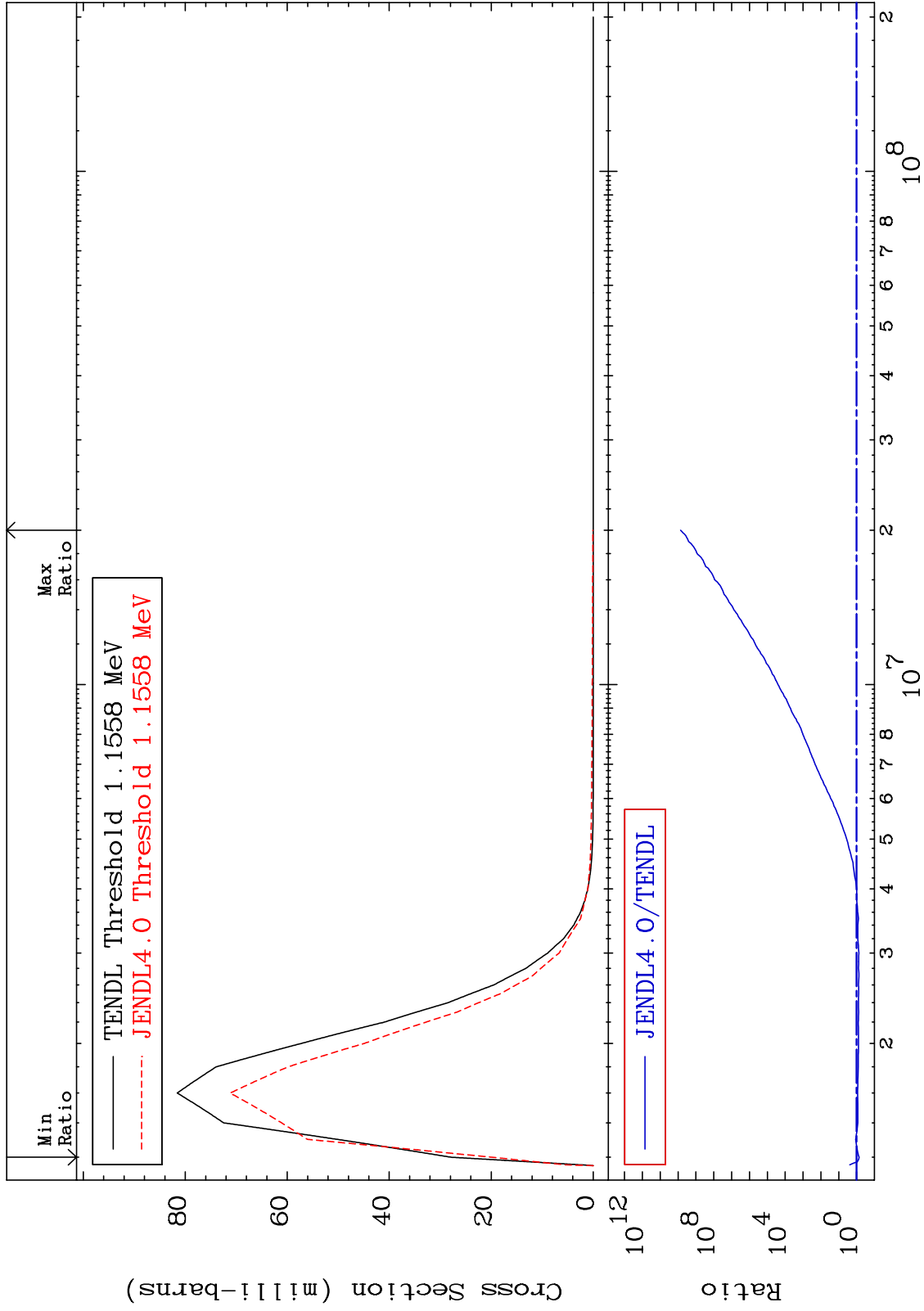
MAT 9446 MT= 68 (n, n') Level Cross Section 94-Pu-242 -87.56 To -10.12%



MAT 9446

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

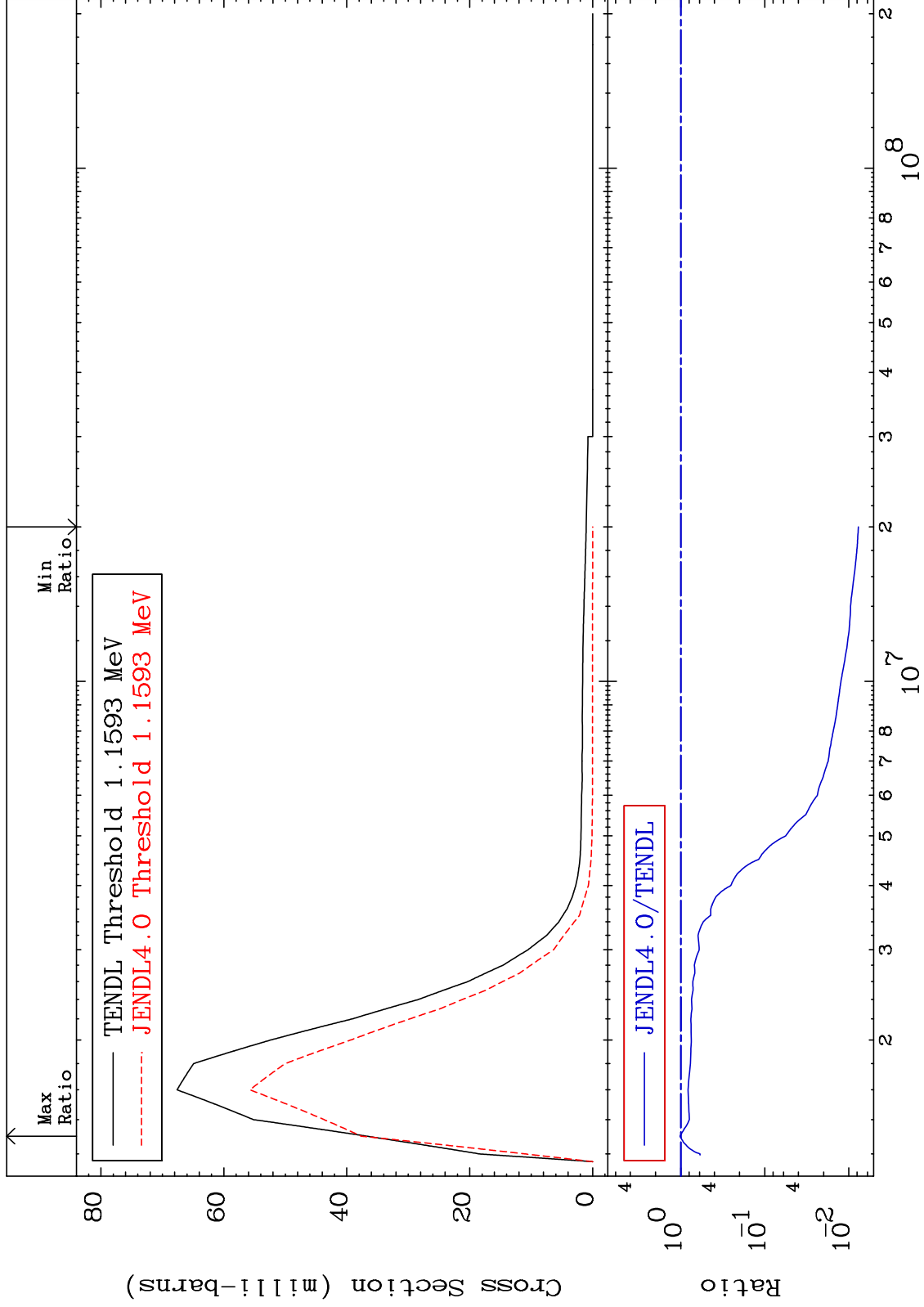
94-Pu-242
-28.31 To 9999. %



MAT 9446

MT= 70 (n,n') Level
Cross Section

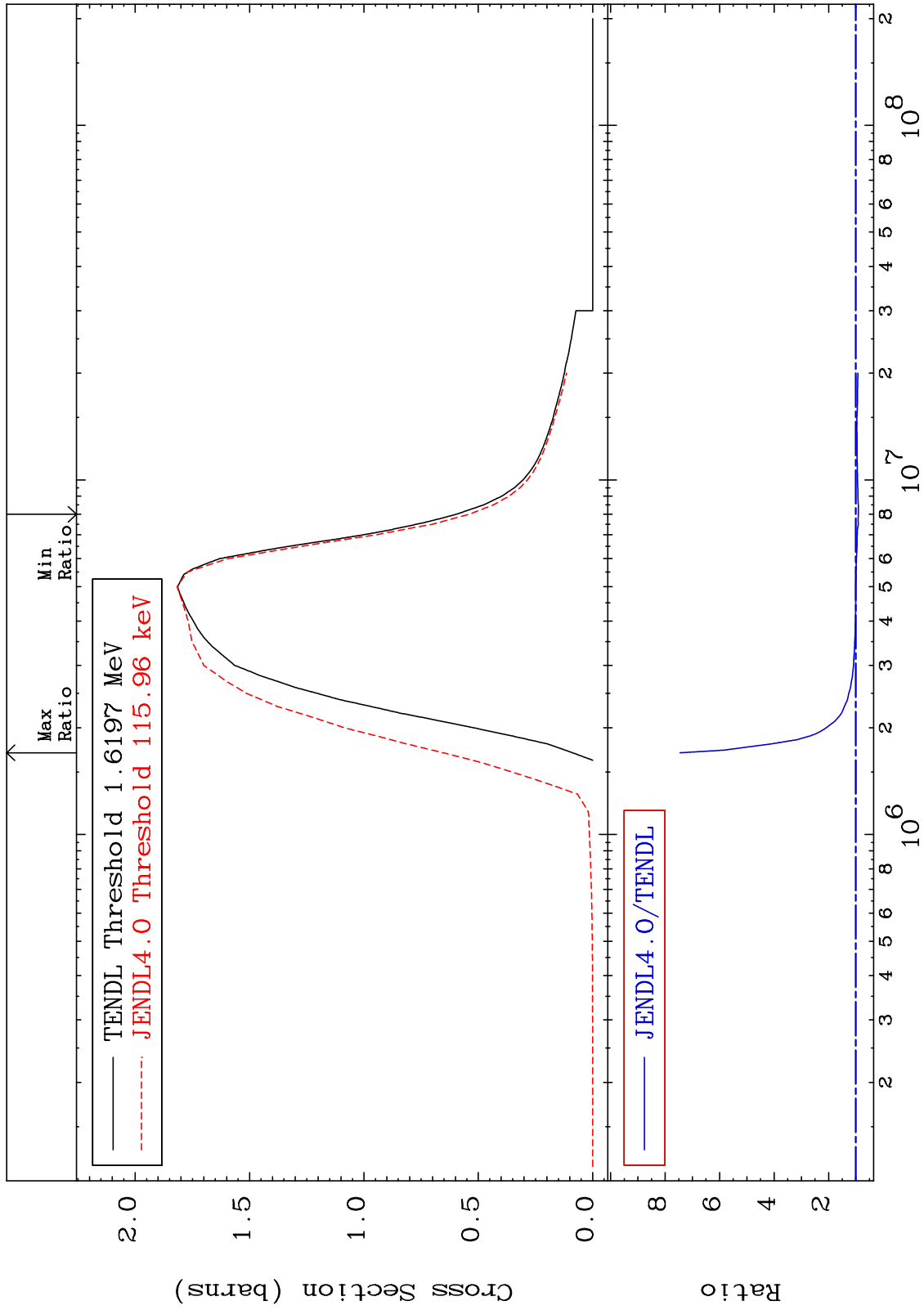
94-Pu-242
-99.23 To 2.411 %



MAT 9446

(n, n') Continuum
Cross Section

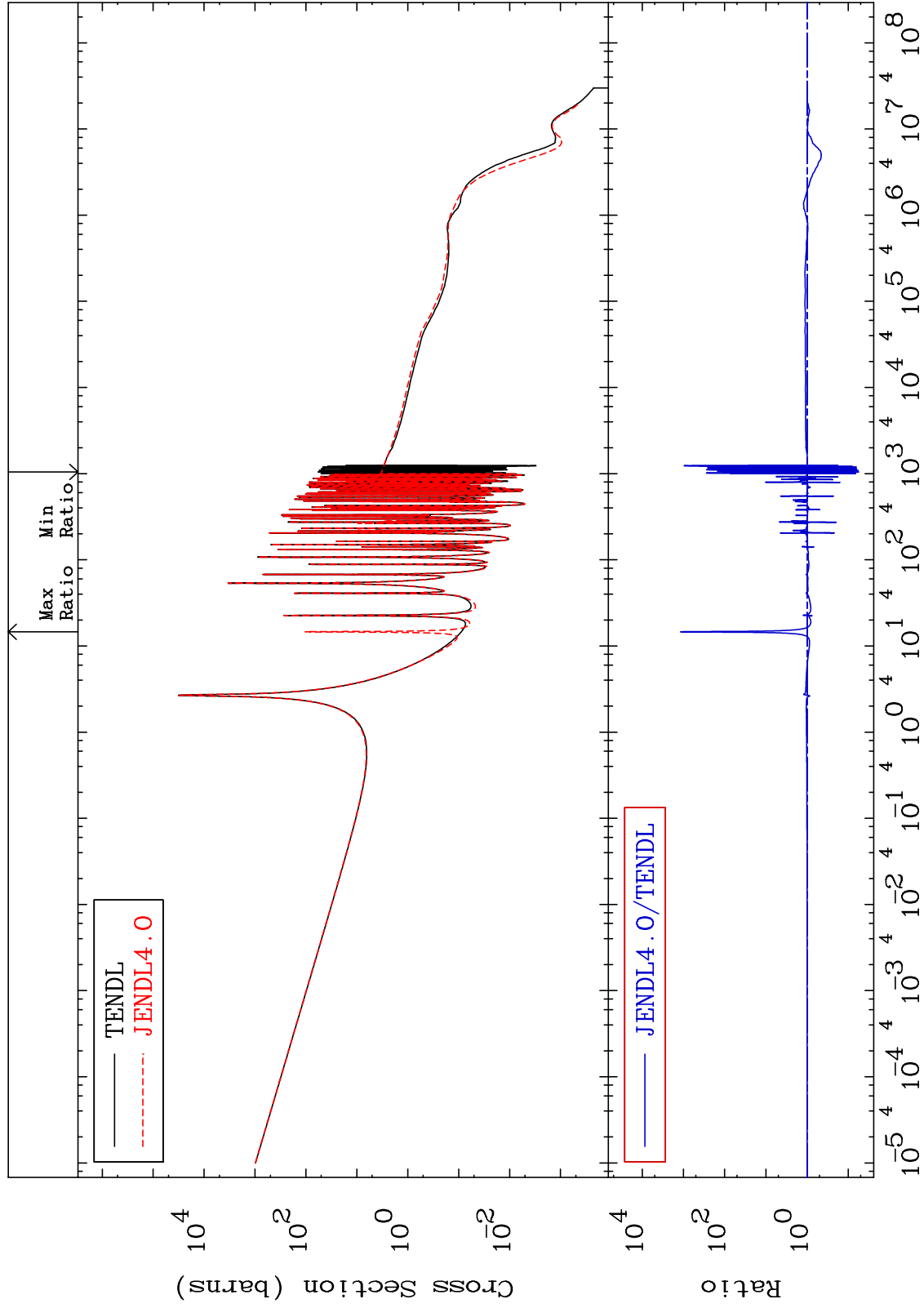
94-Pu-242
-9.434 To 645.4 %



MAT 9446

(n, γ)
Cross Section

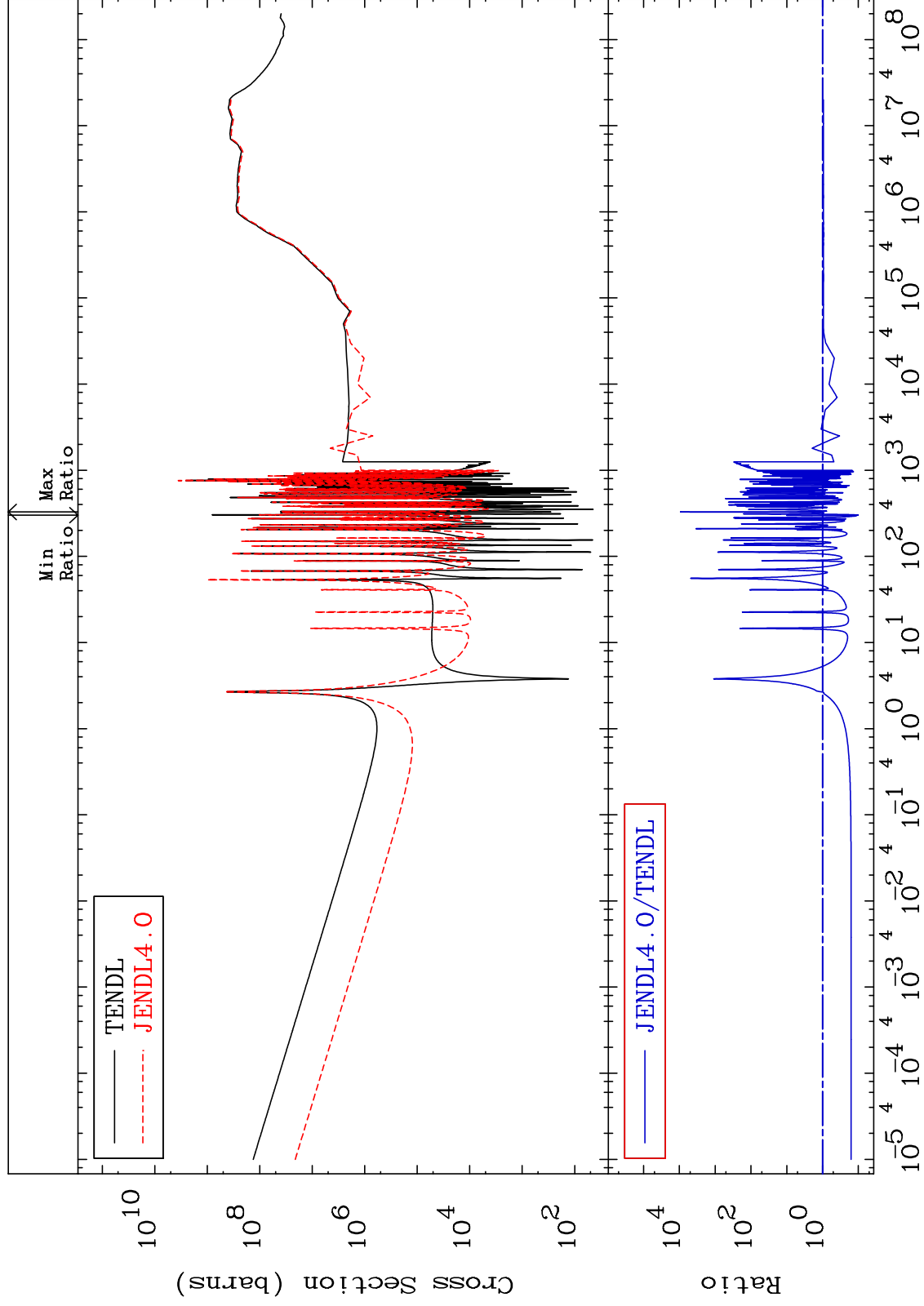
94-Pu-242
-94.36 To 9999. %



MAT 9446

Kerma total (eV-barns)
Cross Section

94-Pu-242
-90.13 To 9999. %



34

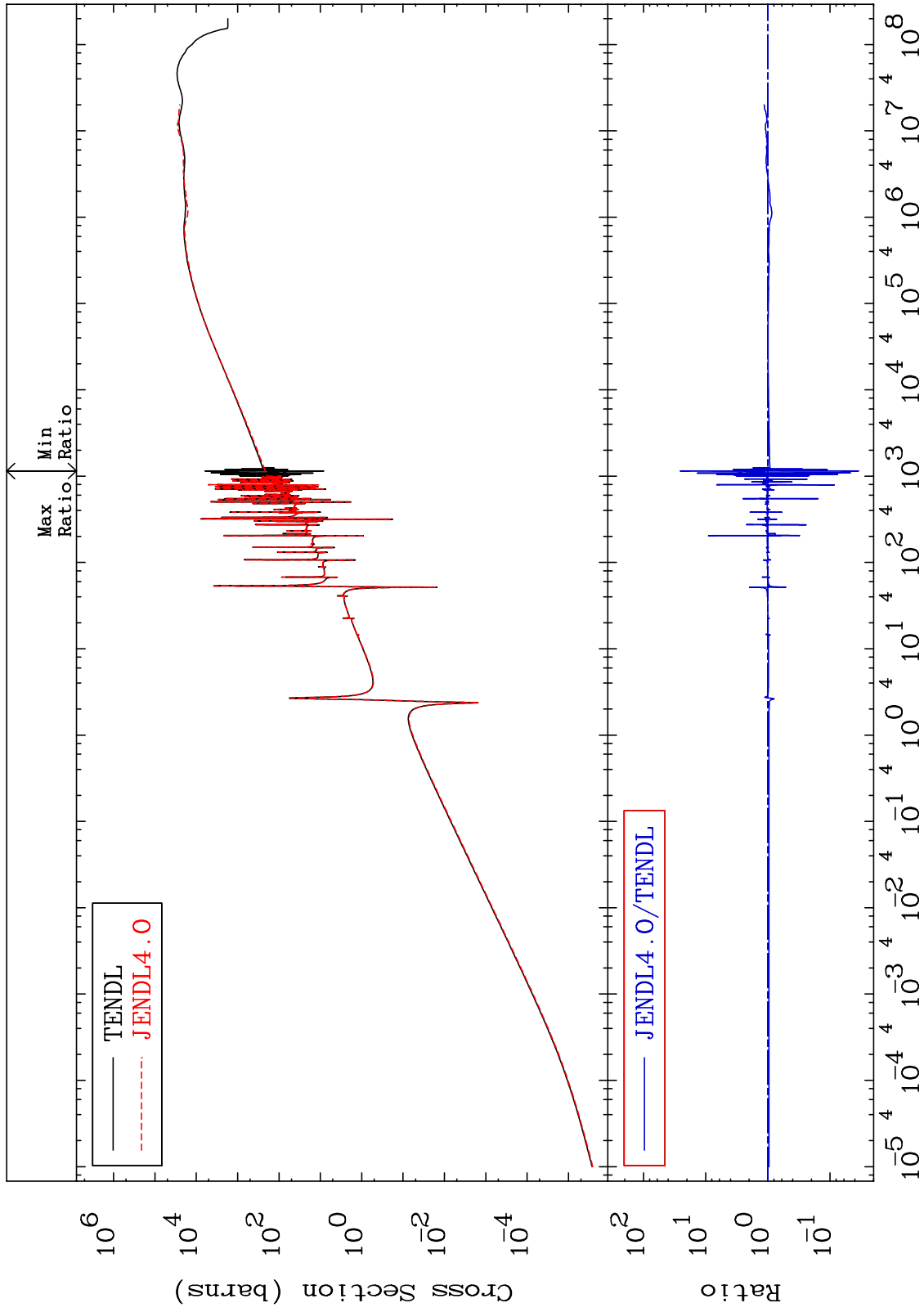
Incident Energy (eV)

94-Pu-242

MAT 9446

Kerma elastic
Cross Section

94-Pu-242
-96.49 To 2489. %



35

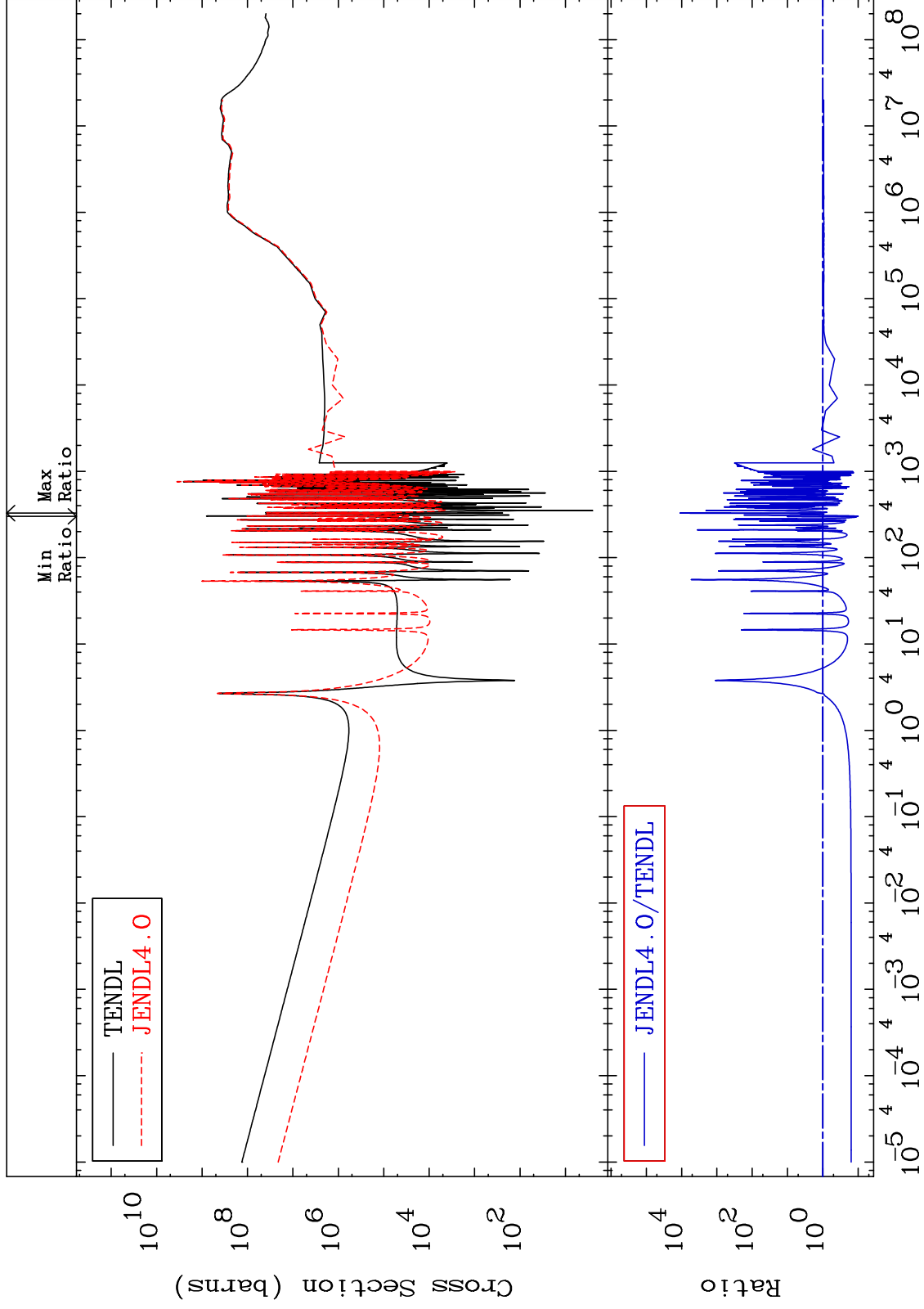
Incident Energy (eV)

94-Pu-242

MAT 9446

Kerma non-elastic (all but mt2)
Cross Section

94-Pu-242
-90.13 To 9999. %



36

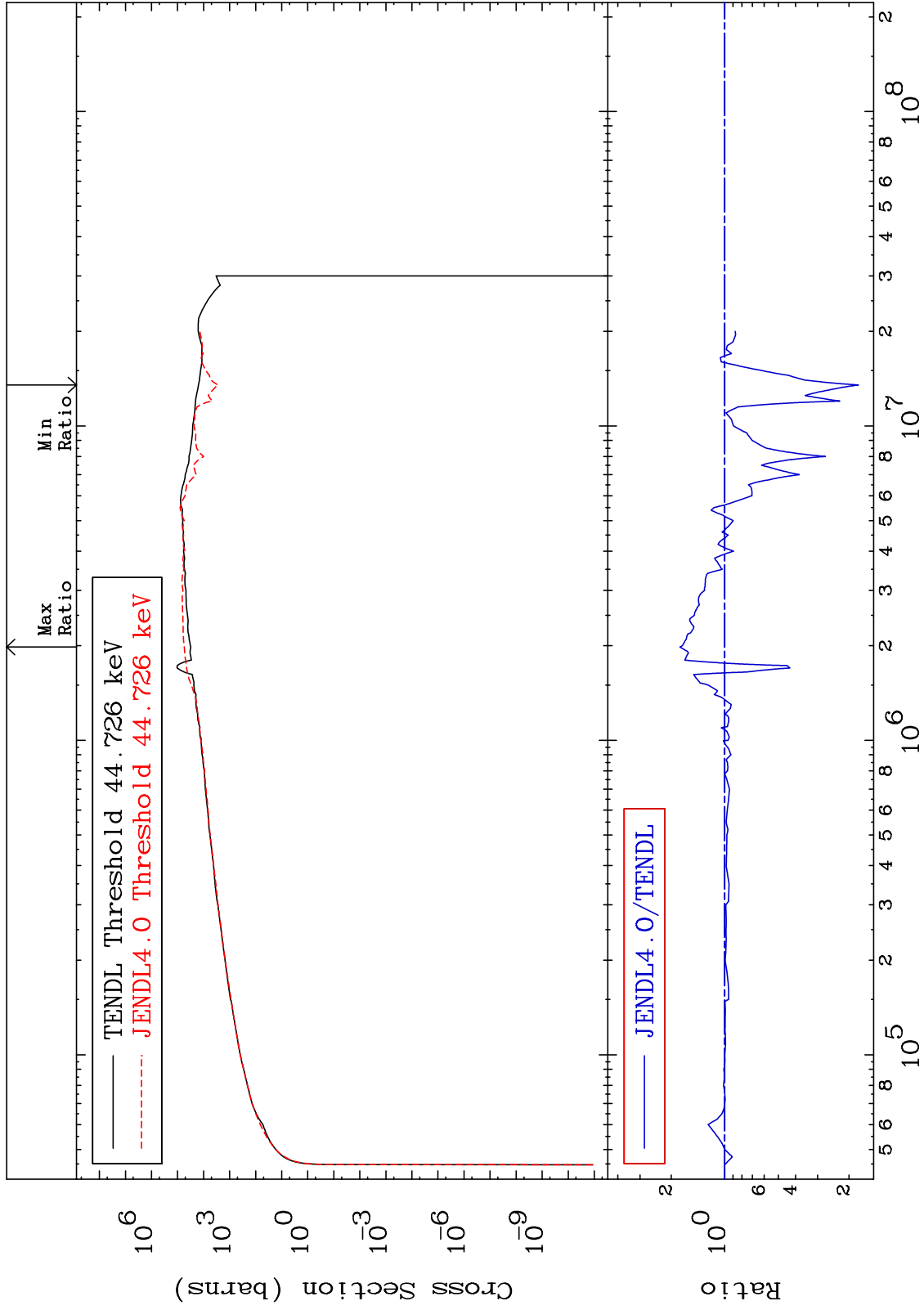
Incident Energy (eV)

94-Pu-242

MAT 9446

Kerma inelastic (mt51-91)
Cross Section

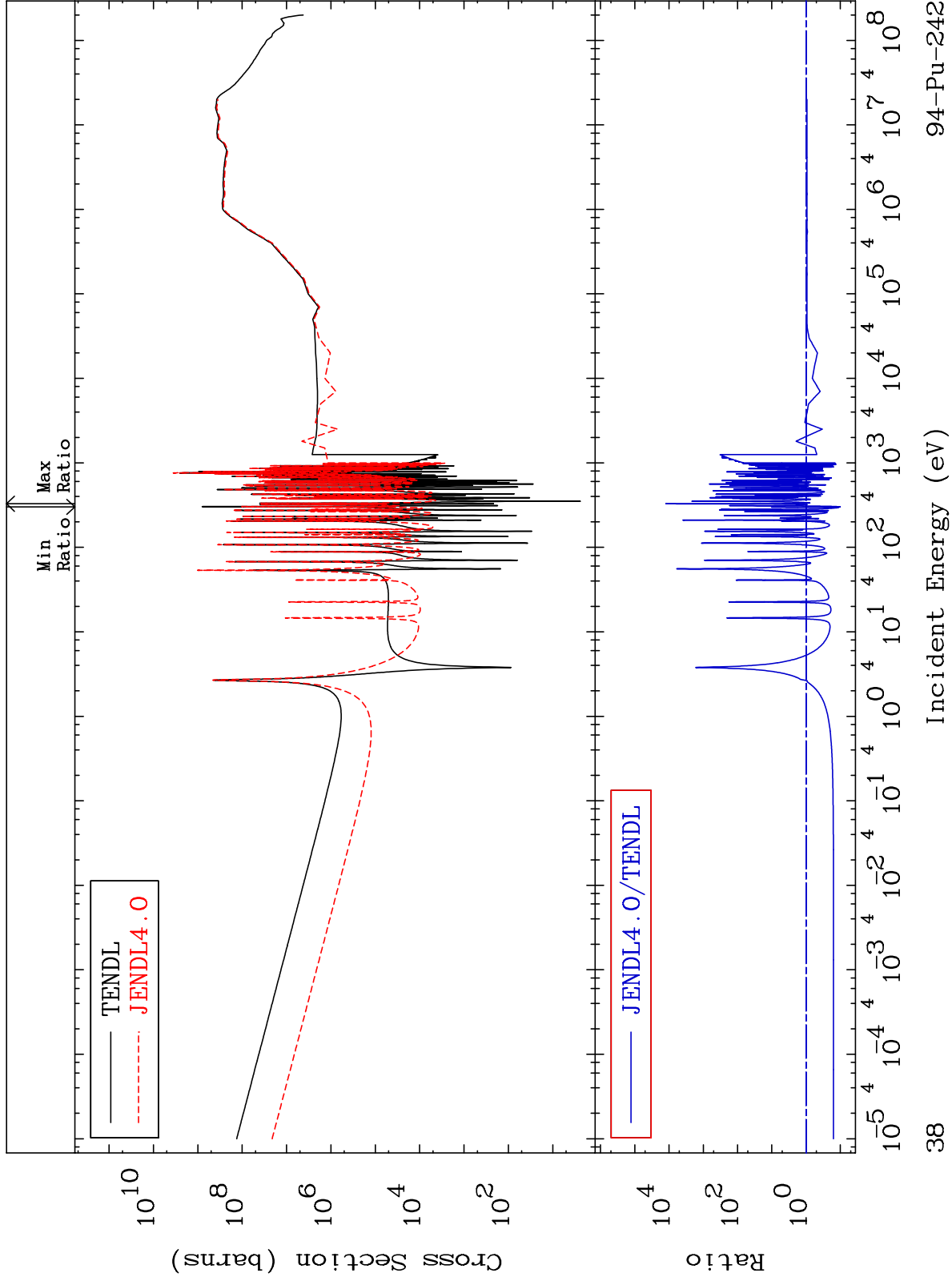
94-Pu-242
-82.31 To 78.50 %



MAT 9446

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

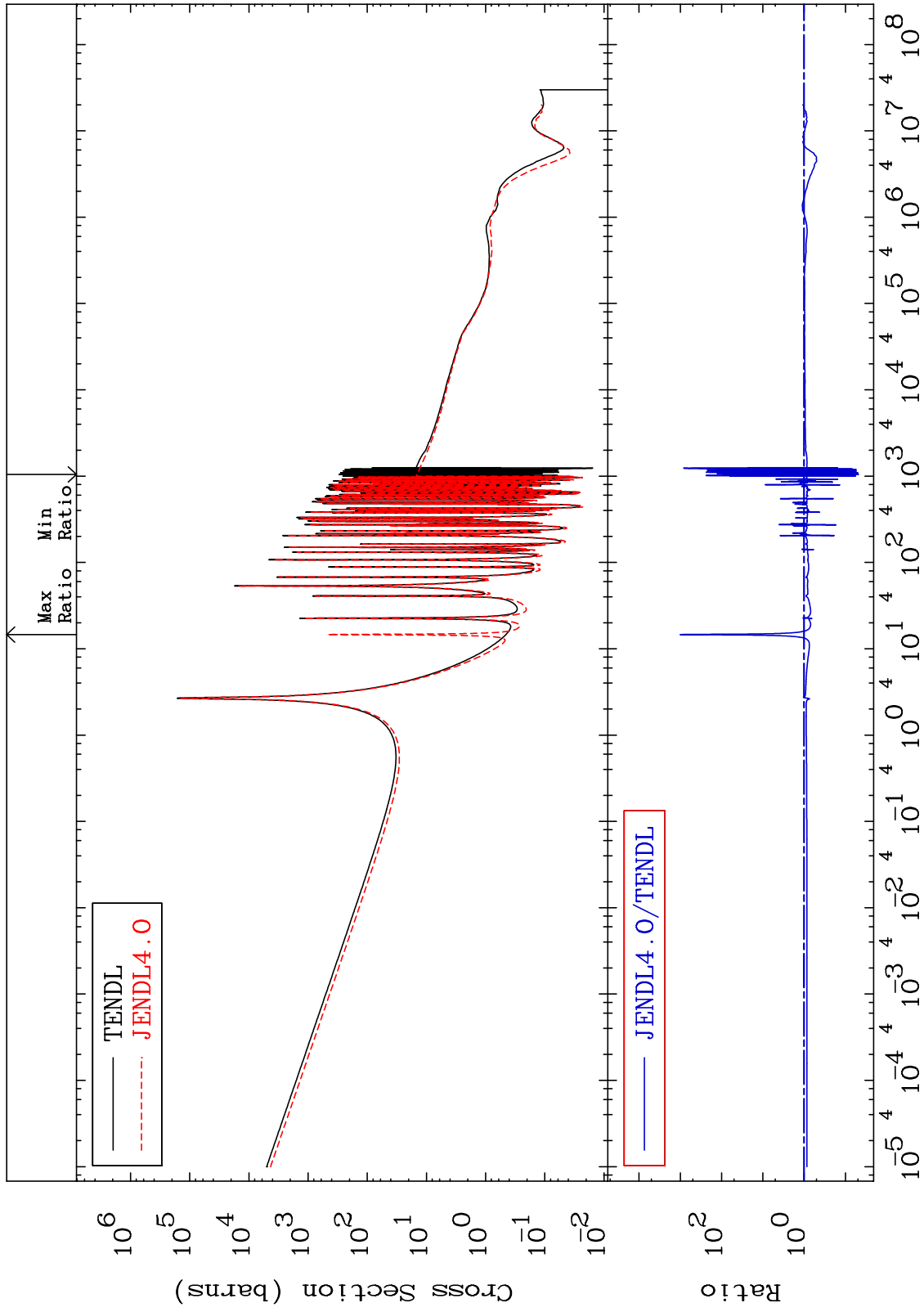
94-Pu-242
-90.13 To 9999. %



MAT 9446

Kerma capture (mt102)
Cross Section

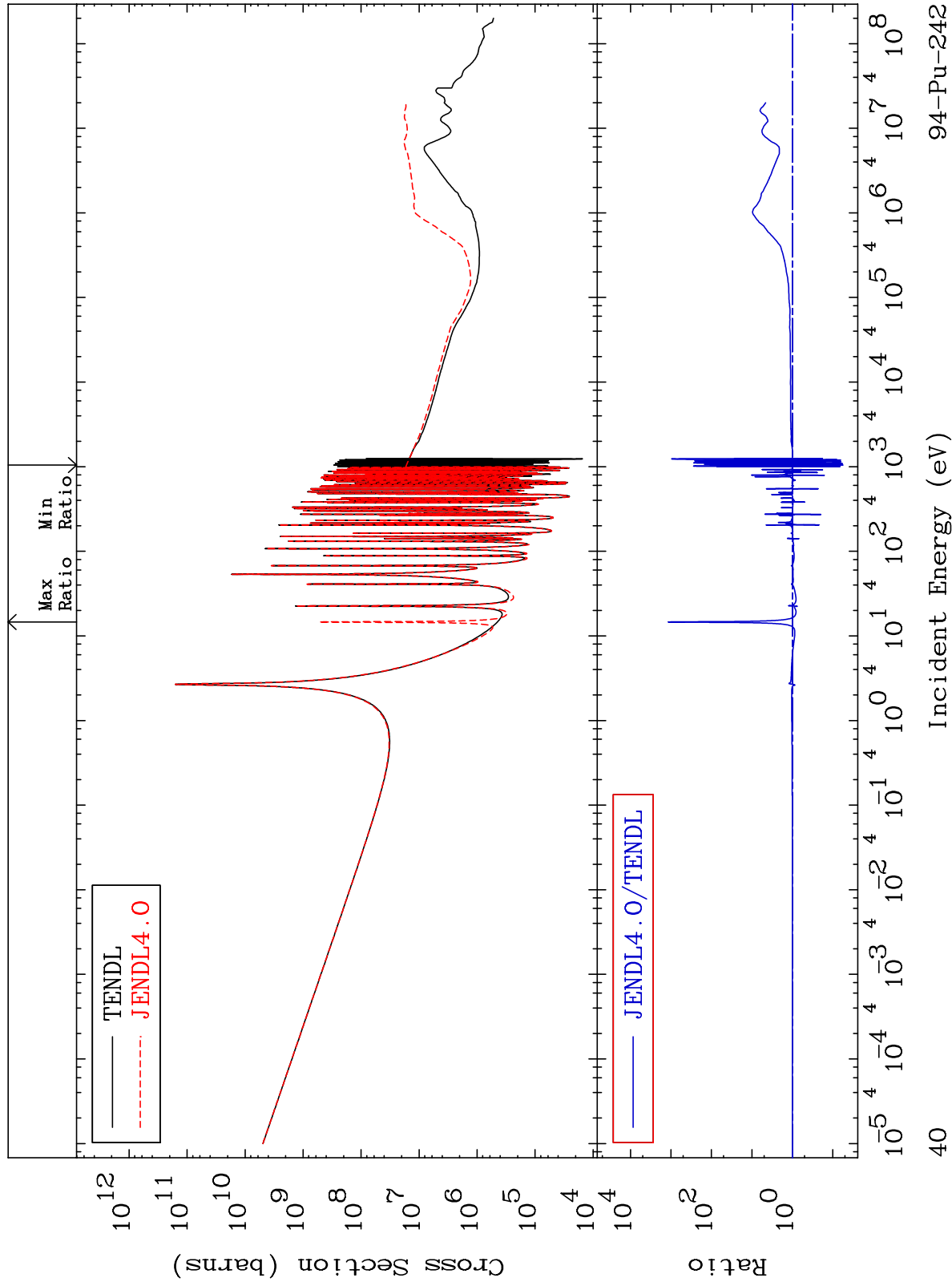
94-Pu-242
-95.15 To 9999. %



MAT 9446

Total photon (eV-barns)
Cross Section

94-Pu-242
-94.35 To 9999. %



40

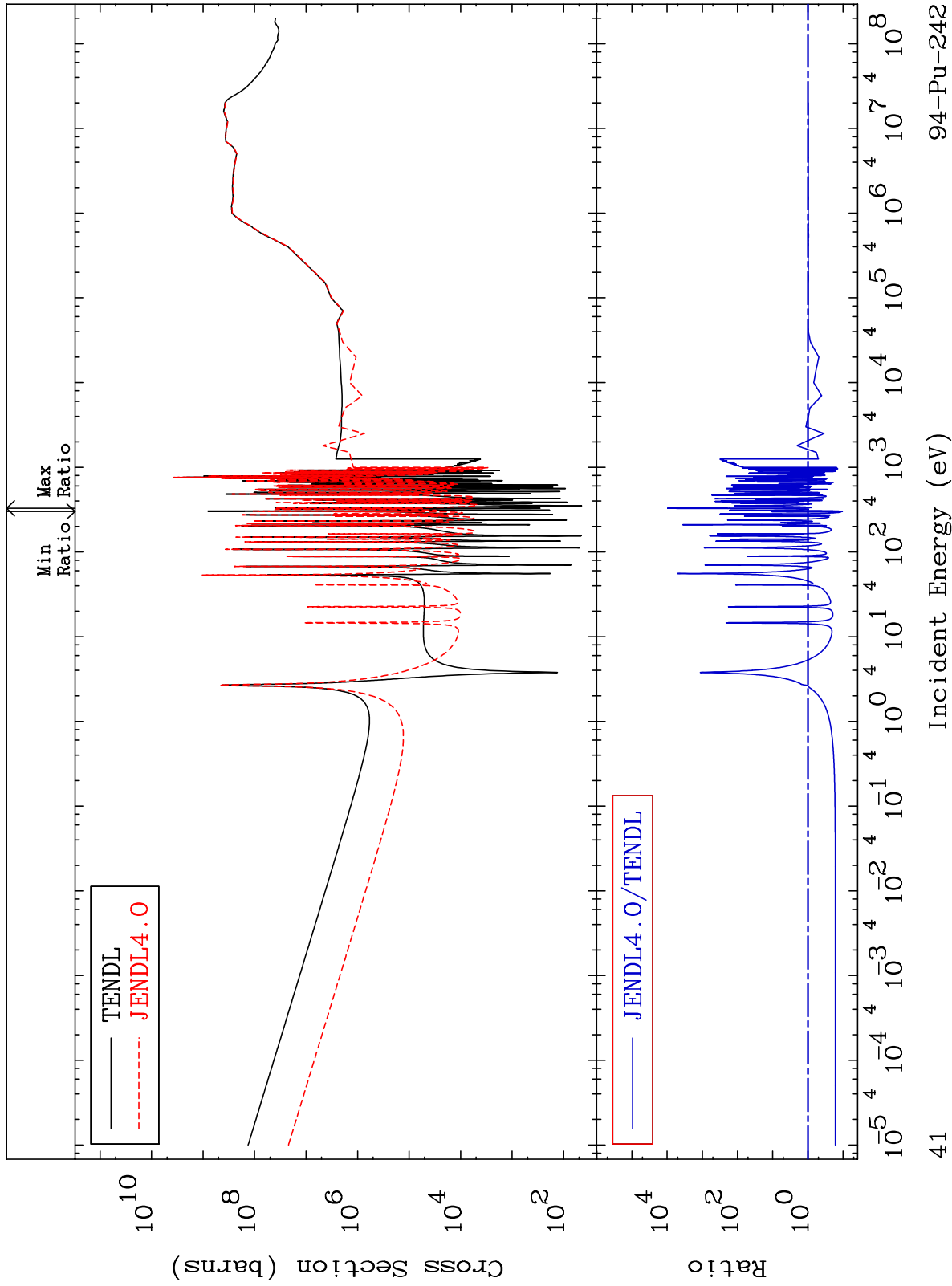
Incident Energy (eV)

94-Pu-242

MAT 9446

Total kinematic kerma (high limit)
Cross Section

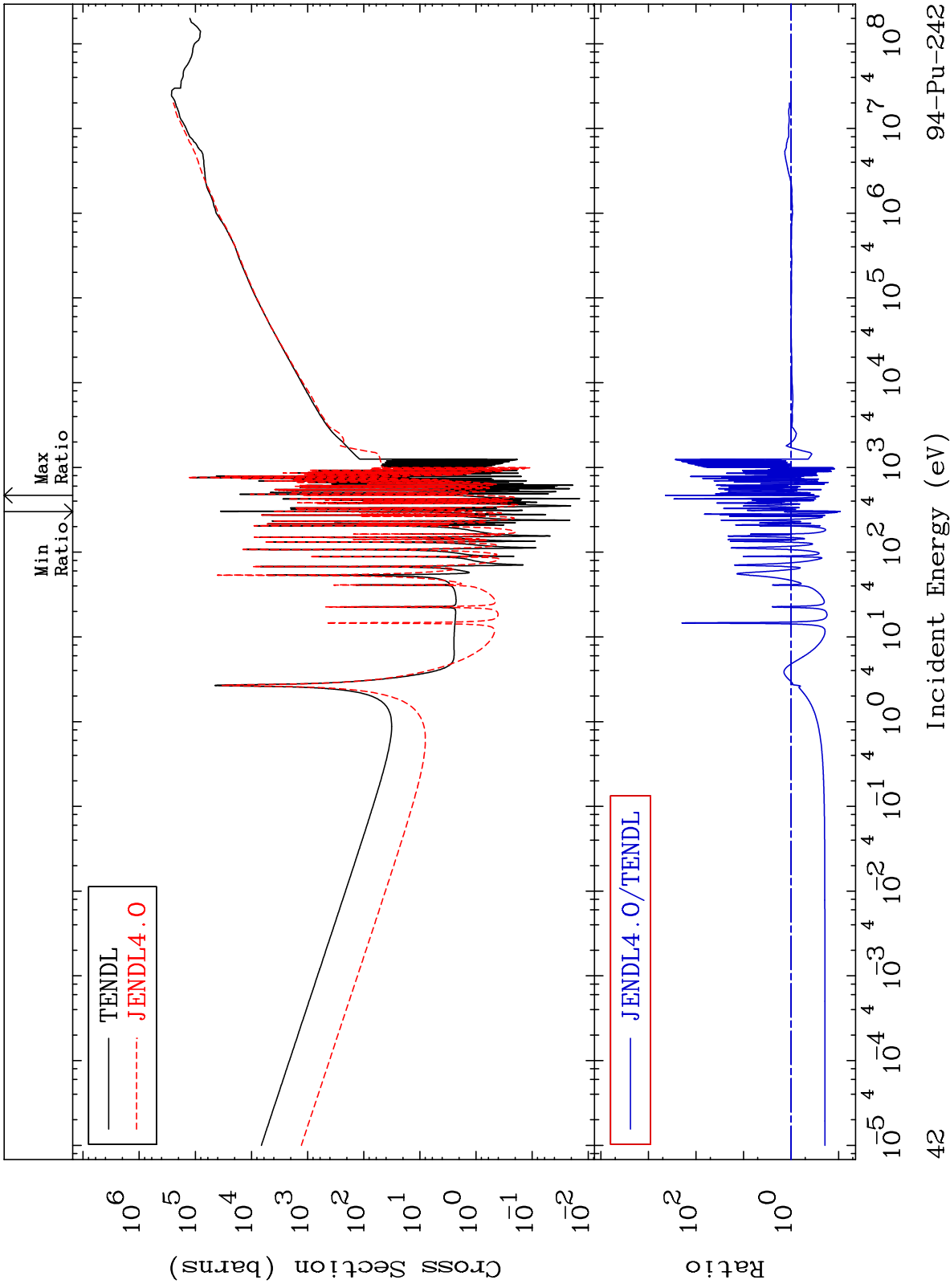
94-Pu-242
-89.73 To 9999. %



MAT 9446

Dpa total (eV-barns)
Cross Section

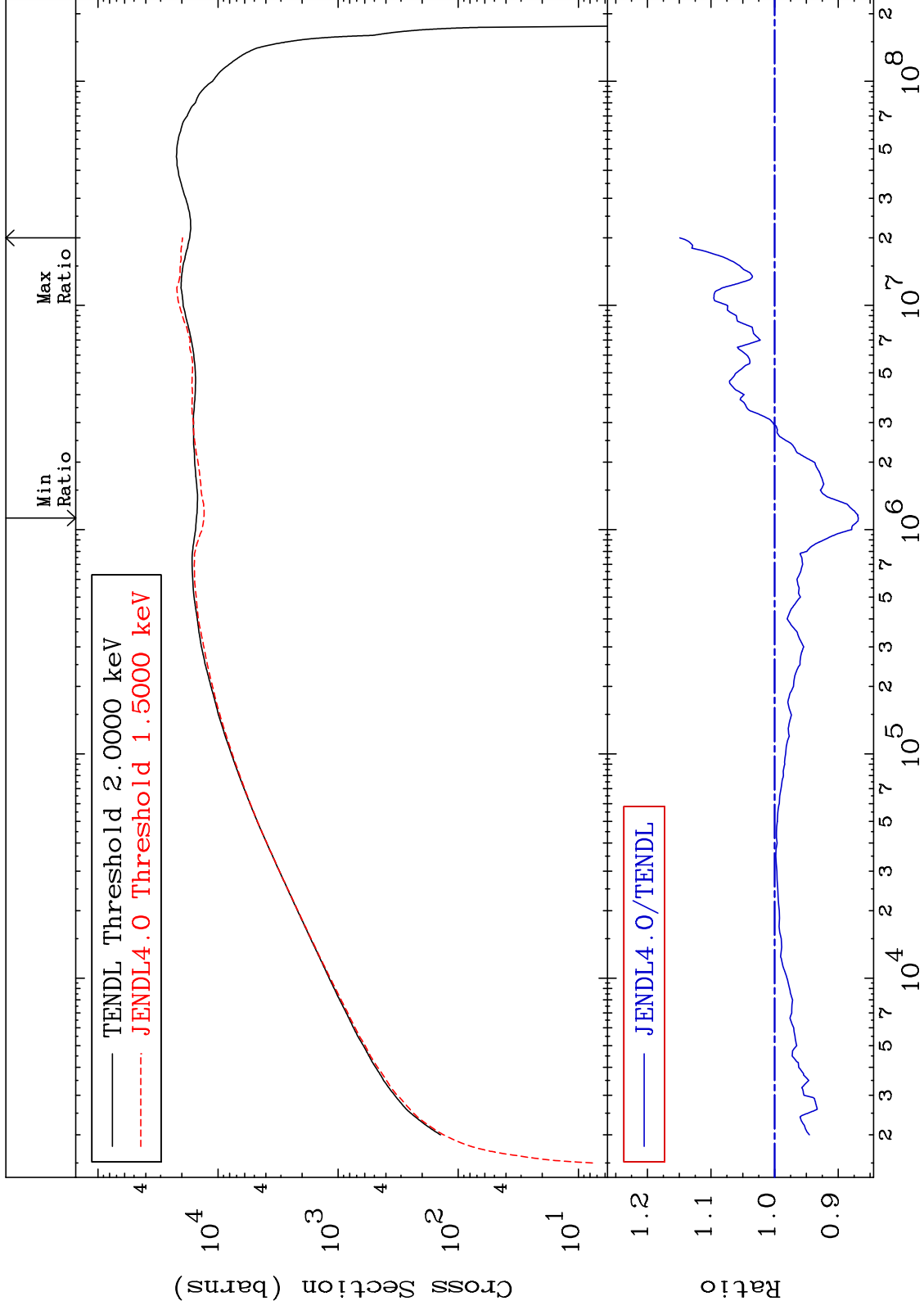
94-Pu-242
-90.96 To 9999. %



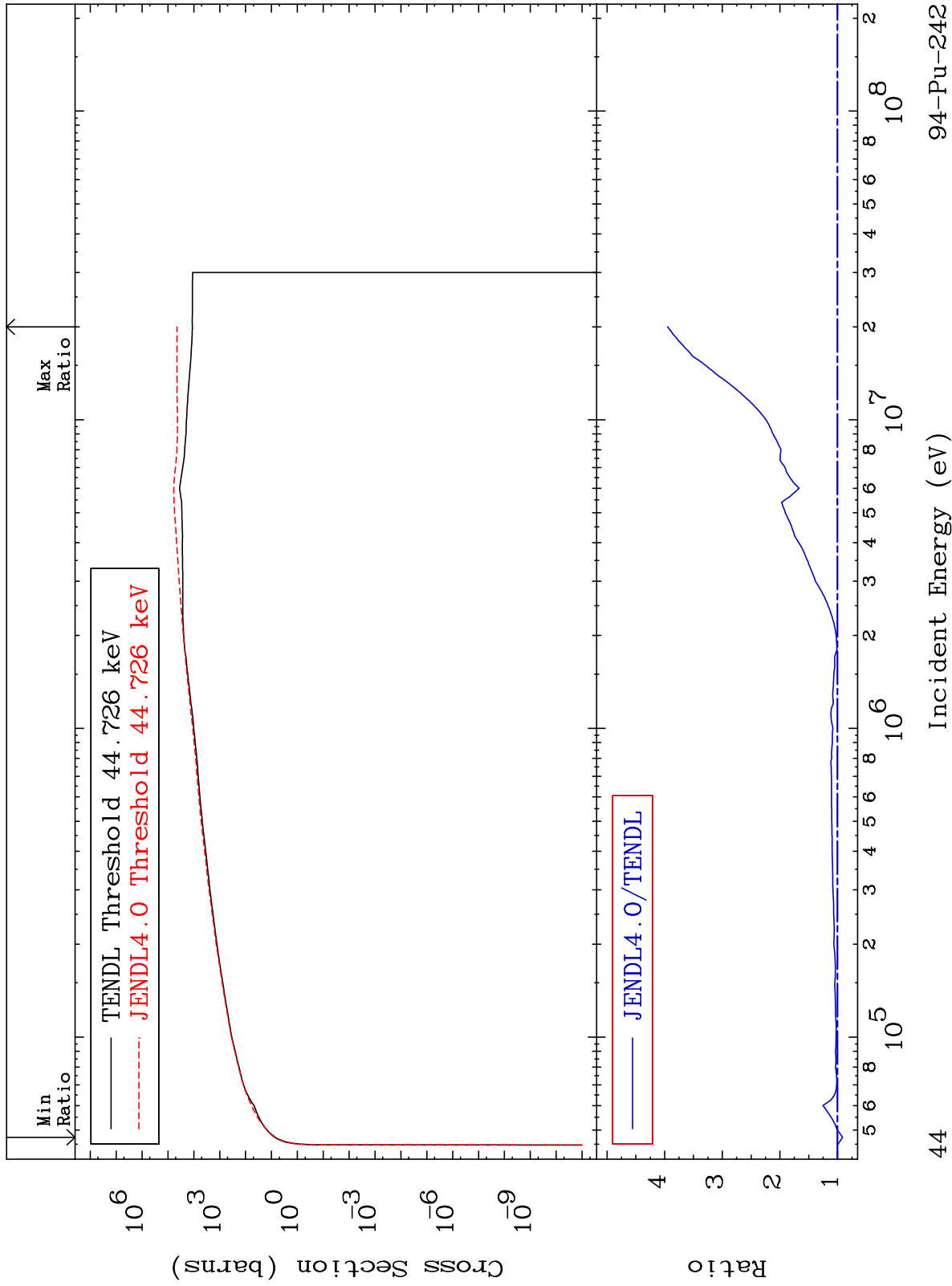
MAT 9446

Dpa elastic (mt2)
Cross Section

94-Pu-242
-13.16 To 14.91 %



MAT 9446 Dpa inelastic (mt51-91) 94-Pu-242
 Cross Section -8.901 To 295.0 %



MAT 9446

Dpa disappearance (mt102 -120)
Cross Section

94-Pu-242
-99.99 To 9999. %

