

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

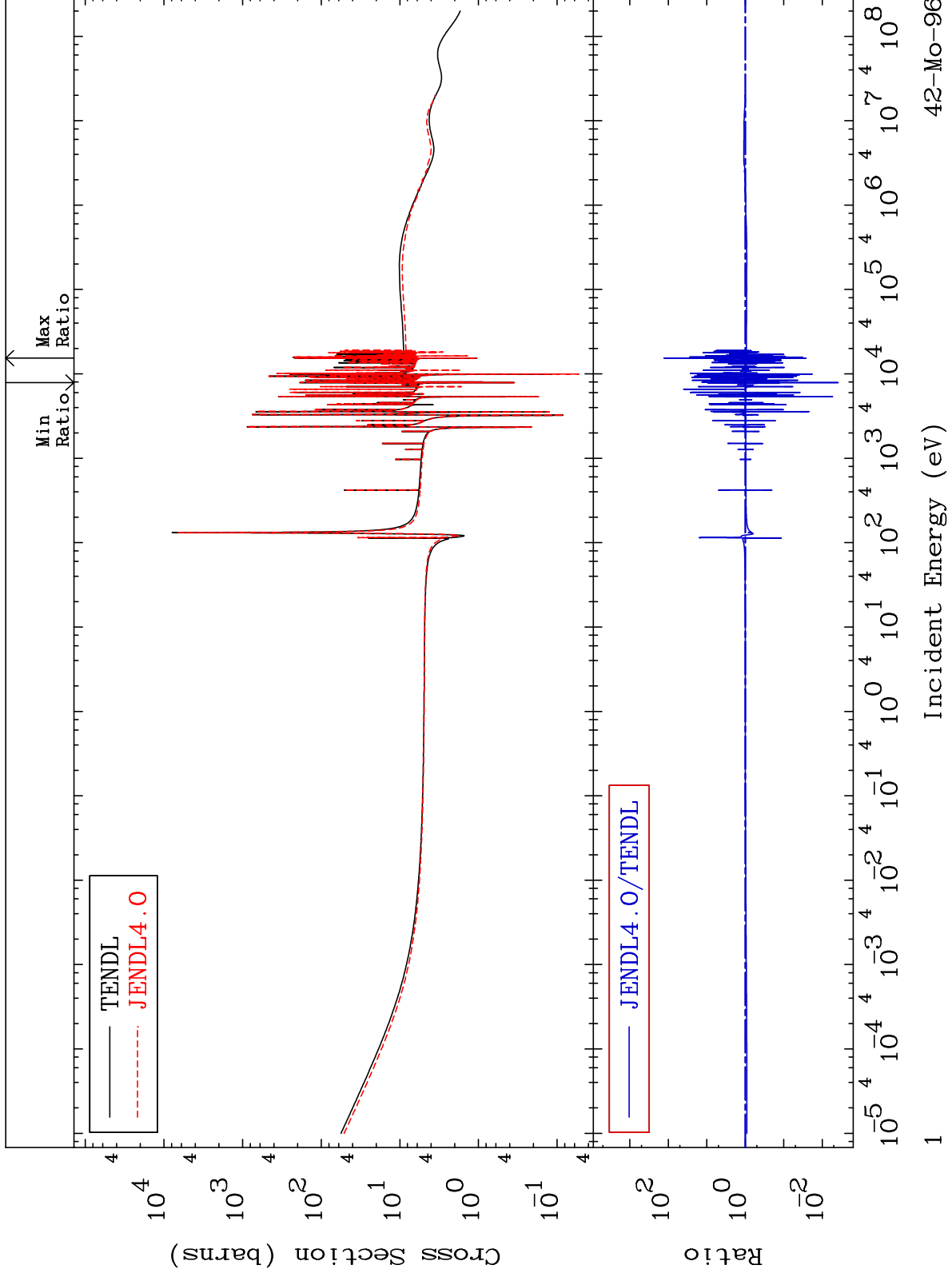
MAT 4237

Total

42-Mo-96

Cross Section

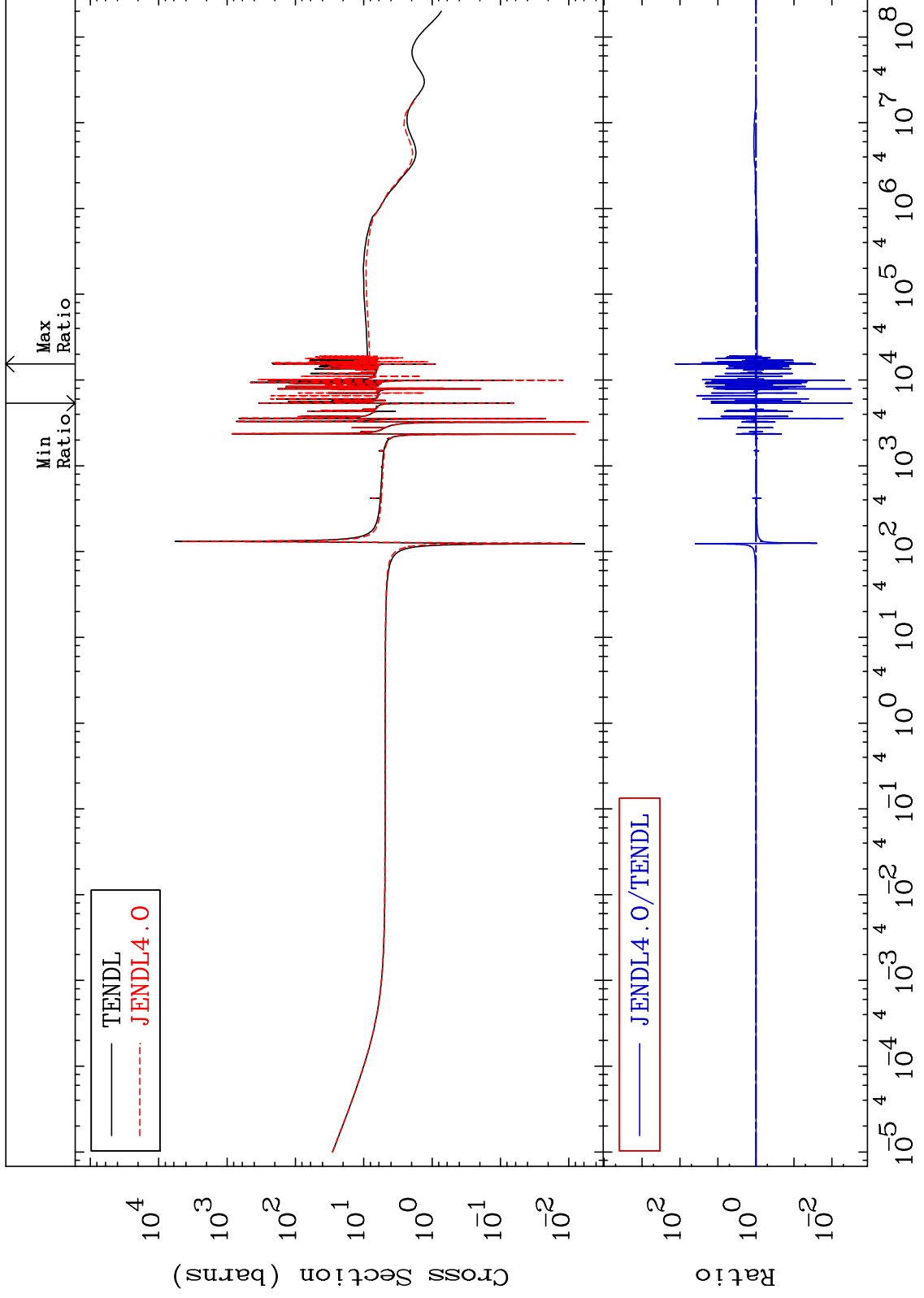
-99.62 To 9999. %



MAT 4237

Elastic
Cross Section

42-Mo-96
-99.71 To 9999. %



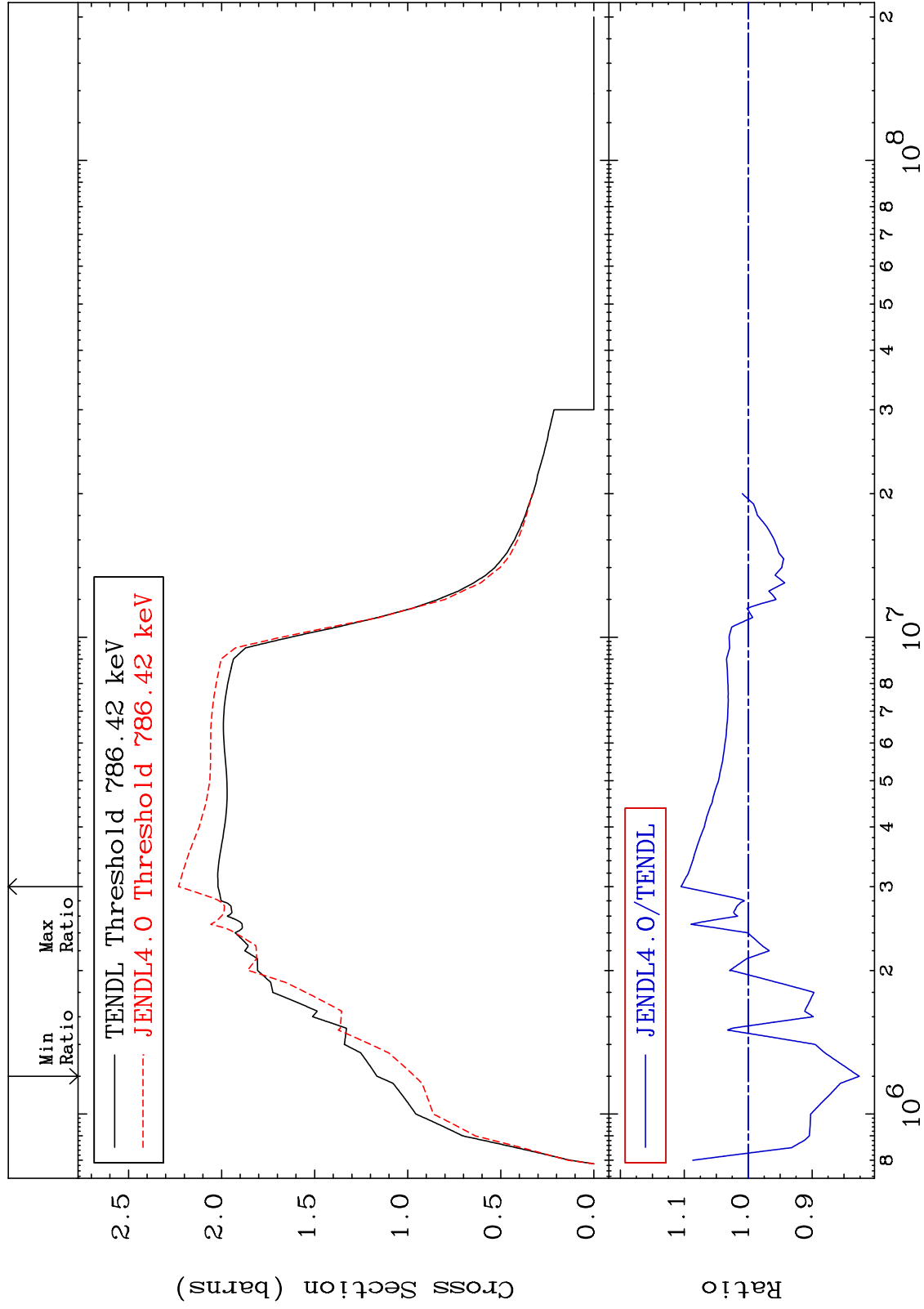
MAT 4237

Inelastic

42-Mo-96

Cross Section

-17.38 To 10.51 %



Incident Energy (eV)

42-Mo-96

3

MAT 4237

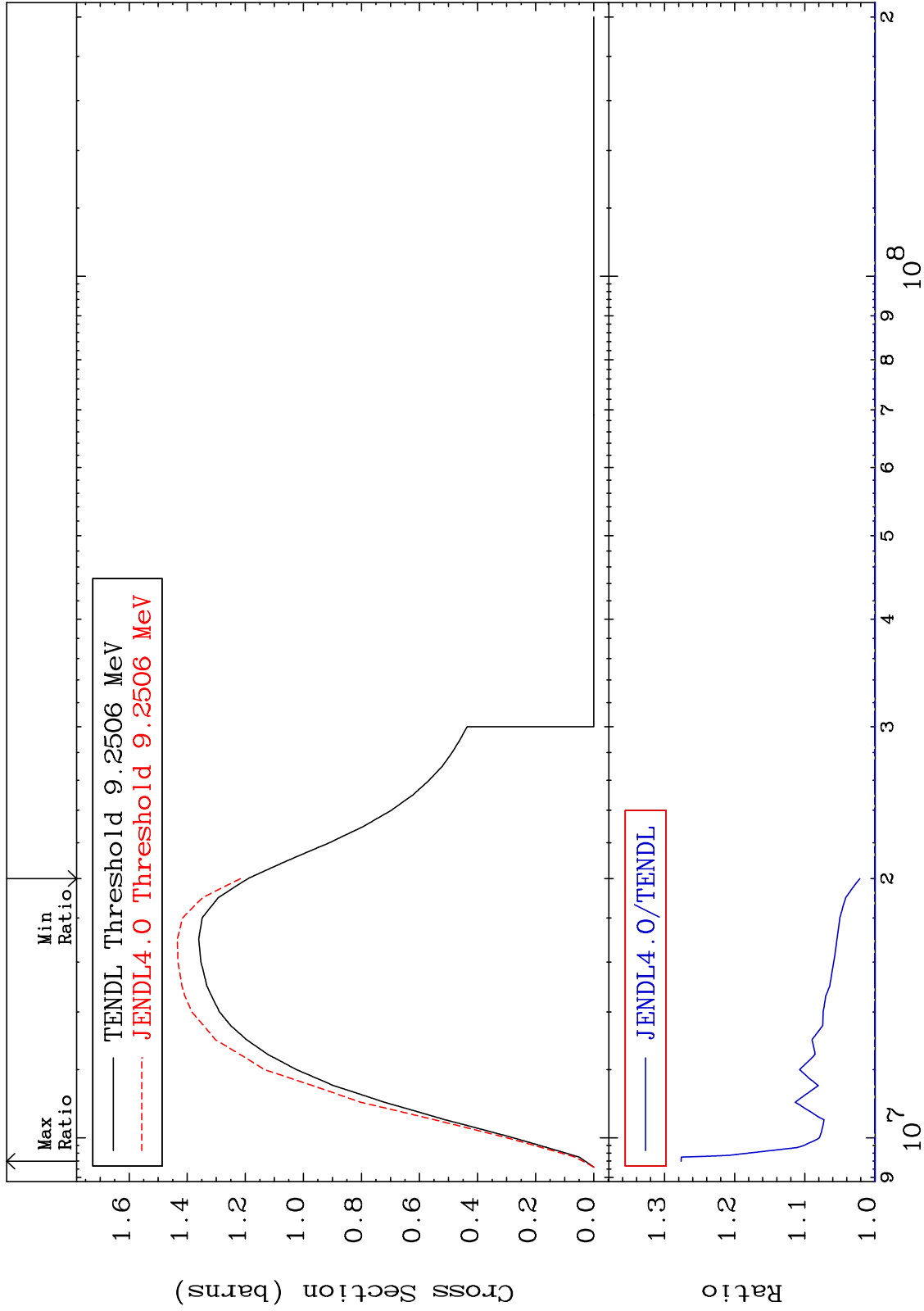
(n,2n)

42-Mo-96

Cross Section

2.127

To 27.63 %



4

Incident Energy (eV)

42-Mo-96

MAT 4237

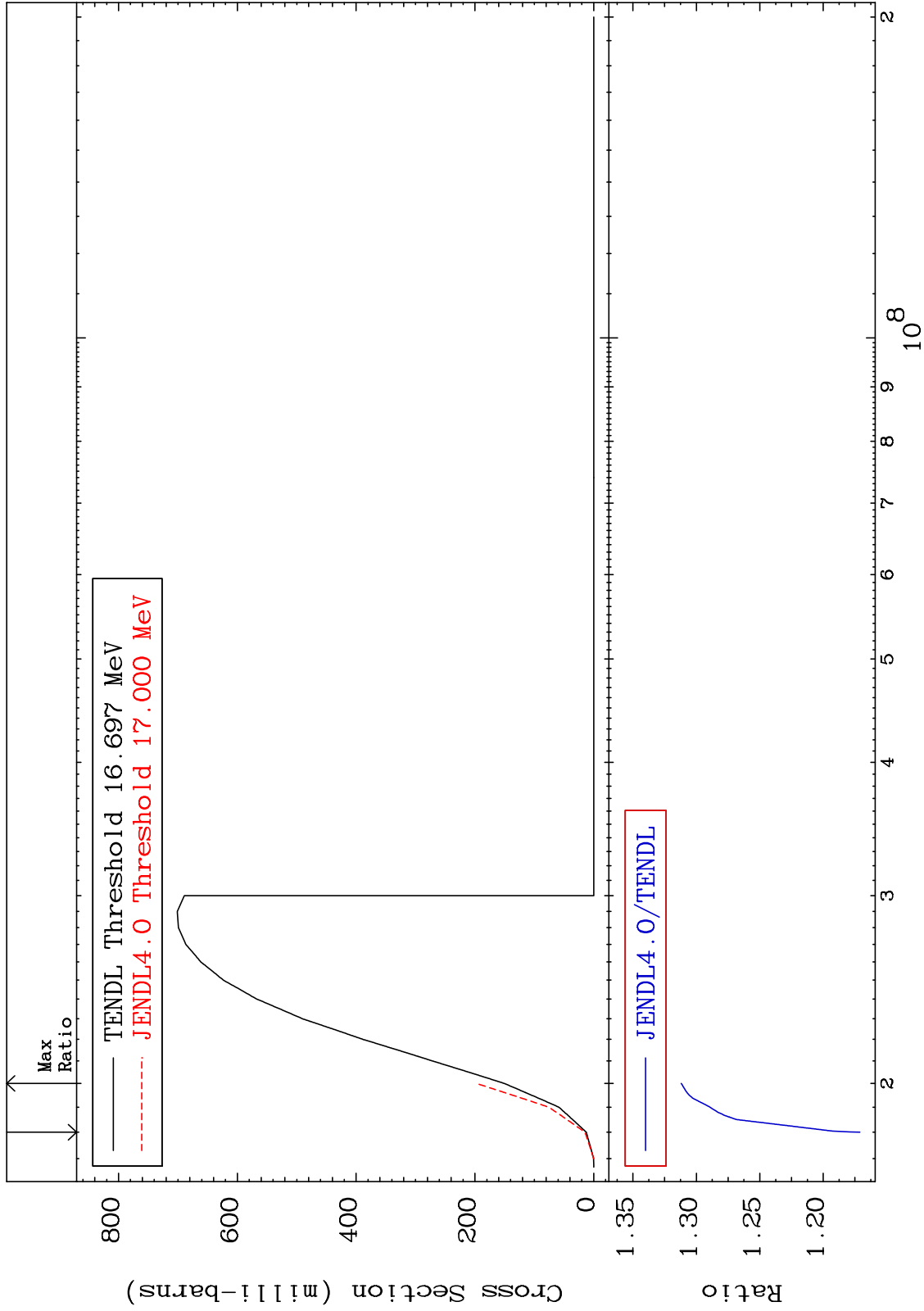
(n,3n)

42-Mo-96

Cross Section

17.11

To 31.19 %



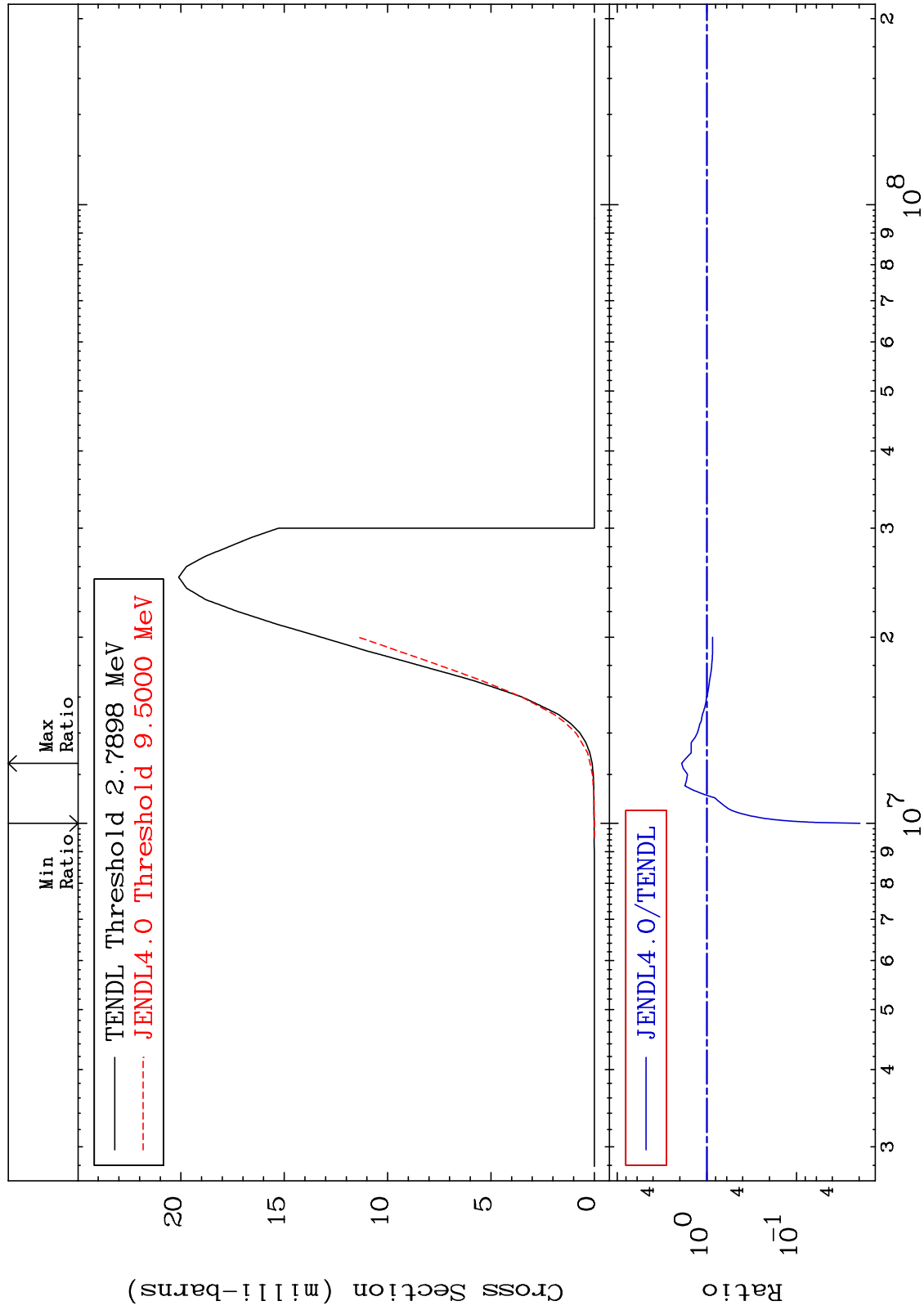
MAT 4237

(n, n') α

42-Mo-96

Cross Section

-98.04 To 91.33 %



6

Incident Energy (eV)

42-Mo-96

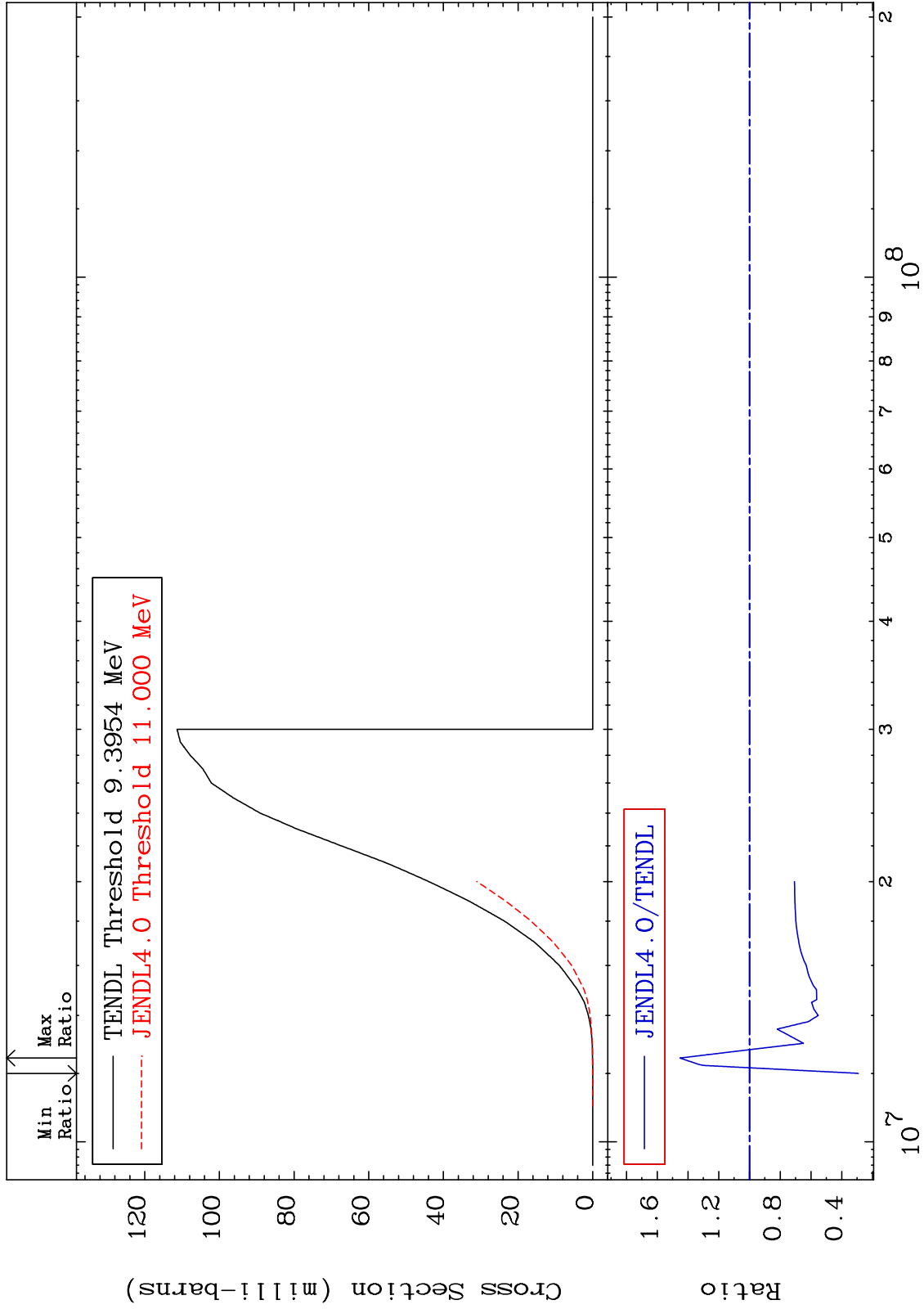
MAT 4237

(n,n') p

42-Mo-96

Cross Section

-70.86 To 45.16 %



Incident Energy (eV)

42-Mo-96

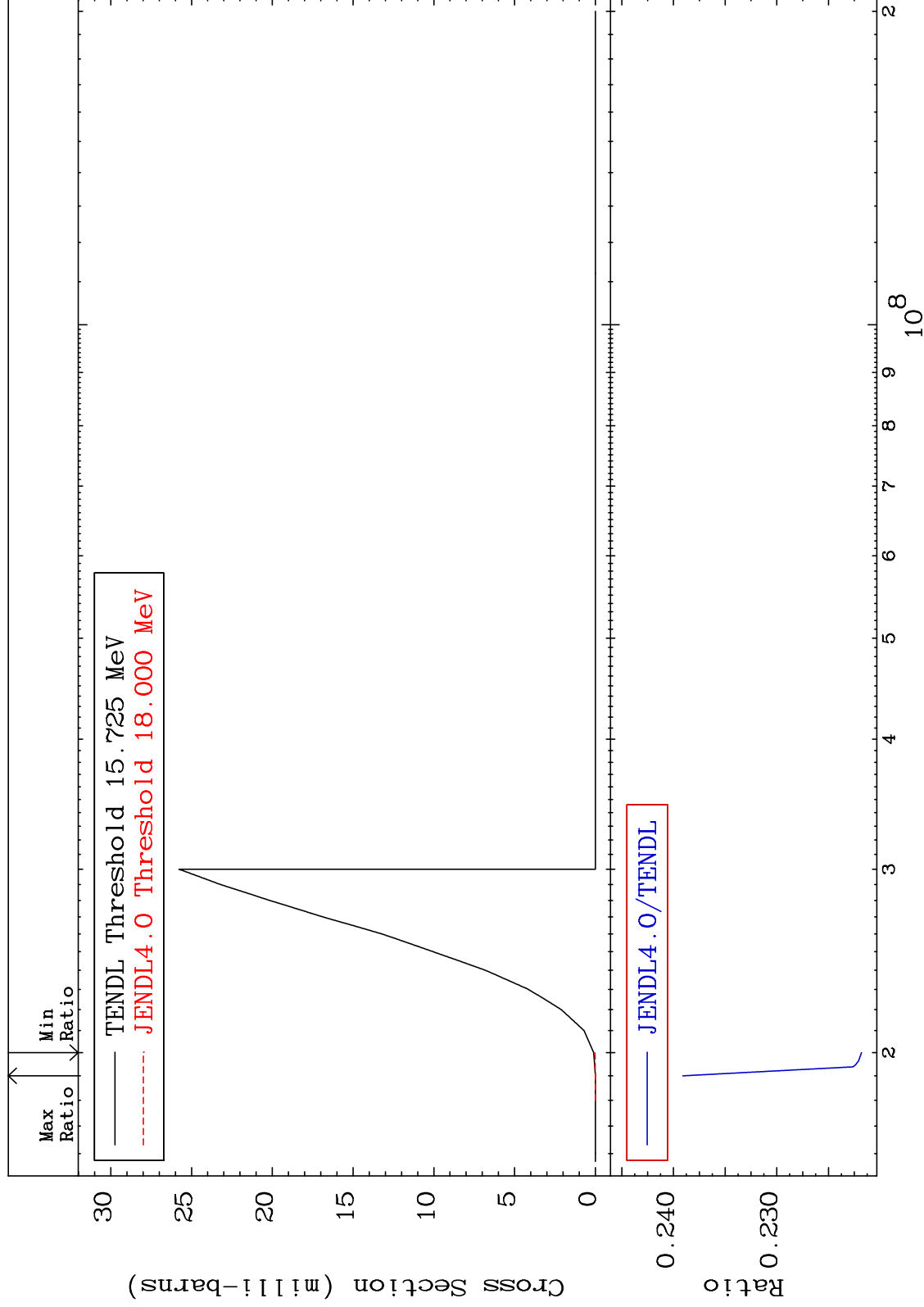
MAT 4237

(n,n') d

42-Mo-96

Cross Section

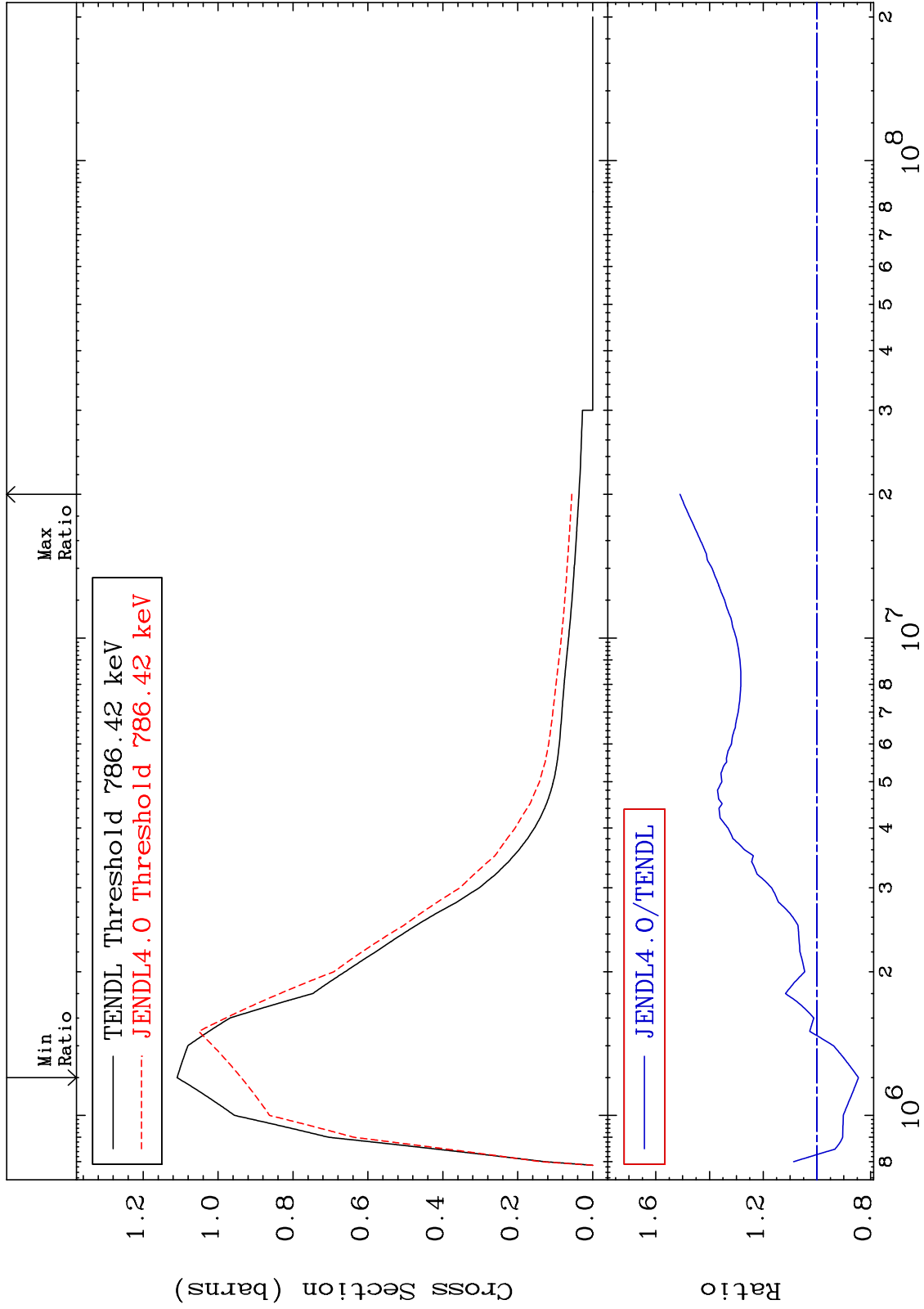
-77.82 To -76.09%



MAT 4237

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

42-Mo-96
-15.44 To 50.98 %



9

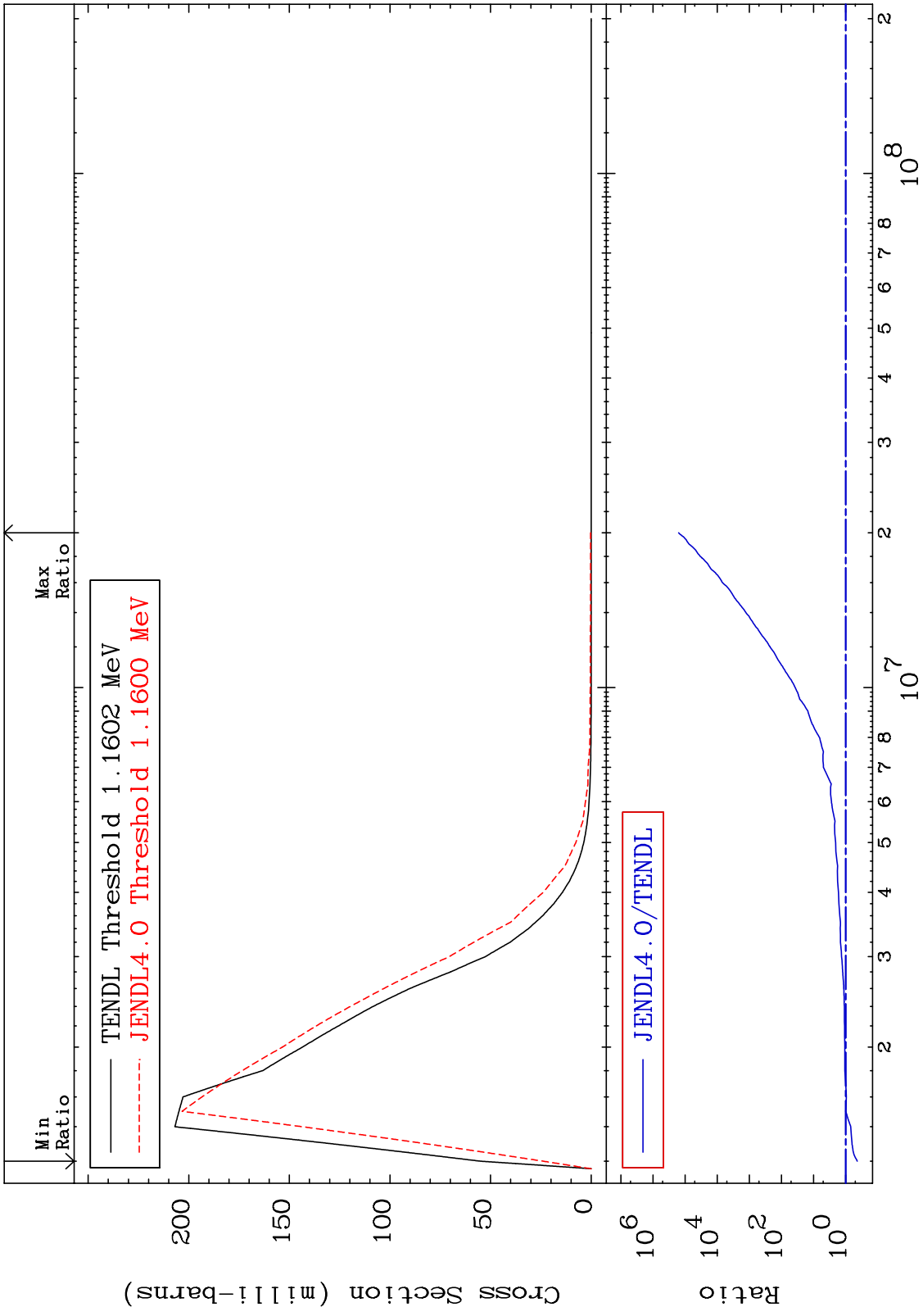
Incident Energy (eV)

42-Mo-96

MAT 4237

MT= 52 (n,n') Level
Cross Section

42-Mo-96
-56.57 To 9999. %



10

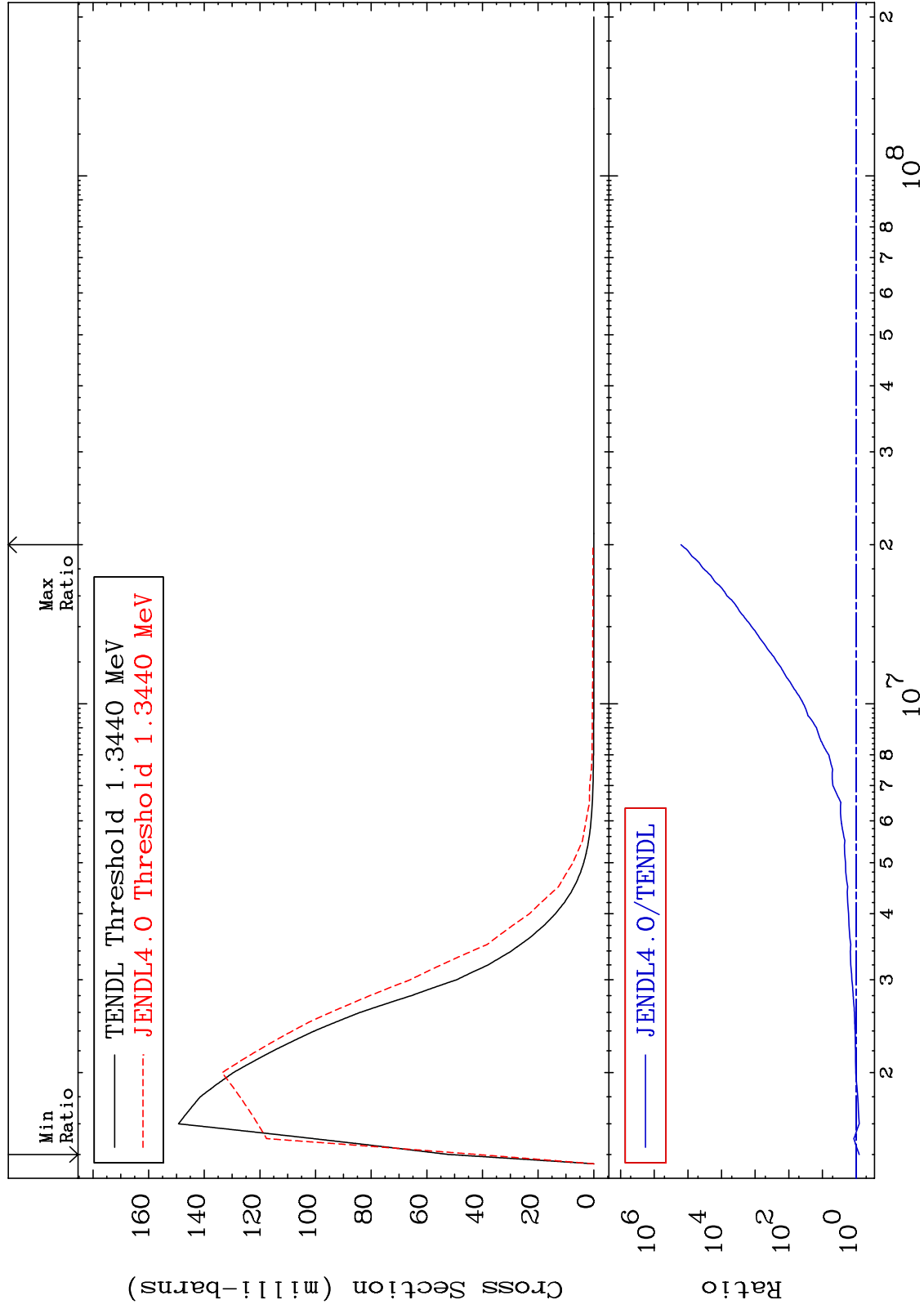
Incident Energy (eV)

42-Mo-96

MAT 4237

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

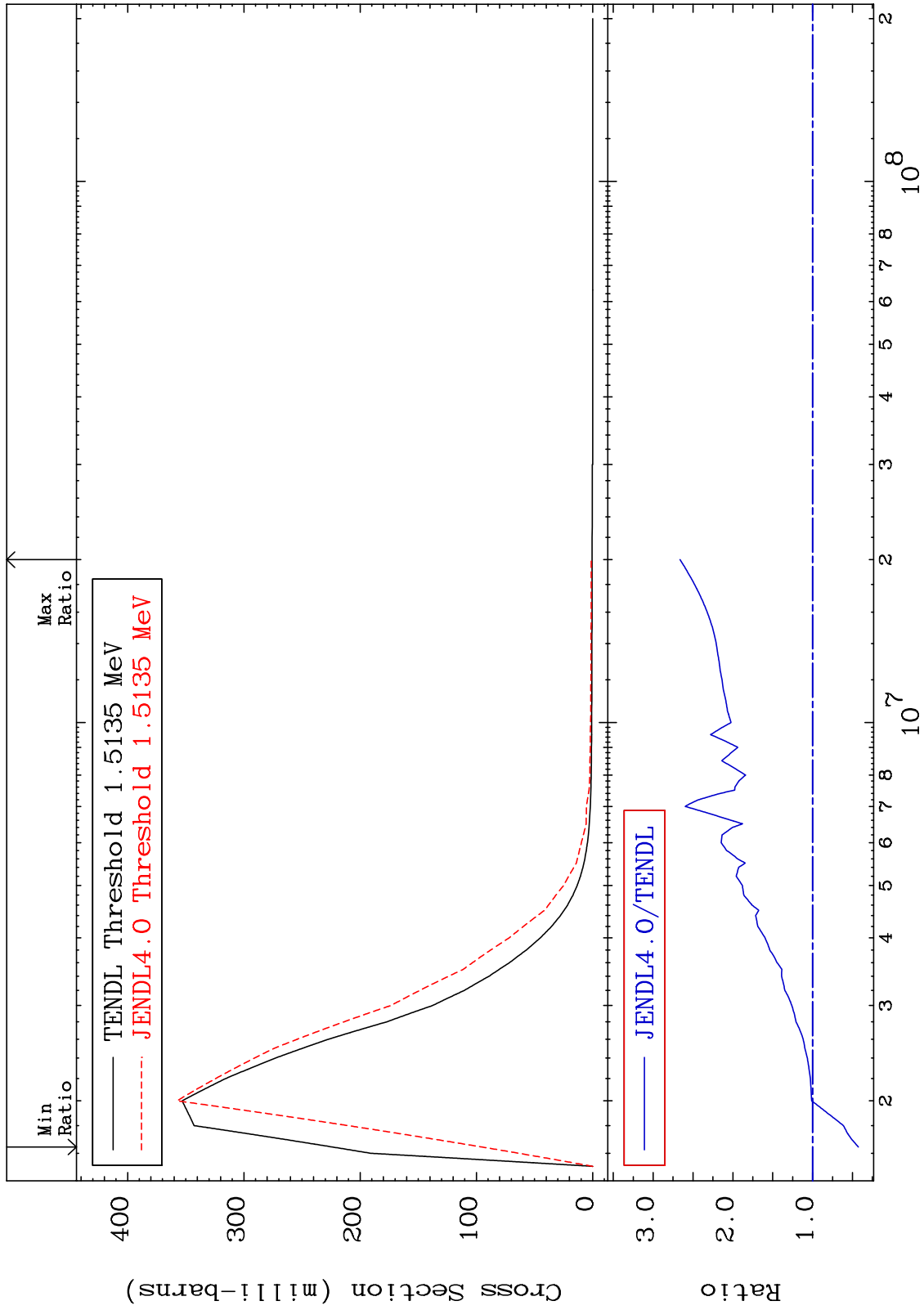
42-Mo-96
-19.32 To 9999. %



MAT 4237

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

42-Mo-96
-57.46 To 166.2 %



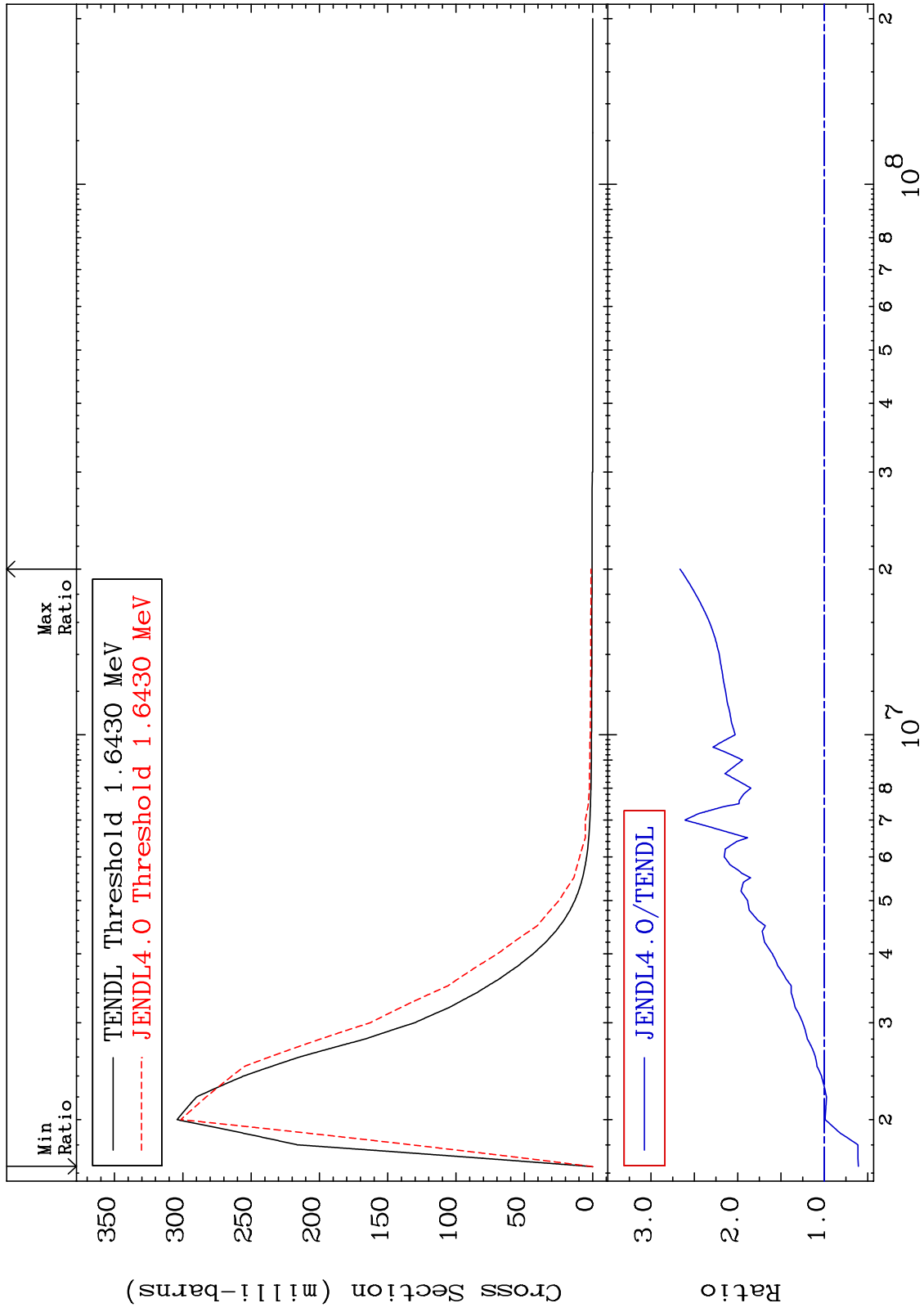
12

42-Mo-96

MAT 4237

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

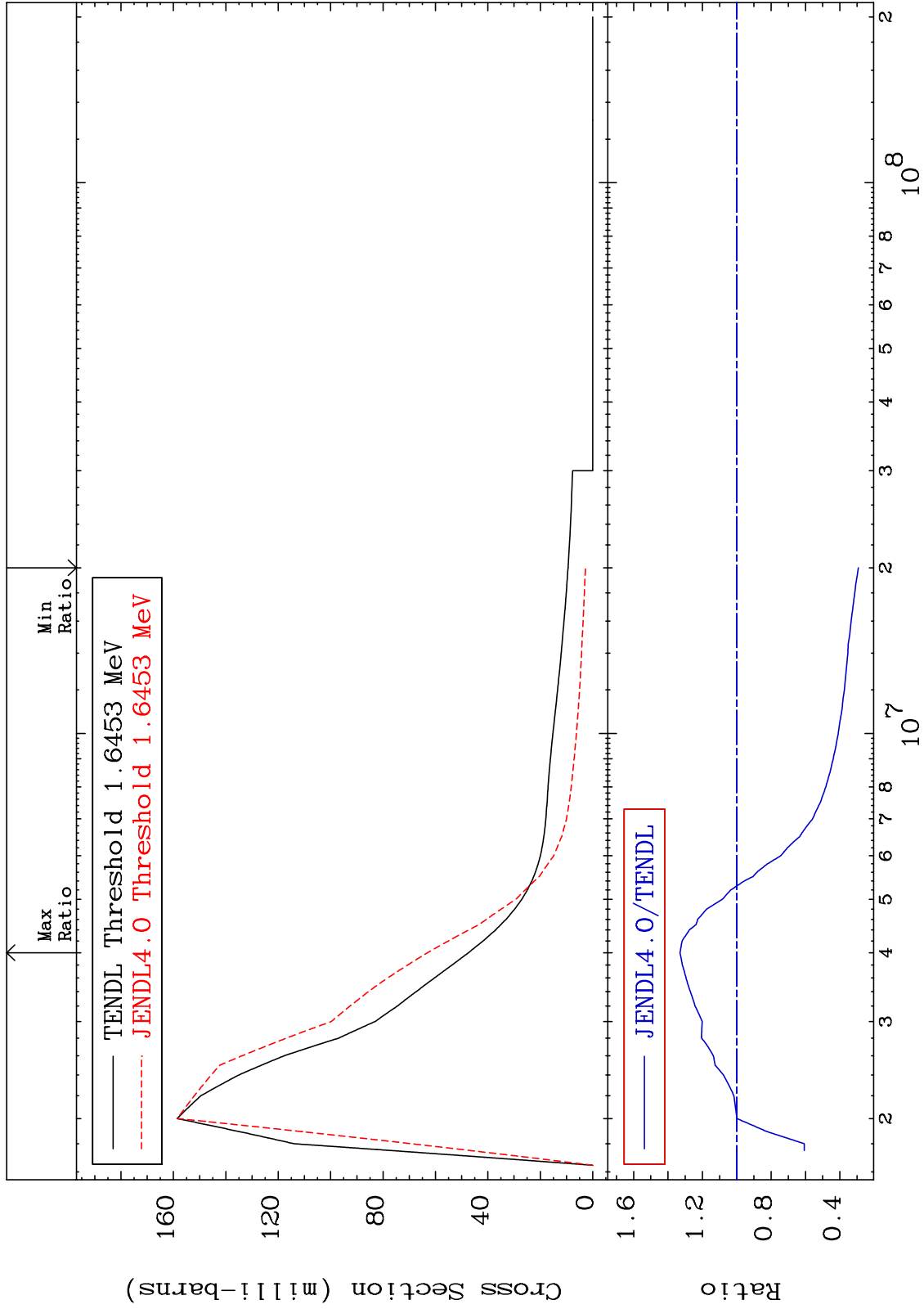
42-Mo-96
-39.29 To 166.5 %



MAT 4237

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

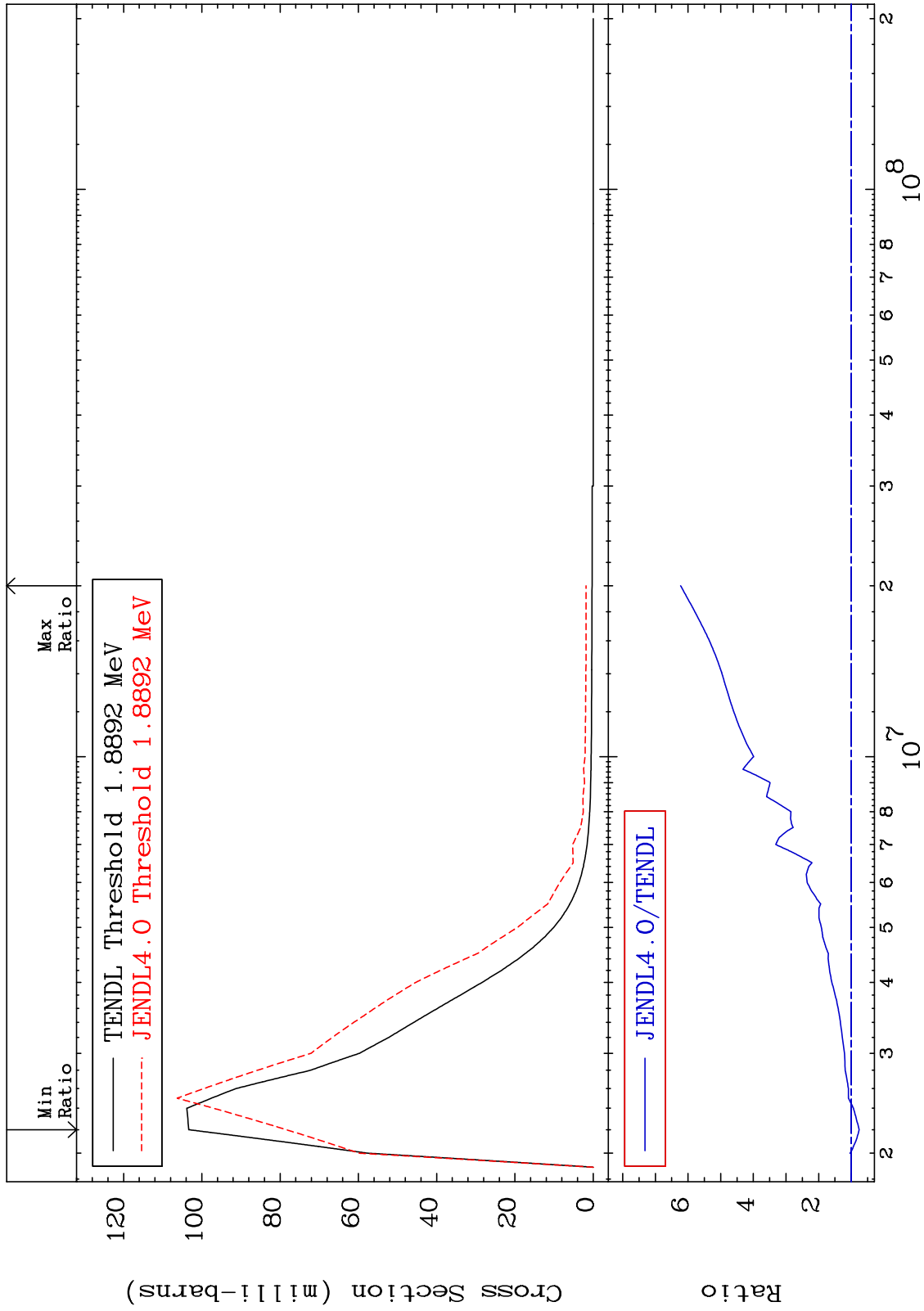
42-Mo-96
-70.79 To 33.00 %



MAT 4237

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

42-Mo-96
-24.13 To 522.7 %



15

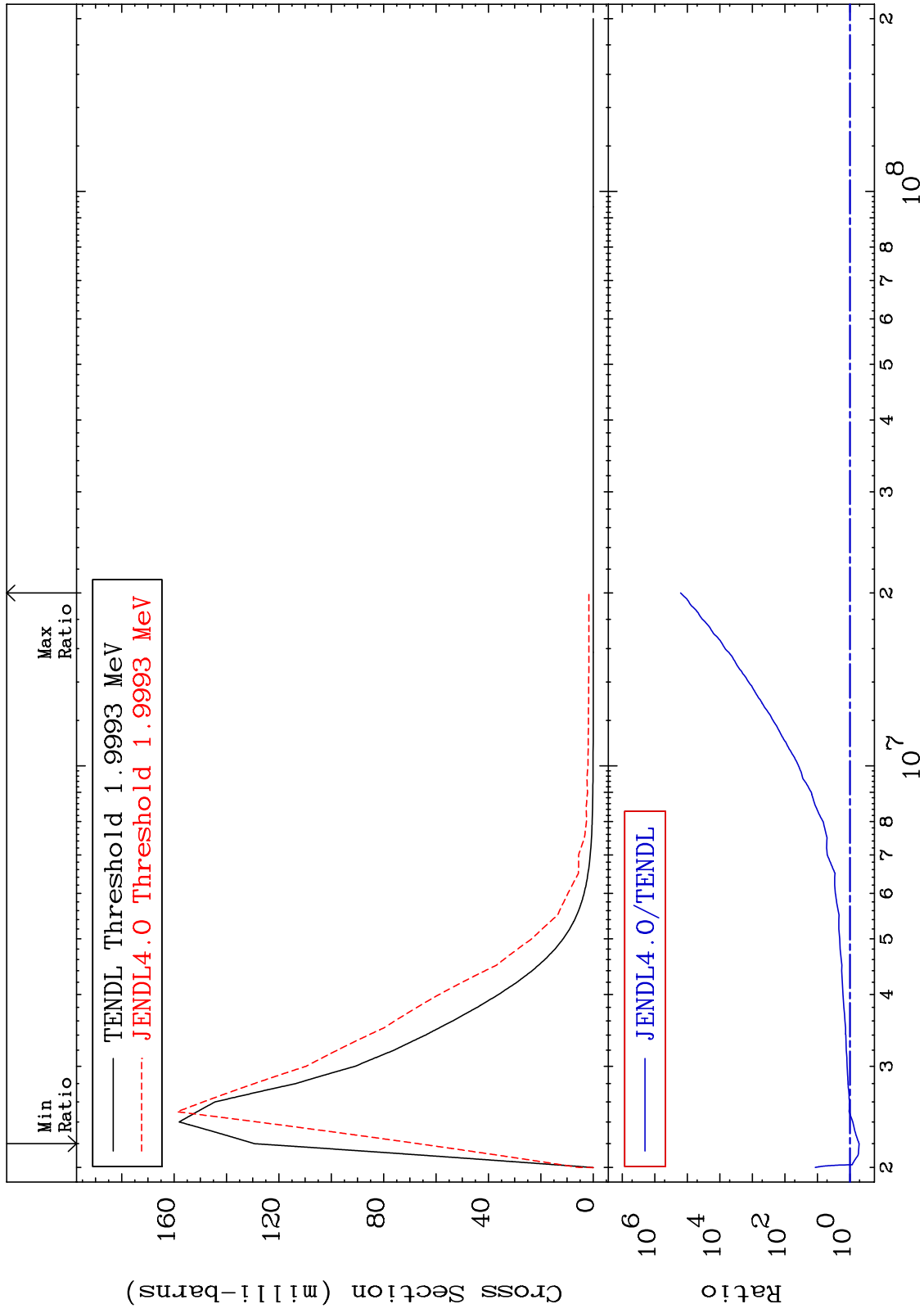
Incident Energy (eV)

42-Mo-96

MAT 4237

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

42-Mo-96
-48.33 To 9999. %



16

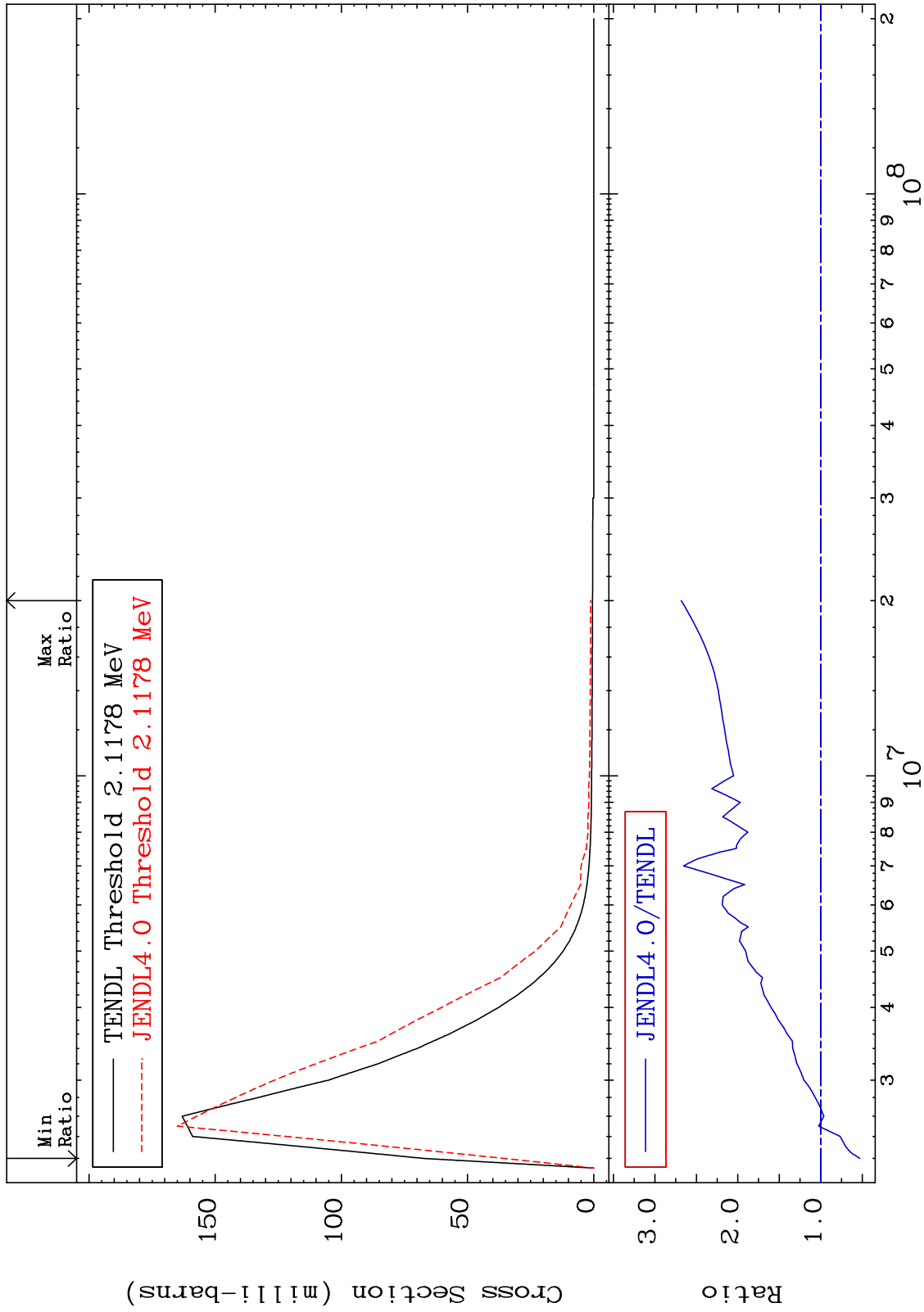
Incident Energy (eV)

42-Mo-96

MAT 4237

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

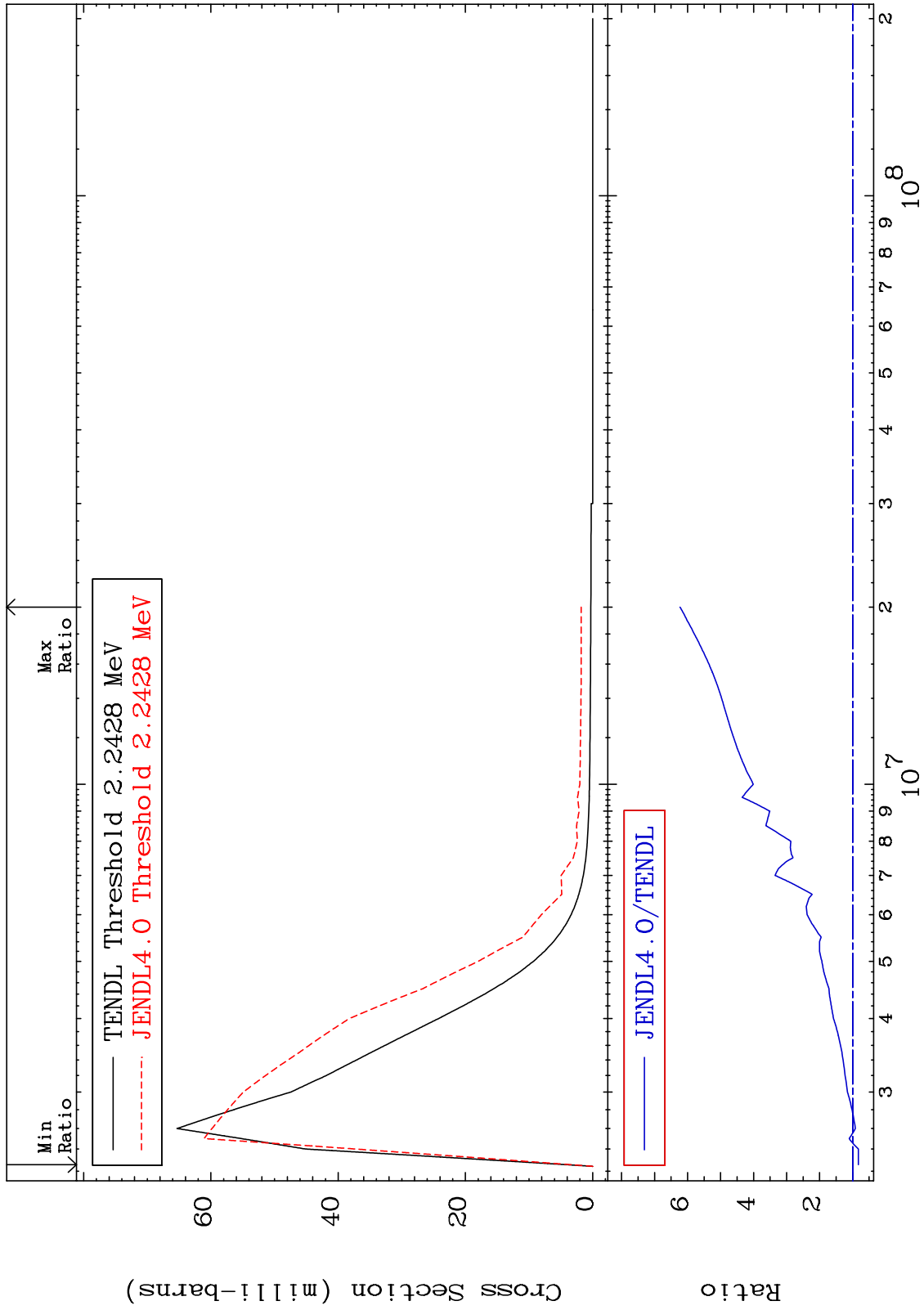
42-Mo-96
-47.16 To 168.2 %



MAT 4237

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

42-Mo-96
-17.59 To 523.0 %



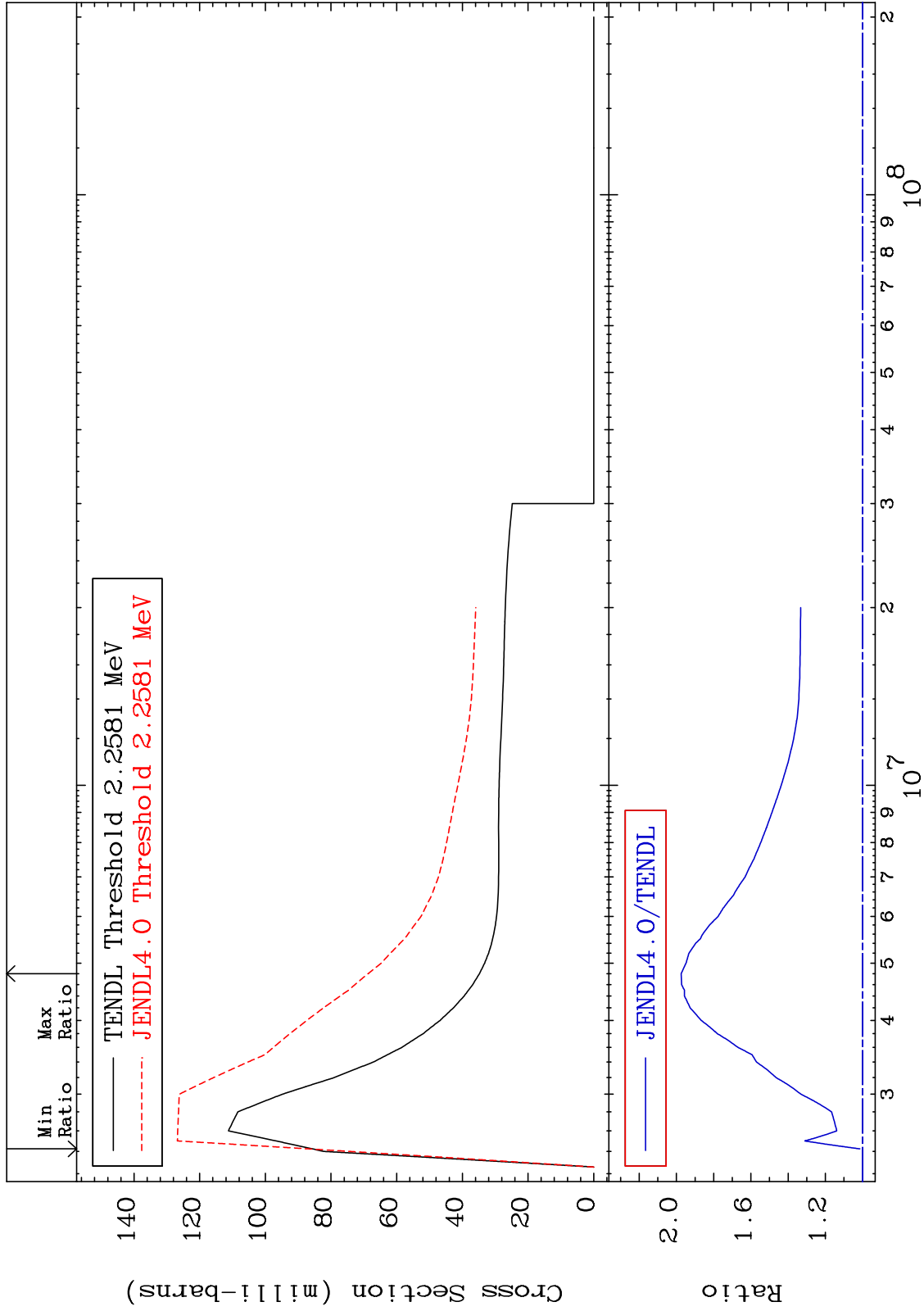
18

42-Mo-96

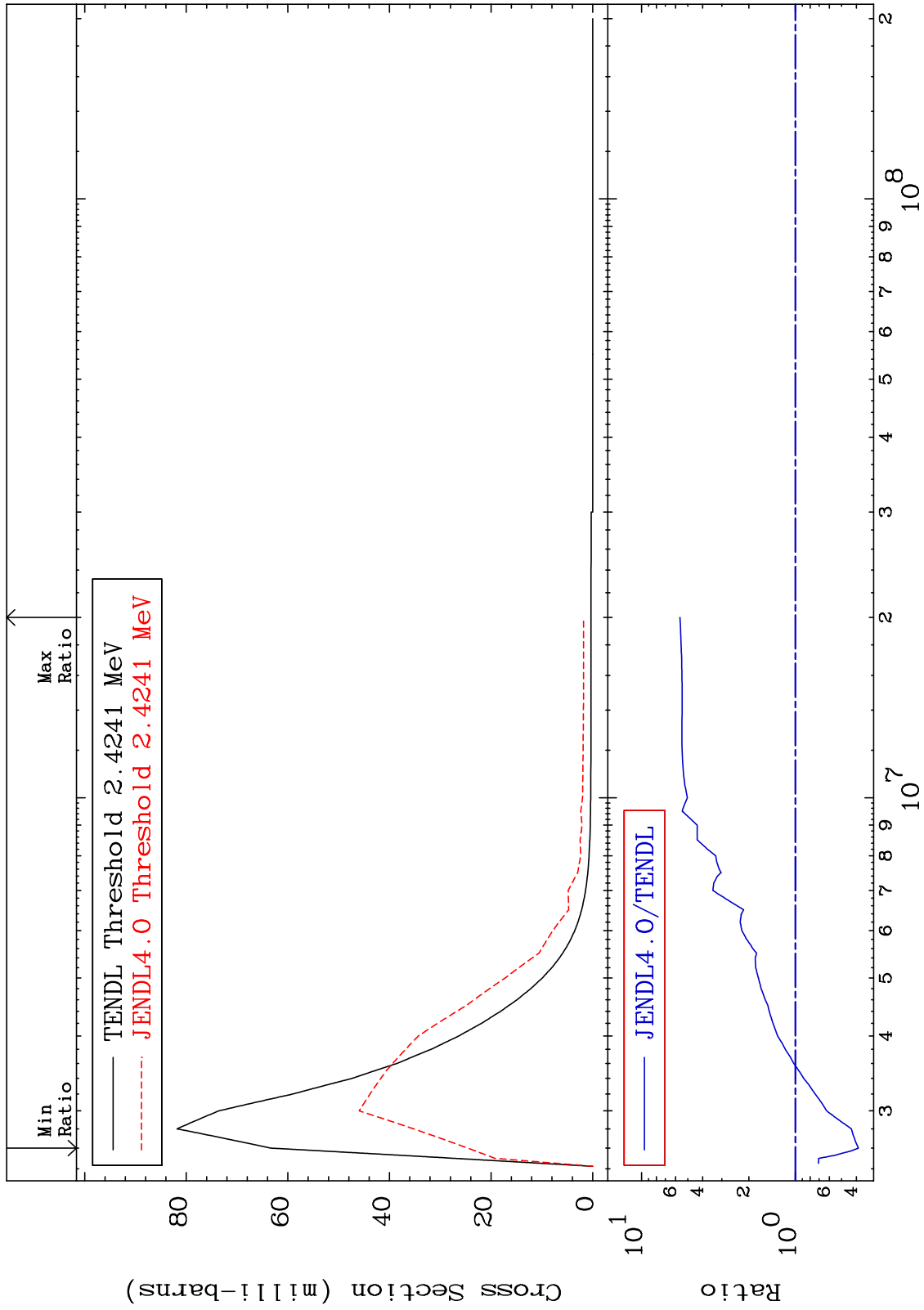
MAT 4237

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

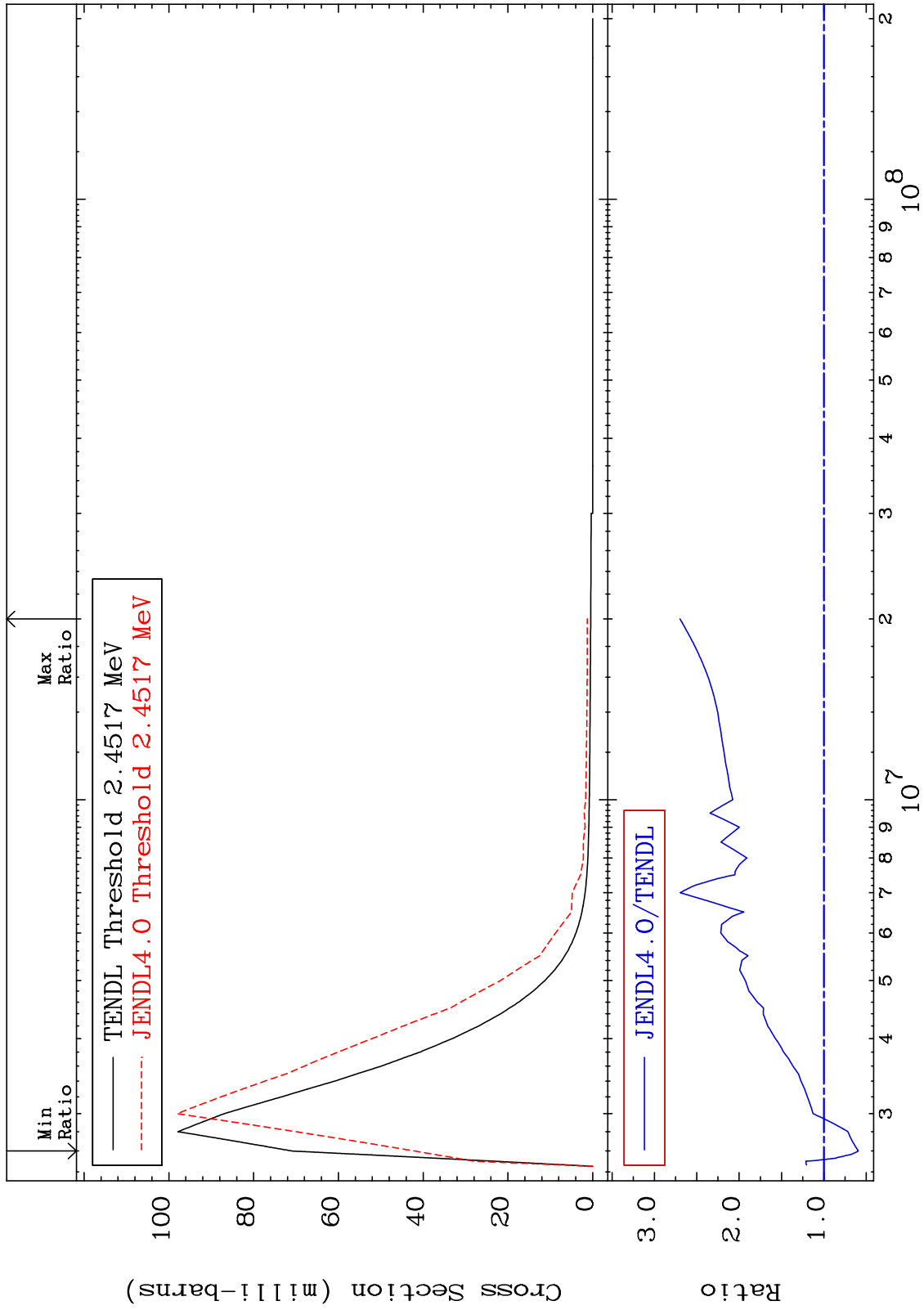
1.436 To 97.43 %
42-Mo-96



MAT 4237 MT= 62 (n,n') Level Cross Section -61.18 To 461.9 % 42-Mo-96



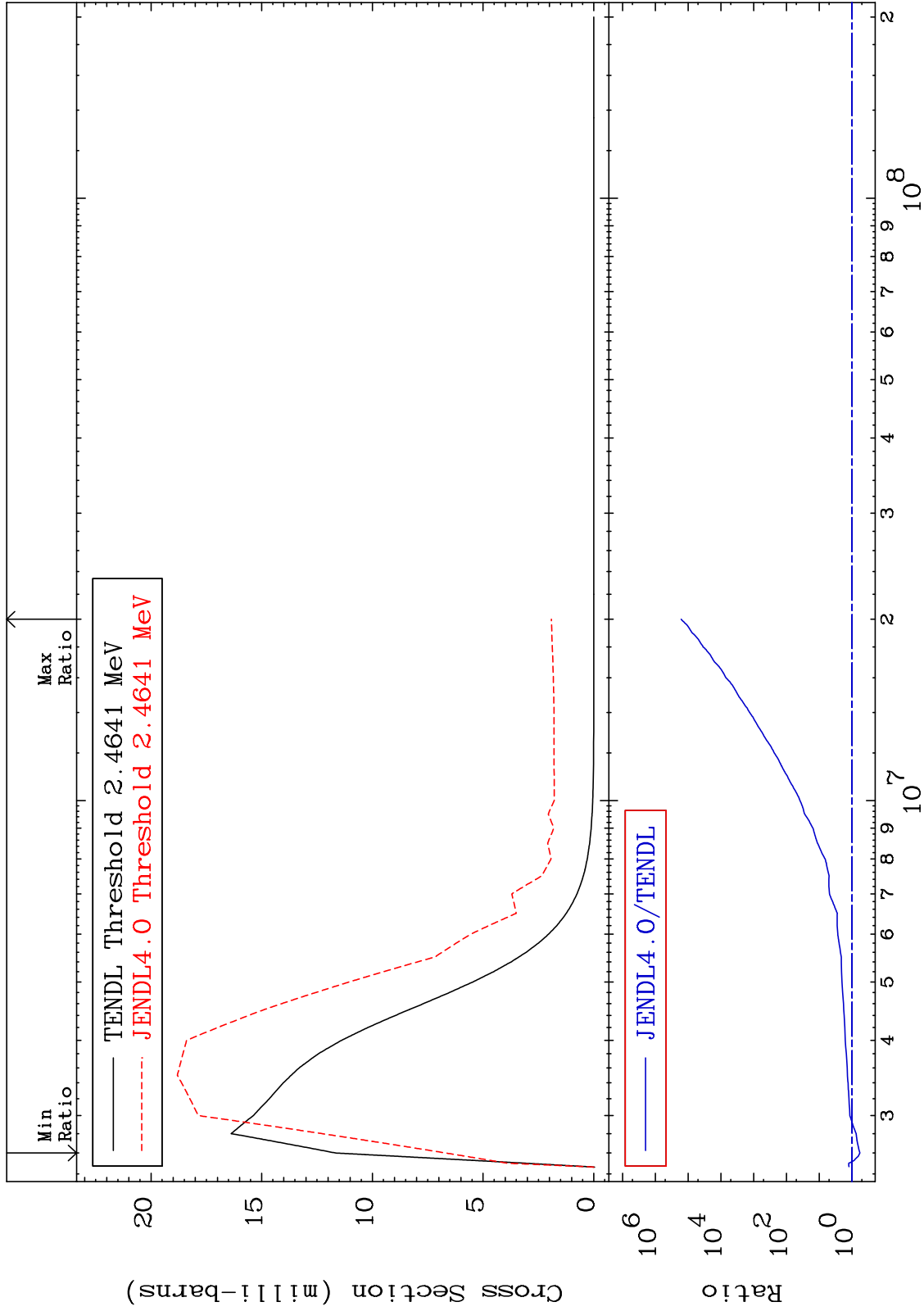
MAT 4237 MT= 63 (n,n') Level Cross Section -40.76 To 169.8 % 42-Mo-96



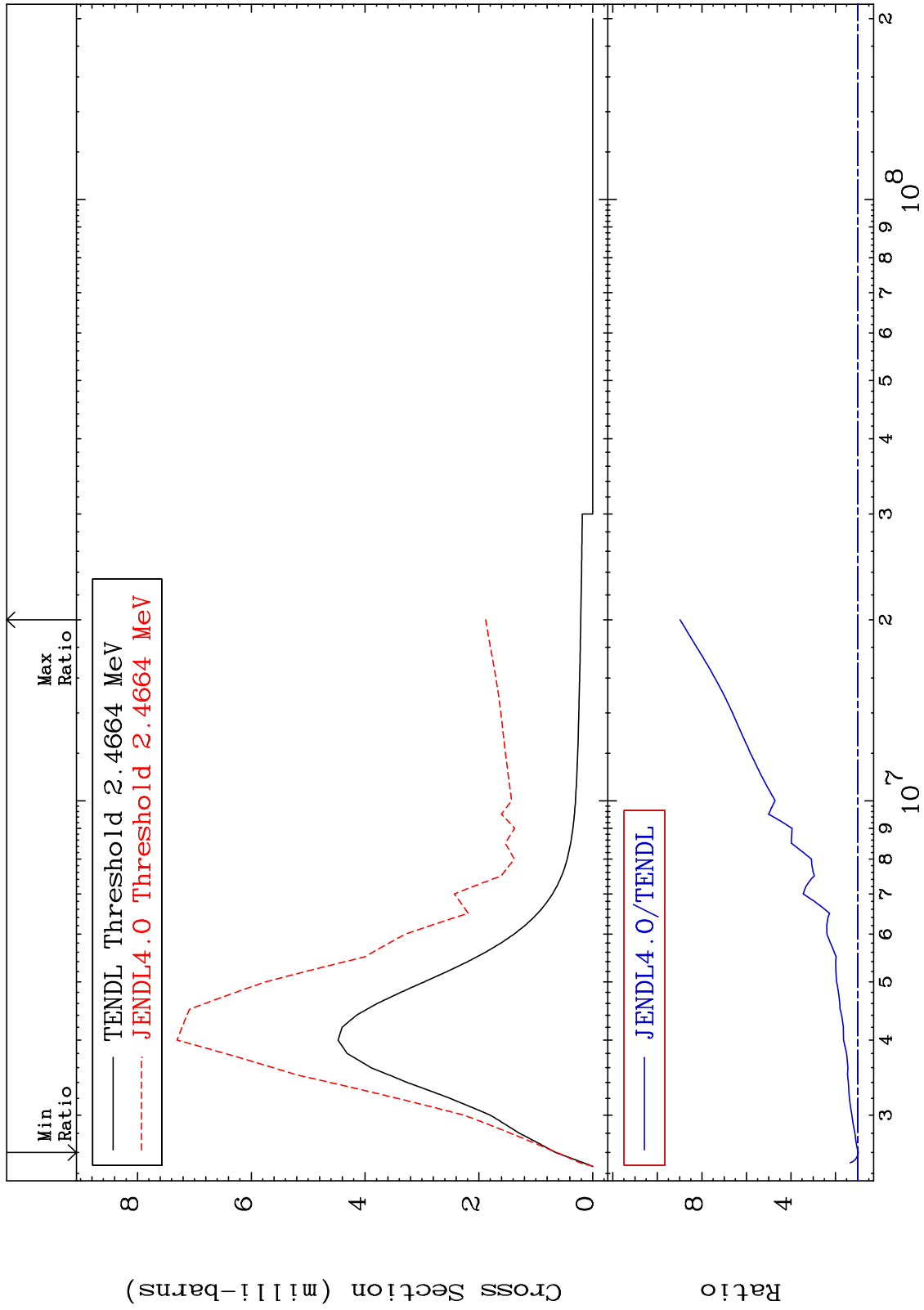
MAT 4237

MT= 64 (n,n') Level
Cross Section

42-Mo-96
-42.64 To 9999. %



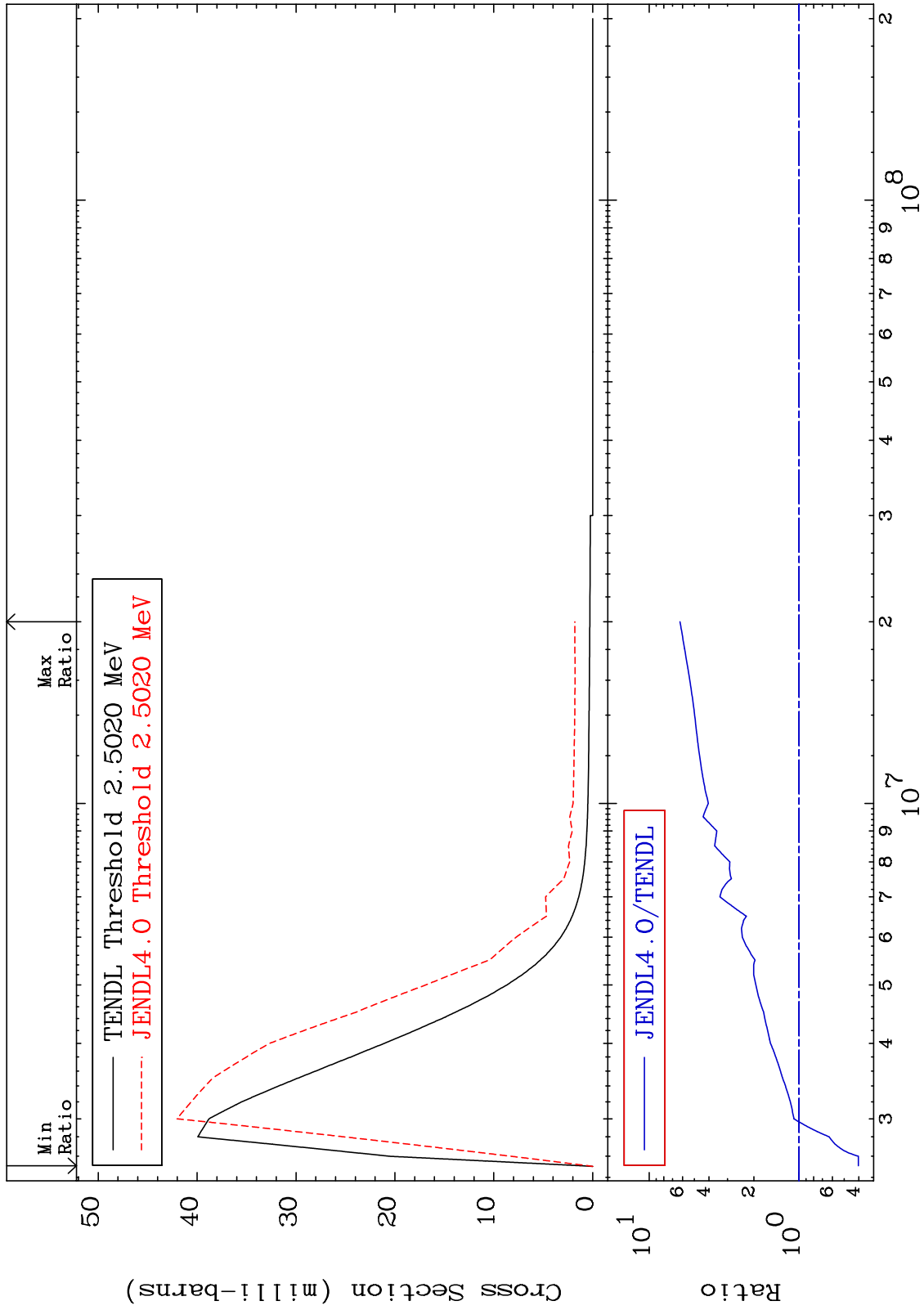
MAT 4237 MT= 65 (n,n') Level Cross Section 42-Mo-96
 -3.576 To 798.2 %



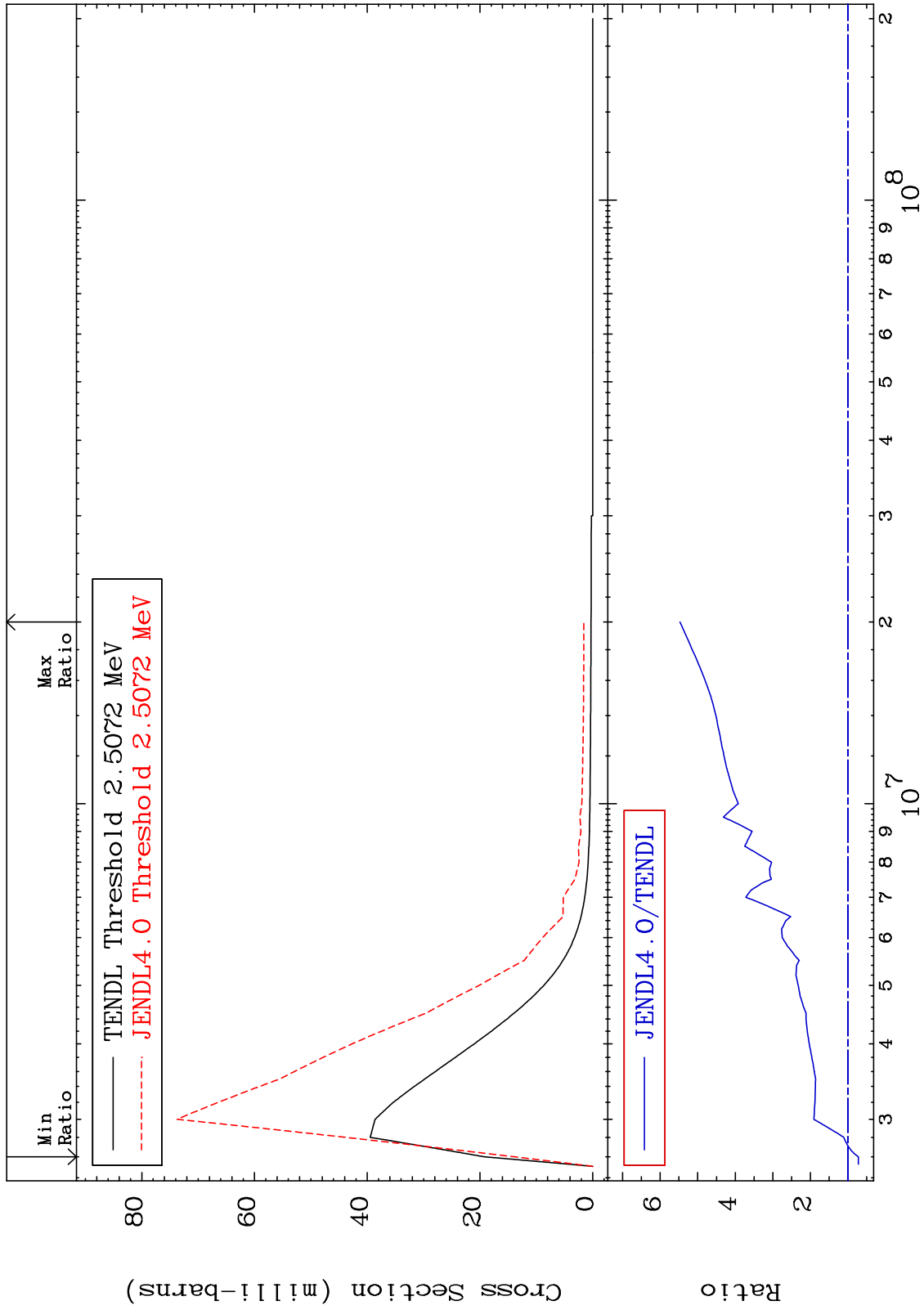
MAT 4237

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

42-Mo-96
-59.79 To 523.1 %



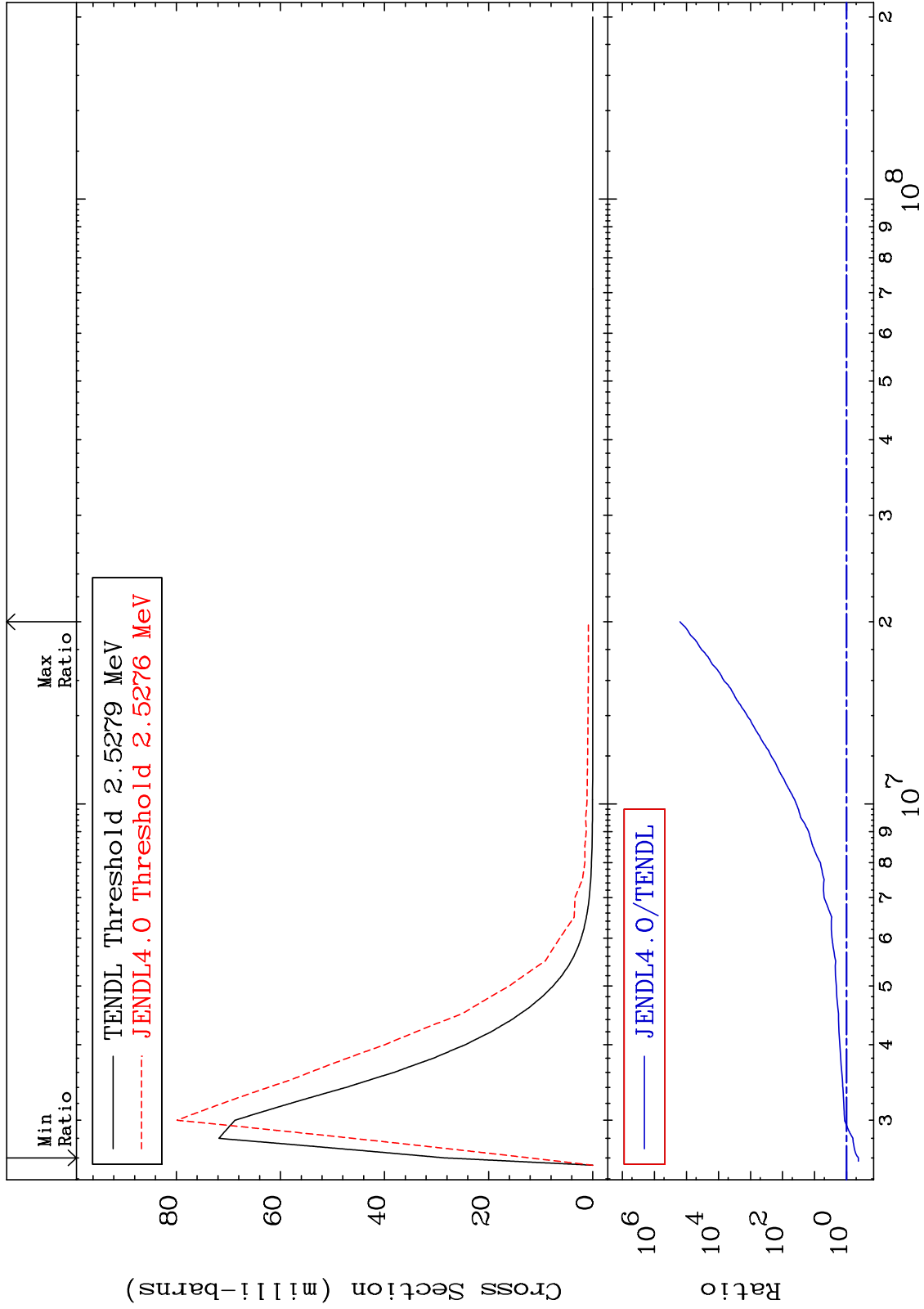
MAT 4237 MT= 67 (n,n') Level Cross Section -27.82 To 447.1 % 42-Mo-96



MAT 4237

MT= 68 (n,n') Level
Cross Section

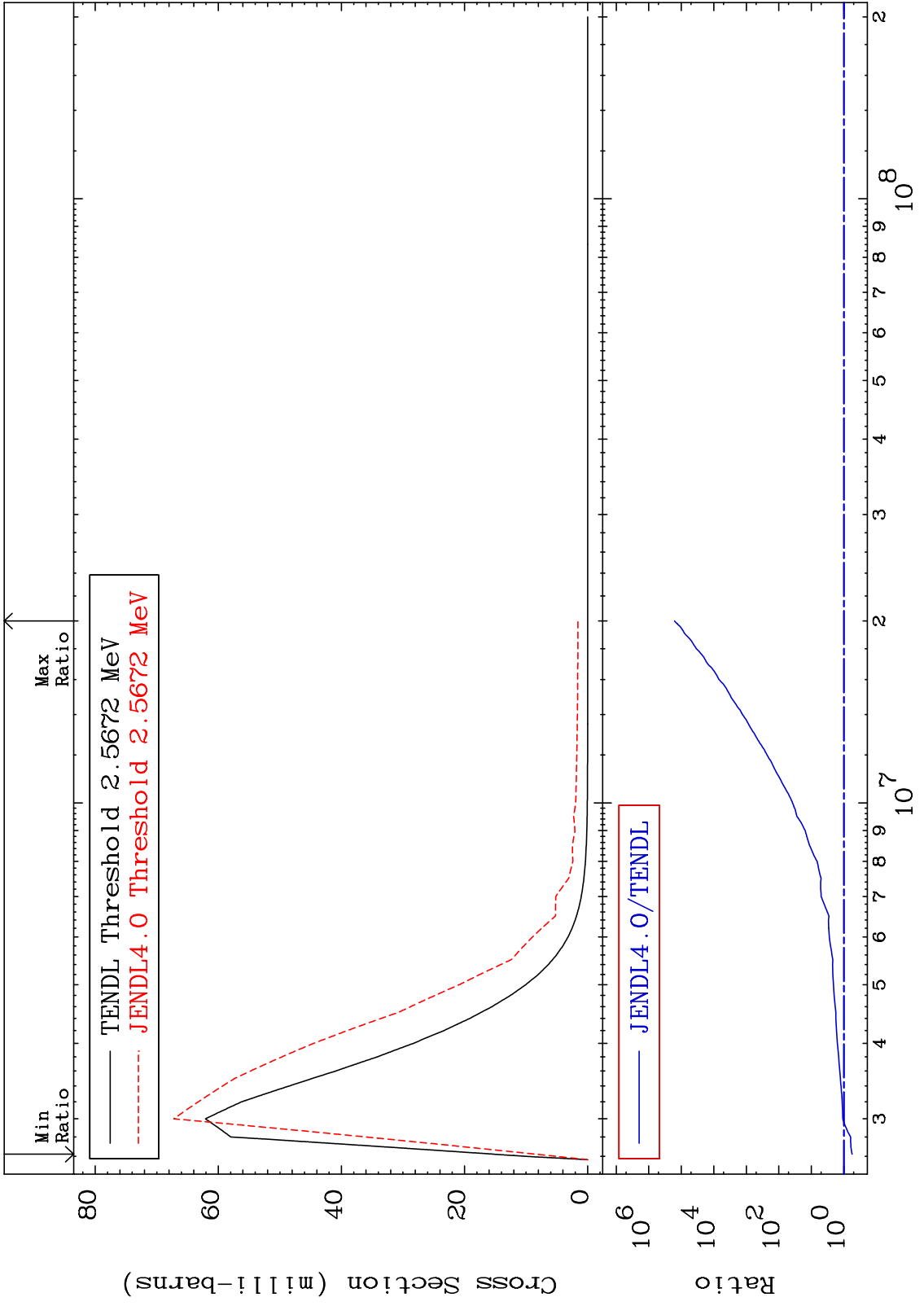
42-Mo-96
-57.12 To 9999. %



MAT 4237

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

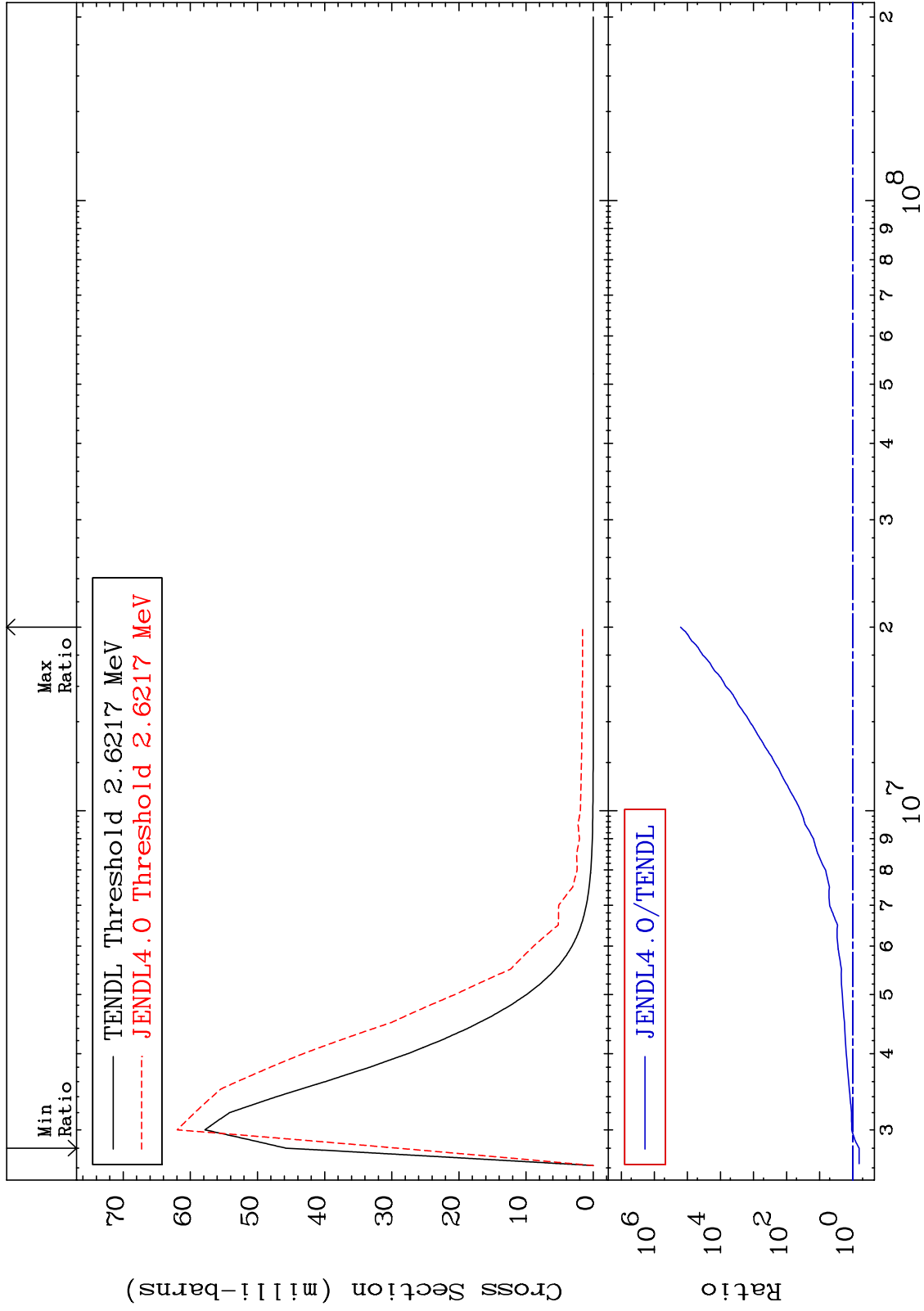
42-Mo-96
-44.54 To 9999. %



MAT 4237

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

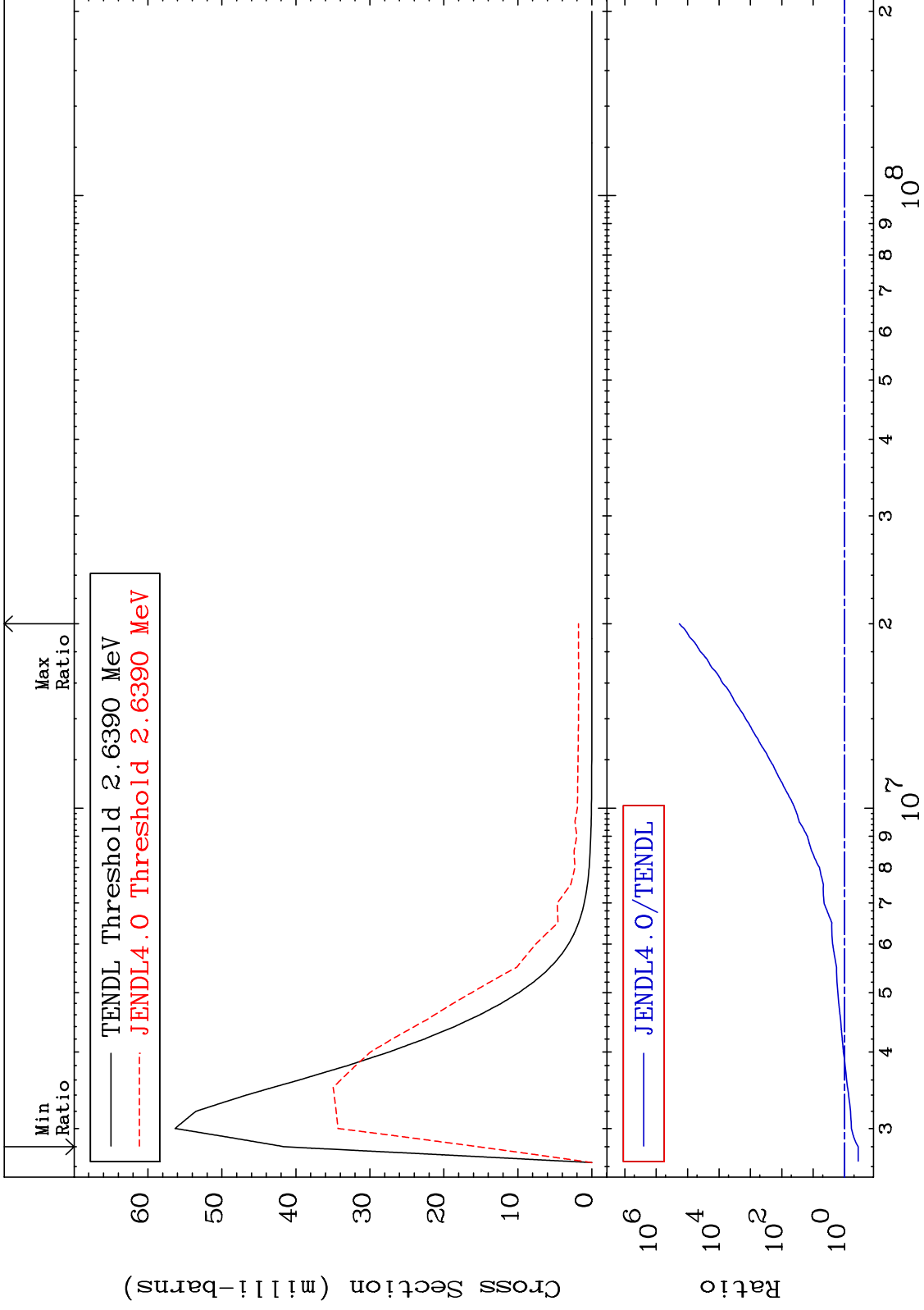
42-Mo-96
-36.23 To 9999. %



MAT 4237

MT= 71 (n,n') Level
Cross Section

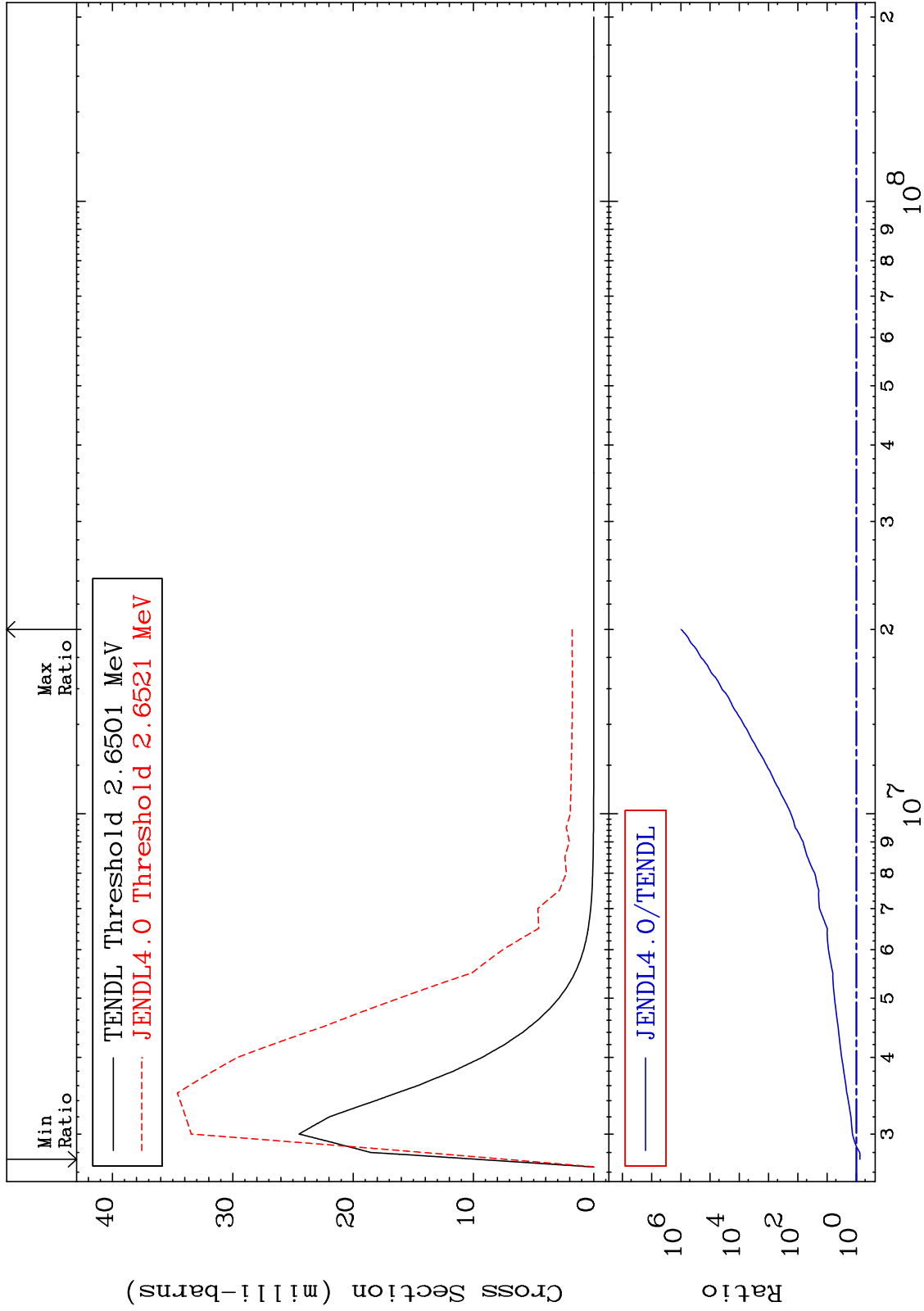
42-Mo-96
-63.12 To 9999. %



MAT 4237

MT= 72 (n,n') Level
Cross Section

42-Mo-96
-24.38 To 9999. %

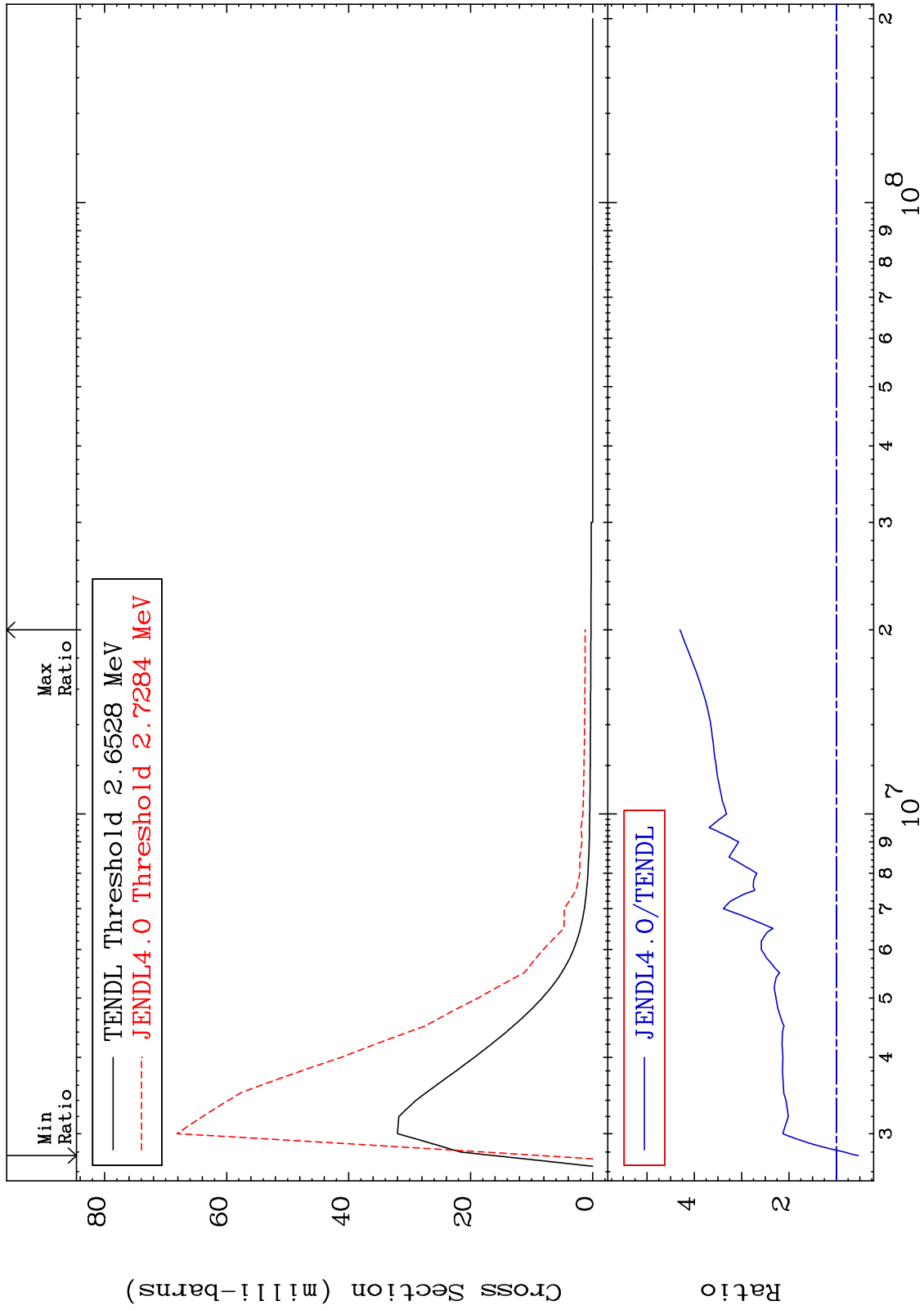


30

Incident Energy (eV)

42-Mo-96

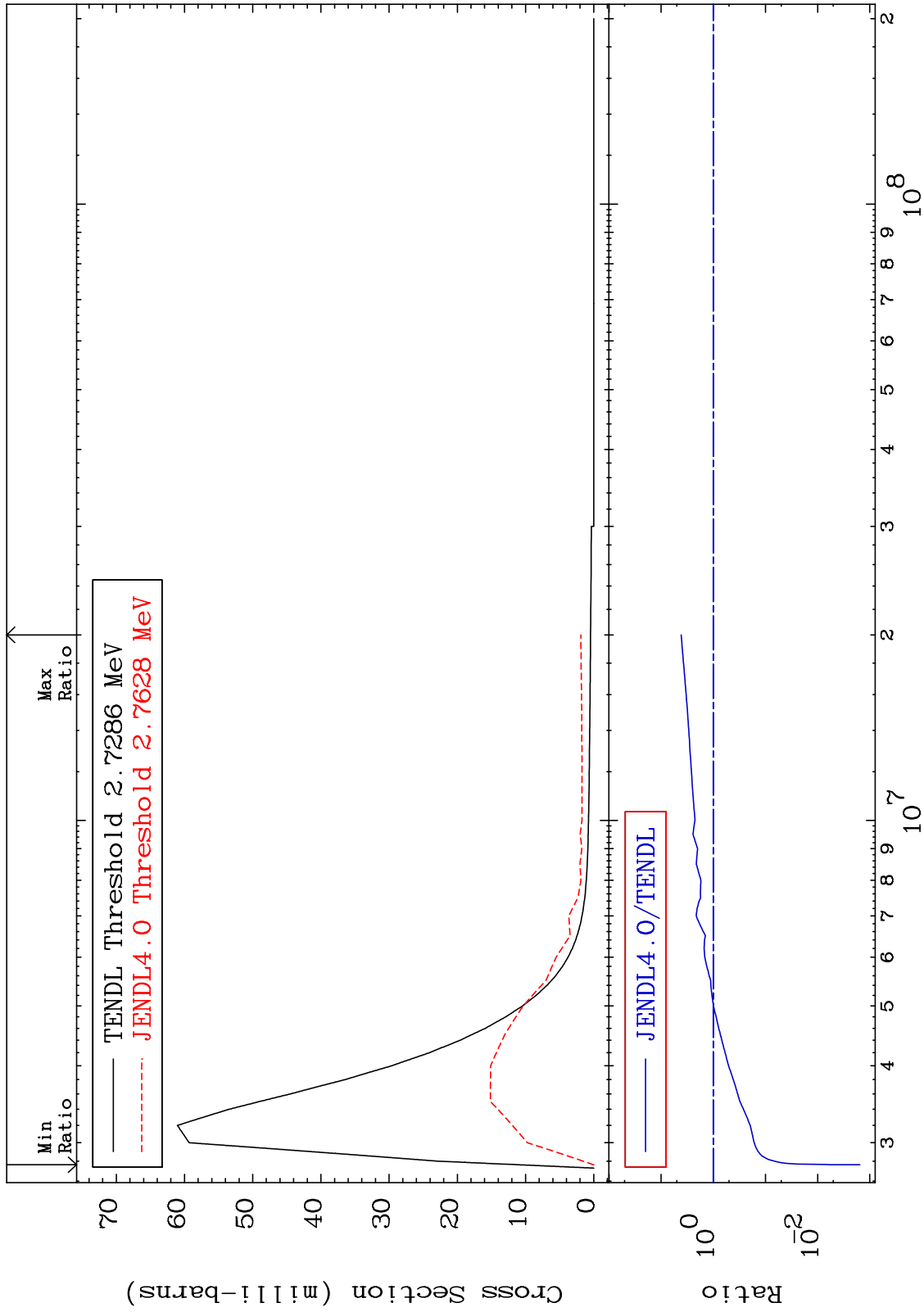
MAT 4237 MT= 73 (n,n') Level Cross Section 42-Mo-96
 -46.85 To 330.1 %



MAT 4237

MT= 74 (n,n') Level
Cross Section

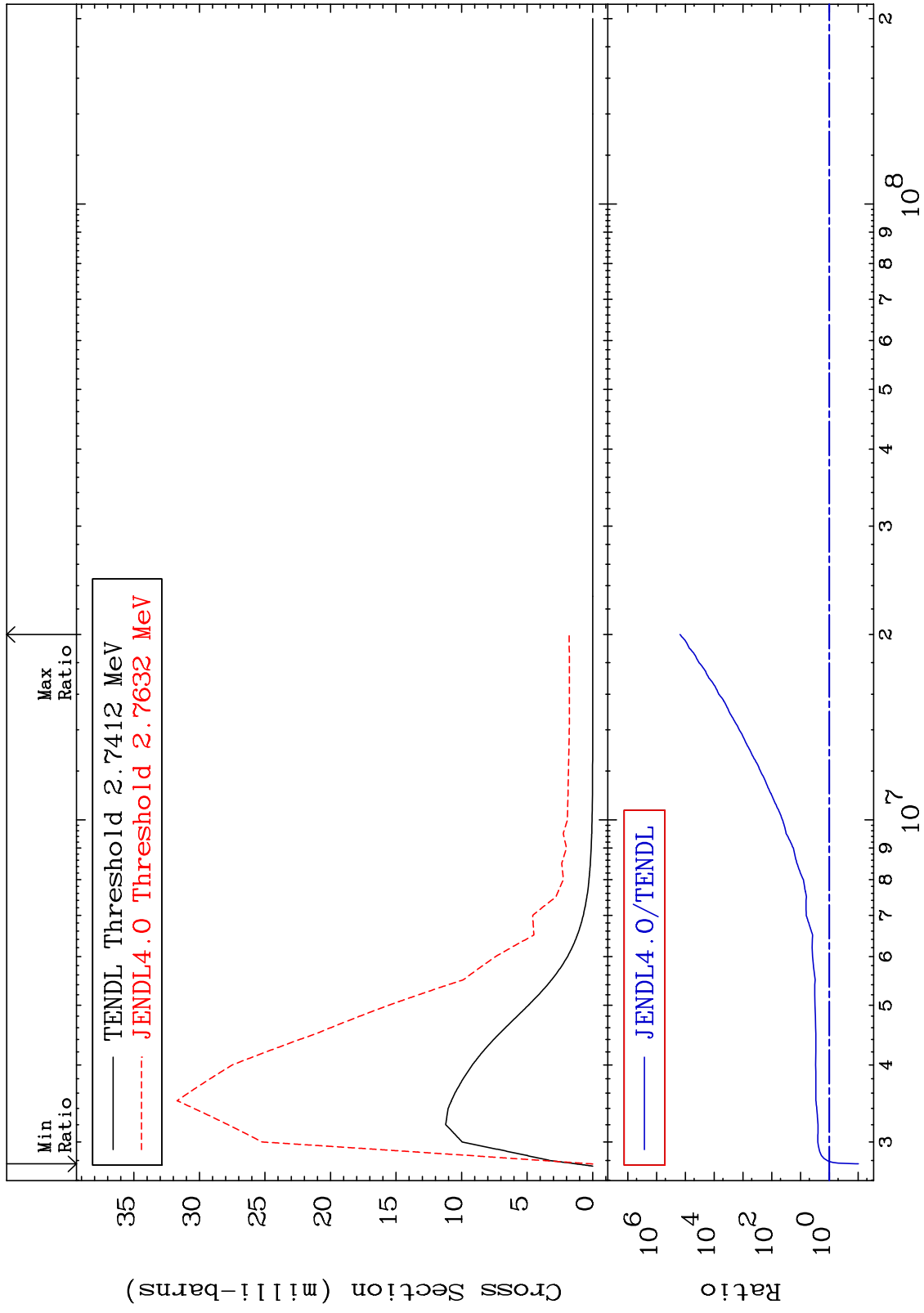
42-Mo-96
-99.85 To 311.9 %



32

42-Mo-96

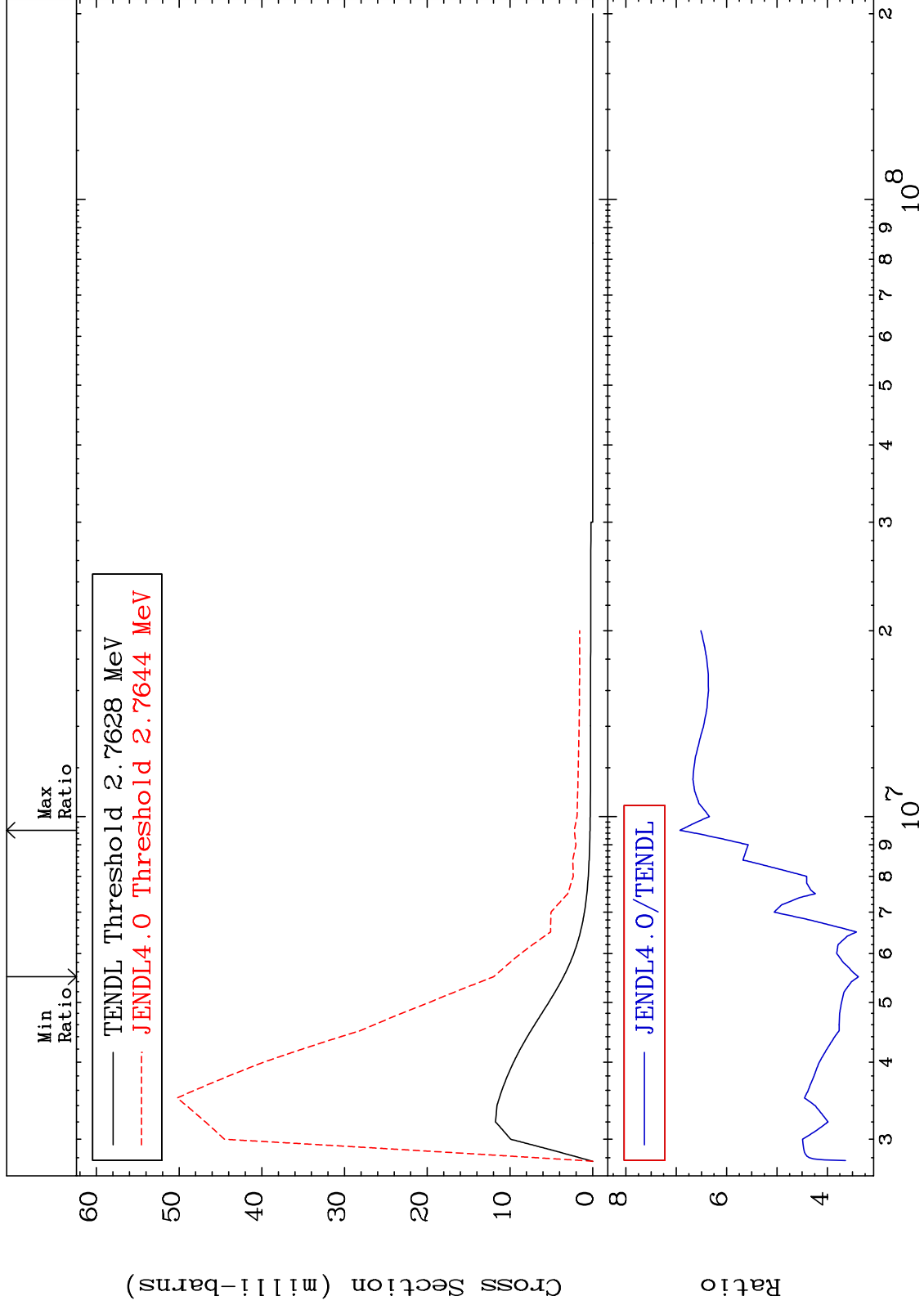
MAT 4237 MT= 75 (n,n') Level Cross Section 42-Mo-96
 -90.16 To 9999. %



MAT 4237

MT= 76 (n,n') Level
Cross Section

42-Mo-96
238.3 To 592.5 %



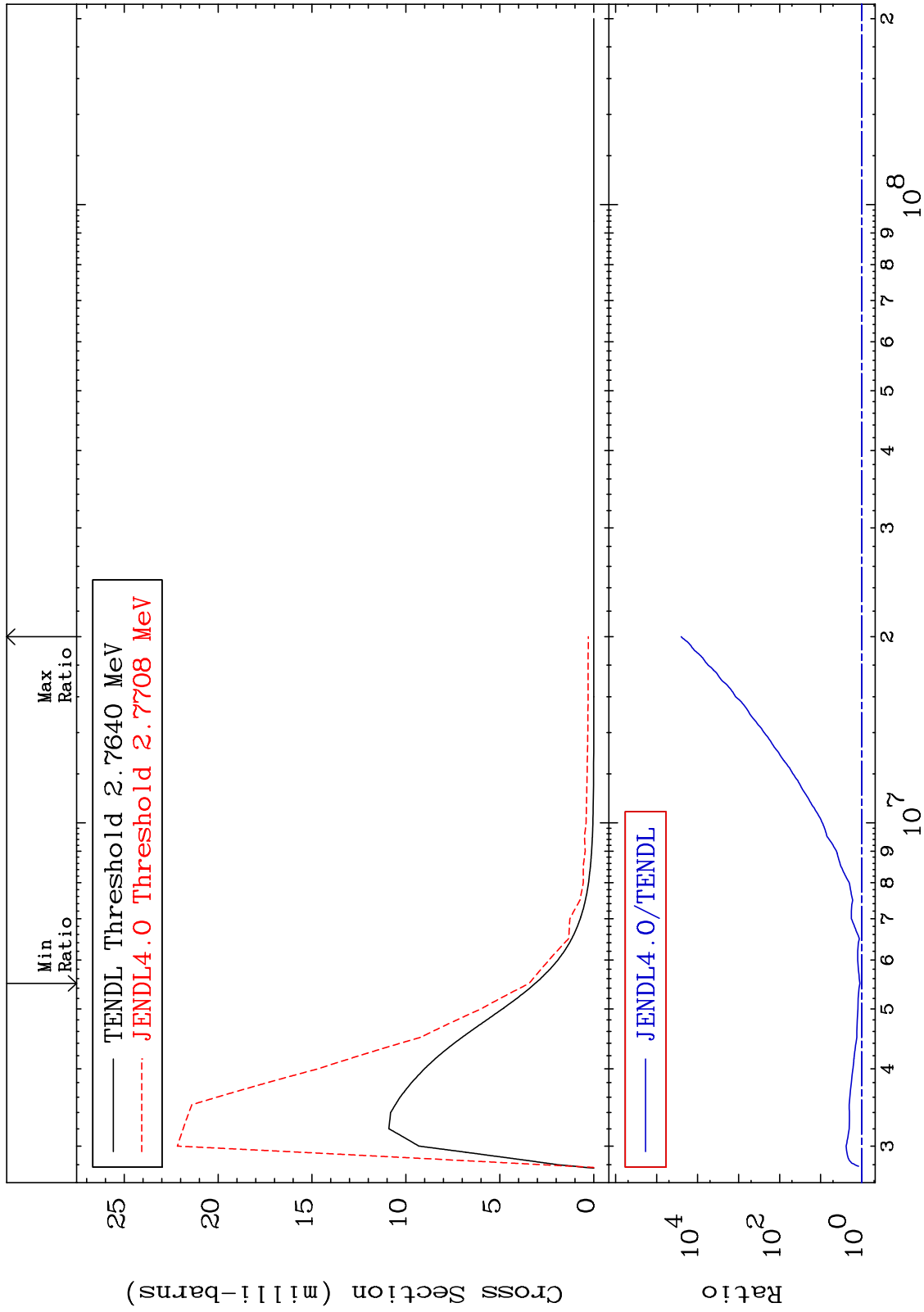
34

42-Mo-96

MAT 4237

MT= 77 (n,n') Level
Cross Section

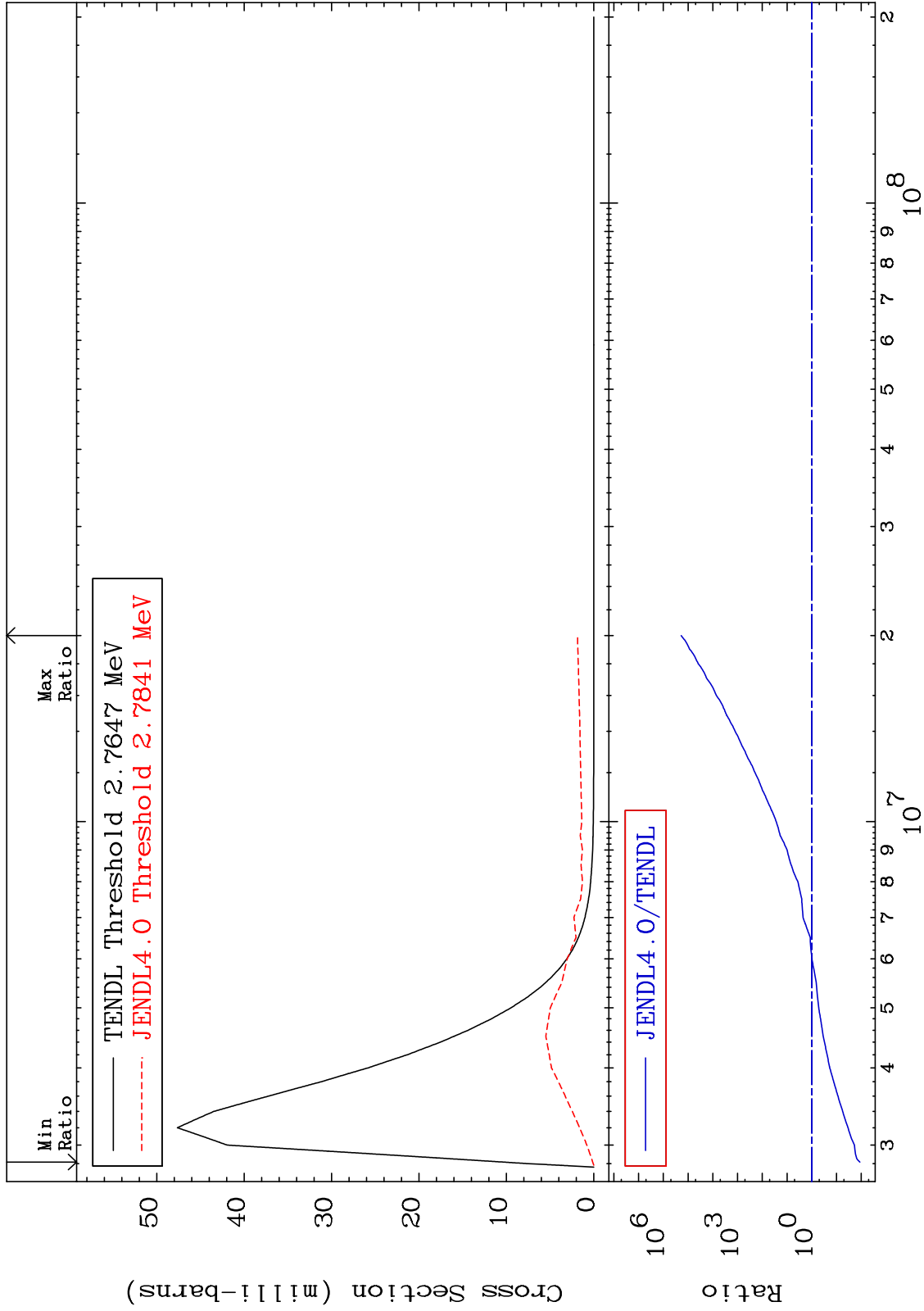
10.17 To 9999. %
42-Mo-96



MAT 4237

MT= 78 (n,n') Level
Cross Section

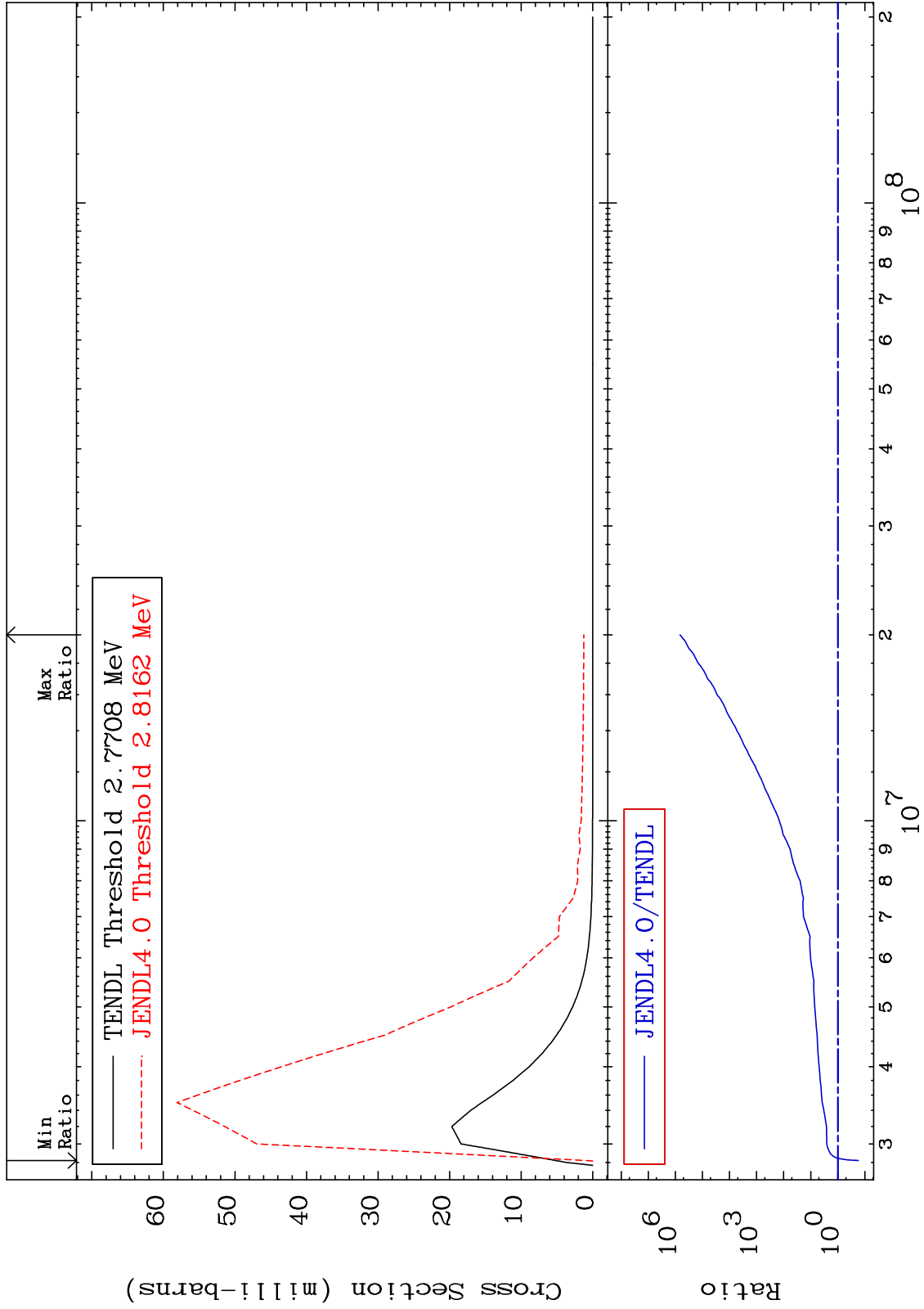
42-Mo-96
-98.87 To 9999. %



MAT 4237

MT= 79 (n,n') Level
Cross Section

42-Mo-96
-82.71 To 9999. %



37

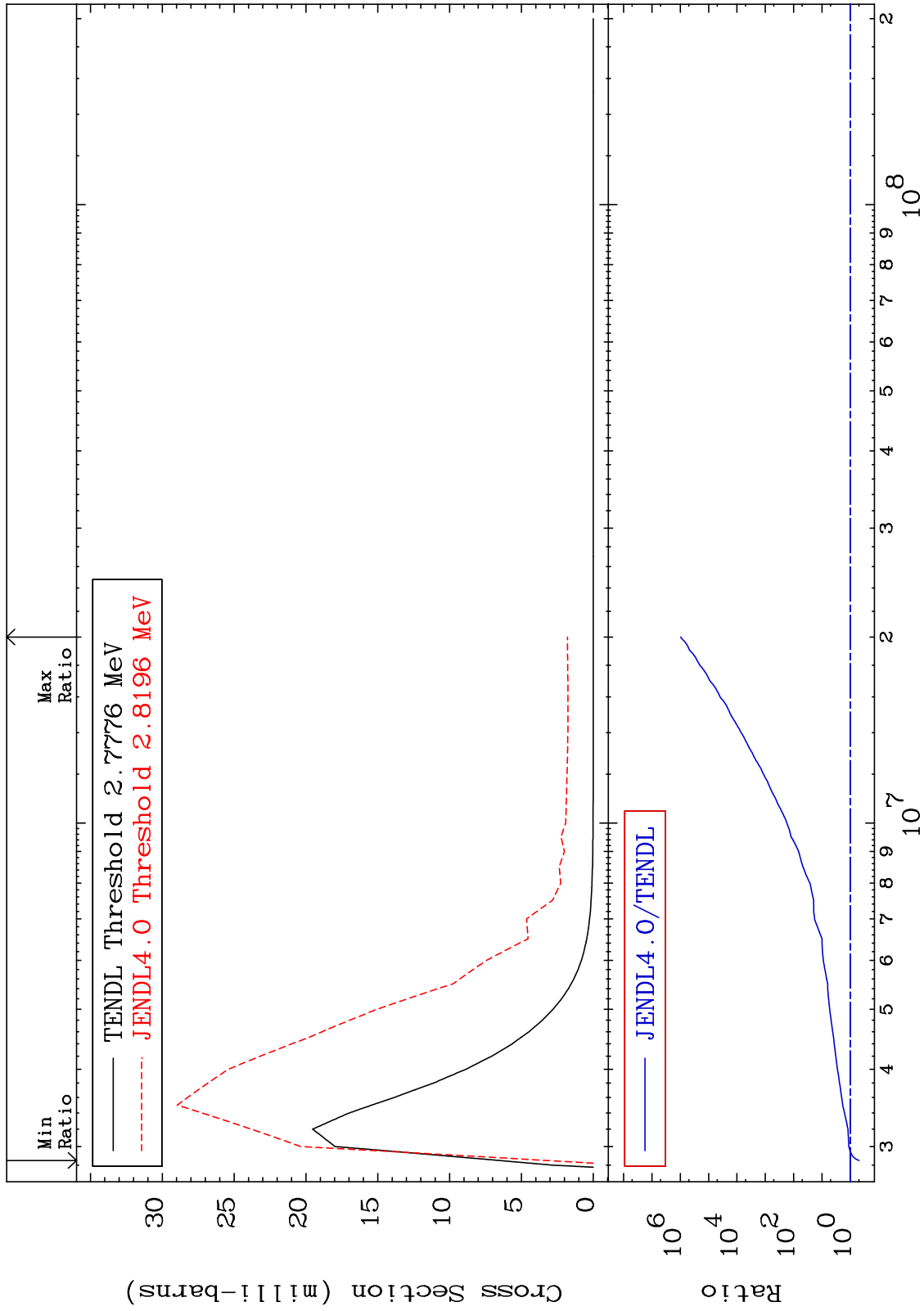
Incident Energy (eV)

42-Mo-96

MAT 4237

MT= 80 (n,n') Level
Cross Section

42-Mo-96
-50.90 To 9999. %



38

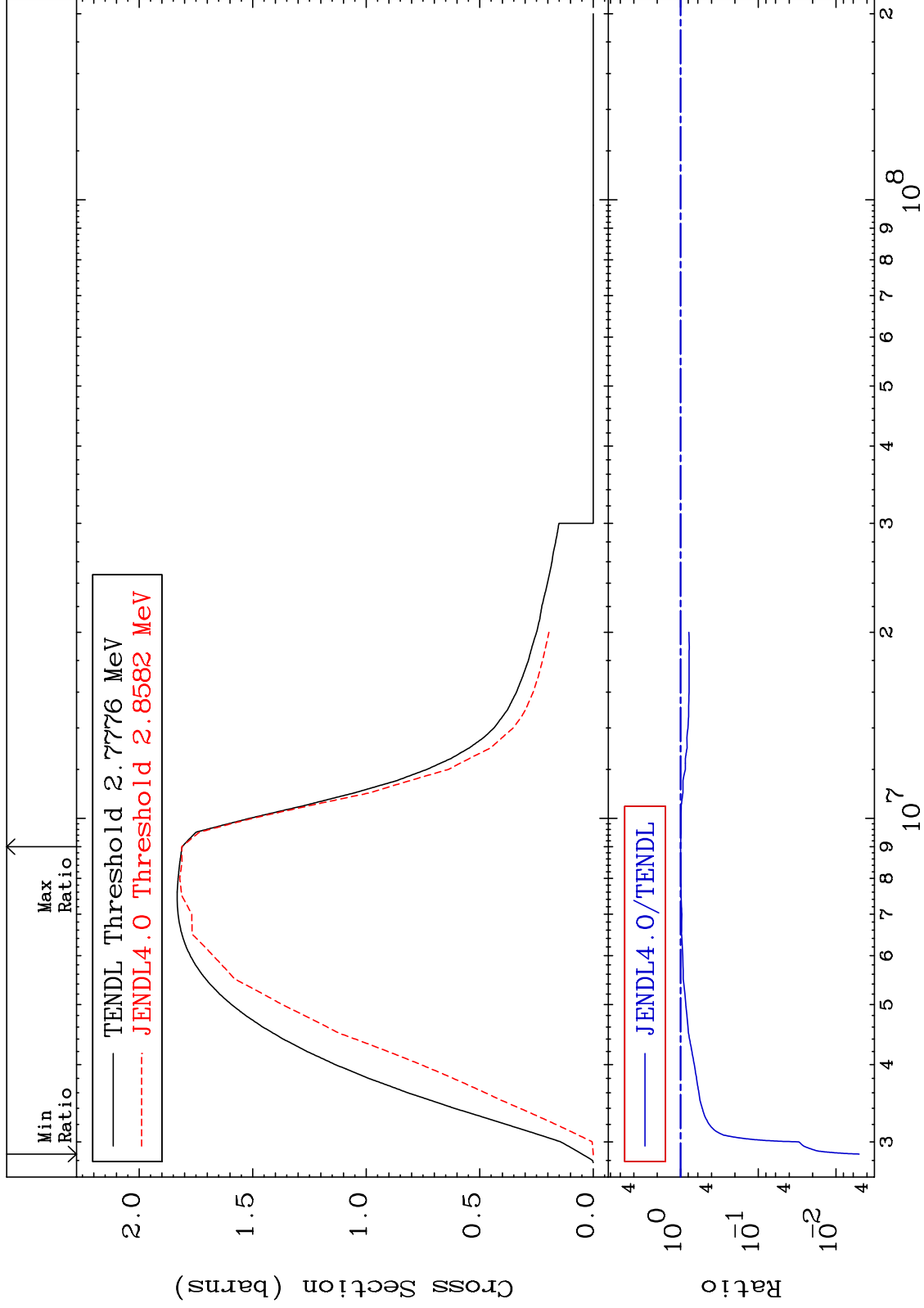
Incident Energy (eV)

42-Mo-96

MAT 4237

(n, n') Continuum
Cross Section

42-Mo-96
-99.50 To 0.101 %



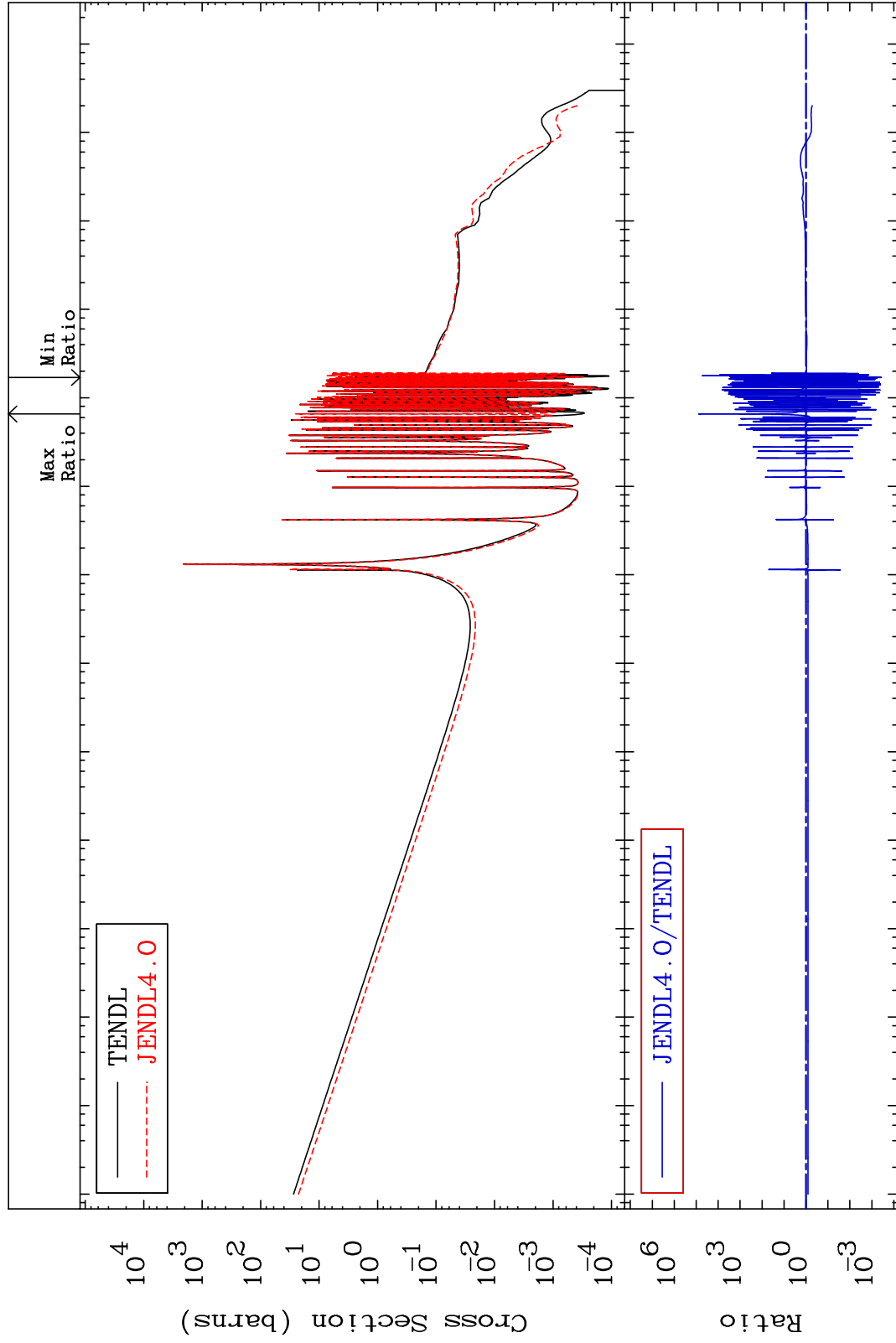
MAT 4237

(n, γ)

42-Mo-96

Cross Section

-99.96 To 9999. %



40

Incident Energy (eV)

42-Mo-96

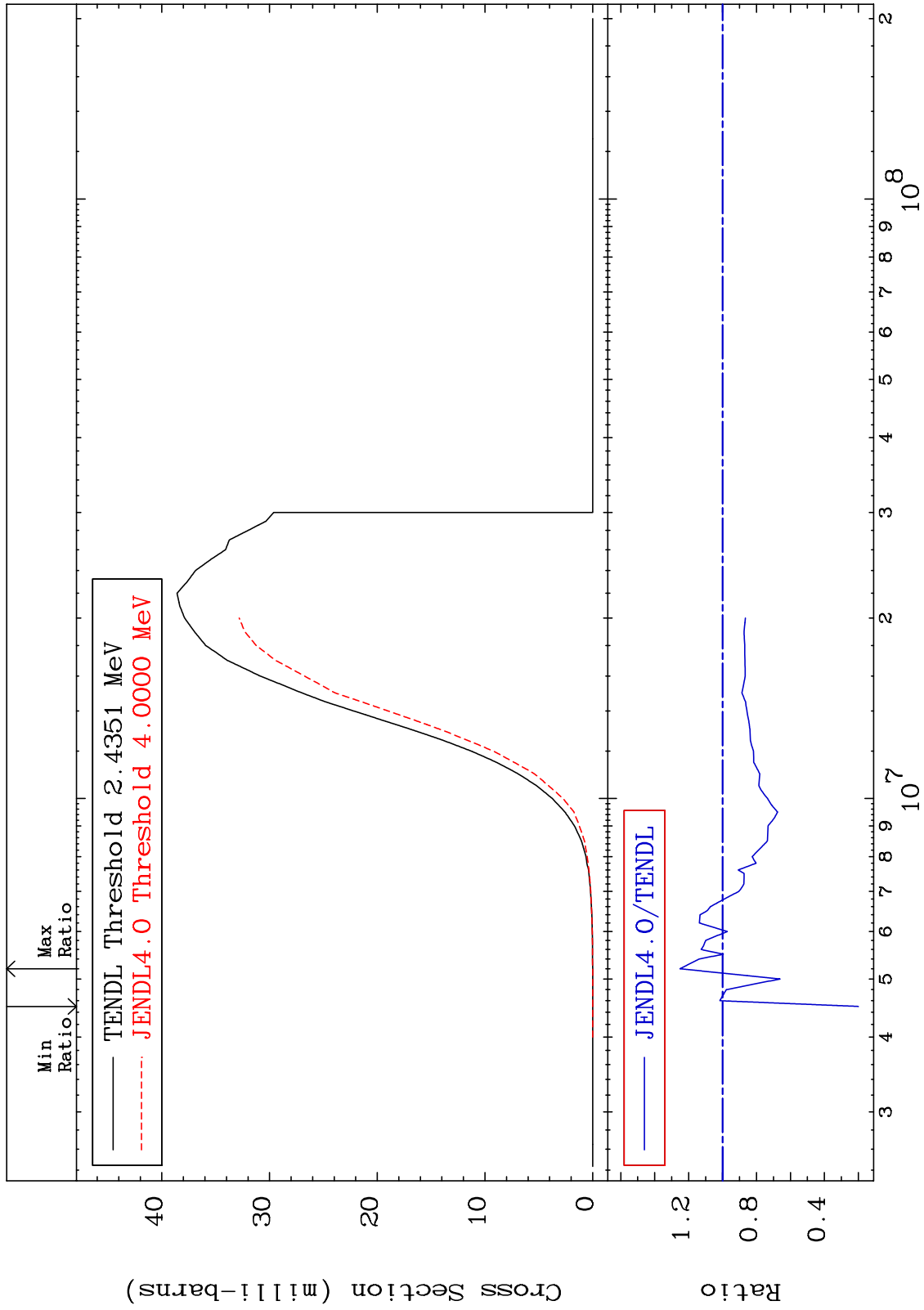
MAT 4237

(n,p)

42-Mo-96

Cross Section

-80.05 To 25.08 %



41

Incident Energy (eV)

42-Mo-96

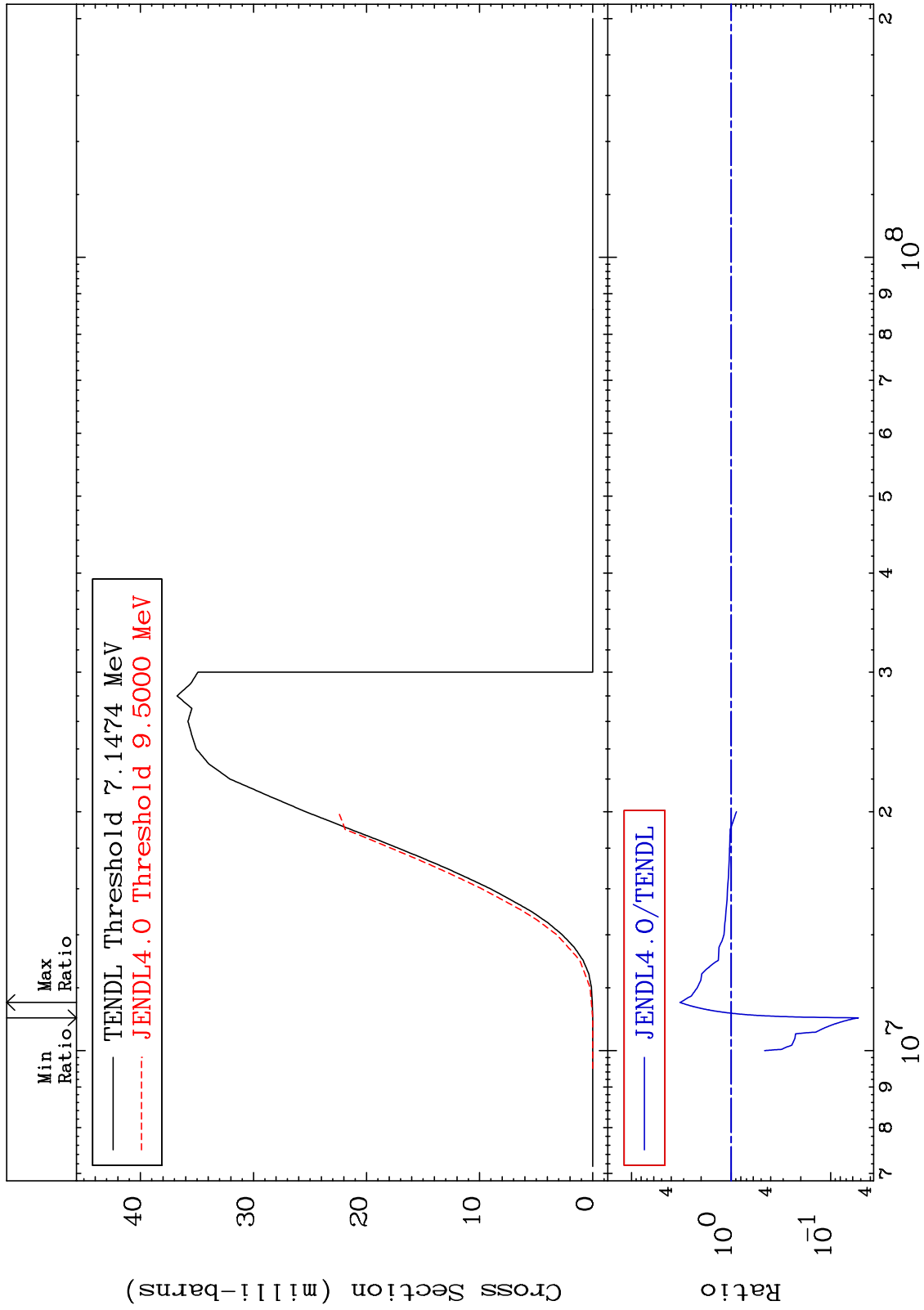
MAT 4237

(n, d)

42-Mo-96

Cross Section

-94.73 To 226.2 %



Incident Energy (eV)

42-Mo-96

42

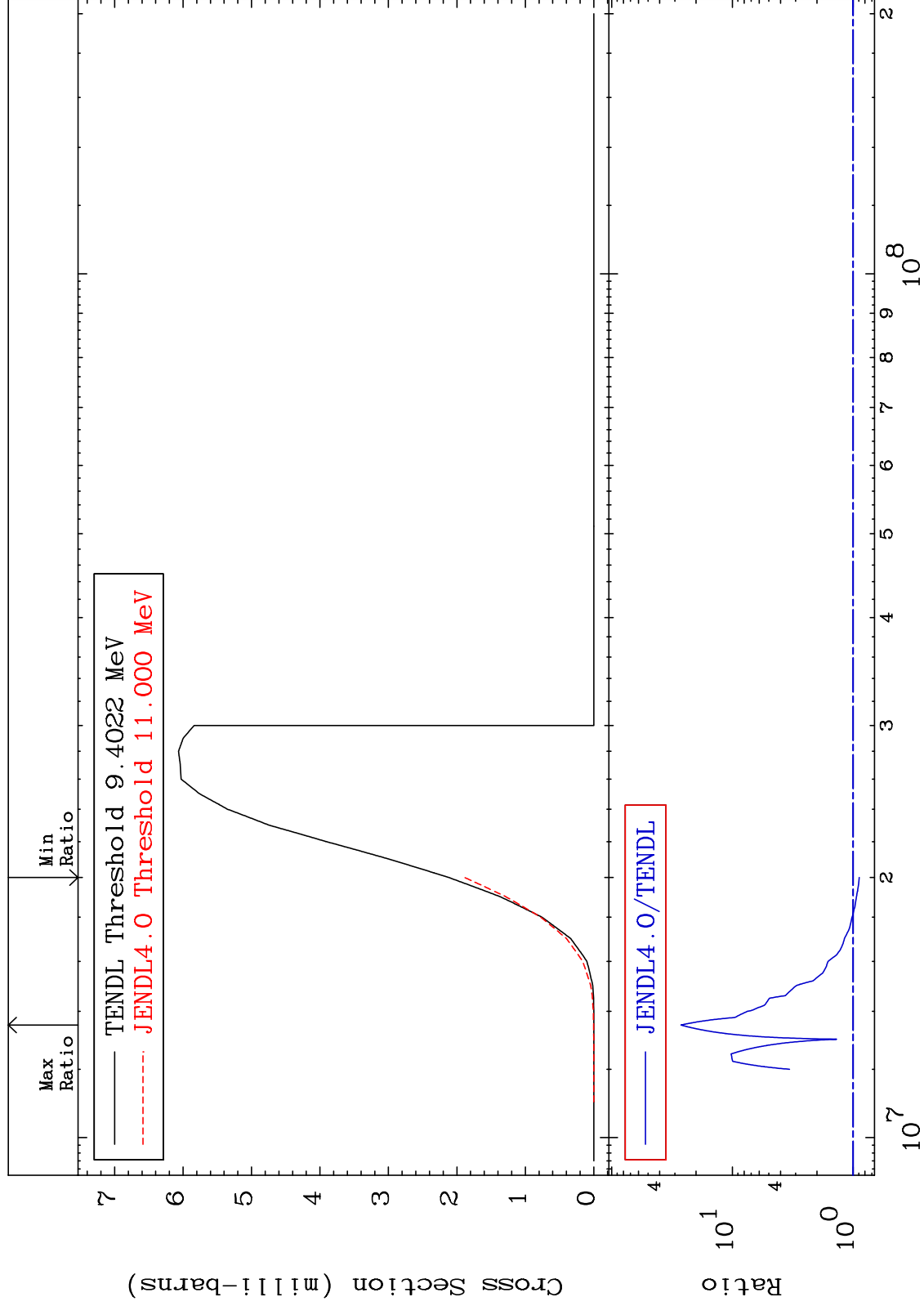
MAT 4237

(n, t)

42-Mo-96

Cross Section

-10.92 To 2563. %



43

42-Mo-96

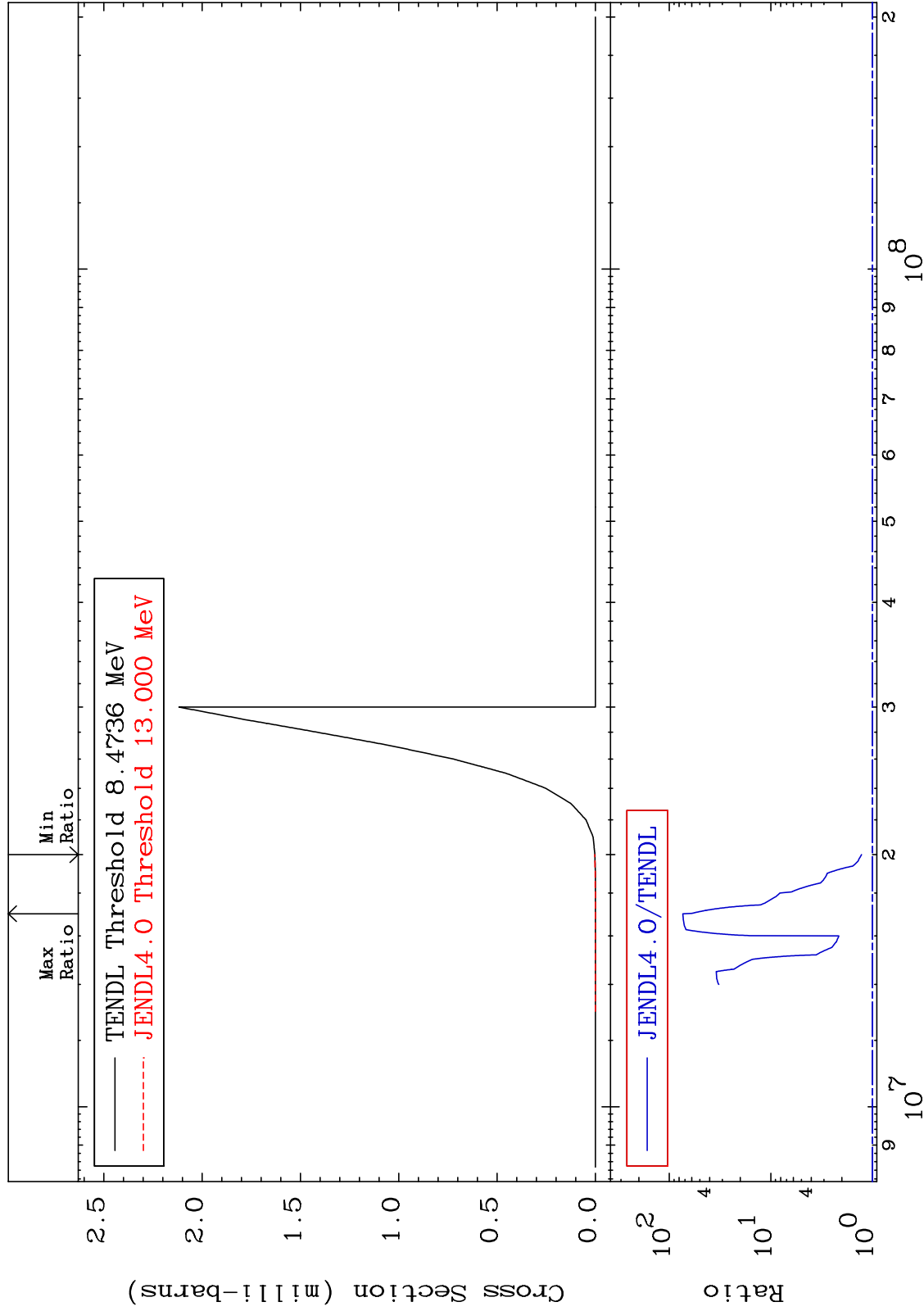
MAT 4237

(n, He-3)

42-Mo-96

Cross Section

27.80 To 7258. %



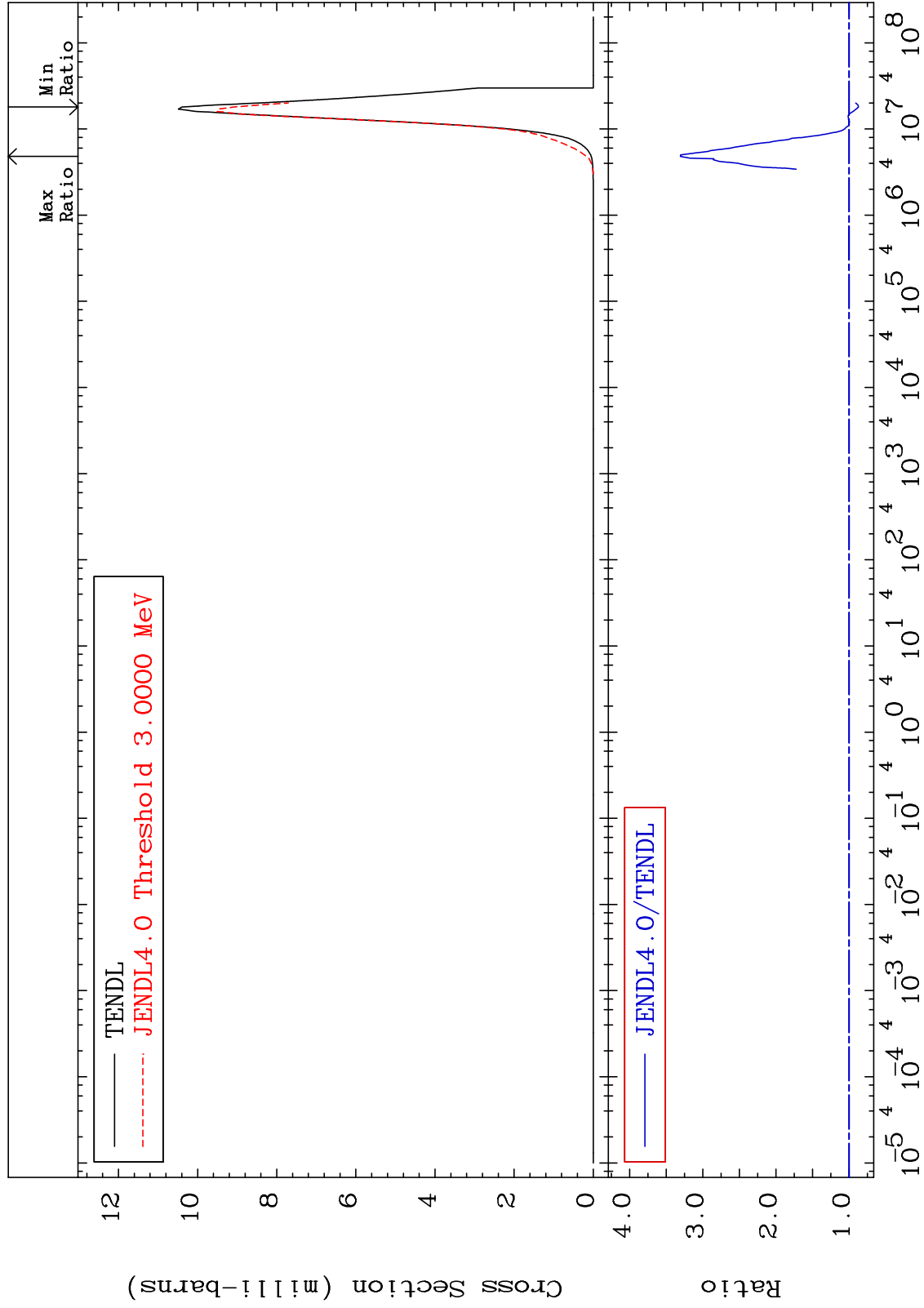
MAT 4237

(n, α)

42-Mo-96

Cross Section

-12.77 To 230.5 %



45

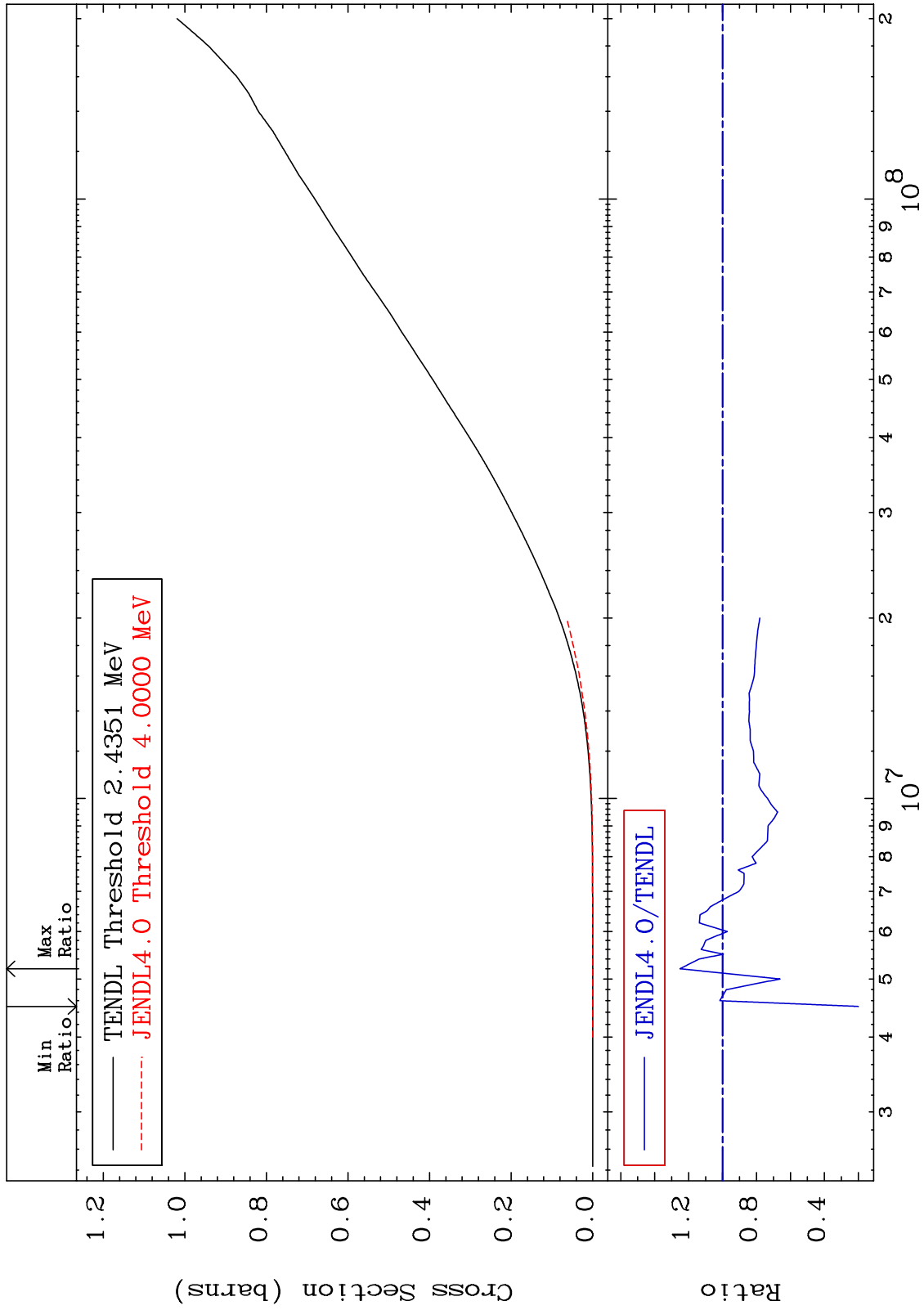
Incident Energy (eV)

42-Mo-96

MAT 4237

Hydrogen Production Cross Section

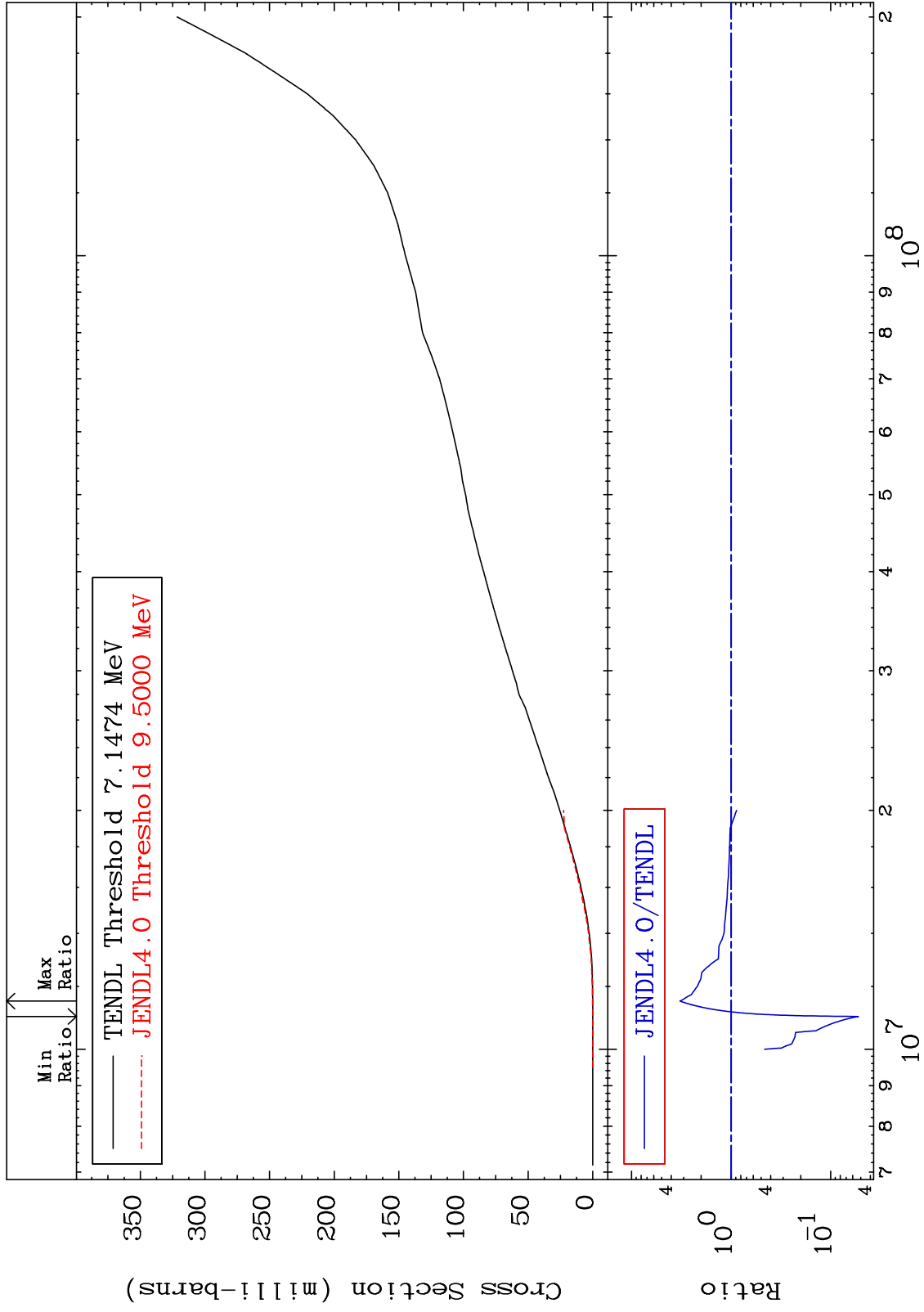
42-Mo-96
-80.05 To 25.08 %



MAT 4237

Deuterium Production
Cross Section

42-Mo-96
-94.73 To 226.2 %



47

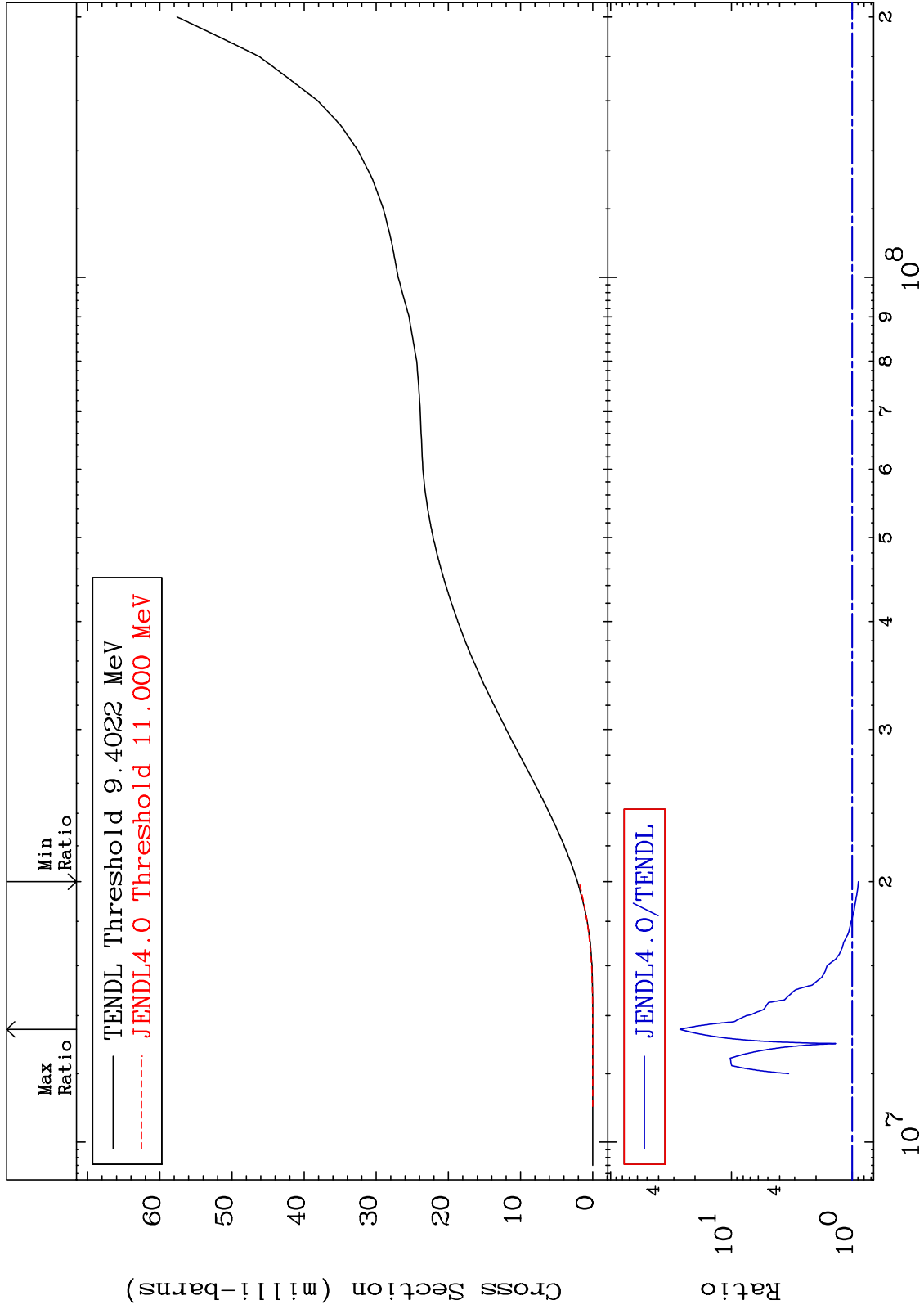
Incident Energy (eV)

42-Mo-96

MAT 4237

Tritium Production
Cross Section

42-Mo-96
-10.92 To 2563. %



48

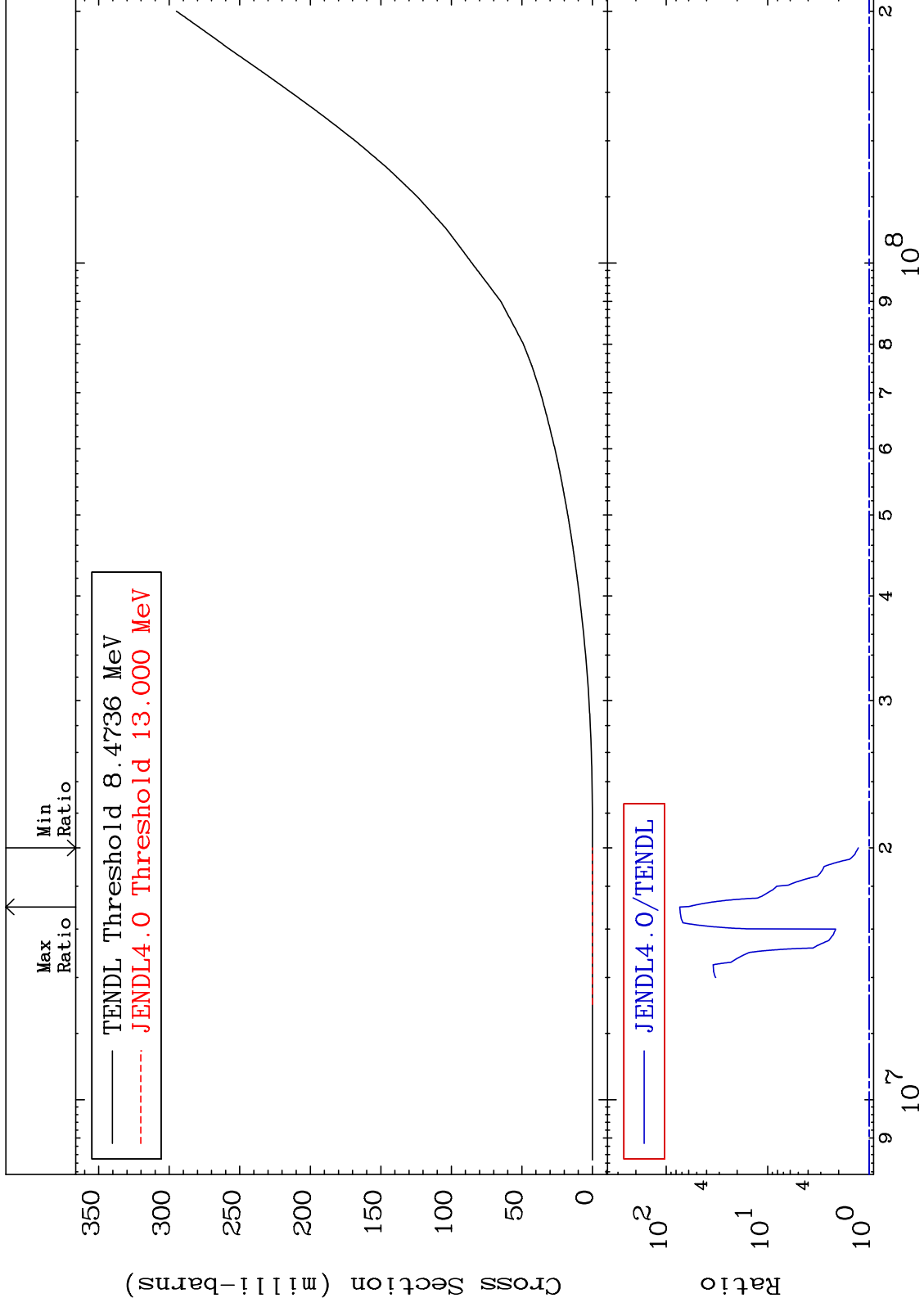
Incident Energy (eV)

42-Mo-96

MAT 4237

He-3 Production
Cross Section

42-Mo-96
27.80 To 7258. %



49

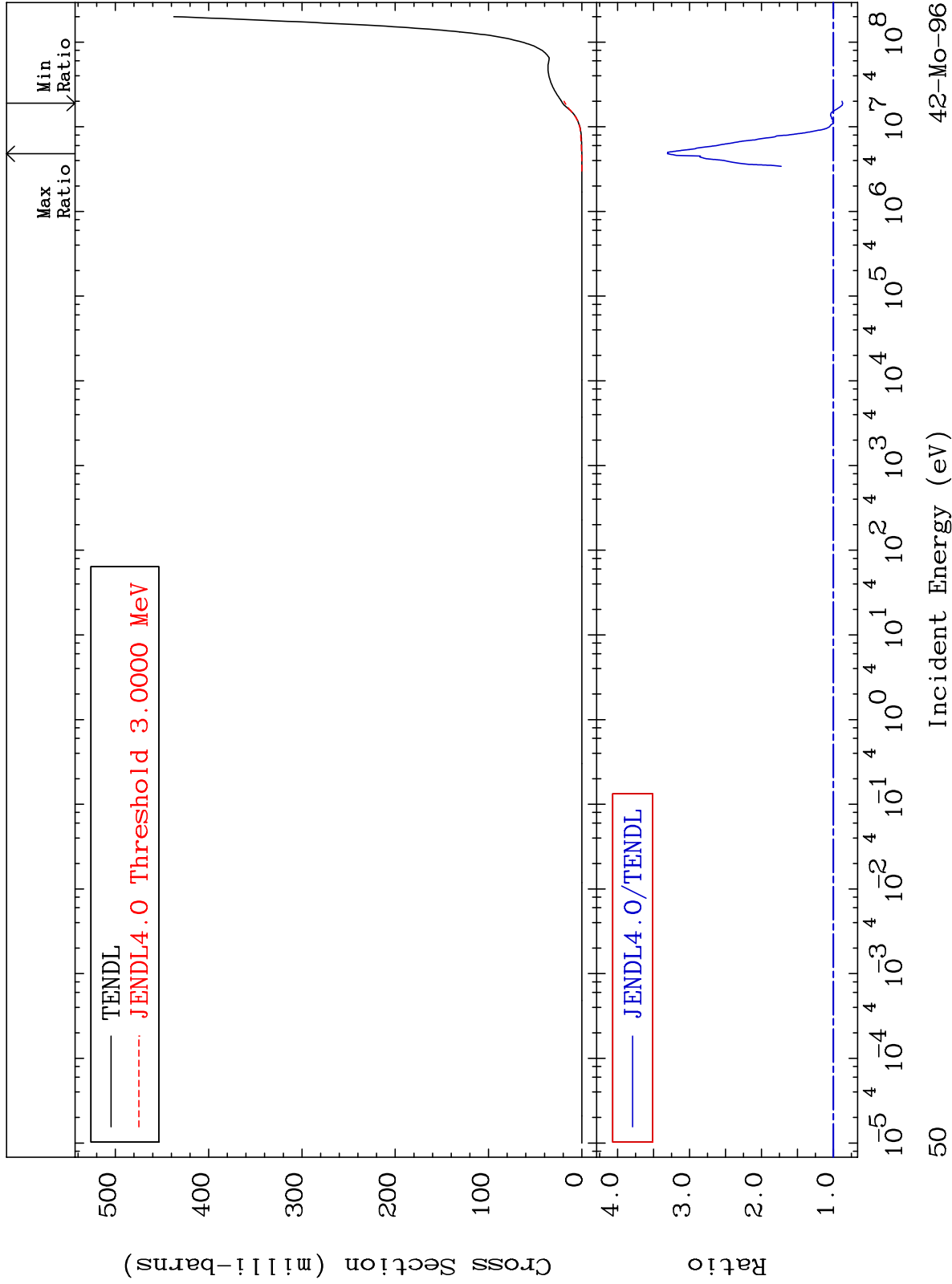
Incident Energy (eV)

42-Mo-96

MAT 4237

He-4 Production
Cross Section

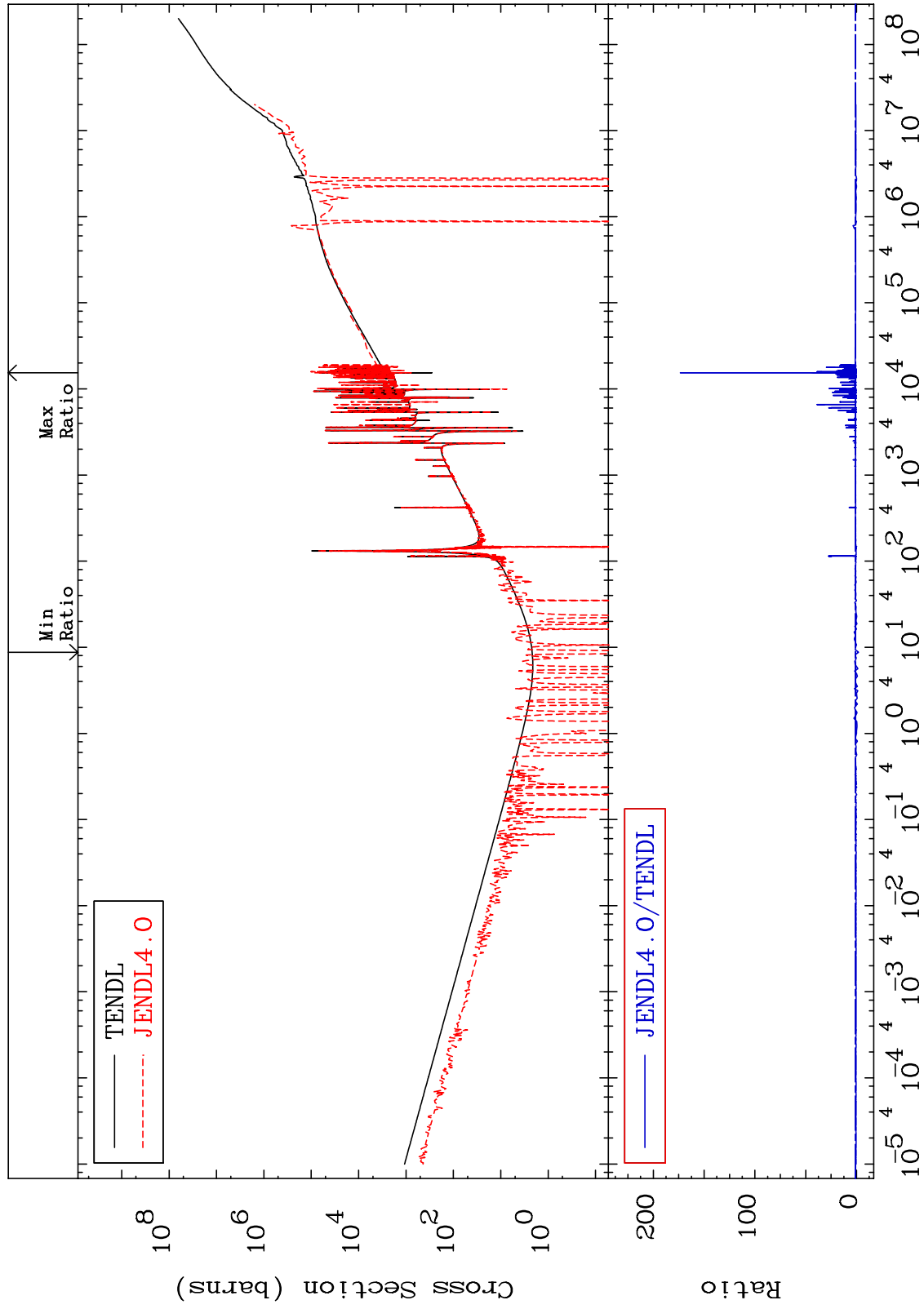
42-Mo-96
-12.87 To 230.5 %



MAT 4237

Kerma total (eV-barns)
Cross Section

42-Mo-96
-297.9 To 9999. %

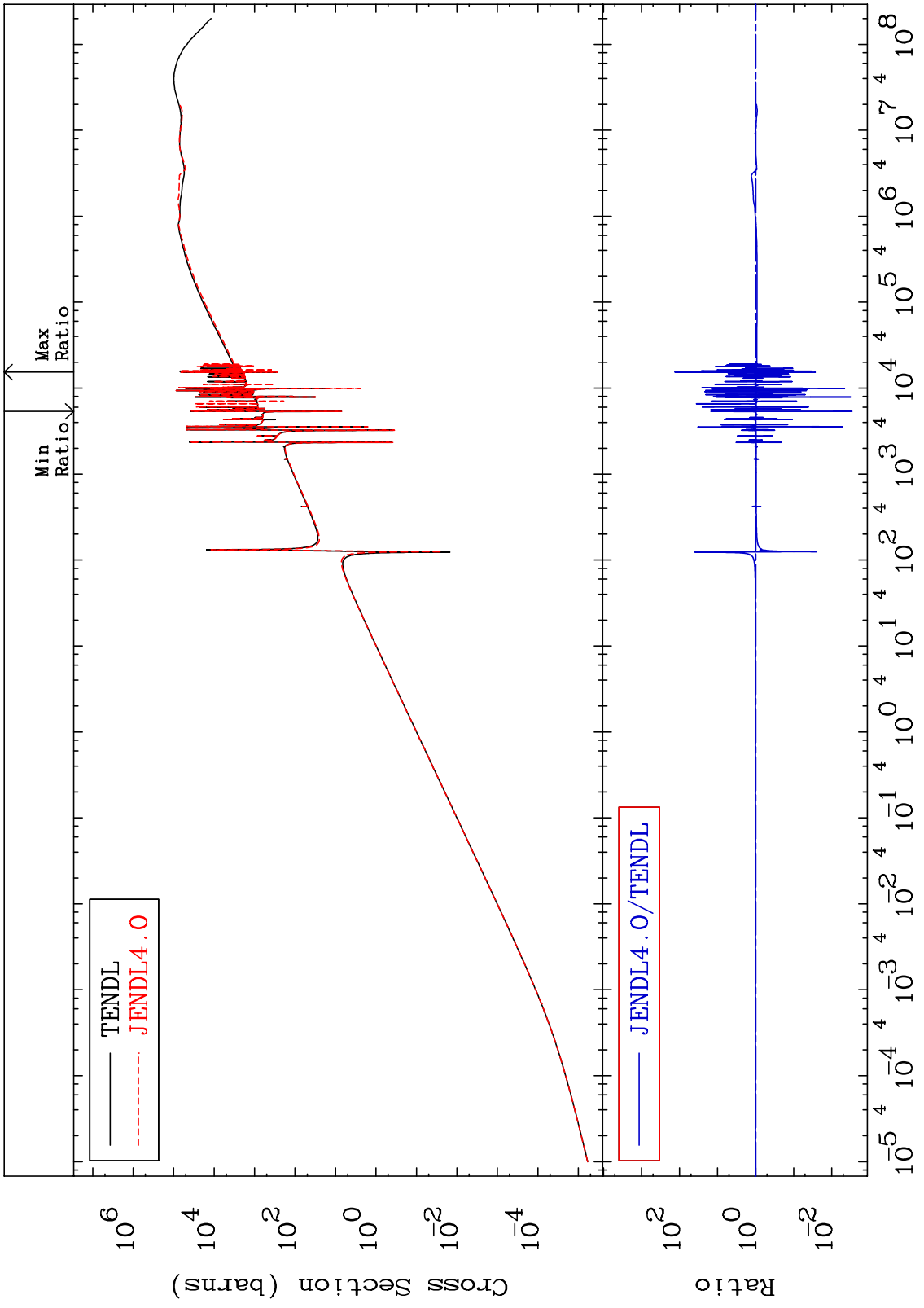


51

MAT 4237

Kerma elastic
Cross Section

42-Mo-96
-99.71 To 9999. %



52

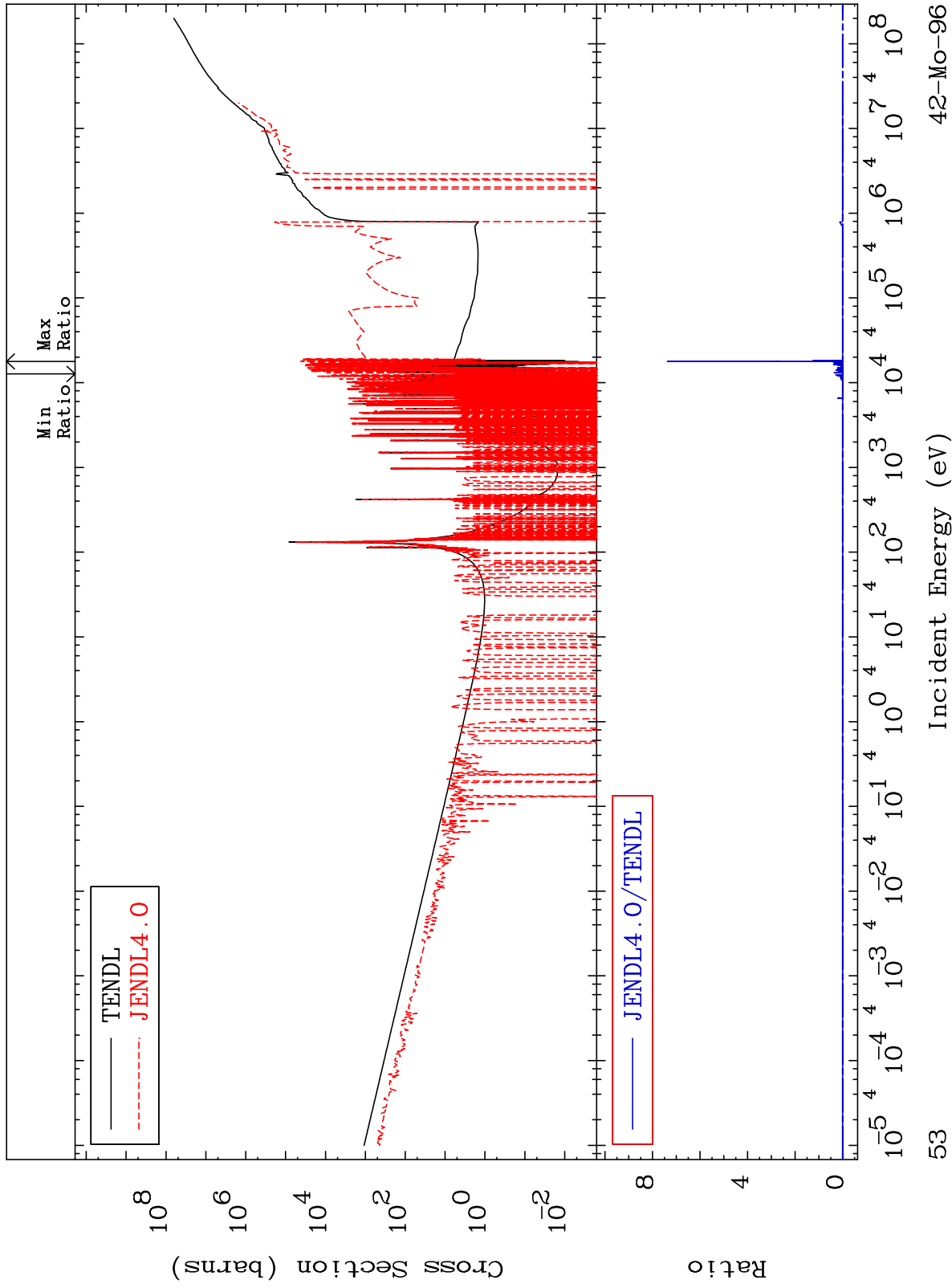
Incident Energy (eV)

42-Mo-96

MAT 4237

Kerma non-elastic (all but mt2)
Cross Section

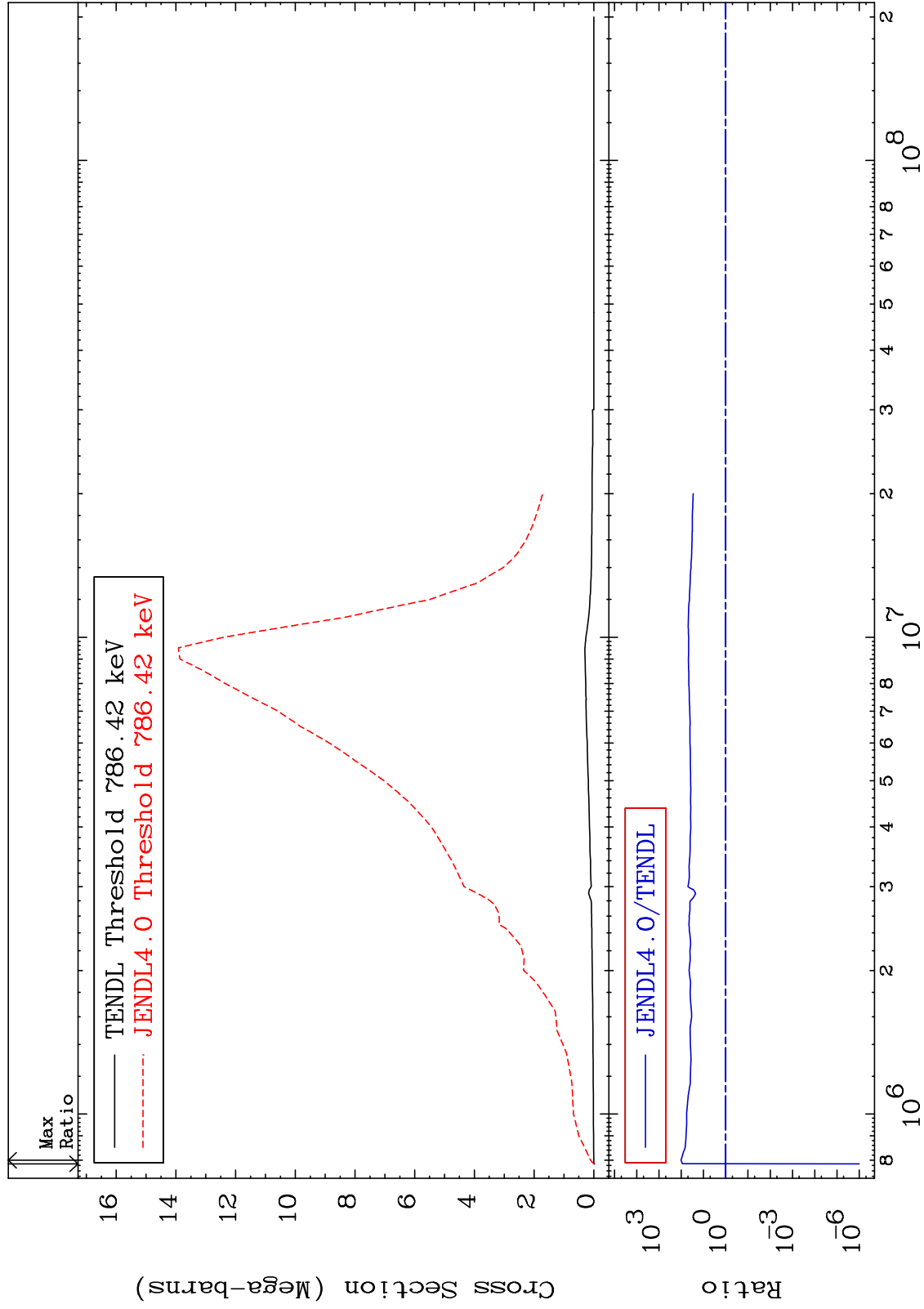
42-Mo-96
-9999. To 9999. %



MAT 4237

Kerma inelastic (mt51-91)
Cross Section

42-Mo-96
-100.0 To 9999. %



54

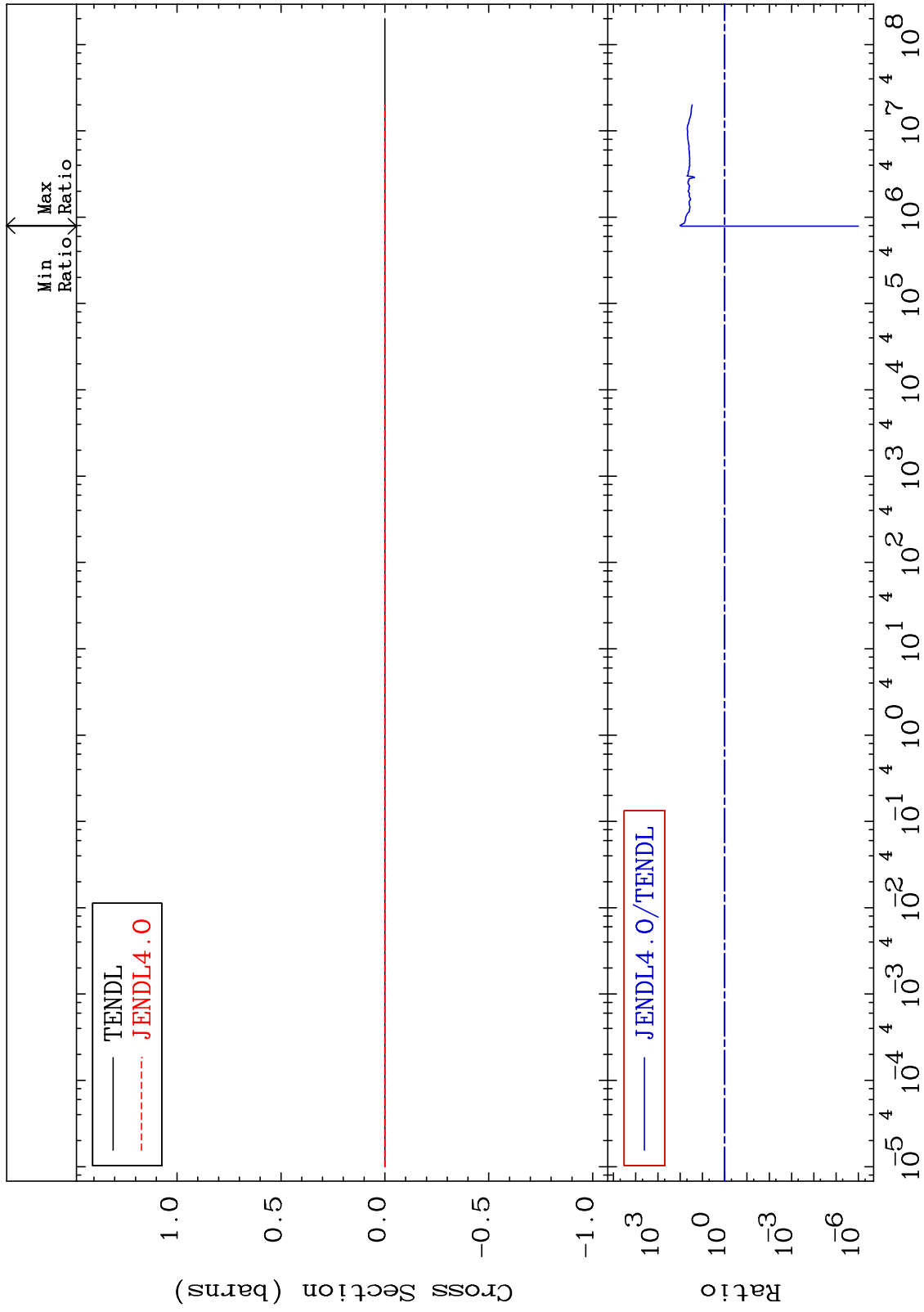
Incident Energy (eV)

42-Mo-96

MAT 4237

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

42-Mo-96
-100.0 To 9999. %



55

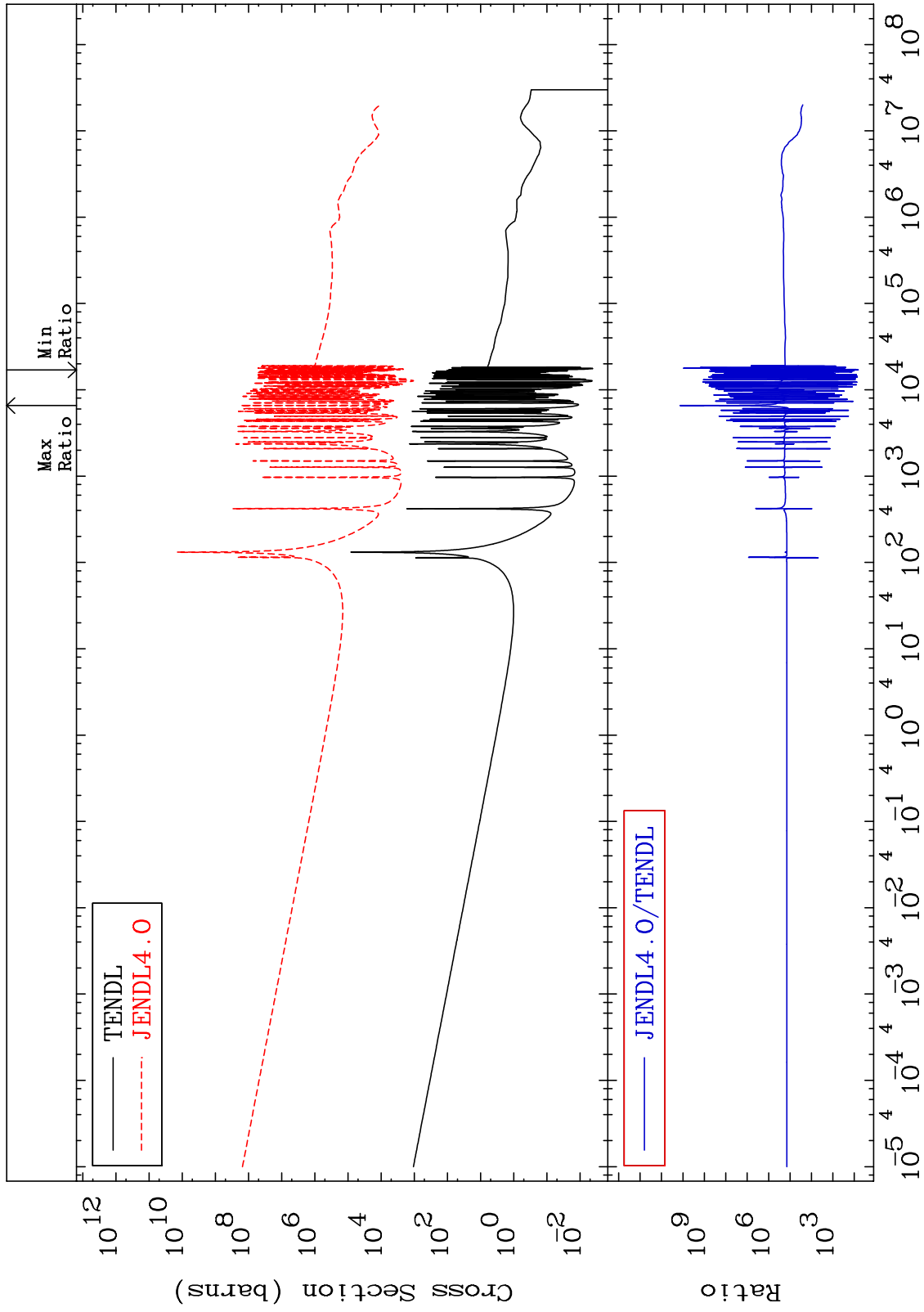
Incident Energy (eV)

42-Mo-96

MAT 4237

Kerma capture (mt102)
Cross Section

42-Mo-96
6335. To 9999. %



56

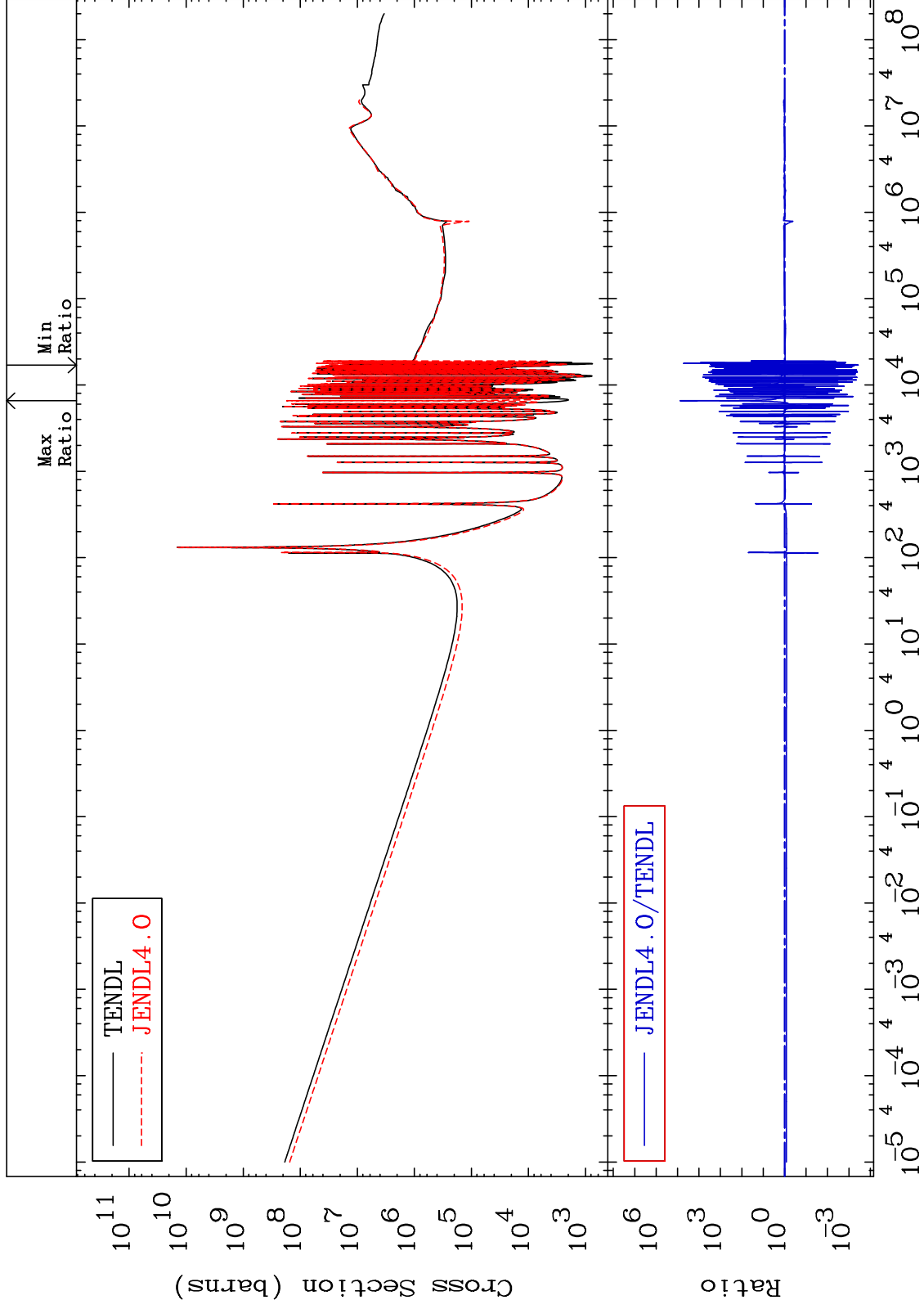
Incident Energy (eV)

42-Mo-96

MAT 4237

Total photon (eV-barns)
Cross Section

42-Mo-96
-99.96 To 9999. %



57

Incident Energy (eV)

42-Mo-96

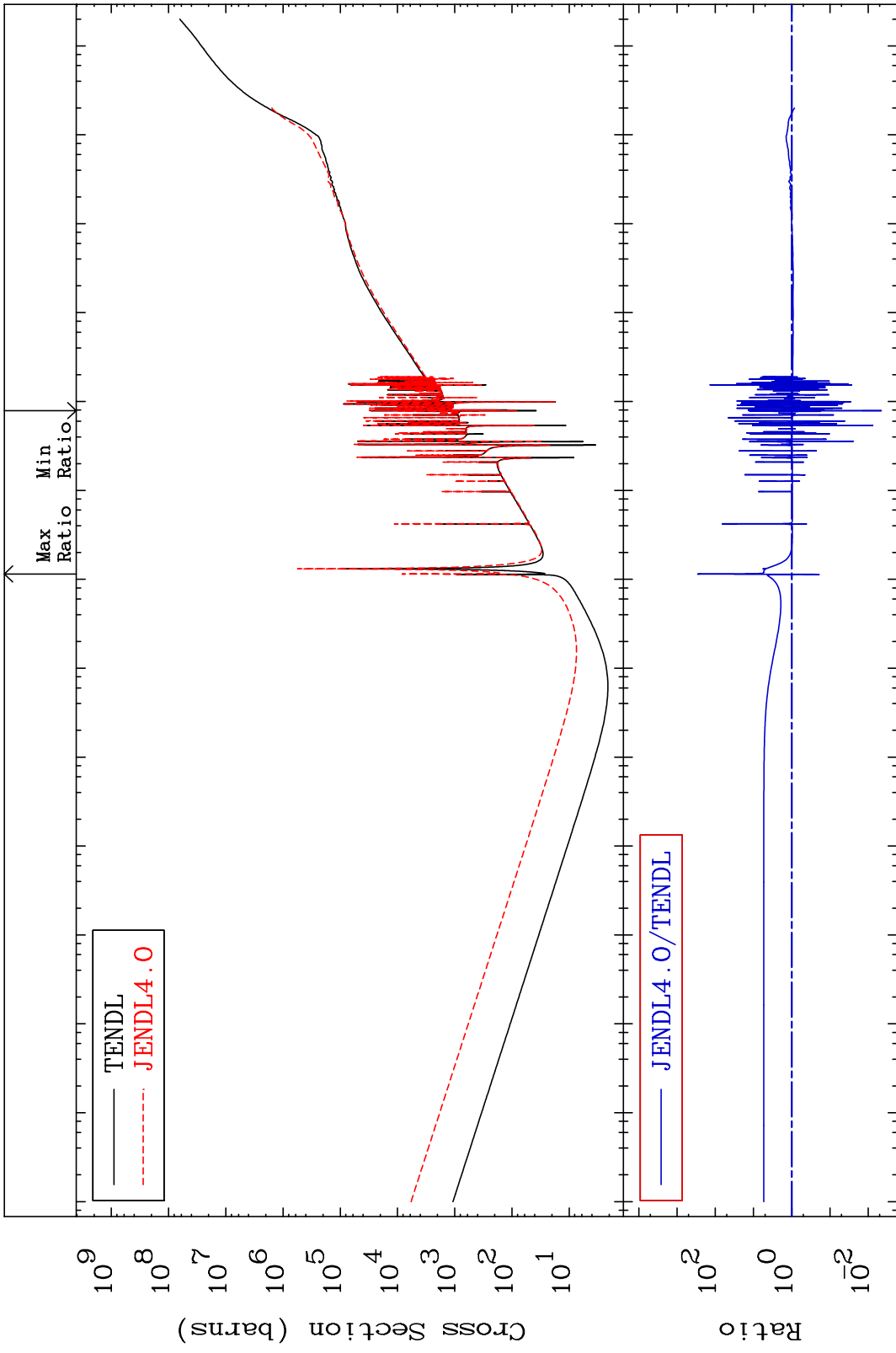
MAT 4237

Total kinematic kerma (high limit)

42-Mo-96

-99.55 To 9999. %

Cross Section



10⁹
10⁸
10⁷
10⁶
10⁵
10⁴
10³
10²
10¹

Cross Section (barns)

JENDL4.0/TENDL

10²
10⁰
10⁻²

Ratio

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

Incident Energy (eV)

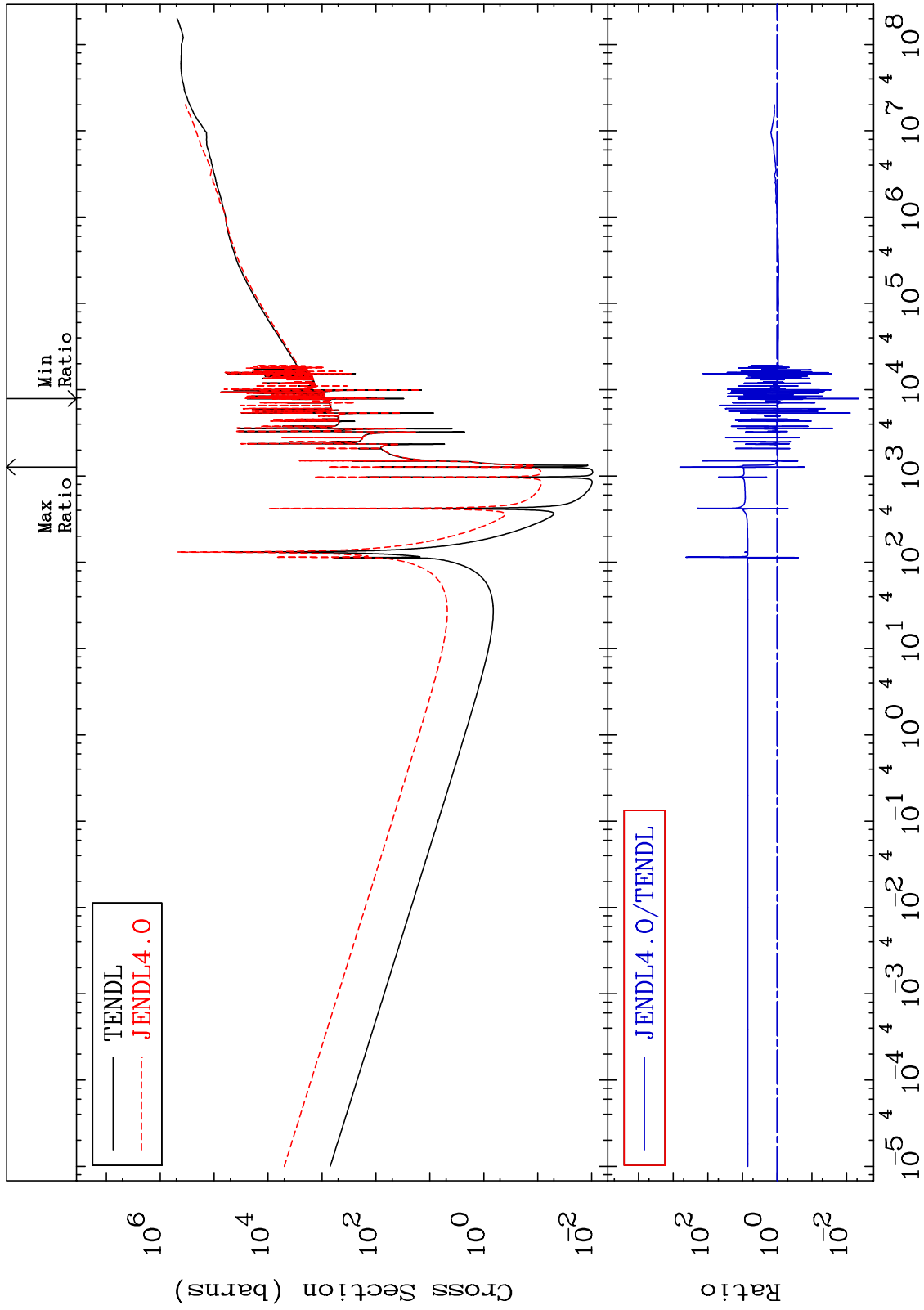
58

42-Mo-96

MAT 4237

Dpa total (eV-barns)
Cross Section

42-Mo-96
-99.55 To 9999. %



59

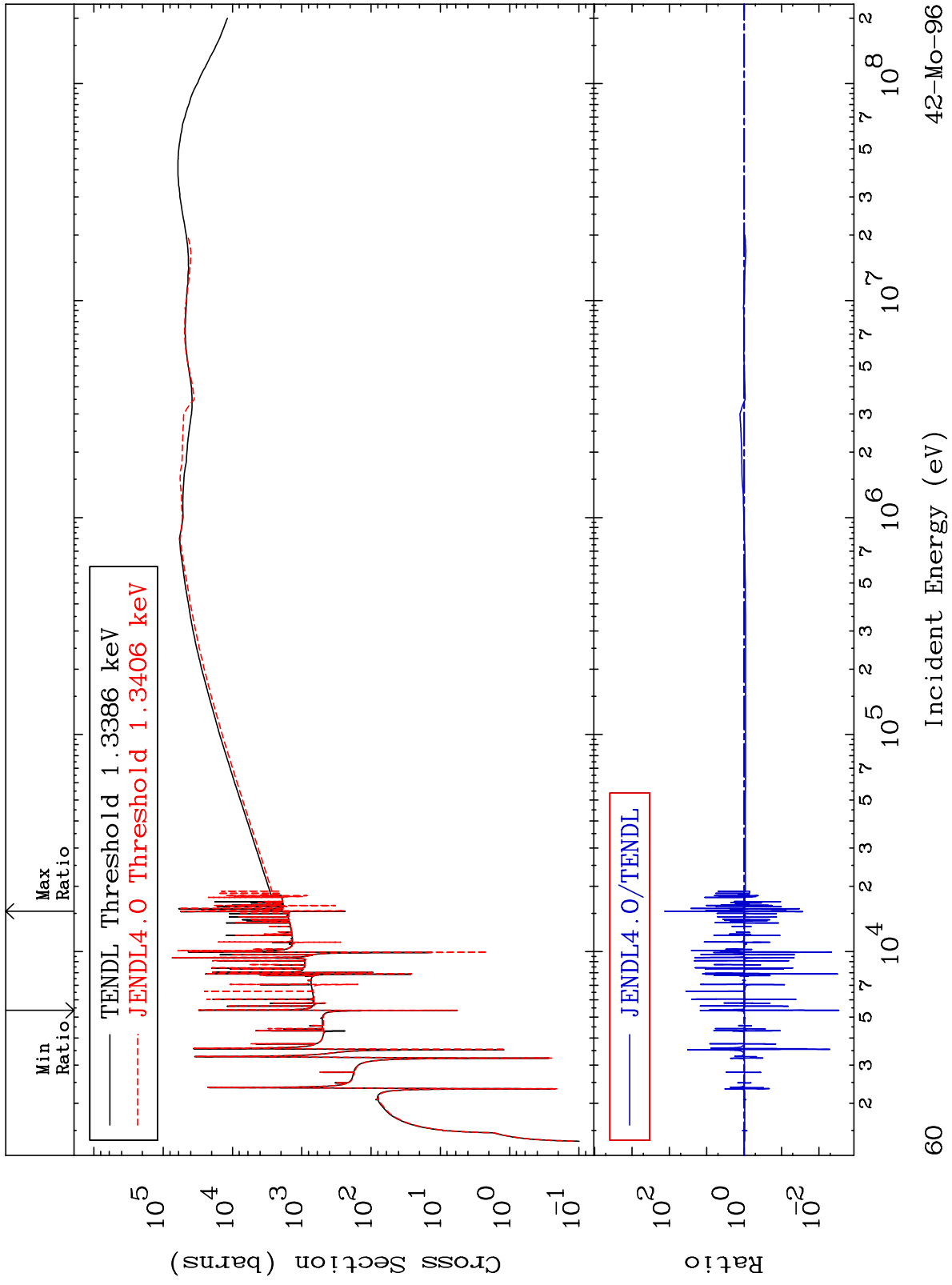
Incident Energy (eV)

42-Mo-96

MAT 4237

Dpa elastic (mt2)
Cross Section

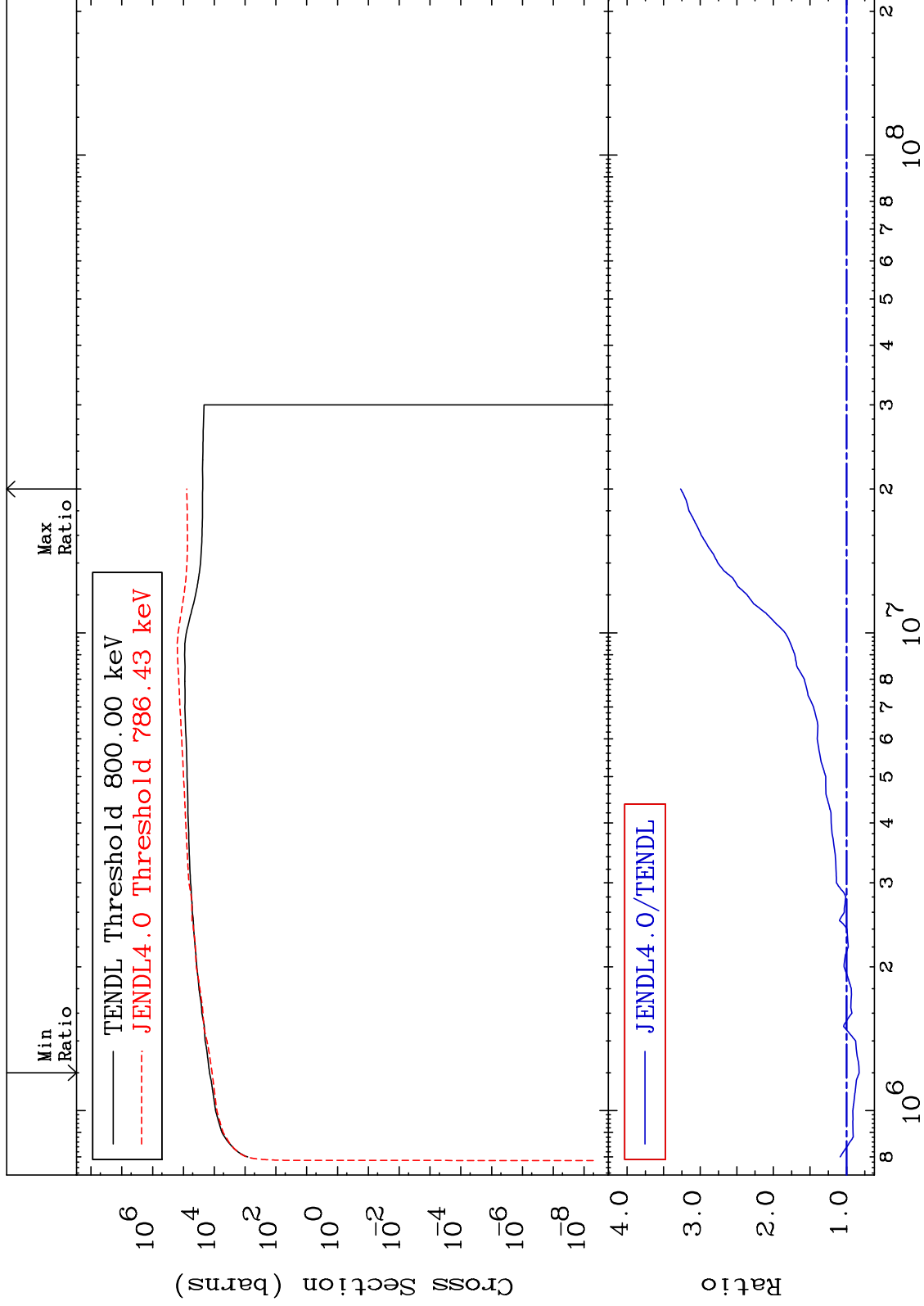
42-Mo-96
-99.71 To 9999. %



MAT 4237

Dpa inelastic (mt51-91)
Cross Section

42-Mo-96
-17.21 To 226.7 %



61

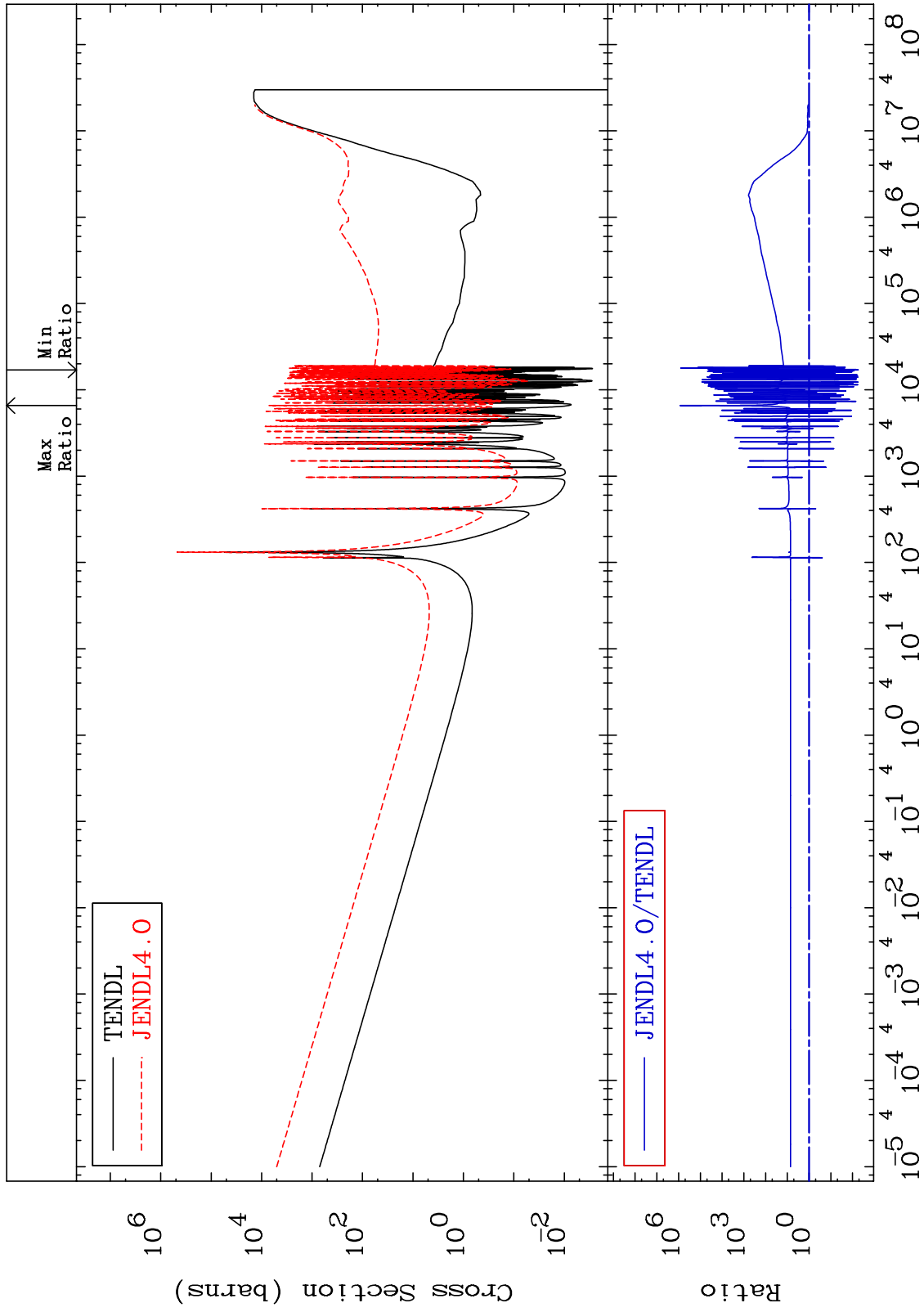
Incident Energy (eV)

42-Mo-96

MAT 4237

Dpa disappearance (mt102 -120)
Cross Section

42-Mo-96
-99.46 To 9999. %



62

Incident Energy (eV)

42-Mo-96