

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

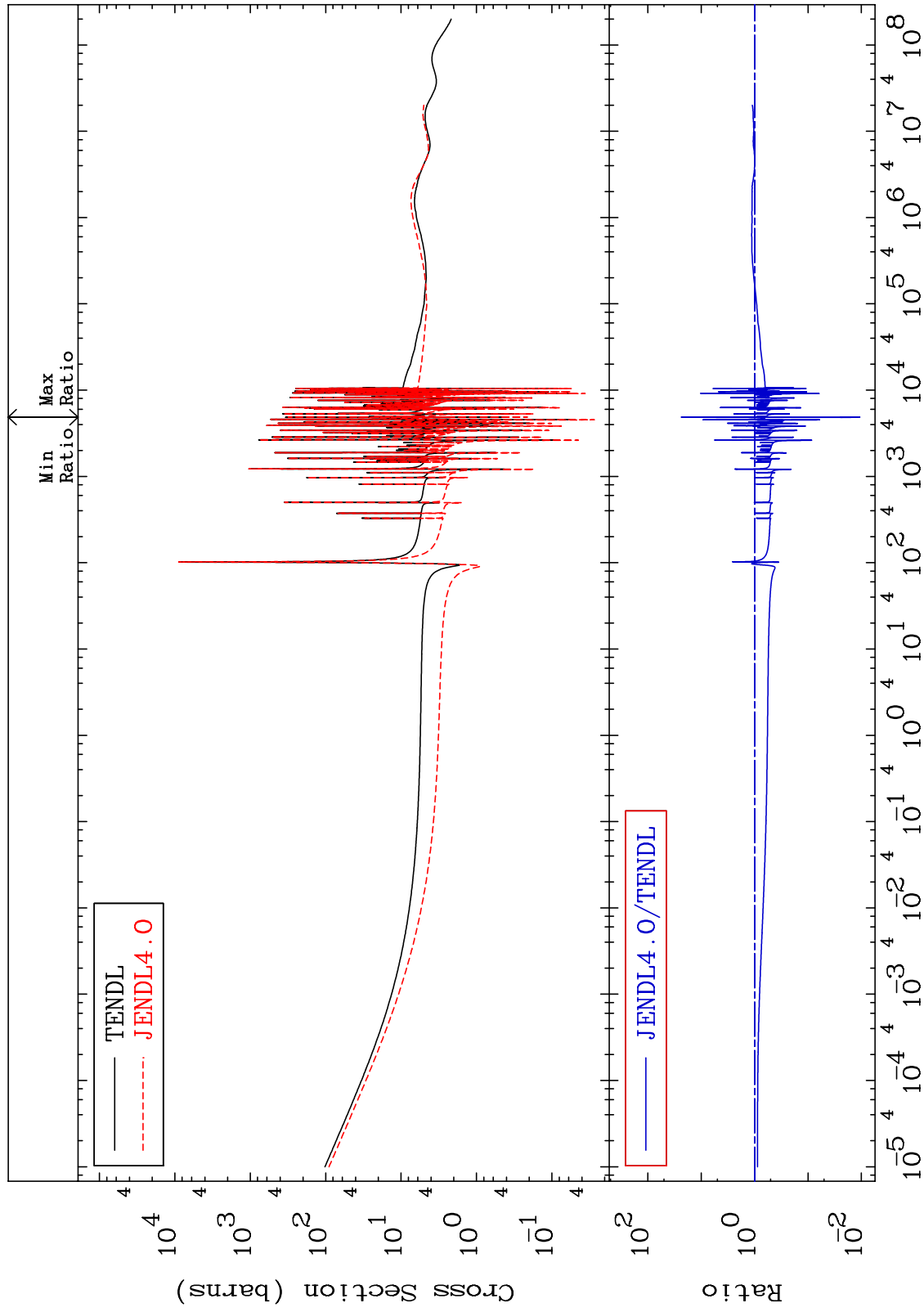
MAT 5637

Total

56-Ba-134

Cross Section

-98.93 To 2242. %



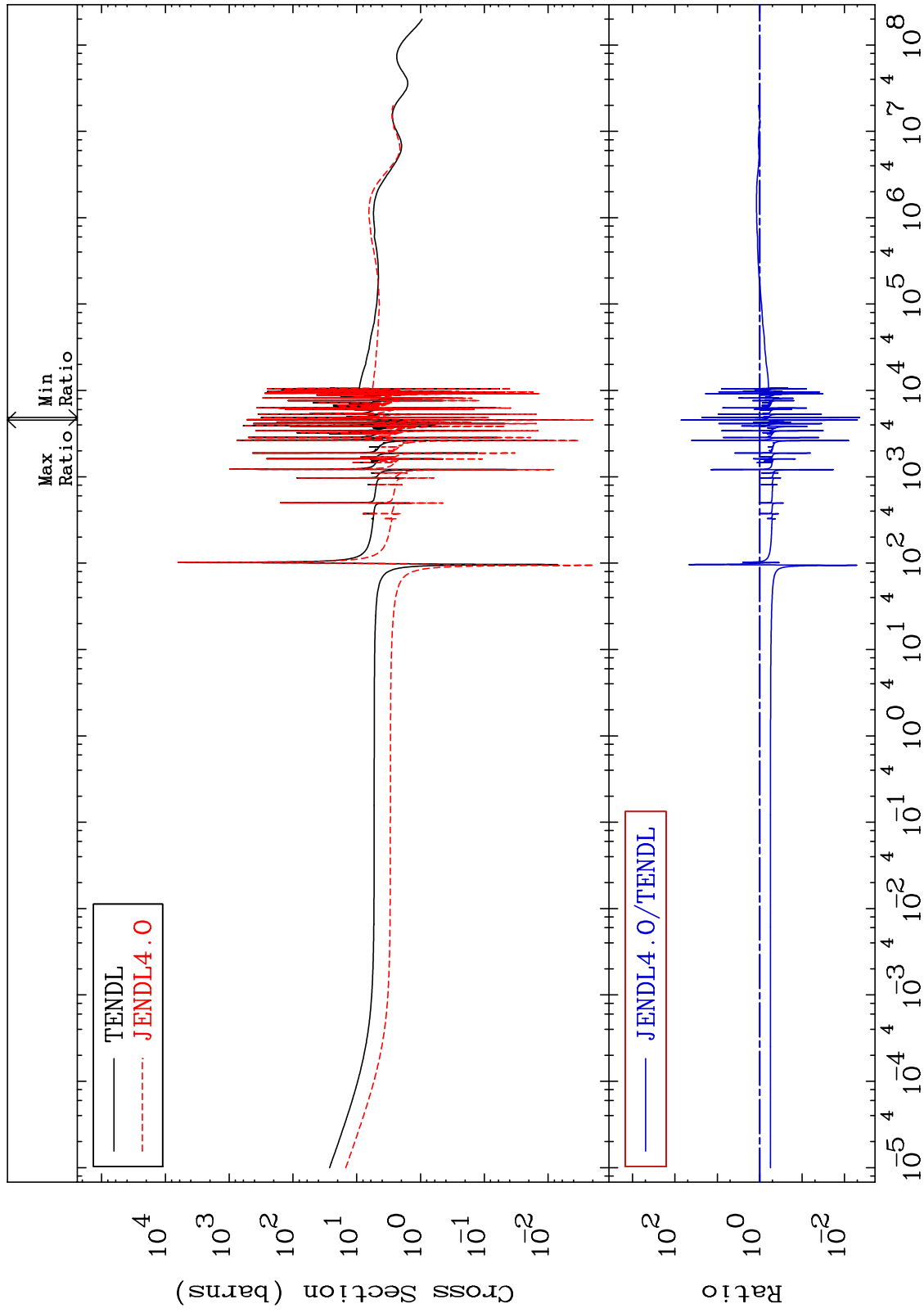
Incident Energy (eV)

56-Ba-134

MAT 5637

Elastic
Cross Section

56-Ba-134
-99.56 To 7004. %



2

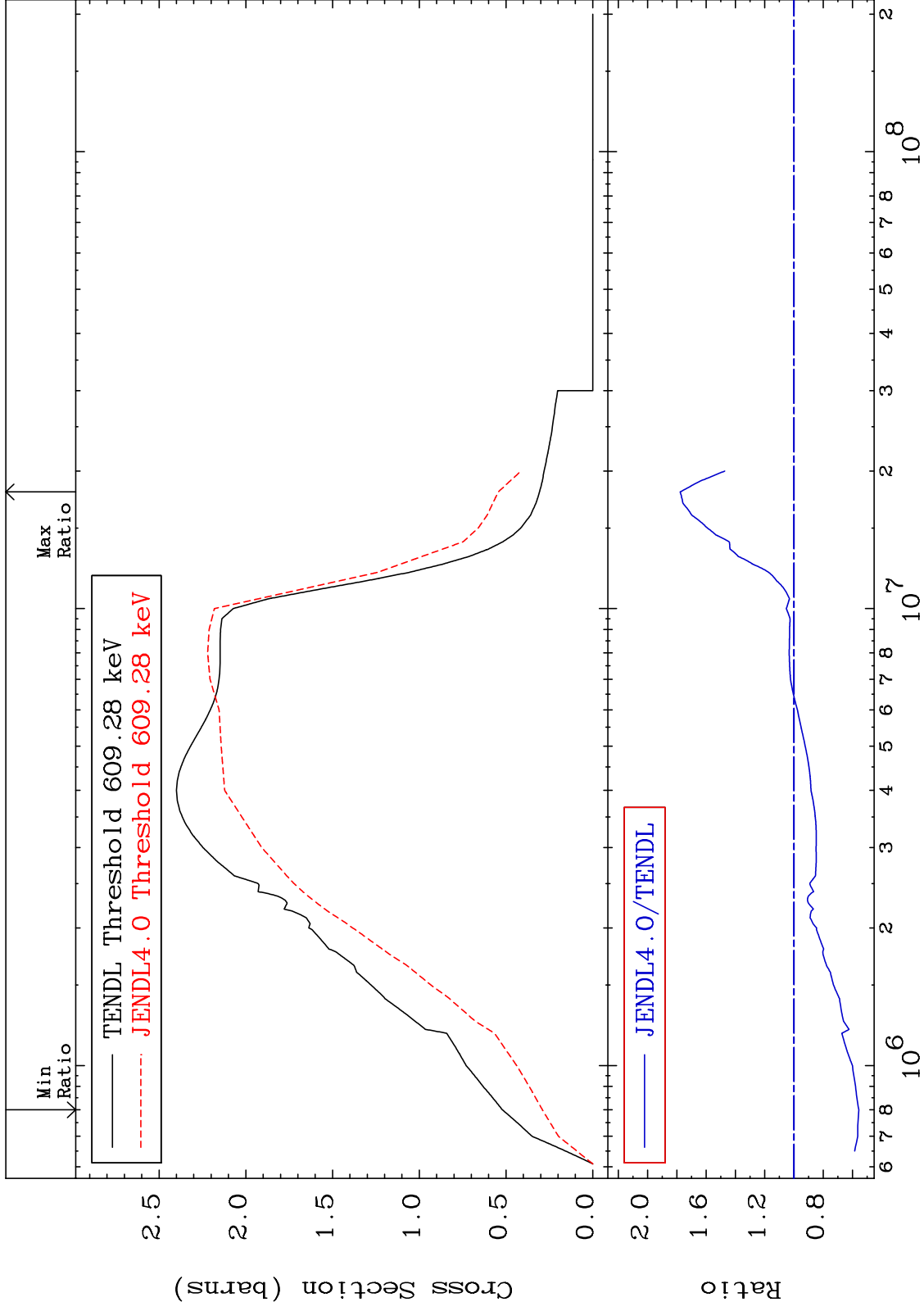
Incident Energy (eV)

56-Ba-134

MAT 5637

Inelastic
Cross Section

56-Ba-134
-44.29 To 77.76 %

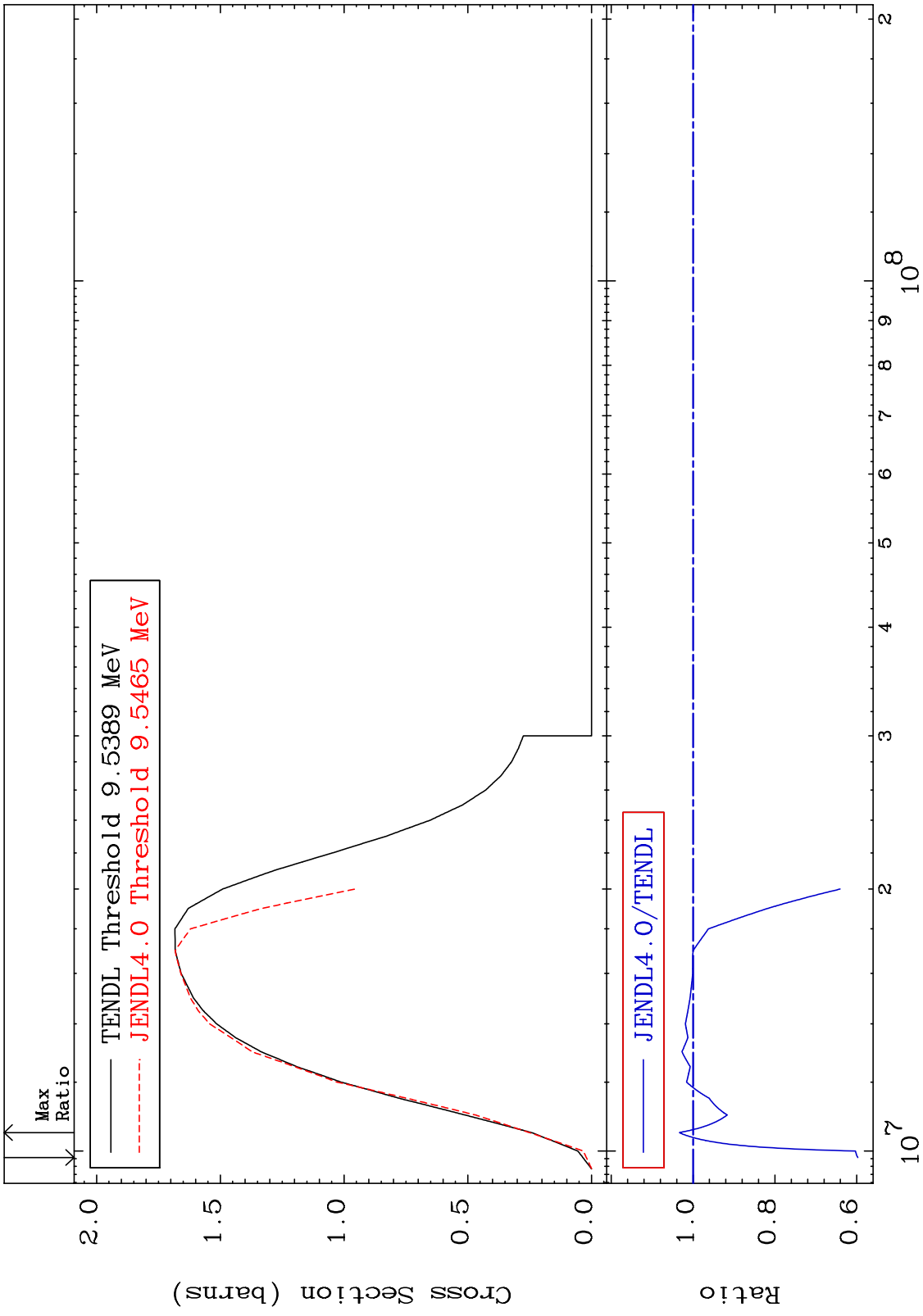


56-Ba-134

Incident Energy (eV)

3

MAT 5637 (n,2n) Cross Section 56-Ba-134 -40.26 To 3.436 %



4 5 6 7 8 9 10⁸ 2 56-Ba-134

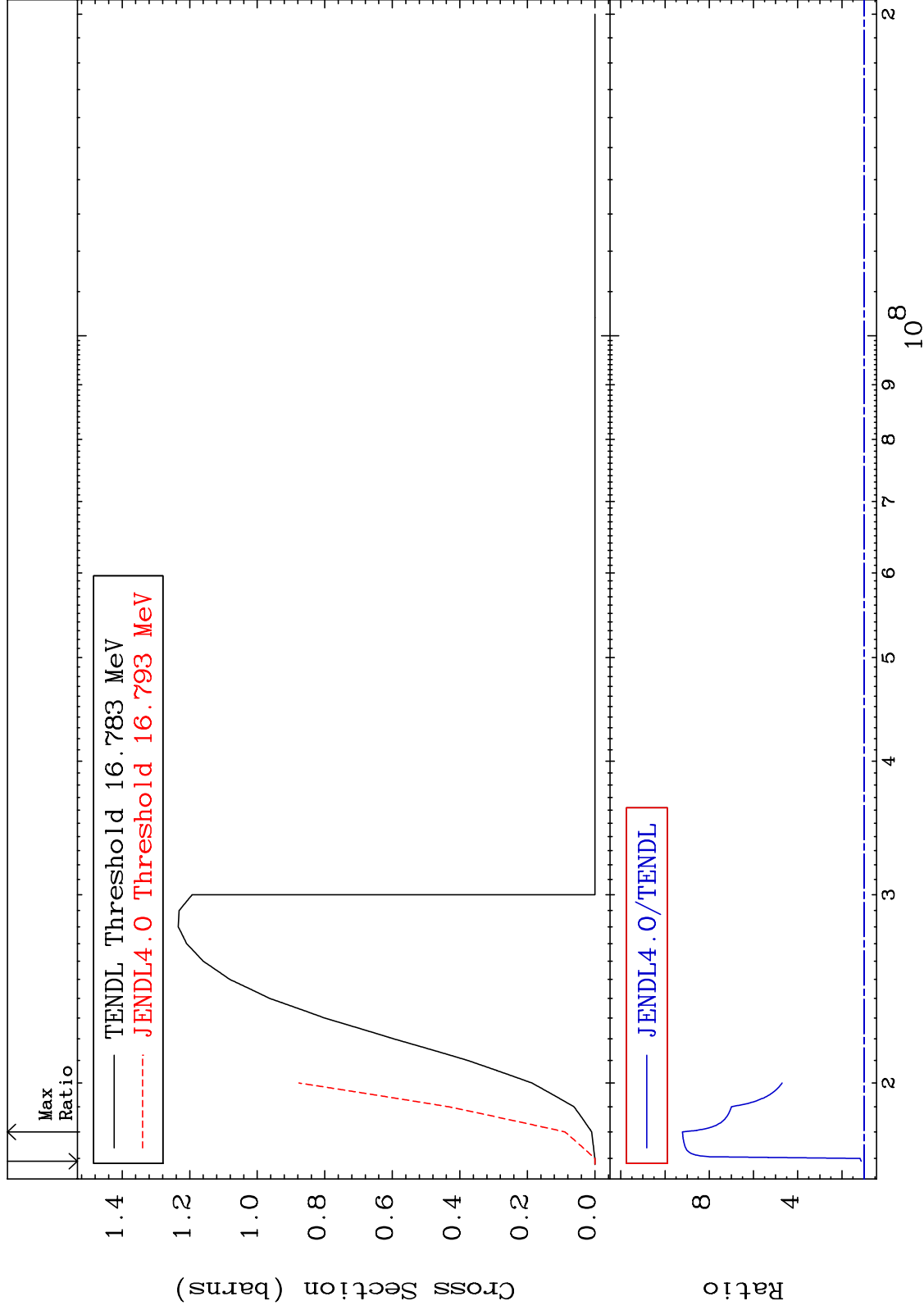
MAT 5637

(n,3n)

56-Ba-134

Cross Section

12.44 To 821.2 %



5

Incident Energy (eV)

56-Ba-134

MAT 5637

(n, n') α

56-Ba-134

-27.26 To 9999. %

Cross Section

Max Ratio

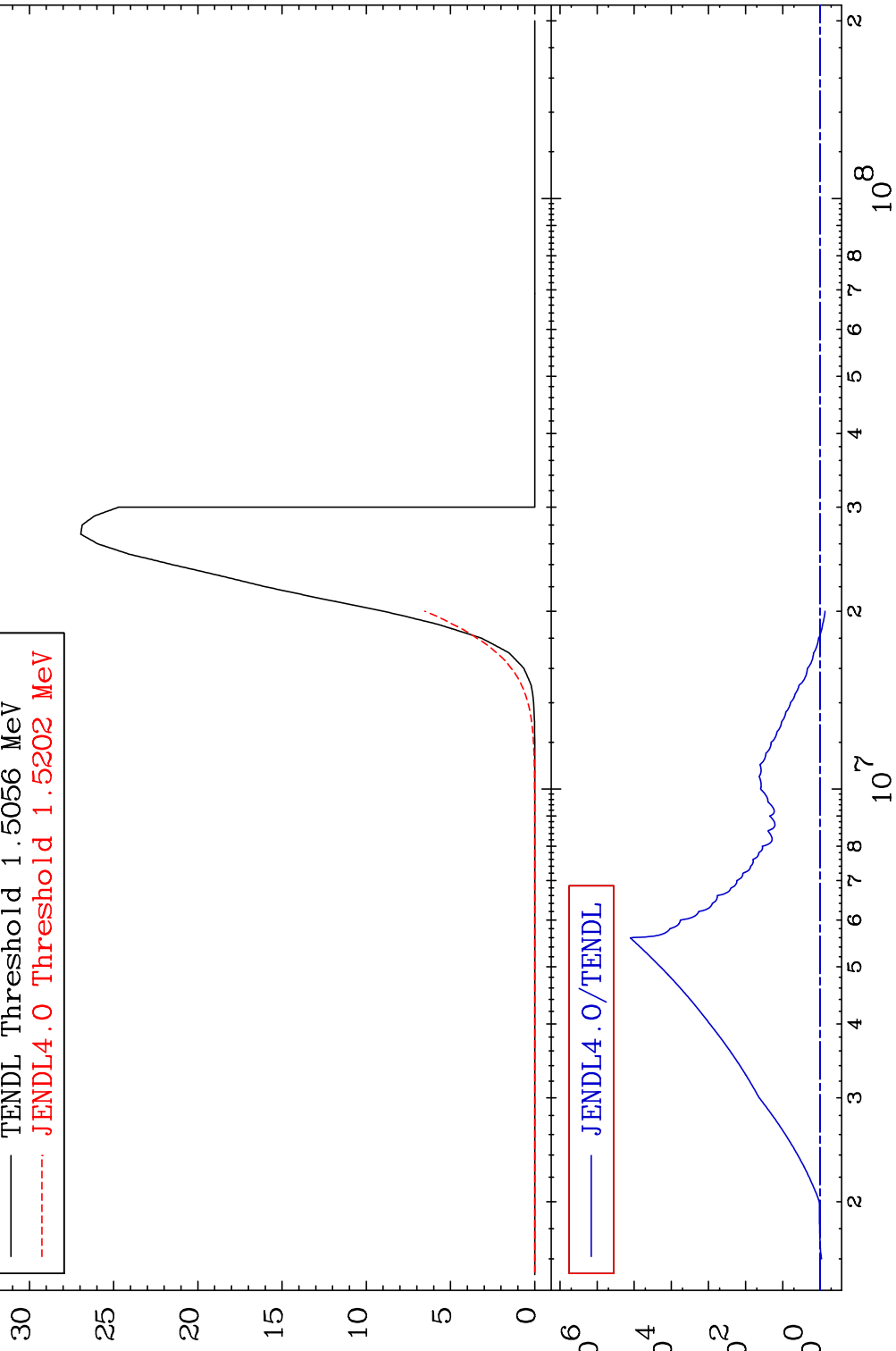
Min Ratio

TENDL Threshold 1.5056 MeV
JENDL4.0 Threshold 1.5202 MeV

JENDL4.0/TENDL

Cross Section (milli-barns)

Ratio



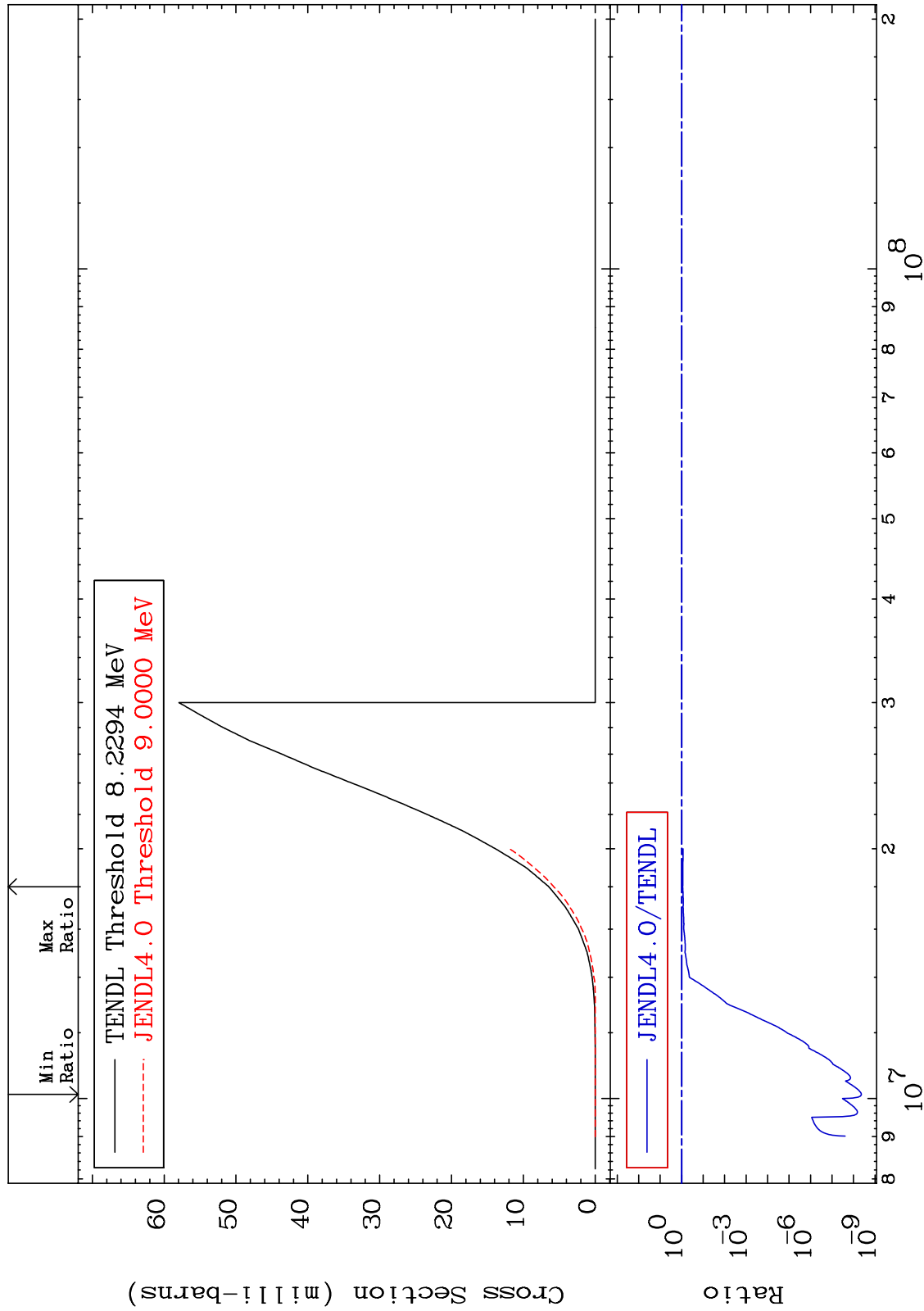
MAT 5637

(n,n') p

56-Ba-134

Cross Section

-100.0 To -10.52%

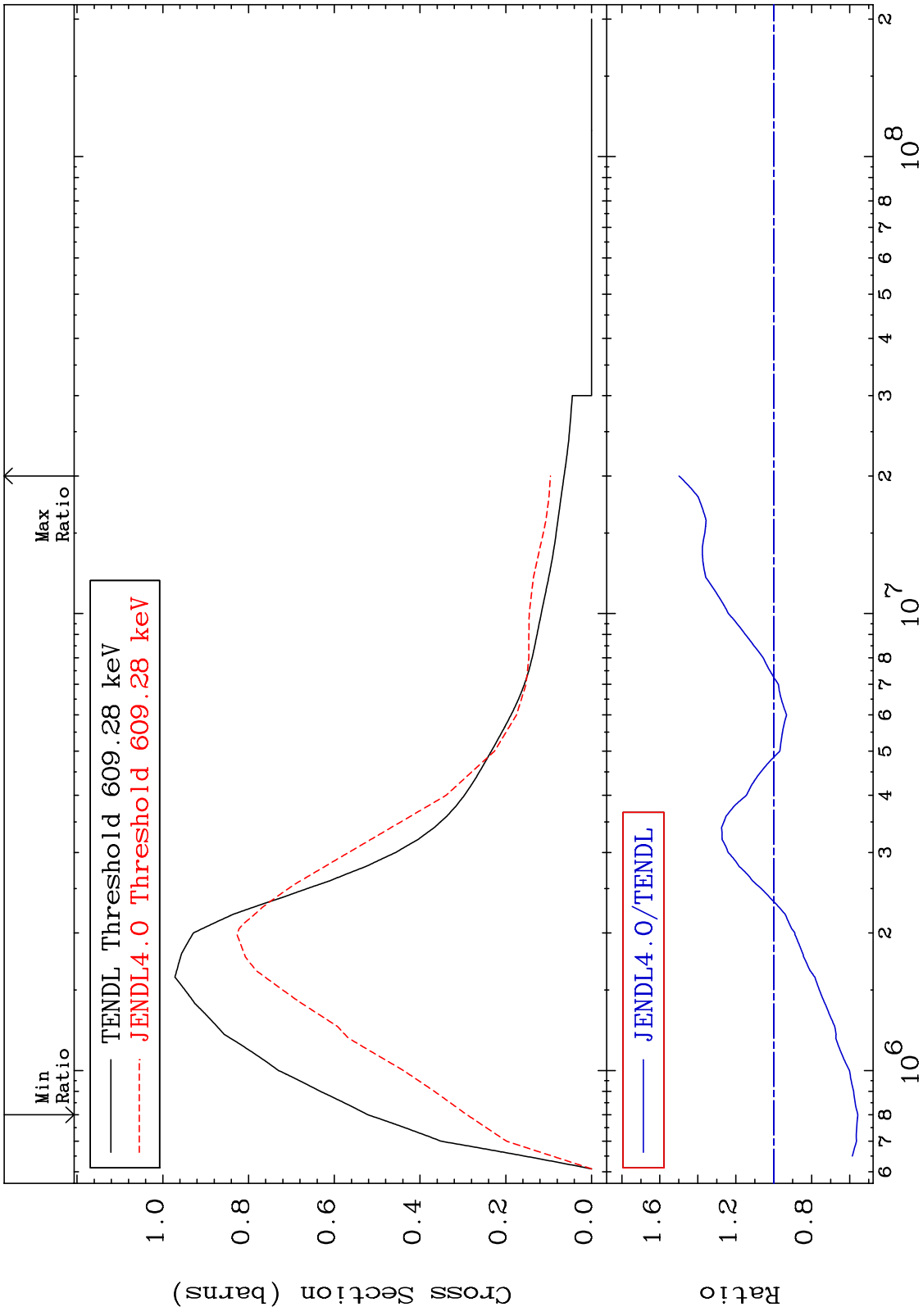


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Incident Energy (eV)

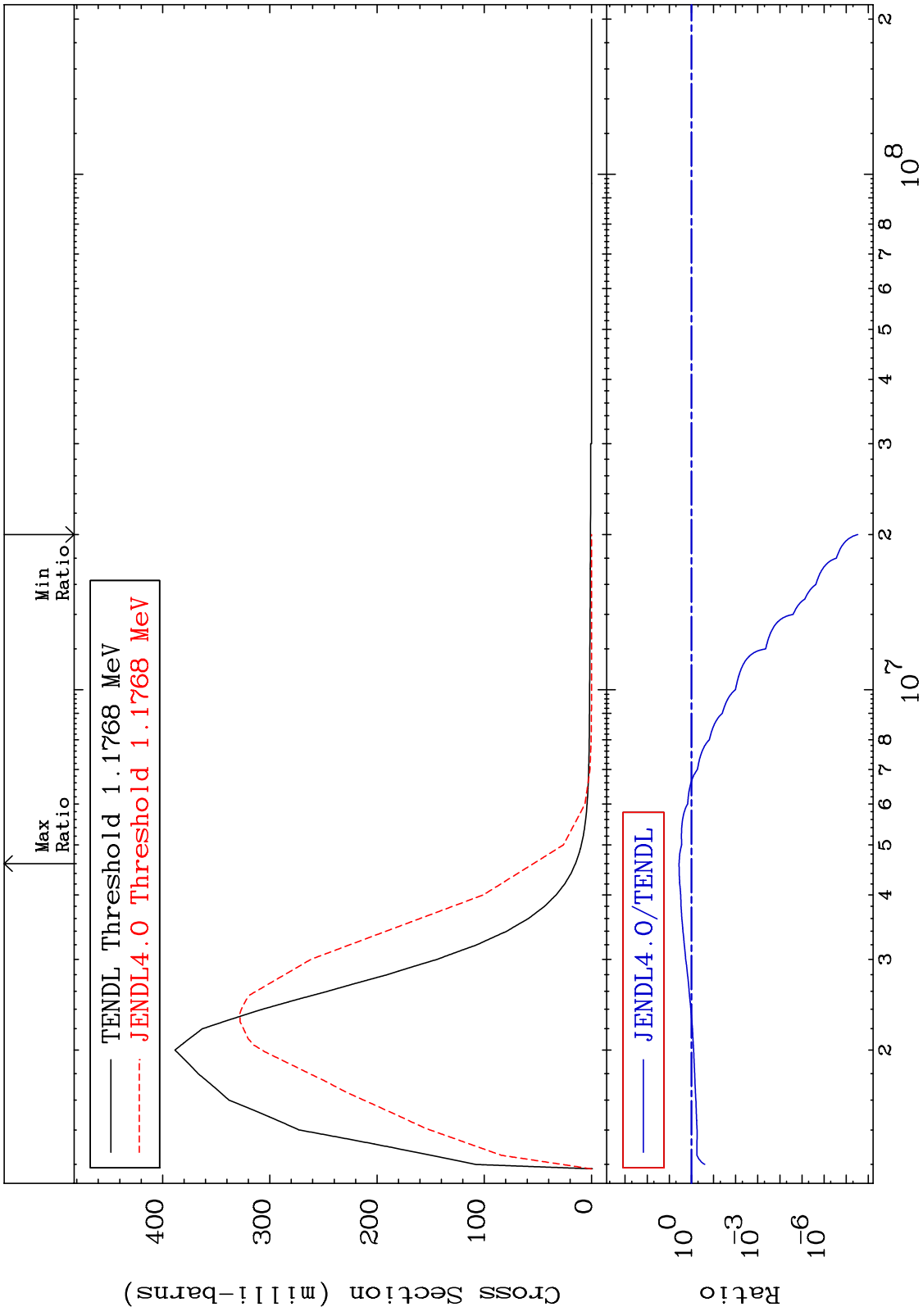
56-Ba-134

MAT 5637 MT= 51 (n,n') Level Cross Section 56-Ba-134 -44.29 To 49.89 %

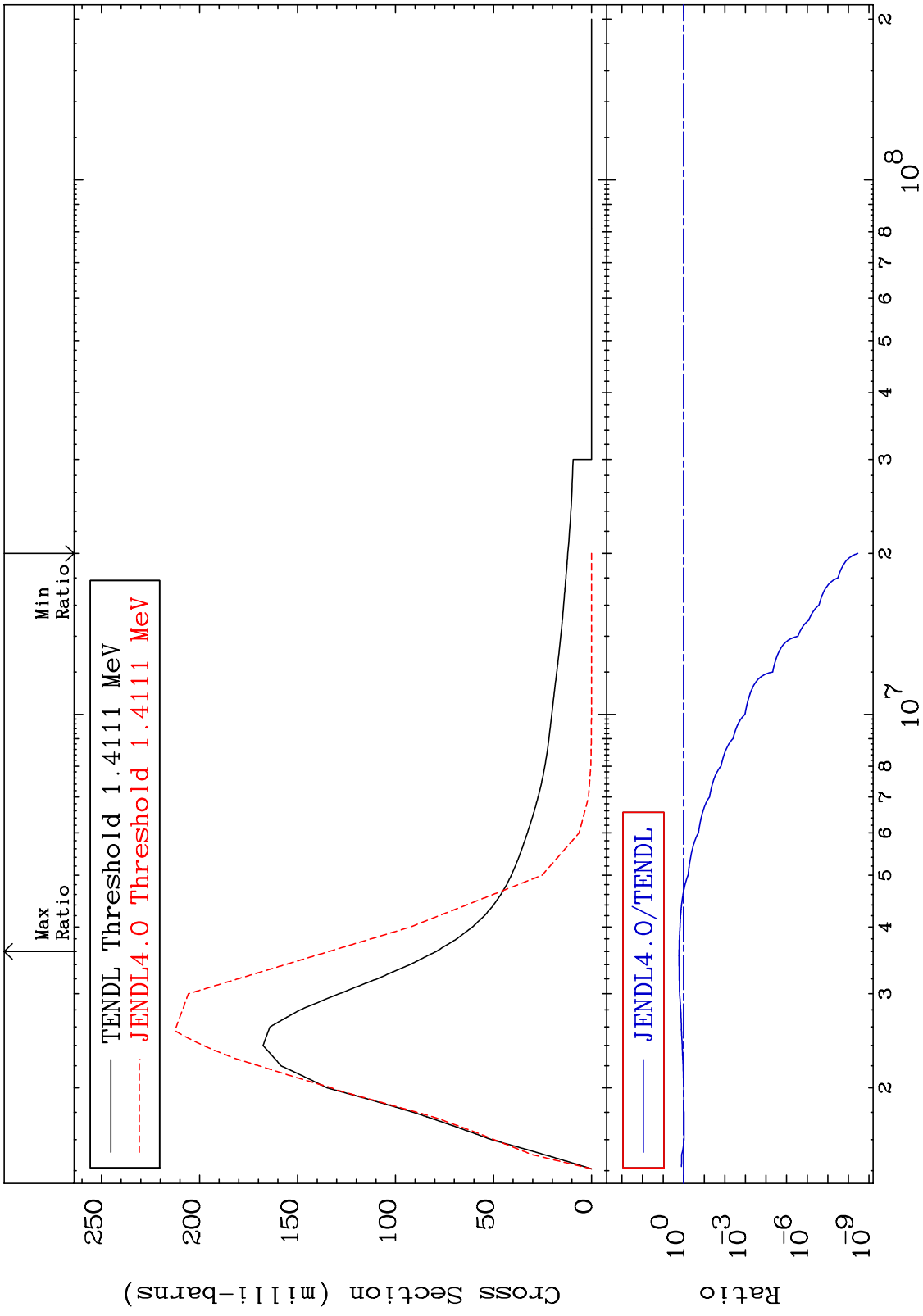


8 56-Ba-134

MAT 5637 MT= 52 (n,n') Level Cross Section 56-Ba-134 -100.0 To 262.7 %

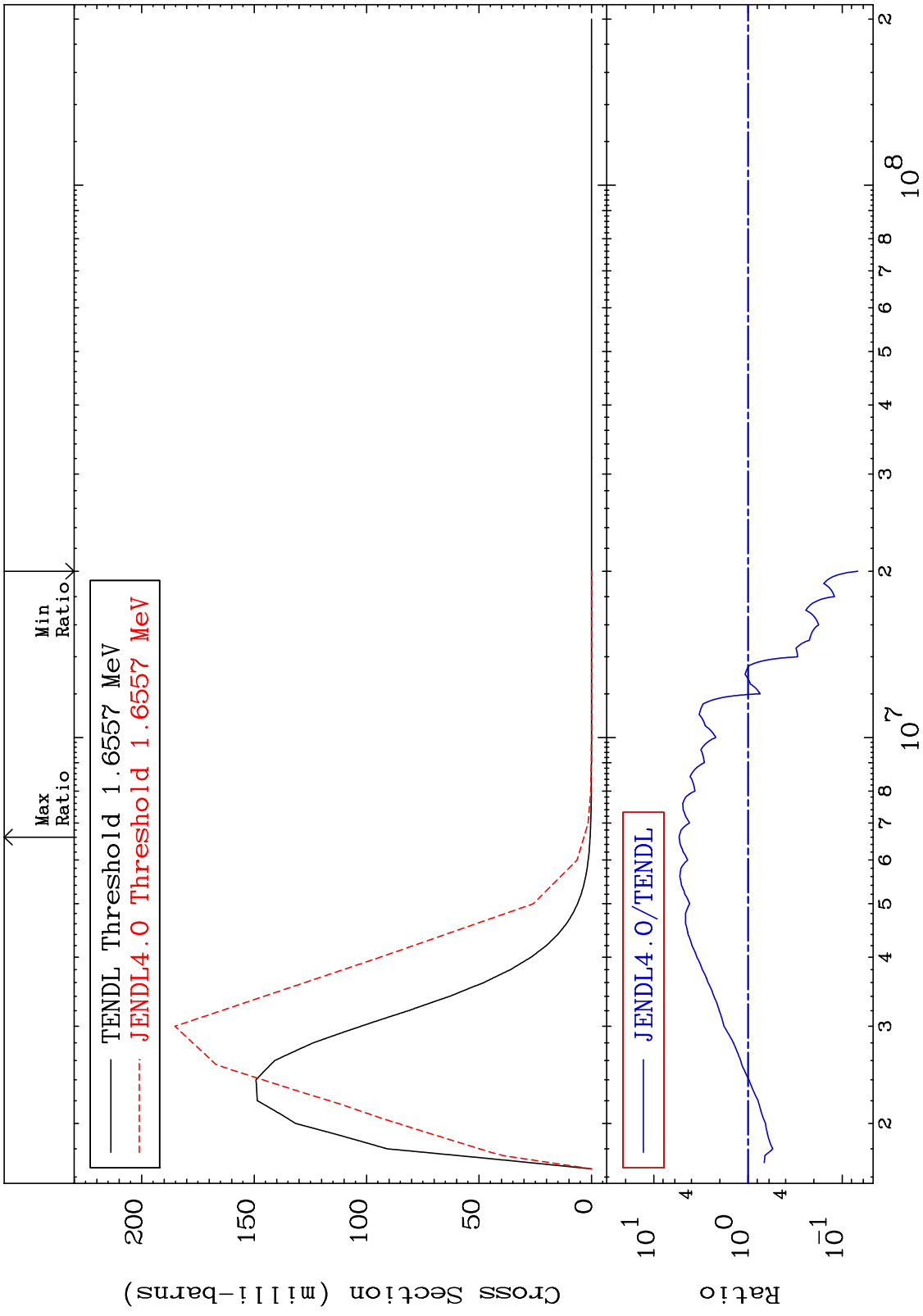


MAT 5637 MT= 53 (n,n') Level Cross Section 56-Ba-134 -100.0 To 69.04 %



10 56-Ba-134

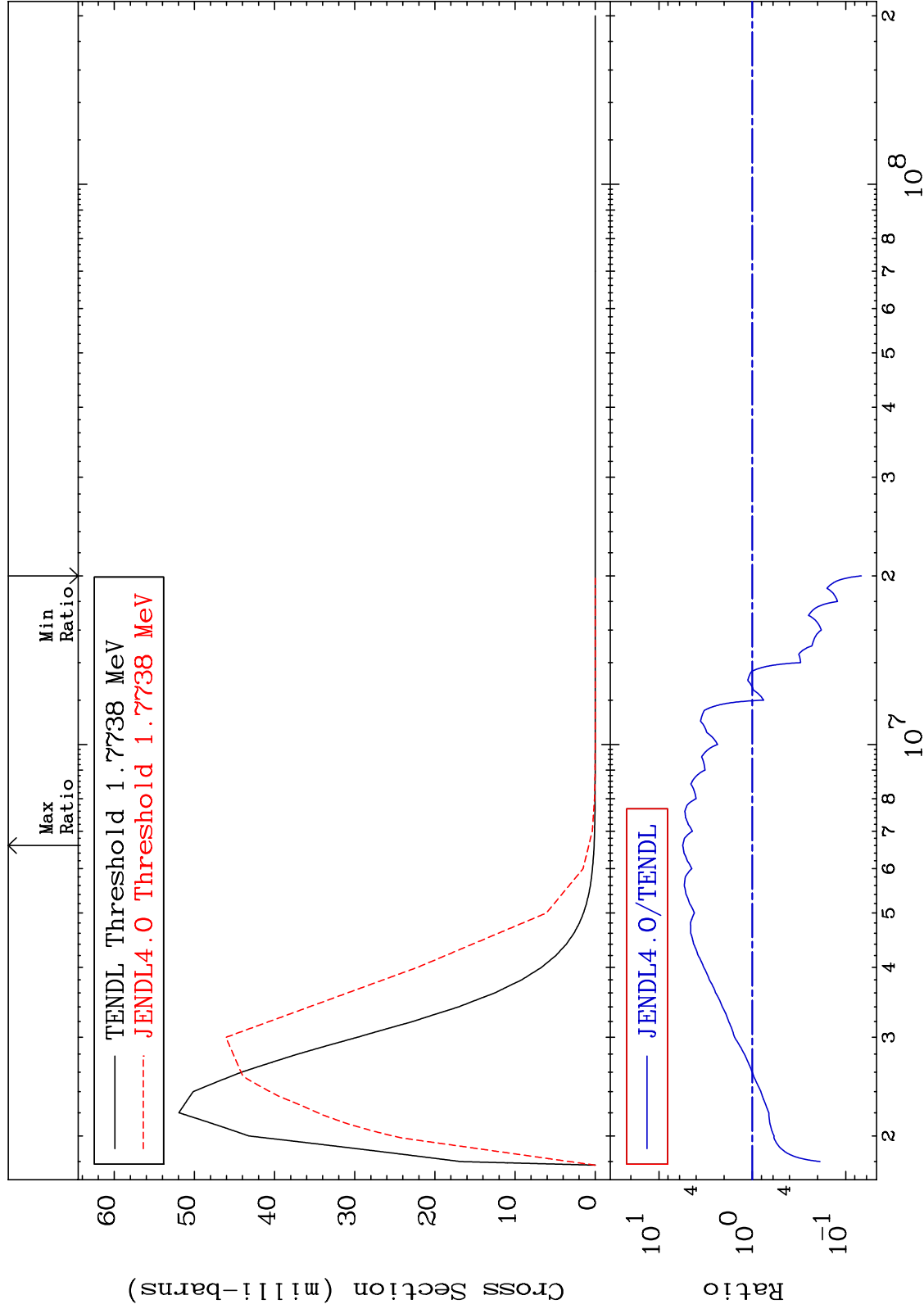
MAT 5637 MT= 54 (n,n') Level Cross Section 56-Ba-134 -93.16 To 441.0 %



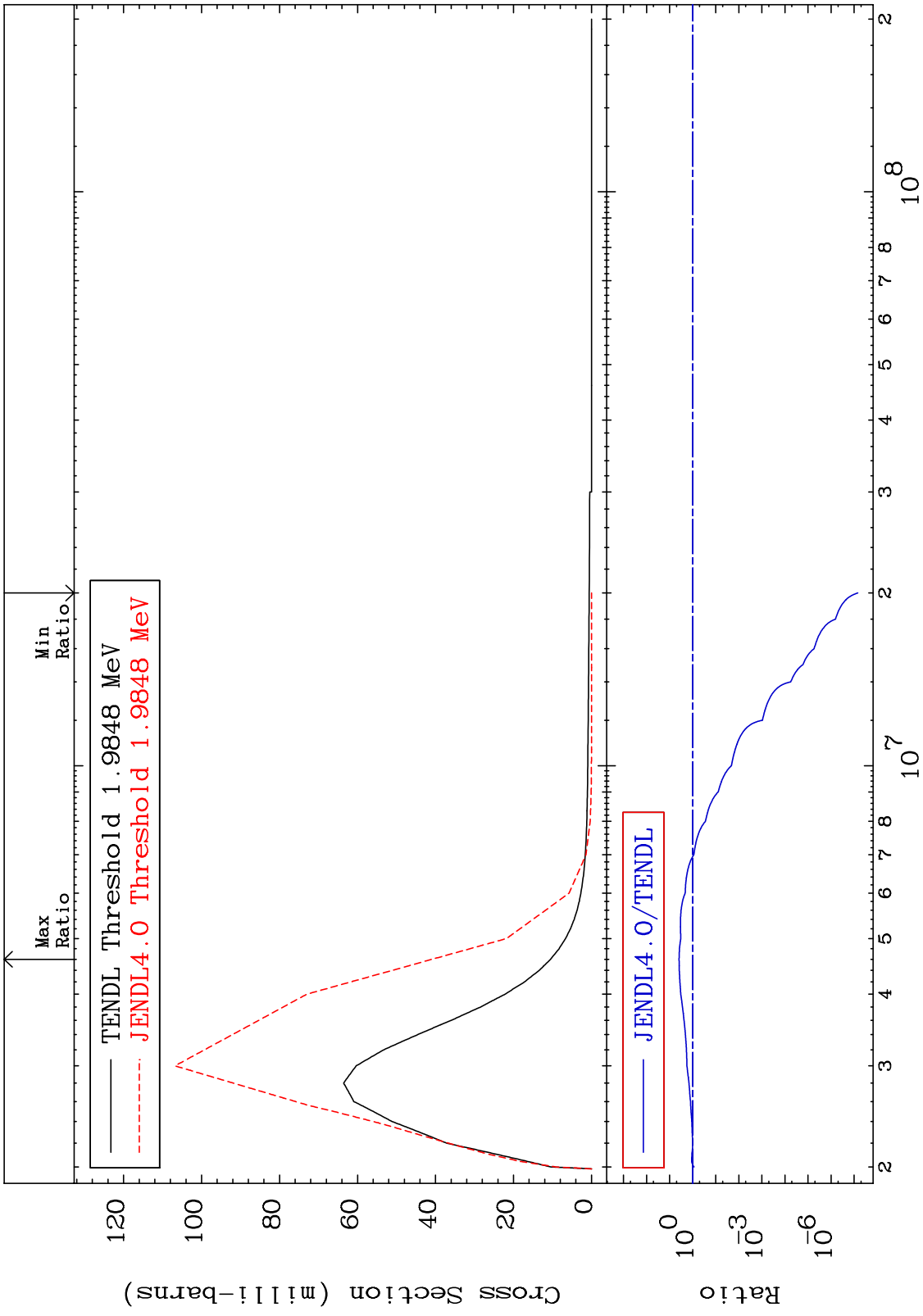
MAT 5637

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

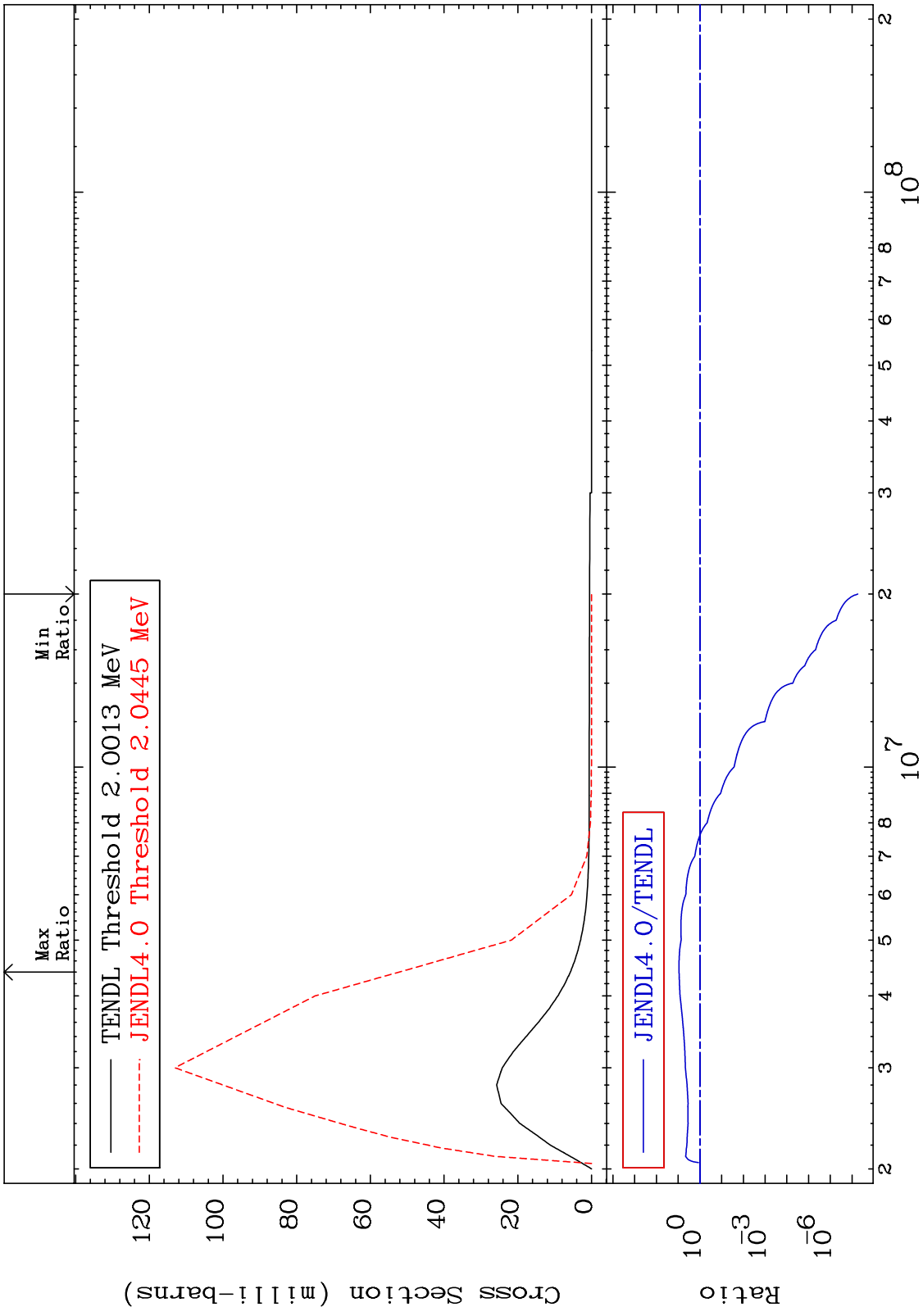
56-Ba-134
-93.19 To 456.7 %



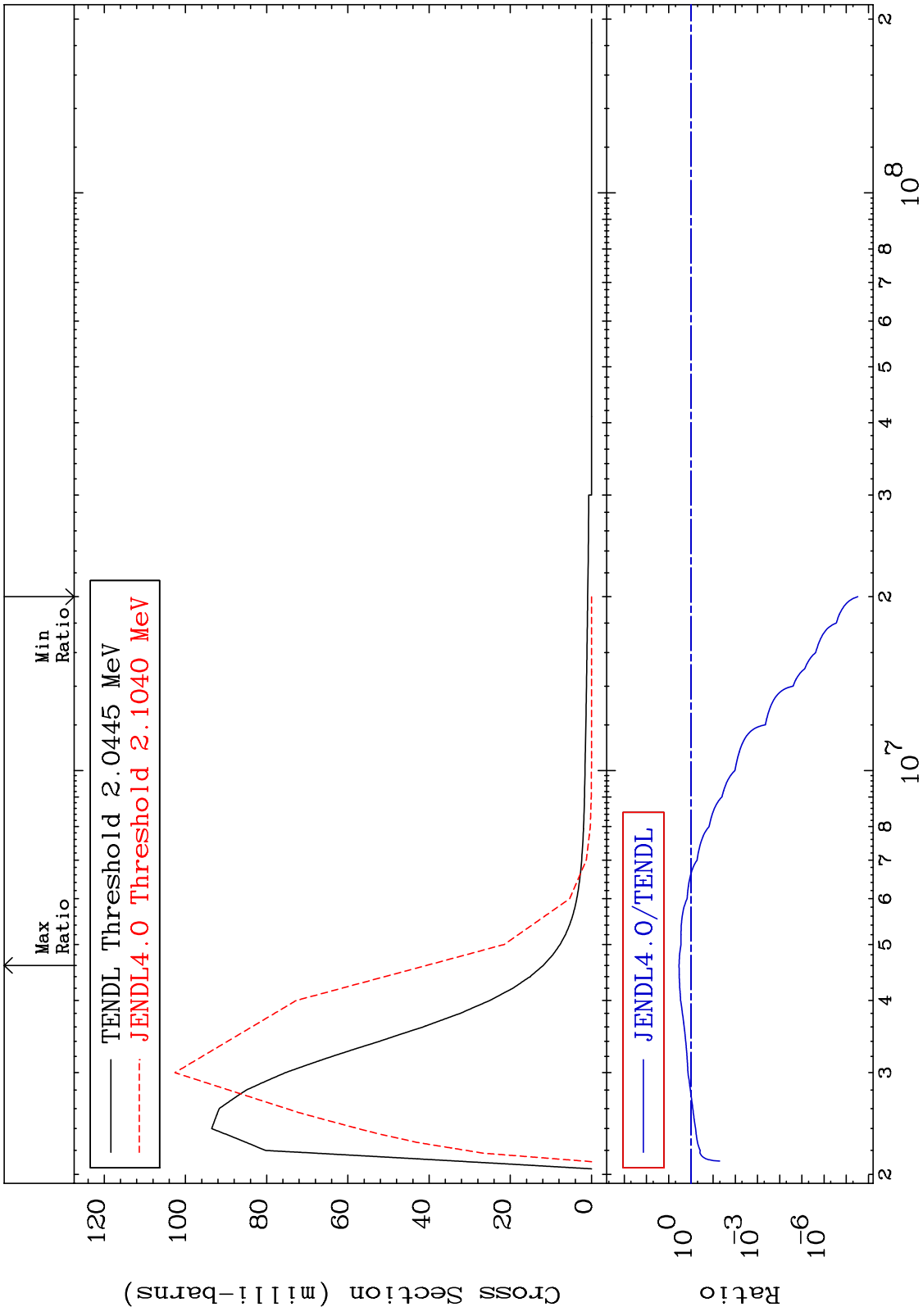
MAT 5637 MT= 56 (n,n') Level Cross Section 56-Ba-134 -100.0 To 289.5 %



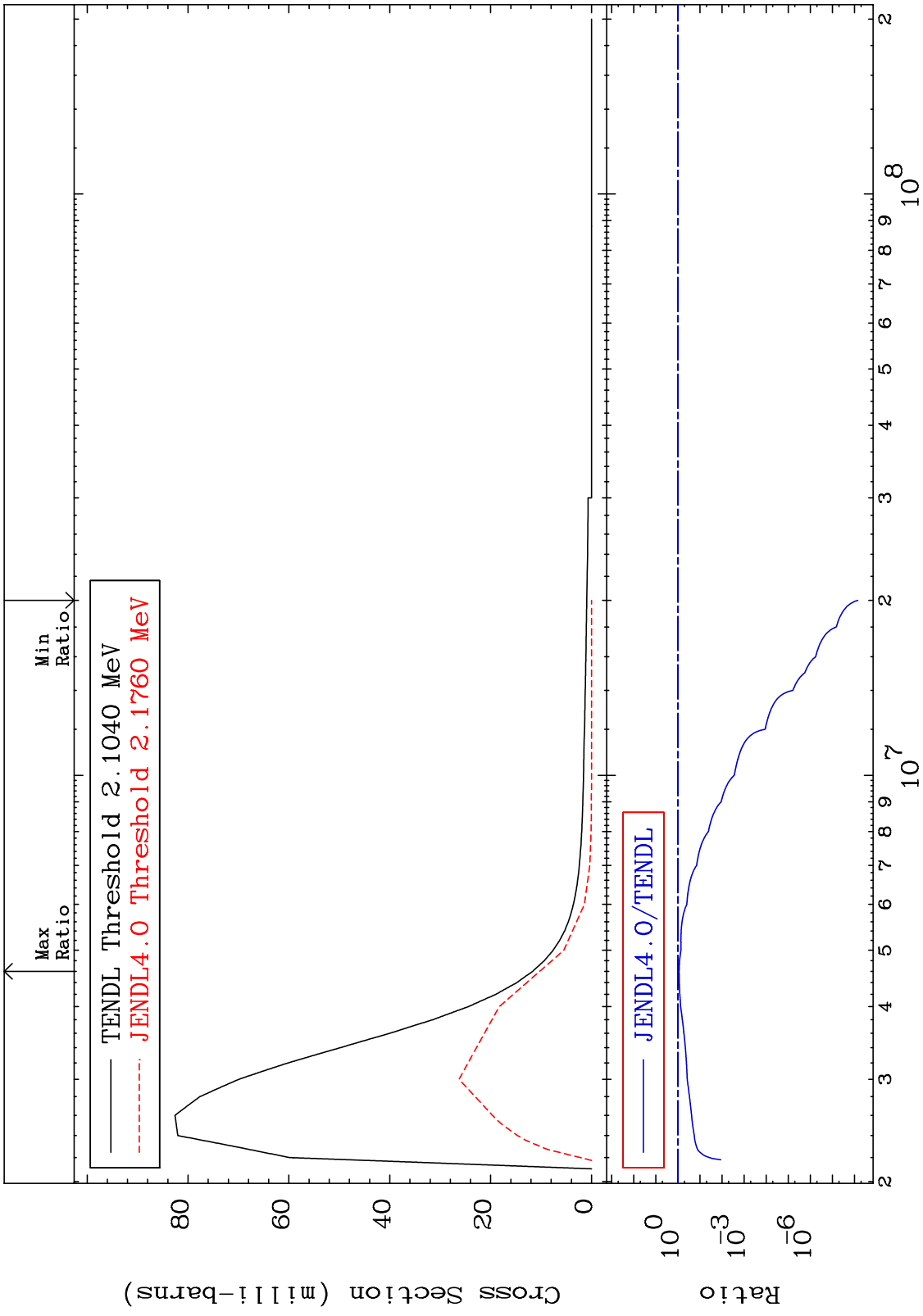
MAT 5637 MT= 57 (n,n') Level Cross Section 56-Ba-134 -100.0 To 810.3 %



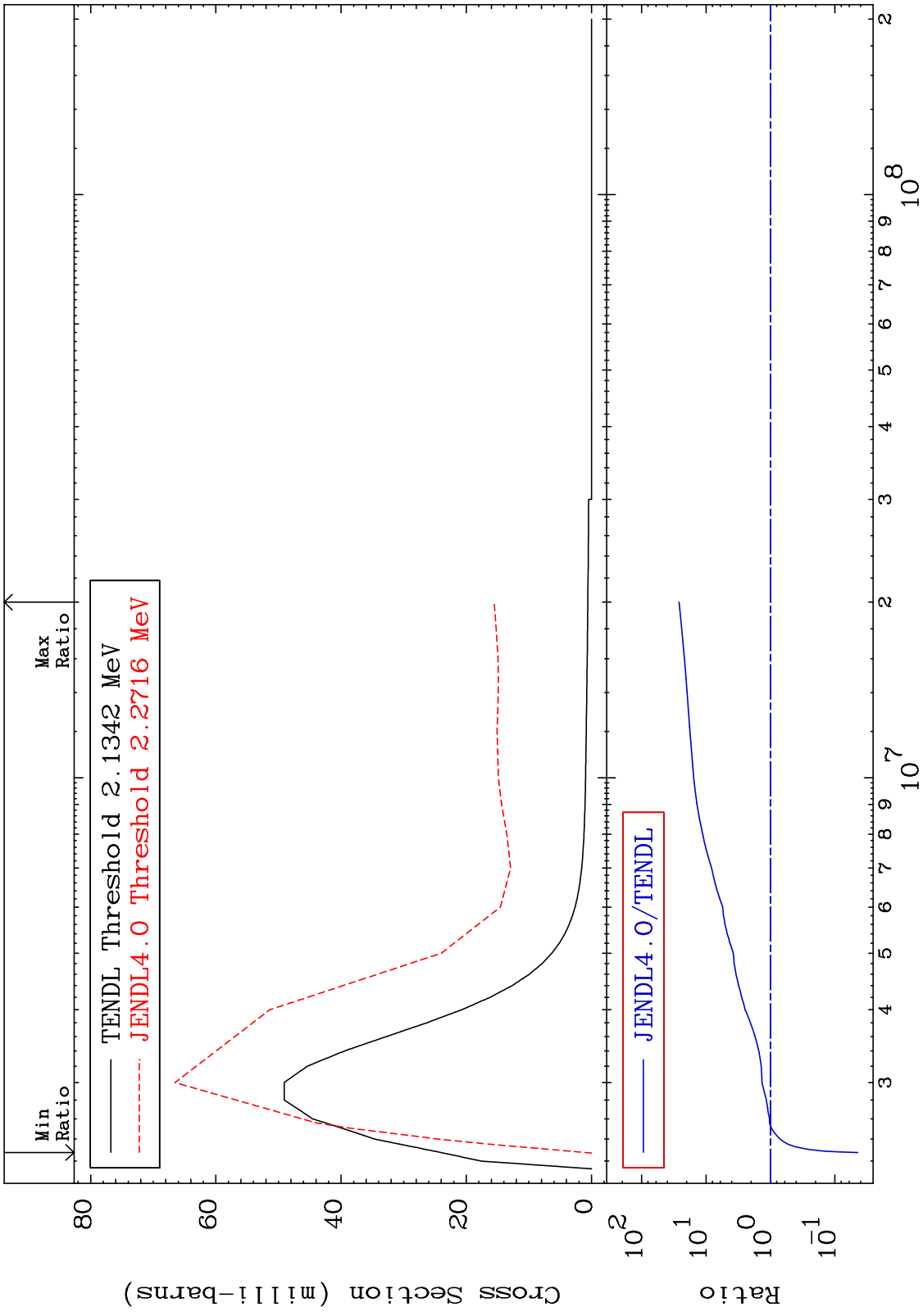
MAT 5637 MT= 58 (n,n') Level Cross Section 56-Ba-134 -100.0 To 241.8 %



MAT 5637 MT= 59 (n,n') Level Cross Section 56-Ba-134 -100.0 To -11.90%



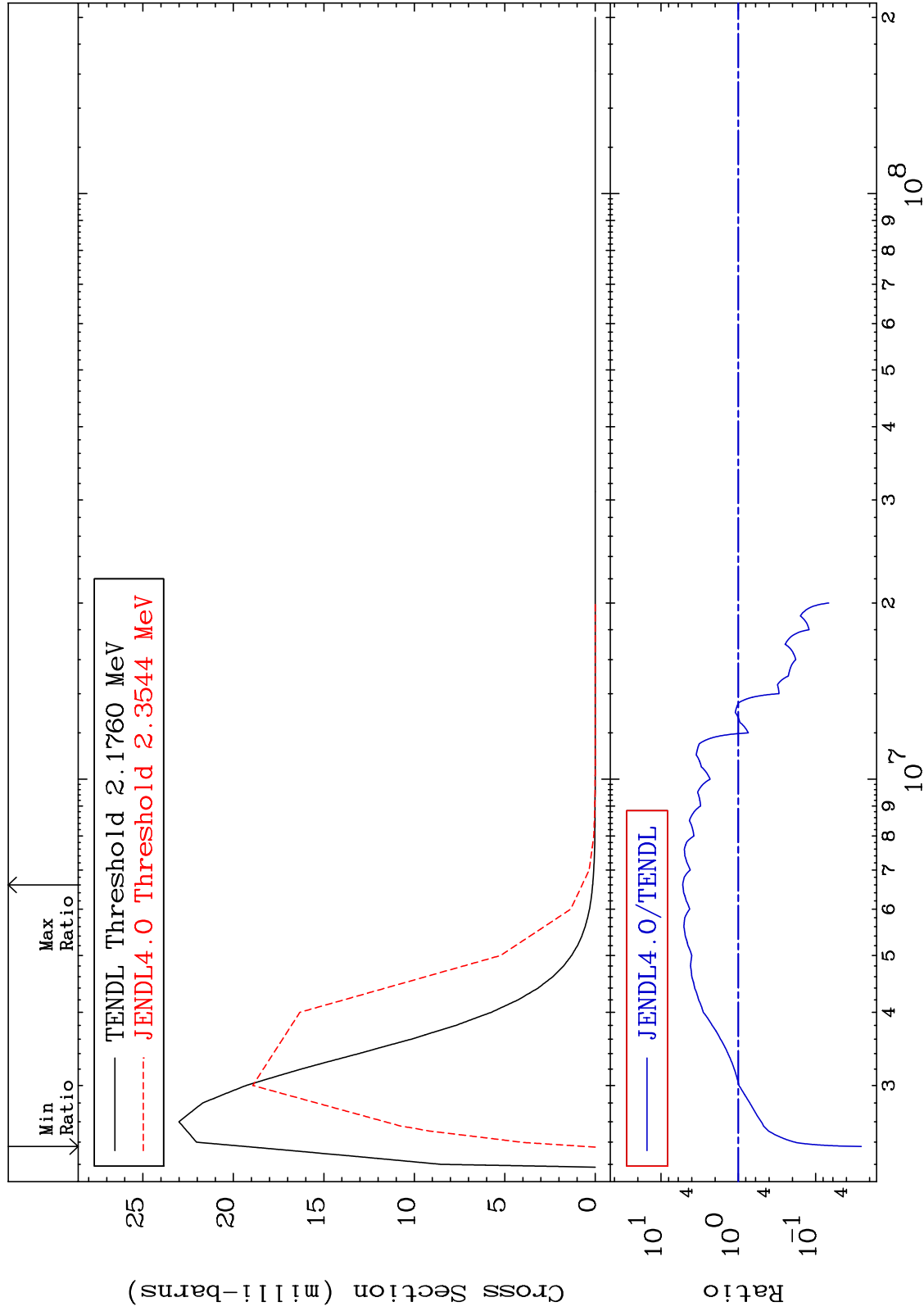
MAT 5637 MT= 60 (n,n') Level Cross Section 56-Ba-134 -95.60 To 2529. %



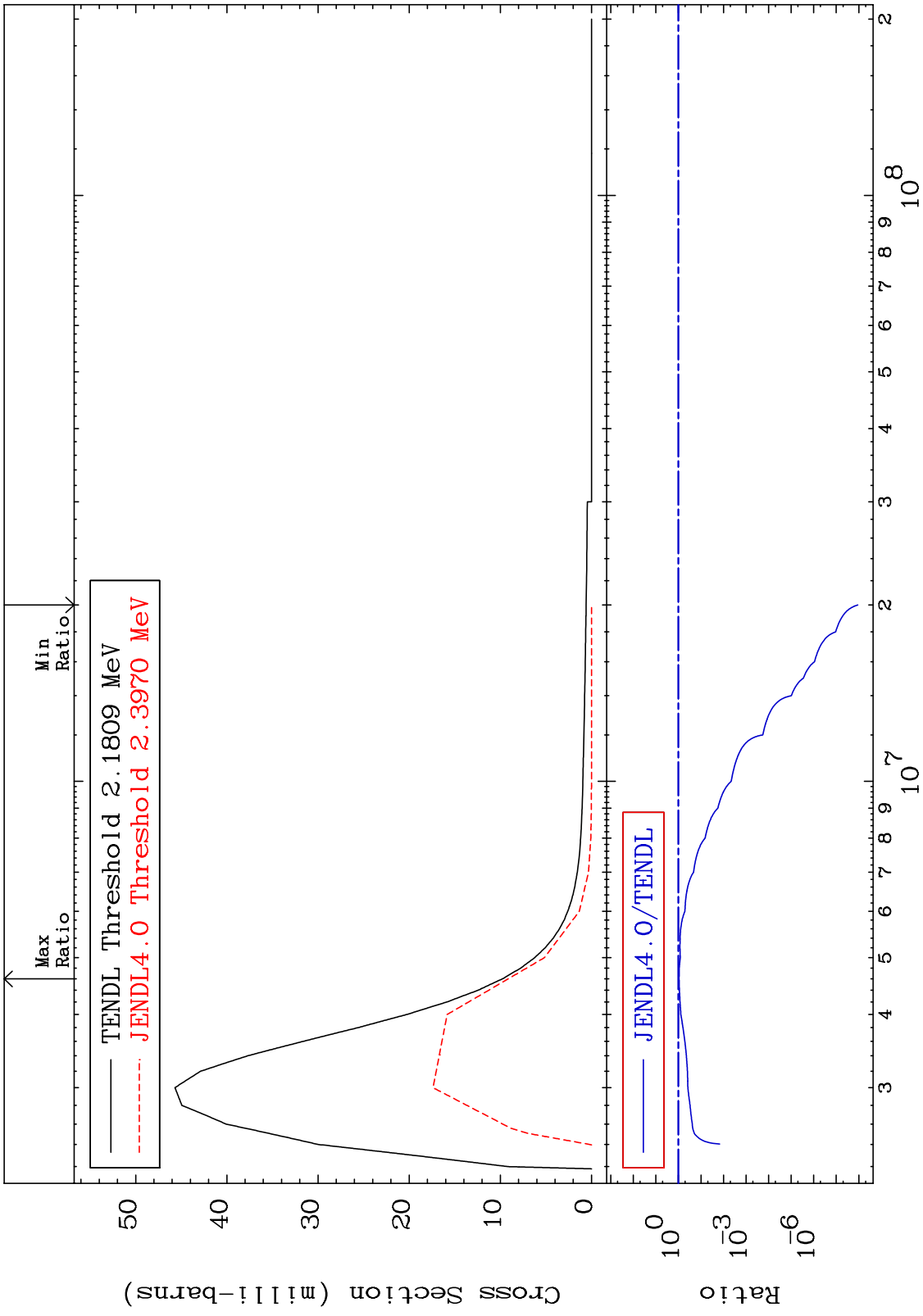
MAT 5637

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

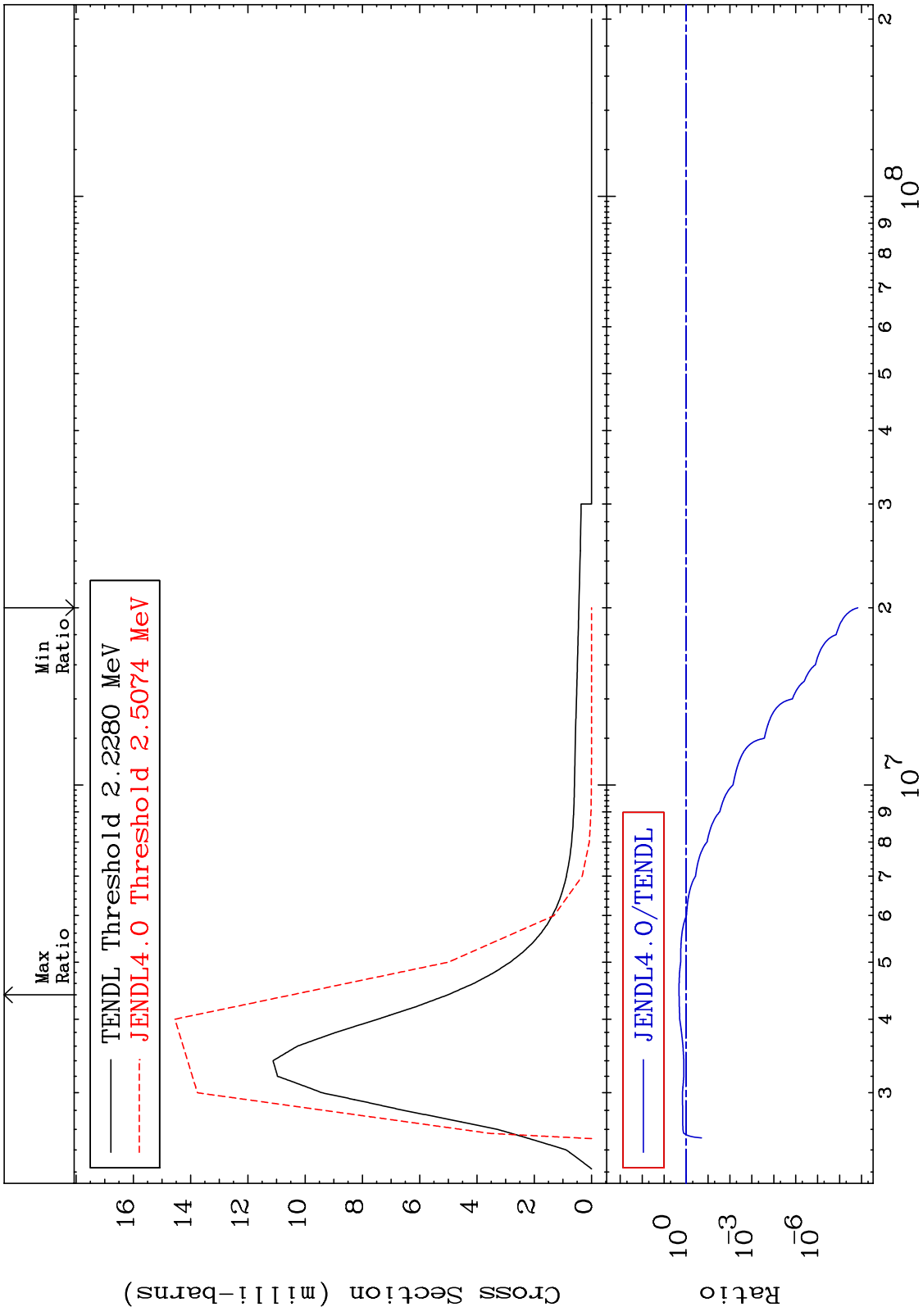
56-Ba-134
-97.44 To 425.2 %



MAT 5637 MT= 62 (n,n') Level Cross Section 56-Ba-134 -100.0 To -6.421%



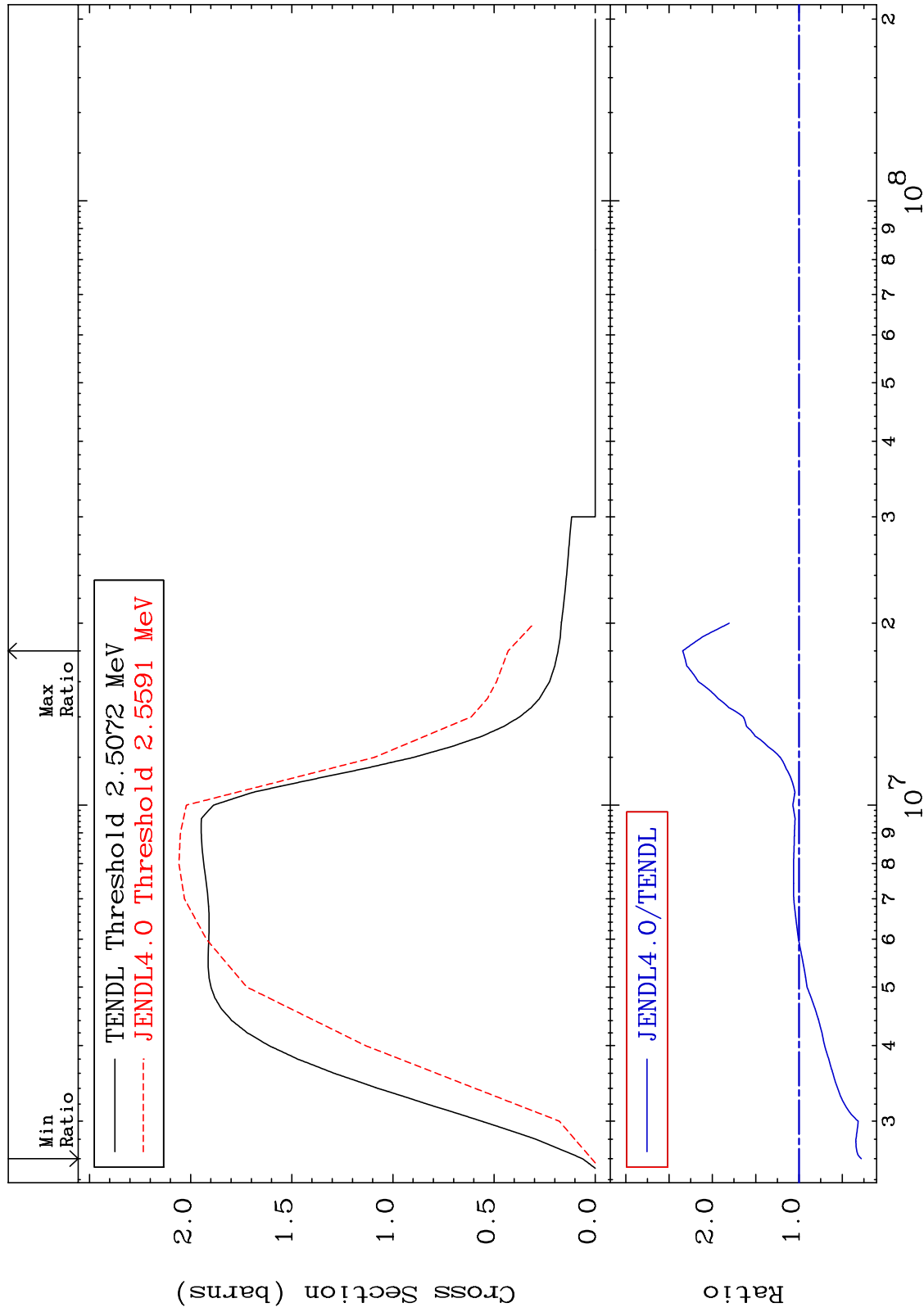
MAT 5637 MT= 63 (n,n') Level Cross Section 56-Ba-134 -100.0 To 108.8 %



MAT 5637

(n,n') Continuum
Cross Section

56-Ba-134
-72.01 To 134.3 %



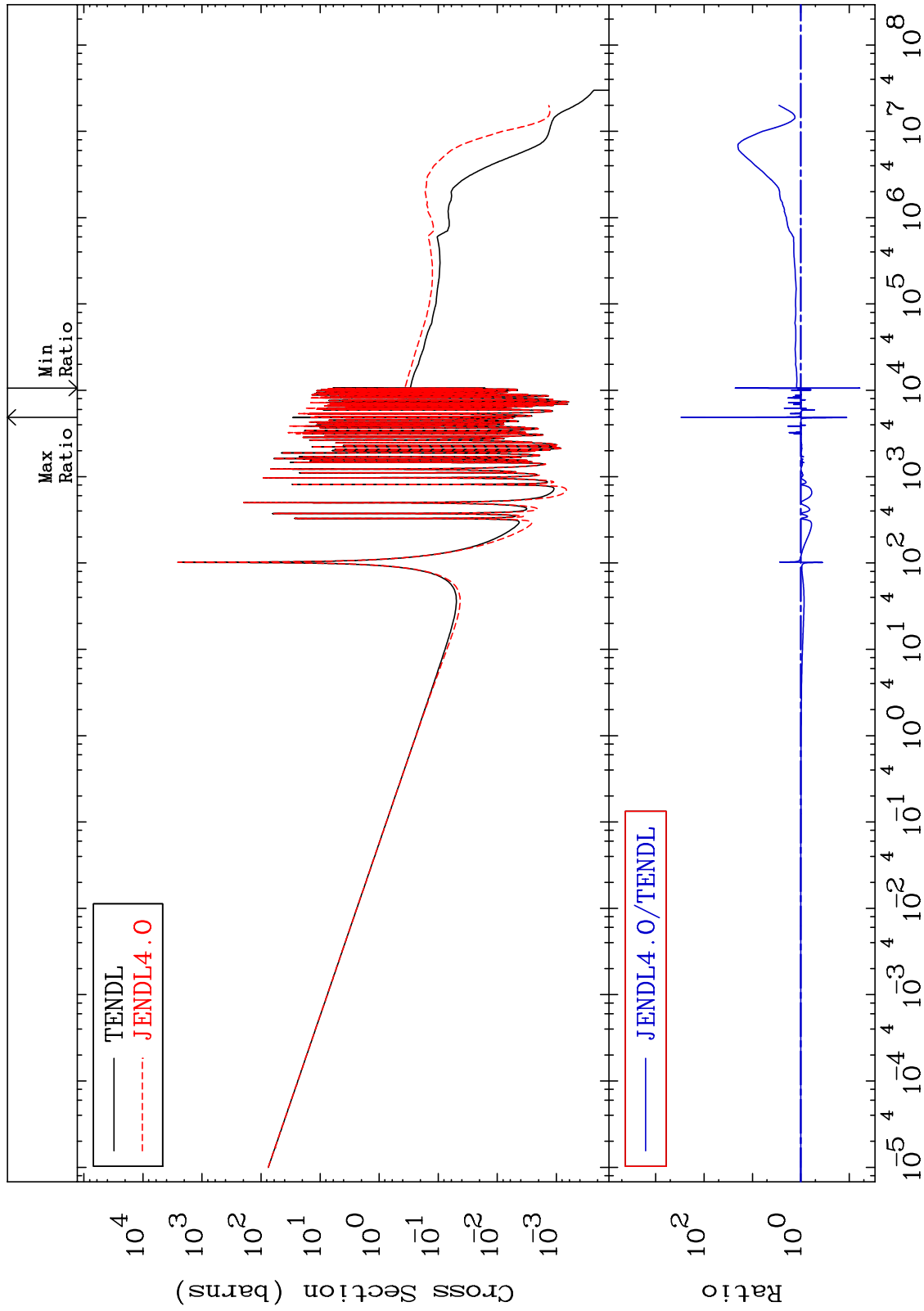
MAT 5637

(n, γ)

56-Ba-134

Cross Section

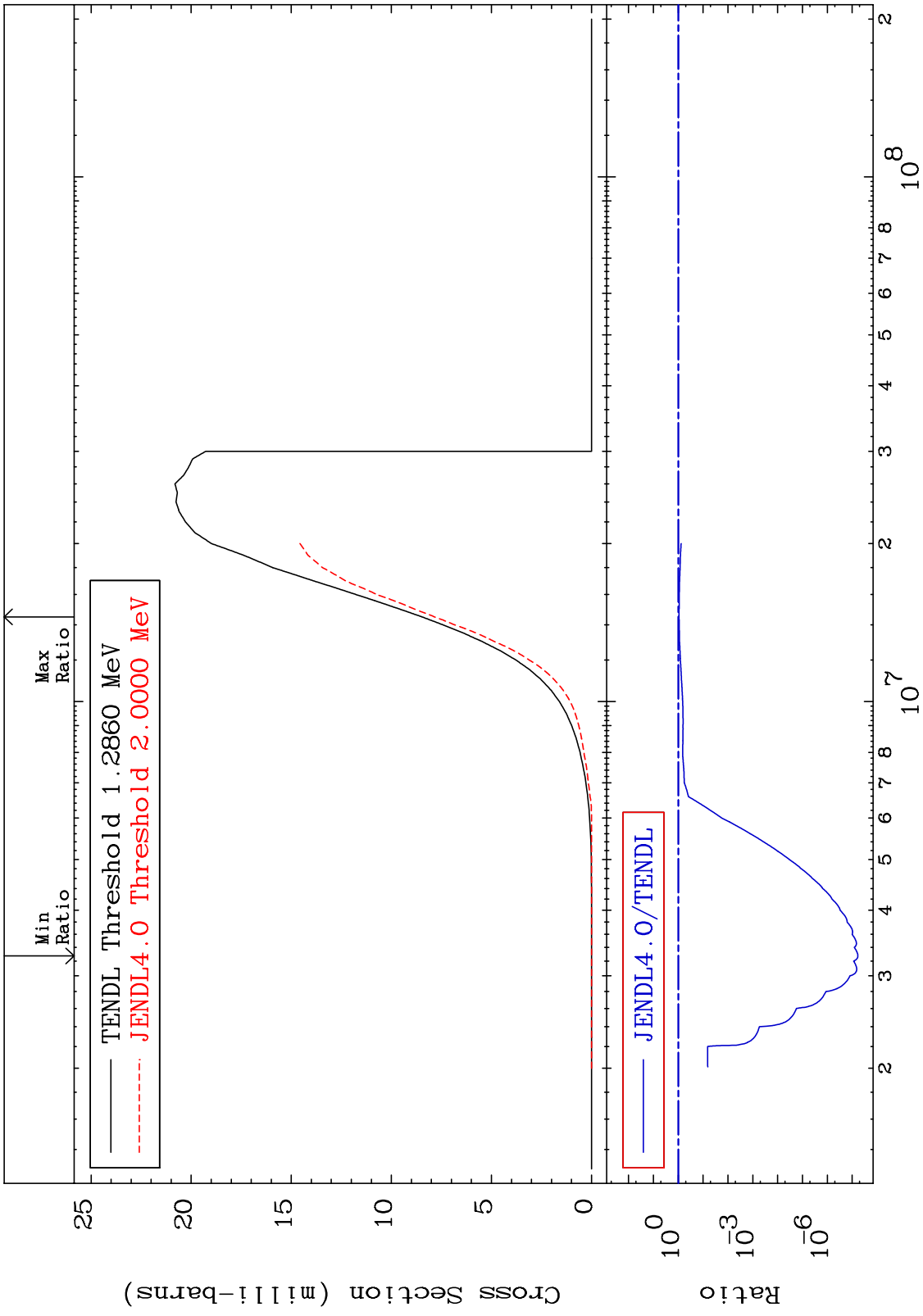
-93.91 To 9999. %



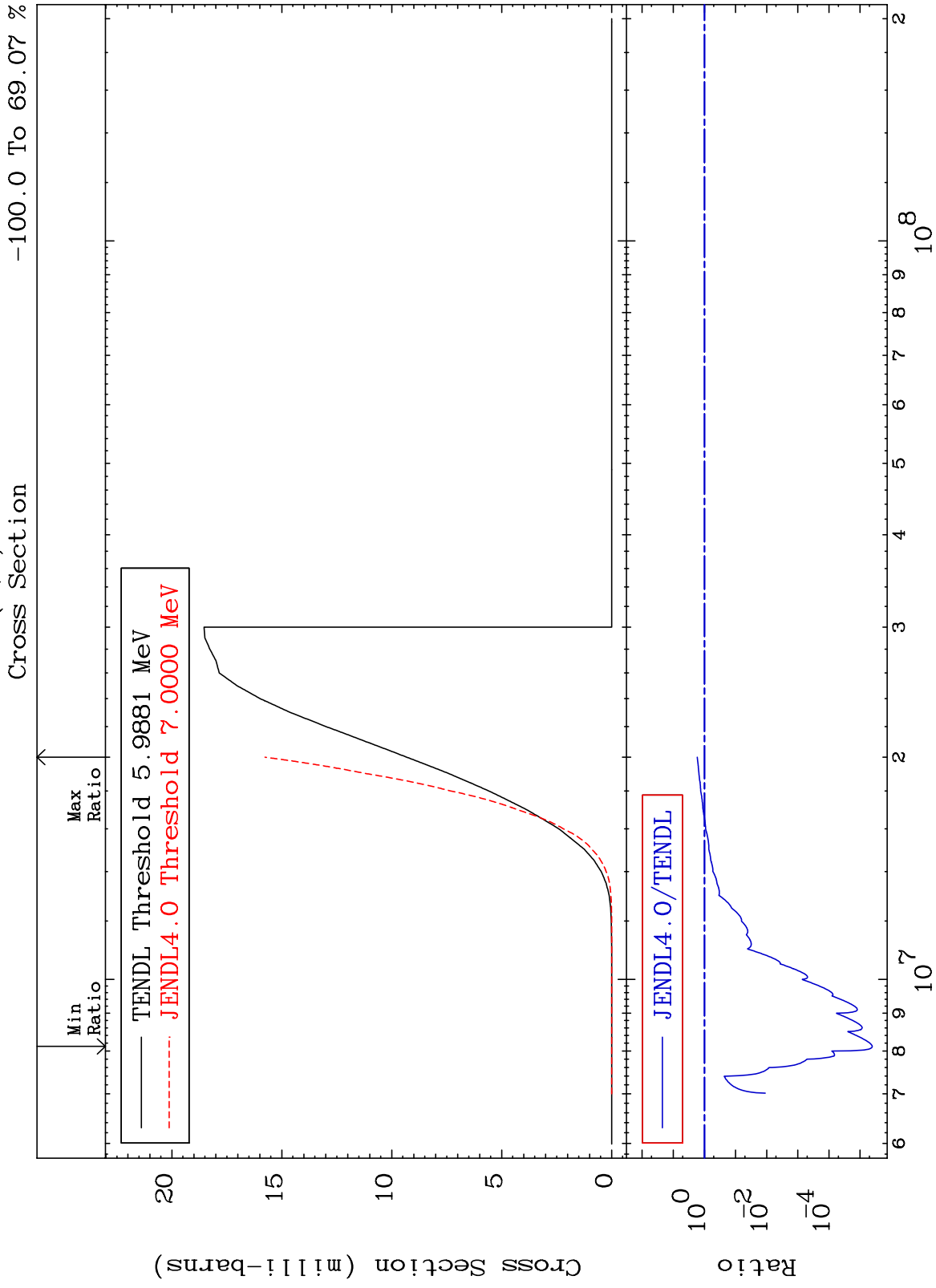
Max Ratio

Min Ratio

MAT 5637 (n,p) Cross Section 56-Ba-134 -100.0 To -7.378%

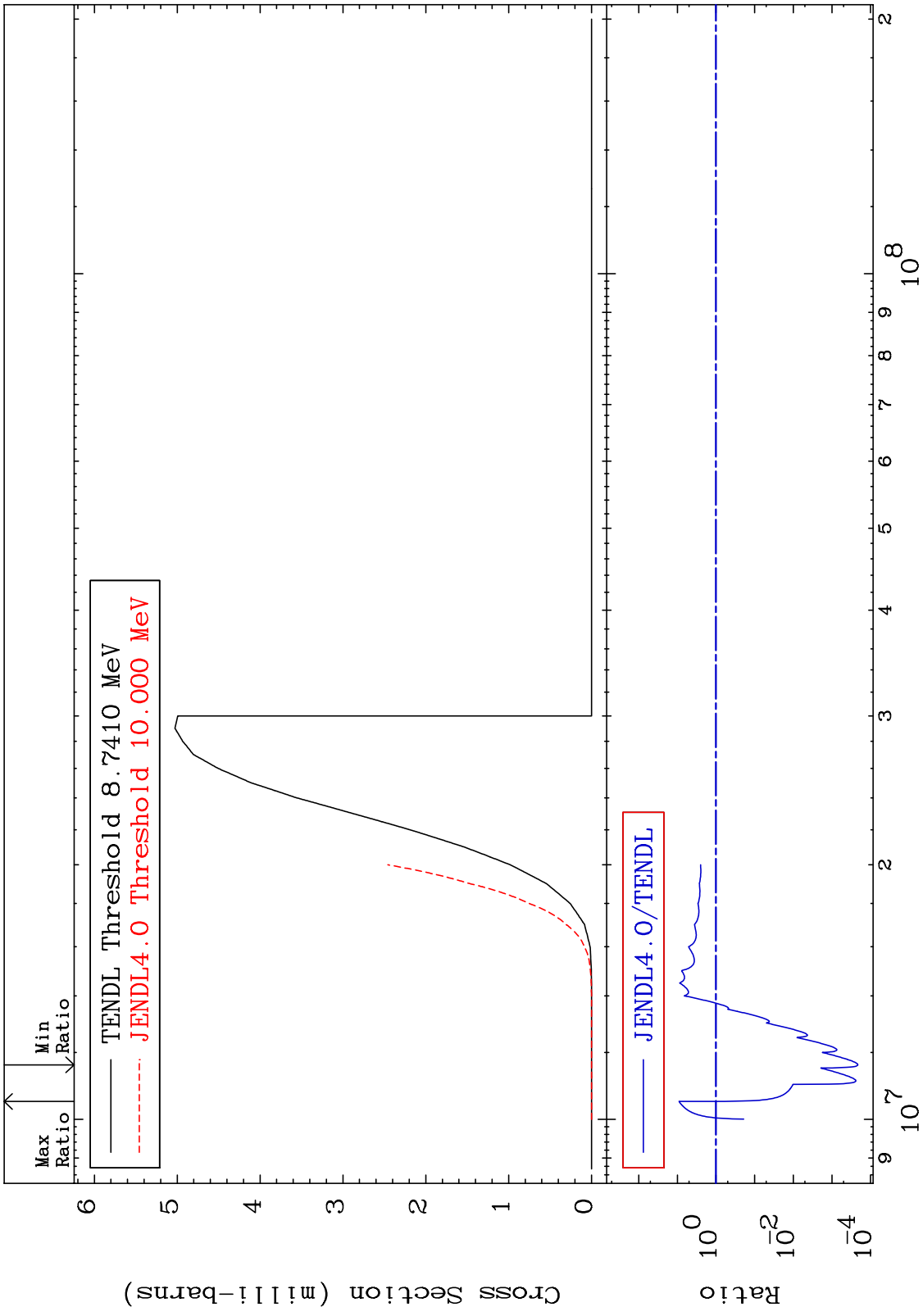


MAT 5637 (n,d) 56-Ba-134 -100.0 To 69.07 %



24 56-Ba-134

MAT 5637 (n,t) Cross Section 56-Ba-134 -99.98 To 804.5 %



25 Incident Energy (eV) 56-Ba-134

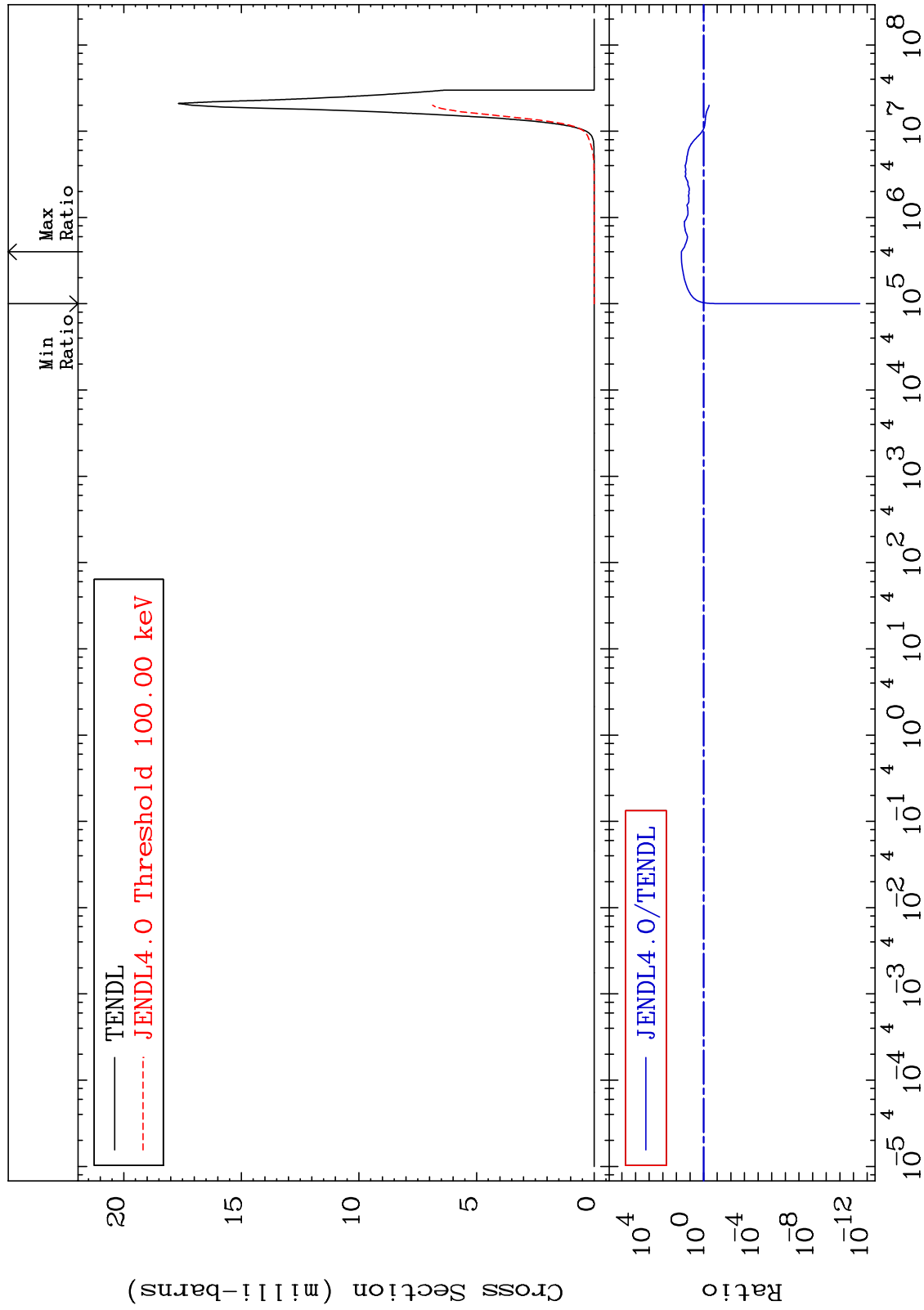
MAT 5637

(n, α)

56-Ba-134

Cross Section

-100.0 To 4149. %



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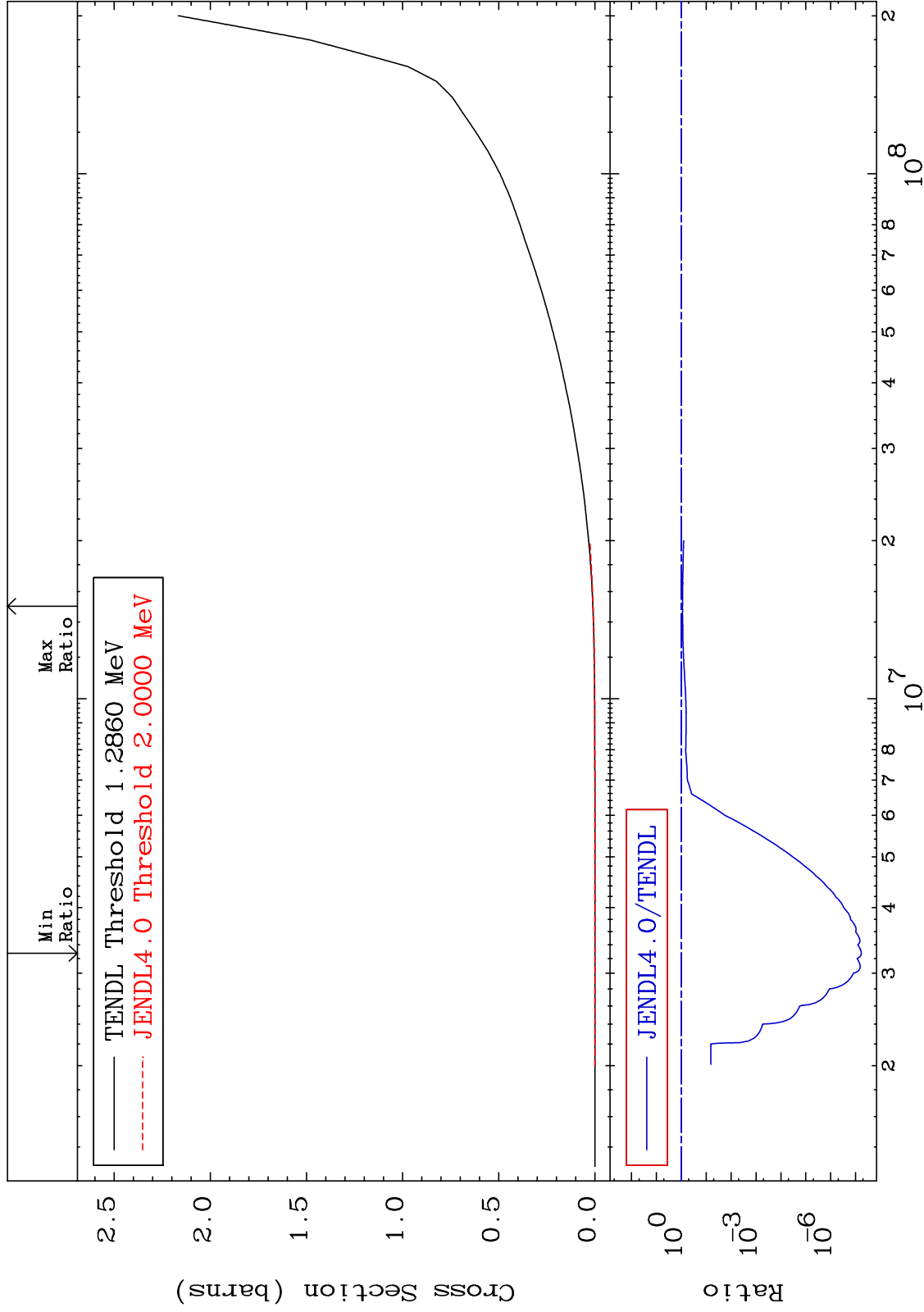
Incident Energy (eV)

56-Ba-134

MAT 5637

Hydrogen Production
Cross Section

56-Ba-134
-100.0 To -10.08%



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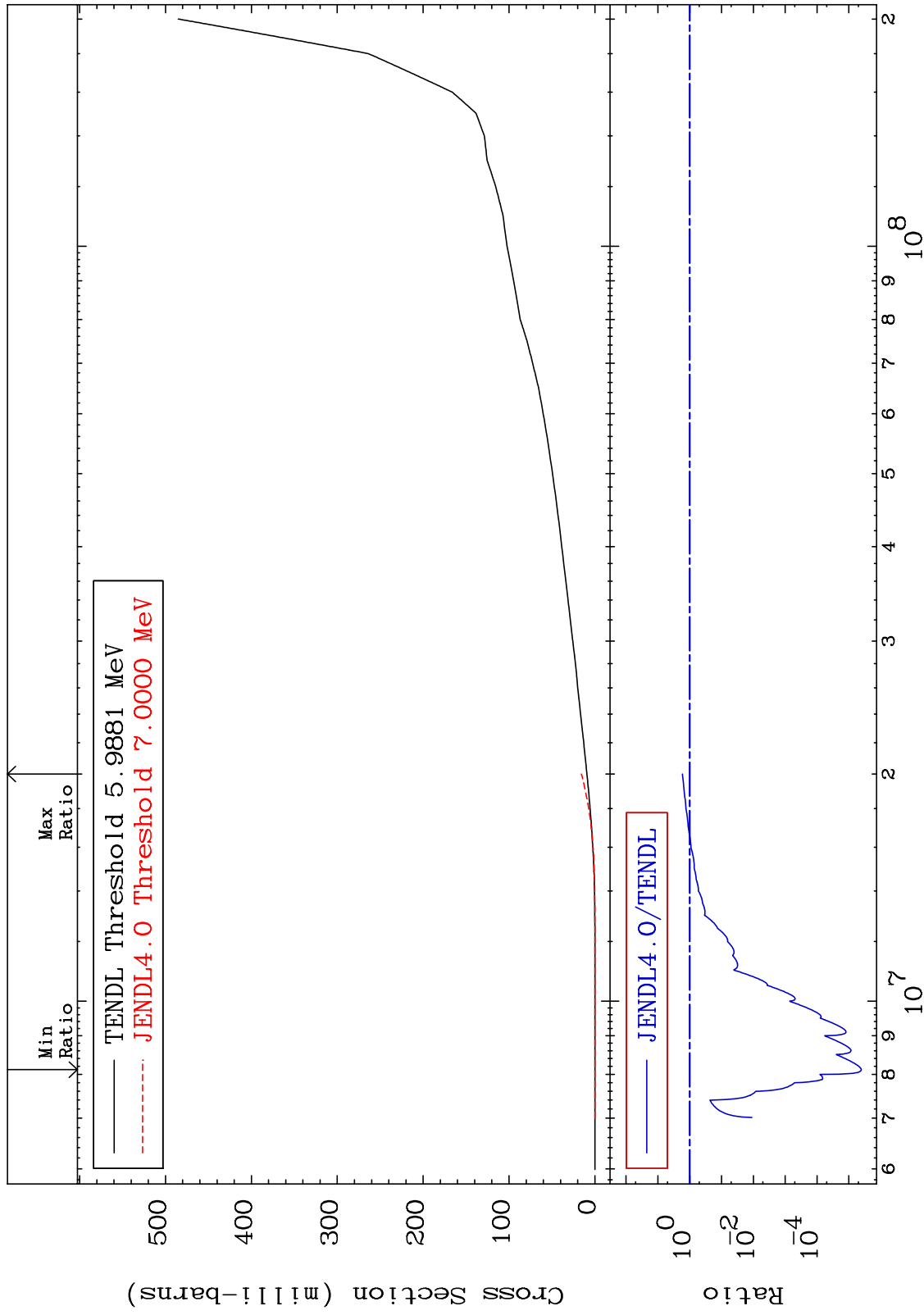
Incident Energy (eV)

56-Ba-134

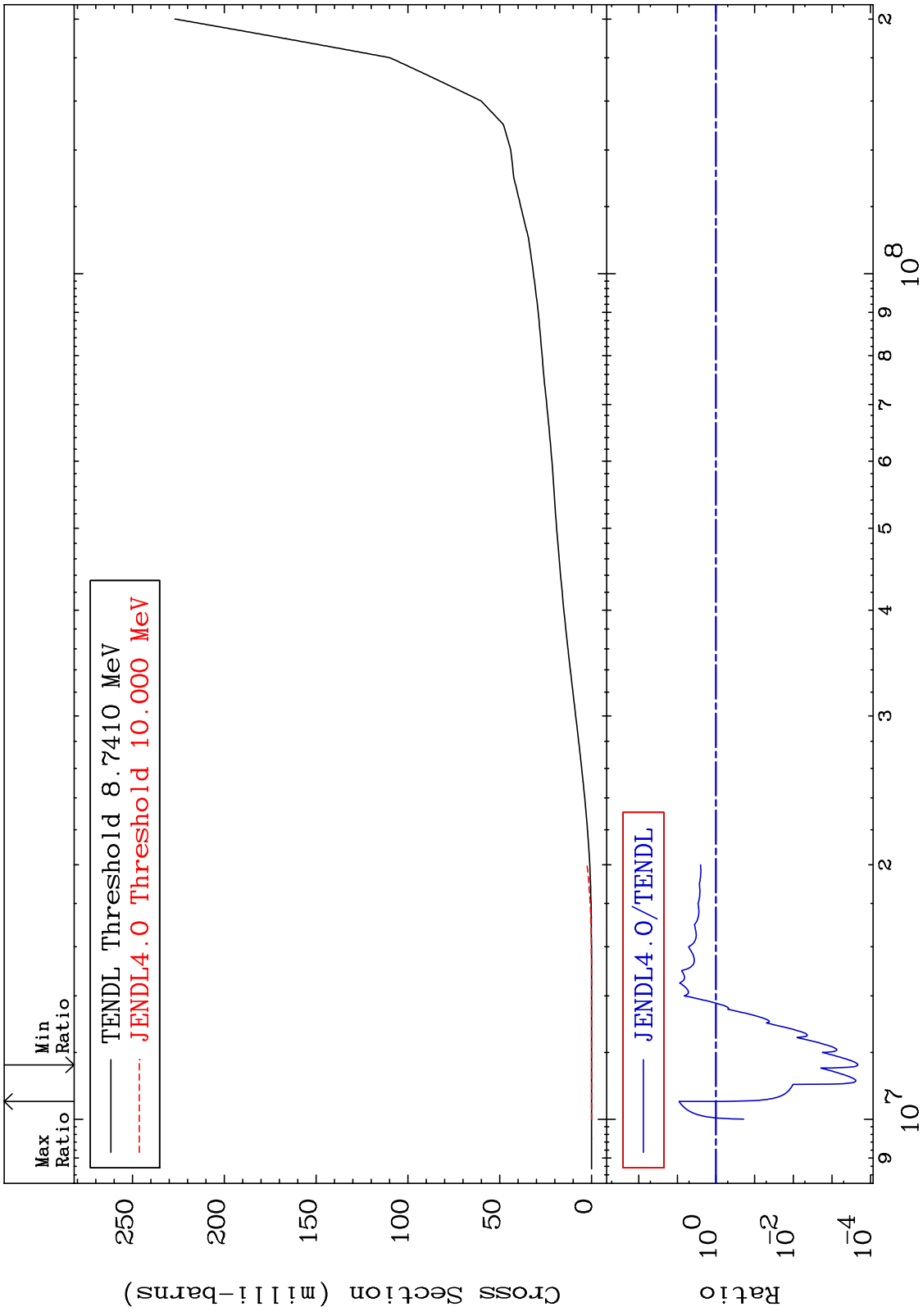
MAT 5637

Deuterium Production
Cross Section

56-Ba-134
-100.0 To 69.05 %



MAT 5637 Tritium Production Cross Section 56-Ba-134 -99.98 To 804.5 %

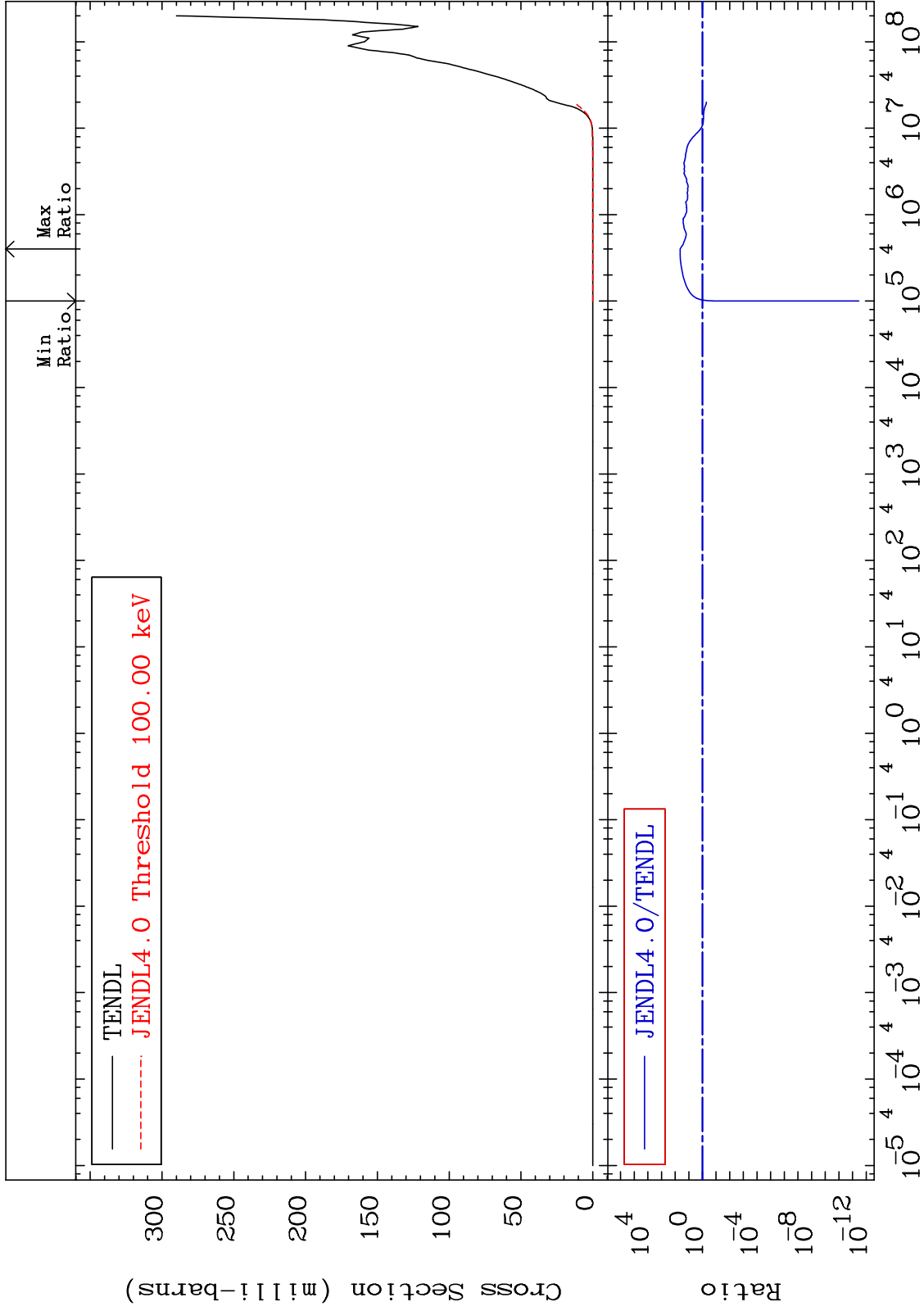


29 56-Ba-134 Incident Energy (eV)

MAT 5637

He-4 Production
Cross Section

56-Ba-134
-100.0 To 4149. %

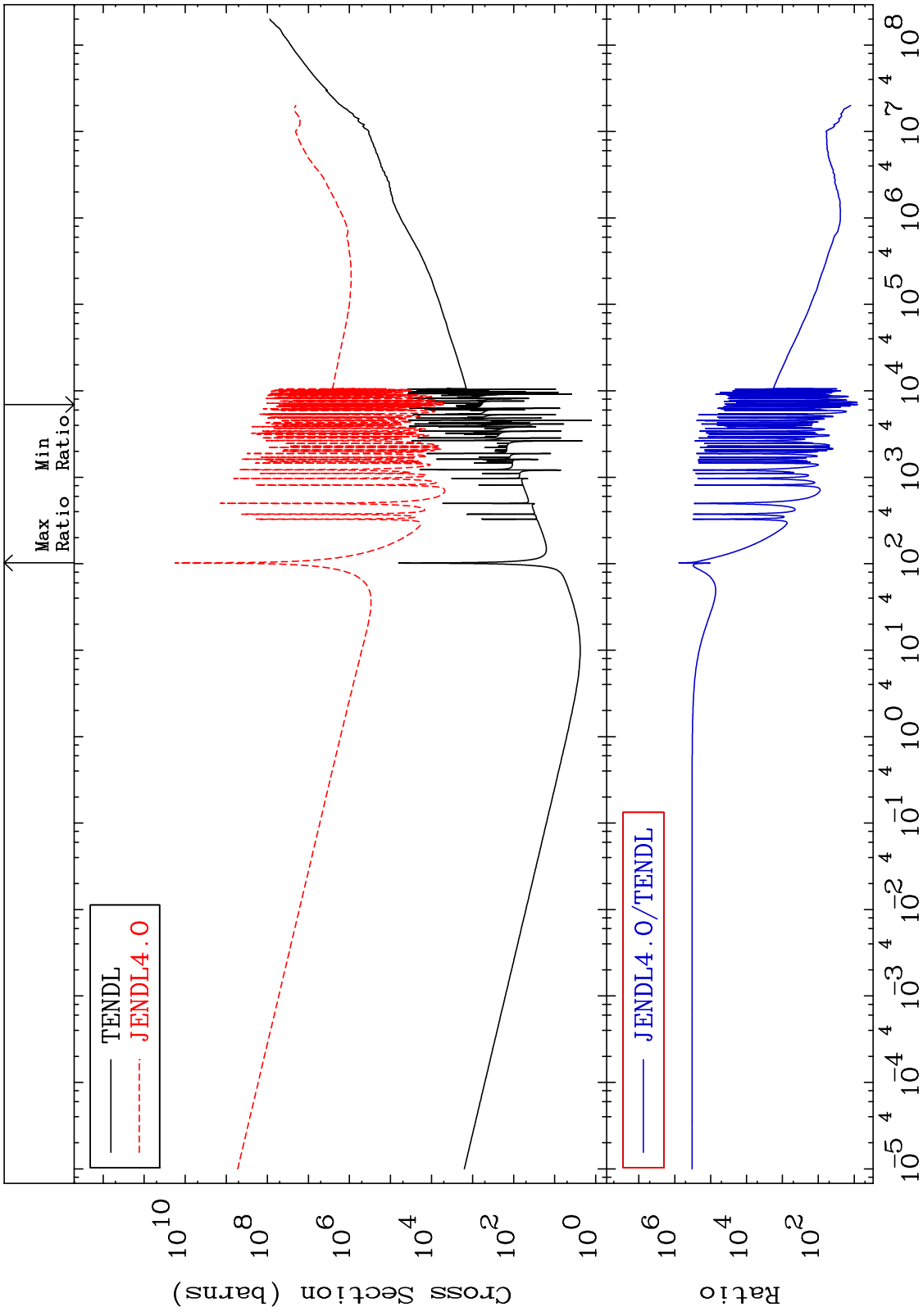


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Incident Energy (eV)

56-Ba-134

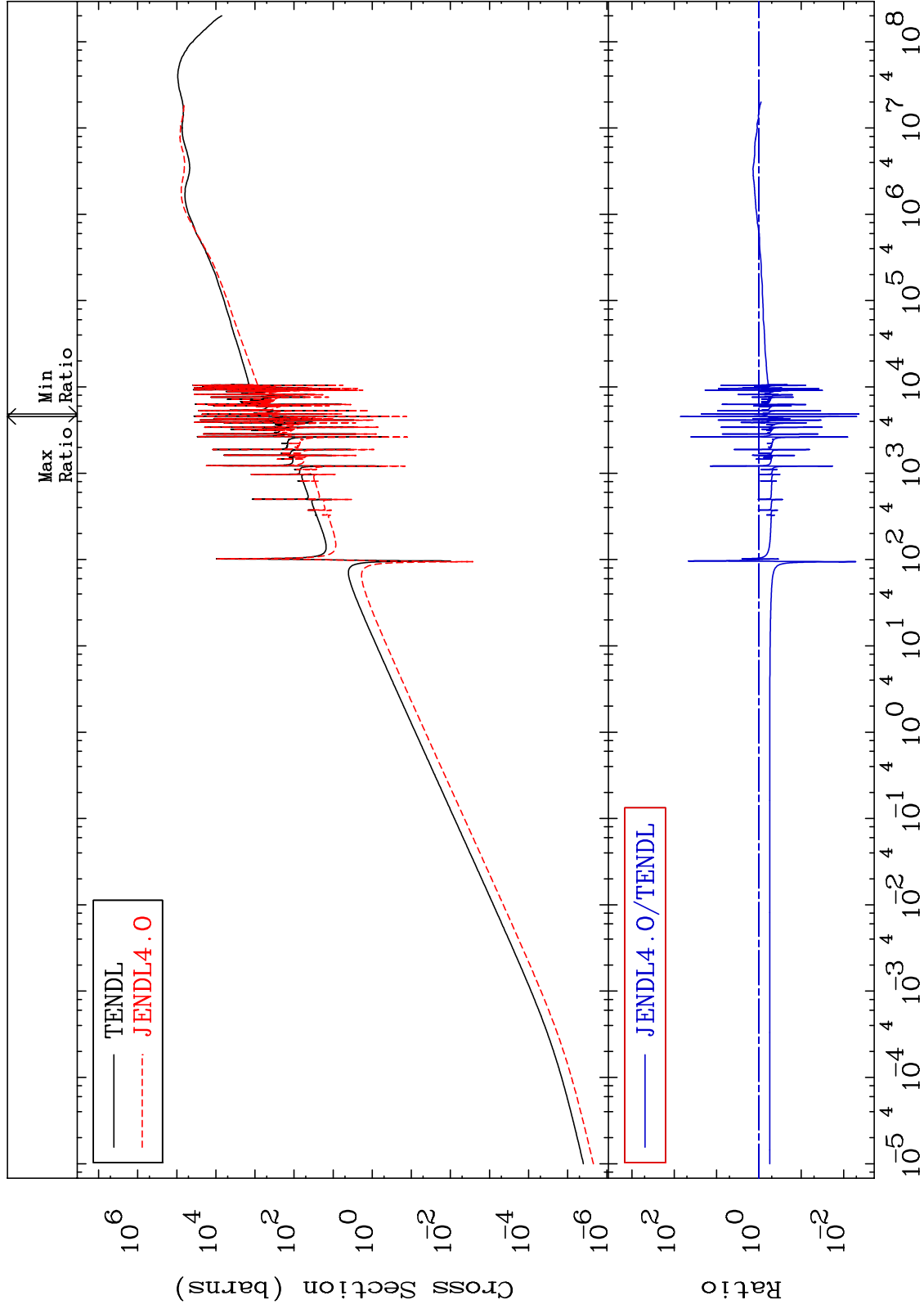
MAT 5637 Kerma total (eV-barns) 56-Ba-134 692.3 To 9999. %
 Cross Section



MAT 5637

Kerma elastic
Cross Section

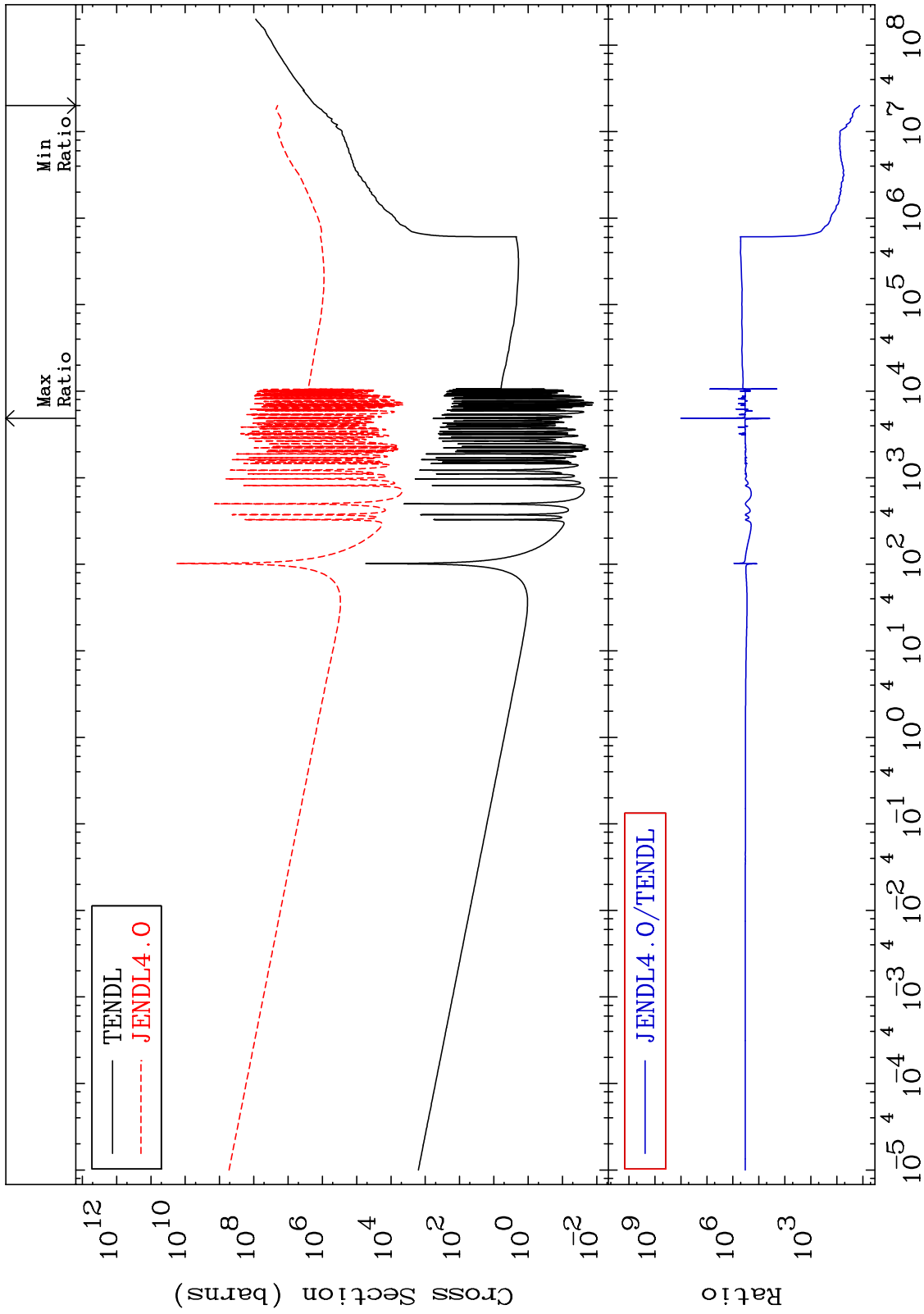
56-Ba-134
-99.57 To 6954. %



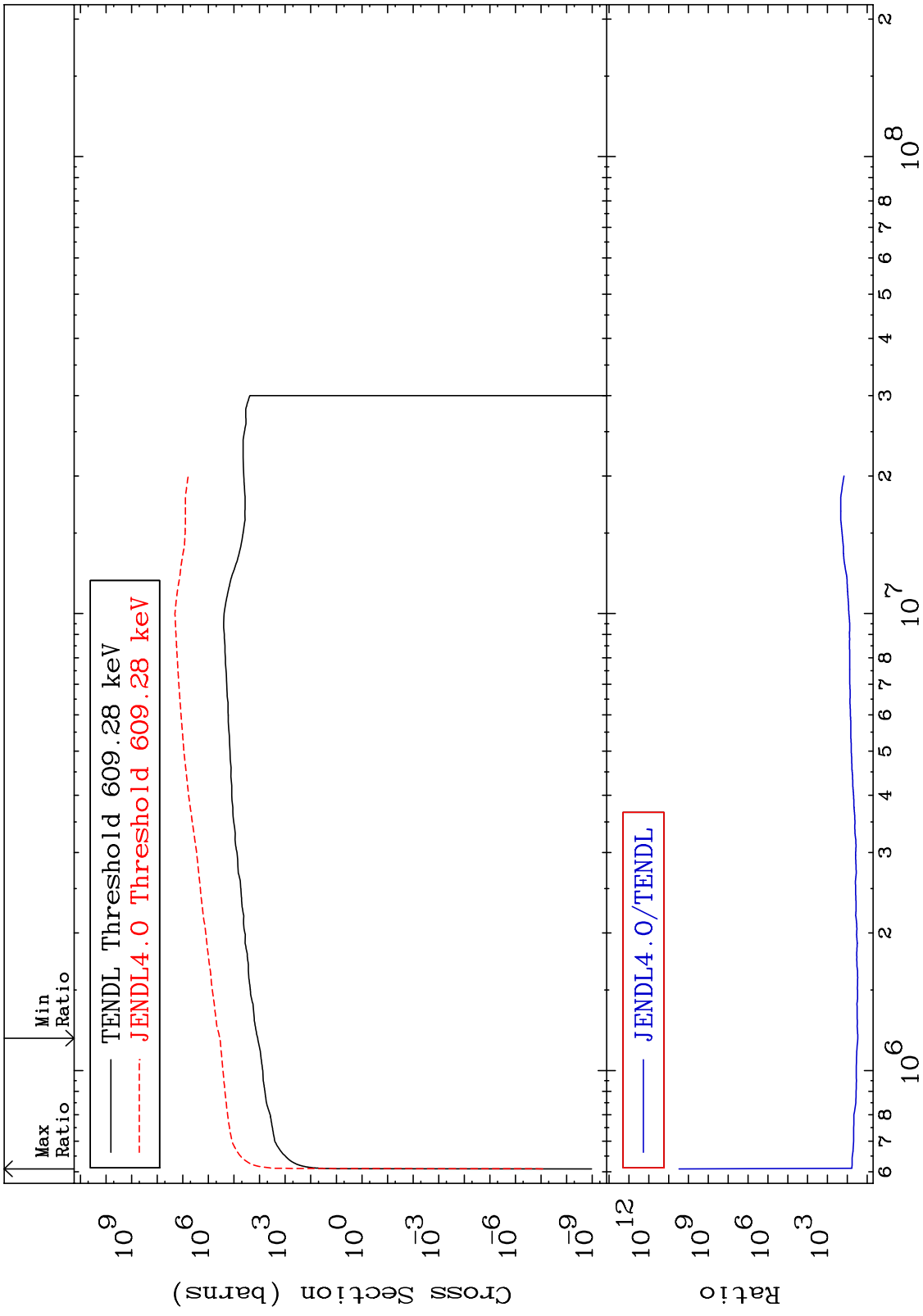
MAT 5637

Kerma non-elastic (all but mt2)
Cross Section

56-Ba-134
1223. To 9999. %

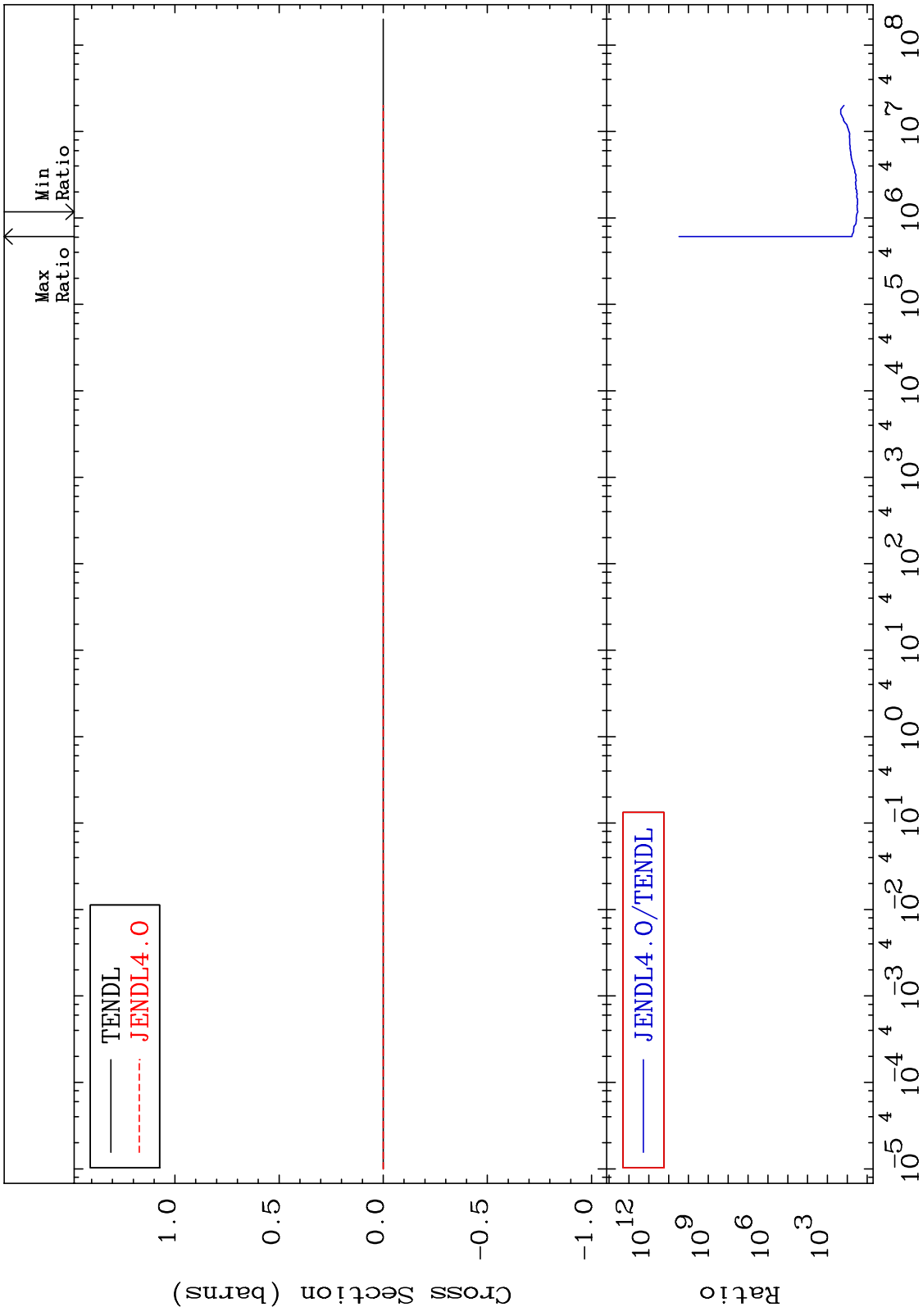


MAT 5637 Kerma inelastic (mt51-91) 56-Ba-134
 Cross Section 2852. To 9999. %



34 56-Ba-134 Incident Energy (eV)

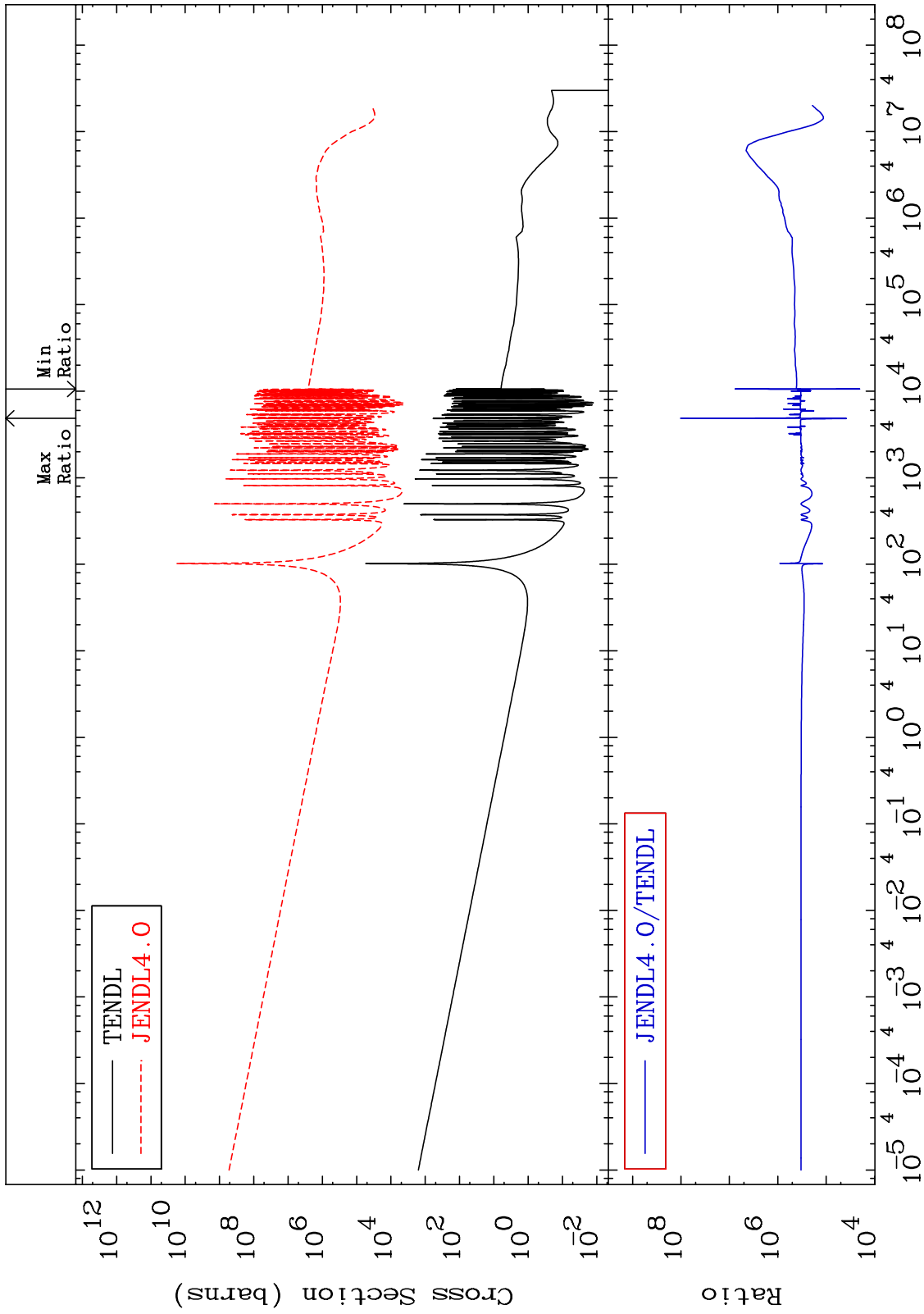
MAT 5637 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-134
 Cross Section 2852. To 9999. %



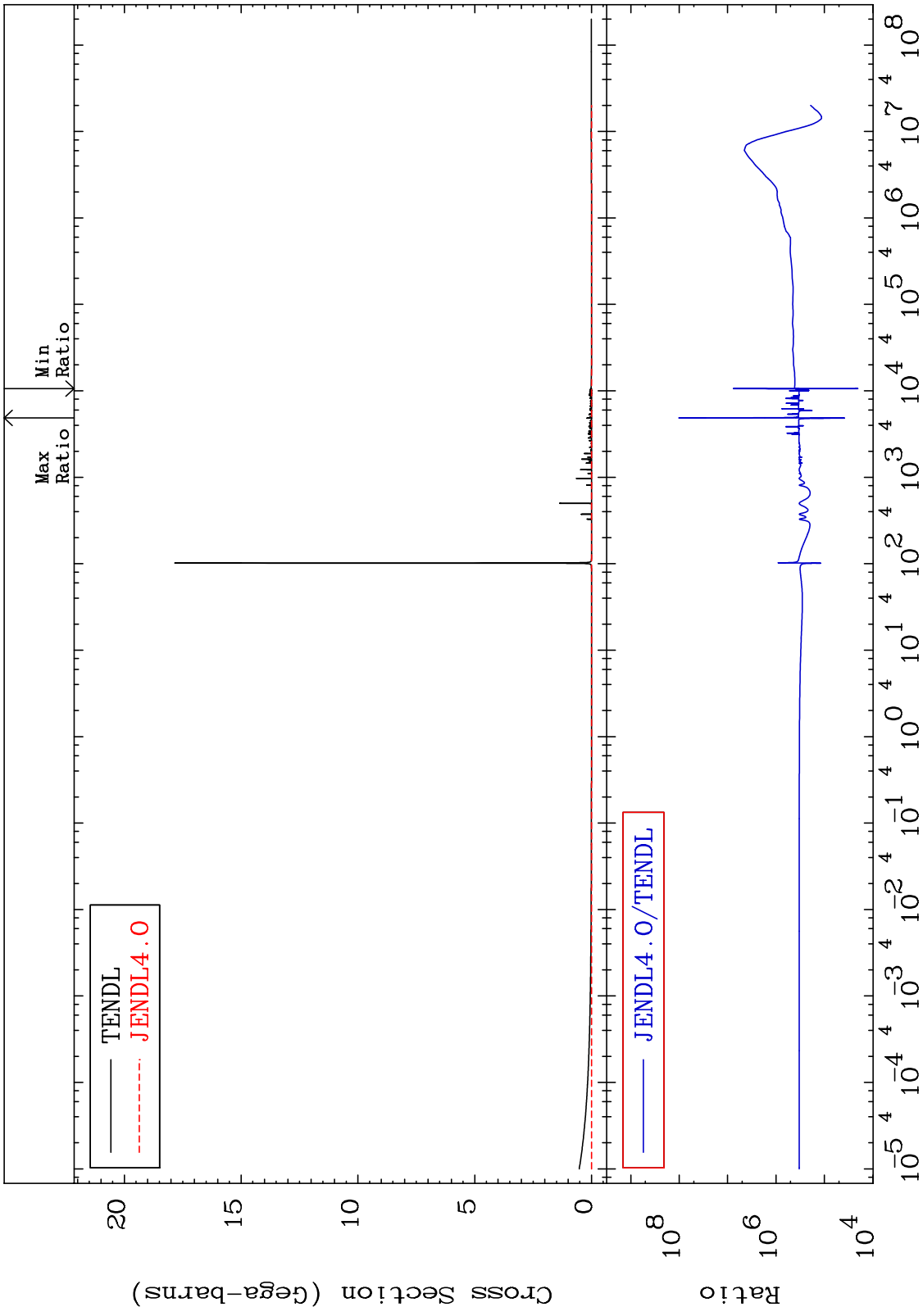
MAT 5637

Kerma capture (mt102)
Cross Section

56-Ba-134
9999. To 9999. %

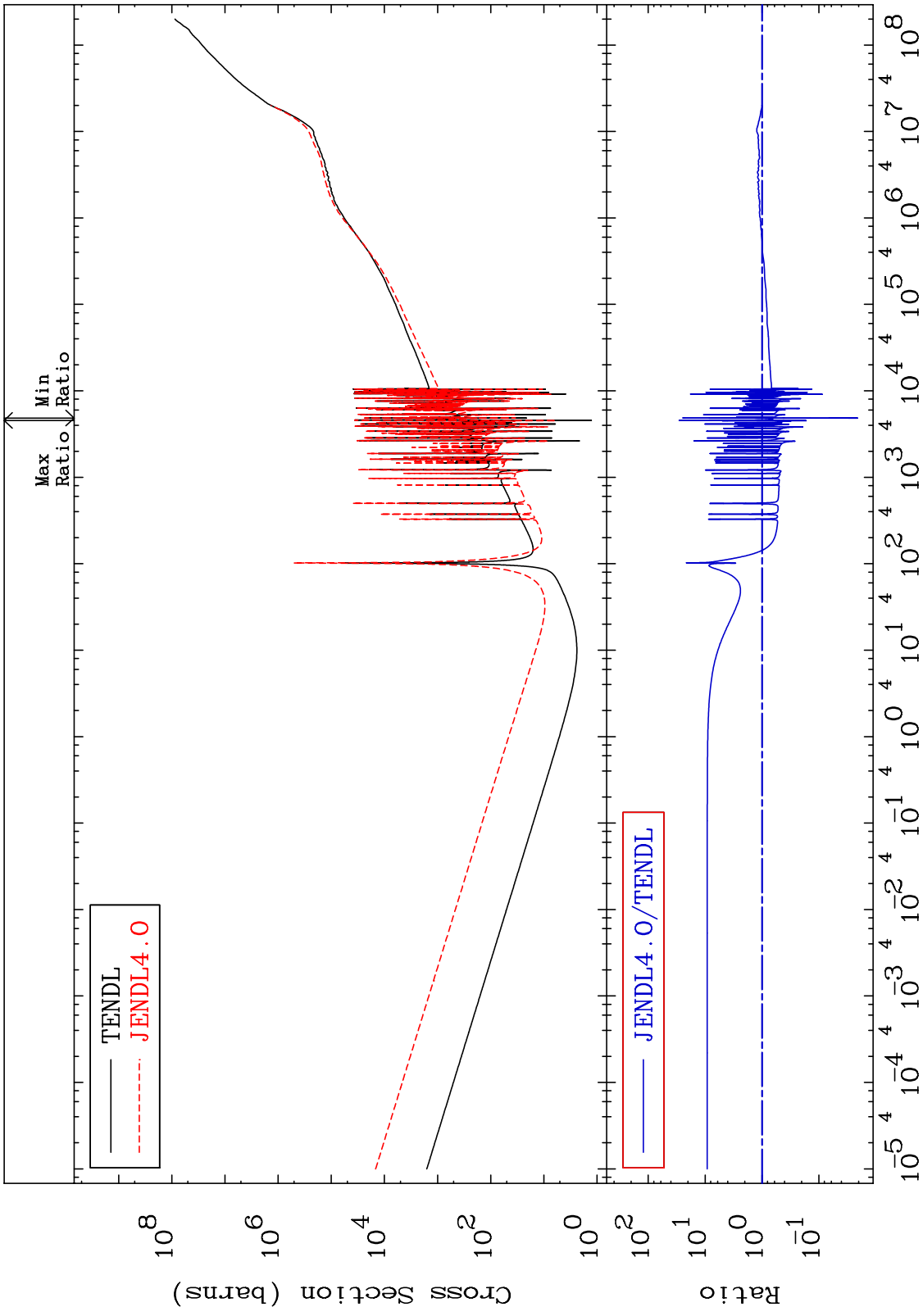


MAT 5637 Total photon (eV-barns) 56-Ba-134
Cross Section 9999. To 9999. %



37 56-Ba-134

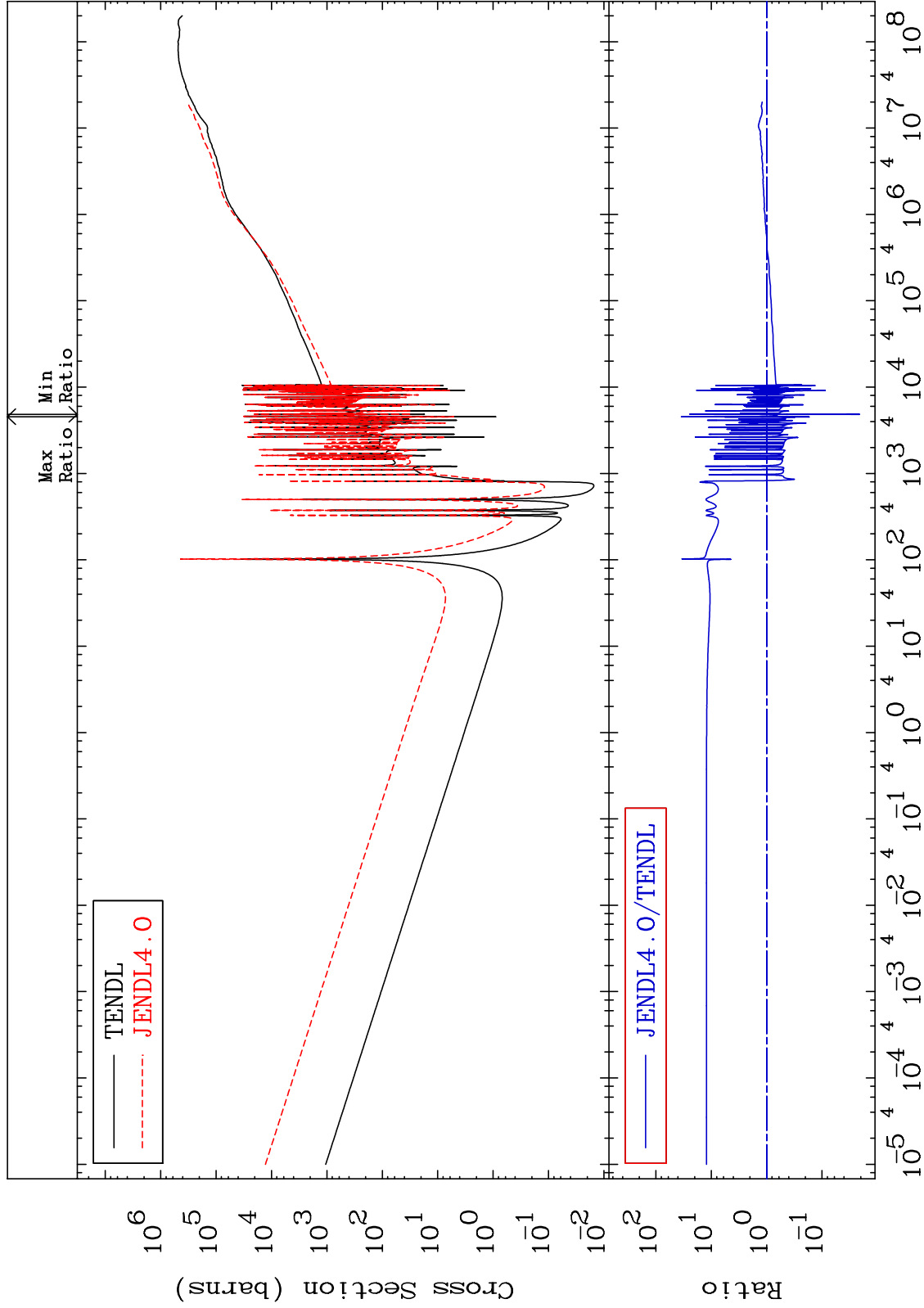
MAT 5637 Total kinematic kerma (high limit) 56-Ba-134
Cross Section -97.94 To 2773. %



MAT 5637

Dpa total (eV-barns)
Cross Section

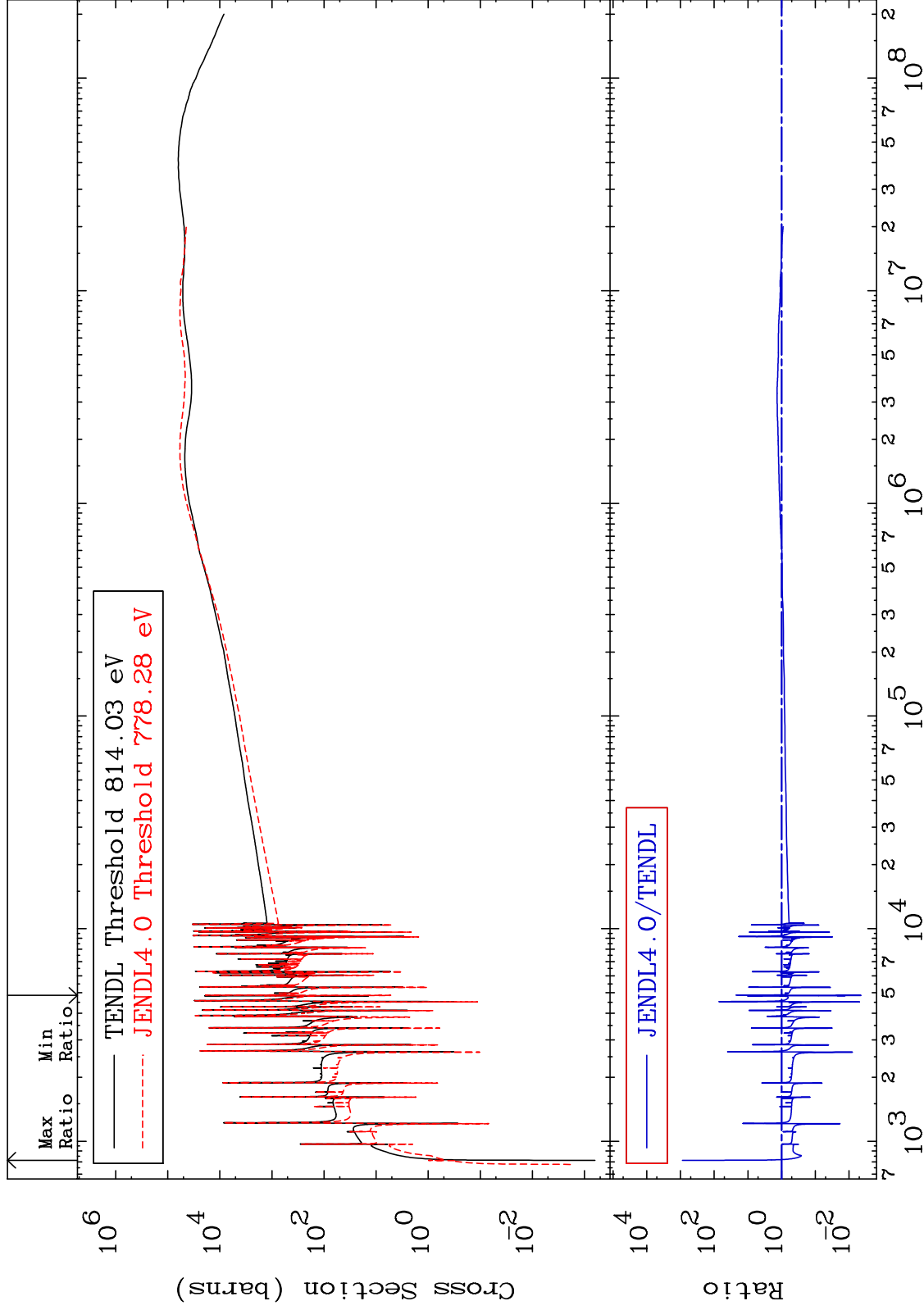
56-Ba-134
-97.92 To 3391. %



MAT 5637

Dpa elastic (mt2)
Cross Section

56-Ba-134
-99.57 To 9999. %

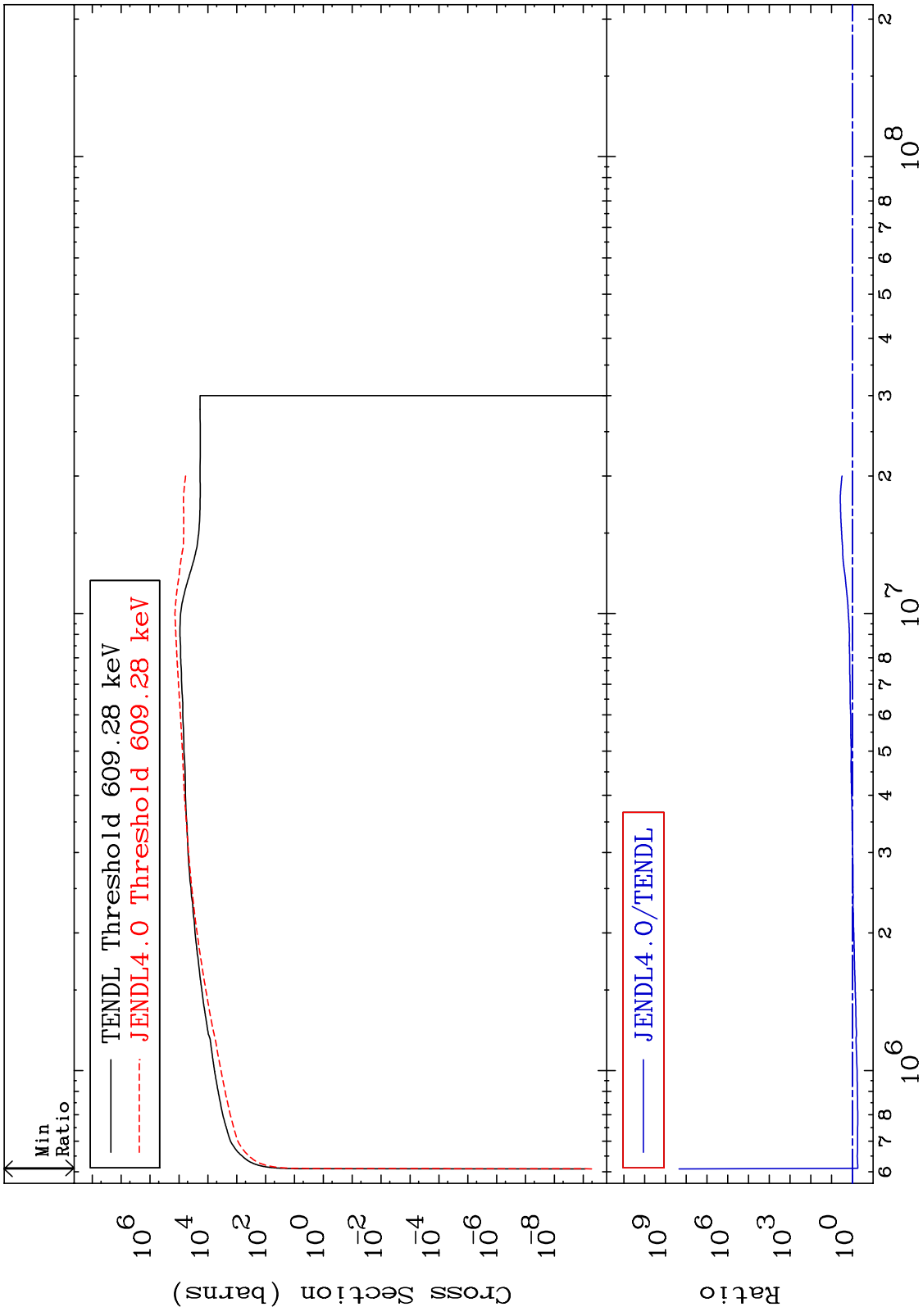


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Incident Energy (eV)

56-Ba-134

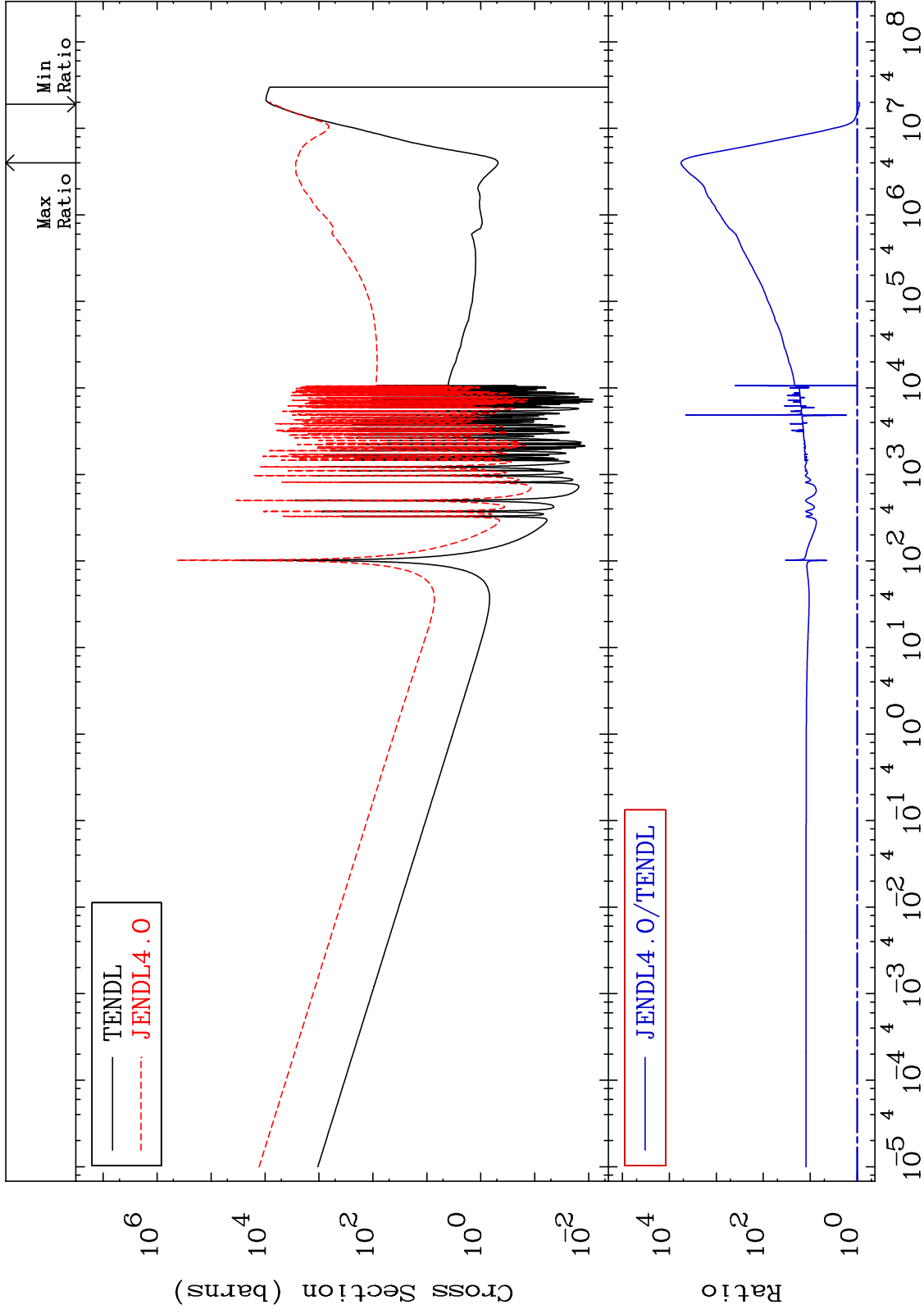
MAT 5637 Dpa inelastic (mt51-91) 56-Ba-134
 Cross Section -45.54 To 9999. %



MAT 5637

Dpa disappearance (mt102 -120)
Cross Section

56-Ba-134
-11.10 To 9999. %



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Incident Energy (eV)

56-Ba-134