

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

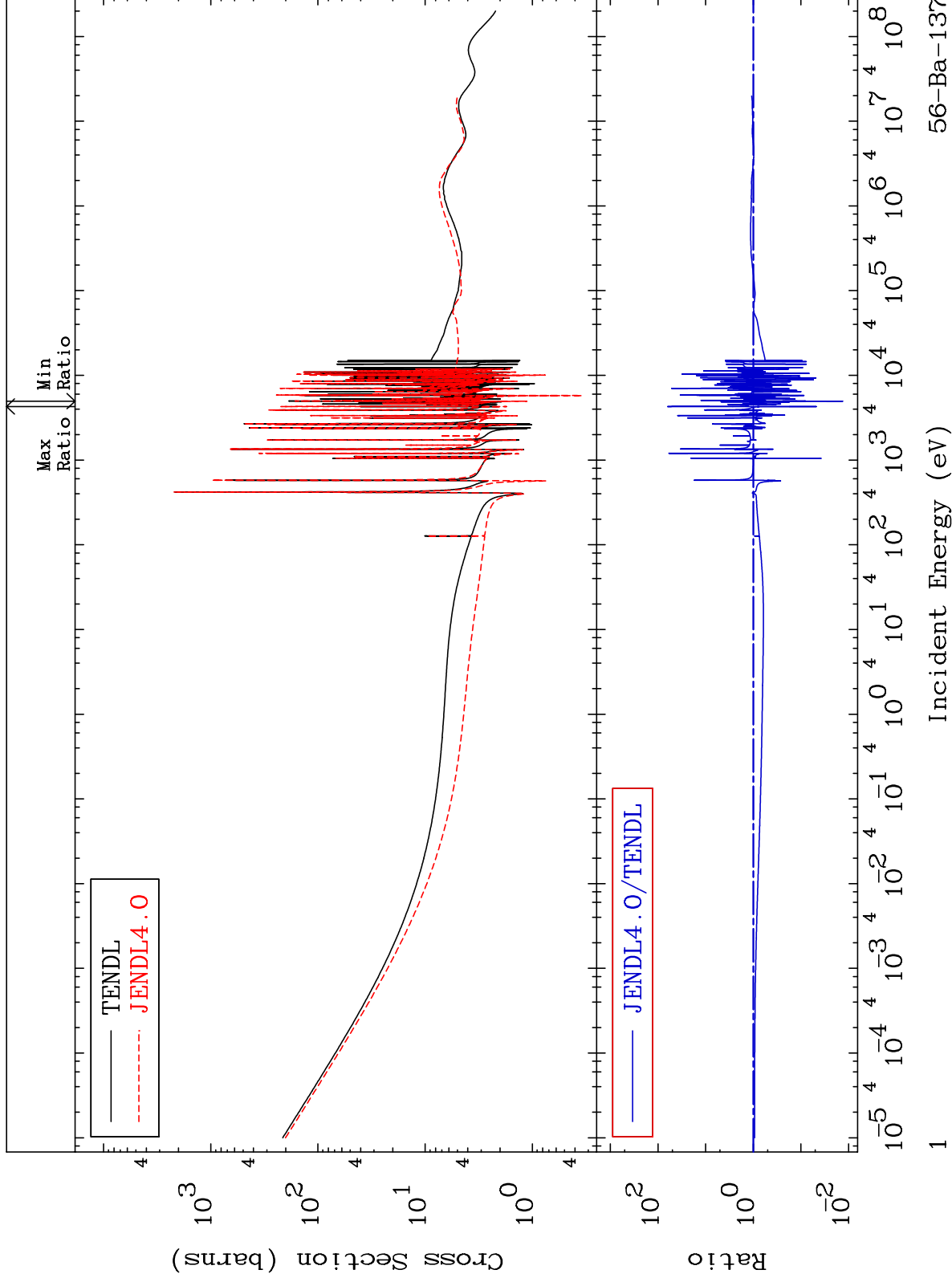
MAT 5646

Total

56-Ba-137

Cross Section

-98.67 To 6220. %

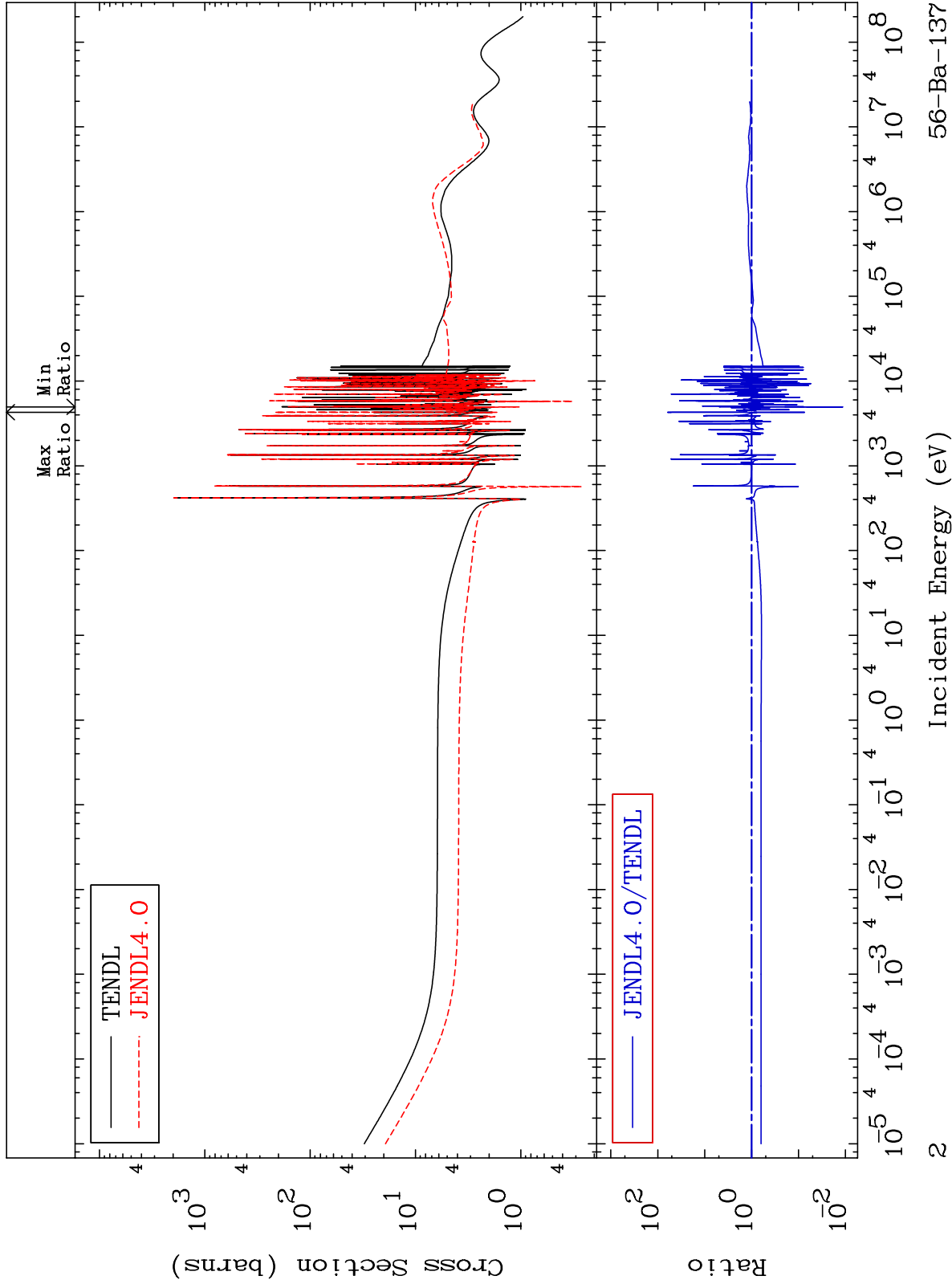


56-Ba-137

MAT 5646

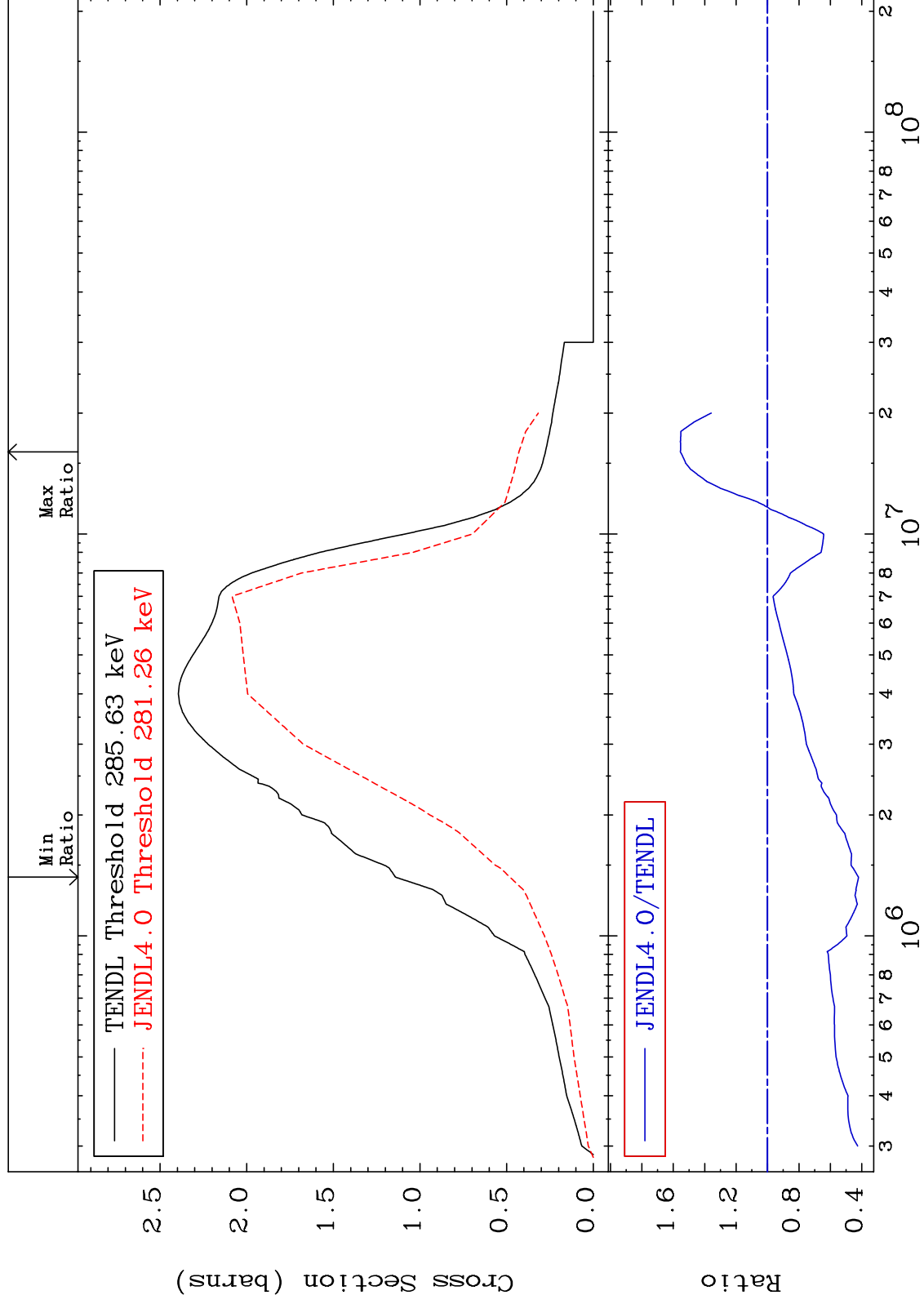
Elastic
Cross Section

56-Ba-137
-98.86 To 6081. %



MAT 5646

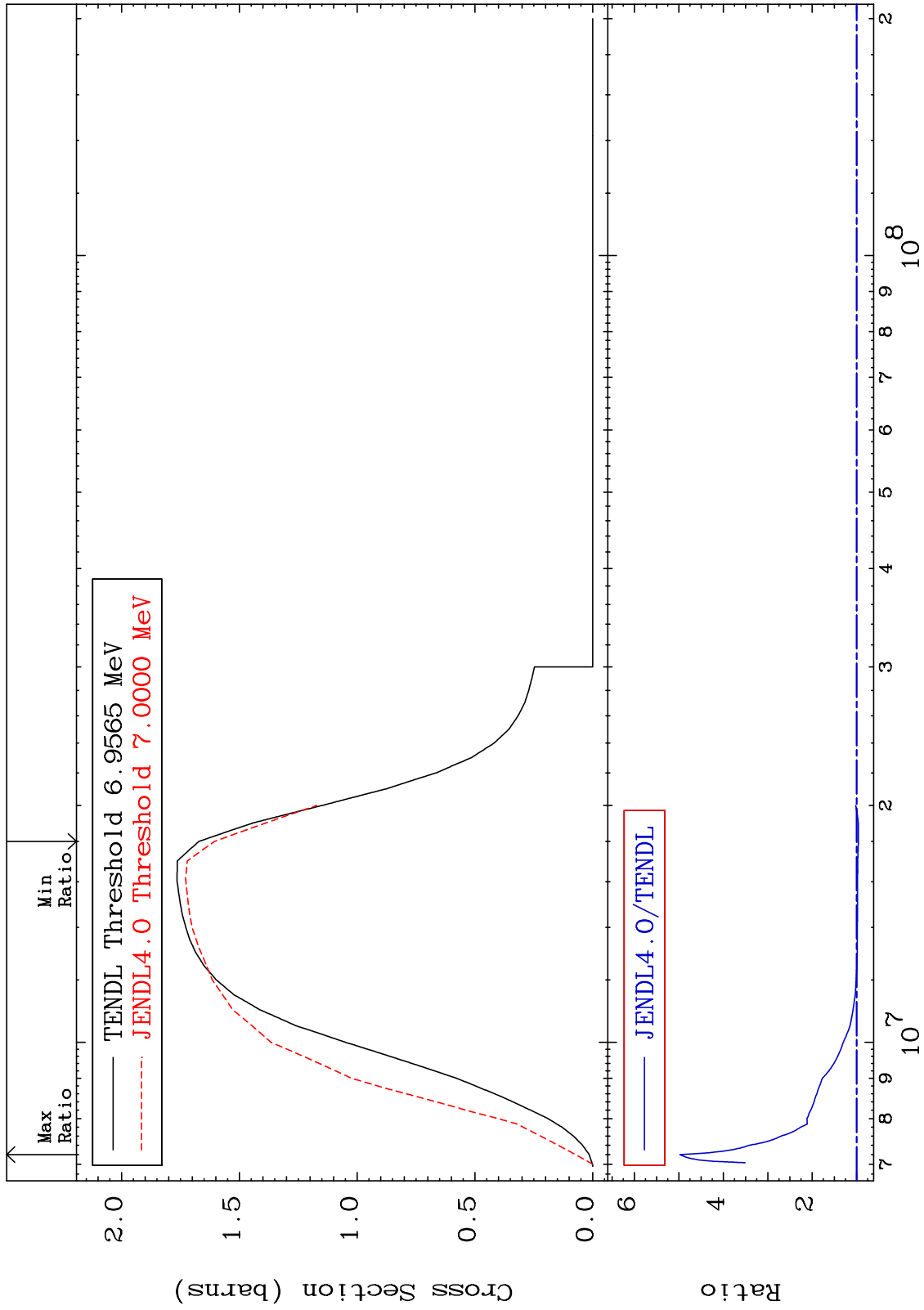
Inelastic Cross Section
56-Ba-137
-57.91 To 55.44 %



56-Ba-137

Incident Energy (eV)

MAT 5646 (n,2n) Cross Section 56-Ba-137 -3.975 To 397.4 %



4 56-Ba-137 Incident Energy (eV)

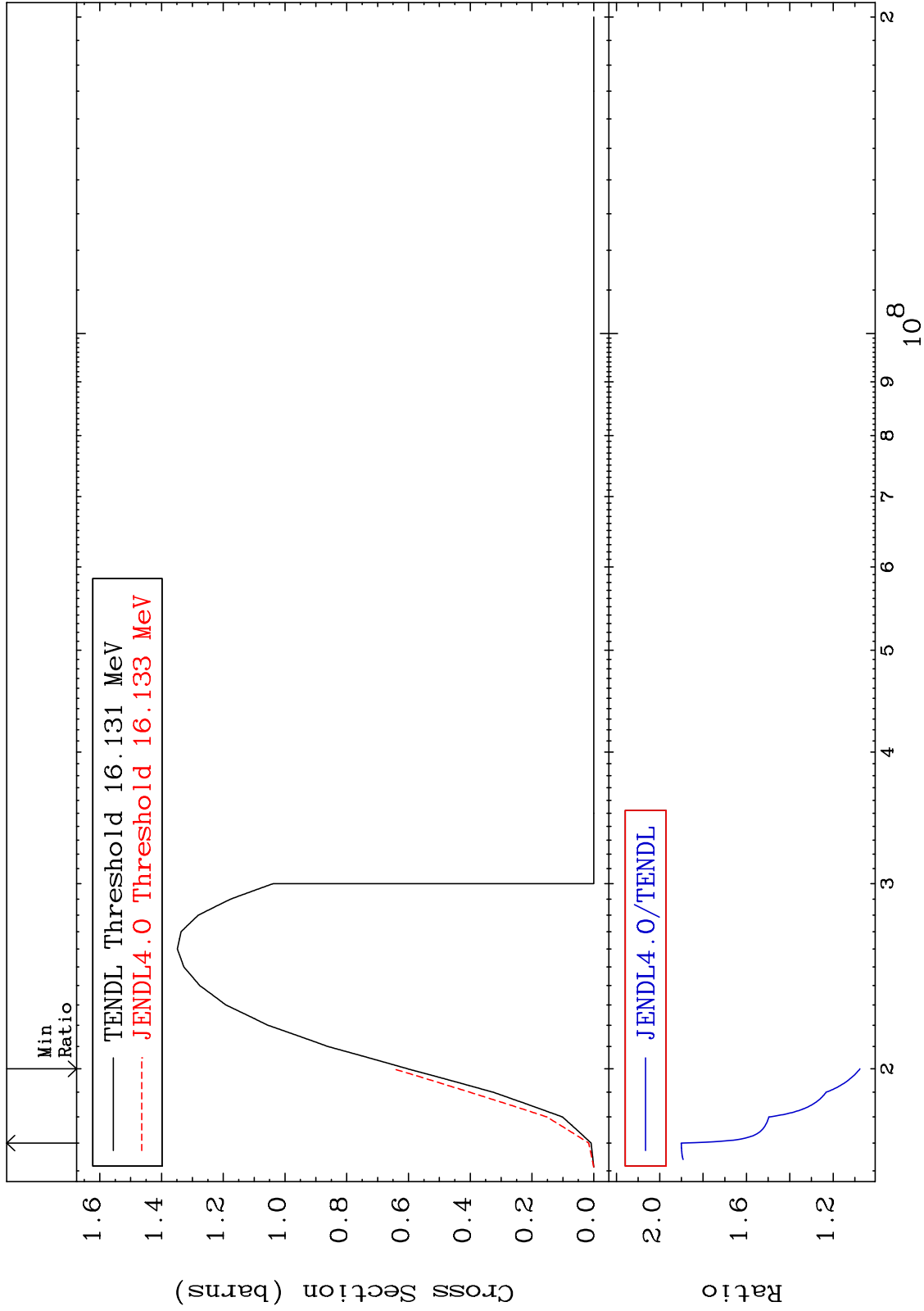
MAT 5646

(n, 3n)

56-Ba-137

Cross Section

7.630 To 90.09 %



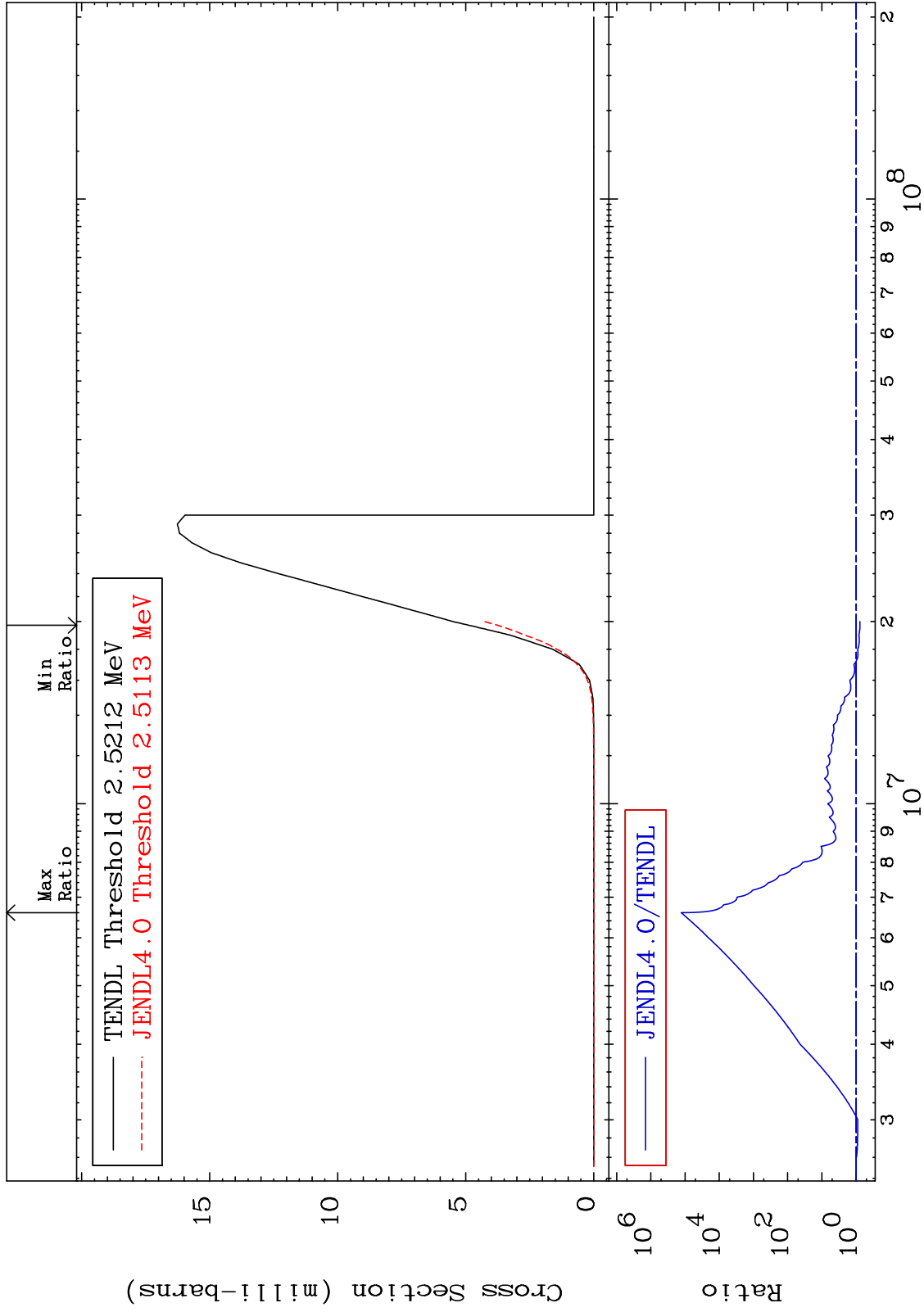
MAT 5646

(n, n') α

56-Ba-137

Cross Section

-22.81 To 9999. %



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Incident Energy (eV)

56-Ba-137

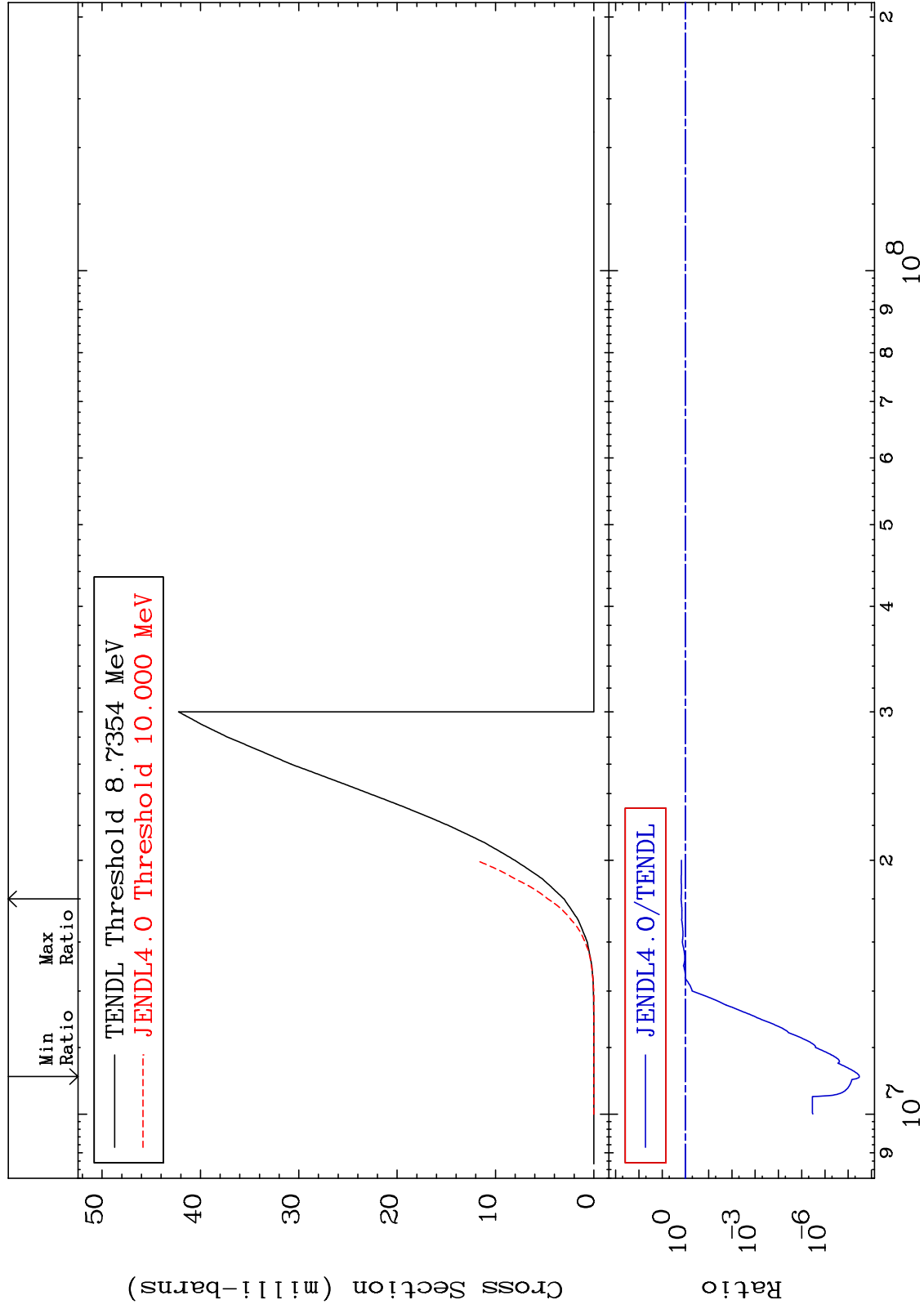
MAT 5646

(n,n') p

56-Ba-137

Cross Section

-100.0 To 53.95 %



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Incident Energy (eV)

56-Ba-137

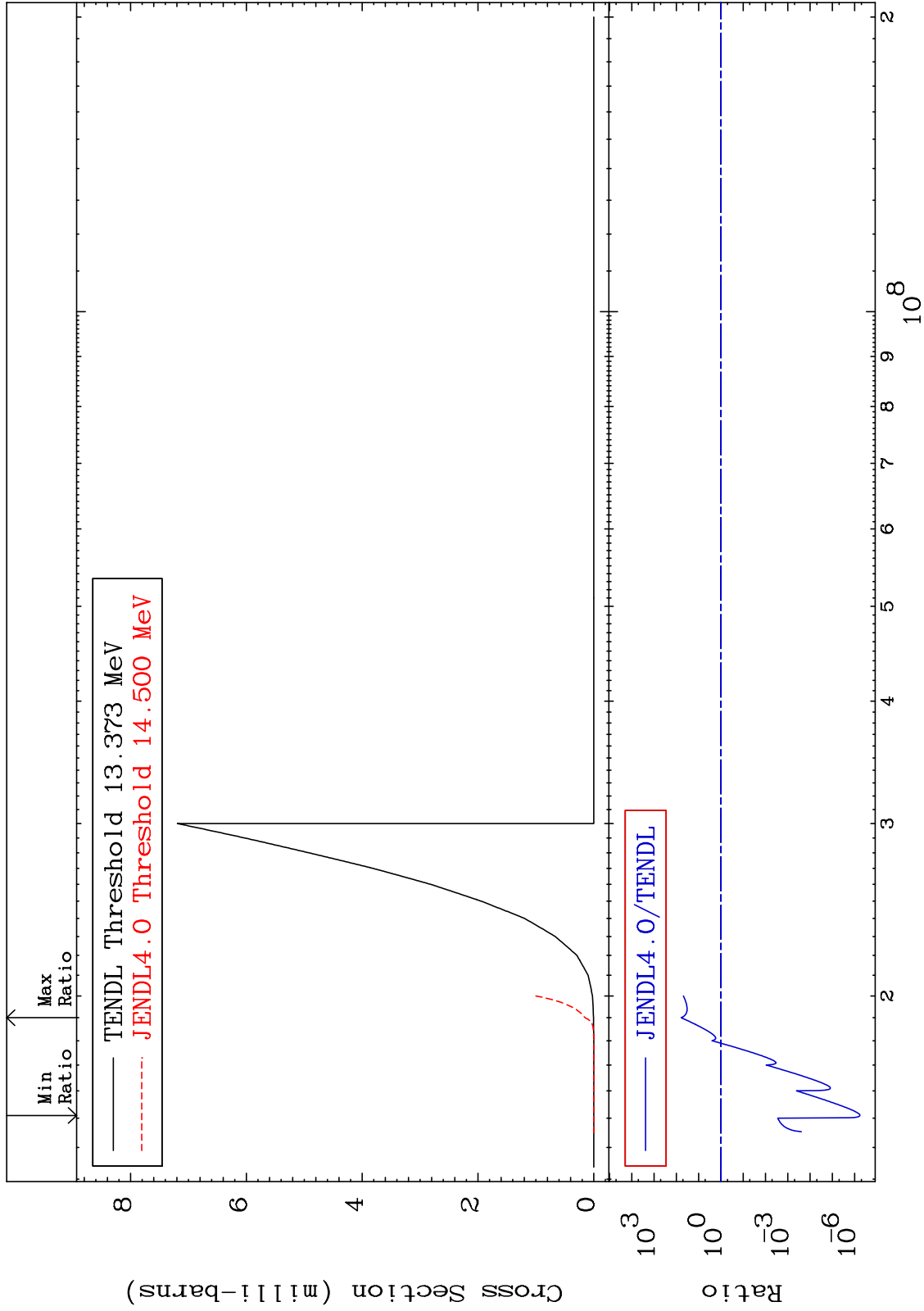
MAT 5646

(n, n') d

56-Ba-137

Cross Section

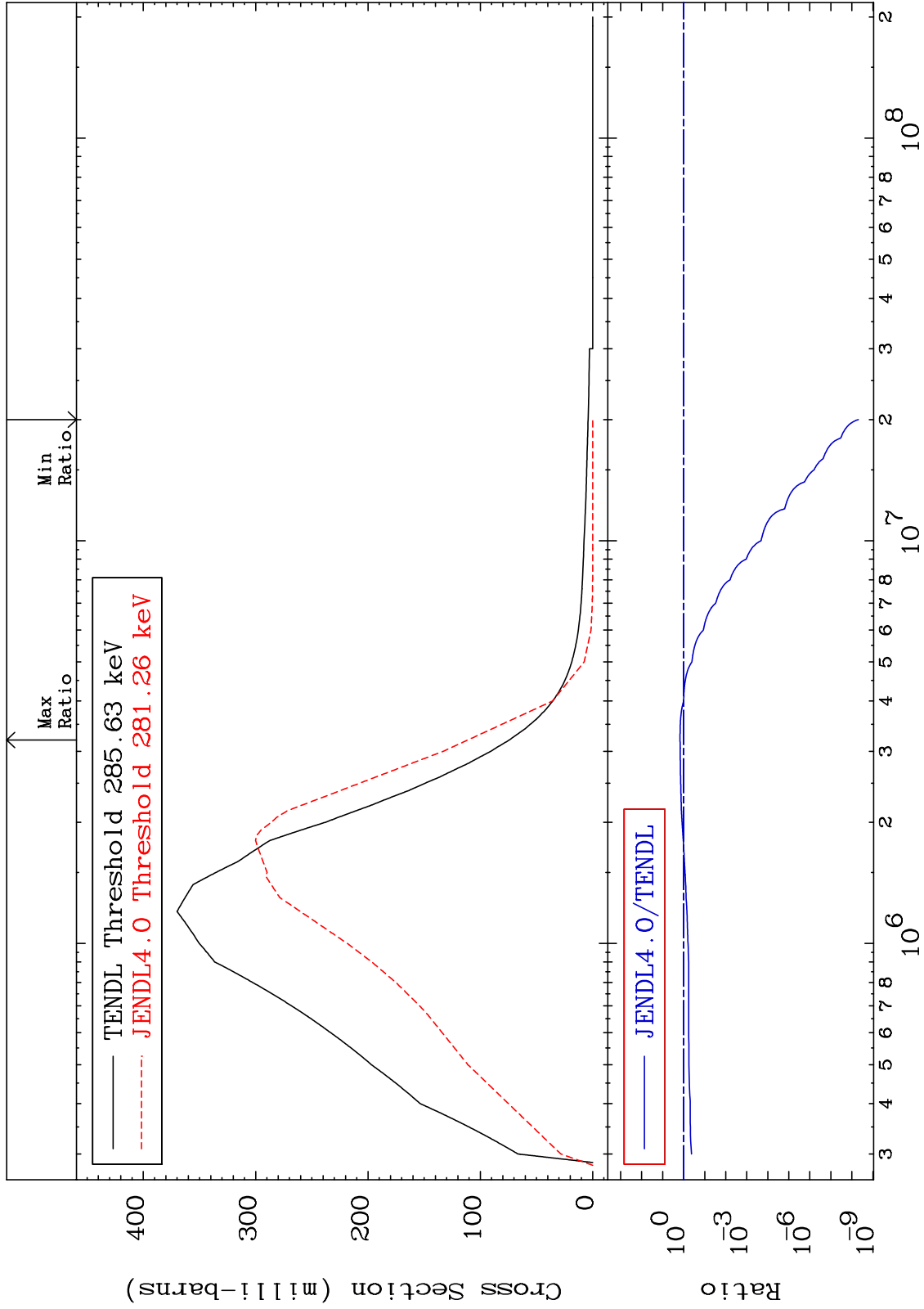
-100.0 To 5894. %



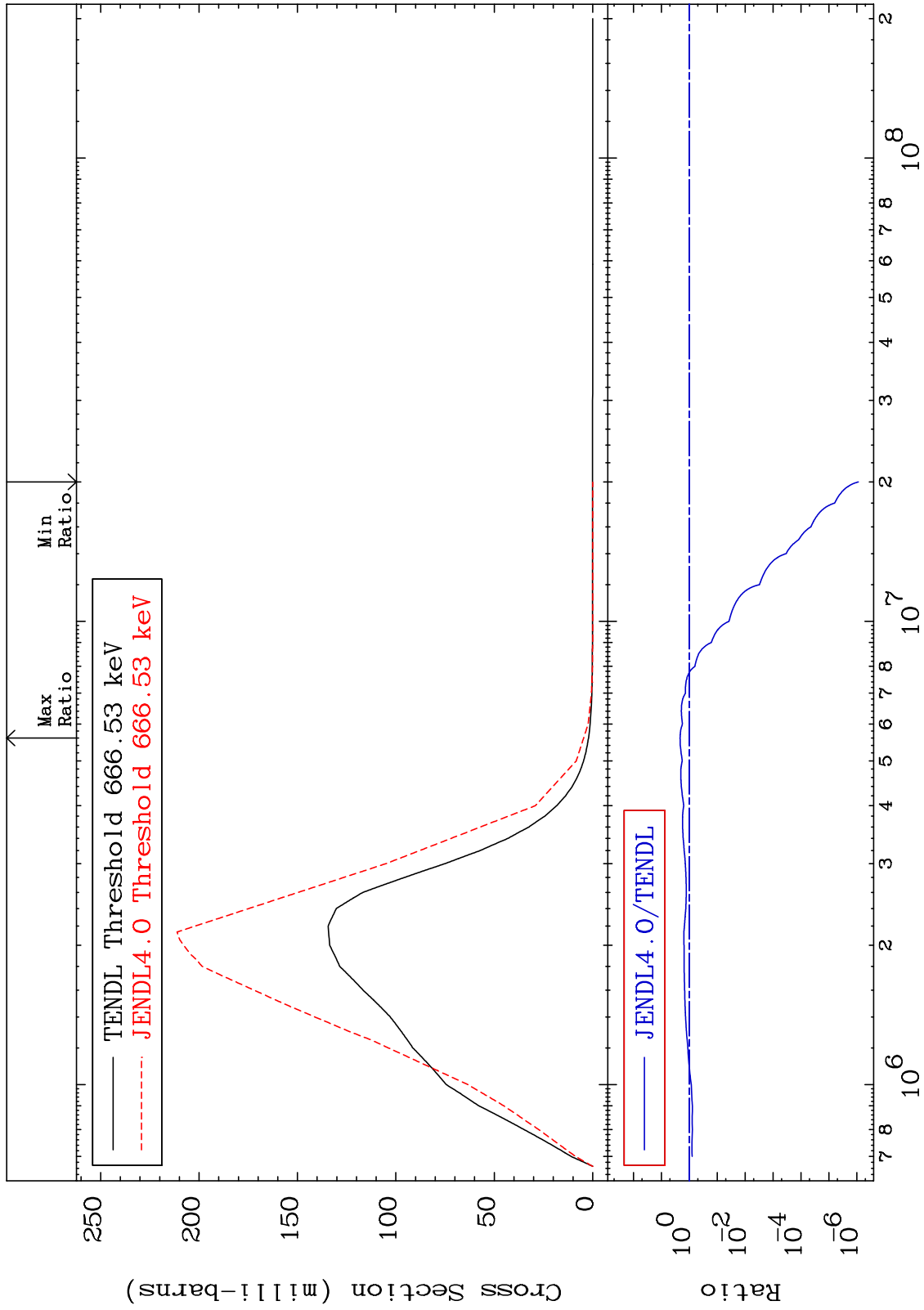
MAT 5646

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

56-Ba-137
-100.0 To 49.77 %

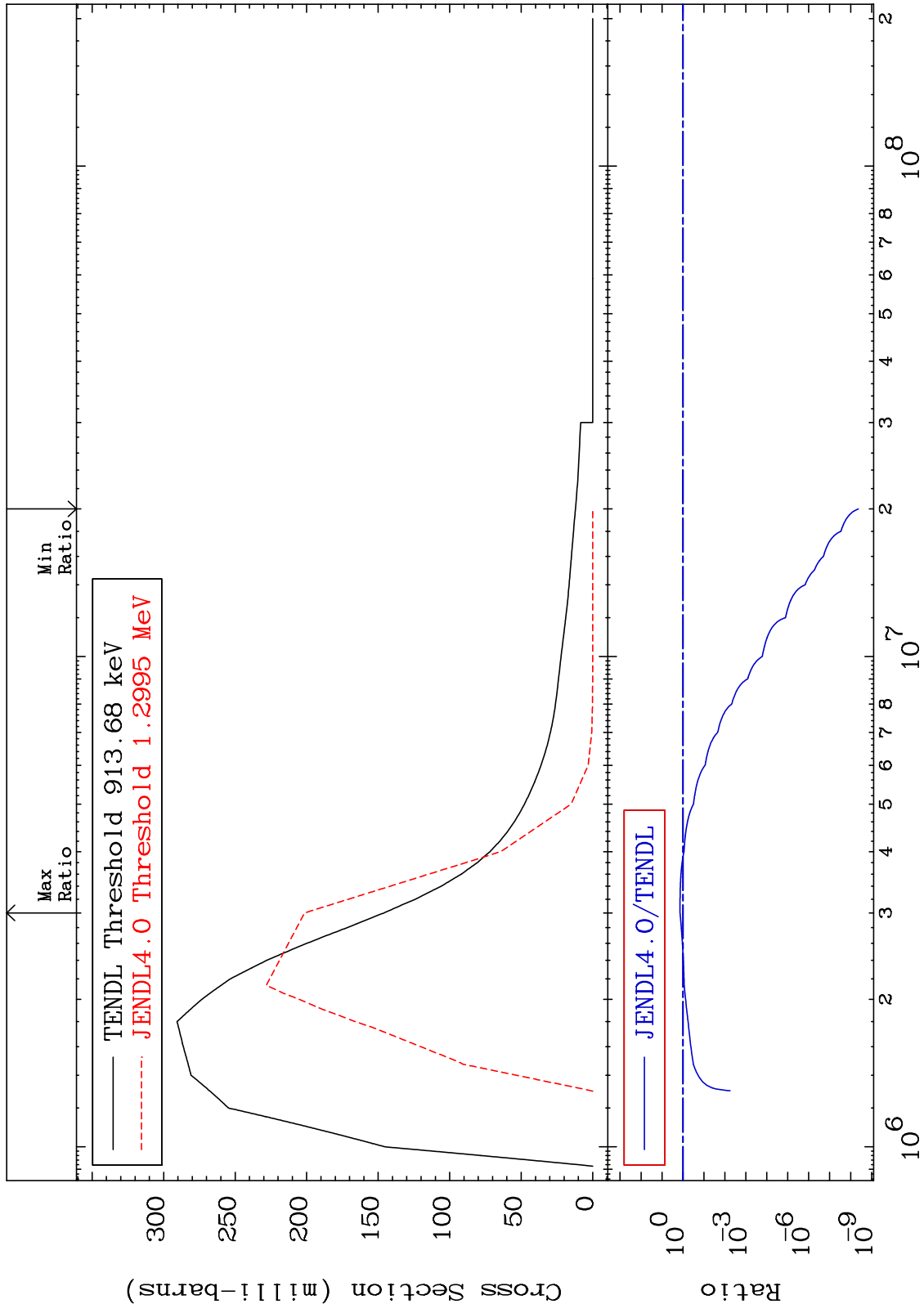


MAT 5646 MT= 52 (n,n') Level Cross Section 56-Ba-137
-100.0 To 115.9 %



56-Ba-137

MAT 5646 MT= 53 (n,n') Level Cross Section 56-Ba-137 -100.0 To 38.12 %

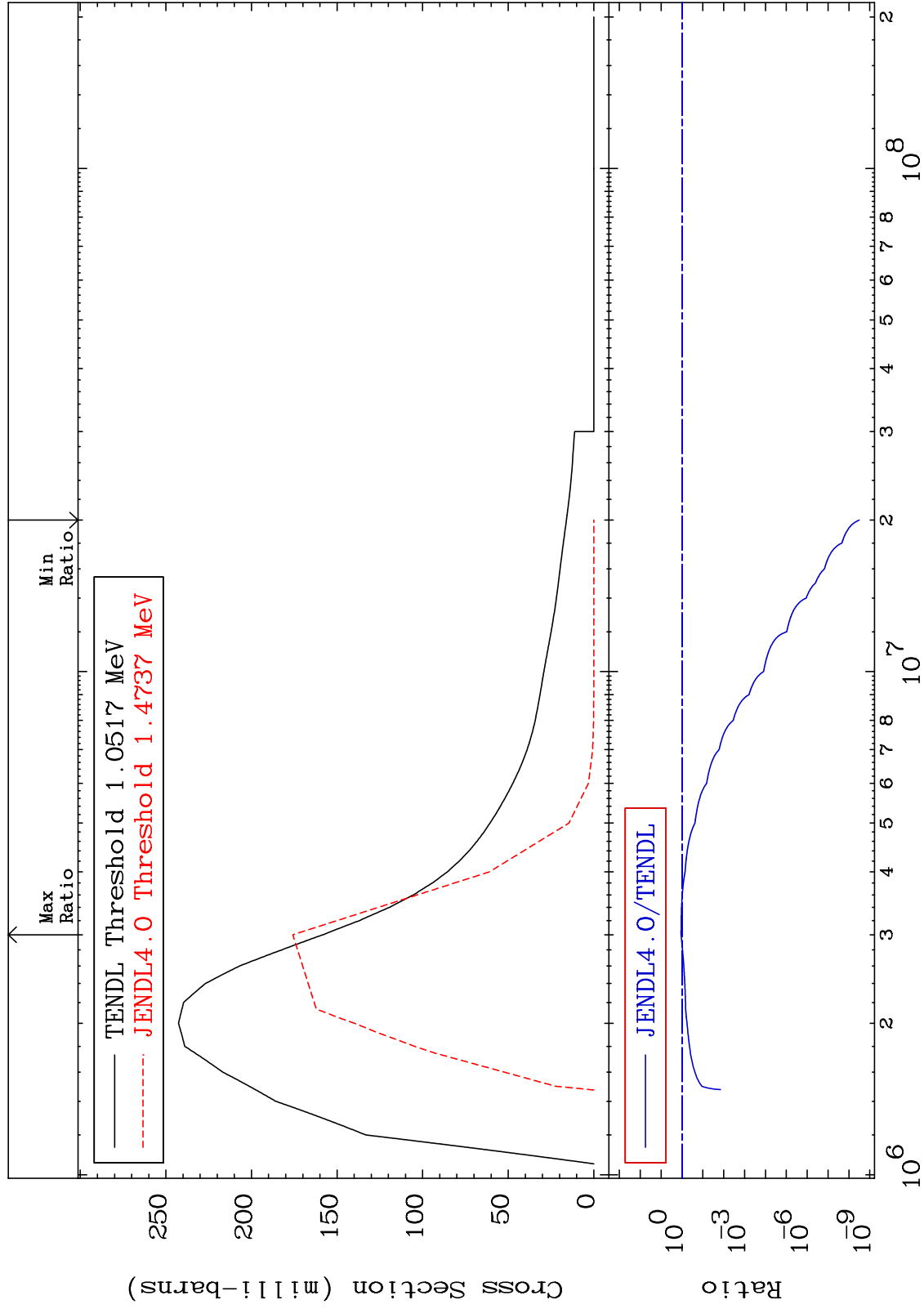


11 56-Ba-137 Incident Energy (eV)

MAT 5646

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

56-Ba-137
-100.0 To 11.15 %



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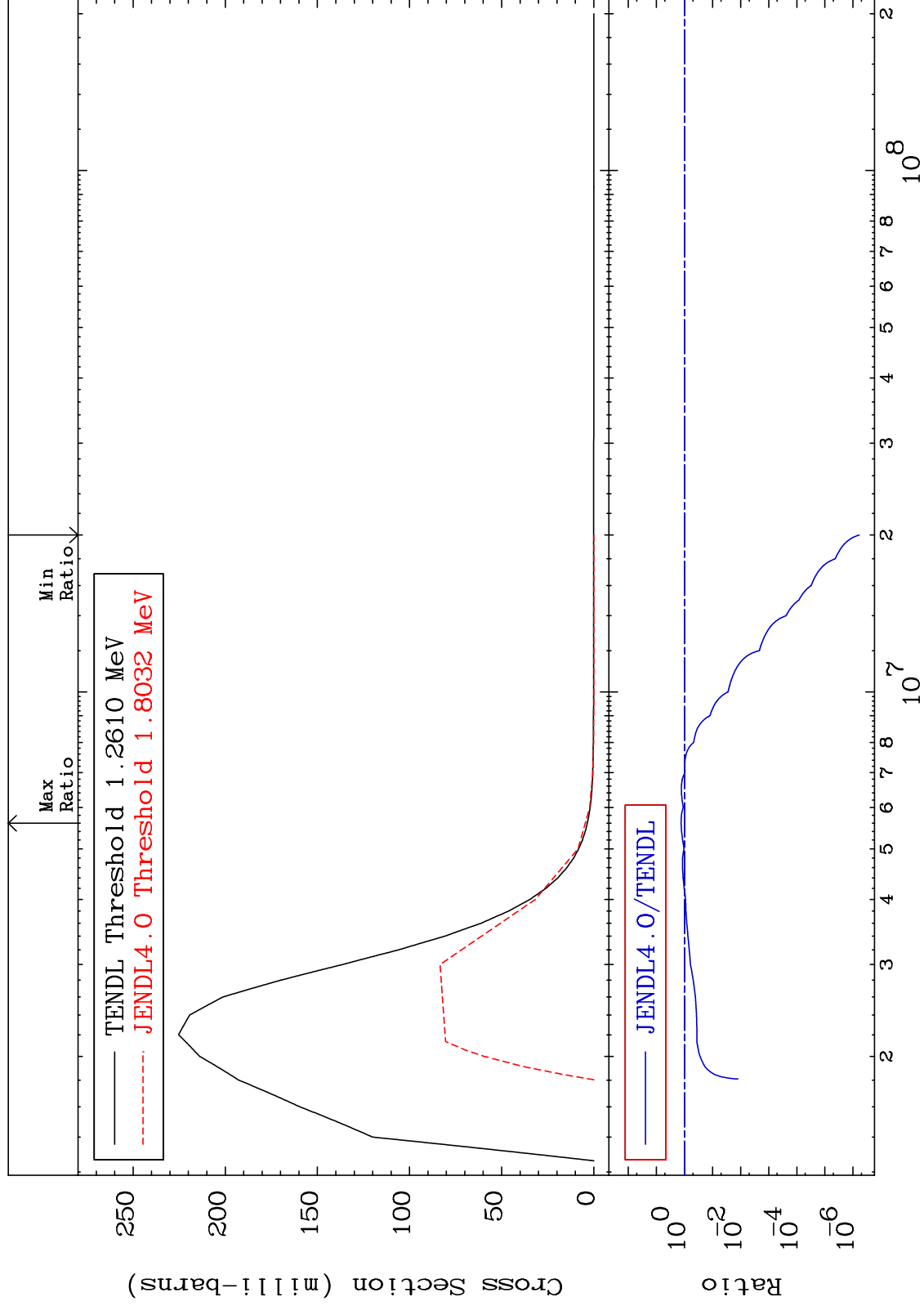
Incident Energy (eV)

56-Ba-137

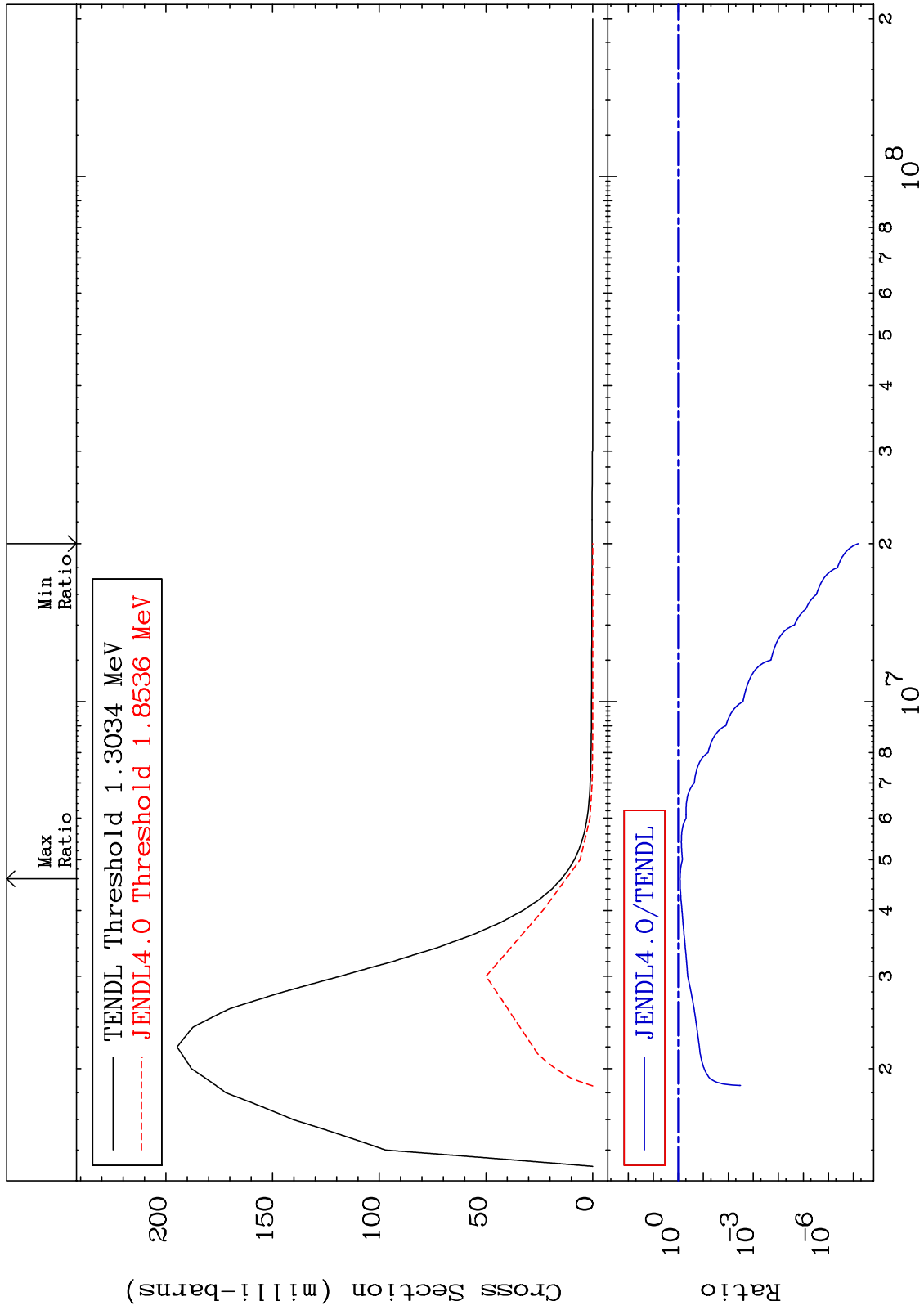
MAT 5646

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

56-Ba-137
-100.0 To 32.03 %



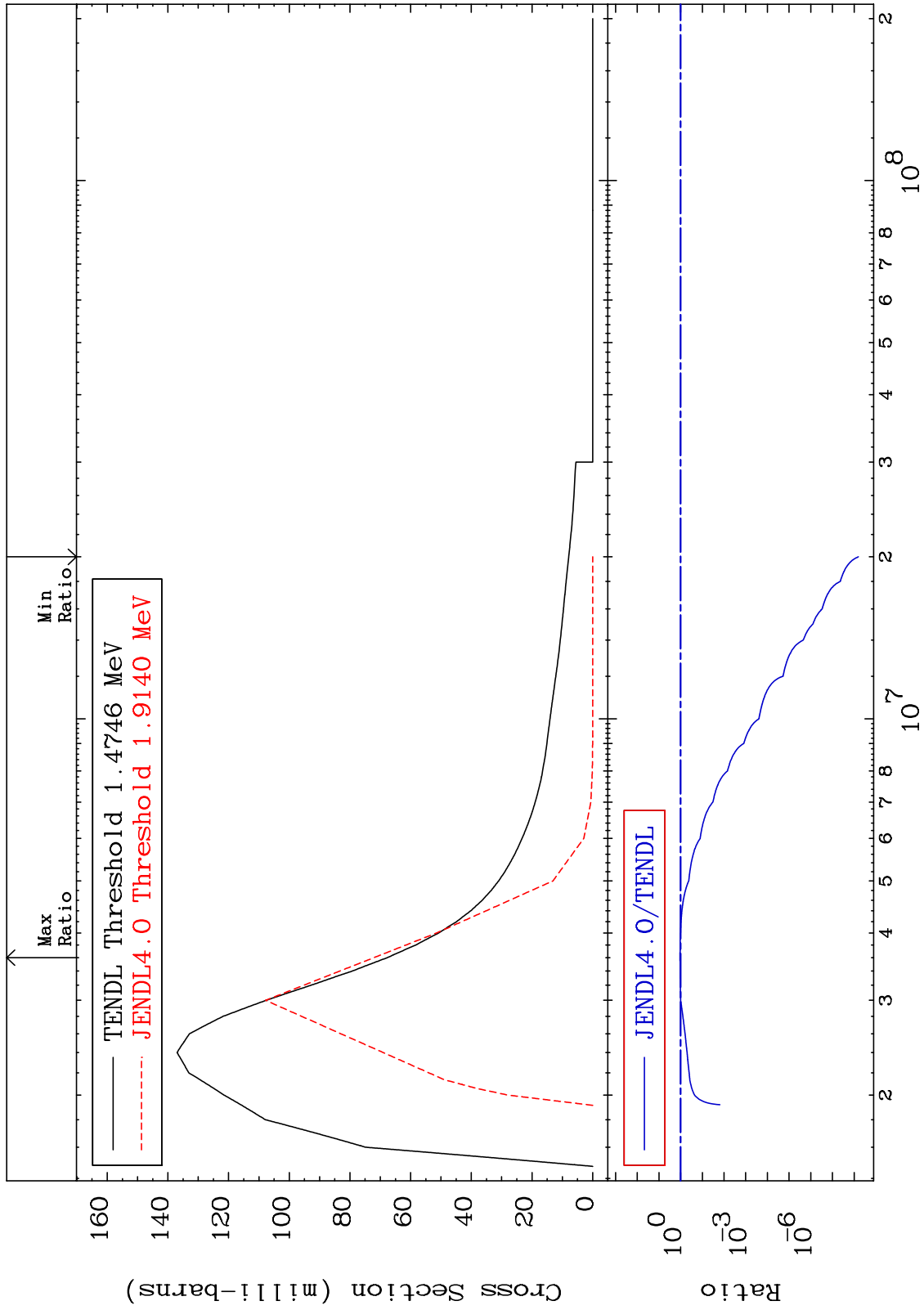
MAT 5646 MT= 56 (n, n') Level
Cross Section 56-Ba-137
-100.0 To -14.72%



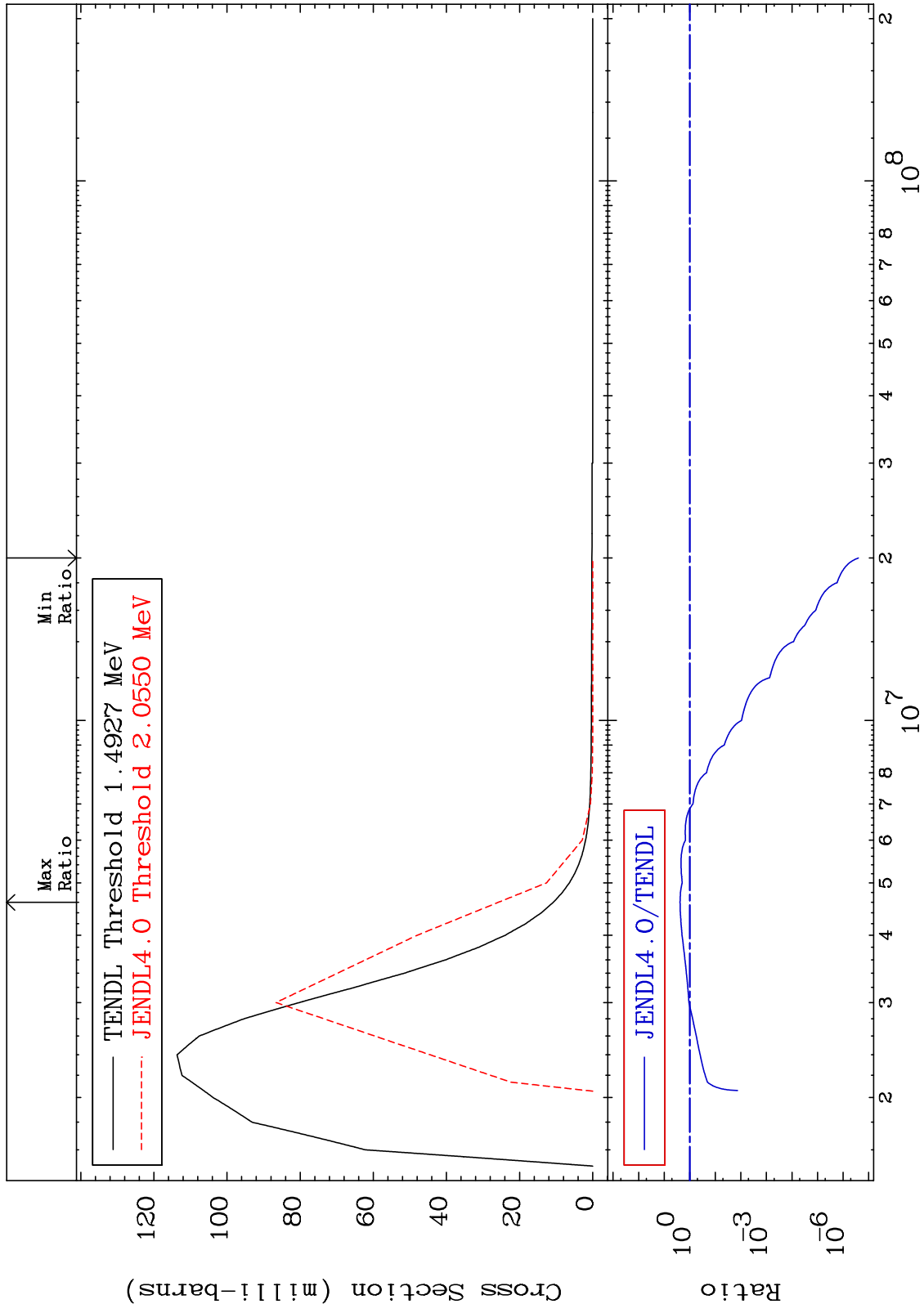
56-Ba-137

Incident Energy (eV)

MAT 5646 MT= 57 (n,n') Level Cross Section 56-Ba-137
 -100.0 To 6.540 %



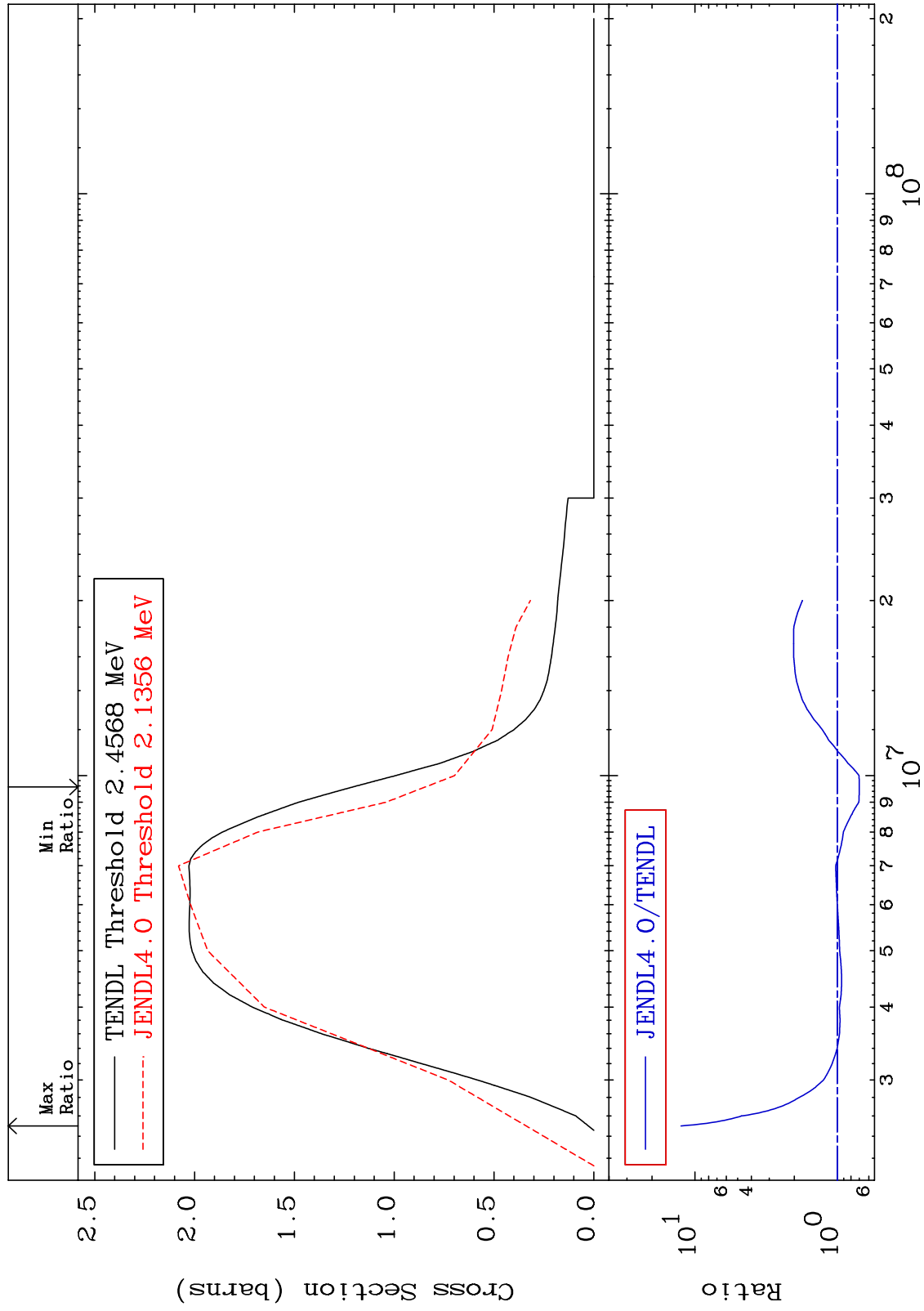
MAT 5646 MT= 58 (n,n') Level Cross Section 56-Ba-137
 -100.0 To 140.0 %



MAT 5646

(n, n') Continuum
Cross Section

56-Ba-137
-30.07 To 1150. %



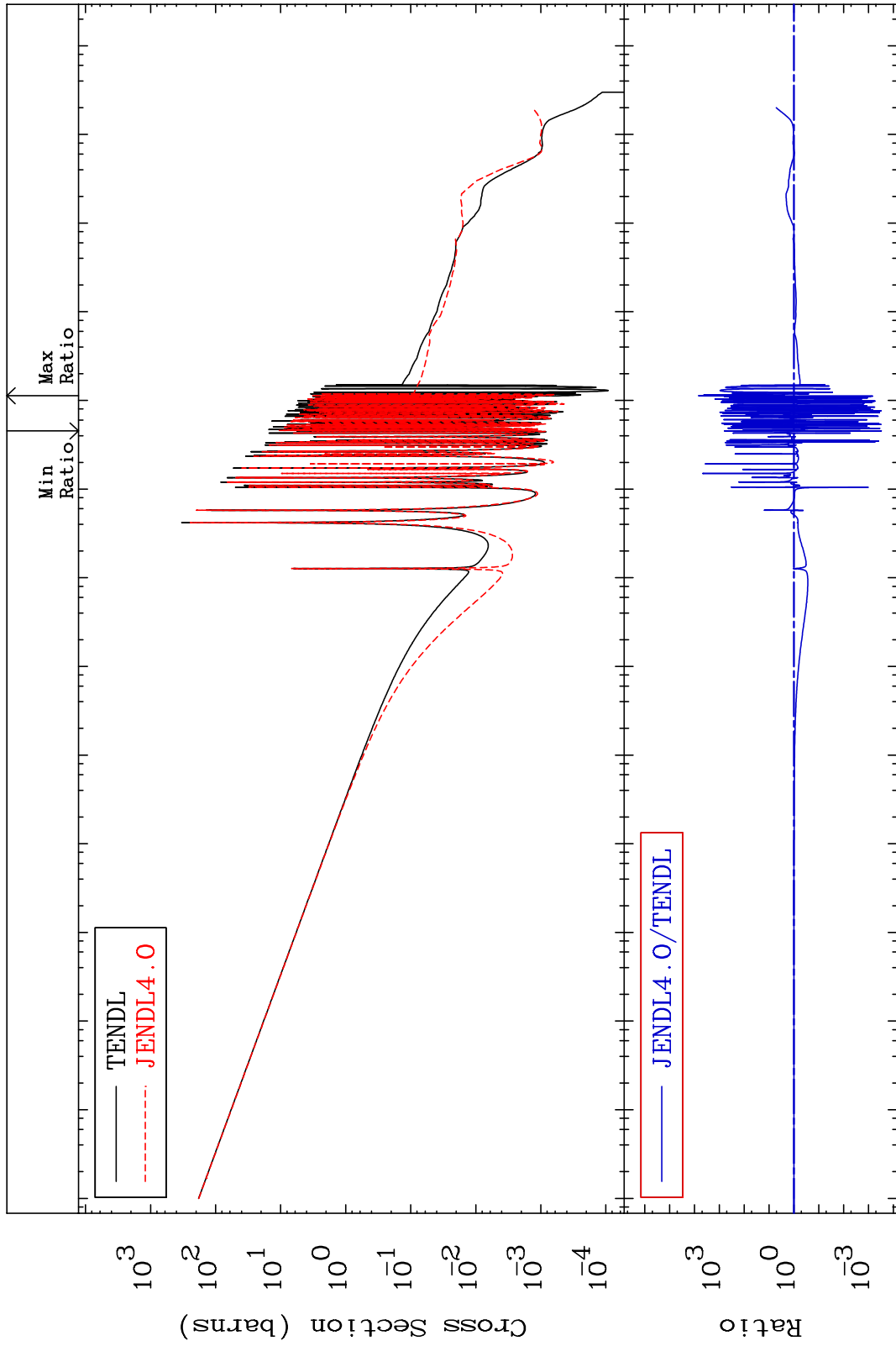
MAT 5646

(n, γ)

56-Ba-137

Cross Section

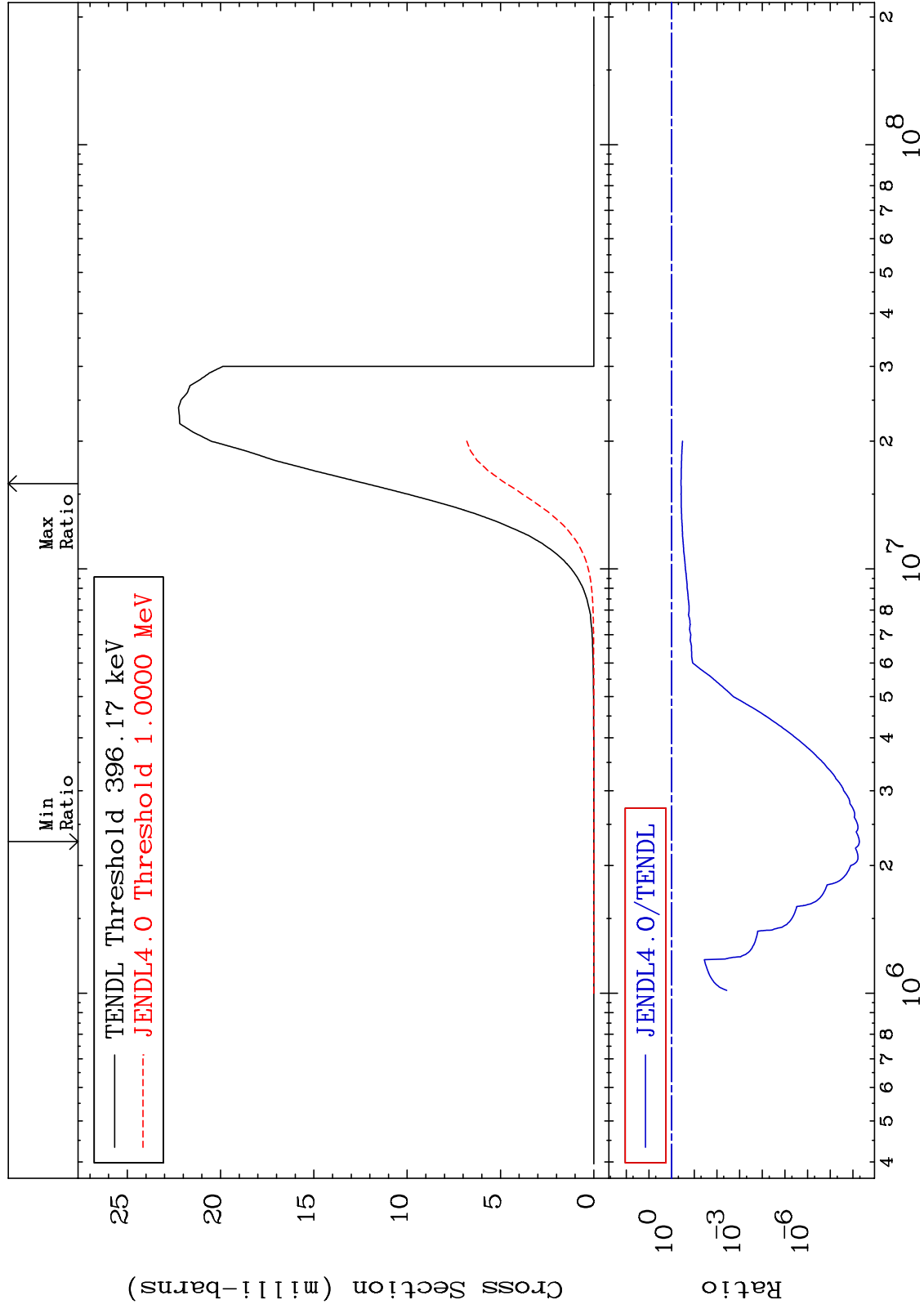
-99.97 To 9999. %



Incident Energy (eV) 56-Ba-137

MAT 5646

(n,p) Cross Section
56-Ba-137
-100.0 To -61.55%



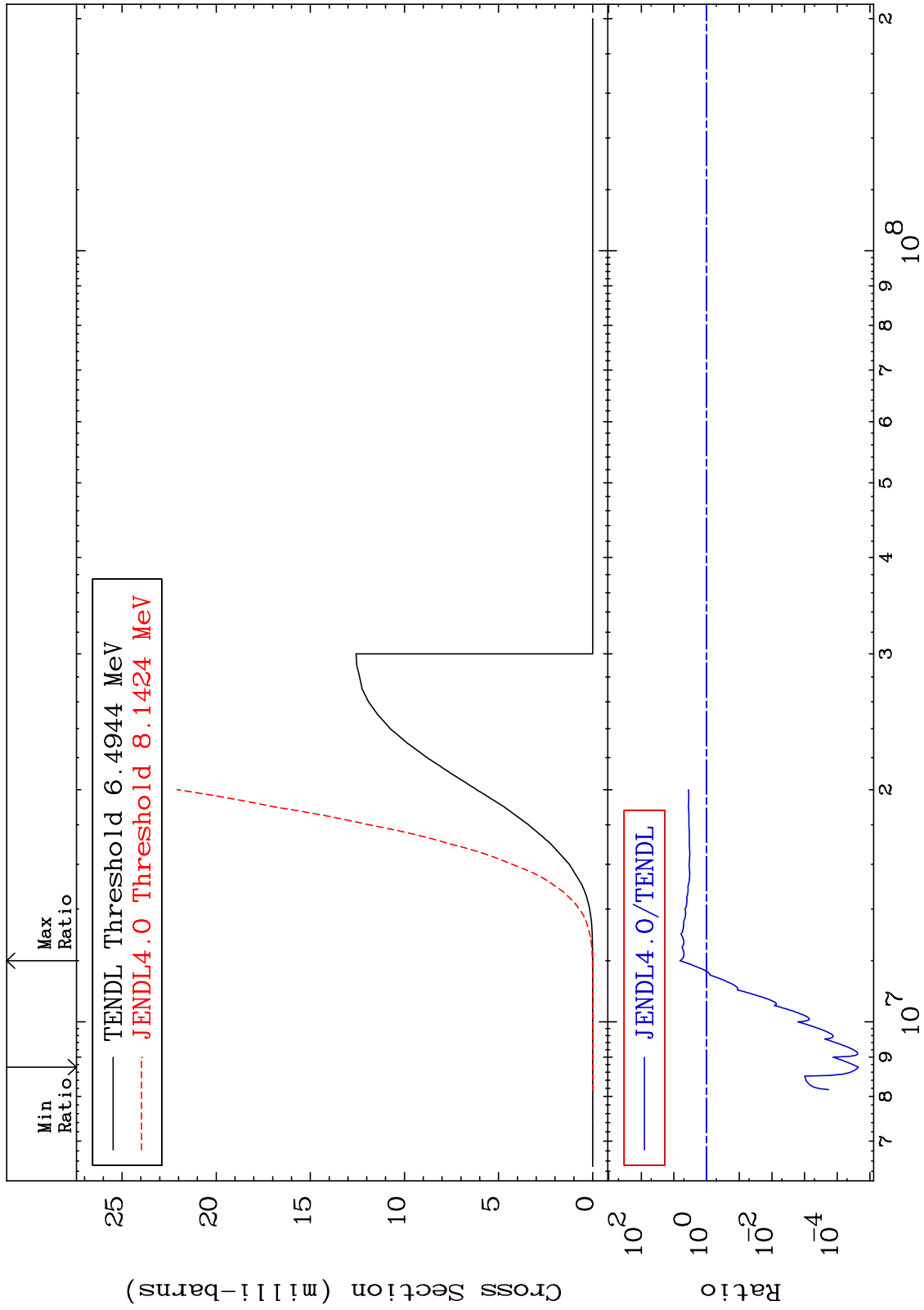
MAT 5646

(n, d)

56-Ba-137

Cross Section

-100.0 To 551.9 %



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Incident Energy (eV)

56-Ba-137

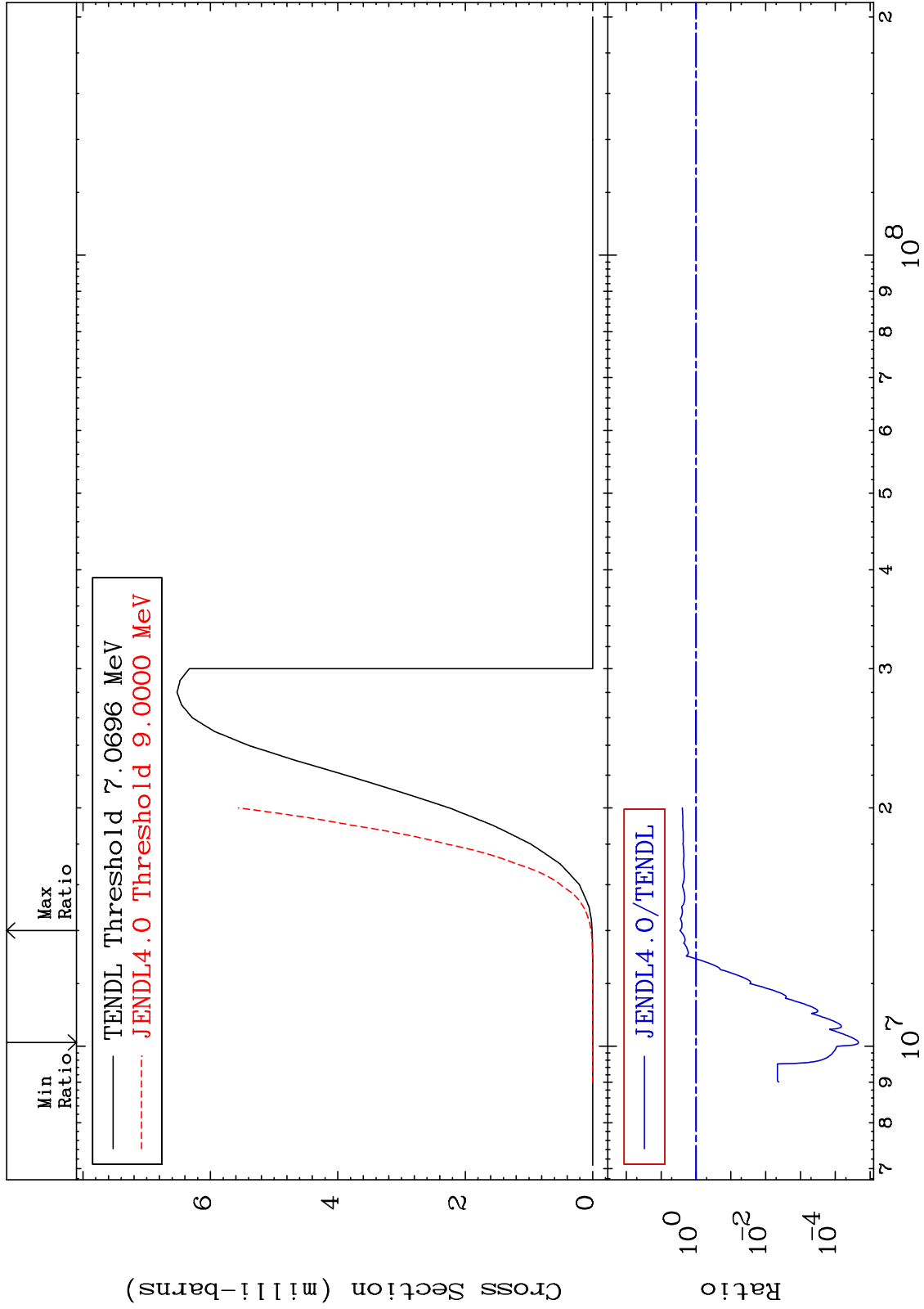
MAT 5646

(n, t)

56-Ba-137

Cross Section

-100.0 To 187.2 %



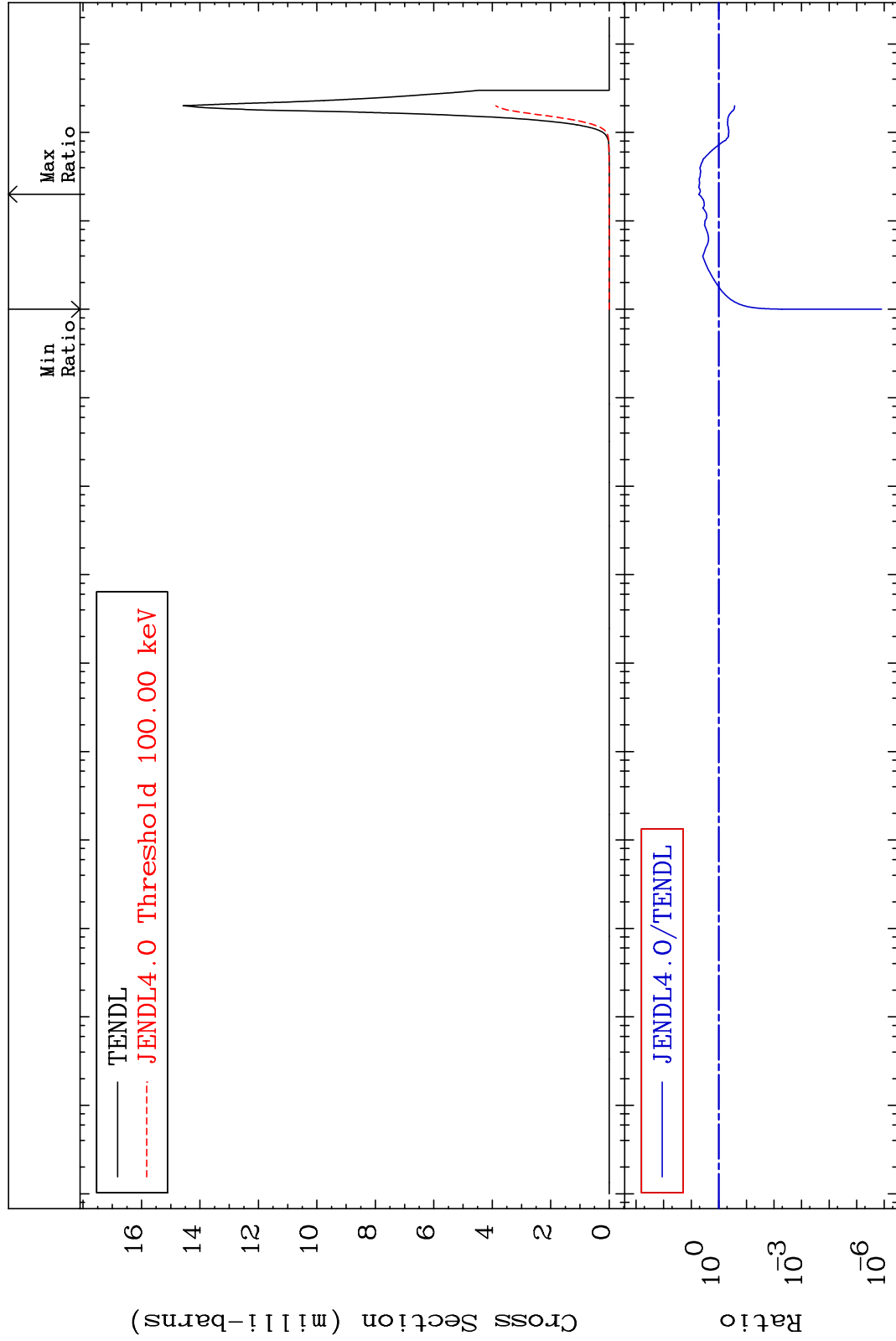
MAT 5646

(n, α)

56-Ba-137

Cross Section

-100.0 To 435.5 %



— TENDL
- - - JENDL4.0 Threshold 100.00 keV

— JENDL4.0/TENDL

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

56-Ba-137

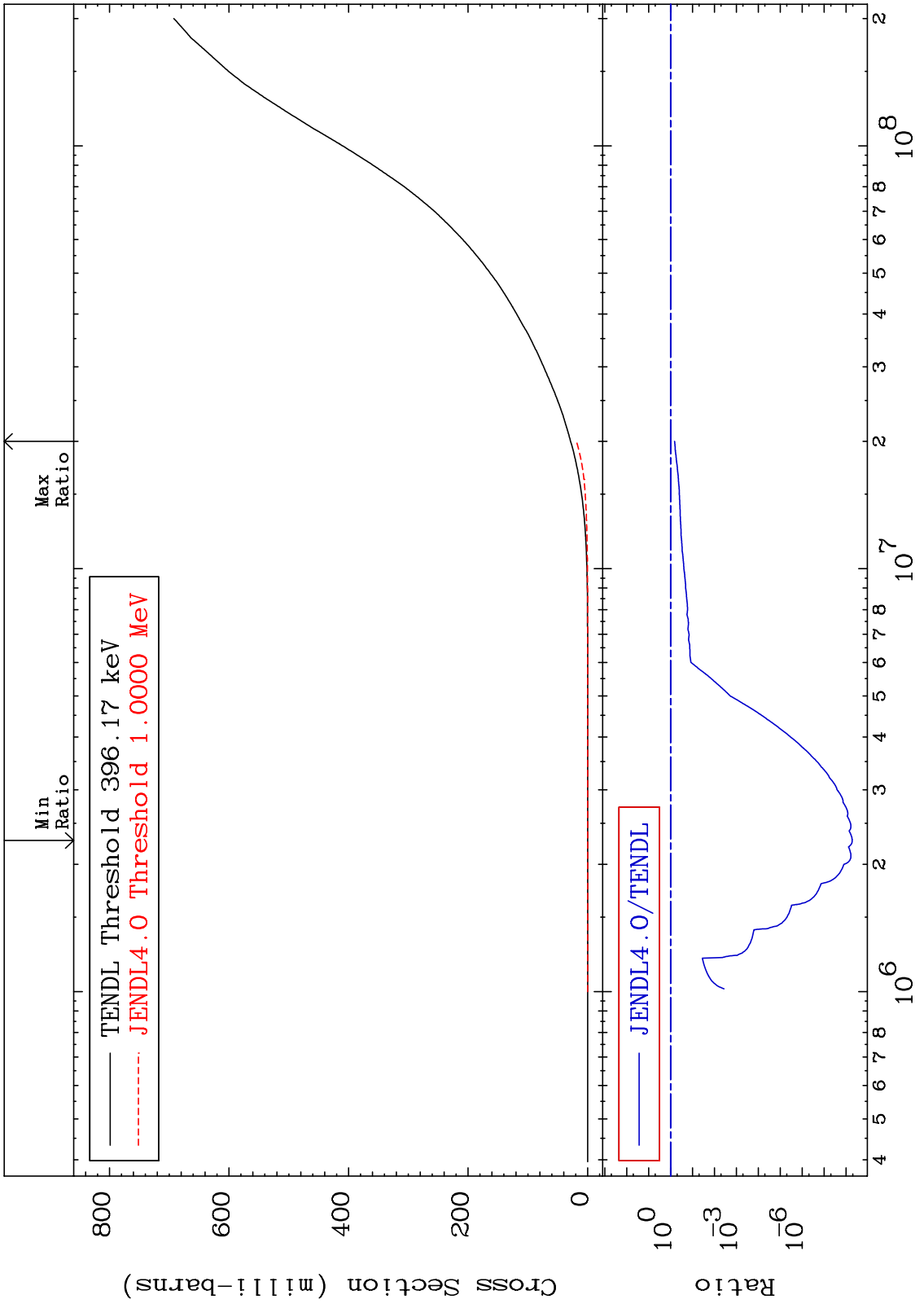
Incident Energy (eV)

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MAT 5646

Hydrogen Production
Cross Section

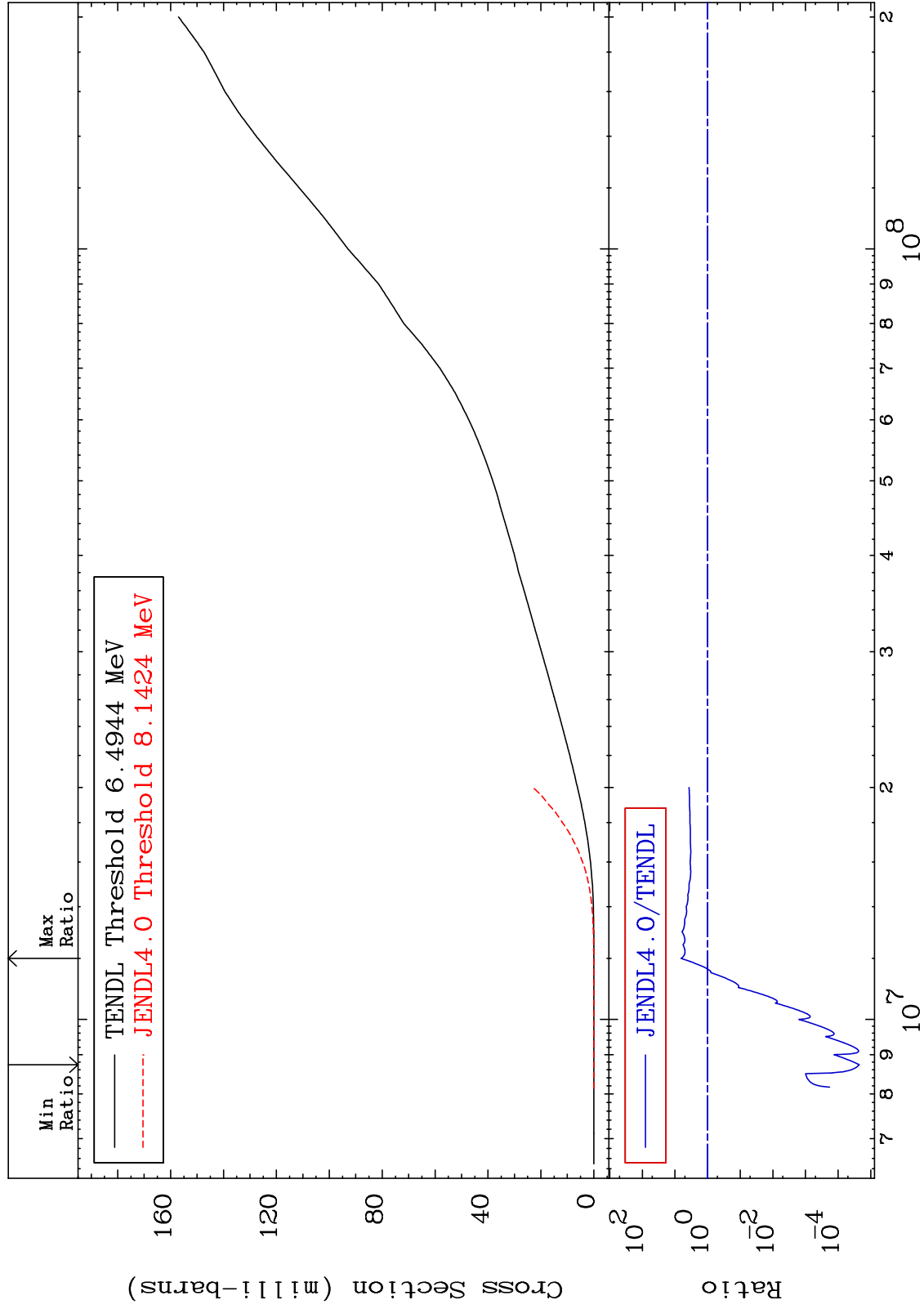
56-Ba-137
-100.0 To -34.22%



MAT 5646

Deuterium Production
Cross Section

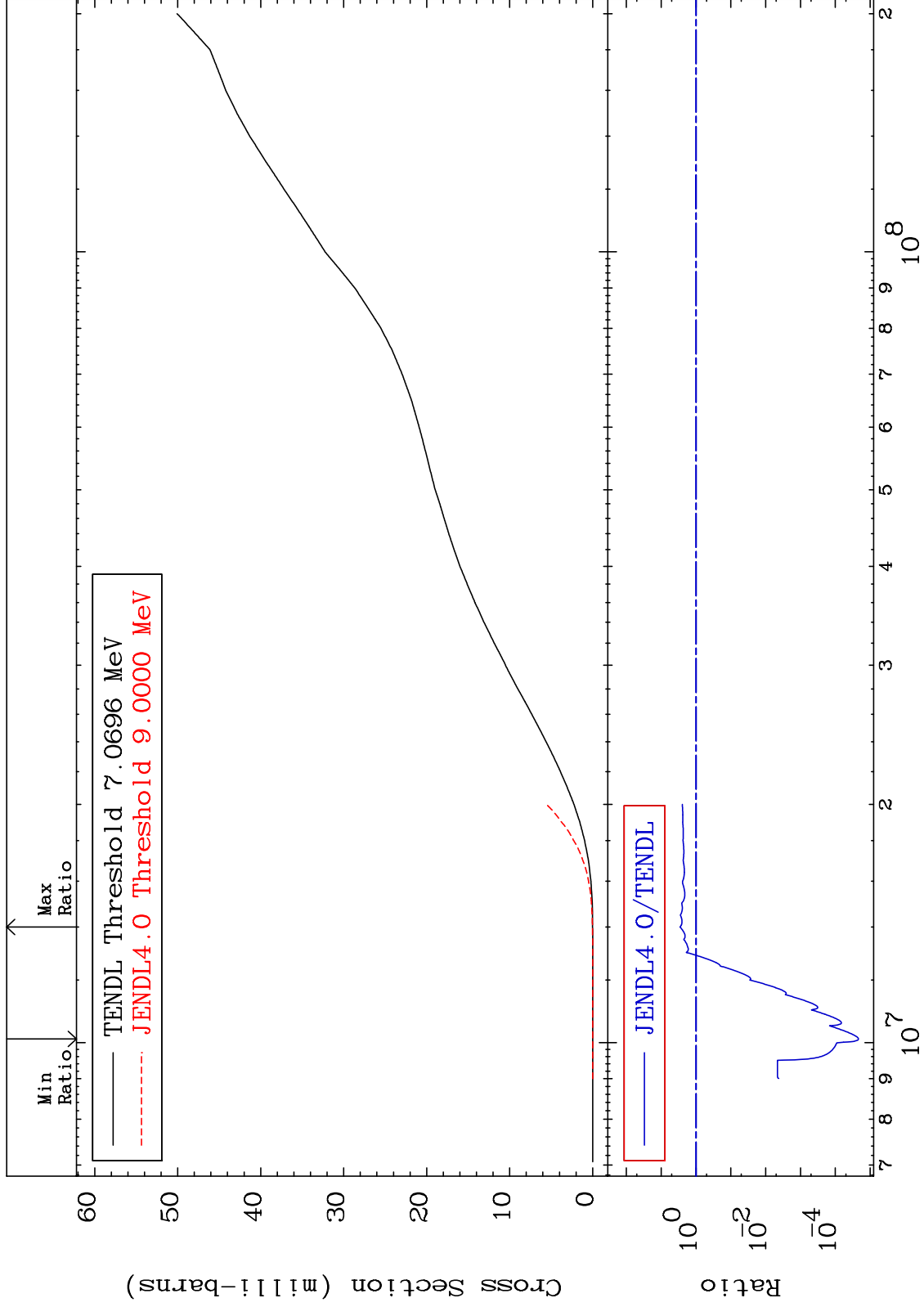
56-Ba-137
-100.0 To 551.9 %



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Tritium Production
Cross Section

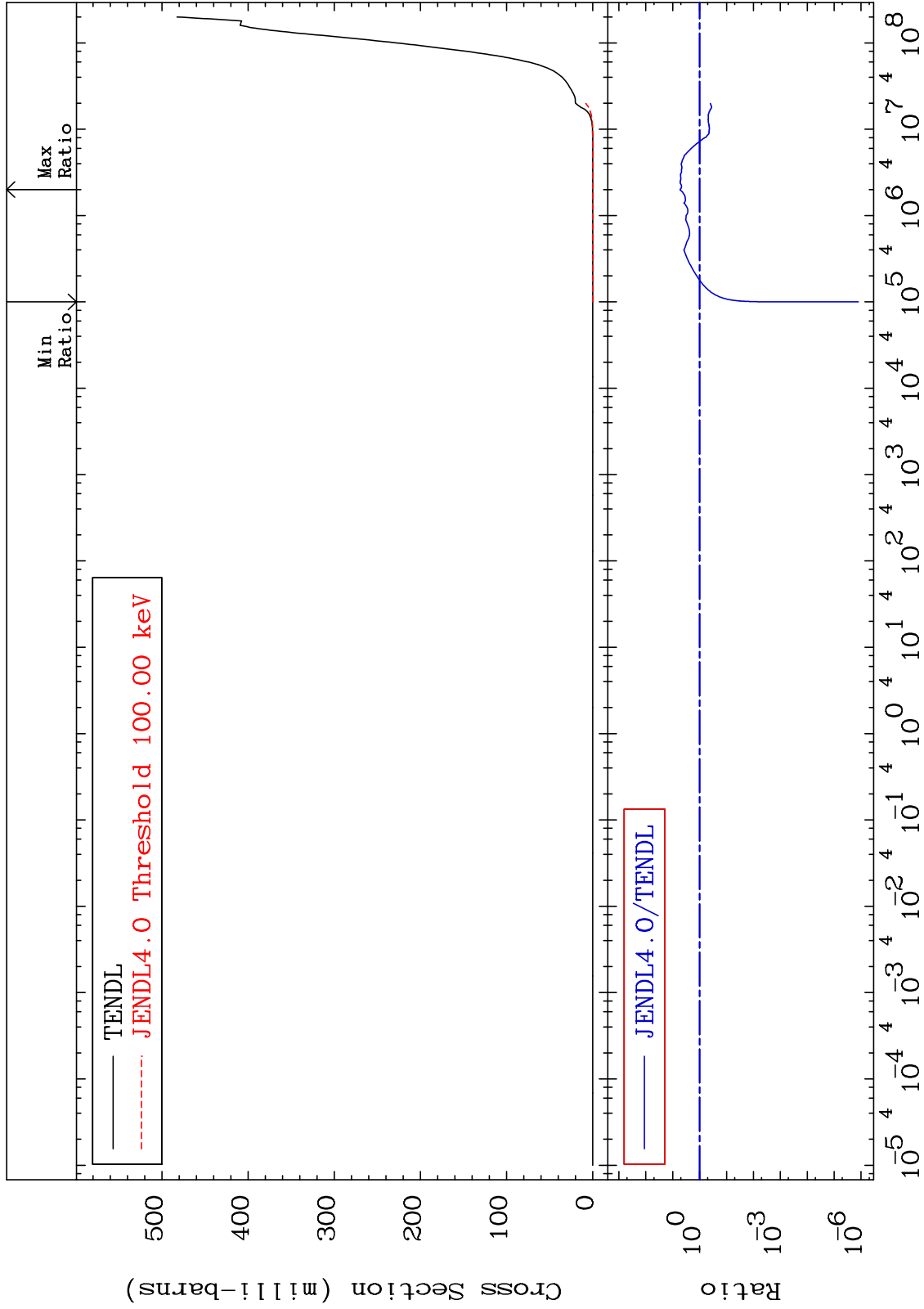
56-Ba-137
-100.0 To 187.2 %



MAT 5646

He-4 Production
Cross Section

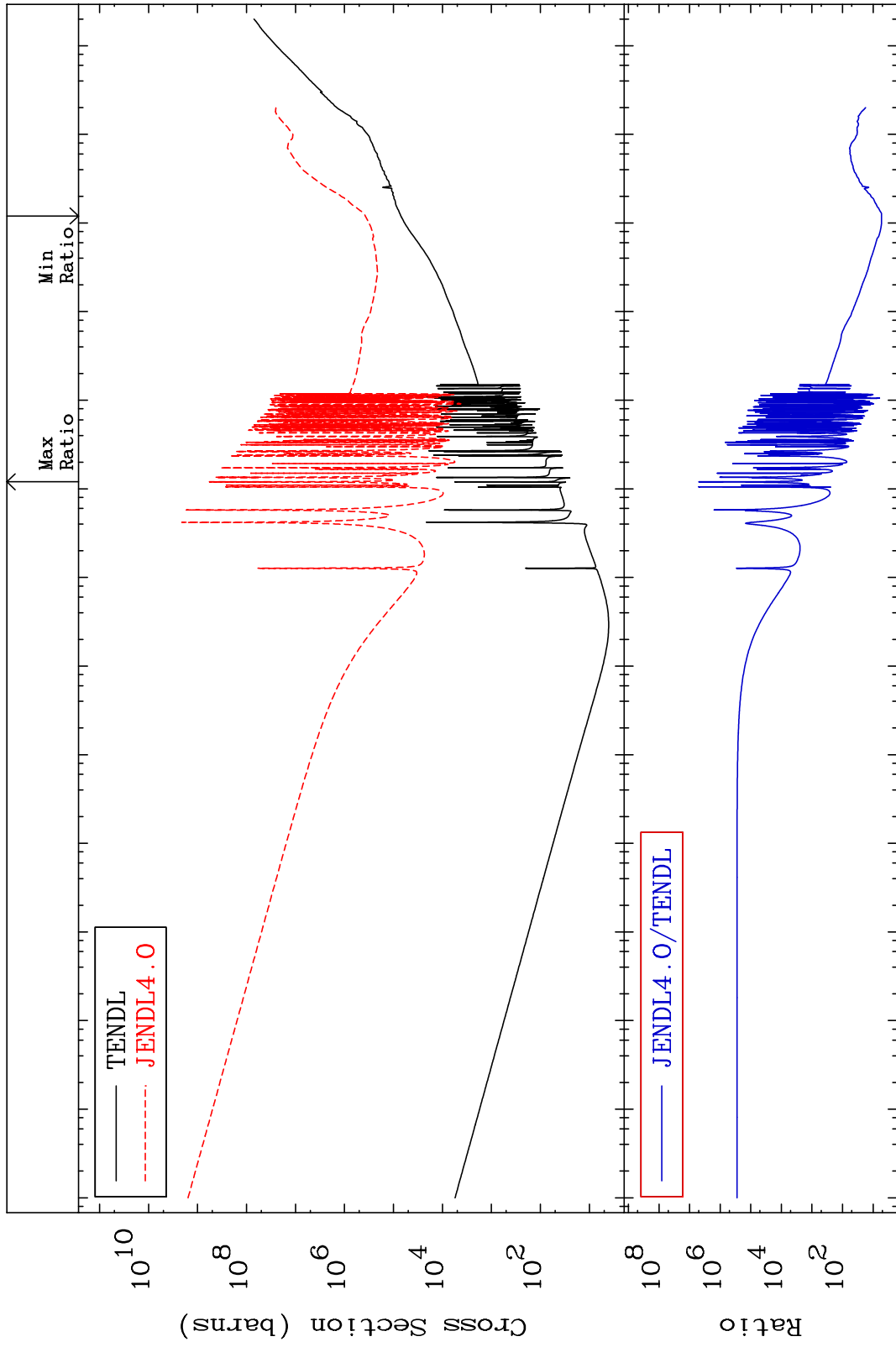
56-Ba-137
-100.0 To 435.5 %



MAT 5646

Kerma total (eV-barns)
Cross Section

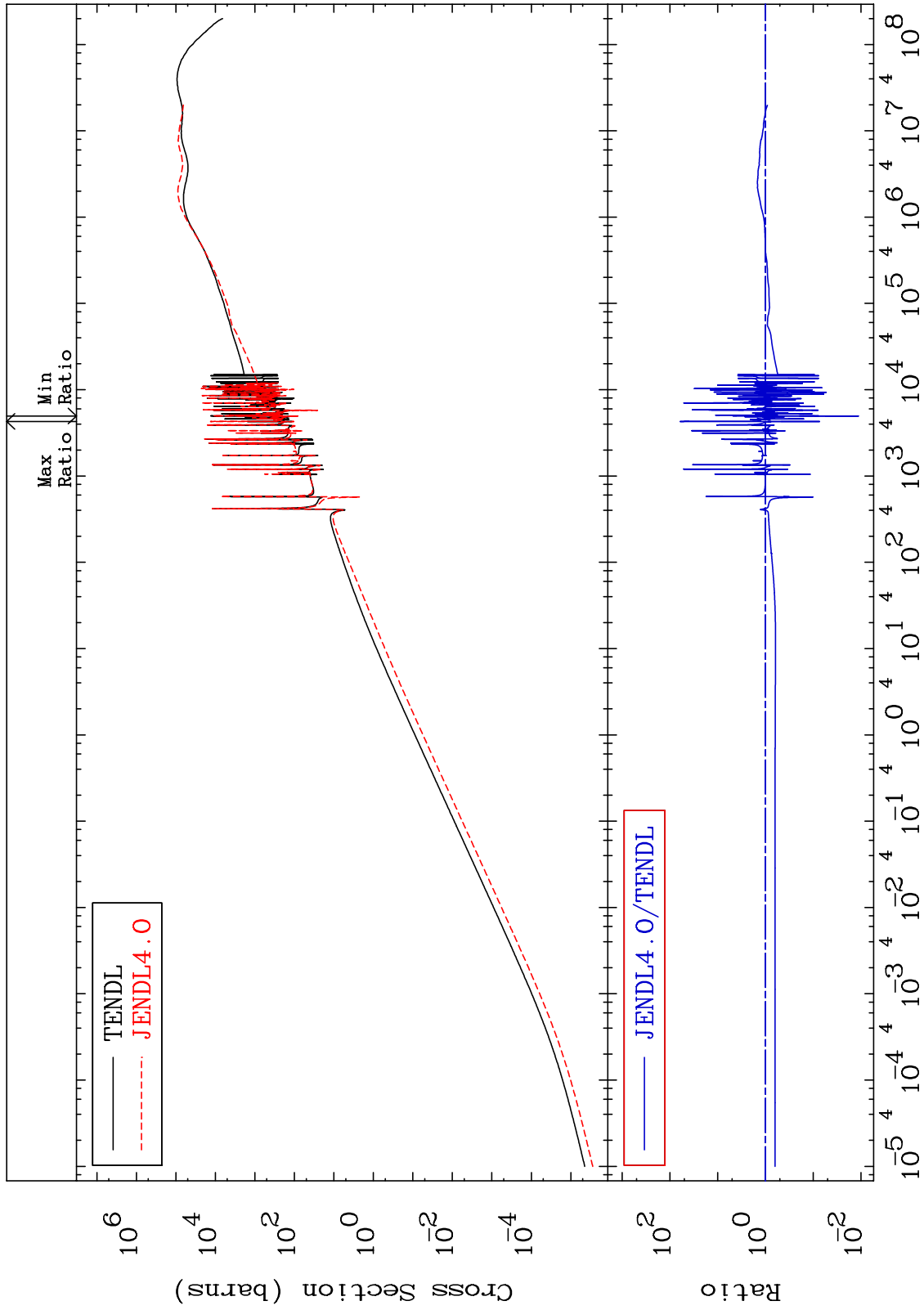
56-Ba-137
429.8 To 9999. %



MAT 5646

Kerma elastic
Cross Section

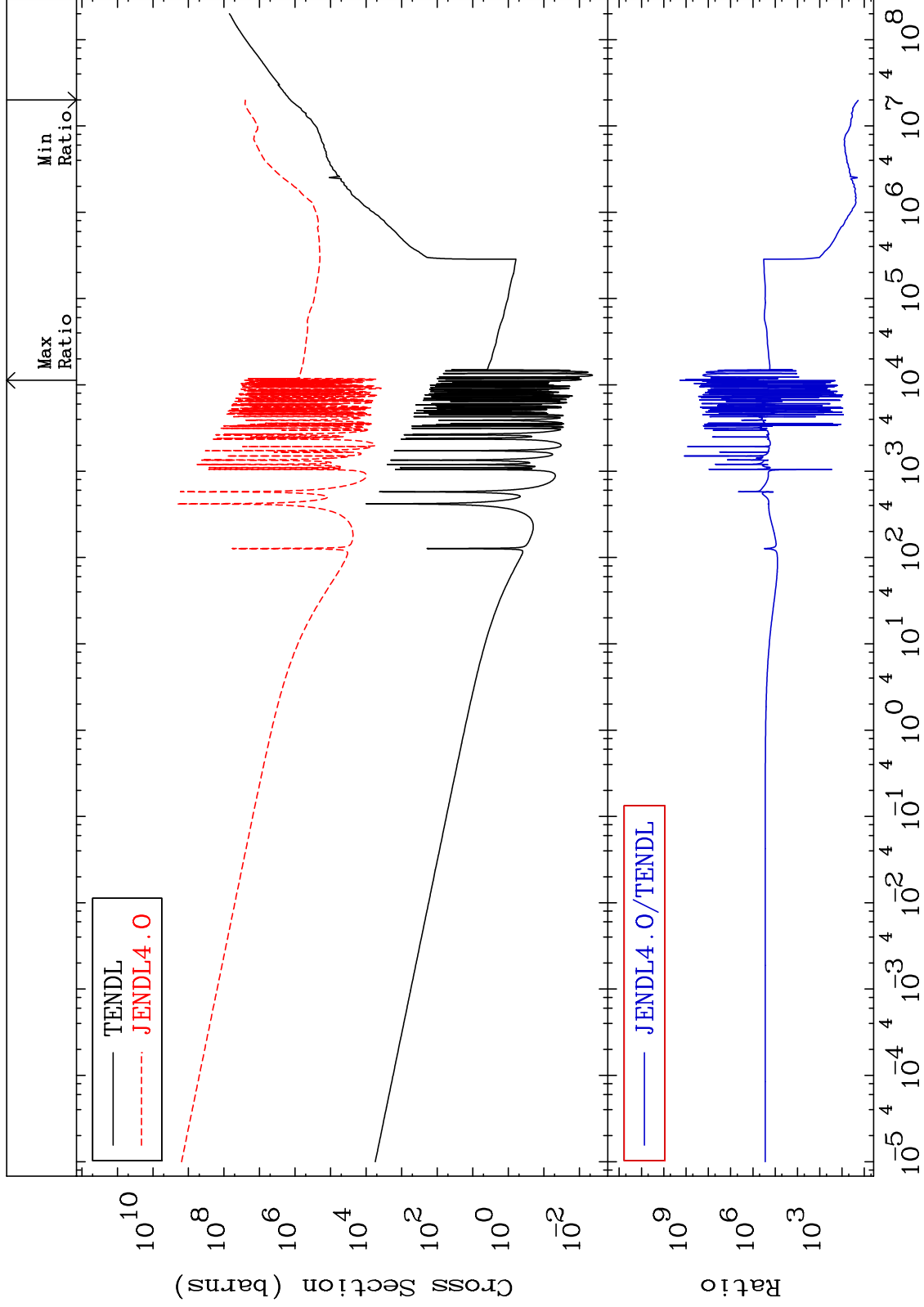
56-Ba-137
-98.87 To 6041. %



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Kerma non-elastic (all but mt2)
Cross Section

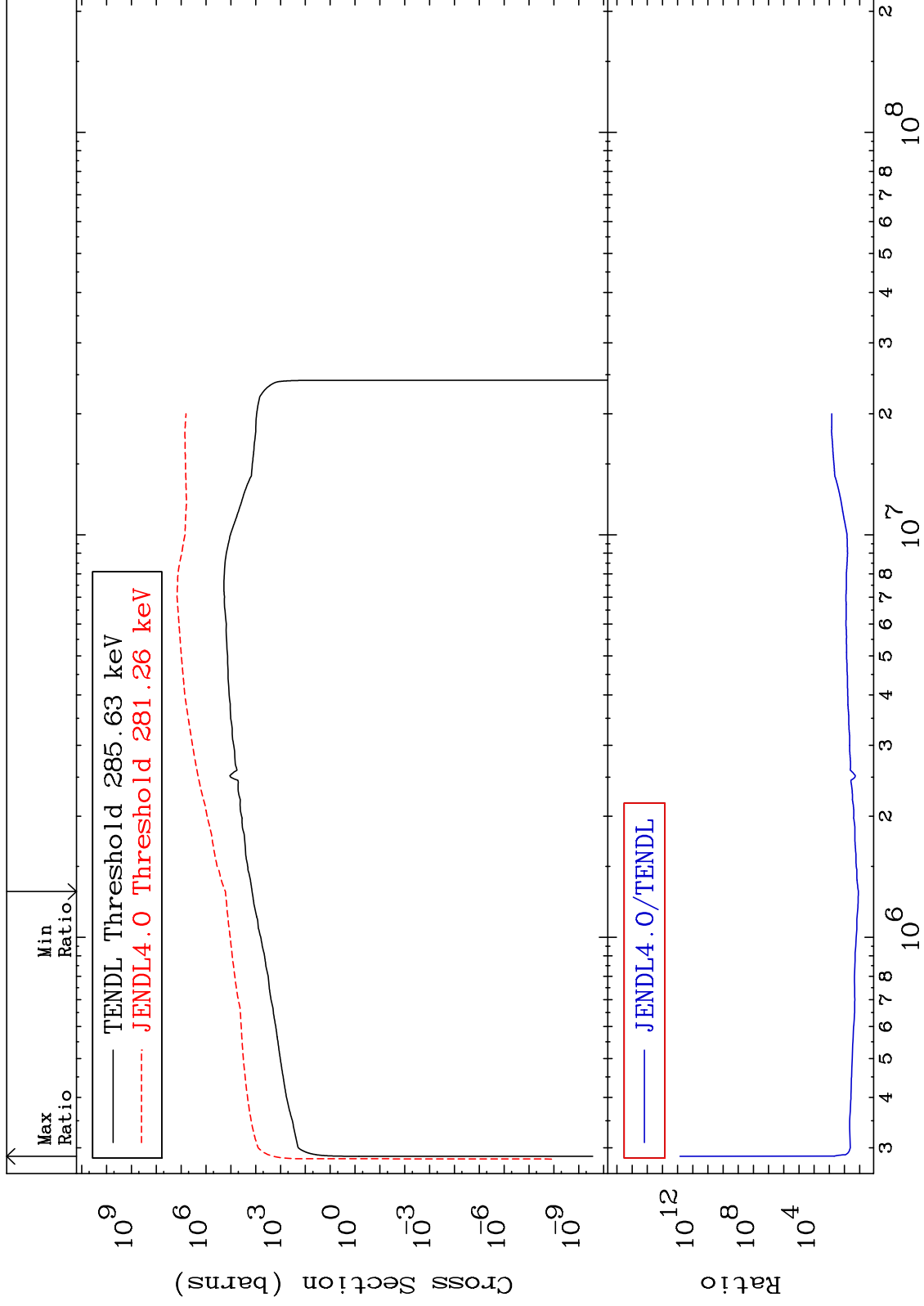
56-Ba-137
1749. To 9999. %



MAT 5646

Kerma inelastic (mt51-91)
Cross Section

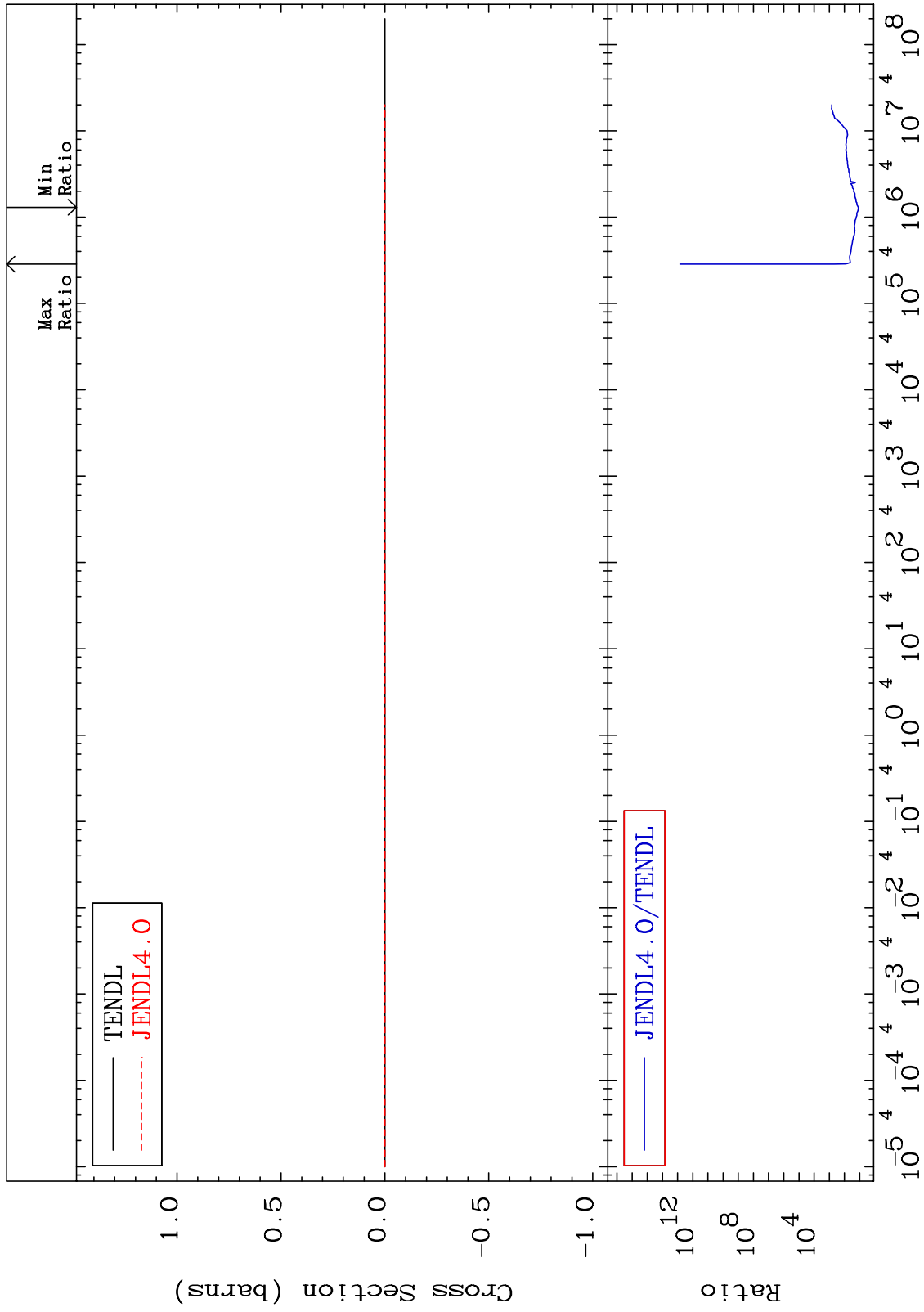
56-Ba-137
1096. To 9999. %



MAT 5646

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

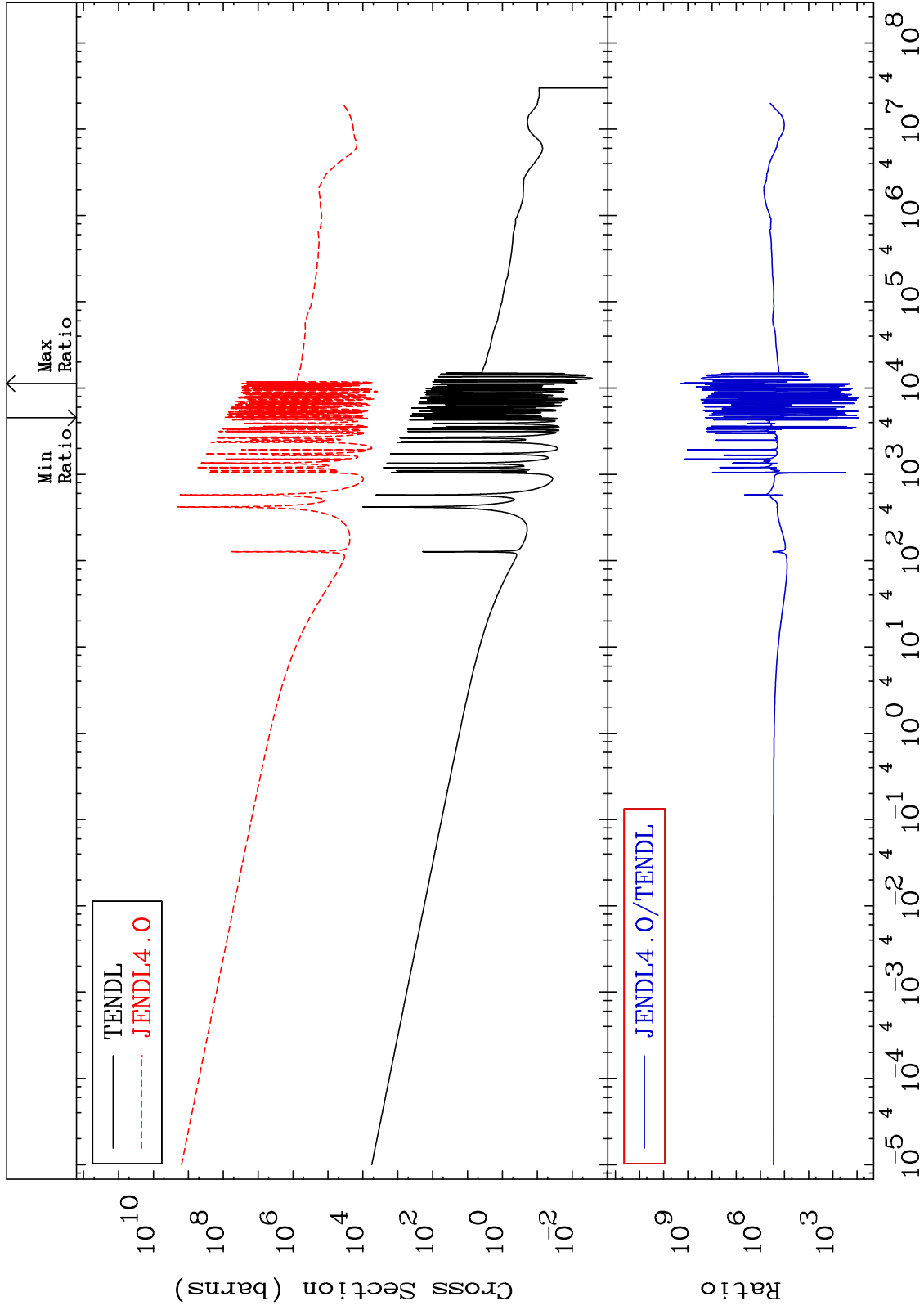
56-Ba-137
1096. To 9999. %



MAT 5646

Kerma capture (mt102)
Cross Section

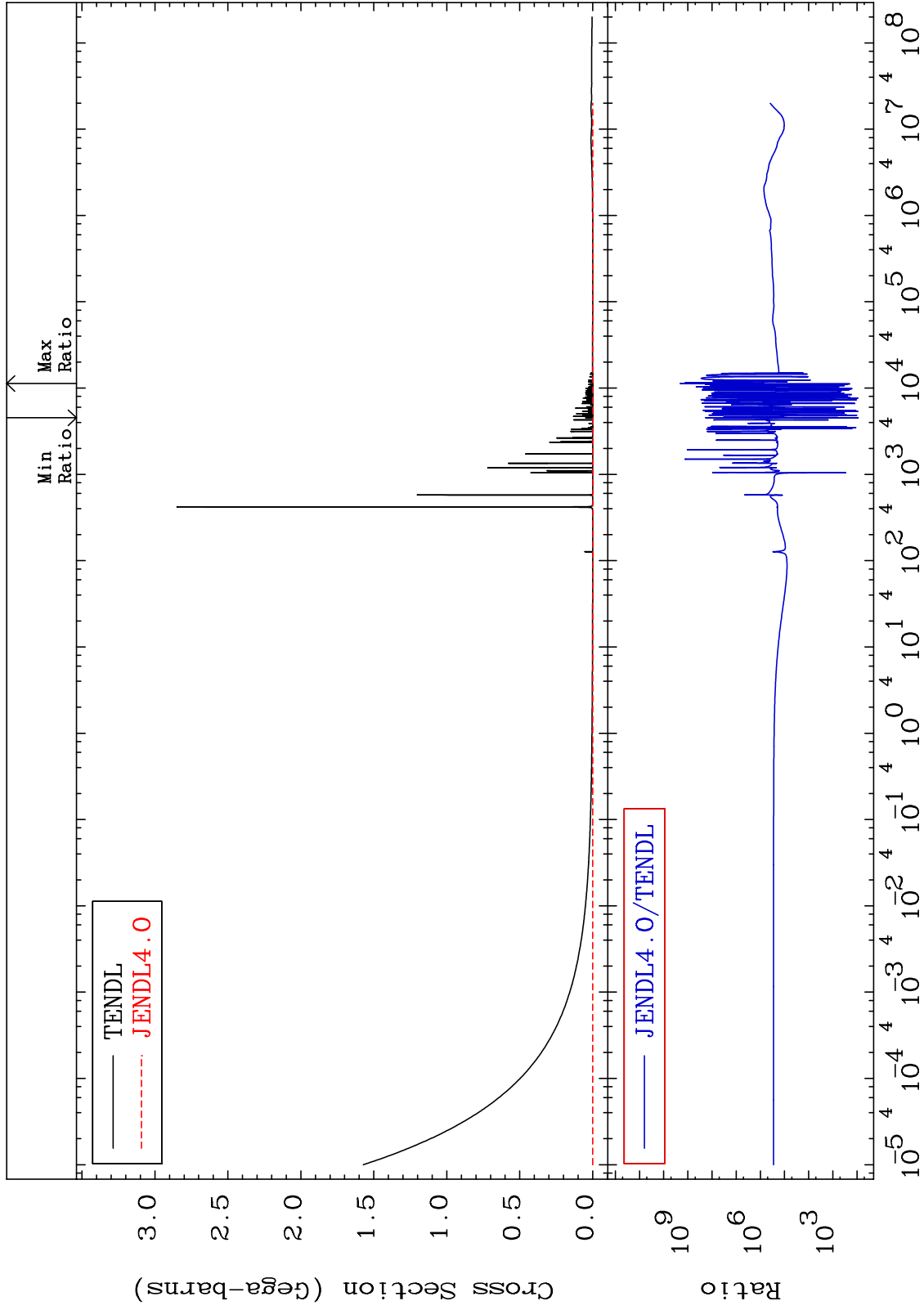
56-Ba-137
8610. To 9999. %



MAT 5646

Total photon (eV-barns)
Cross Section

56-Ba-137
8610. To 9999. %

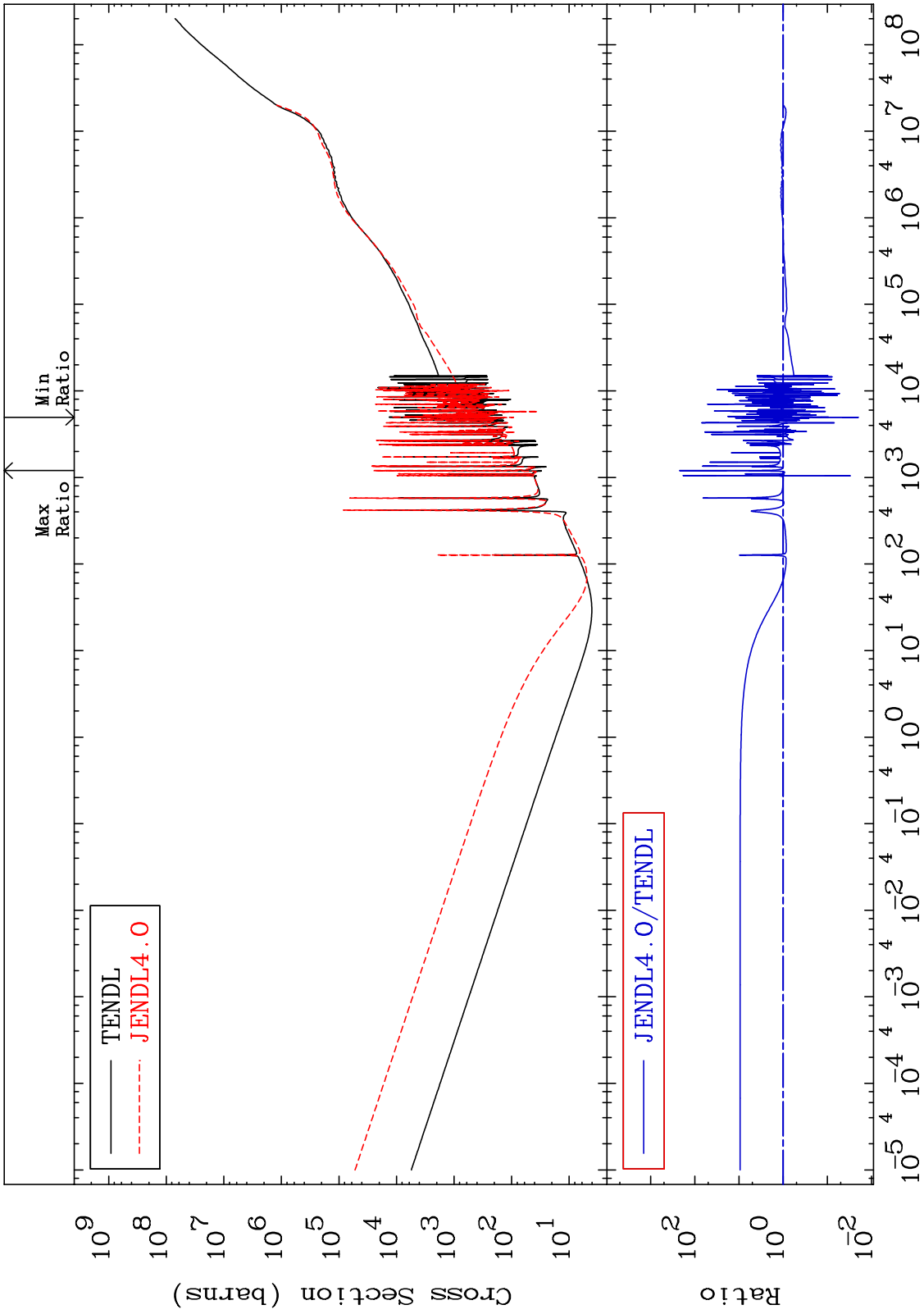


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Incident Energy (eV)

56-Ba-137

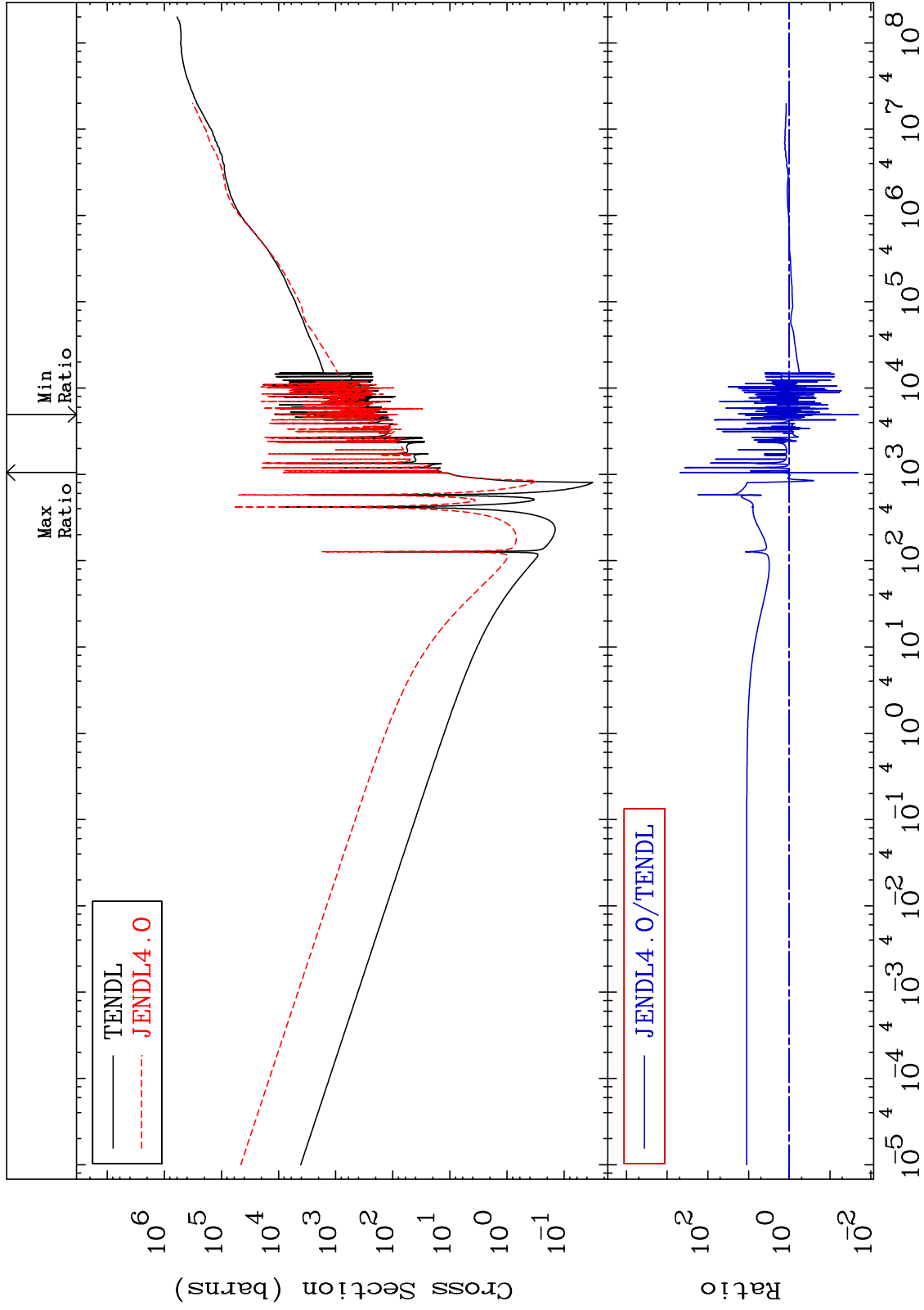
MAT 5646 Total kinematic kerma (high limit) 56-Ba-137
 Cross Section -98.00 To 9999. %



MAT 5646

Dpa total (eV-barns)
Cross Section

56-Ba-137
-97.99 To 9999. %



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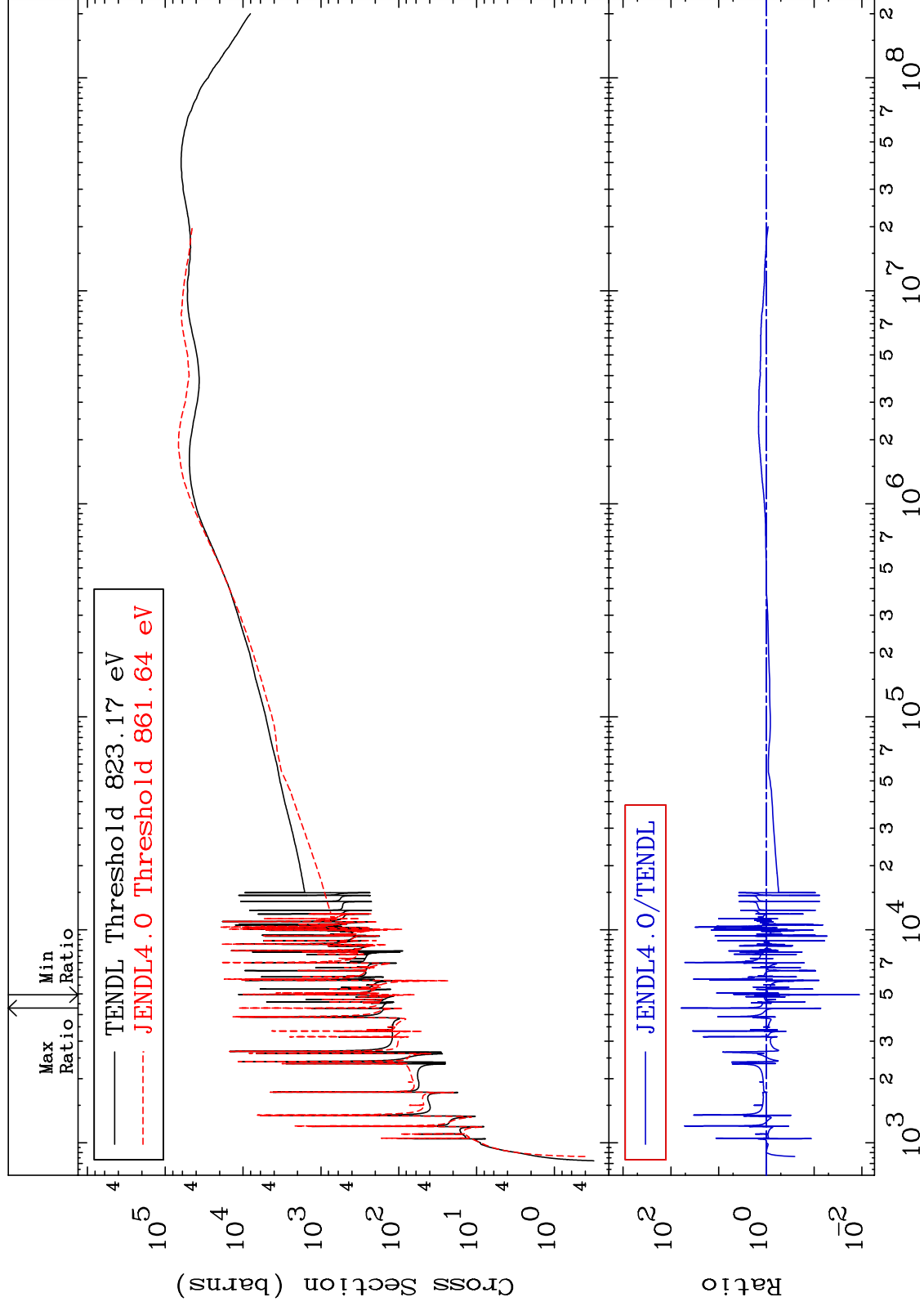
Incident Energy (eV)

56-Ba-137

MAT 5646

Dpa elastic (mt2)
Cross Section

56-Ba-137
-98.87 To 6022. %



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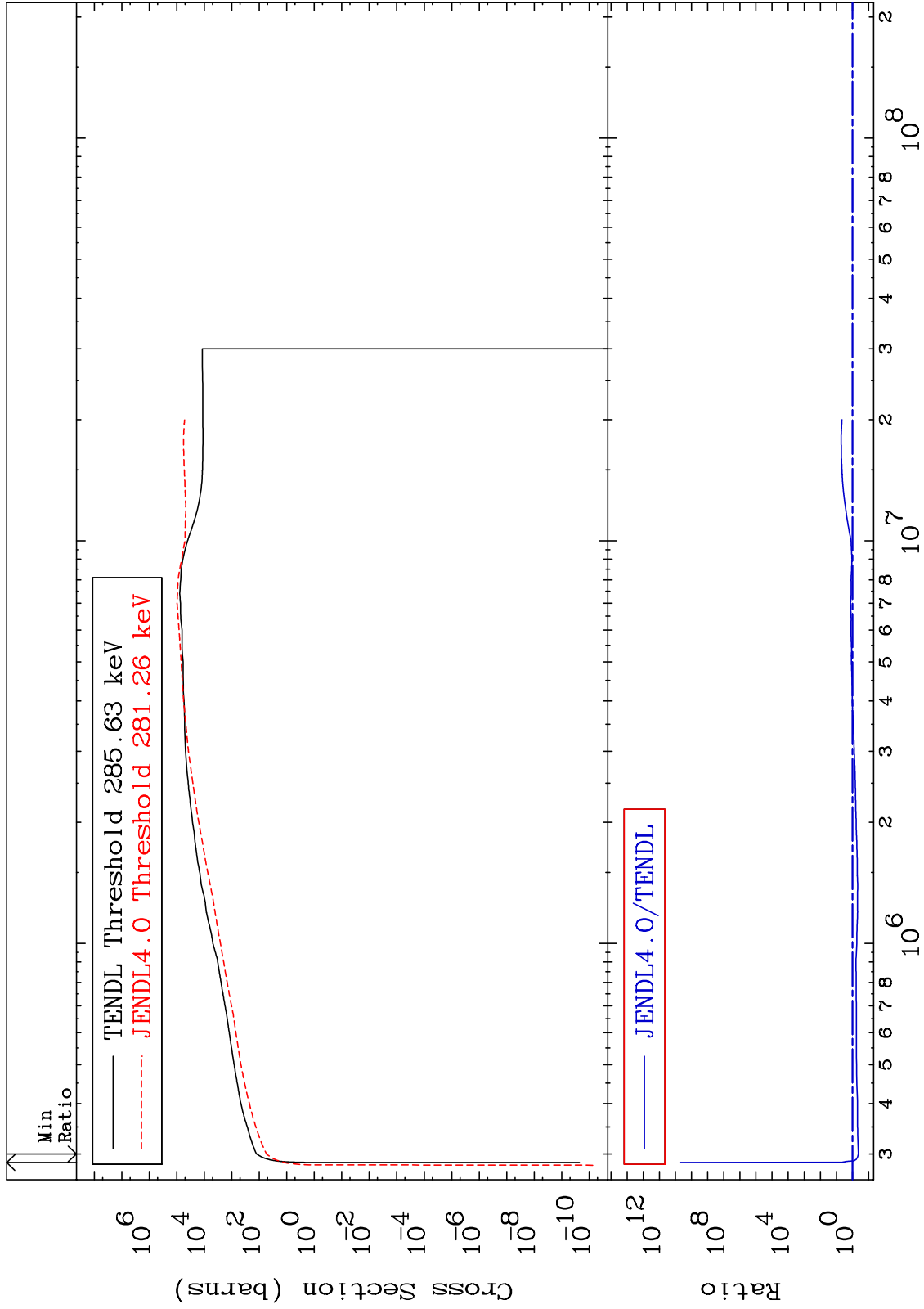
Incident Energy (eV)

56-Ba-137

MAT 5646

Dpa inelastic (mt51-91)
Cross Section

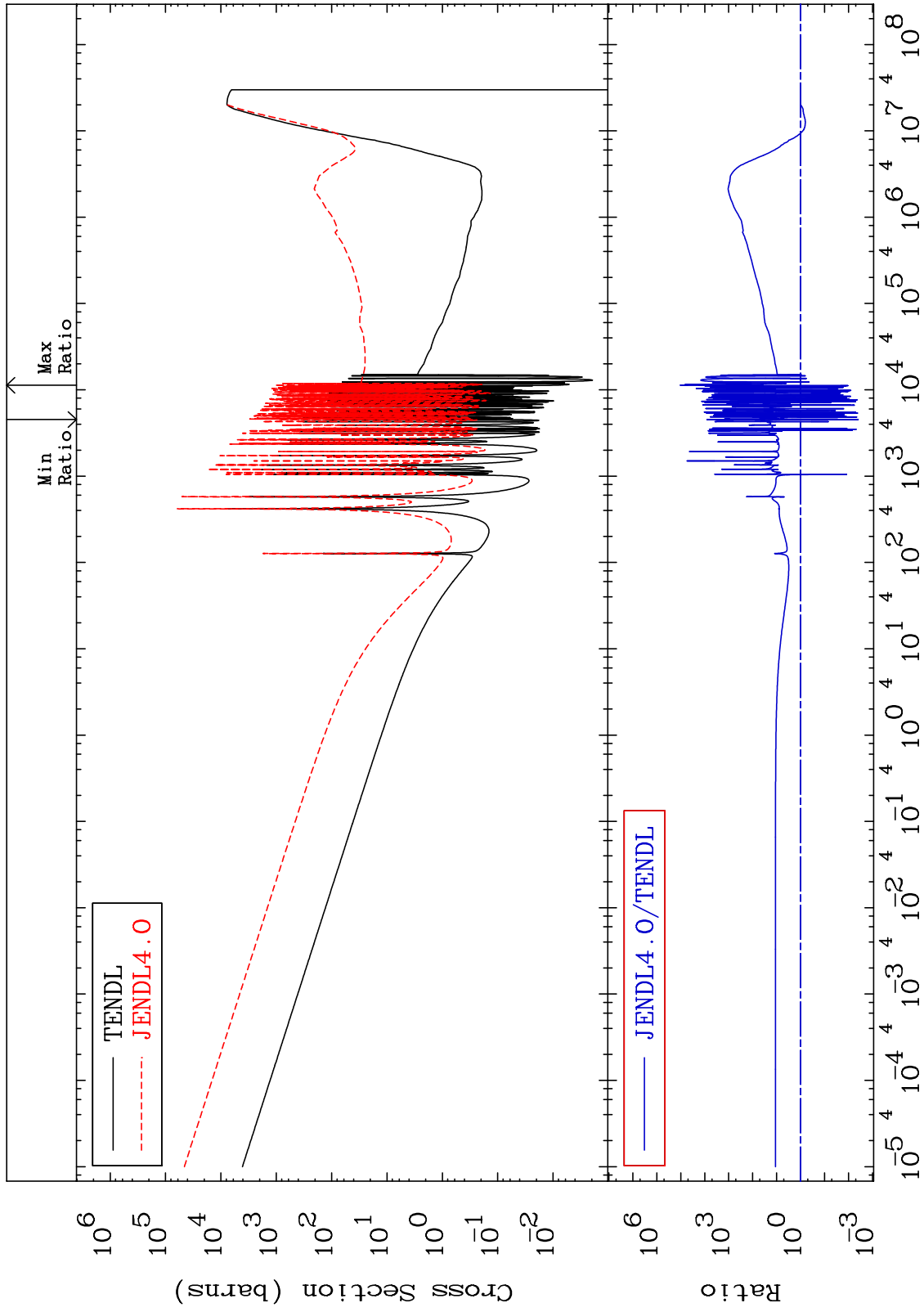
56-Ba-137
-56.79 To 9999. %



MAT 5646

Dpa disappearance (mt102 -120)
Cross Section

56-Ba-137
-99.62 To 9999. %



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Incident Energy (eV)

56-Ba-137