

Program Complot
(Version 2018-1)

by

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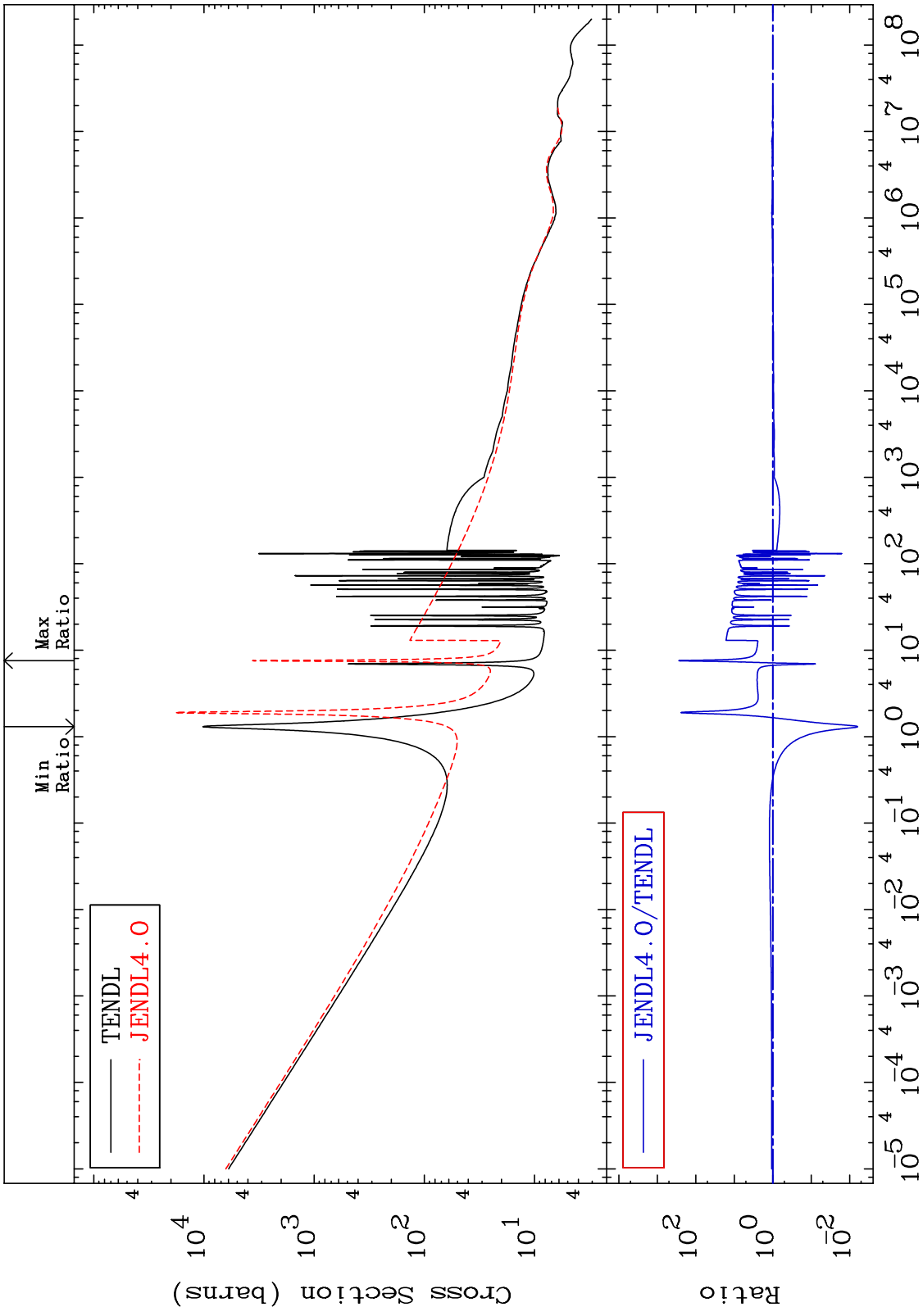
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Press Mouse Button to Start

MAT 9028 90-Th-228 -99.39 To 9999. % Total Cross Section



90-Th-228 Incident Energy (eV)

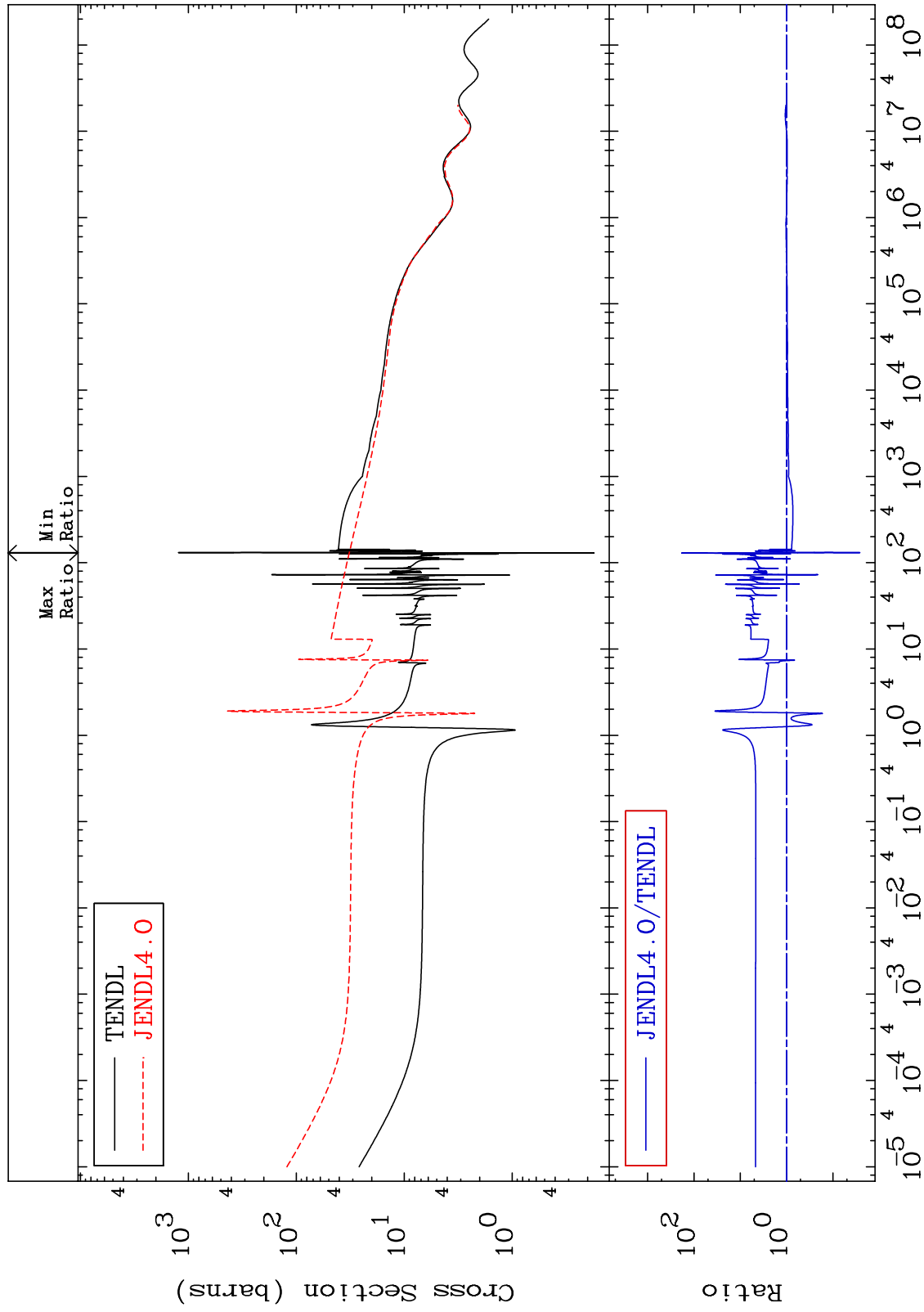
MAT 9028

Elastic

90-Th-228

Cross Section

-97.38 To 9999. %

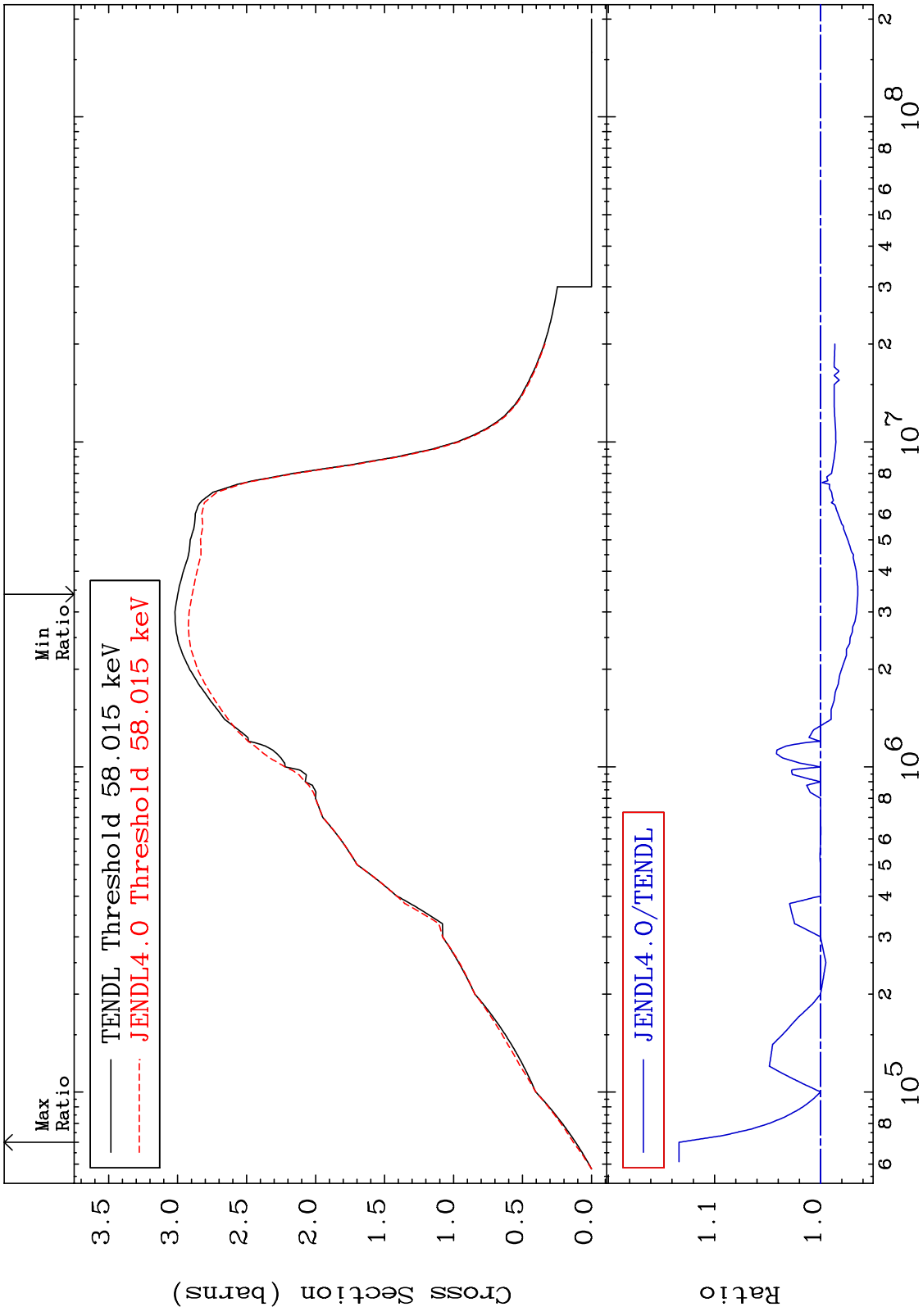


2

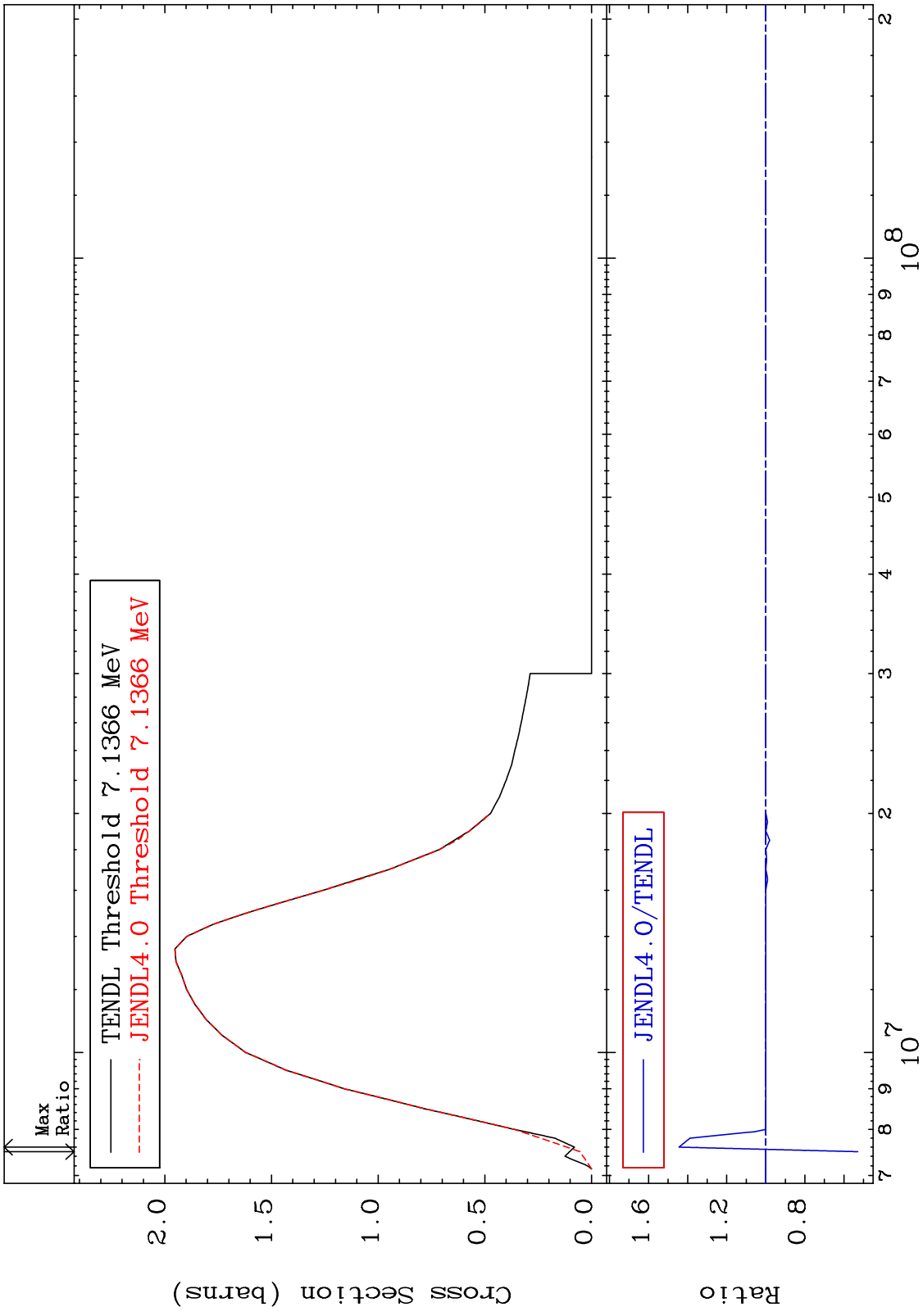
Incident Energy (eV)

90-Th-228

MAT 9028 Inelastic Cross Section 90-Th-228 -3.517 To 13.34 %

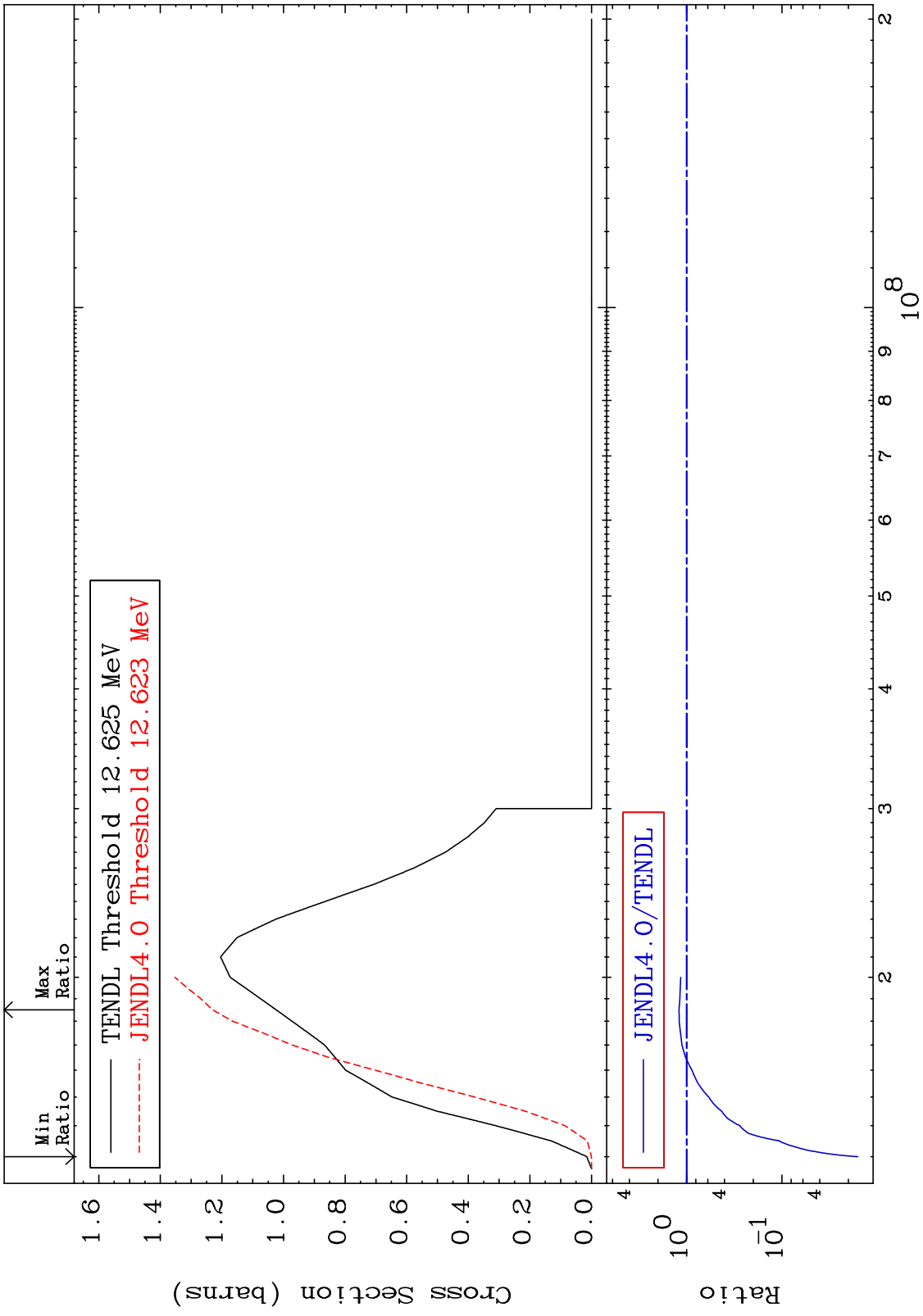


MAT 9028 (n,2n) Cross Section 90-Th-228 -47.09 To 44.38 %



4 90-Th-228

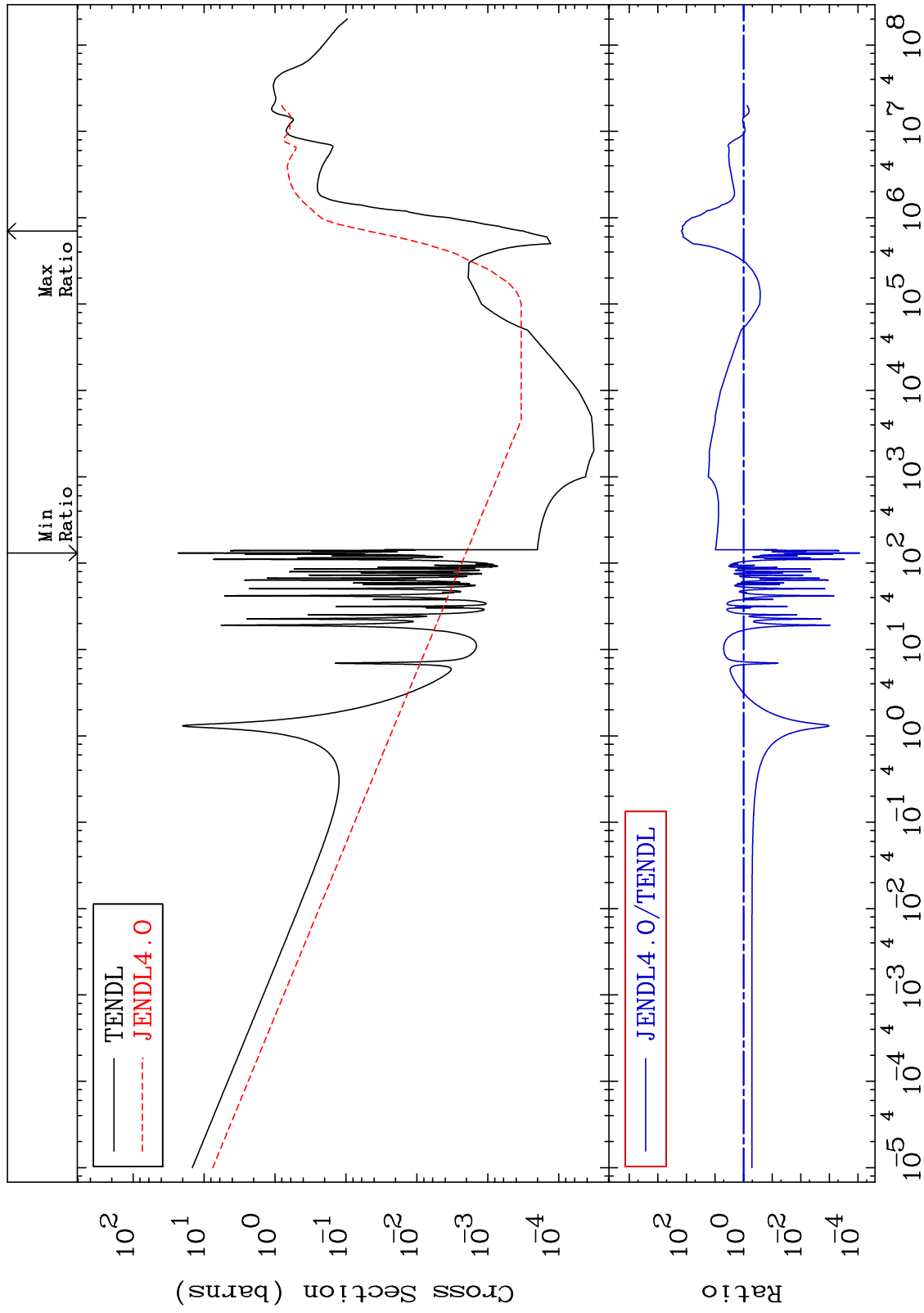
MAT 9028 (n,3n) 90-Th-228
 Cross Section -98.41 To 20.18 %



MAT 9028

Fission Cross Section

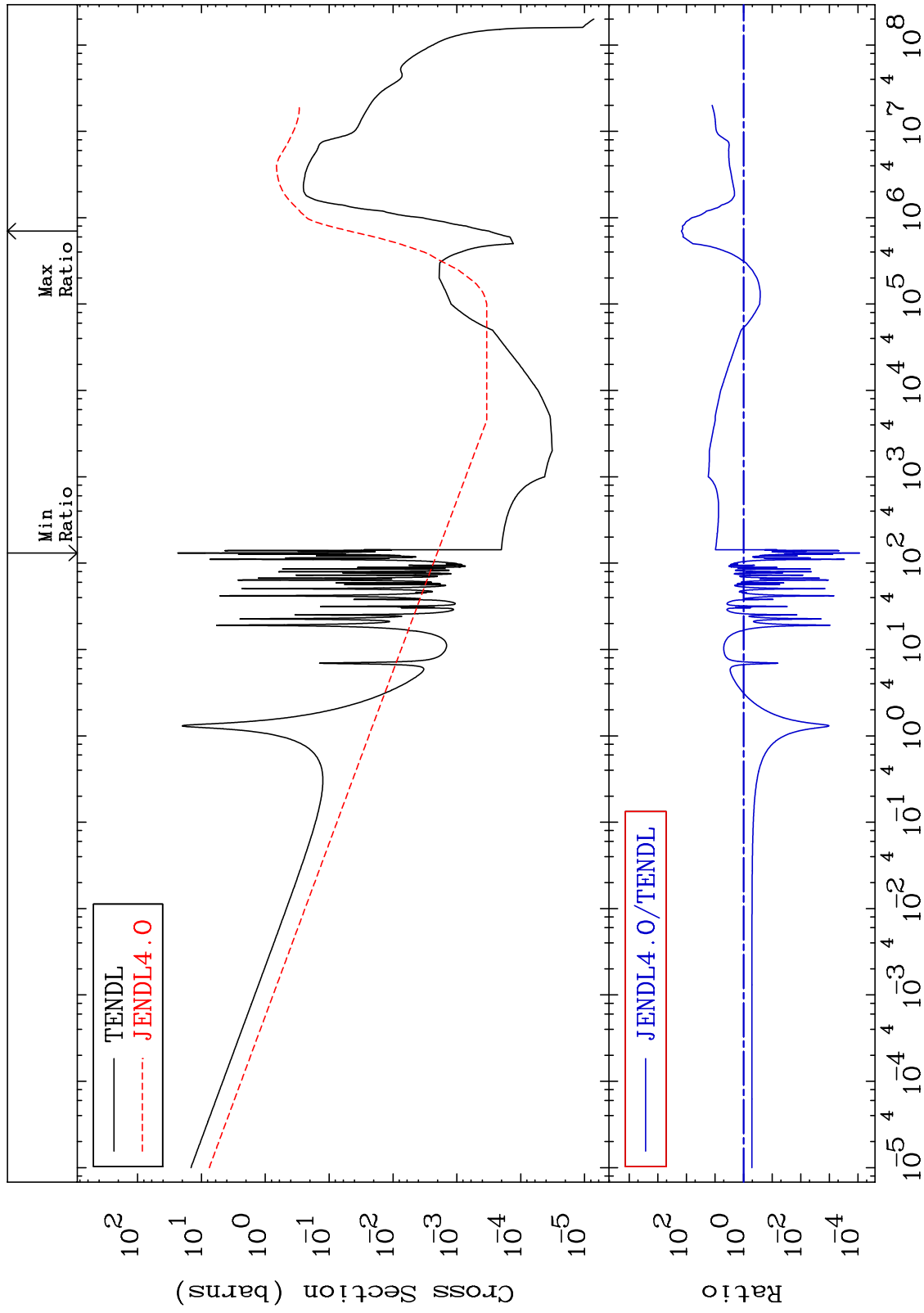
90-Th-228
-99.99 To 9999. %



MAT 9028

(n,f) First Chance
Cross Section

90-Th-228
-99.99 To 9999. %

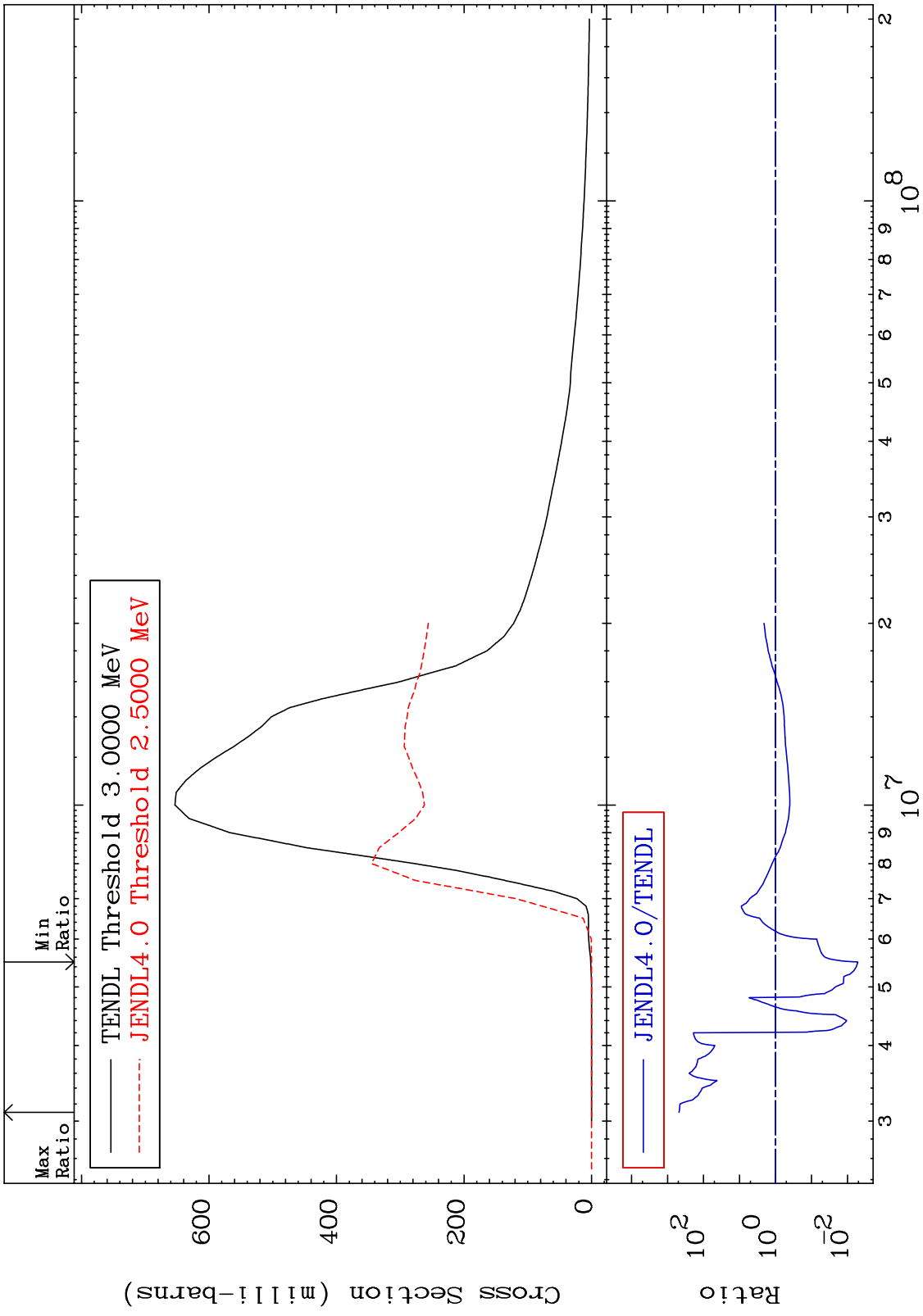


7

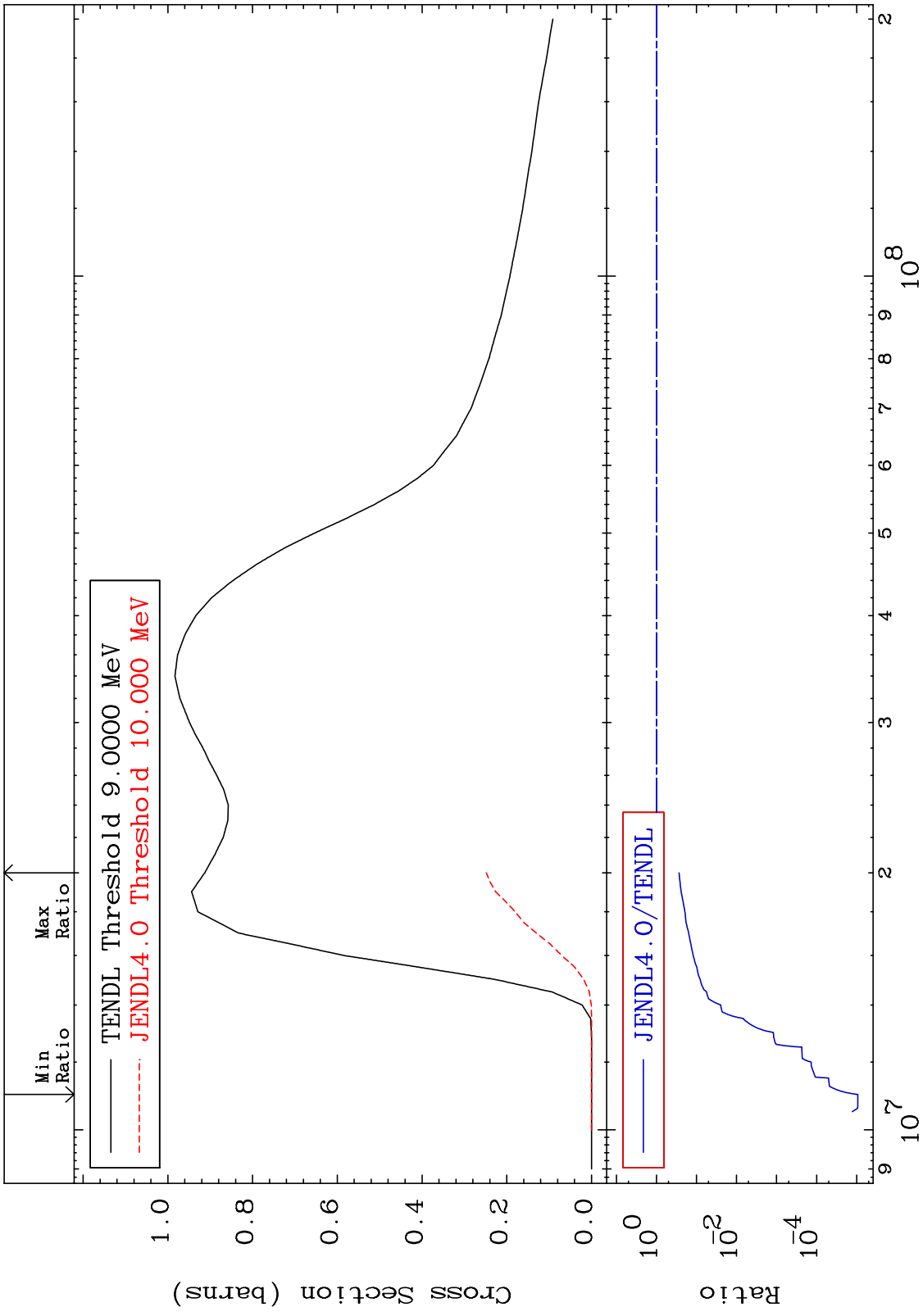
Incident Energy (eV)

90-Th-228

MAT 9028 (n,nf) Second Chance Cross Section 90-Th-228 -99.48 To 9999. %



MAT 9028 (n,2nf) Third Chance Cross Section 90-Th-228 -100.0 To -72.79%

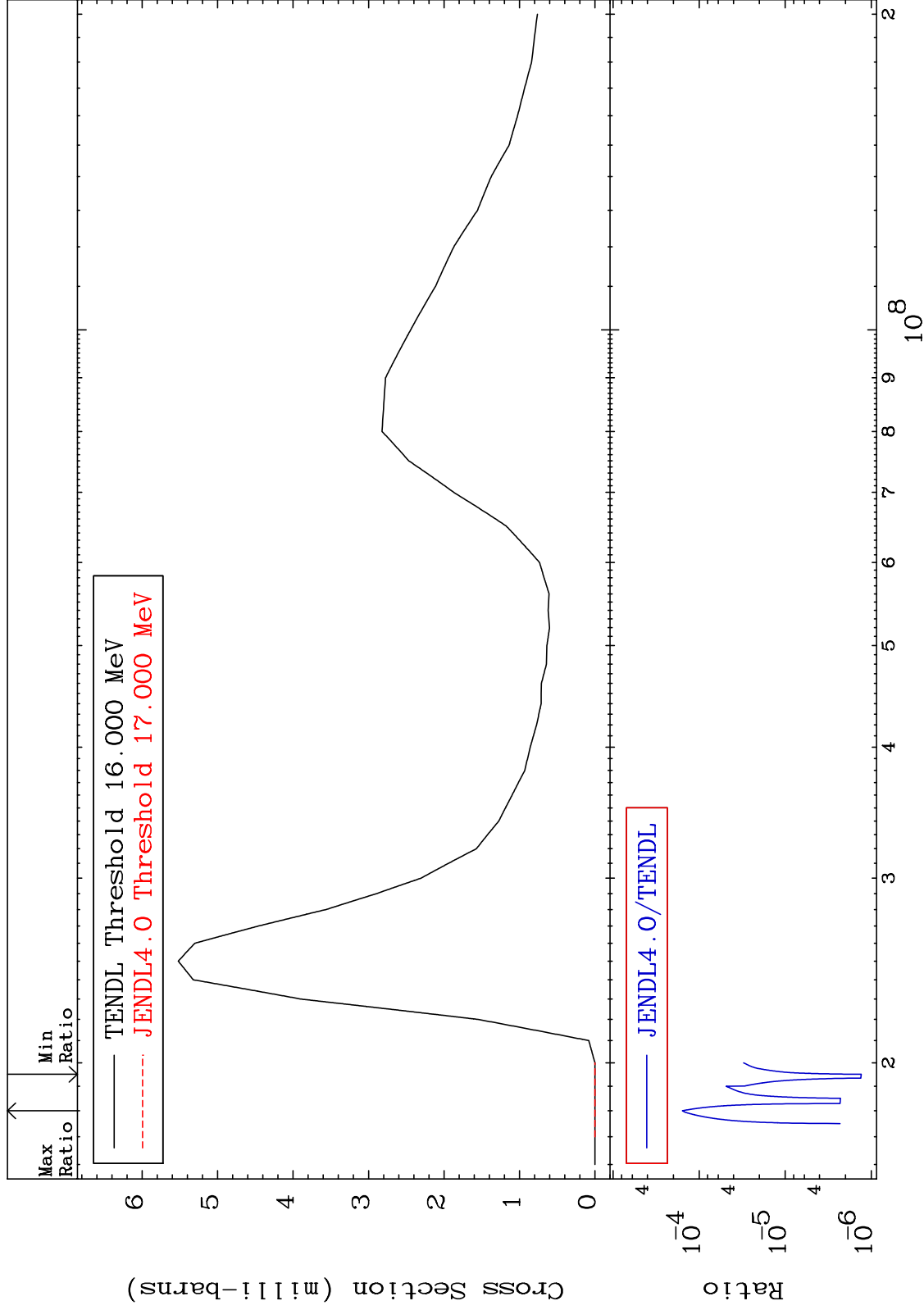


90-Th-228 Incident Energy (eV)

MAT 9028

(n,3nf) Fourth Chance
Cross Section

90-Th-228
-100.0 To -99.98%

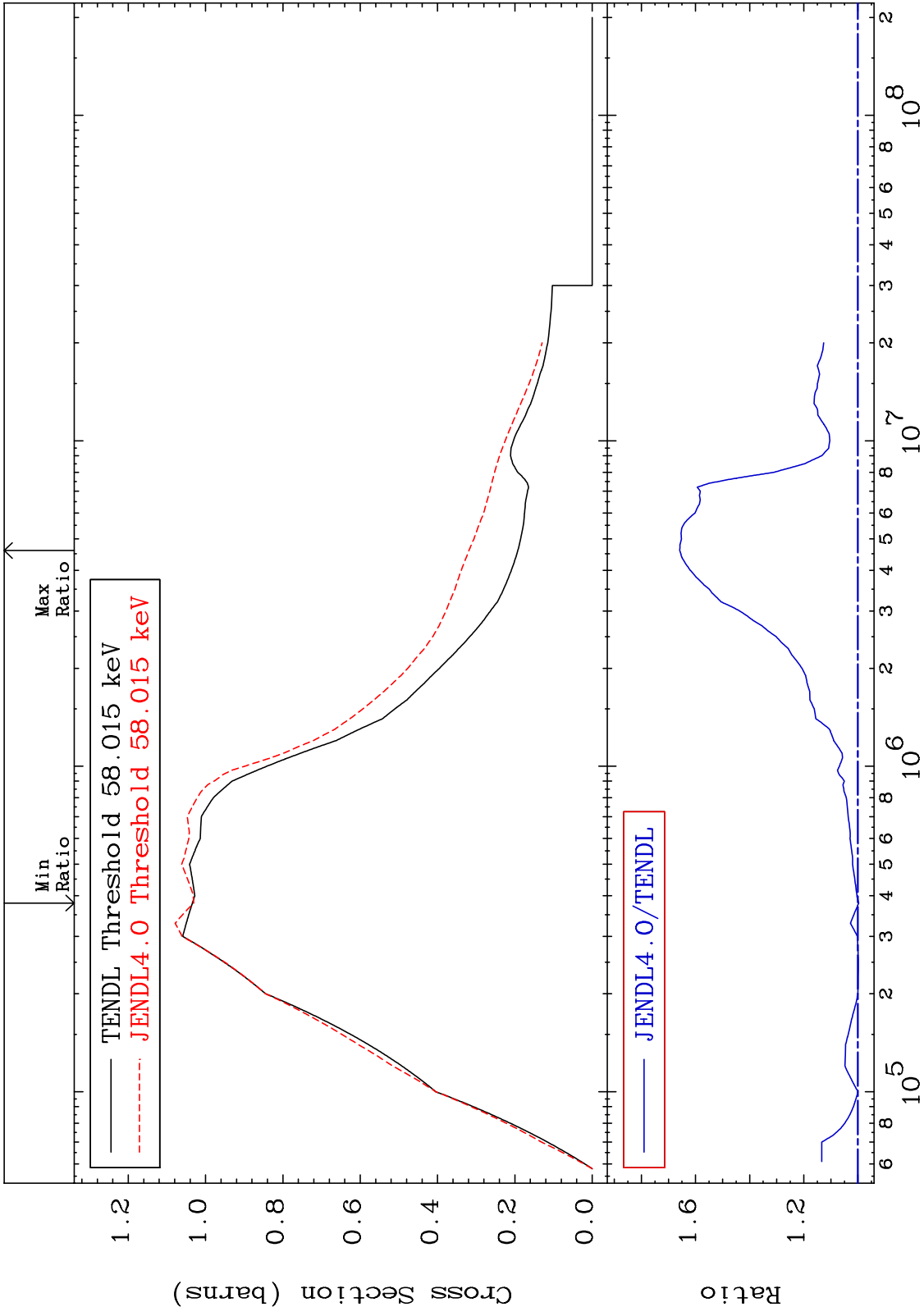


10

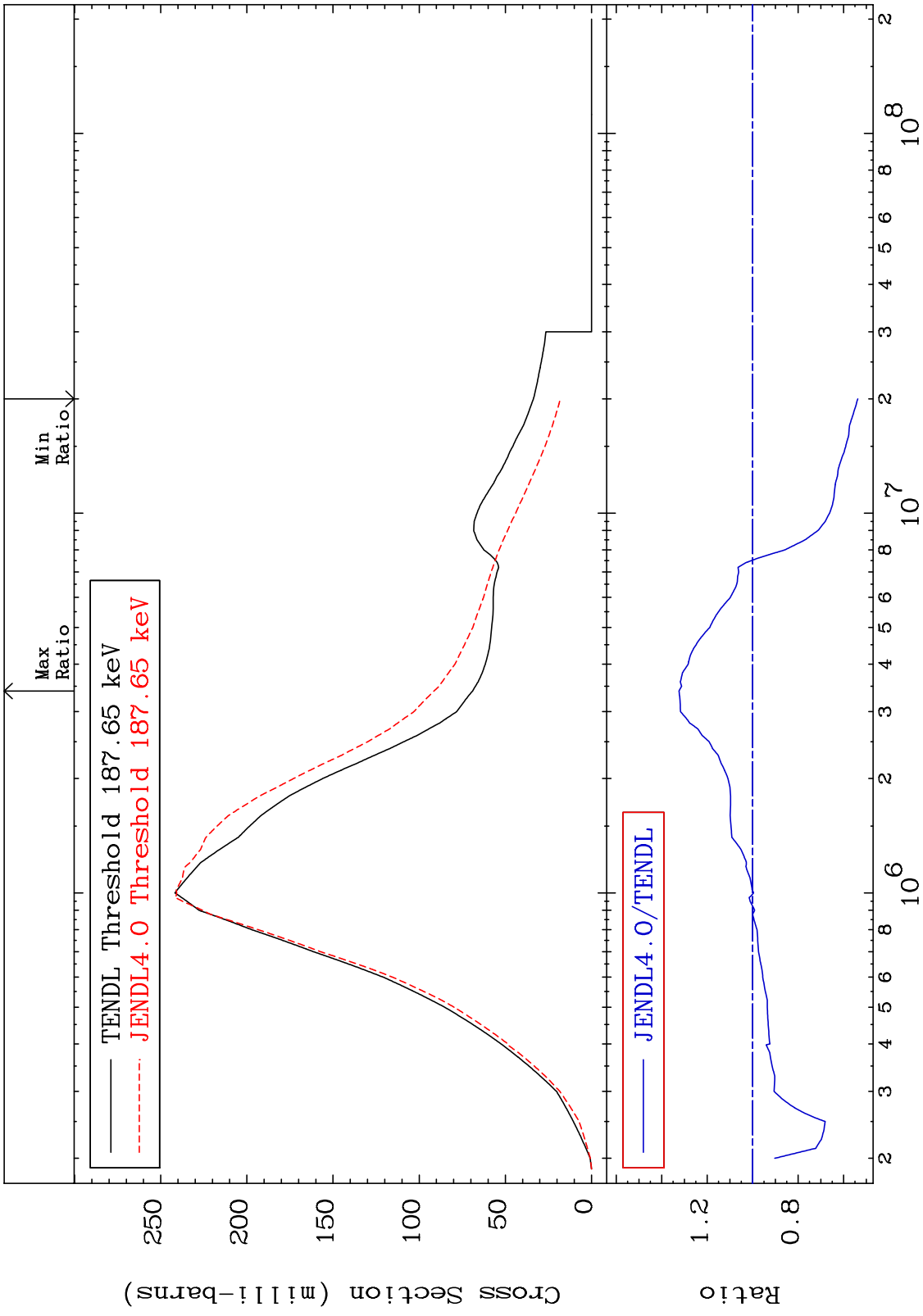
Incident Energy (eV)

90-Th-228

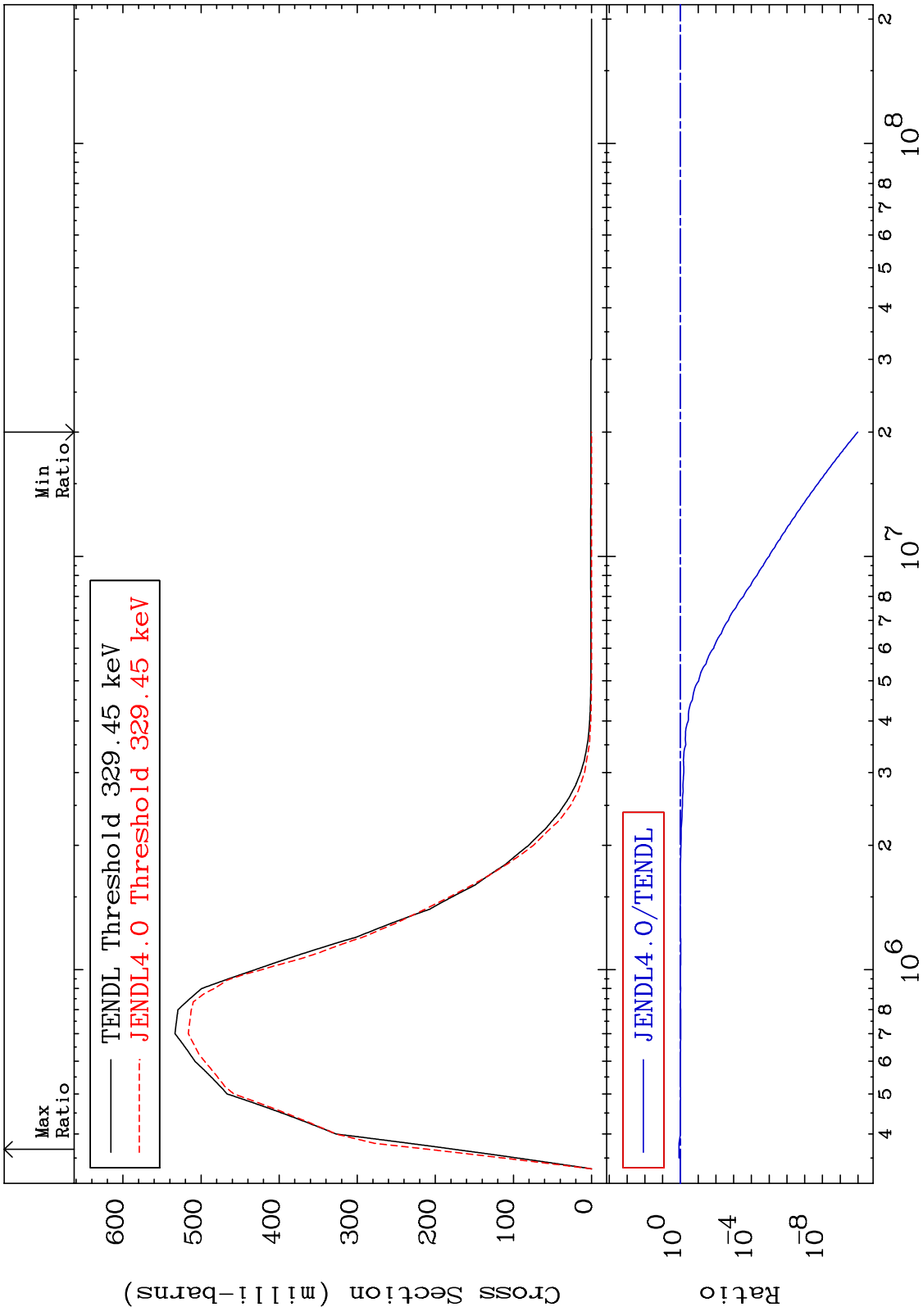
MAT 9028 MT= 51 (n,n') Level 90-Th-228
Cross Section -0.313 To 65.82 %



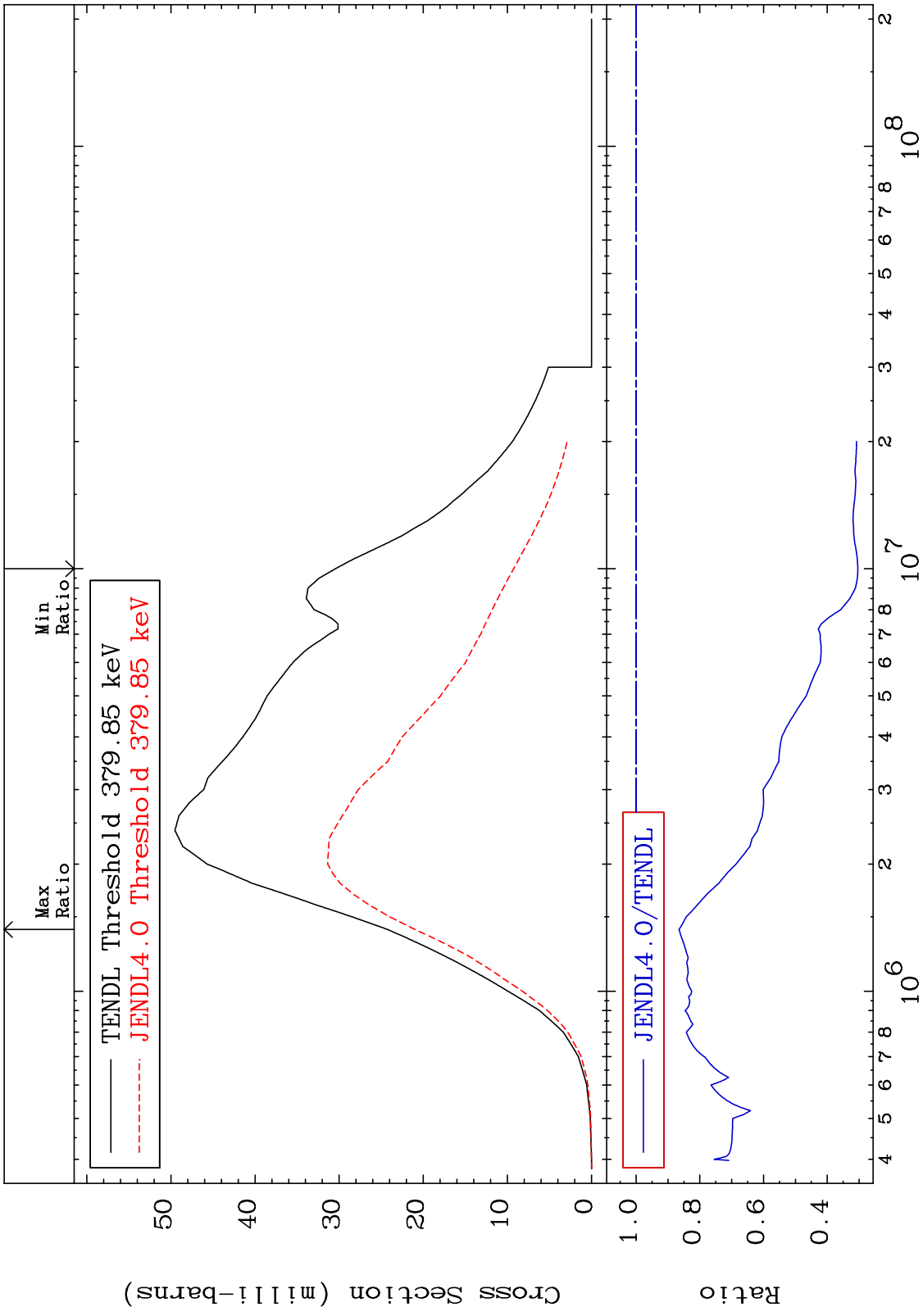
MAT 9028 MT= 52 (n,n') Level Cross Section 90-Th-228
 -46.24 To 32.38 %



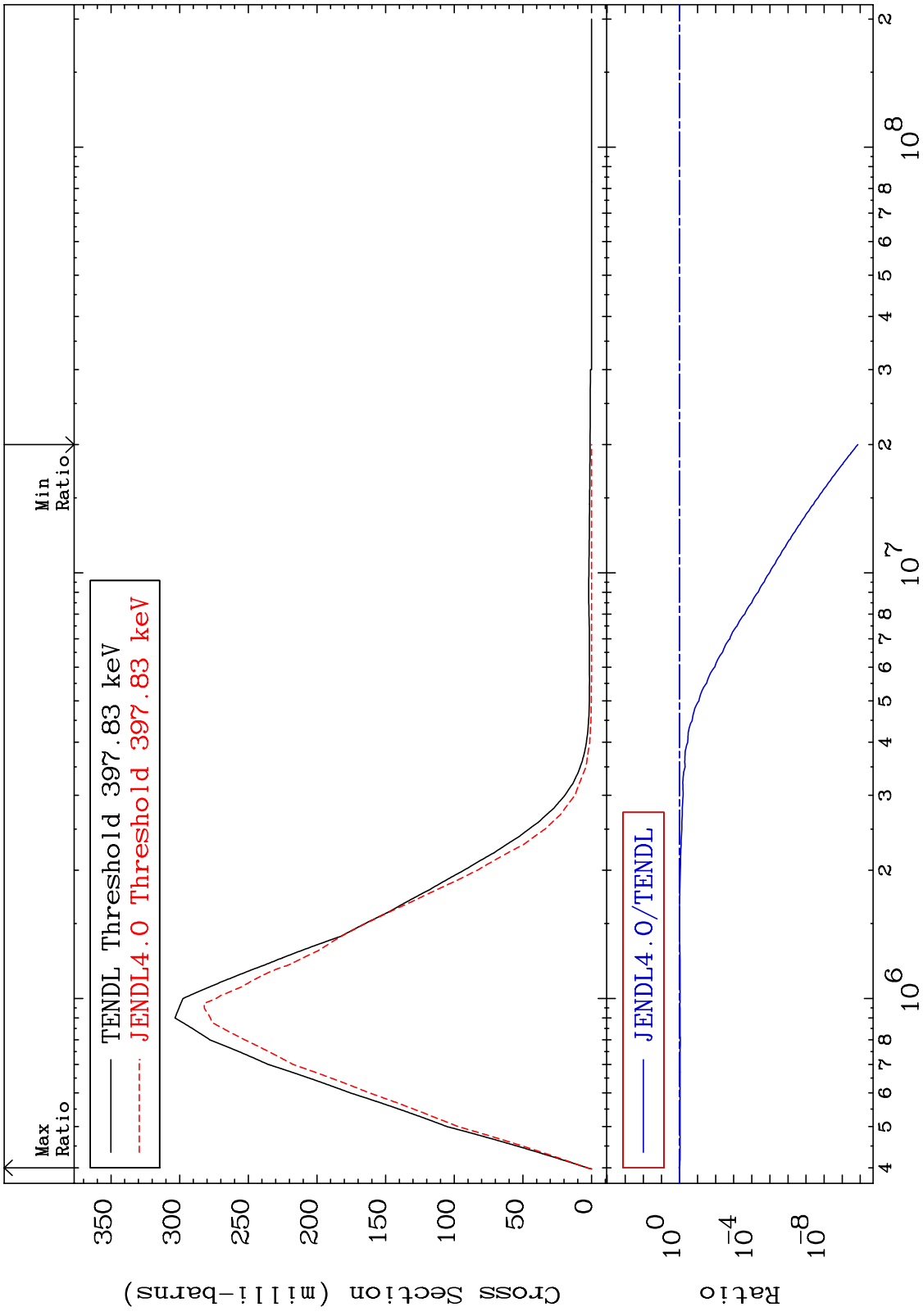
MAT 9028 MT= 53 (n,n') Level Cross Section -100.0 To 19.01 % 90-Th-228



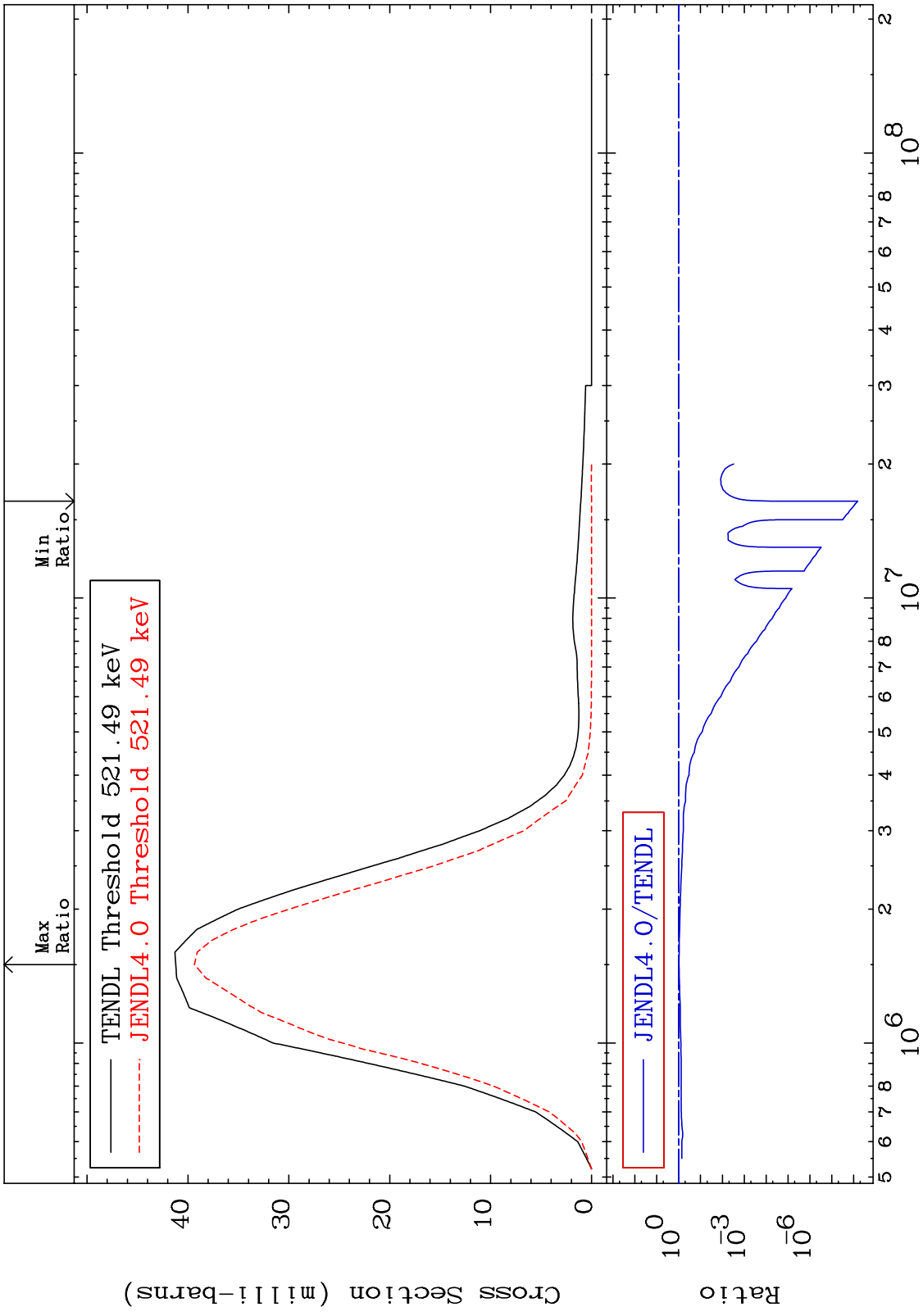
MAT 9028 MT= 54 (n,n') Level Cross Section 90-Th-228 -69.61 To -13.47%



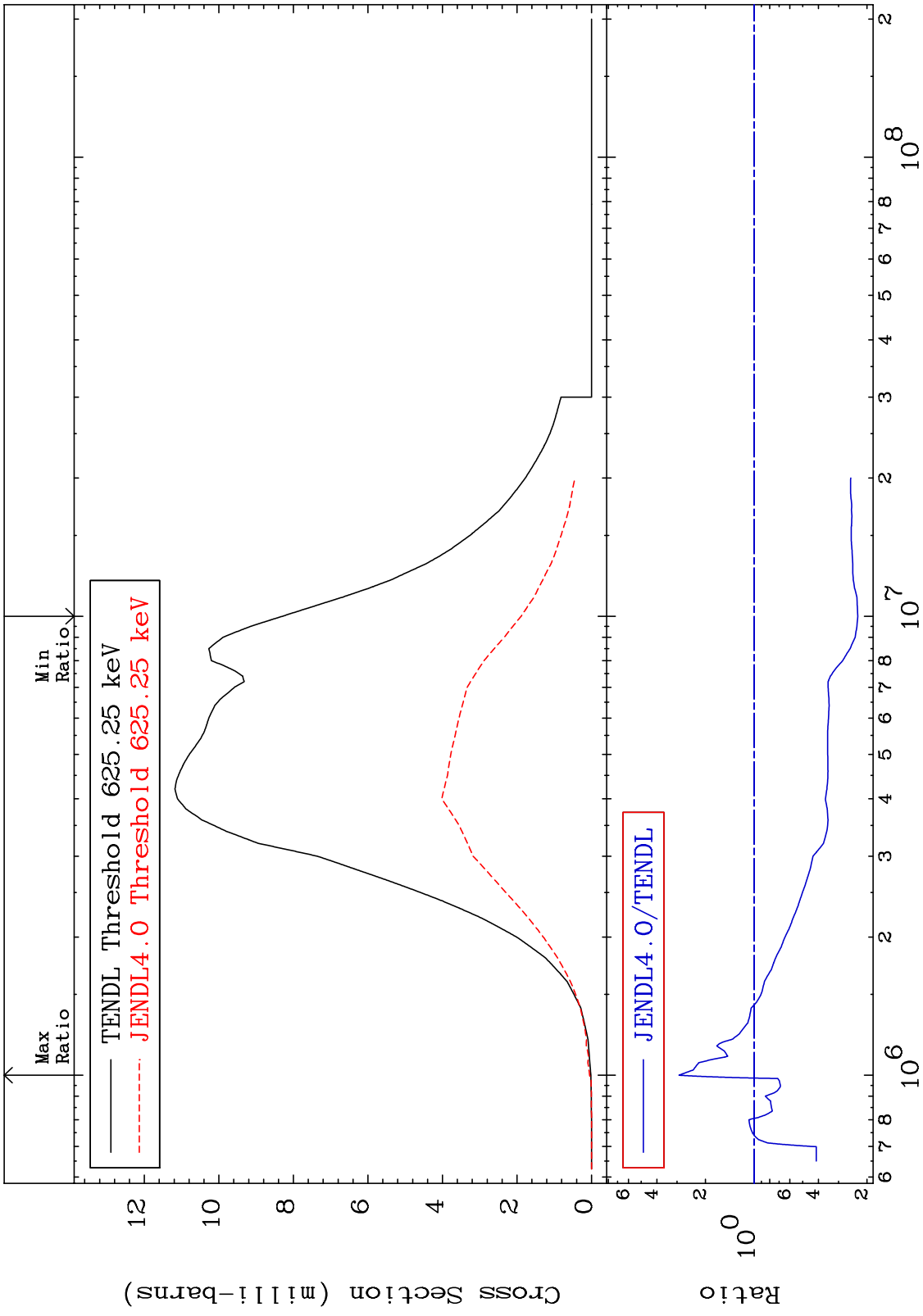
MAT 9028 MT= 55 (n,n') Level Cross Section -100.0 To 5.472 % 90-Th-228



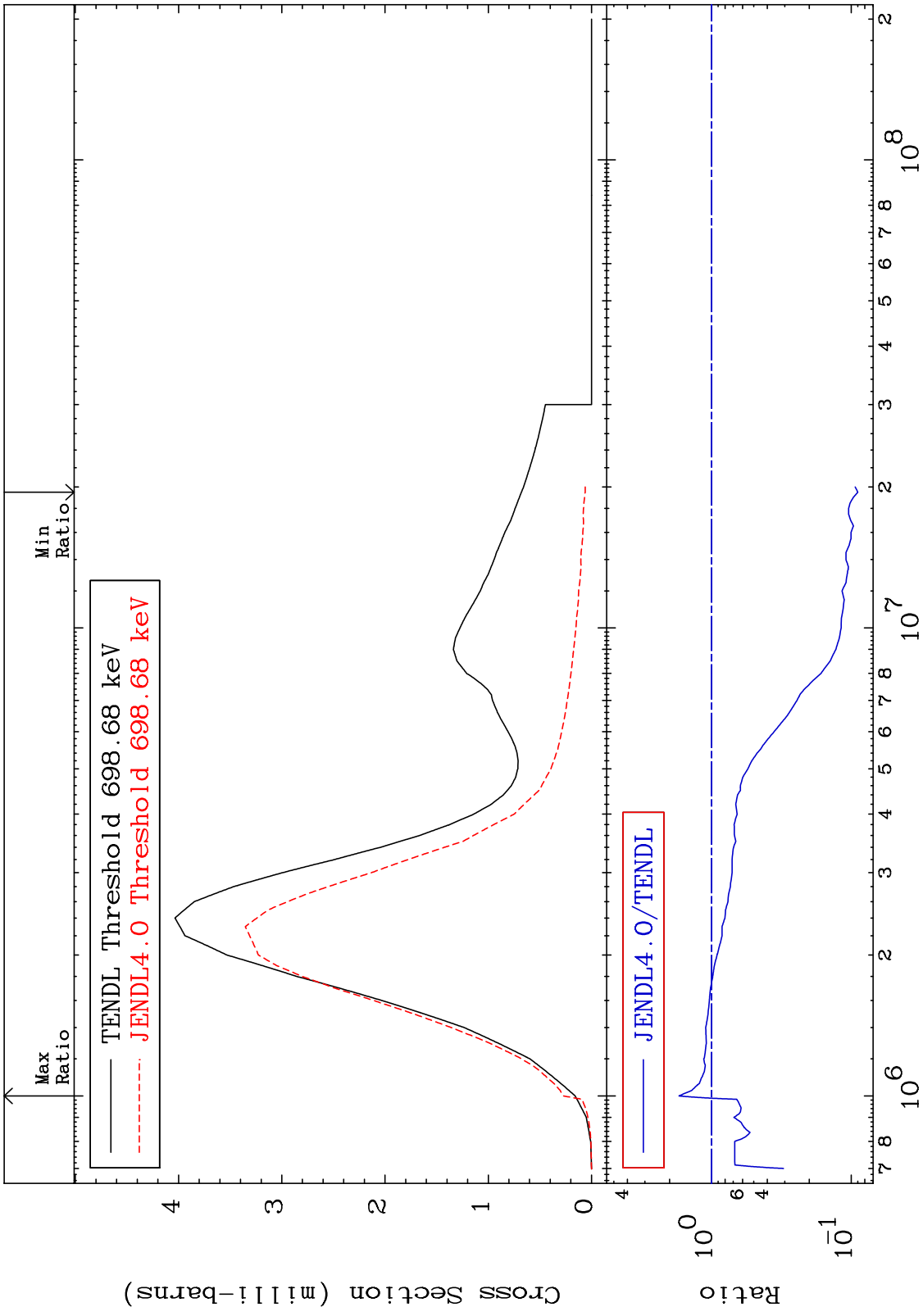
MAT 9028 MT= 56 (n,n') Level Cross Section -100.0 To -4.493% 90-Th-228



MAT 9028 MT= 57 (n,n') Level Cross Section -77.23 To 191.6 % 90-Th-228



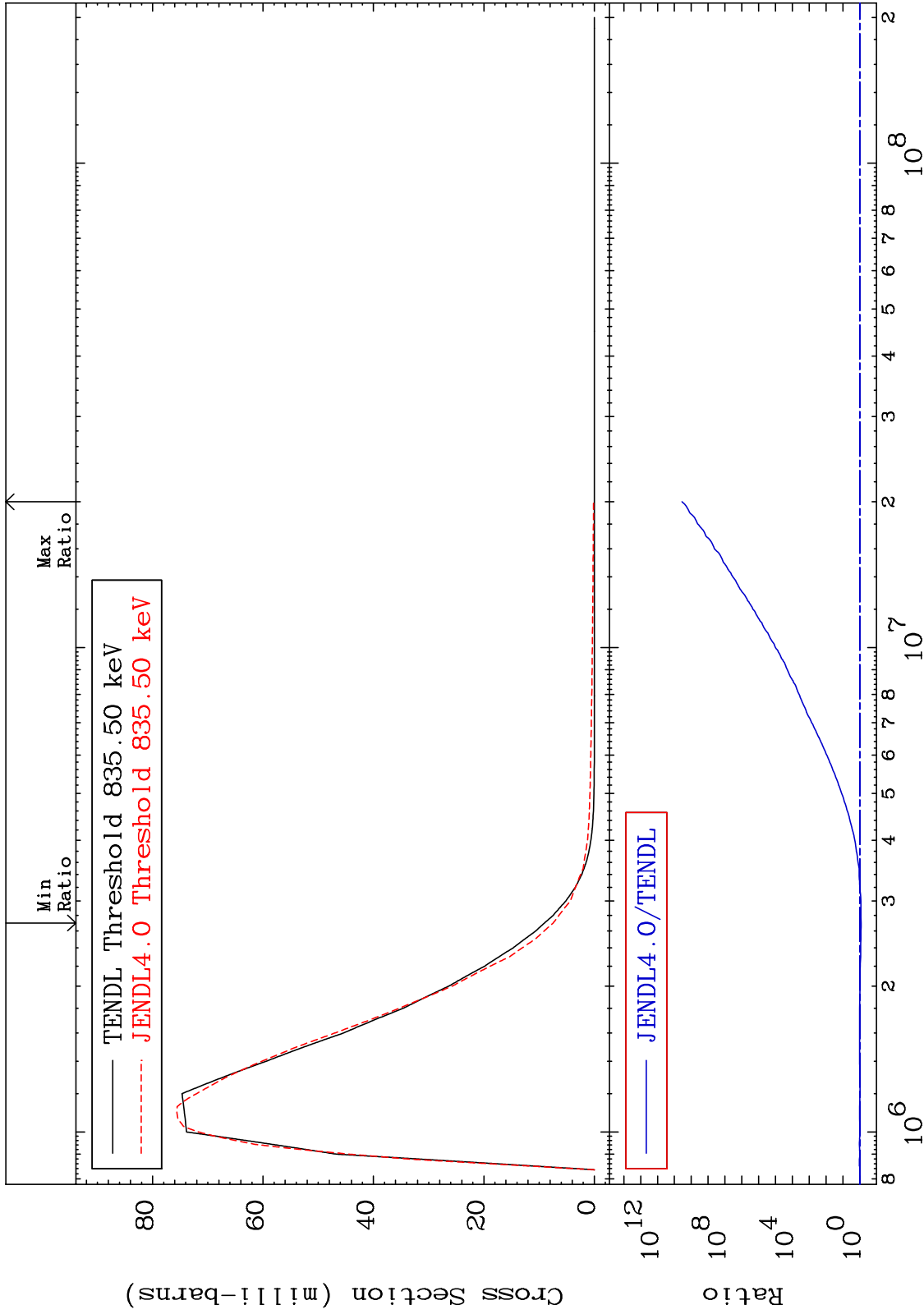
MAT 9028 MT= 58 (n,n') Level Cross Section 90-Th-228 -91.02 To 71.02 %



MAT 9028

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

90-Th-228
-17.59 To 9999. %

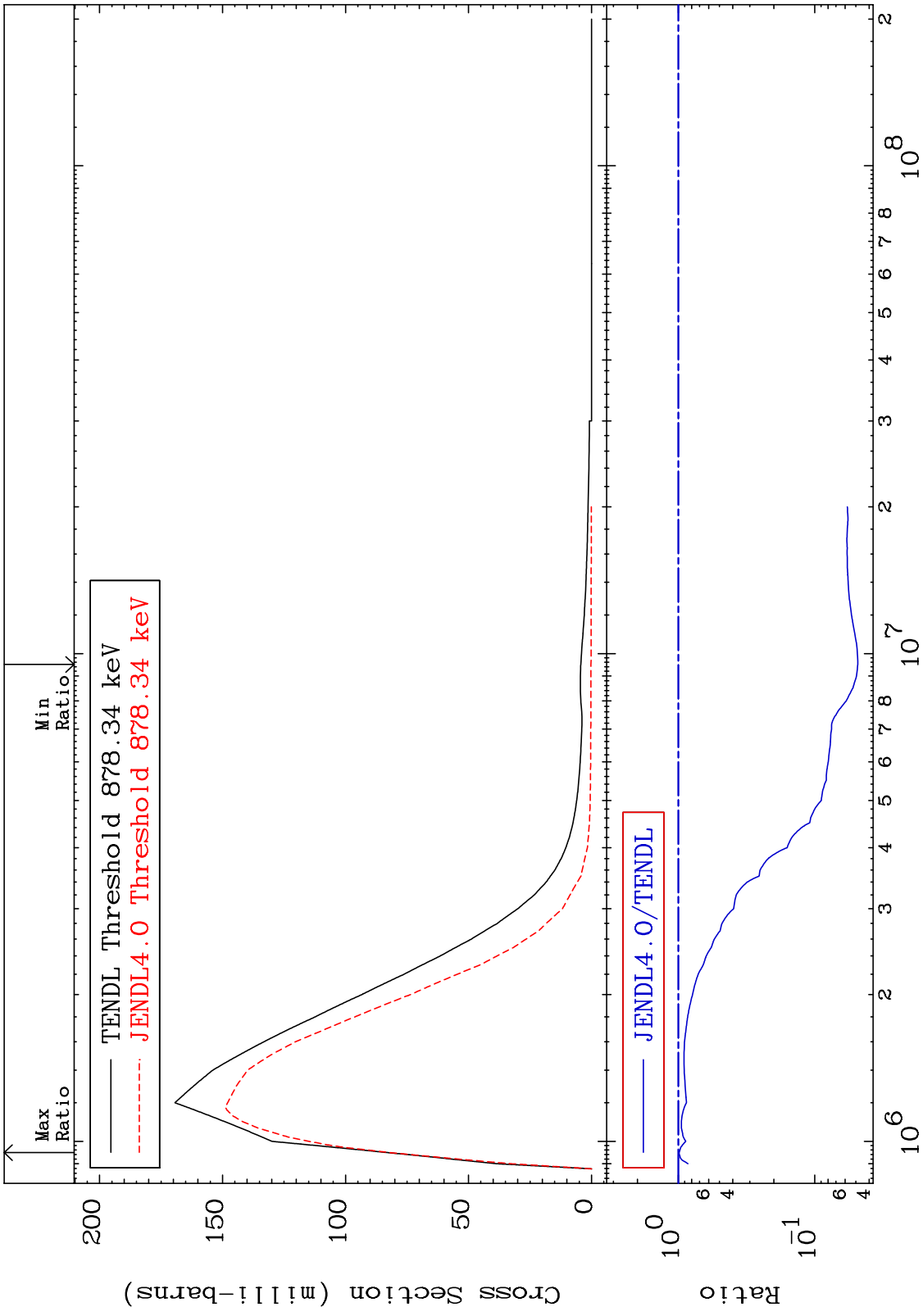


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Incident Energy (eV)

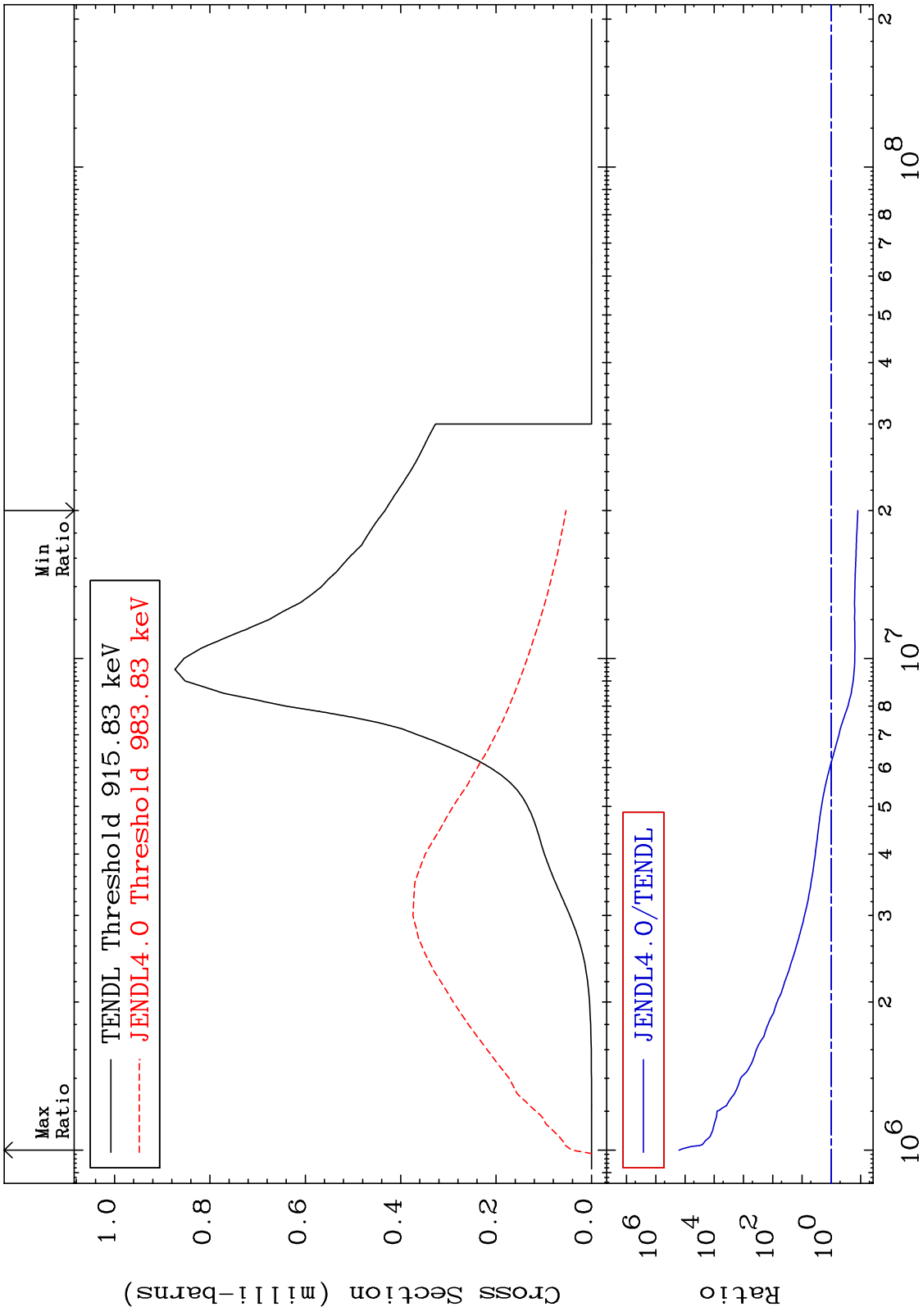
90-Th-228

MAT 9028 MT= 60 (n,n') Level Cross Section 90-Th-228 -95.16 To -1.057%

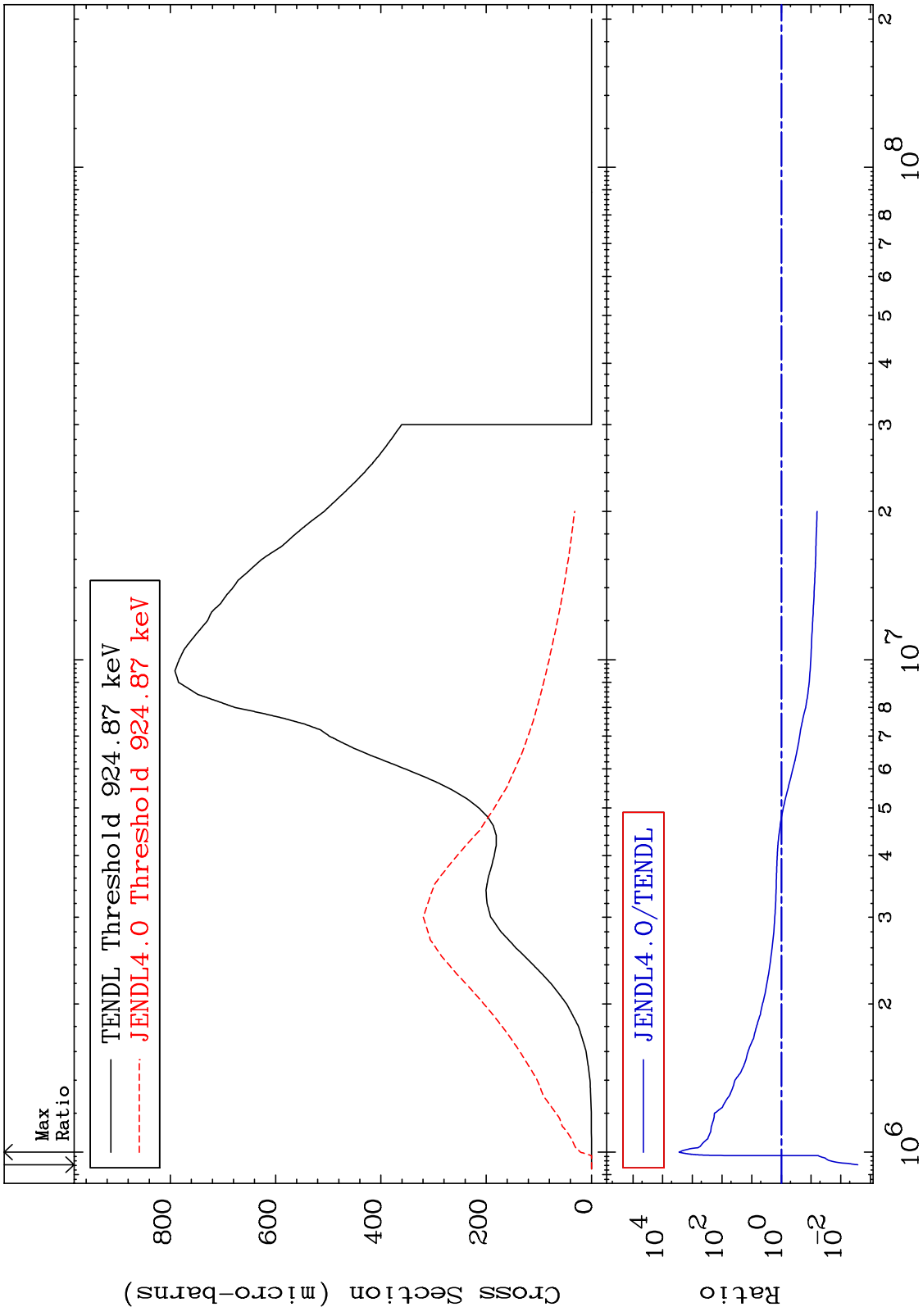


20 2 3 4 5 6 7 8 10⁶ 10⁷ 10⁸ 90-Th-228

MAT 9028 MT= 61 (n,n') Level 90-Th-228
 Cross Section -87.62 To 9999. %

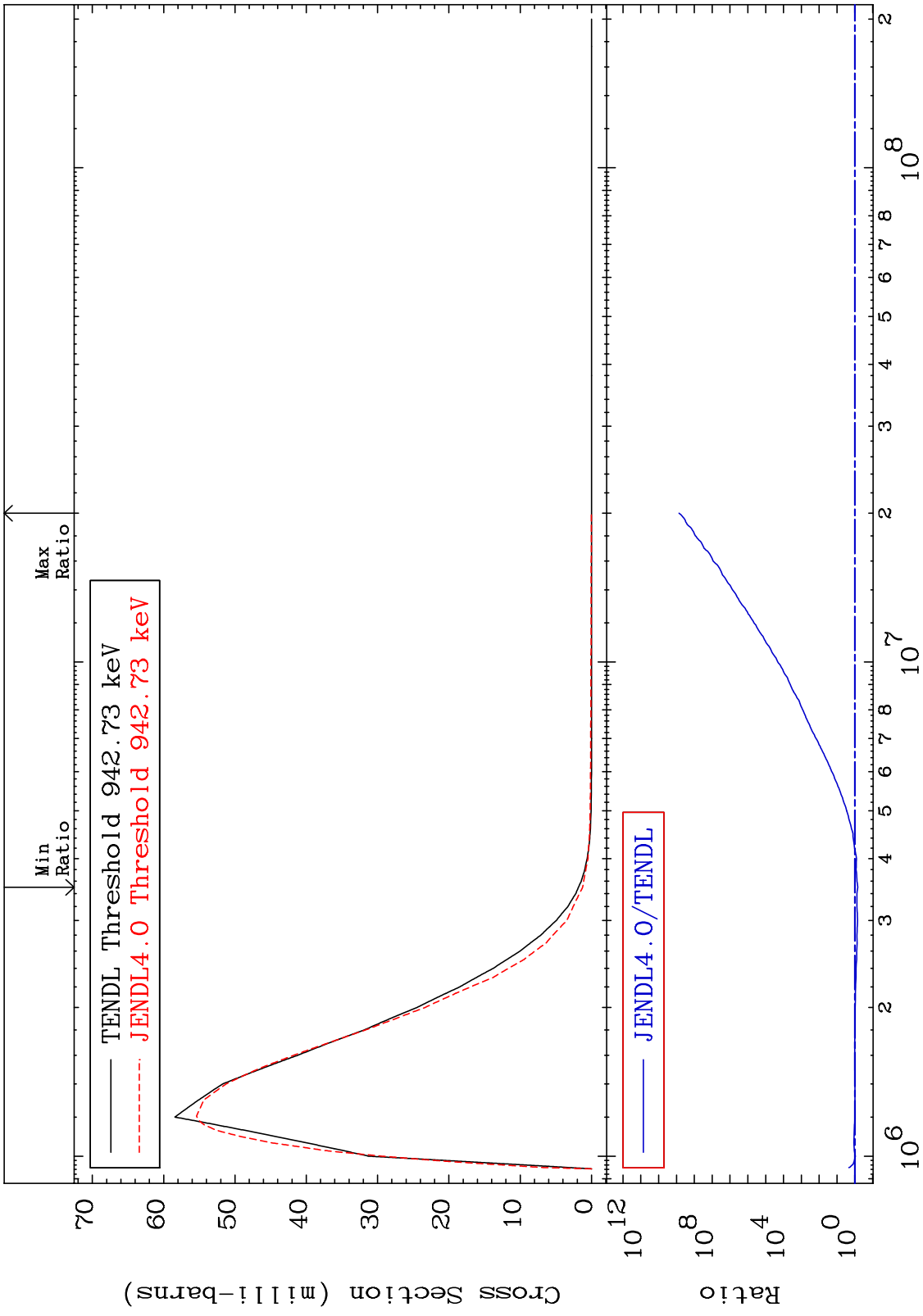


MAT 9028 MT= 62 (n,n') Level Cross Section 90-Th-228 -99.73 To 9999. %



22 90-Th-228

MAT 9028 MT= 63 (n,n') Level Cross Section 90-Th-228 -32.10 To 9999. %

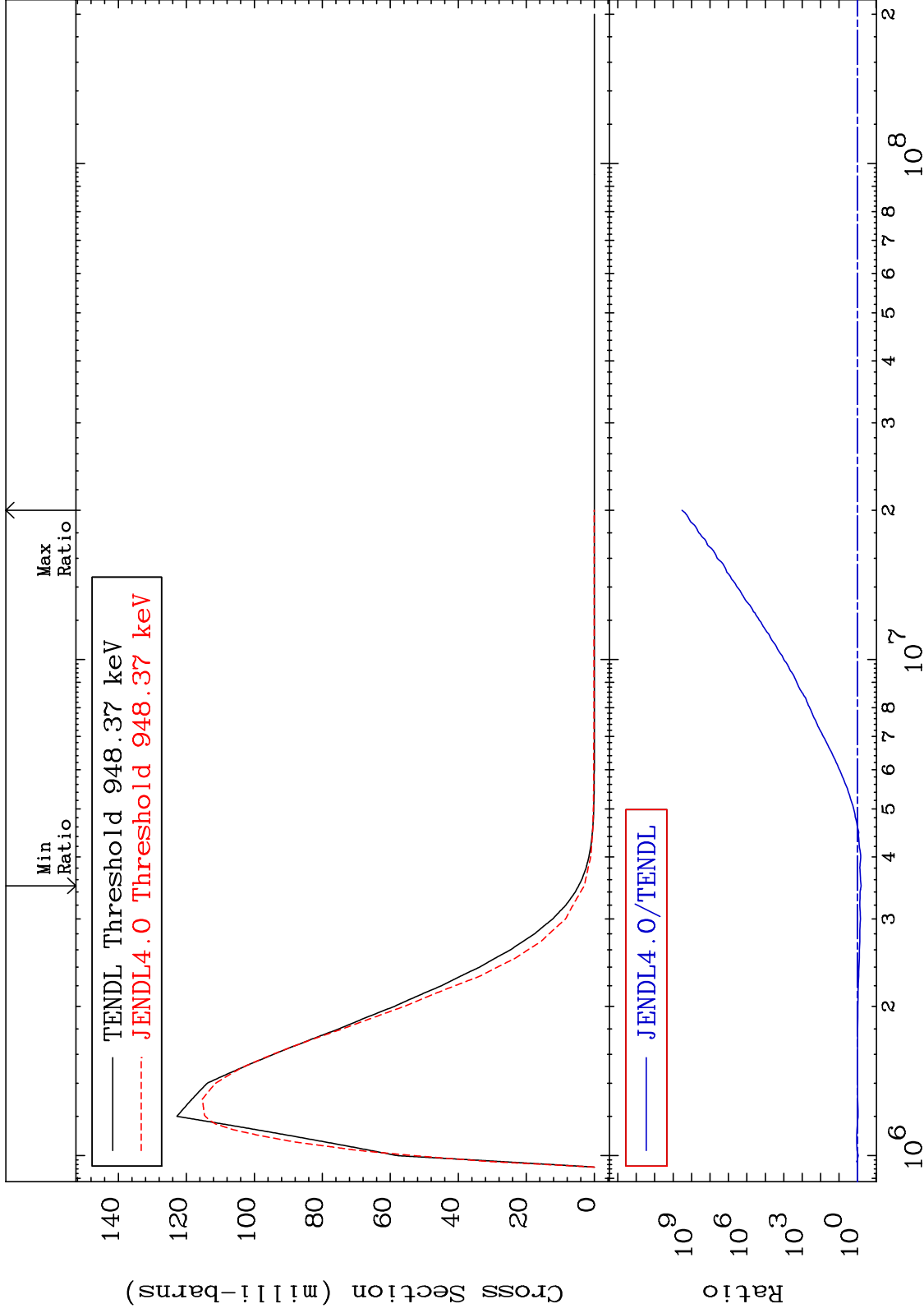


23 Incident Energy (eV) 90-Th-228

MAT 9028

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

90-Th-228
-36.70 To 9999. %

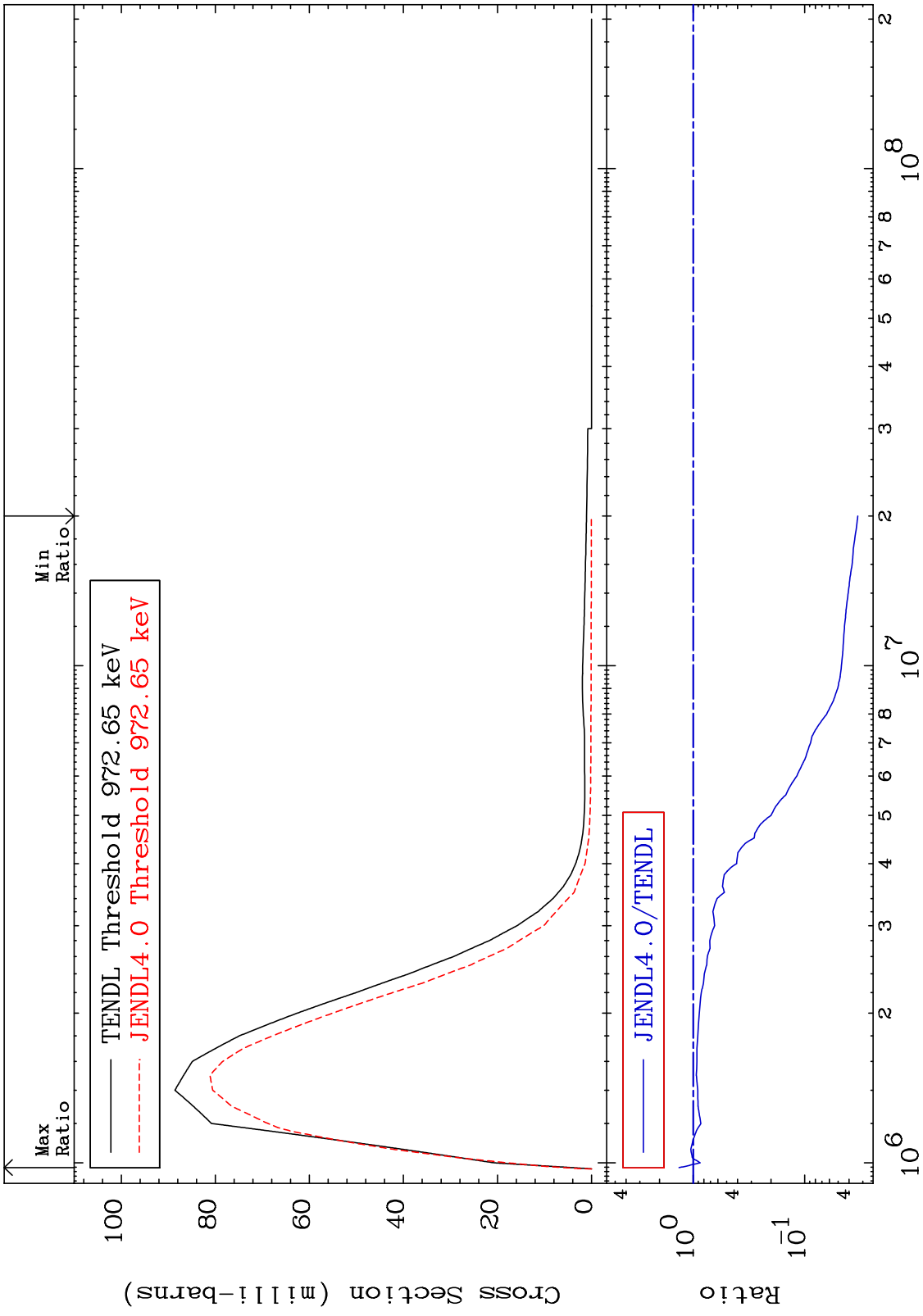


24

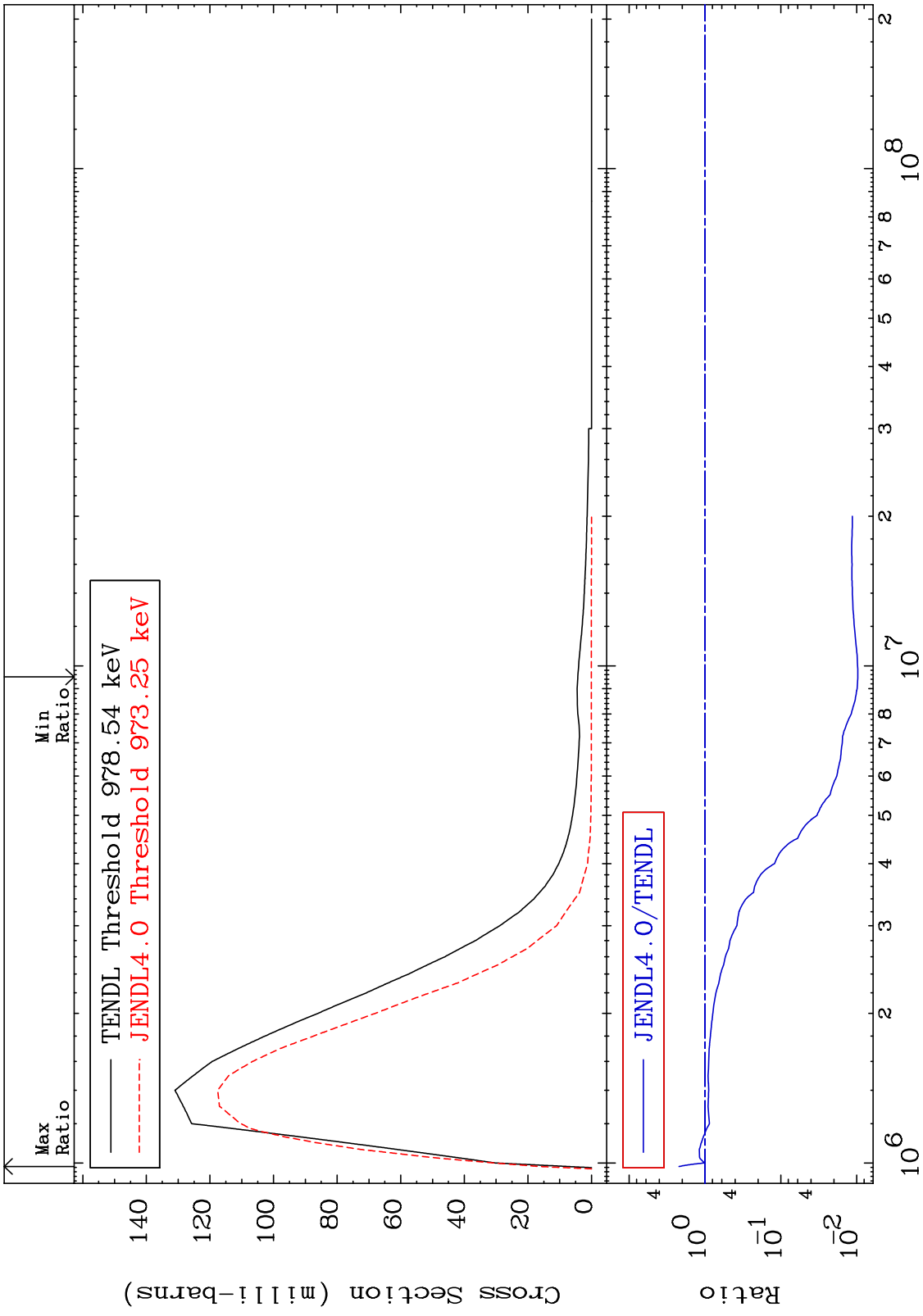
Incident Energy (eV)

90-Th-228

MAT 9028 MT= 65 (n,n') Level Cross Section 90-Th-228 -96.67 To 33.70 %

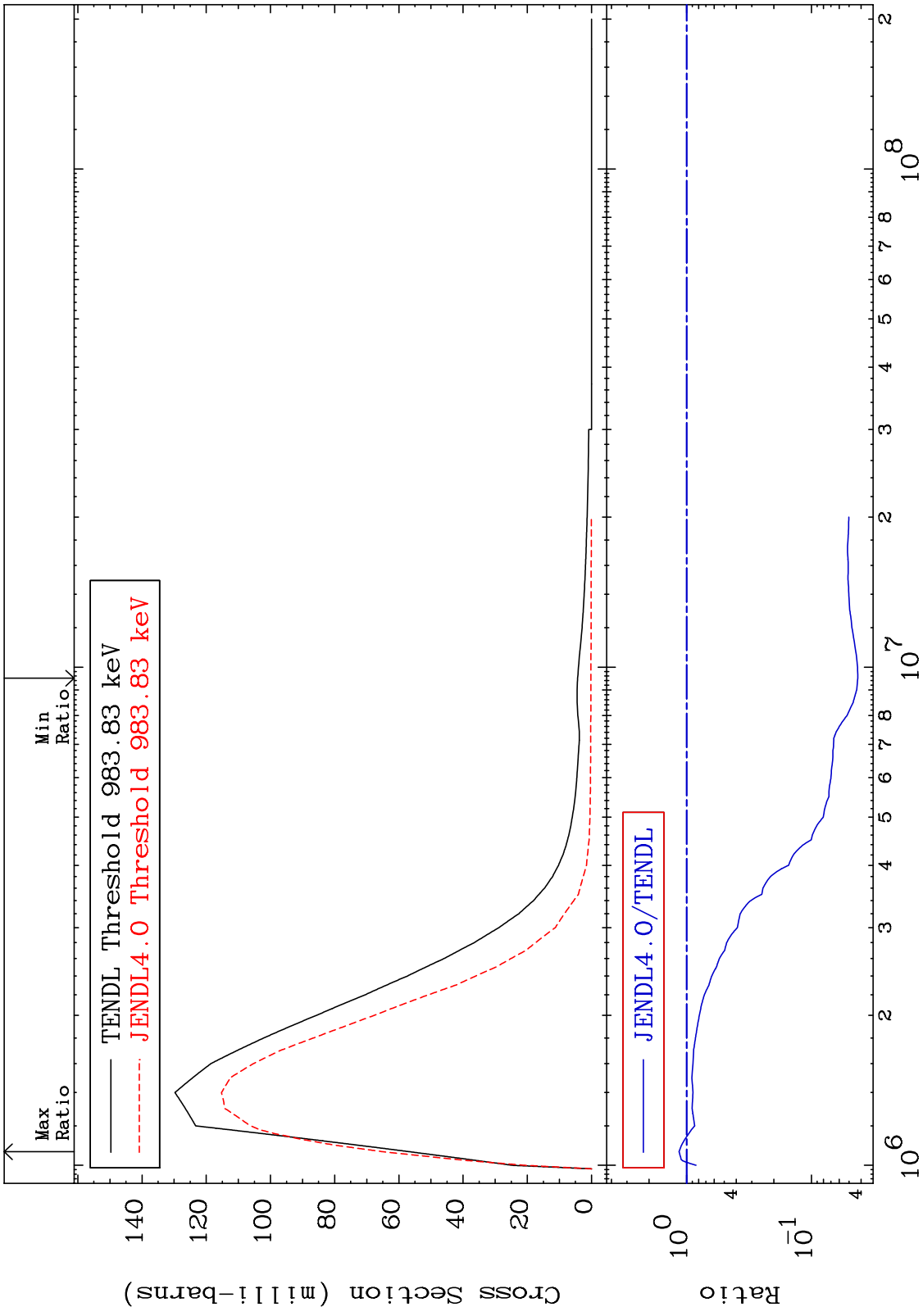


MAT 9028 MT= 66 (n,n') Level Cross Section 90-Th-228 -99.03 To 120.3 %



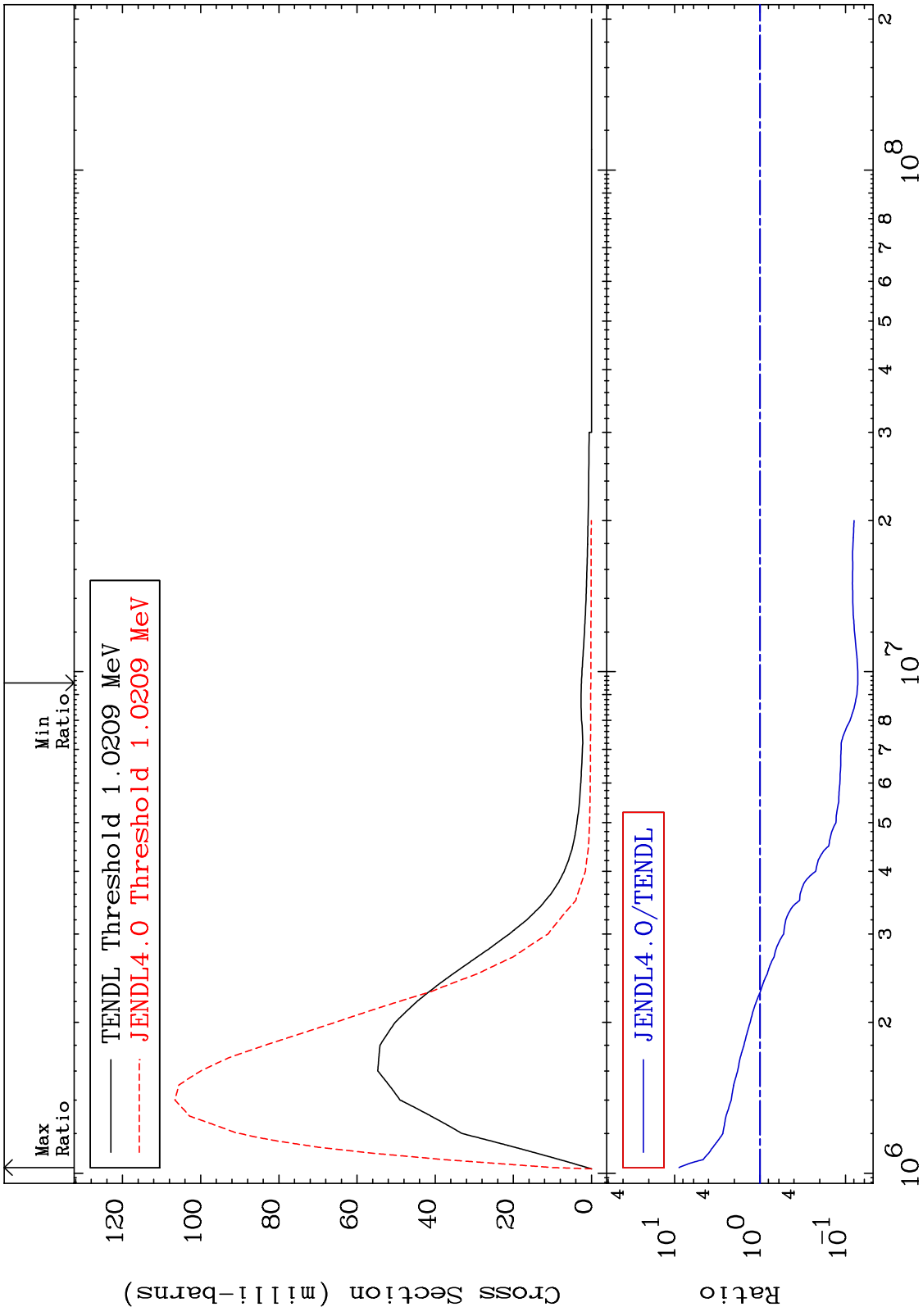
26 Incident Energy (eV) 90-Th-228

MAT 9028 MT= 67 (n,n') Level Cross Section 90-Th-228
 -95.75 To 14.84 %

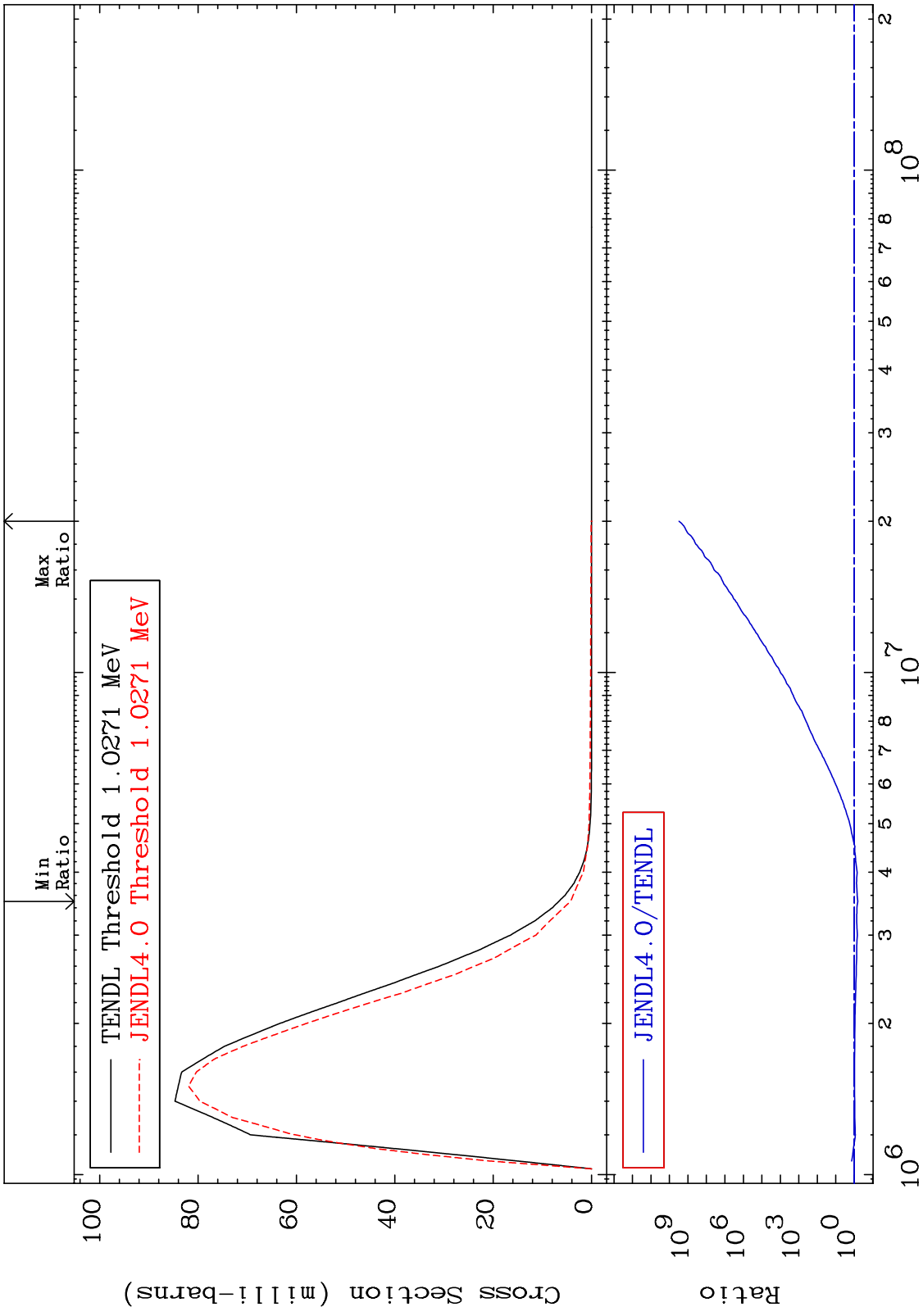


27 Incident Energy (eV) 90-Th-228

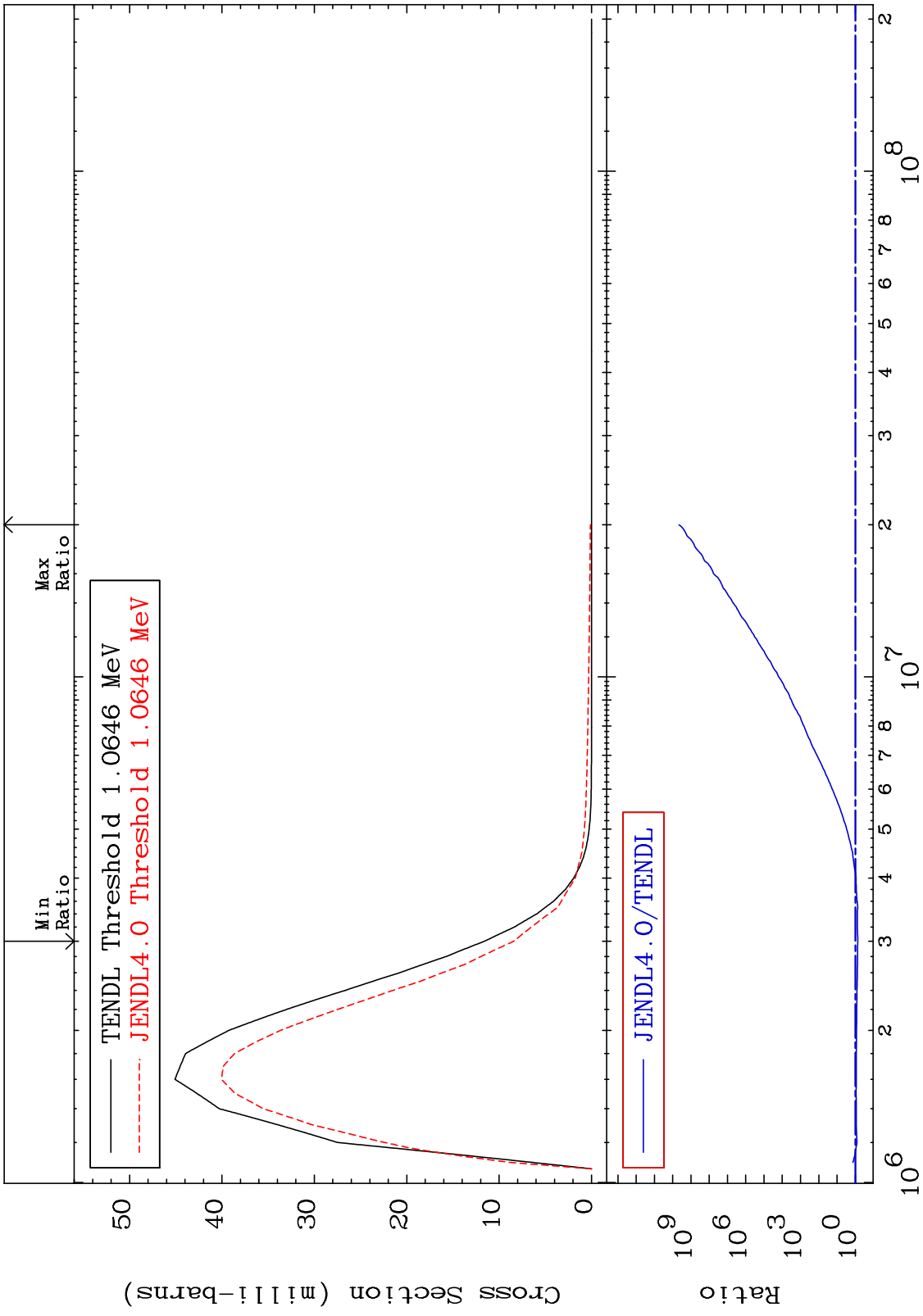
MAT 9028 MT= 68 (n,n') Level Cross Section 90-Th-228
 -92.83 To 786.2 %



MAT 9028 MT= 69 (n,n') Level Cross Section 90-Th-228 -36.27 To 9999. %

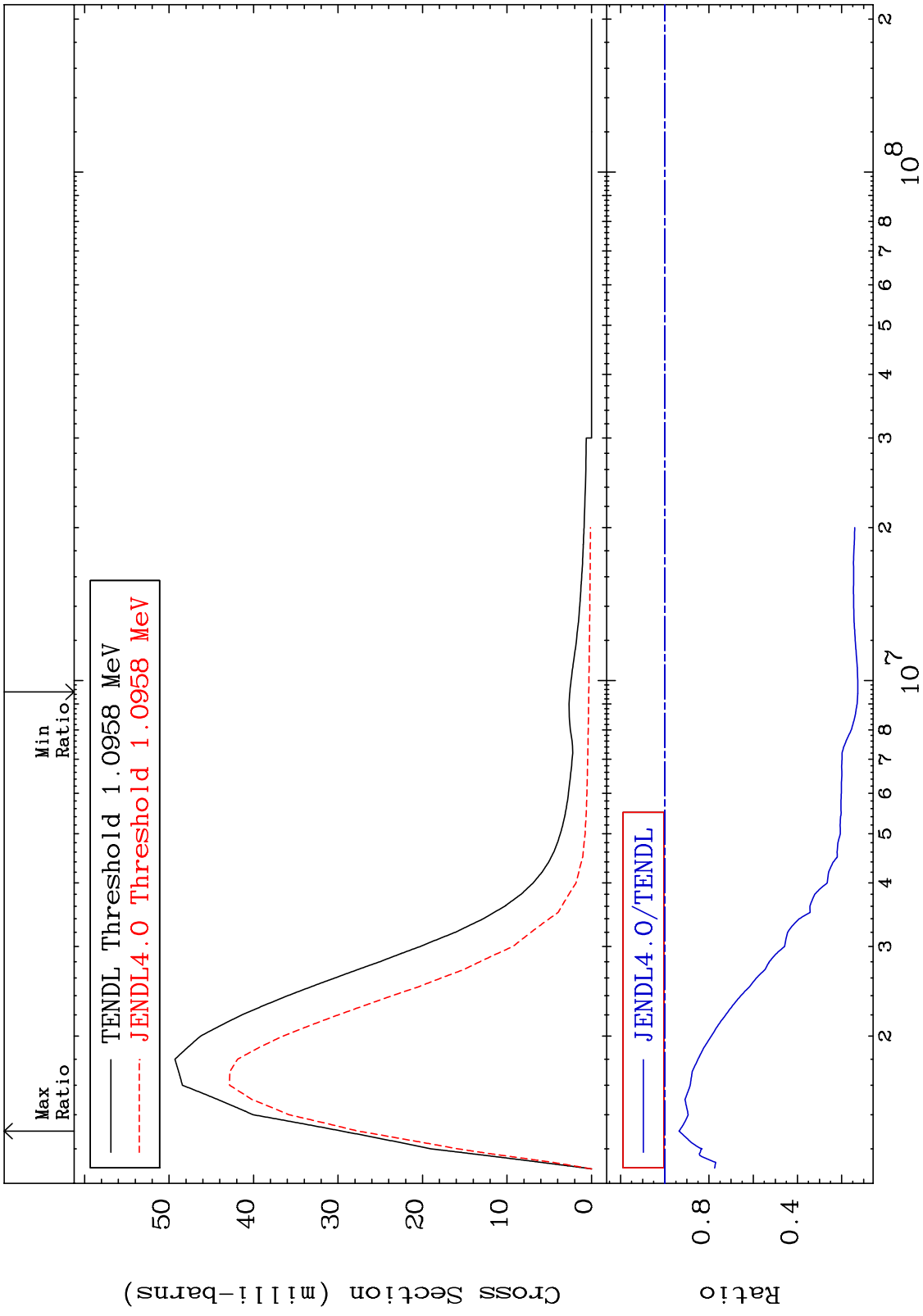


MAT 9028 MT= 70 (n,n') Level Cross Section 90-Th-228 -27.36 To 9999. %

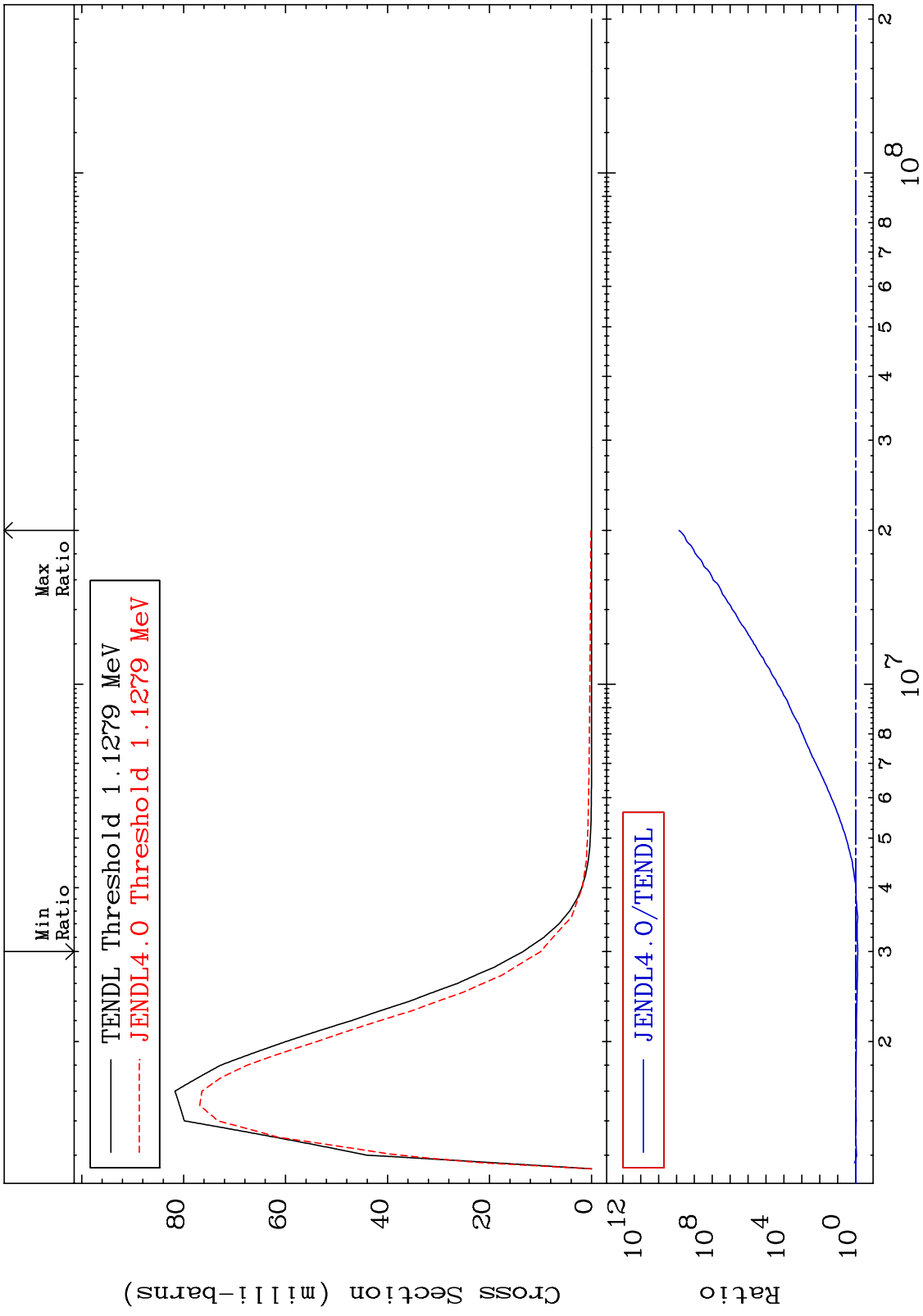


30 Incident Energy (eV) 90-Th-228

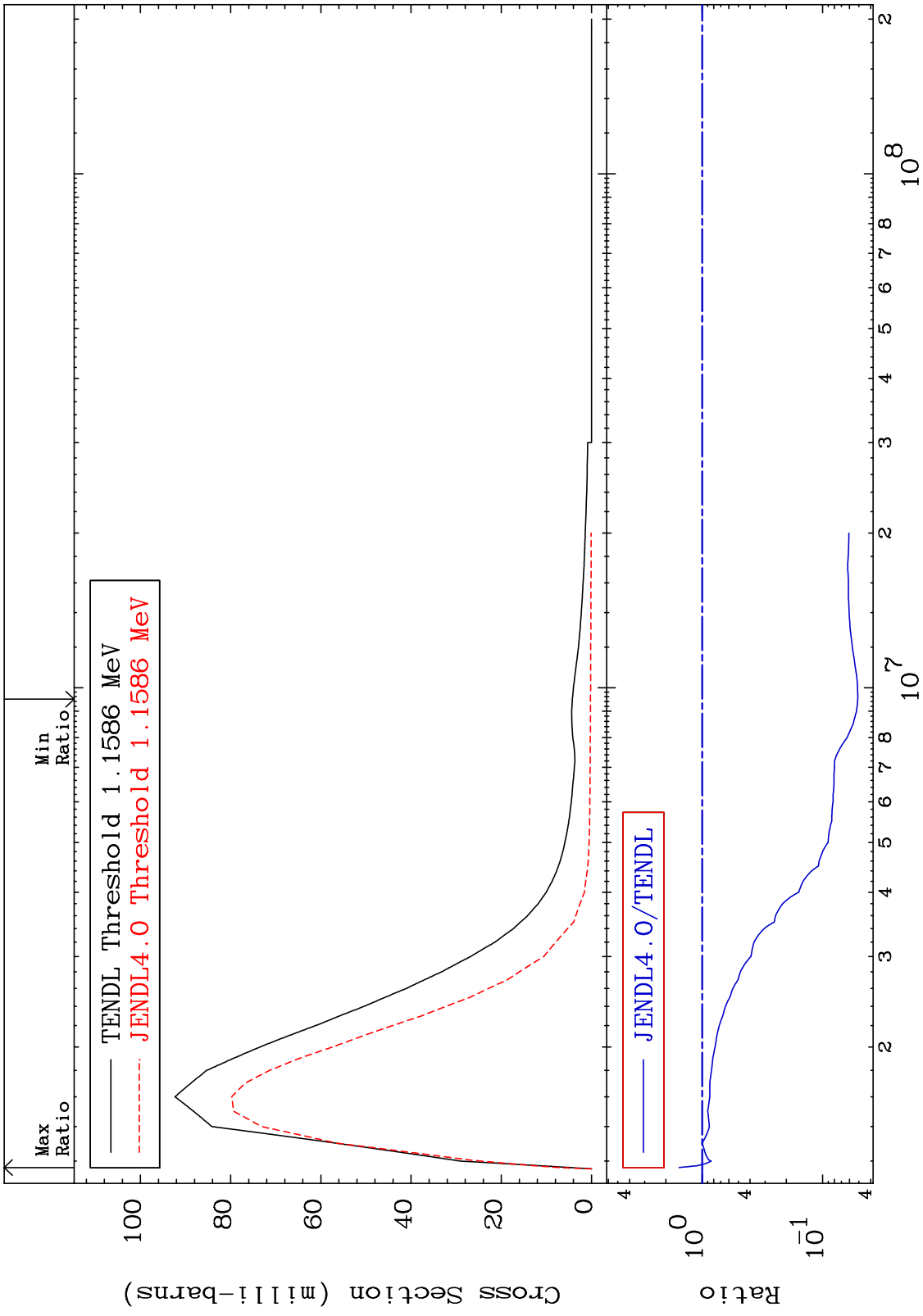
MAT 9028 MT= 71 (n,n') Level Cross Section 90-Th-228 -87.33 To -6.455%



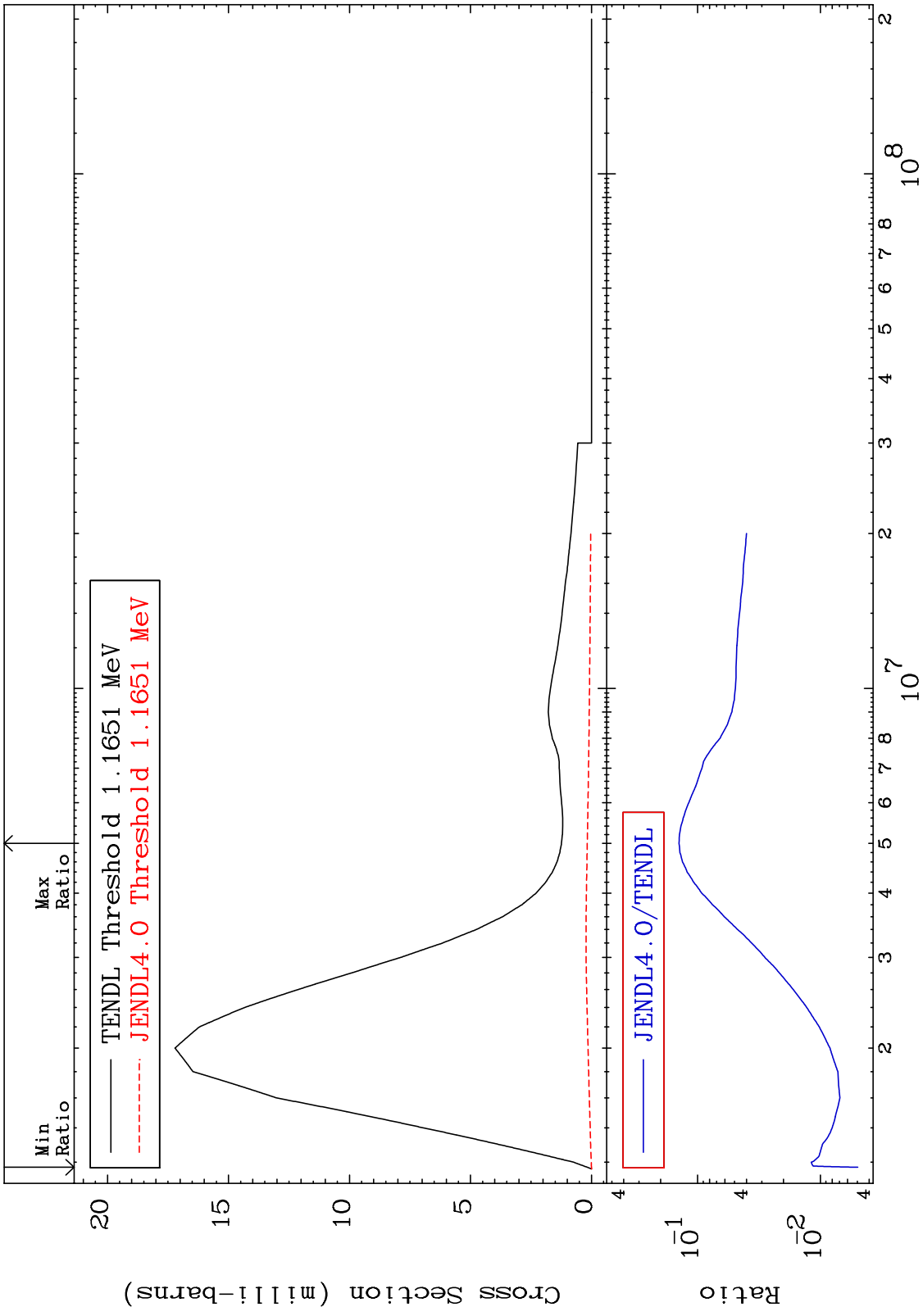
MAT 9028 MT= 72 (n,n') Level Cross Section 90-Th-228
 -25.94 To 9999. %



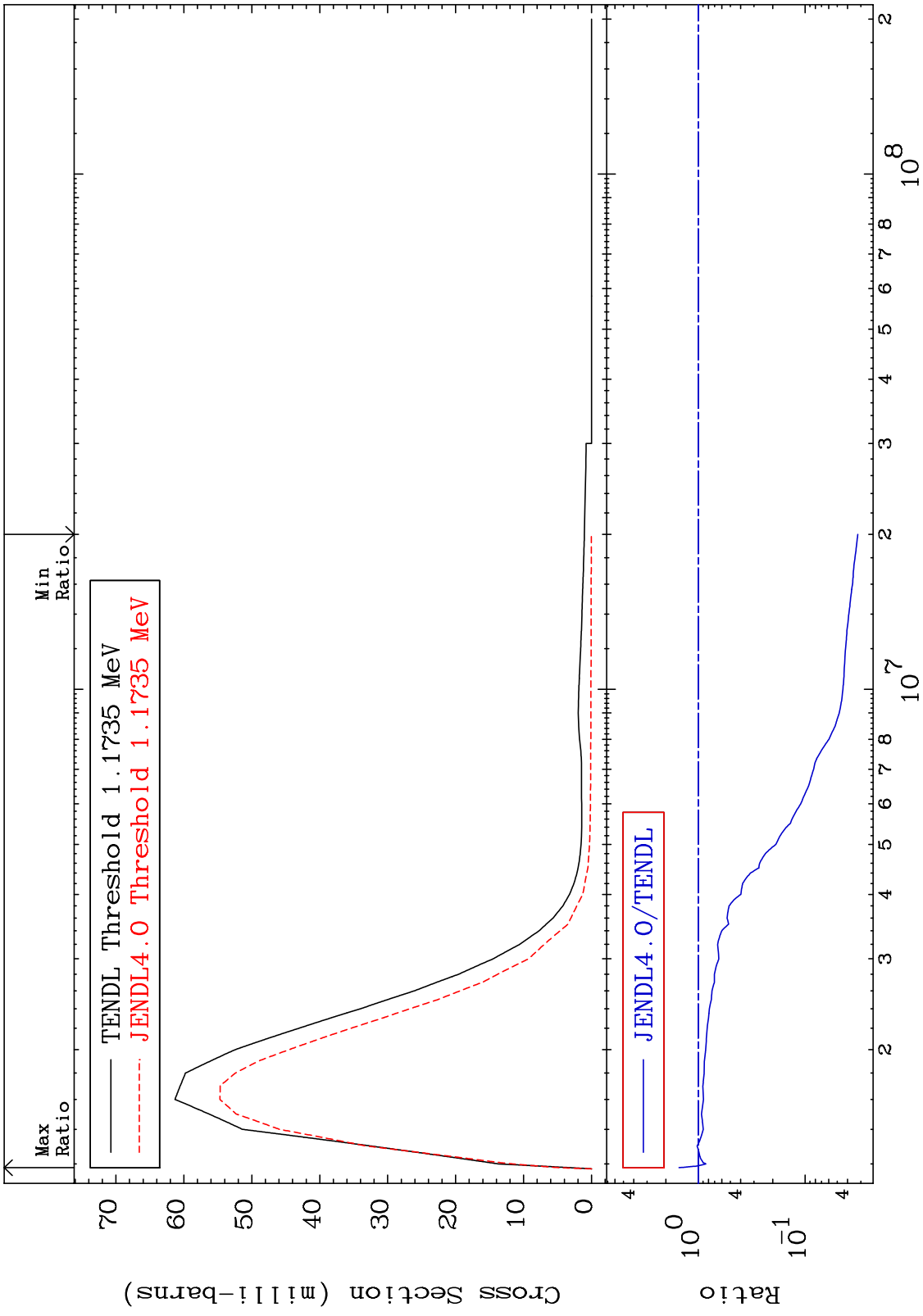
MAT 9028 MT= 73 (n,n') Level Cross Section 90-Th-228
 -94.89 To 55.42 %



MAT 9028 MT= 74 (n,n') Level Cross Section 90-Th-228 -99.51 To -85.83%



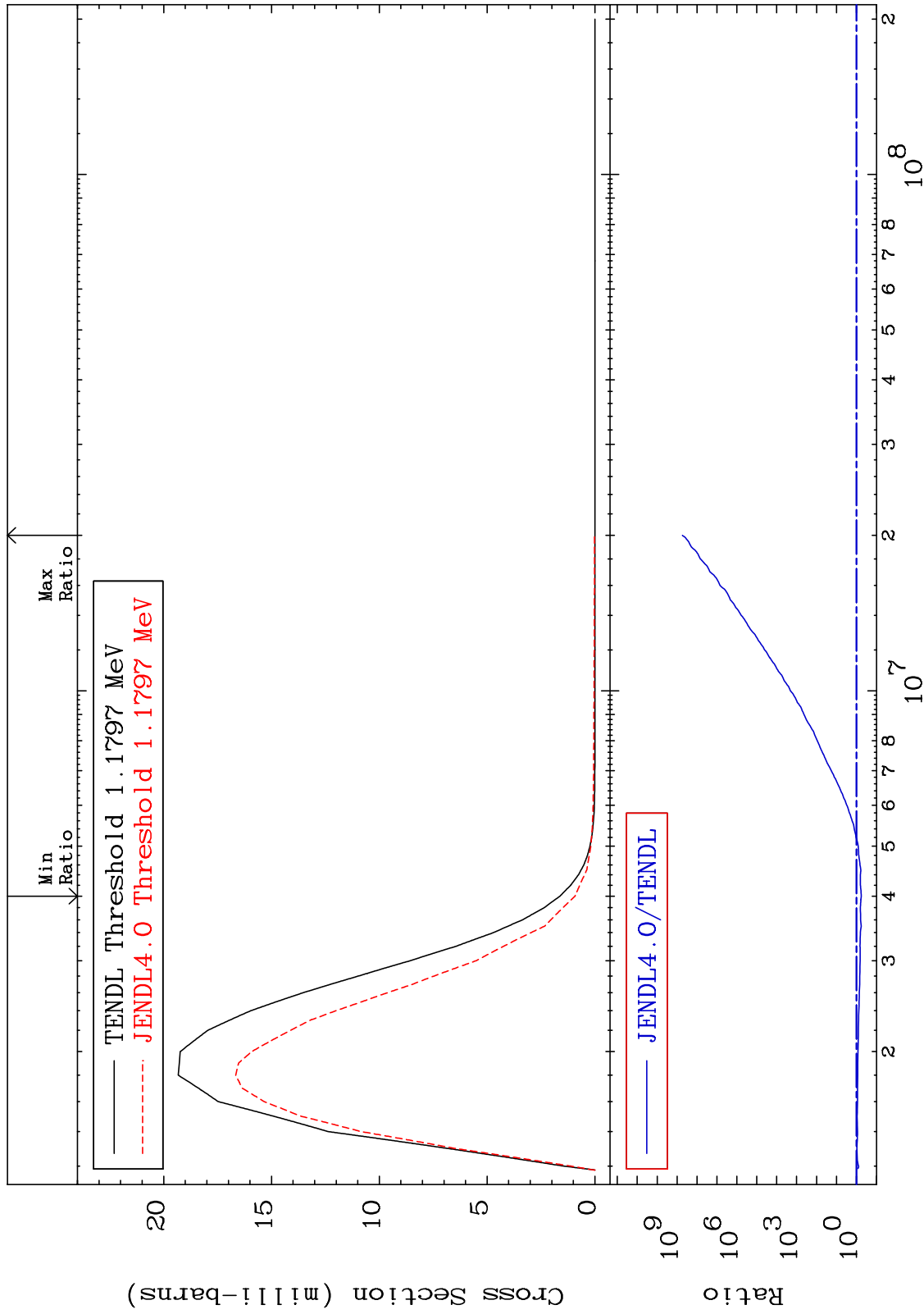
MAT 9028 MT= 75 (n,n') Level Cross Section 90-Th-228
 -96.79 To 50.77 %



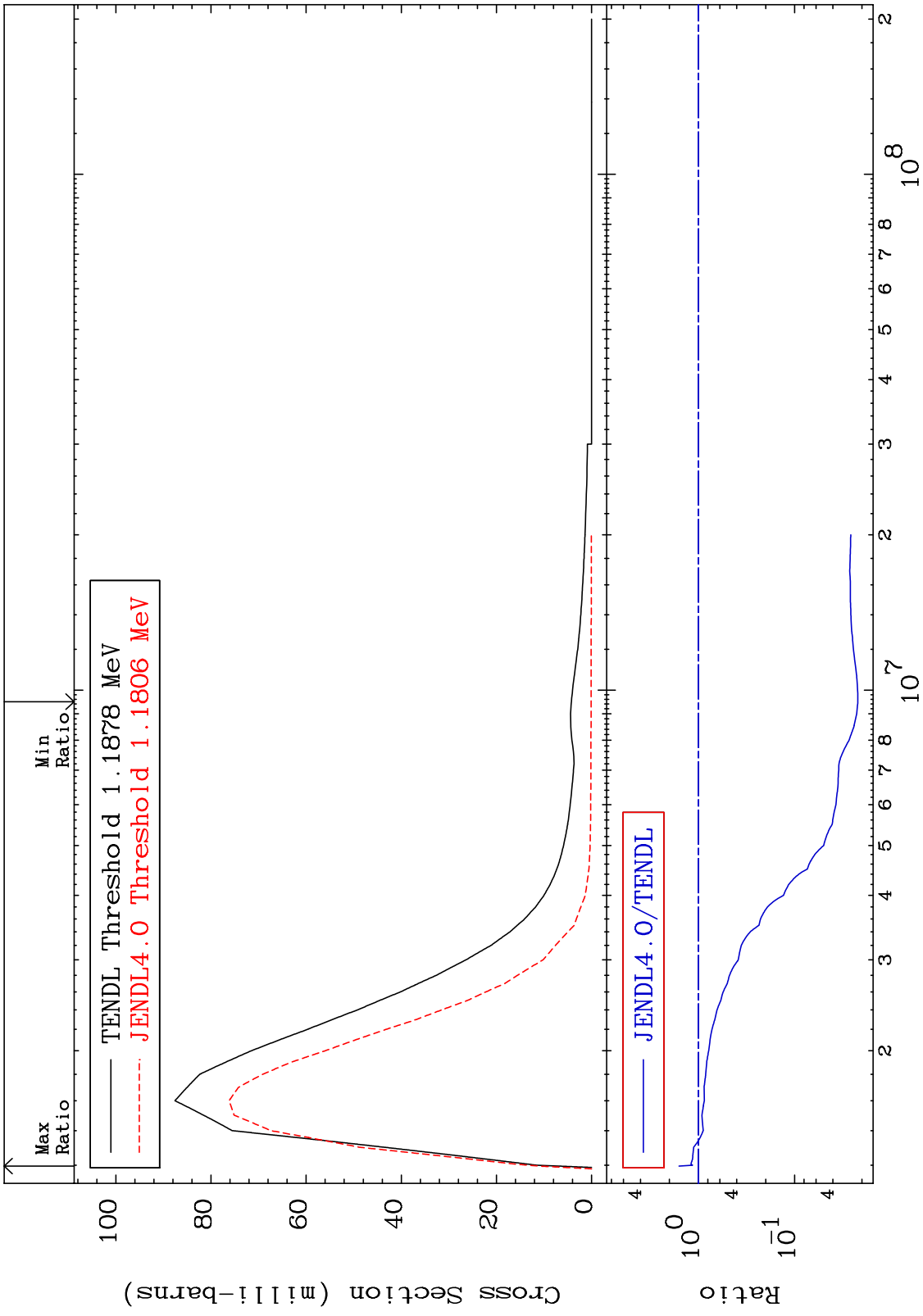
MAT 9028

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

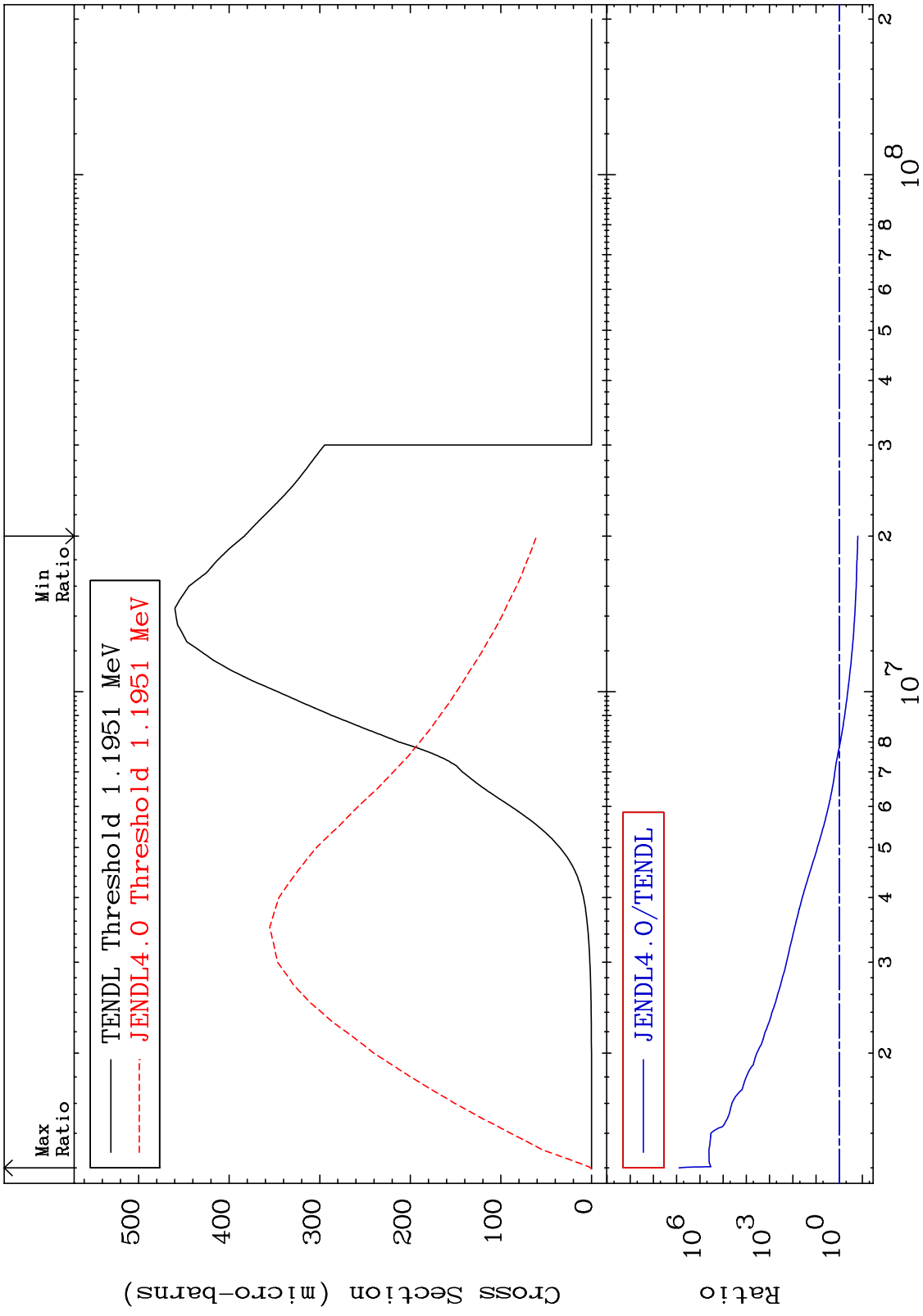
90-Th-228
-43.12 To 9999. %



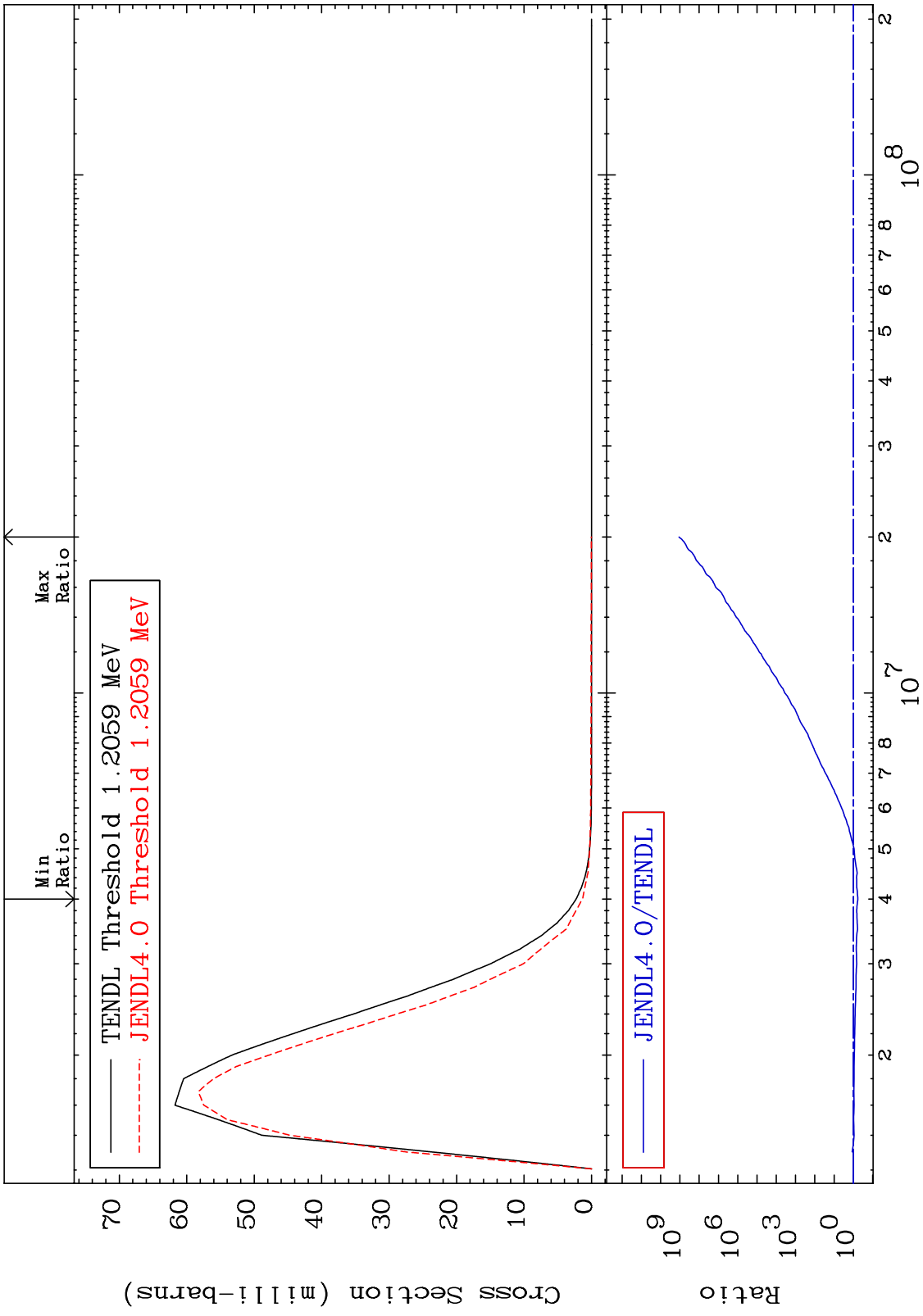
MAT 9028 MT= 77 (n,n') Level Cross Section 90-Th-228
 -97.80 To 58.96 %



MAT 9028 MT= 78 (n,n') Level Cross Section 90-Th-228 -84.20 To 9999. %



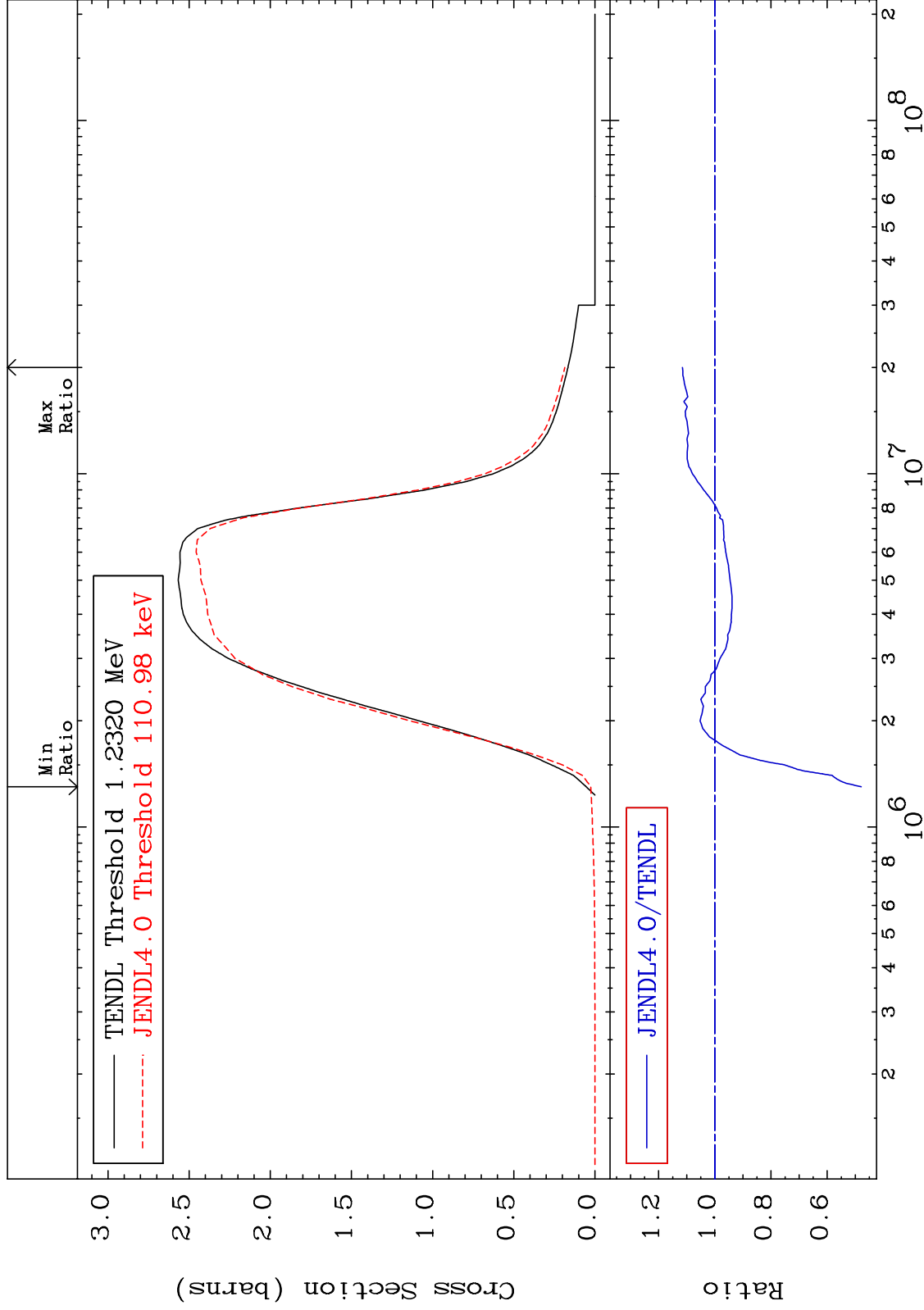
MAT 9028 MT= 79 (n,n') Level Cross Section 90-Th-228 -41.28 To 9999. %



MAT 9028

(n, n') Continuum
Cross Section

90-Th-228
-52.14 To 11.51 %



MAT 9028

(n, γ)

90-Th-228

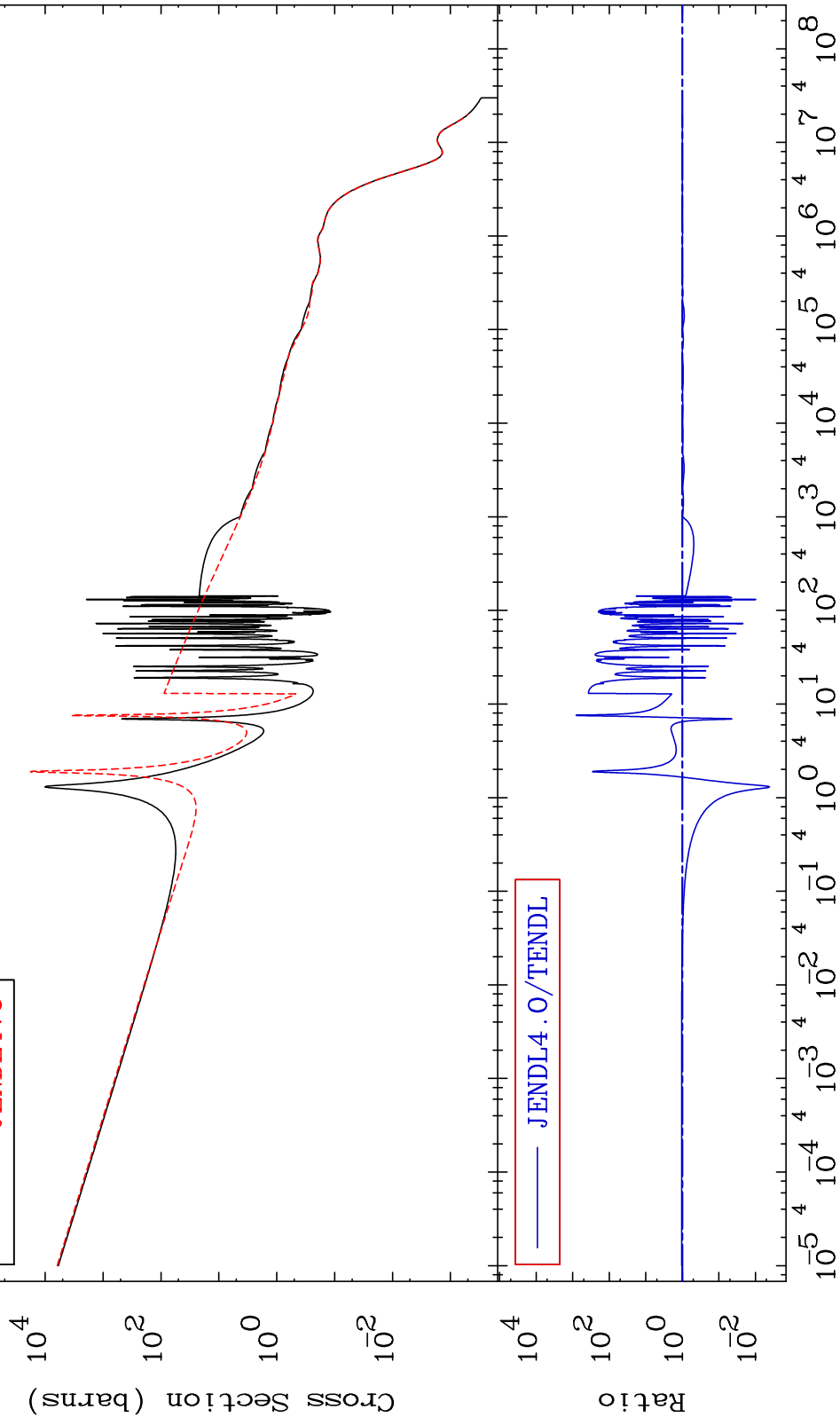
-99.59 To 9999. %

Cross Section

Min Ratio

Max Ratio

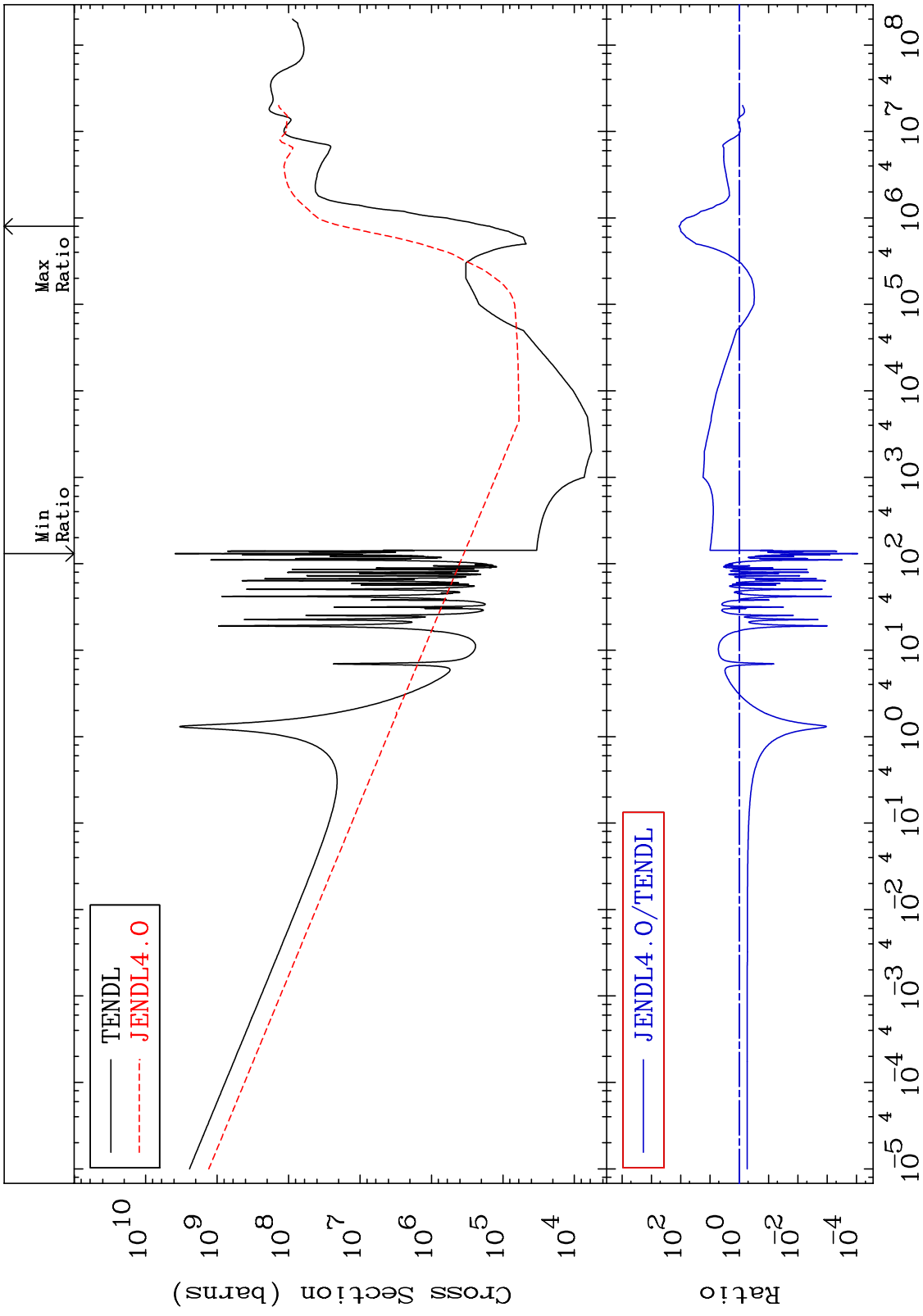
TENDL
JENDL4.0



Incident Energy (eV)

90-Th-228

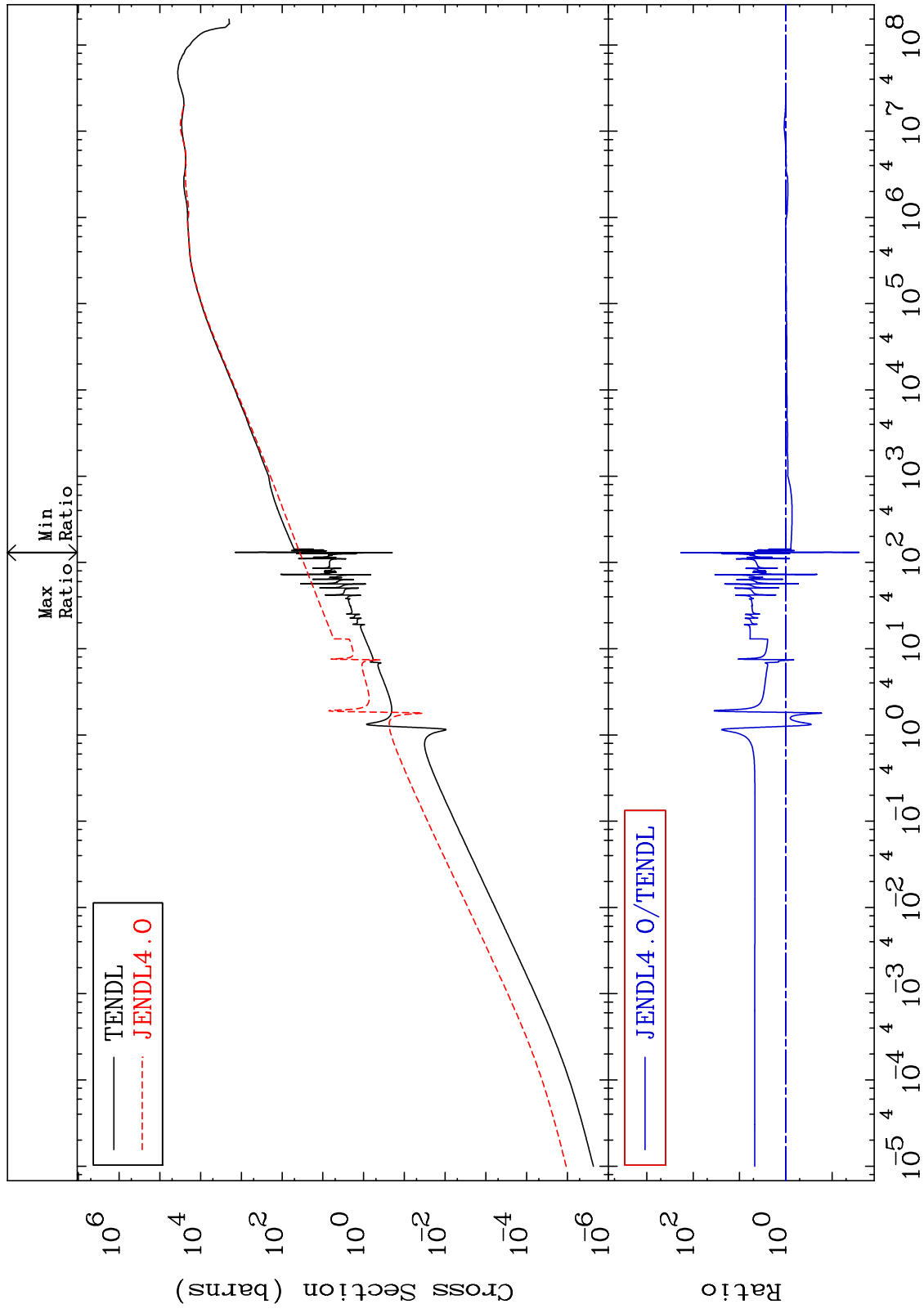
MAT 9028 Kerma total (eV-barns) 90-Th-228
 Cross Section -99.99 To 9999. %



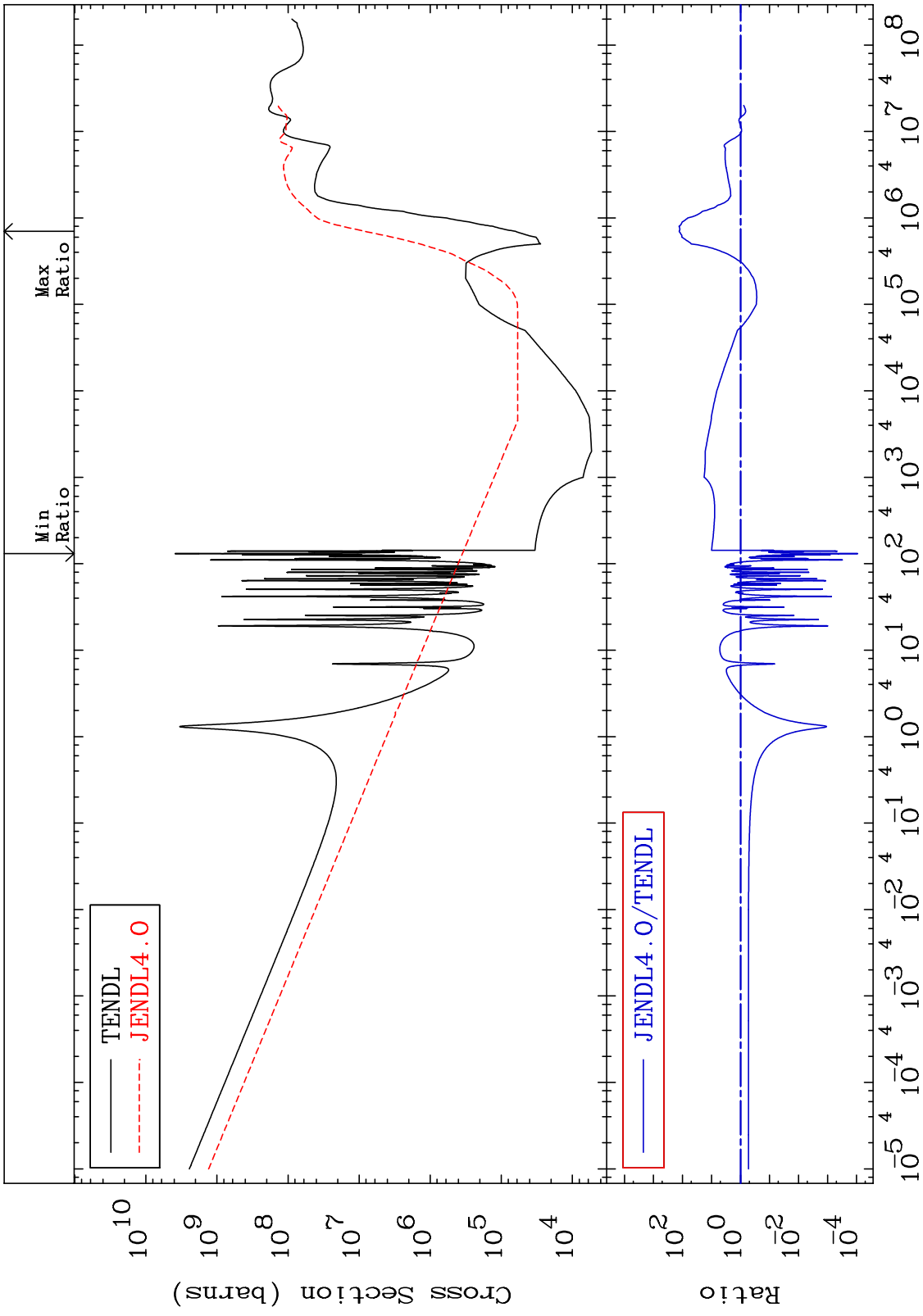
MAT 9028

Kerma elastic
Cross Section

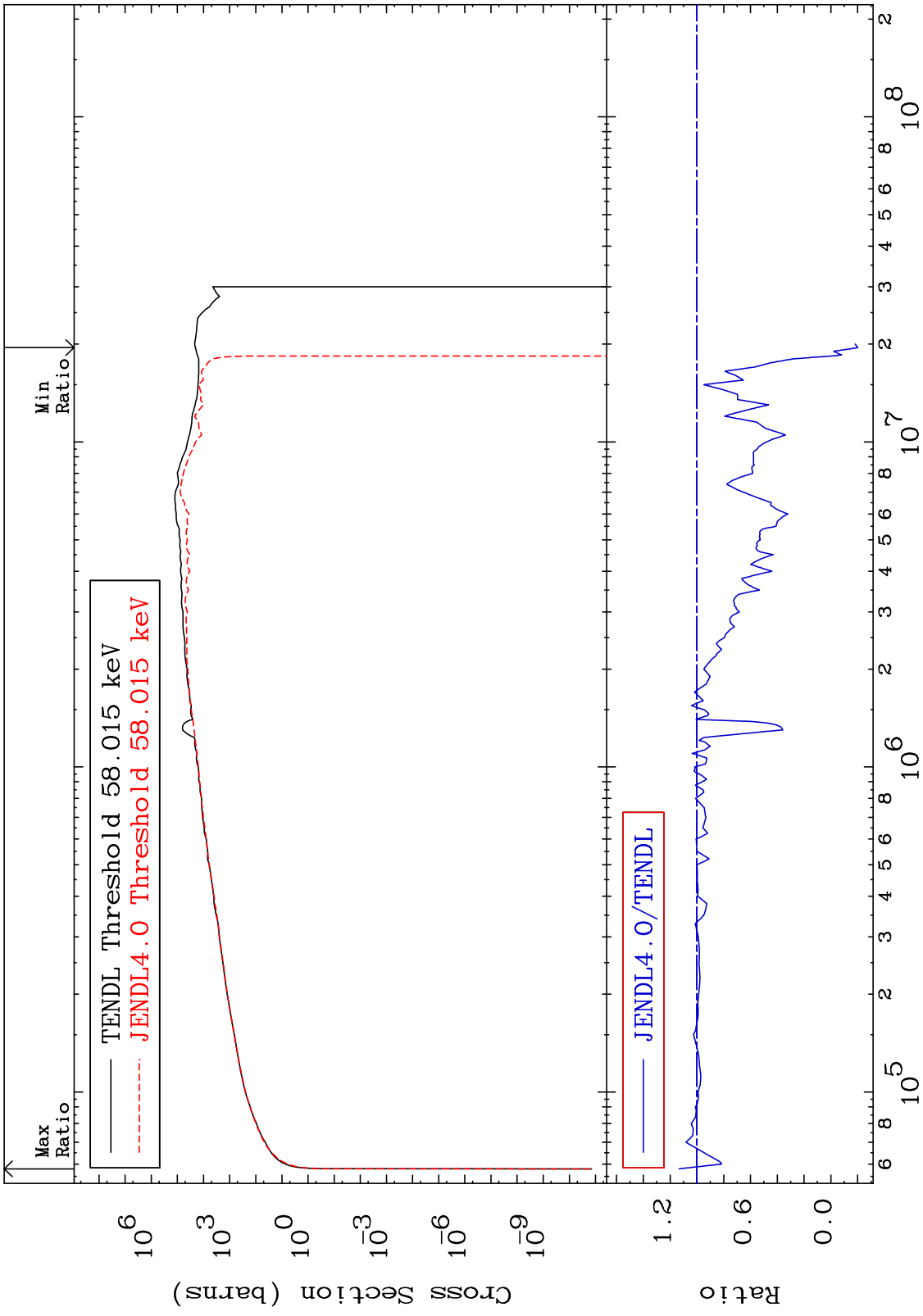
90-Th-228
-97.38 To 9999. %



MAT 9028 Kerma non-elastic (all but mt.2) Cross Section 90-Th-228
 -99.99 To 9999. %



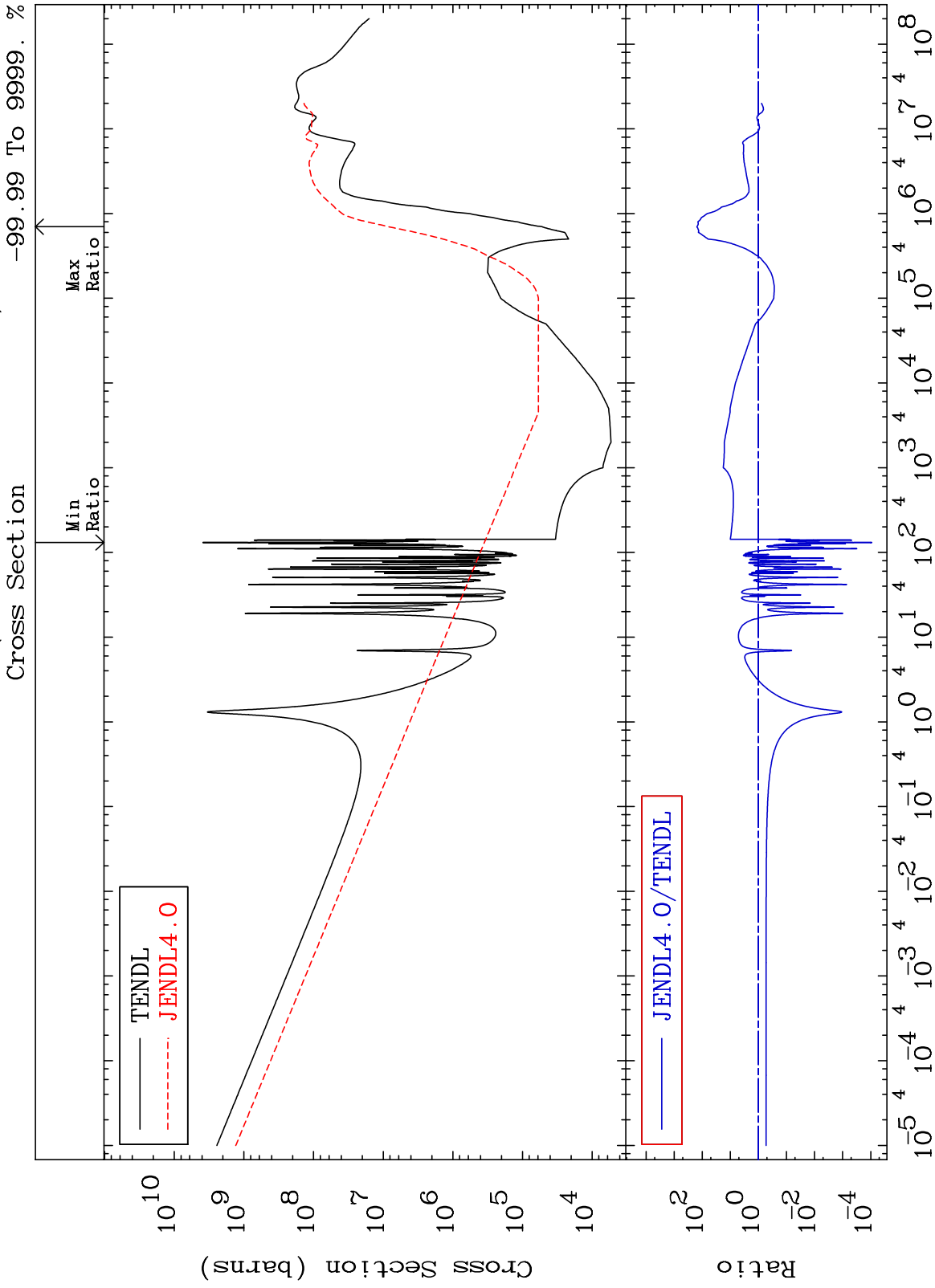
MAT 9028 Kerma inelastic (mt51-91) 90-Th-228
Cross Section -120.2 To 13.34 %



MAT 9028

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

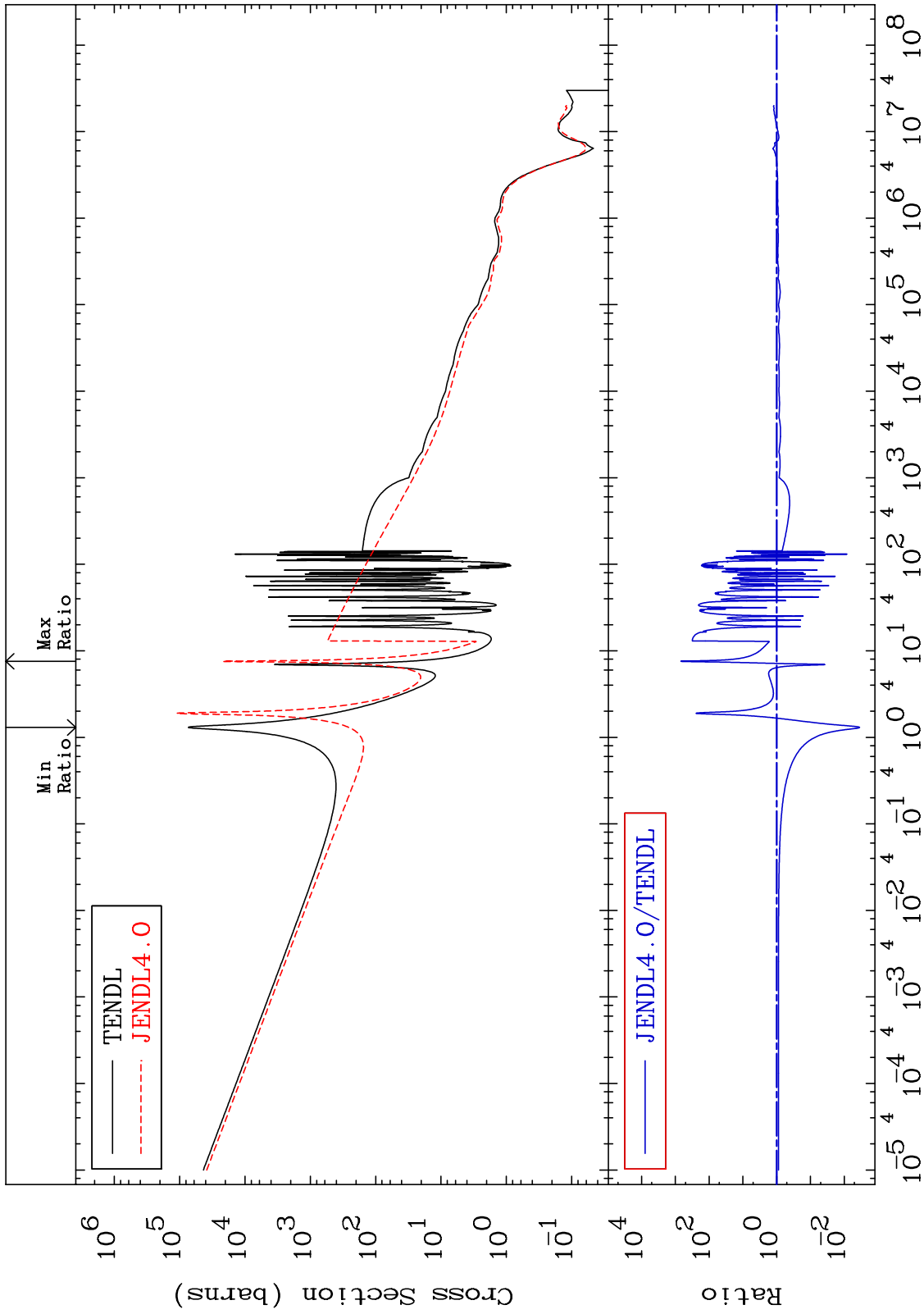
90-Th-228
-99.99 To 9999. %



MAT 9028

Kerma capture (mt102)
Cross Section

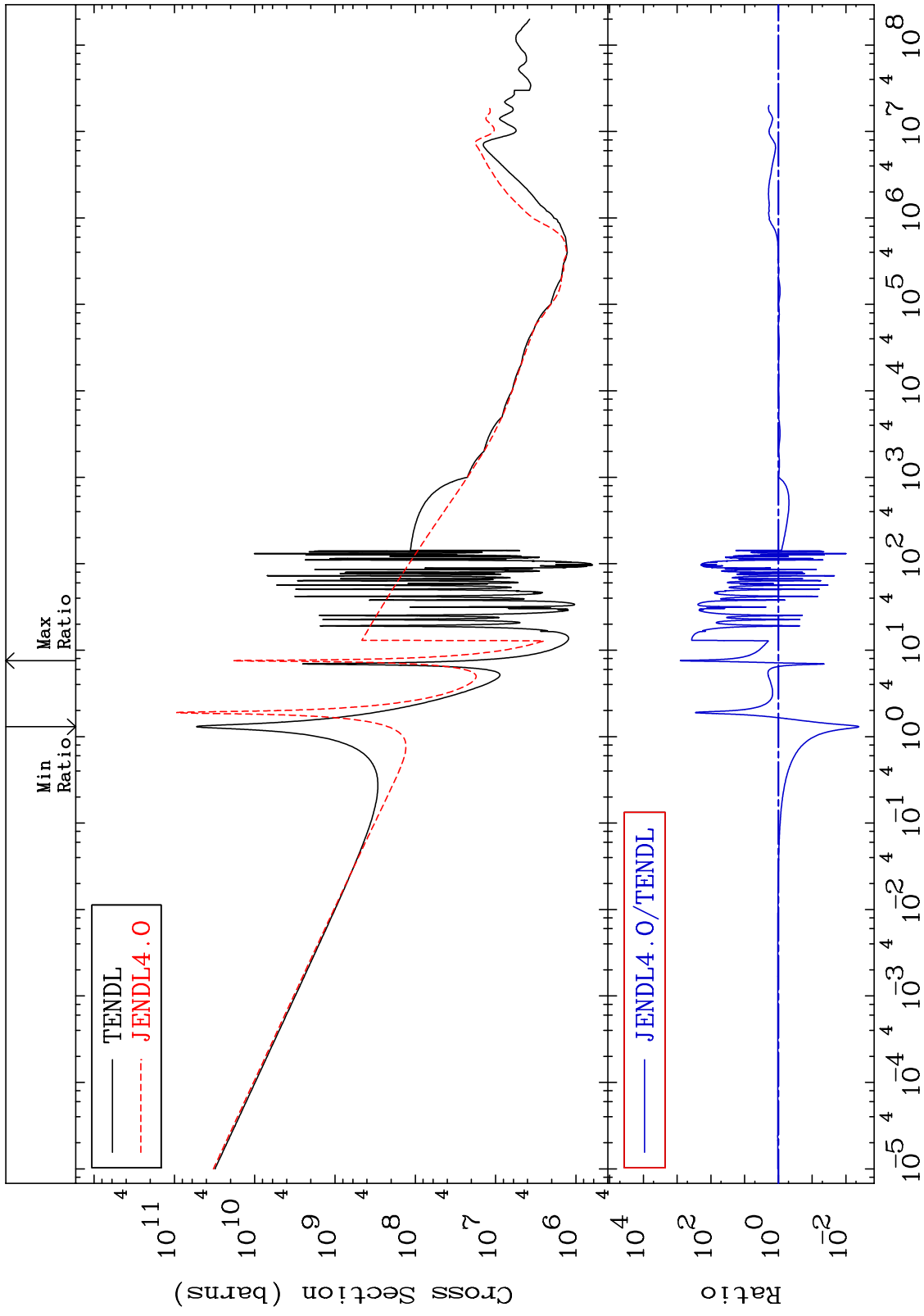
90-Th-228
-99.65 To 9999. %



MAT 9028

Total photon (eV-barns)
Cross Section

90-Th-228
-99.59 To 9999. %

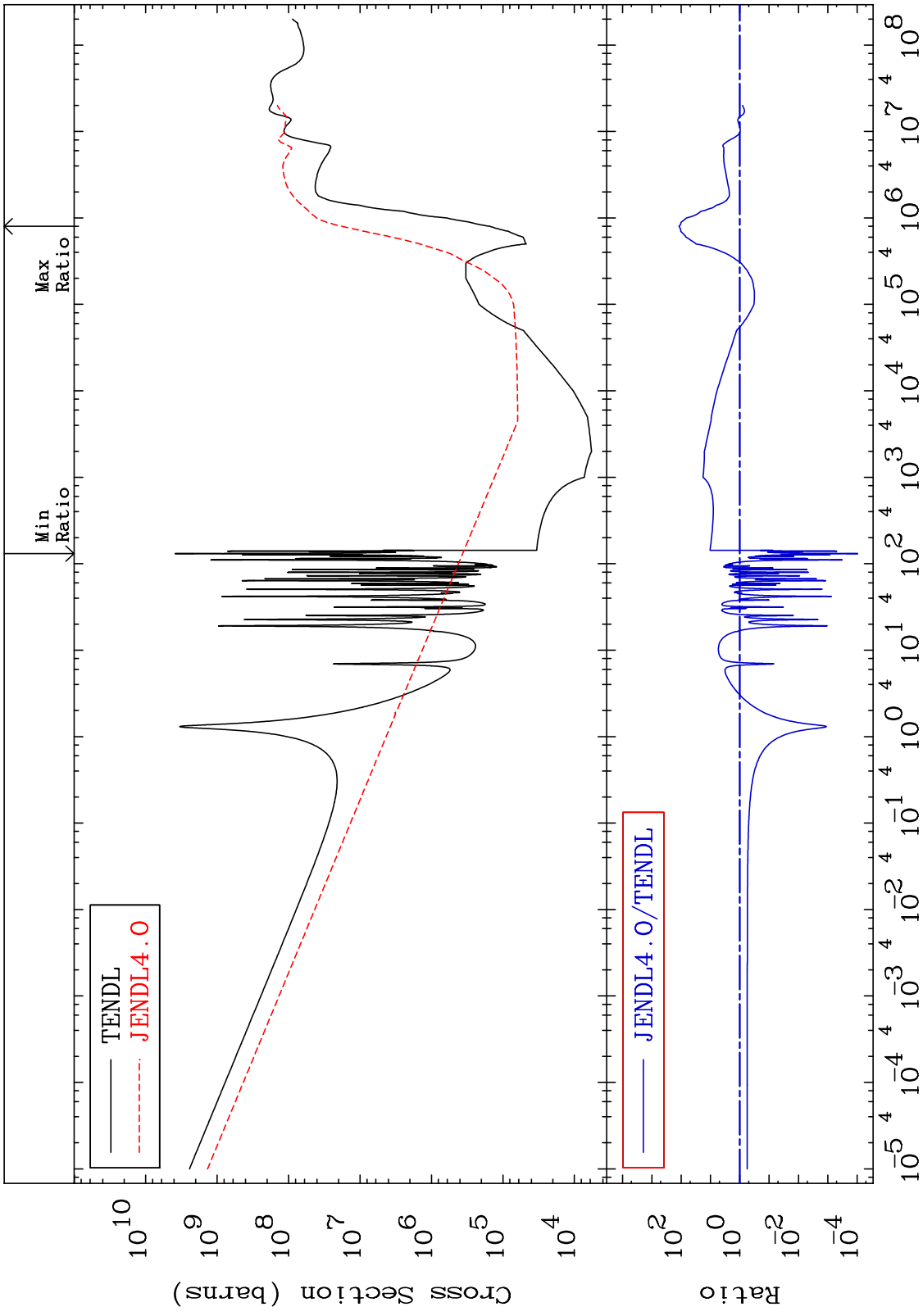


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Incident Energy (eV)

90-Th-228

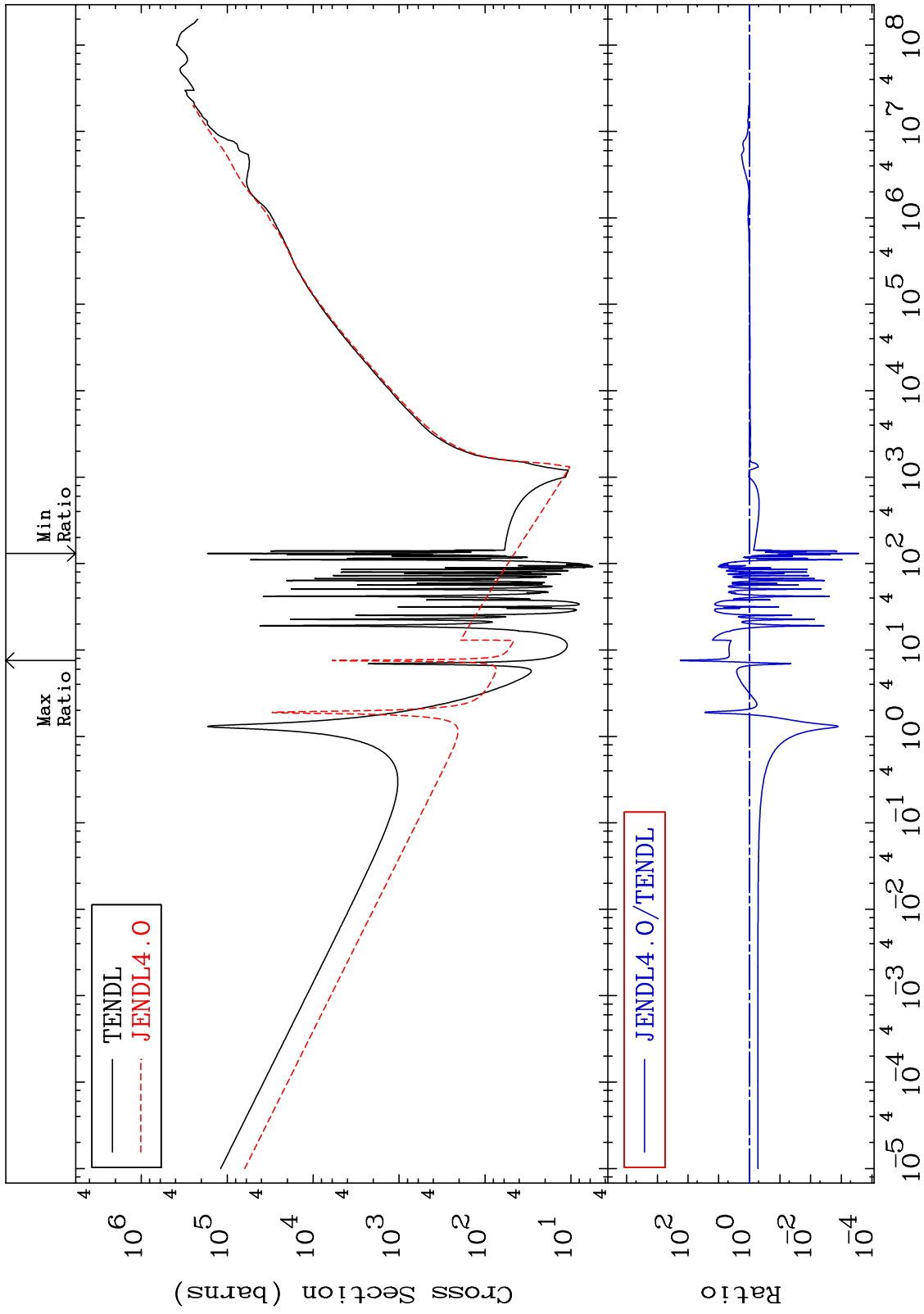
MAT 9028 Total kinematic kerma (high limit) Cross Section 90-Th-228 -99.99 To 9999. %



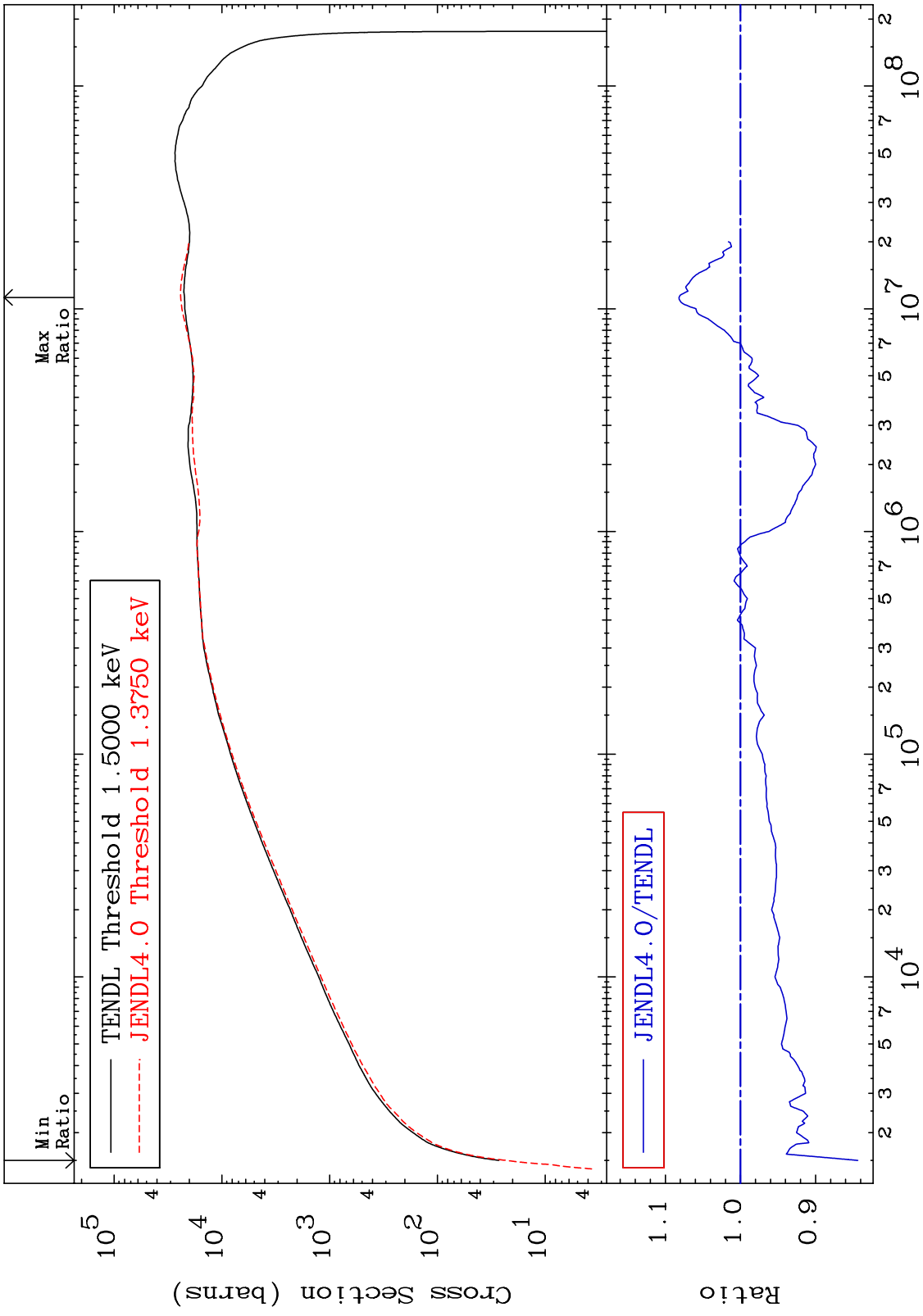
MAT 9028

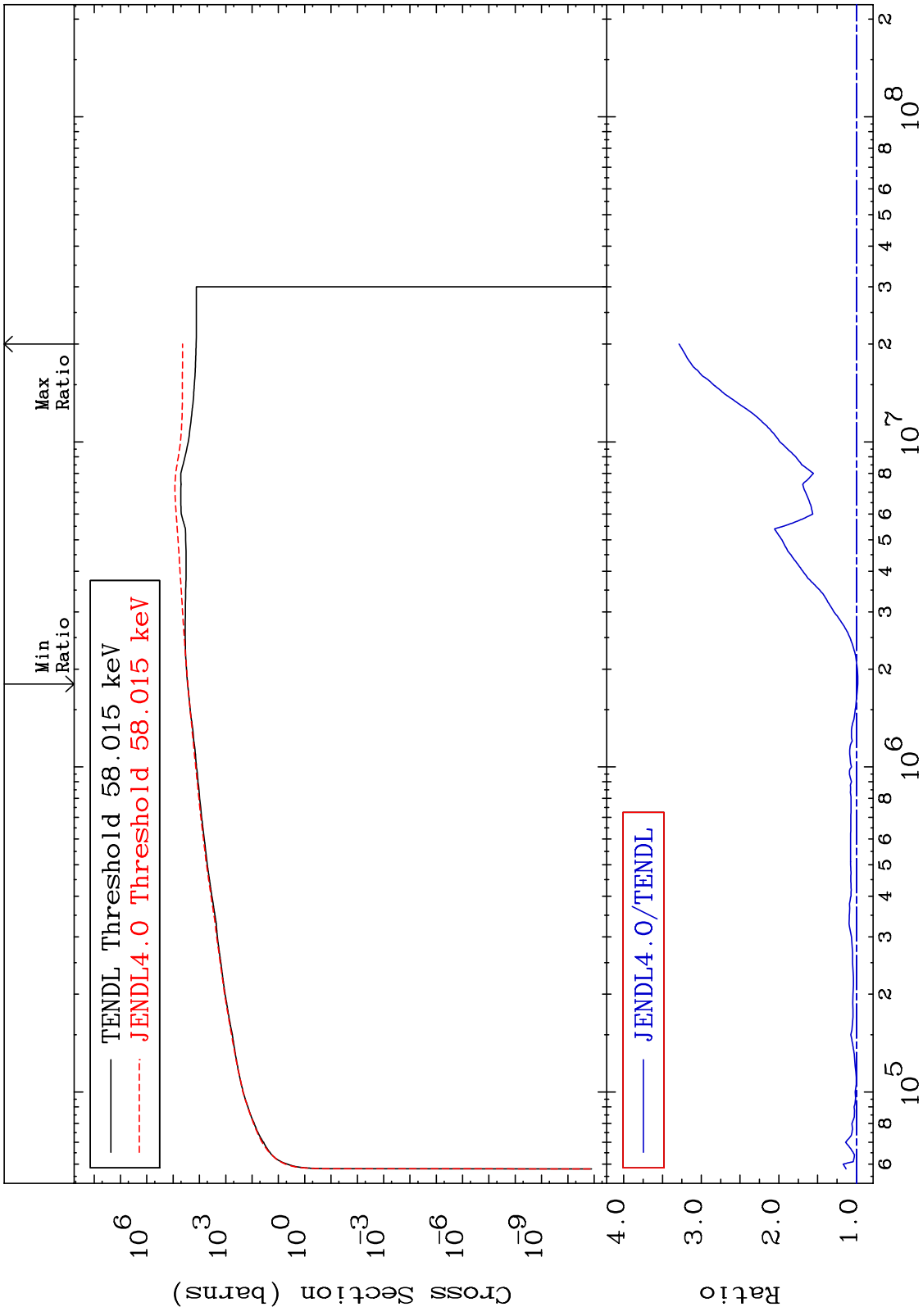
Dpa total (eV-barns)
Cross Section

90-Th-228
-99.97 To 9999. %



MAT 9028 90-Th-228
 Dpa elastic (mt2) -15.63 To 8.176 %
 Cross Section





MAT 9028 Dpa disappearance (mt102 -120) 90-Th-228
 Cross Section -100.0 To 9999. %

