

Program Complot
(Version 2021-1)

by

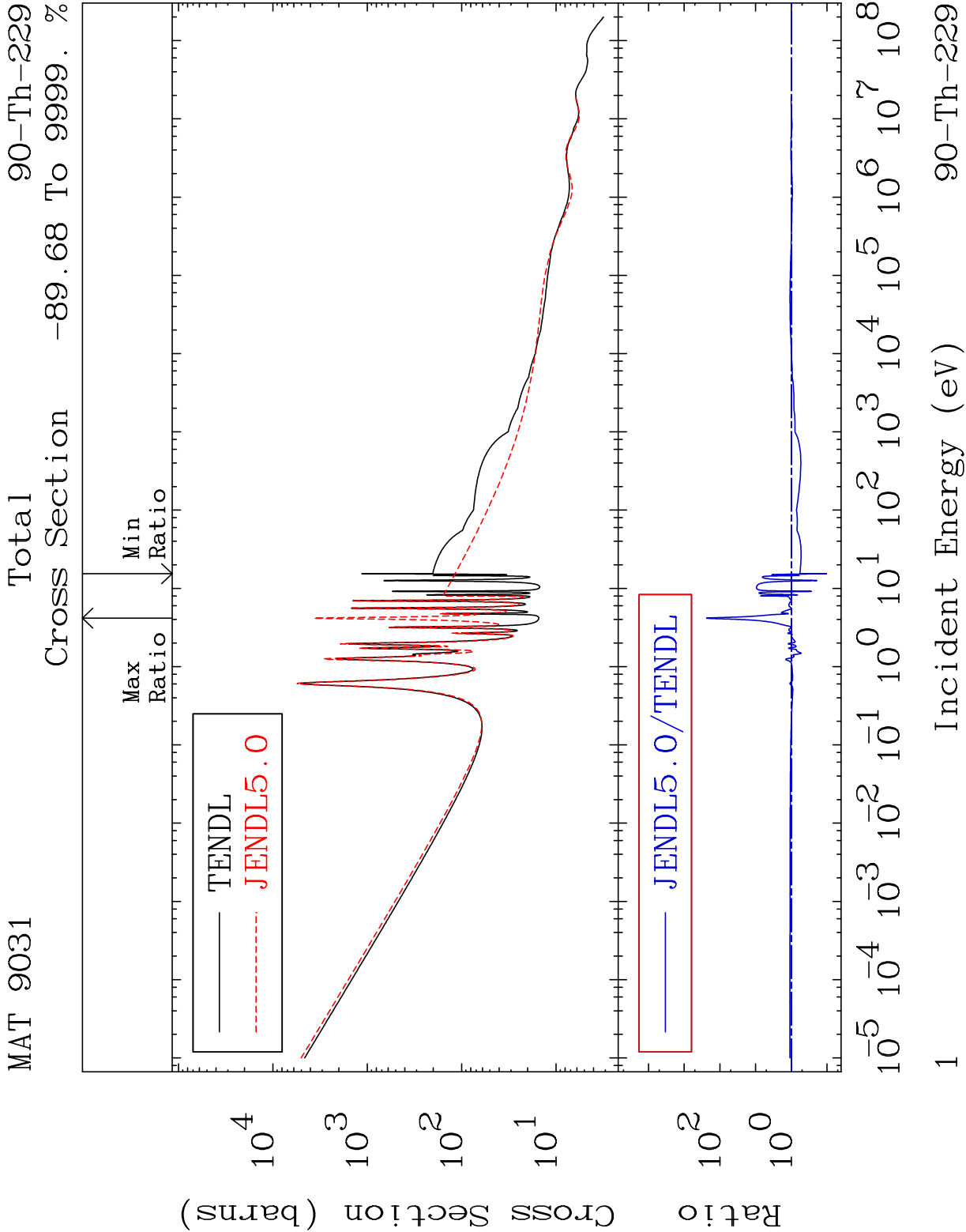
Dermott E. Cullen
(Present Contact Information)

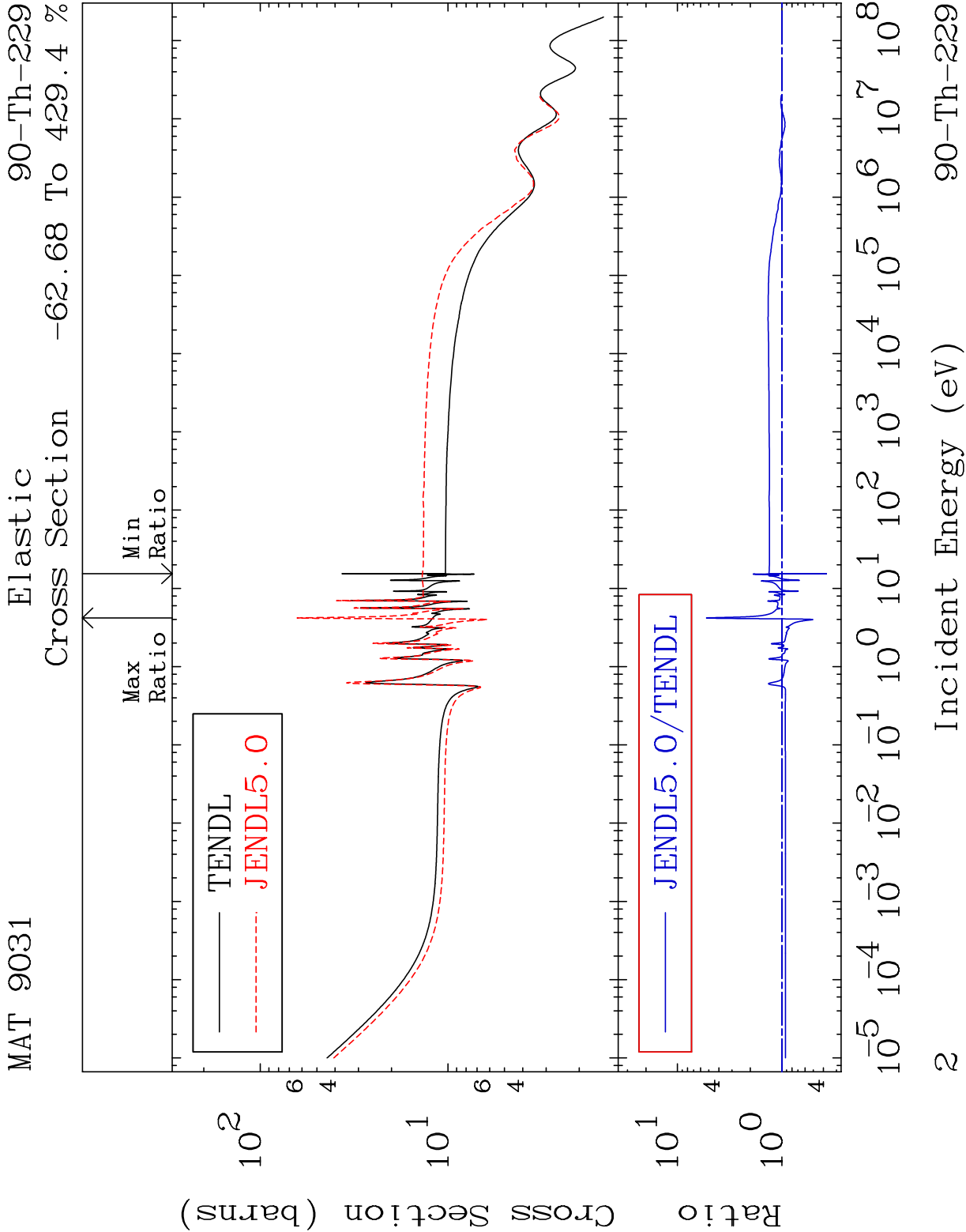
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

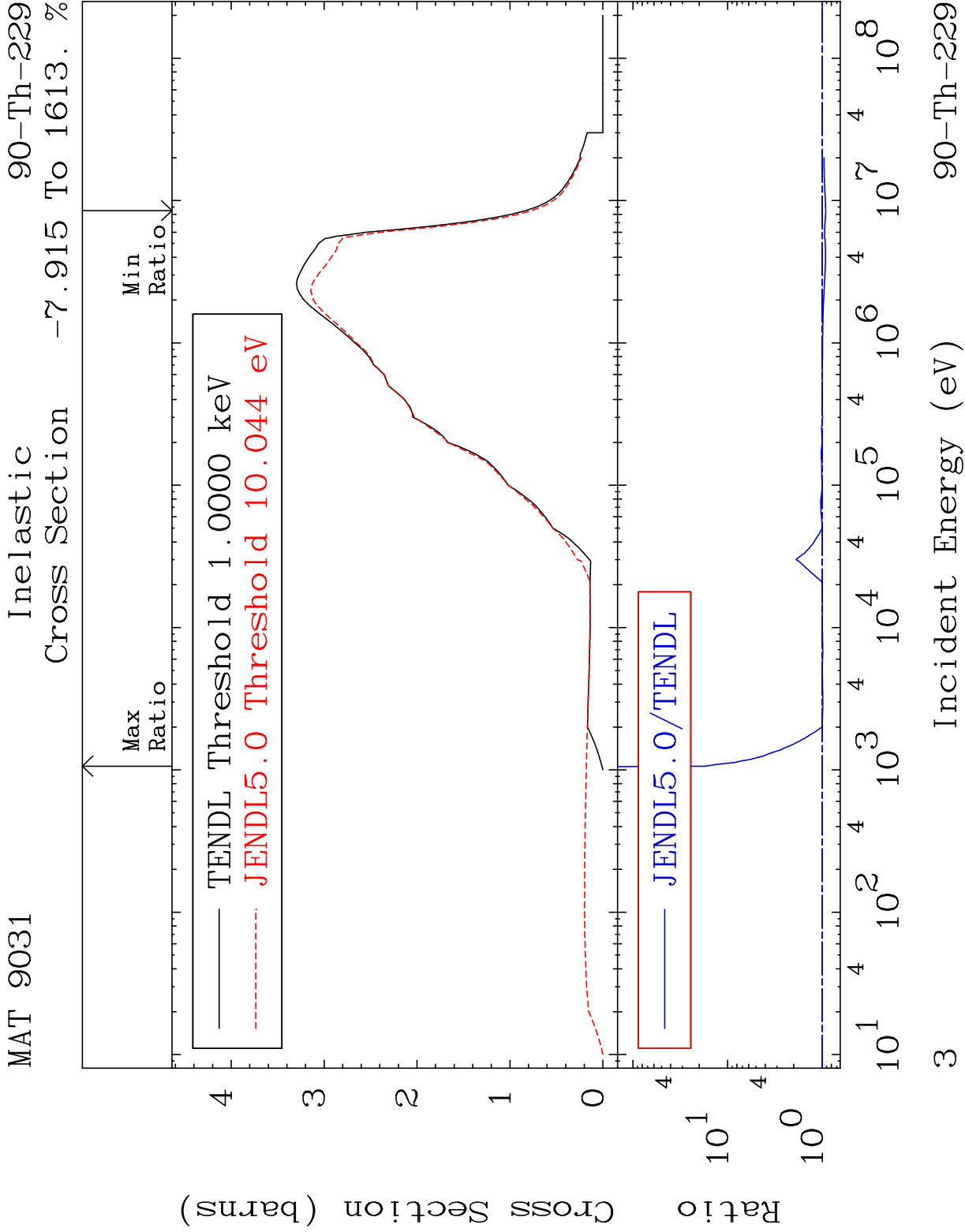
Tele: 925-443-1911

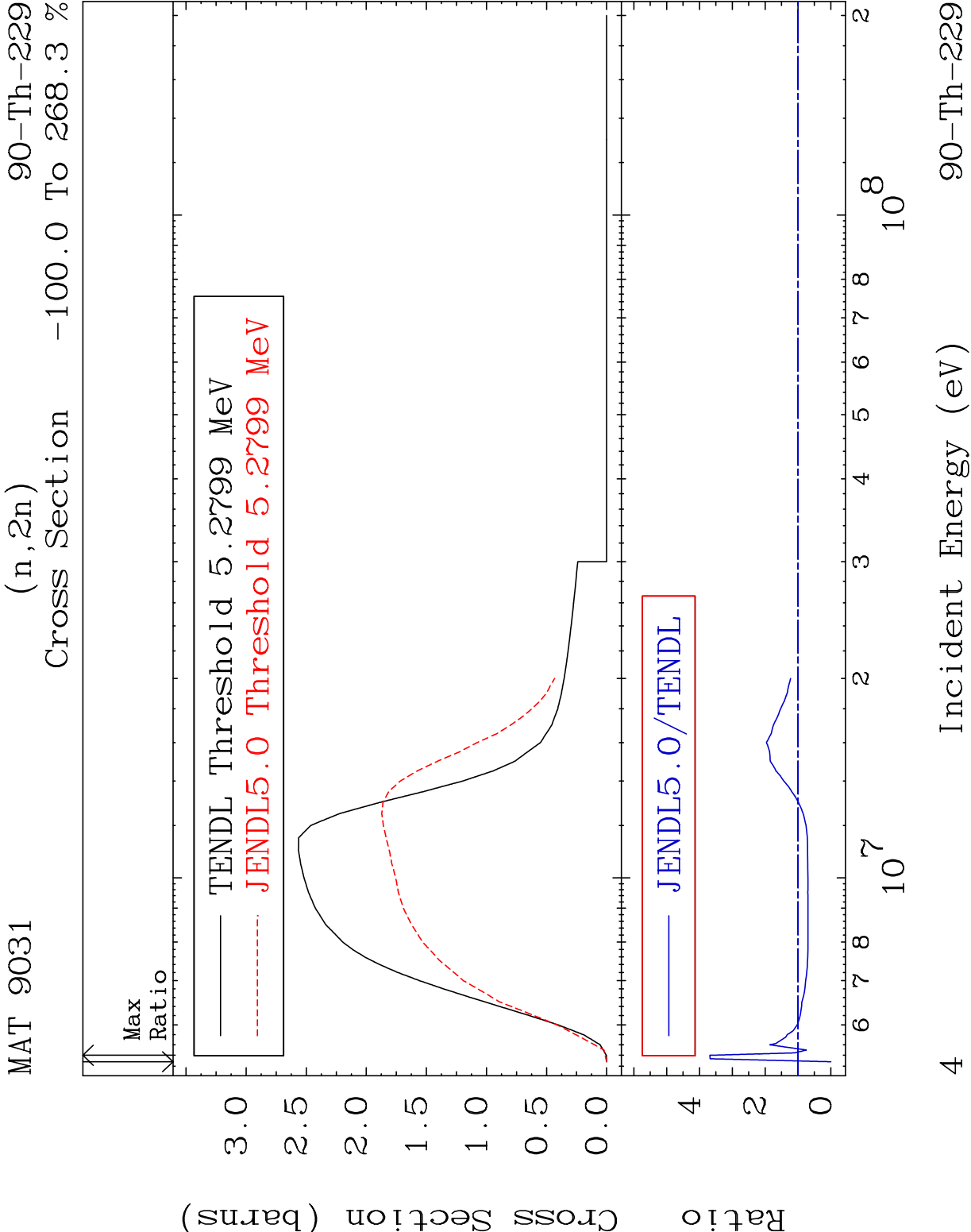
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

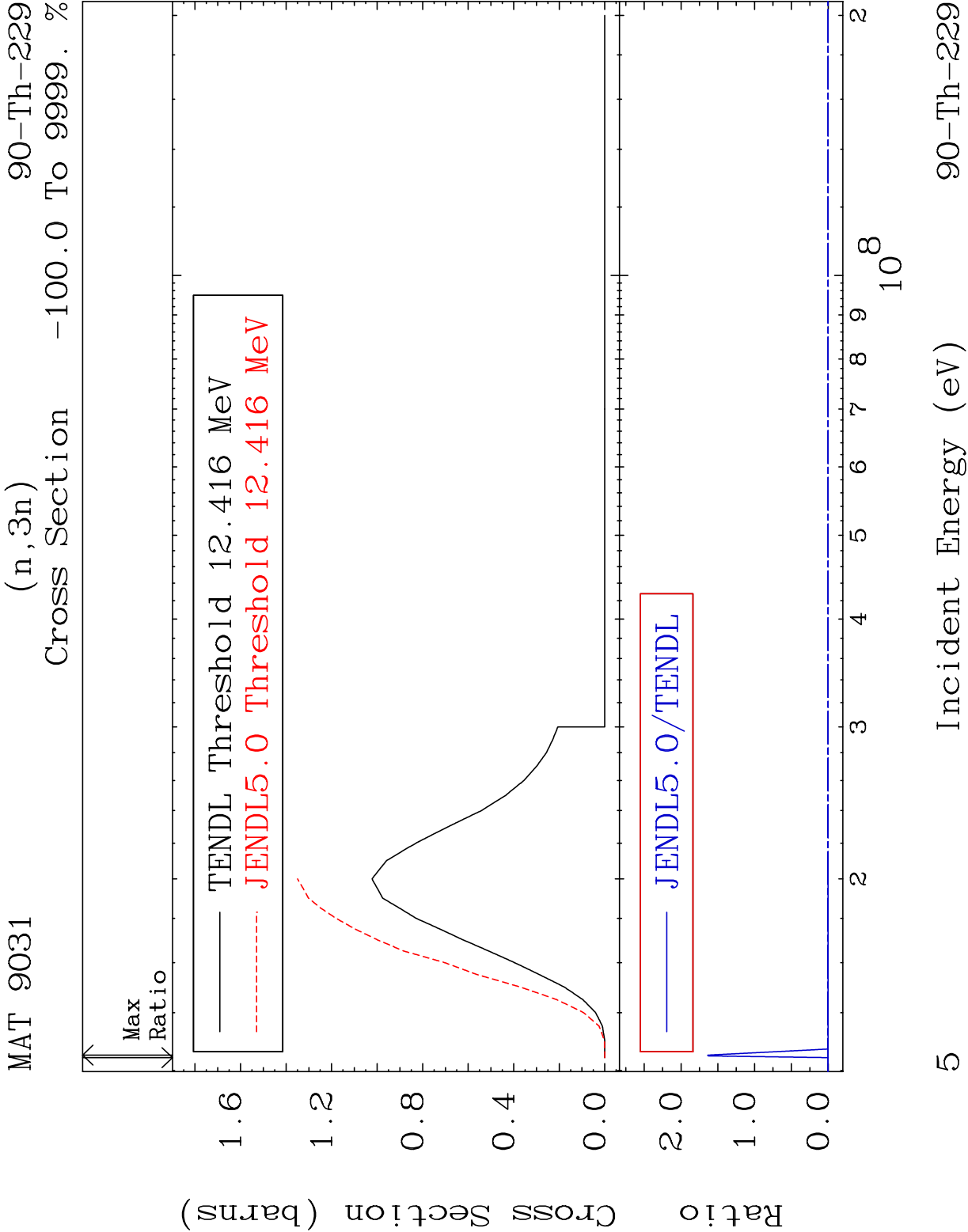
Press Mouse Button to Start









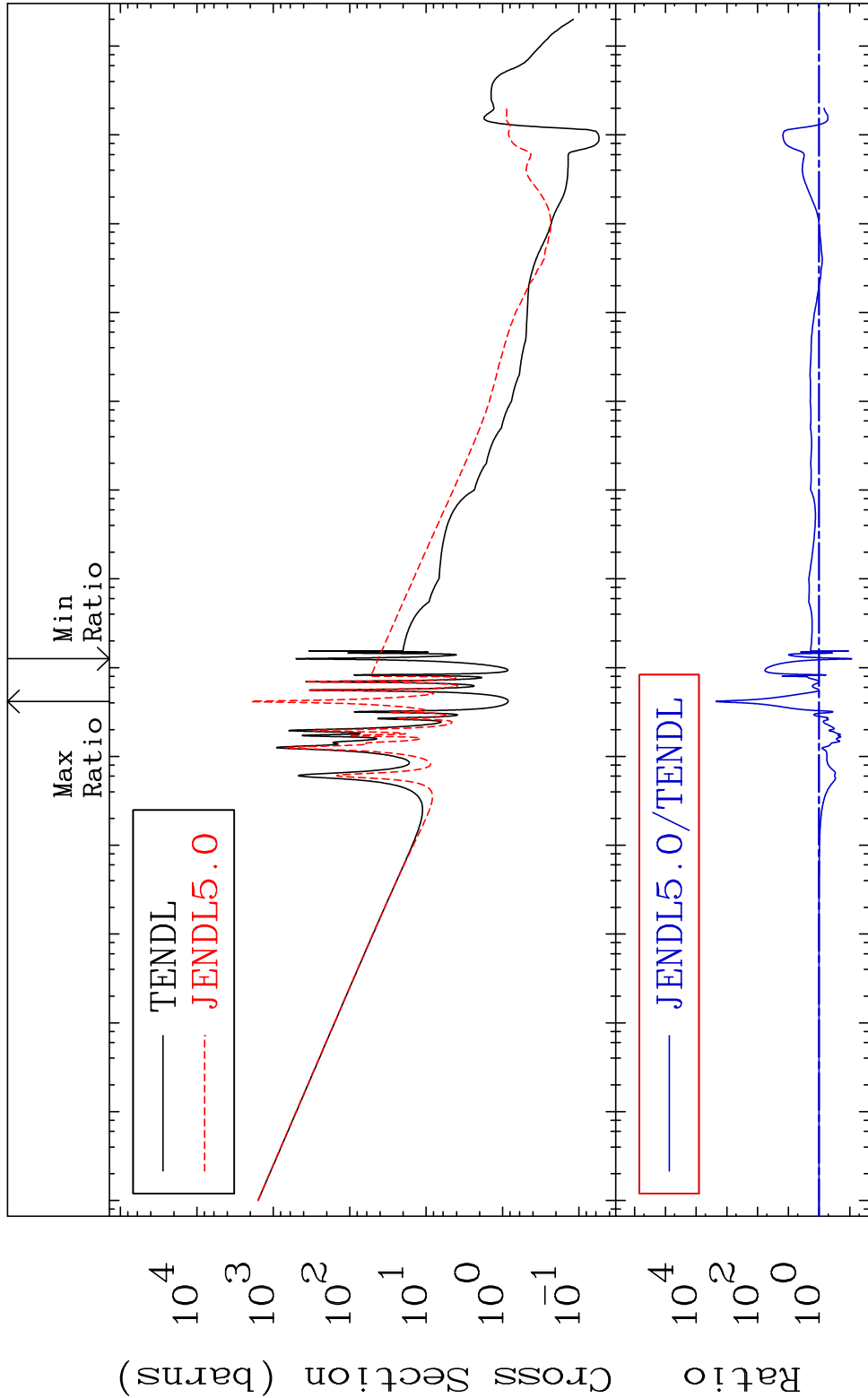


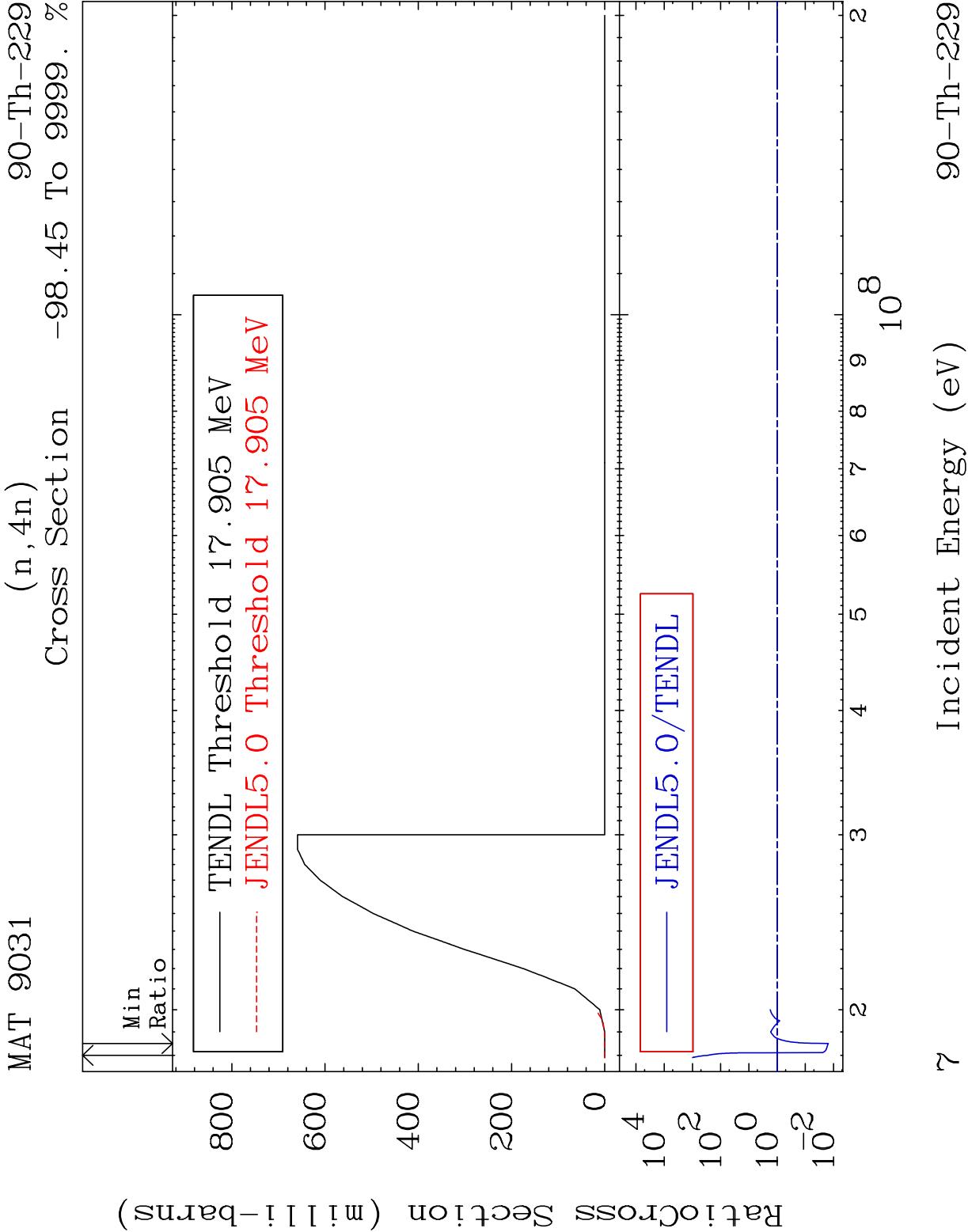
MAT 9031

Fission

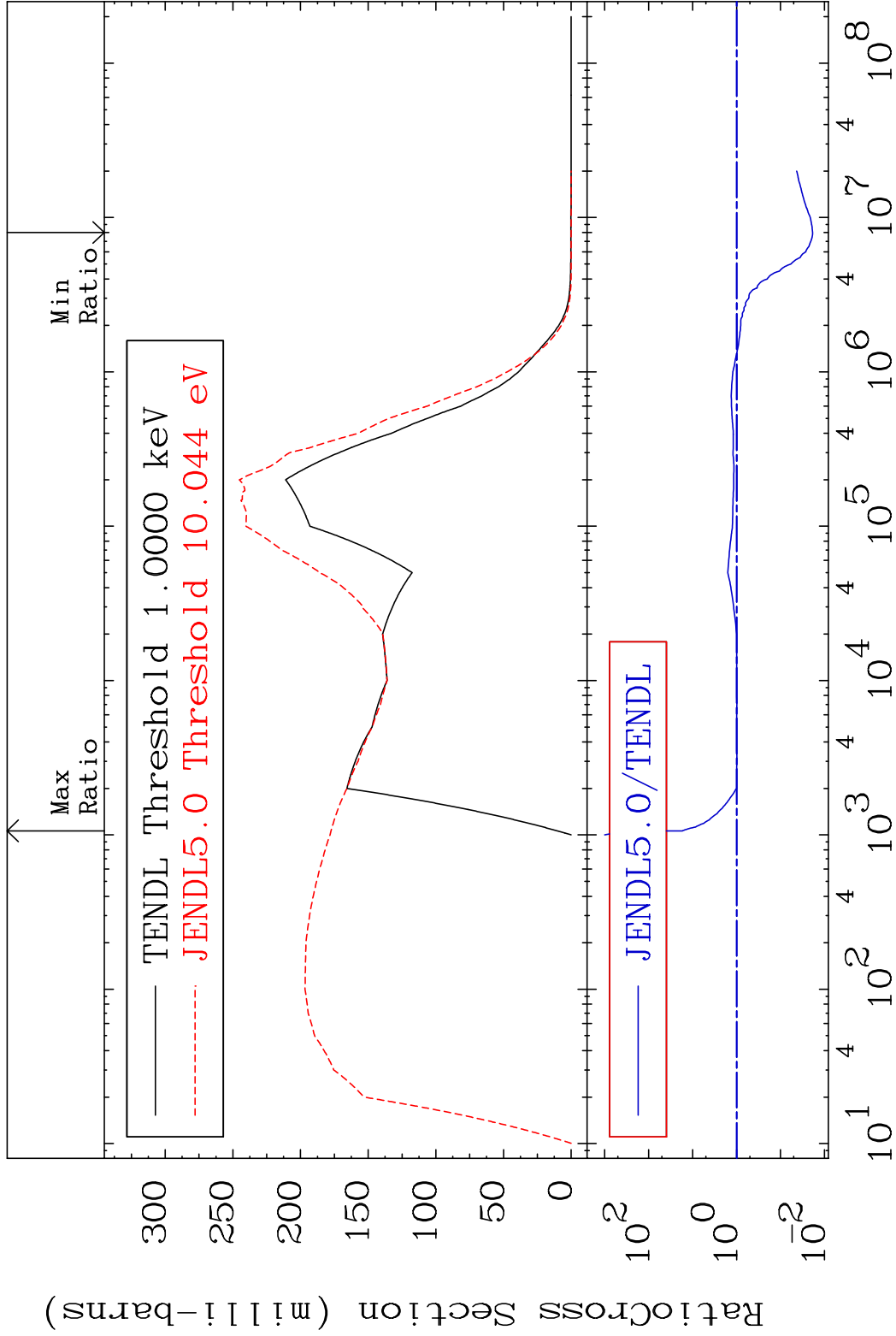
90-Th-229

Cross Section -91.62 To 9999. %



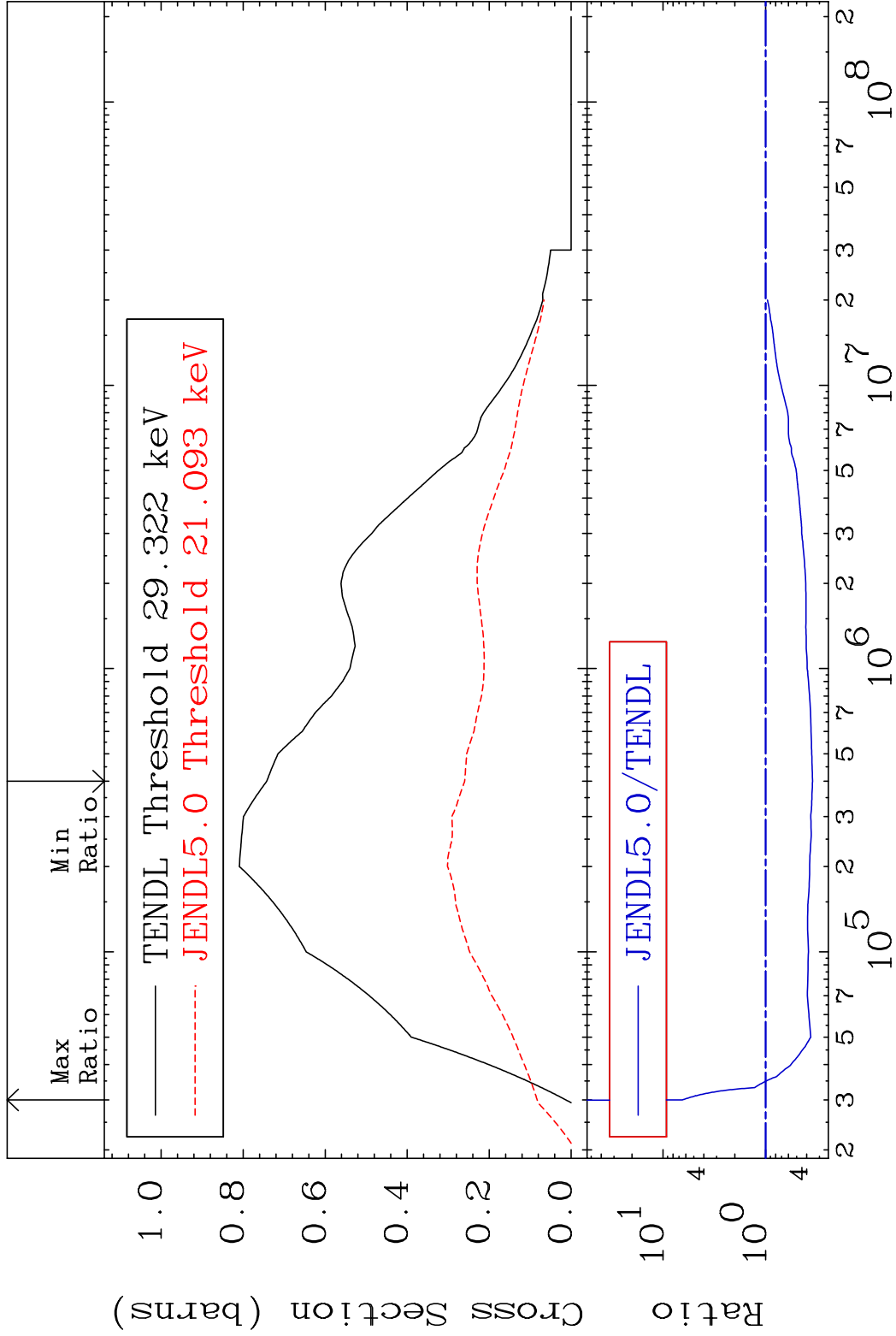


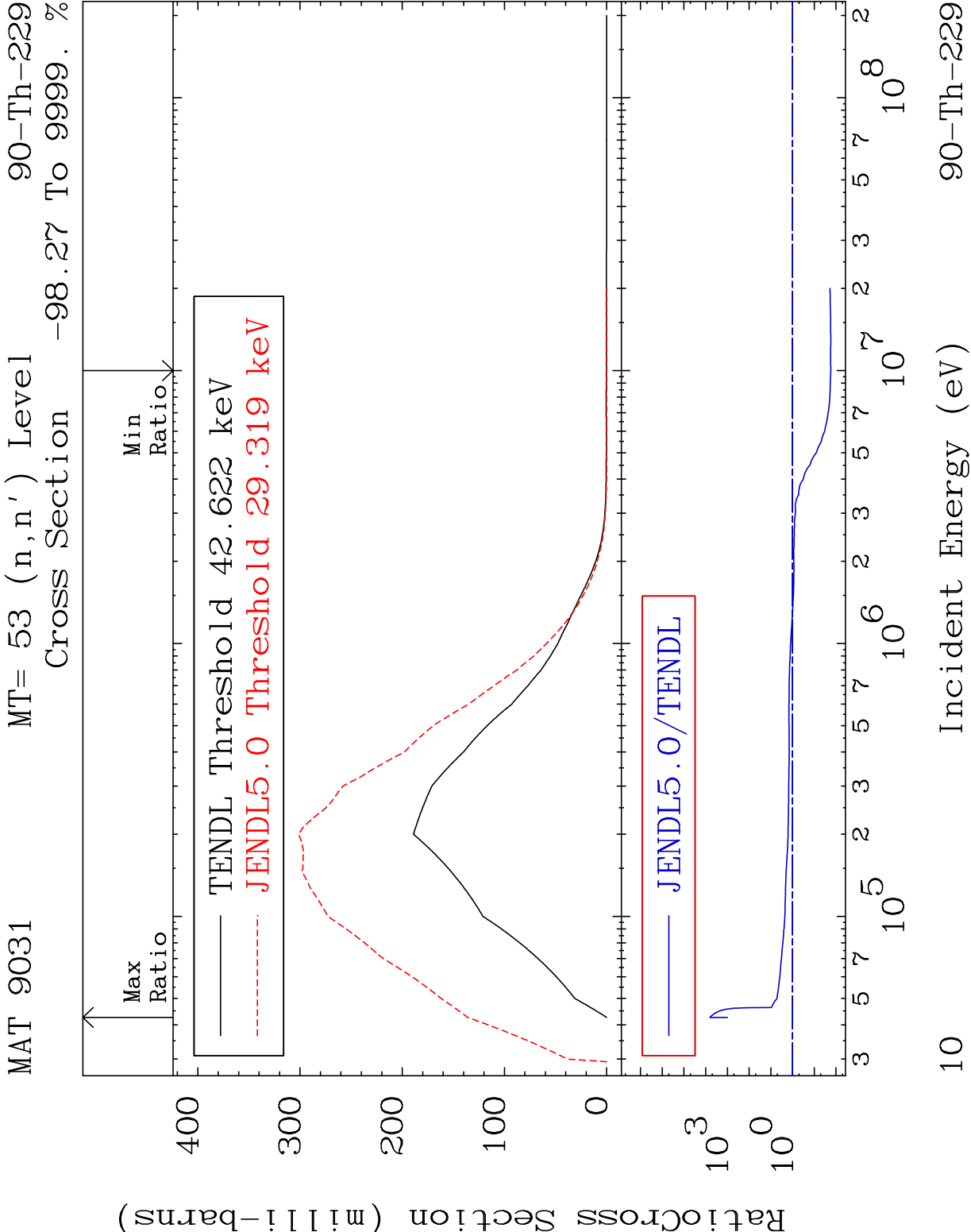
MAT 9031 MT= 51 (n,n') Level 90-Th-229
Cross Section -98.13 To 1613. %



8 Incident Energy (eV) 90-Th-229

MAT 9031 MT= 52 (n,n') Level 90-Th-229
Cross Section -65.02 To 547.7 %





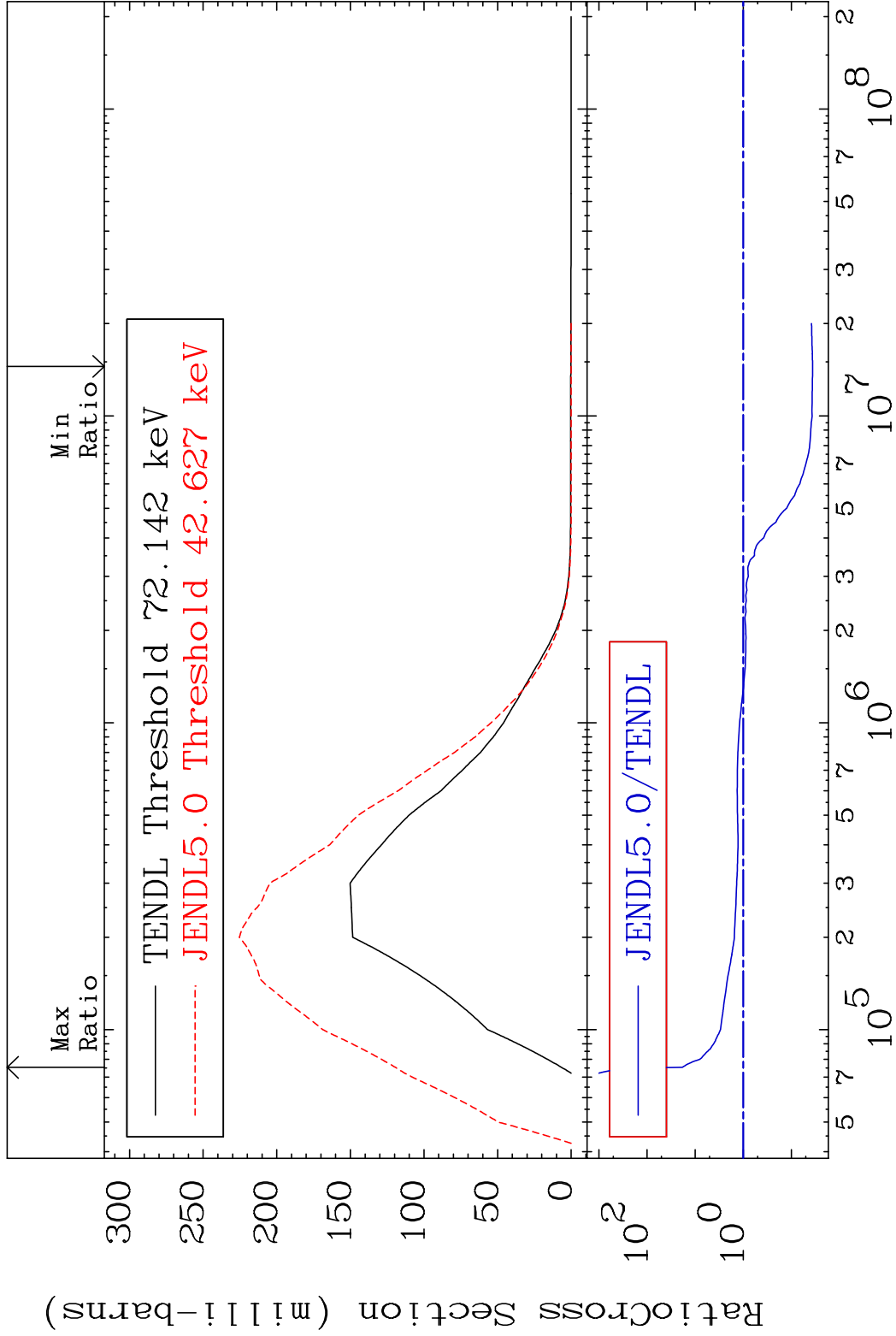
Ratio Cross Section (milli-barns)

10

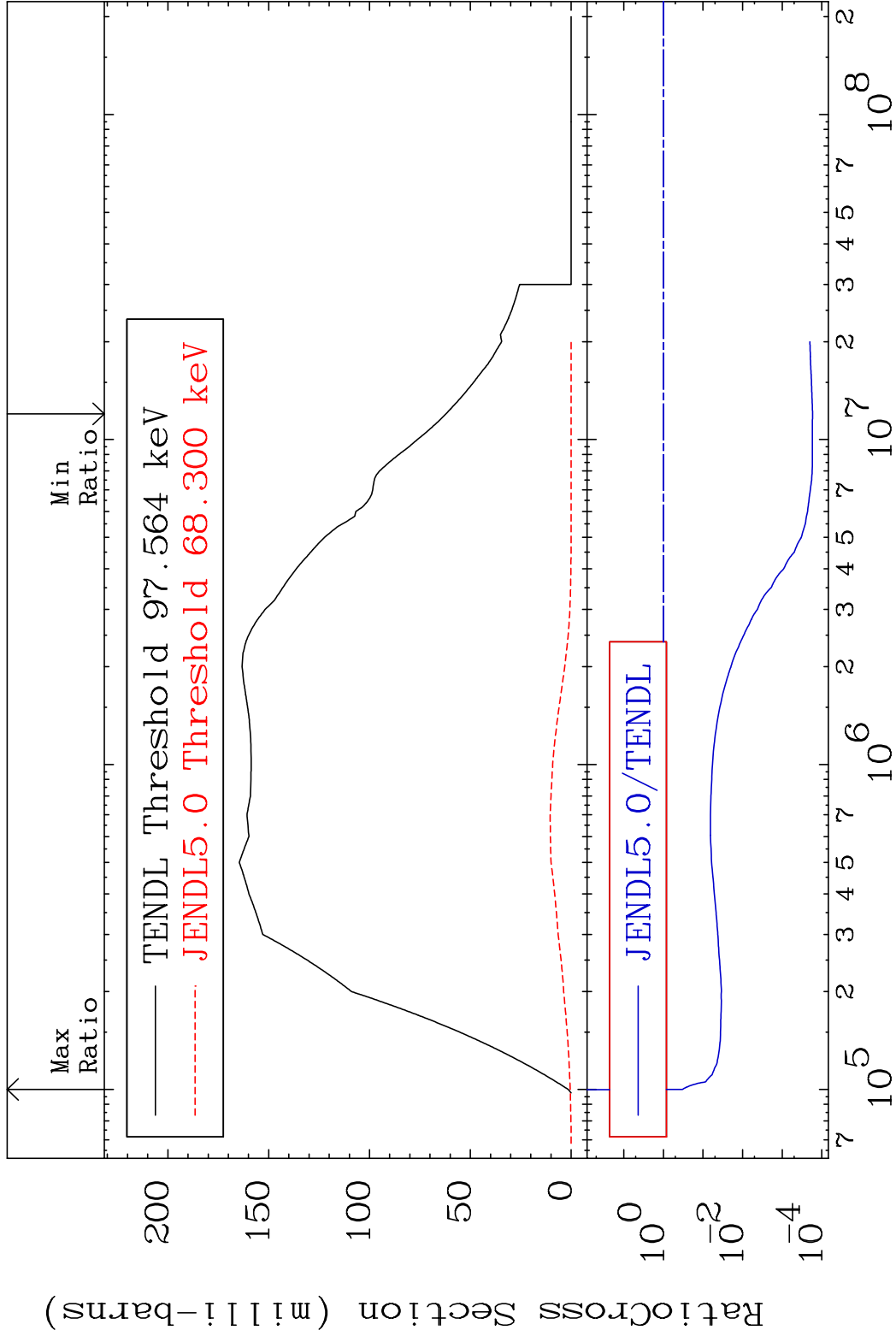
Incident Energy (eV)

90-Th-229

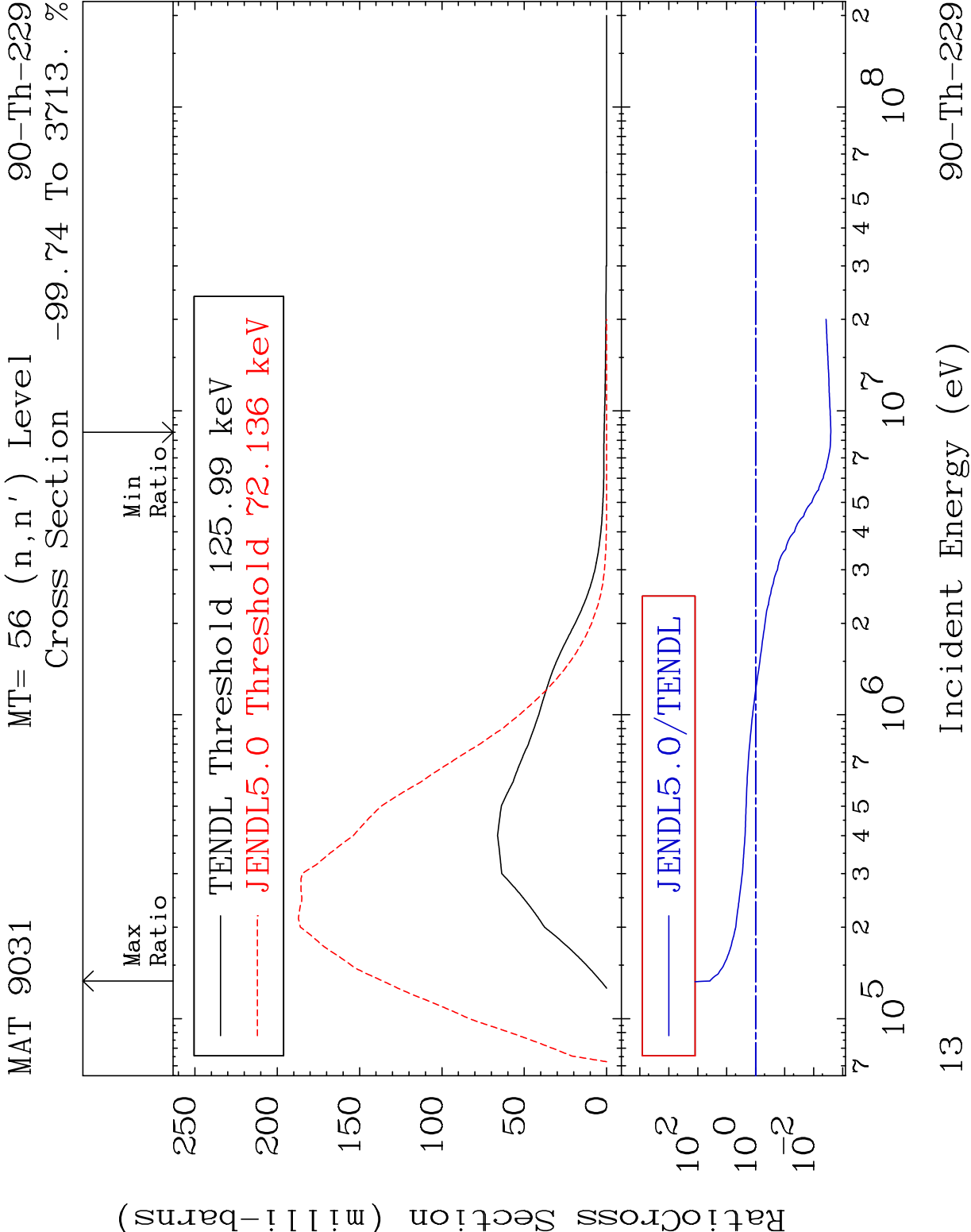
MAT 9031 MT= 54 (n,n') Level 90-Th-229
Cross Section -96.39 To 1736. %



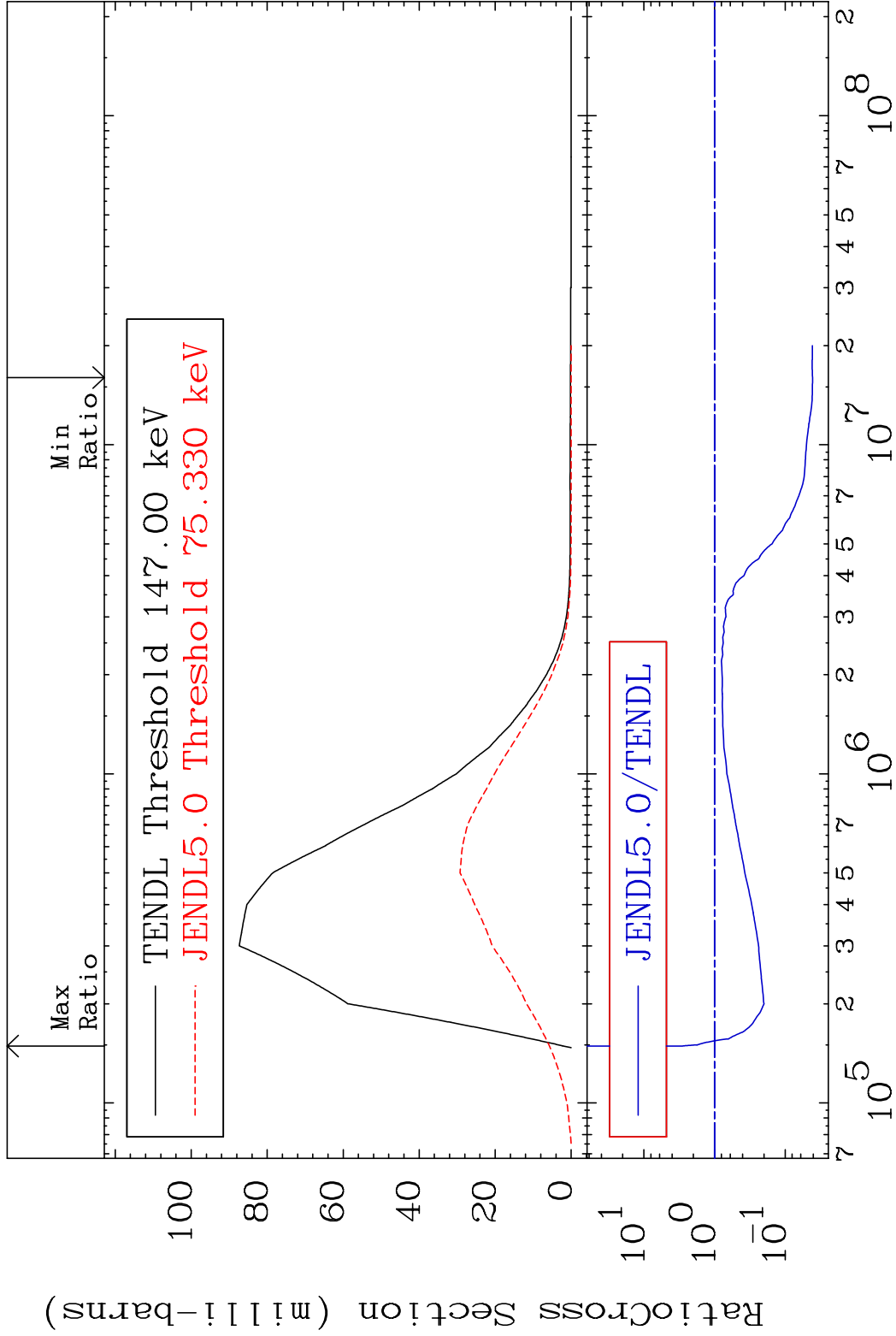
MAT 9031 MT= 55 (n,n') Level 90-Th-229
Cross Section -99.98 To -66.79%



12 Incident Energy (eV) 90-Th-229



MAT 9031 MT= 57 (n,n') Level 90-Th-229
Cross Section -95.90 To 185.9 %



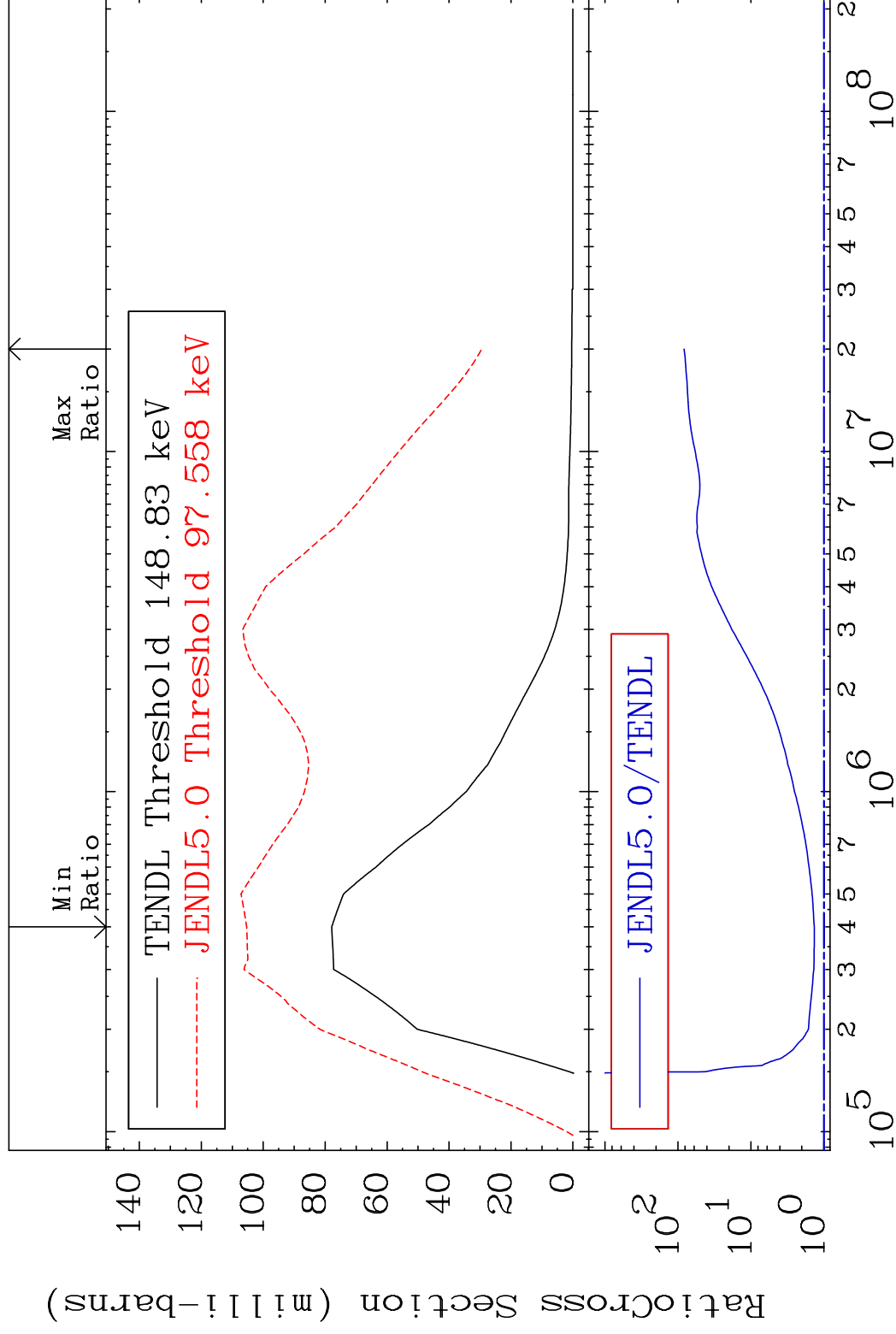
14 Incident Energy (eV) 90-Th-229

MAT 9031

MT= 58 (n, n') Level

90-Th-229

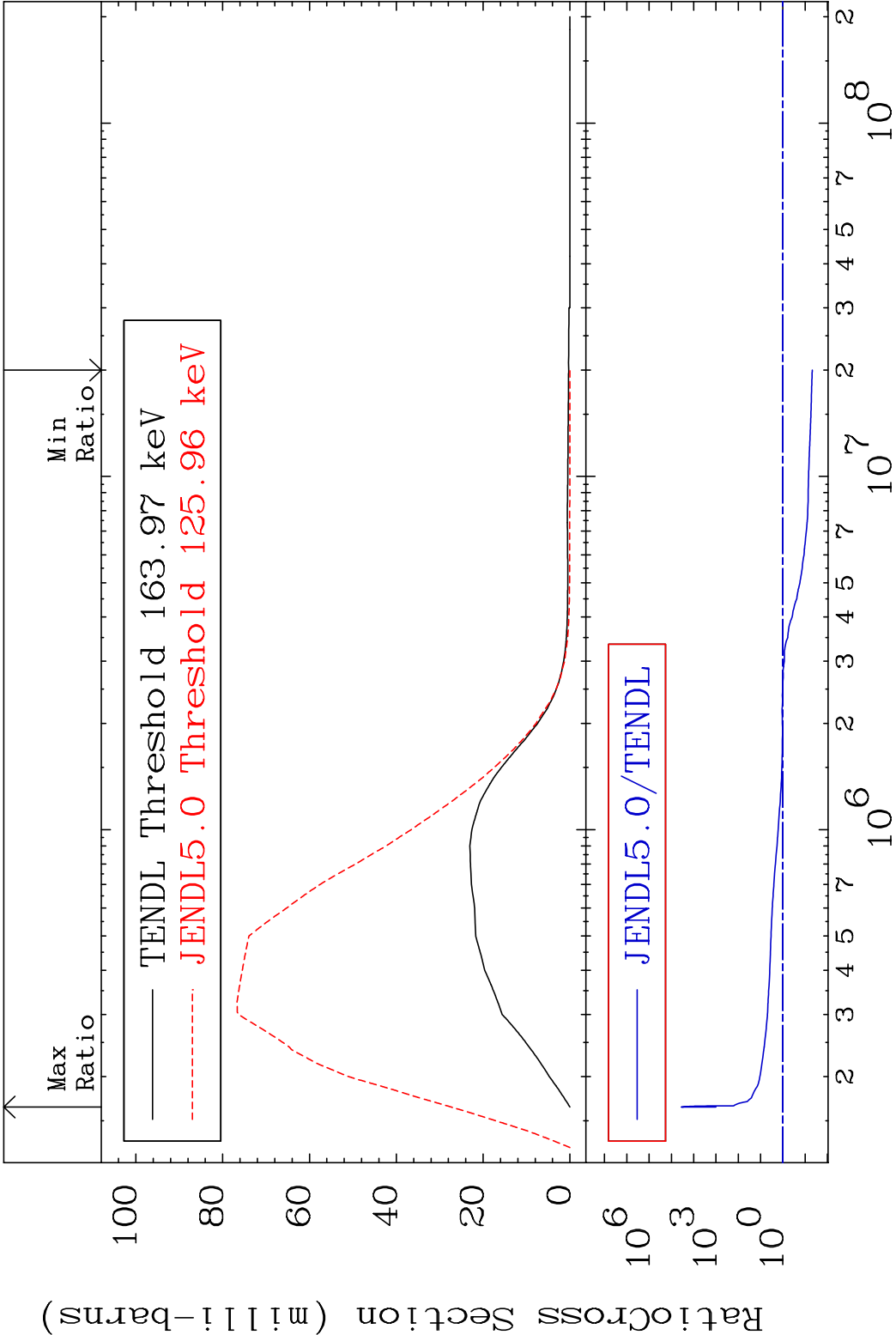
Cross Section	To 35.26	To 8143. %
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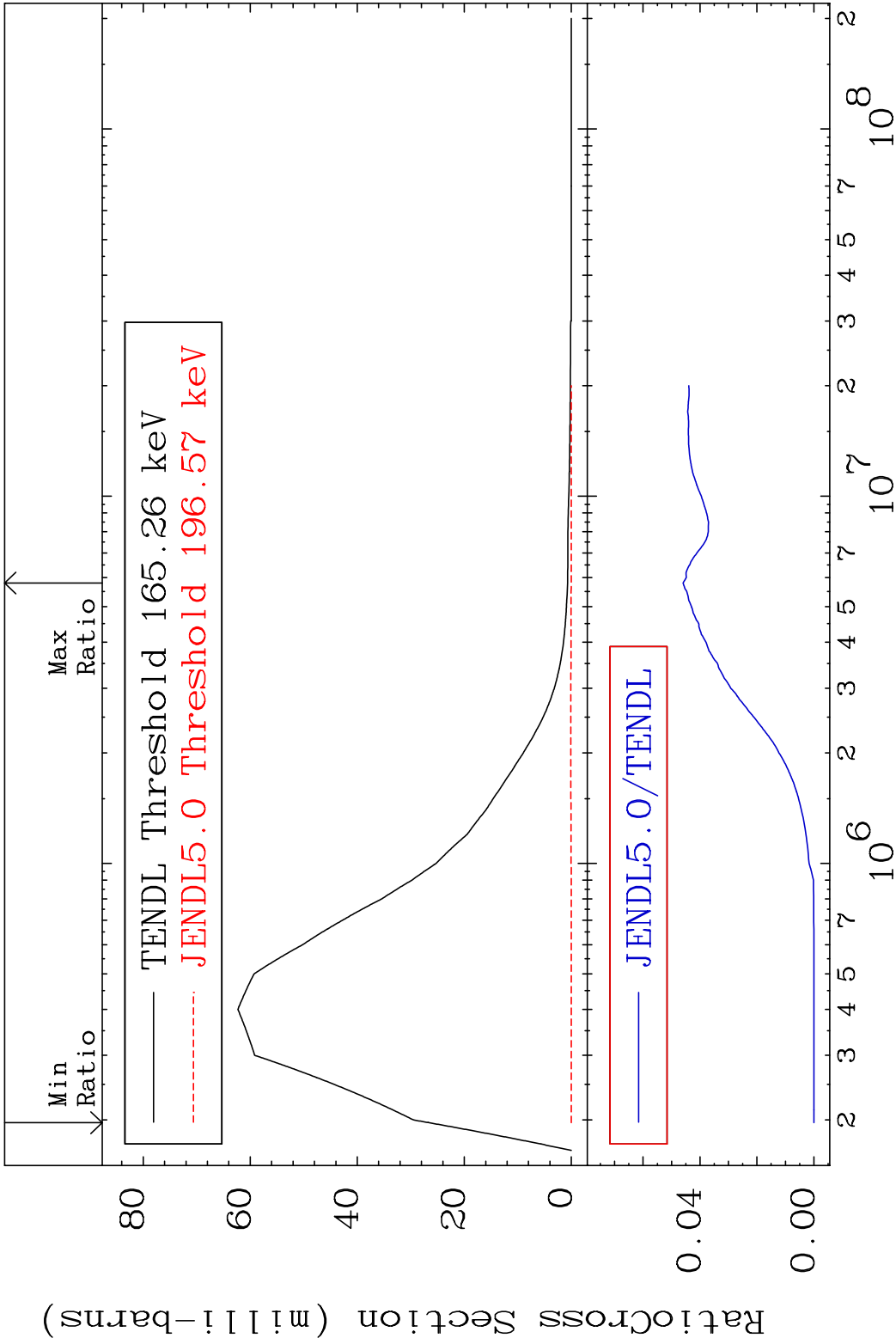
15

Incident Energy (eV)

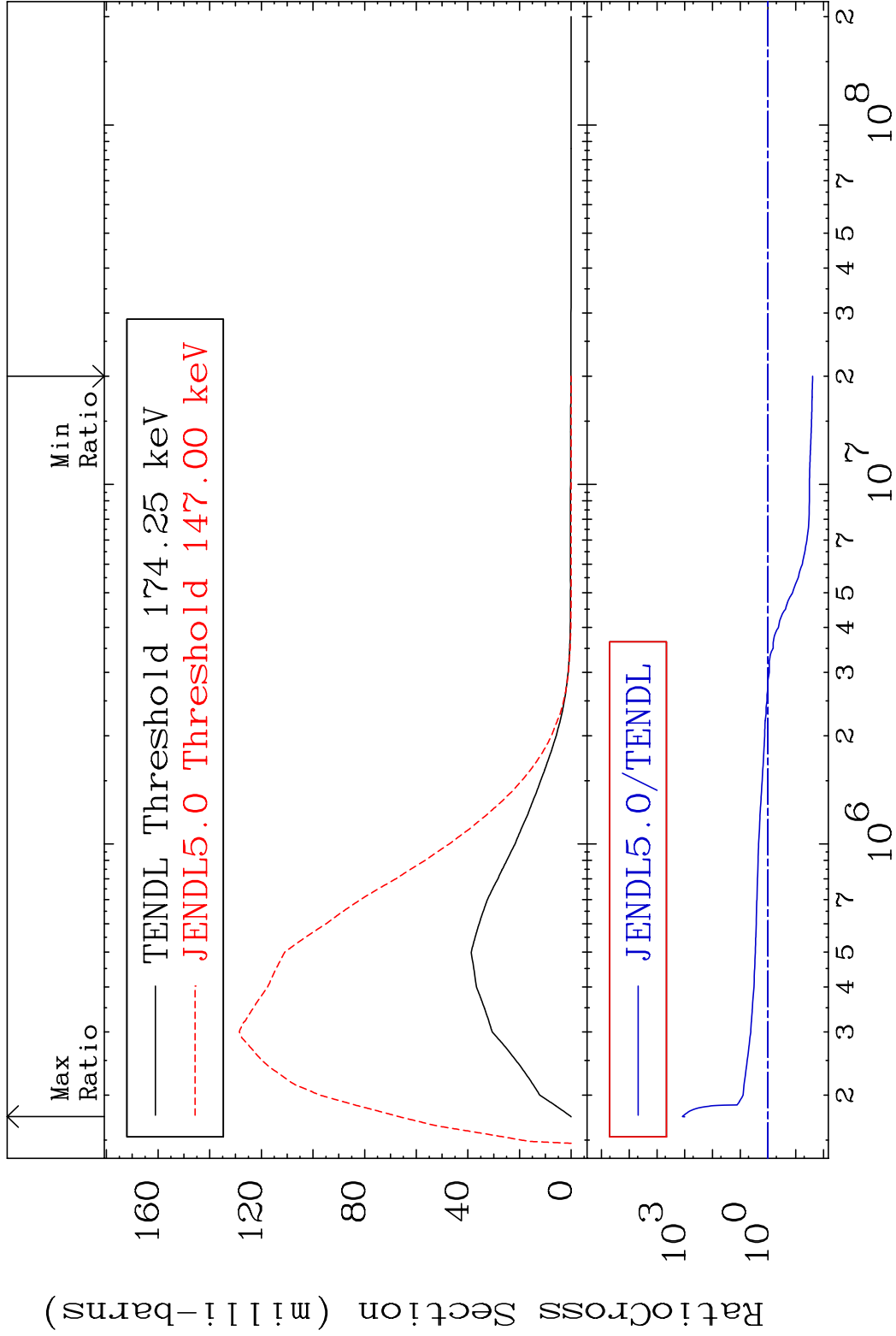
90-Th-229



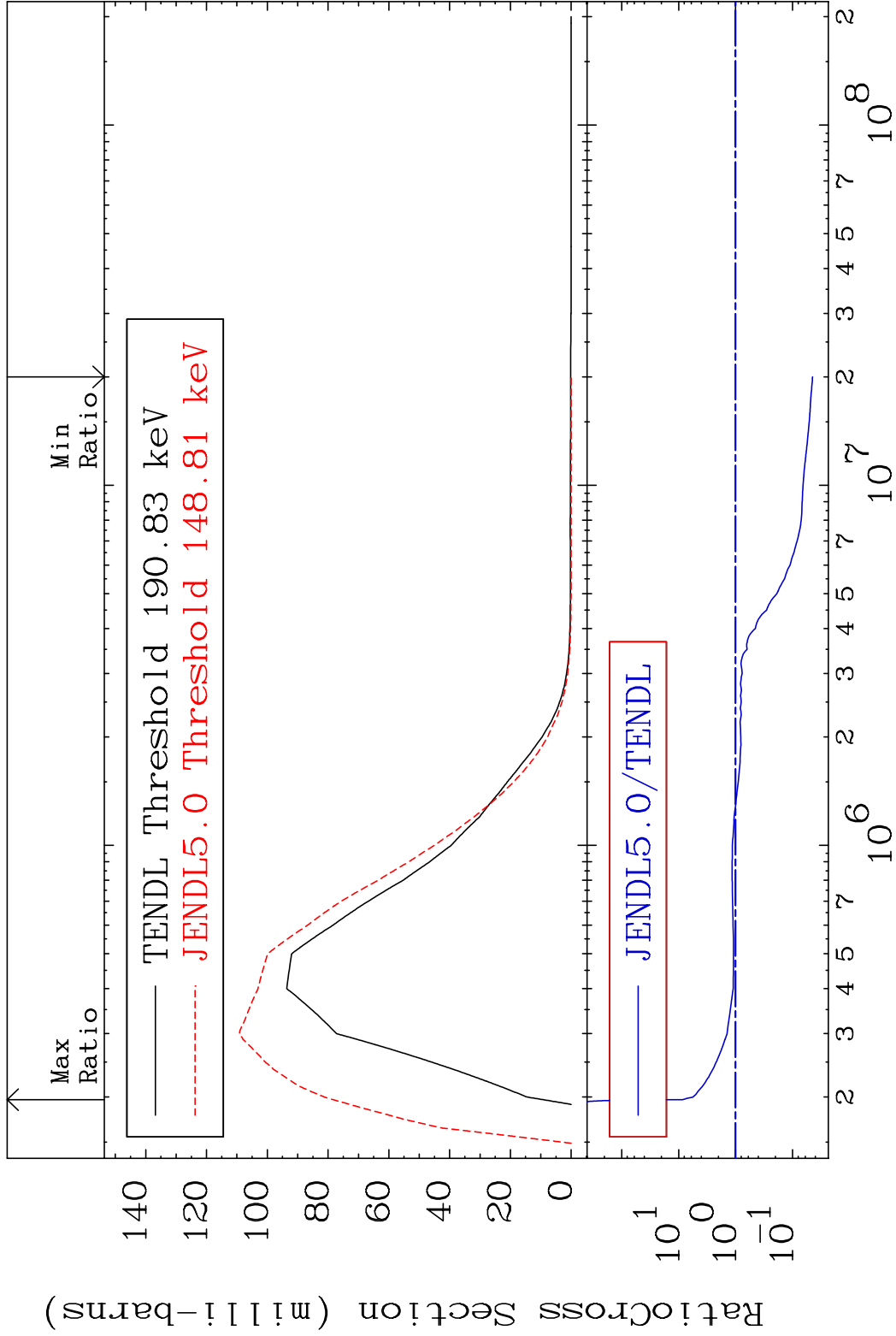
MAT 9031 MT= 60 (n,n') Level 90-Th-229
Cross Section -100.0 To -95.40%



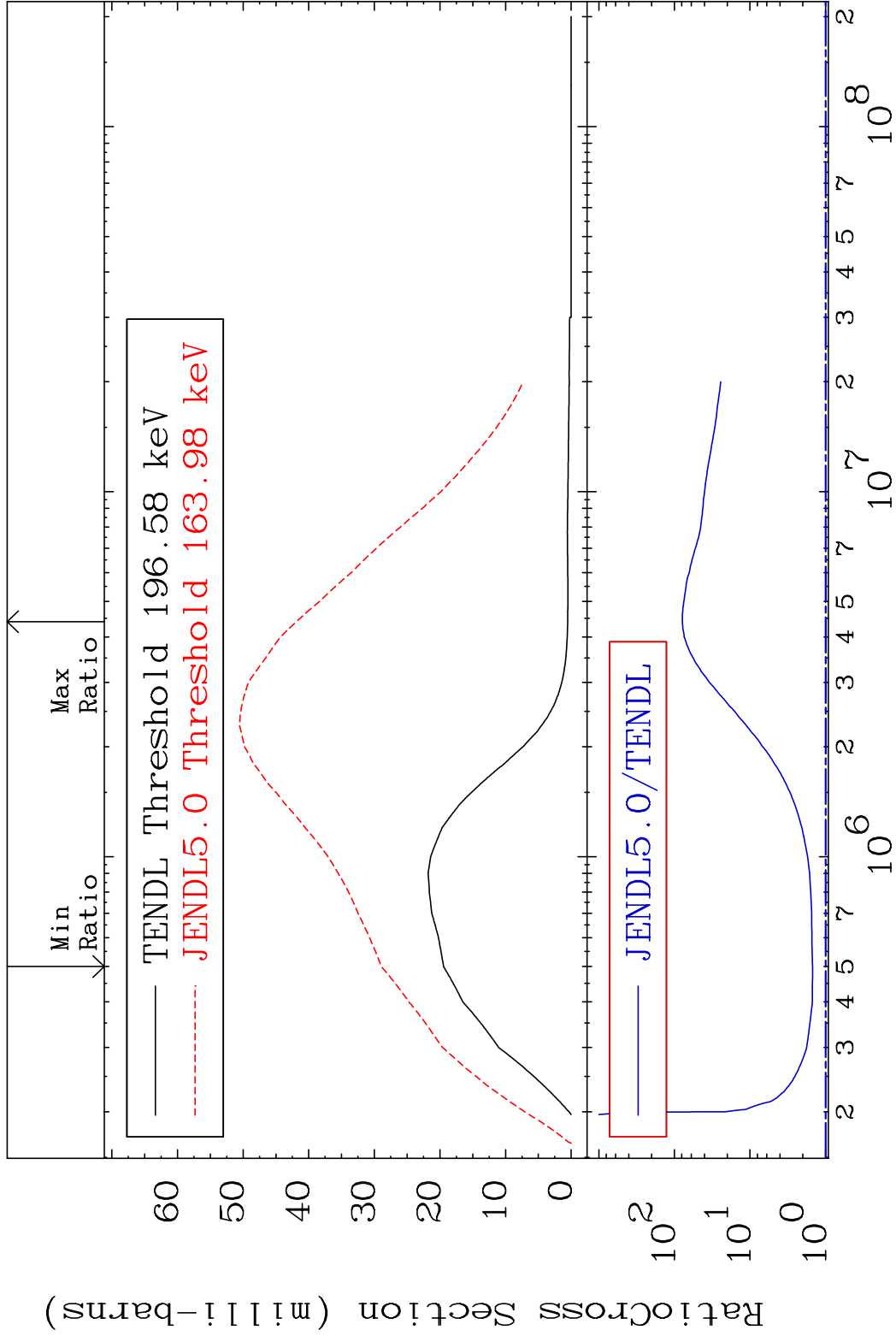
MAT 9031 MT= 61 (n,n') Level 90-Th-229
Cross Section -97.53 To 9999. %

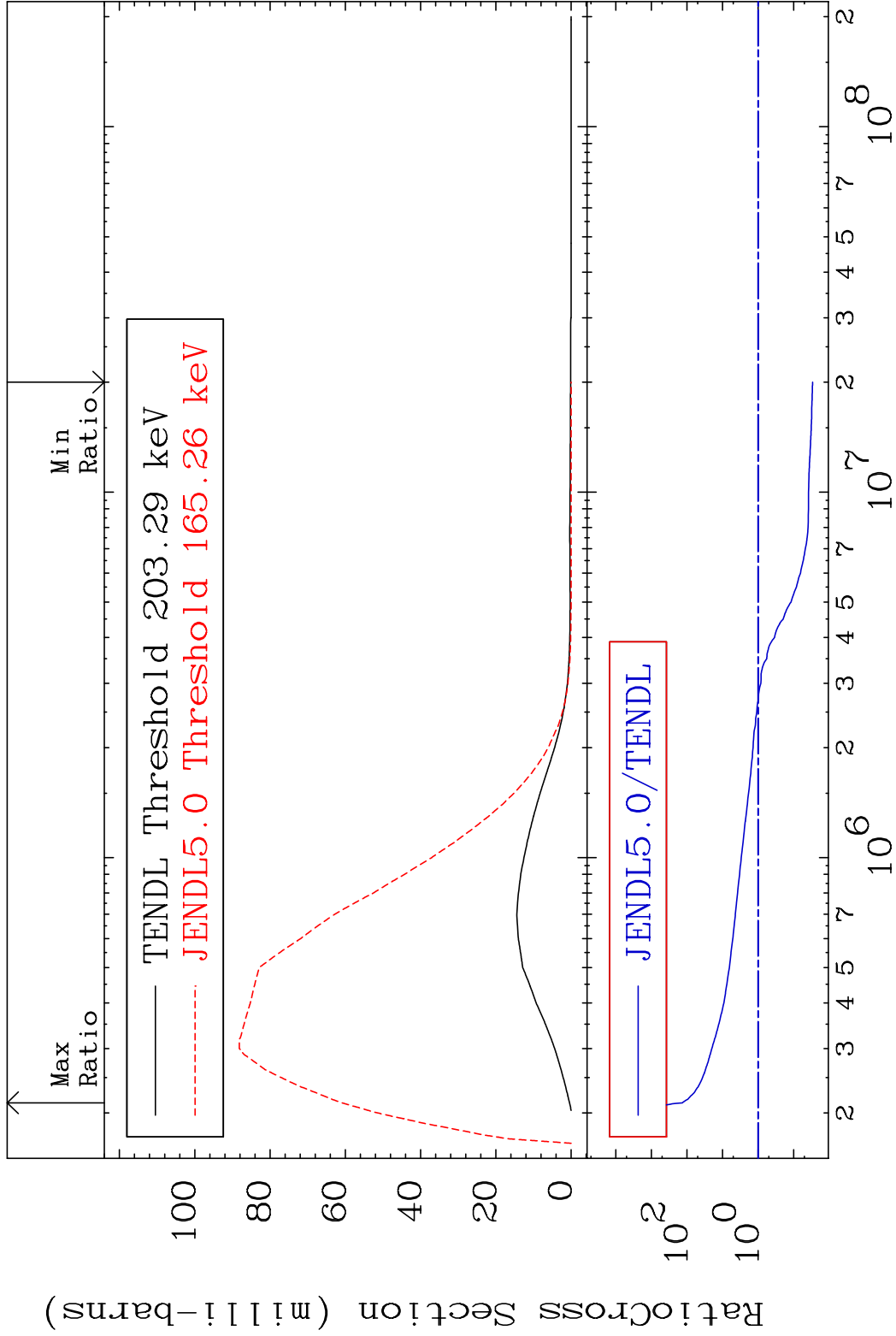


MAT 9031 MT= 62 (n,n') Level 90-Th-229
Cross Section -95.53 To 760.7 %

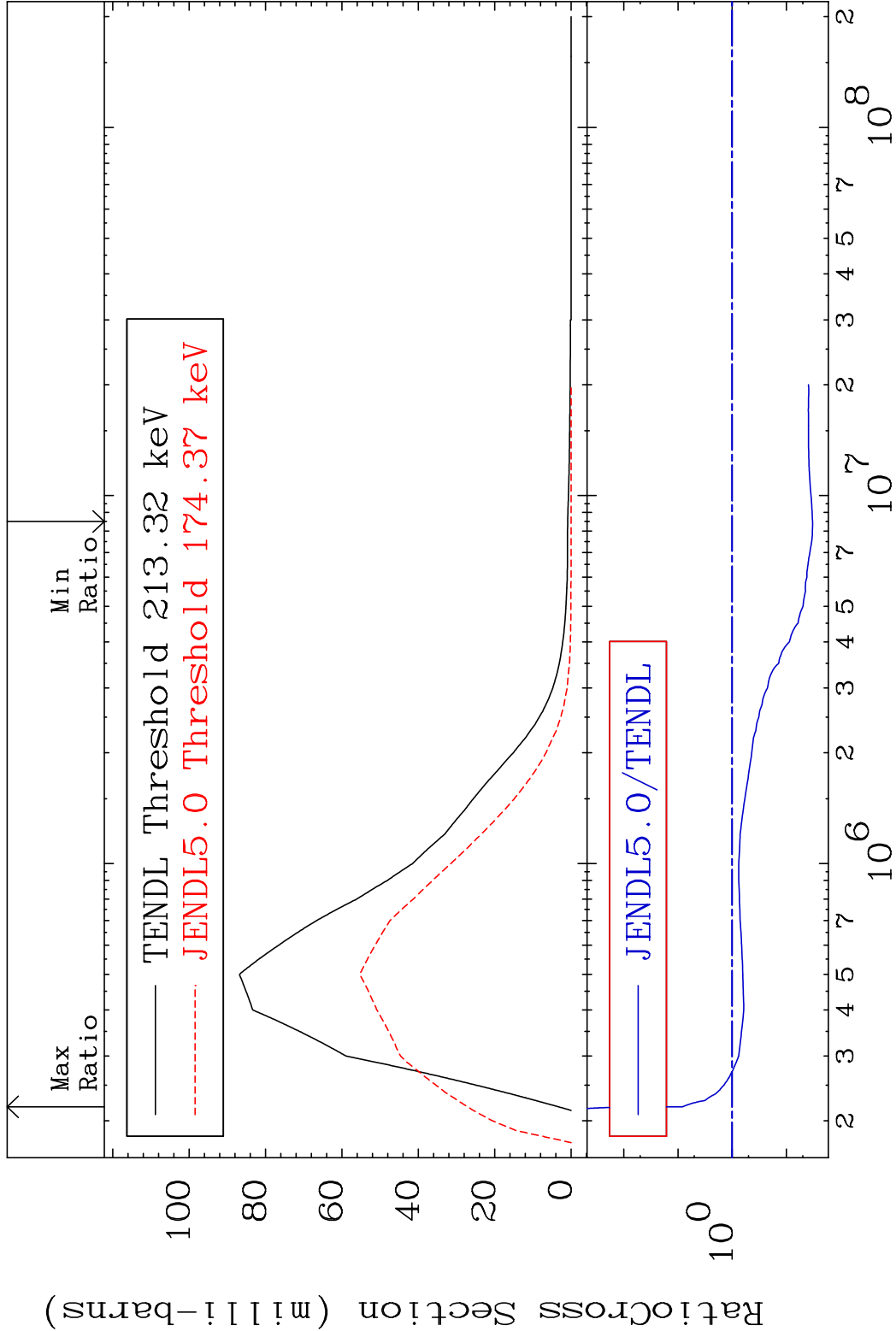


MAT 9031 MT= 63 (n,n') Level 90-Th-229
Cross Section 48.77 To 7751. %

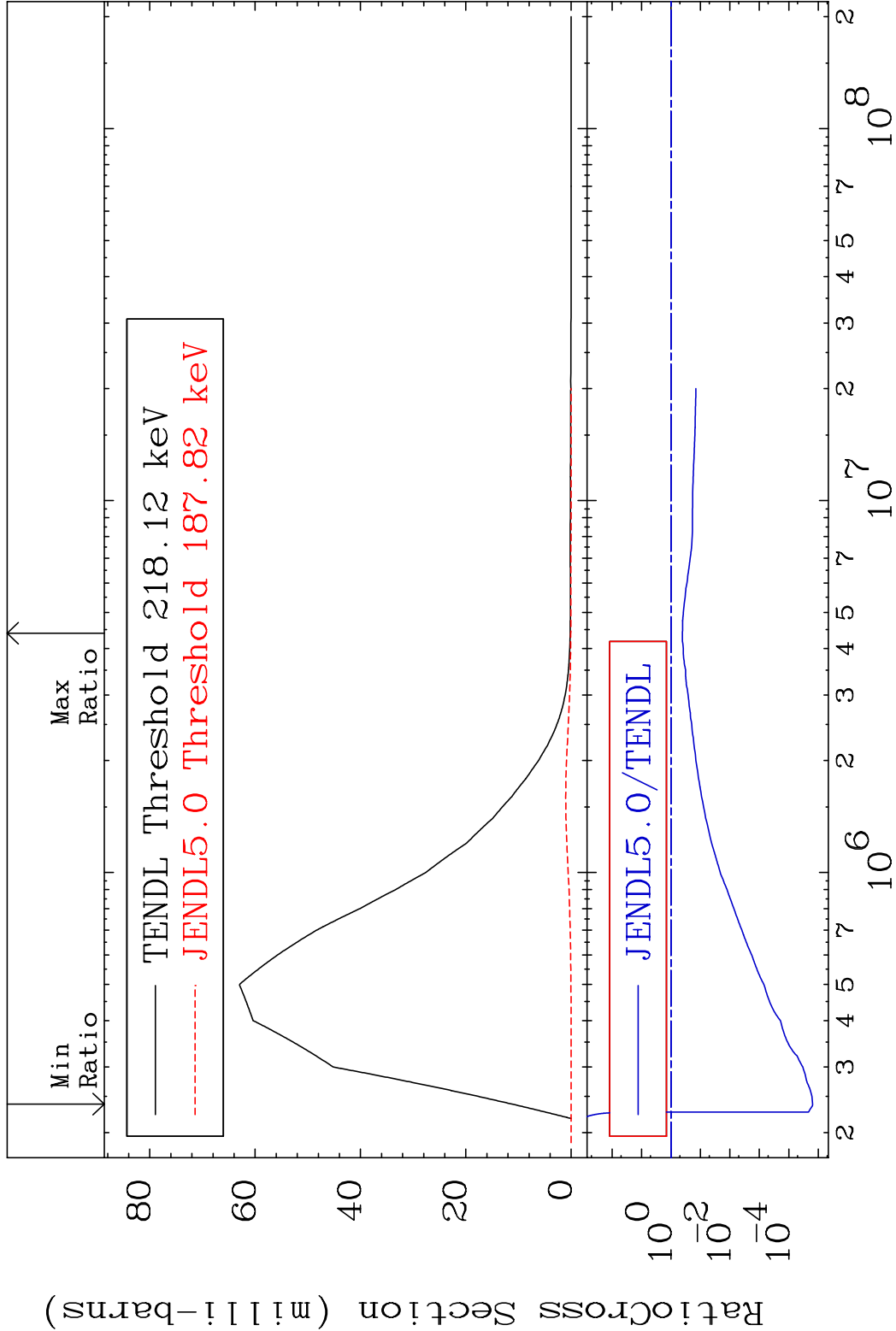




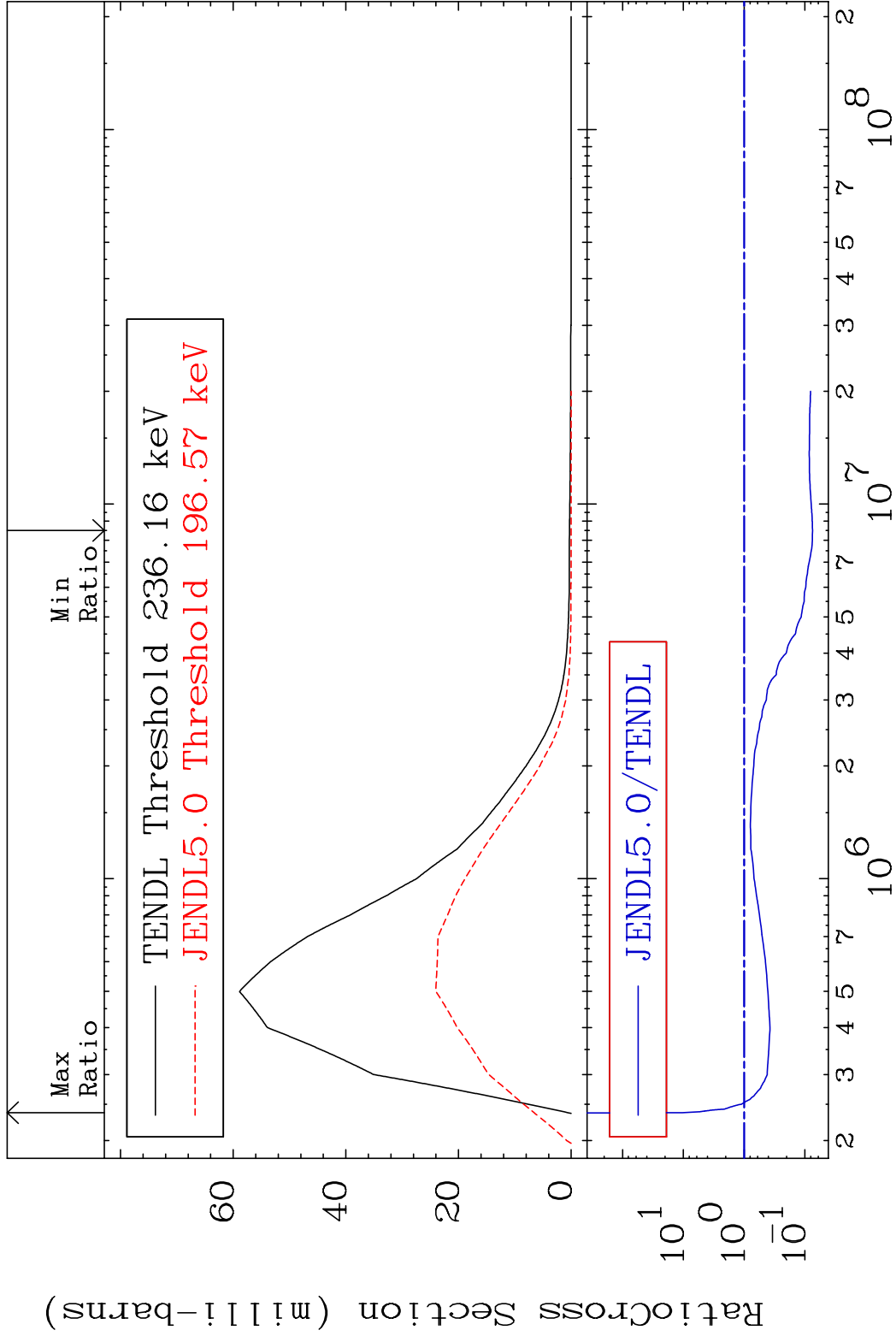
MAT 9031 MT= 65 (n,n') Level 90-Th-229
Cross Section -96.71 To 730.5 %



MAT 9031 MT= 66 (n,n') Level 90-Th-229
Cross Section -100.0 To -58.88%



MAT 9031 MT= 67 (n,n') Level 90-Th-229
Cross Section -92.51 To 937.7 %



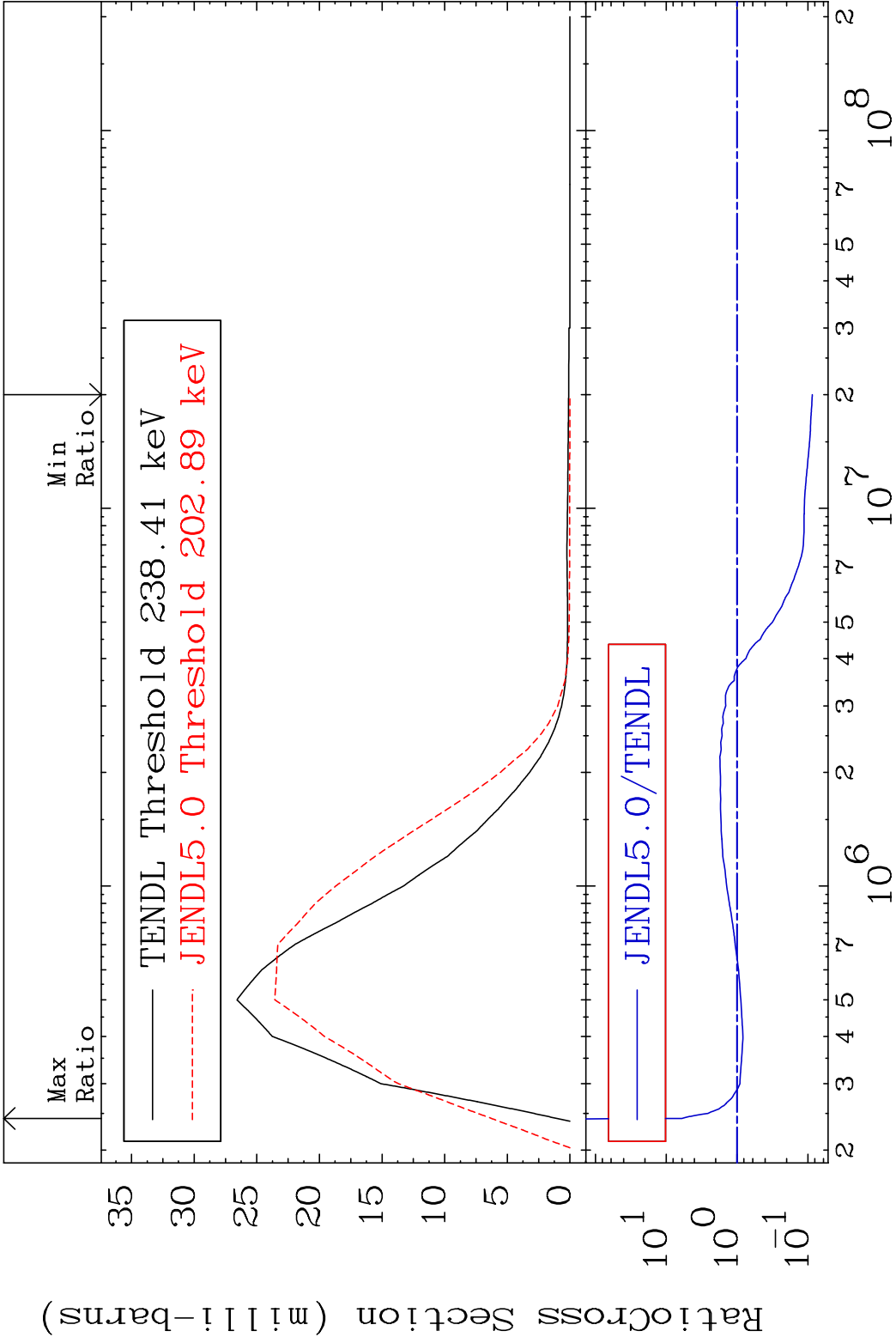
MAT 9031

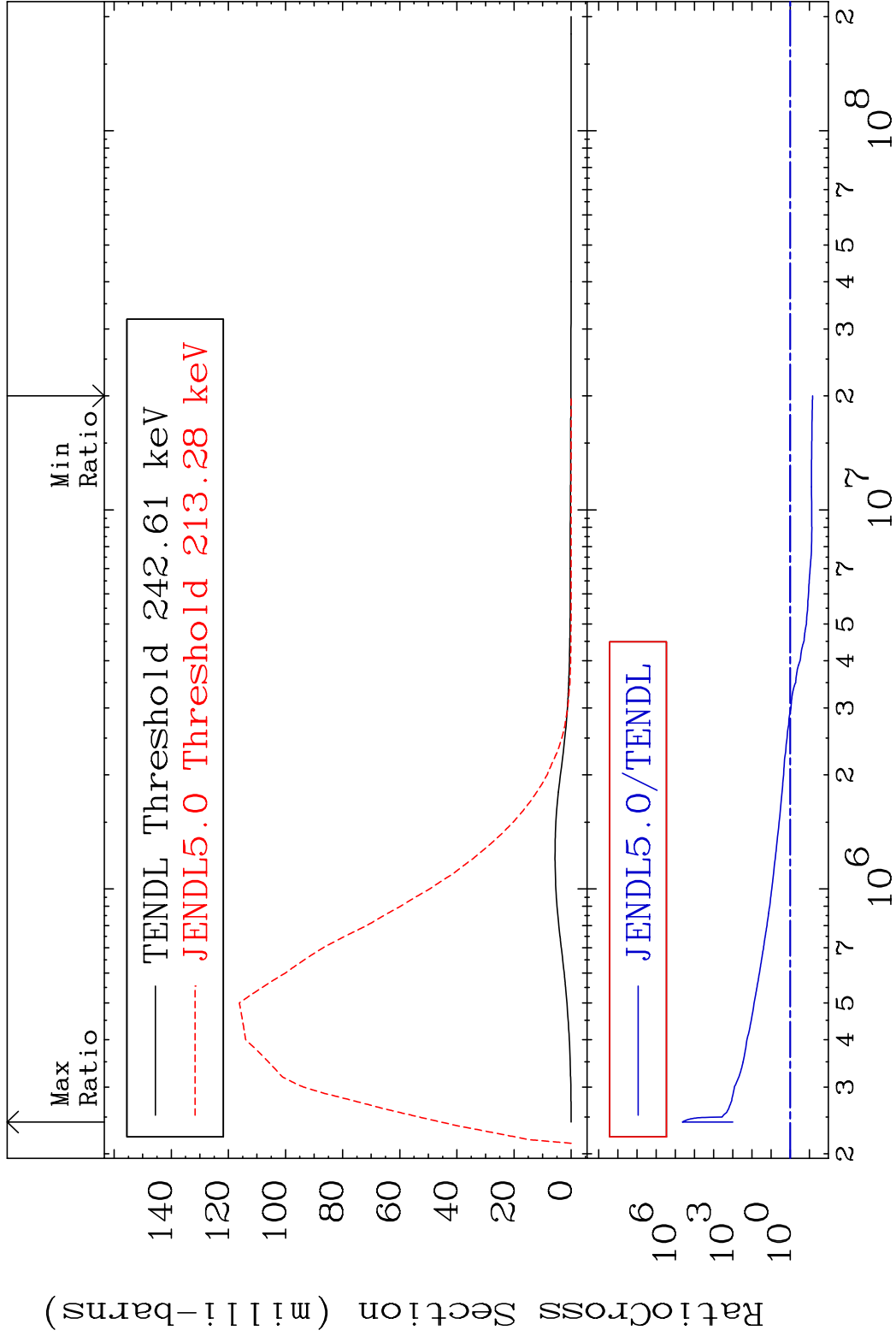
MT= 68 (n,n') Level

90-Th-229

Cross Section

-91.32 To 507.9 %





MAT 9031

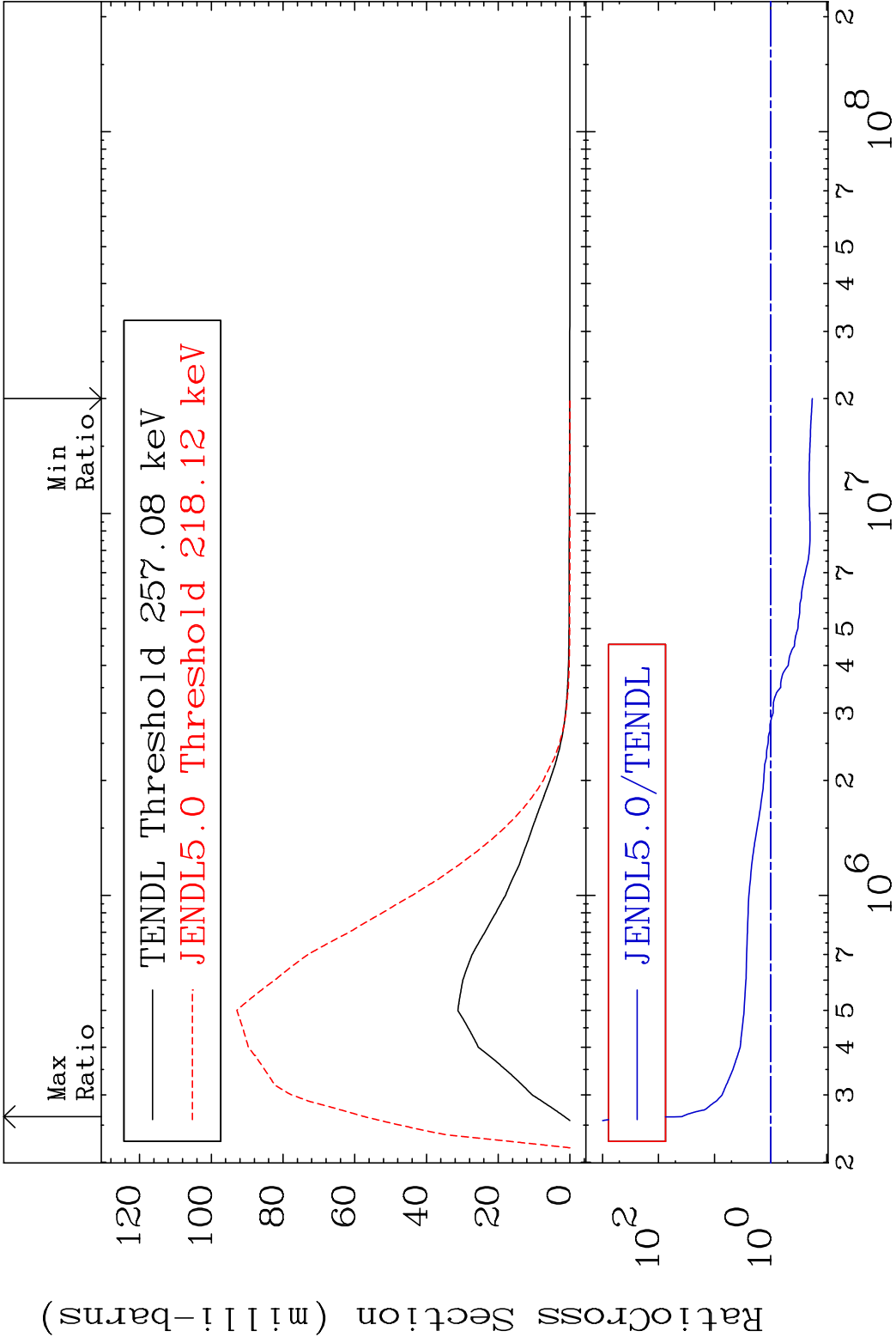
MT= 70 (n,n')

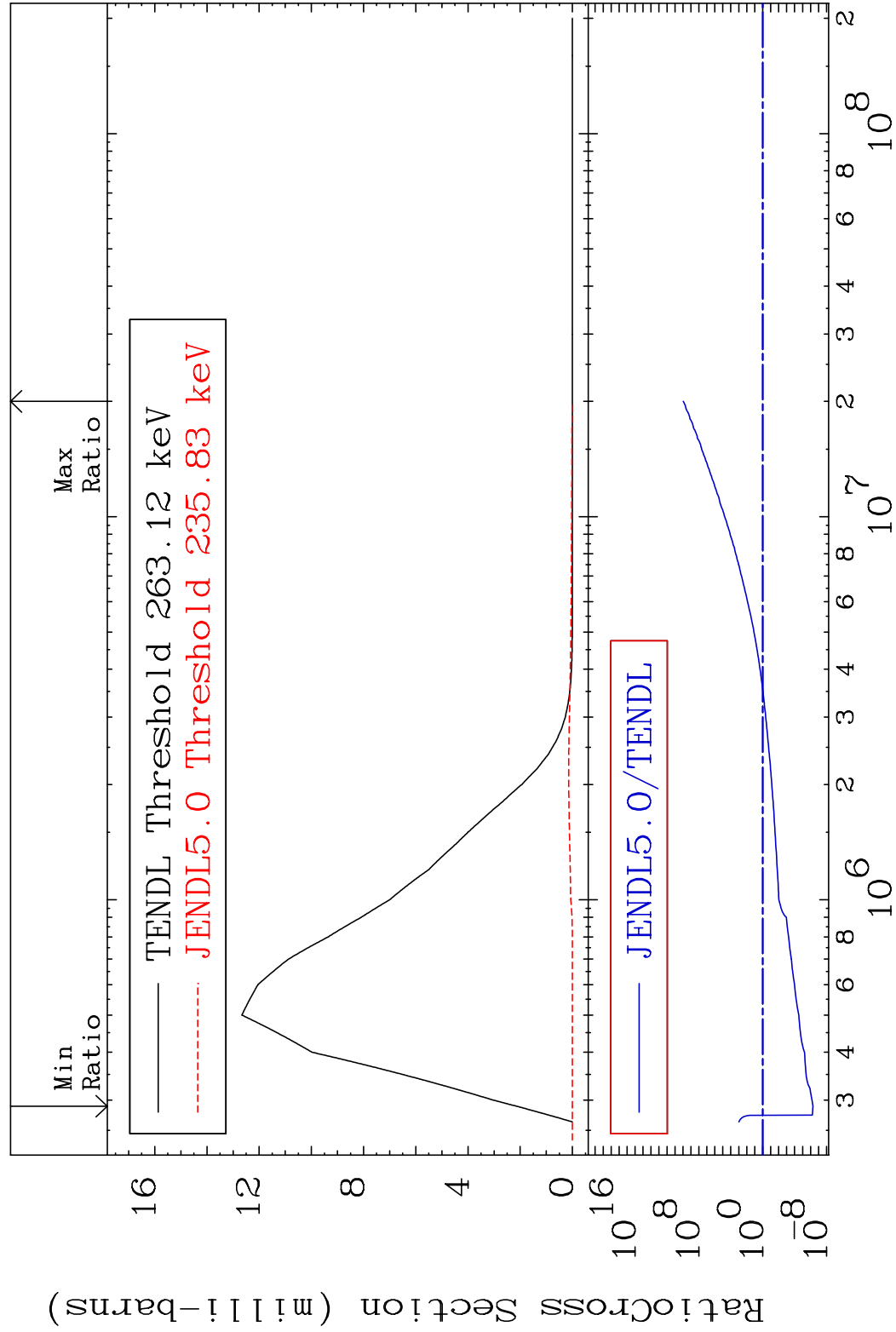
Level

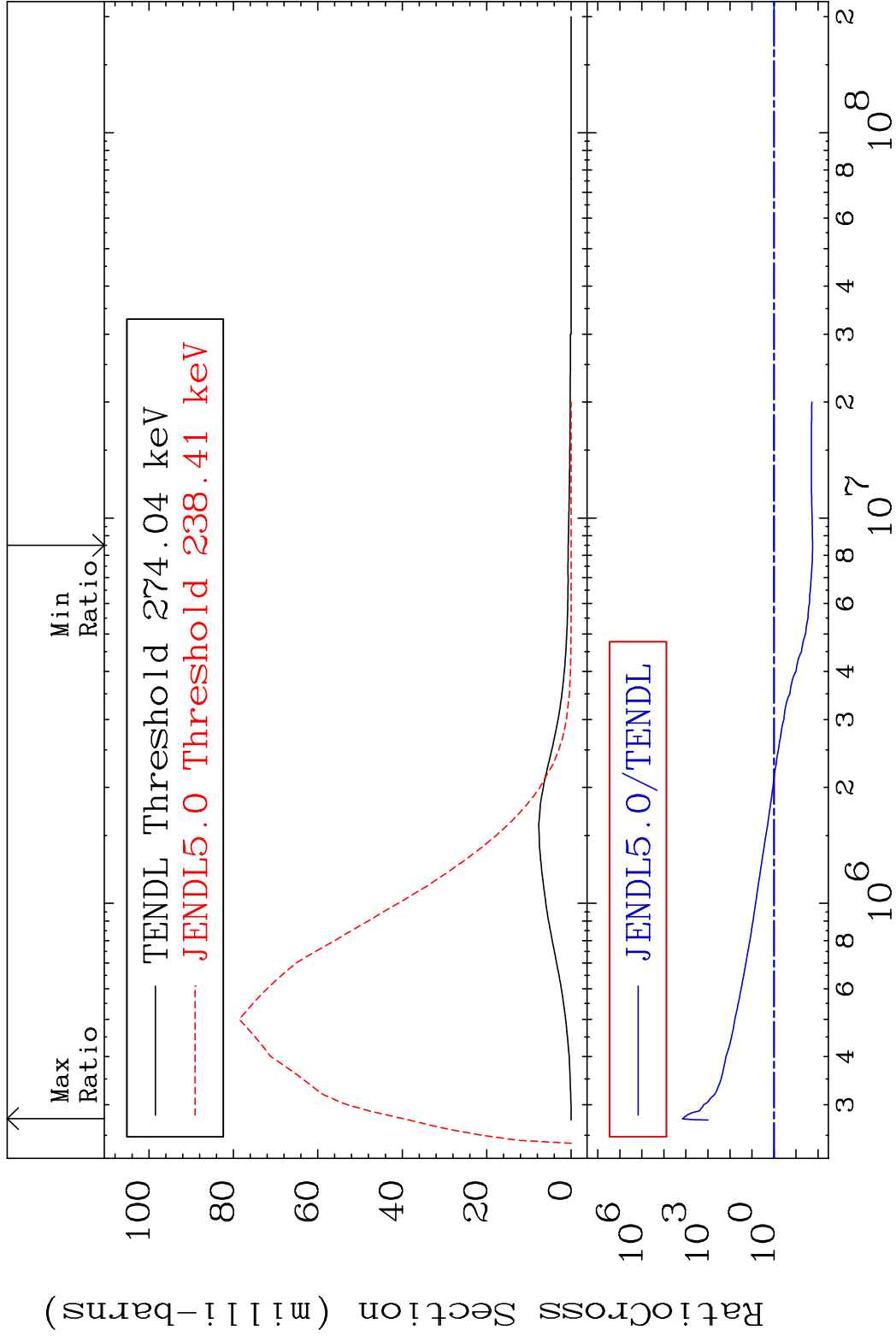
90-Th-229

Cross Section

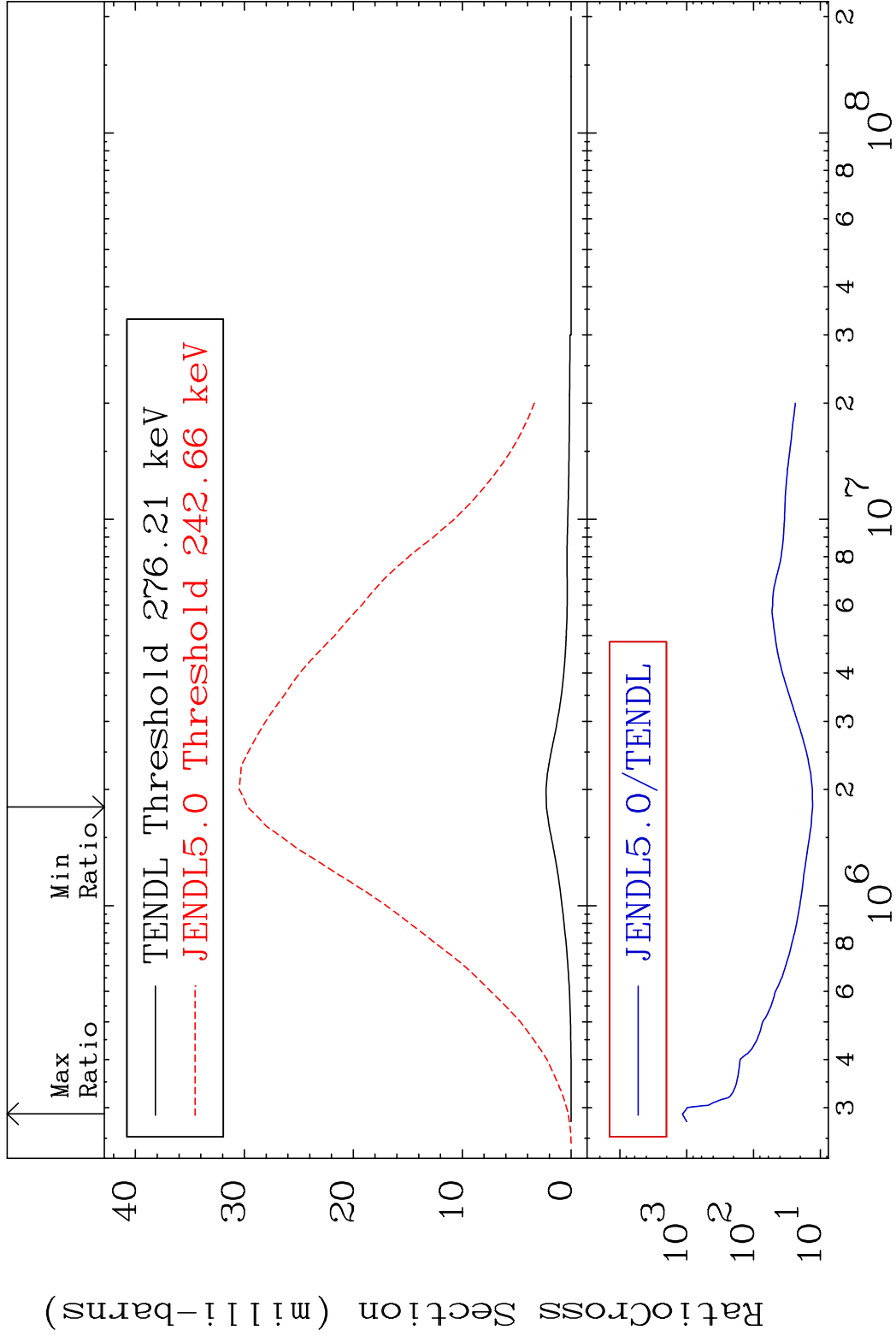
-81.86 To 3791. %





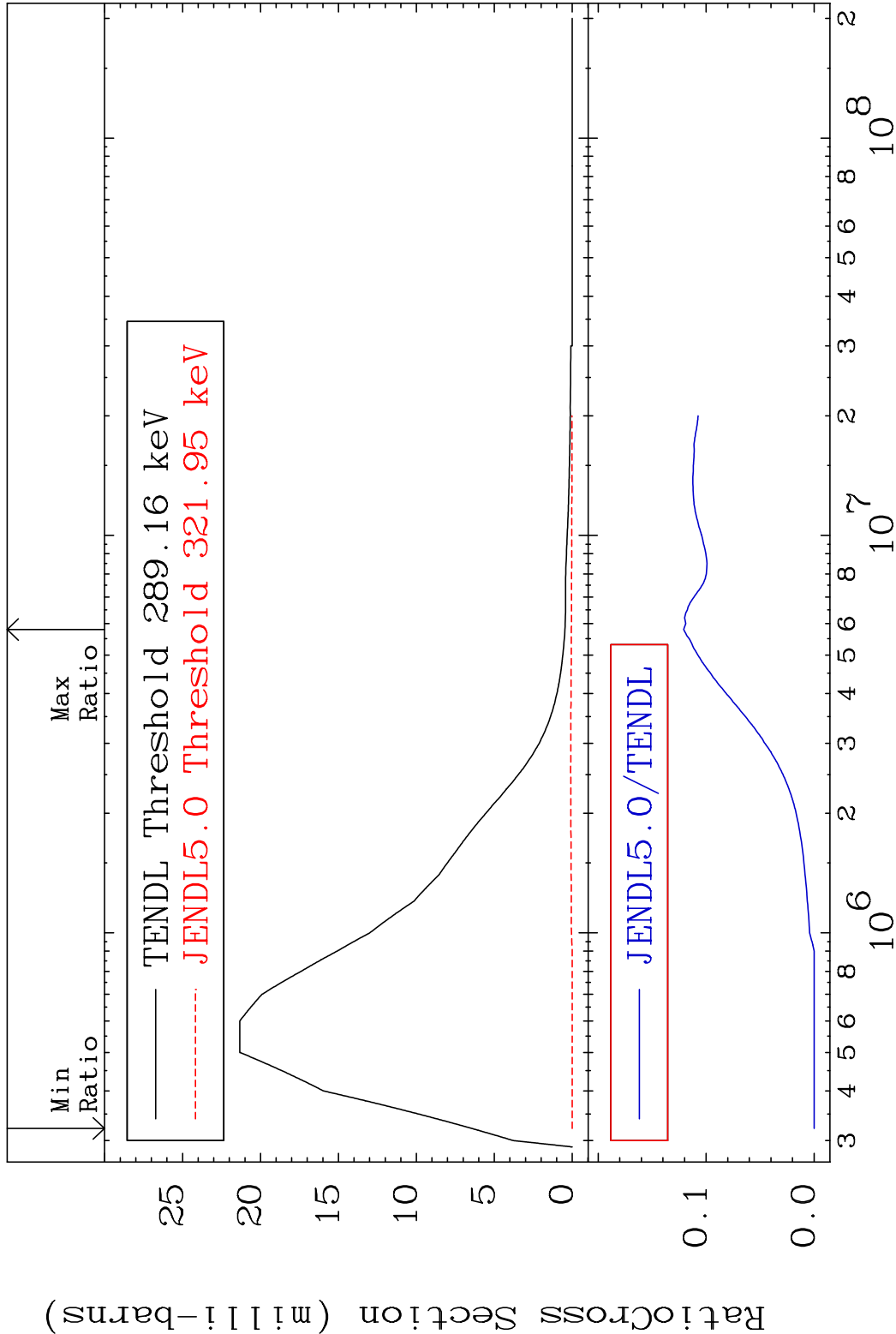


MAT 9031 MT= 73 (n,n') Level 90-Th-229
Cross Section 1207. To 9999. %



30 Incident Energy (eV) 90-Th-229

MAT 9031 MT= 74 (n,n') Level 90-Th-229
Cross Section -100.0 To -87.92%



MAT 9031

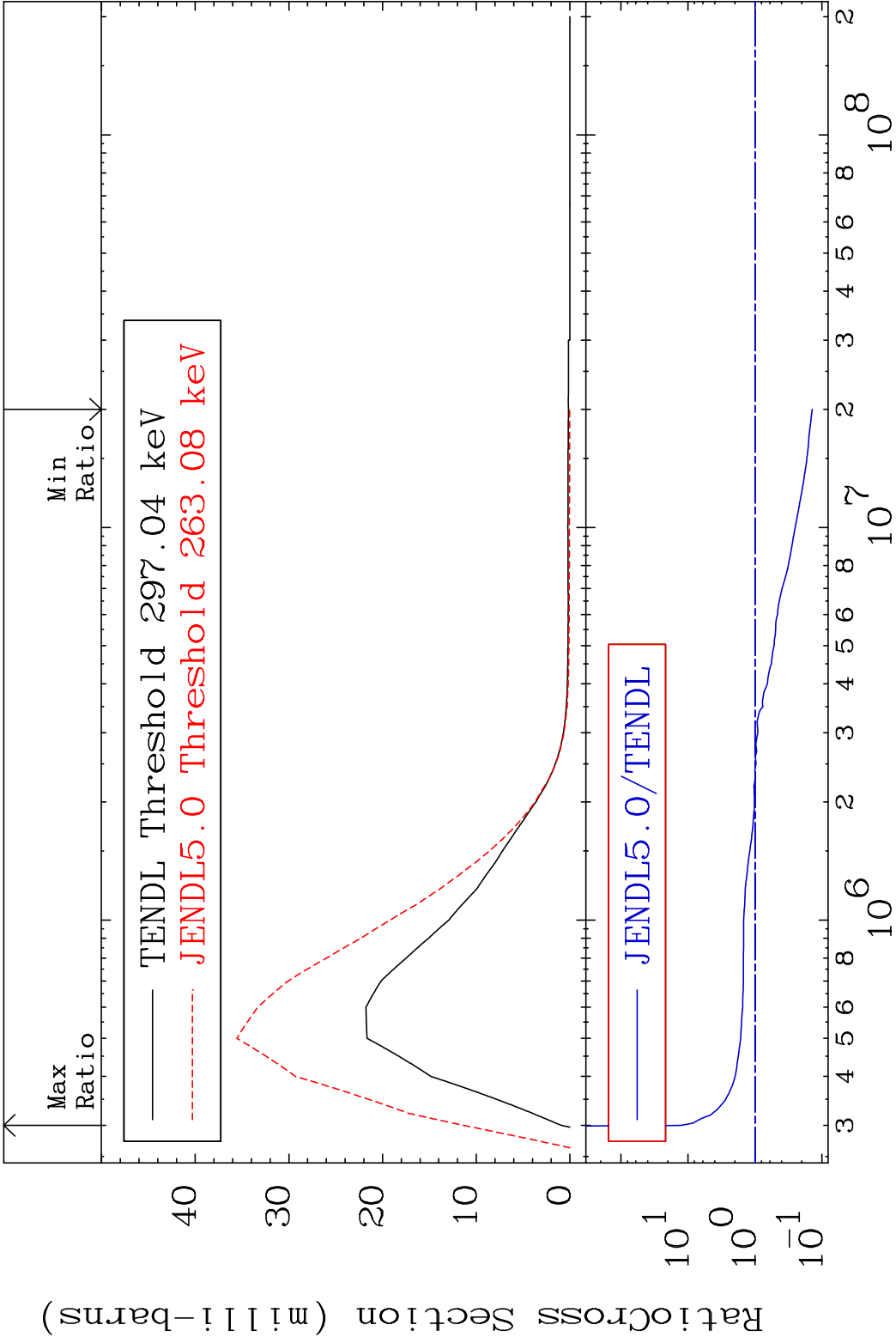
MT= 75 (n,n')

Level

90-Th-229

Cross Section

-86.01 To 1149. %



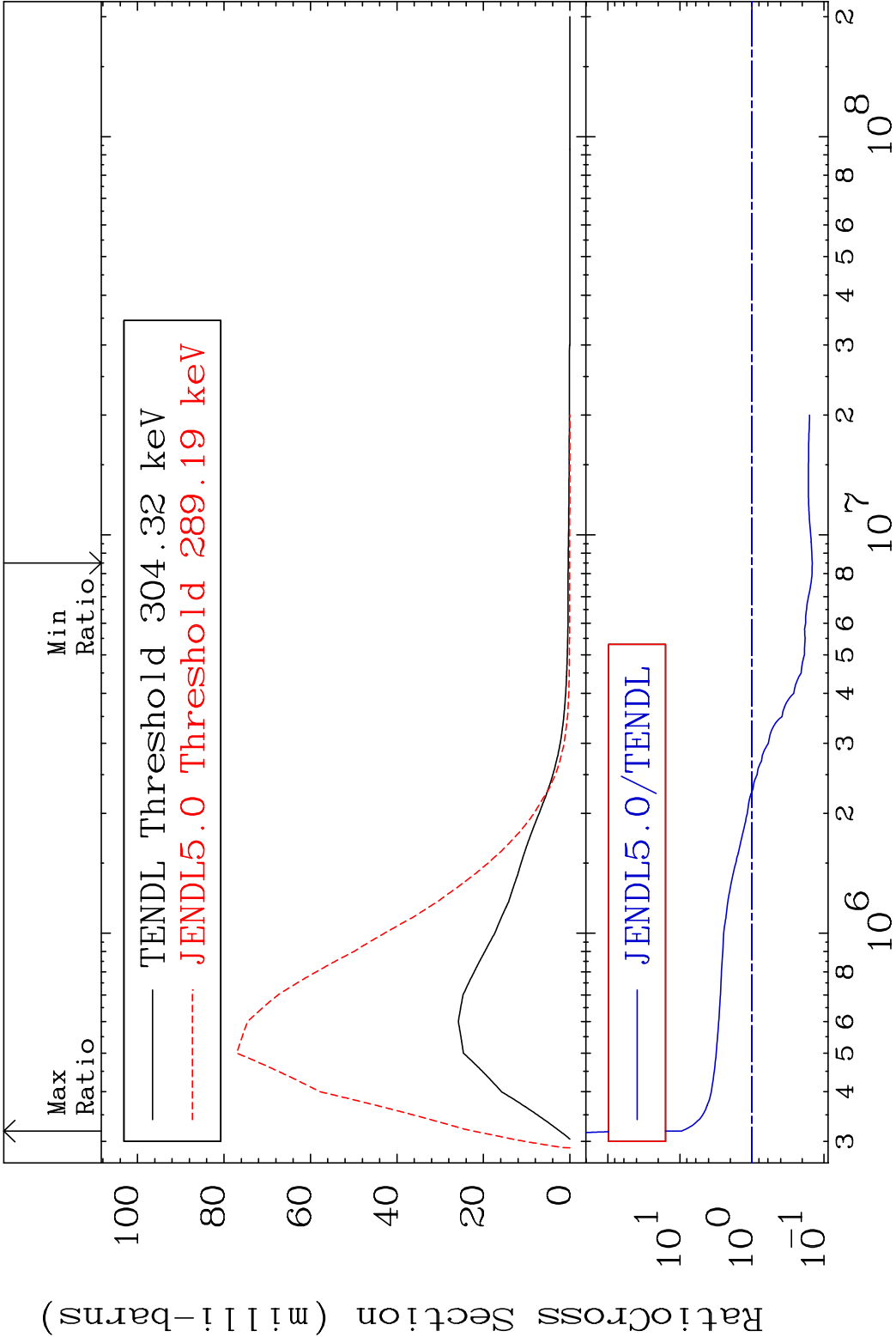
MAT 9031

MT= 76 (n,n') Level

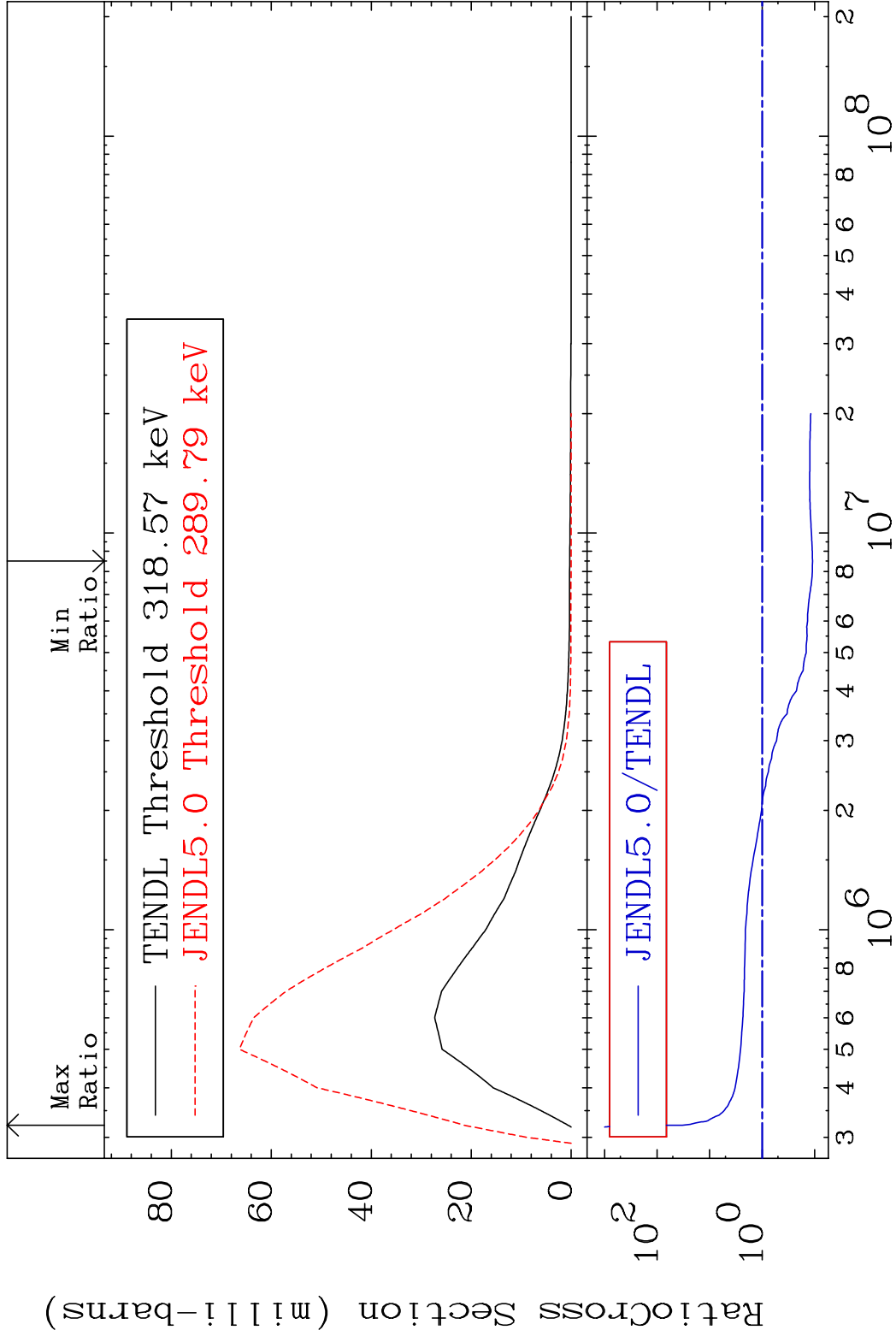
90-Th-229

Cross Section

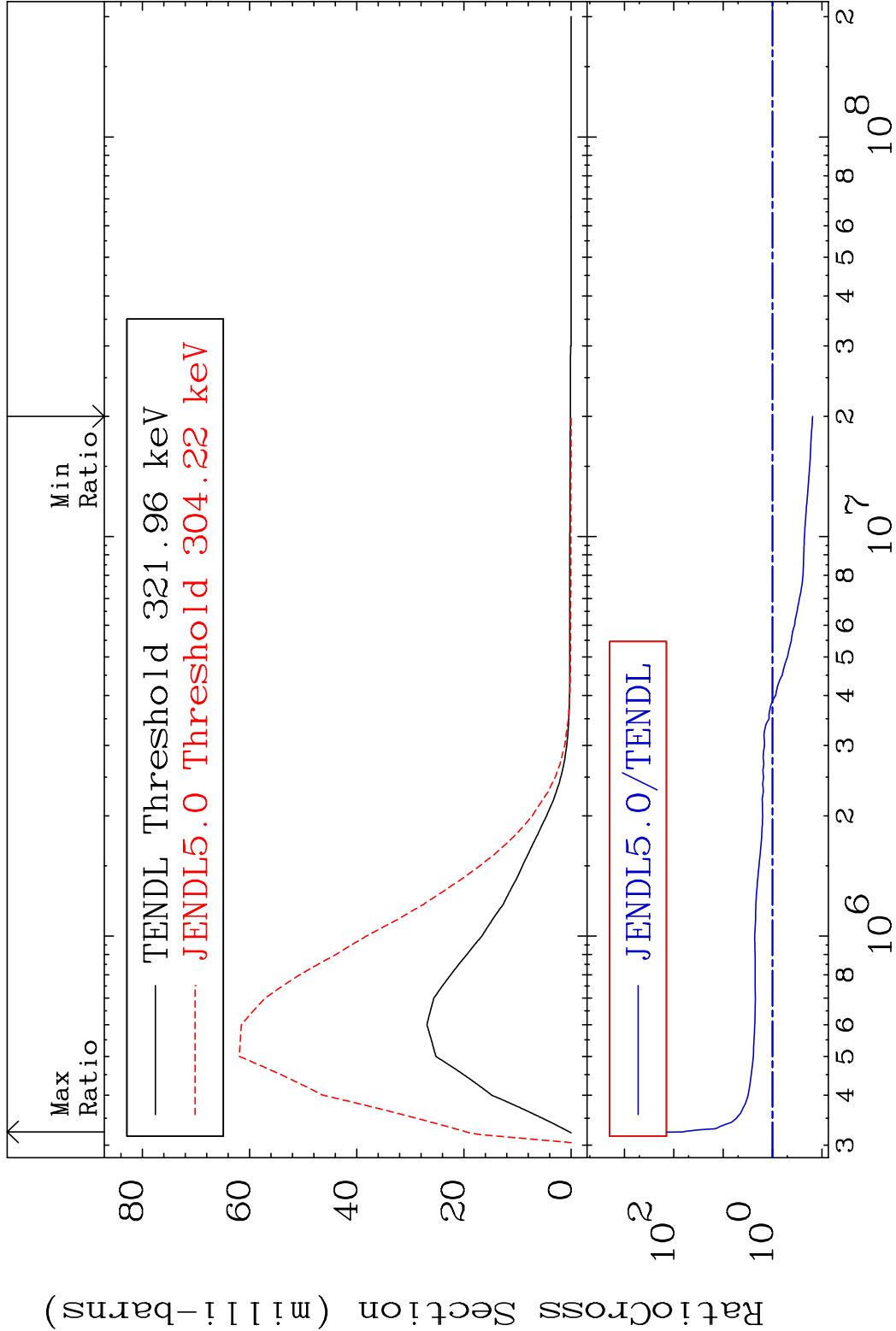
-85.45 To 848.0 %

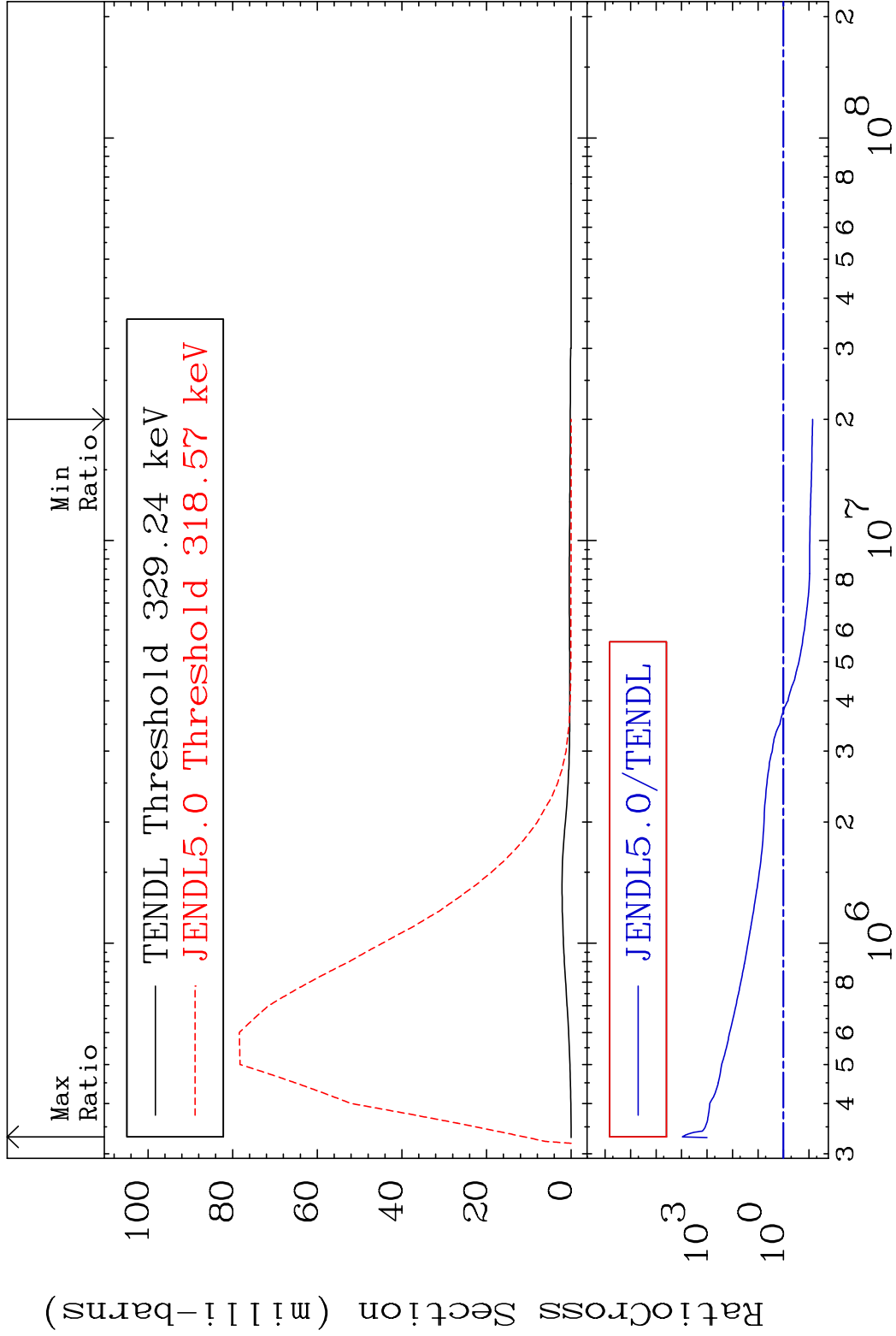


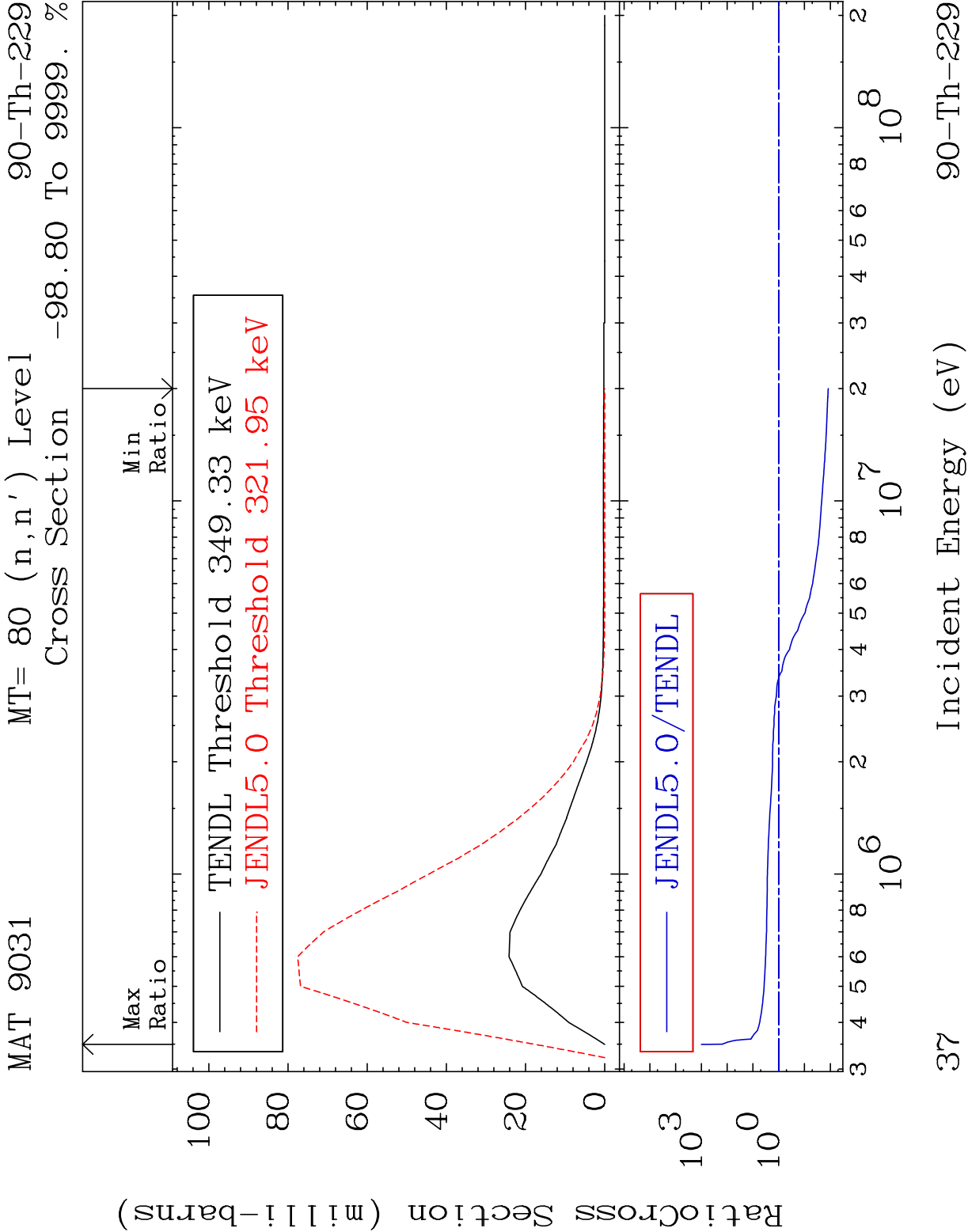
MAT 9031 MT= 77 (n,n') Level 90-Th-229
Cross Section -89.05 To 3206. %

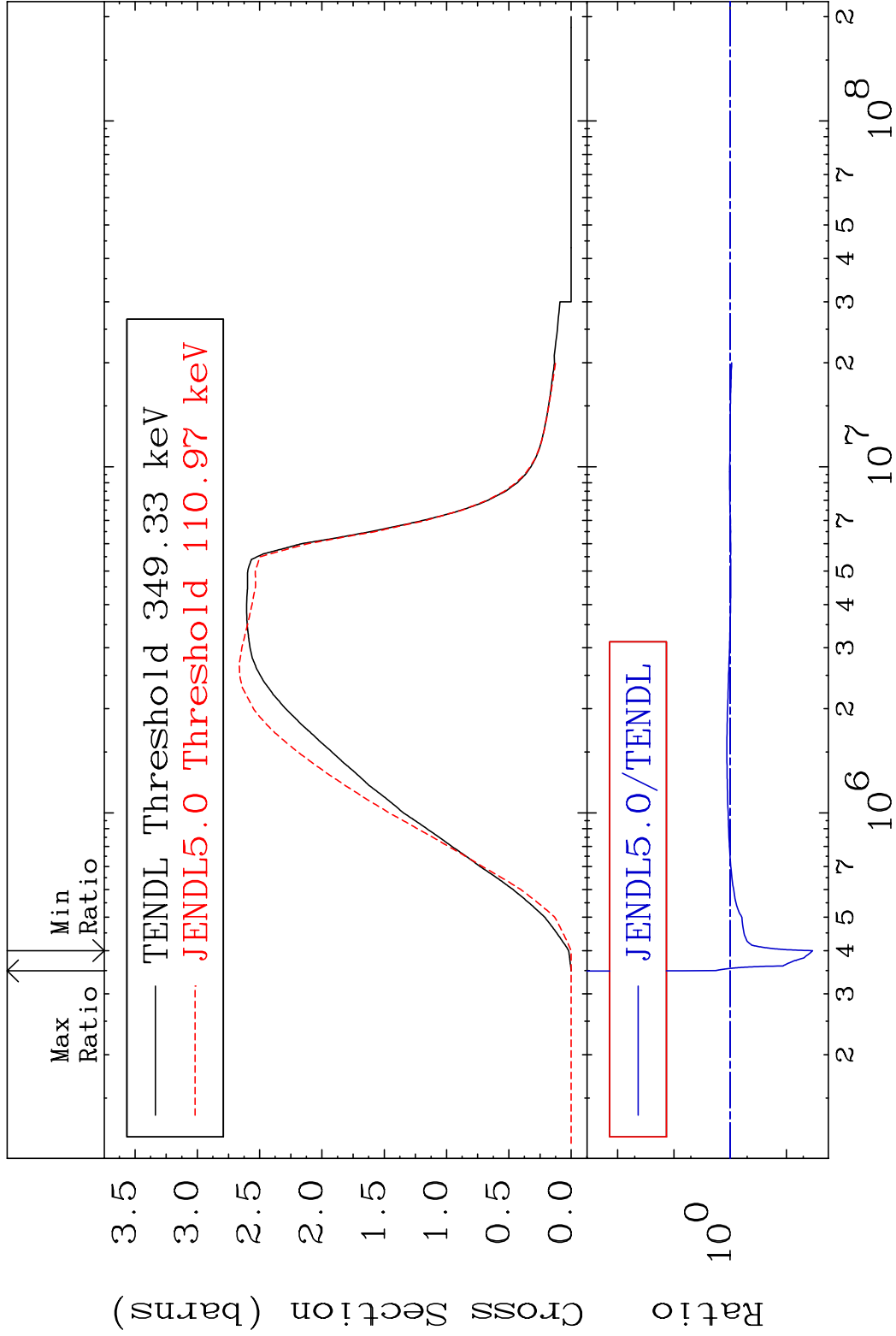


MAT 9031 MT= 78 (n,n') Level 90-Th-229
Cross Section -84.56 To 6597. %







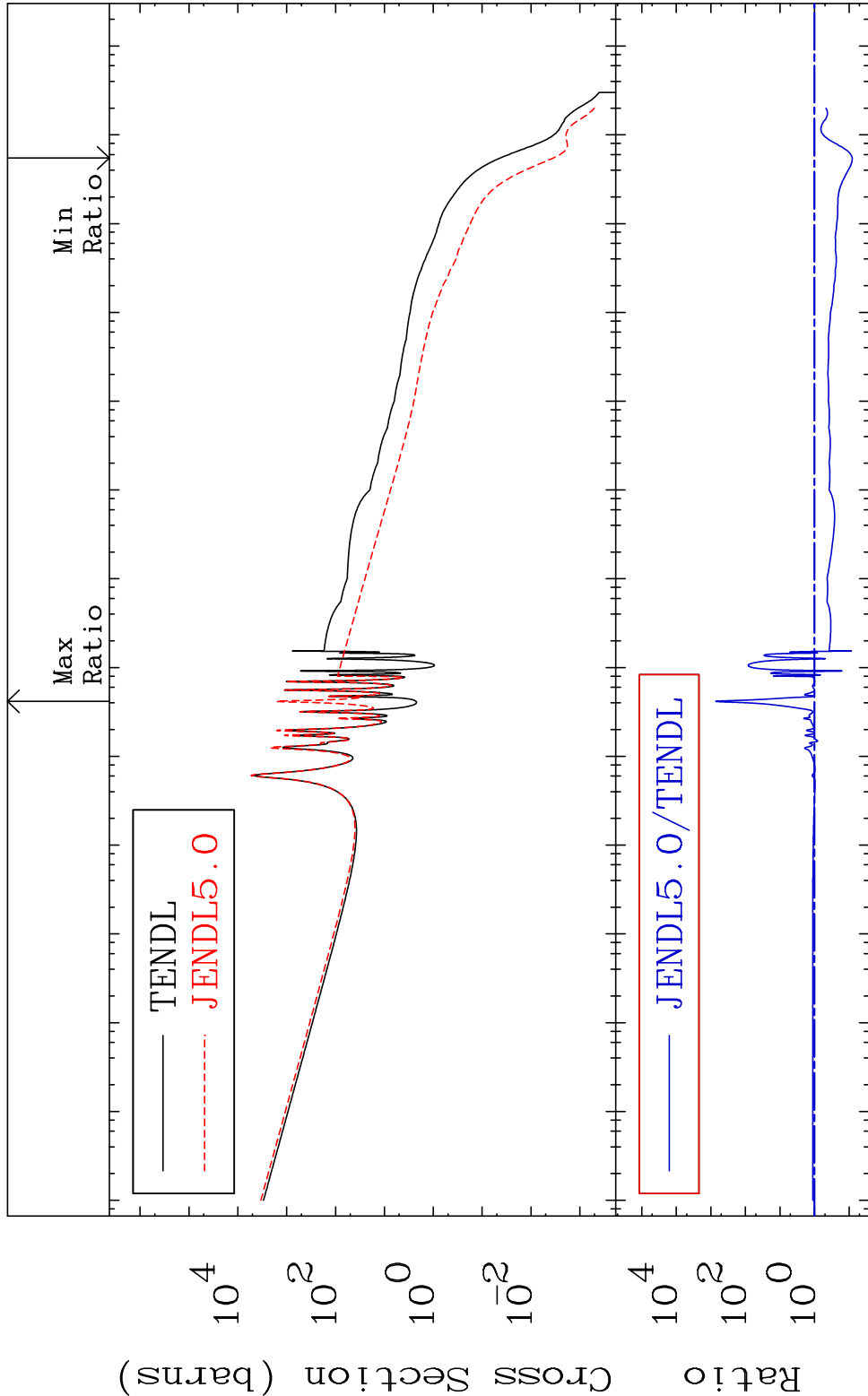


MAT 9031

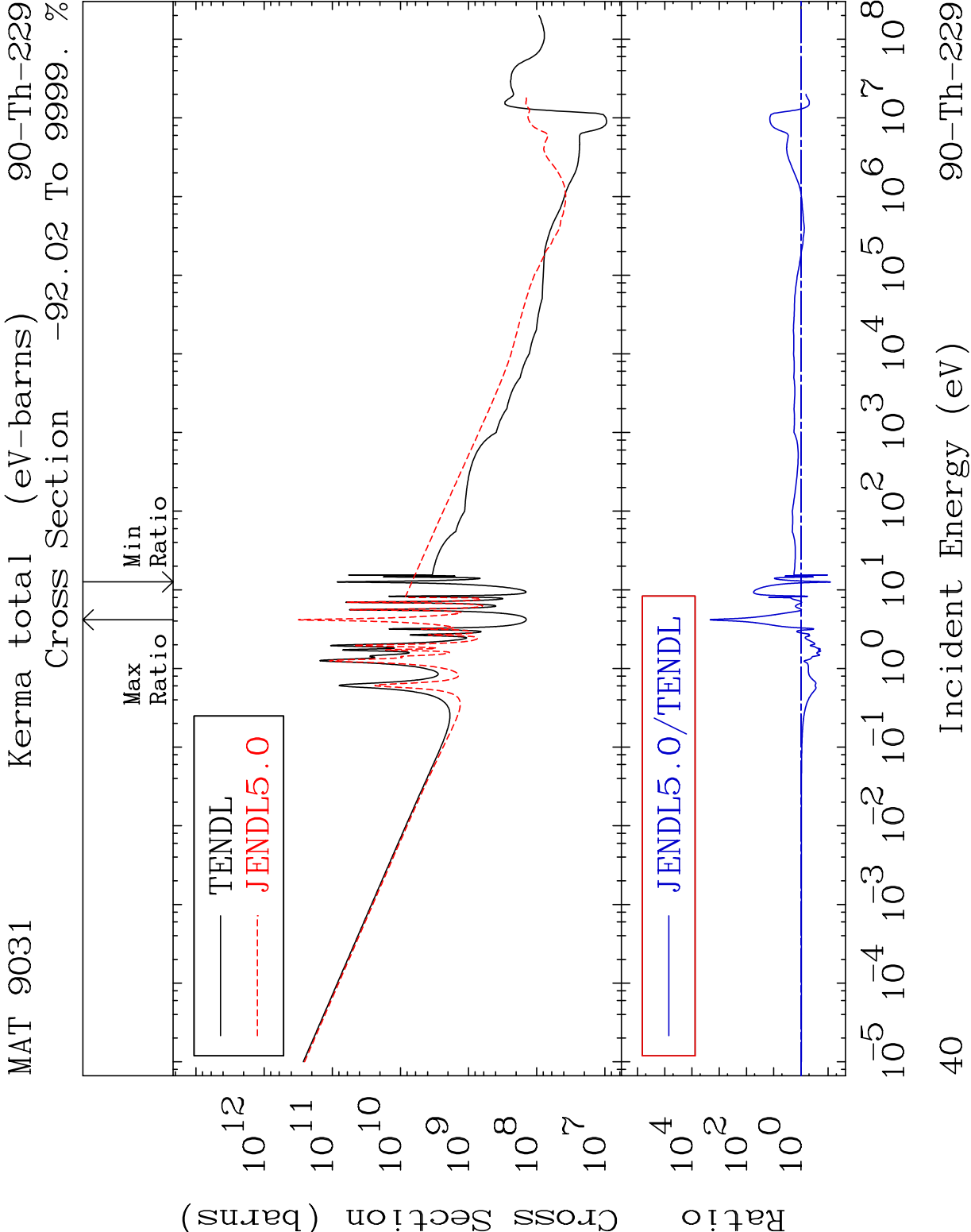
(n, γ)

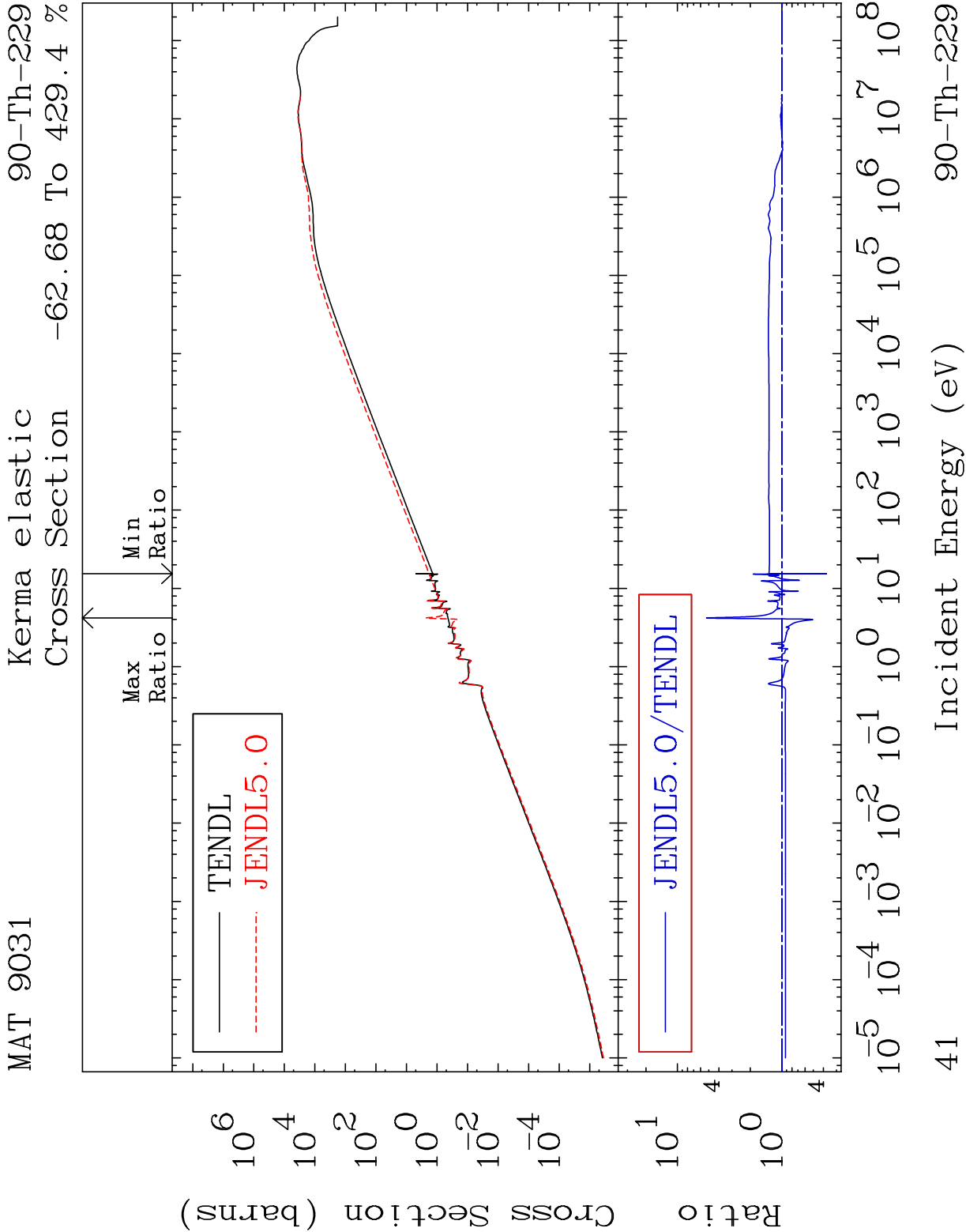
90-Th-229

Cross Section -91.86 To 9999. %

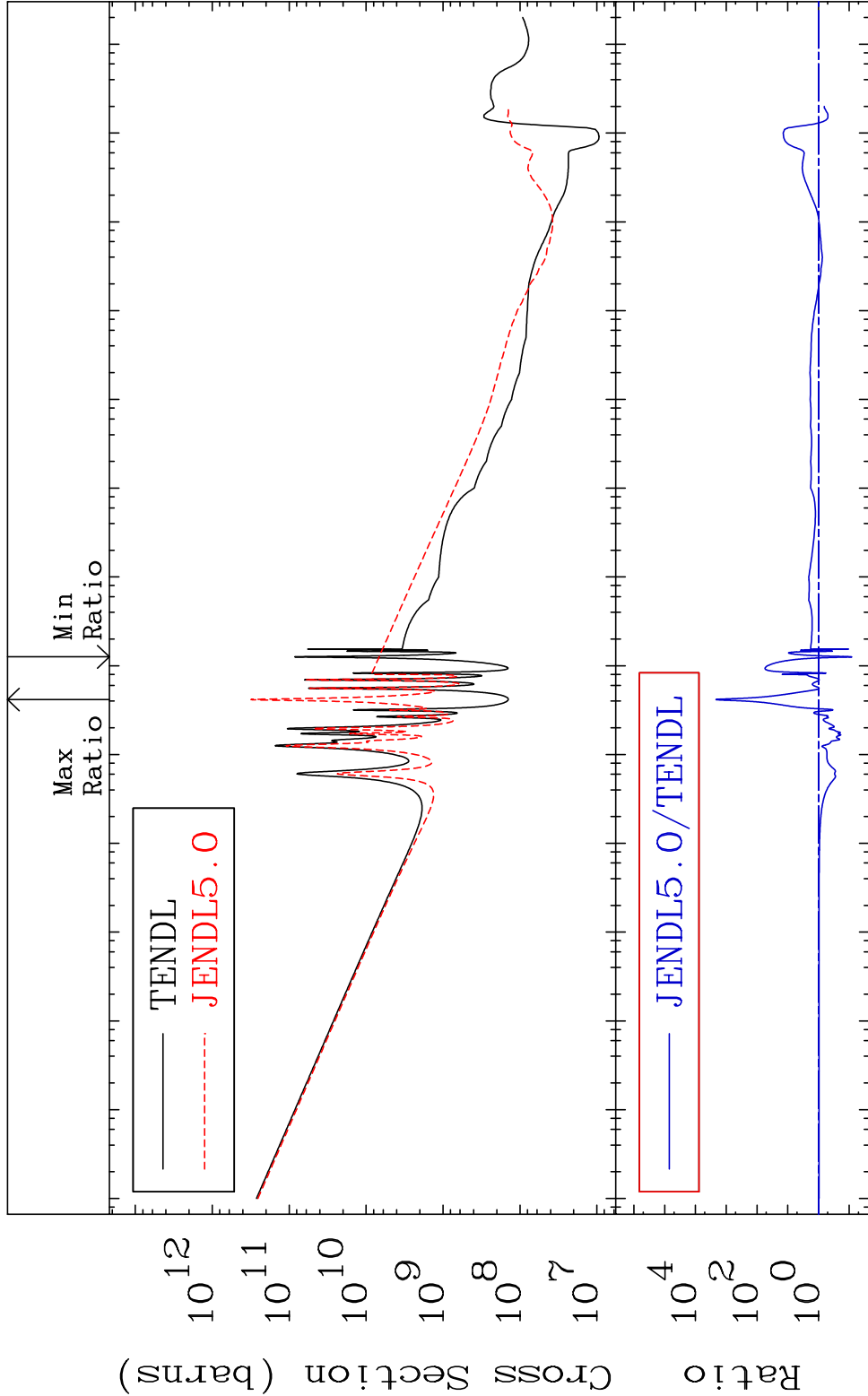


Incident Energy (eV) 90-Th-229

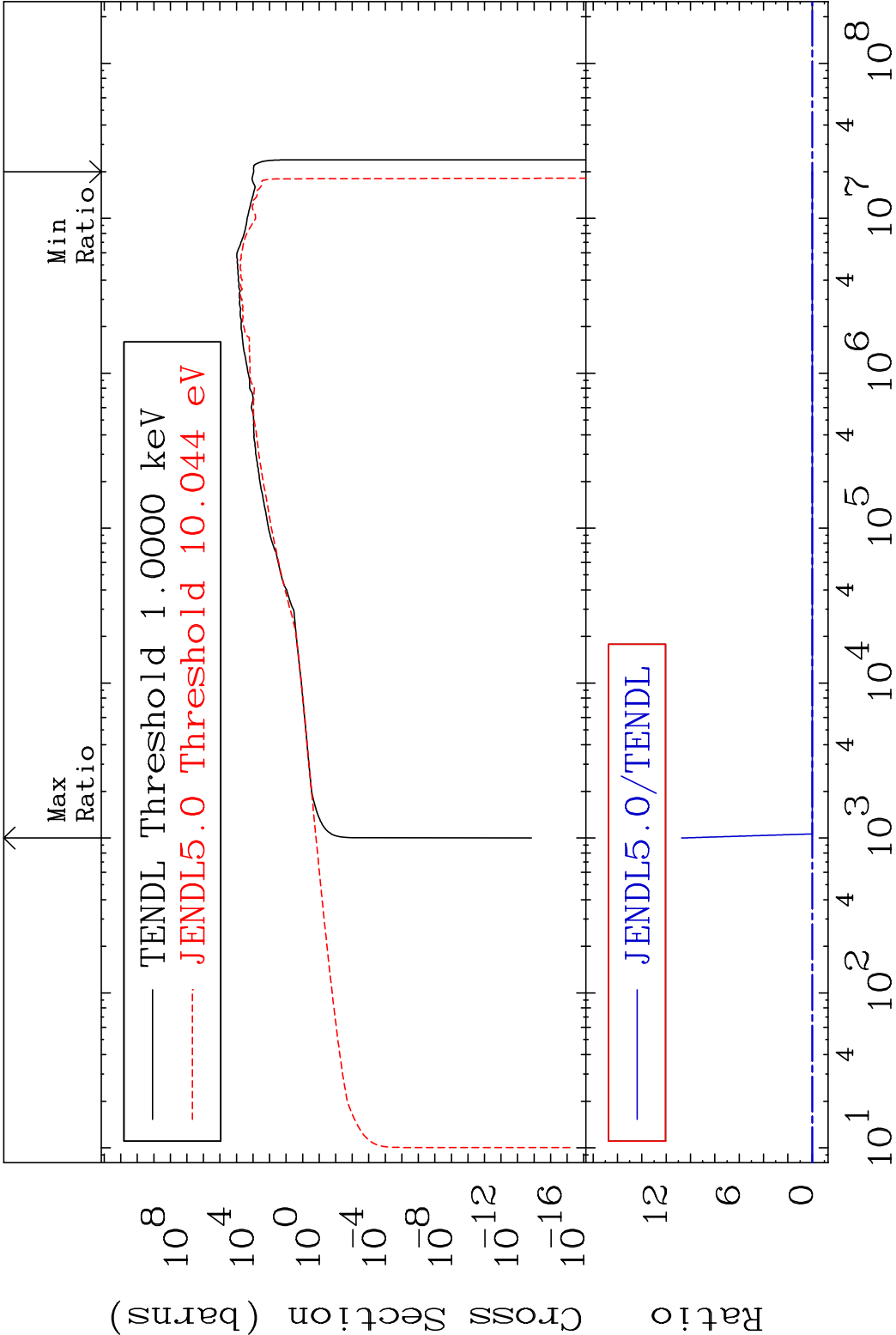




MAT 9031 Kerma non-elastic (all but mt2) 90-Th-229
Cross Section -92.02 To 9999. %

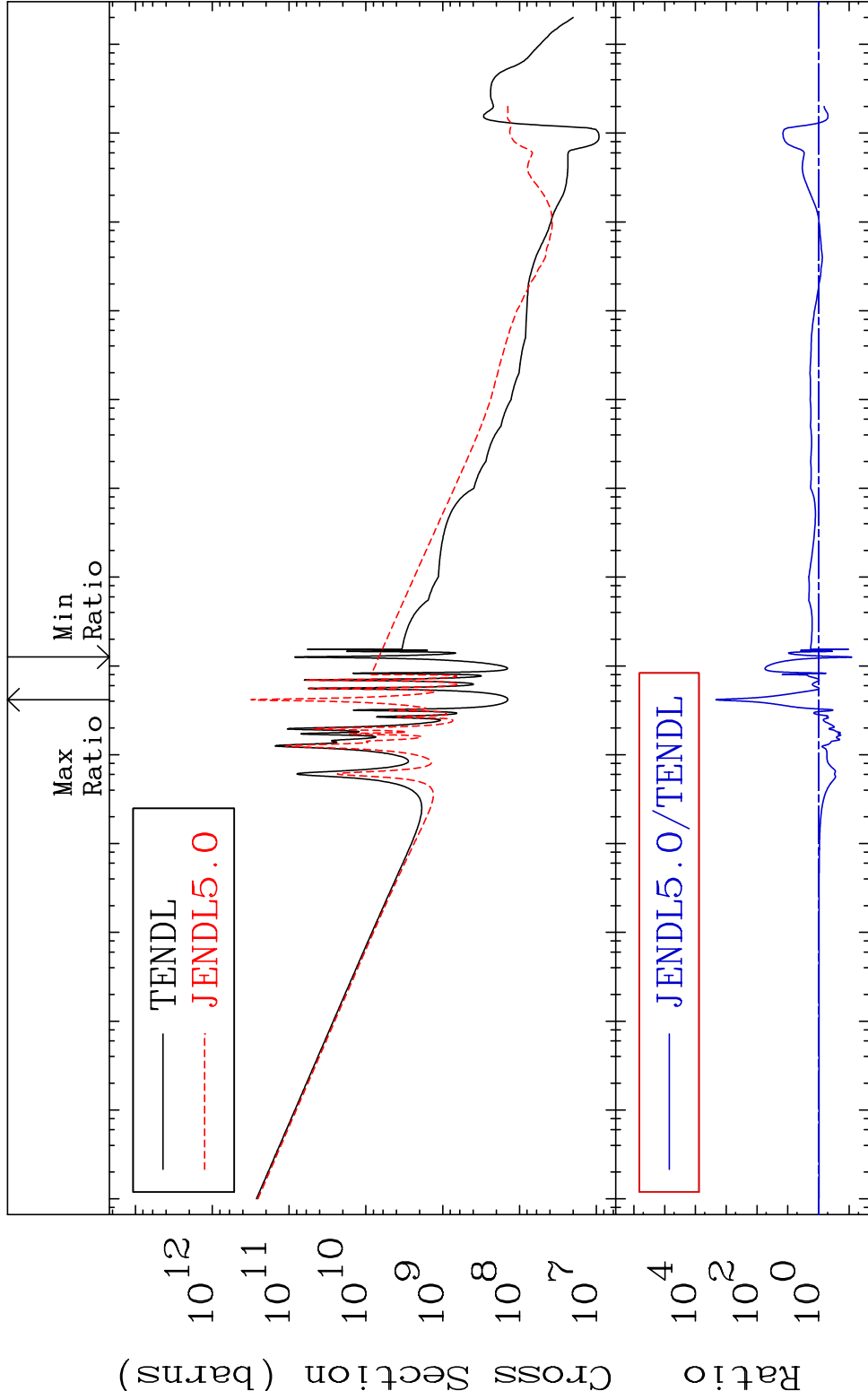


MAT 9031 Kerma inelastic (mt51-91) 90-Th-229
Cross Section -122.2 To 9999. %



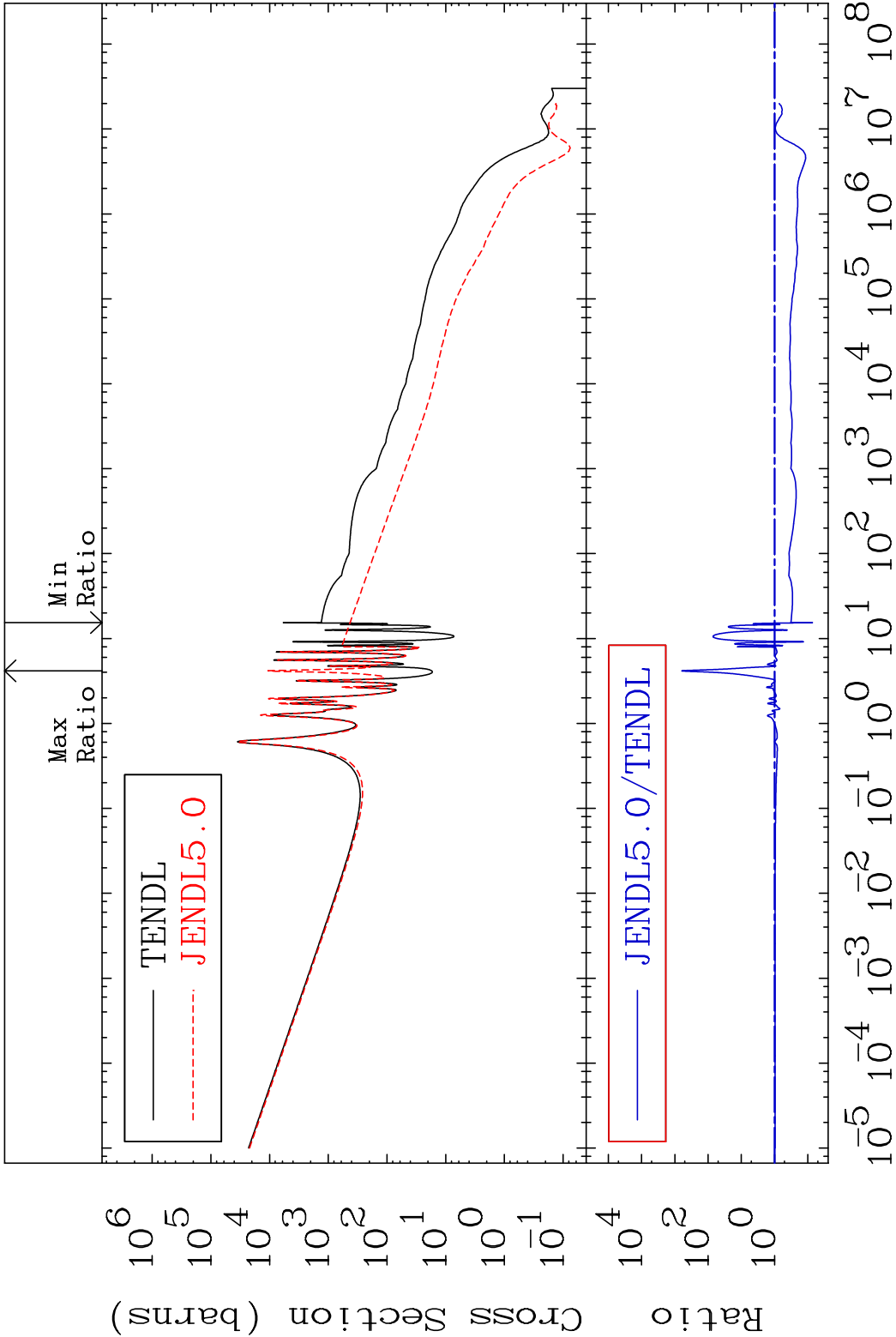
43 Incident Energy (eV) 90-Th-229

MAT 9031 Kerma fission (mt18 or mt19-20-21-38)90-Th-229
Cross Section -92.02 To 9999. %



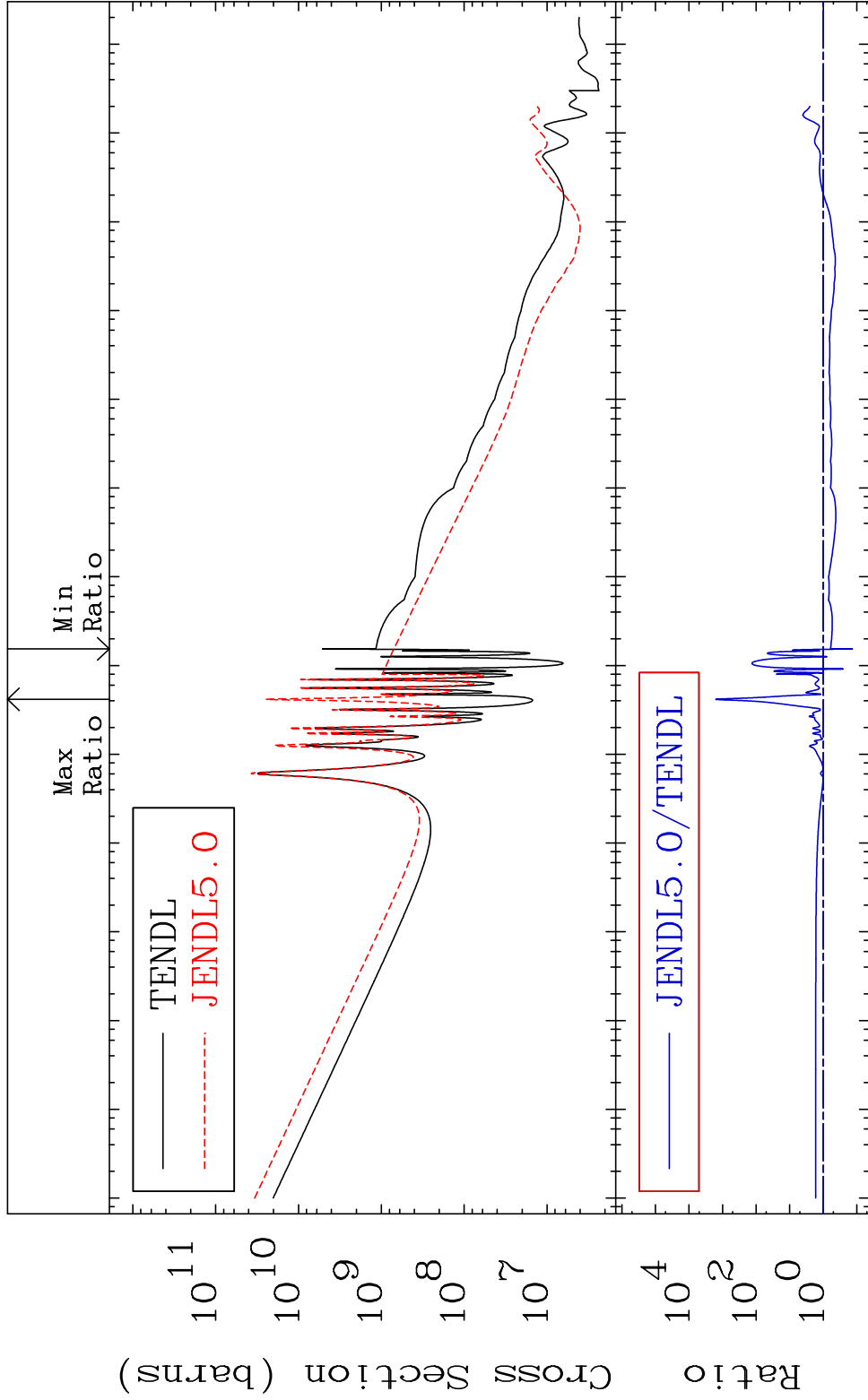
10^{-5} 10^{-4} 10^{-3} 10^{-2} 10^{-1} 10^0 10^1 10^2 10^3 10^4 10^5 10^6 10^7 10^8

MAT 9031 Kerma capture (mt102) 90-Th-229
Cross Section -92.69 To 9999. %



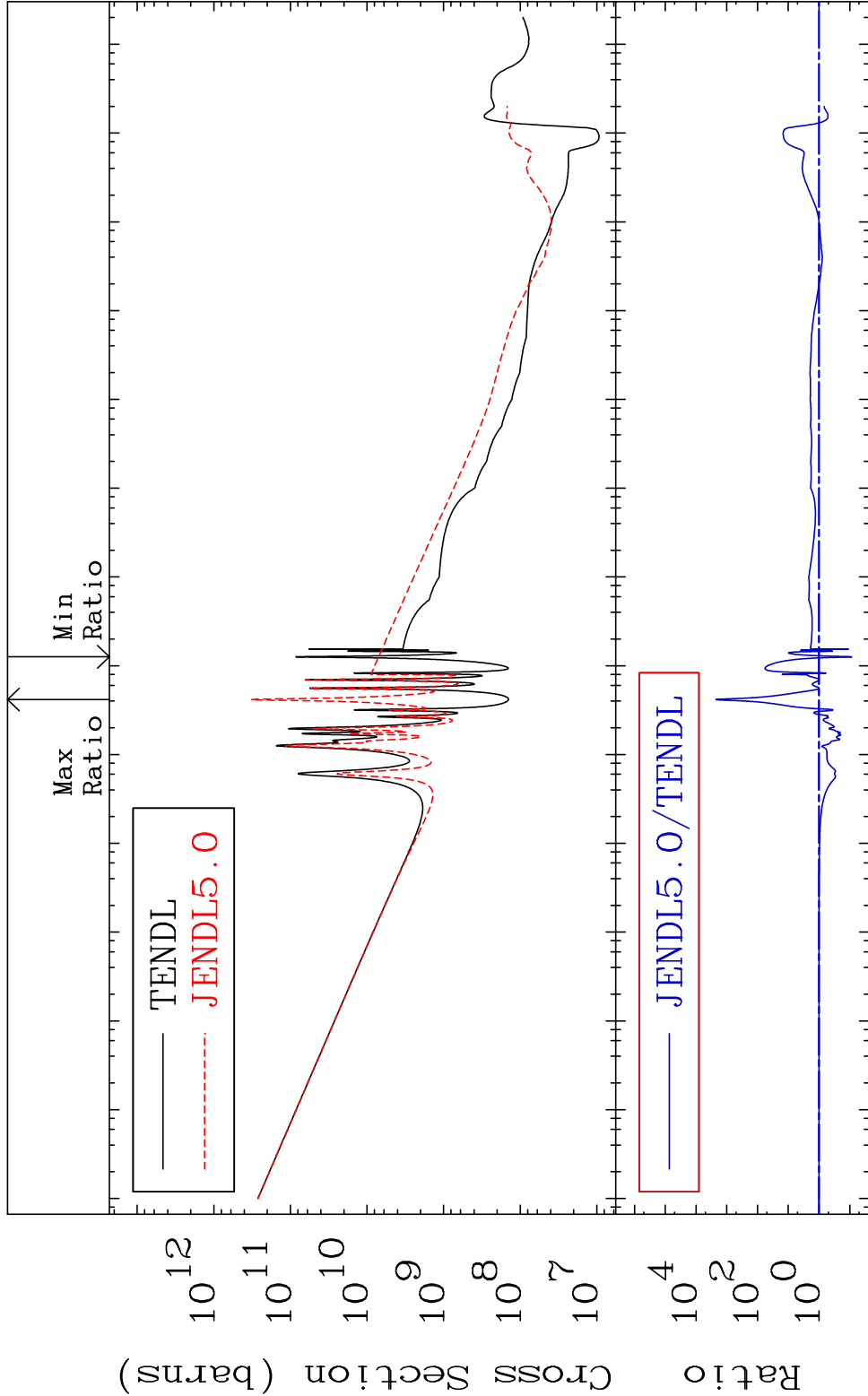
45 Incident Energy (eV) 90-Th-229

MAT 9031 Total photon (eV-barns) 90-Th-229
Cross Section -86.32 To 9999. %



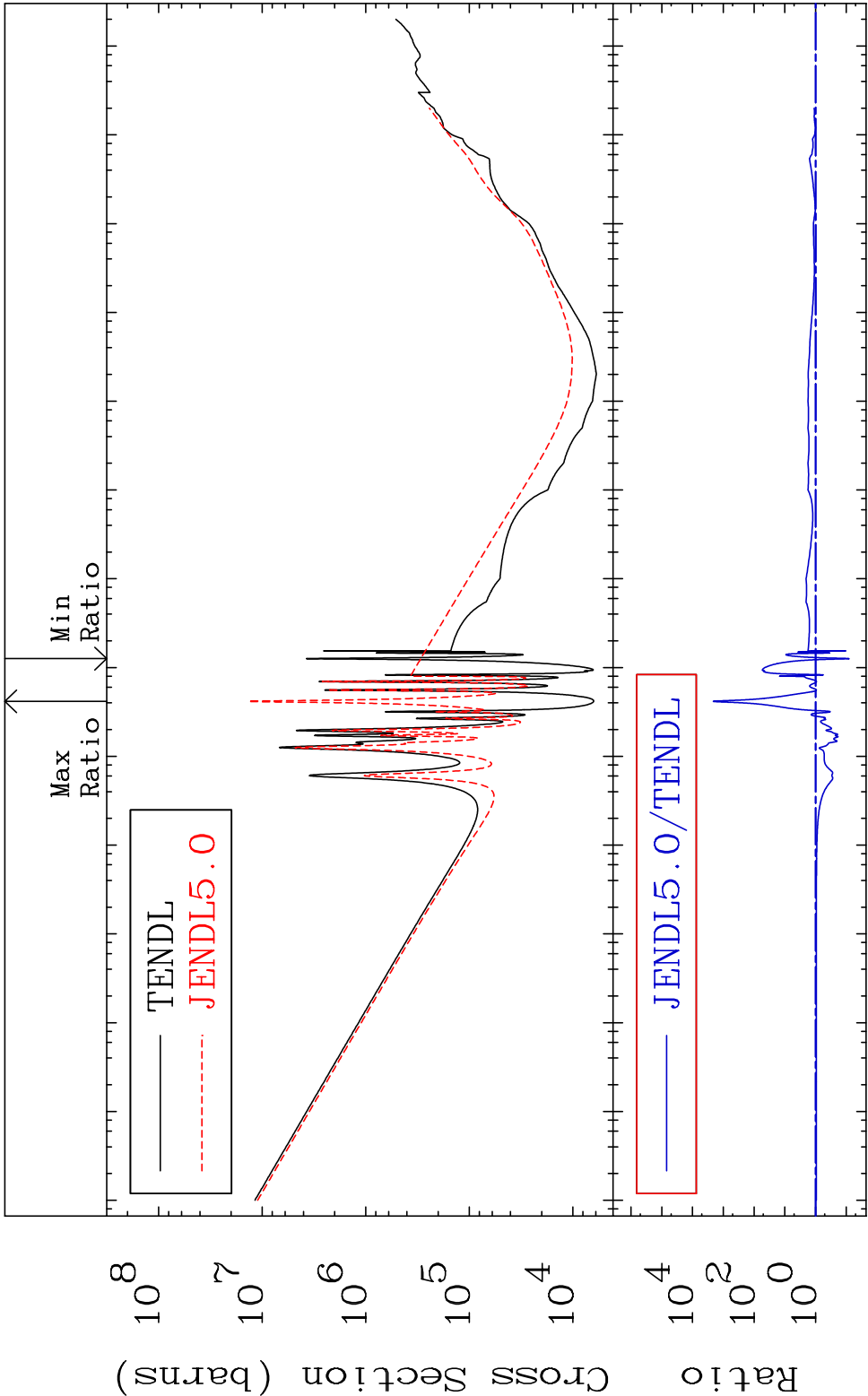
MAT 9031 Total kinematic kerma (high limit) 90-Th-229

Cross Section -91.68 To 9999. %



47 Incident Energy (eV) 90-Th-229

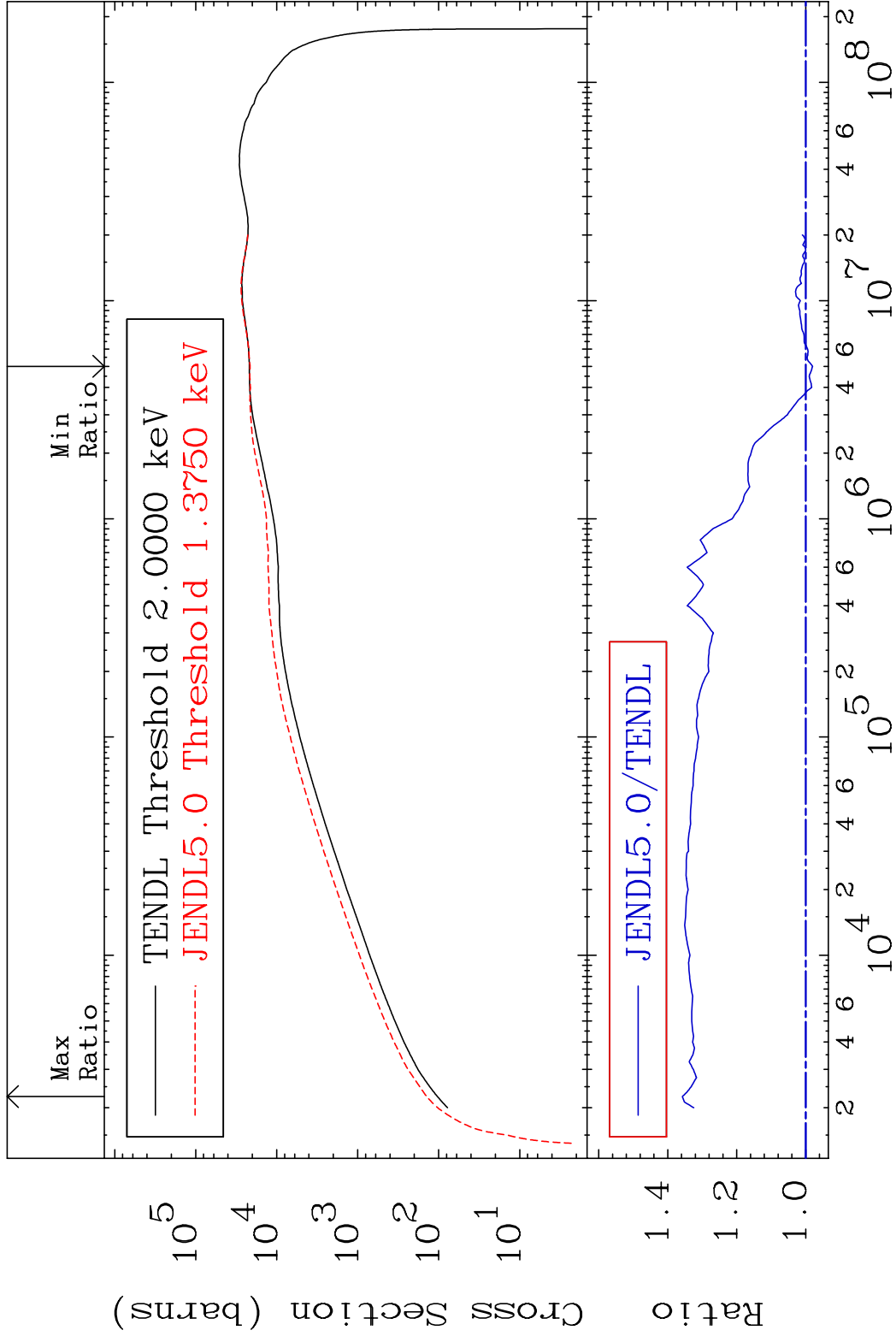
MAT 9031 Dpa total (eV-barns) 90-Th-229
Cross Section -92.16 To 9999. %

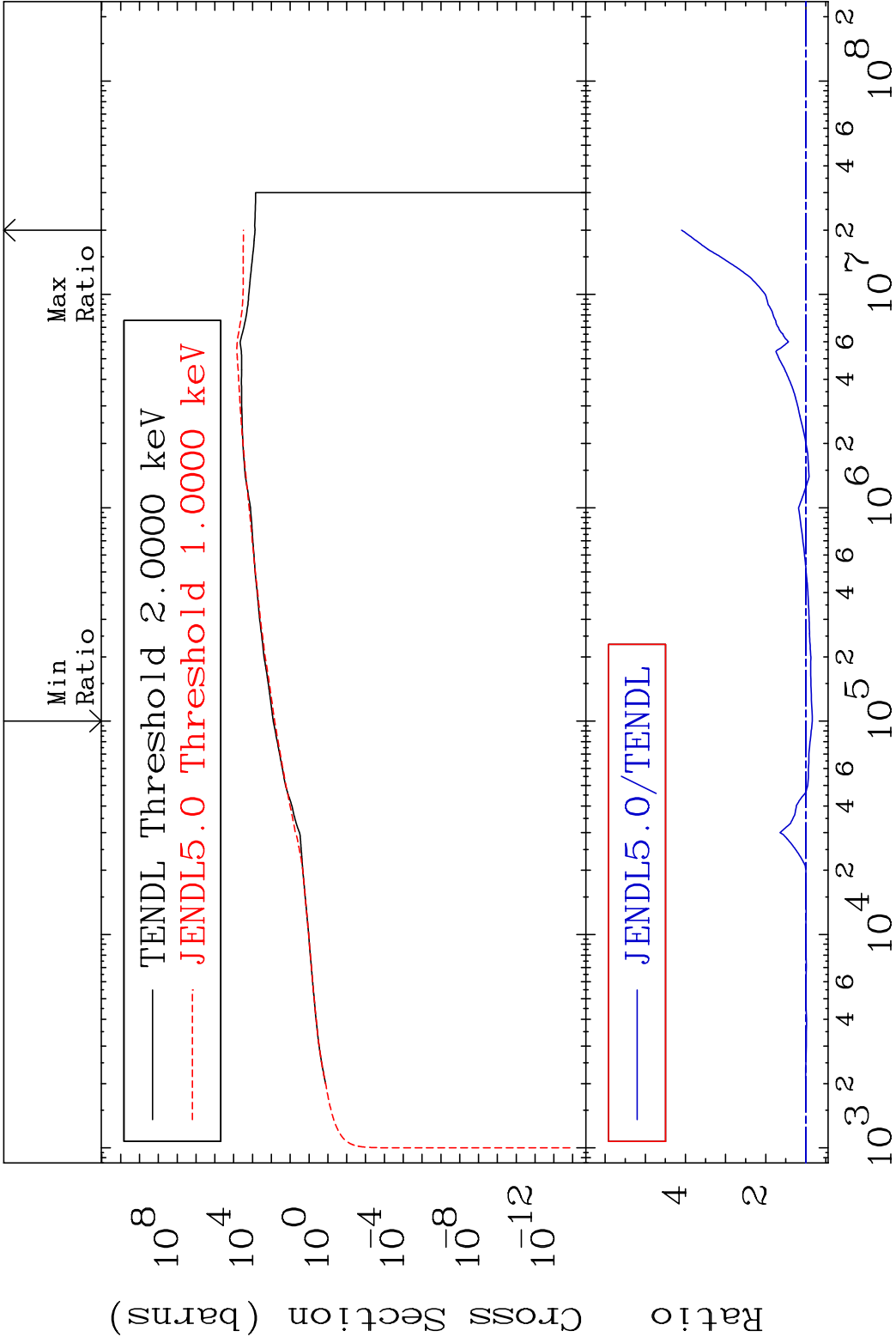


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

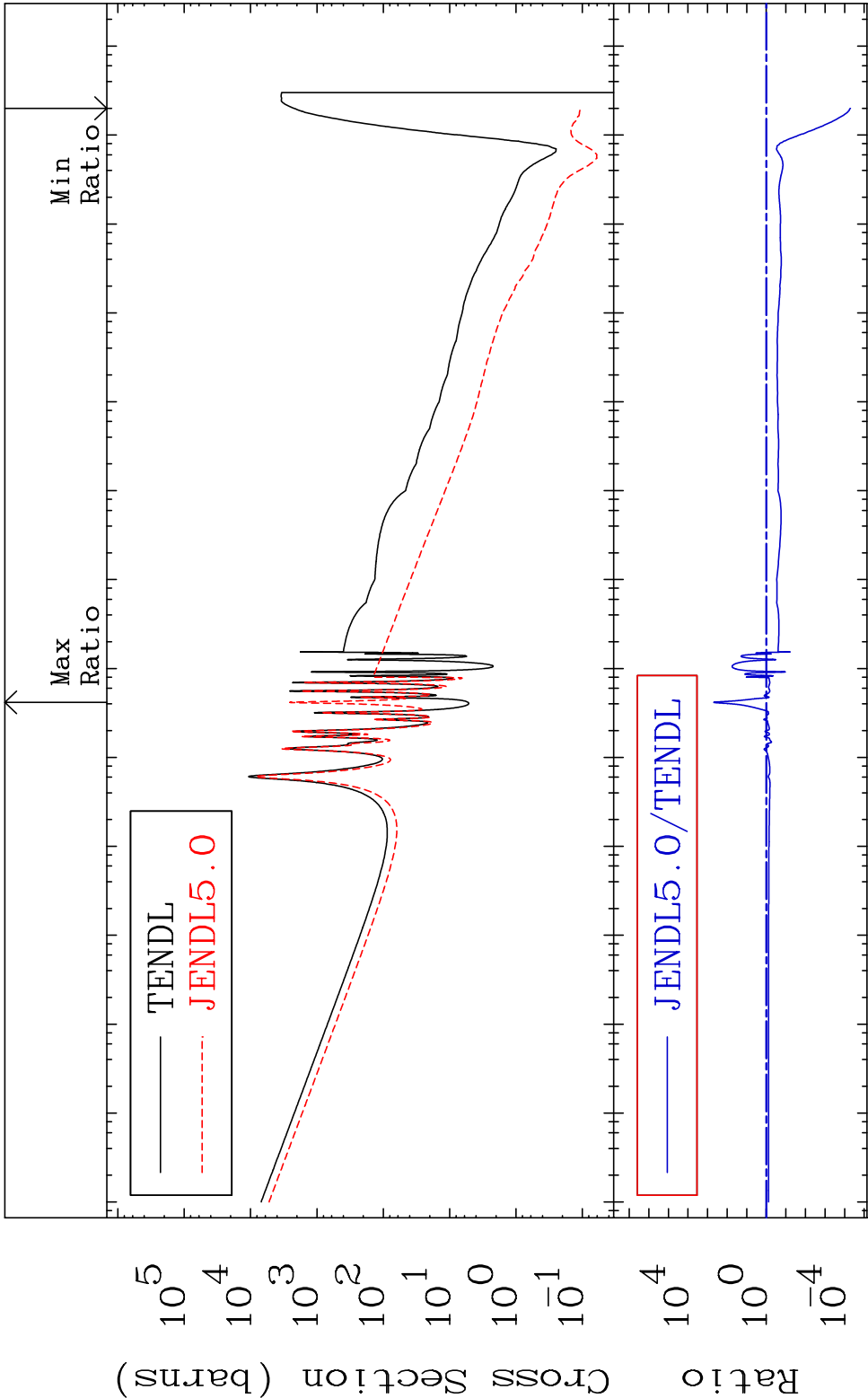
48 Incident Energy (eV) 90-Th-229

MAT 9031 Dpa elastic (mt2) 90-Th-229
Cross Section -1.989 To 35.76 %

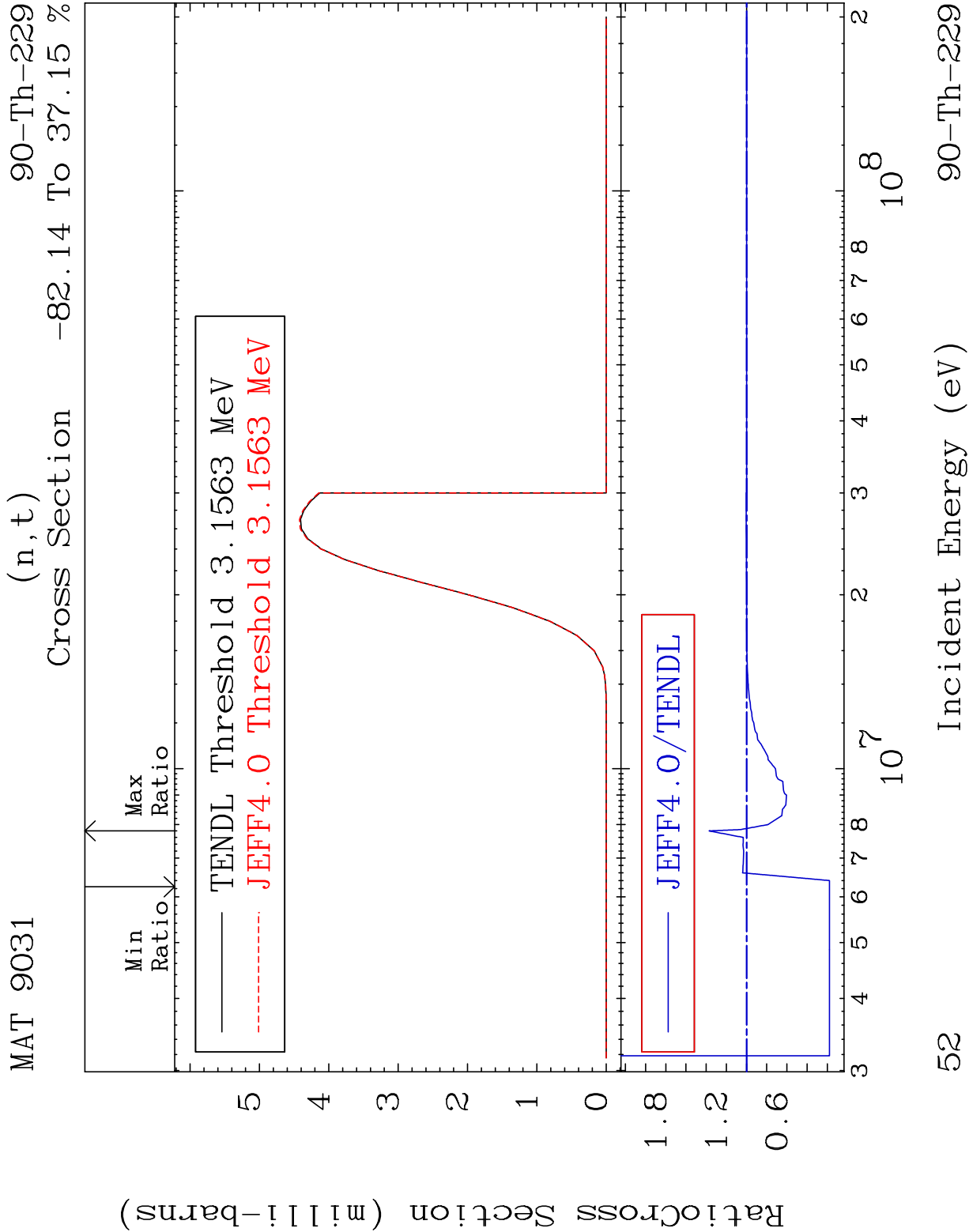


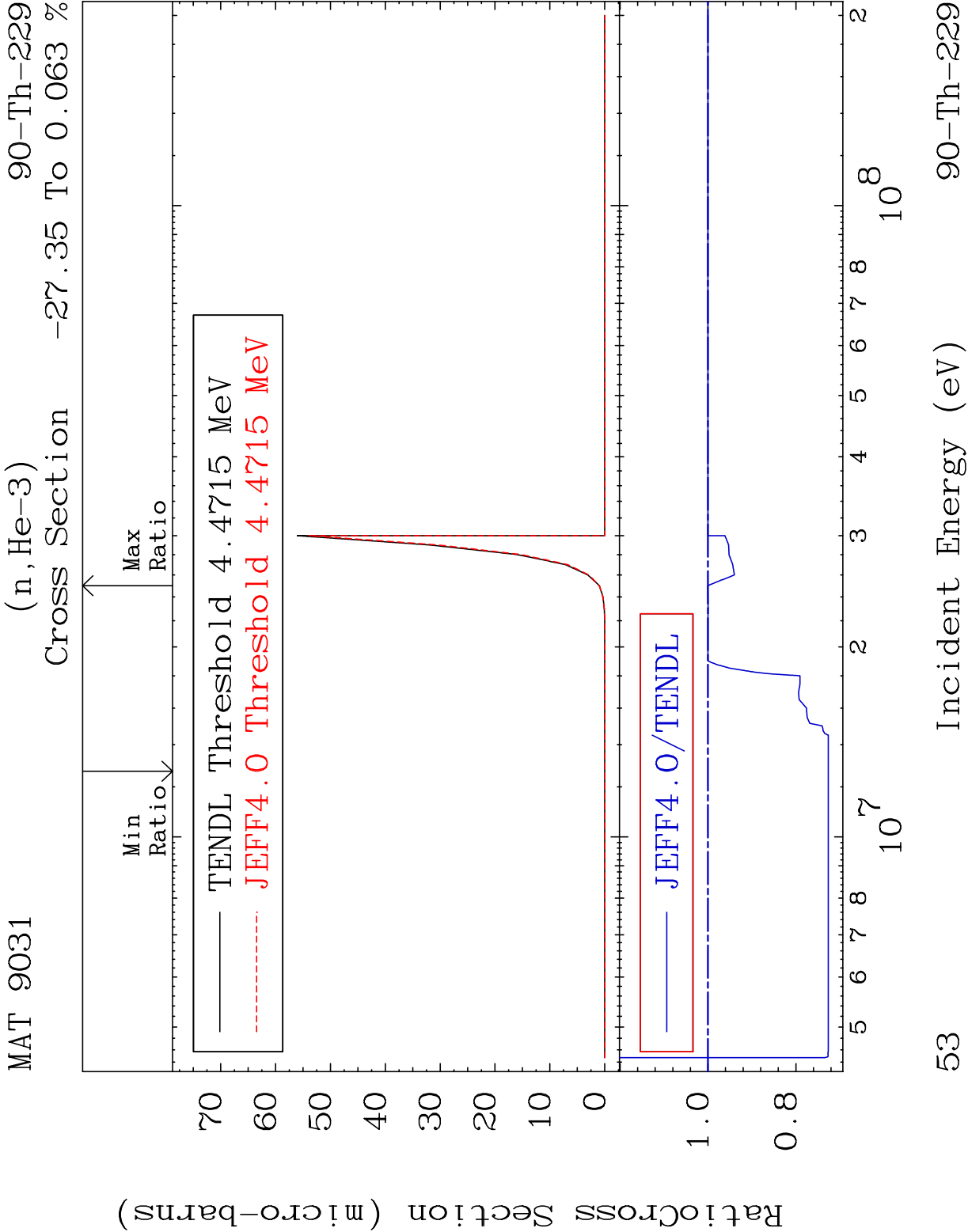


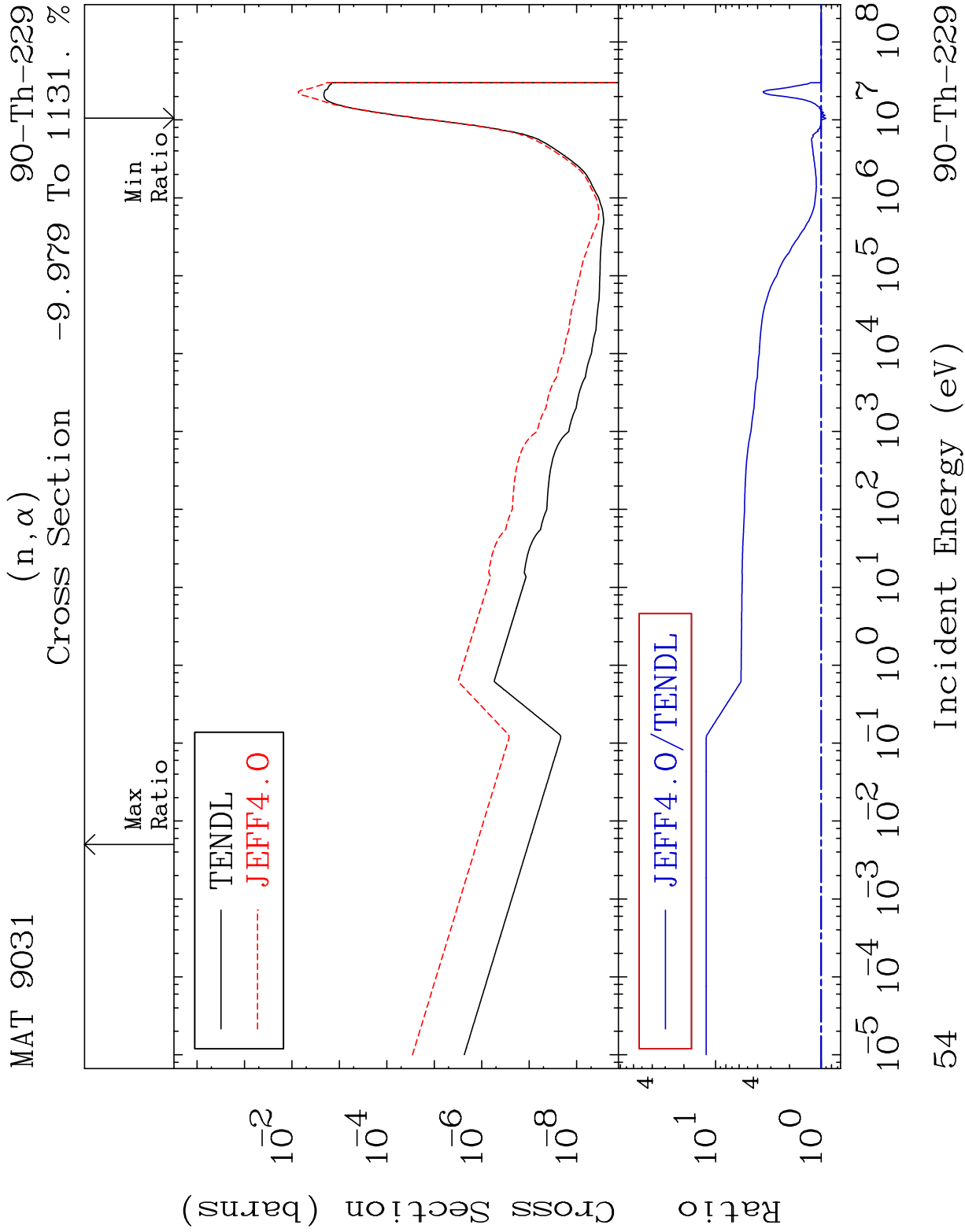
MAT 9031 Dpa disappearance (mt102 -120) 90-Th-229
Cross Section -99.99 To 9999. %

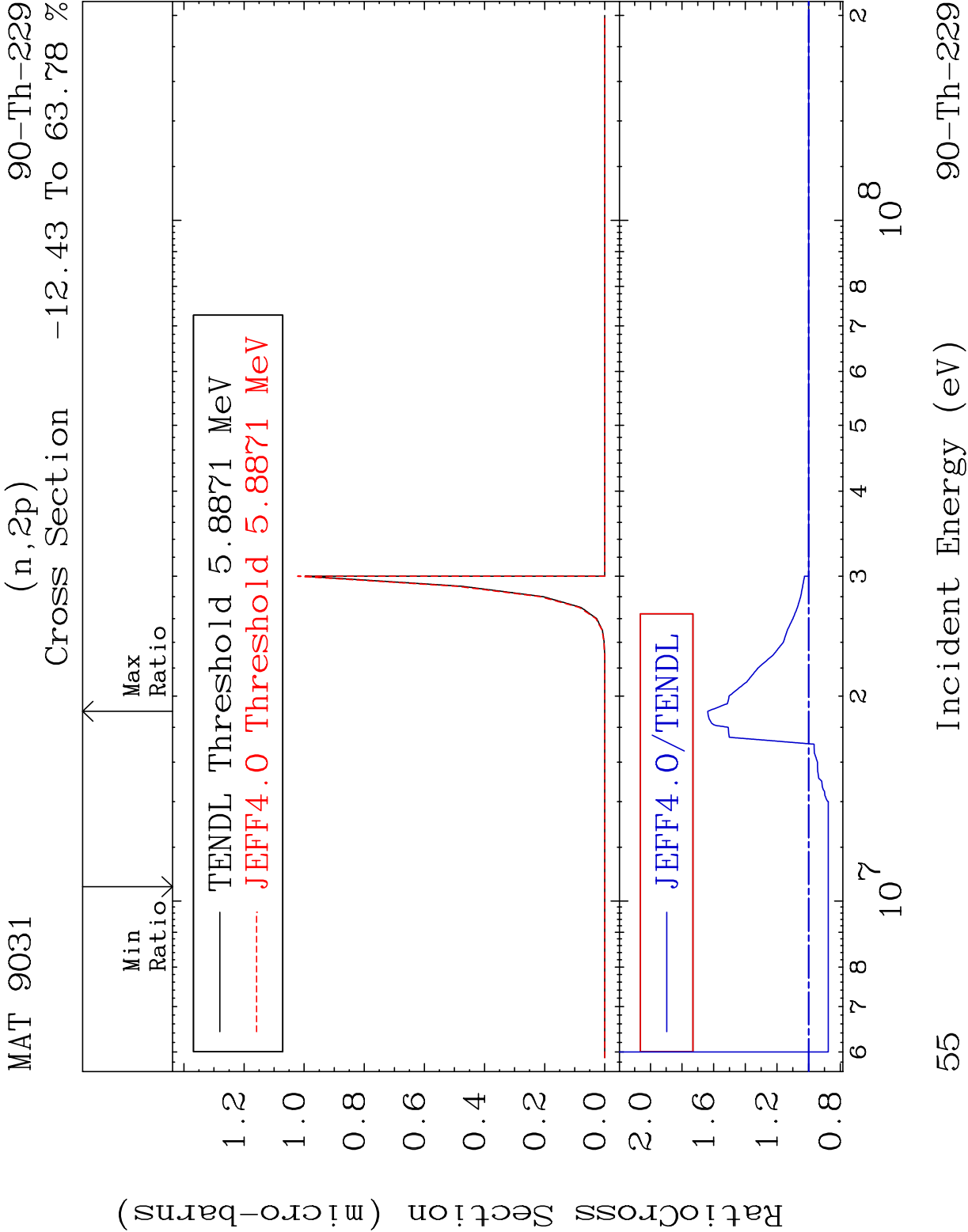


51 Incident Energy (eV) 90-Th-229

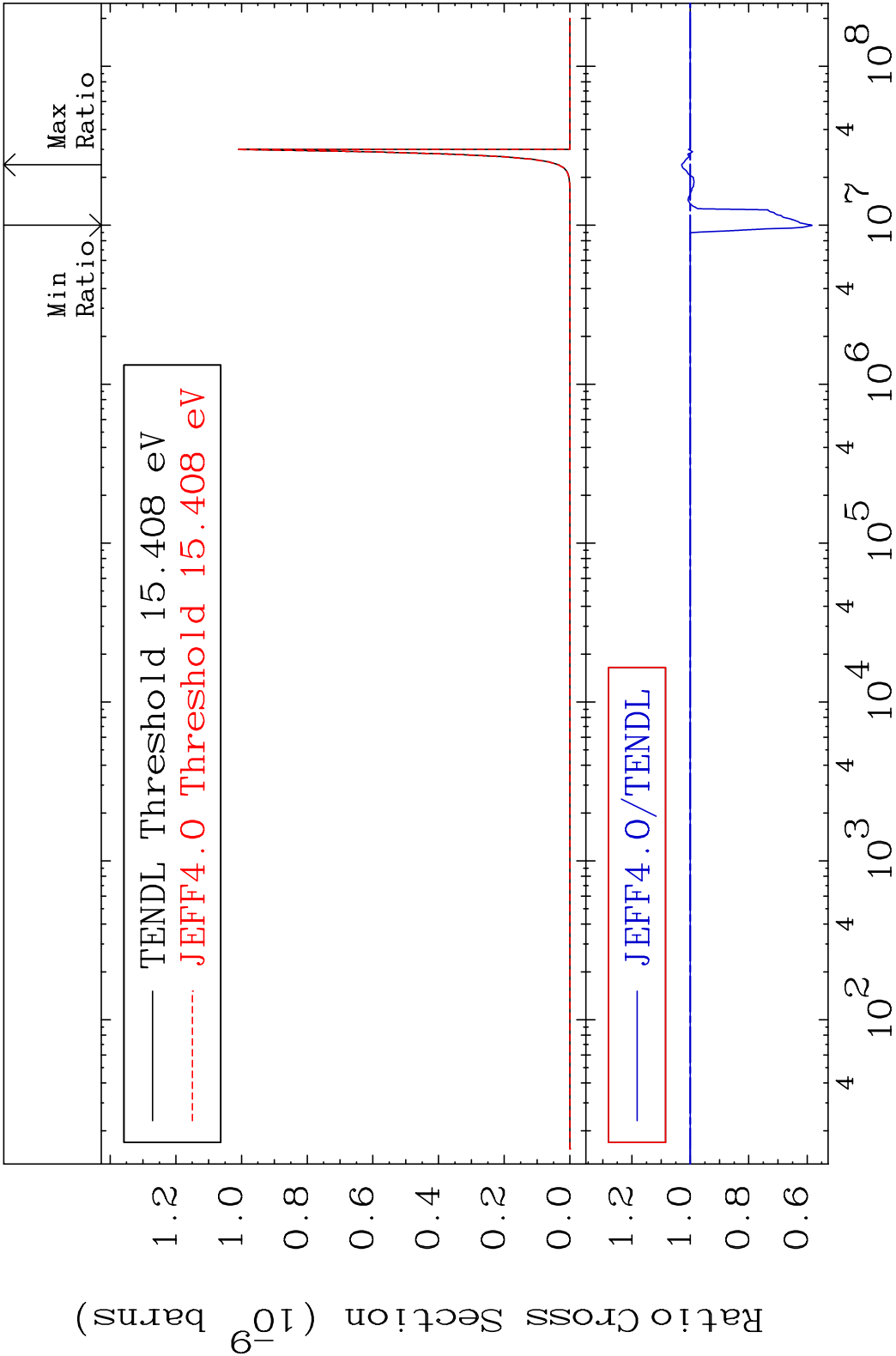


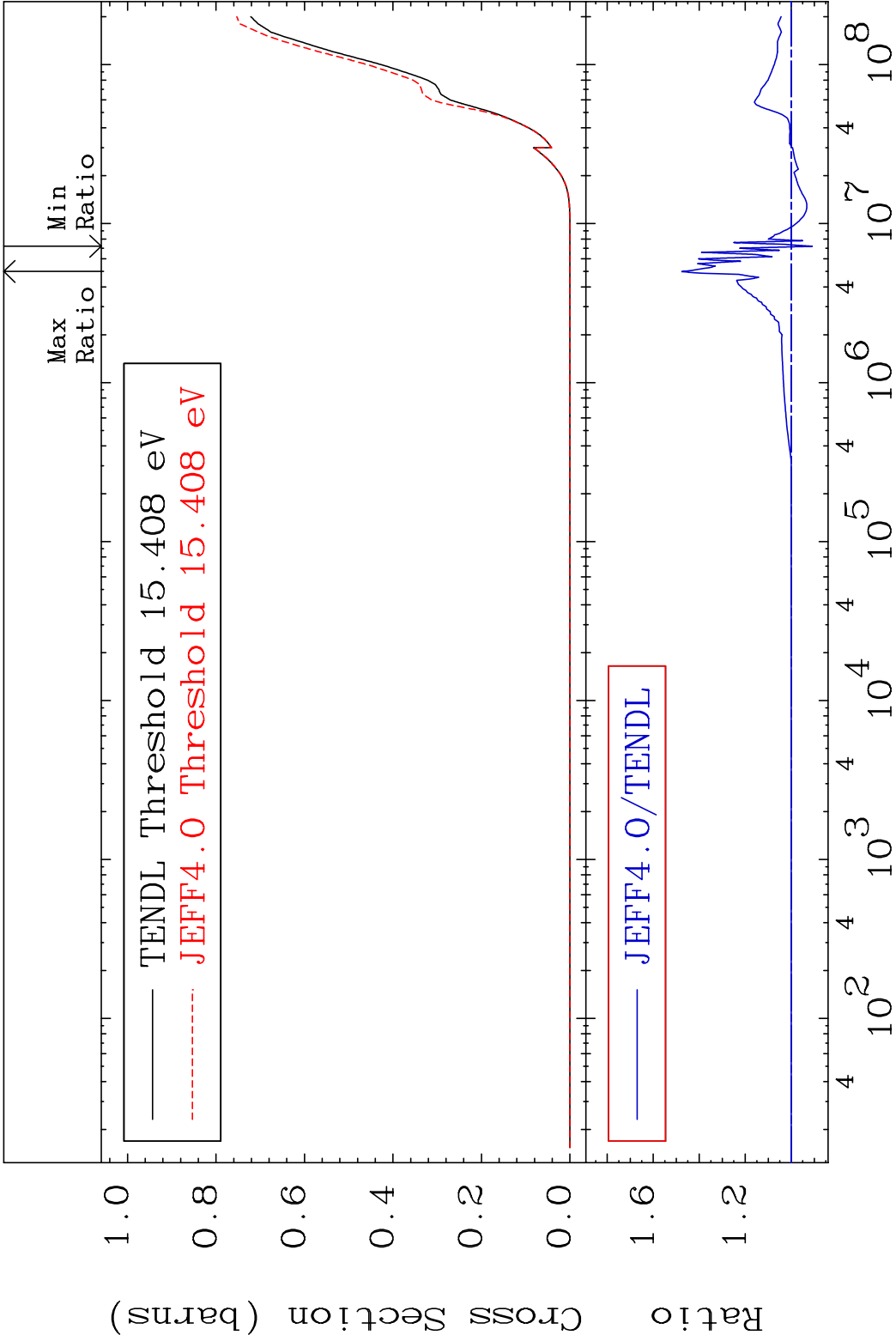


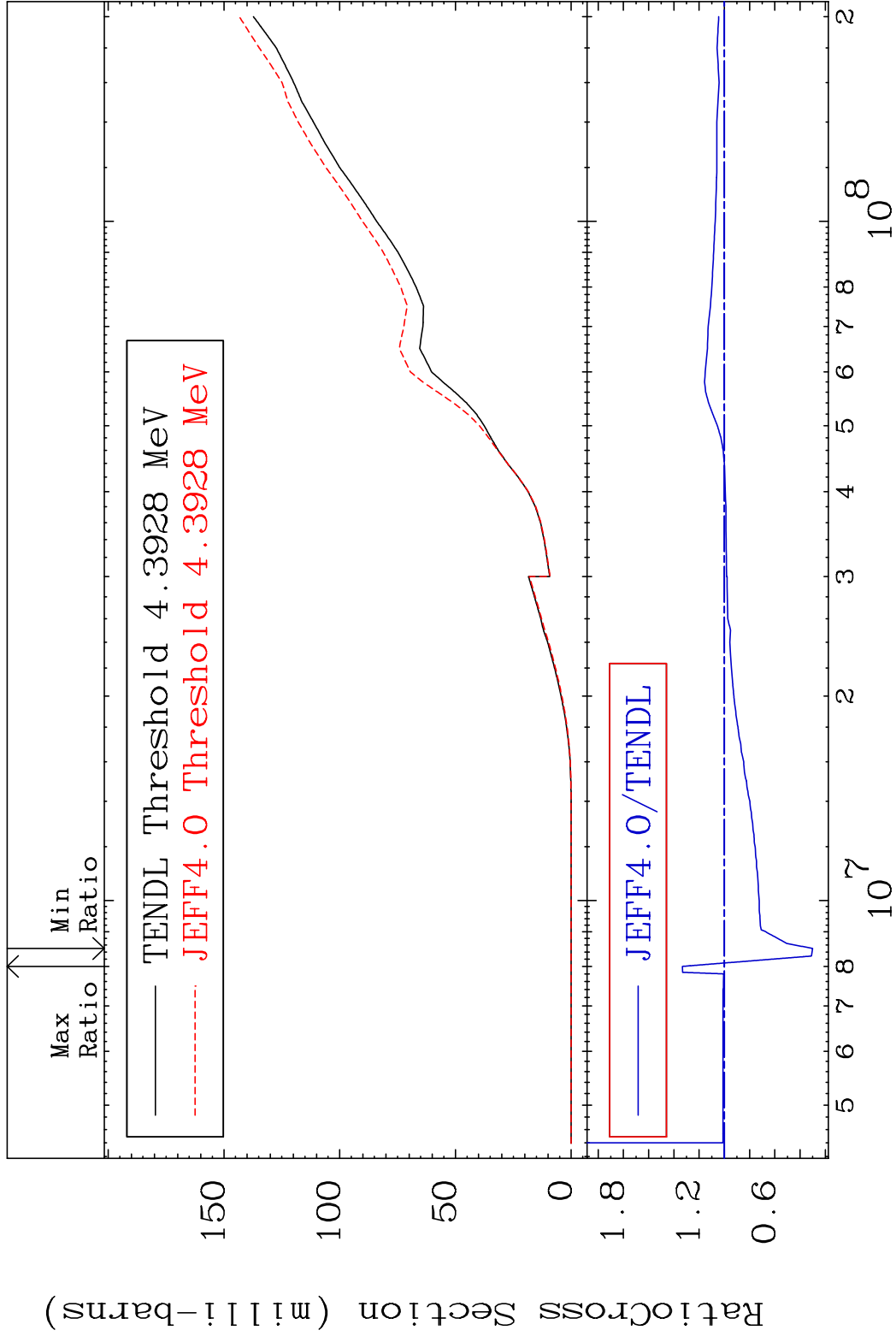


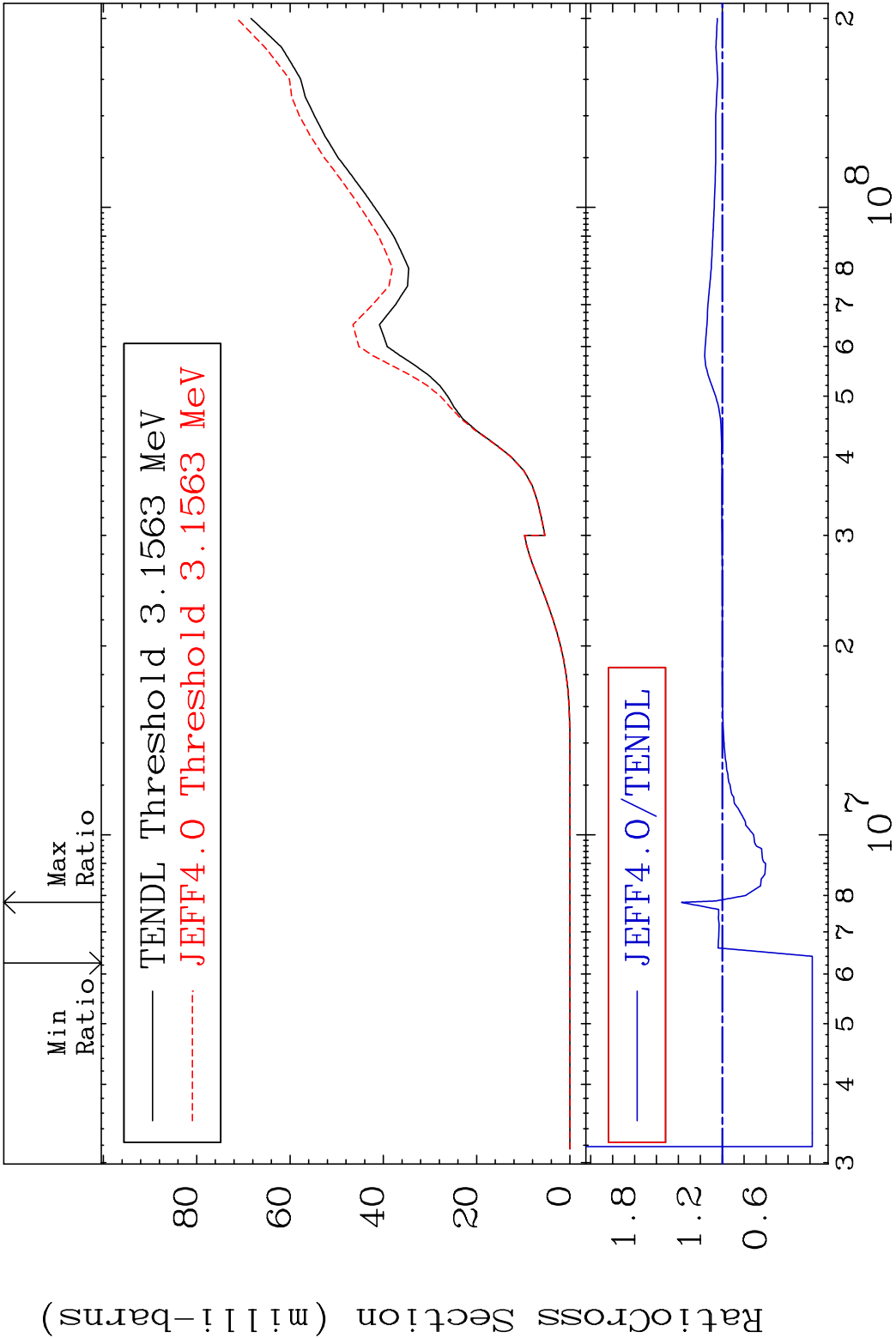


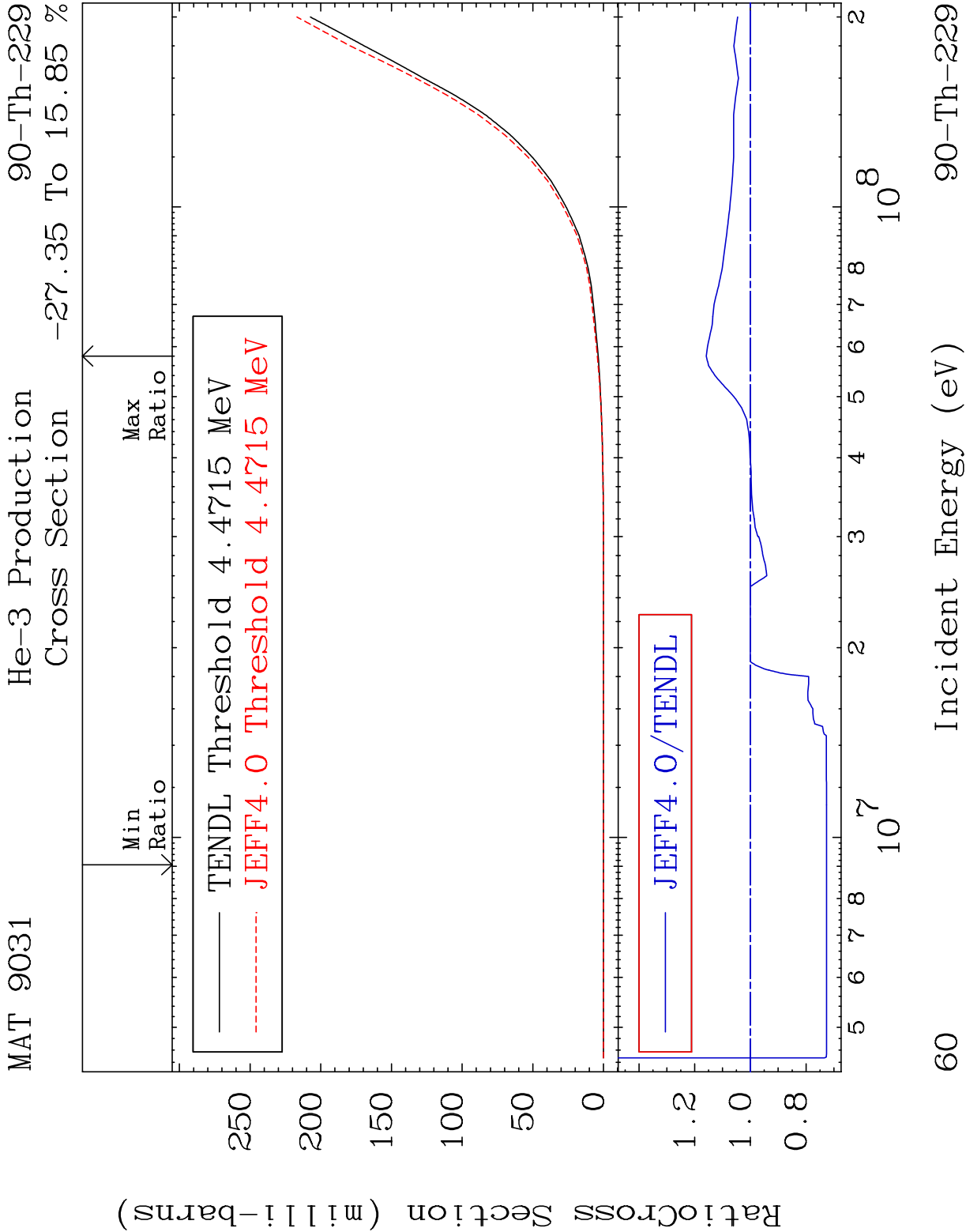
Cross Section -41.74 To 3.018 %

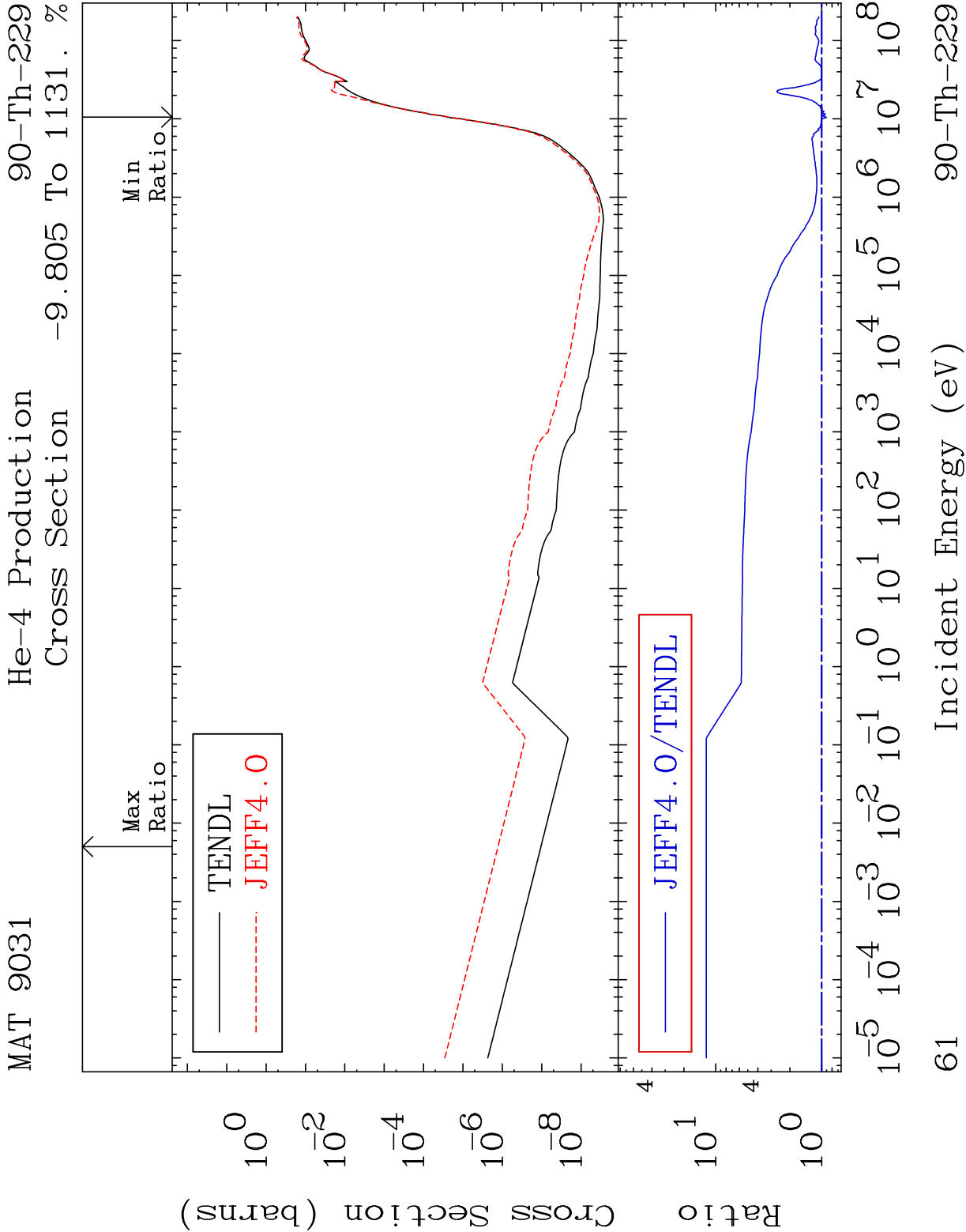


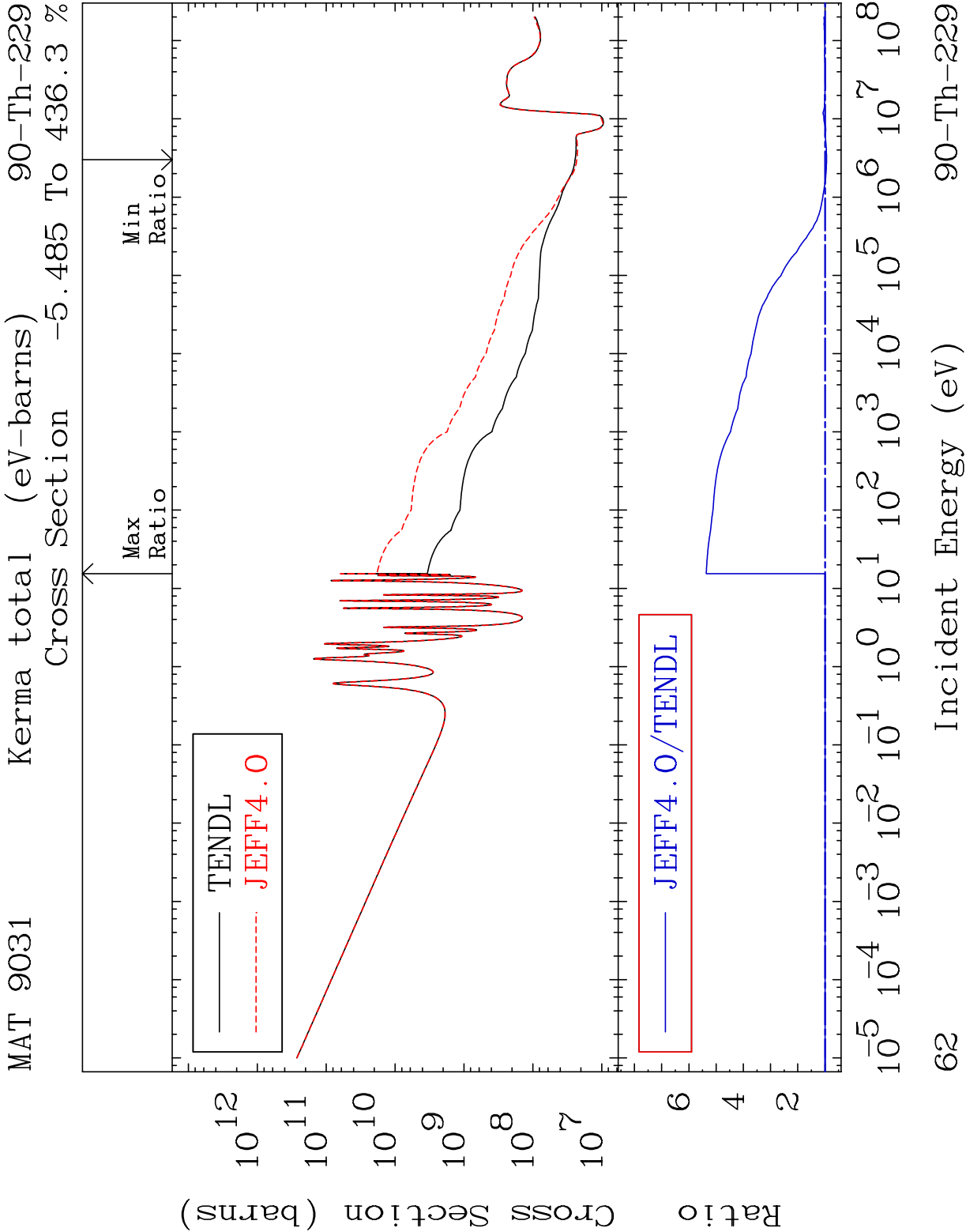








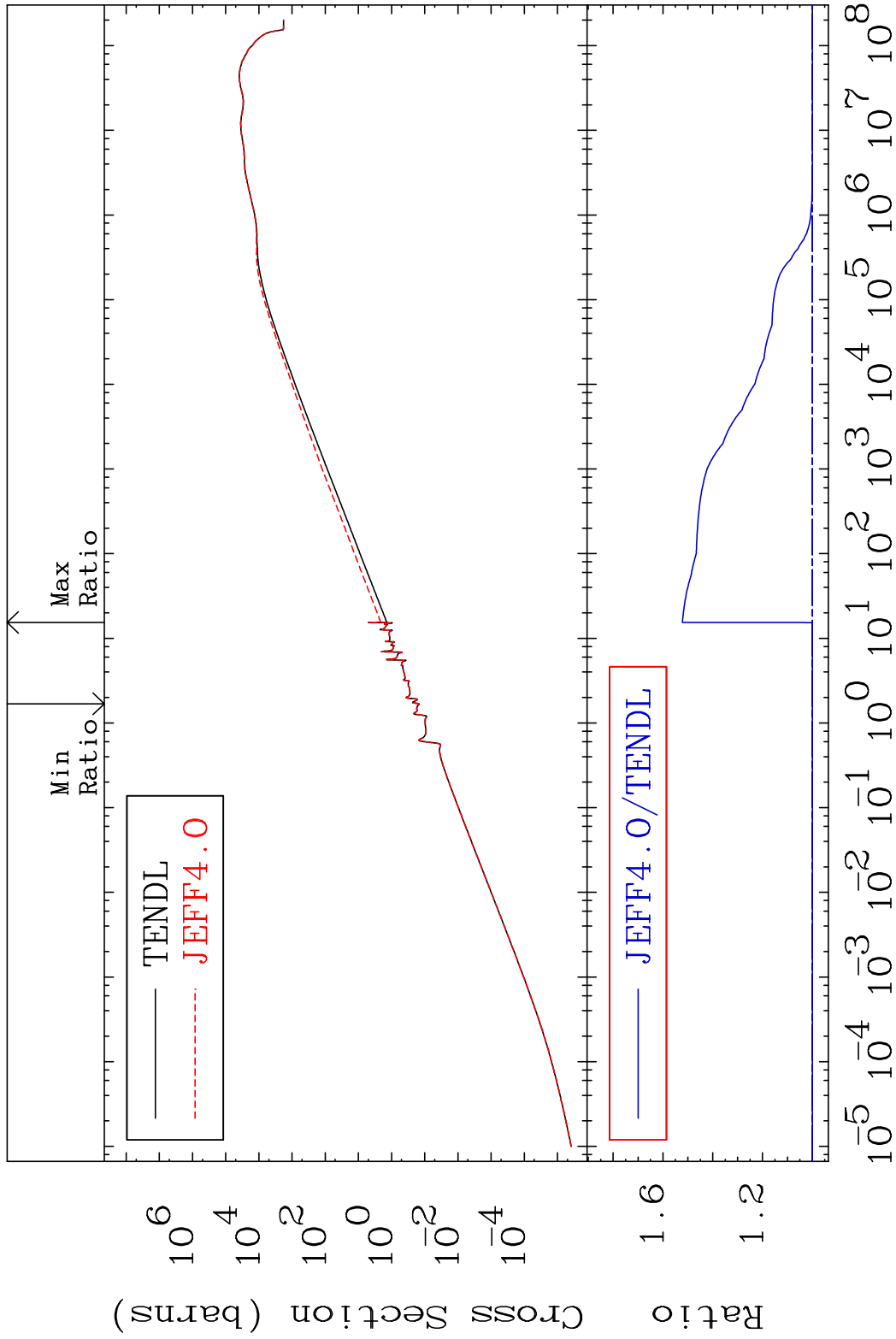




MAT 9031

Kerma elastic
Cross Section

90-Th-229
-0.092 To 52.21 %

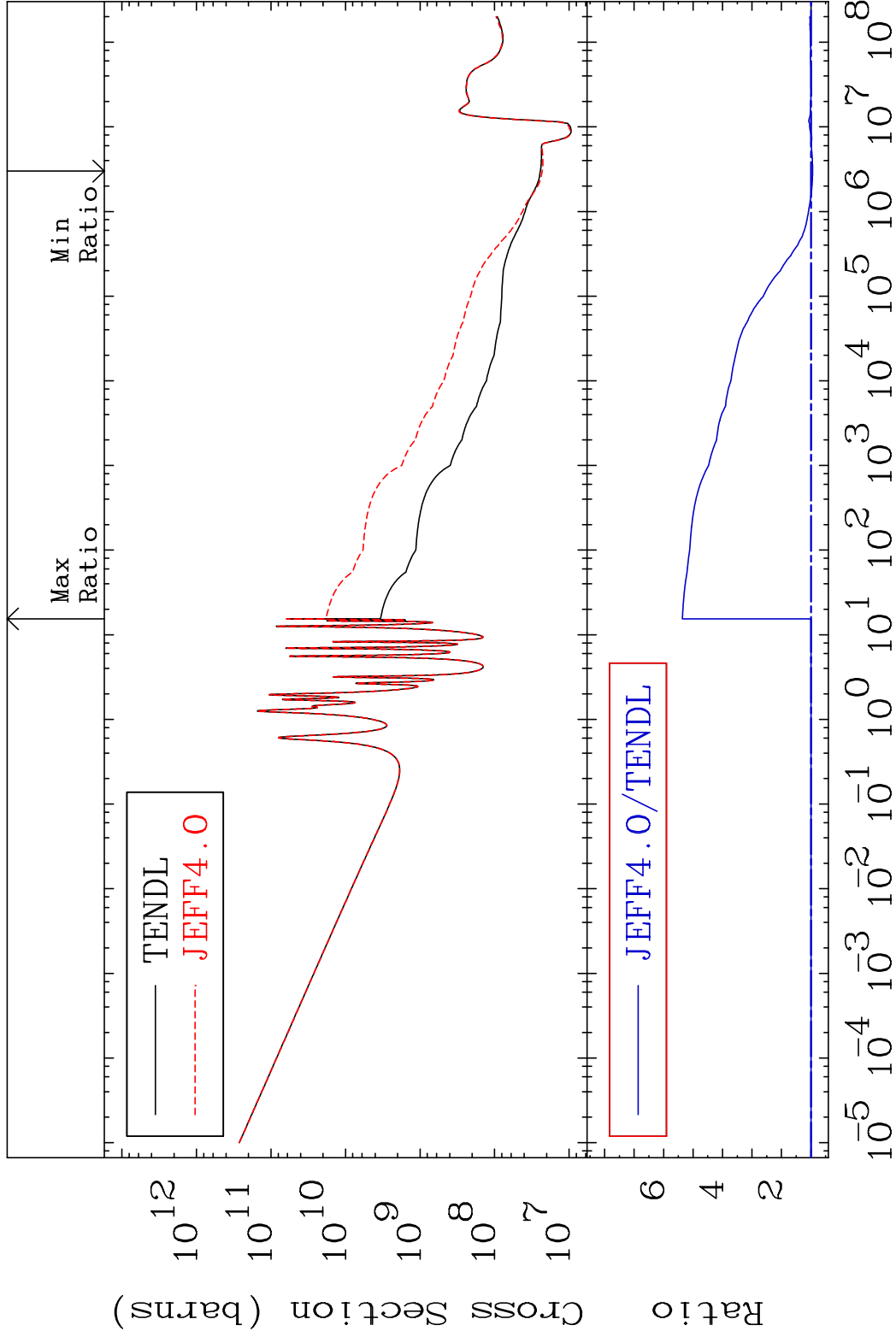


63

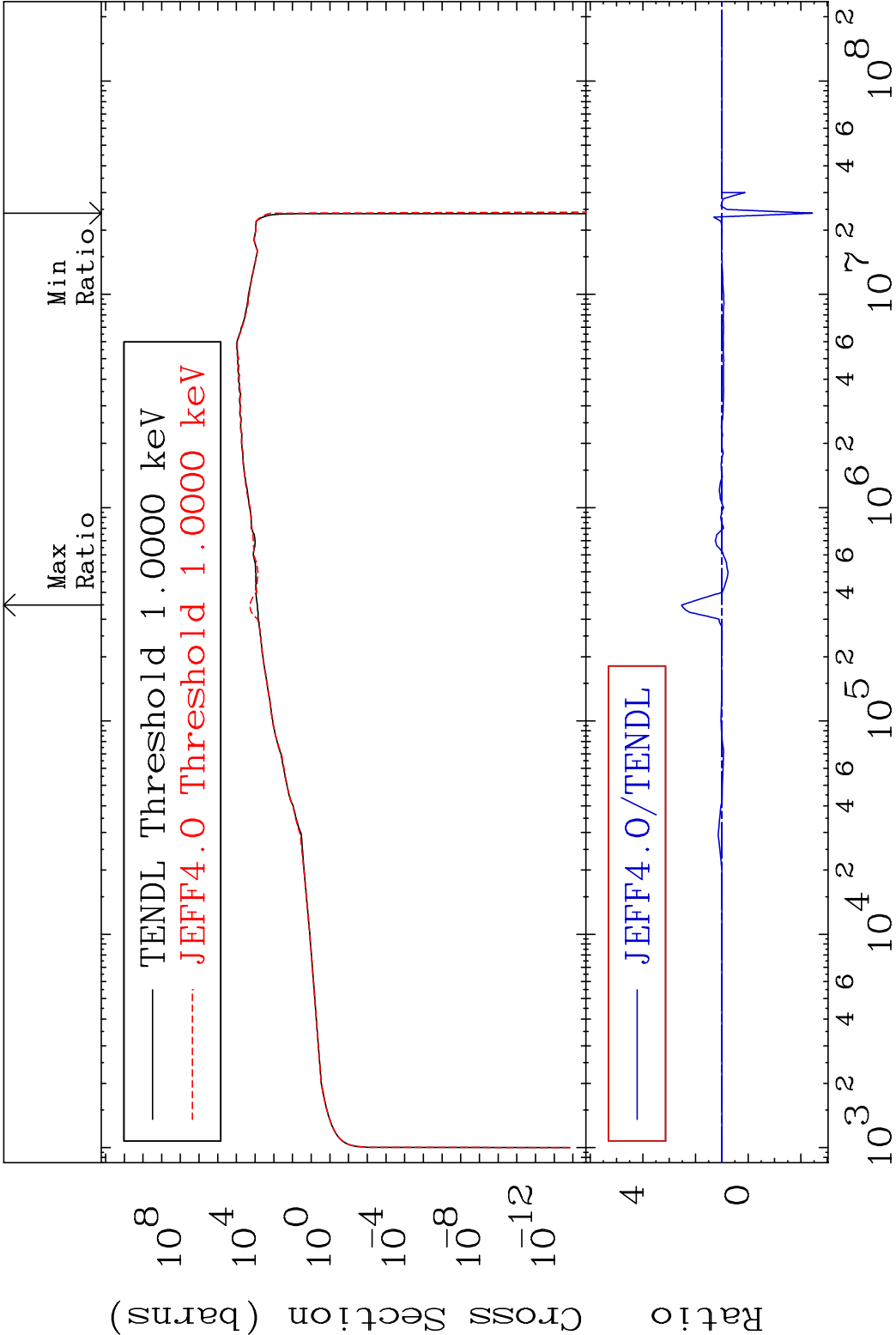
Incident Energy (eV)

90-Th-229

MAT 9031 Kerma non-elastic (all but mt2) 90-Th-229
Cross Section -5.491 To 436.3 %

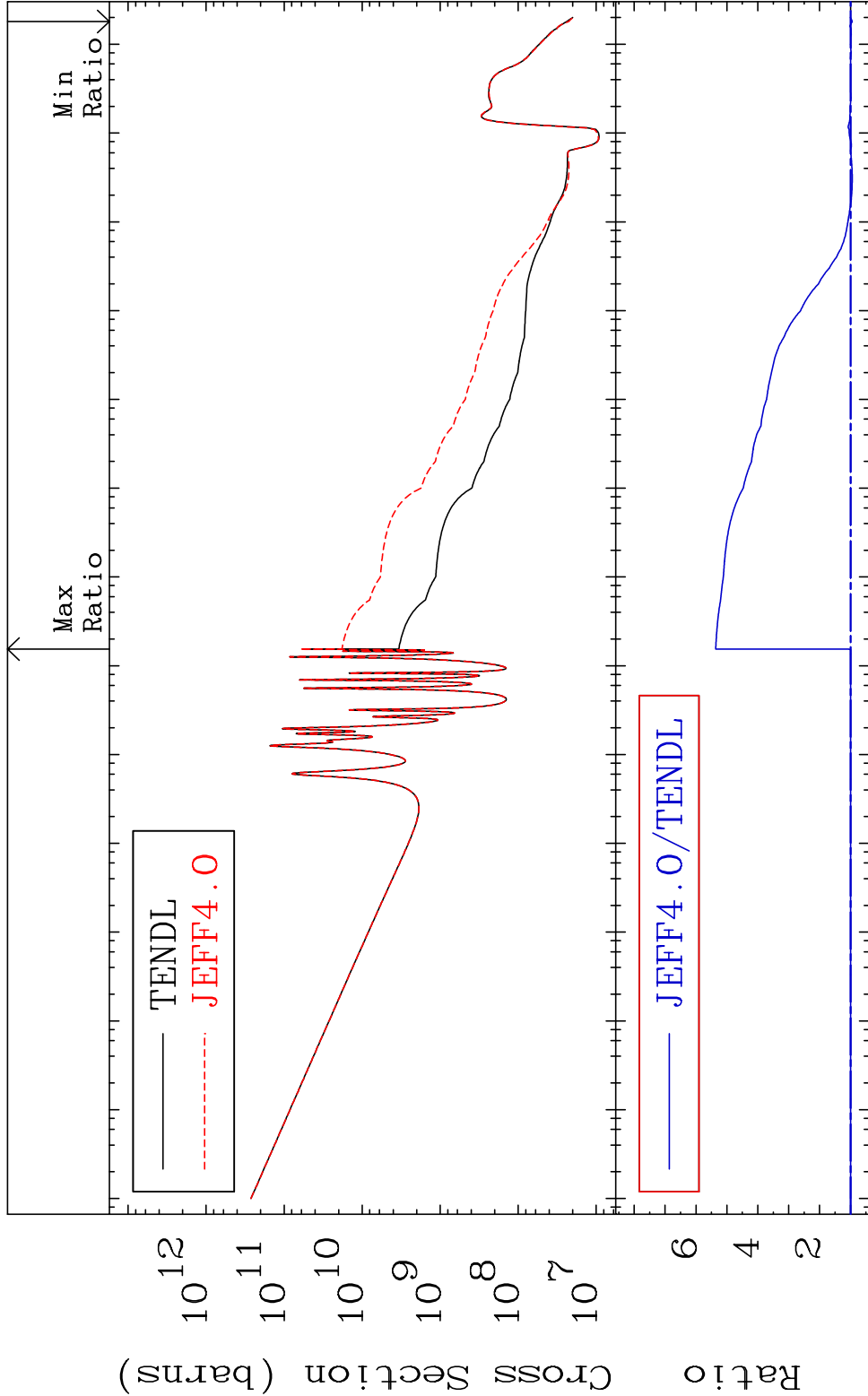


64 Incident Energy (eV) 90-Th-229



MAT 9031 Kerma fission (mt18 or mt19-20-21-38)90-Th-229

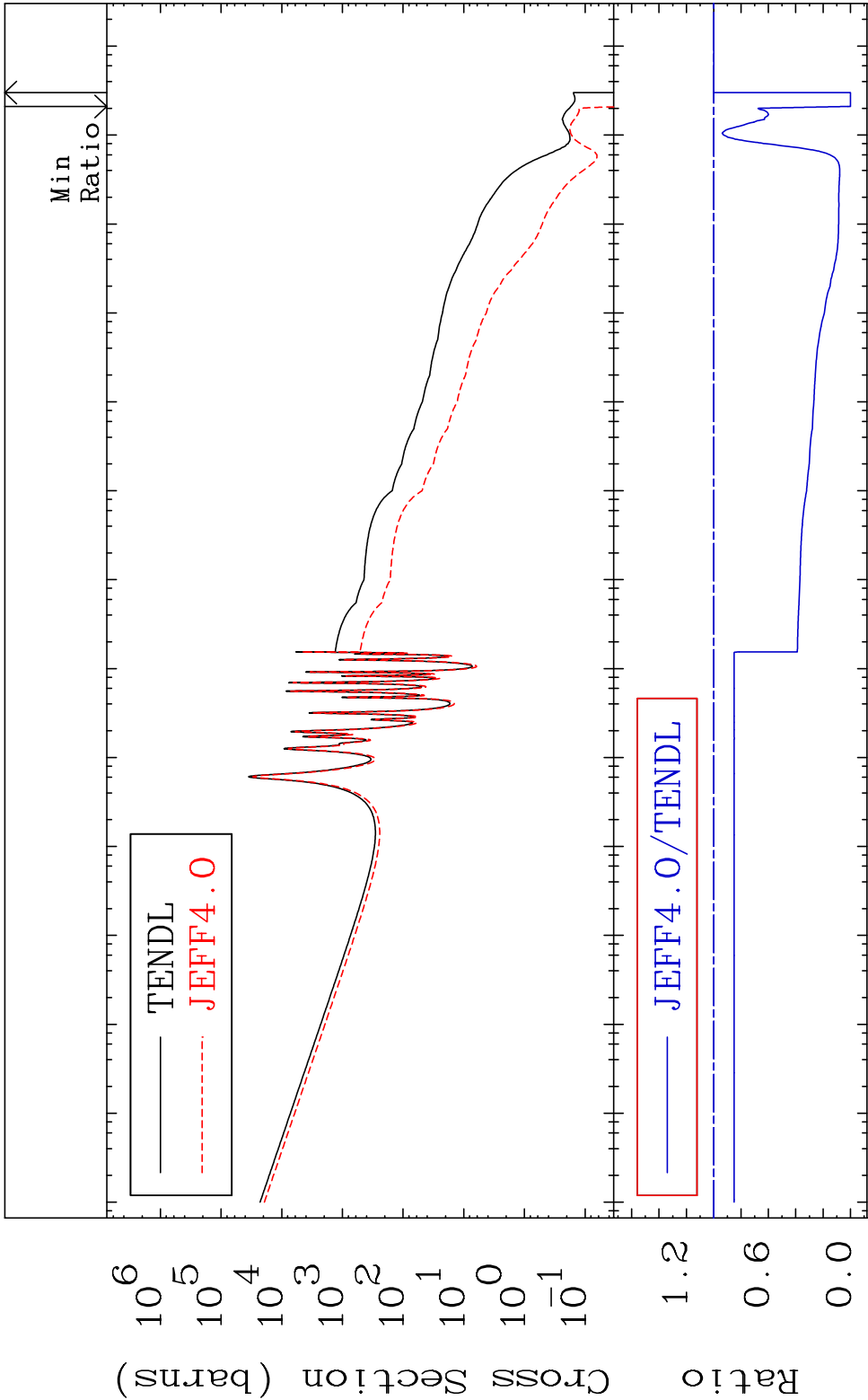
Cross Section -5.581 To 436.3 %



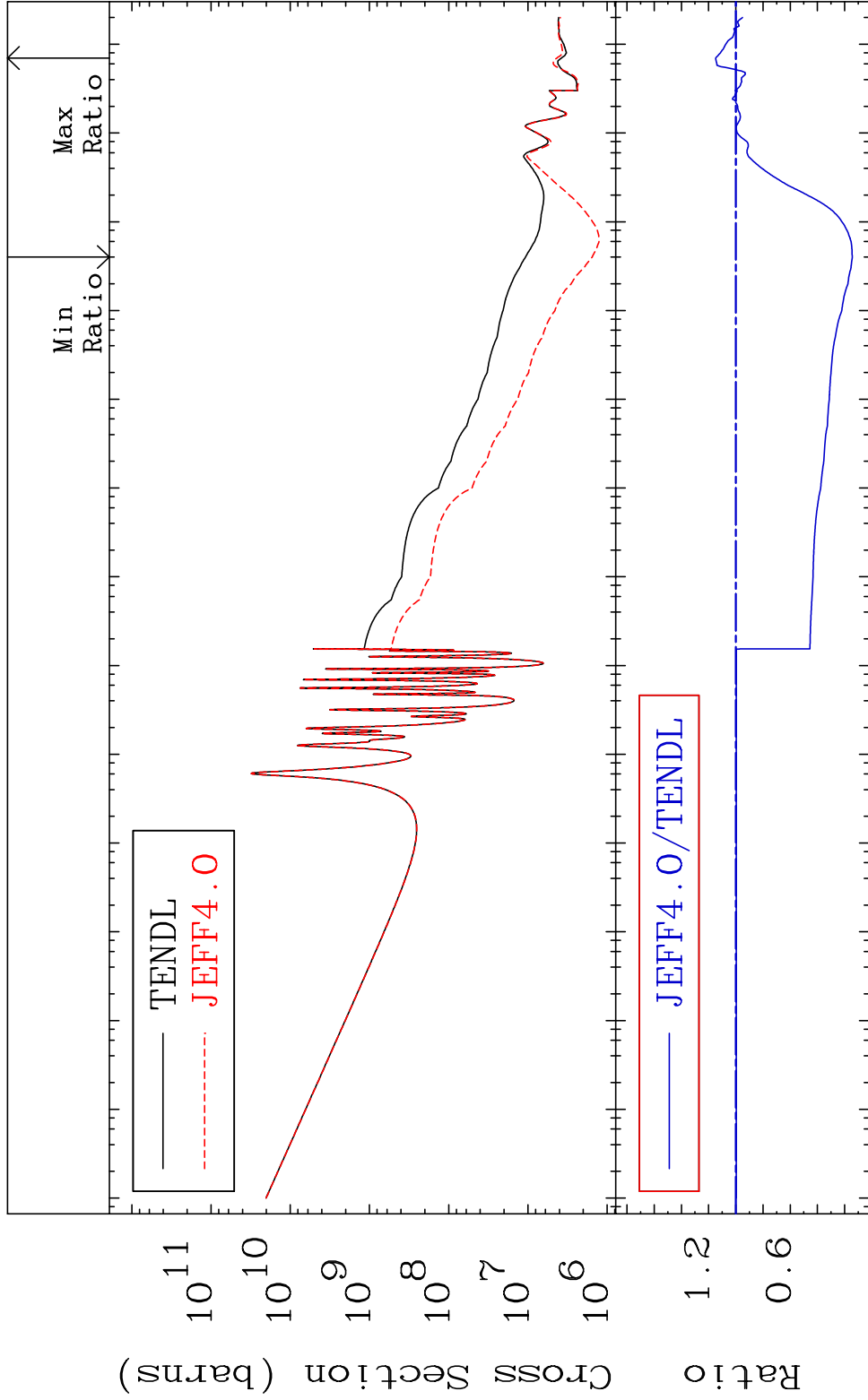
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

66 Incident Energy (eV) 90-Th-229

MAT 9031 Kerma capture (mt102) 90-Th-229
 Cross Section -100.0 To 0.000 %

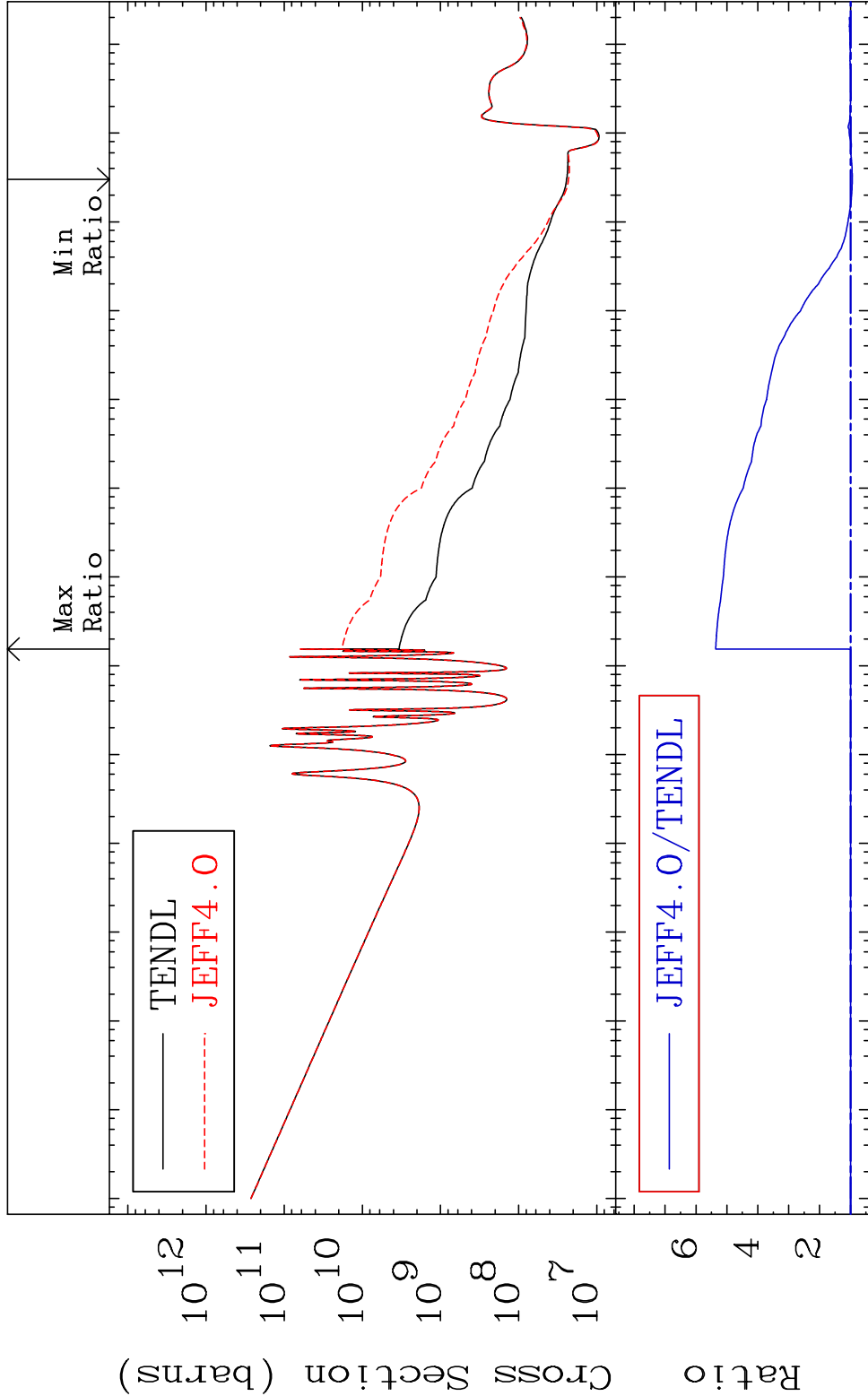


MAT 9031 Total photon (eV-barns) 90-Th-229
Cross Section -85.57 To 14.81 %



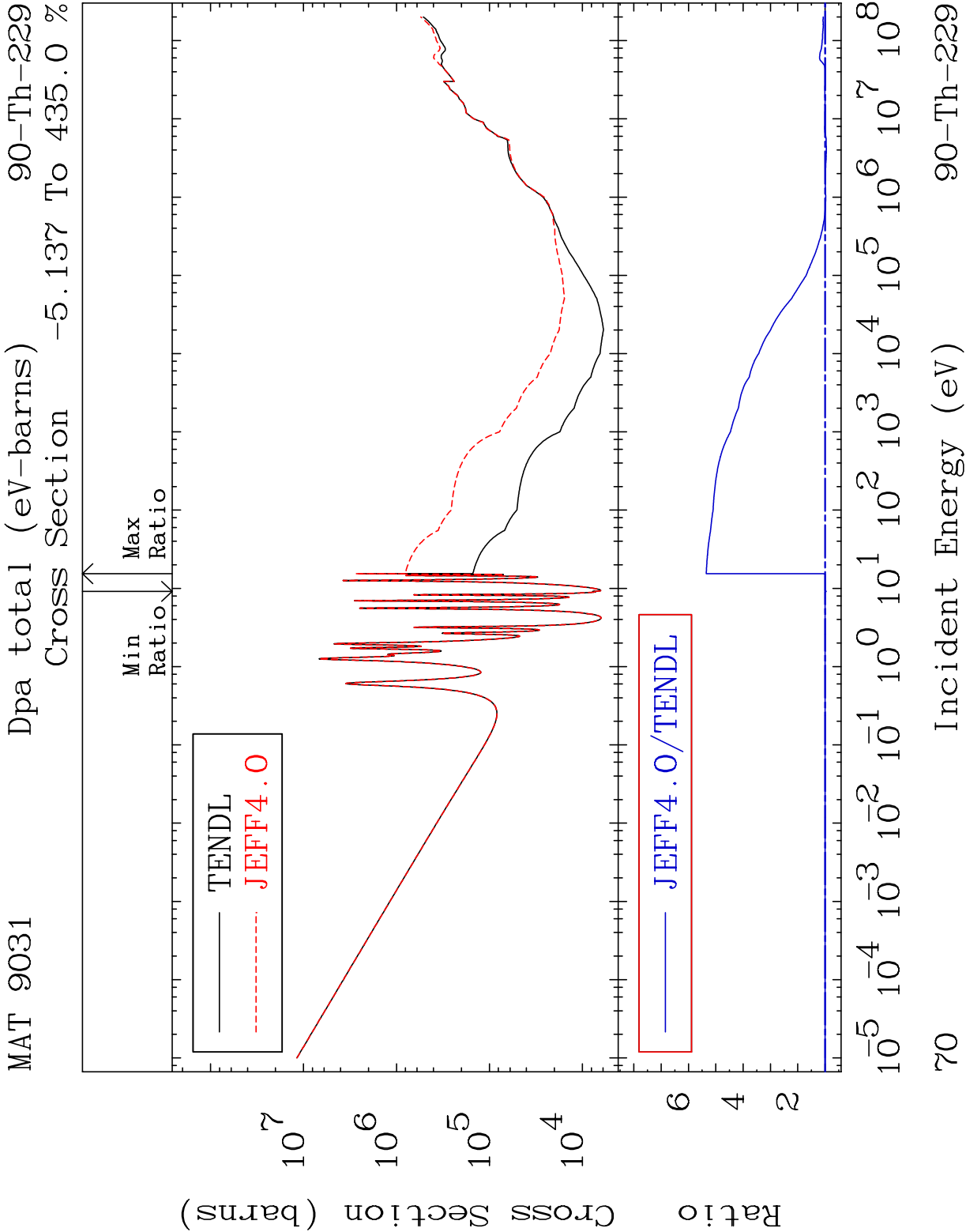
MAT 9031 Total kinematic kerma (high limit) 90-Th-229

Cross Section -5.486 To 436.3 %



Ratio

69 Incident Energy (eV) 90-Th-229



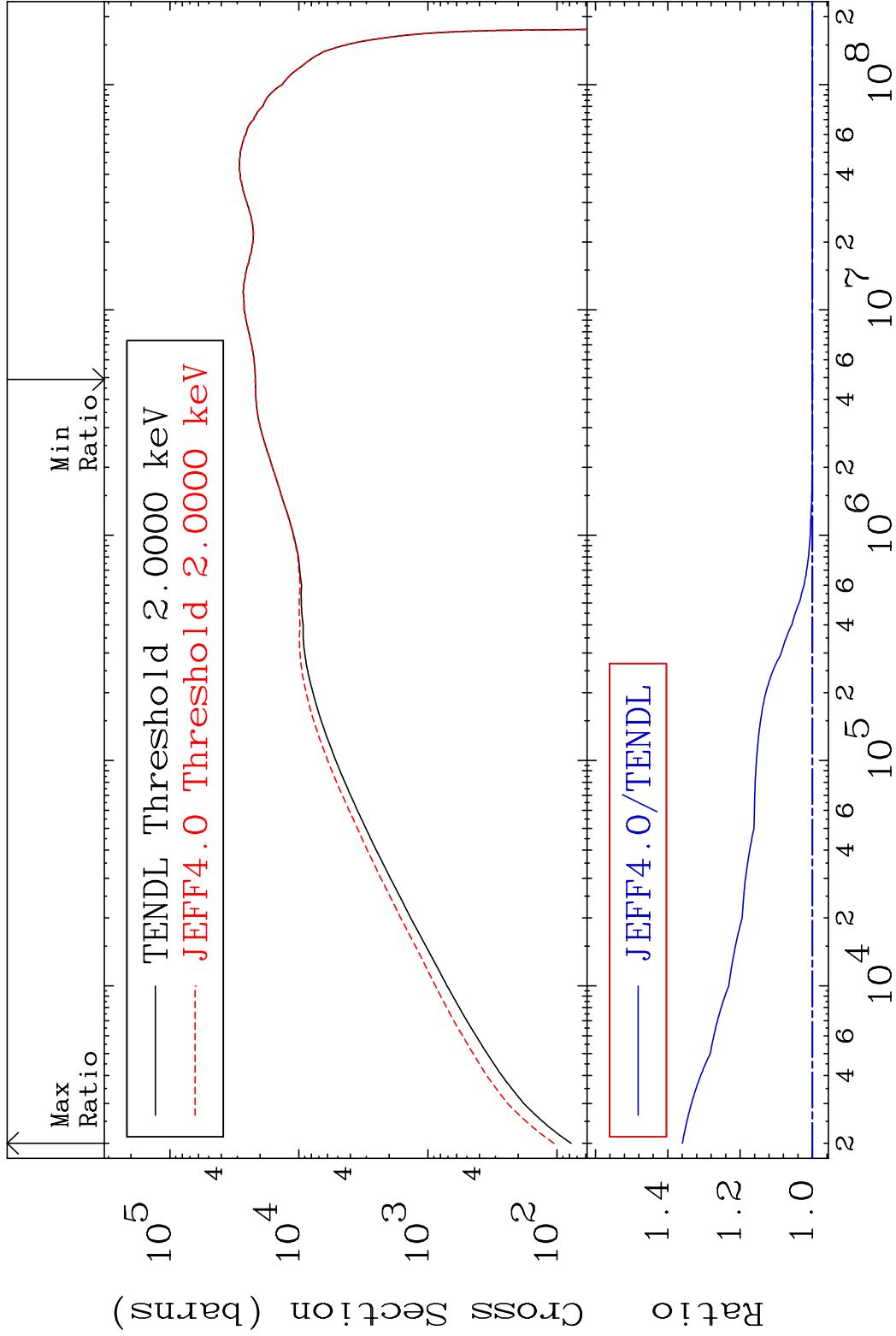
MAT 9031

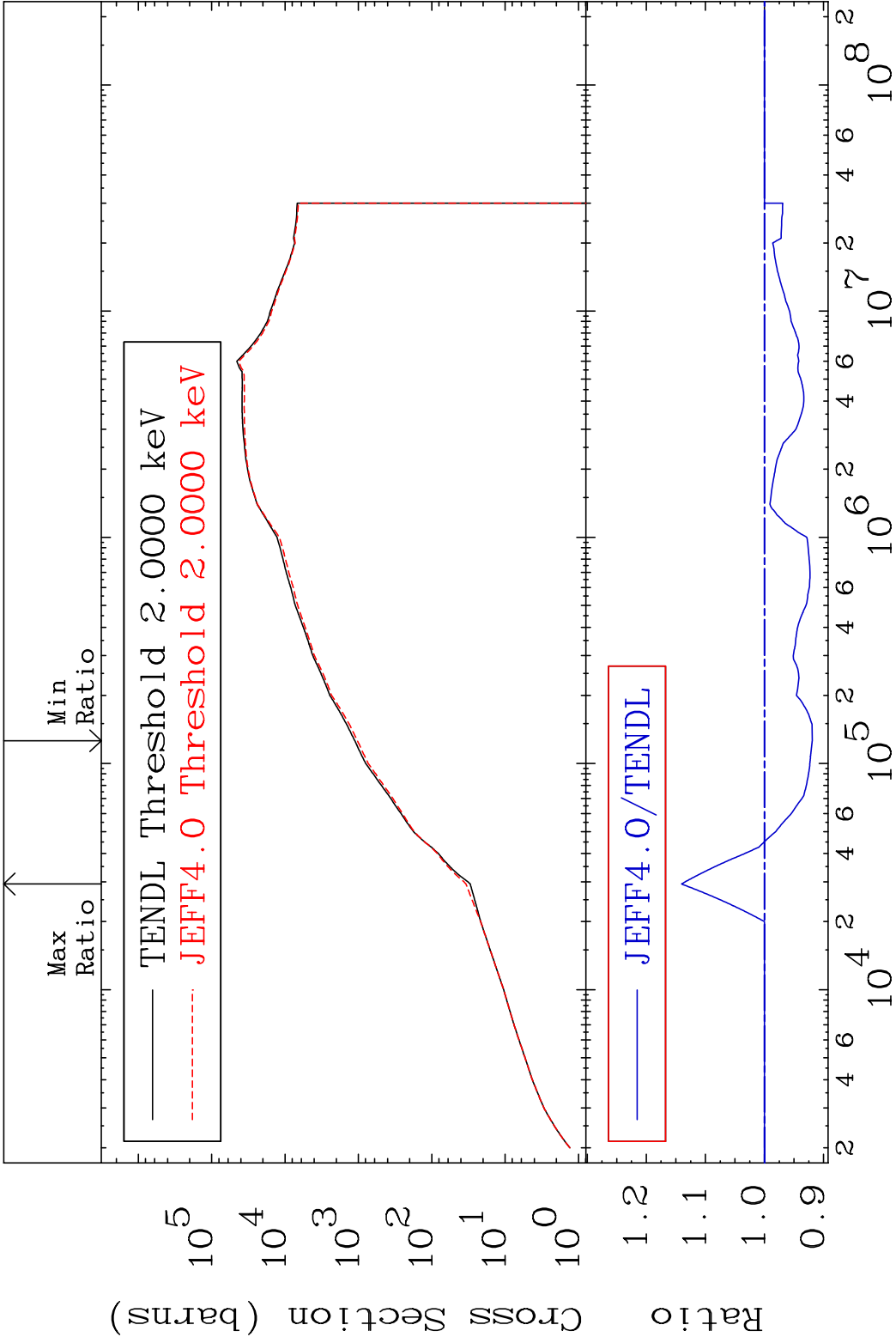
Dpa elastic (mt2)

90-Th-229

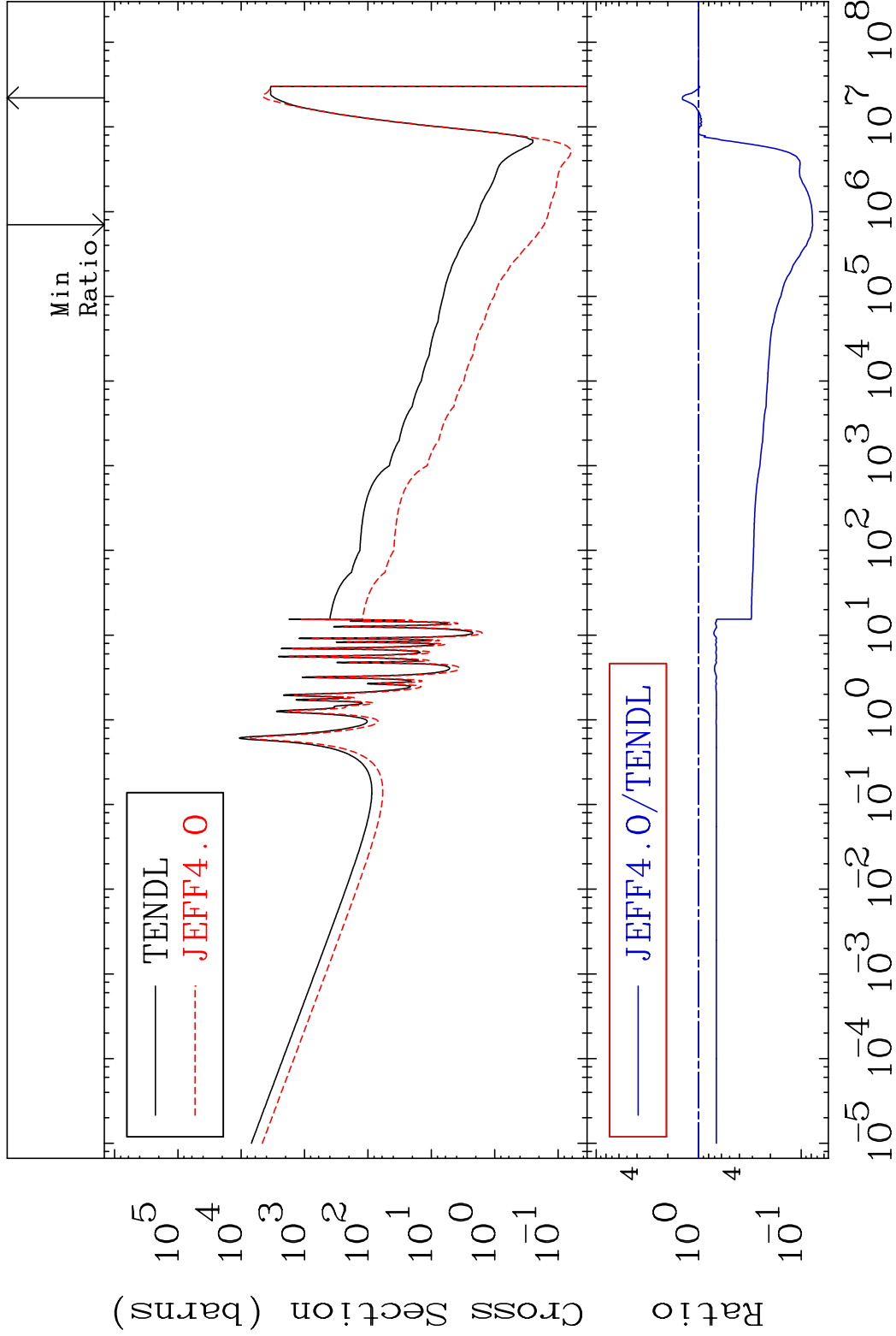
Cross Section

-0.027 To 35.97 %





MAT 9031 Dpa disappearance (mt102 -120) 90-Th-229
Cross Section -92.25 To 44.30 %



73 Incident Energy (eV) 90-Th-229

