

Program Complot
(Version 2018-1)

by

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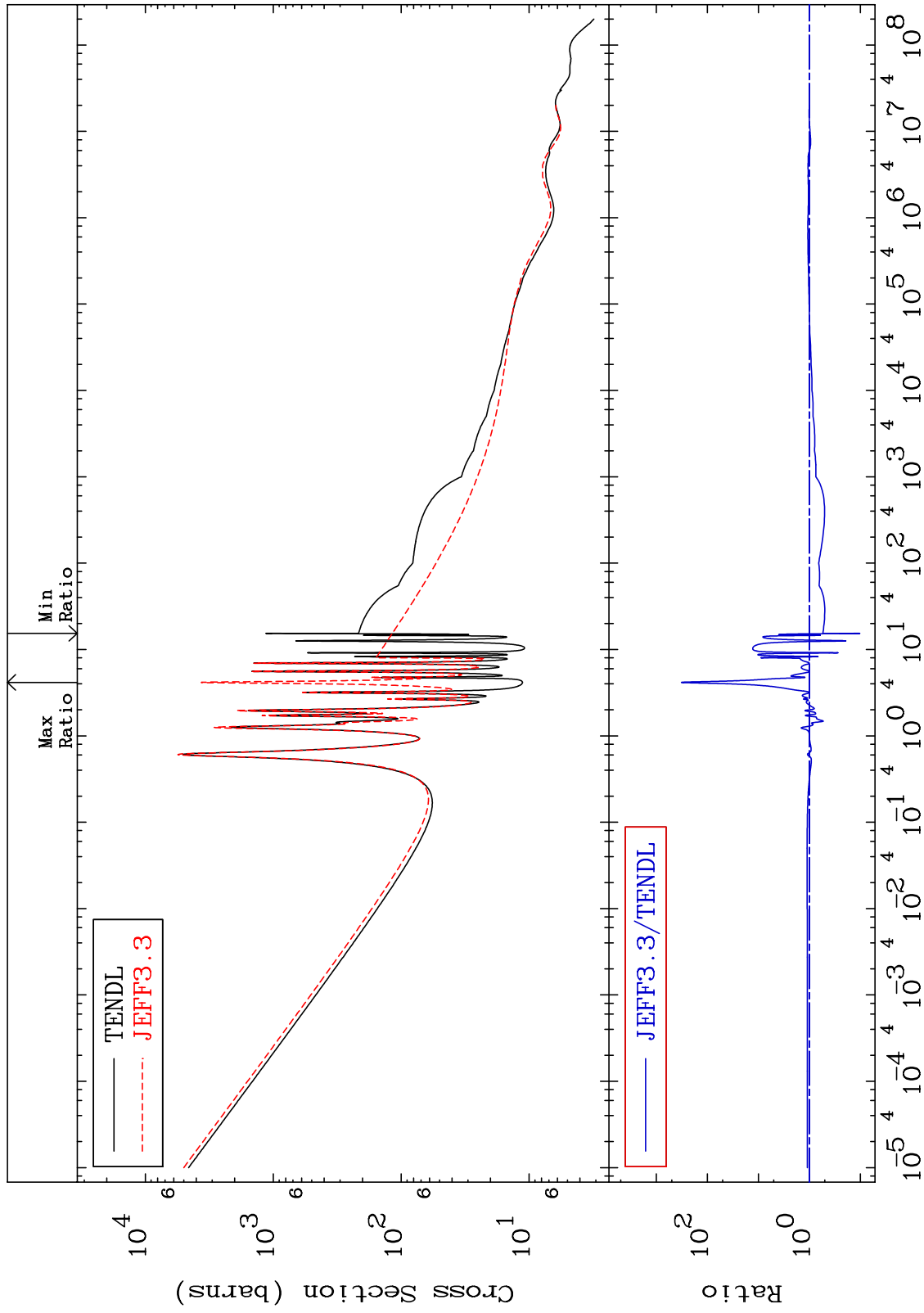
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9031

Total
Cross Section

90-Th-229
-89.72 To 9999. %



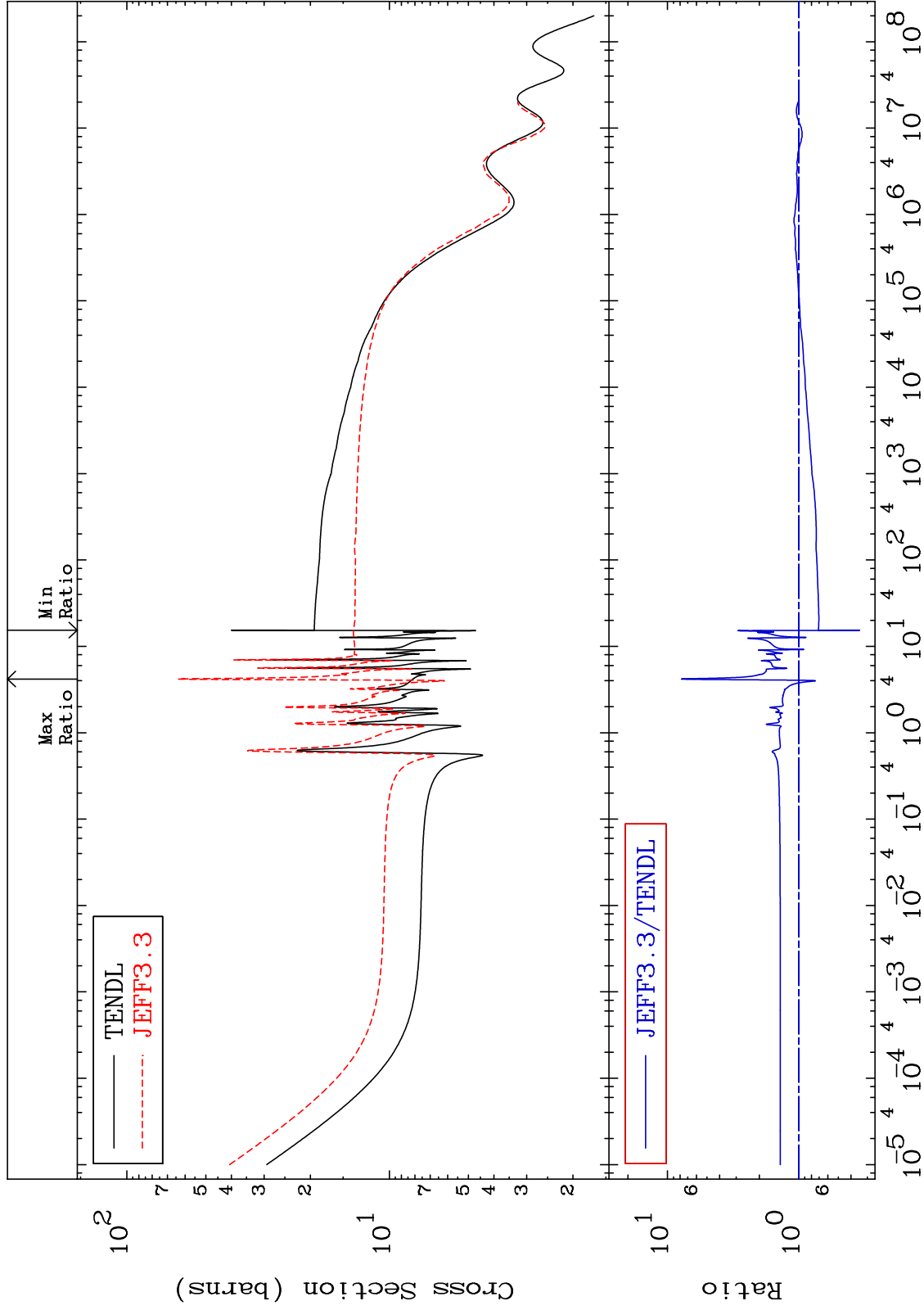
Incident Energy (eV)

90-Th-229

MAT 9031

Elastic
Cross Section

90-Th-229
-65.70 To 684.9 %



2

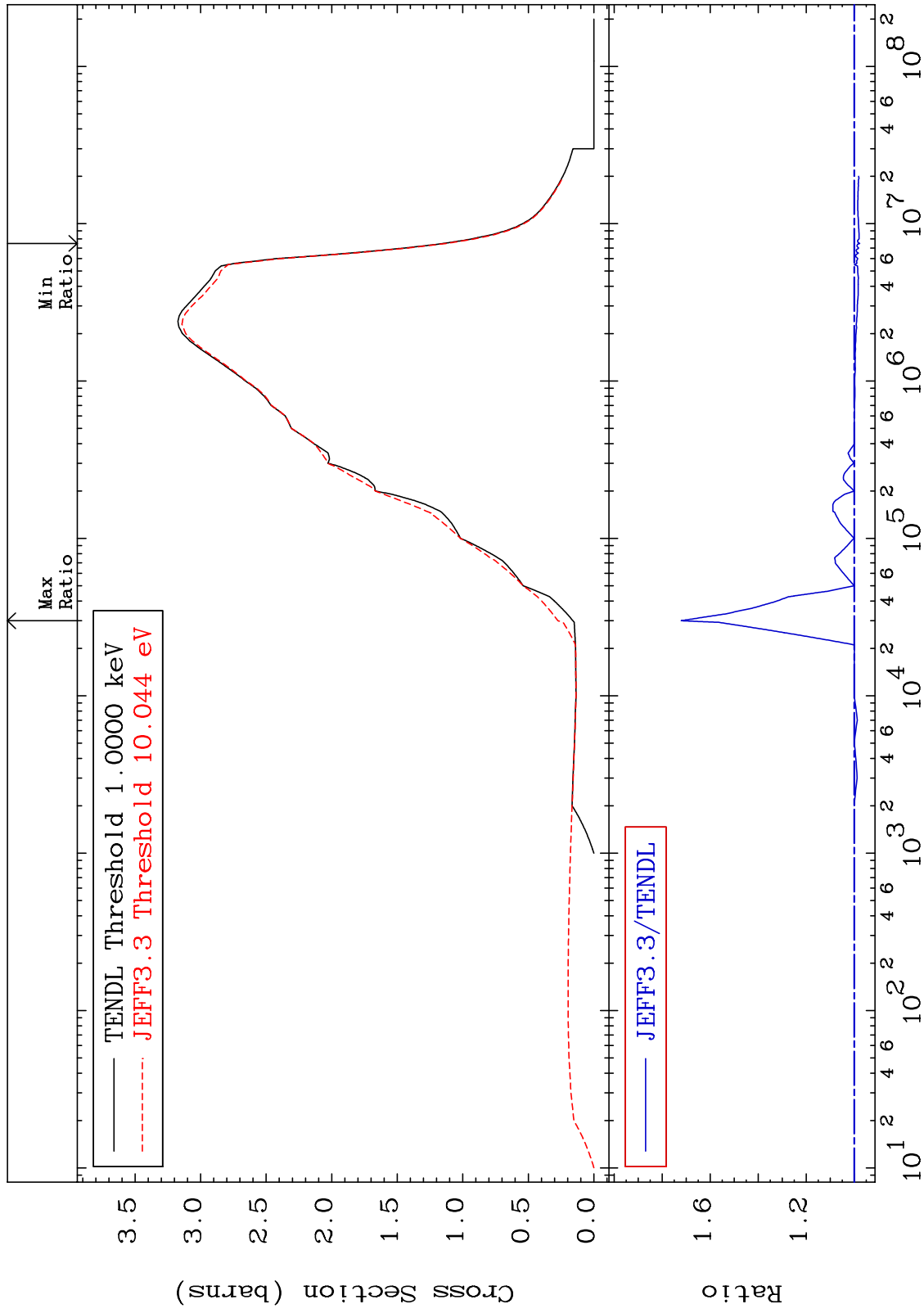
Incident Energy (eV)

90-Th-229

MAT 9031

Inelastic
Cross Section

90-Th-229
-2.335 To 72.02 %

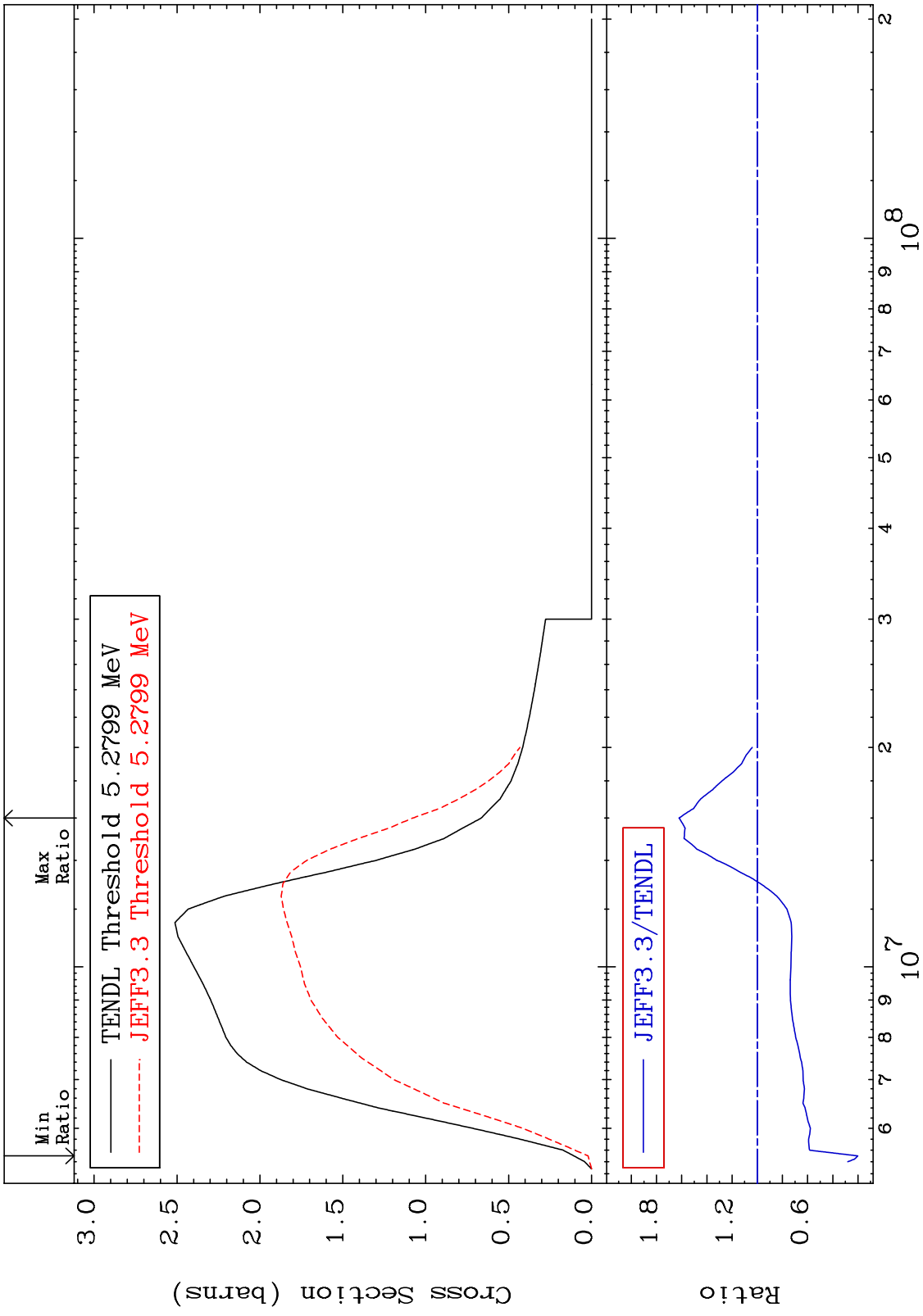


Incident Energy (eV)

90-Th-229

3

MAT 9031 (n,2n) 90-Th-229
Cross Section -79.90 To 62.11 %



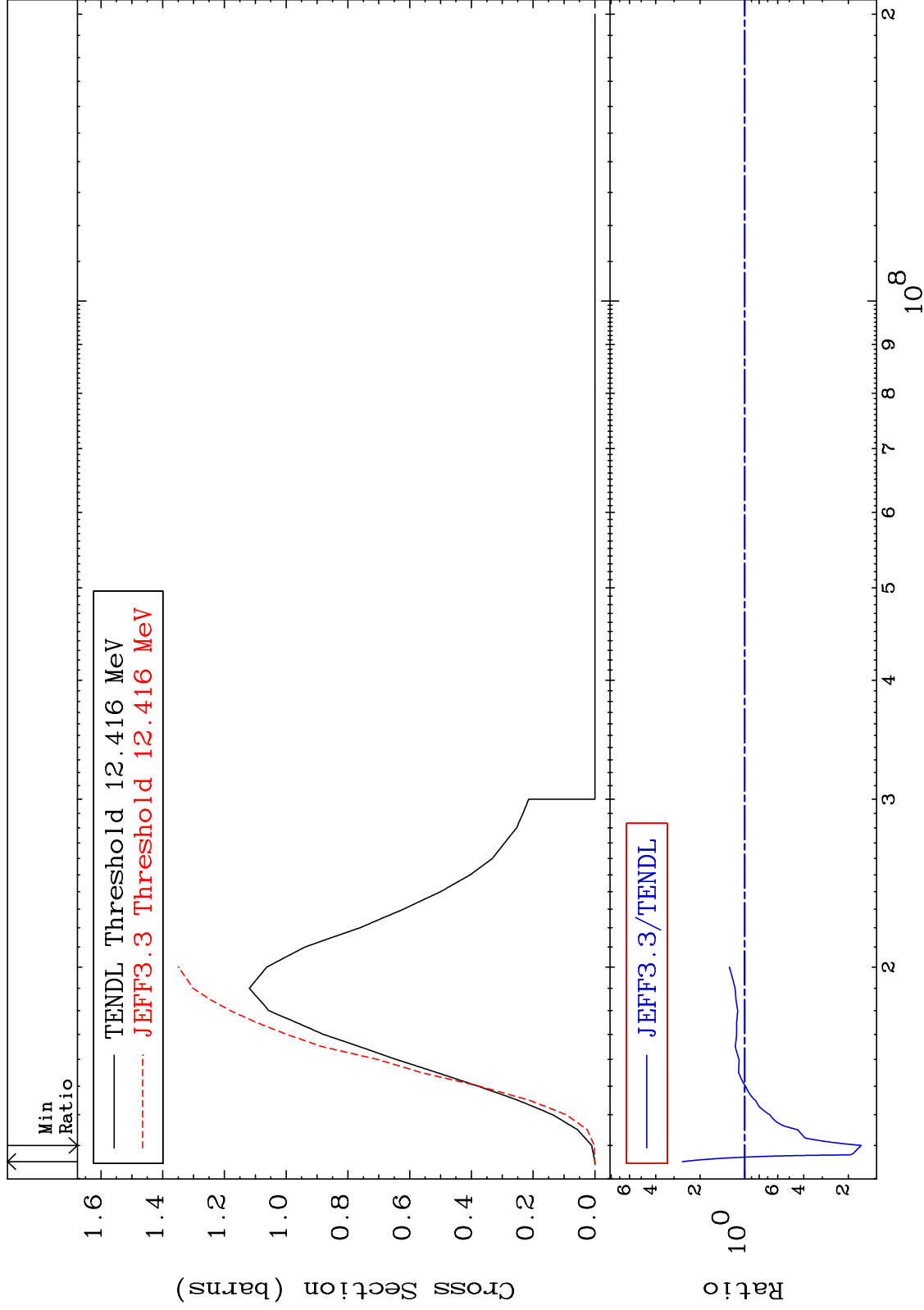
MAT 9031

(n,3n)

90-Th-229

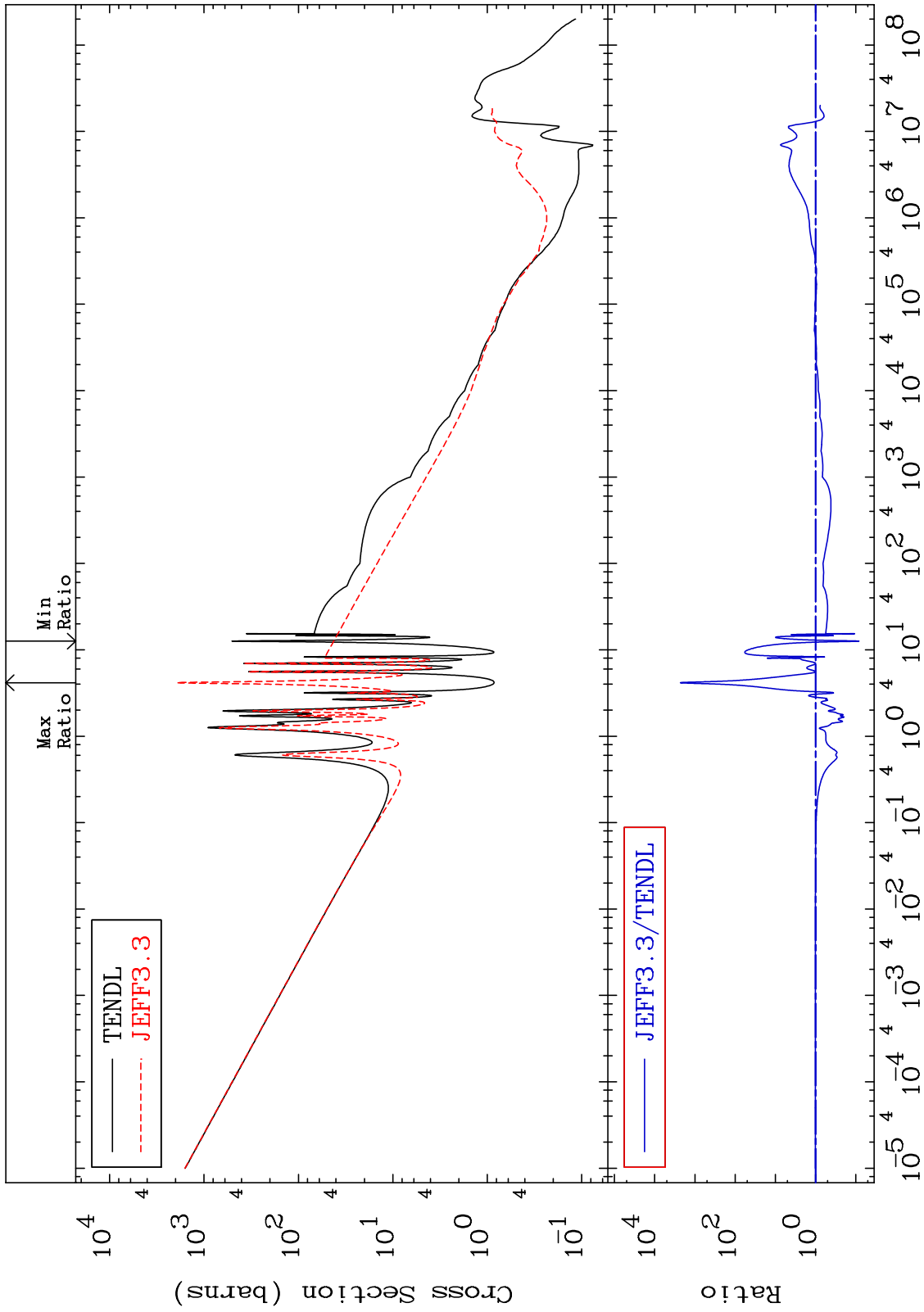
Cross Section

-83.65 To 163.5 %



MAT 9031

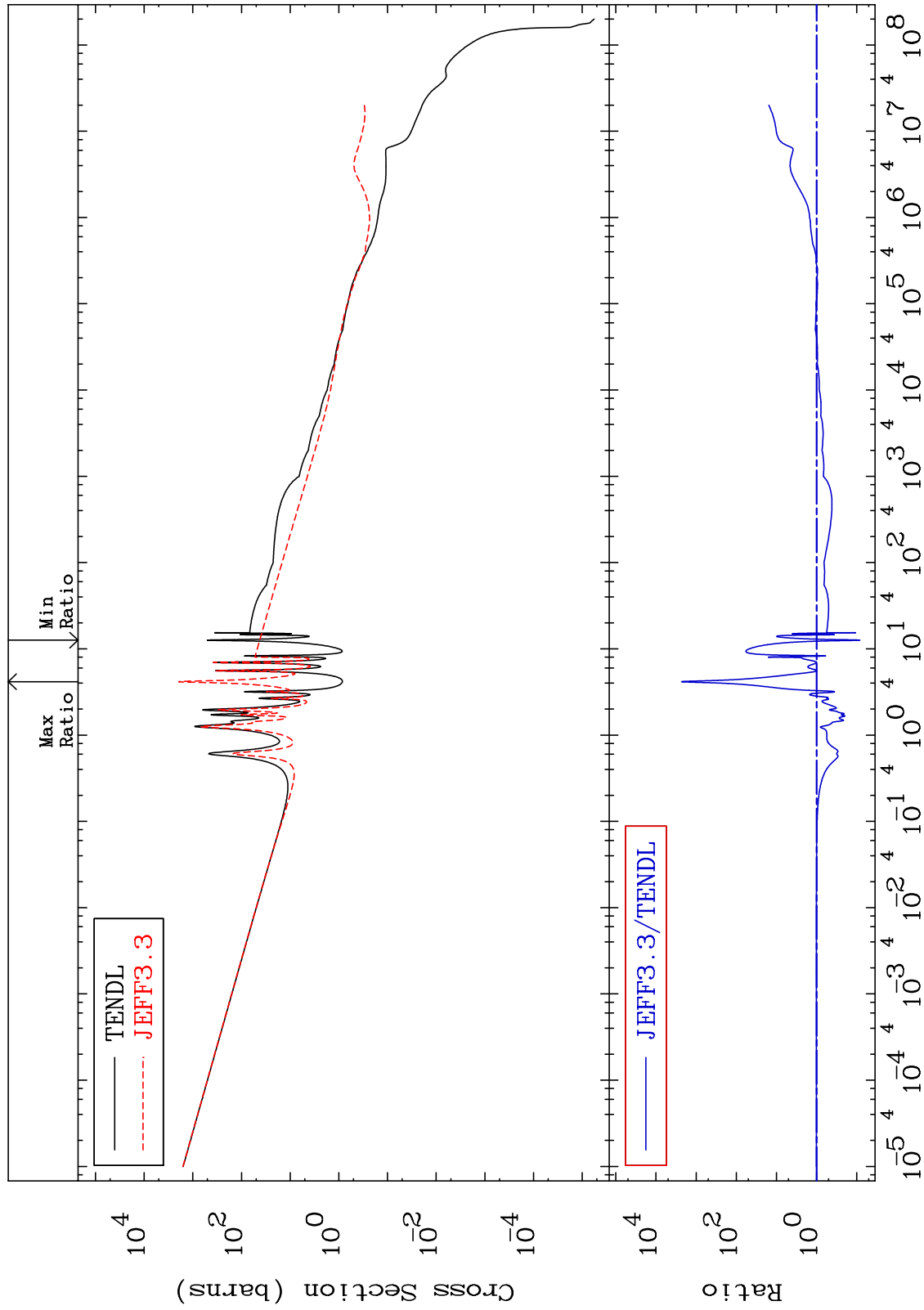
Fission Cross Section
90-Th-229
-91.62 To 9999. %



MAT 9031

(n,f) First Chance
Cross Section

90-Th-229
-91.62 To 9999. %

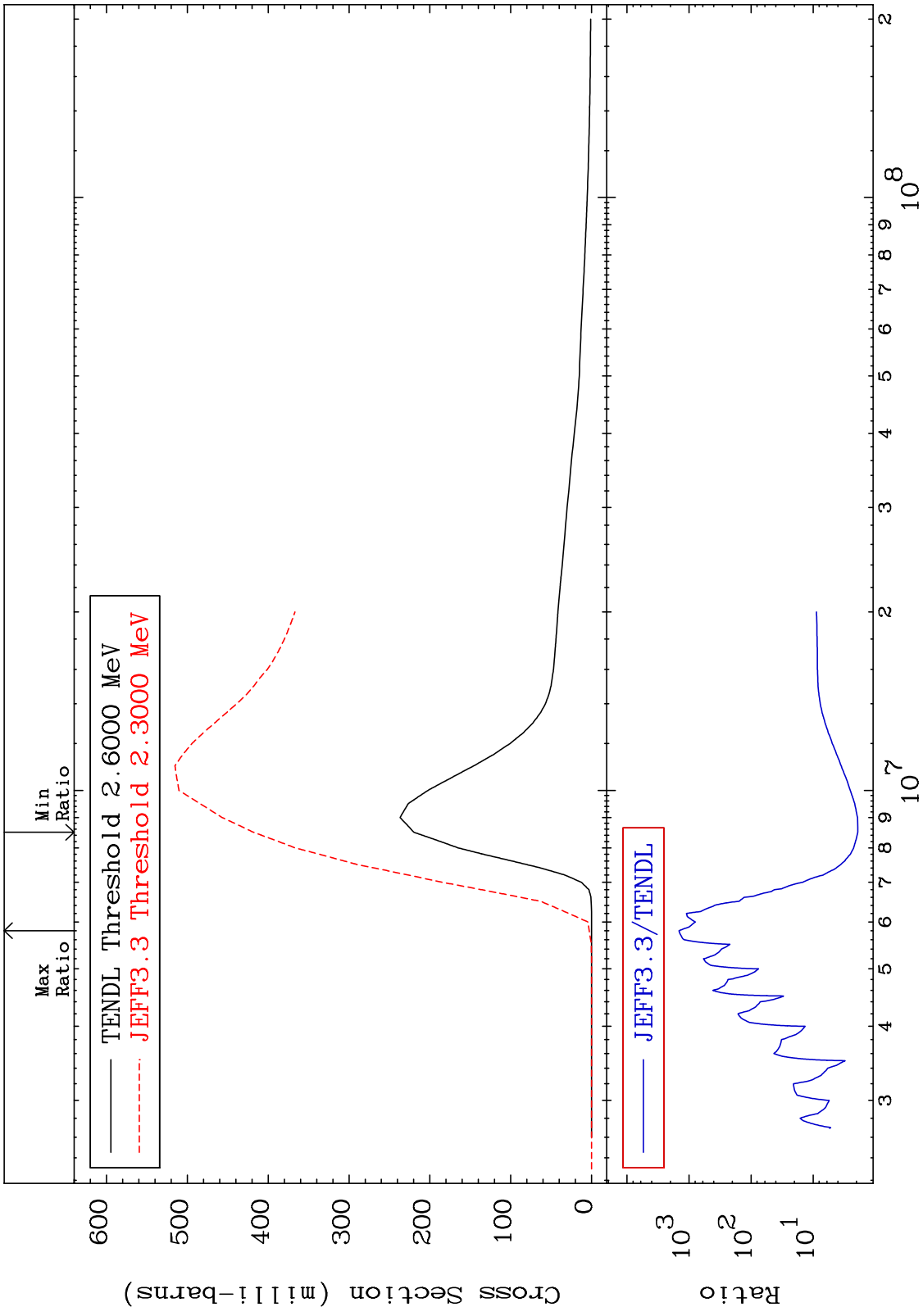


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Incident Energy (eV)

90-Th-229

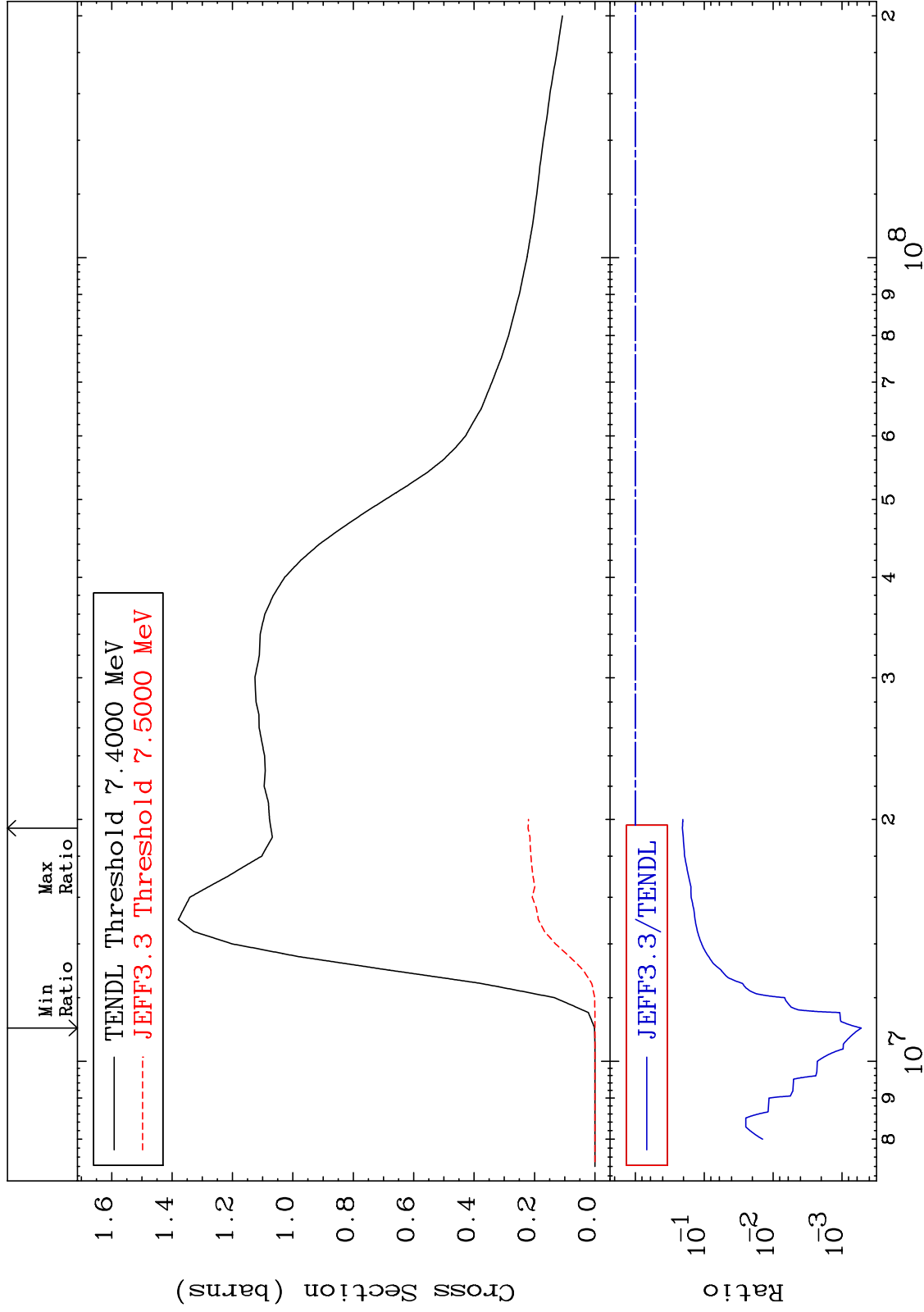
MAT 9031 (n,nf) Second Chance Cross Section 90-Th-229 To 9999. %



MAT 9031

(n,2nf) Third Chance
Cross Section

90-Th-229
-99.95 To -79.34%

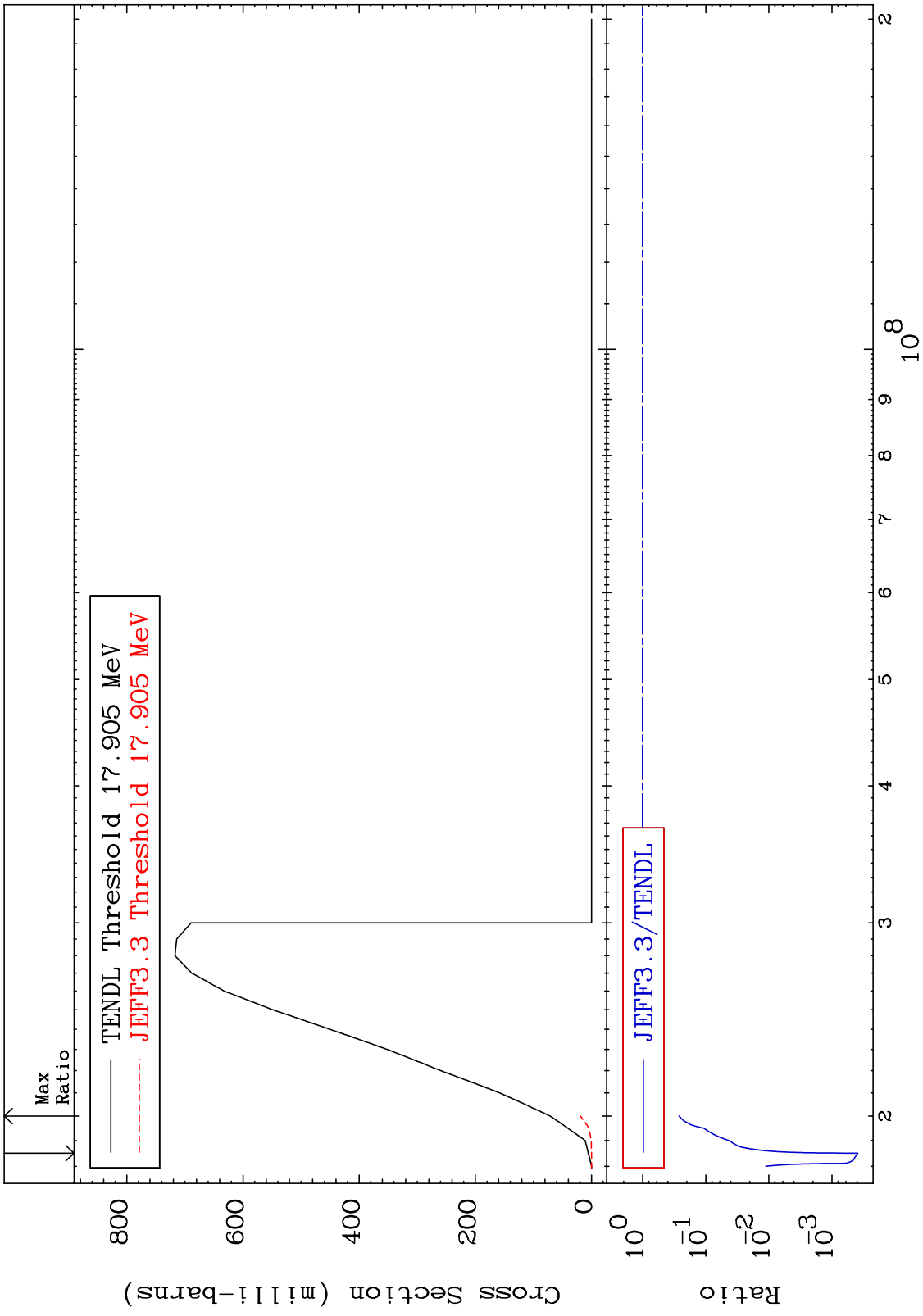


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Incident Energy (eV)

90-Th-229

MAT 9031 $(n,4n)$ Cross Section $^{90}\text{Th-229}$
 -99.96% $T_0 -73.50\%$

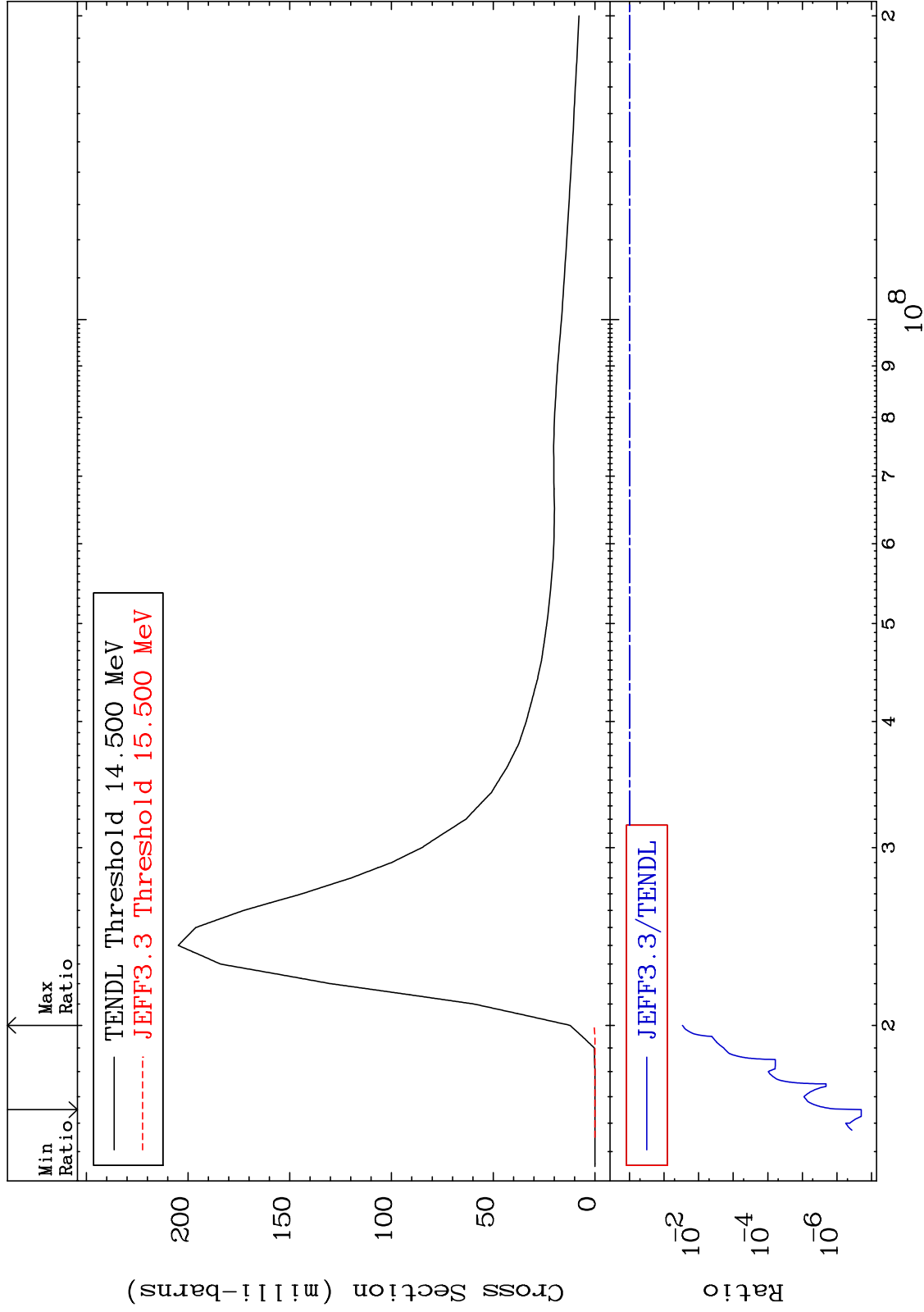


10 $^{90}\text{Th-229}$

MAT 9031

(n,3nf) Fourth Chance
Cross Section

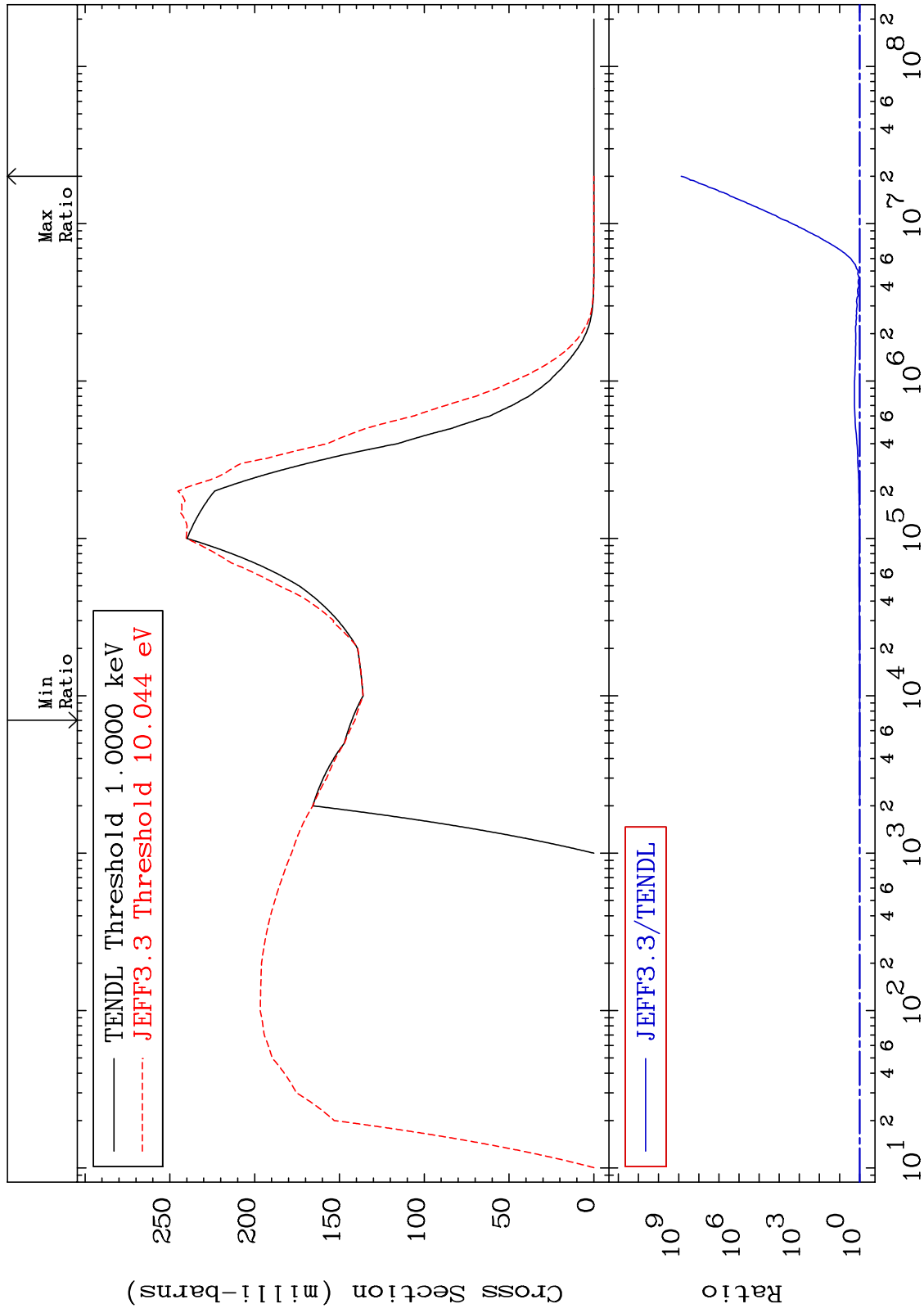
90-Th-229
-100.0 To -97.06%



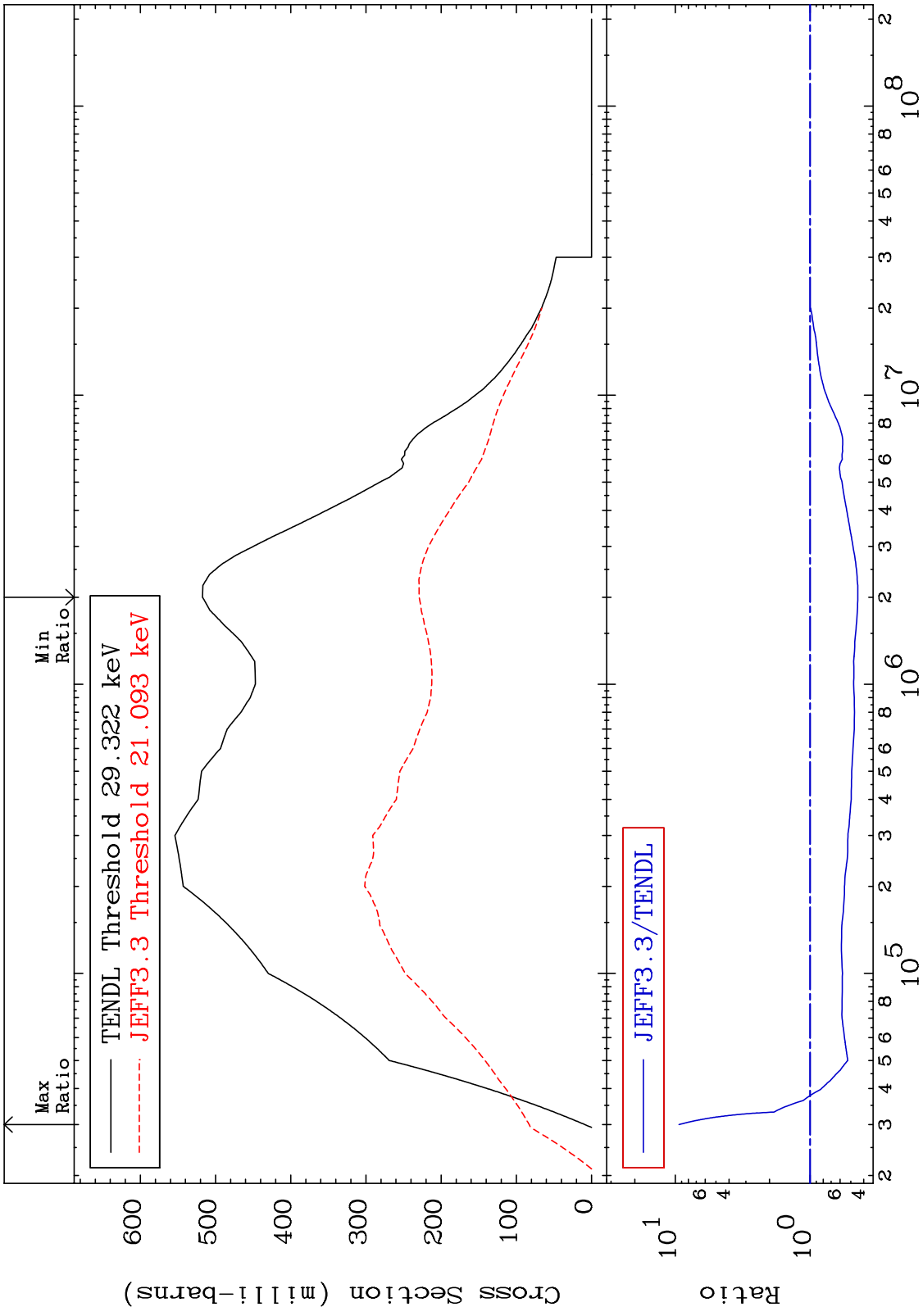
MAT 9031

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

90-Th-229
-1.281 To 9999. %



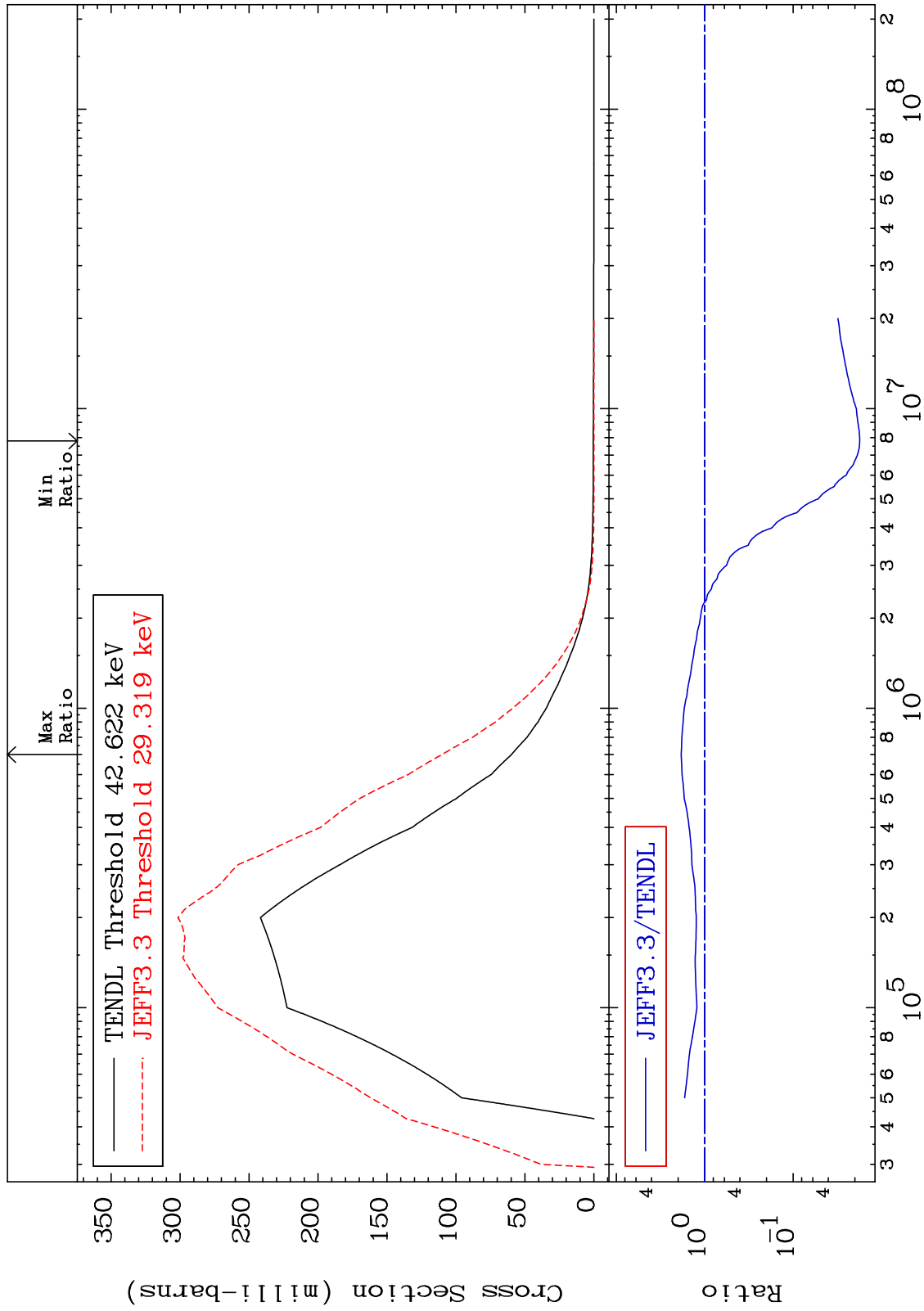
MAT 9031 MT= 52 (n,n') Level 90-Th-229
 Cross Section -55.71 To 839.0 %



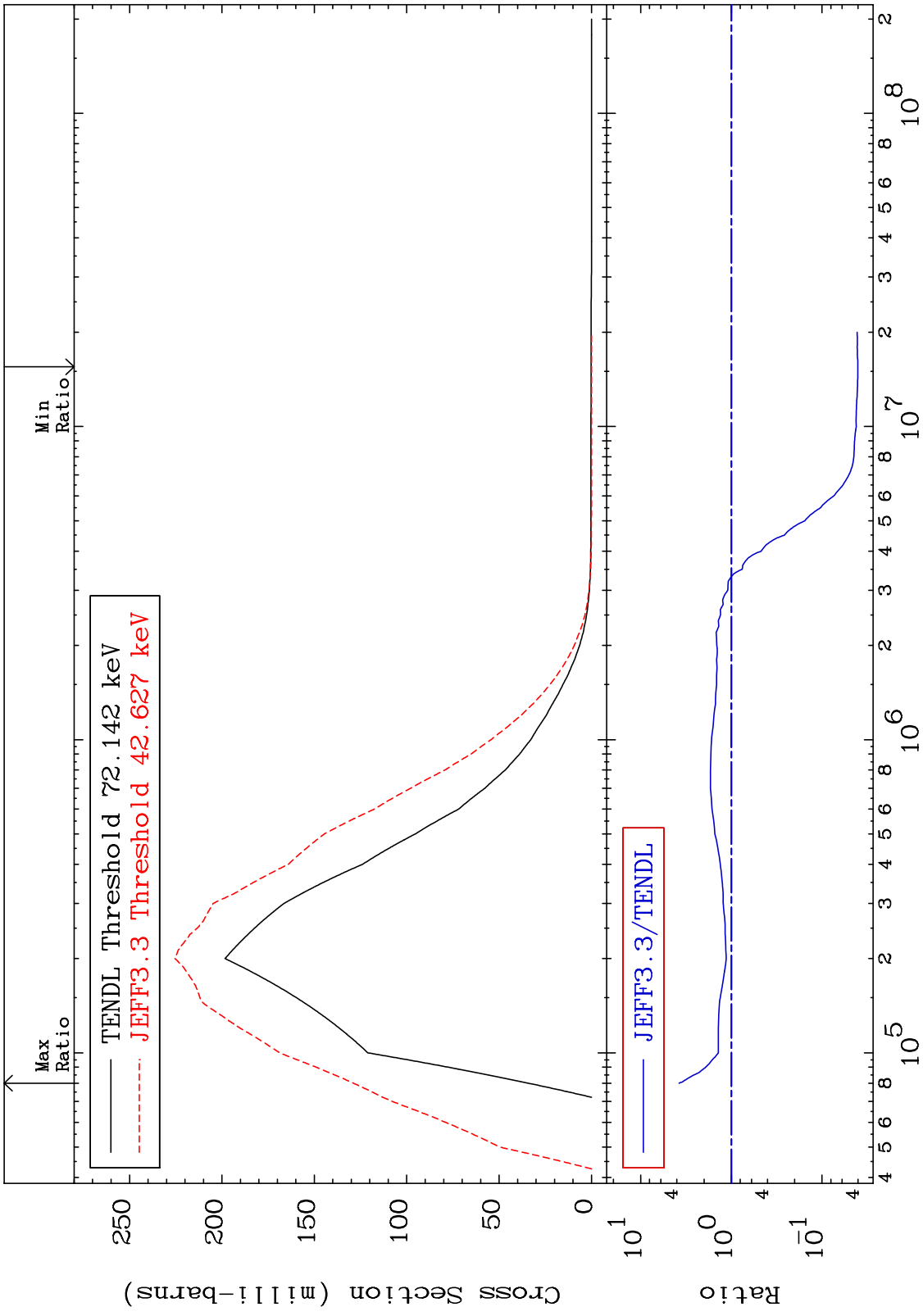
MAT 9031

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

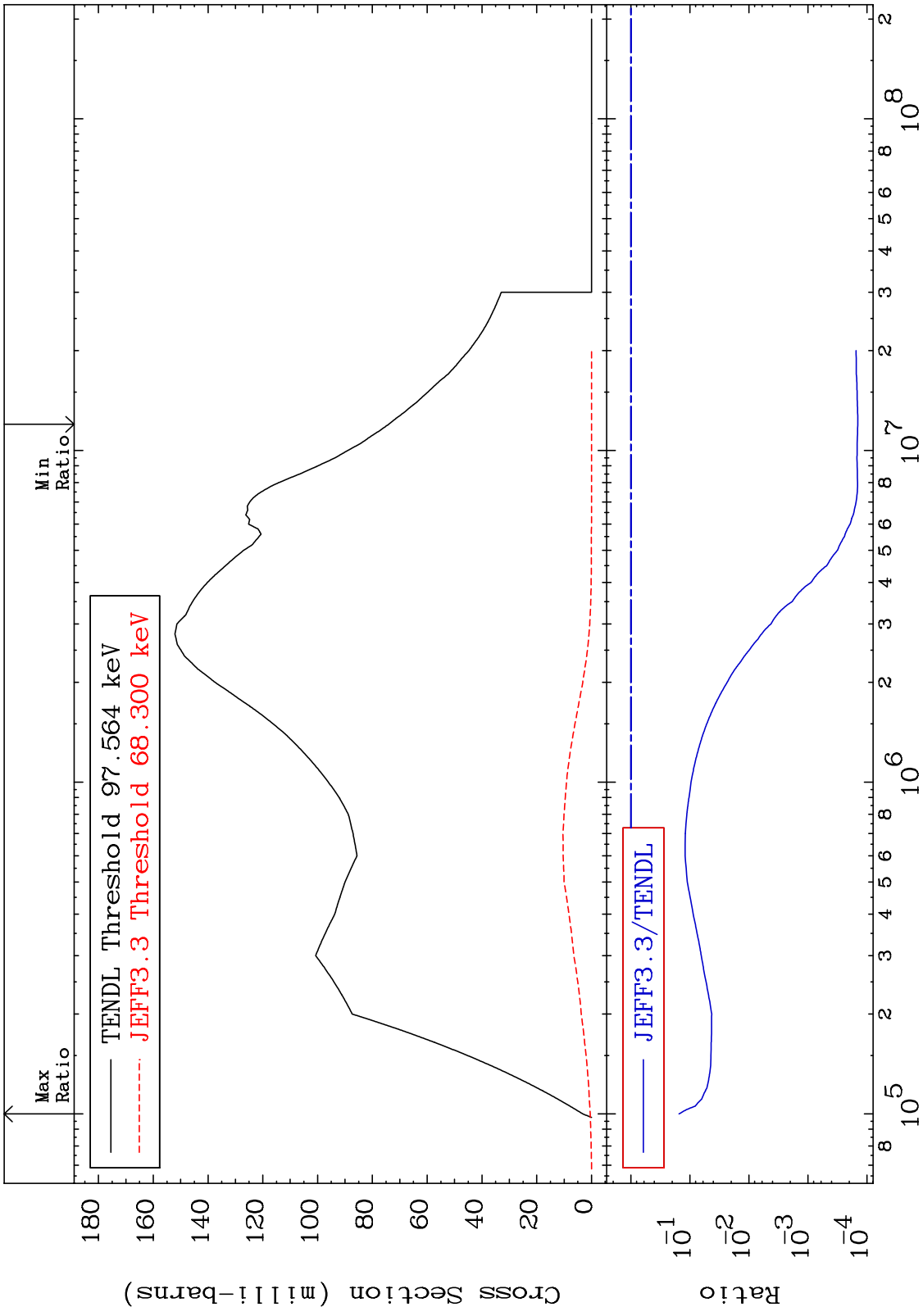
90-Th-229
-98.23 To 84.48 %



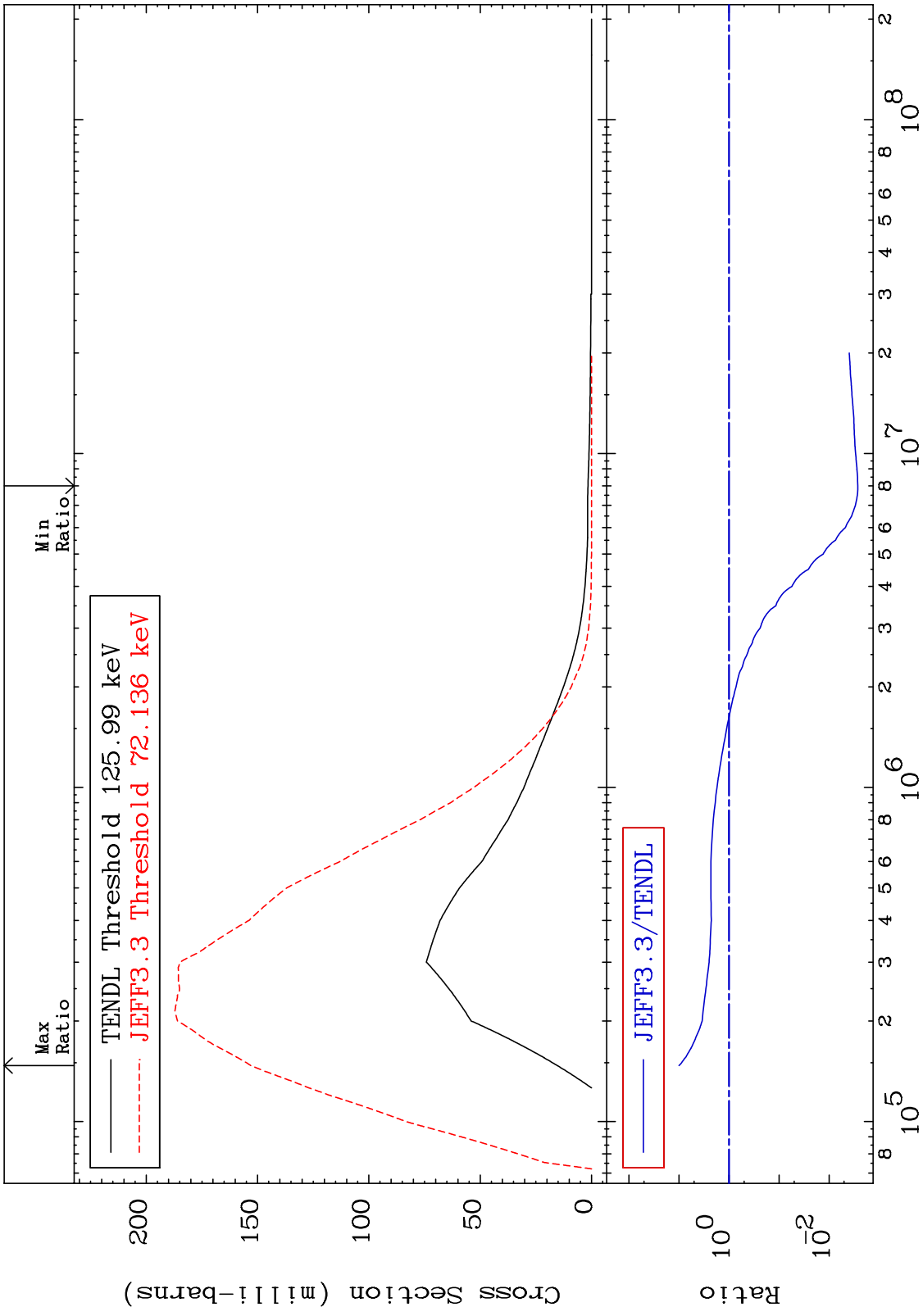
MAT 9031 MT= 54 (n,n') Level Cross Section 90-Th-229
 -95.97 To 277.2 %



MAT 9031 MT= 55 (n,n') Level Cross Section 90-Th-229
 -99.99 To -84.73%



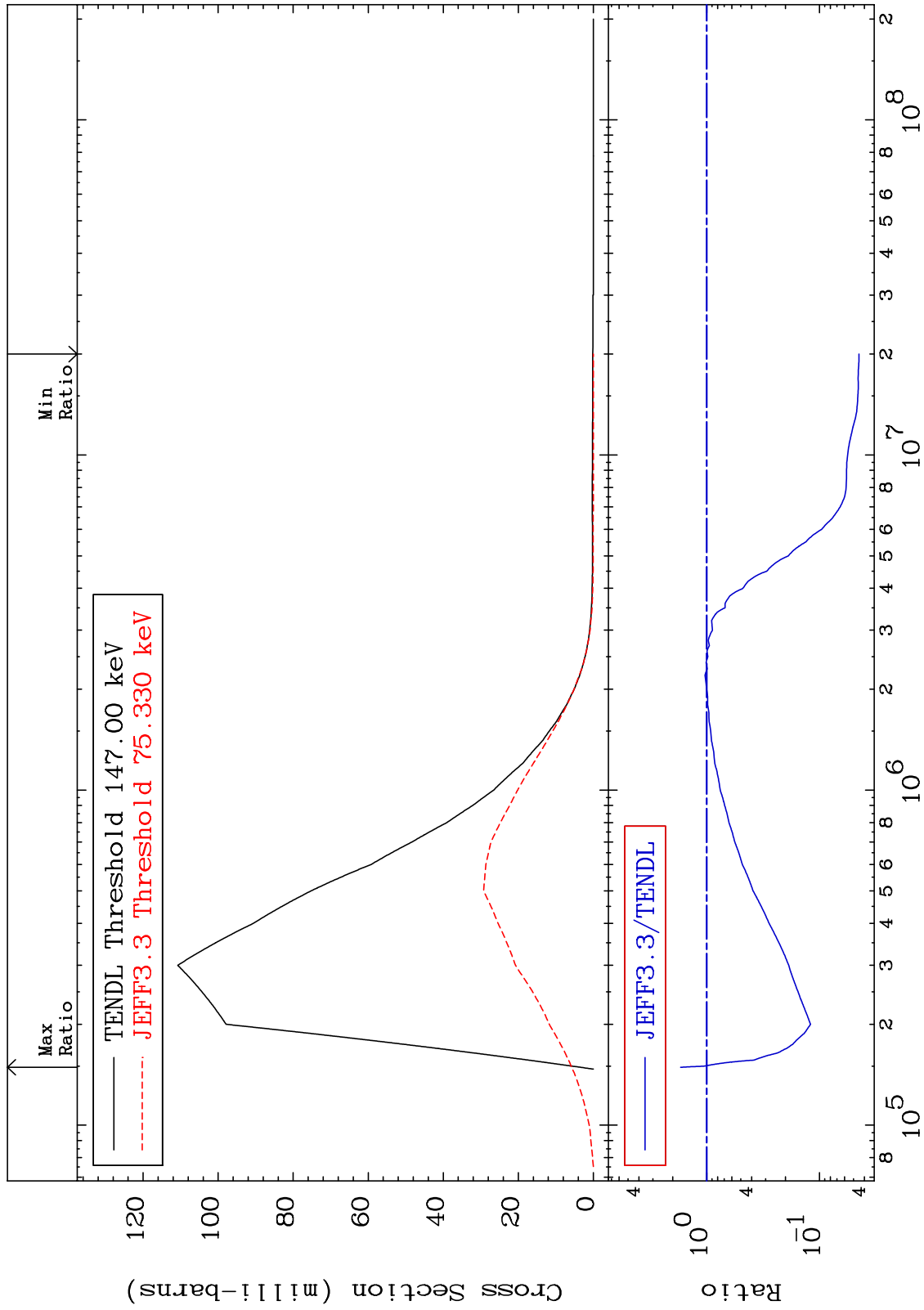
MAT 9031 MT= 56 (n,n') Level 90-Th-229
Cross Section -99.73 To 896.3 %



MAT 9031

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

90-Th-229
-95.53 To 70.38 %



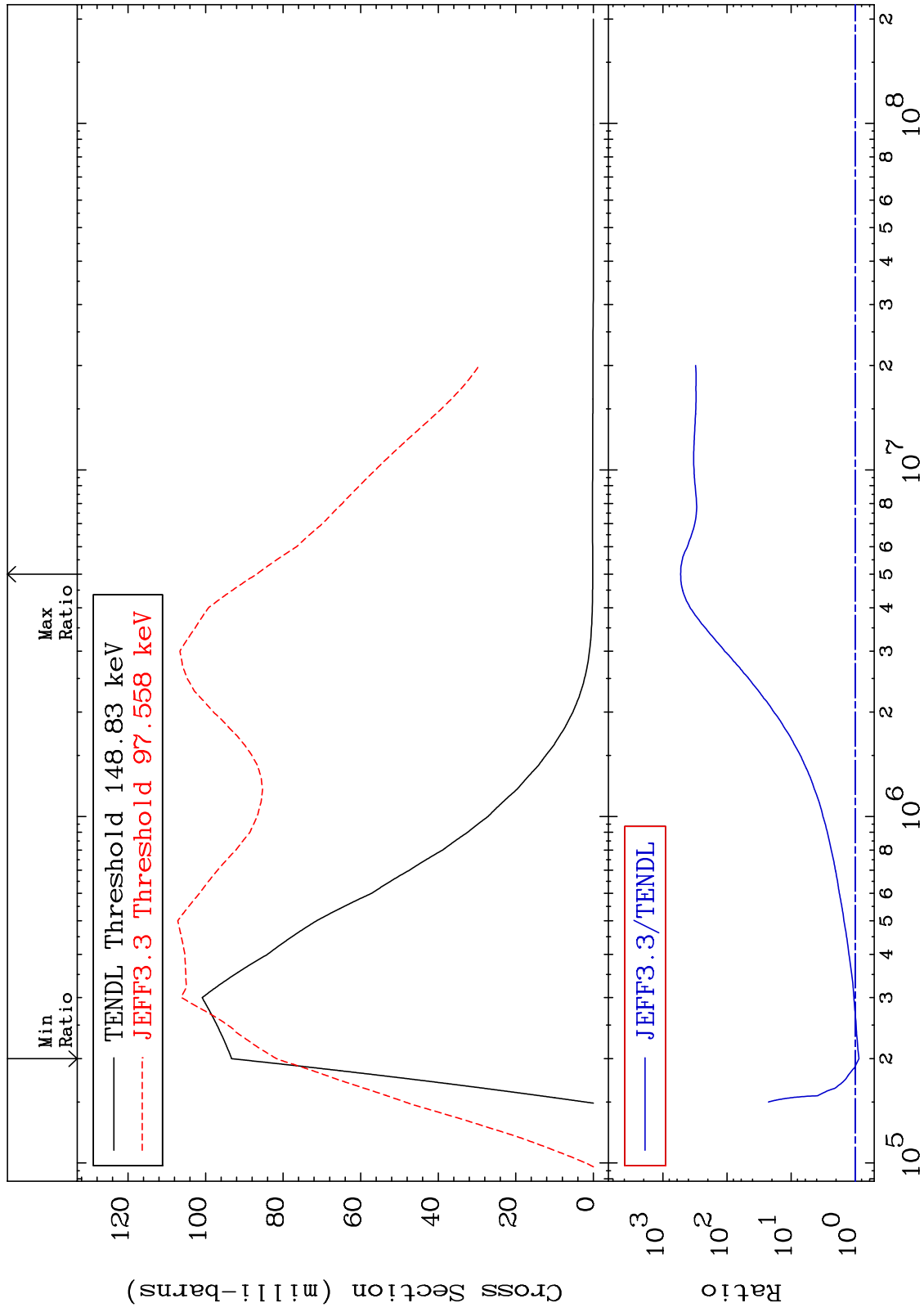
18

90-Th-229

MAT 9031

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

90-Th-229
-12.40 To 9999. %



19

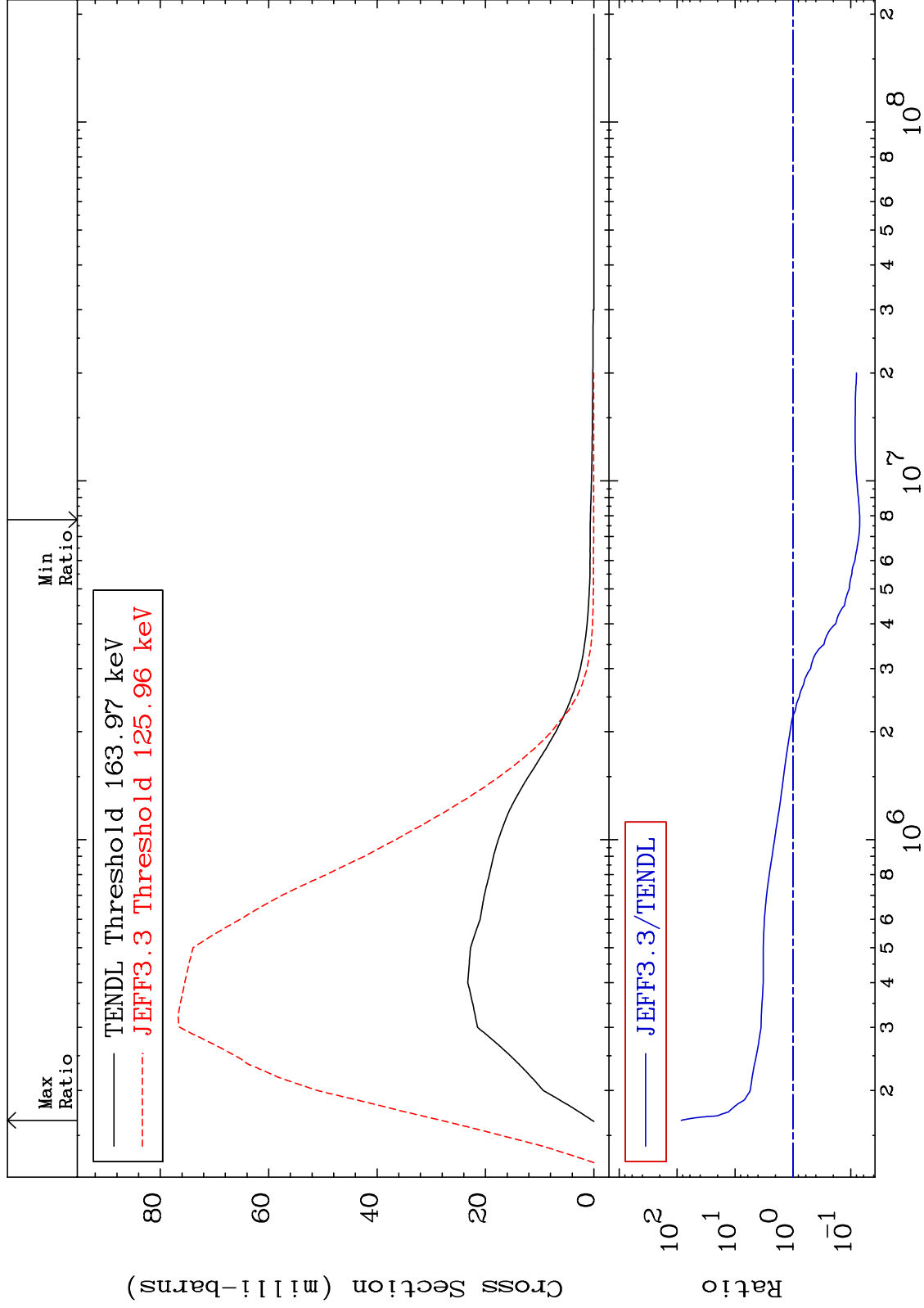
Incident Energy (eV)

90-Th-229

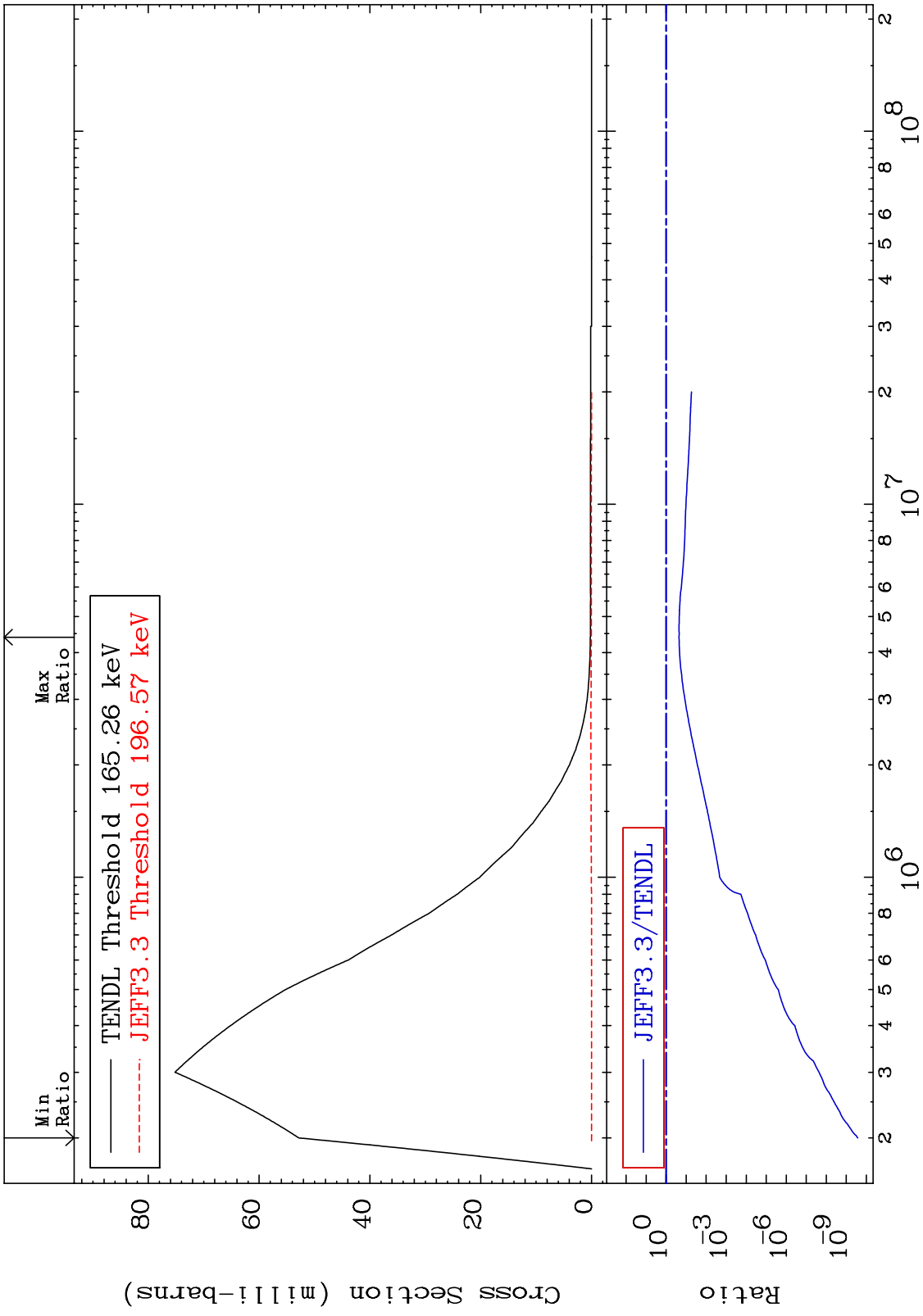
MAT 9031

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

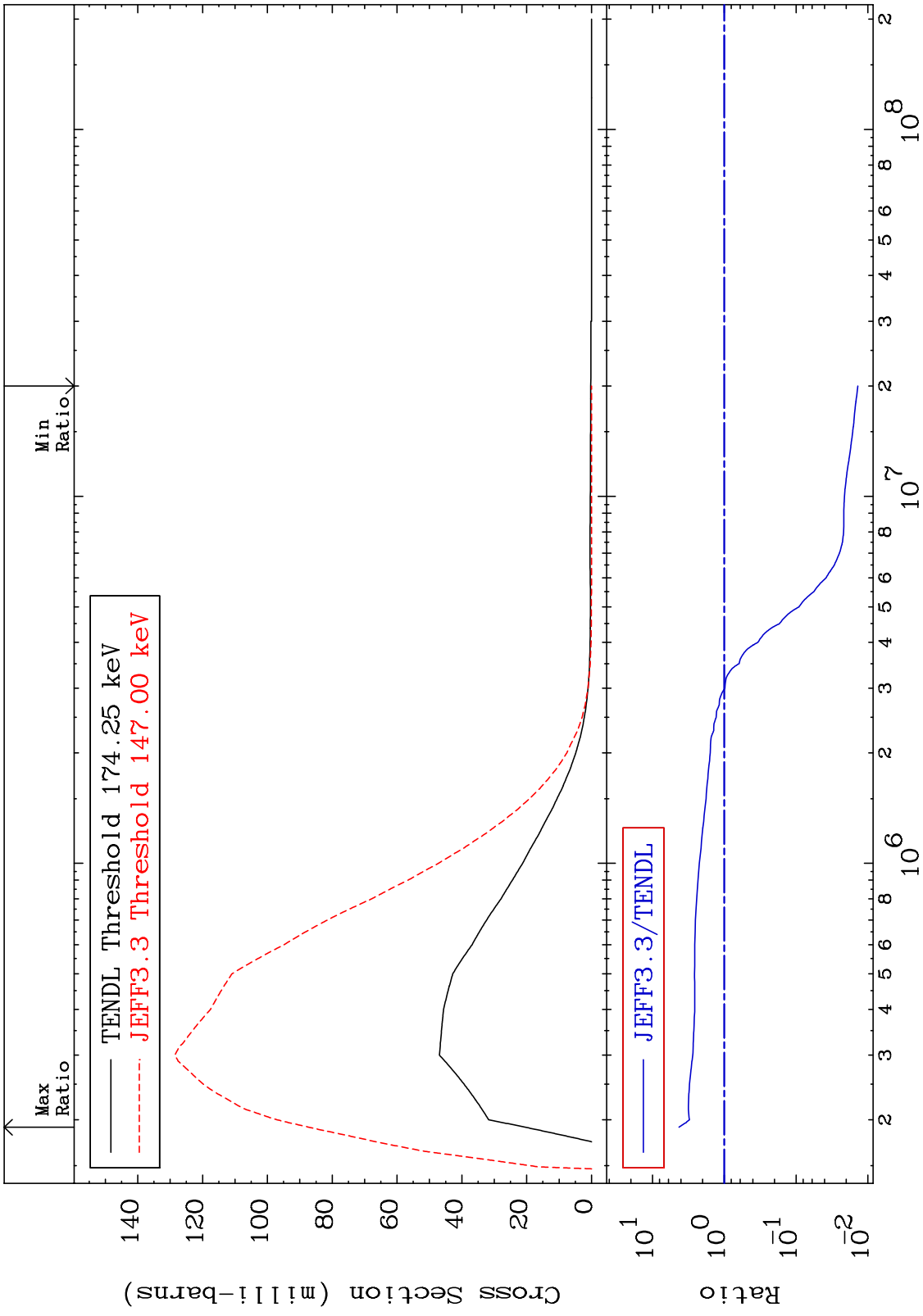
90-Th-229
-93.01 To 8386. %



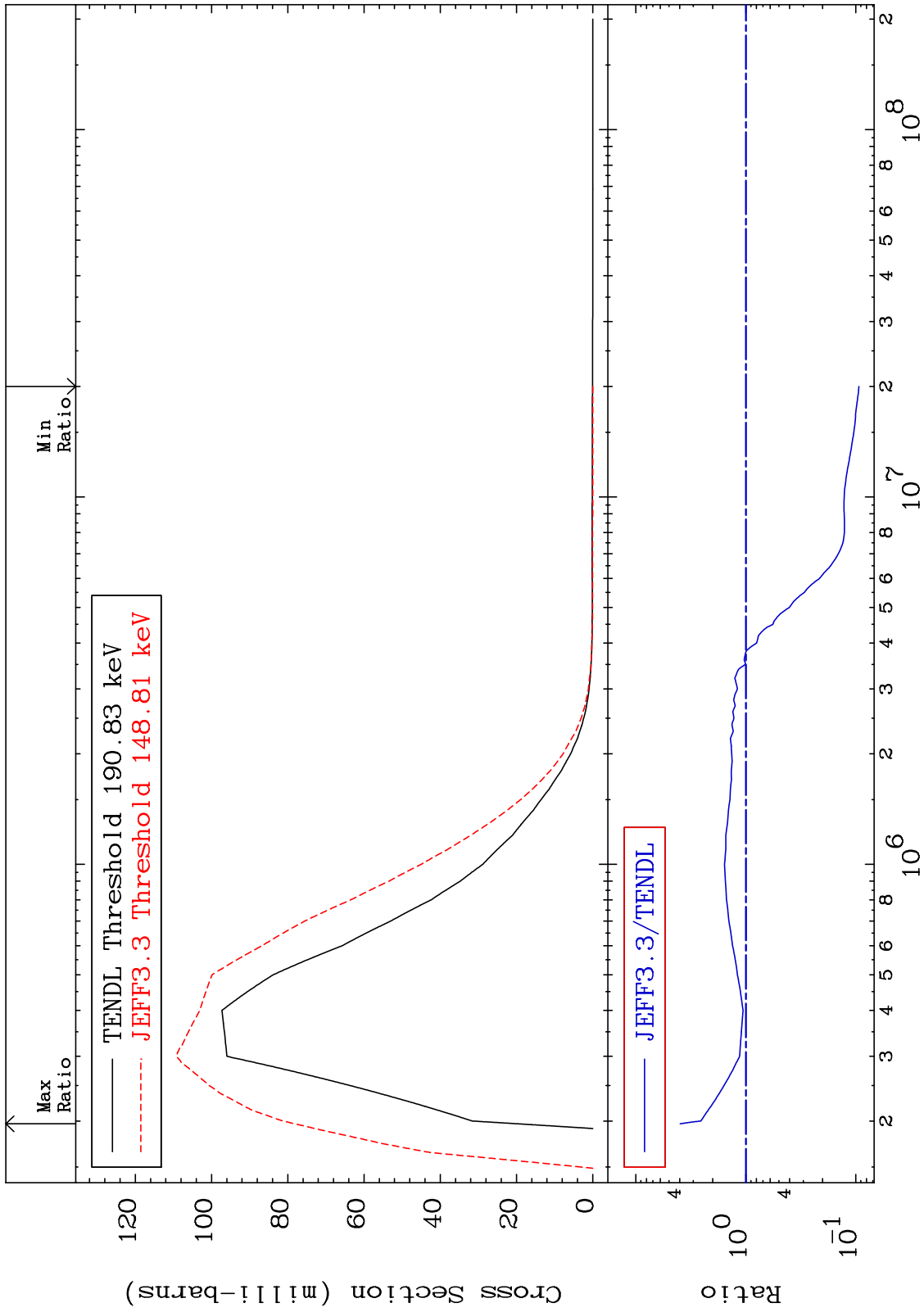
MAT 9031 MT= 60 (n,n') Level Cross Section 90-Th-229
 -100.0 To -77.35%



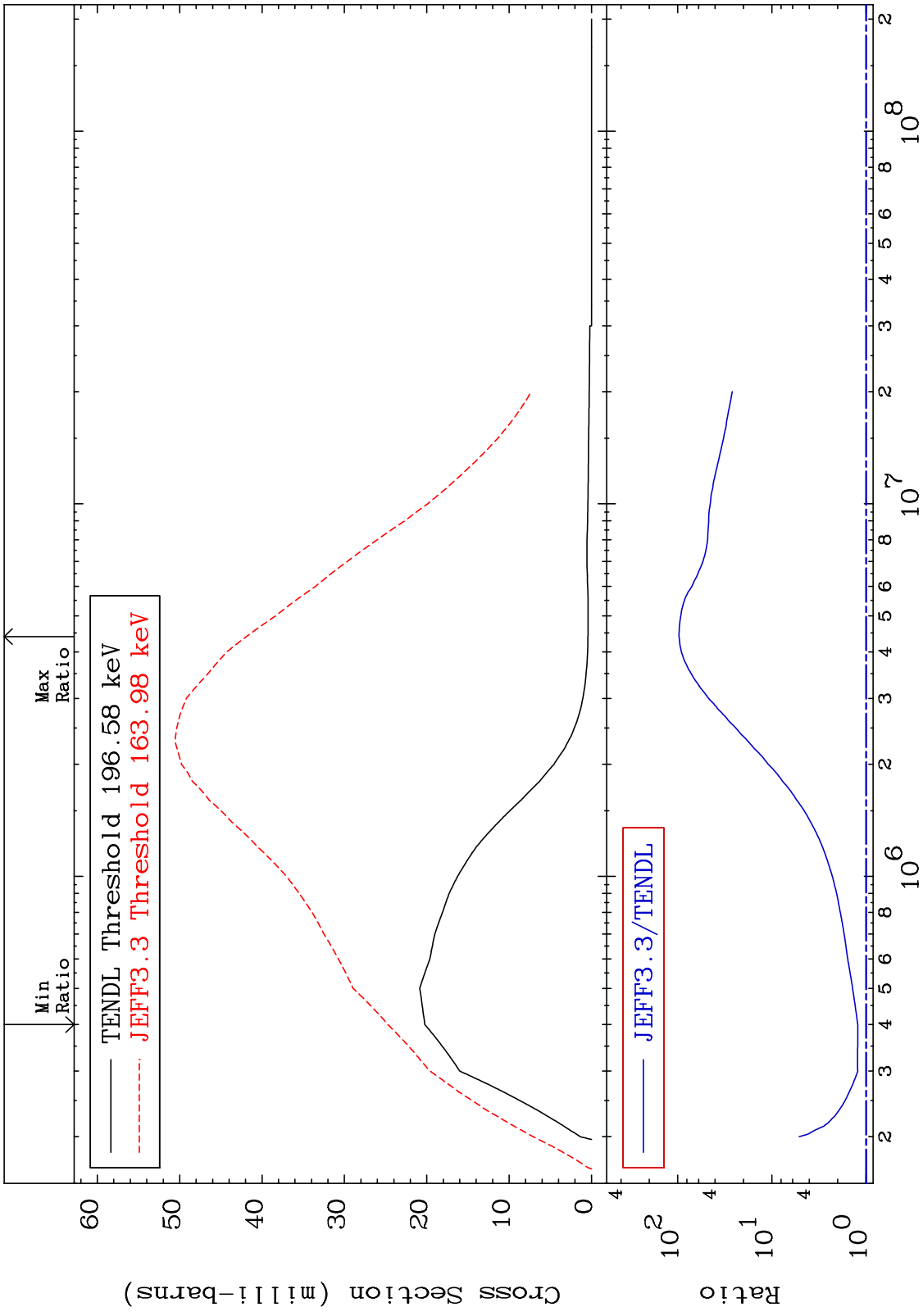
MAT 9031 MT= 61 (n,n') Level 90-Th-229
 Cross Section -98.62 To 326.4 %



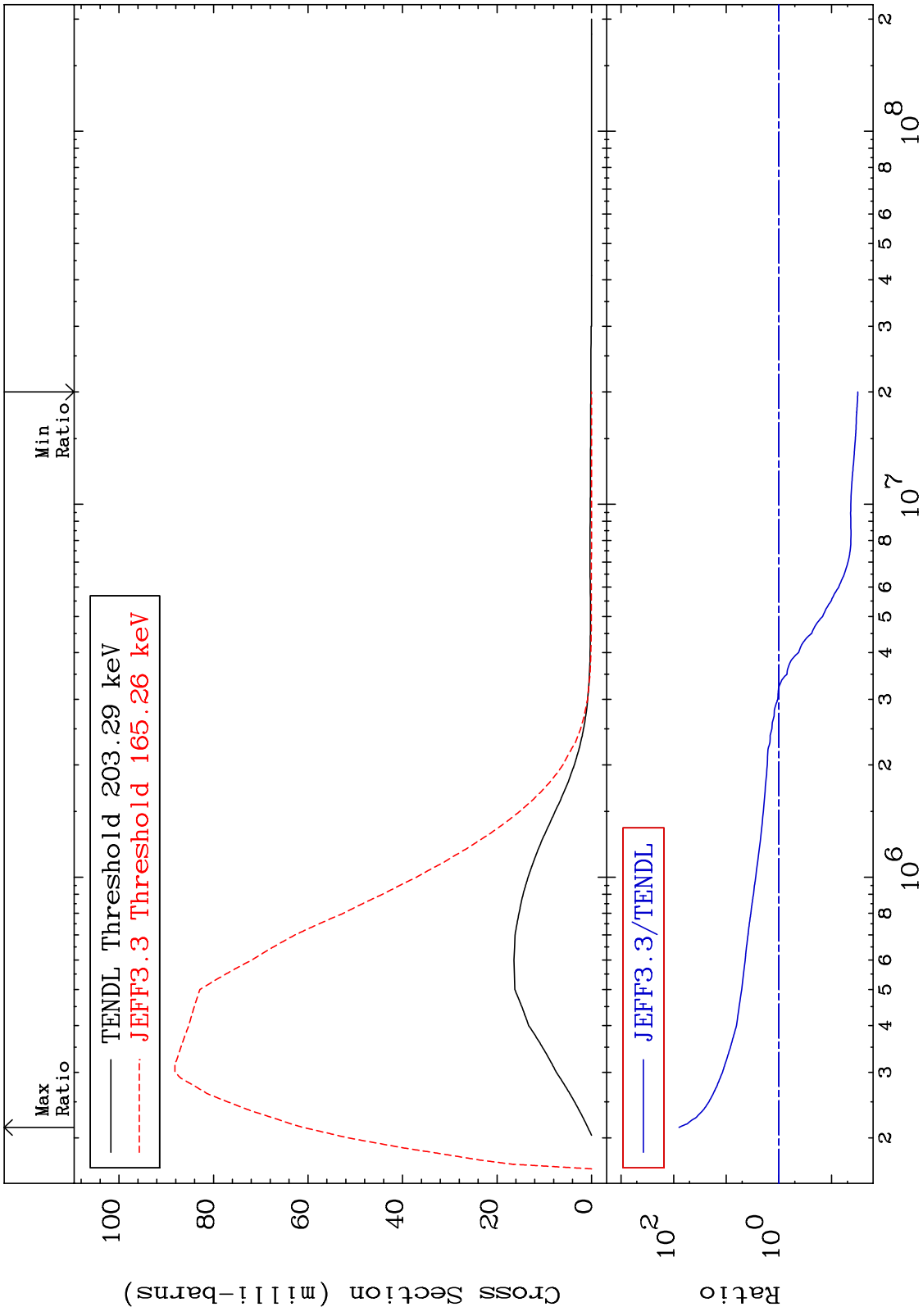
MAT 9031 MT= 62 (n,n') Level Cross Section 90-Th-229
 -90.63 To 295.0 %



MAT 9031 MT= 63 (n,n') Level Cross Section 90-Th-229
 22.14 To 9566. %



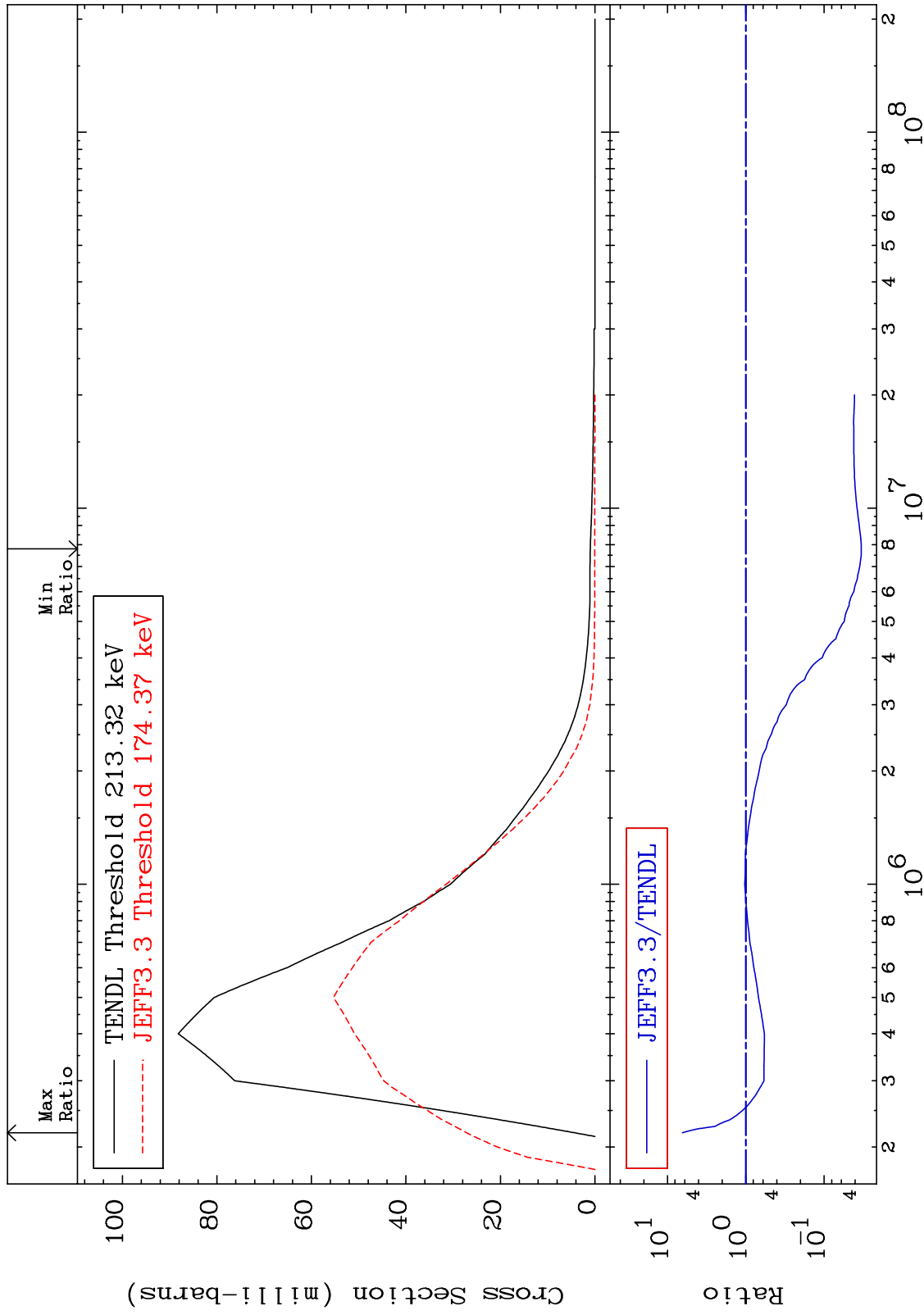
MAT 9031 MT= 64 (n,n') Level Cross Section -96.82 To 7794. % 90-Th-229



MAT 9031

MT= 65 (n,n') Level
Cross Section

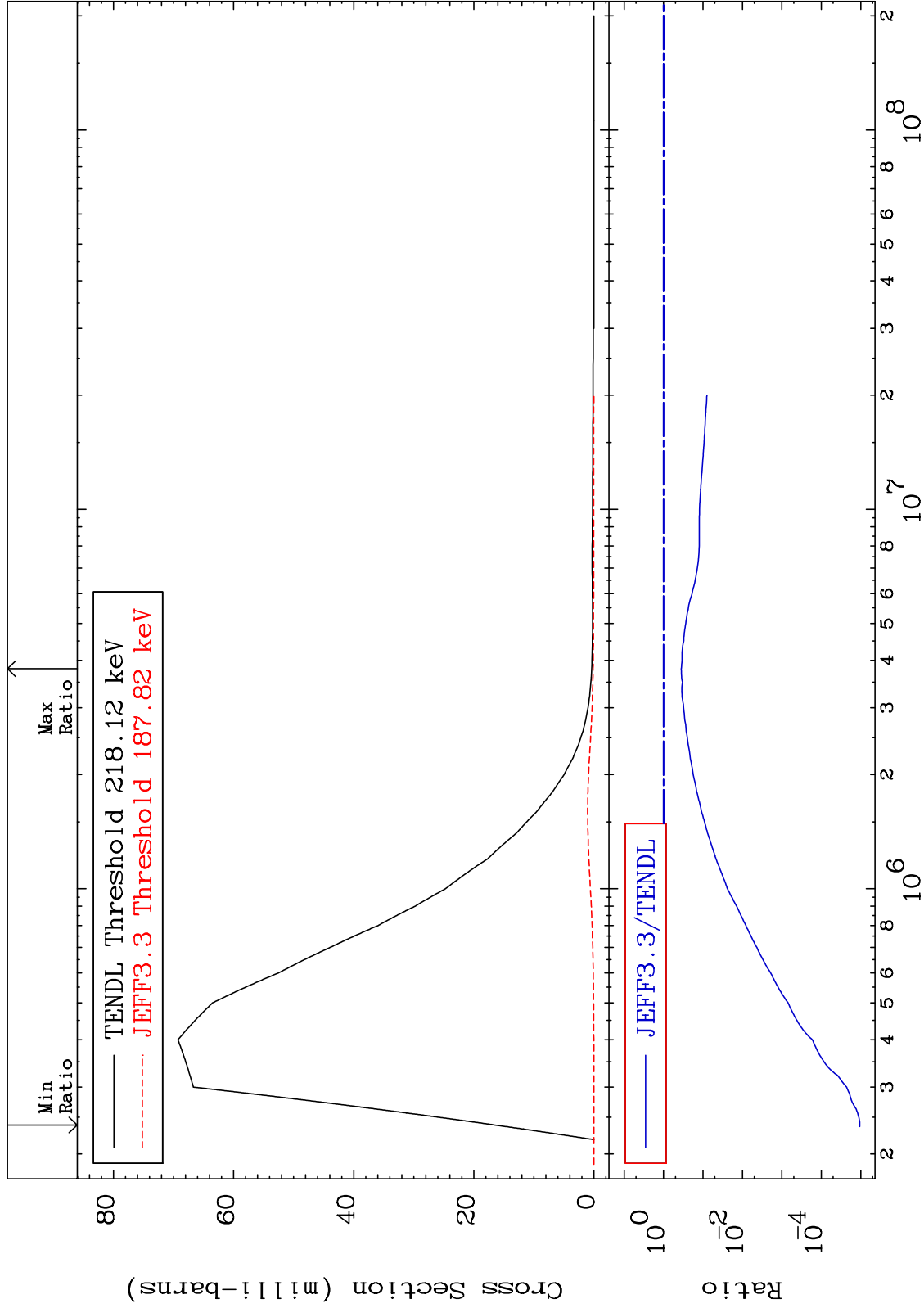
90-Th-229
-96.66 To 542.7 %



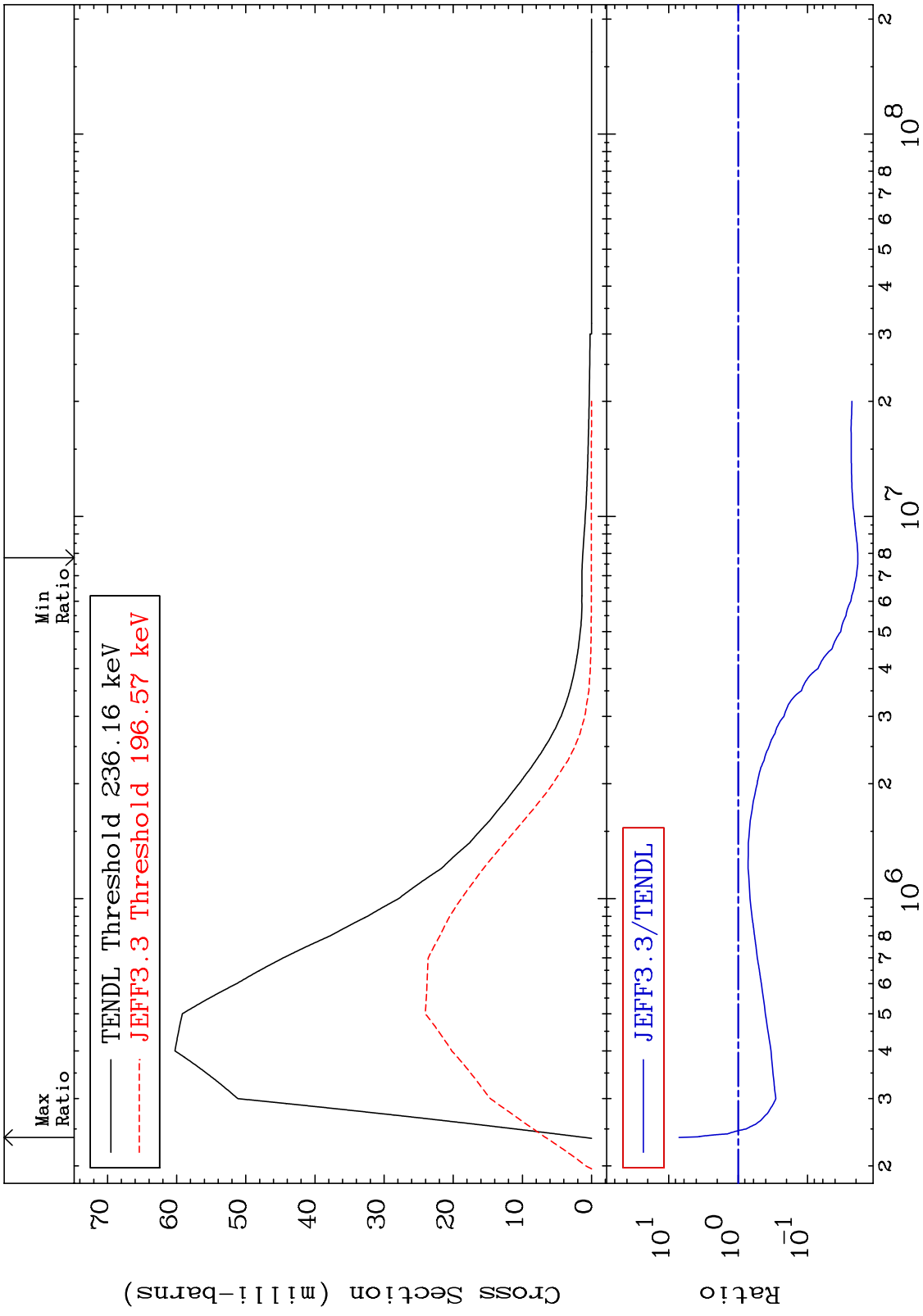
MAT 9031

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

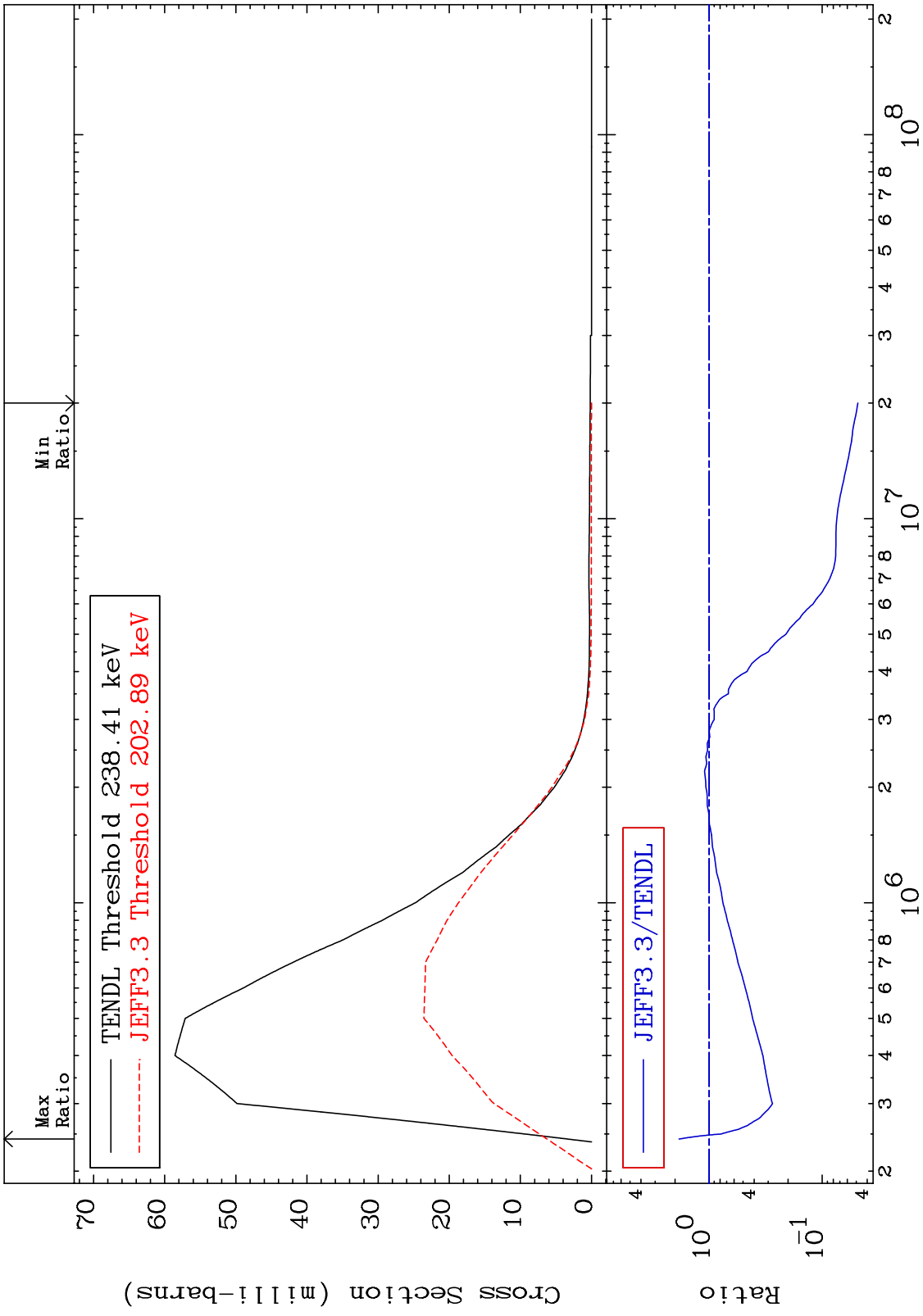
90-Th-229
-100.0 To -64.41%



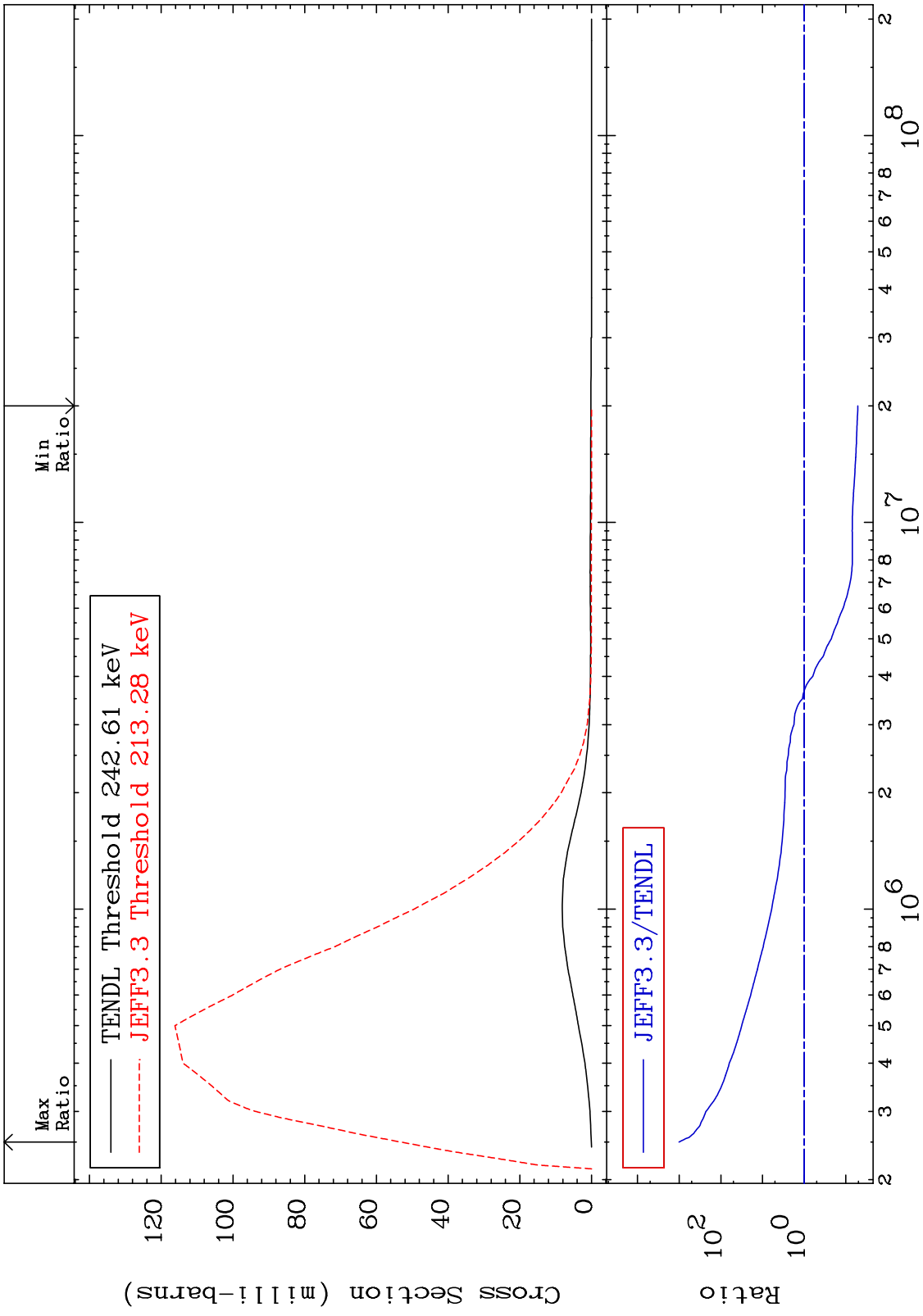
MAT 9031 MT= 67 (n,n') Level Cross Section 90-Th-229
 -98.12 To 609.7 %



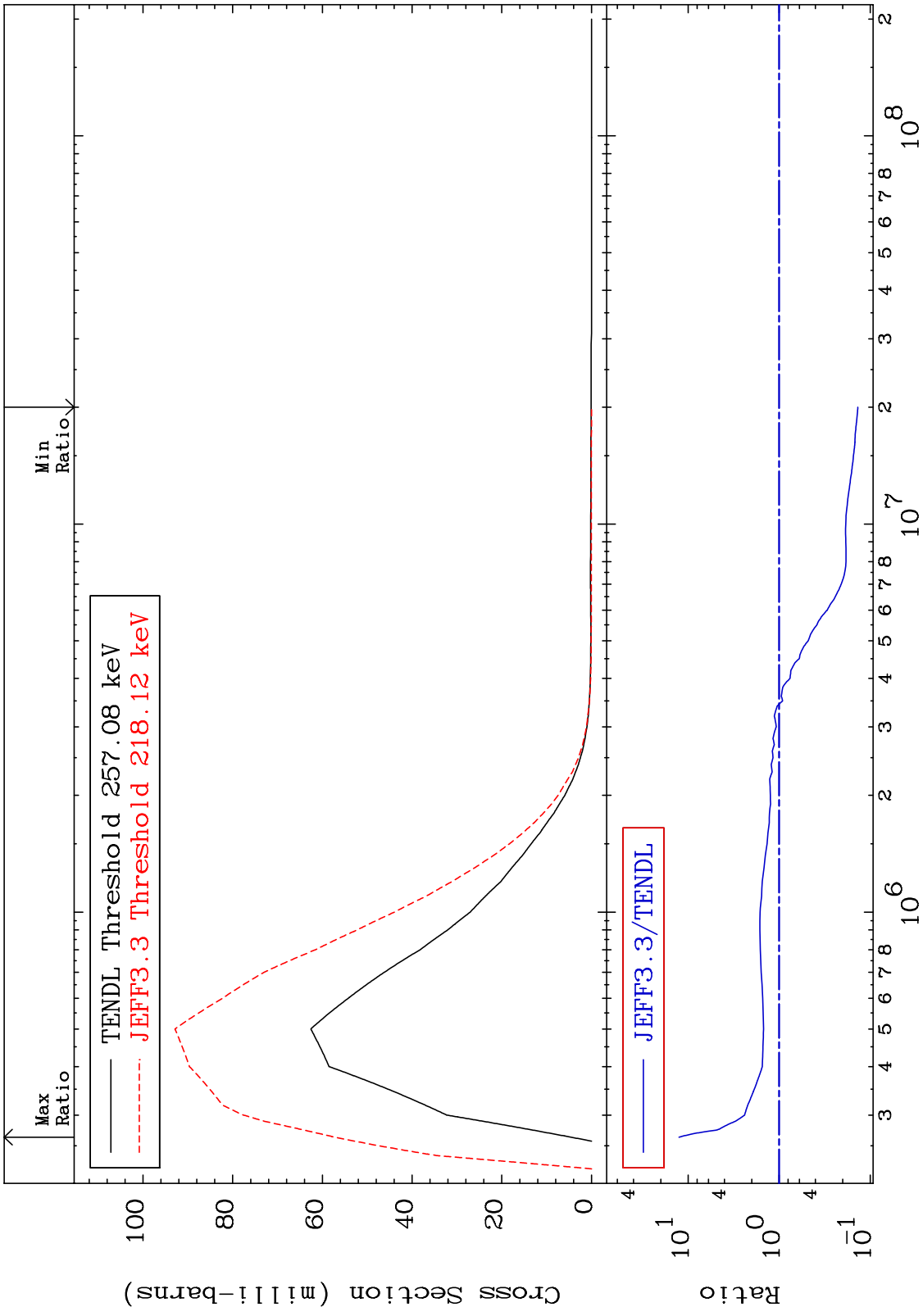
MAT 9031 MT= 68 (n,n') Level Cross Section 90-Th-229
 -95.15 To 84.12 %



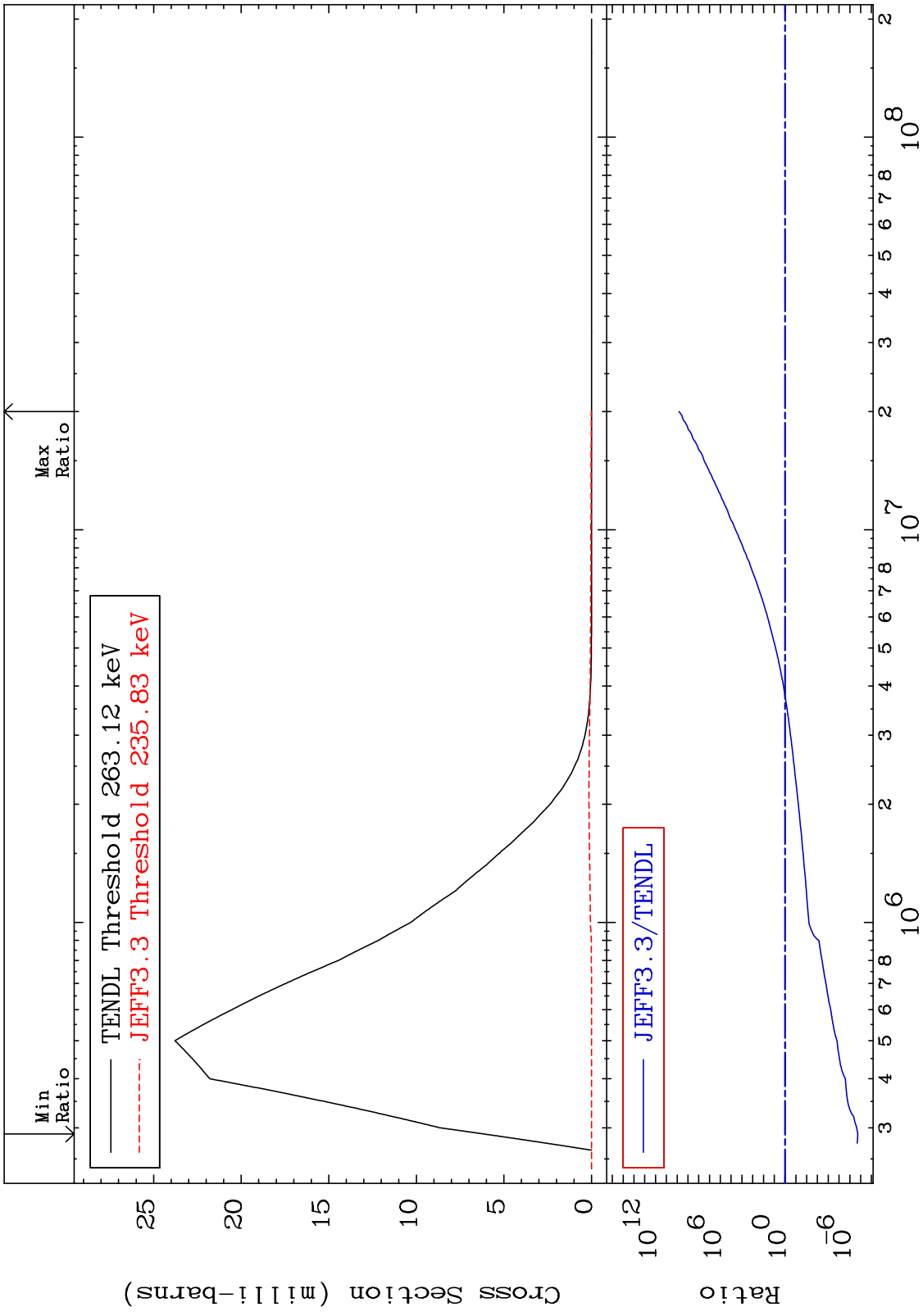
MAT 9031 MT= 69 (n,n') Level Cross Section 90-Th-229
 -94.85 To 9999. %



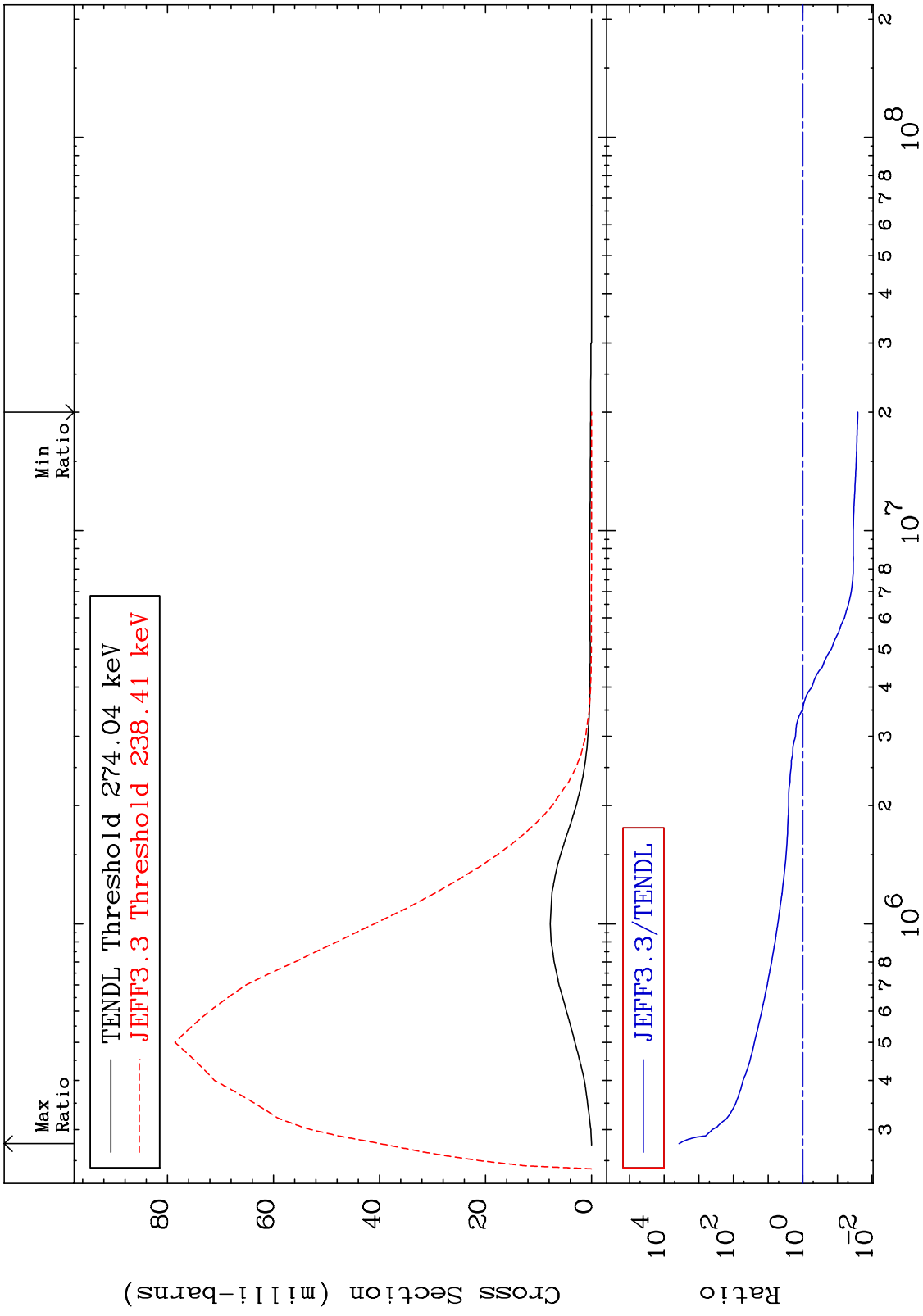
MAT 9031 MT= 70 (n,n') Level Cross Section 90-Th-229
 -86.34 To 1161. %



MAT 9031 MT= 71 (n,n') Level Cross Section -100.0 To 9999. % 90-Th-229



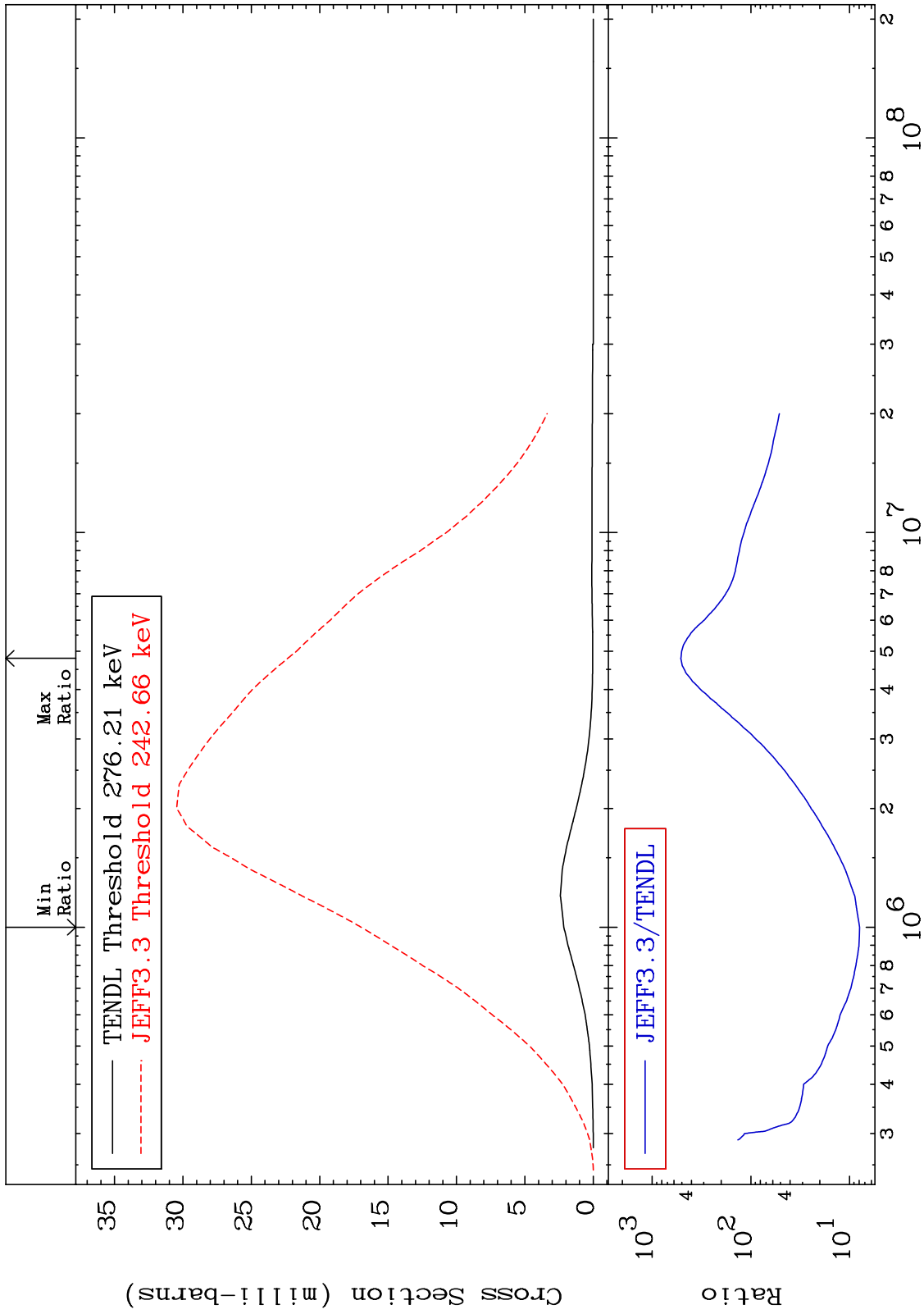
MAT 9031 MT= 72 (n,n') Level Cross Section 90-Th-229
 -97.42 To 9999. %



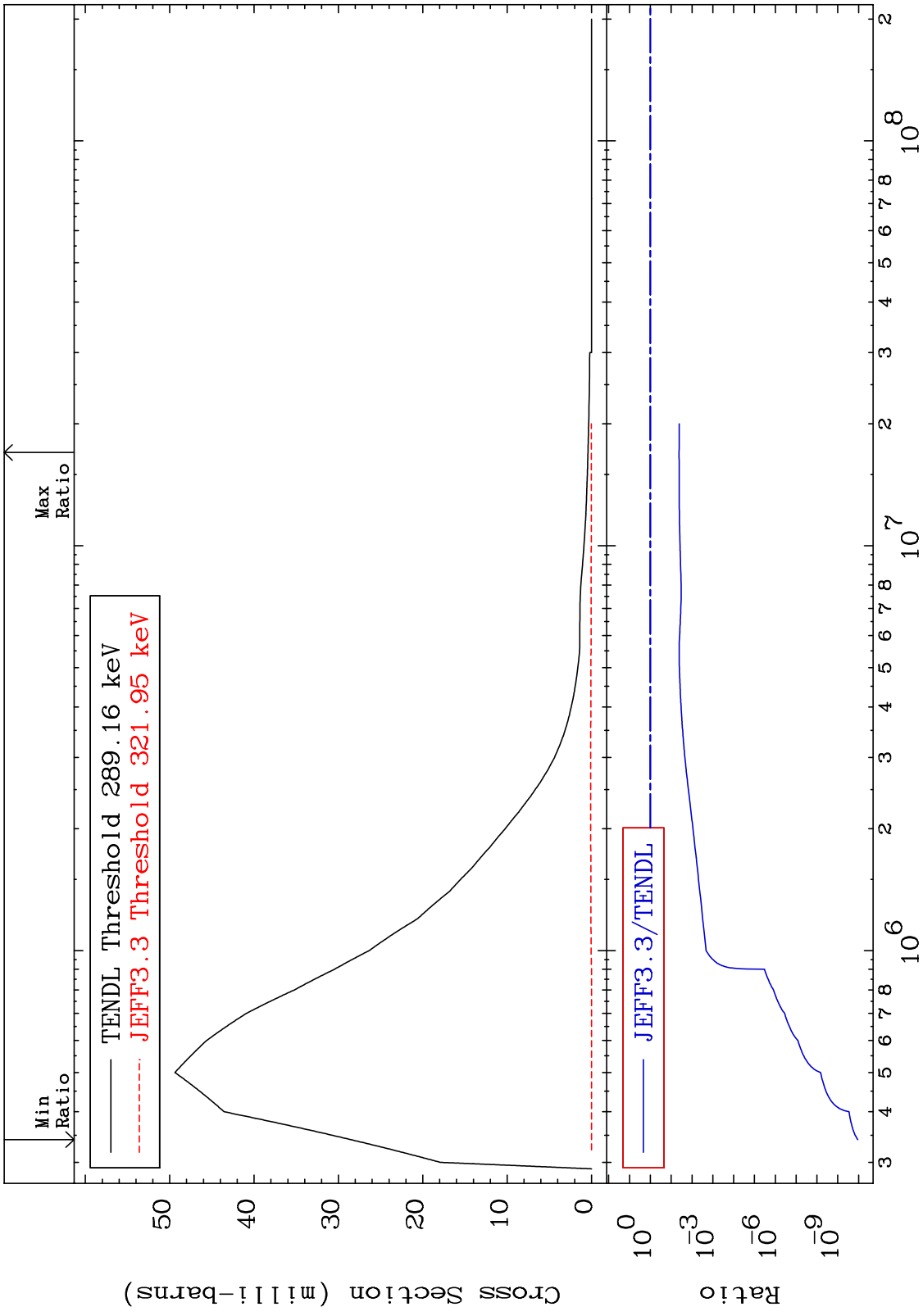
MAT 9031

MT= 73 (n,n') Level
Cross Section

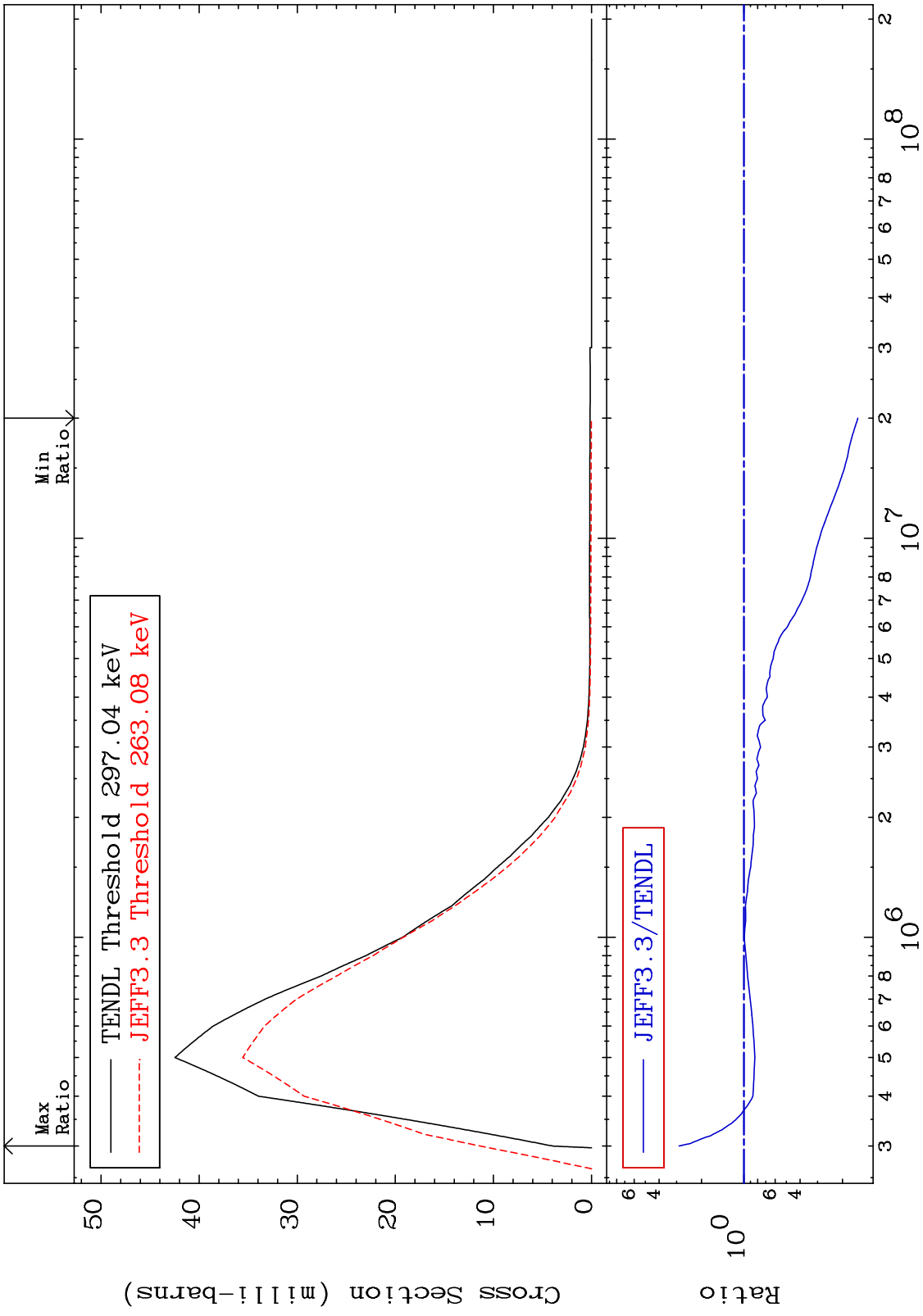
689.3 To 9999. %
90-Th-229



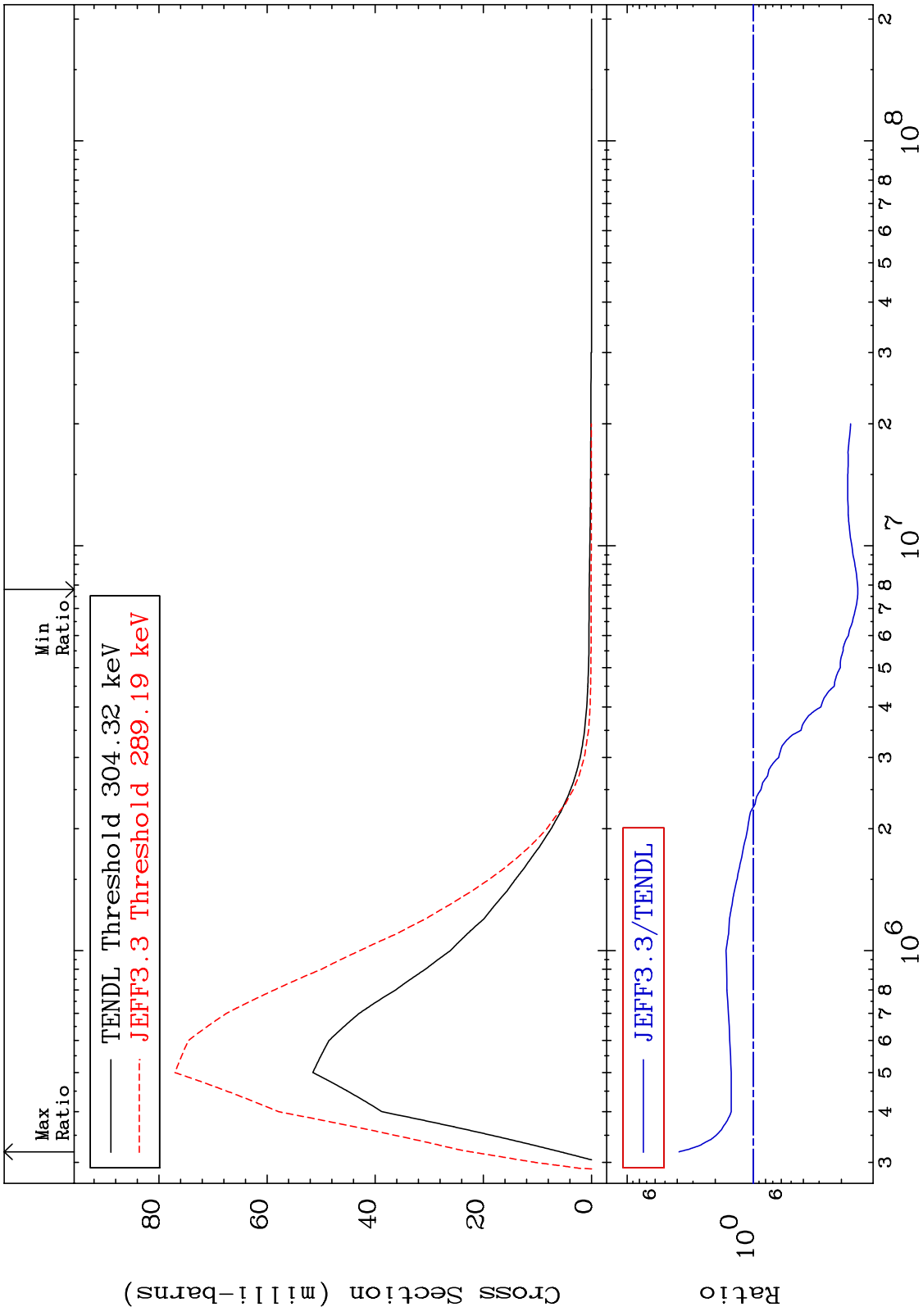
MAT 9031 MT= 74 (n,n') Level Cross Section -100.0 To -95.82% 90-Th-229



MAT 9031 MT= 75 (n,n') Level Cross Section 90-Th-229
 -84.43 To 188.5 %



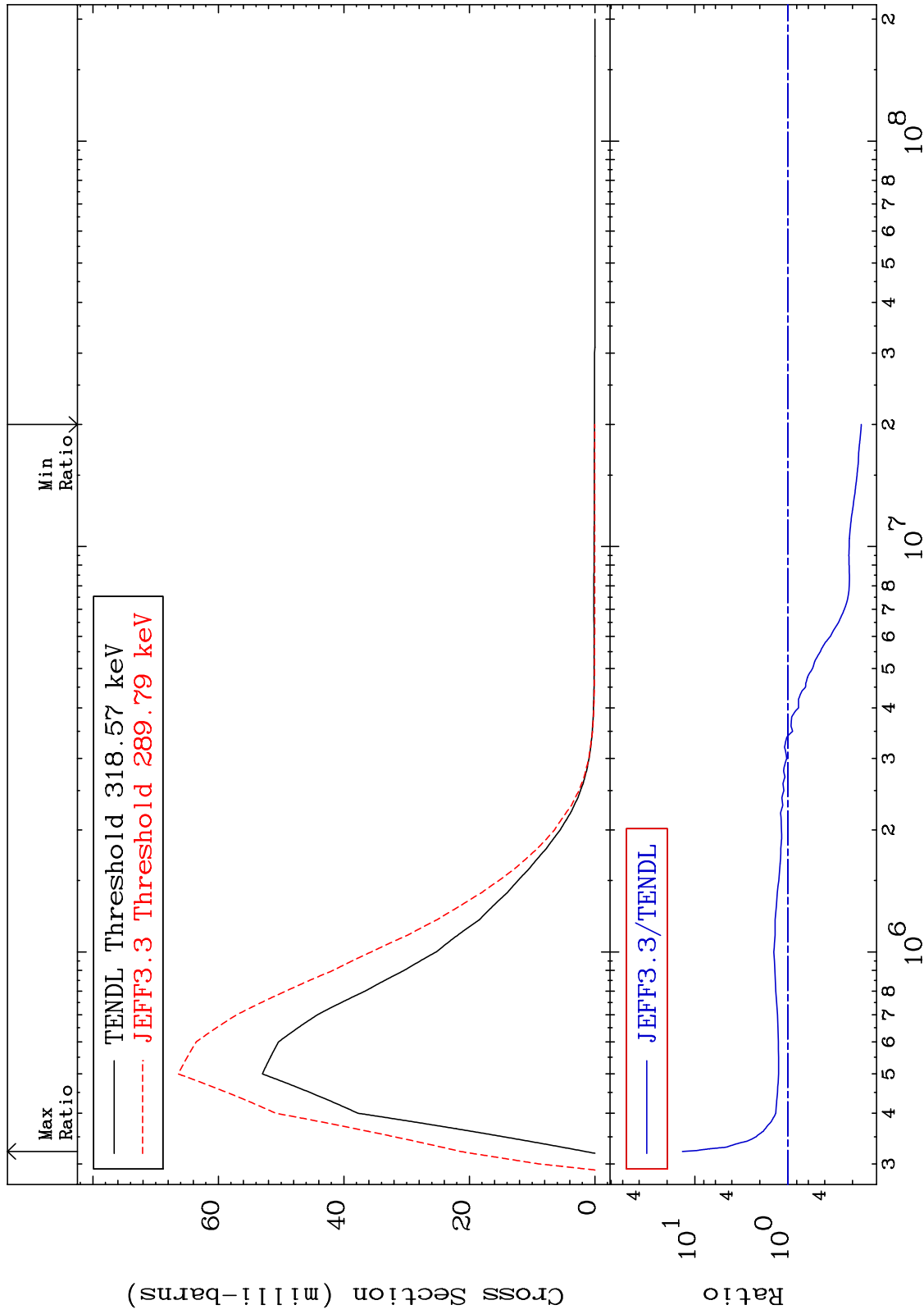
MAT 9031 MT= 76 (n,n') Level Cross Section 90-Th-229
 -85.18 To 287.6 %



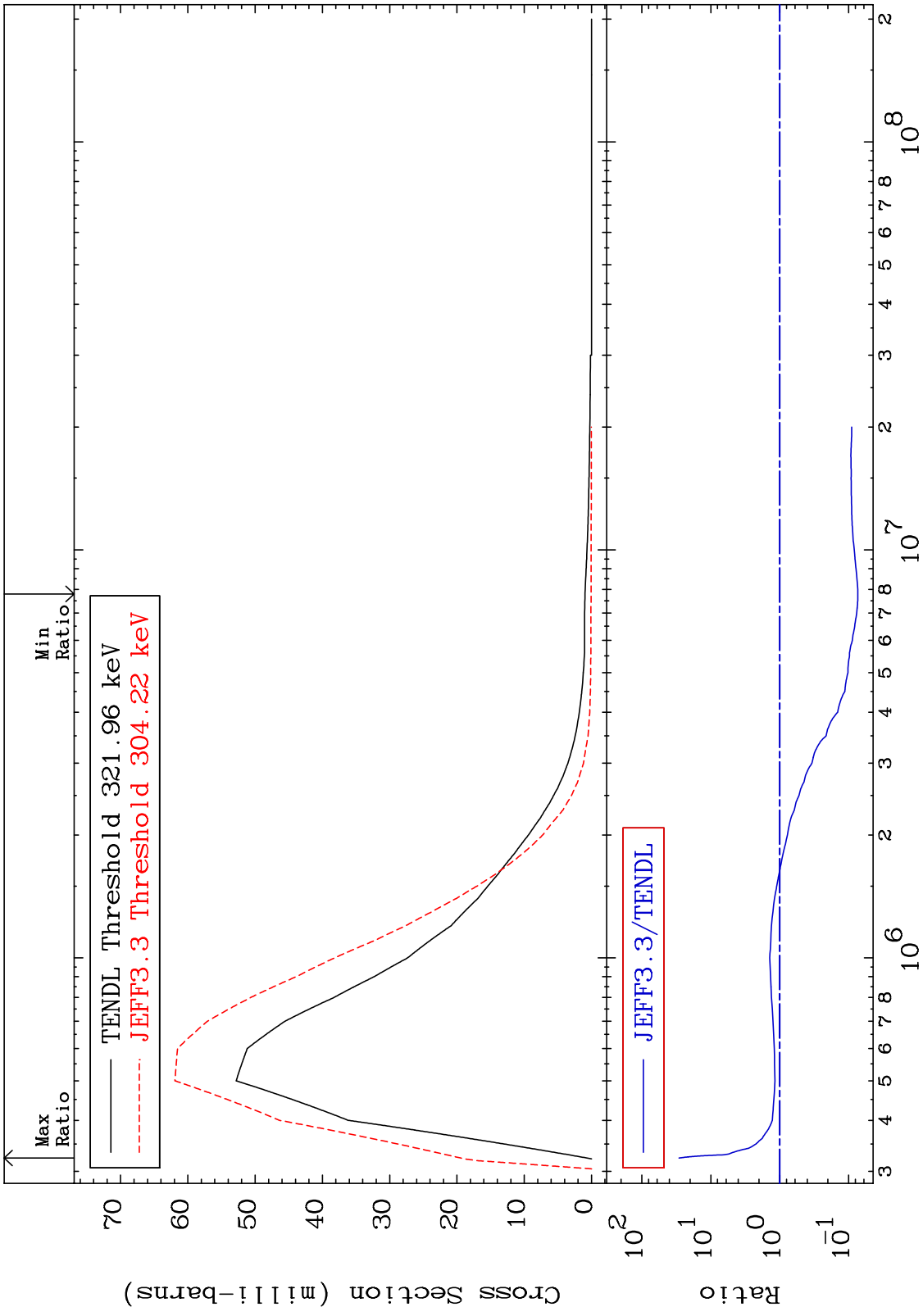
MAT 9031

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

90-Th-229
-83.89 To 1262. %



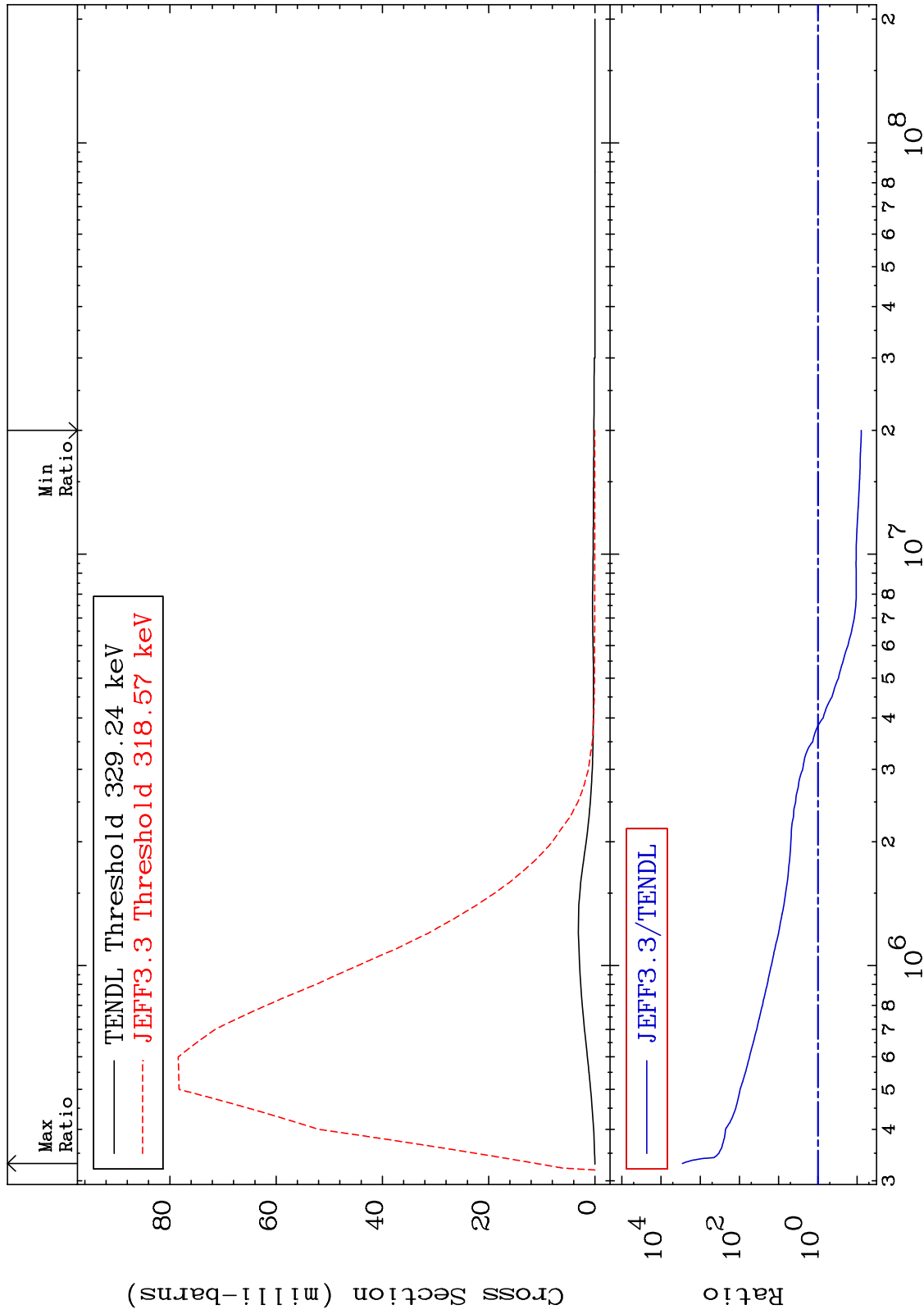
MAT 9031 MT= 78 (n,n') Level 90-Th-229
 Cross Section -92.63 To 2787. %



MAT 9031

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

90-Th-229
-92.18 To 9999. %

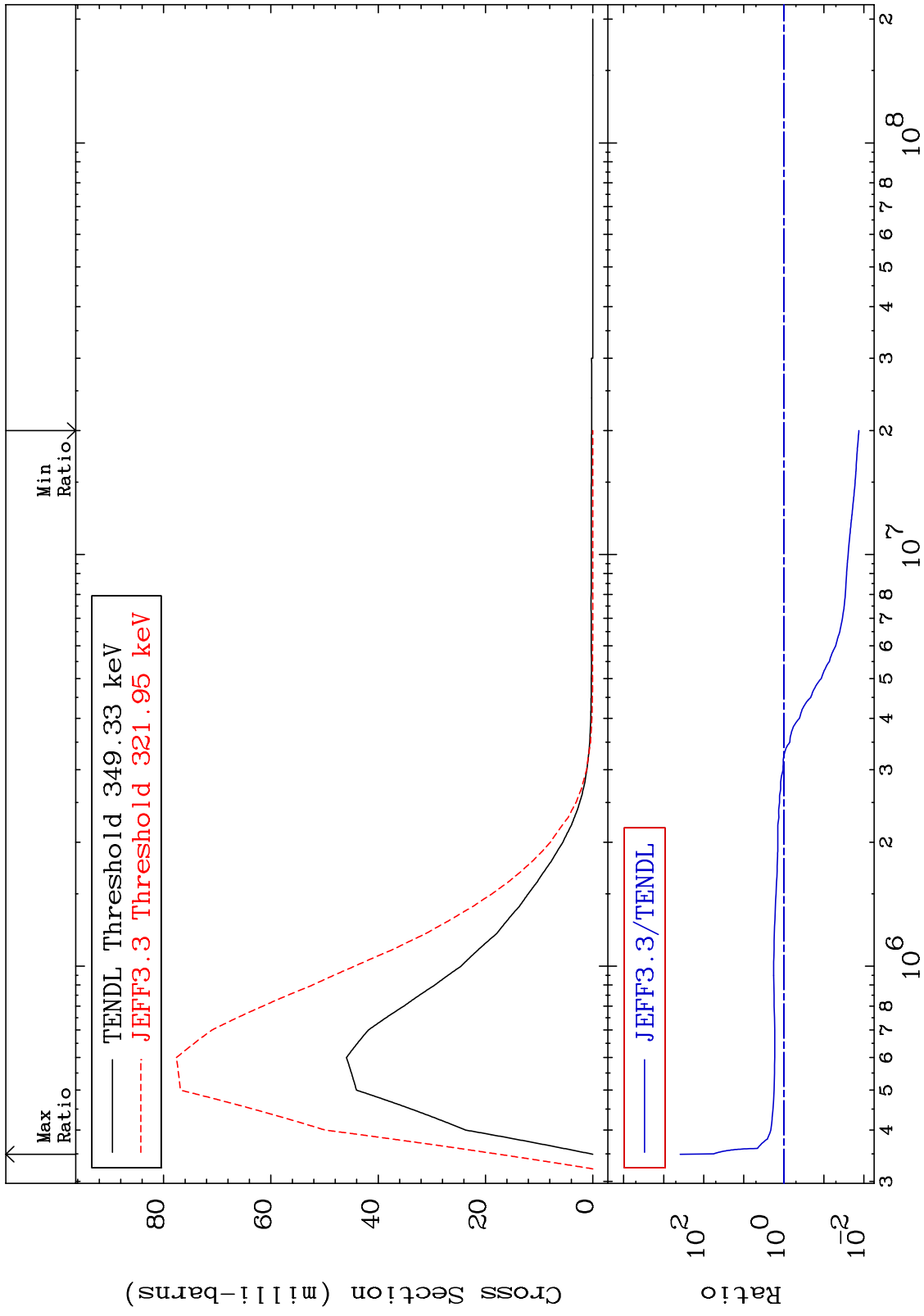


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Incident Energy (eV)

90-Th-229

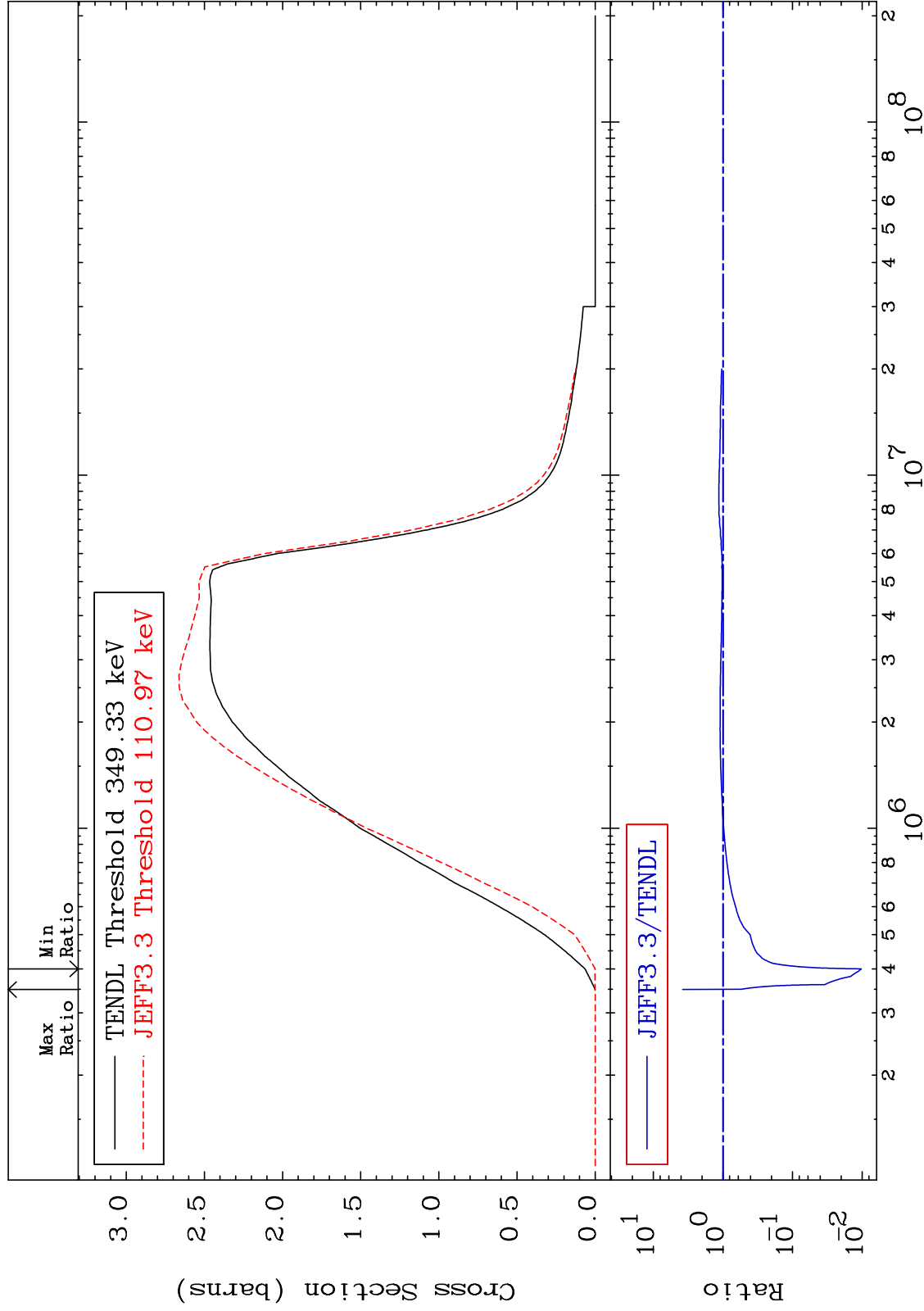
MAT 9031 MT= 80 (n,n') Level Cross Section 90-Th-229
 -98.66 To 9999. %



MAT 9031

(n, n') Continuum
Cross Section

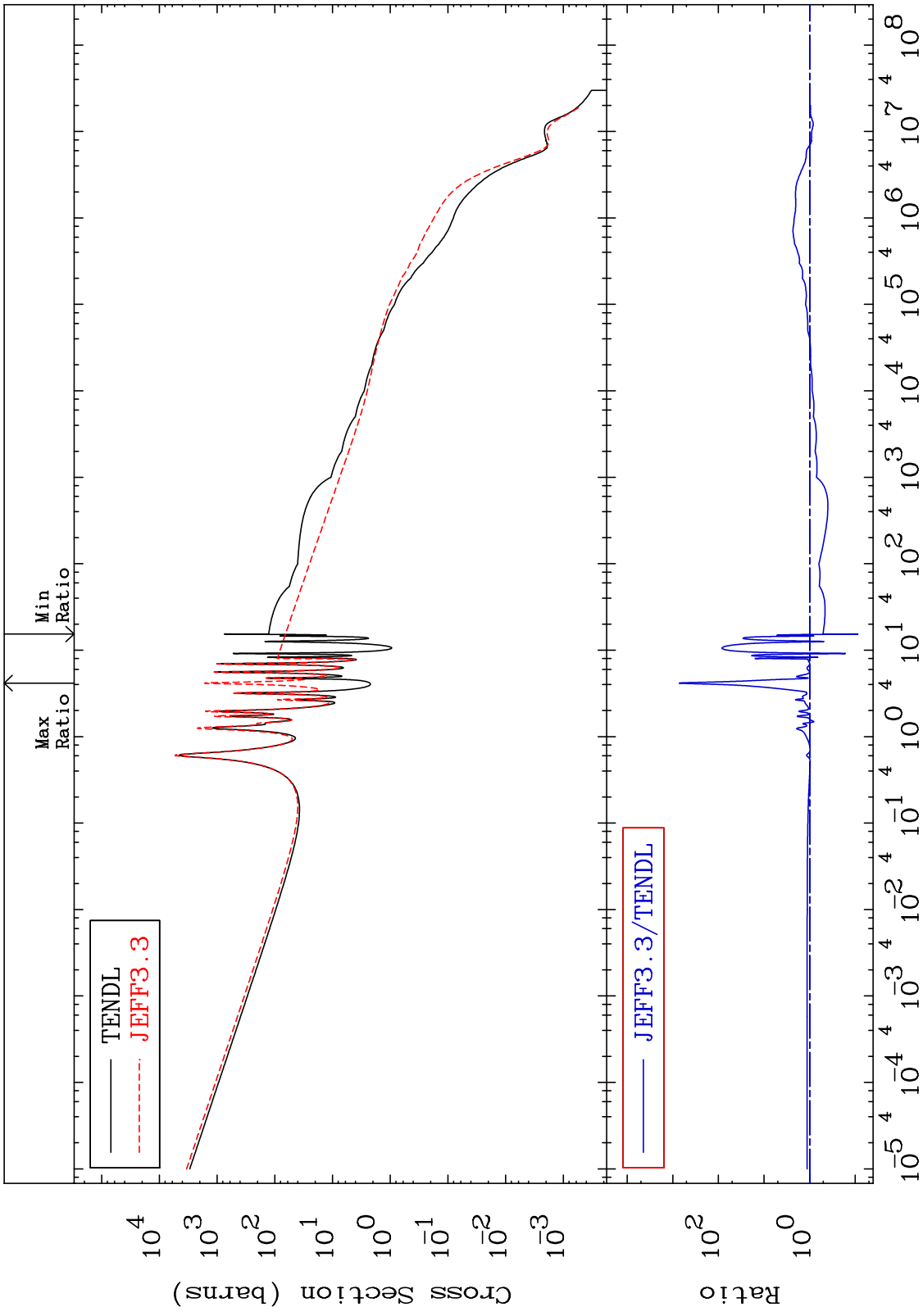
90-Th-229
-98.97 To 278.5 %



MAT 9031

(n, γ)
Cross Section

90-Th-229
-91.24 To 9999. %



43

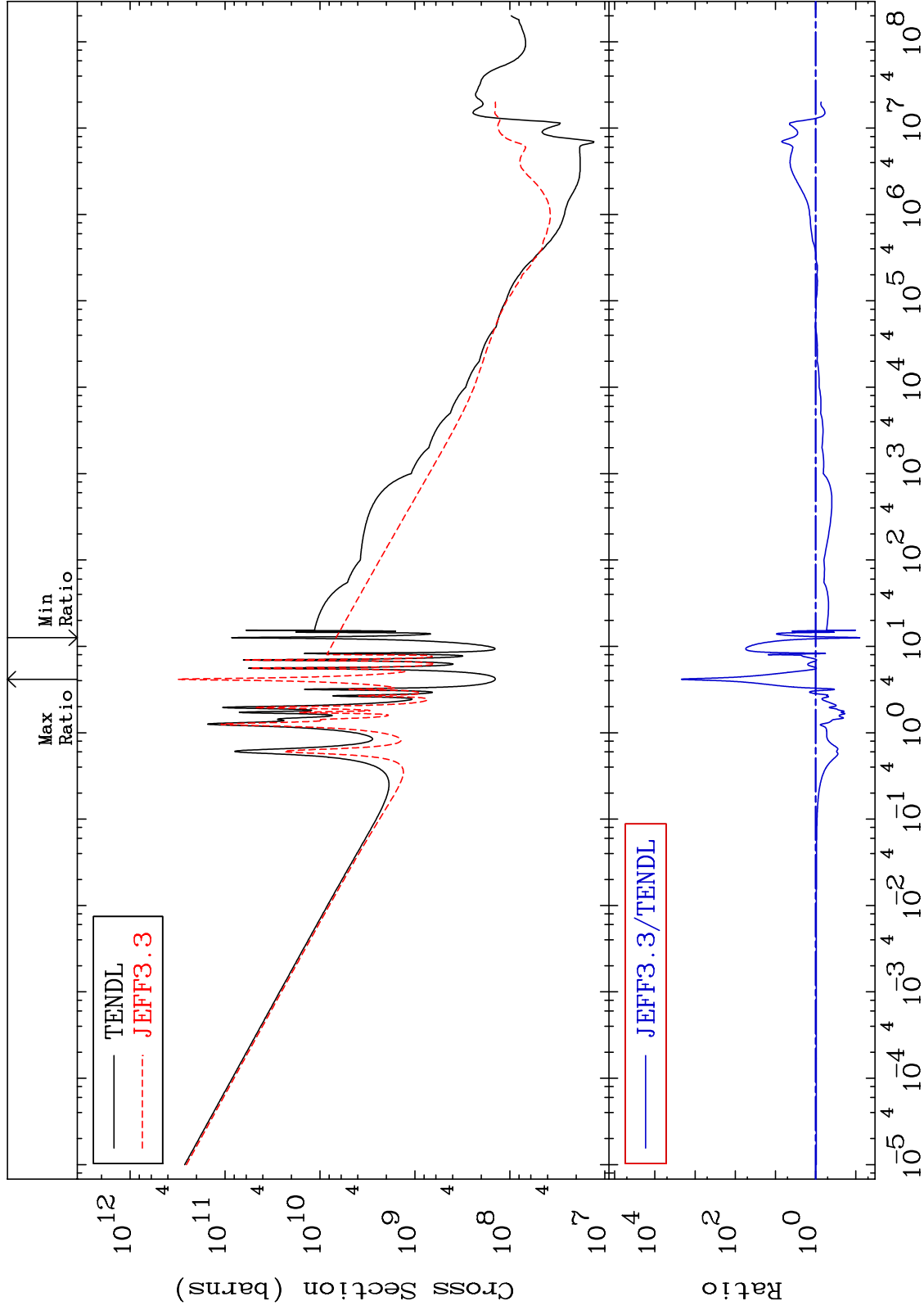
Incident Energy (eV)

90-Th-229

MAT 9031

Kerma total (eV-barns)
Cross Section

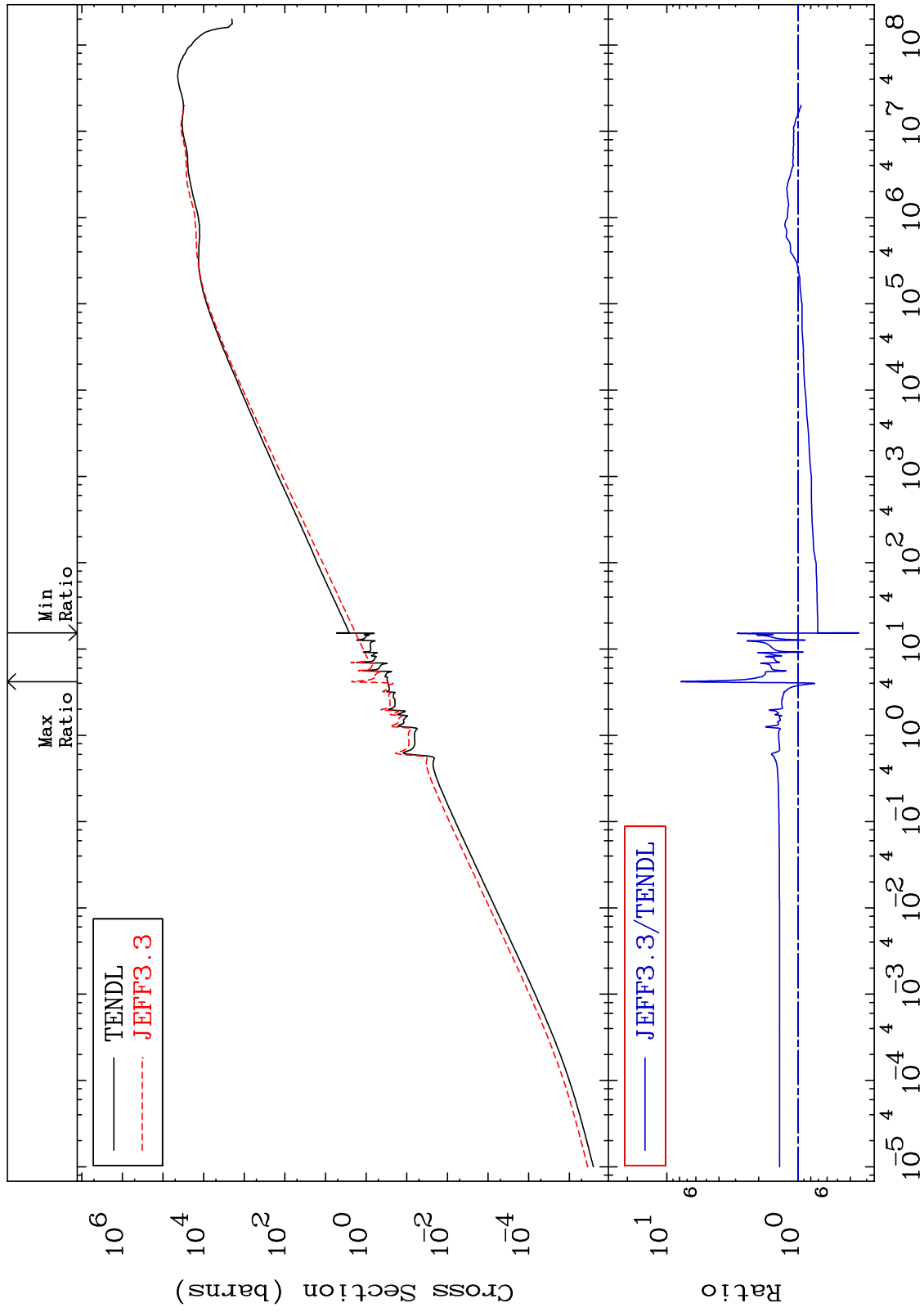
90-Th-229
-92.02 To 9999. %



MAT 9031

Kerma elastic
Cross Section

90-Th-229
-65.70 To 684.9 %



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Incident Energy (eV)

90-Th-229

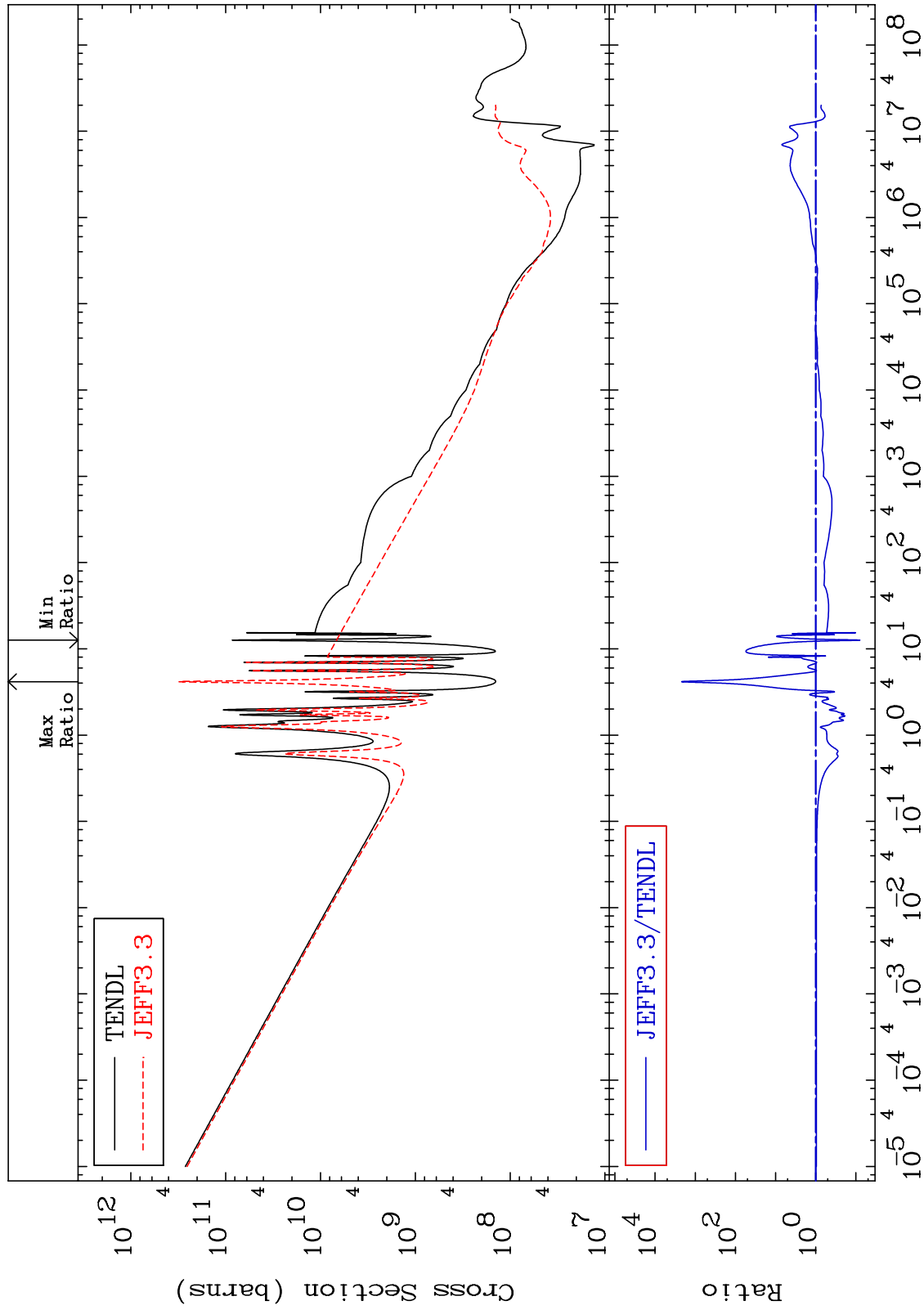
MAT 9031

Kerma non-elastic (all but mt2)

90-Th-229

-92.02 To 9999. %

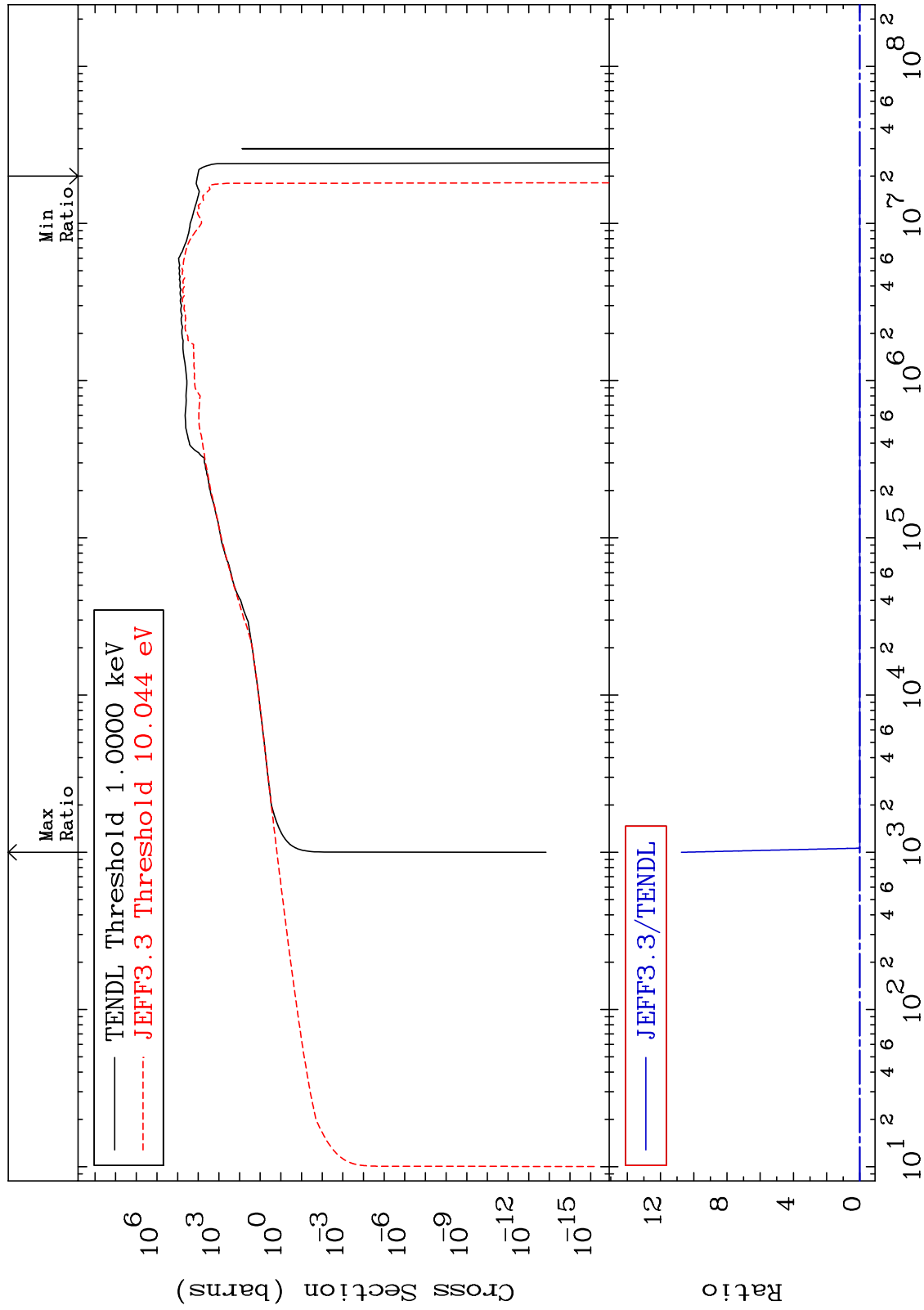
Cross Section



MAT 9031

Kerma inelastic (mt51-91)
Cross Section

90-Th-229
-118.5 To 9999. %



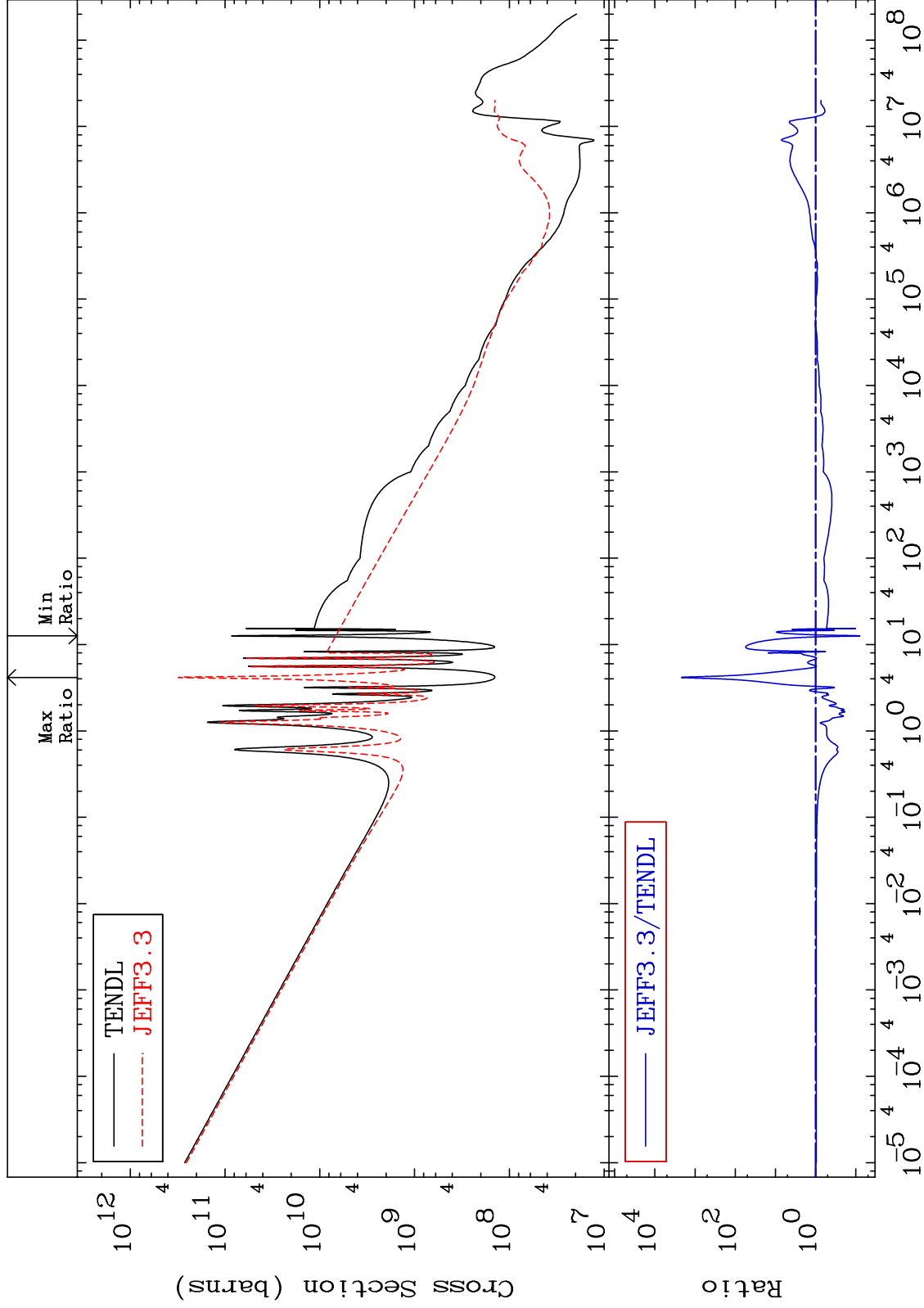
MAT 9031

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

90-Th-229

-92.02 To 9999. %

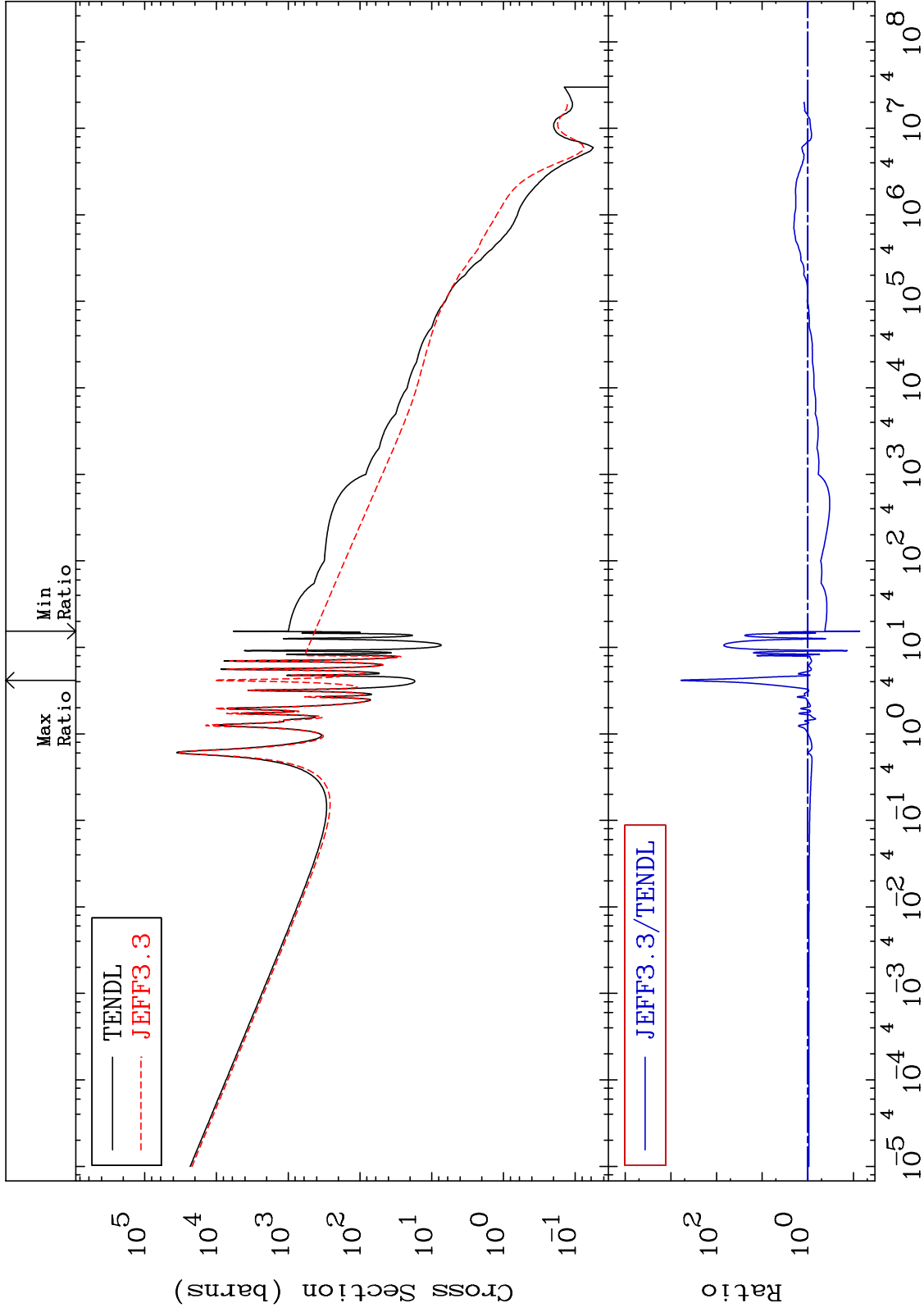
Cross Section



MAT 9031

Kerma capture (mt102)
Cross Section

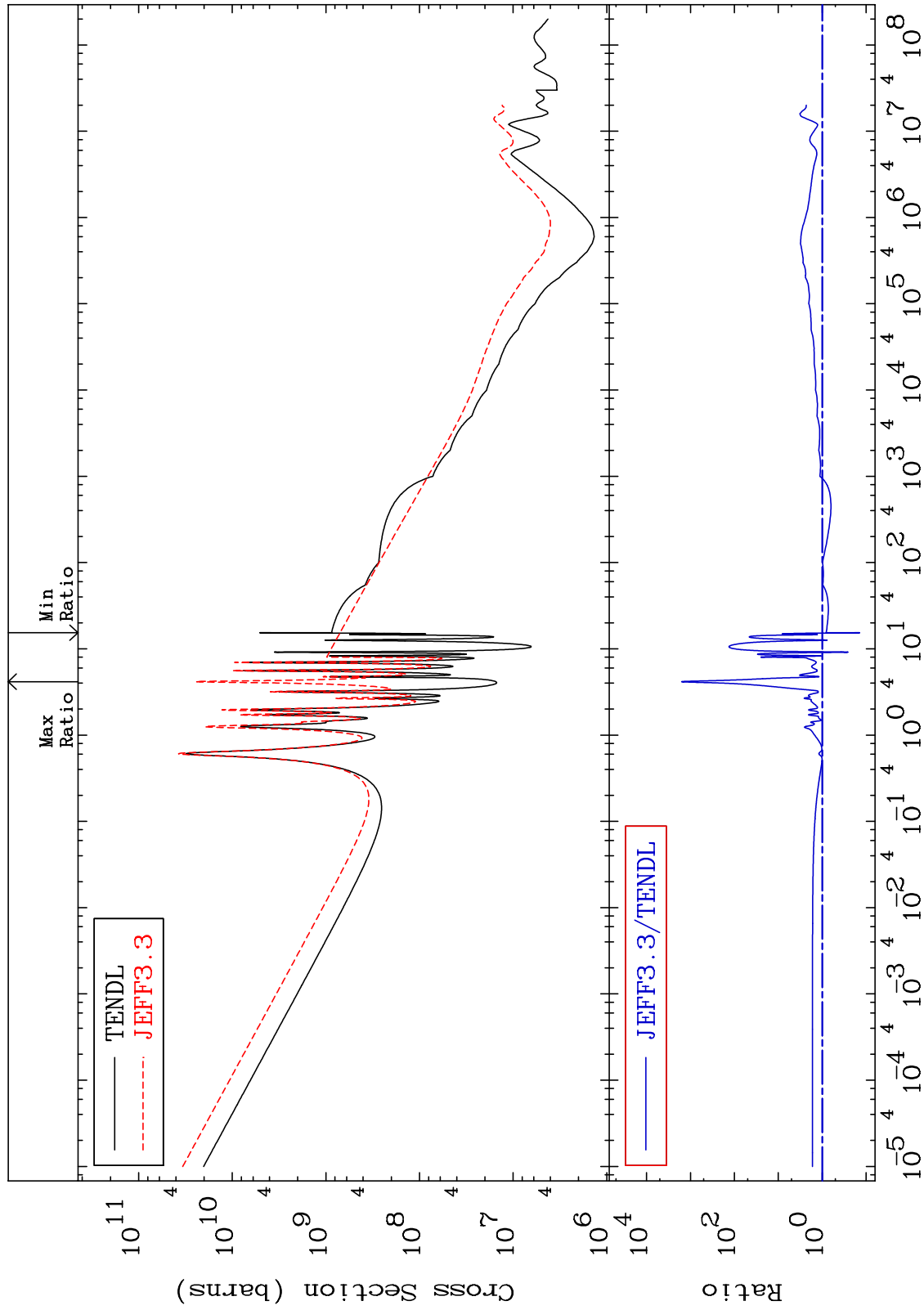
90-Th-229
-92.69 To 9999. %



MAT 9031

Total photon (eV-barns)
Cross Section

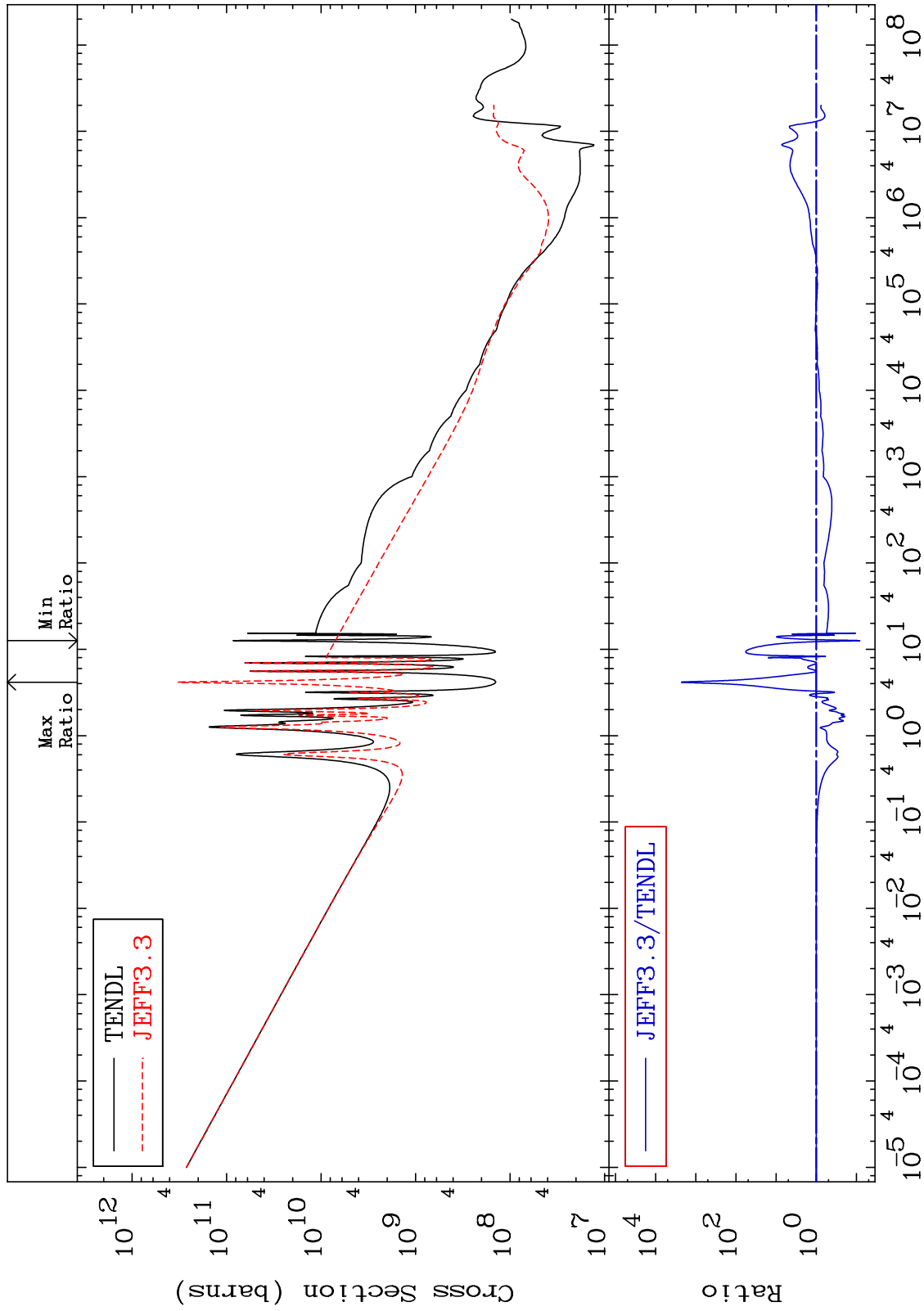
90-Th-229
-86.07 To 9999. %



MAT 9031

Total kinematic kerma (high limit)
Cross Section

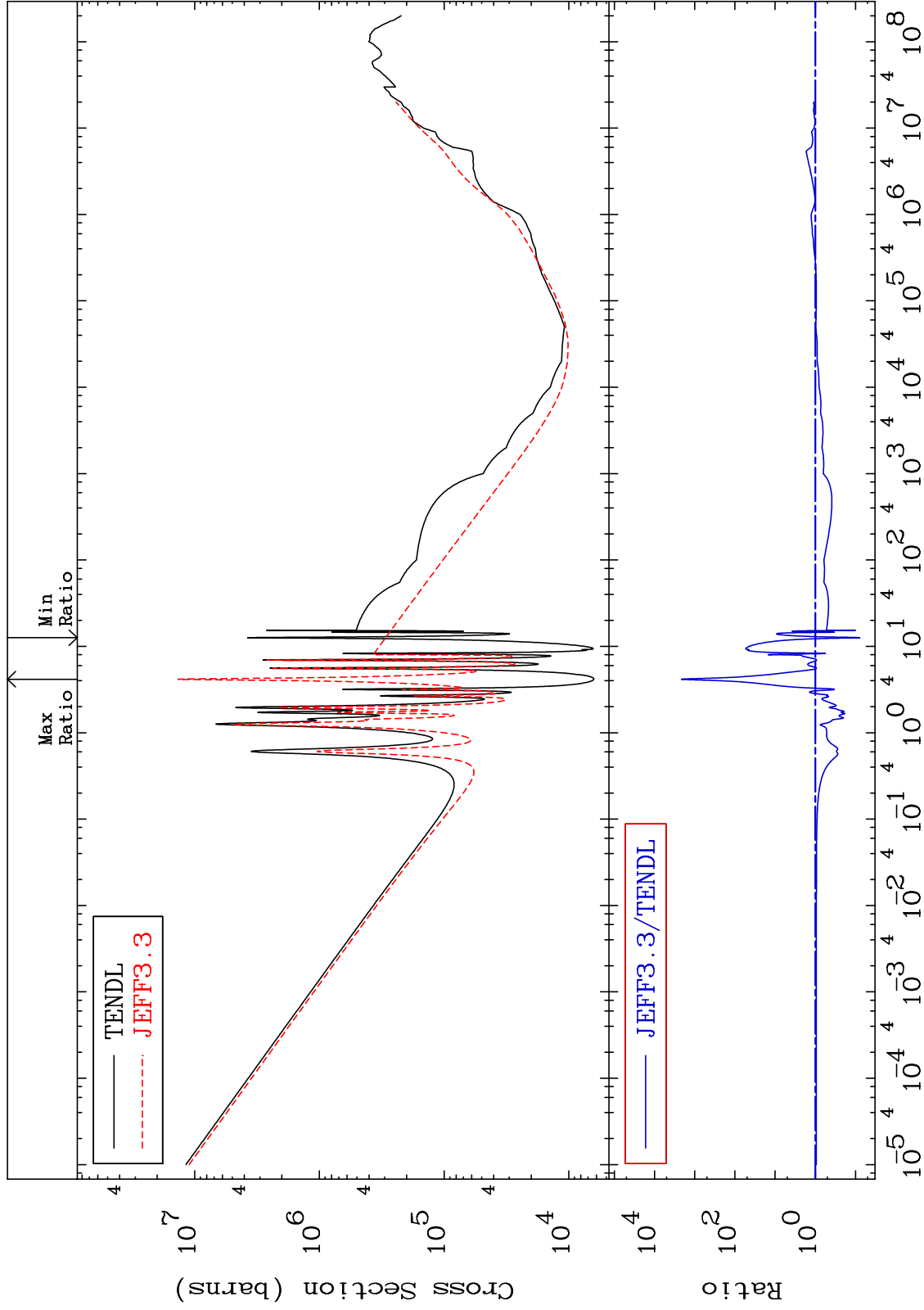
90-Th-229
-91.68 To 9999. %



MAT 9031

Dpa total (eV-barns)
Cross Section

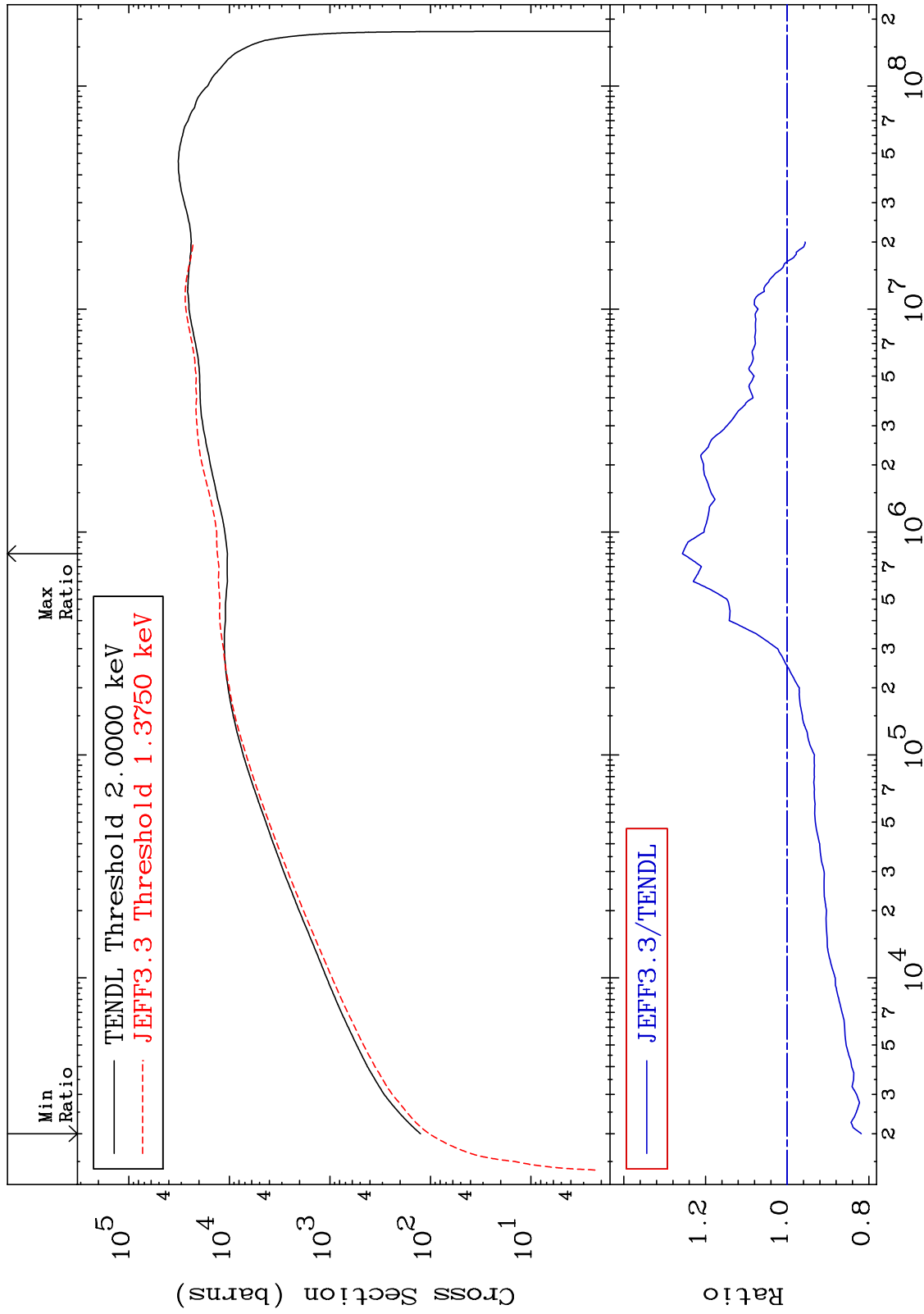
90-Th-229
-92.16 To 9999. %



MAT 9031

Dpa elastic (mt2)
Cross Section

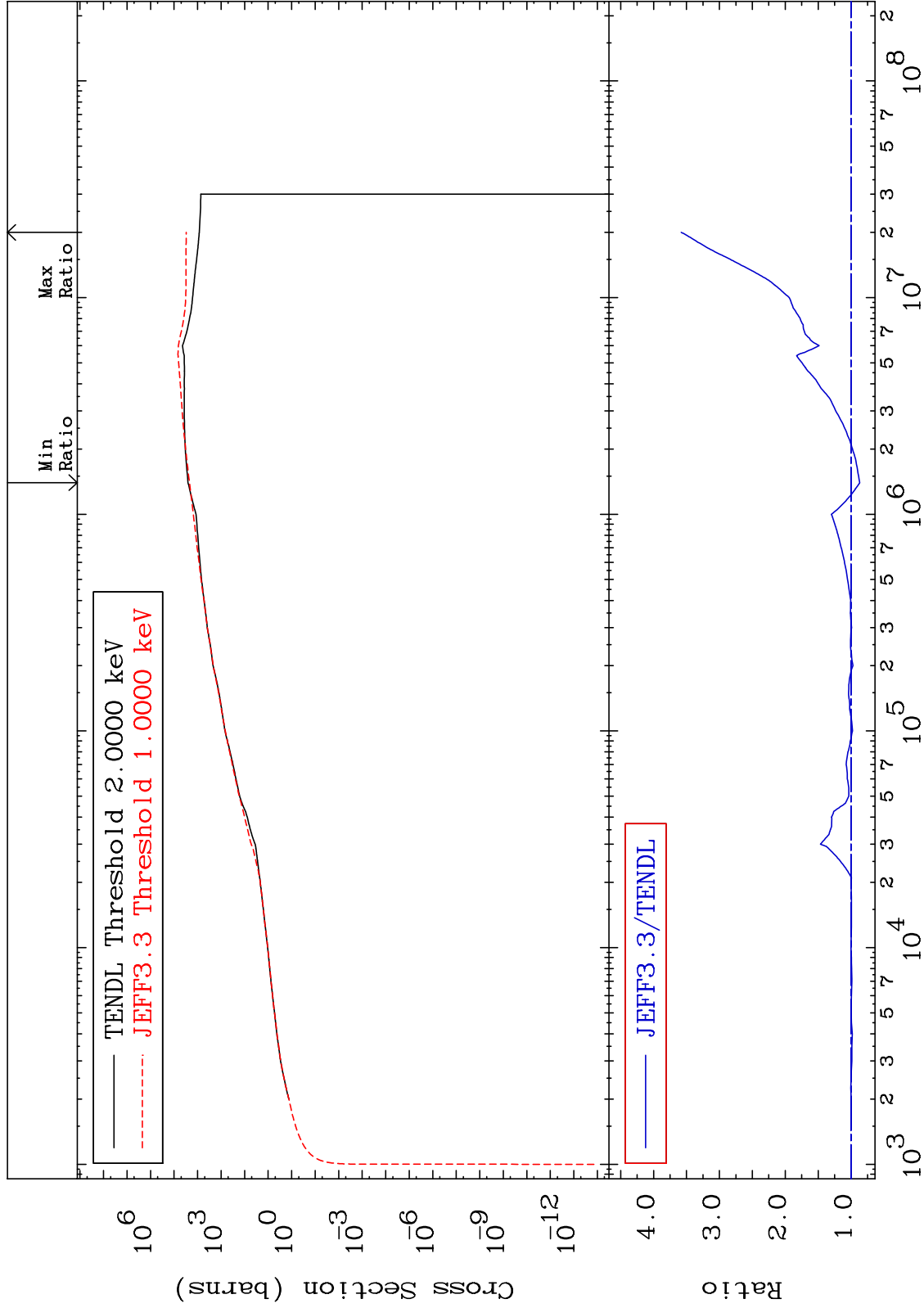
90-Th-229
-18.16 To 25.65 %



MAT 9031

Dpa inelastic (mt51-91)
Cross Section

90-Th-229
-13.19 To 258.0 %



MAT 9031

Dpa disappearance (mt102 -120)
Cross Section

90-Th-229
-100.0 To 9999. %

