

Program Complot
(Version 2018-1)

by

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Press Mouse Button to Start

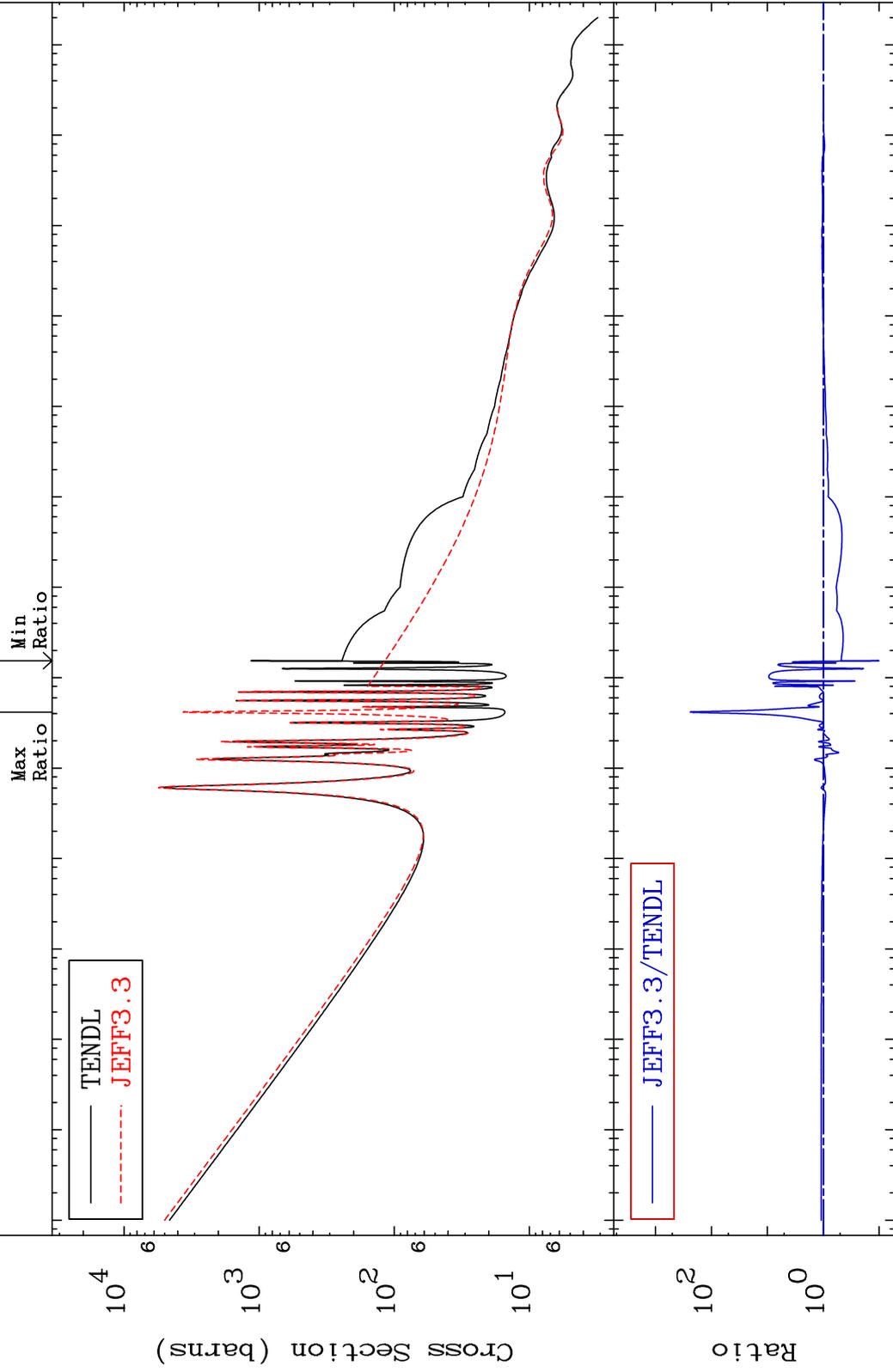
MAT 9031

Total

90-Th-229

-89.80 To 9999. %

Cross Section



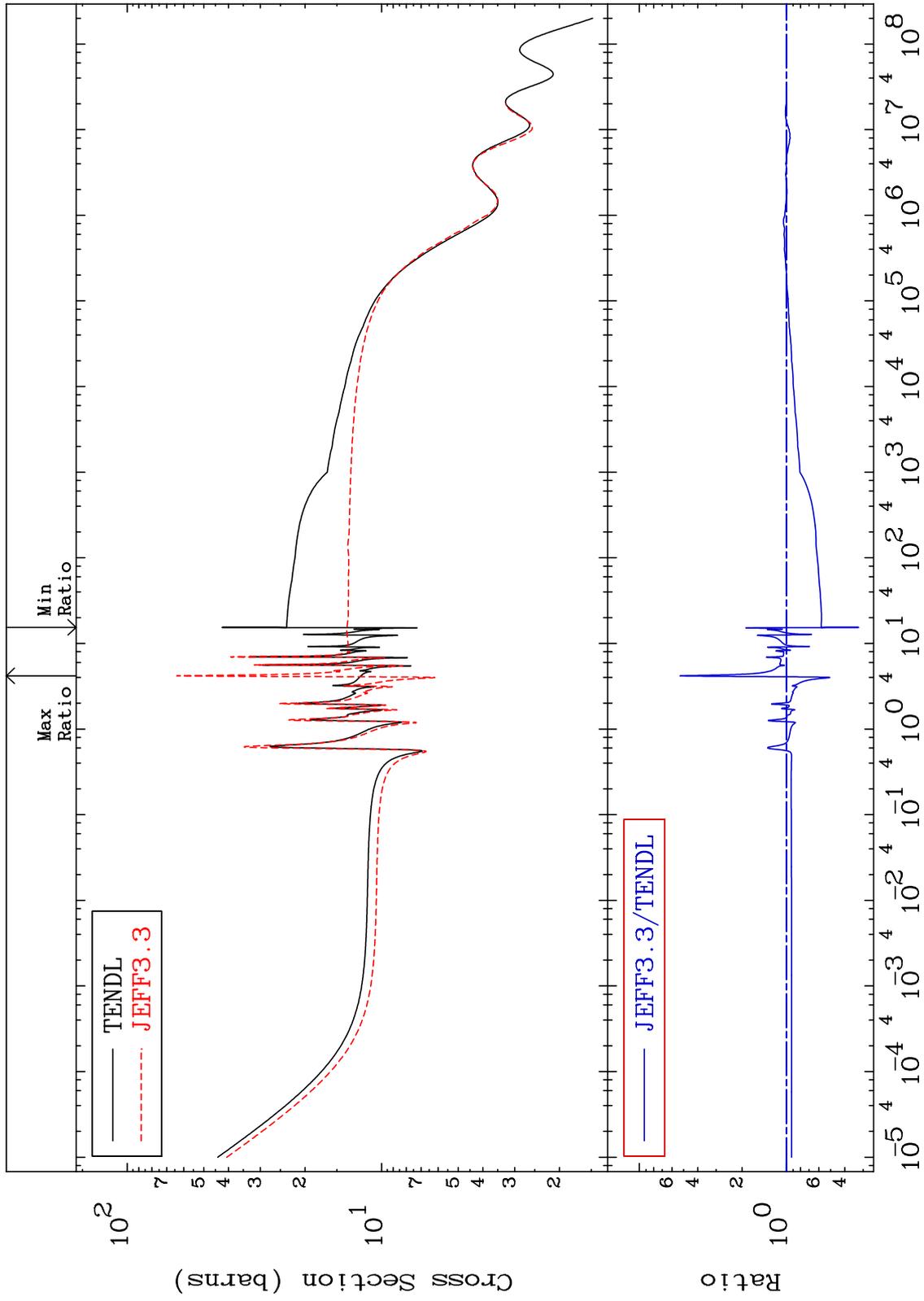
Incident Energy (eV)

90-Th-229

MAT 9031

Elastic
Cross Section

90-Th-229
-67.69 To 429.4 %



2

Incident Energy (eV)

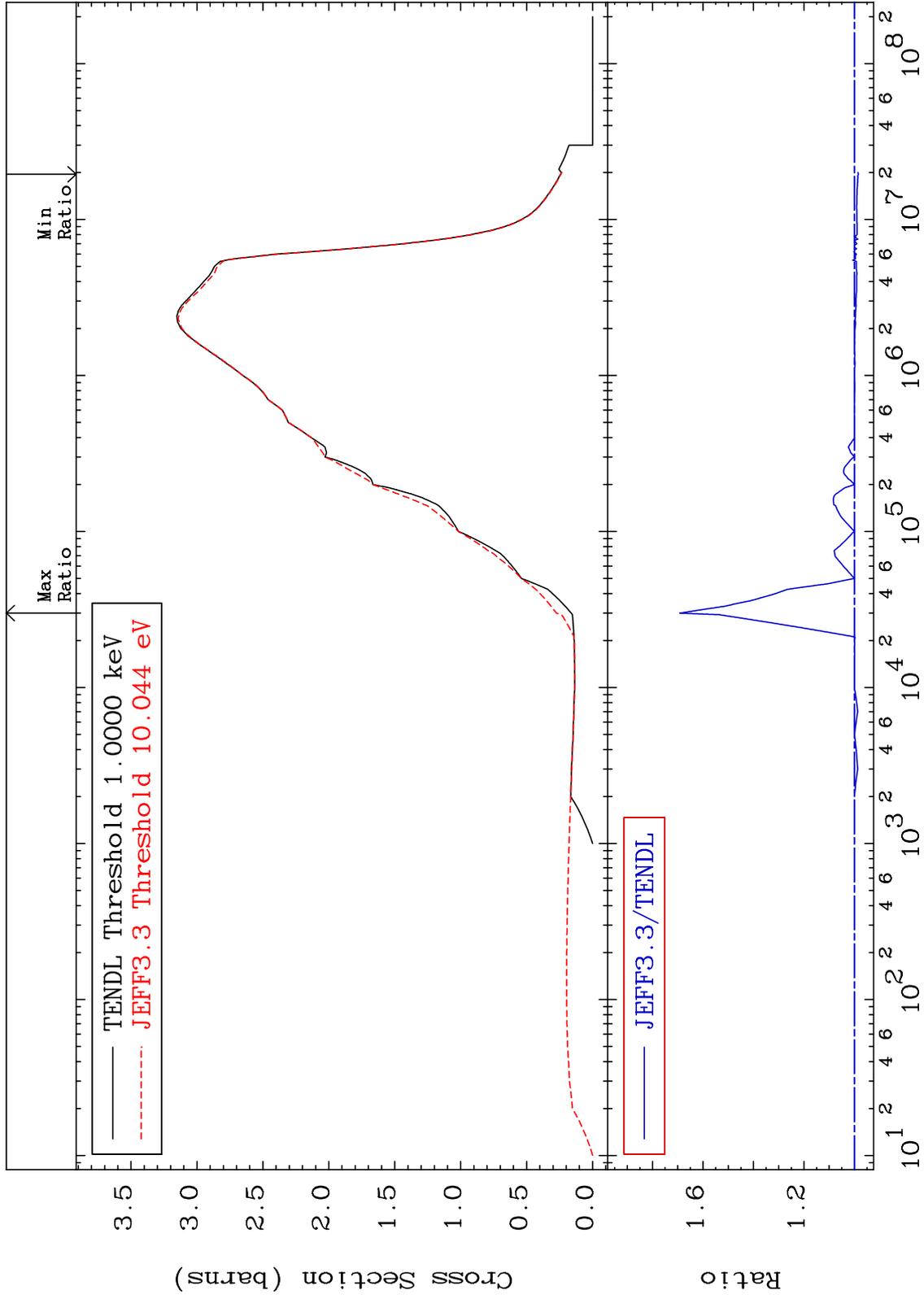
90-Th-229

MAT 9031

Inelastic
Cross Section

90-Th-229

-1.569 To 69.14 %



90-Th-229

3

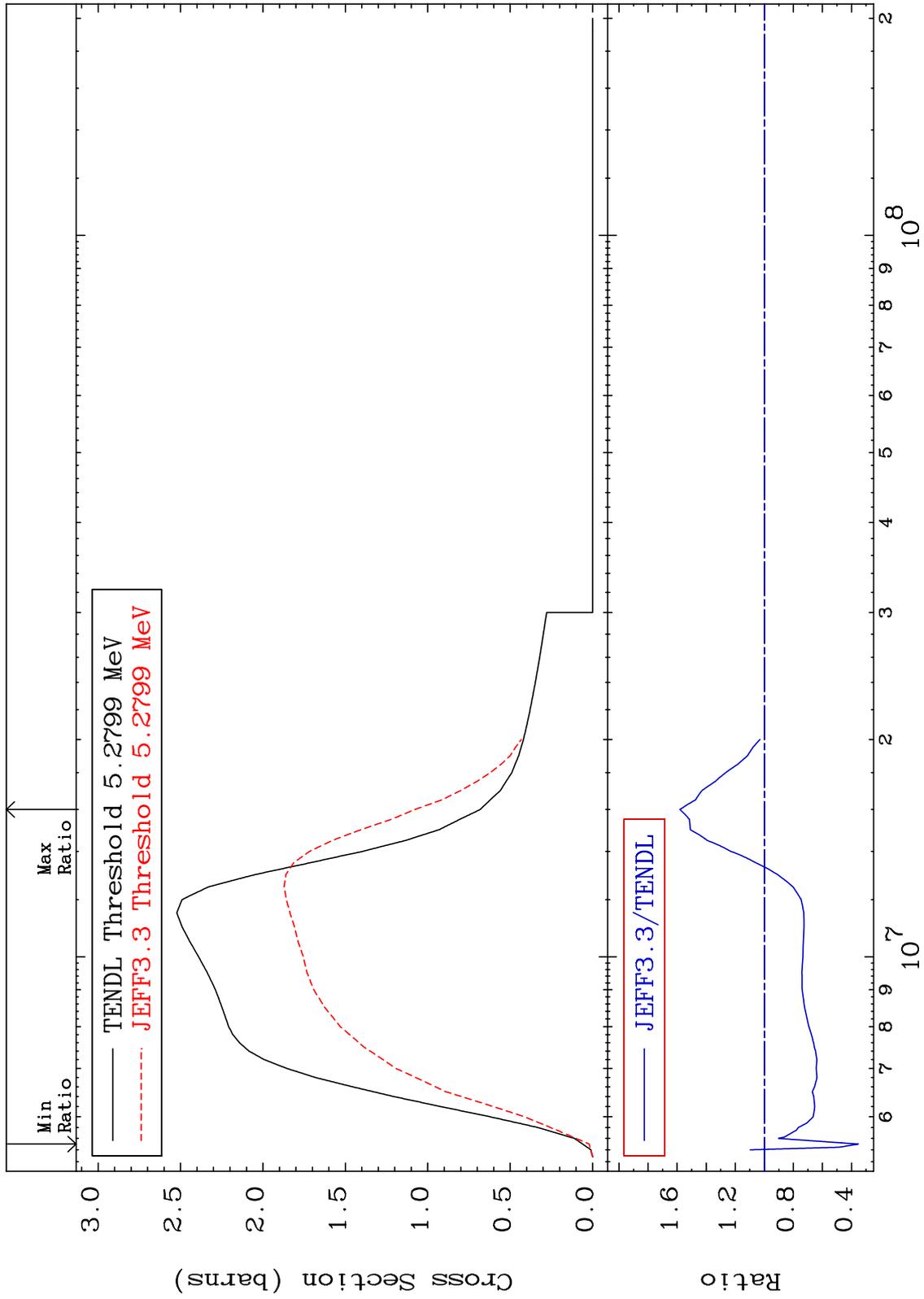
MAT 9031

(n, 2n)

90-Th-229

Cross Section

-64.74 To 58.06 %



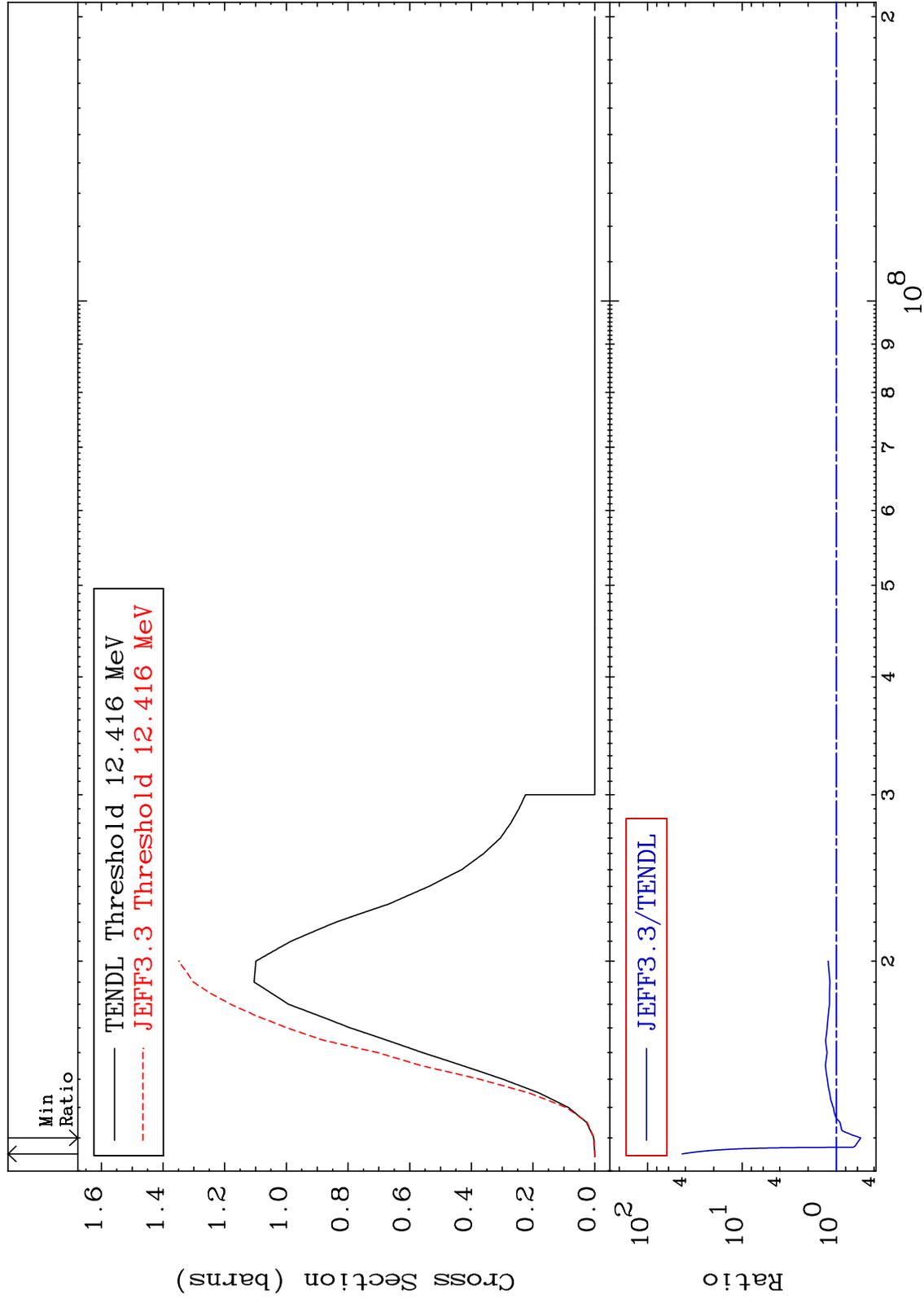
MAT 9031

(n,3n)

90-Th-229

Cross Section

-44.58 To 4214. %



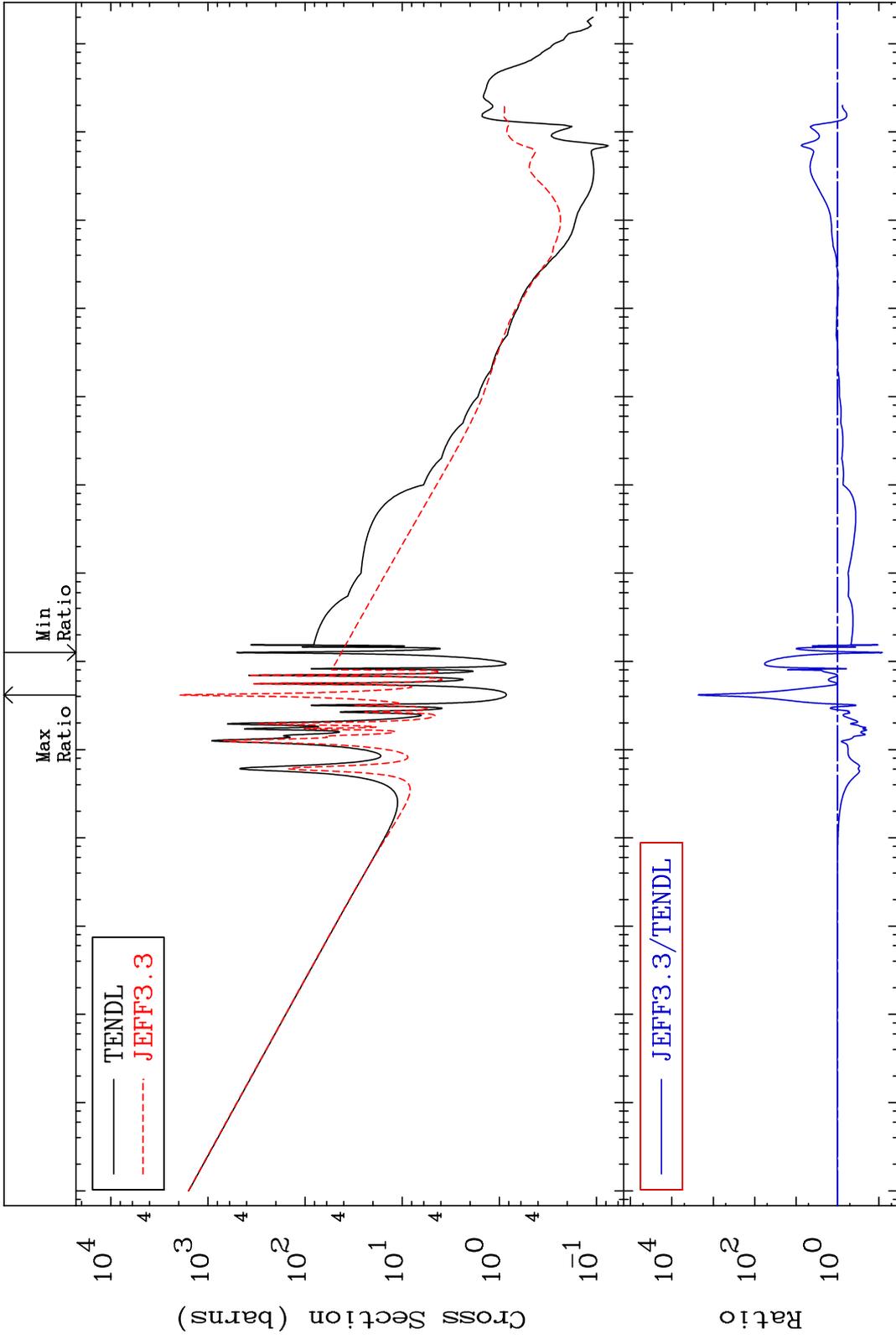
MAT 9031

Fission

90-Th-229

-91.62 To 9999. %

Cross Section



Incident Energy (eV)

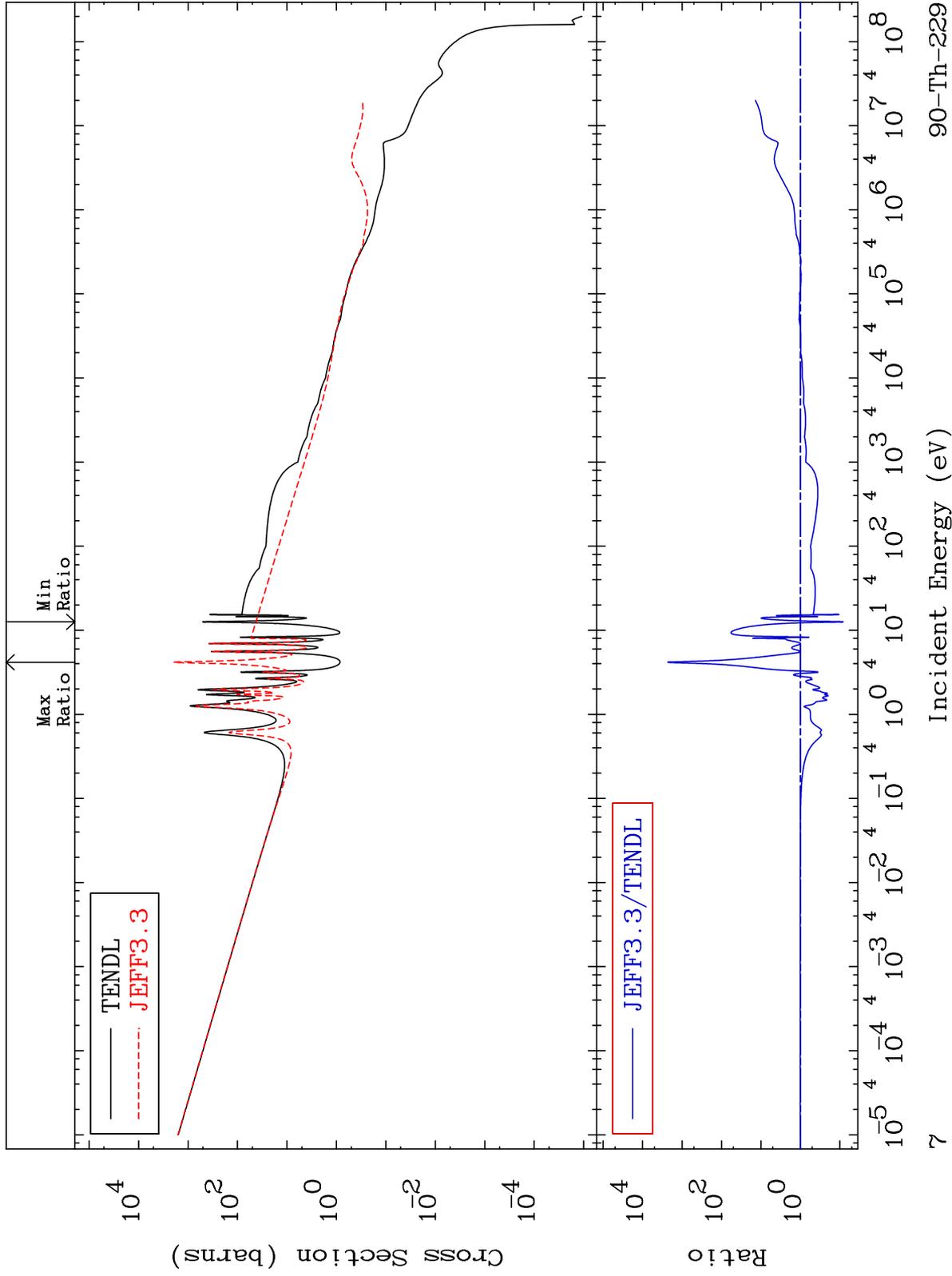
6

90-Th-229

MAT 9031

(n,f) First Chance
Cross Section

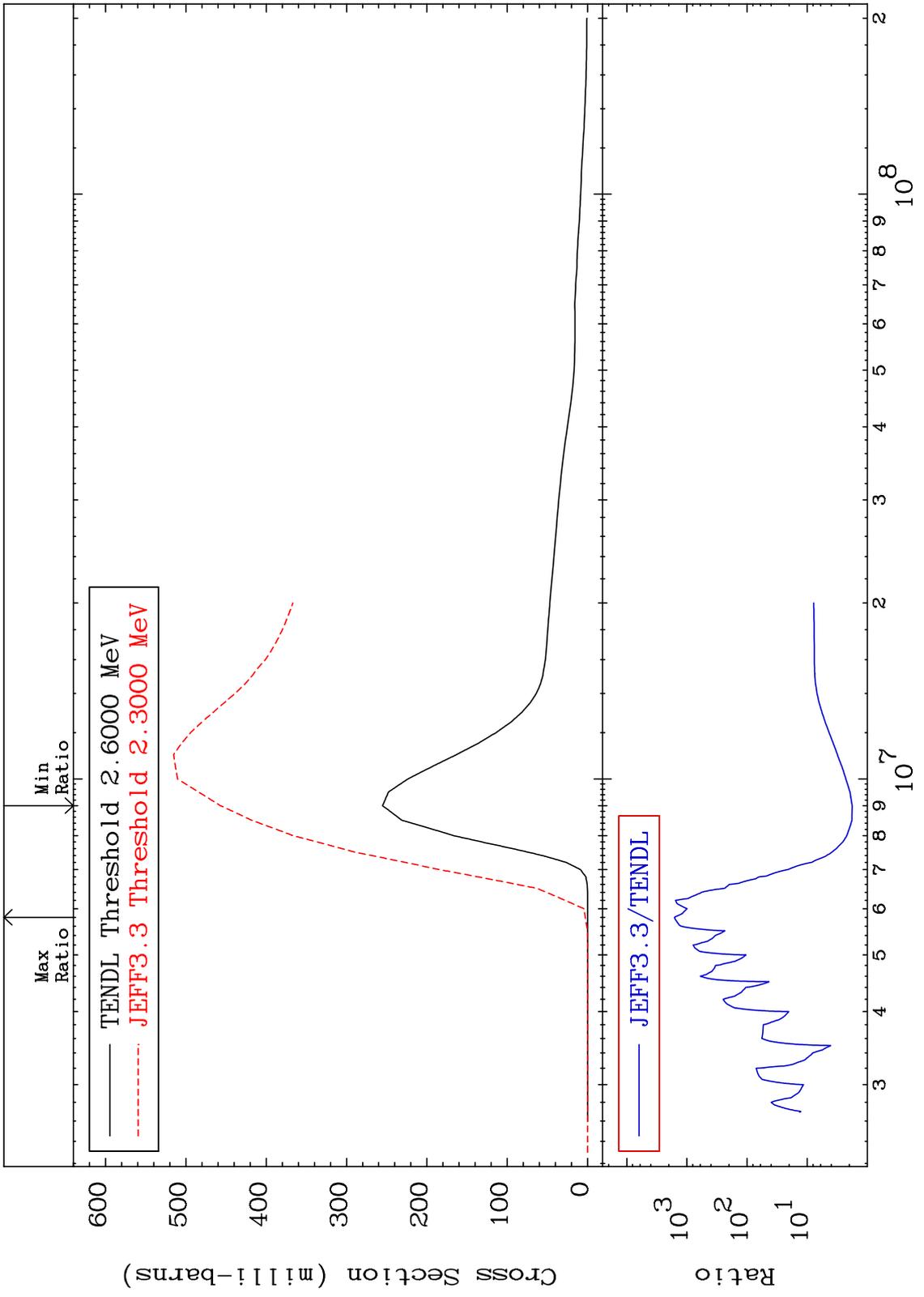
90-Th-229
-91.62 To 9999. %



MAT 9031

(n, nf) Second Chance
Cross Section

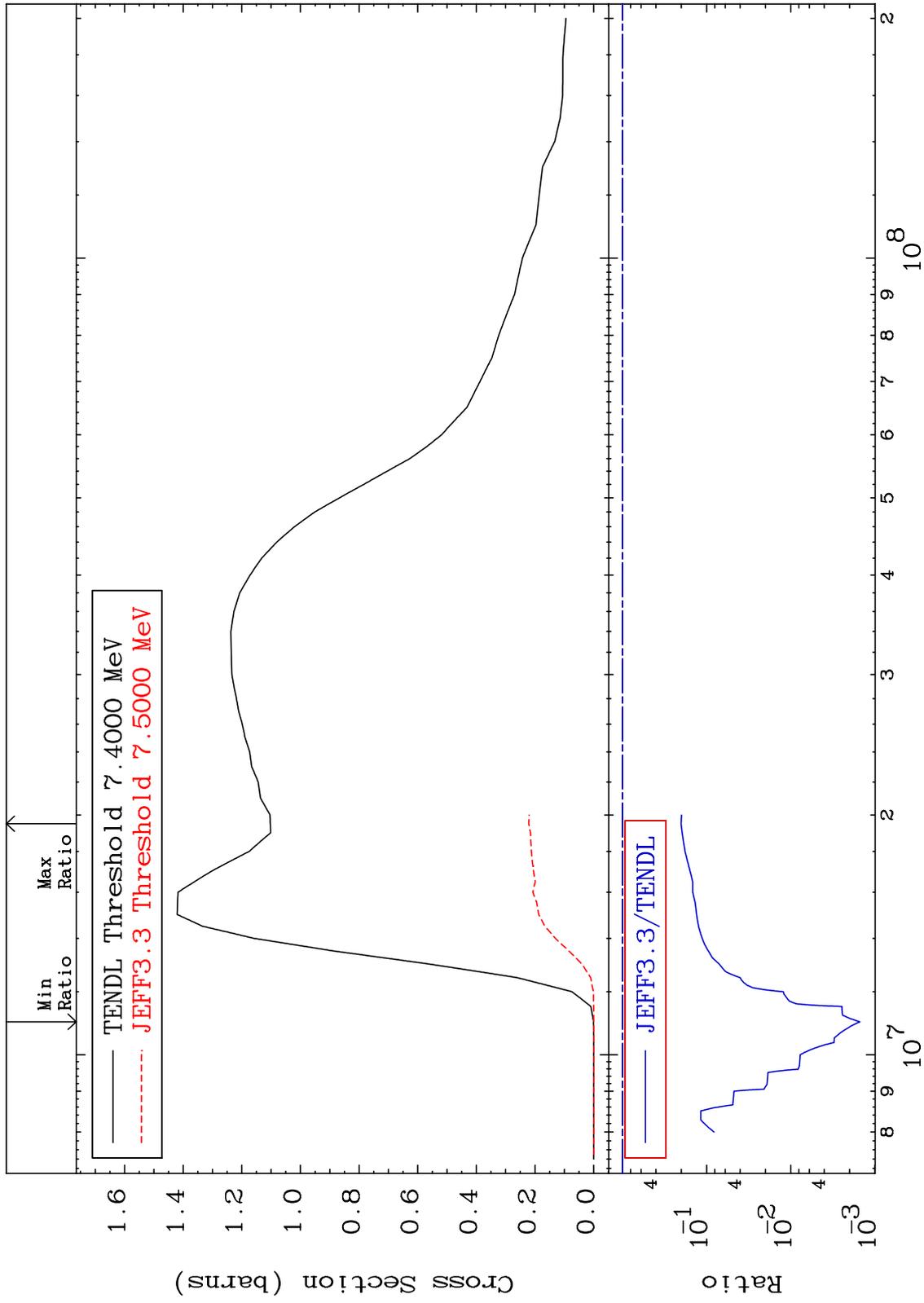
90-Th-229
79.06 To 9999. %



MAT 9031

(n,2nf) Third Chance
Cross Section

90-Th-229
-99.85 To -79.91%



9

Incident Energy (eV)

90-Th-229

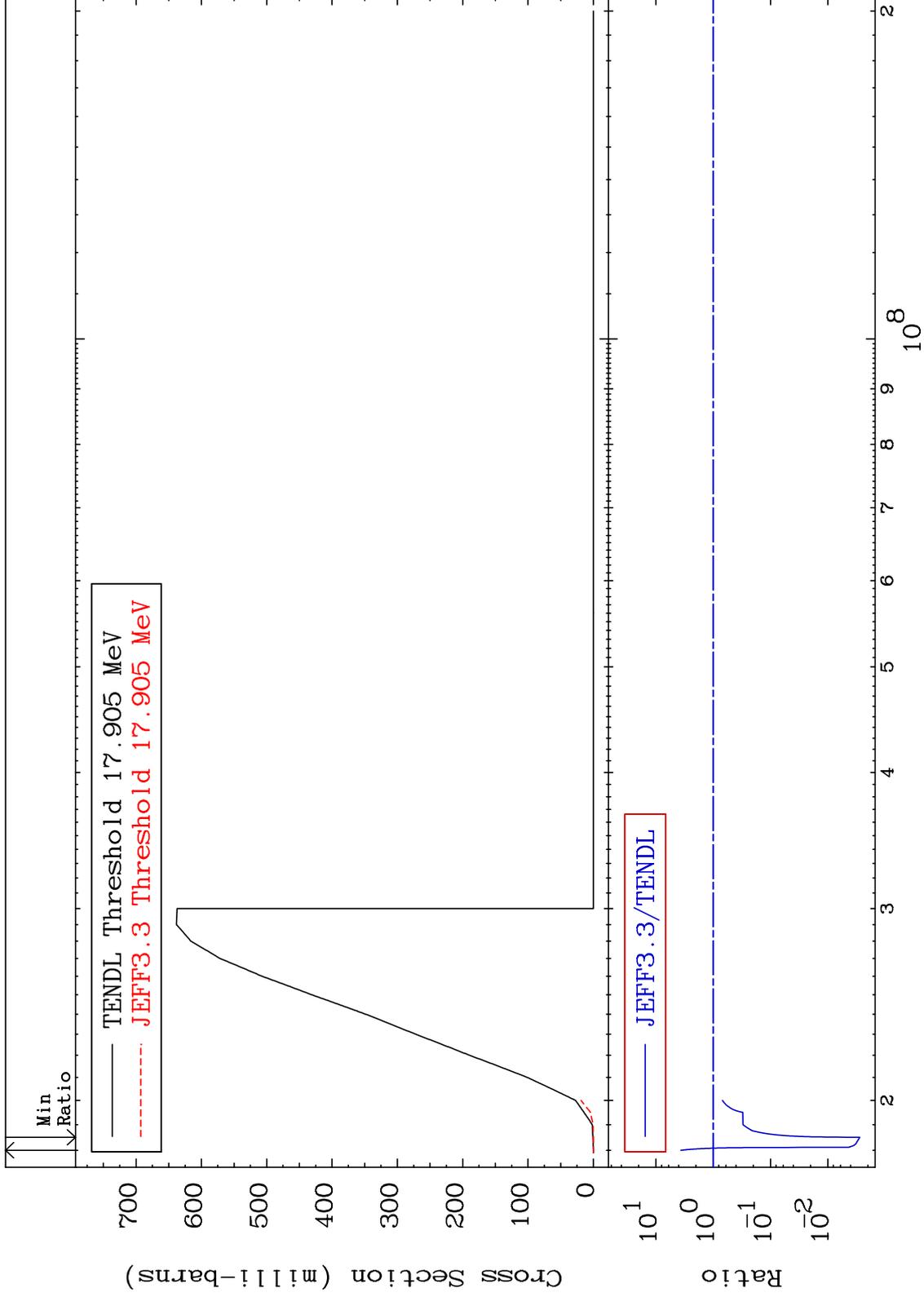
MAT 9031

(n, 4n)

90-Th-229

Cross Section

-99.72 To 266.6 %



10

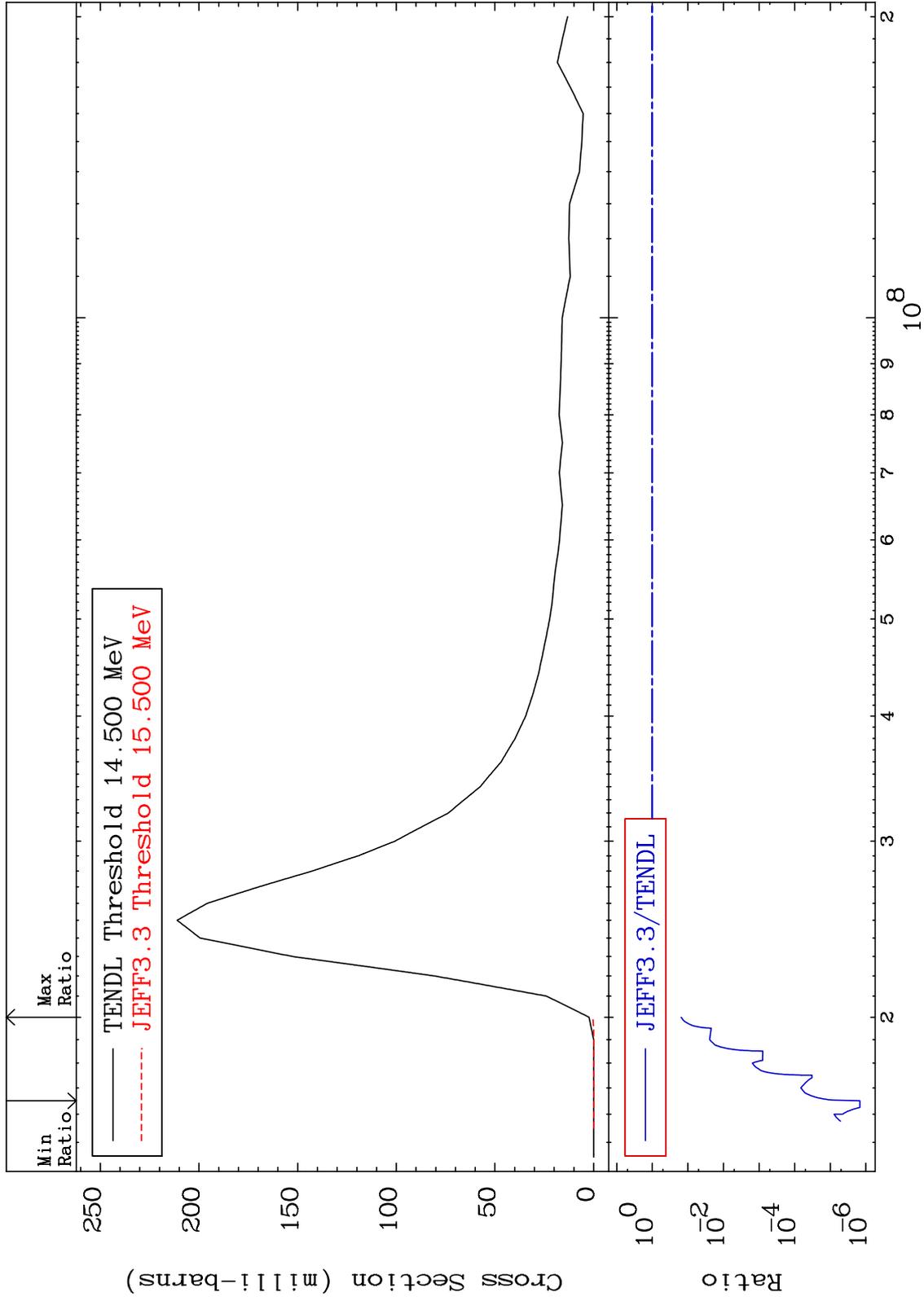
Incident Energy (eV)

90-Th-229

MAT 9031

(n,3nf) Fourth Chance
Cross Section

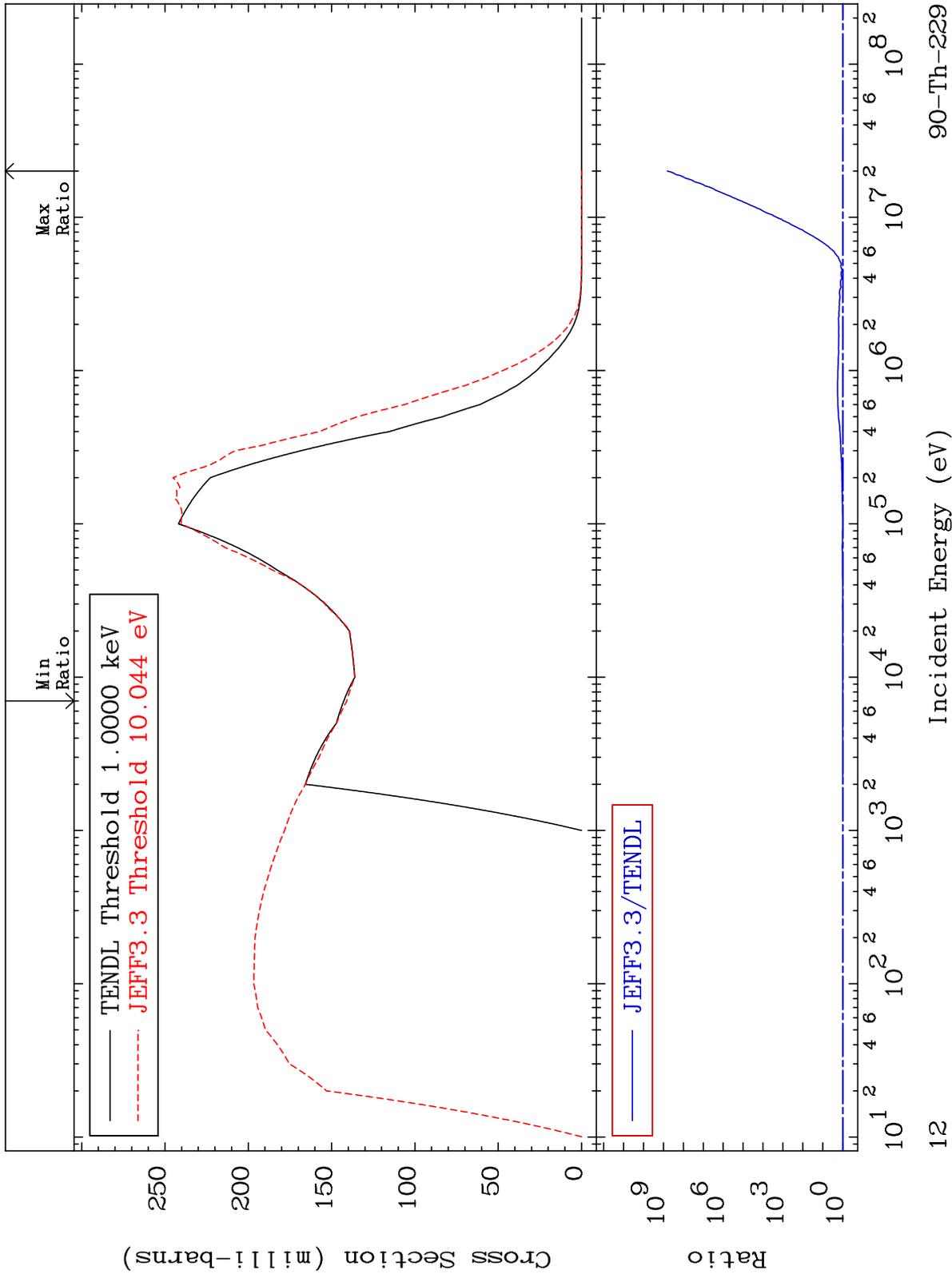
90-Th-229
-100.0 To -84.50%



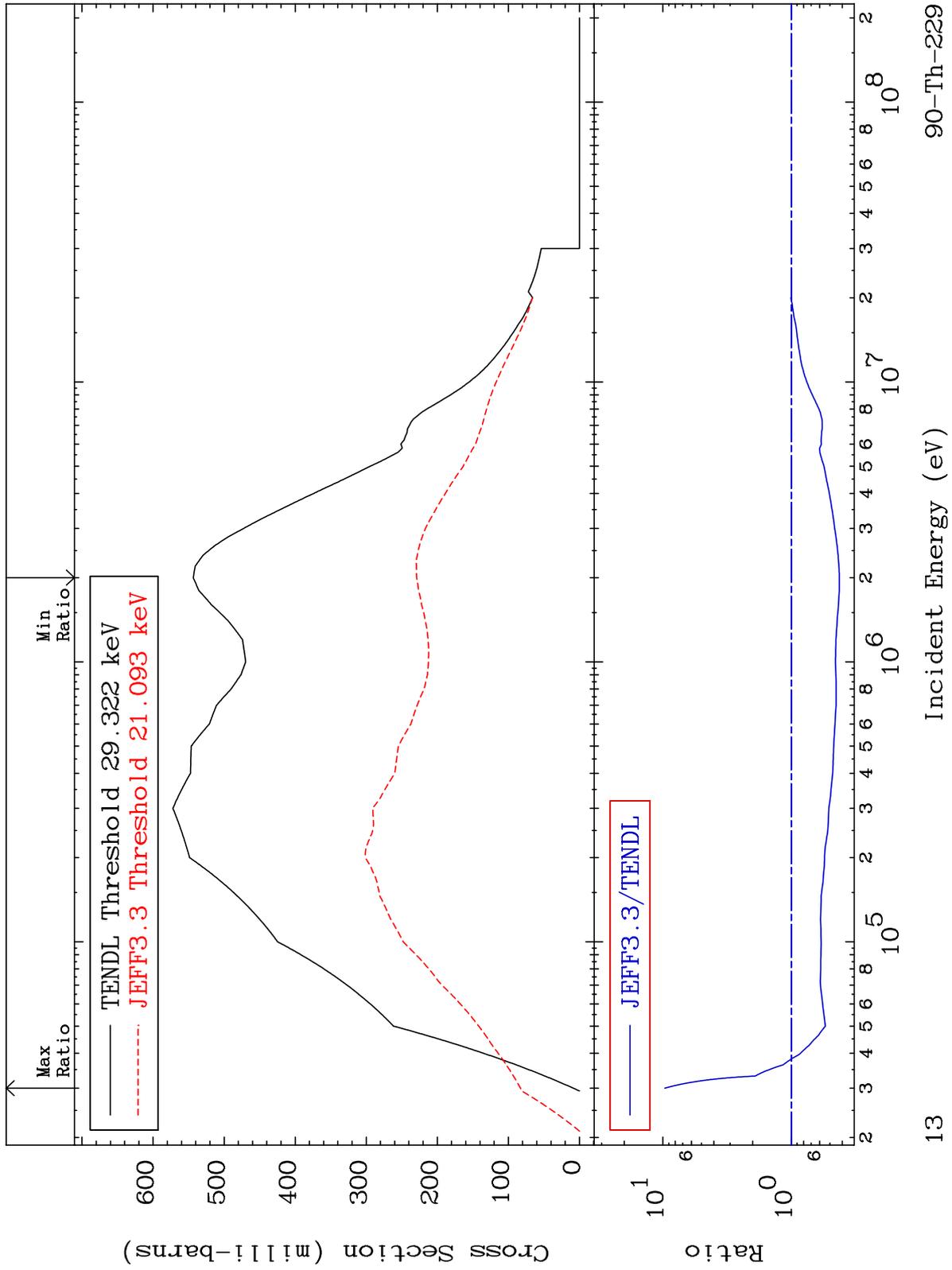
MAT 9031

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 -57.84 To 865.5 %

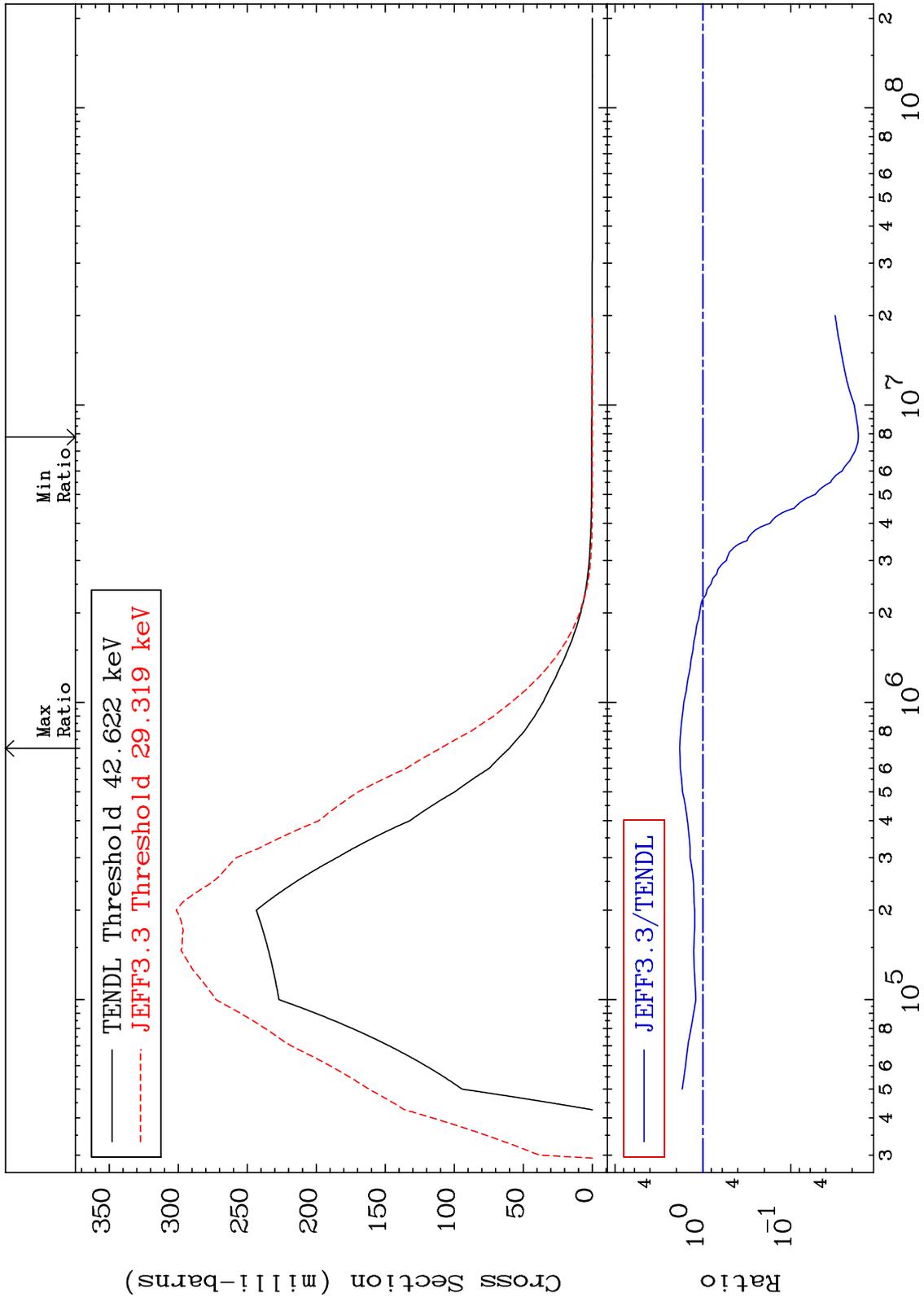


90-Th-229

MAT 9031

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

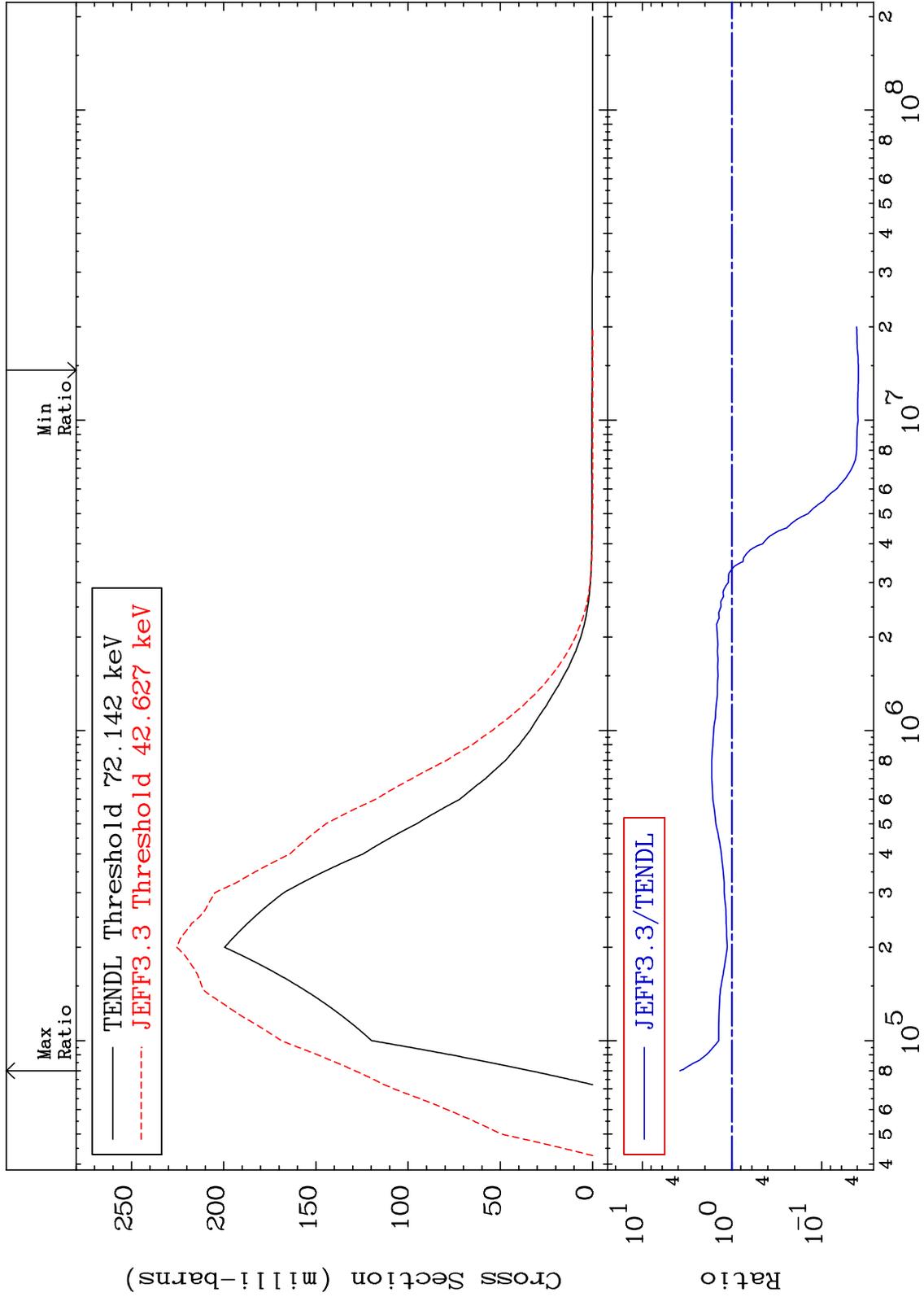
90-Th-229
-98.30 To 83.23 %



MAT 9031

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

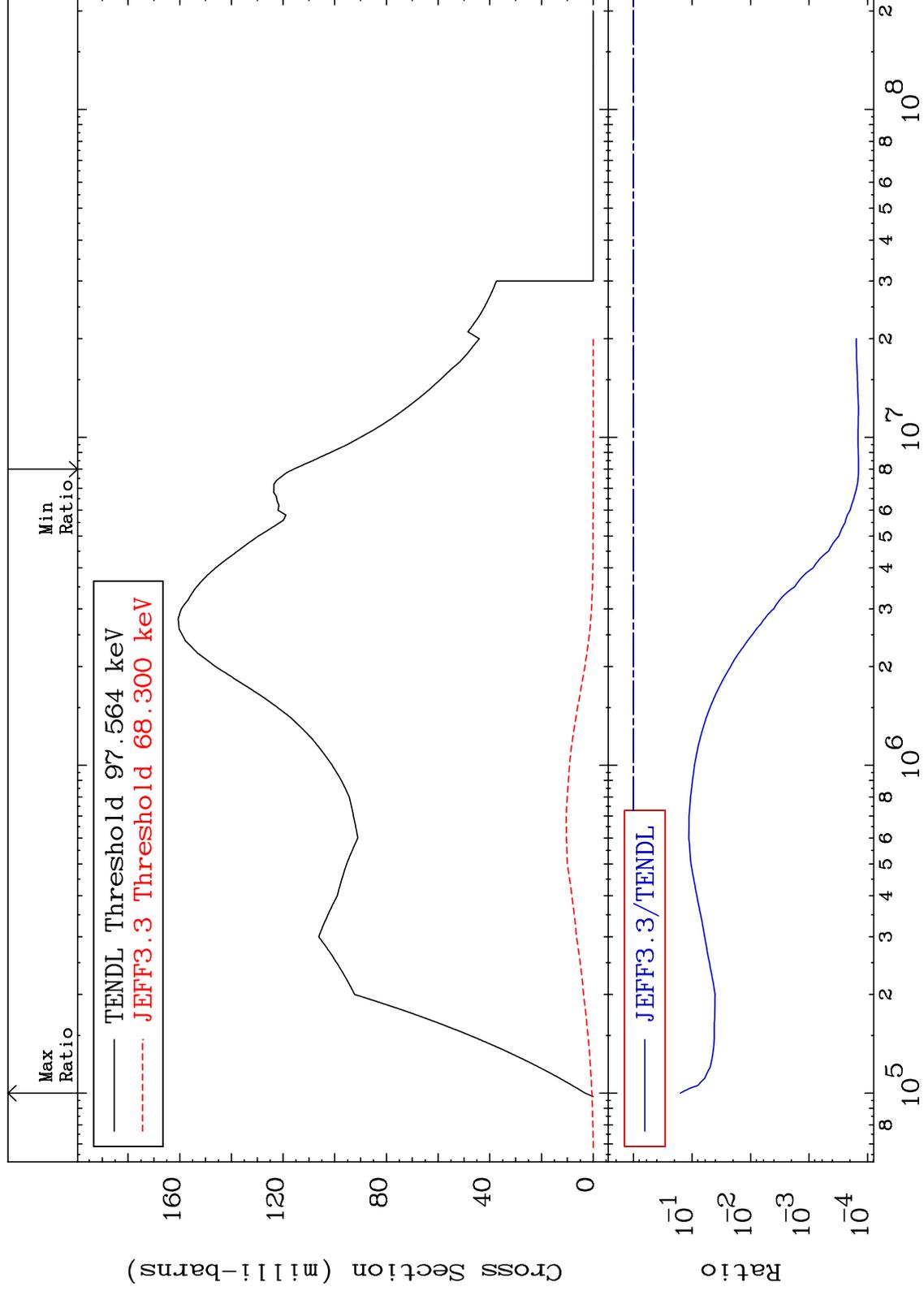
90-Th-229
-96.11 To 281.4 %



MAT 9031

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

90-Th-229
-99.99 To -84.15%



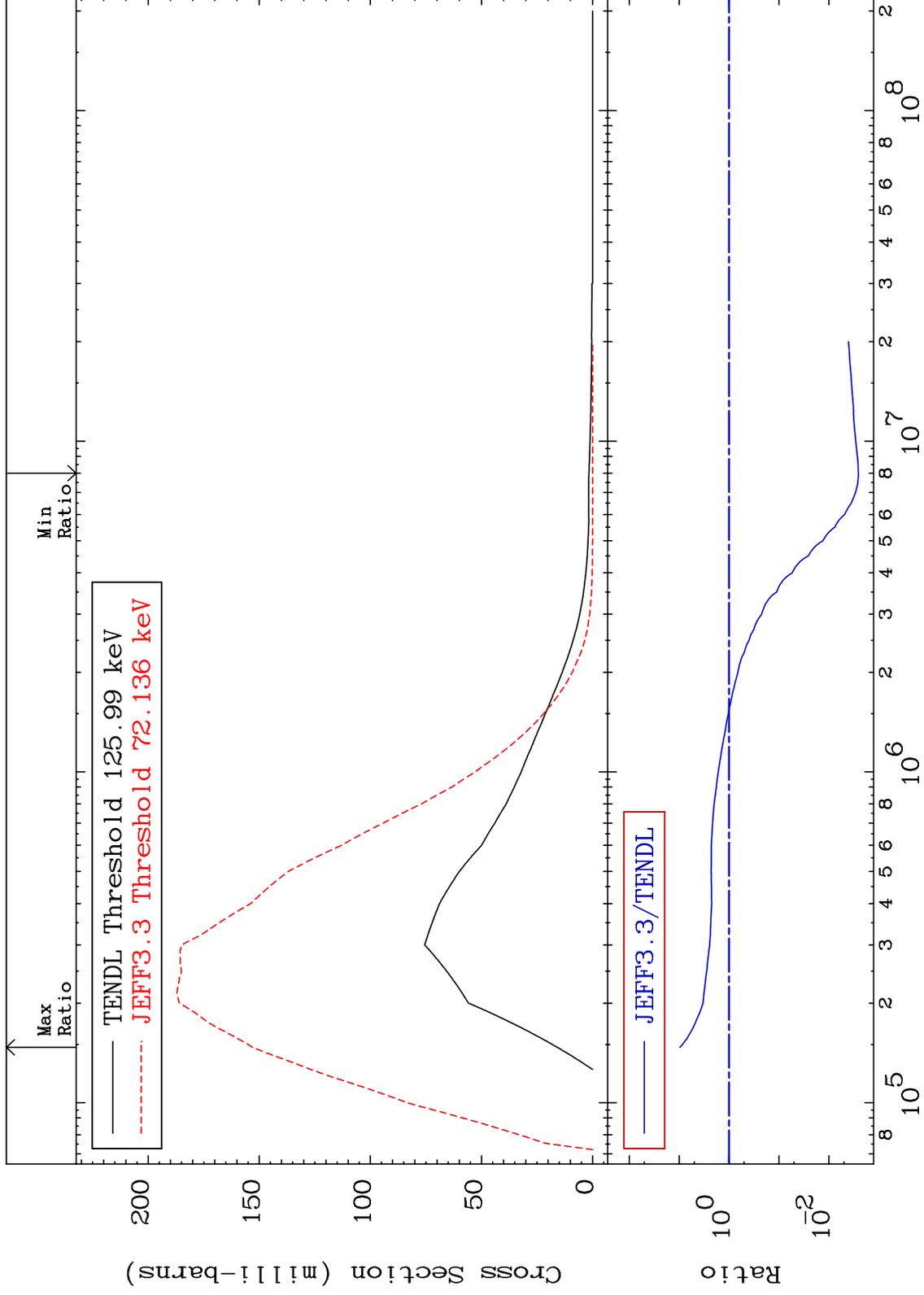
16

90-Th-229

MAT 9031

MT= 56 (n,n') Level
Cross Section

90-Th-229
-99.74 To 864.9 %



17

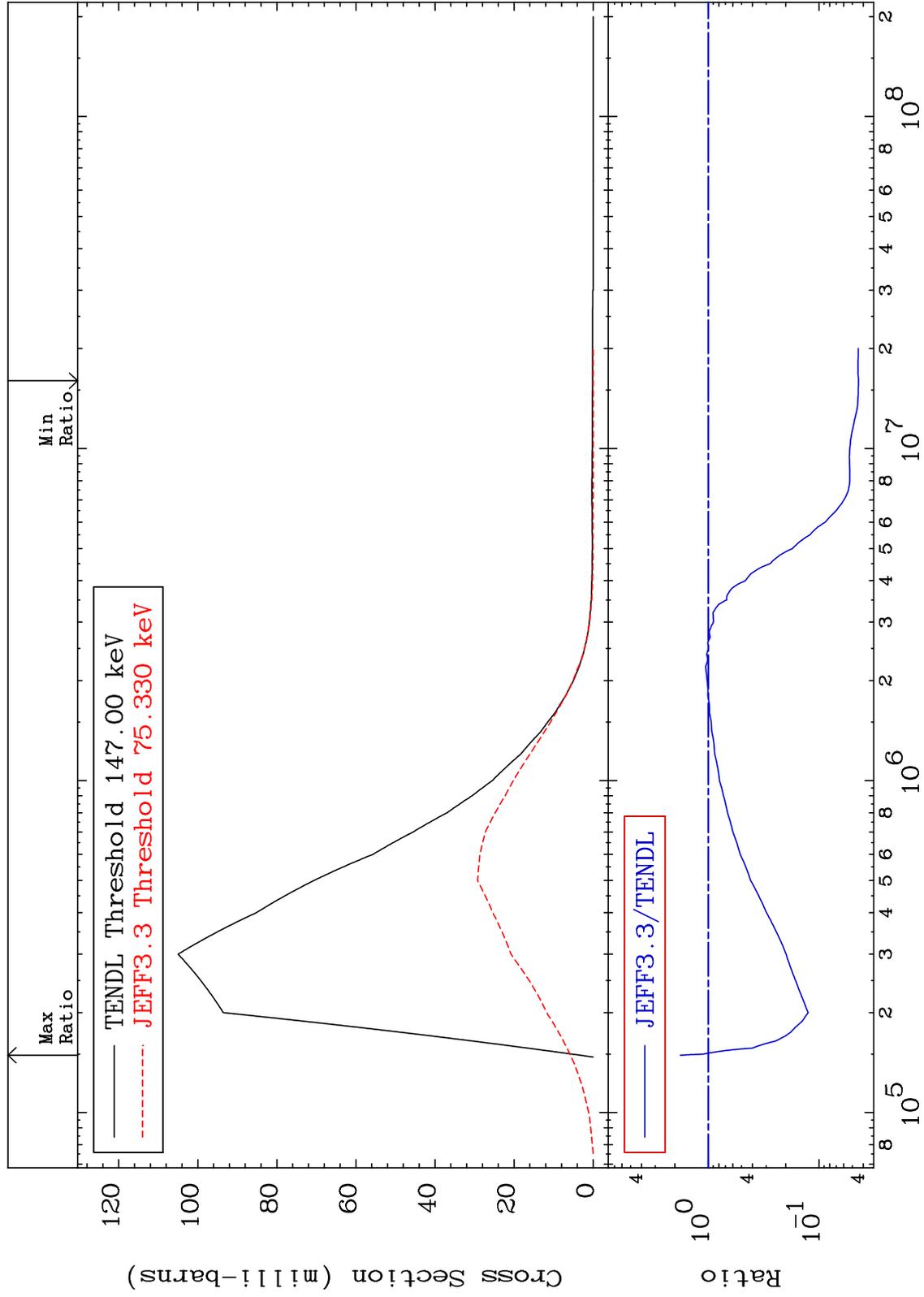
Incident Energy (eV)

90-Th-229

MAT 9031

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

90-Th-229
-95.59 To 78.28 %



18

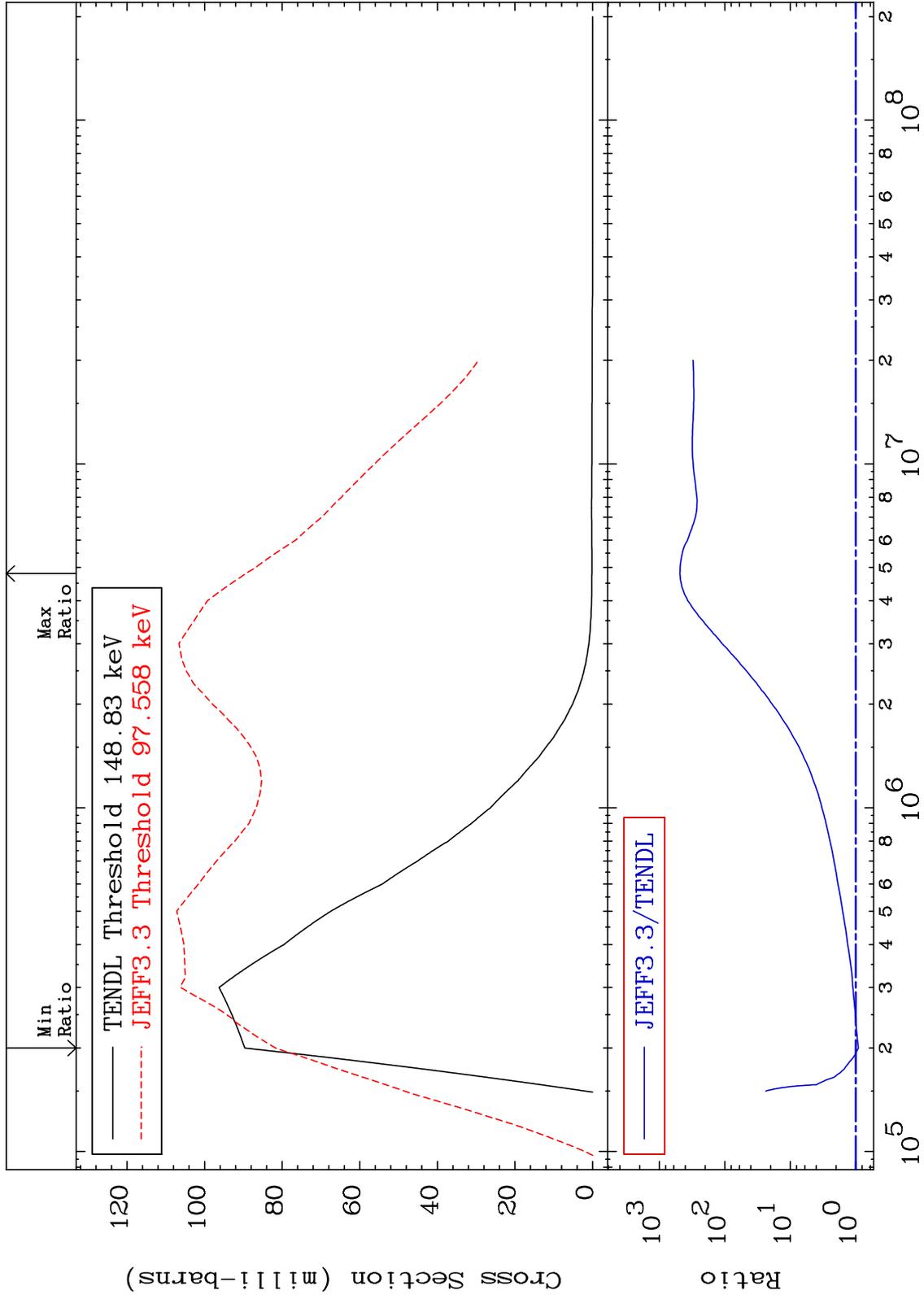
Incident Energy (eV)

90-Th-229

MAT 9031

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

90-Th-229
-8.872 To 9999. %



19

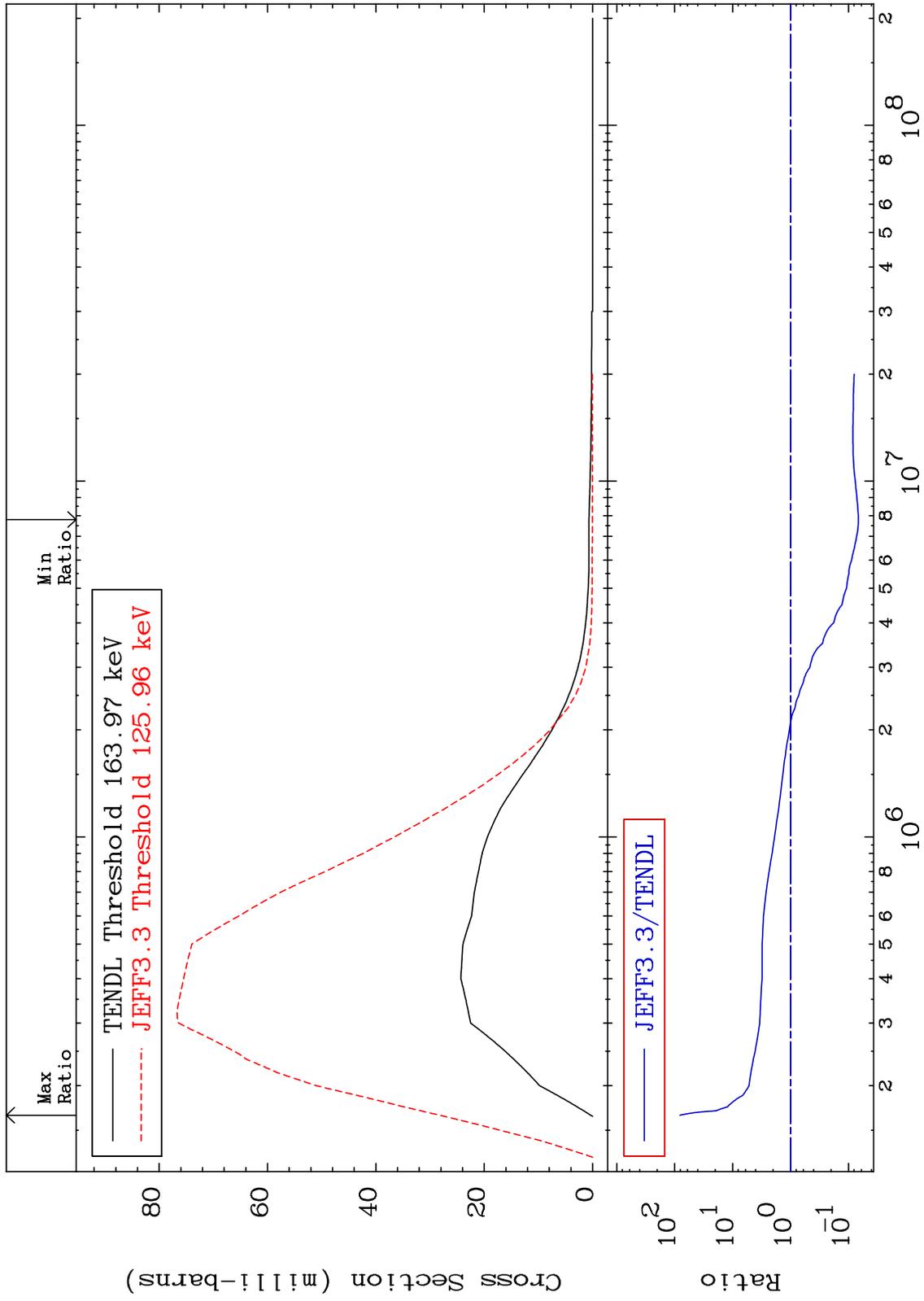
Incident Energy (eV)

90-Th-229

MAT 9031

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

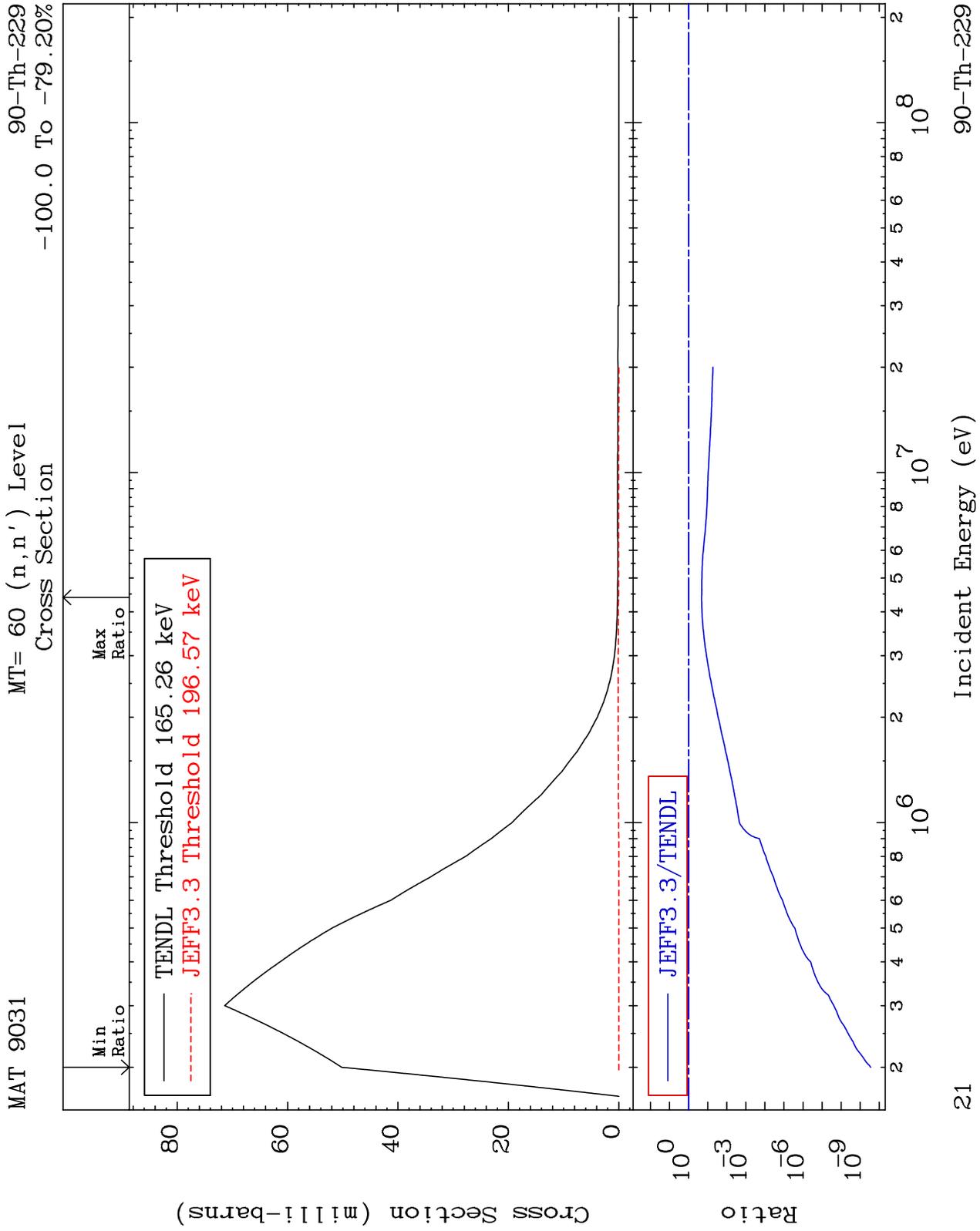
90-Th-229
-93.26 To 8008. %



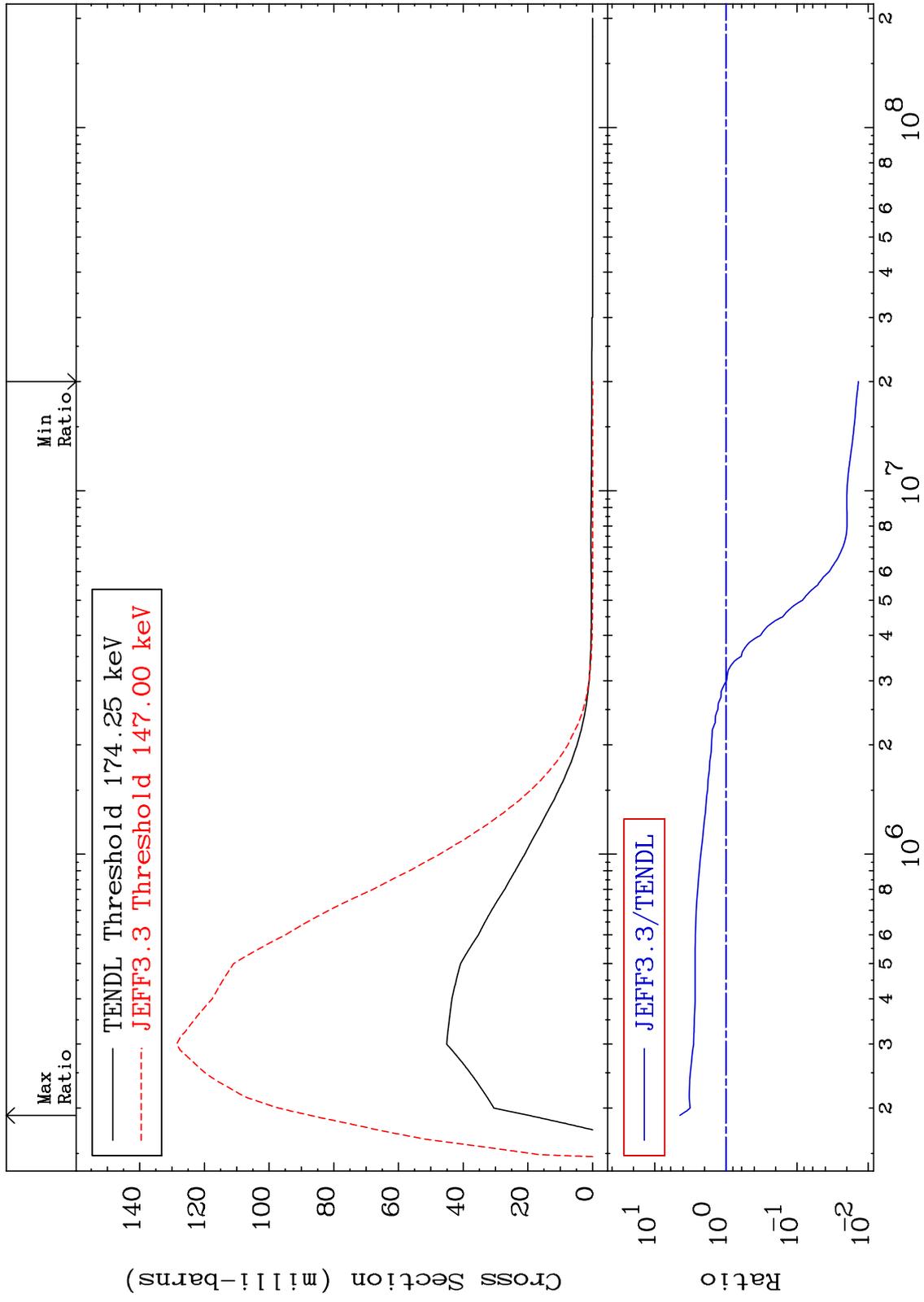
20

Incident Energy (eV)

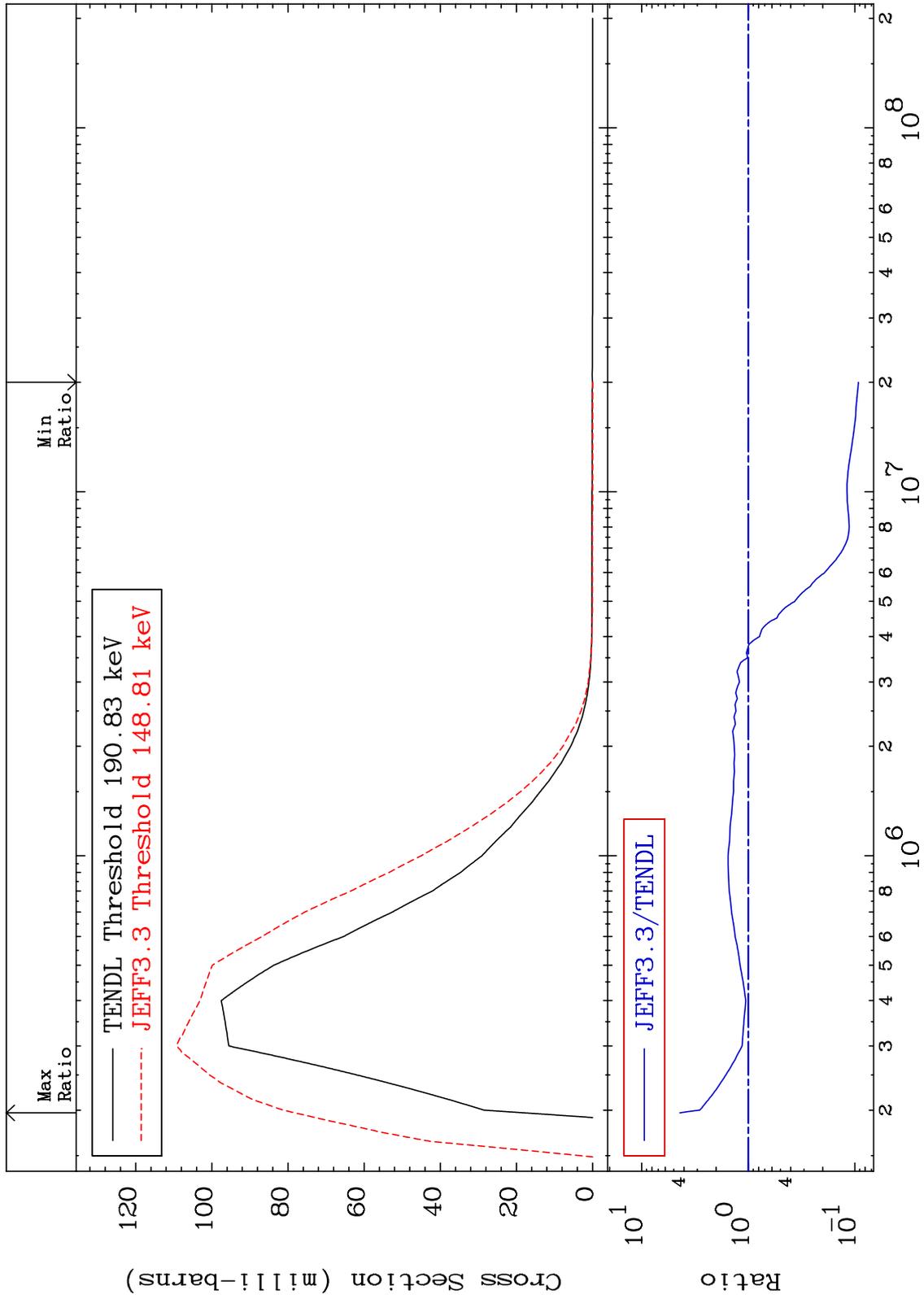
90-Th-229



MAT 9031 MT= 61 (n,n') Level 90-Th-229
 Cross Section -98.63 To 343.5 %



MAT 9031 MT= 62 (n,n') Level 90-Th-229
 Cross Section -90.73 To 337.6 %



— TENDL Threshold 190.83 keV
 - - - JEFF3.3 Threshold 148.81 keV

— JEFF3.3/TENDL

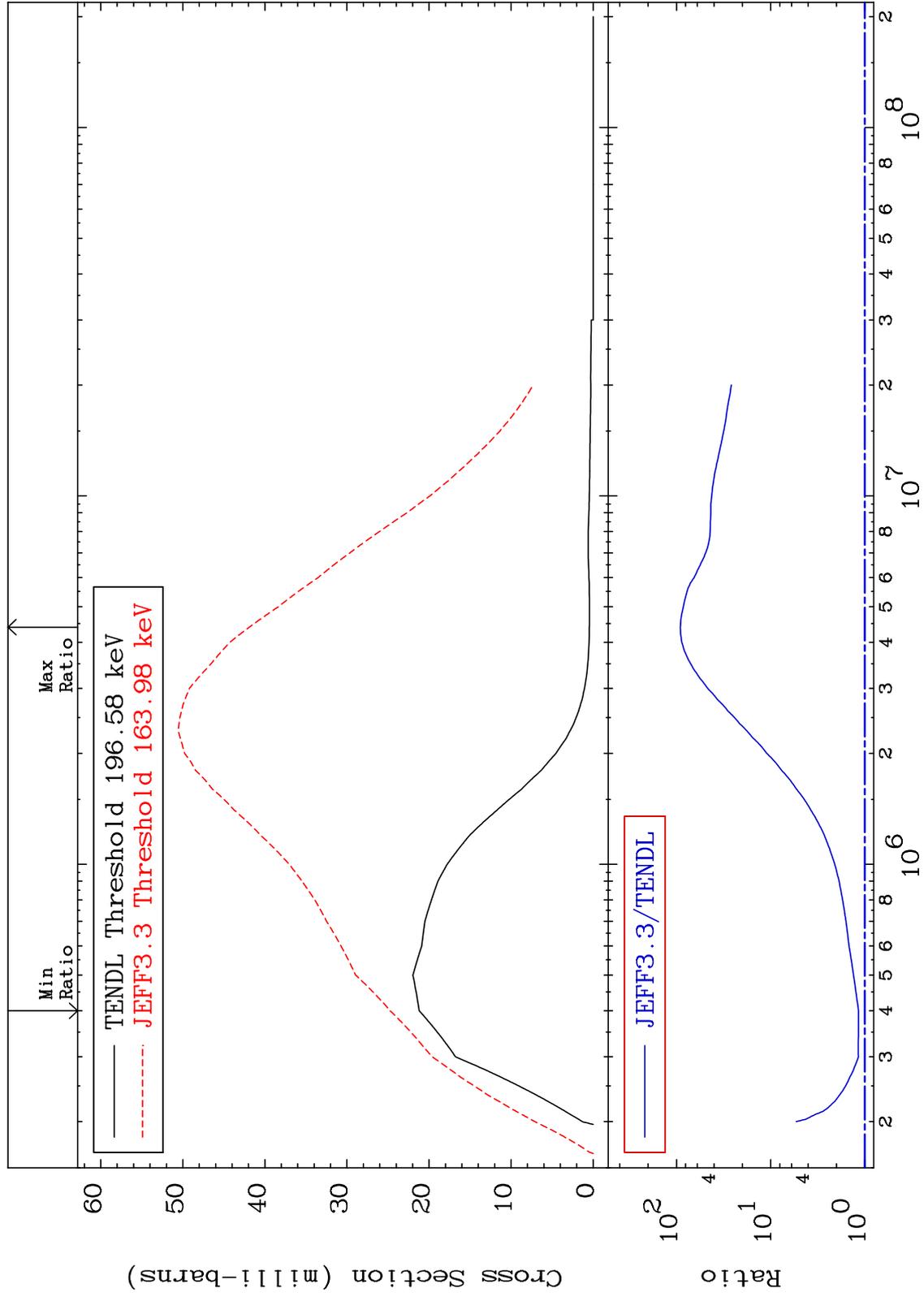
MAT 9031

MT= 63 (n,n') Level

90-Th-229

16.65 To 8996. %

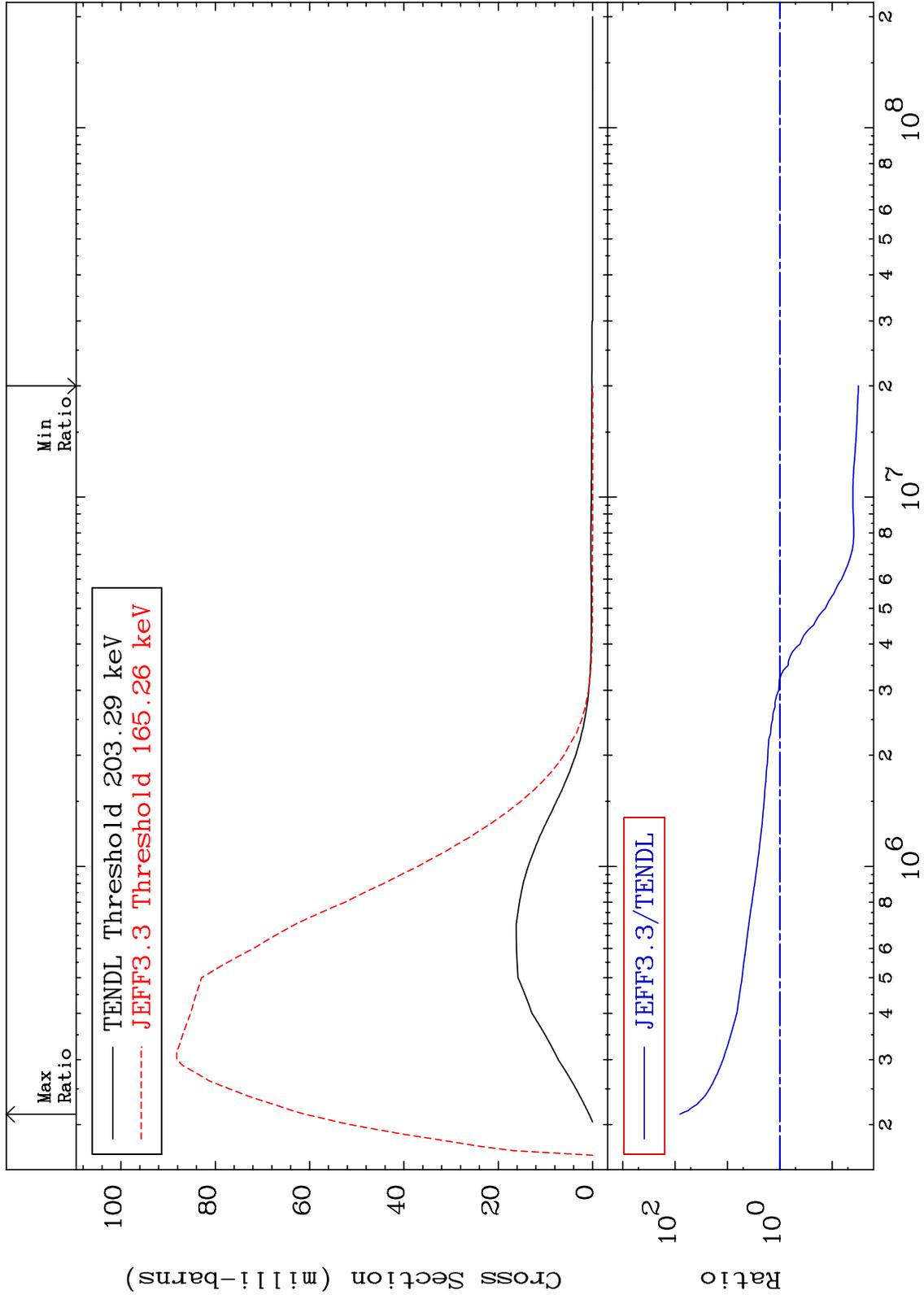
Cross Section



MAT 9031

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

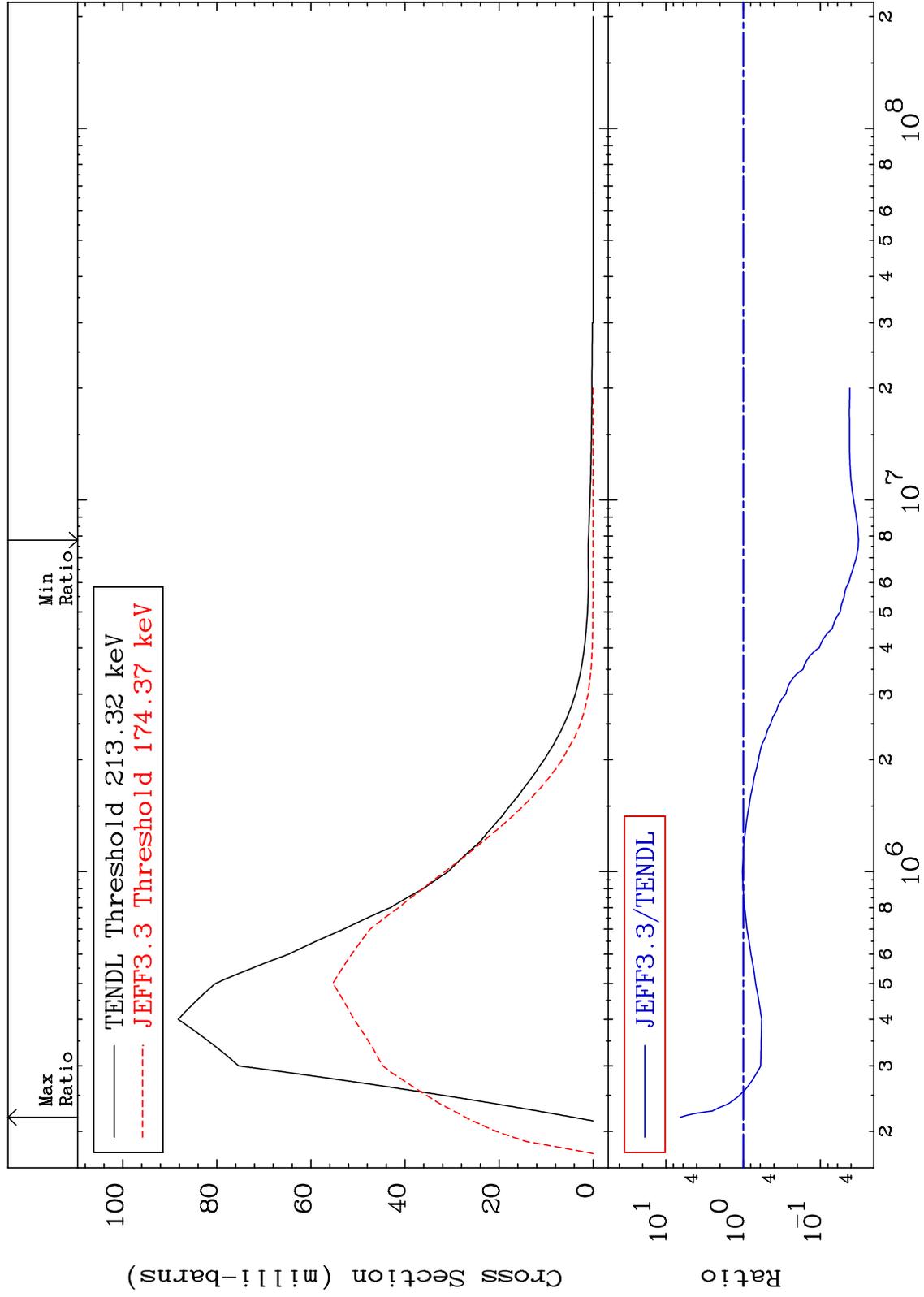
90-Th-229
-96.86 To 7975. %



MAT 9031

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

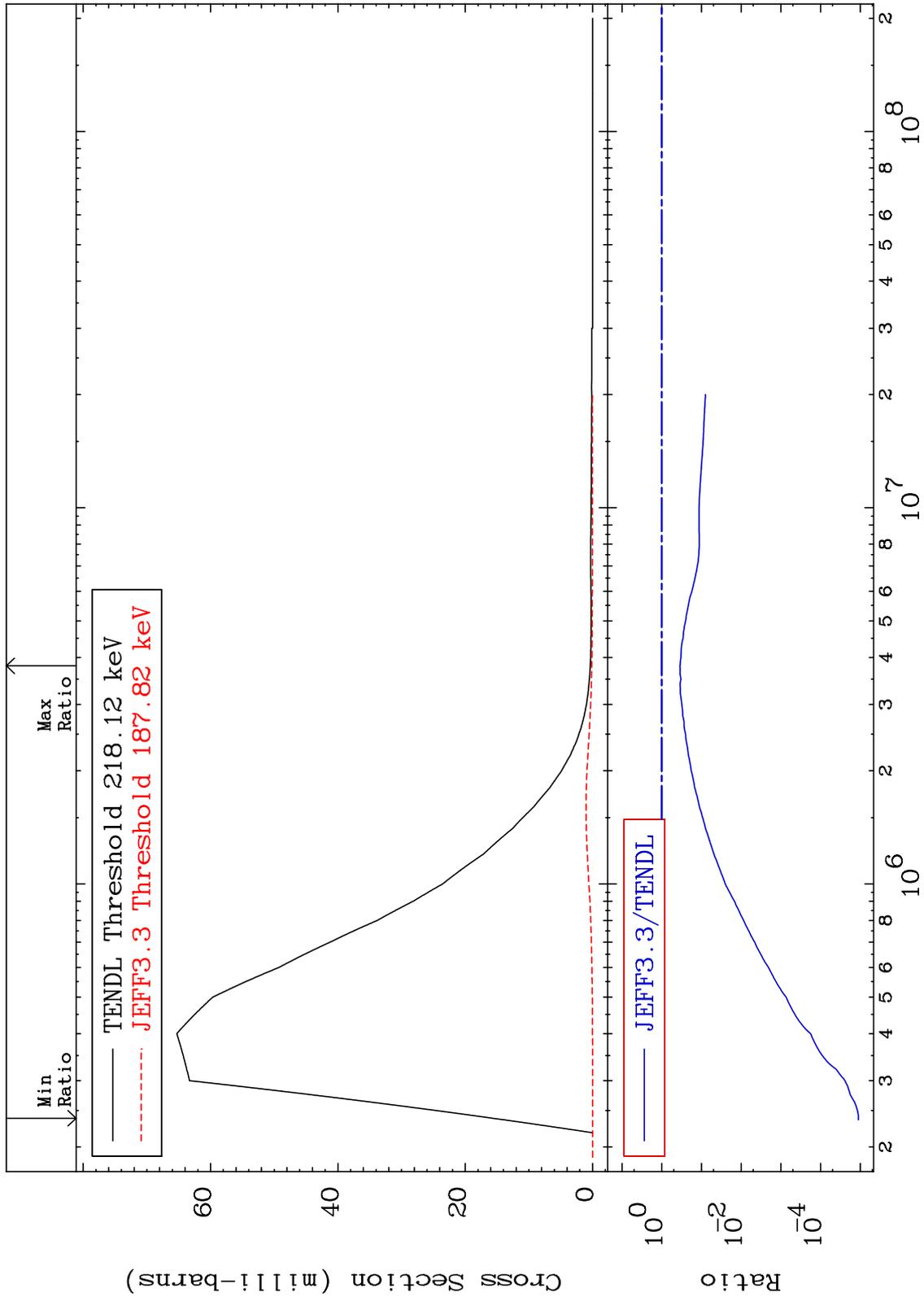
90-Th-229
-96.79 To 550.0 %



MAT 9031

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

90-Th-229
-100.0 To -65.22%

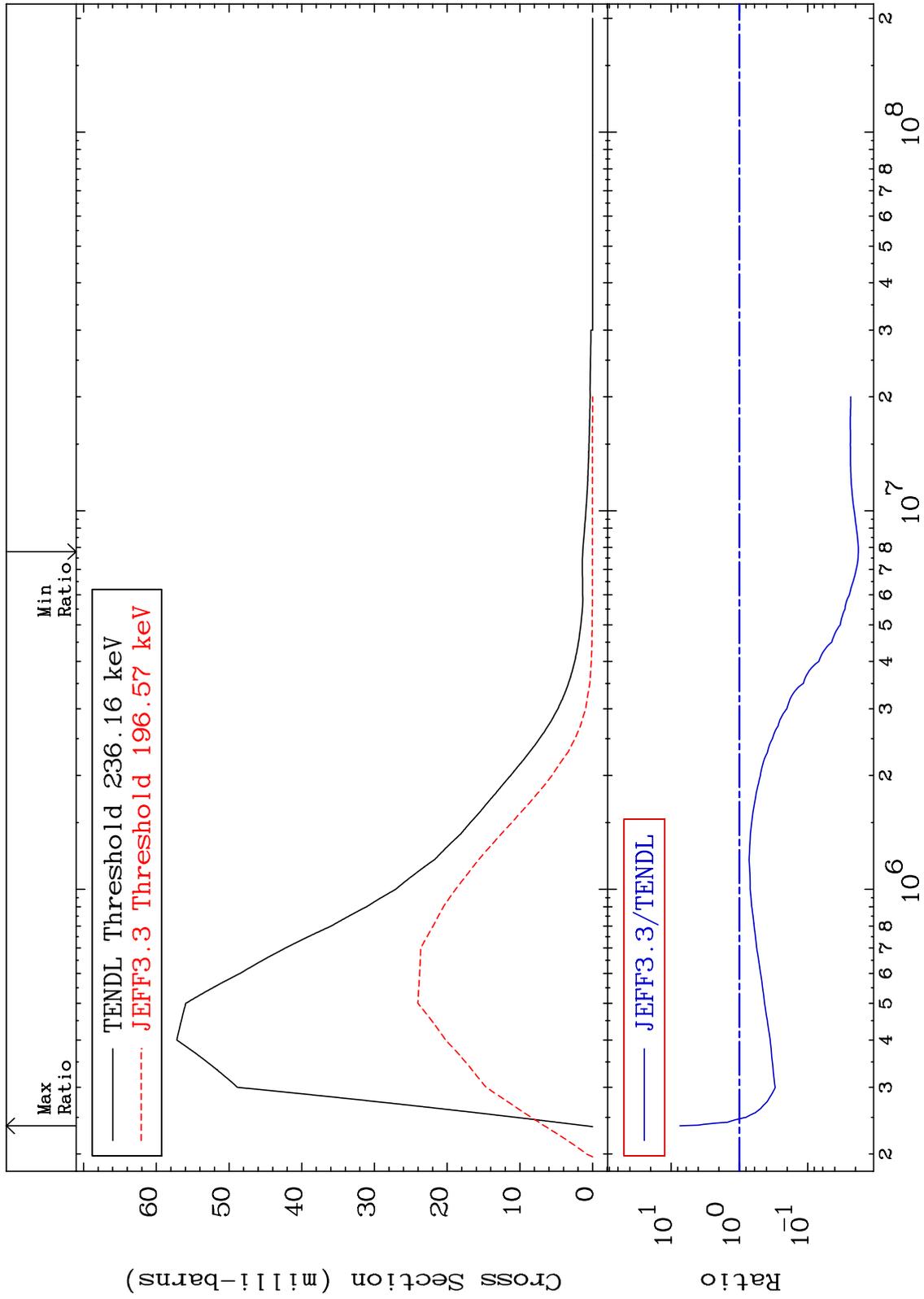


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Incident Energy (eV)

90-Th-229

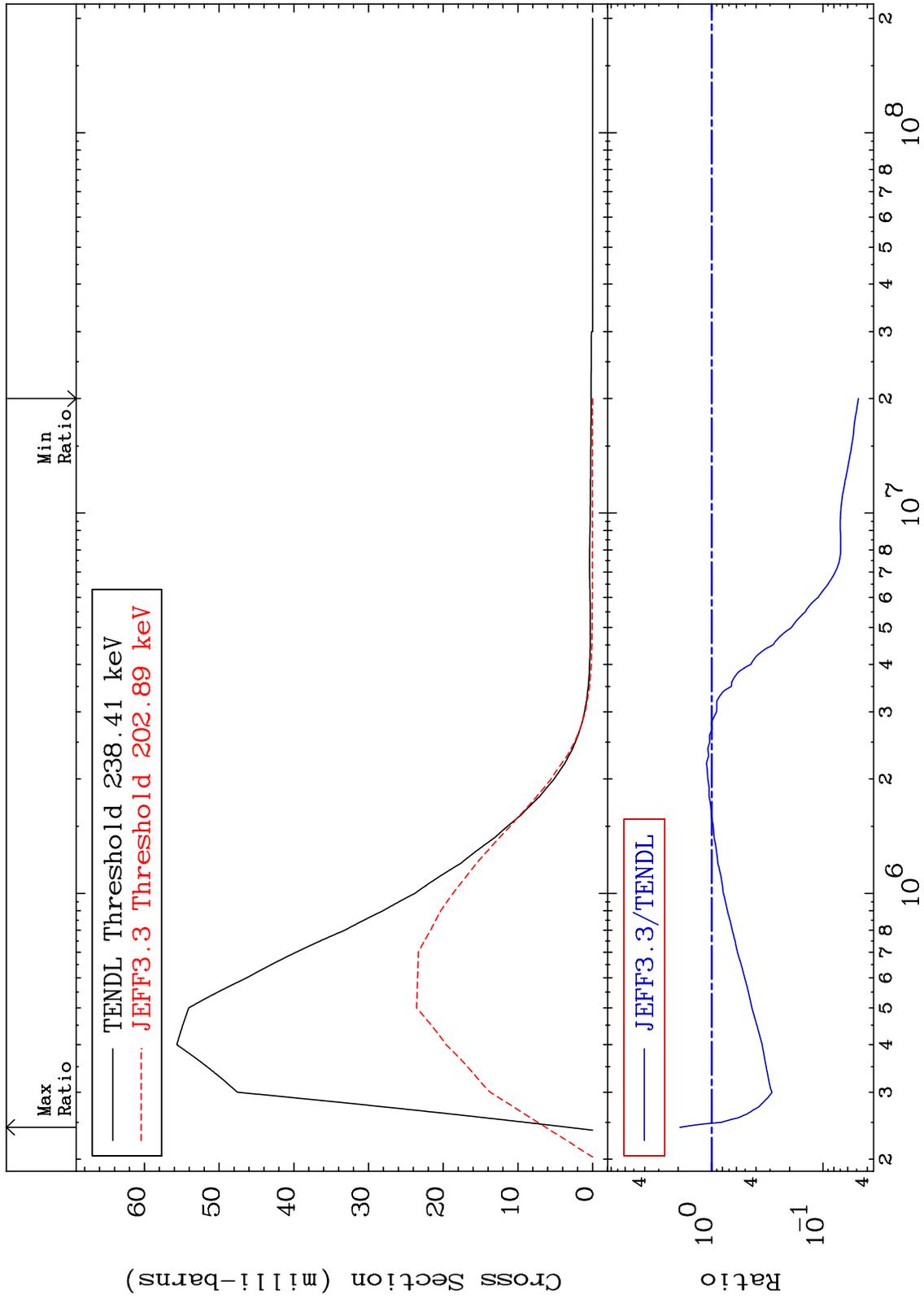
MAT 9031 MT= 67 (n, n') Level Cross Section 90-Th-229 -98.19 To 642.8 %



MAT 9031

MT= 68 (n,n') Level
Cross Section

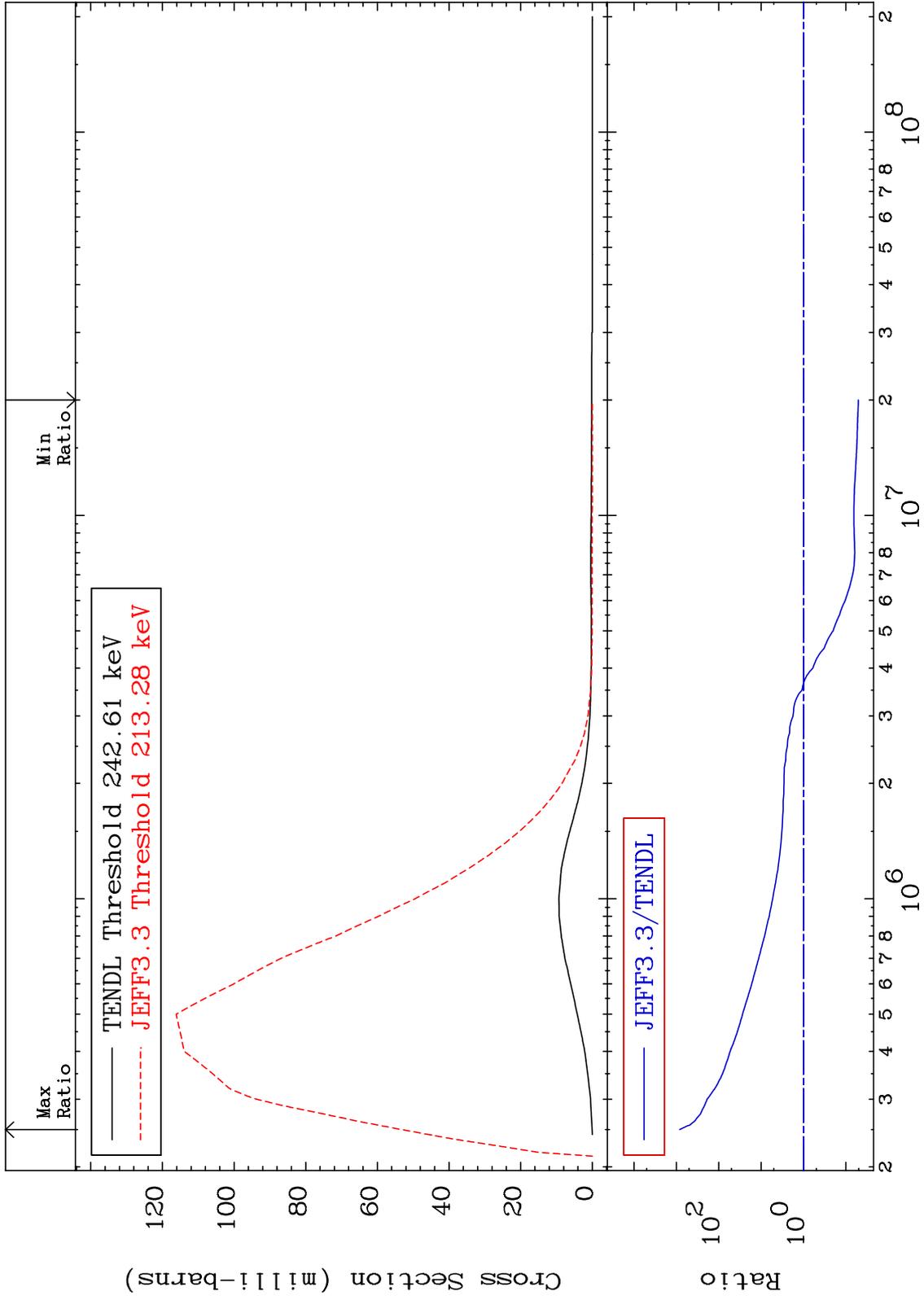
90-Th-229
-95.19 To 92.93 %



MAT 9031

MT= 69 (n,n') Level
Cross Section

90-Th-229
-94.91 To 9999. %



30

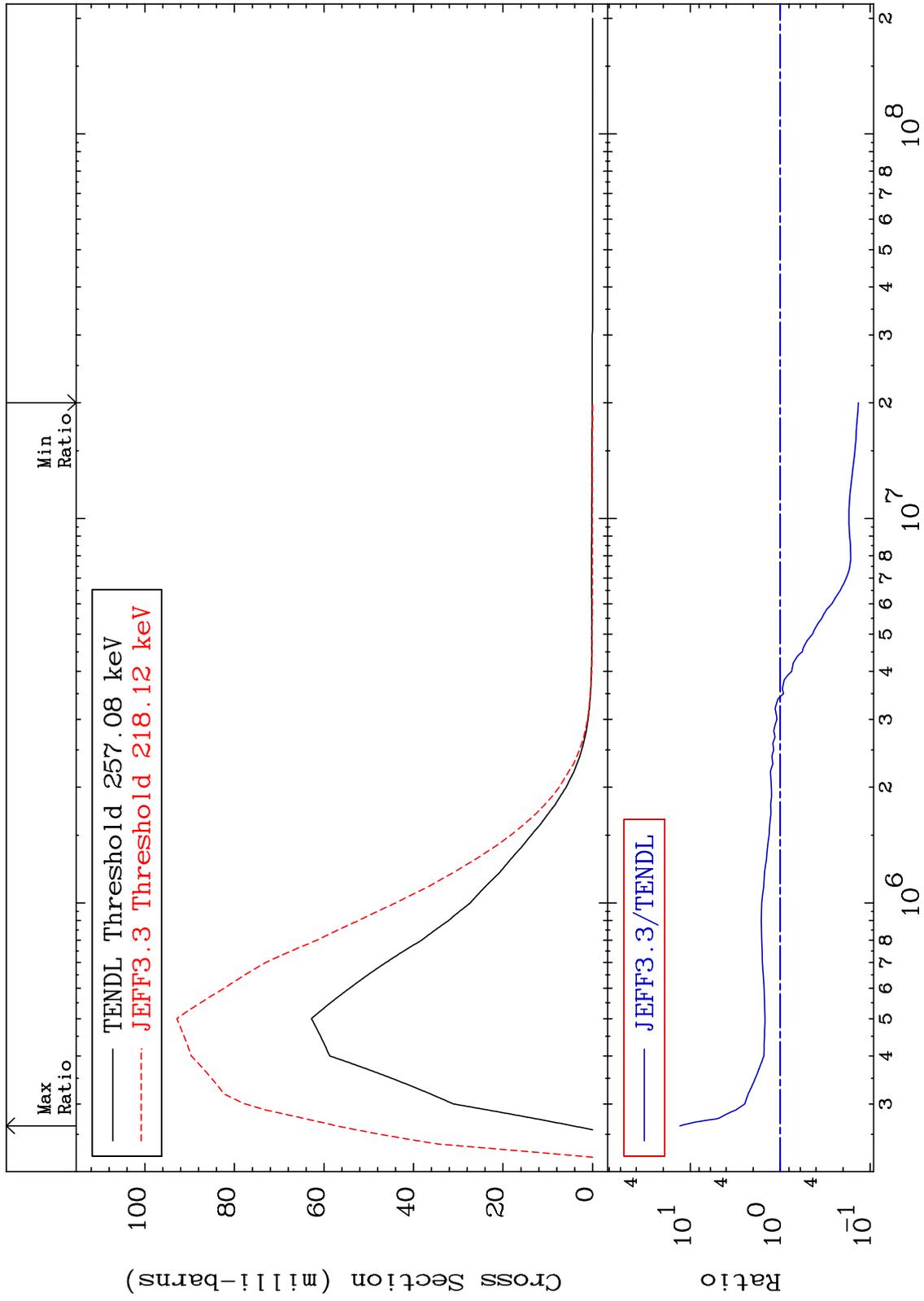
Incident Energy (eV)

90-Th-229

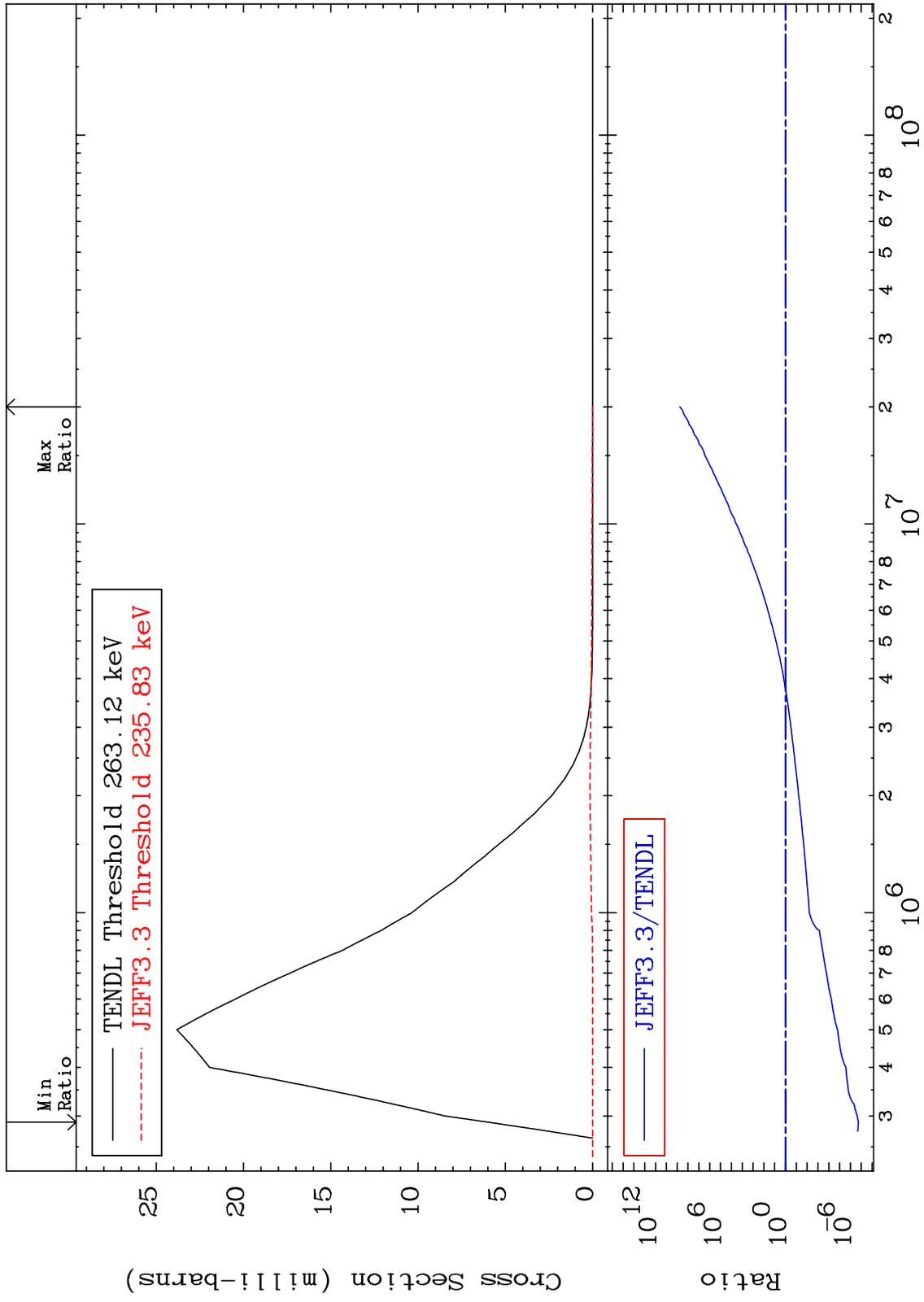
MAT 9031

MT= 70 (n,n') Level
Cross Section

90-Th-229
-86.48 To 1208. %



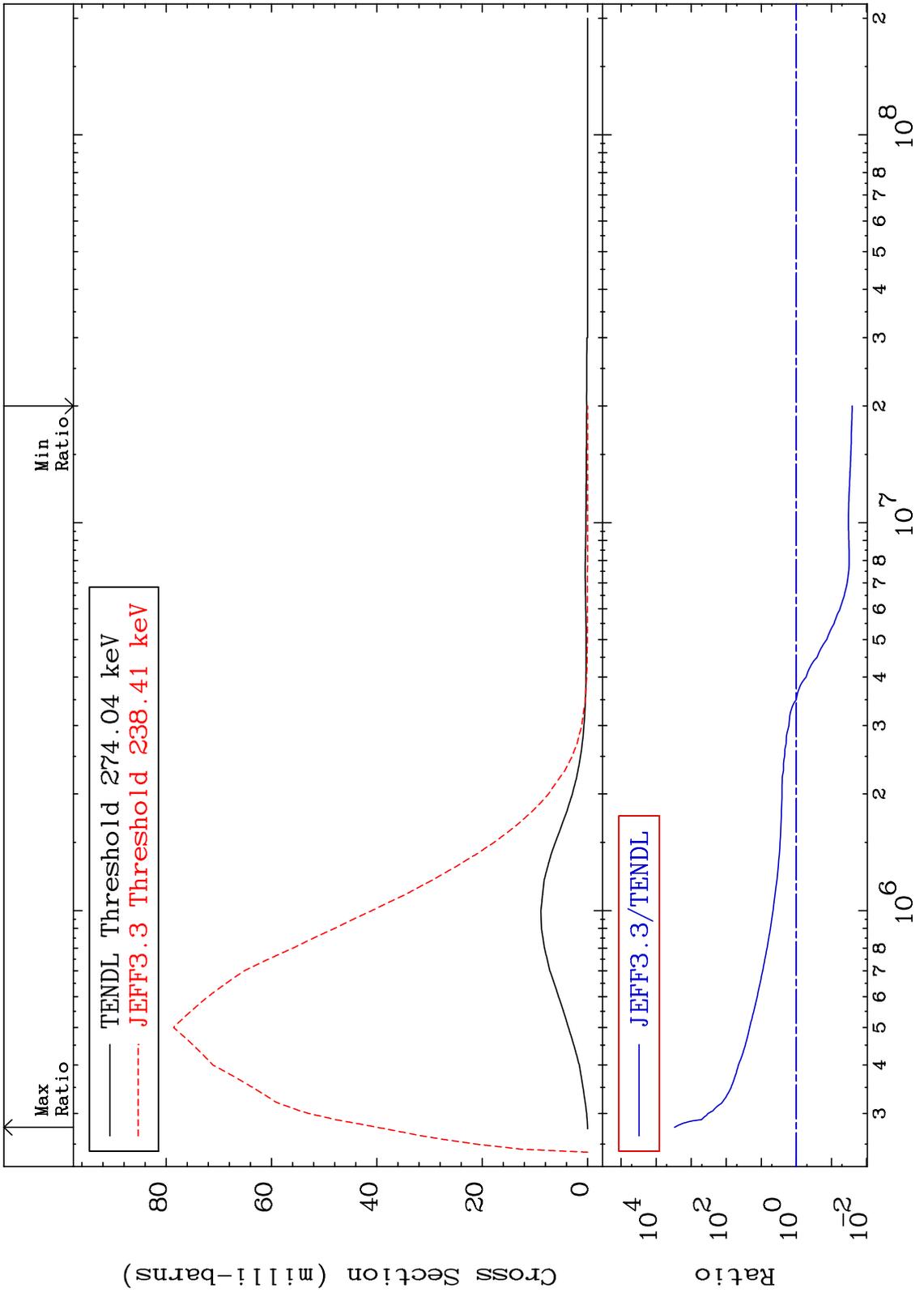
MAT 9031 MT= 71 (n,n') Level Cross Section -100.0 To 9999. % 90-Th-229



MAT 9031

MT= 72 (n,n') Level
Cross Section

90-Th-229
-97.45 To 9999. %



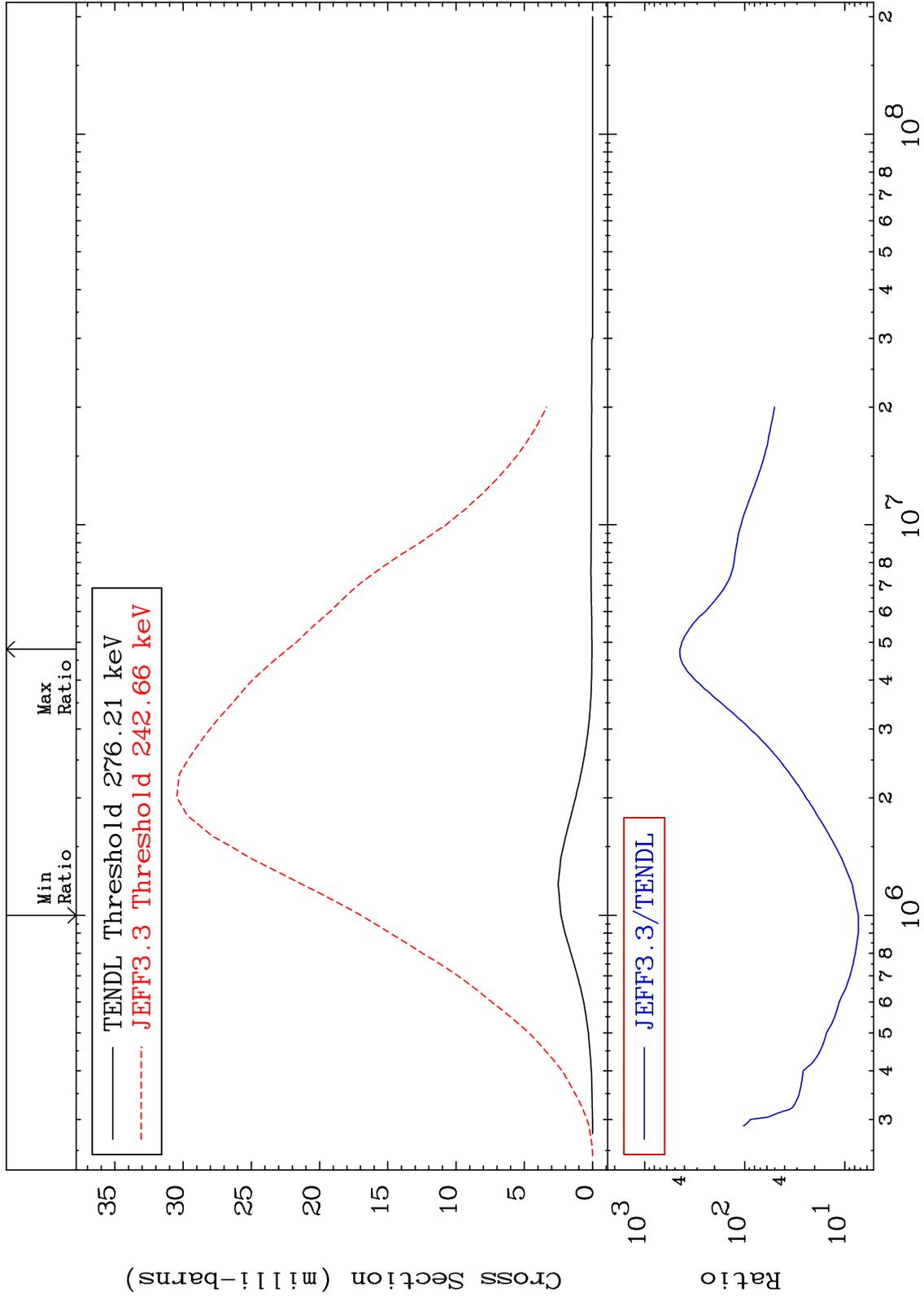
MAT 9031

MT= 73 (n,n') Level

90-Th-229

632.3 To 9999. %

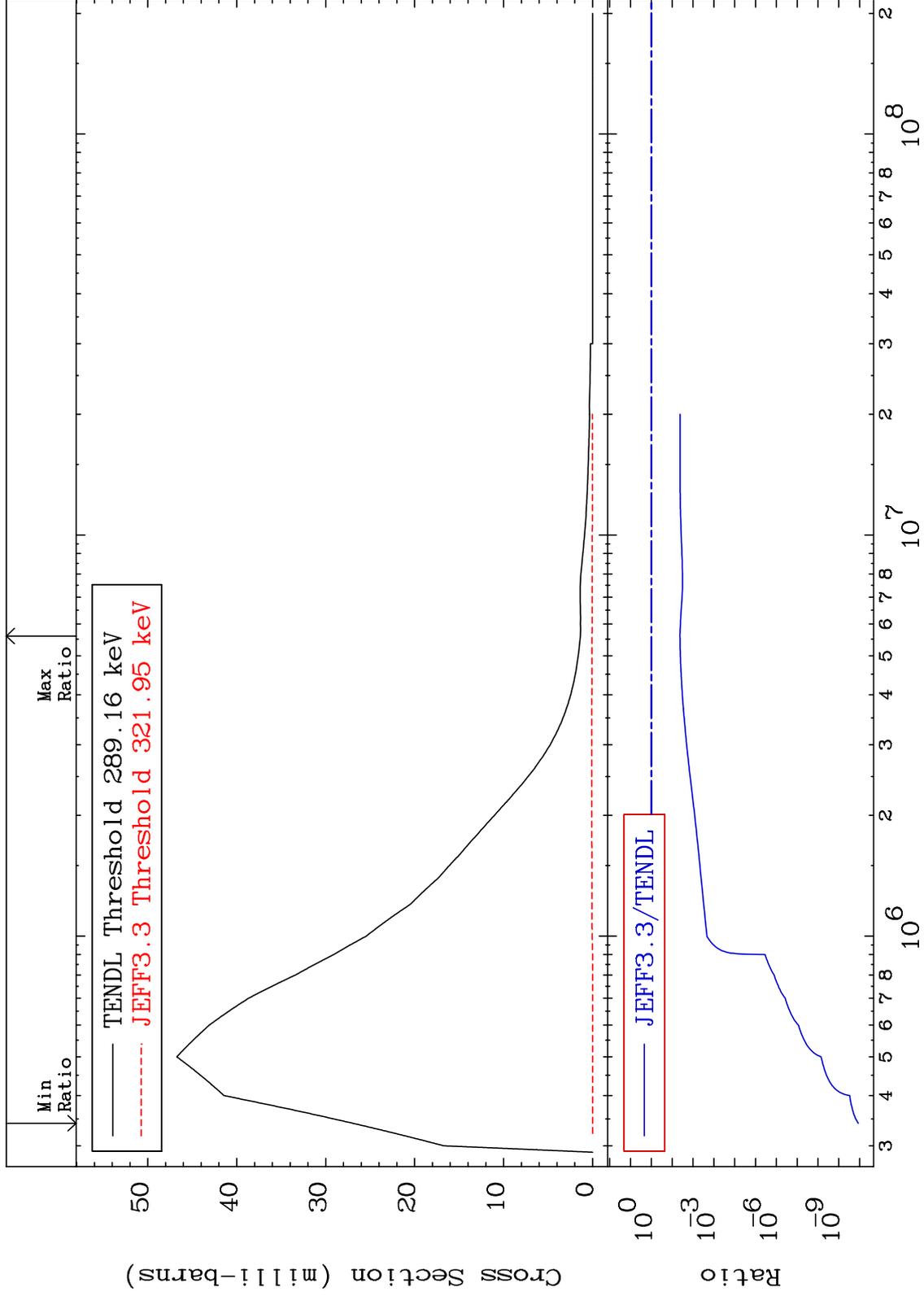
Cross Section



MAT 9031

MT= 74 (n,n') Level
Cross Section

90-Th-229
-100.0 To -95.75%



35

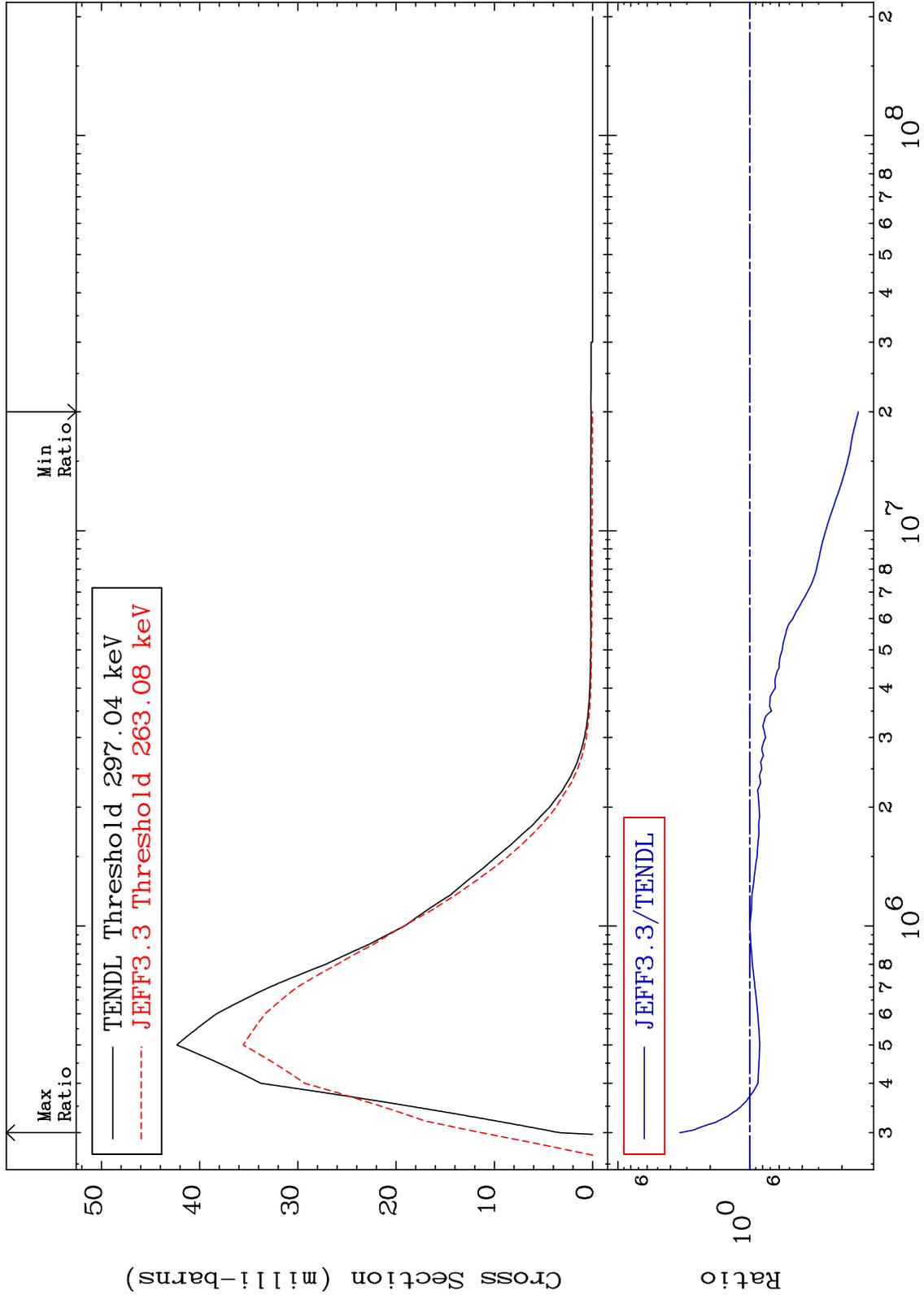
Incident Energy (eV)

90-Th-229

MAT 9031

MT= 75 (n,n') Level
Cross Section

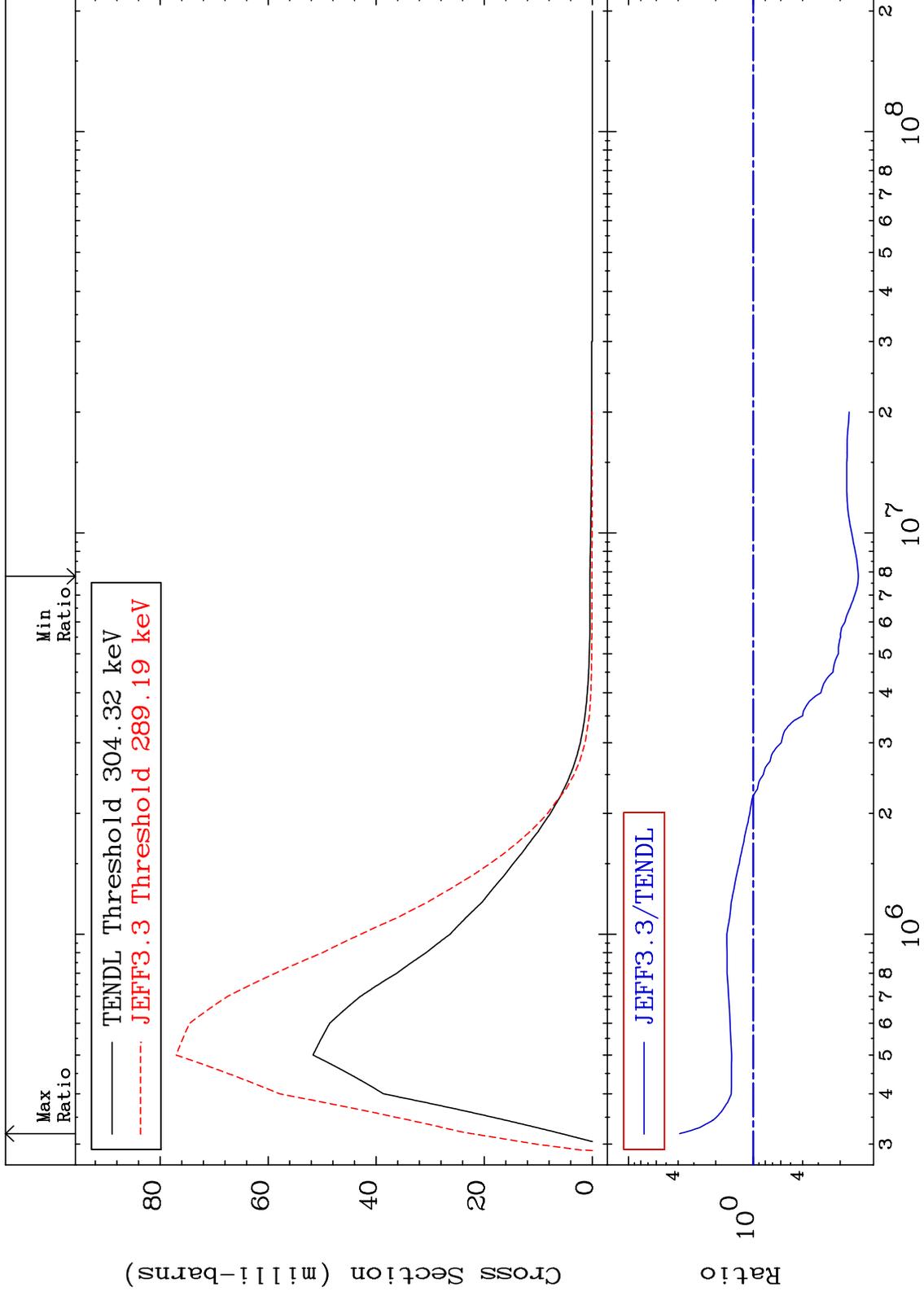
90-Th-229
-84.99 To 238.6 %



MAT 9031

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

90-Th-229
-85.71 To 288.8 %



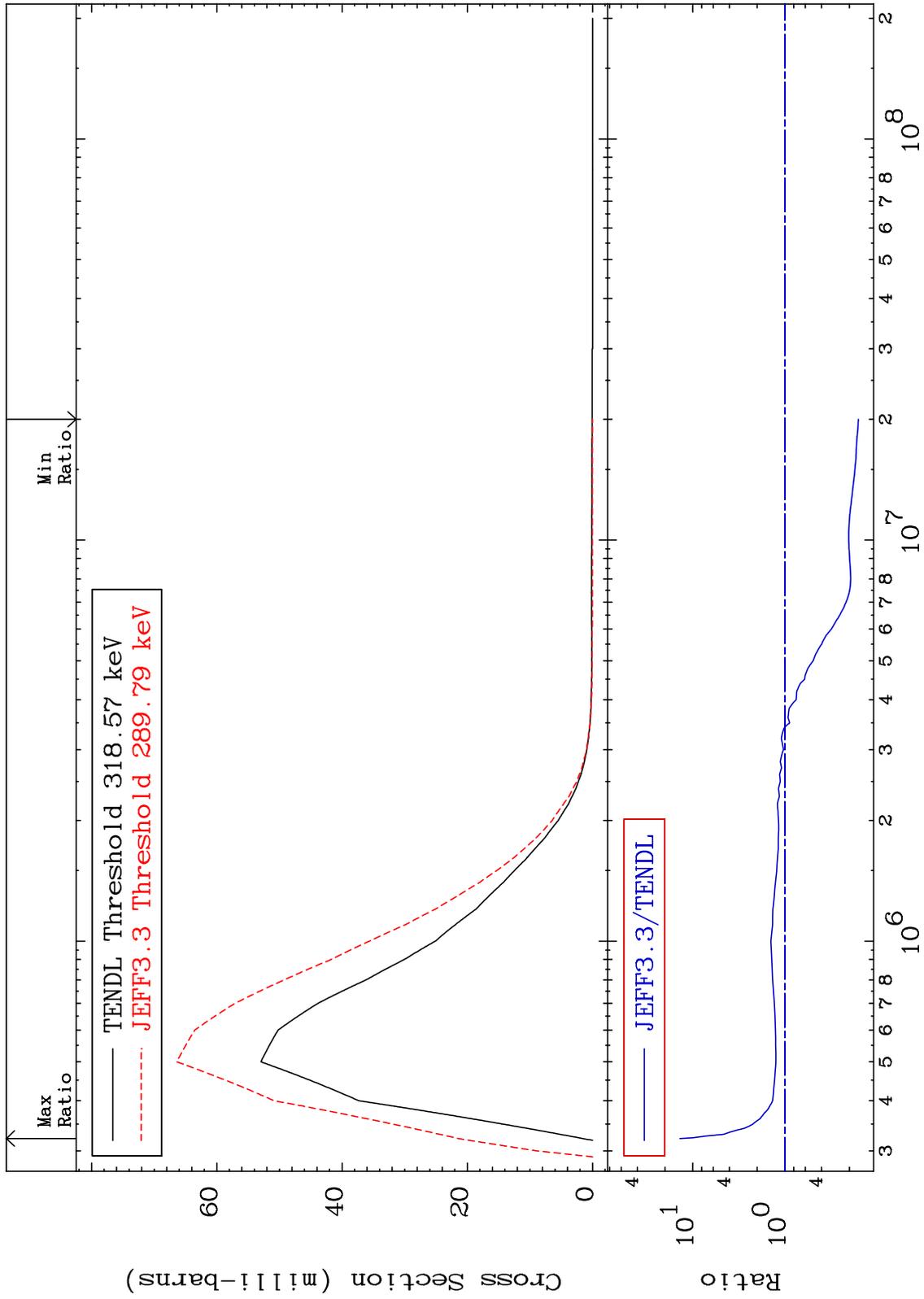
37

90-Th-229

MAT 9031

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

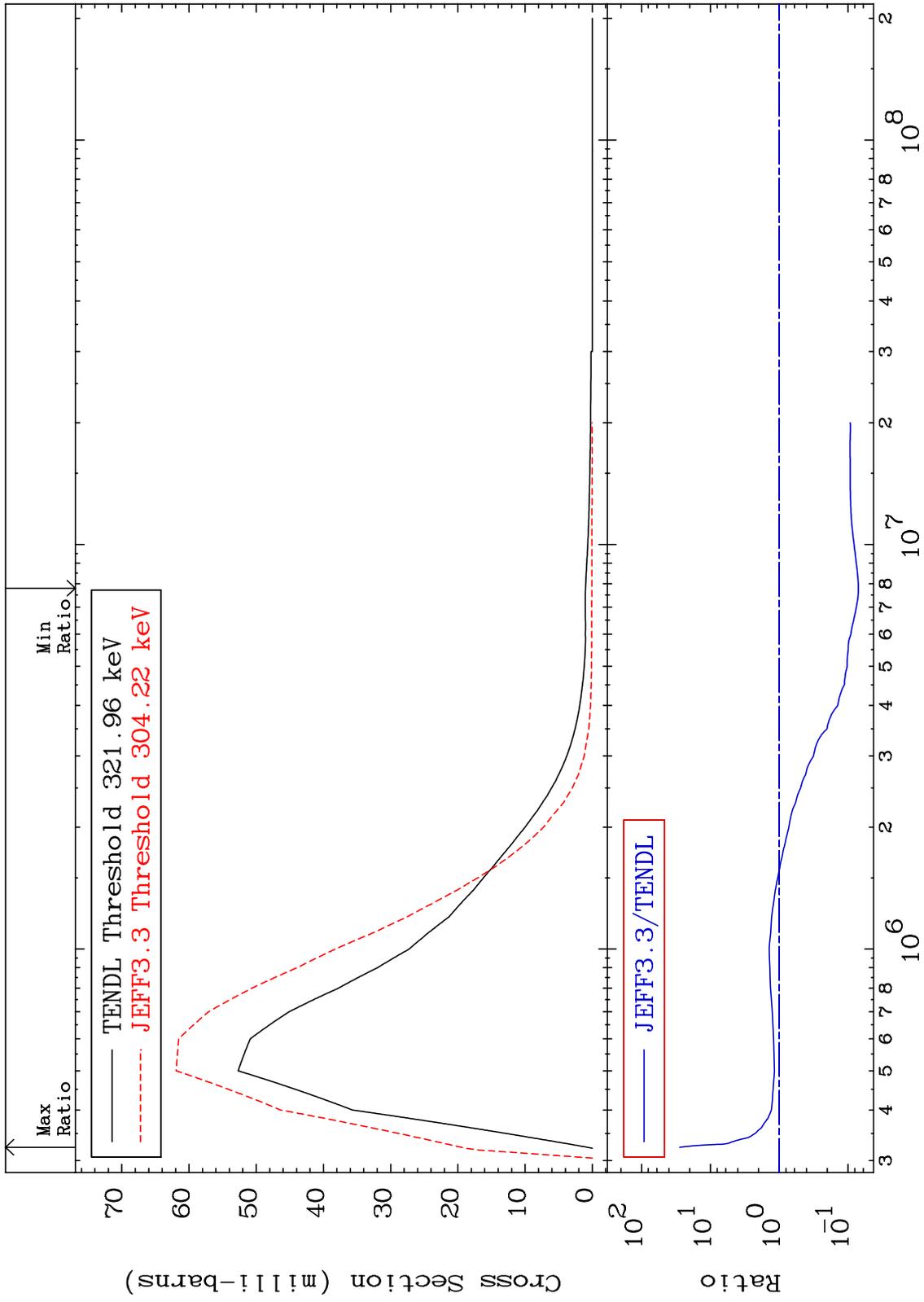
90-Th-229
-84.06 To 1278. %



MAT 9031

MT= 78 (n,n') Level
Cross Section

90-Th-229
-92.92 To 2696. %



39

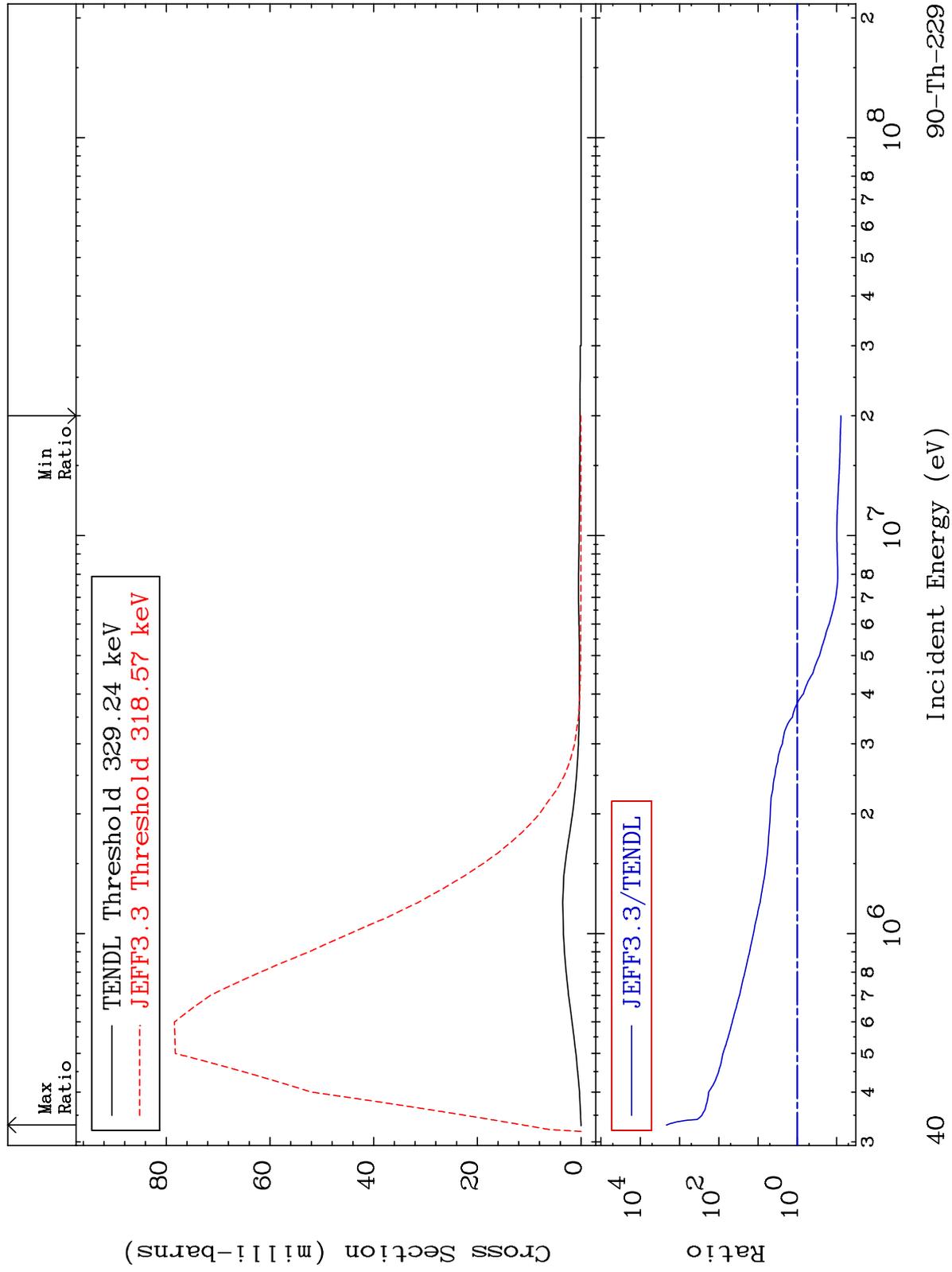
Incident Energy (eV)

90-Th-229

MAT 9031

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

90-Th-229
-92.26 To 9999. %

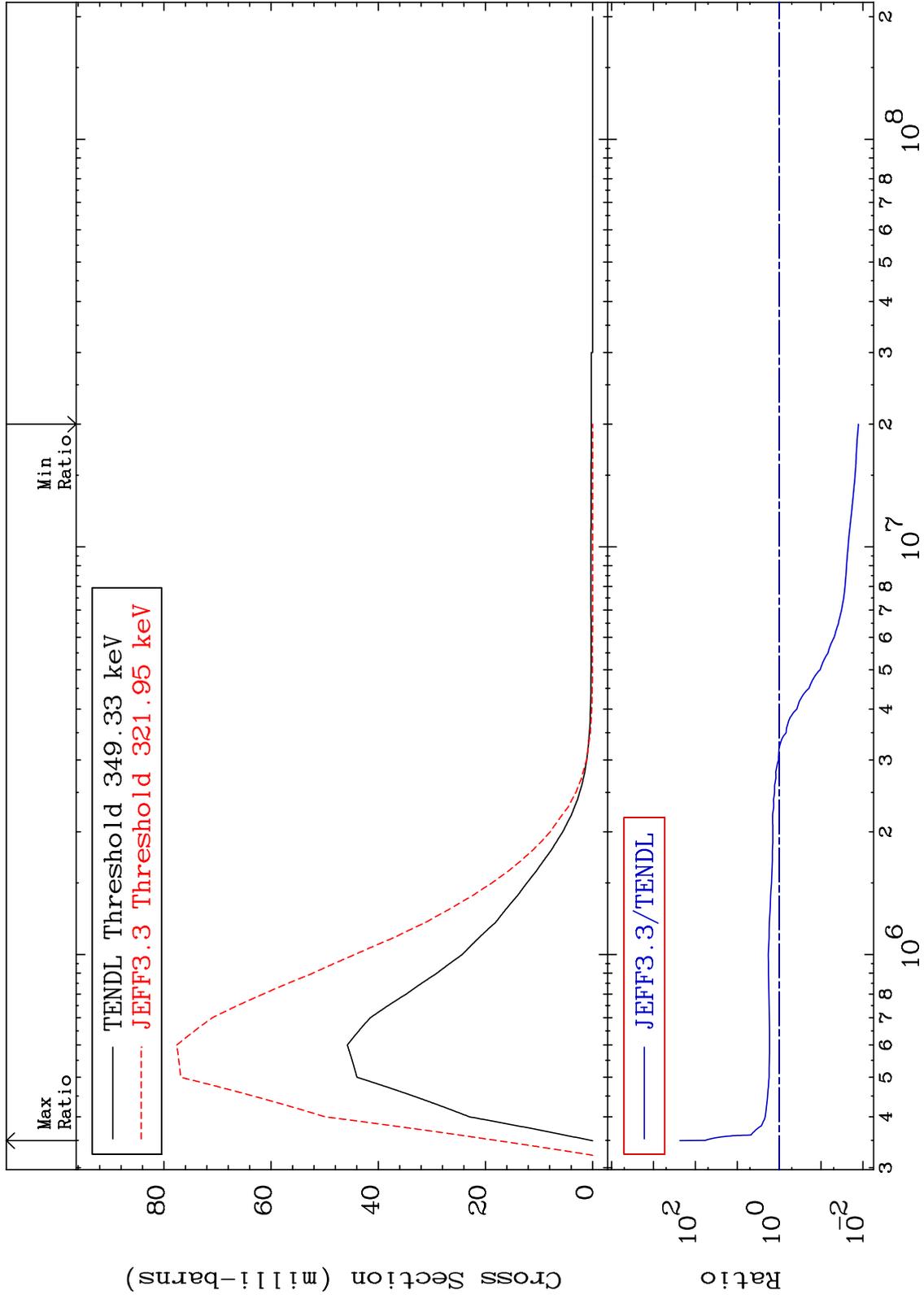


40

MAT 9031

MT= 80 (n,n') Level
Cross Section

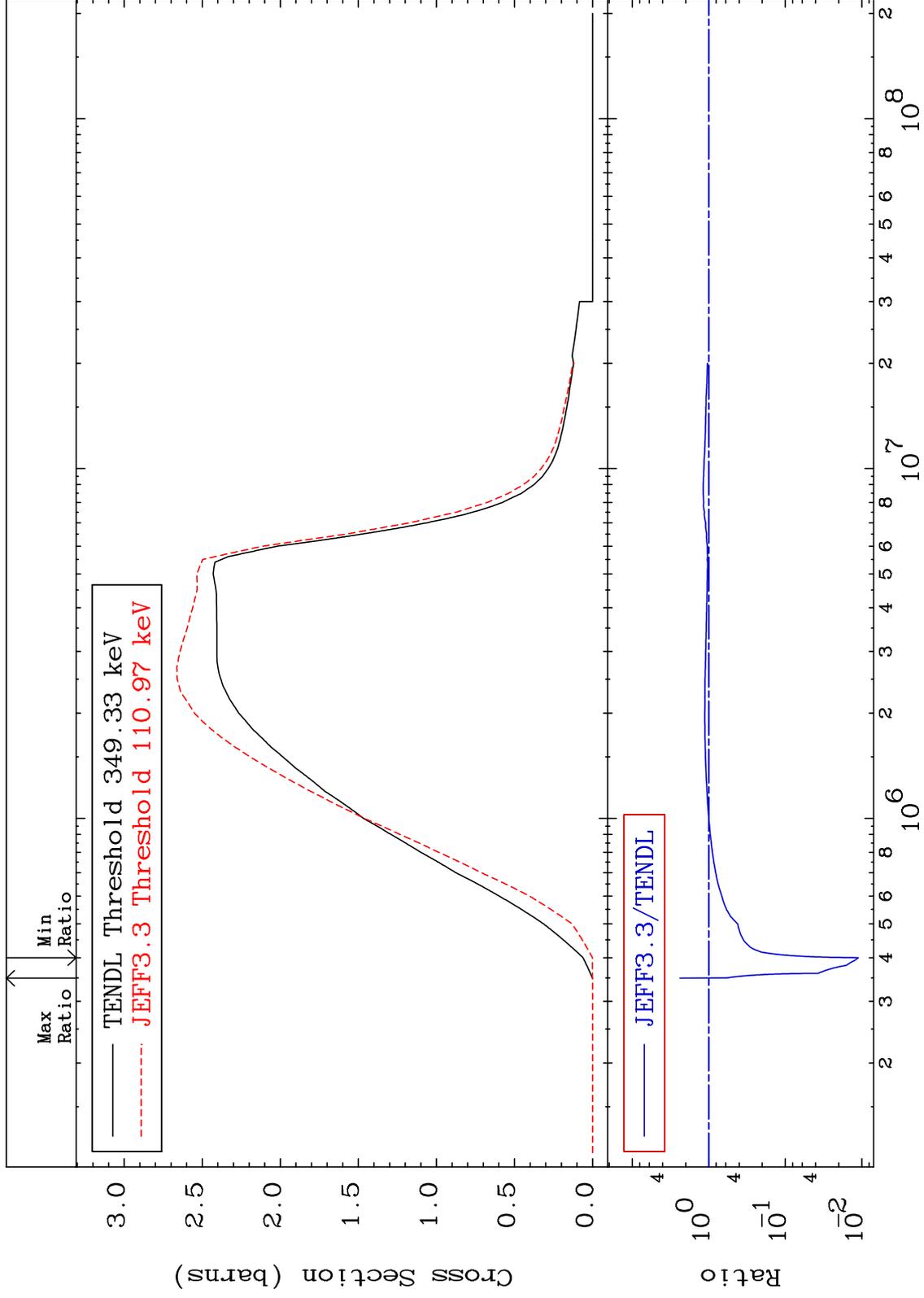
90-Th-229
-98.71 To 9999. %



MAT 9031

(n, n') Continuum
Cross Section

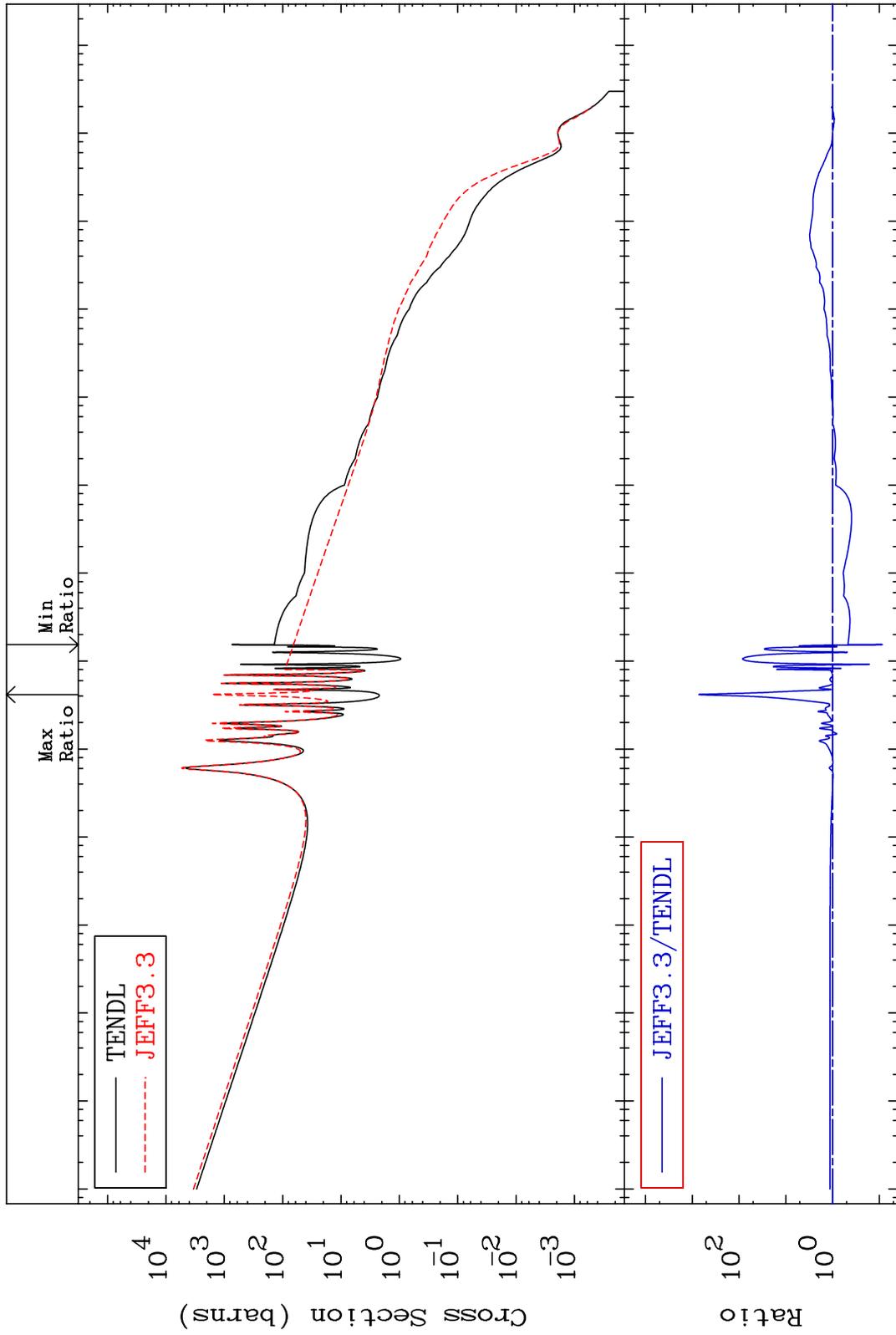
90-Th-229
-98.89 To 138.2 %



MAT 9031

90-Th-229
-91.27 To 9999. %

(n, γ)
Cross Section



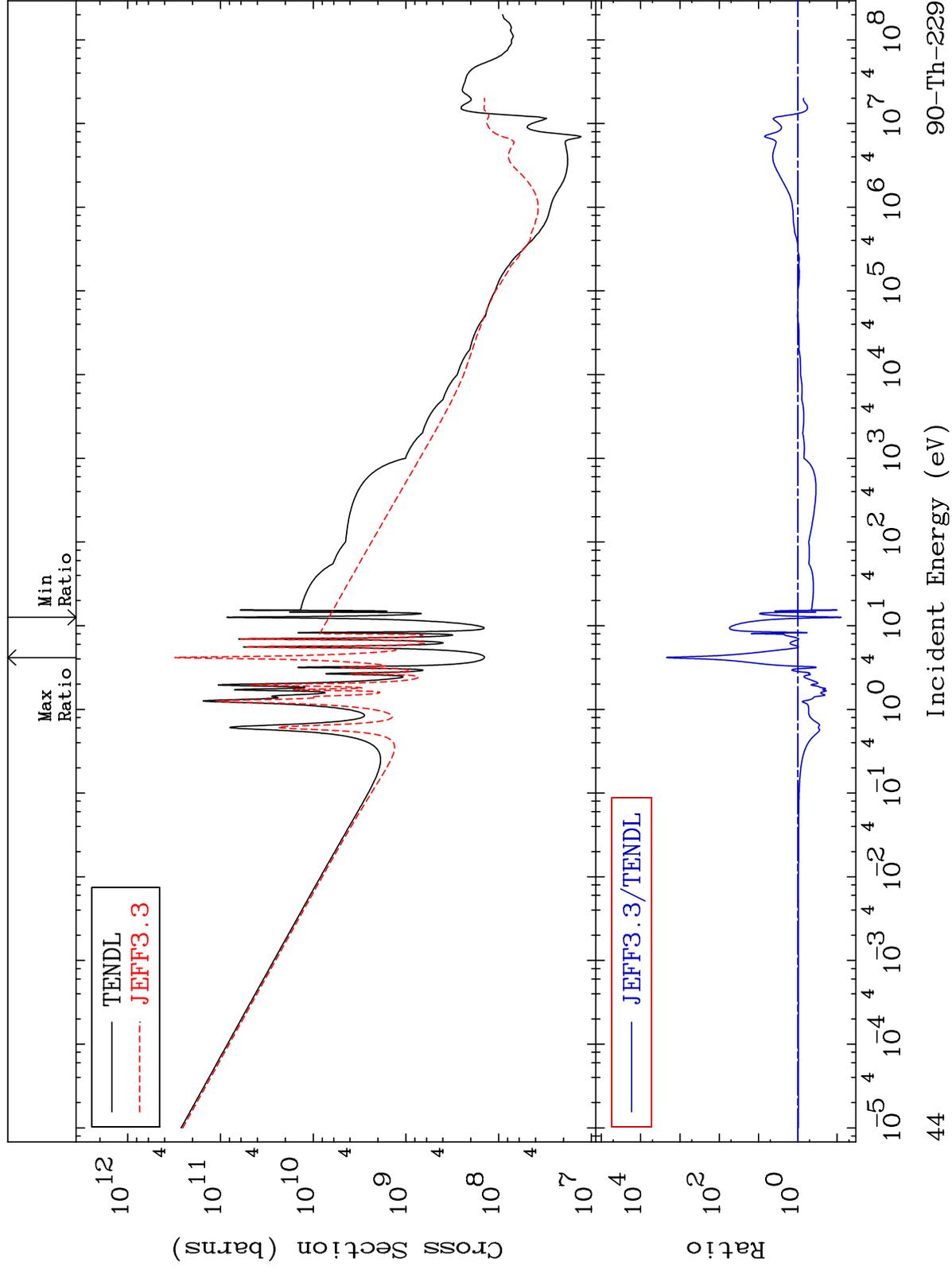
90-Th-229

Incident Energy (eV)

MAT 9031

Kerma total (eV-barns)
Cross Section

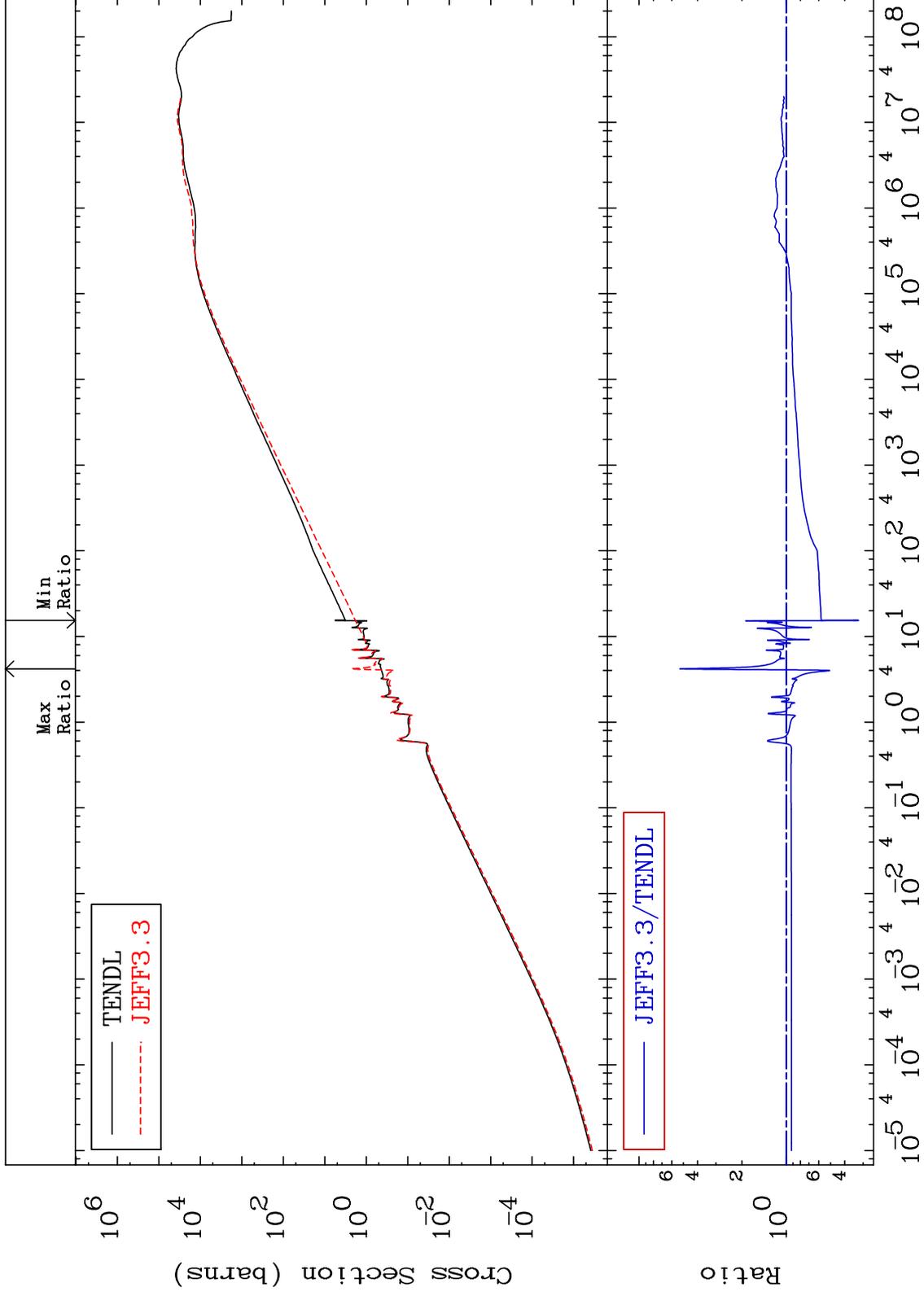
90-Th-229
-92.02 To 9999. %



MAT 9031

Kerma elastic
Cross Section

90-Th-229
-67.69 To 429.4 %



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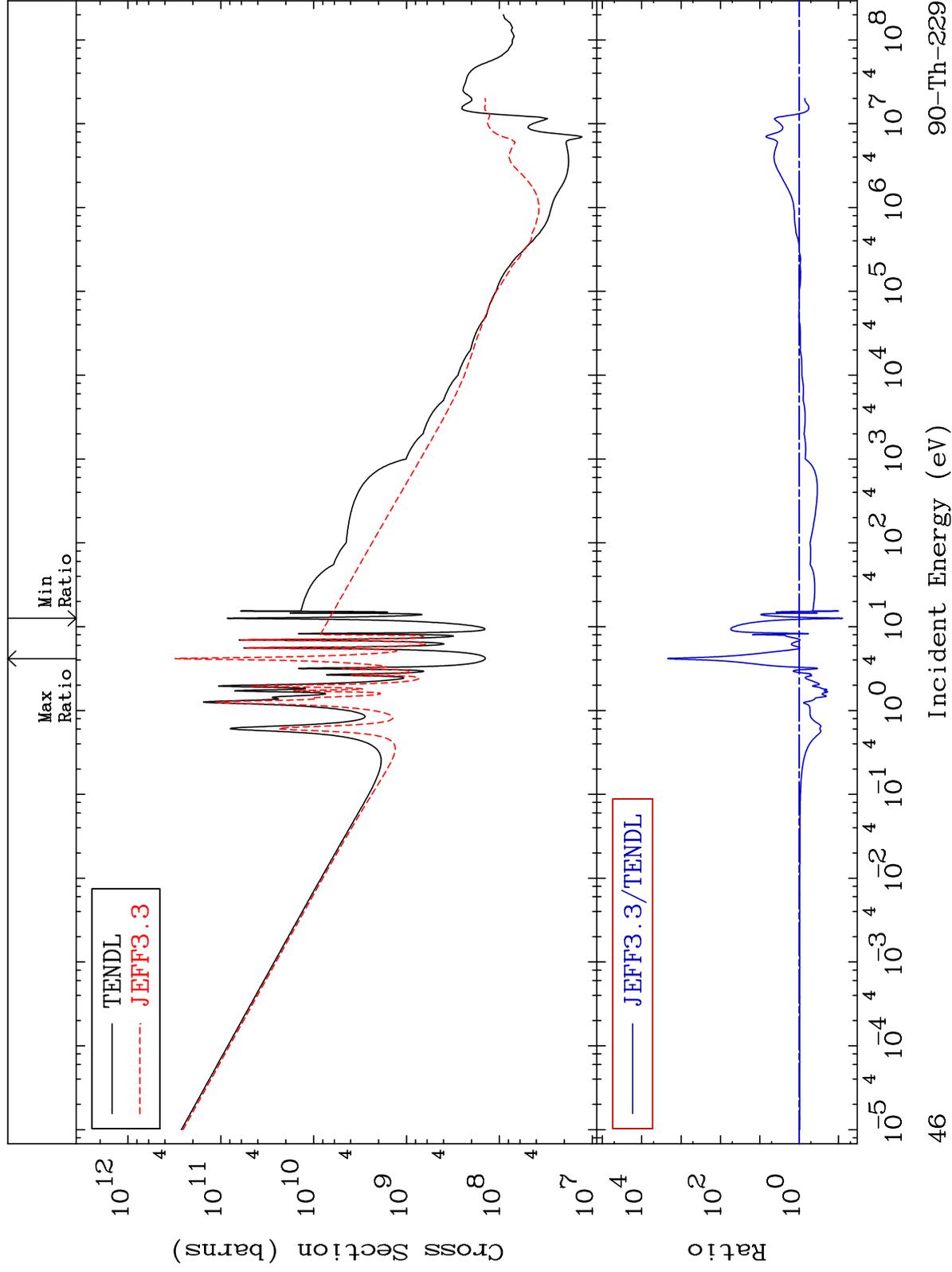
Incident Energy (eV)

90-Th-229

MAT 9031

Kerma non-elastic (all but mt2)
Cross Section

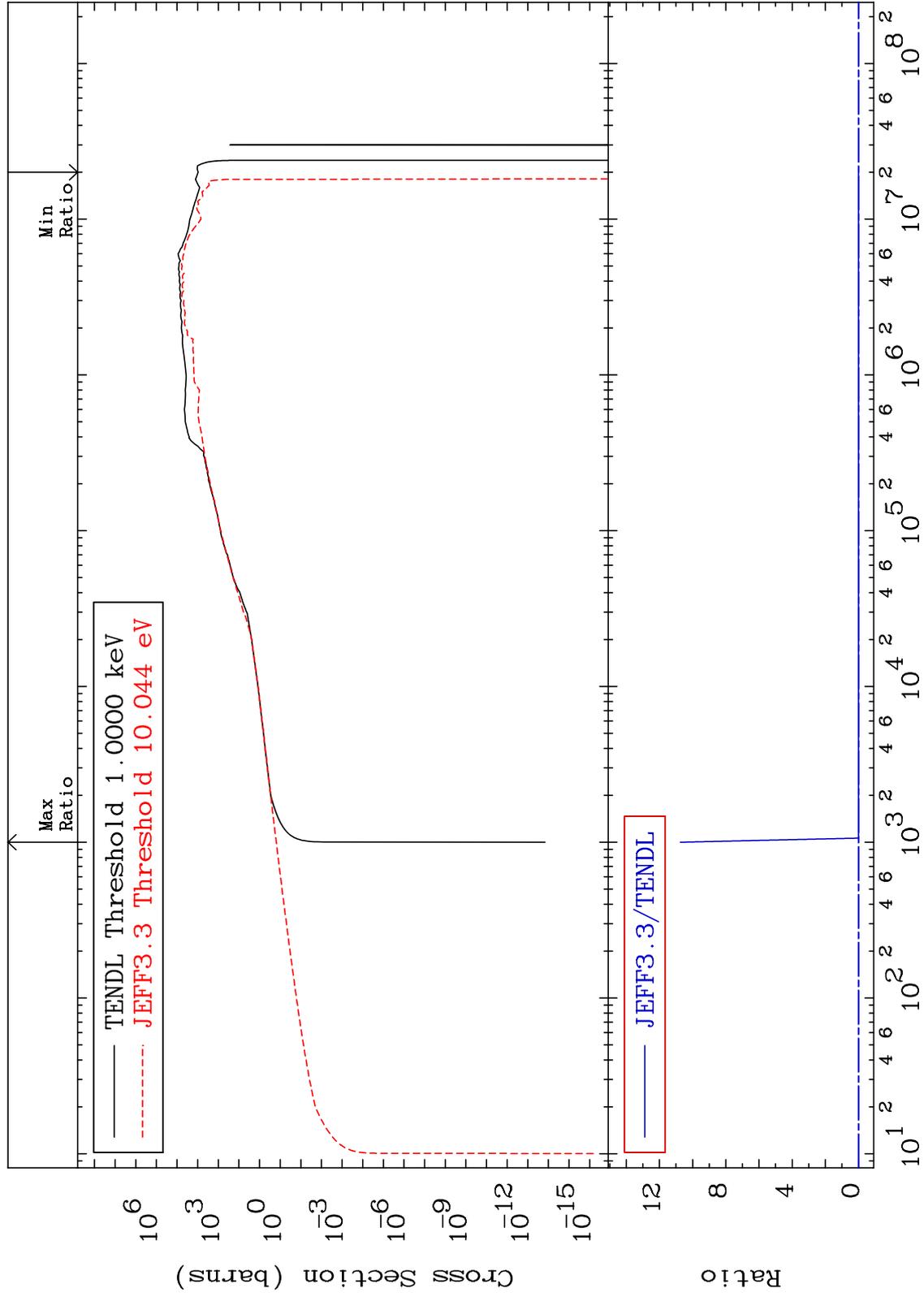
90-Th-229
-92.02 To 9999. %



MAT 9031

Kerma inelastic (mt51-91)
Cross Section

90-Th-229
-121.4 To 9999. %



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Incident Energy (eV)

90-Th-229

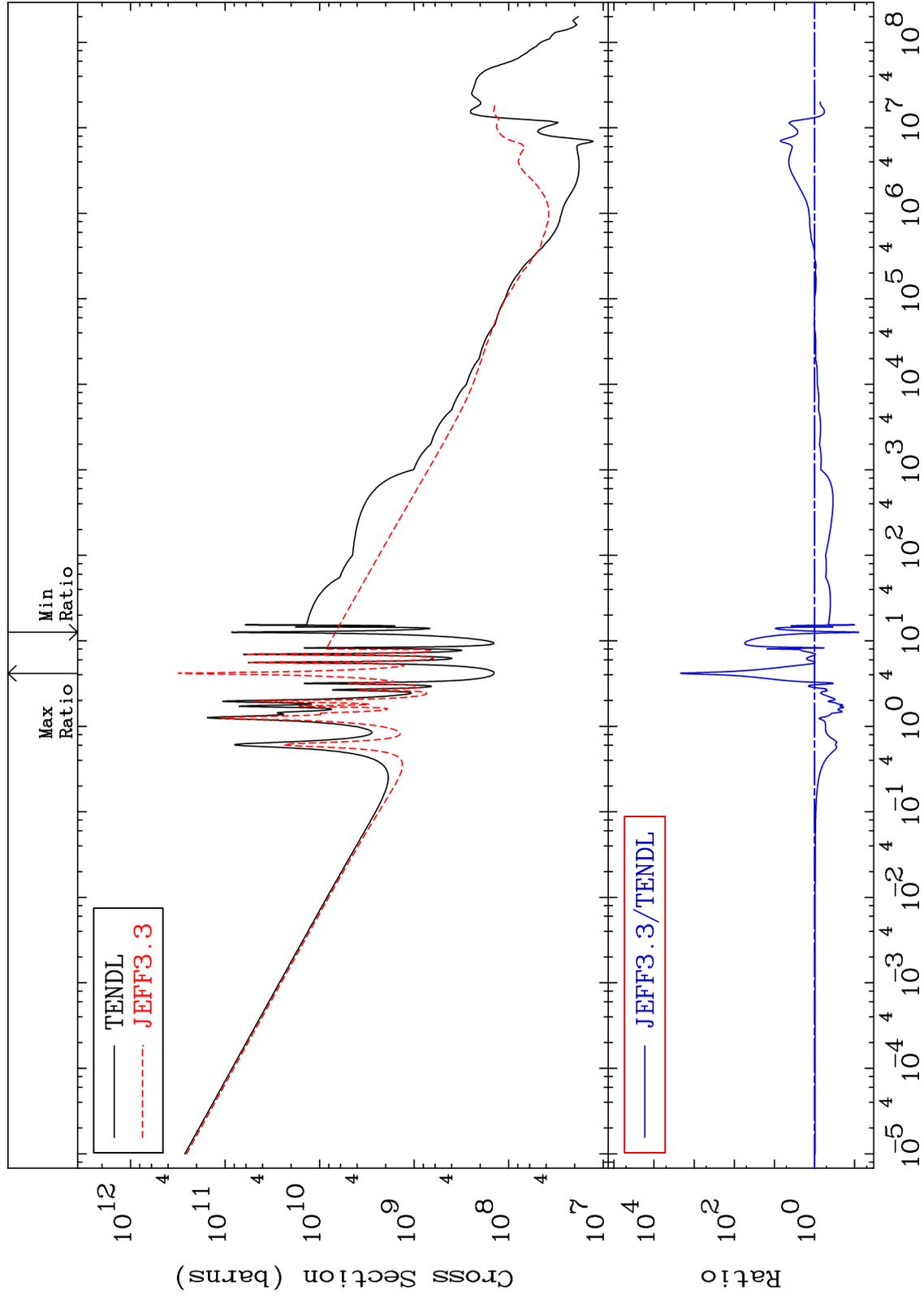
MAT 9031

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

90-Th-229

-92.02 To 9999. %

Cross Section



48

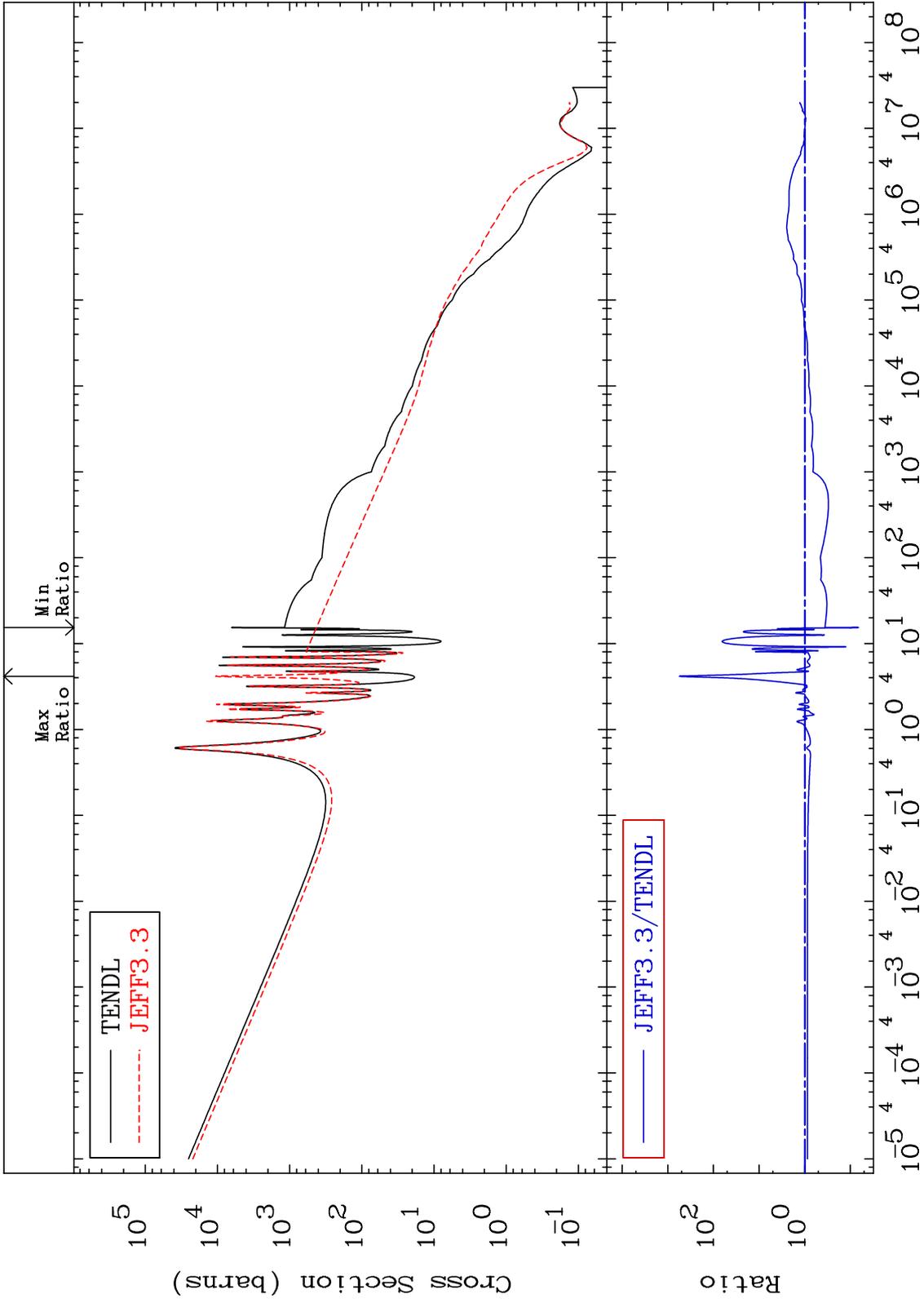
Incident Energy (eV)

90-Th-229

MAT 9031

Kerma capture (mt102)
Cross Section

90-Th-229
-93.28 To 9999. %

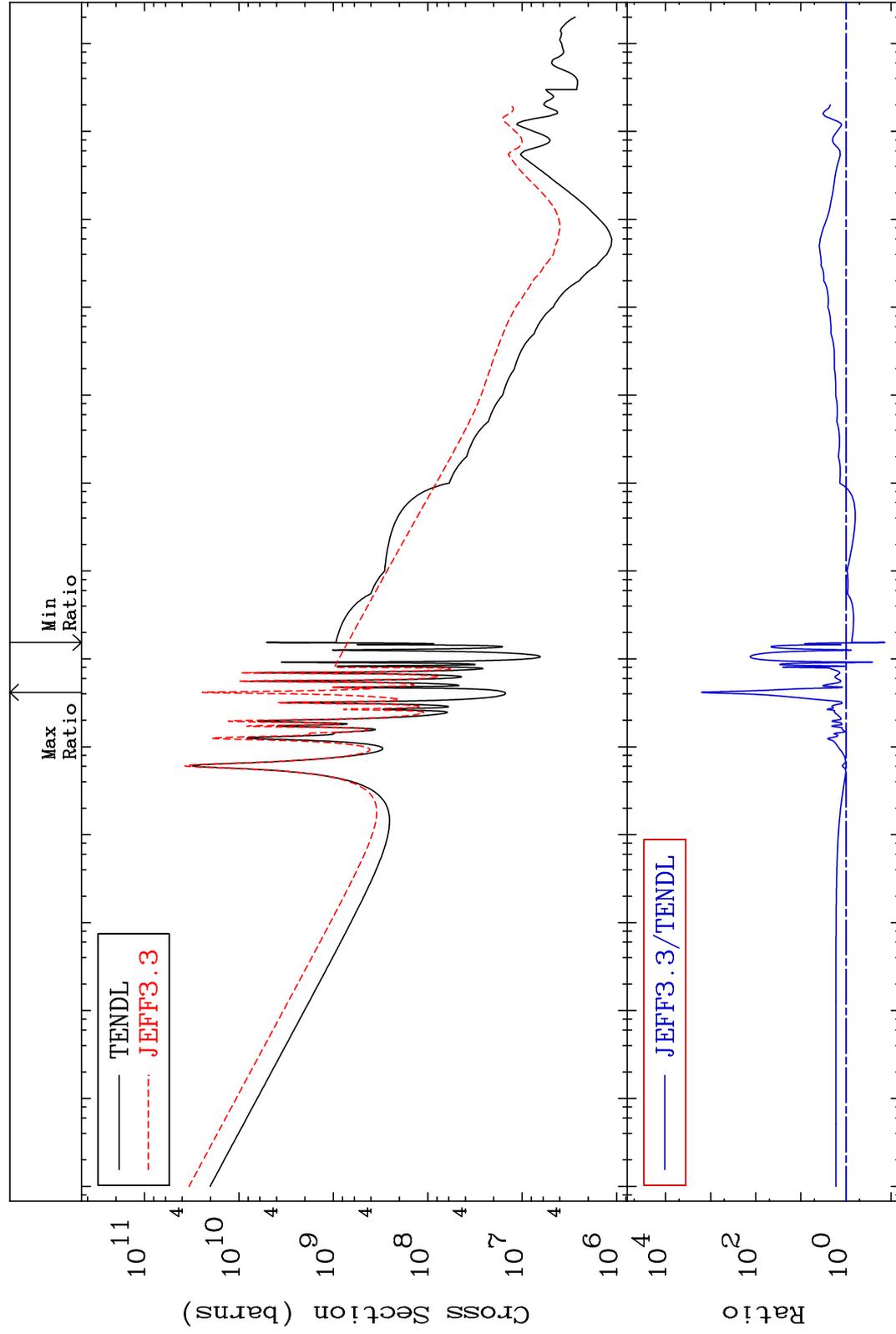


MAT 9031

Total photon (eV-barns)

90-Th-229

-86.12 To 9999. %



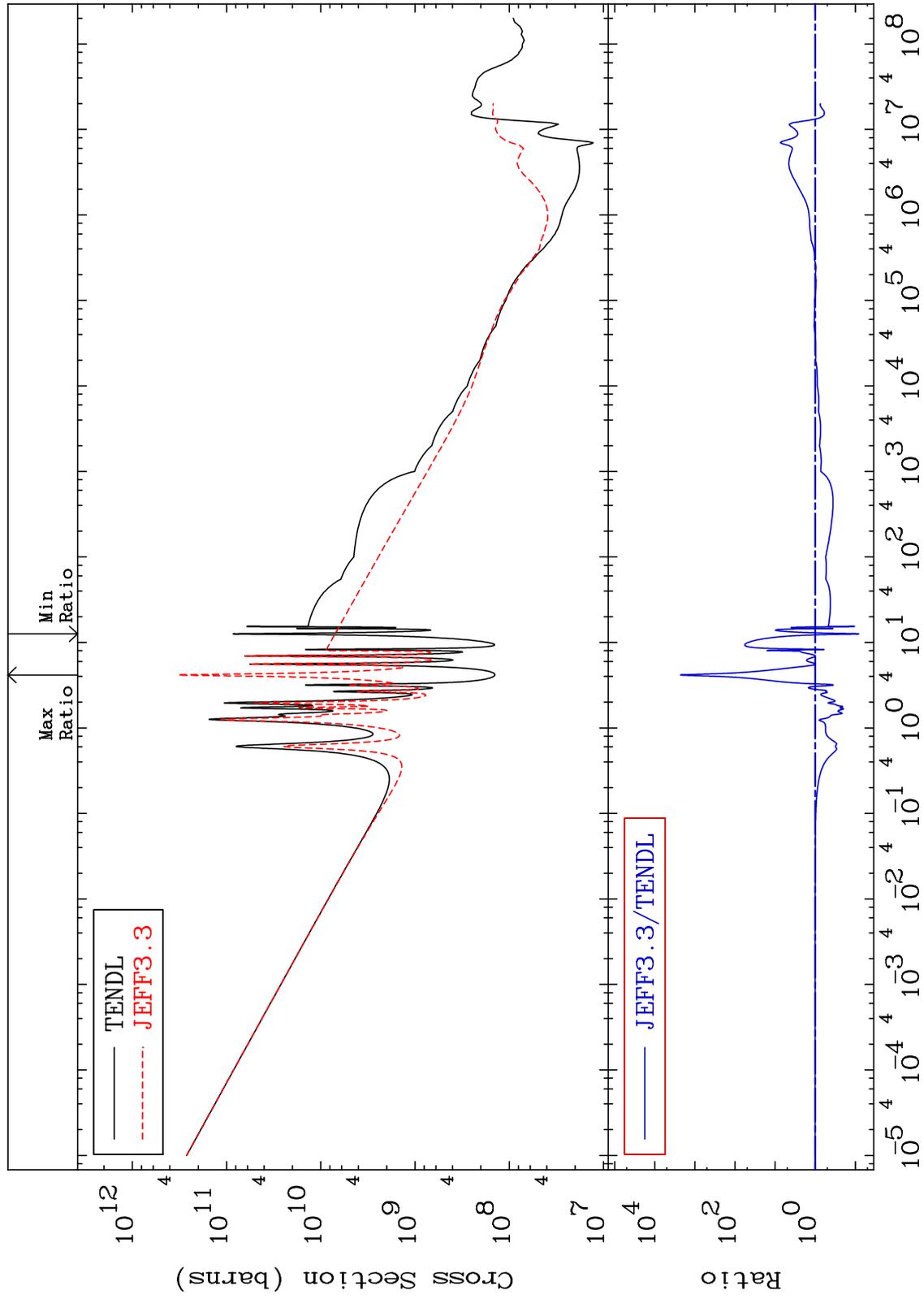
Incident Energy (eV)

90-Th-229

MAT 9031

Total kinematic kerma (high limit)
Cross Section

90-Th-229
-91.68 To 9999. %



51

Incident Energy (eV)

90-Th-229

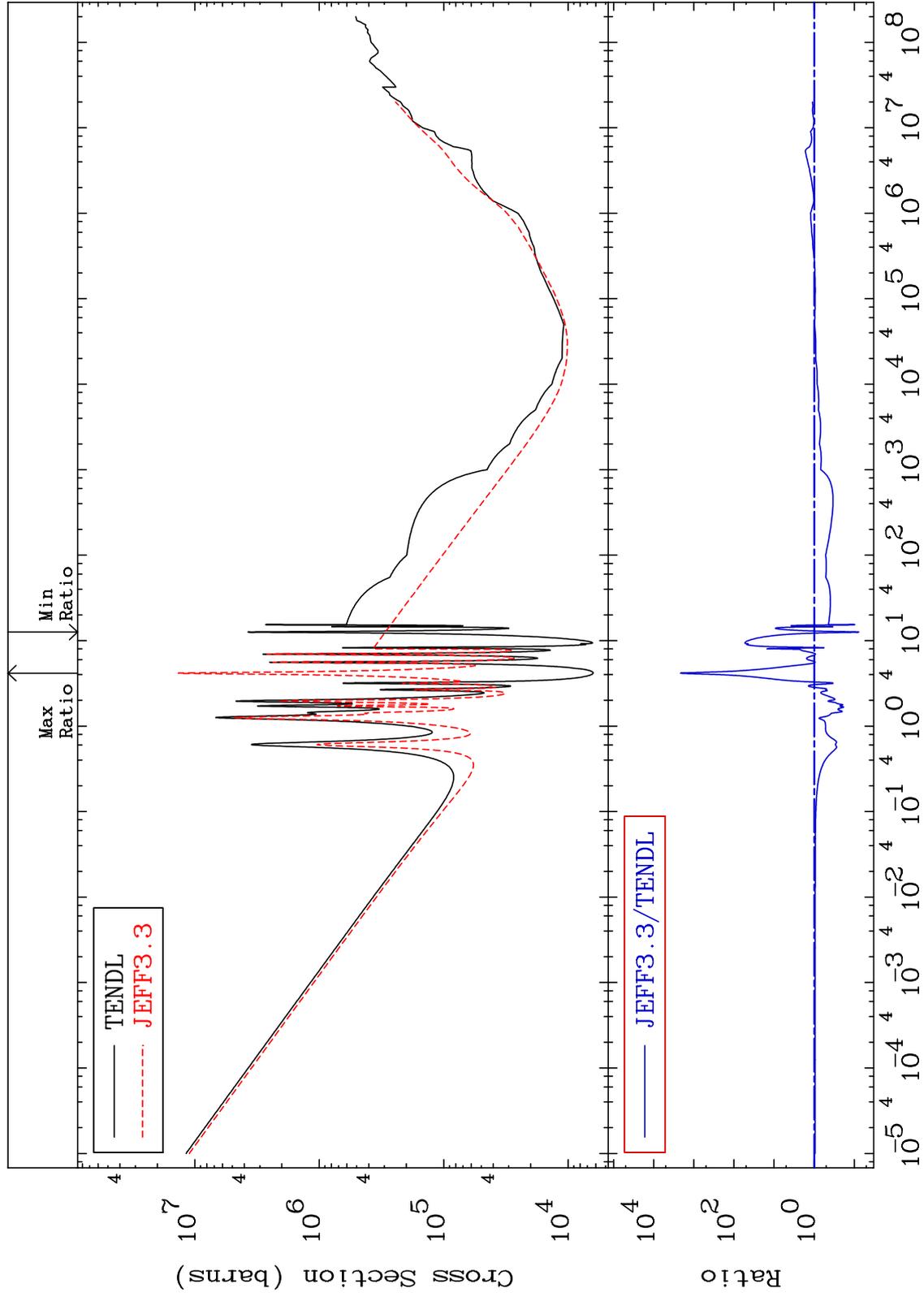
MAT 9031

Dpa total (eV-barns)

90-Th-229

-92.16 To 9999. %

Cross Section



52

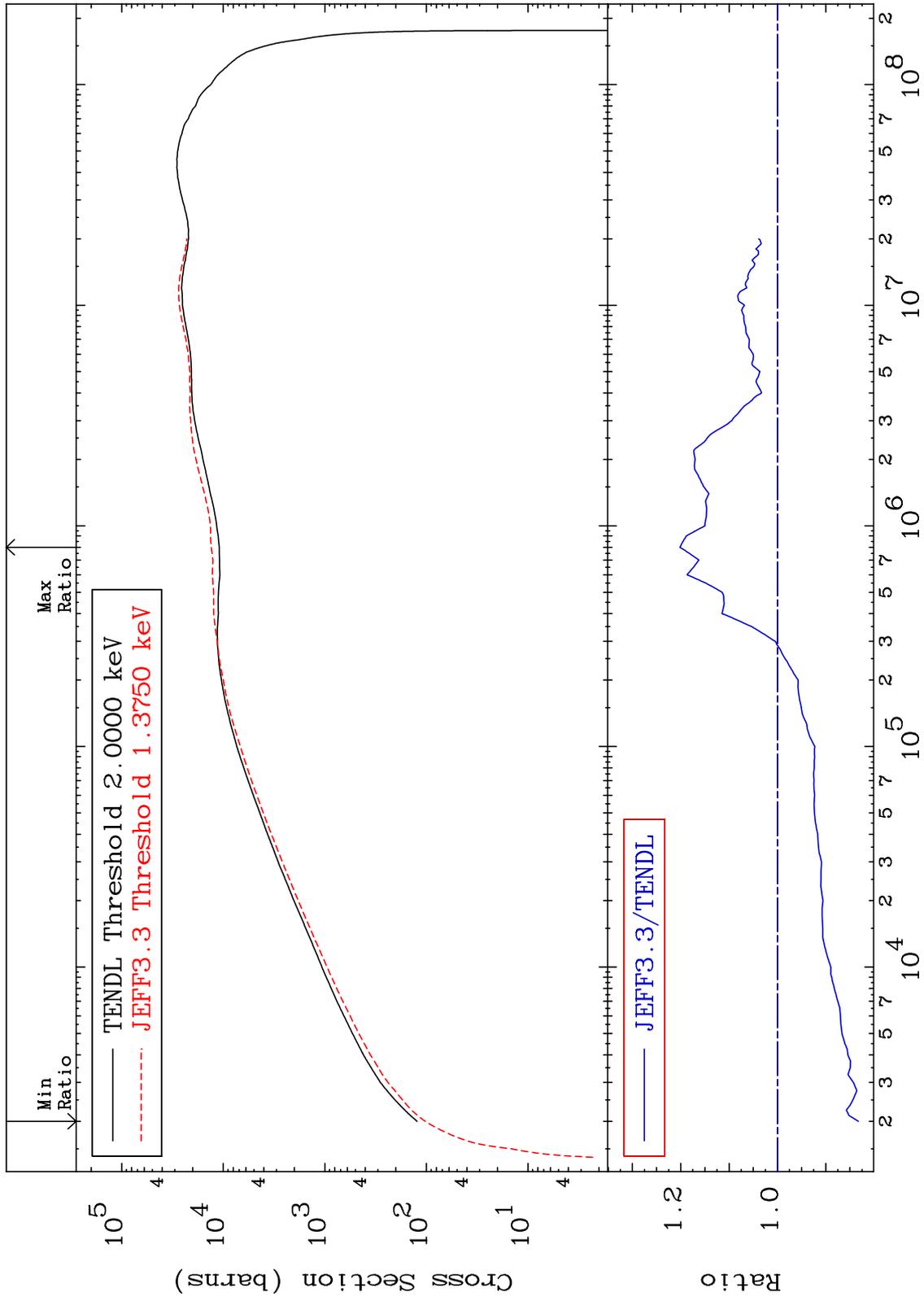
Incident Energy (eV)

90-Th-229

MAT 9031

Dpa elastic (mt2)
Cross Section

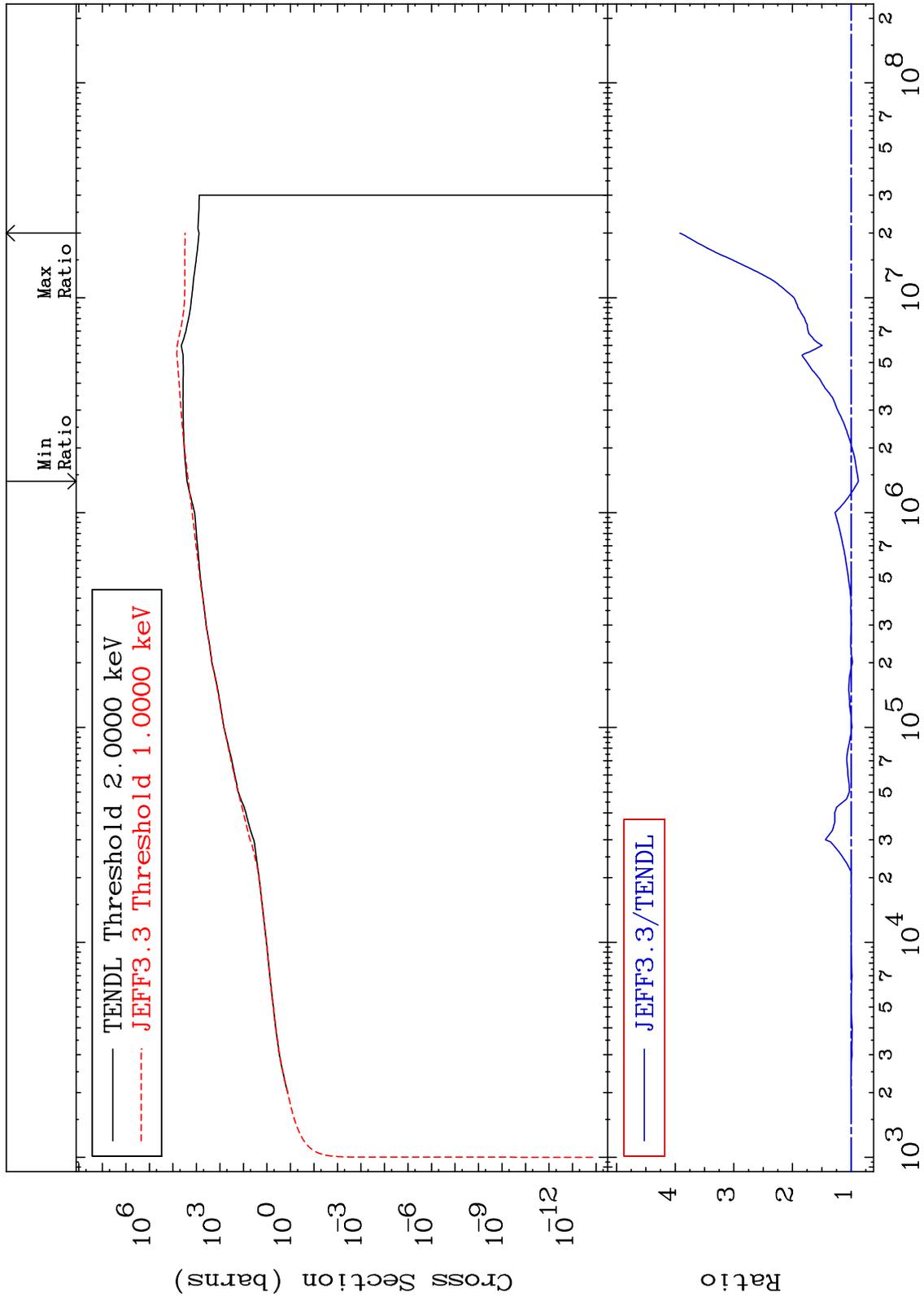
90-Th-229
-16.76 To 20.17 %



MAT 9031

Dpa inelastic (mt51-91)
Cross Section

90-Th-229
-12.33 To 291.9 %



54

90-Th-229

MAT 9031

Dpa disappearance (mt102 -120)
Cross Section

90-Th-229
-100.0 To 9999. %

