

Program Complot
(Version 2018-1)

by

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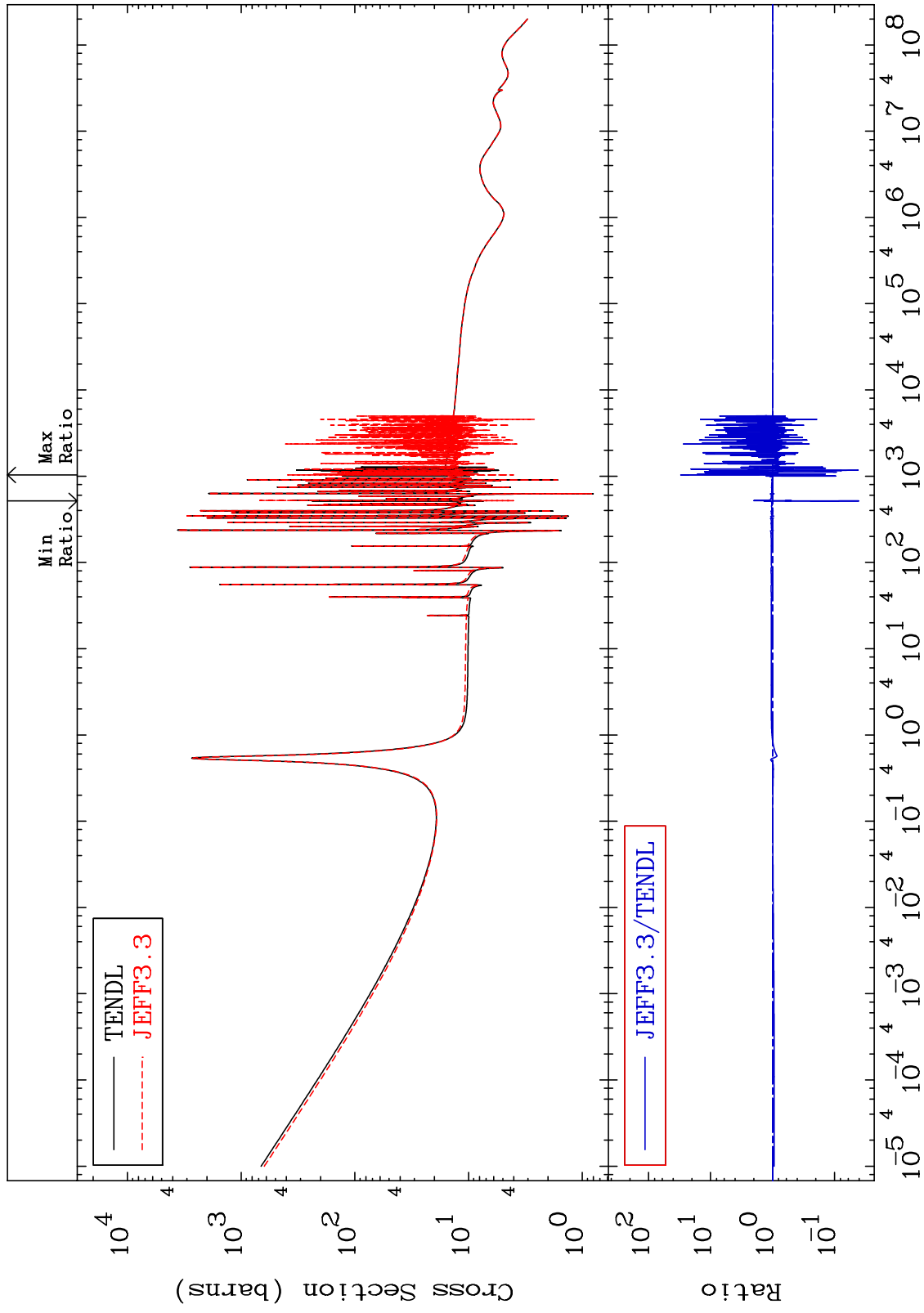
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8834

Total
Cross Section

88-Ra-226
-95.98 To 2938. %



1

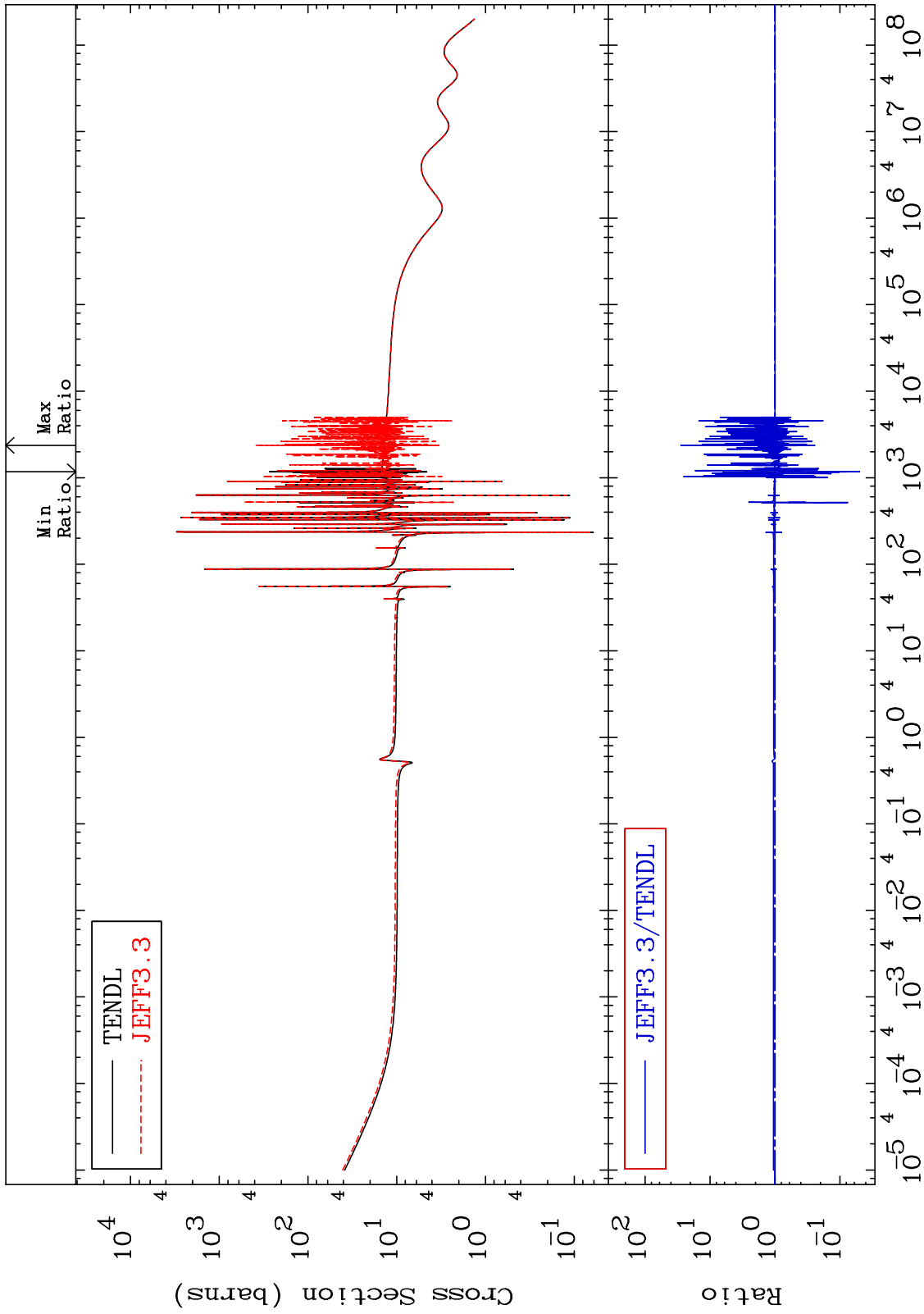
Incident Energy (eV)

88-Ra-226

MAT 8834

Elastic
Cross Section

88-Ra-226
-95.03 To 2717. %



2

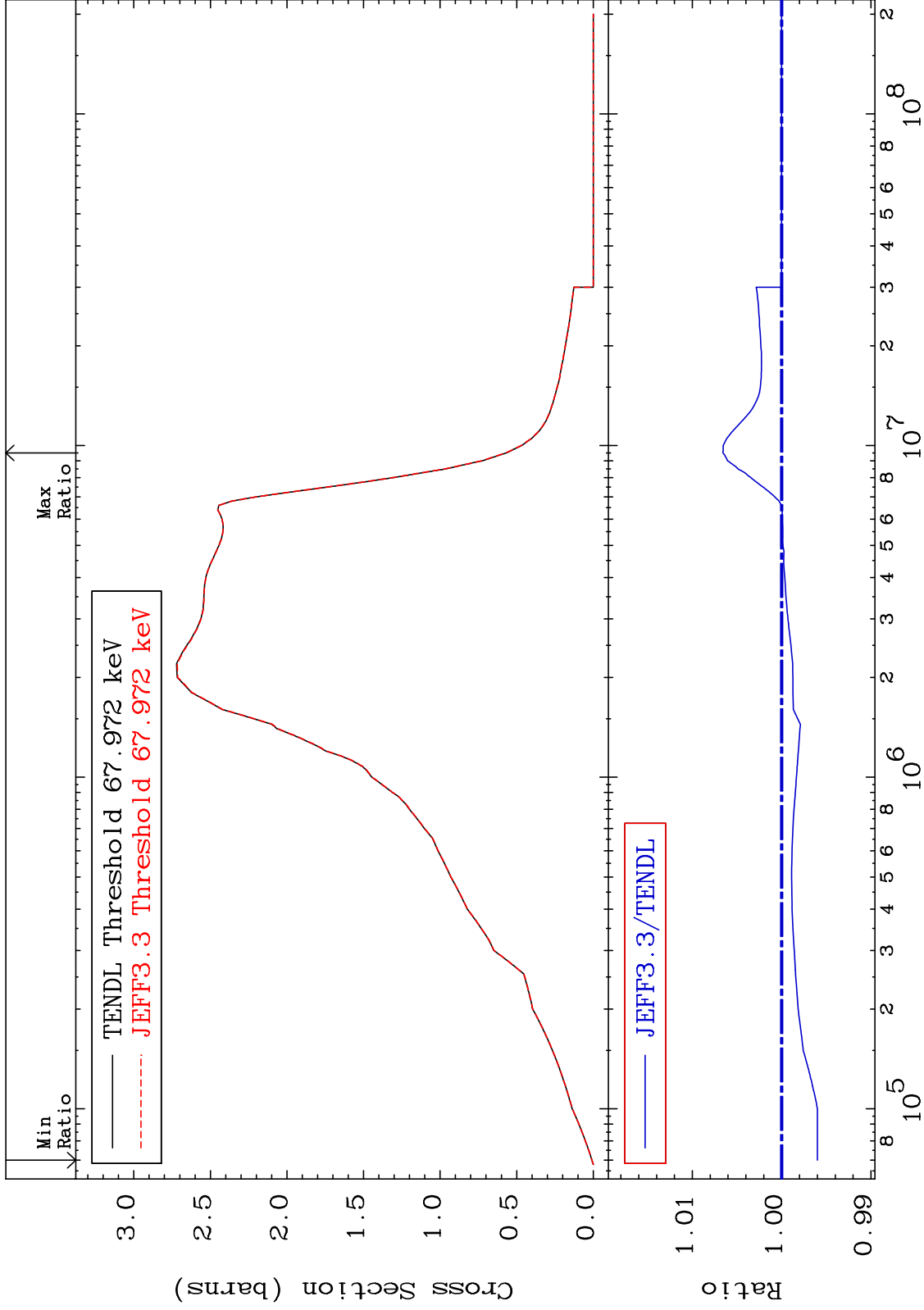
Incident Energy (eV)

88-Ra-226

MAT 8834

Inelastic
Cross Section

88-Ra-226
-0.401 To 0.657 %

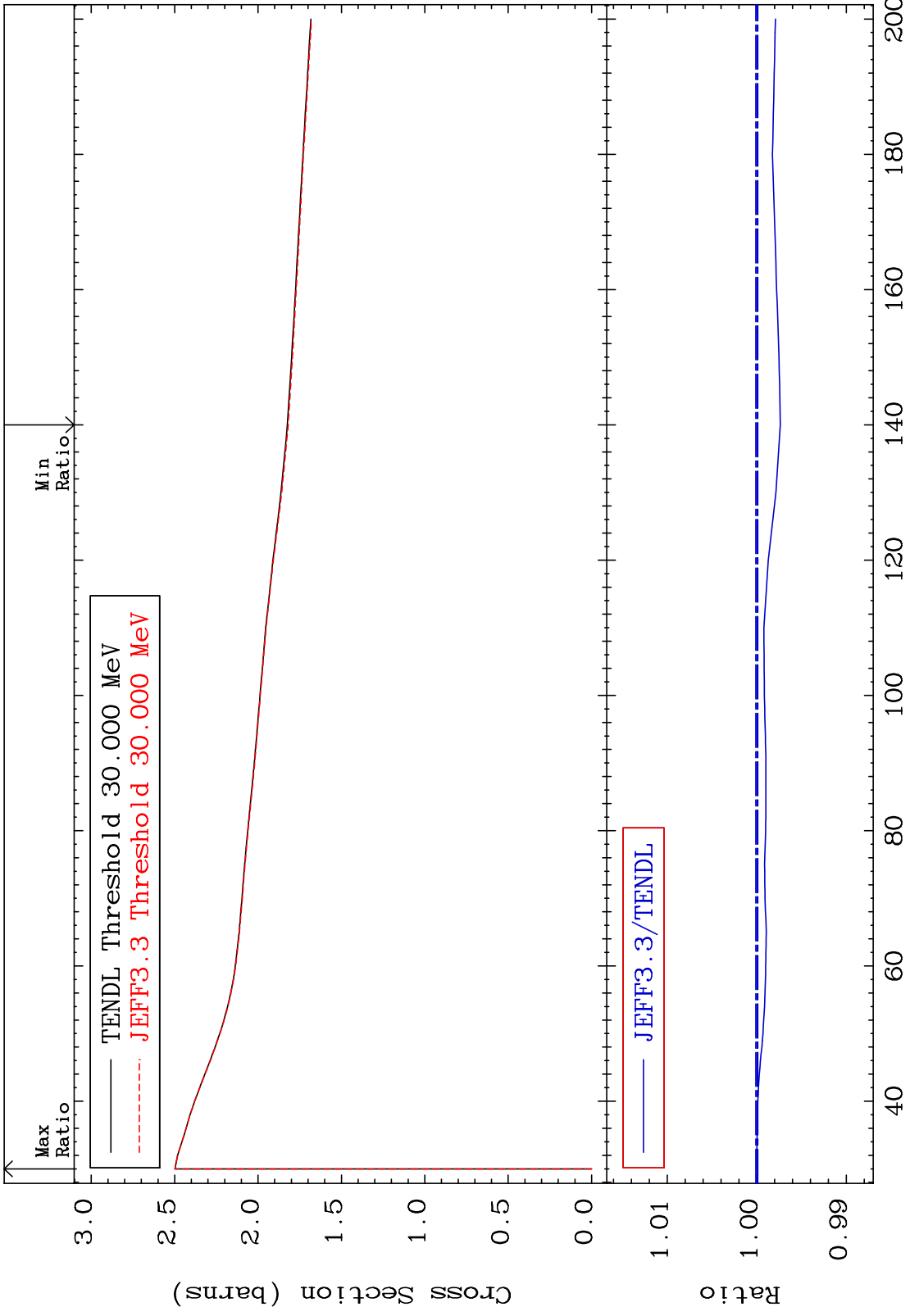


3

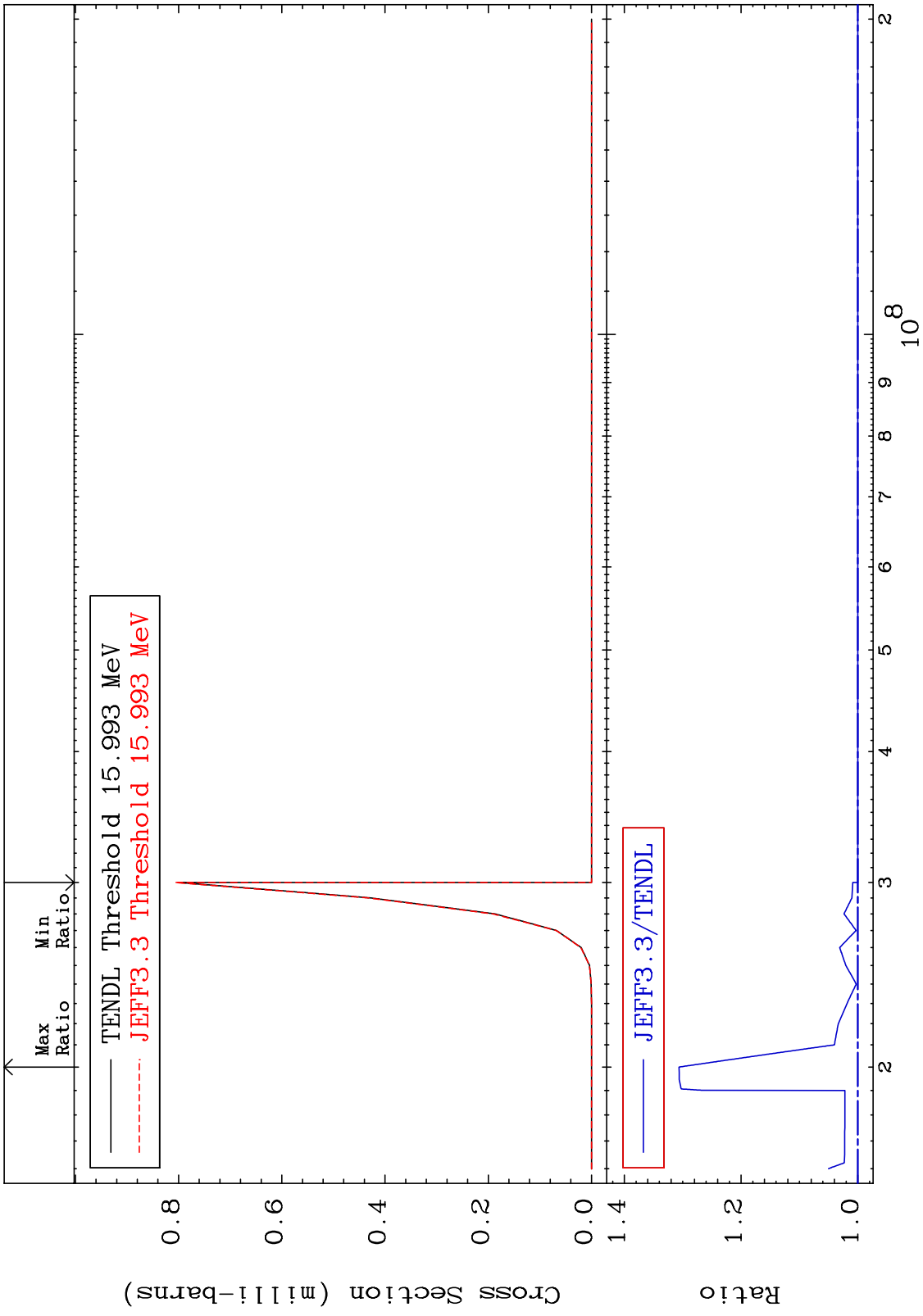
Incident Energy (eV)

88-Ra-226

MAT 8834 (n, remainder) Cross Section 88-Ra-226 -0.262 To 0.000 %



MAT 8834 (n,2n) d 88-Ra-226
 Cross Section 0.000 To 30.63 %



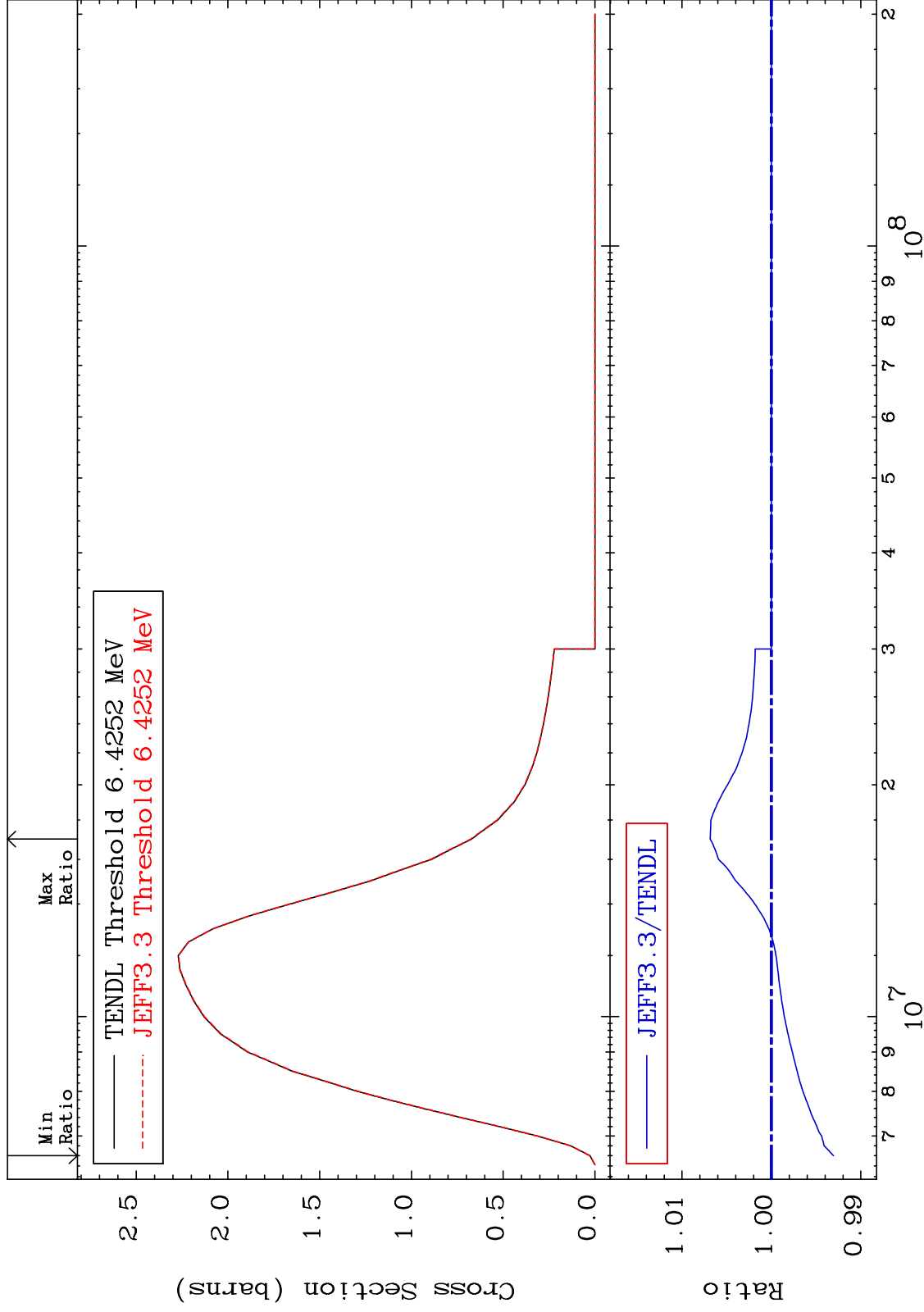
MAT 8834

(n,2n)

88-Ra-226

Cross Section

-0.694 To 0.684 %

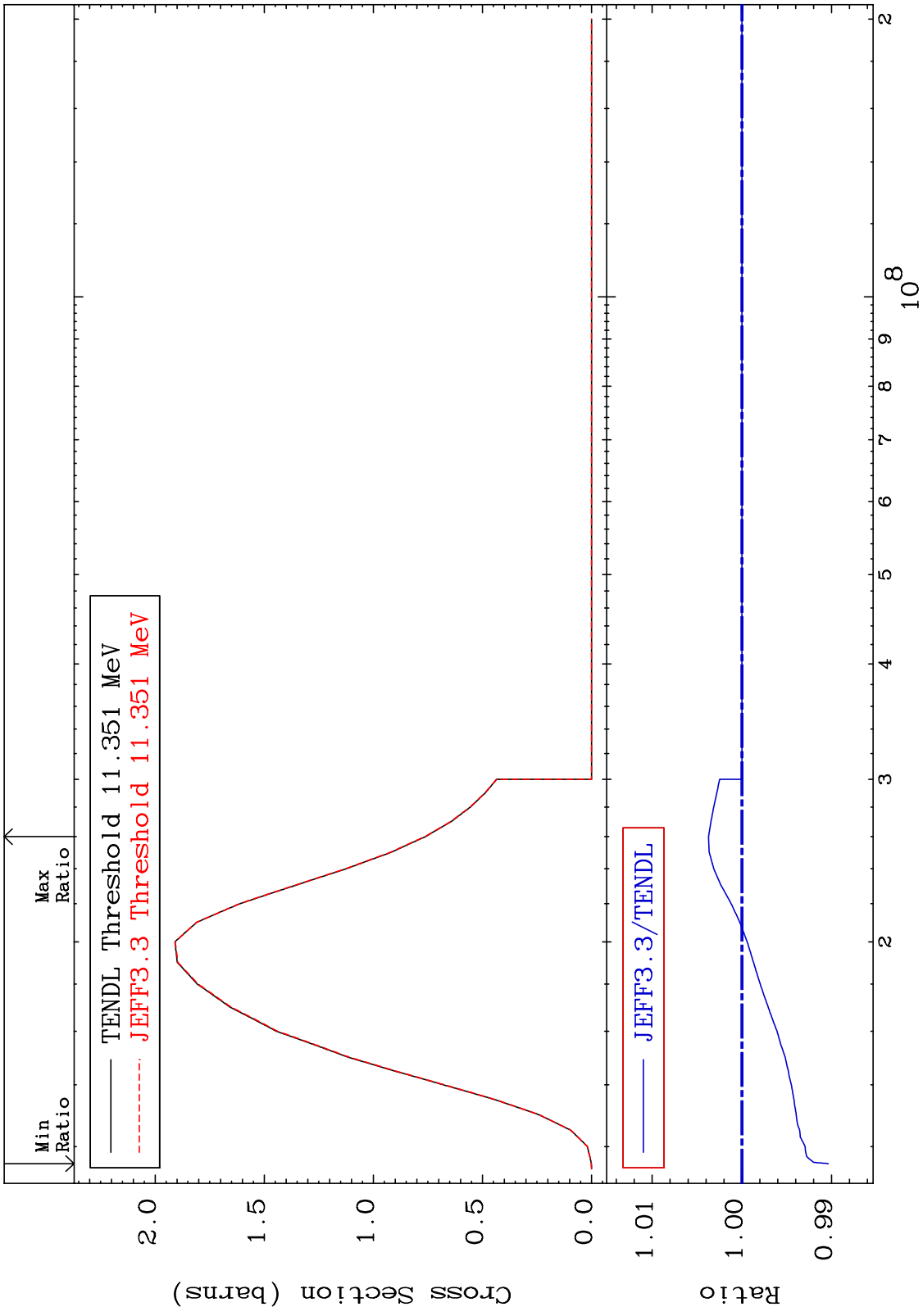


6

Incident Energy (eV)

88-Ra-226

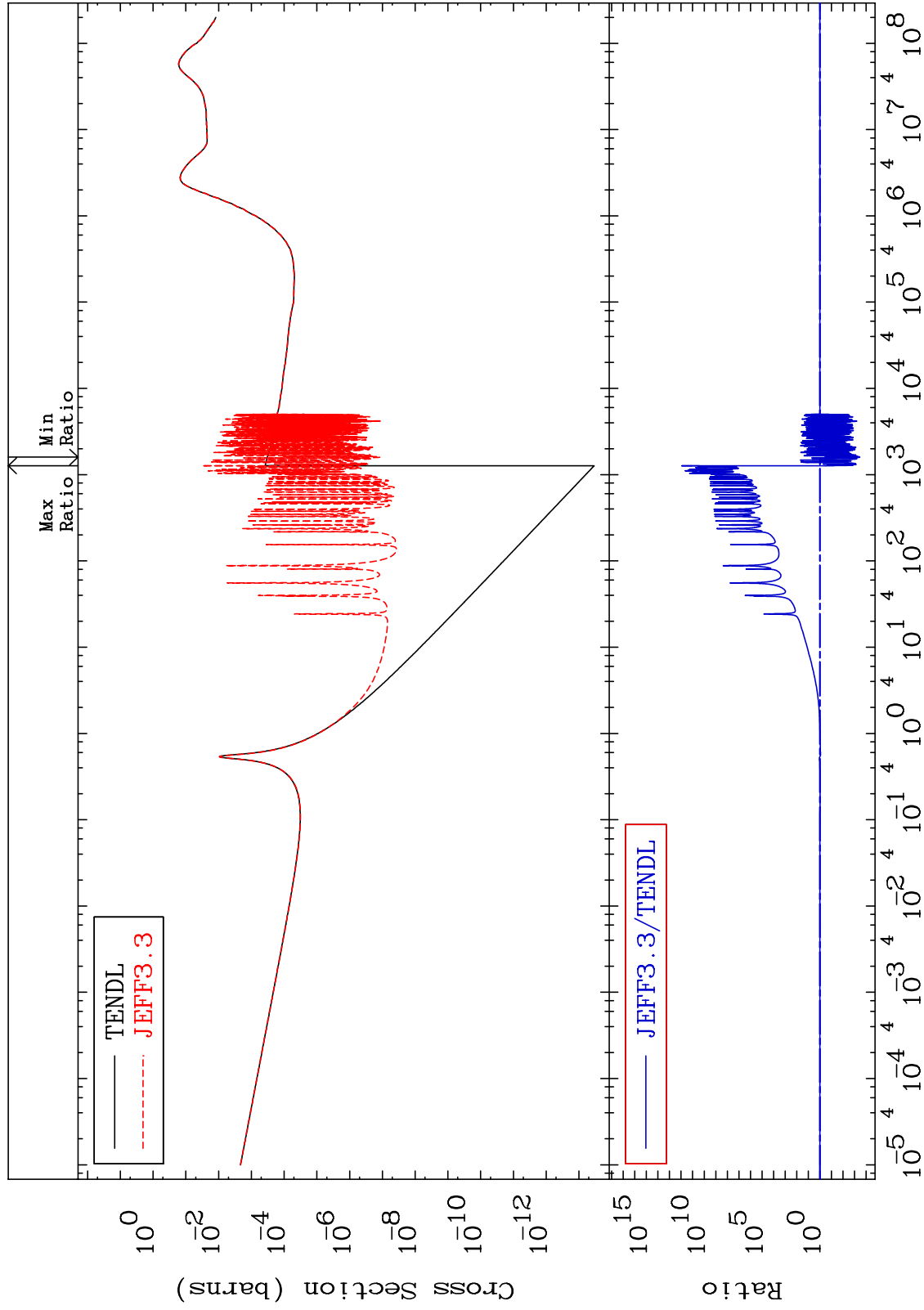
MAT 8834 (n,3n) 88-Ra-226
 Cross Section -0.965 To 0.372 %



MAT 8834

Fission
Cross Section

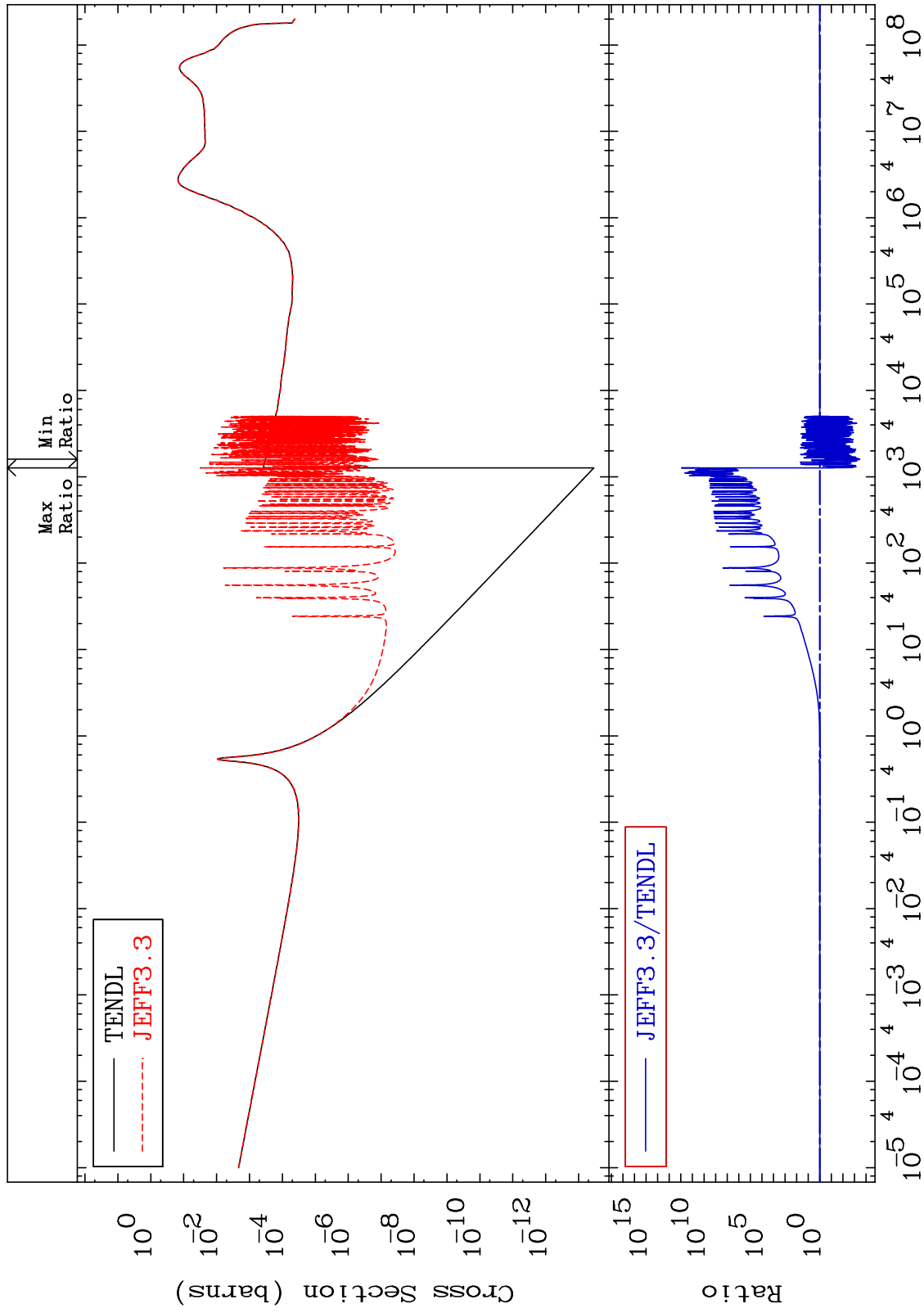
88-Ra-226
-99.96 To 9999. %



MAT 8834

(n,f) First Chance
Cross Section

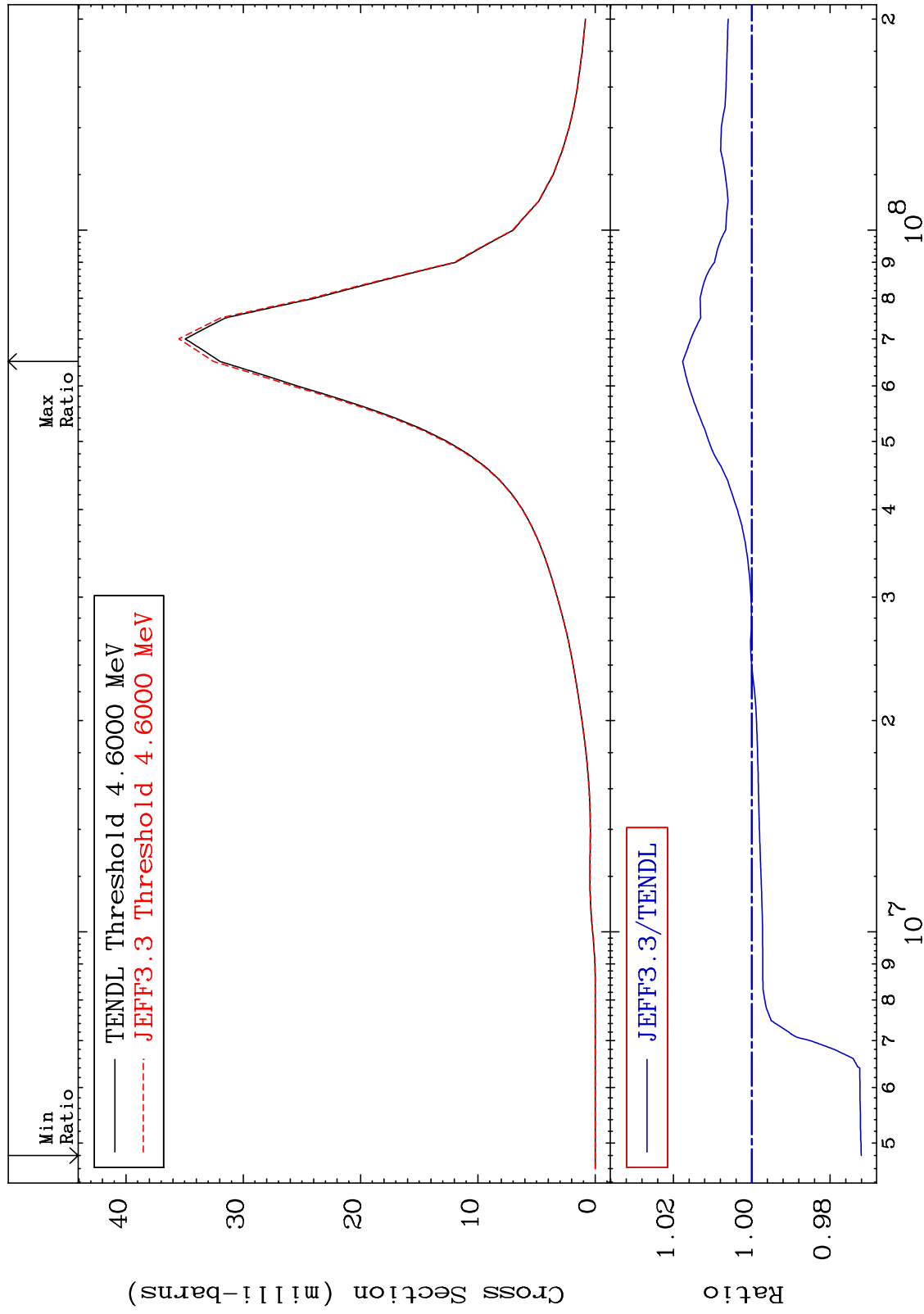
88-Ra-226
-99.96 To 9999. %



MAT 8834

(n,nf) Second Chance
Cross Section

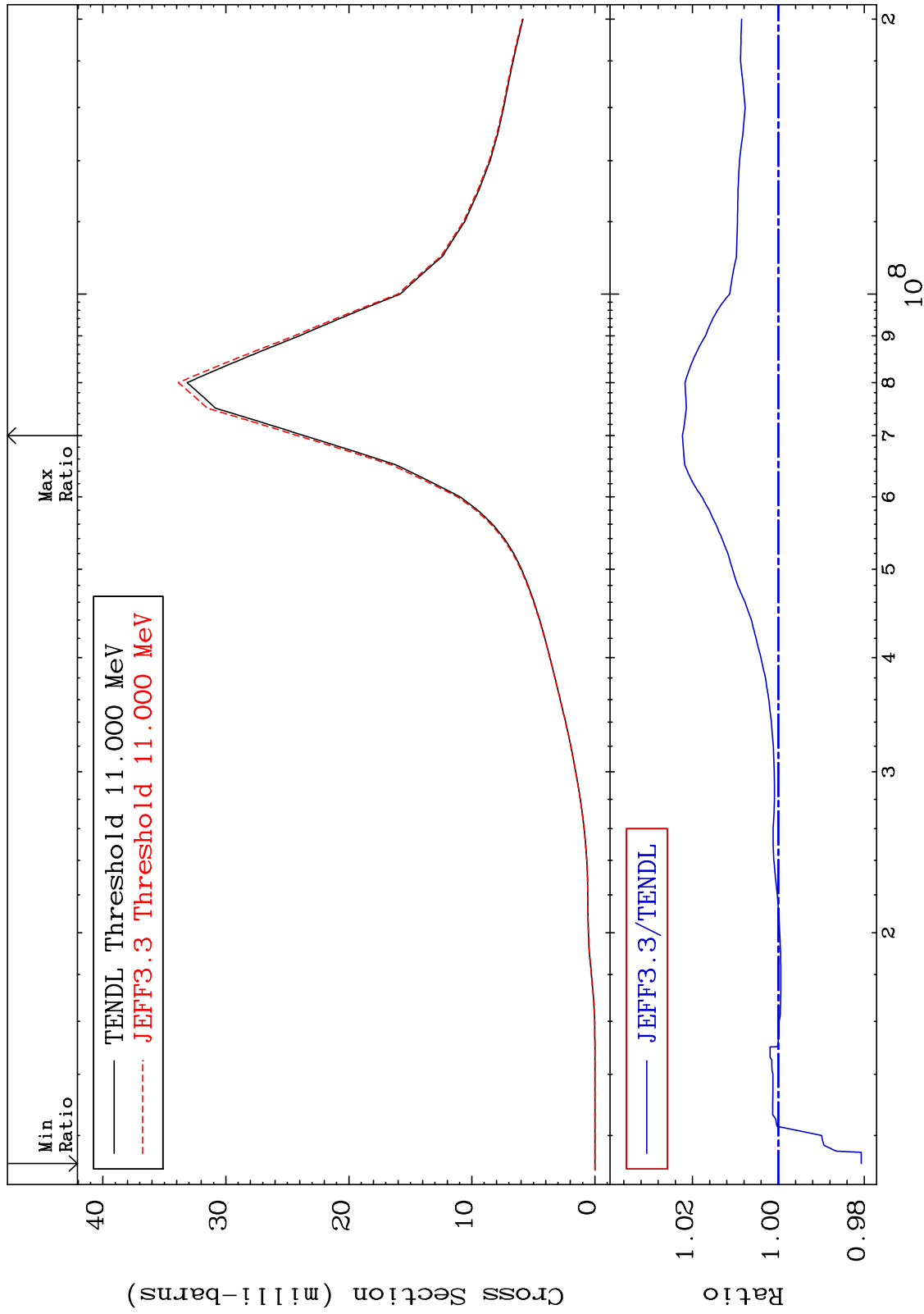
88-Ra-226
-2.796 To 1.763 %



MAT 8834

(n,2nf) Third Chance
Cross Section

88-Ra-226
-1.931 To 2.234 %



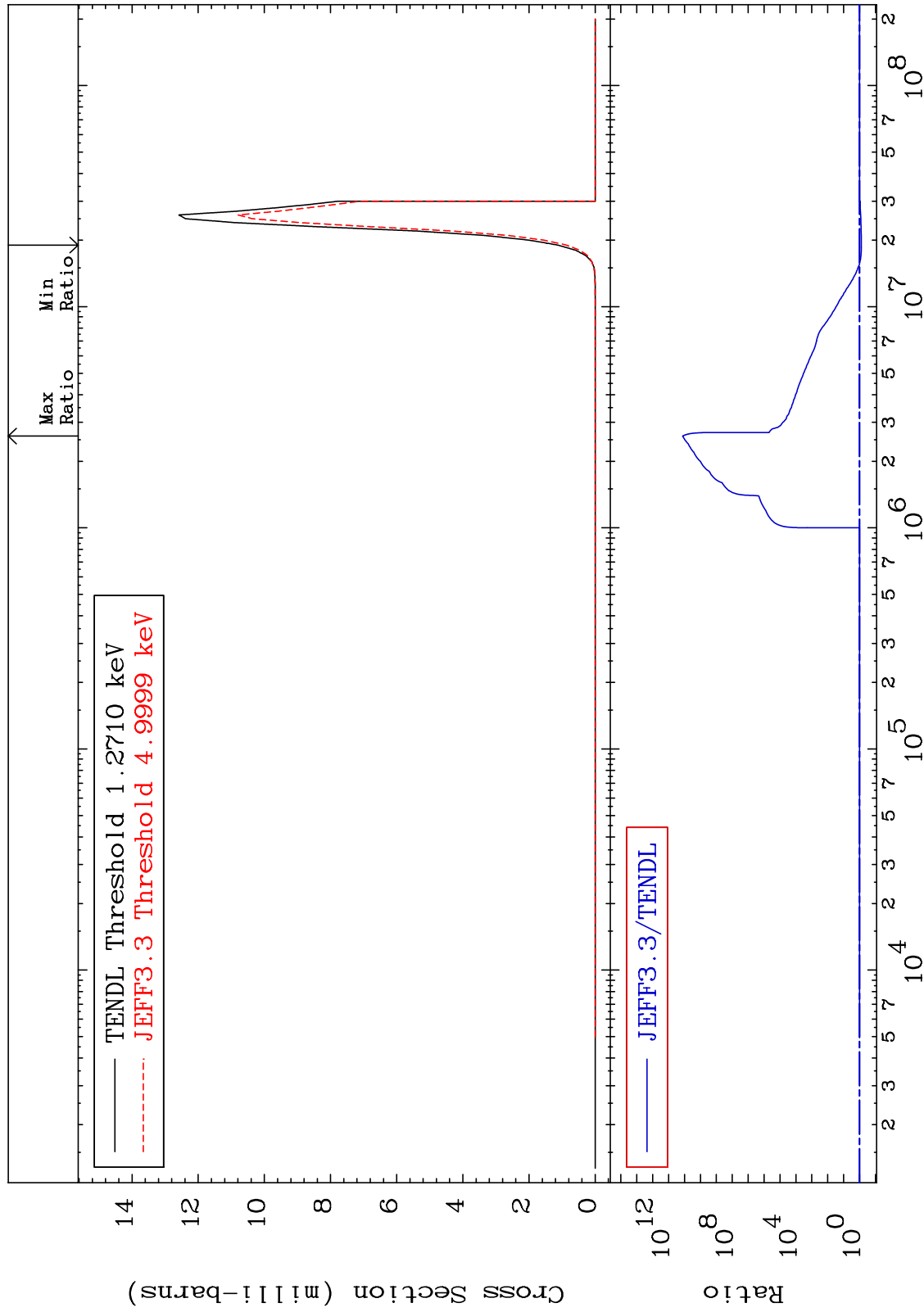
MAT 8834

$(n, n') \alpha$

88-Ra-226

Cross Section

-22.92 To 9999. %



12

Incident Energy (eV)

88-Ra-226

MAT 8834

(n,2n) α

88-Ra-226

-27.85 To 9999. %

Cross Section

Max Ratio

Min Ratio

TENDL Threshold 1.3056 MeV
JEFF3.3 Threshold 1.3052 MeV

Cross Section (milli-barns)

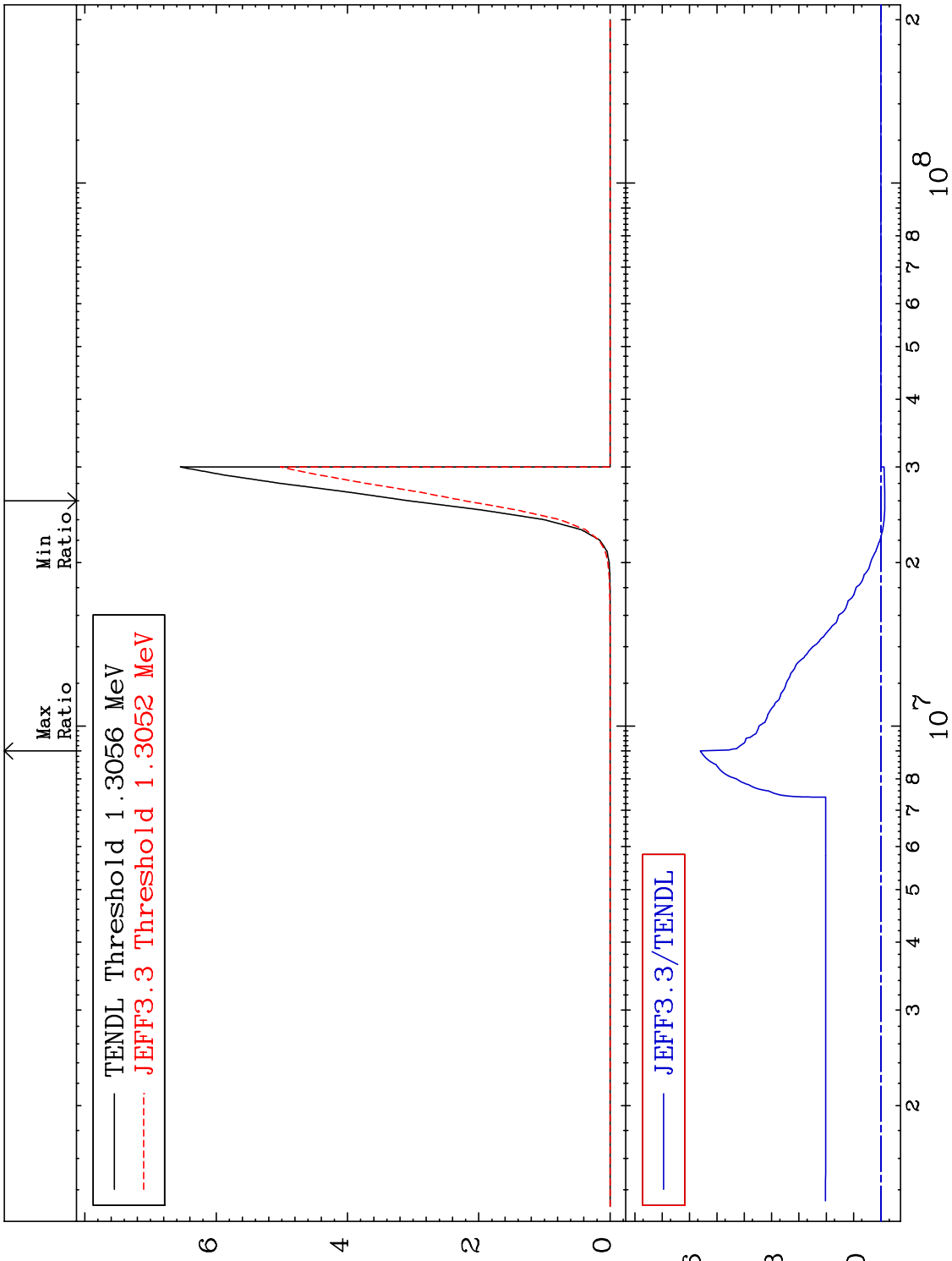
JEFF3.3/TENDL

Ratio

13

Incident Energy (eV)

88-Ra-226



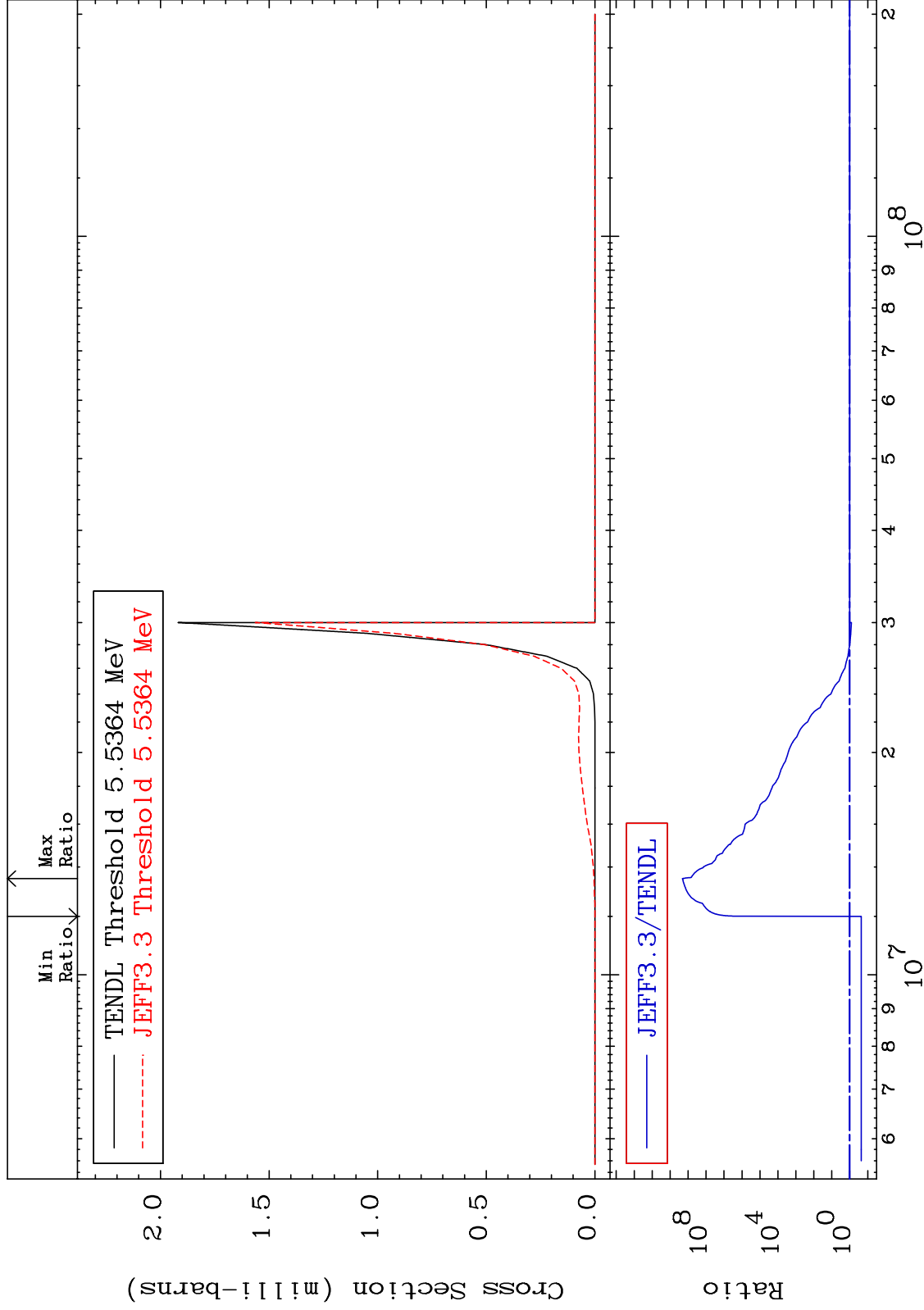
MAT 8834

(n,3n) α

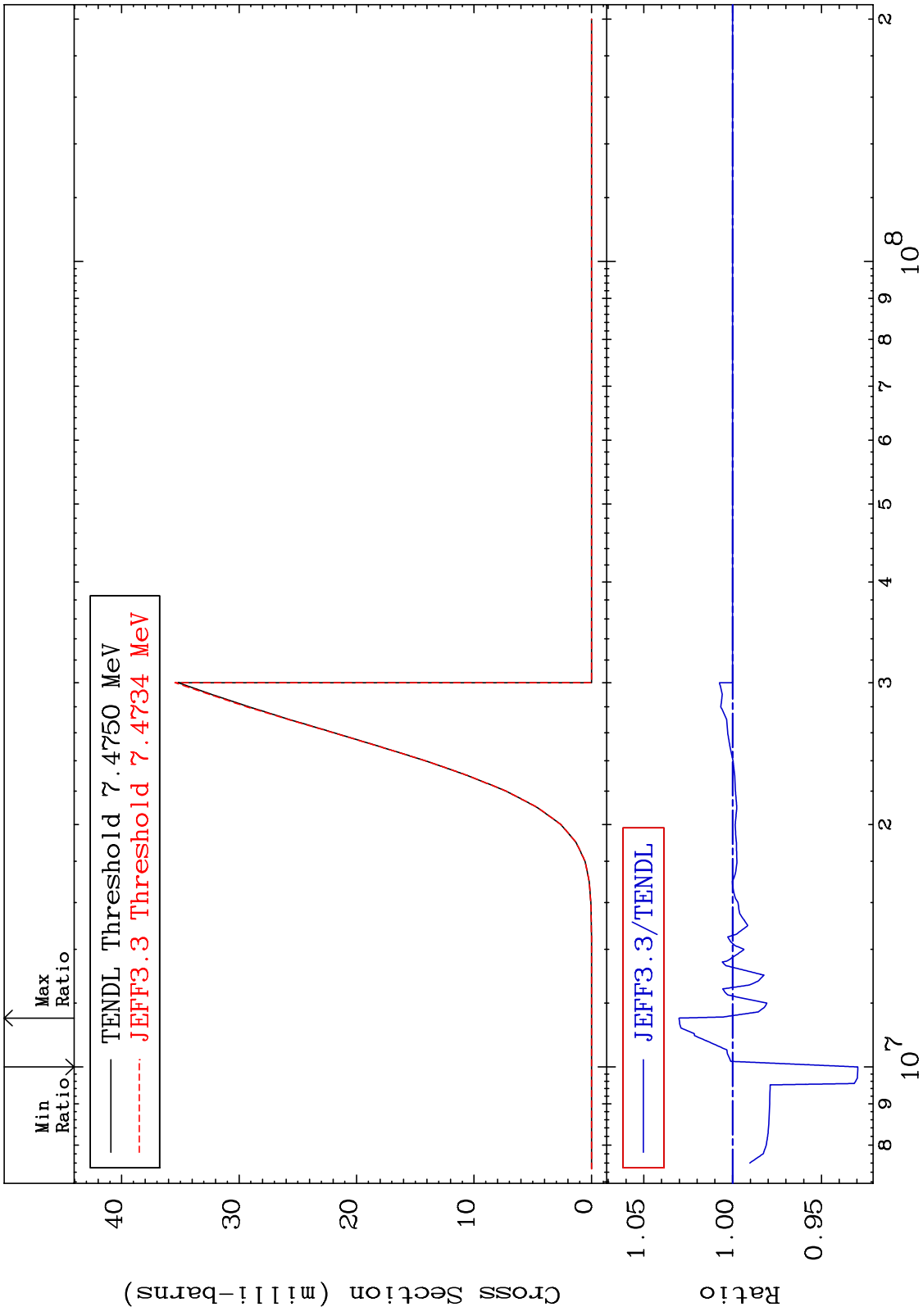
88-Ra-226

-77.19 To 9999. %

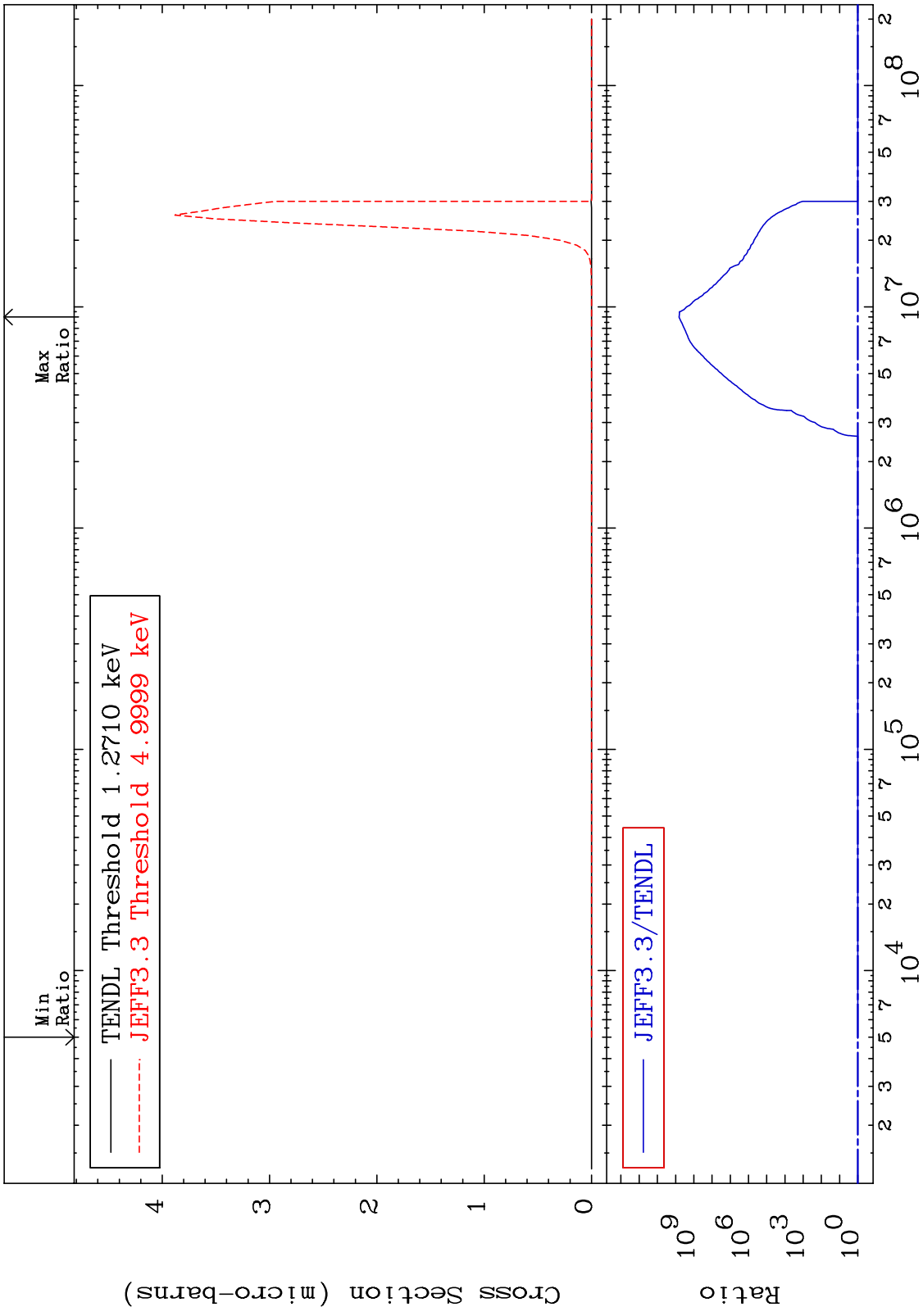
Cross Section



MAT 8834 (n, n') p 88-Ra-226
 Cross Section -7.047 To 3.015 %



MAT 8834 $(n, n') 2\alpha$ Cross Section 88-Ra-226 To 9999. %



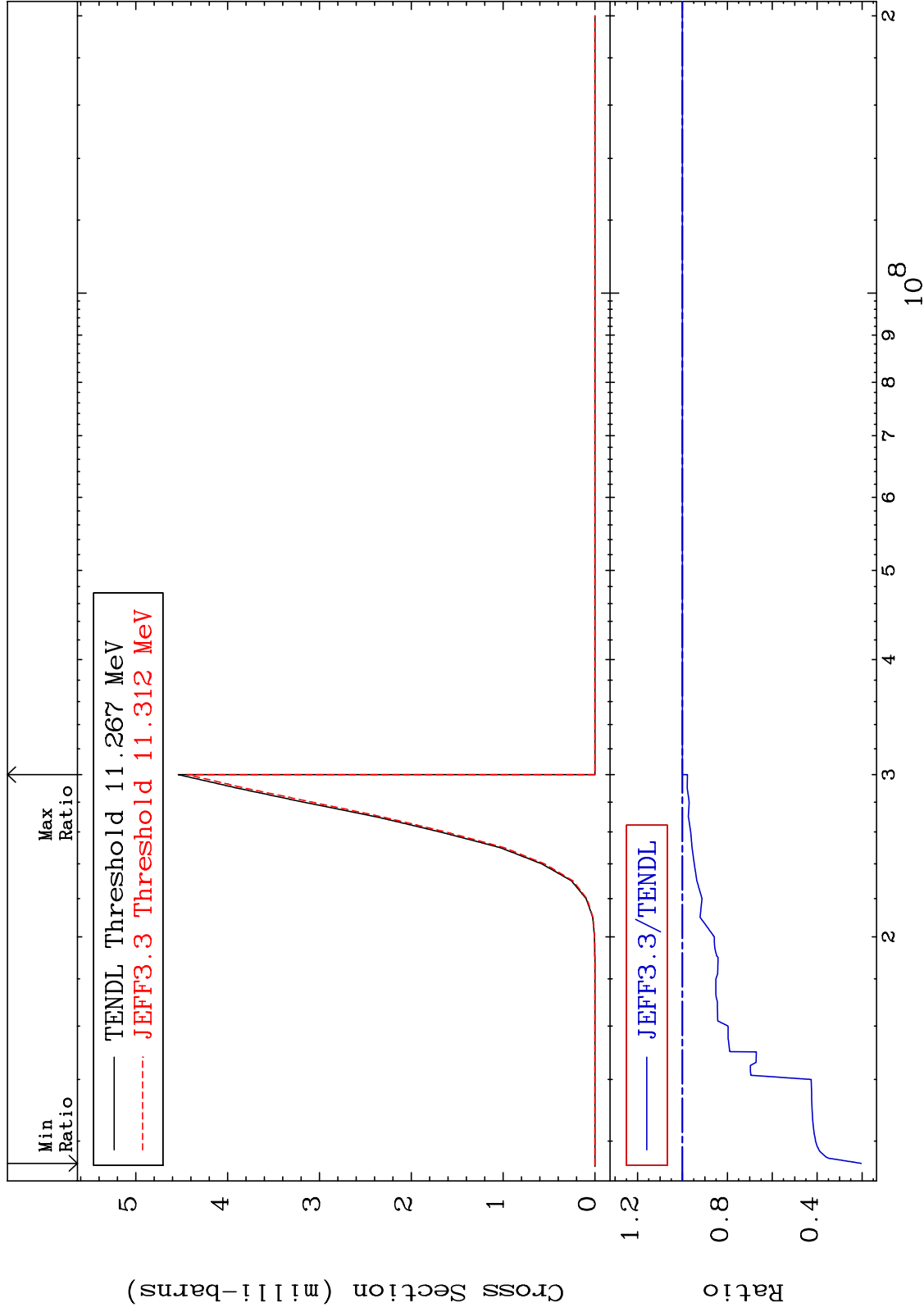
MAT 8834

(n, n') d

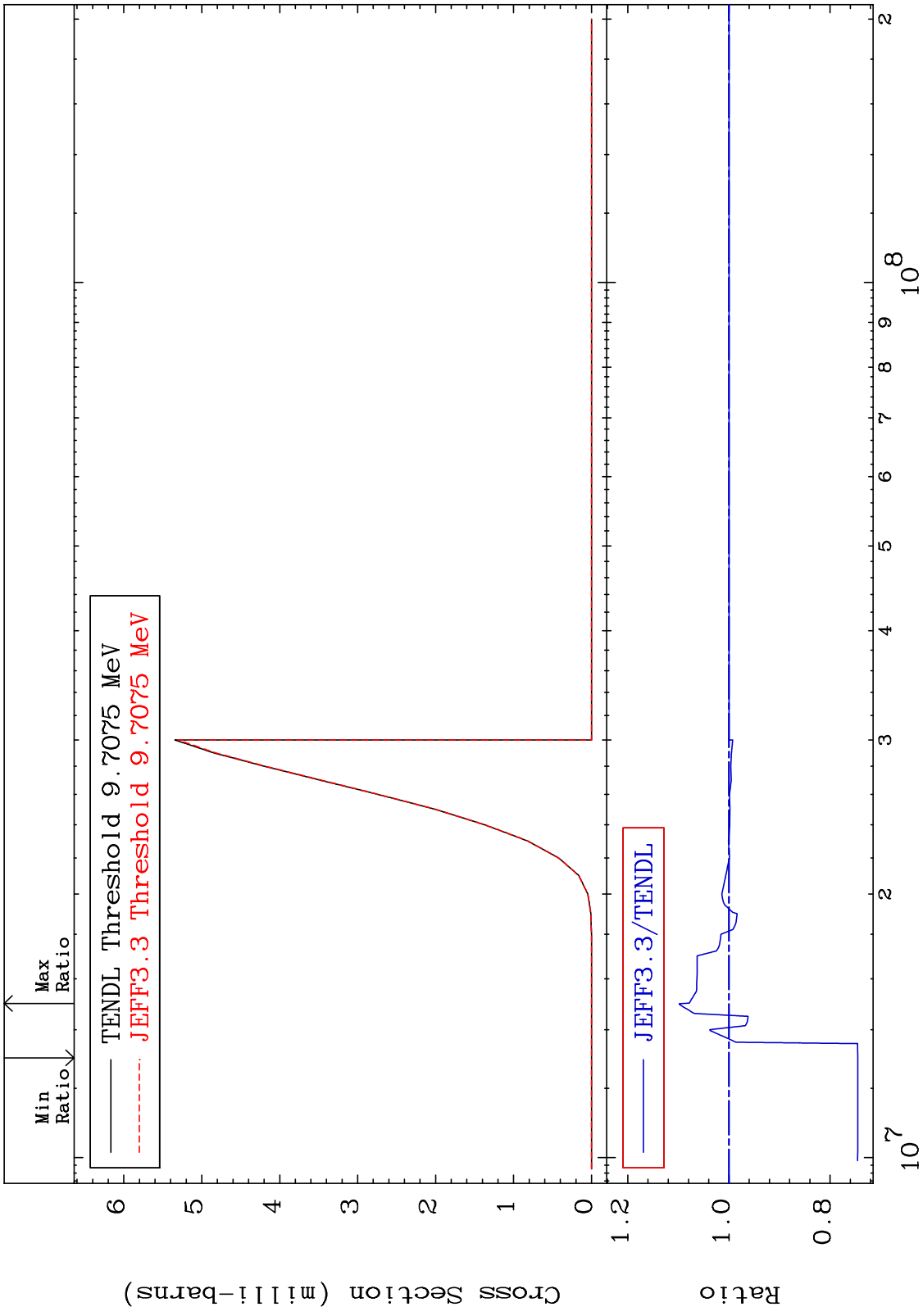
88-Ra-226

Cross Section

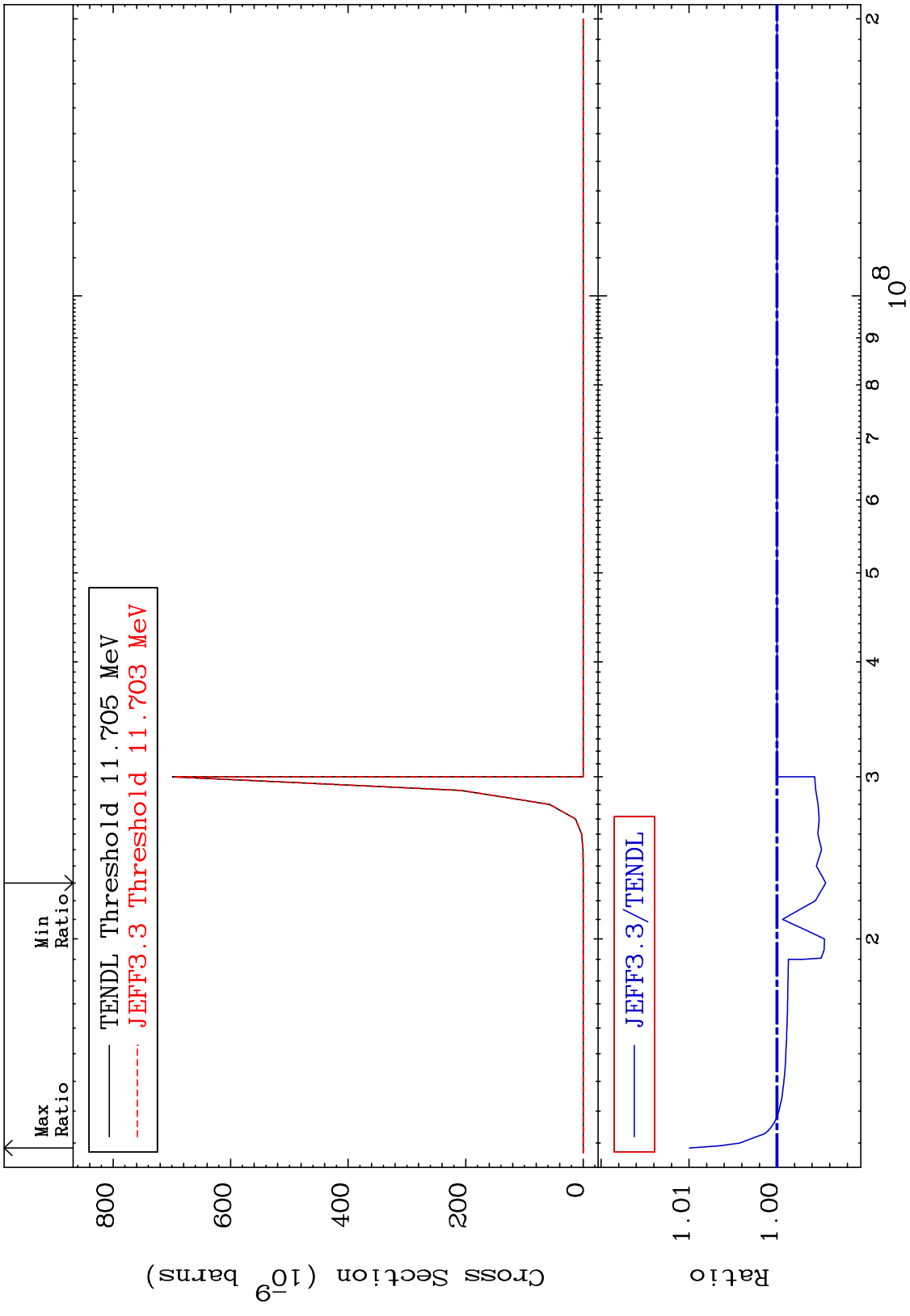
-79.65 To 0.000 %



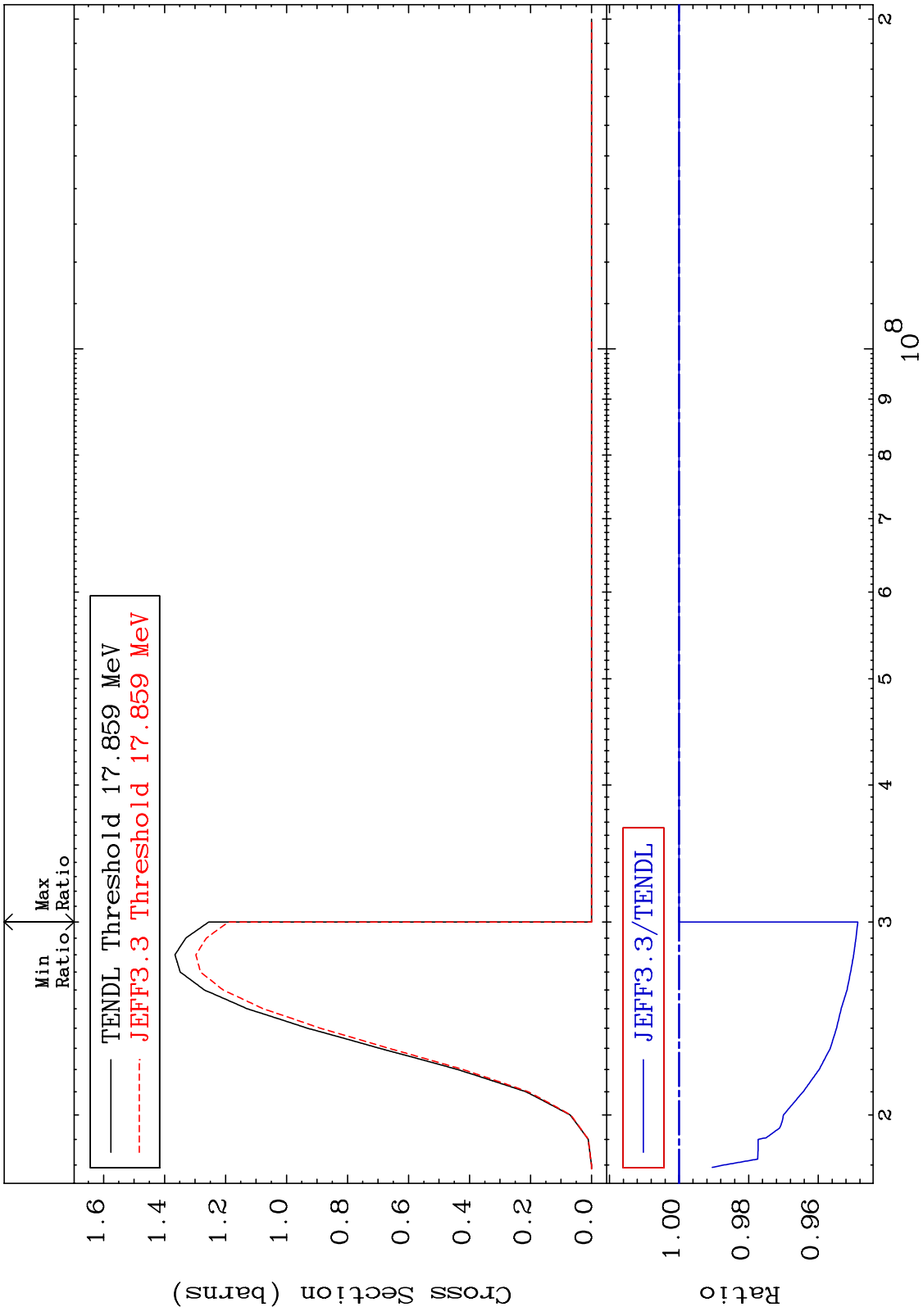
MAT 8834 (n, n') t 88-Ra-226
 Cross Section -25.49 To 9.869 %



18 88-Ra-226



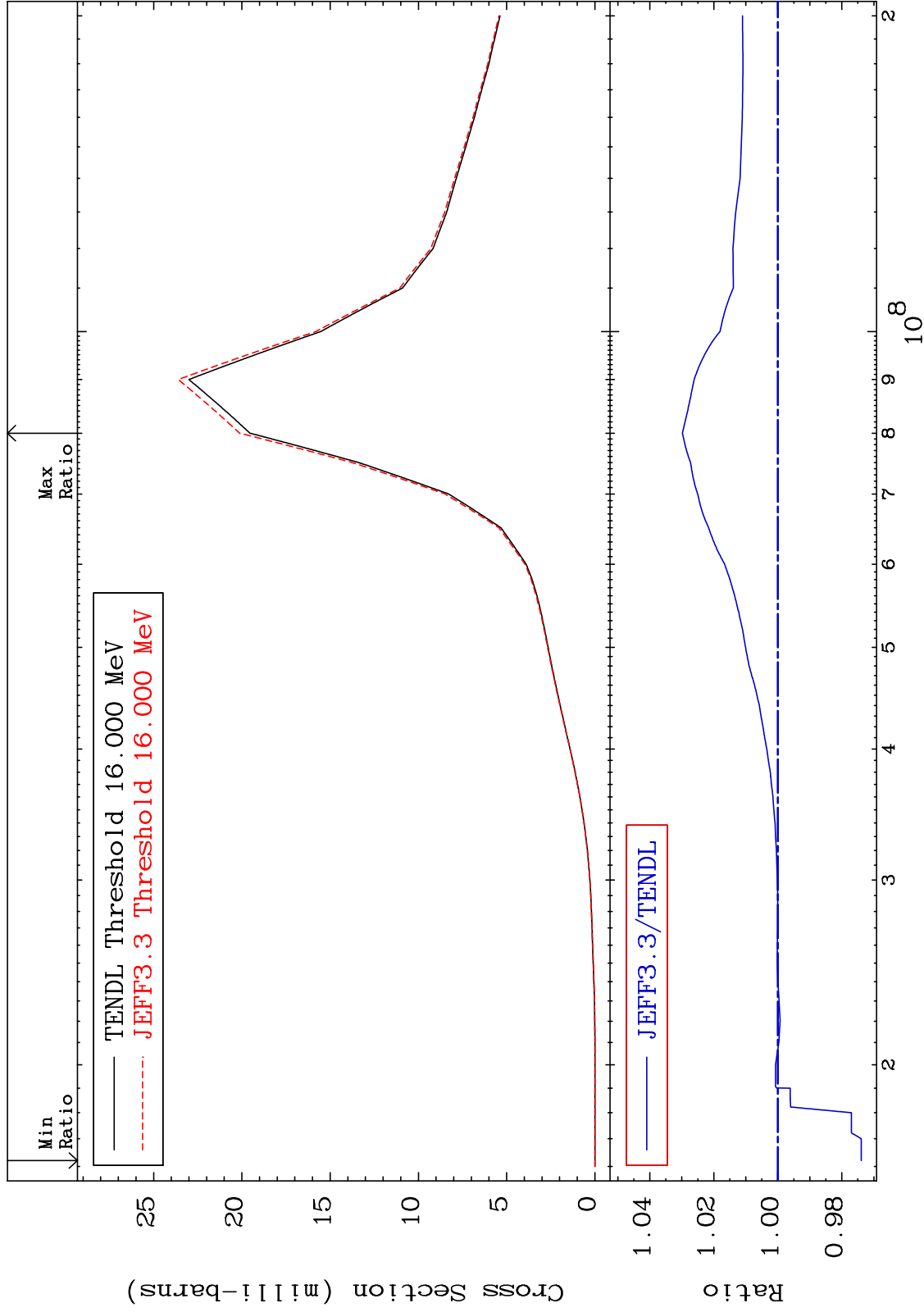
MAT 8834 (n,4n) Cross Section 88-Ra-226 -5.139 To 0.000 %



MAT 8834

(n,3nf) Fourth Chance
Cross Section

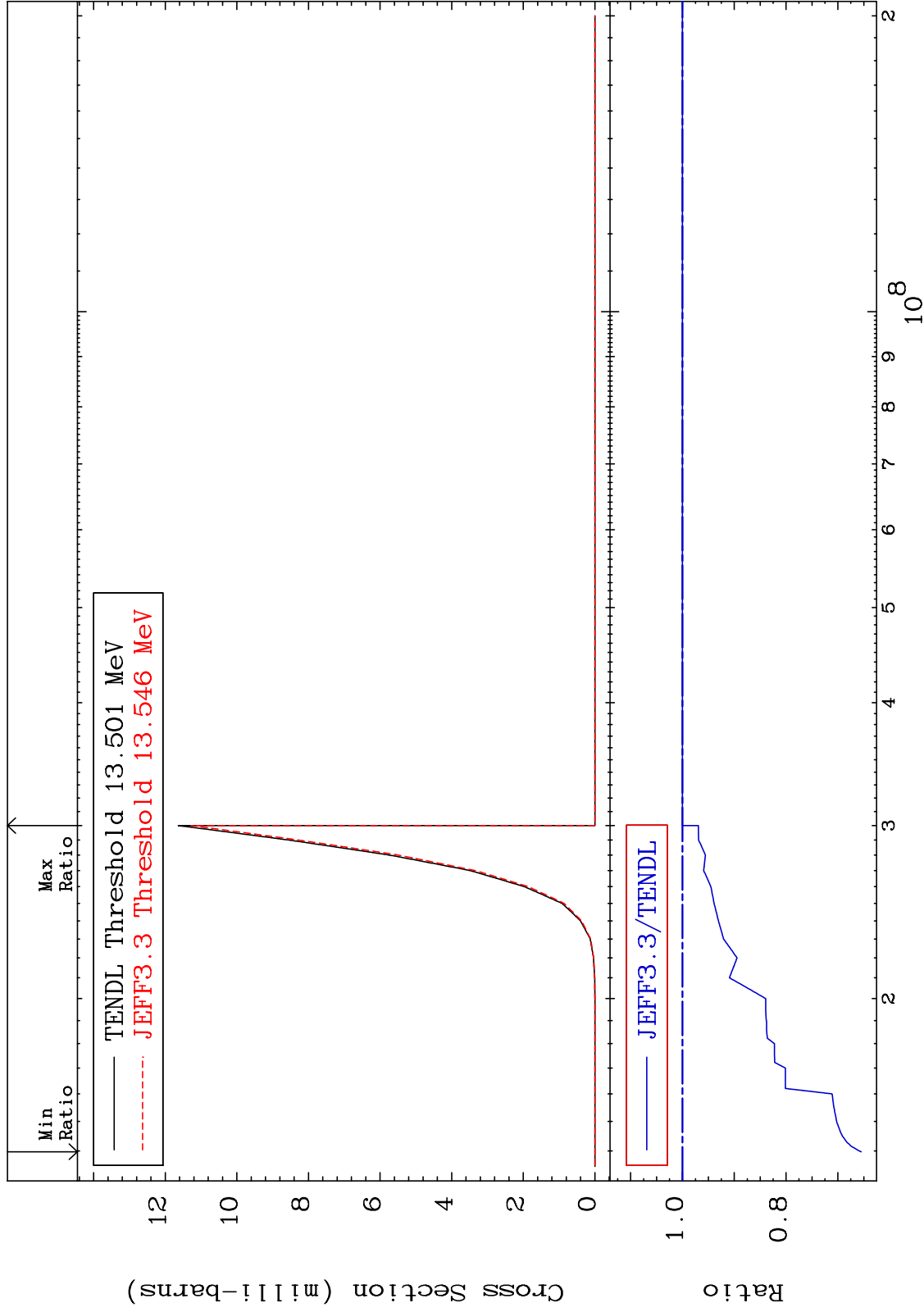
88-Ra-226
-2.608 To 2.980 %



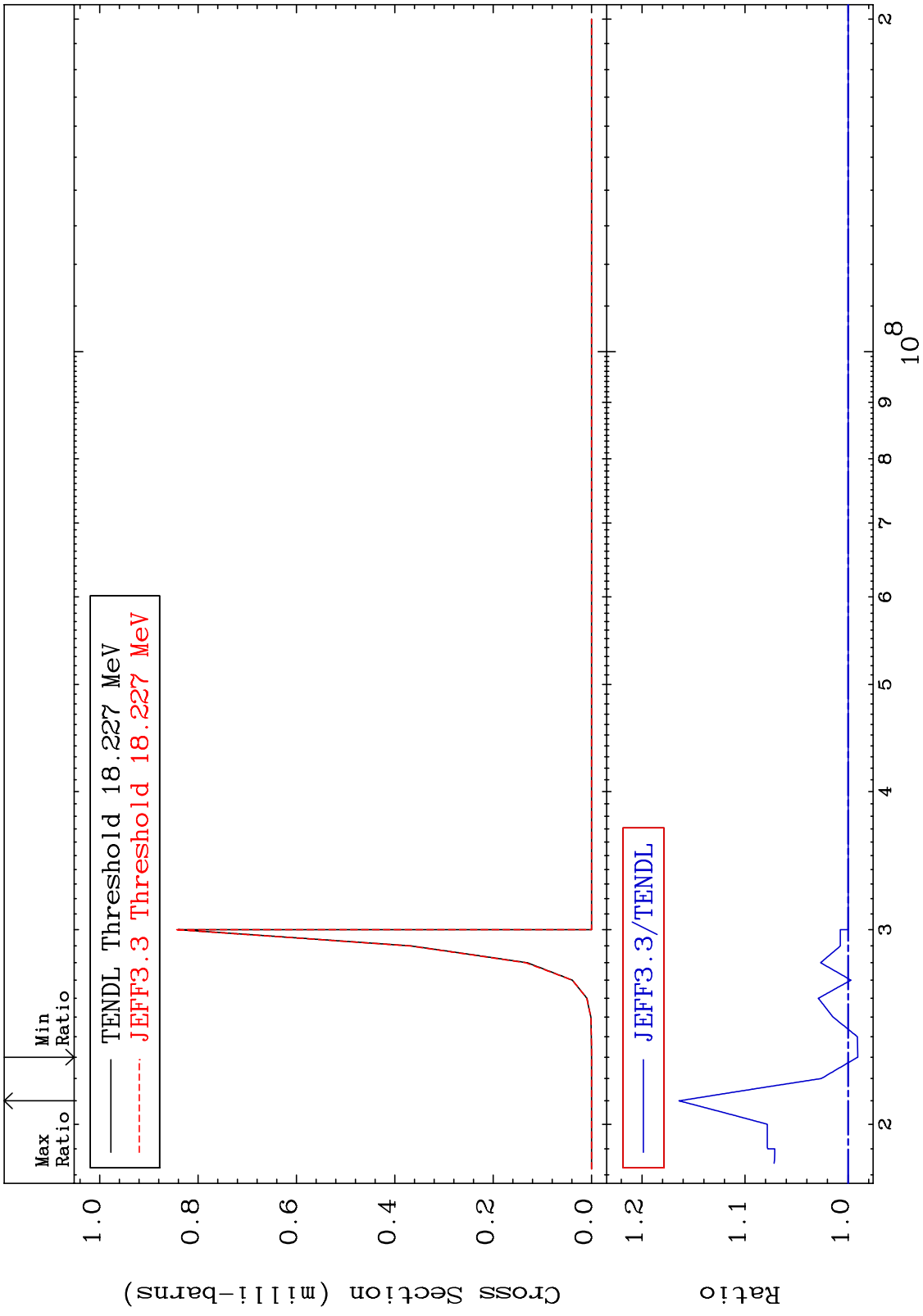
MAT 8834

(n,2n) p
Cross Section

88-Ra-226
-34.52 To 0.000 %



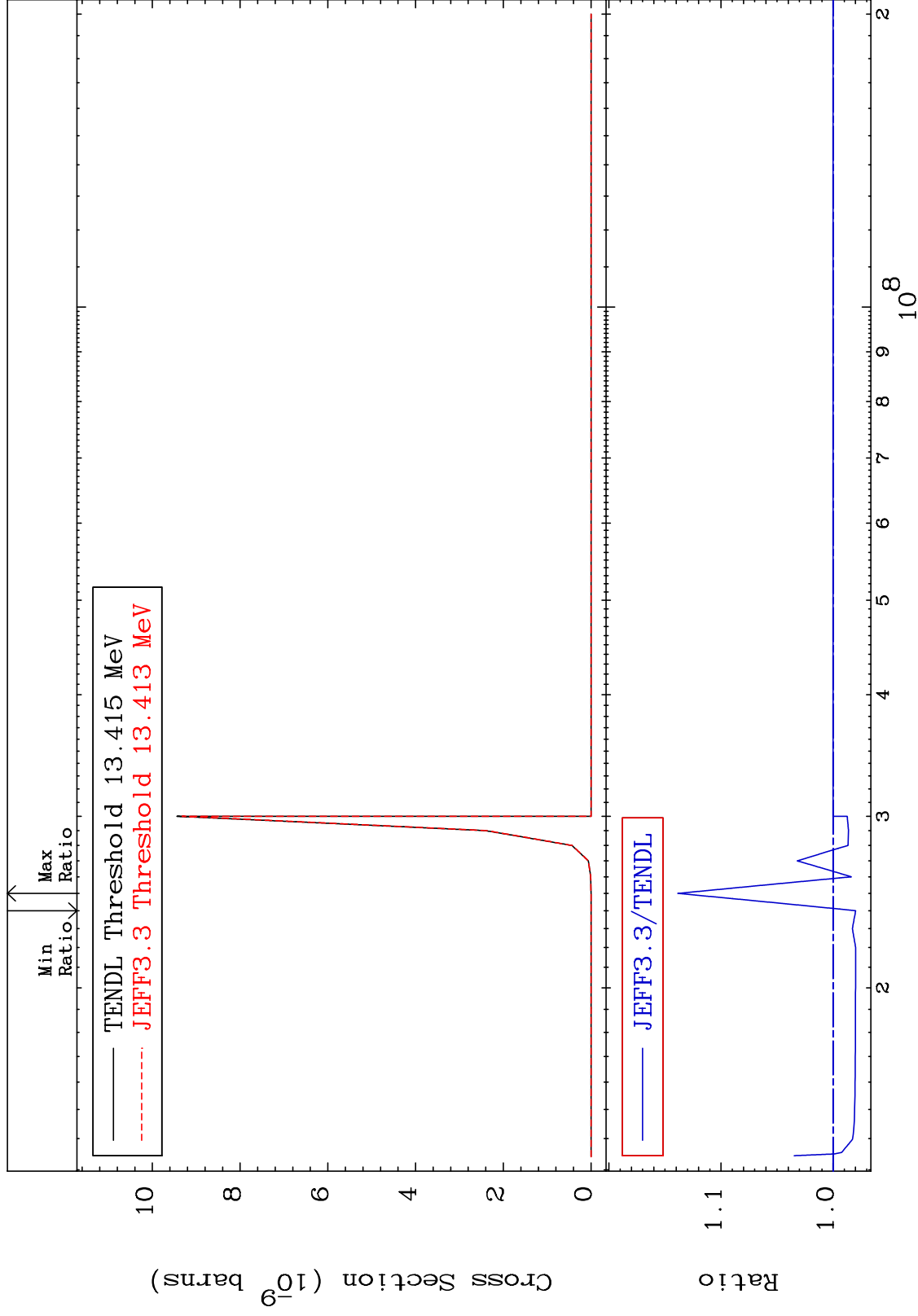
MAT 8834 (n,3n) p 88-Ra-226
 Cross Section -0.943 To 16.40 %



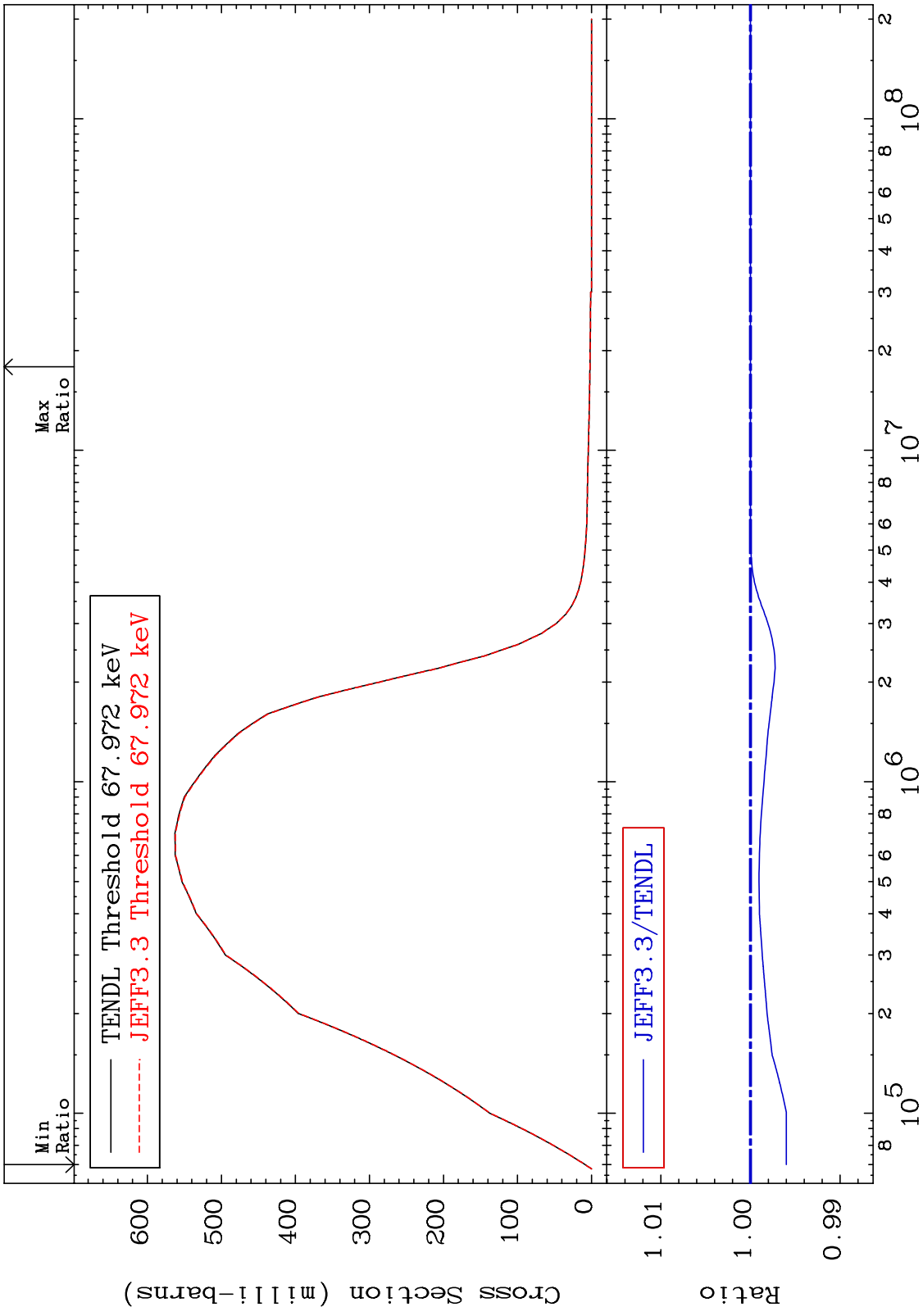
MAT 8834

(n,2n) p
Cross Section

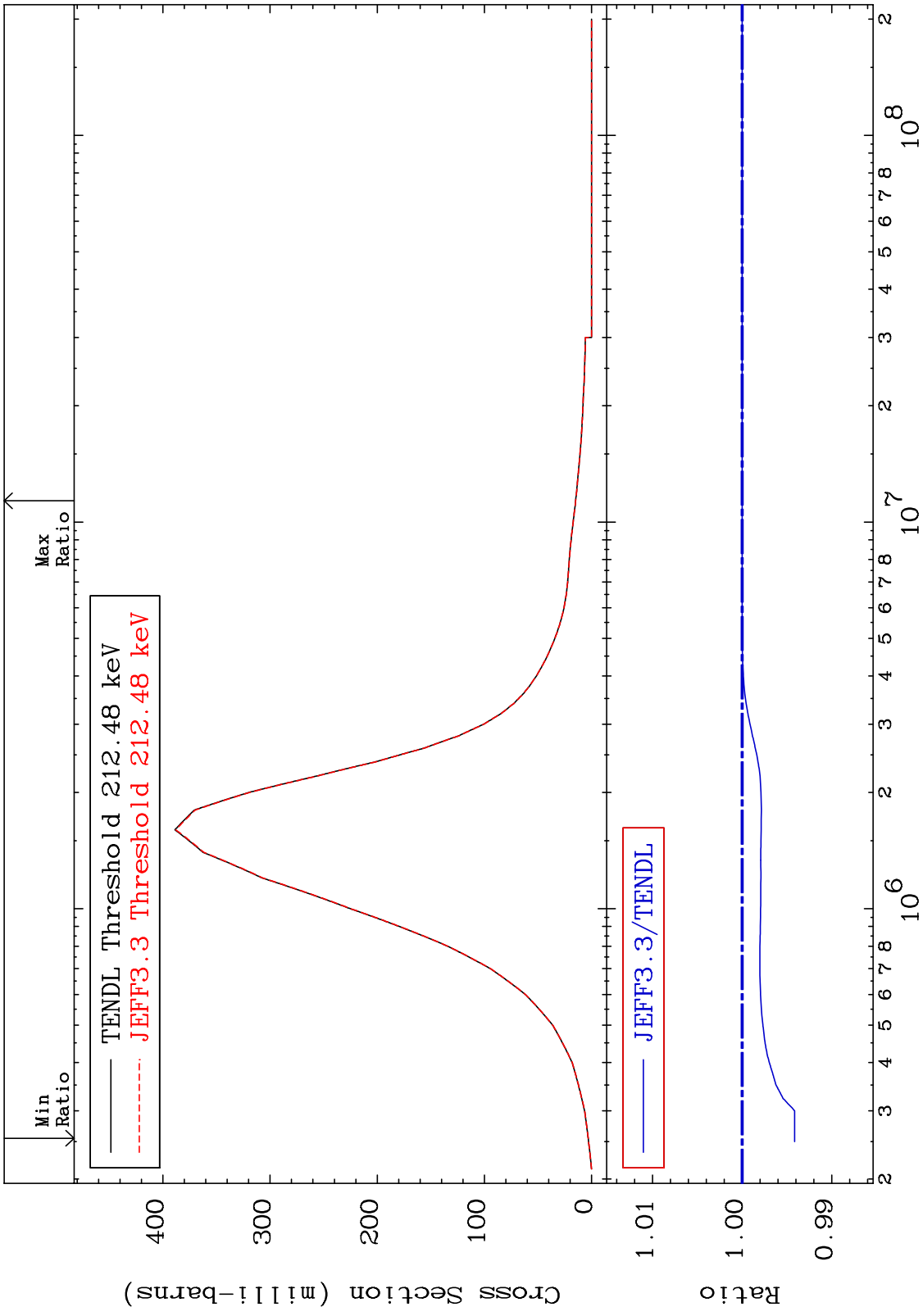
88-Ra-226
-2.015 To 13.84 %



MAT 8834 MT= 51 (n,n') Level Cross Section 88-Ra-226
 -0.401 To 0.000 %



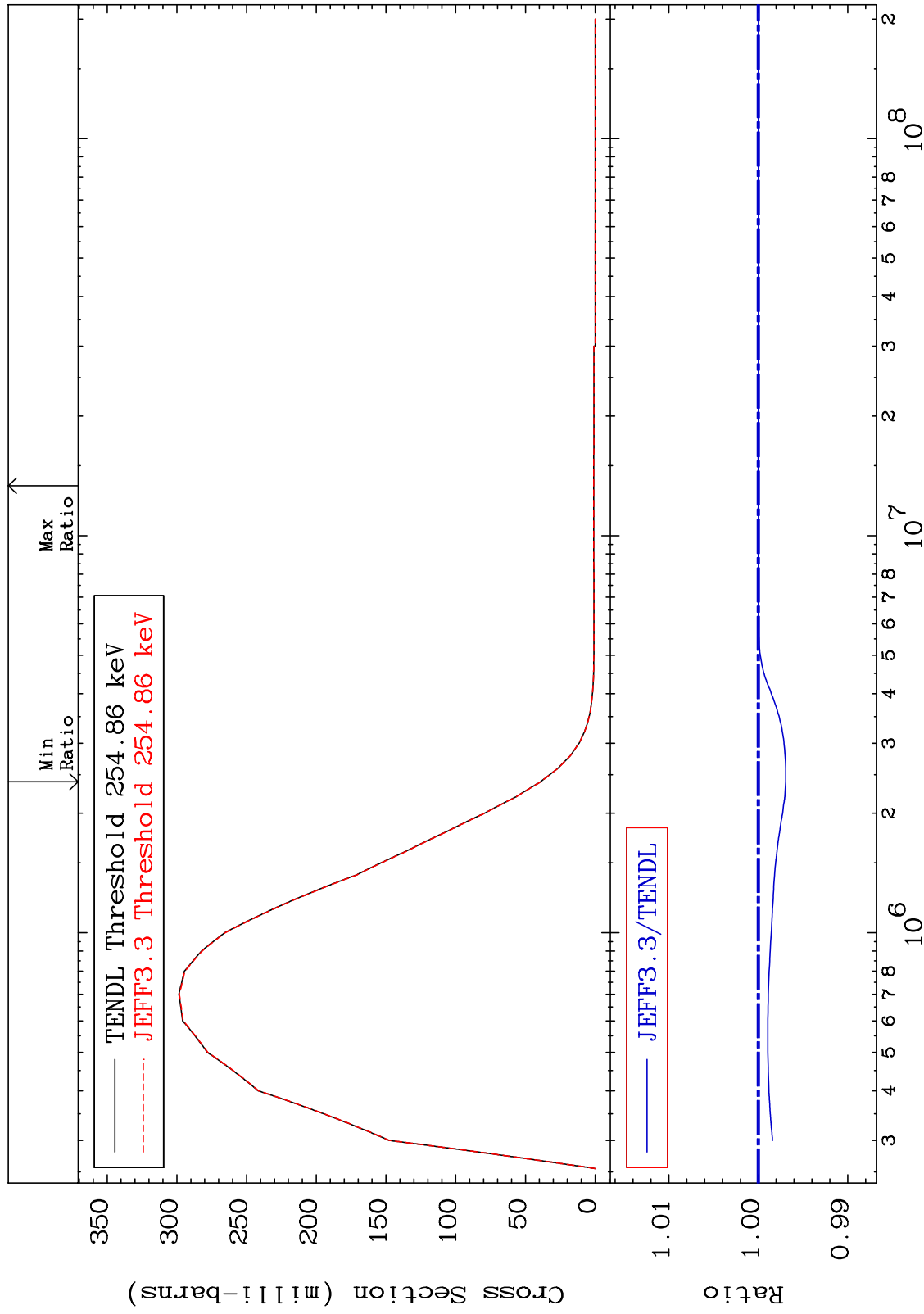
MAT 8834 MT= 52 (n,n') Level Cross Section 88-Ra-226
 -0.586 To 0.000 %



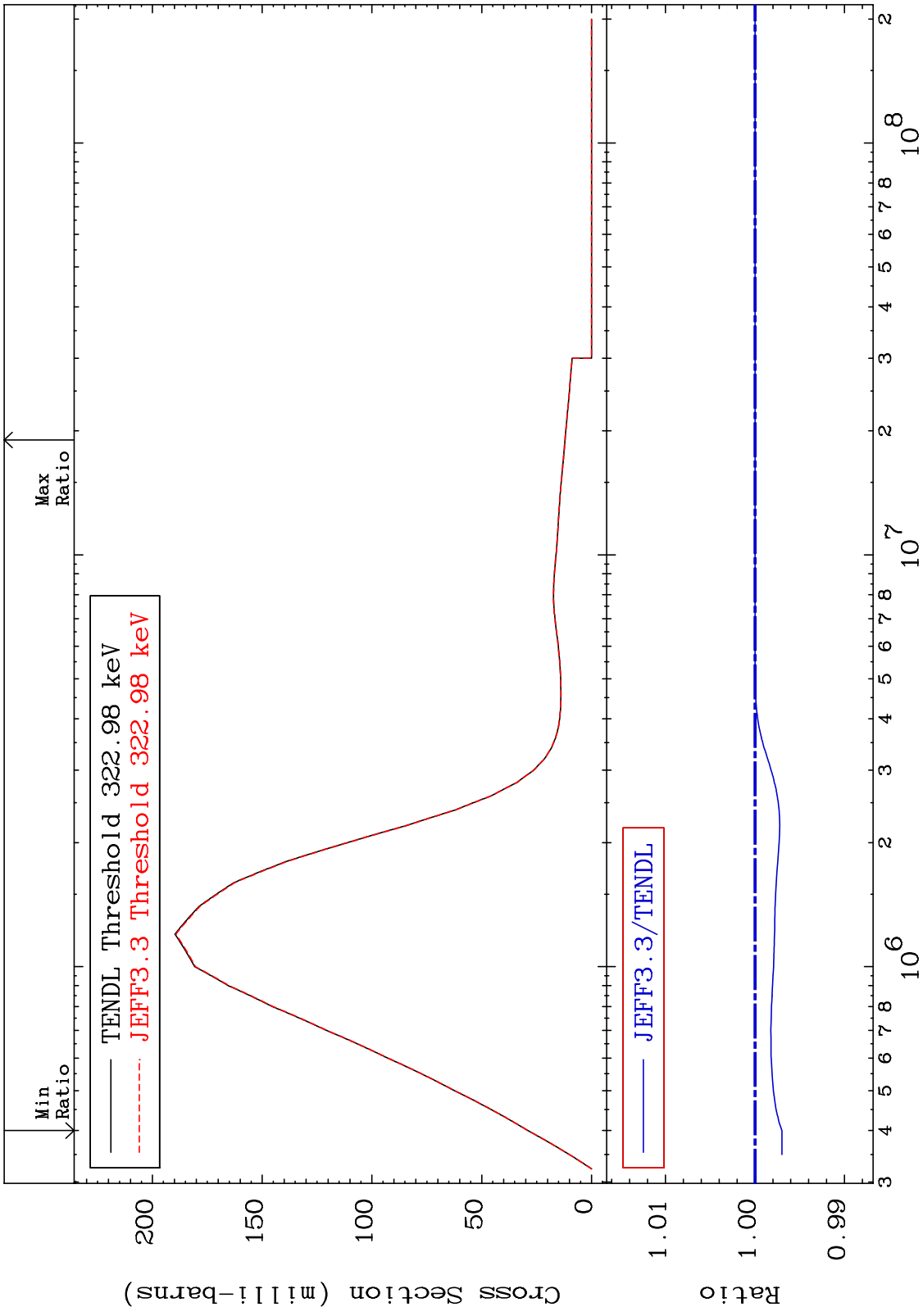
MAT 8834

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

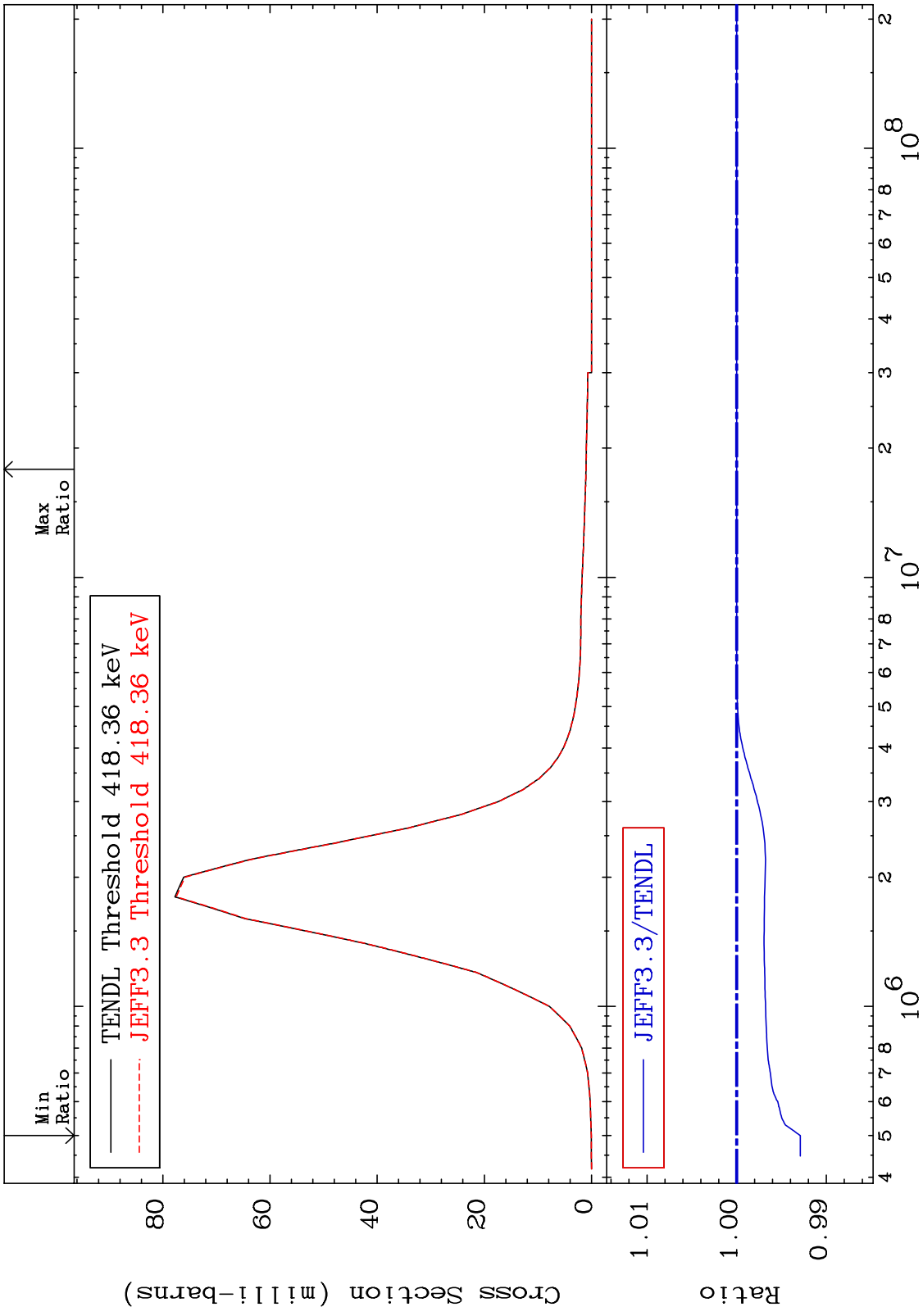
88-Ra-226
-0.307 To 0.000 %



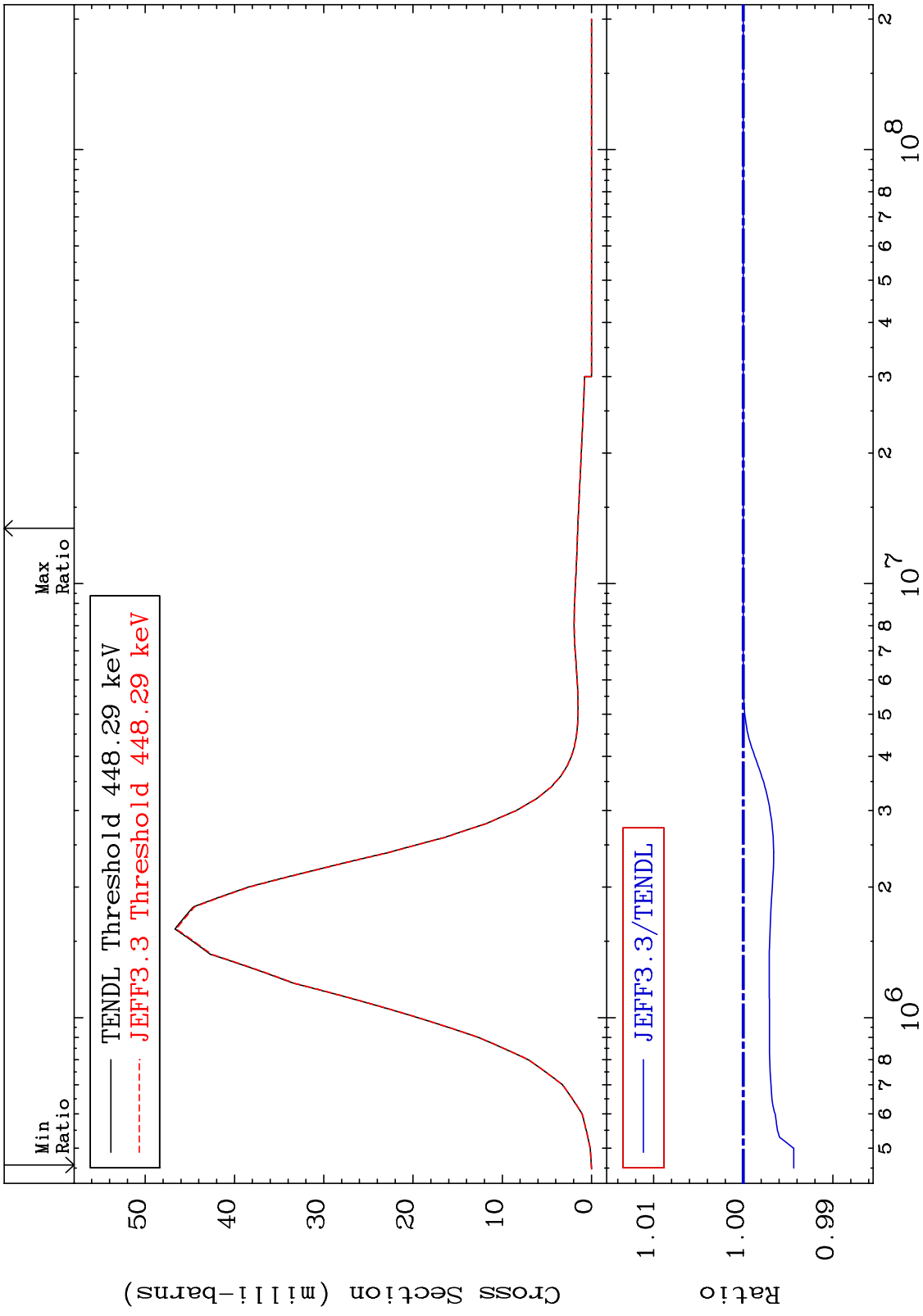
MAT 8834 MT= 54 (n,n') Level Cross Section 88-Ra-226
 -0.301 To 0.000 %



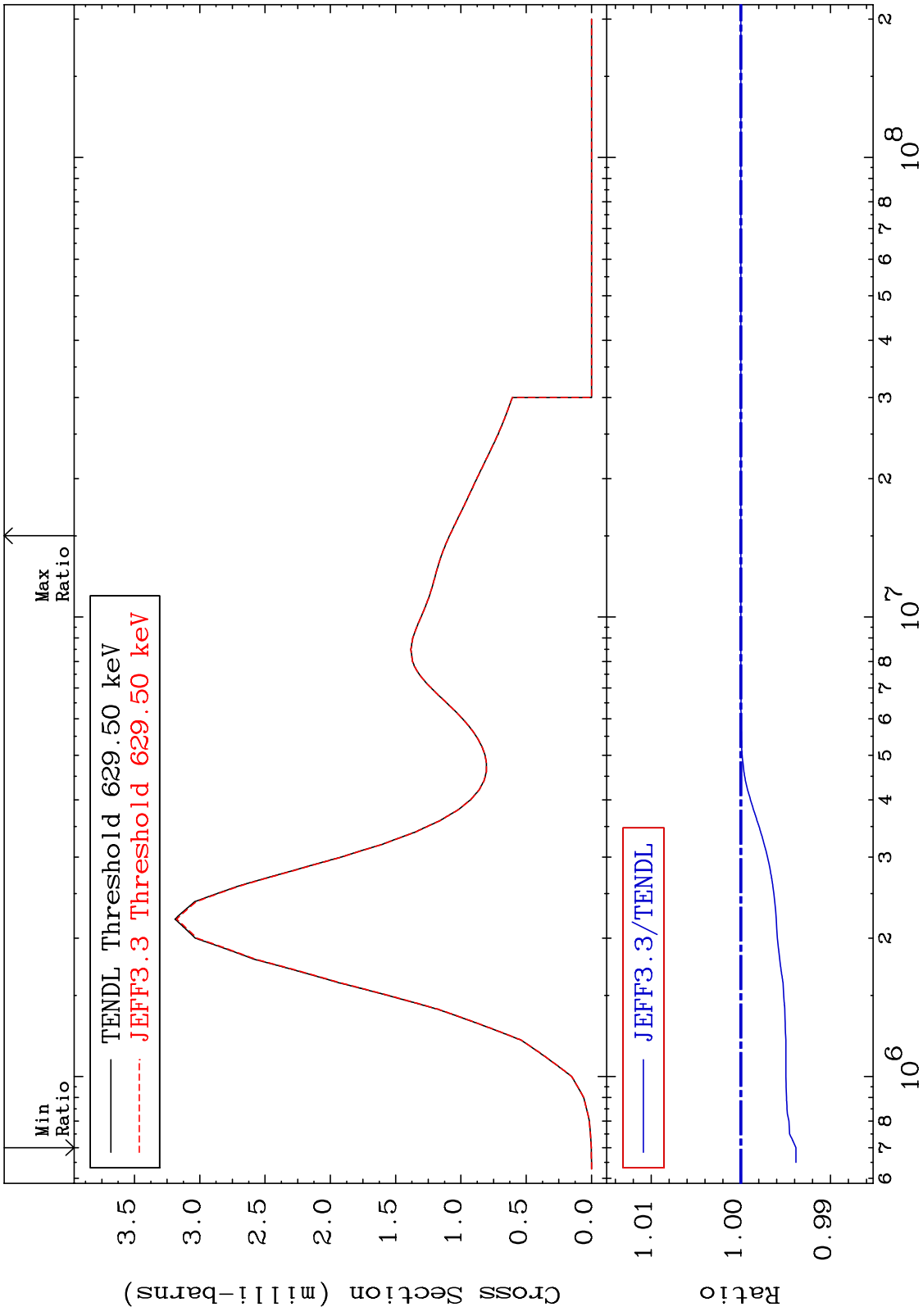
MAT 8834 MT= 55 (n,n') Level Cross Section 88-Ra-226
 -0.708 To 0.000 %



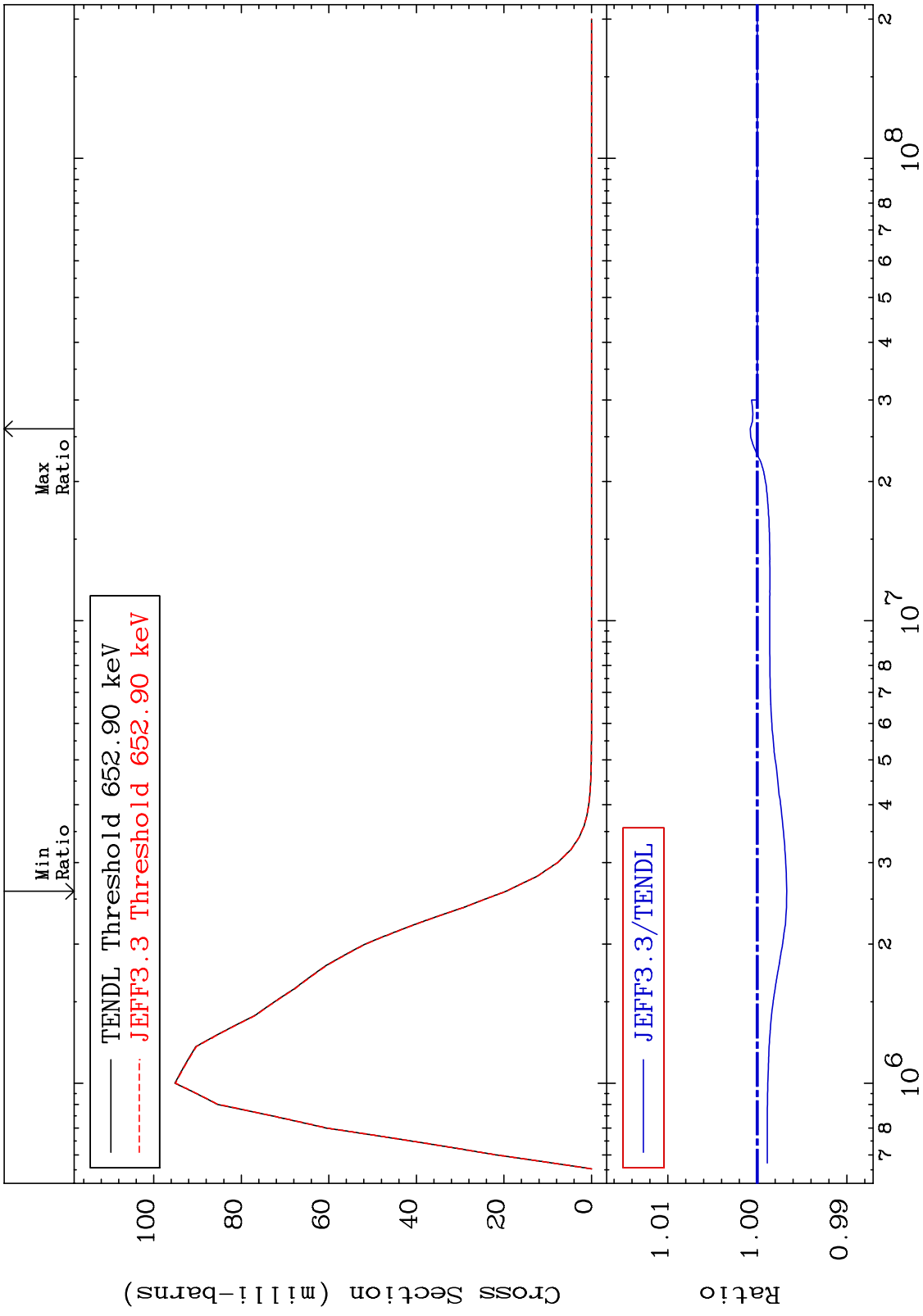
MAT 8834 MT= 56 (n,n') Level Cross Section 88-Ra-226
 -0.562 To 0.000 %



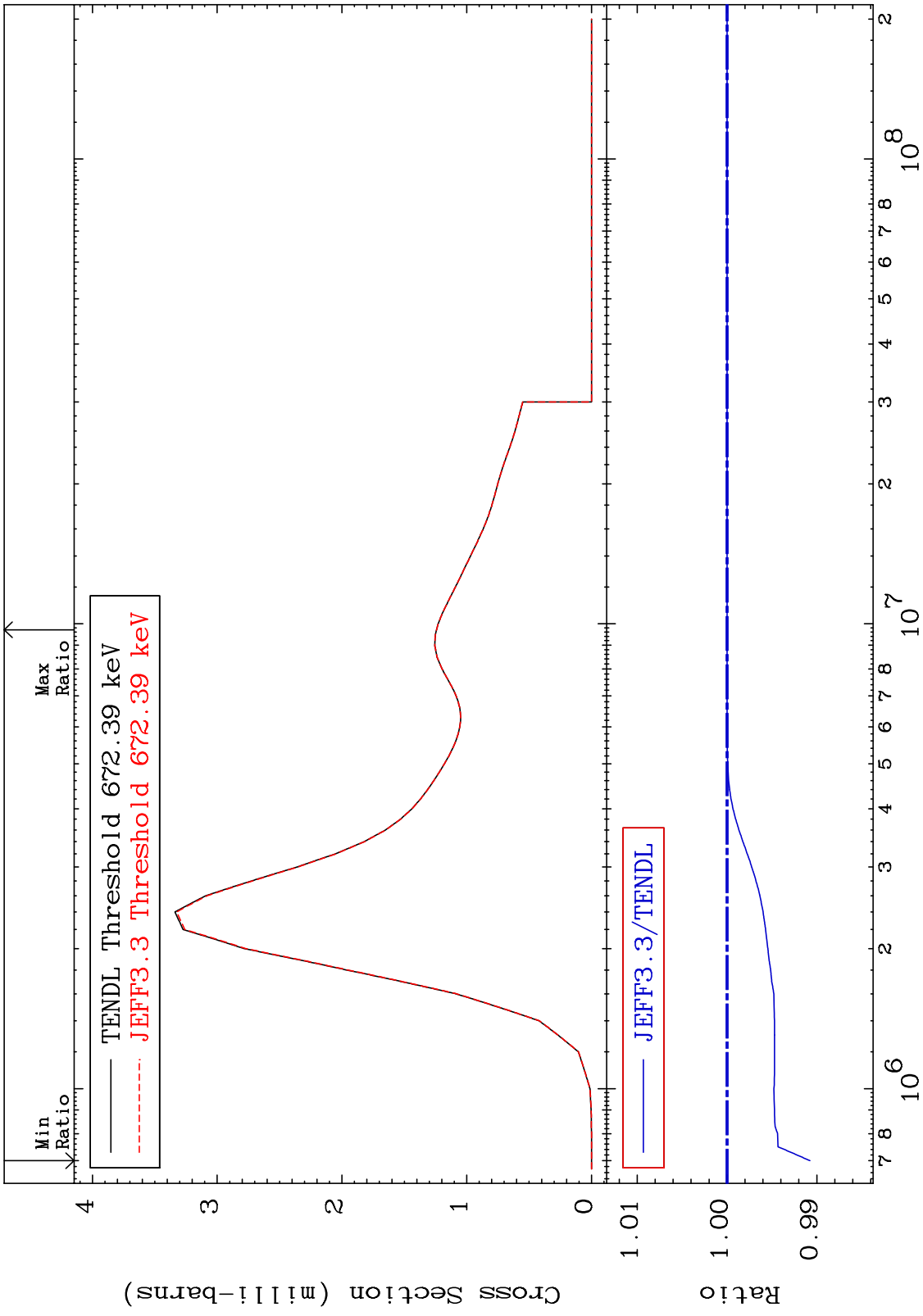
MAT 8834 MT= 57 (n, n') Level Cross Section 88-Ra-226
 -0.615 To 0.000 %



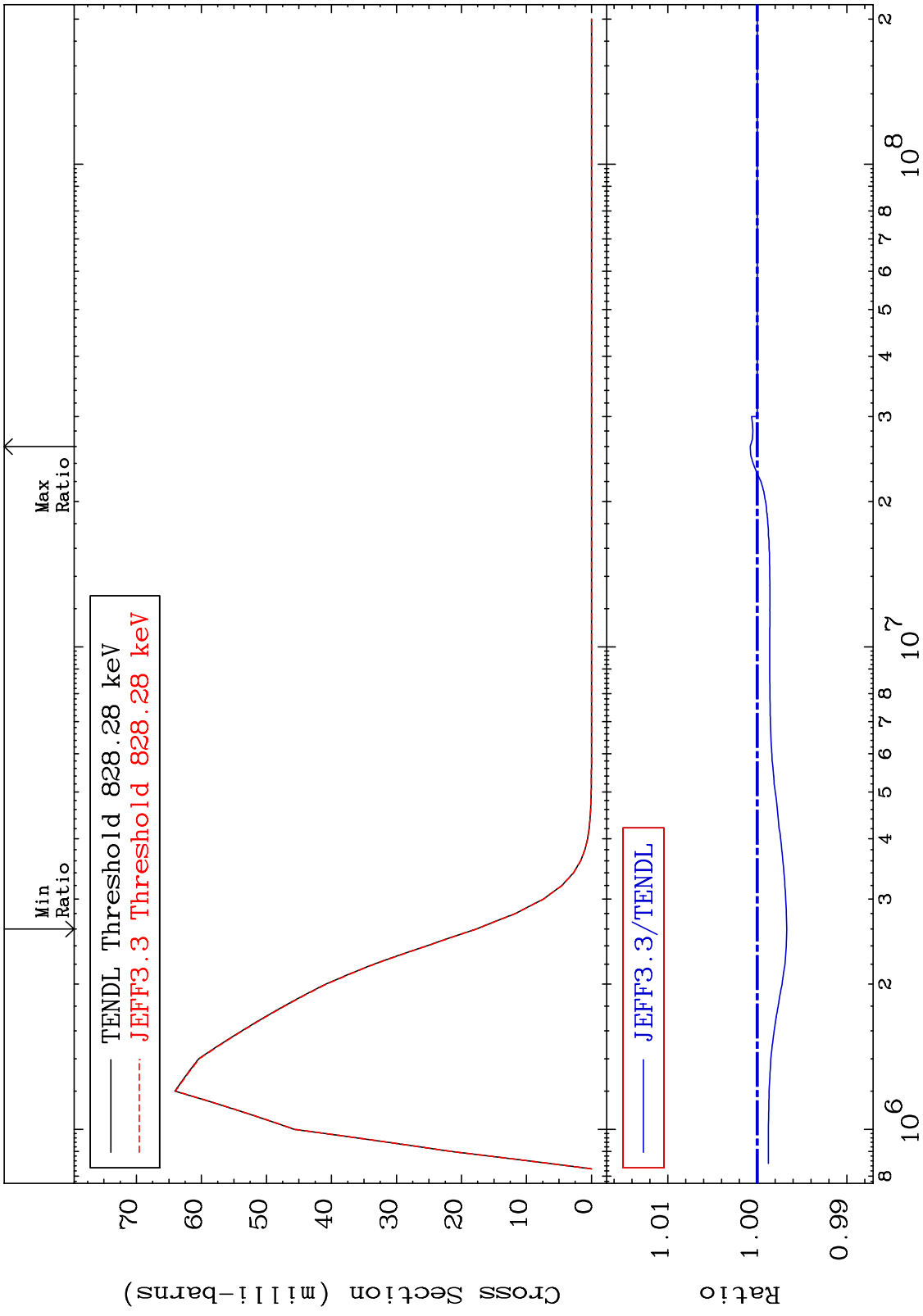
MAT 8834 MT= 58 (n,n') Level Cross Section 88-Ra-226
 -0.328 To 0.080 %



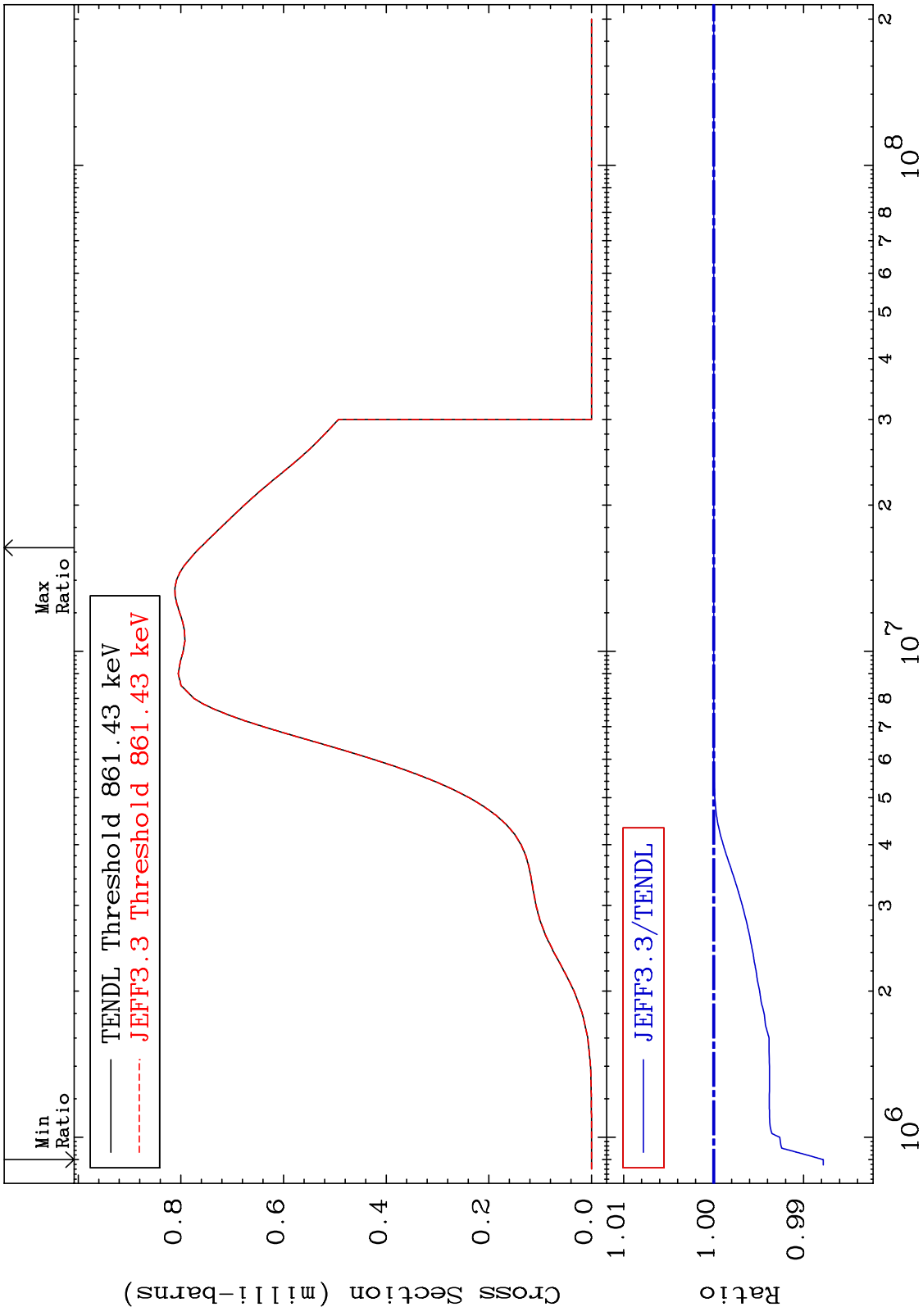
MAT 8834 MT= 59 (n, n') Level Cross Section 88-Ra-226
 -0.923 To 0.000 %



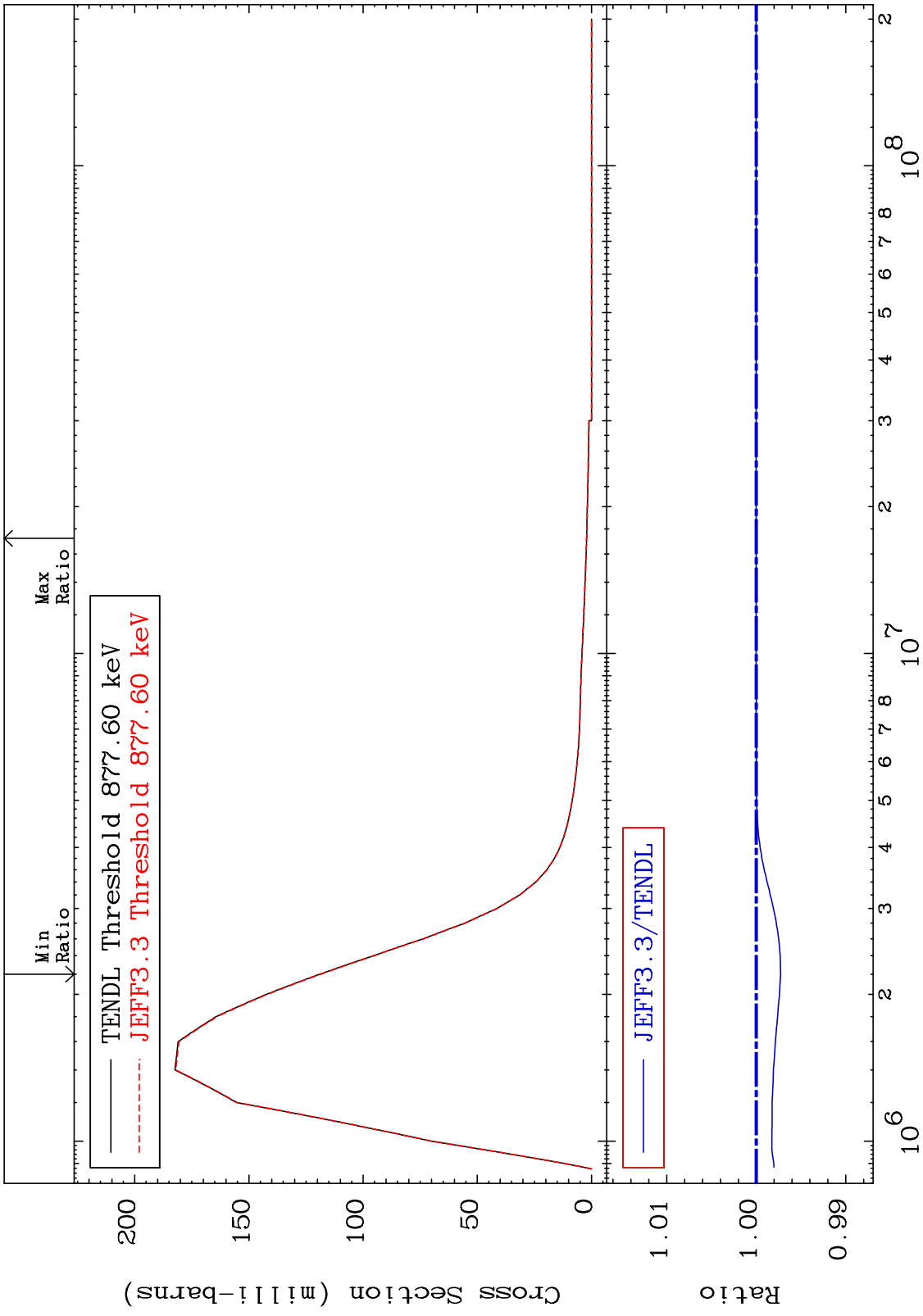
MAT 8834 MT= 60 (n,n') Level Cross Section 88-Ra-226 -0.328 To 0.079 %



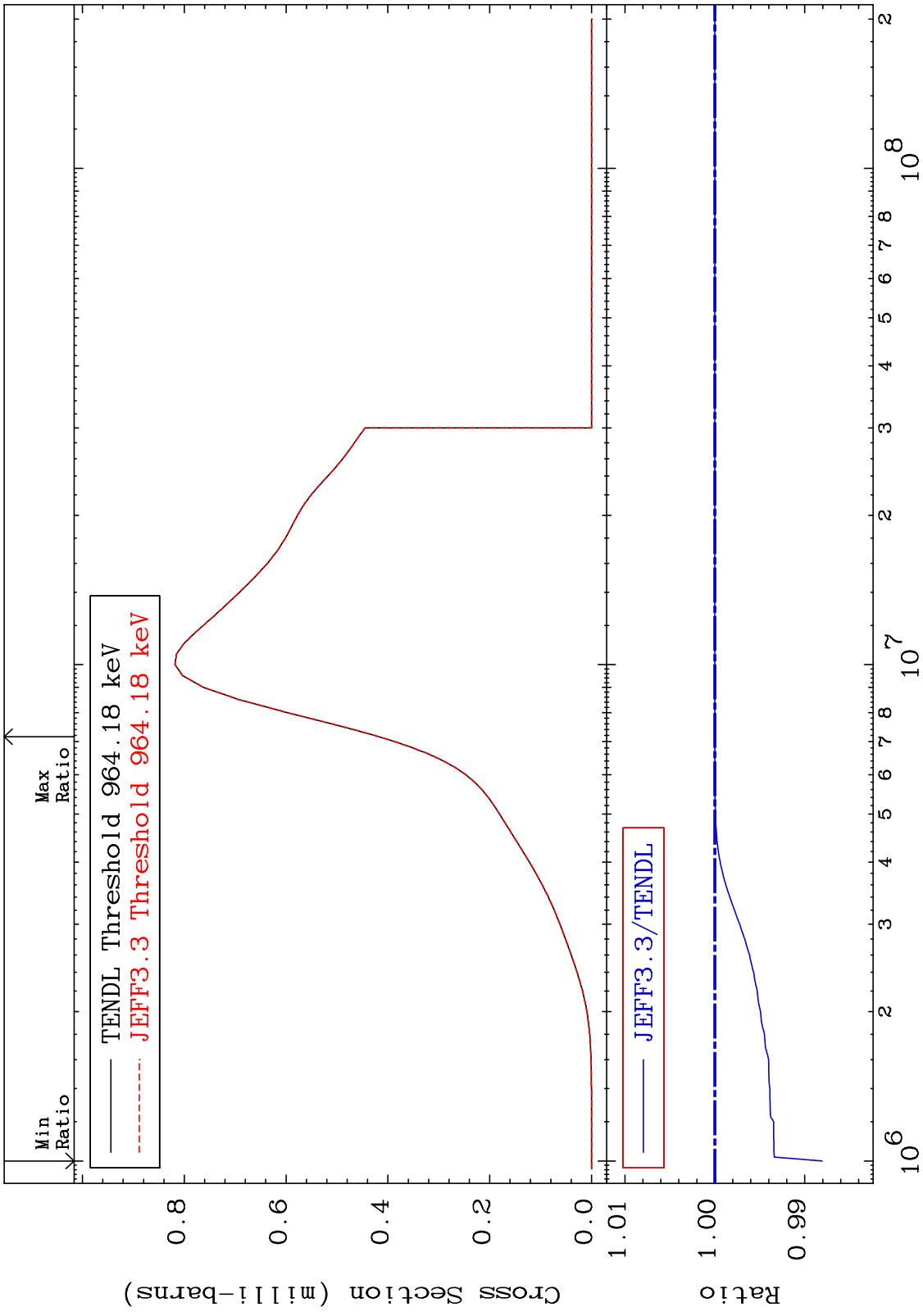
MAT 8834 MT= 61 (n,n') Level Cross Section 88-Ra-226 -1.218 To 0.000 %



MAT 8834 MT= 62 (n, n') Level Cross Section 88-Ra-226 -0.272 To 0.000 %



MAT 8834 MT= 63 (n,n') Level Cross Section 88-Ra-226
 -1.193 To 0.000 %

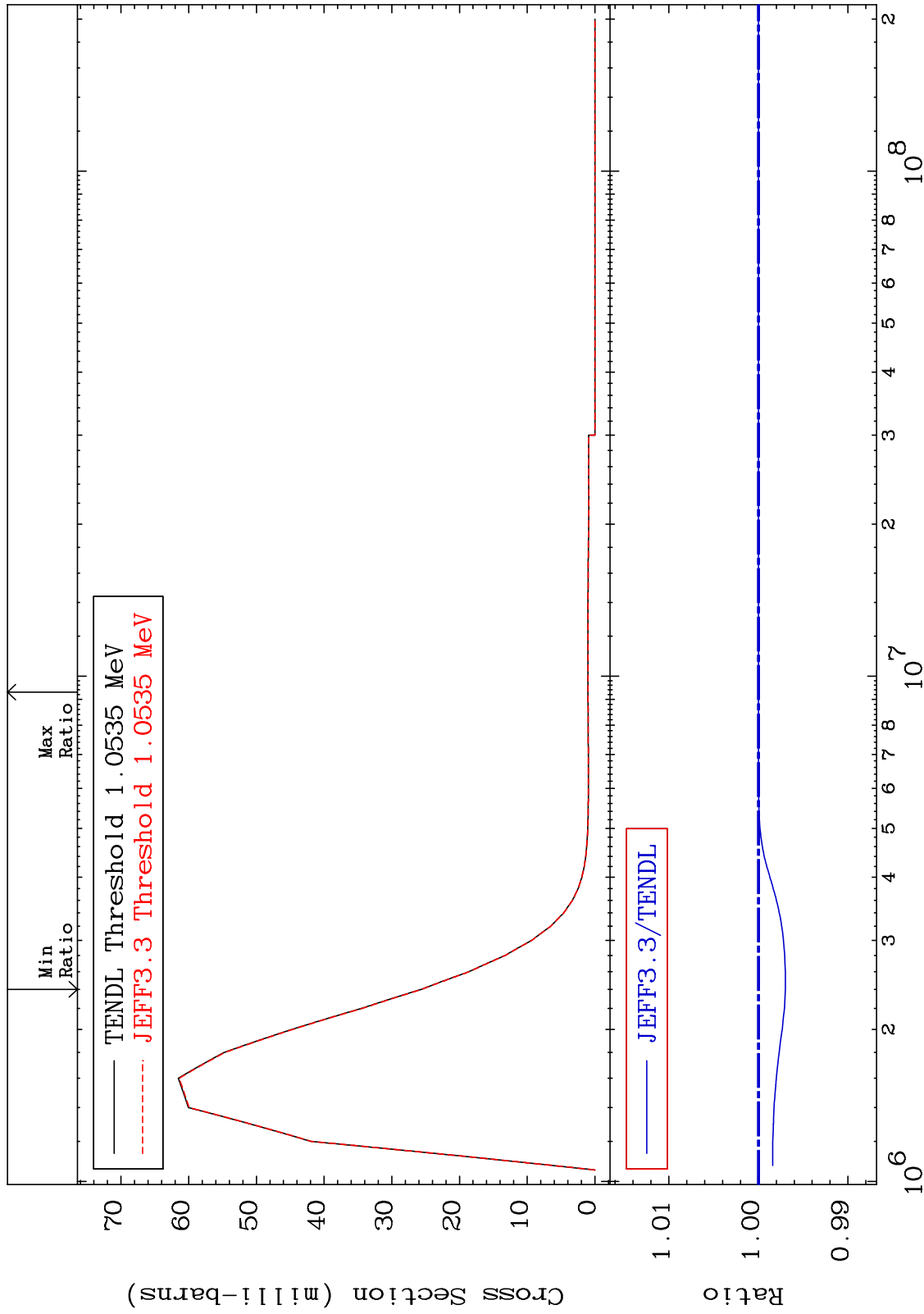


37 88-Ra-226

MAT 8834

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

88-Ra-226
-0.301 To 0.000 %

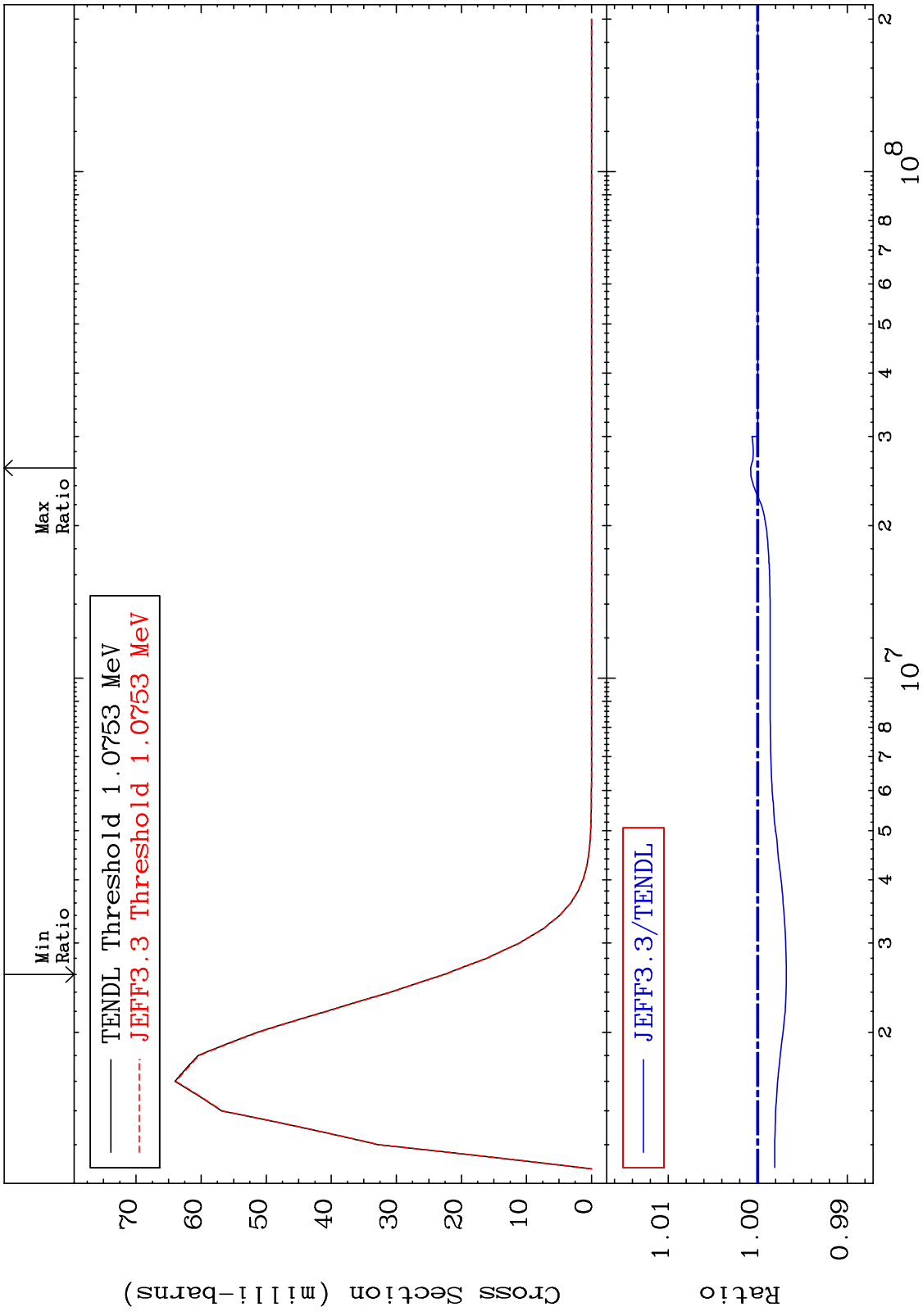


38

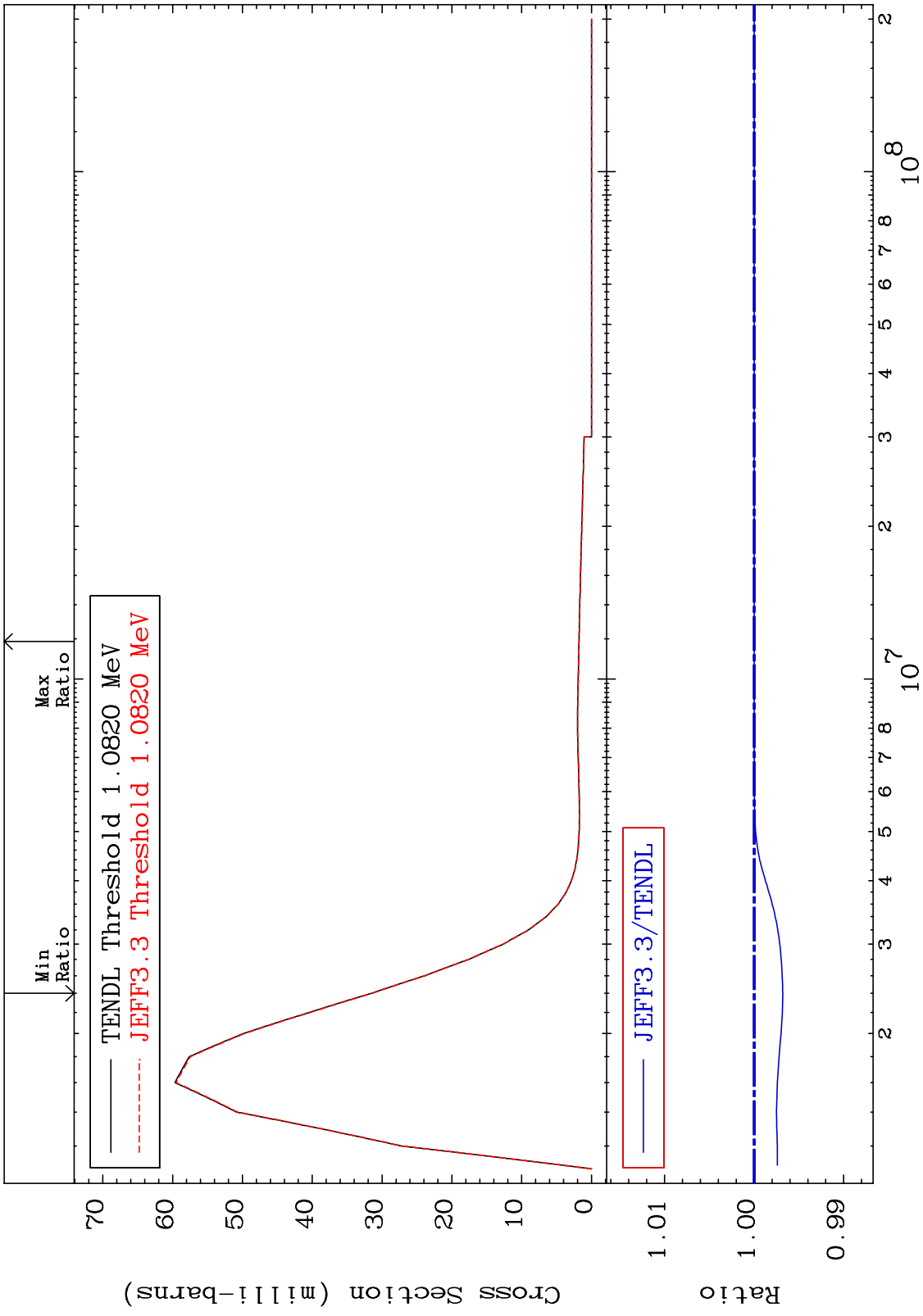
Incident Energy (eV)

88-Ra-226

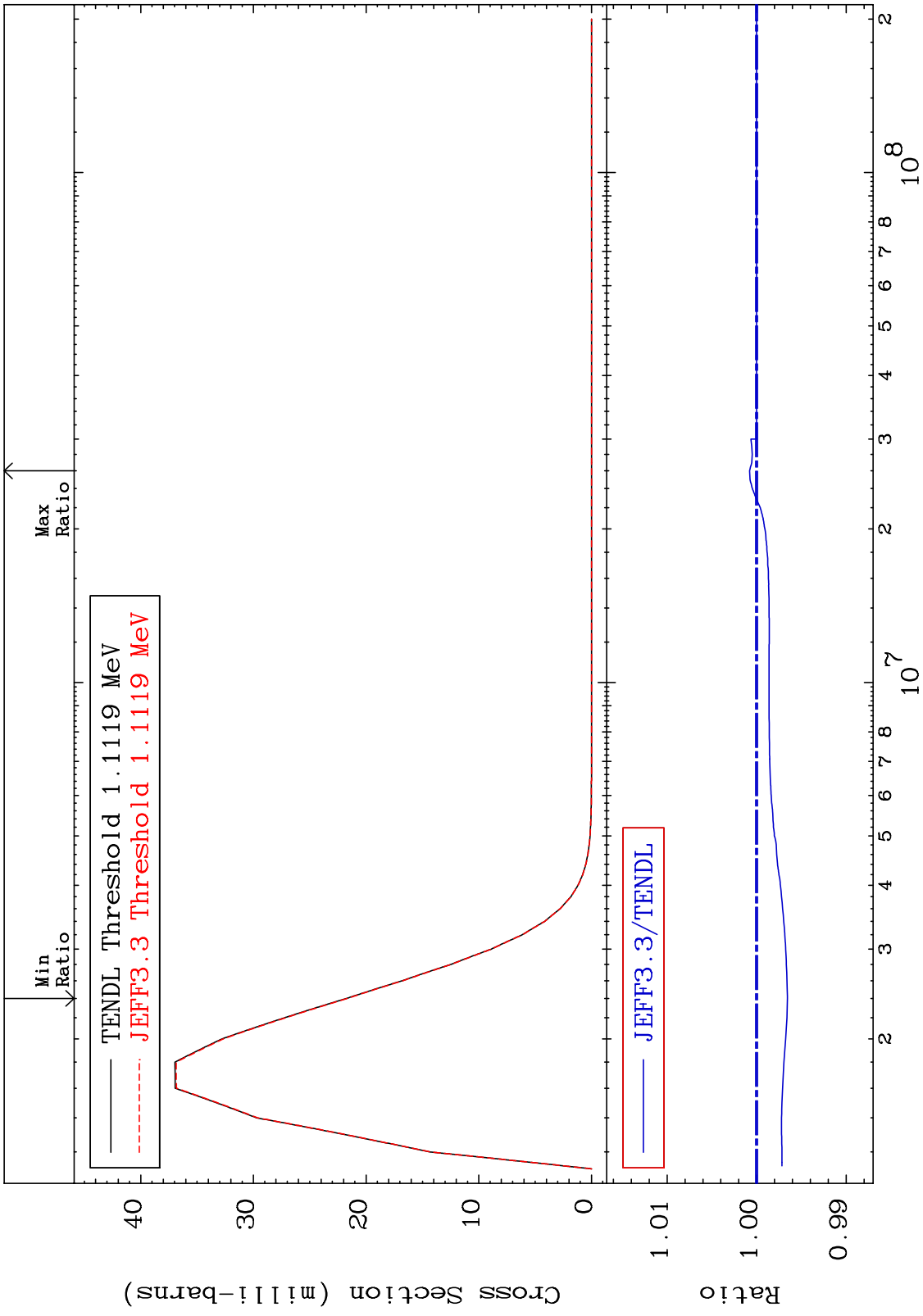
MAT 8834 MT= 65 (n,n') Level Cross Section 88-Ra-226
 -0.319 To 0.079 %



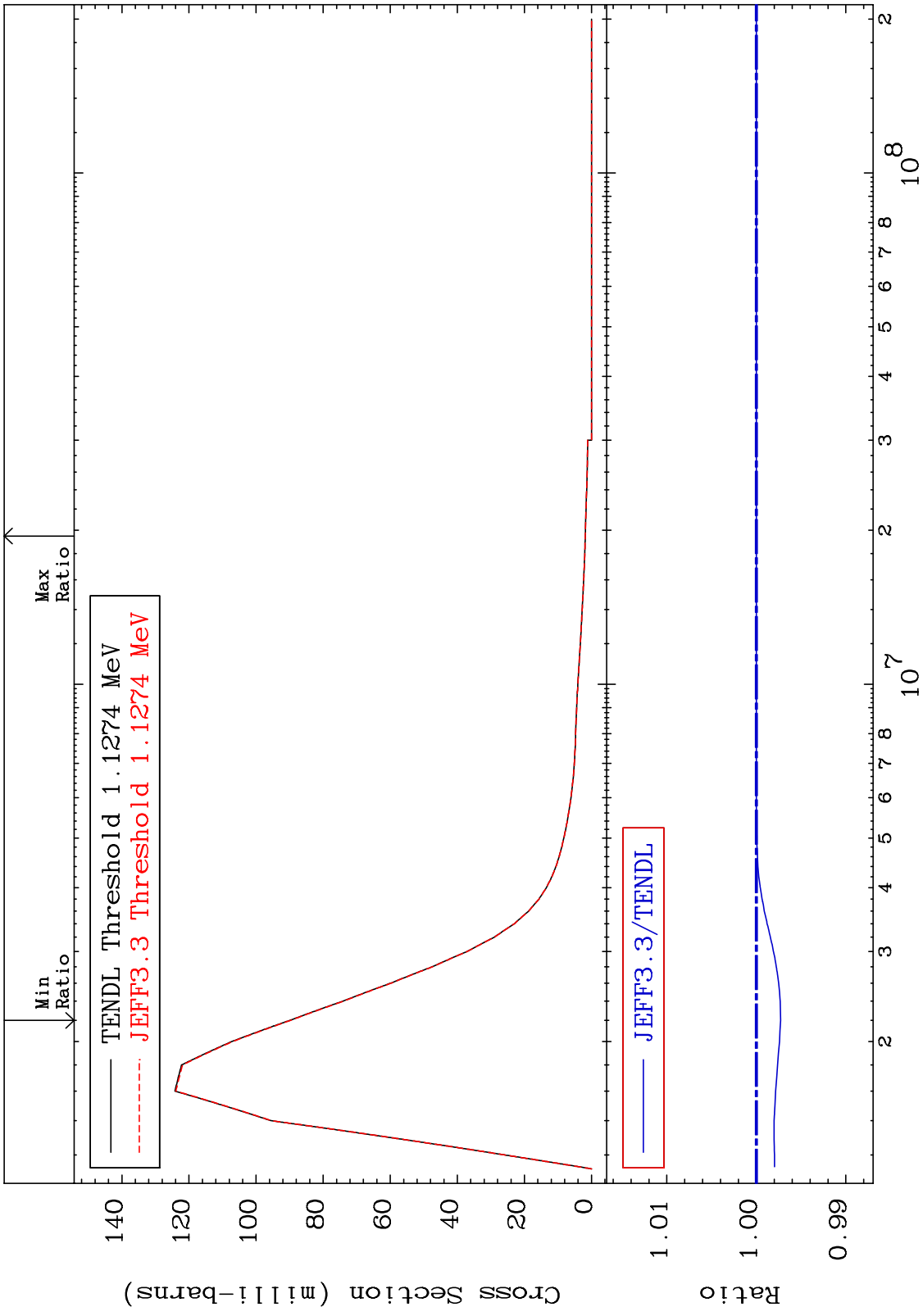
MAT 8834 MT= 66 (n,n') Level Cross Section 88-Ra-226
 -0.320 To 0.000 %



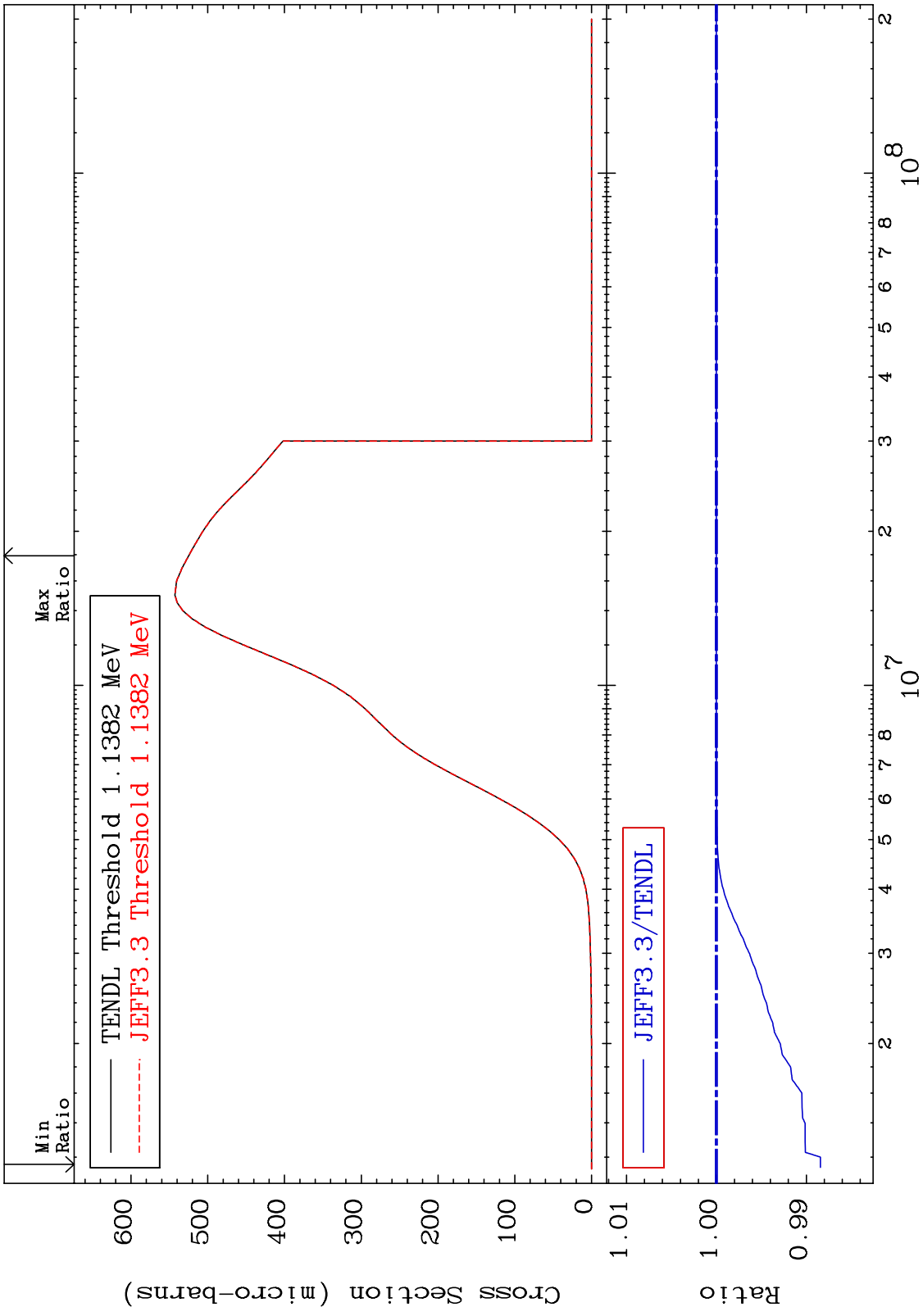
MAT 8834 MT= 67 (n,n') Level Cross Section 88-Ra-226
 -0.343 To 0.079 %



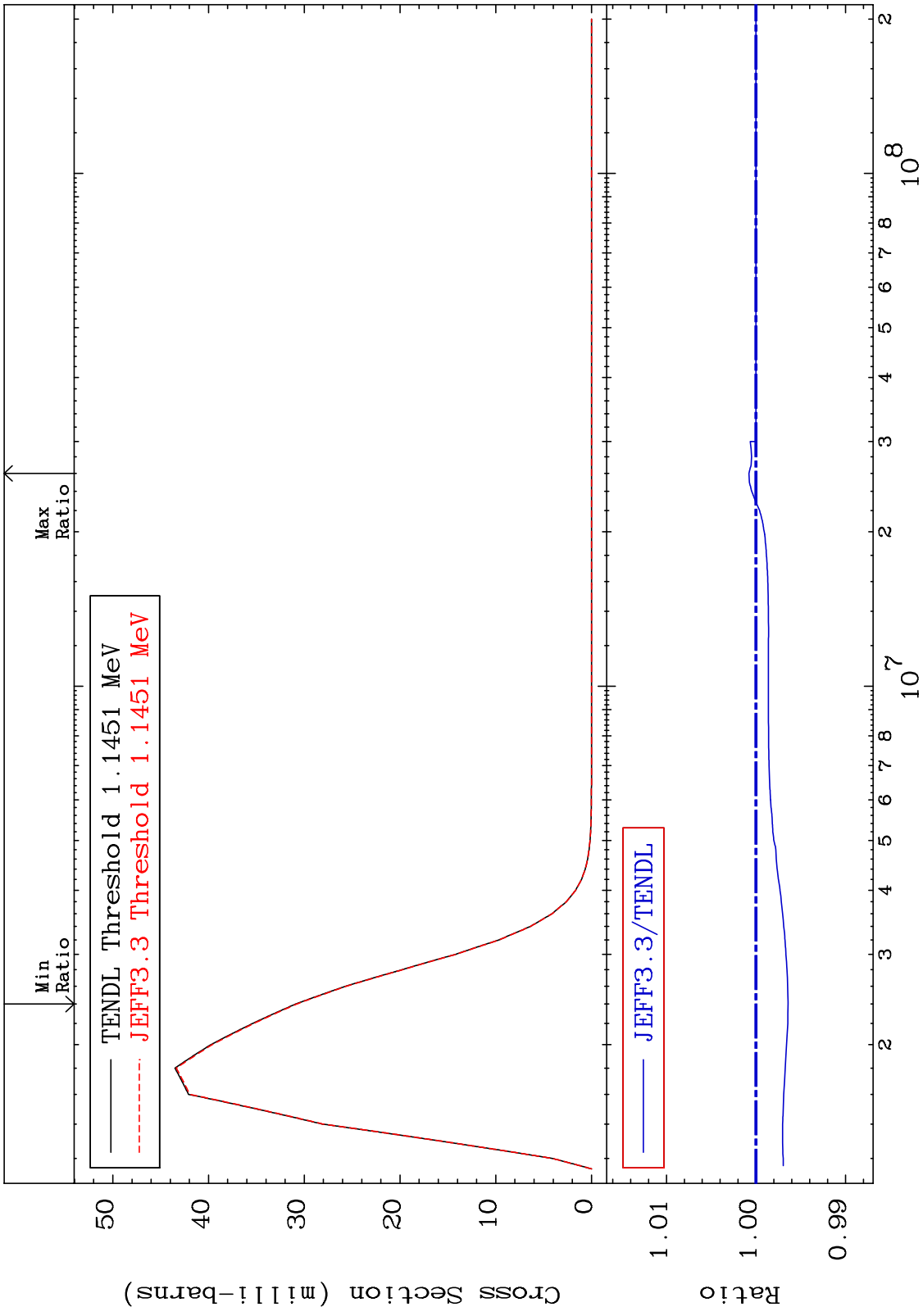
MAT 8834 MT= 68 (n,n') Level Cross Section 88-Ra-226
 -0.270 To 0.000 %



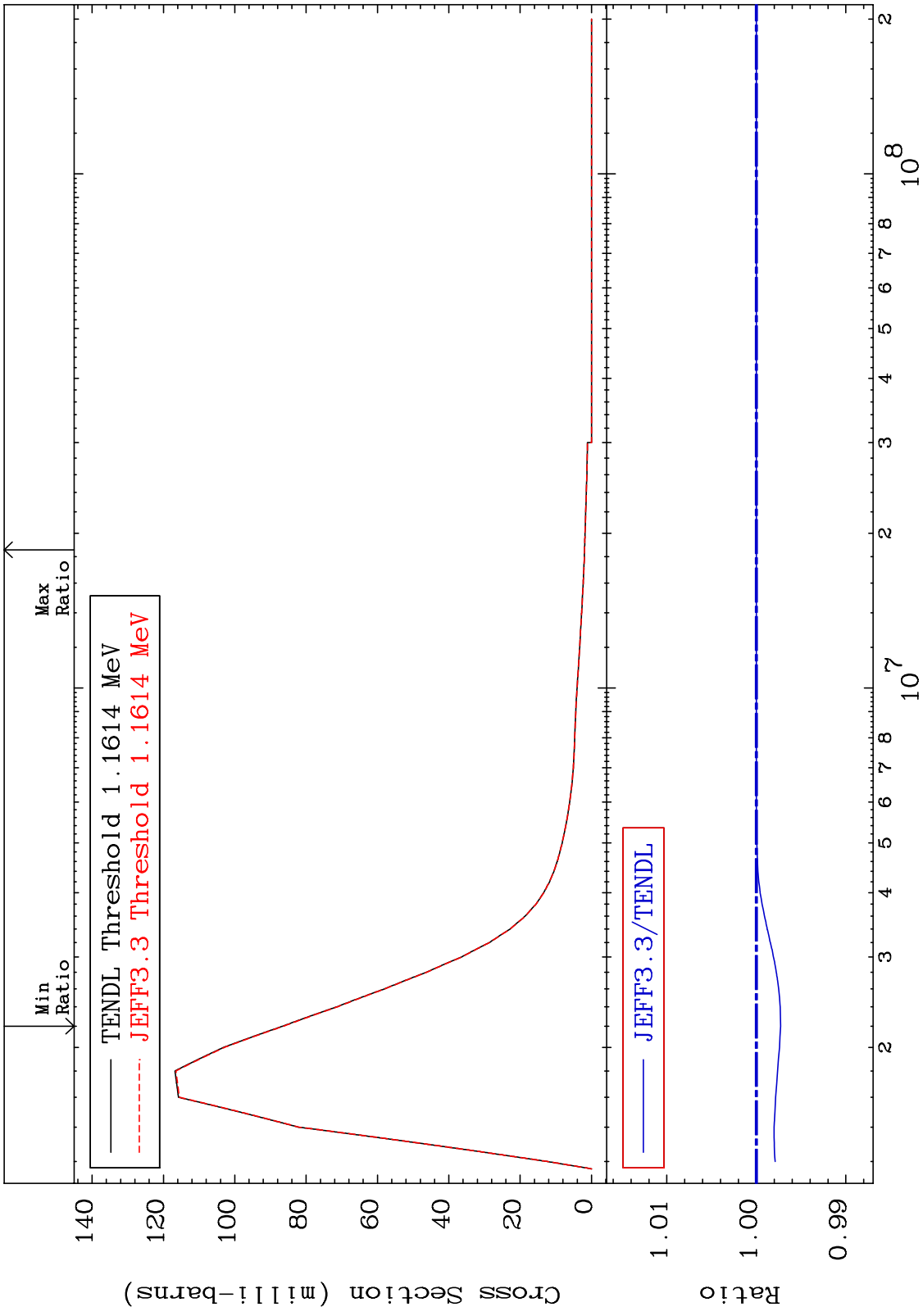
MAT 8834 MT= 69 (n,n') Level 88-Ra-226
 Cross Section -1.157 To 0.000 %



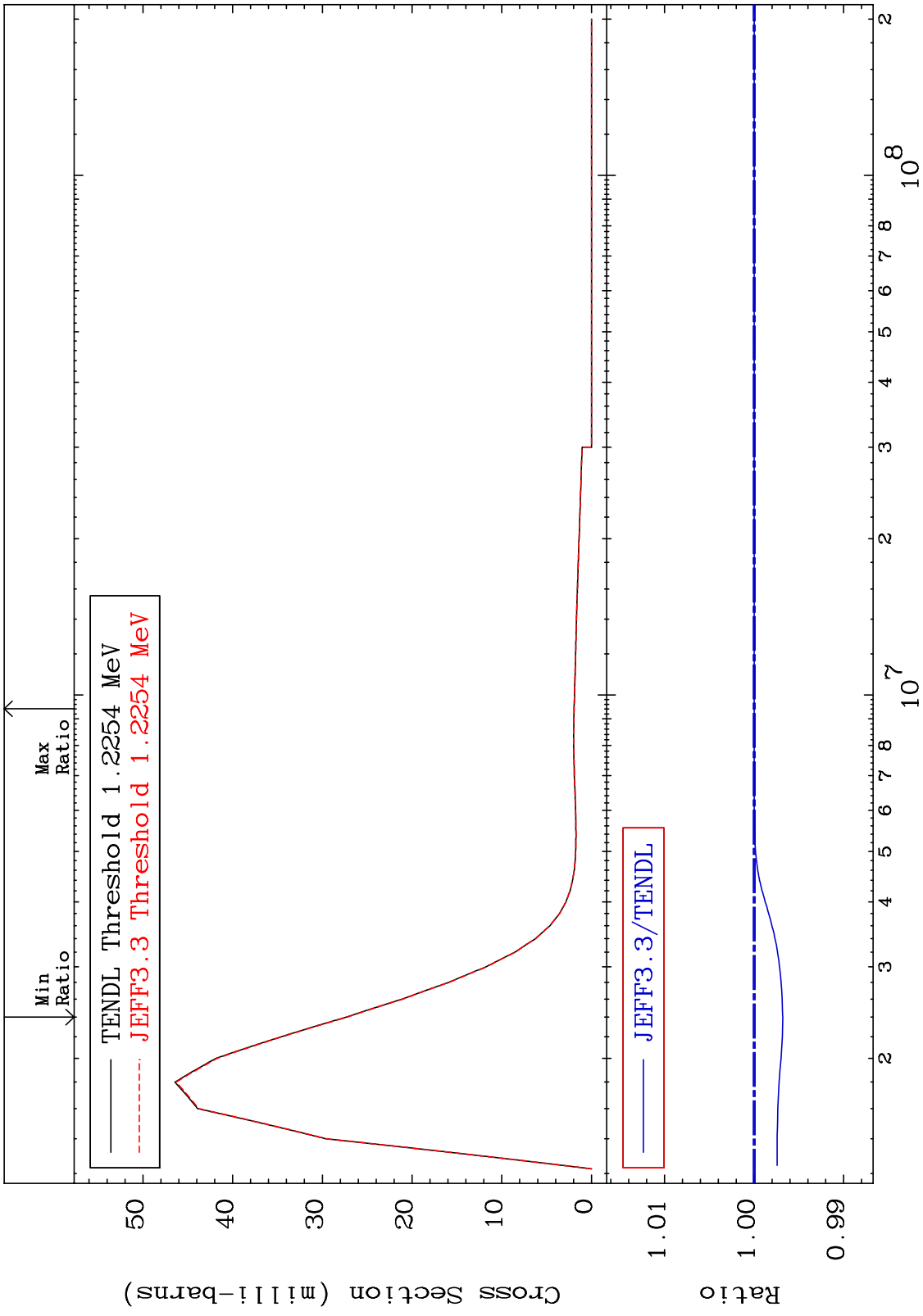
MAT 8834 MT= 70 (n,n') Level Cross Section 88-Ra-226
 -0.359 To 0.080 %



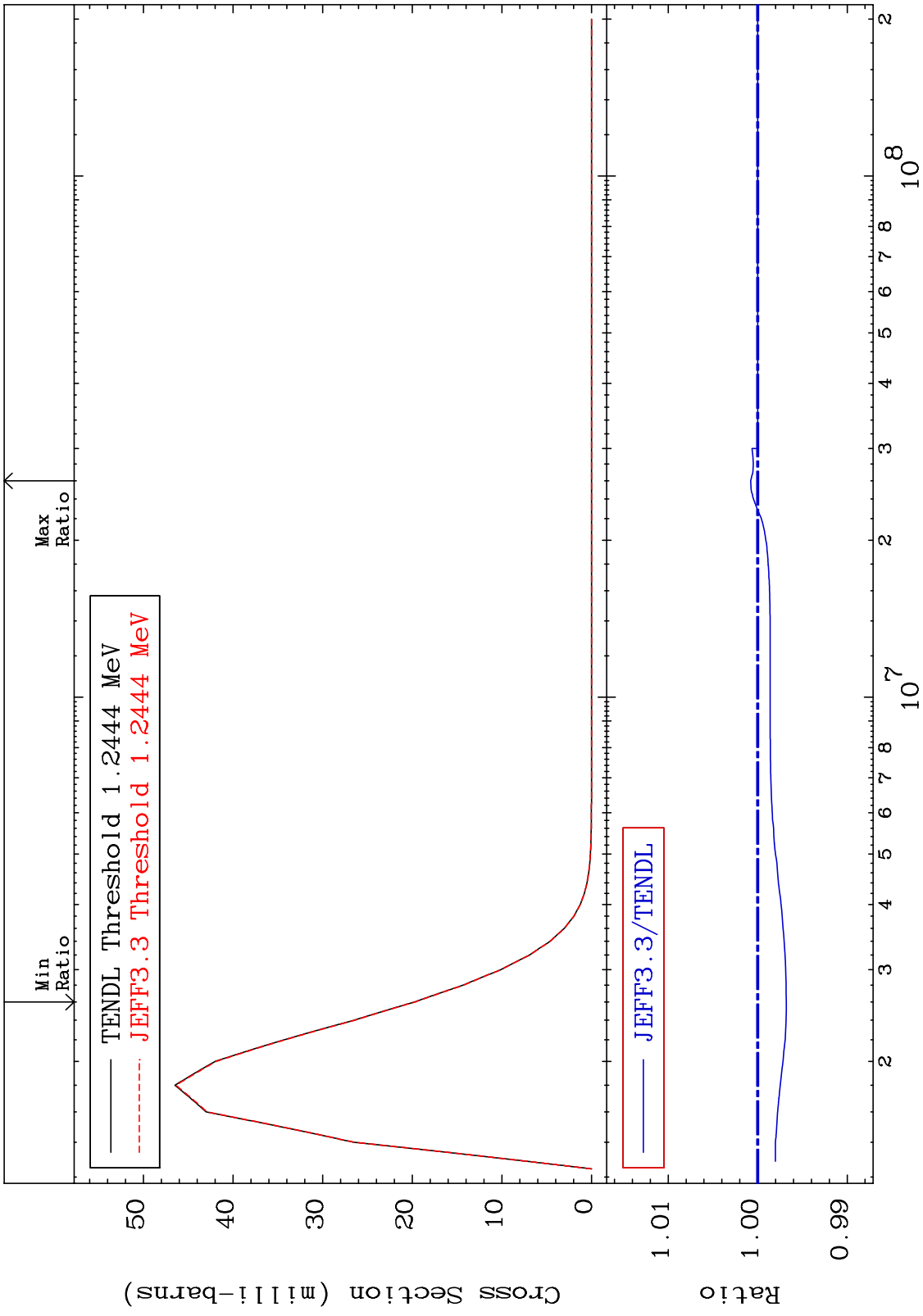
MAT 8834 MT= 71 (n,n') Level Cross Section 88-Ra-226
 -0.270 To 0.000 %



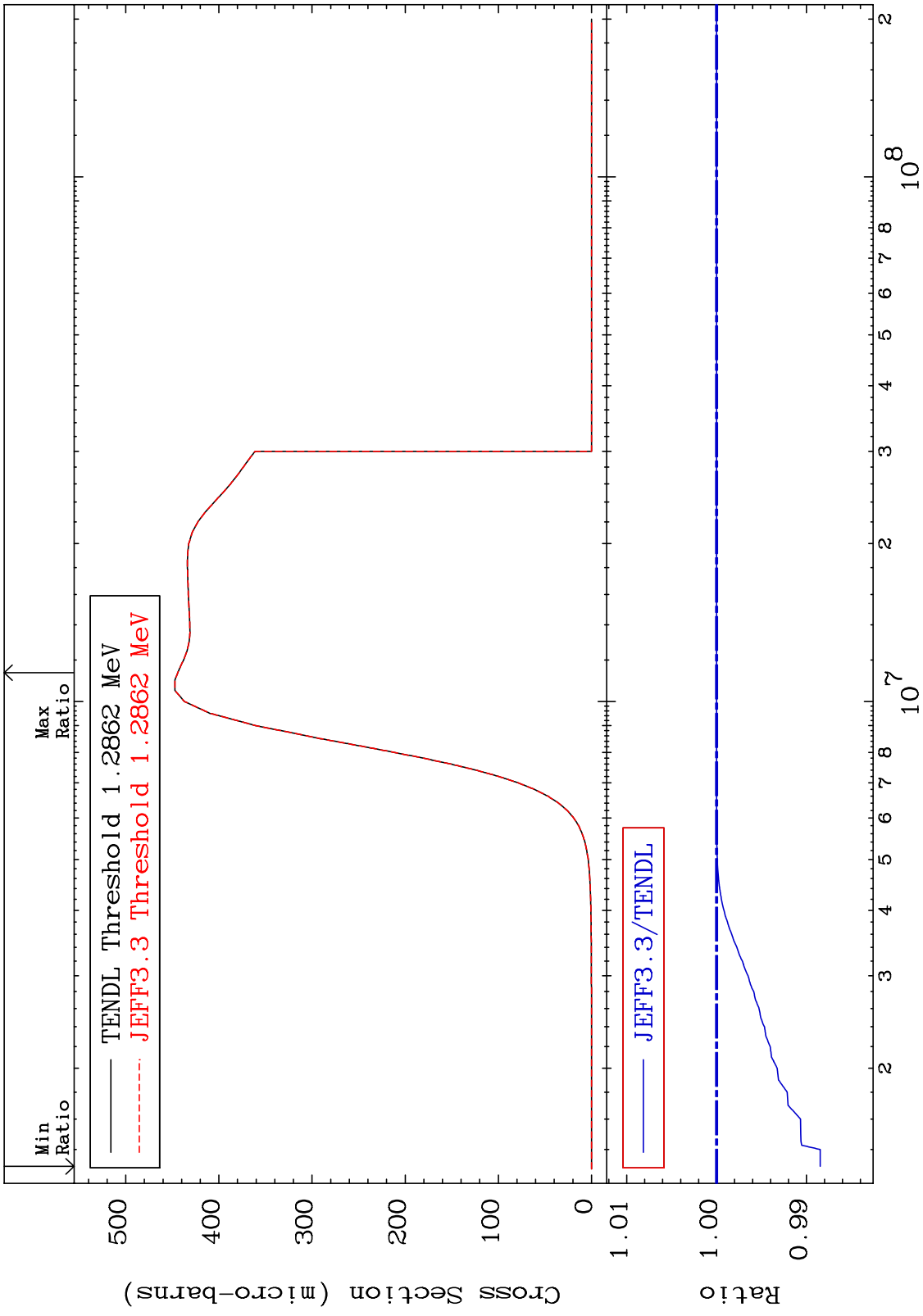
MAT 8834 MT= 72 (n,n') Level Cross Section 88-Ra-226
 -0.320 To 0.000 %



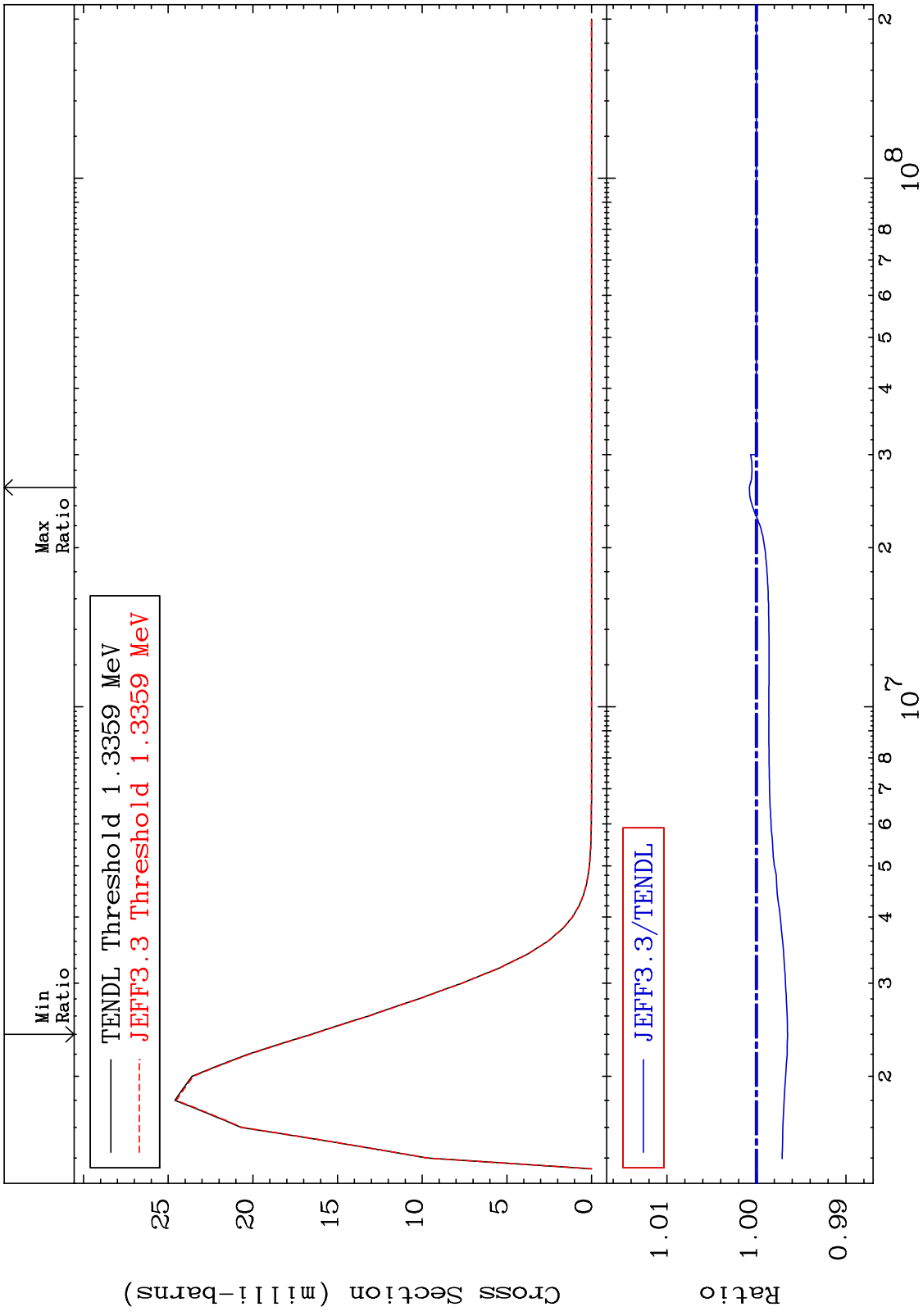
MAT 8834 MT= 73 (n,n') Level Cross Section 88-Ra-226 -0.319 To 0.079 %



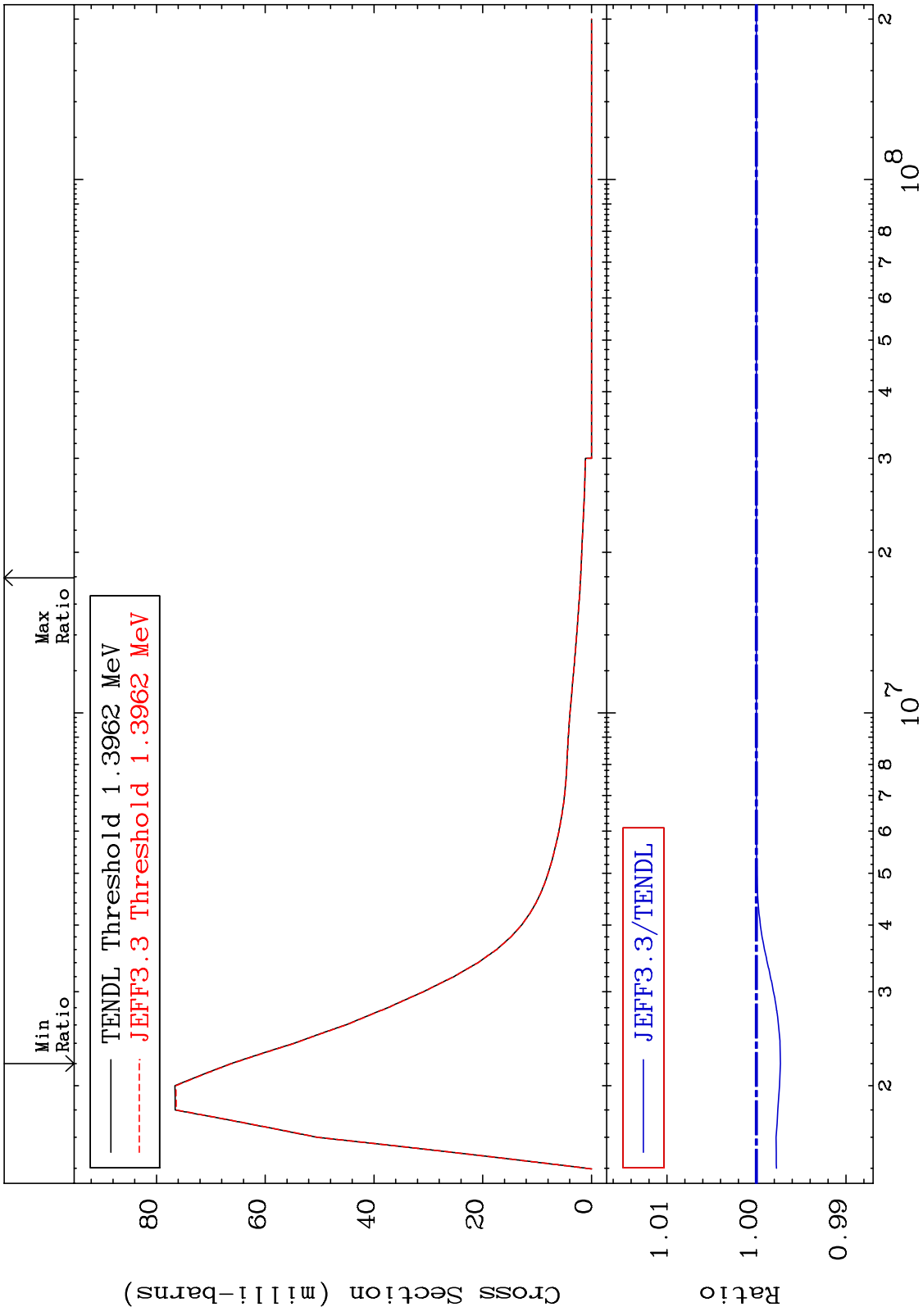
MAT 8834 MT= 74 (n,n') Level Cross Section 88-Ra-226
 -1.153 To 0.000 %



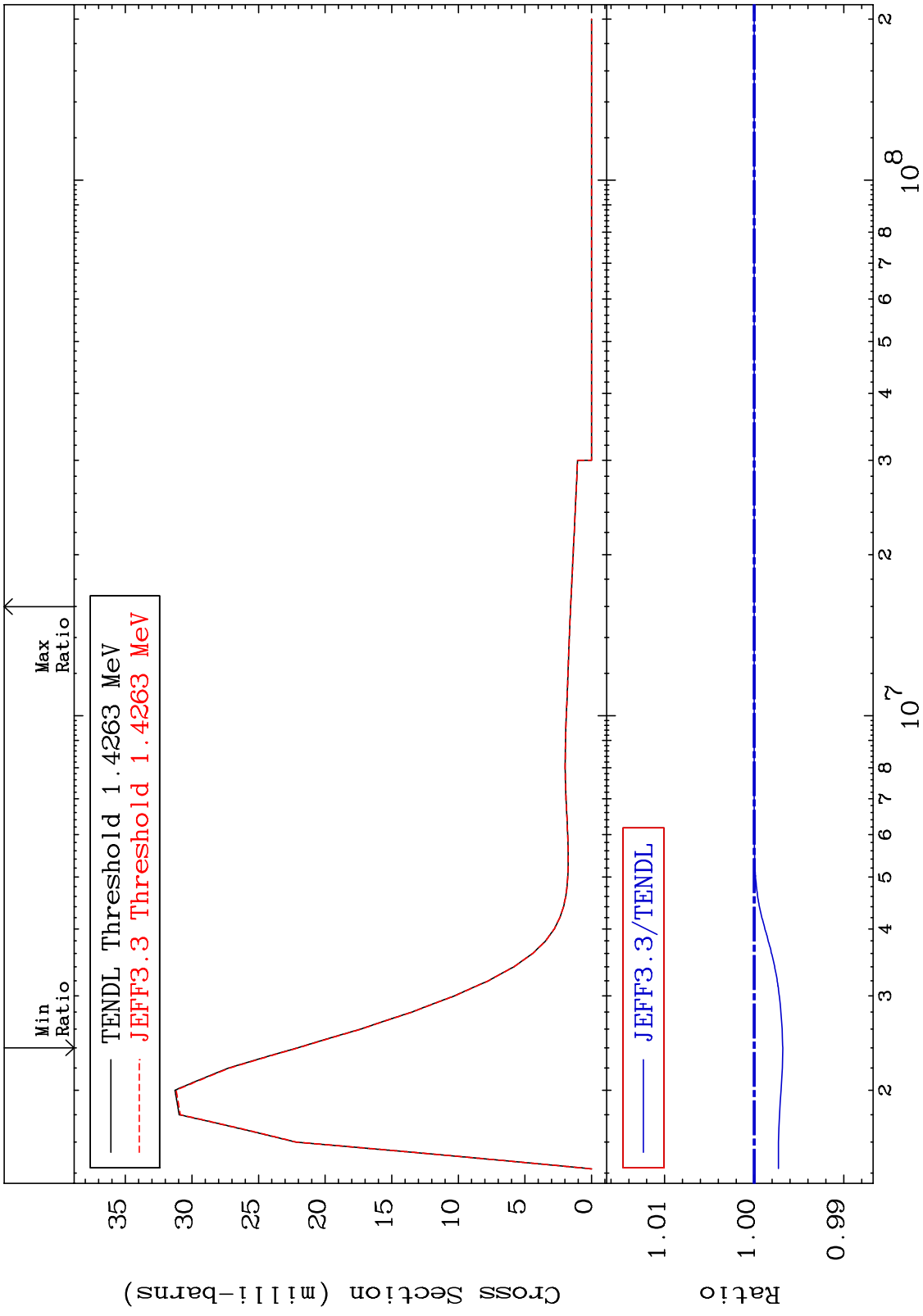
MAT 8834 MT= 75 (n,n') Level Cross Section 88-Ra-226
 -0.347 To 0.080 %



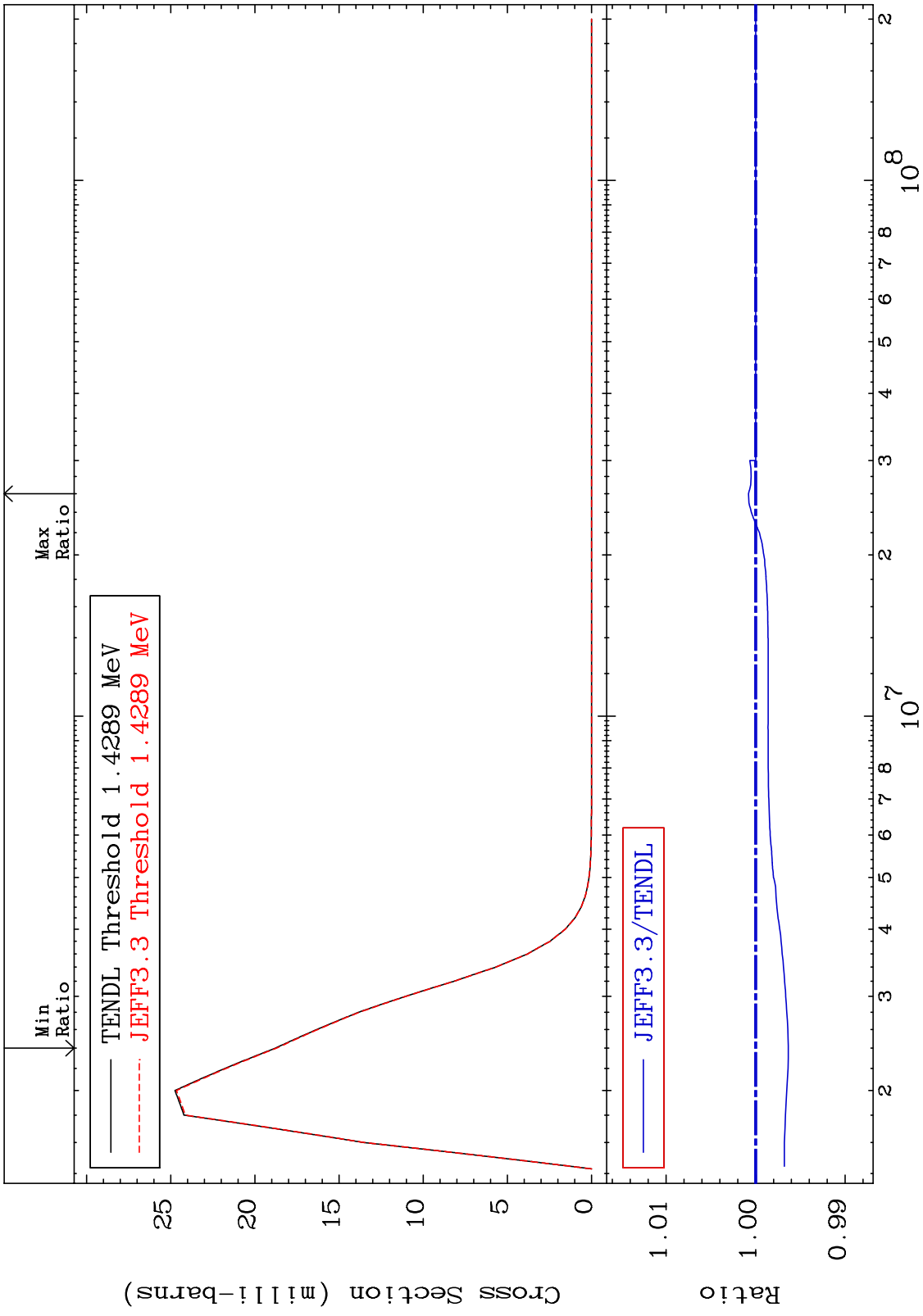
MAT 8834 MT= 76 (n,n') Level Cross Section 88-Ra-226
 -0.269 To 0.000 %



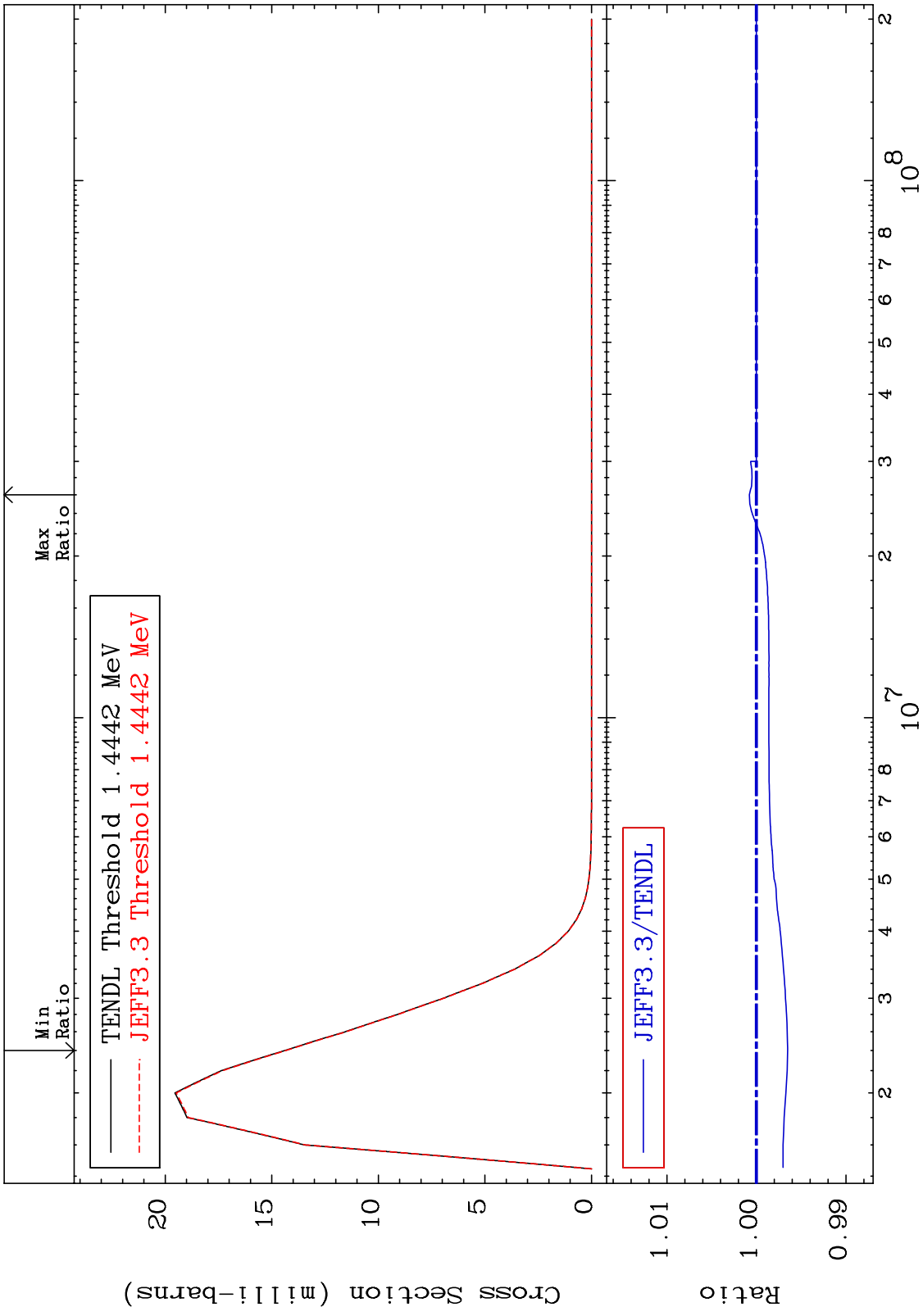
MAT 8834 MT= 77 (n,n') Level Cross Section 88-Ra-226
 -0.319 To 0.000 %



MAT 8834 MT= 78 (n,n') Level Cross Section 88-Ra-226
 -0.366 To 0.079 %



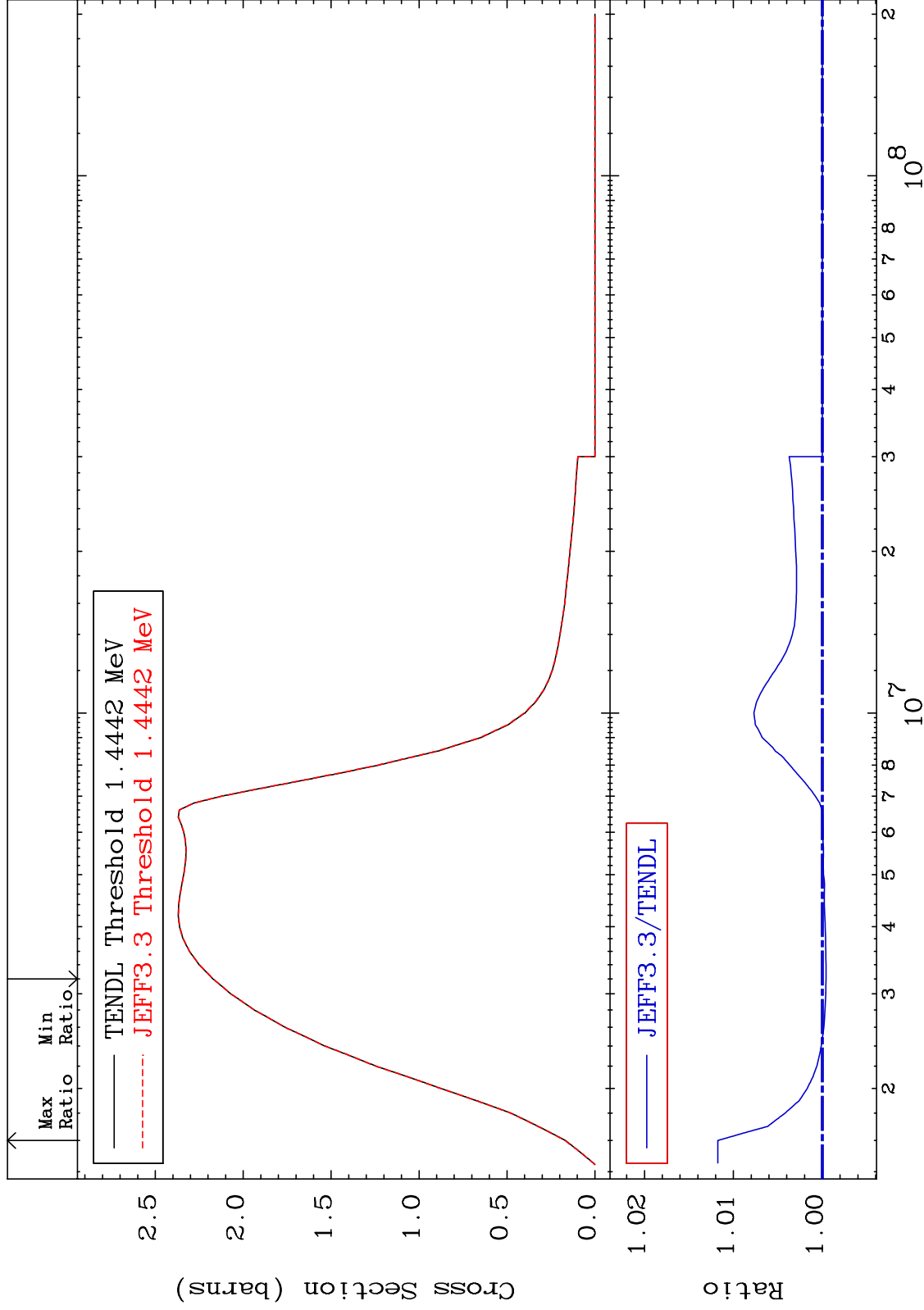
MAT 8834 MT= 79 (n,n') Level Cross Section 88-Ra-226
 -0.349 To 0.080 %



MAT 8834

(n,n') Continuum
Cross Section

88-Ra-226
-0.041 To 1.176 %



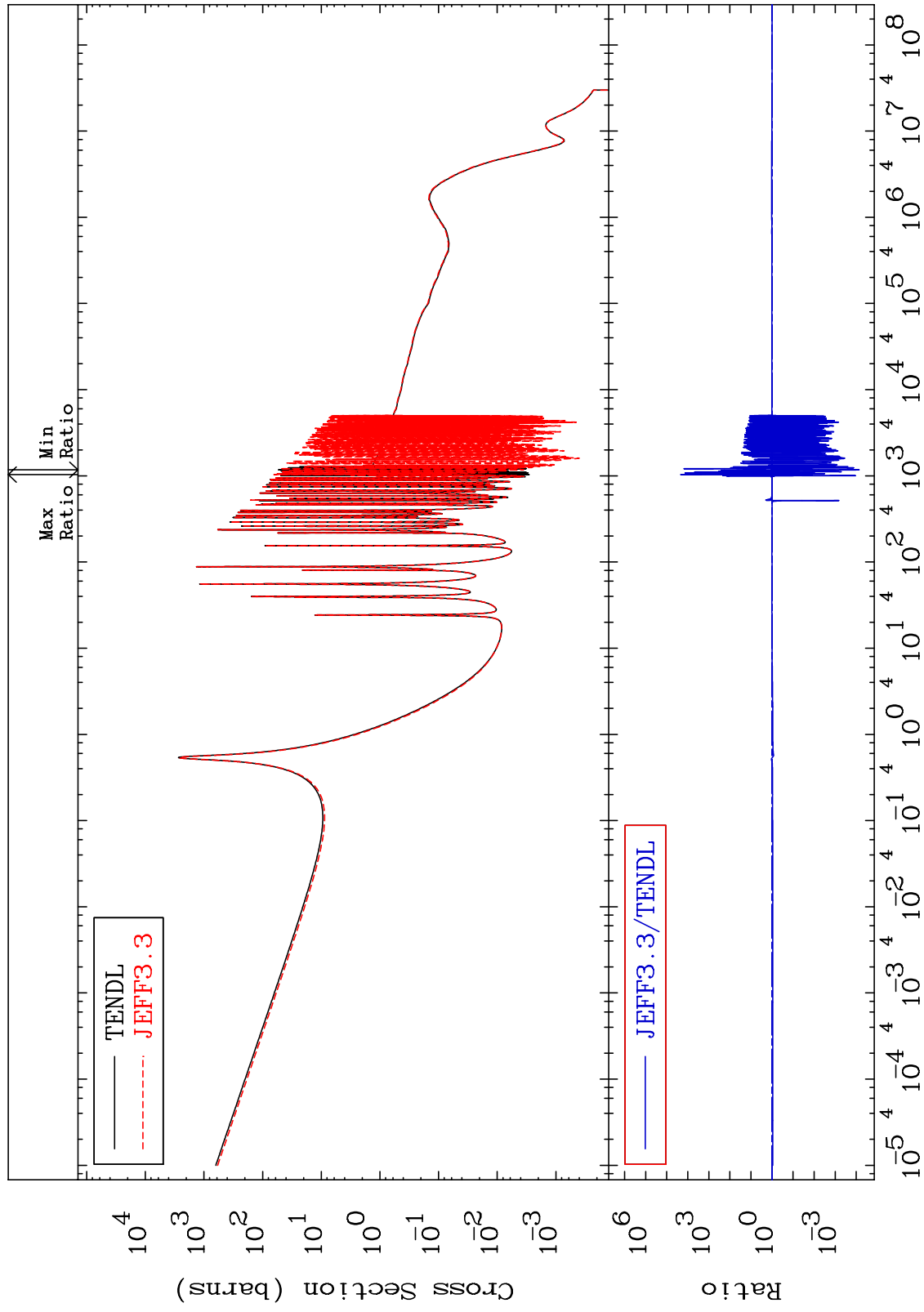
MAT 8834

(n, γ)

88-Ra-226

-99.99 To 9999. %

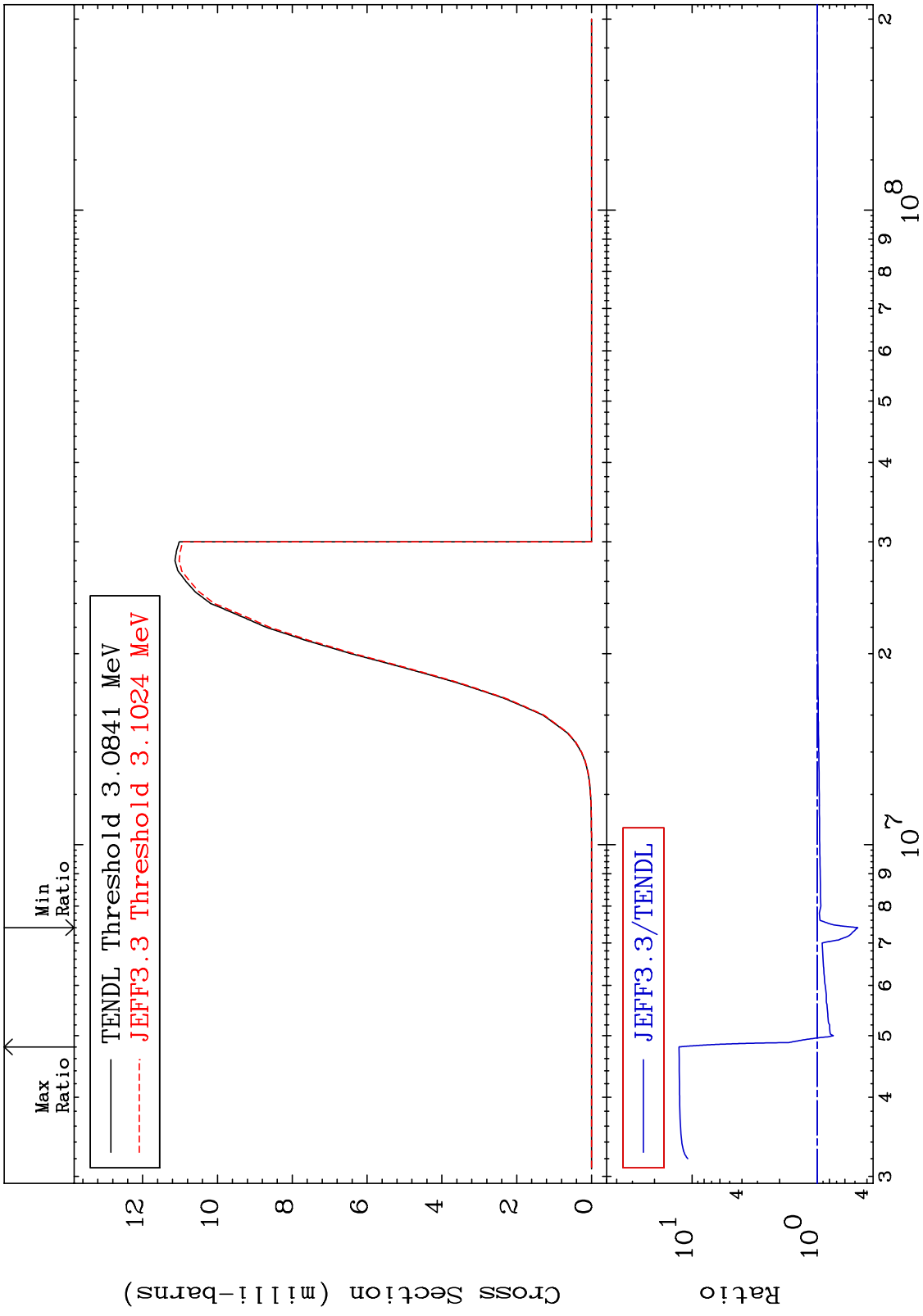
Cross Section



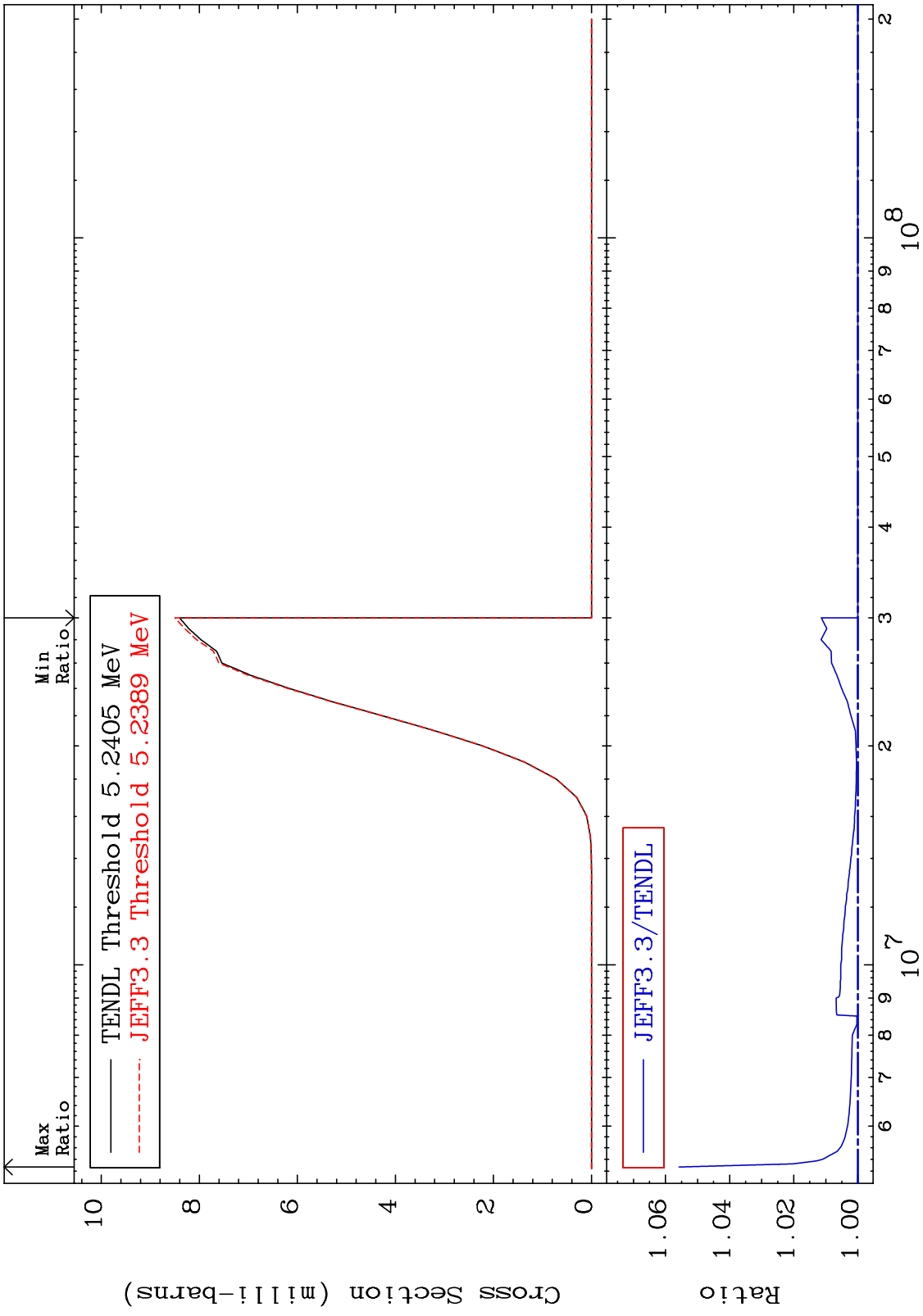
55

Incident Energy (eV)

88-Ra-226



MAT 8834 (n,d) Cross Section 88-Ra-226 To 5.578 %



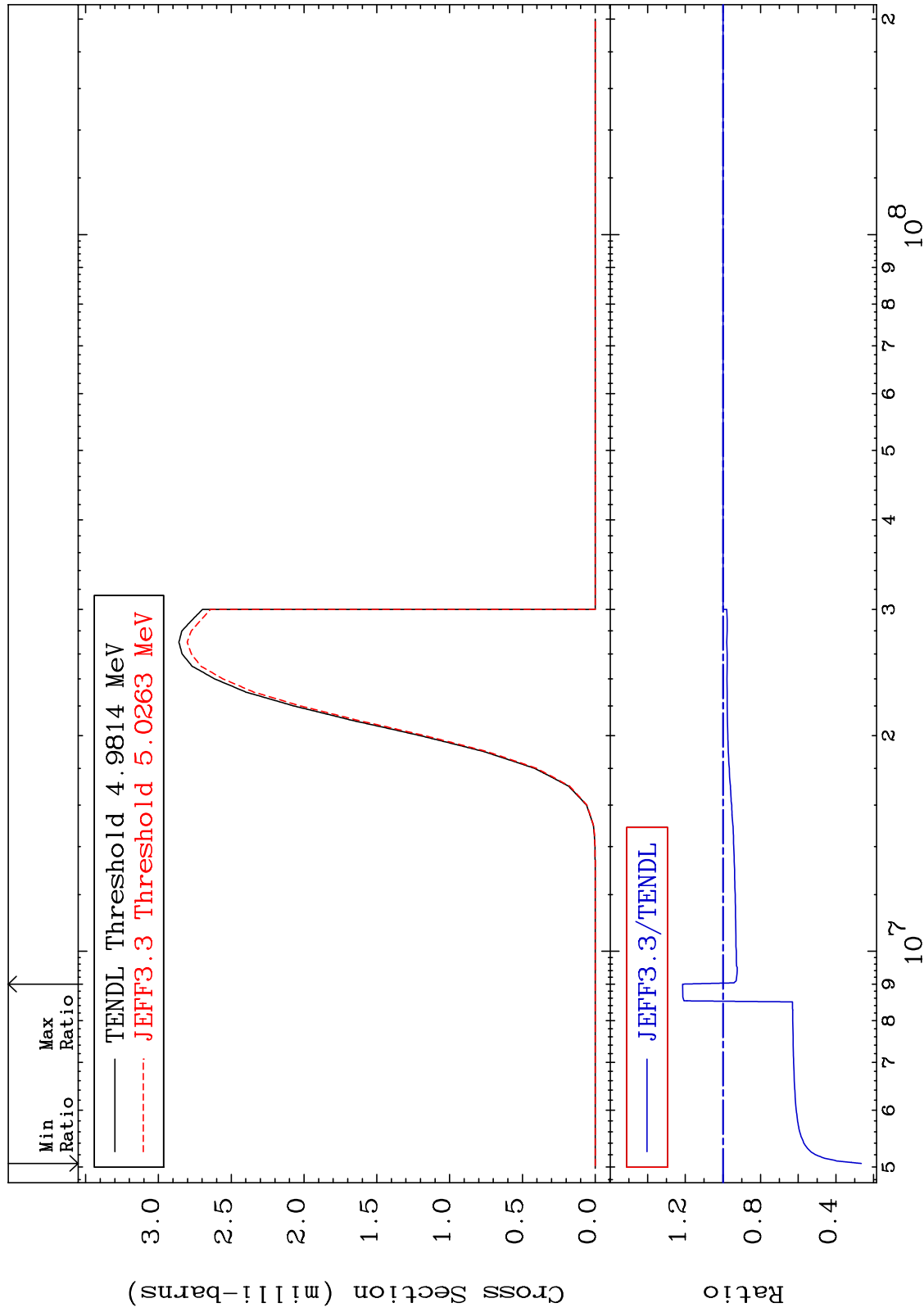
MAT 8834

(n, t)

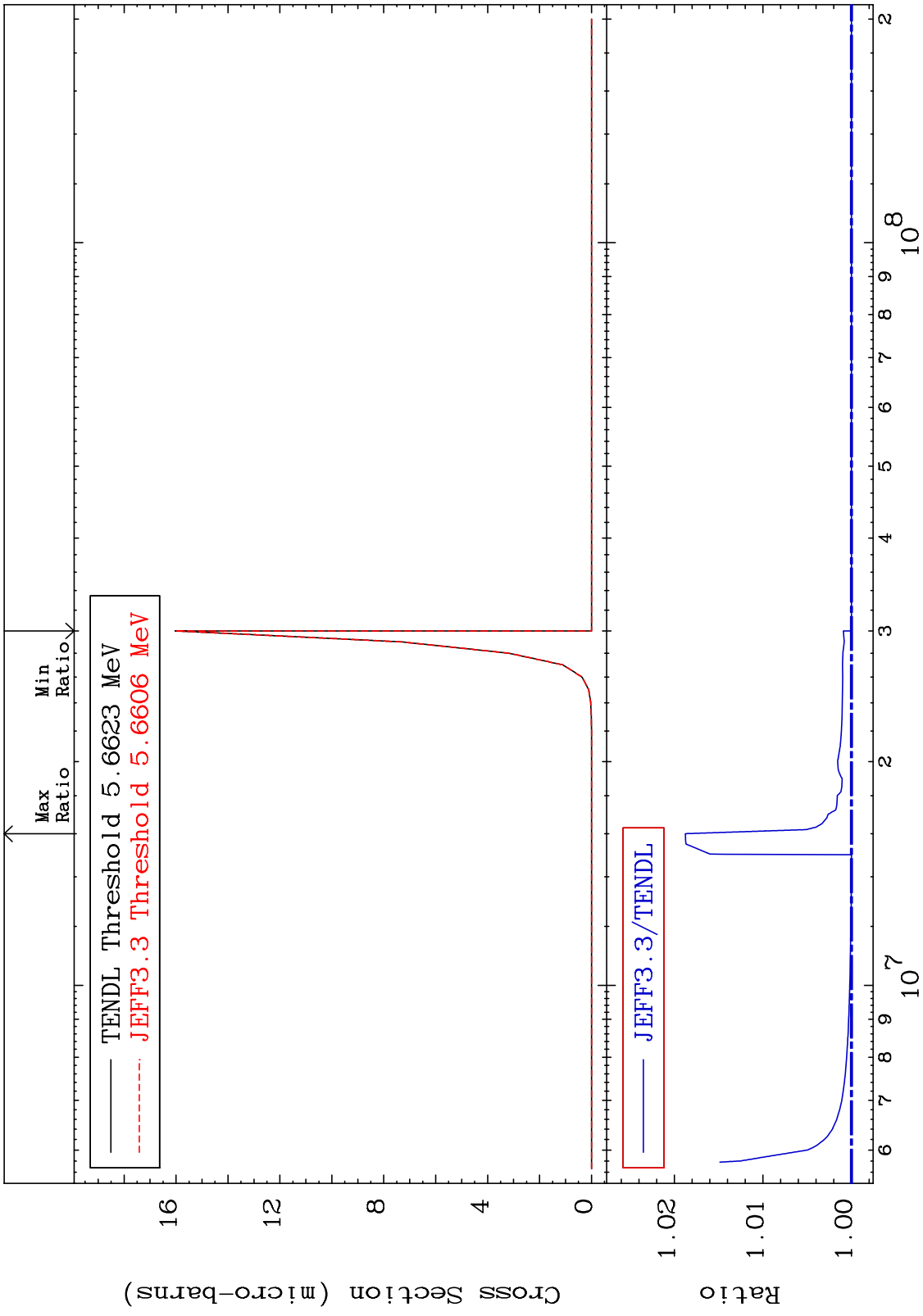
88-Ra-226

Cross Section

-73.51 To 21.39 %



MAT 8834 (n, He-3) Cross Section 88-Ra-226 To 1.877 %



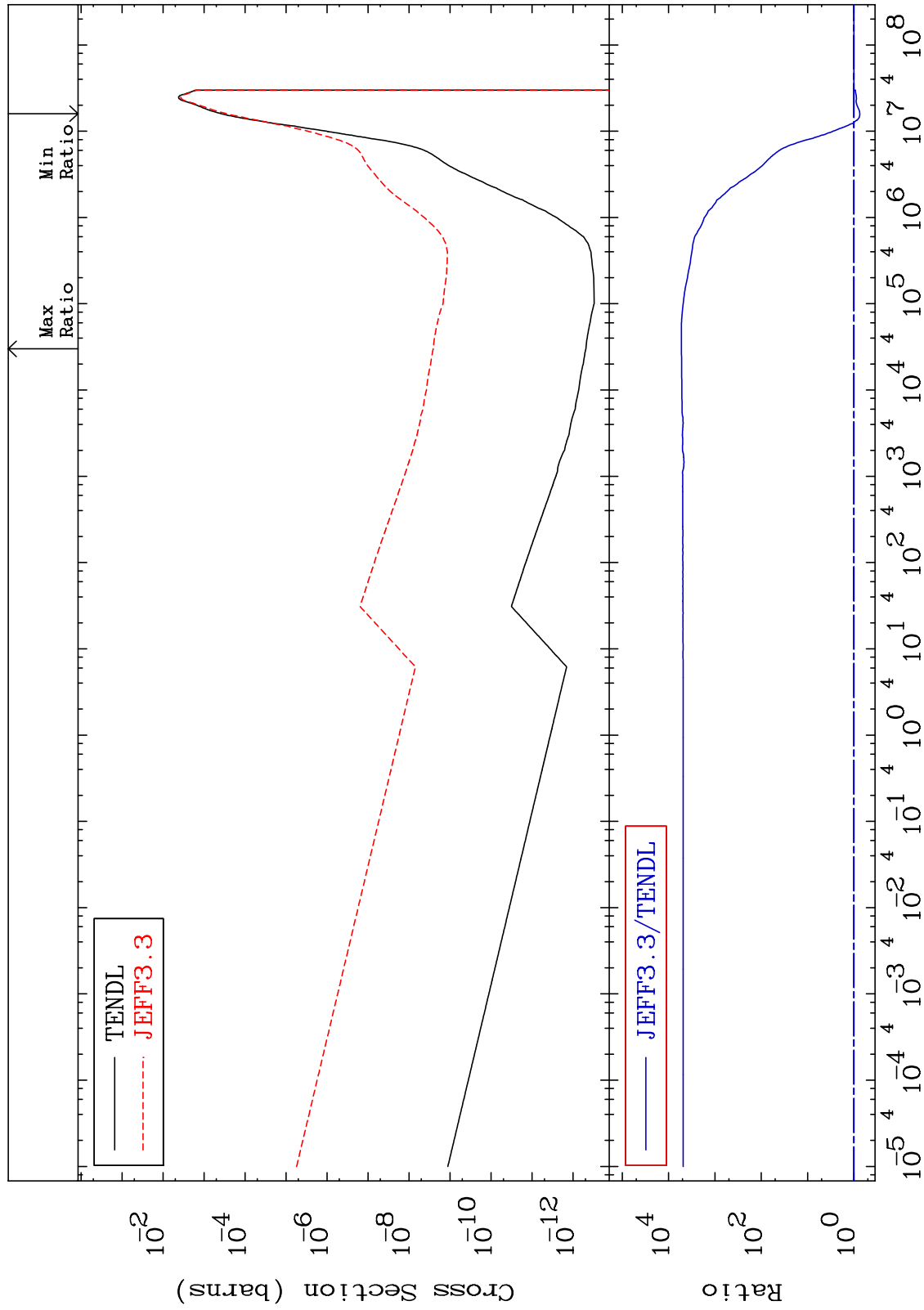
MAT 8834

(n, α)

88-Ra-226

Cross Section

-25.36 To 9999. %



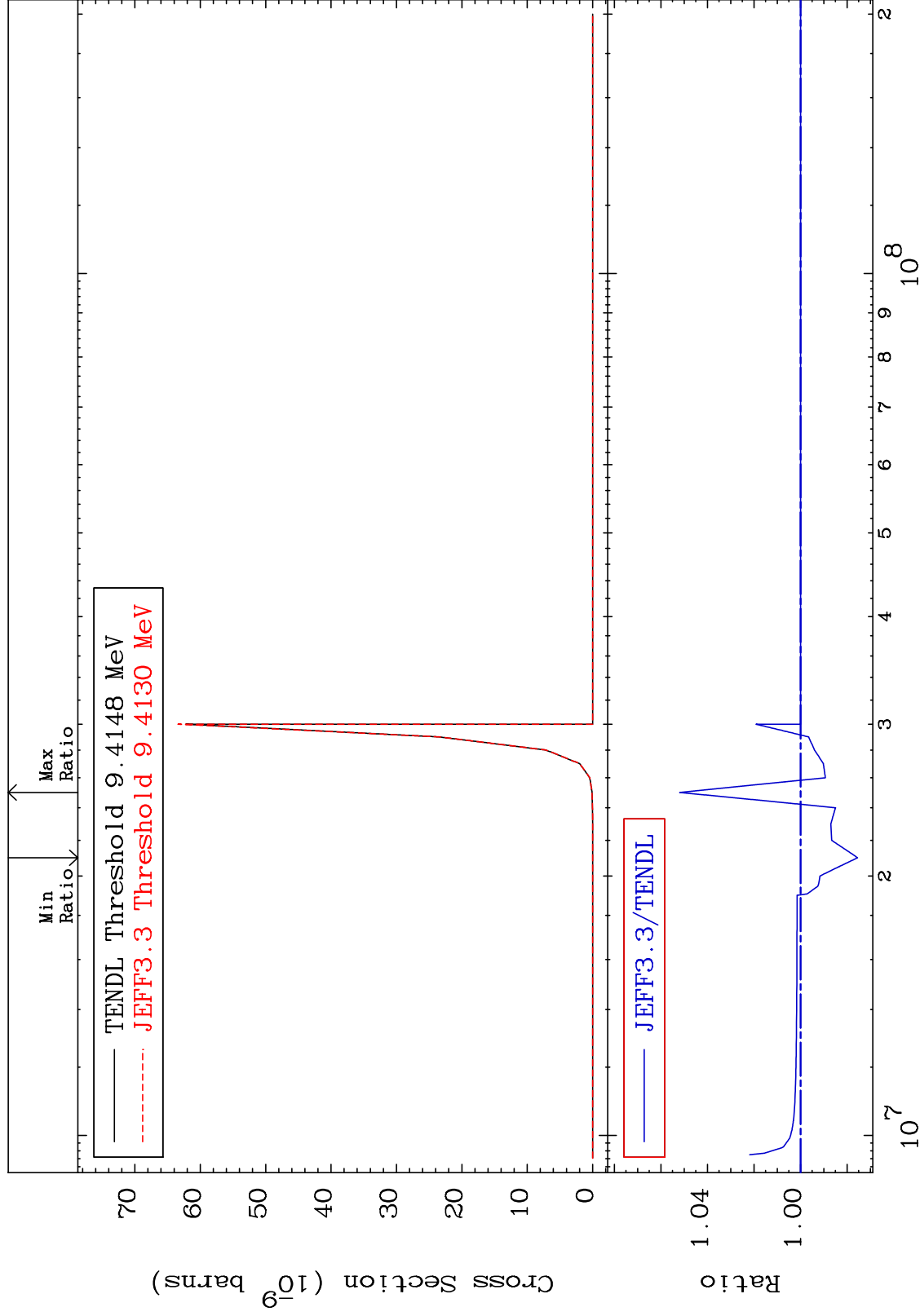
MAT 8834

(n,2p)

88-Ra-226

Cross Section

-2.453 To 5.190 %



61

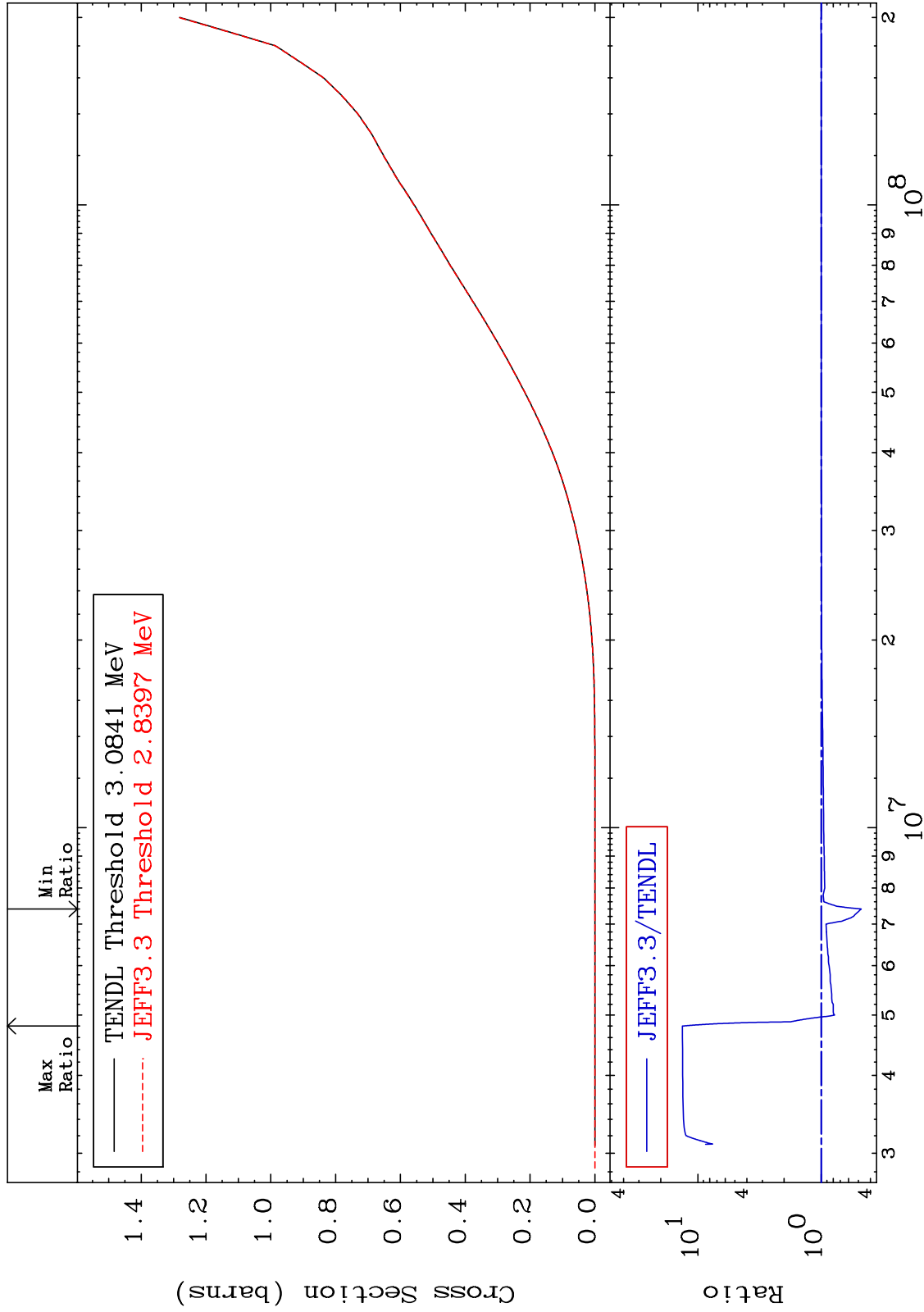
Incident Energy (eV)

88-Ra-226

MAT 8834

Hydrogen Production
Cross Section

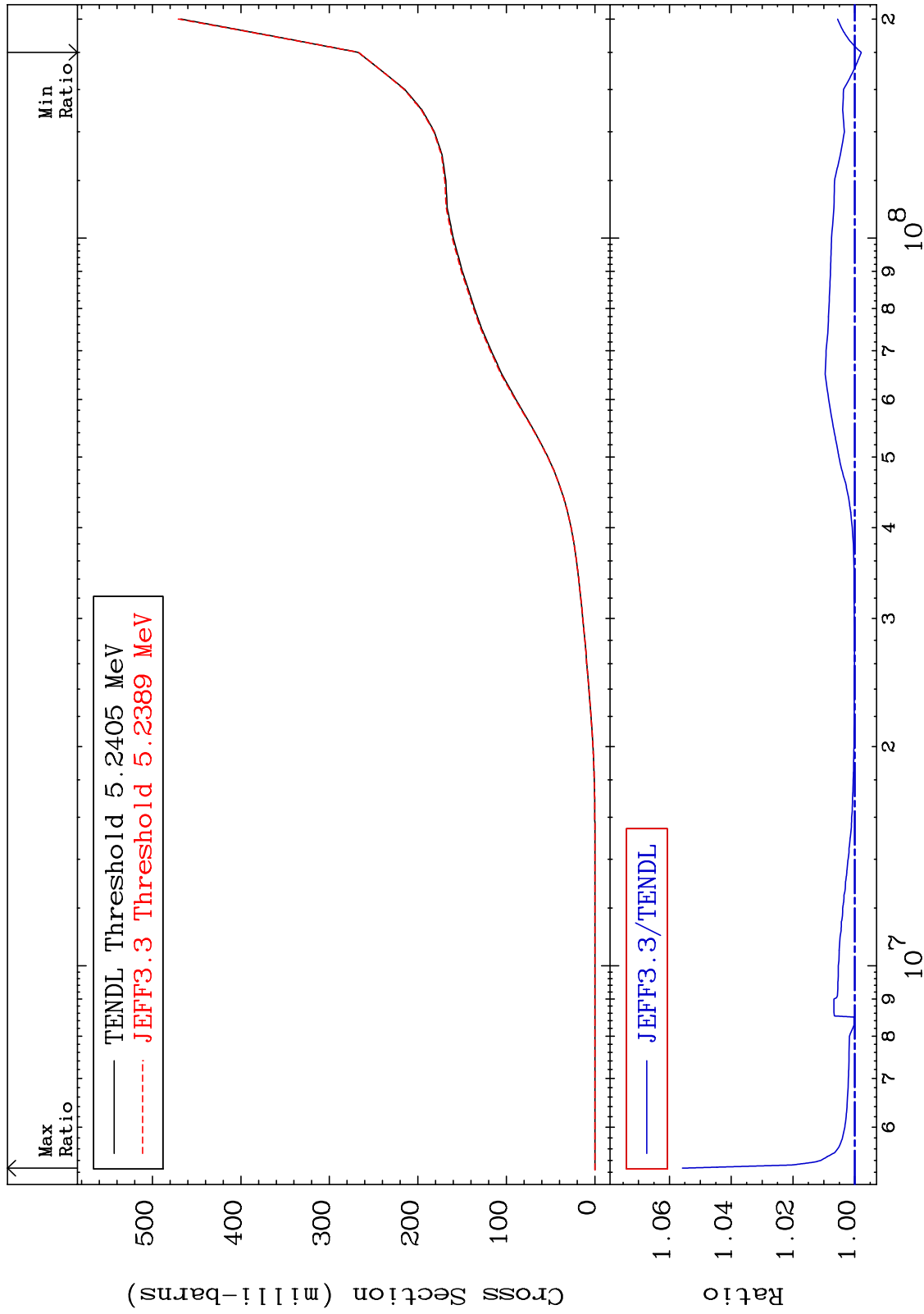
88-Ra-226
-52.65 To 1232. %



MAT 8834

Deuterium Production
Cross Section

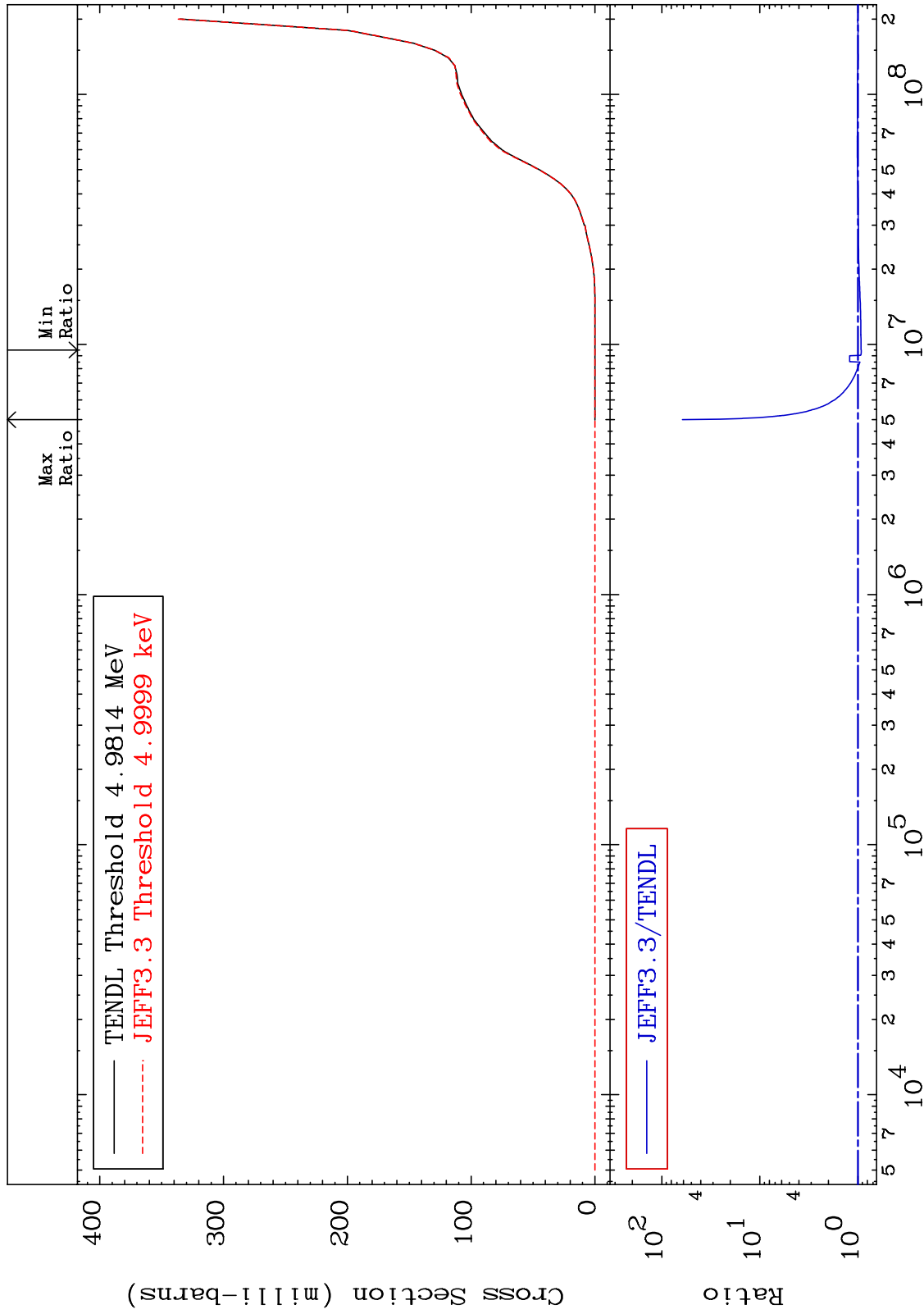
88-Ra-226
-0.212 To 5.578 %



MAT 8834

Tritium Production
Cross Section

88-Ra-226
-7.613 To 6054. %



64

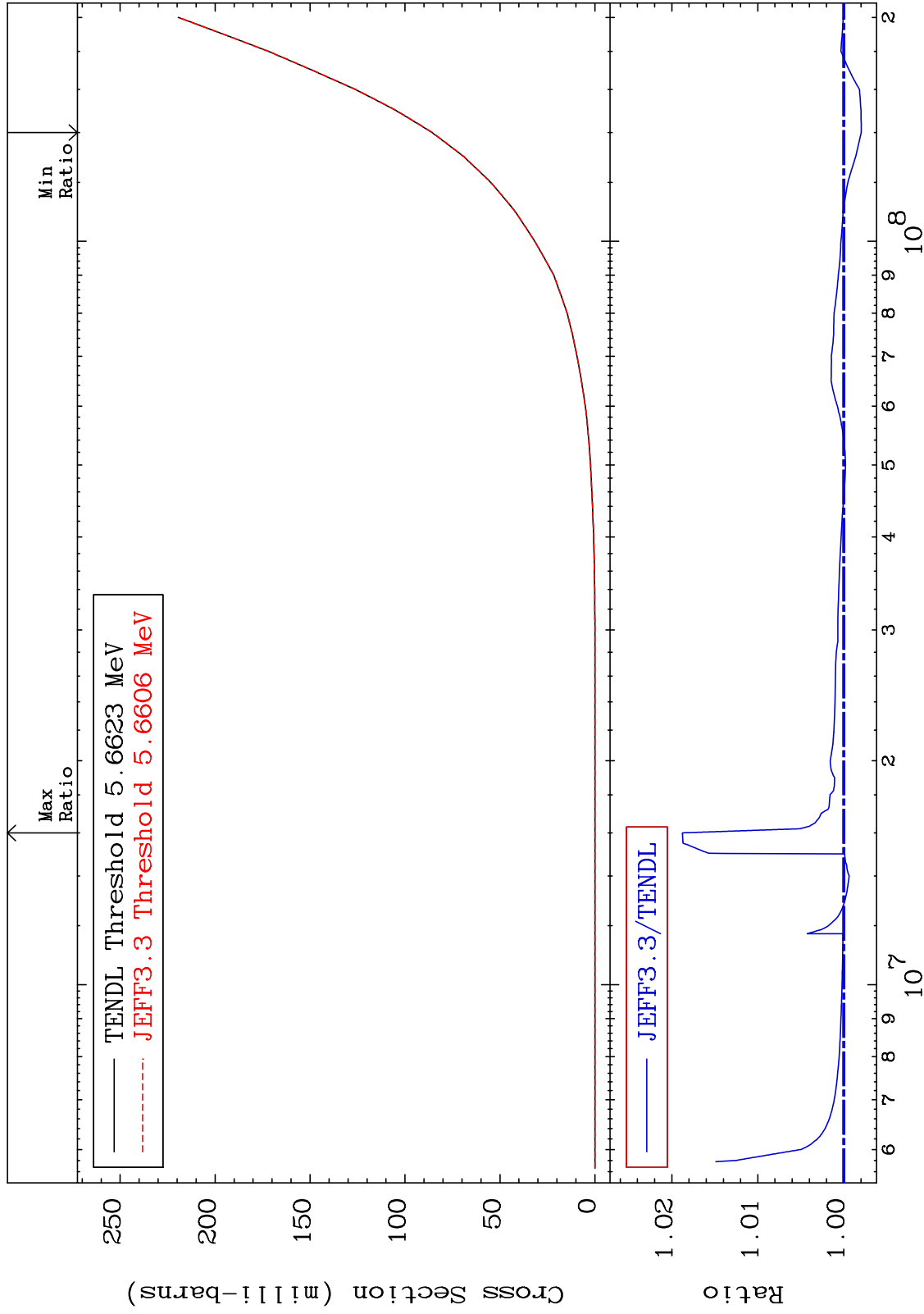
Incident Energy (eV)

88-Ra-226

MAT 8834

He-3 Production
Cross Section

88-Ra-226
-0.204 To 1.876 %



65

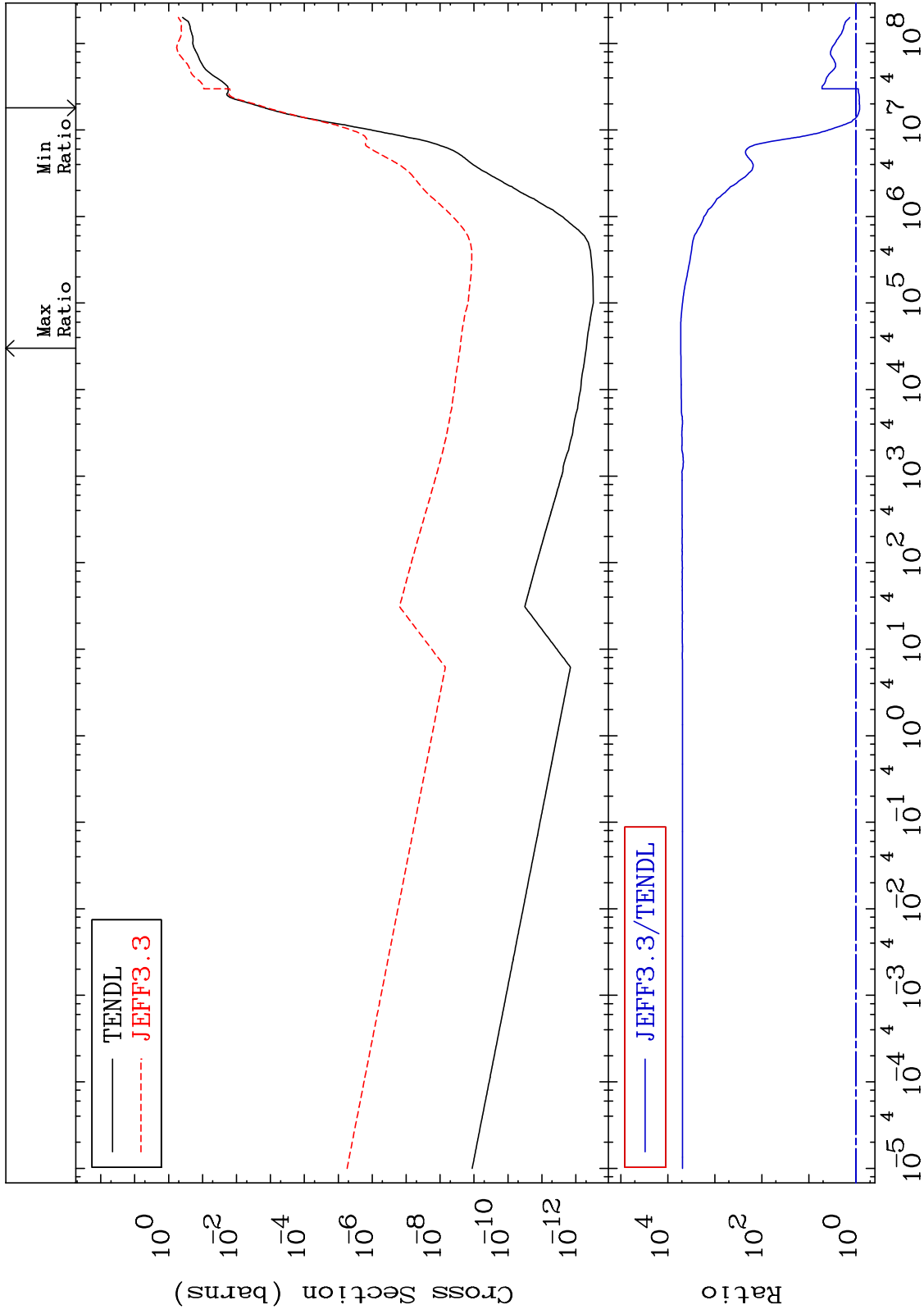
Incident Energy (eV)

88-Ra-226

MAT 8834

He-4 Production
Cross Section

88-Ra-226
-16.96 To 9999. %



66

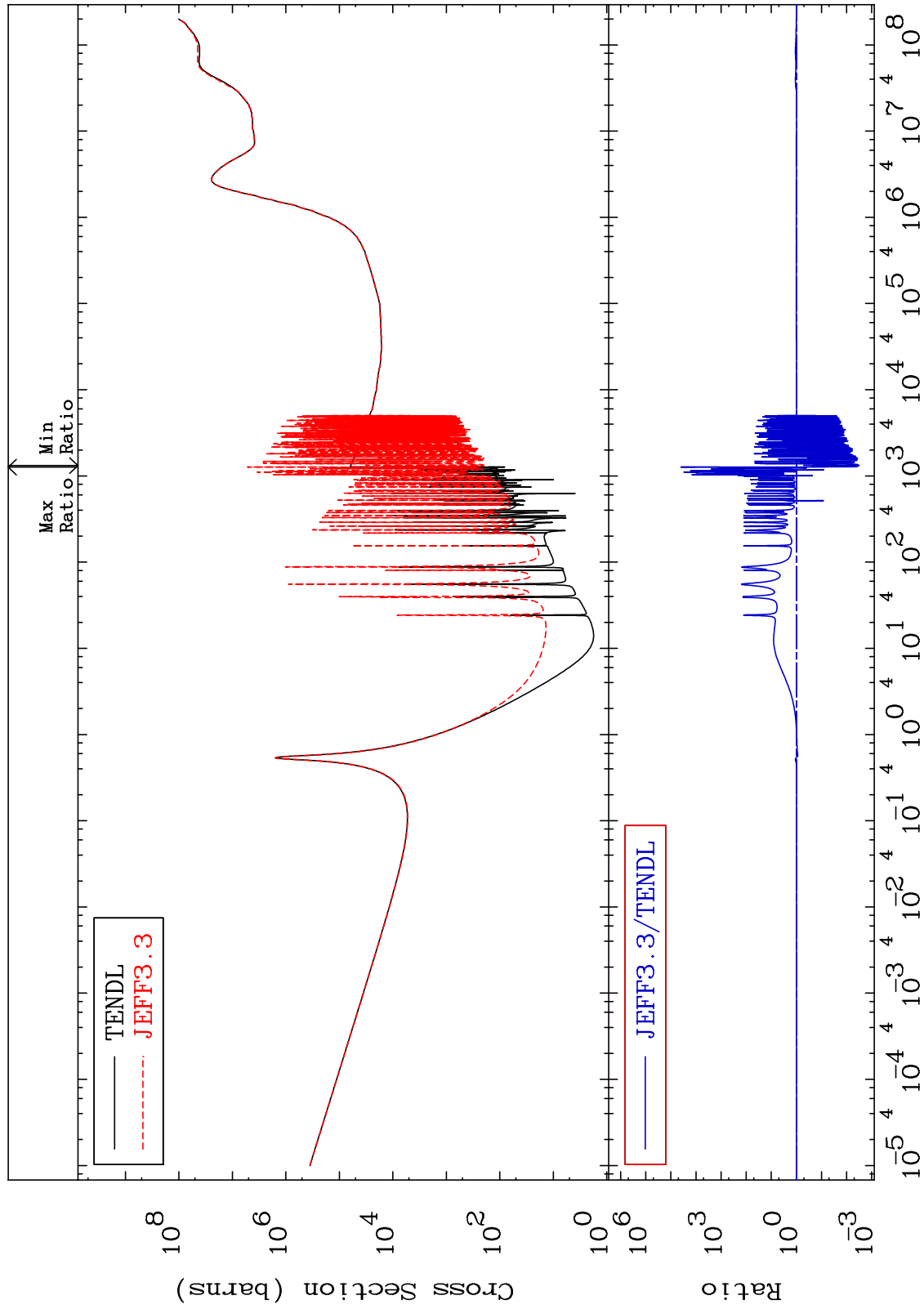
Incident Energy (eV)

88-Ra-226

MAT 8834

Kerma total (eV-barns)
Cross Section

88-Ra-226
-99.68 To 9999. %



67

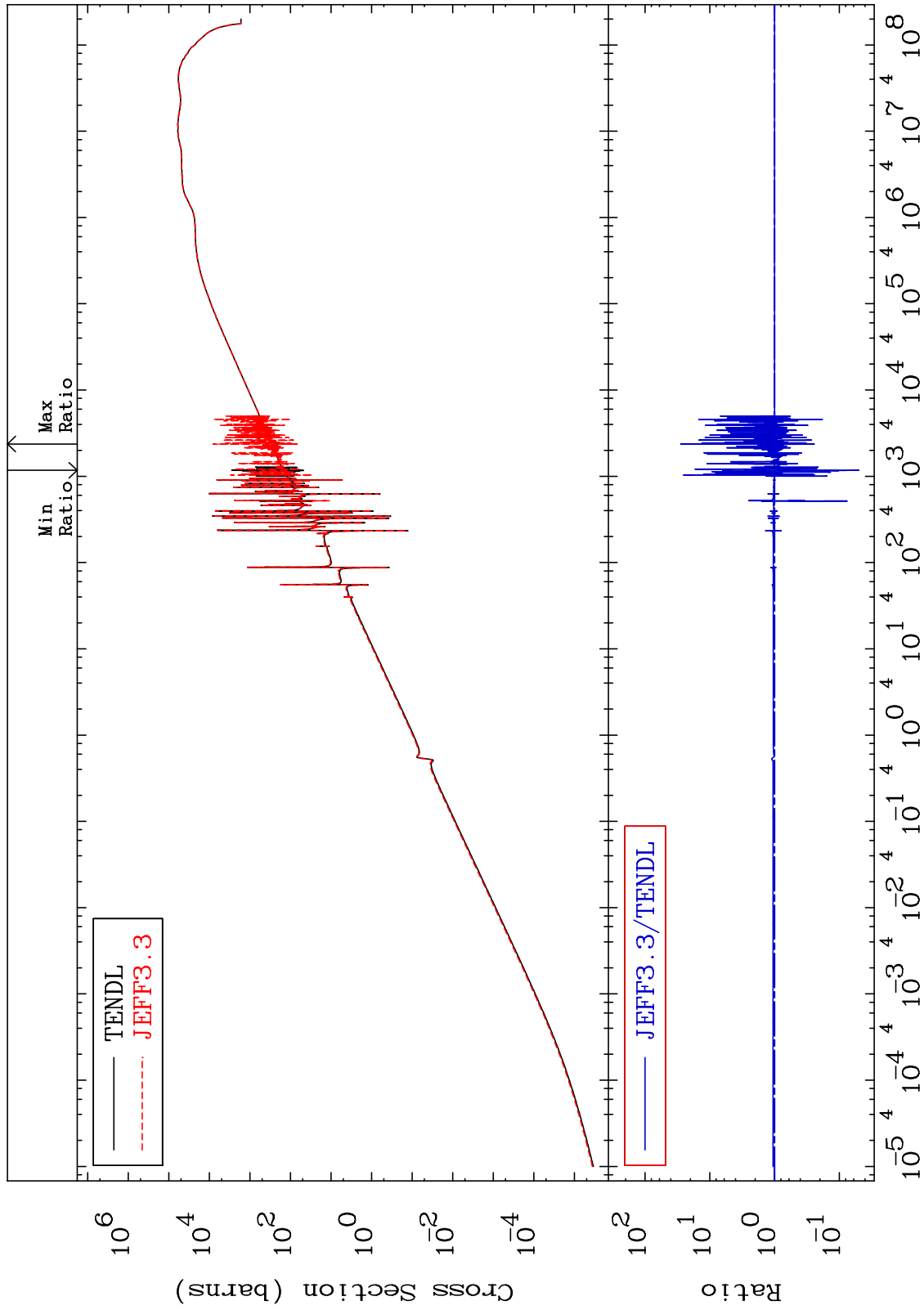
Incident Energy (eV)

88-Ra-226

MAT 8834

Kerma elastic
Cross Section

88-Ra-226
-95.03 To 2718. %



68

Incident Energy (eV)

88-Ra-226

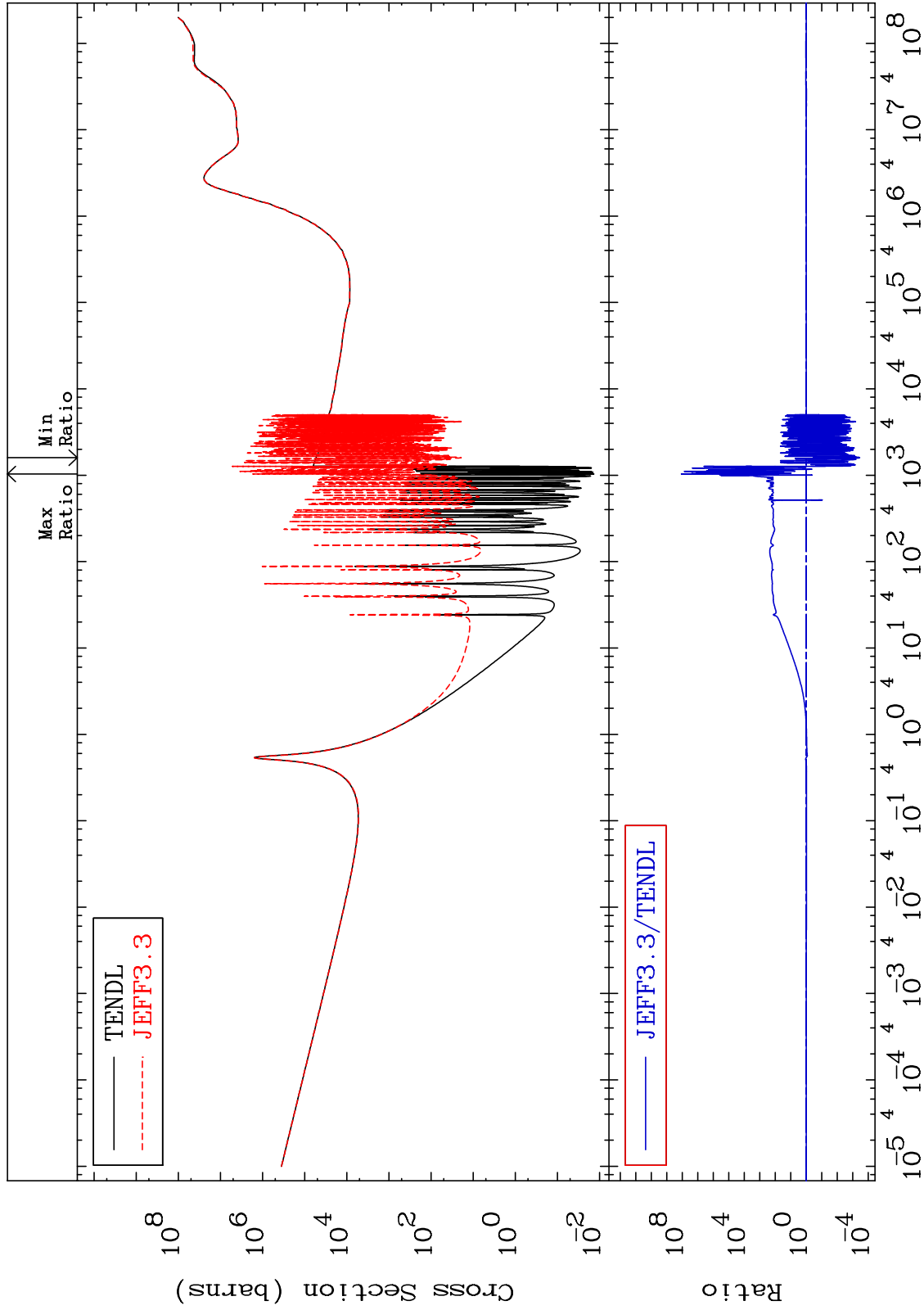
MAT 8834

Kerma non-elastic (all but mt2)

88-Ra-226

-99.96 To 9999. %

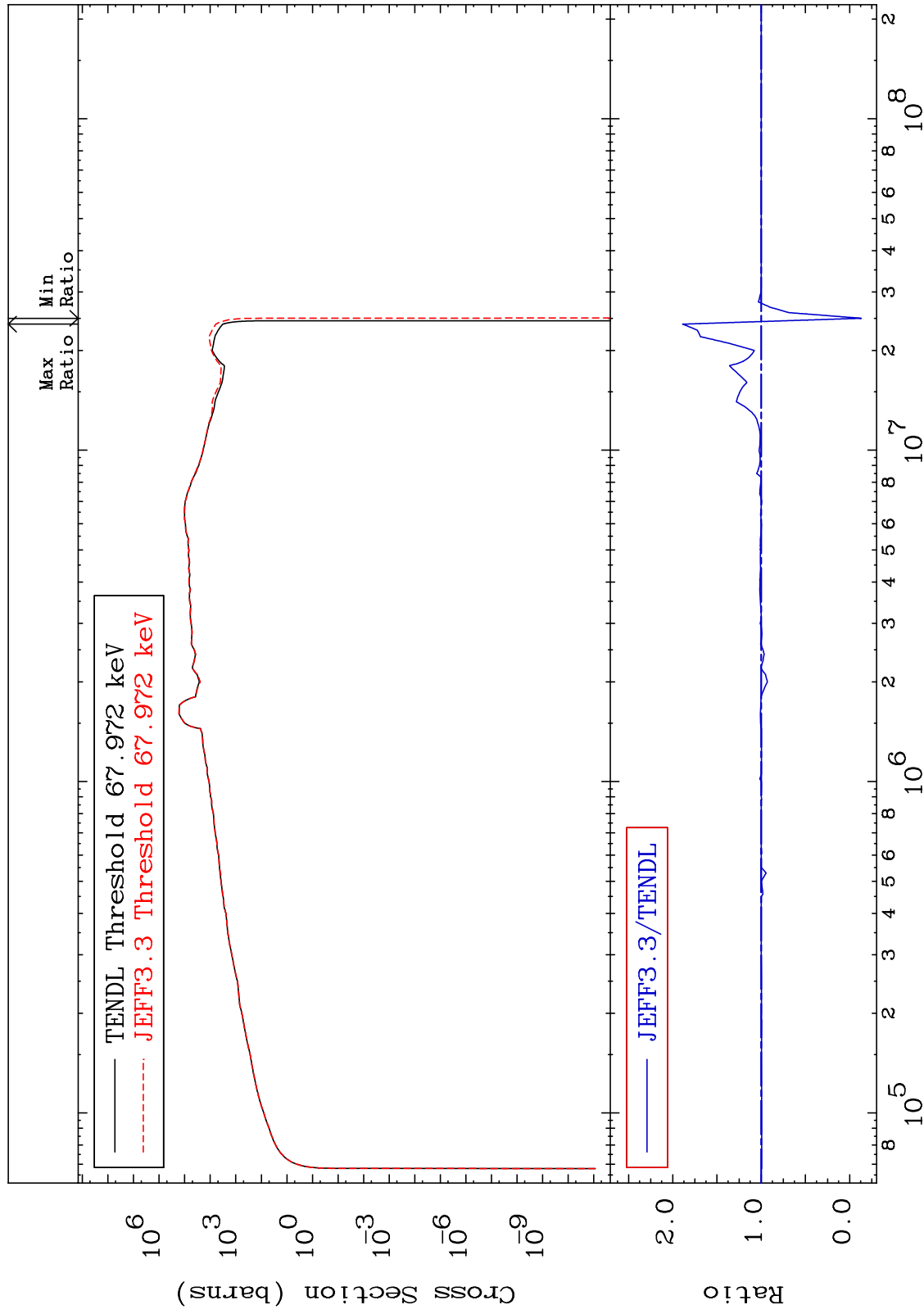
Cross Section



MAT 8834

Kerma inelastic (mt51-91)
Cross Section

88-Ra-226
-113.2 To 88.81 %



70

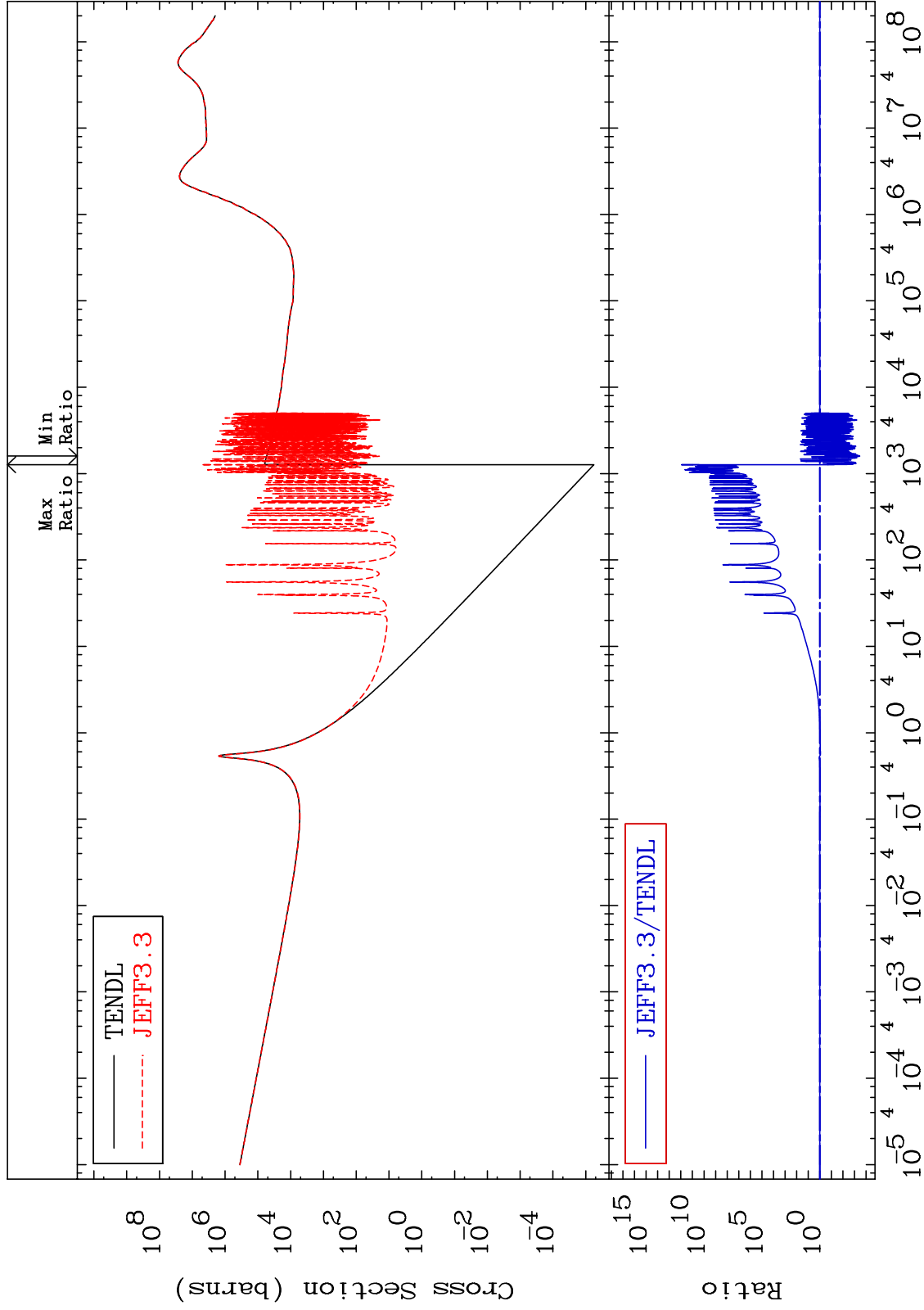
Incident Energy (eV)

88-Ra-226

MAT 8834

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

88-Ra-226
-99.96 To 9999. %



71

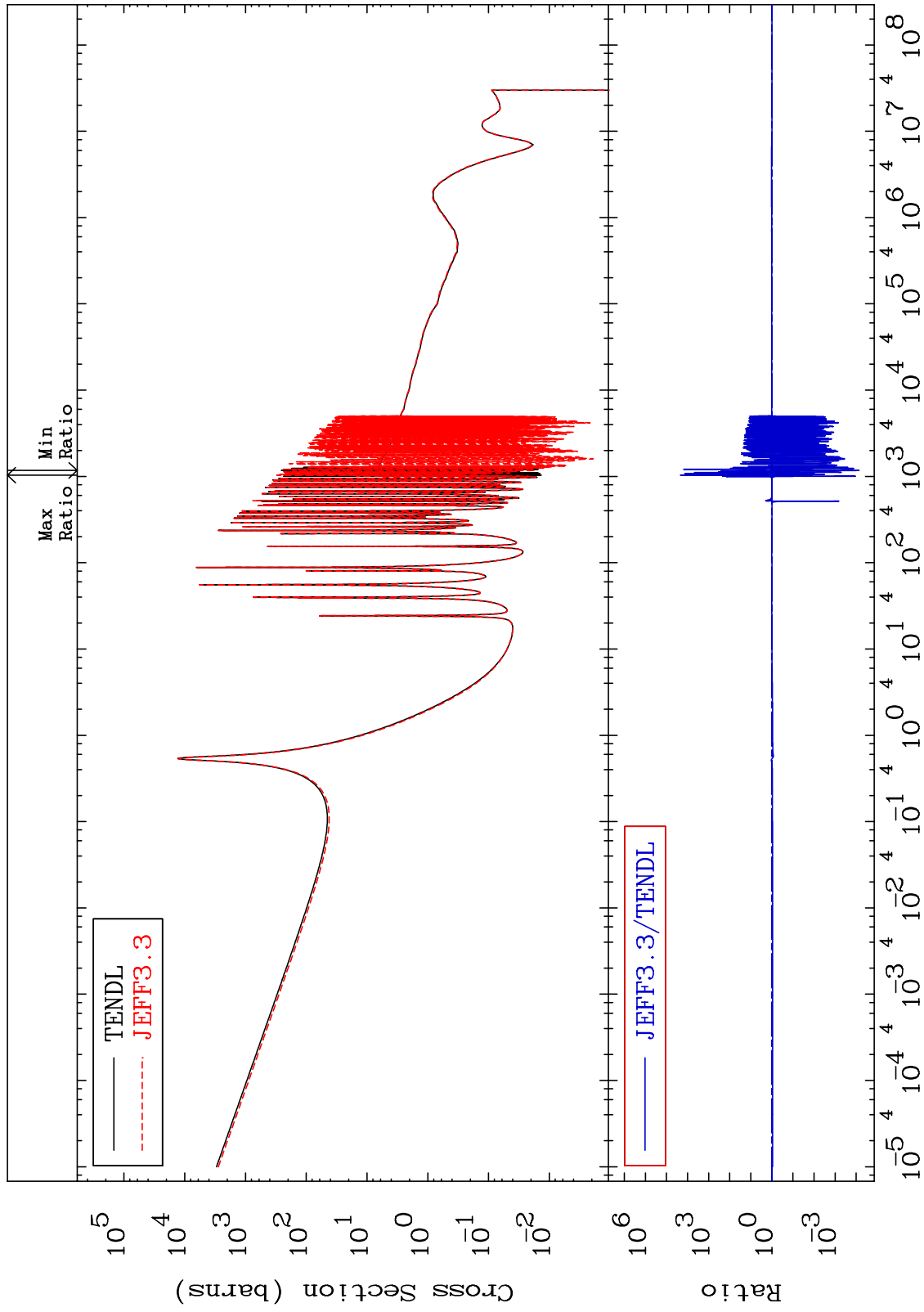
Incident Energy (eV)

88-Ra-226

MAT 8834

Kerma capture (mt102)
Cross Section

88-Ra-226
-99.99 To 9999. %



72

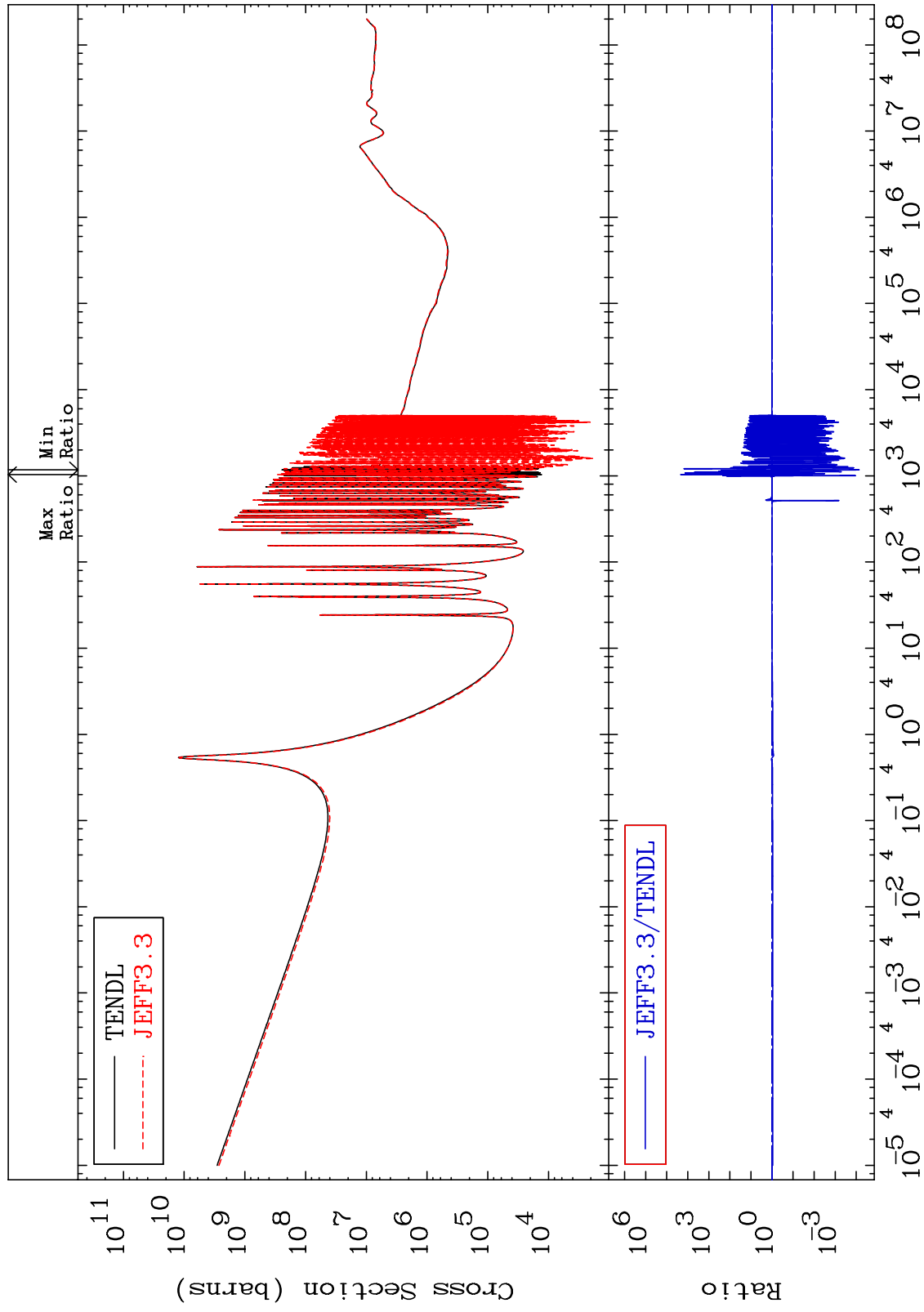
Incident Energy (eV)

88-Ra-226

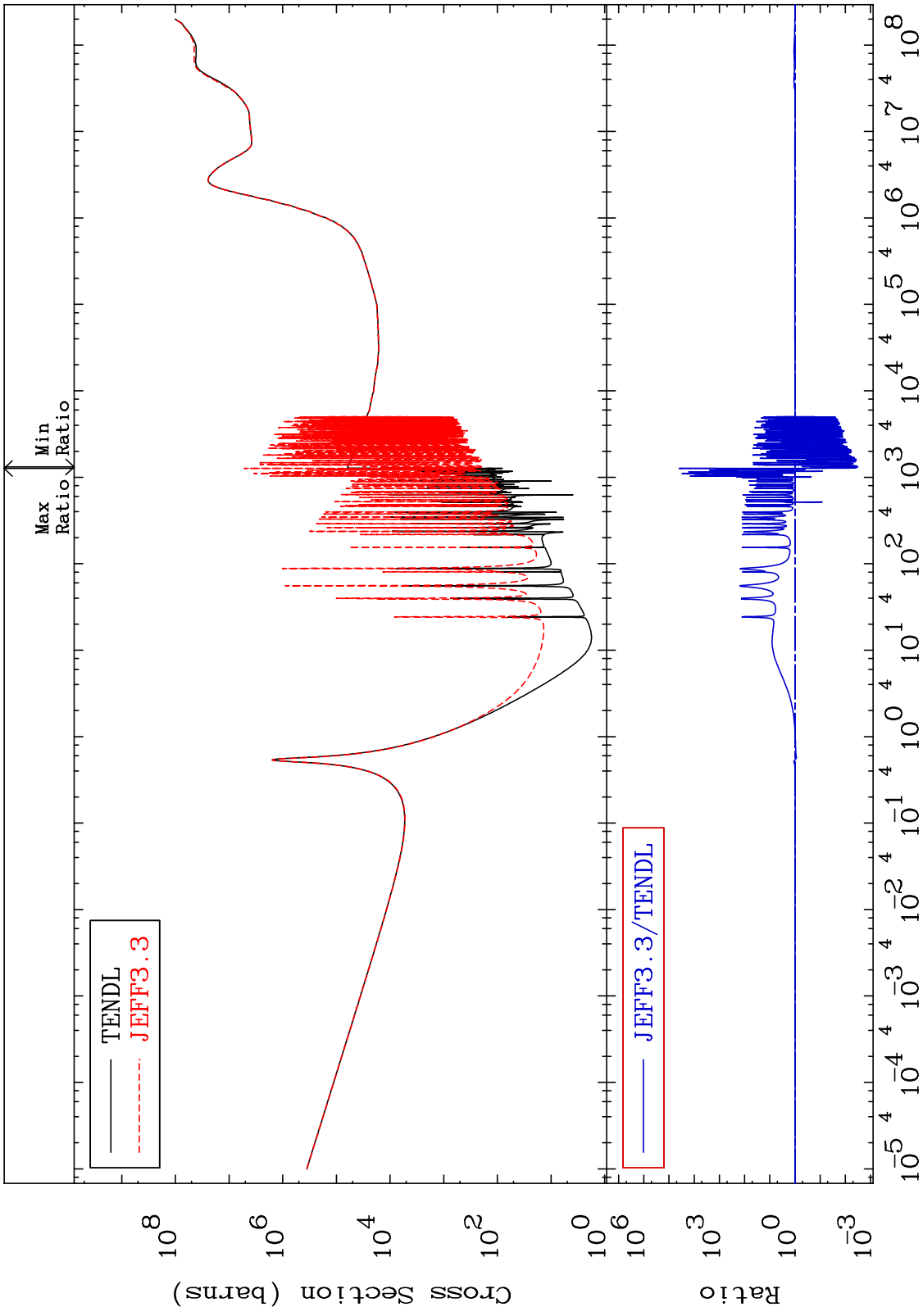
MAT 8834

Total photon (eV-barns)
Cross Section

88-Ra-226
-99.99 To 9999. %



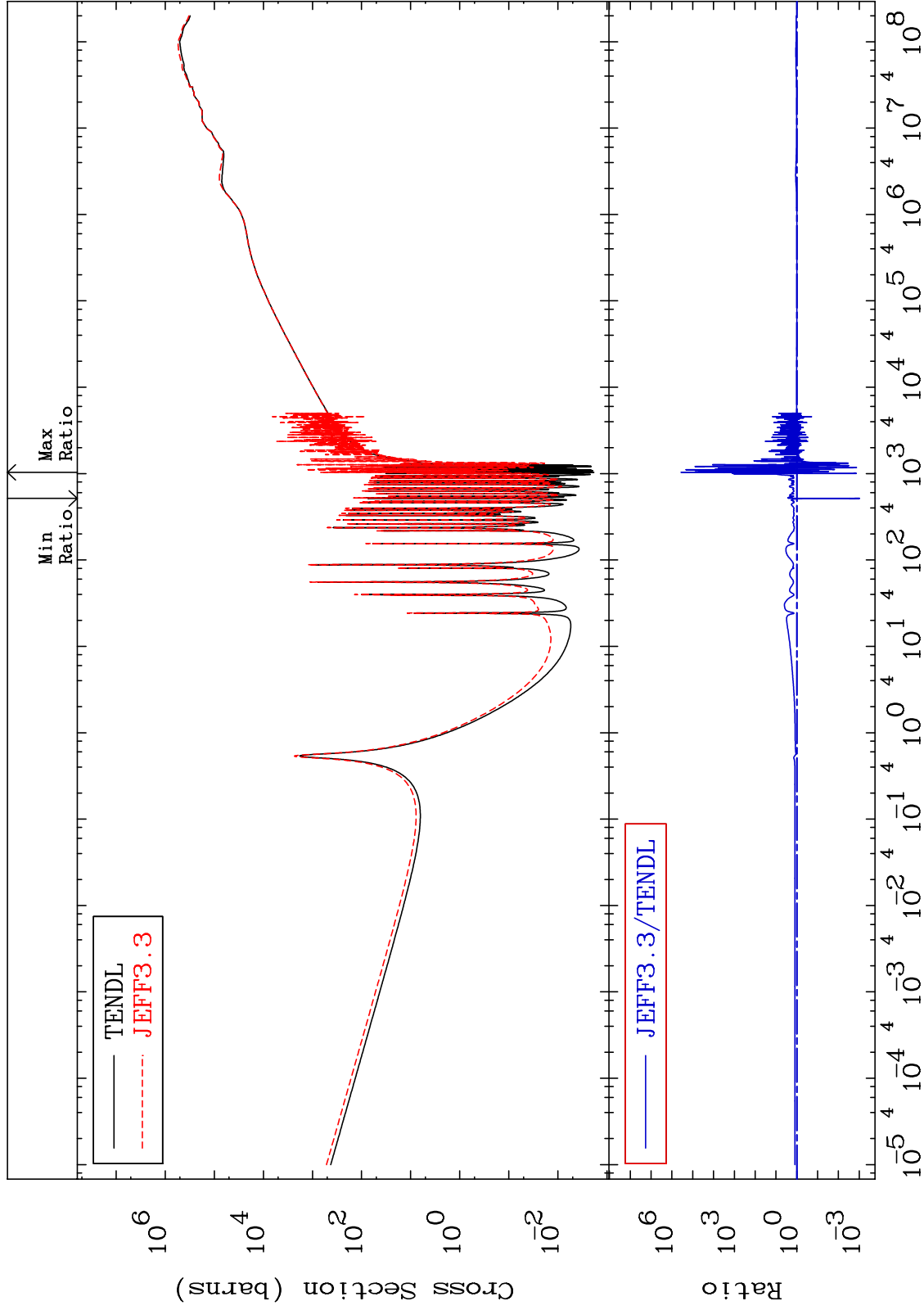
MAT 8834 Total kinematic kerma (high limit) 88-Ra-226
Cross Section -99.68 To 9999. %



MAT 8834

Dpa total (eV-barns)
Cross Section

88-Ra-226
-99.91 To 9999. %



75

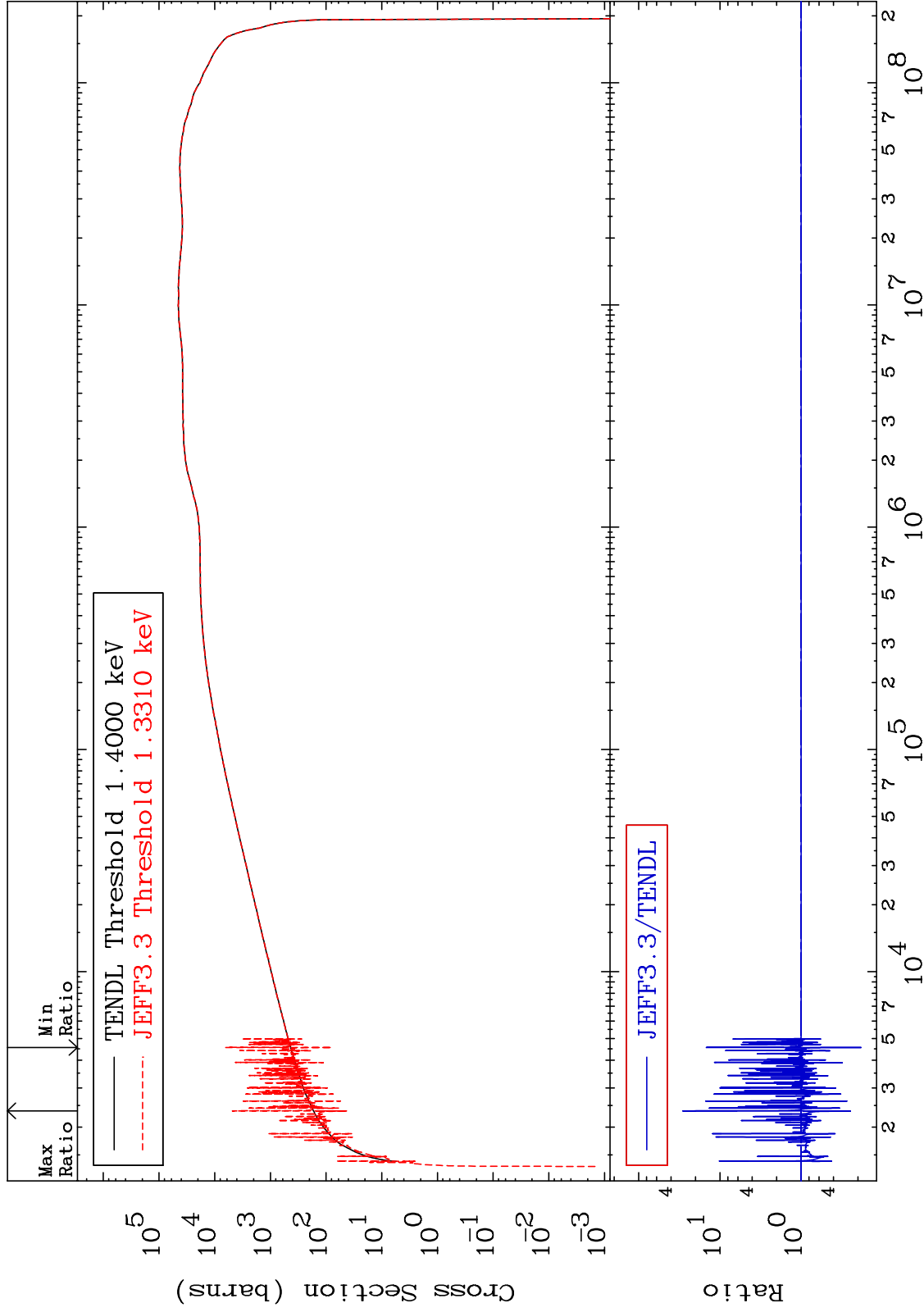
Incident Energy (eV)

88-Ra-226

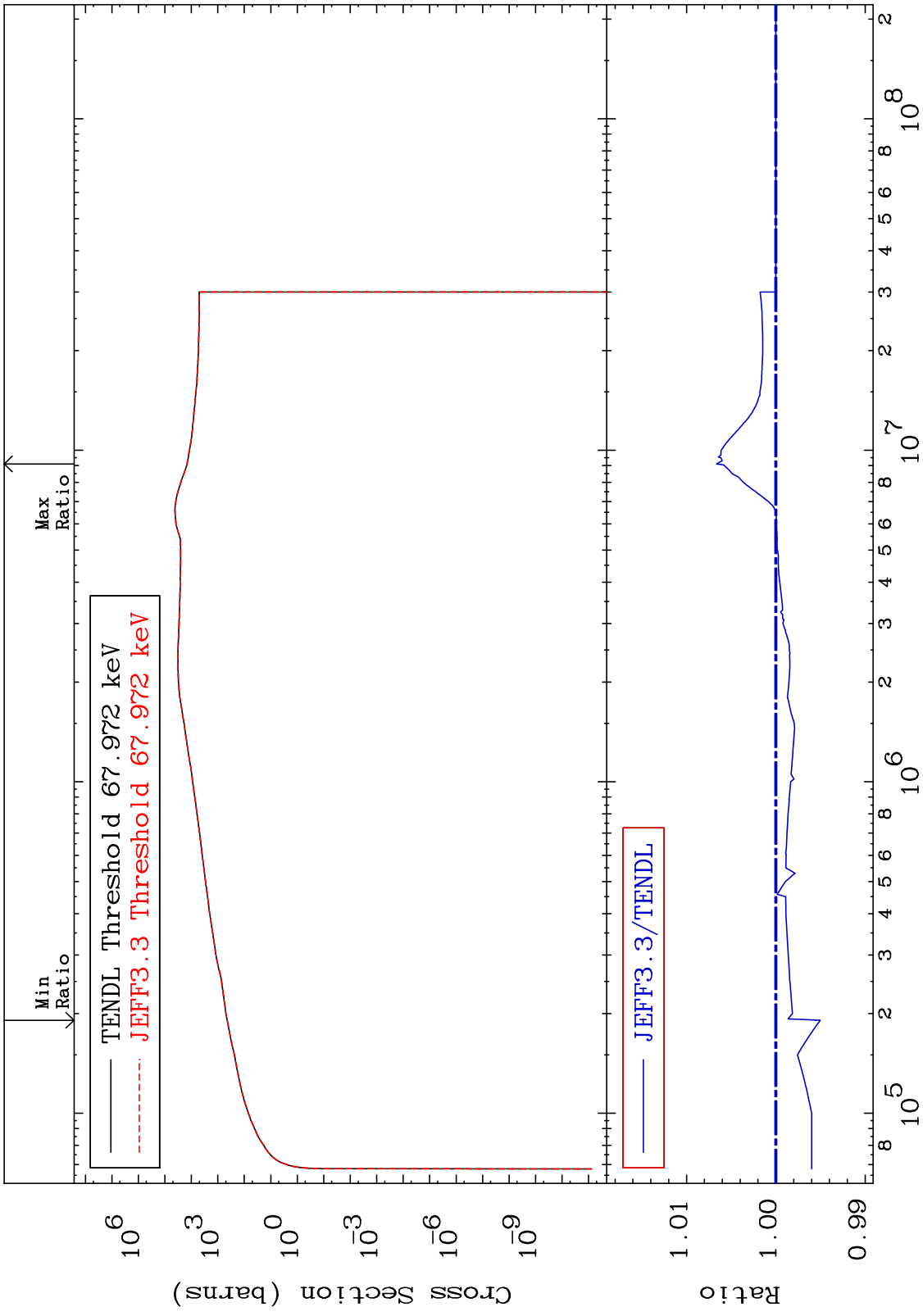
MAT 8834

Dpa elastic (mt2)
Cross Section

88-Ra-226
-81.83 To 2791. %



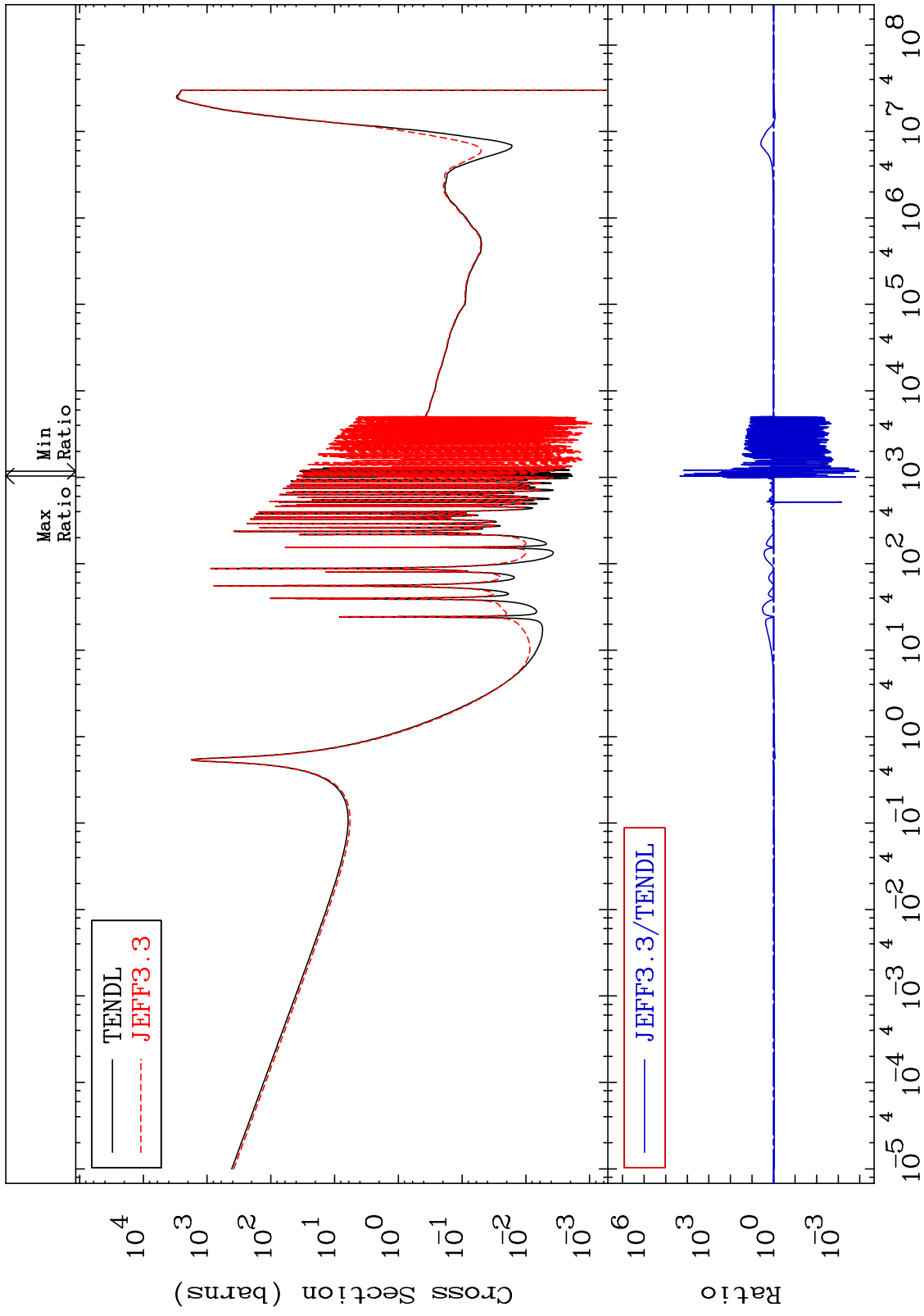
MAT 8834 Dpa inelastic (mt51-91) 88-Ra-226
 Cross Section -0.498 To 0.663 %



MAT 8834

Dpa disappearance (mt102 -120)
Cross Section

88-Ra-226
-99.99 To 9999. %



78

Incident Energy (eV)

88-Ra-226