

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

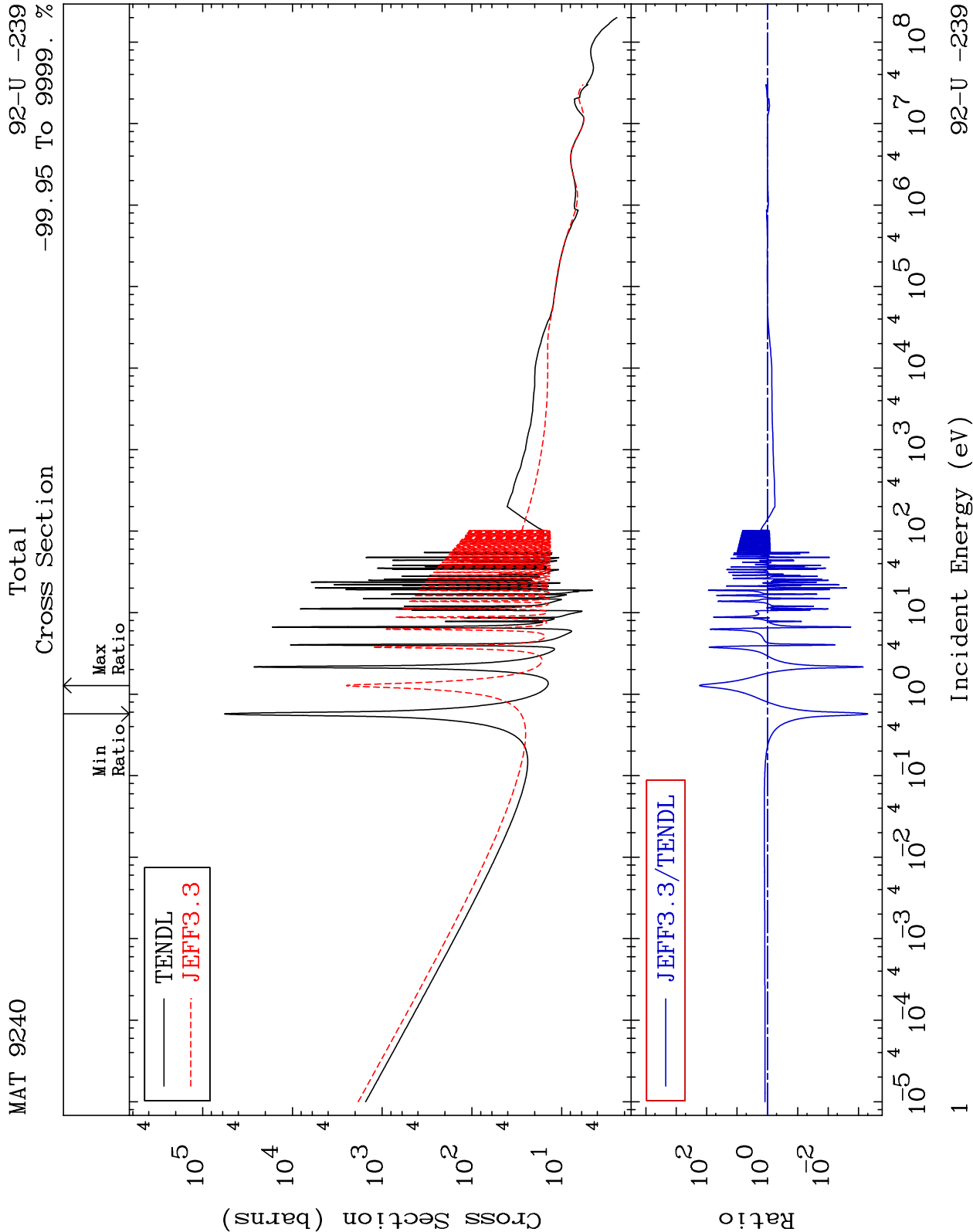
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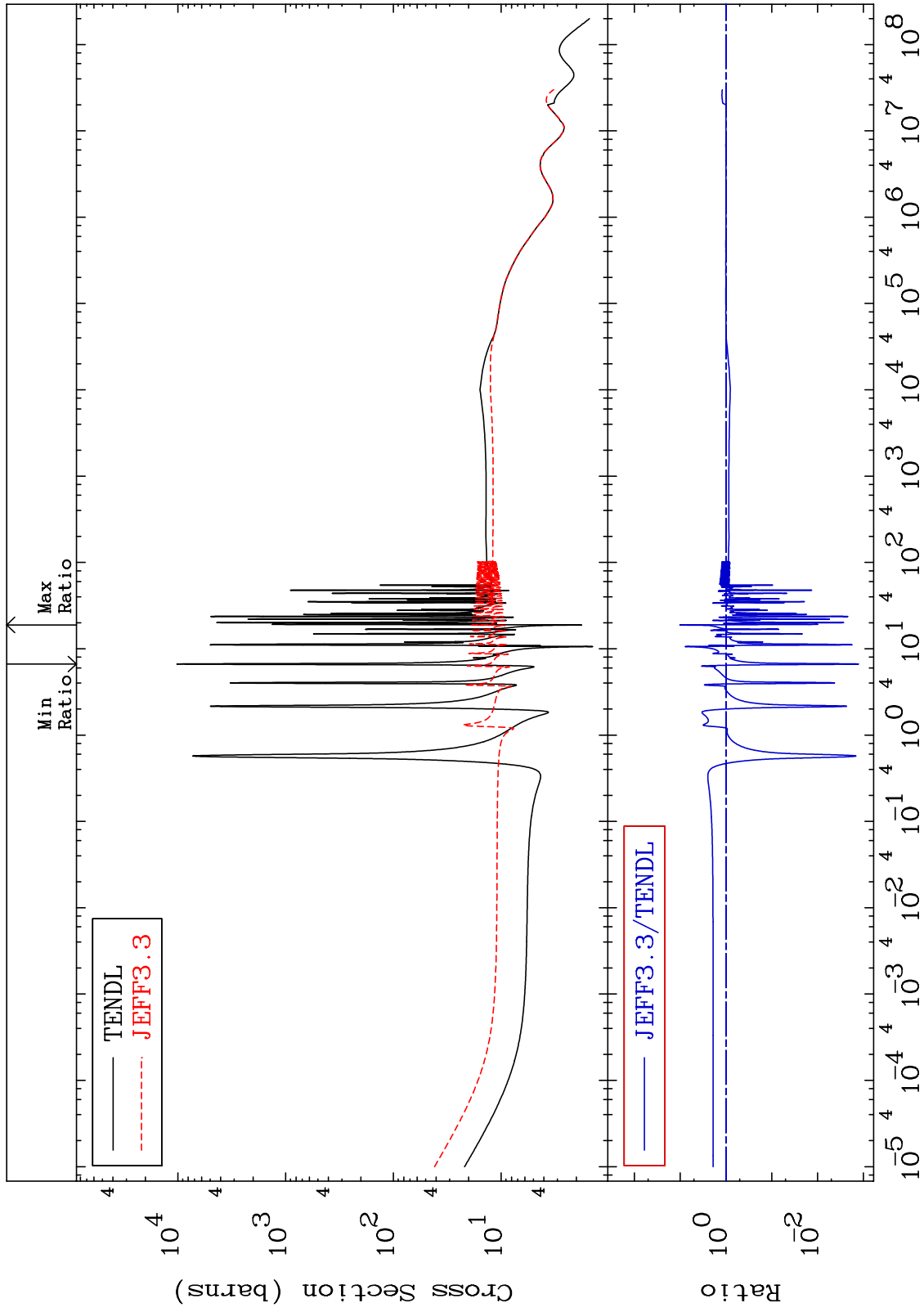
Press Mouse Button to Start



MAT 9240

Elastic
Cross Section

92-U -239
-99.87 To 903.0 %



2

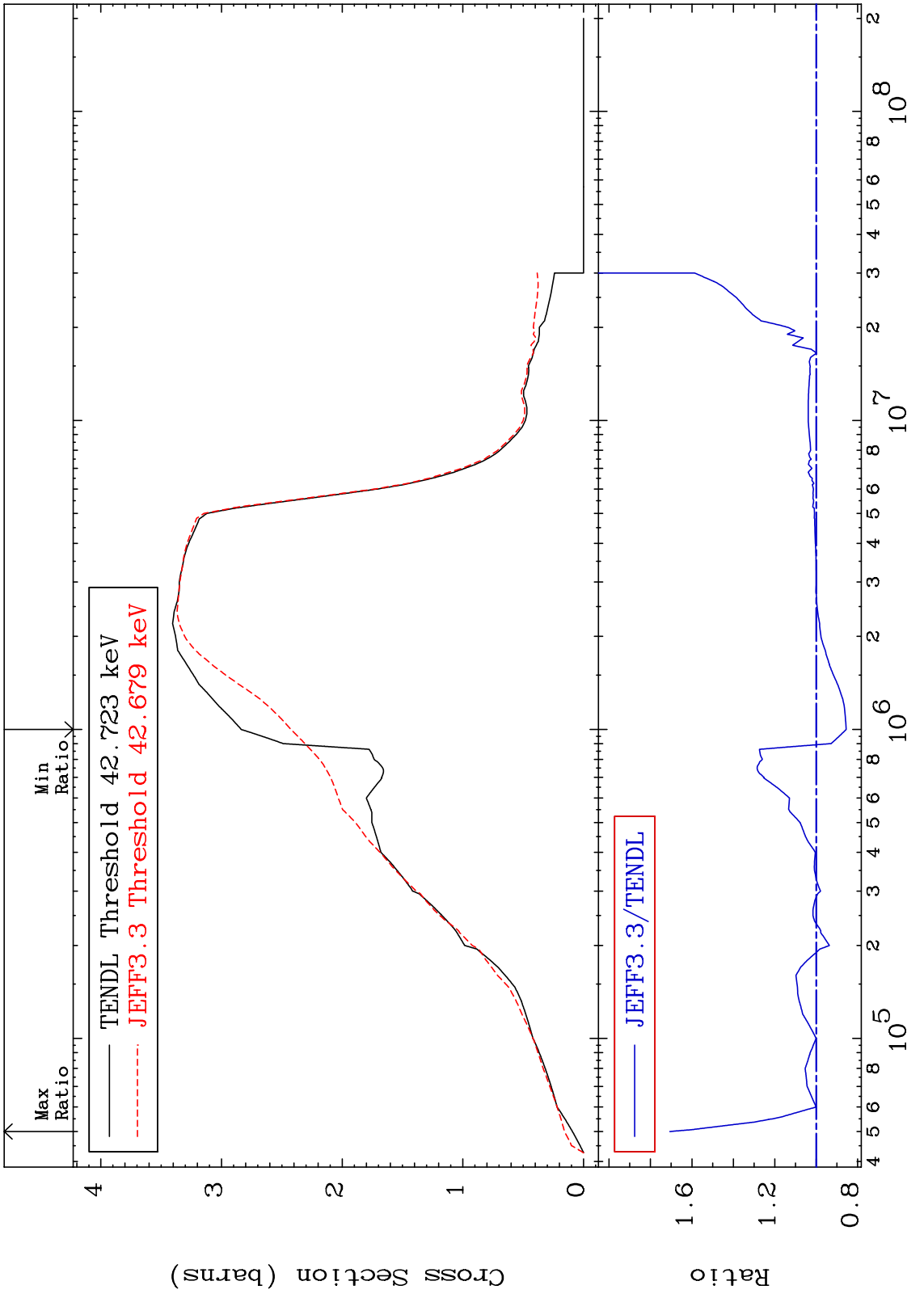
Incident Energy (eV)

92-U -239

MAT 9240

Inelastic
Cross Section

92-U -239
-14.49 To 70.64 %

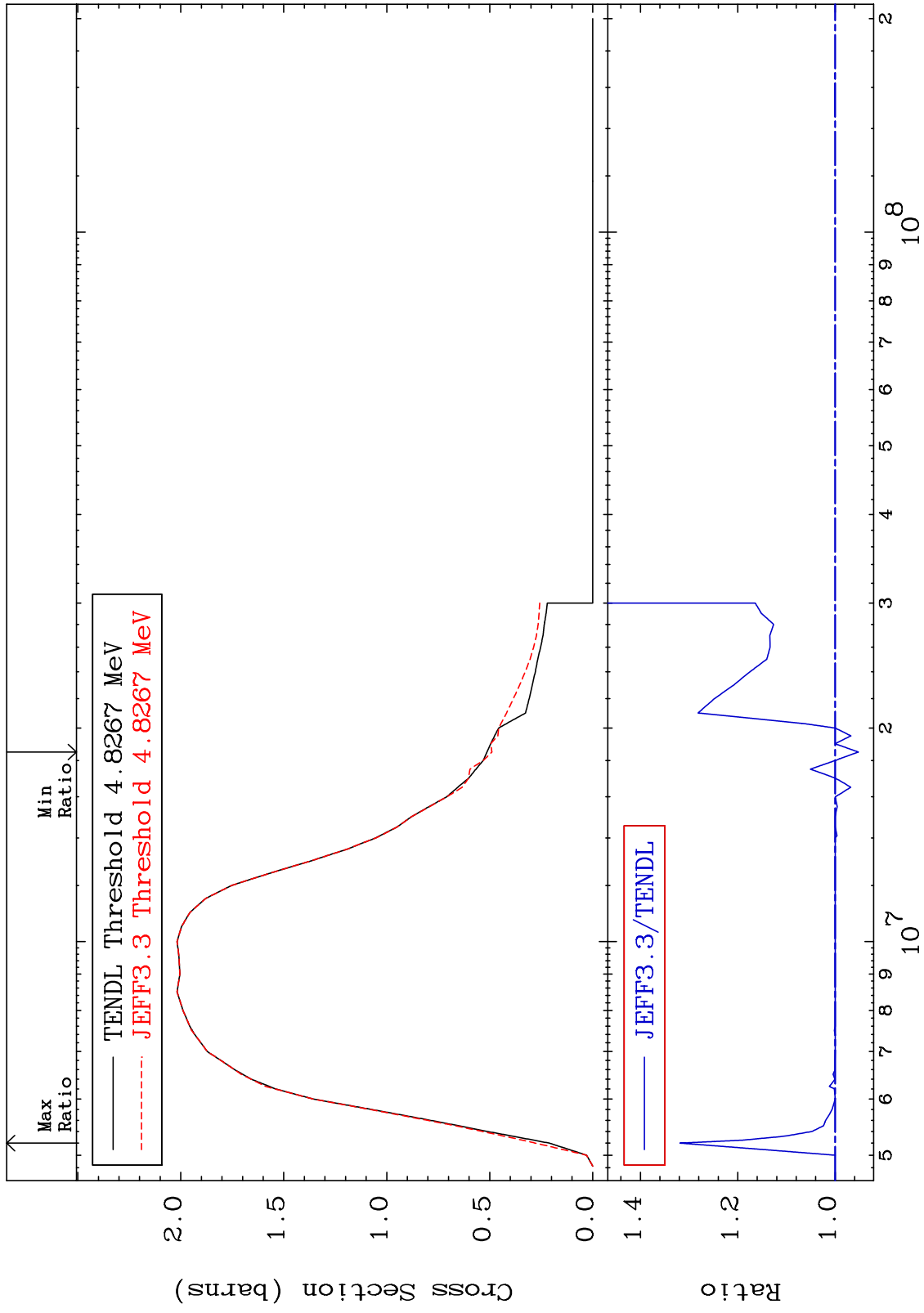


3

Incident Energy (eV)

92-U -239

MAT 9240 (n,2n) Cross Section 92-U -239 -4.777 To 31.86 %



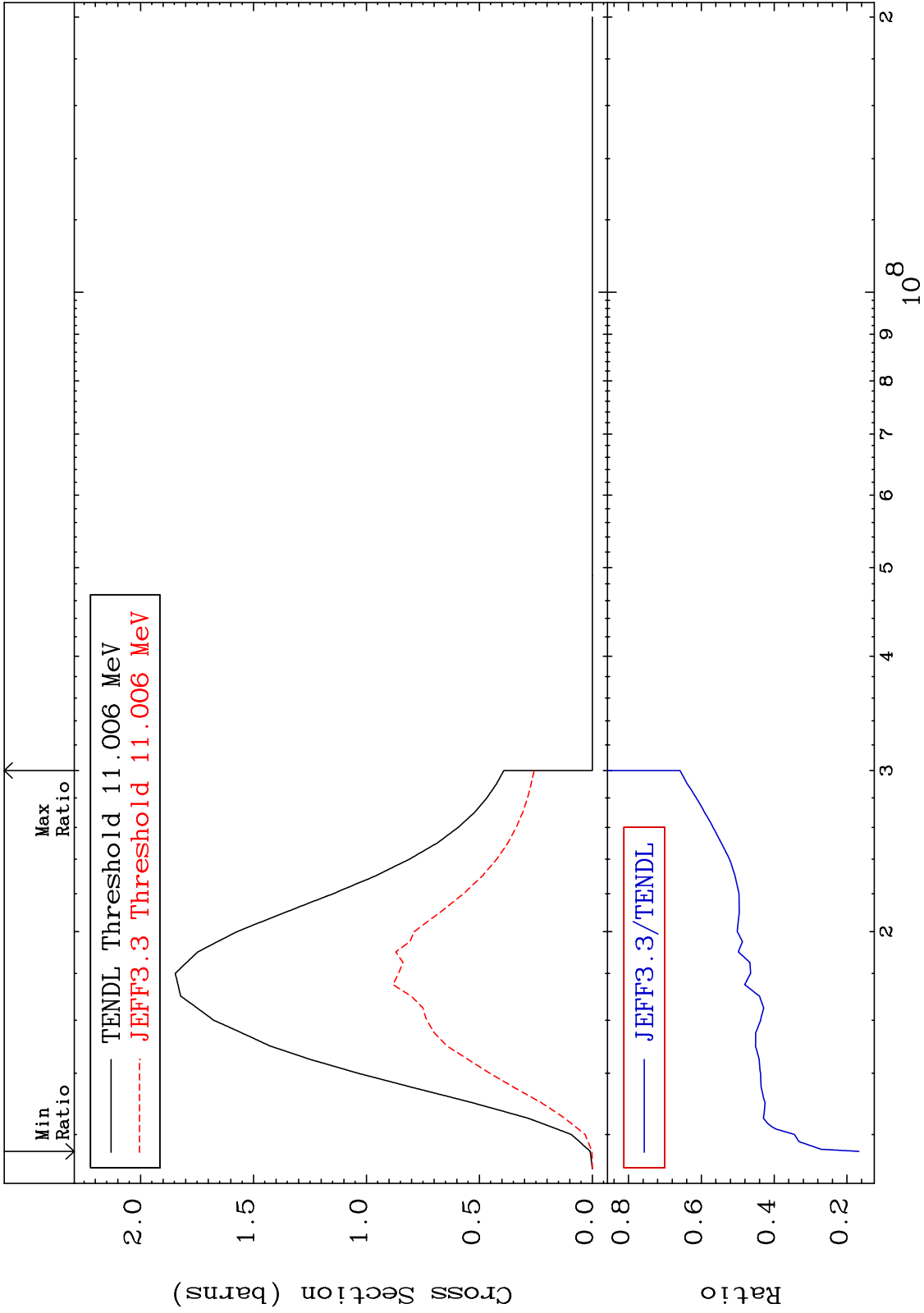
MAT 9240

(n,3n)

92-U -239

Cross Section

-83.31 To -34.14%



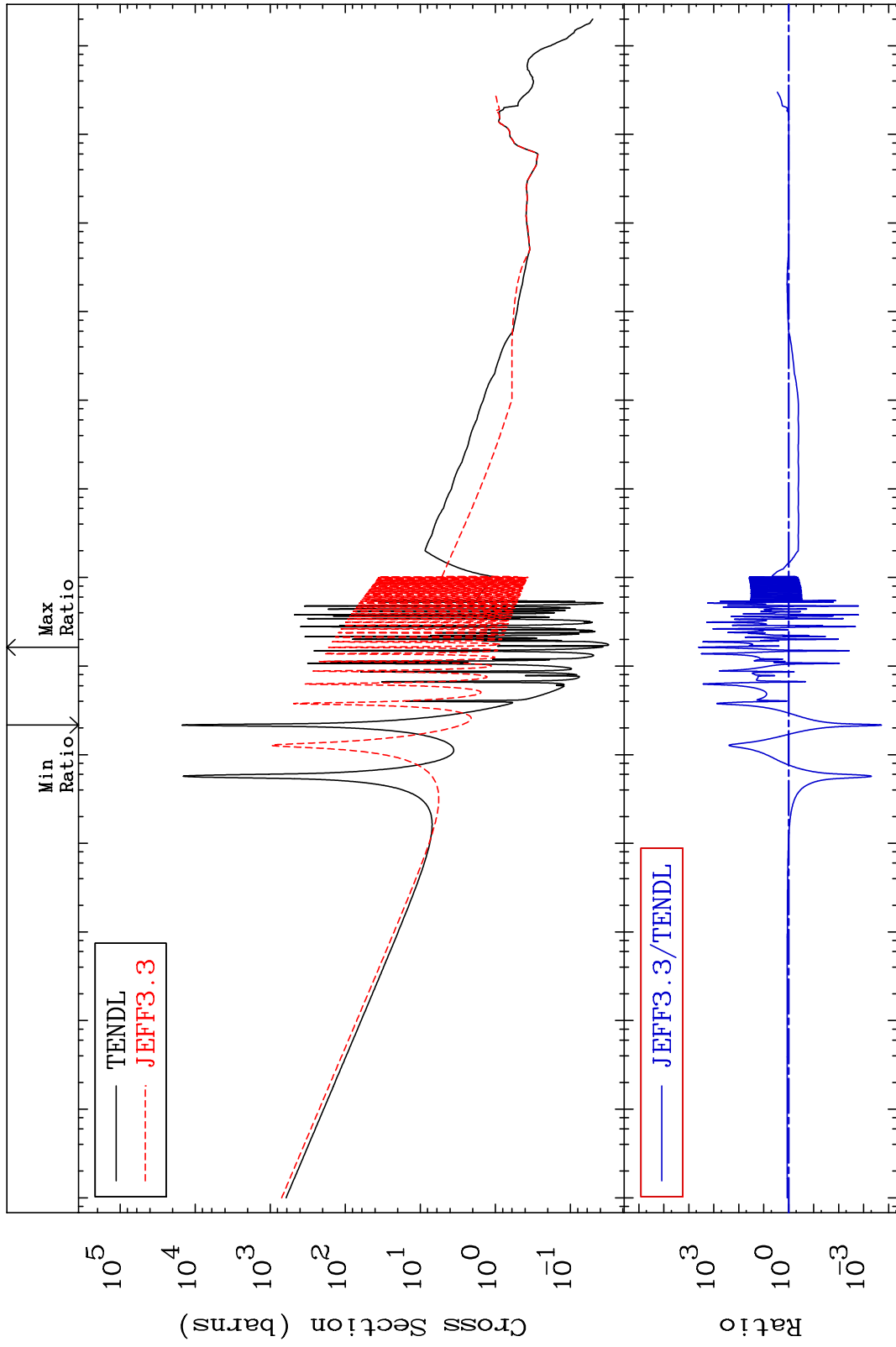
MAT 9240

Fission

92-U -239

-99.98 To 9999. %

Cross Section

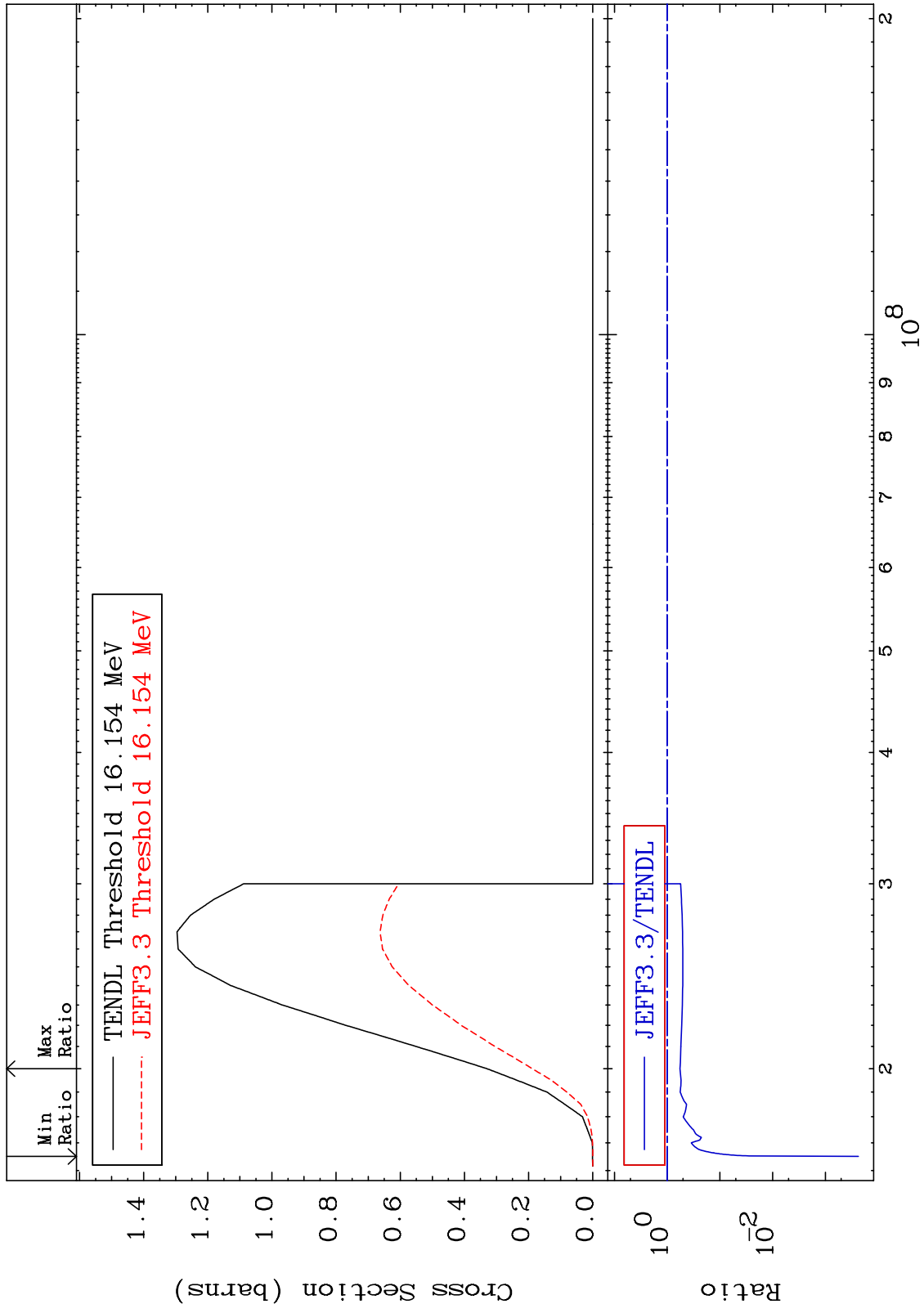


6

Incident Energy (eV)

92-U -239

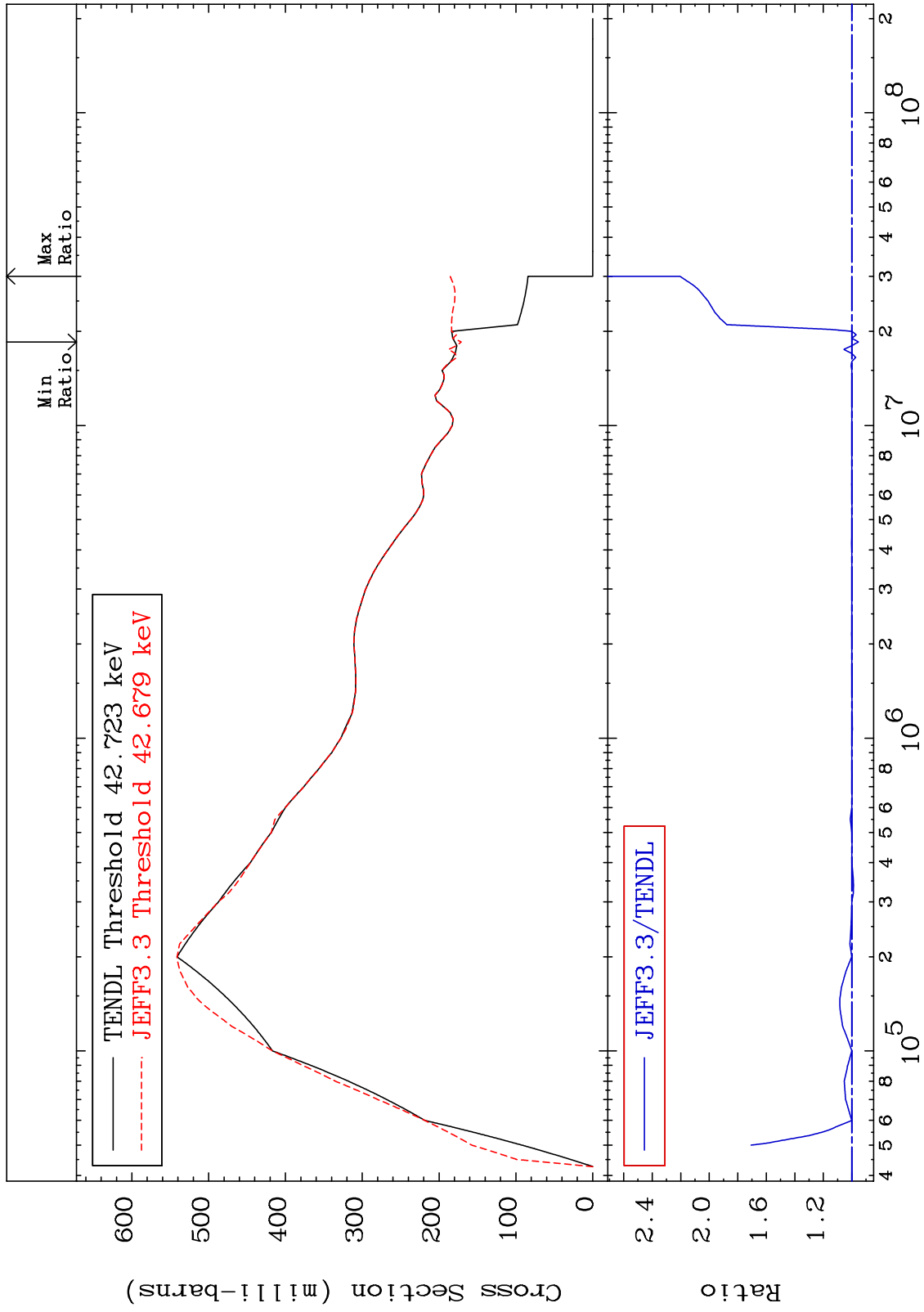
MAT 9240 (n, 4n) Cross Section 92-U -239 -99.98 To -42.90%



MAT 9240

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

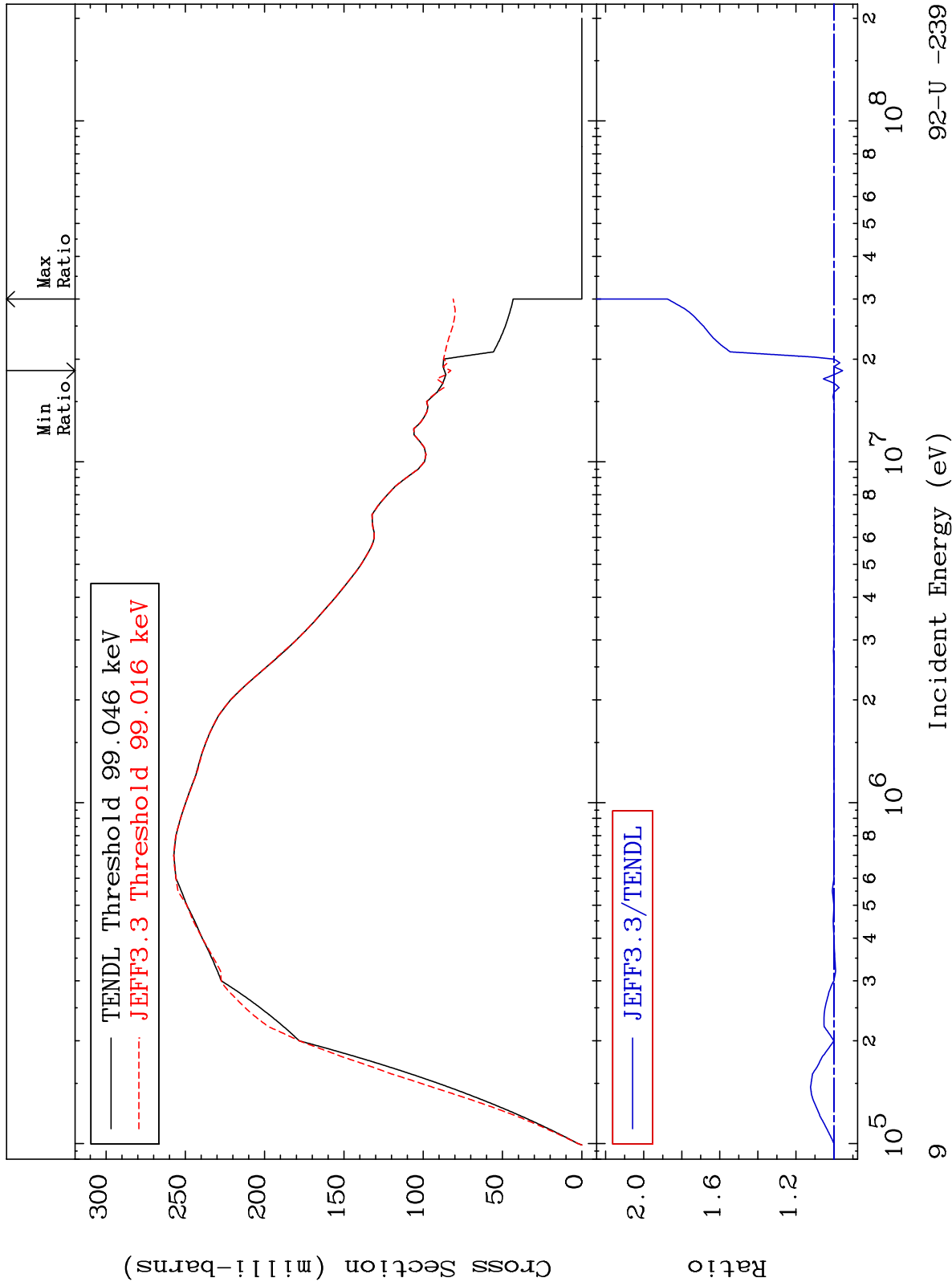
92-U -239
-4.607 To 120.5 %



MAT 9240

MT= 52 (n,n') Level
Cross Section

92-U -239
-4.573 To 87.46 %

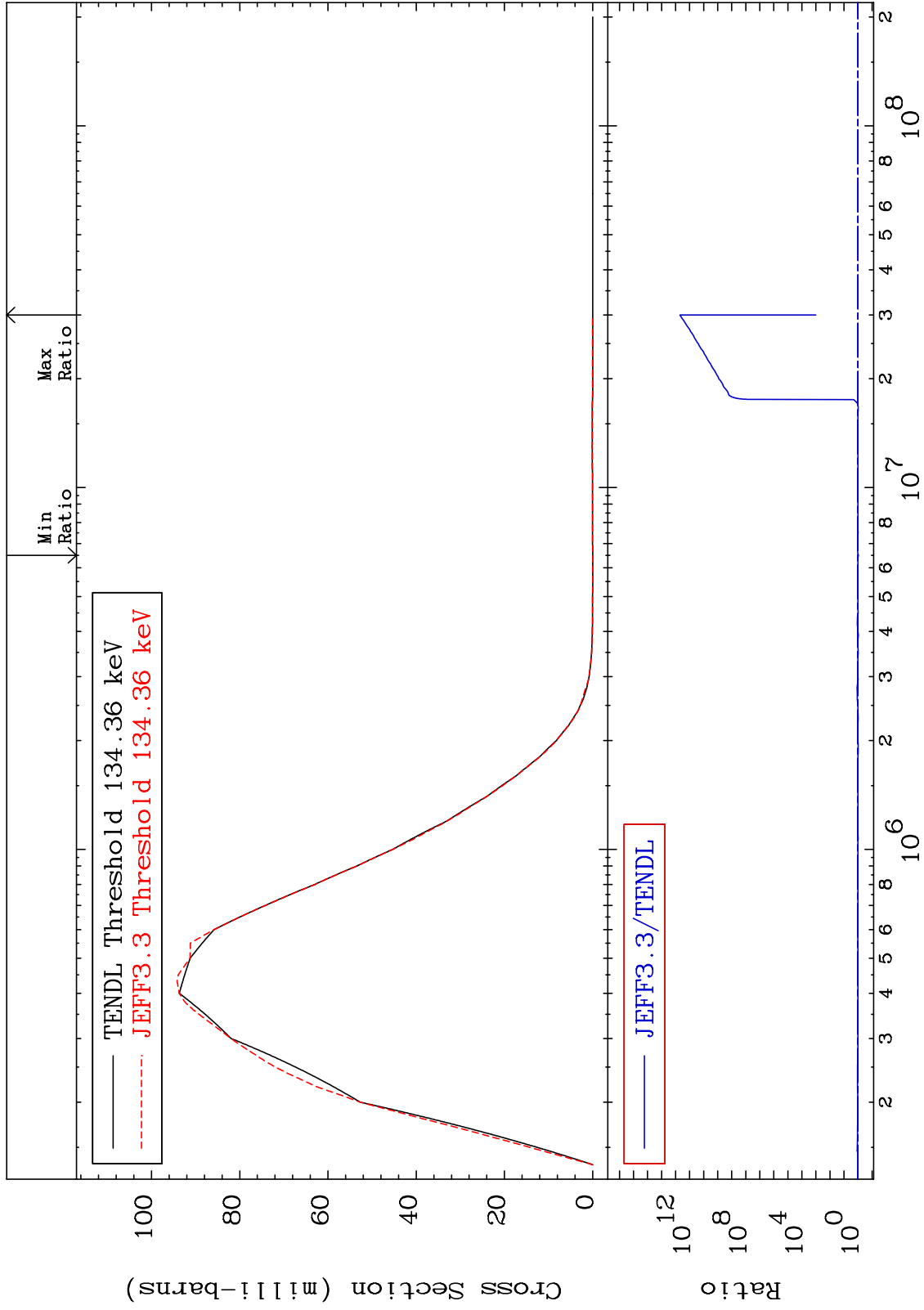


92-U -239

MAT 9240

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

92-U -239
-7.046 To 9999. %

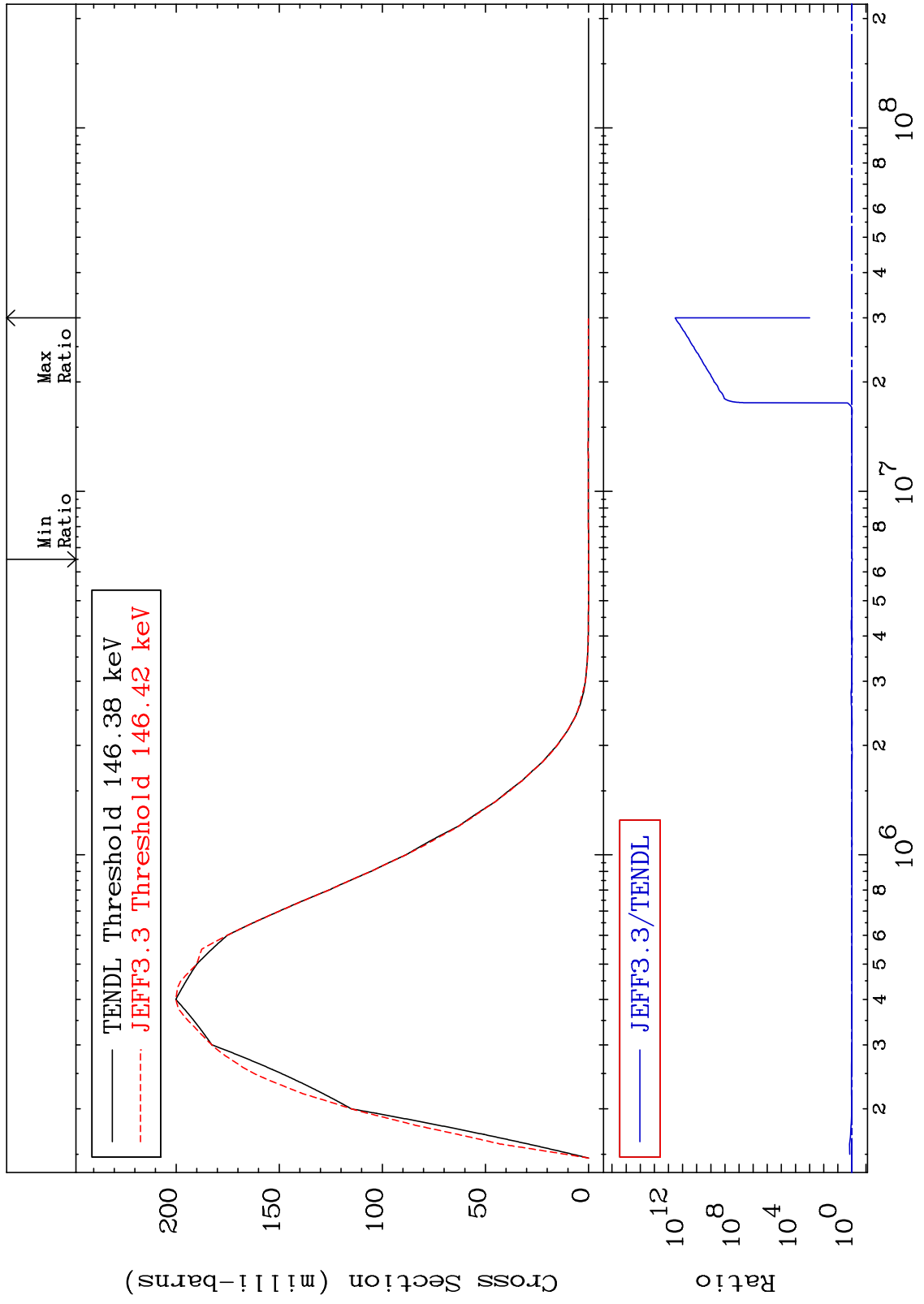


10

Incident Energy (eV)

92-U -239

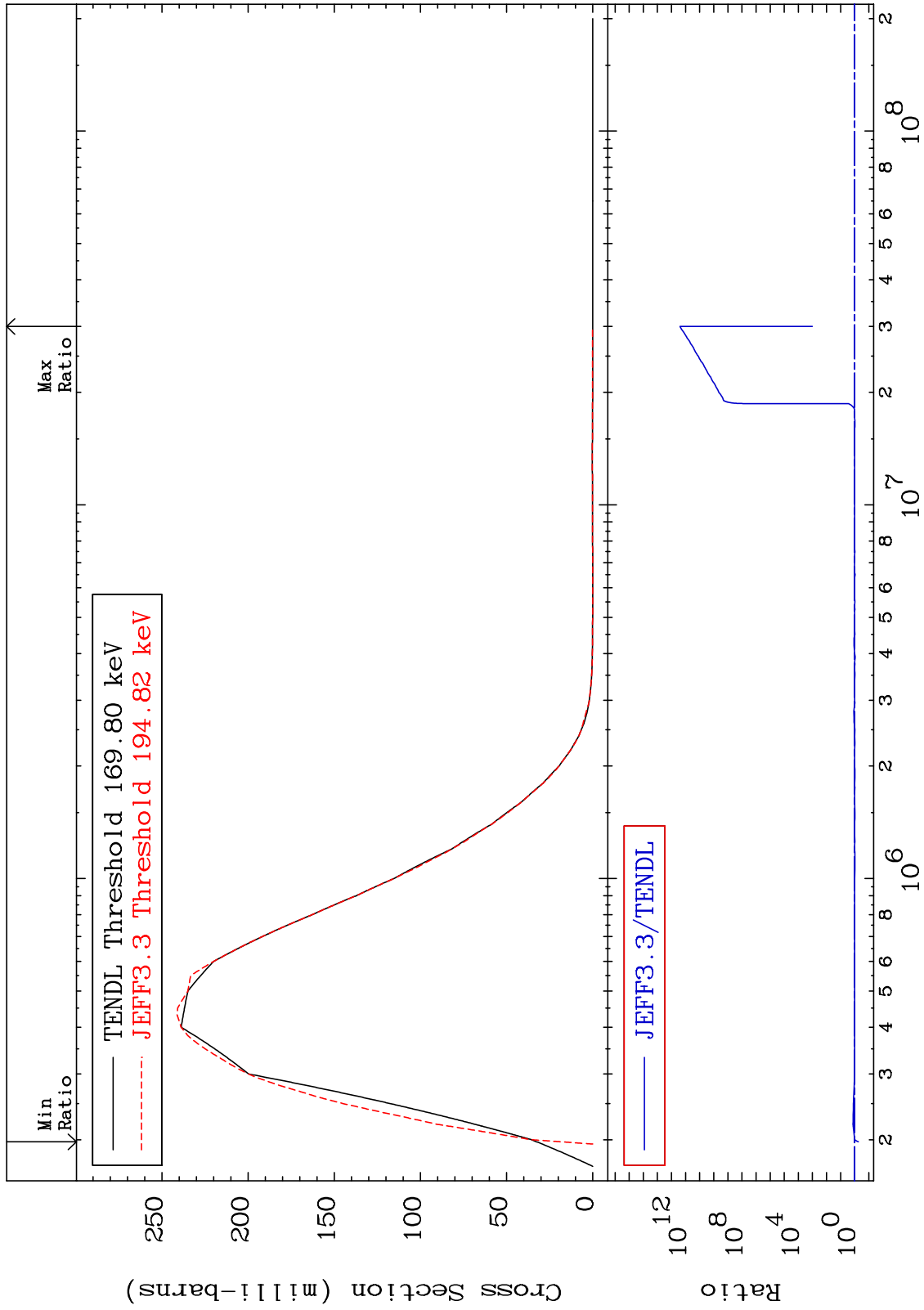
MAT 9240 MT= 54 (n,n') Level 92-U -239
 Cross Section -7.061 To 9999. %



MAT 9240

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

92-U -239
-45.31 To 9999. %

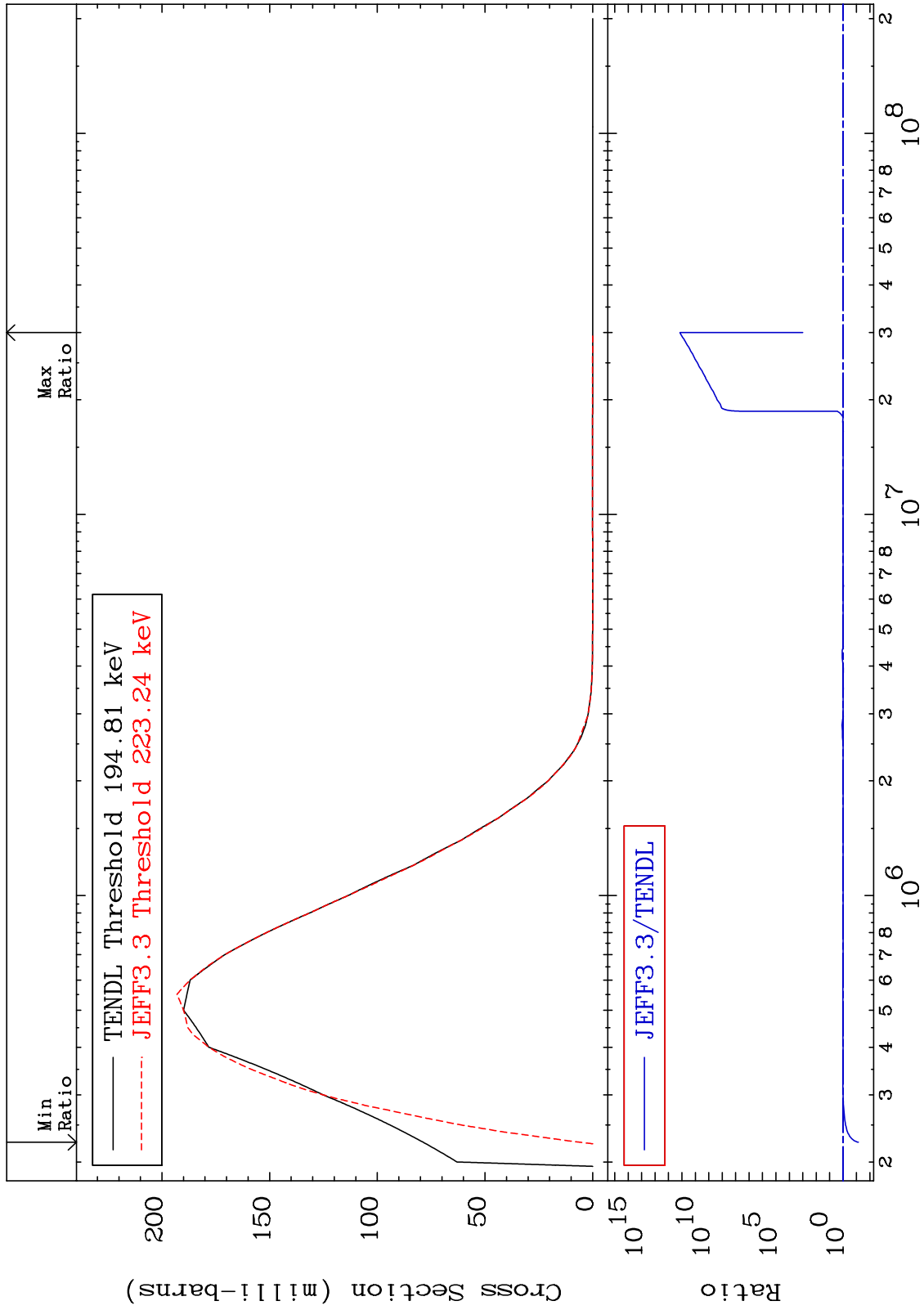


12

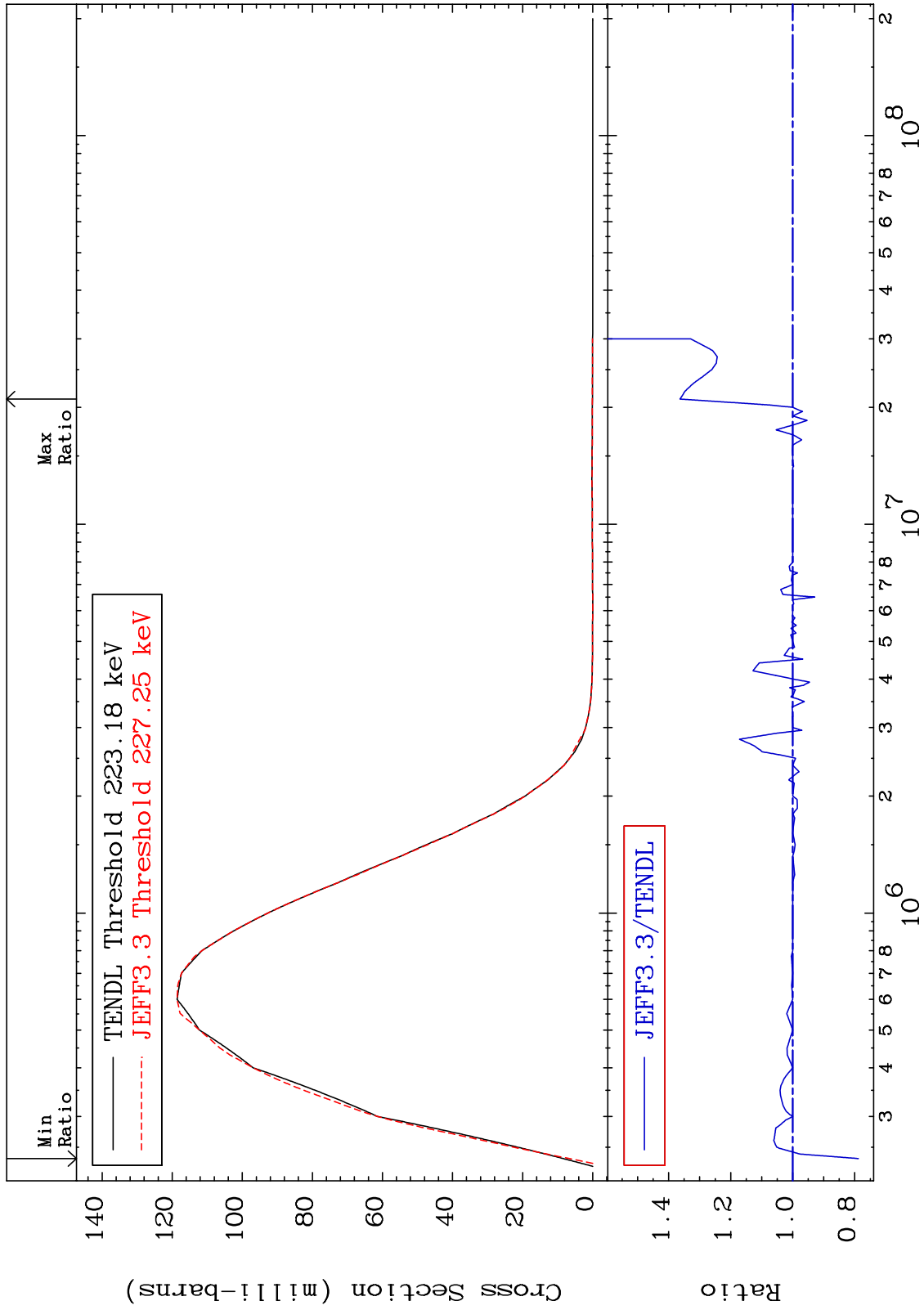
Incident Energy (eV)

92-U -239

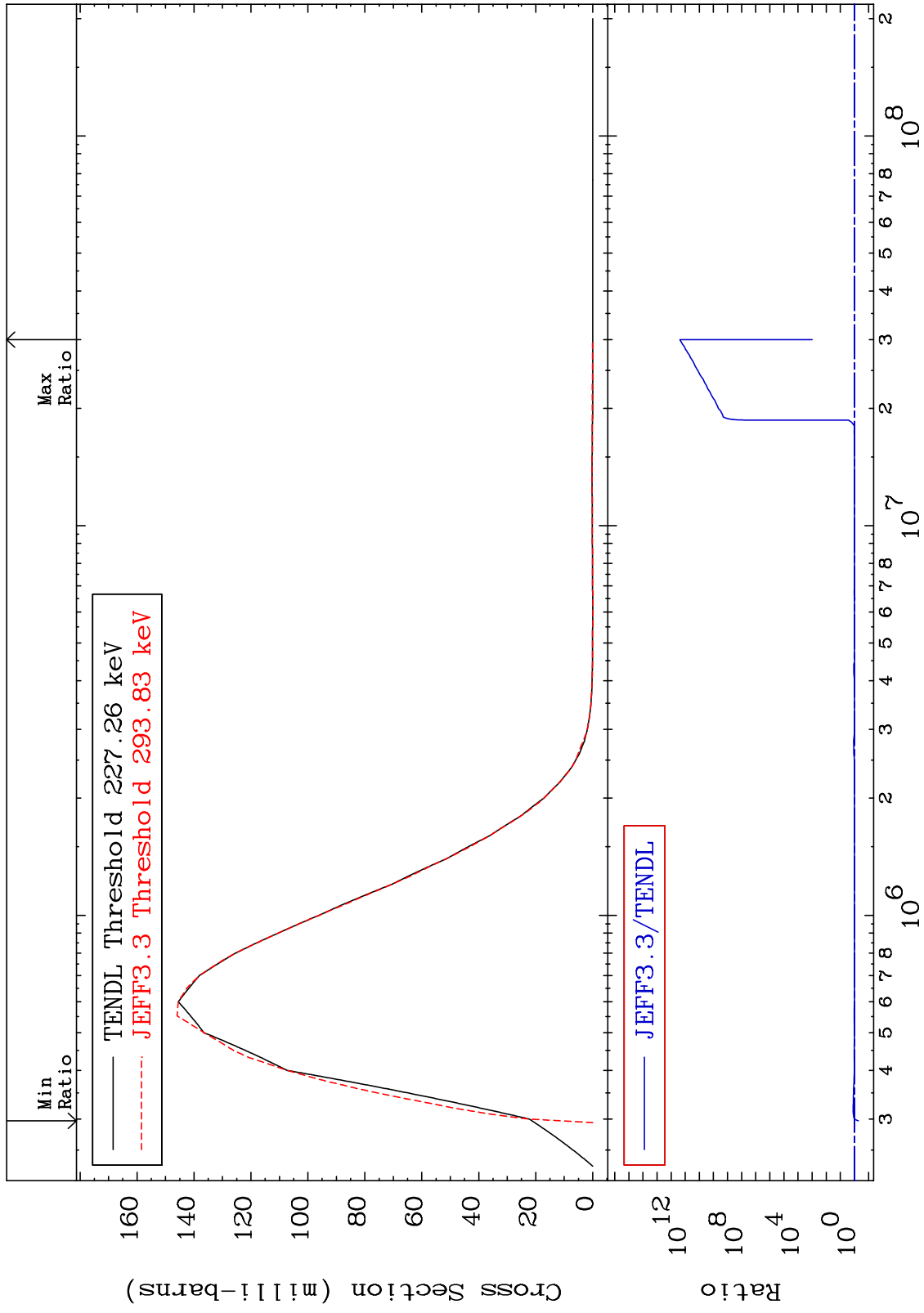
MAT 9240 MT= 56 (n,n') Level 92-U -239
 Cross Section -92.81 To 9999. %



MAT 9240 MT= 57 (n,n') Level 92-U -239
 Cross Section -21.18 To 36.34 %



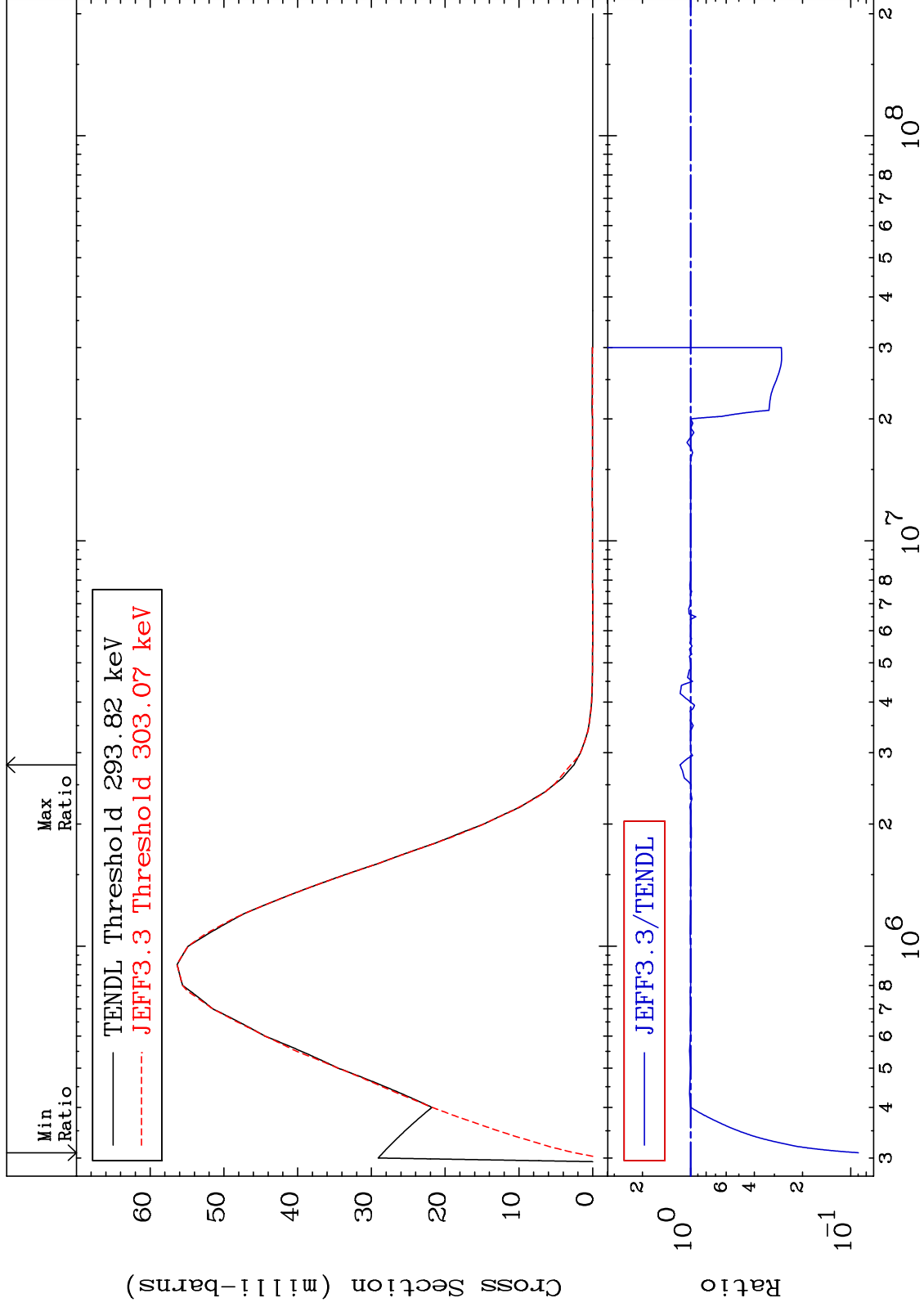
MAT 9240 MT= 58 (n,n') Level 92-U -239
 Cross Section -47.79 To 9999. %



MAT 9240

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

92-U -239
-91.05 To 16.45 %



16

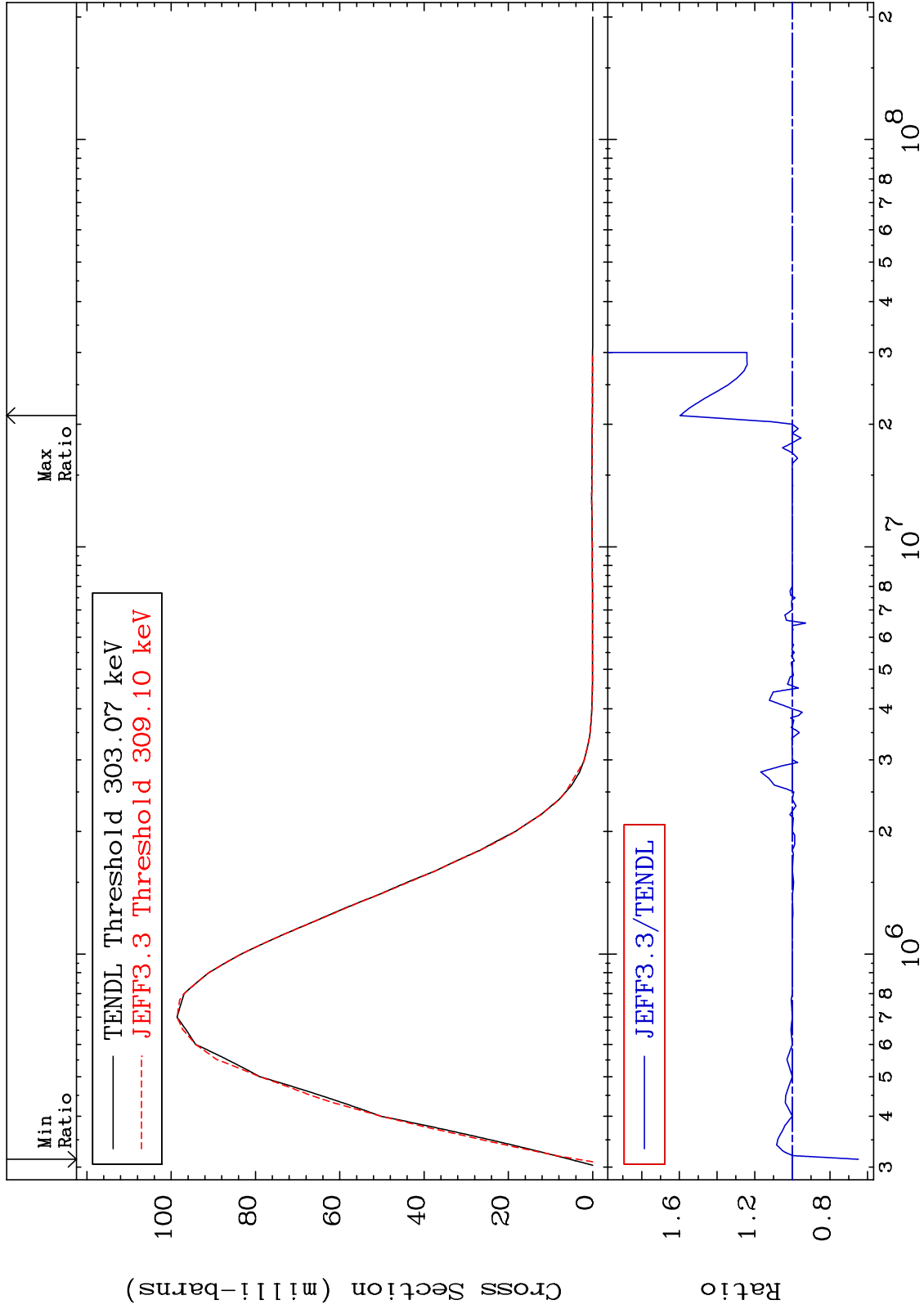
Incident Energy (eV)

92-U -239

MAT 9240

MT= 60 (n,n') Level
Cross Section

92-U -239
-35.11 To 59.65 %



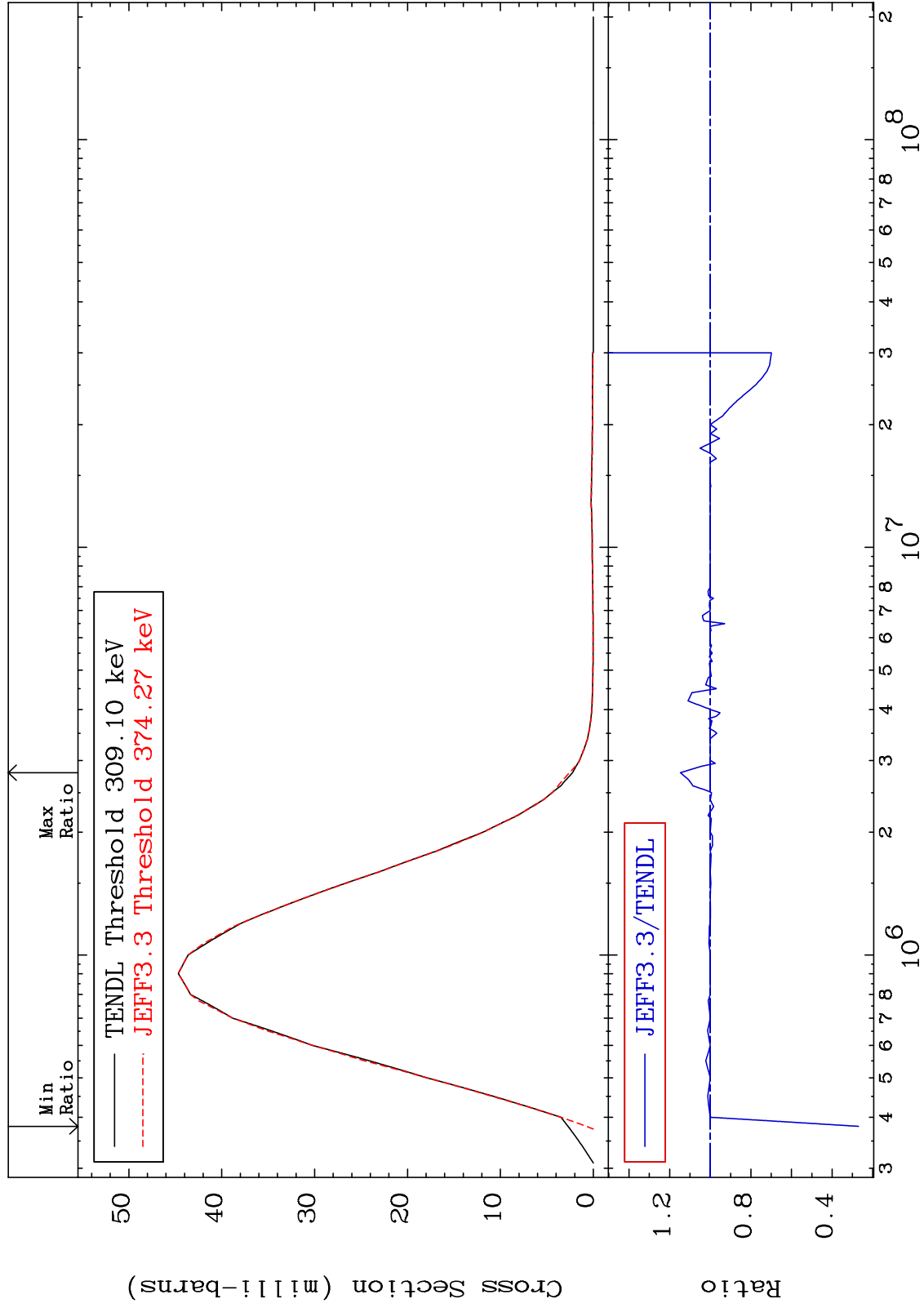
17

92-U -239

MAT 9240

MT= 61 (n,n') Level
Cross Section

92-U -239
-73.01 To 14.69 %

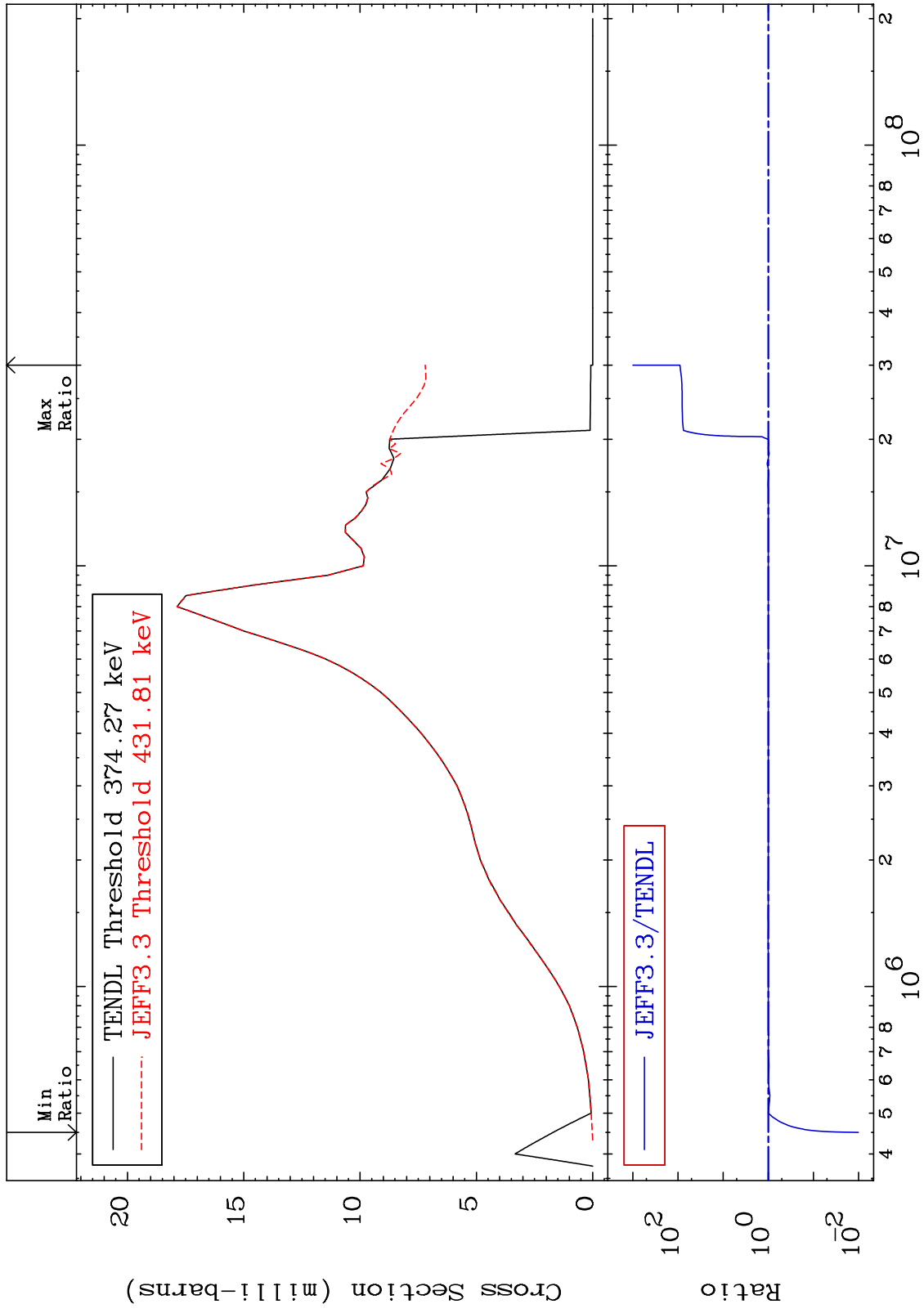


18

Incident Energy (eV)

92-U -239

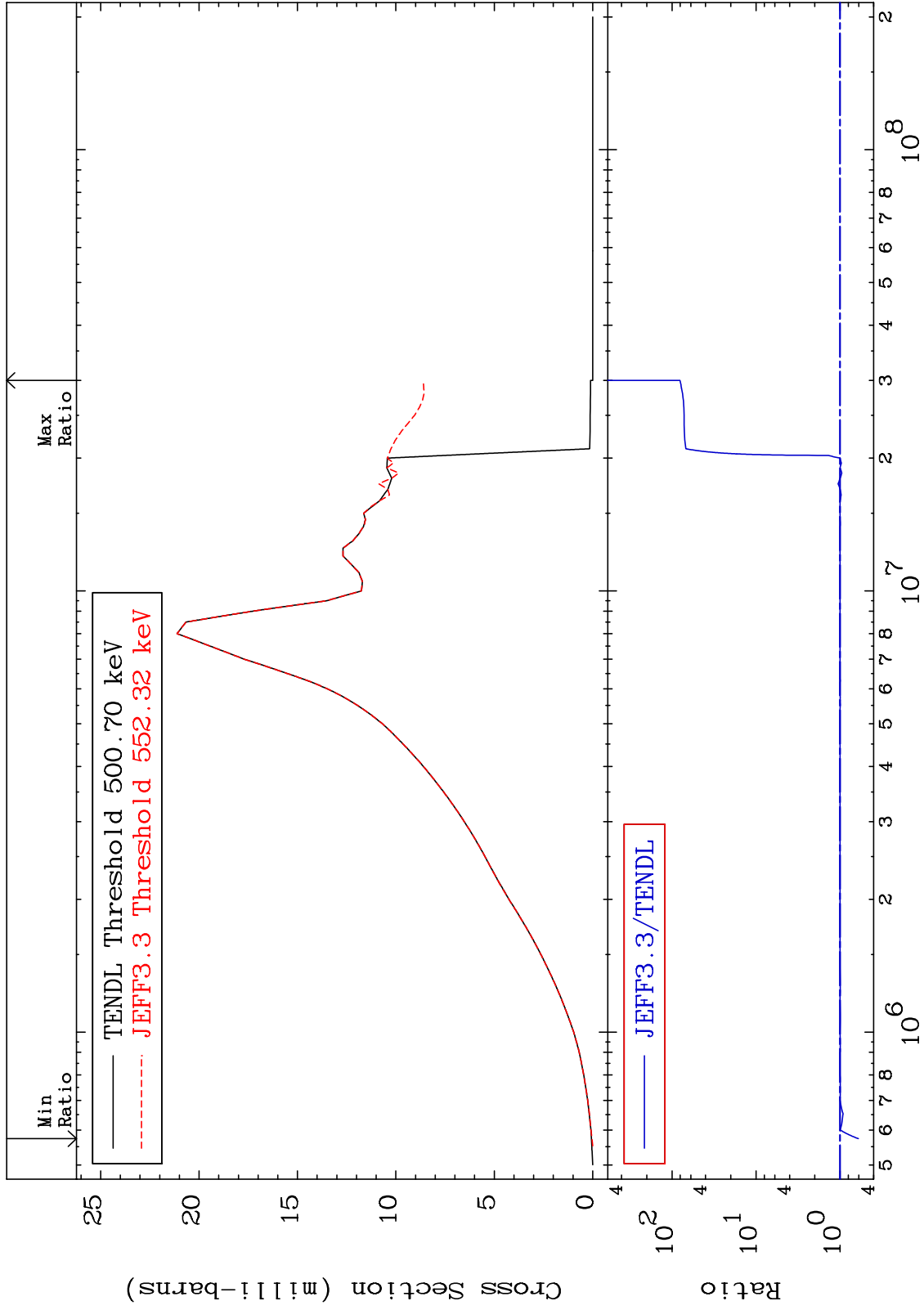
MAT 9240 MT= 62 (n,n') Level Cross Section 92-U -239
 -98.99 To 8877. %



MAT 9240

MT= 63 (n,n') Level
Cross Section

92-U -239
-39.41 To 7955. %

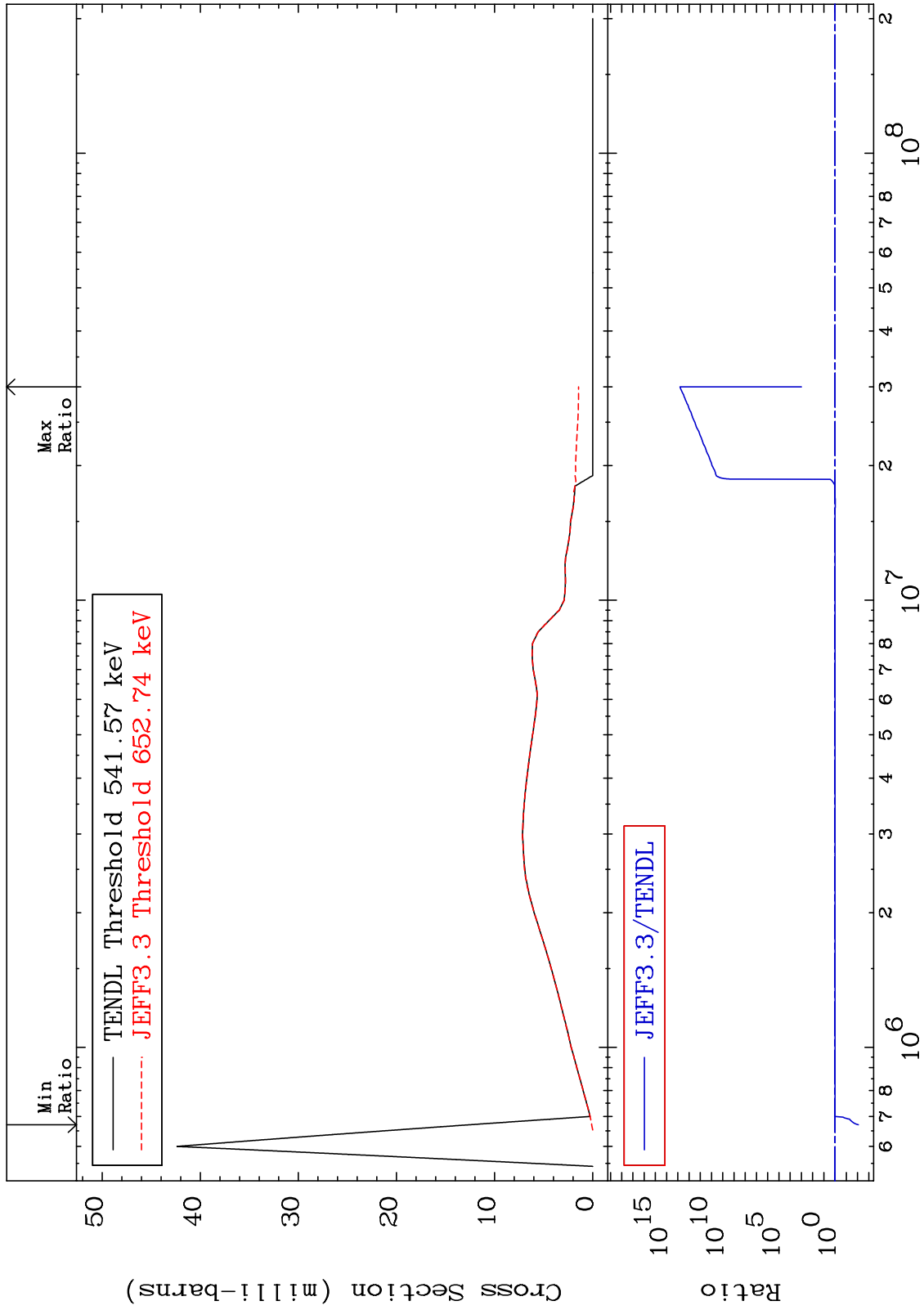


20

Incident Energy (eV)

92-U -239

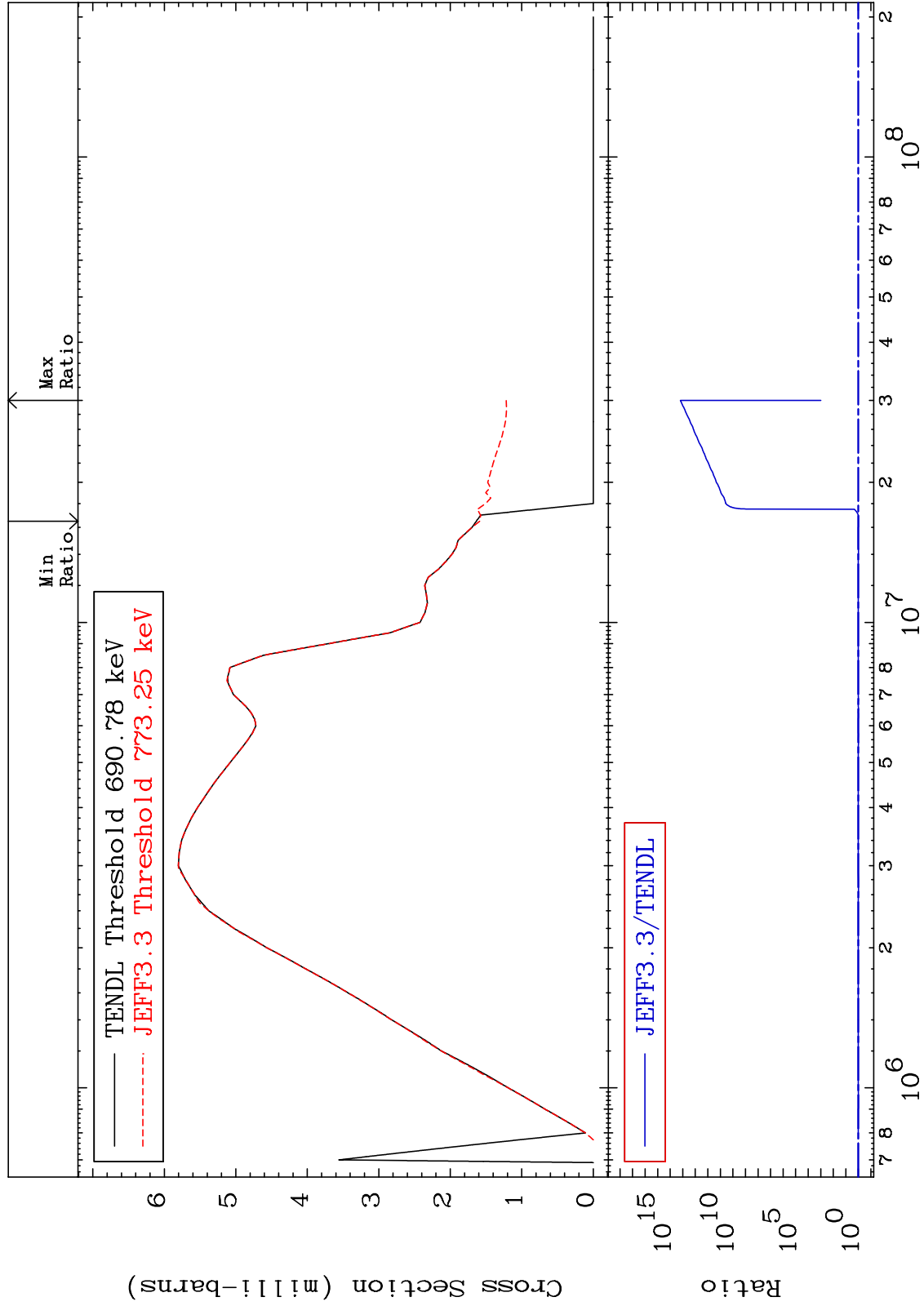
MAT 9240 MT= 64 (n,n') Level 92-U -239
 Cross Section -99.16 To 9999. %



MAT 9240

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

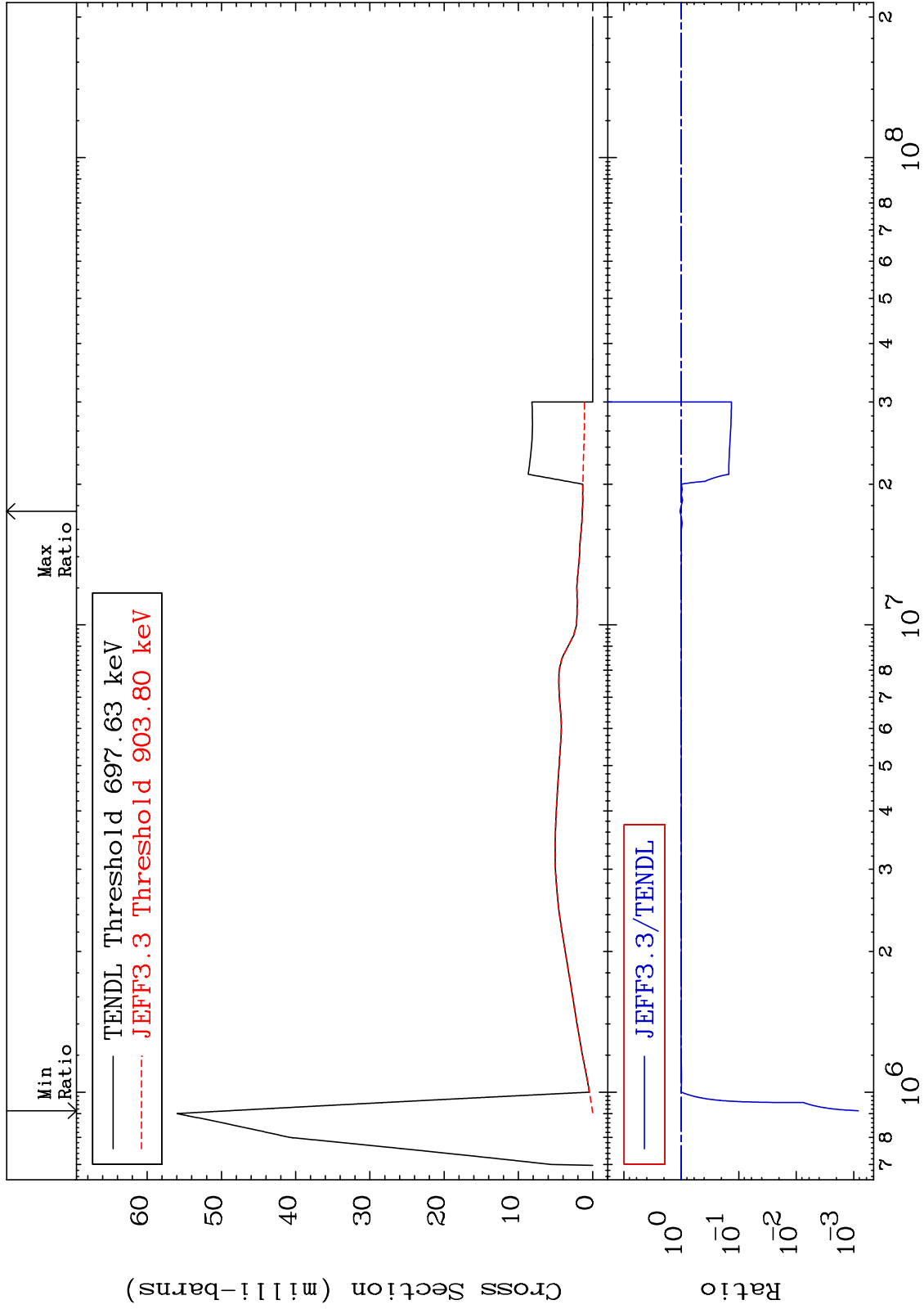
92-U -239
-2.834 To 9999. %



MAT 9240

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

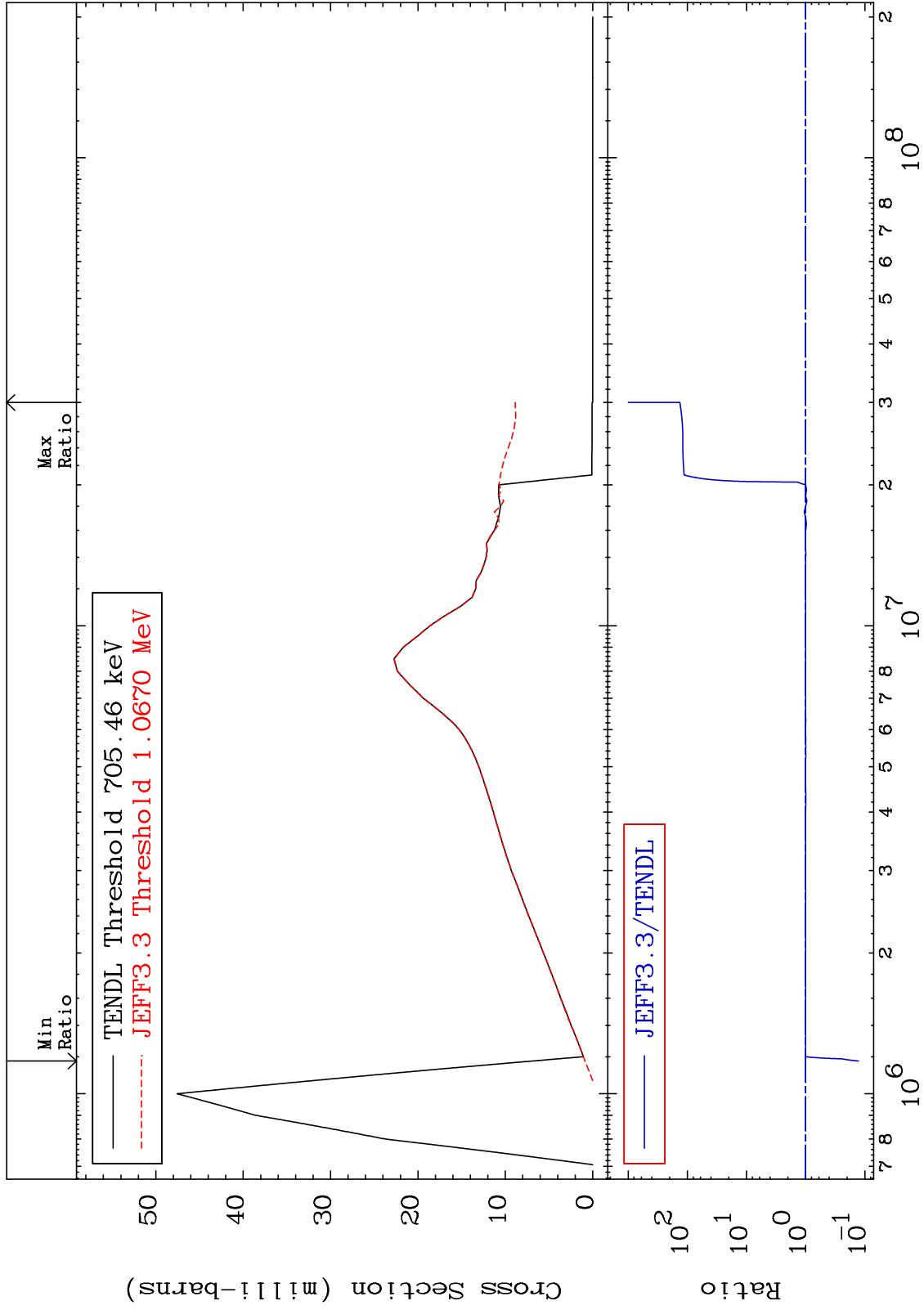
92-U -239
-99.92 To 5.413 %



MAT 9240

MT= 67 (n,n') Level
Cross Section

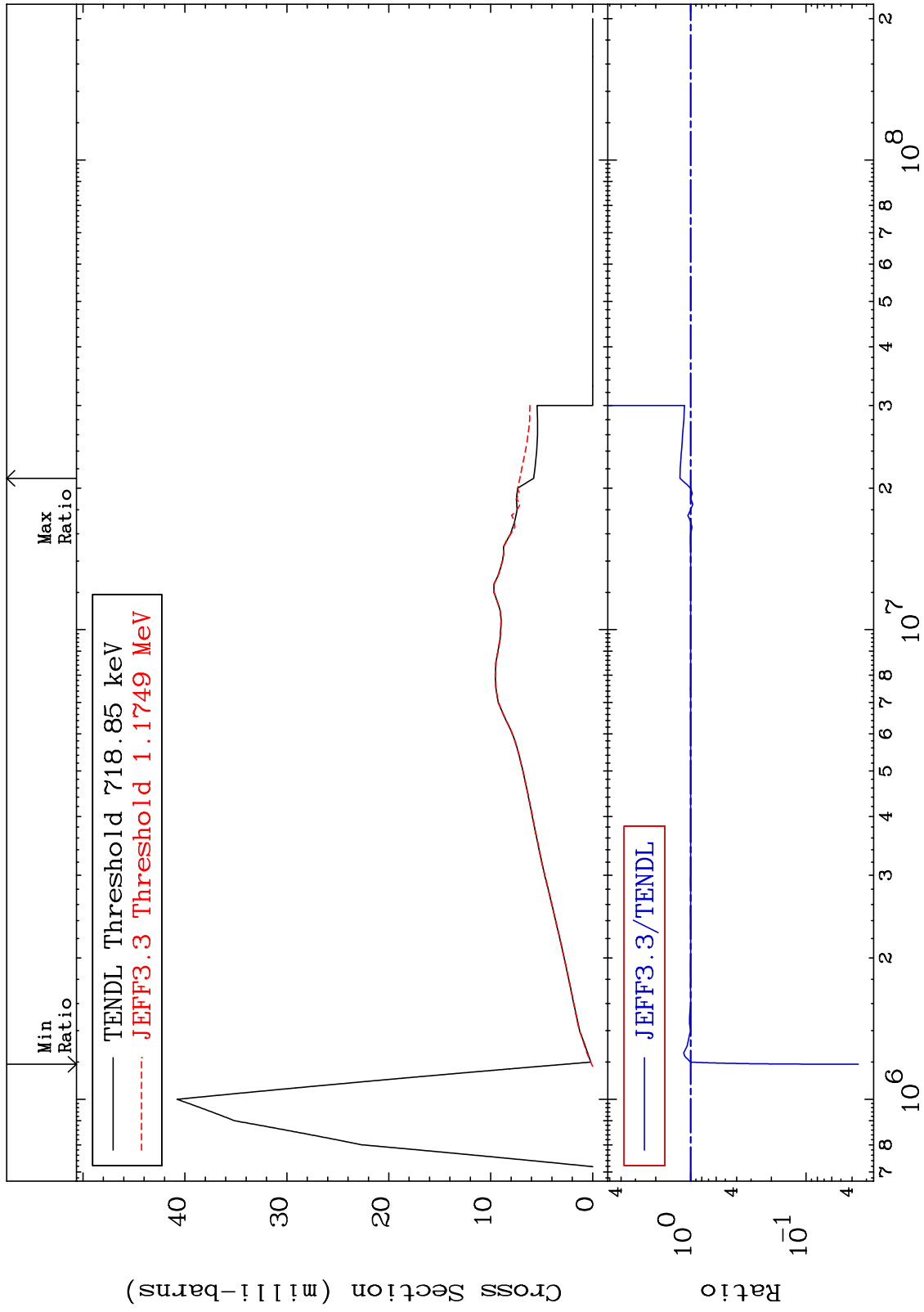
92-U -239
-87.17 To 9999. %



MAT 9240

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

92-U -239
-96.47 To 23.41 %



25

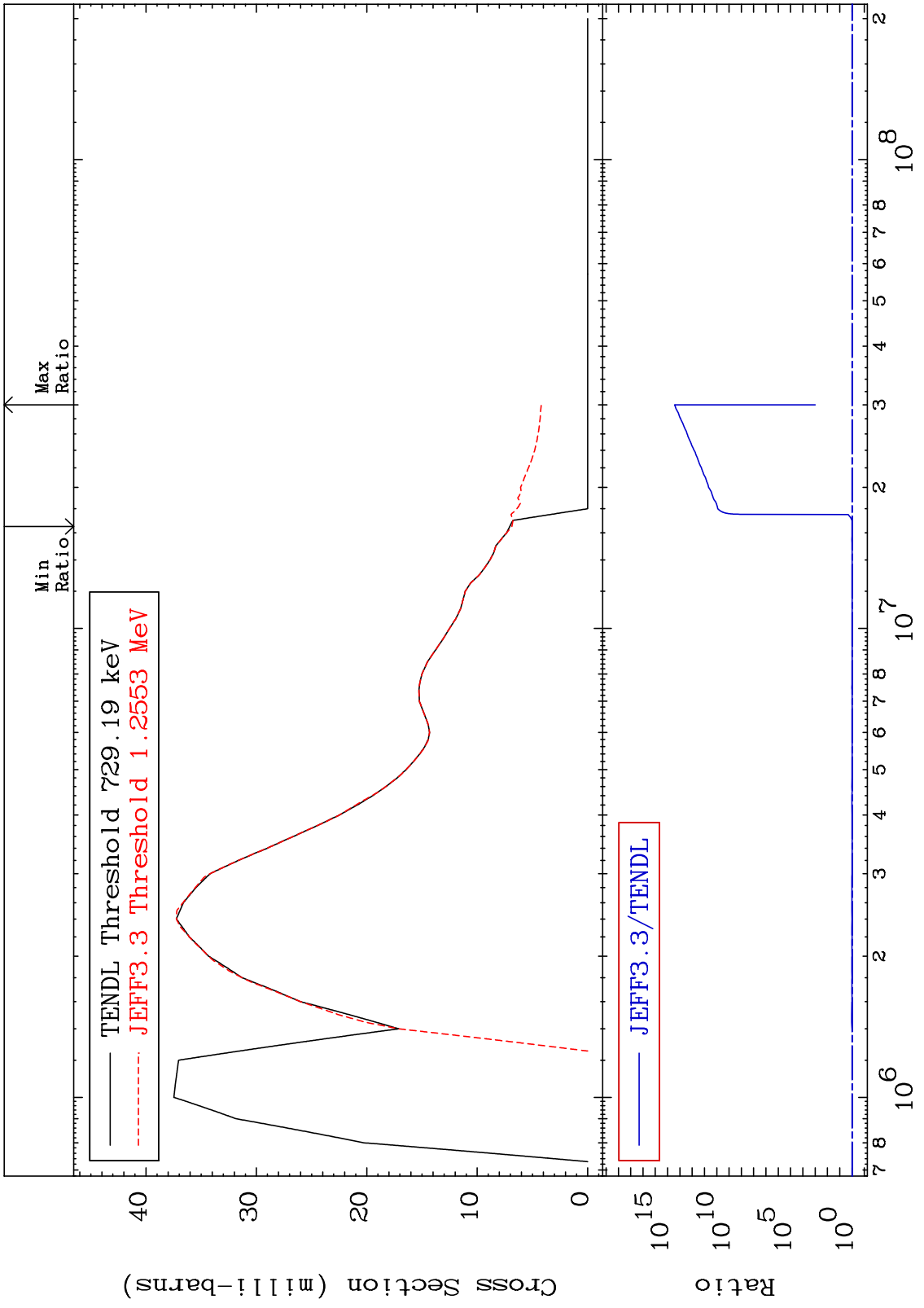
Incident Energy (eV)

92-U -239

MAT 9240

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

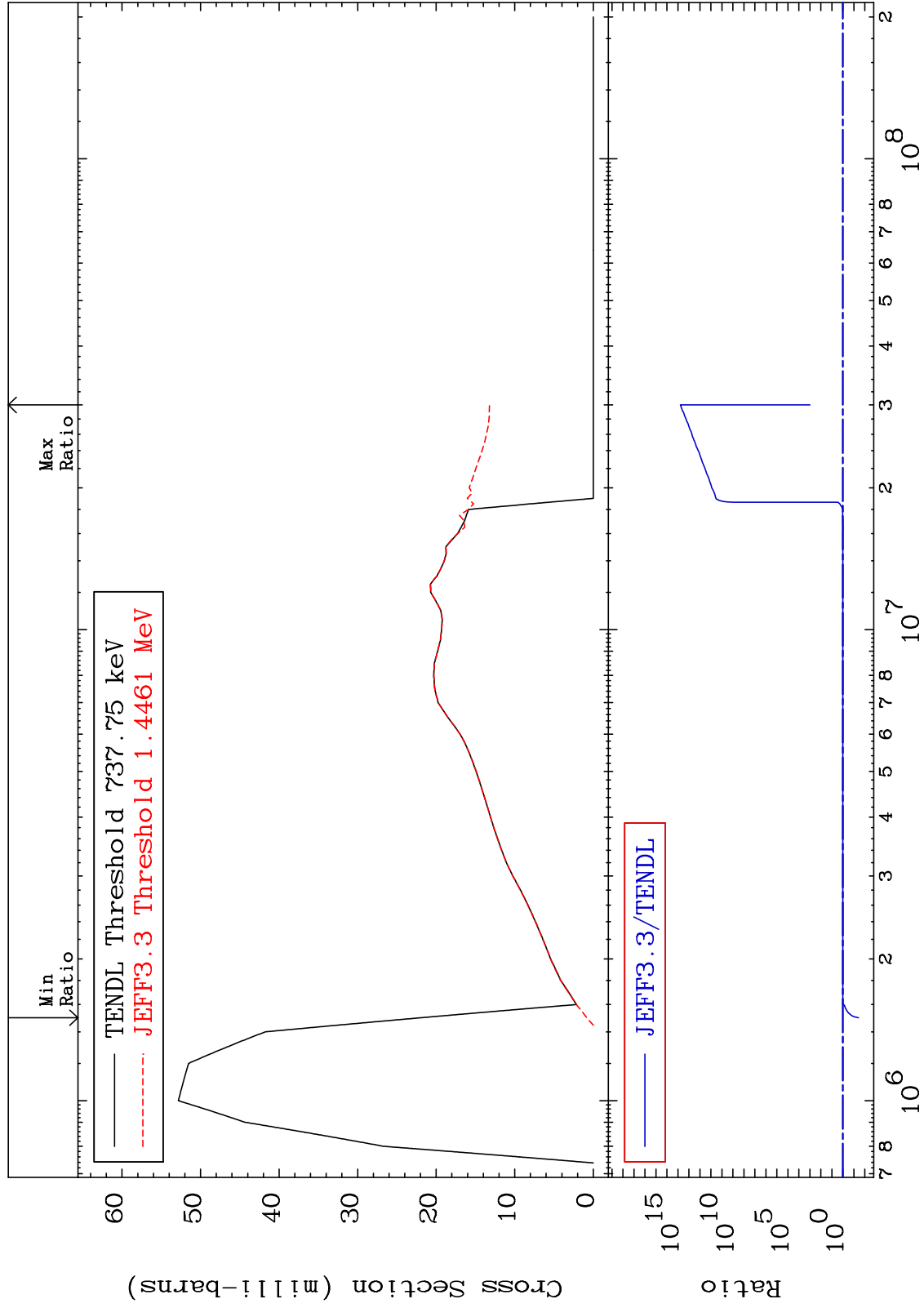
92-U -239
-2.797 To 9999. %



MAT 9240

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

92-U -239
-96.26 To 9999. %



27

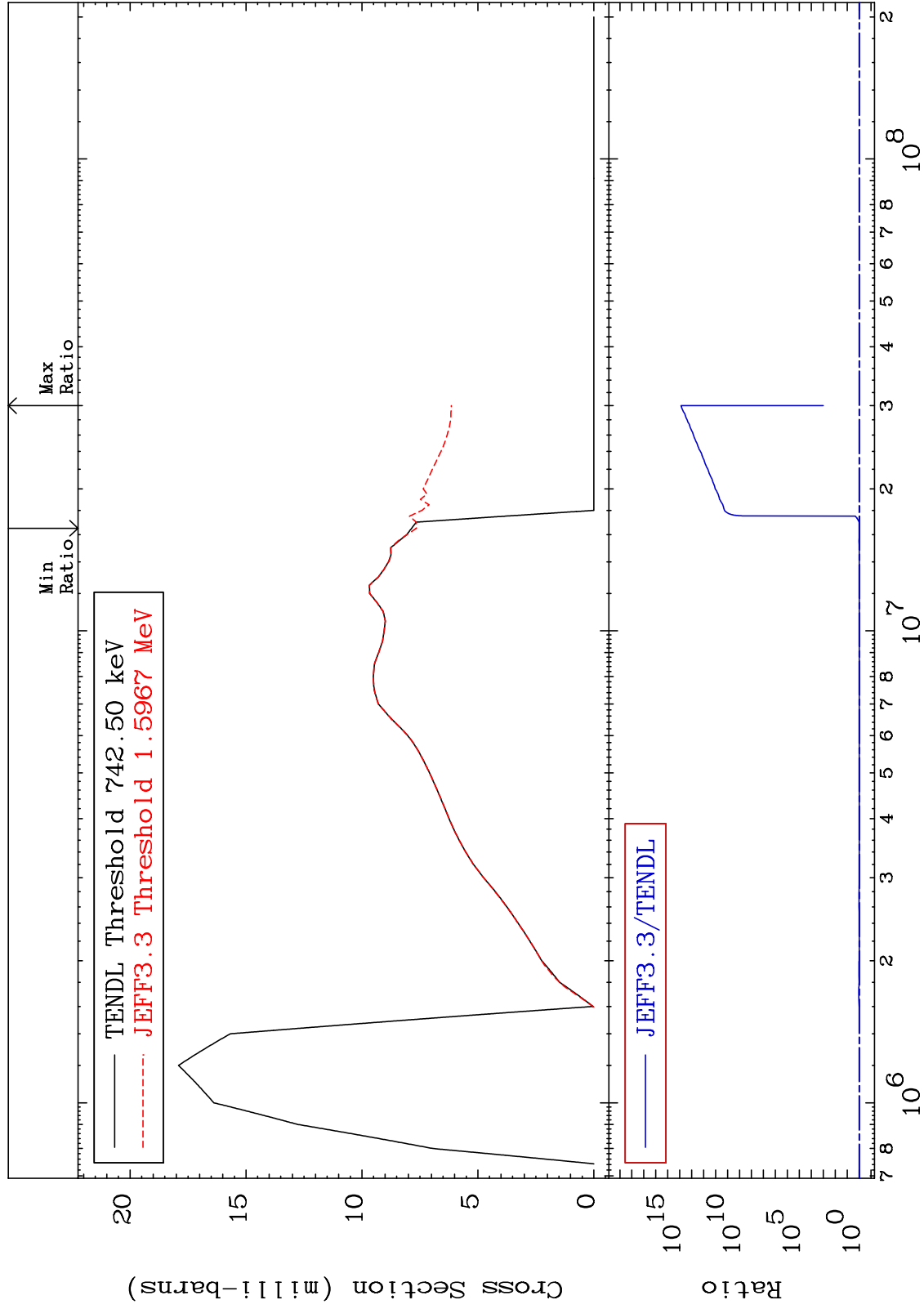
Incident Energy (eV)

92-U -239

MAT 9240

MT= 71 (n,n') Level
Cross Section

92-U -239
-2.713 To 9999. %



28

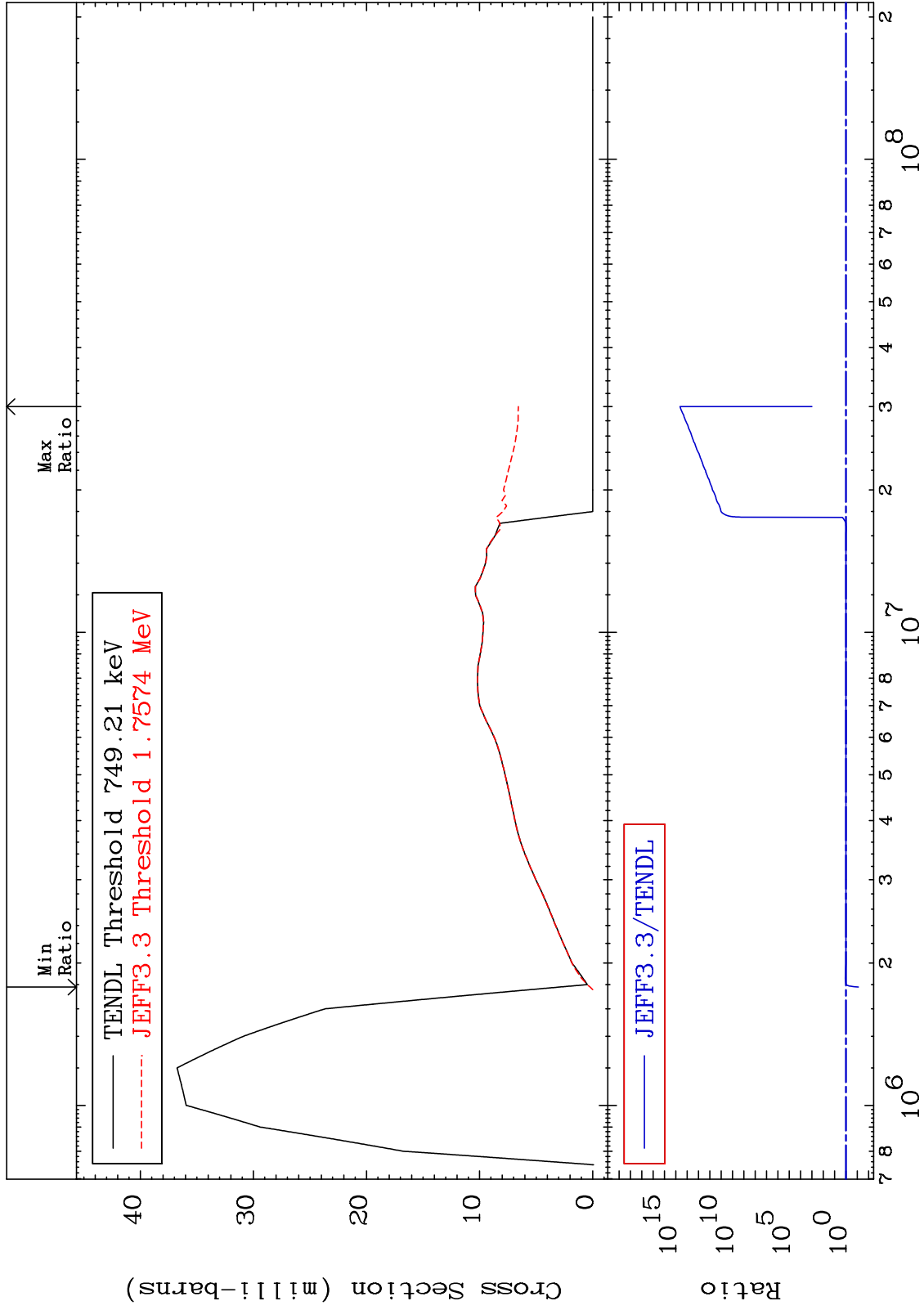
Incident Energy (eV)

92-U -239

MAT 9240

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

92-U -239
-91.96 To 9999. %



29

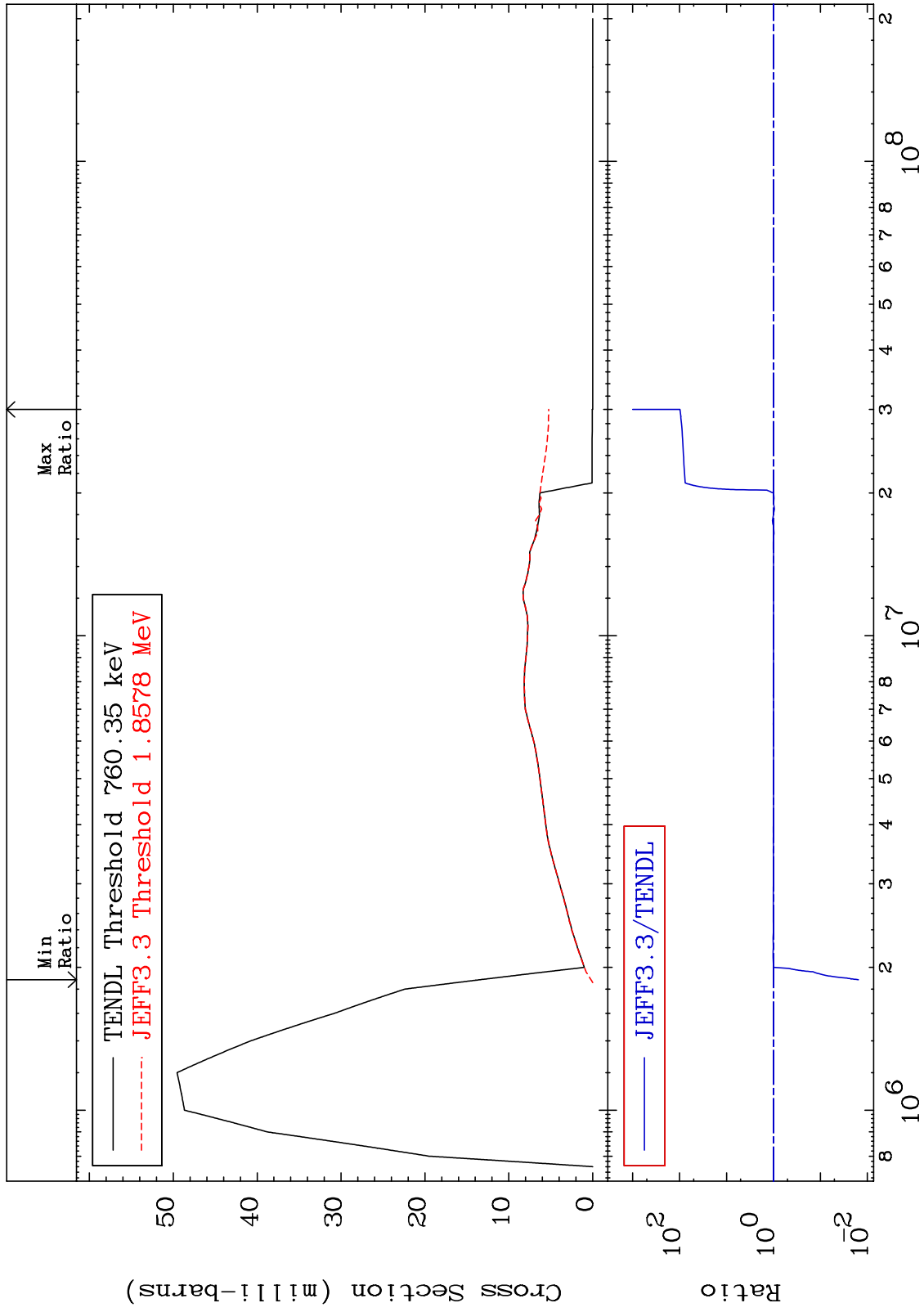
Incident Energy (eV)

92-U -239

MAT 9240

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

92-U -239
-98.46 To 9704. %



30

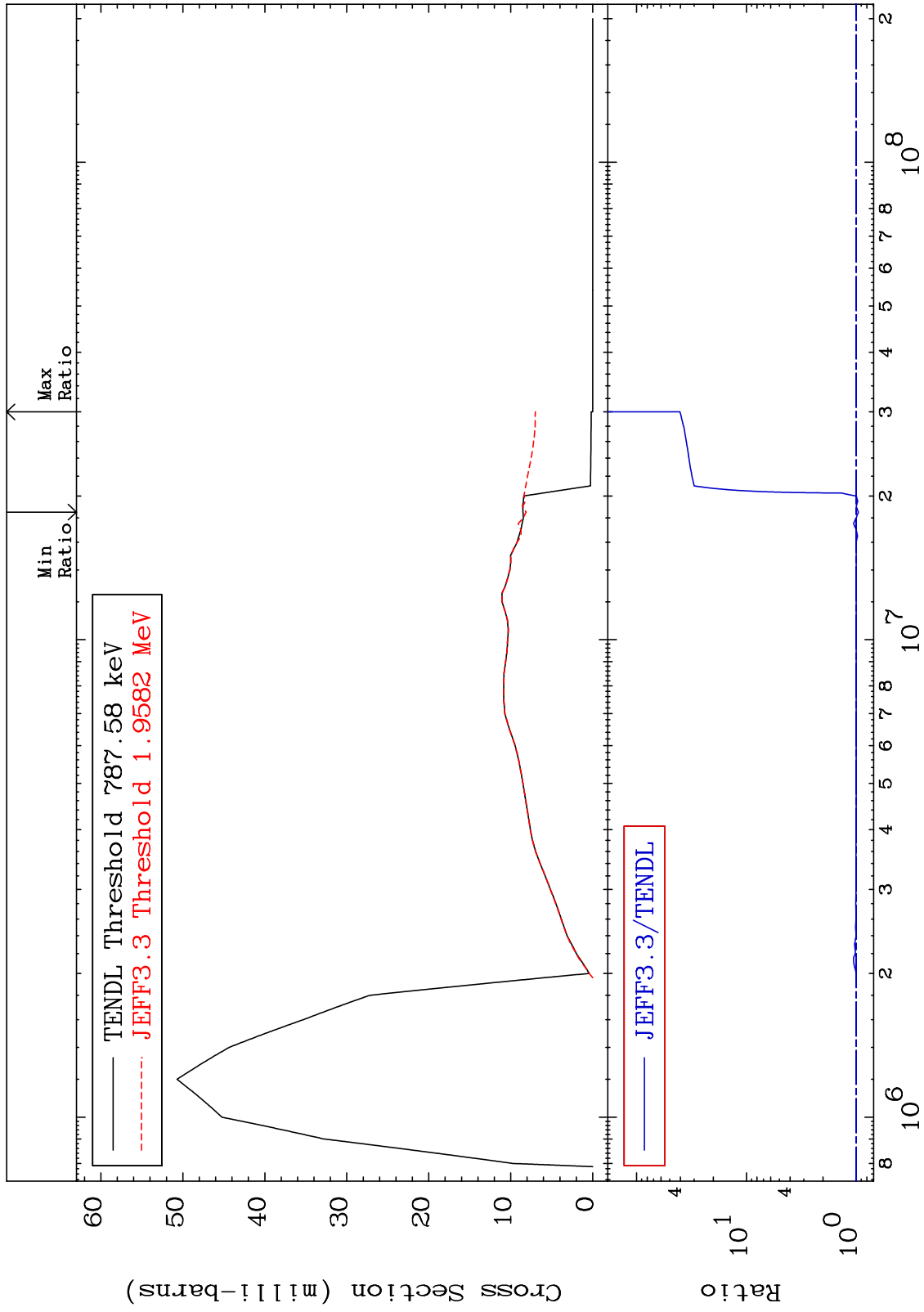
Incident Energy (eV)

92-U -239

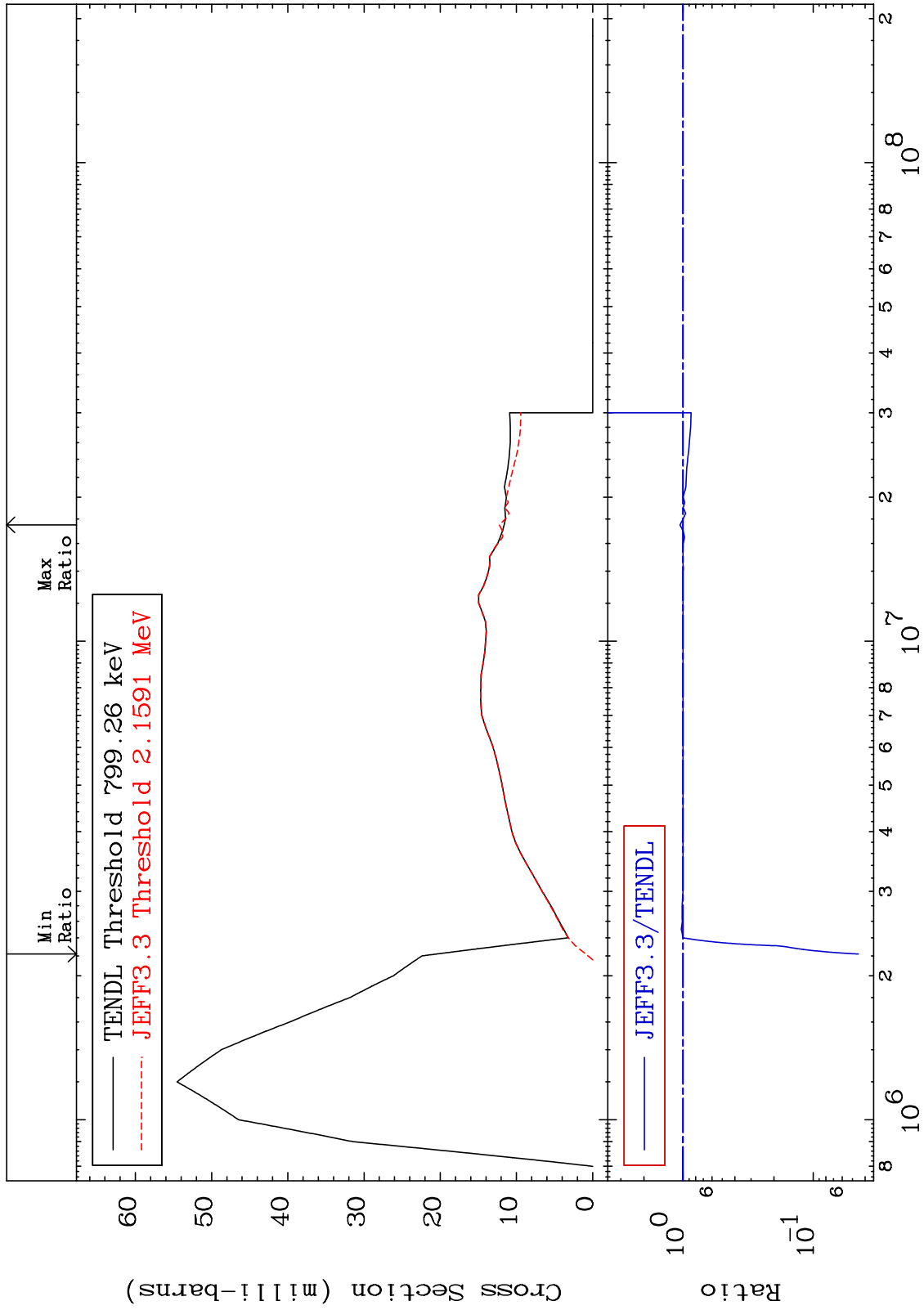
MAT 9240

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

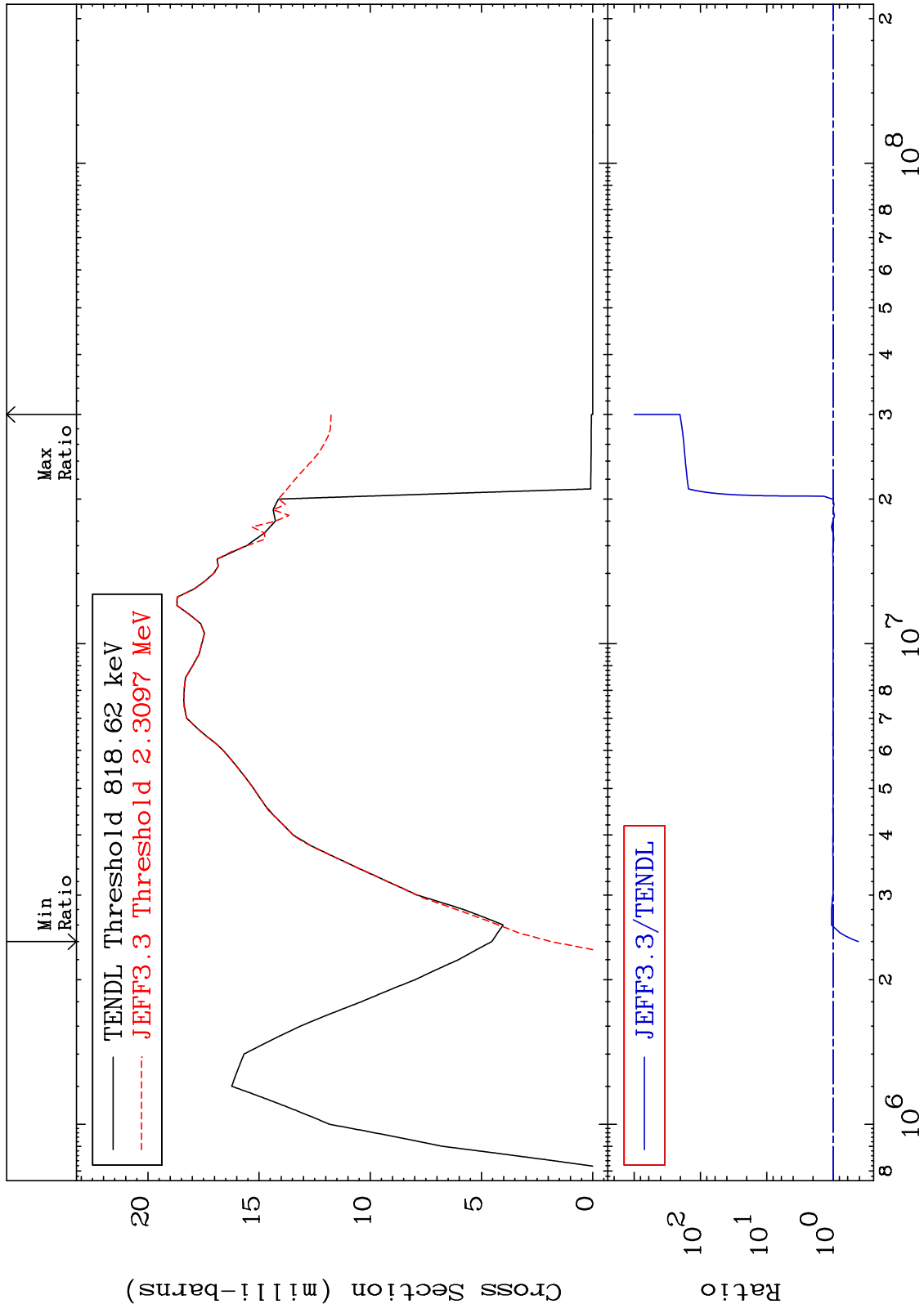
92-U -239
-4.588 To 3924. %



MAT 9240 MT= 75 (n, n') Level Cross Section 92-U -239
 -95.50 To 5.530 %



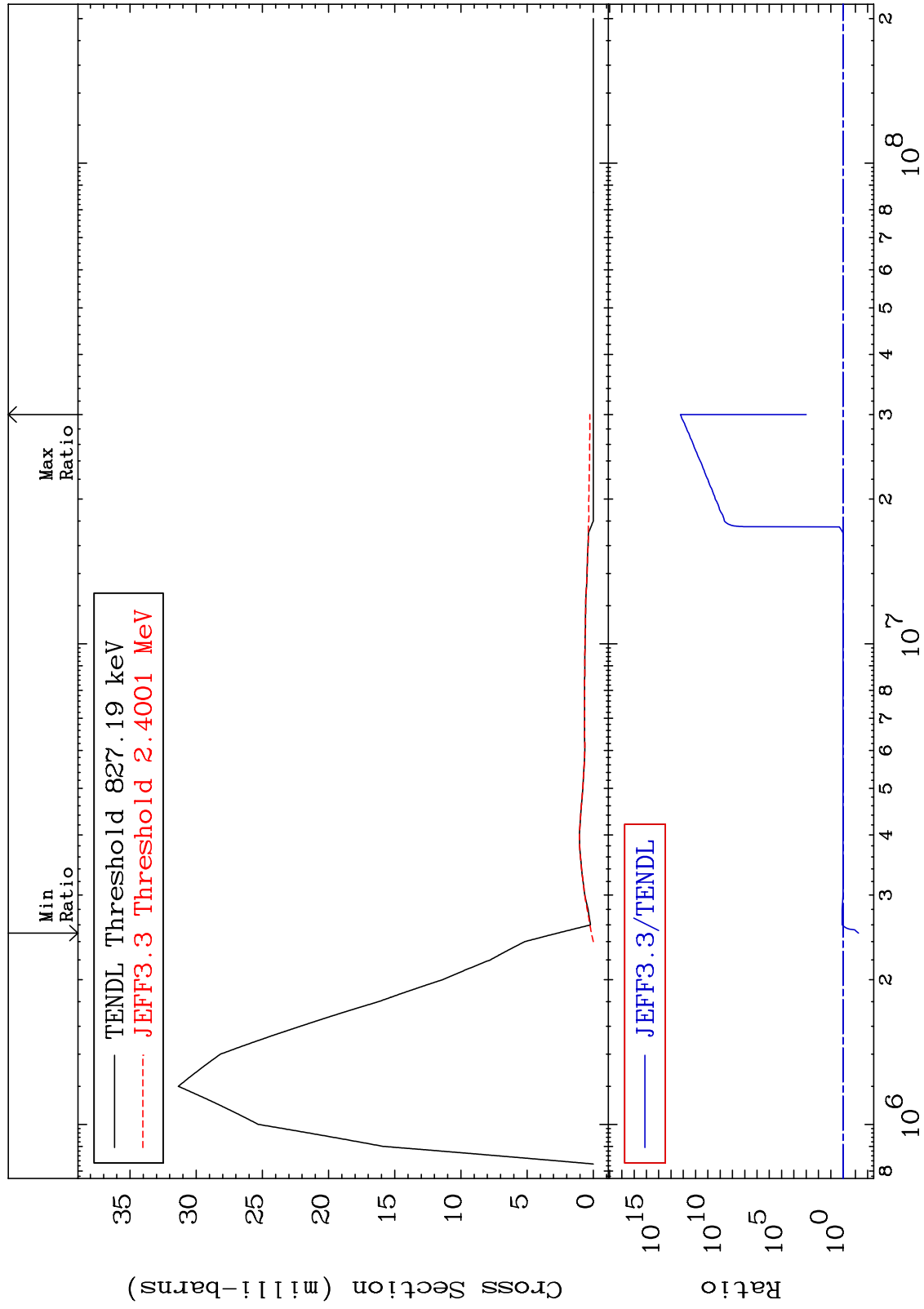
MAT 9240 MT= 76 (n,n') Level Cross Section 92-U -239
 -58.63 To 9999. %



MAT 9240

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

92-U -239
-94.48 To 9999. %

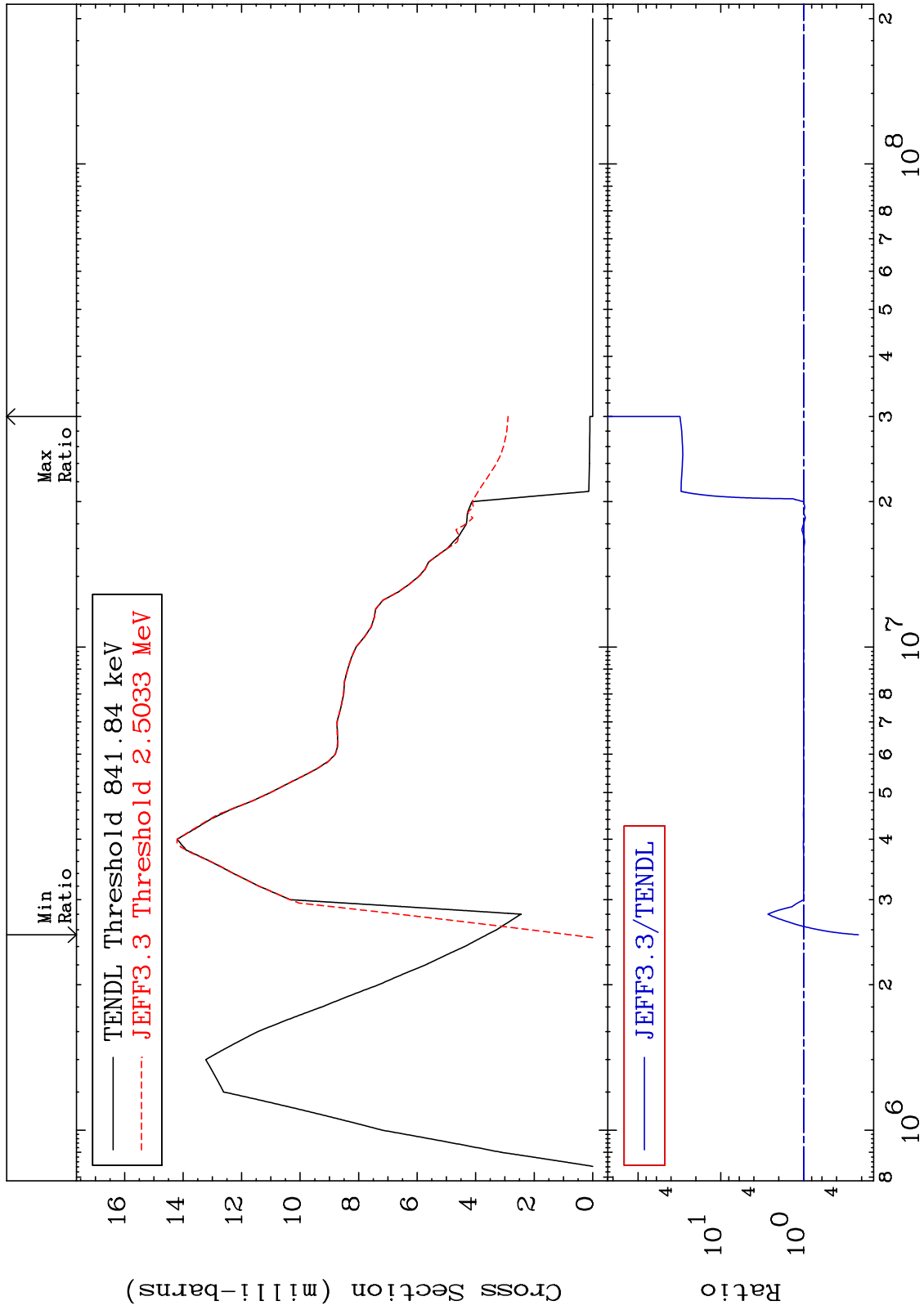


34

Incident Energy (eV)

92-U -239

MAT 9240 MT= 78 (n,n') Level Cross Section 92-U -239
 -78.17 To 3011. %

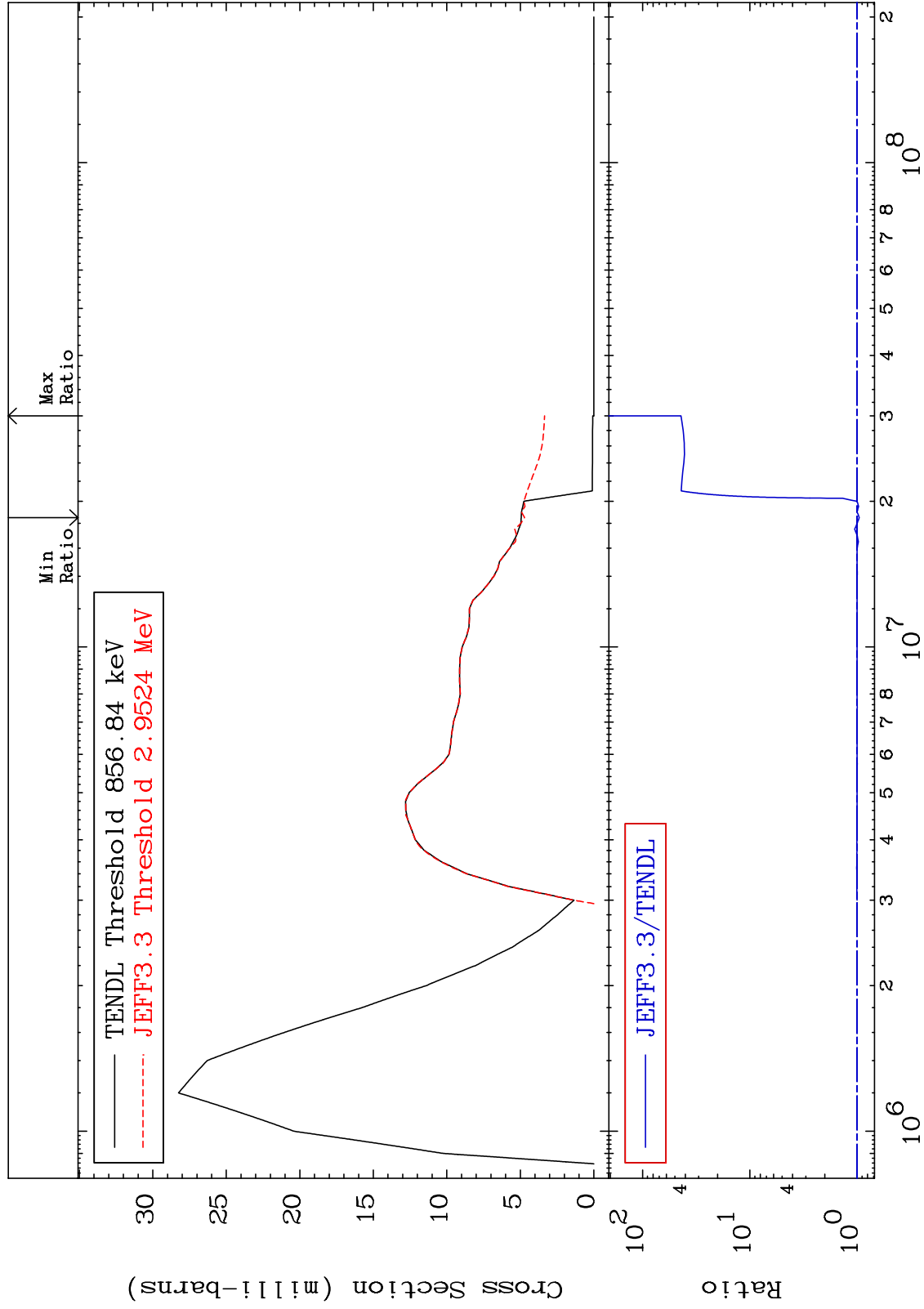


35 Incident Energy (eV) 92-U -239

MAT 9240

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

92-U -239
-4.558 To 4280. %



36

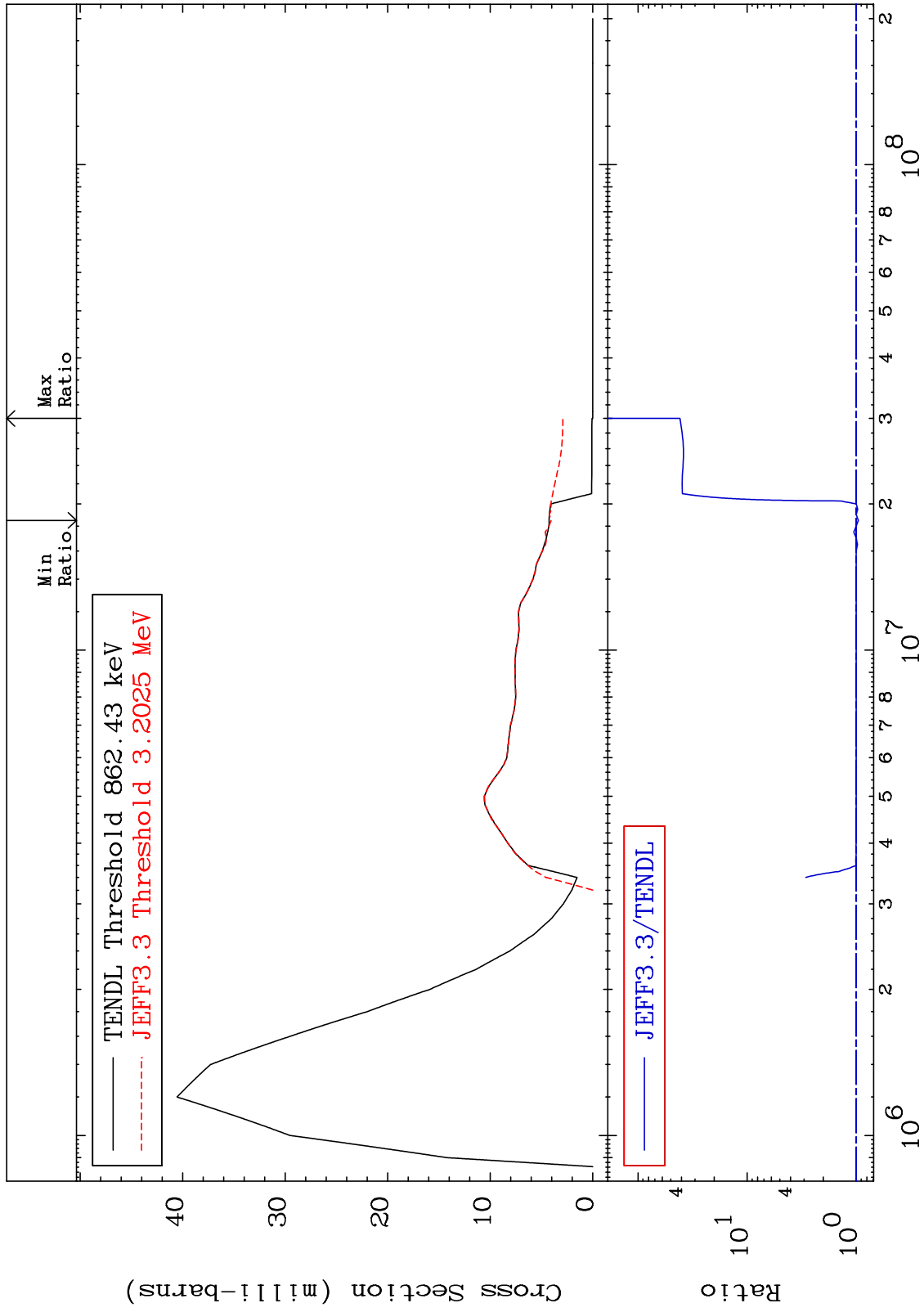
Incident Energy (eV)

92-U -239

MAT 9240

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

92-U -239
-4.566 To 4019. %



37

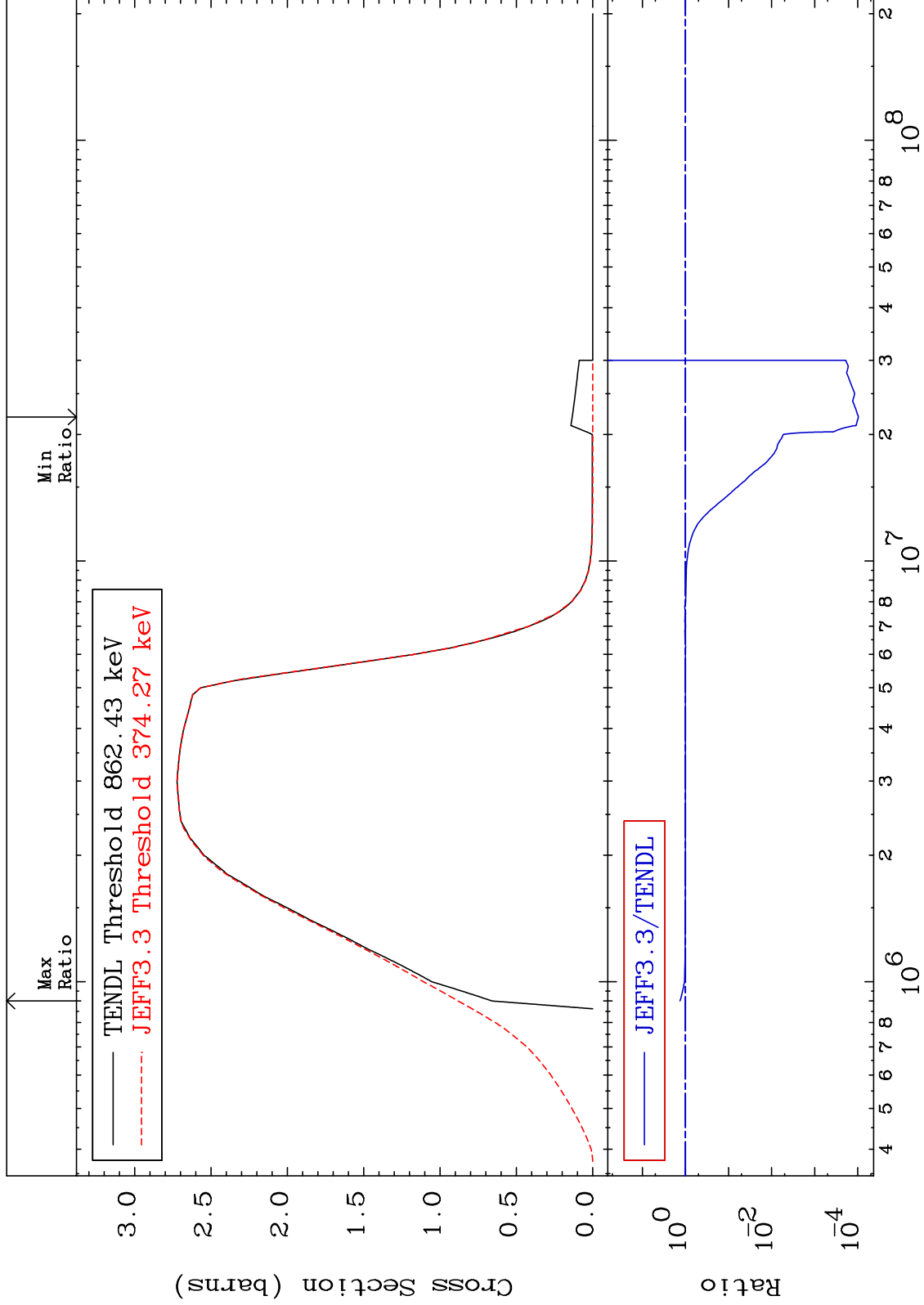
Incident Energy (eV)

92-U -239

MAT 9240

(n,n') Continuum
Cross Section

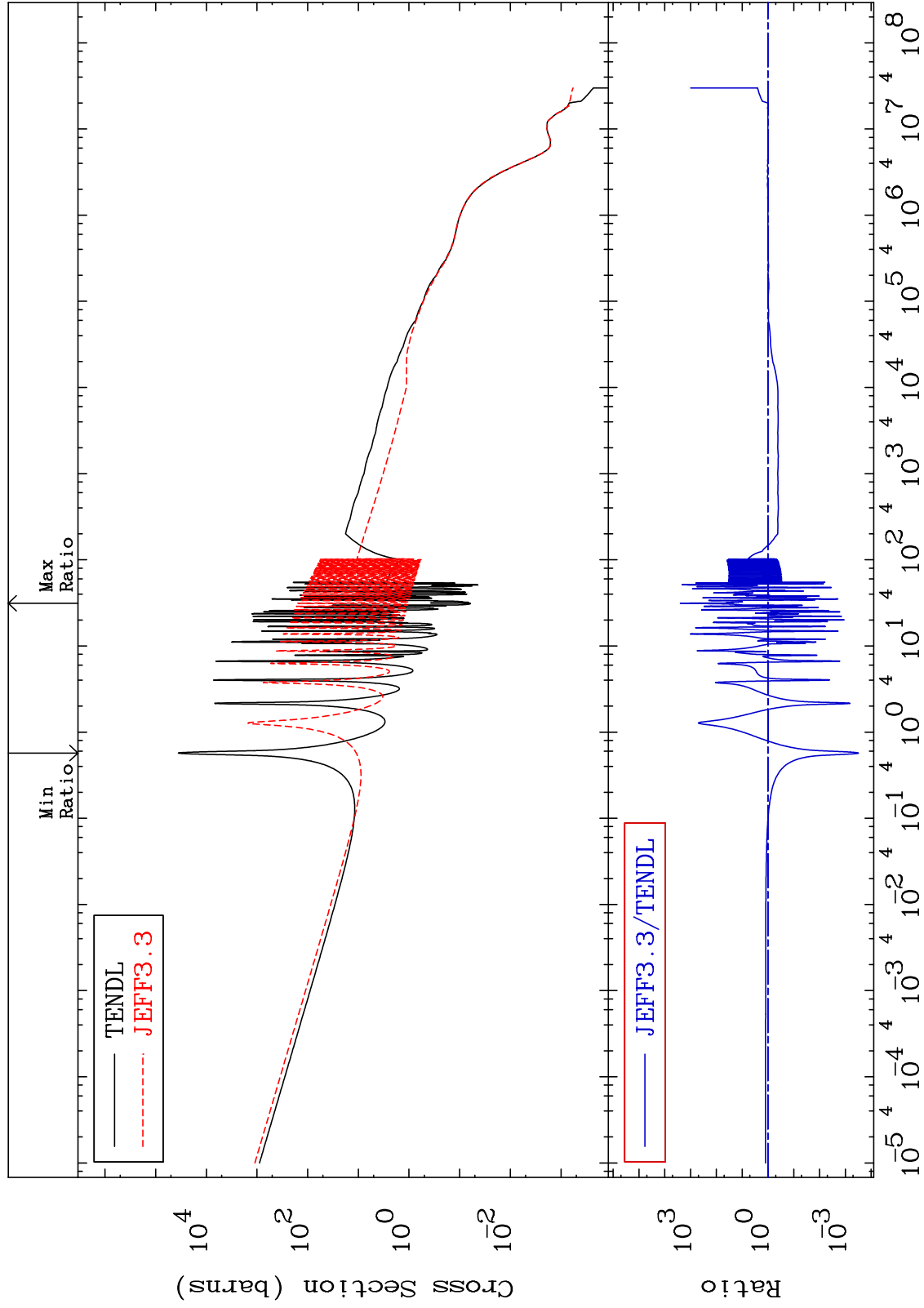
92-U -239
-99.99 To 33.82 %



MAT 9240

(n, γ)
Cross Section

92-U -239
-99.97 To 9999. %



39

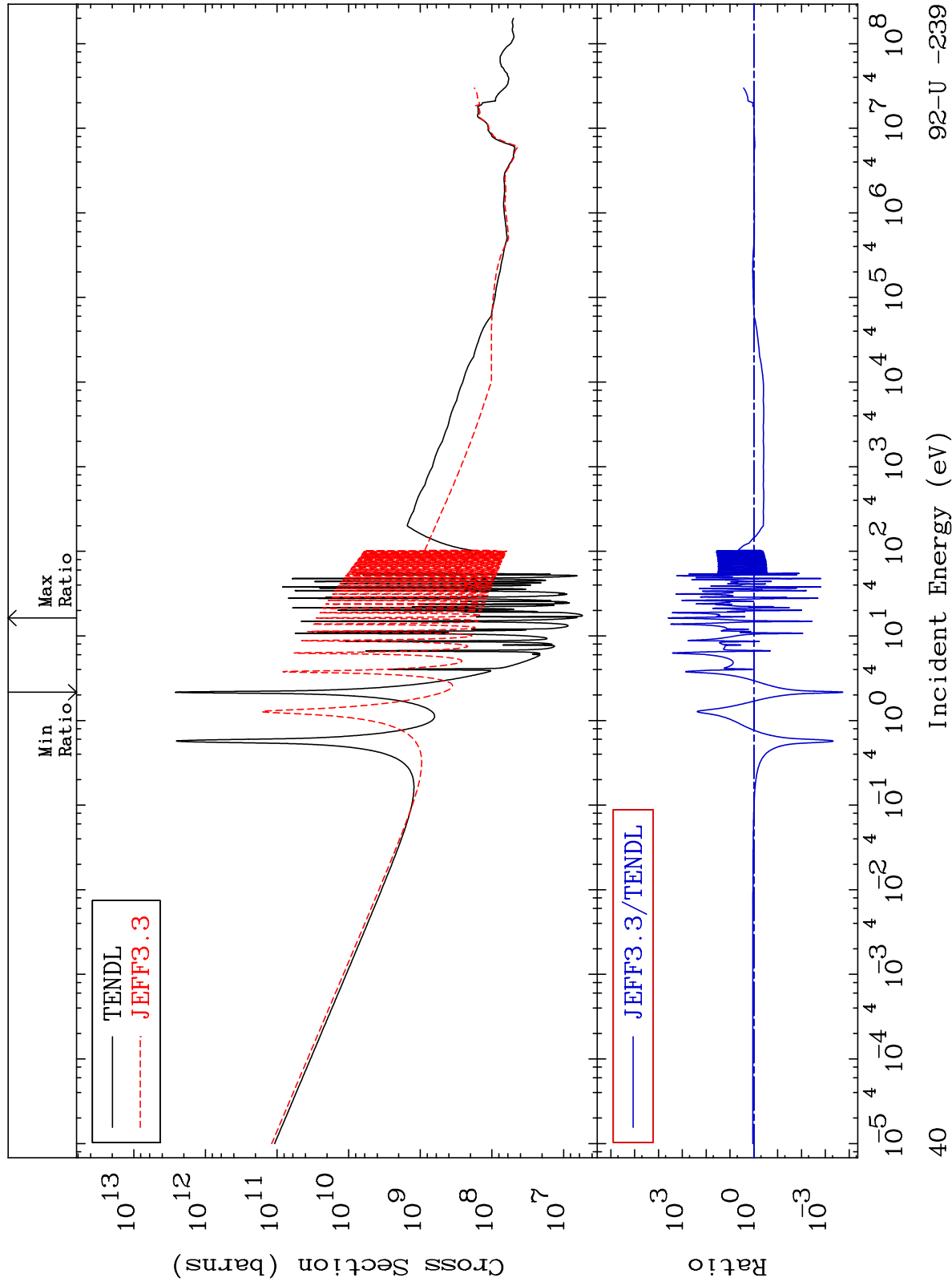
Incident Energy (eV)

92-U -239

MAT 9240

Kerma total (eV-barns)
Cross Section

92-U -239
-99.98 To 9999. %



40

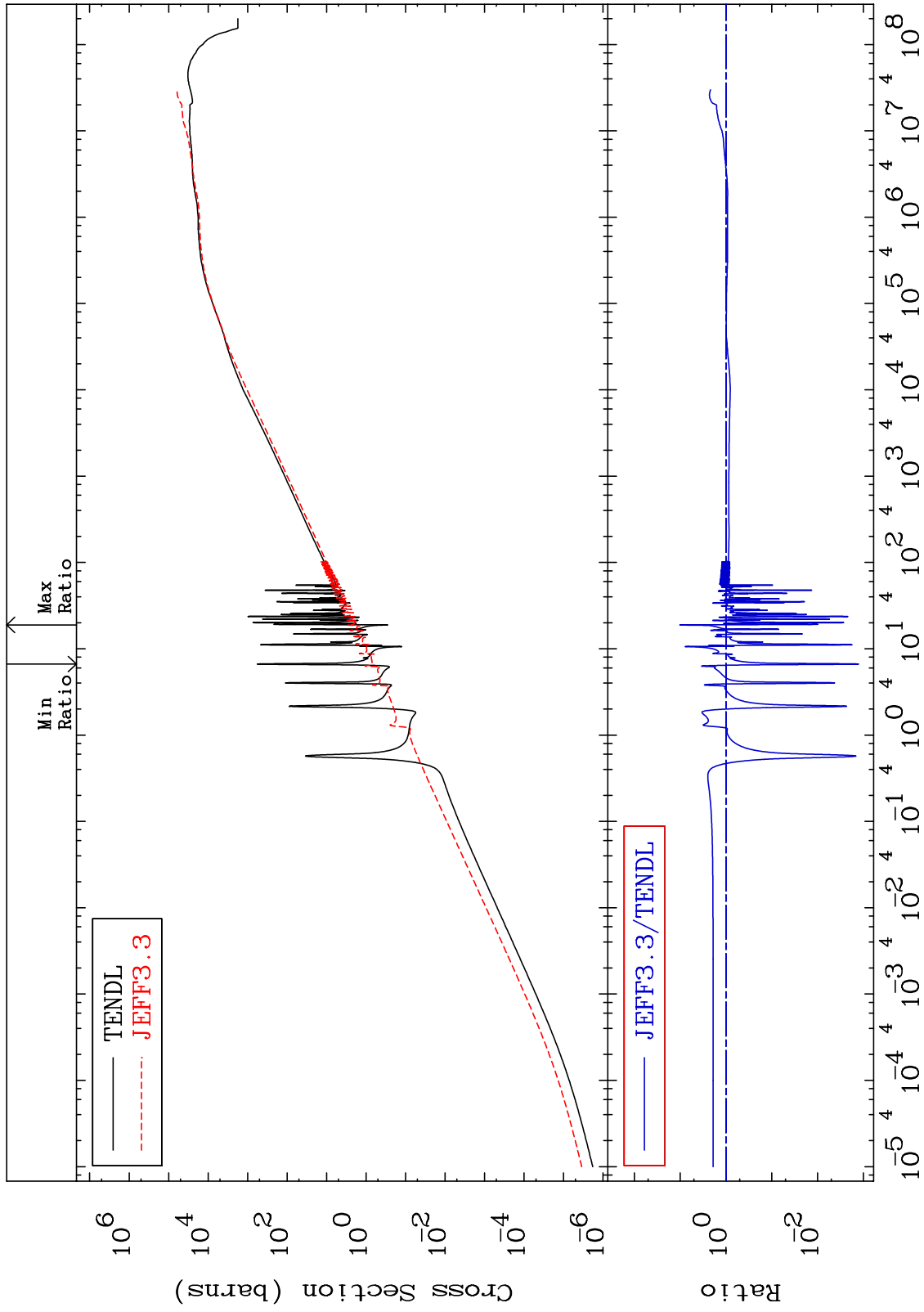
Incident Energy (eV)

92-U -239

MAT 9240

Kerma elastic
Cross Section

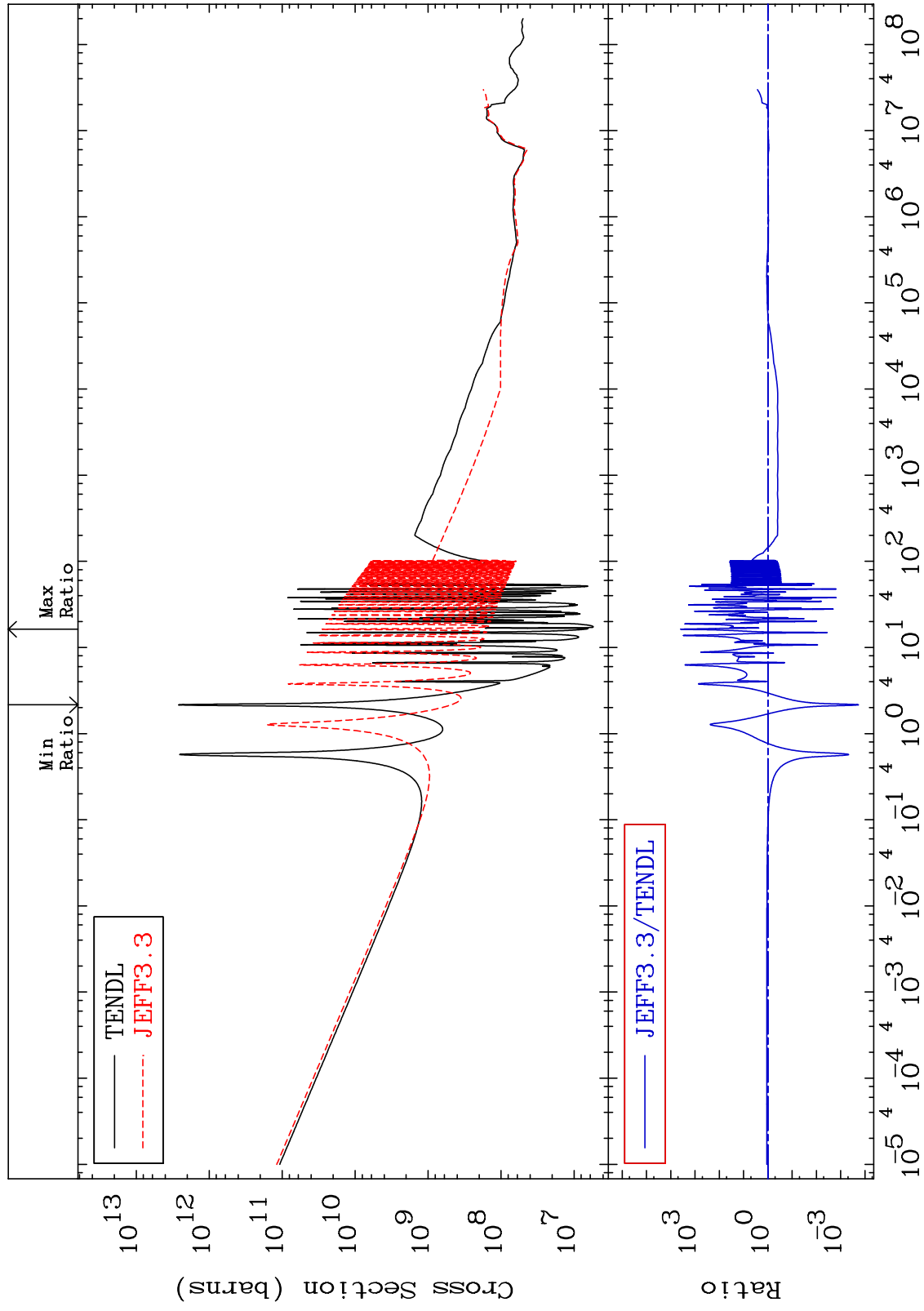
92-U -239
-99.87 To 902.9 %



MAT 9240

Kerma non-elastic (all but mt2)
Cross Section

92-U -239
-99.98 To 9999. %



42

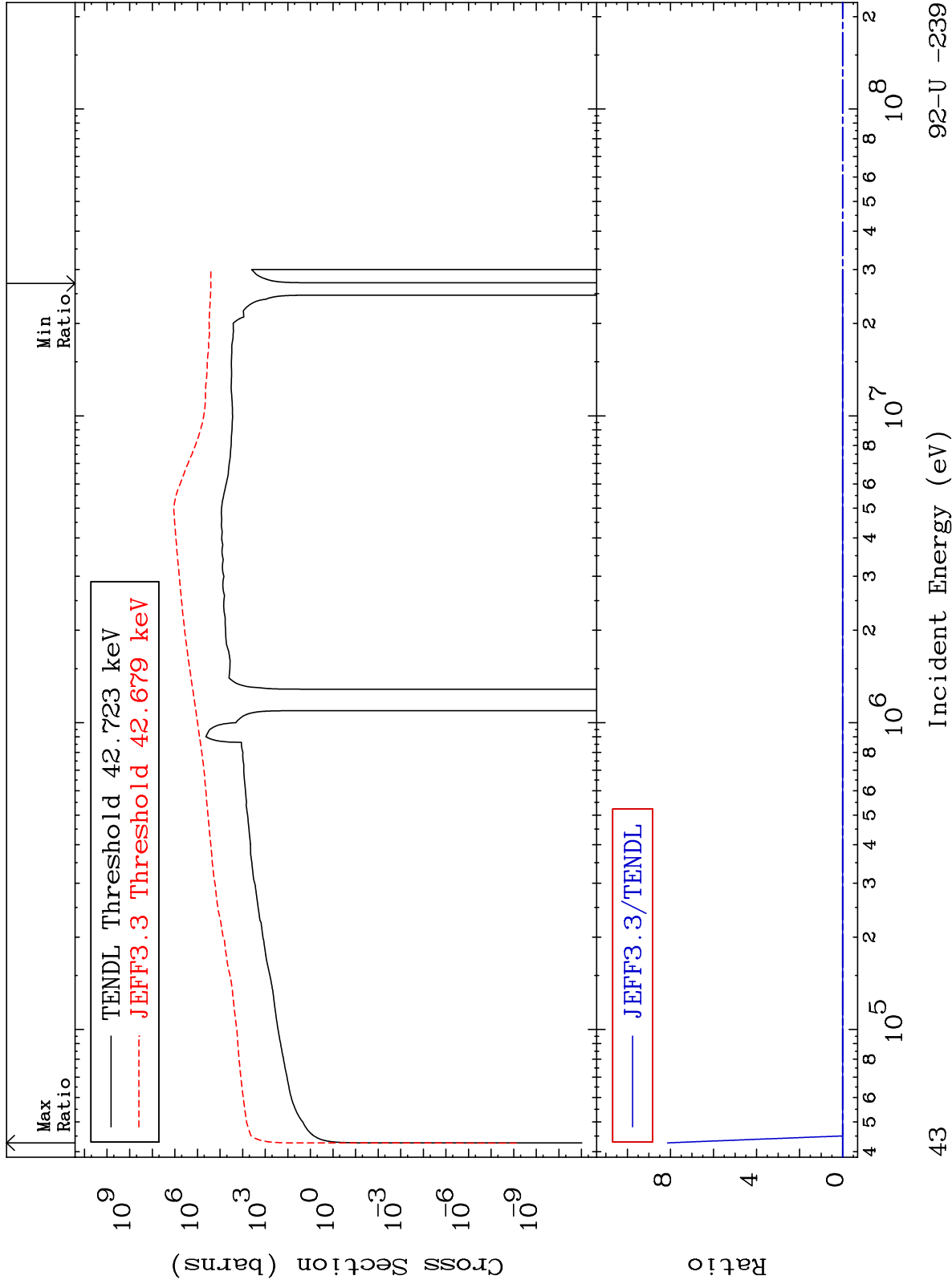
Incident Energy (eV)

92-U -239

MAT 9240

Kerma inelastic (mt51-91)
Cross Section

92-U -239
-9999. To 9999. %



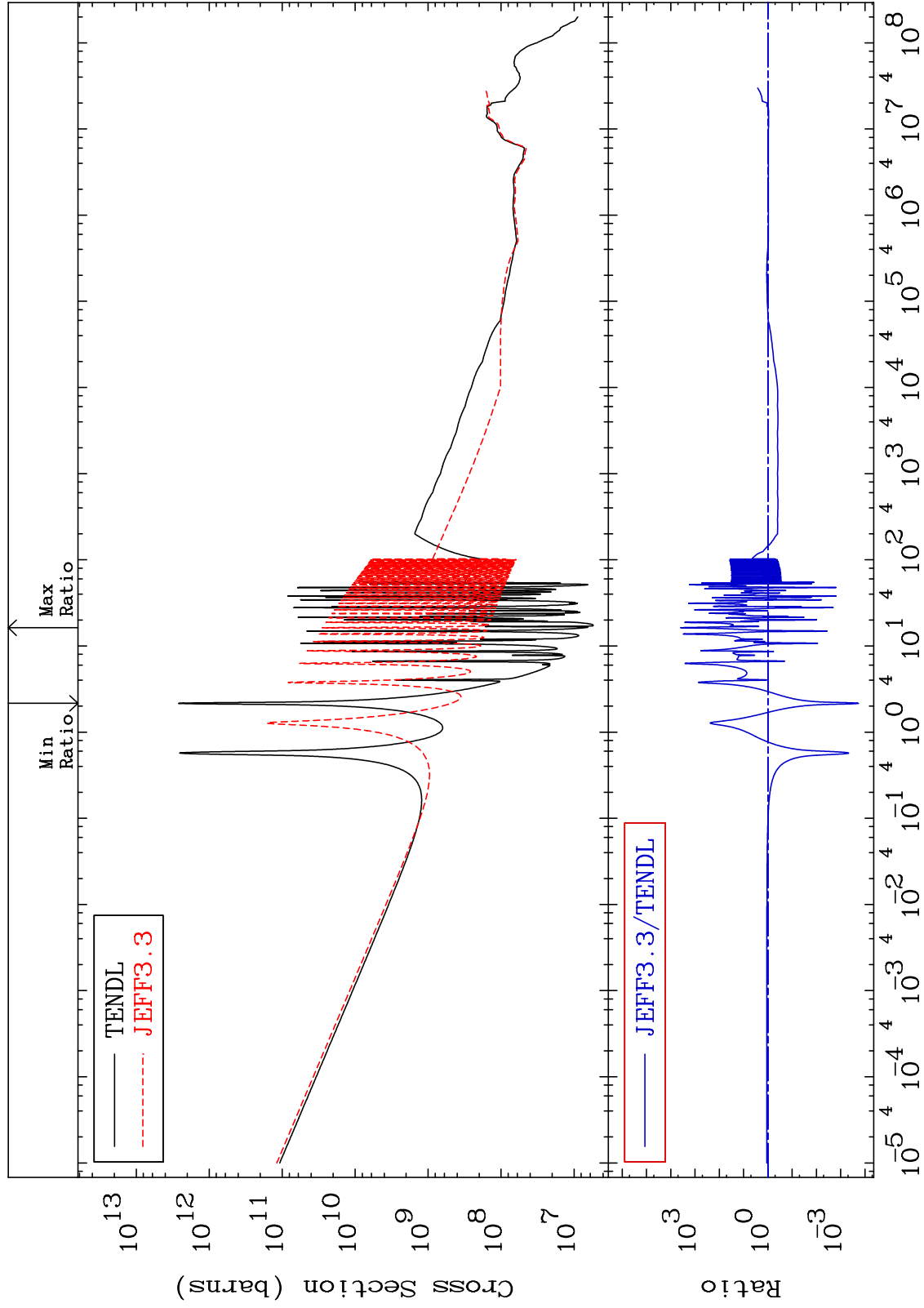
MAT 9240

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

92-U -239

-99.98 To 9999. %

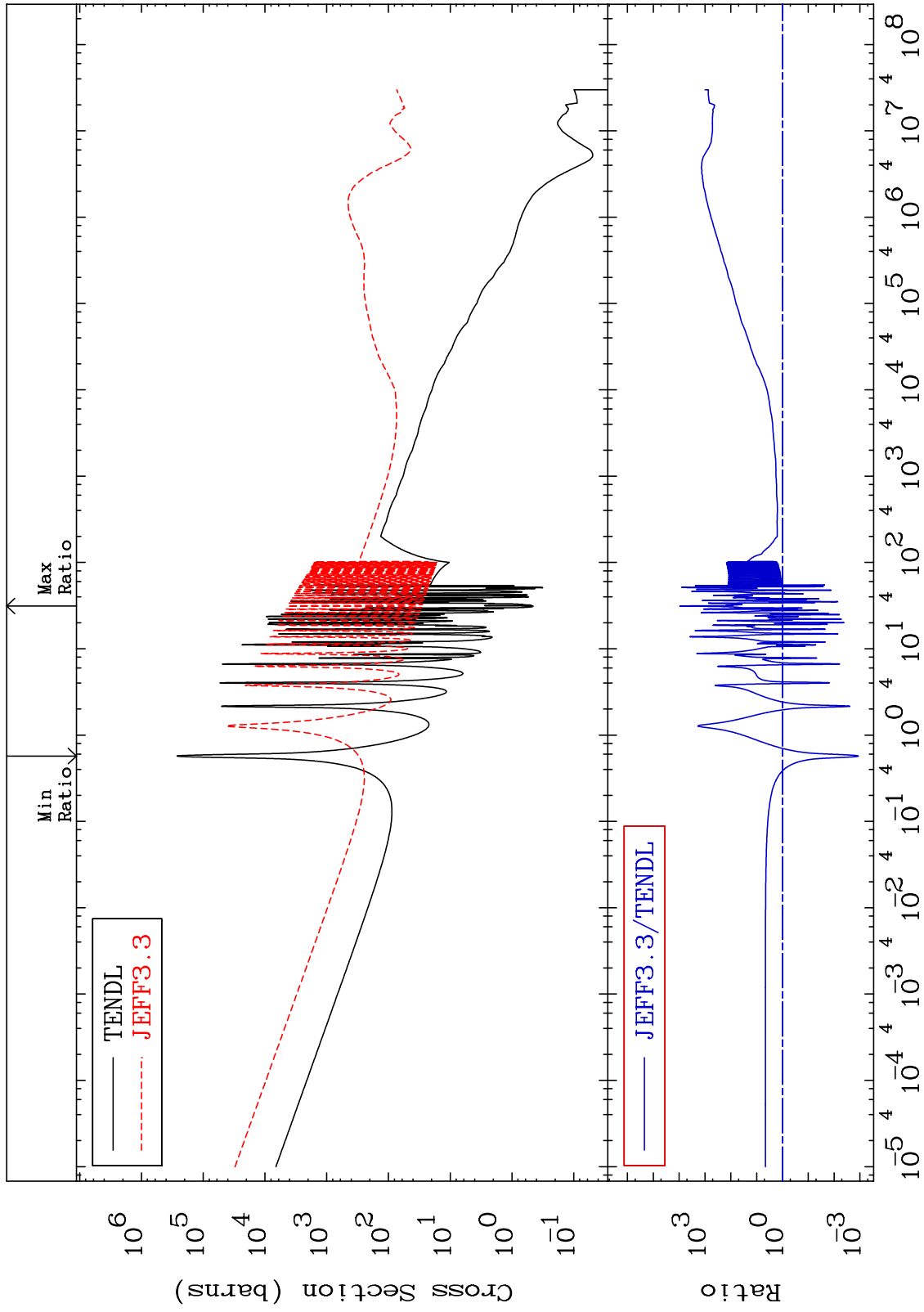
Cross Section



MAT 9240

Kerma capture (mt102)
Cross Section

92-U -239
-99.89 To 9999. %

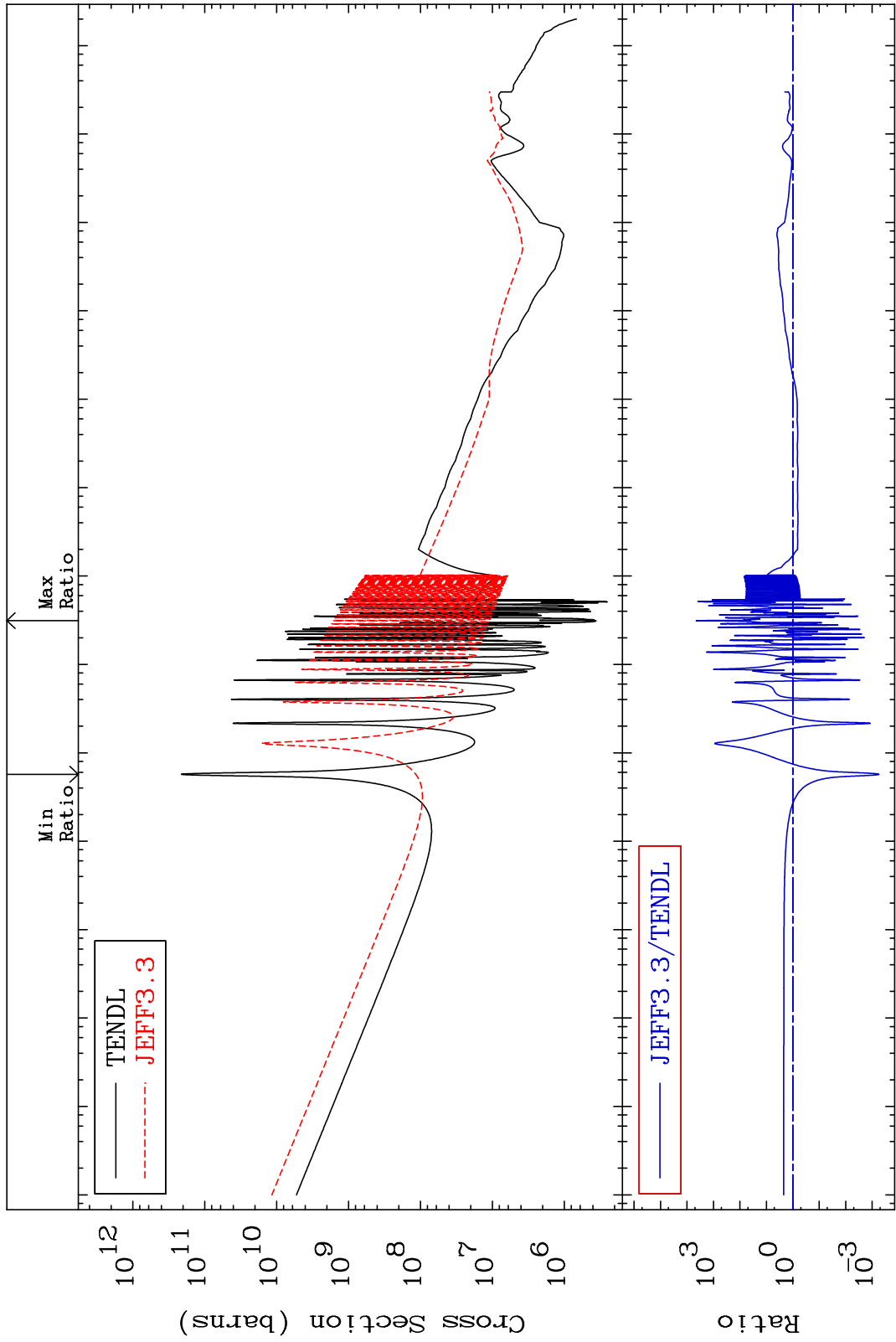


45

Incident Energy (eV)

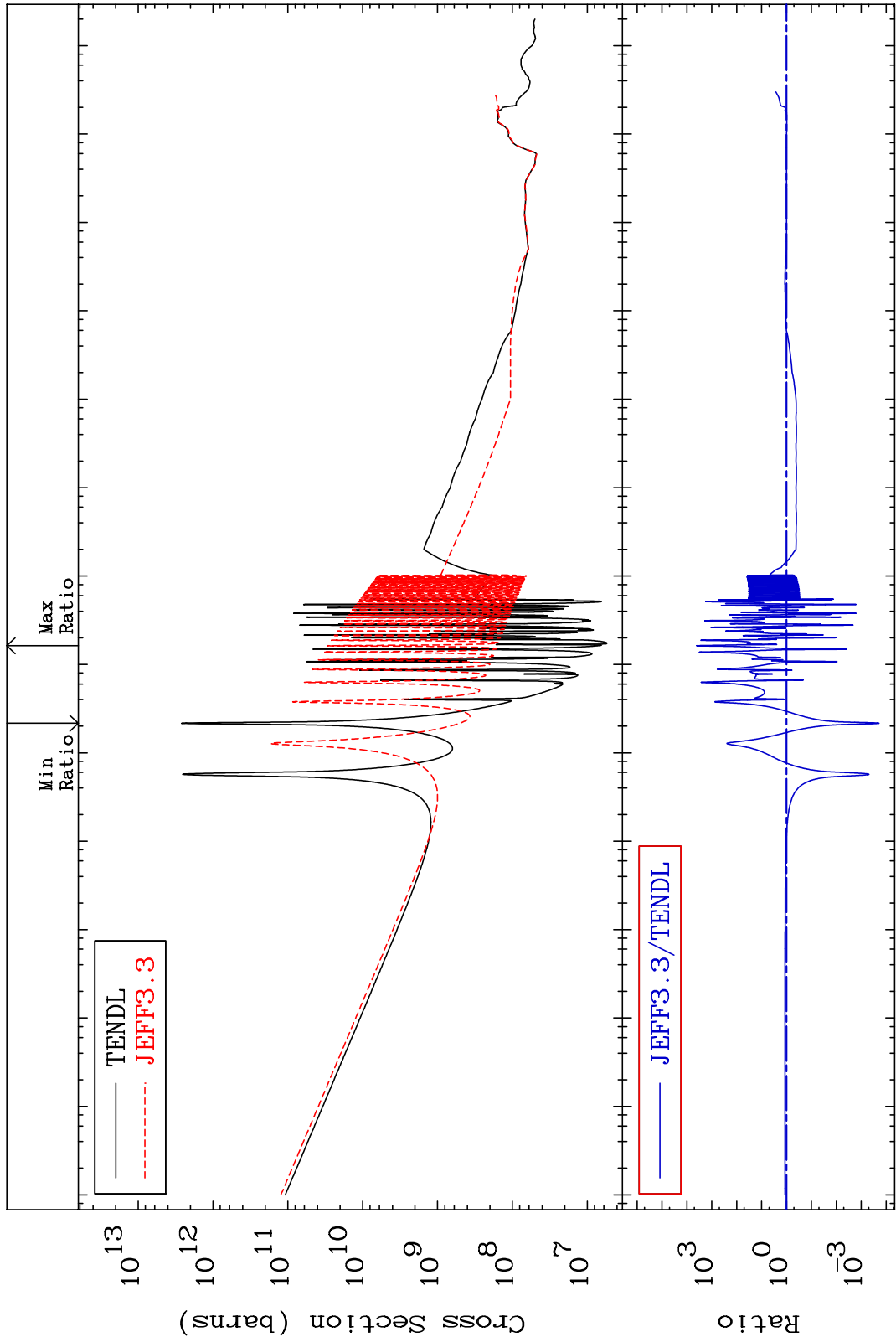
92-U -239

MAT 9240
Total photon (eV-barns)
Cross Section
92-U -239
-99.95 To 9999. %



Ratio
Incident Energy (eV)
92-U -239

MAT 9240 Total kinematic kerma (high limit) 92-U -239
 -99.98 To 9999. %
 Cross Section

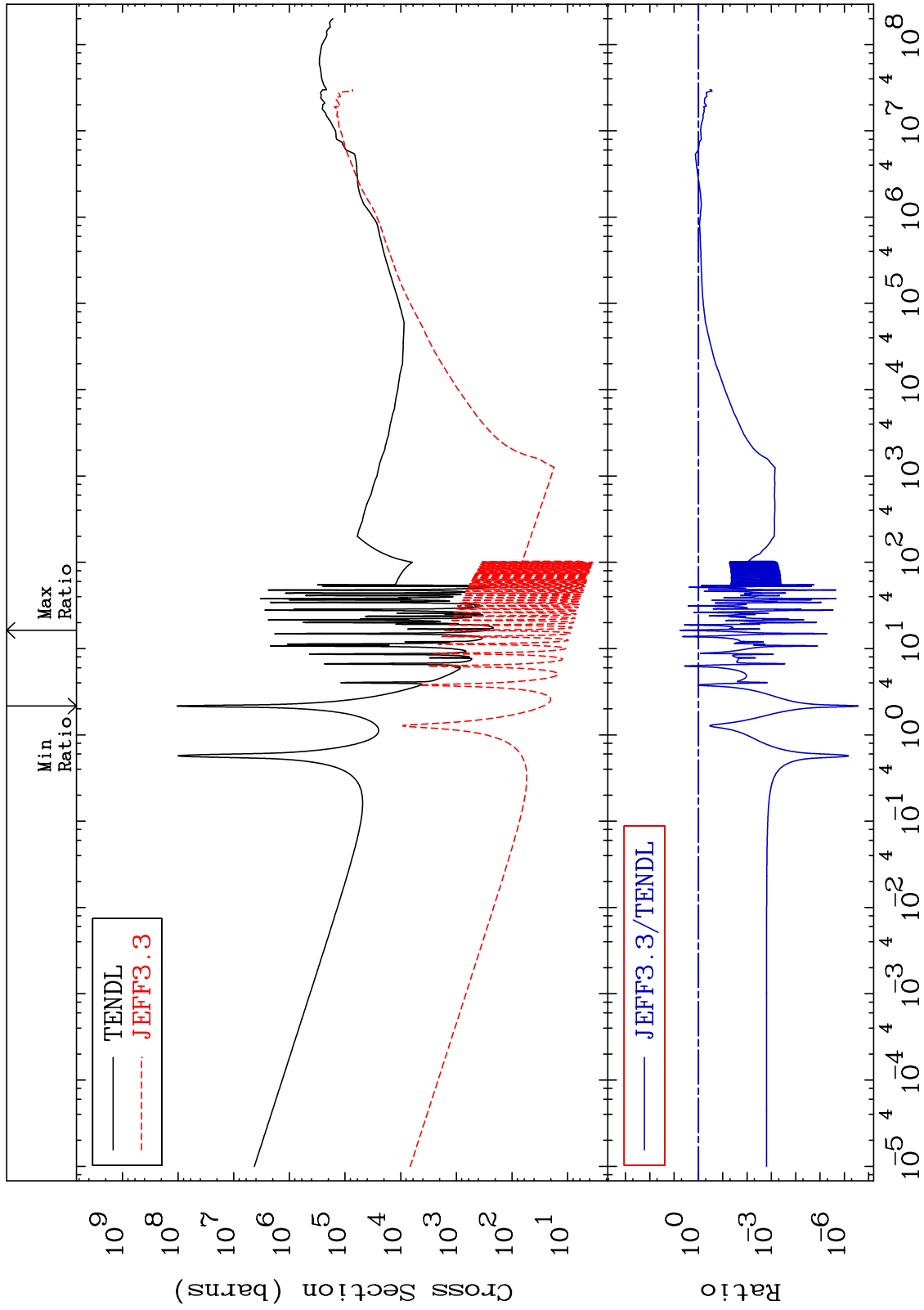


Incident Energy (eV) 92-U -239

MAT 9240

Dpa total (eV-barns)

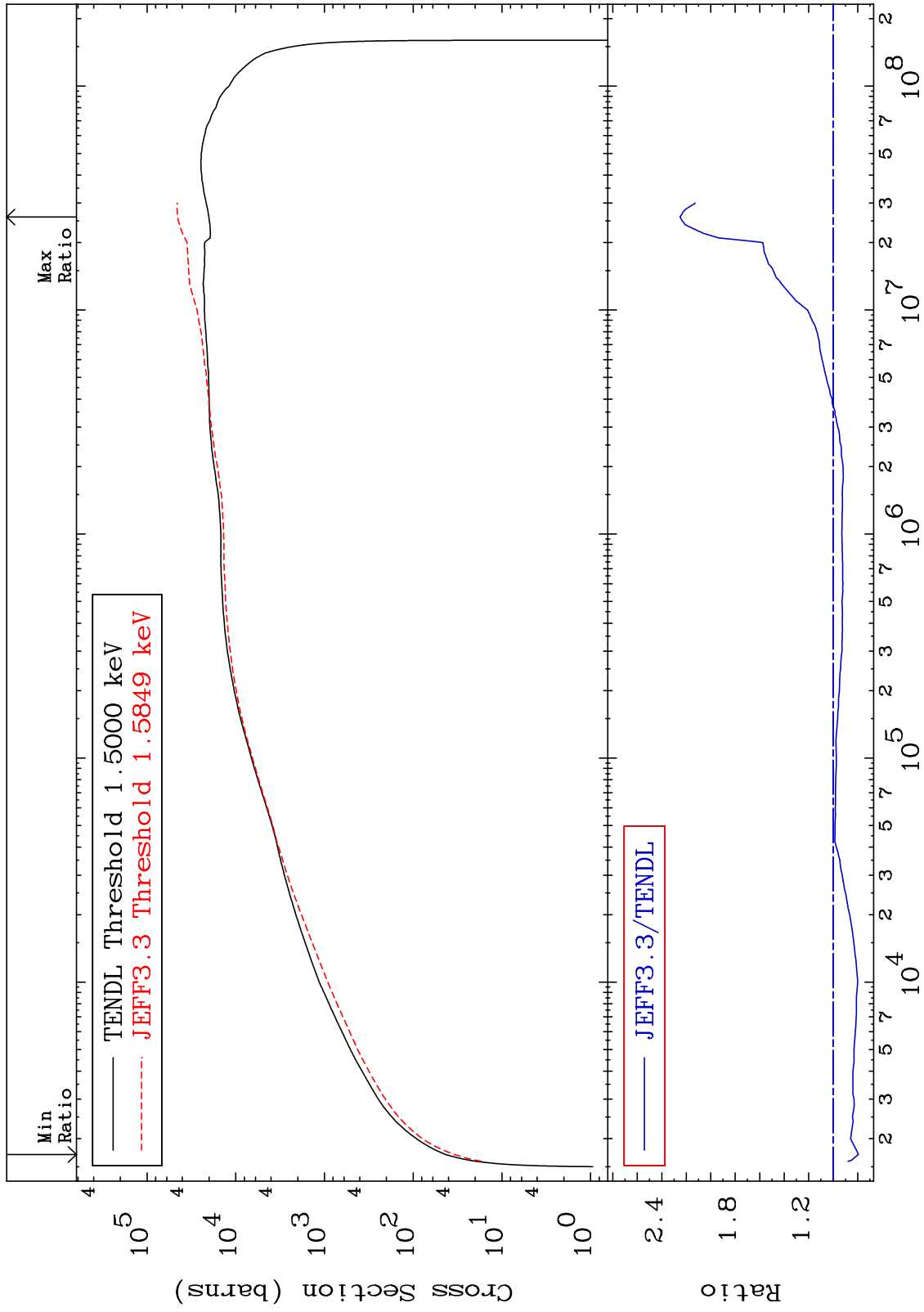
92-U -239
-100.0 To 471.6 %



MAT 9240

Dpa elastic (mt2)
Cross Section

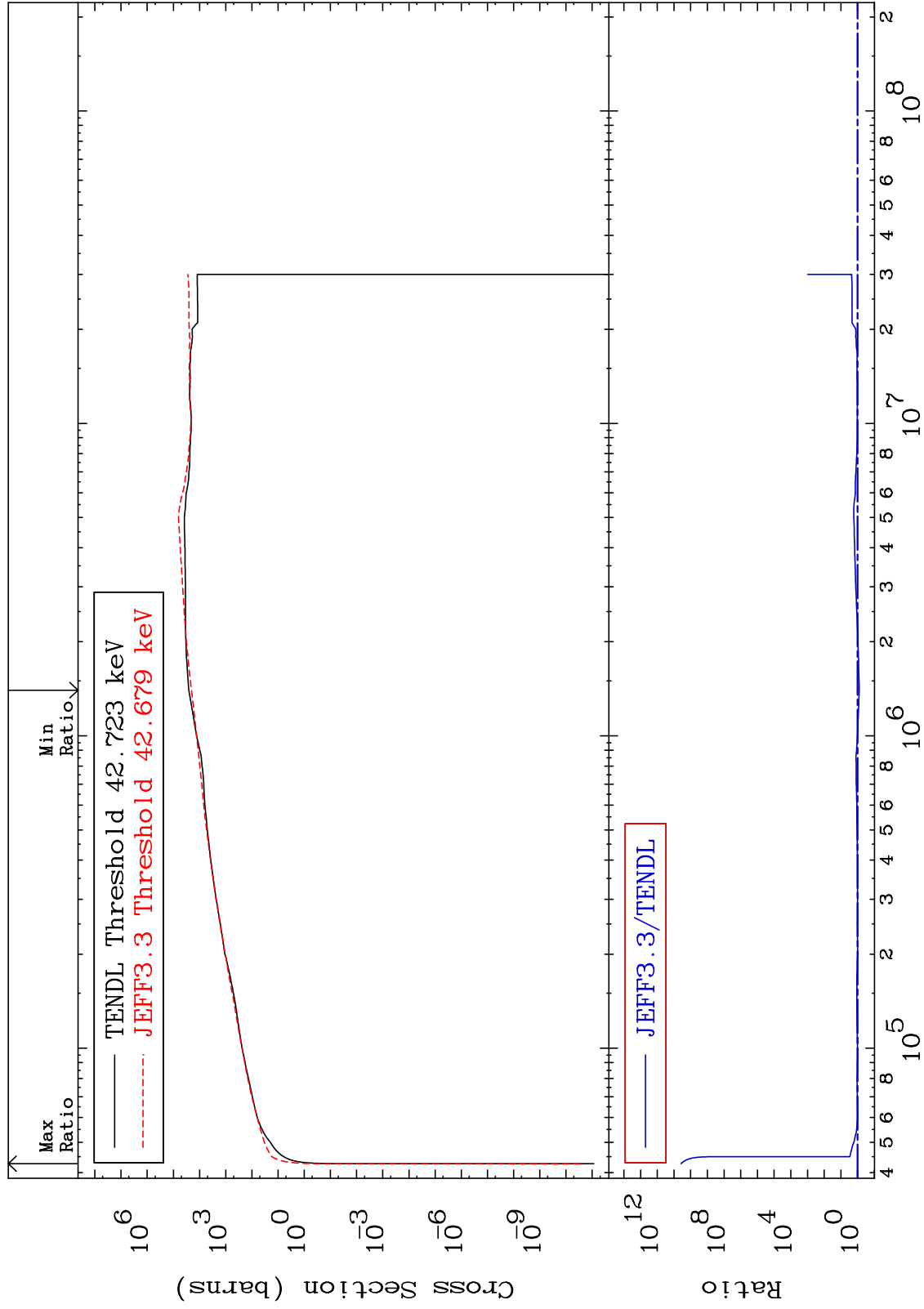
92-U -239
-20.63 To 125.1 %



MAT 9240

Dpa inelastic (mt51-91)
Cross Section

92-U -239
-21.15 To 9999. %



50

Incident Energy (eV)

92-U -239

MAT 9240 Dpa disappearance (mt102 -120) 92-U -239
 Cross Section -100.0 To 9999. %

