

Program Complot
(Version 2018-1)

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

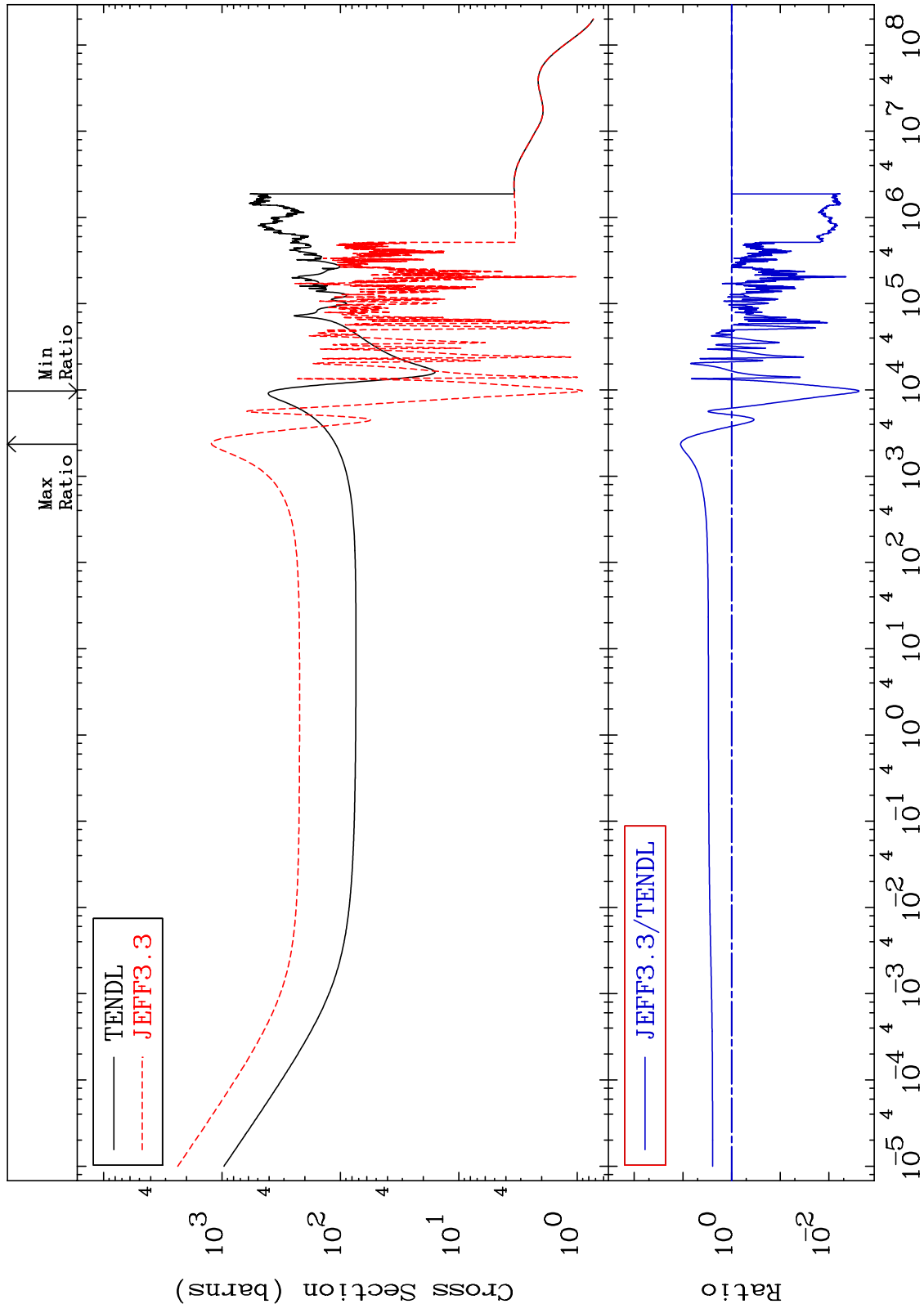
Press Mouse Button to Start

MAT 1825

Total
Cross Section

18-Ar-36

-99.76 To 1012. %



1

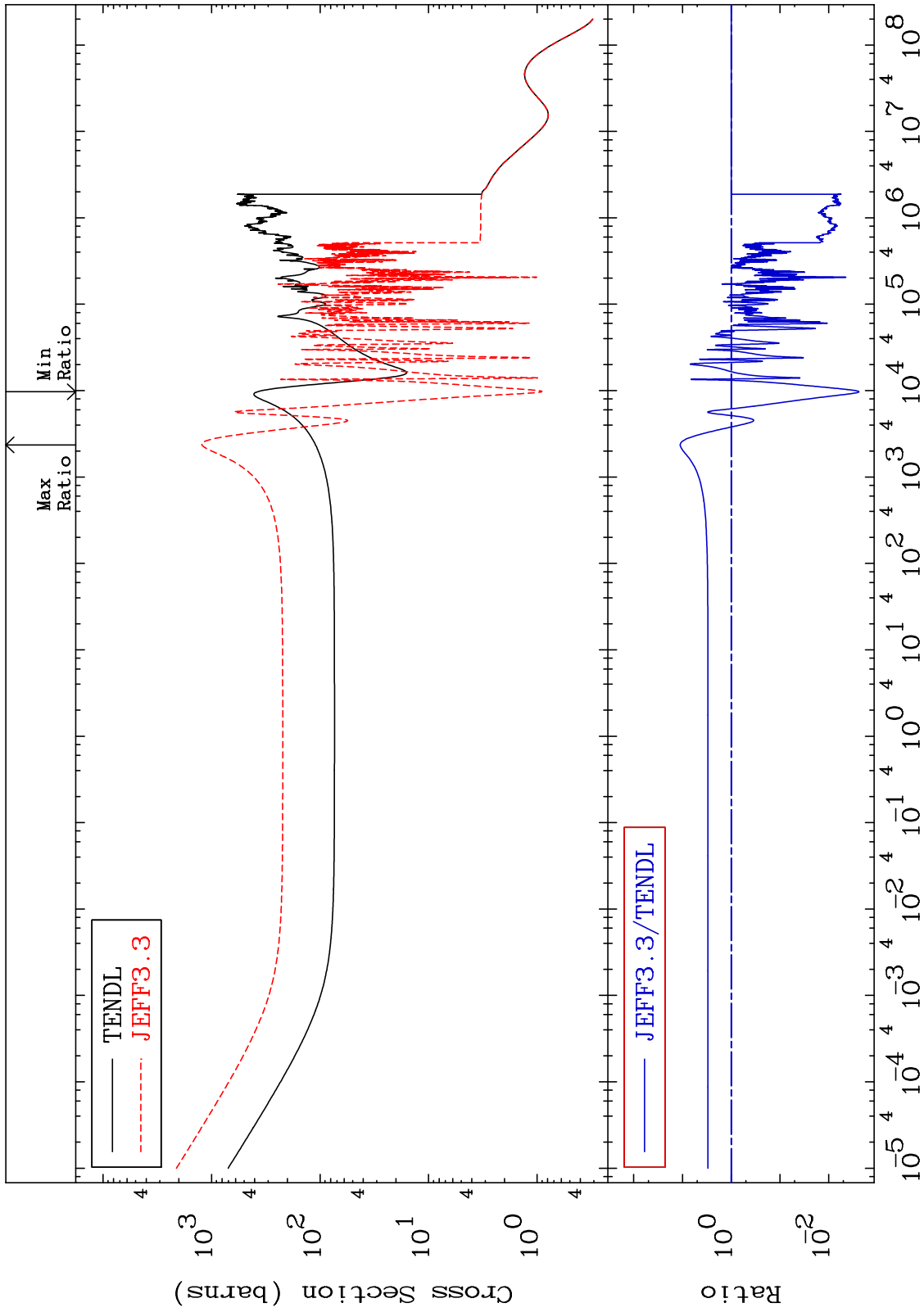
Incident Energy (eV)

18-Ar-36

MAT 1825

Elastic
Cross Section

18-Ar-36
-99.76 To 1012. %

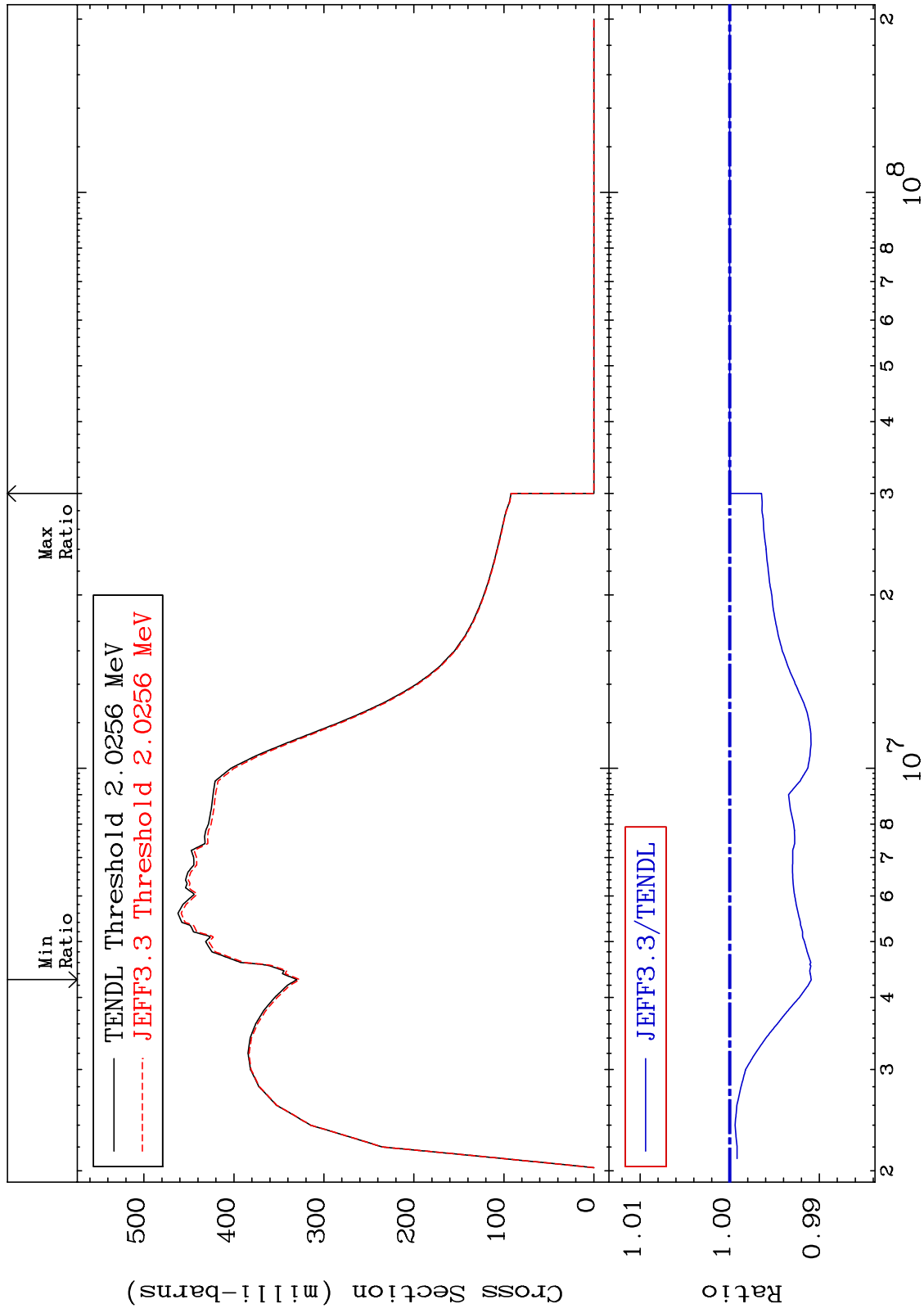


2

Incident Energy (eV)

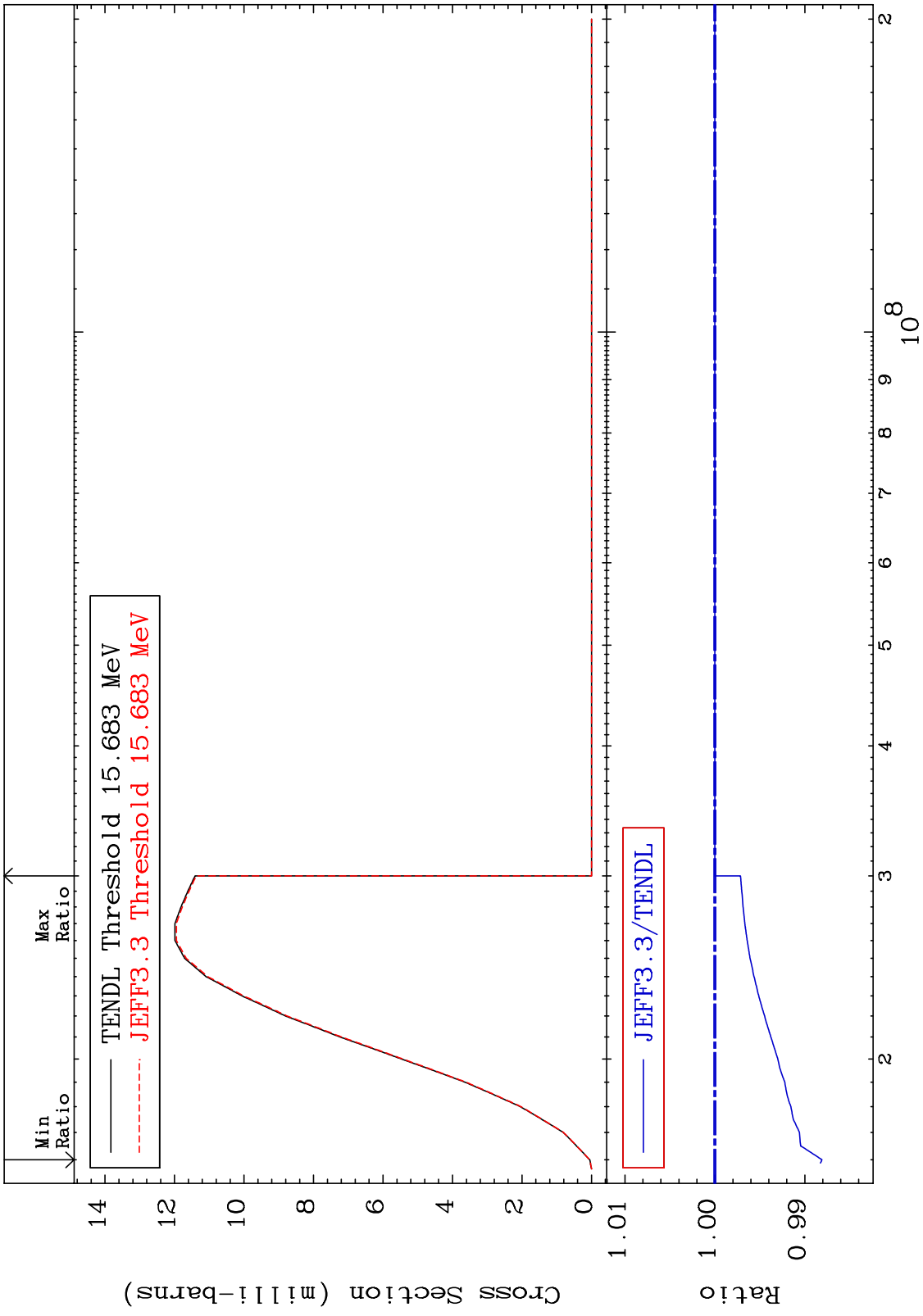
18-Ar-36

MAT 1825 18-Ar-36 Inelastic Cross Section -0.910 To 0.000 % 18-Ar-36

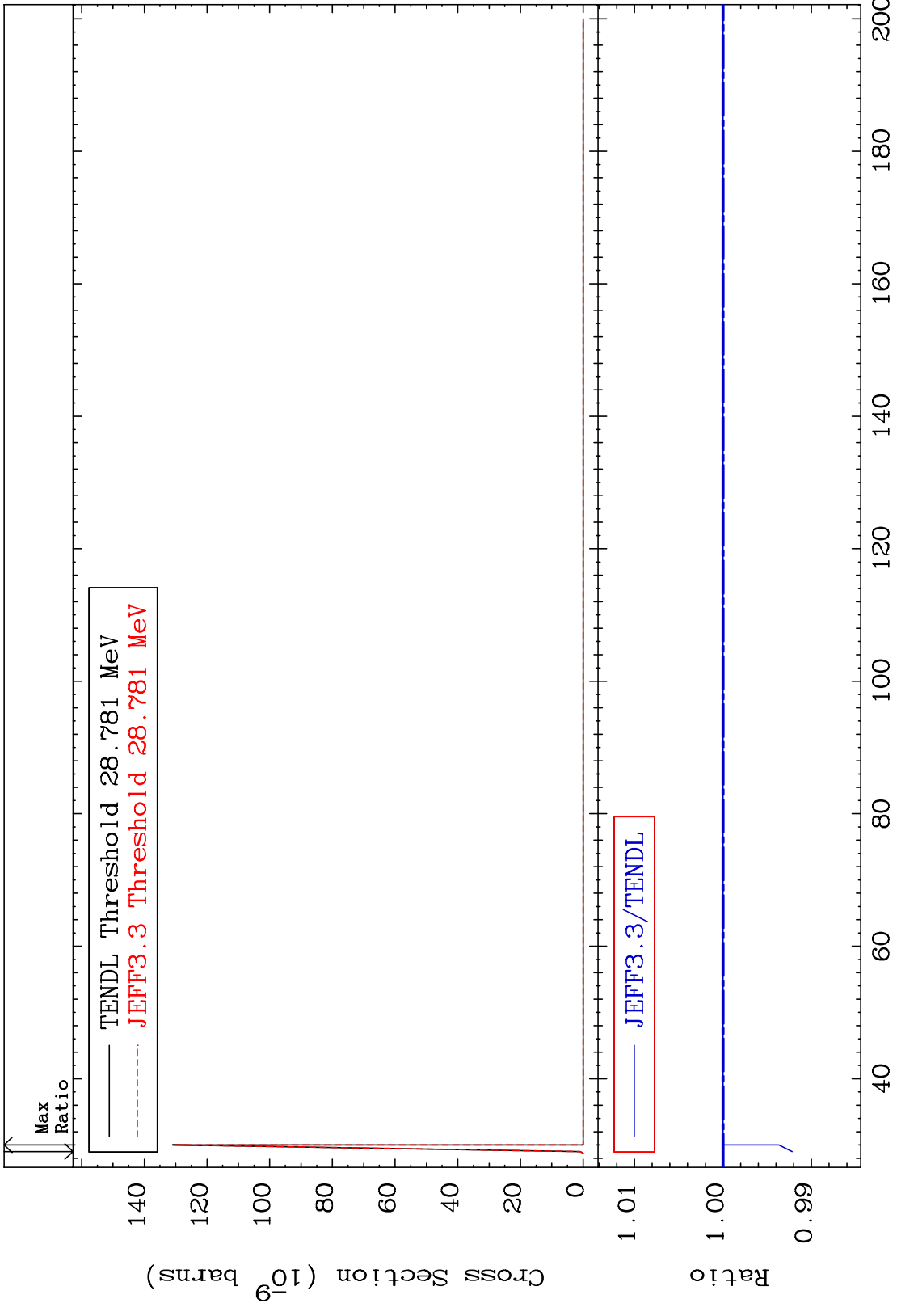


3 18-Ar-36

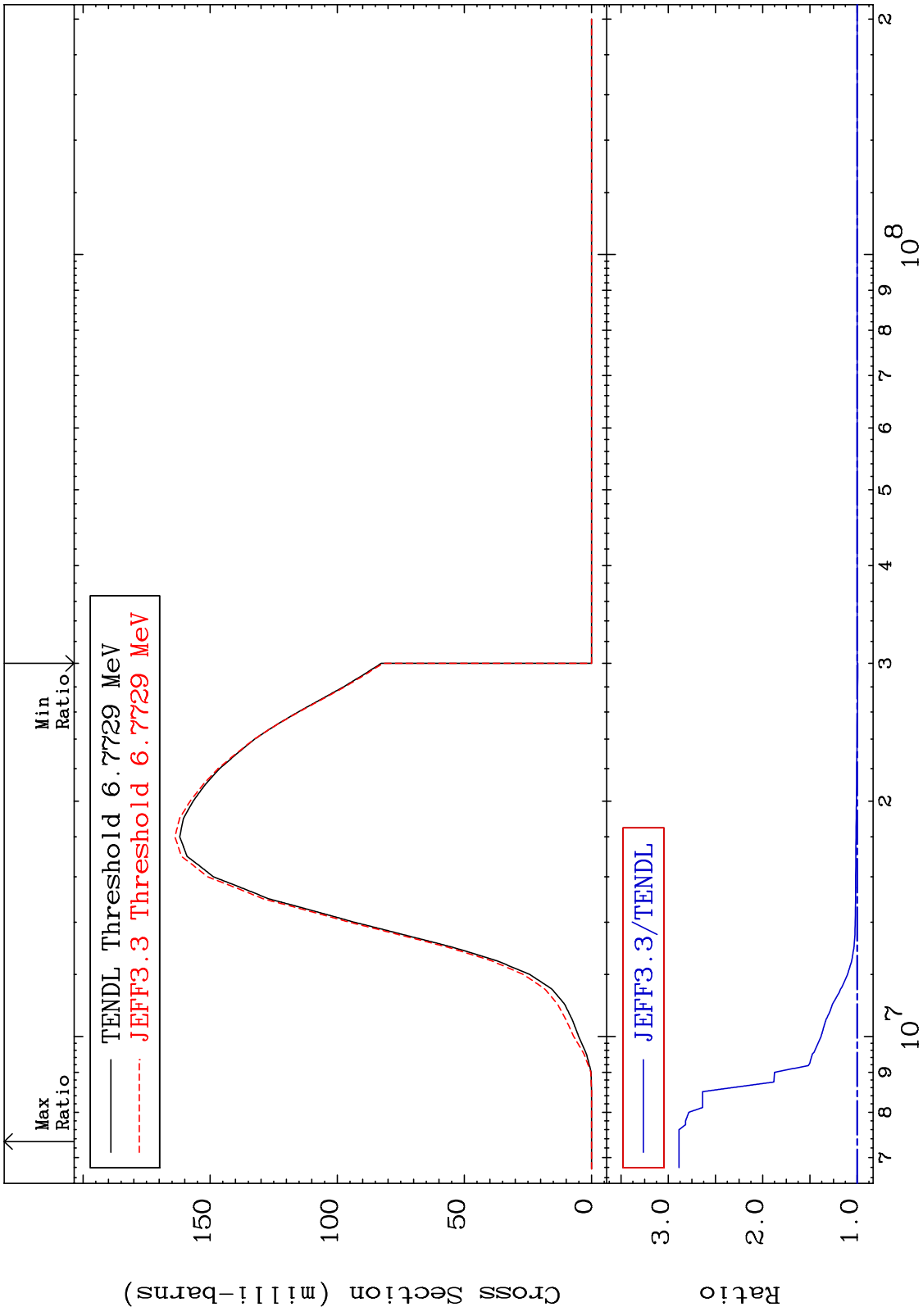
MAT 1825 (n,2n) Cross Section 18-Ar-36
 -1.191 To 0.000 %



MAT 1825 (n,3n) 18-Ar-36
Cross Section -0.782 To 0.000 %



MAT 1825 $(n, n') \alpha$ Cross Section 18-Ar-36 -0.750 To 188.6 %



18-Ar-36

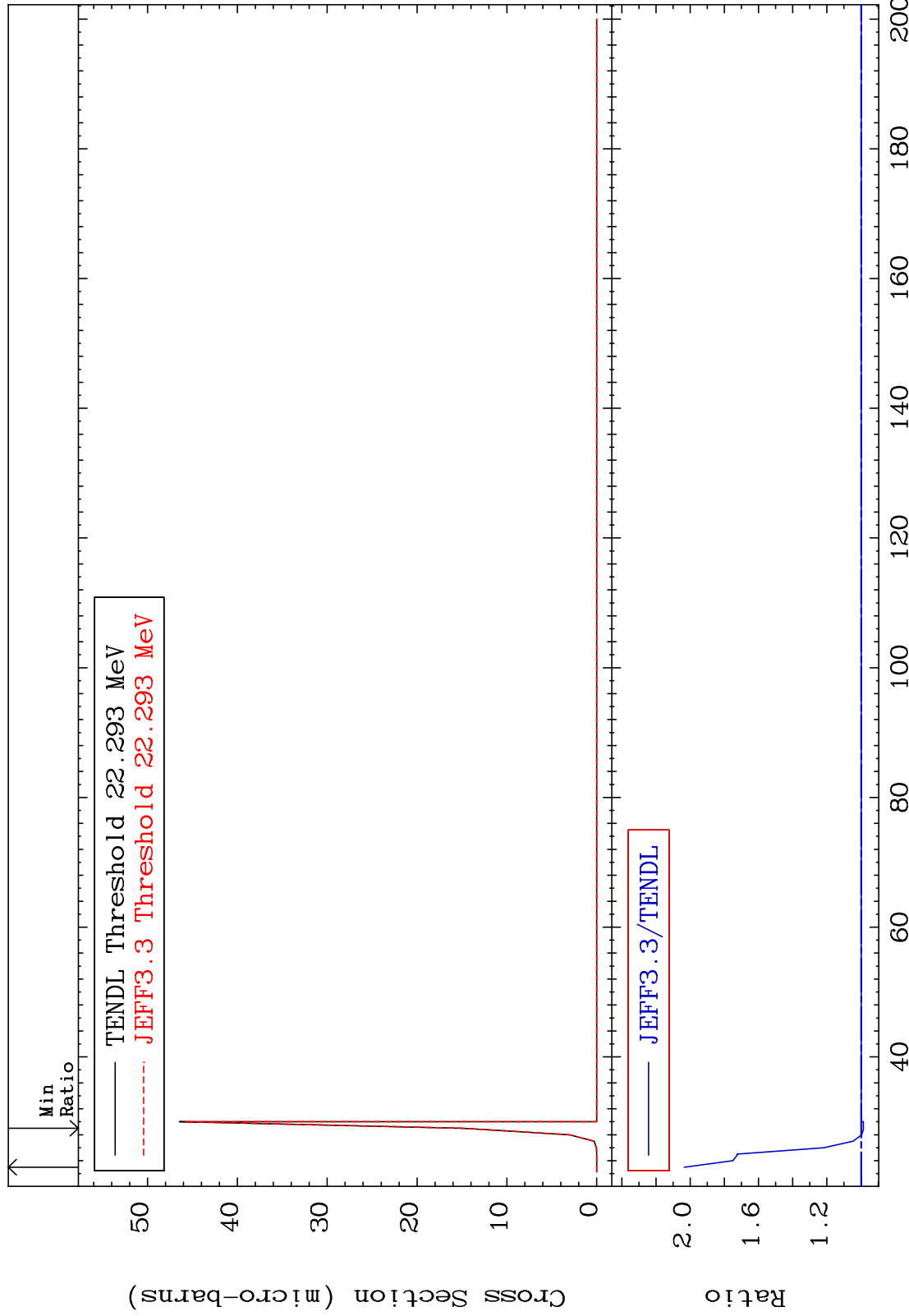
MAT 1825

(n,2n) α

18-Ar-36

Cross Section

-1.368 To 103.4 %



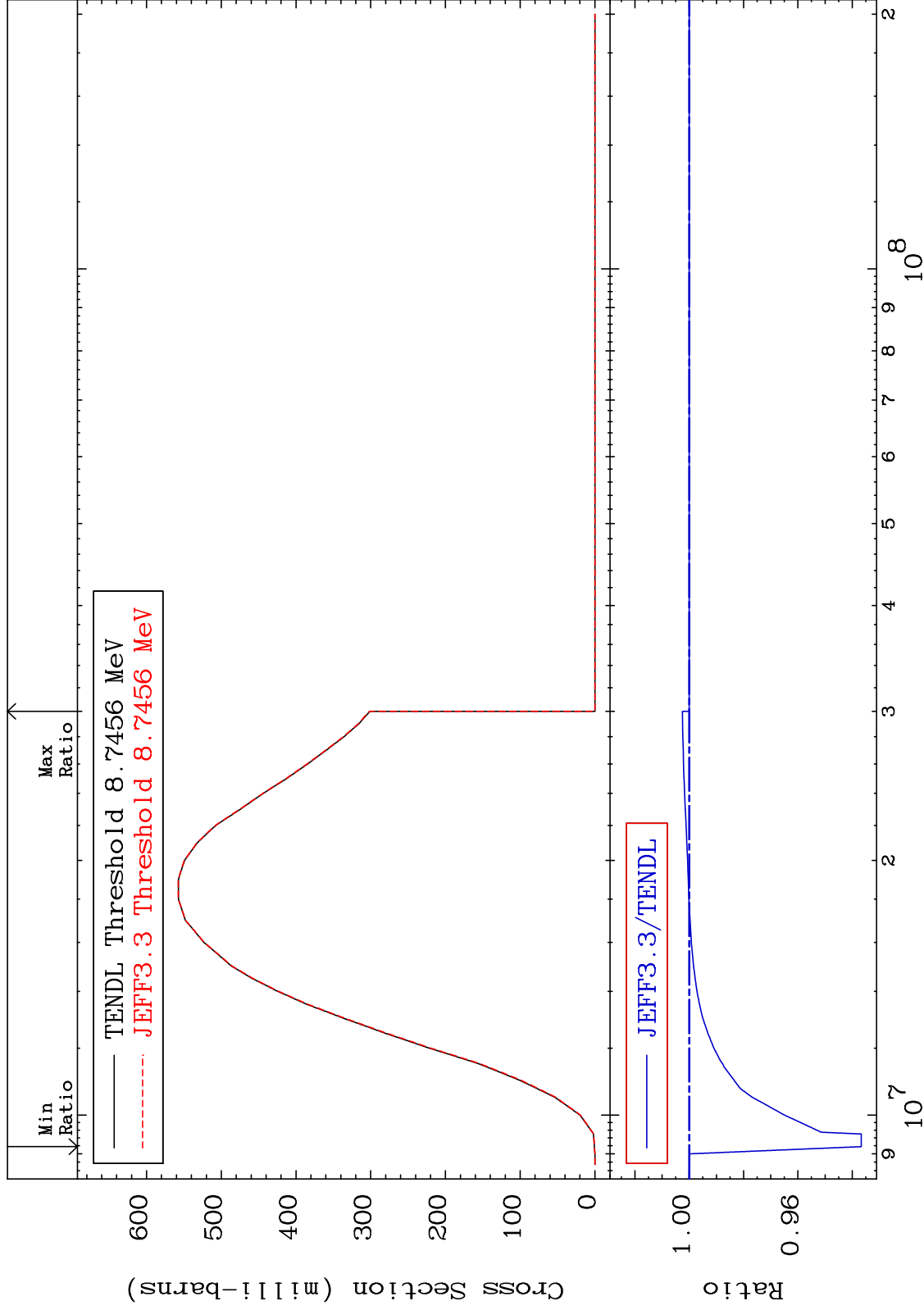
MAT 1825

(n, n') p

18-Ar-36

Cross Section

-6.332 To 0.249 %

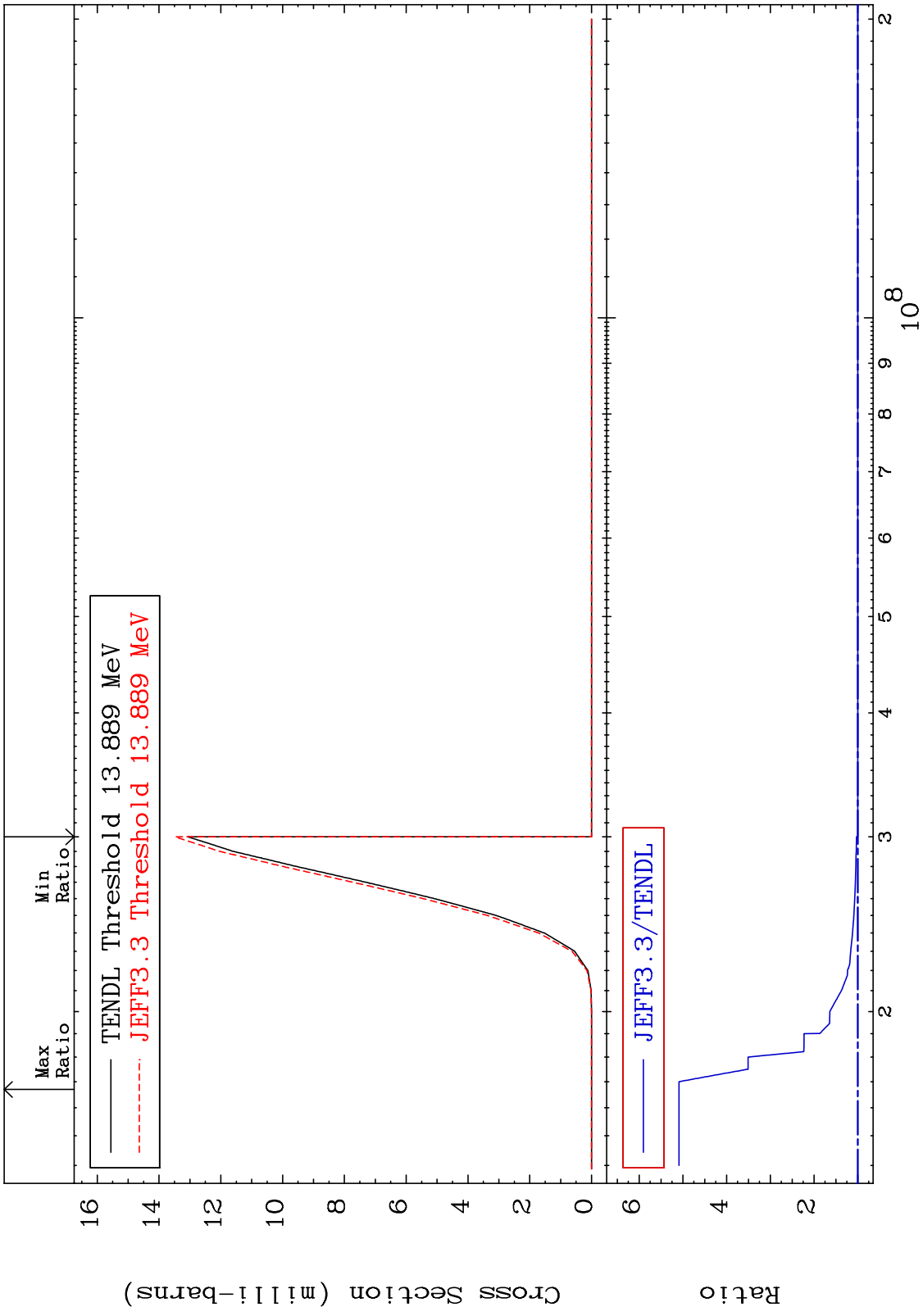


8

Incident Energy (eV)

18-Ar-36

MAT 1825 (n,n') 2α Cross Section 18-Ar-36 To 409.0 %



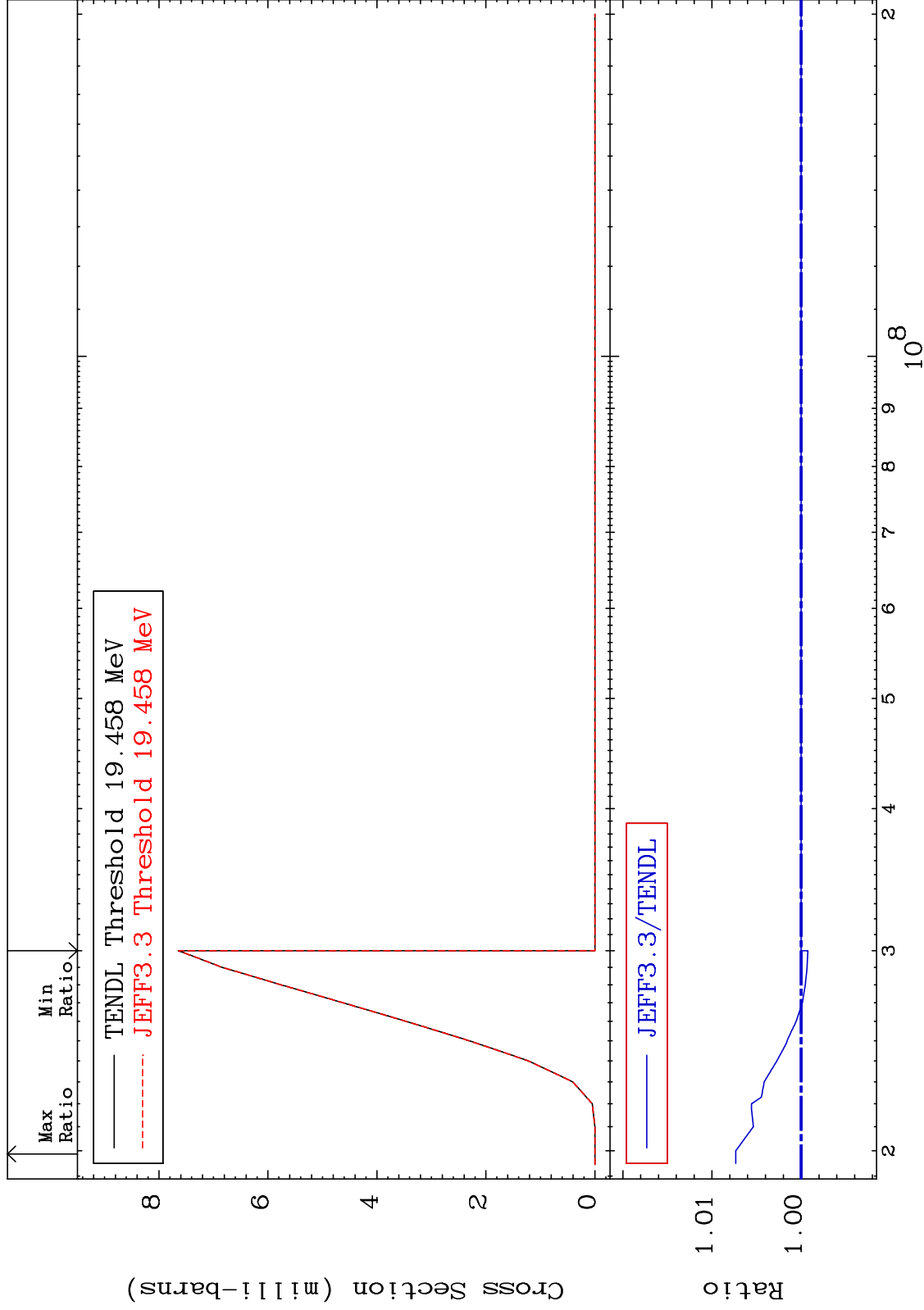
MAT 1825

(n, n') d

18-Ar-36

Cross Section

-0.077 To 0.734 %

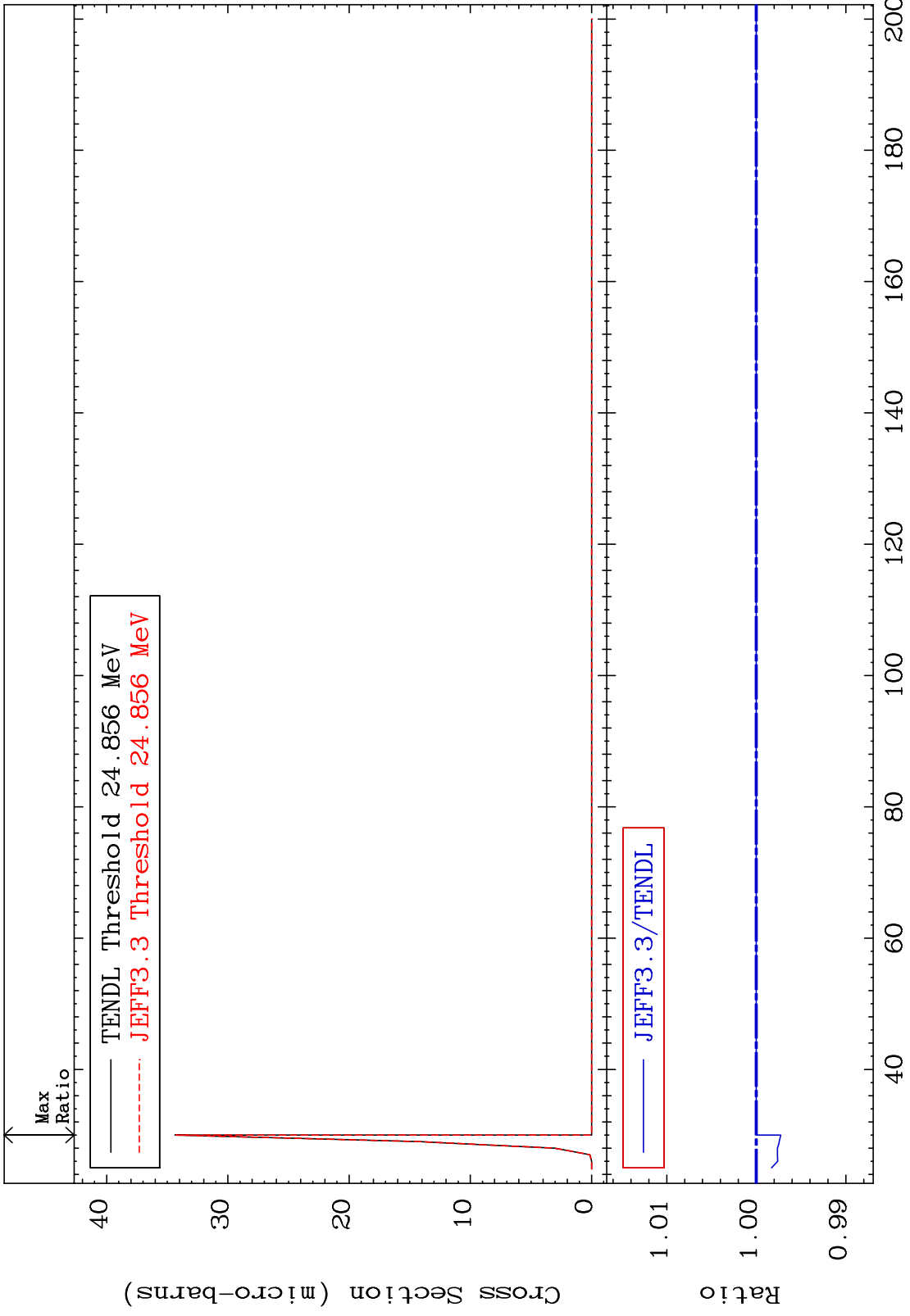


10

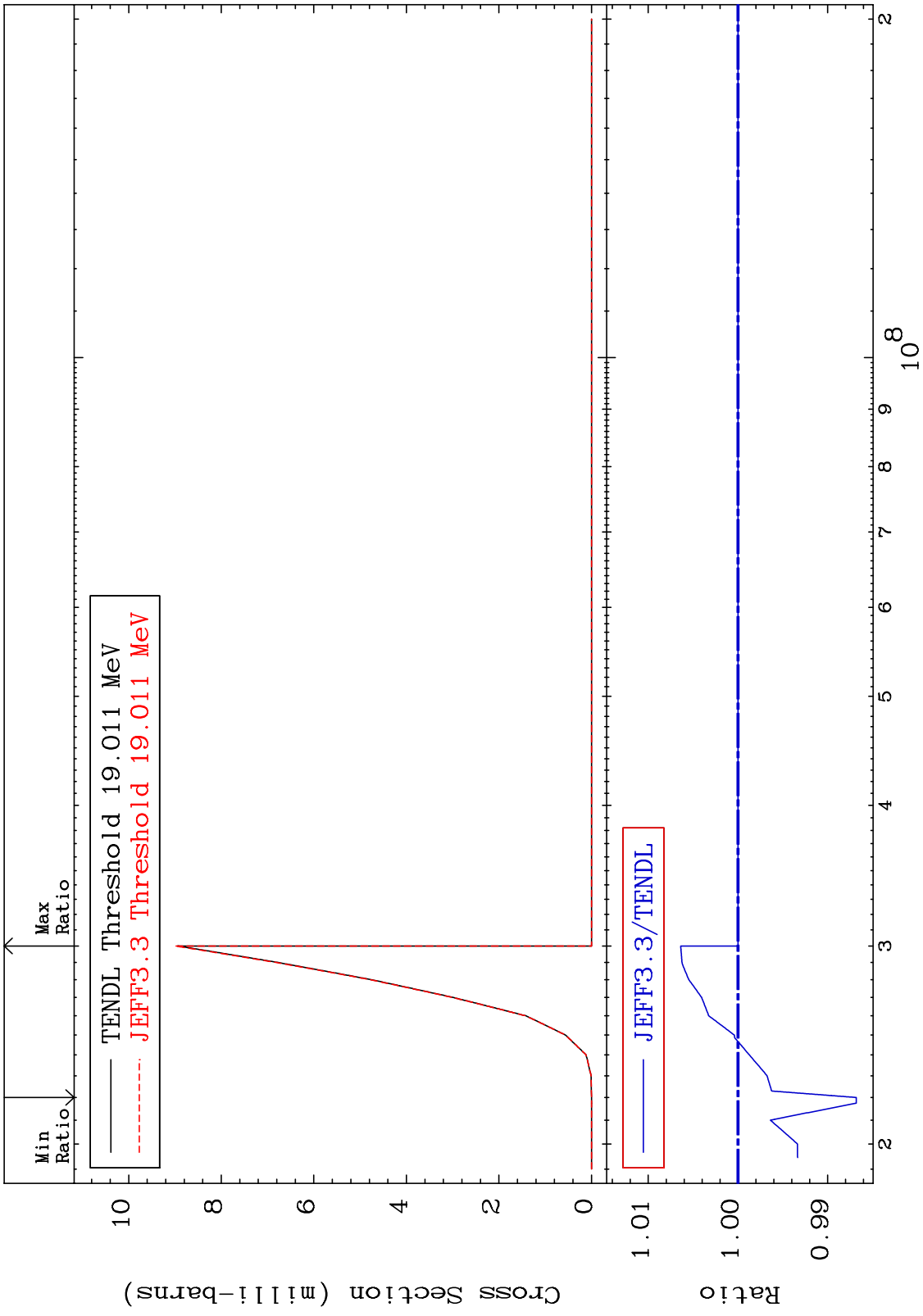
Incident Energy (eV)

18-Ar-36

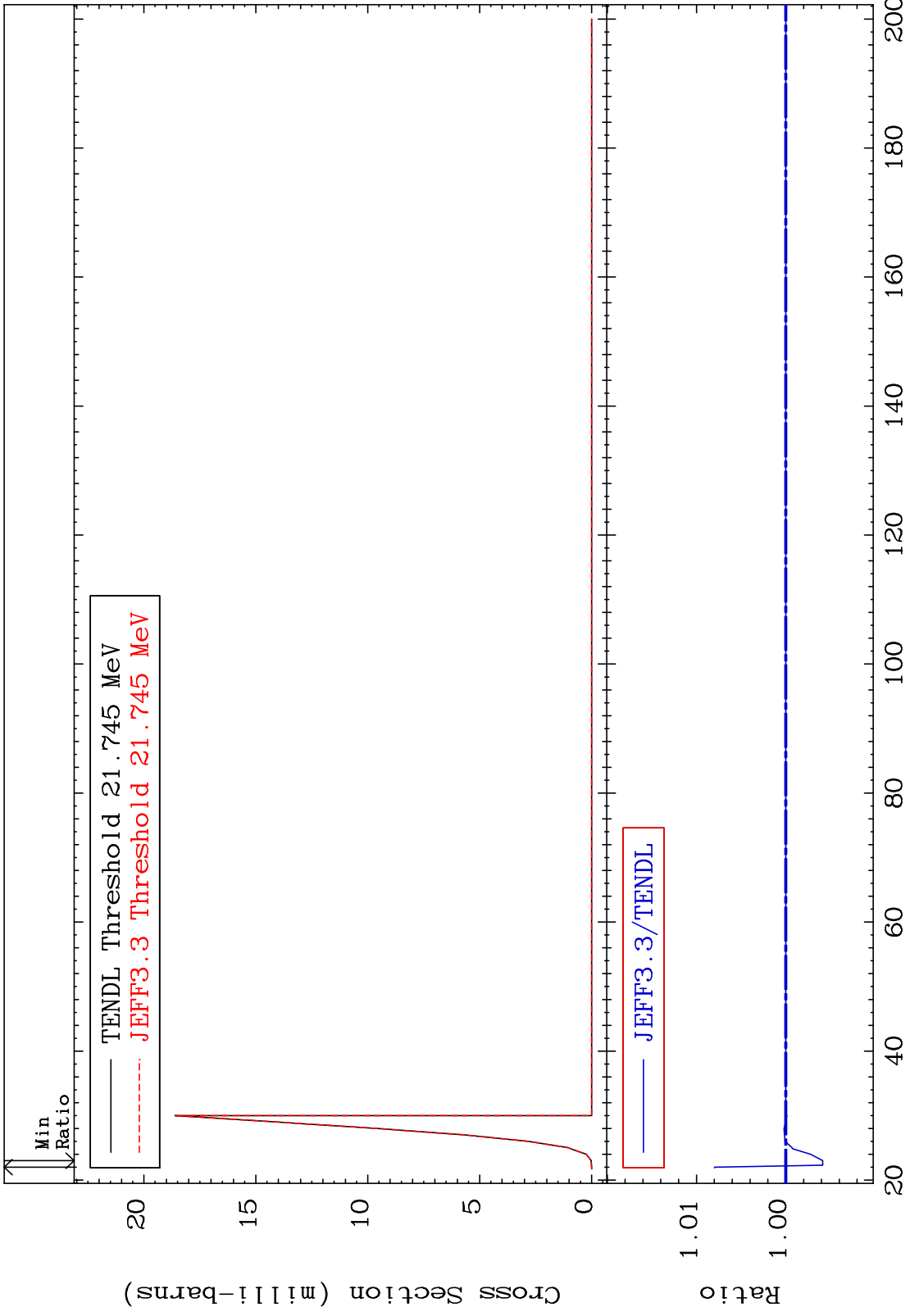
MAT 1825 (n,n') t 18-Ar-36
Cross Section -0.274 To 0.000 %

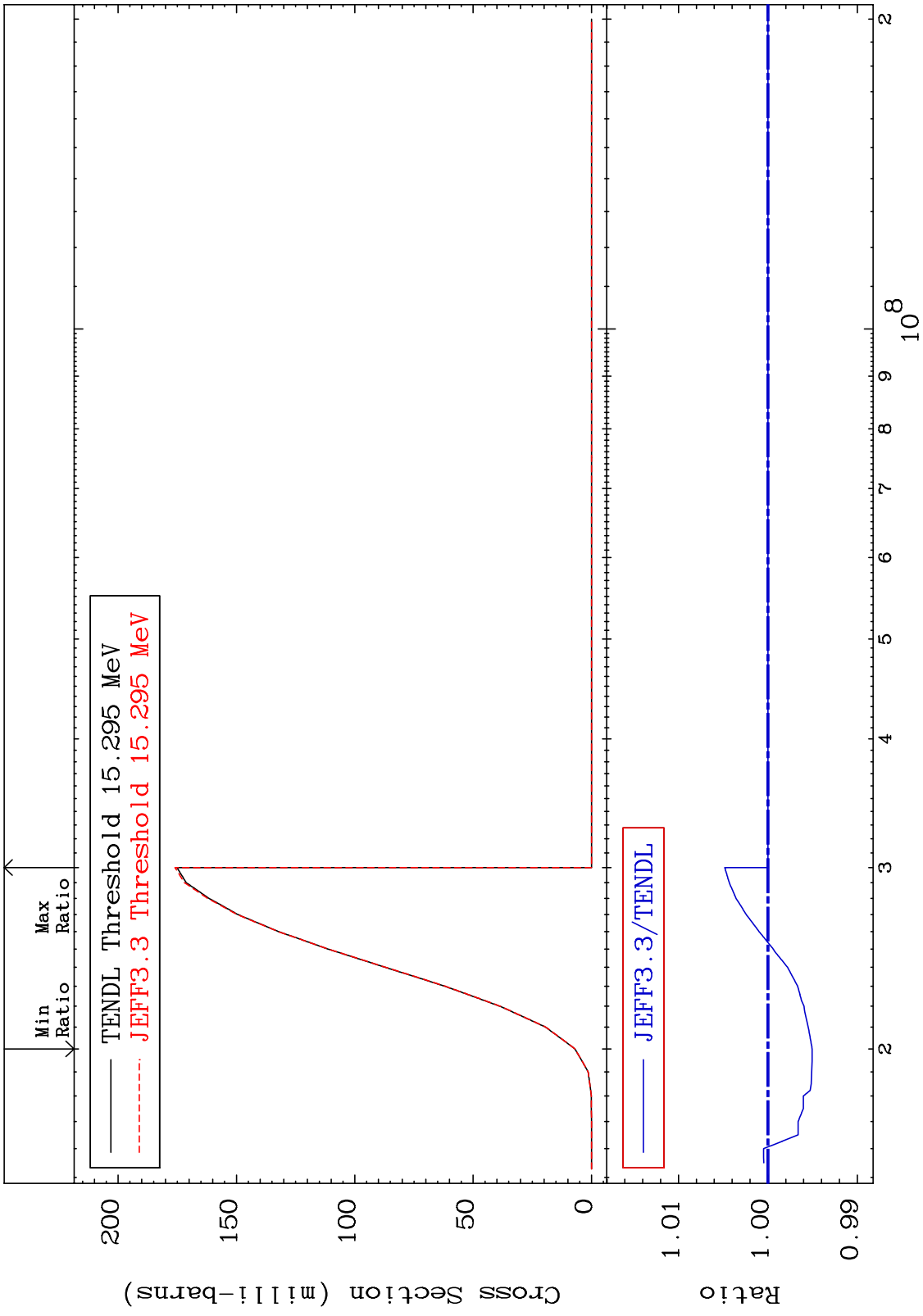


MAT 1825 (n, n') He-3 18-Ar-36
 Cross Section -1.319 To 0.639 %

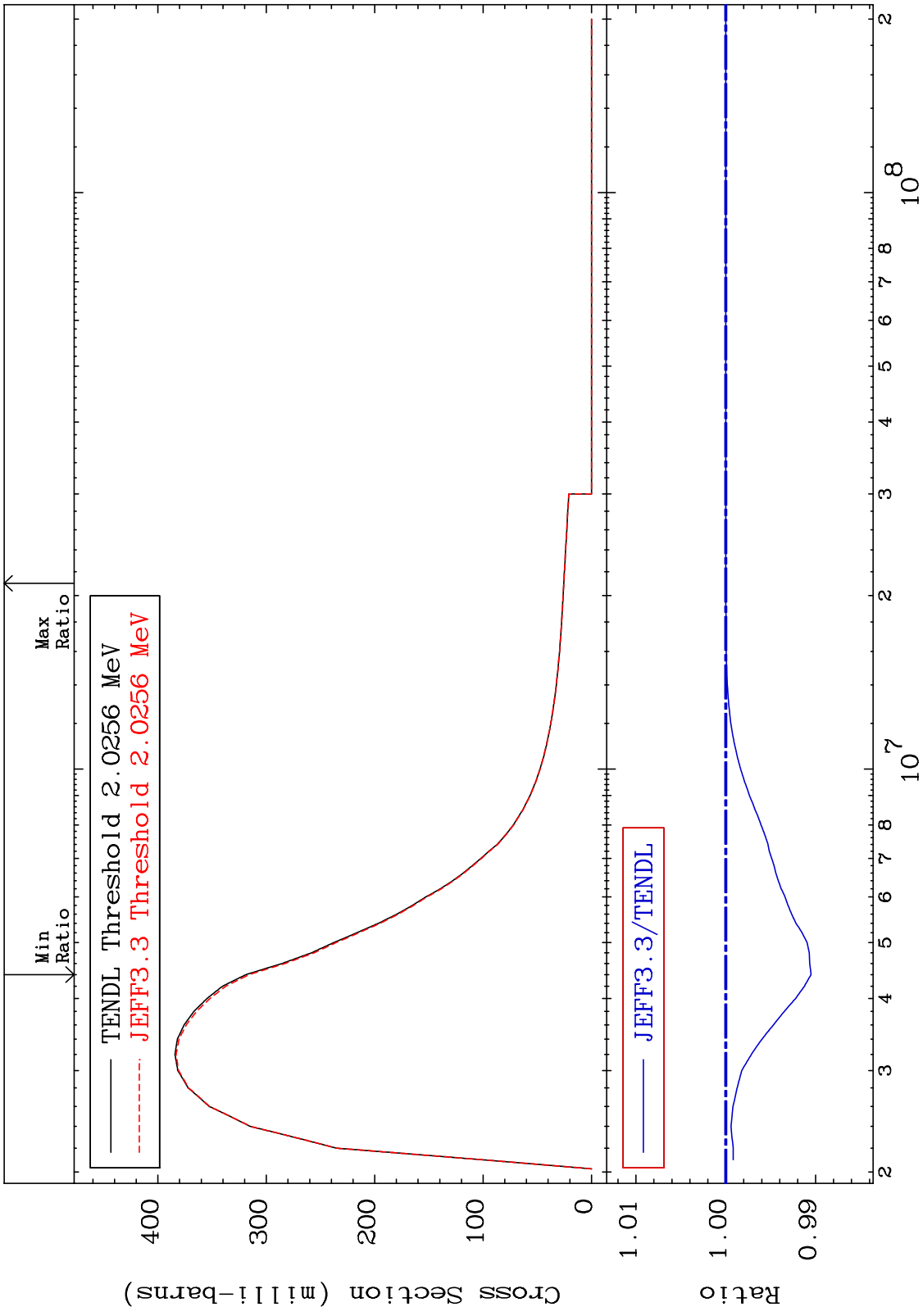


MAT 1825 (n,2n) p 18-Ar-36
Cross Section -0.414 To 0.800 %

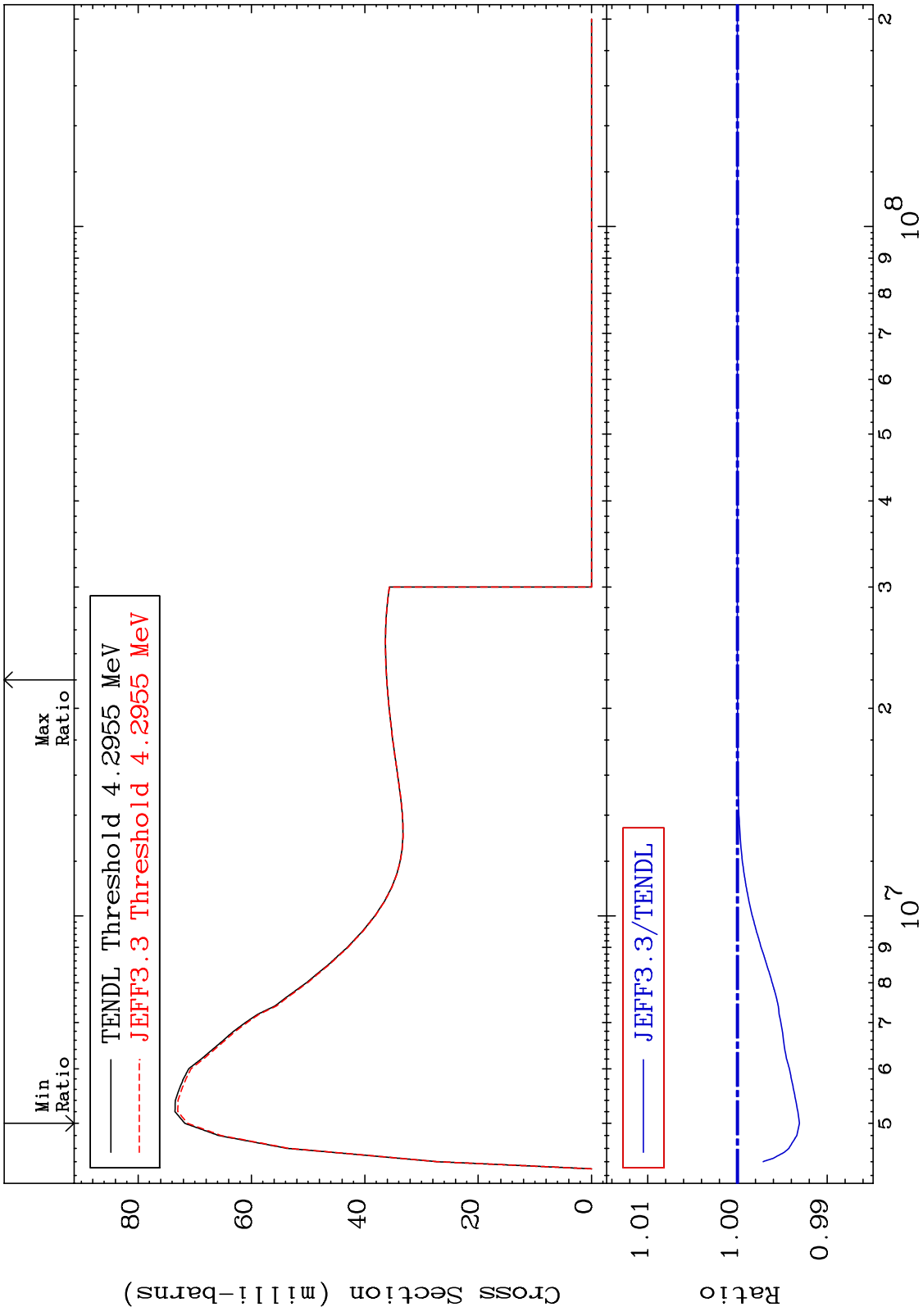




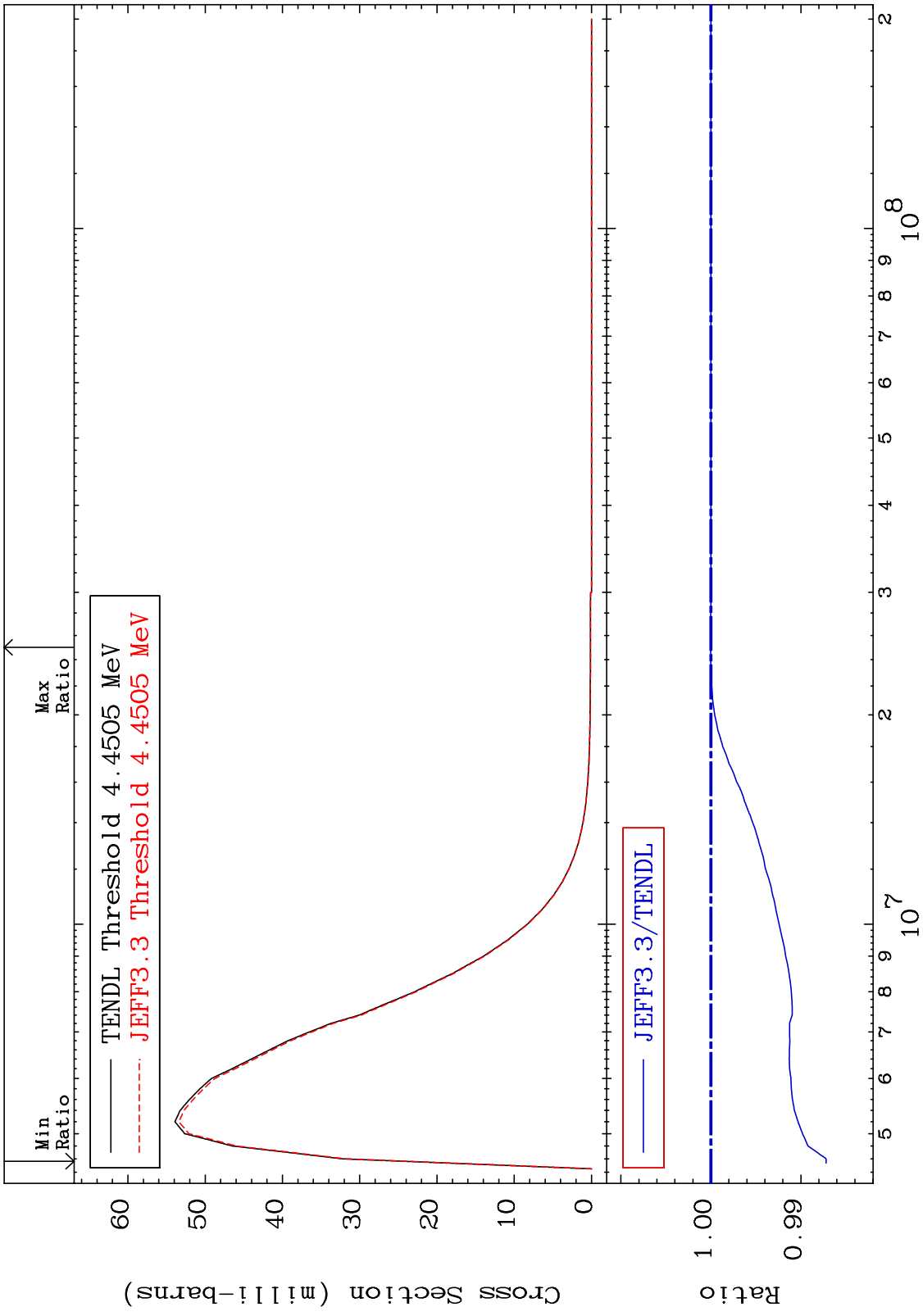
MAT 1825 MT= 51 (n,n') Level Cross Section 18-Ar-36
 -0.950 To 0.000 %



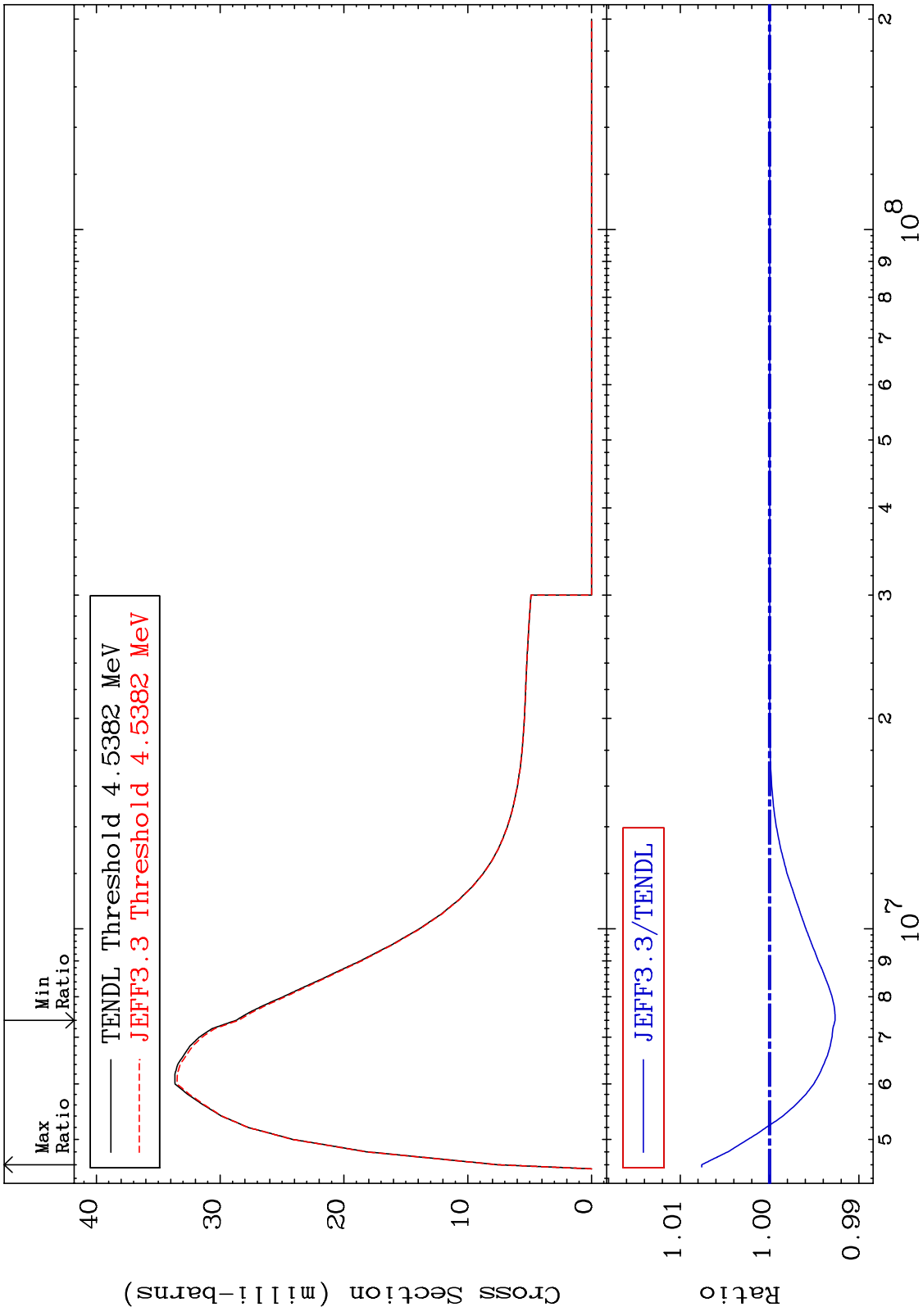
MAT 1825 MT= 52 (n,n') Level Cross Section 18-Ar-36
 -0.691 To 0.000 %



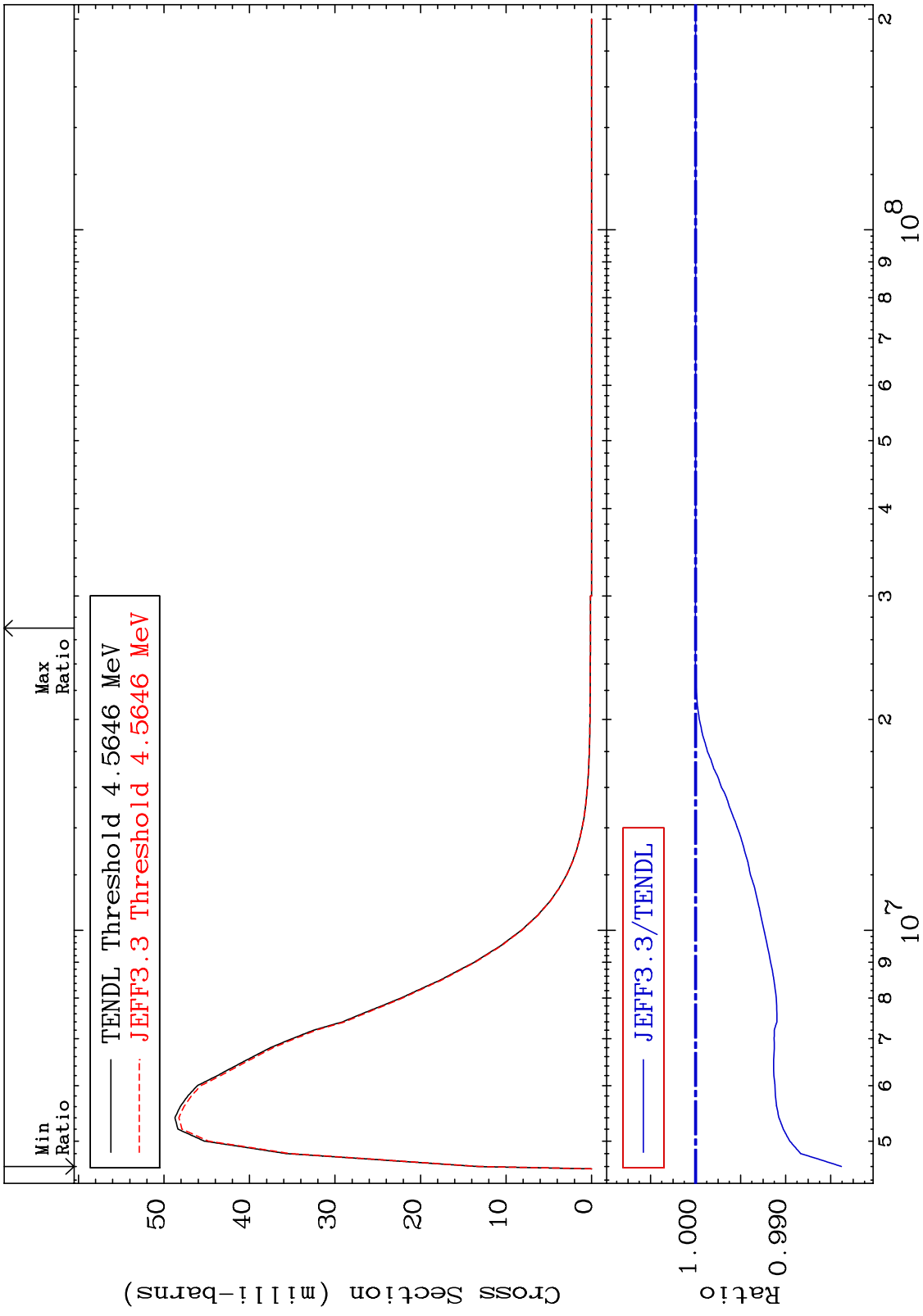
MAT 1825 MT= 53 (n,n') Level Cross Section -1.281 To 0.002 % 18-Ar-36



MAT 1825 MT= 54 (n,n') Level Cross Section -0.733 To 0.759 % 18-Ar-36



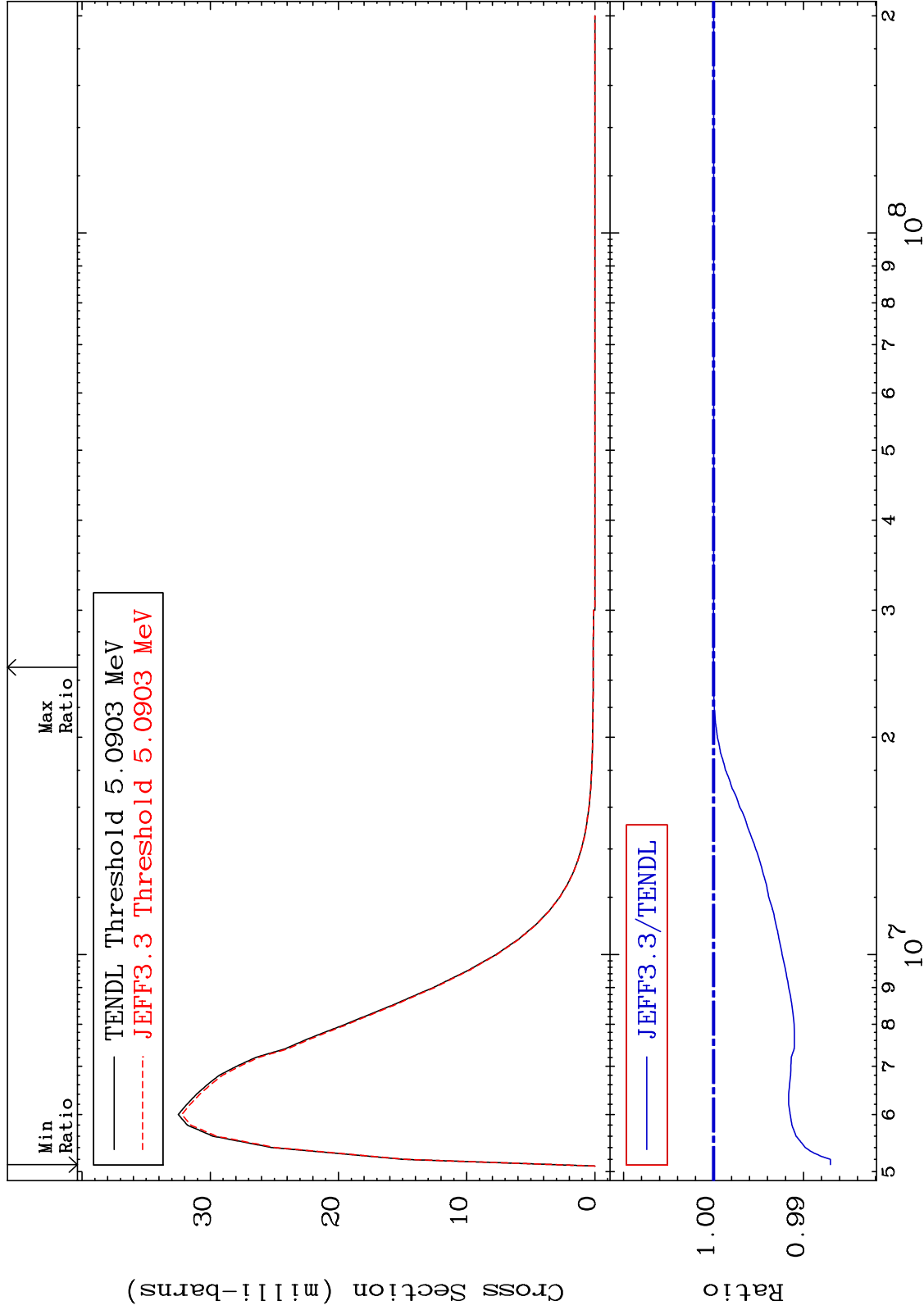
MAT 1825 MT= 55 (n,n') Level Cross Section -1.620 To 0.002 % 18-Ar-36



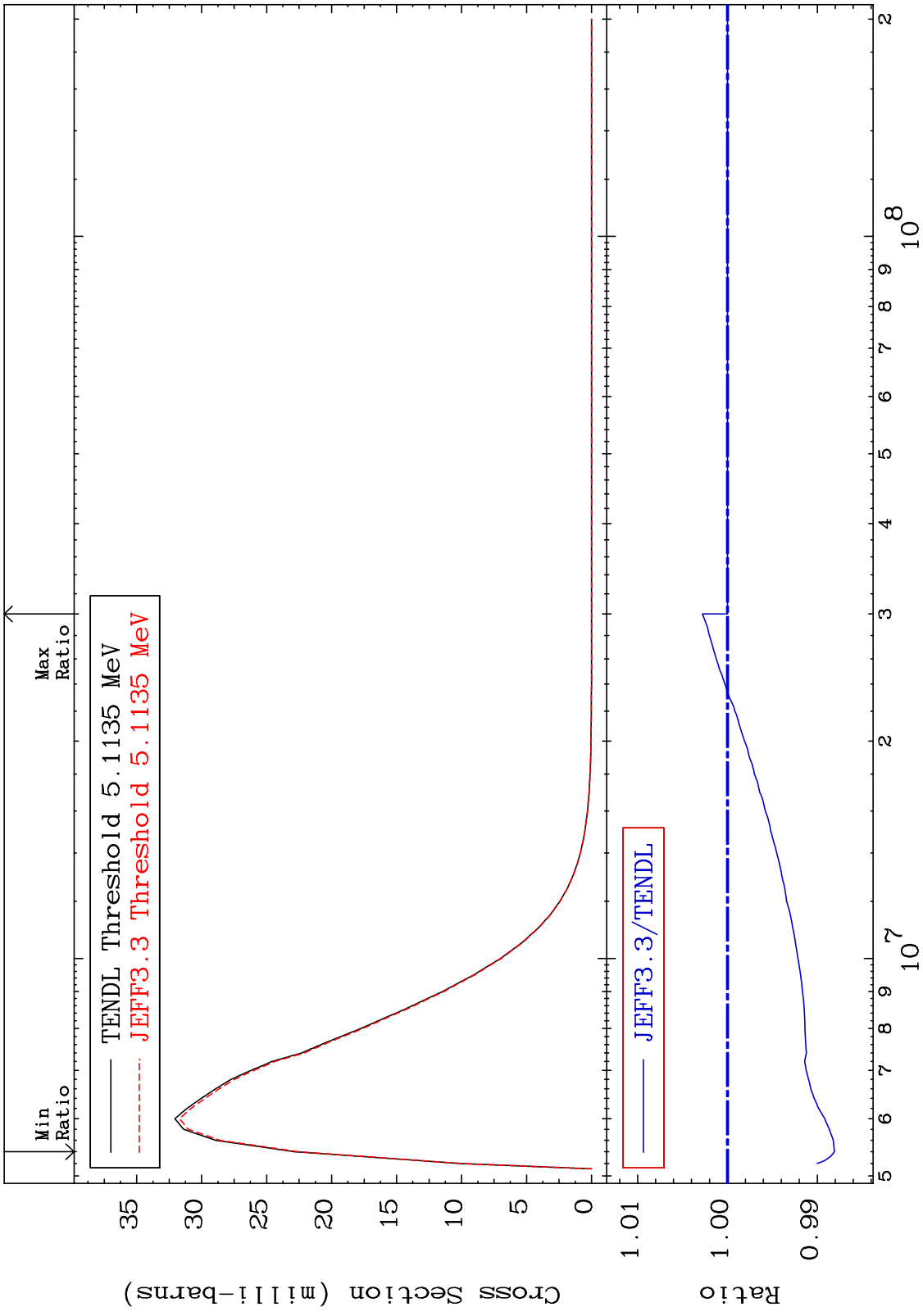
MAT 1825

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

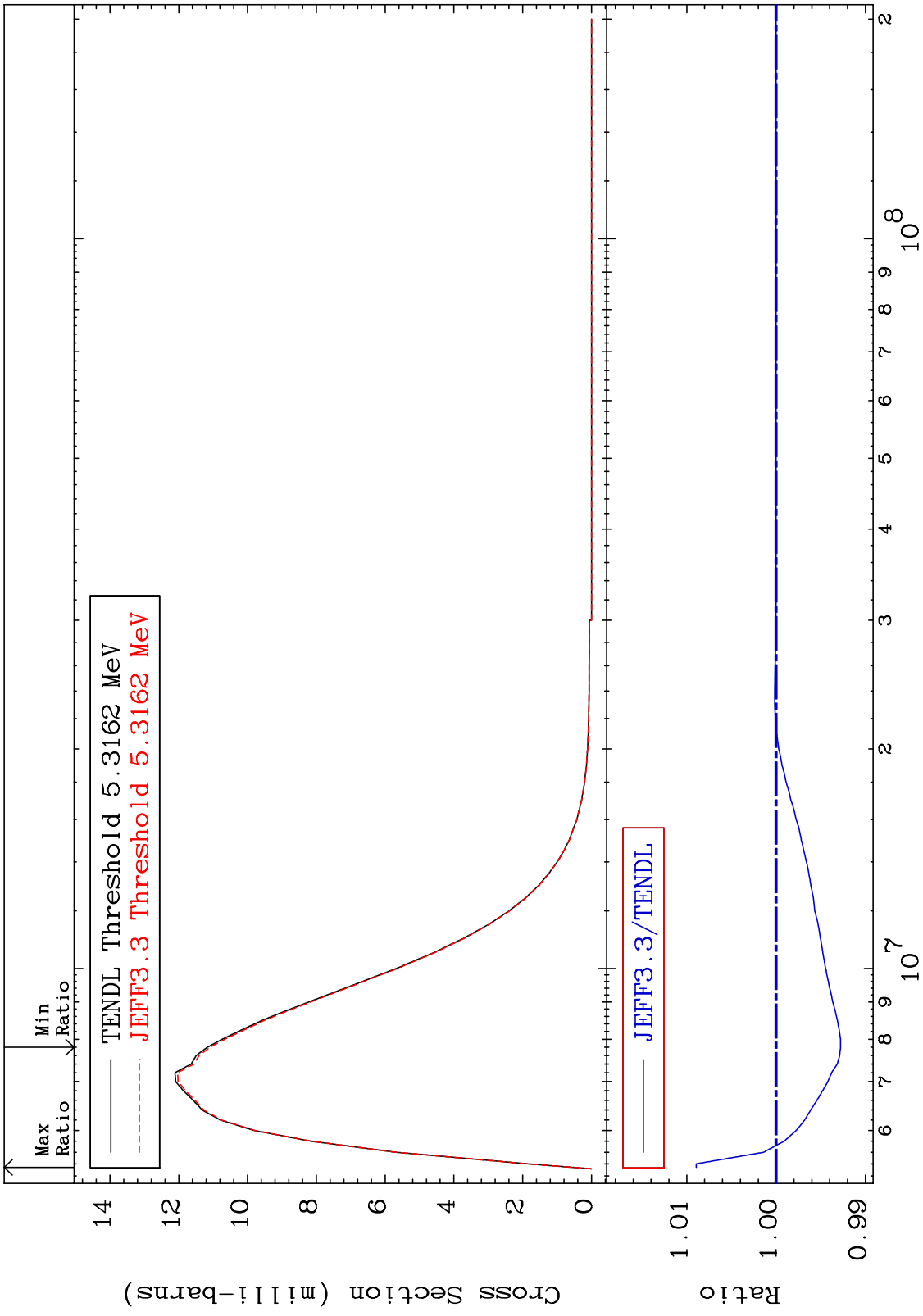
18-Ar-36
-1.298 To 0.002 %



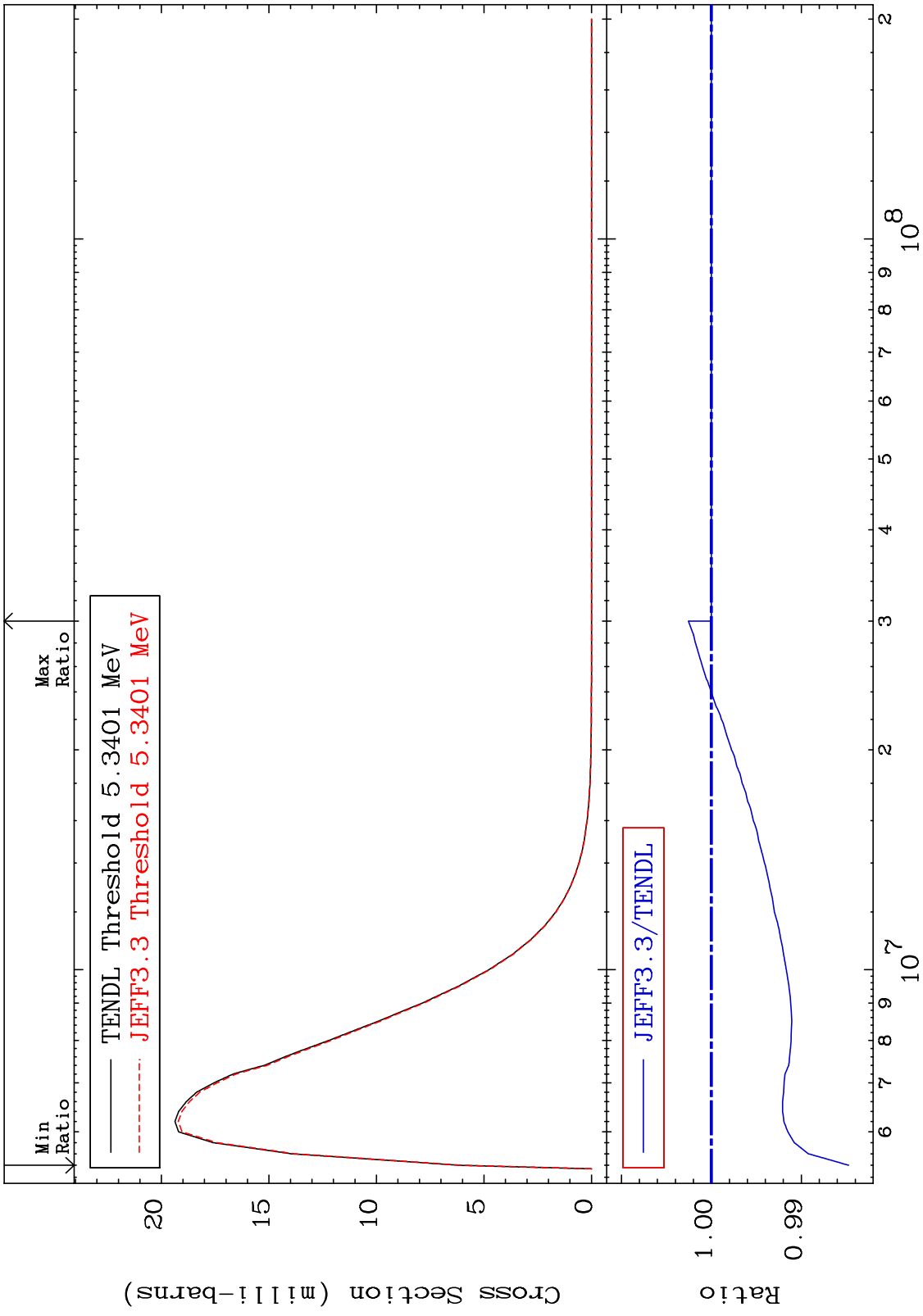
MAT 1825 MT= 57 (n,n') Level Cross Section -1.191 To 0.278 % 18-Ar-36



MAT 1825 MT= 58 (n,n') Level Cross Section -0.722 To 0.894 % 18-Ar-36



MAT 1825 MT= 59 (n,n') Level Cross Section -1.525 To 0.256 % 18-Ar-36

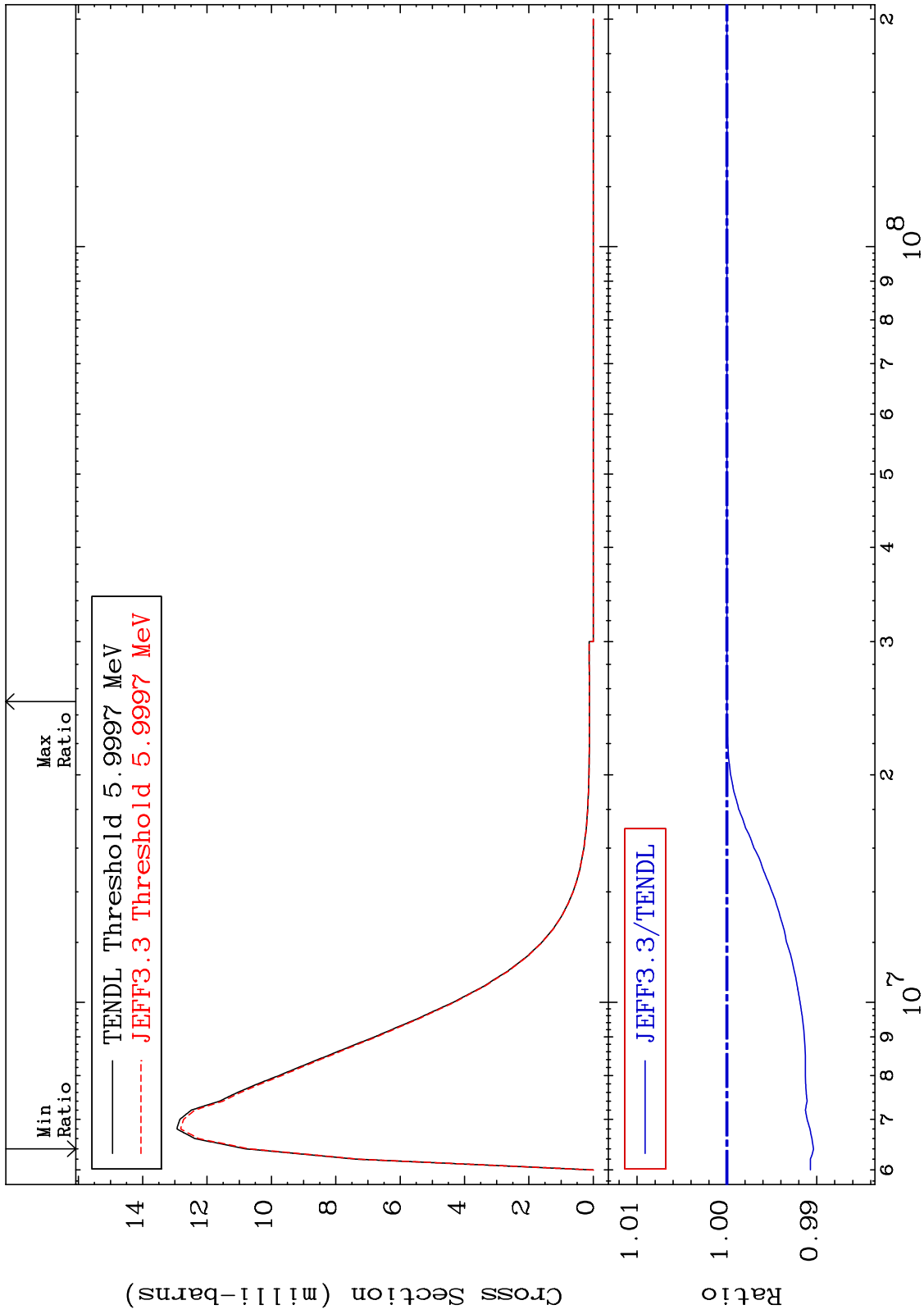


24 18-Ar-36

MAT 1825

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

18-Ar-36
-0.964 To 0.000 %

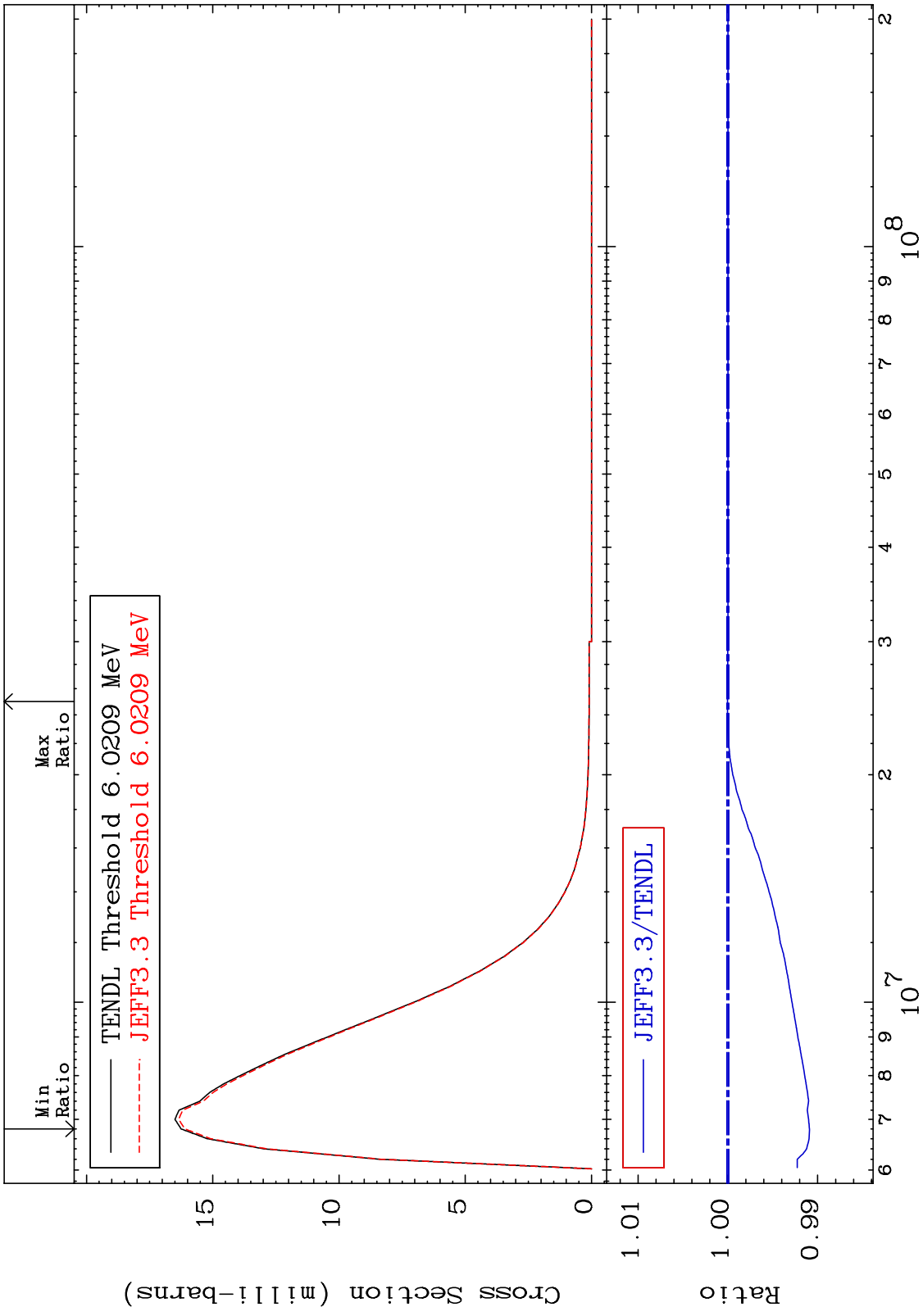


25

Incident Energy (eV)

18-Ar-36

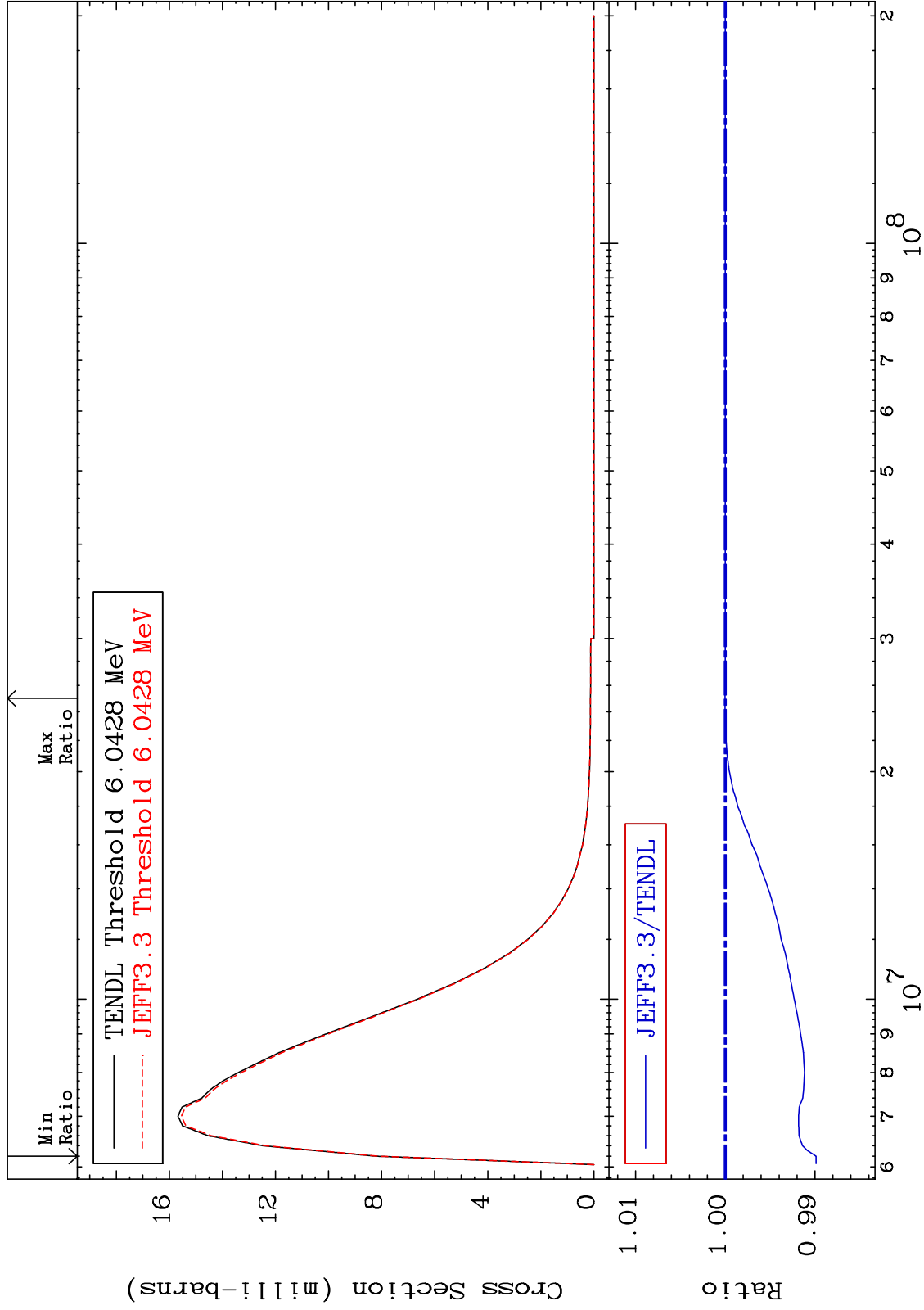
MAT 1825 MT= 61 (n,n') Level Cross Section 18-Ar-36
 -0.909 To 0.005 %



MAT 1825

MT= 62 (n,n') Level
Cross Section

18-Ar-36
-1.011 To 0.002 %

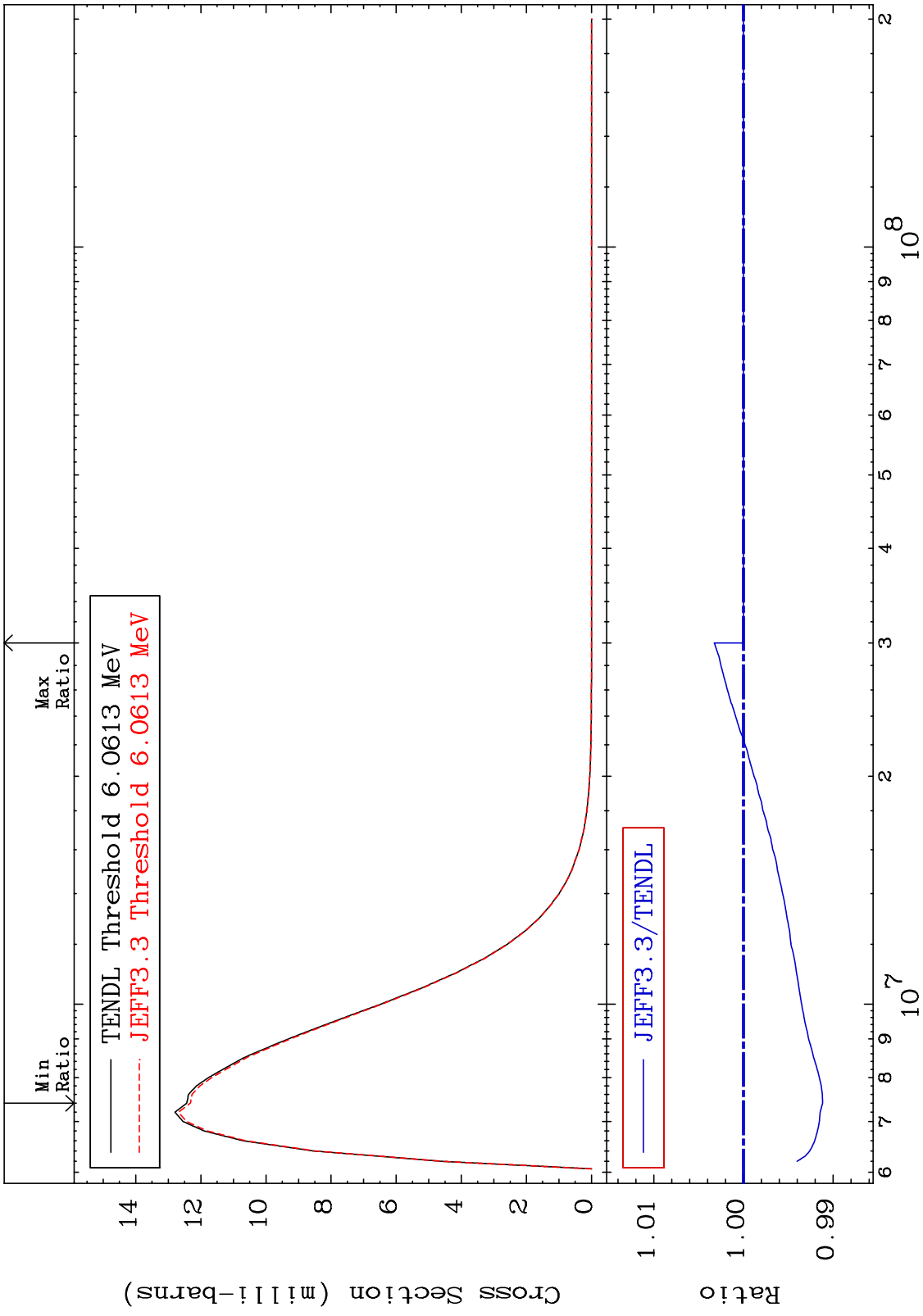


27

Incident Energy (eV)

18-Ar-36

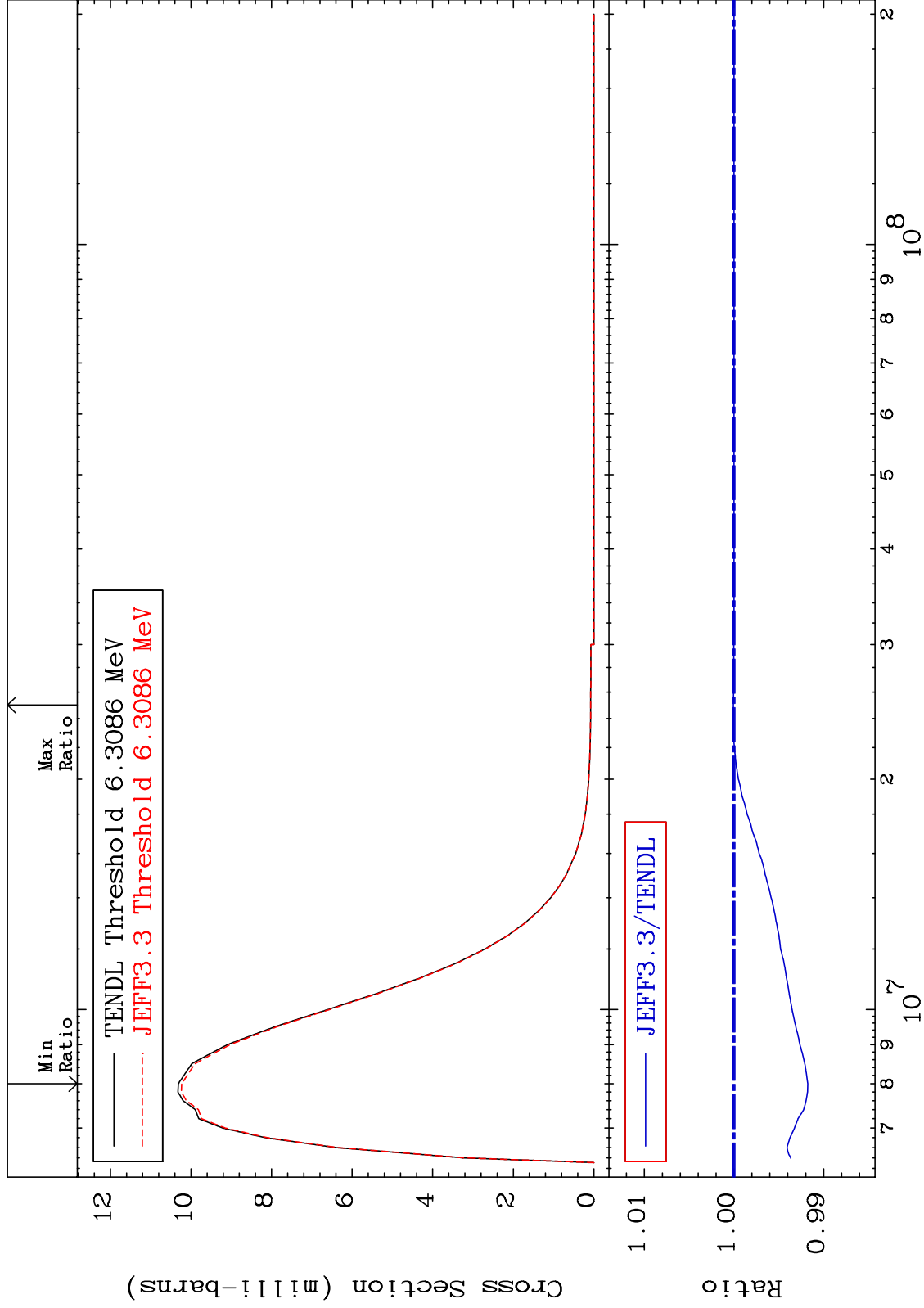
MAT 1825 MT= 63 (n,n') Level Cross Section -0.882 To 0.327 % 18-Ar-36



MAT 1825

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

18-Ar-36
-0.822 To 0.008 %

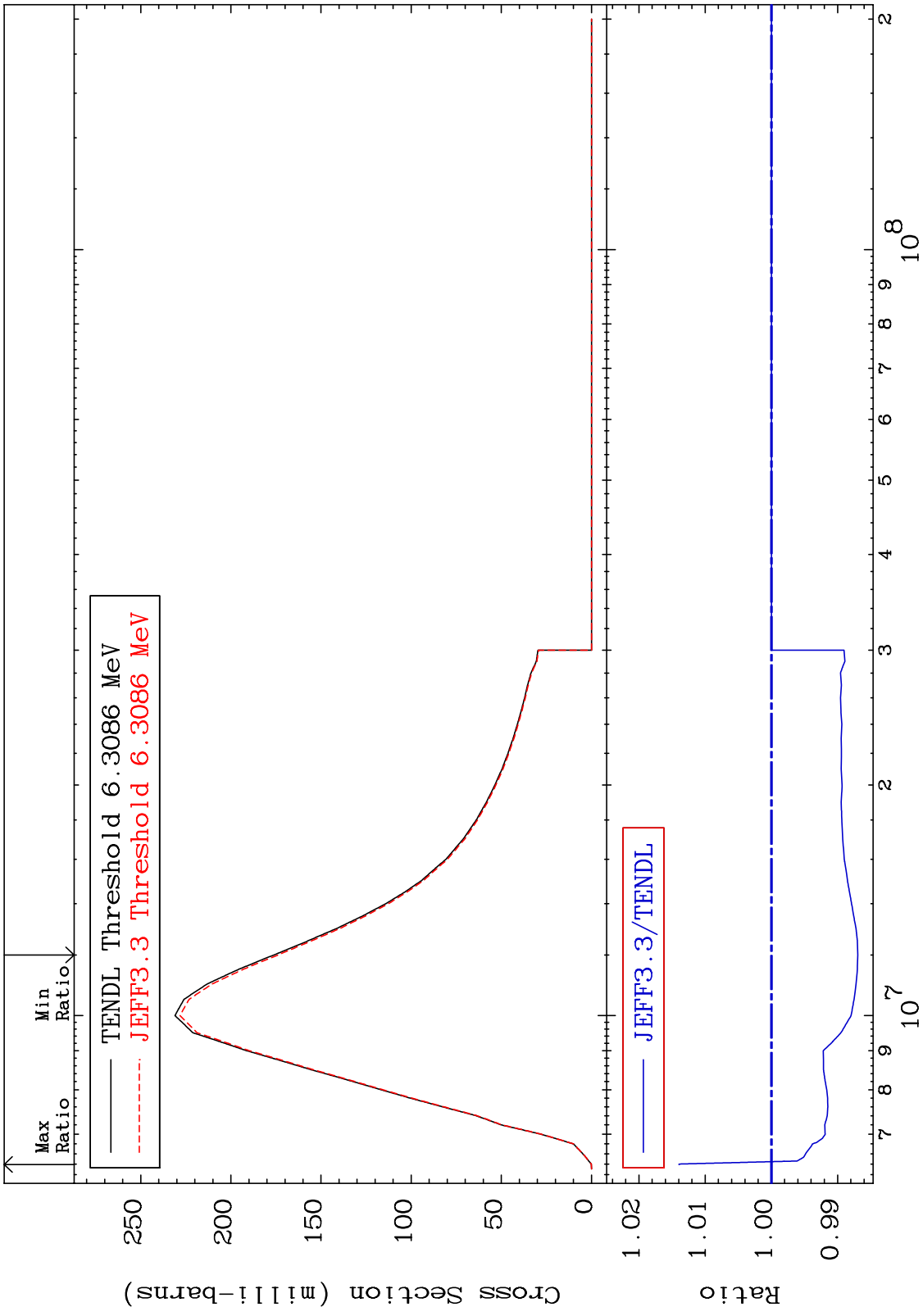


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Incident Energy (eV)

18-Ar-36

MAT 1825 (n,n') Continuum Cross Section 18-Ar-36
 -1.306 To 1.394 %



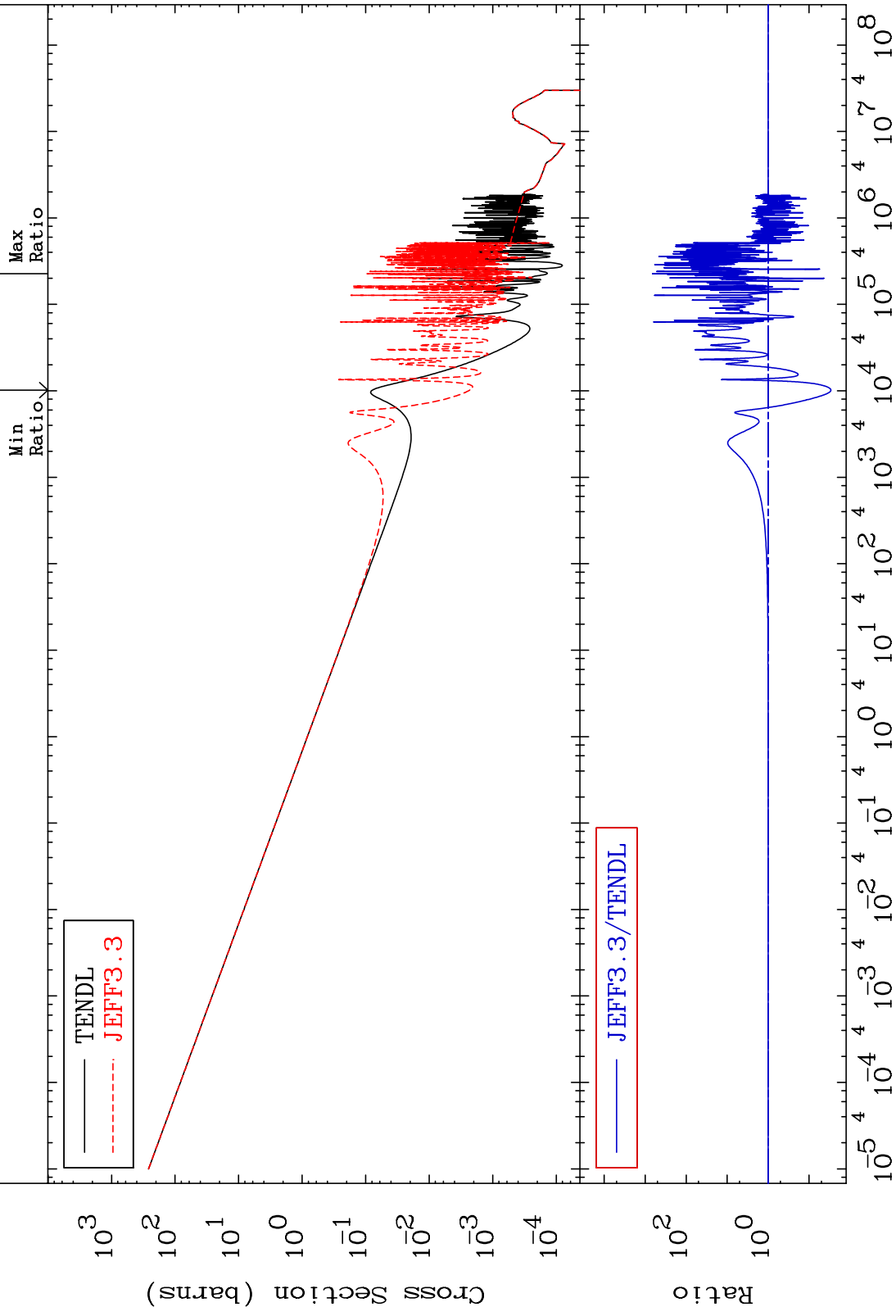
MAT 1825

(n, γ)

18-Ar-36

Cross Section

-97.06 To 9999. %



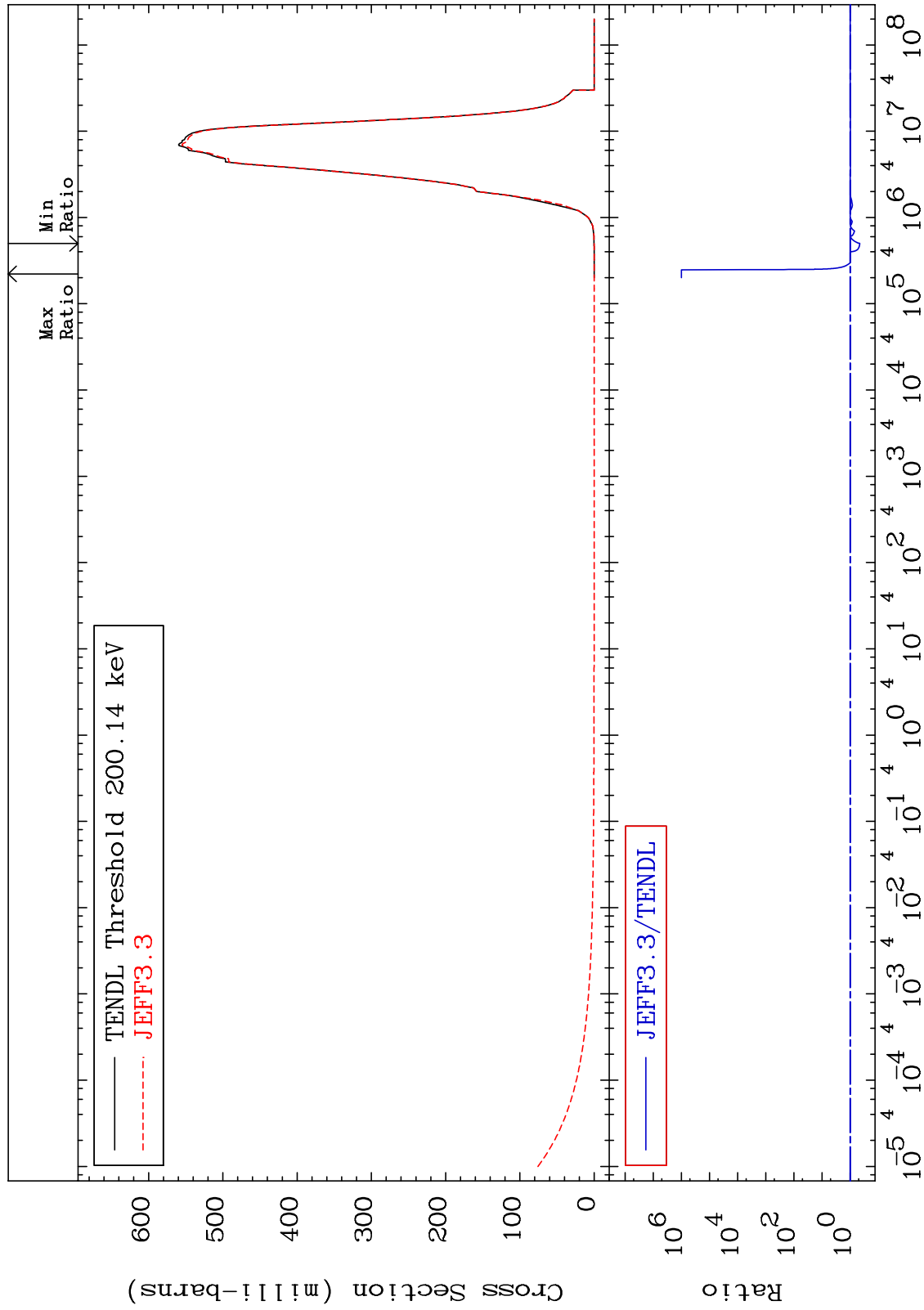
MAT 1825

(n,p)

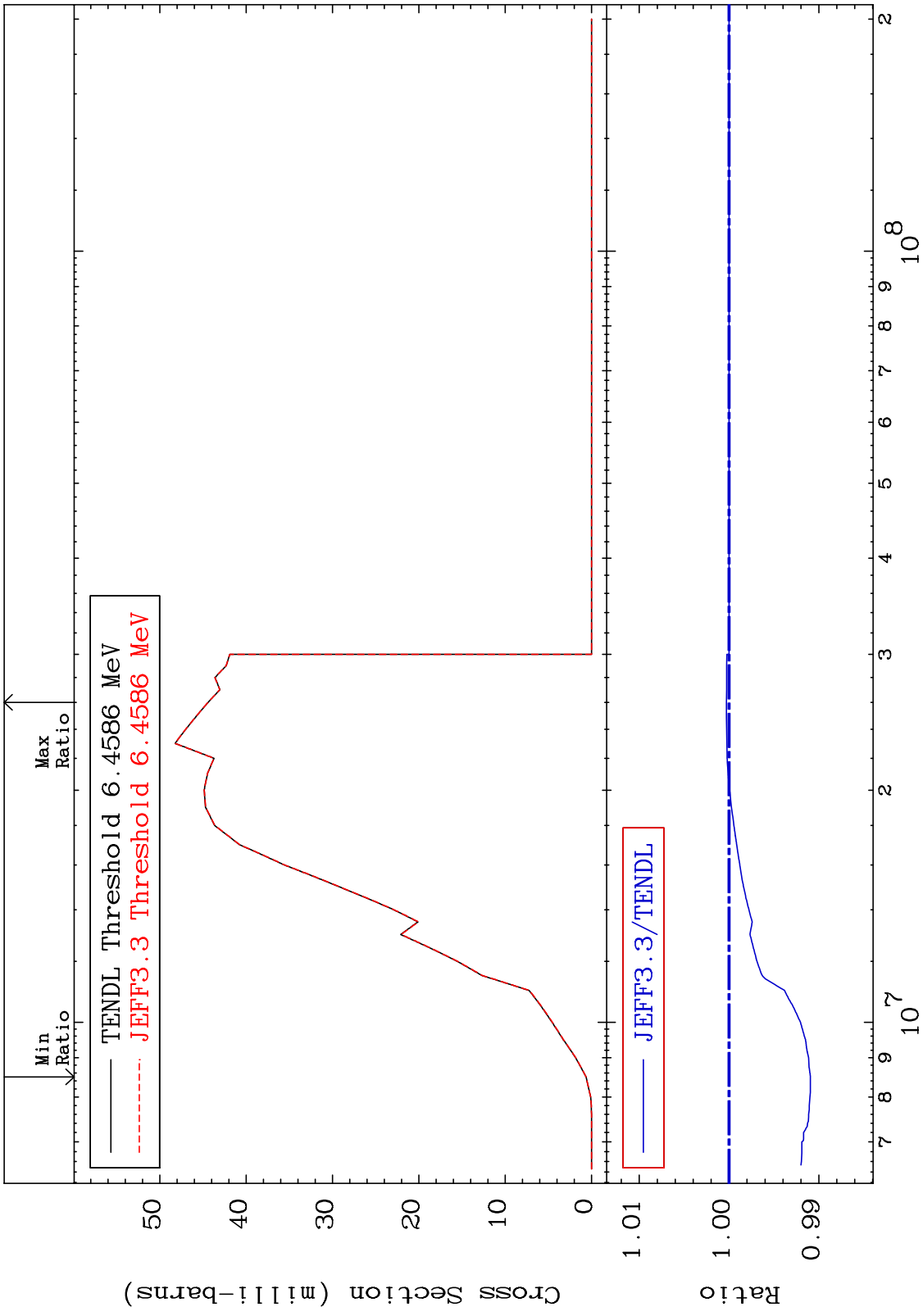
18-Ar-36

Cross Section

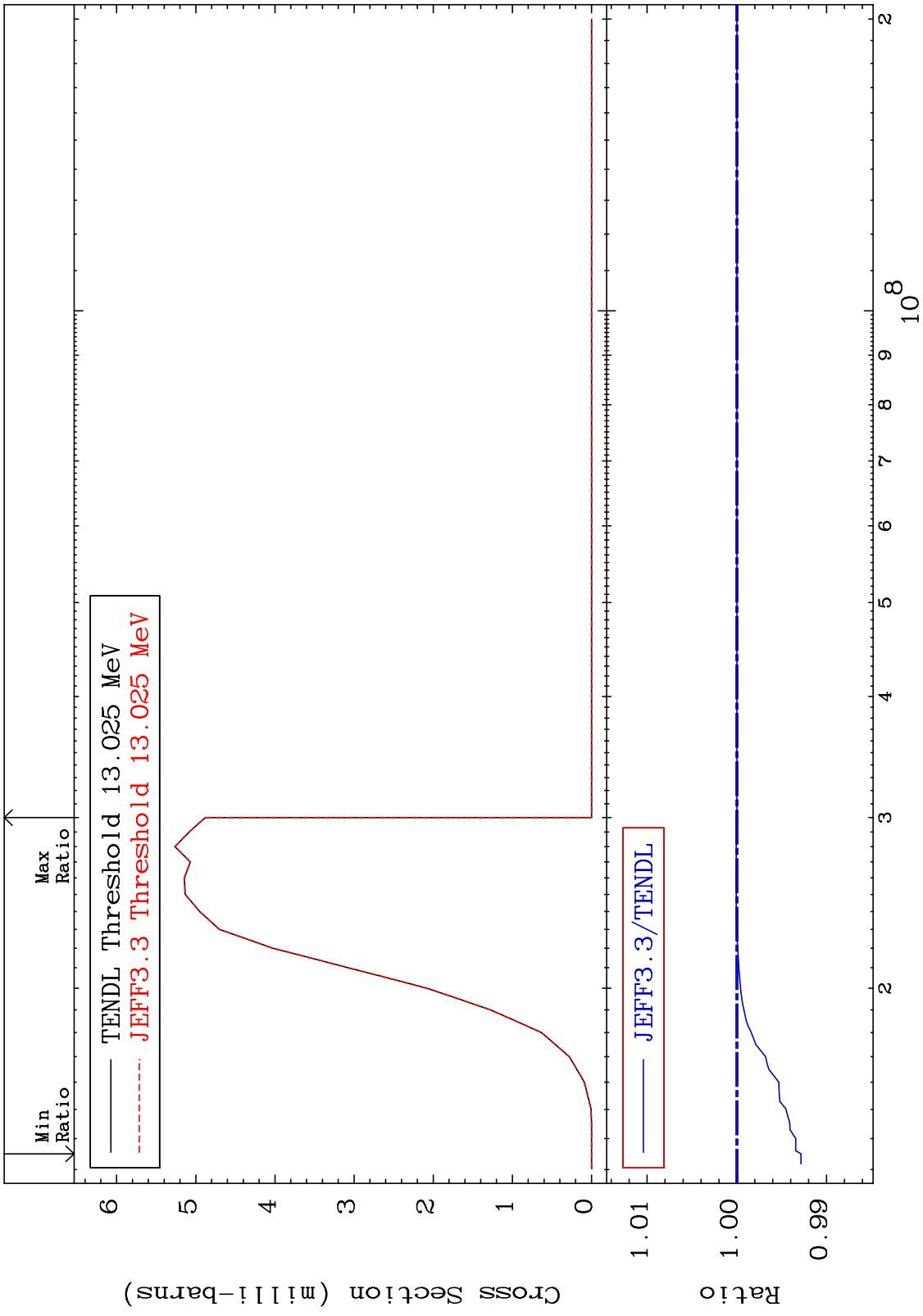
-54.23 To 9999. %



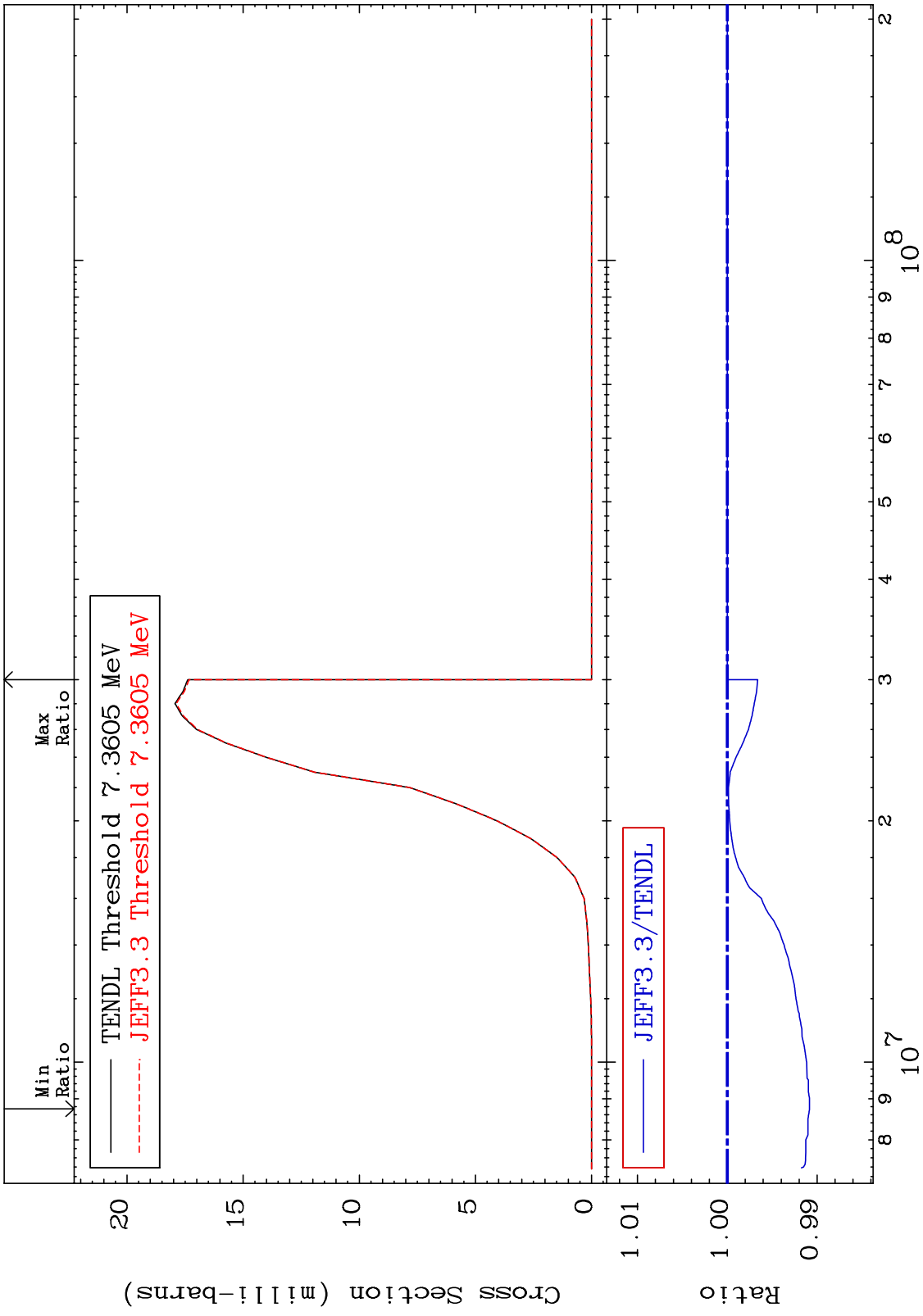
MAT 1825 (n,d) Cross Section 18-Ar-36 -0.906 To 0.029 %



33 18-Ar-36



MAT 1825 (n, He-3) 18-Ar-36
Cross Section -0.916 To 0.000 %



35 18-Ar-36

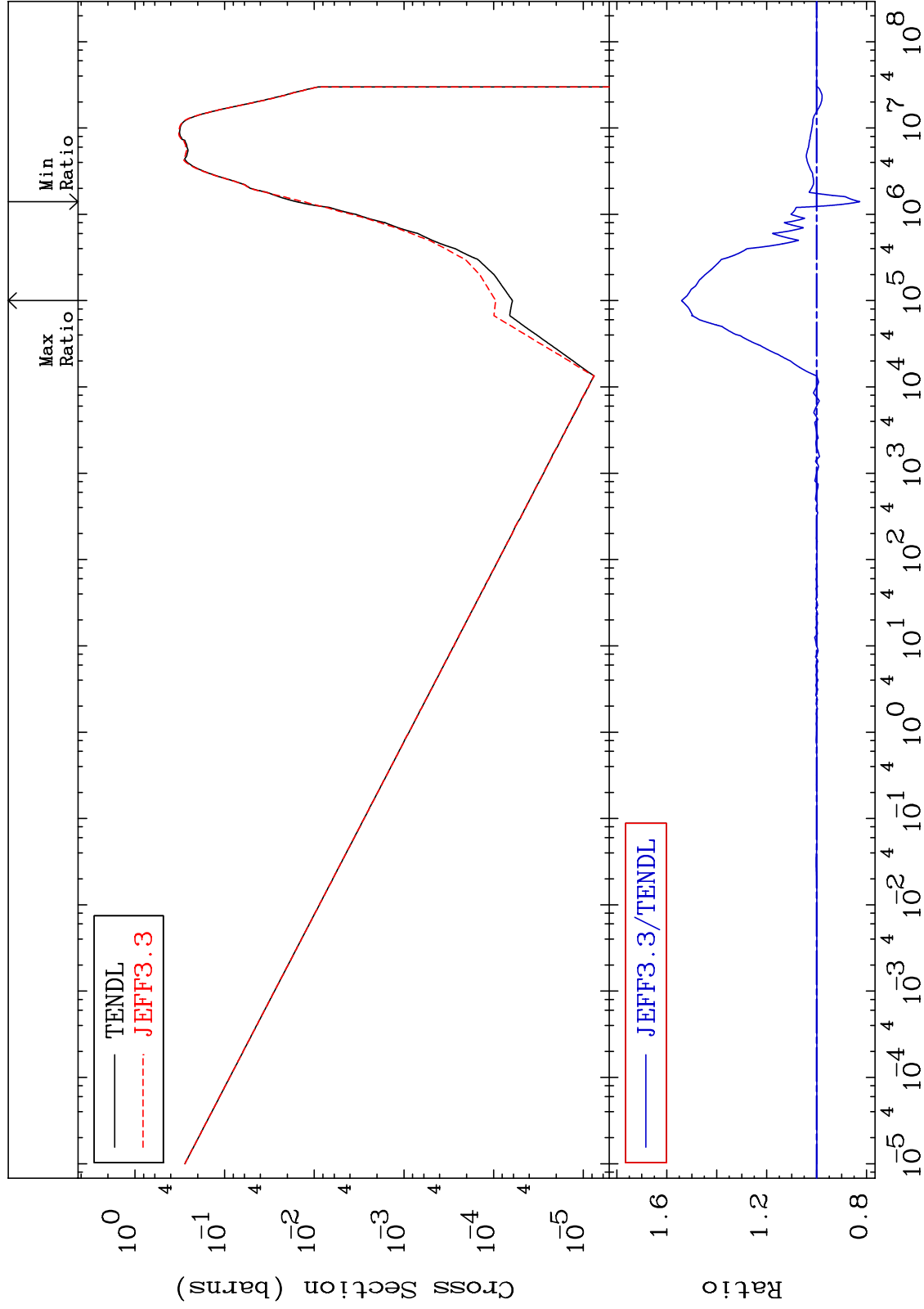
MAT 1825

(n, α)

18-Ar-36

Cross Section

-17.27 To 54.12 %

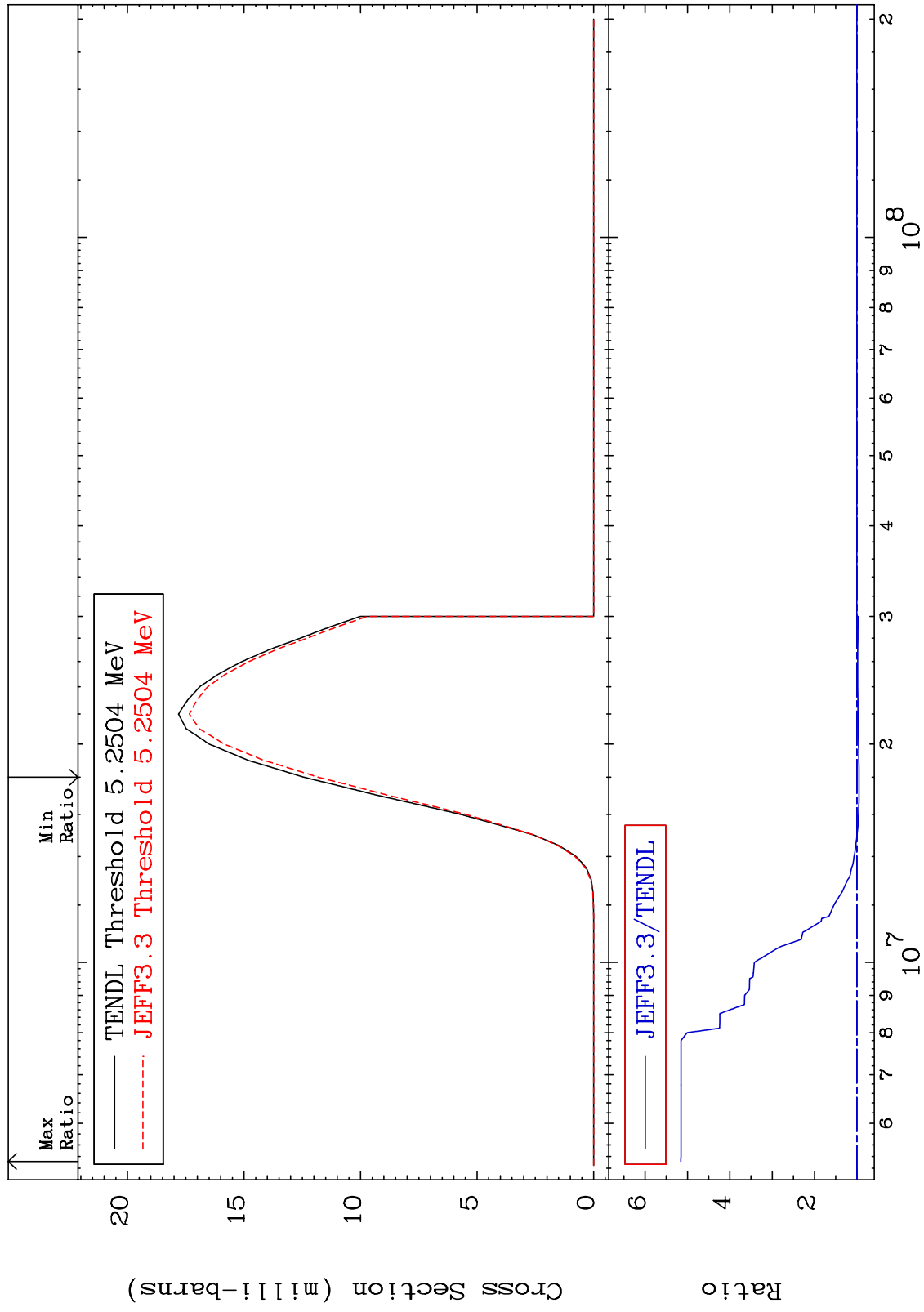


36

Incident Energy (eV)

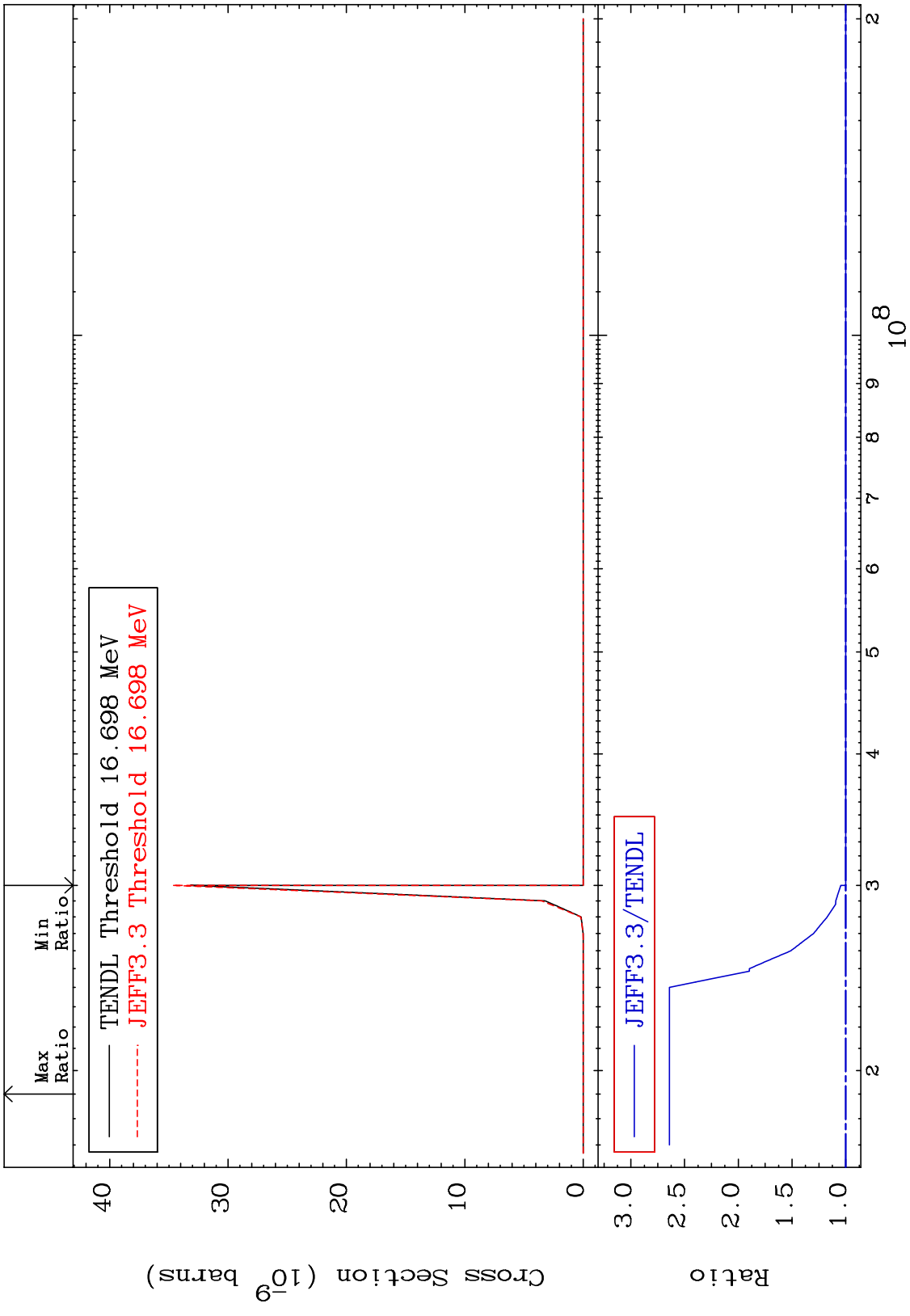
18-Ar-36

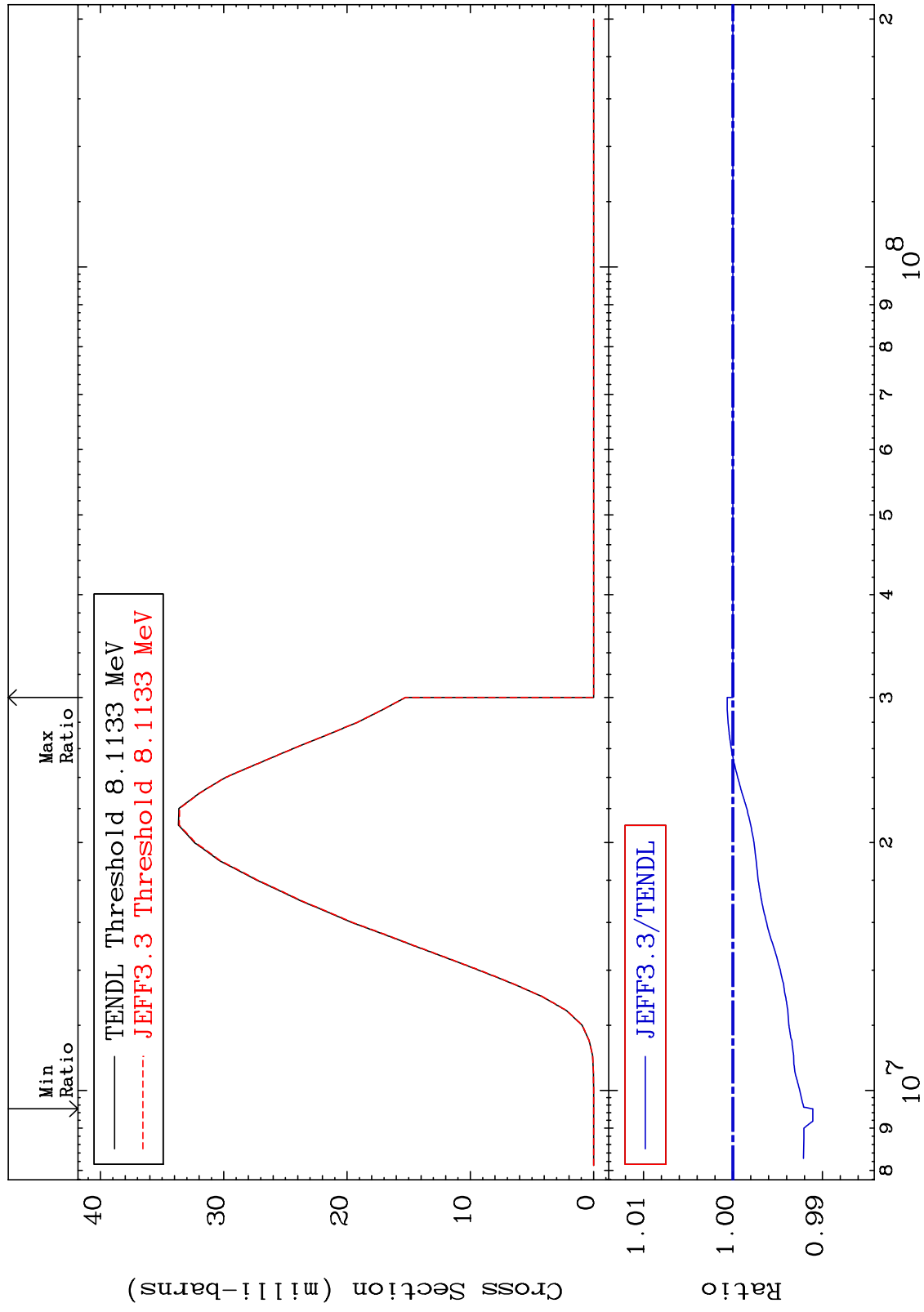
MAT 1825 (n,2α) Cross Section 18-Ar-36
-5.029 To 415.6 %



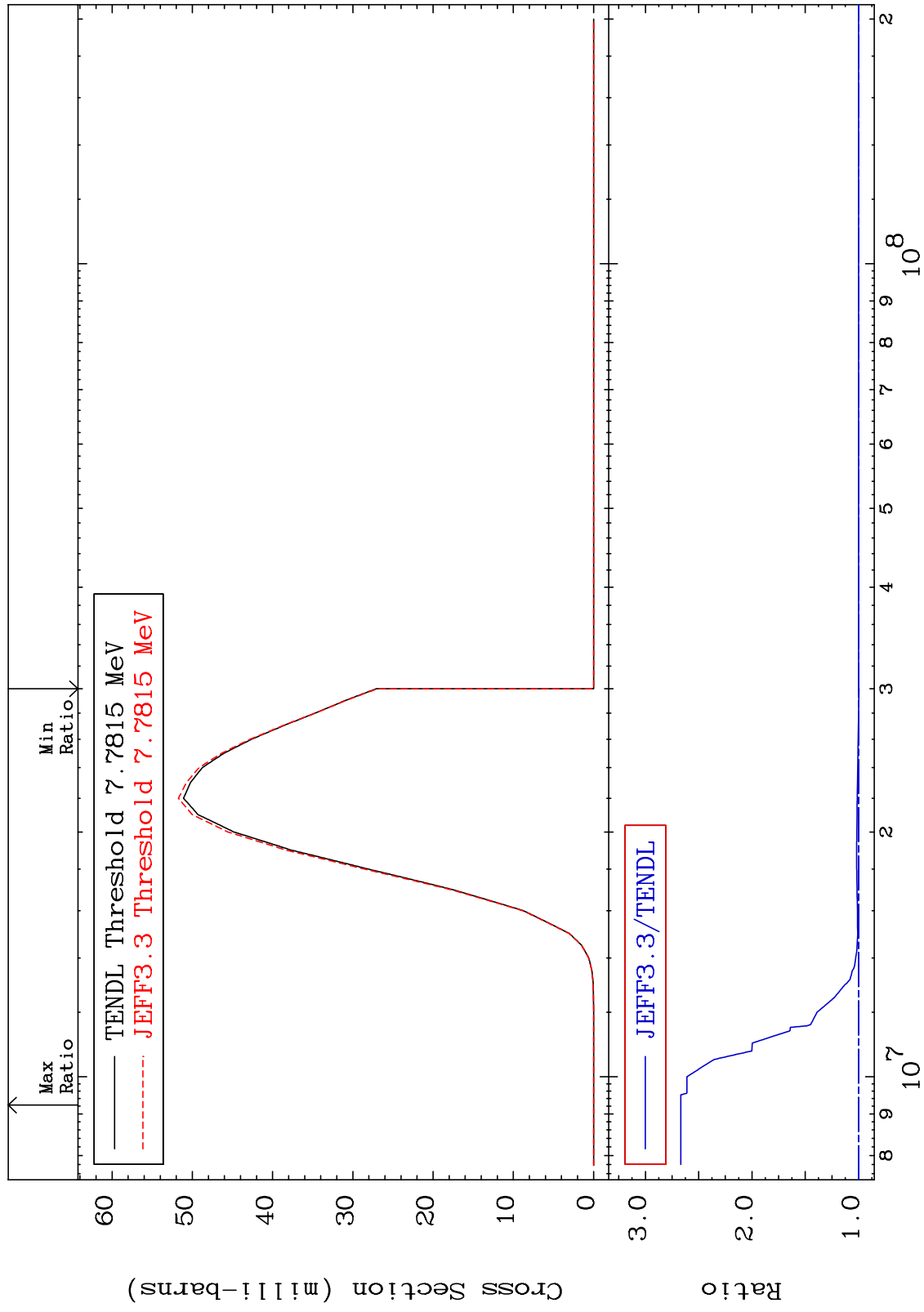
37 18-Ar-36

MAT 1825 $(n, 3\alpha)$ 18-Ar-36
 Cross Section 0.000 To 164.1 %

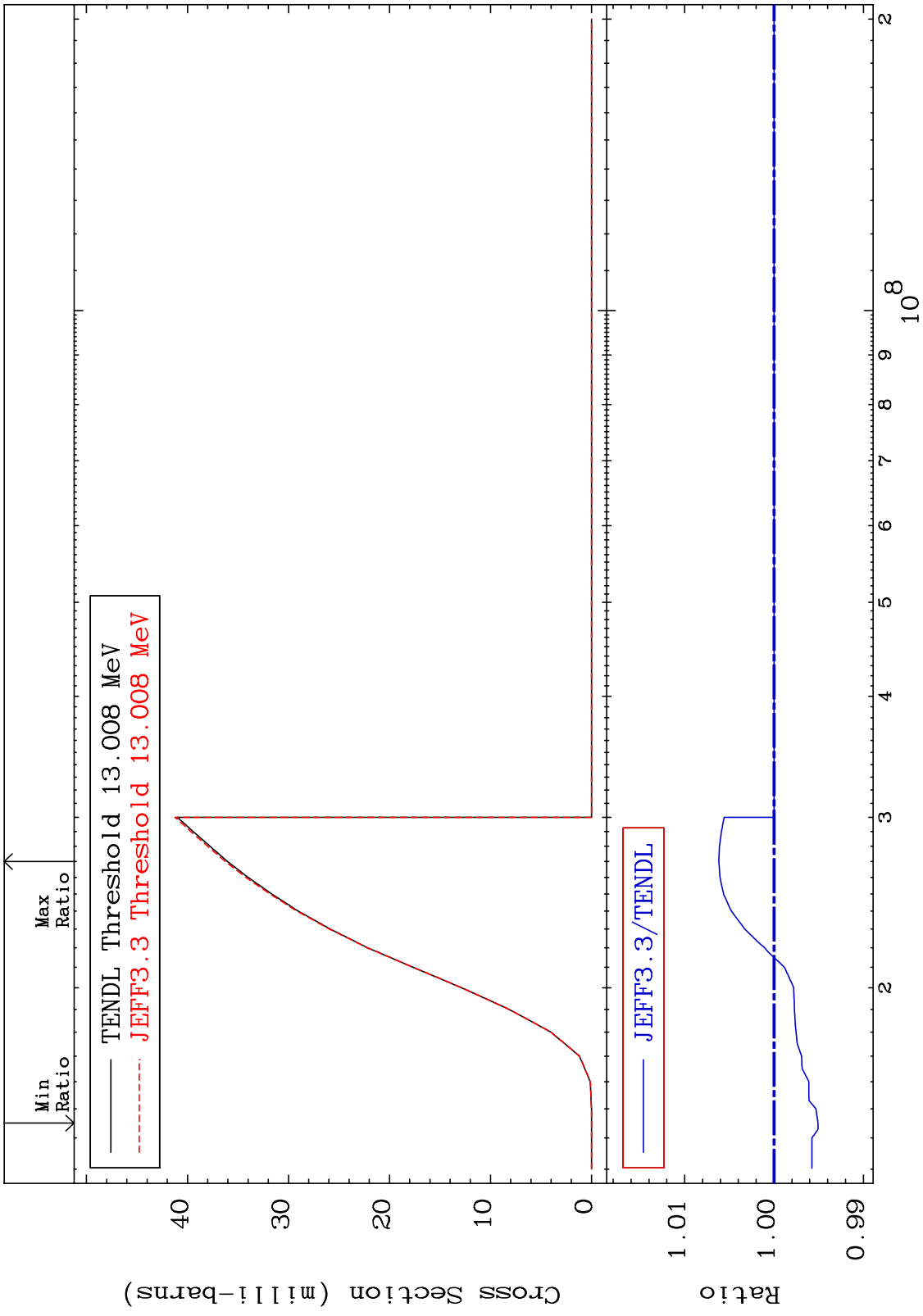


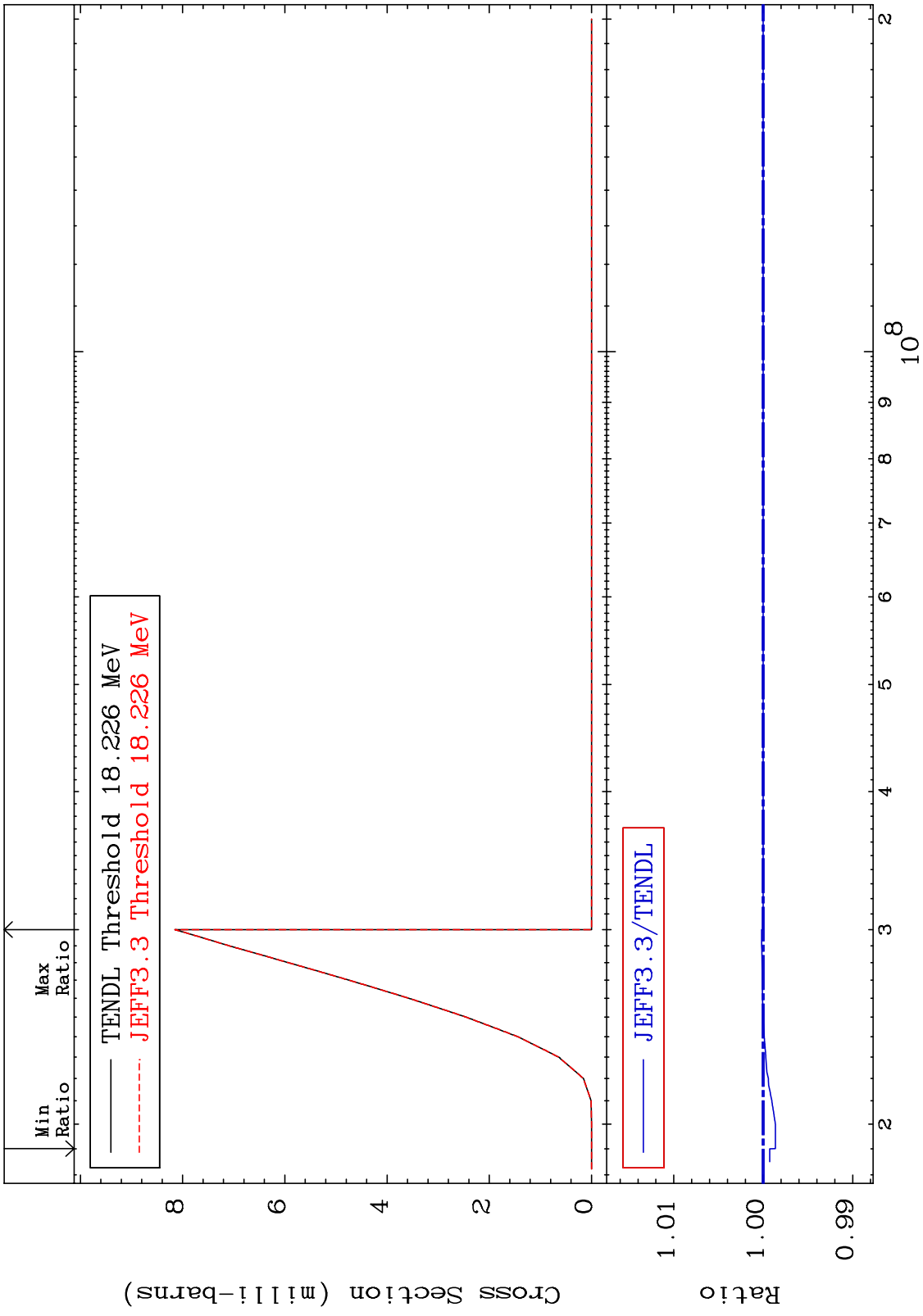


MAT 1825 (n,p) α 18-Ar-36
Cross Section -0.495 To 166.7 %

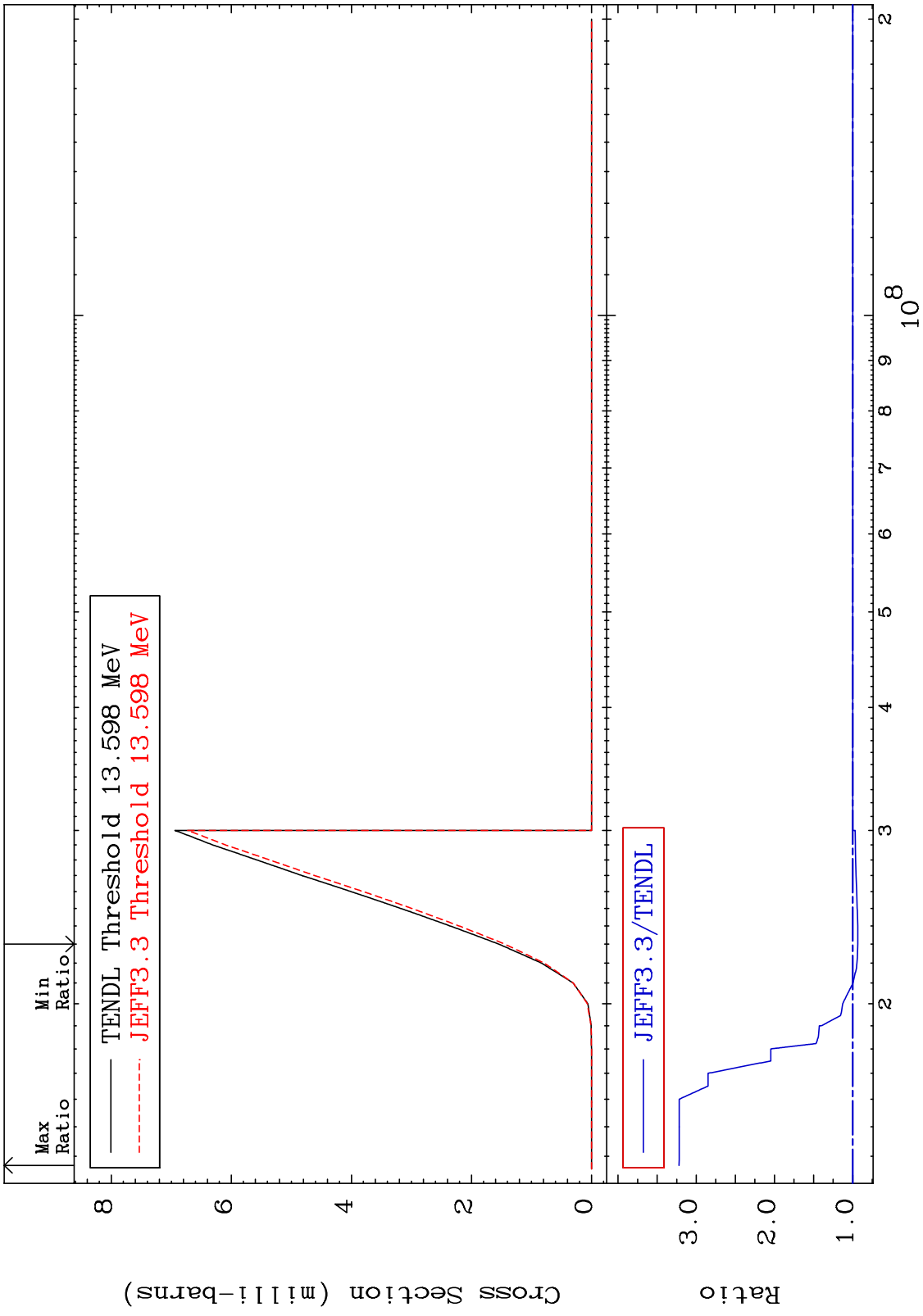


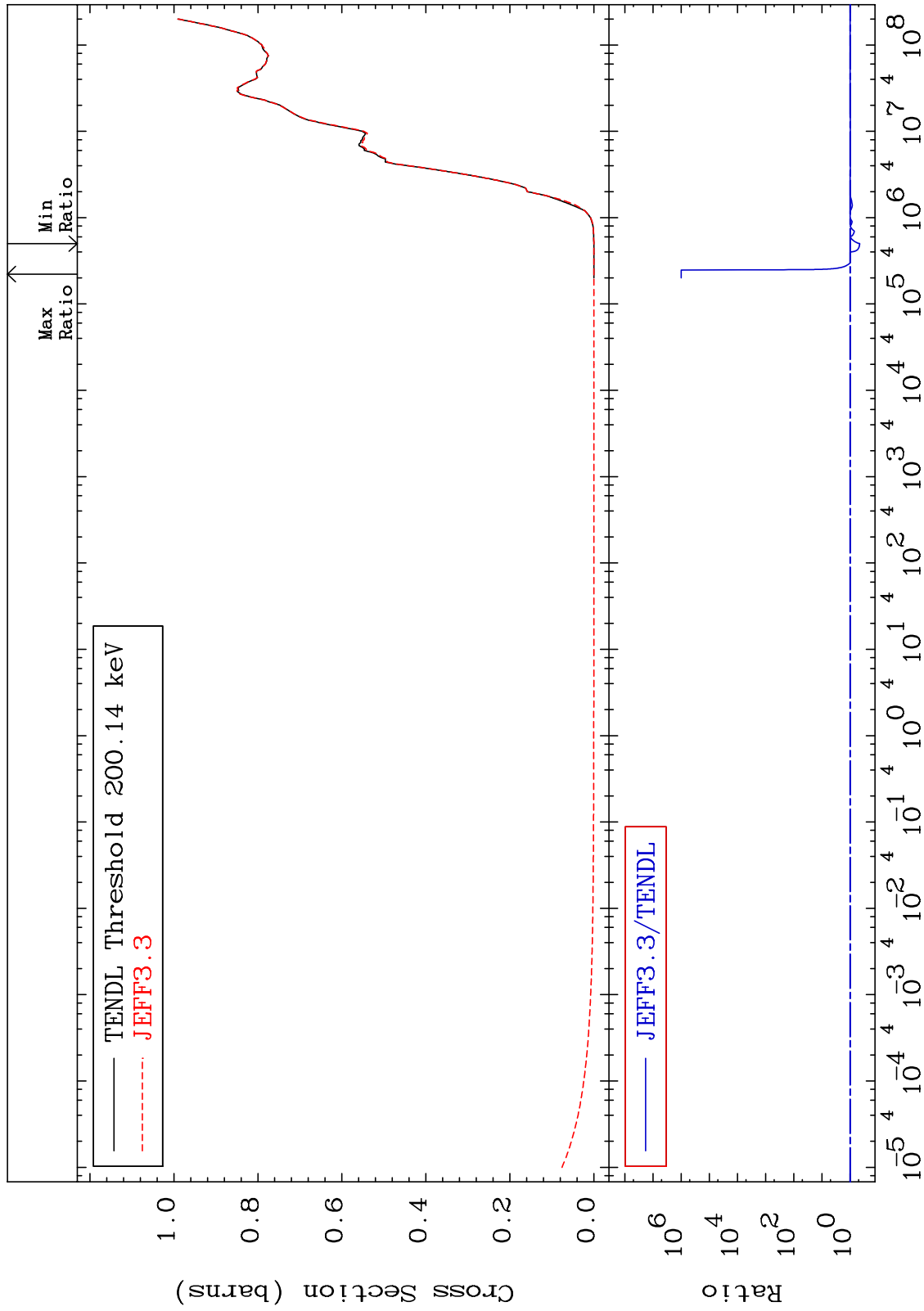
40 18-Ar-36



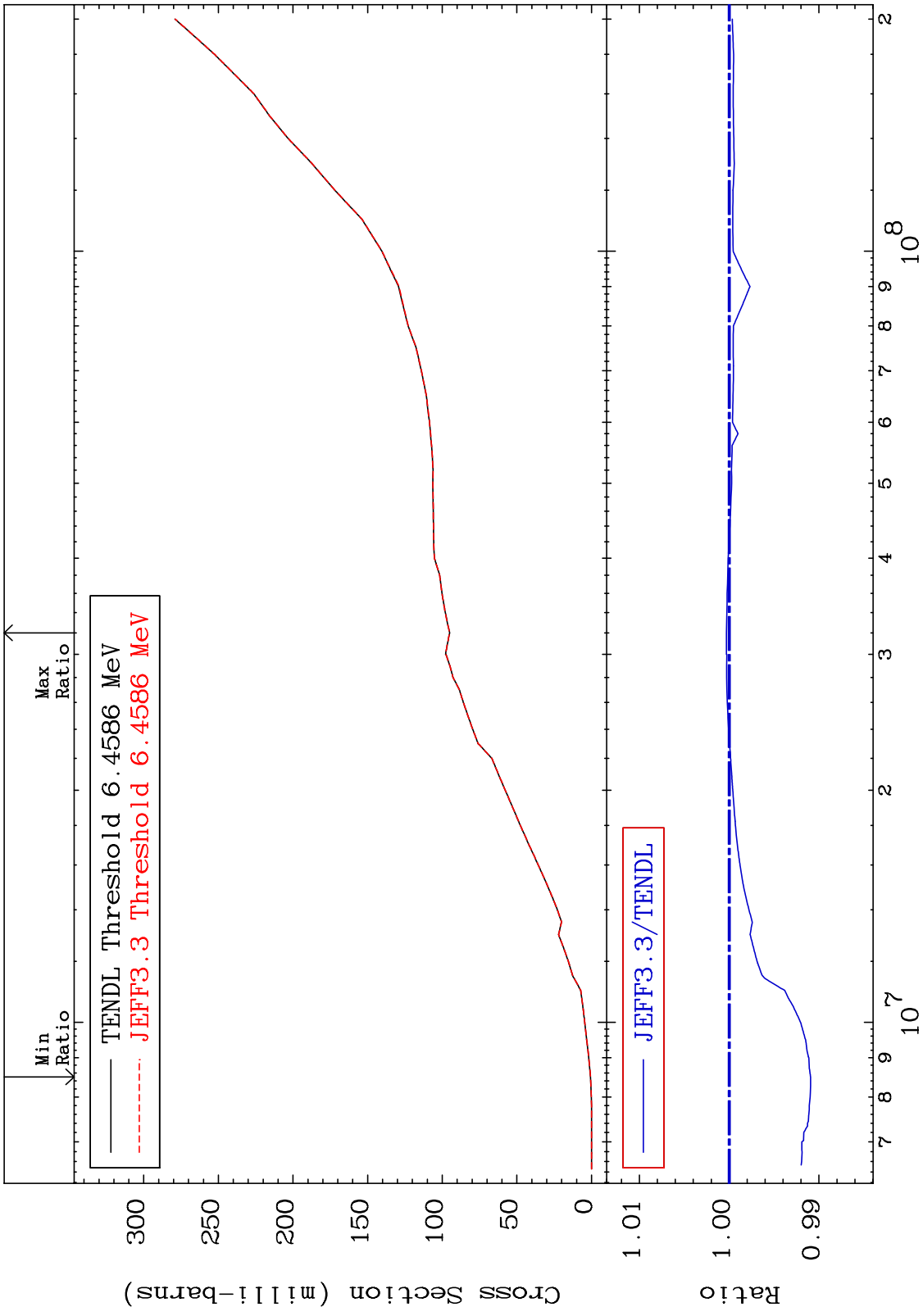


MAT 1825 (n,d) α 18-Ar-36
 Cross Section -6.561 To 222.0 %



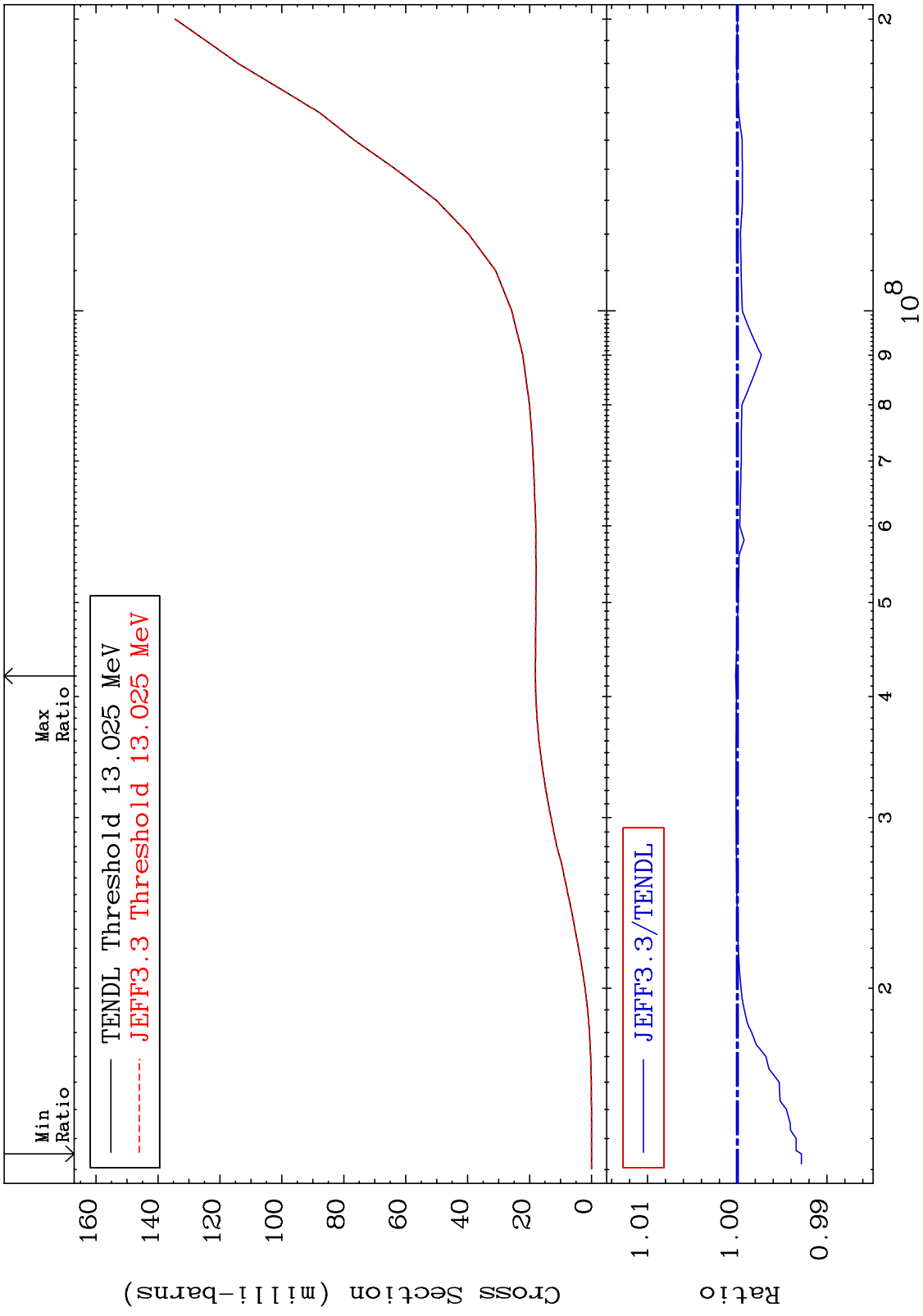


MAT 1825 Deuterium Production Cross Section 18-Ar-36 -0.906 To 0.032 %

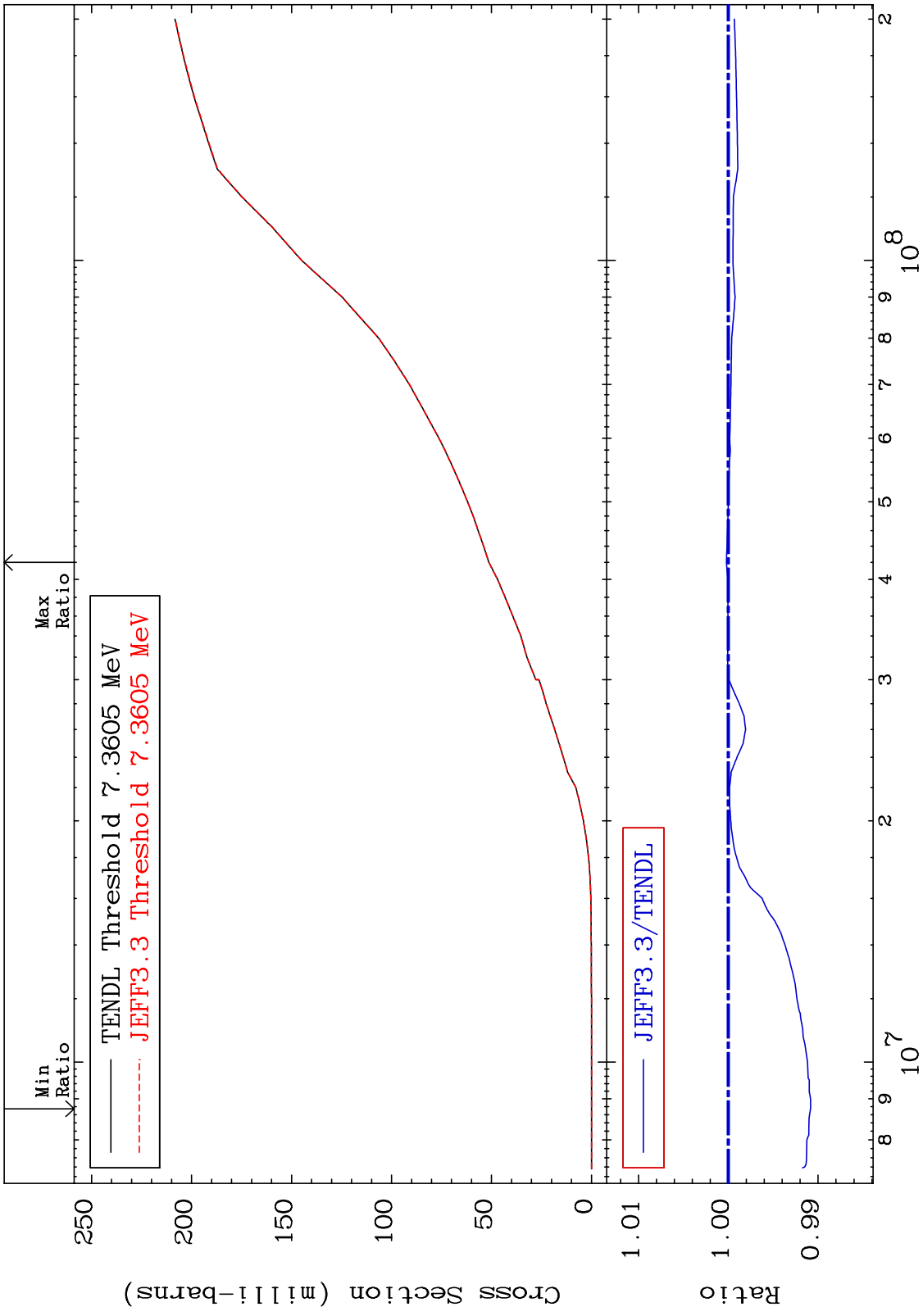


45 18-Ar-36

MAT 1825 Tritium Production Cross Section 18-Ar-36
 -0.714 To 0.019 %



MAT 1825 He-3 Production Cross Section 18-Ar-36
 -0.916 To 0.021 %

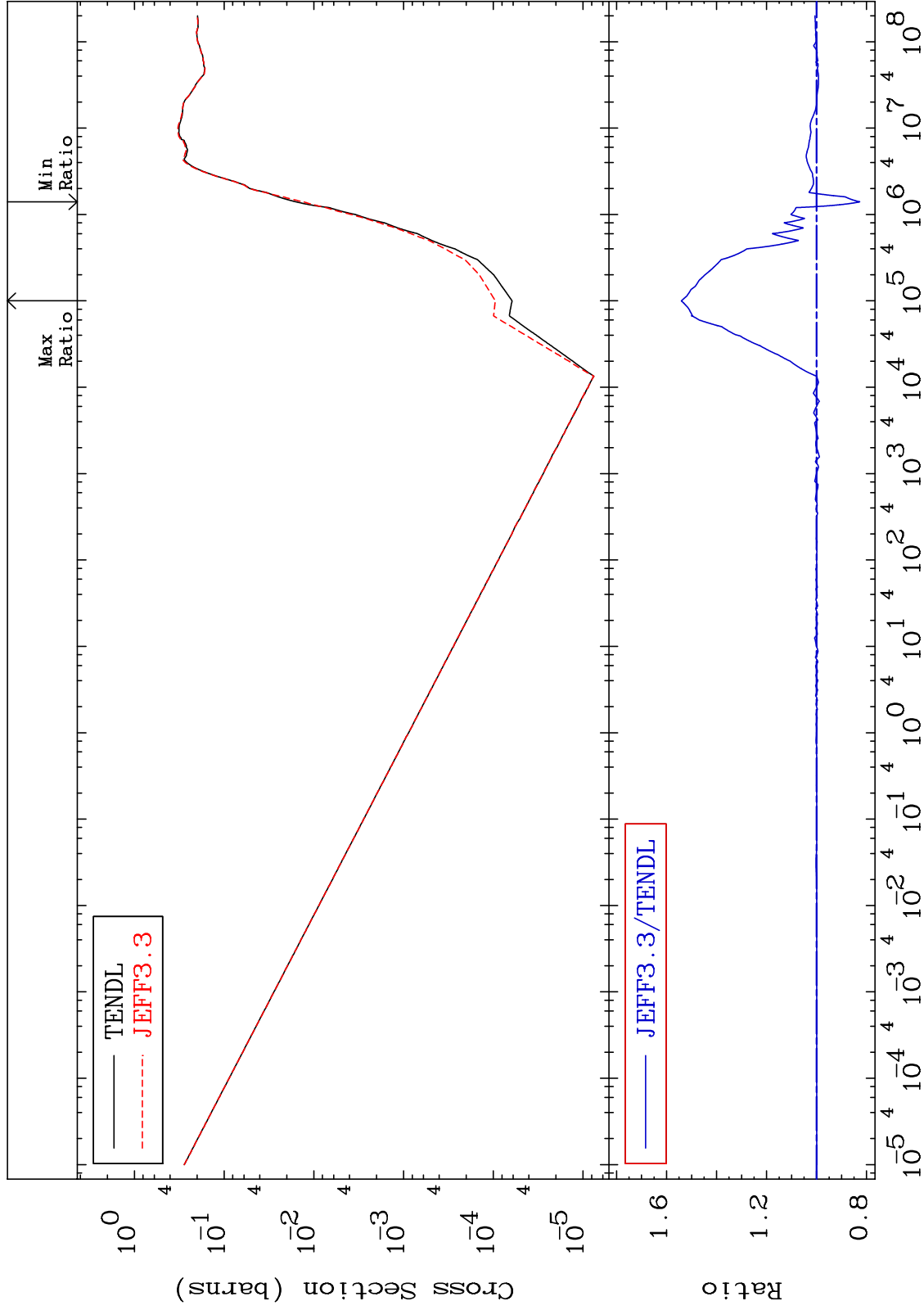


47 18-Ar-36

MAT 1825

He-4 Production
Cross Section

18-Ar-36
-17.27 To 54.12 %



48

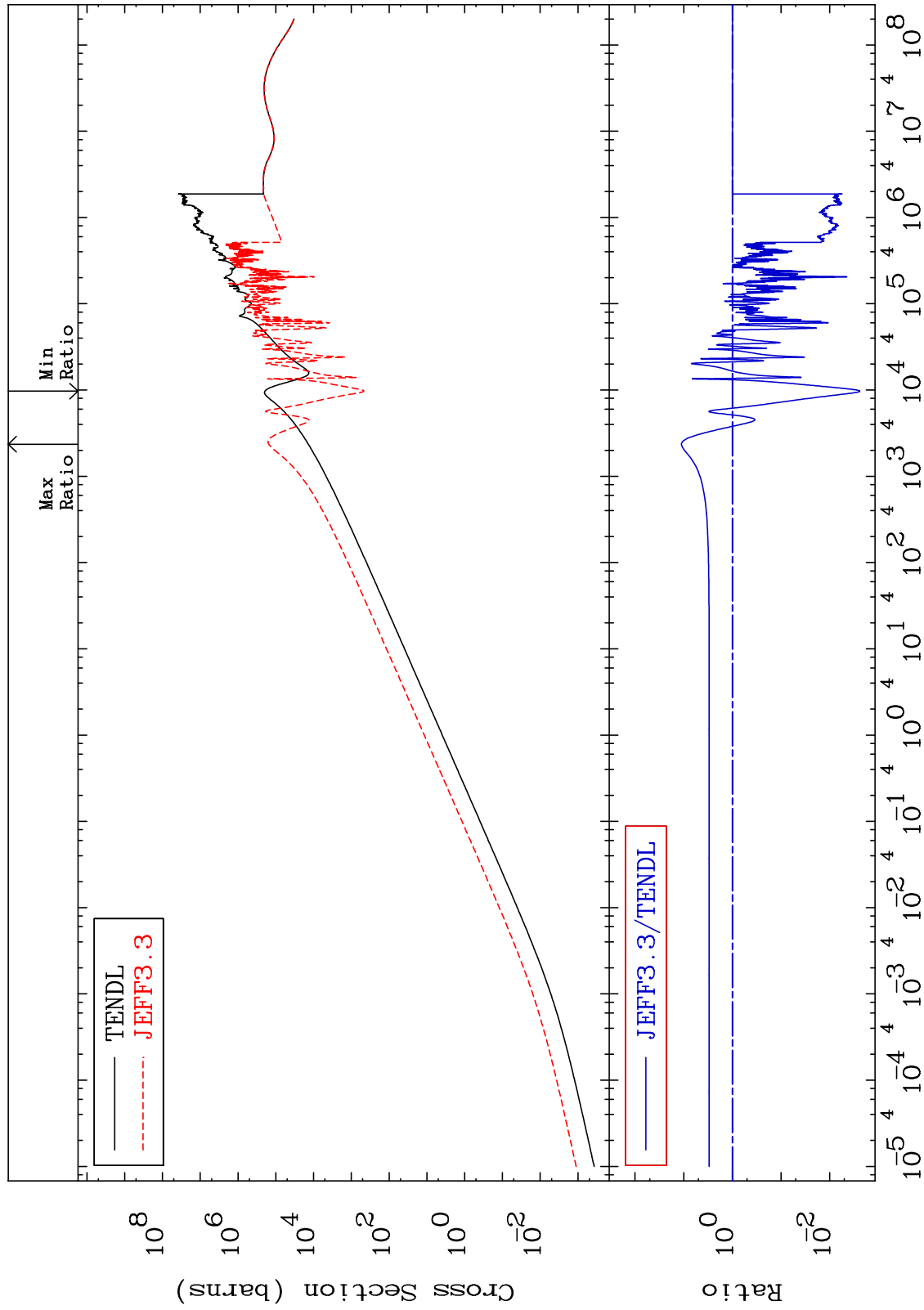
Incident Energy (eV)

18-Ar-36

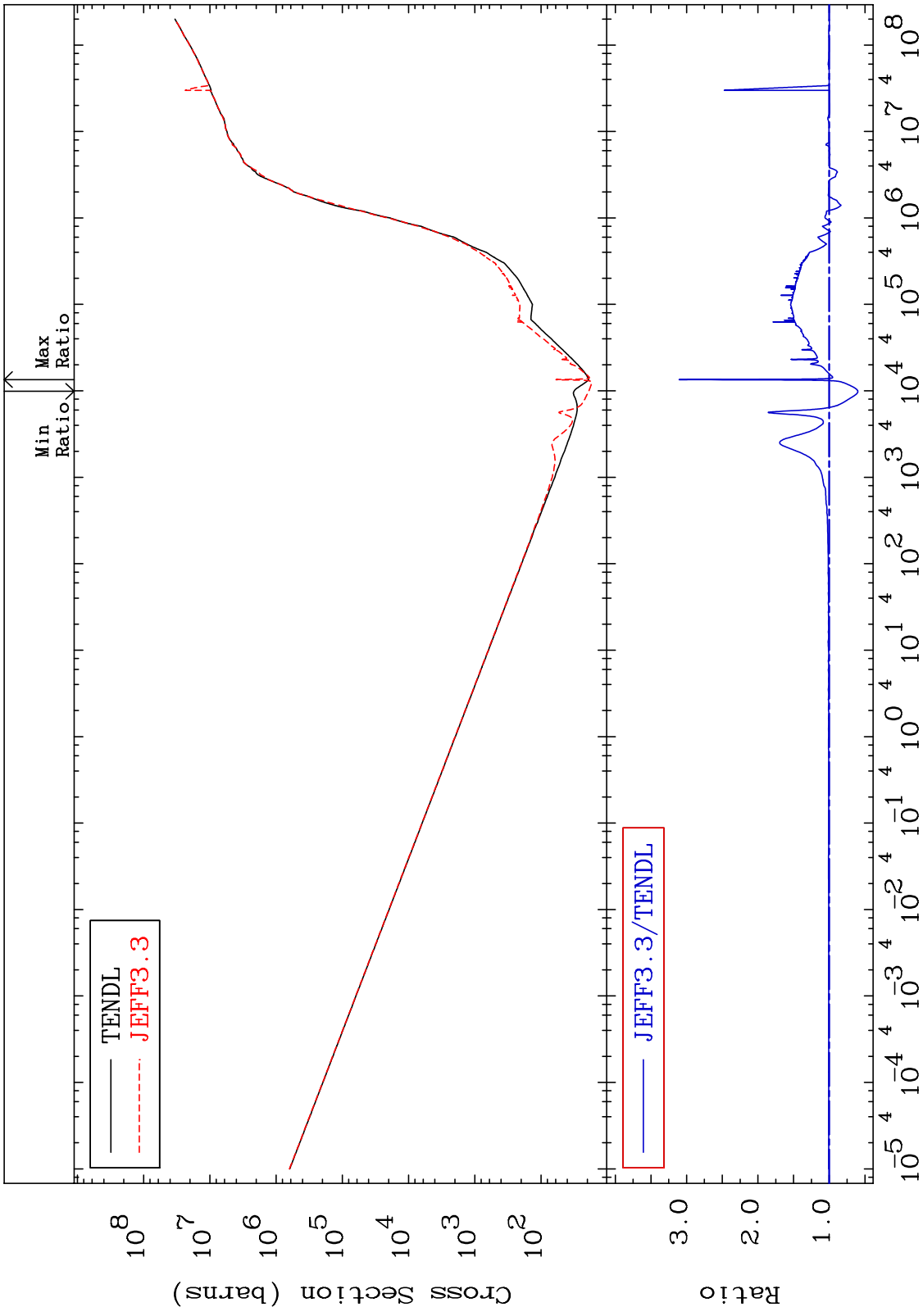
MAT 1825

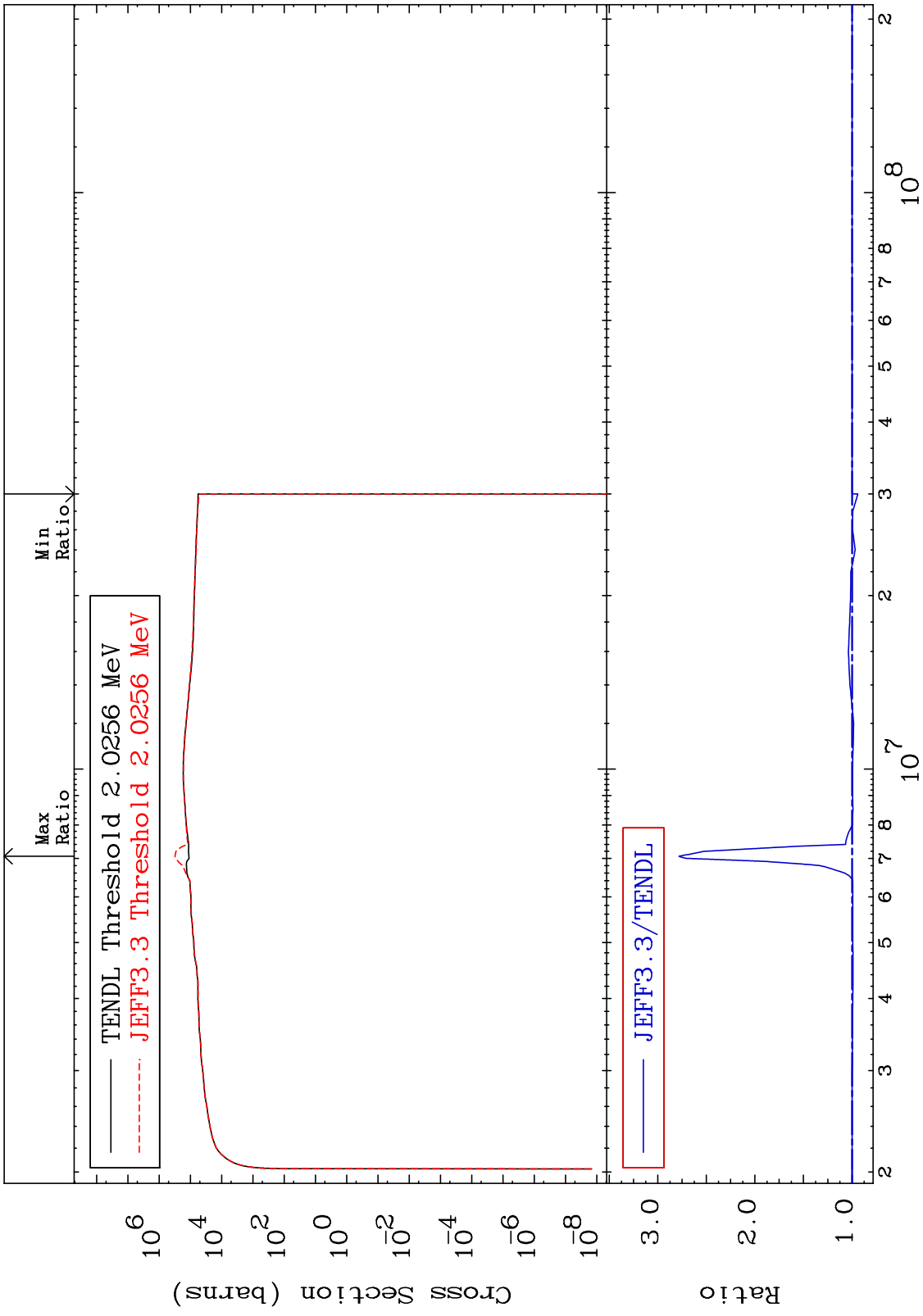
Kerma elastic
Cross Section

18-Ar-36
-99.76 To 1012. %



MAT 1825 Kerma non-elastic (all but mt2) 18-Ar-36
 Cross Section -40.10 To 210.6 %

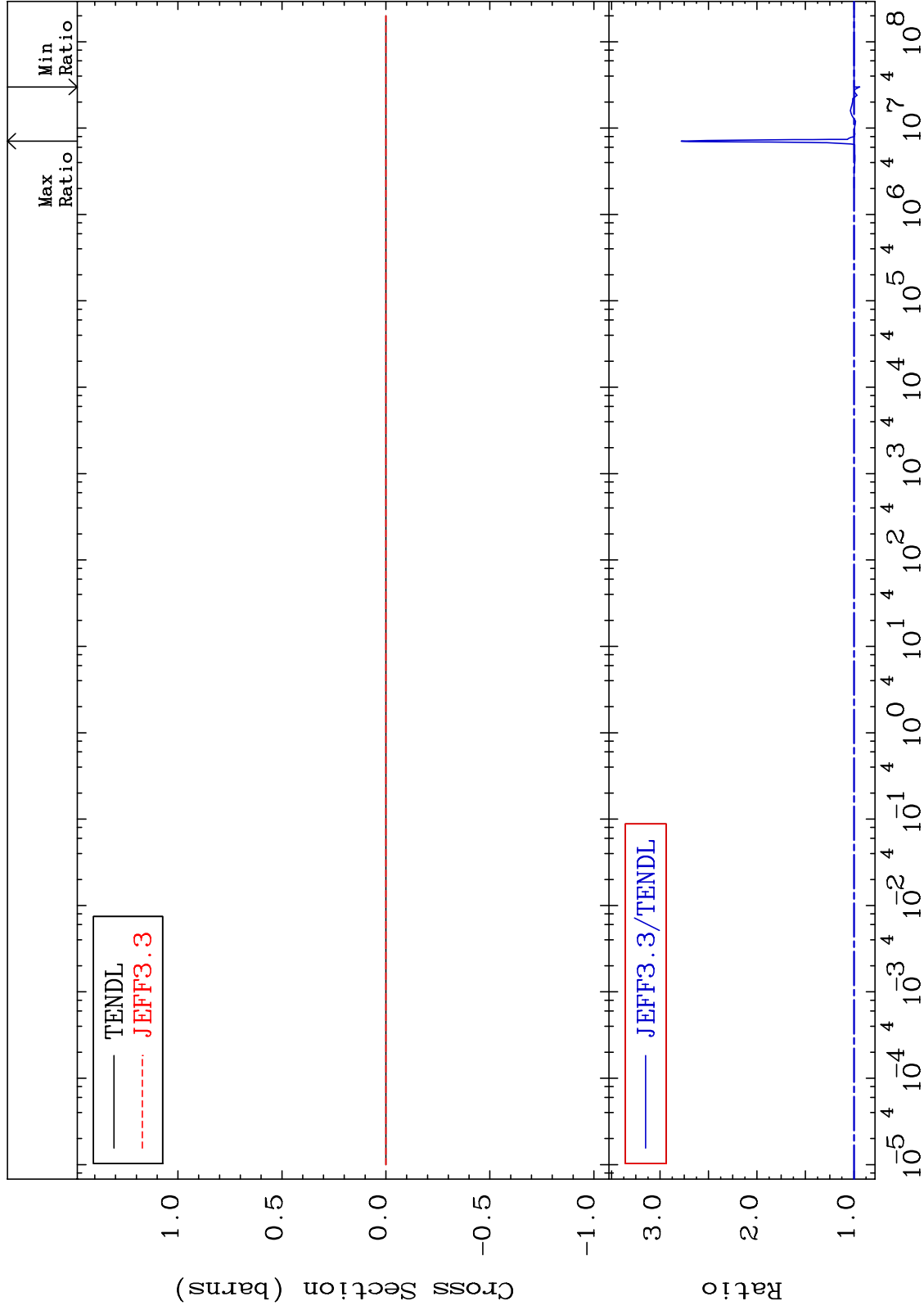




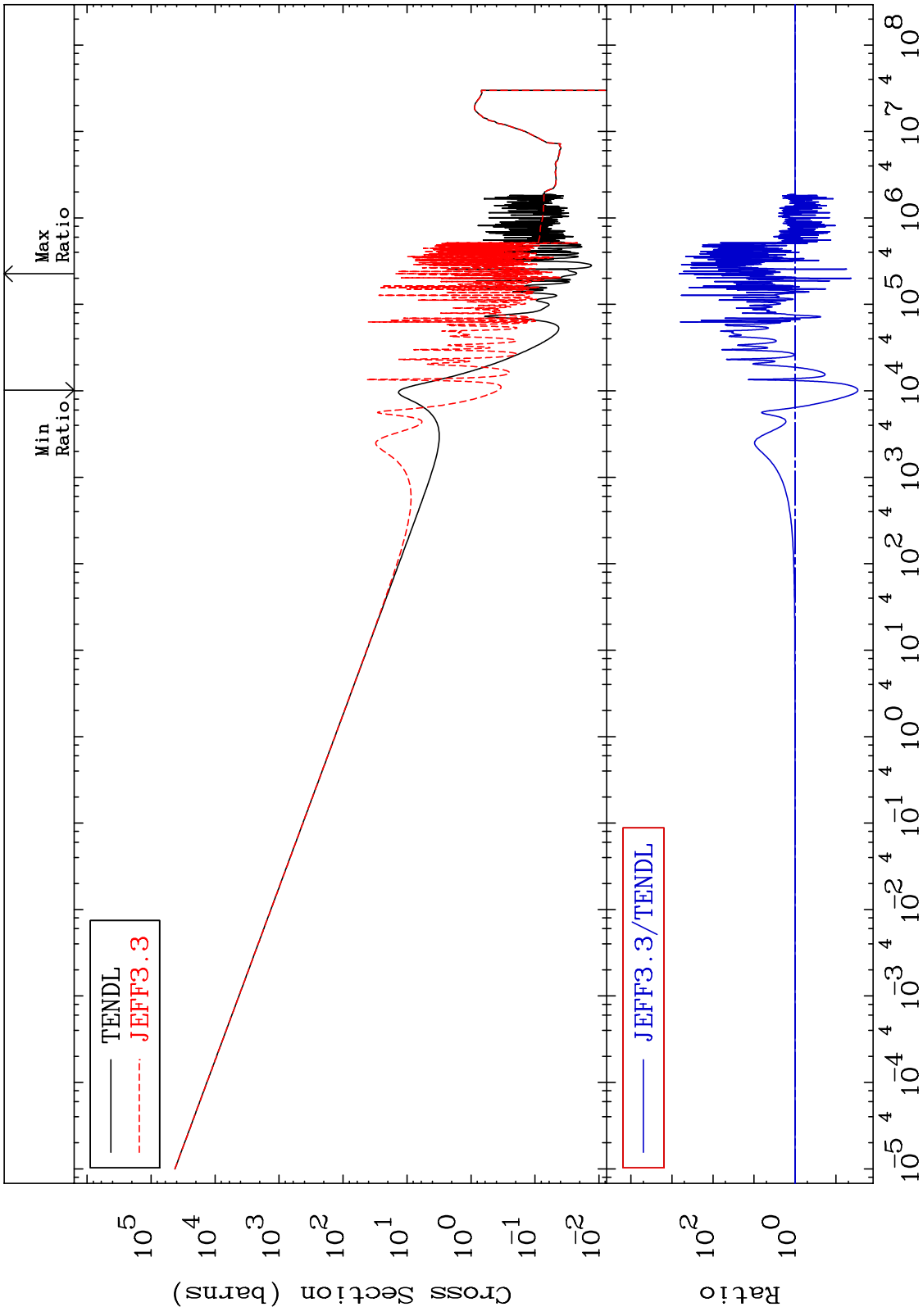
MAT 1825

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

18-Ar-36
-5.997 To 178.1 %



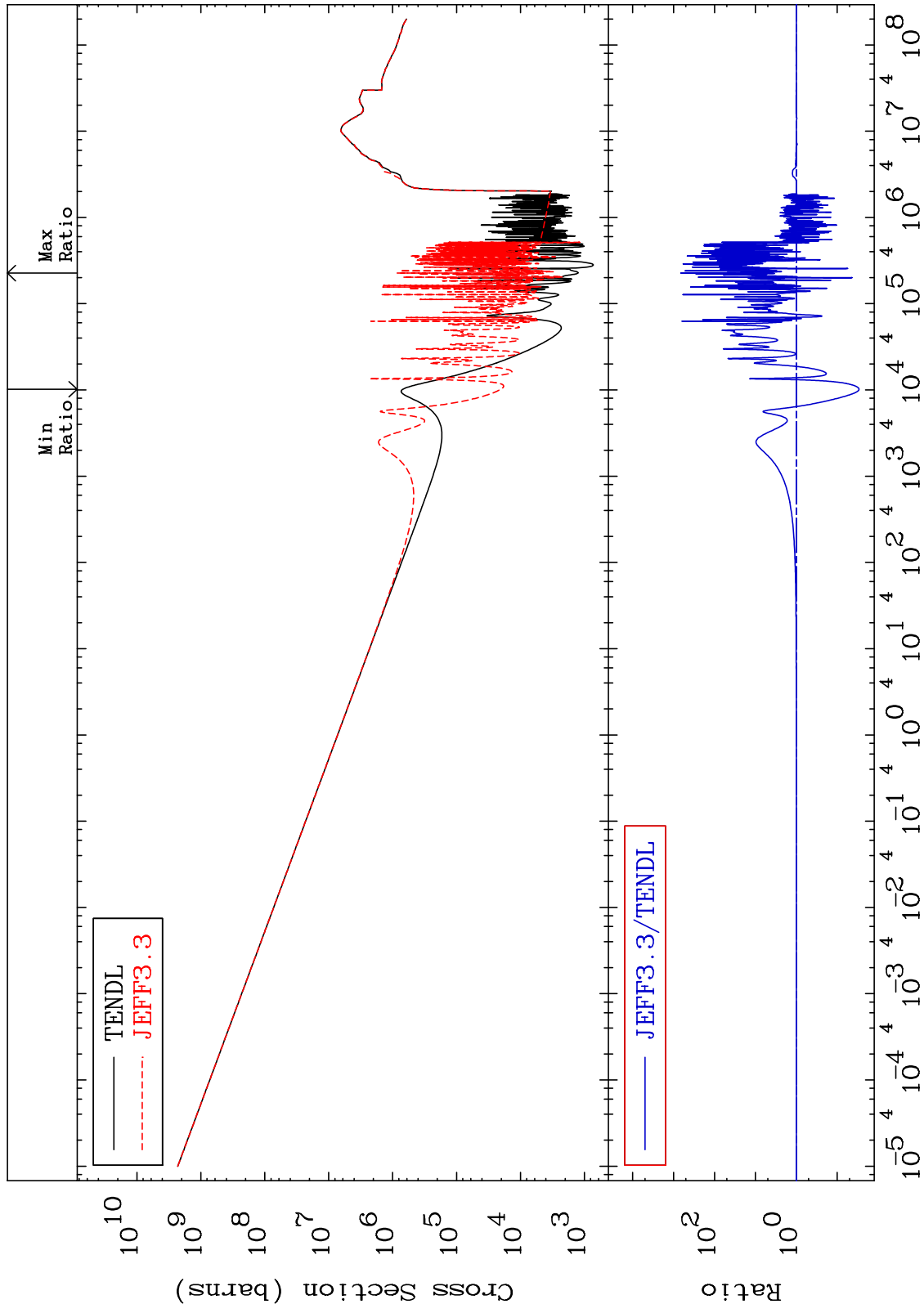
MAT 1825 Kerma capture (mt102) 18-Ar-36
 Cross Section -97.06 To 9999. %



MAT 1825

Total photon (eV-barns)
Cross Section

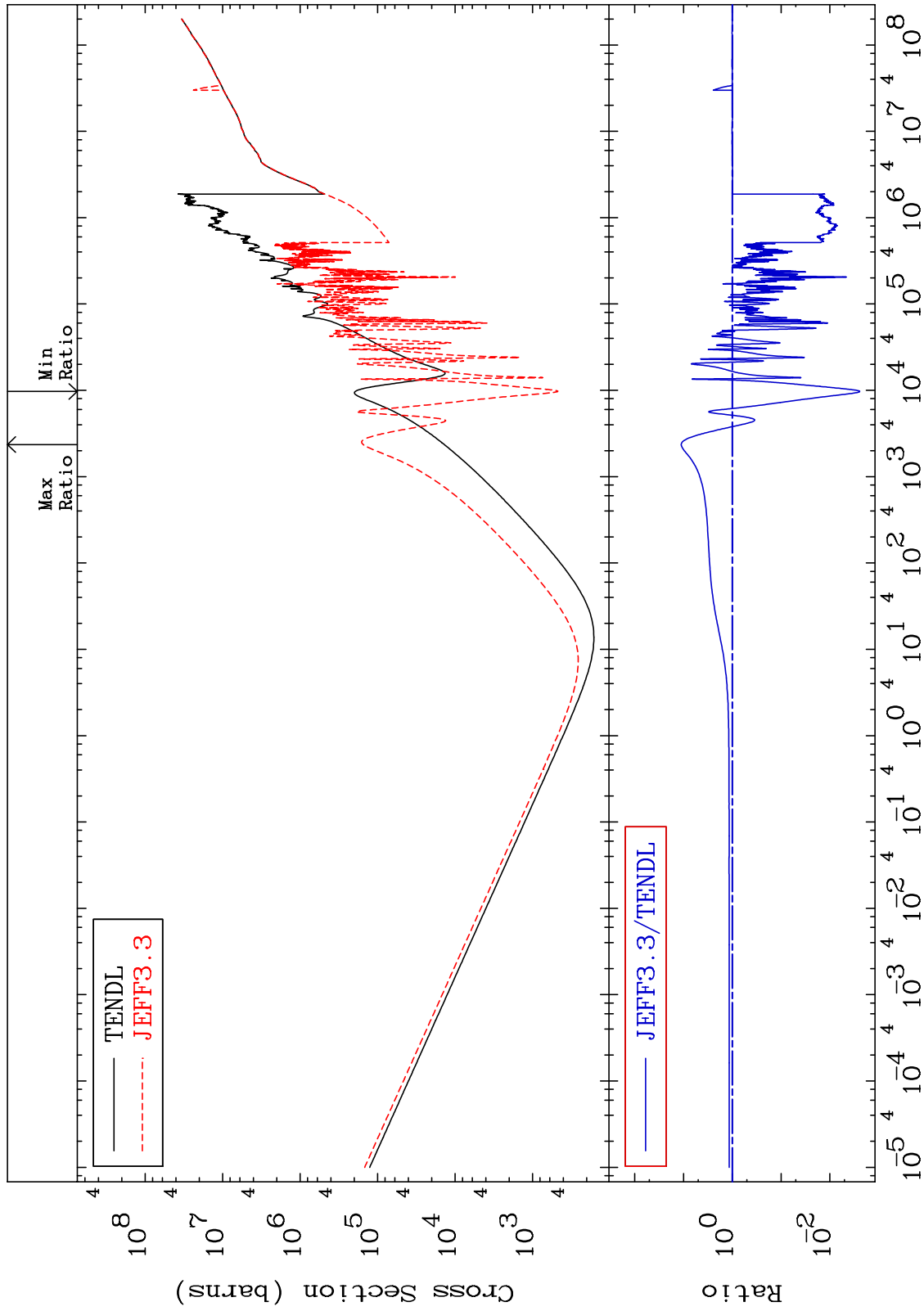
18-Ar-36
-97.06 To 9999. %



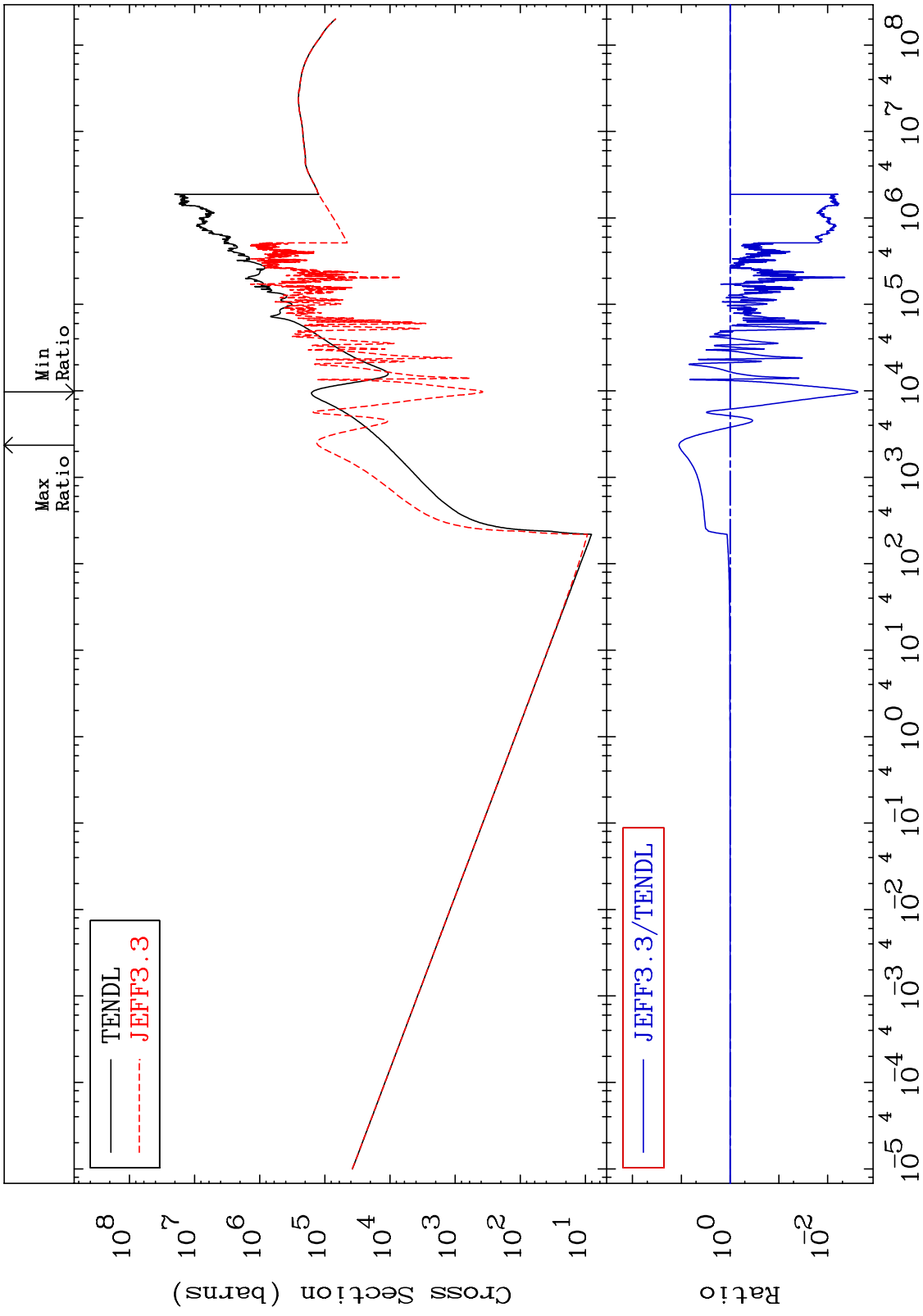
MAT 1825

Total kinematic kerma (high limit)
Cross Section

18-Ar-36
-99.76 To 1012. %



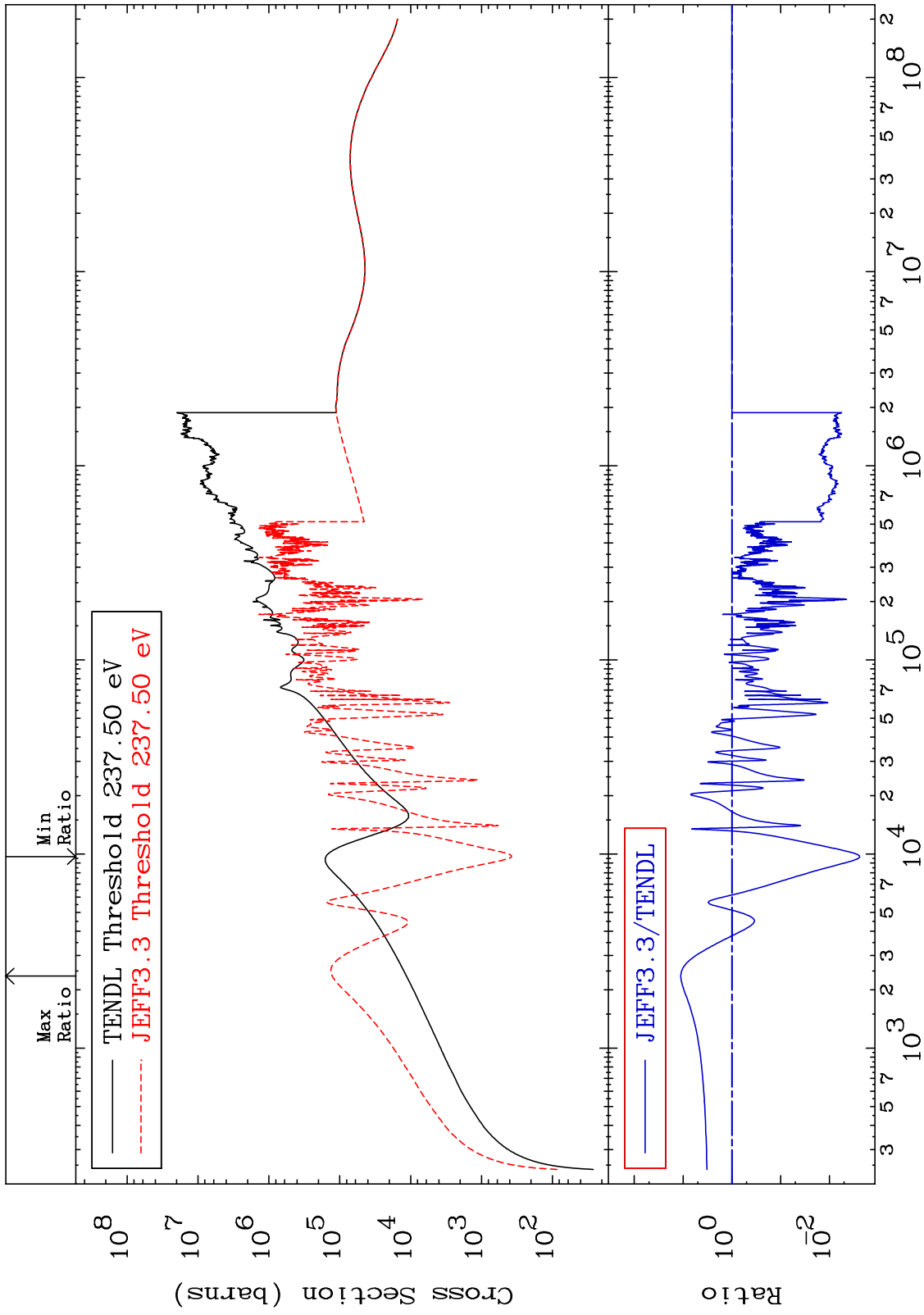
MAT 1825 Dpa total (eV-barns) 18-Ar-36
 Cross Section -99.76 To 1012. %



MAT 1825

Dpa elastic (mt2)
Cross Section

18-Ar-36
-99.76 To 1012. %



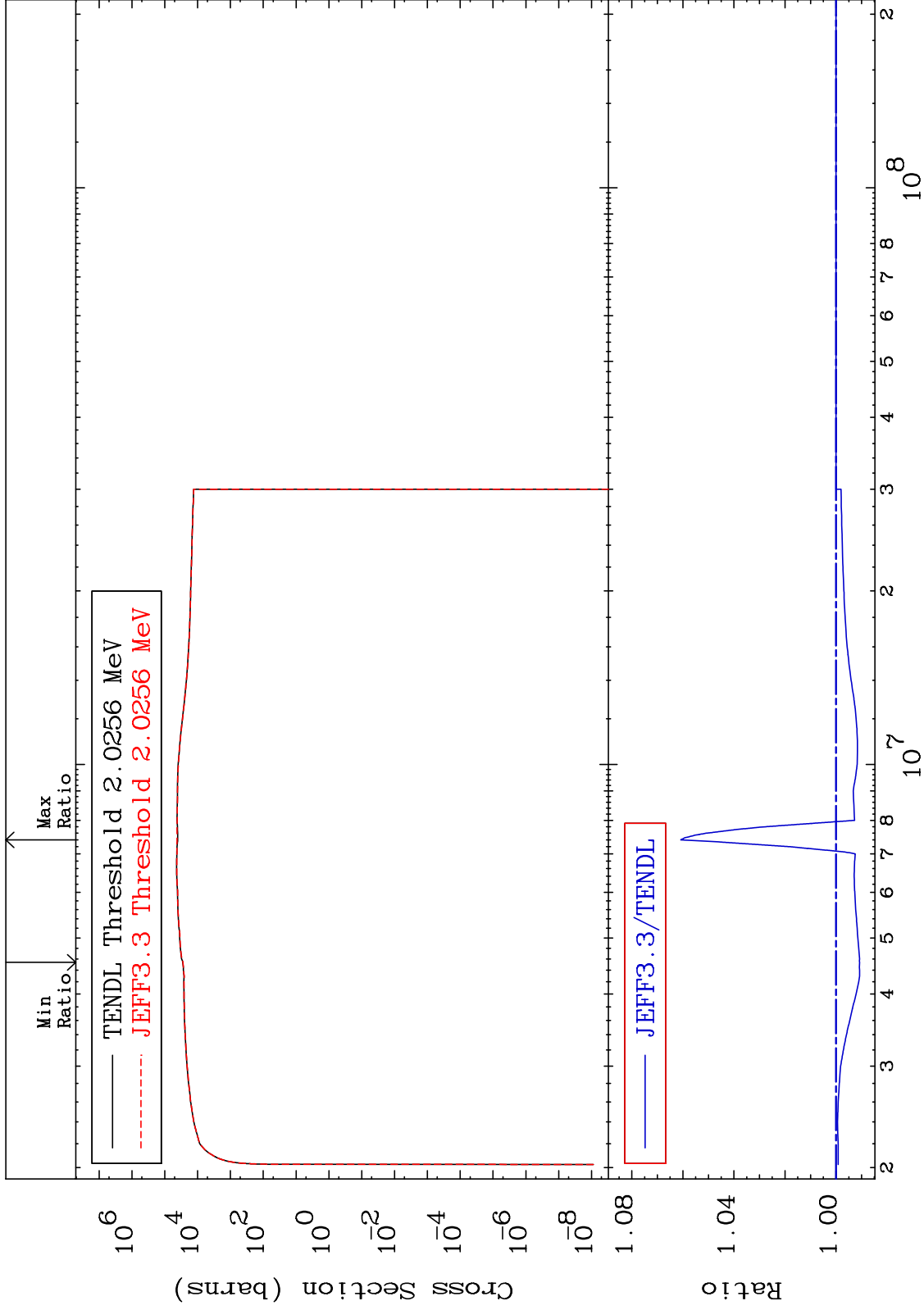
58

18-Ar-36

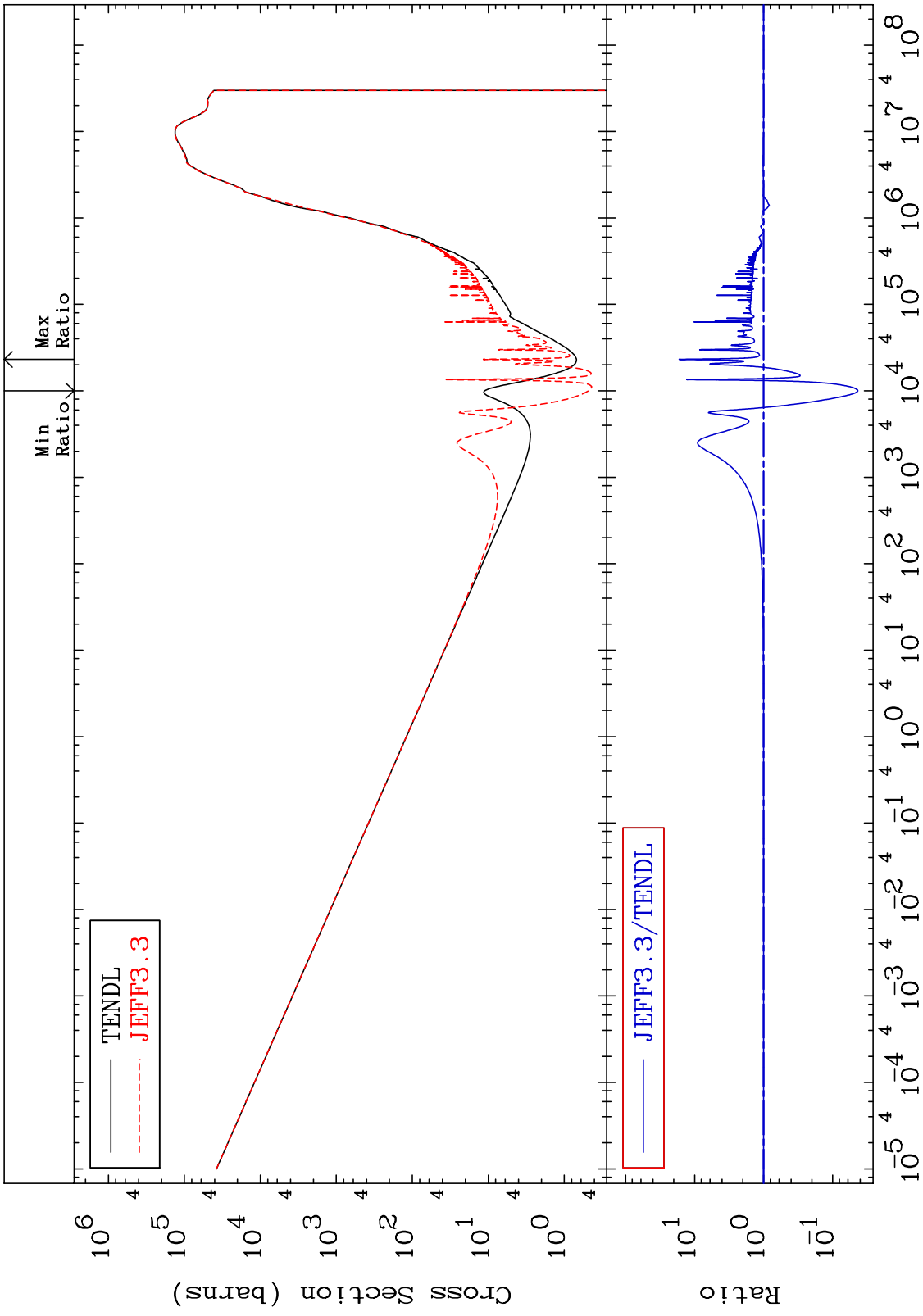
MAT 1825

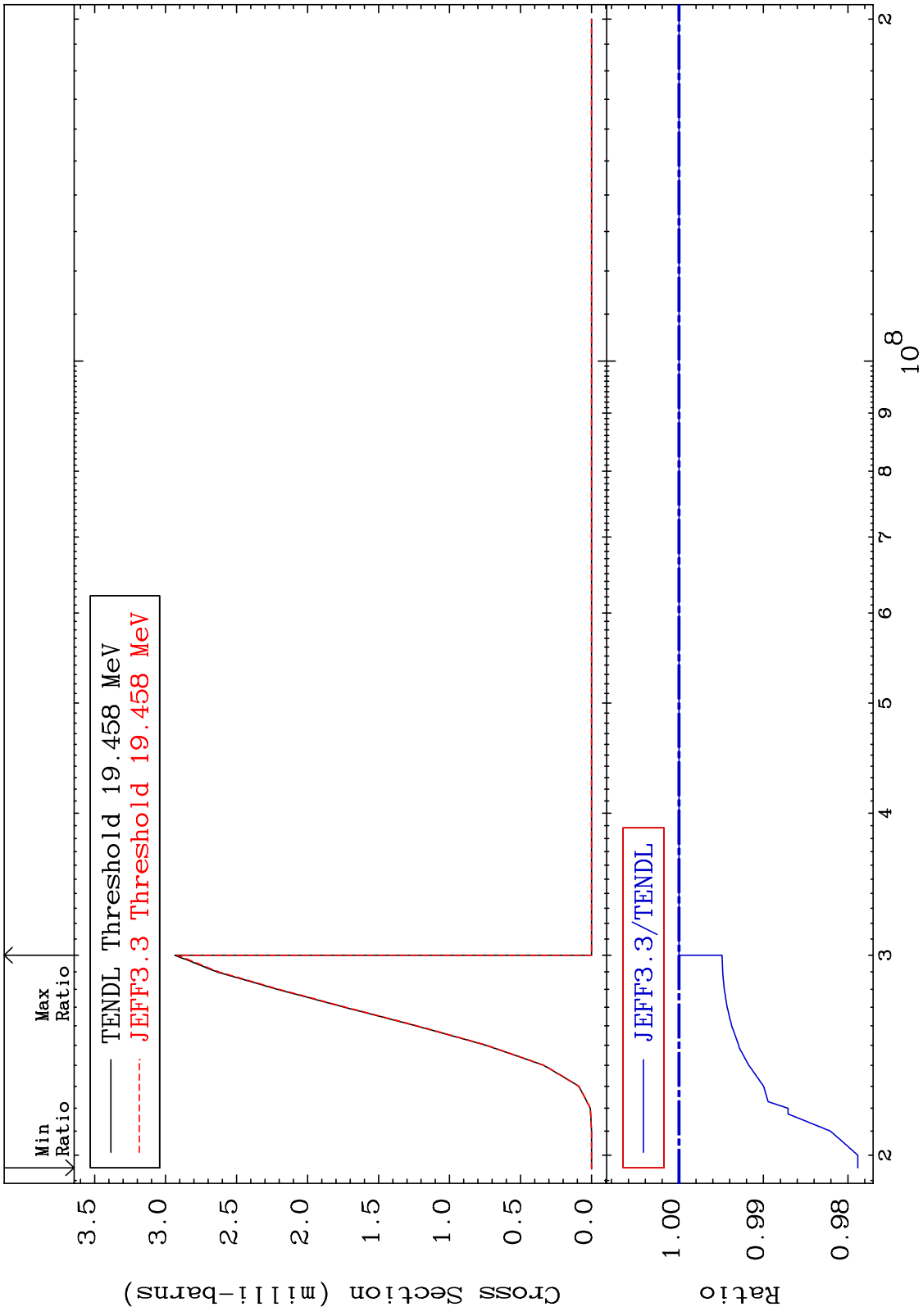
Dpa inelastic (mt51-91)
Cross Section

18-Ar-36
-0.924 To 6.082 %



MAT 1825 Dpa disappearance (mt102 -120) 18-Ar-36
 Cross Section -95.67 To 1581. %



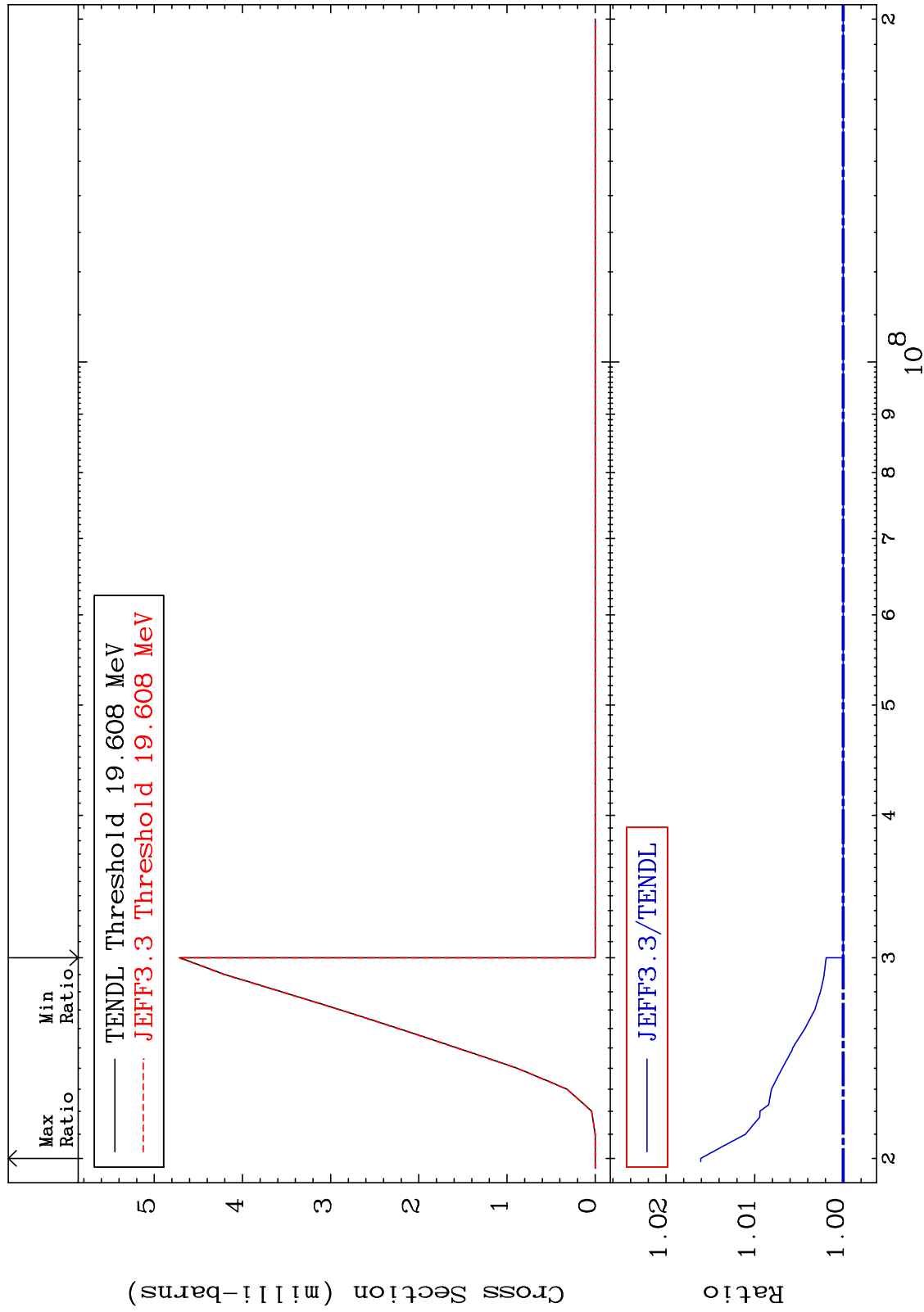


MAT 1825

(n, n') d:17-Cl-34m1

18-Ar-36

Radionuclide Production Cross Section 0.000 To 1.608 %

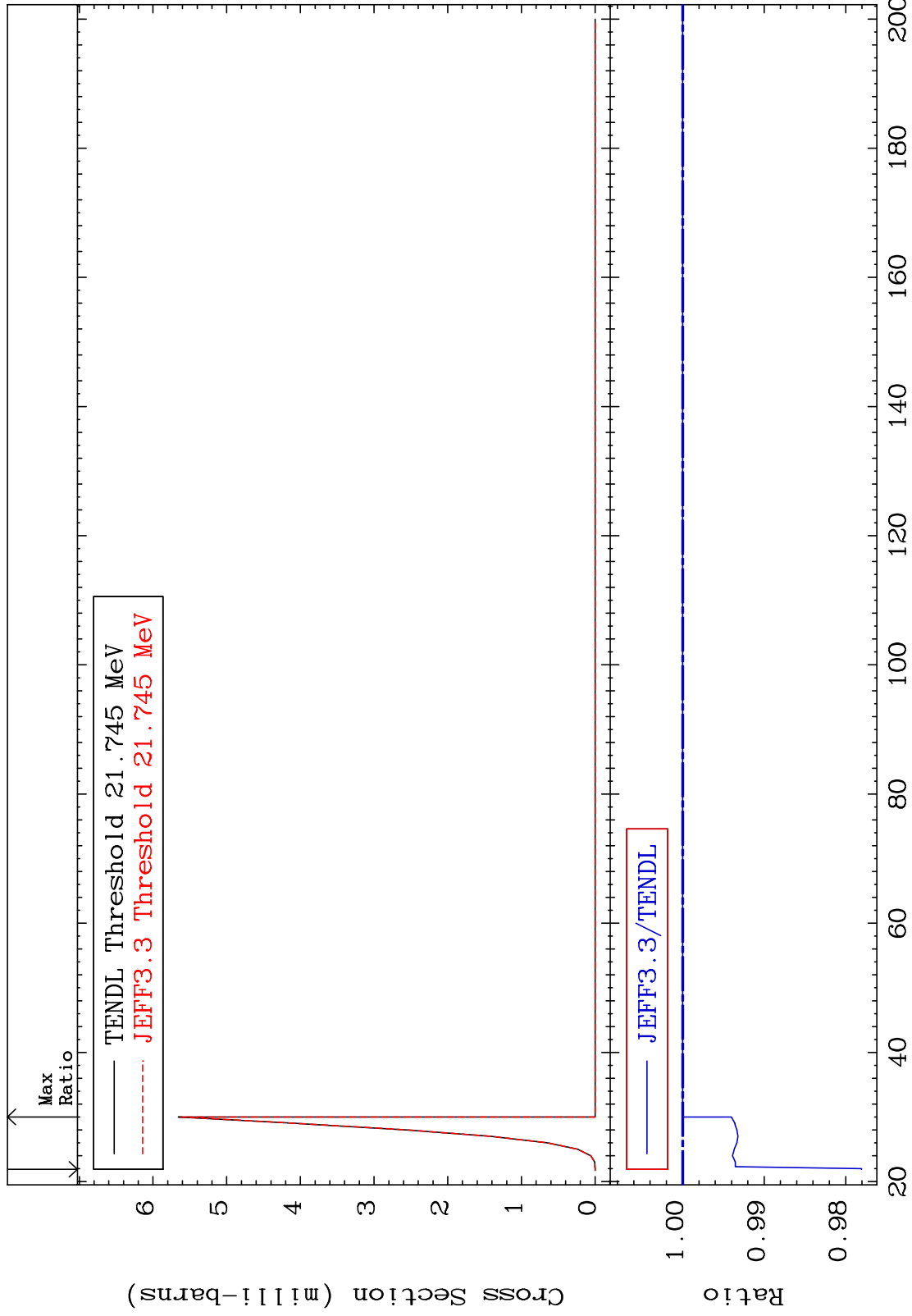


MAT 1825

(n,2n) p:17-Cl-34g

18-Ar-36

Radionuclide Production Cross Section -2.195 To 0.000 %

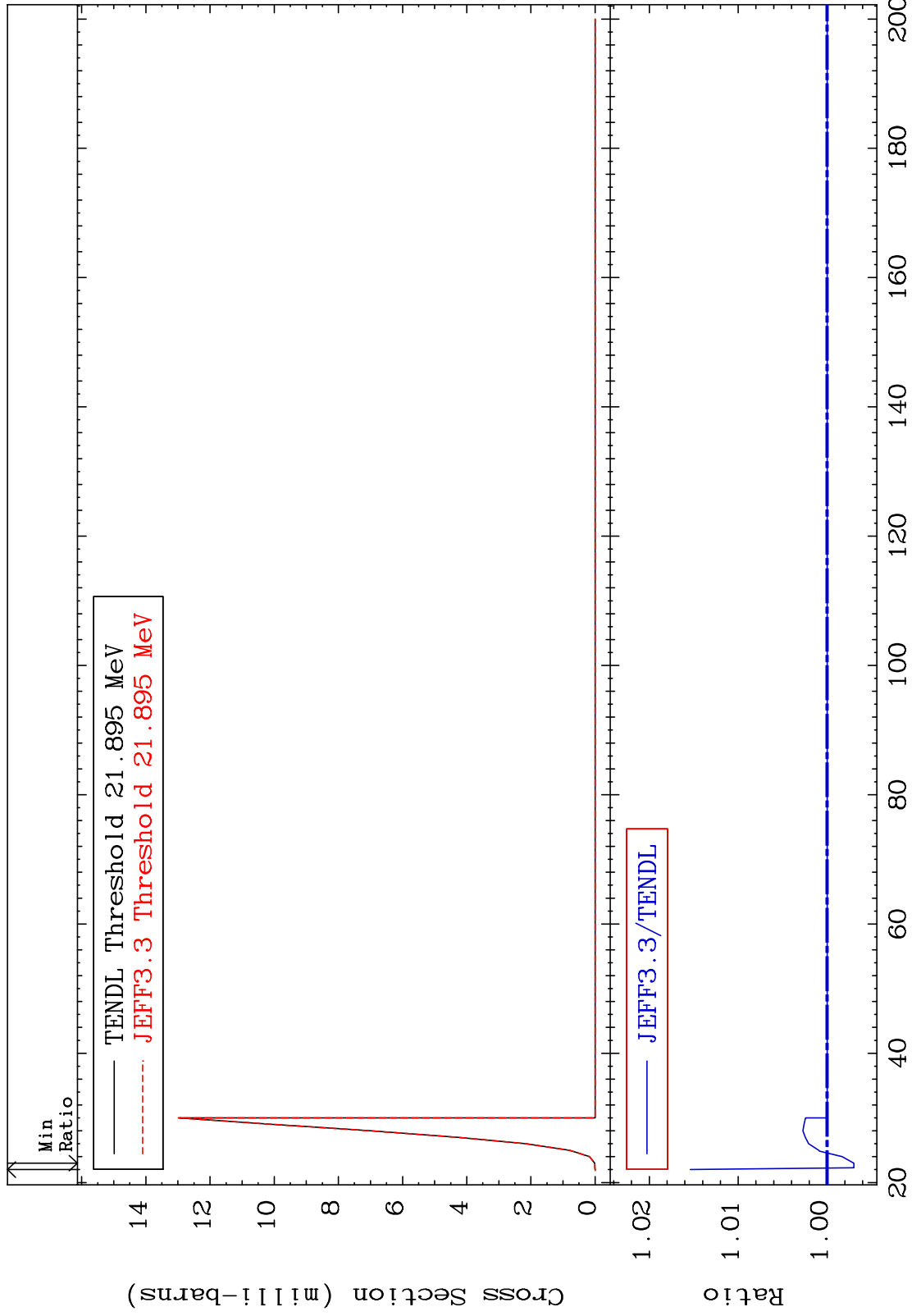


MAT 1825

(n,2n) p:17-Cl-34m1

18-Ar-36

Radionuclide Production Cross Section -0.302 To 1.539 %

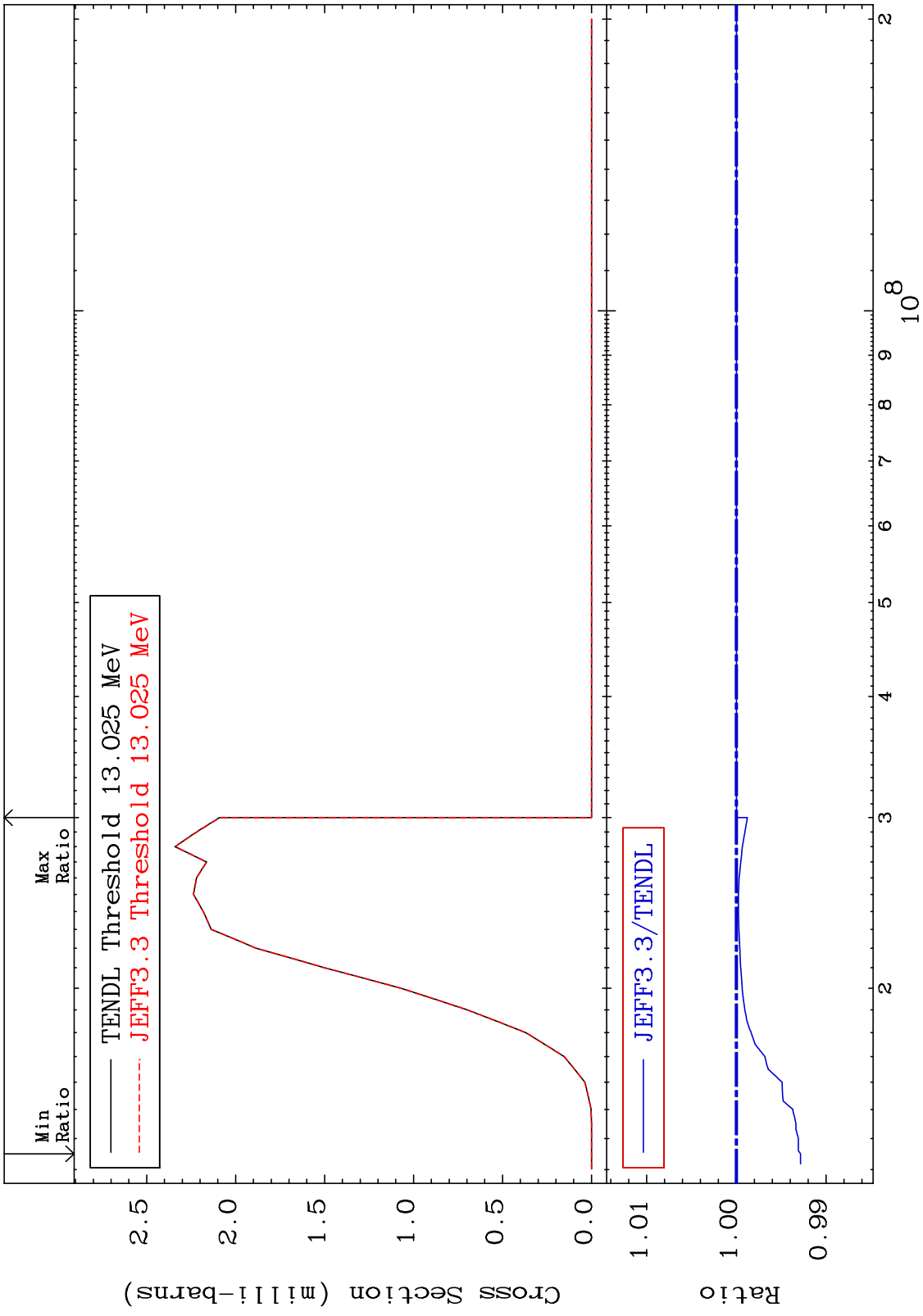


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Incident Energy (MeV)

18-Ar-36

MAT 1825 (n,t):17-Cl-34g 18-Ar-36
 Radionuclide Production Cross Section -0.715 To 0.000 %



MAT 1825 (n,t):17-Cl-34m1 18-Ar-36

Radionuclide Production Cross Section -0.561 To 0.110 %

