

Program Complot  
(Version 2021-1)

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

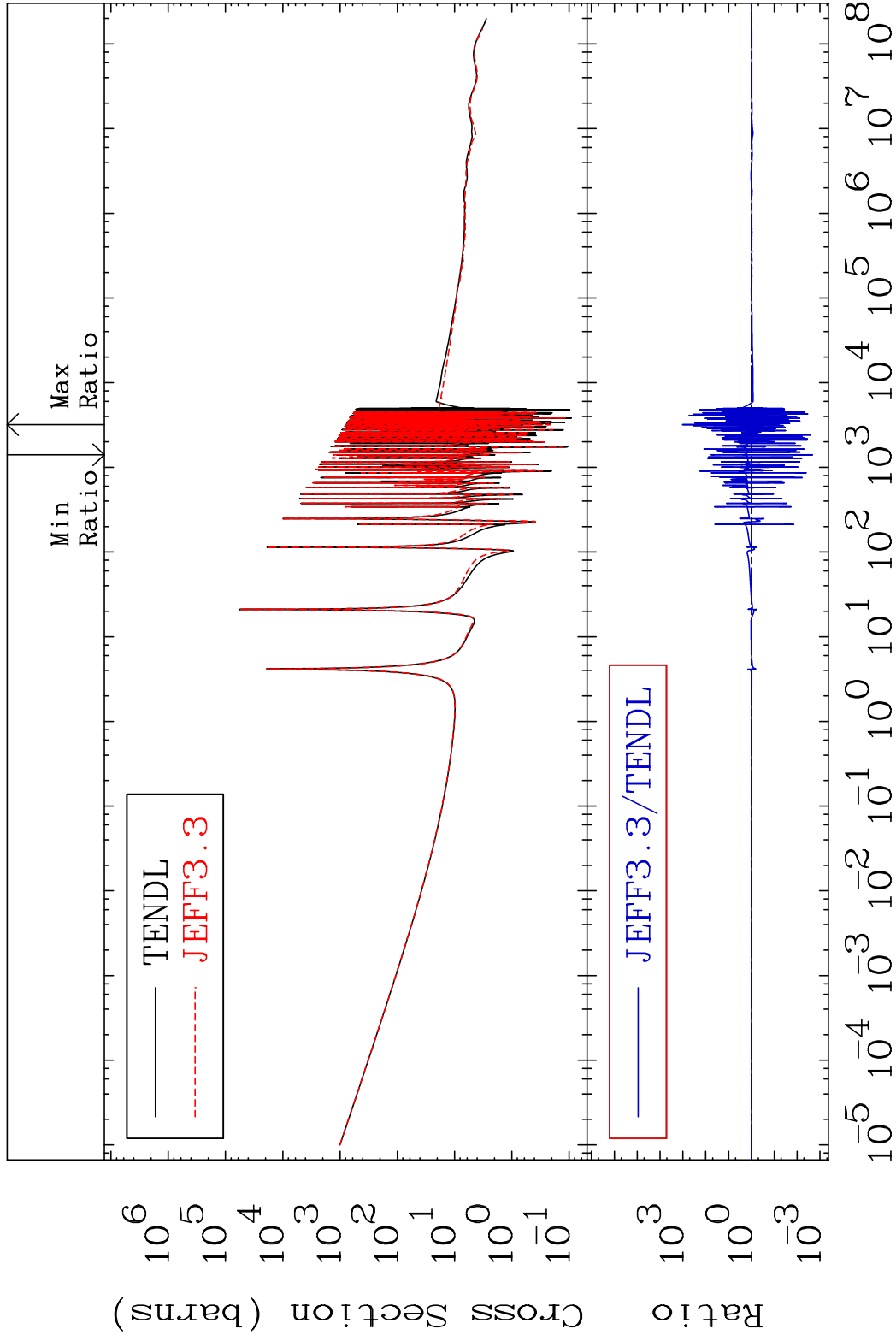
Press Mouse Button to Start

MAT 7431

Total

74-W -182

Cross Section -99.79 To 9999. %



1

Incident Energy (eV)

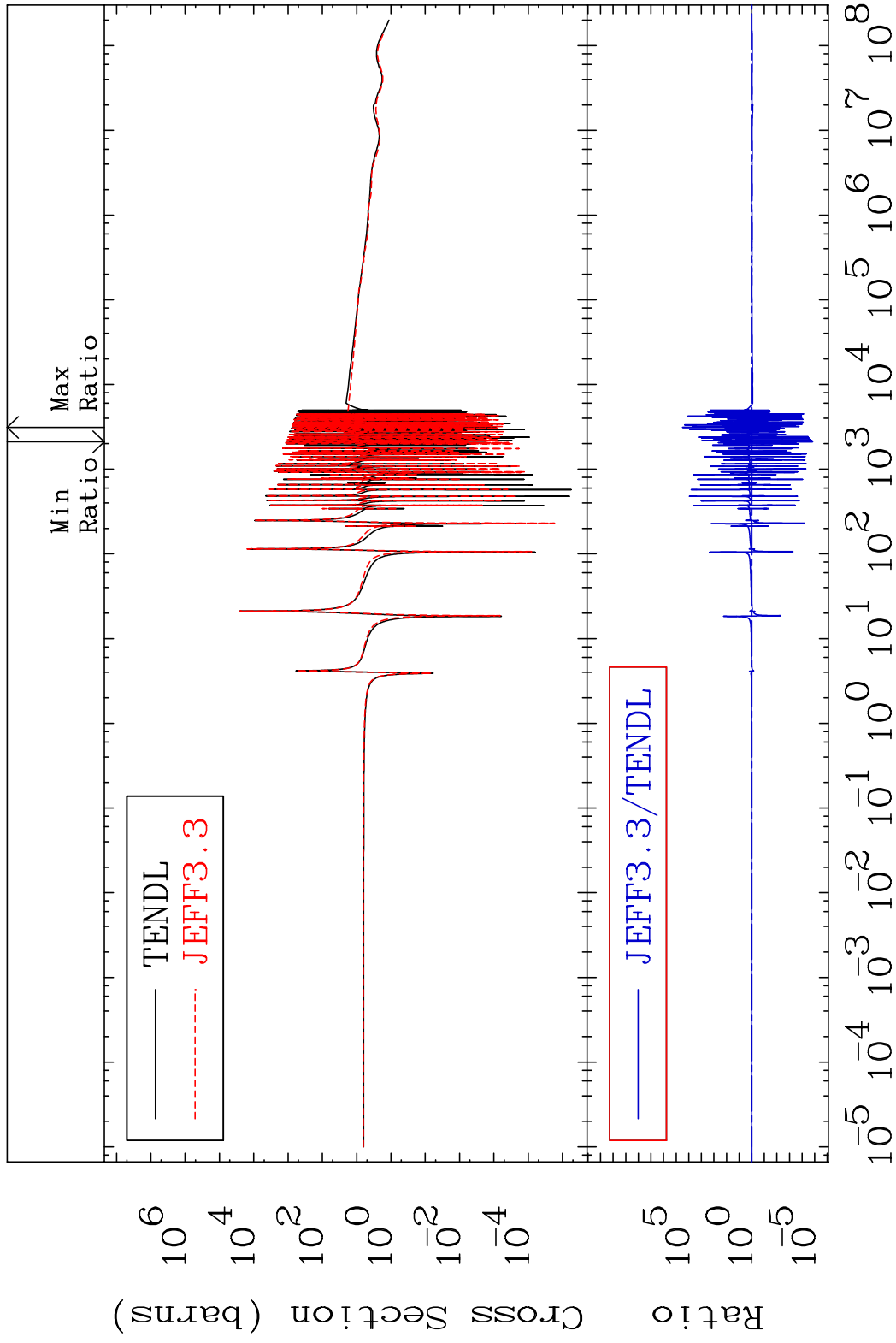
74-W -182

MAT 7431

Elastic

74-W -182

Cross Section -100.0 To 9999. %



2

Incident Energy (eV)

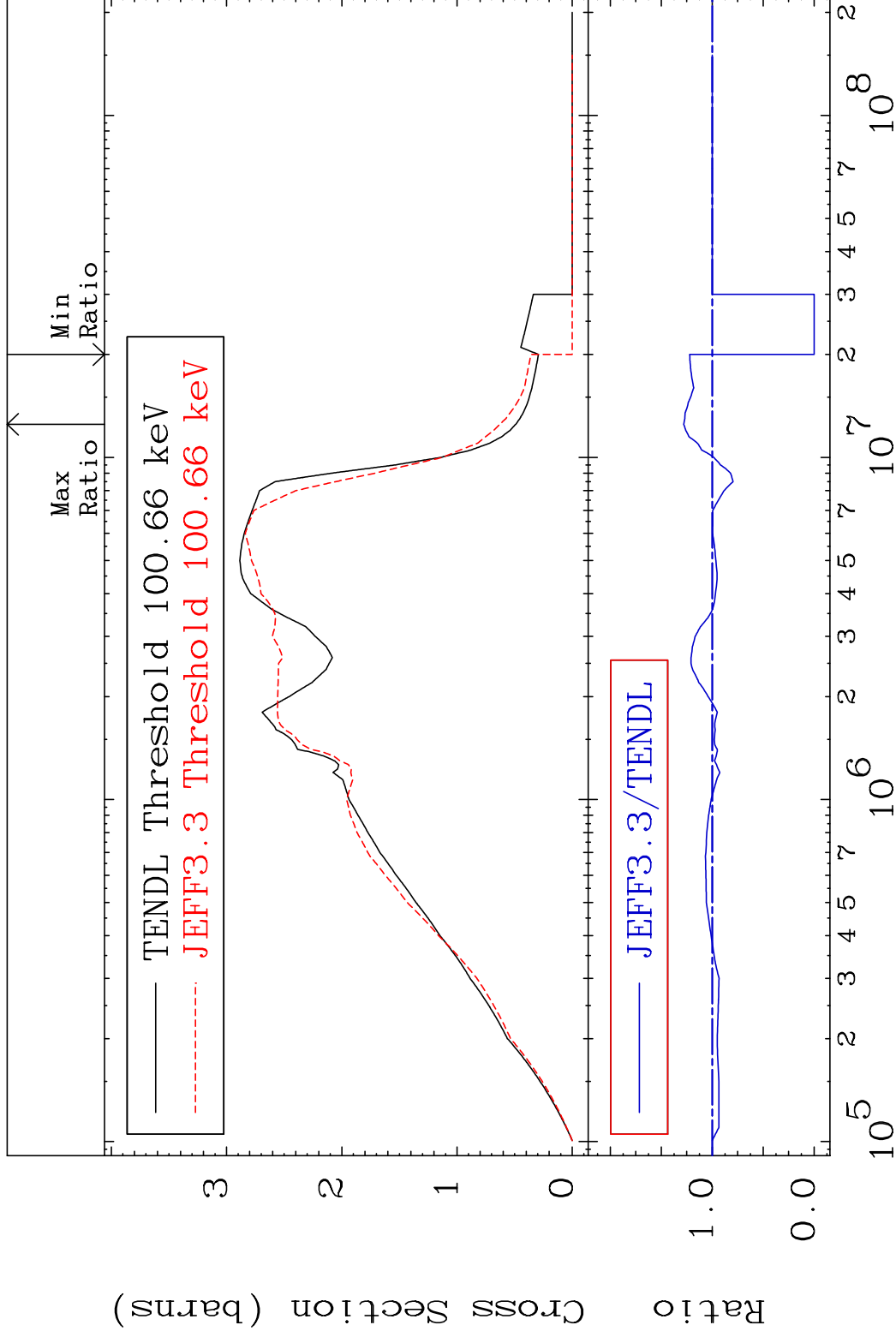
74-W -182

MAT 7431

Inelastic

74-W -182

Cross Section -100.0 To 28.04 %



Incident Energy (eV)

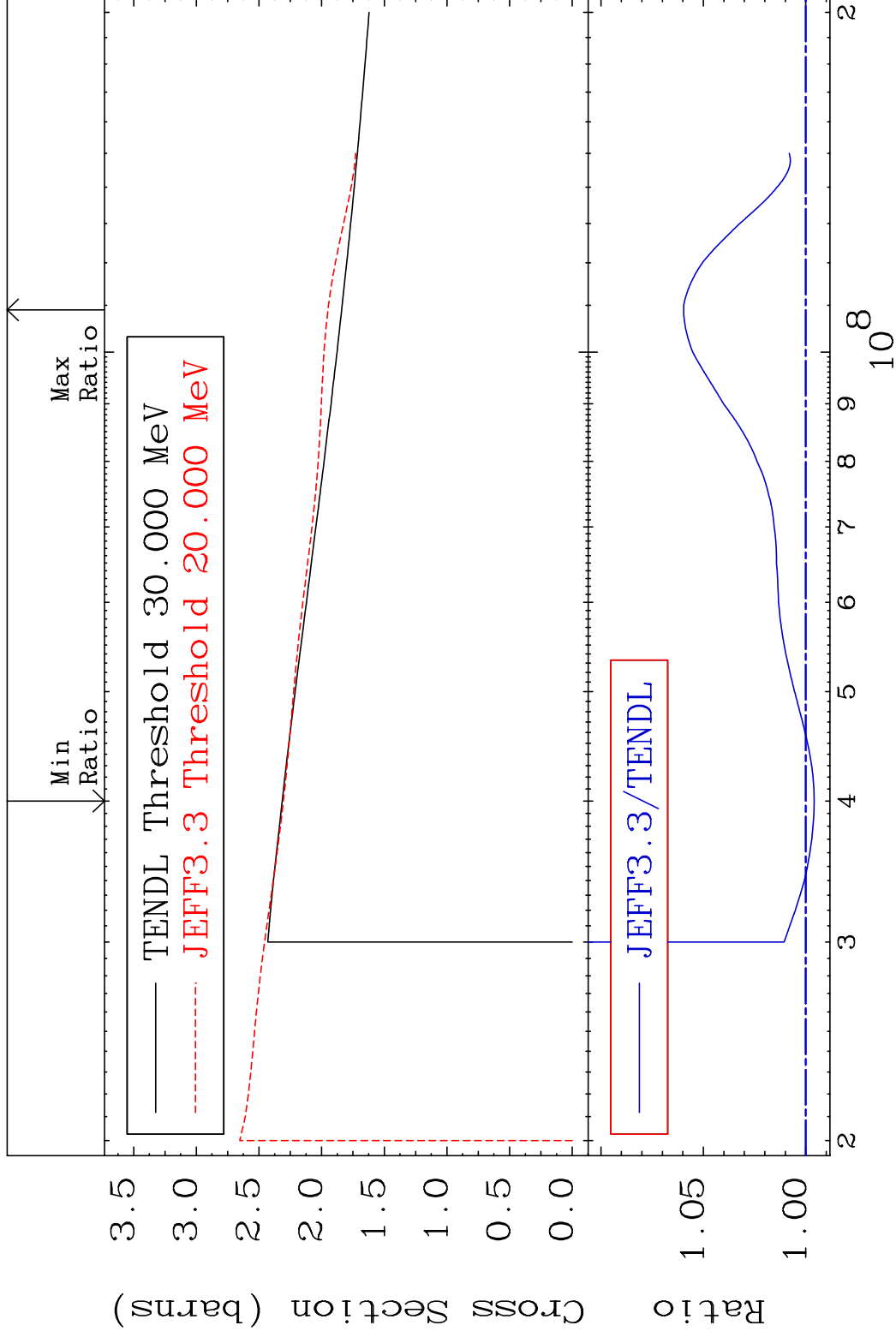
74-W -182

MAT 7431

(n, remainder)

74-W -182

Cross Section -0.407 To 5.961 %



4

Incident Energy (eV)

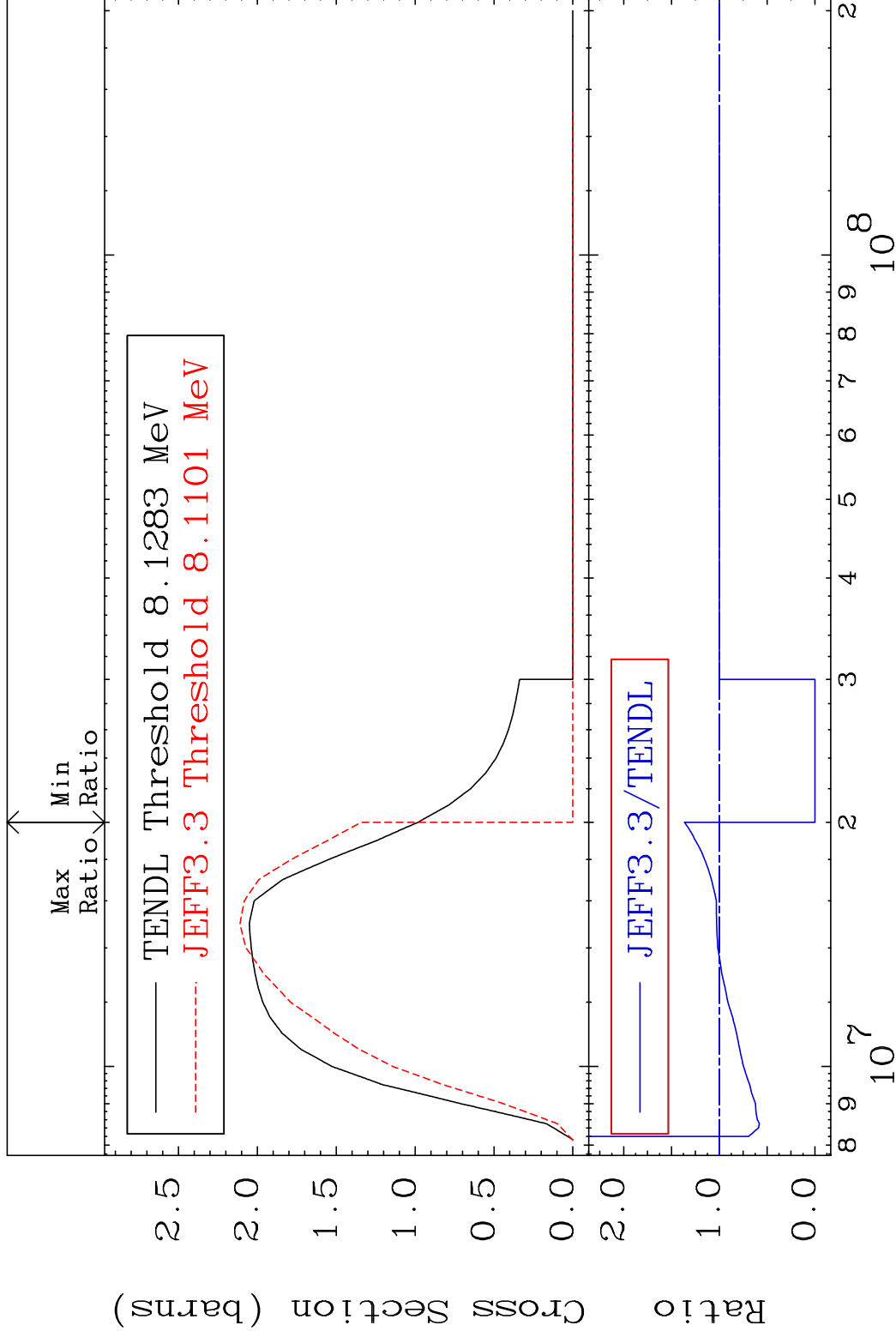
74-W -182

MAT 7431

(n,2n)

74-W -182

Cross Section -100.0 To 36.60 %



5

Incident Energy (eV)

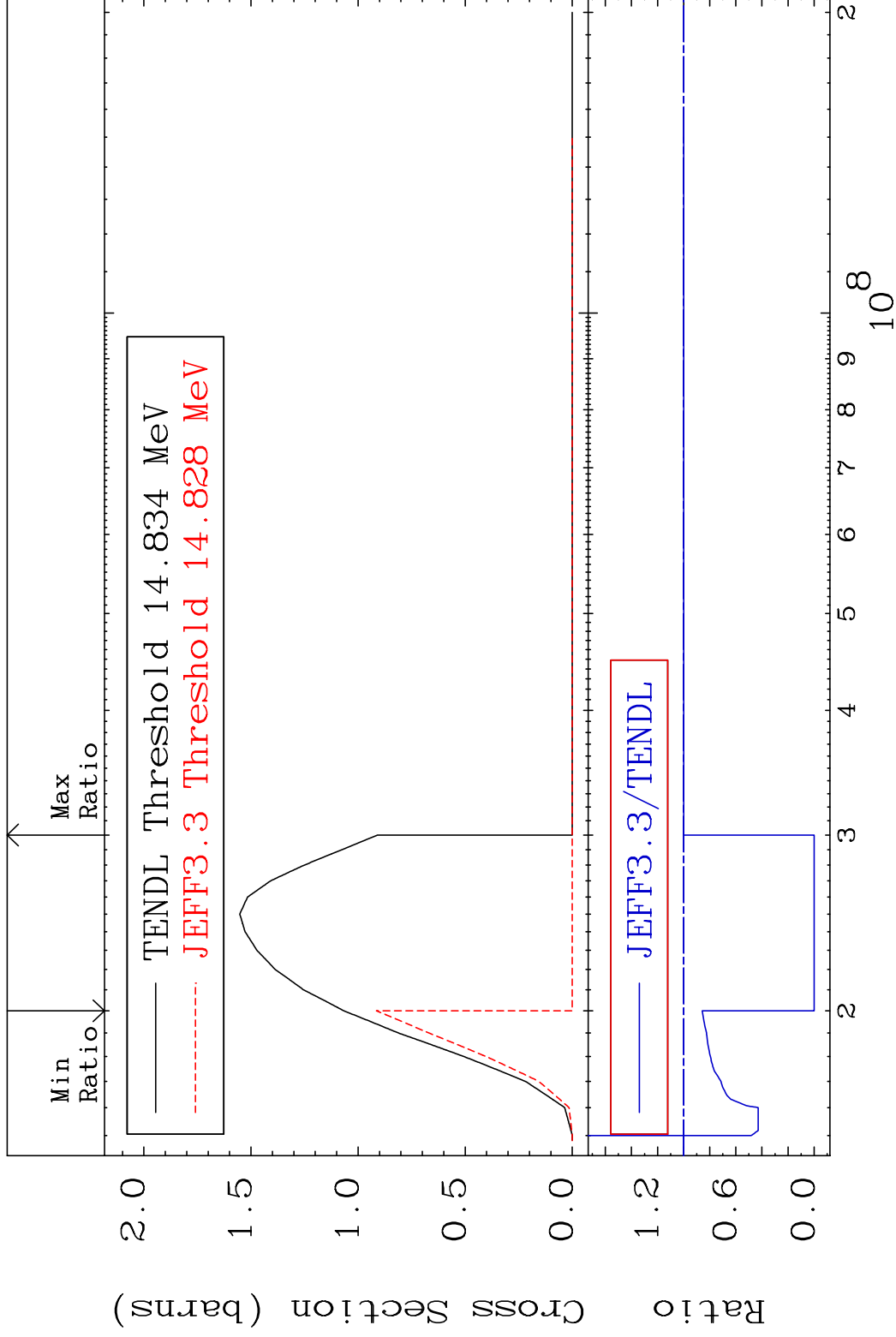
74-W -182

MAT 7431

(n,3n)

74-W -182

Cross Section -100.0 To 0.000 %



6

Incident Energy (eV)

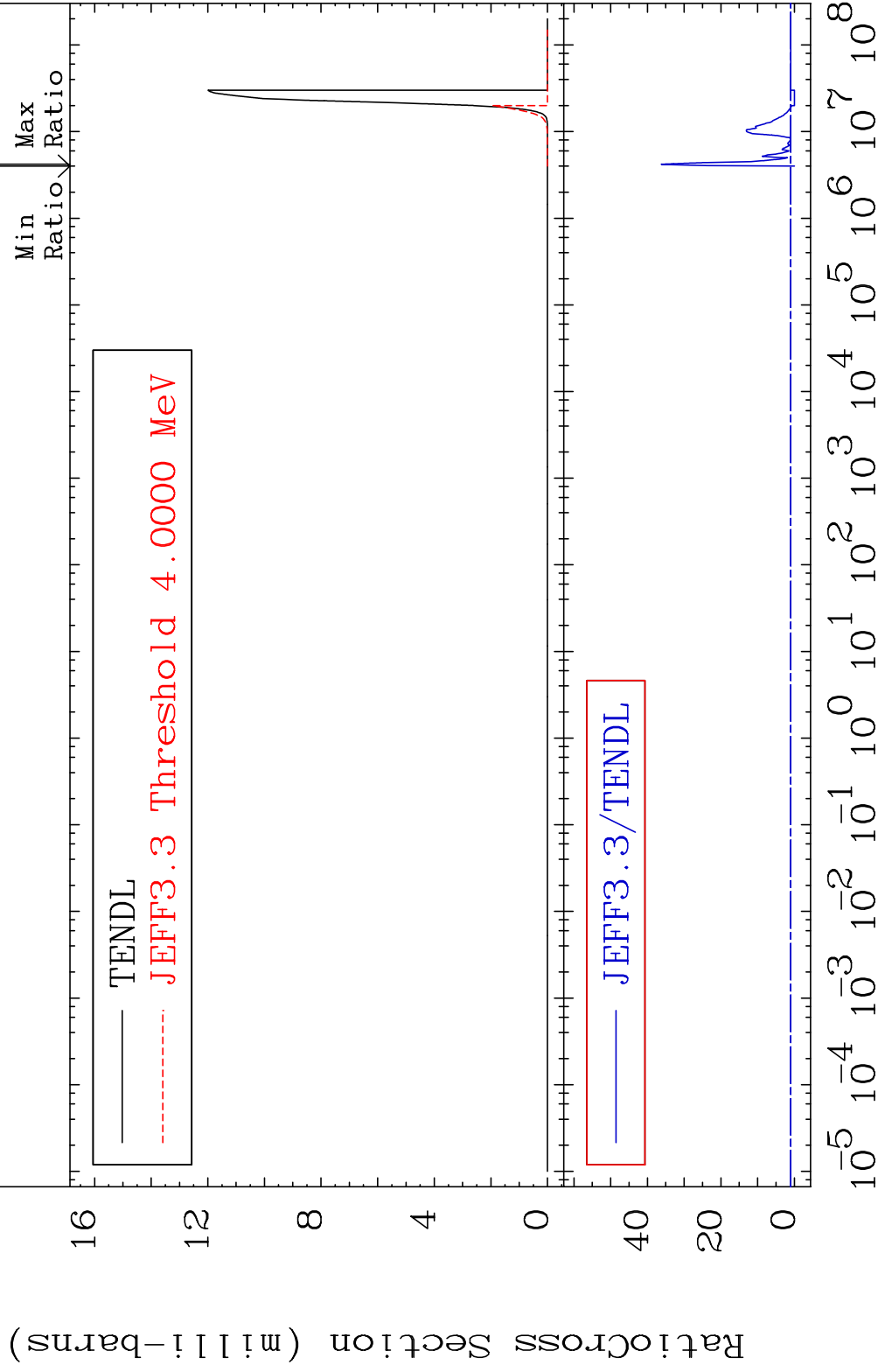
74-W -182

MAT 7431

(n, n')  $\alpha$

74-W -182

Cross Section -100.0 To 3524. %



7

Incident Energy (eV)

74-W -182

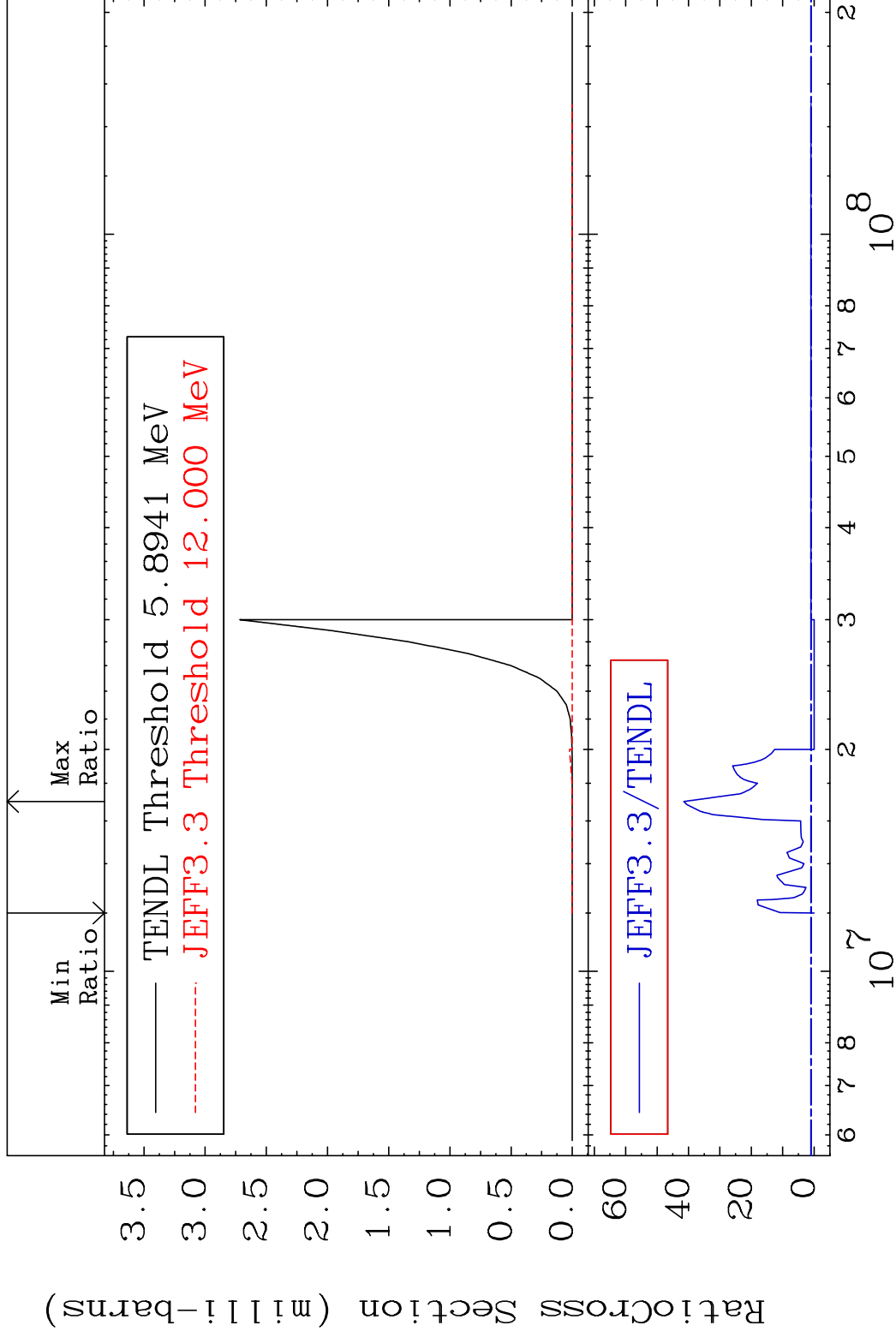


MAT 7431

(n,2n)  $\alpha$

74-W -182

Cross Section -100.0 To 4054. %



8

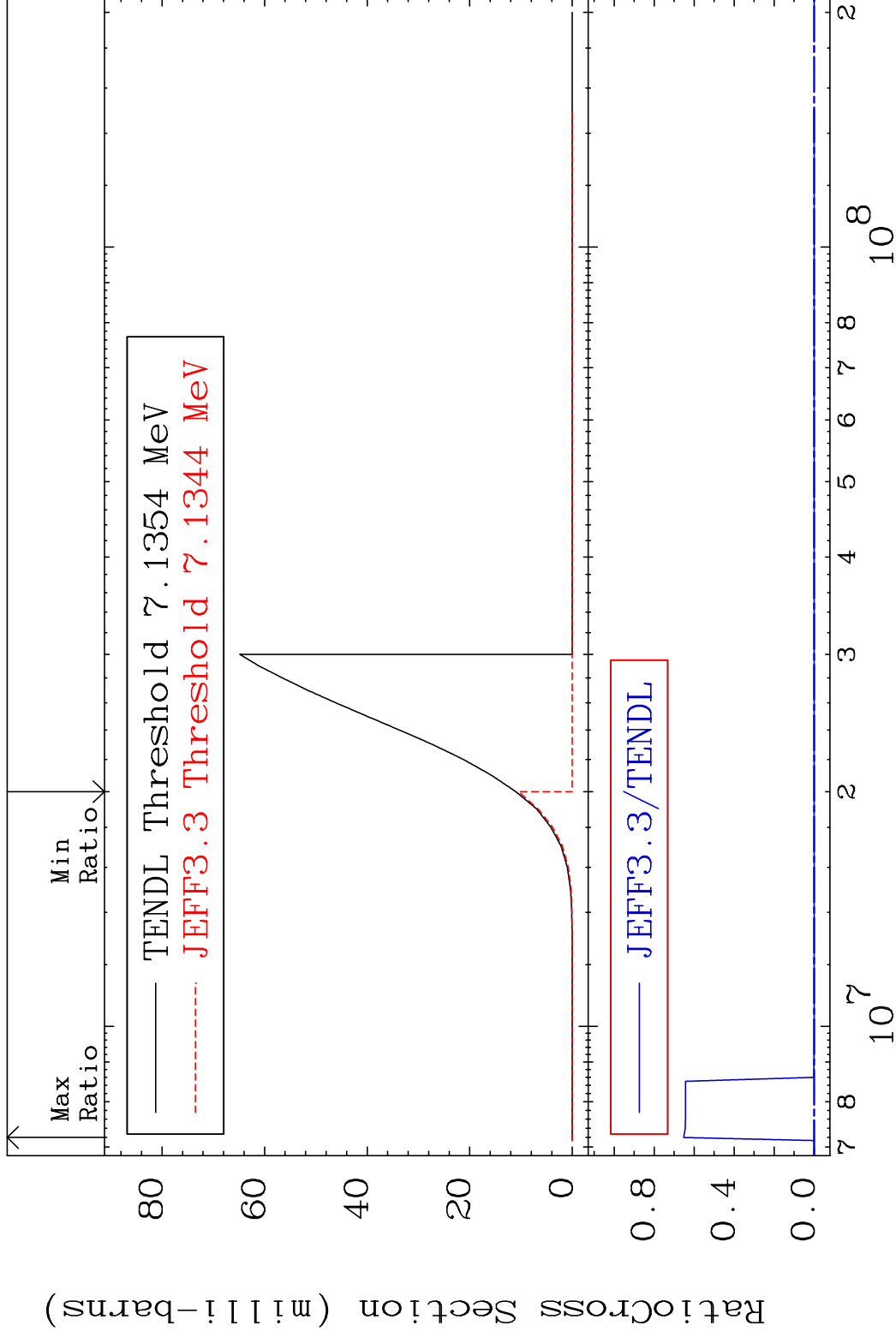
Incident Energy (eV)

74-W -182

MAT 7431

(n, n') p 74-W -182

Cross Section -100.0 To 9999. %



9

Incident Energy (eV)

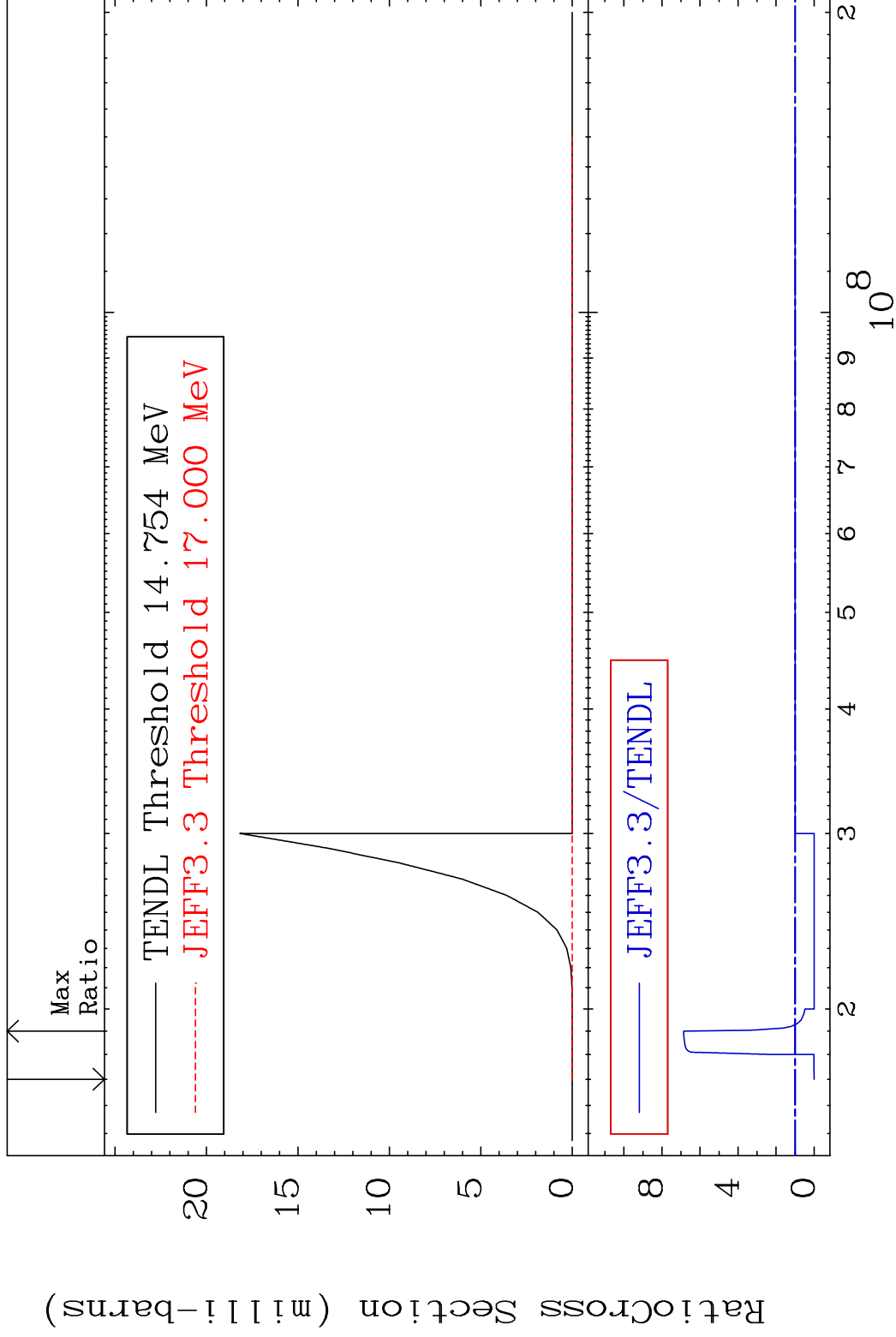
74-W -182

MAT 7431

(n,2n) p

74-W -182

Cross Section -100.0 To 586.0 %

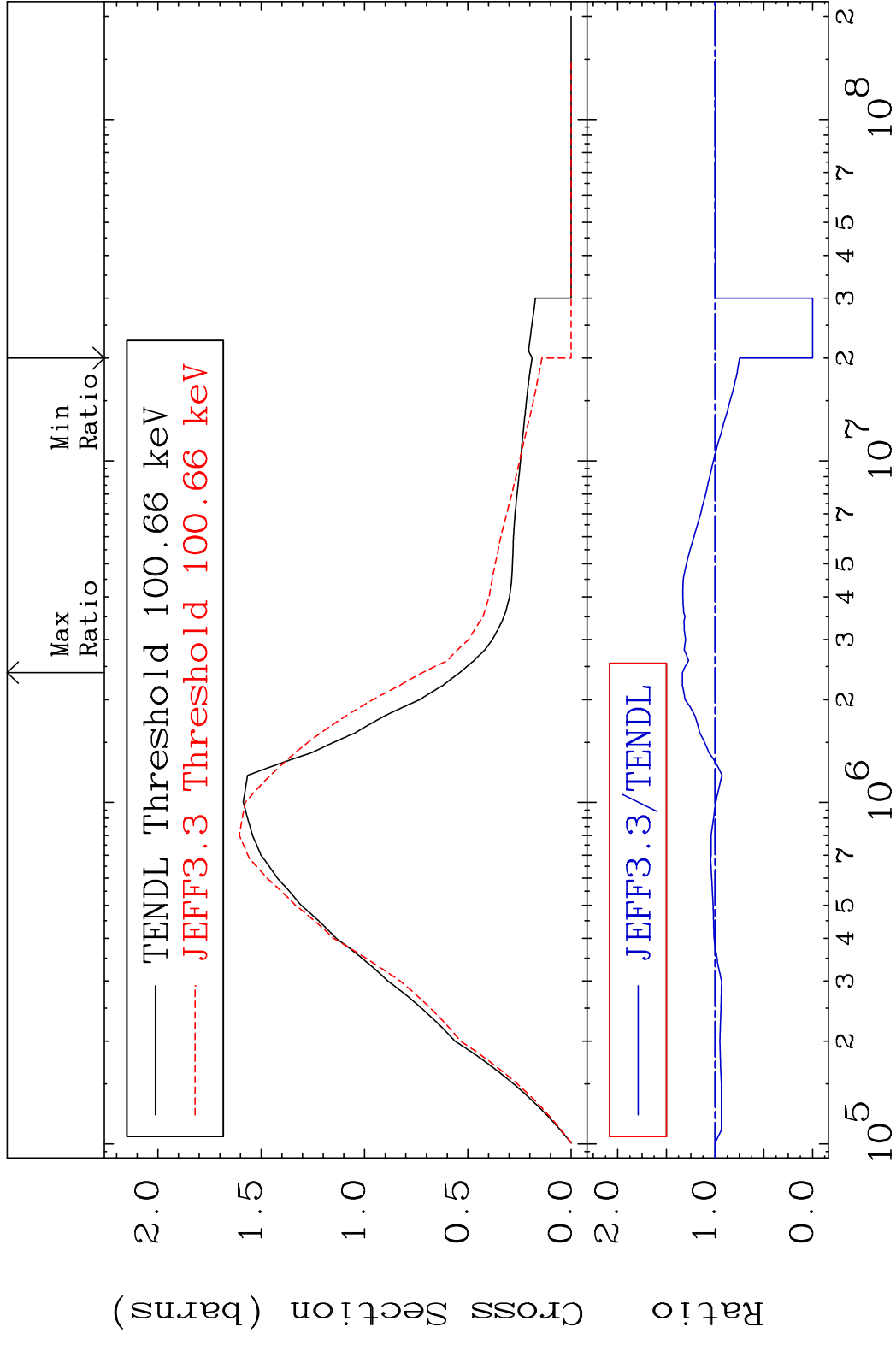


10

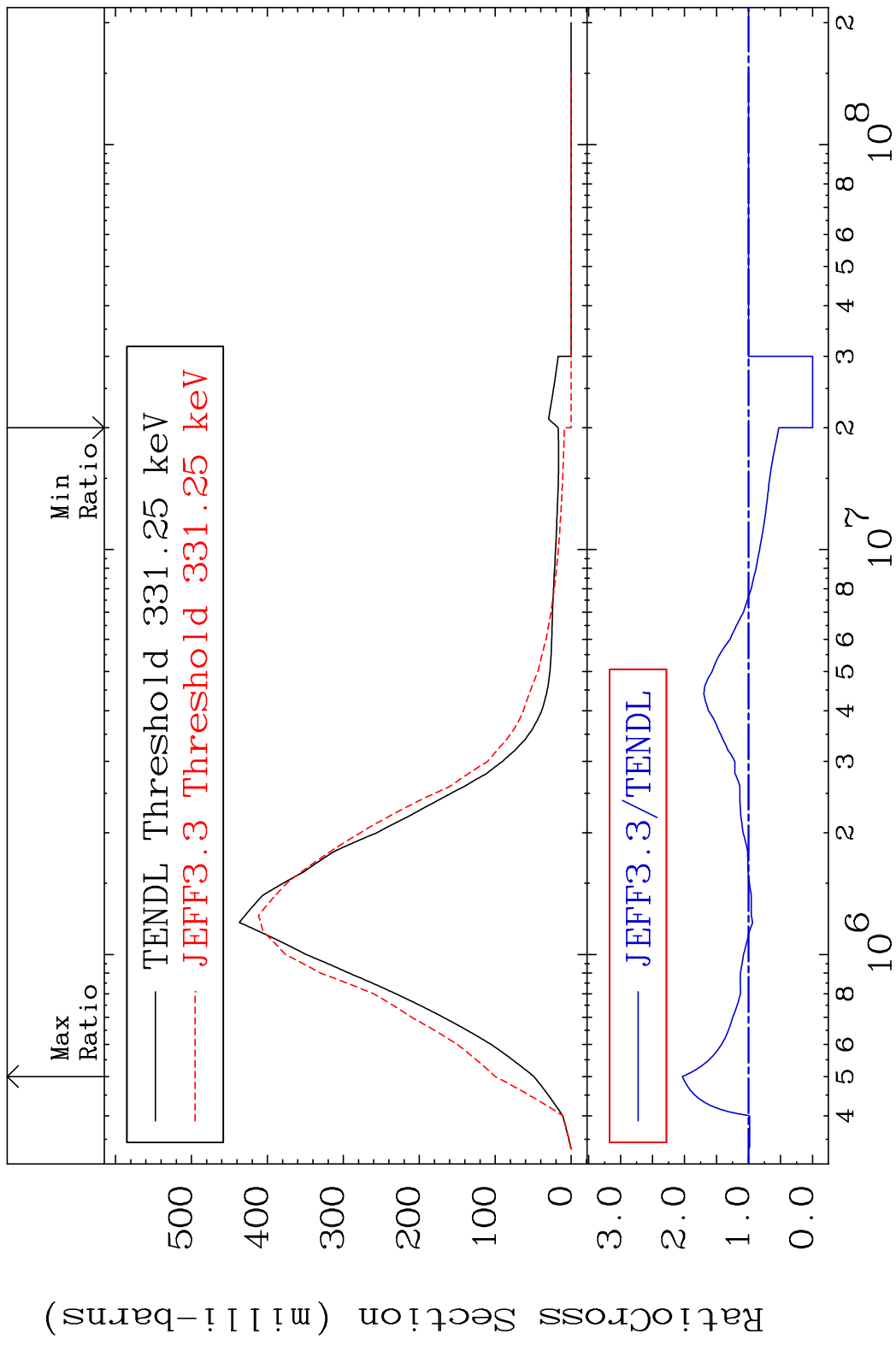
Incident Energy (eV)

74-W -182

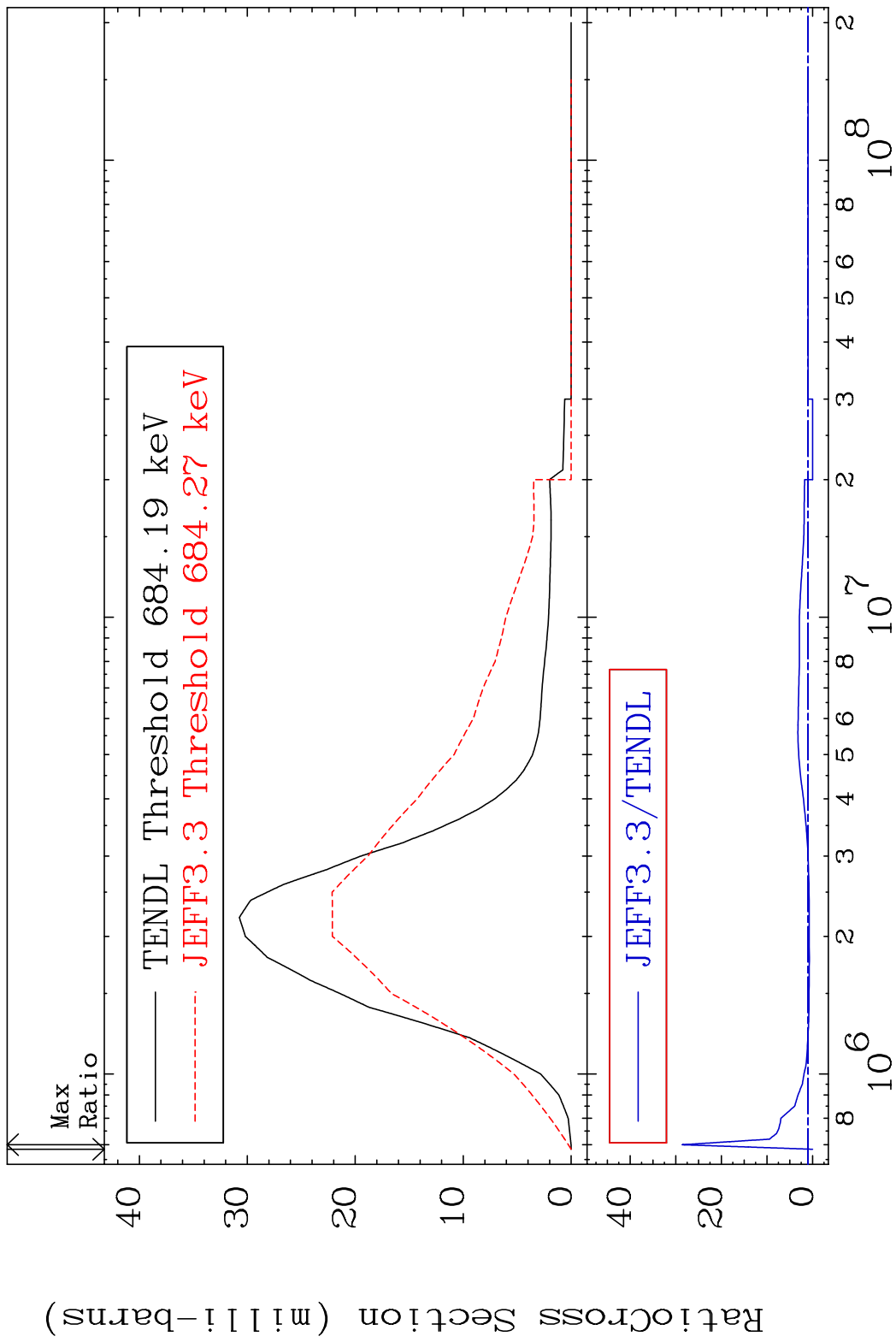
MAT 7431 MT= 51 (n, n') Level 74-W -182  
 Cross Section -100.0 To 33.63 %



MAT 7431 MT= 52 (n, n') Level 74-W -182  
 Cross Section -100.0 To 103.4 %

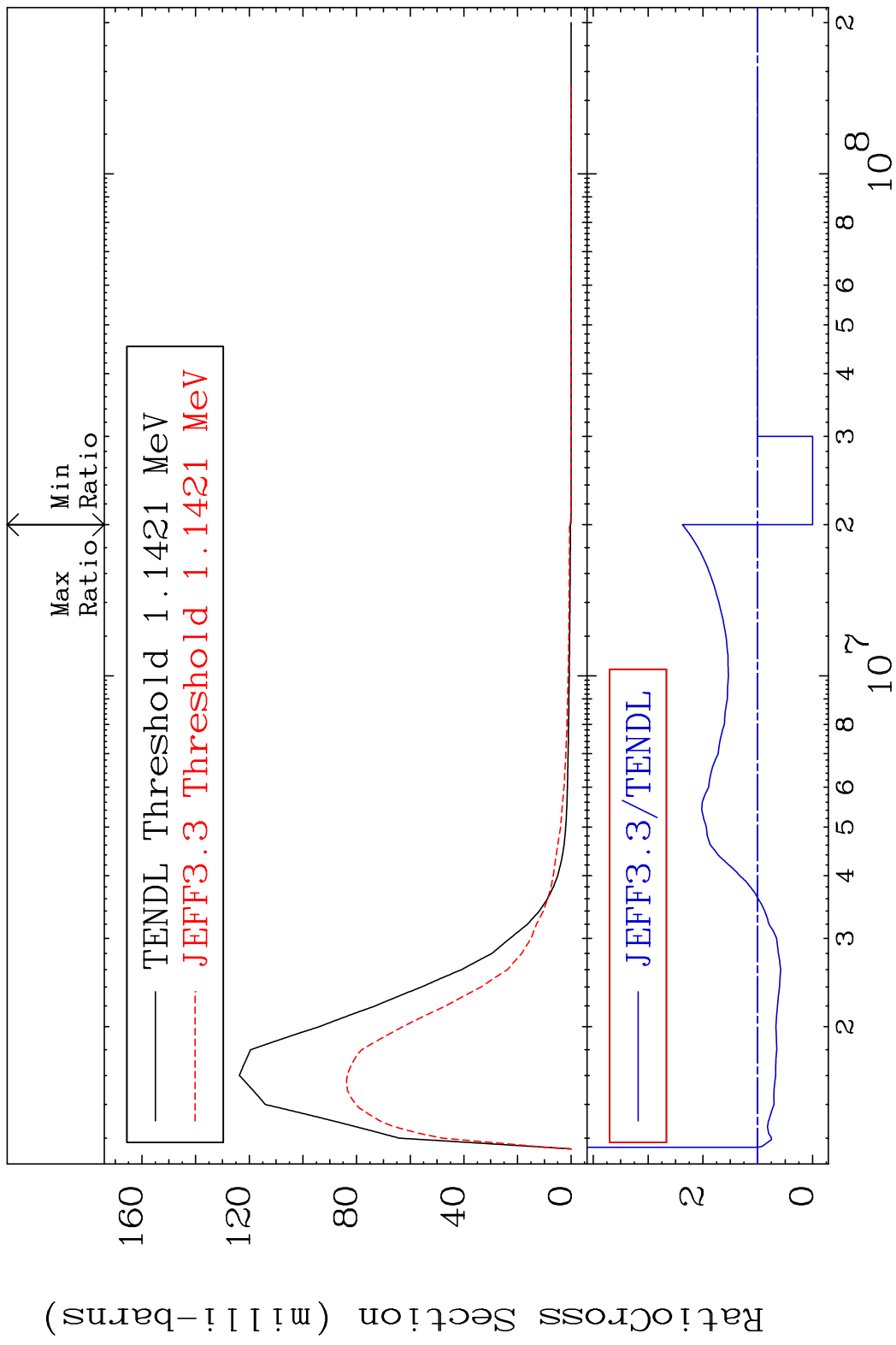


MAT 7431 MT= 53 (n,n') Level 74-W -182  
 Cross Section -100.0 To 2754. %

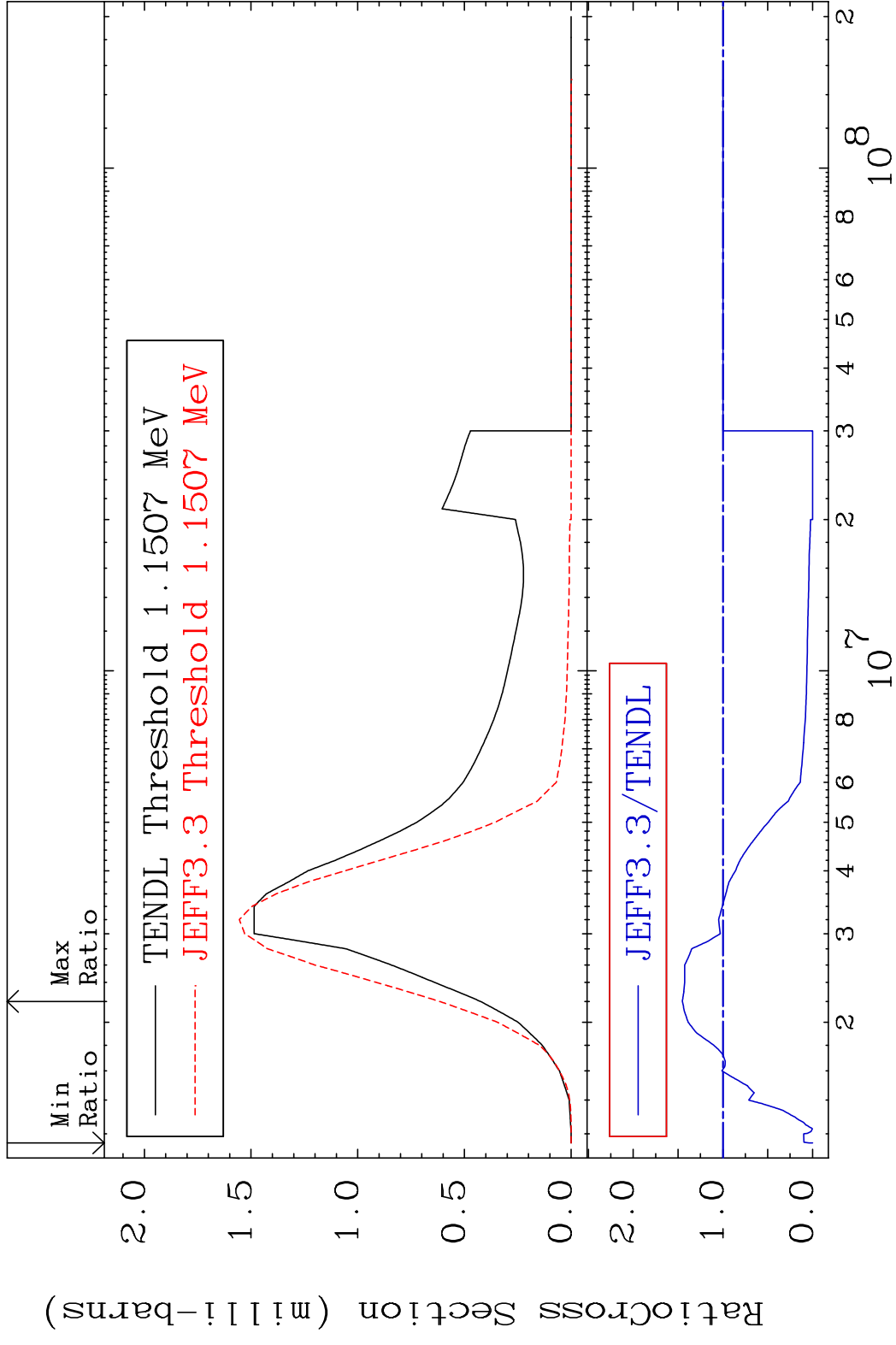


13 Incident Energy (eV) 74-W -182

MAT 7431 MT= 54 (n, n') Level 74-W -182  
 Cross Section -100.0 To 137.5 %

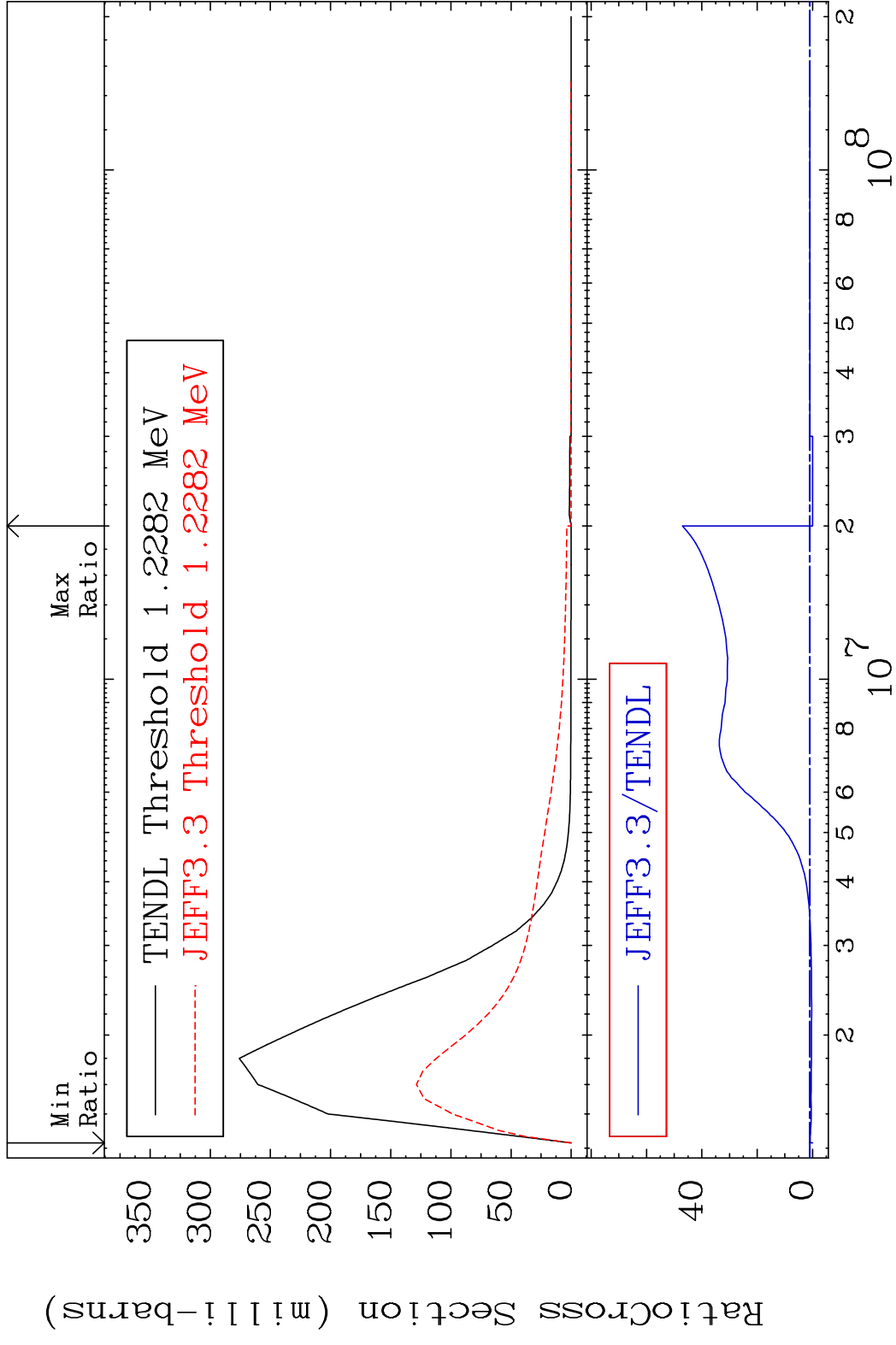


MAT 7431 MT= 55 (n, n') Level 74-W -182  
 Cross Section -100.0 To 45.19 %





MAT 7431 MT= 56 (n, n') Level 74-W -182  
 Cross Section -100.0 To 4605. %

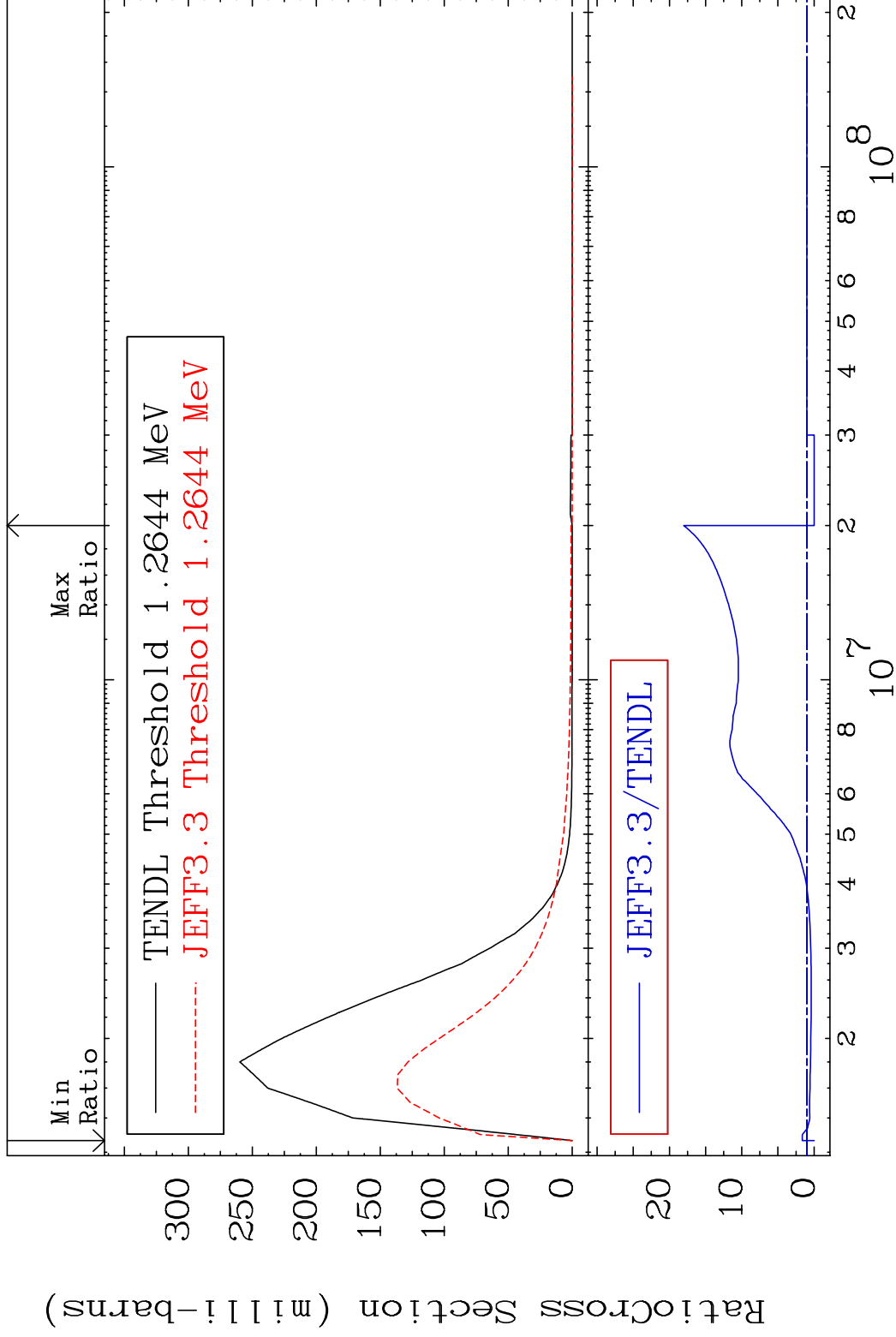


MAT 7431

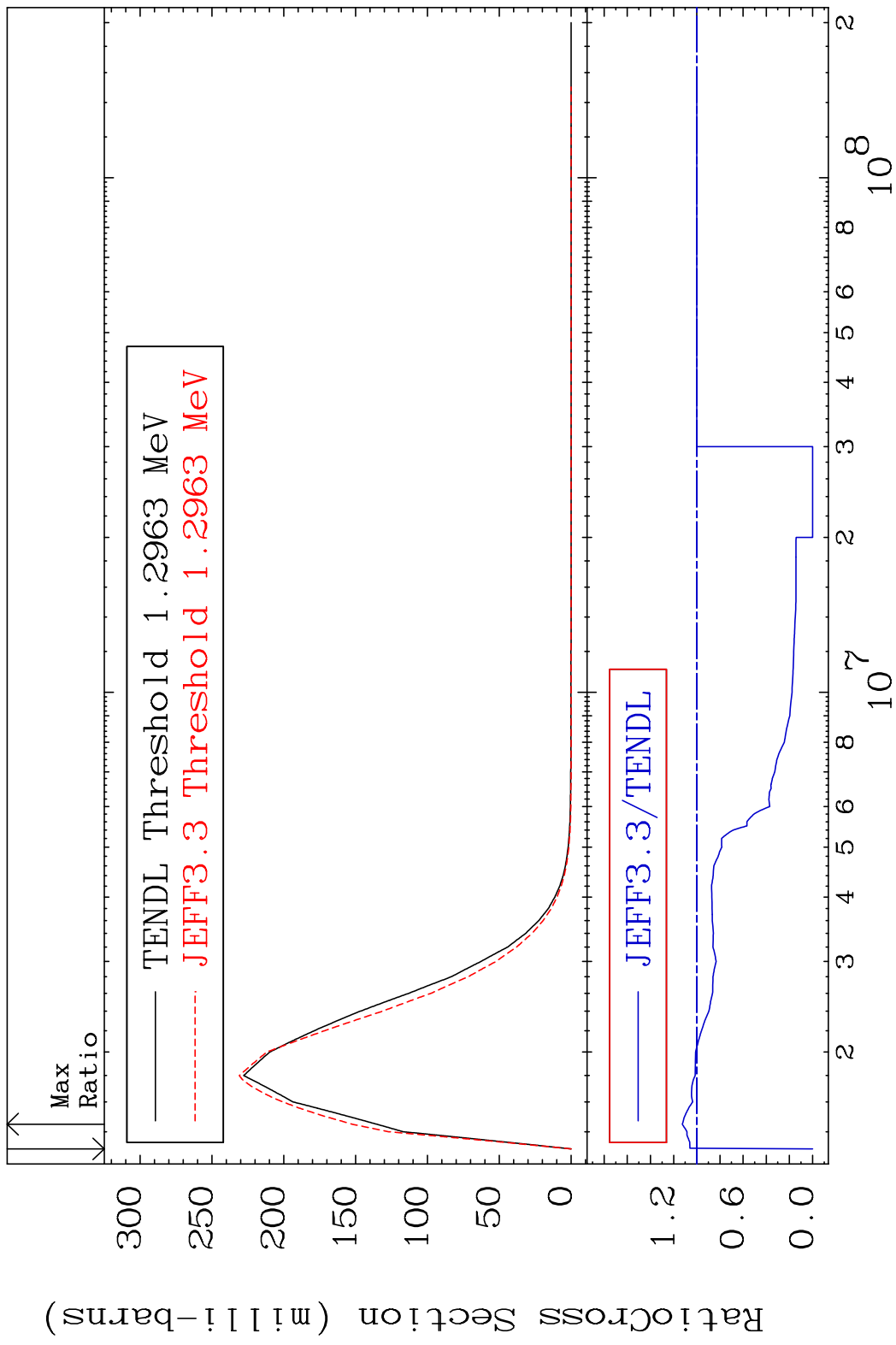
MT= 57 (n, n') Level

74-W -182

Cross Section -100.0 To 1703. %

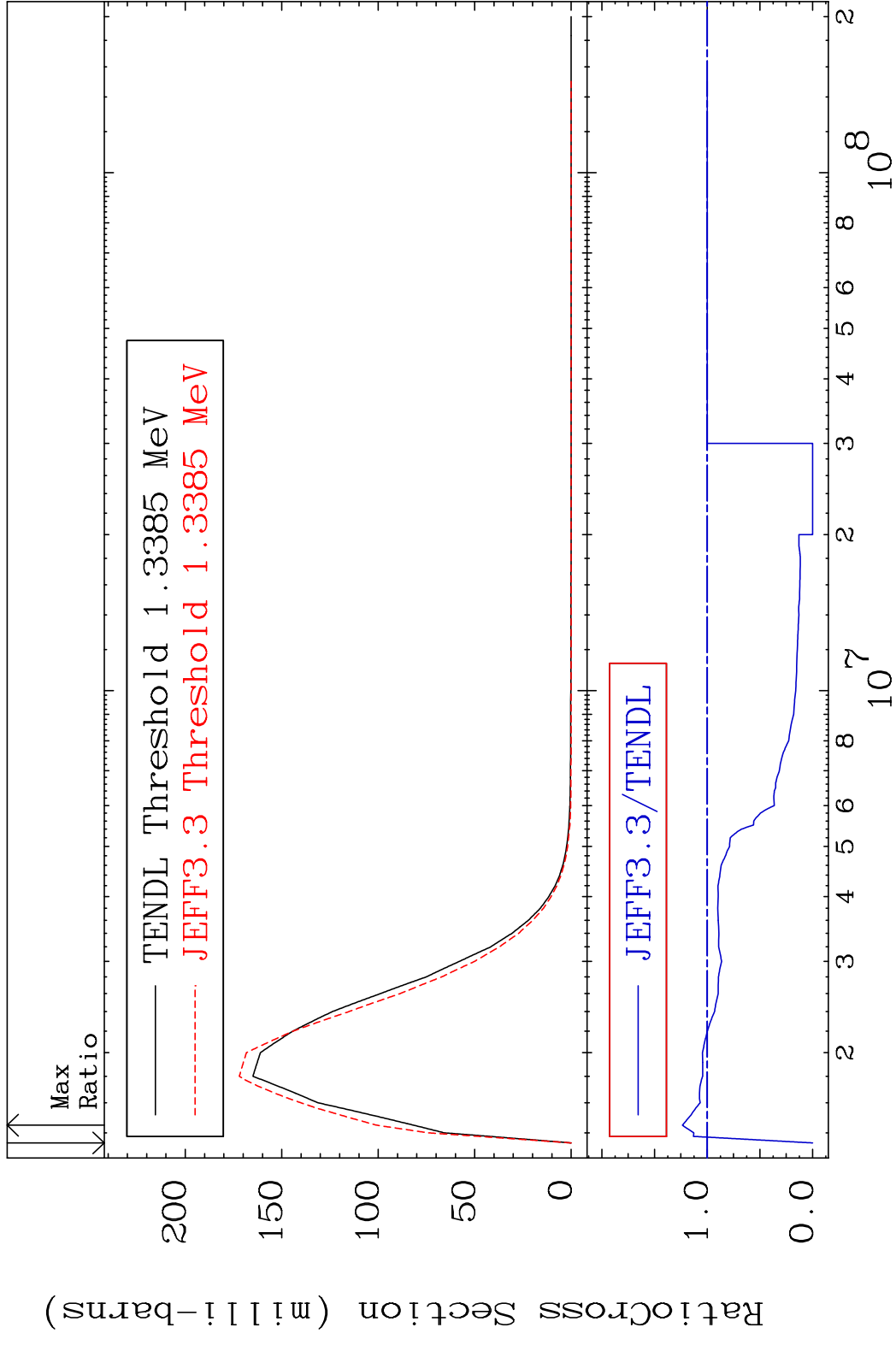


MAT 7431 MT= 58 (n, n') Level 74-W -182  
 Cross Section -100.0 To 12.46 %

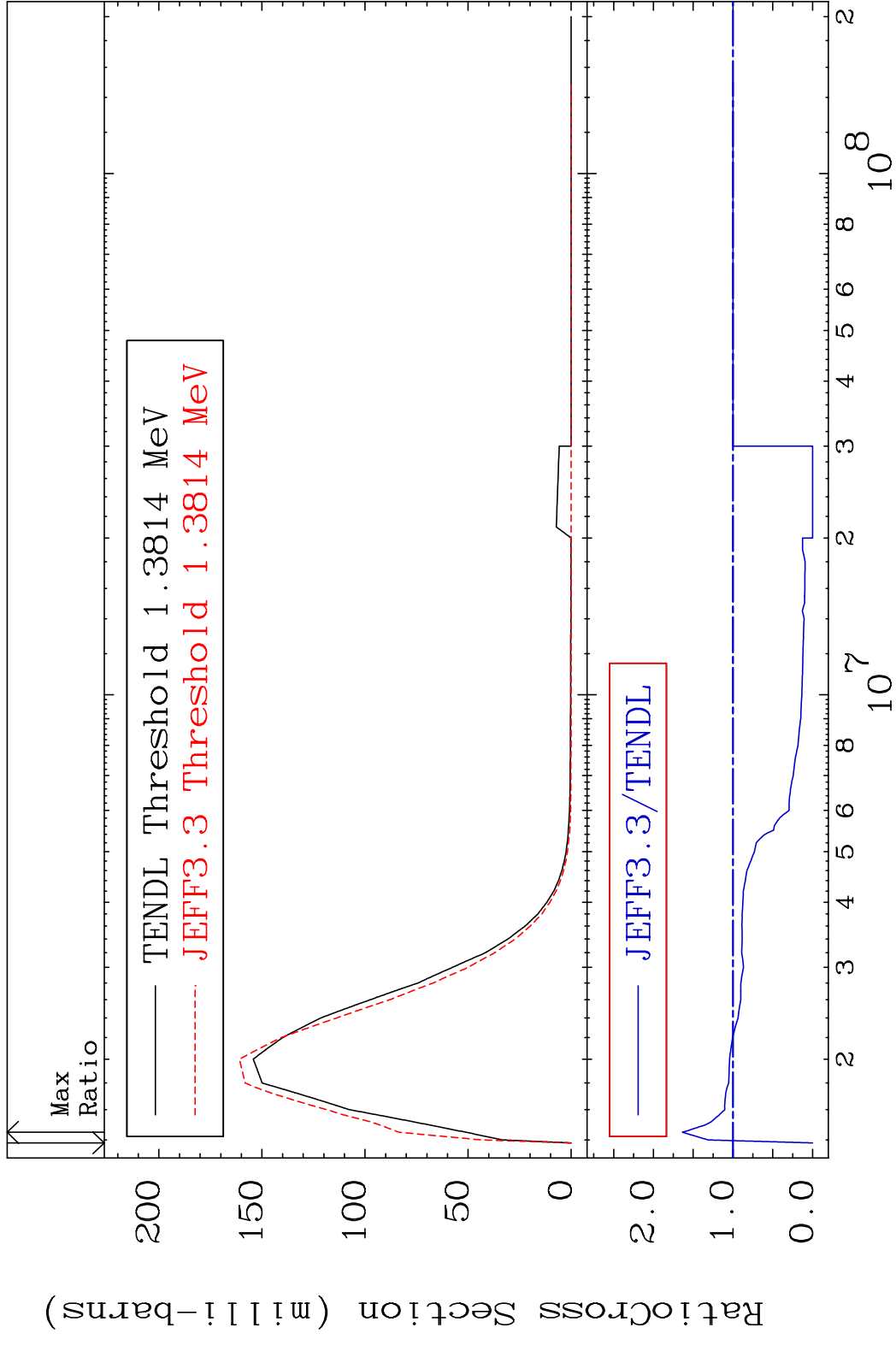


18 Incident Energy (eV) 74-W -182

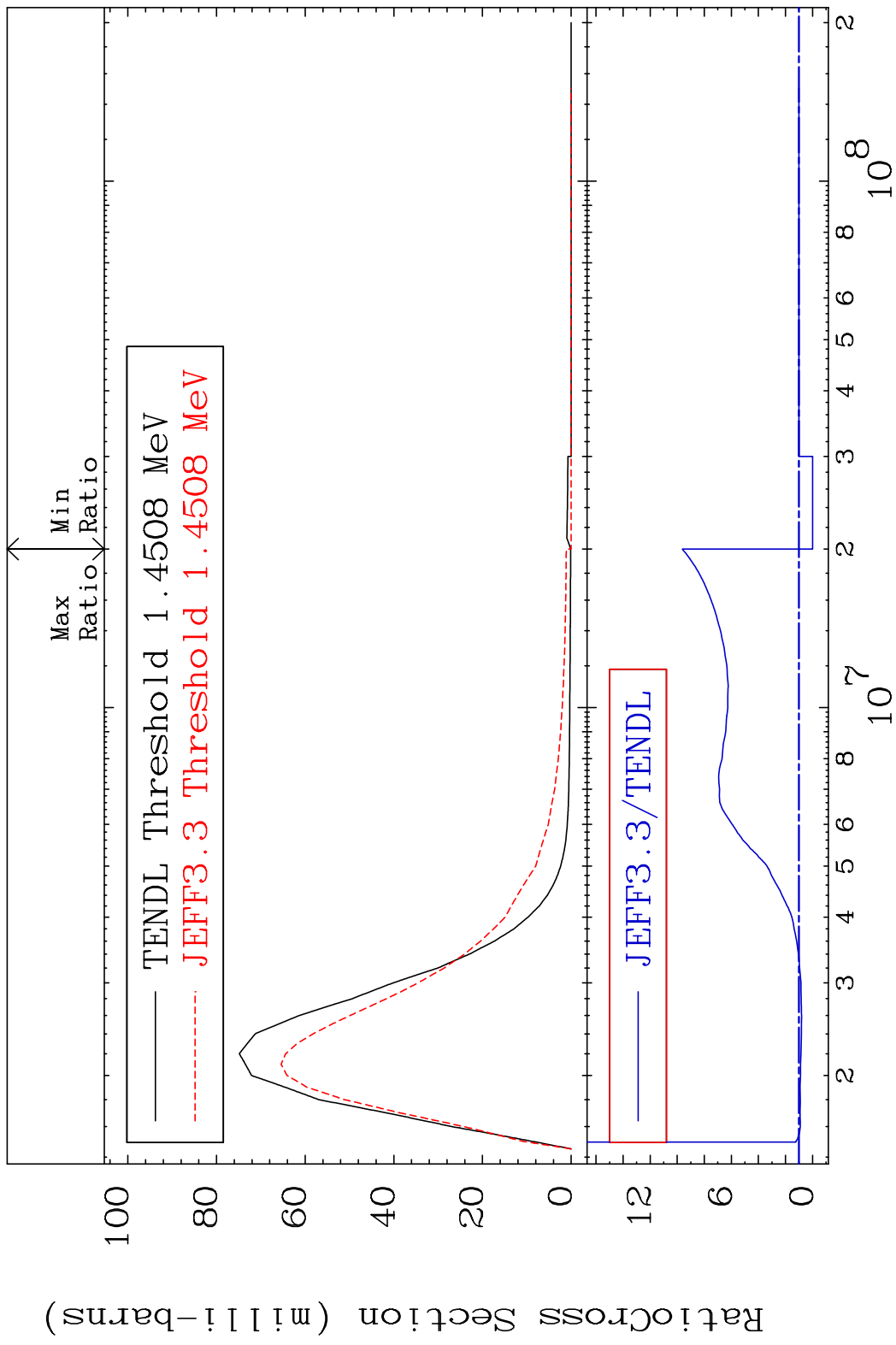
MAT 7431 MT= 59 (n, n') Level 74-W -182  
 Cross Section -100.0 To 23.60 %



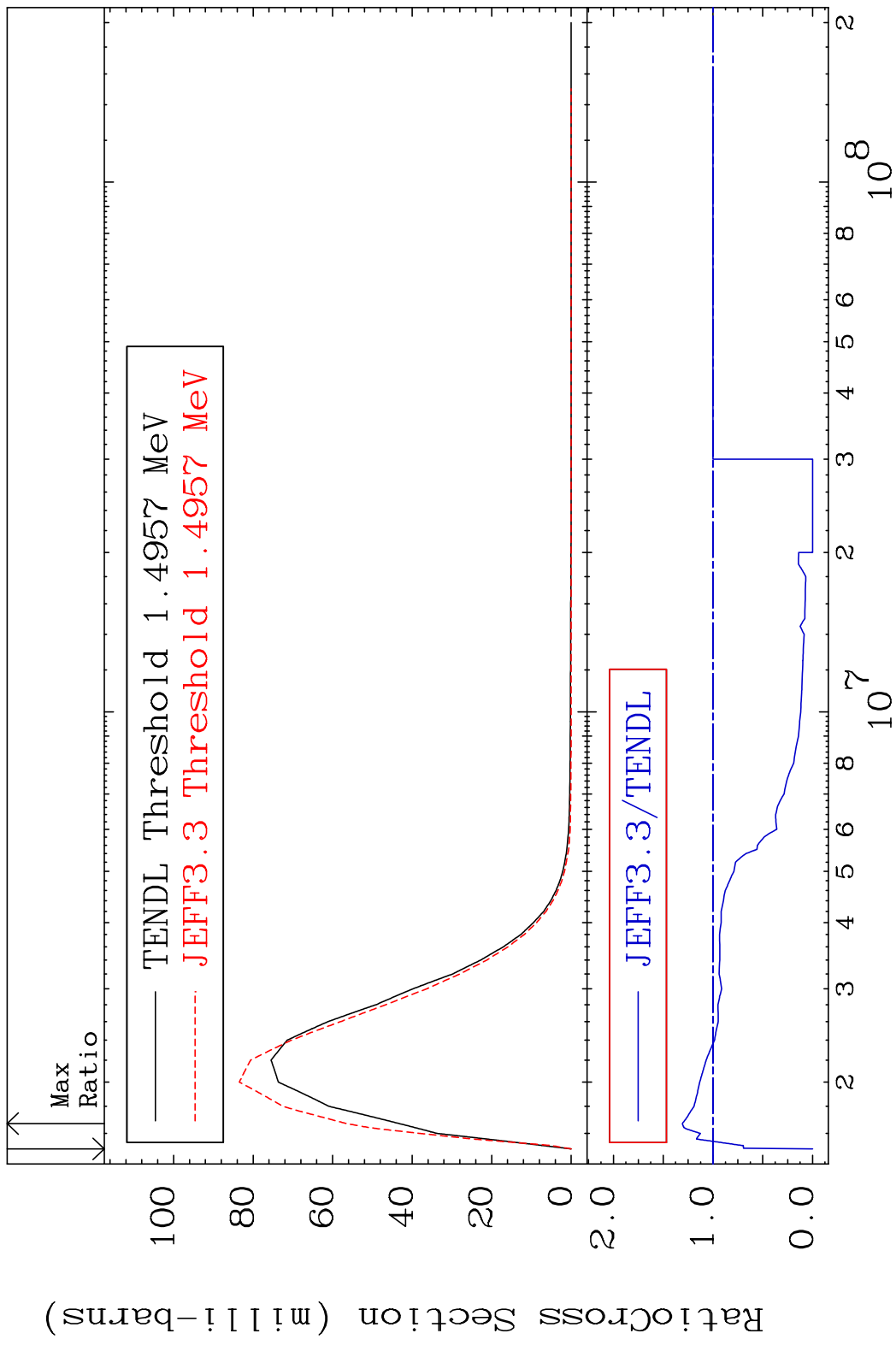
MAT 7431 MT= 60 (n, n') Level 74-W -182  
 Cross Section -100.0 To 63.64 %



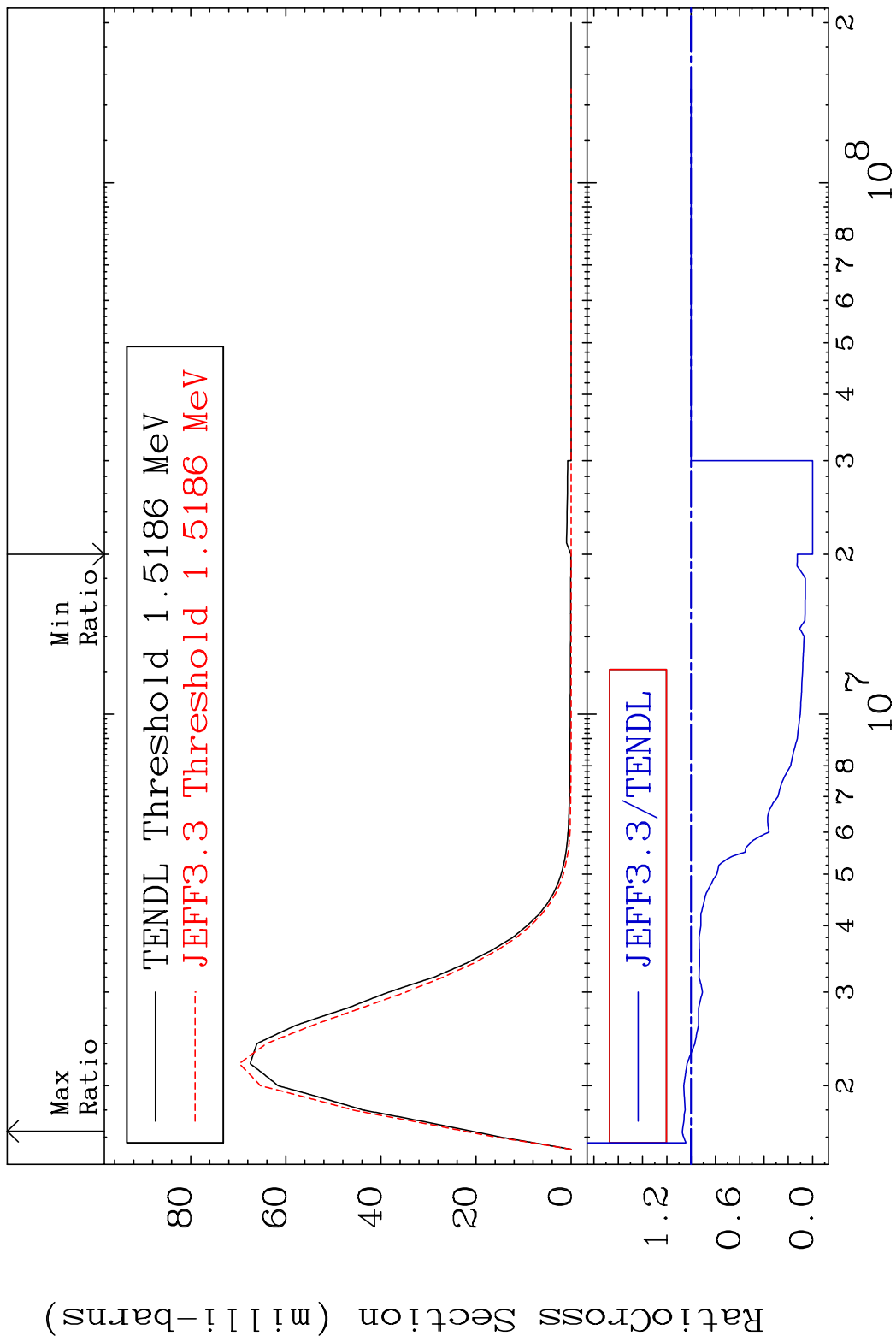
MAT 7431 MT= 61 (n, n') Level 74-W -182  
 Cross Section -100.0 To 862.1 %



MAT 7431 MT= 62 (n,n') Level 74-W -182  
 Cross Section -100.0 To 30.78 %

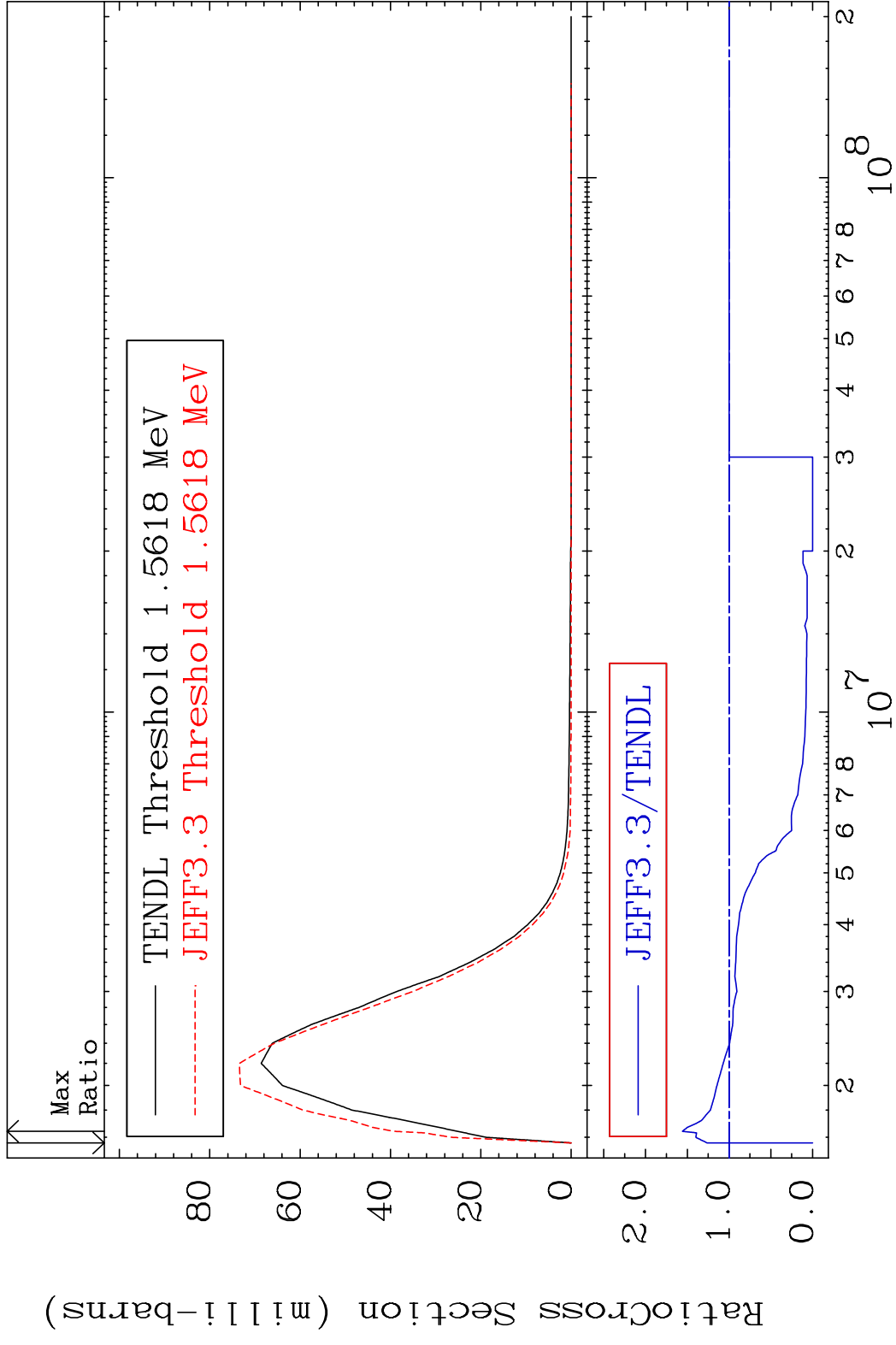


MAT 7431 MT= 63 (n, n') Level 74-W -182  
 Cross Section -100.0 To 7.214 %

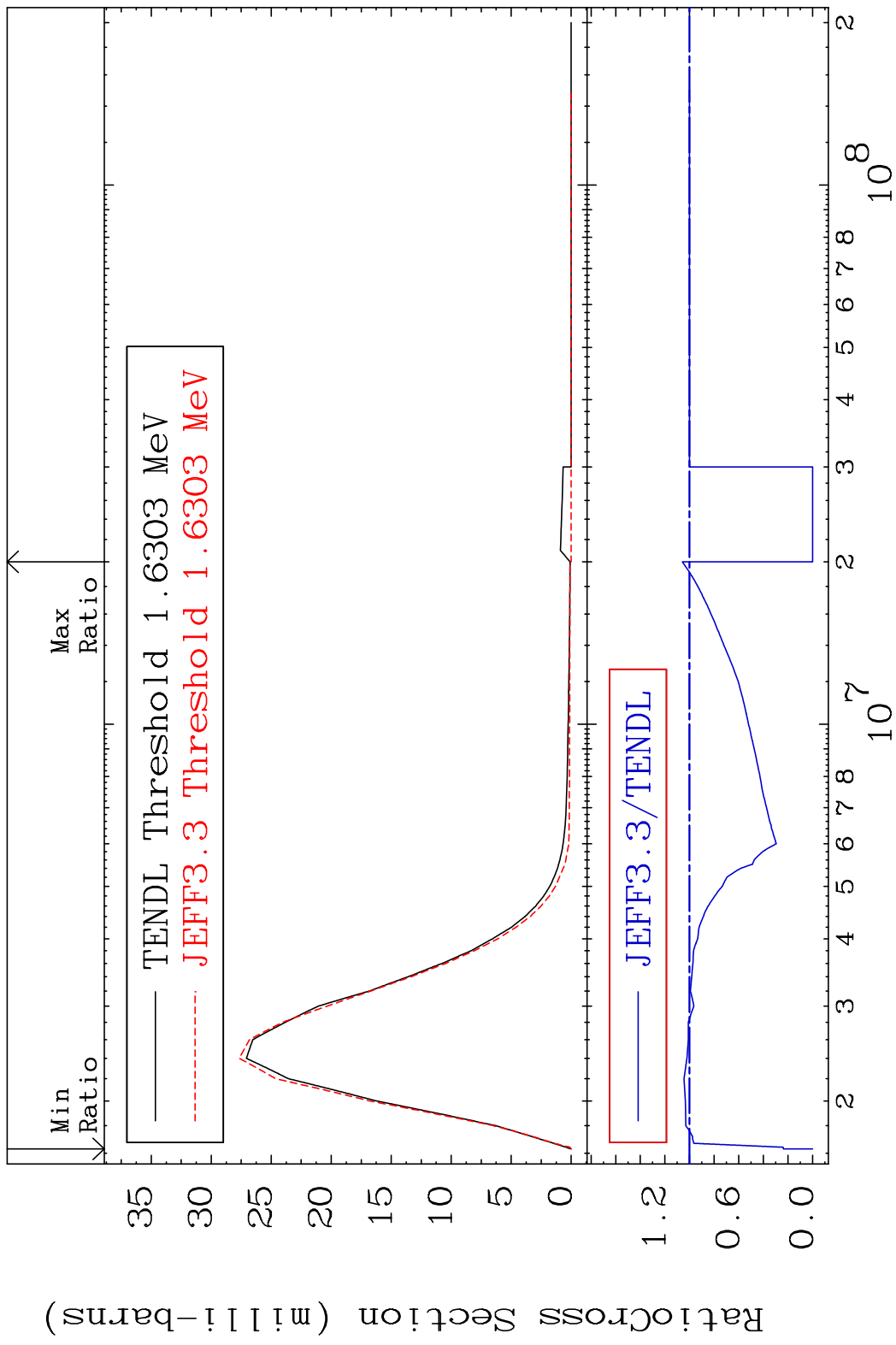




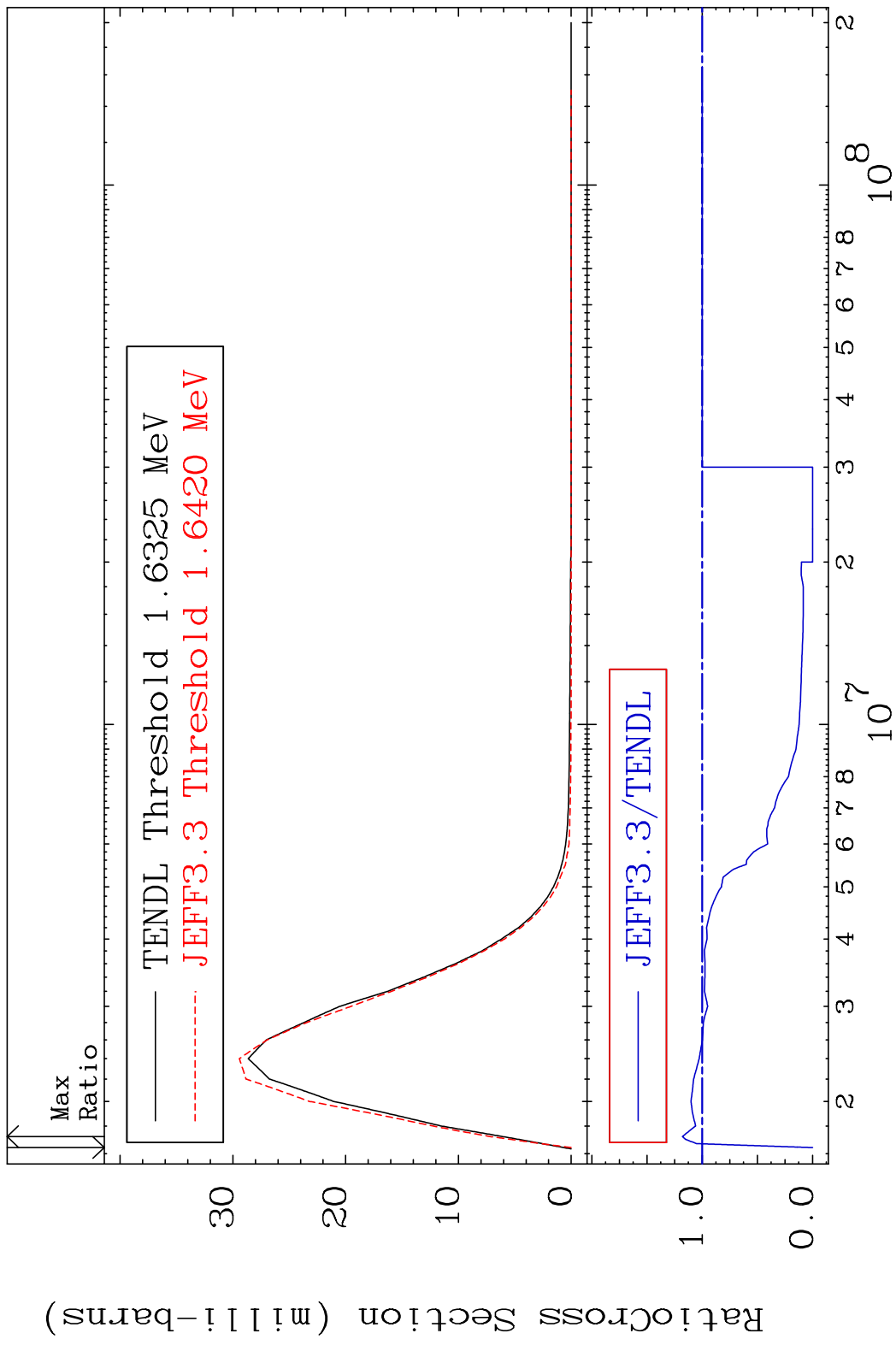
MAT 7431 MT= 64 (n,n') Level 74-W -182  
 Cross Section -100.0 To 55.93 %



MAT 7431 MT= 65 (n, n') Level 74-W -182  
 Cross Section -100.0 To 5.824 %



MAT 7431 MT= 66 (n,n') Level 74-W -182  
 Cross Section -100.0 To 17.97 %

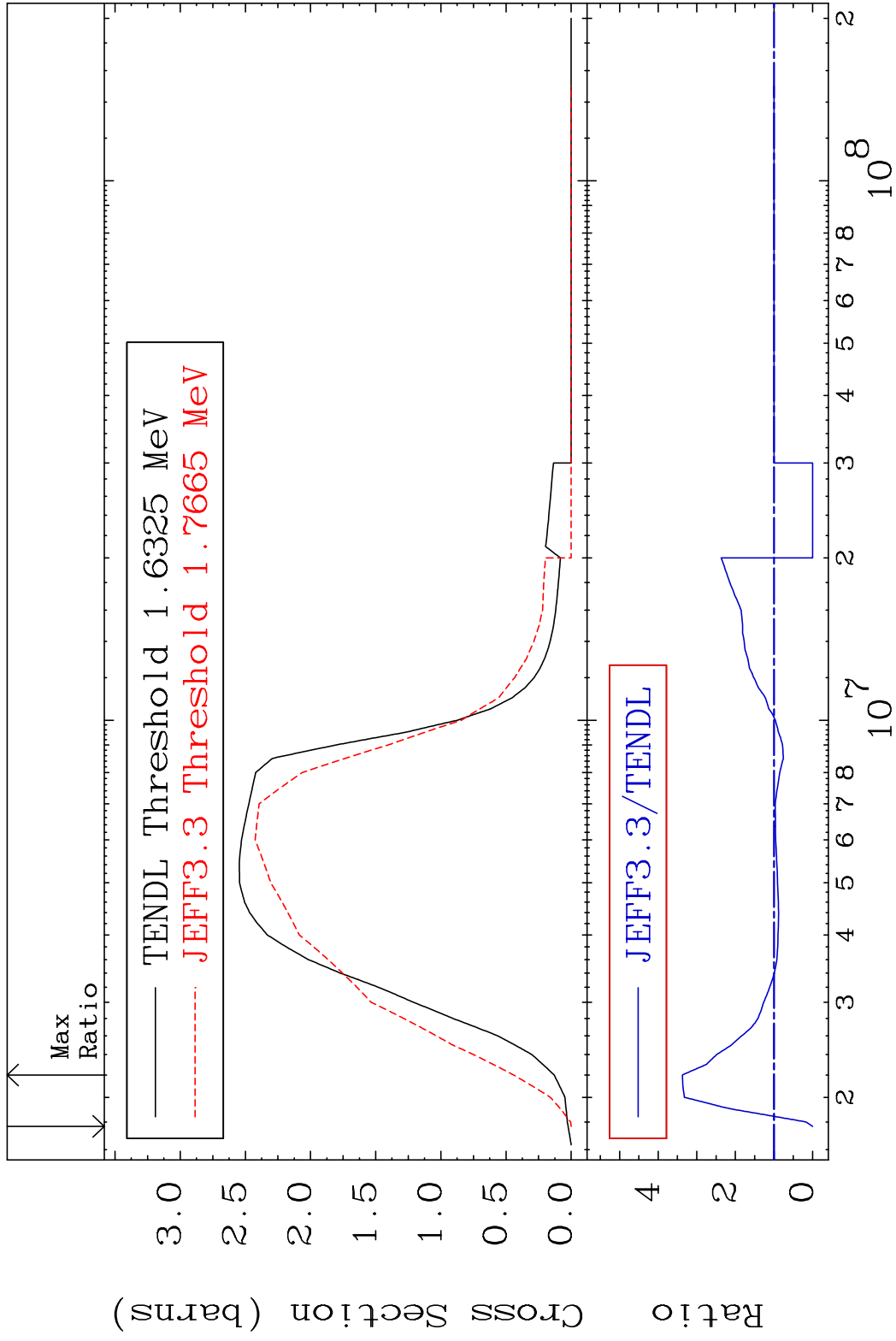


MAT 7431

(n, n') Continuum

74-W -182

Cross Section -100.0 To 237.4 %

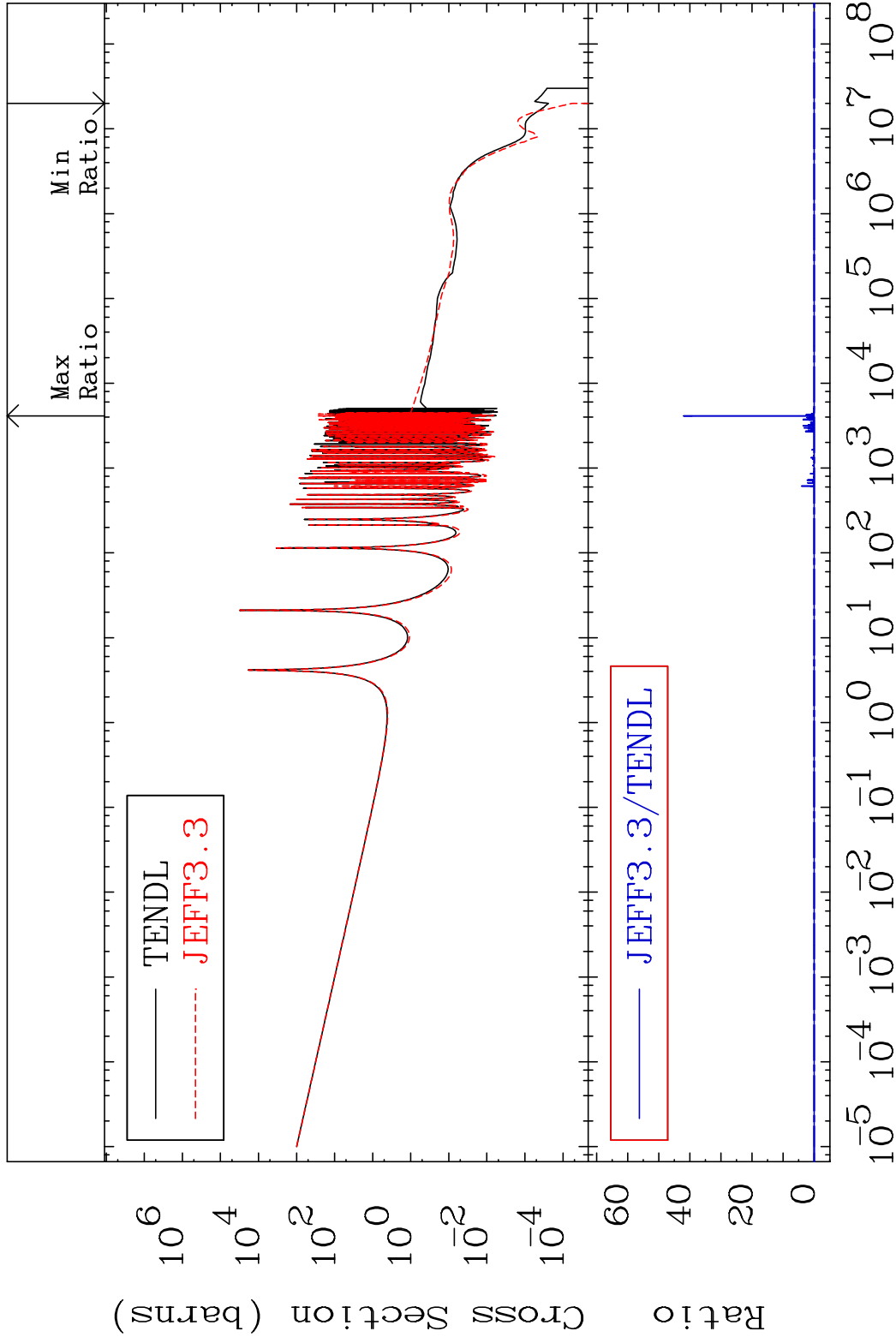


MAT 7431

(n,  $\gamma$ )

74-W -182

Cross Section -100.0 To 9999. %



28

Incident Energy (eV)

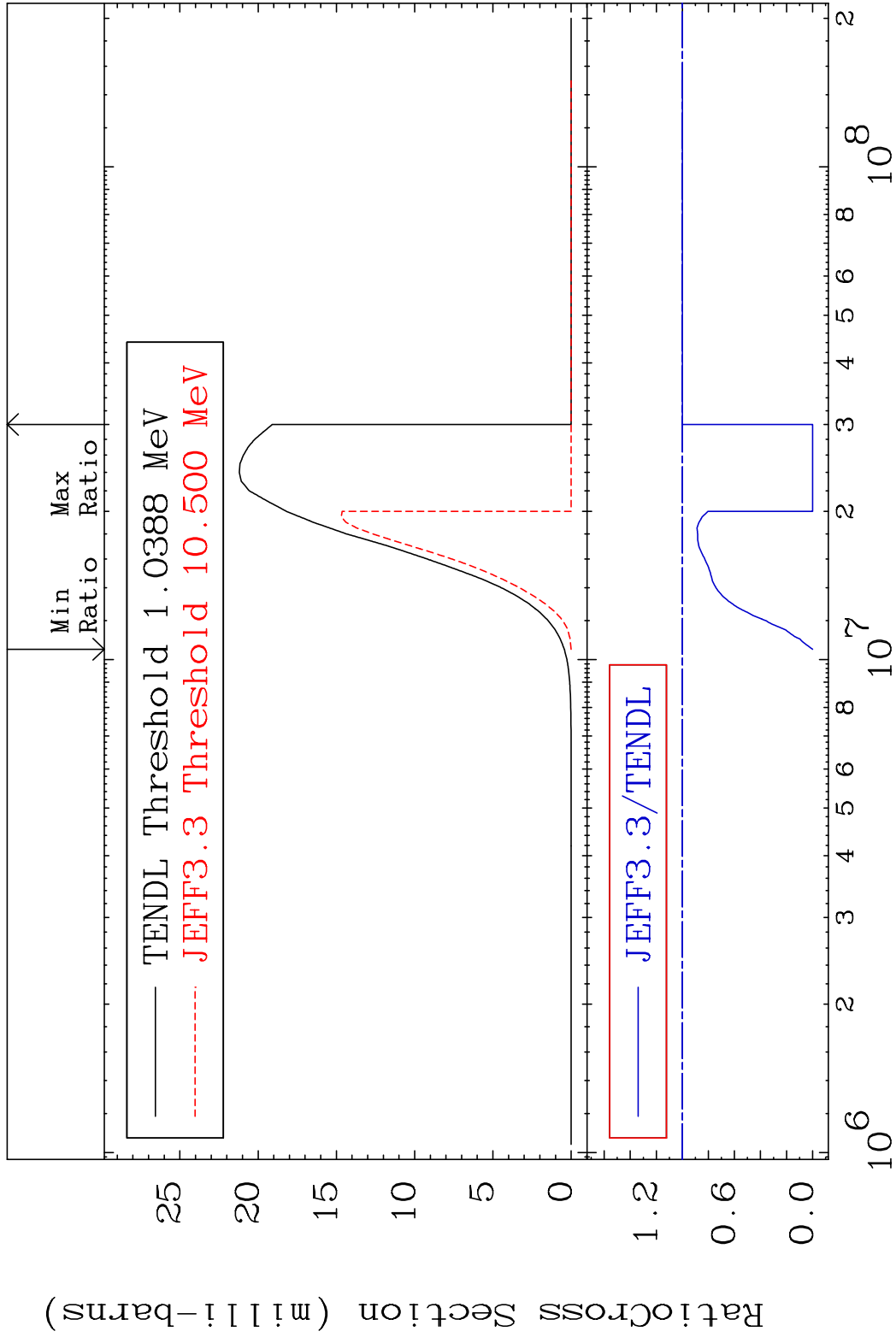
74-W -182

MAT 7431

(n, p)

74-W -182

Cross Section -100.0 To 0.000 %

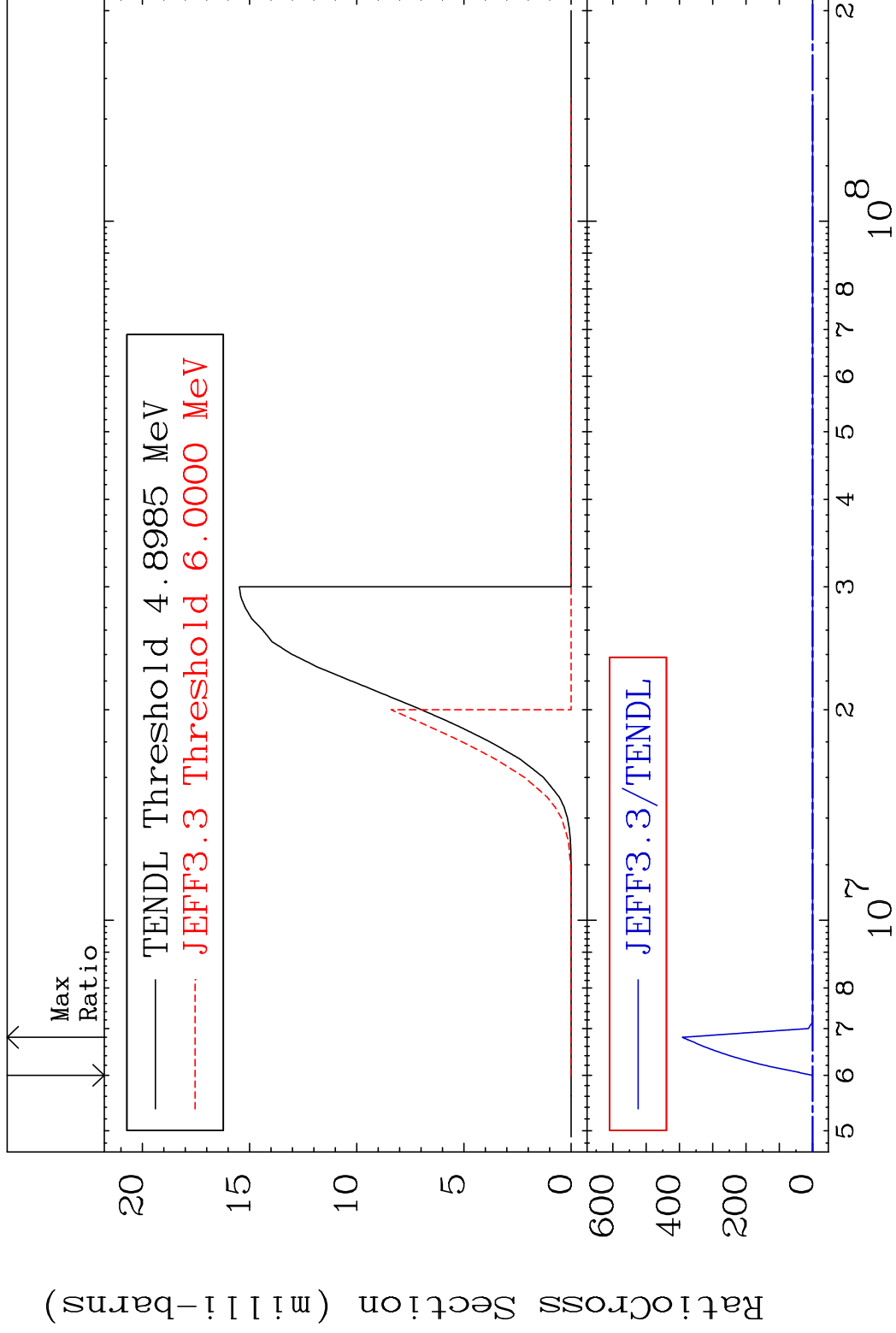


MAT 7431

(n, d)

74-W -182

Cross Section -100.0 To 9999. %



30

Incident Energy (eV)

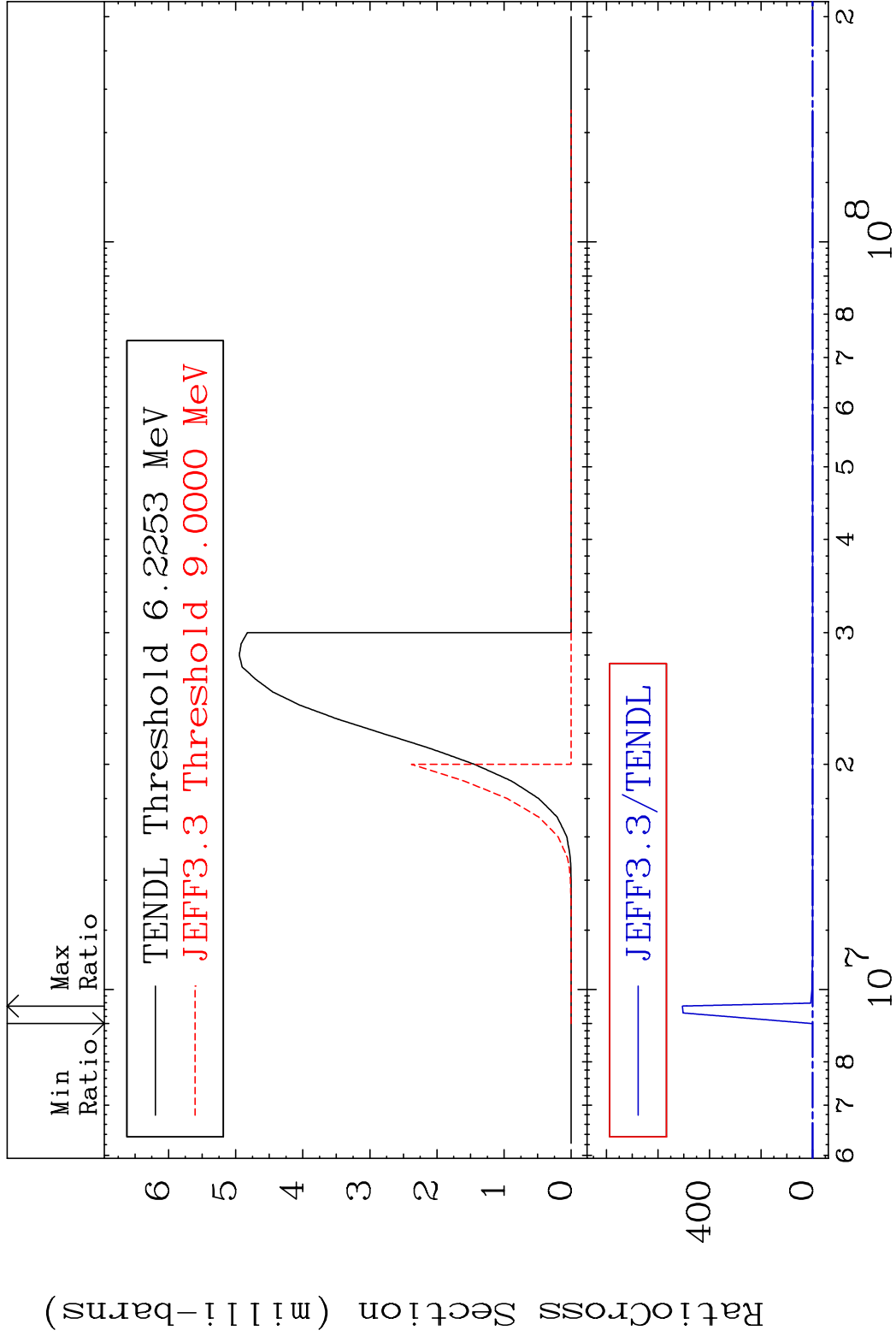
74-W -182

MAT 7431

(n, t)

74-W -182

Cross Section -100.0 To 9999. %



31

Incident Energy (eV)

74-W -182

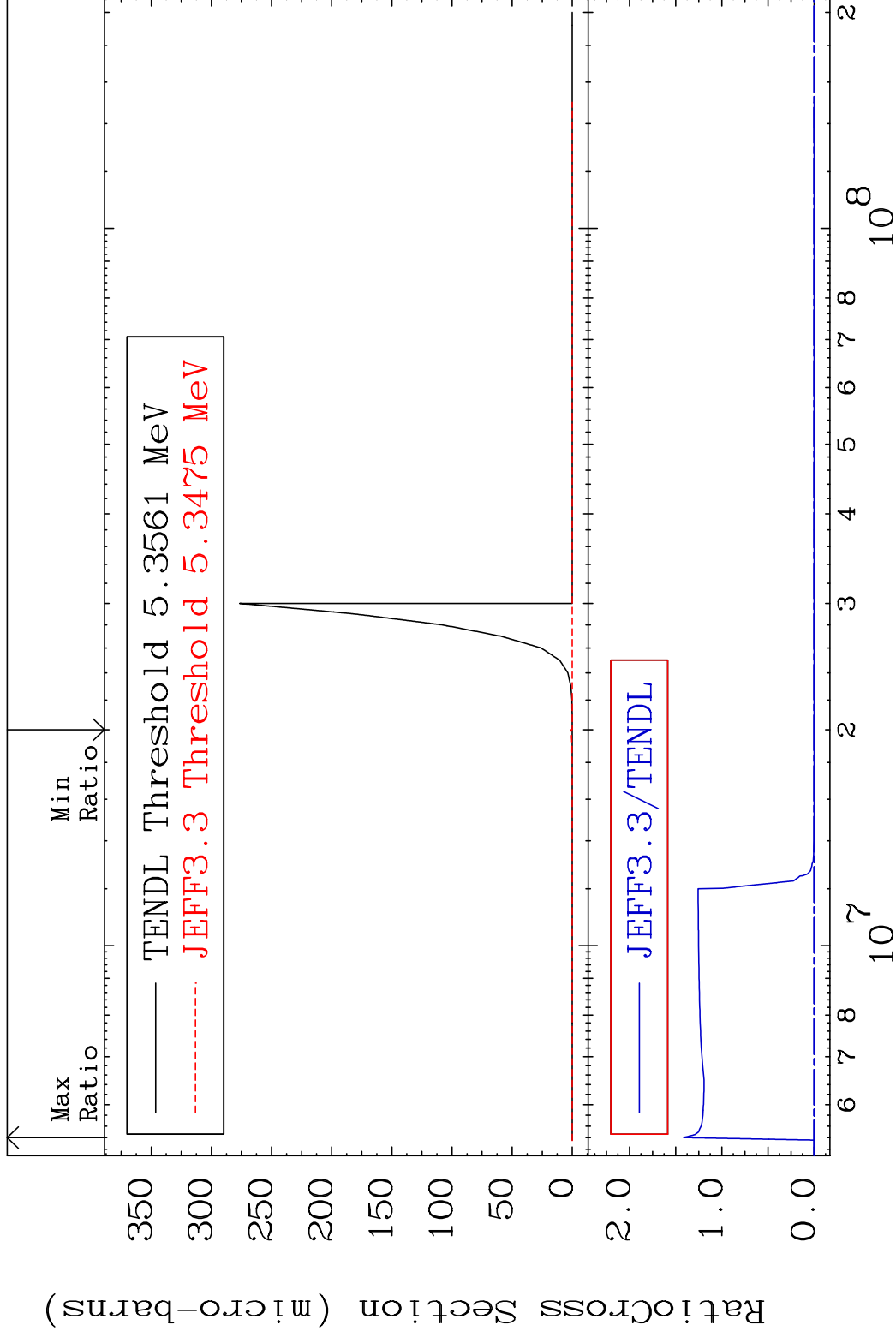


MAT 7431

(n, He-3)

74-W -182

Cross Section -100.0 To 9999. %



32

Incident Energy (eV)

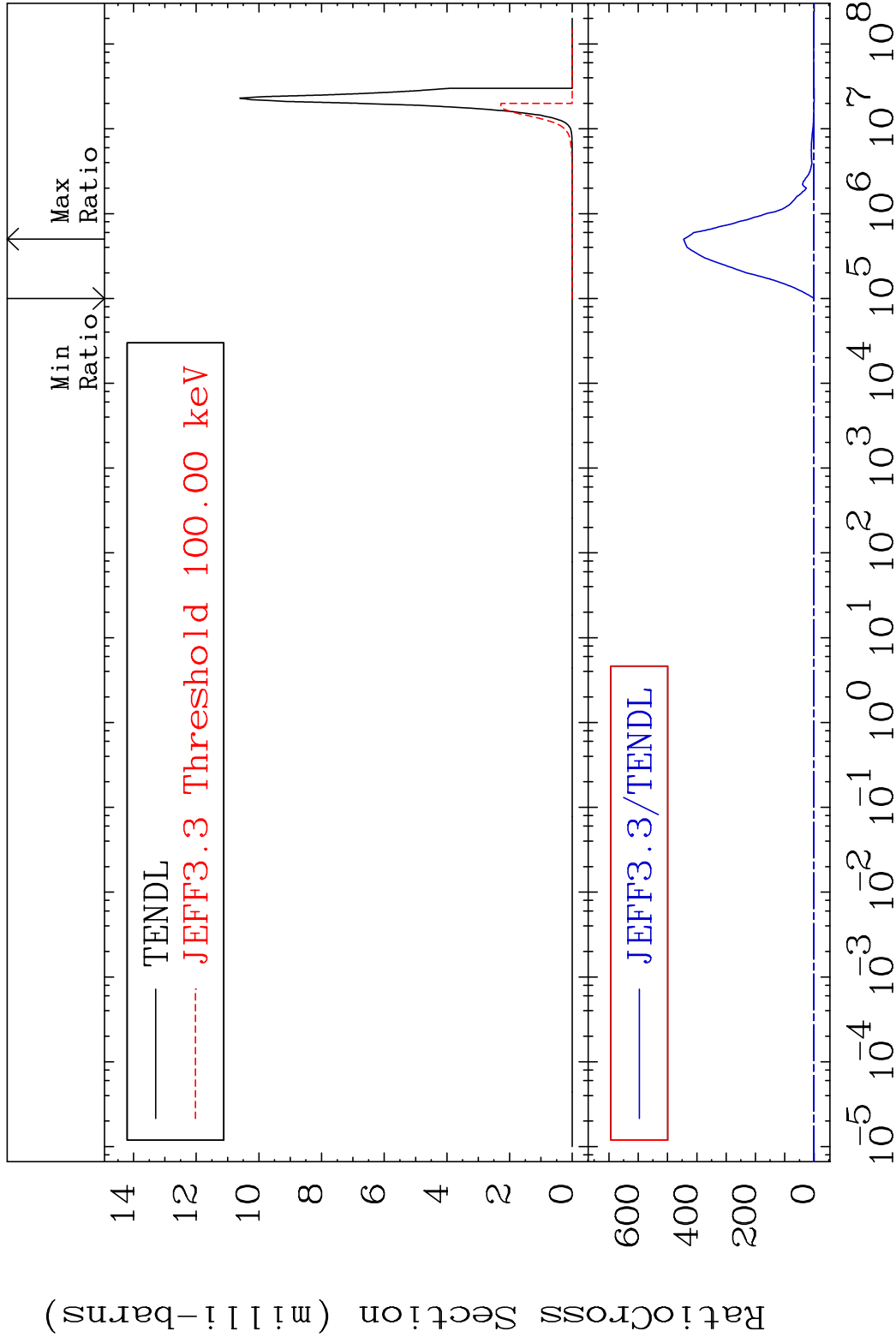
74-W -182

MAT 7431

(n,  $\alpha$ )

74-W -182

Cross Section -100.0 To 9999. %



33

Incident Energy (eV)

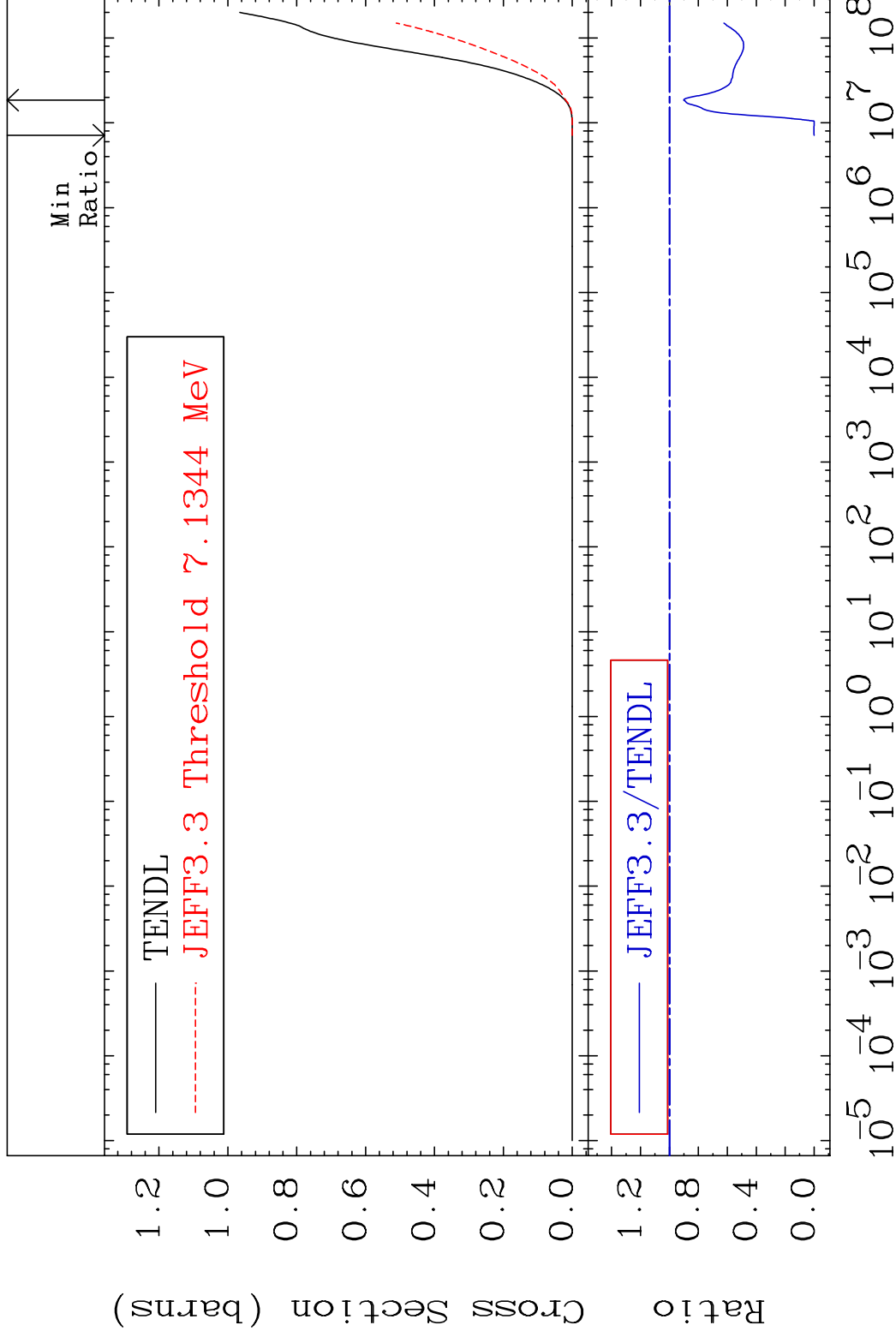
74-W -182

MAT 7431

Hydrogen Production

74-W -182

Cross Section -100.0 To -9.822%

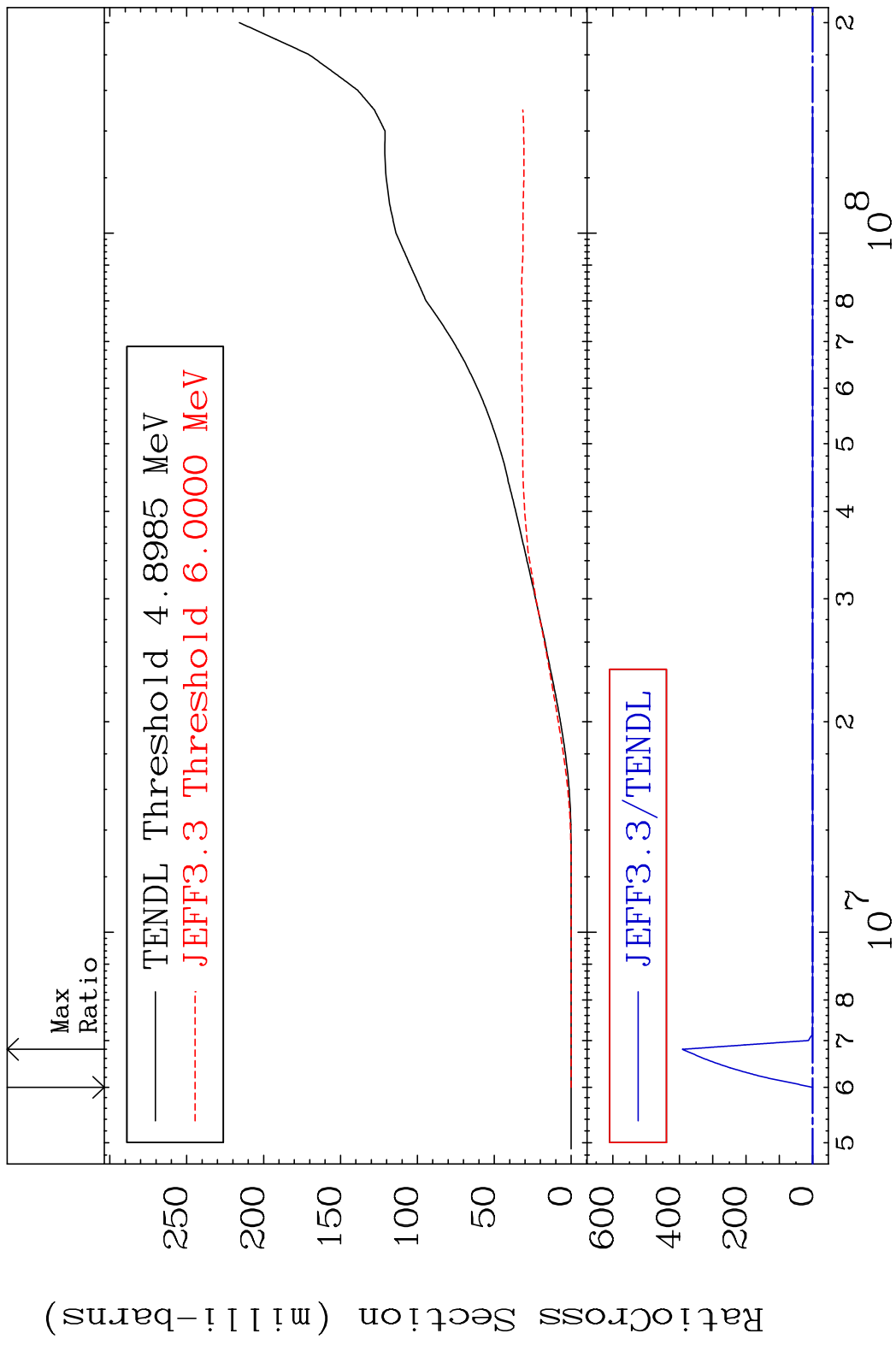


34

Incident Energy (eV)

74-W -182

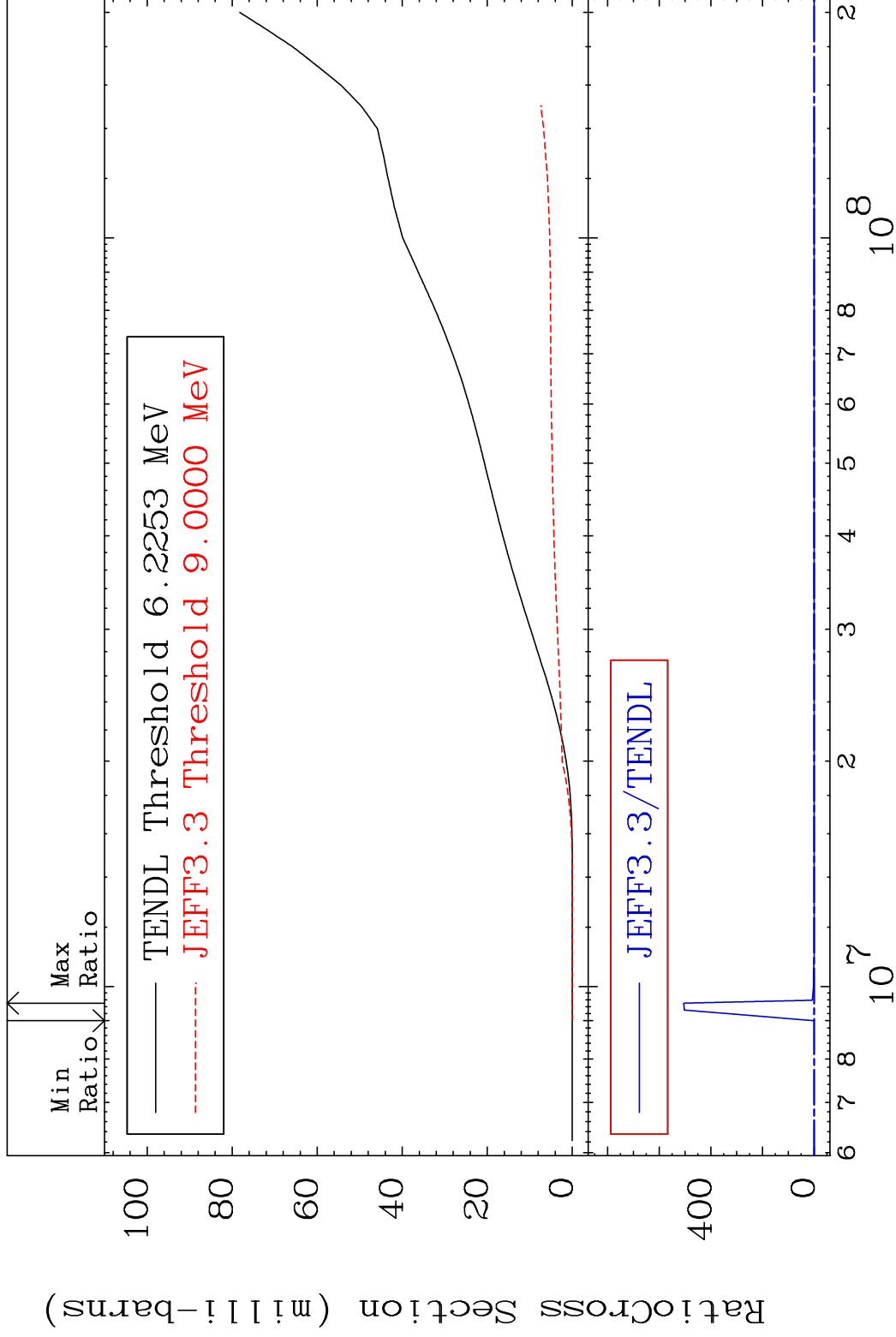
MAT 7431 Deuterium Production 74-W -182  
 Cross Section -100.0 To 9999. %



MAT 7431

Tritium Production 74-W -182

Cross Section -100.0 To 9999. %



36

Incident Energy (eV)

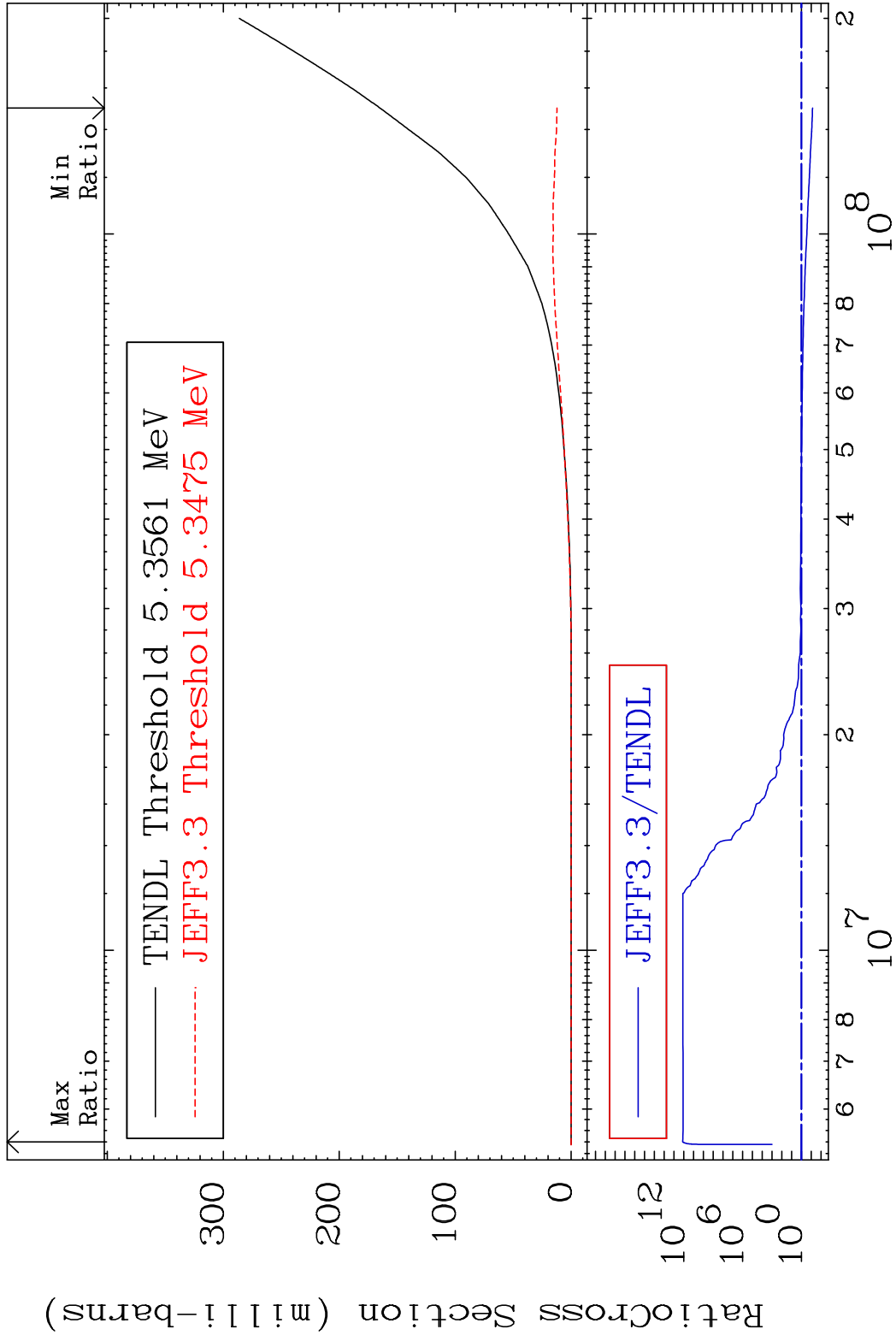
74-W -182

MAT 7431

He-3 Production

74-W -182

Cross Section -92.54 To 9999. %



37

Incident Energy (eV)

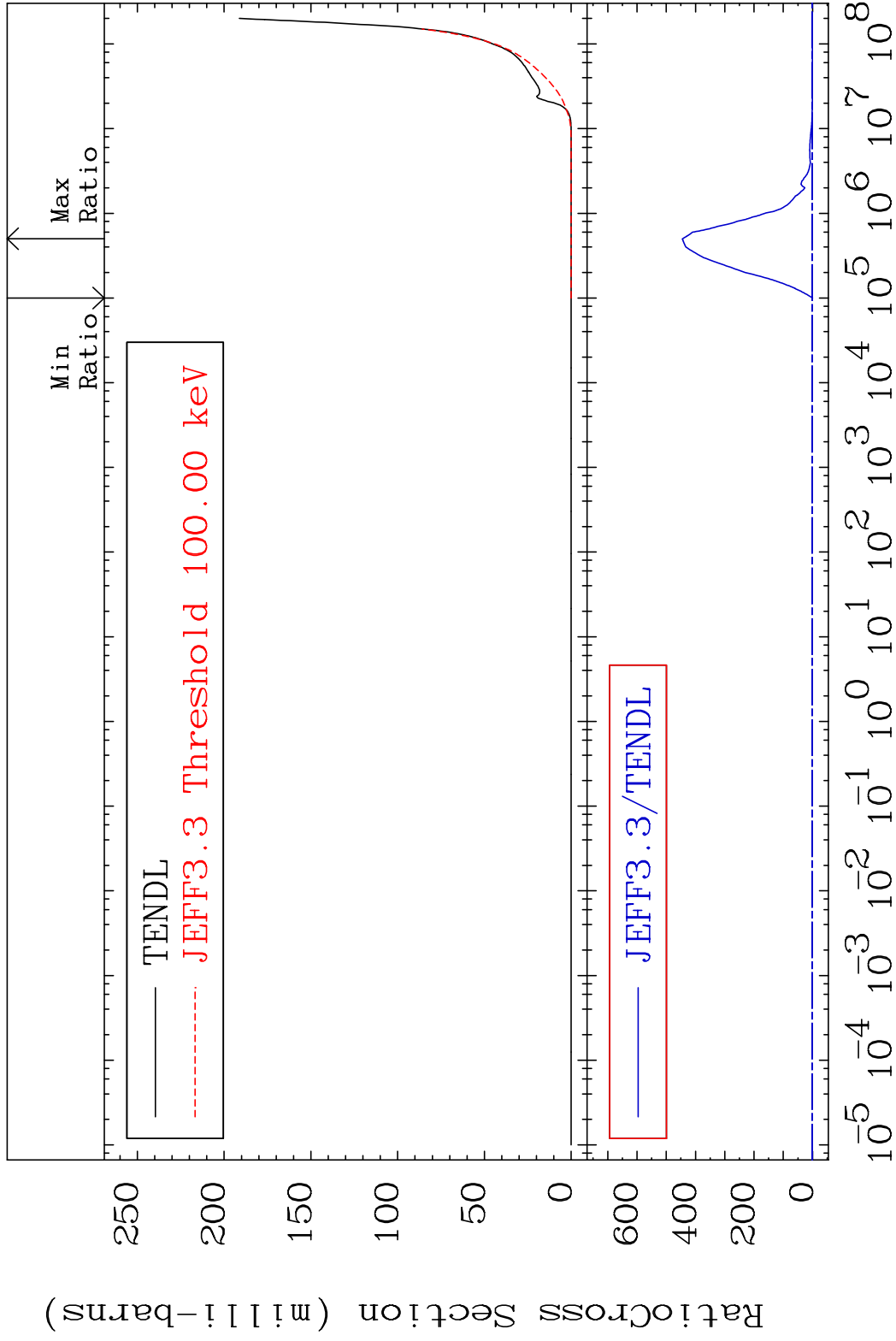
74-W -182

MAT 7431

He-4 Production

74-W -182

Cross Section -100.0 To 9999. %

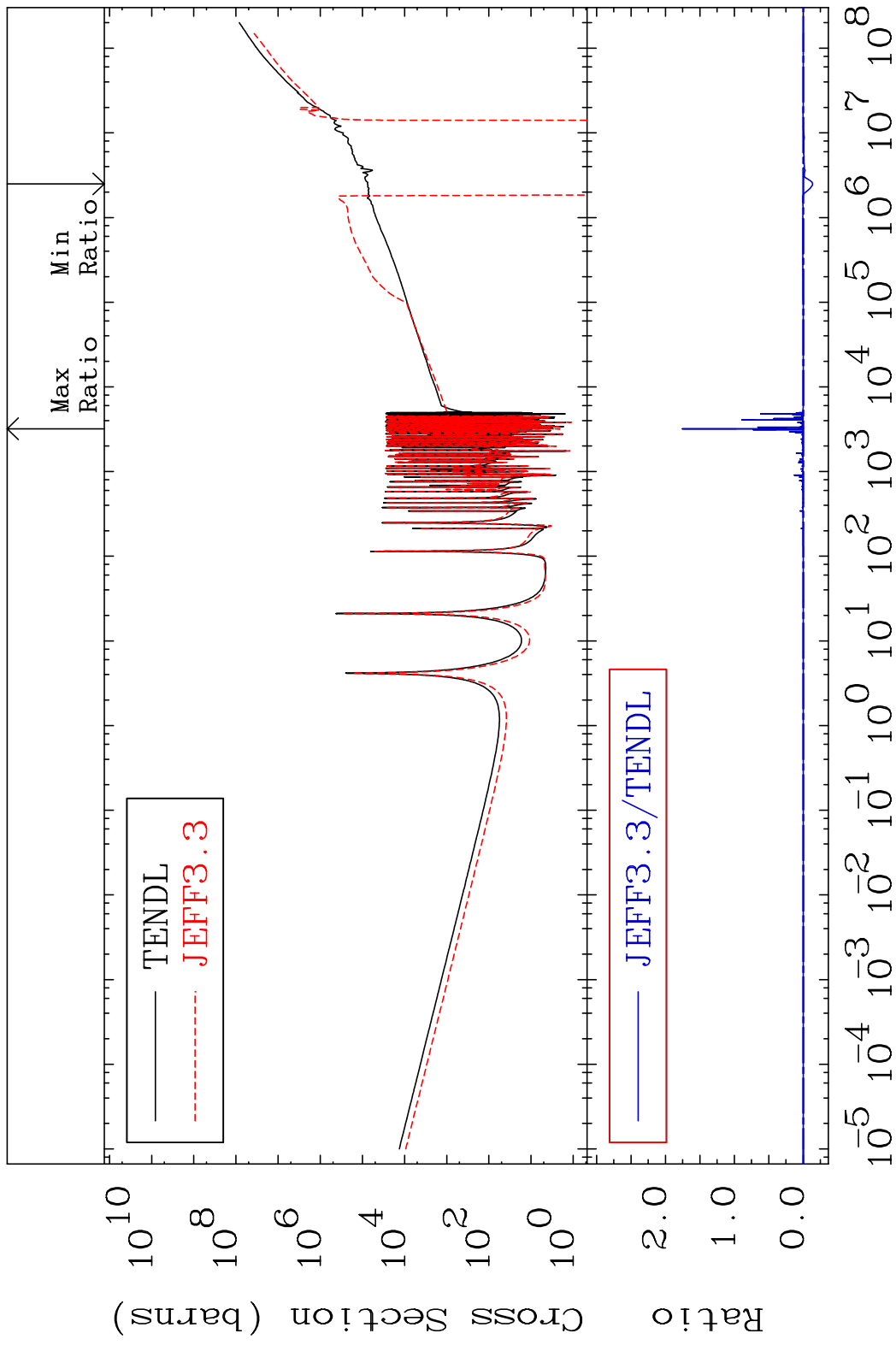


38

Incident Energy (eV)

74-W -182

MAT 7431 Kerma total (eV-barns) 74-W -182  
 Cross Section -9999. To 9999. %



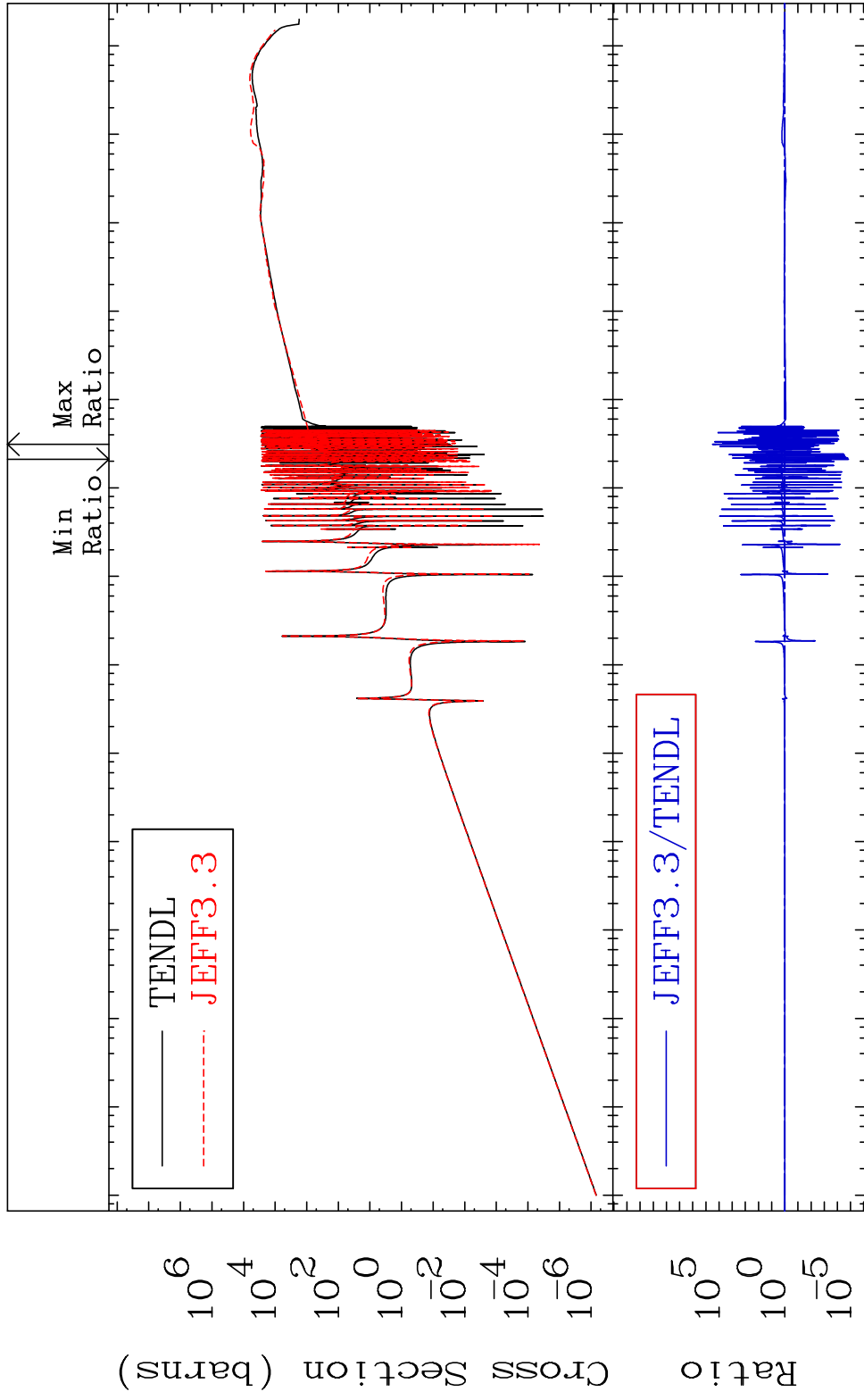


MAT 7431

Kerma elastic

74-W -182

Cross Section -100.0 To 9999. %

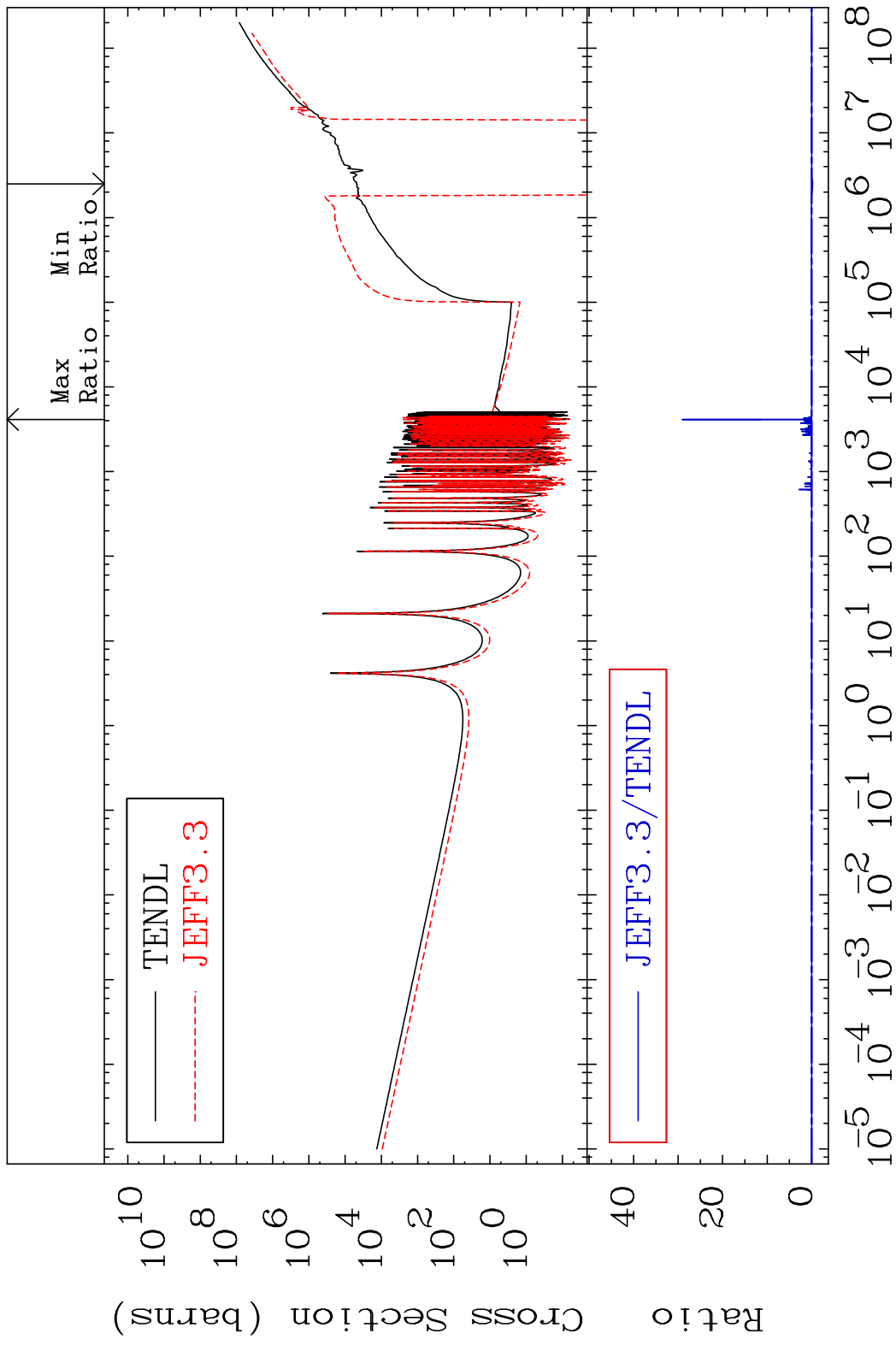


40

Incident Energy (eV)

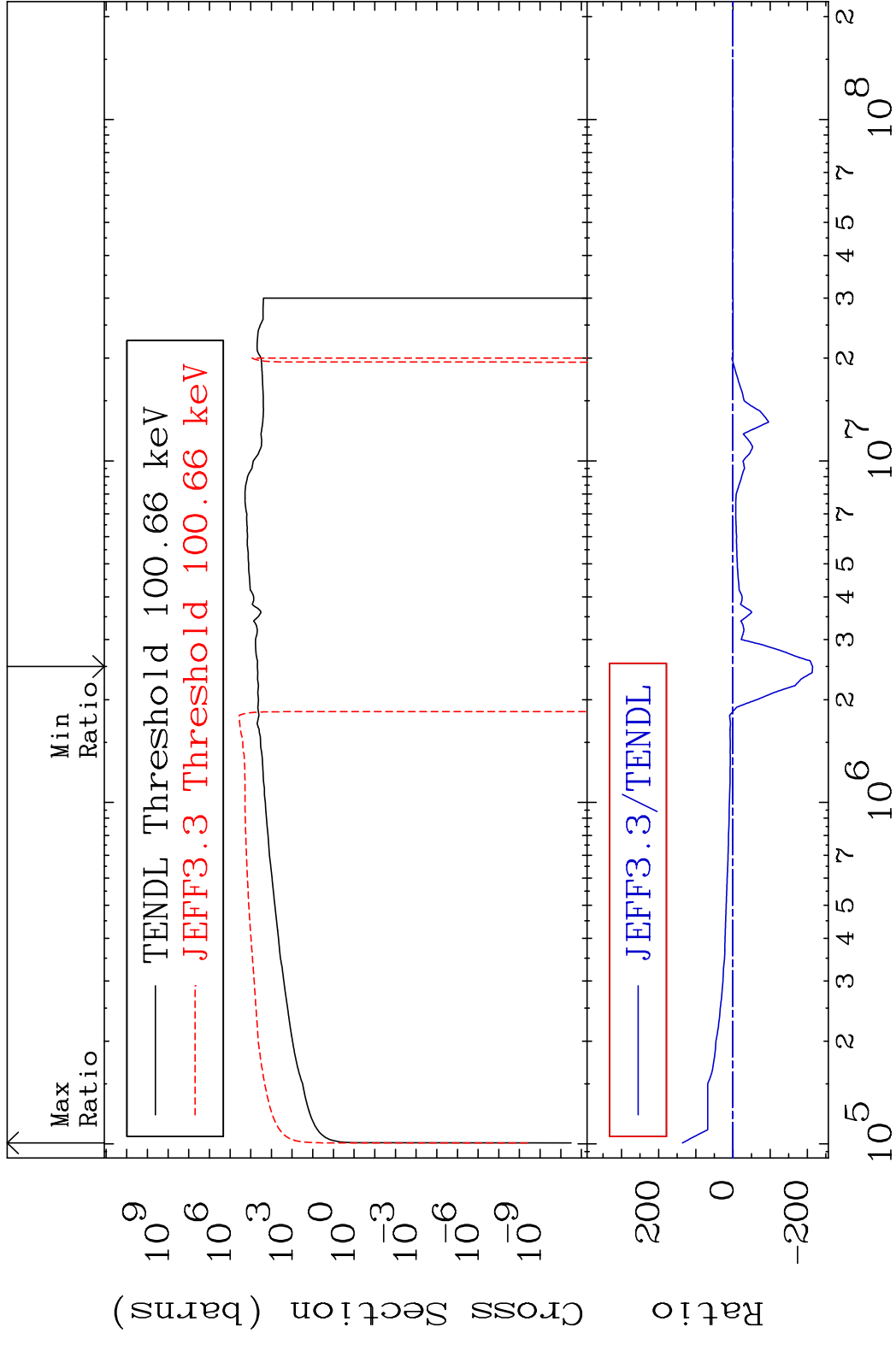
74-W -182

MAT 7431 Kerma non-elastic (all but mt2) 74-W -182  
 Cross Section -9999. To 9999. %



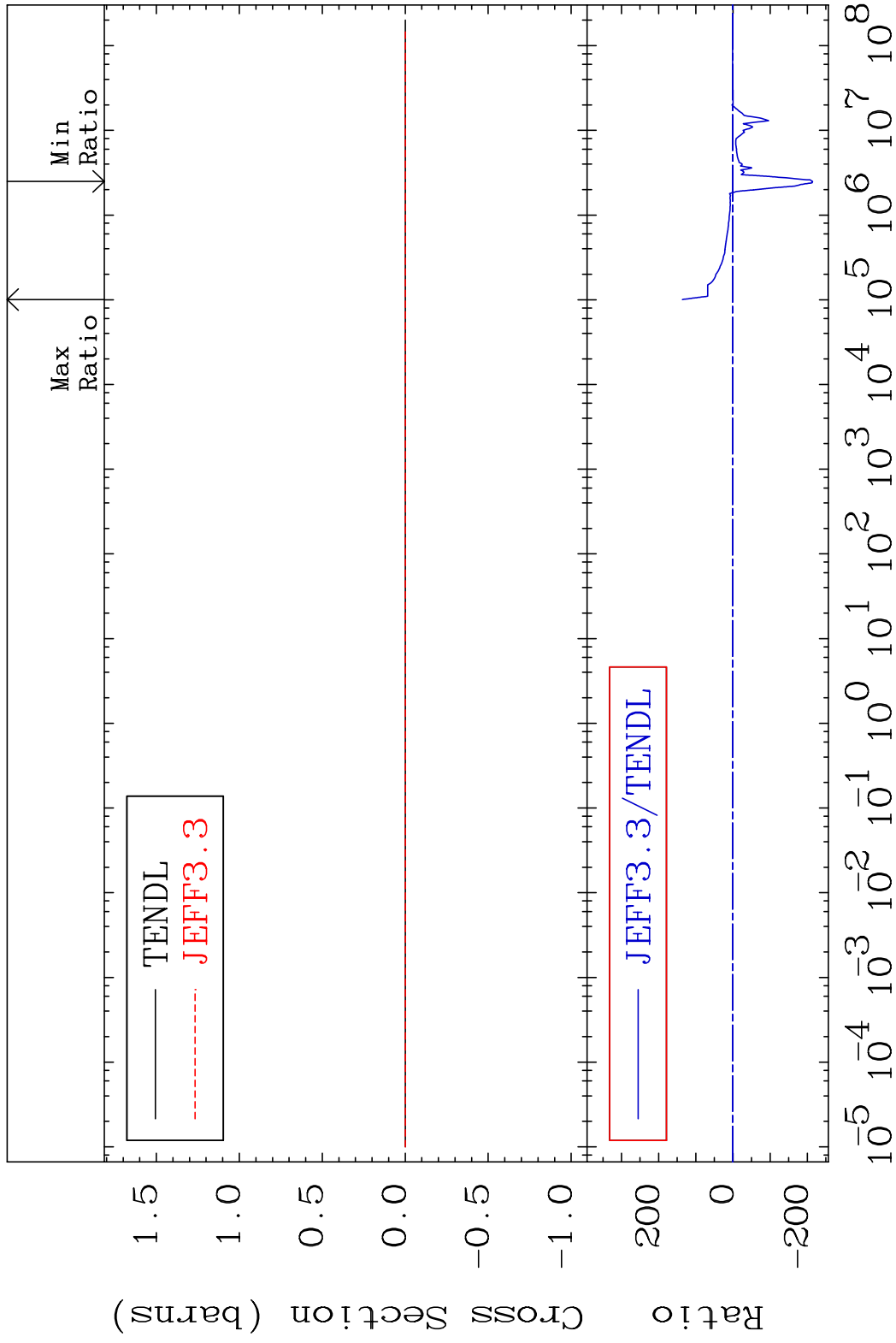
41 Incident Energy (eV) 74-W -182

MAT 7431 Kerma inelastic (mt51-91) 74-W -182  
 Cross Section -9999. To 9999. %



42 Incident Energy (eV) 74-W -182

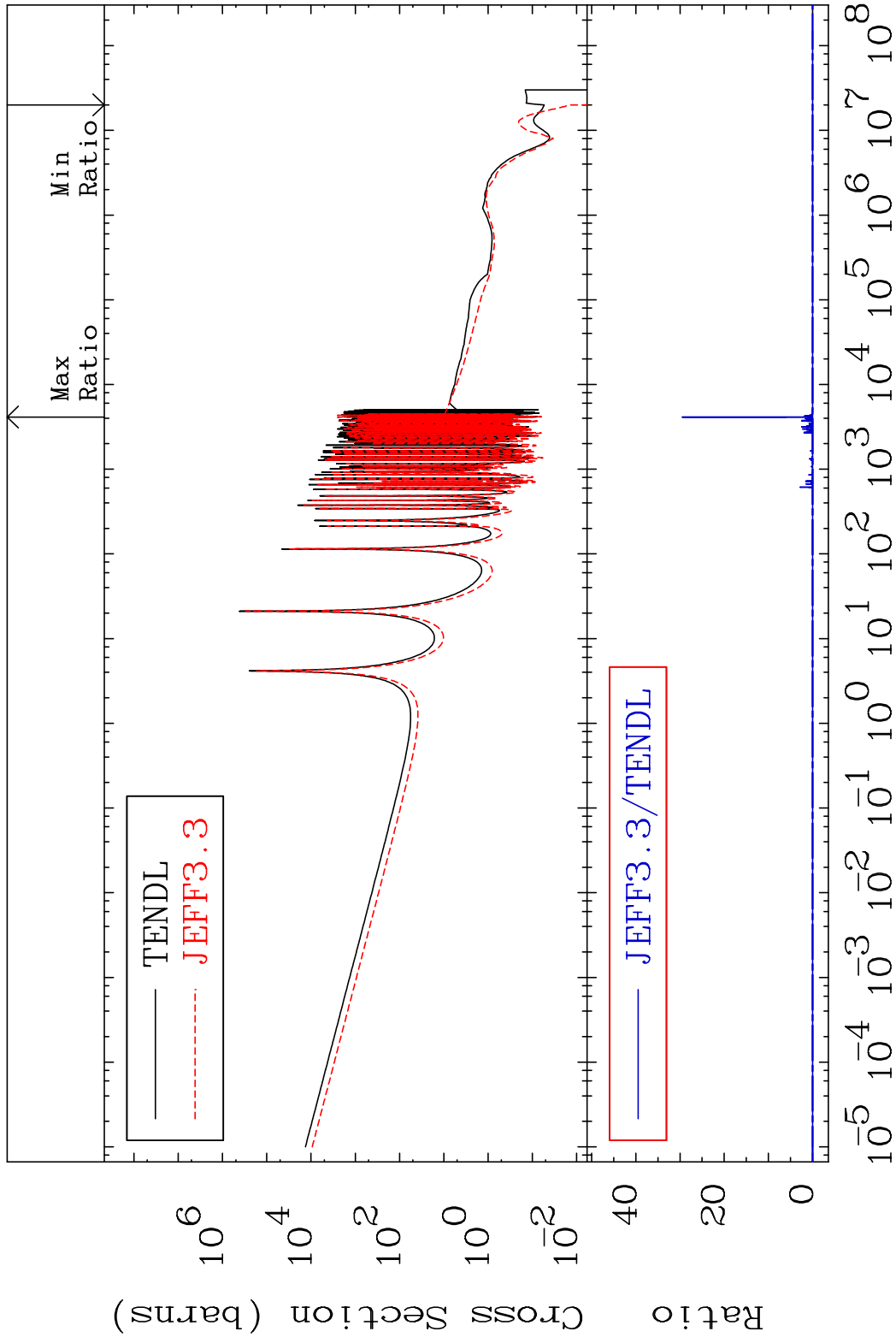
MAT 7431 Kerma fission (mt18 or mt19-20-21-38) 74-W -182  
 Cross Section -9999. To 9999. %



MAT 7431

Kerma capture (mt102) 74-W -182

Cross Section -100.0 To 9999. %

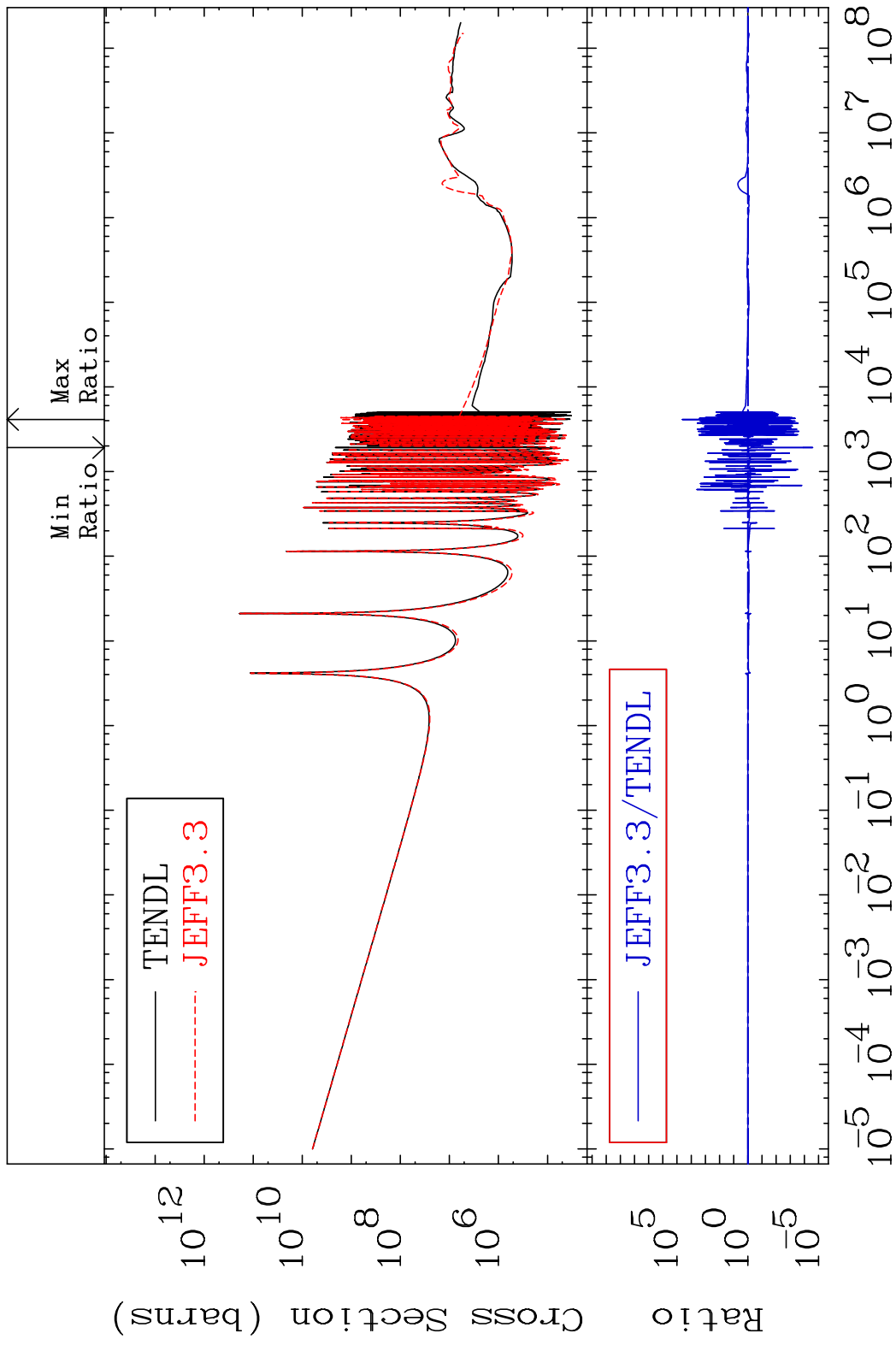


44

Incident Energy (eV)

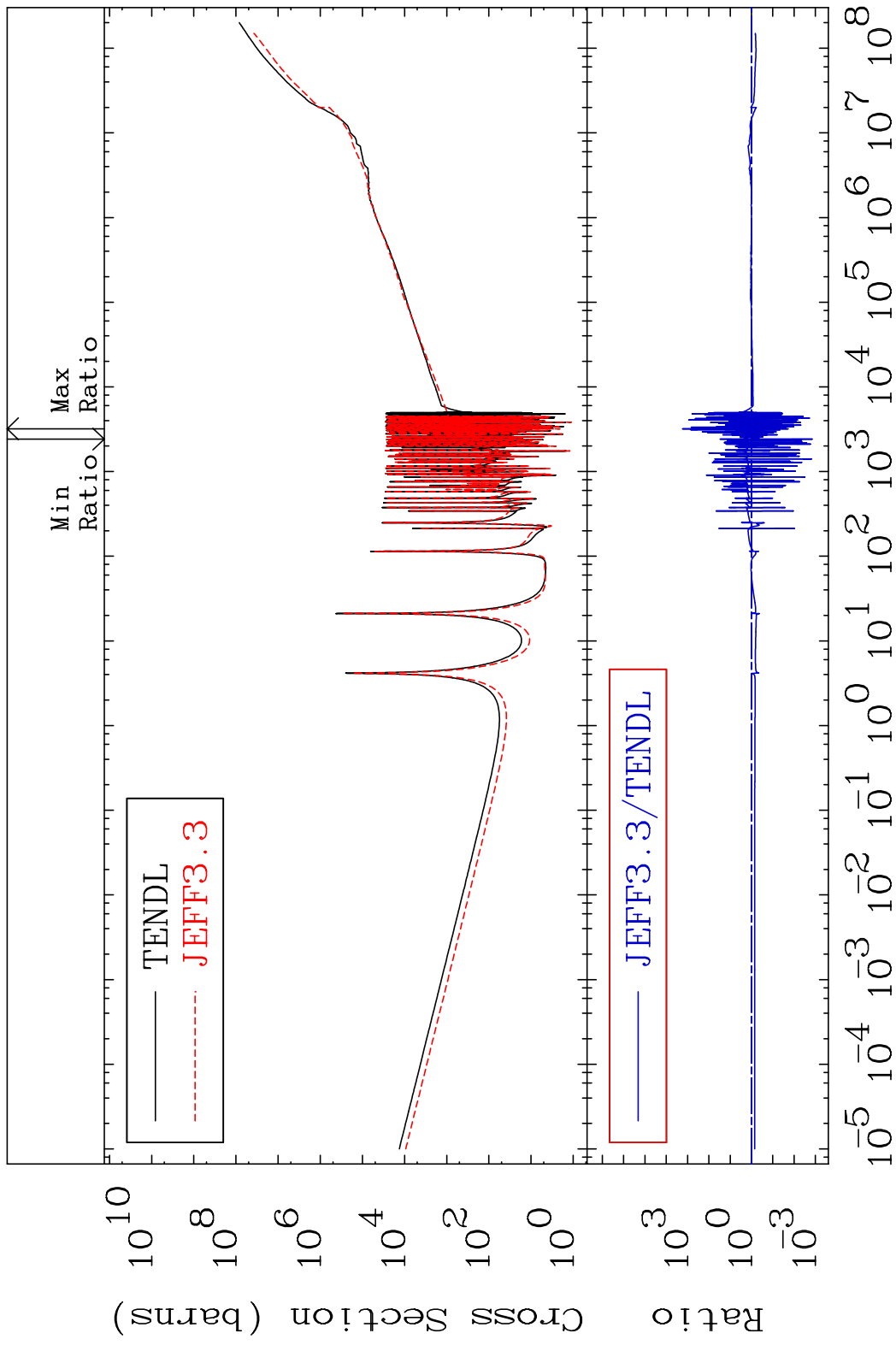
74-W -182

MAT 7431 Total photon (eV-barns) 74-W -182  
Cross Section -100.0 To 9999. %

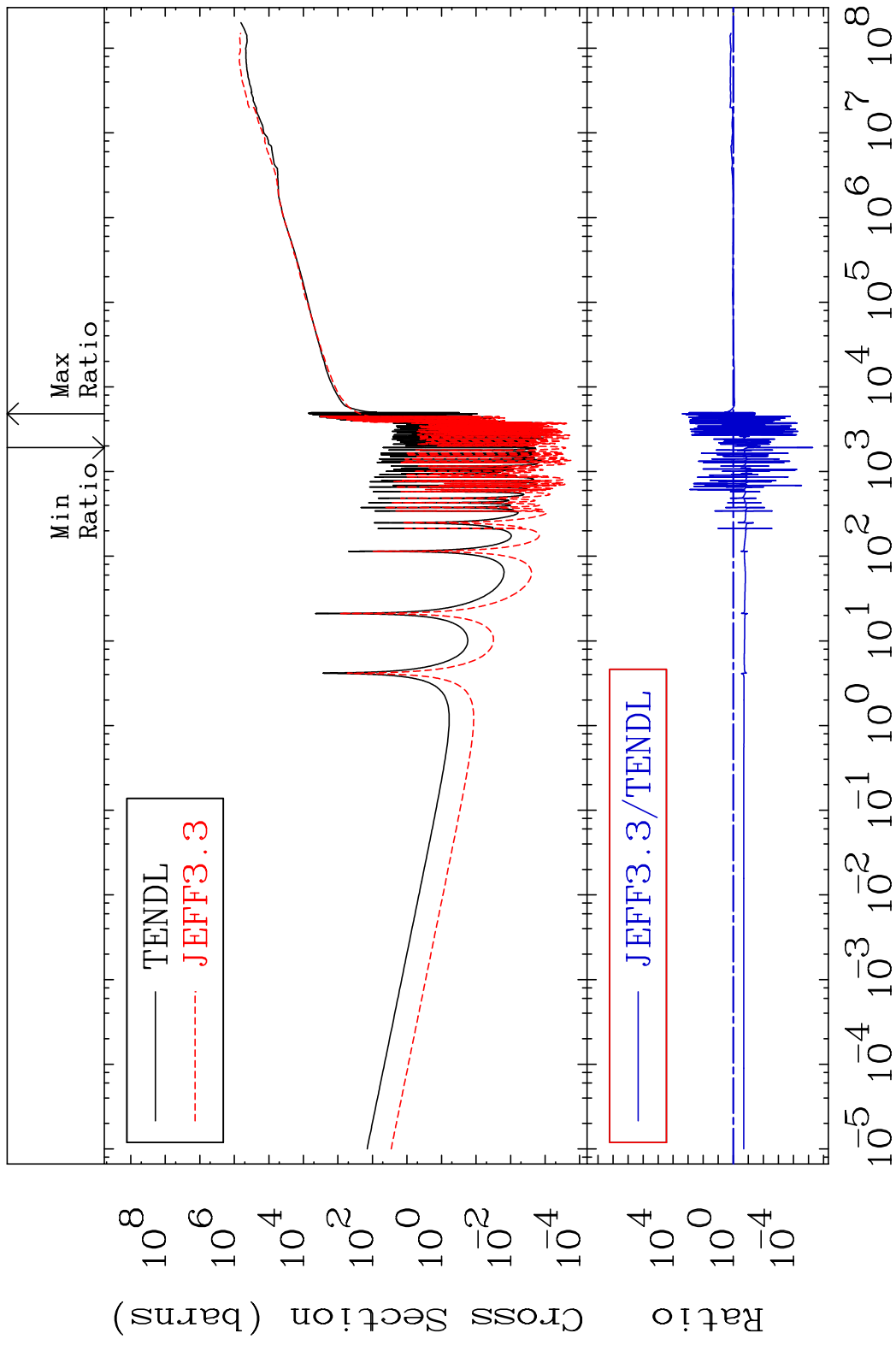


45 Incident Energy (eV) 74-W -182

MAT 7431 Total kinematic kerma (high limit) 74-W -182  
 Cross Section -99.86 To 9999. %



MAT 7431      Dpa total (eV-barns)      74-W -182  
 Cross Section      -100.0 To 9999. %



47      Incident Energy (eV)      74-W -182



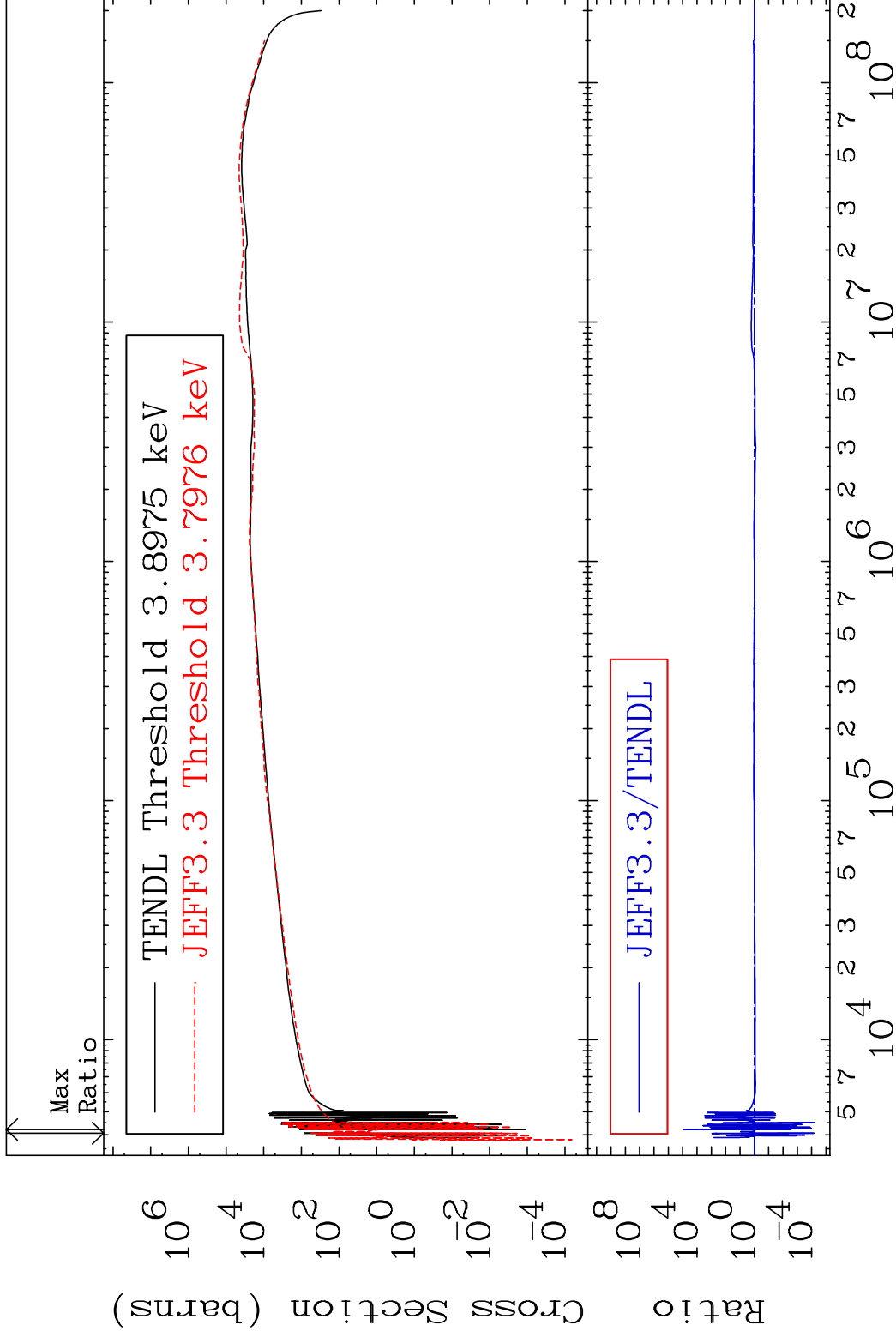
MAT 7431

Dpa elastic (mt2)

74-W -182

Cross Section

-99.99 To 9999. %

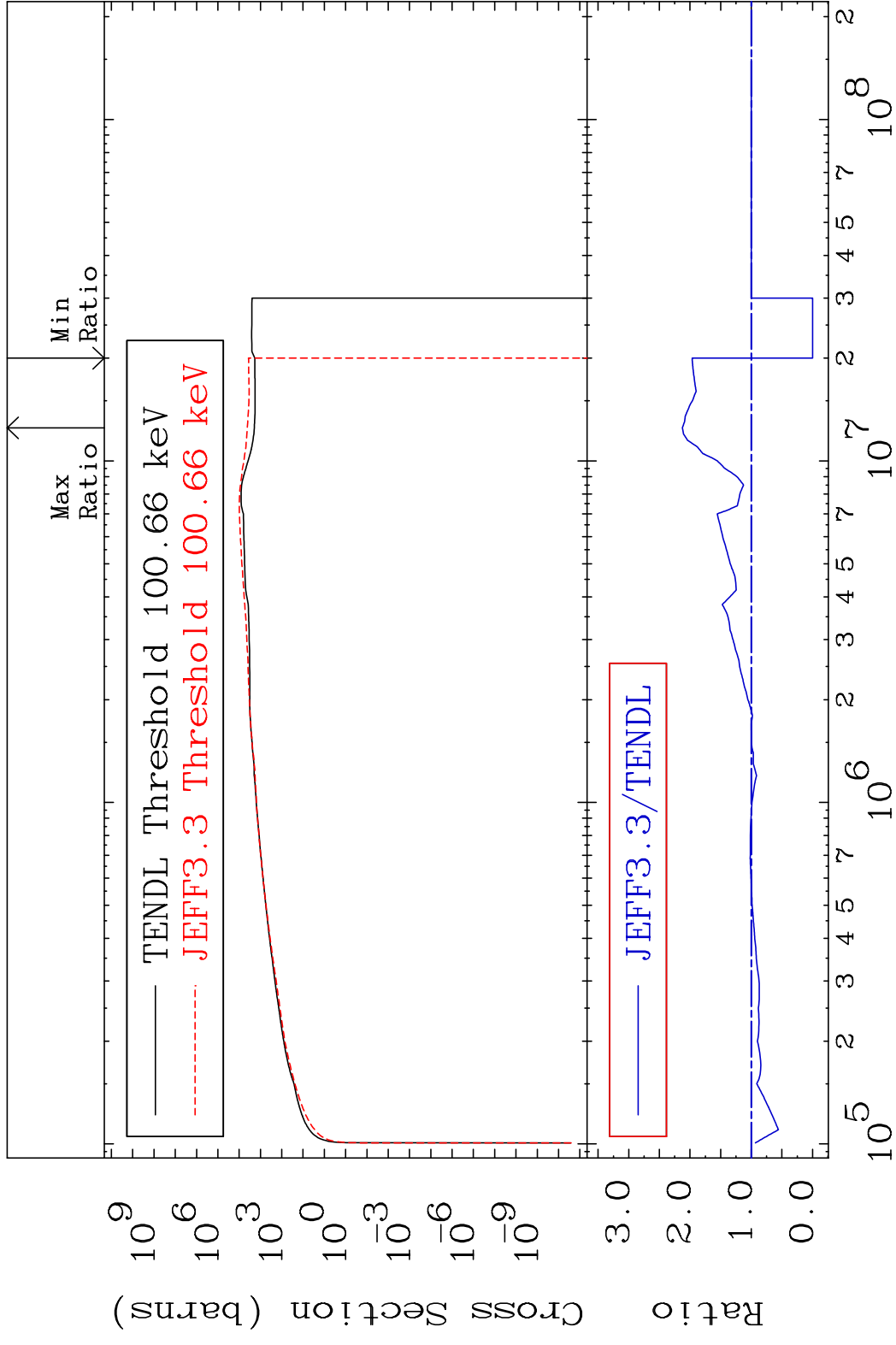


48

Incident Energy (eV)

74-W -182

MAT 7431      Dpa inelastic (mt51-91)      74-W -182  
 Cross Section      -100.0 To 112.5 %



49      Incident Energy (eV)      74-W -182

MAT 7431 Dpa disappearance (mt102 -120) 74-W -182  
 Cross Section -100.0 To 9999. %

