

Program Complot
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

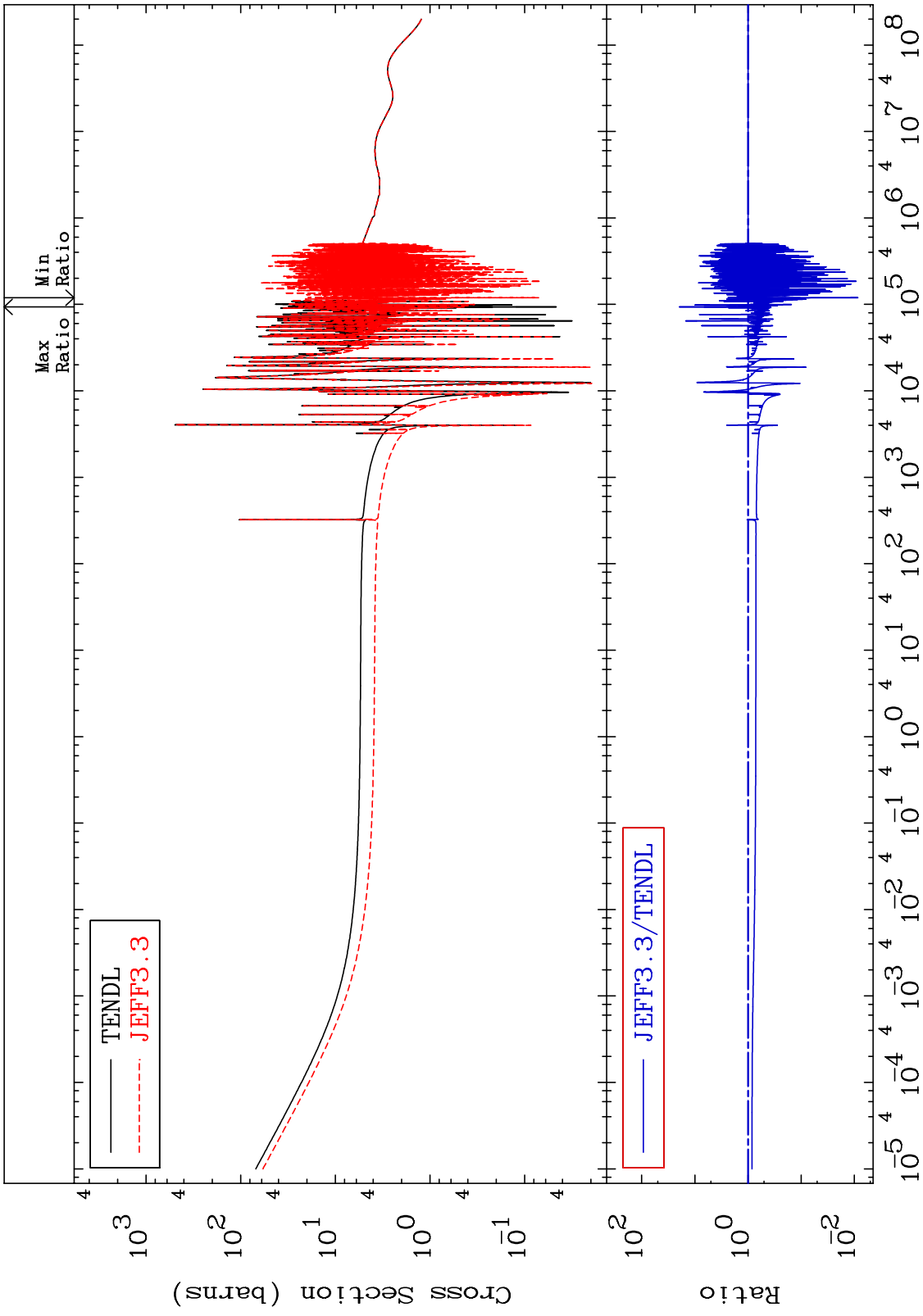
U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 3031 30-Zn-66
 Total -99.14 To 1882. %
 Cross Section

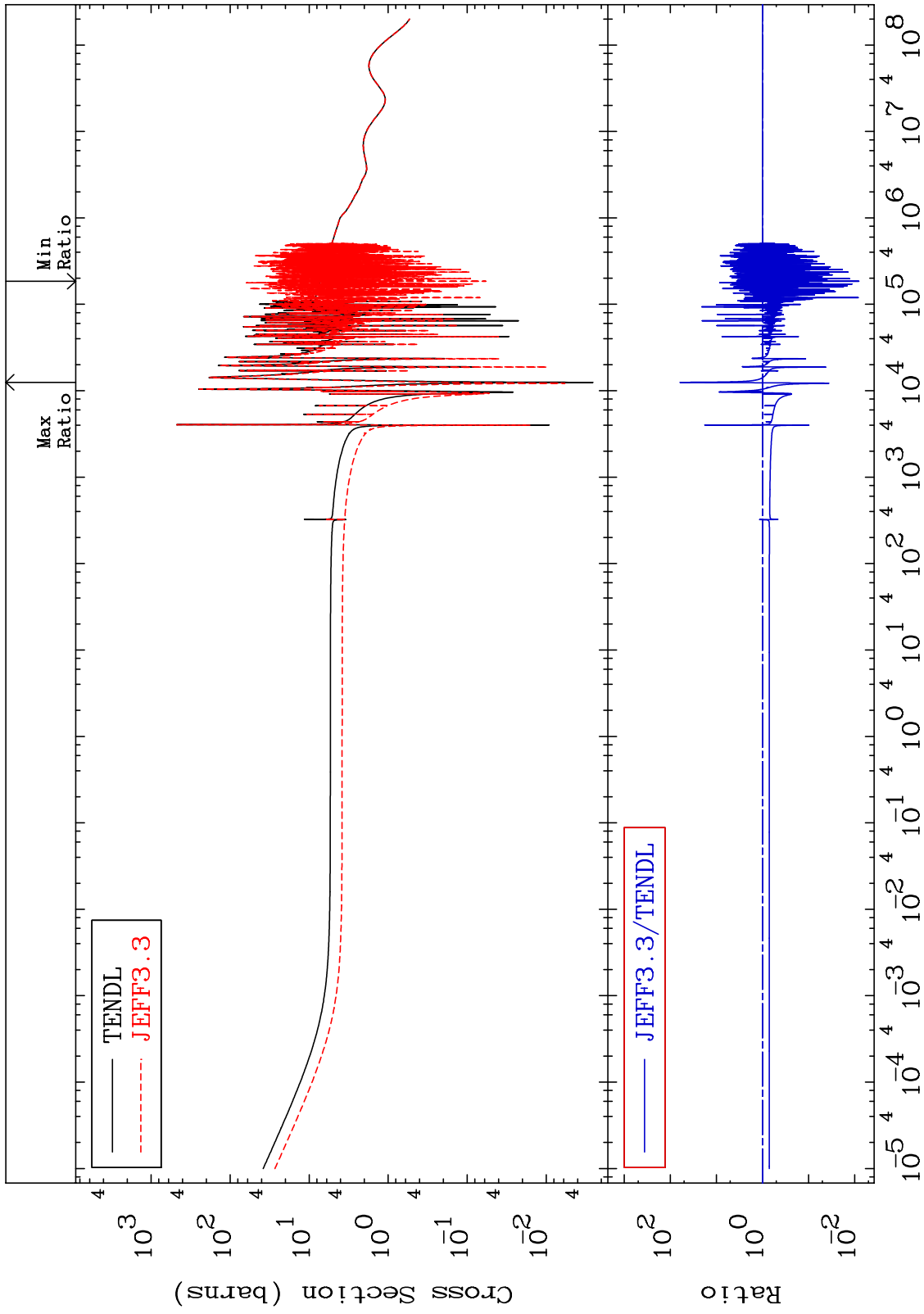


1 30-Zn-66

MAT 3031

Elastic
Cross Section

30-Zn-66
-99.19 To 5992. %



2

Incident Energy (eV)

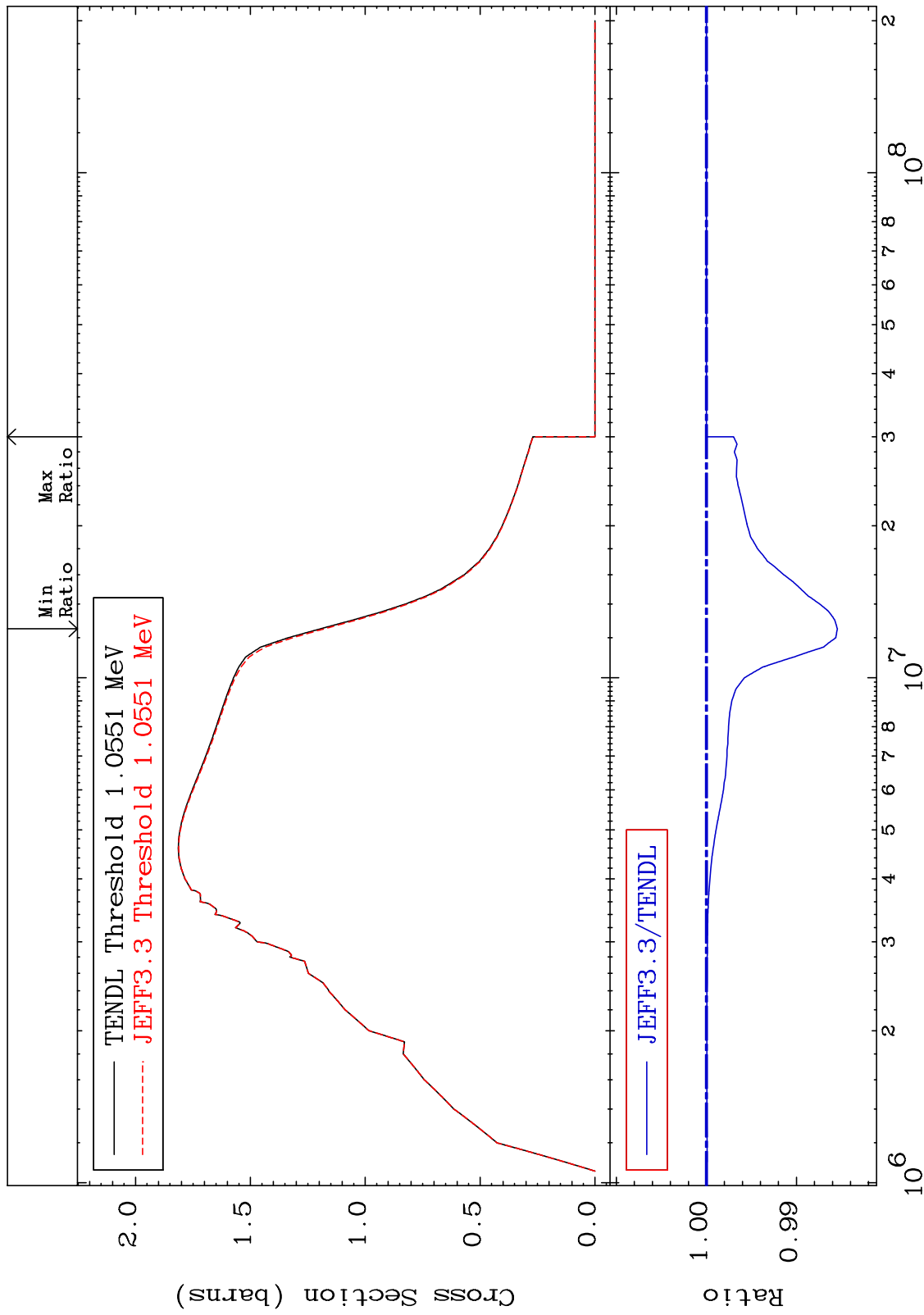
30-Zn-66

MAT 3031

Inelastic
Cross Section

30-Zn-66

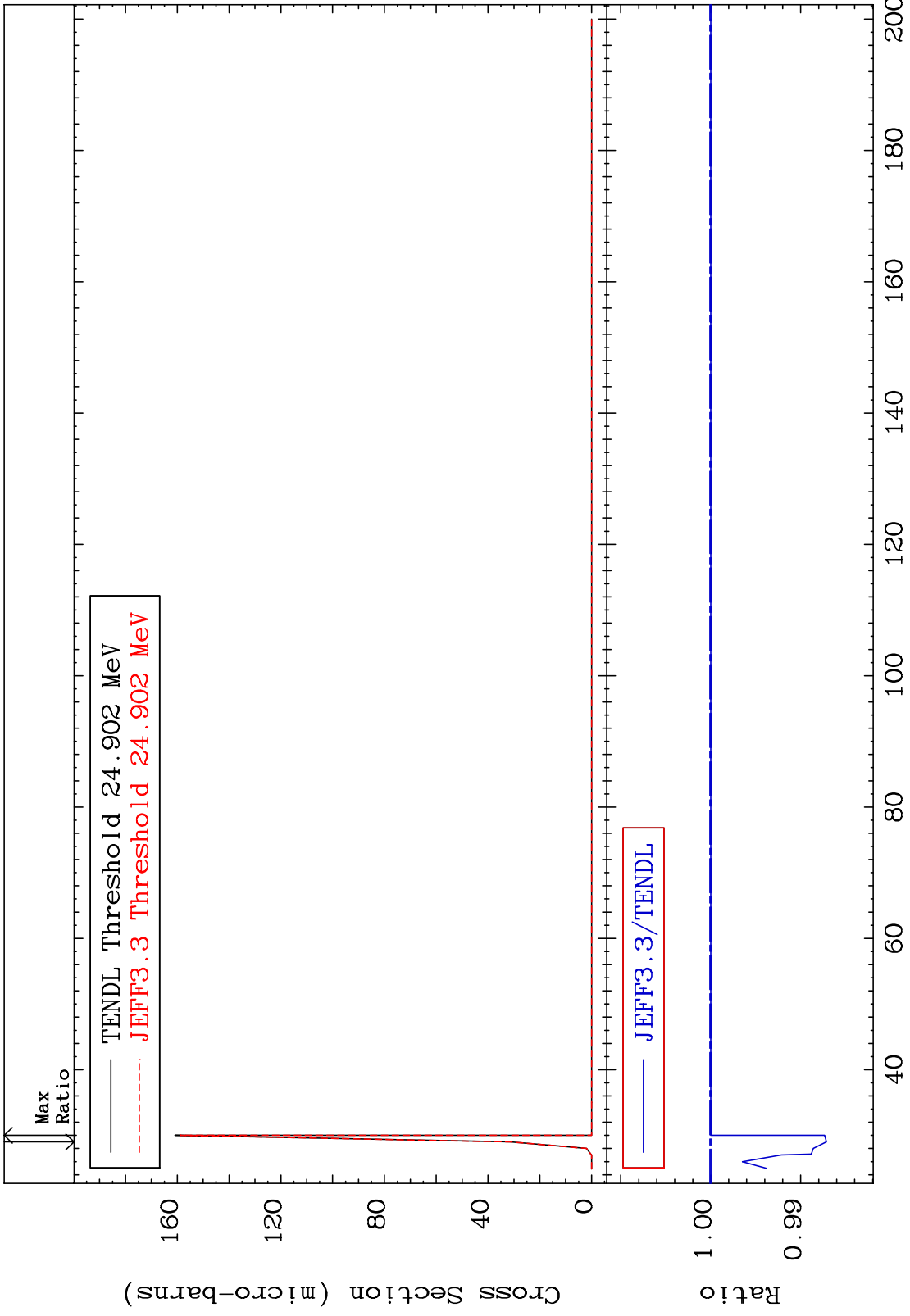
-1.453 To 0.000 %



Incident Energy (eV)

30-Zn-66

MAT 3031 (n,2n) d 30-Zn-66
 Cross Section -1.285 To 0.000 %



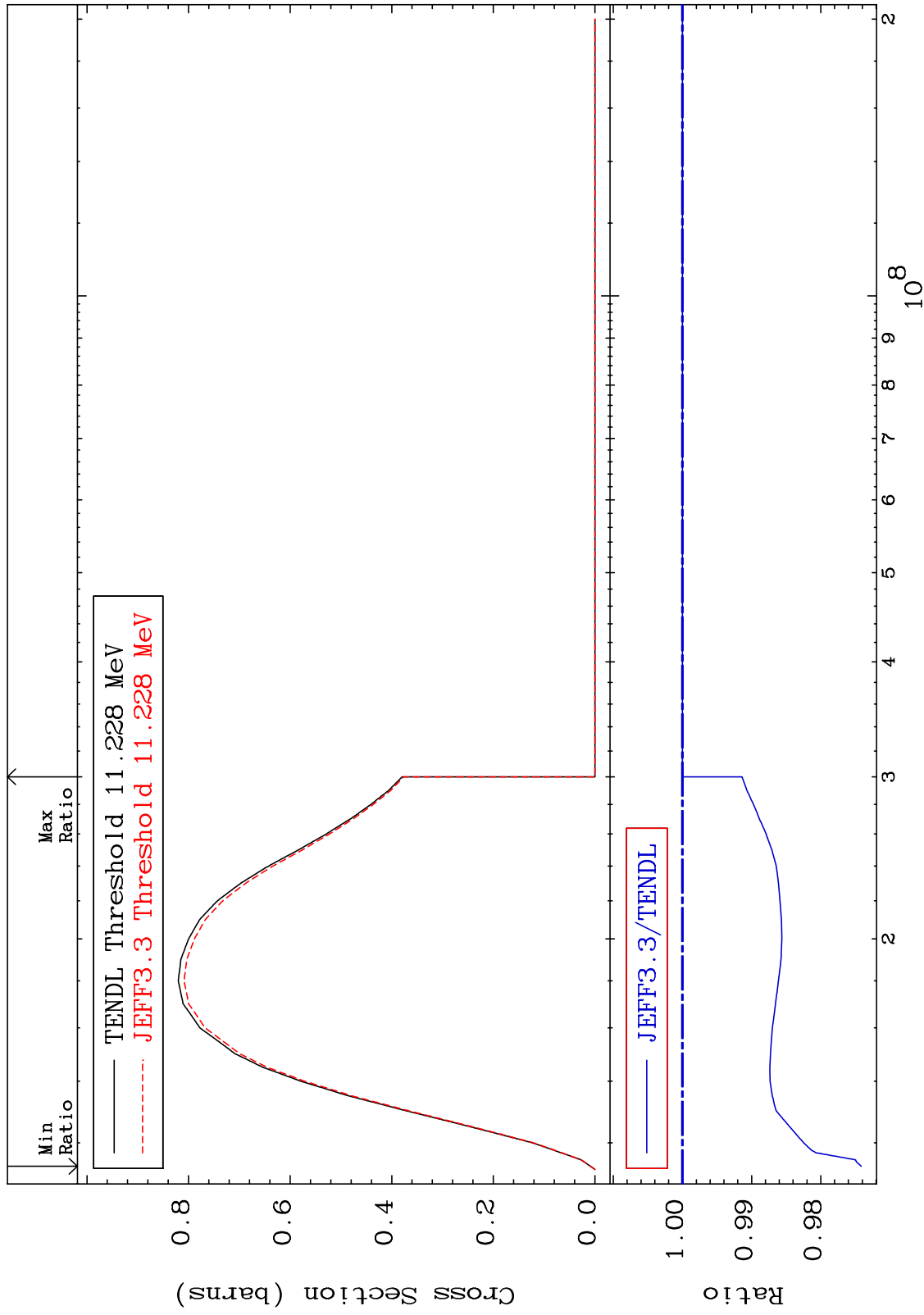
MAT 3031

(n,2n)

30-Zn-66

Cross Section

-2.586 To 0.000 %

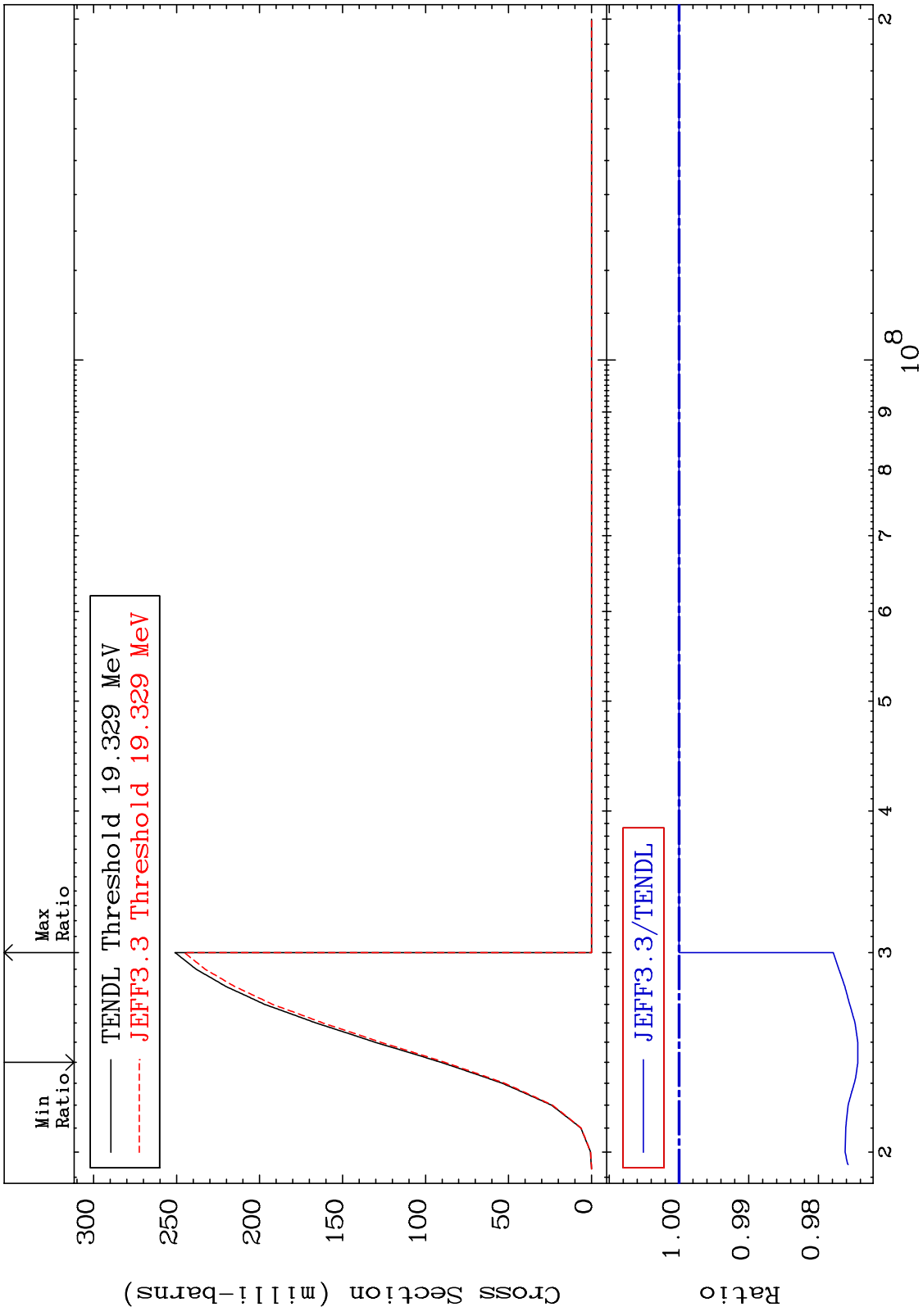


5

Incident Energy (eV)

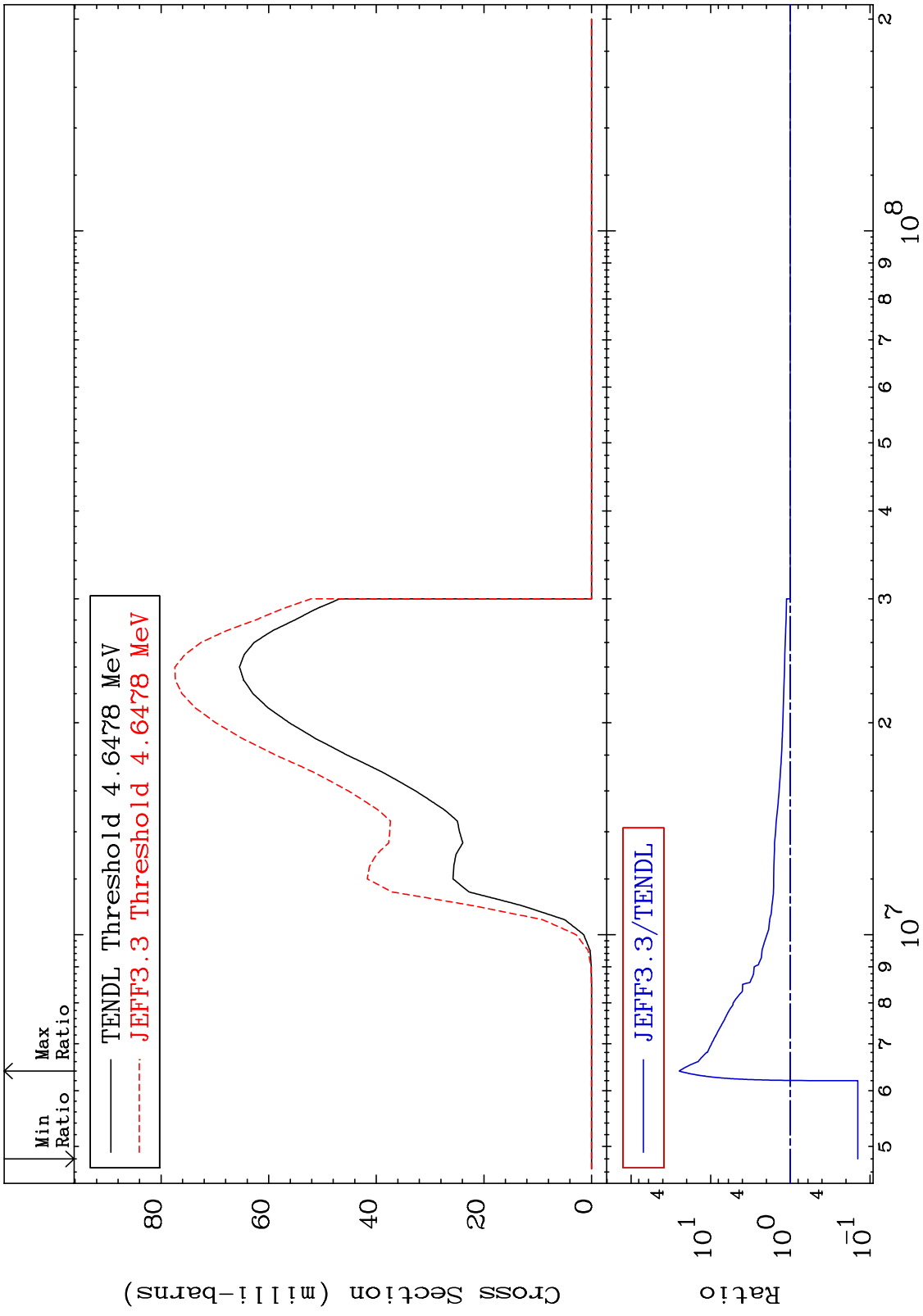
30-Zn-66

MAT 3031 (n,3n) 30-Zn-66
 Cross Section -2.564 To 0.000 %



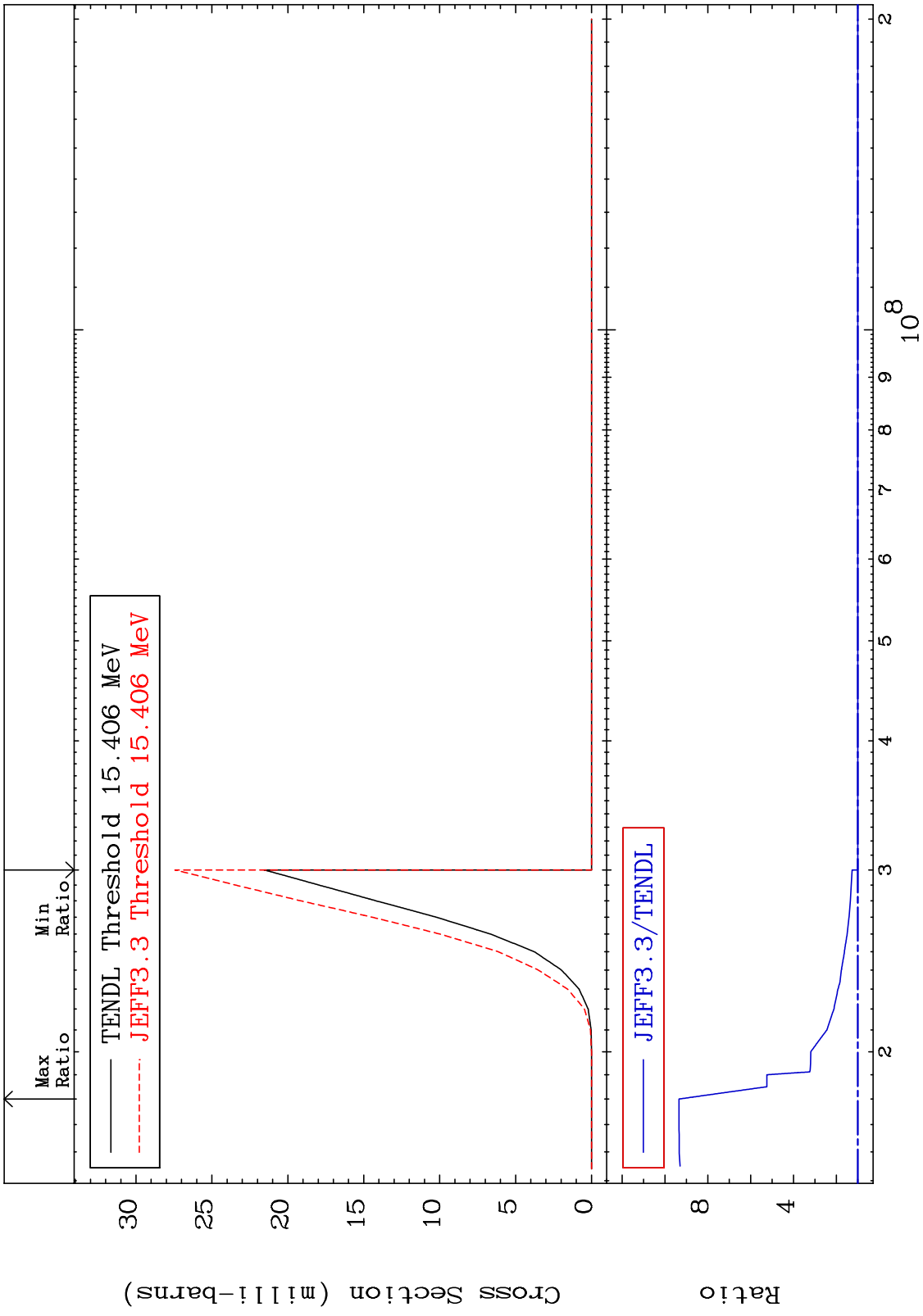
6 Incident Energy (eV) 30-Zn-66

MAT 3031 $(n, n') \alpha$ 30-Zn-66
 Cross Section -85.80 To 2394. %

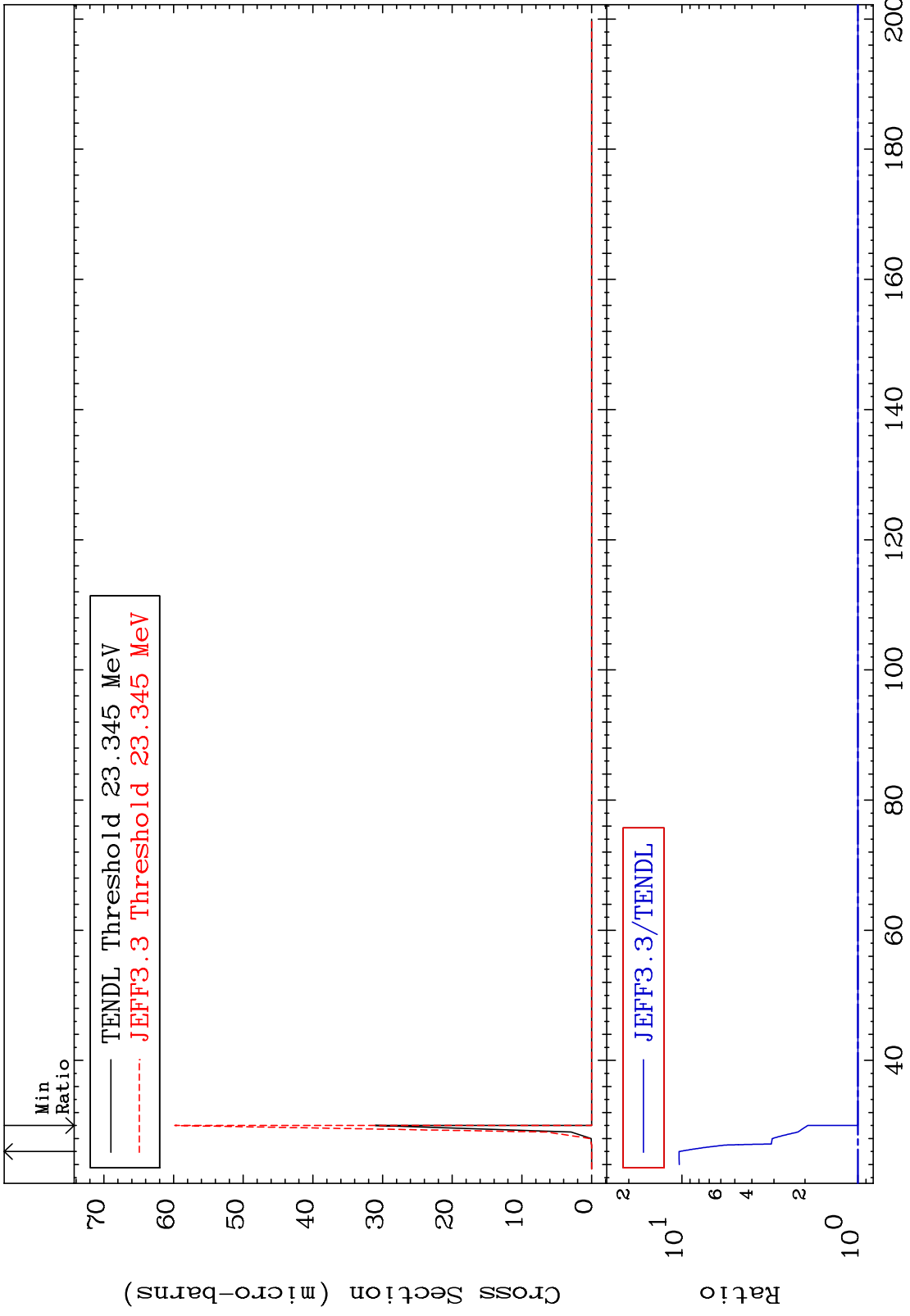


7 Incident Energy (eV) 30-Zn-66

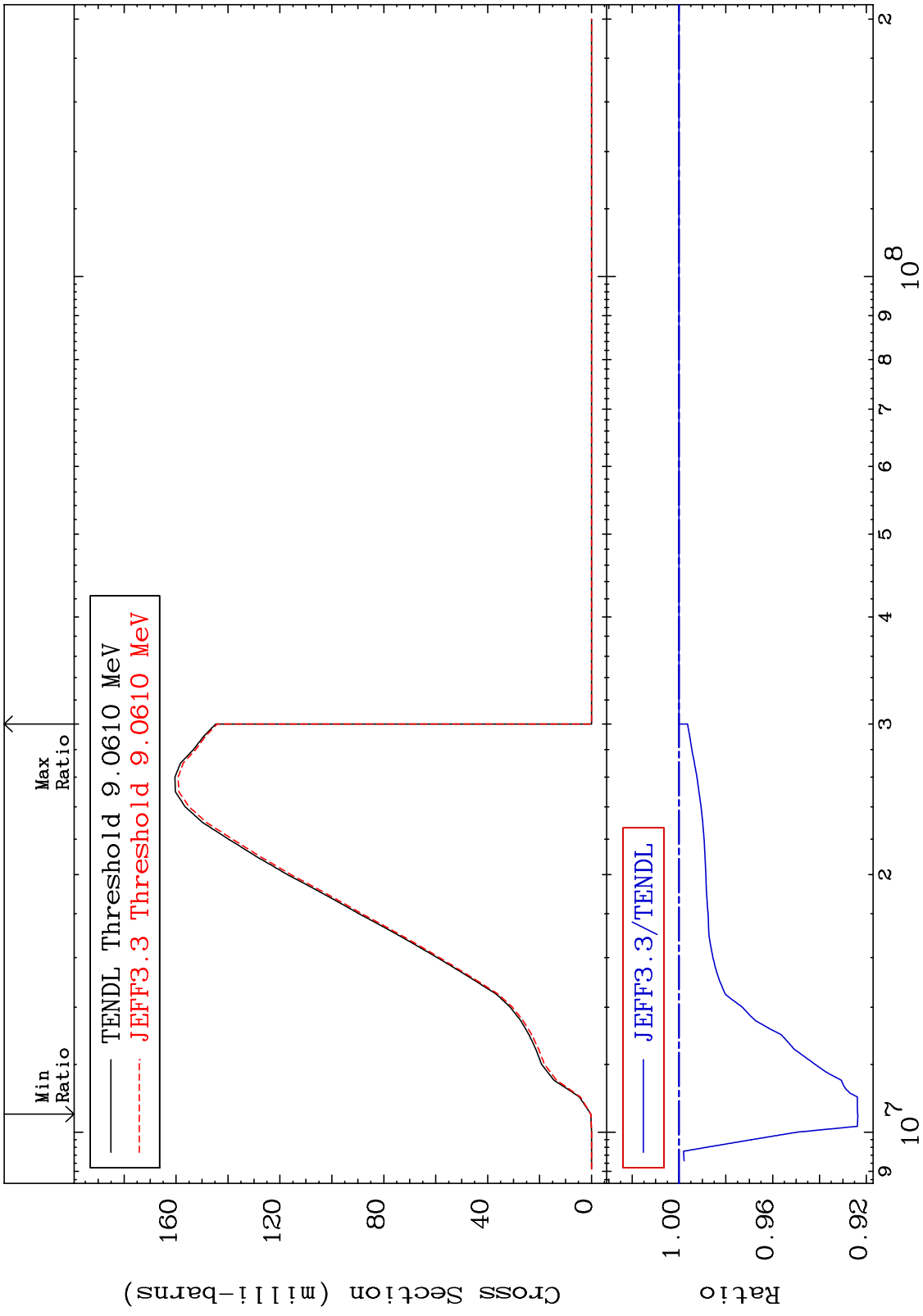
MAT 3031 (n,2n) α 30-Zn-66
Cross Section 0.000 To 834.1 %



MAT 3031 $(n, 3n) \alpha$ 30-Zn-66
 Cross Section 0.000 To 936.2 %

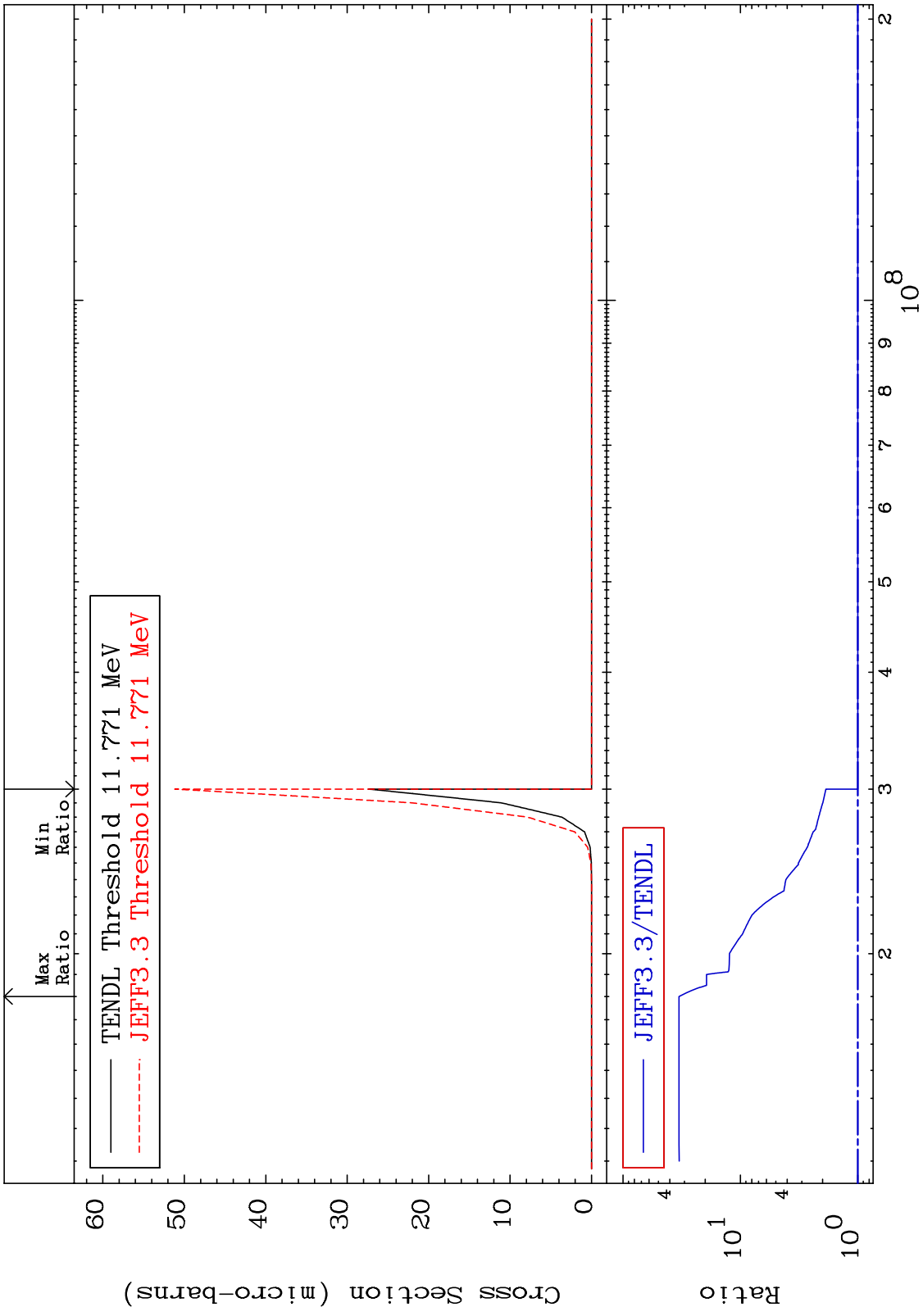


MAT 3031 (n, n') p 30-Zn-66
Cross Section -7.638 To 0.000 %

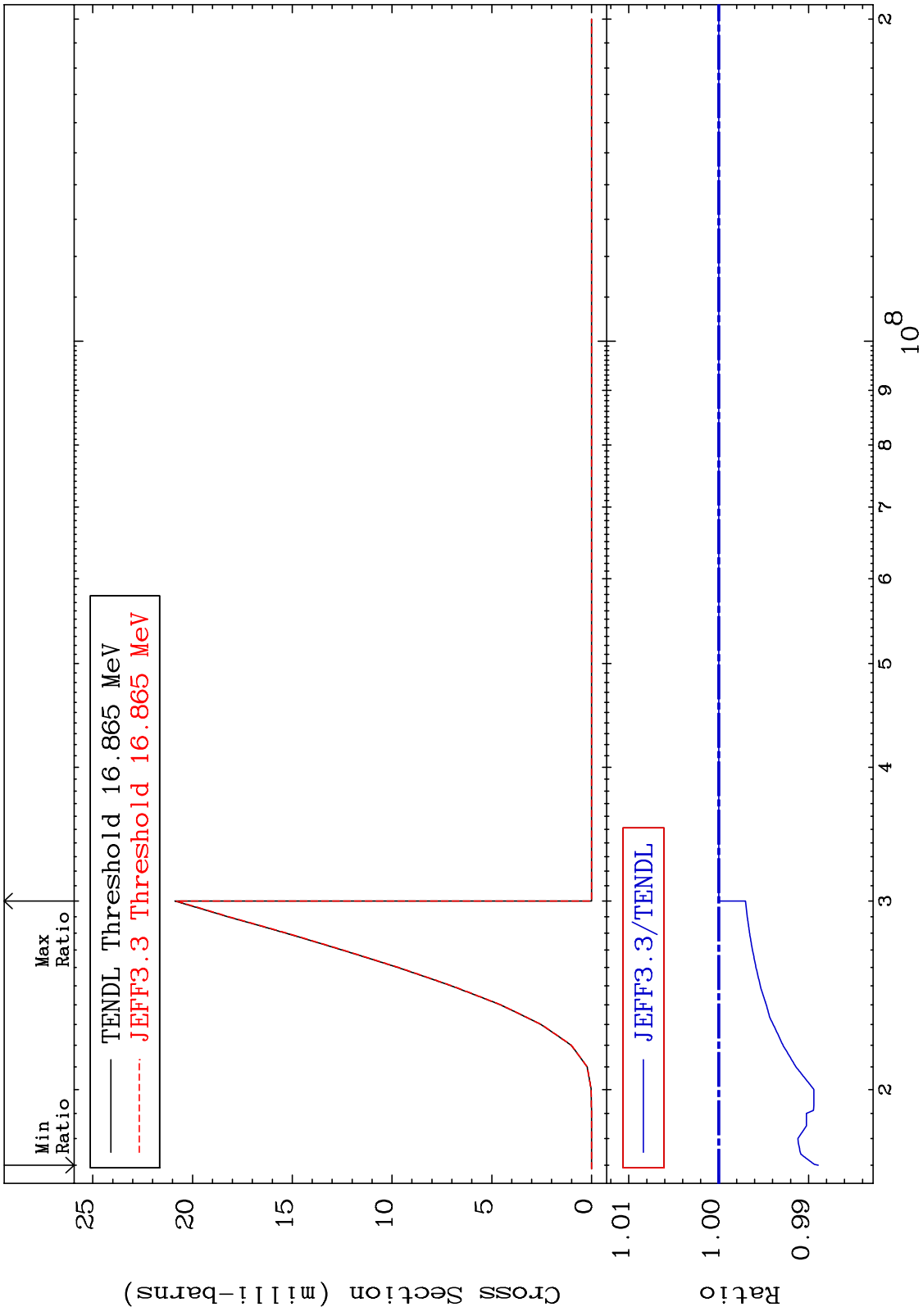


30-Zn-66

MAT 3031 (n,n') 2α 30-Zn-66
 Cross Section 0.000 To 3237. %



MAT 3031 (n,n') d 30-Zn-66
 Cross Section -1.107 To 0.000 %



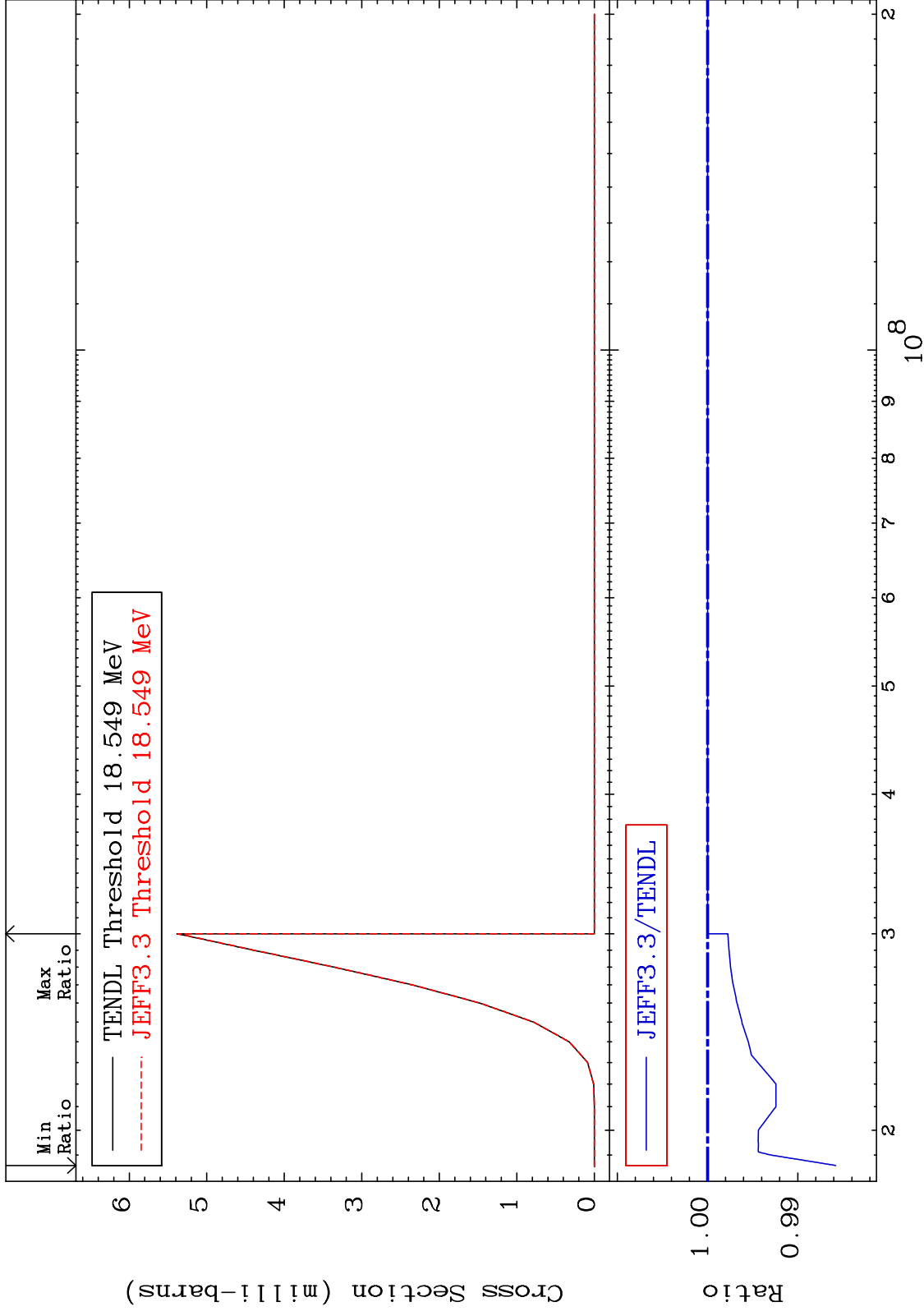
MAT 3031

(n,n') t

30-Zn-66

Cross Section

-1.421 To 0.000 %

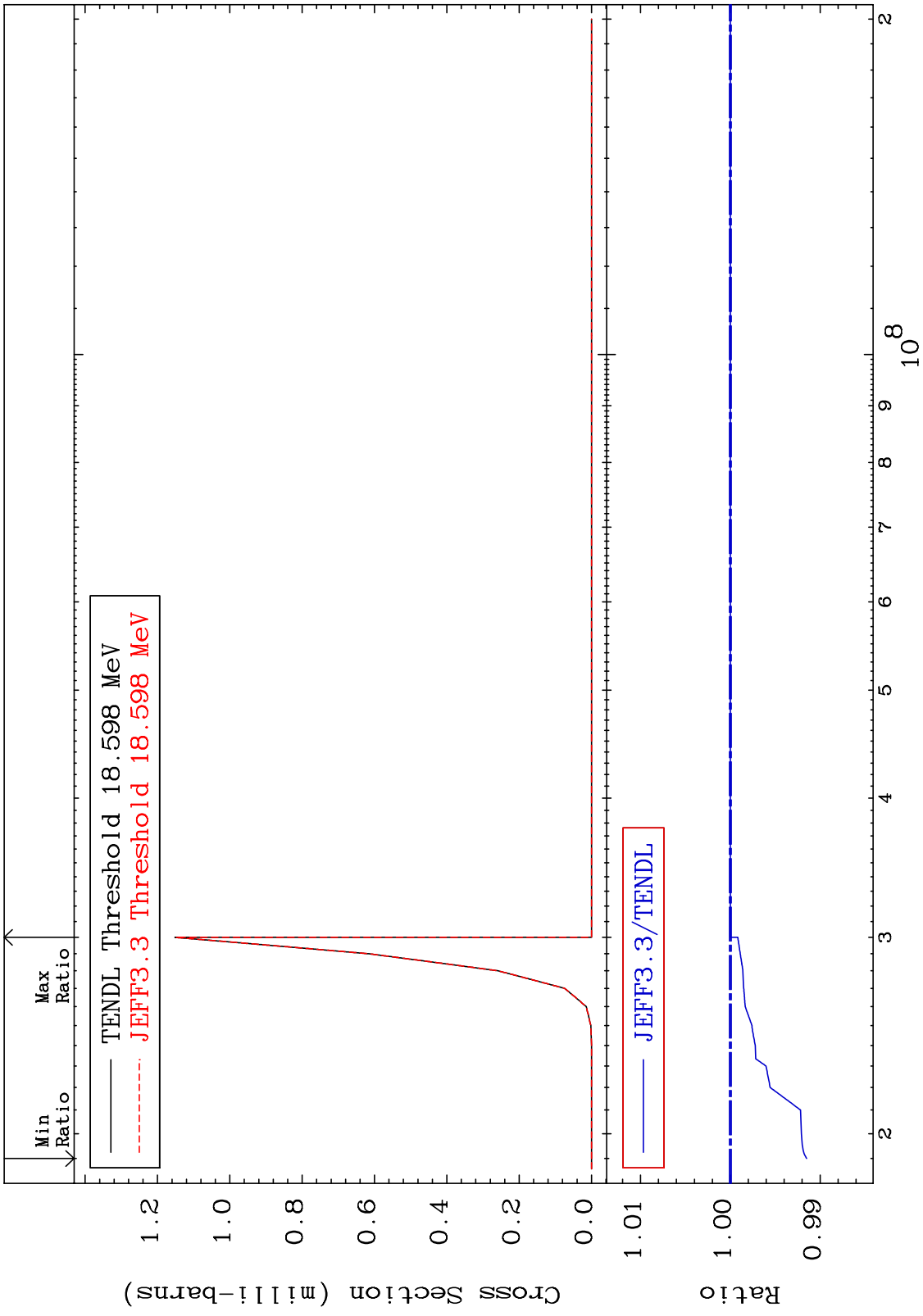


13

Incident Energy (eV)

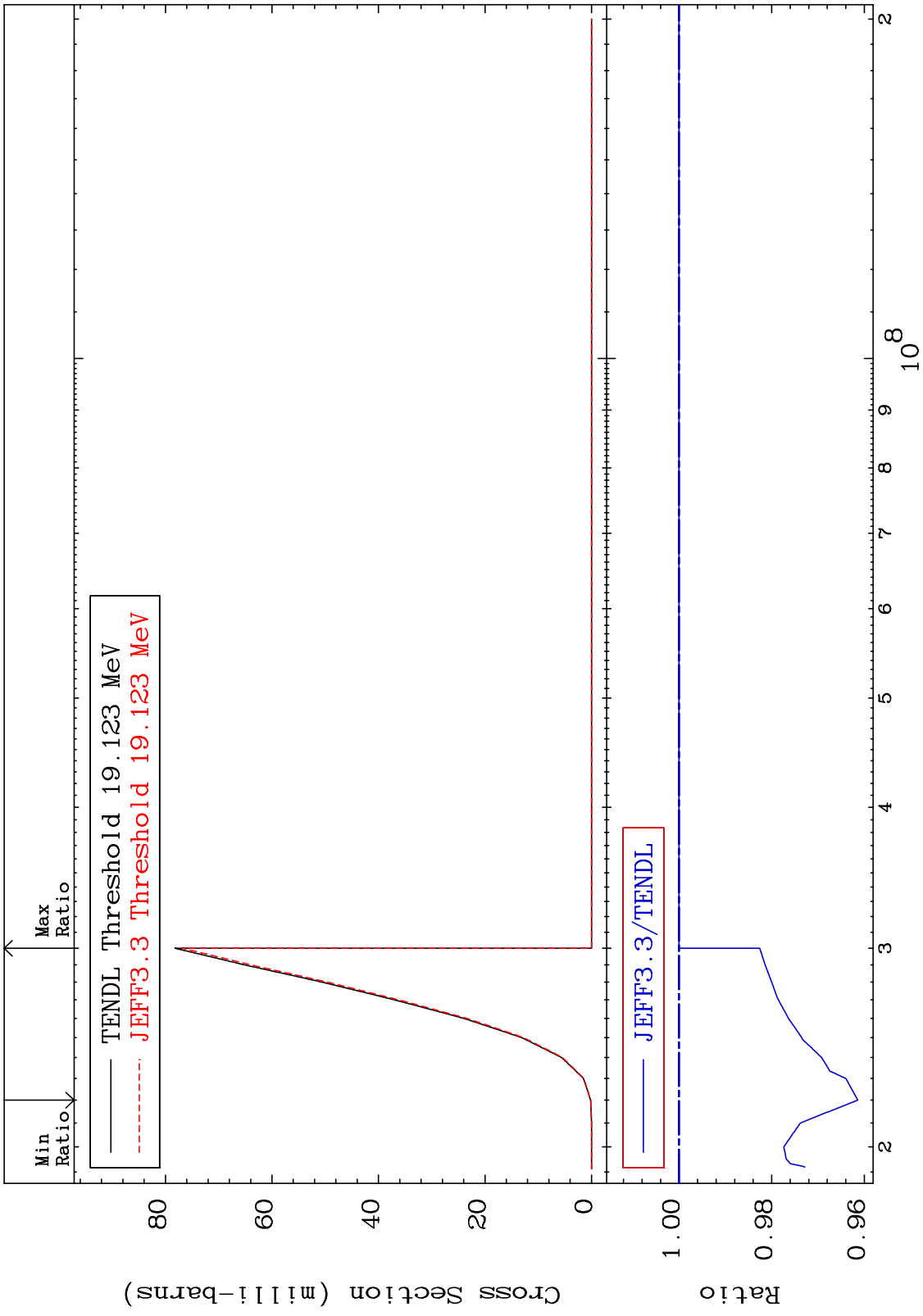
30-Zn-66

MAT 3031 (n, n') He-3 30-Zn-66
 Cross Section -0.849 To 0.000 %

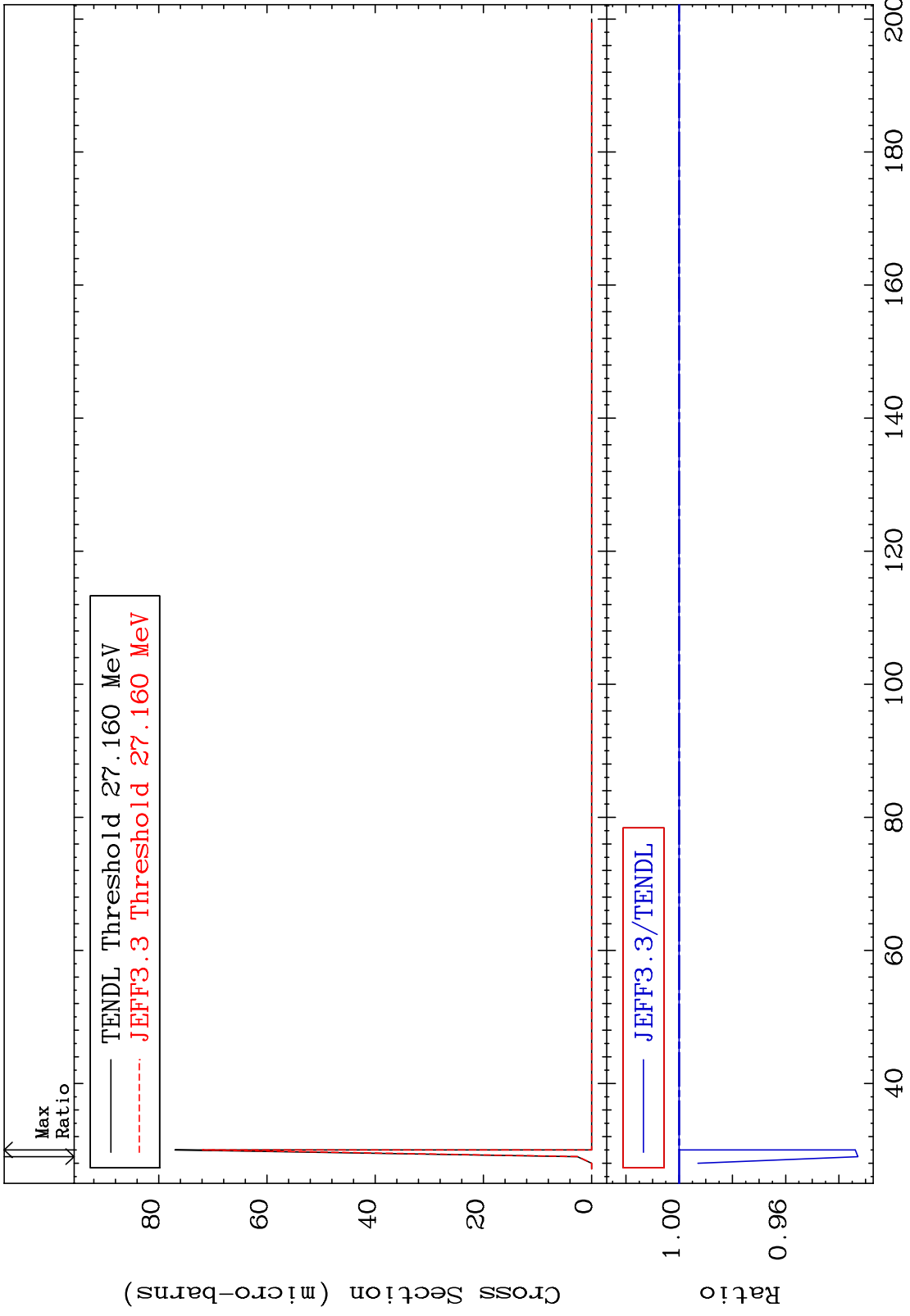


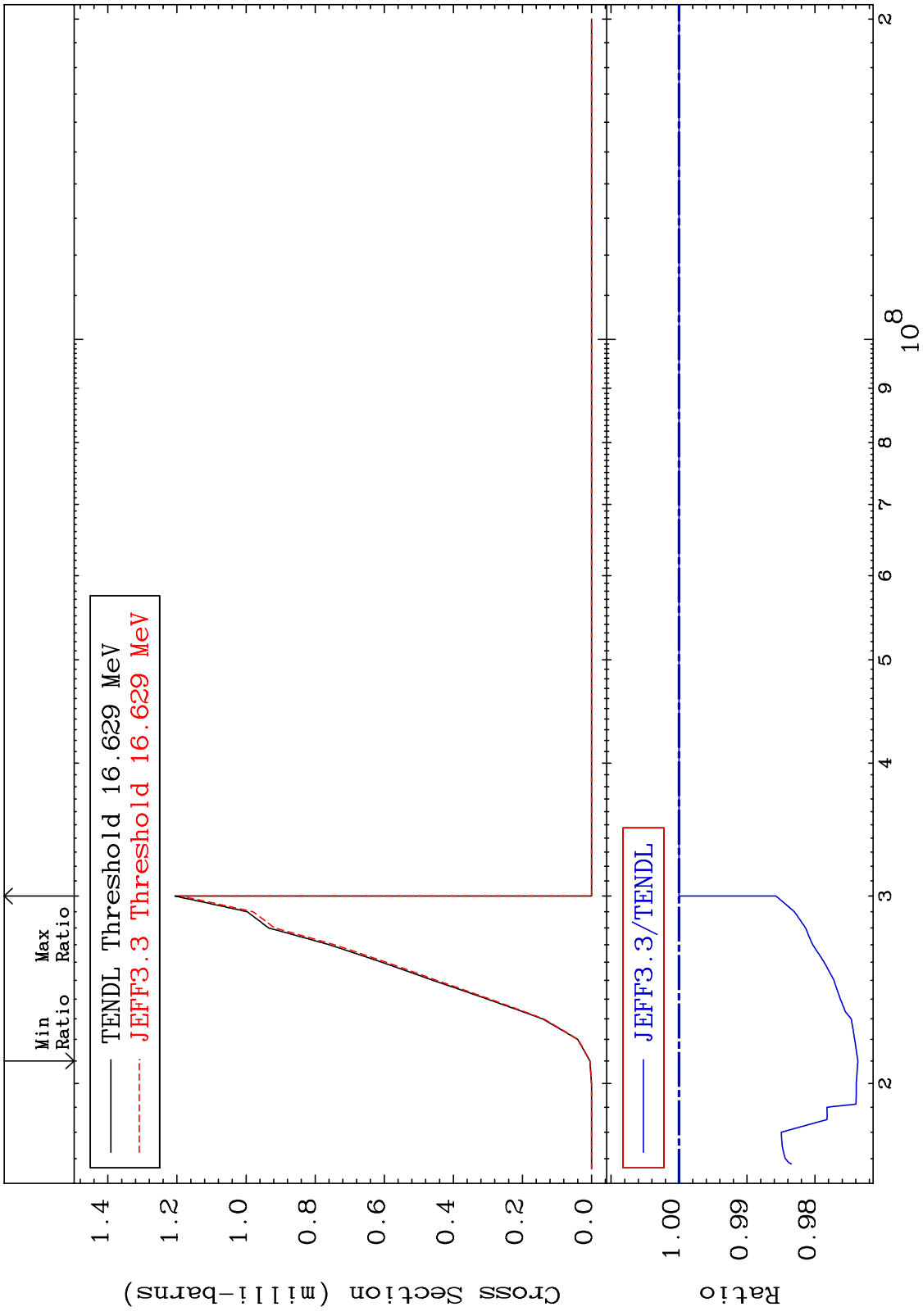
30-Zn-66

MAT 3031 (n,2n) p 30-Zn-66
 Cross Section -3.860 To 0.000 %

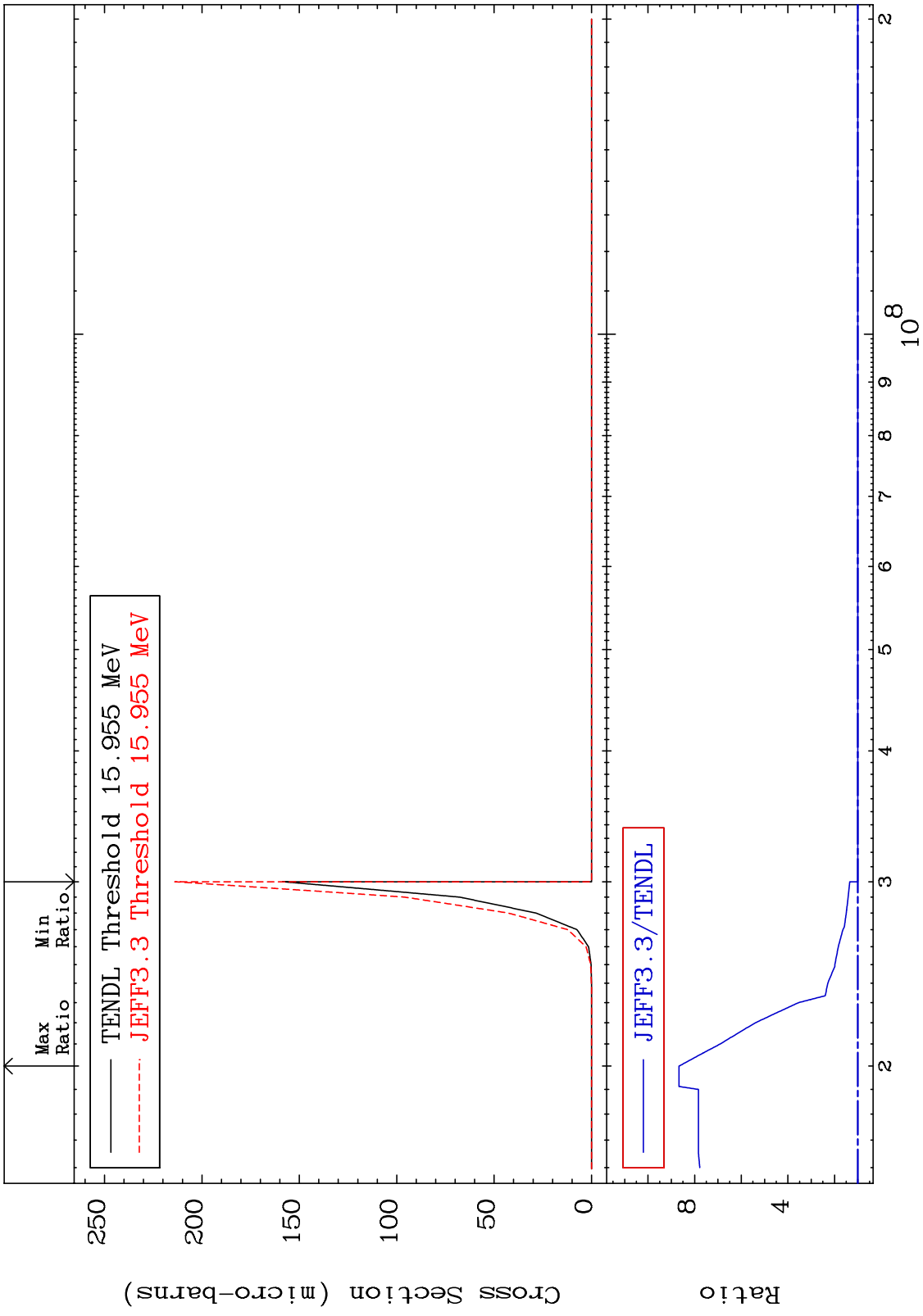


MAT 3031 (n,3n) p 30-Zn-66
Cross Section -6.715 To 0.000 %





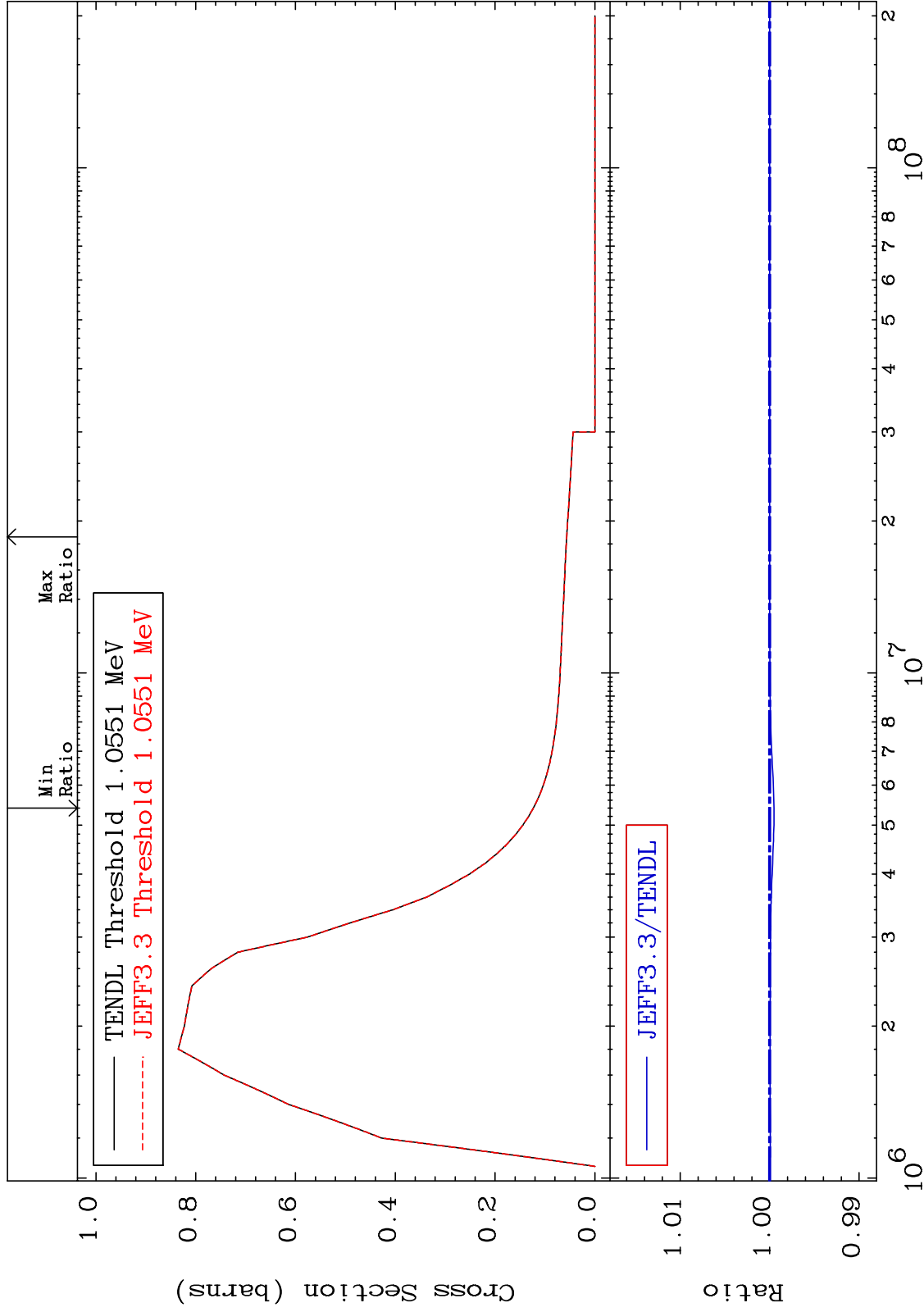
MAT 3031 (n,n') p α 30-Zn-66
Cross Section 0.000 To 766.8 %



MAT 3031

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

30-Zn-66
-0.049 To 0.000 %



19

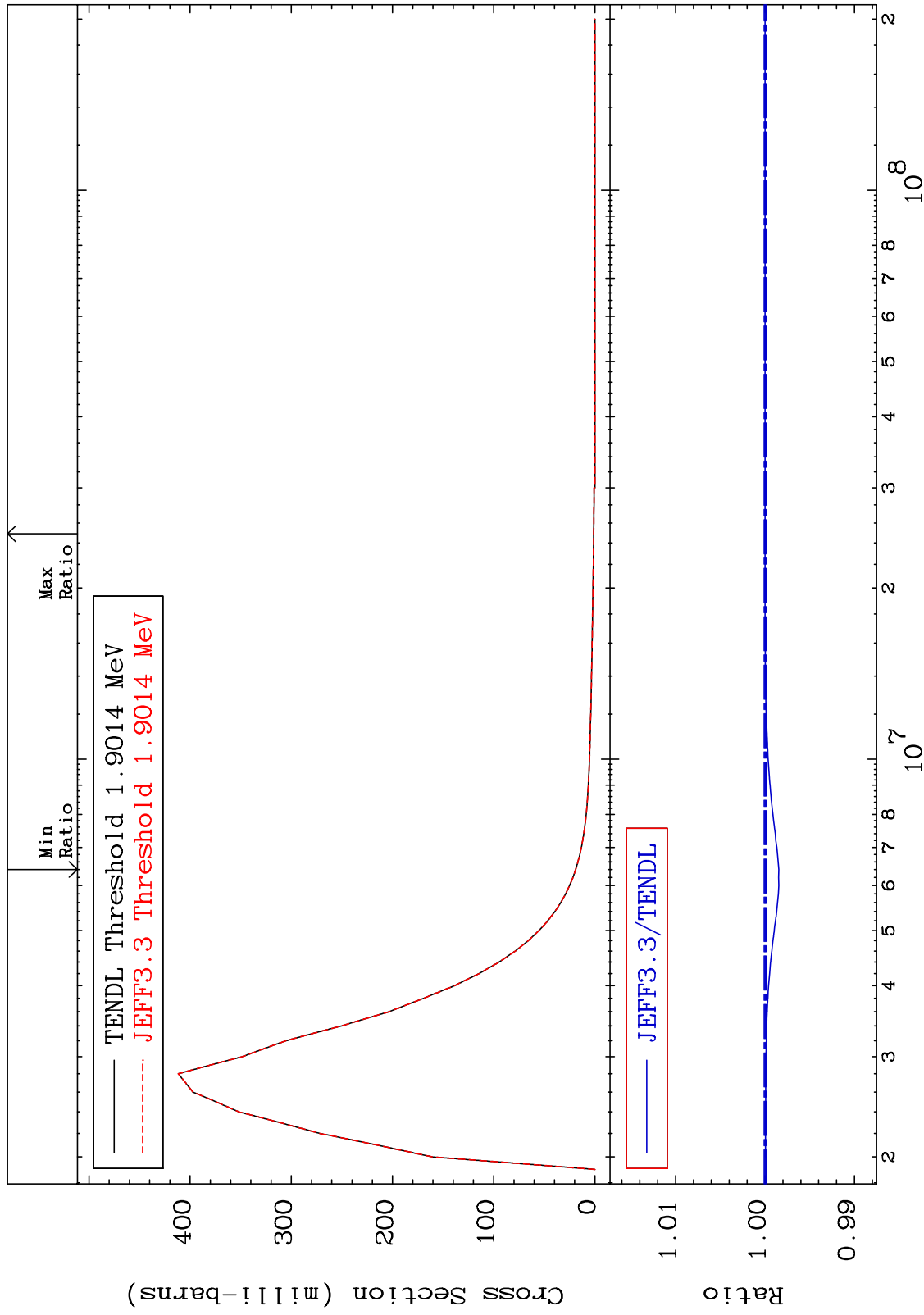
Incident Energy (eV)

30-Zn-66

MAT 3031

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

30-Zn-66
-0.153 To 0.000 %

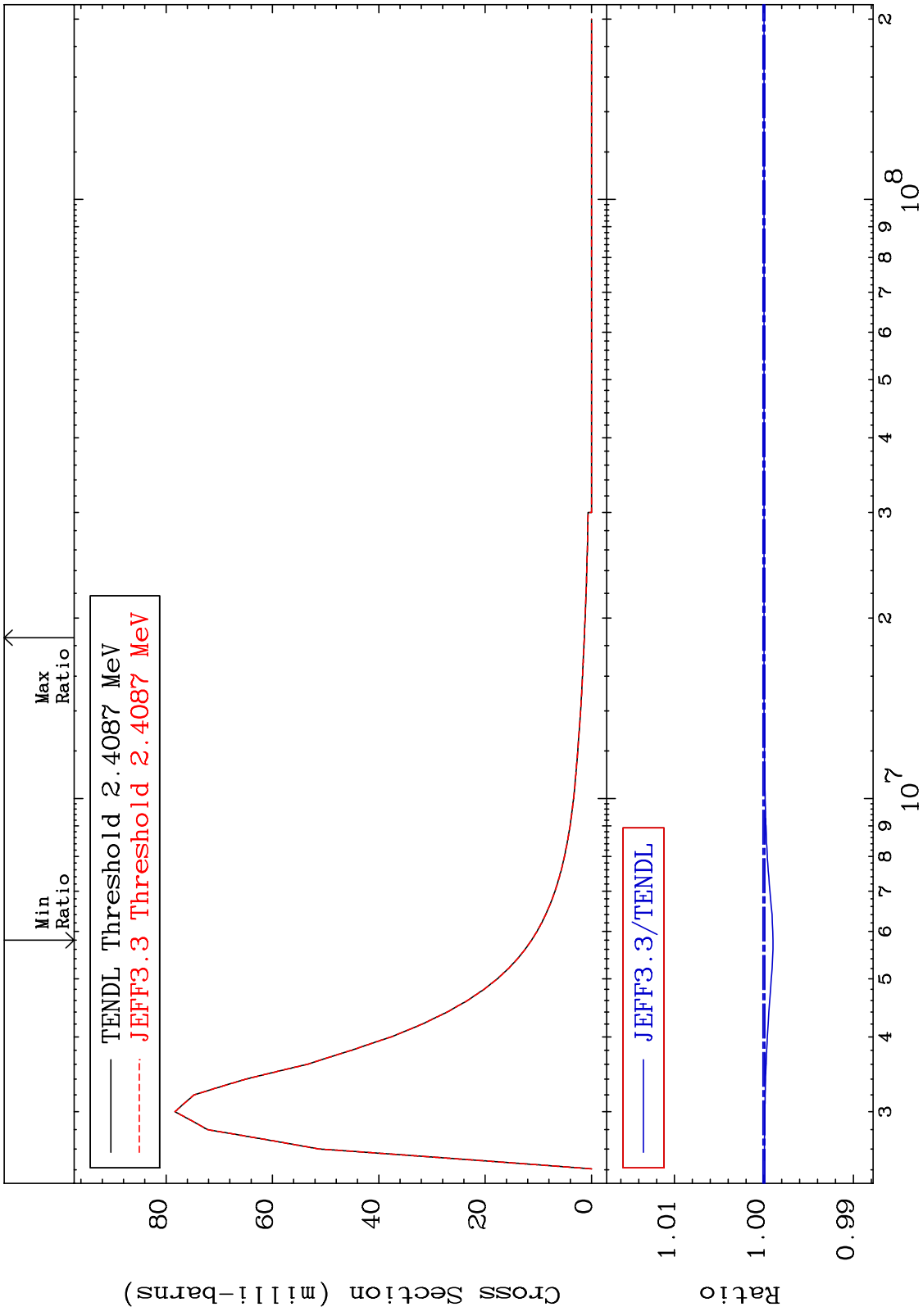


20

Incident Energy (eV)

30-Zn-66

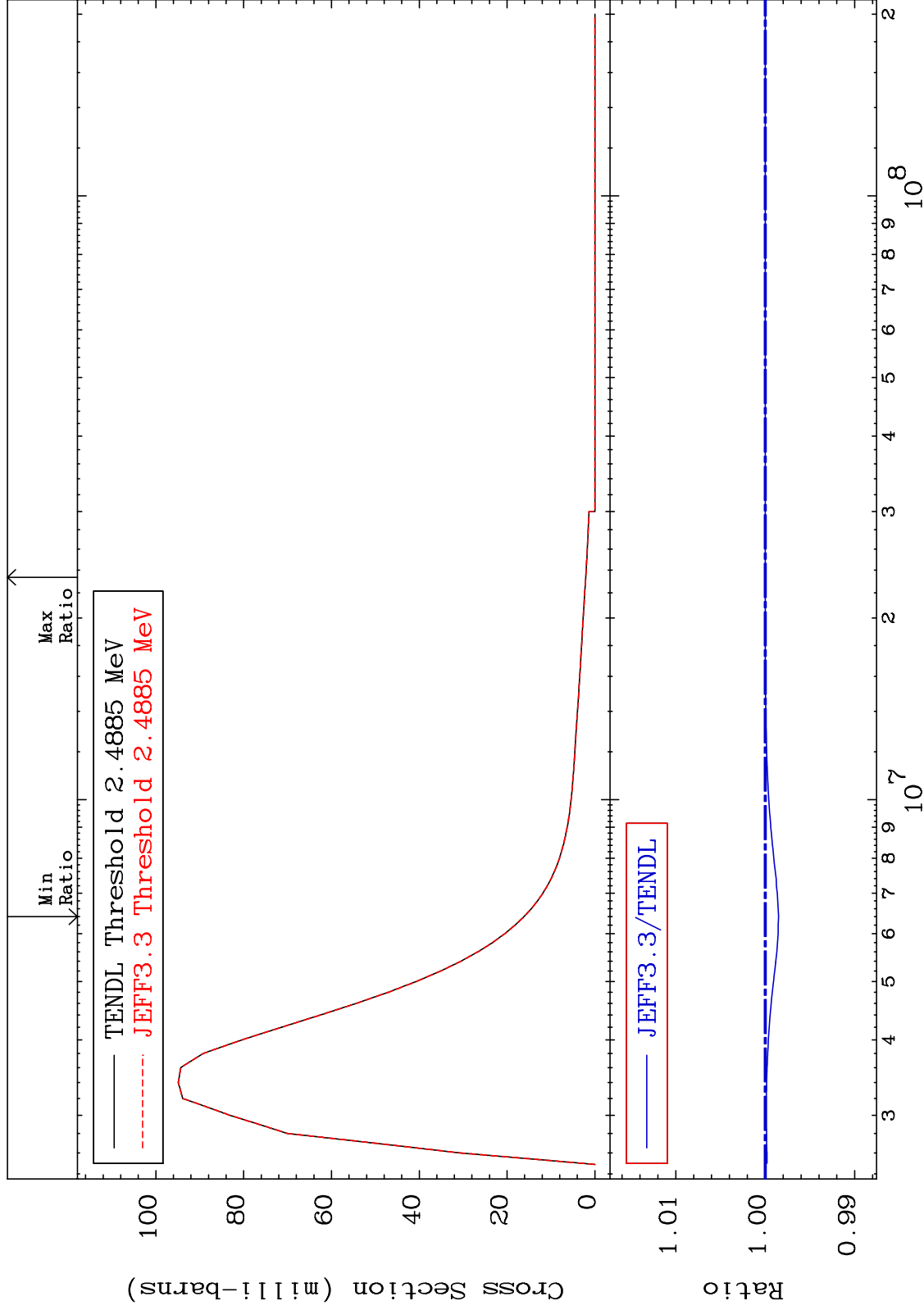
MAT 3031 MT= 53 (n,n') Level Cross Section -0.101 To 0.000 % 30-Zn-66



MAT 3031

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

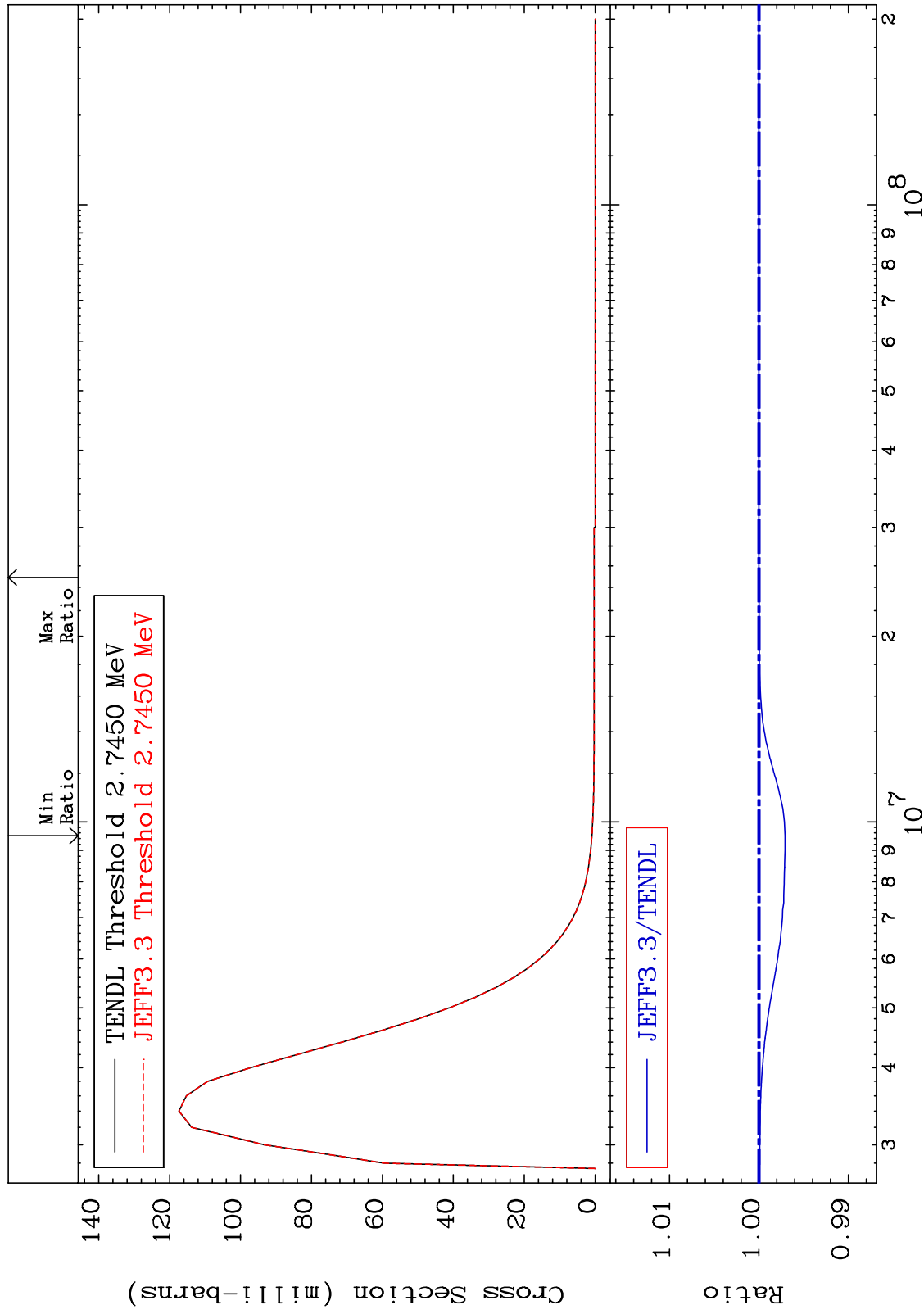
30-Zn-66
-0.148 To 0.000 %



MAT 3031

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

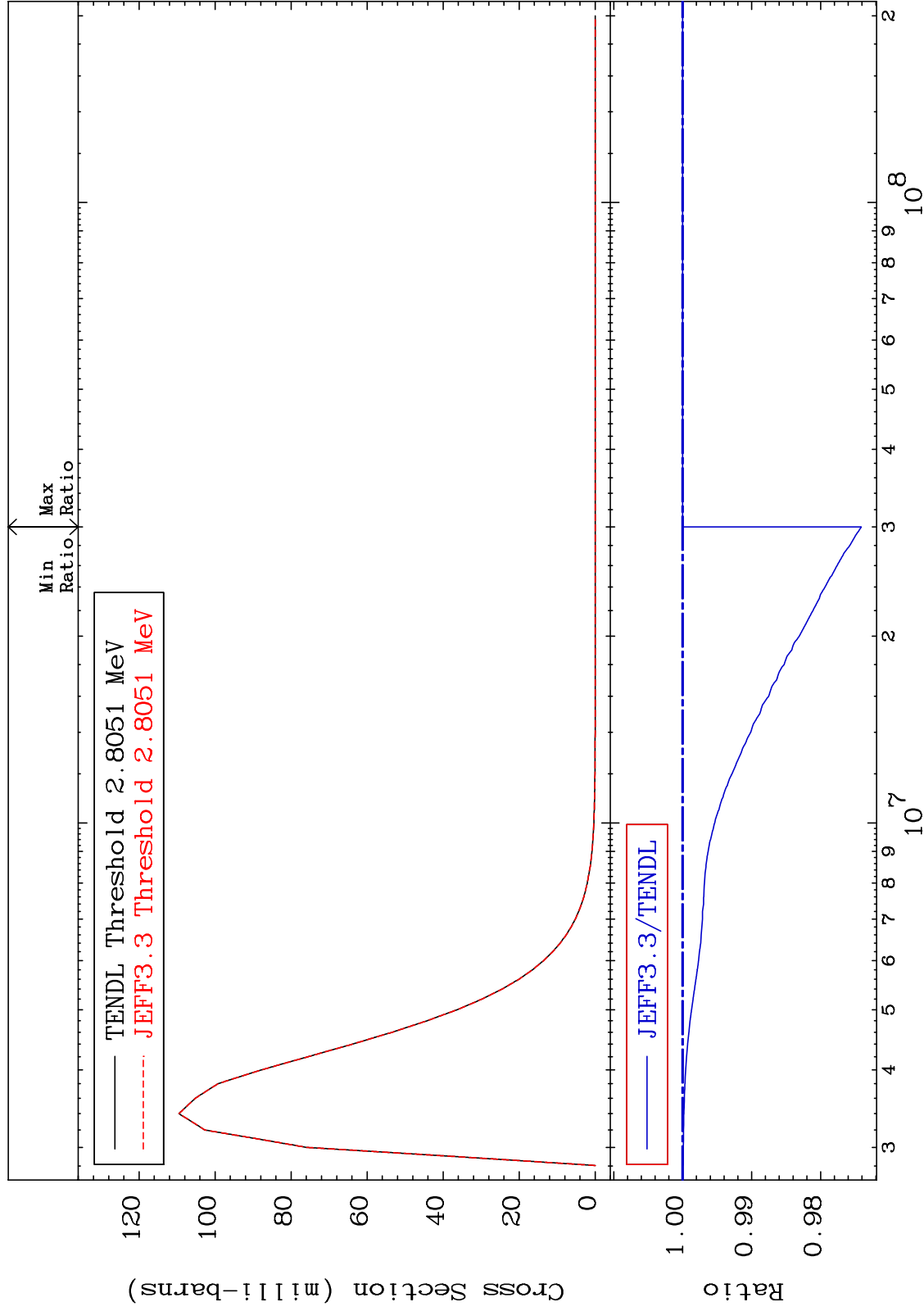
30-Zn-66
-0.292 To 0.000 %



MAT 3031

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

30-Zn-66
-2.590 To 0.000 %

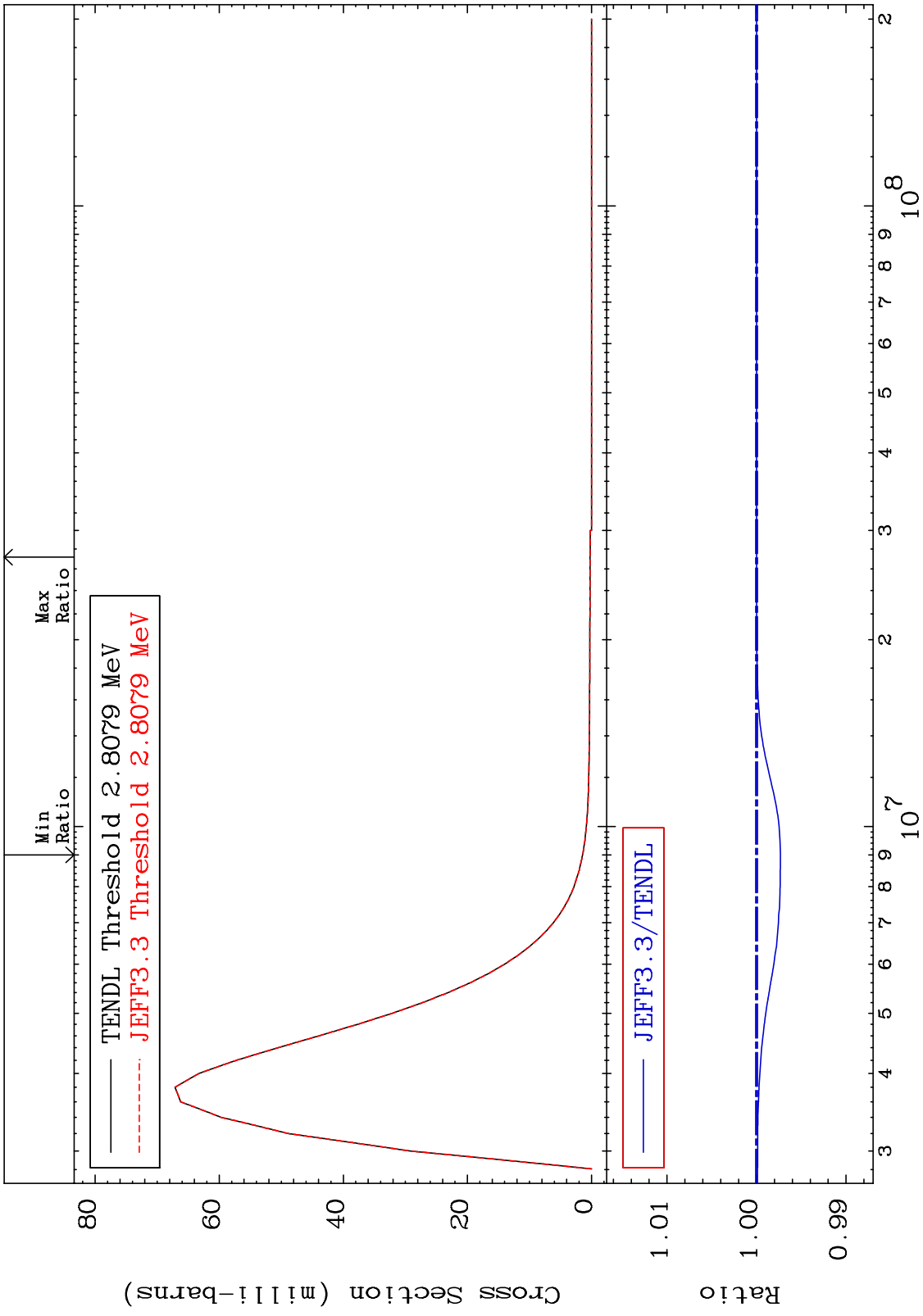


24

Incident Energy (eV)

30-Zn-66

MAT 3031 MT= 57 (n,n') Level Cross Section 30-Zn-66
 -0.266 To 0.000 %

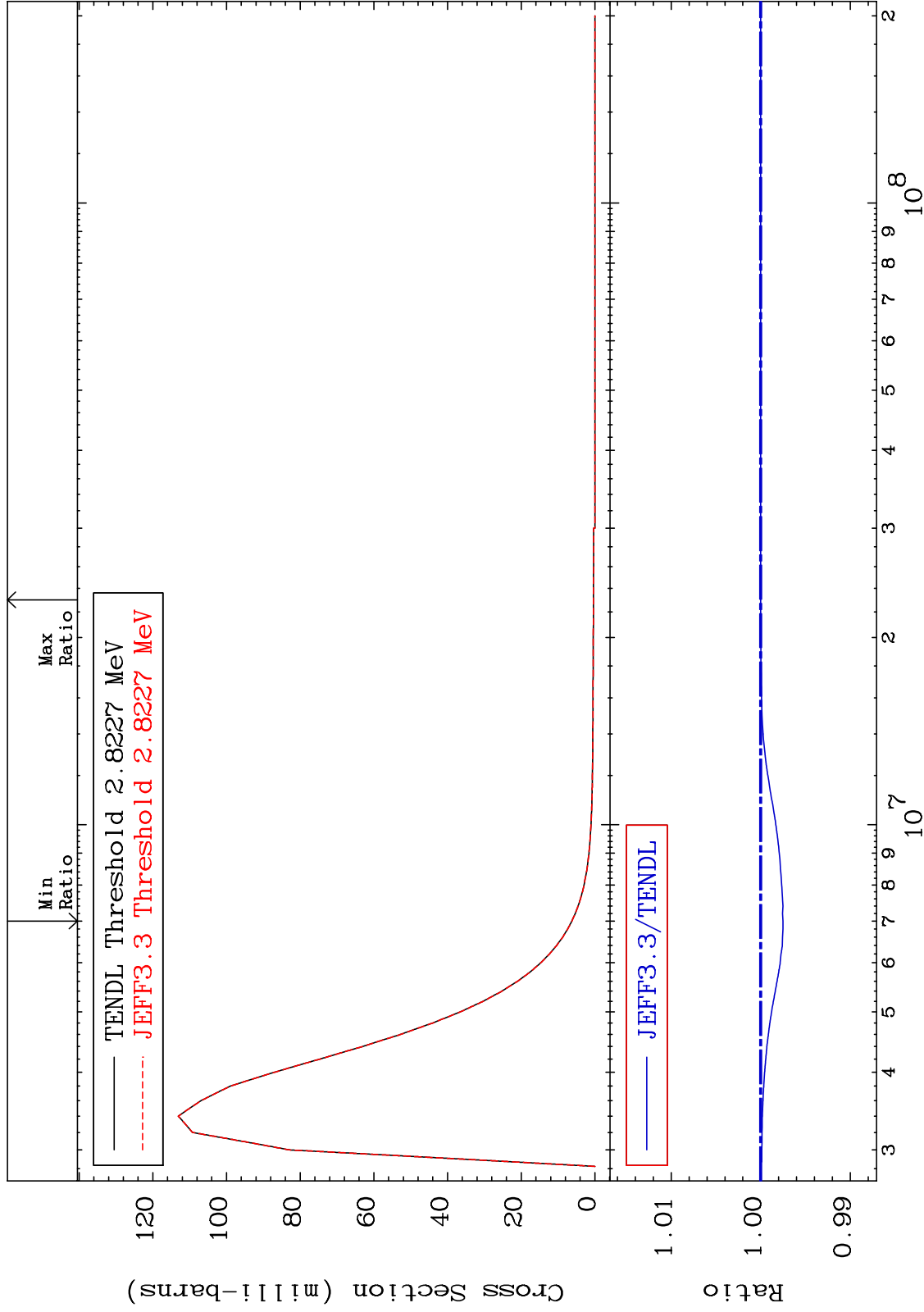


25 Incident Energy (eV) 30-Zn-66

MAT 3031

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

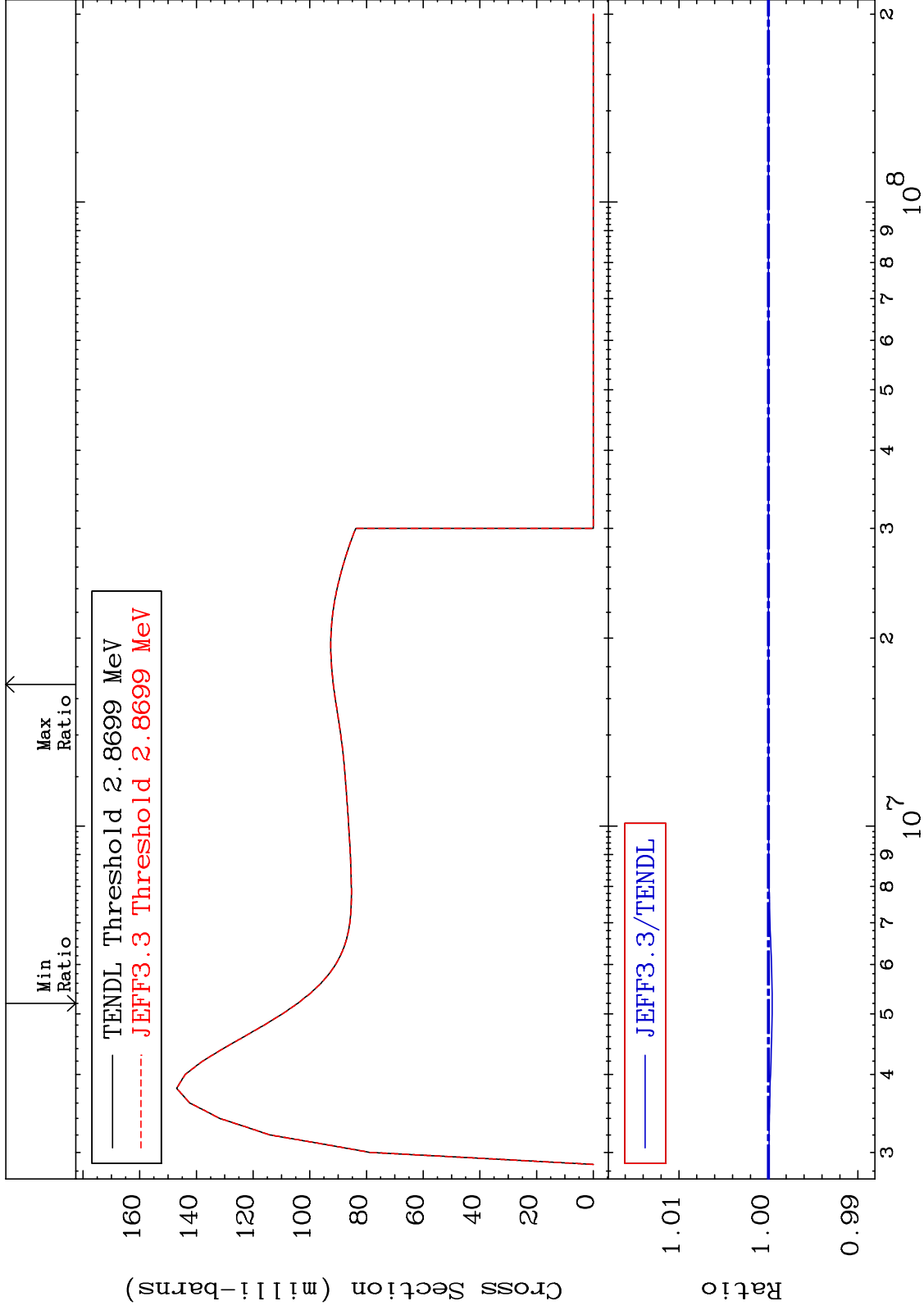
30-Zn-66
-0.249 To 0.000 %



MAT 3031

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

30-Zn-66
-0.042 To 0.000 %

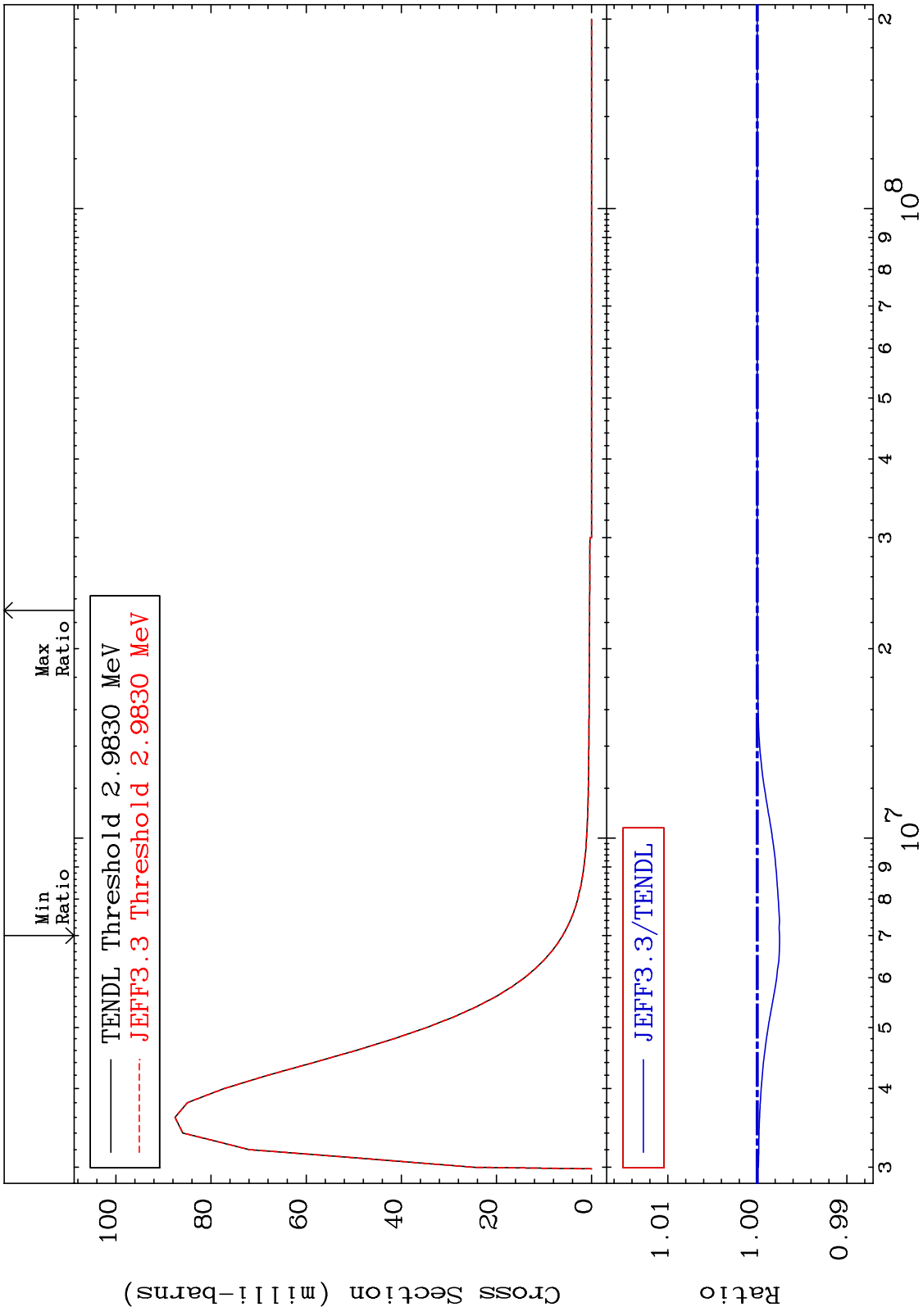


27

Incident Energy (eV)

30-Zn-66

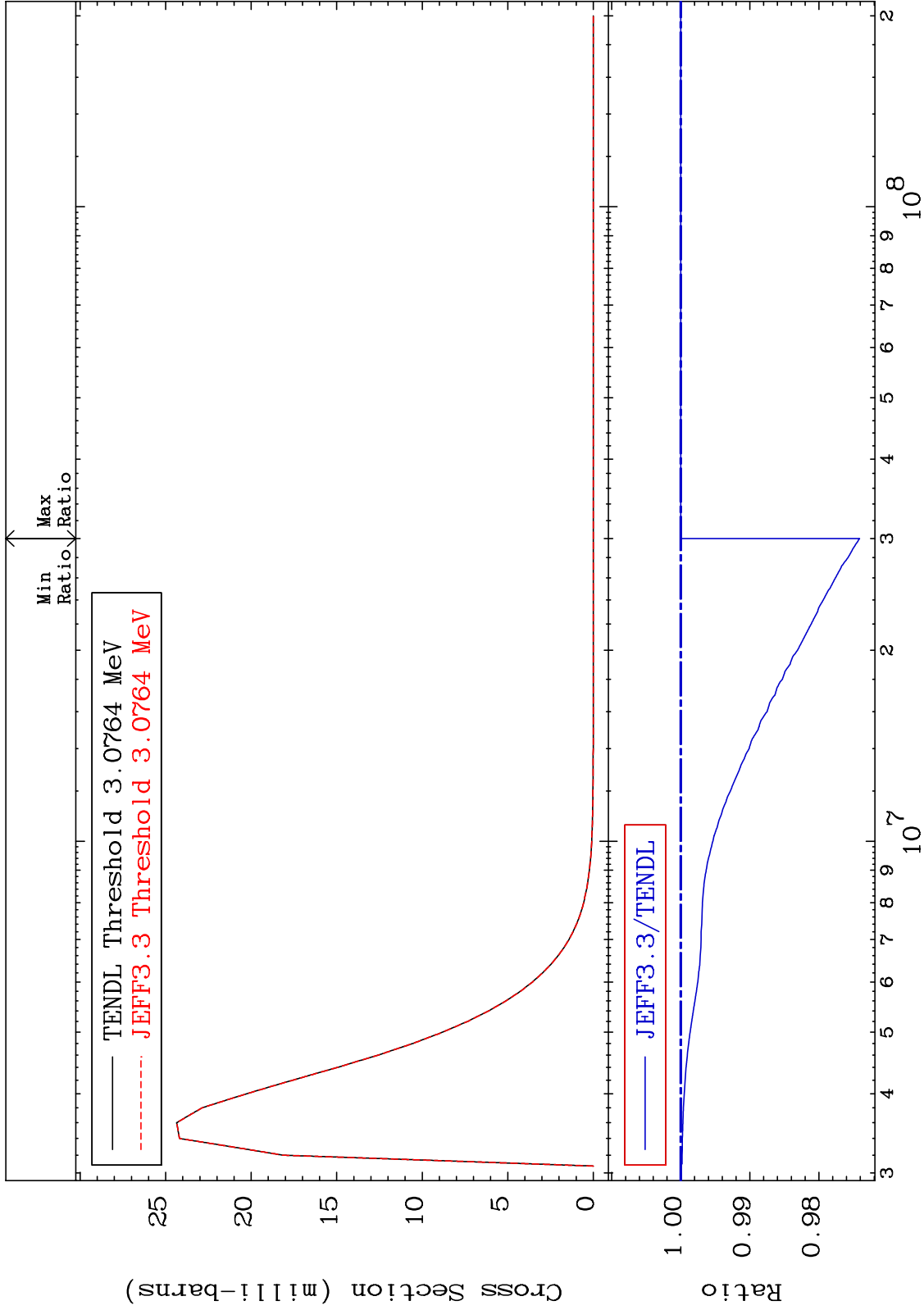
MAT 3031 MT= 60 (n,n') Level Cross Section -0.250 To 0.000 % 30-Zn-66



MAT 3031

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

30-Zn-66
-2.590 To 0.000 %



29

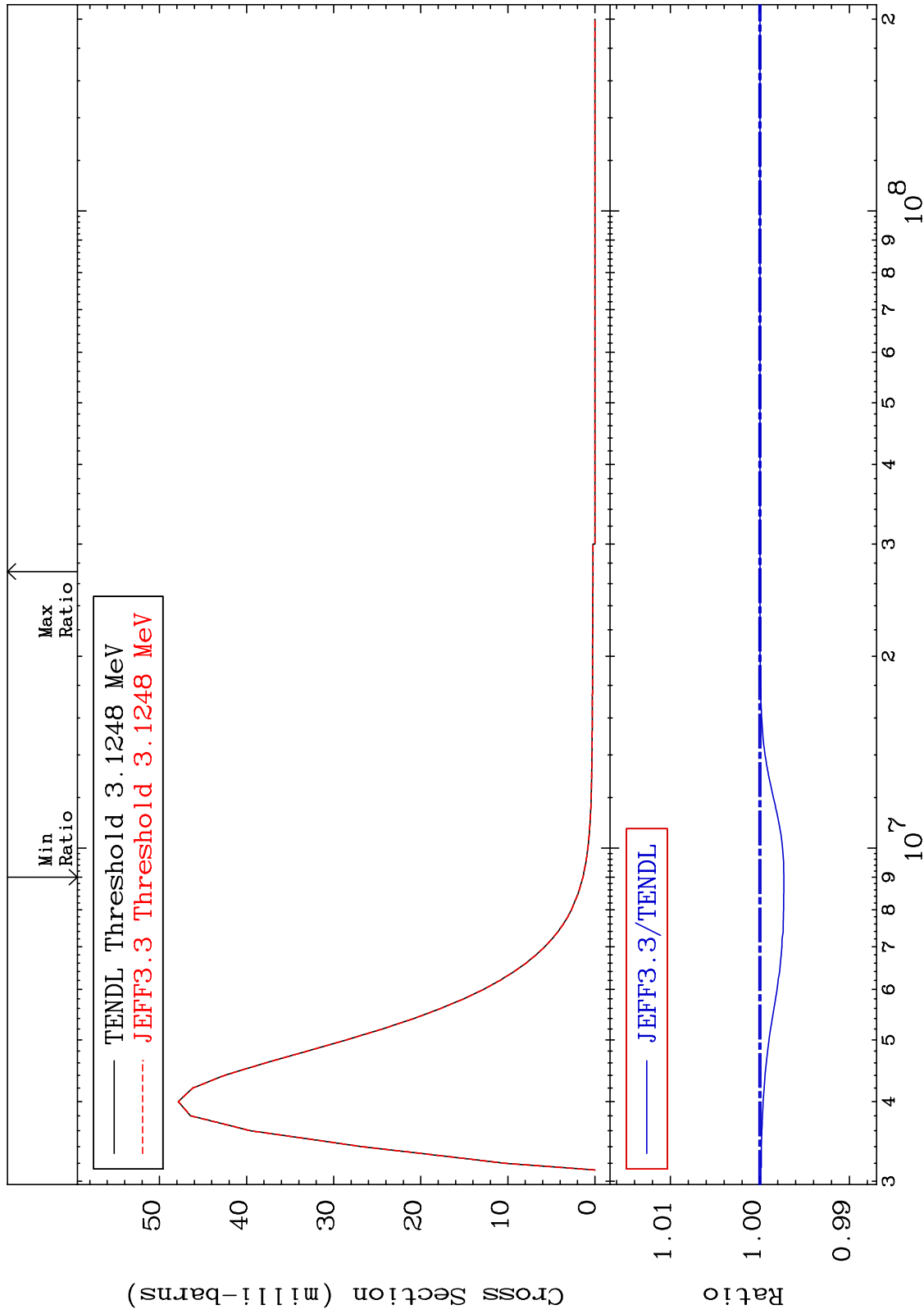
Incident Energy (eV)

30-Zn-66

MAT 3031

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

30-Zn-66
-0.267 To 0.000 %



30

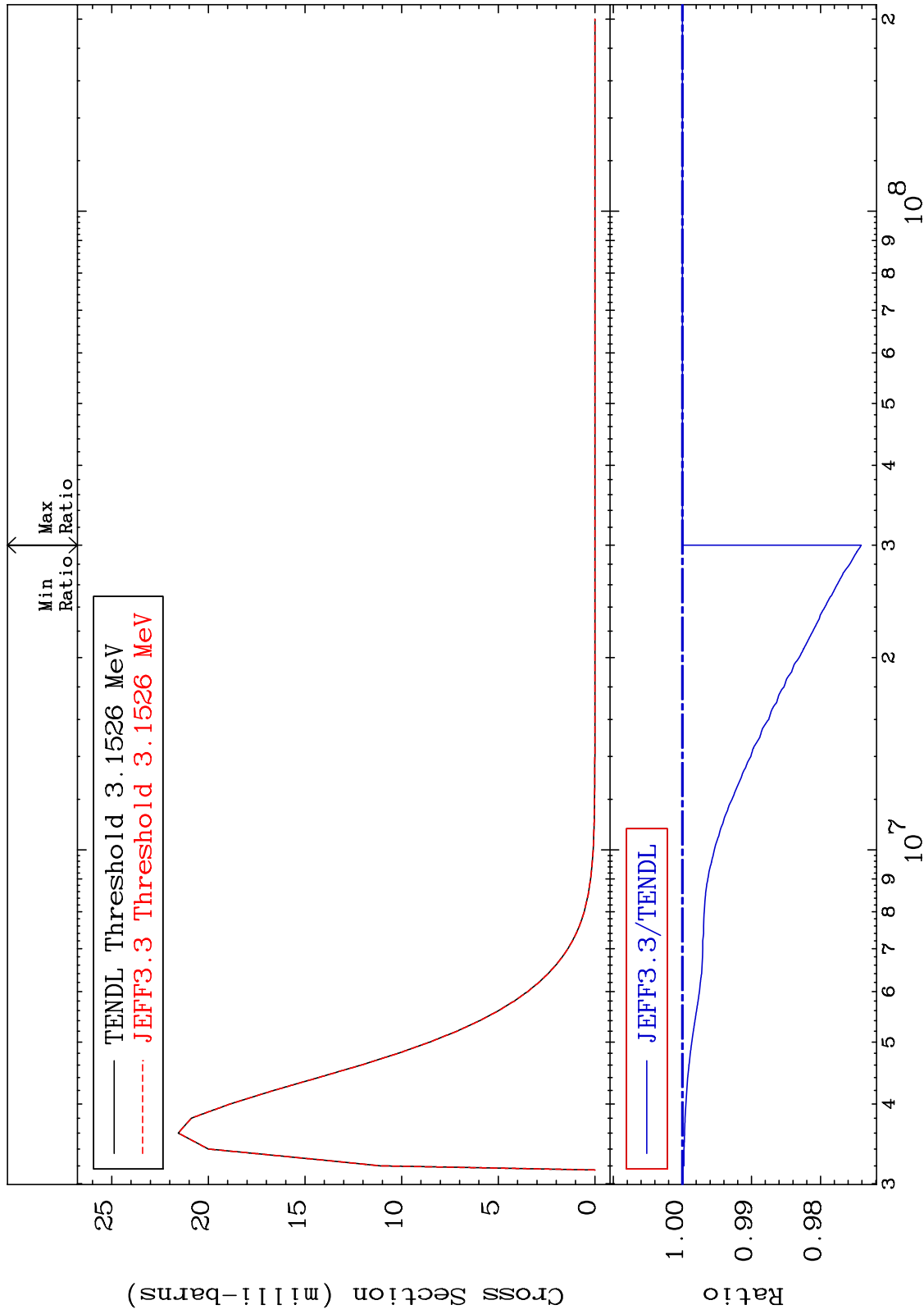
Incident Energy (eV)

30-Zn-66

MAT 3031

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

30-Zn-66
-2.590 To 0.000 %

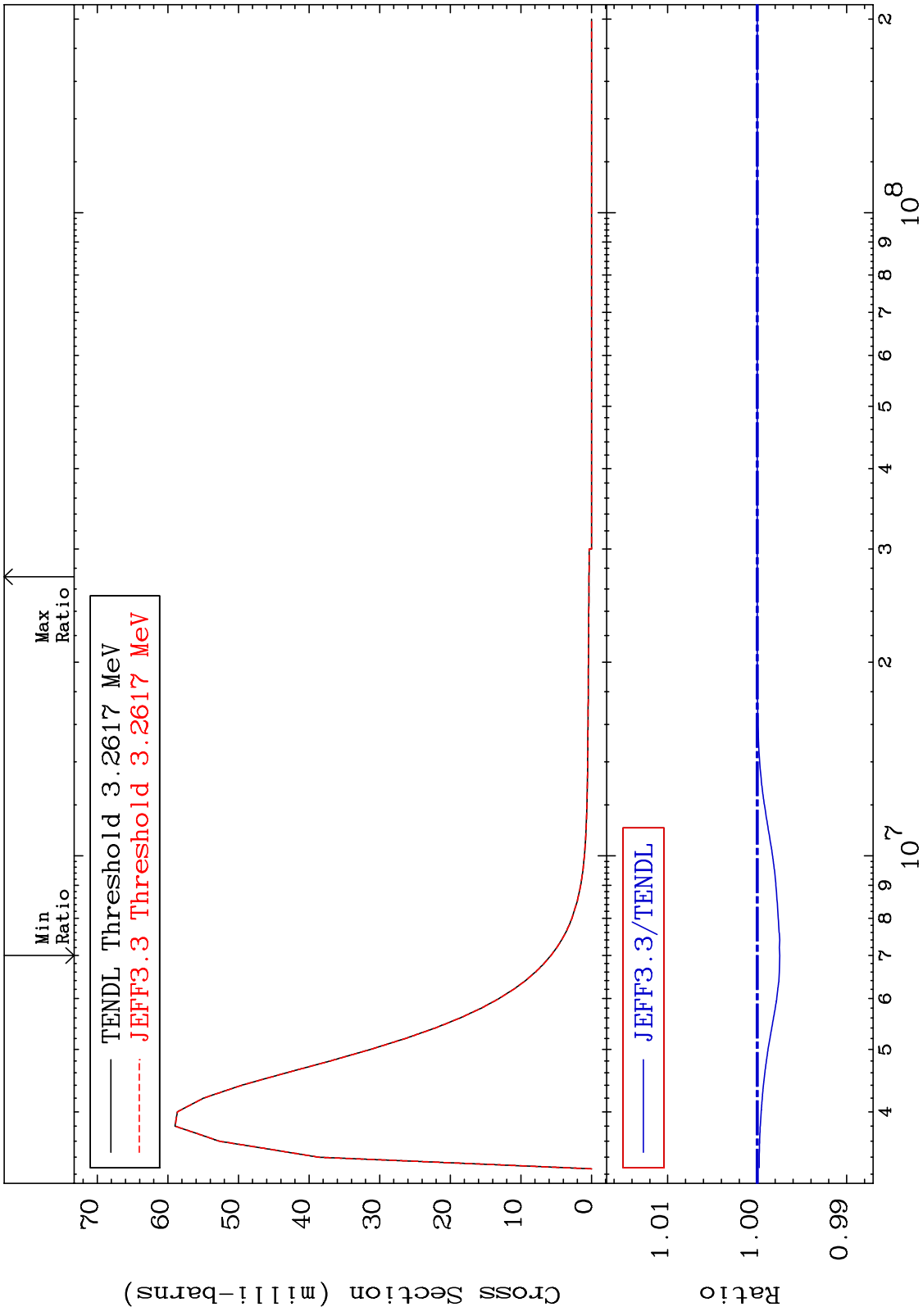


31

Incident Energy (eV)

30-Zn-66

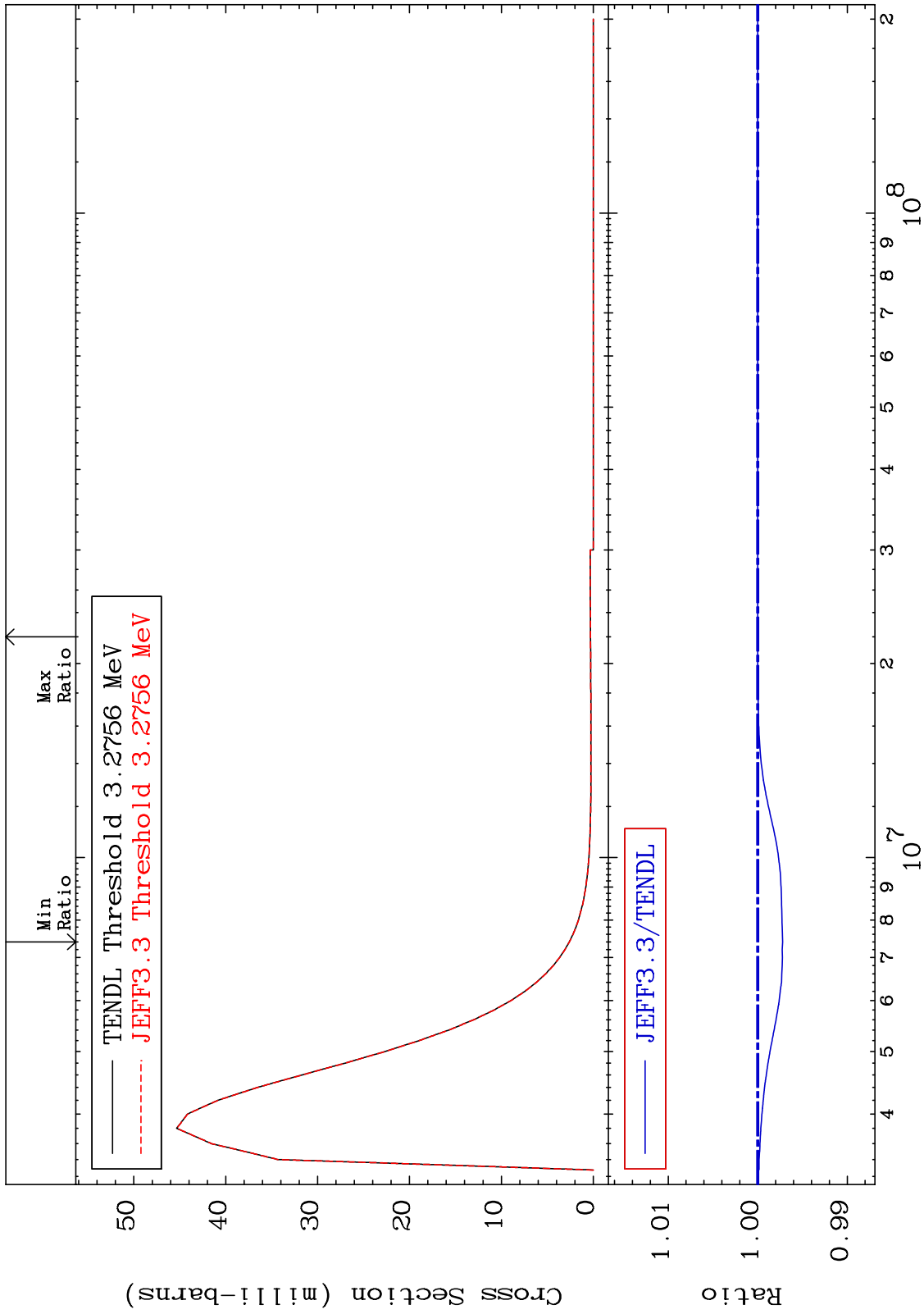
MAT 3031 MT= 64 (n,n') Level Cross Section 30-Zn-66
 -0.251 To 0.000 %



MAT 3031

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

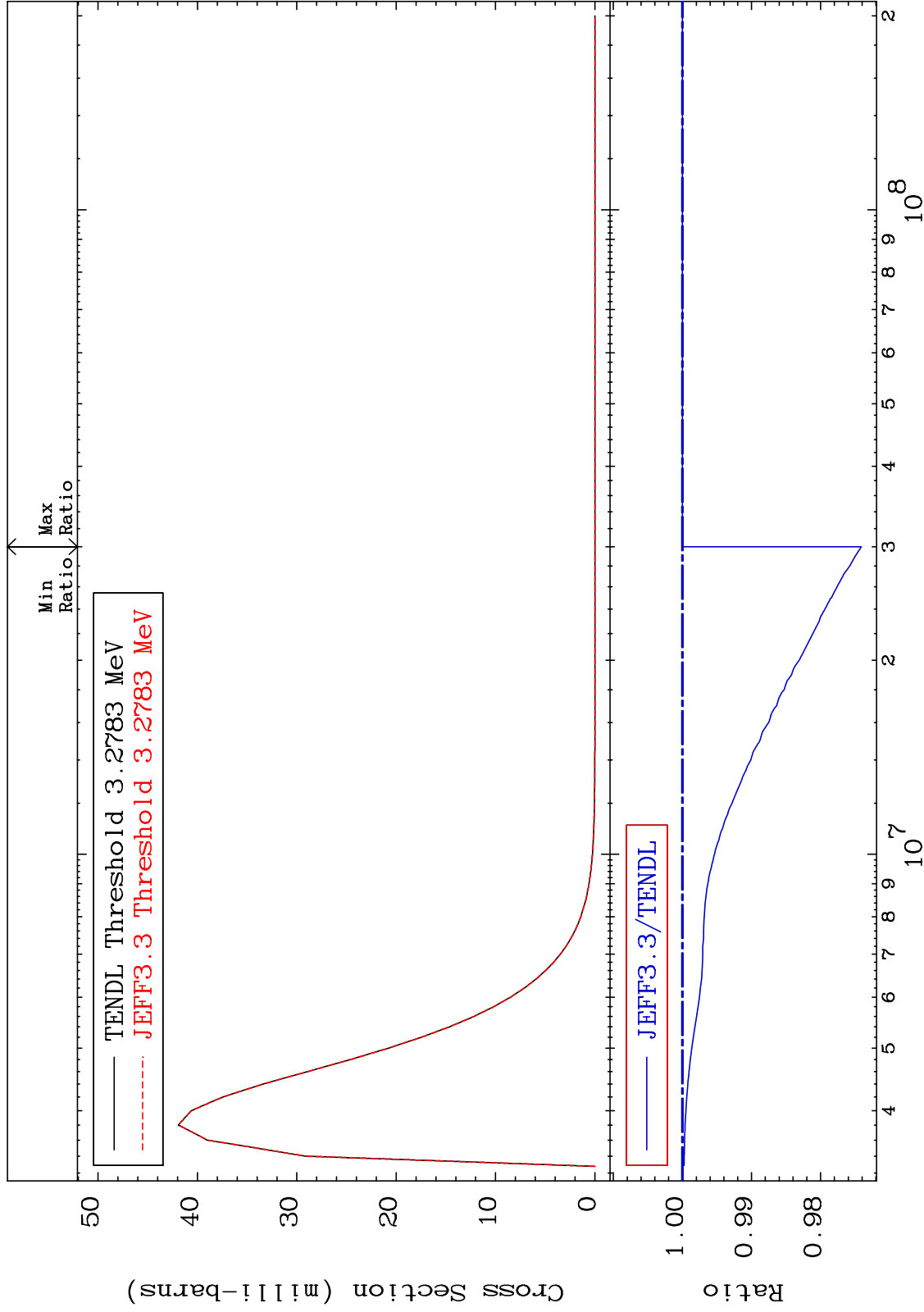
30-Zn-66
-0.279 To 0.000 %



MAT 3031

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

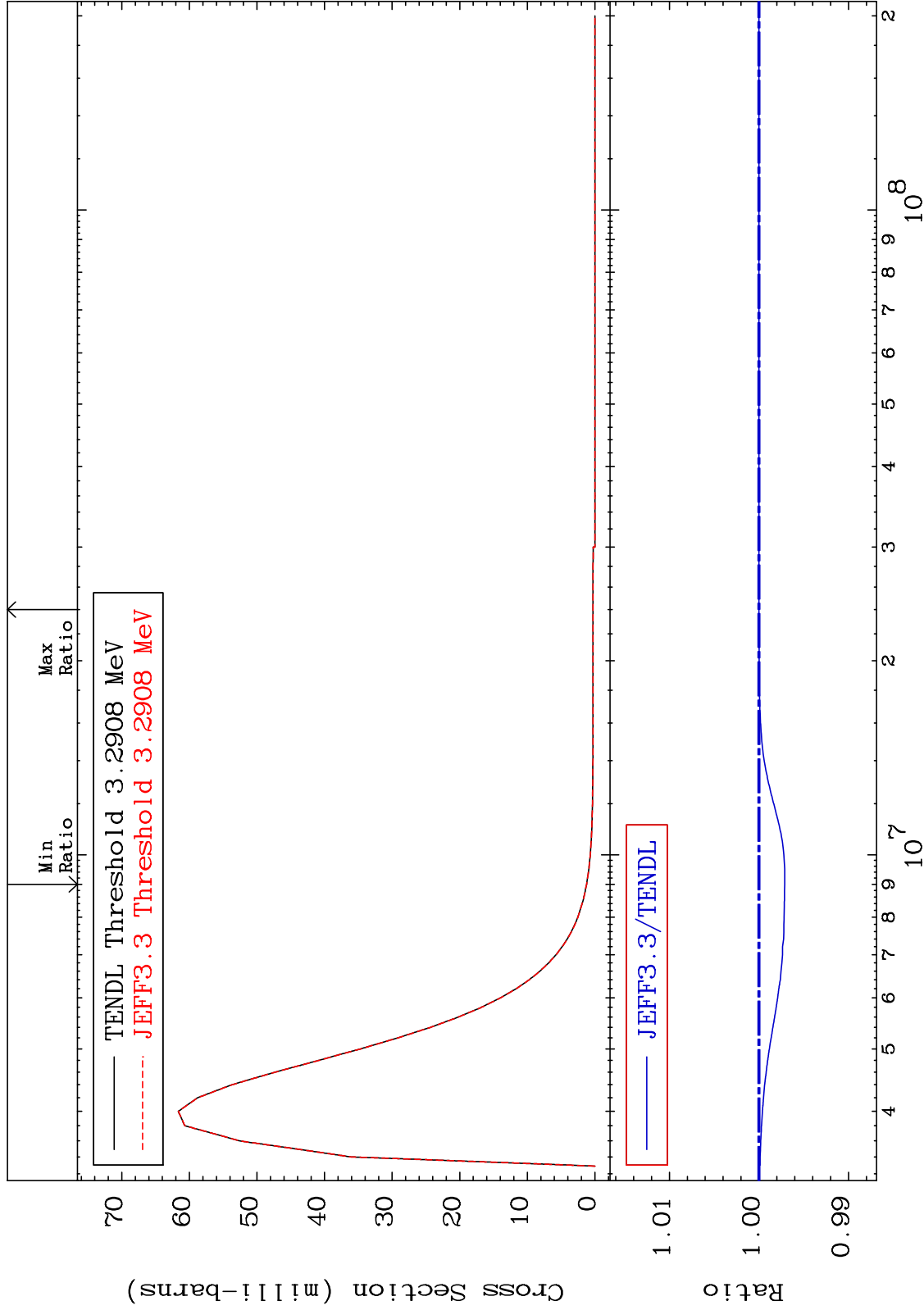
30-Zn-66
-2.589 To 0.000 %



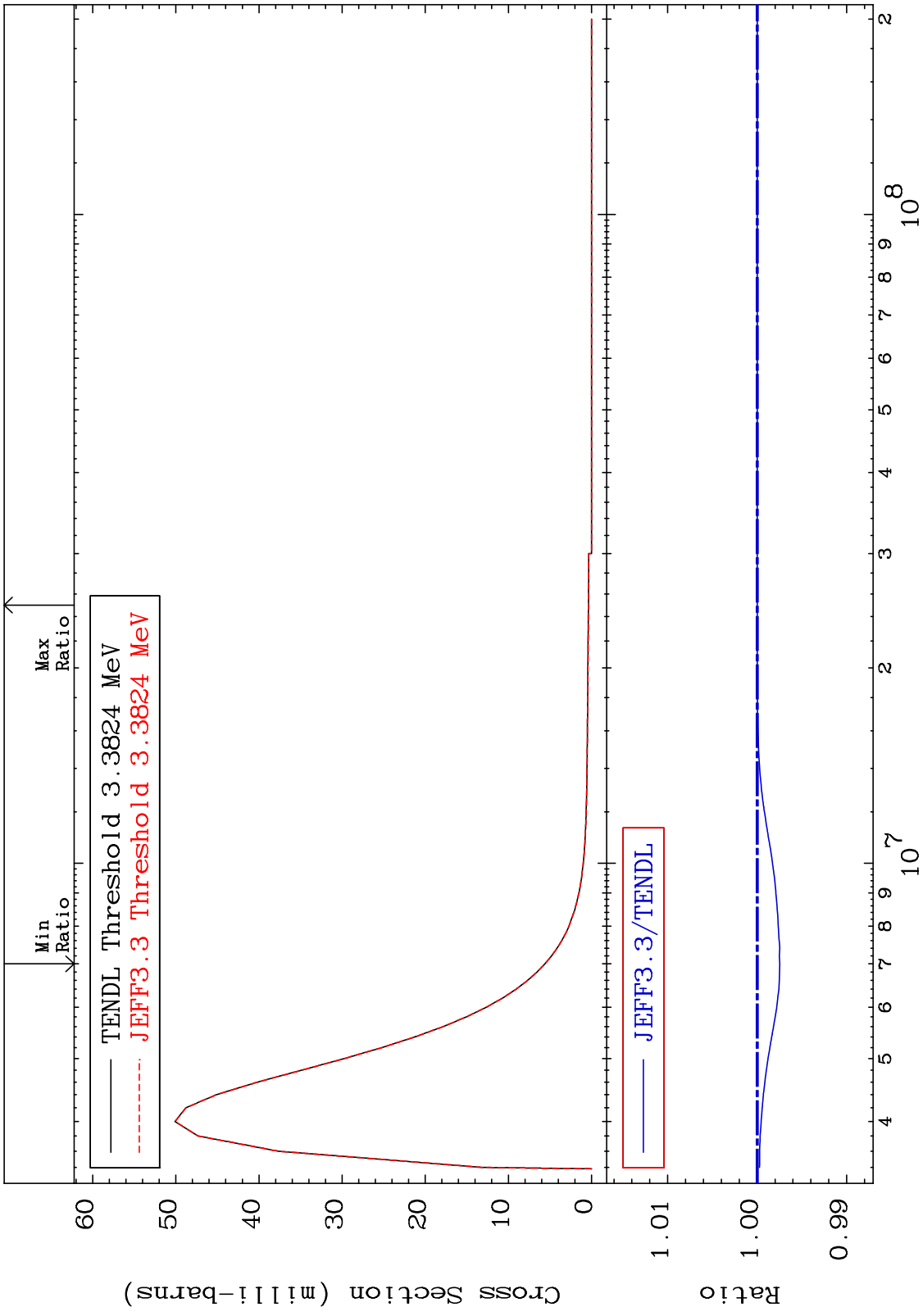
MAT 3031

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

30-Zn-66
-0.289 To 0.000 %



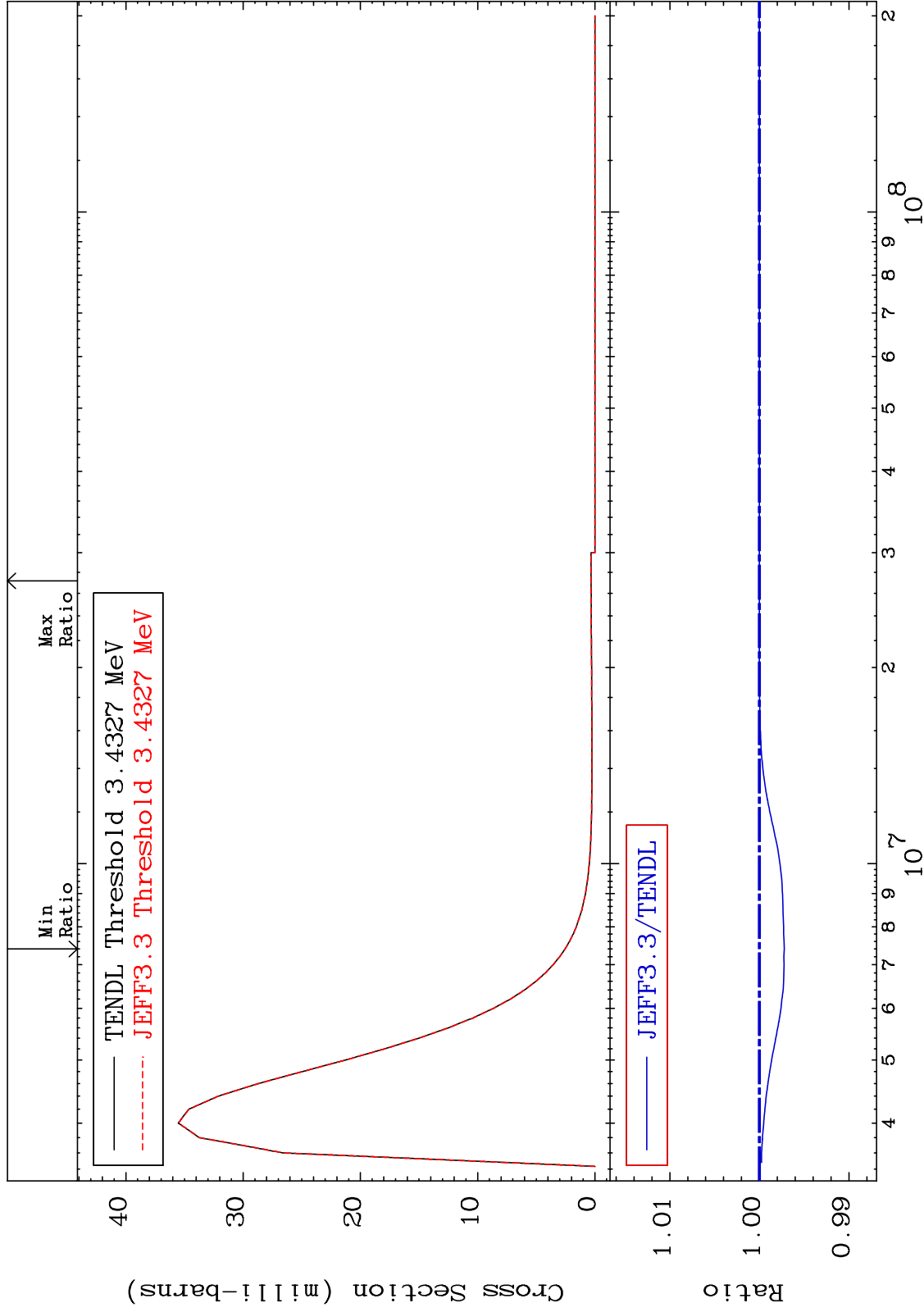
MAT 3031 MT= 68 (n,n') Level Cross Section 30-Zn-66
 -0.252 To 0.000 %



MAT 3031

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

30-Zn-66
-0.279 To 0.000 %



37

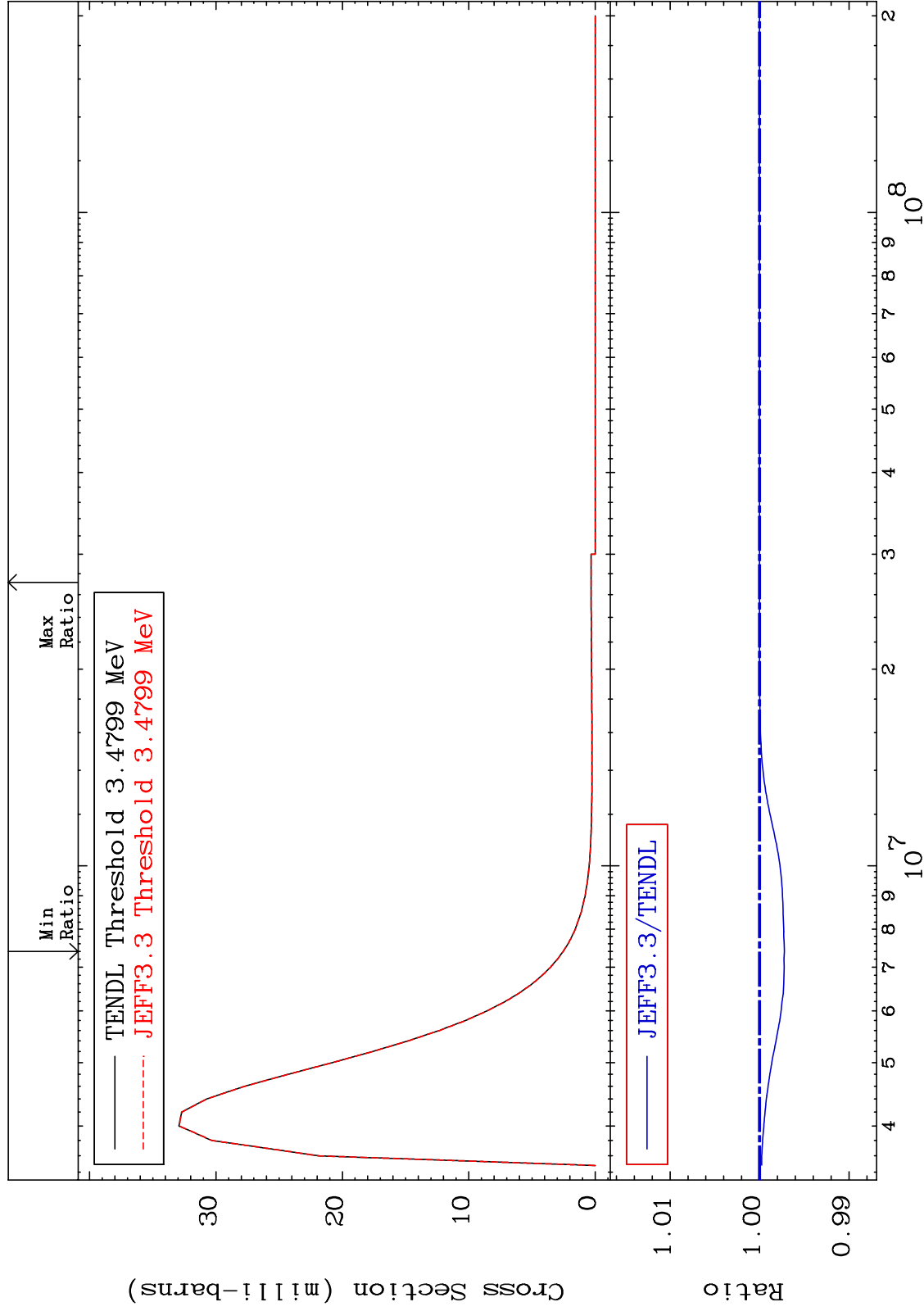
Incident Energy (eV)

30-Zn-66

MAT 3031

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

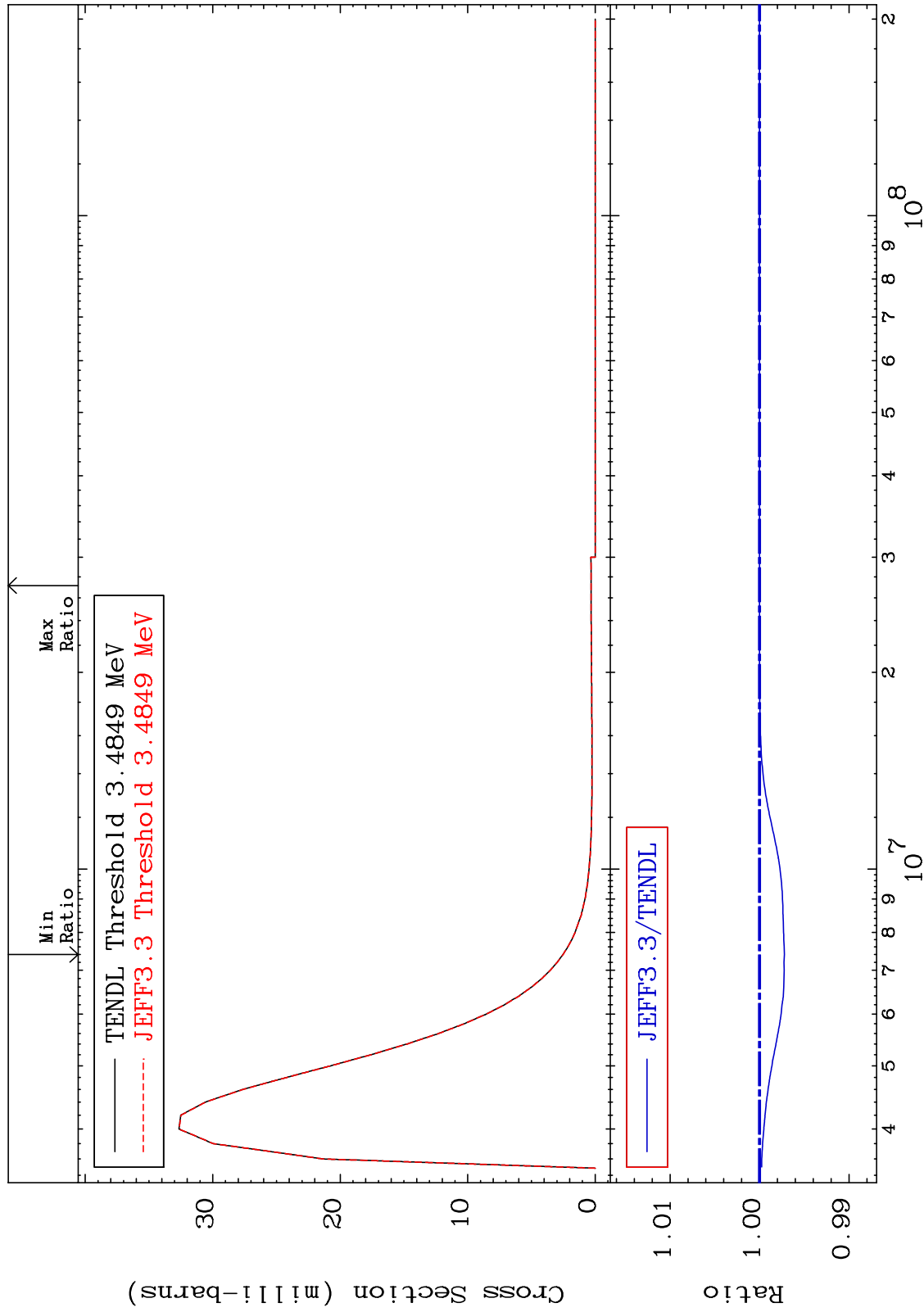
30-Zn-66
-0.279 To 0.000 %



MAT 3031

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

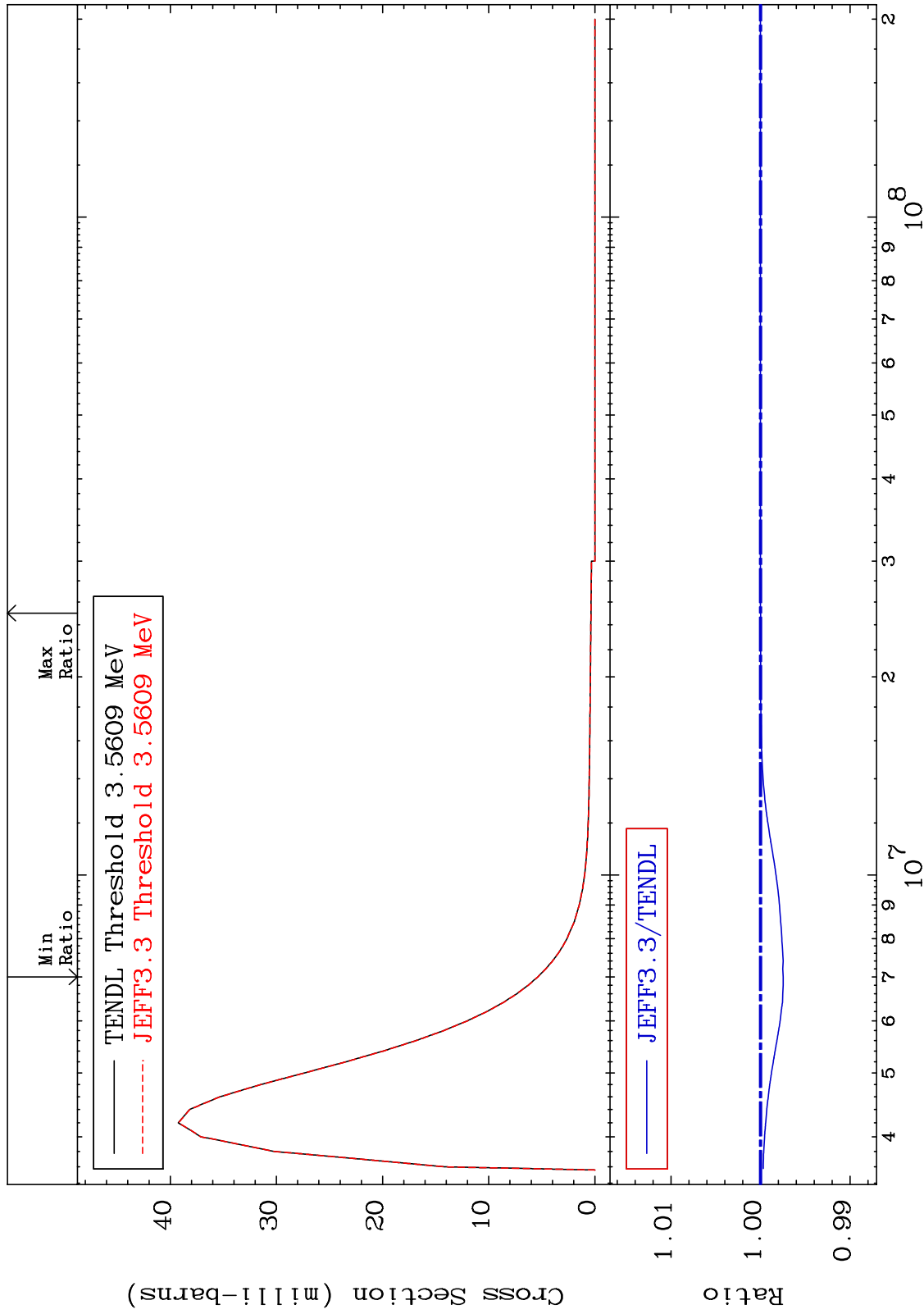
30-Zn-66
-0.279 To 0.000 %



MAT 3031

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

30-Zn-66
-0.253 To 0.000 %

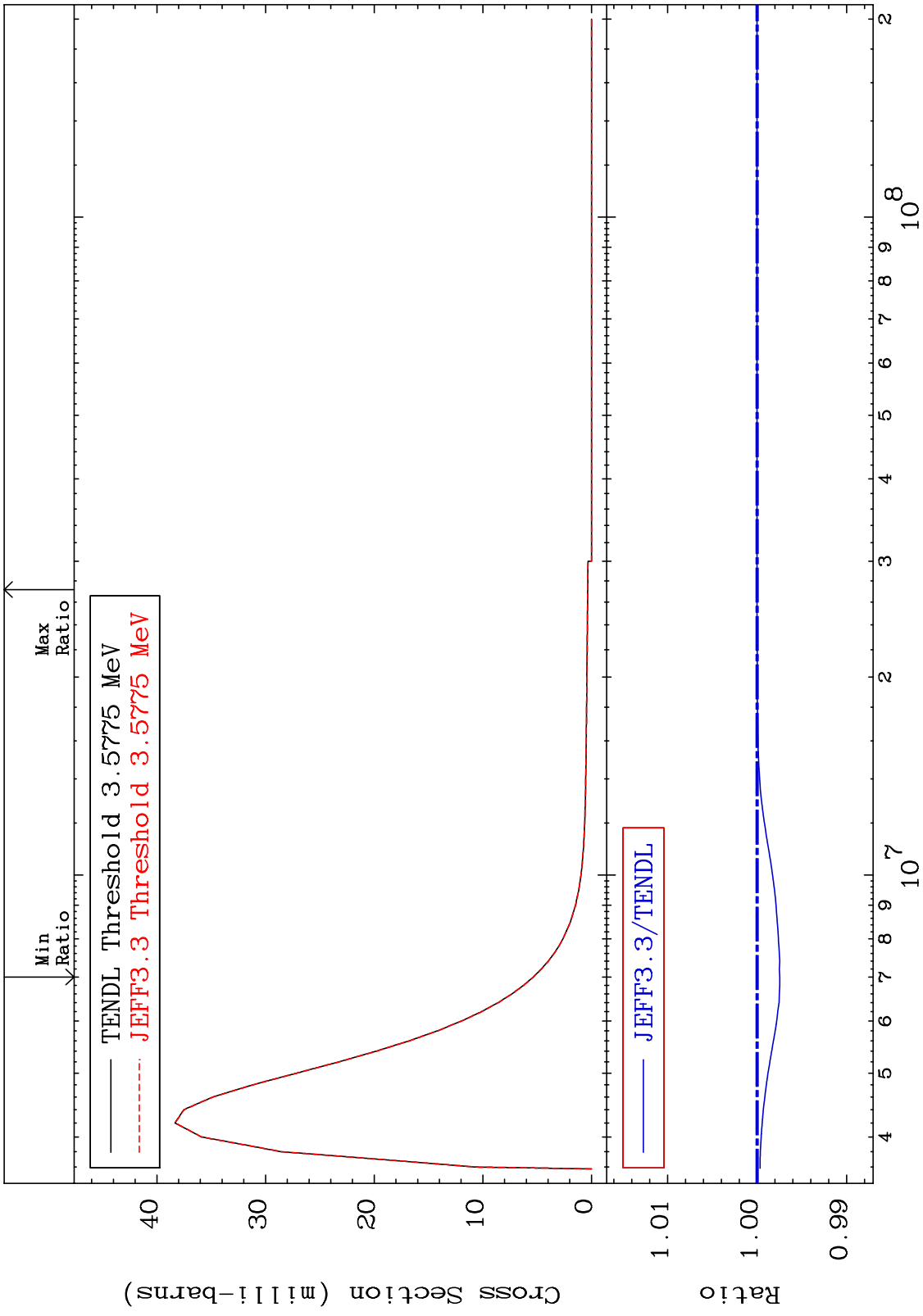


40

Incident Energy (eV)

30-Zn-66

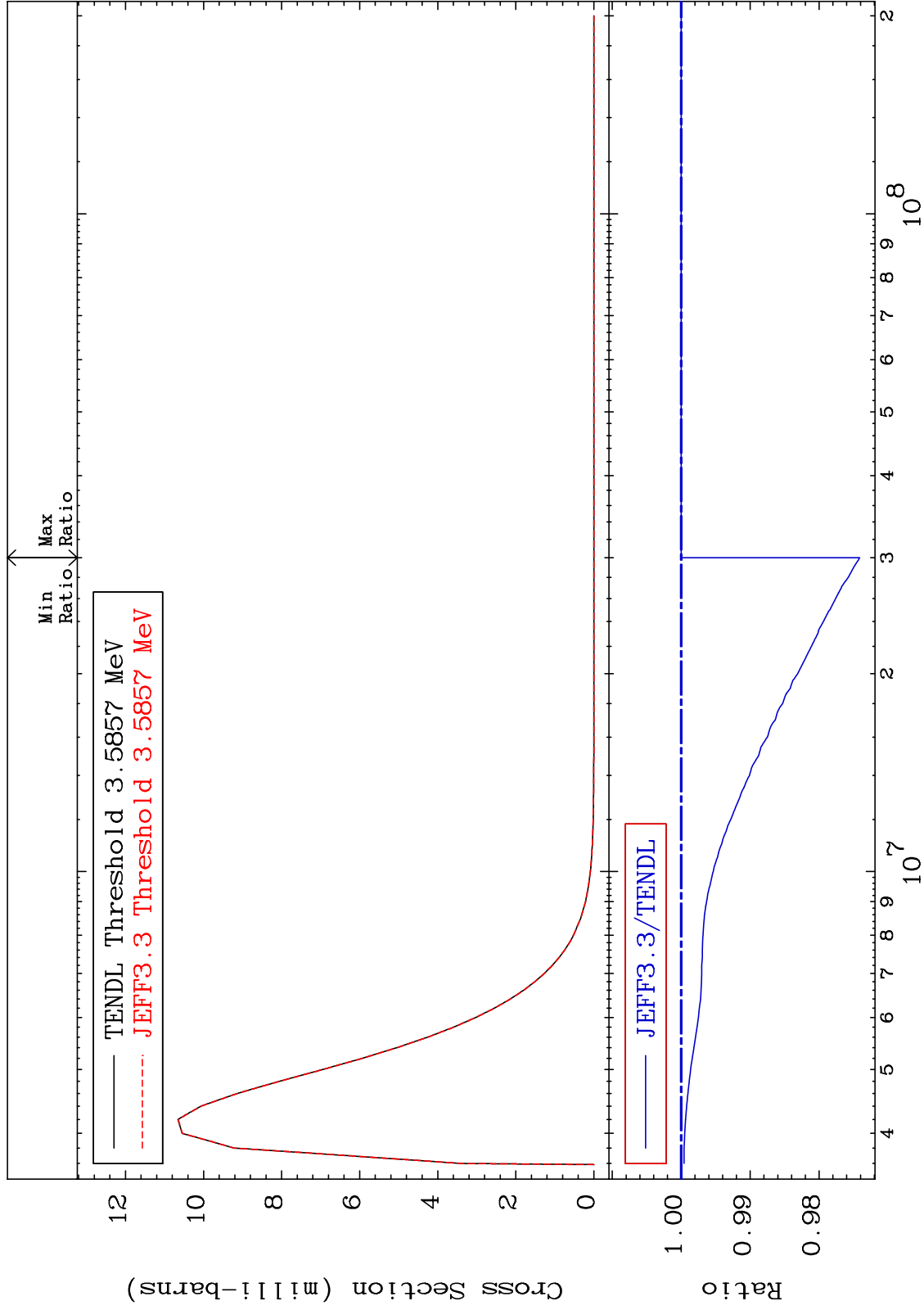
MAT 3031 MT= 73 (n,n') Level Cross Section 30-Zn-66
 -0.253 To 0.000 %



MAT 3031

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

30-Zn-66
-2.589 To 0.000 %



42

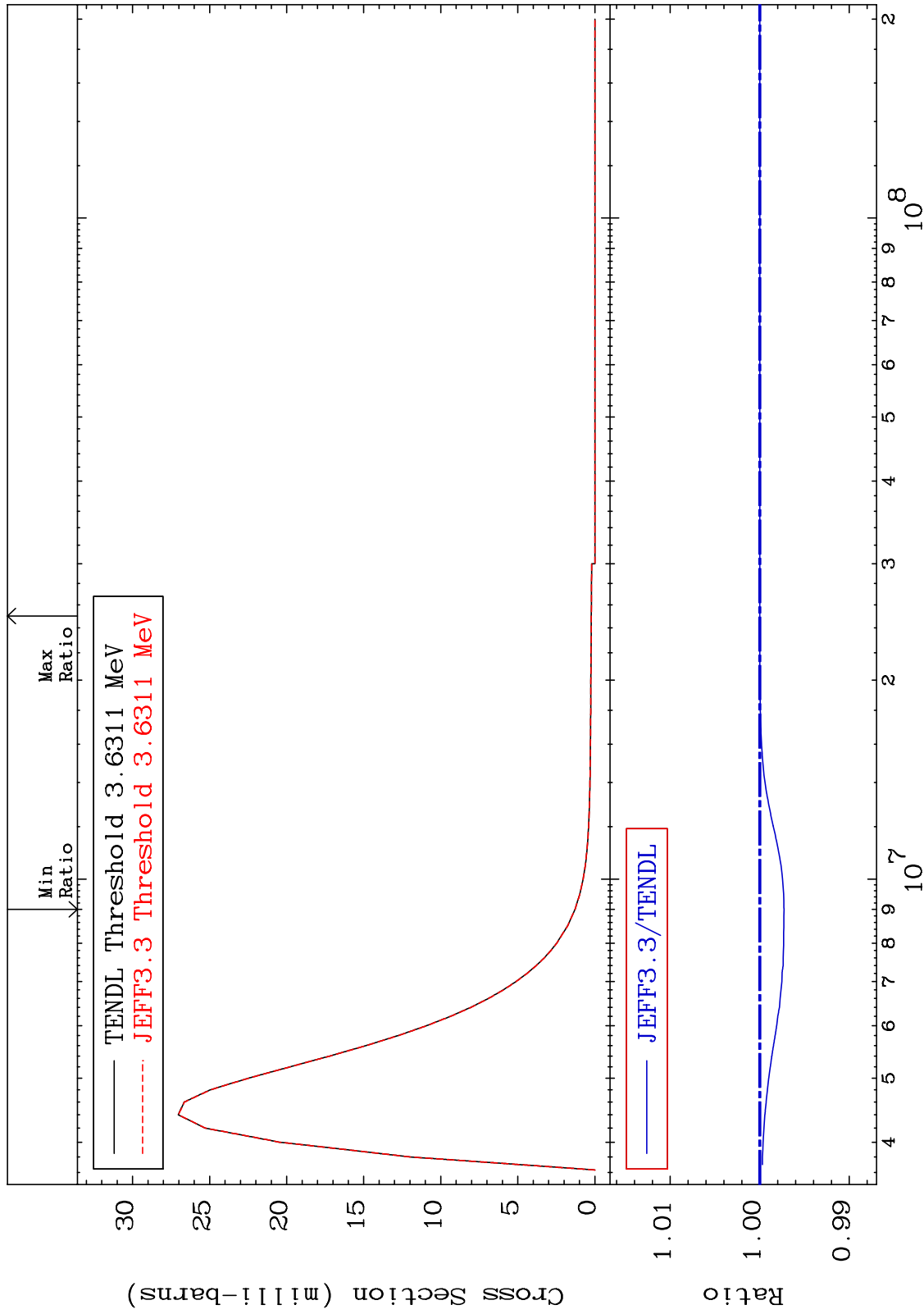
Incident Energy (eV)

30-Zn-66

MAT 3031

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

30-Zn-66
-0.270 To 0.000 %



43

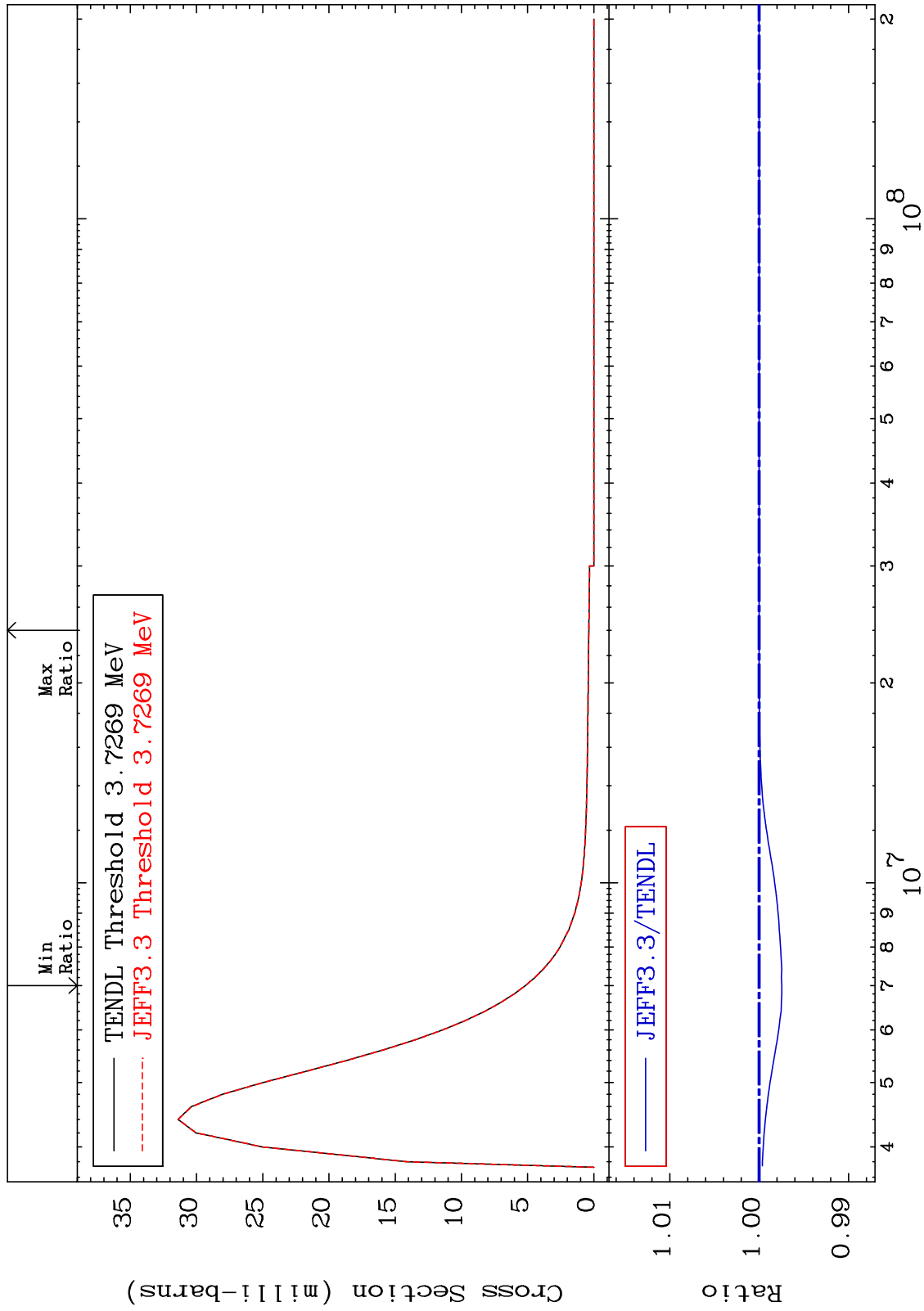
Incident Energy (eV)

30-Zn-66

MAT 3031

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

30-Zn-66
-0.254 To 0.000 %



44

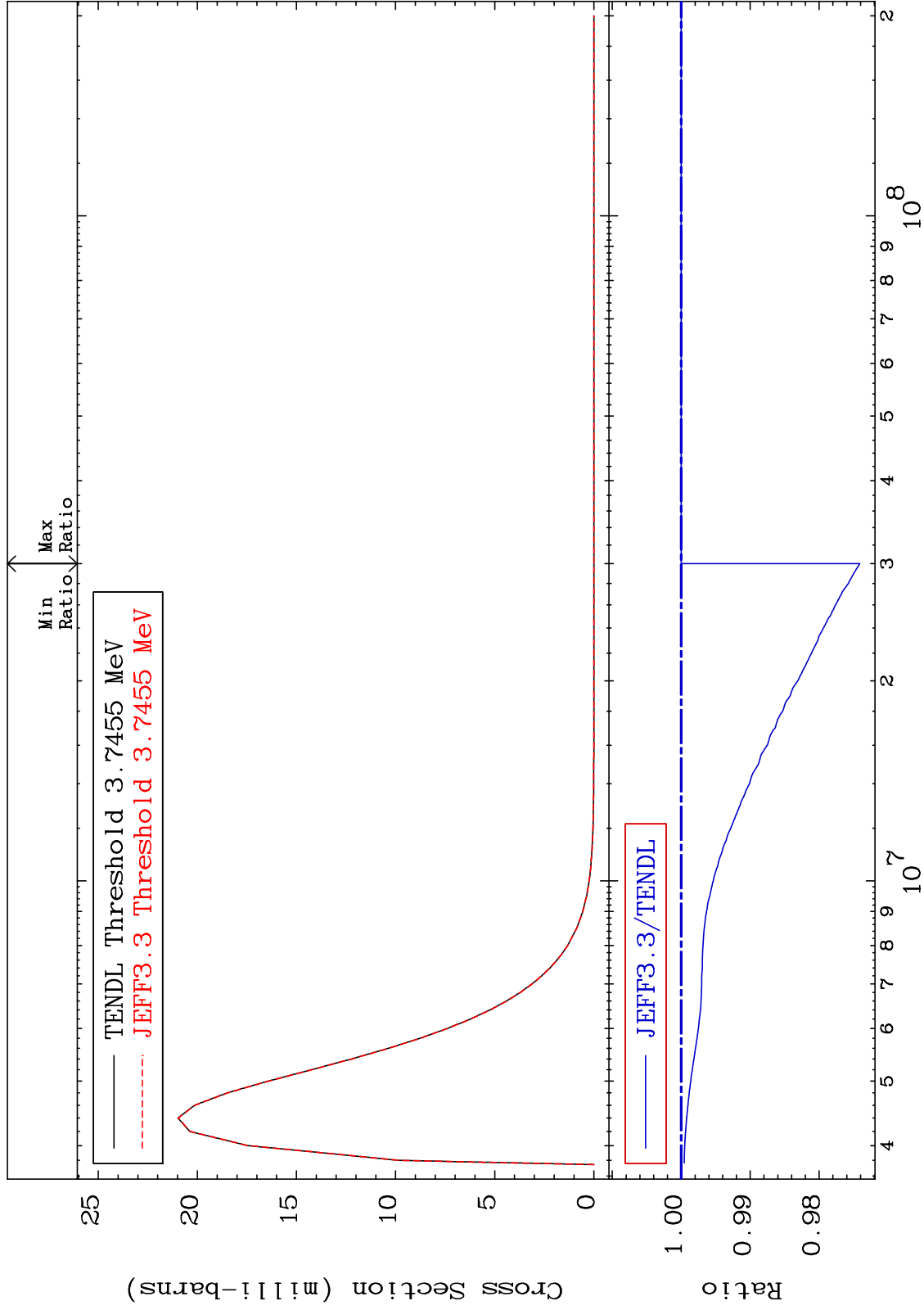
Incident Energy (eV)

30-Zn-66

MAT 3031

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

30-Zn-66
-2.589 To 0.000 %



45

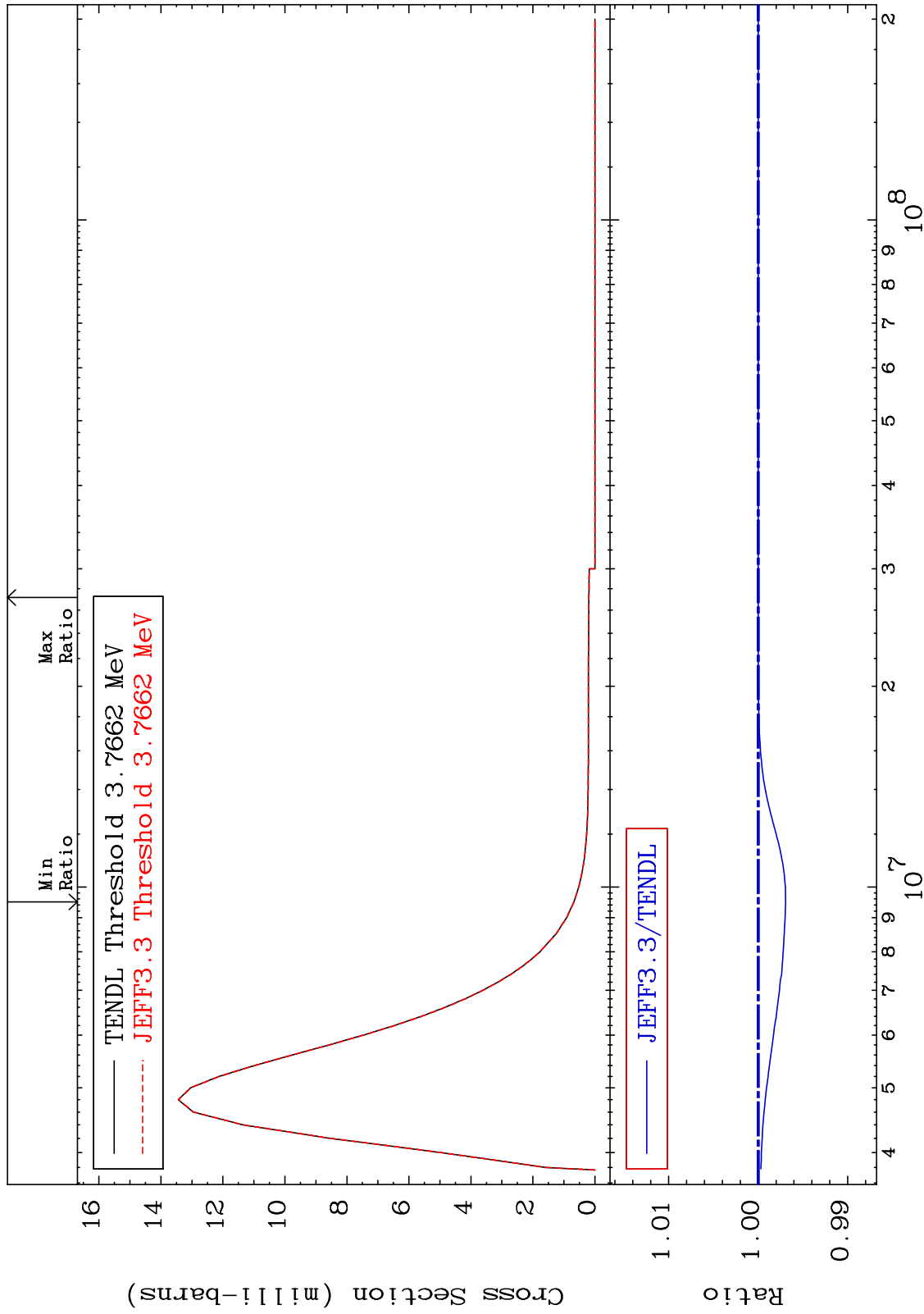
Incident Energy (eV)

30-Zn-66

MAT 3031

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

30-Zn-66
-0.306 To 0.000 %



46

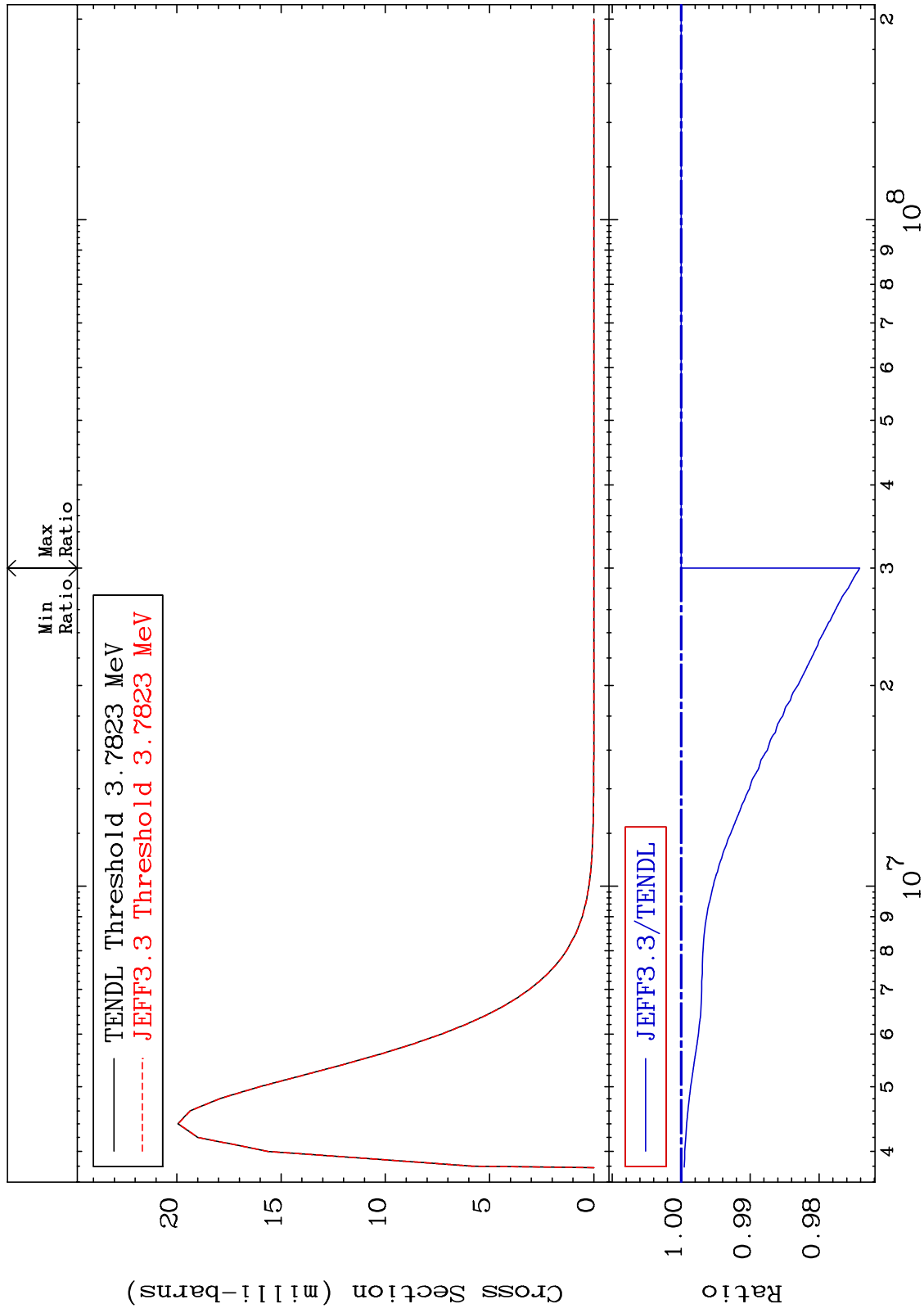
Incident Energy (eV)

30-Zn-66

MAT 3031

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

30-Zn-66
-2.588 To 0.000 %



47

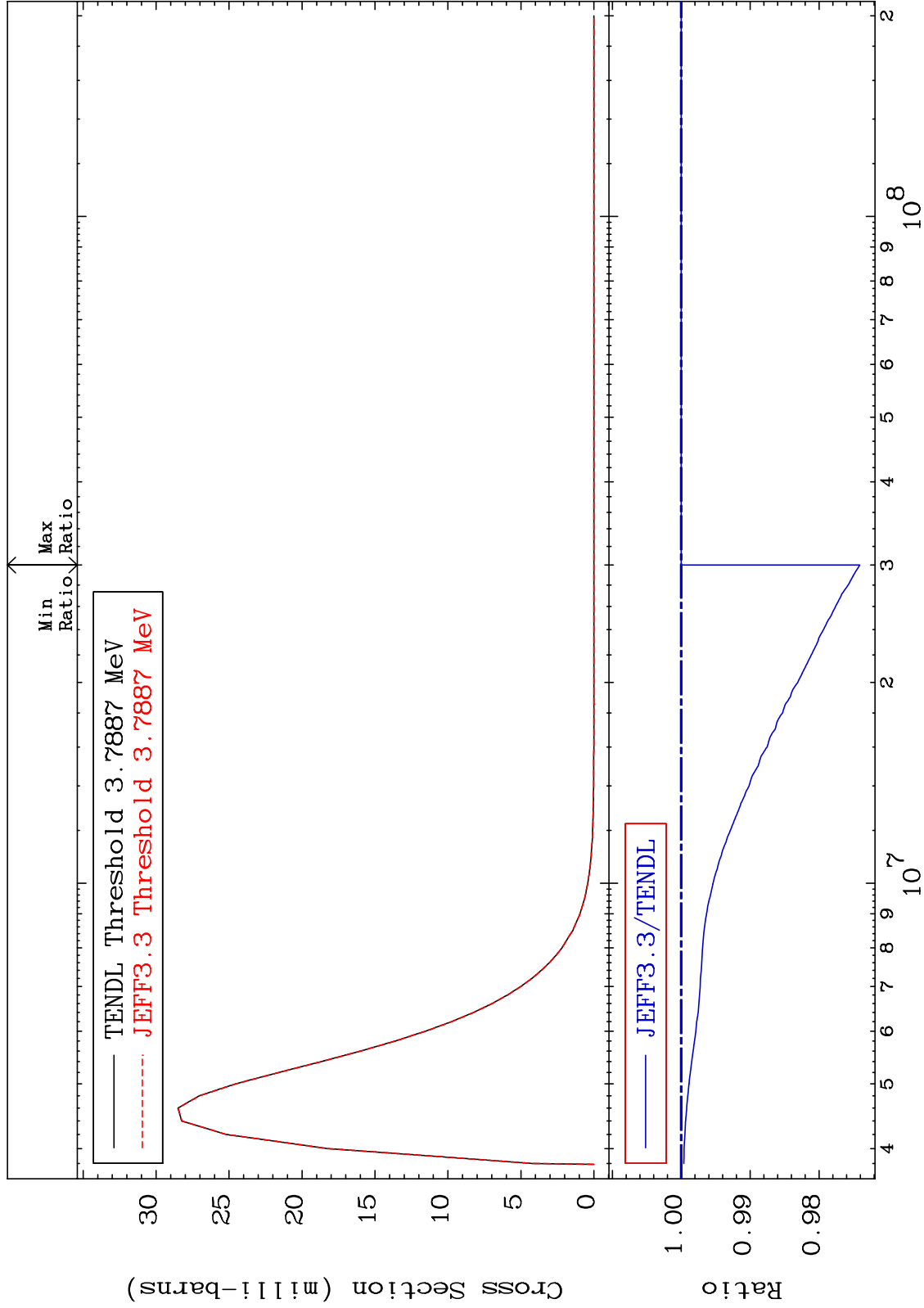
Incident Energy (eV)

30-Zn-66

MAT 3031

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

30-Zn-66
-2.591 To 0.000 %



48

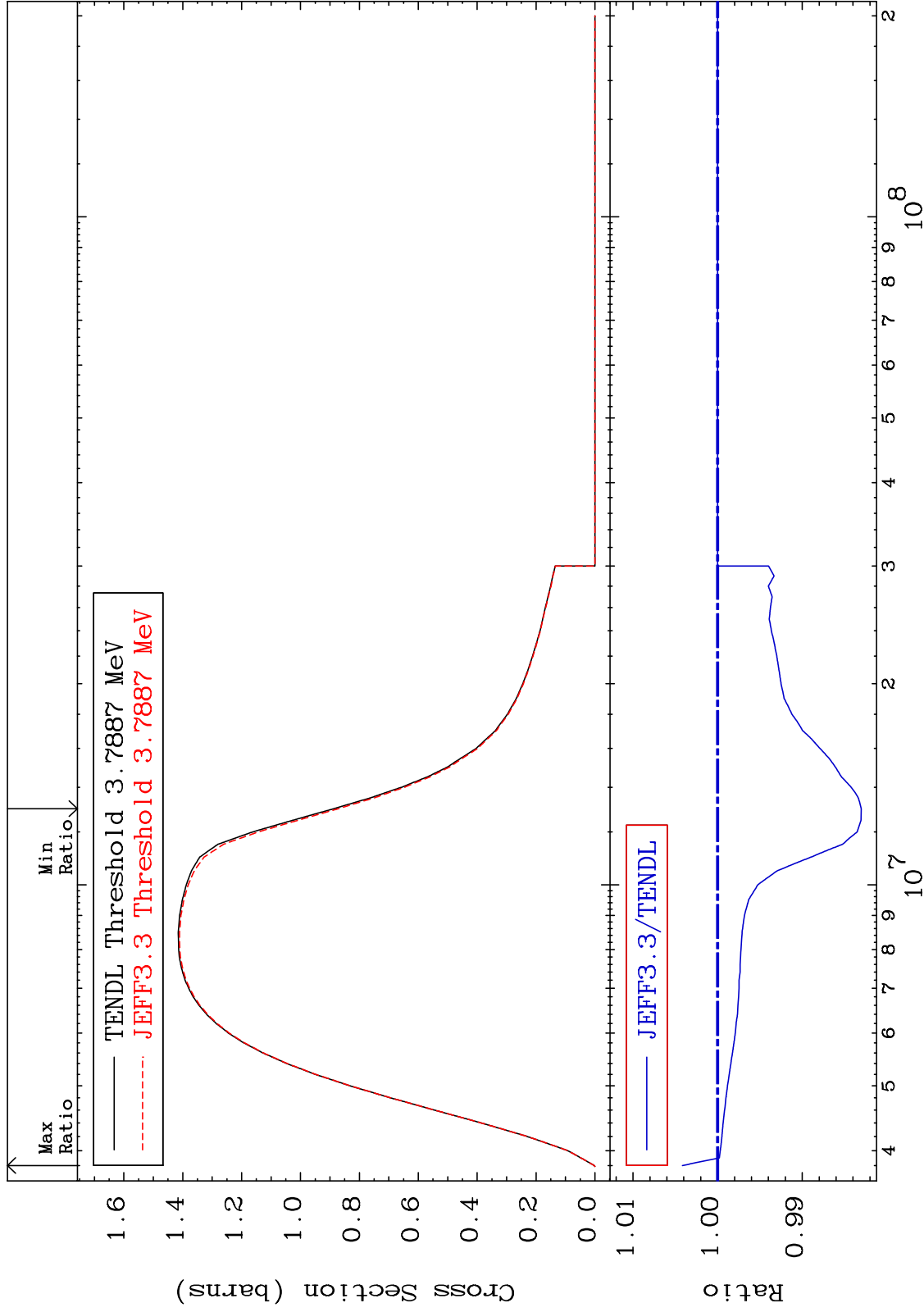
Incident Energy (eV)

30-Zn-66

MAT 3031

(n, n') Continuum
Cross Section

30-Zn-66
-1.698 To 0.416 %



49

Incident Energy (eV)

30-Zn-66

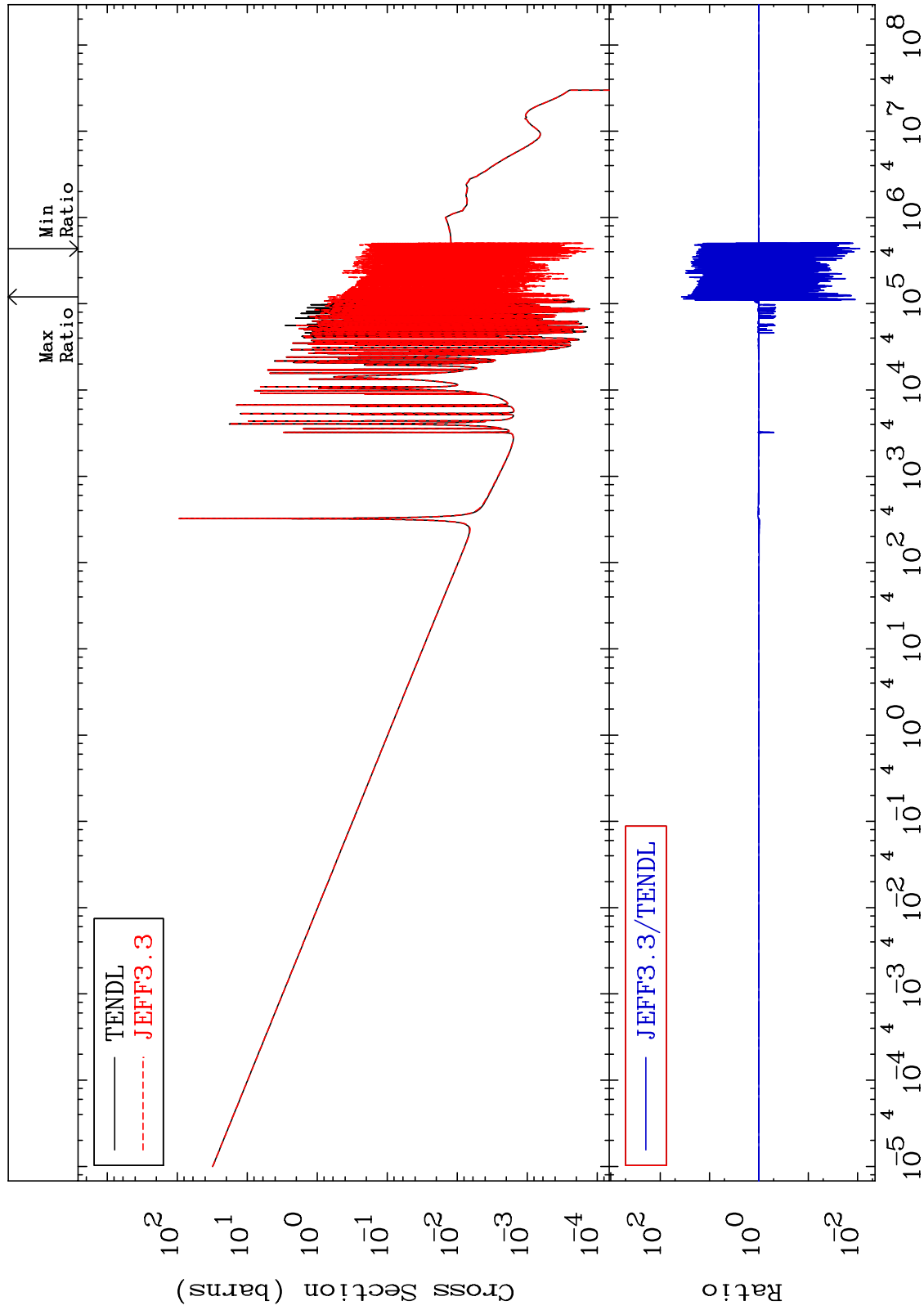
MAT 3031

(n, γ)

30-Zn-66

Cross Section

-99.10 To 3601. %

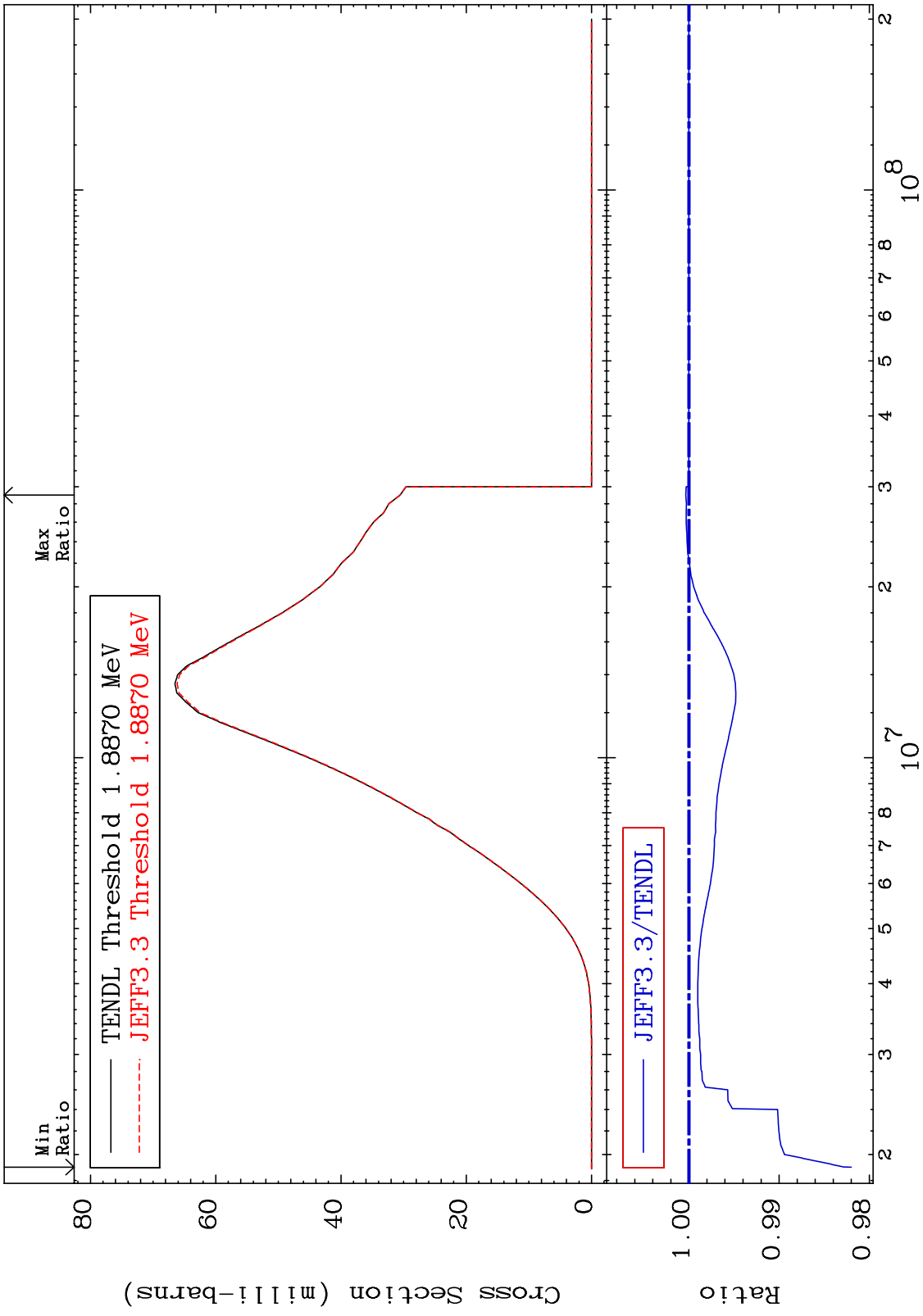


50

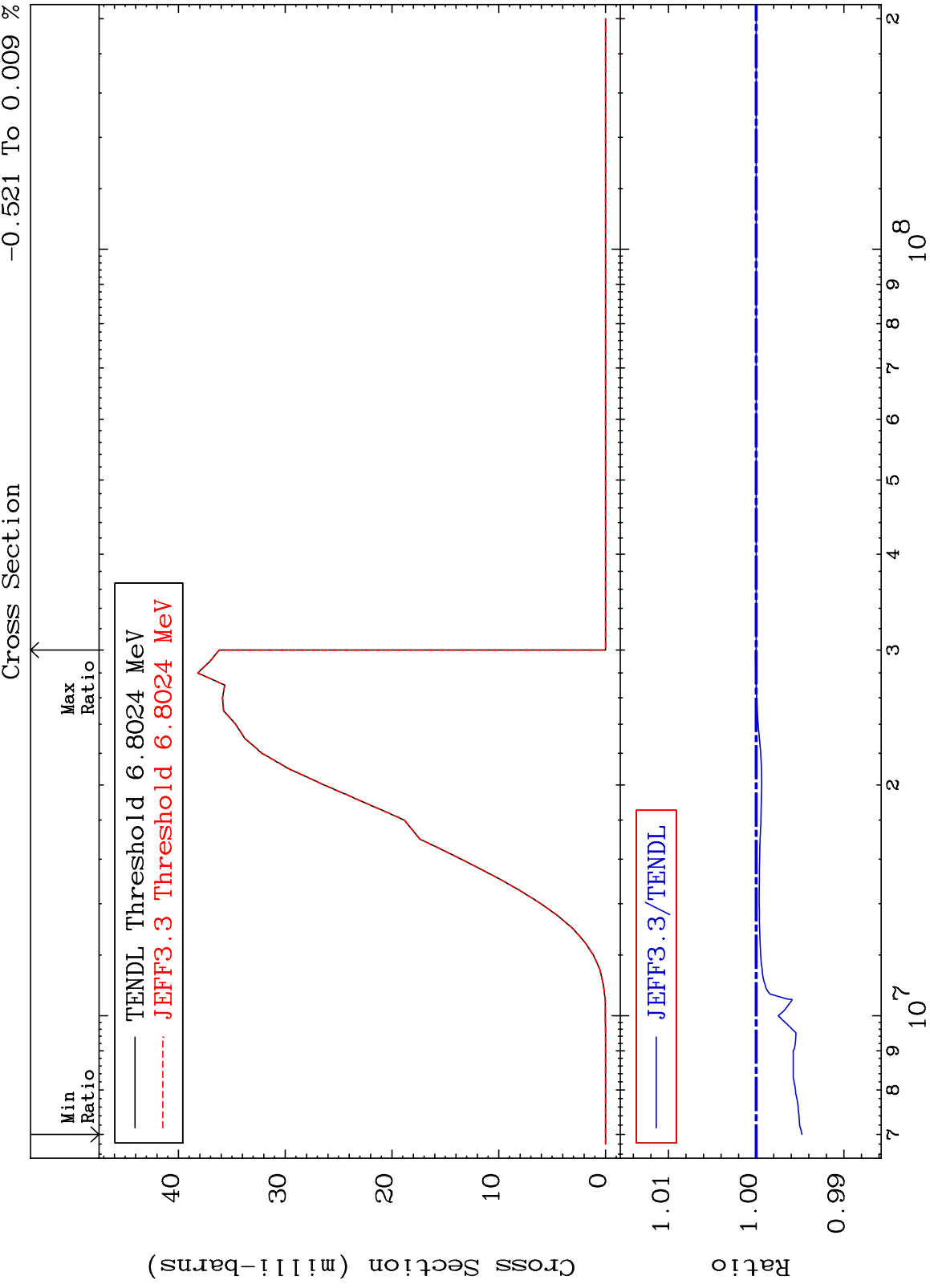
Incident Energy (eV)

30-Zn-66

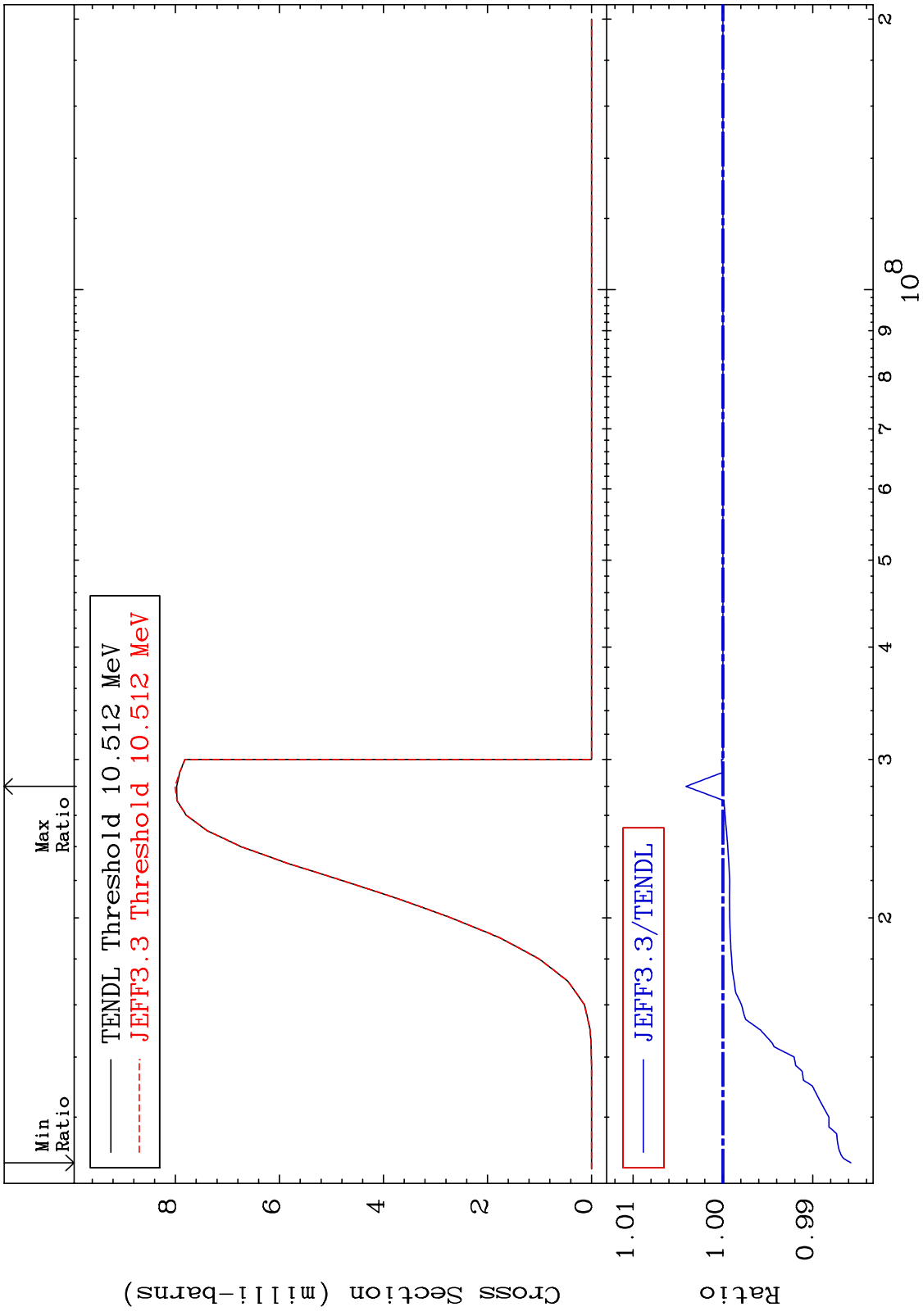
MAT 3031 $^{30}\text{Zn-66}$ (n,p) Cross Section -1.799 To 0.035 %



MAT 3031 (n,d) 30-Zn-66 -0.521 To 0.009 %



MAT 3031 (n,t) 30-Zn-66
 Cross Section -1.425 To 0.410 %



30-Zn-66

Incident Energy (eV)

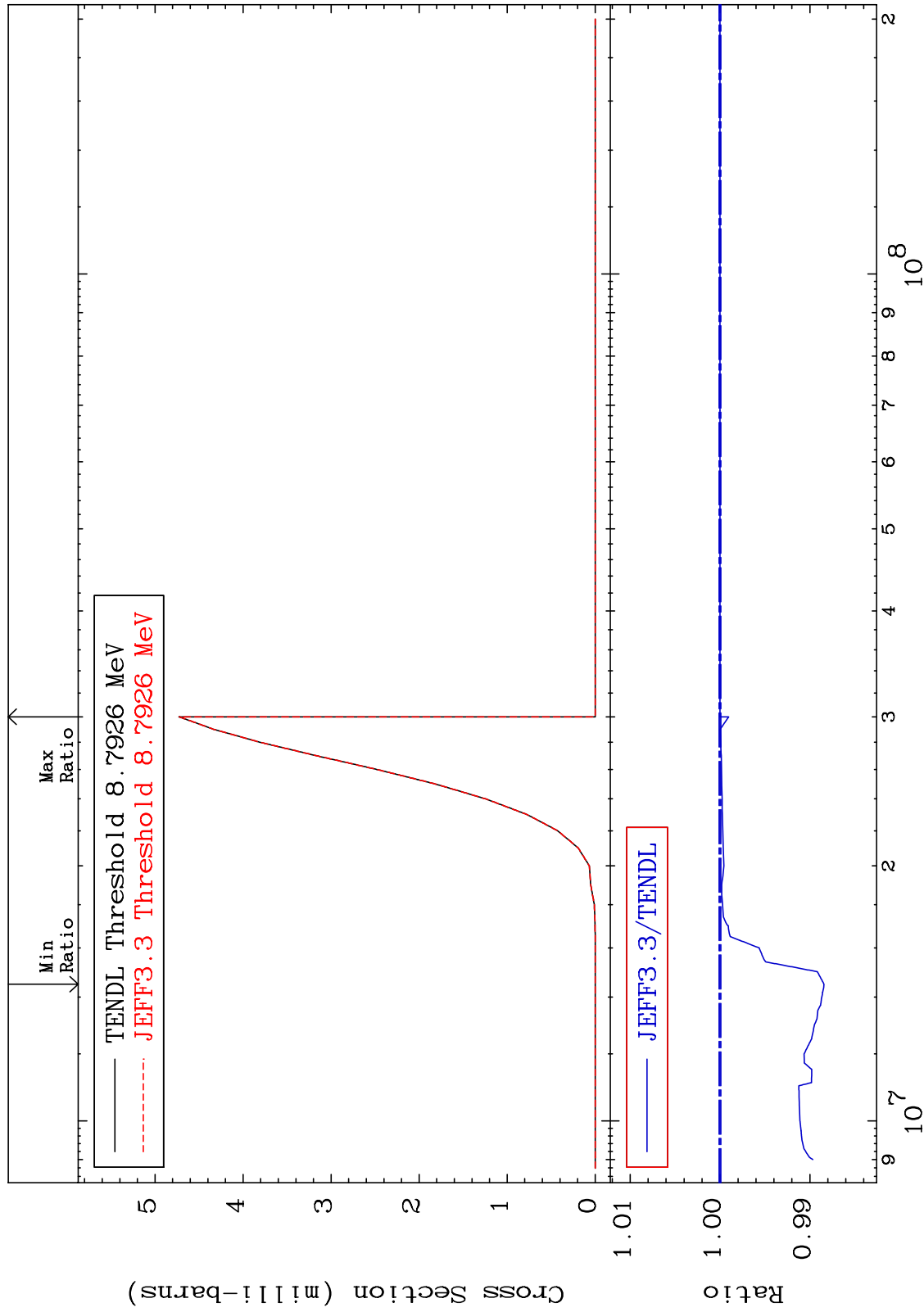
MAT 3031

(n, He-3)

30-Zn-66

Cross Section

-1.157 To 0.000 %



54

Incident Energy (eV)

30-Zn-66

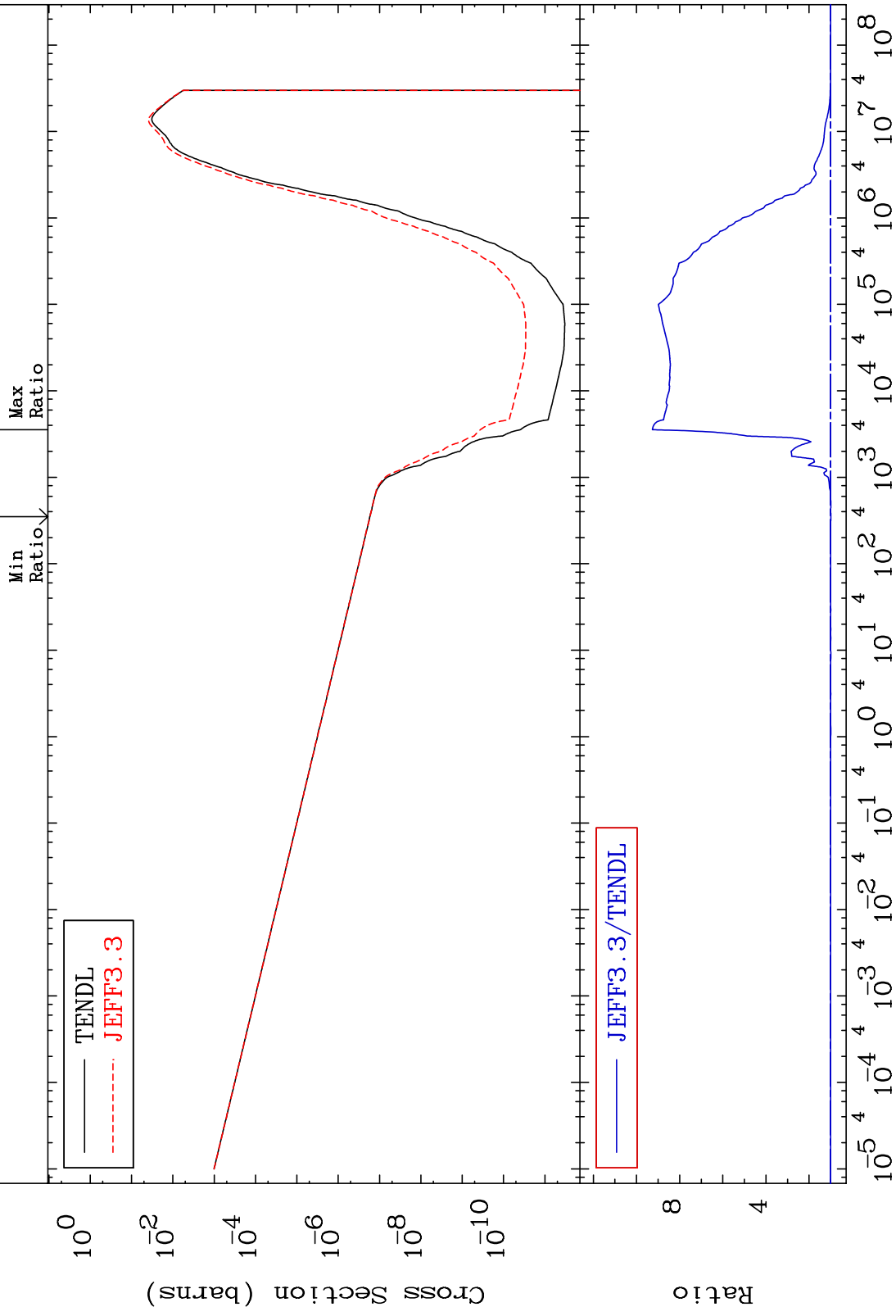
MAT 3031

30-Zn-66

-1.020 To 827.0 %

(n, α)

Cross Section



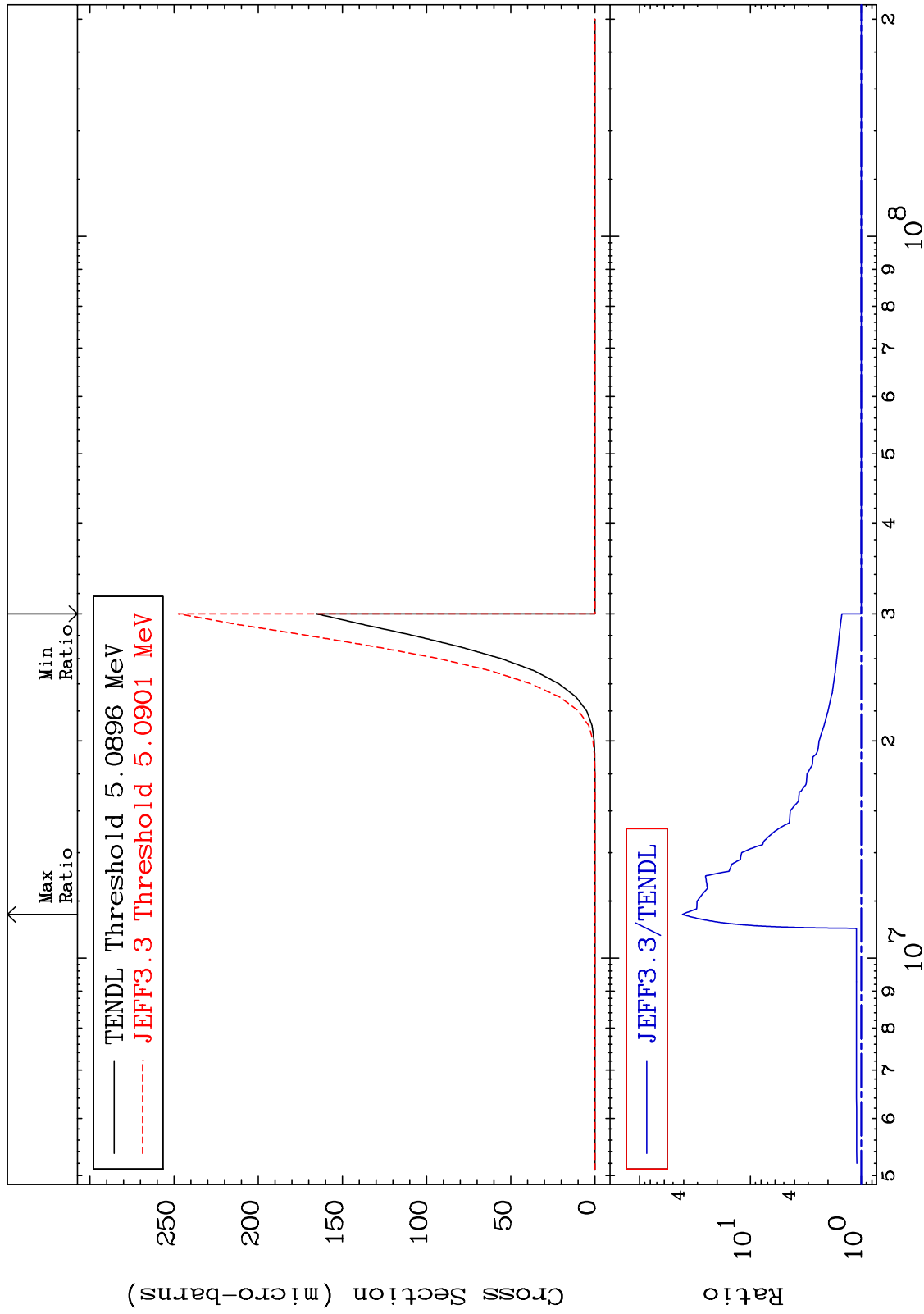
55

Incident Energy (eV)

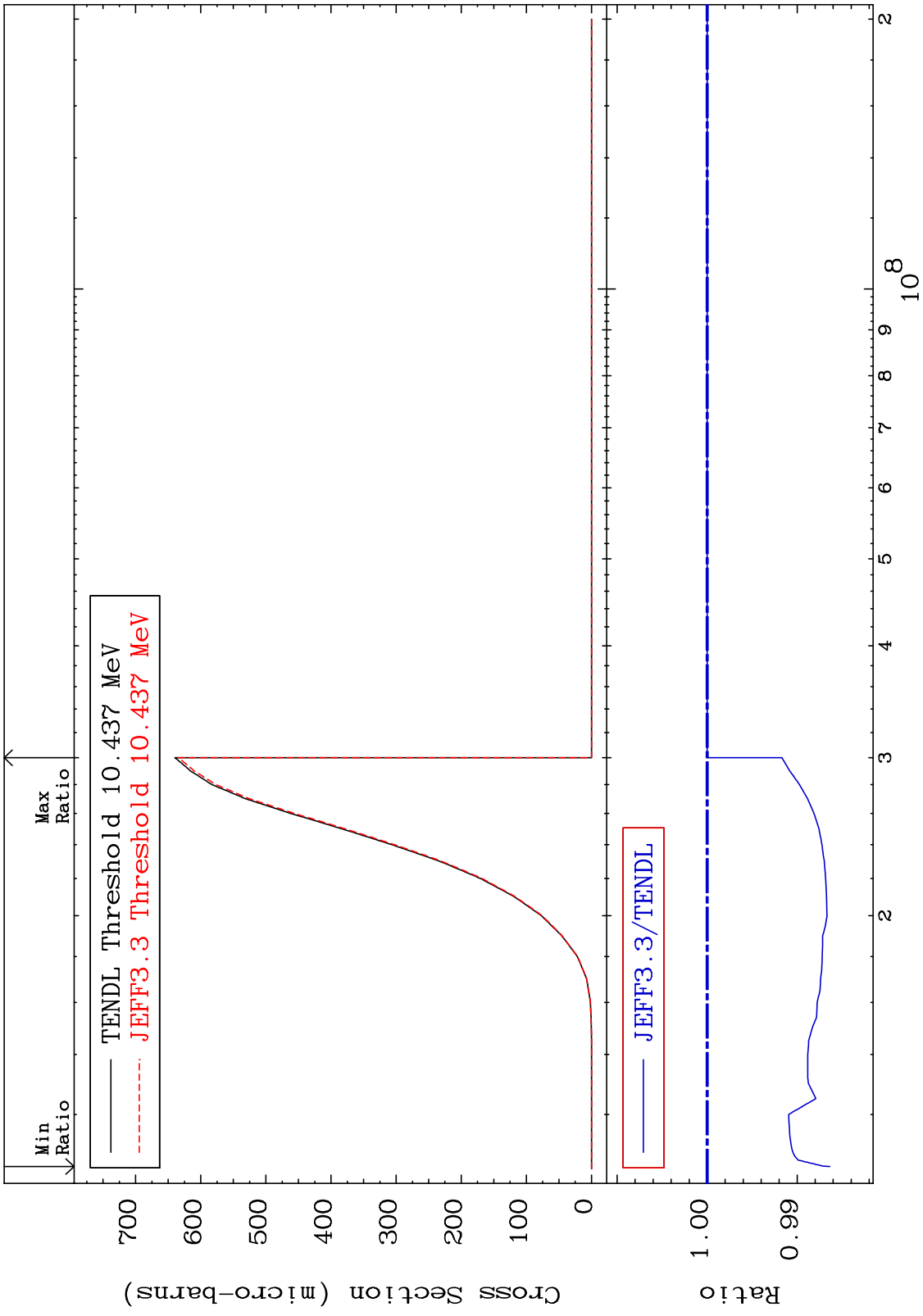
30-Zn-66

MAT 3031

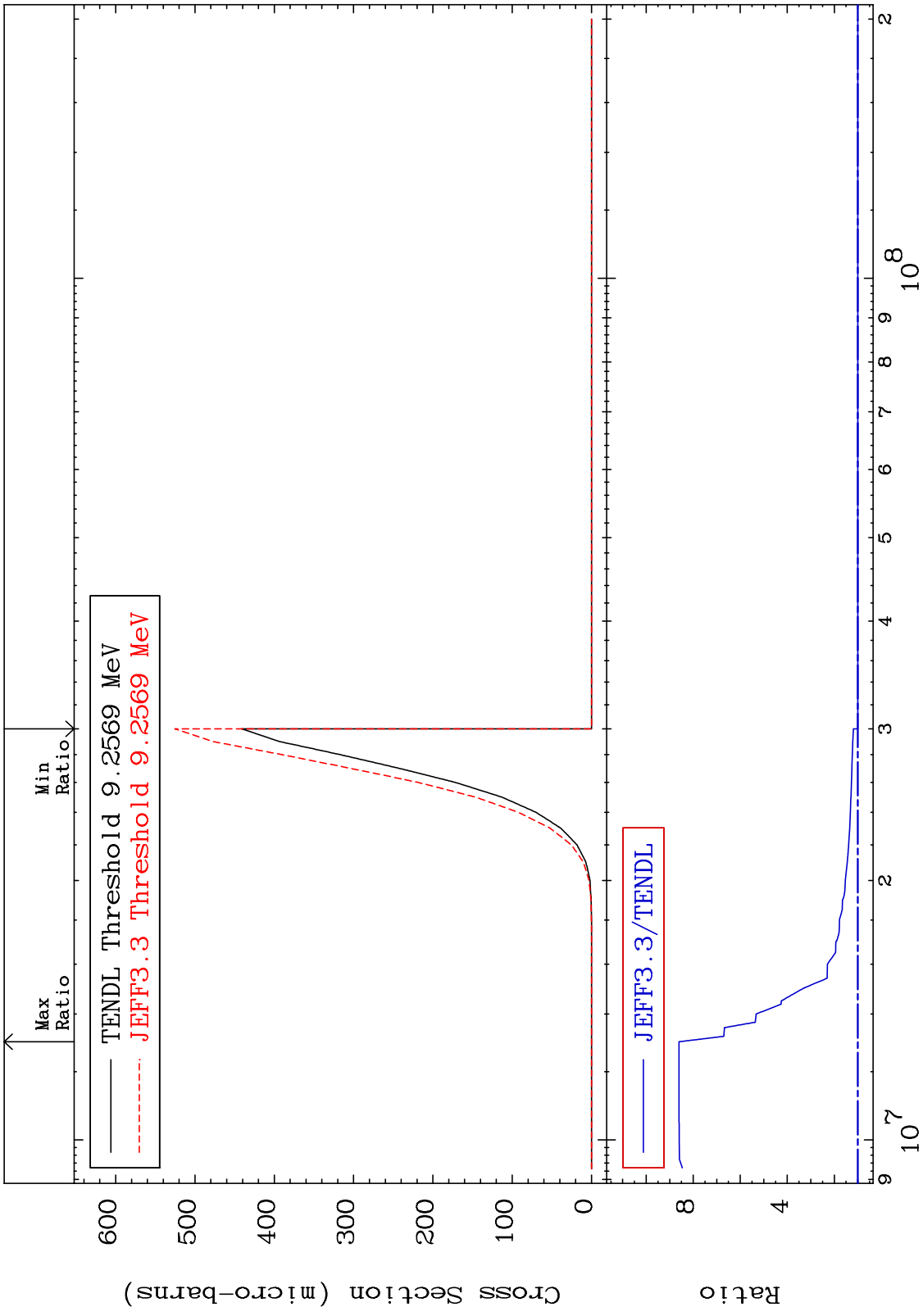
(n,2α) Cross Section 30-Zn-66 To 4006. %



MAT 3031 (n,2p) 30-Zn-66
 Cross Section -1.362 To 0.000 %

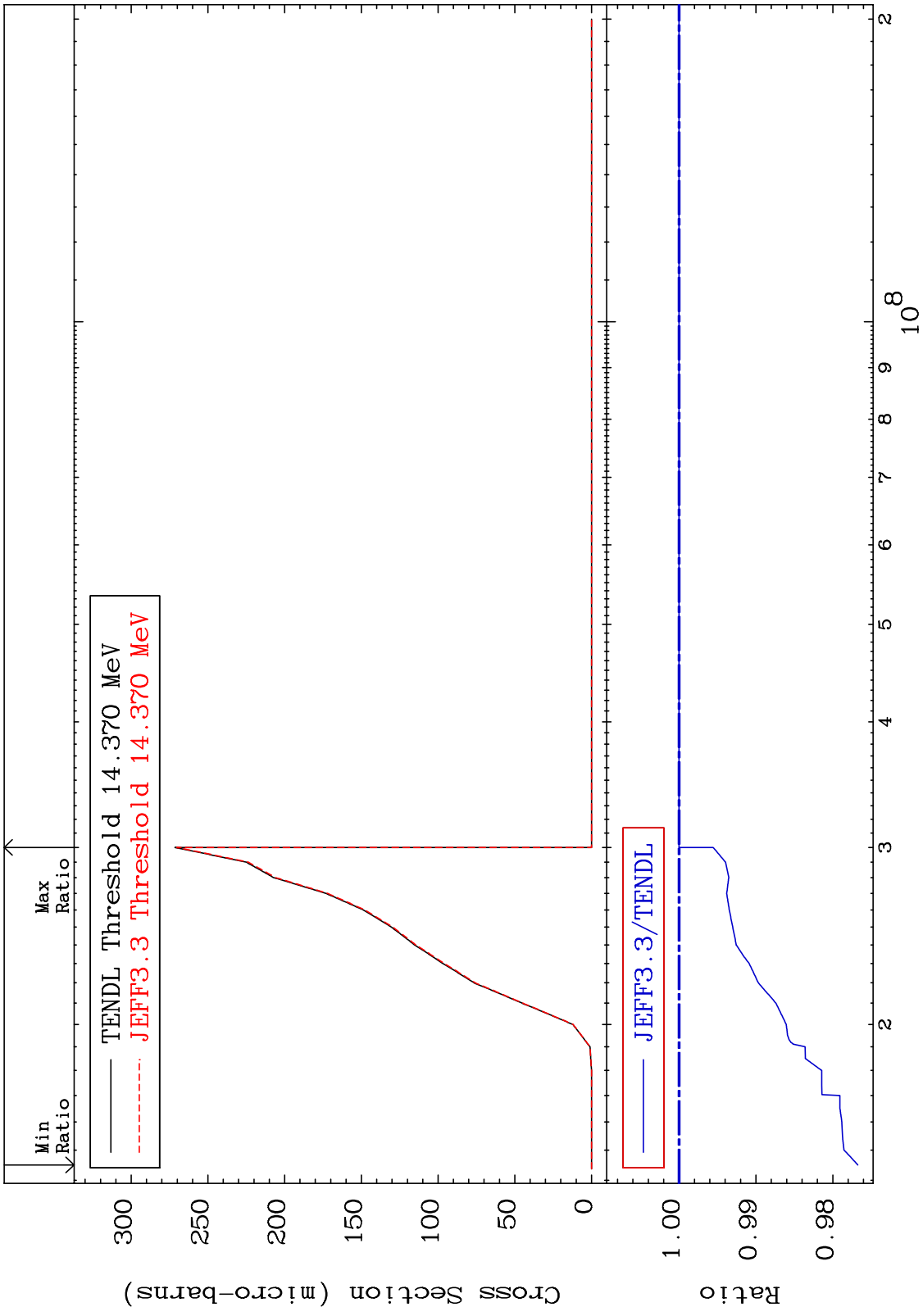


MAT 3031 $(n,p) \alpha$ Cross Section $^{30}\text{Zn-66}$ To 760.2 %

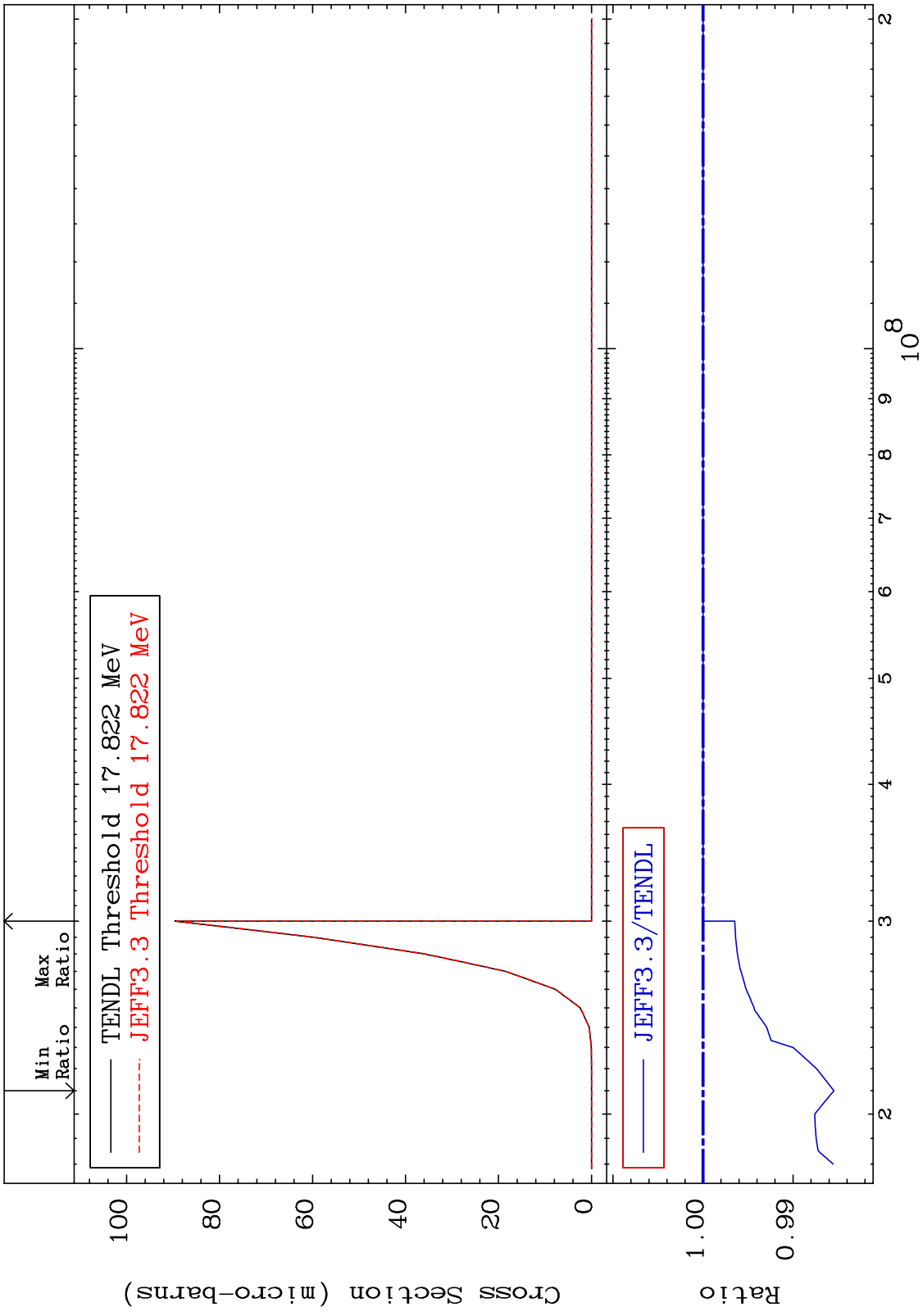


58 $^{30}\text{Zn-66}$

MAT 3031 (n,p) d 30-Zn-66
 Cross Section -2.326 To 0.000 %

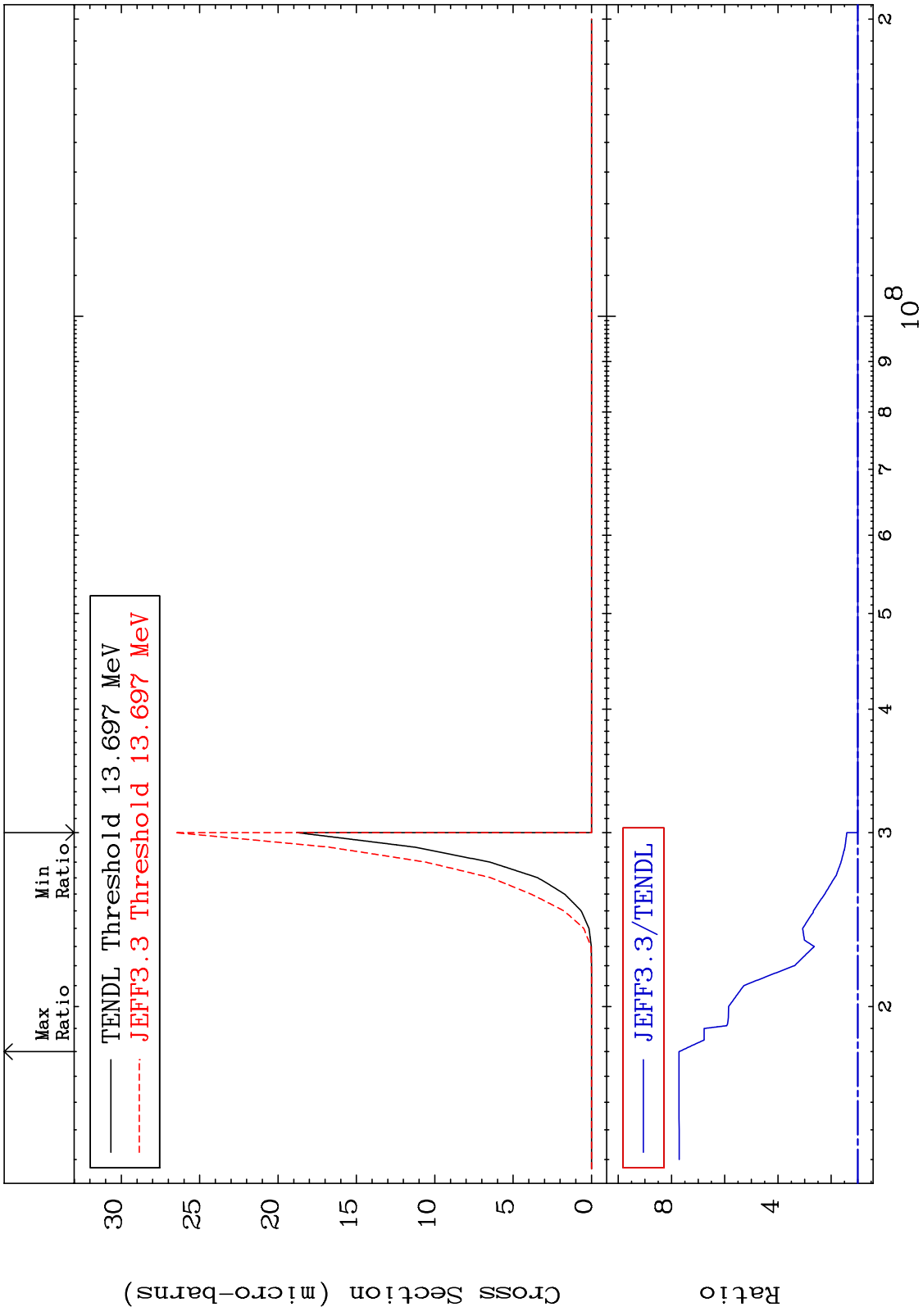


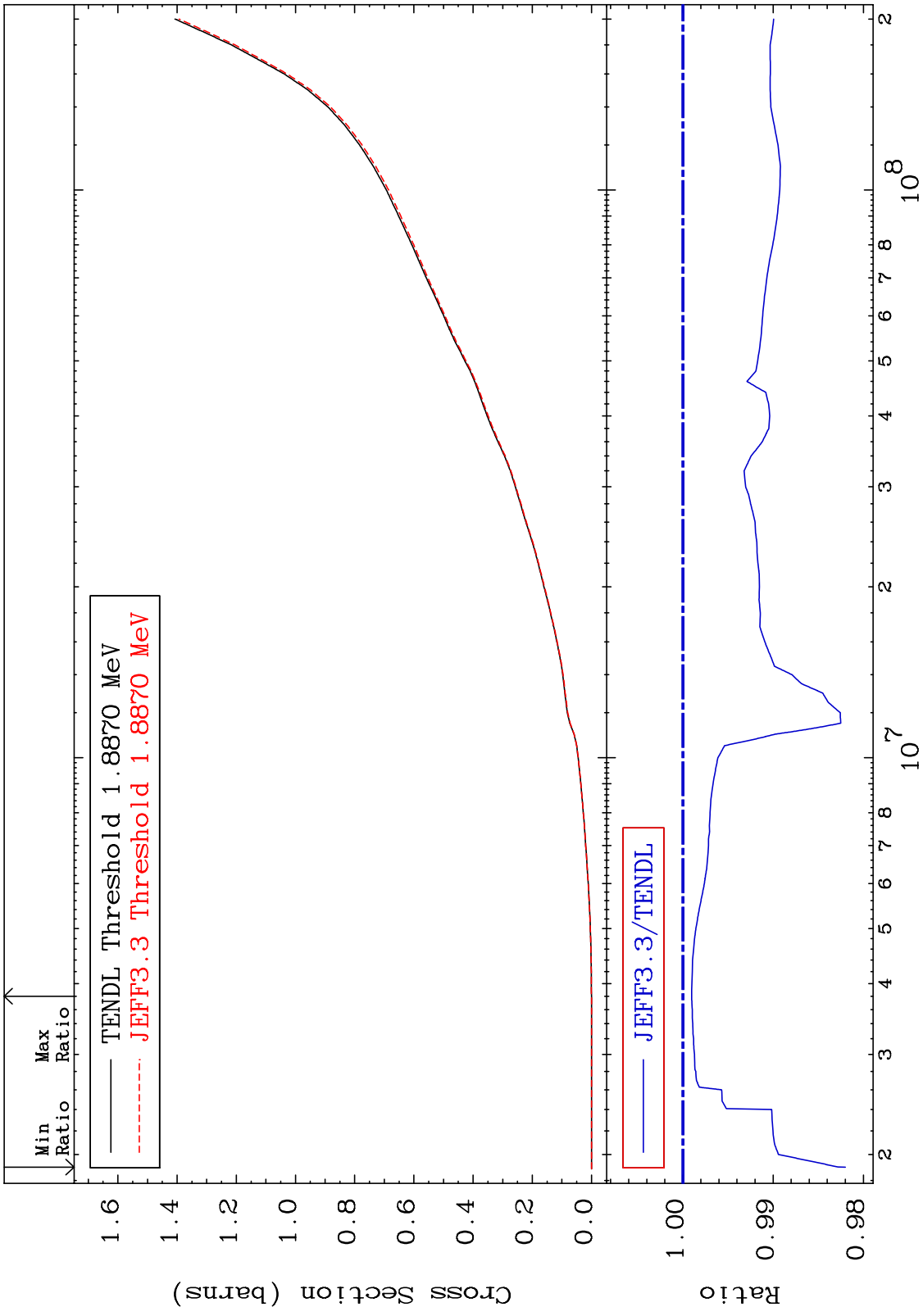
MAT 3031 (n,p) t 30-Zn-66
 Cross Section -1.453 To 0.000 %



60 Incident Energy (eV) 30-Zn-66

MAT 3031 (n,d) α 30-Zn-66
 Cross Section 0.000 To 671.7 %

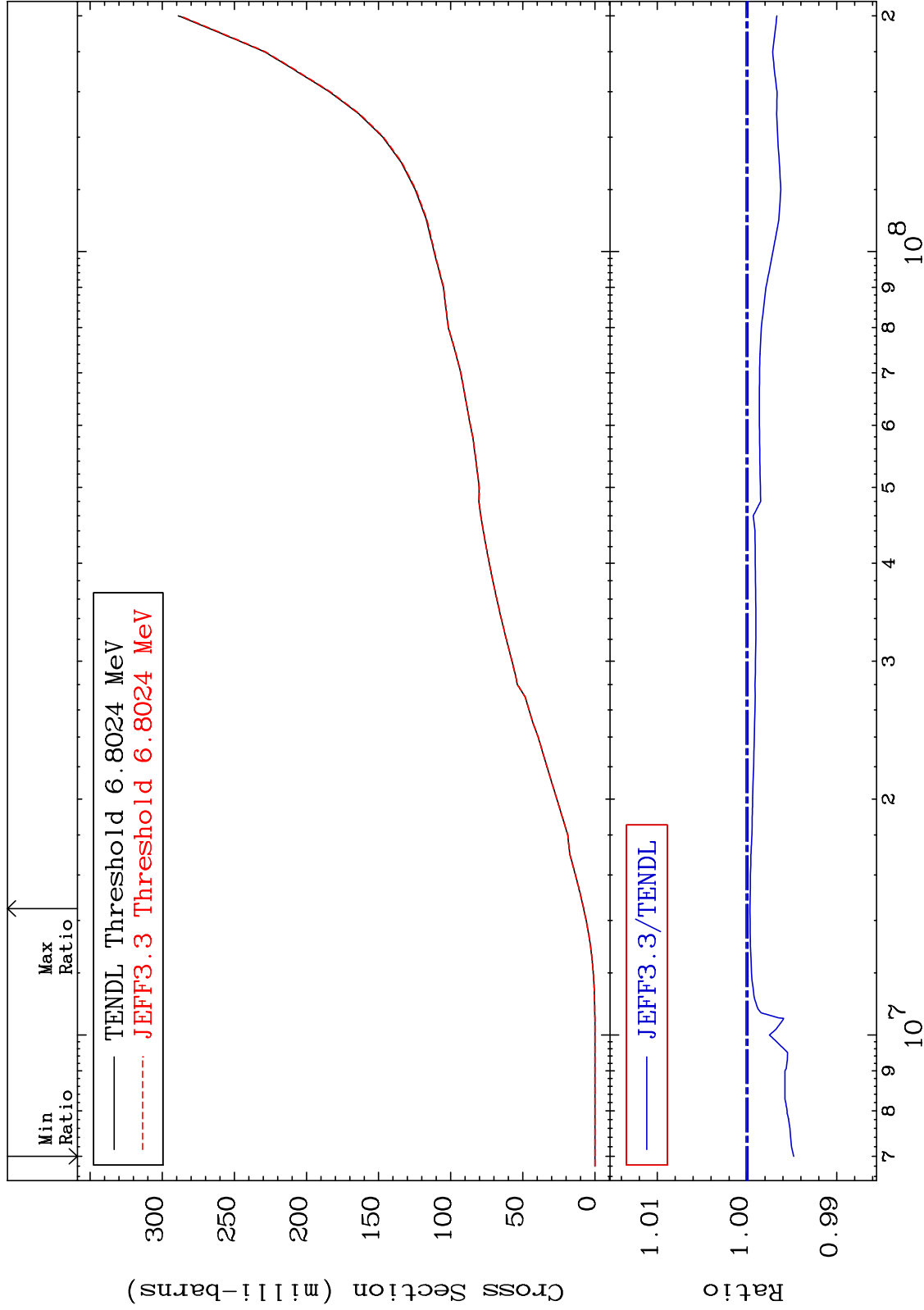




MAT 3031

Deuterium Production
Cross Section

$^{30}\text{-Zn-66}$
-0.521 To -0.034%

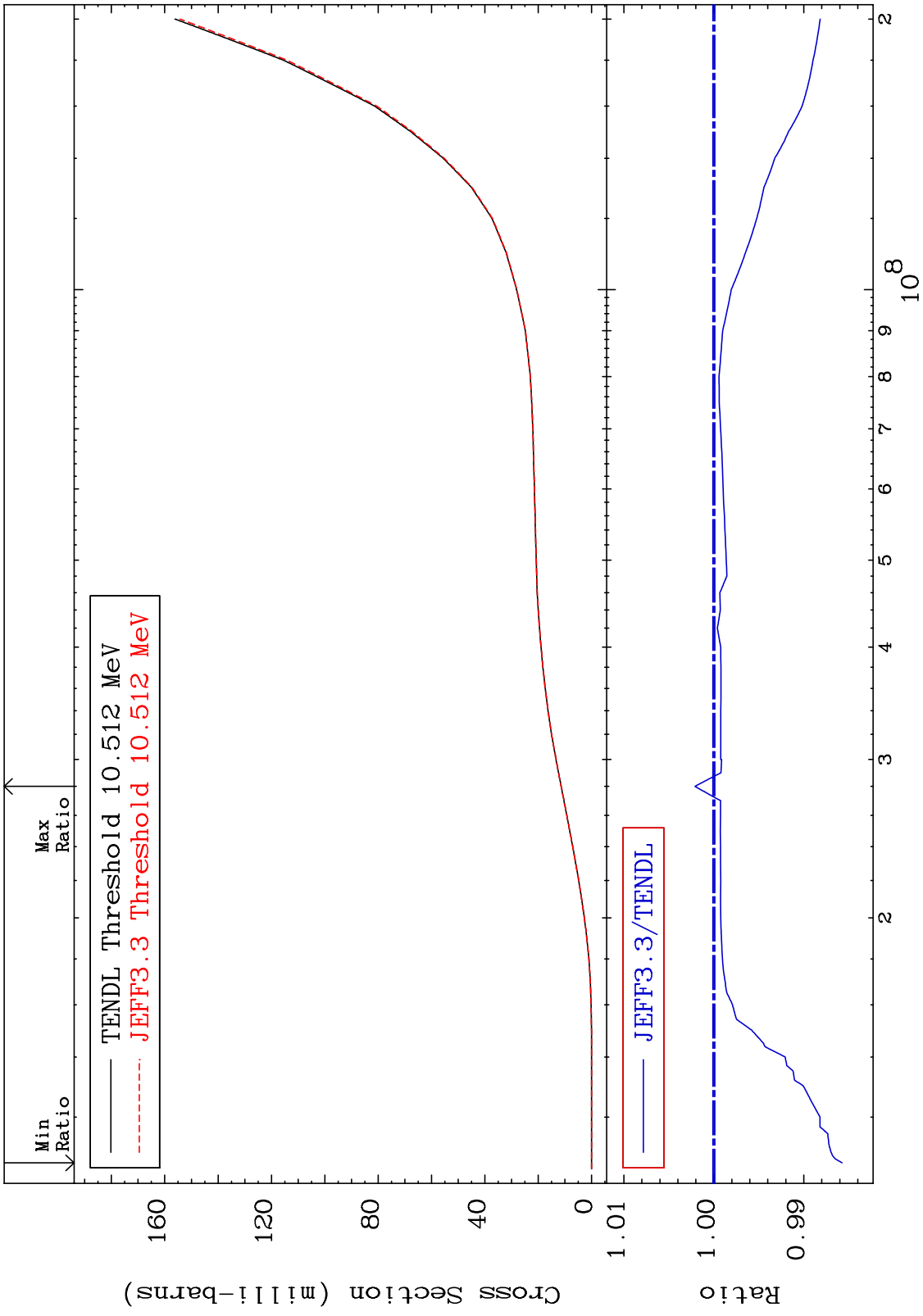


63

Incident Energy (eV)

$^{30}\text{-Zn-66}$

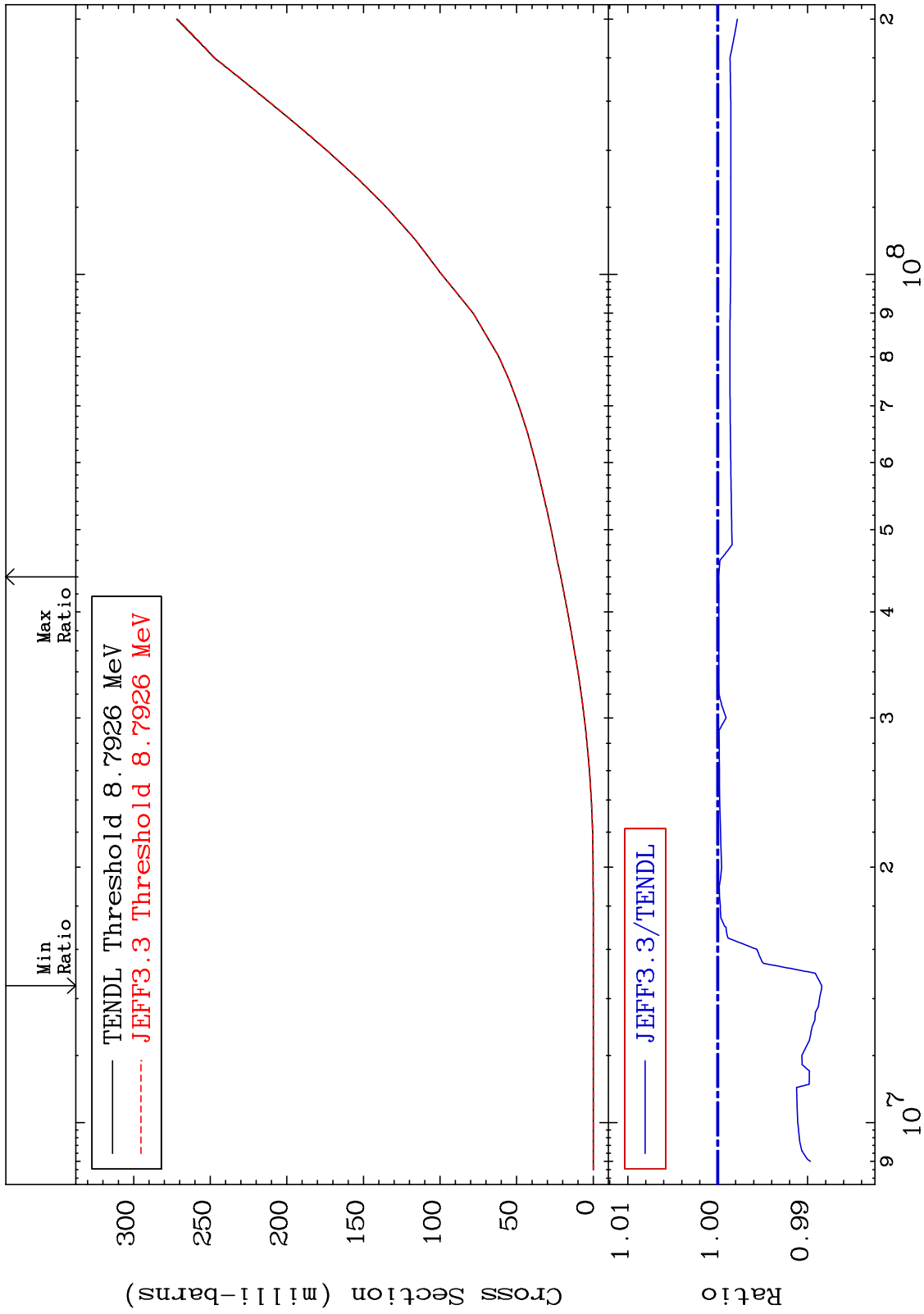
MAT 3031 Tritium Production Cross Section 30-Zn-66 -1.425 To 0.211 %



MAT 3031

He-3 Production
Cross Section

30-Zn-66
-1.157 To -0.011%



65

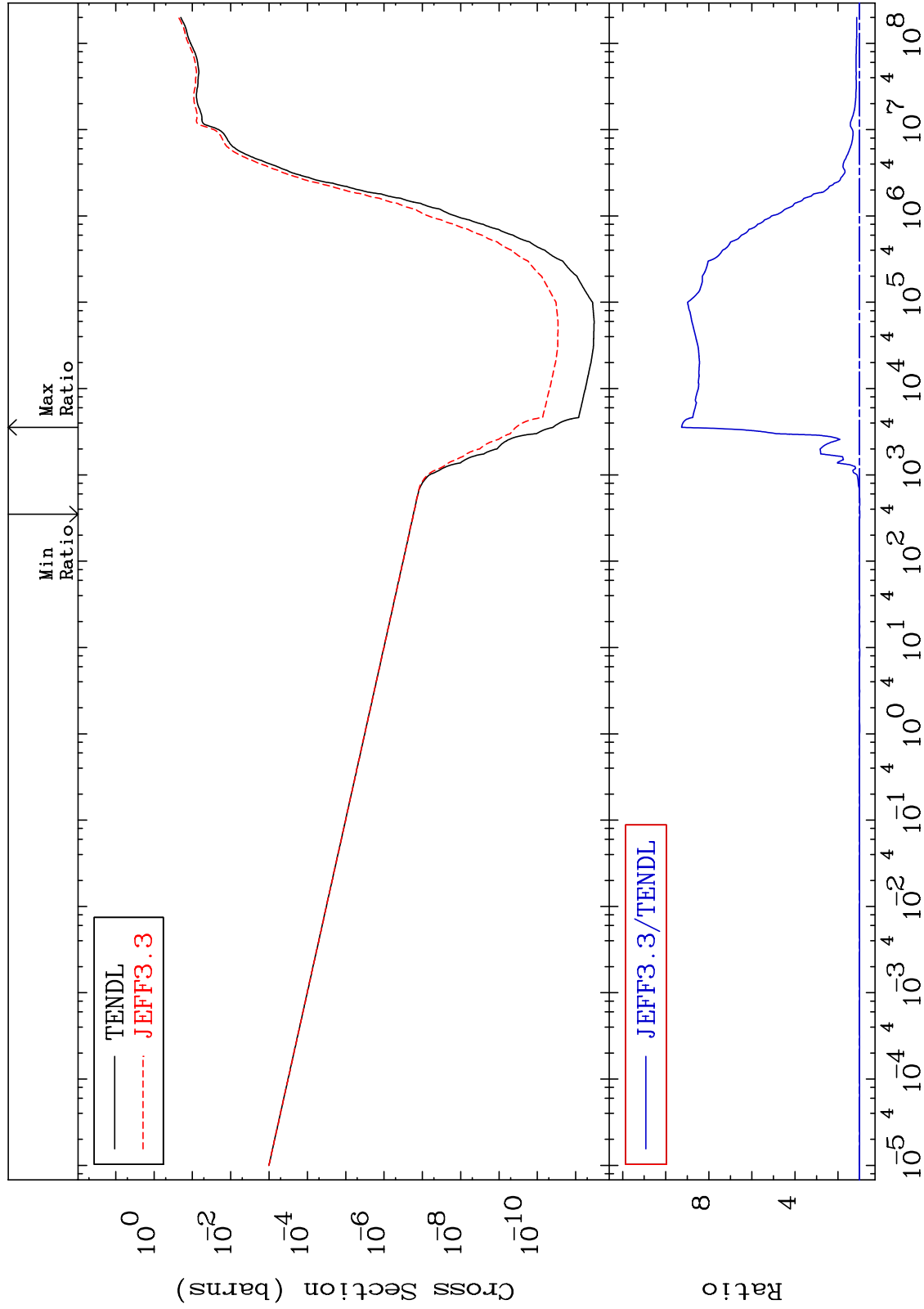
Incident Energy (eV)

30-Zn-66

MAT 3031

He-4 Production
Cross Section

30-Zn-66
-1.020 To 827.0 %

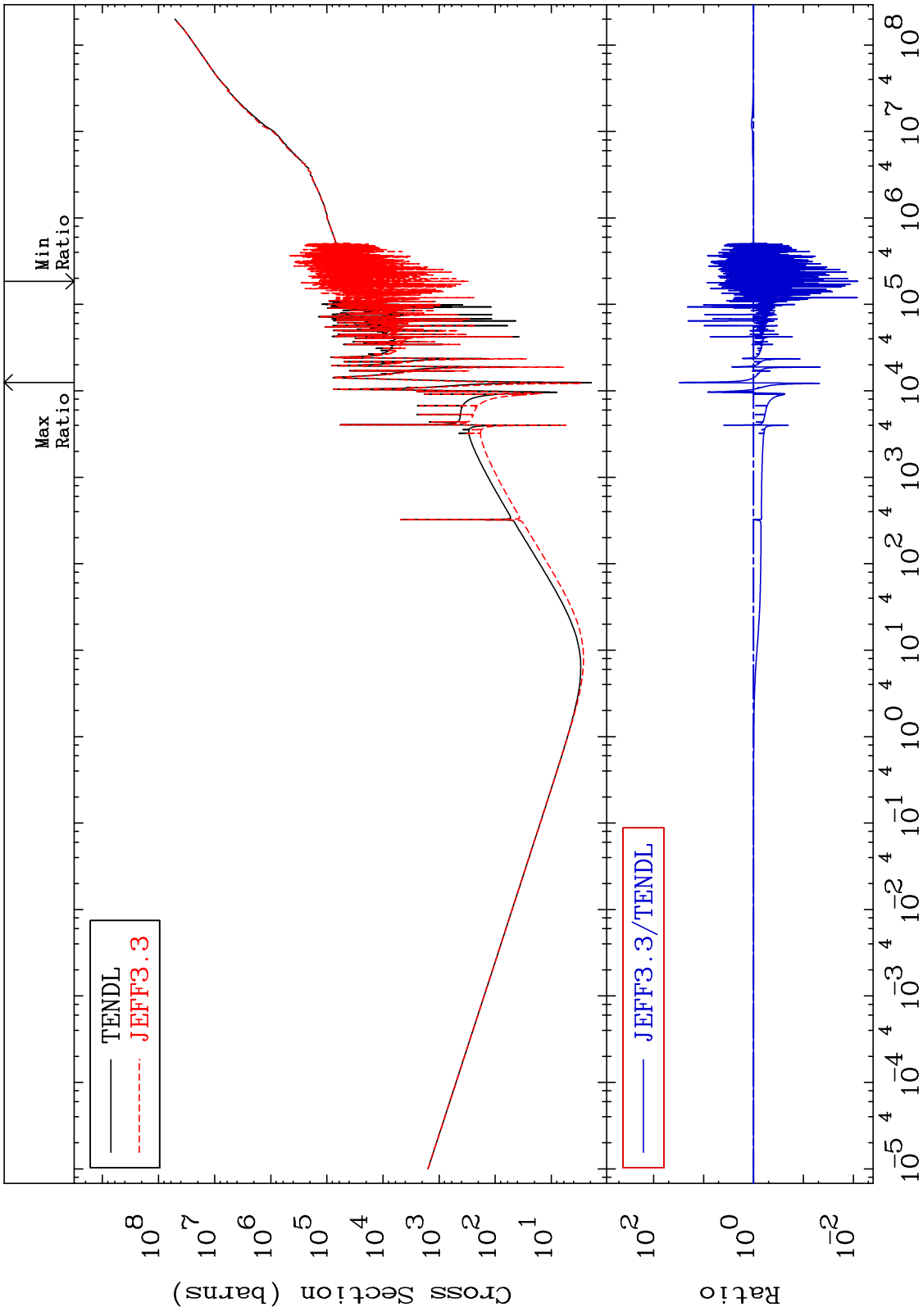


66

Incident Energy (eV)

30-Zn-66

MAT 3031 Kerma total (eV-barns) Cross Section 30-Zn-66 -99.19 To 3006. %

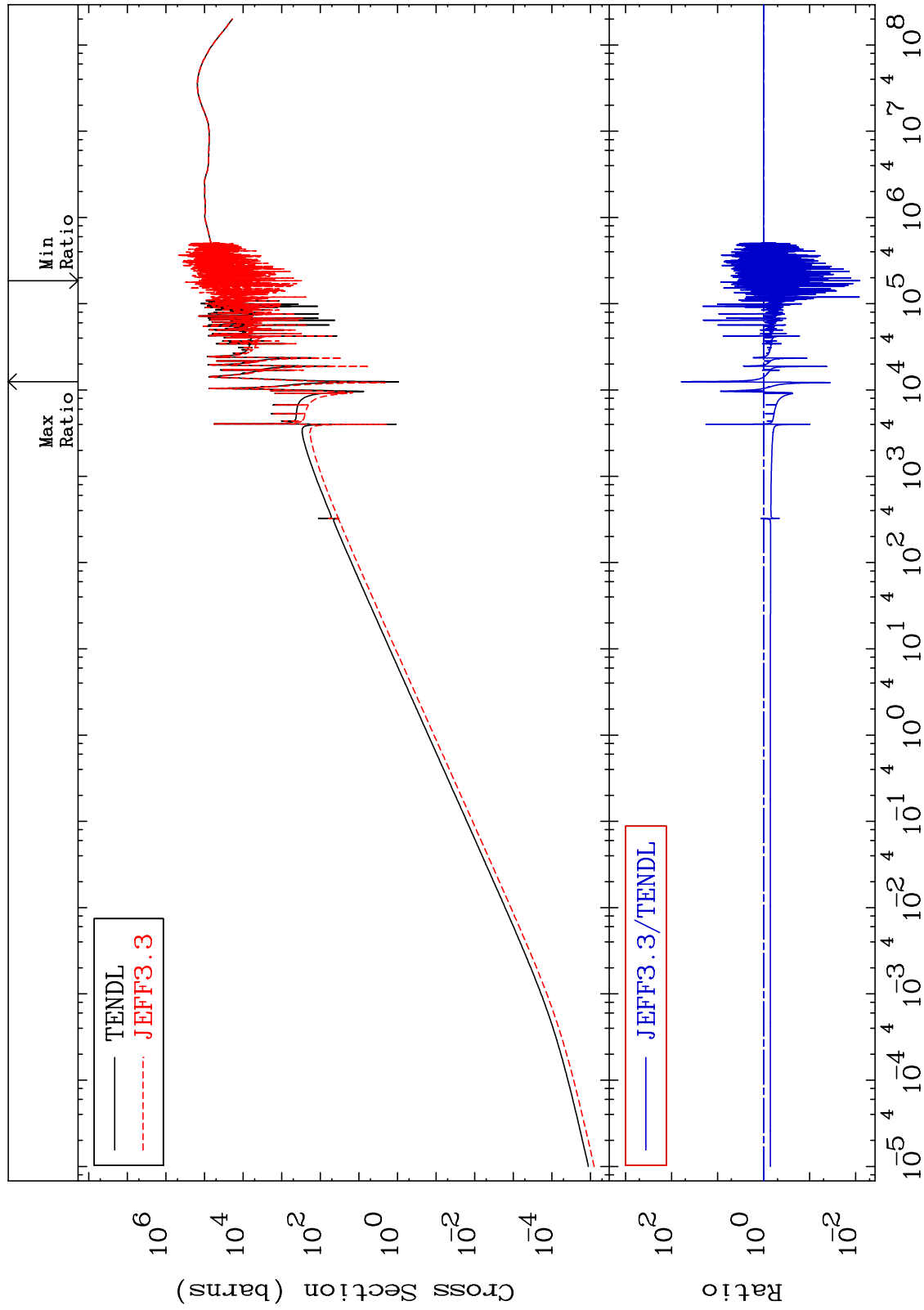


67 Incident Energy (eV) 30-Zn-66

MAT 3031

Kerma elastic
Cross Section

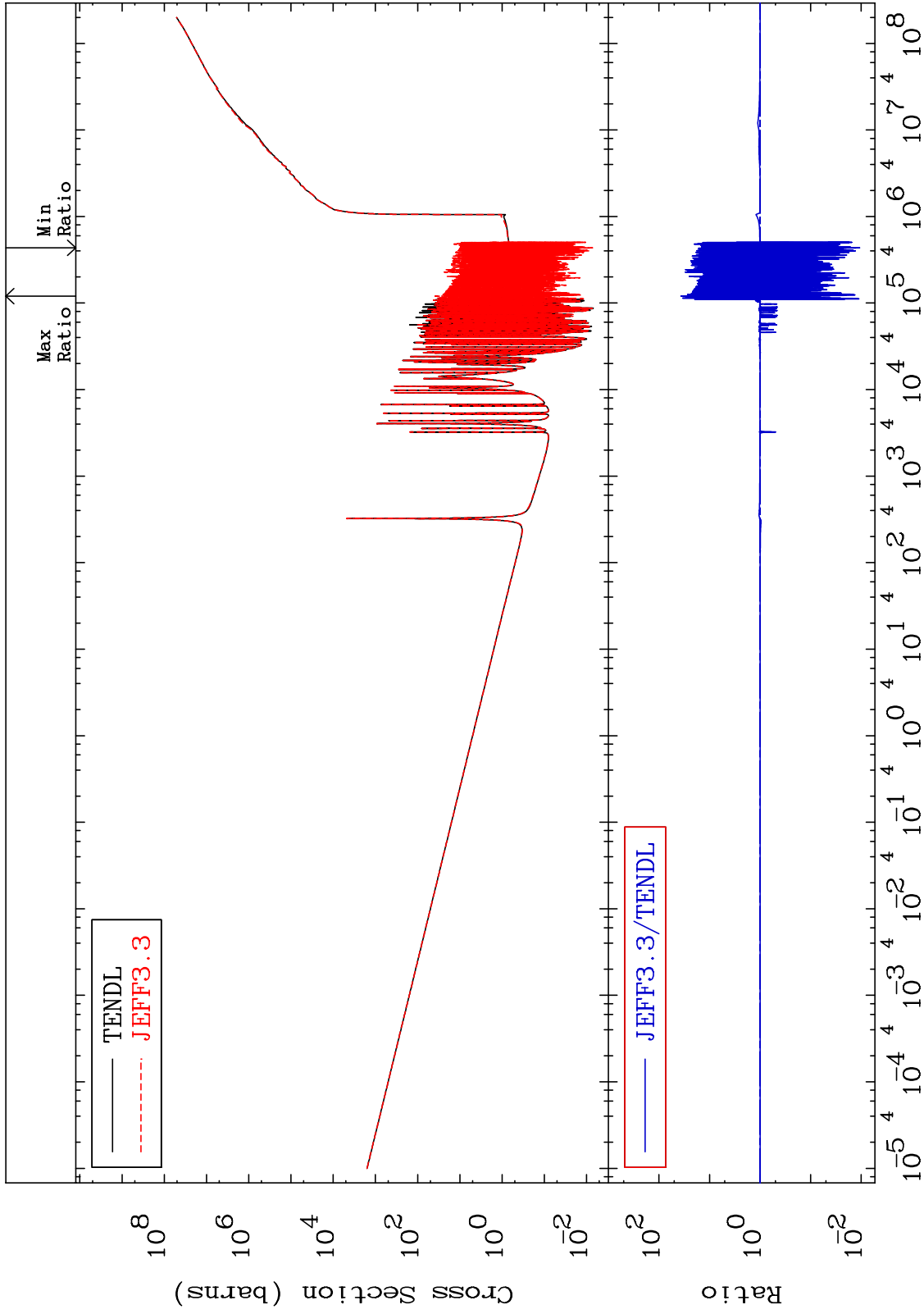
30-Zn-66
-99.19 To 5993. %



MAT 3031

Kerma non-elastic (all but mt2)
Cross Section

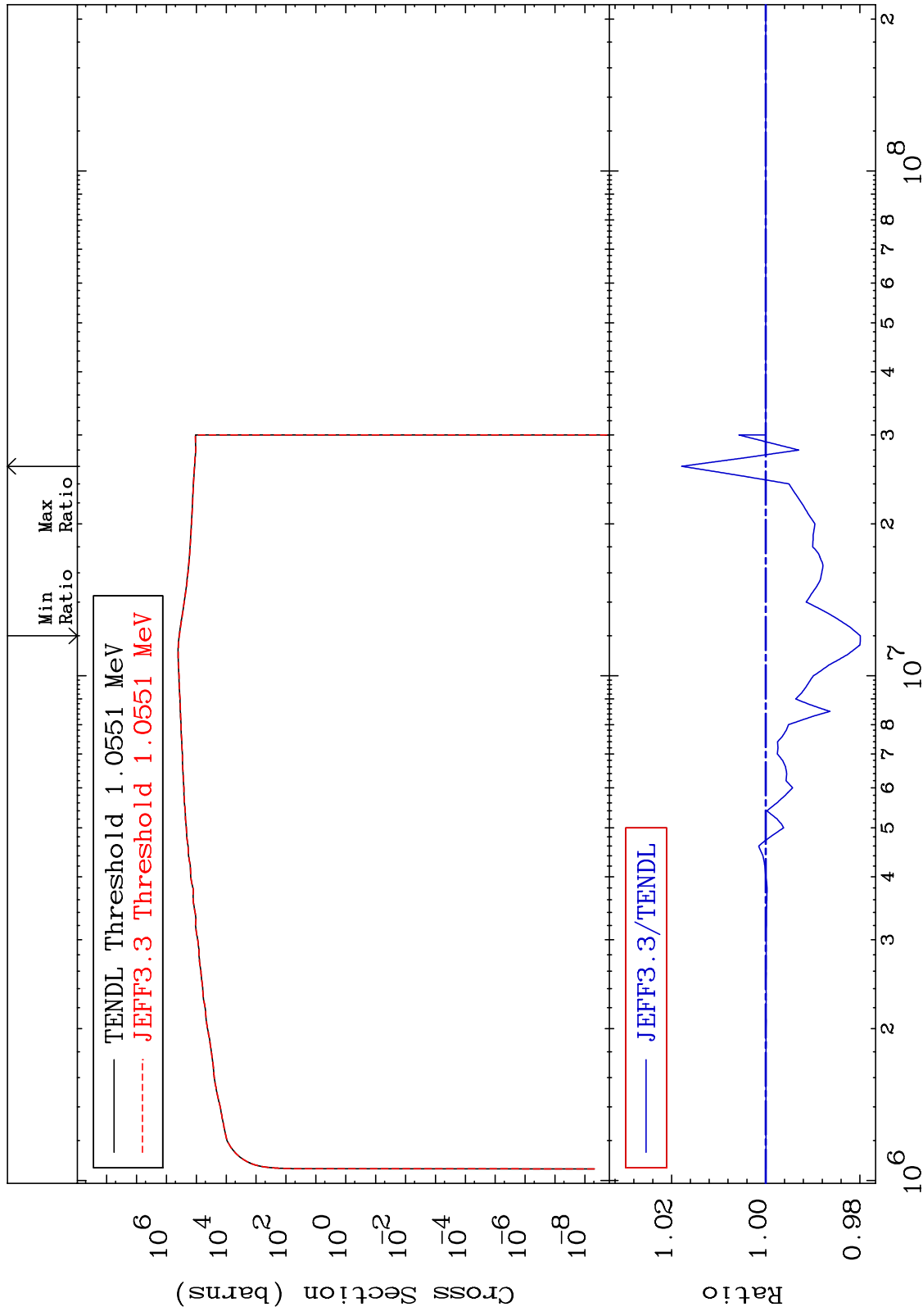
30-Zn-66
-98.92 To 3601. %



MAT 3031

Kerma inelastic (mt51-91)
Cross Section

30-Zn-66
-2.010 To 1.784 %



70

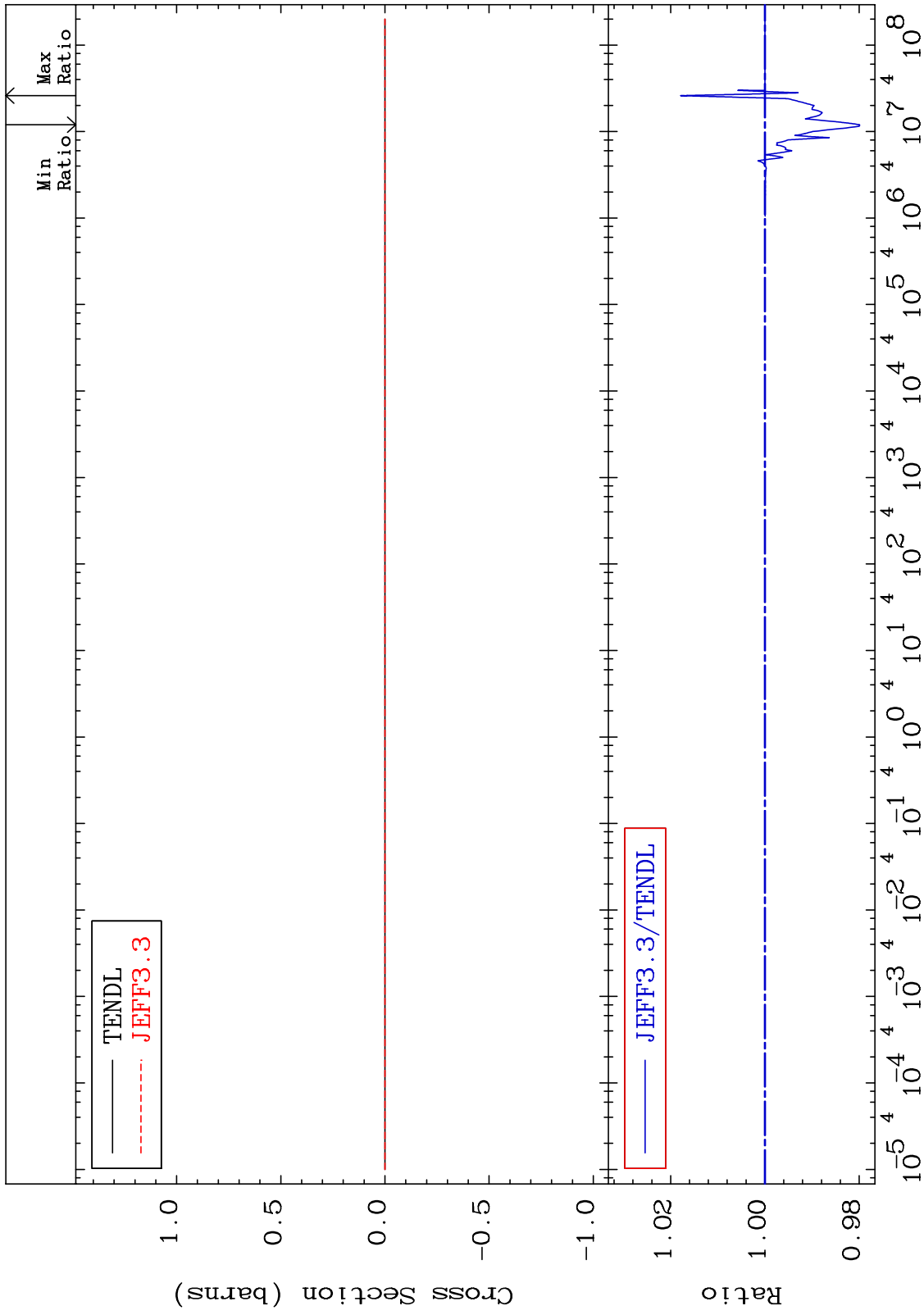
Incident Energy (eV)

30-Zn-66

MAT 3031

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

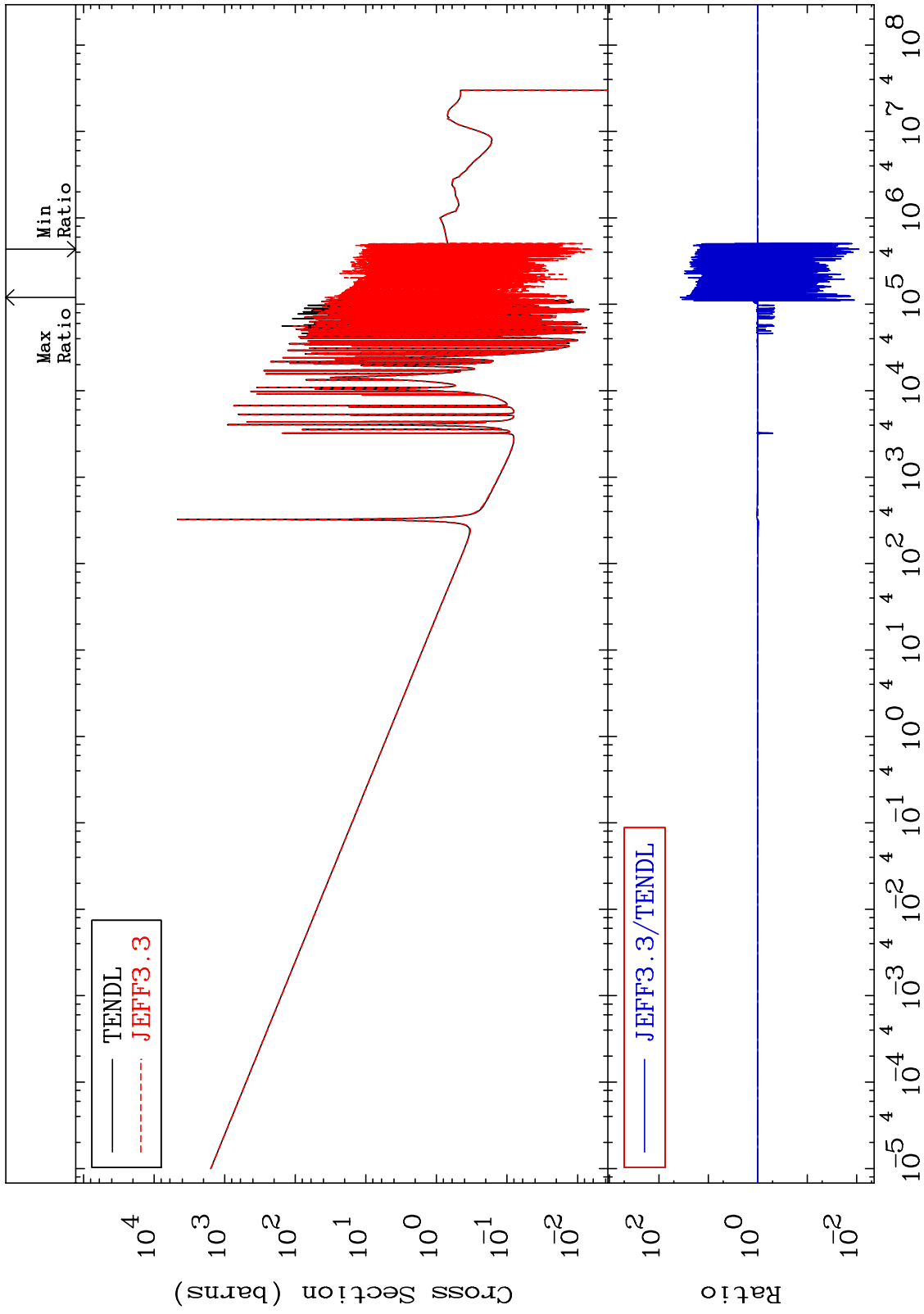
30-Zn-66
-2.010 To 1.784 %



MAT 3031

Kerma capture (mt102)
Cross Section

30-Zn-66
-99.10 To 3601. %



72

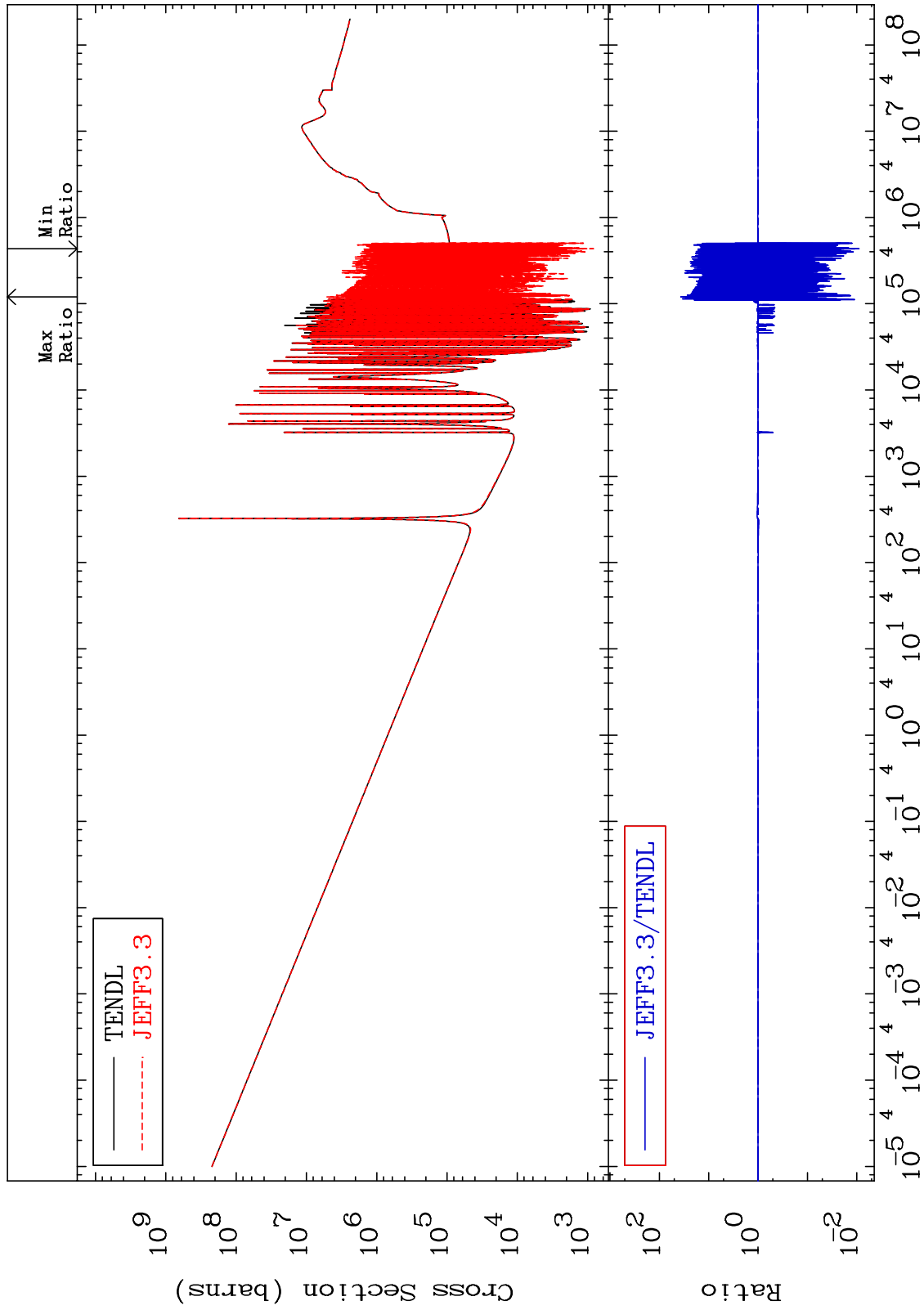
Incident Energy (eV)

30-Zn-66

MAT 3031

Total photon (eV-barns)
Cross Section

30-Zn-66
-99.10 To 3601. %

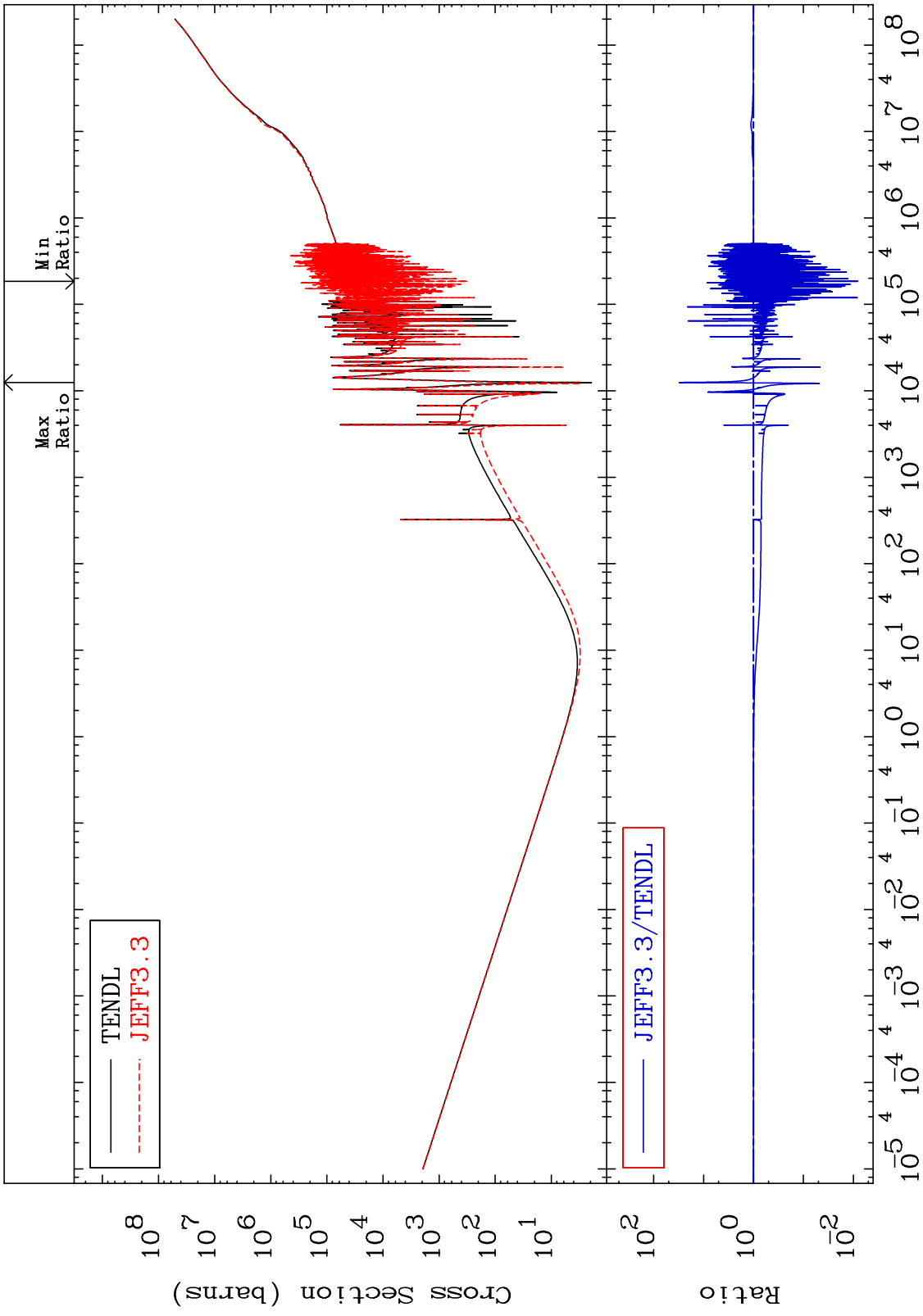


73

Incident Energy (eV)

30-Zn-66

MAT 3031 Total kinematic kerma (high limit) 30-Zn-66
 Cross Section -99.19 To 3006. %

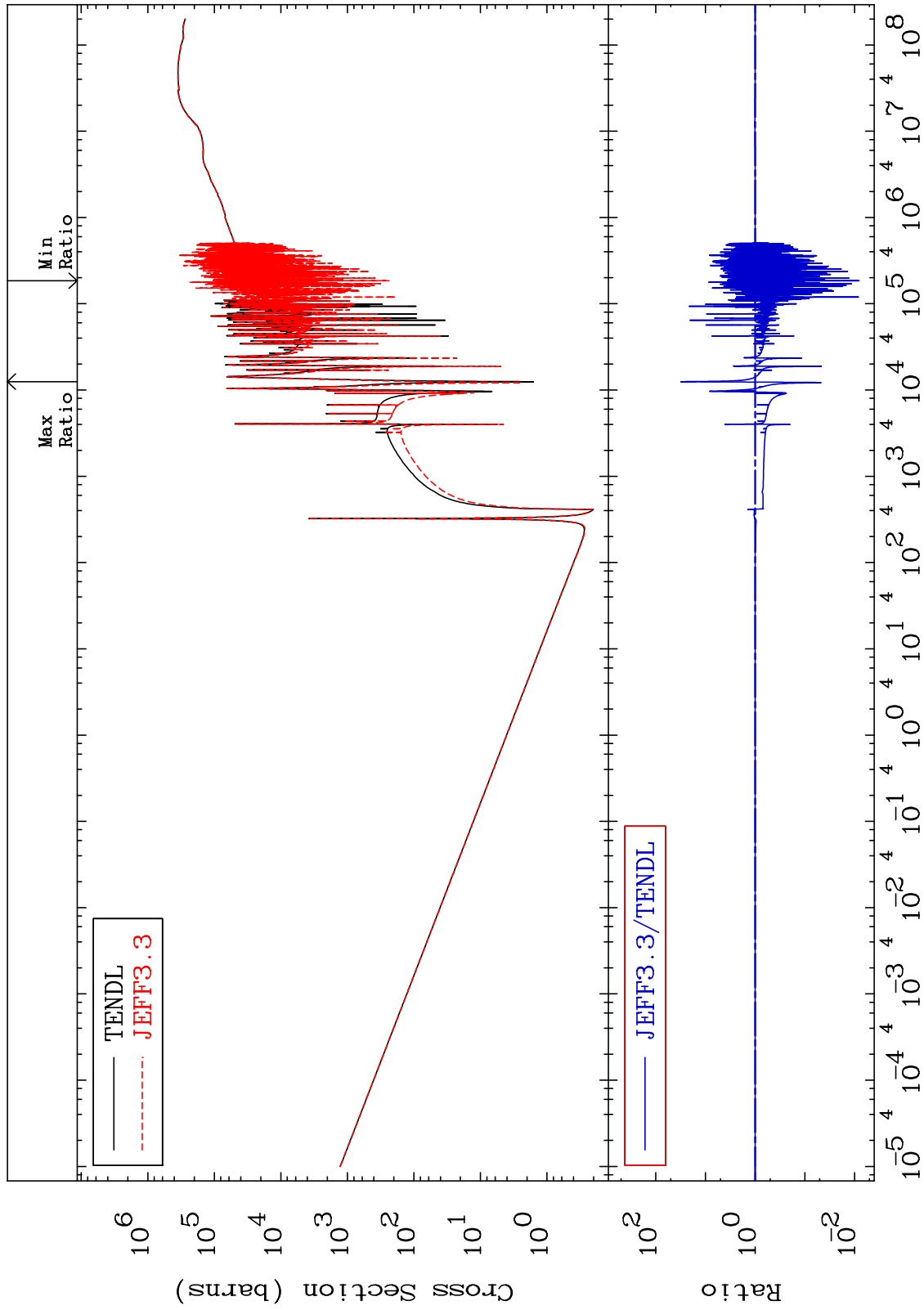


74 Incident Energy (eV) 30-Zn-66

MAT 3031

Dpa total (eV-barns)
Cross Section

30-Zn-66
-99.19 To 3057. %



75

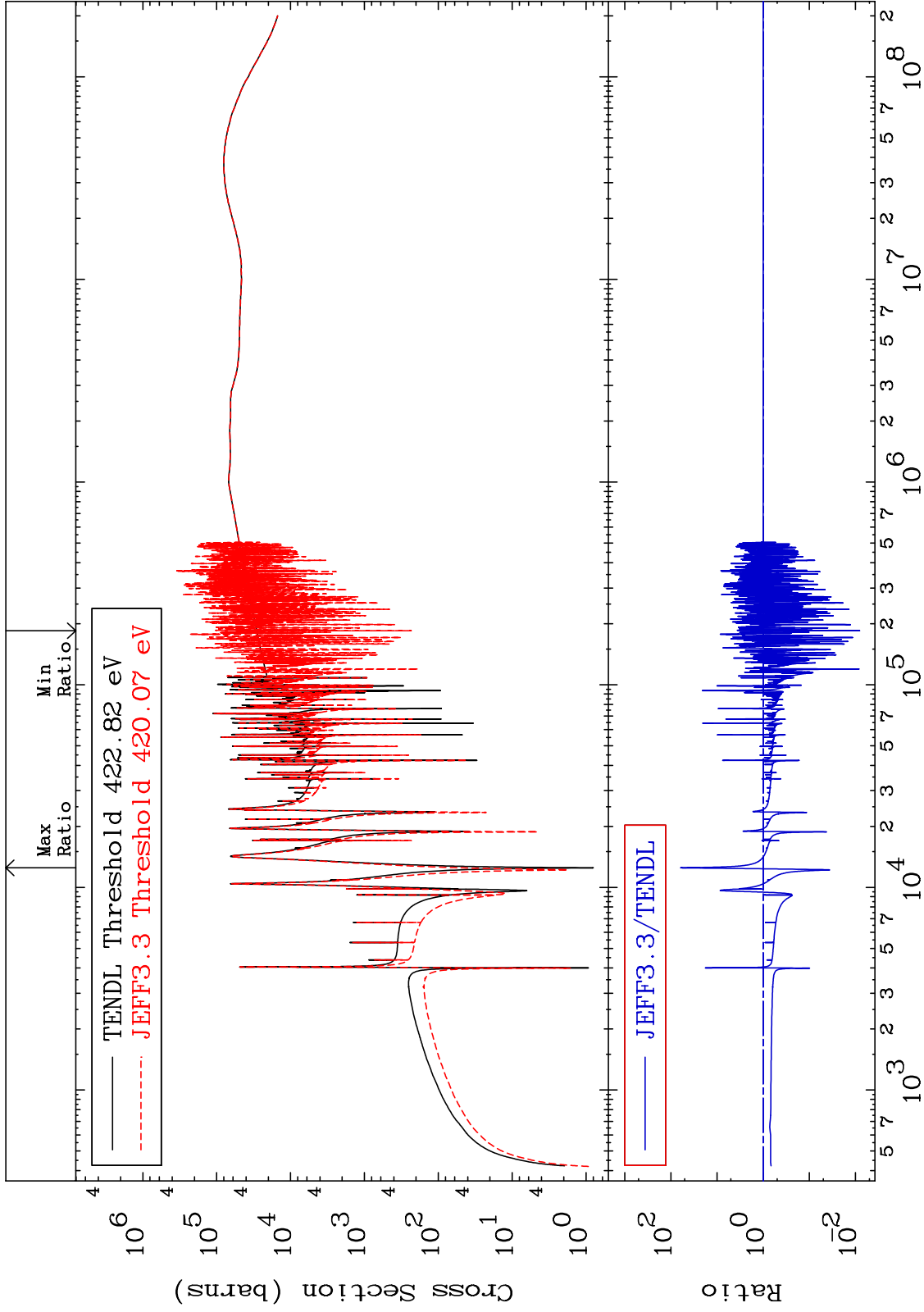
Incident Energy (eV)

30-Zn-66

MAT 3031

Dpa elastic (mt2)
Cross Section

30-Zn-66
-99.19 To 5993. %



76

Incident Energy (eV)

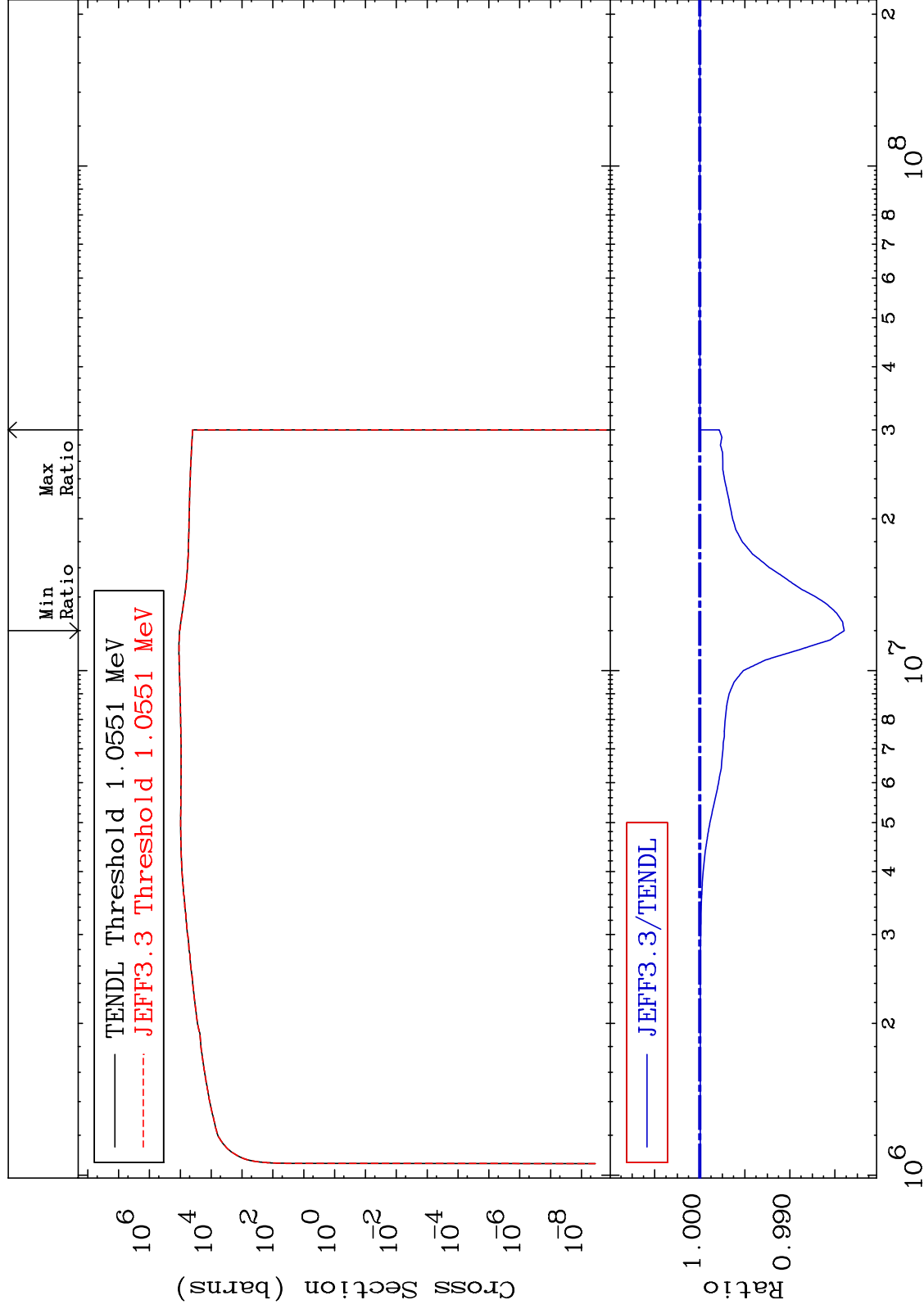
30-Zn-66

MAT 3031

Dpa inelastic (mt51-91)

30-Zn-66

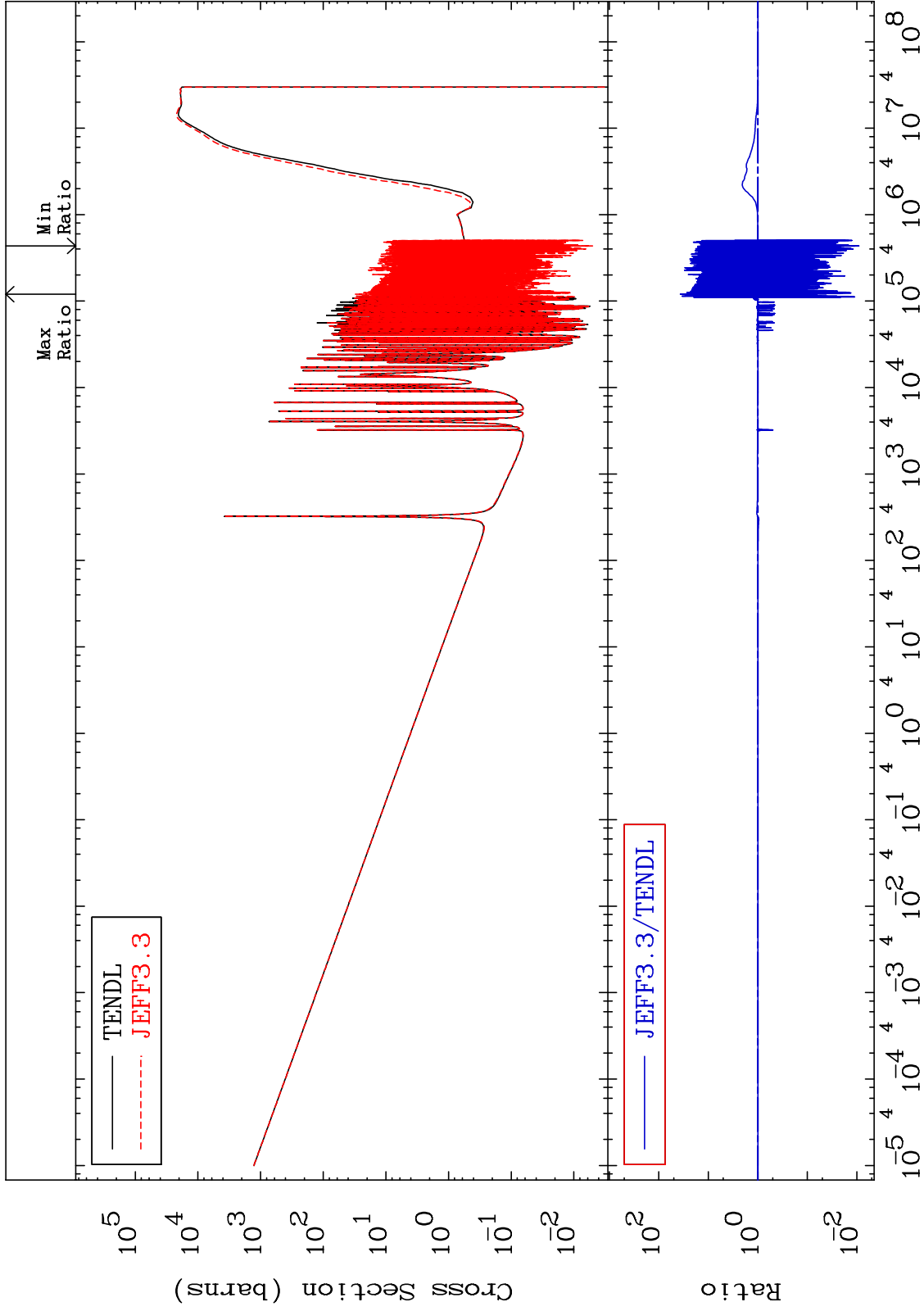
-1.604 To 0.000 %



MAT 3031

Dpa disappearance (mt102 -120)
Cross Section

30-Zn-66
-99.09 To 3601. %



78

Incident Energy (eV)

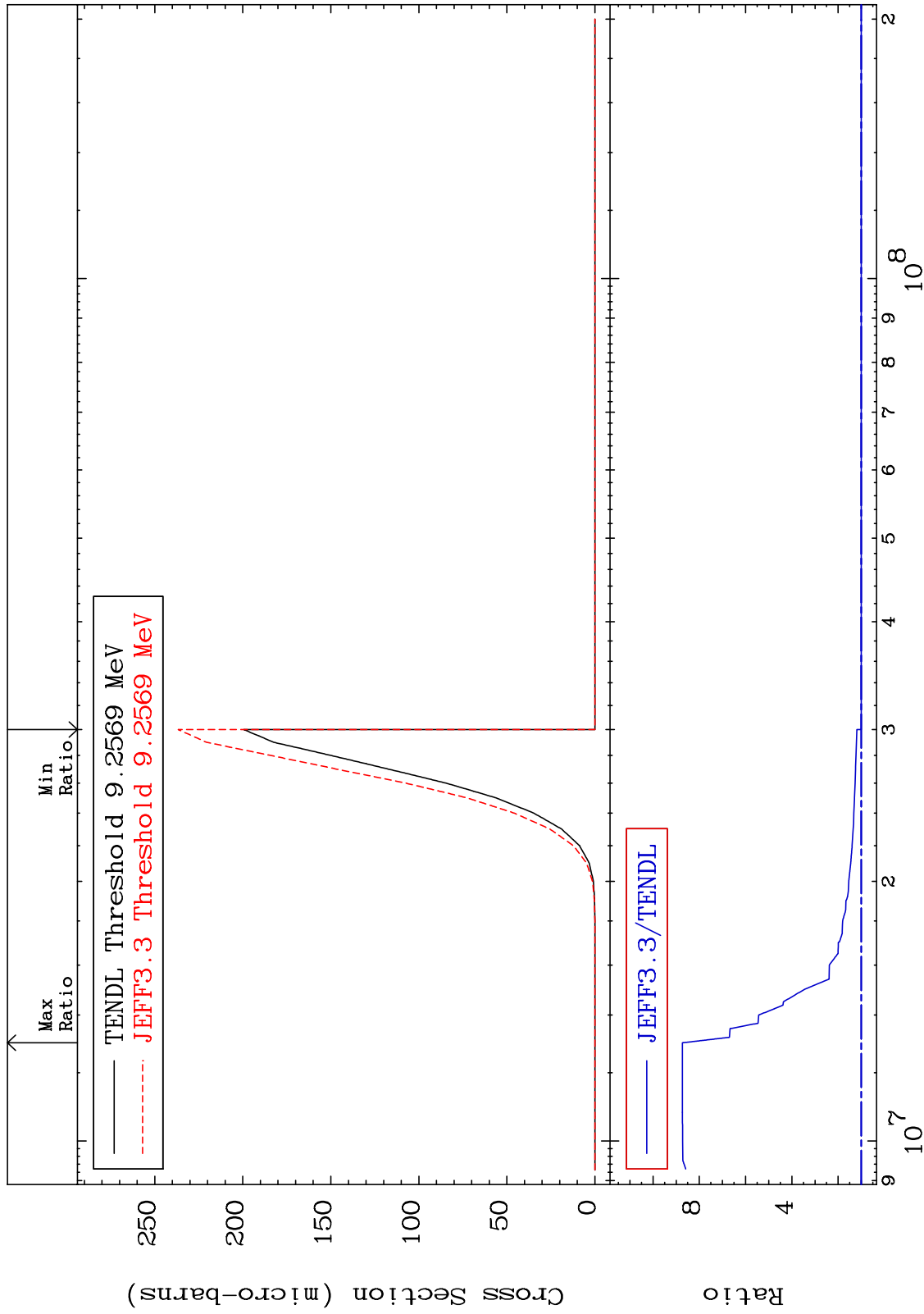
30-Zn-66

MAT 3031

(n,p) α :27-Co-62g

30-Zn-66

Radionuclide Production Cross Section 0.000 To 772.8 %

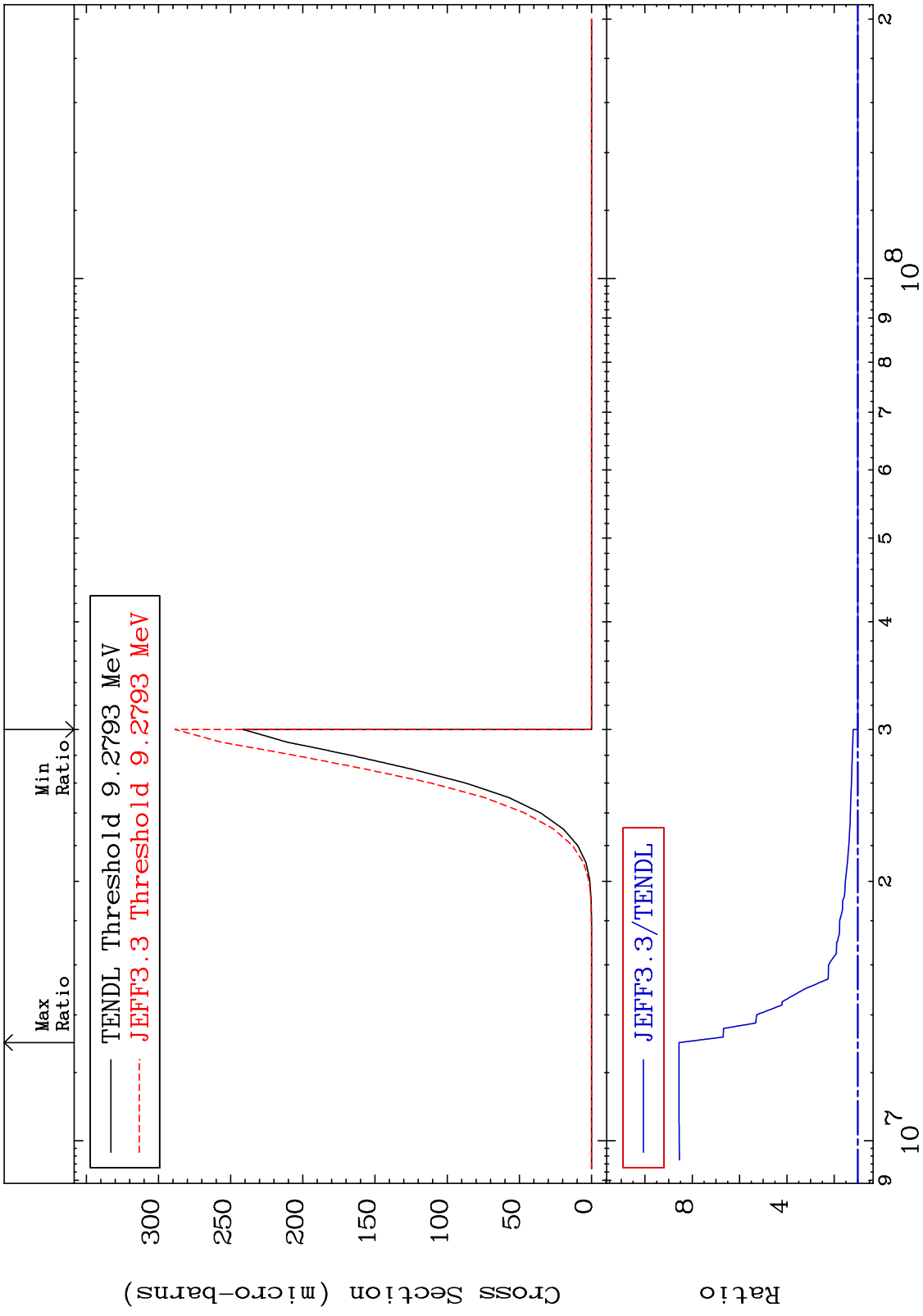


79

Incident Energy (eV)

30-Zn-66

MAT 3031 (n,p) α :27-Co-62m1 30-Zn-66
Radionuclide Production Cross Section 0.000 To 755.9 %



80 Incident Energy (eV) 30-Zn-66