

Program Complot  
(Version 2021-1)

by

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(Present Contact Information)

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U.S.A.

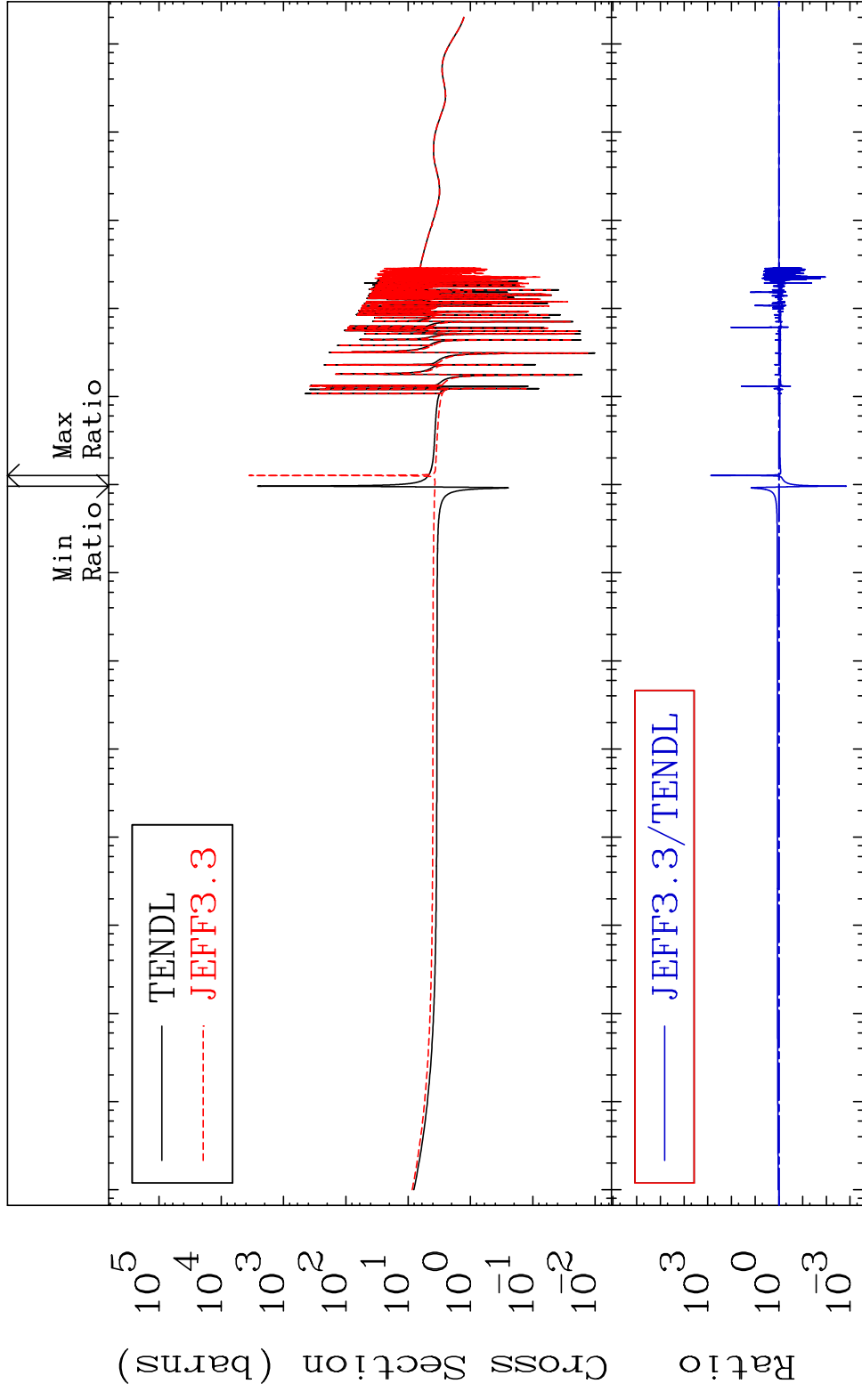
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 3043

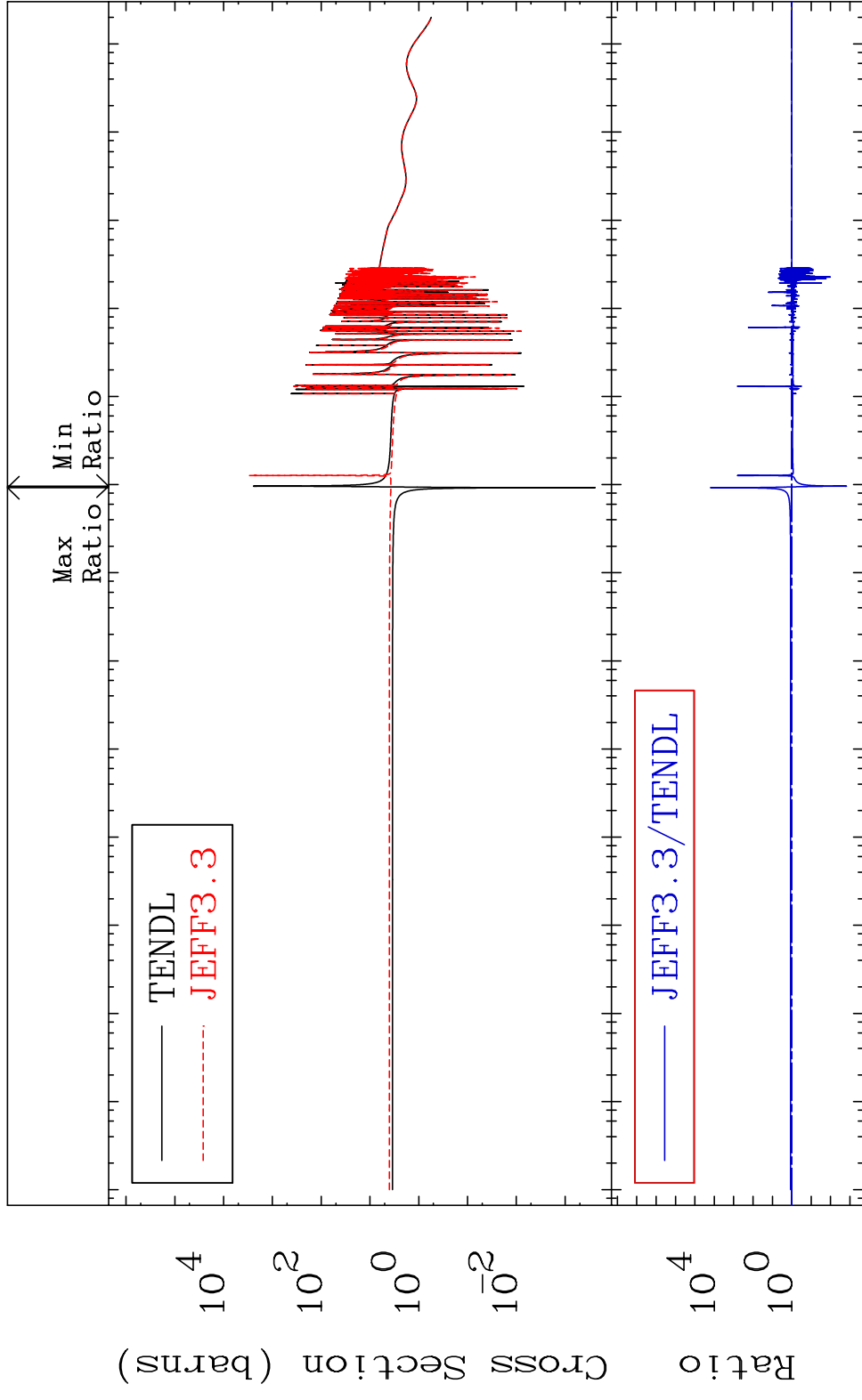
Total Cross Section -99.86 To 9999. %  
30-Zn-70



1 Incident Energy (eV) 30-Zn-70

MAT 3043

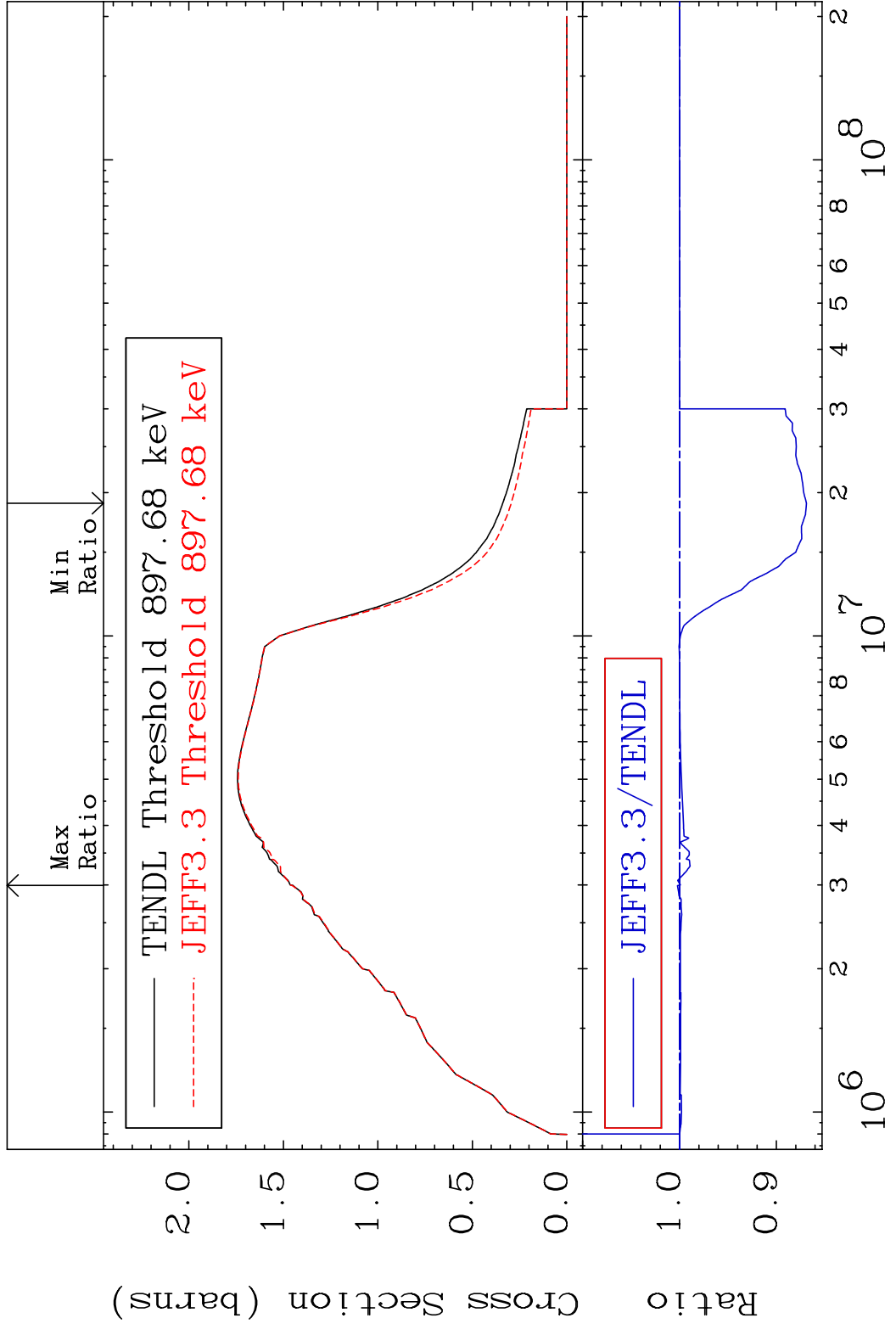
Elastic Cross Section -99.85 To 9999. % 30-Zn-70



2

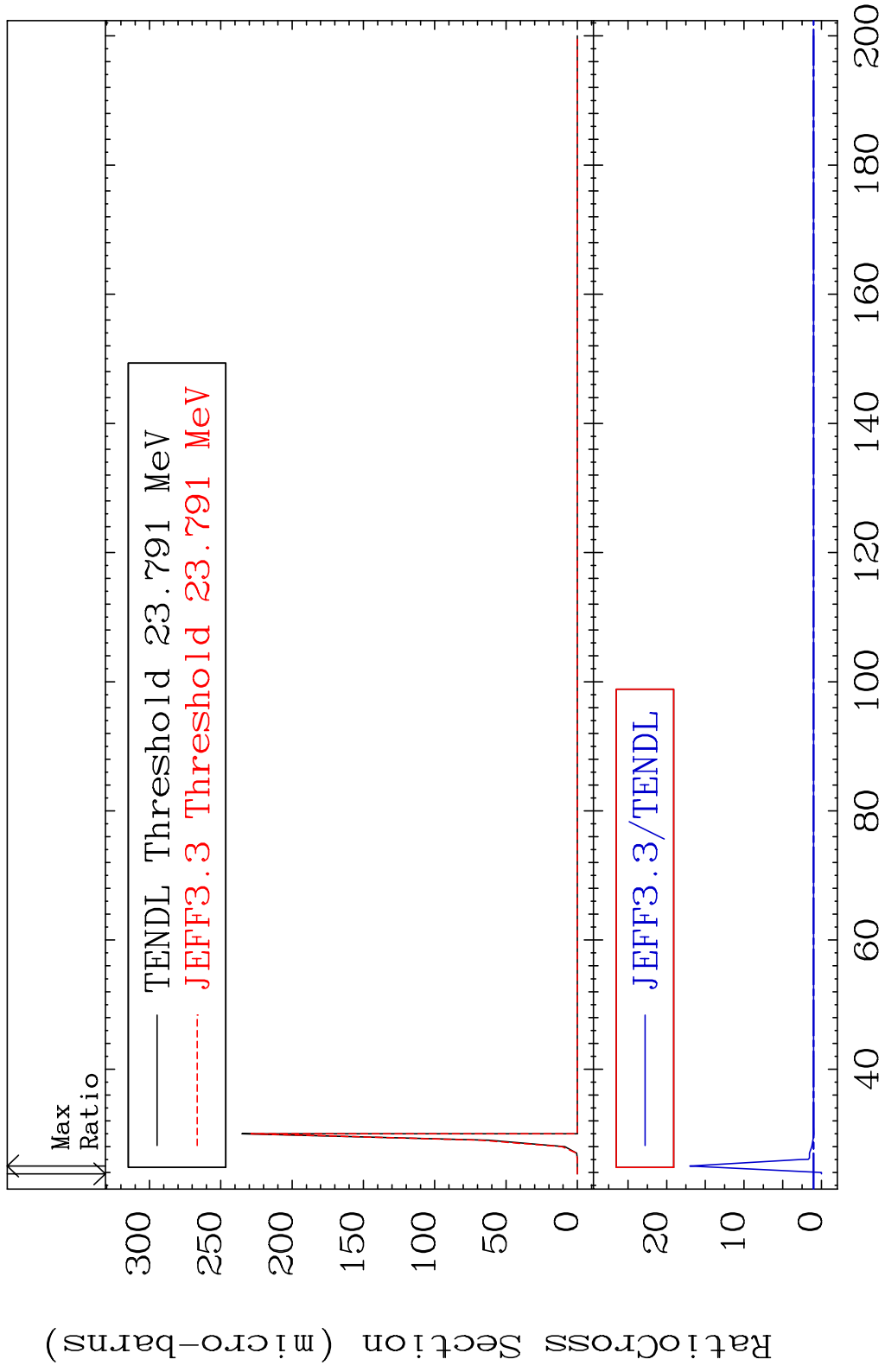
Incident Energy (eV) 30-Zn-70

MAT 3043 Inelastic Cross Section -13.10 To 0.240 % 30-Zn-70



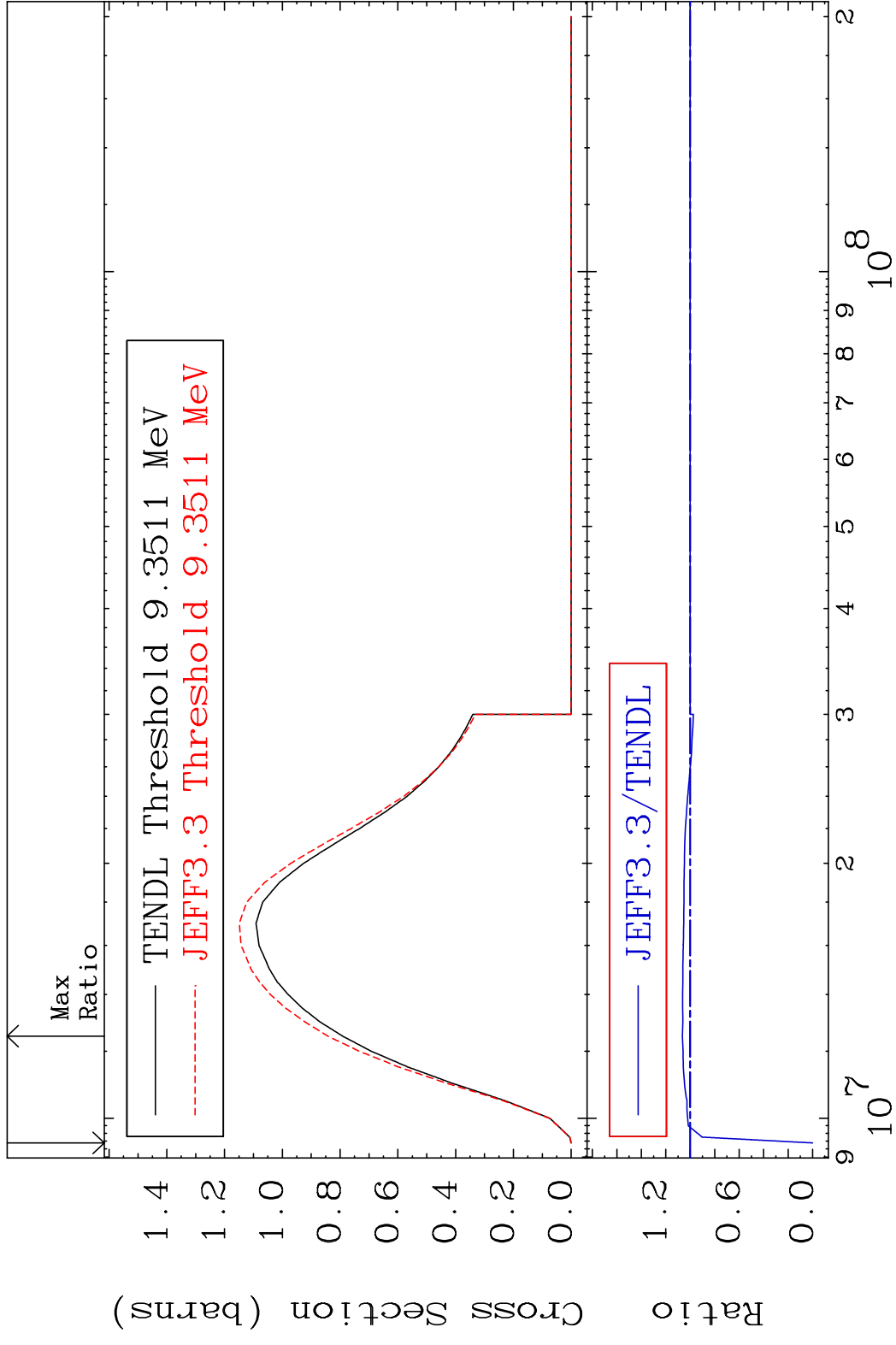
3 Incident Energy (eV) 30-Zn-70

MAT 3043 (n,2n) d 30-Zn-70  
Cross Section -100.0 To 1601. %



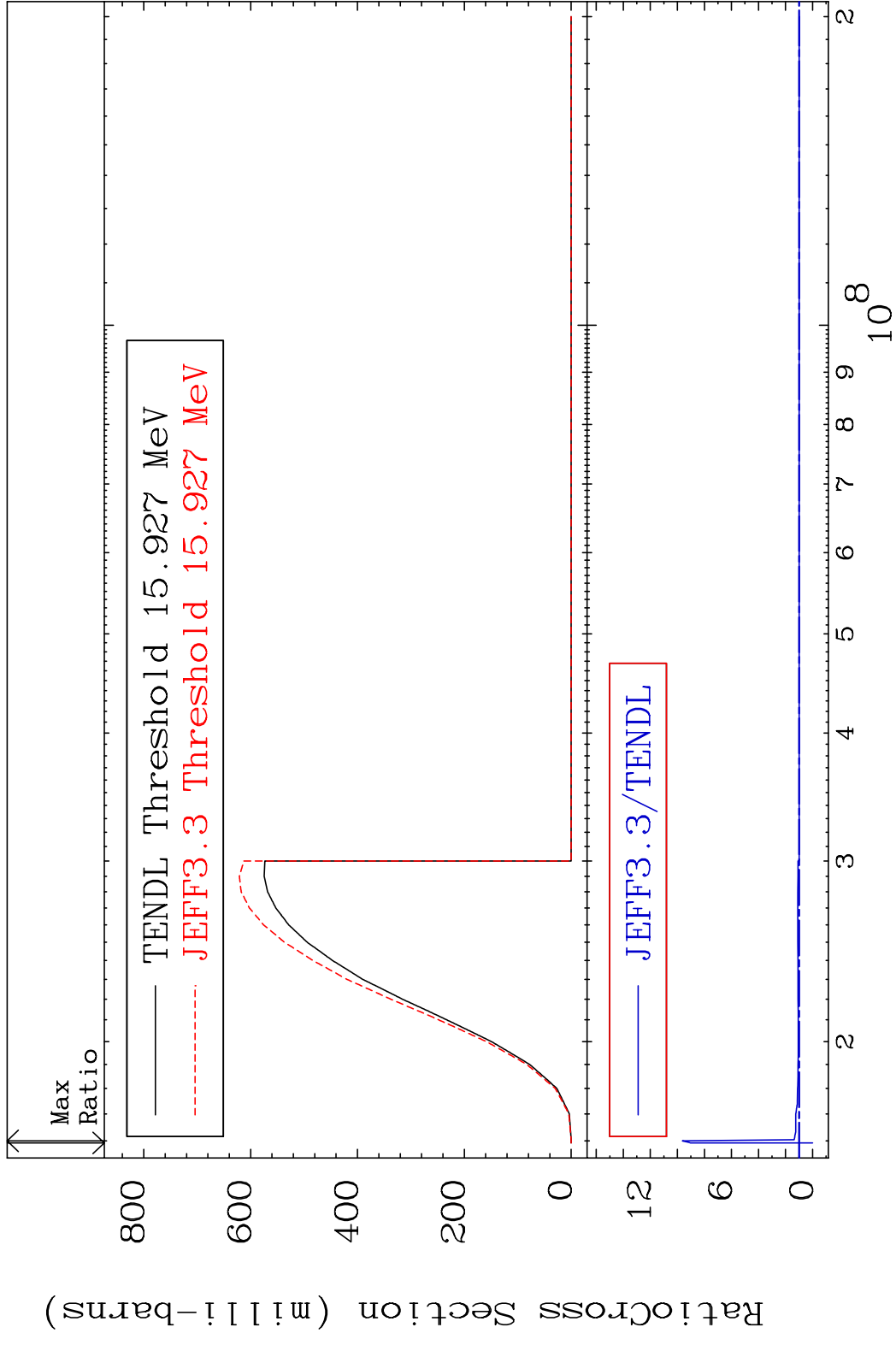
4 Incident Energy (MeV) 30-Zn-70

MAT 3043 (n,2n) 30-Zn-70  
 Cross Section -100.0 To 6.455 %



5 Incident Energy (eV) 30-Zn-70

MAT 3043 (n,3n) 30-Zn-70  
 Cross Section -100.0 To 863.1 %



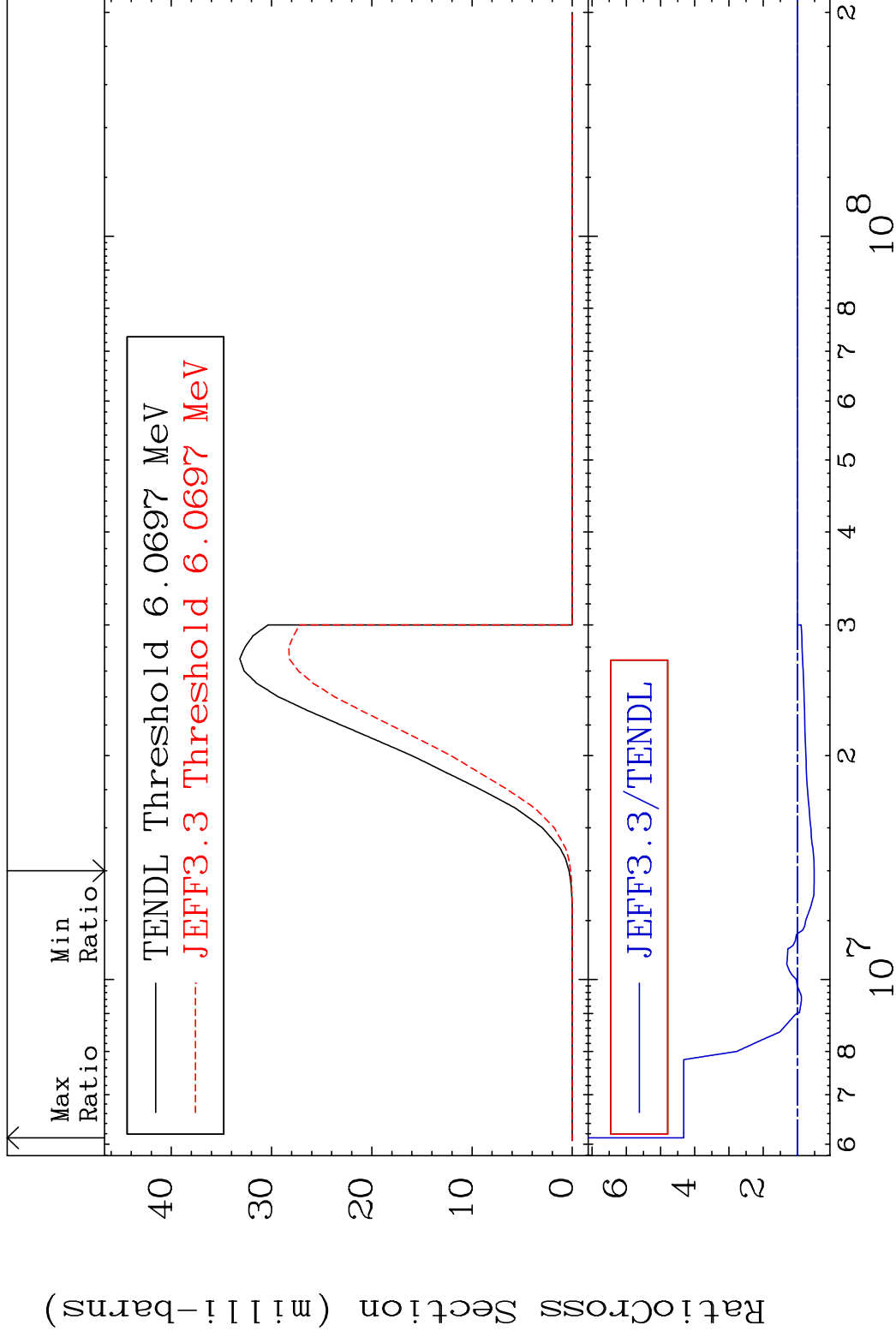
6 Incident Energy (eV) 30-Zn-70

MAT 3043

(n, n')  $\alpha$

30-Zn-70

Cross Section -48.44 To 332.5 %

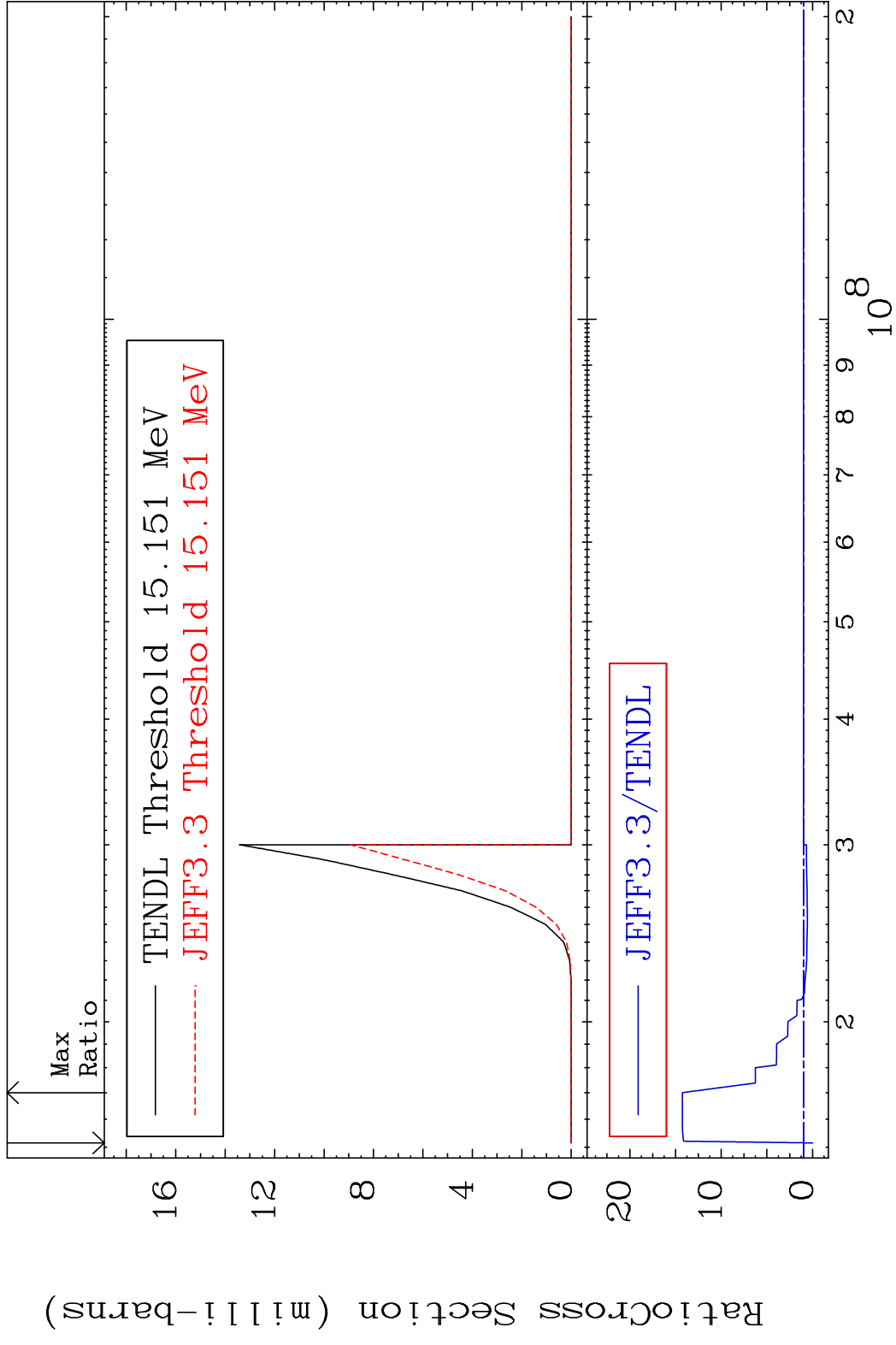


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Incident Energy (eV)

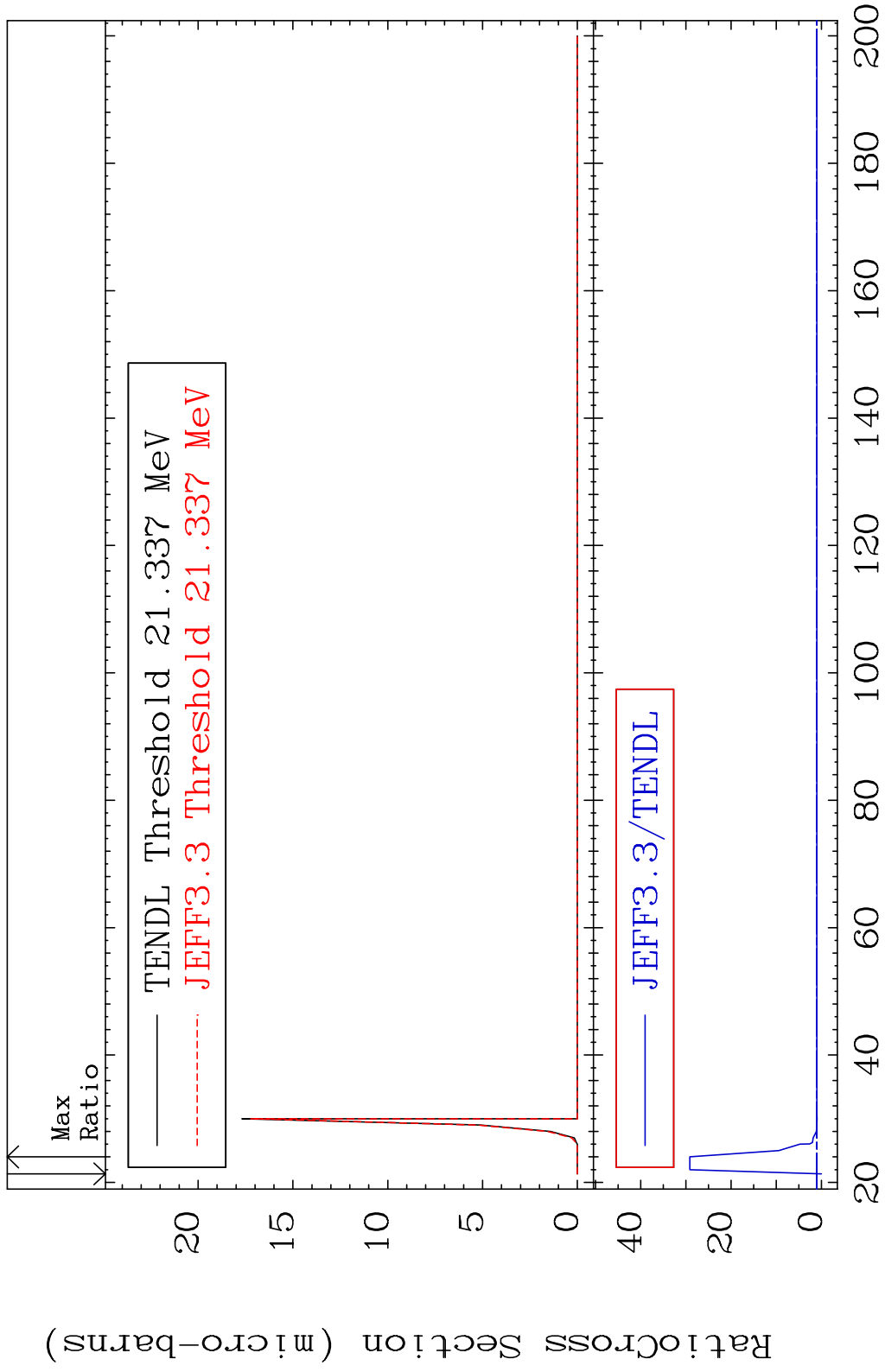
30-Zn-70

MAT 3043 (n,2n)  $\alpha$  30-Zn-70  
 Cross Section -100.0 To 1325. %



8 Incident Energy (eV) 30-Zn-70

MAT 3043 (n,3n)  $\alpha$  30-Zn-70  
 Cross Section -100.0 To 2813. %

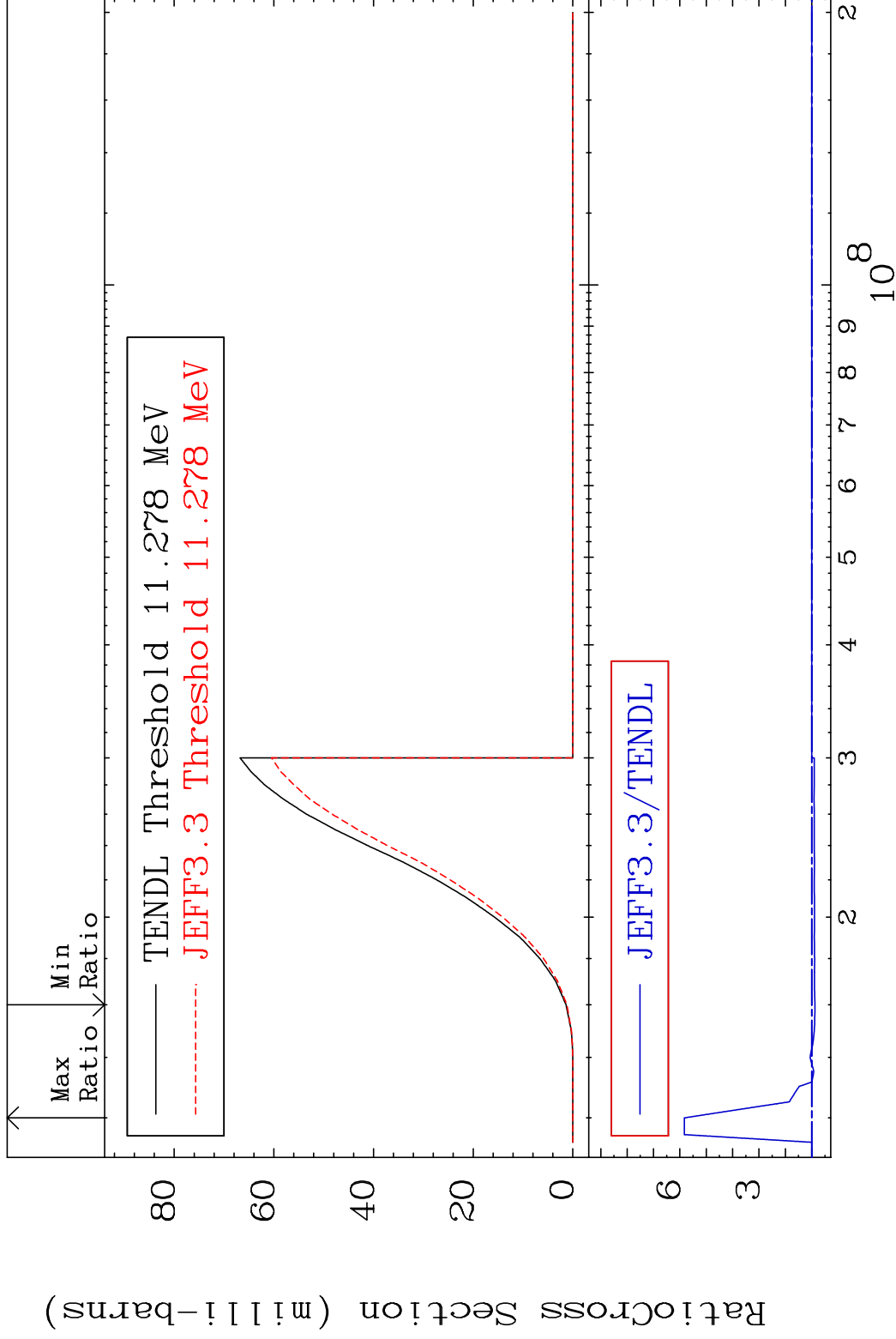


MAT 3043

(n, n') p

30-Zn-70

Cross Section -12.03 To 483.2 %

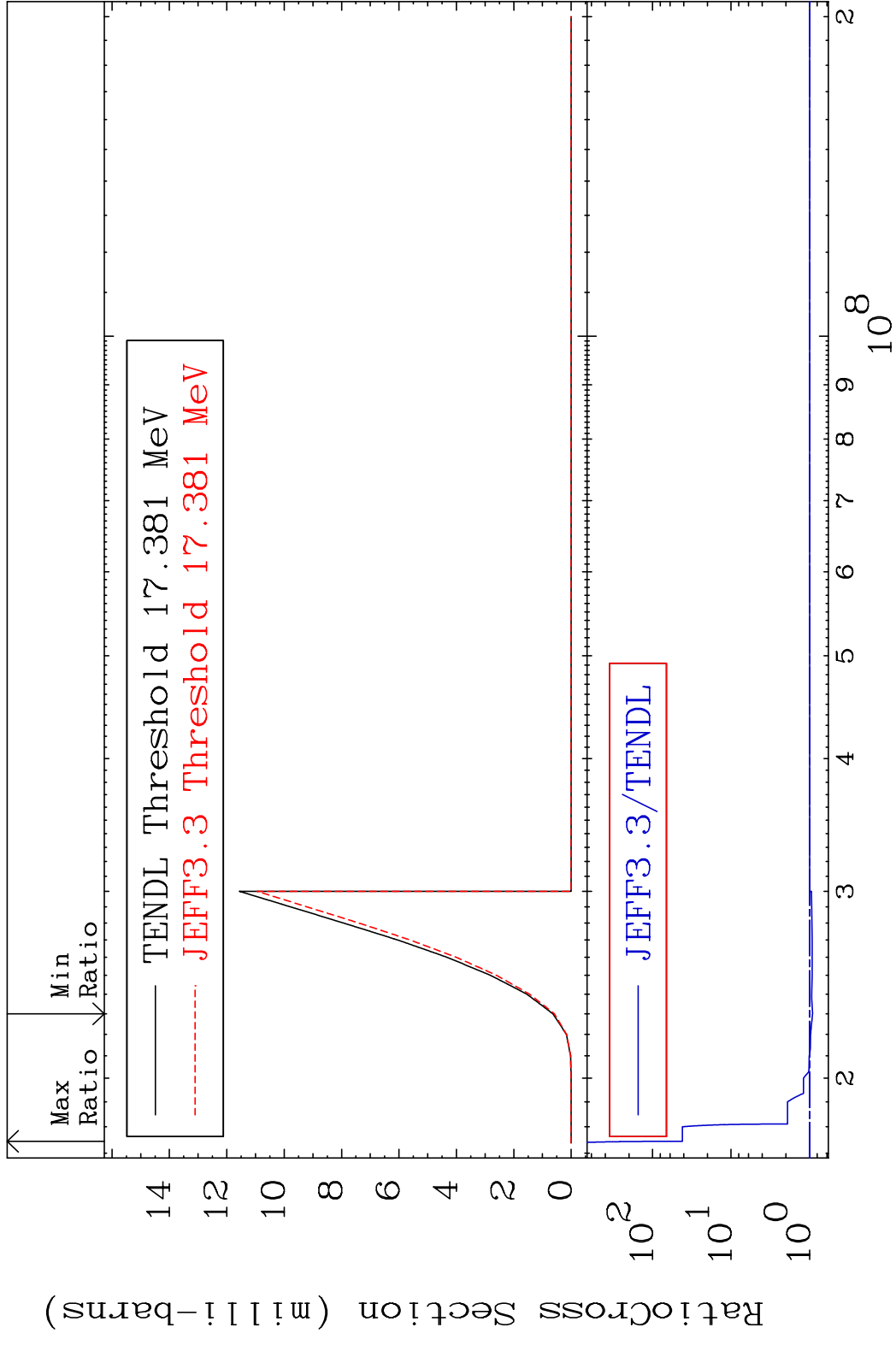


10

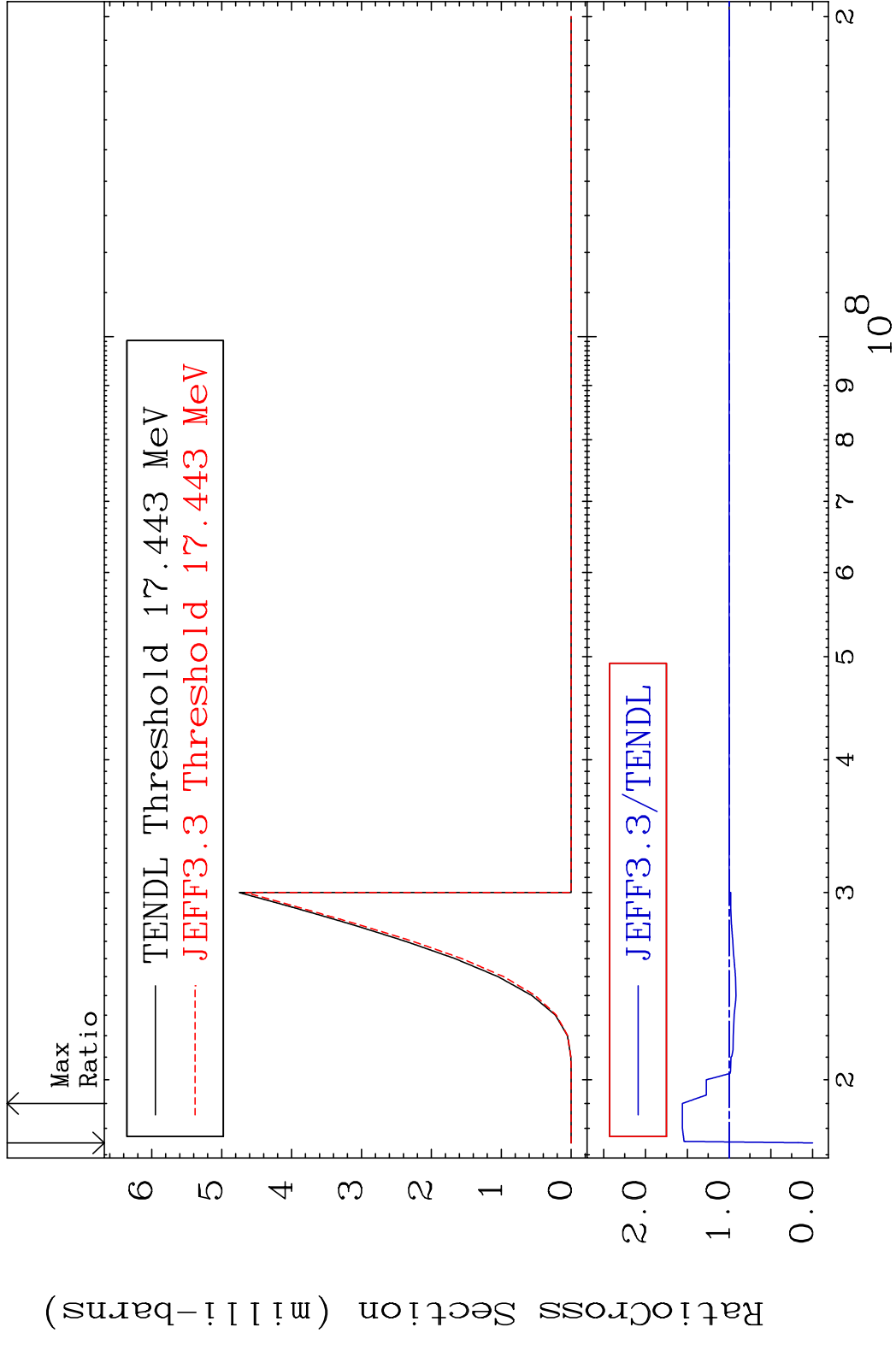
Incident Energy (eV)

30-Zn-70

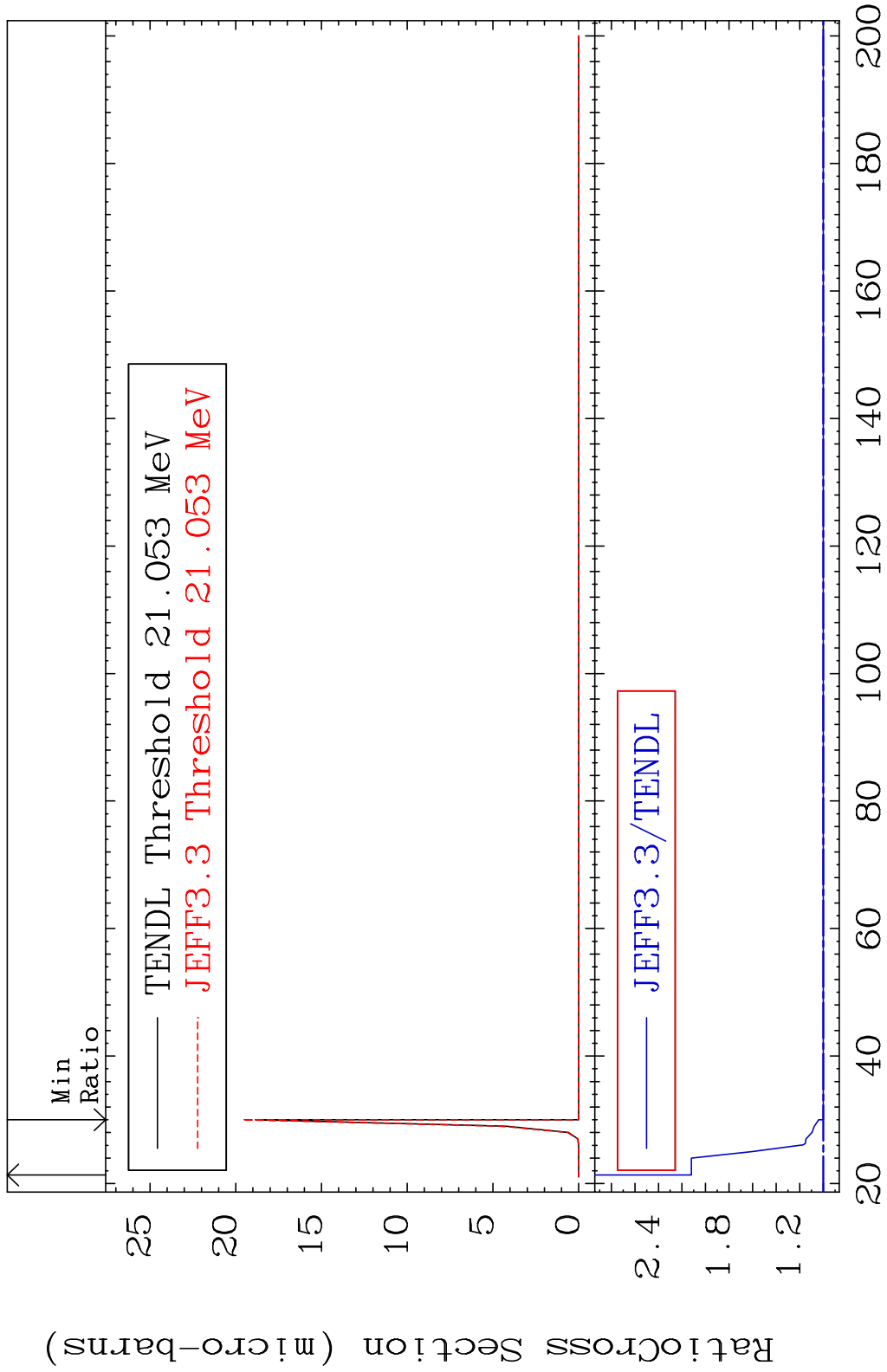
MAT 3043 (n, n') d 30-Zn-70  
 Cross Section -8.414 To 4074. %



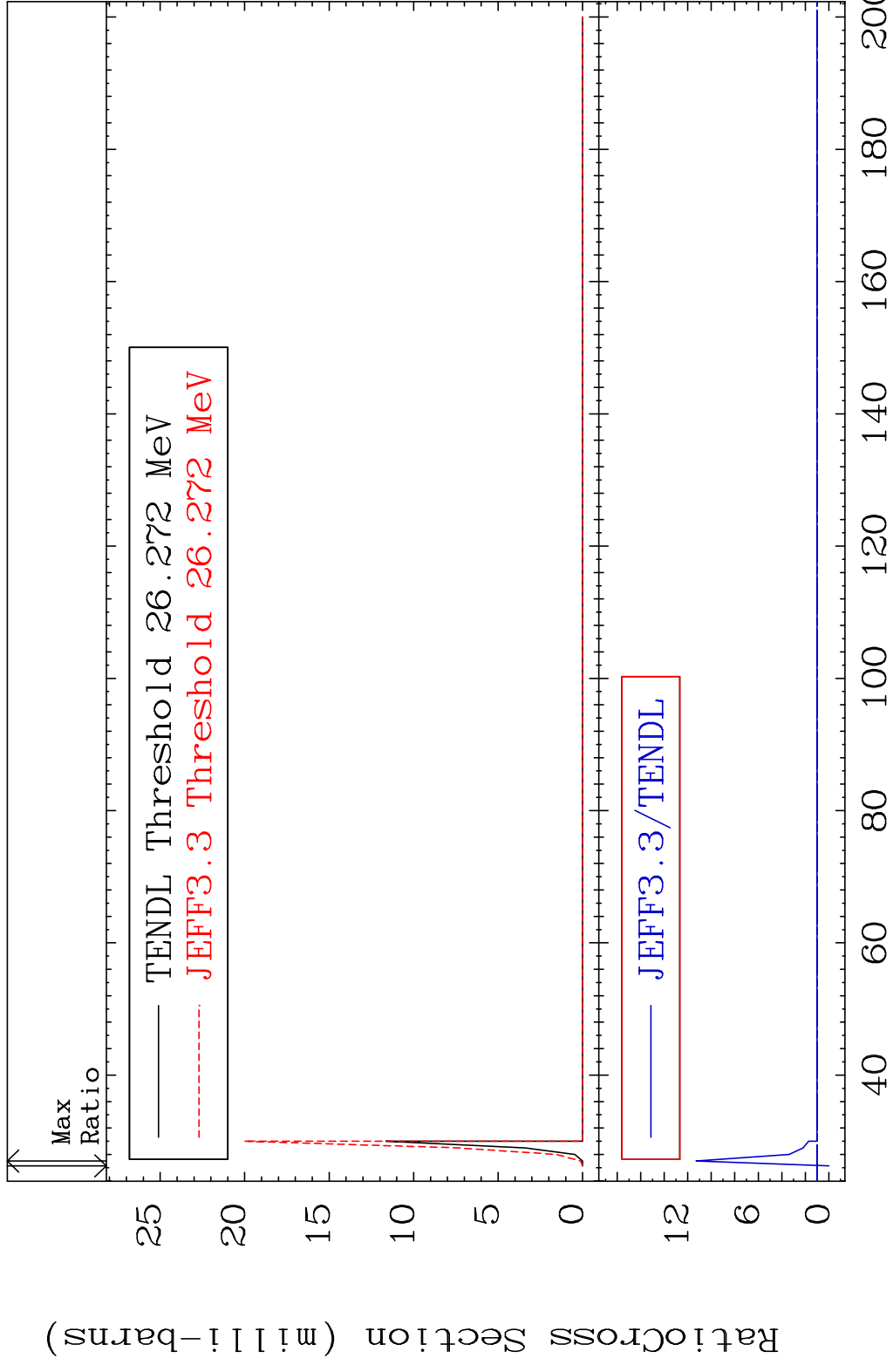
MAT 3043 (n, n') t 30-Zn-70  
 Cross Section -100.0 To 55.93 %



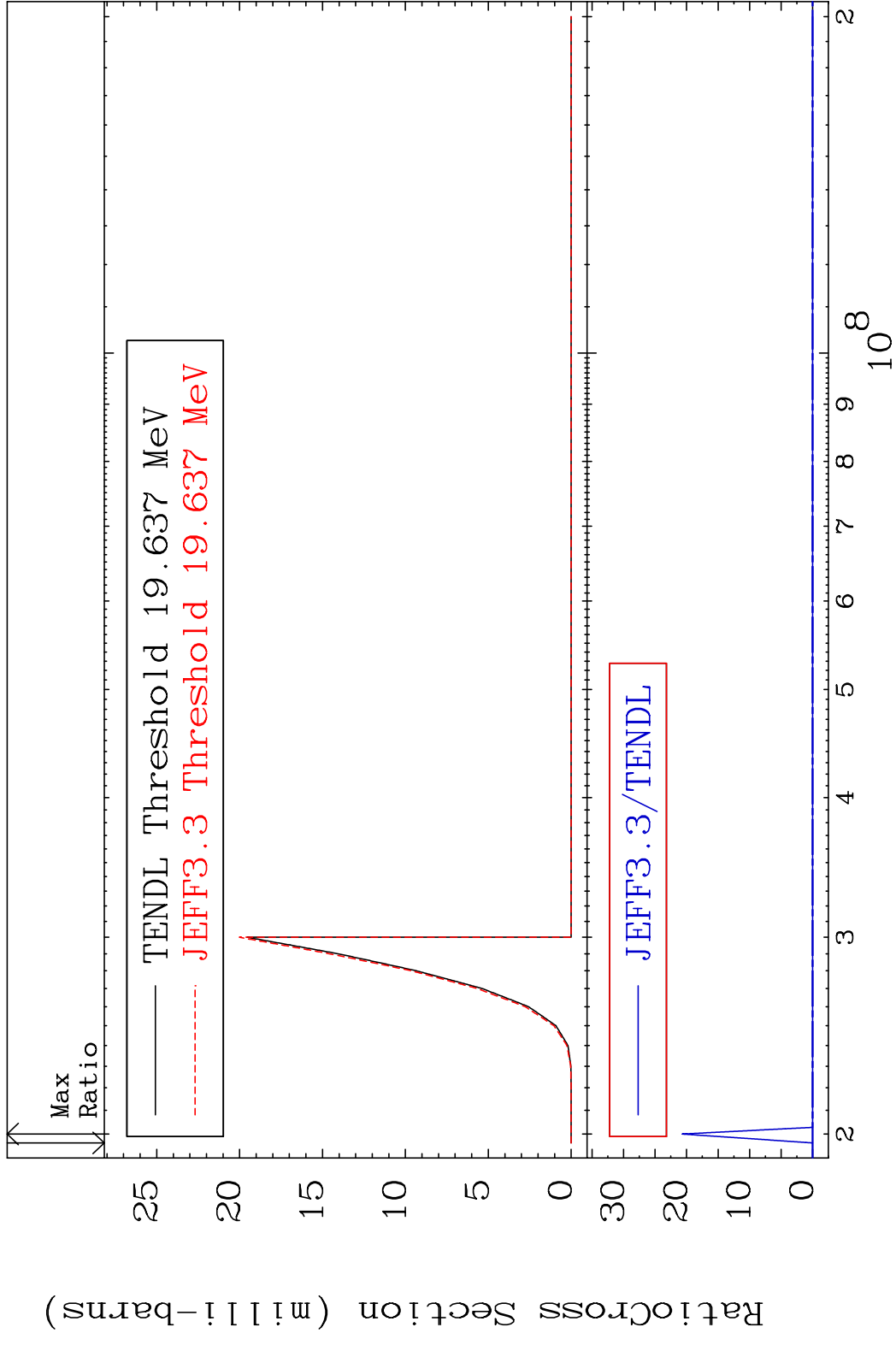
MAT 3043 (n,n') He-3 30-Zn-70  
 Cross Section 0.000 To 112.1 %



MAT 3043 (n,4n) 30-Zn-70  
 Cross Section -100.0 To 1030. %

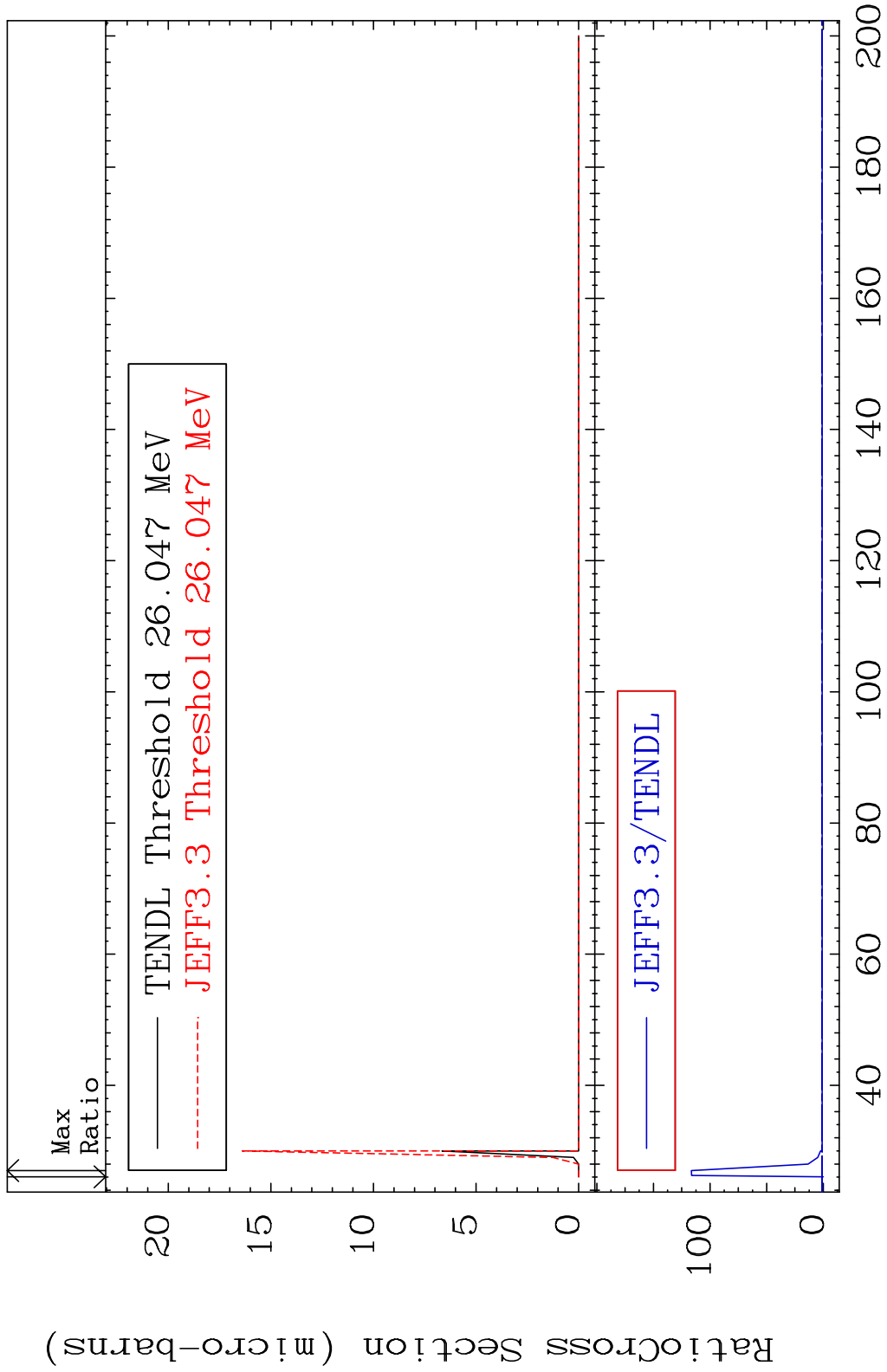


MAT 3043 (n,2n) p 30-Zn-70  
 Cross Section -100.0 To 9999. %

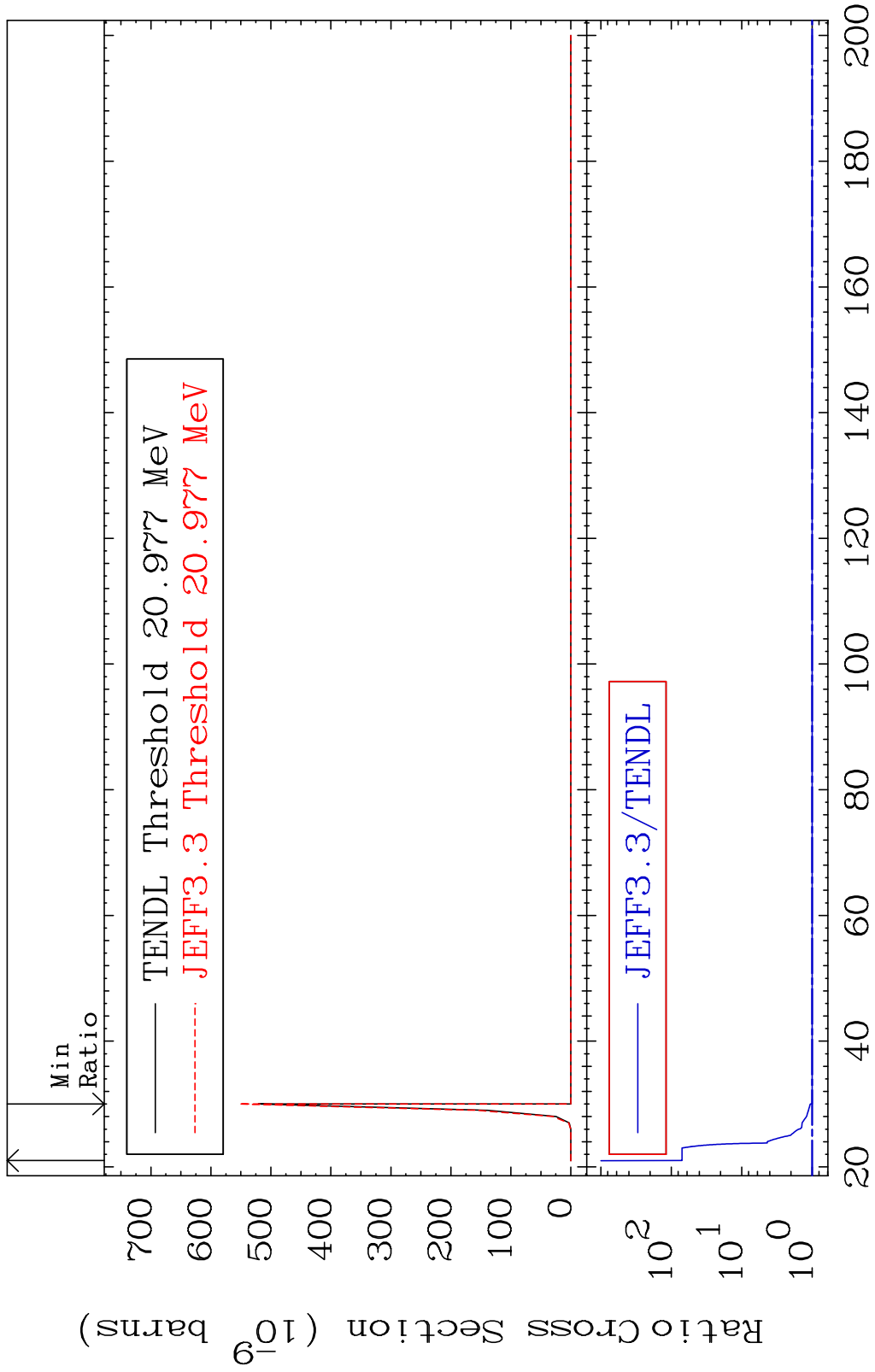


15 30-Zn-70

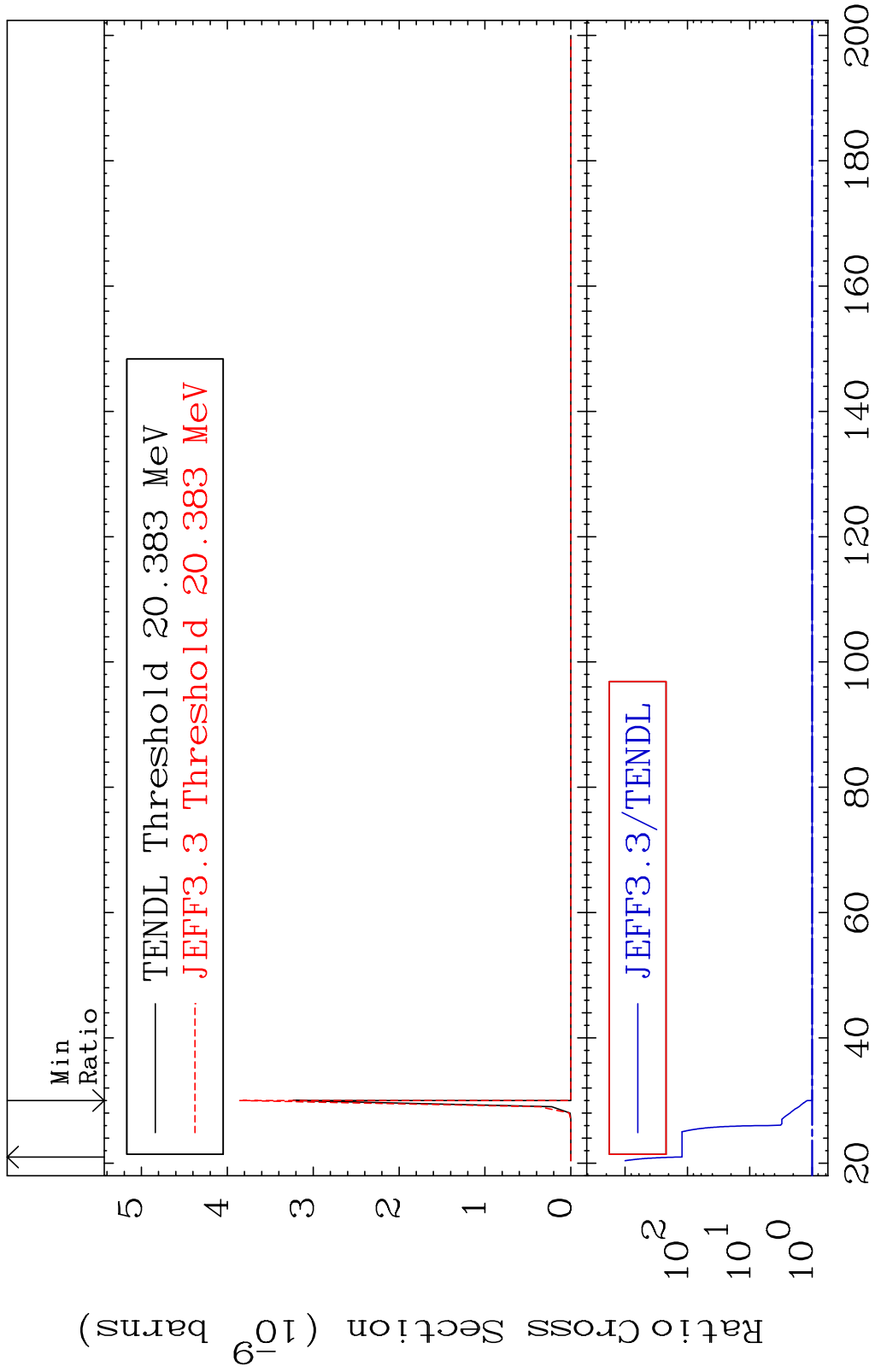
MAT 3043 (n,3n) p 30-Zn-70  
 Cross Section -100.0 To 9999. %



MAT 3043 (n,2n) p 30-Zn-70  
Cross Section 0.000 To 6964. %



MAT 3043 (n,n') p  $\alpha$  30-Zn-70  
 Cross Section 0.000 To 9999. %

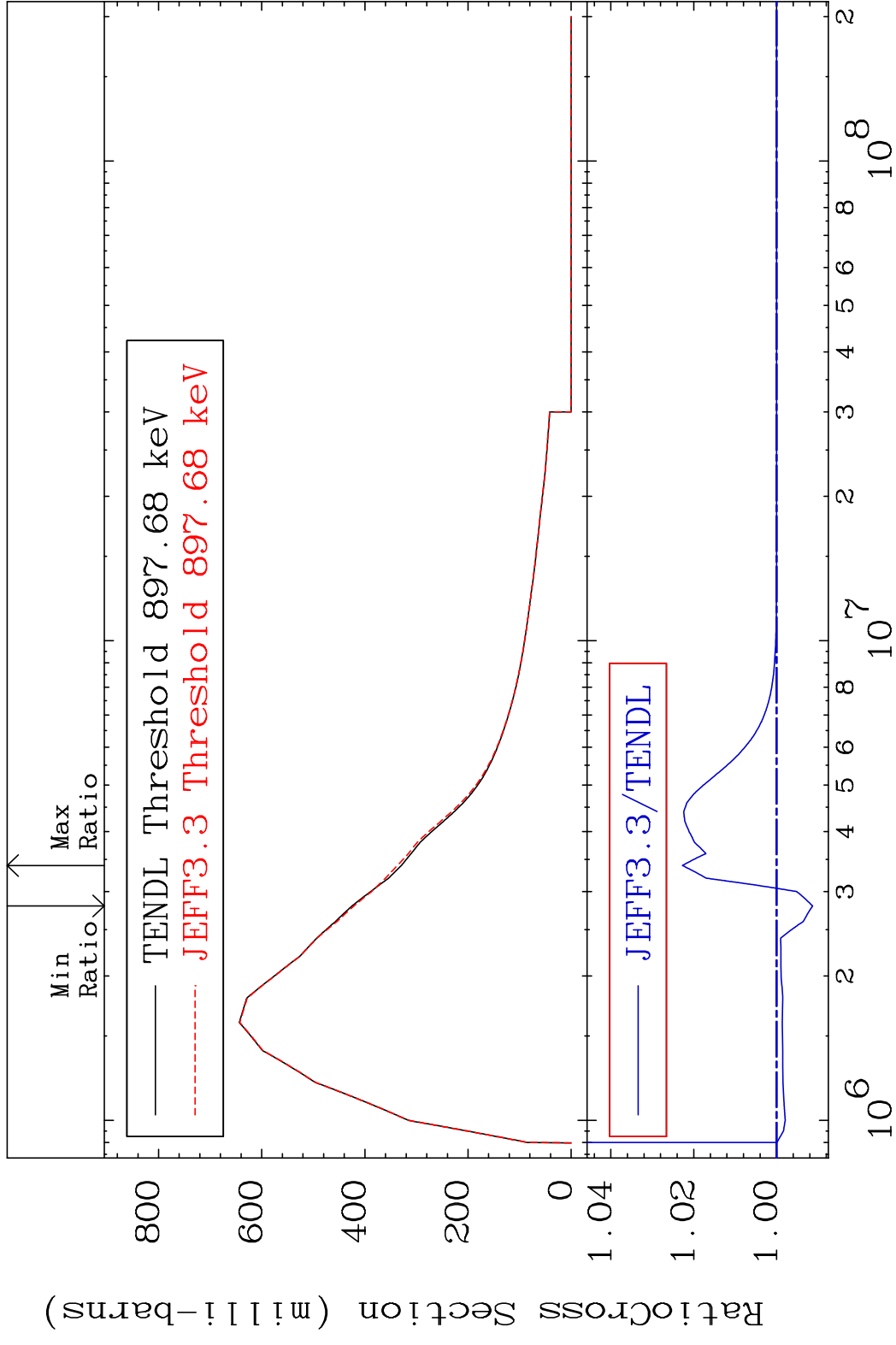


MAT 3043

MT= 51 (n, n') Level

30-Zn-70

Cross Section -0.8667 To 2.275 %

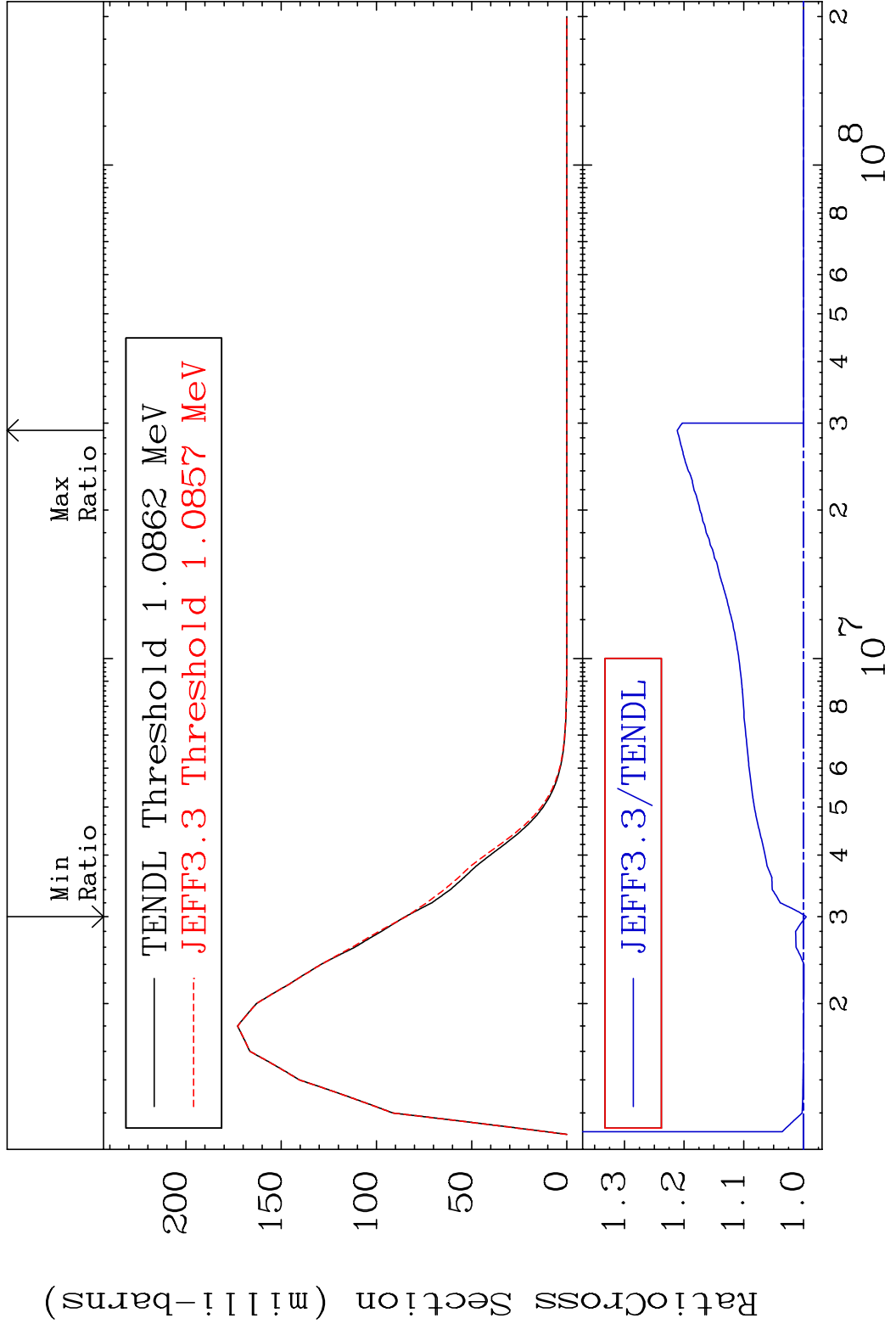


19

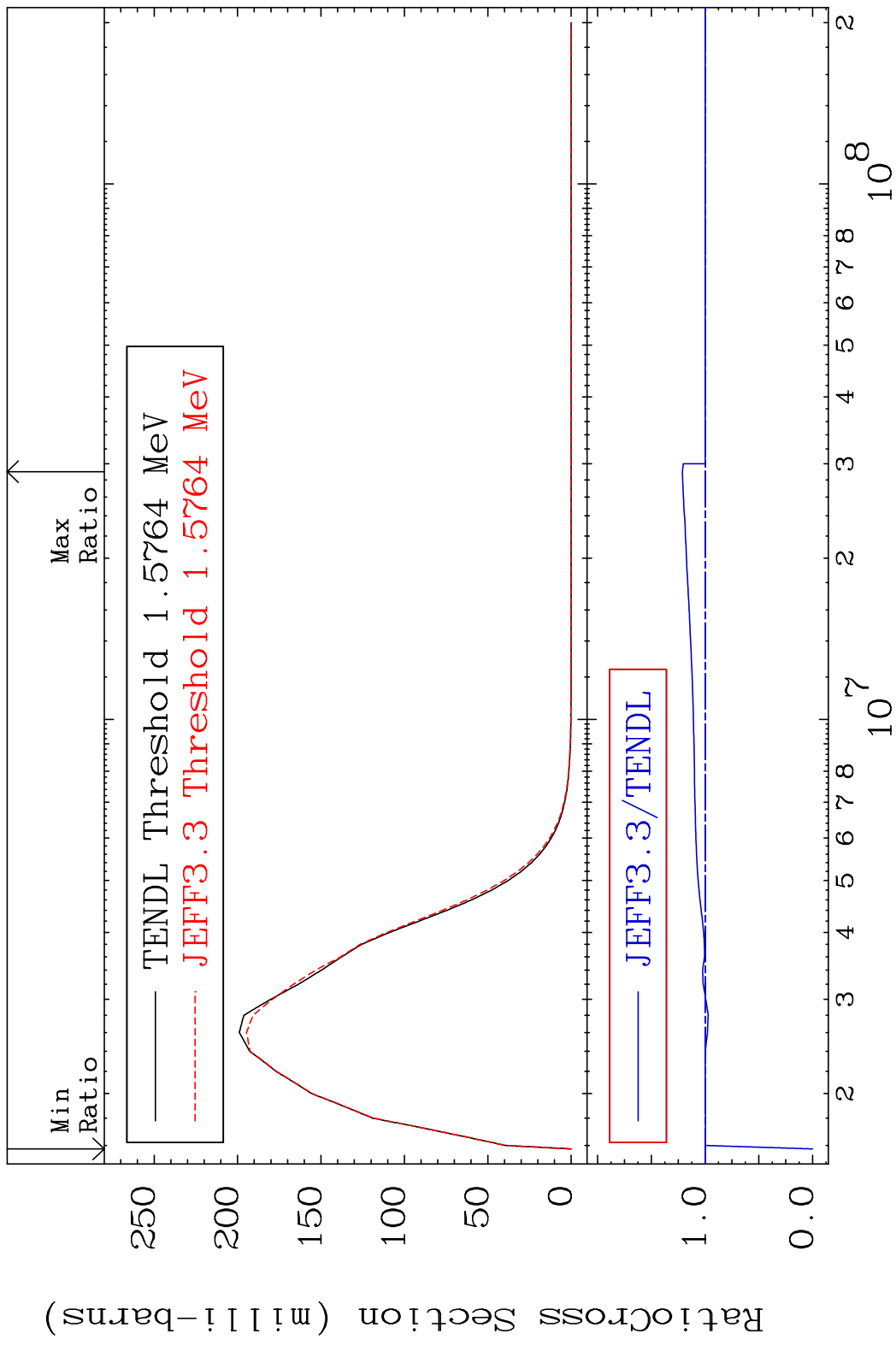
Incident Energy (eV)

30-Zn-70

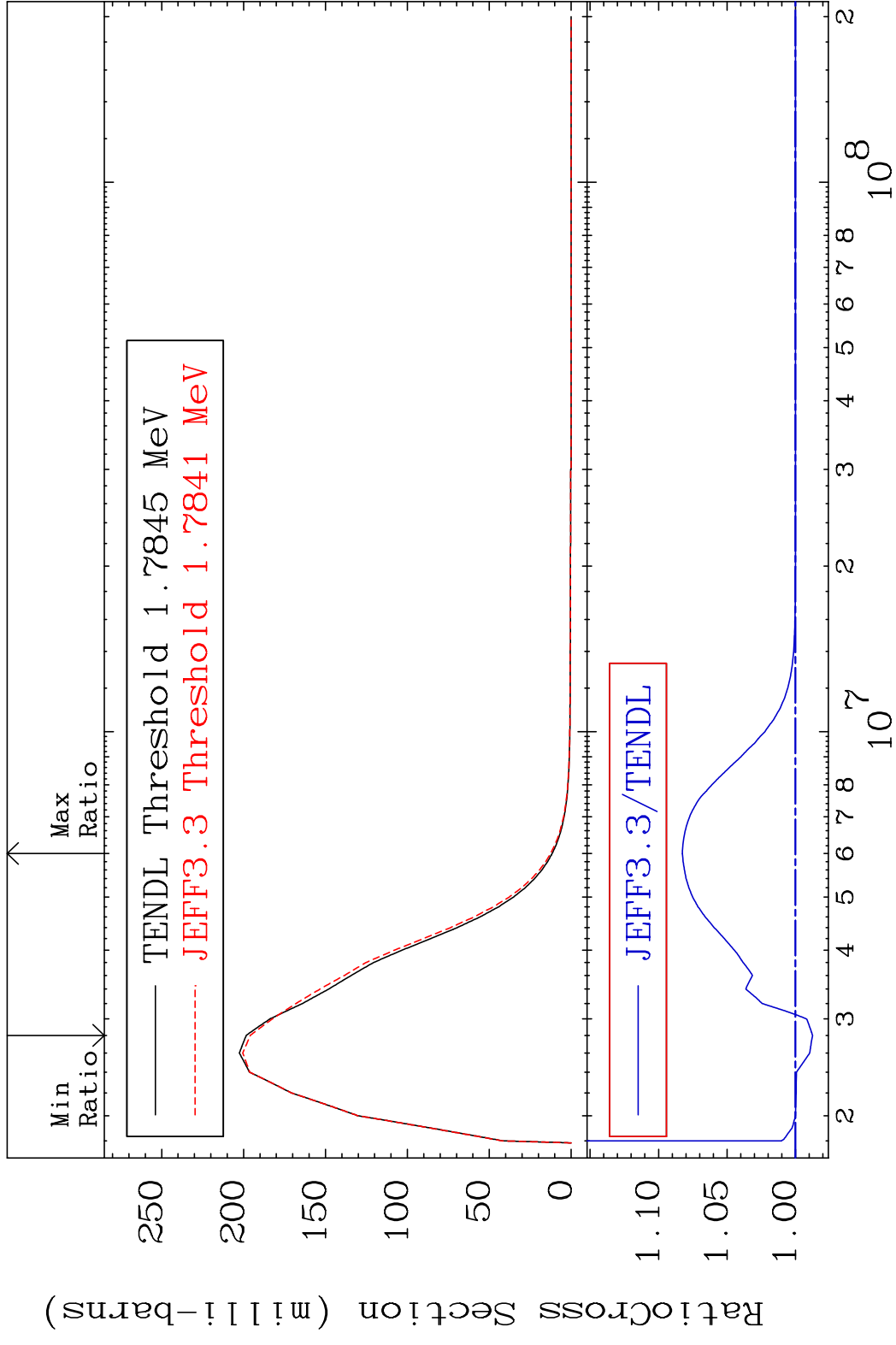
MAT 3043 MT= 52 (n, n') Level 30-Zn-70  
 Cross Section -0.494 To 21.16 %



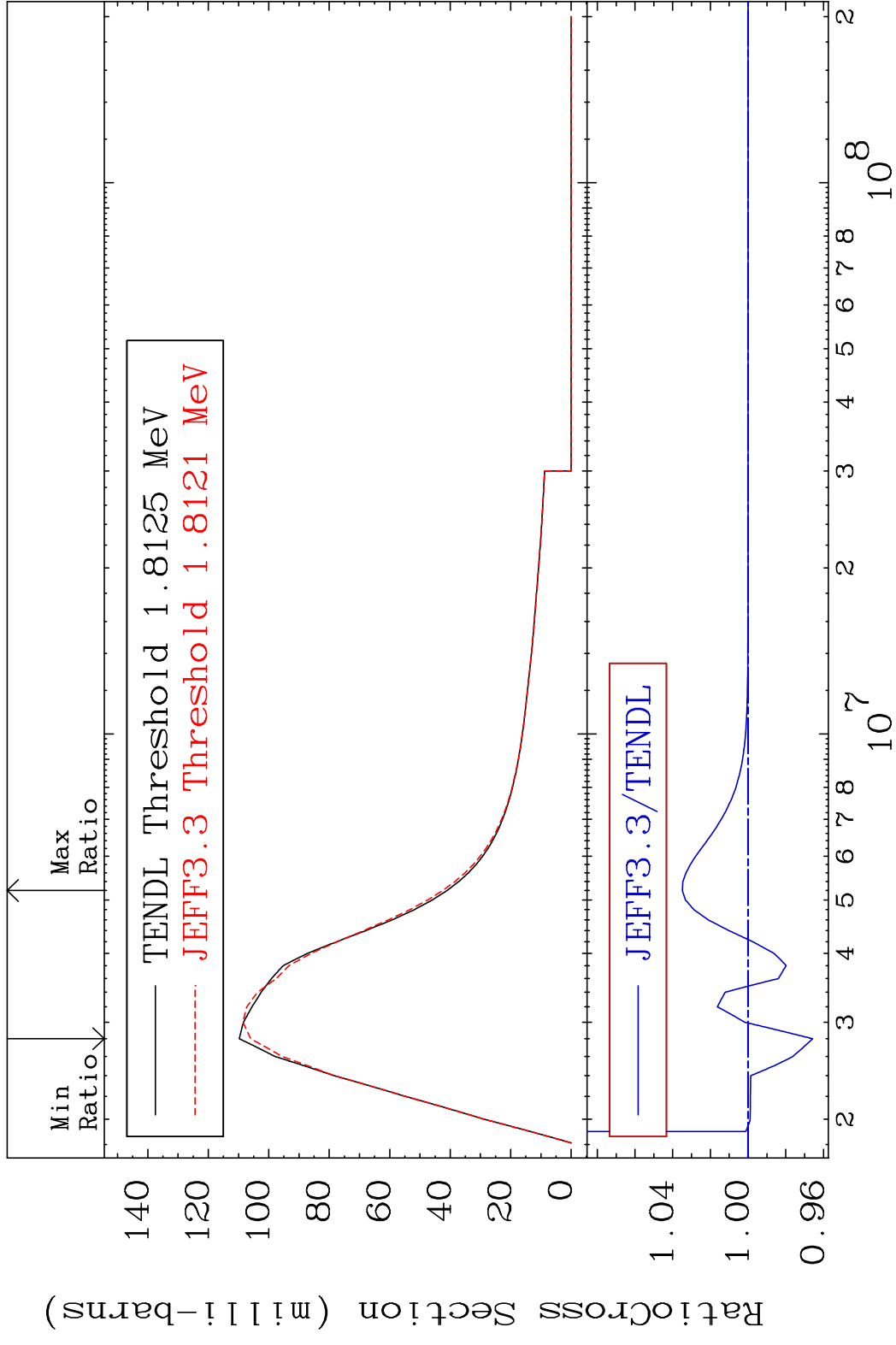
MAT 3043 MT= 53 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 21.17 %



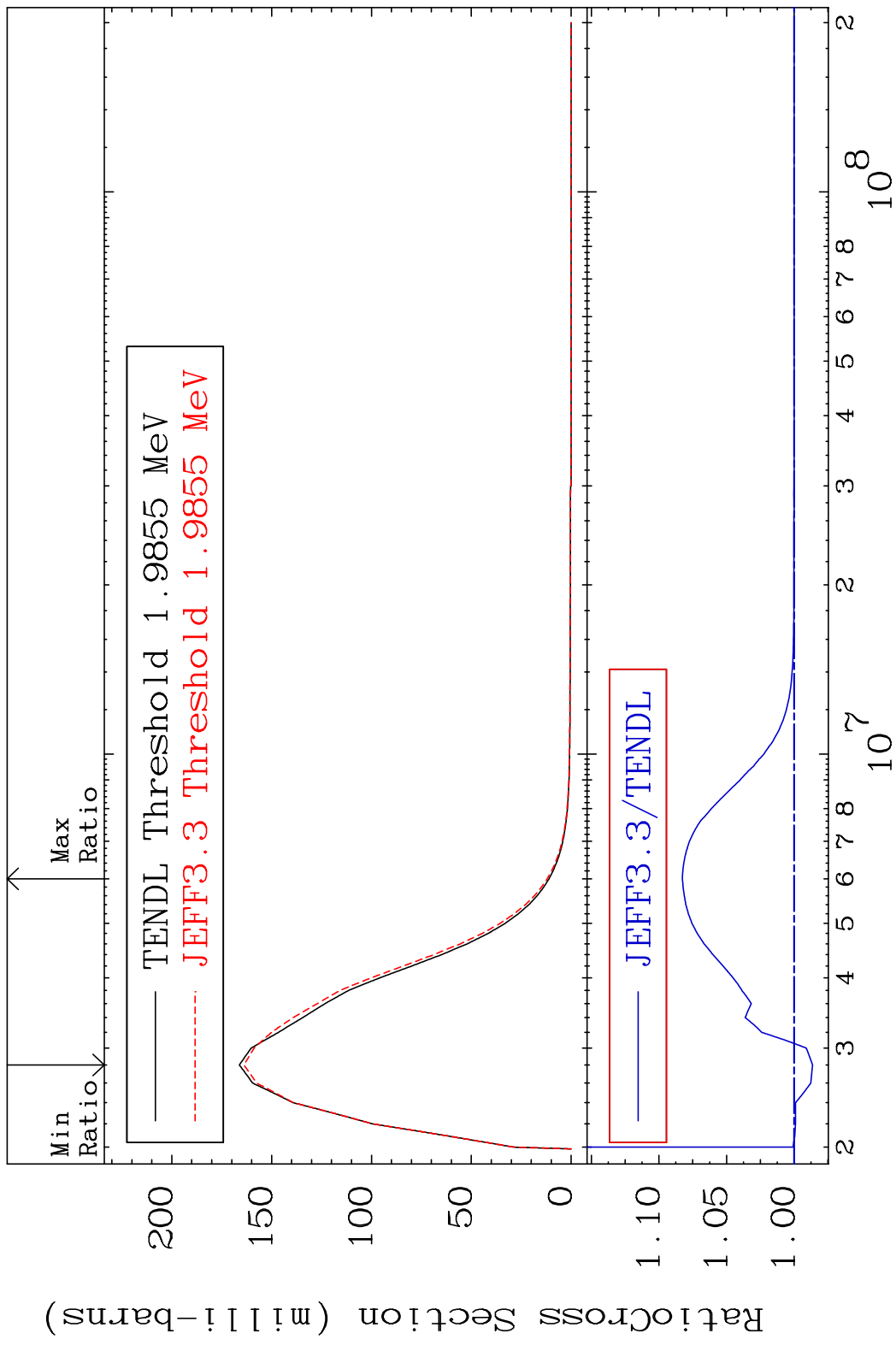
MAT 3043 MT= 54 (n, n') Level 30-Zn-70  
 Cross Section -1.249 To 8.262 %



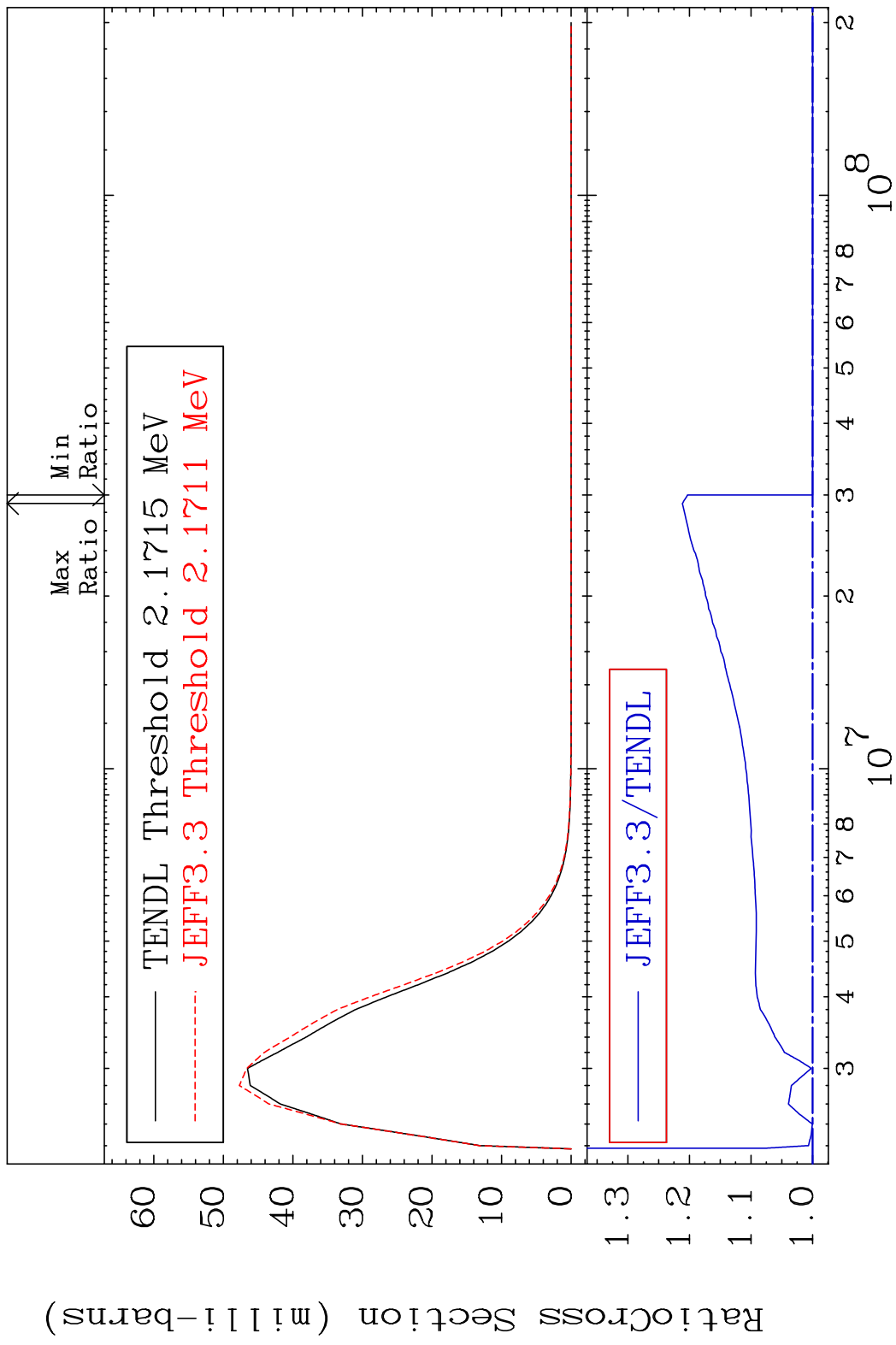
MAT 3043 MT= 55 (n,n') Level 30-Zn-70  
 Cross Section -3.421 To 3.487 %



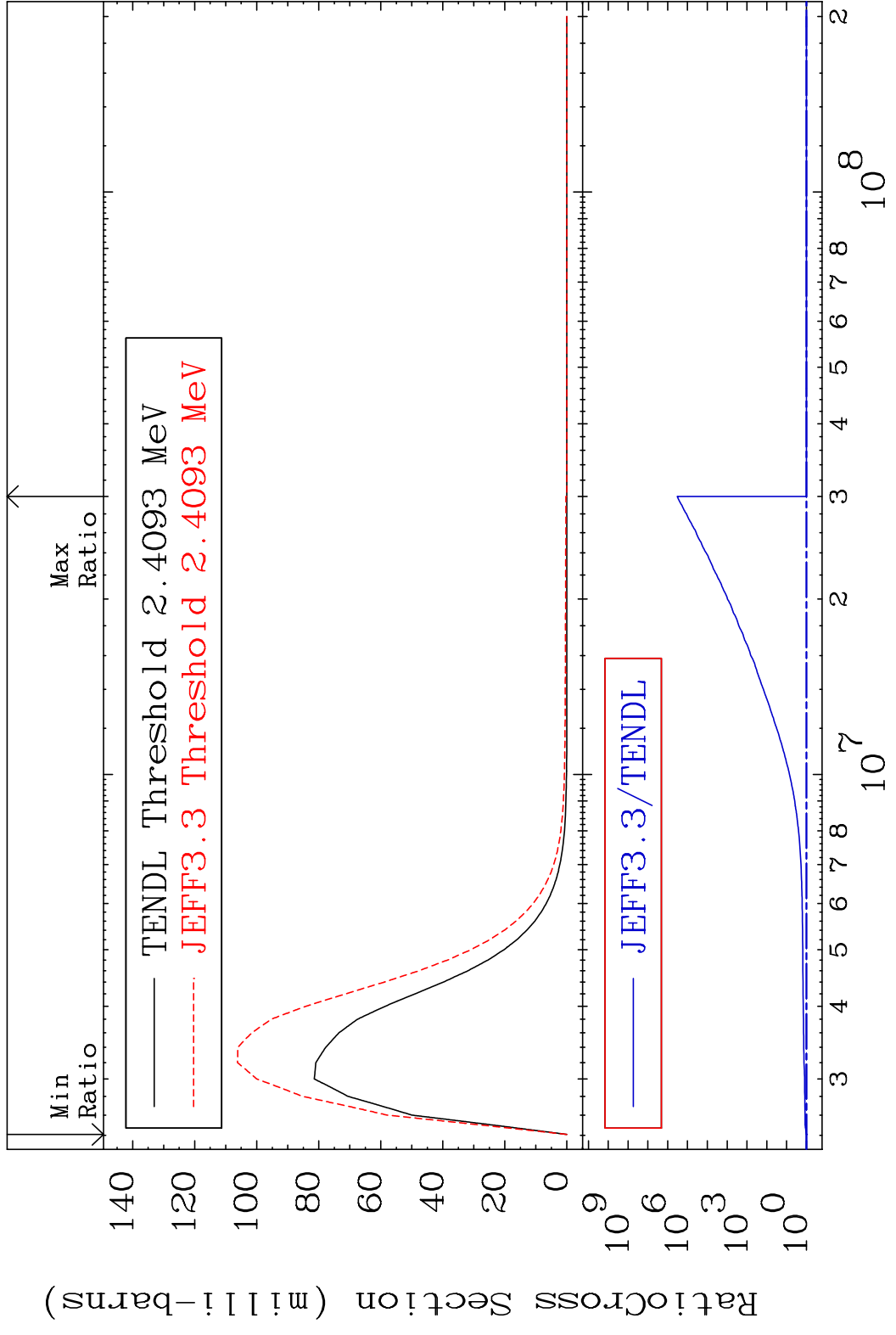
MAT 3043 MT= 56 (n, n') Level 30-Zn-70  
 Cross Section -1.373 To 8.271 %



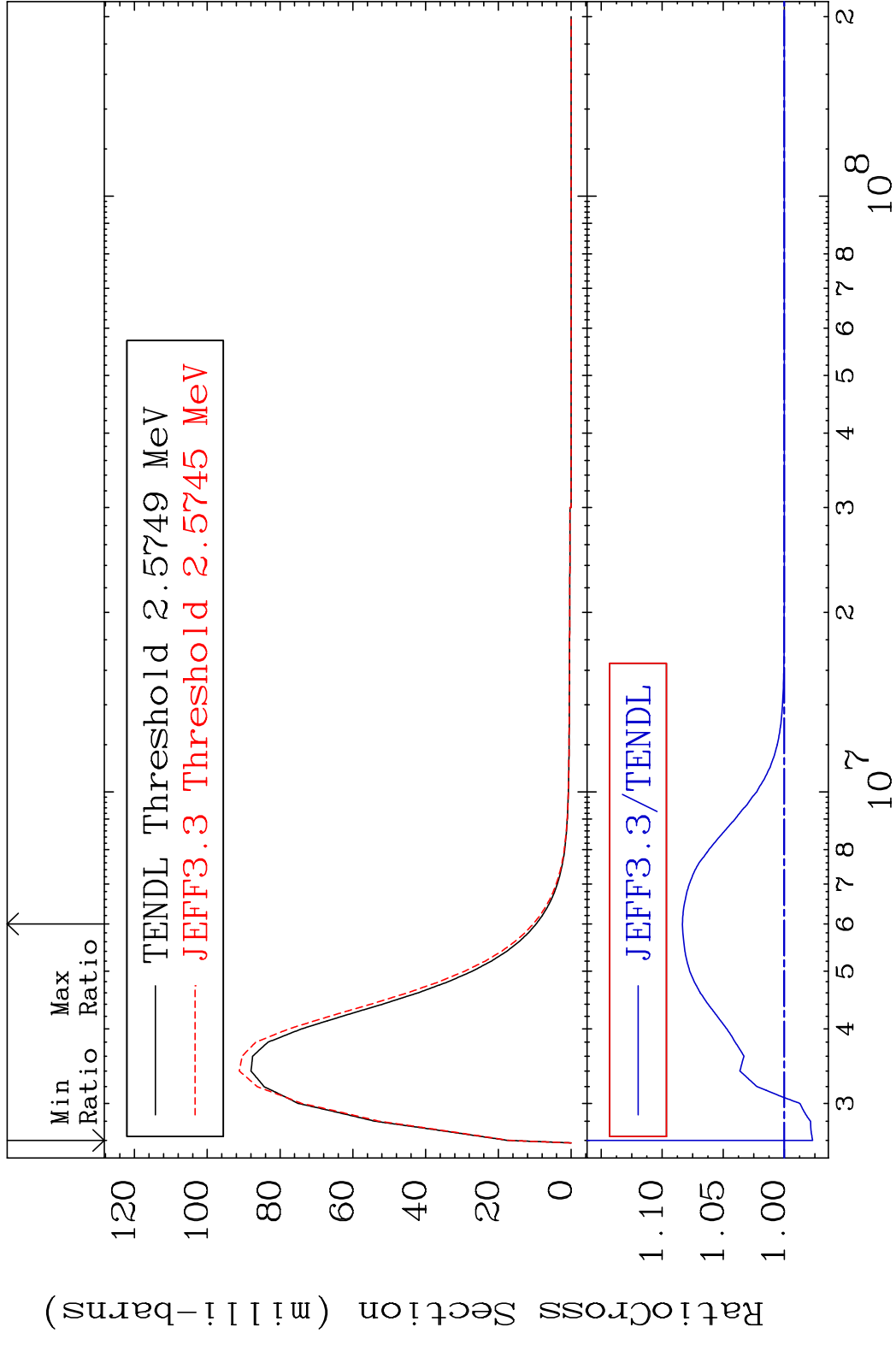
MAT 3043 MT= 57 (n, n') Level 30-Zn-70  
 Cross Section 0.000 To 21.15 %



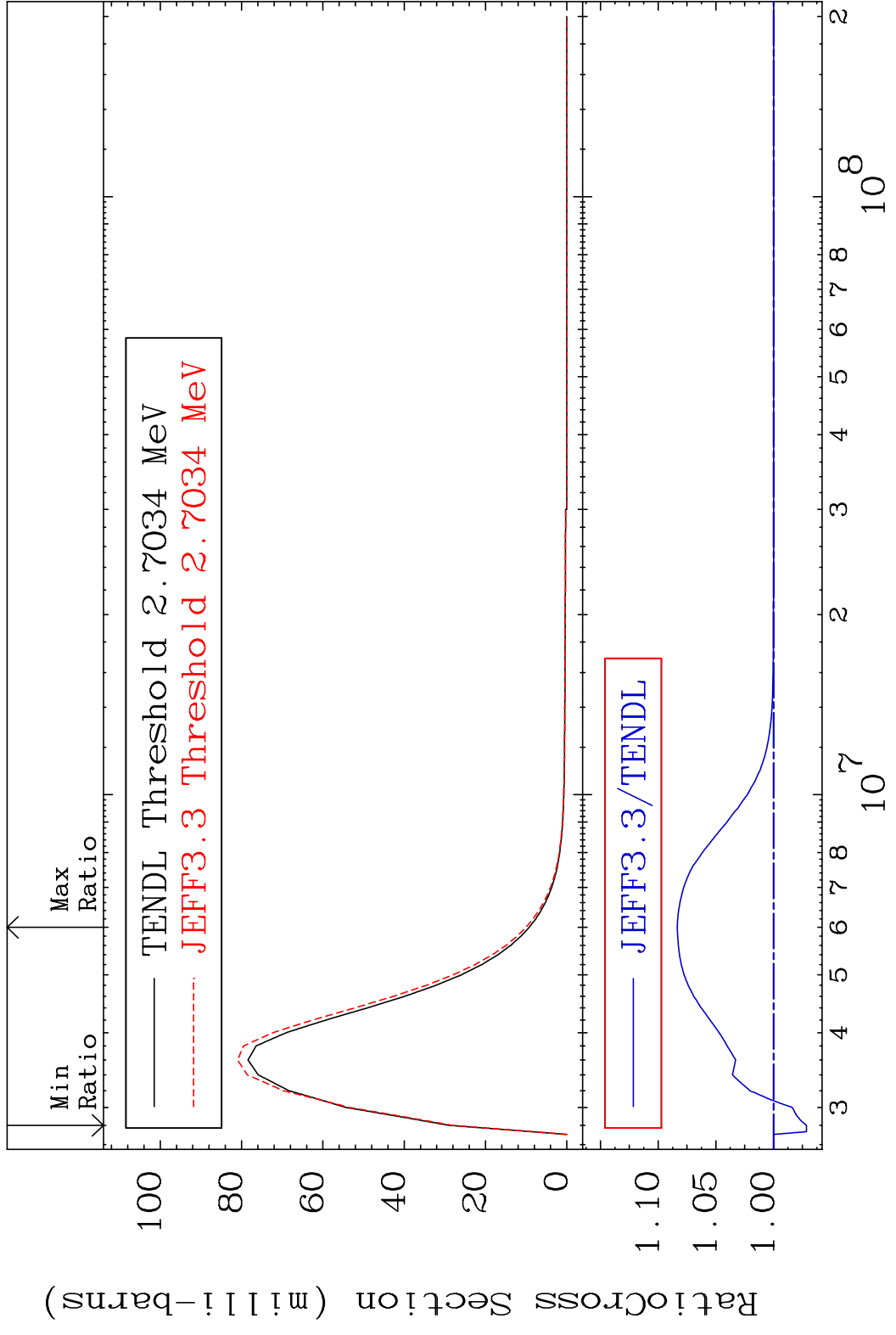
MAT 3043 MT= 58 (n, n') Level 30-Zn-70  
 Cross Section 0.000 To 9999. %



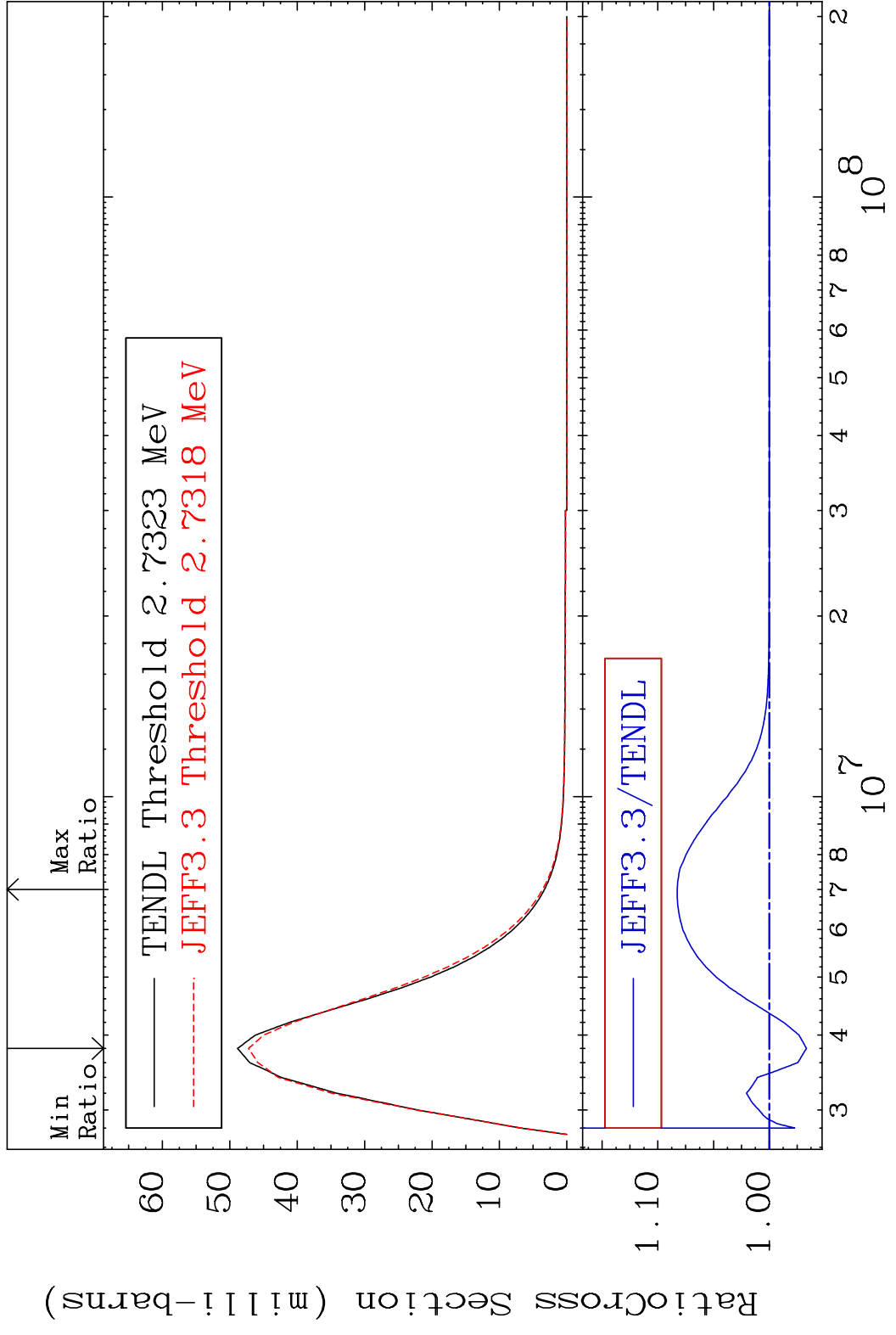
MAT 3043 MT= 59 (n, n') Level 30-Zn-70  
 Cross Section -2.317 To 8.348 %



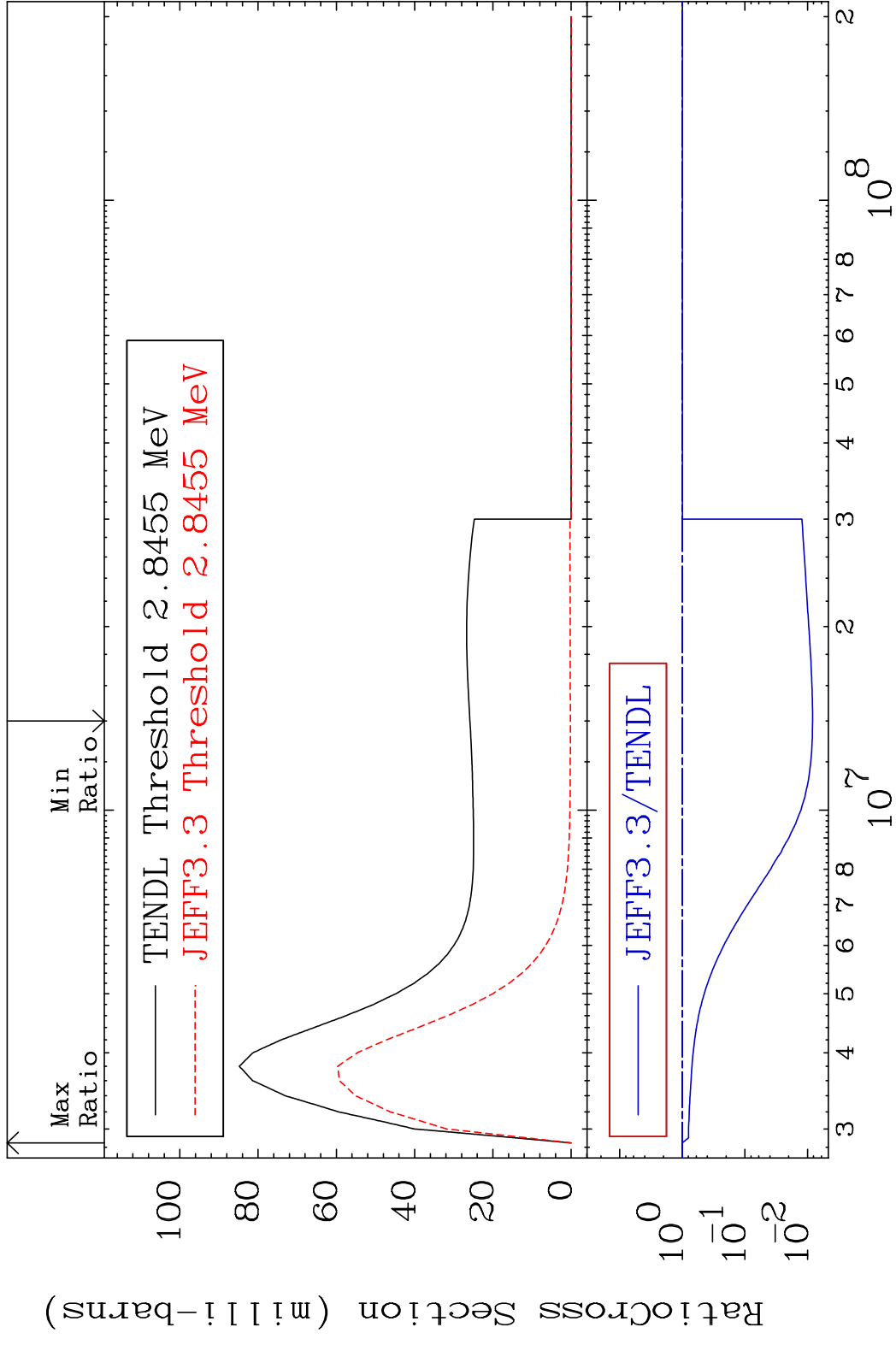
MAT 3043 MT= 60 (n, n') Level 30-Zn-70  
 Cross Section -2.849 To 8.352 %



MAT 3043 MT= 61 (n, n') Level 30-Zn-70  
 Cross Section -3.333 To 8.264 %

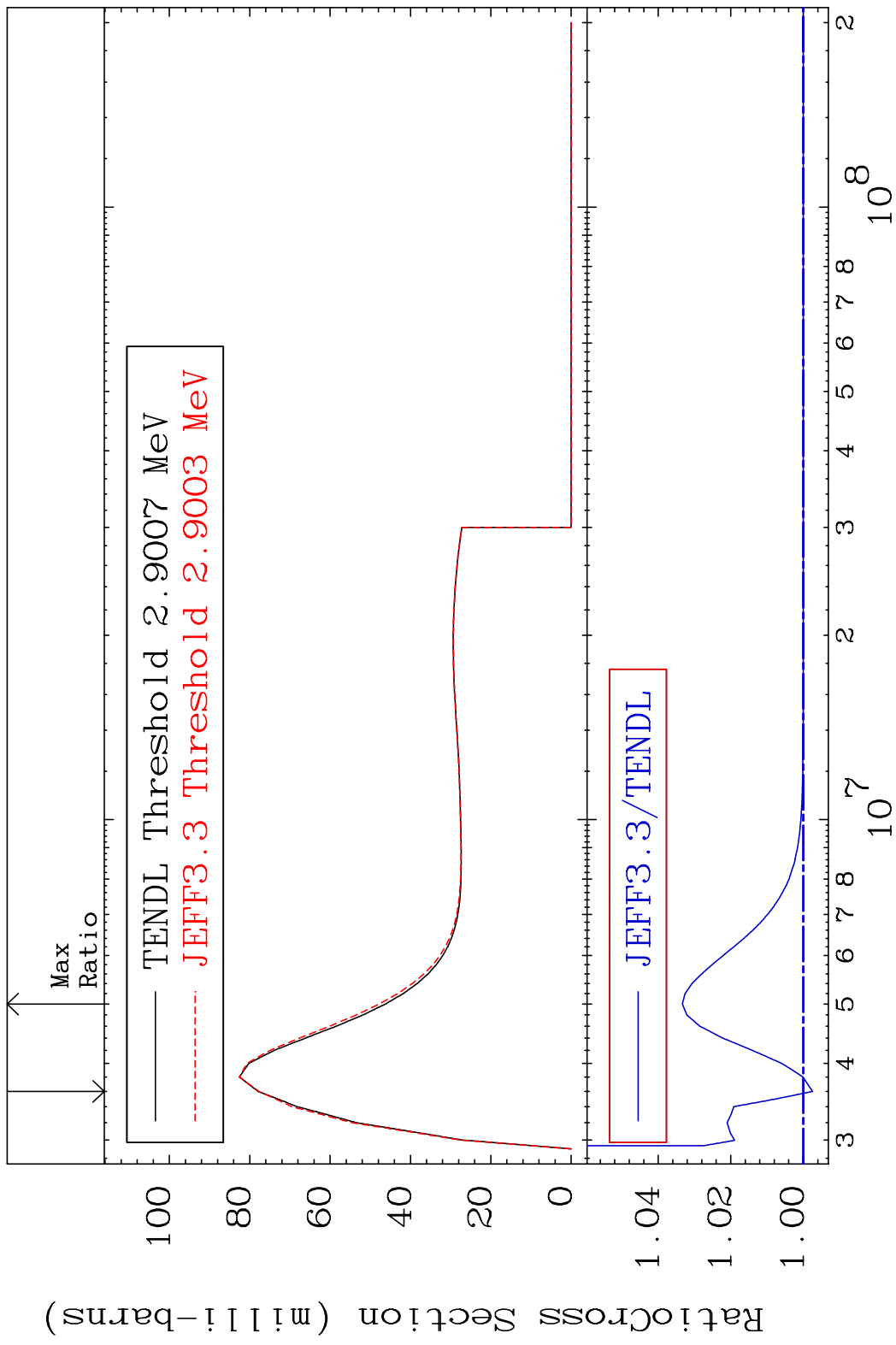


MAT 3043 MT= 62 (n, n') Level 30-Zn-70  
 Cross Section -99.17 To 0.000 %

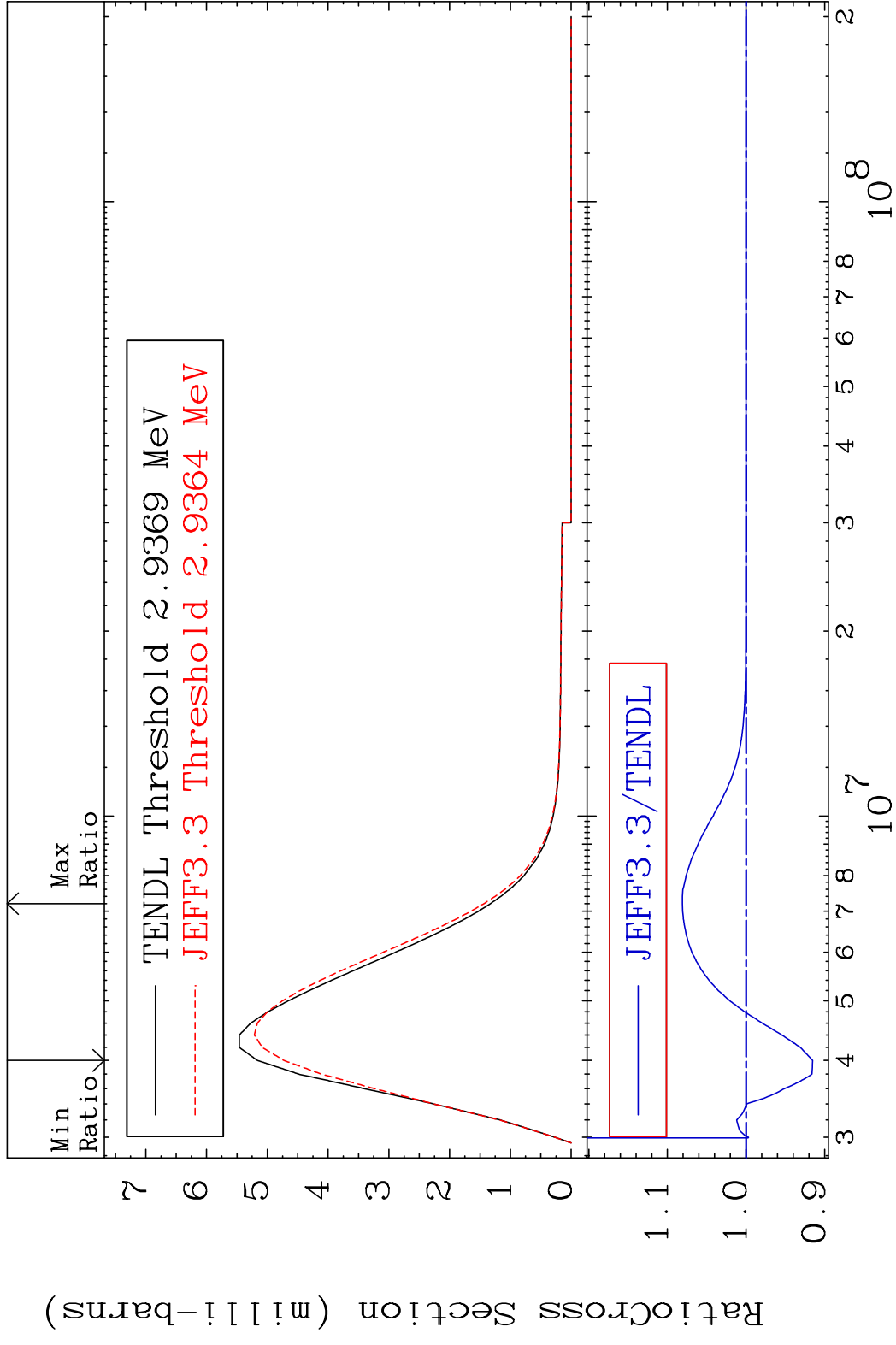


30 Incident Energy (eV) 30-Zn-70

MAT 3043 MT= 63 (n, n') Level 30-Zn-70  
 Cross Section -0.257 To 3.335 %

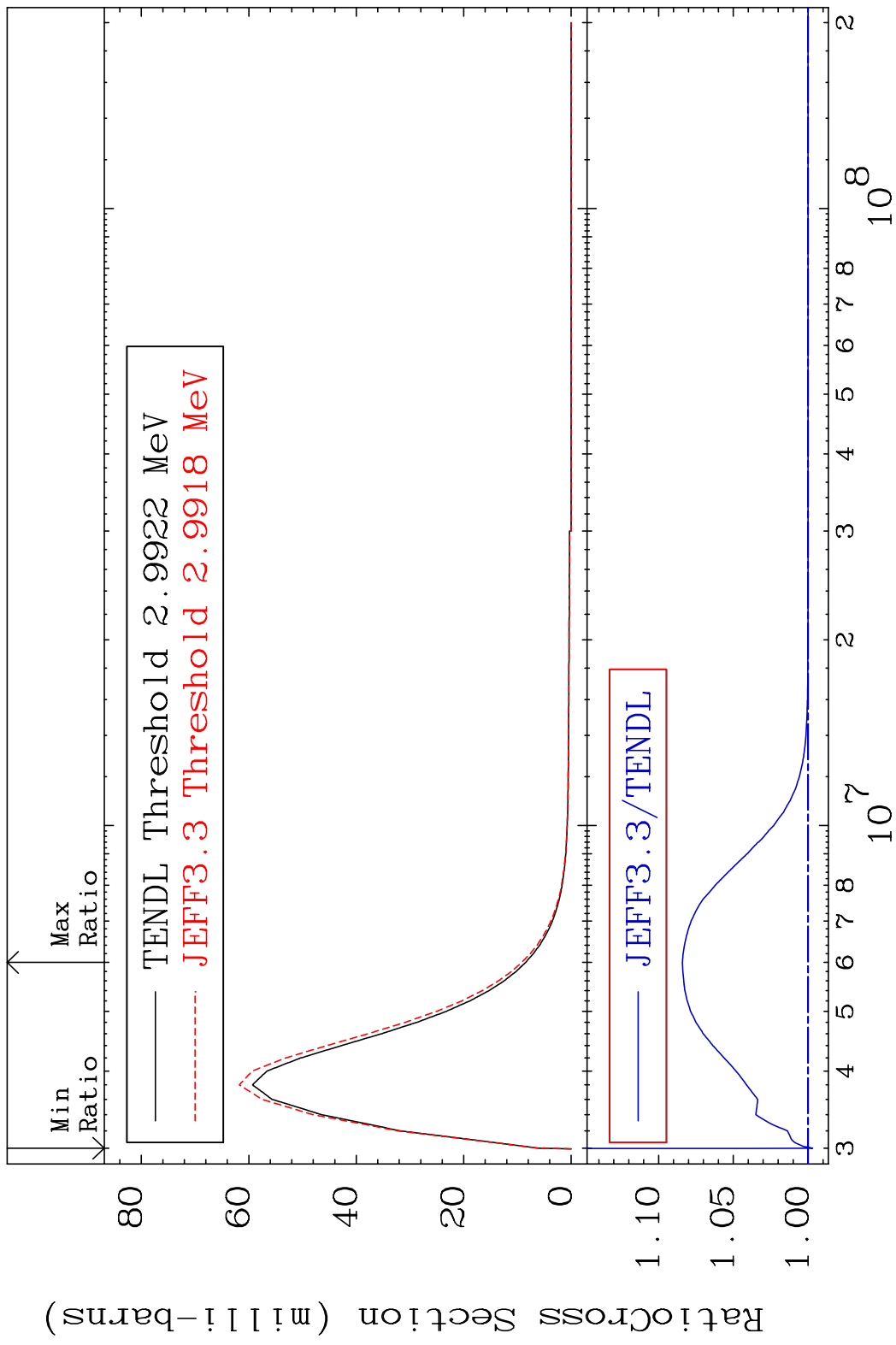


MAT 3043 MT= 64 (n, n') Level 30-Zn-70  
 Cross Section -8.450 To 8.105 %

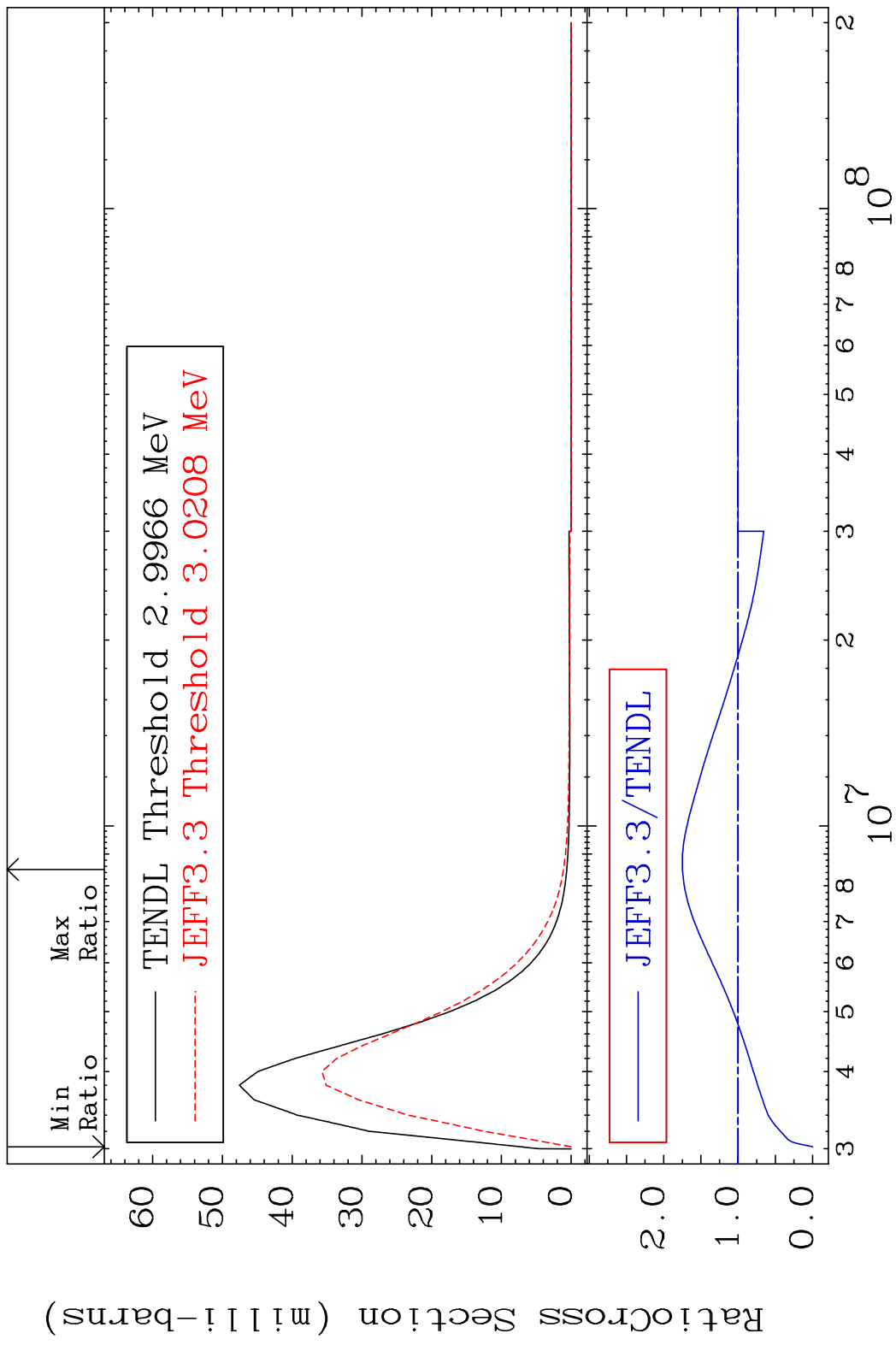


32 Incident Energy (eV) 30-Zn-70

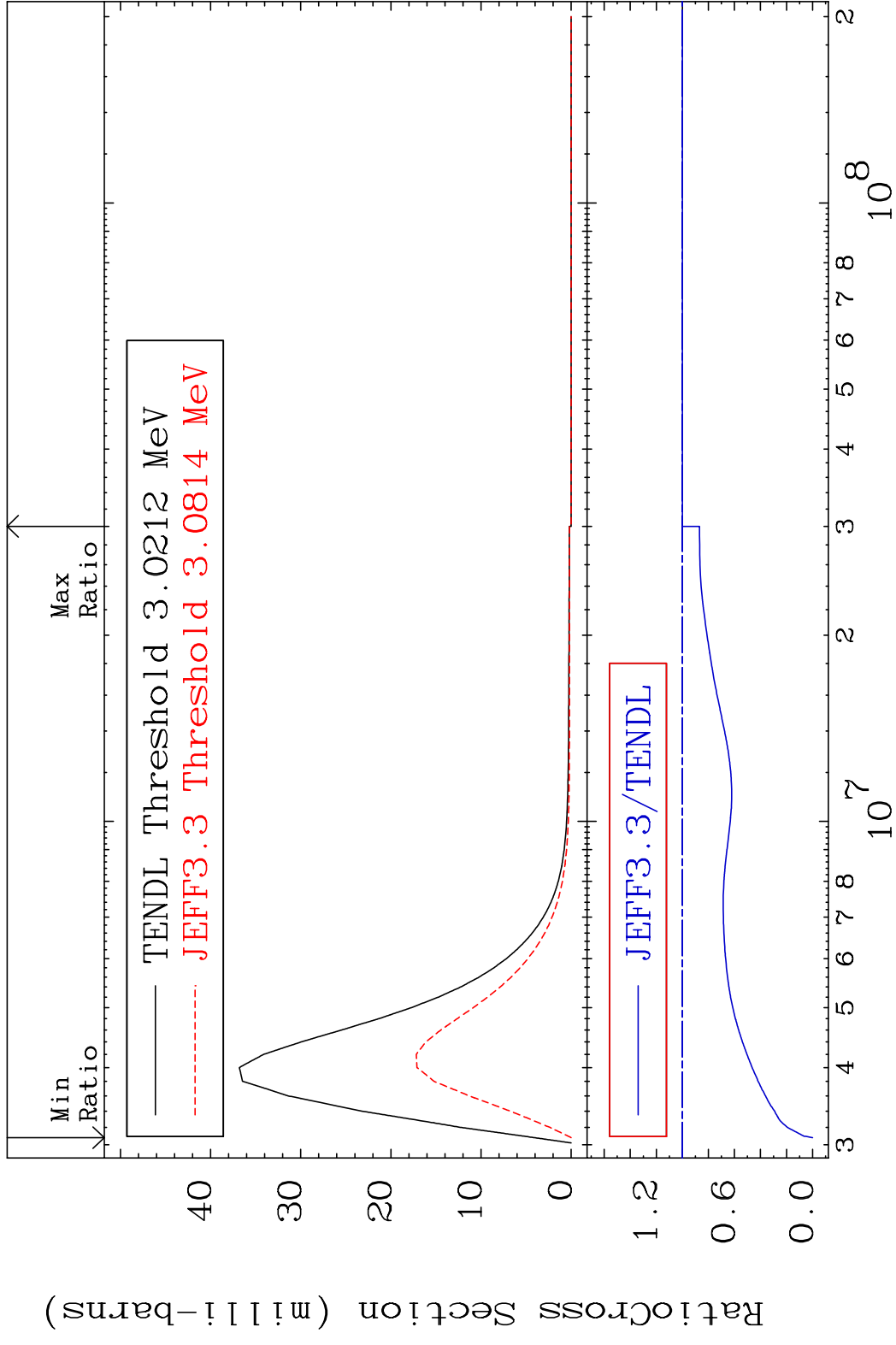
MAT 3043 MT= 65 (n, n') Level 30-Zn-70  
 Cross Section -0.301 To 8.411 %



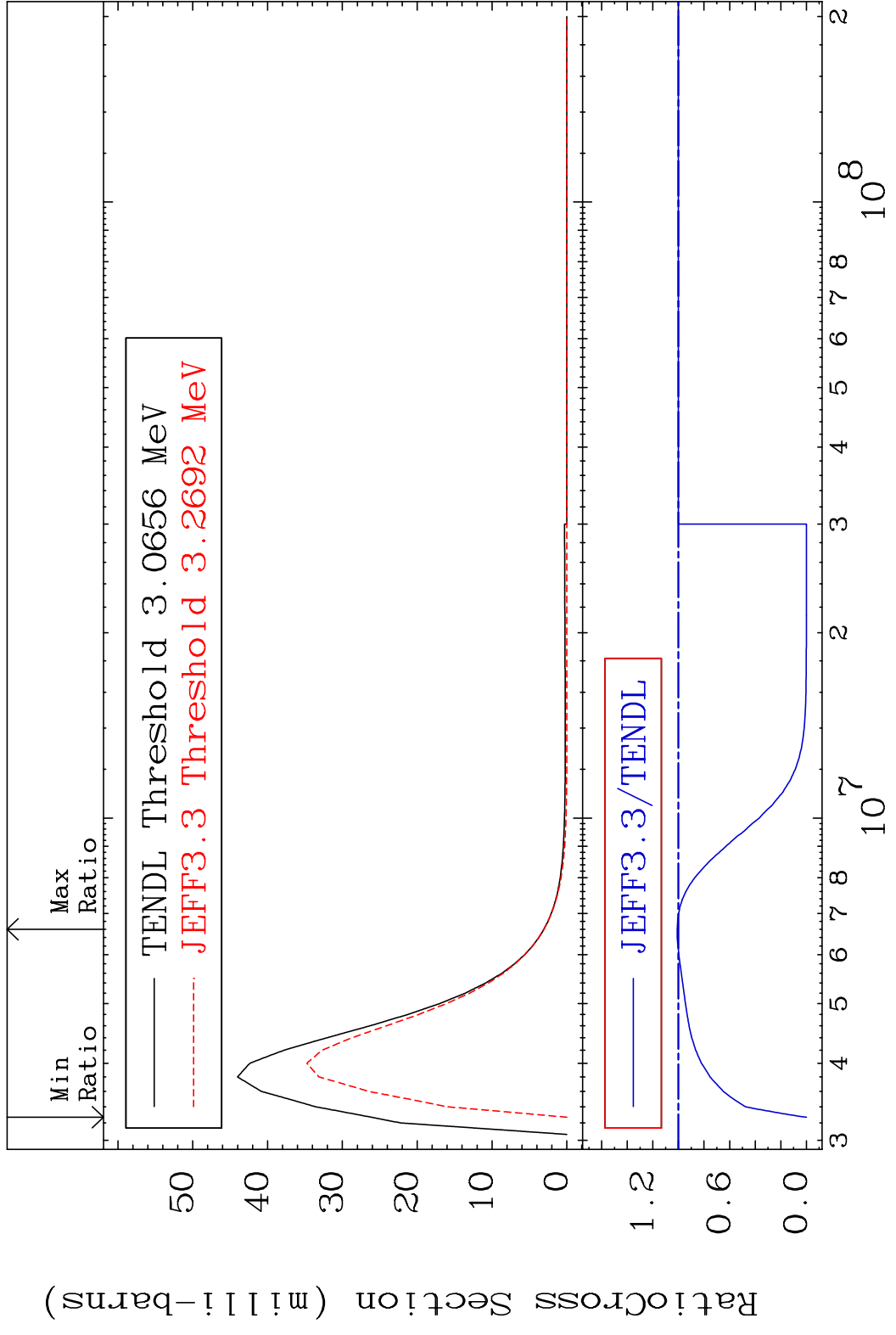
MAT 3043 MT= 66 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 74.93 %



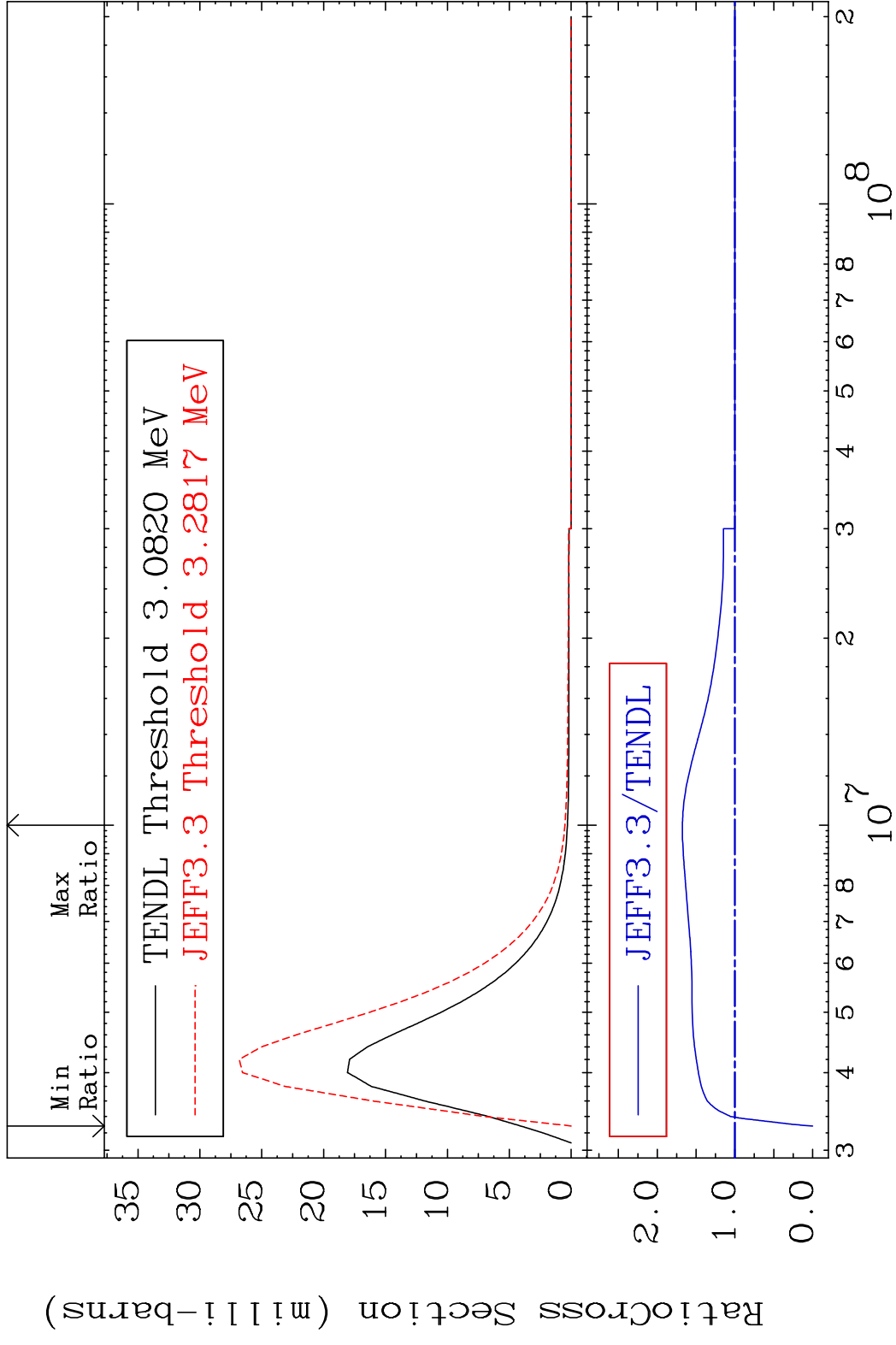
MAT 3043 MT= 67 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 0.000 %



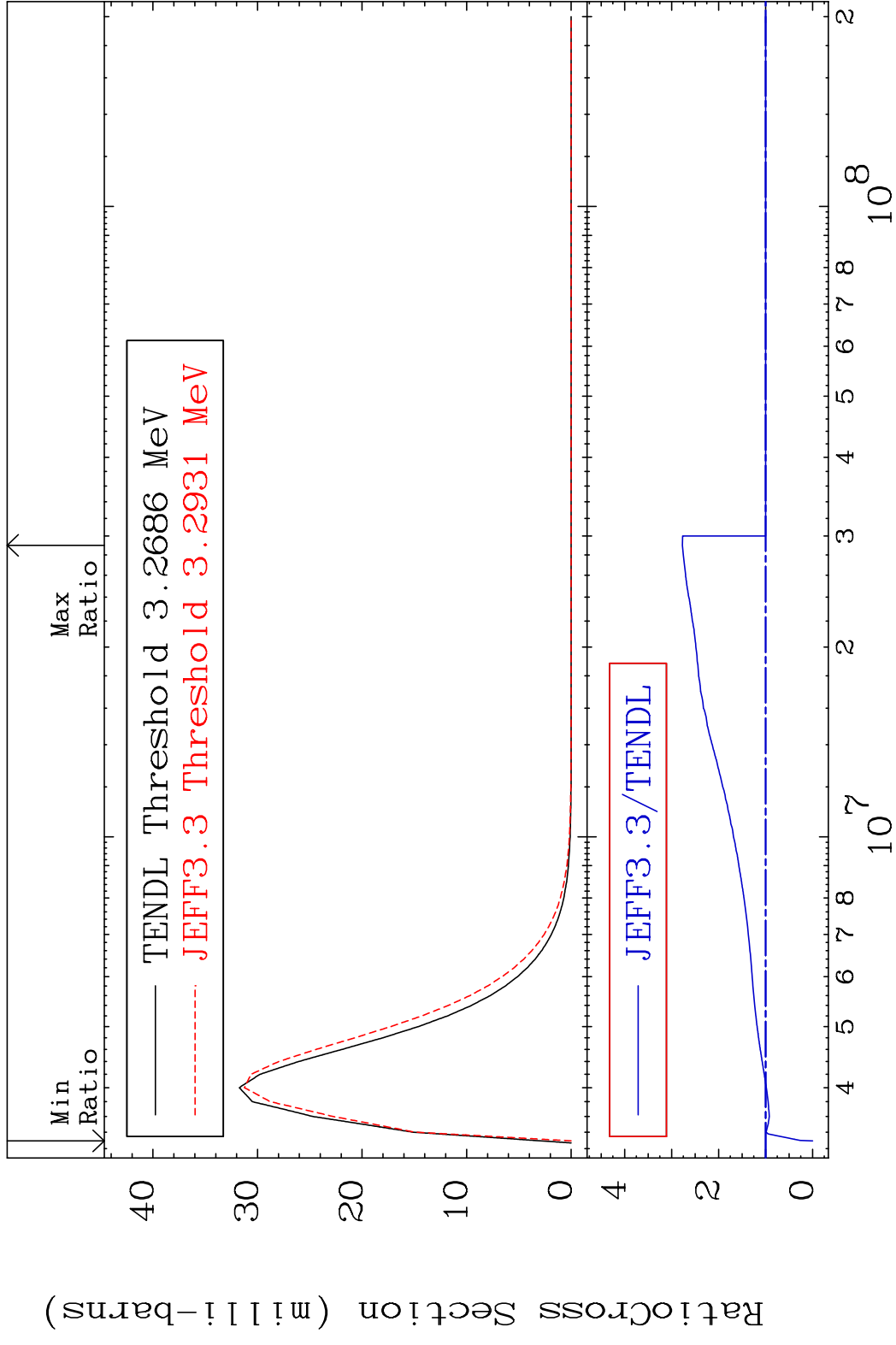
MAT 3043 MT= 68 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 0.975 %



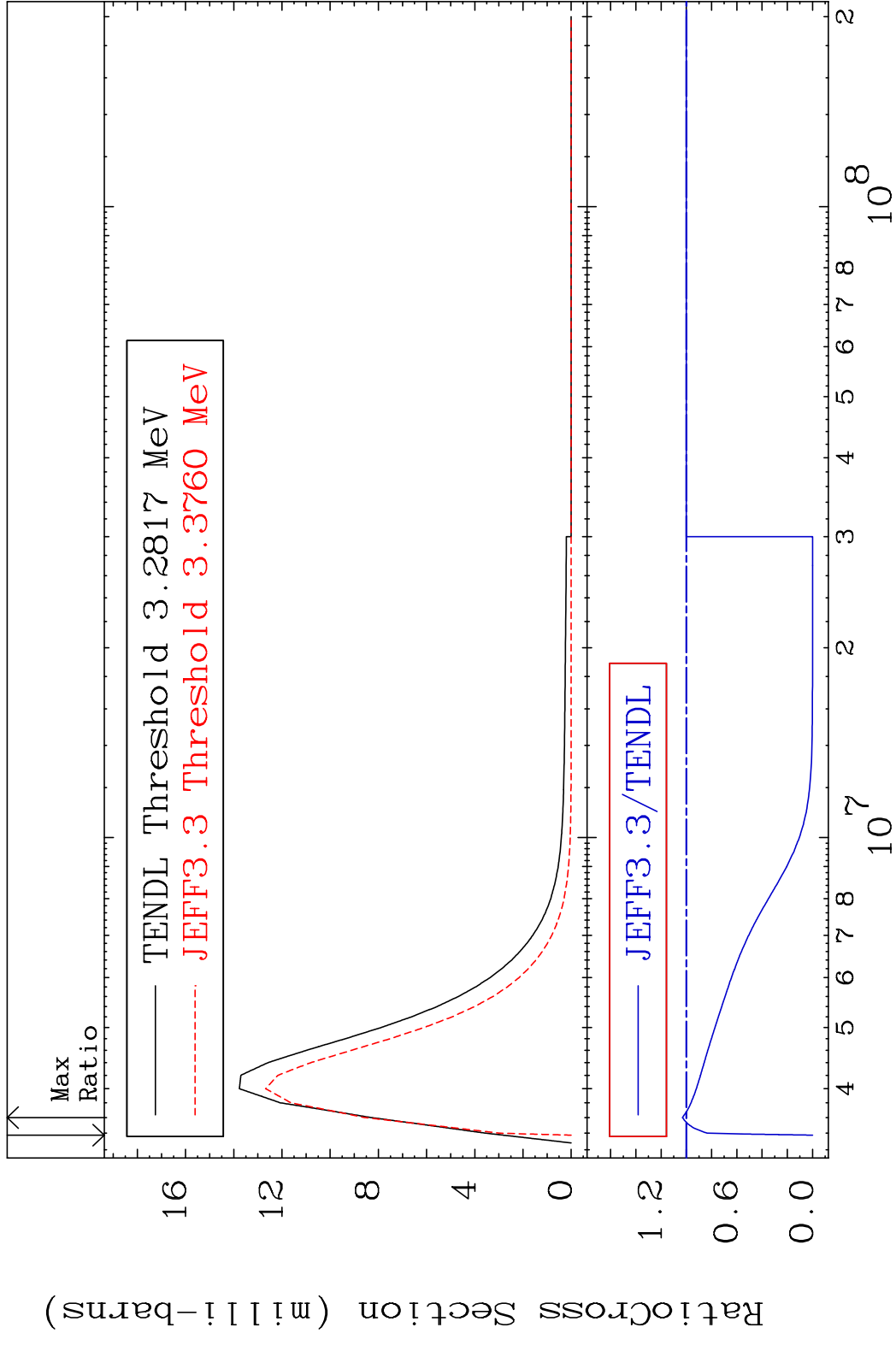
MAT 3043 MT= 69 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 67.65 %



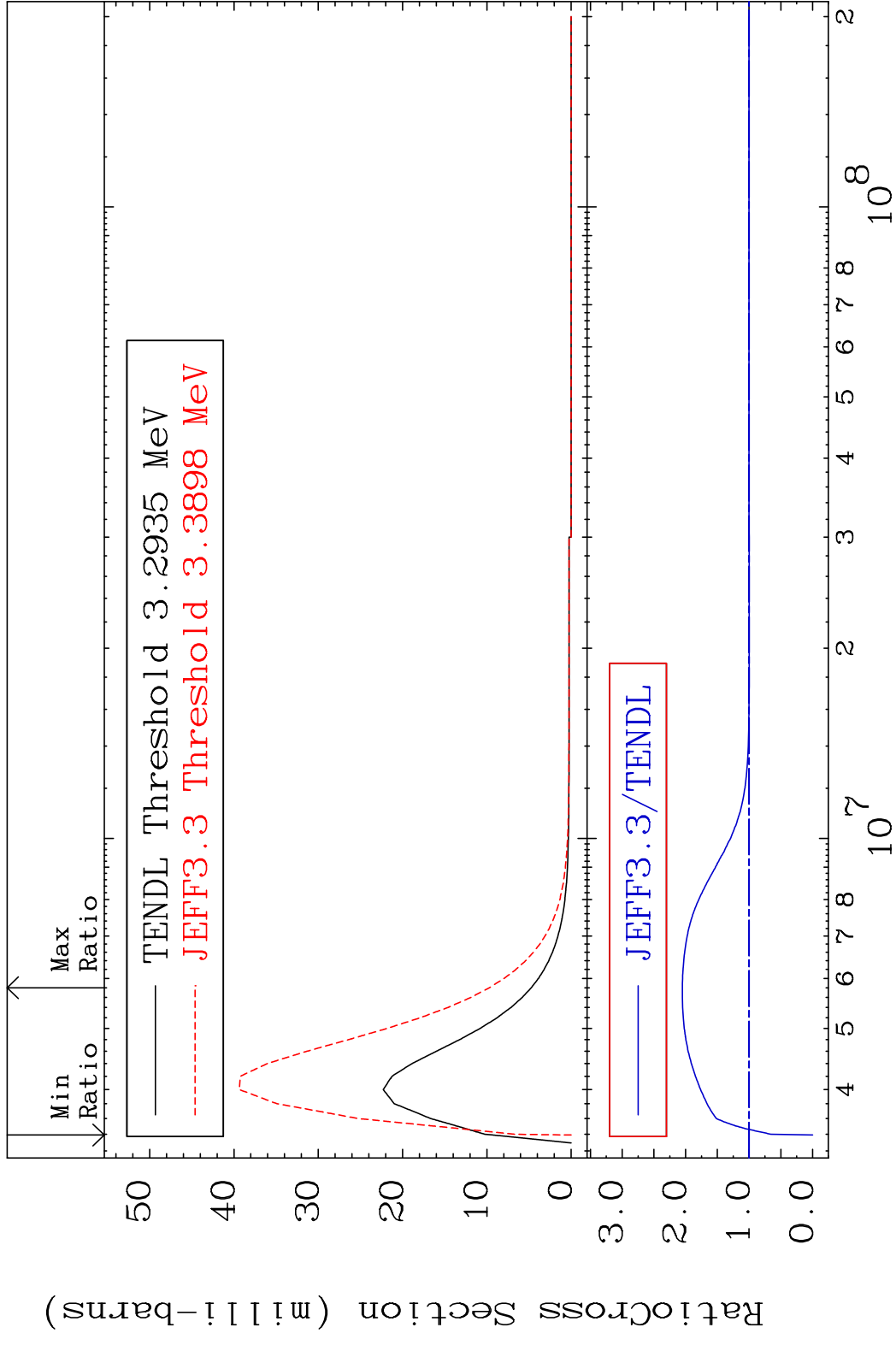
MAT 3043 MT= 70 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 177.1 %



MAT 3043 MT= 71 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 3.168 %



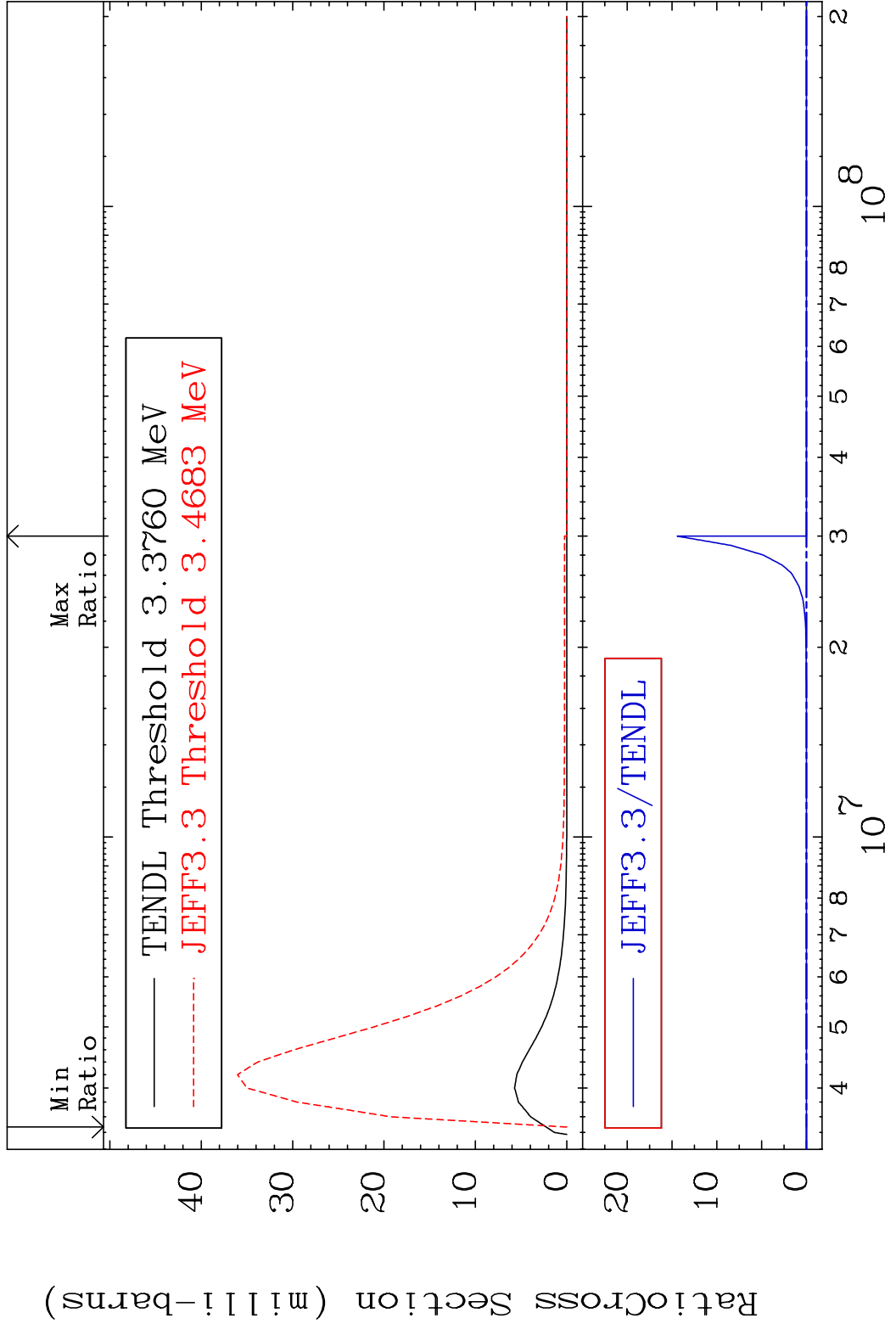
MAT 3043 MT= 72 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 105.2 %



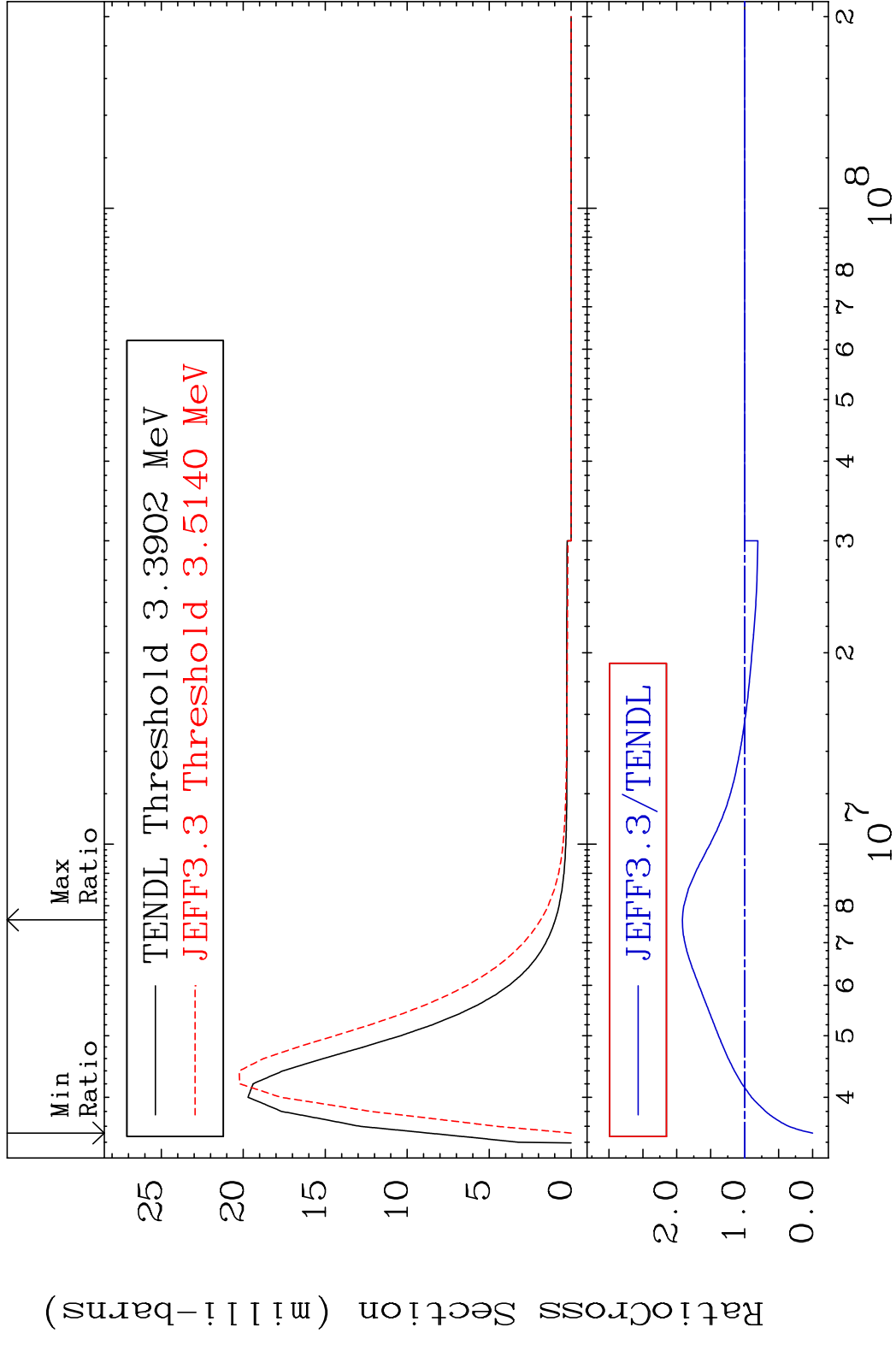
40

40

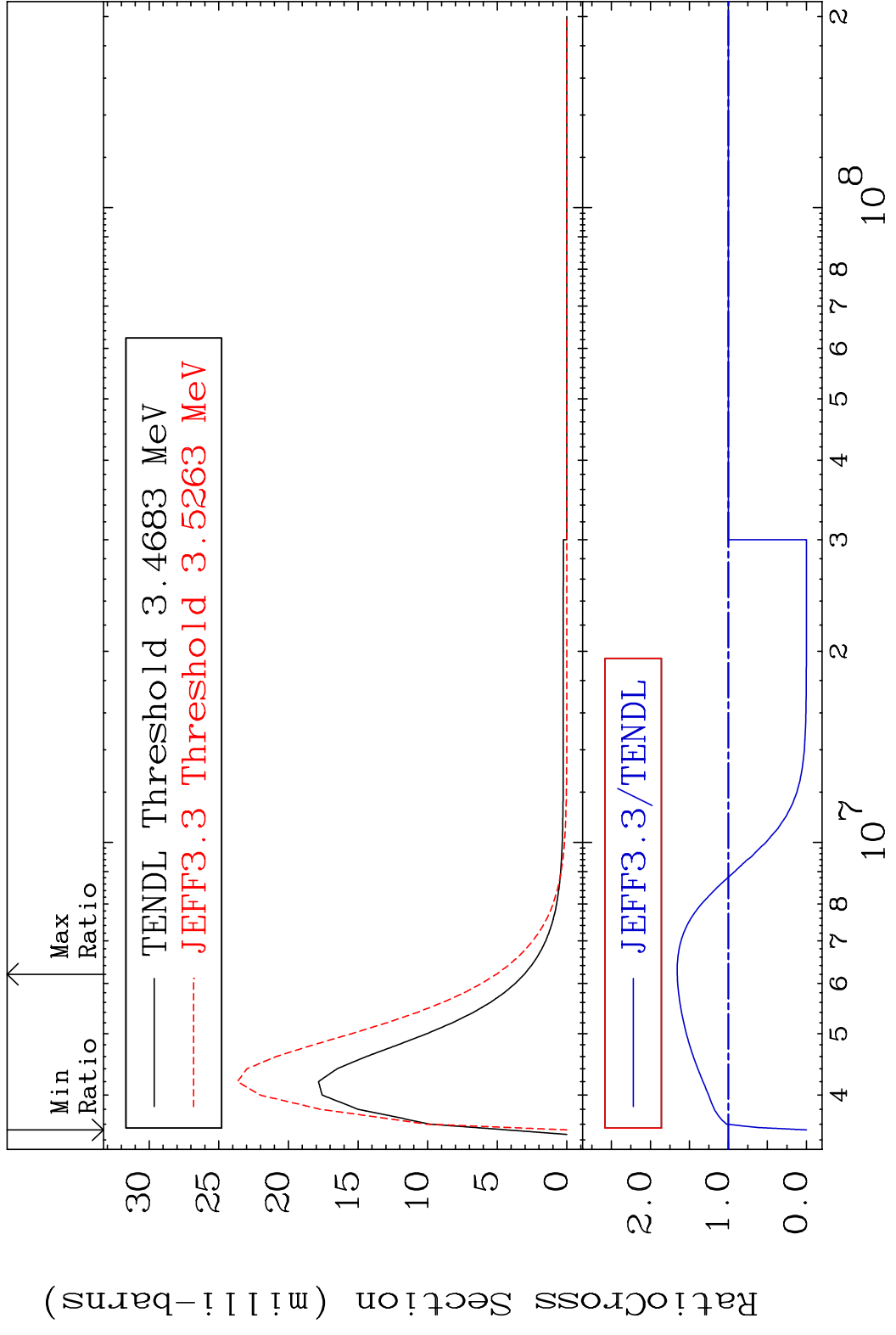
MAT 3043 MT= 73 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 9999. %



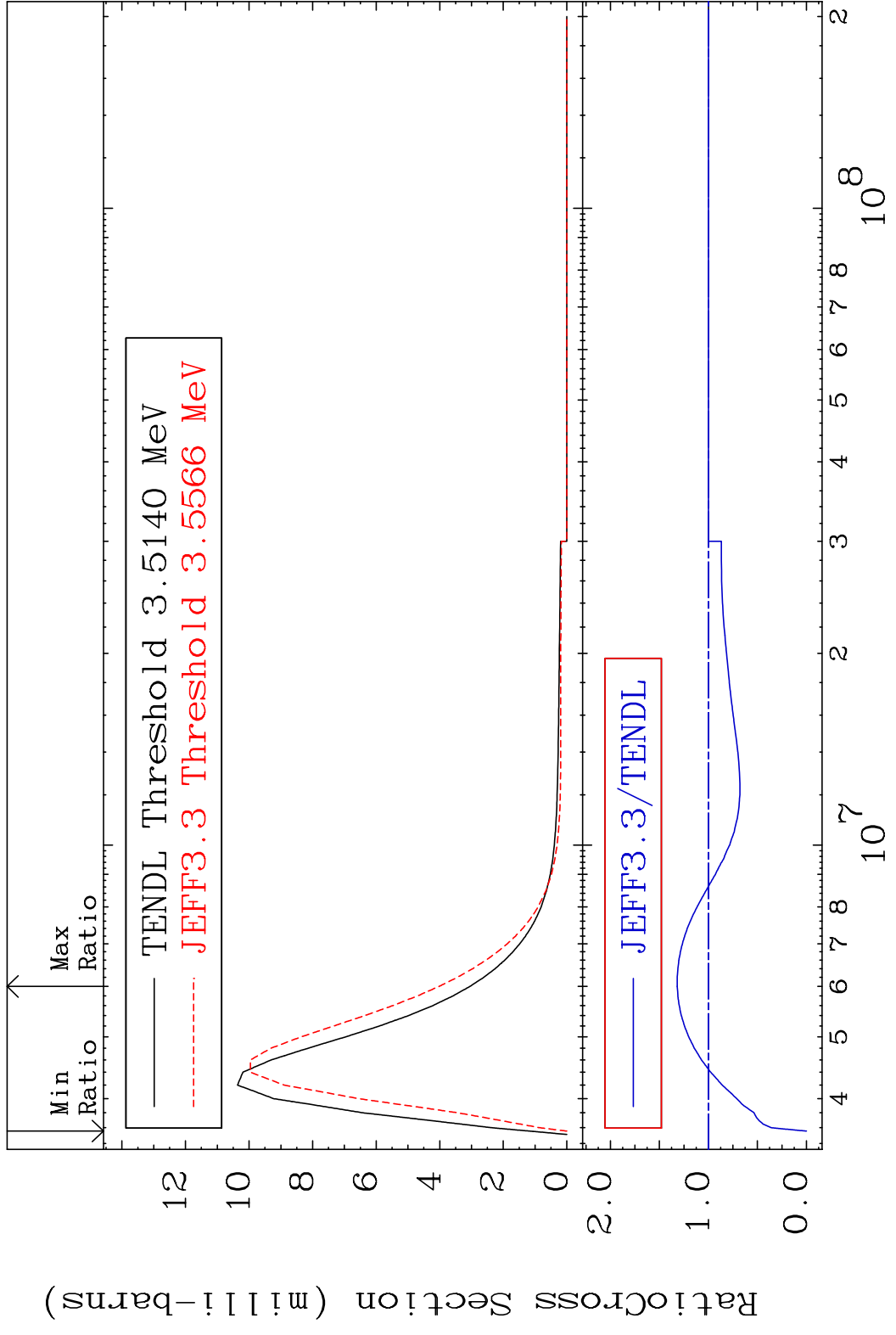
MAT 3043 MT= 74 (n,n') Level 30-Zn-70  
 Cross Section -100.0 To 91.79 %



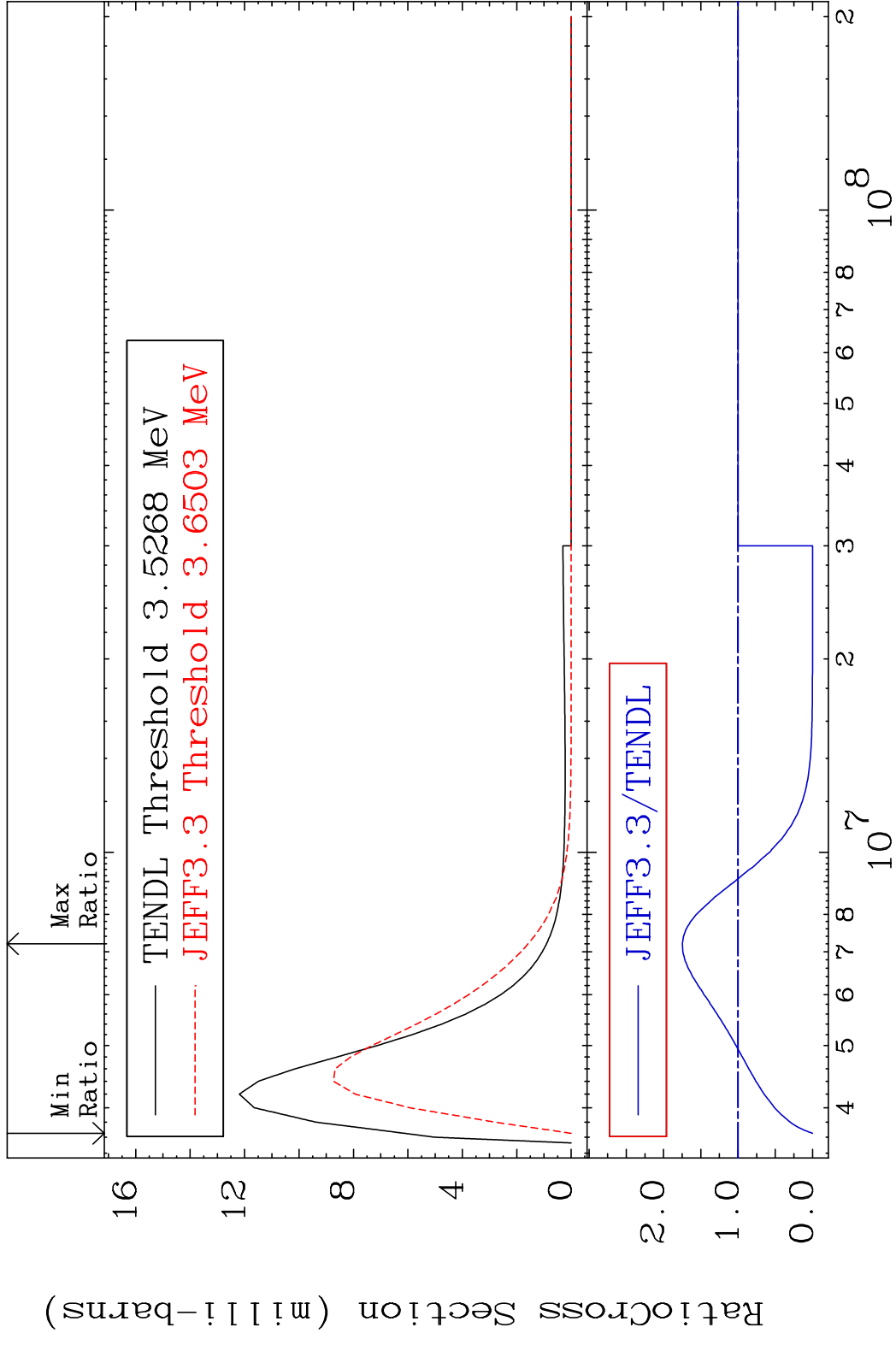
MAT 3043 MT= 75 (n,n') Level 30-Zn-70  
 Cross Section -100.0 To 65.68 %



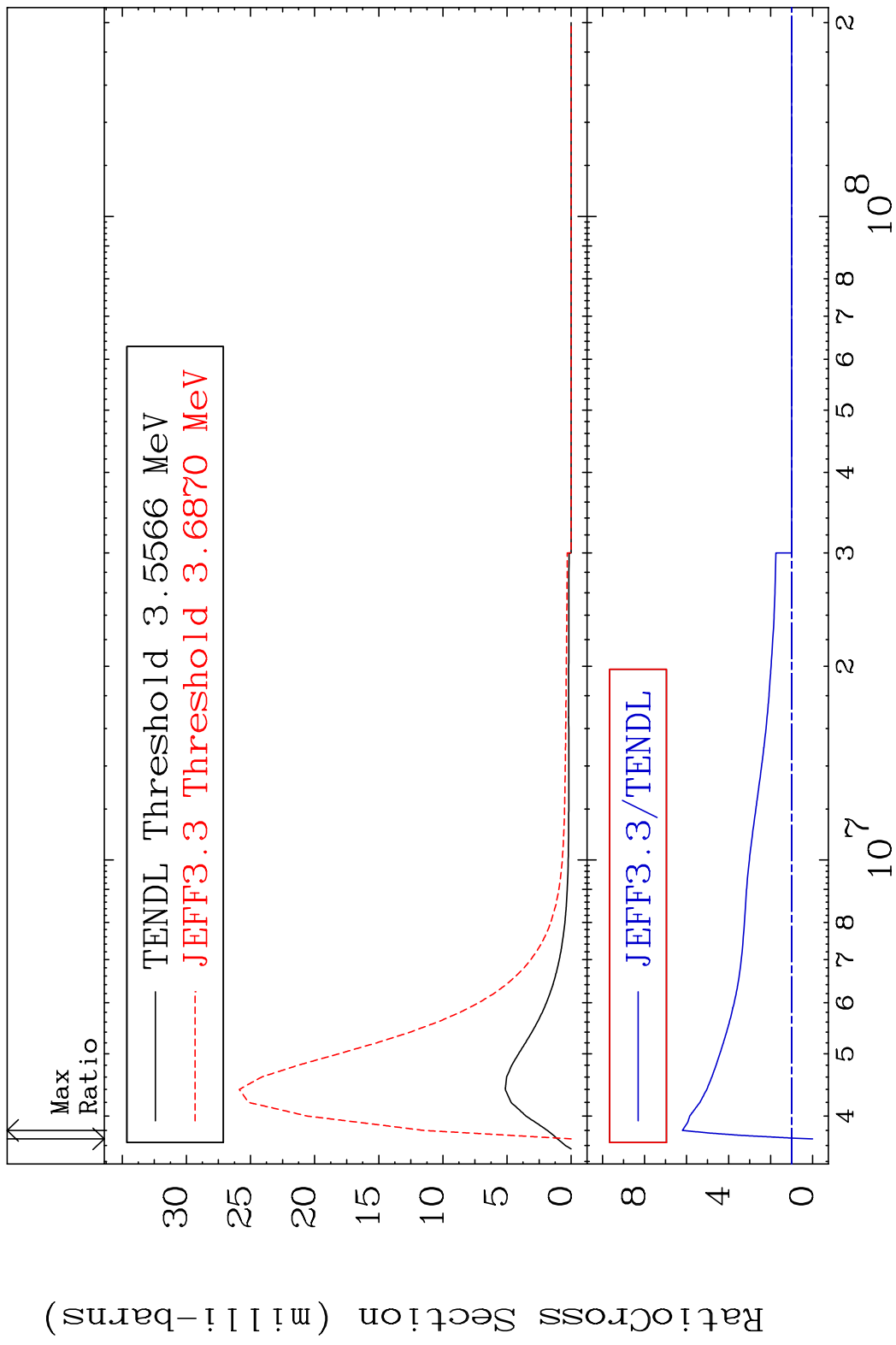
MAT 3043 MT= 76 (n,n') Level 30-Zn-70  
 Cross Section -100.0 To 31.85 %



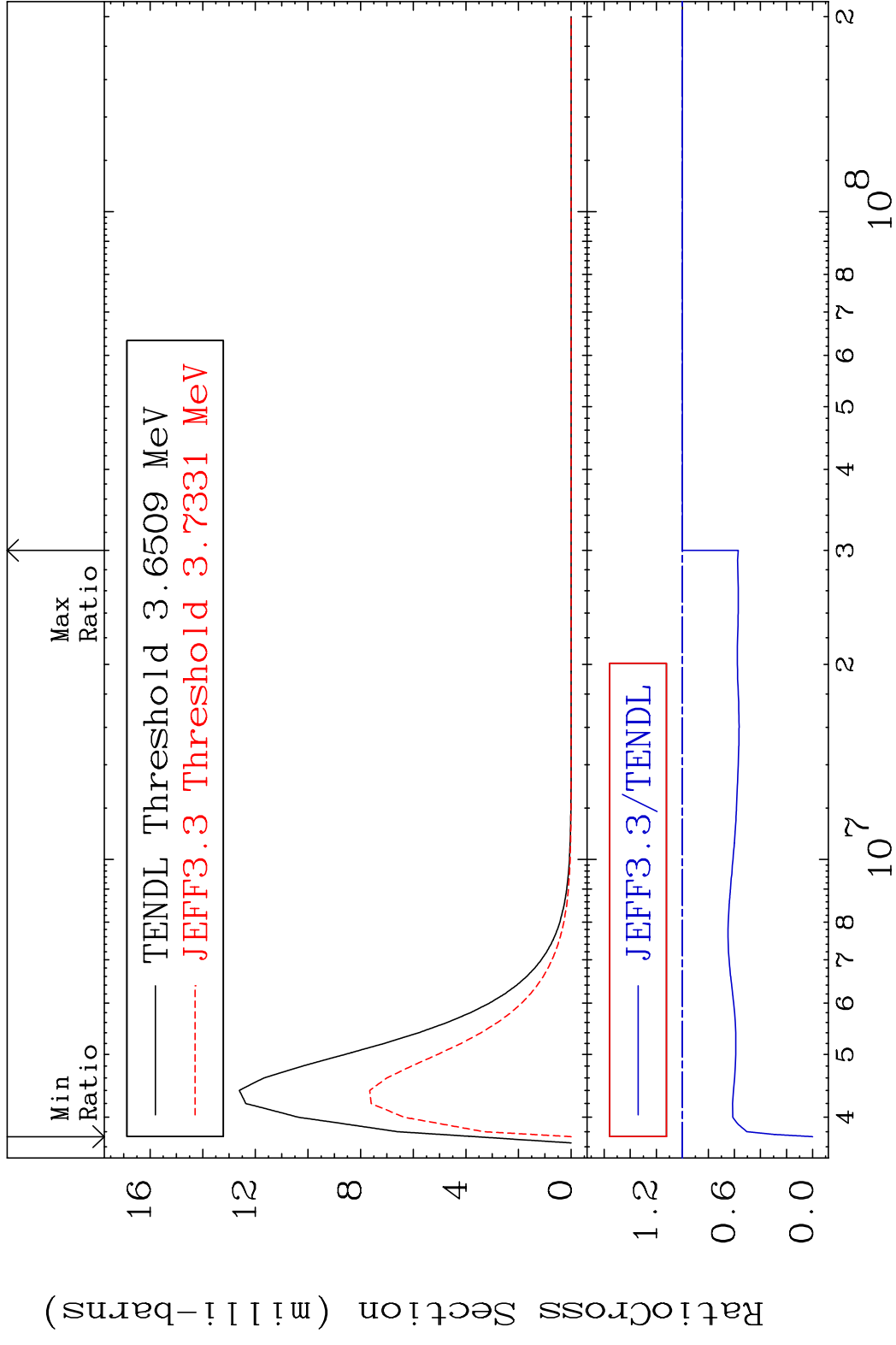
MAT 3043 MT= 77 (n,n') Level 30-Zn-70  
 Cross Section -100.0 To 74.74 %



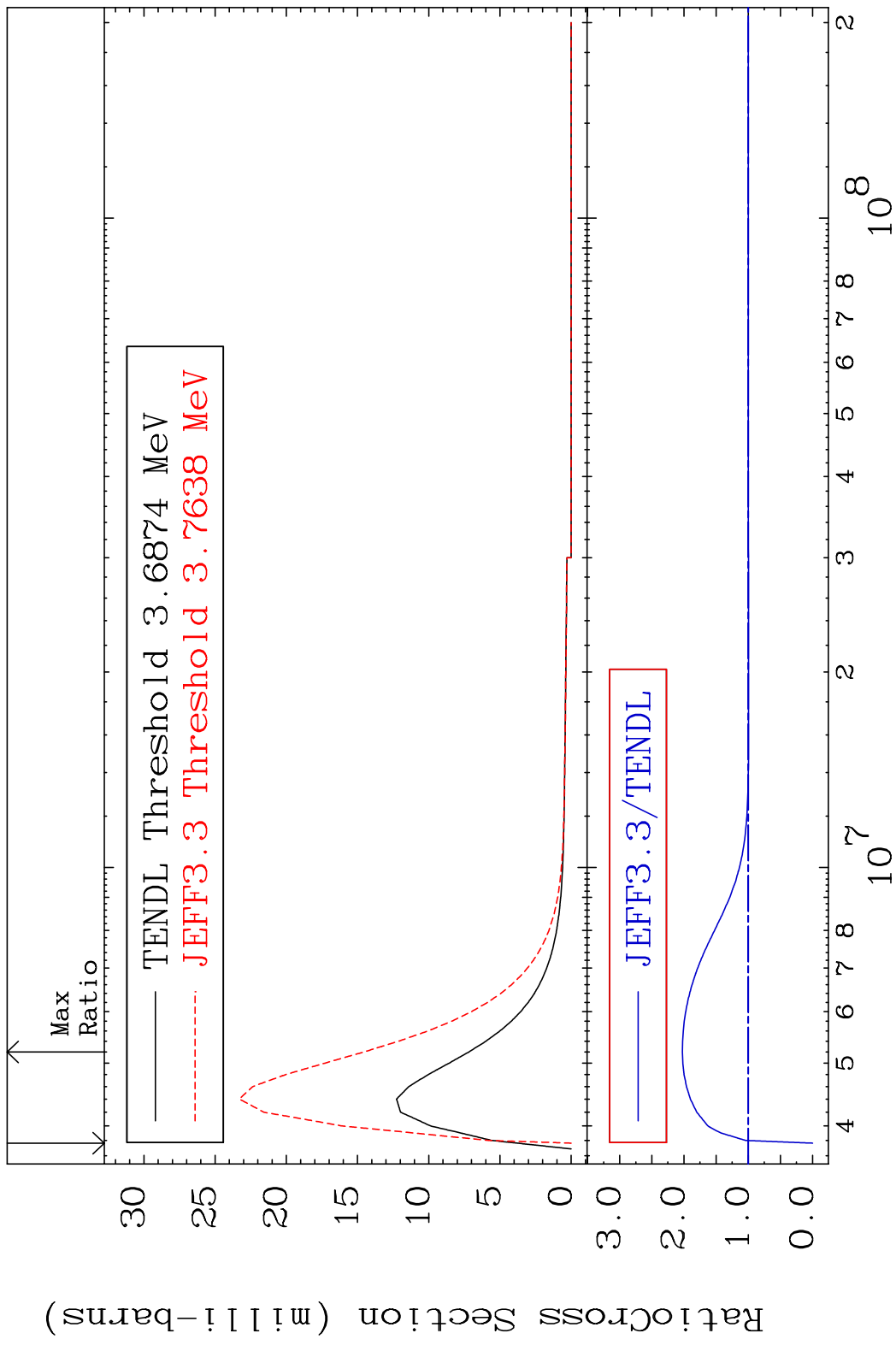
MAT 3043 MT= 78 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 520.2 %



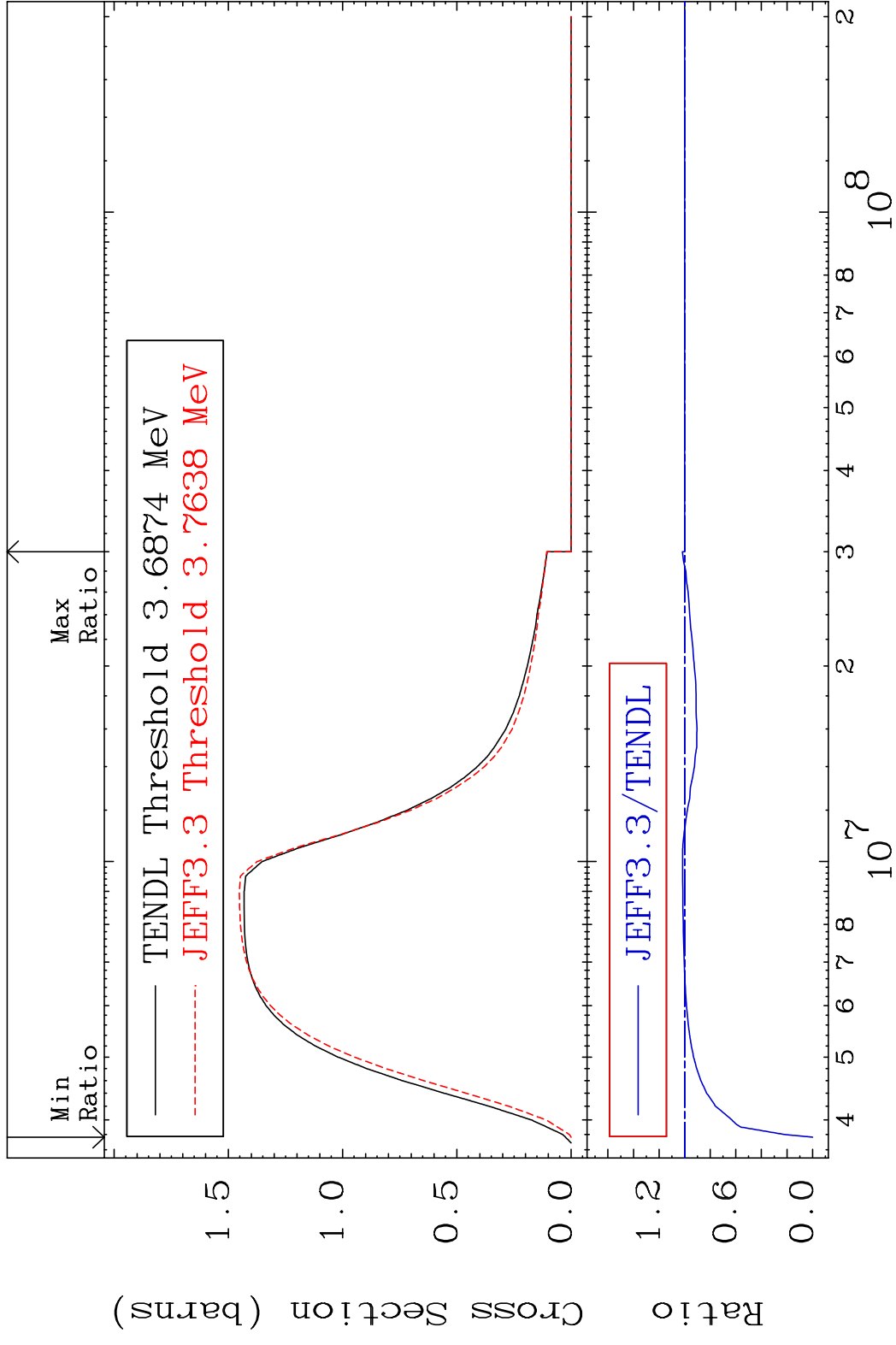
MAT 3043 MT= 79 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 0.000 %



MAT 3043 MT= 80 (n, n') Level 30-Zn-70  
 Cross Section -100.0 To 102.5 %

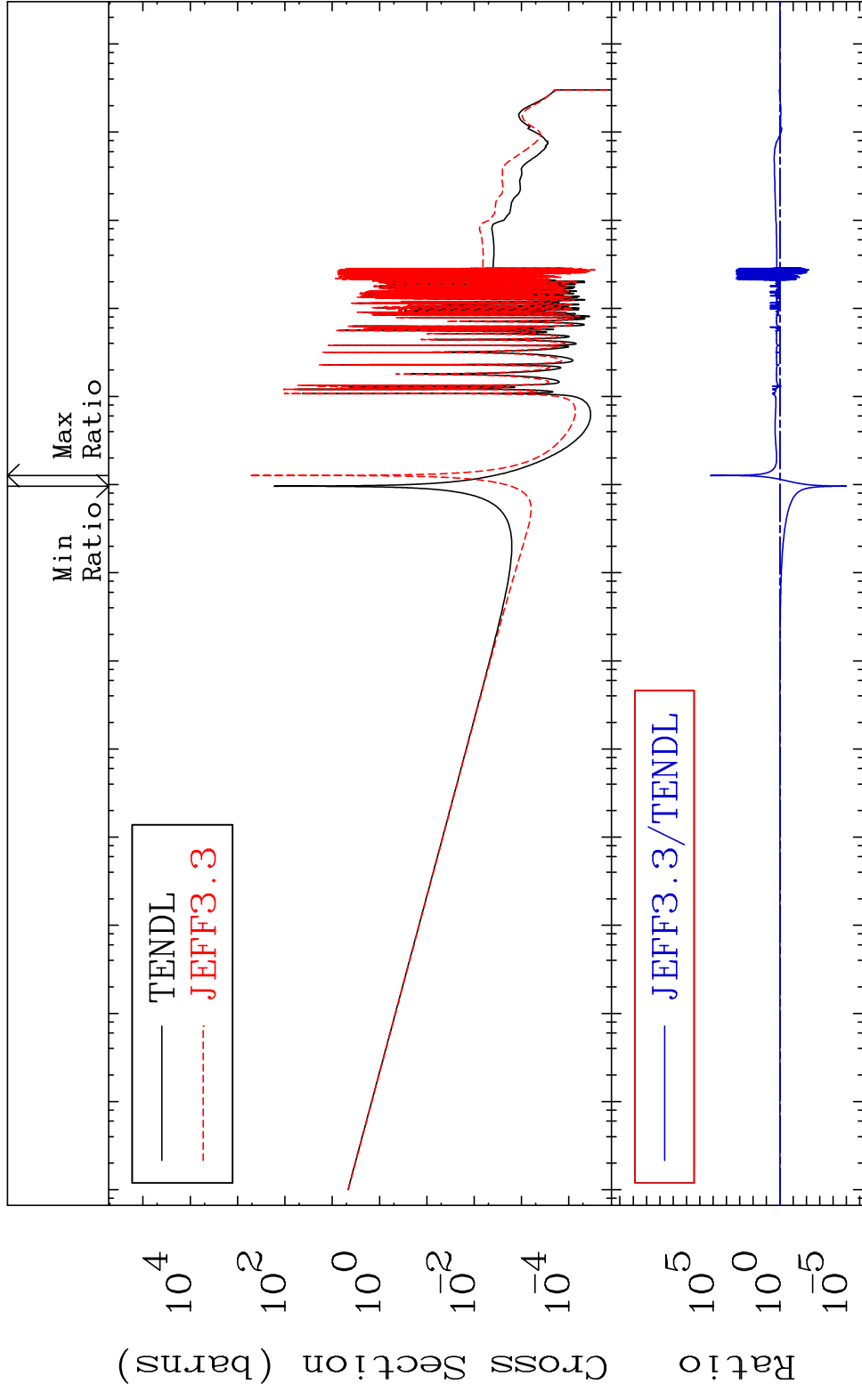


MAT 3043 (n,n') Continuum 30-Zn-70  
 Cross Section -100.0 To 1.800 %



MAT 3043

(n,  $\gamma$ )  
Cross Section -100.0 To 9999. %  
30-Zn-70



10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

50

Incident Energy (eV)

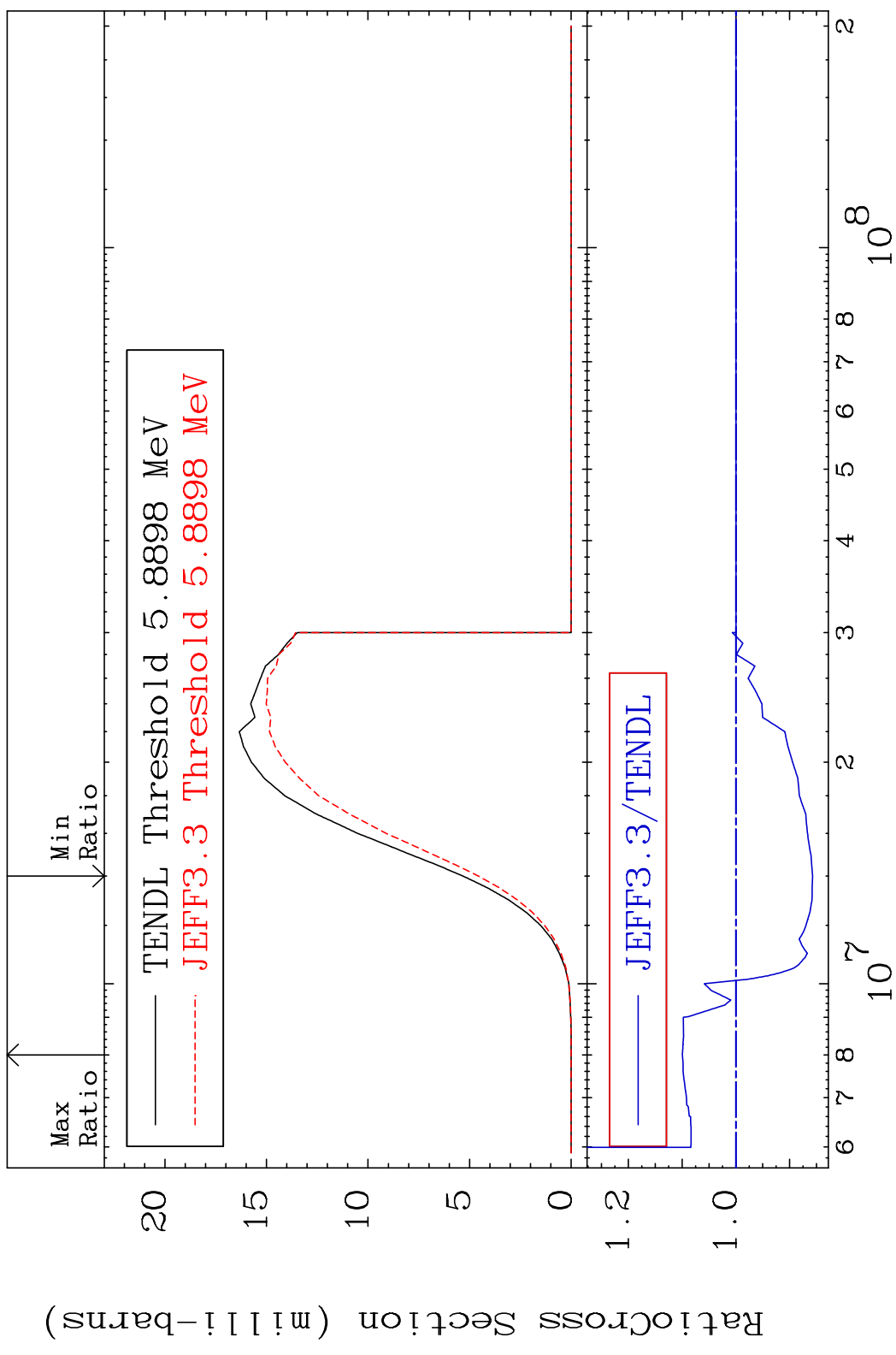
30-Zn-70

MAT 3043

(n, p)

30-Zn-70

Cross Section -14.27 To 9.957 %

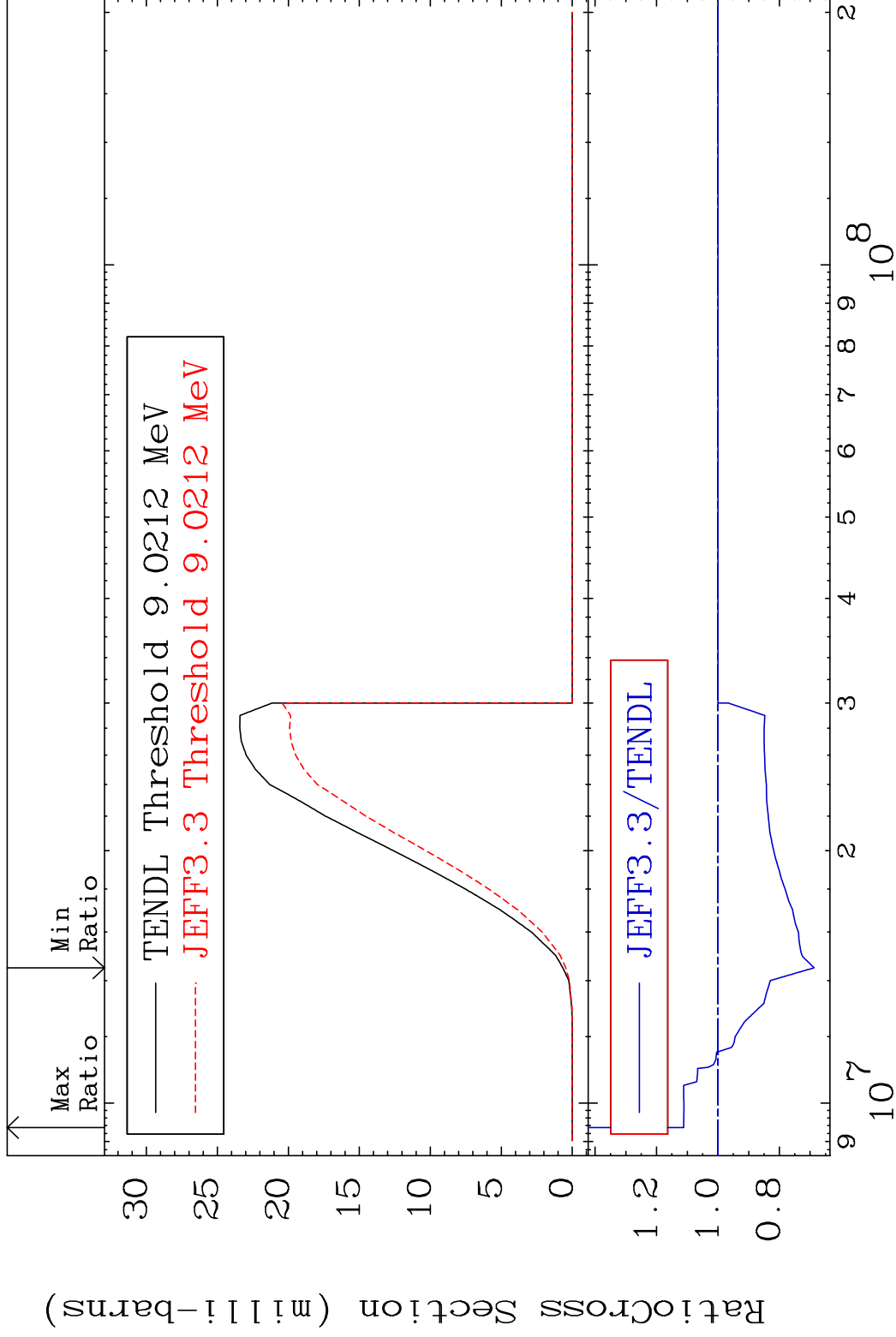


MAT 3043

(n, d)

30-Zn-70

Cross Section -31.29 To 11.18 %



52

Incident Energy (eV)

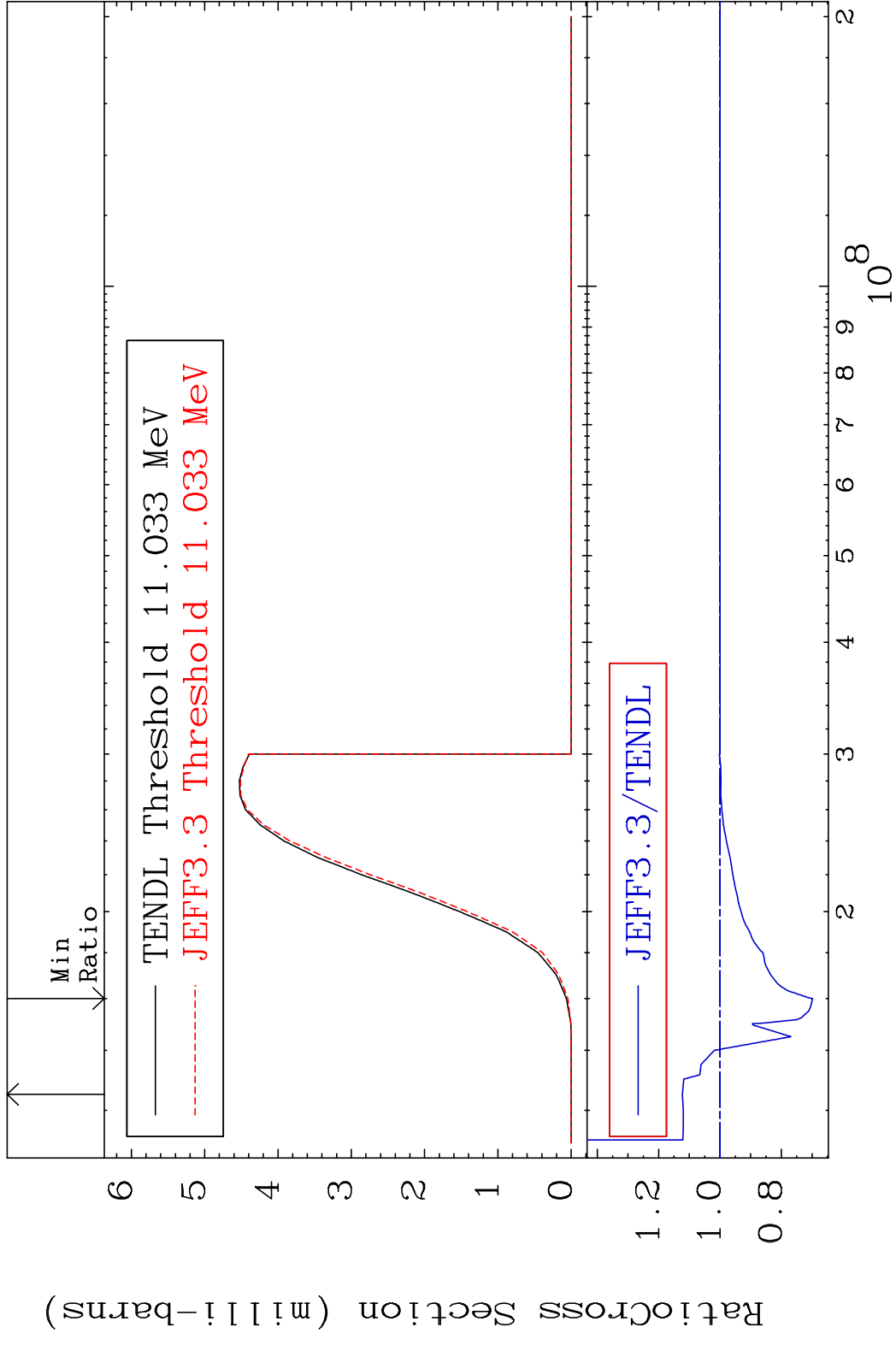
30-Zn-70

MAT 3043

(n, t)

30-Zn-70

Cross Section -30.17 To 12.28 %

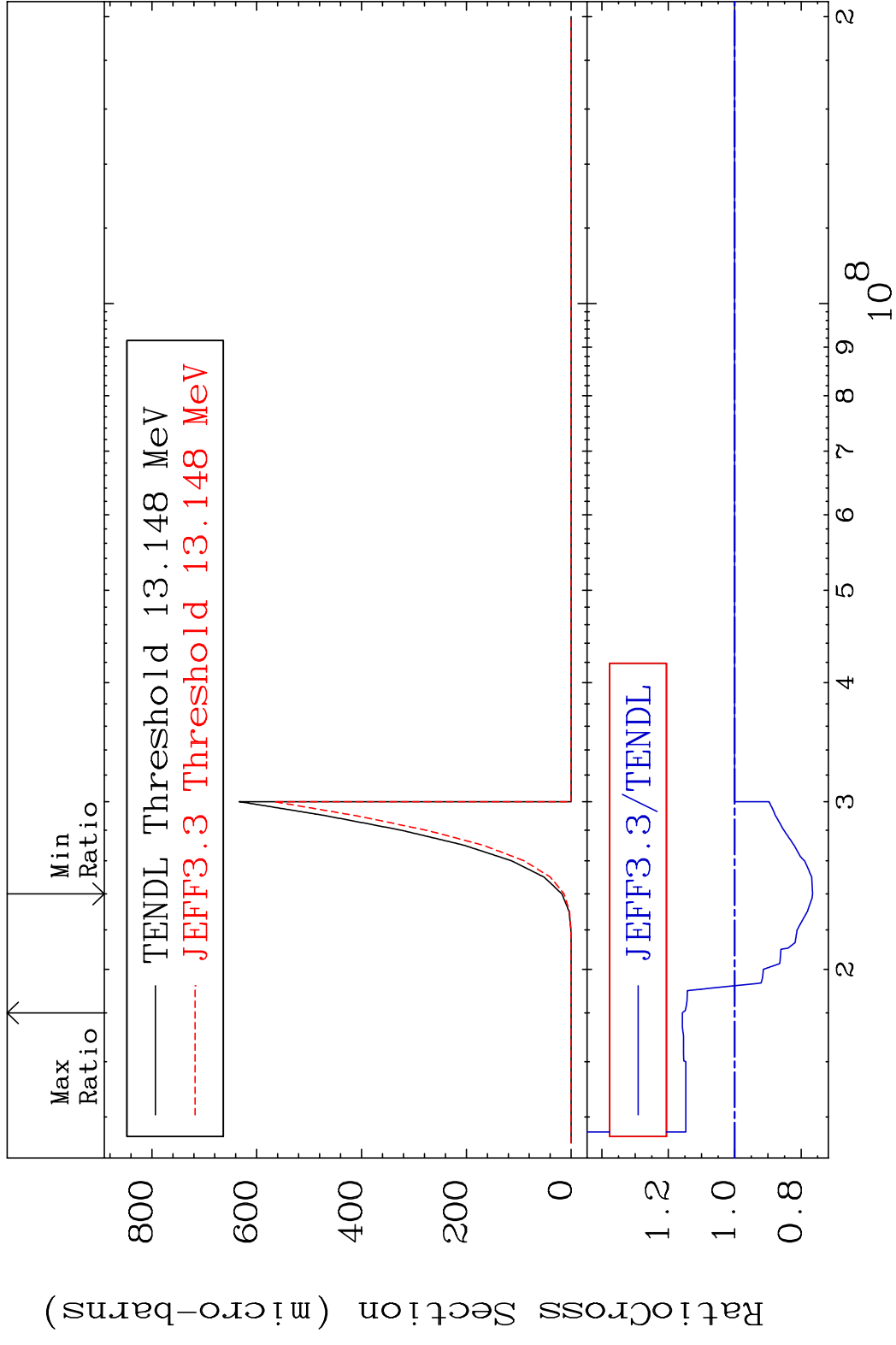


MAT 3043

(n, He-3)

30-Zn-70

Cross Section -23.45 To 15.77 %



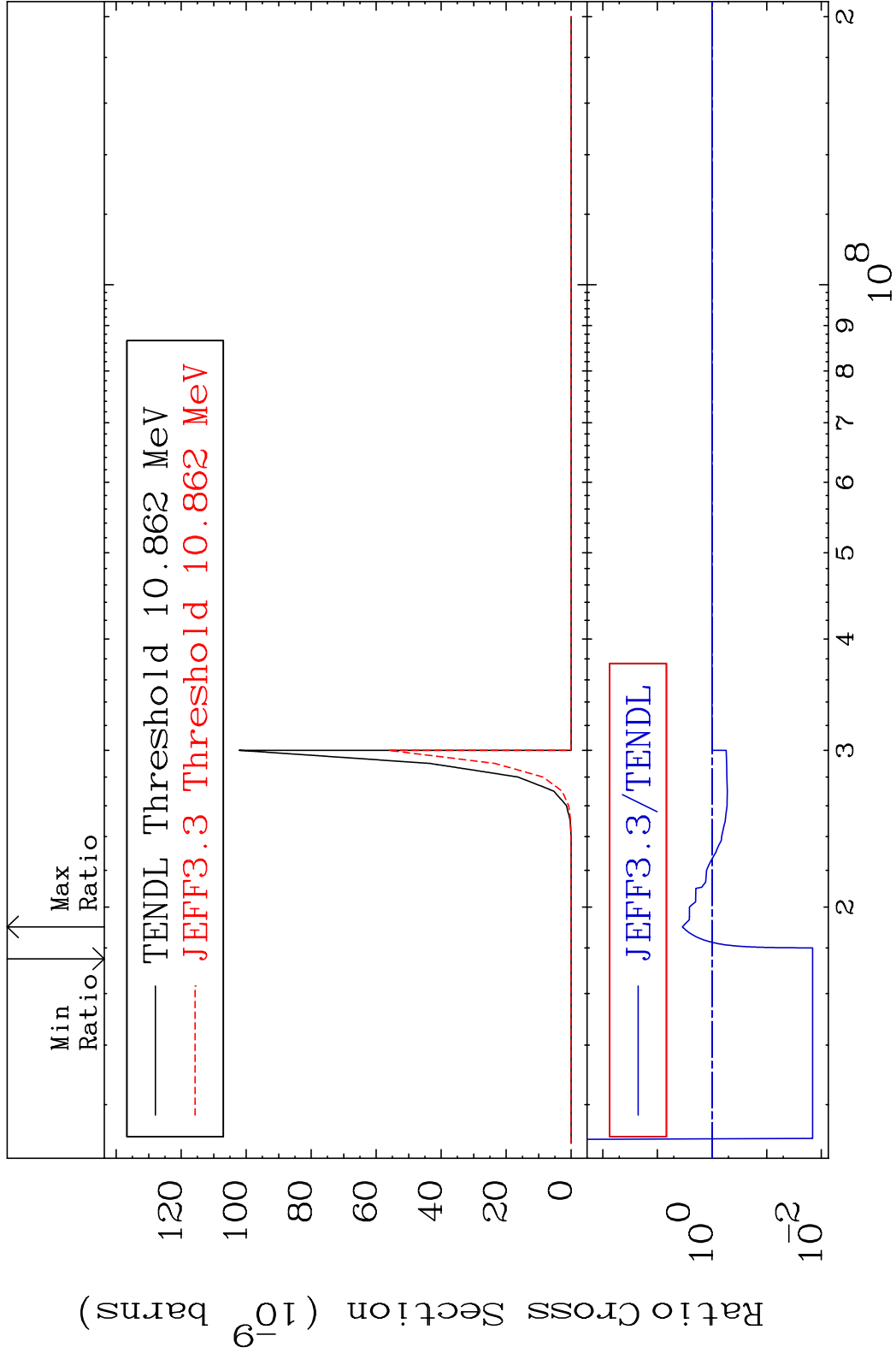


MAT 3043

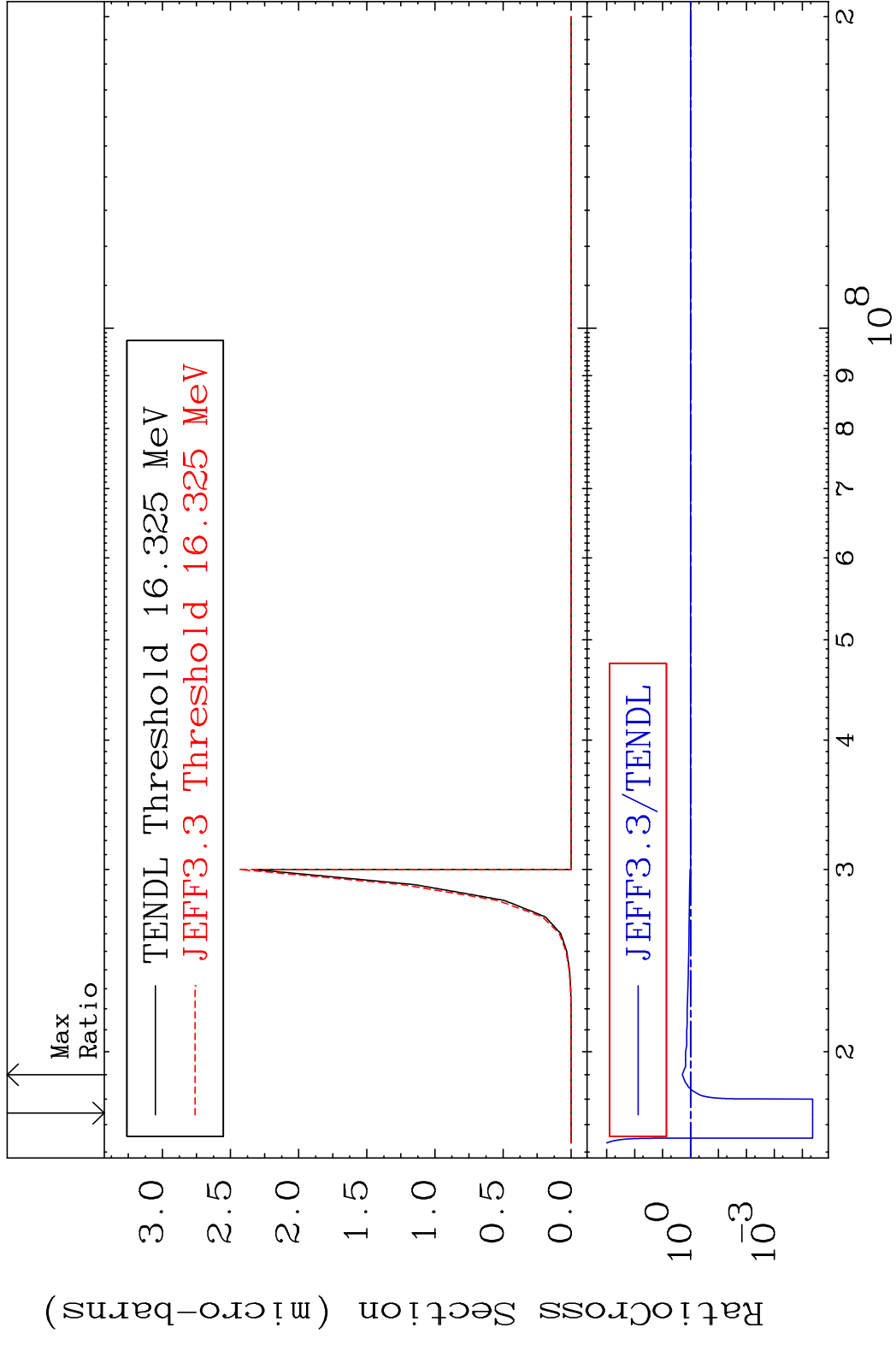
(n, 2α)

30-Zn-70

Cross Section -98.55 To 248.9 %



MAT 3043 (n,2p) 30-Zn-70  
 Cross Section -100.0 To 96.18 %

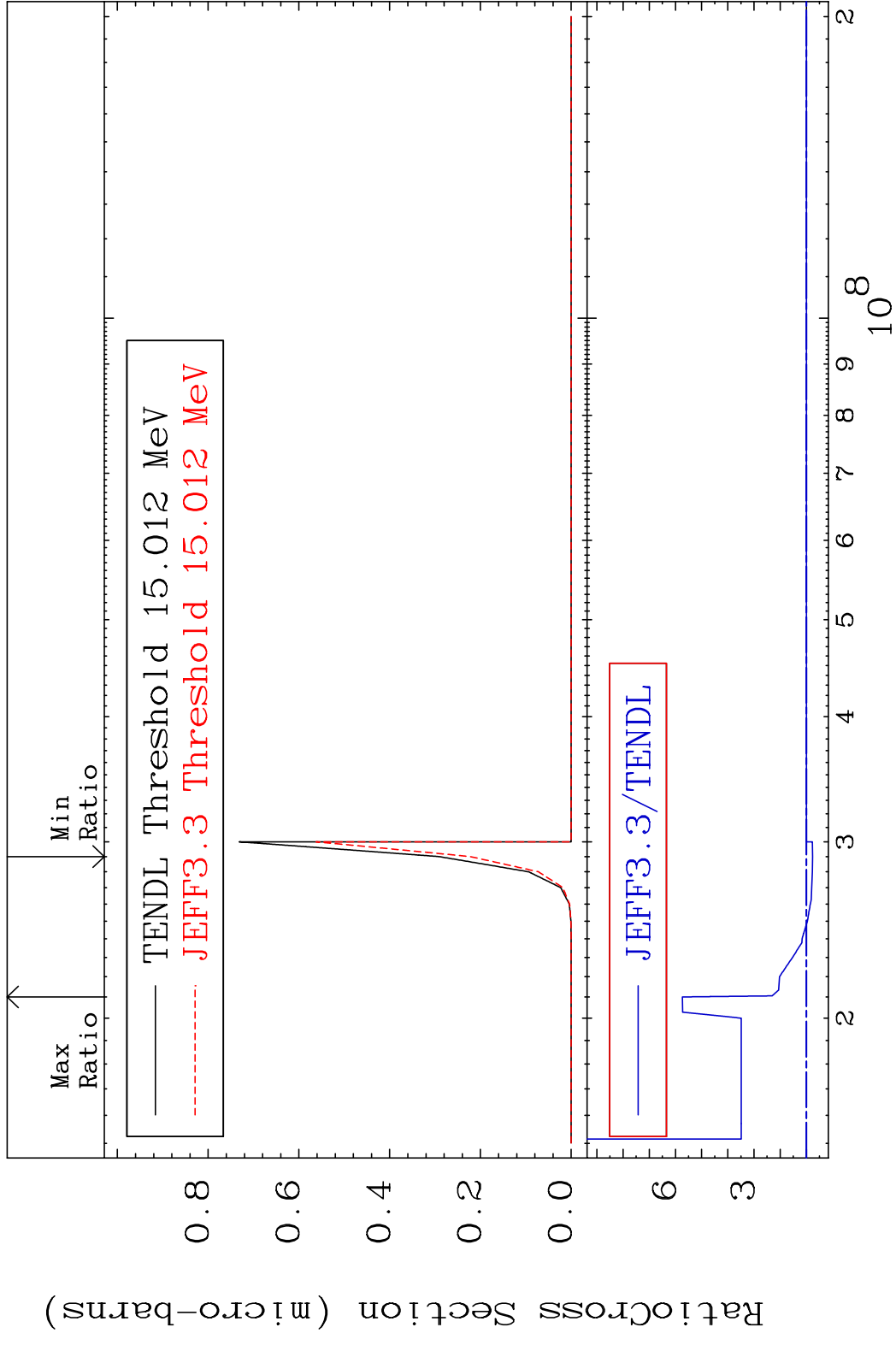


MAT 3043

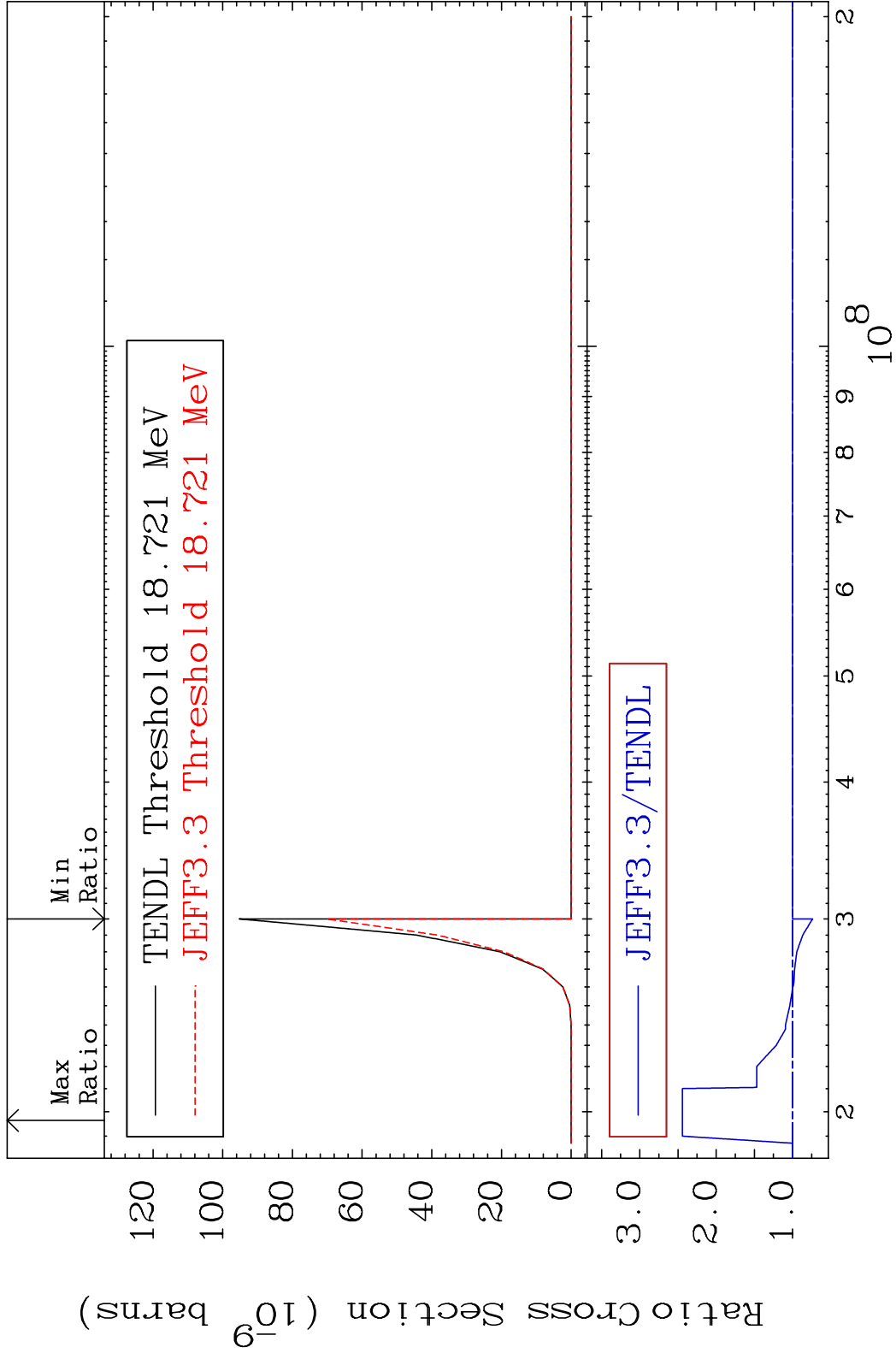
(n,p)  $\alpha$

30-Zn-70

Cross Section -23.72 To 473.6 %



MAT 3043 (n,p) d 30-Zn-70  
 Cross Section -26.22 To 144.3 %

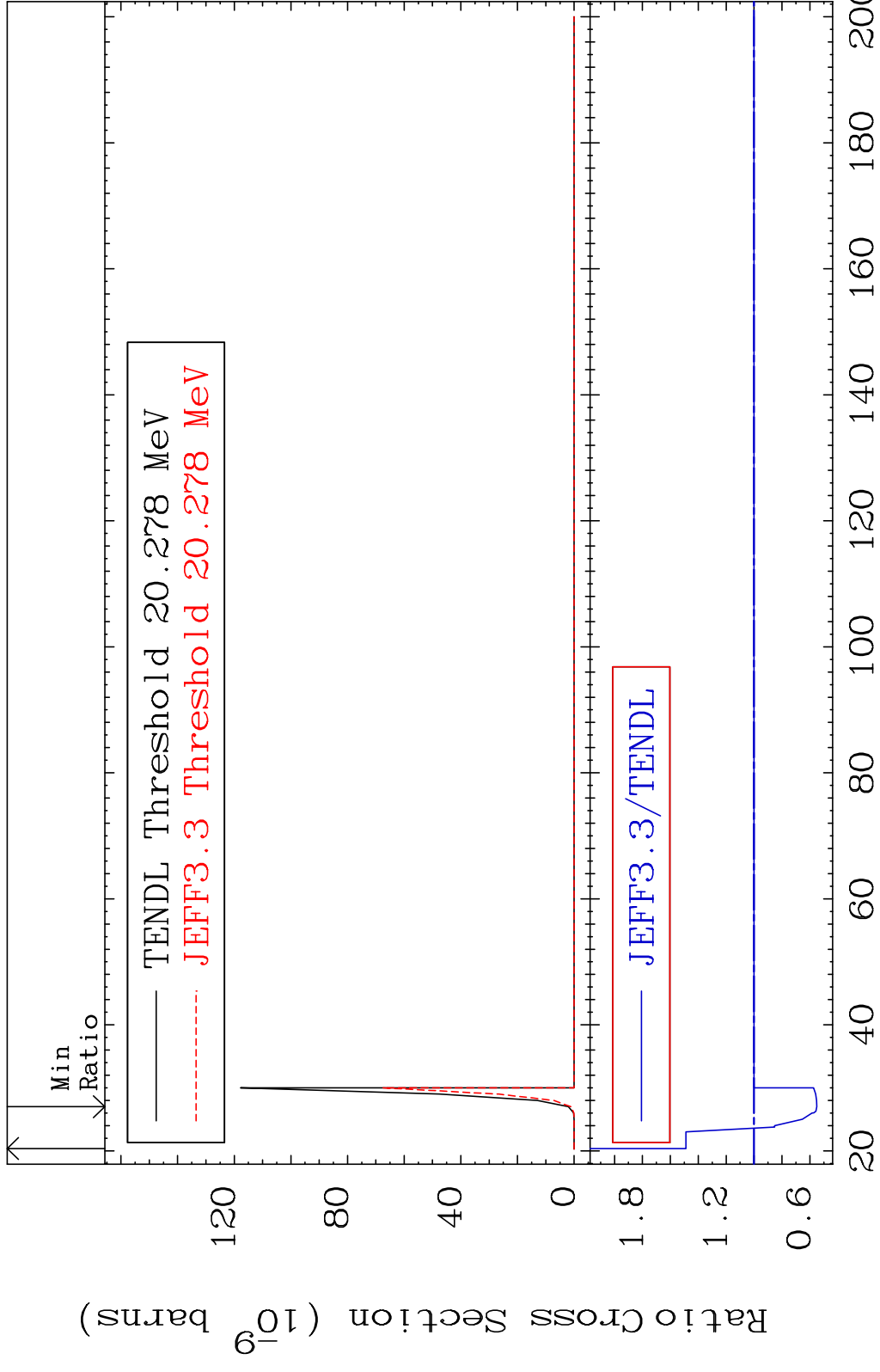


MAT 3043

(n,p) t

30-Zn-70

Cross Section -44.92 To 48.87 %



60

Incident Energy (MeV)

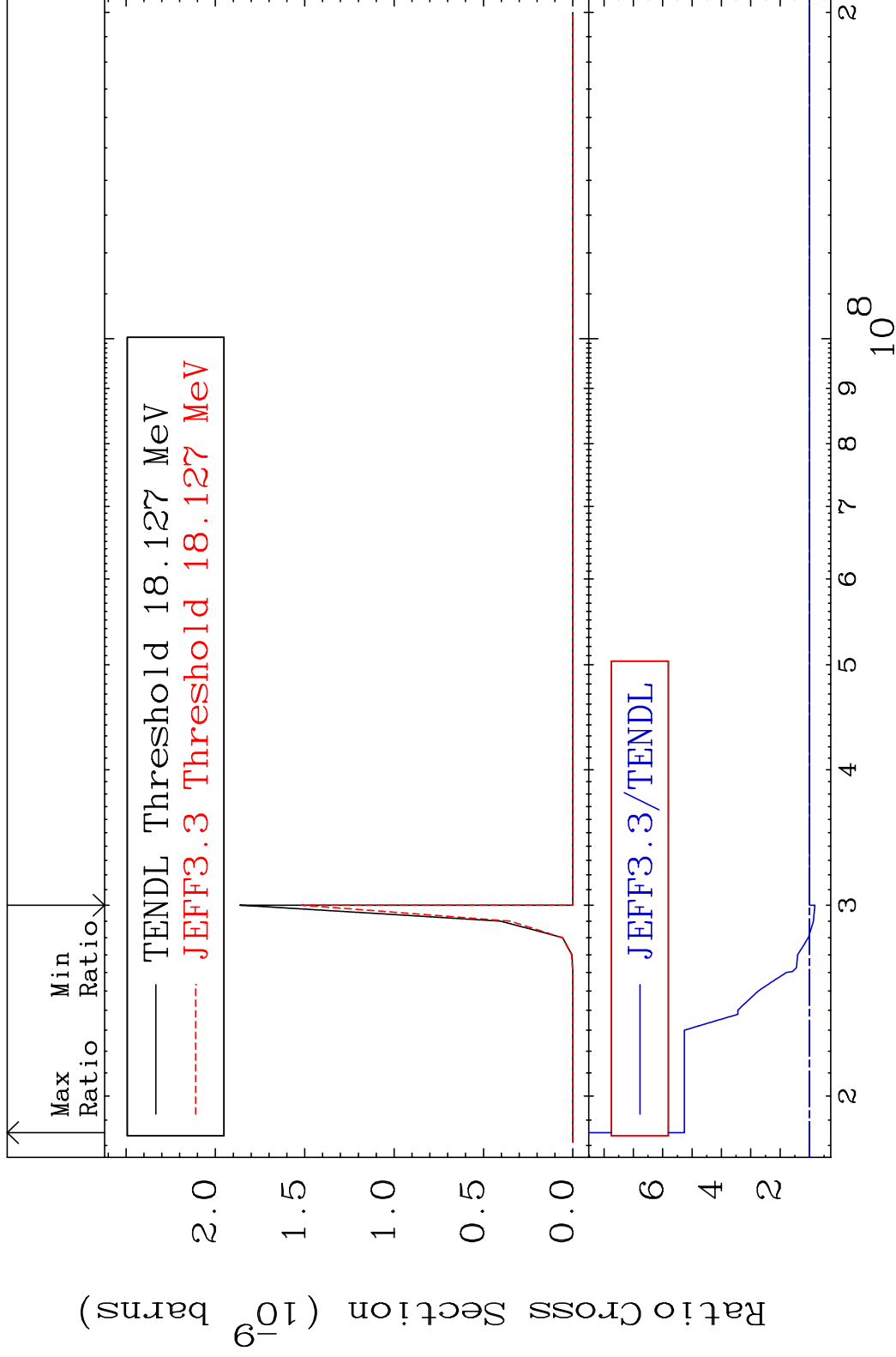
30-Zn-70

MAT 3043

(n,d)  $\alpha$

30-Zn-70

Cross Section -18.54 To 426.4 %



61

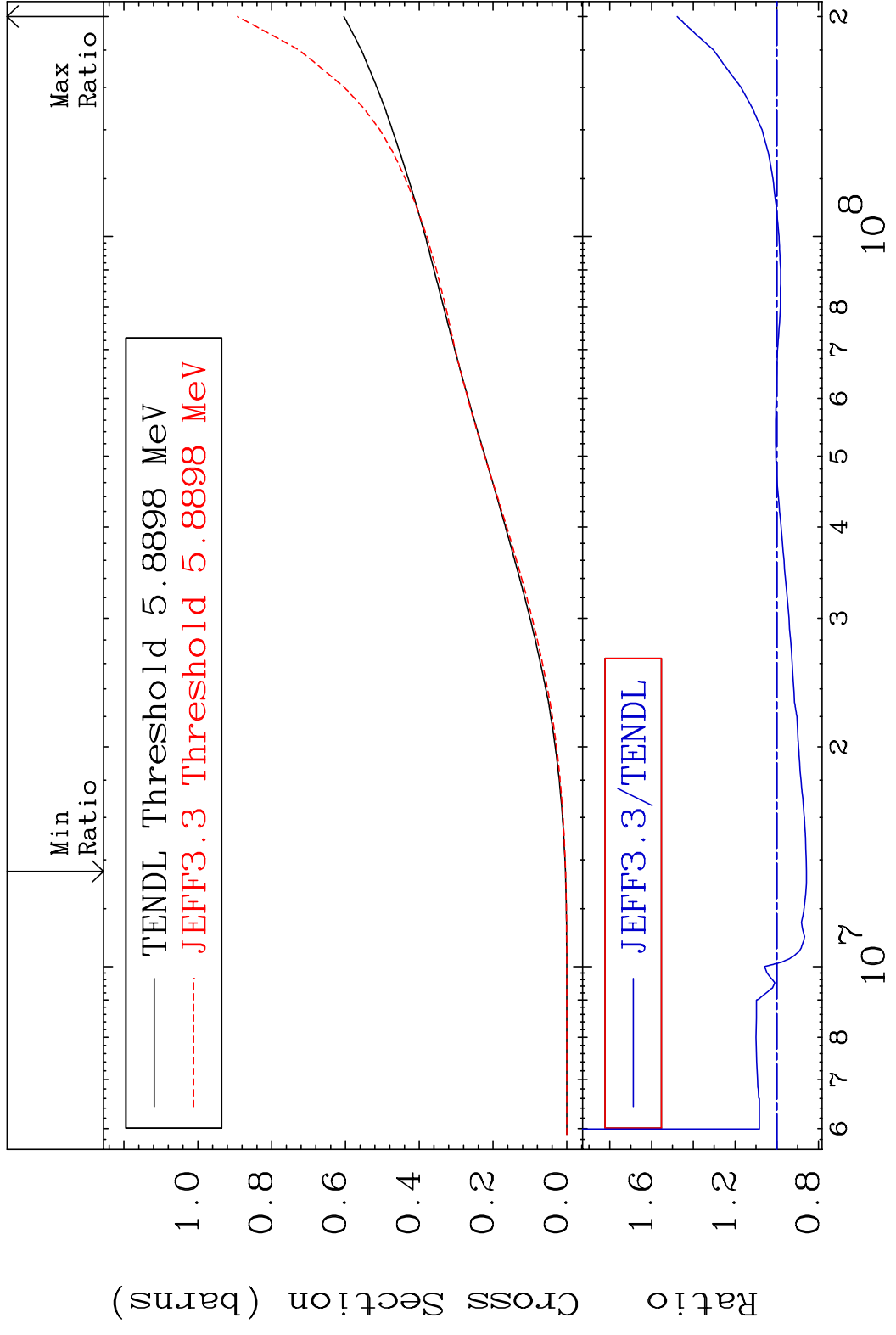
Incident Energy (eV)

30-Zn-70

MAT 3043

Hydrogen Production  
Cross Section -14.18 To 47.75 %

30-Zn-70

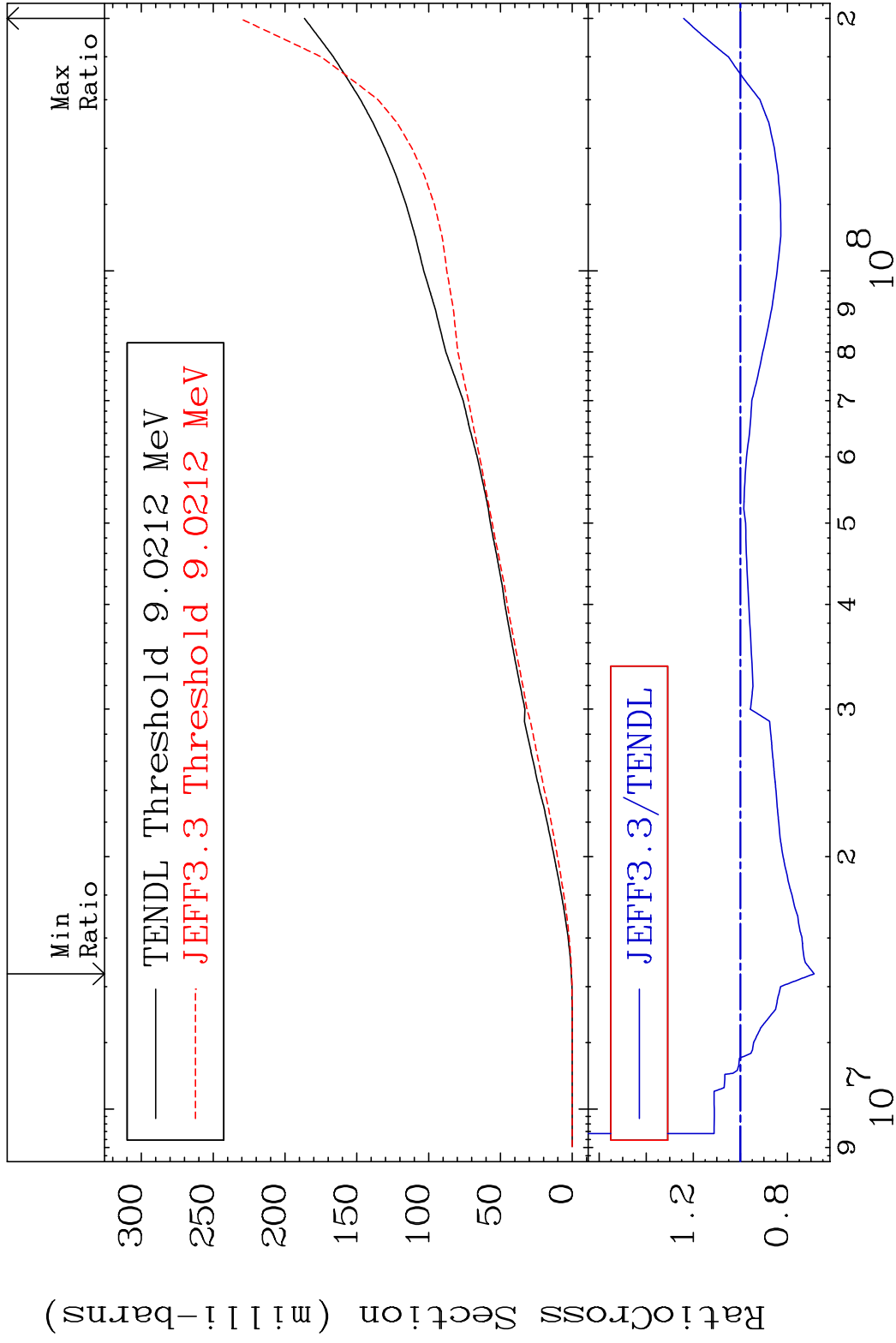


MAT 3043

Deuterium Production

30-Zn-70

Cross Section -31.29 To 24.14 %

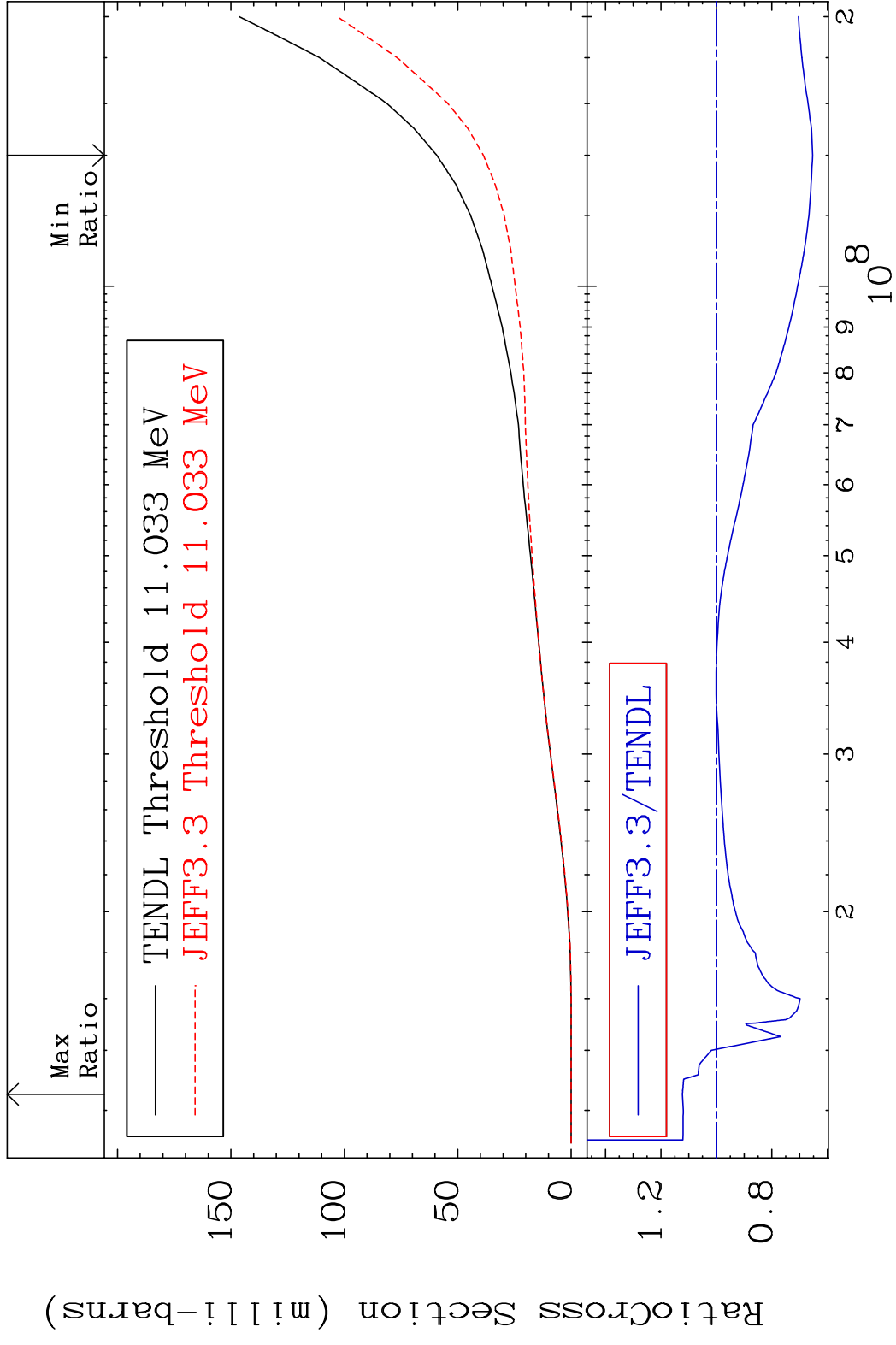


63

Incident Energy (eV)

30-Zn-70

MAT 3043 Tritium Production 30-Zn-70  
 Cross Section -34.67 To 12.28 %

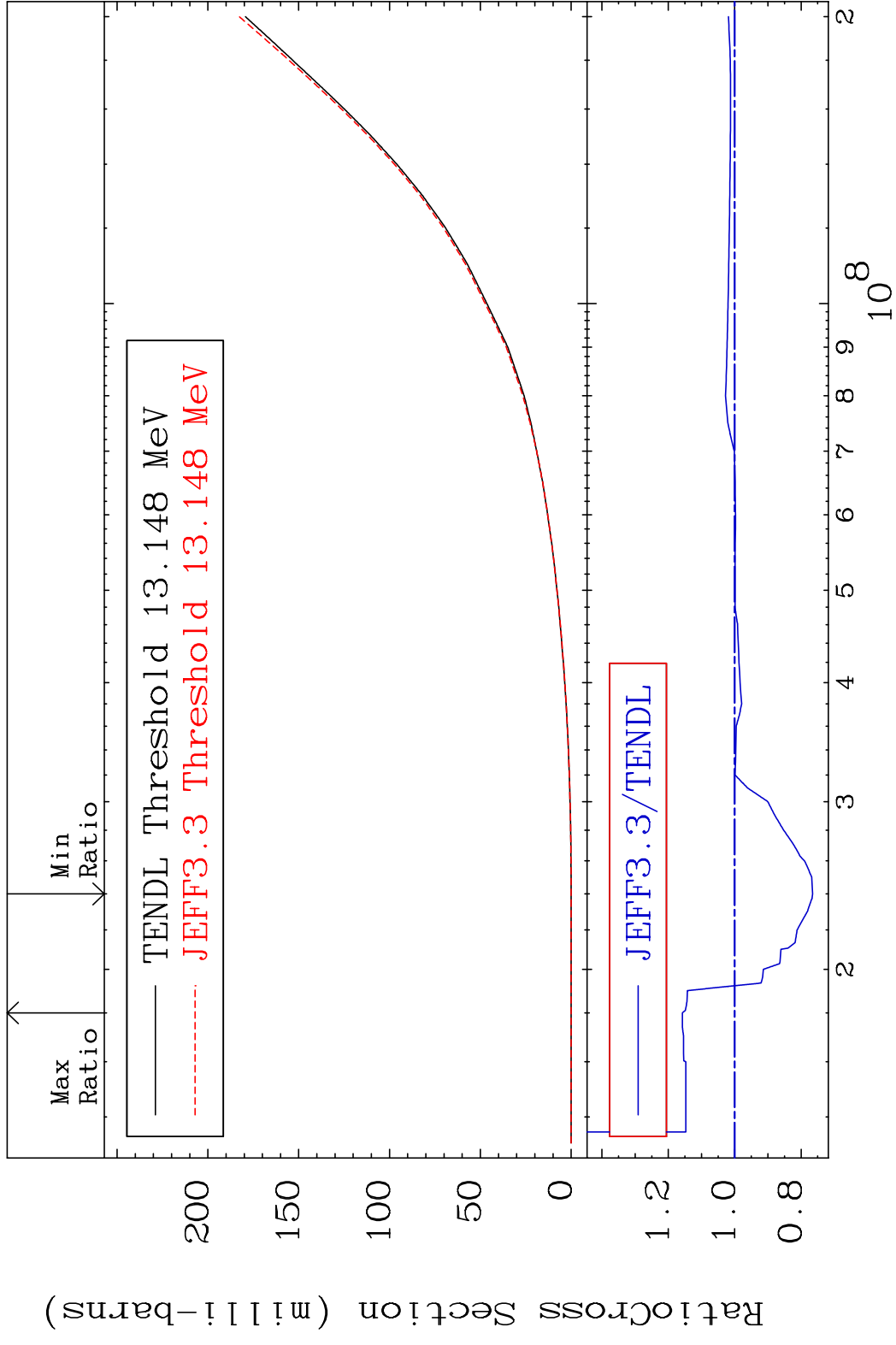


MAT 3043

He-3 Production

30-Zn-70

Cross Section -23.45 To 15.77 %

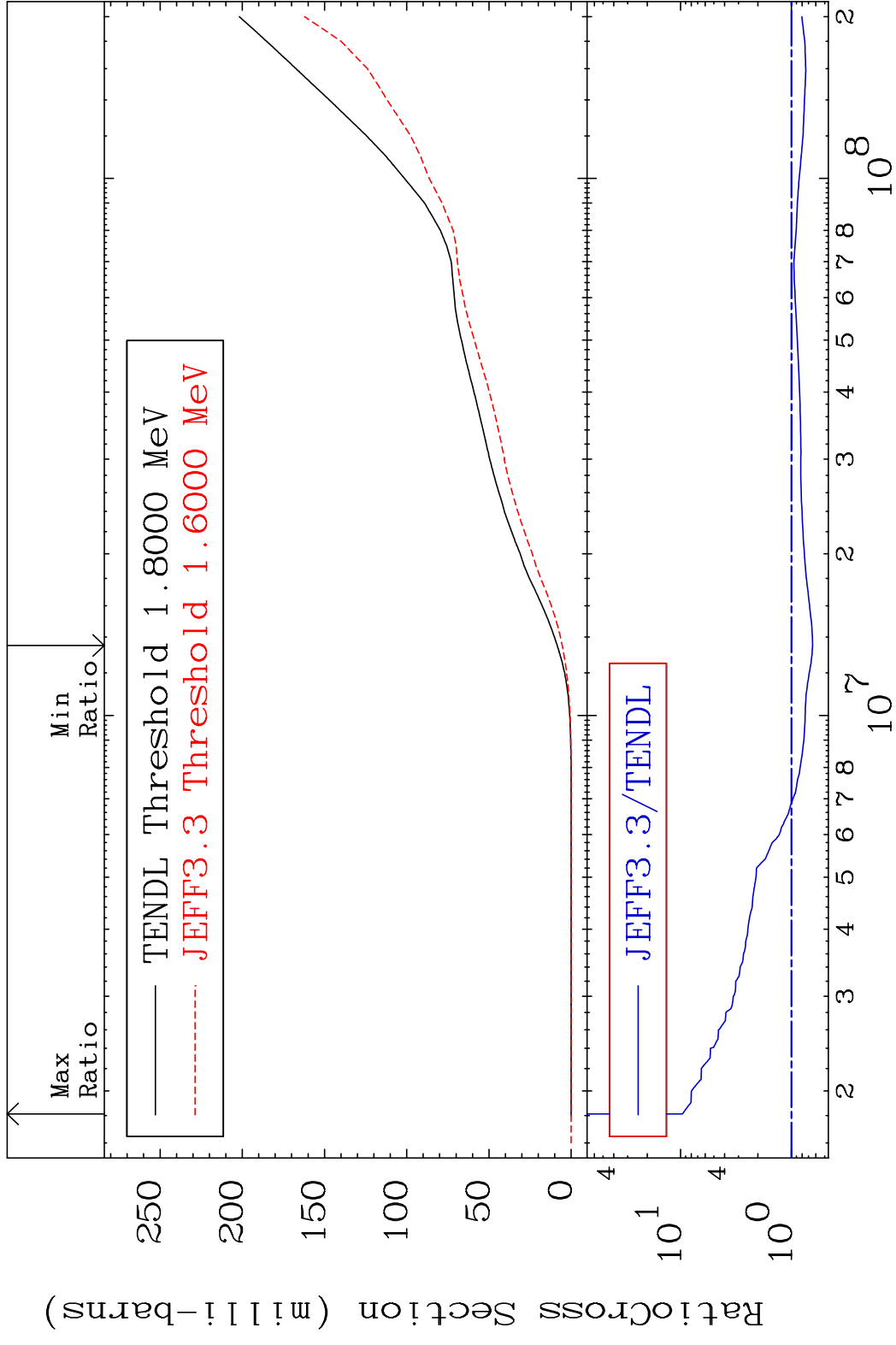


65

Incident Energy (eV)

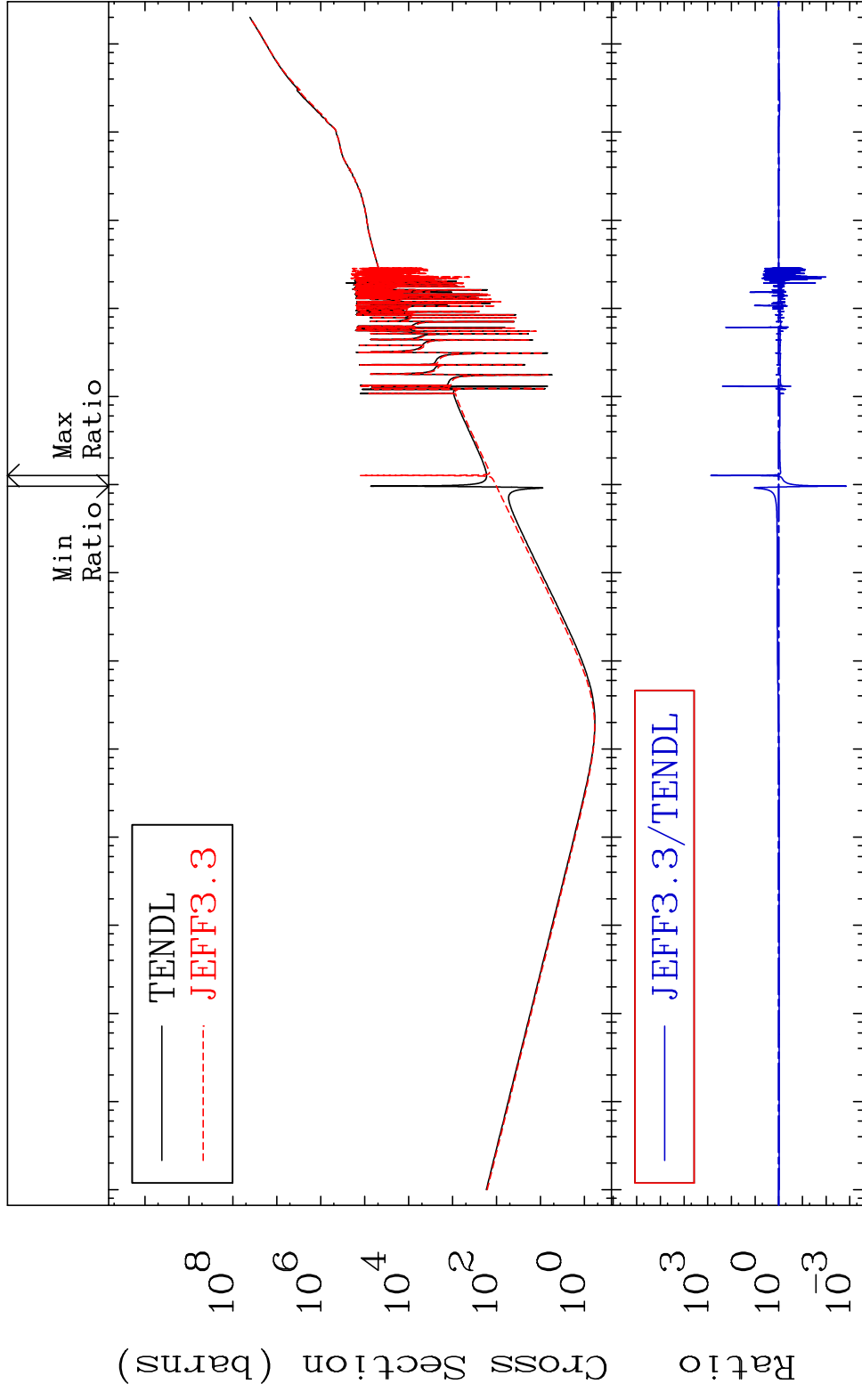
30-Zn-70

MAT 3043 He-4 Production 30-Zn-70  
 Cross Section -35.70 To 863.1 %



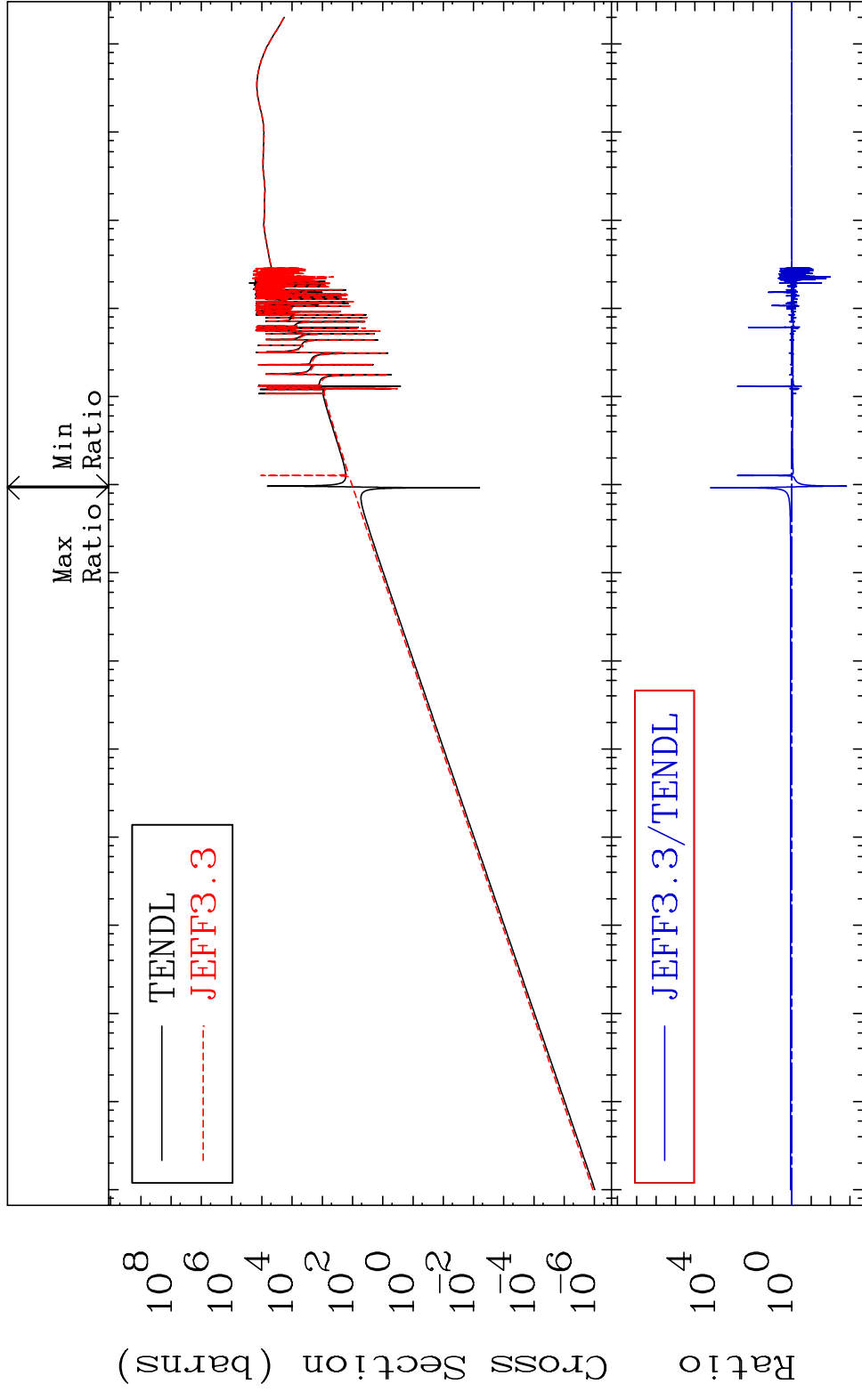
66 Incident Energy (eV) 30-Zn-70

MAT 3043 Kerma total (eV-barns) 30-Zn-70  
 Cross Section -99.86 To 9999. %

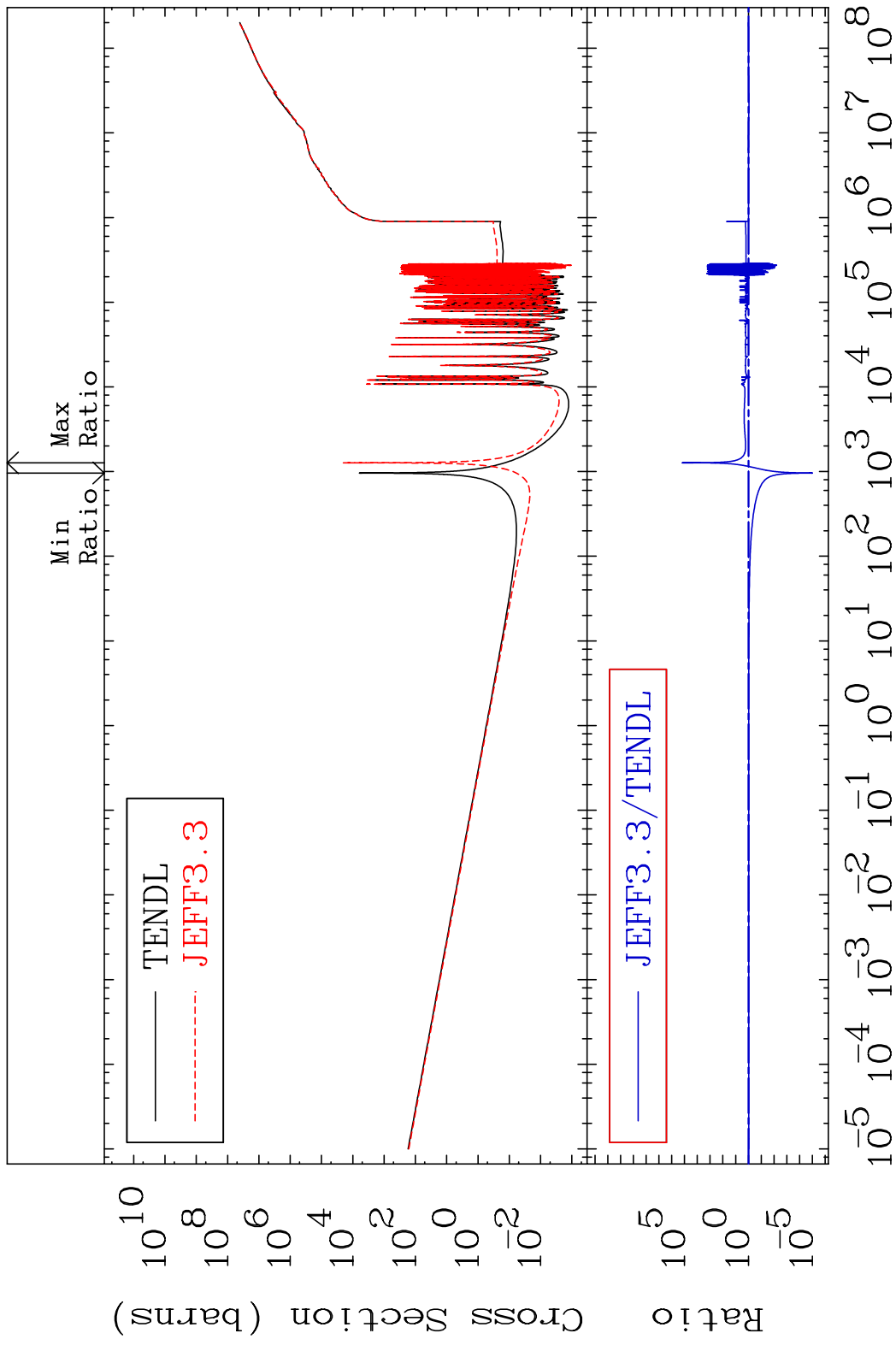


MAT 3043

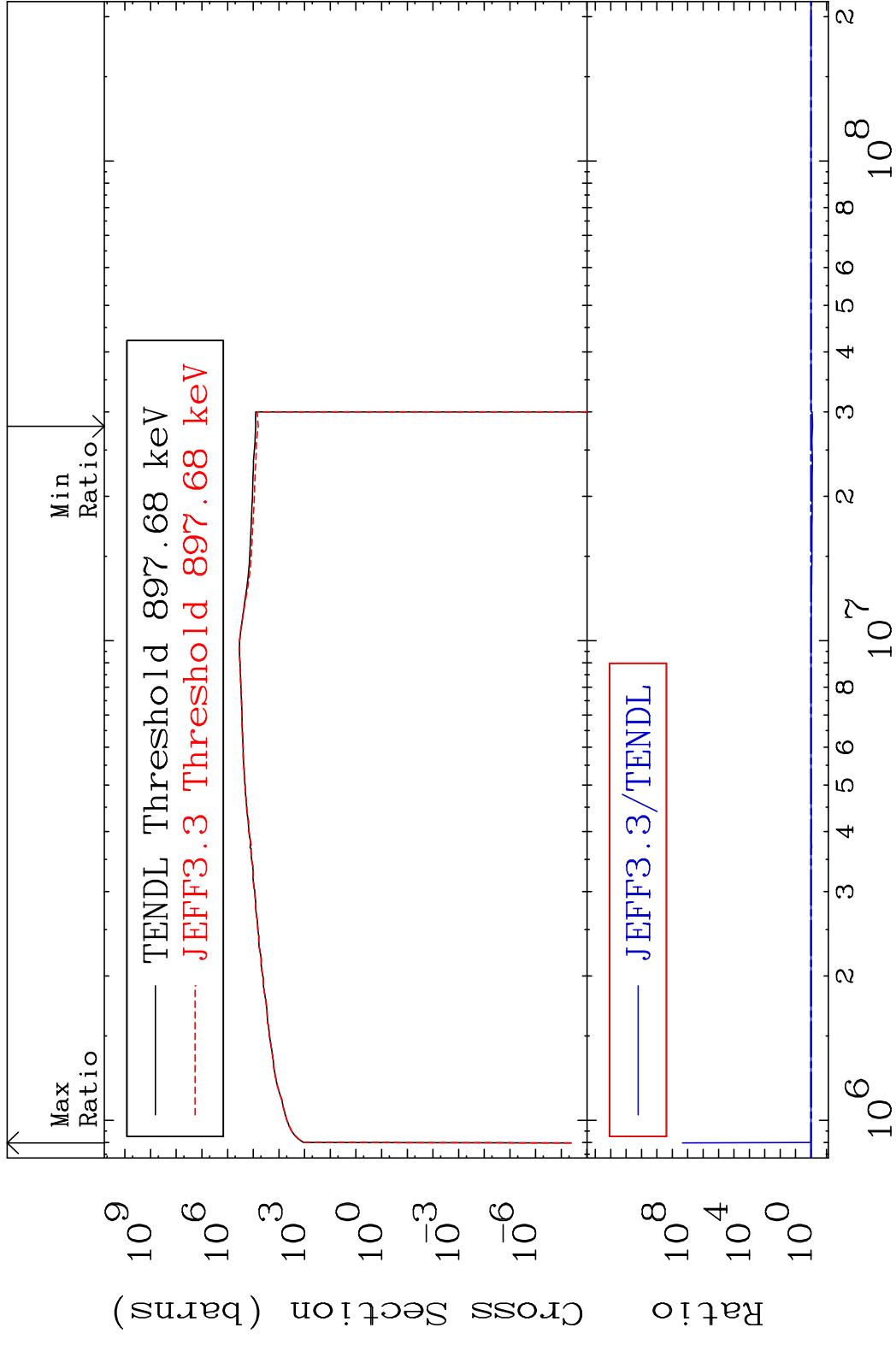
Kerma elastic Cross Section -99.85 To 9999. %  
30-Zn-70



MAT 3043 Kerma non-elastic (all but mt2) 30-Zn-70  
 Cross Section -100.0 To 9999. %

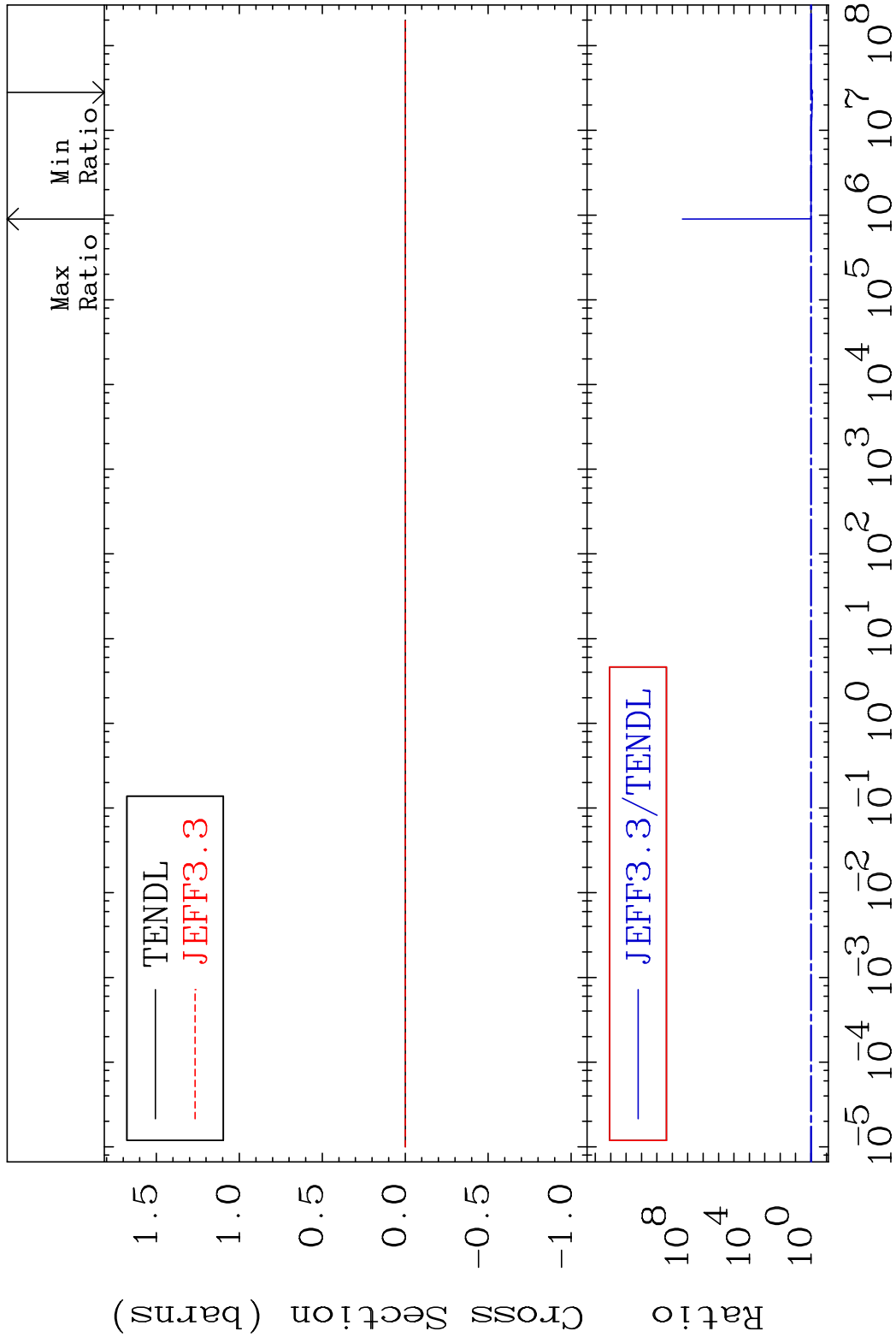


MAT 3043 Kerma inelastic (mt51-91) 30-Zn-70  
 Cross Section -20.68 To 9999. %



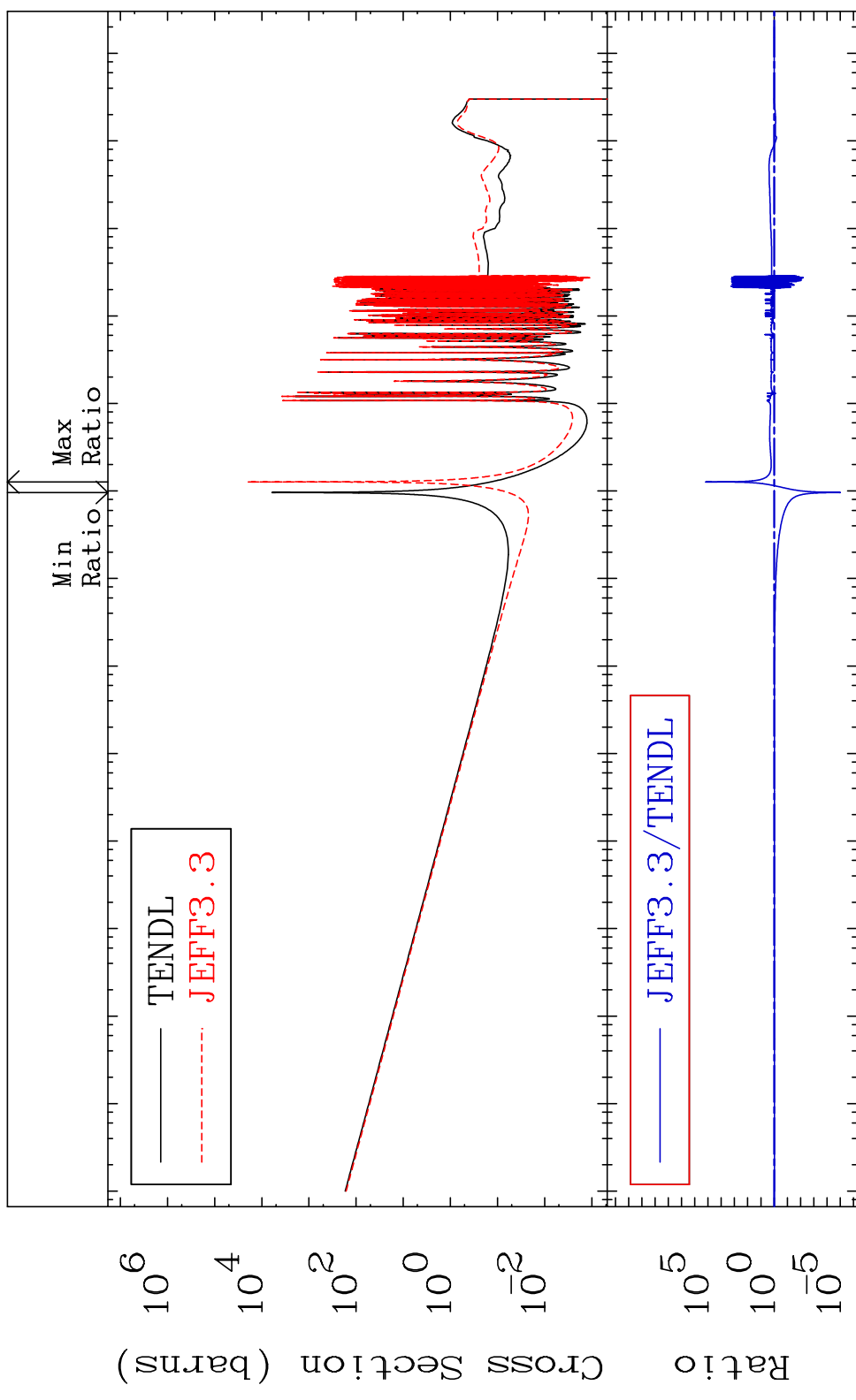
70 Incident Energy (eV) 30-Zn-70

MAT 3043 Kerma fission (mt18 or mt19-20-21-38) 30-Zn-70  
 Cross Section -20.68 To 9999. %



MAT 3043

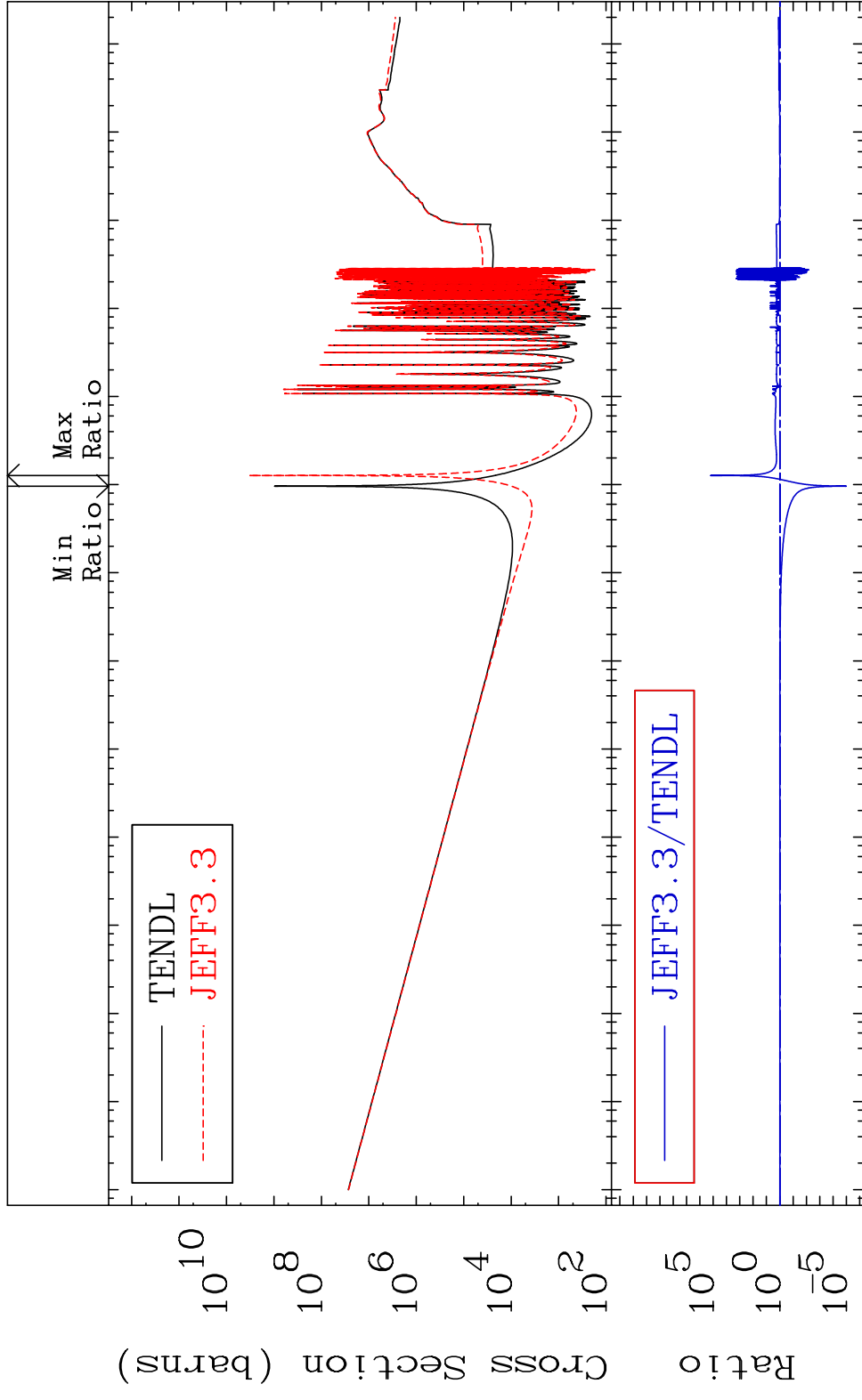
Kerma capture (mt102) 30-Zn-70  
Cross Section -100.0 To 9999. %



72

Incident Energy (eV) 30-Zn-70

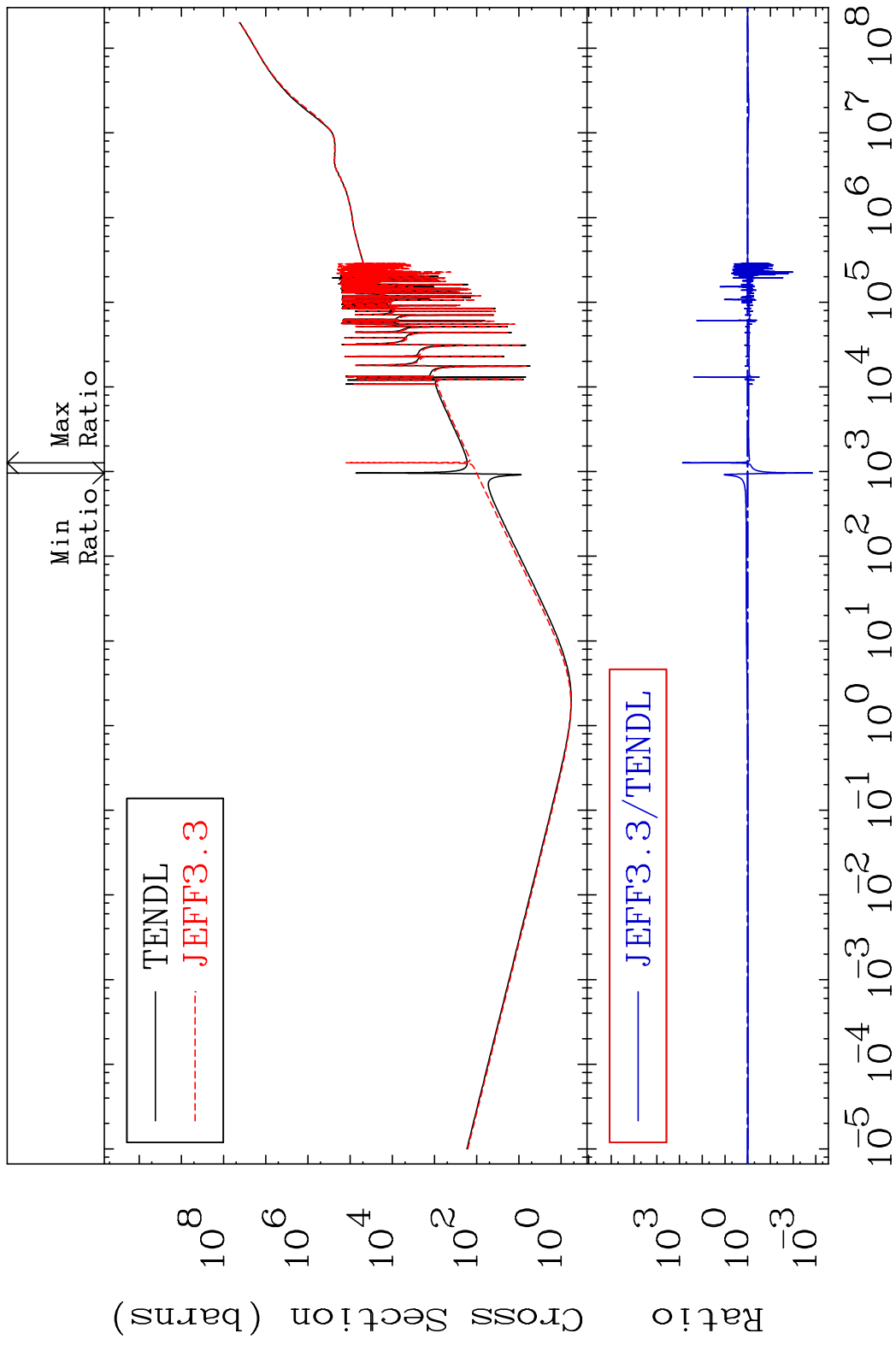
MAT 3043 Total photon (eV-barns) 30-Zn-70  
Cross Section -100.0 To 9999. %



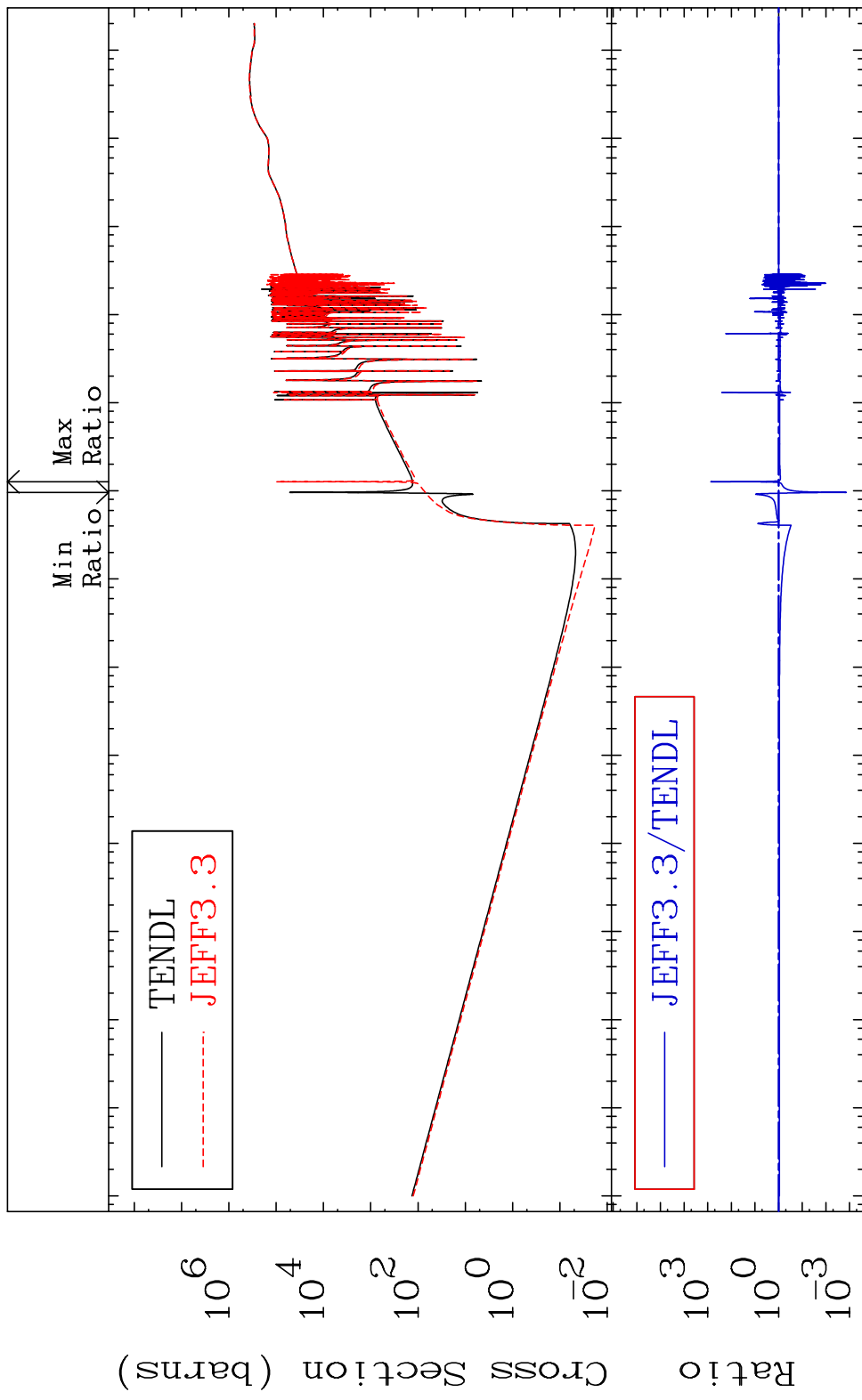
73

Incident Energy (eV) 30-Zn-70

MAT 3043 Total kinematic kerma (high limit) 30-Zn-70  
 Cross Section -99.86 To 9999. %

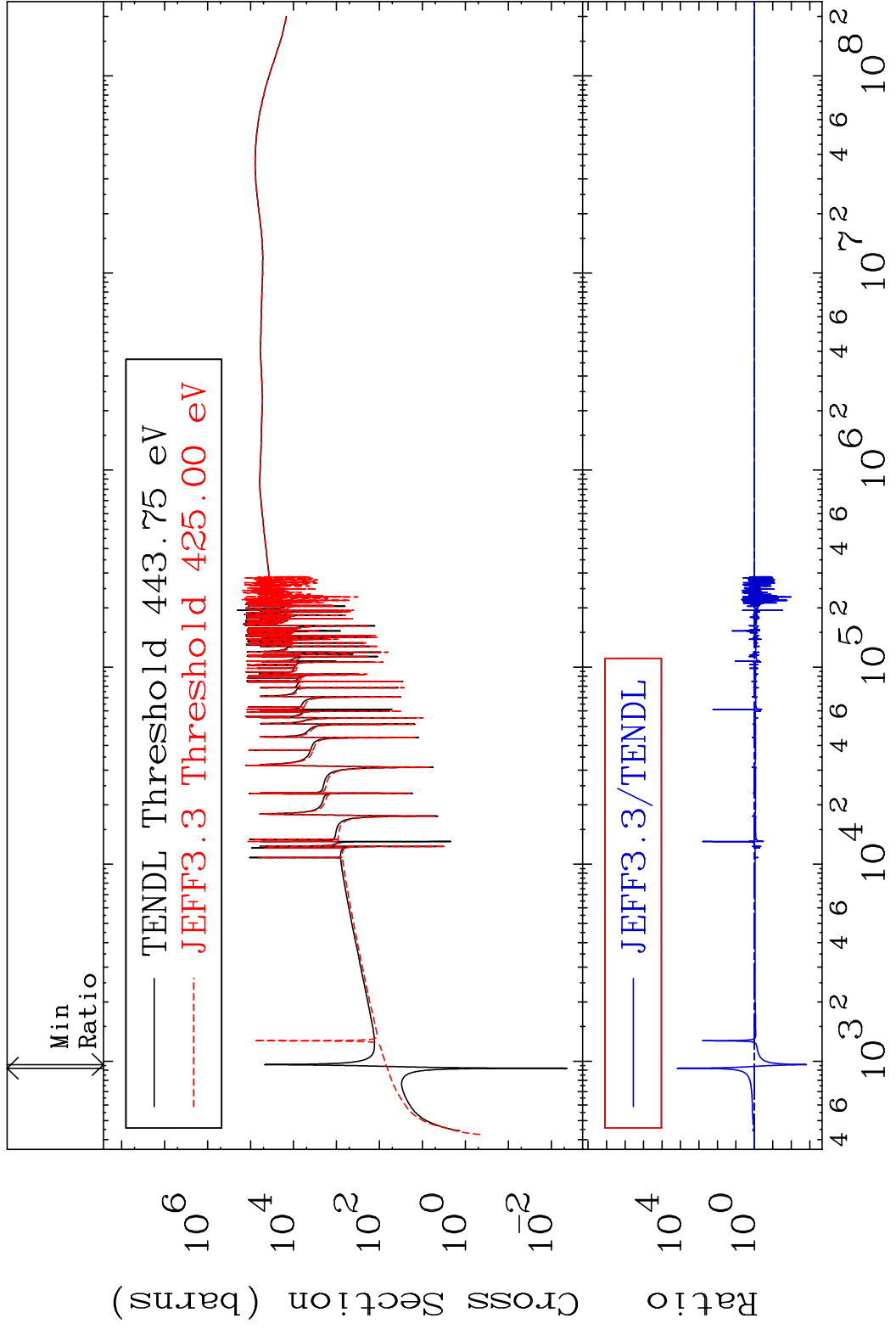


MAT 3043      Dpa total (eV-barns)      30-Zn-70  
 Cross Section      -99.86 To 9999. %

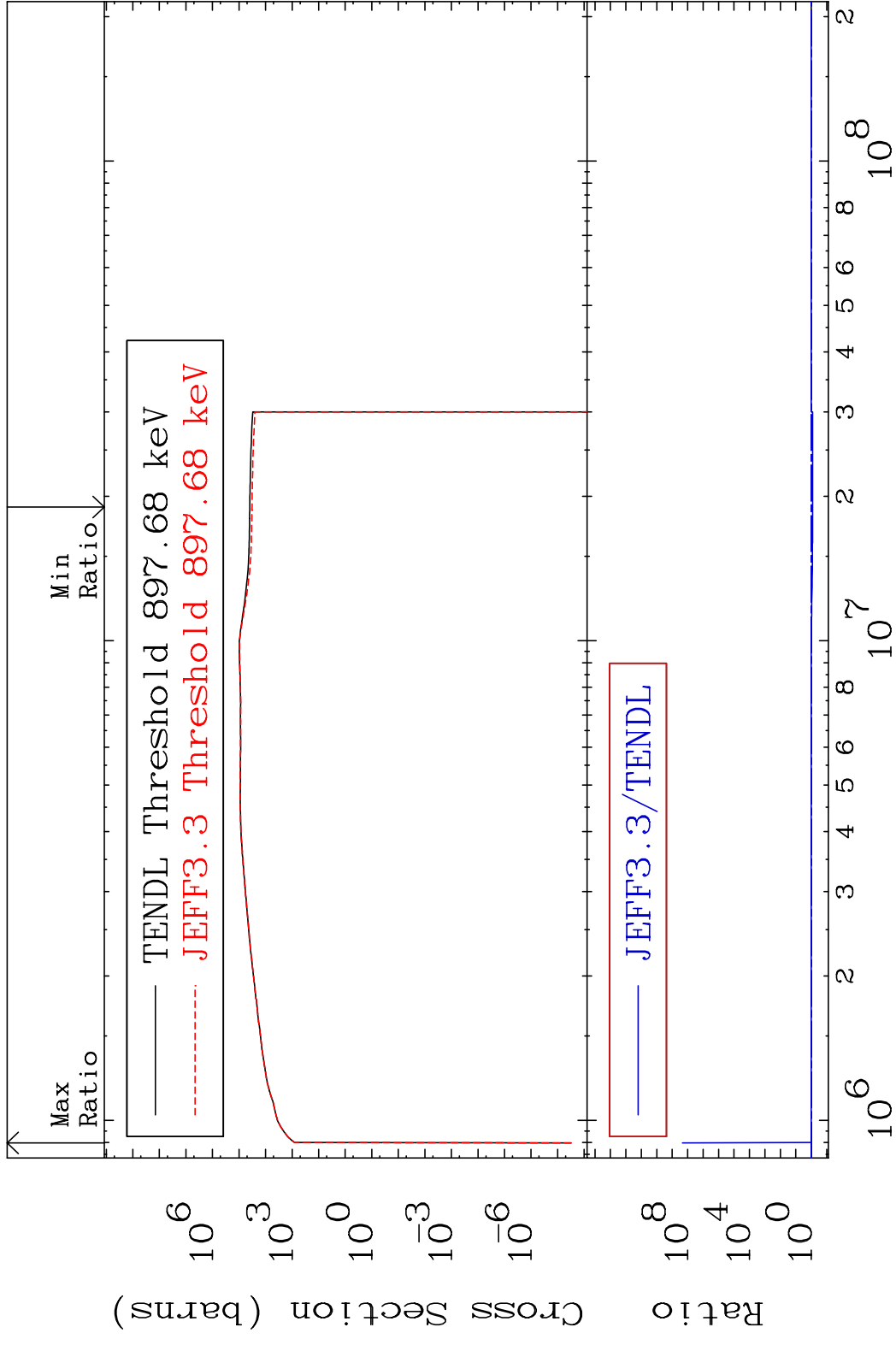


75      Incident Energy (eV)      30-Zn-70

MAT 3043      Dpa elastic (mt2)      30-Zn-70  
 Cross Section      -99.85 To 9999. %

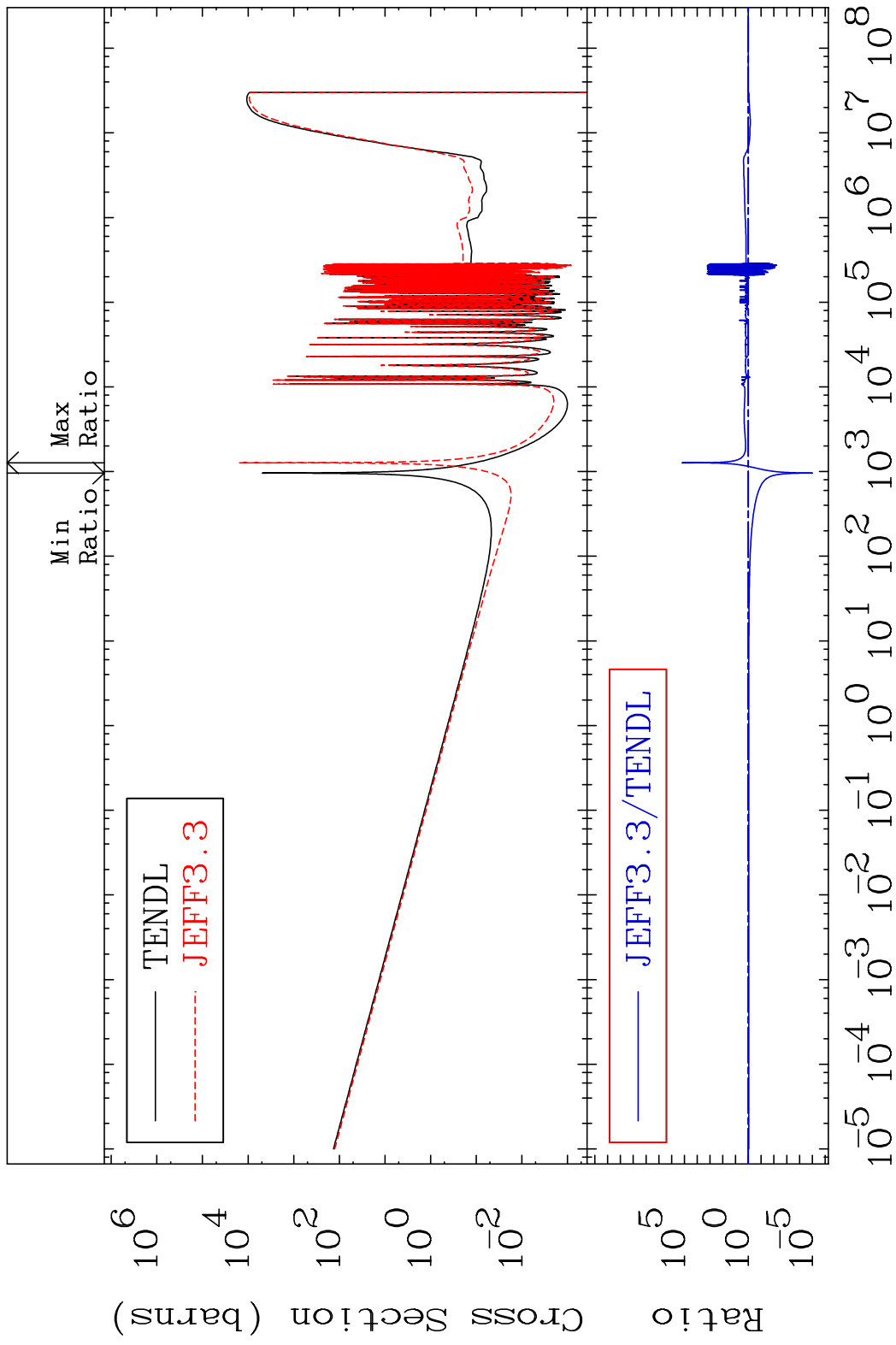


MAT 3043 Dpa inelastic (mt51-91) 30-Zn-70  
 Cross Section -17.67 To 9999. %

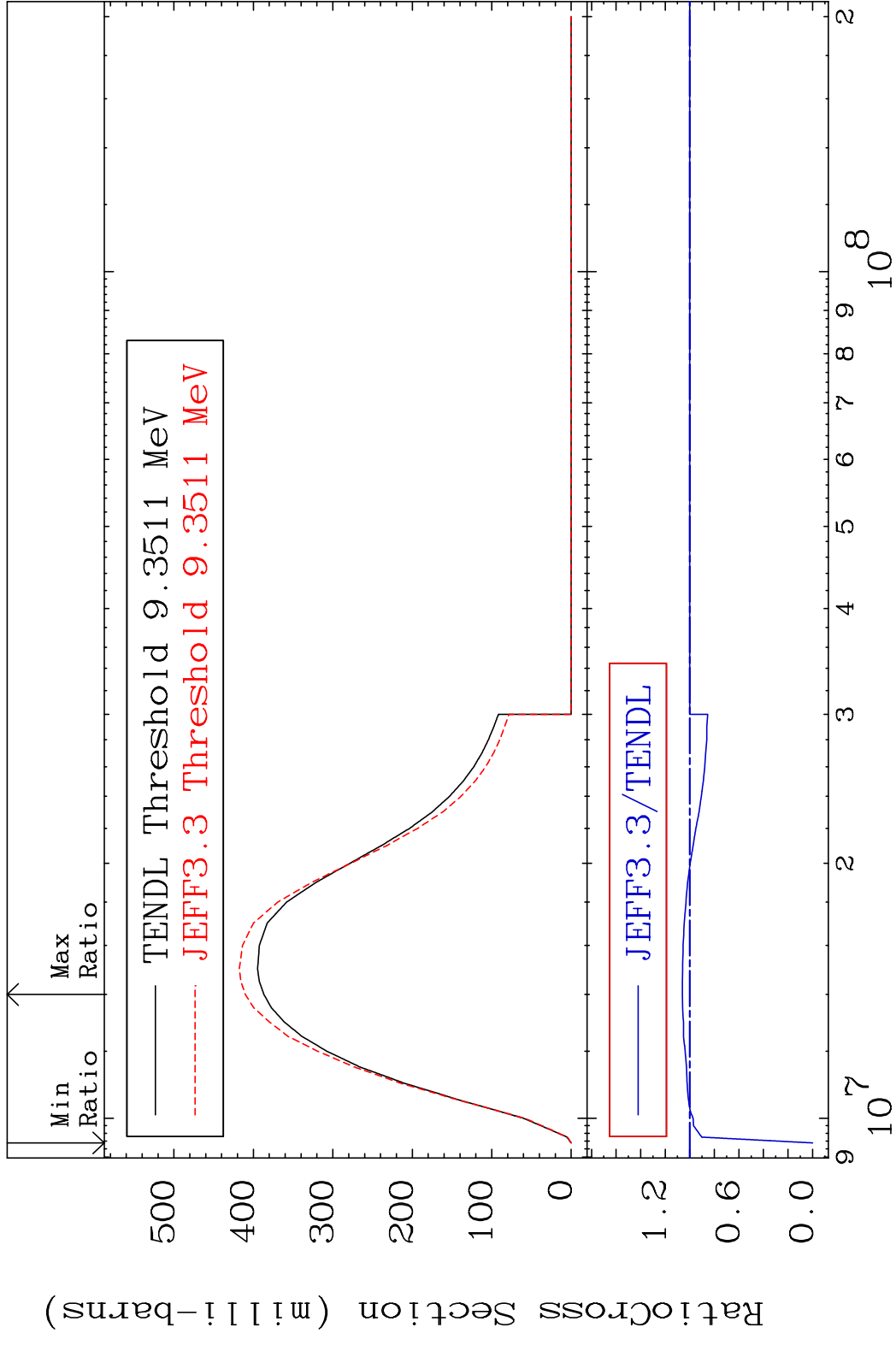


77 Incident Energy (eV) 30-Zn-70

MAT 3043 Dpa disappearance (mt102 -120) 30-Zn-70  
 Cross Section -100.0 To 9999. %

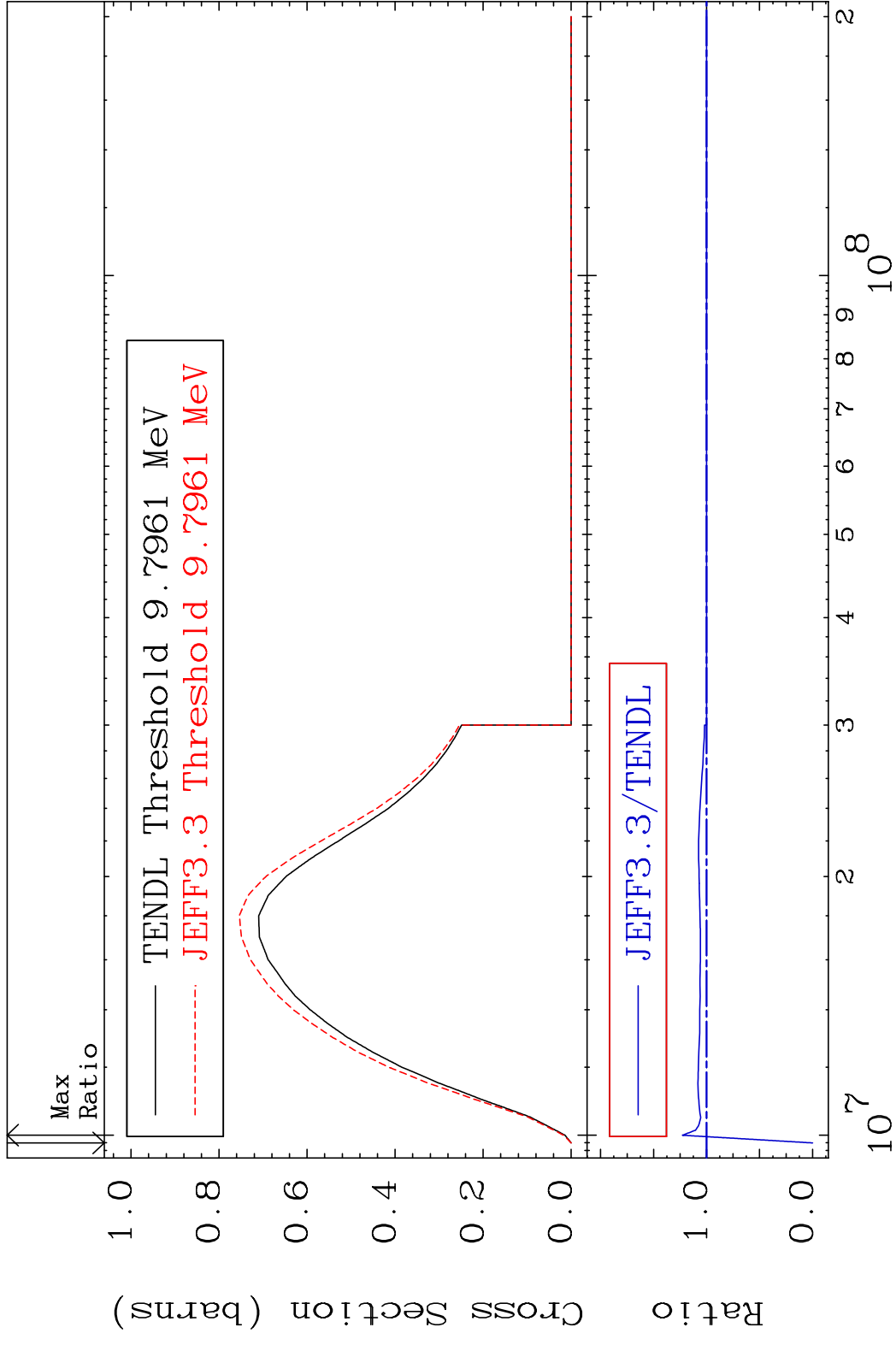


MAT 3043 (n,2n):30-Zn-69g 30-Zn-70  
 Radionuclide Production Cross Section Ratio 6.030 %



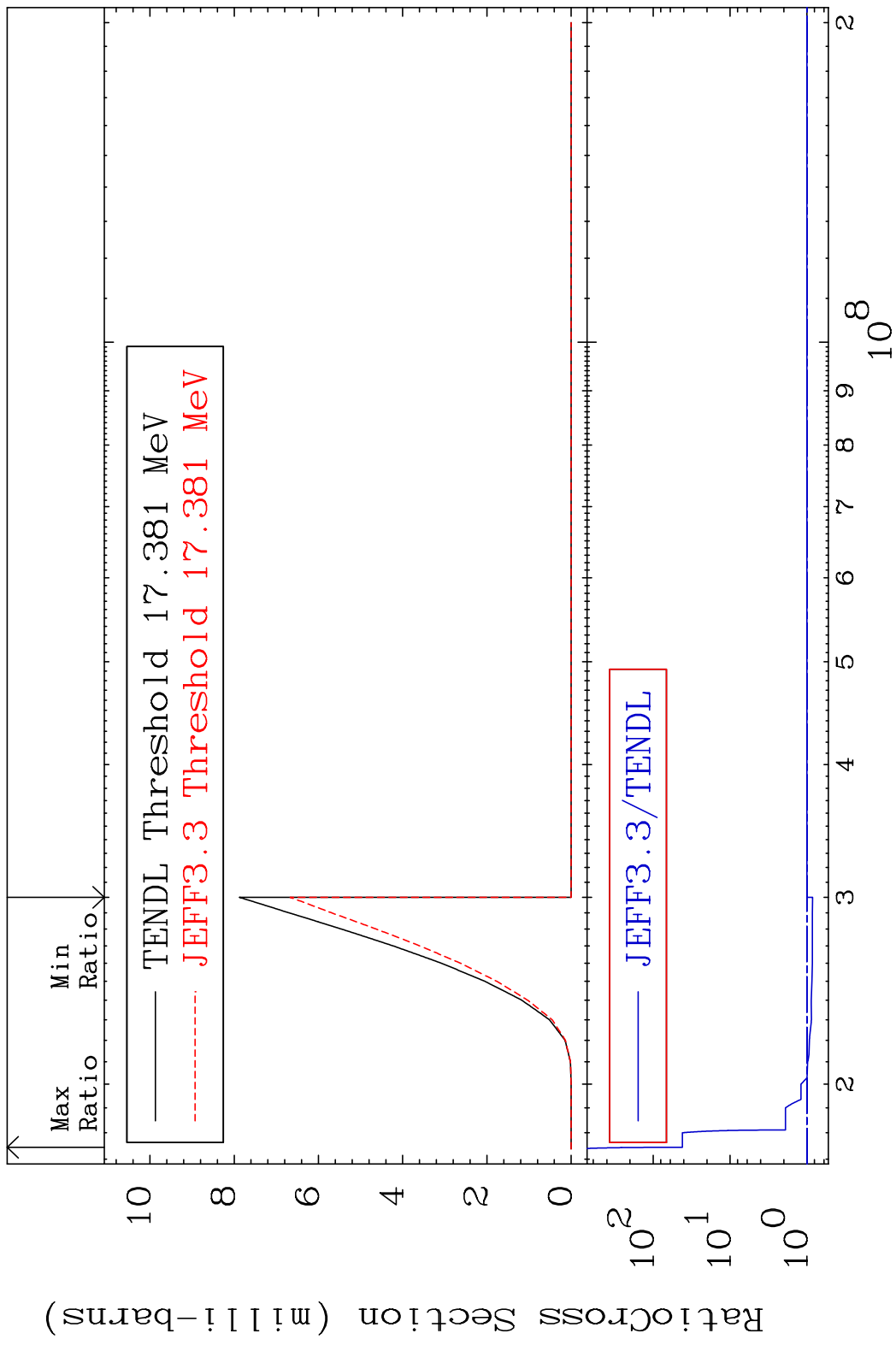
79 Incident Energy (eV) 30-Zn-70

MAT 3043 (n,2n):30-Zn-69m1 30-Zn-70  
 Radionuclide Production Cross Section Ratio 22.86 %

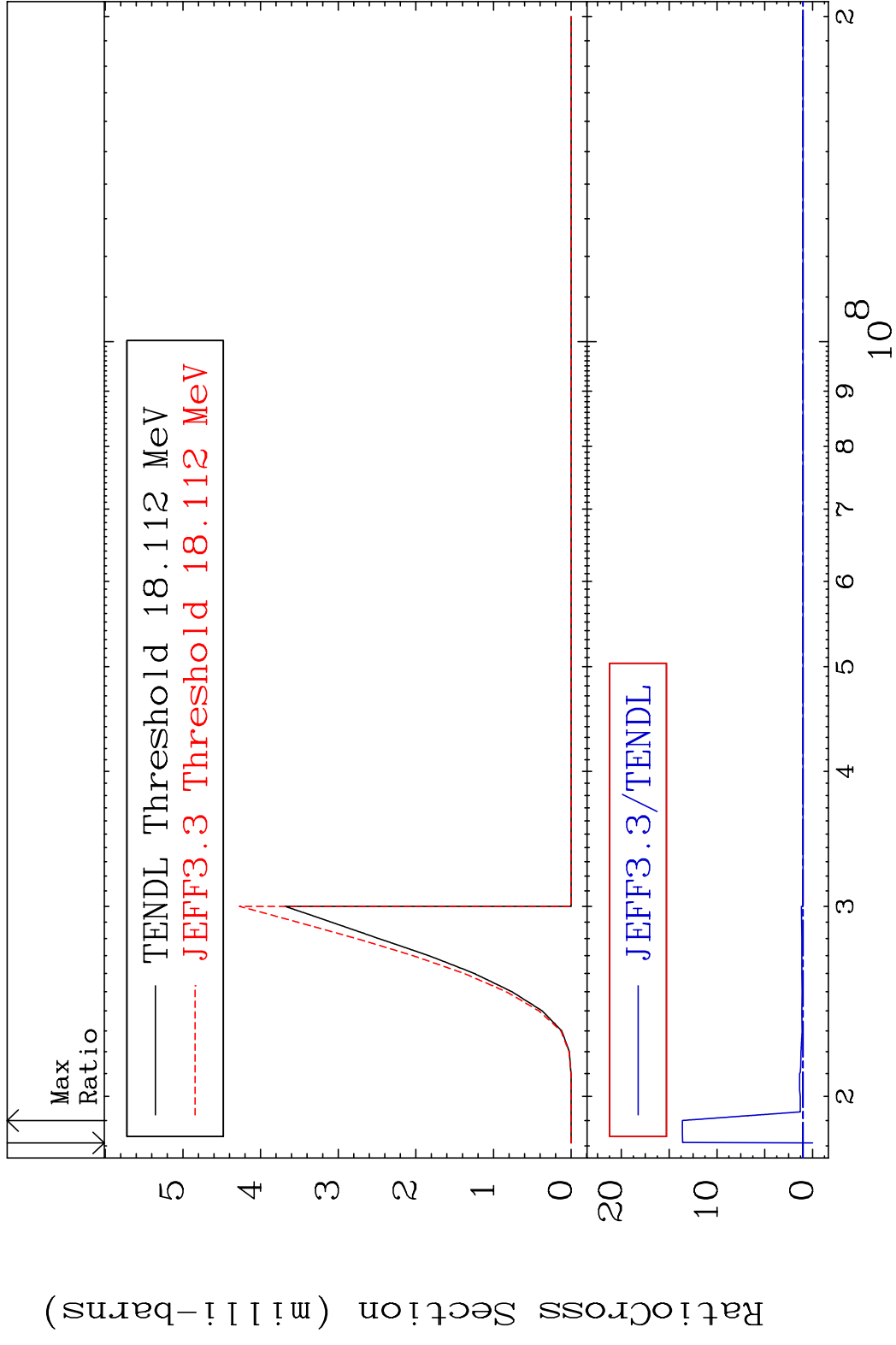


80 Incident Energy (eV) 30-Zn-70

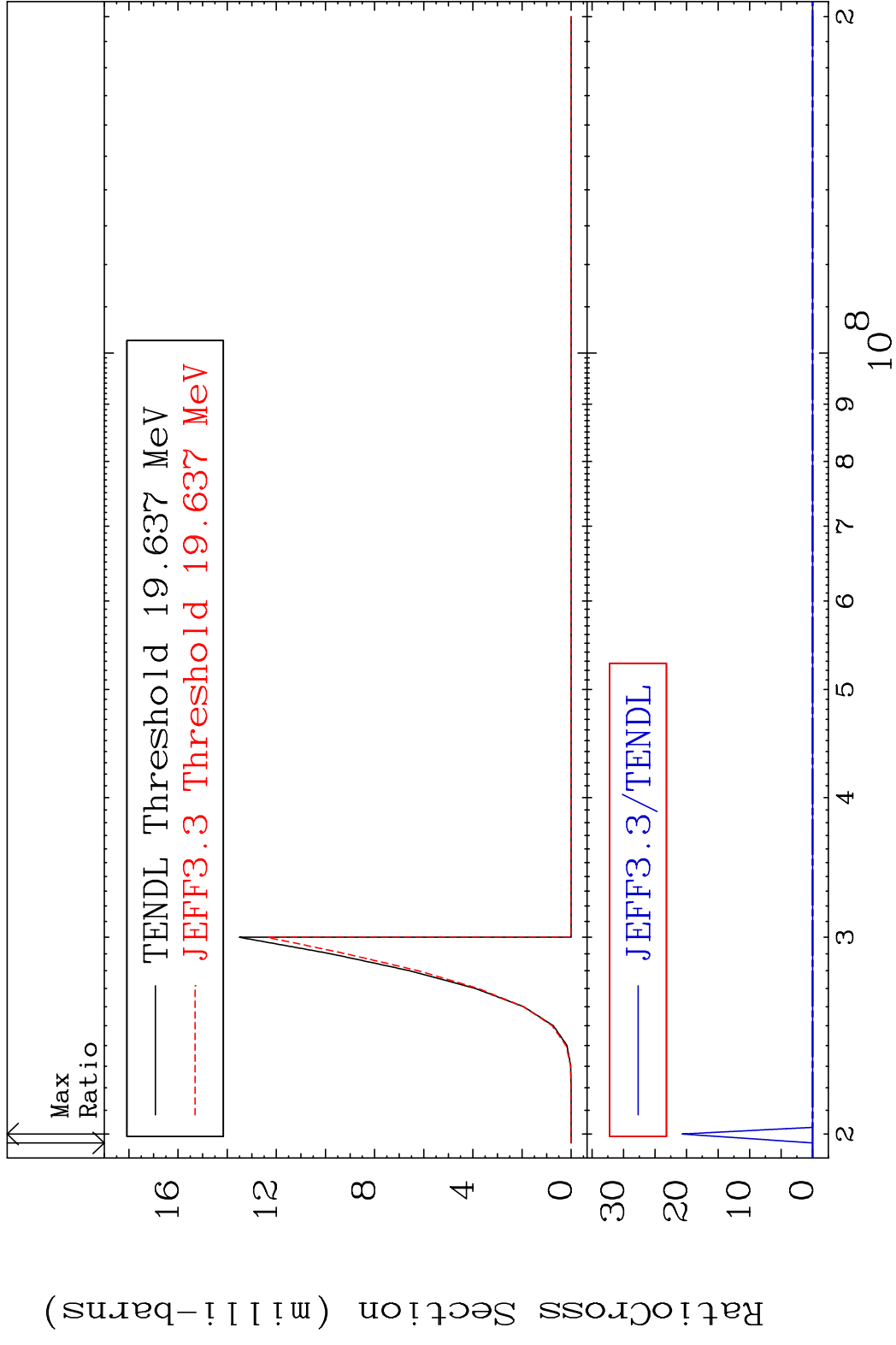
MAT 3043 (n, n') d:29-Cu-68g 30-Zn-70  
 Radionuclide Production Cross Section 4074. %



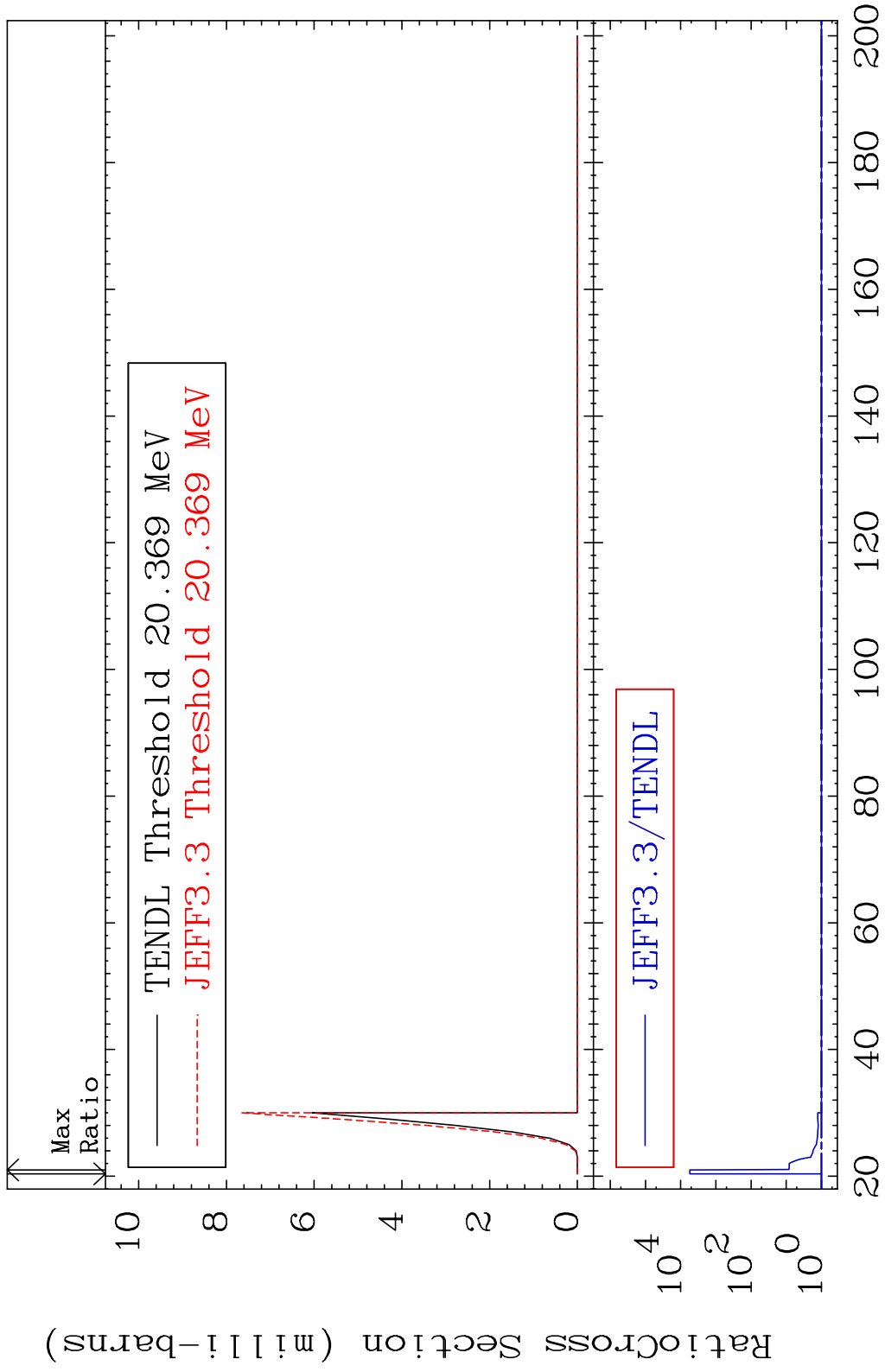
MAT 3043 (n, n') d:29-Cu-68m3 30-Zn-70  
 Radionuclide Production Cross Section 186.01 dno 1262. %



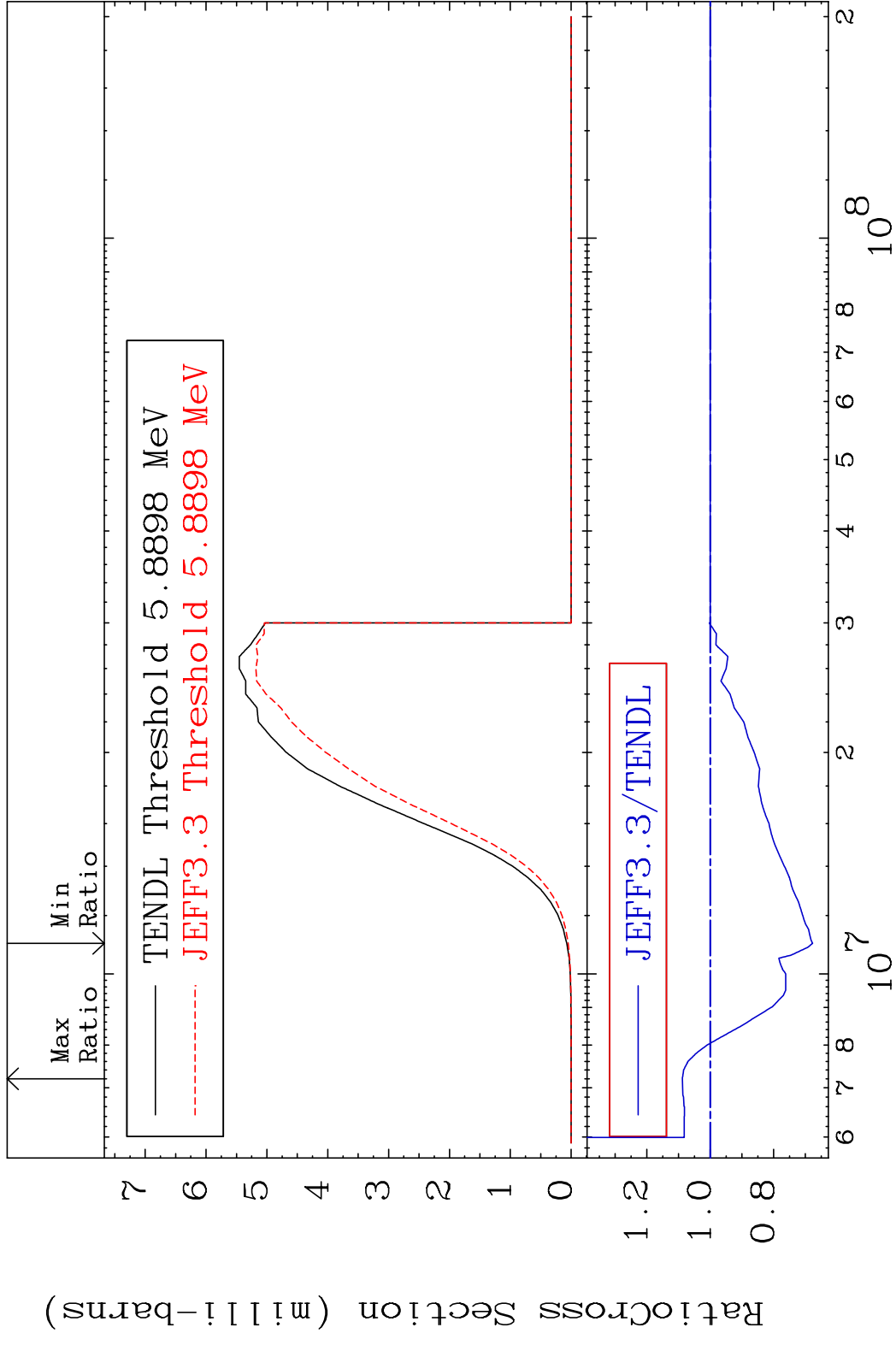
MAT 3043 (n,2n) p:29-Cu-68g 30-Zn-70  
 Radionuclide Production Cross Section Ratio 9999. %



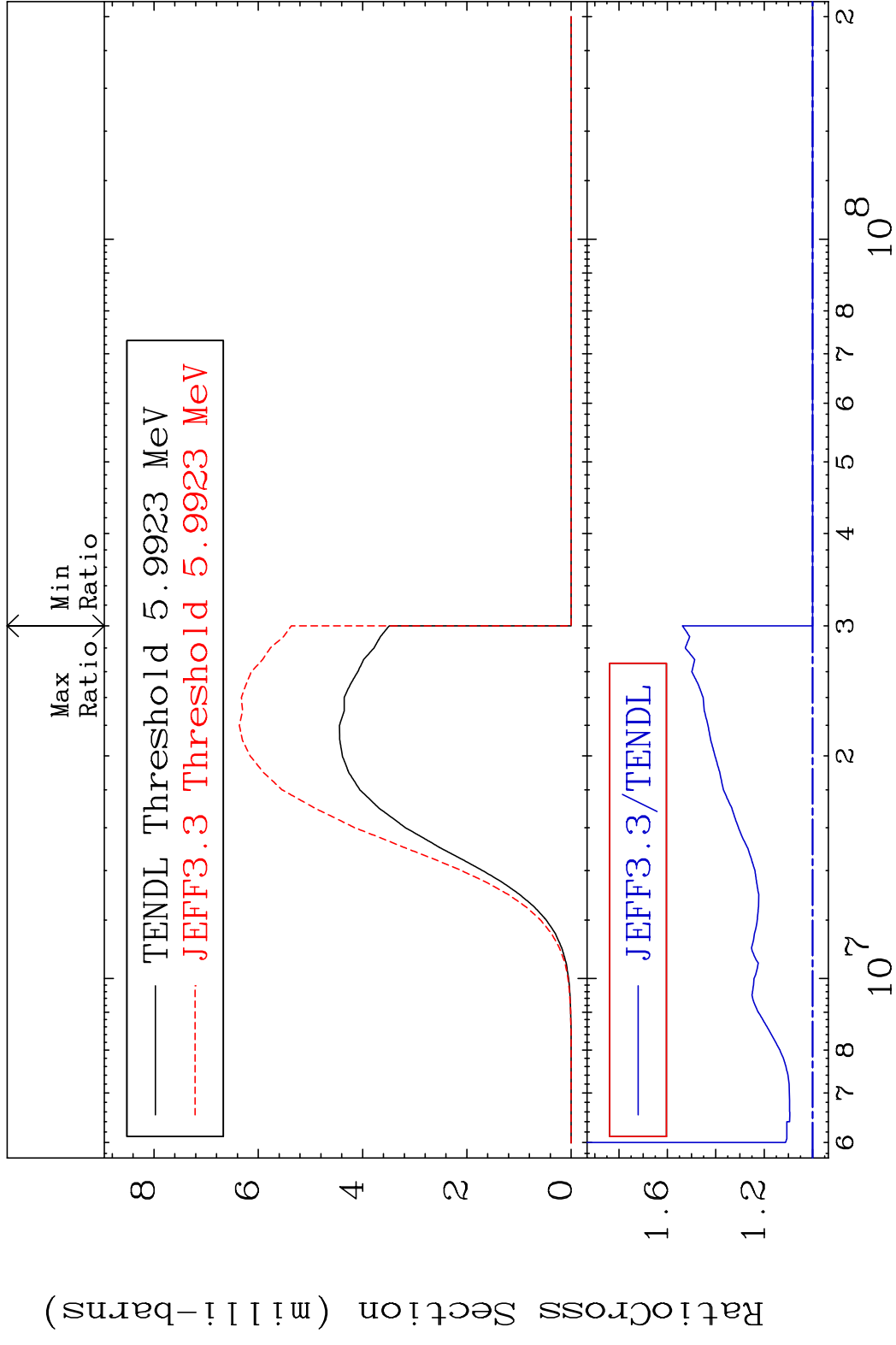
MAT 3043 (n,2n) p:29-Cu-68m3 30-Zn-70  
 Radionuclide Production Cross Section, %



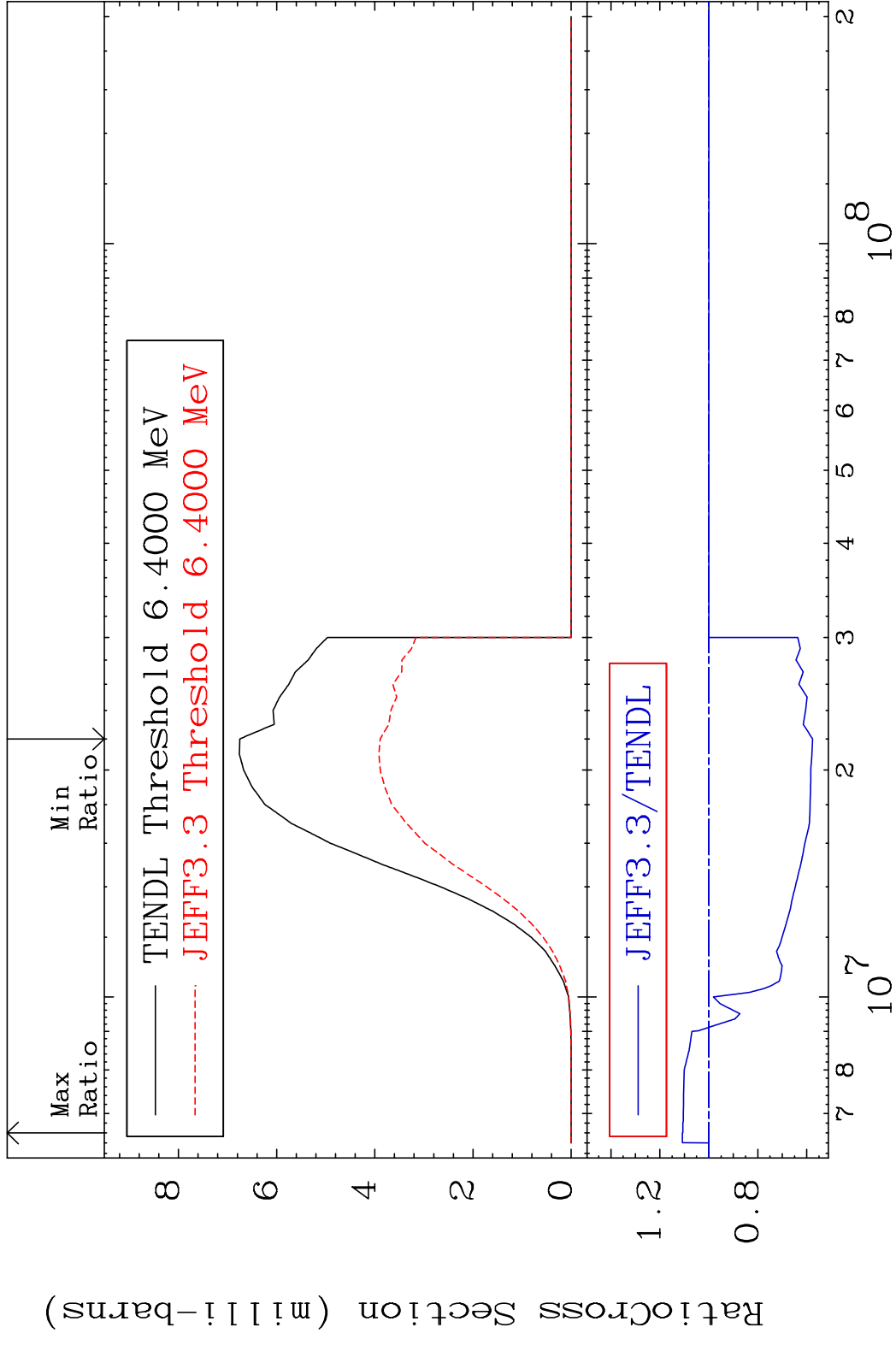
MAT 3043 (n, p) : 29-Cu-70g 30-Zn-70  
 Radionuclide Production Cross Section 8.804 %

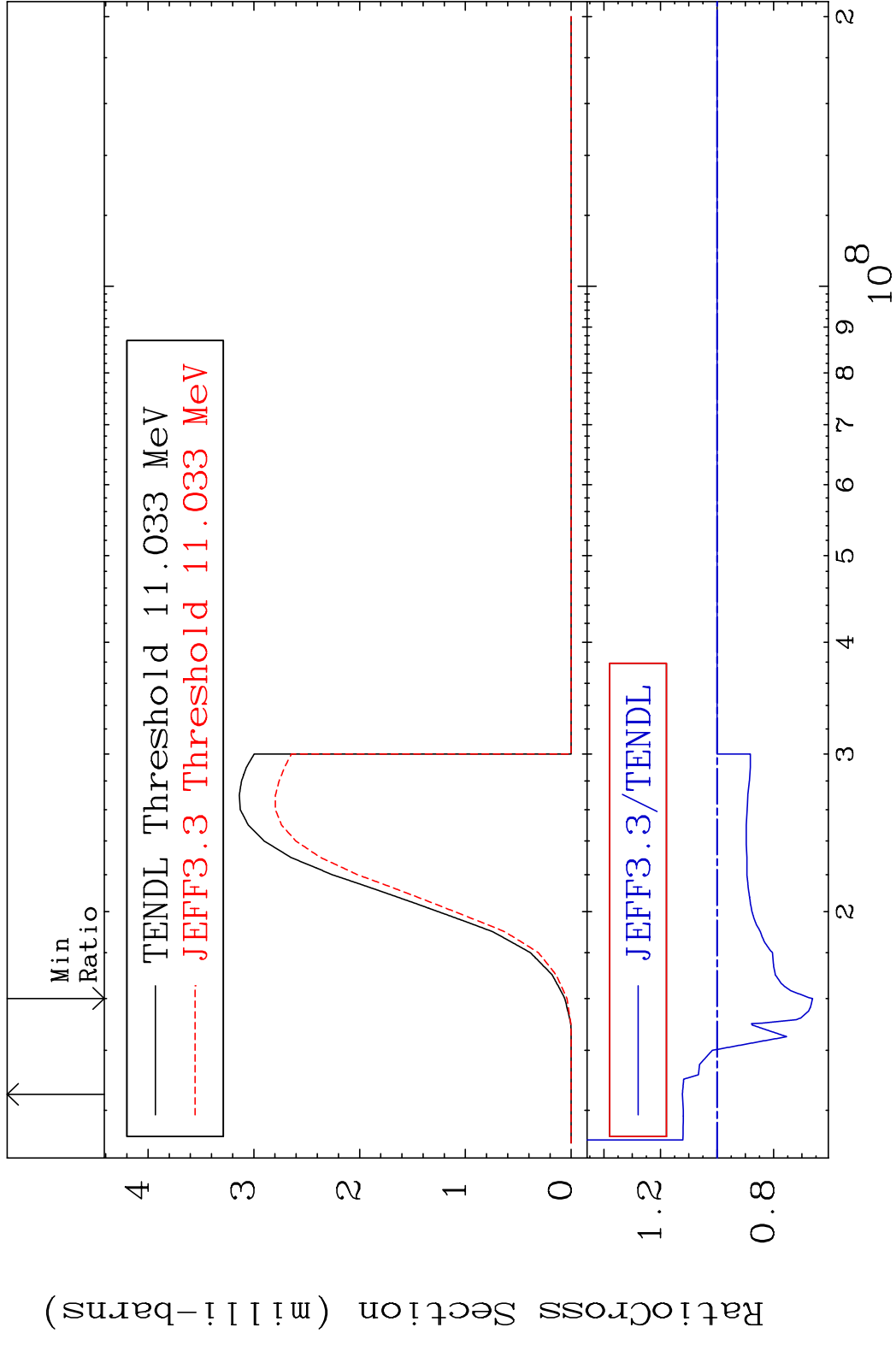


MAT 3043 (n,p):29-Cu-70m1 30-Zn-70  
 Radionuclide Production Cross Section 53.80 %



MAT 3043 (n,p):29-Cu-70m3 30-Zn-70  
 Radionuclide Production Cross Section 10.81 %





MAT 3043 (n,t):29-Cu-68m3 30-Zn-70  
 Radionuclide Production Cross Section 26.08 %

