

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

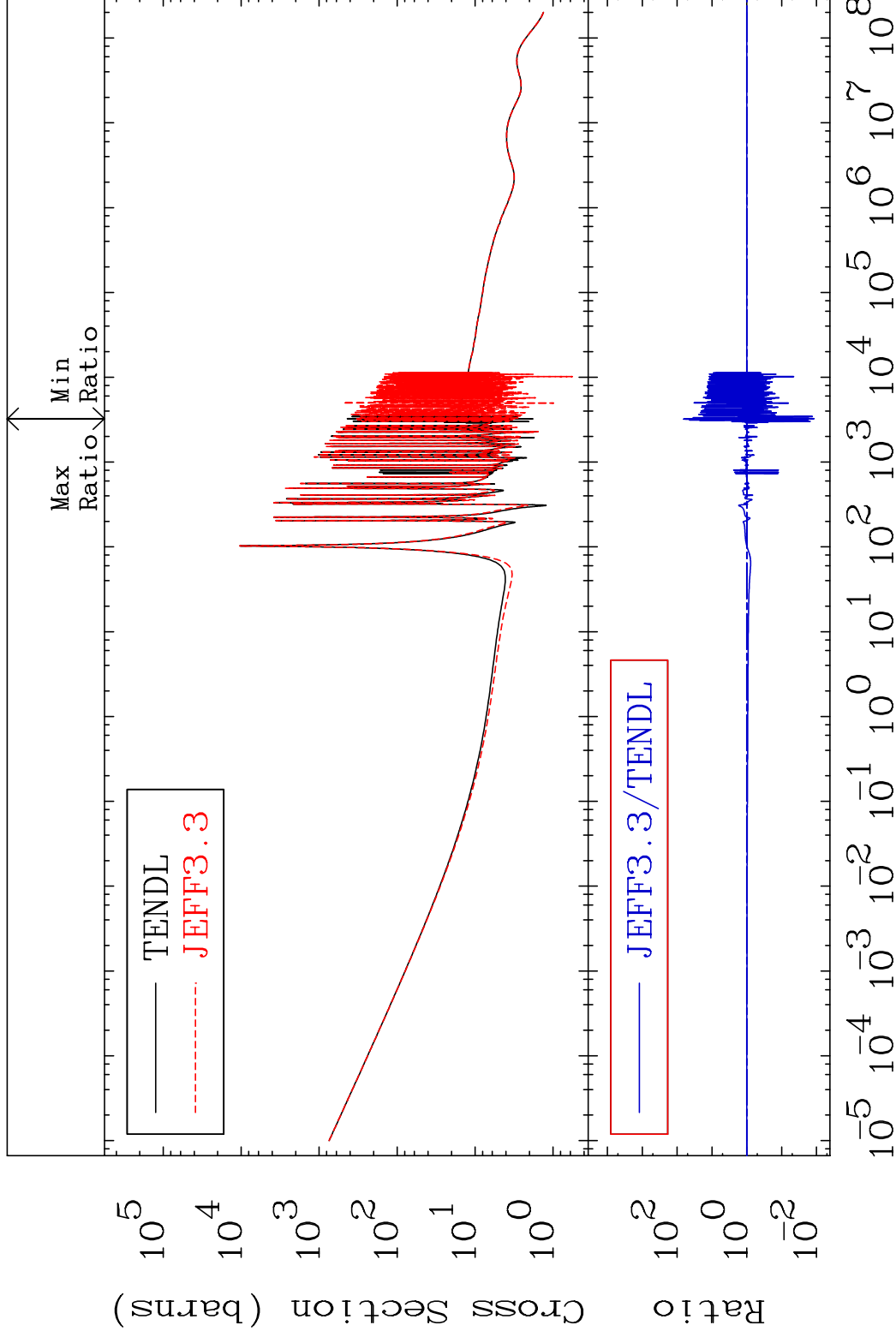
Press Mouse Button to Start

MAT 3234

Total

32-Ge-73

Cross Section -98.83 To 6405. %



1

Incident Energy (eV)

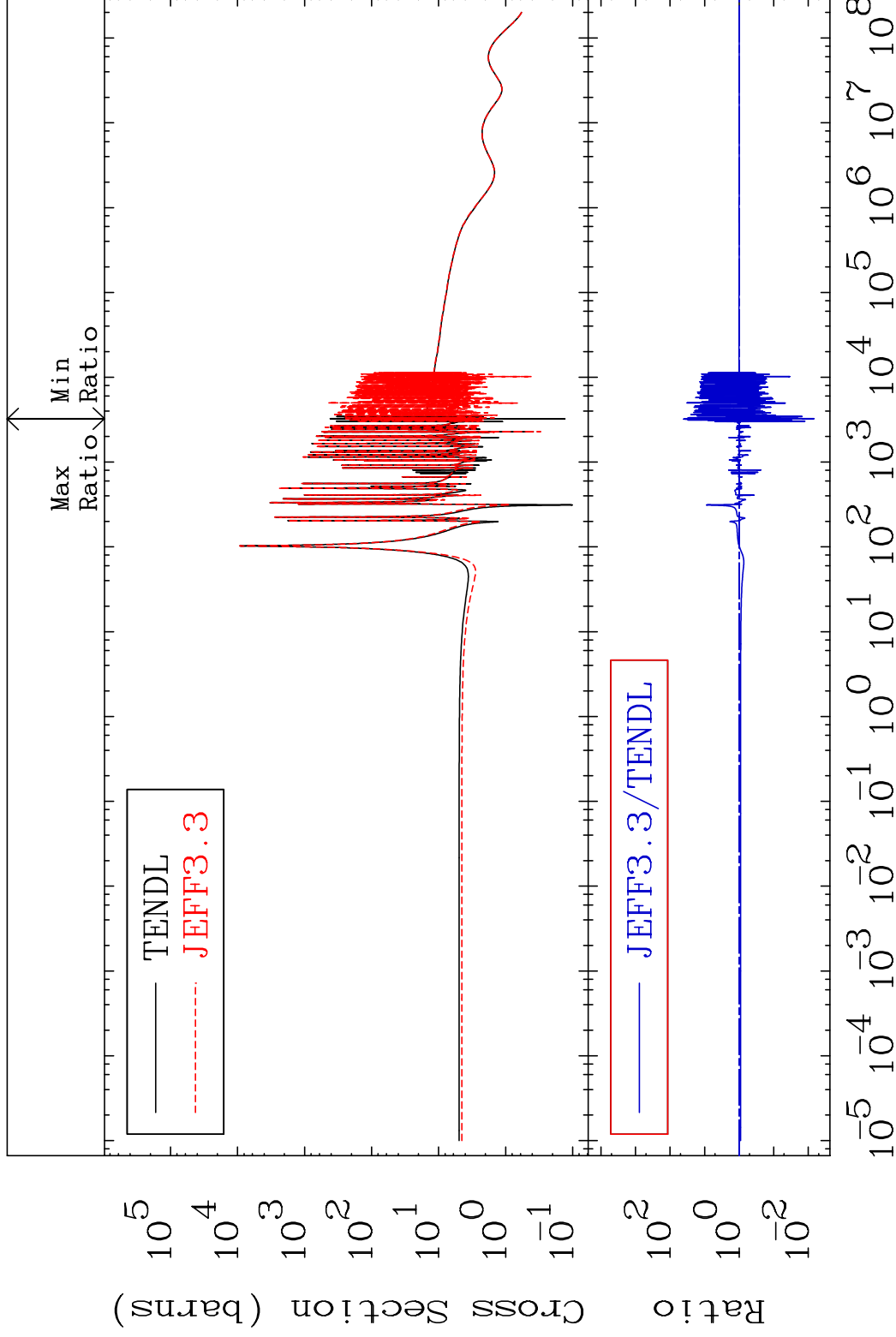
32-Ge-73

MAT 3234

Elastic

32-Ge-73

Cross Section -99.32 To 3946. %

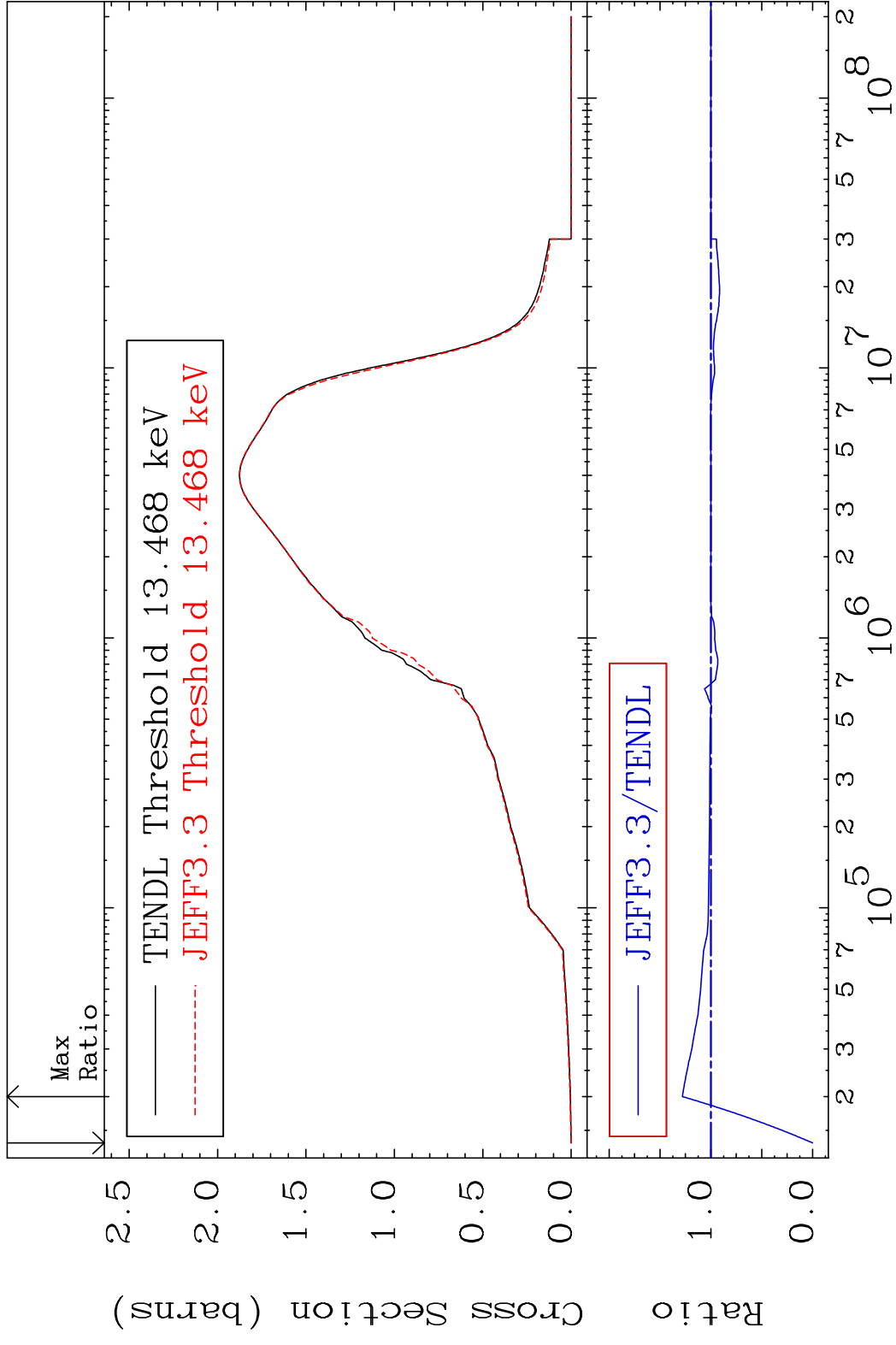


2

Incident Energy (eV)

32-Ge-73

MAT 3234 Inelastic 32-Ge-73
 Cross Section -100.0 To 28.03 %

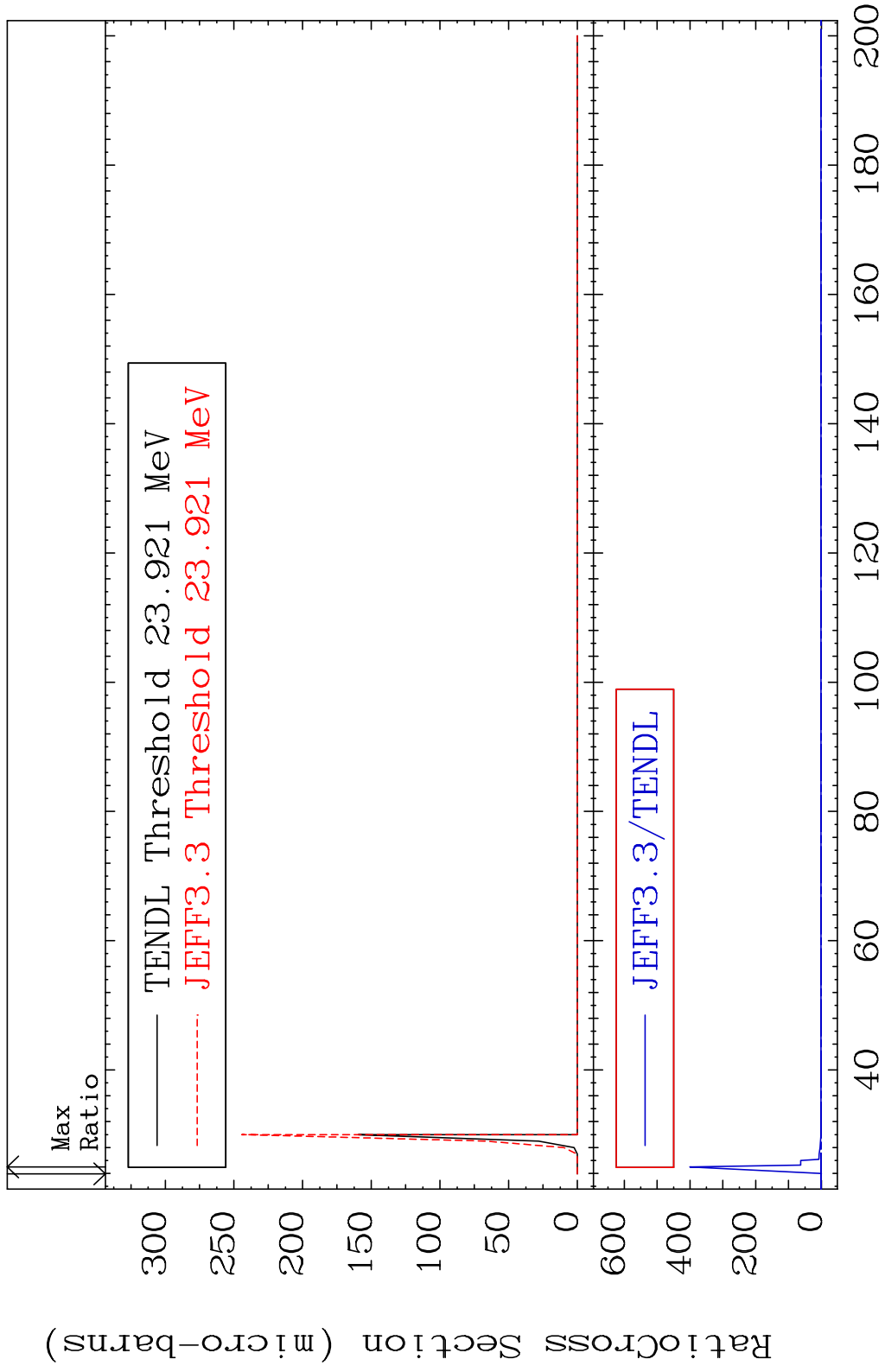


MAT 3234

(n,2n) d

32-Ge-73

Cross Section -100.0 To 9999. %

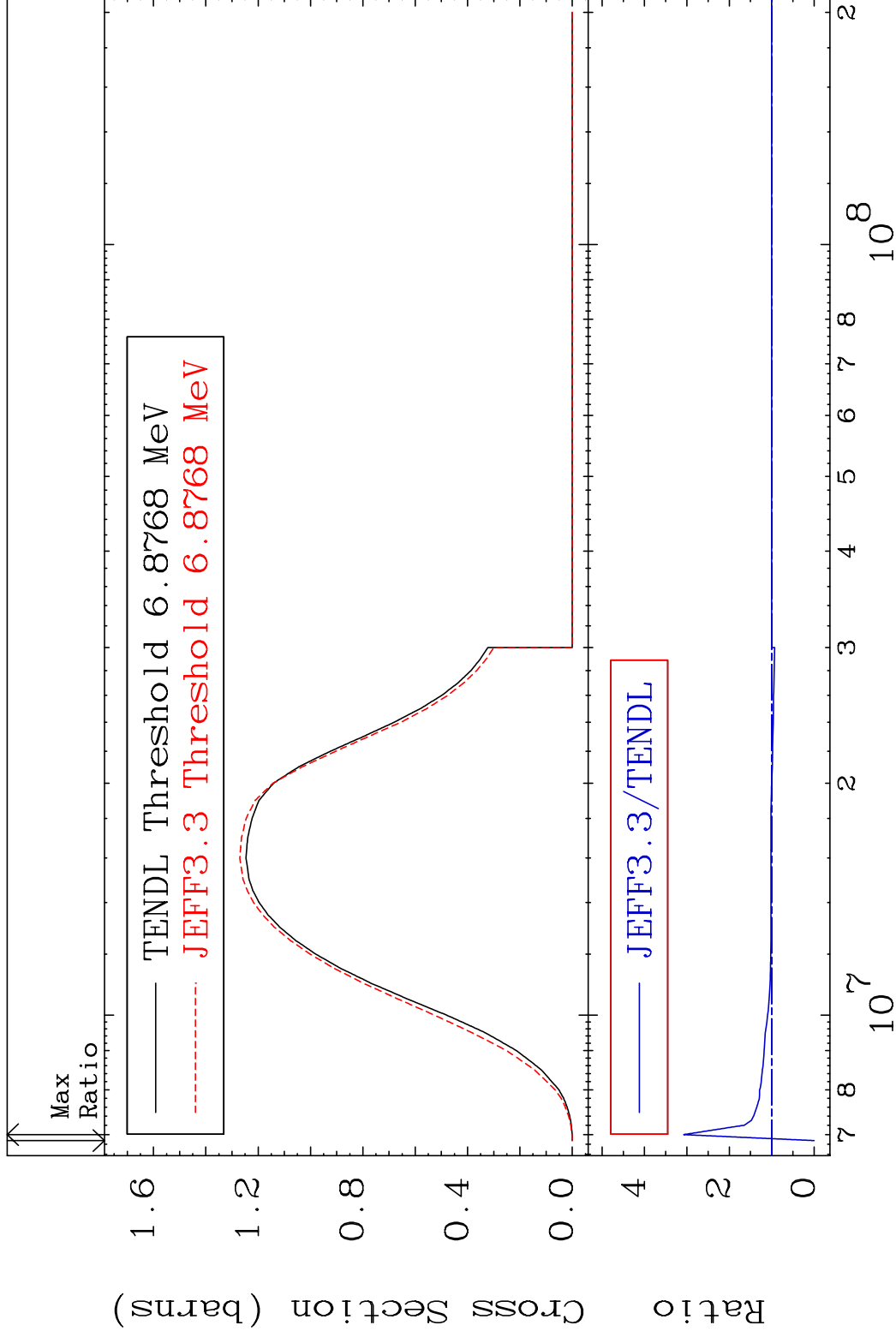


MAT 3234

(n,2n)

³²Ge-73

Cross Section -100.0 To 207.6 %



5

Incident Energy (eV)

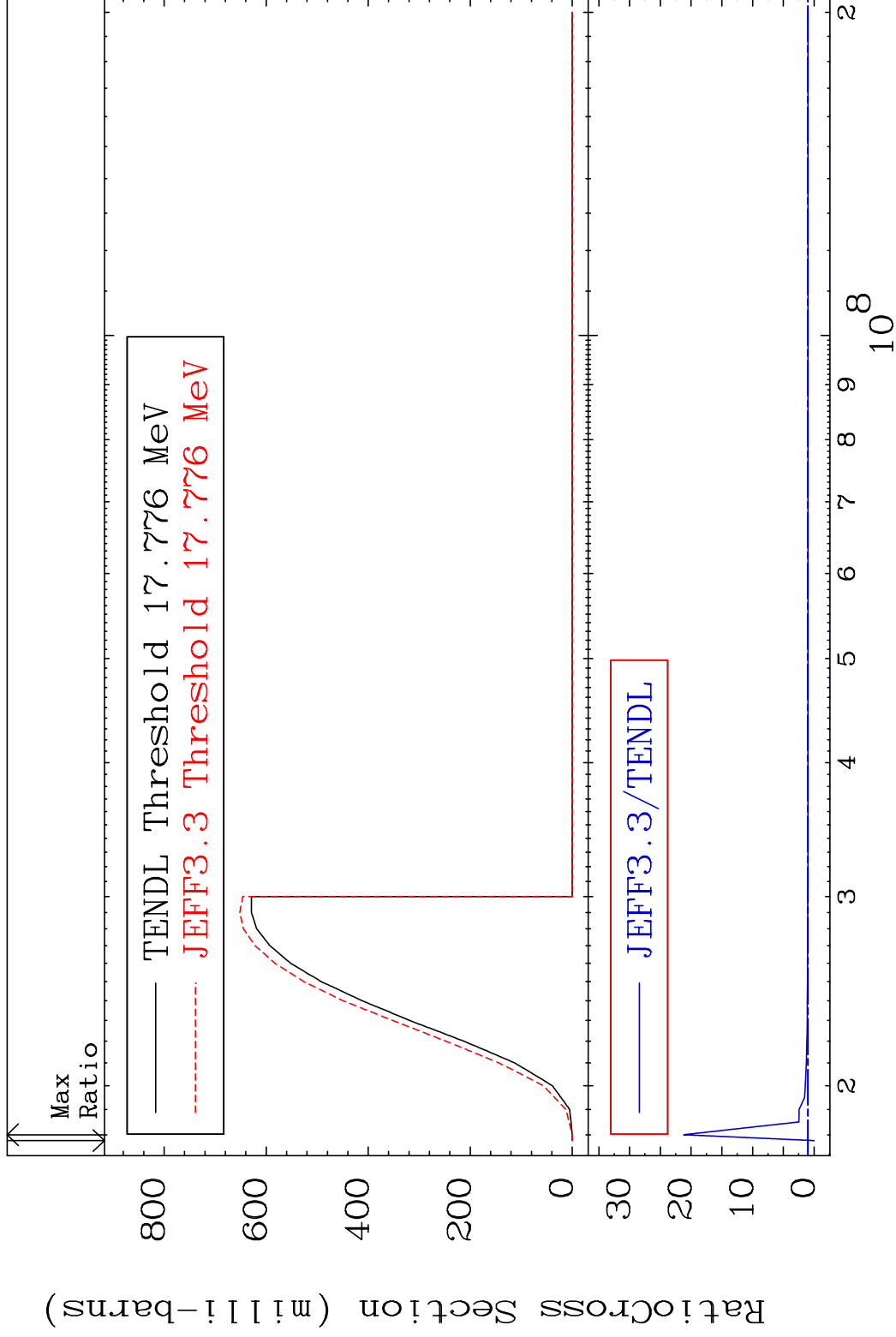
³²Ge-73

MAT 3234

(n,3n)

32-Ge-73

Cross Section -100.0 To 2021. %



6

Incident Energy (eV)

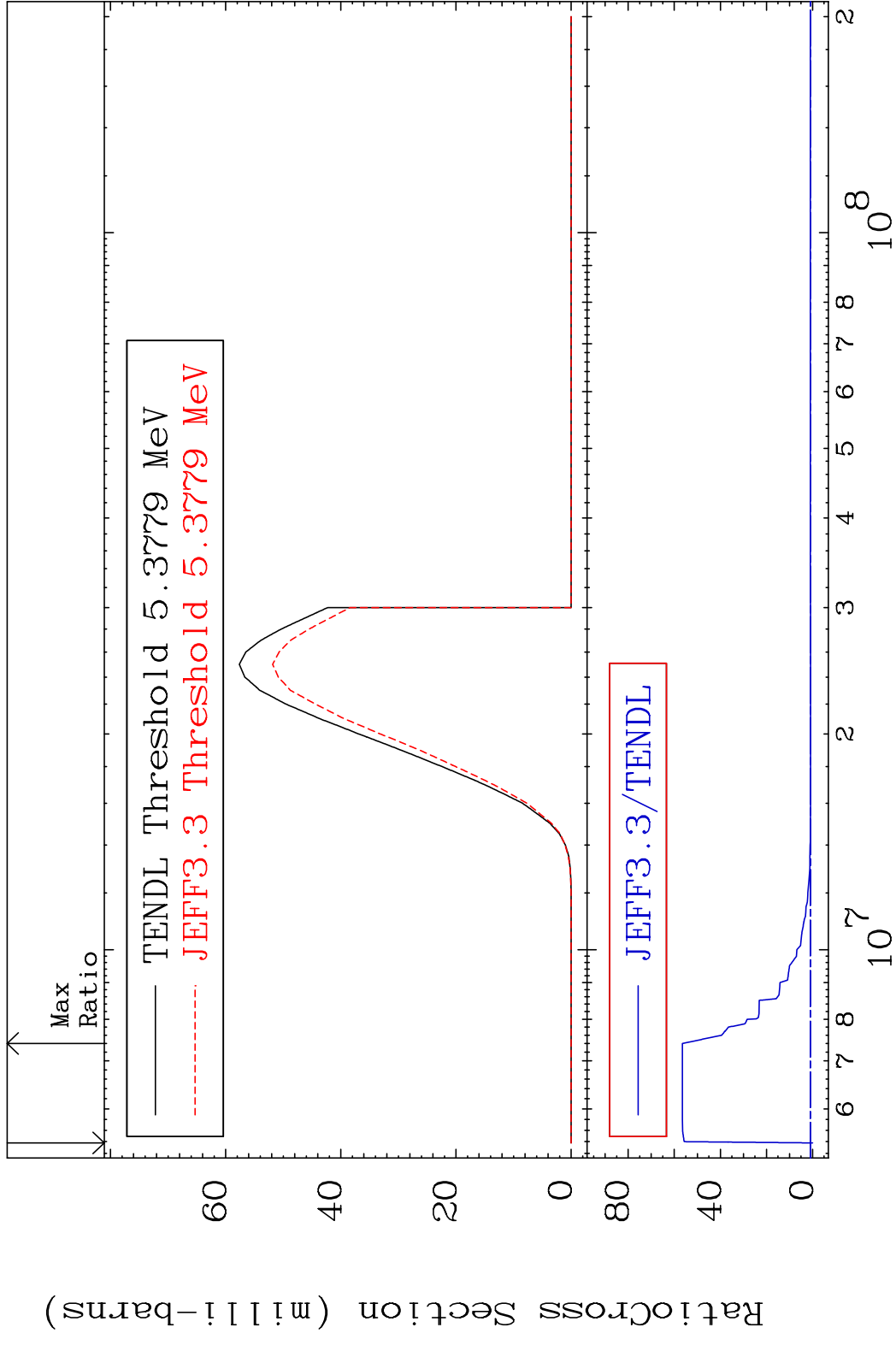
32-Ge-73

MAT 3234

32-Ge-73

(n, n') α

Cross Section -100.0 To 5550. %



7

Incident Energy (eV)

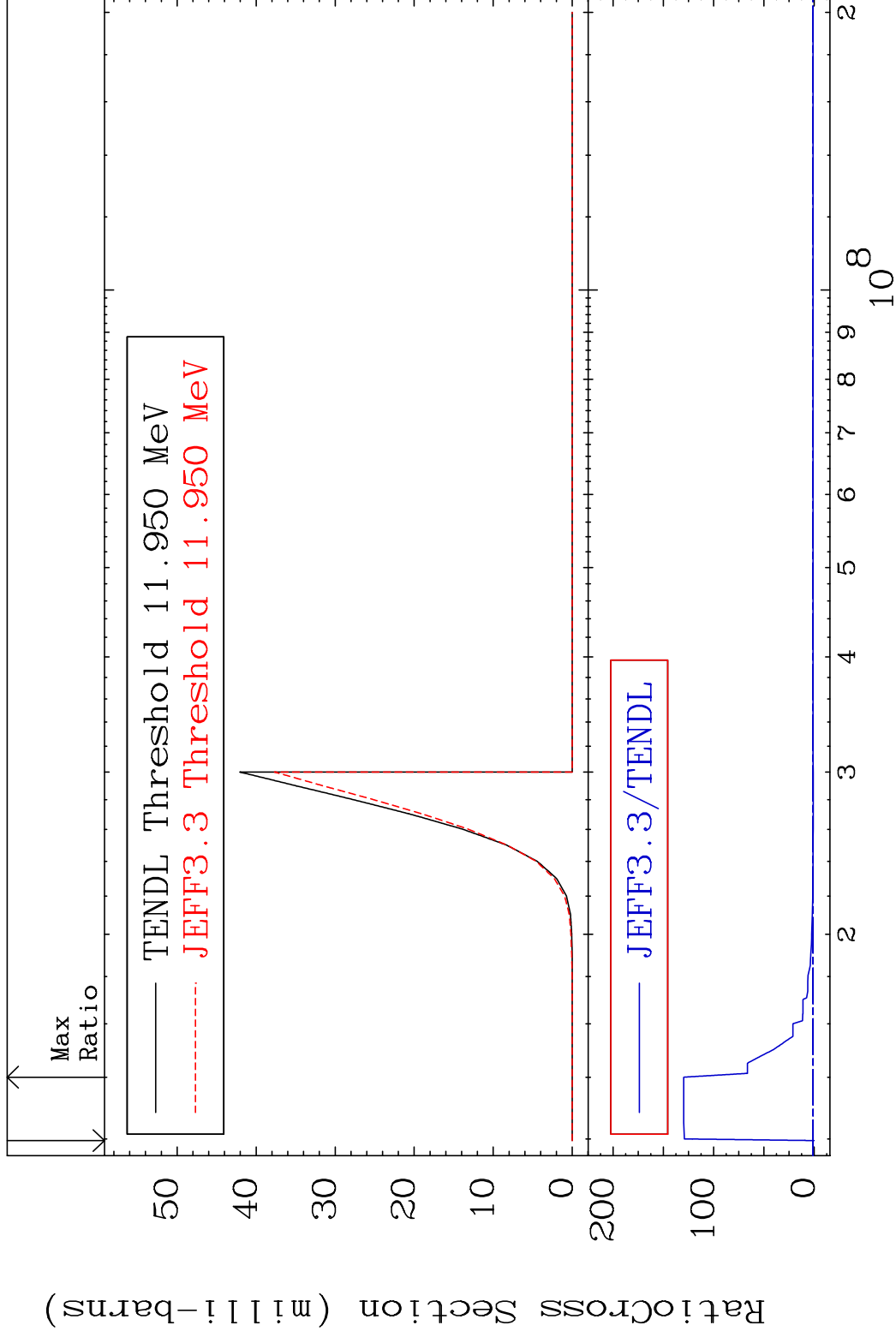
32-Ge-73

MAT 3234

(n,2n) α

32-Ge-73

Cross Section -100.0 To 9999. %

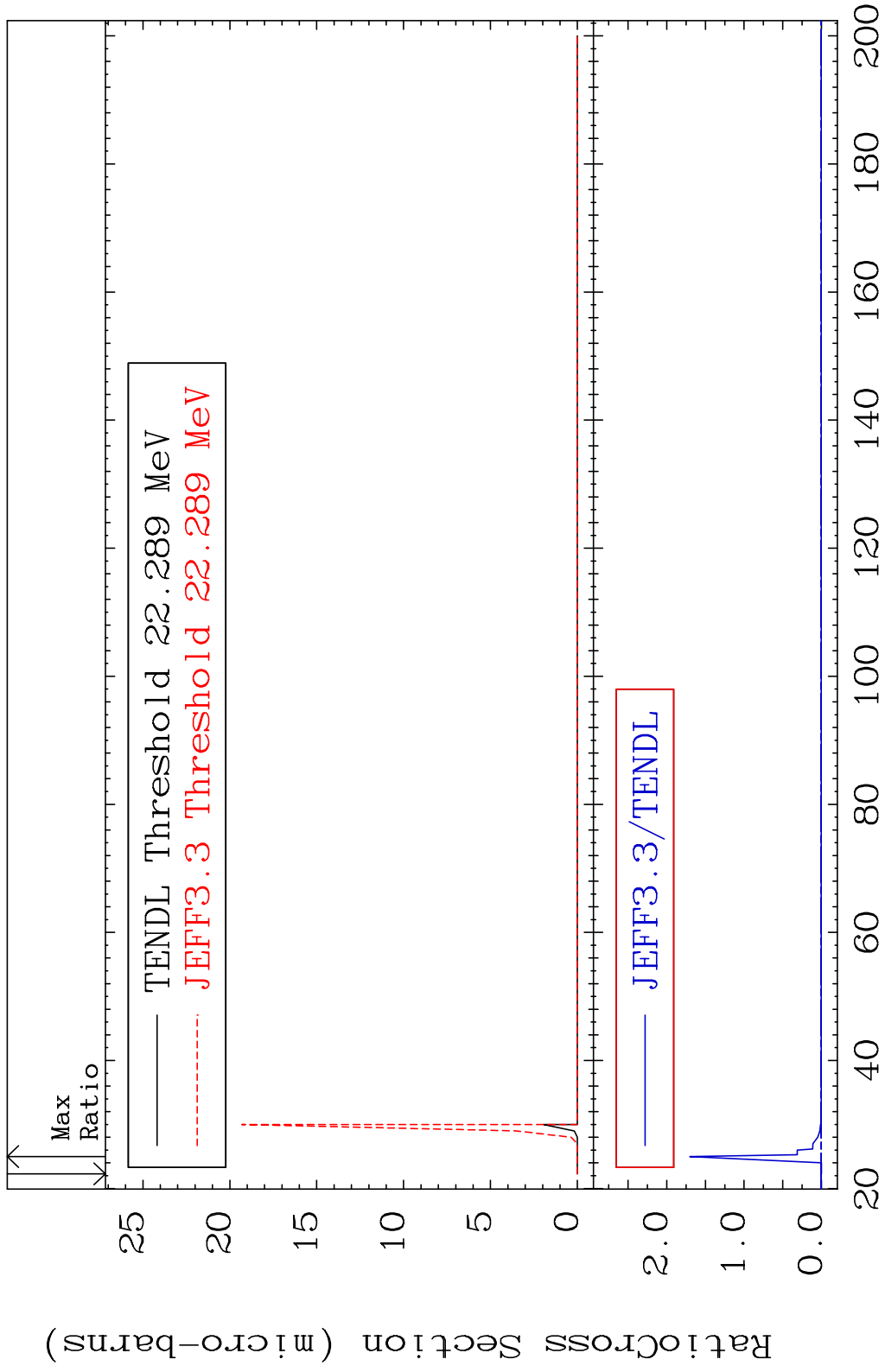


8

Incident Energy (eV)

32-Ge-73

MAT 3234 (n,3n) α 32-Ge-73
 Cross Section -100.0 To 9999. %

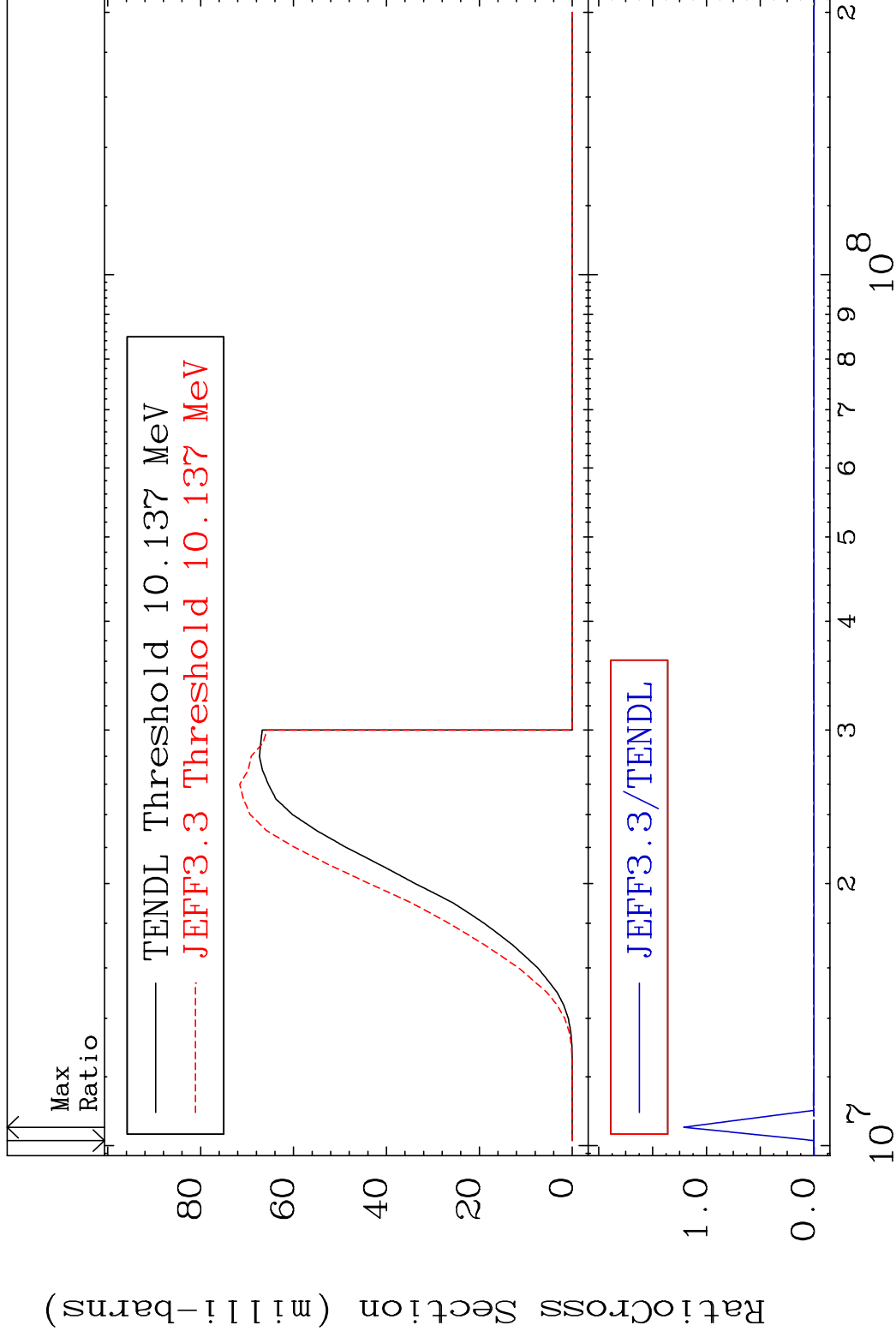


MAT 3234

(n, n') p

32-Ge-73

Cross Section -100.0 To 9999. %



10

Incident Energy (eV)

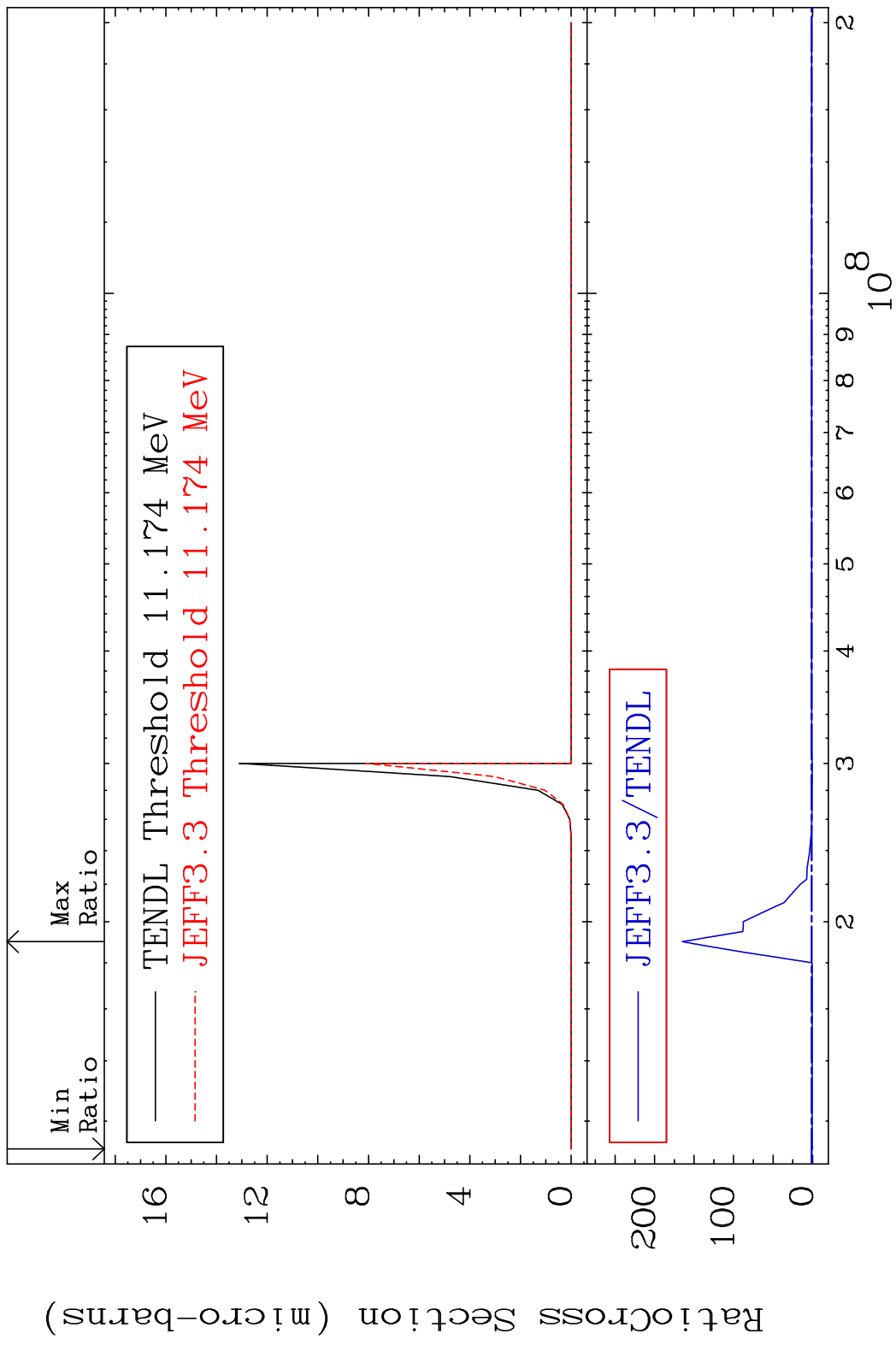
32-Ge-73

MAT 3234

(n, n') 2 α

32-Ge-73

Cross Section -100.0 To 9999. %



11

Incident Energy (eV)

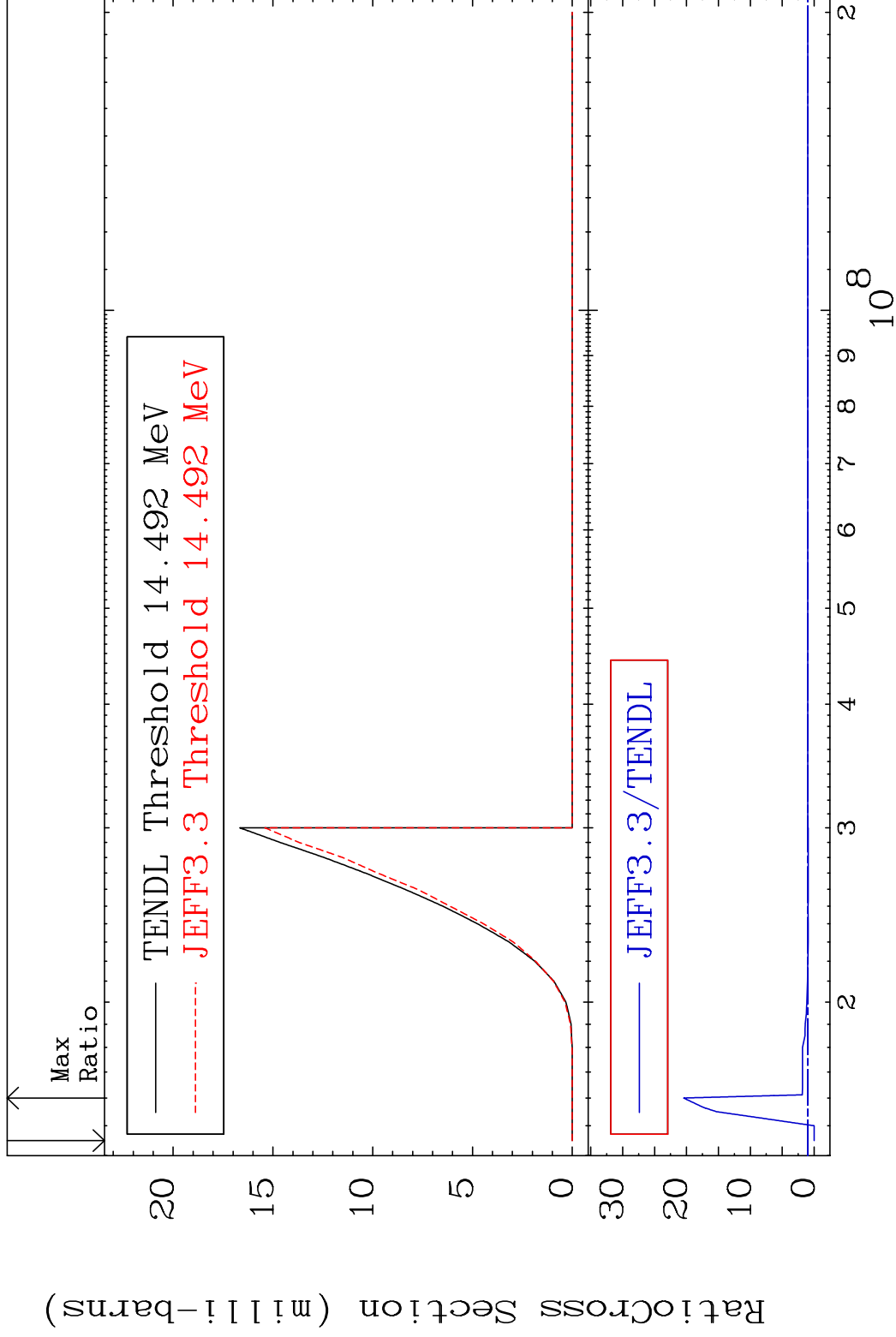
32-Ge-73

MAT 3234

(n, n') d

32-Ge-73

Cross Section -100.0 To 1945. %

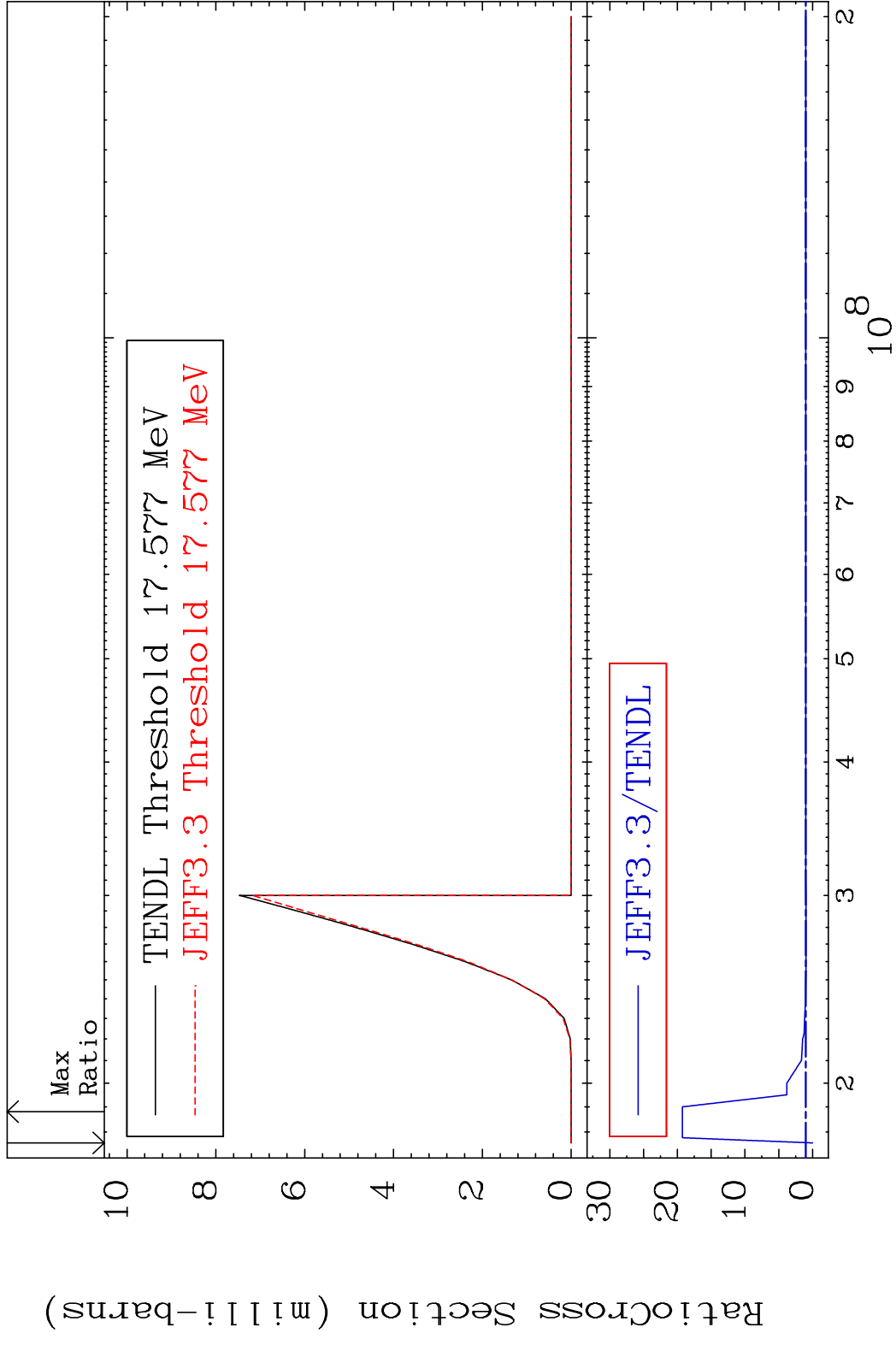


12

Incident Energy (eV)

32-Ge-73

MAT 3234 (n, n') t 32-Ge-73
 Cross Section -100.0 To 1826. %

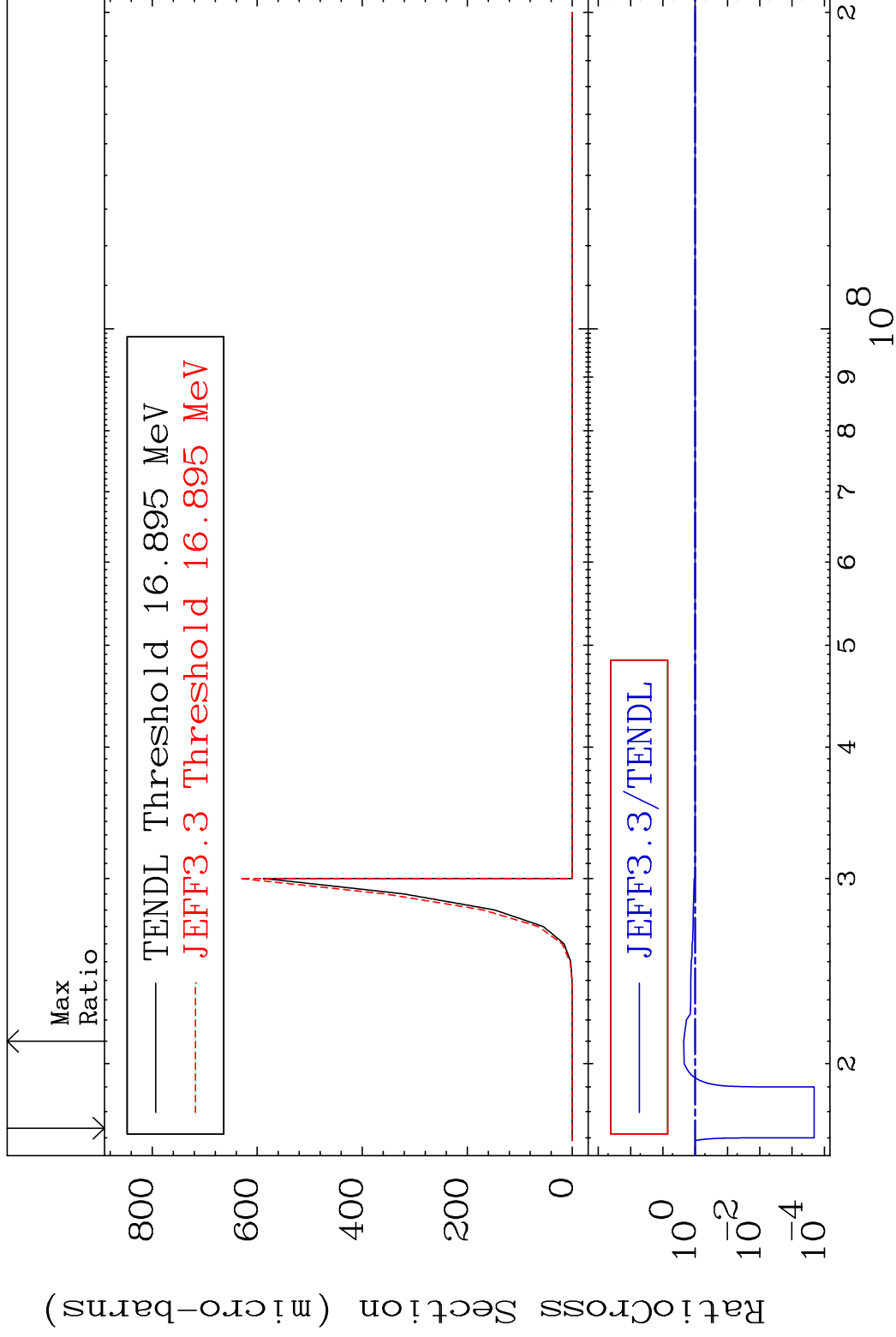


MAT 3234

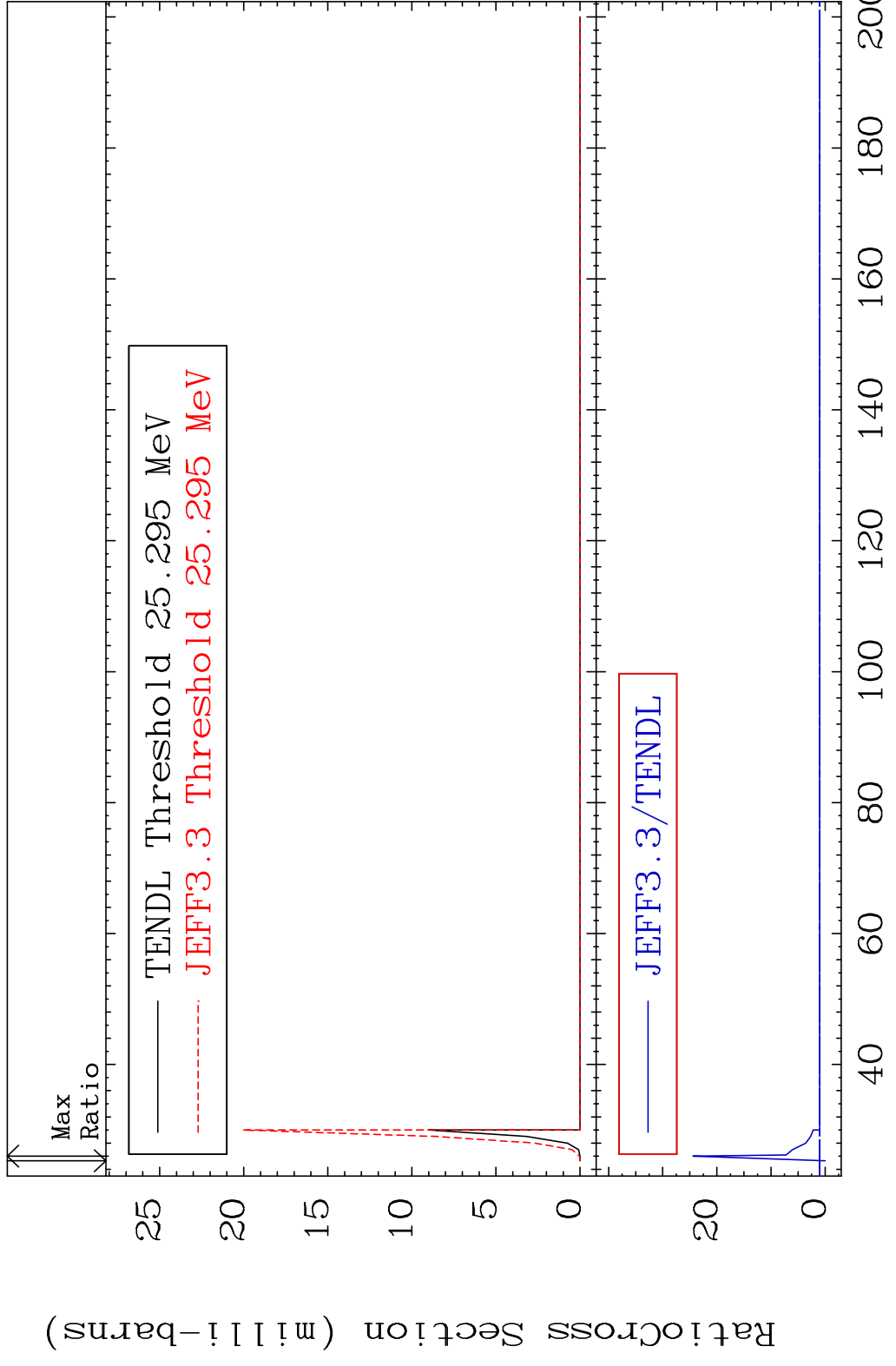
(n,n') He-3

32-Ge-73

Cross Section -99.98 To 127.3 %



MAT 3234 (n,4n) 32-Ge-73
 Cross Section -100.0 To 2342. %

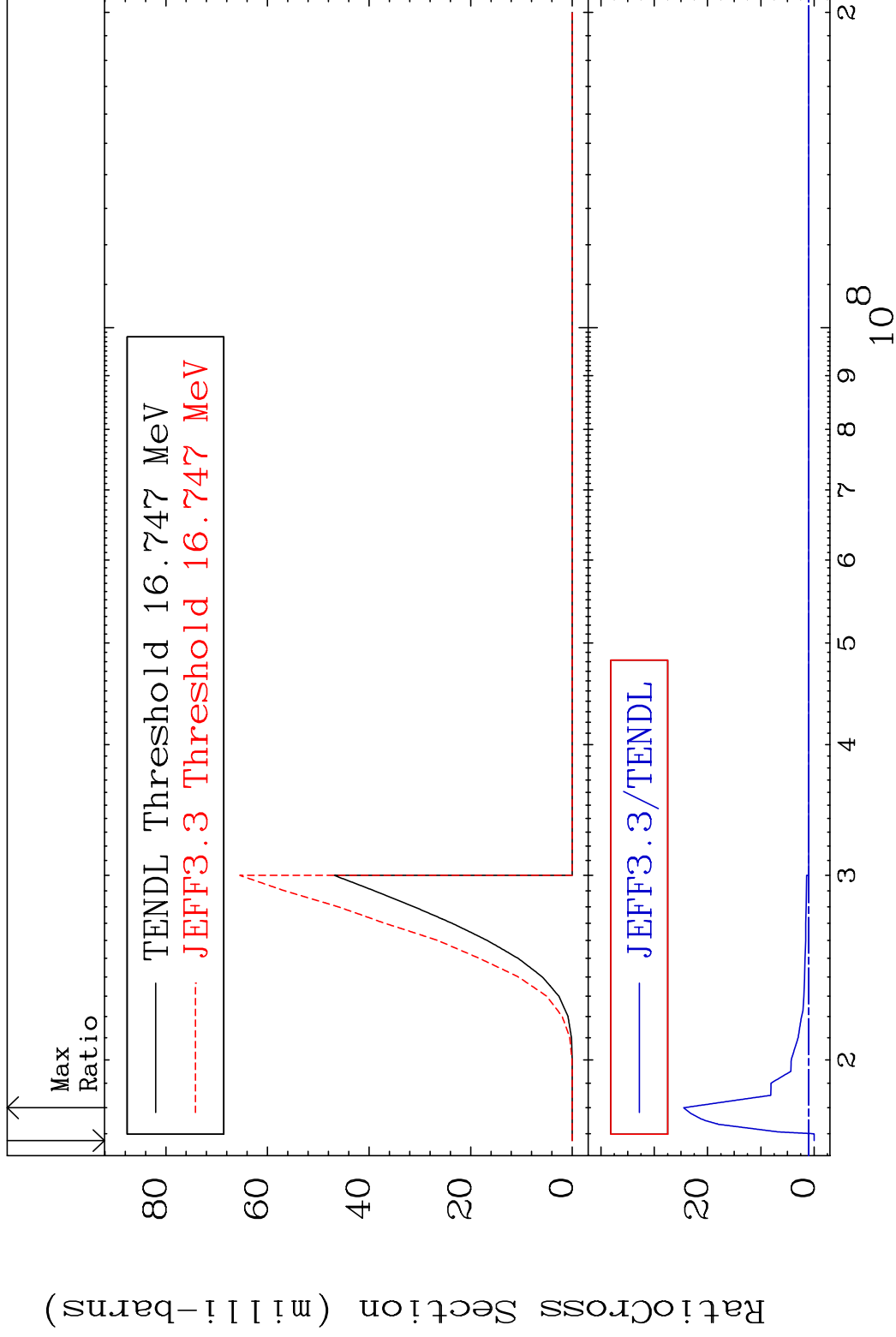


MAT 3234

(n,2n) p

32-Ge-73

Cross Section -100.0 To 2349. %

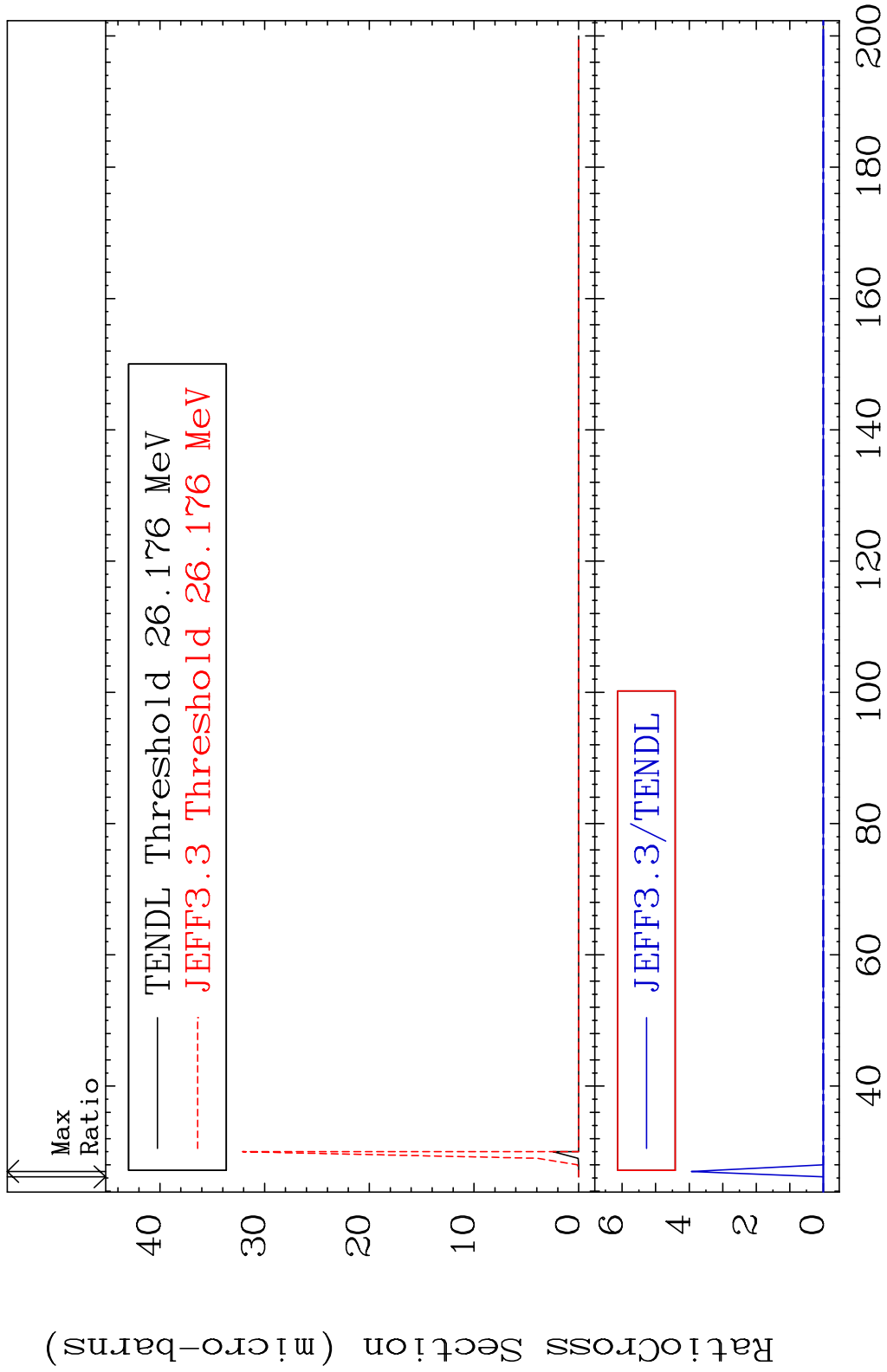


16

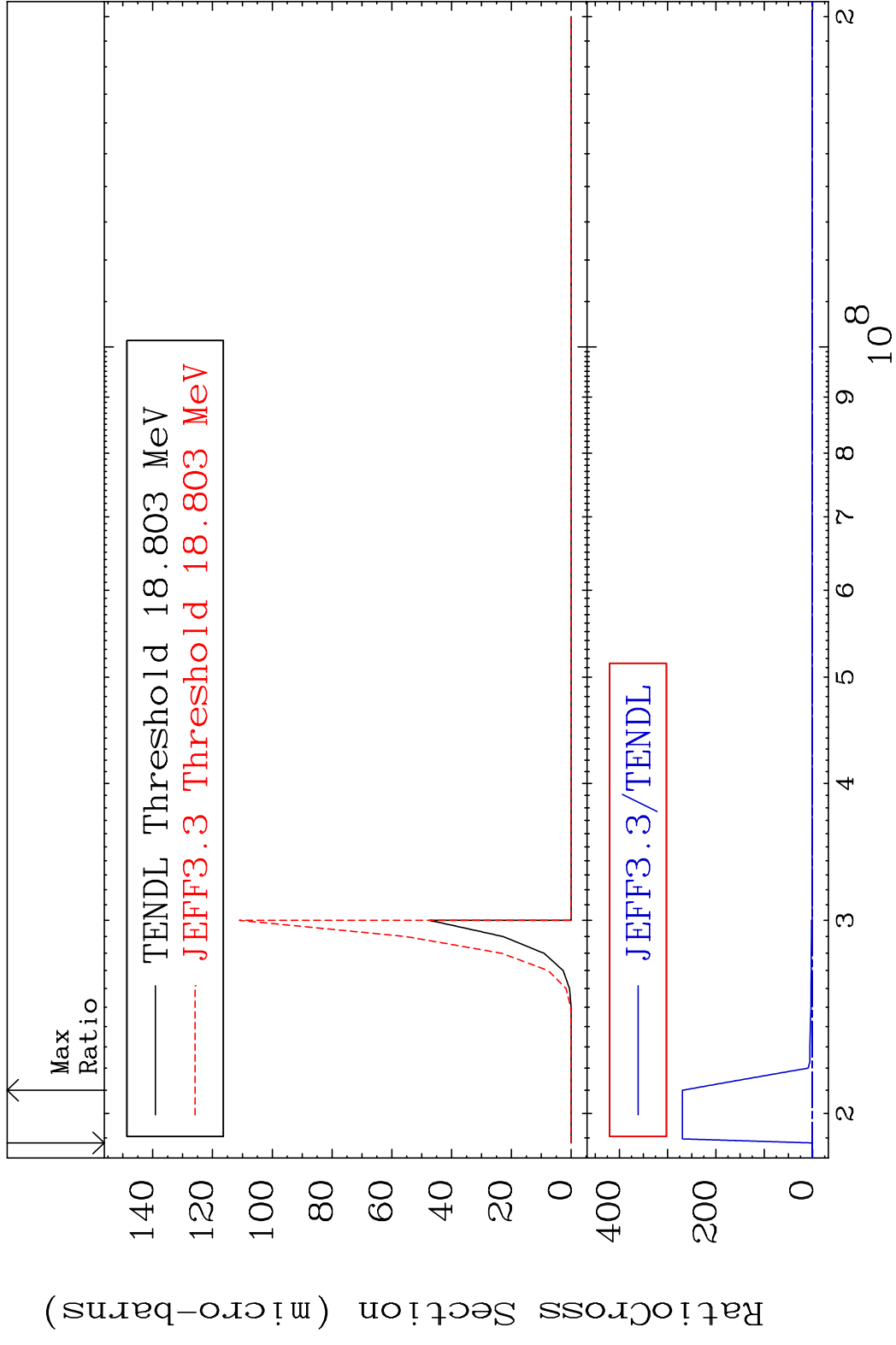
Incident Energy (eV)

32-Ge-73

MAT 3234 (n,3n) p 32-Ge-73
 Cross Section -100.0 To 9999. %

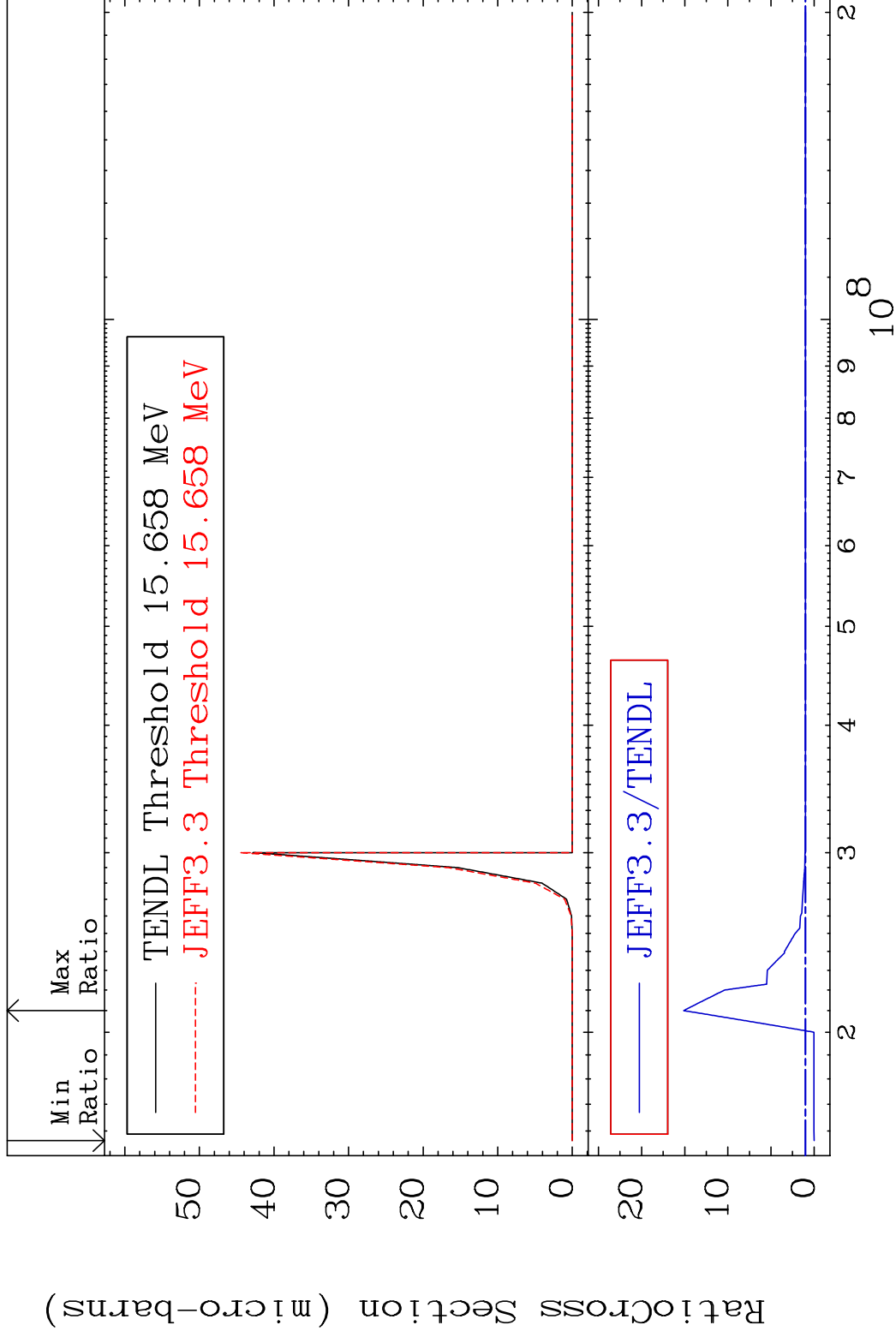


MAT 3234 (n,2n) p 32-Ge-73
 Cross Section -100.0 To 9999. %

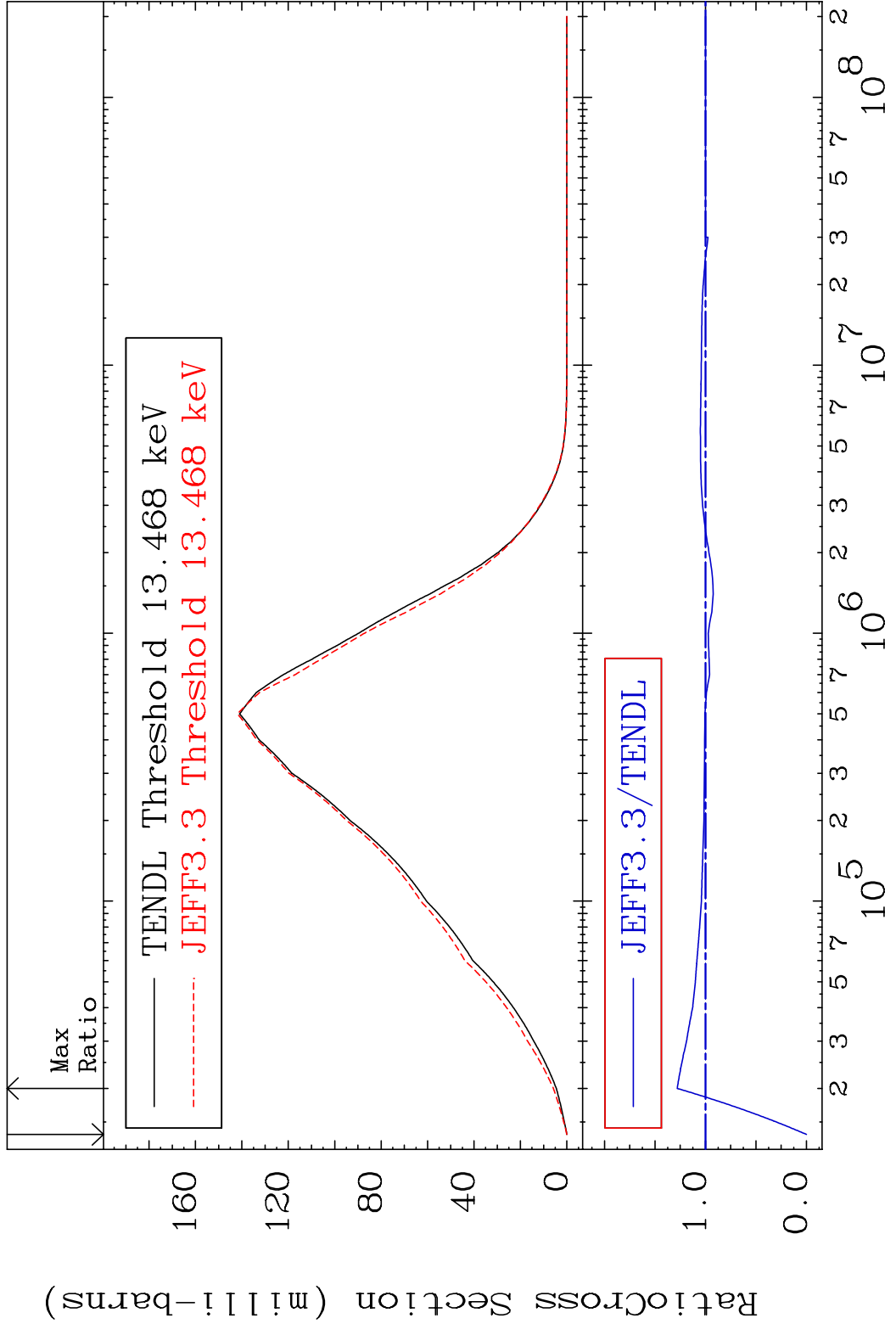


MAT 3234

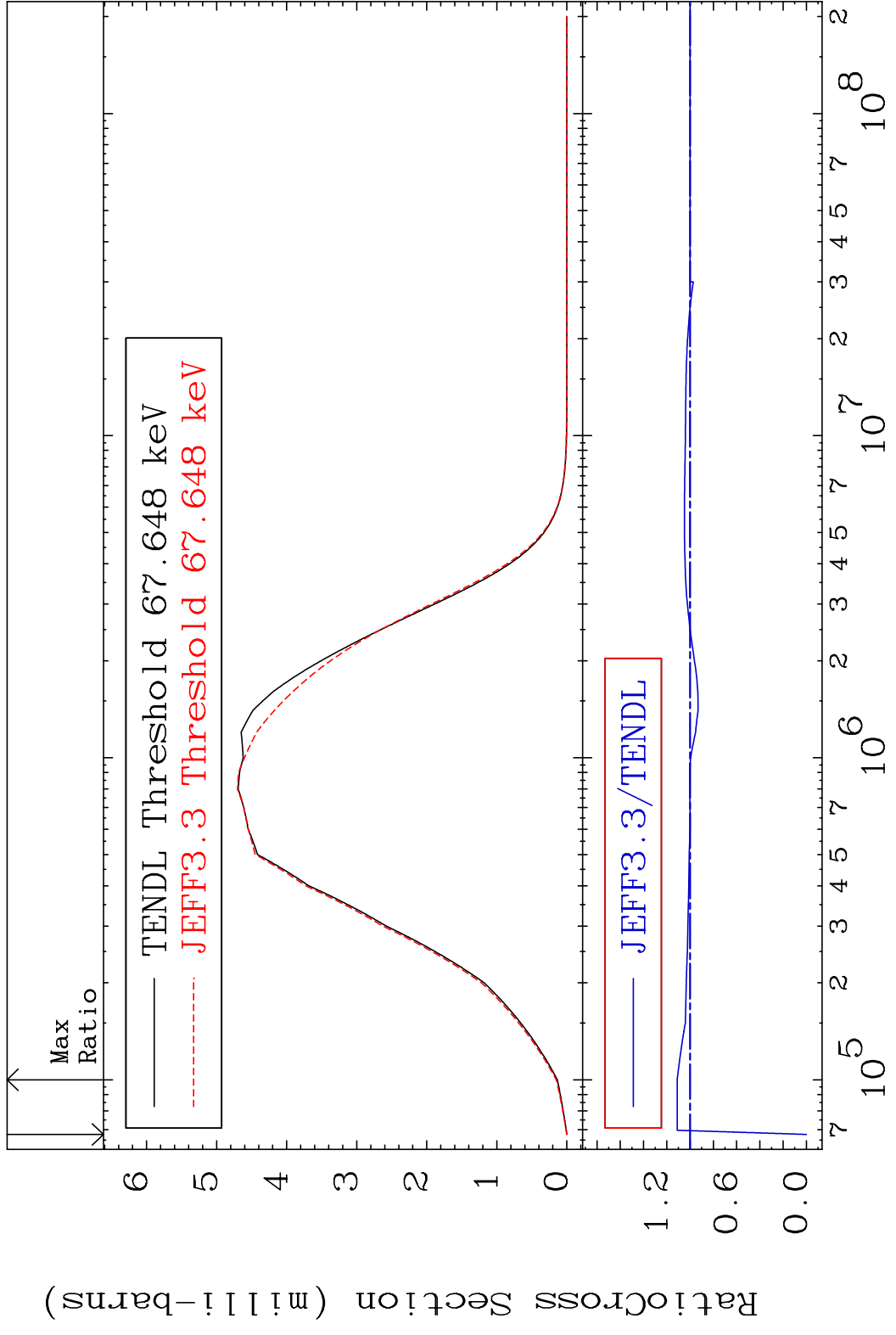
(n,n') p α 32-Ge-73
Cross Section -100.0 To 1412. %



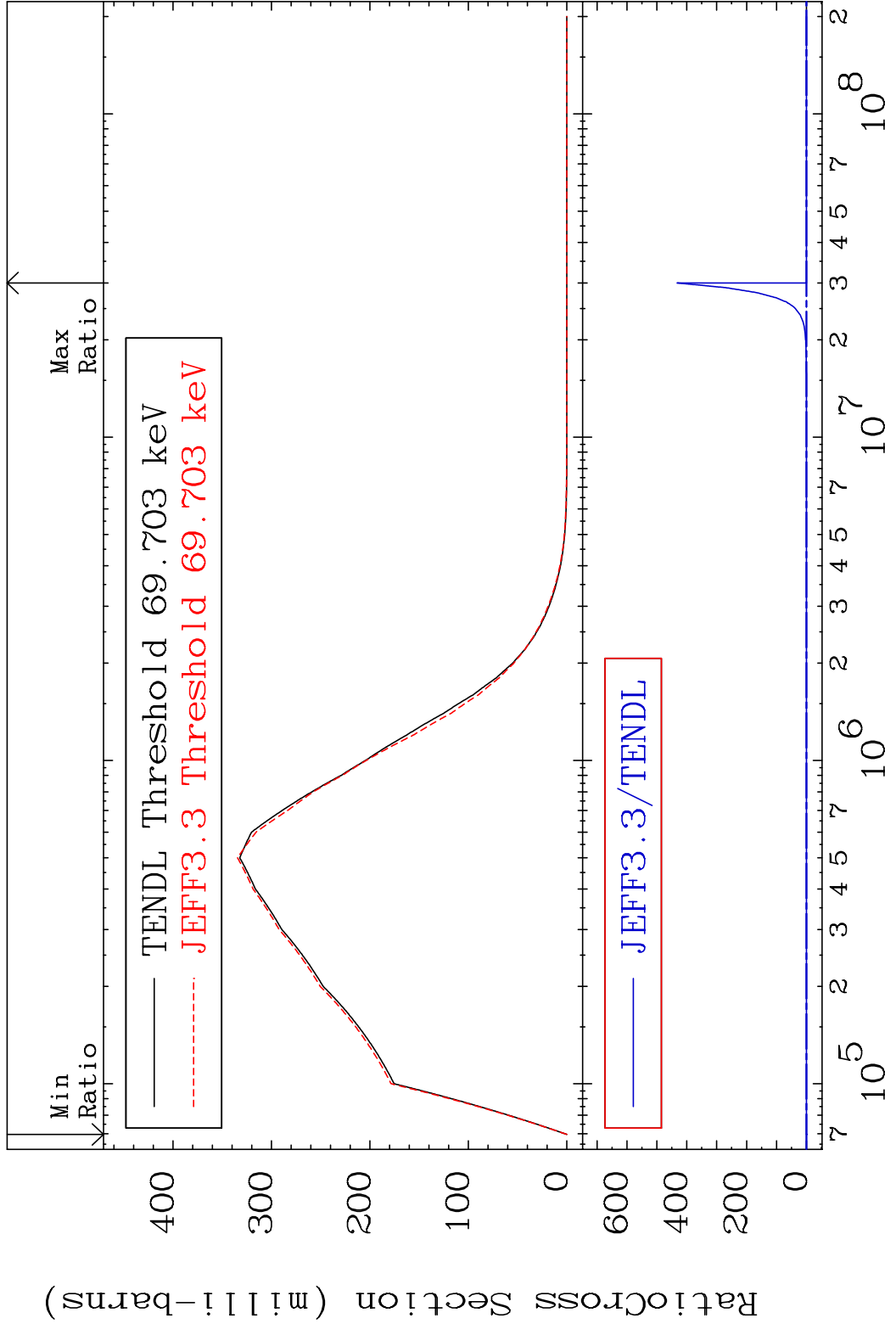
MAT 3234 MT= 51 (n,n') Level 32-Ge-73
 Cross Section -100.0 To 28.03 %



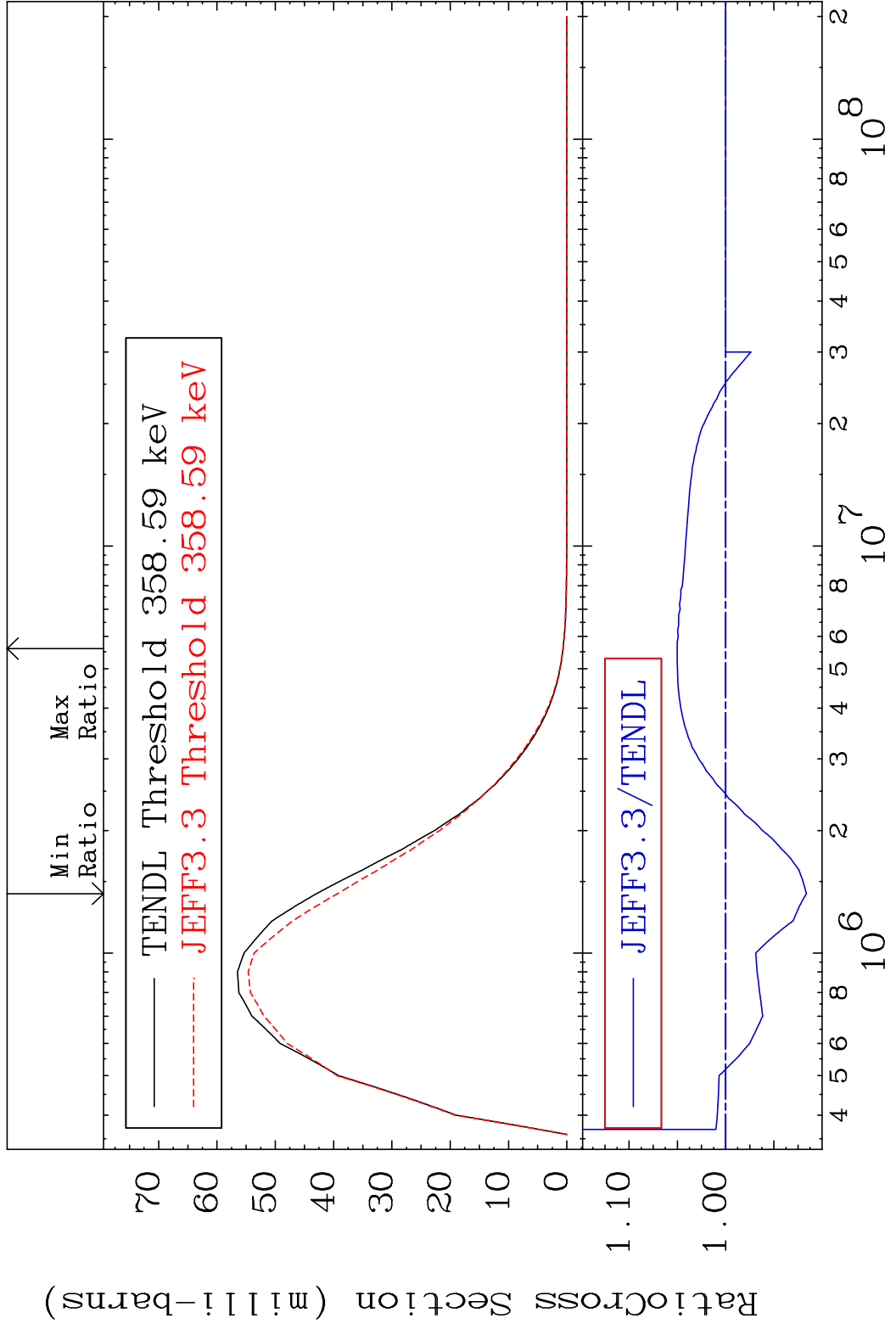
MAT 3234 MT= 52 (n,n') Level 32-Ge-73
 Cross Section -100.0 To 11.09 %



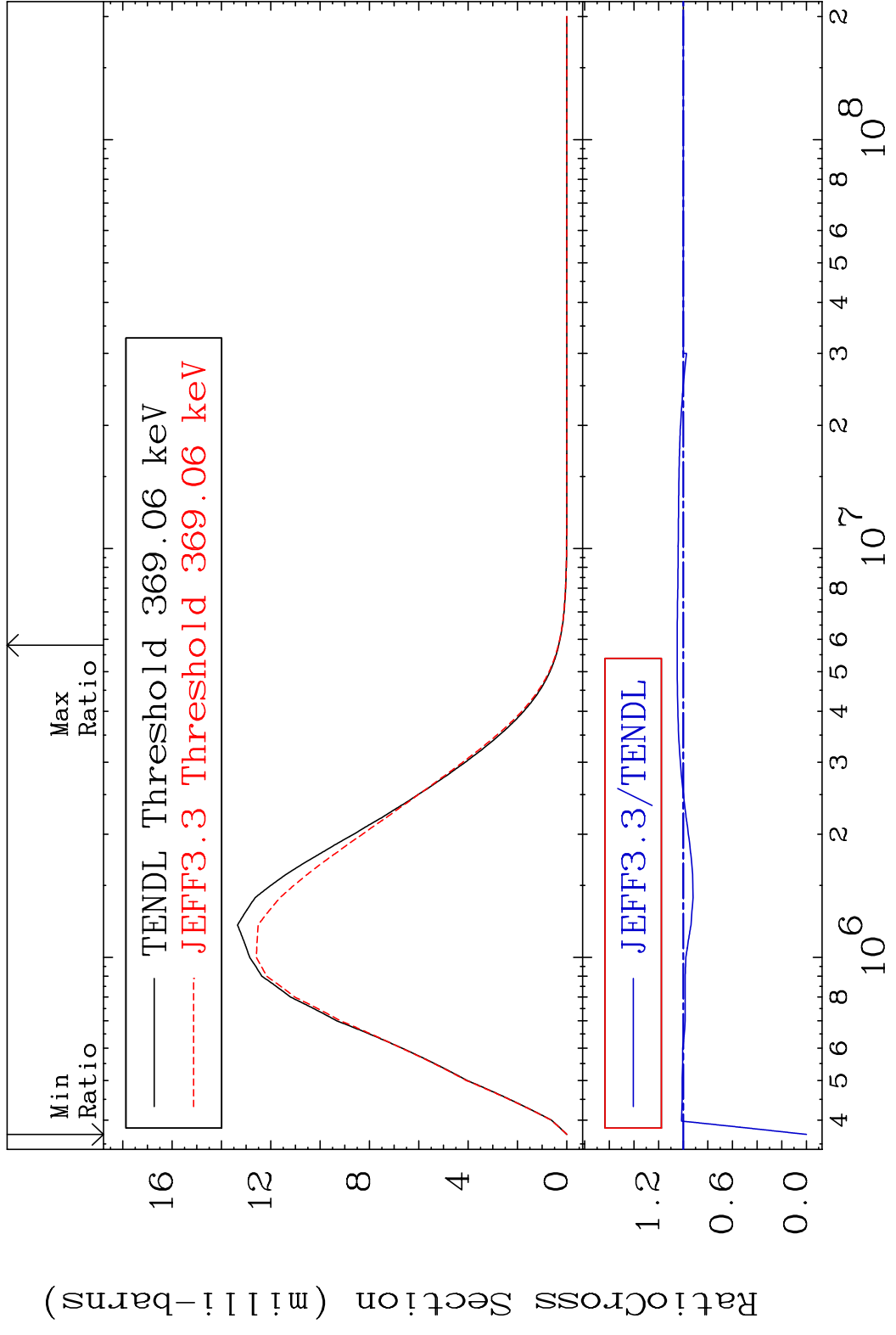
MAT 3234 MT= 53 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 9999. %



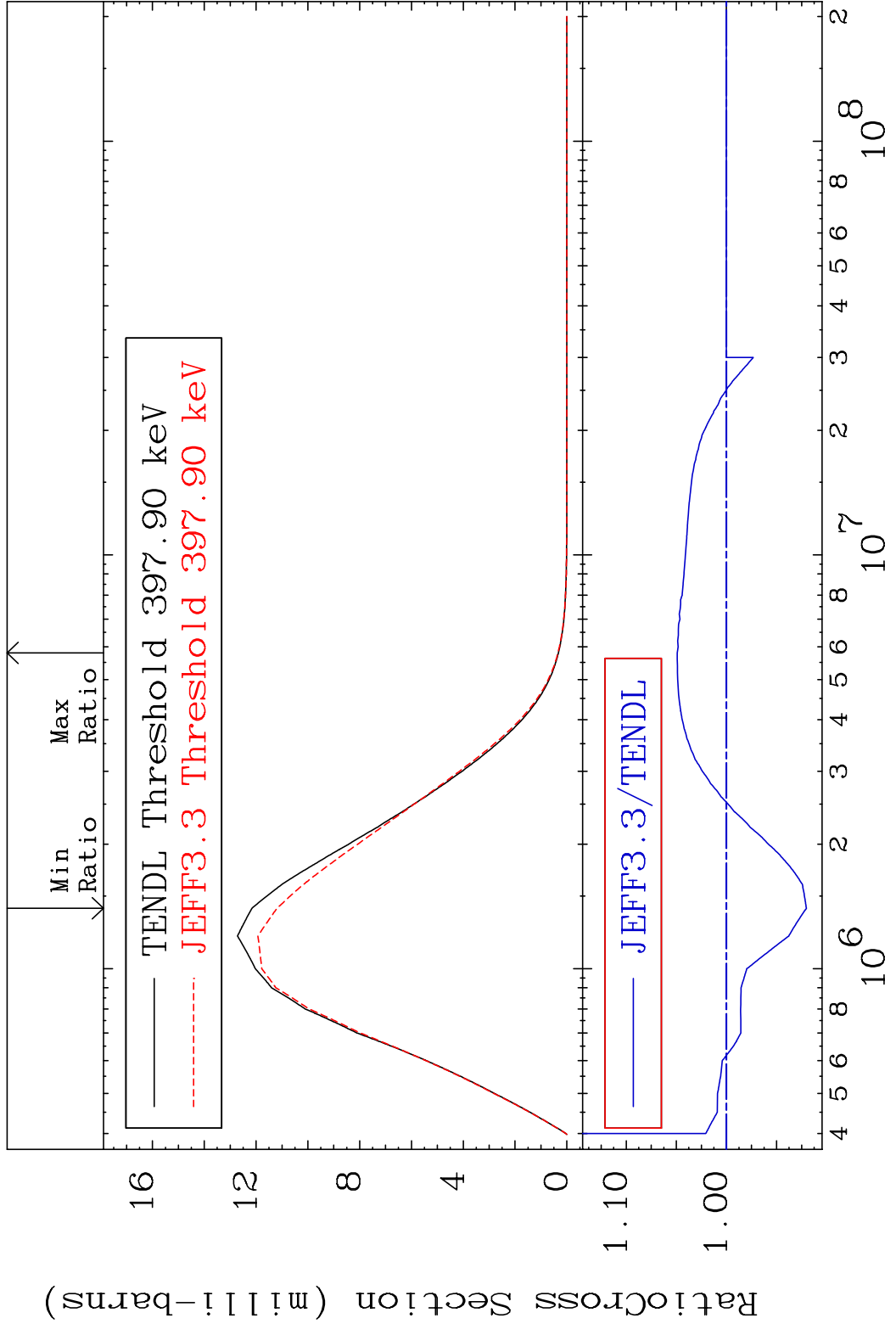
MAT 3234 MT= 54 (n,n') Level 32-Ge-73
 Cross Section -8.364 To 5.020 %



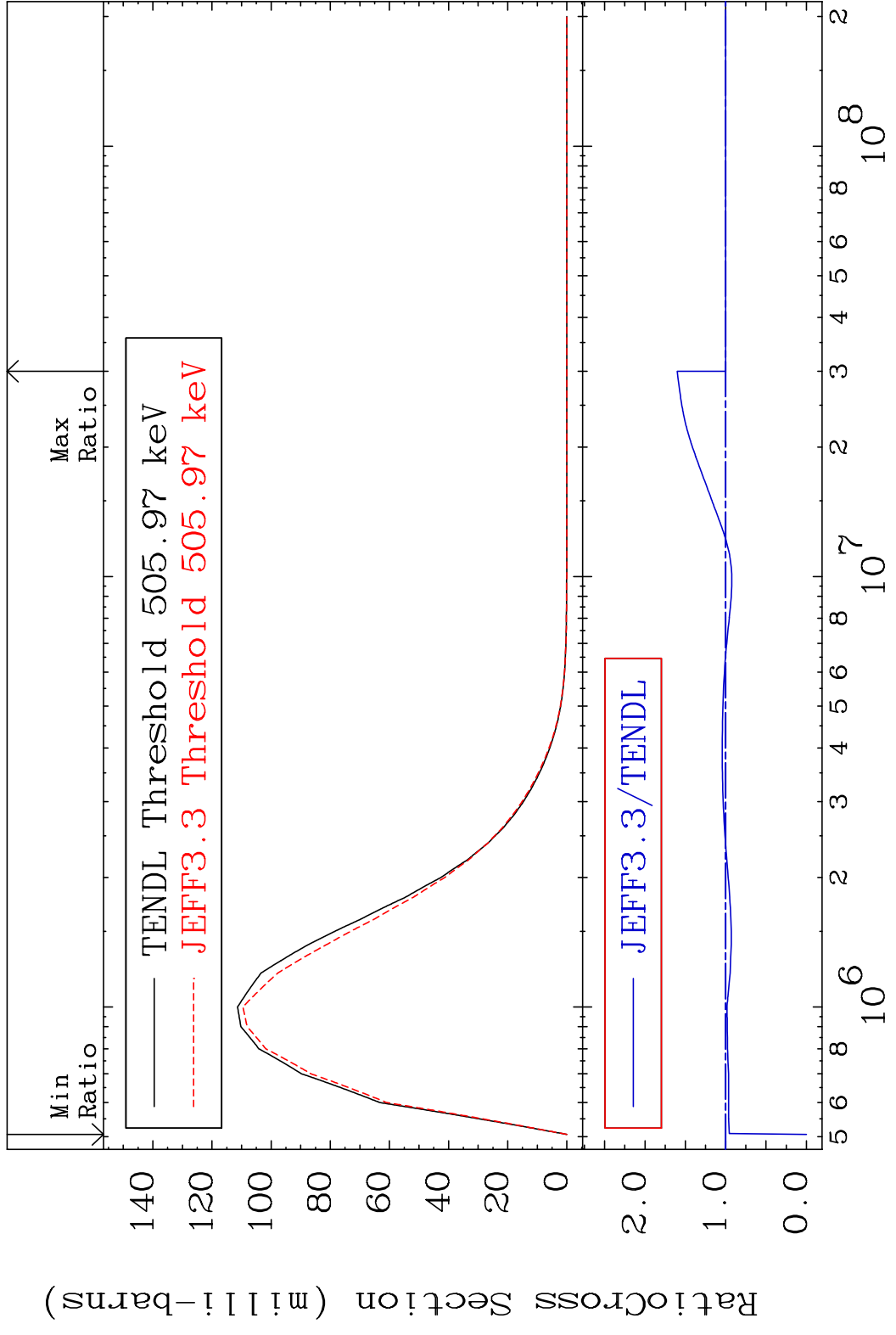
MAT 3234 MT= 55 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 4.915 %



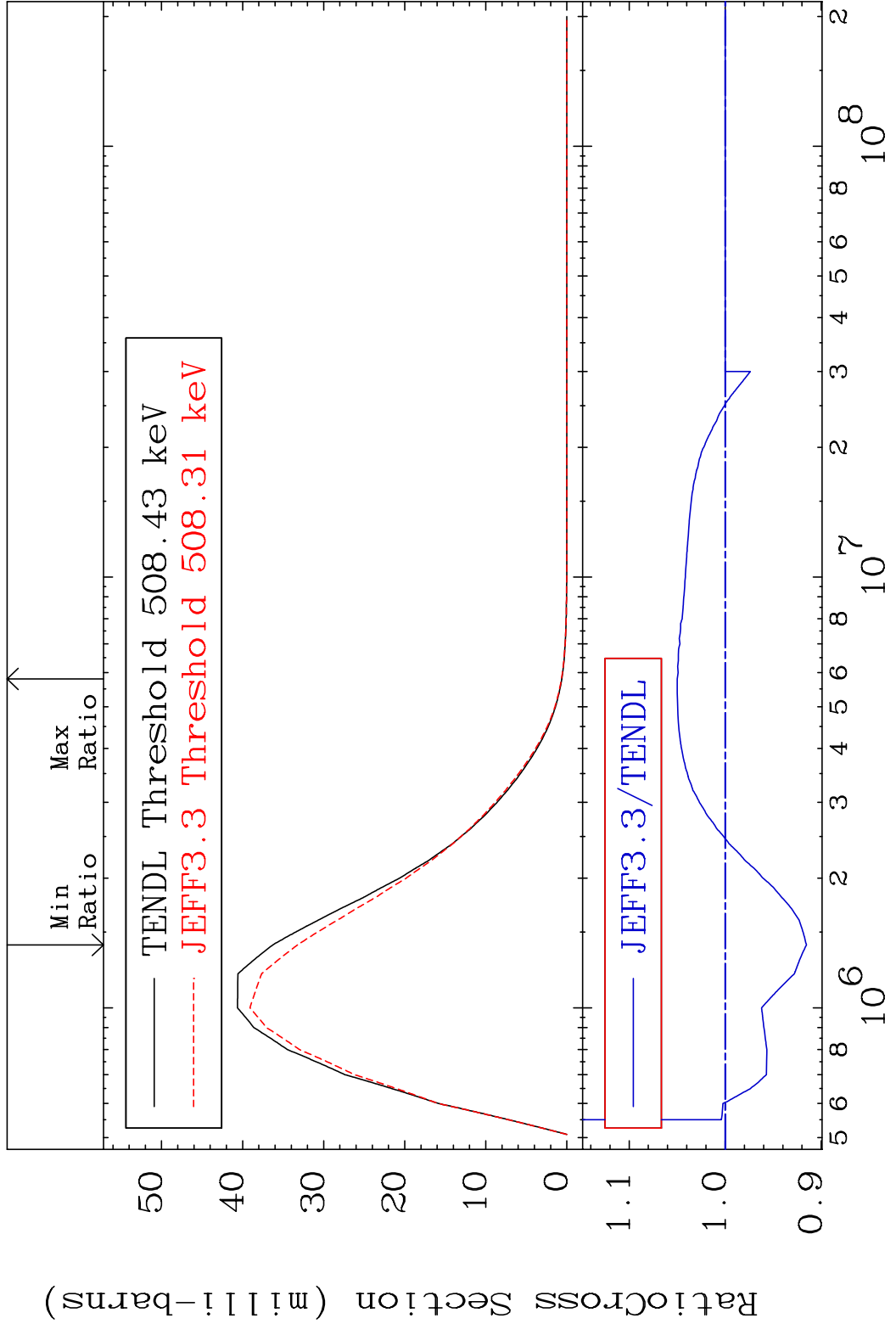
MAT 3234 MT= 56 (n,n') Level 32-Ge-73
 Cross Section -7.978 To 4.914 %



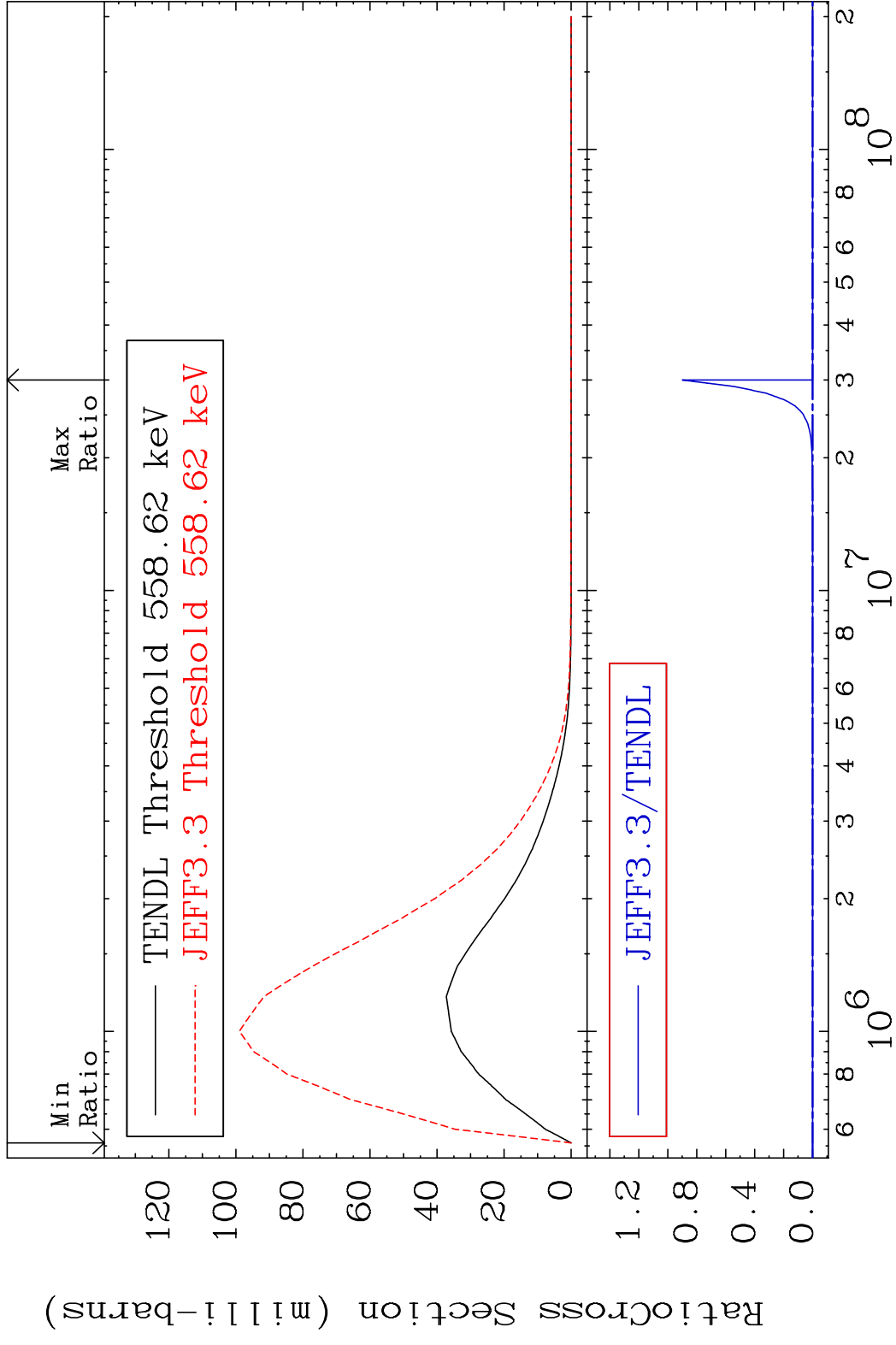
MAT 3234 MT= 57 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 60.09 %



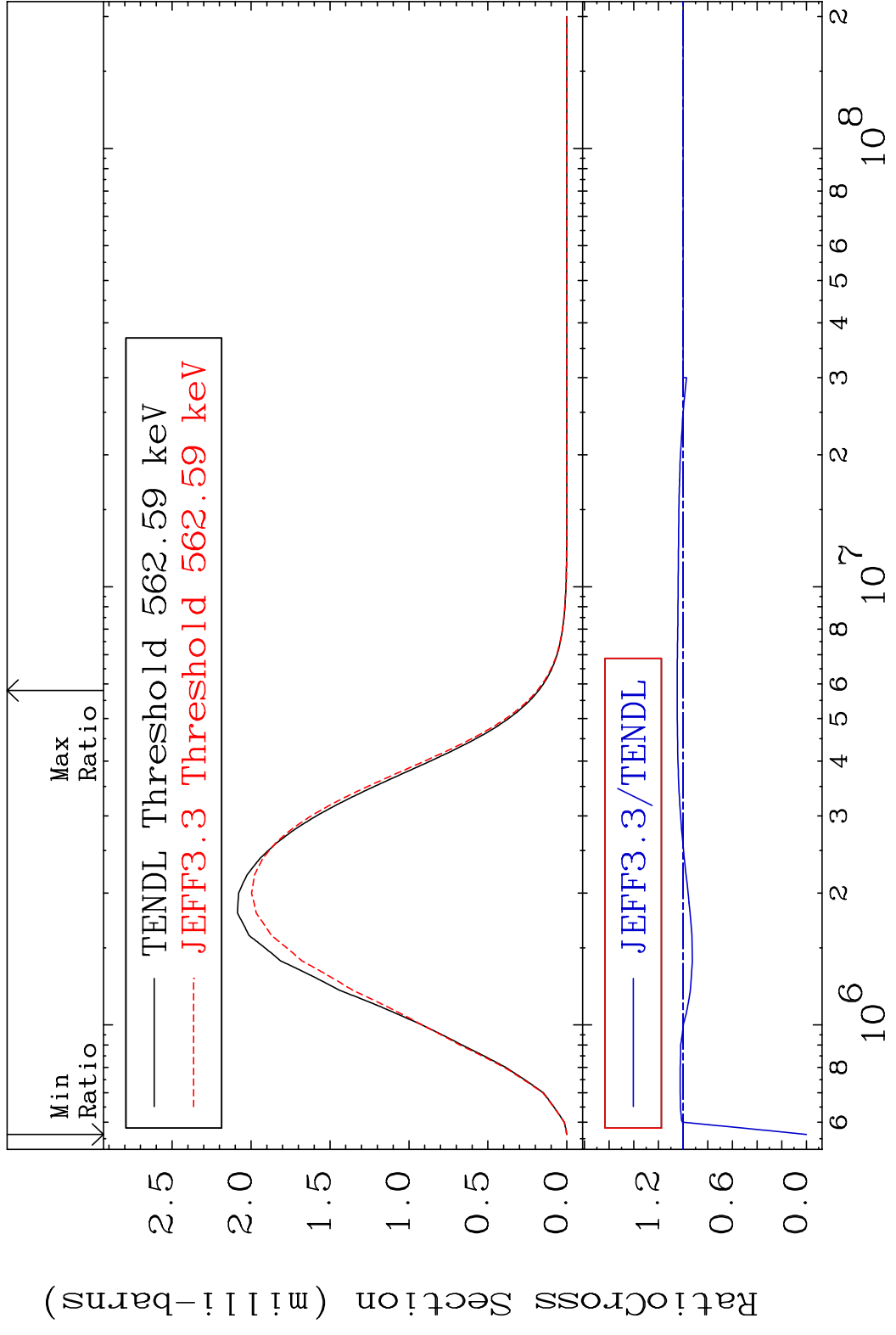
MAT 3234 MT= 58 (n, n') Level 32-Ge-73
 Cross Section -8.455 To 4.999 %



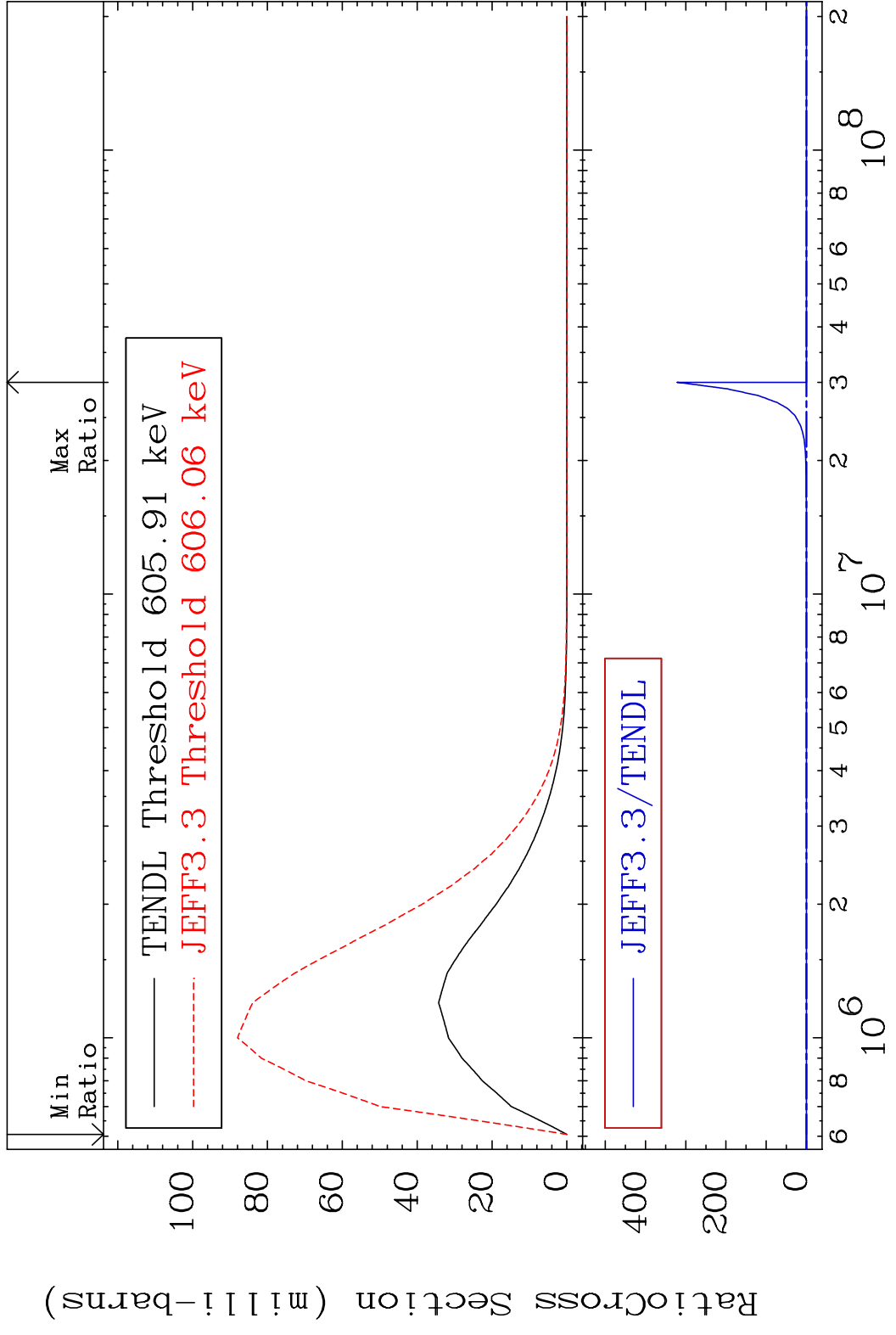
MAT 3234 MT= 59 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 9999. %



MAT 3234 MT= 60 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 4.829 %

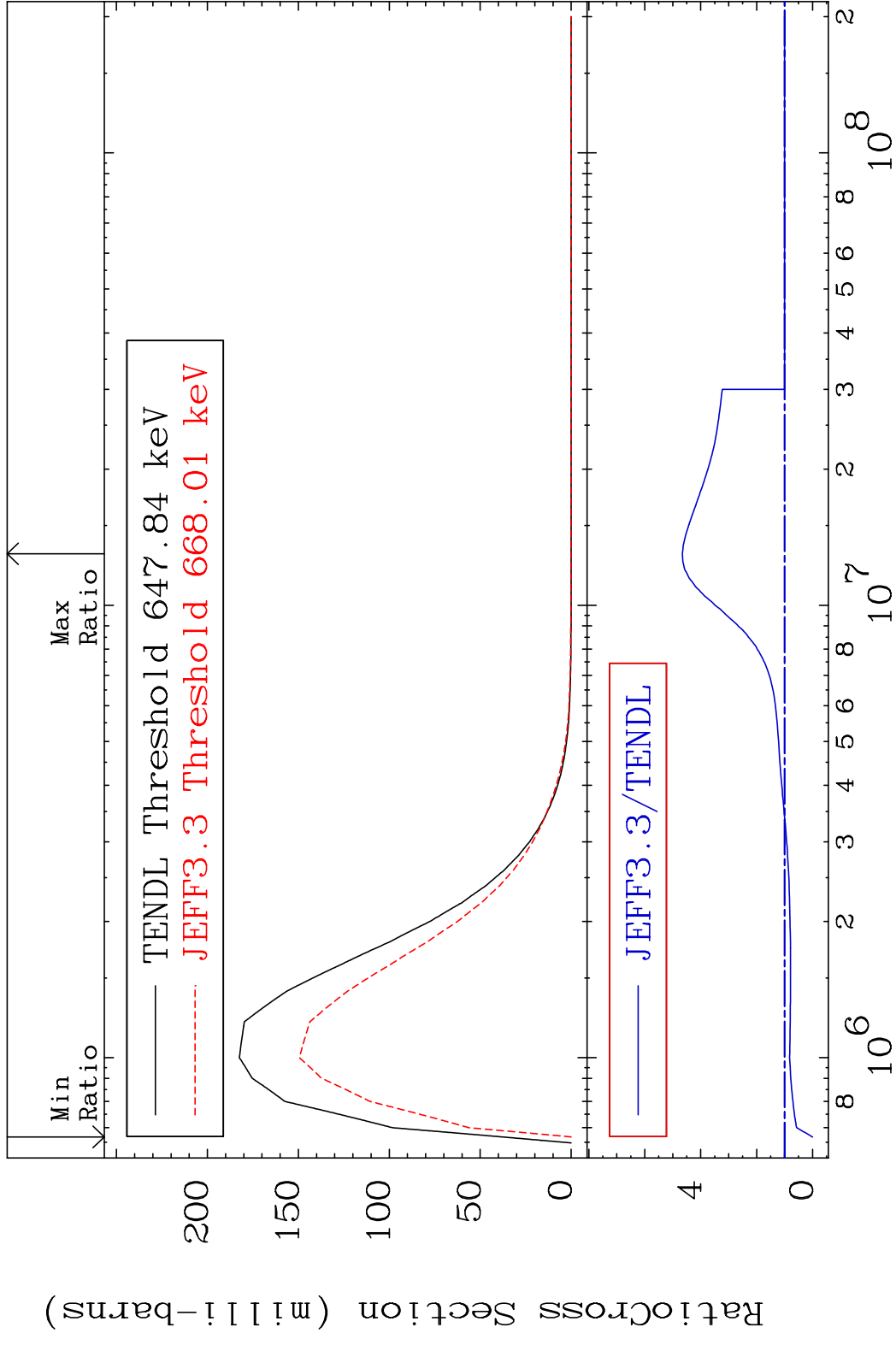


MAT 3234 MT= 61 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 9999. %

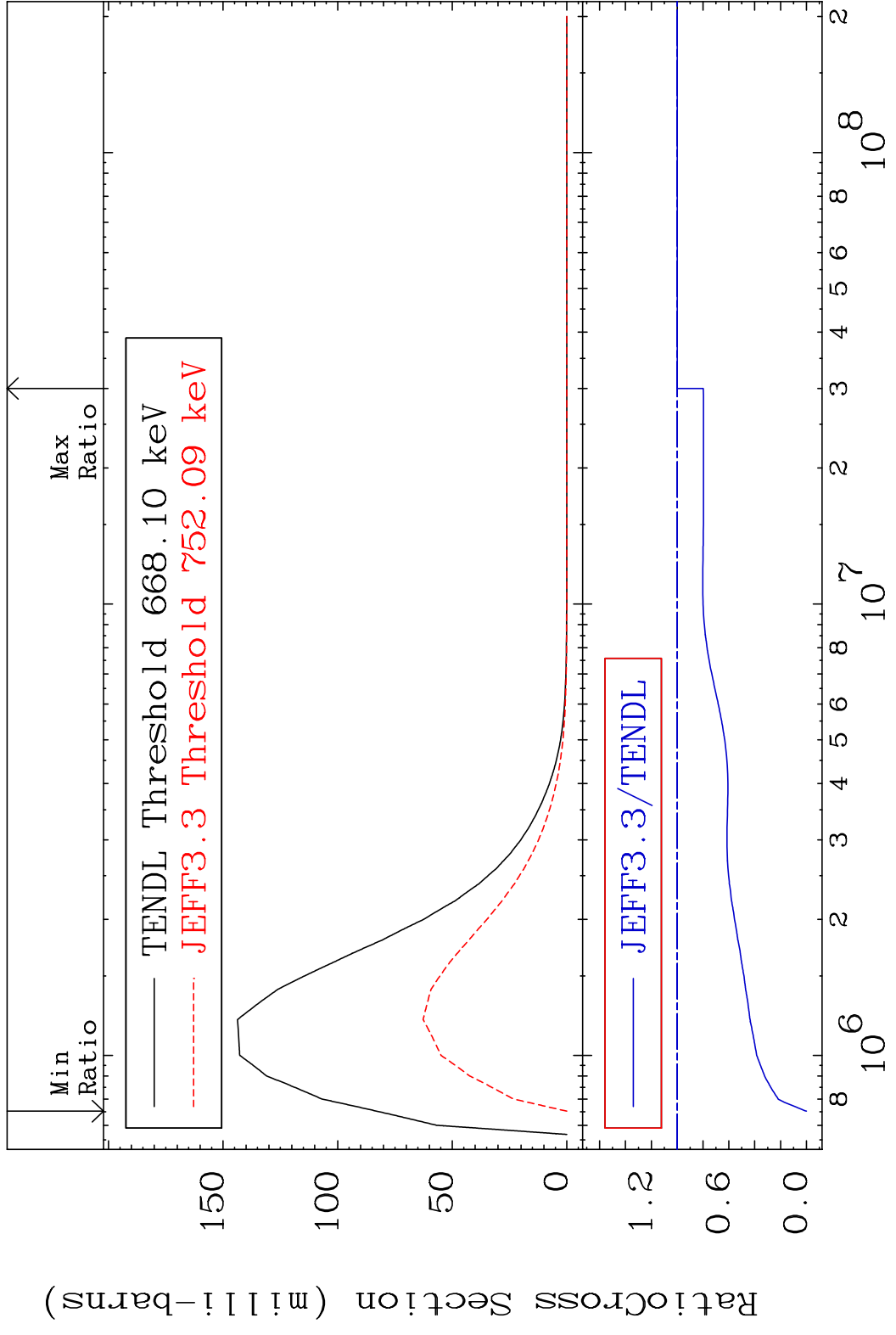


30 Incident Energy (eV) 32-Ge-73

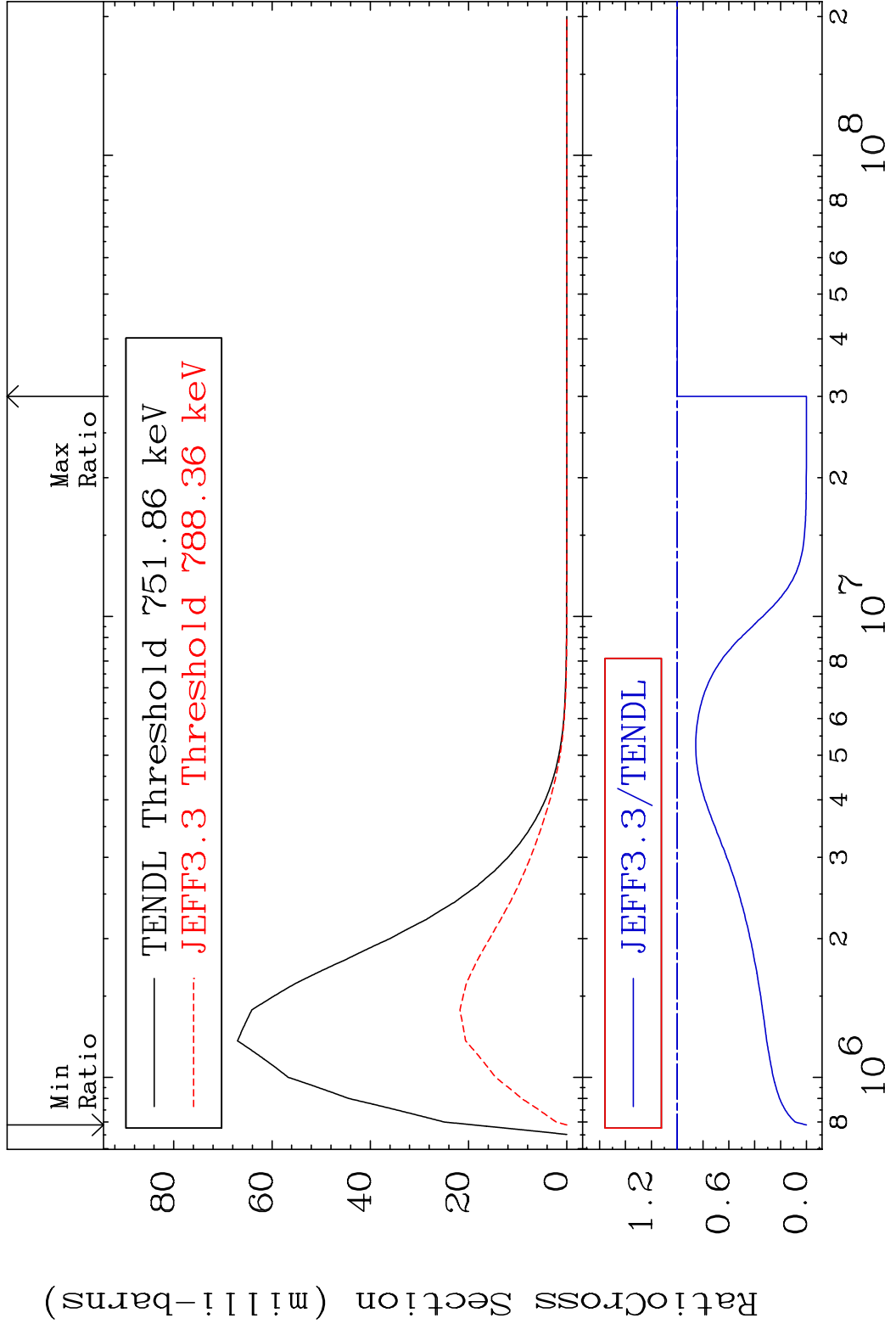
MAT 3234 MT= 62 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 365.6 %



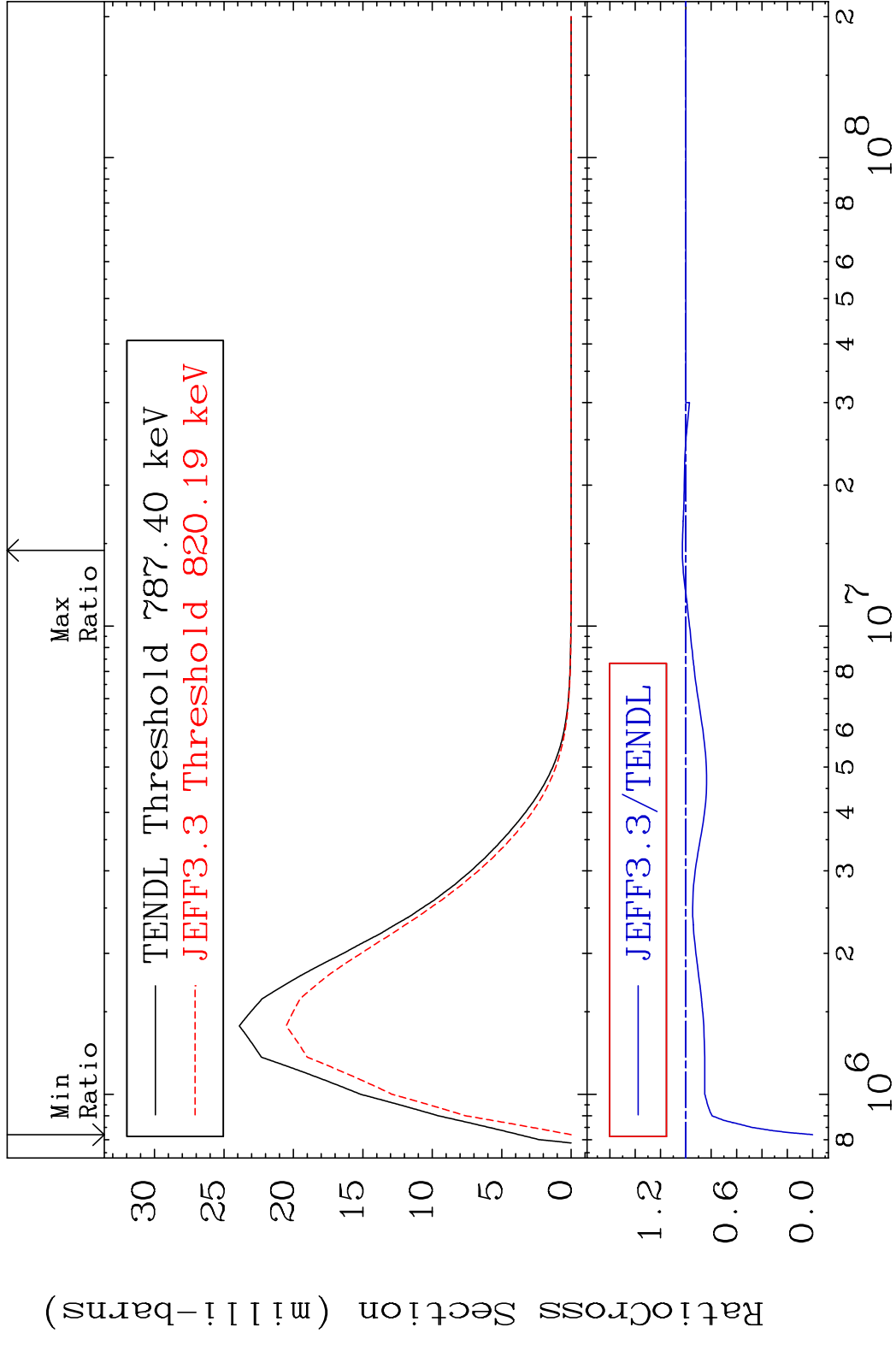
MAT 3234 MT= 63 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 0.000 %



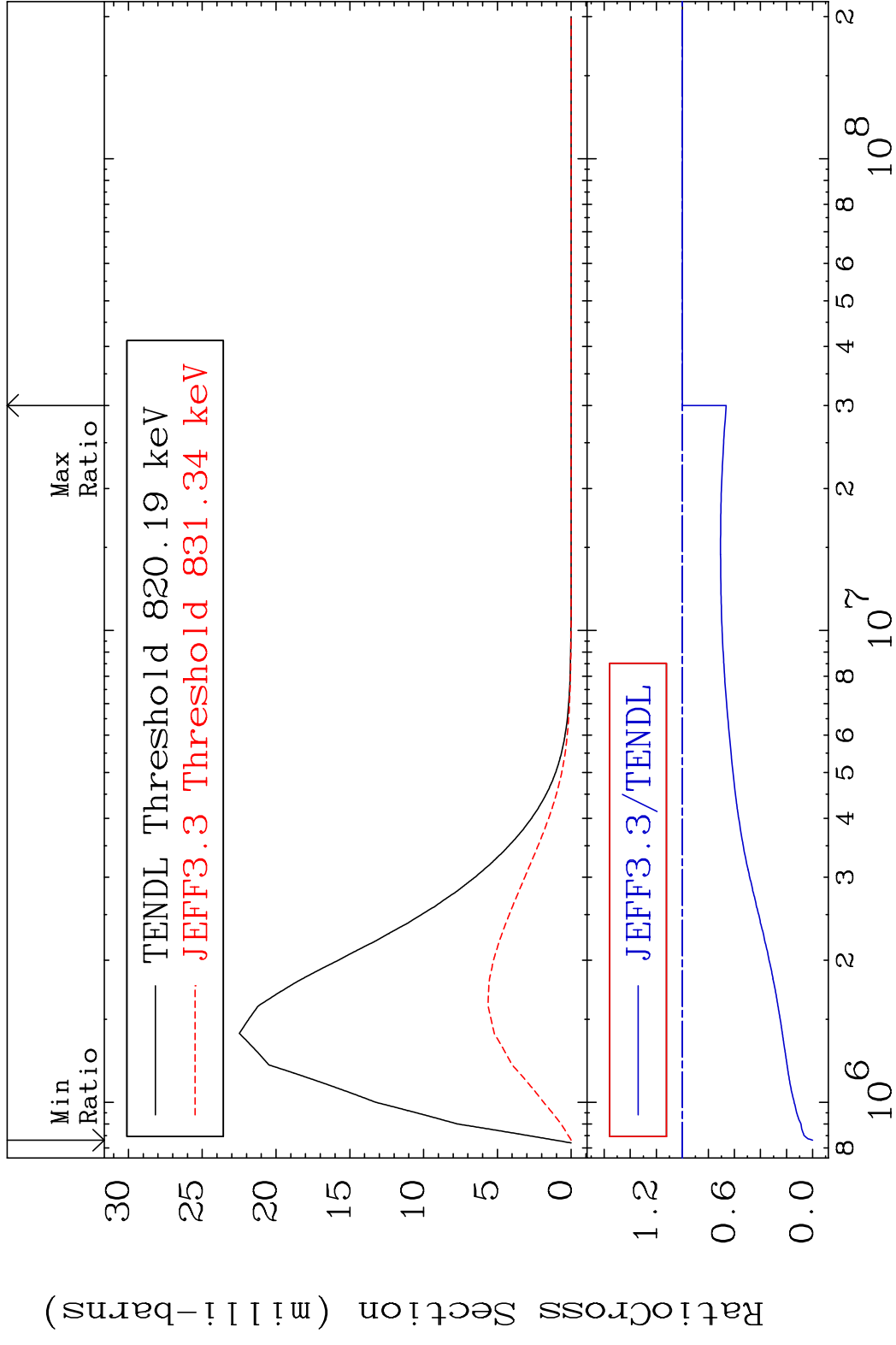
MAT 3234 MT= 64 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 0.000 %



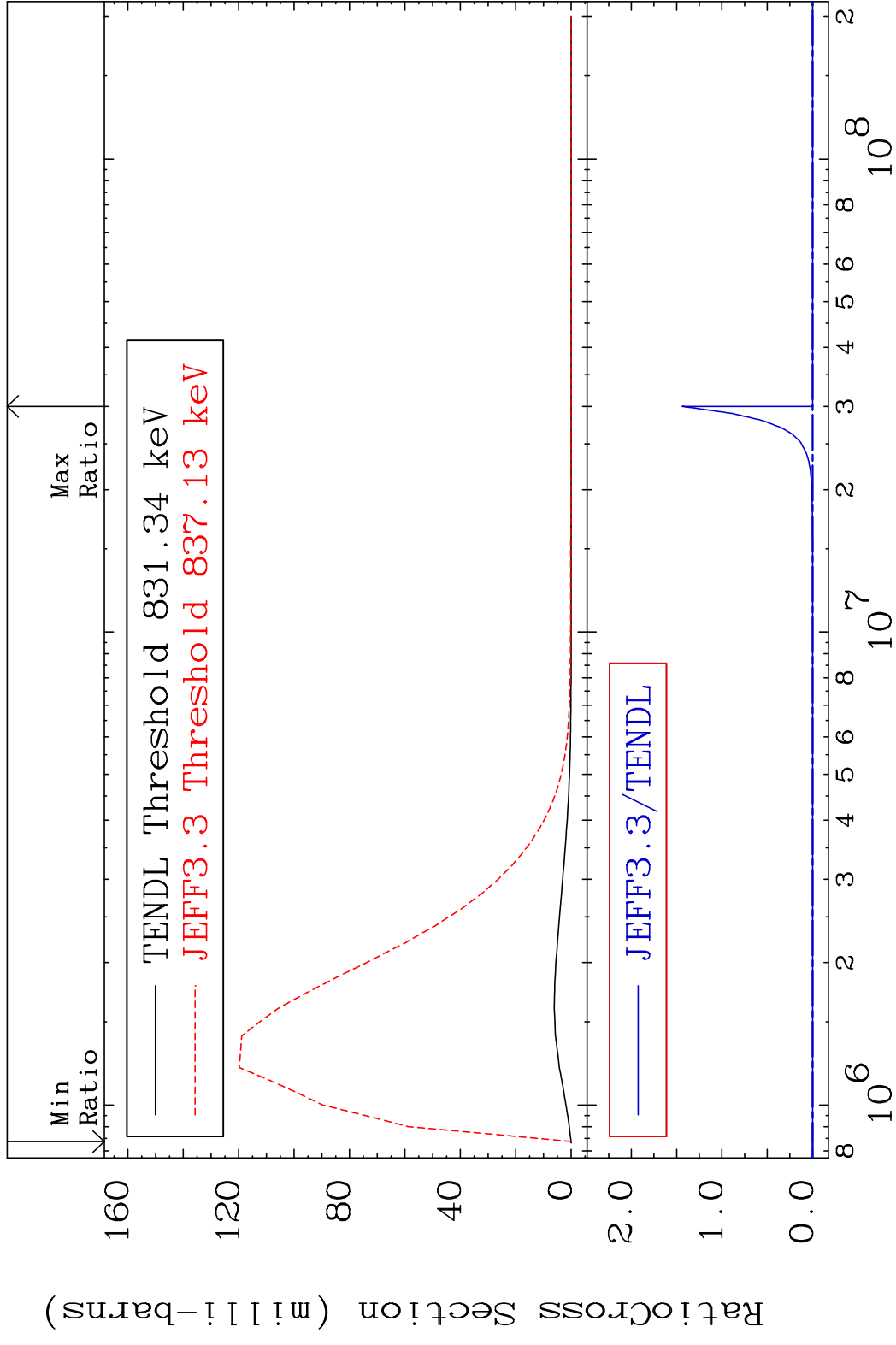
MAT 3234 MT= 65 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 2.806 %



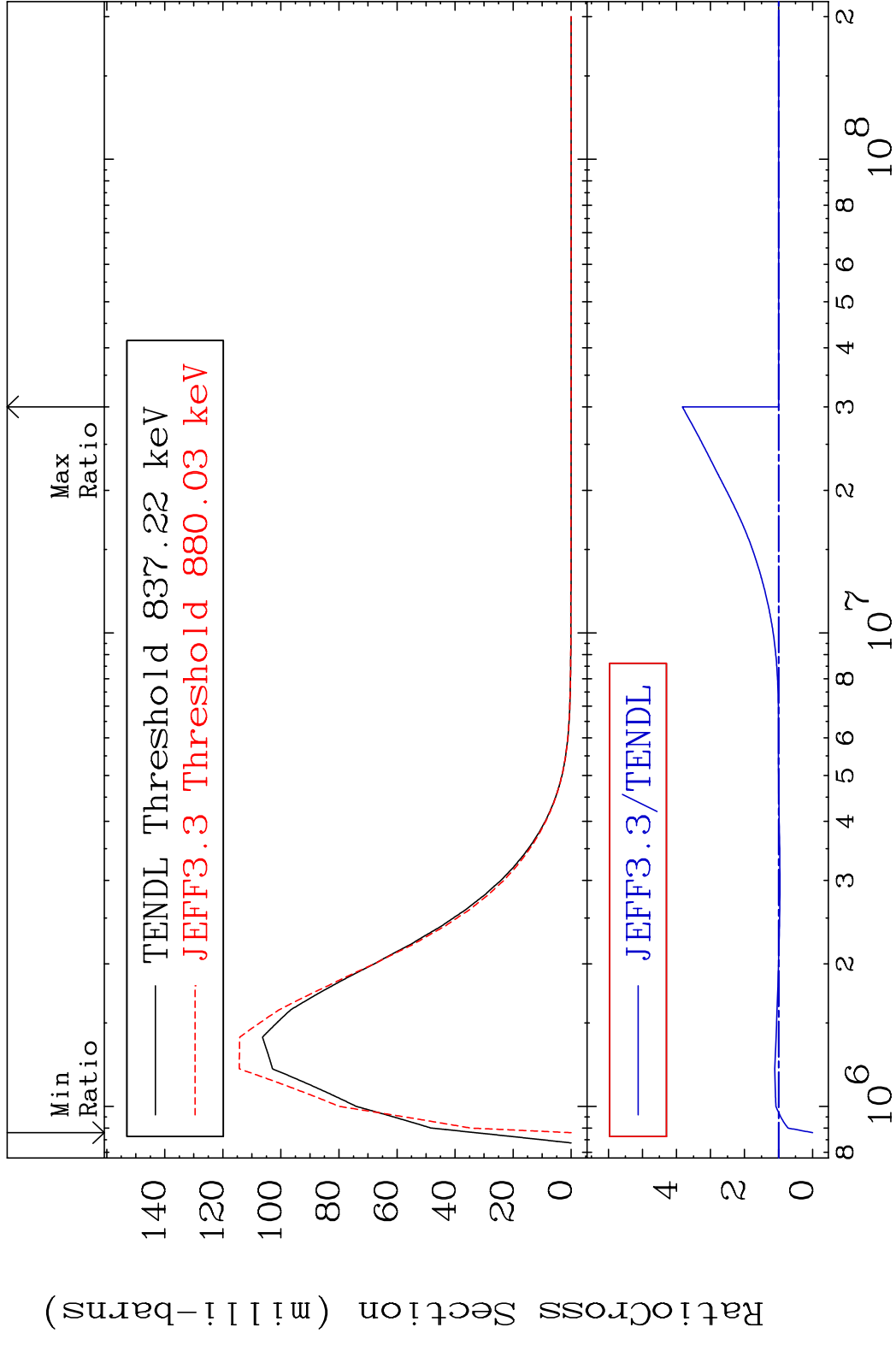
MAT 3234 MT= 66 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 0.000 %



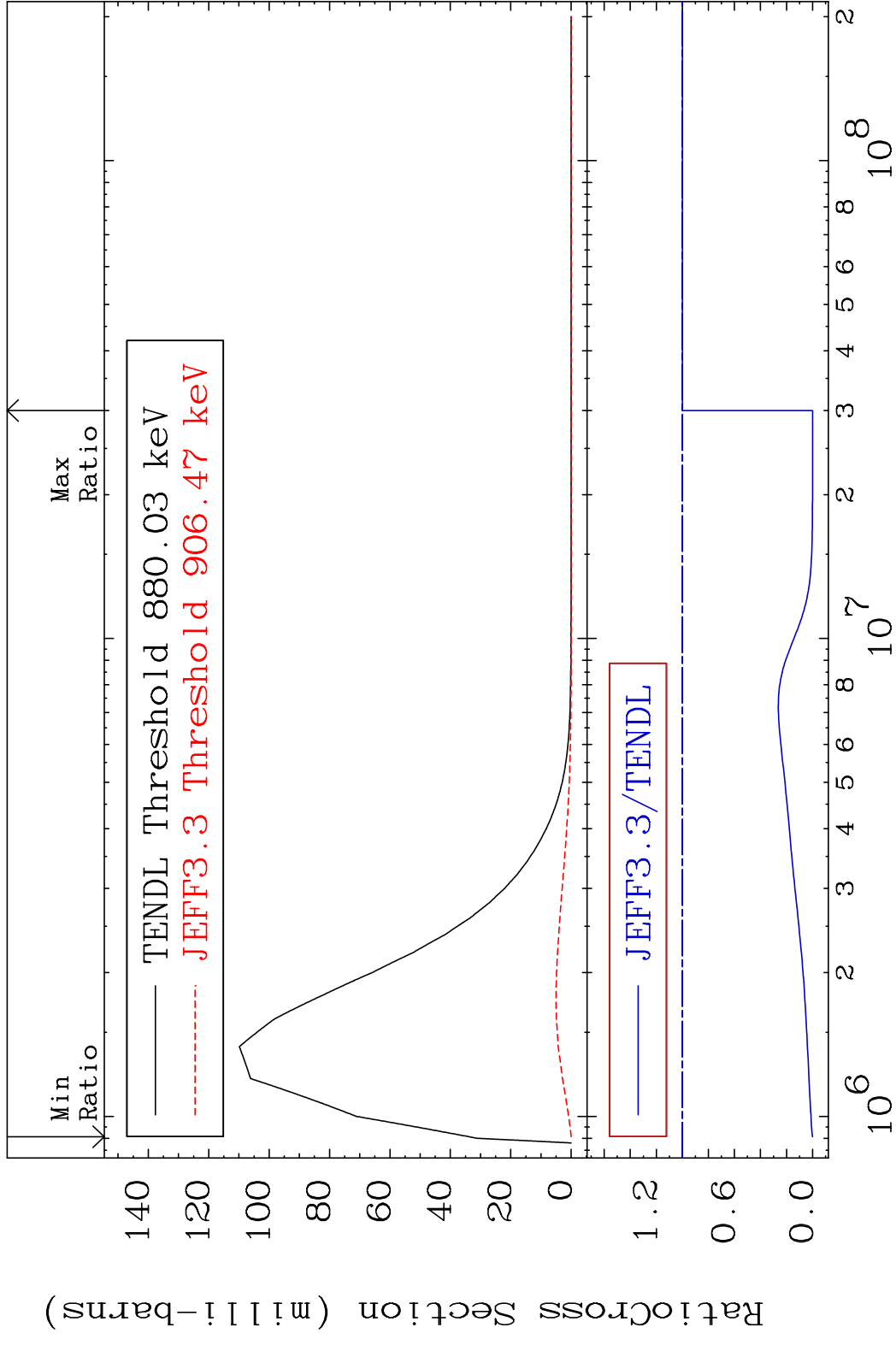
MAT 3234 MT= 67 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 9999. %



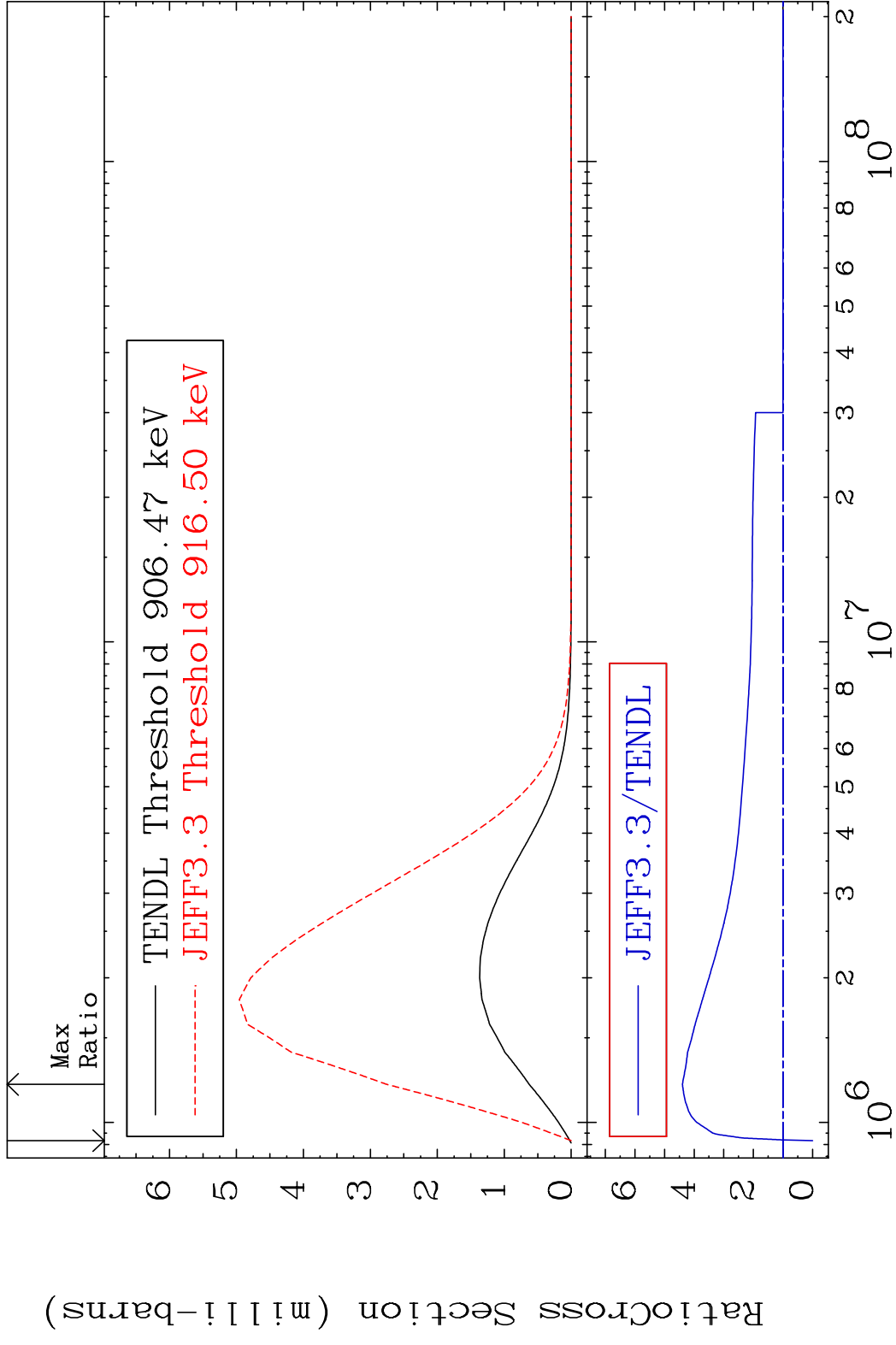
MAT 3234 MT= 68 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 282.6 %



MAT 3234 MT= 69 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 0.000 %

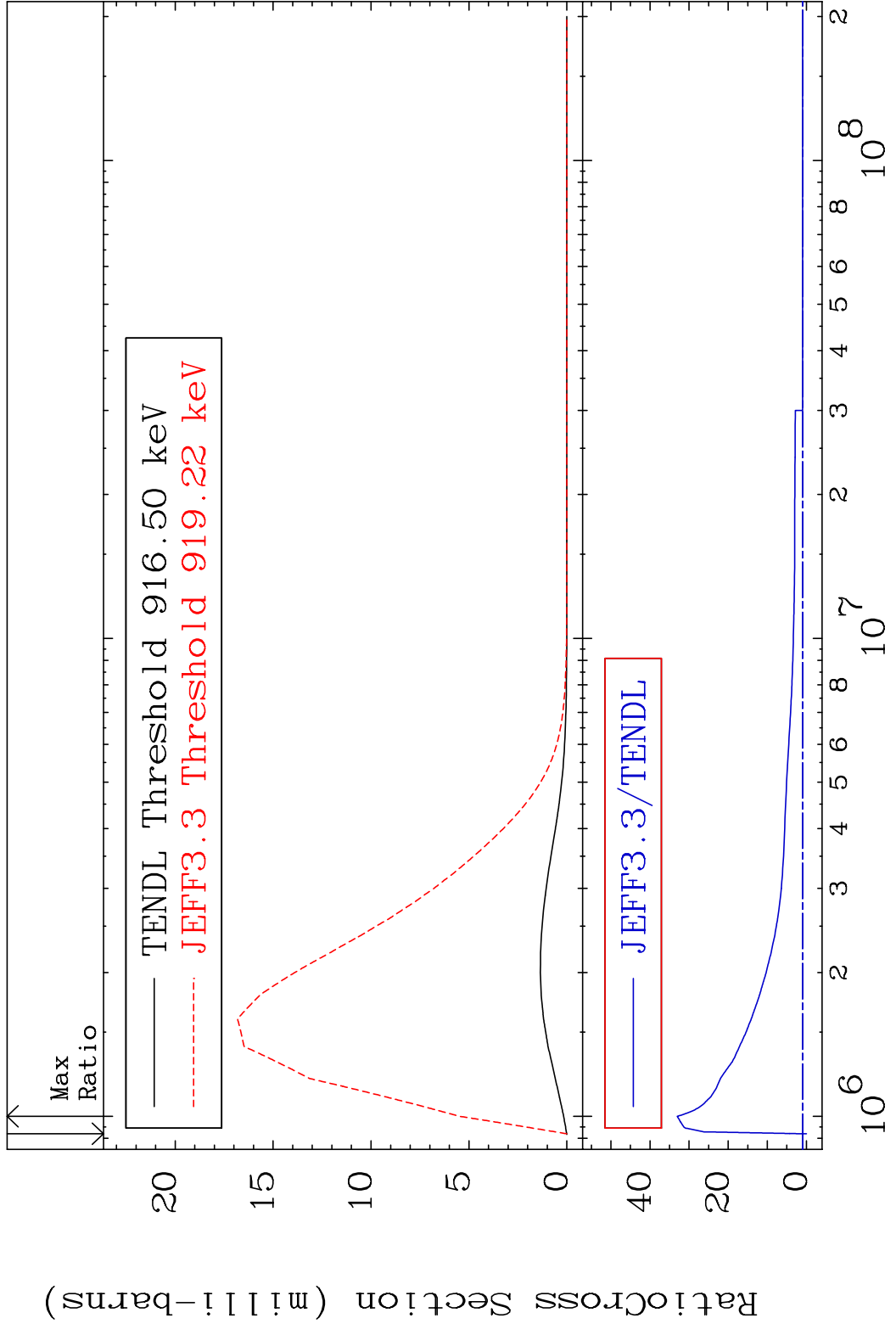


MAT 3234 MT= 70 (n,n') Level 32-Ge-73
 Cross Section -100.0 To 339.9 %



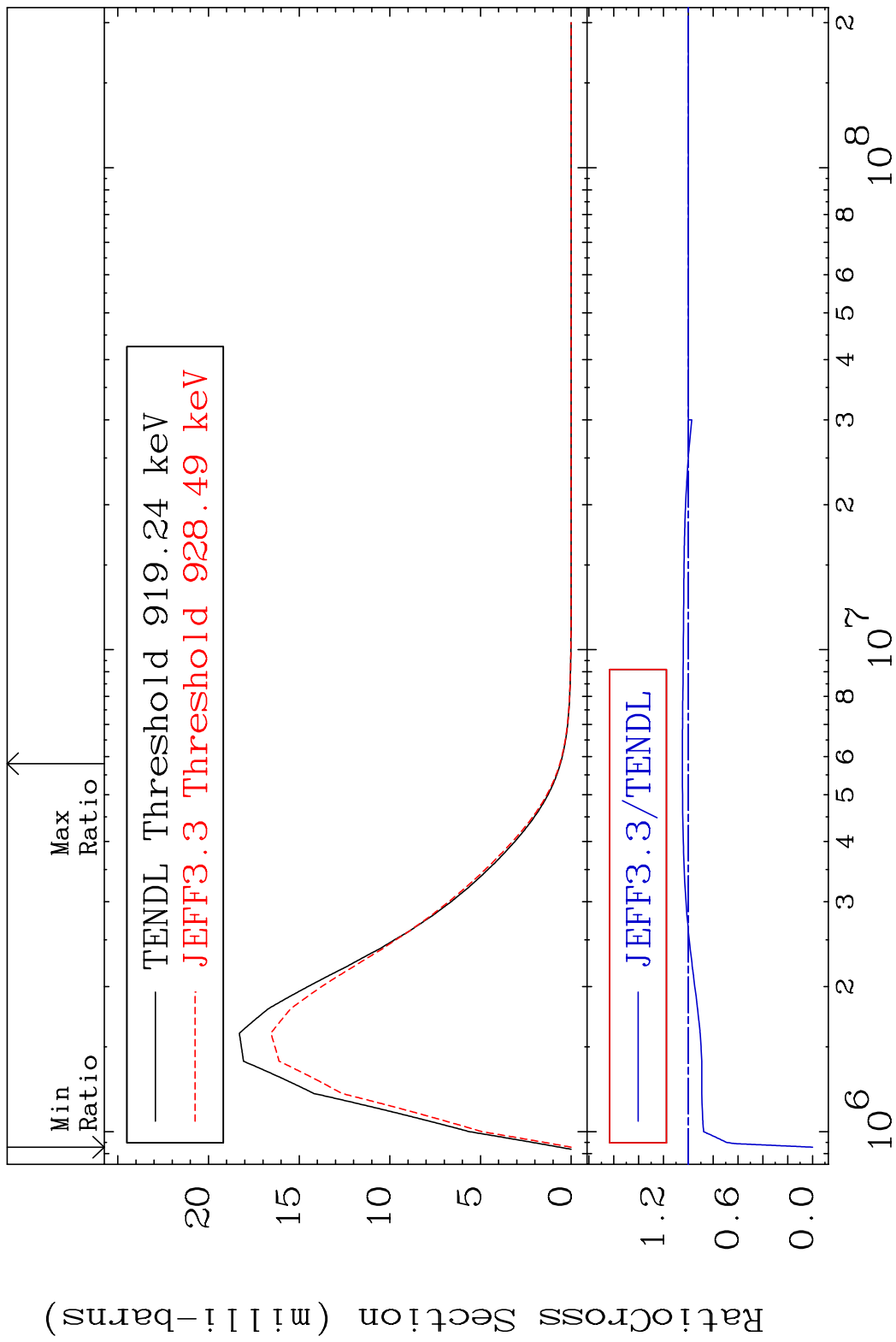
39 Incident Energy (eV) 32-Ge-73

MAT 3234 MT= 71 (n,n') Level 32-Ge-73
 Cross Section -100.0 To 3205. %



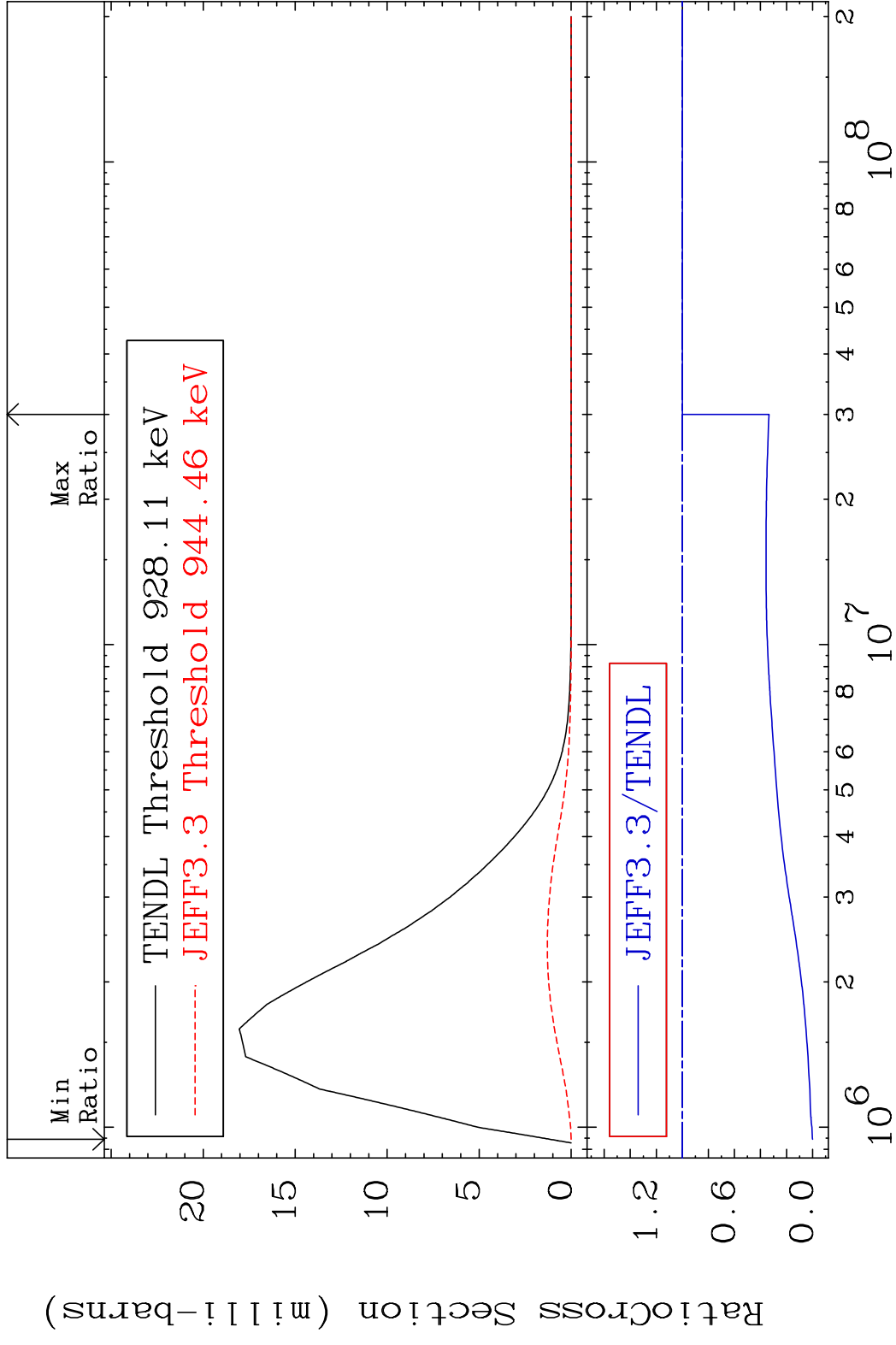
40 2 3 4 5 6 8 10⁷ 10⁸ 2 32-Ge-73

MAT 3234 MT= 72 (n,n') Level 32-Ge-73
 Cross Section -100.0 To 4.823 %



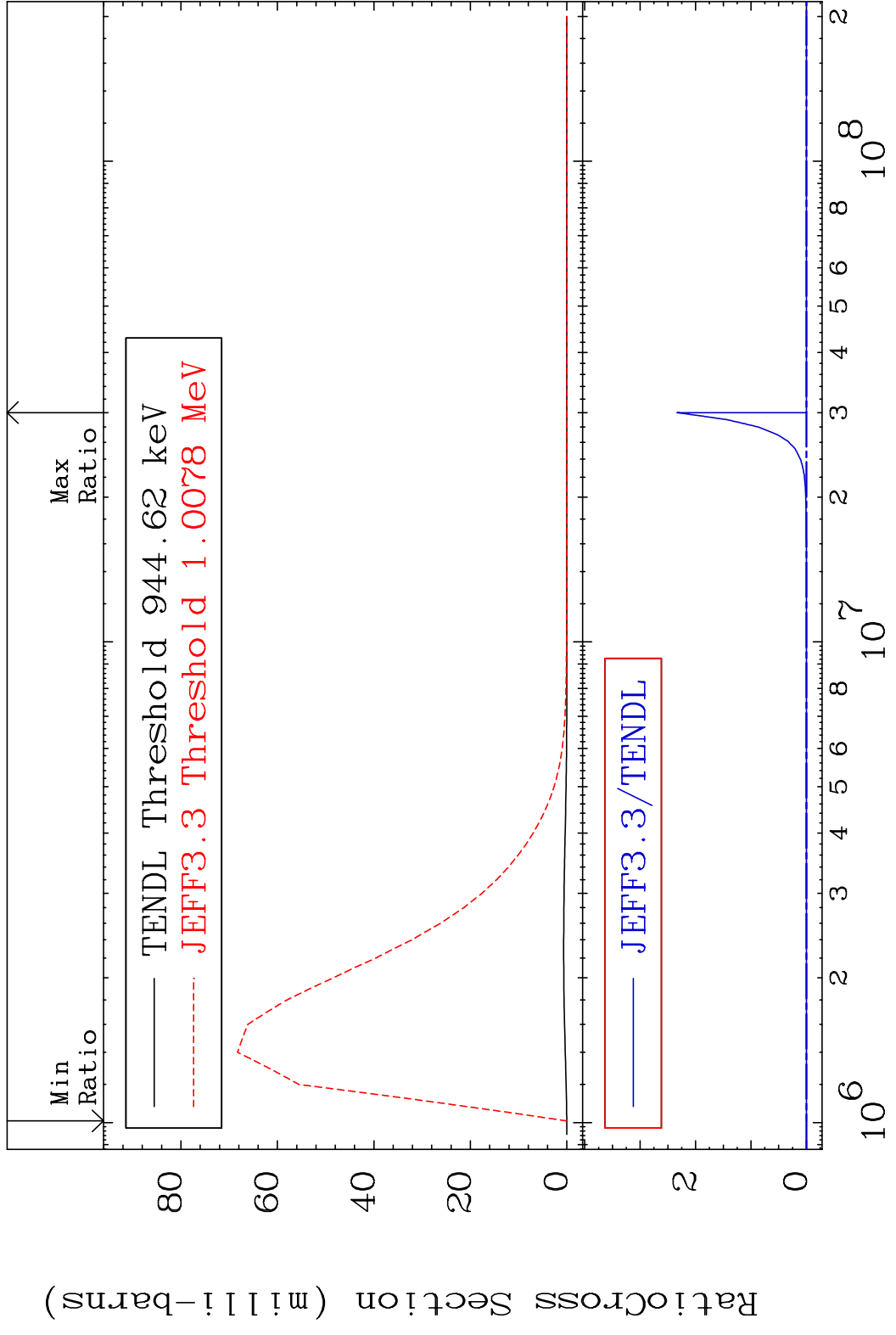
41 Incident Energy (eV) 32-Ge-73

MAT 3234 MT= 73 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 0.000 %



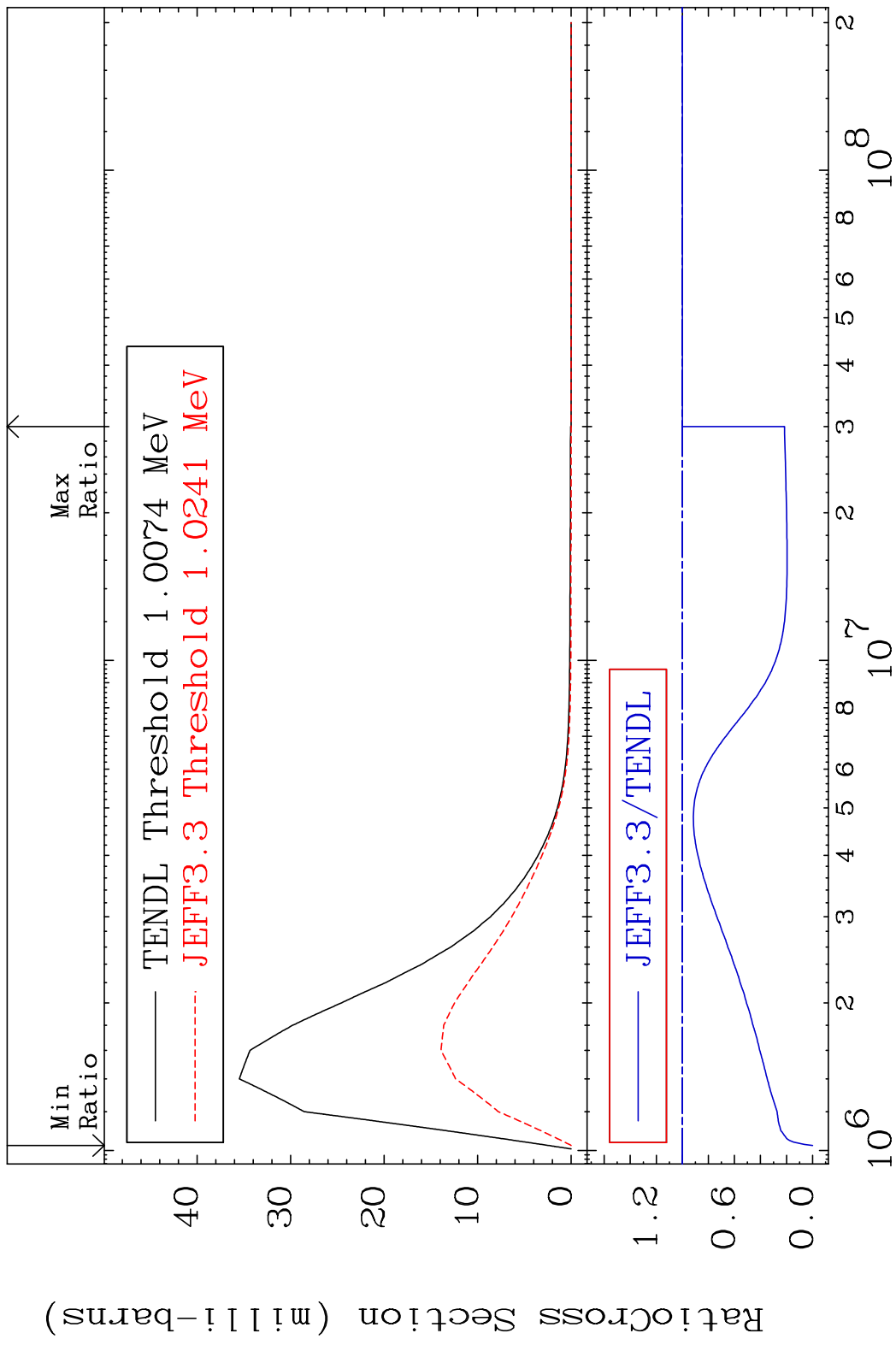
42 Incident Energy (eV) 32-Ge-73

MAT 3234 MT= 74 (n,n') Level 32-Ge-73
 Cross Section -100.0 To 9999. %



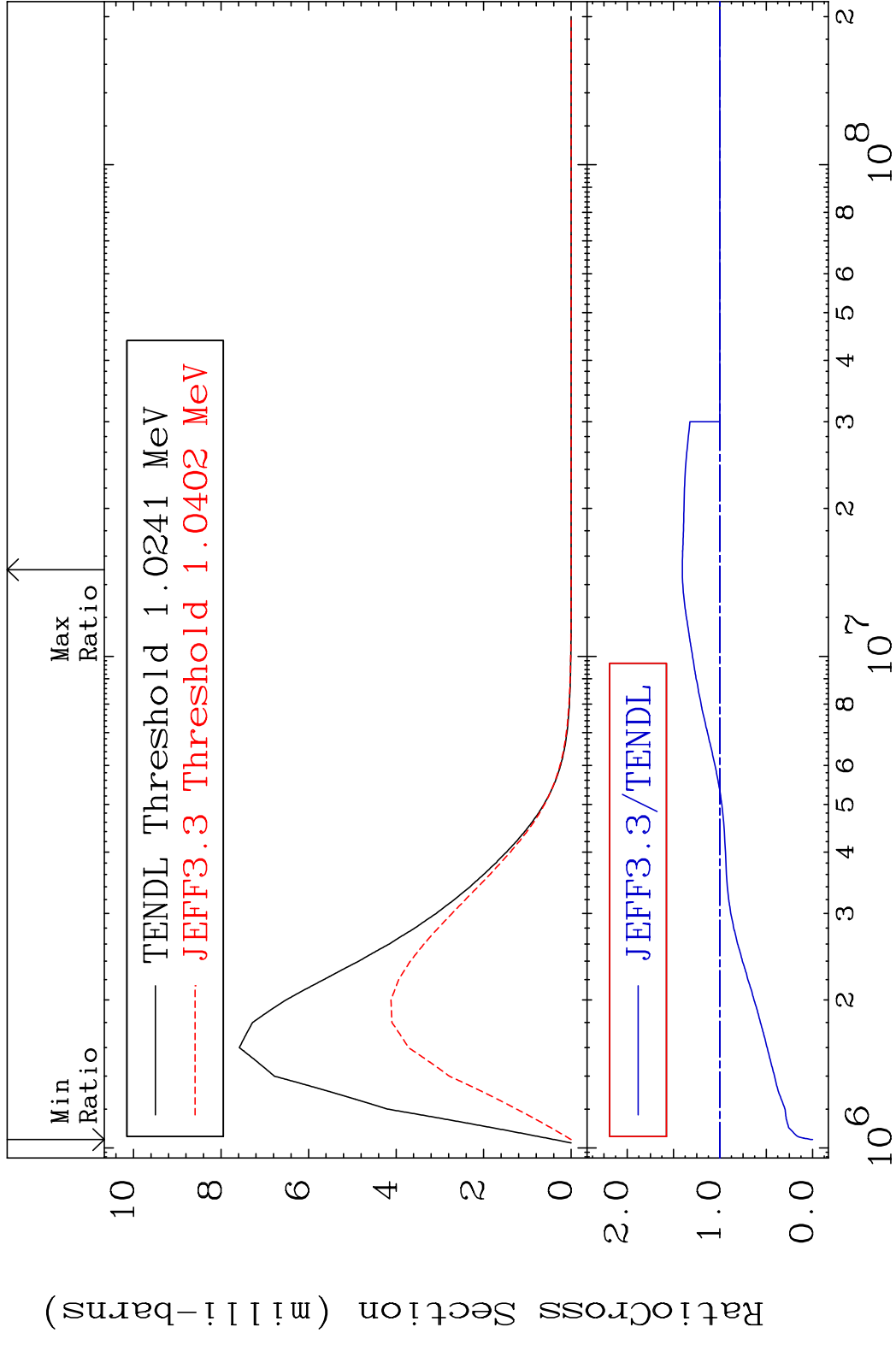
43 Incident Energy (eV) 32-Ge-73

MAT 3234 MT= 75 (n,n') Level 32-Ge-73
 Cross Section -100.0 To 0.000 %



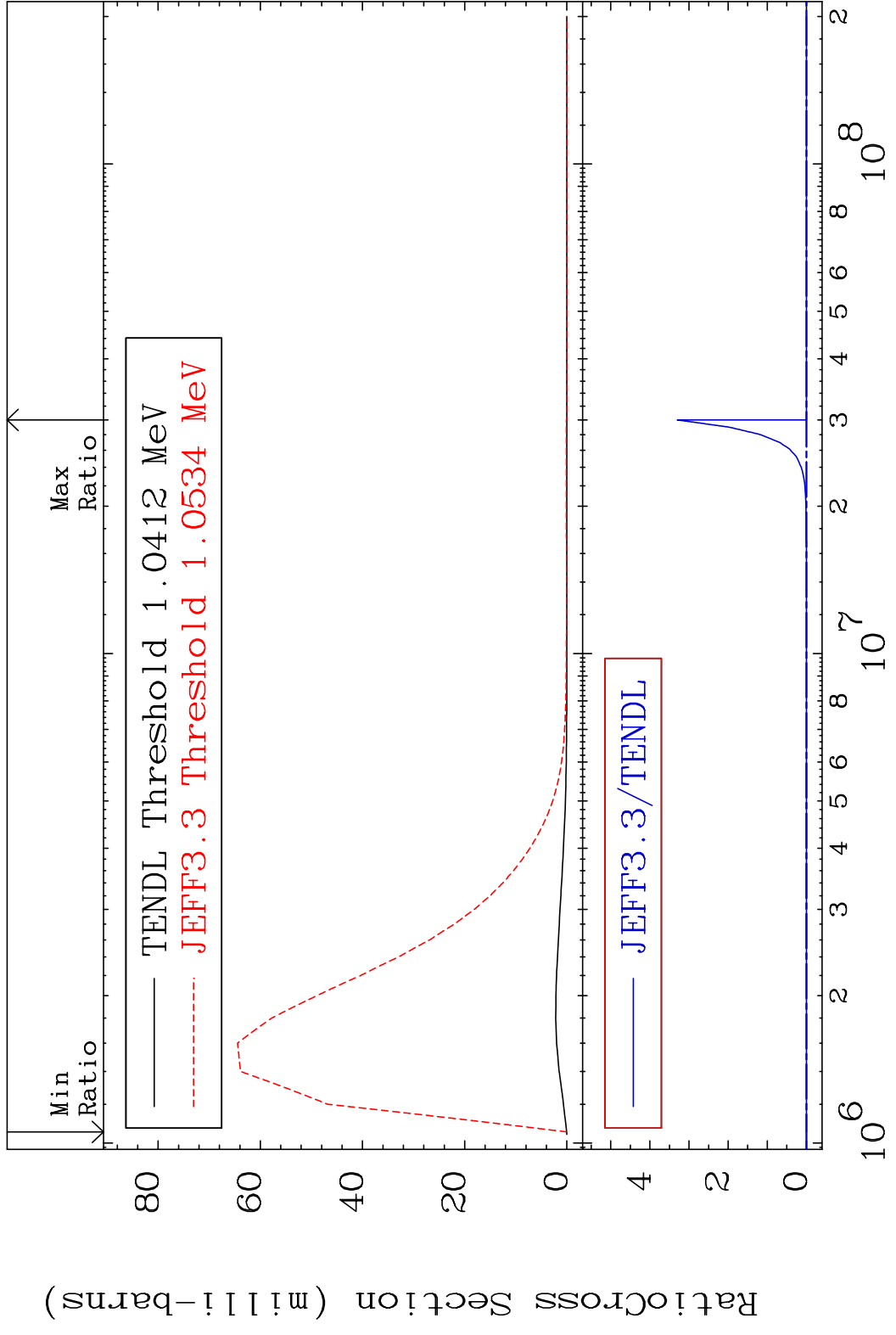
44 Incident Energy (eV) 32-Ge-73

MAT 3234 MT= 76 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 40.49 %



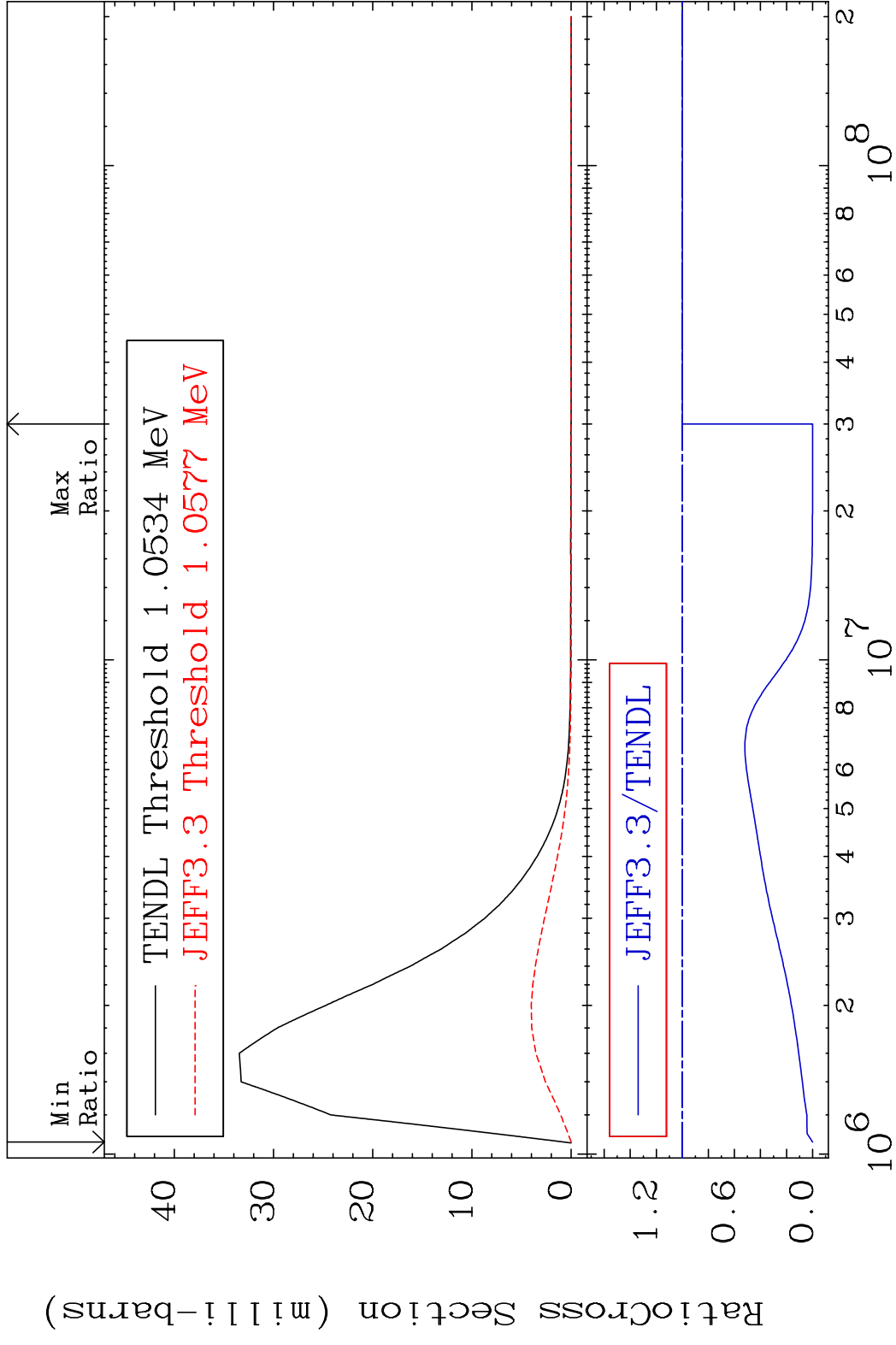
45 Incident Energy (eV) 32-Ge-73

MAT 3234 MT= 77 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 9999. %

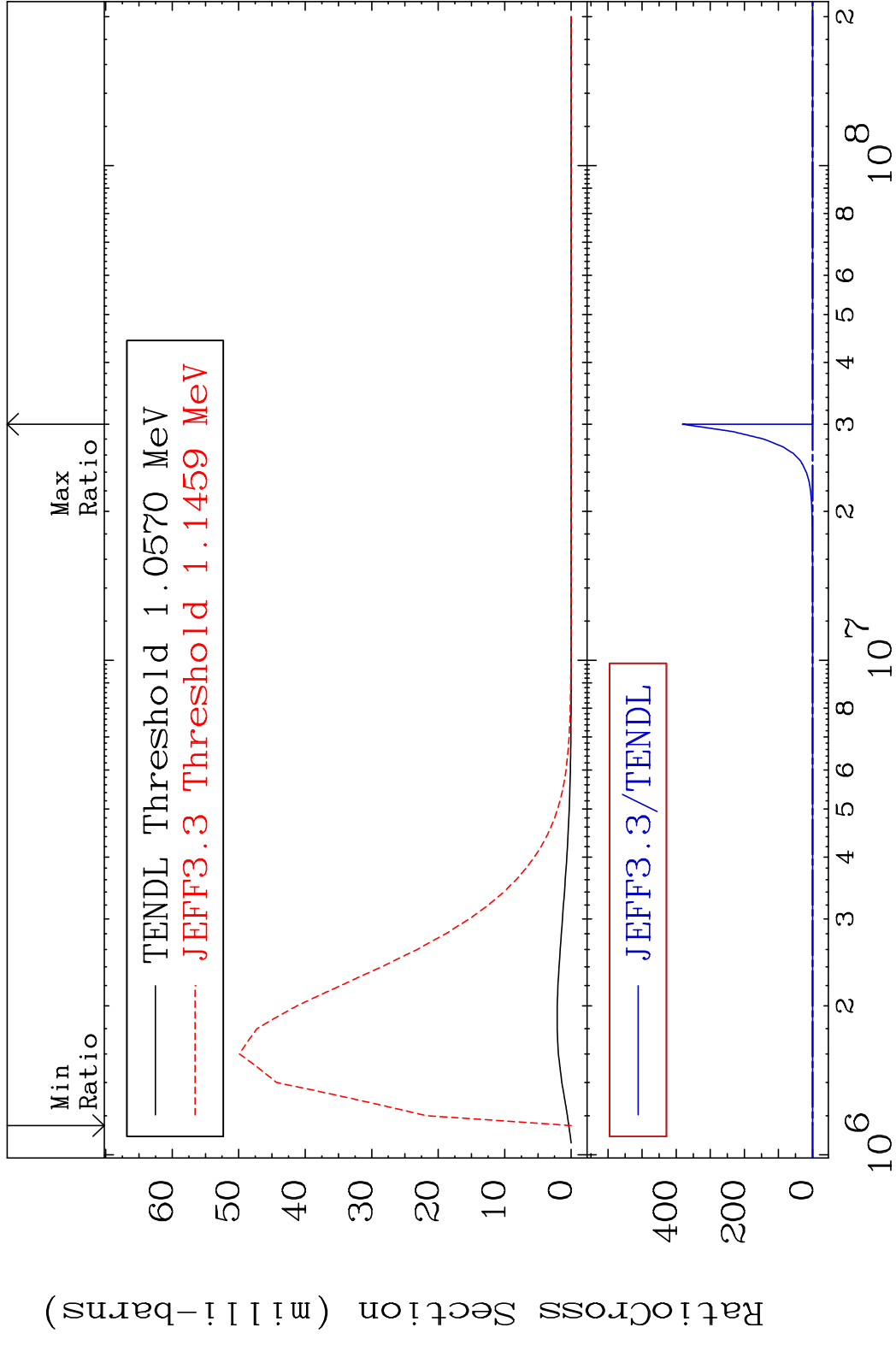


46 Incident Energy (eV) 32-Ge-73

MAT 3234 MT= 78 (n,n') Level 32-Ge-73
 Cross Section -100.0 To 0.000 %

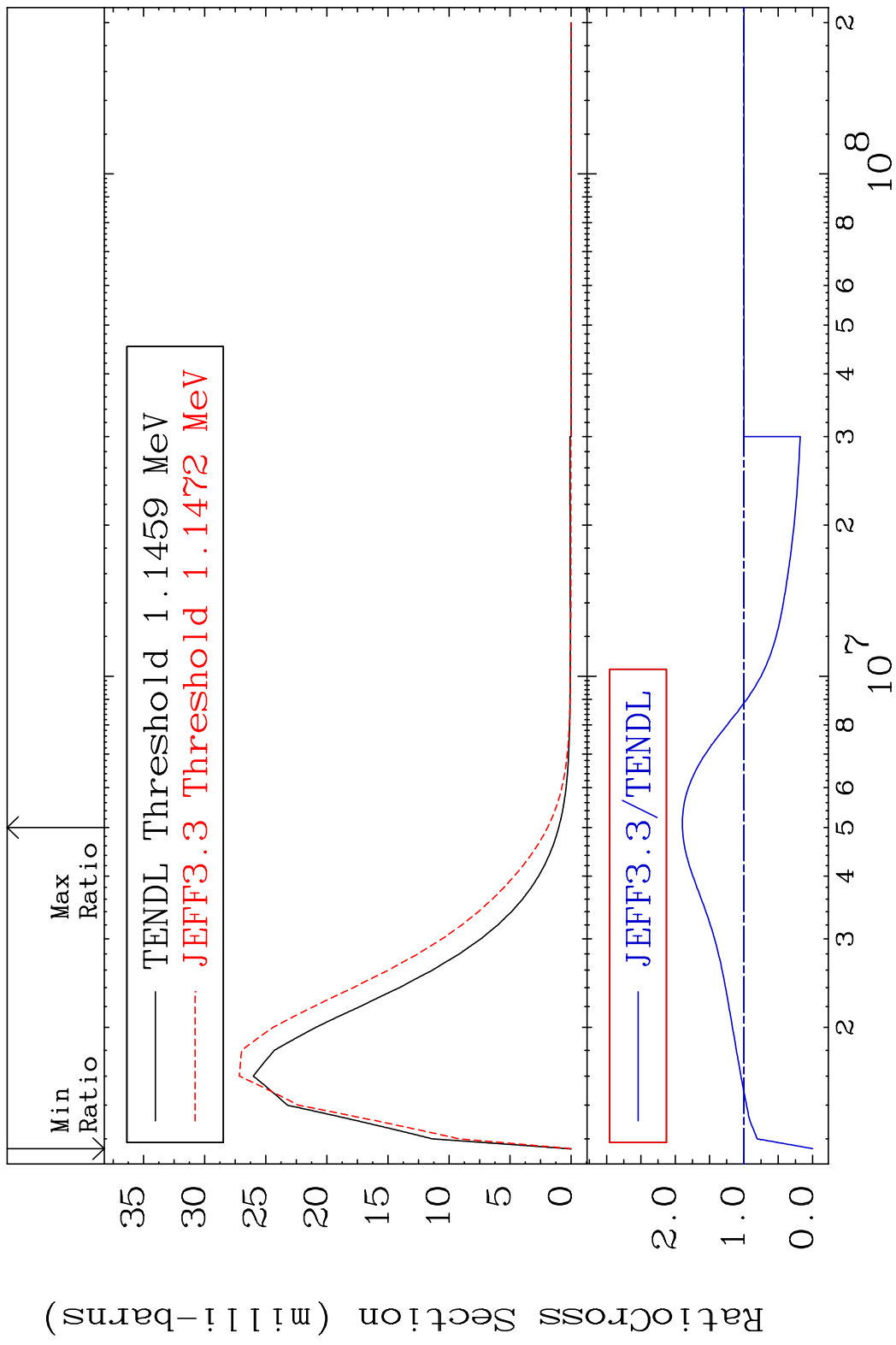


MAT 3234 MT= 79 (n, n') Level 32-Ge-73
 Cross Section -100.0 To 9999. %

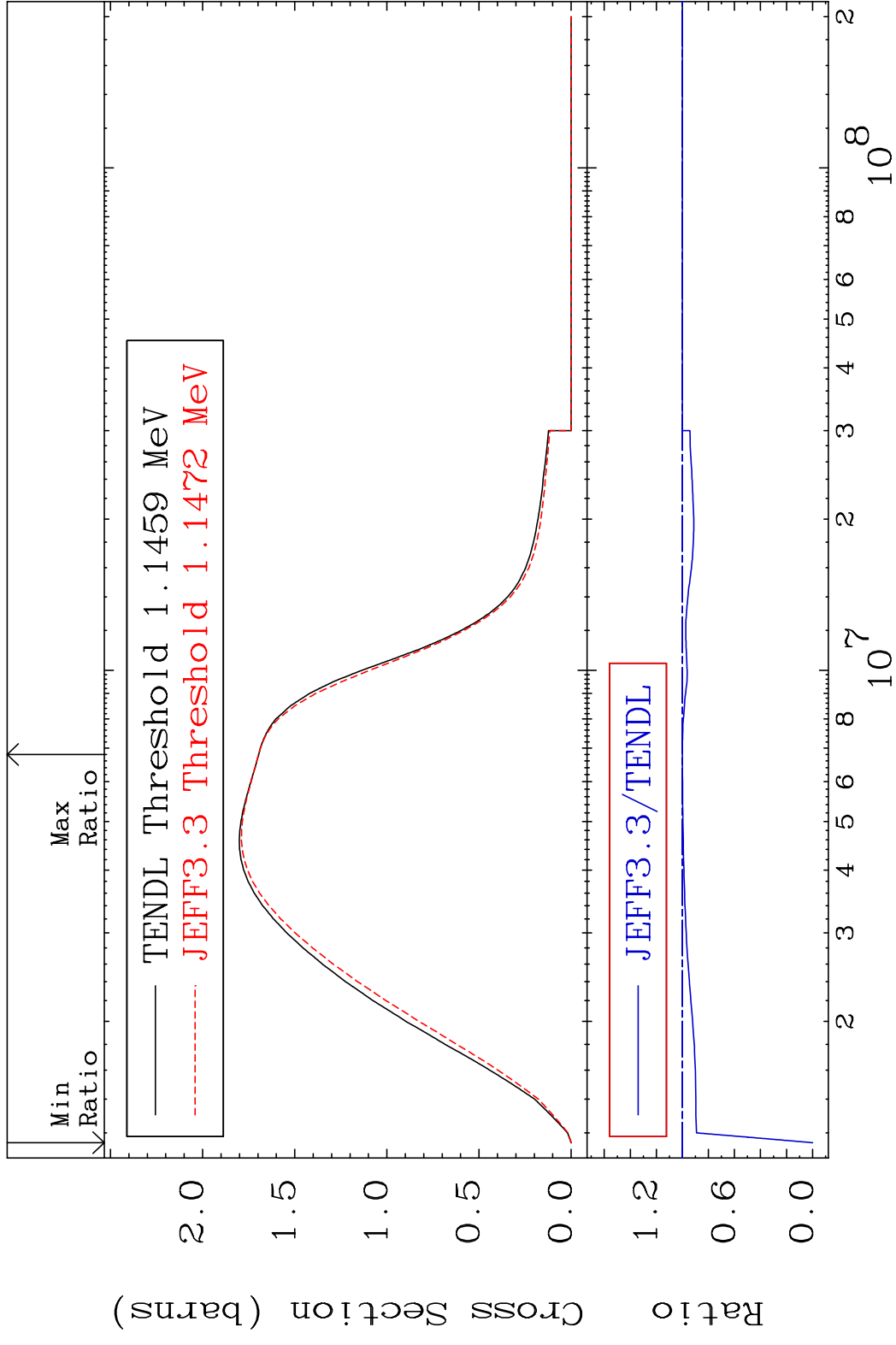


48 Incident Energy (eV) 32-Ge-73

MAT 3234 MT= 80 (n,n') Level 32-Ge-73
 Cross Section -100.0 To 89.66 %



MAT 3234 (n, n') Continuum 32-Ge-73
 Cross Section -100.0 To 0.019 %

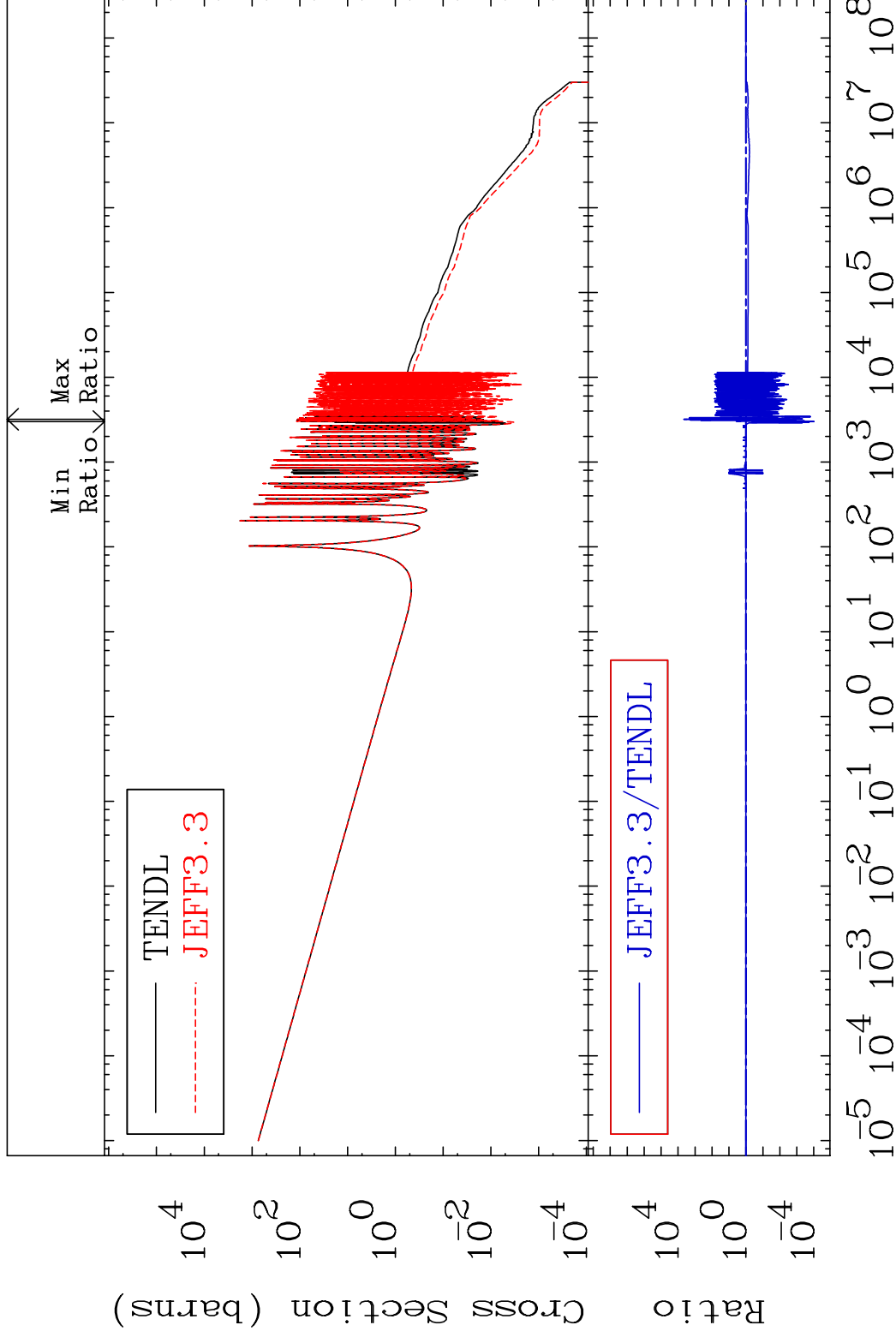


MAT 3234

(n, γ)

32-Ge-73

Cross Section -99.99 To 9999. %



51

Incident Energy (eV)

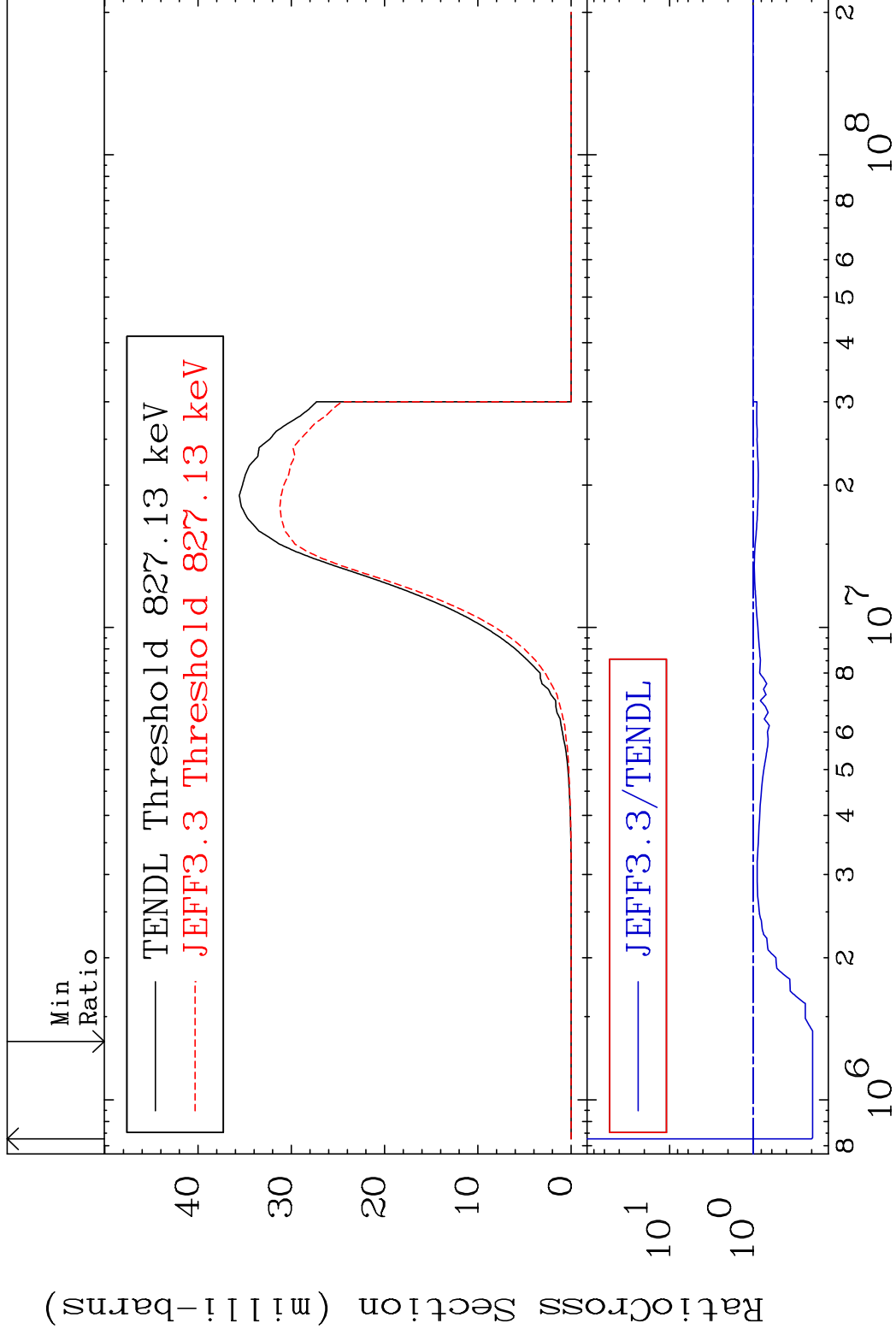
32-Ge-73

MAT 3234

(n, p)

32-Ge-73

Cross Section -80.49 To 602.2 %



52

Incident Energy (eV)

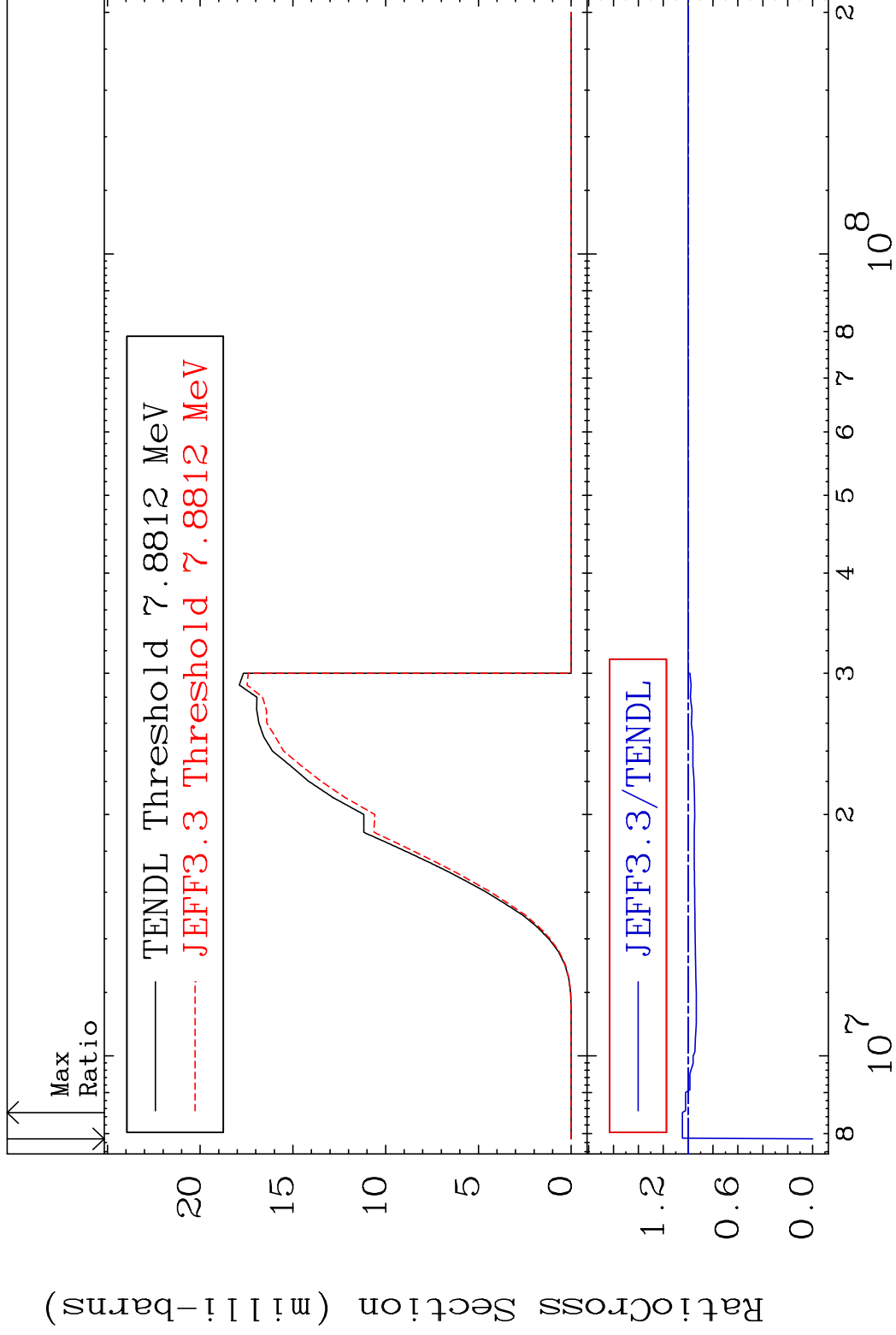
32-Ge-73

MAT 3234

(n,d)

32-Ge-73

Cross Section -100.0 To 4.640 %



53

Incident Energy (eV)

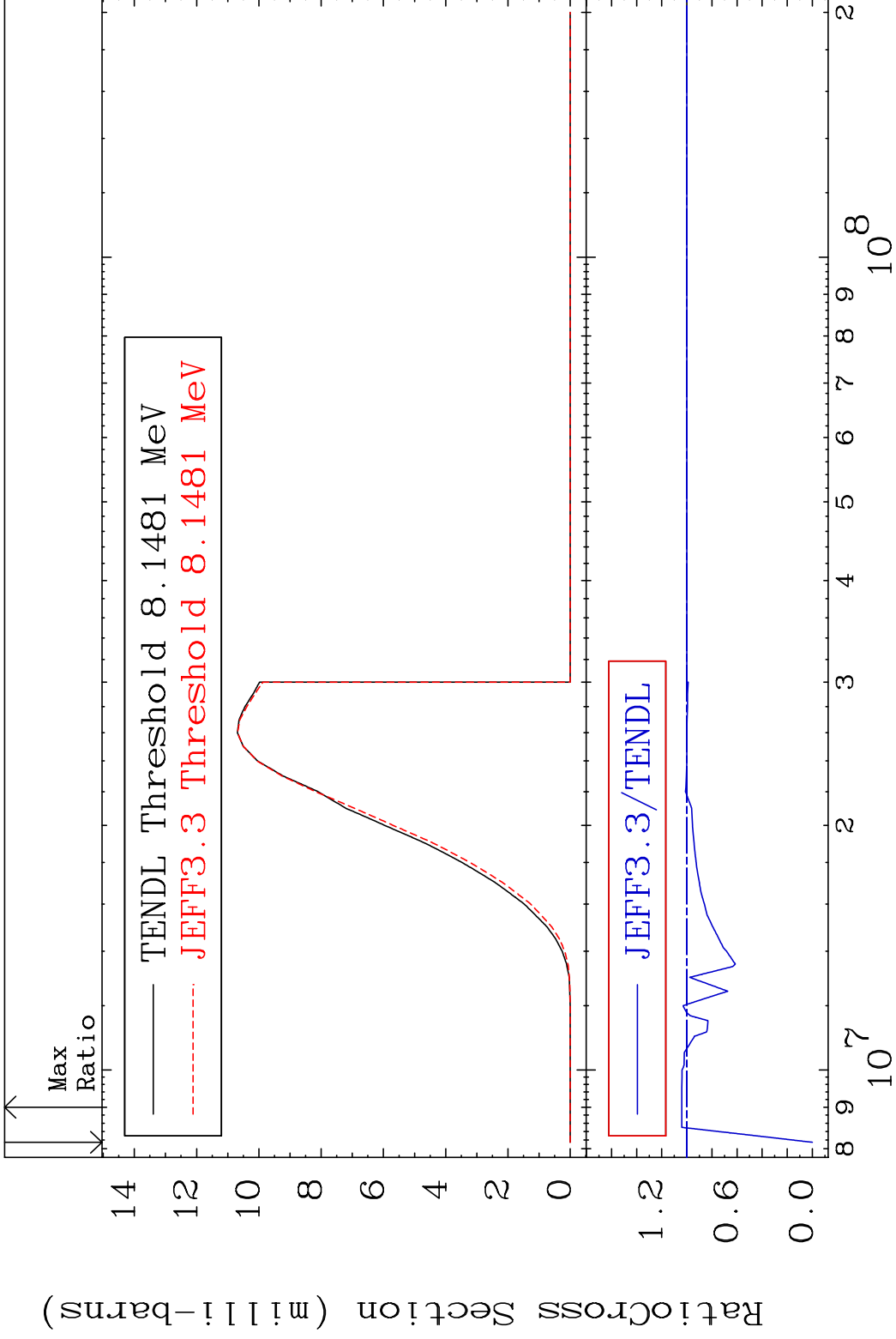
32-Ge-73

MAT 3234

(n, t)

32-Ge-73

Cross Section -100.0 To 4.061 %



54

Incident Energy (eV)

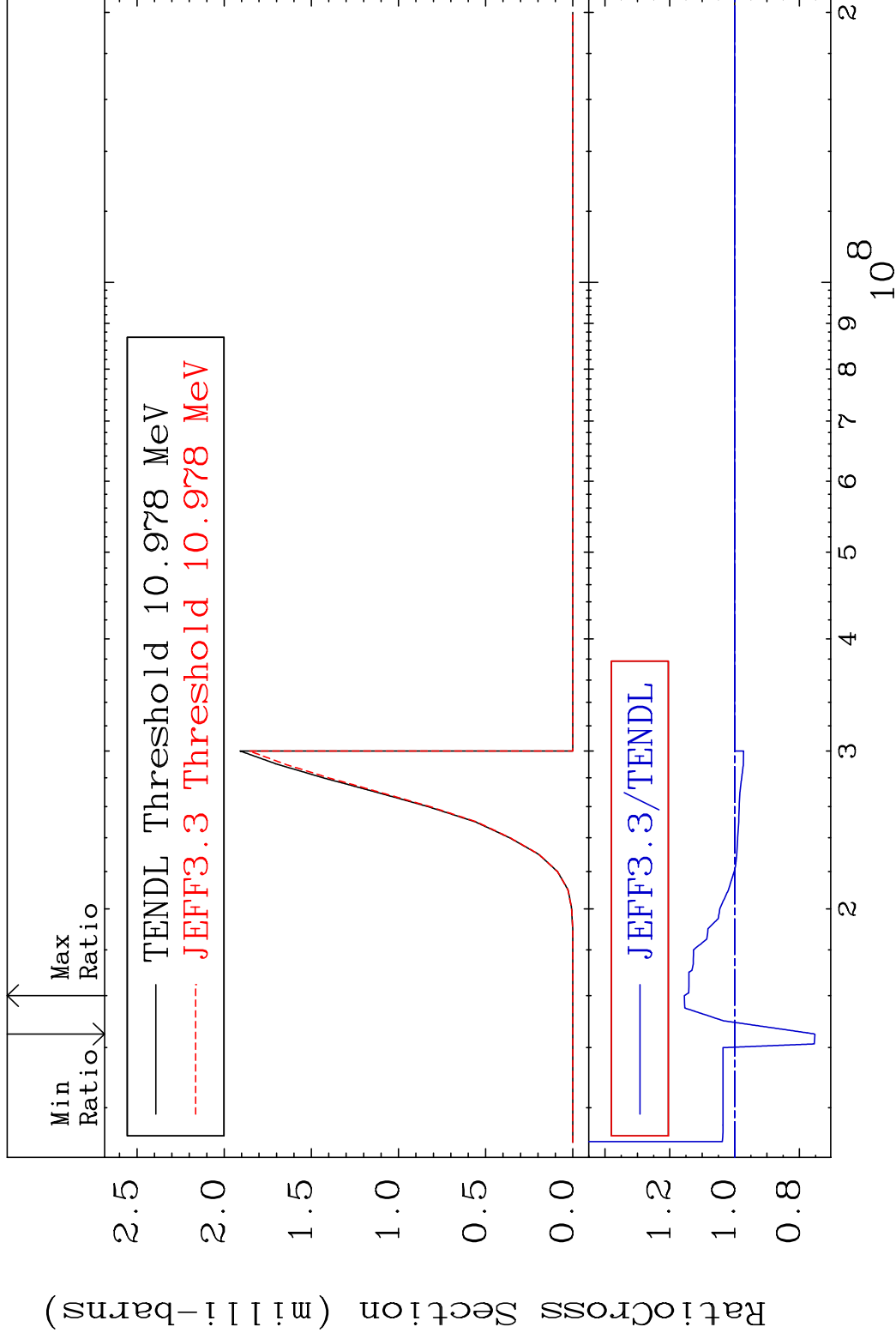
32-Ge-73

MAT 3234

(n, He-3)

32-Ge-73

Cross Section -24.77 To 15.52 %

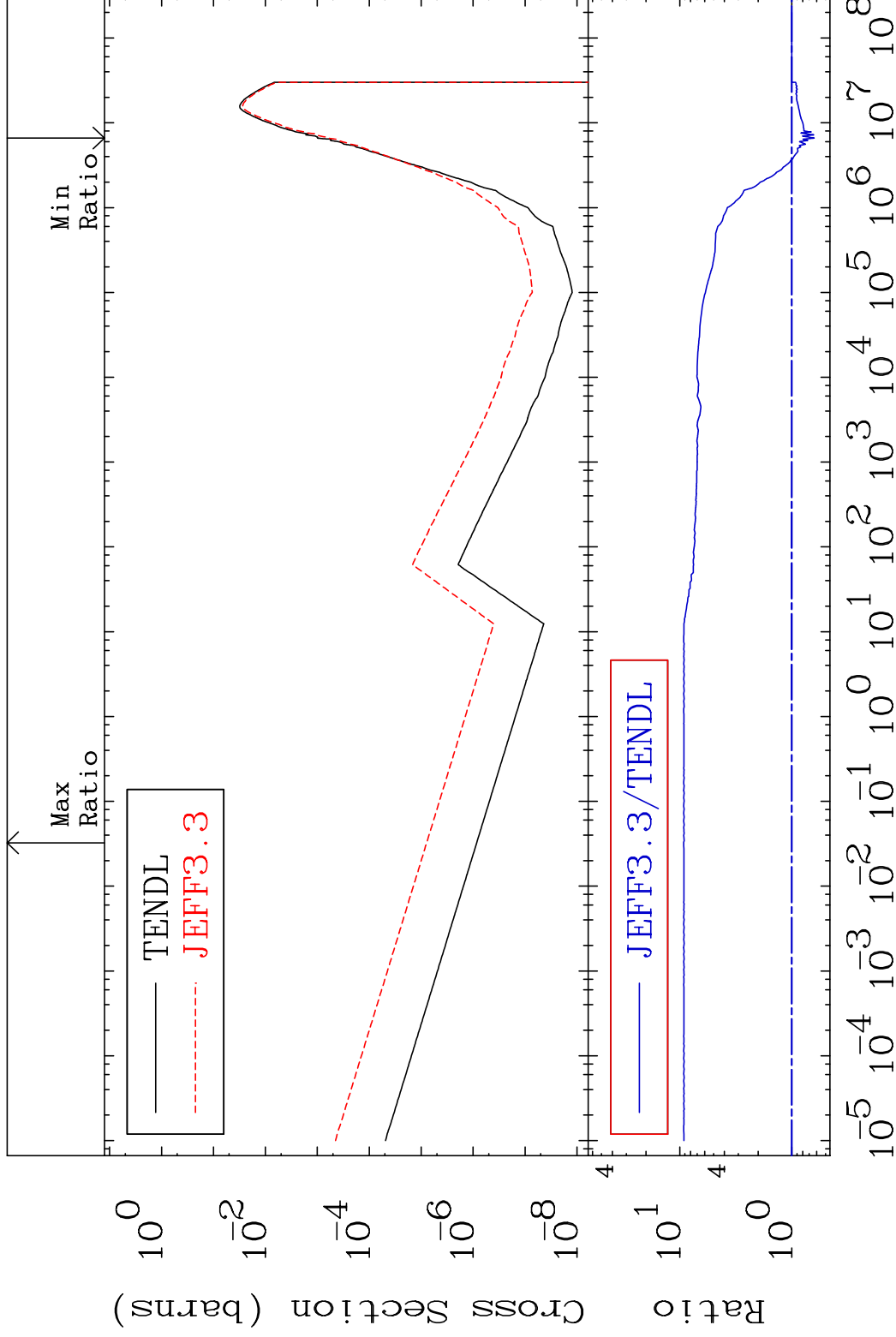


MAT 3234

(n, α)

32-Ge-73

Cross Section -36.69 To 823.4 %



56

Incident Energy (eV)

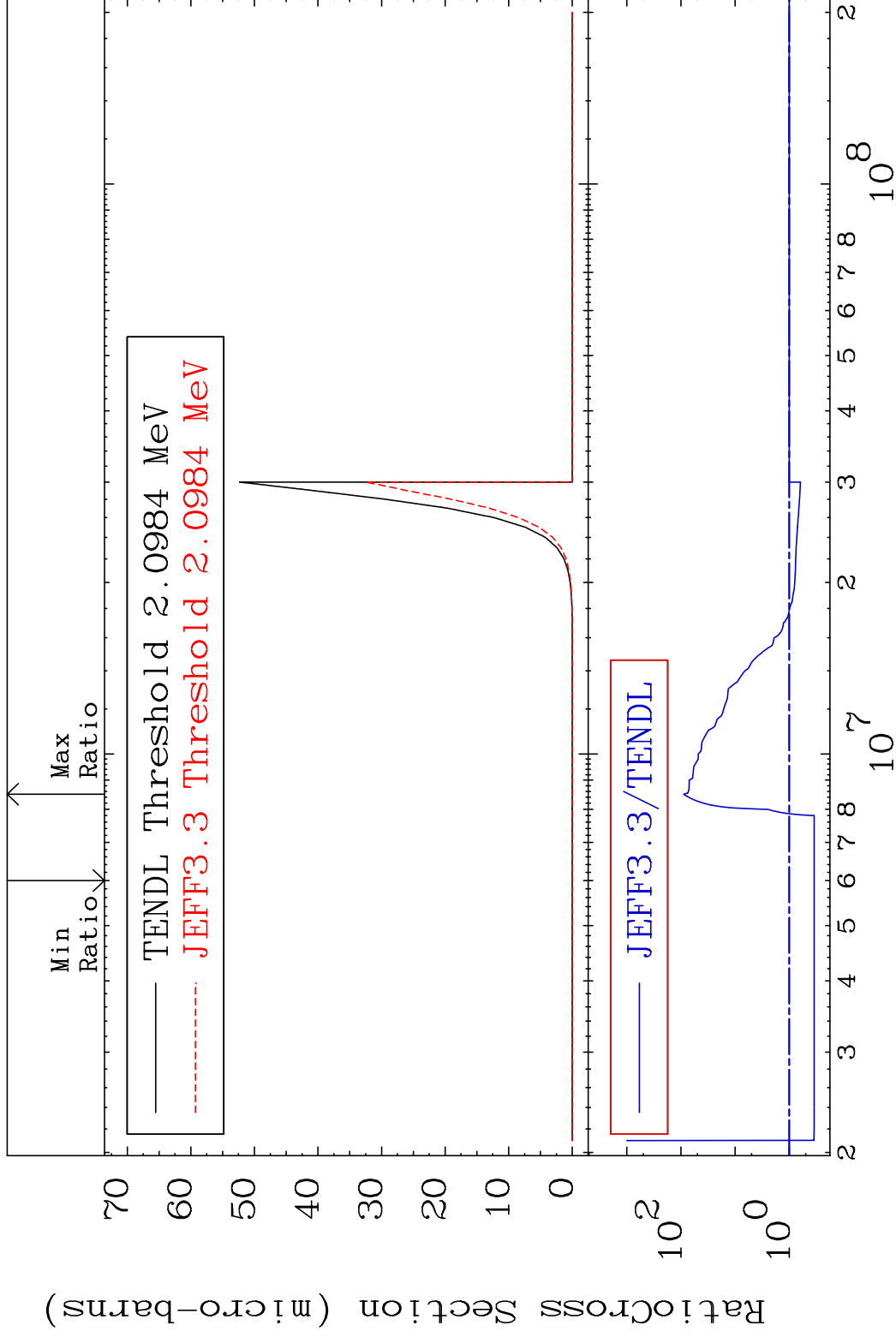
32-Ge-73

MAT 3234

(n, 2α)

32-Ge-73

Cross Section -65.13 To 8846. %



57

Incident Energy (eV)

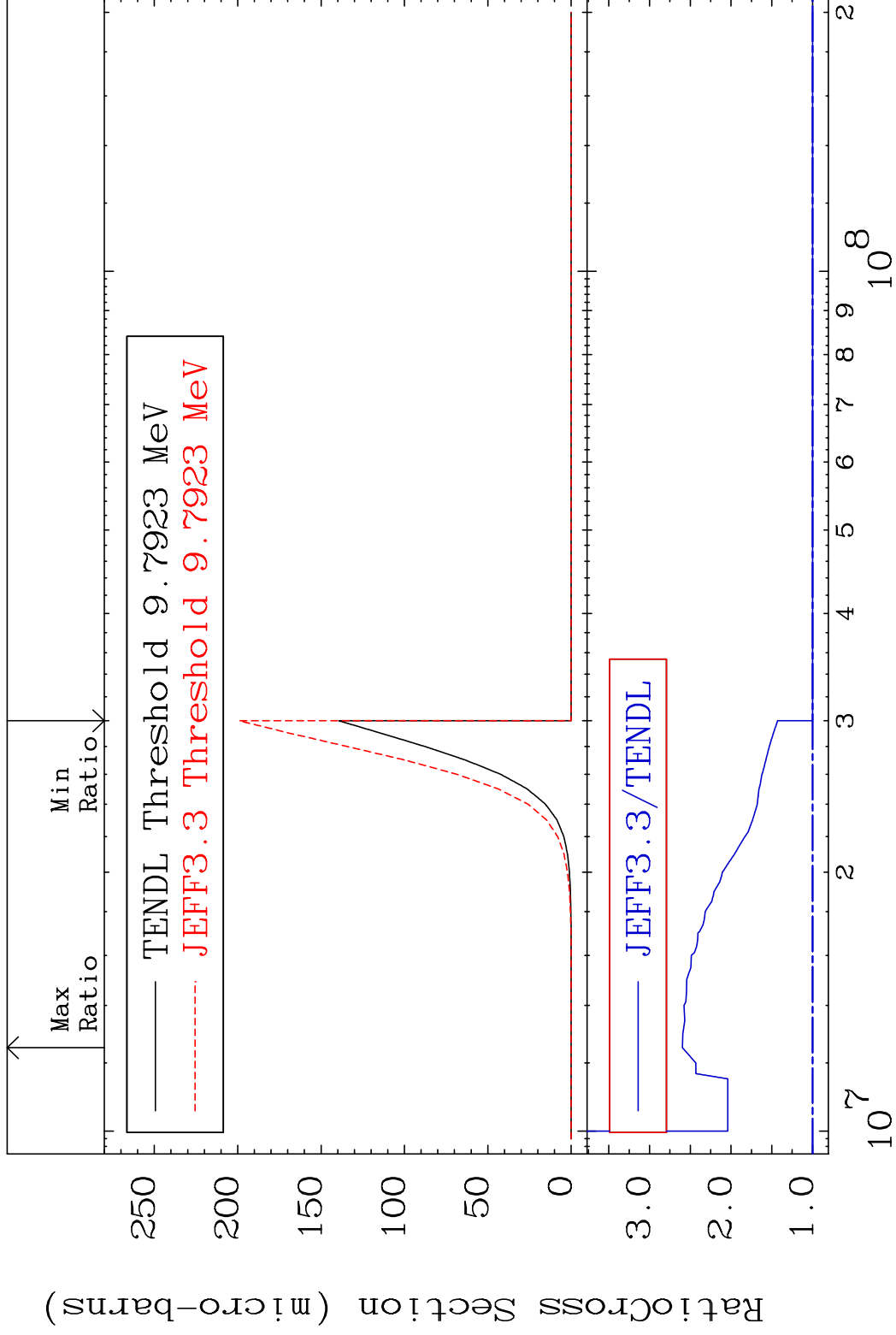
32-Ge-73

MAT 3234

(n,2p)

$^{32}\text{Ge-73}$

Cross Section 0.000 To 159.7 %



58

Incident Energy (eV)

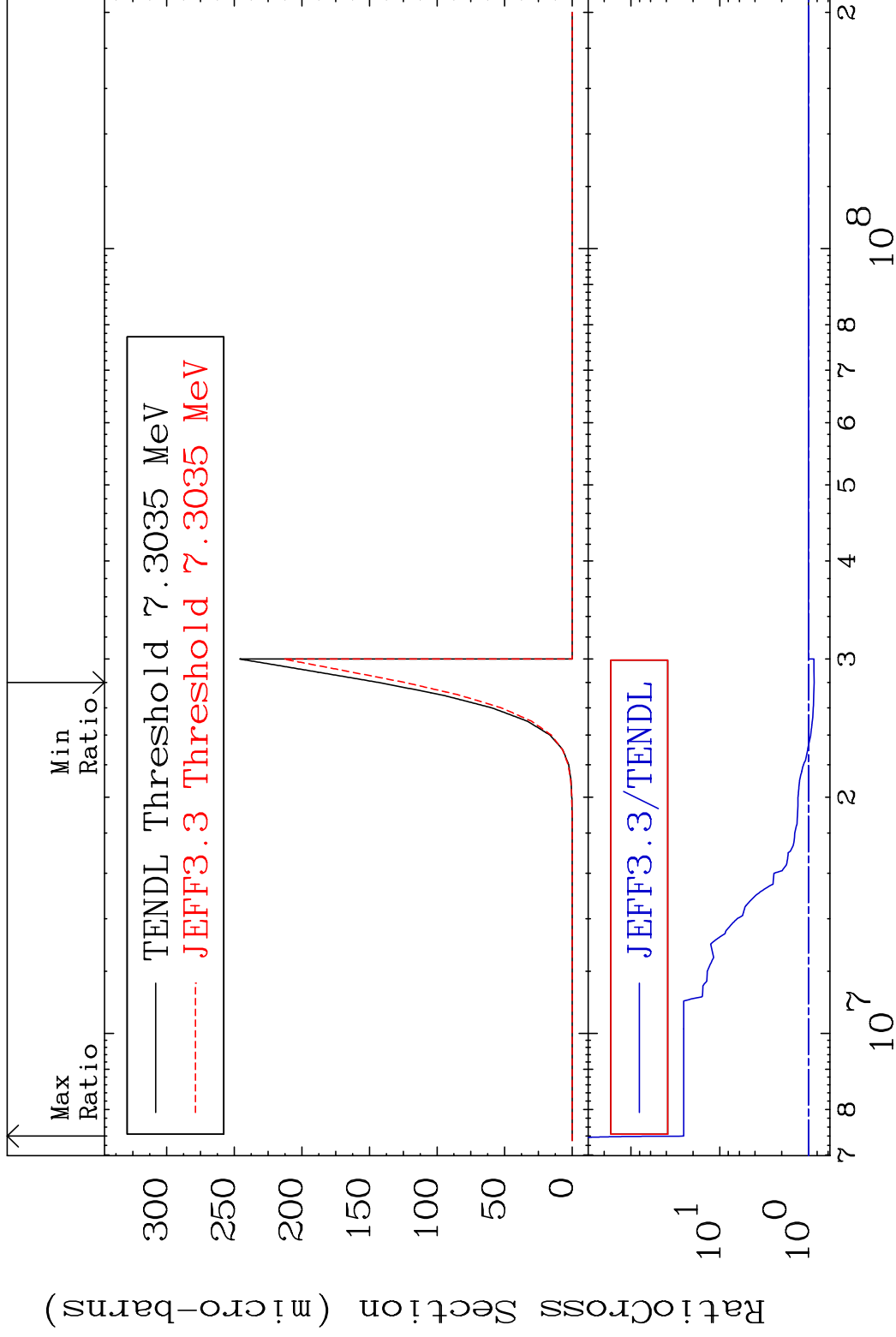
$^{32}\text{Ge-73}$

MAT 3234

(n,p) α

32-Ge-73

Cross Section -13.56 To 2445. %



59

Incident Energy (eV)

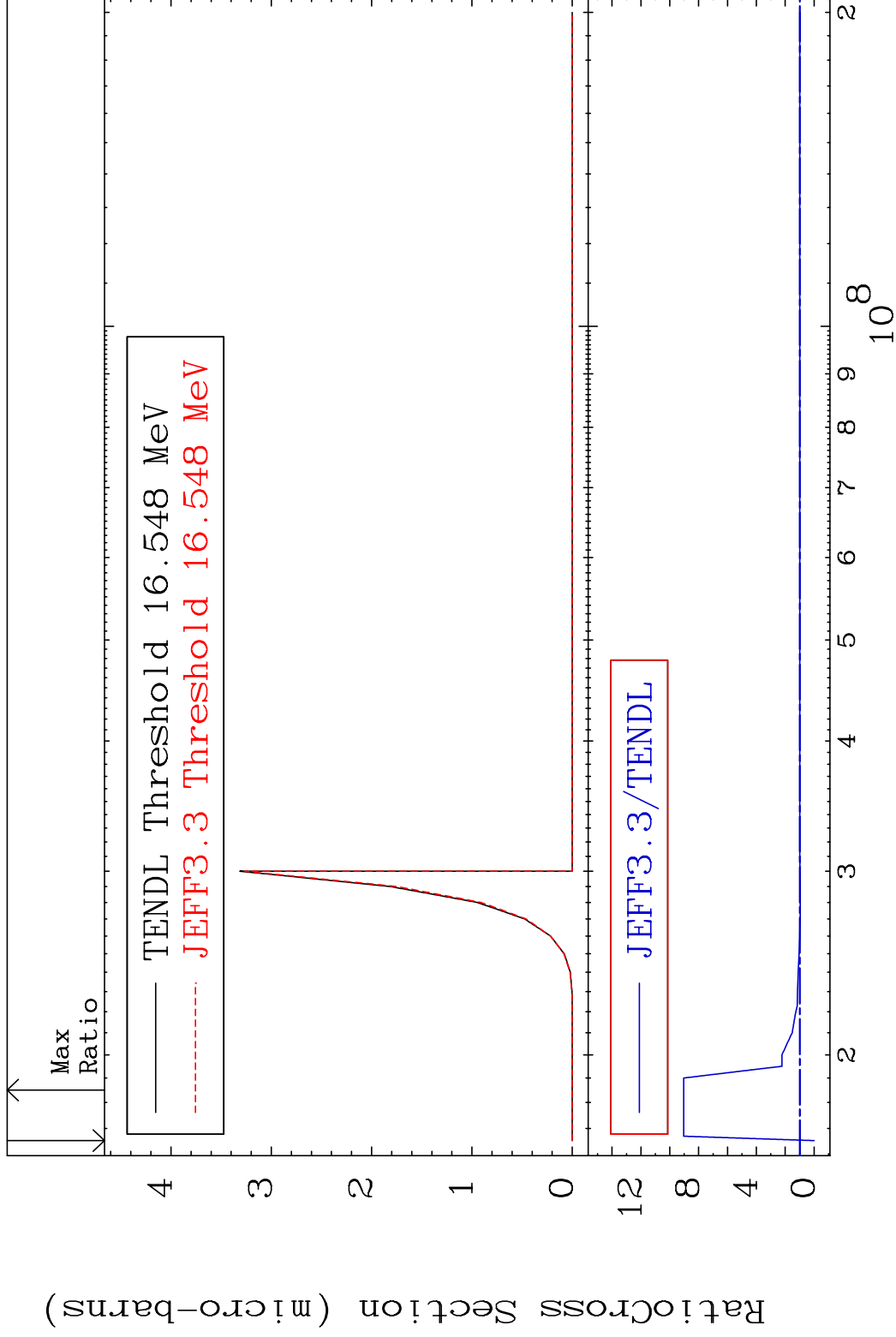
32-Ge-73

MAT 3234

(n,p) d

32-Ge-73

Cross Section -100.0 To 803.9 %

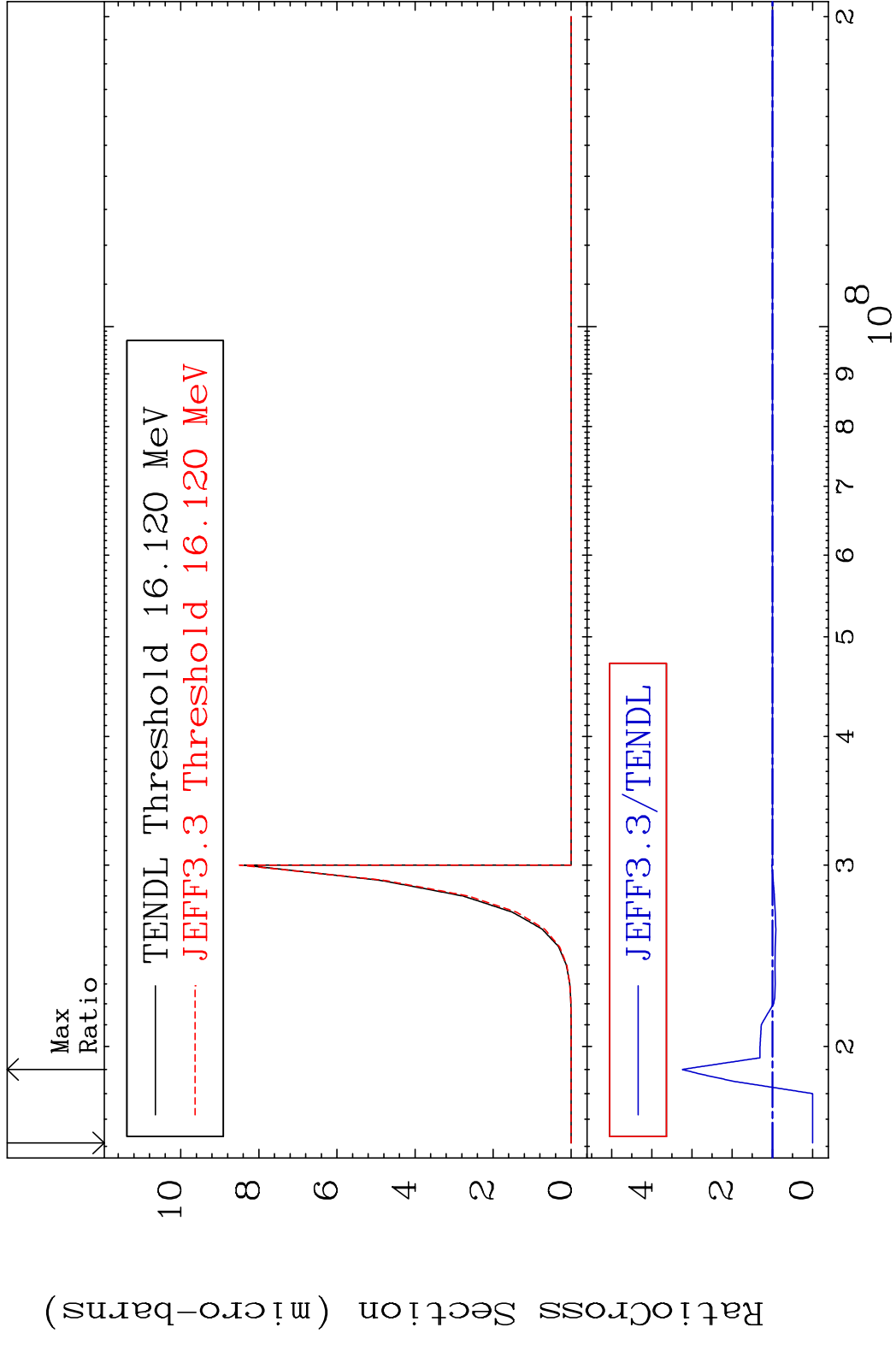


60

Incident Energy (eV)

32-Ge-73

MAT 3234 (n,p) t 32-Ge-73
 Cross Section -100.0 To 224.0 %

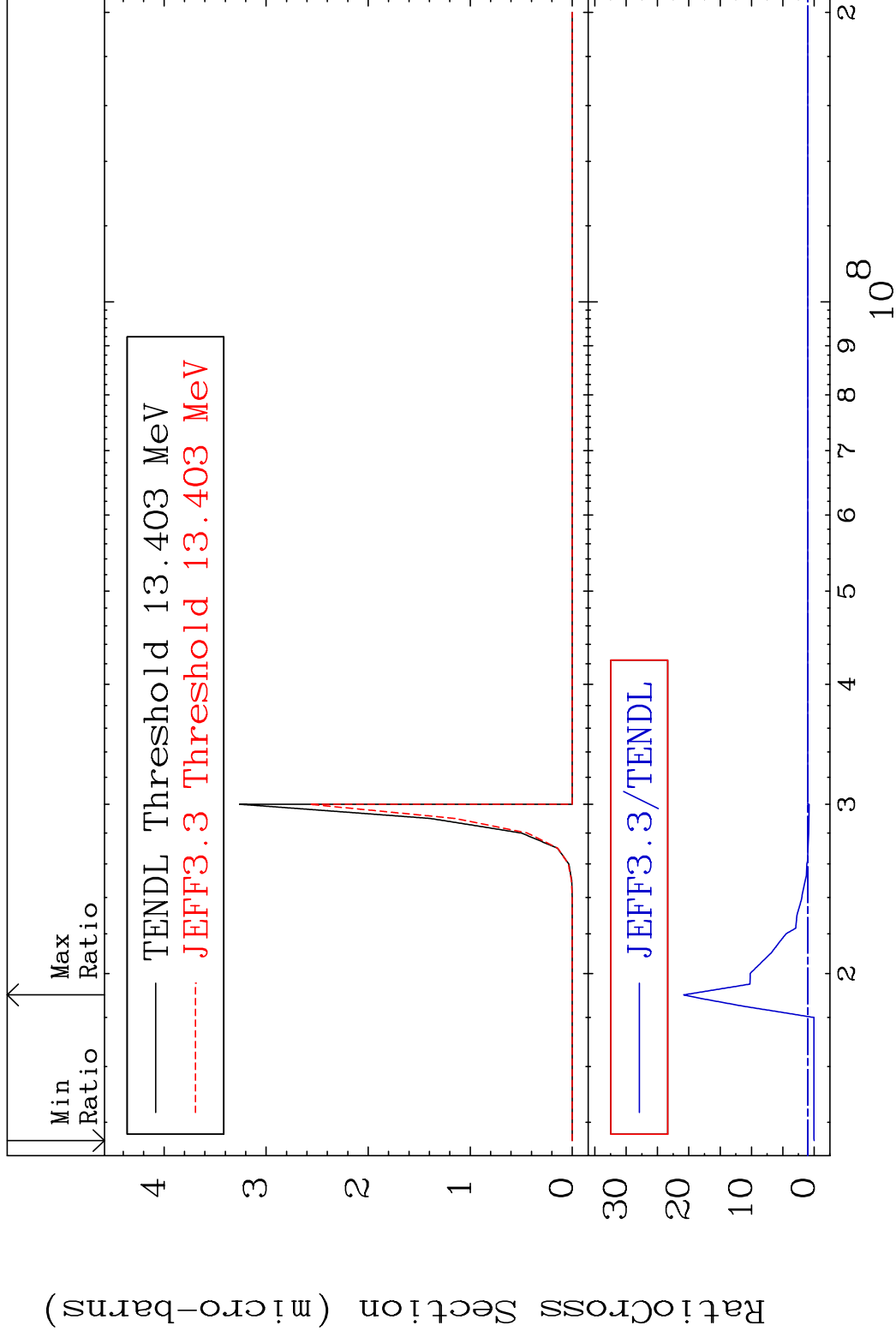


MAT 3234

(n,d) α

32-Ge-73

Cross Section -100.0 To 1983. %



62

Incident Energy (eV)

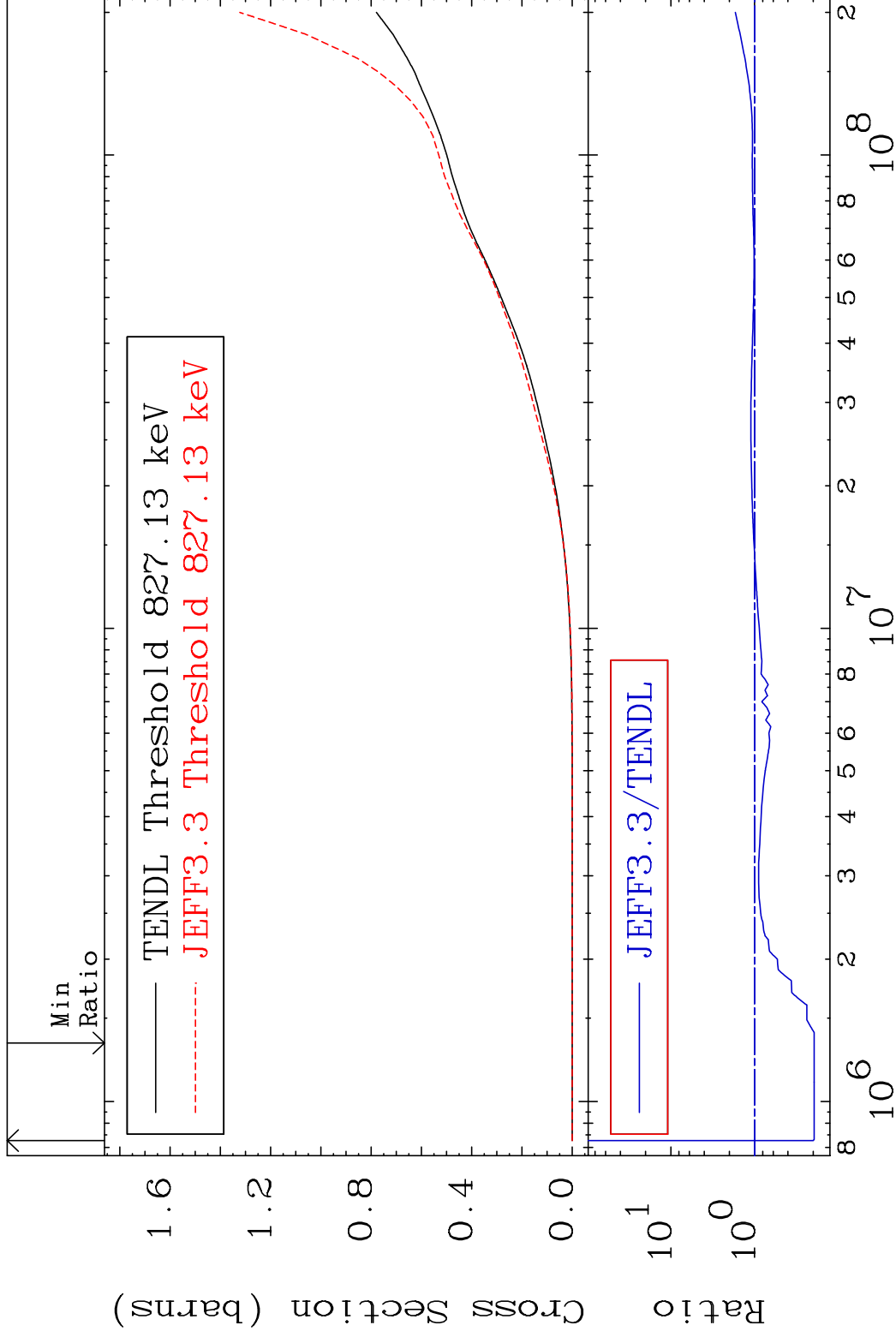
32-Ge-73

MAT 3234

Hydrogen Production

³²Ge-73

Cross Section -80.49 To 602.2 %

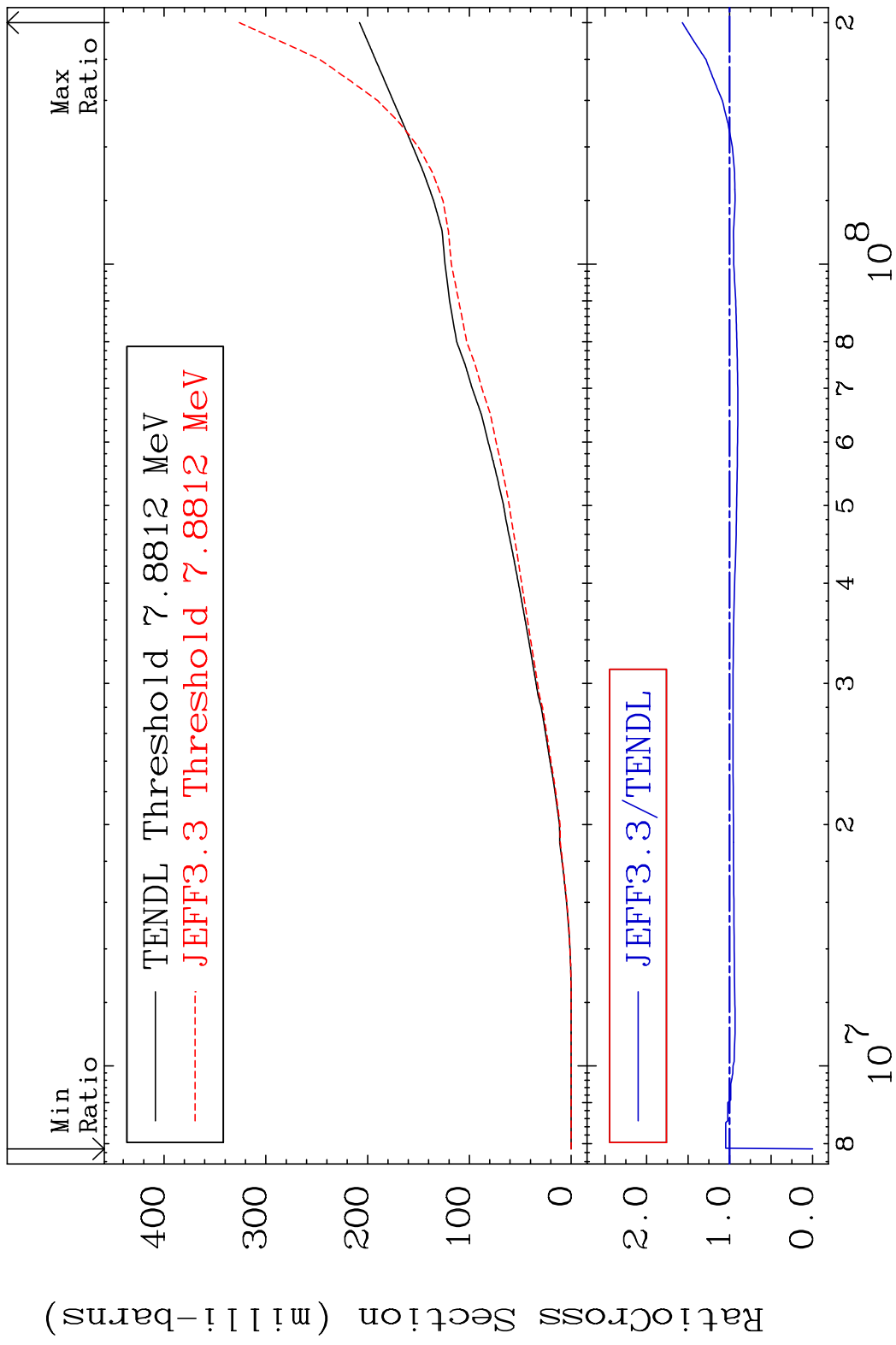


63

Incident Energy (eV)

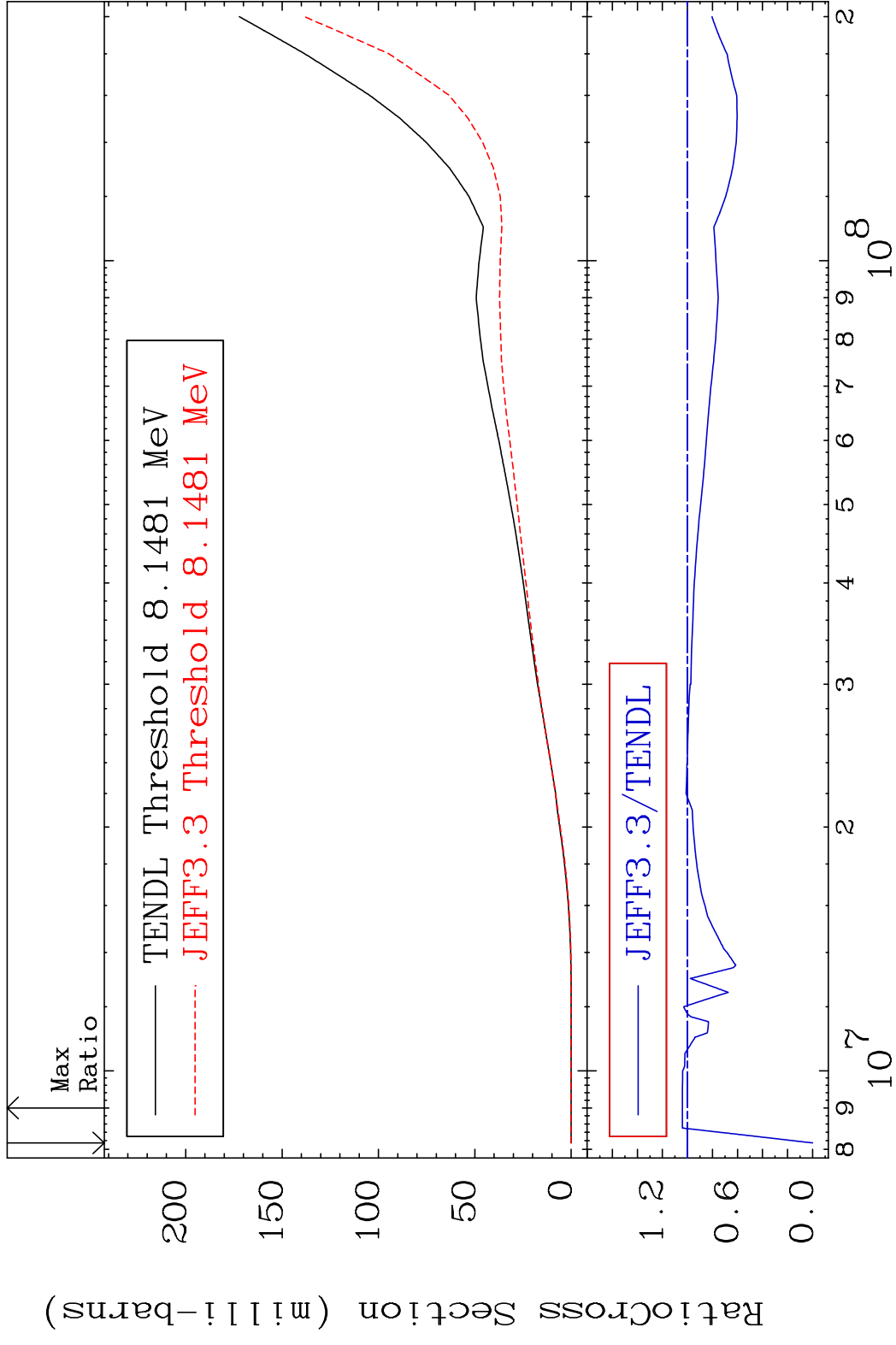
³²Ge-73

MAT 3234 Deuterium Production 32-Ge-73
 Cross Section -100.0 To 56.82 %



64 Incident Energy (eV) 32-Ge-73

MAT 3234 Tritium Production $^{32}\text{Ge-73}$
 Cross Section -100.0 To 4.061 %

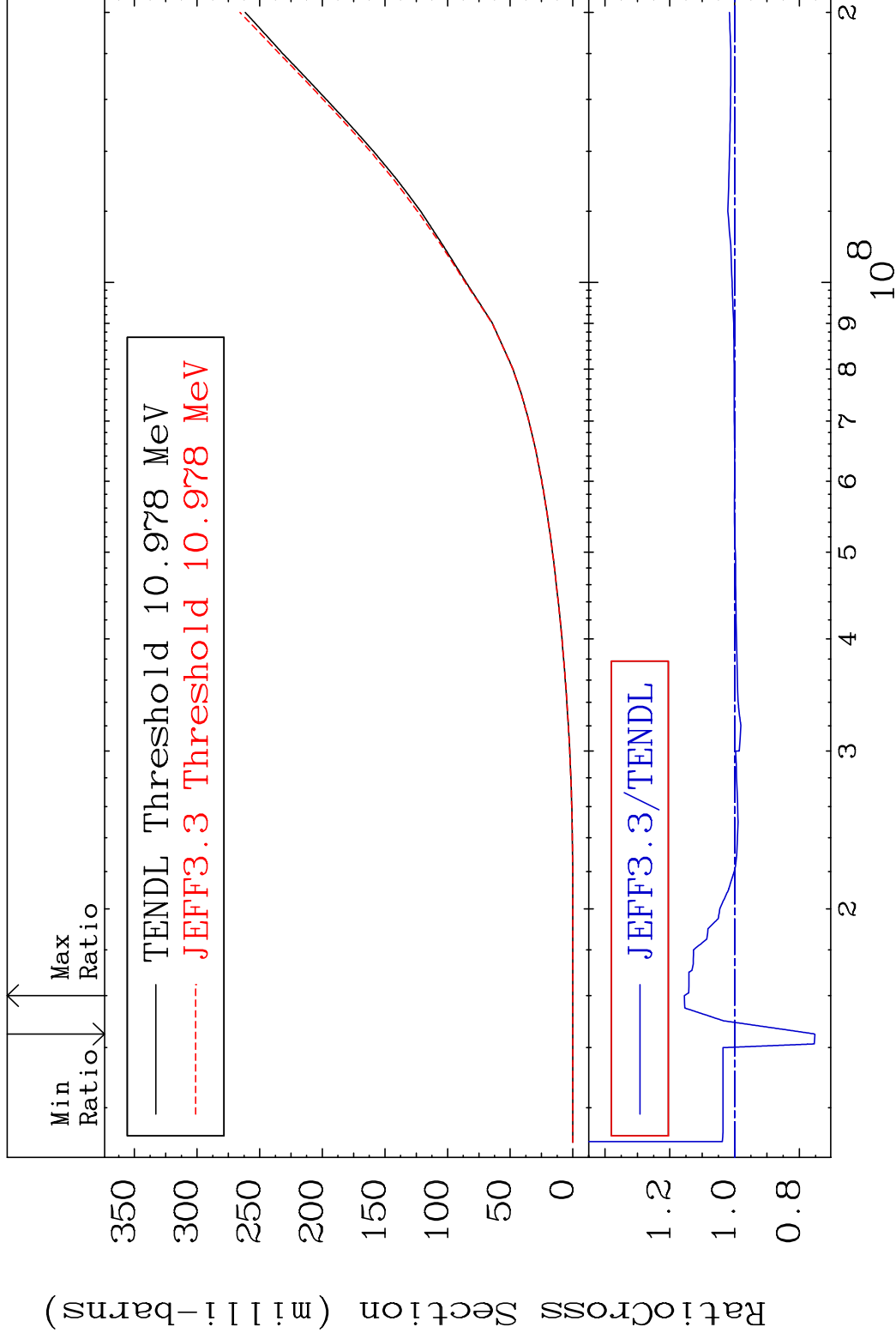


MAT 3234

He-3 Production

32-Ge-73

Cross Section -24.77 To 15.52 %



66

Incident Energy (eV)

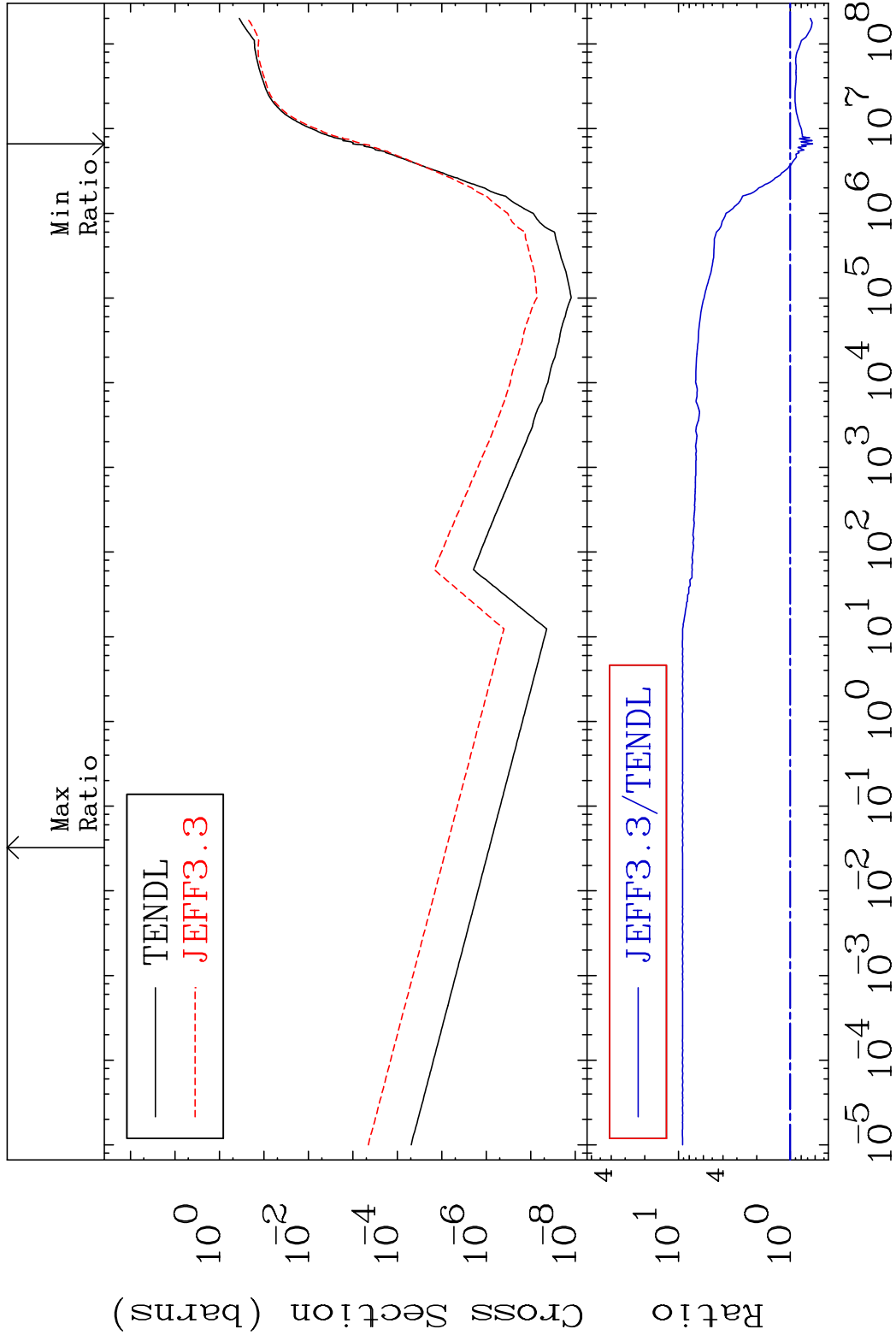
32-Ge-73

MAT 3234

He-4 Production

32-Ge-73

Cross Section -36.69 To 823.4 %

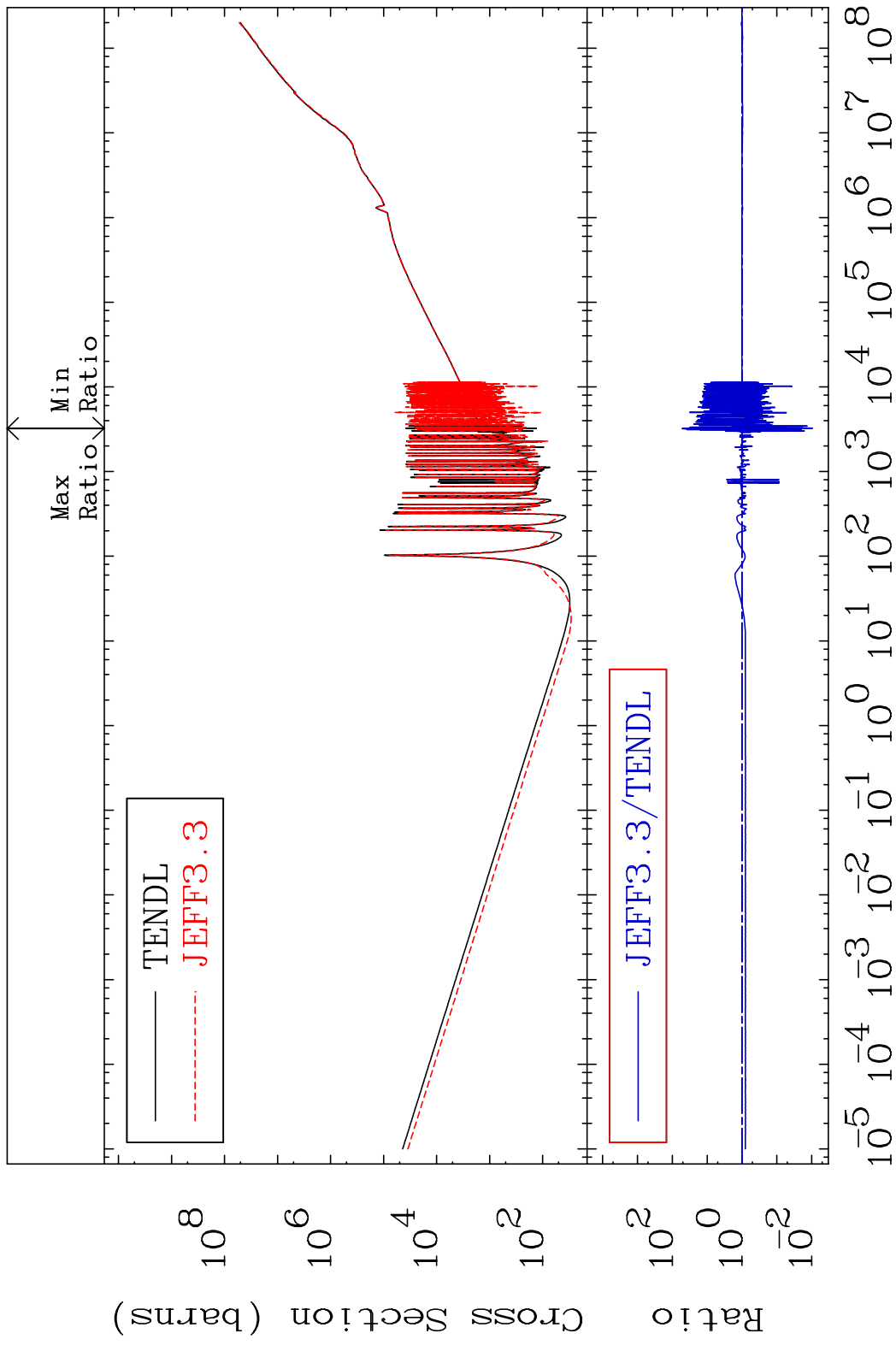


67

Incident Energy (eV)

32-Ge-73

MAT 3234 Kerma total (eV-barns) 32-Ge-73
 Cross Section -99.05 To 5046. %

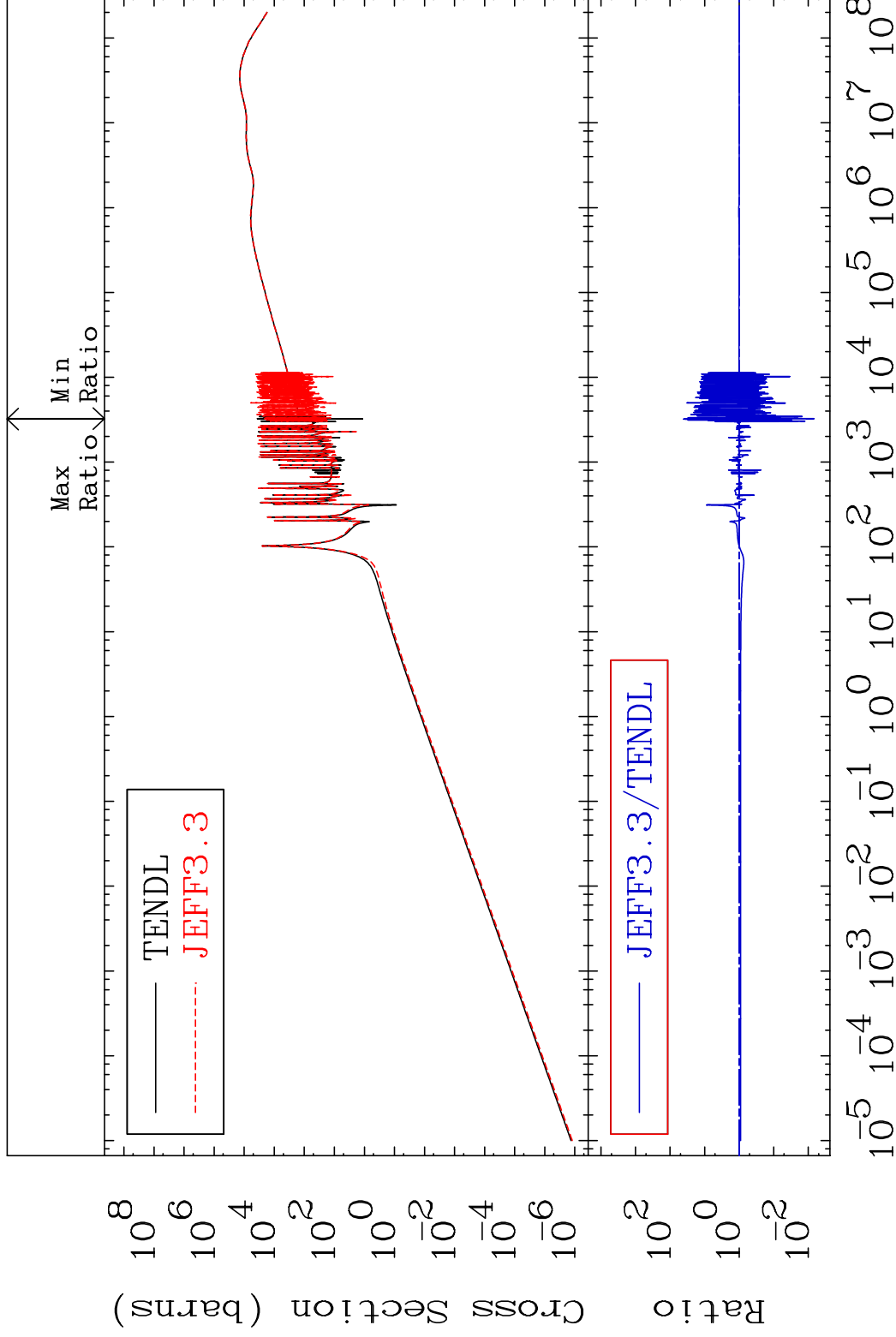


68 Incident Energy (eV) 32-Ge-73

MAT 3234

Kerma elastic
Cross Section -99.32 To 3946. %

32-Ge-73

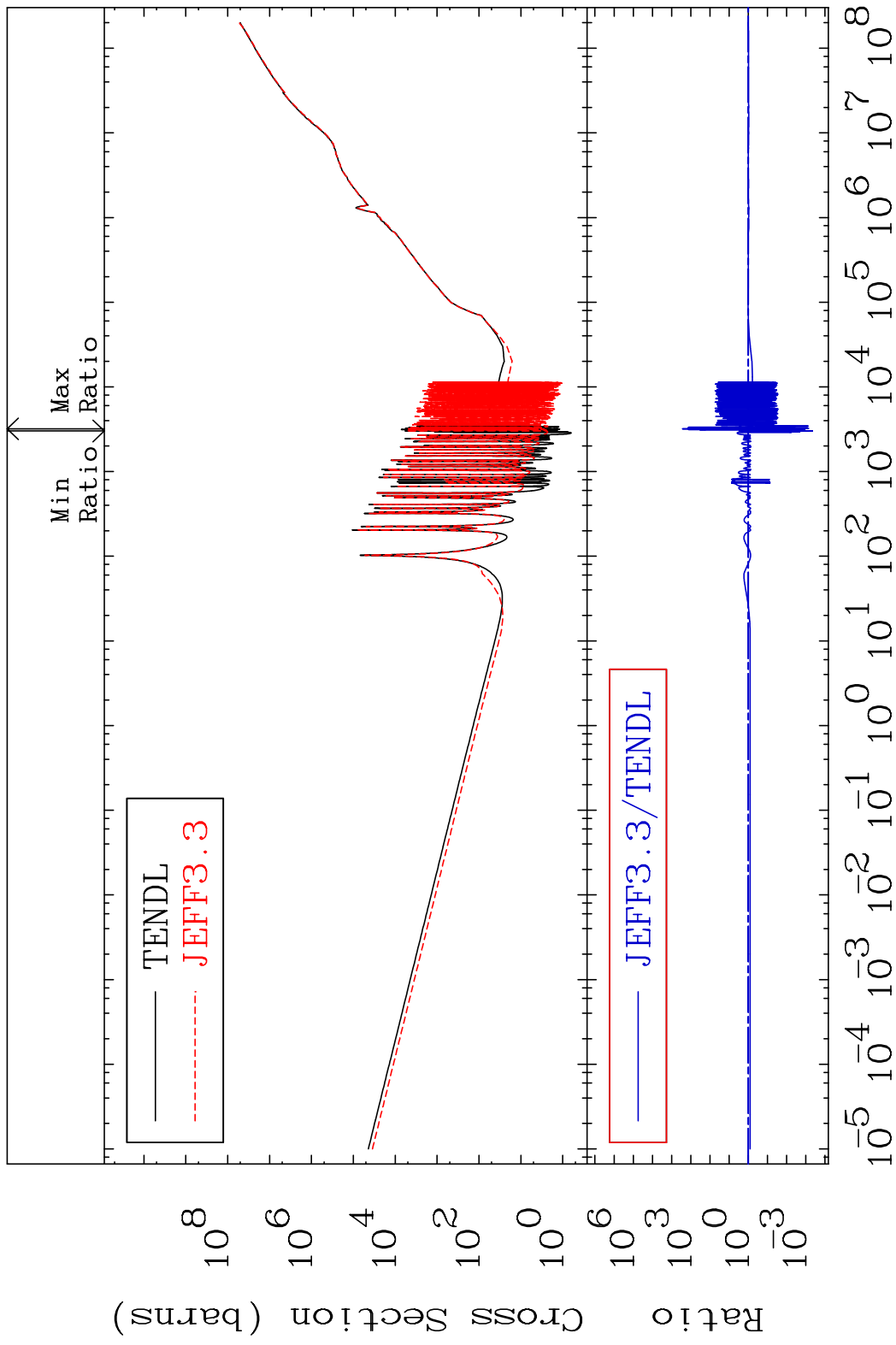


69

Incident Energy (eV)

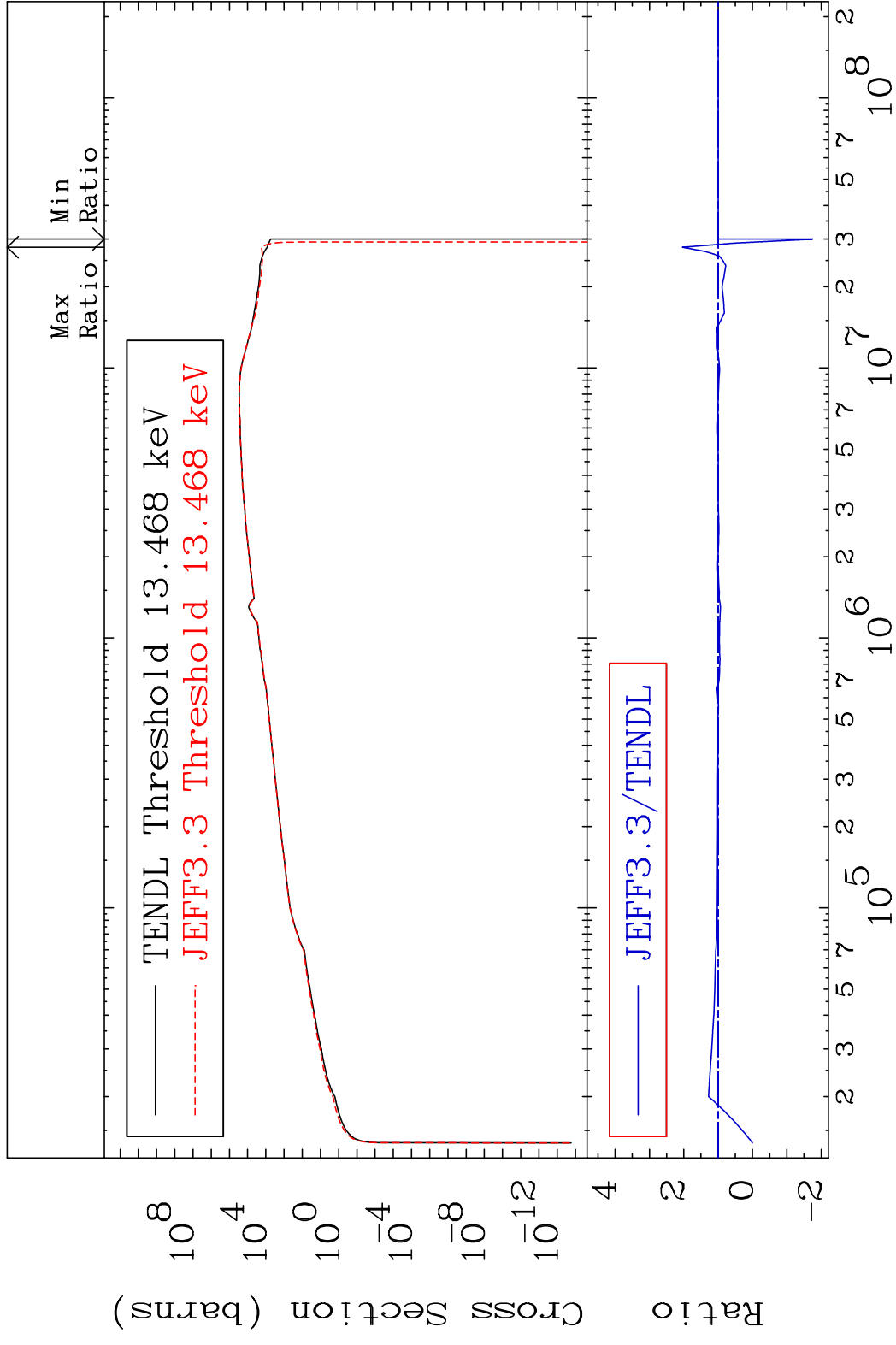
32-Ge-73

MAT 3234 Kerma non-elastic (all but mt2) 32-Ge-73
 Cross Section -99.96 To 9999. %

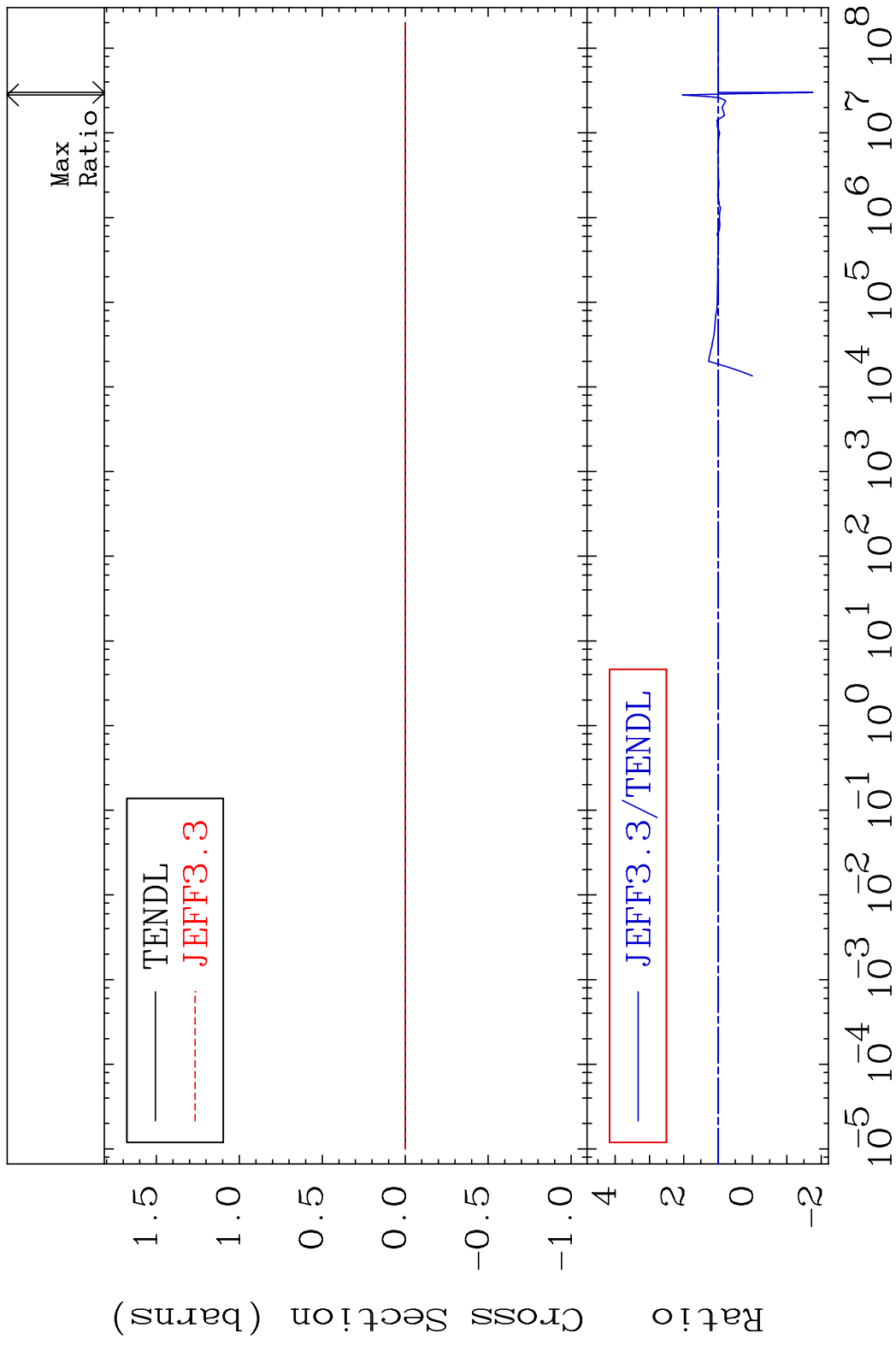


70 Incident Energy (eV) 32-Ge-73

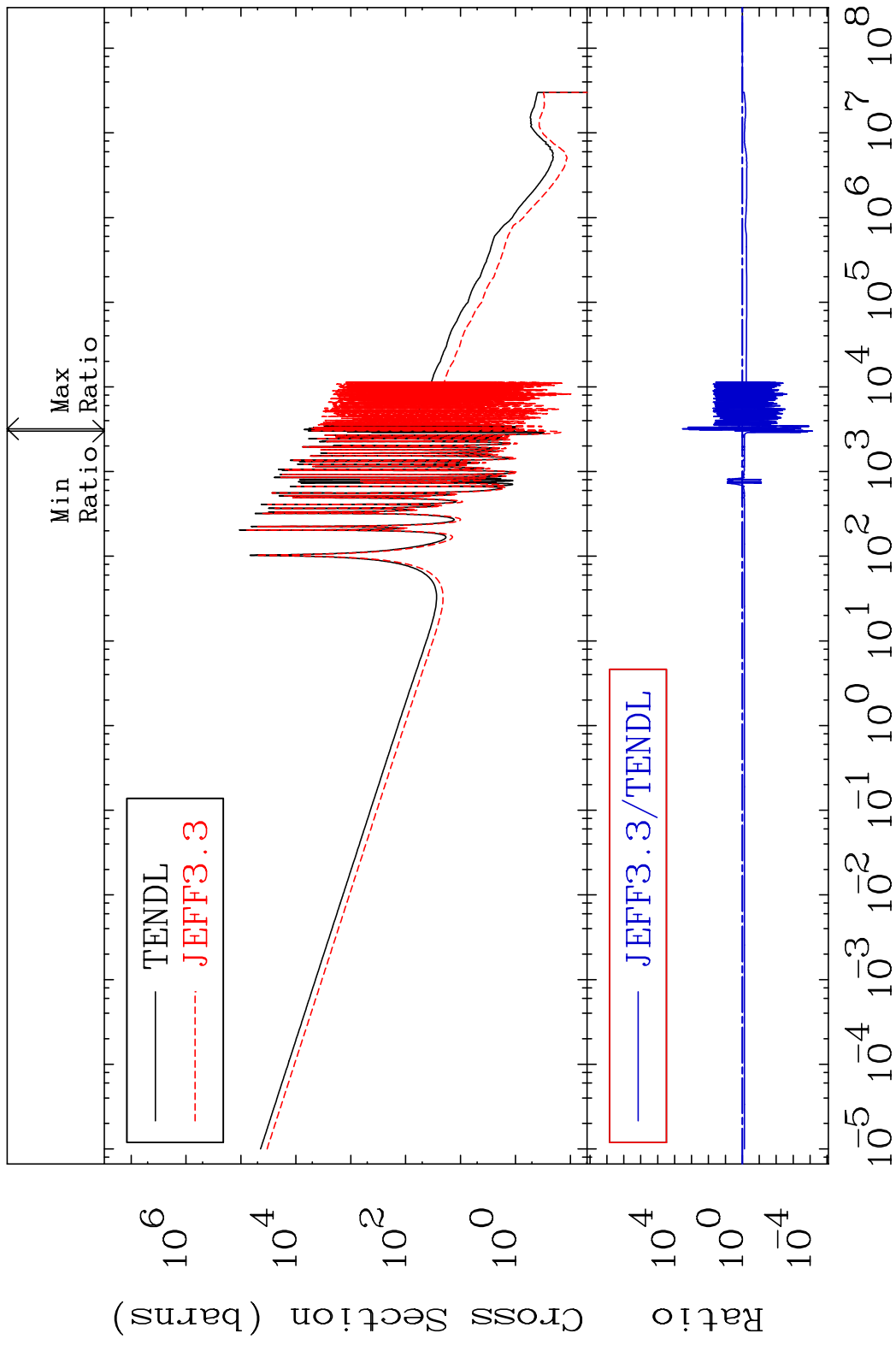
MAT 3234 Kerma inelastic (mt51-91) 32-Ge-73
 Cross Section -274.8 To 104.2 %



MAT 3234 Kerma fission (mt18 or mt19-20-21-38) 32-Ge-73
 Cross Section -274.8 To 104.2 %

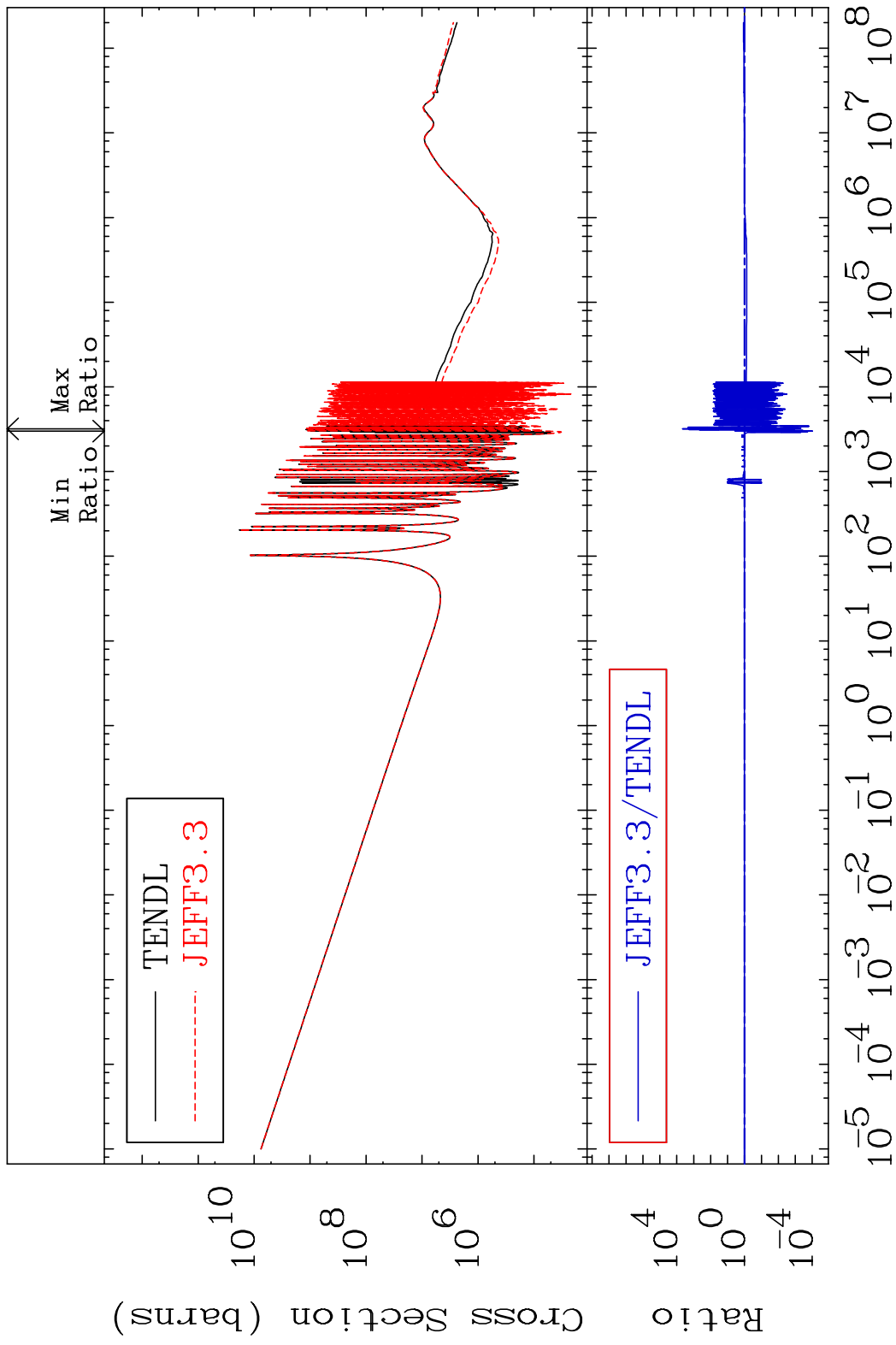


MAT 3234 Kerma capture (mt102) 32-Ge-73
Cross Section -99.99 To 9999. %

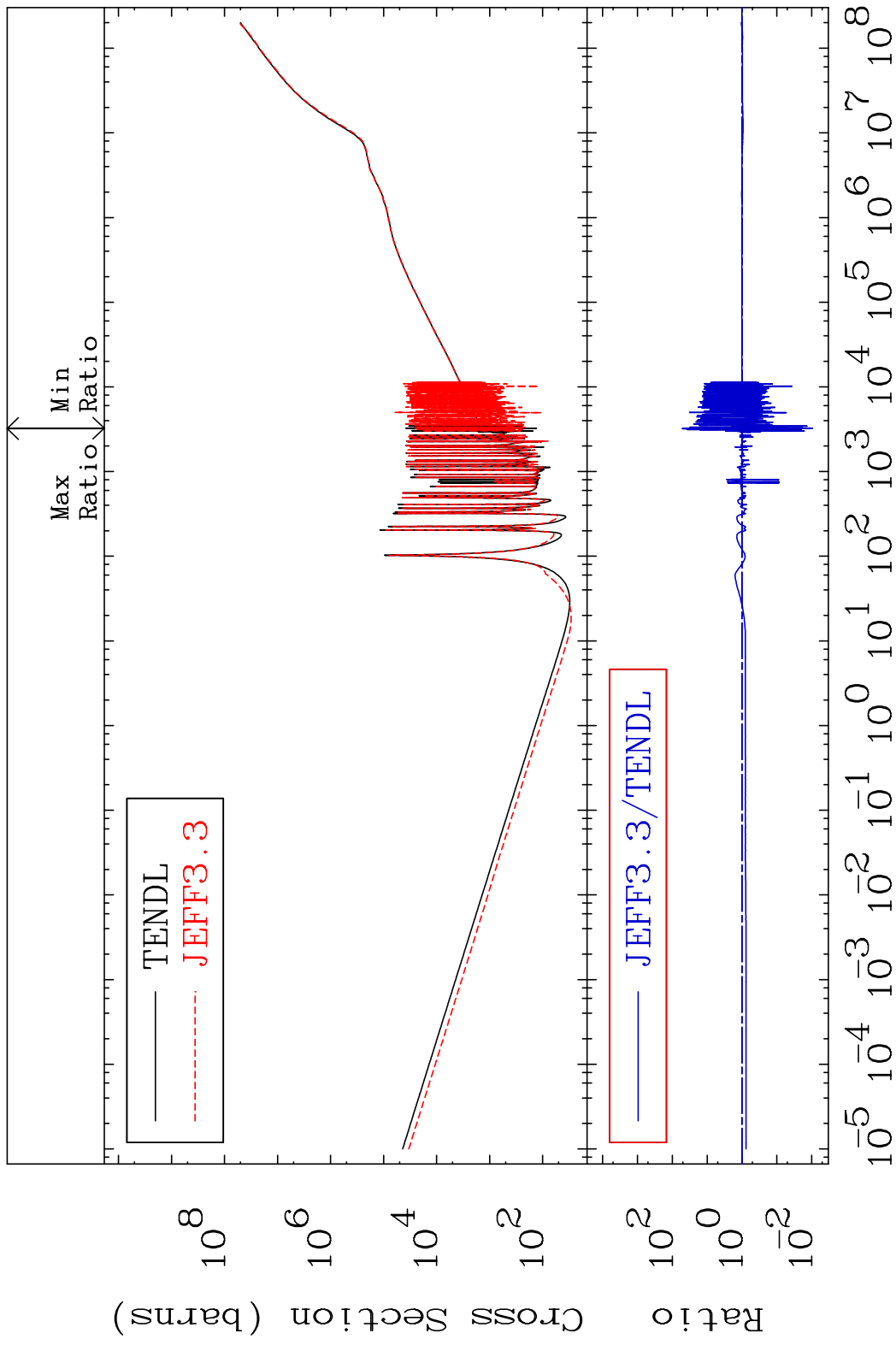


73 Incident Energy (eV) 32-Ge-73

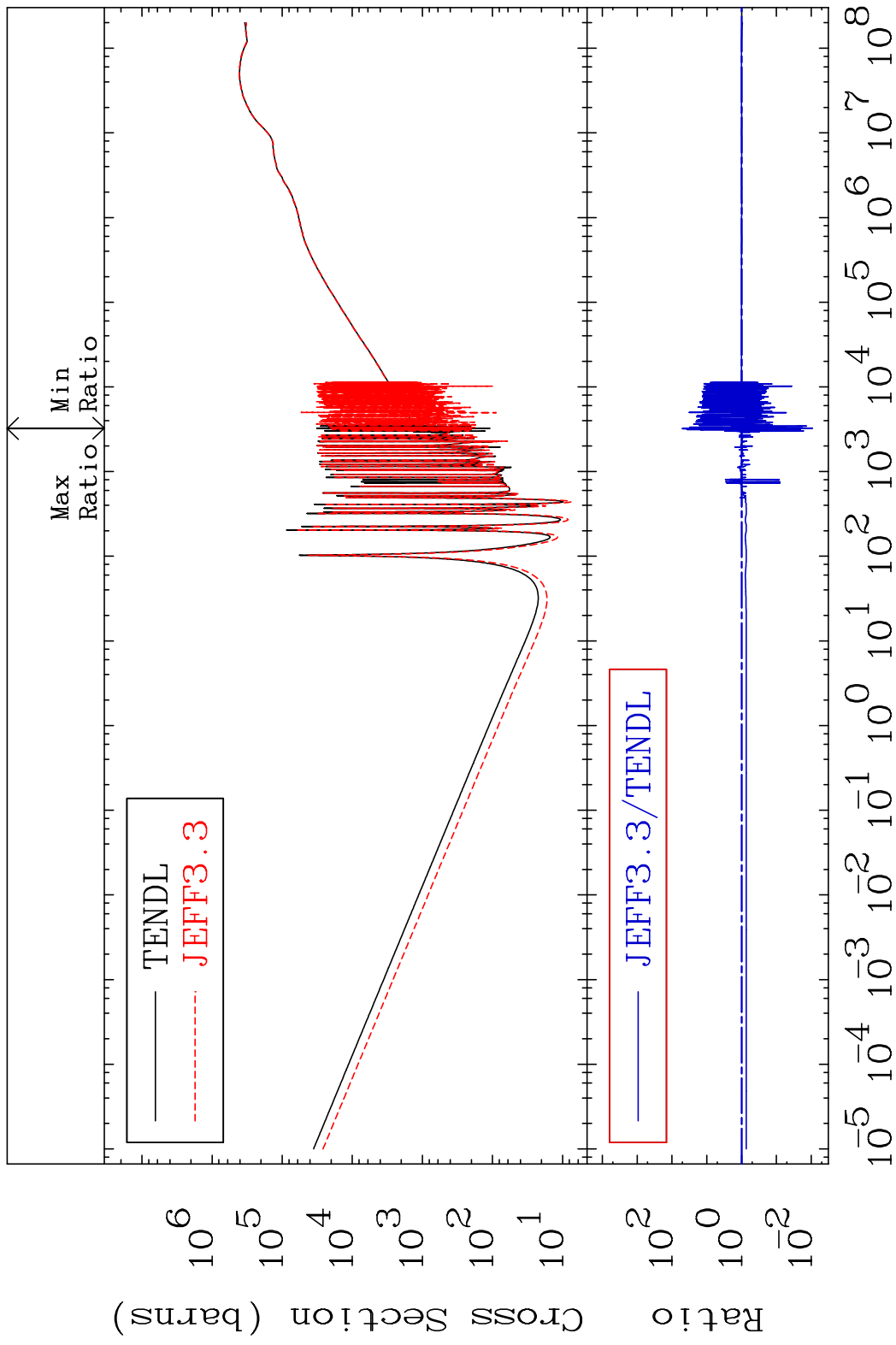
MAT 3234 Total photon (eV-barns) 32-Ge-73
 Cross Section -99.99 To 9999. %



MAT 3234 Total kinematic kerma (high limit) 32-Ge-73
Cross Section -99.05 To 5046. %



MAT 3234 Dpa total (eV-barns) 32-Ge-73
 Cross Section -99.08 To 4927. %



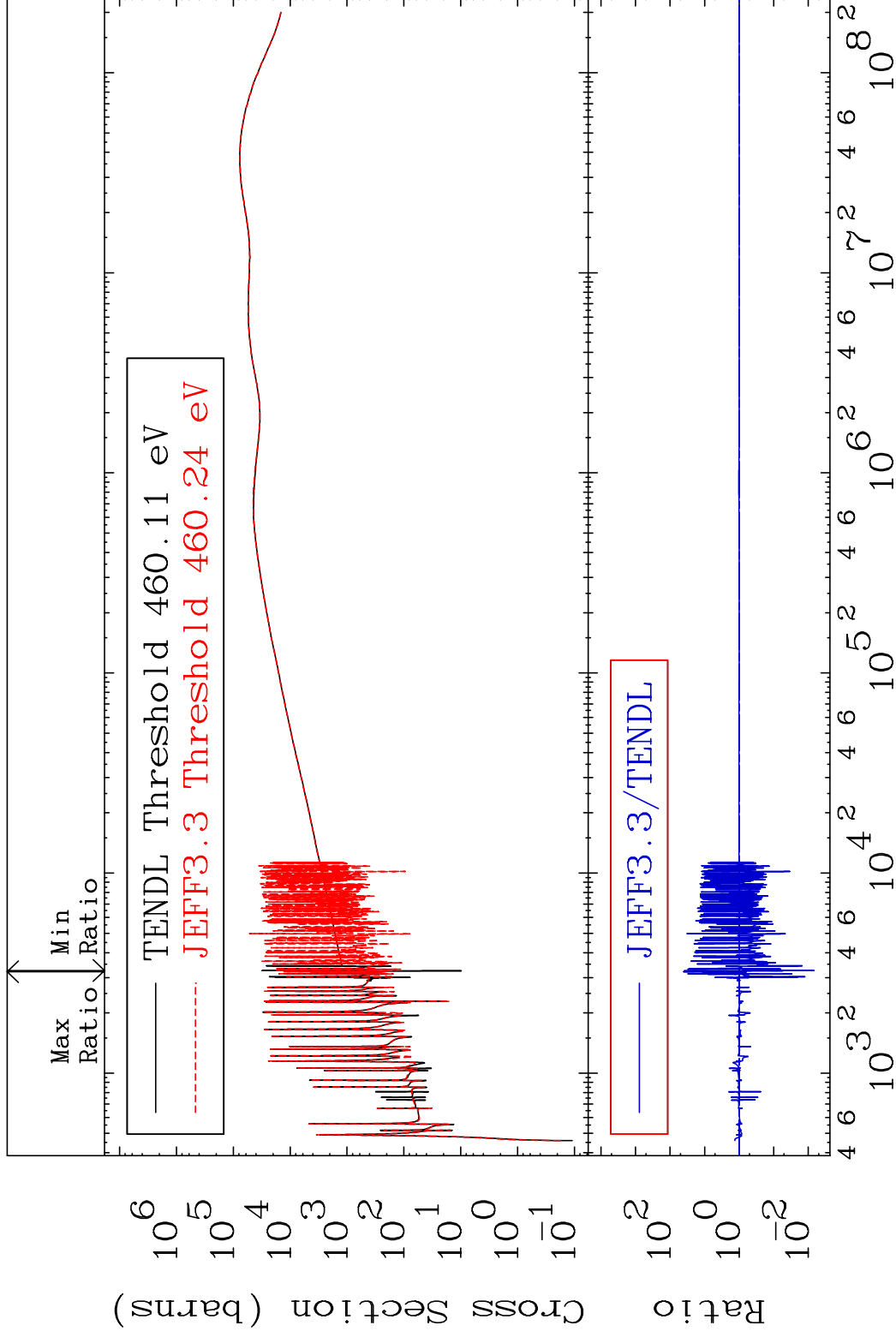
76 Incident Energy (eV) 32-Ge-73

MAT 3234

Dpa elastic (mt2)

32-Ge-73

Cross Section -99.32 To 3946. %

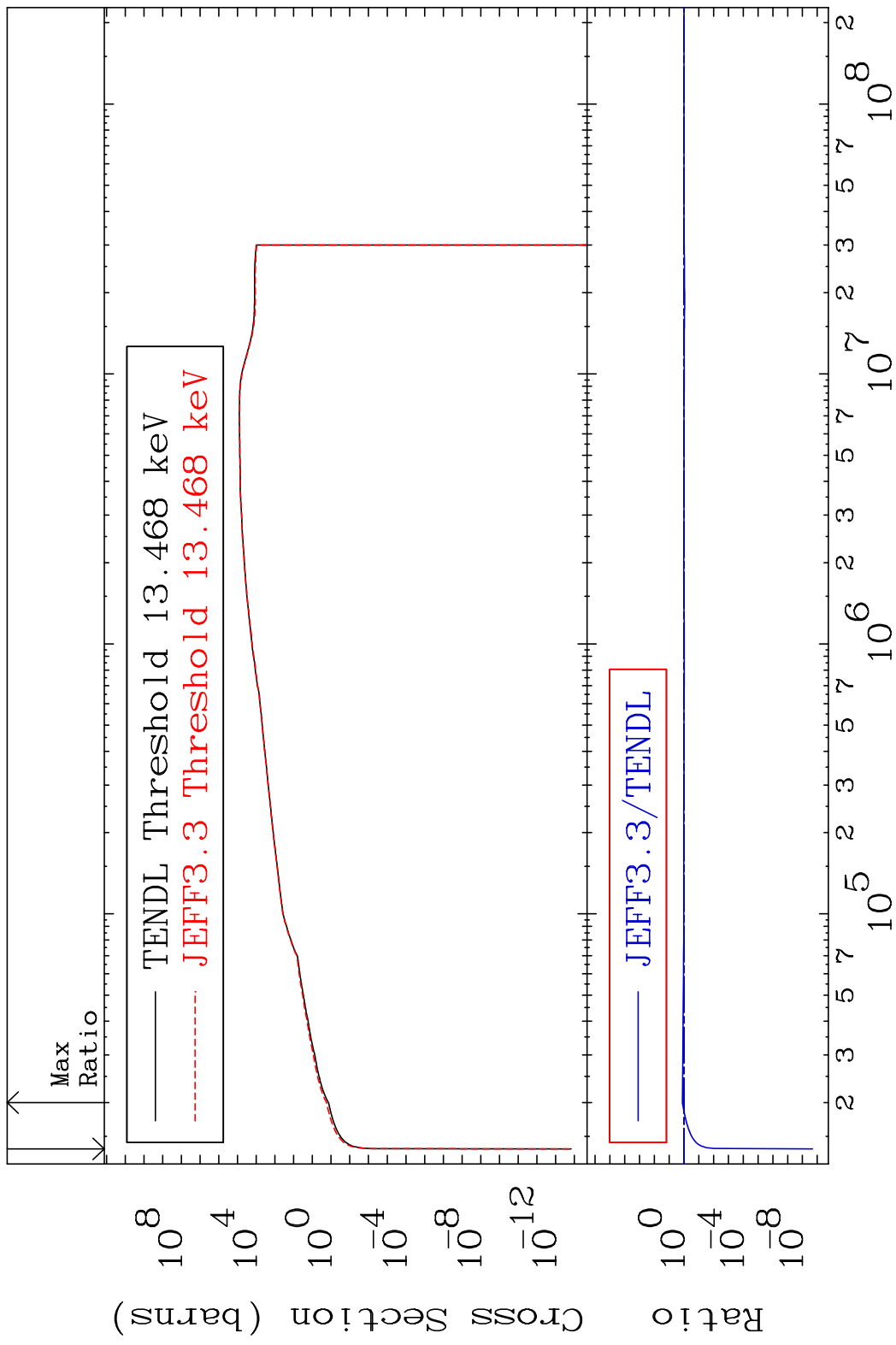


77

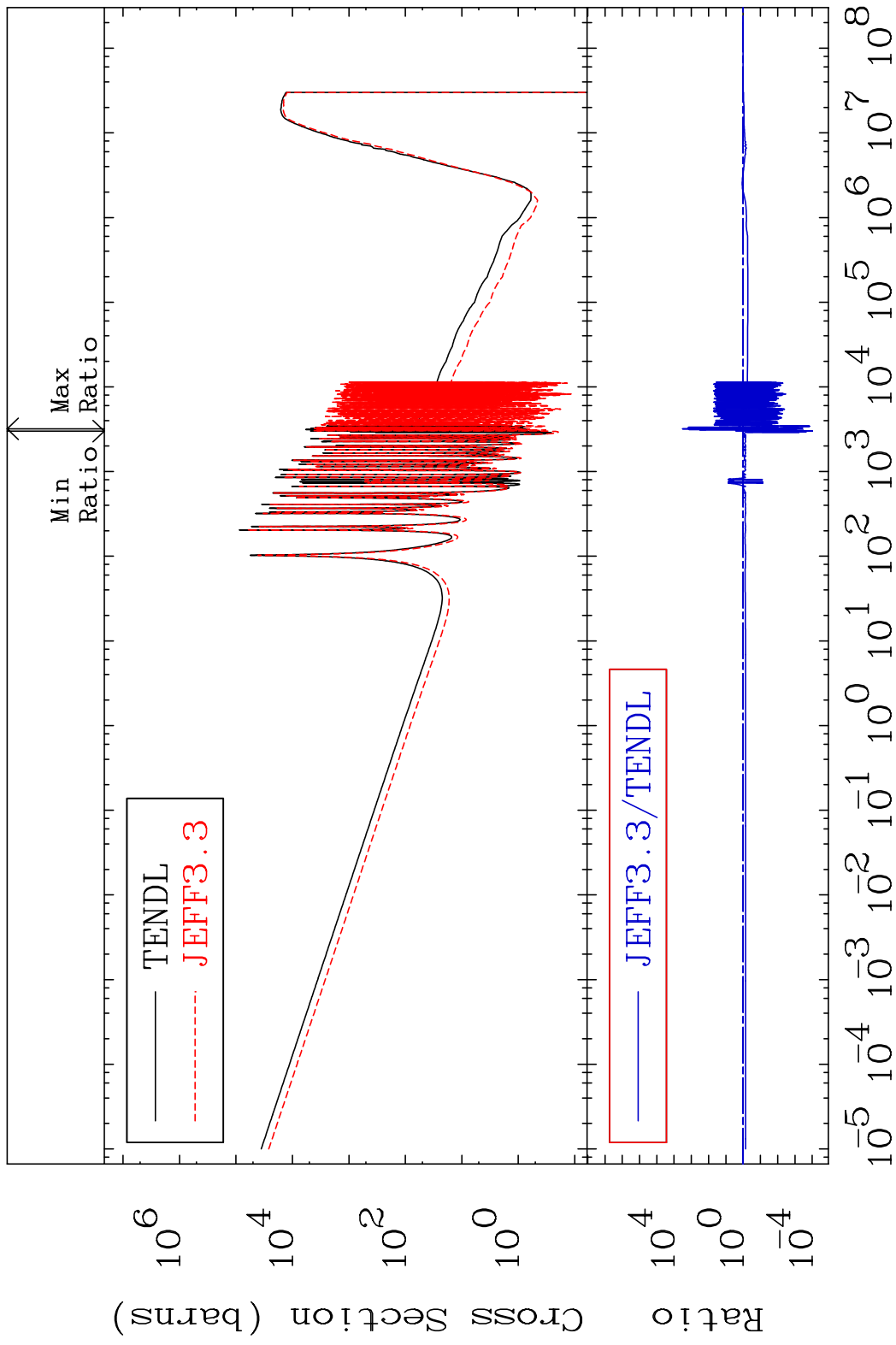
Incident Energy (eV)

32-Ge-73

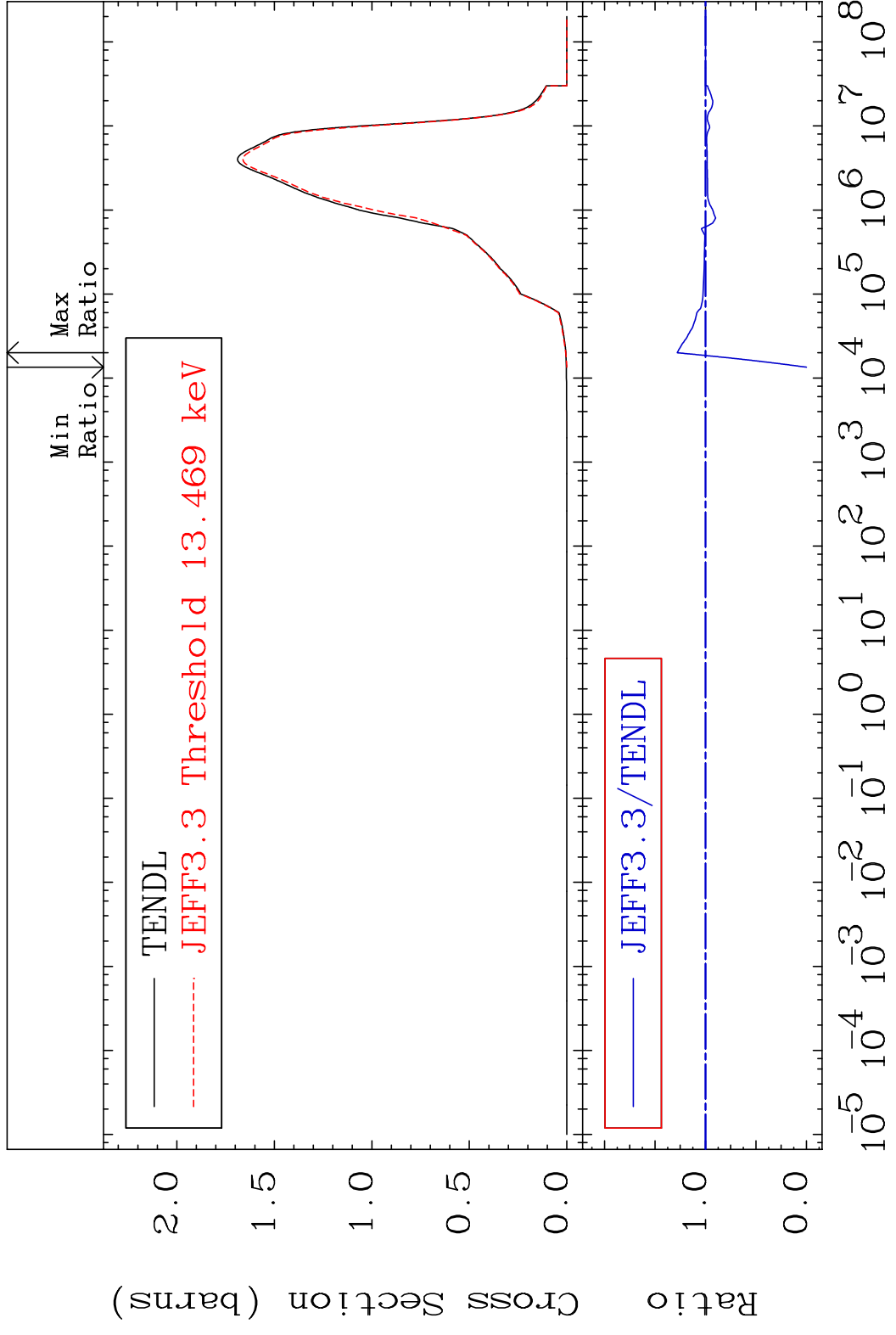
MAT 3234 Dpa inelastic (mt51-91) ³²Ge-73
 Cross Section -100.0 To 28.03 %



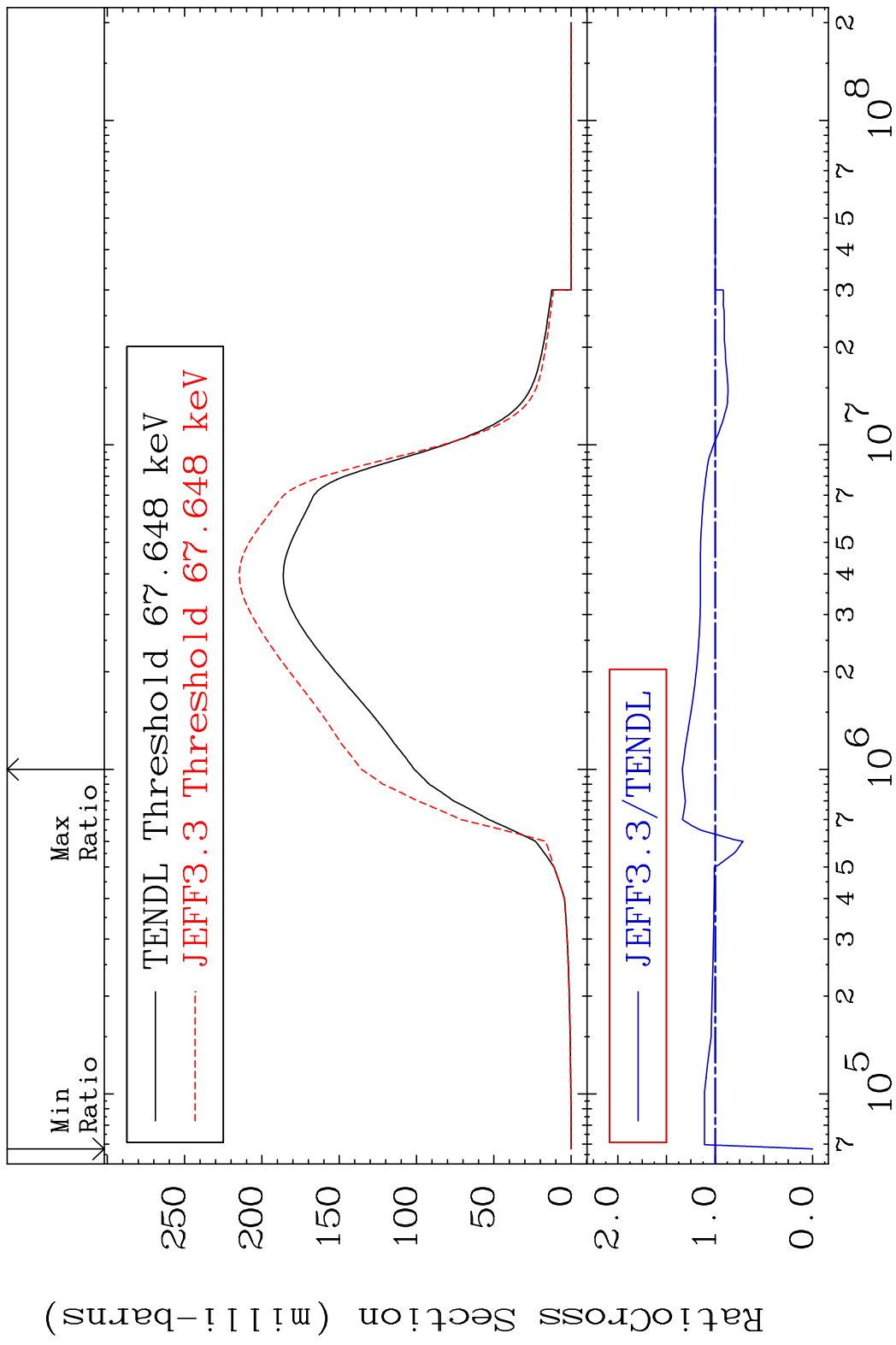
MAT 3234 Dpa disappearance (mt102 -120) 32-Ge-73
 Cross Section -99.99 To 9999. %



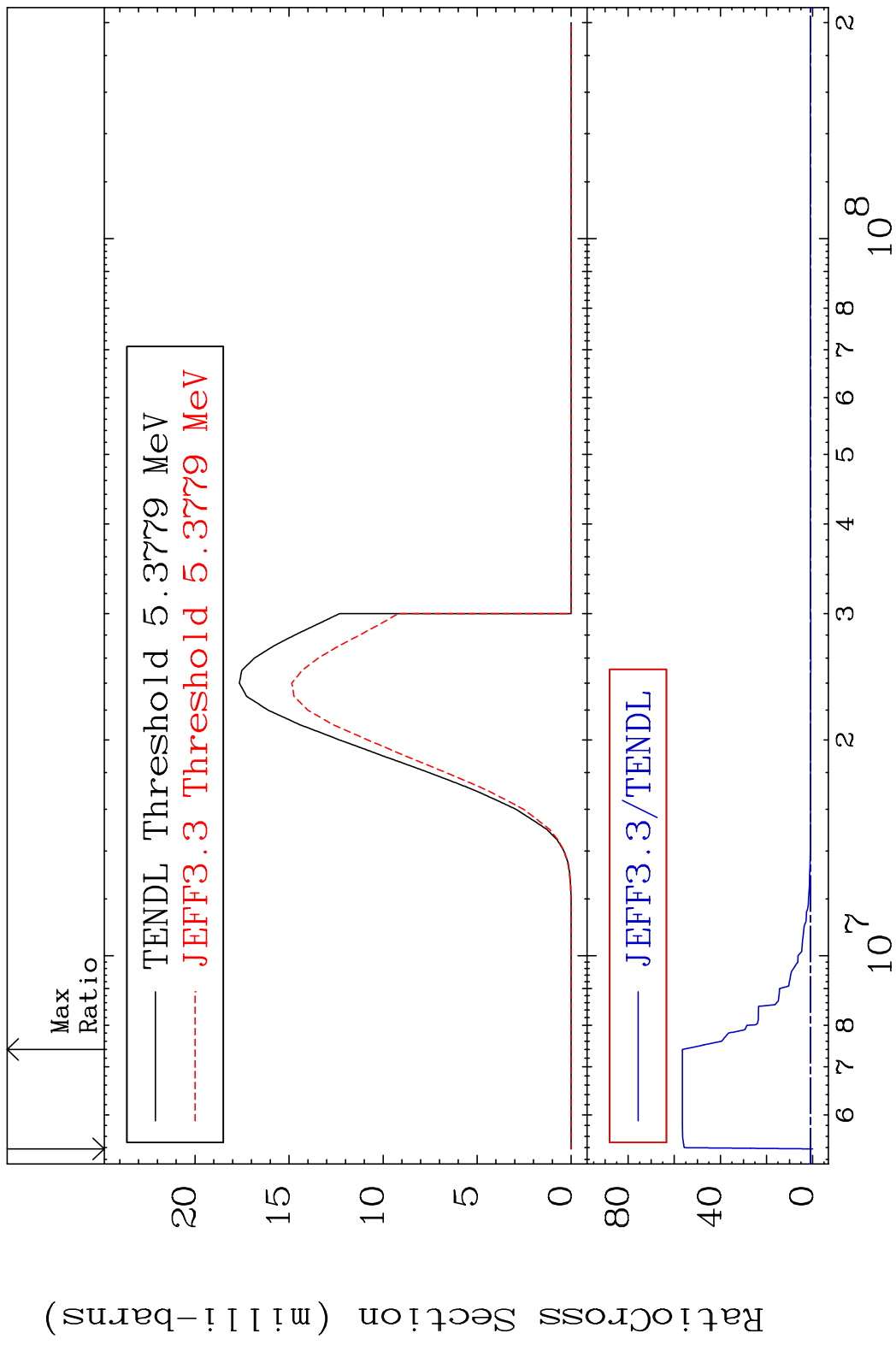
MAT 3234 Inelastic:32-Ge-73g 32-Ge-73
 Radionuclide Production Cross Section Ratio 28.03 %



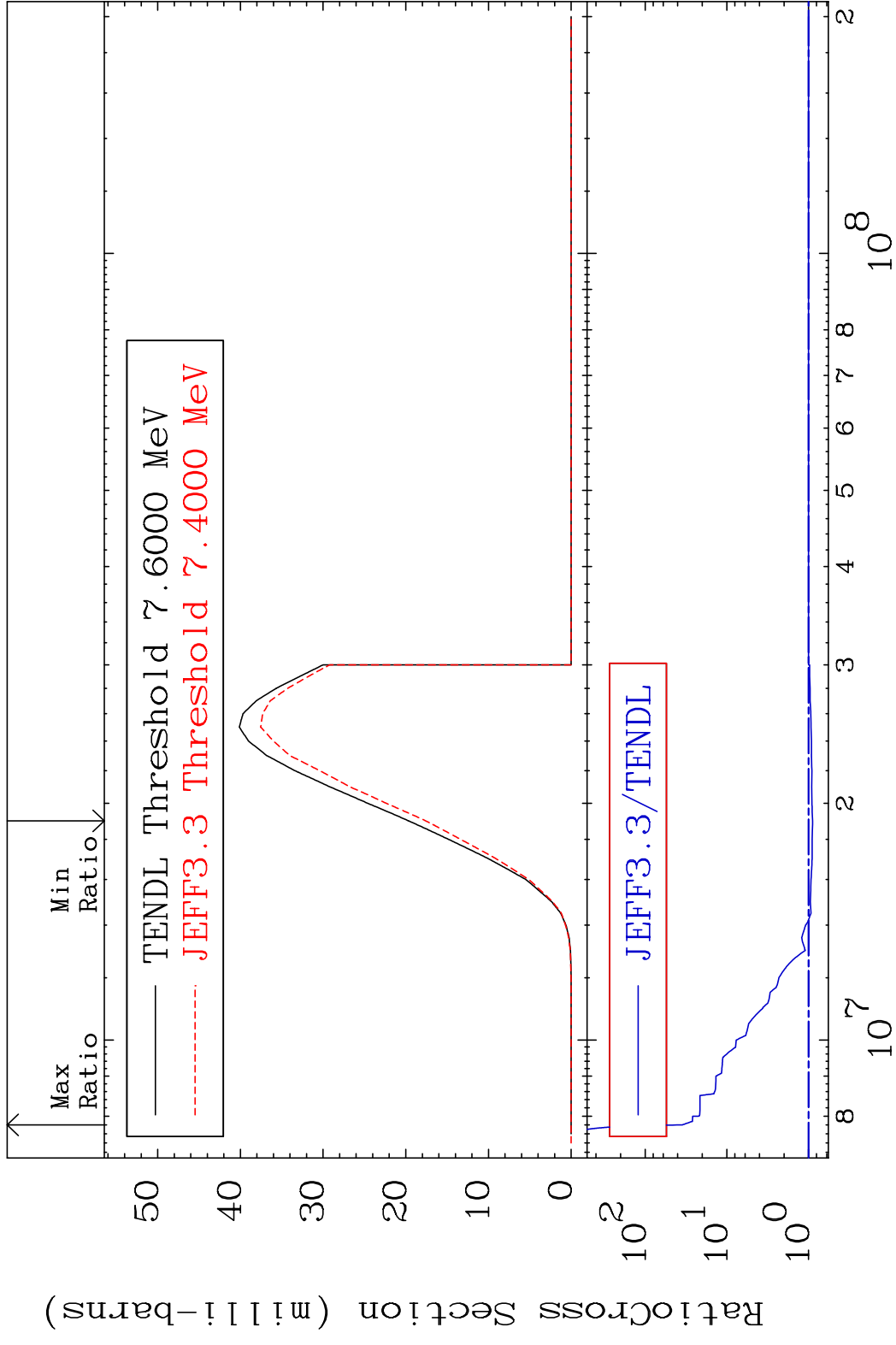
80 Incident Energy (eV) 32-Ge-73



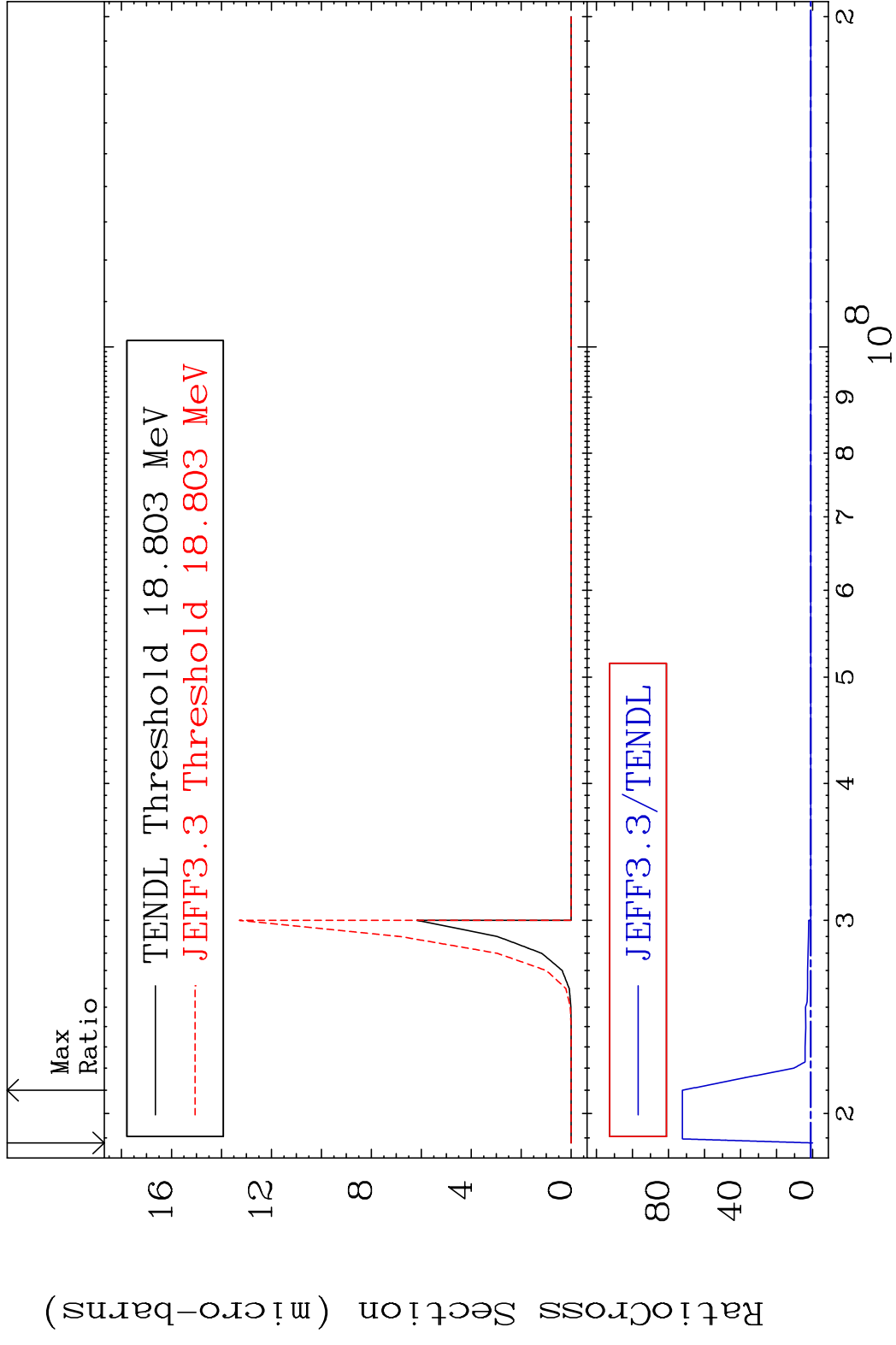
MAT 3234 (n, n') α :30-Zn-69g 32-Ge-73
 Radionuclide Production Cross Section 1800 d to 5550 . %



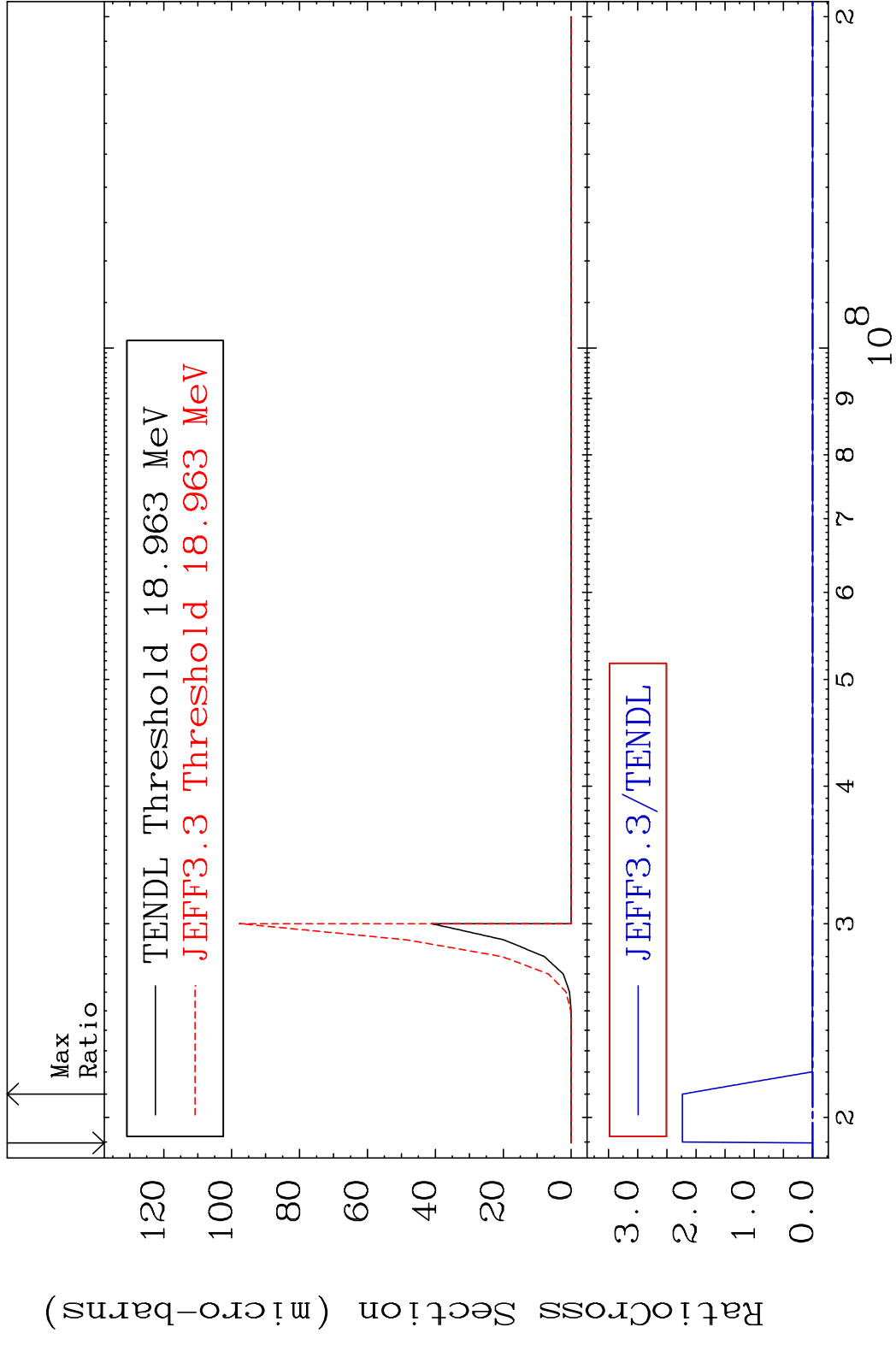
MAT 3234 (n, n') α :30-Zn-69m1 32-Ge-73
 Radionuclide Production Cross Section Ratio 3409. %



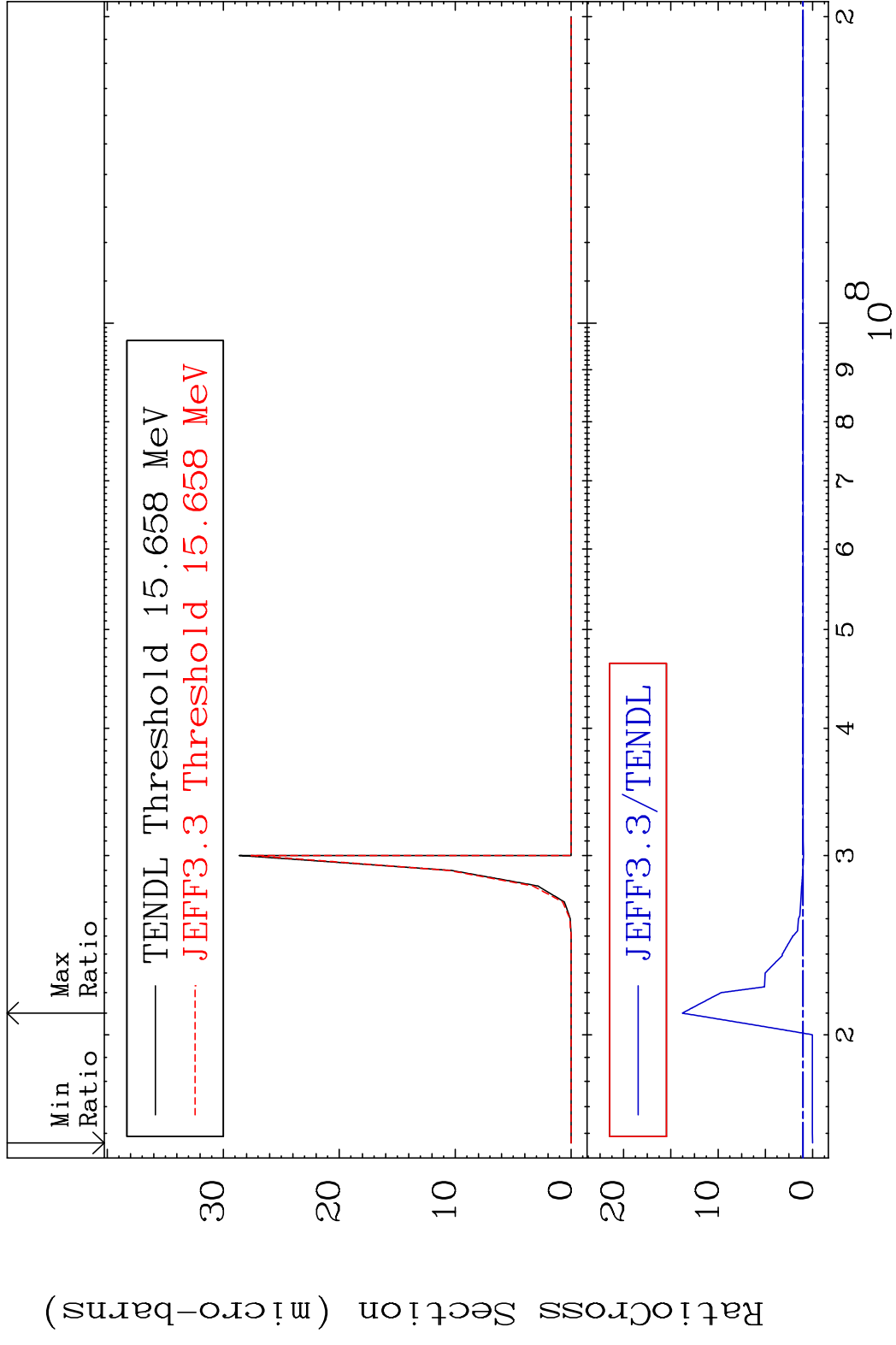
MAT 3234 (n,2n) p:30-Zn-71g 32-Ge-73
 Radionuclide Production Cross Section 18.803 MeV 7132. %



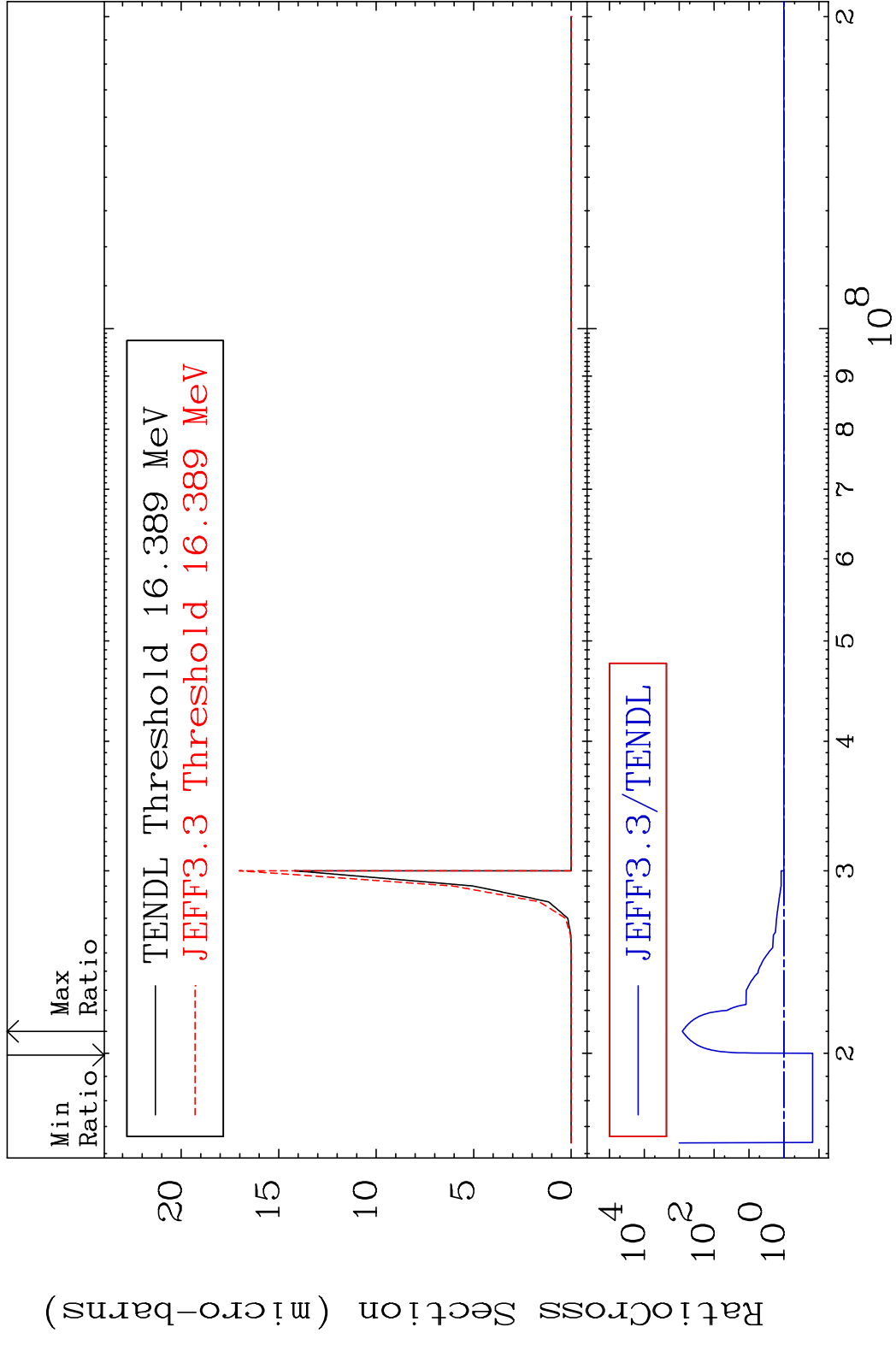
MAT 3234 (n,2n) p:30-Zn-71m1 32-Ge-73
 Radionuclide Production Cross Section Ratio 9999. %

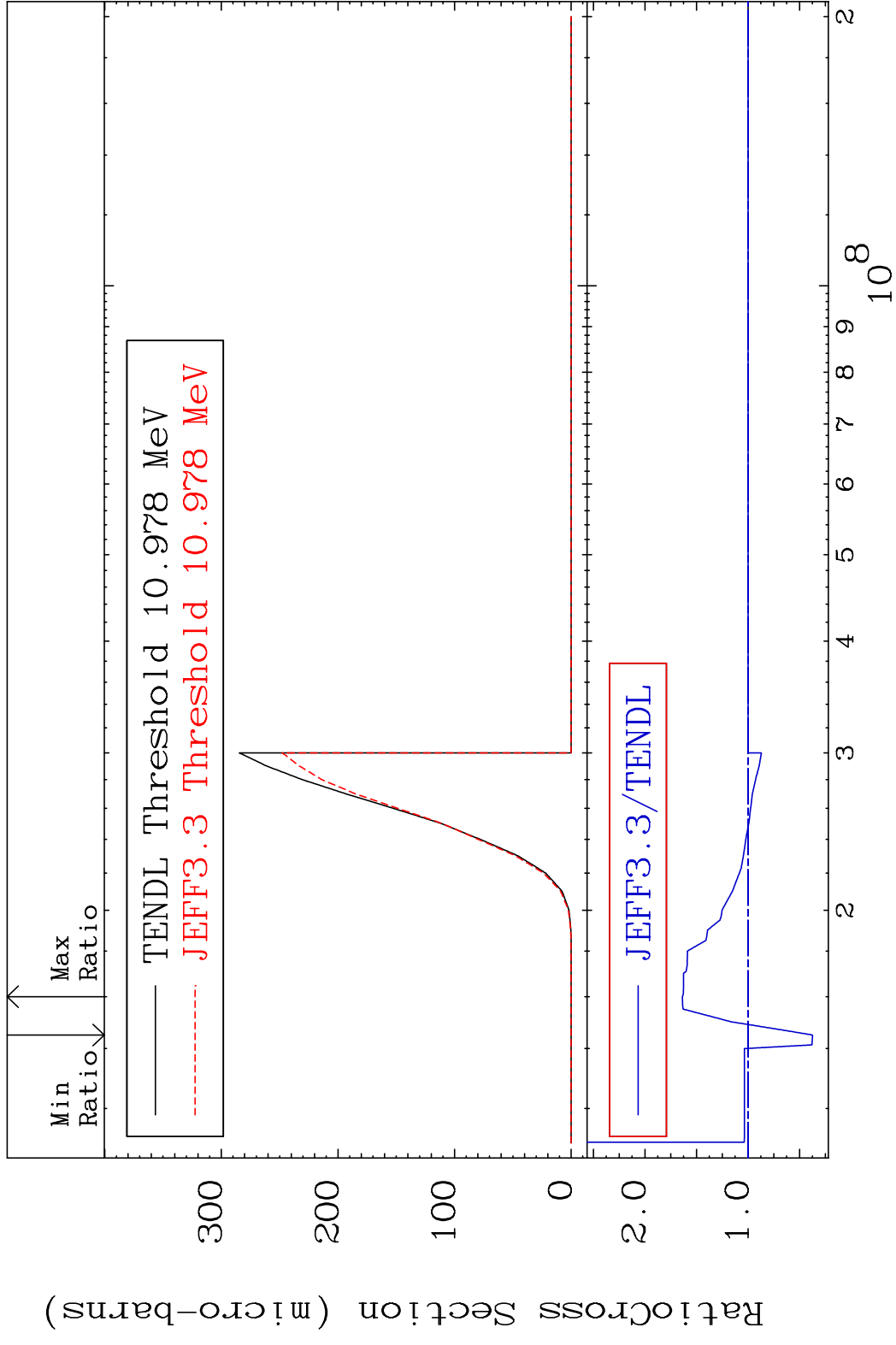


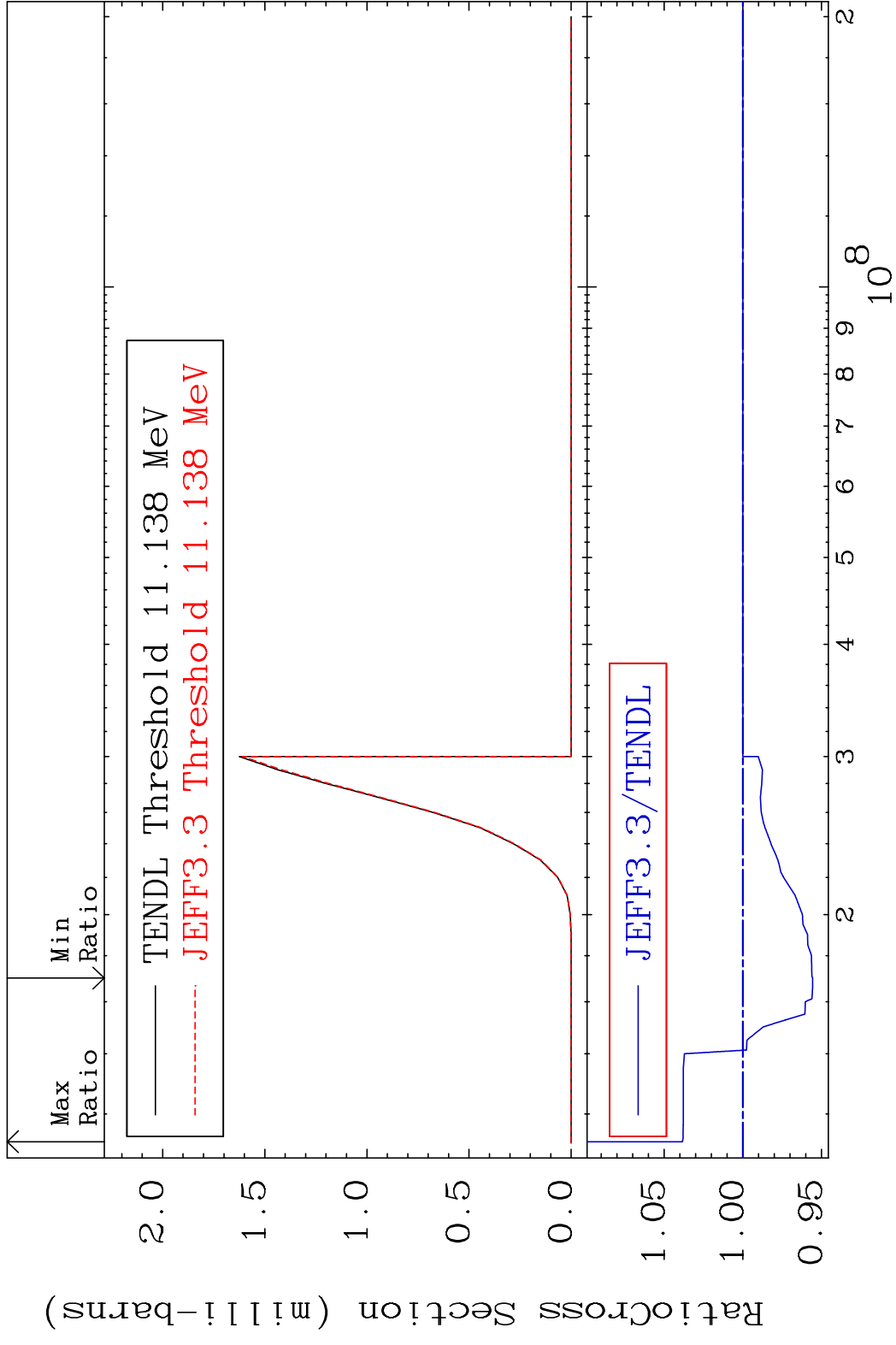
MAT 3234 (n, n') p α :29-Cu-68g 32-Ge-73
 Radionuclide Production Cross Section Ratio 1278. %



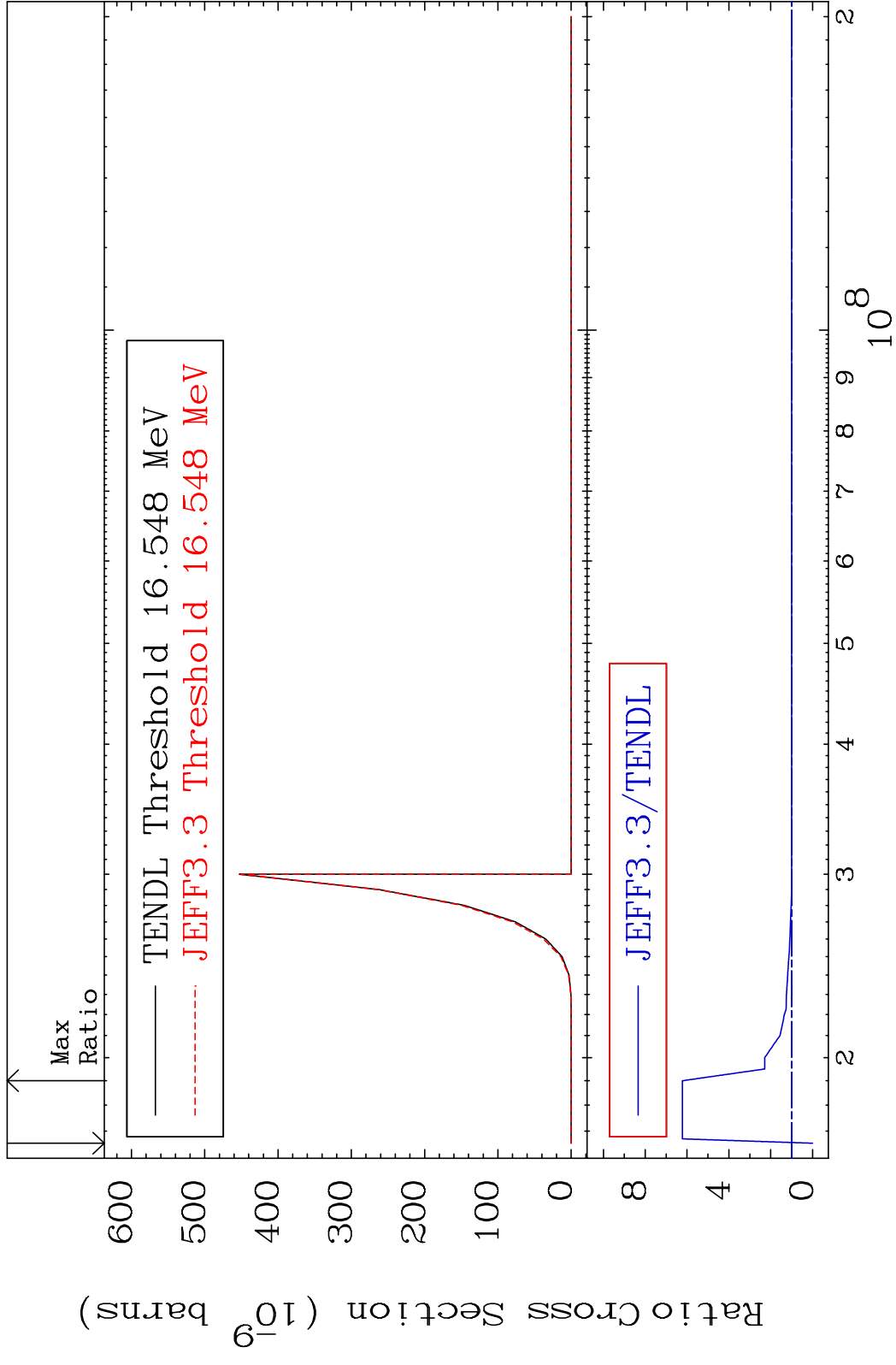
MAT 3234 (n, n') p α :29-Cu-68m3 32-Ge-73
 Radionuclide Production Cross Section to 9999. %







MAT 3234 (n, p) d:30-Zn-71g 32-Ge-73
 Radionuclide Production Cross Section 1800.0 dno 522.5 %



MAT 3234 (n,p) d:30-Zn-71m1 32-Ge-73
 Radionuclide Production Cross Section 1006. %

