

Program Complot
(Version 2021-1)

by

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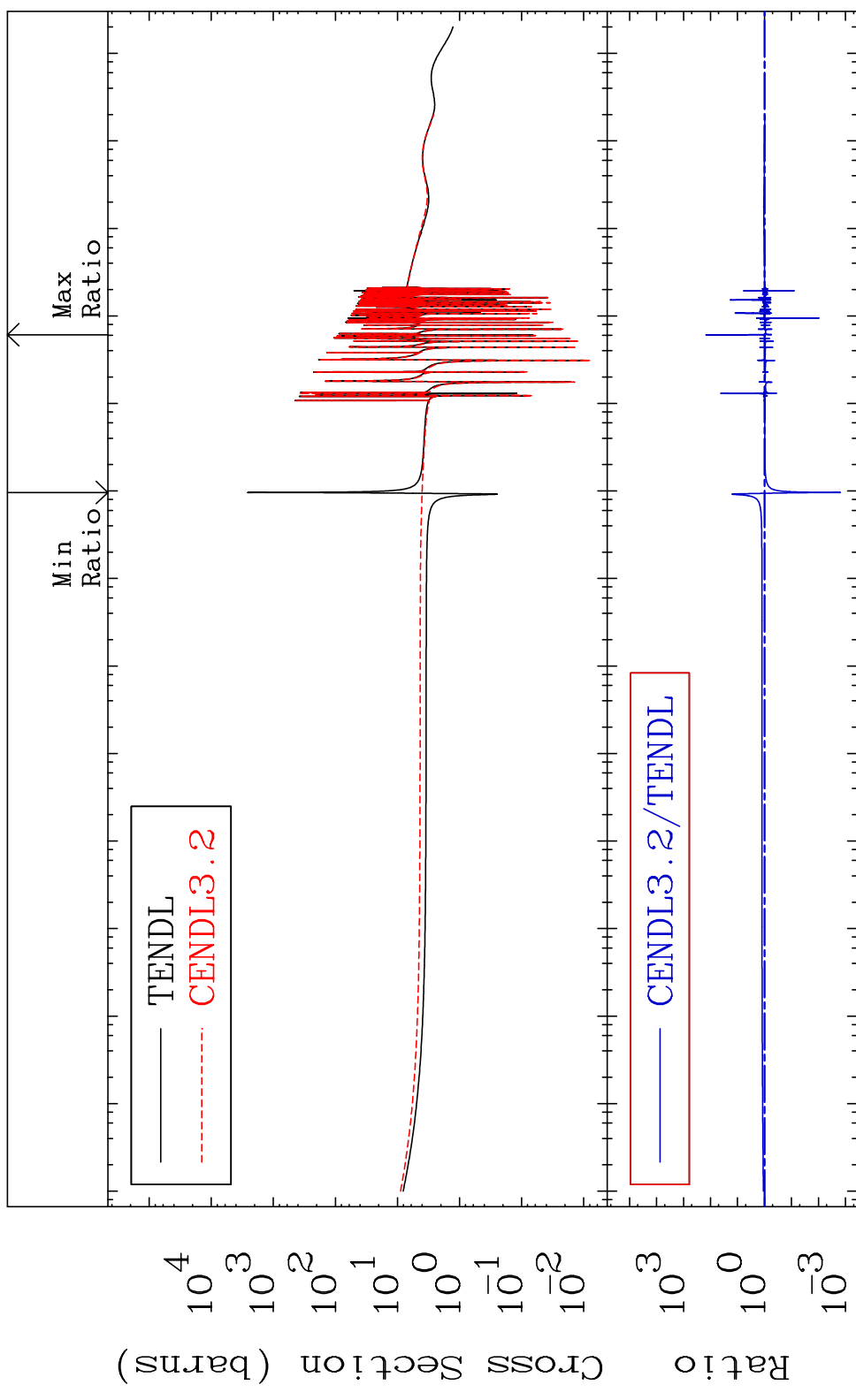
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 3043

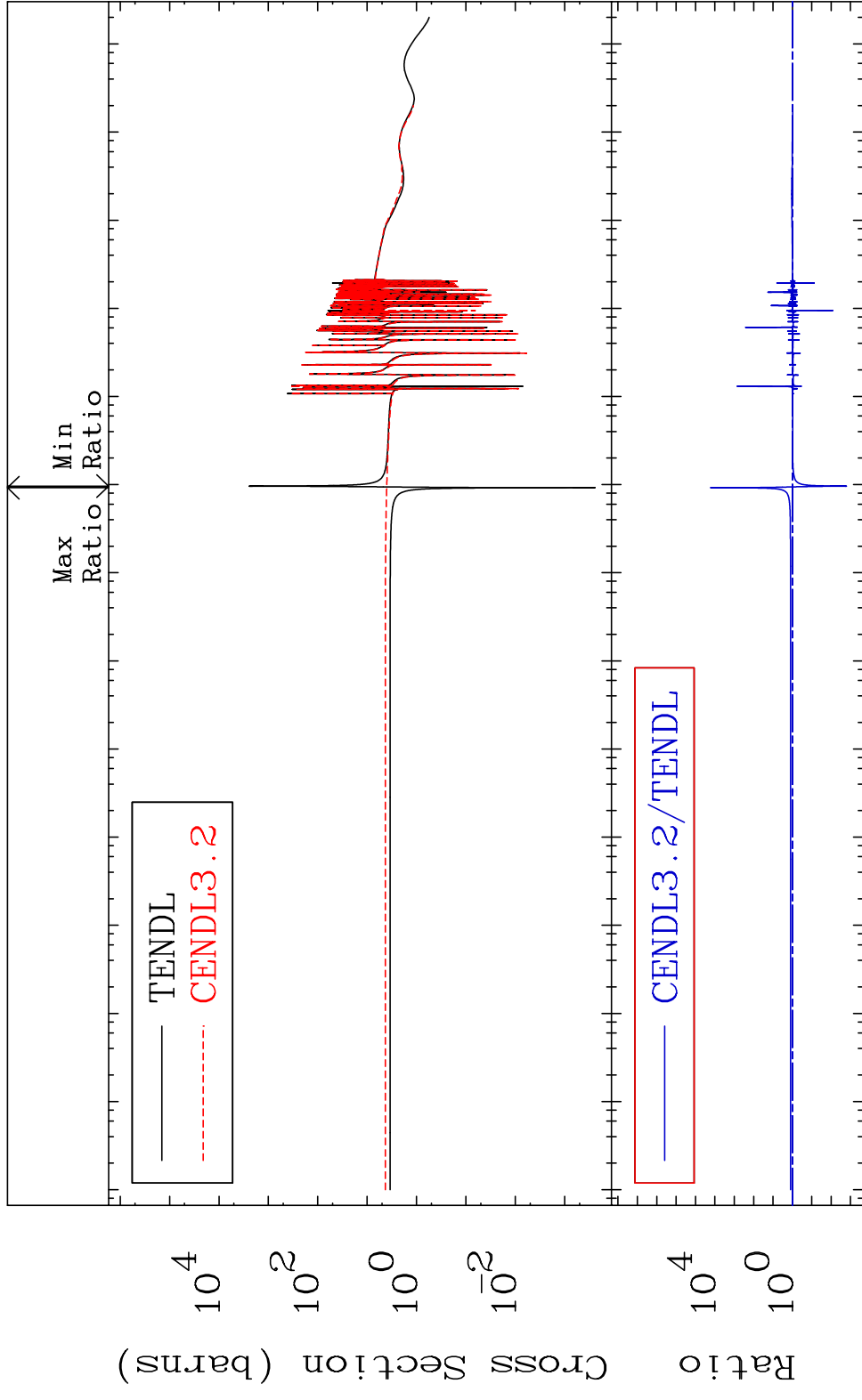
Total Cross Section -99.85 To 9999. %
30-Zn-70



1 Incident Energy (eV) 30-Zn-70

MAT 3043

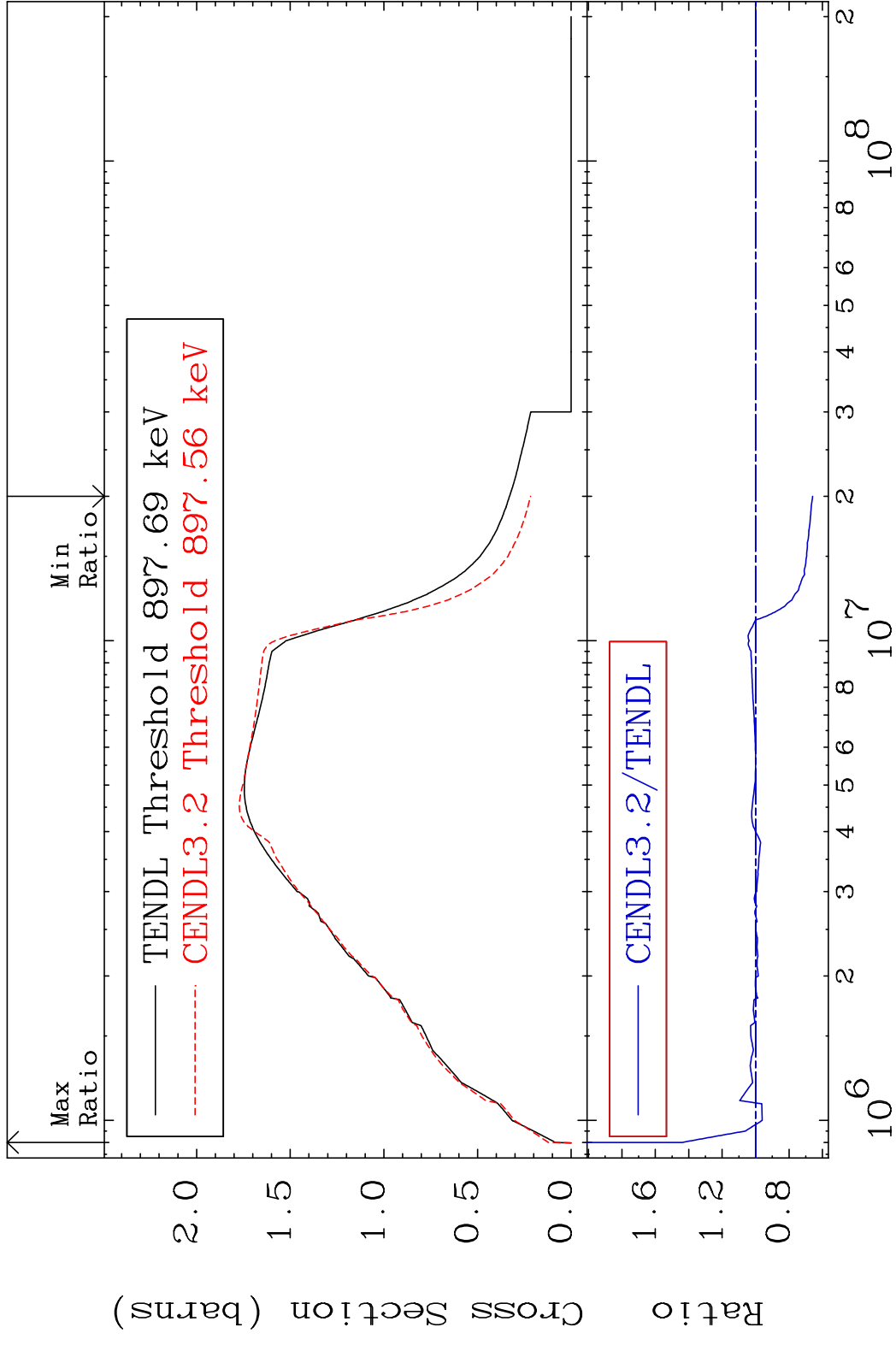
Elastic Cross Section -99.84 To 9999. % 30-Zn-70



2

Incident Energy (eV) 30-Zn-70

MAT 3043 Inelastic Cross Section -34.09 To 43.81 % 30-Zn-70



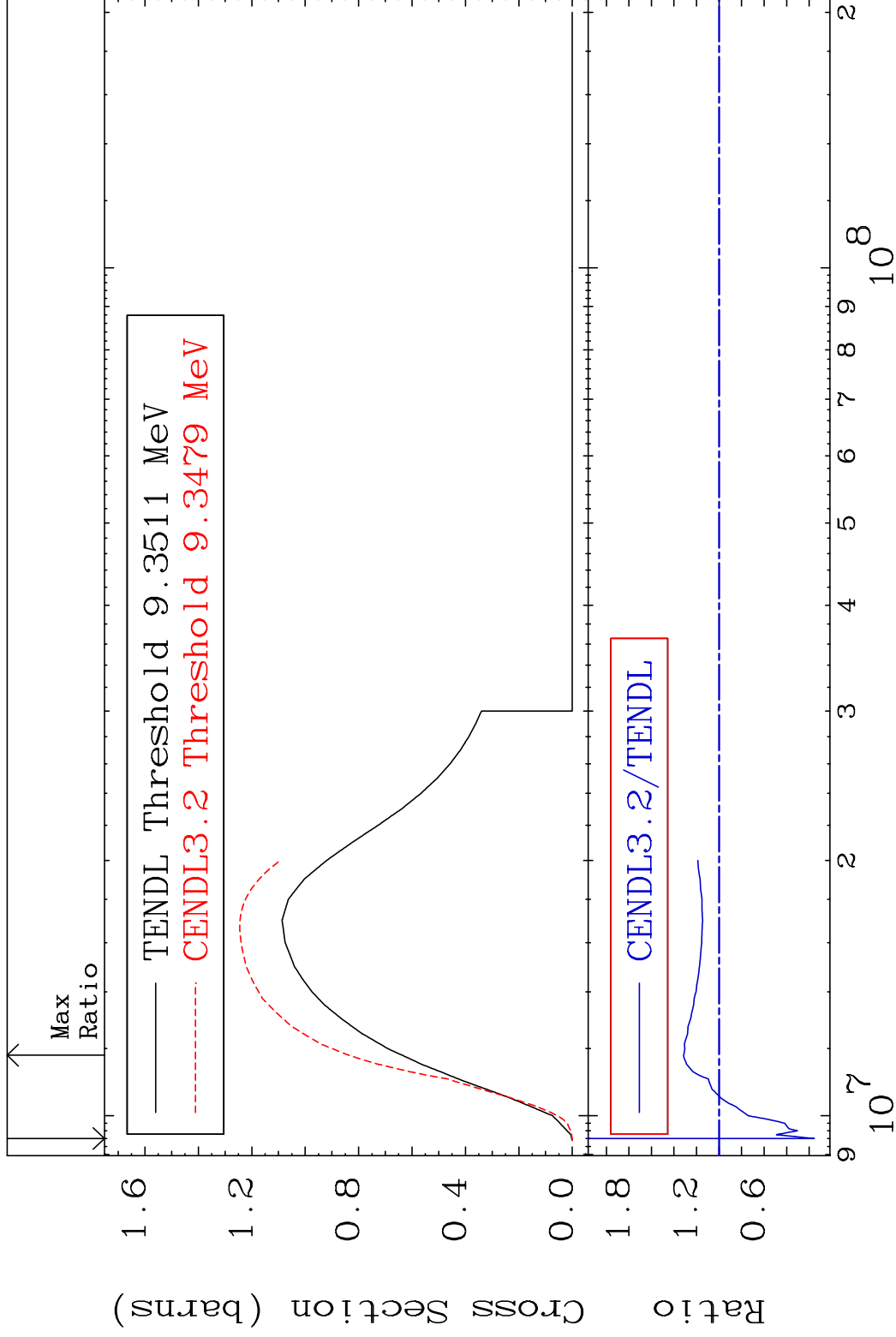
3 3 3 4 5 6 8 2 10⁶ 10⁷ 10⁸ 30-Zn-70

MAT 3043

(n,2n)

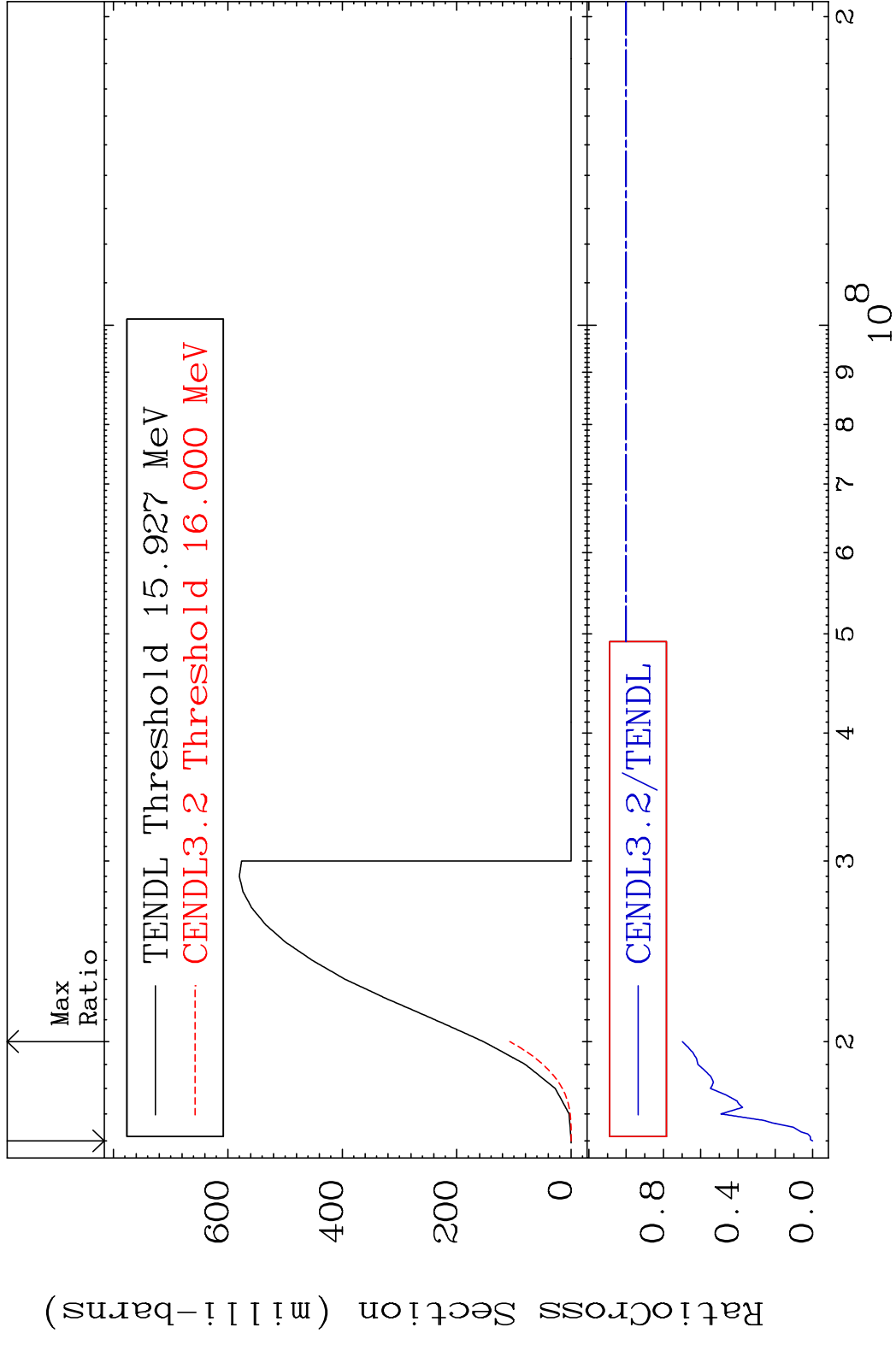
30-Zn-70

Cross Section -84.37 To 31.40 %



30-Zn-70

MAT 3043 (n,3n) 30-Zn-70
 Cross Section -100.0 To -30.16%

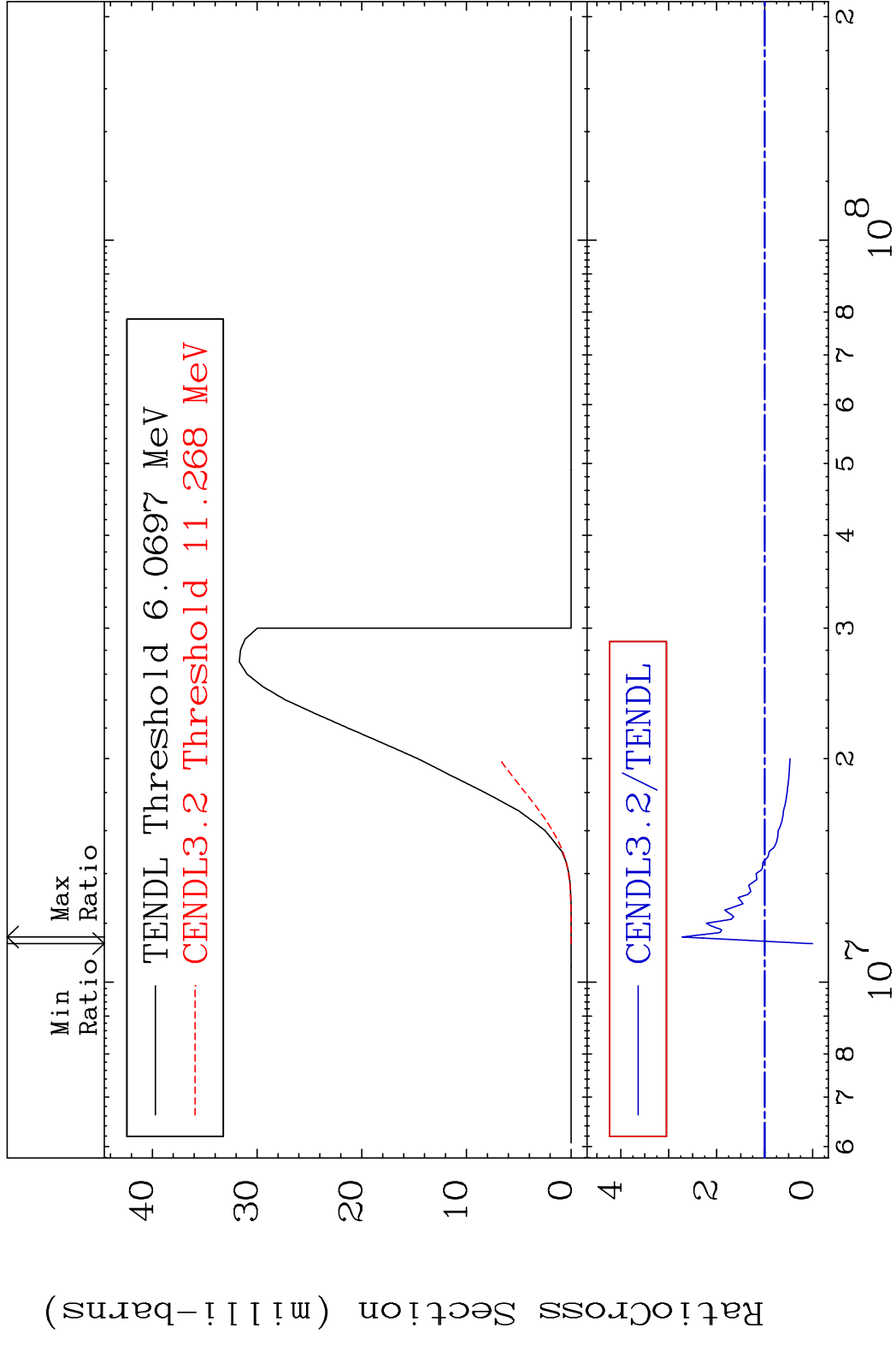


MAT 3043

(n, n') α

30-Zn-70

Cross Section -100.0 To 171.7 %



6

Incident Energy (eV)

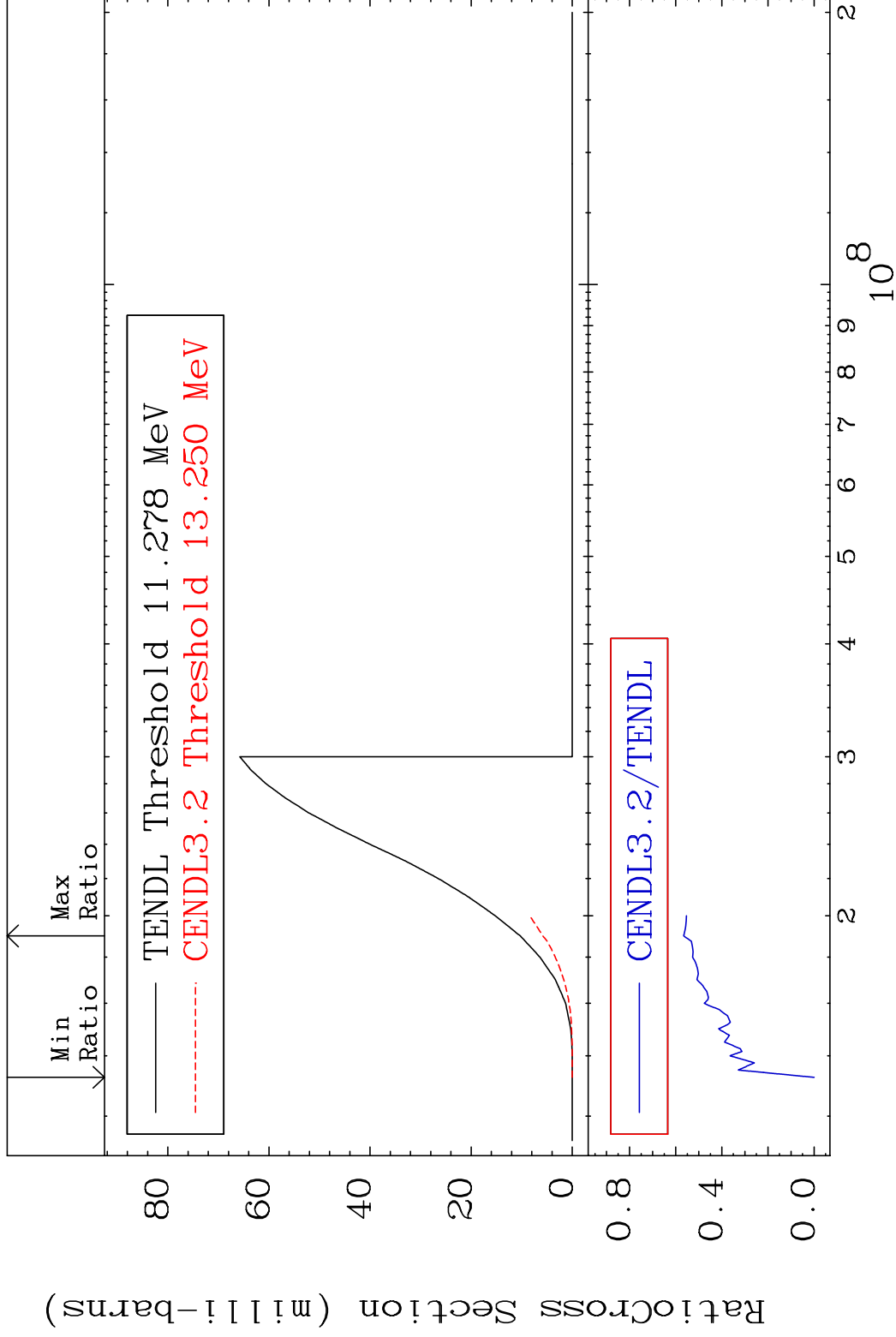
30-Zn-70

MAT 3043

(n, n') p

30-Zn-70

Cross Section -100.0 To -43.44%

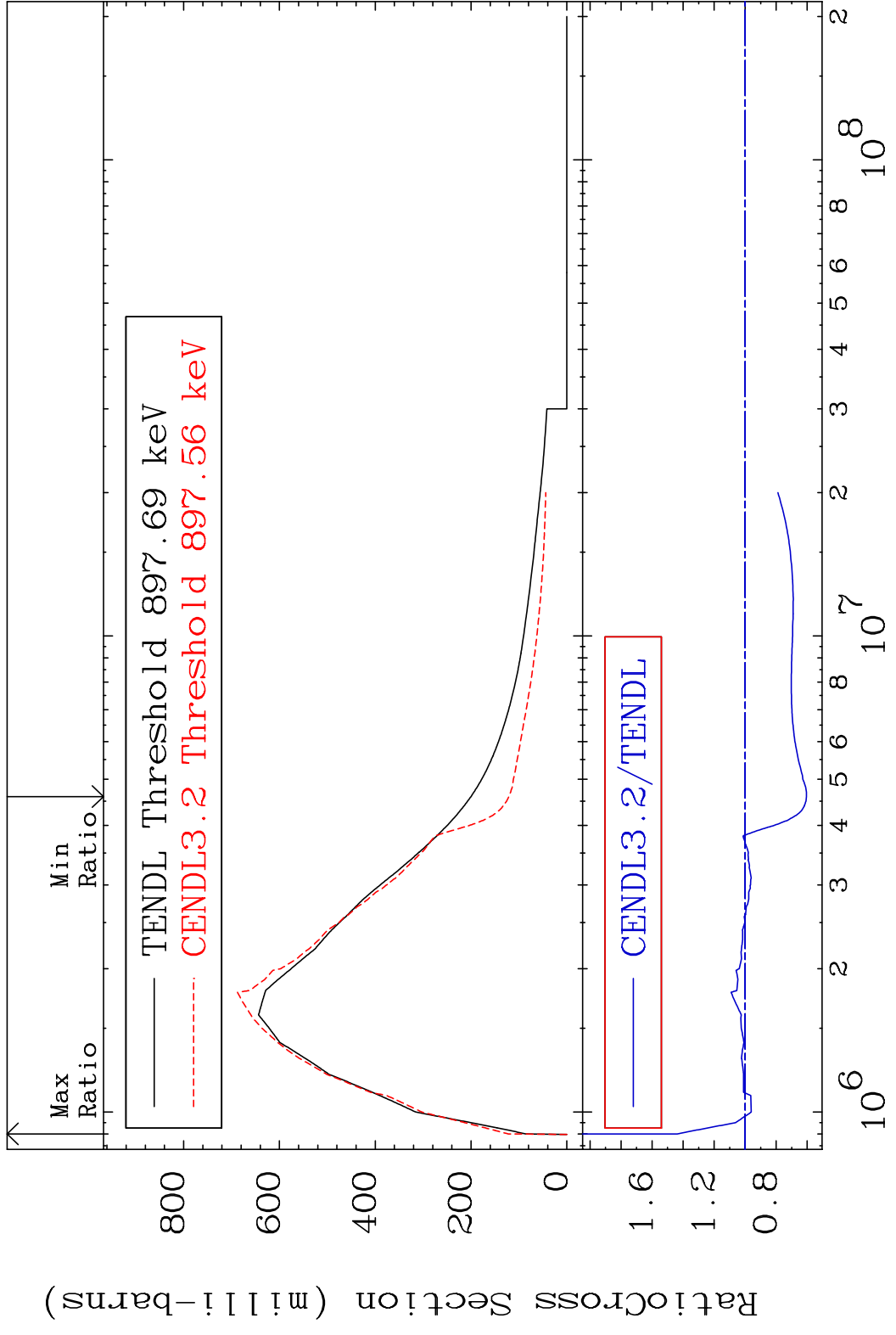


7

Incident Energy (eV)

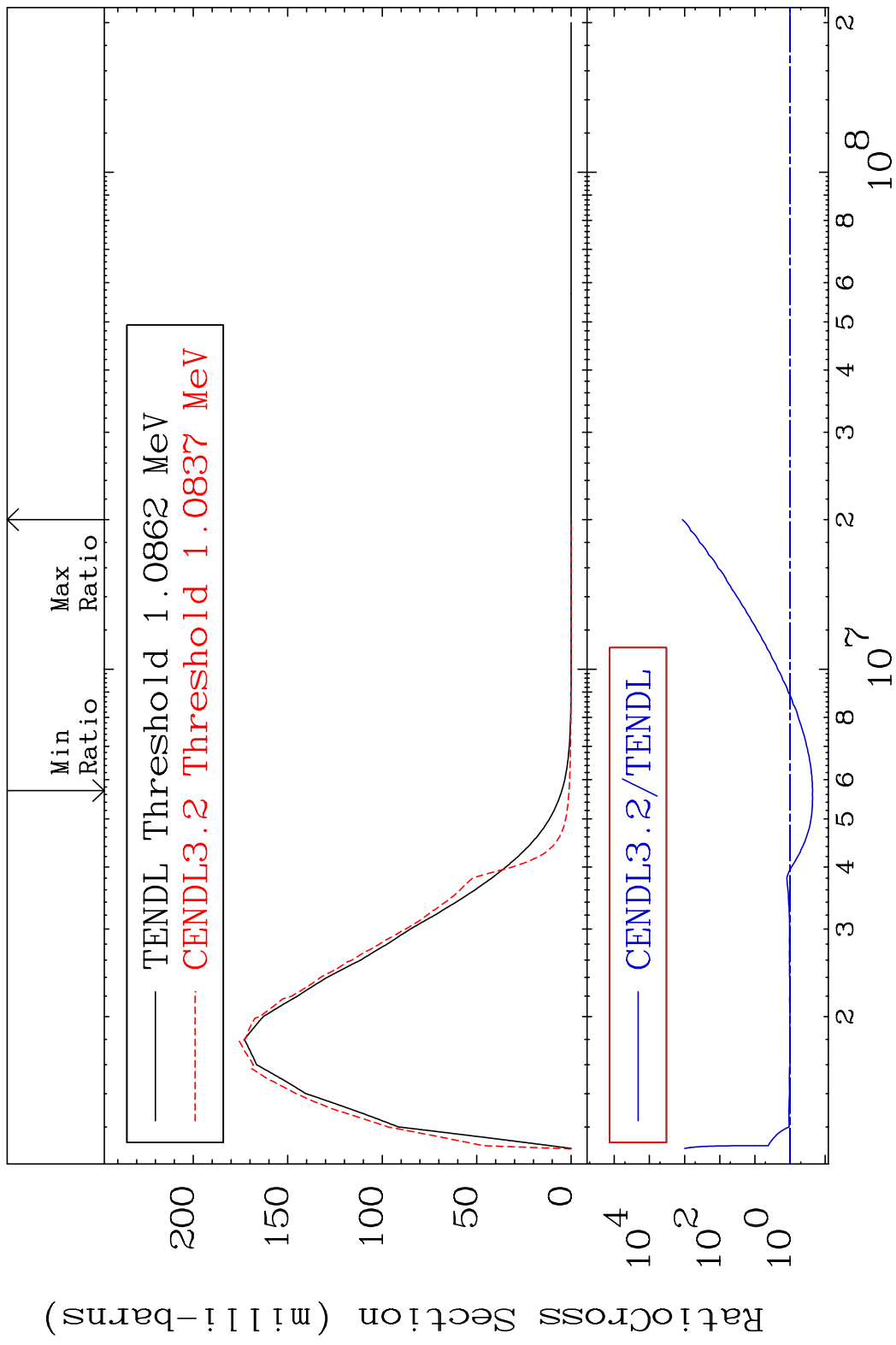
30-Zn-70

MAT 3043 MT= 51 (n, n') Level 30-Zn-70
 Cross Section -39.51 To 43.81 %

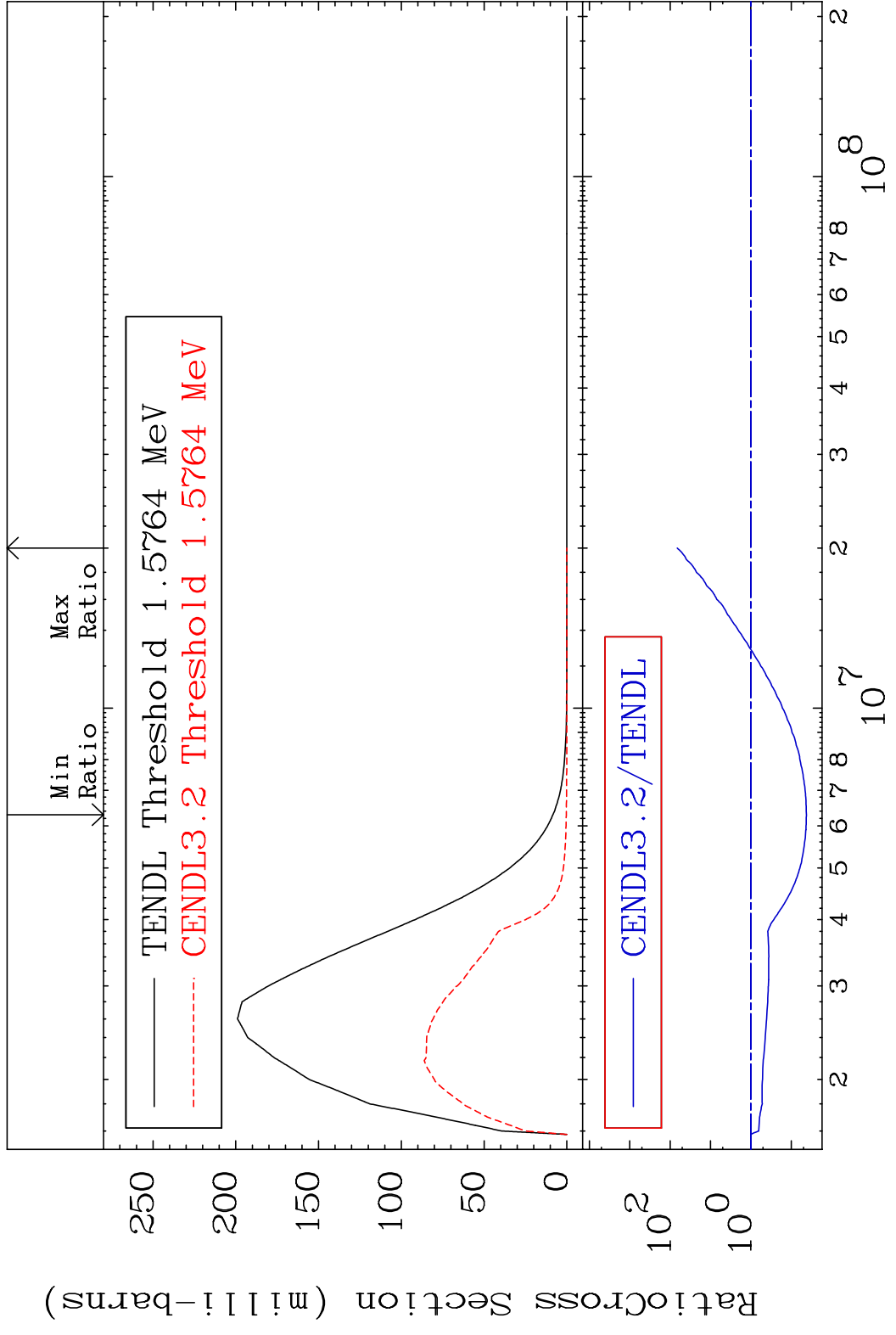


8 Incident Energy (eV) 30-Zn-70

MAT 3043 MT= 52 (n, n') Level 30-Zn-70
 Cross Section -77.03 To 9999. %

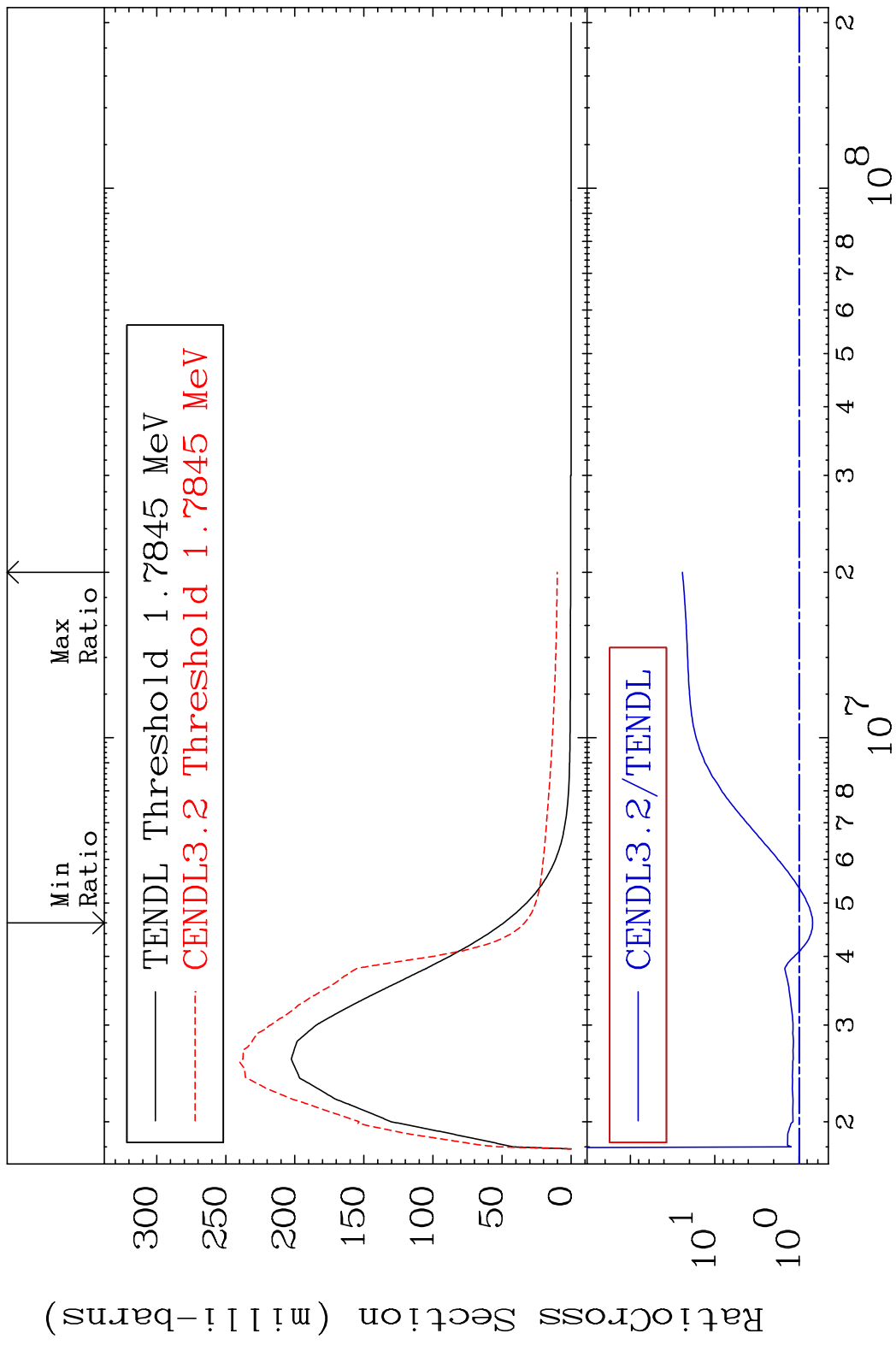


MAT 3043 MT= 53 (n, n') Level 30-Zn-70
 Cross Section -95.78 To 6580. %

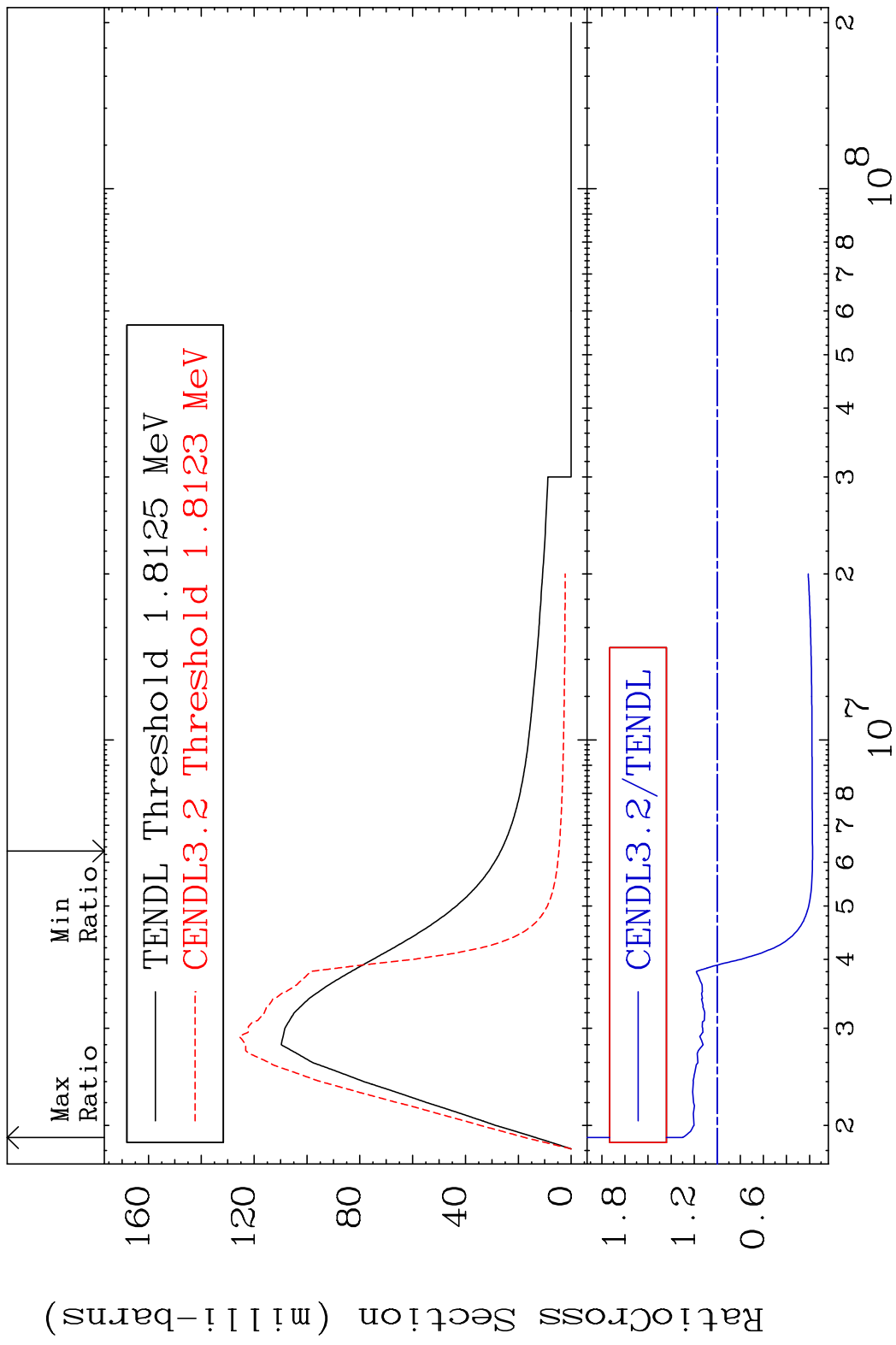


10 Incident Energy (eV) 30-Zn-70

MAT 3043 MT= 54 (n, n') Level 30-Zn-70
 Cross Section -30.87 To 2323. %

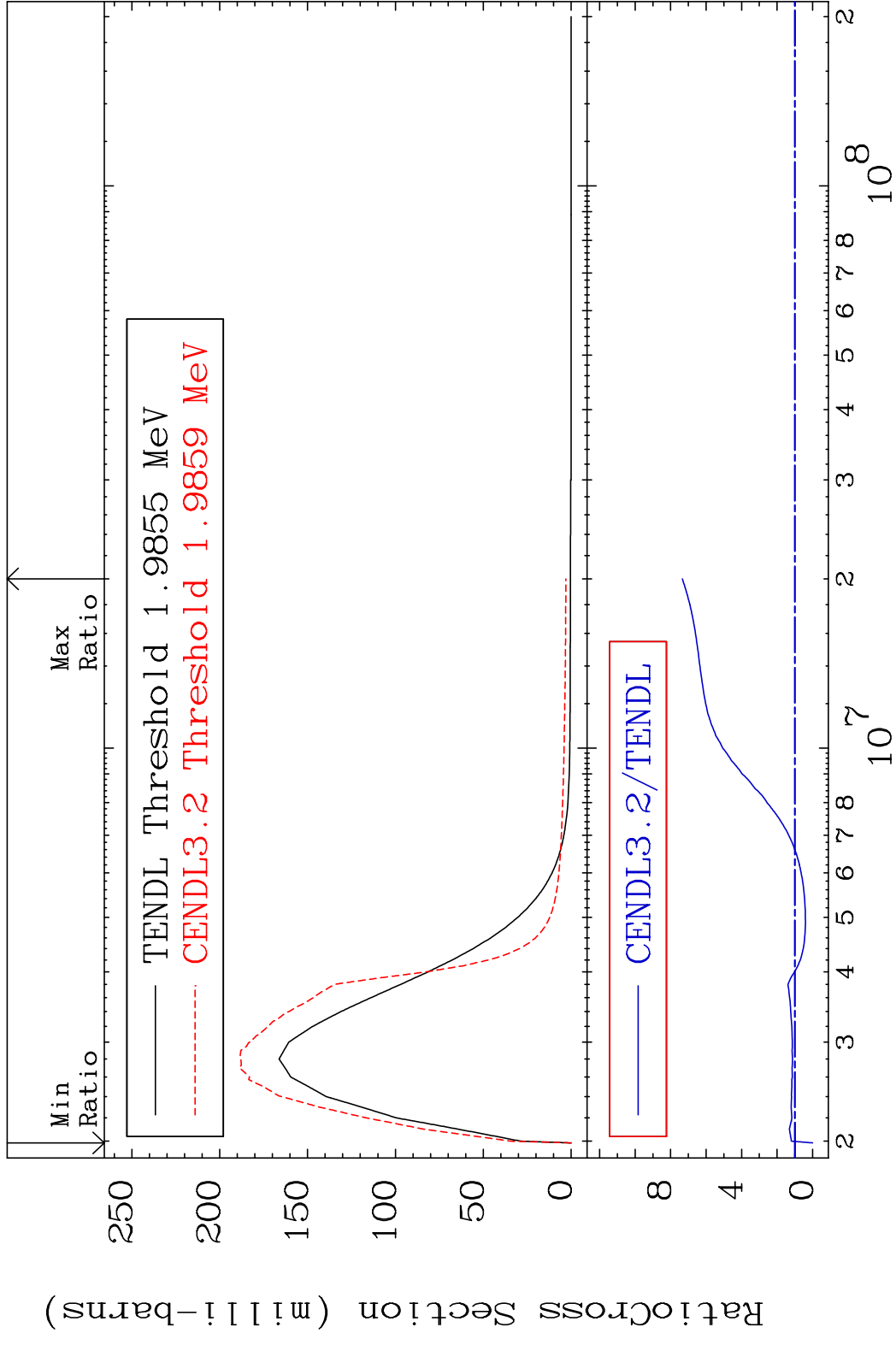


MAT 3043 MT= 55 (n, n') Level 30-Zn-70
 Cross Section -82.60 To 30.27 %

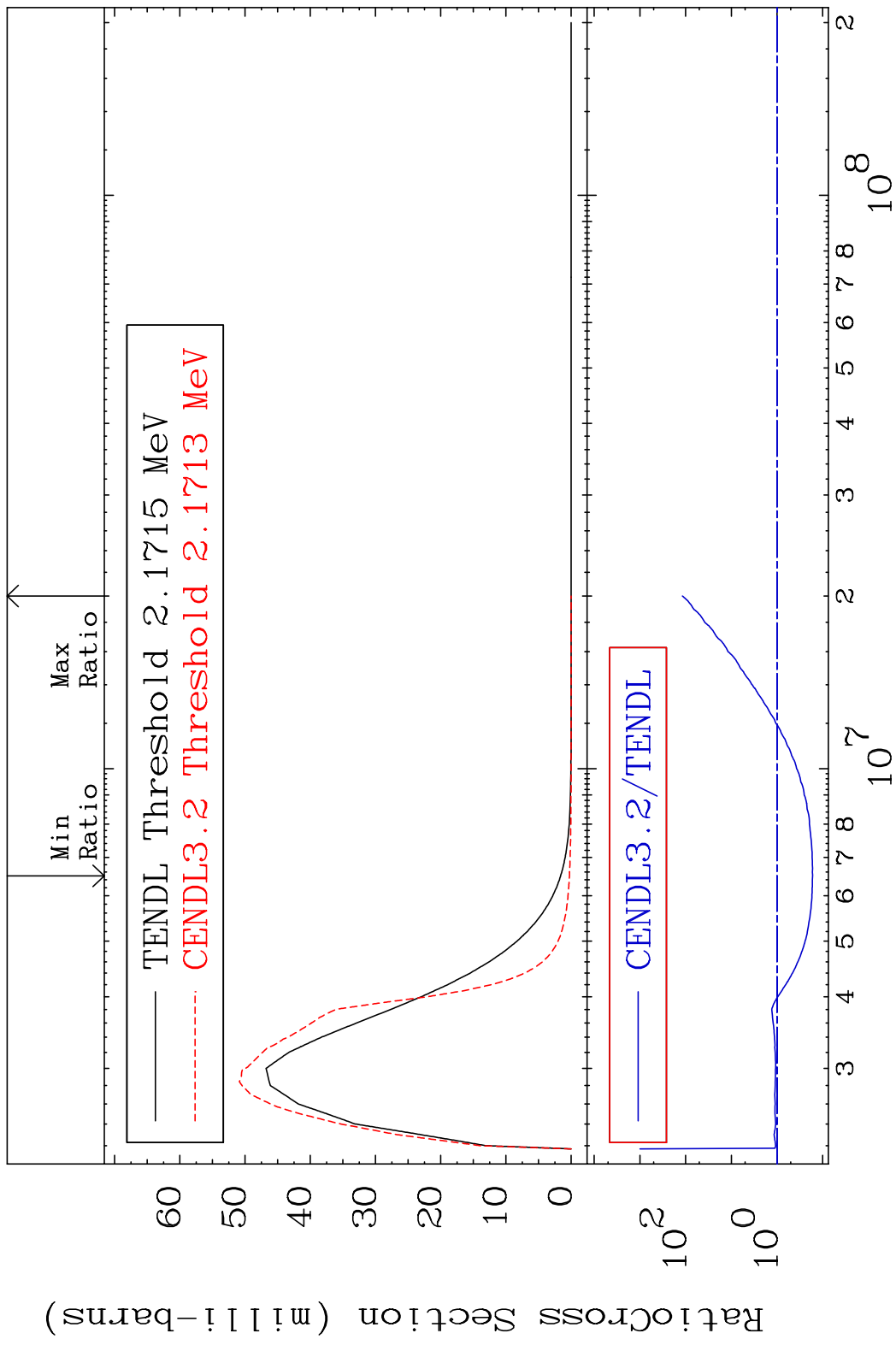


12 Incident Energy (eV) 30-Zn-70

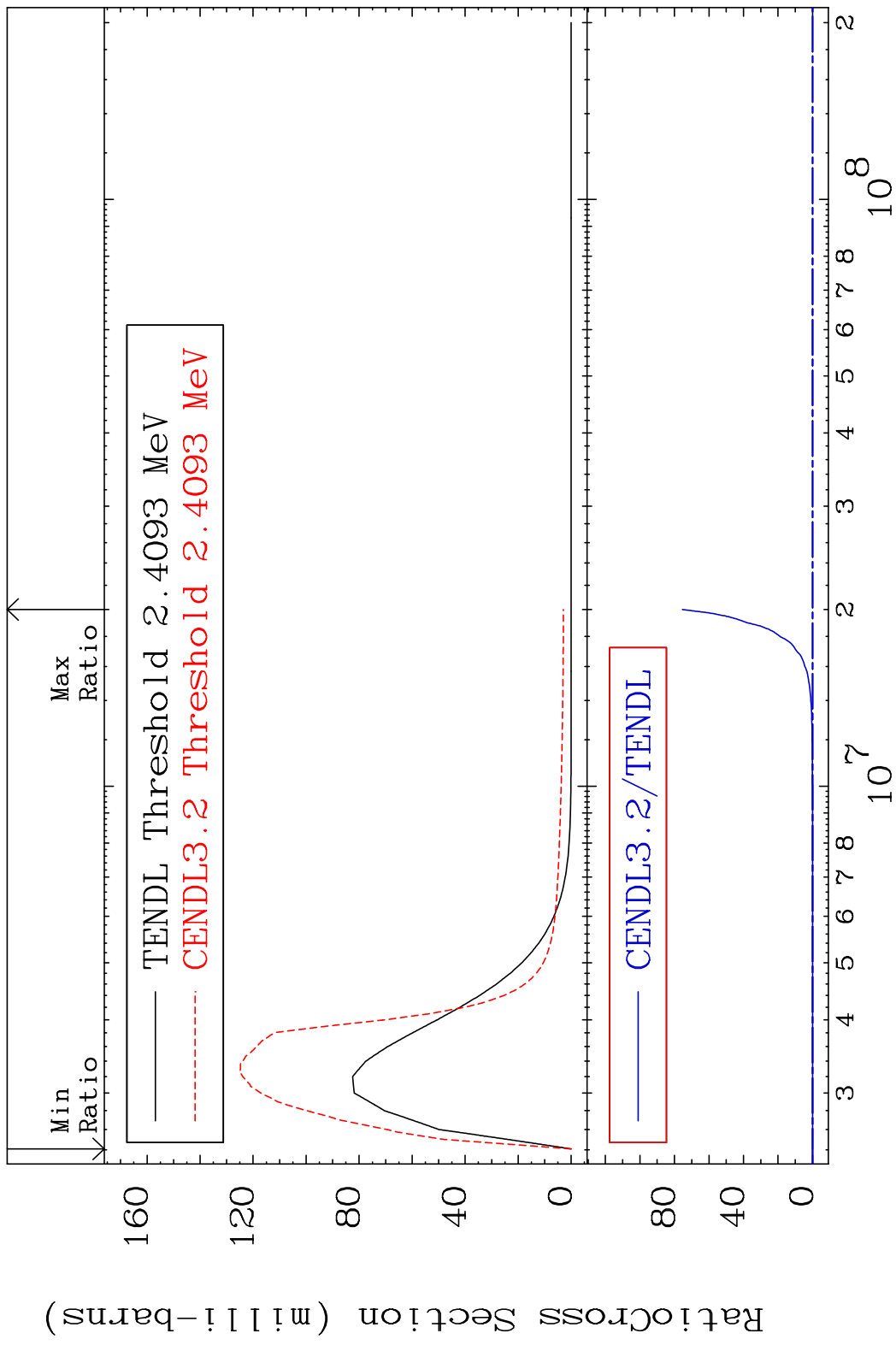
MAT 3043 MT= 56 (n, n') Level 30-Zn-70
 Cross Section -100.0 To 634.0 %



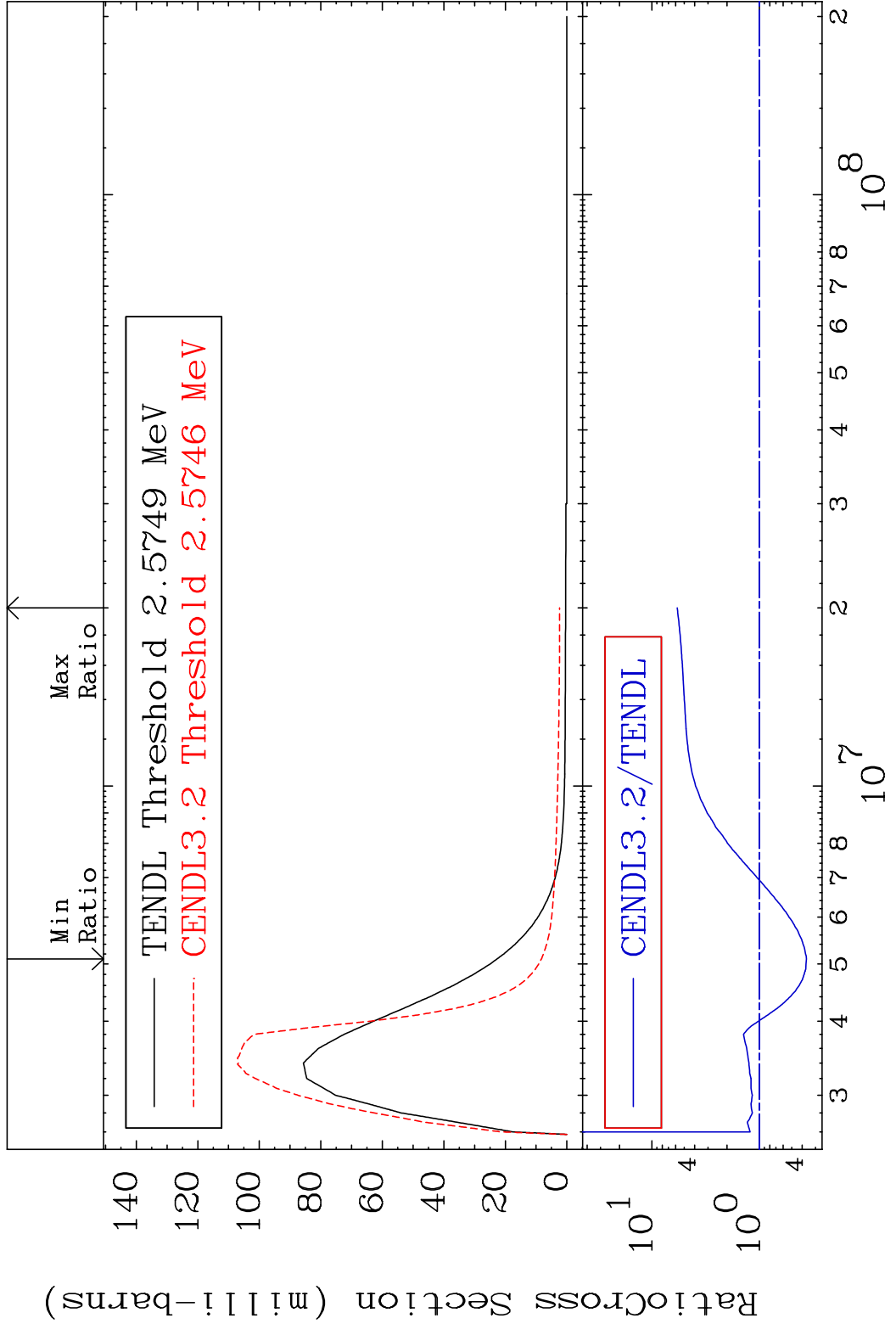
MAT 3043 MT= 57 (n, n') Level 30-Zn-70
 Cross Section -83.31 To 9999. %



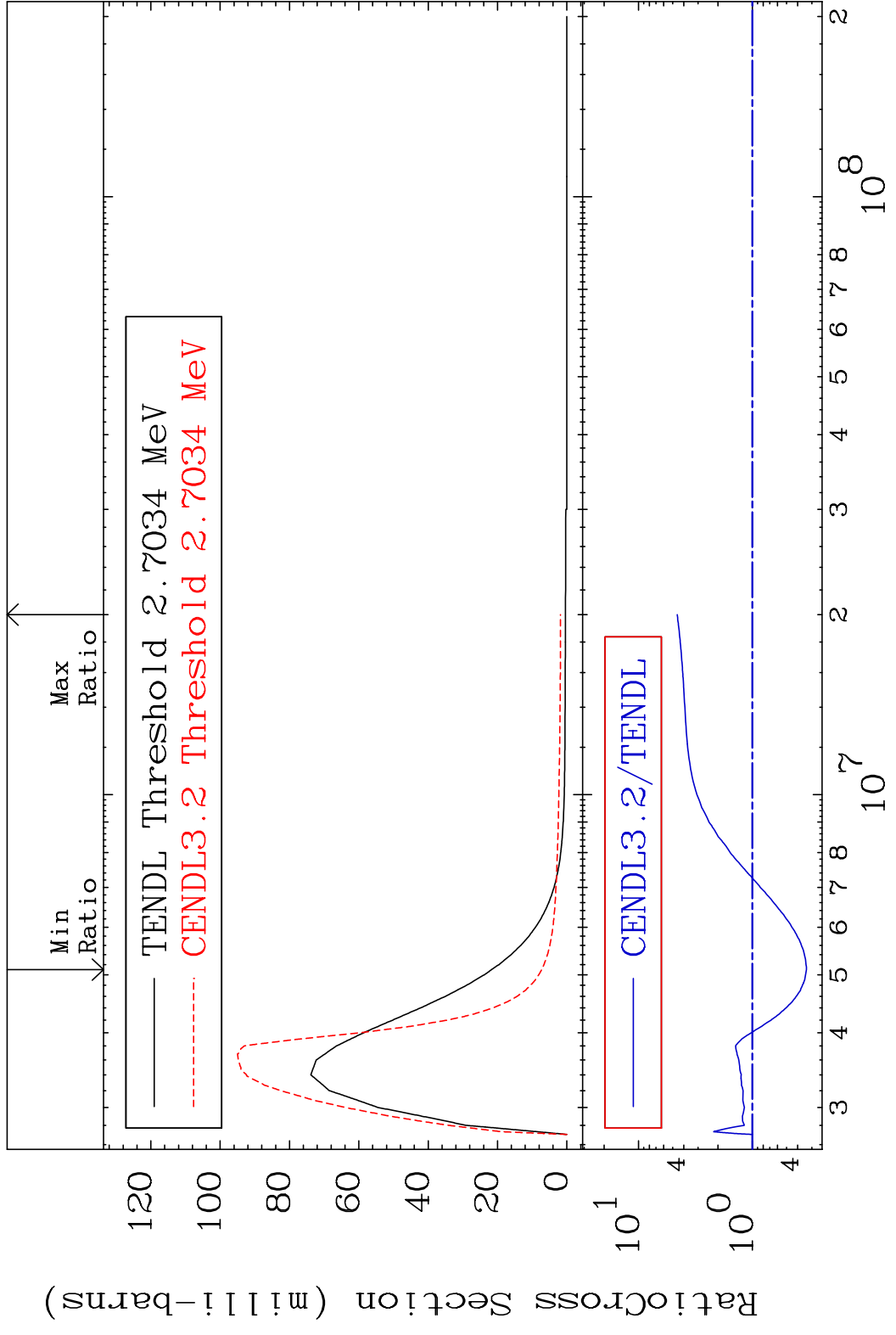
MAT 3043 MT= 58 (n, n') Level 30-Zn-70
 Cross Section -100.0 To 9999. %



MAT 3043 MT= 59 (n, n') Level 30-Zn-70
 Cross Section -63.49 To 481.2 %

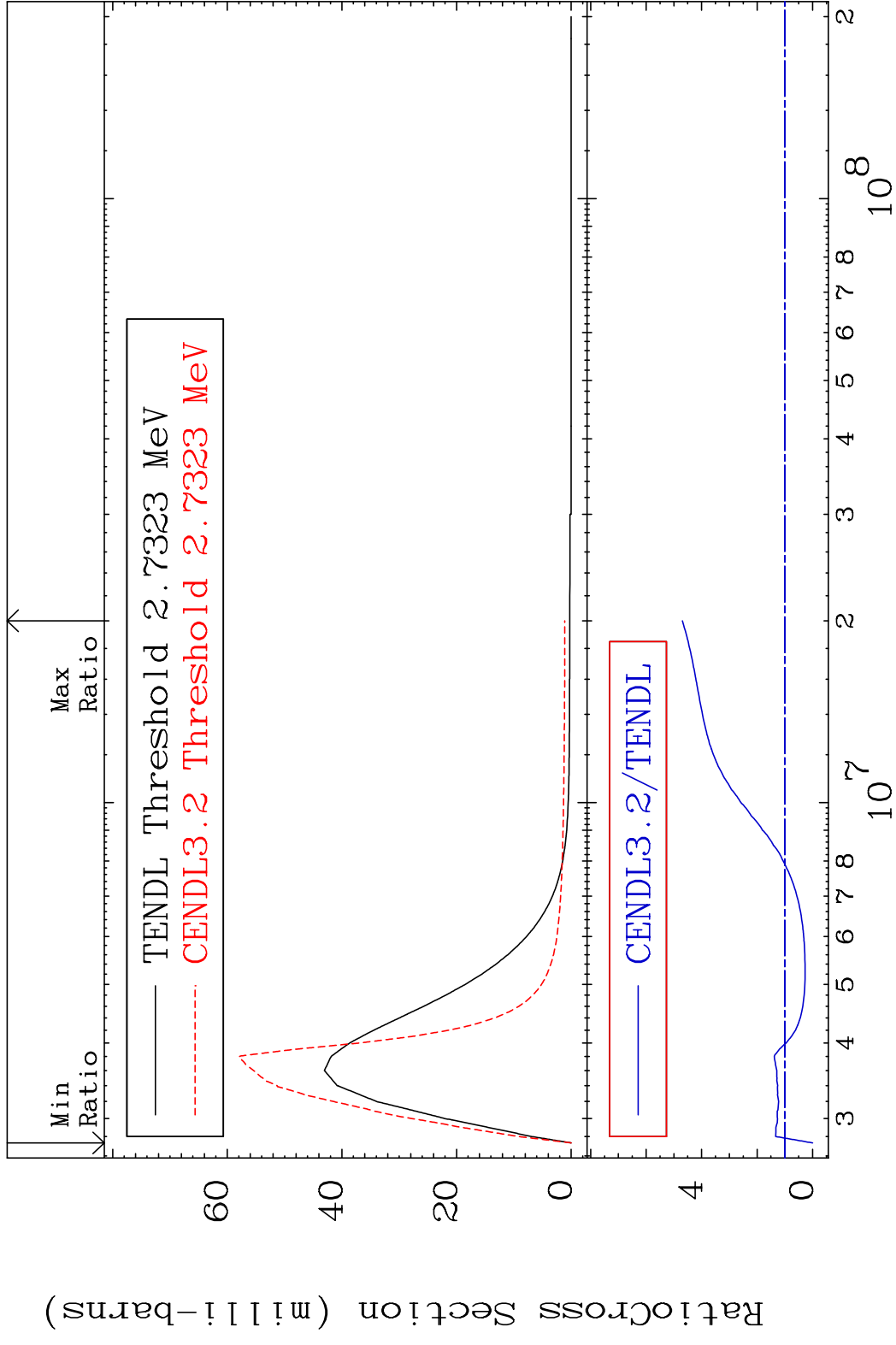


MAT 3043 MT= 60 (n, n') Level 30-Zn-70
 Cross Section -66.56 To 356.4 %

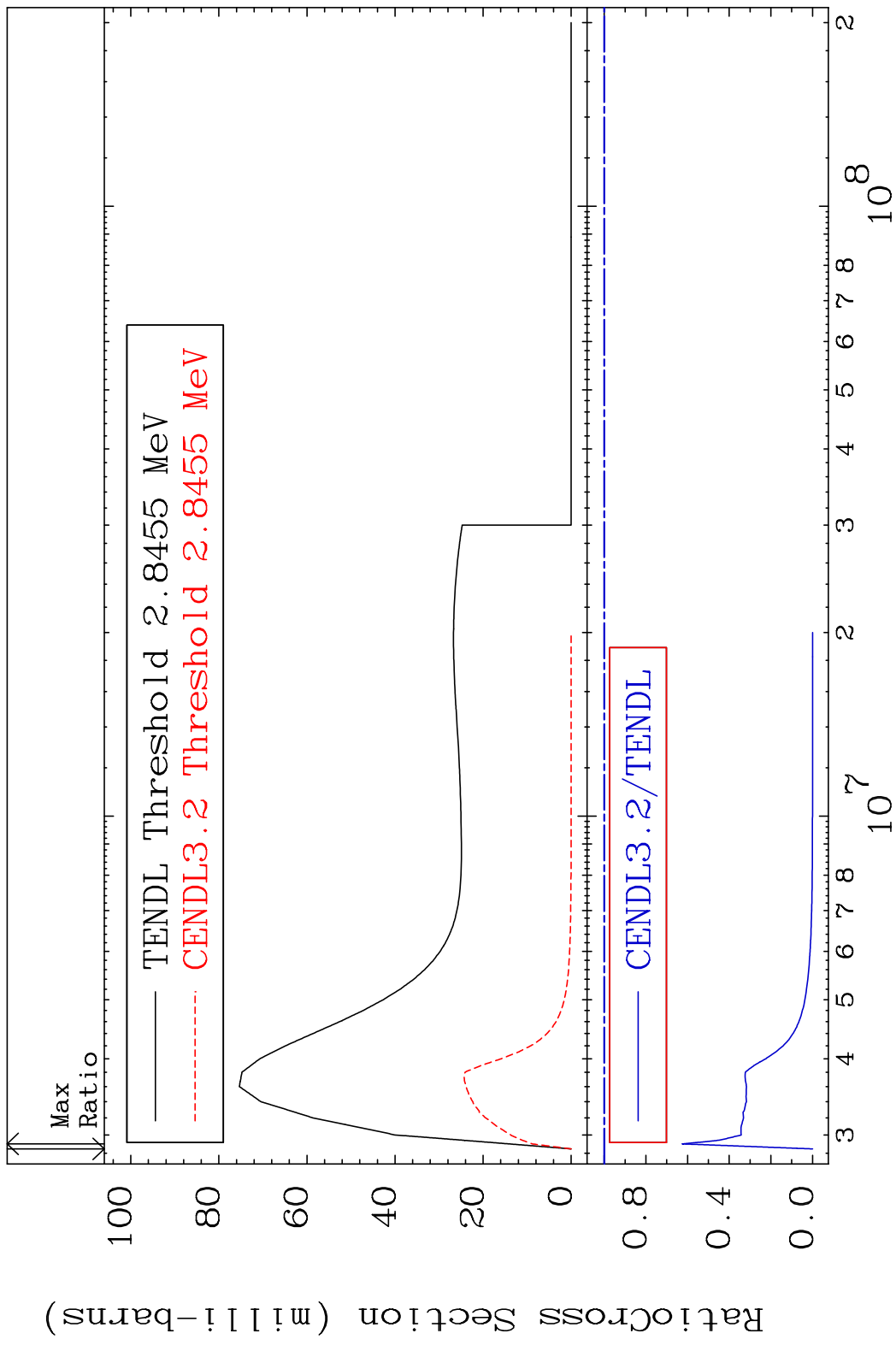


17 30-Zn-70

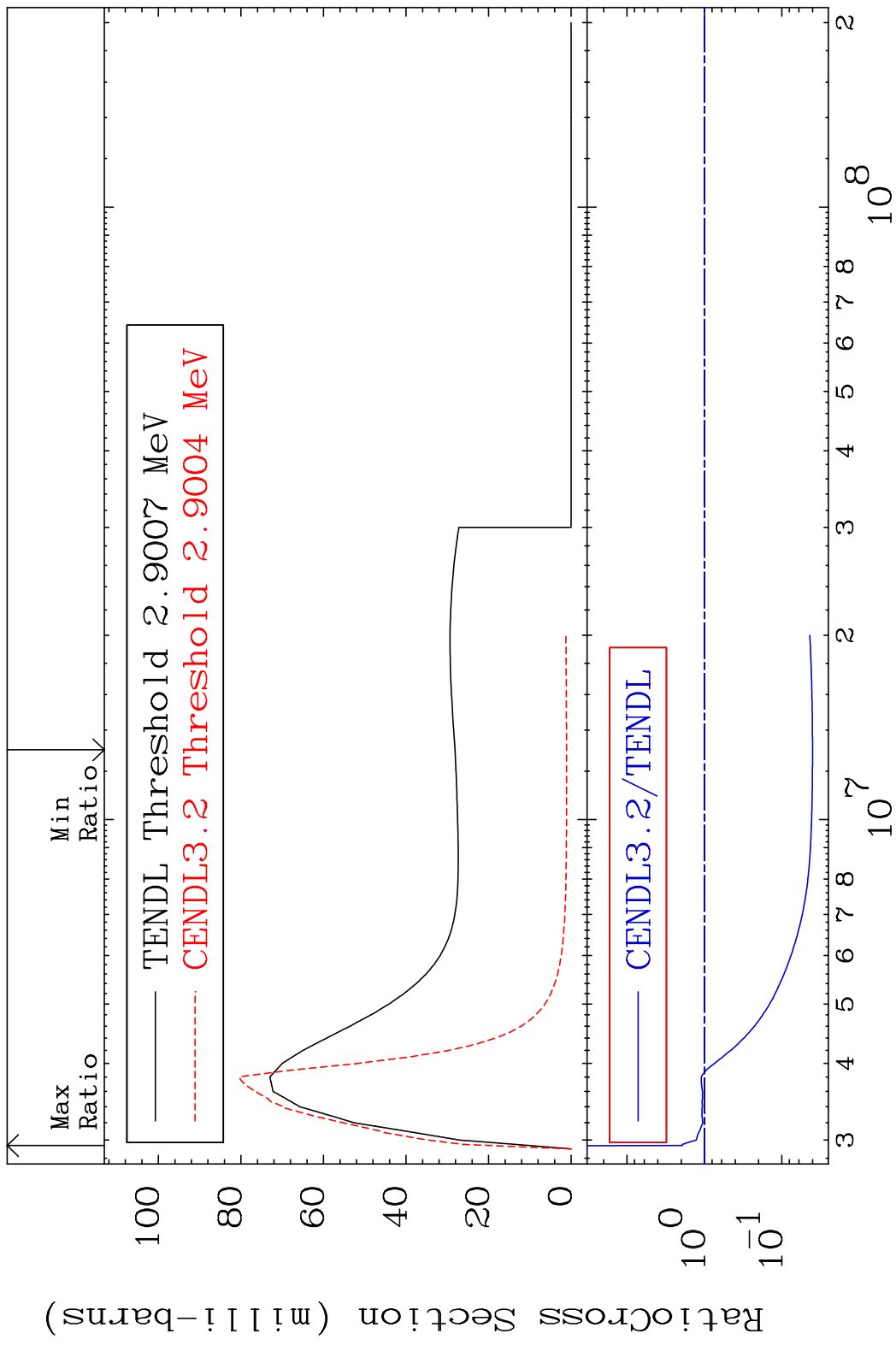
MAT 3043 MT= 61 (n, n') Level 30-Zn-70
 Cross Section -100.0 To 369.4 %



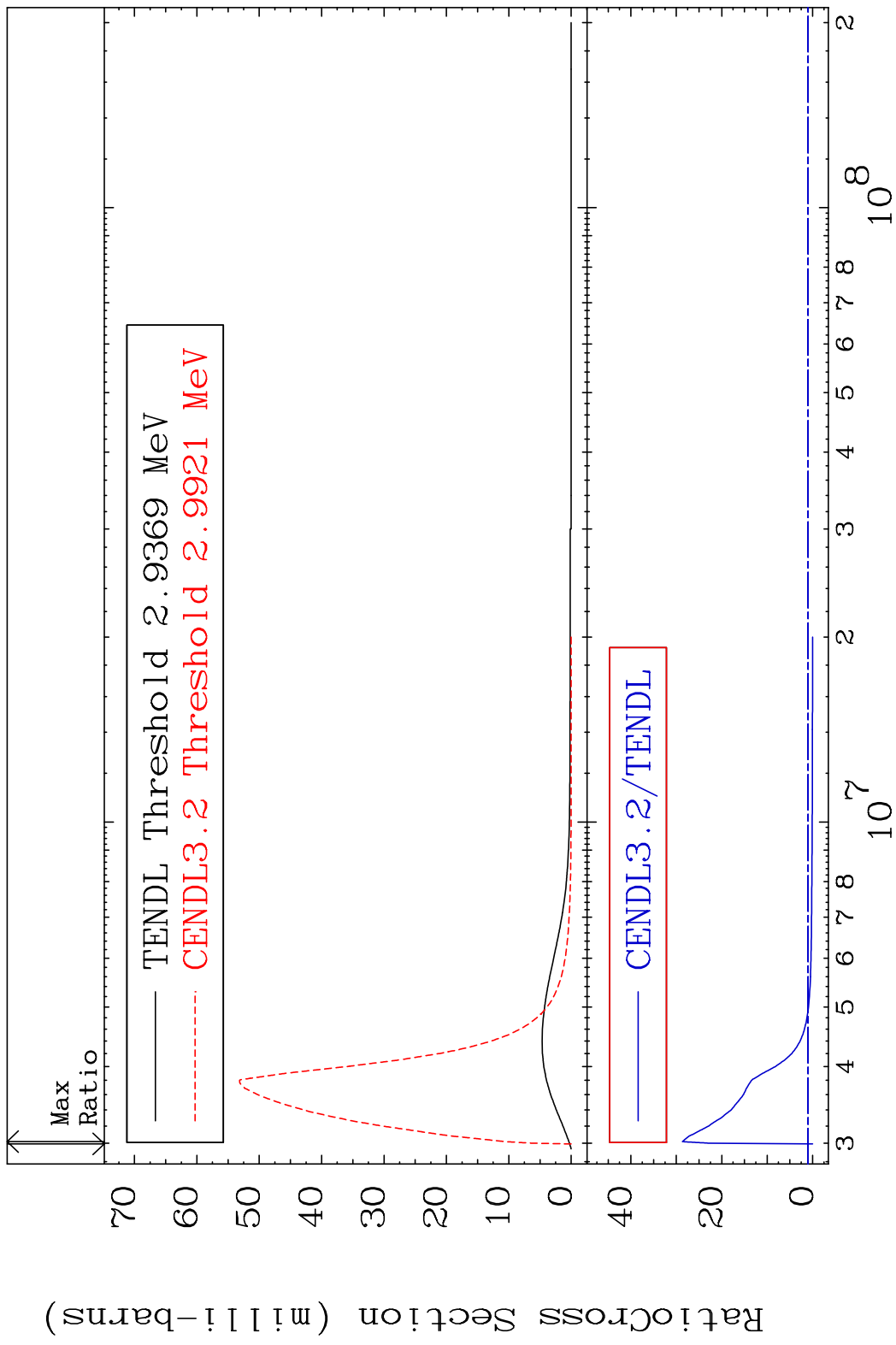
MAT 3043 MT= 62 (n,n') Level 30-Zn-70
 Cross Section -100.0 To -37.49%



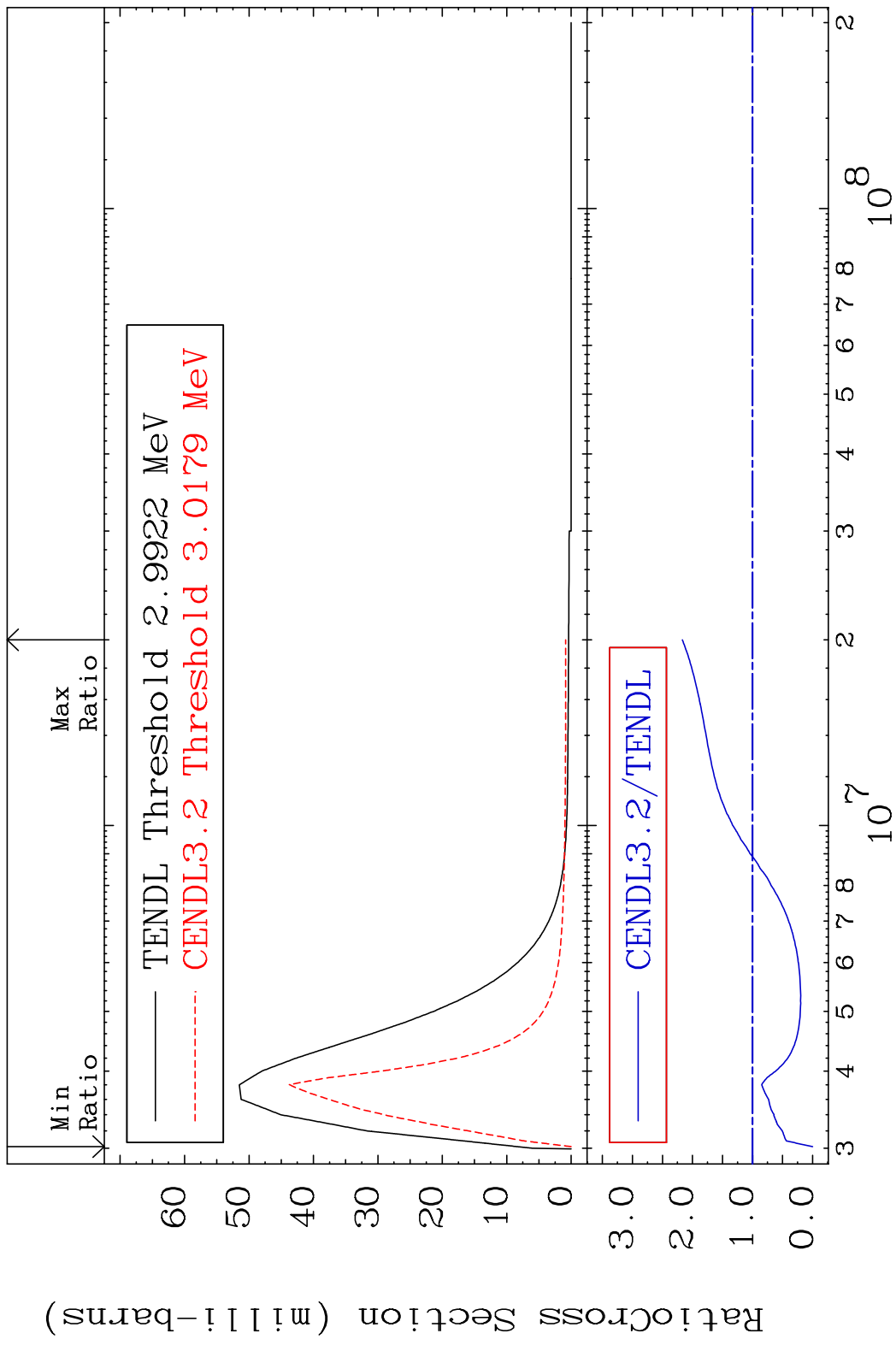
MAT 3043 MT= 63 (n, n') Level 30-Zn-70
 Cross Section -95.99 To 92.90 %



MAT 3043 MT= 64 (n, n') Level 30-Zn-70
 Cross Section -100.0 To 2767. %



MAT 3043 MT= 65 (n, n') Level 30-Zn-70
 Cross Section -100.0 To 116.9 %



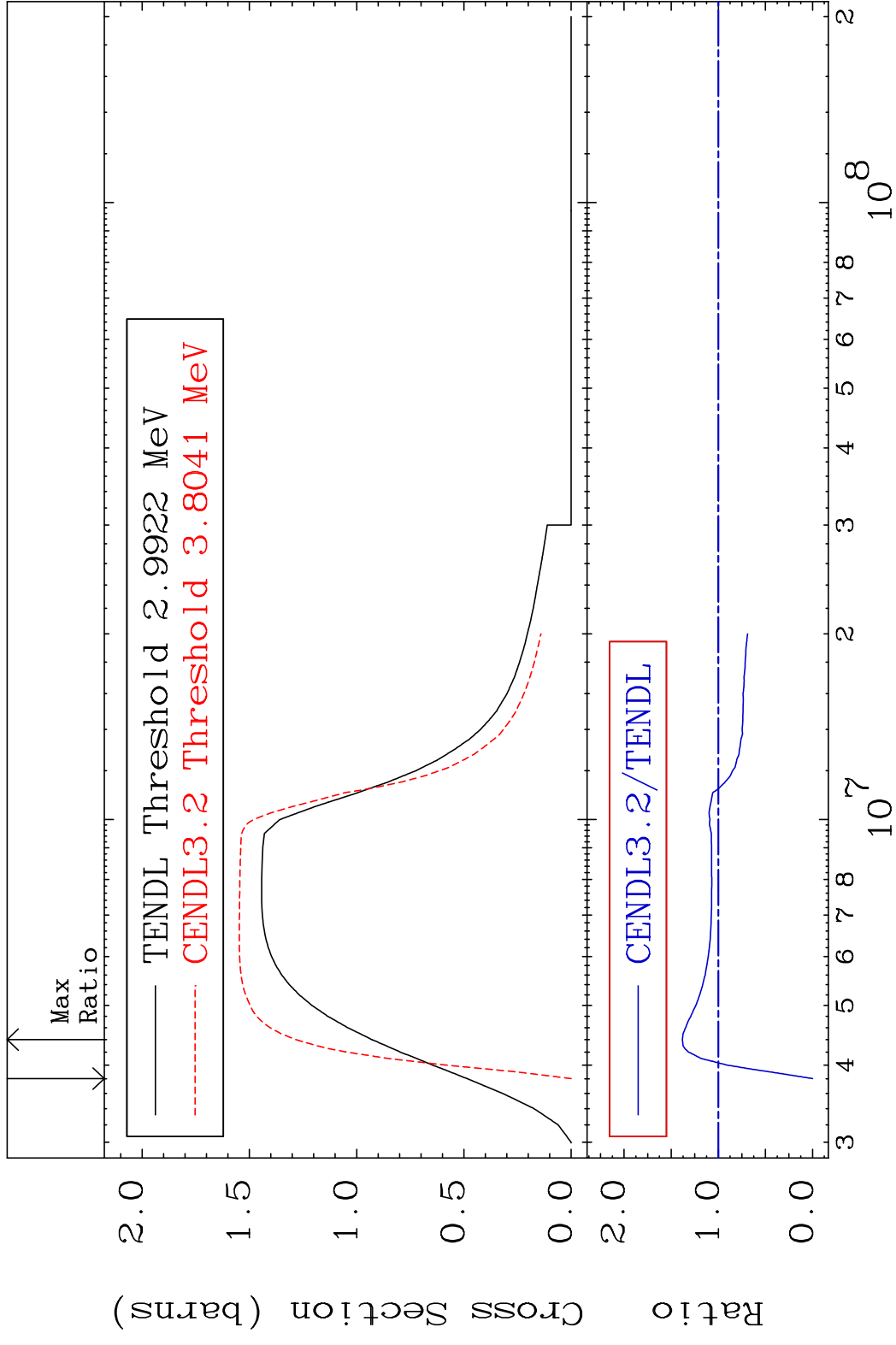
22 Incident Energy (eV) 30-Zn-70

MAT 3043

(n,n') Continuum

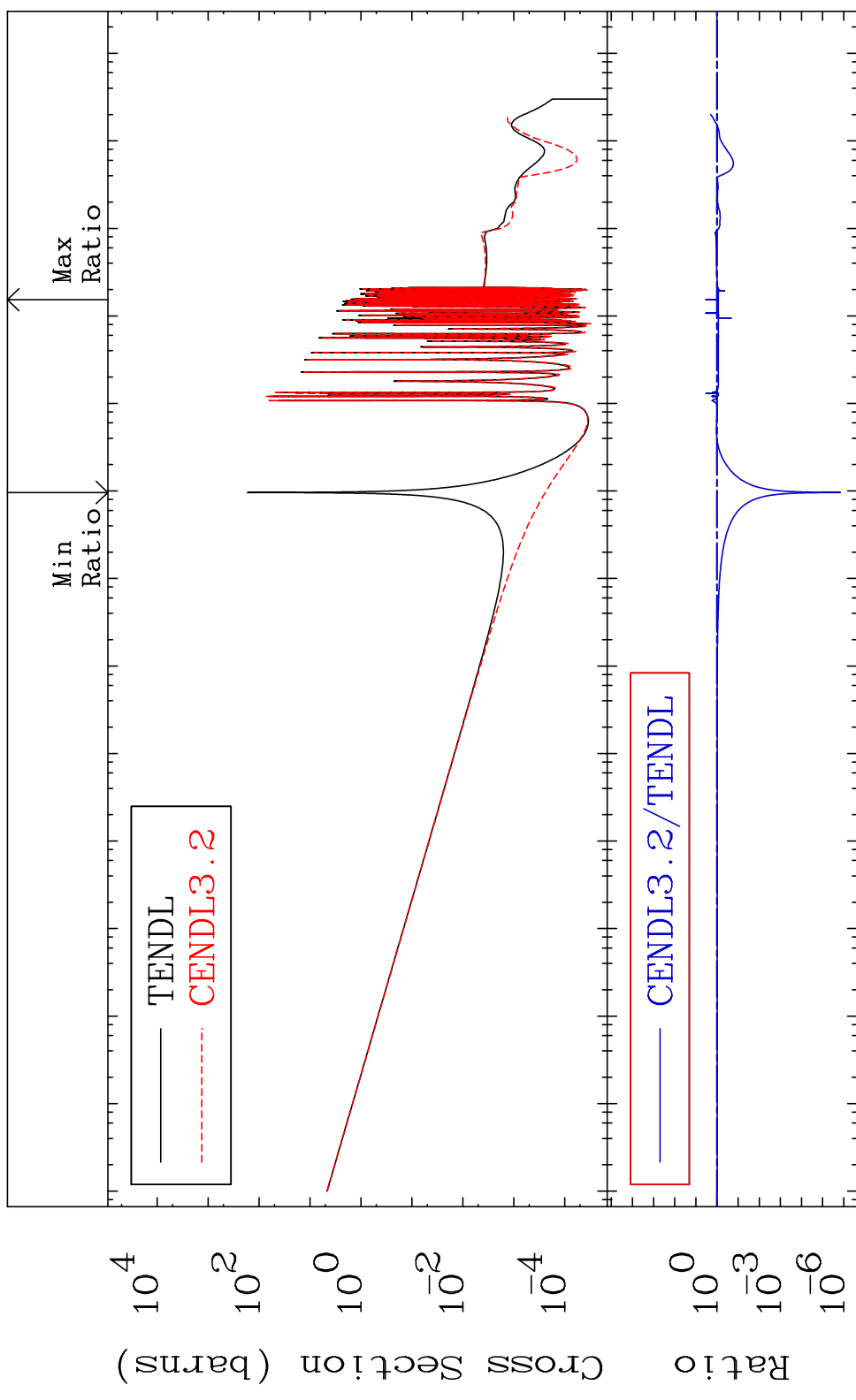
30-Zn-70

Cross Section -100.0 To 38.19 %

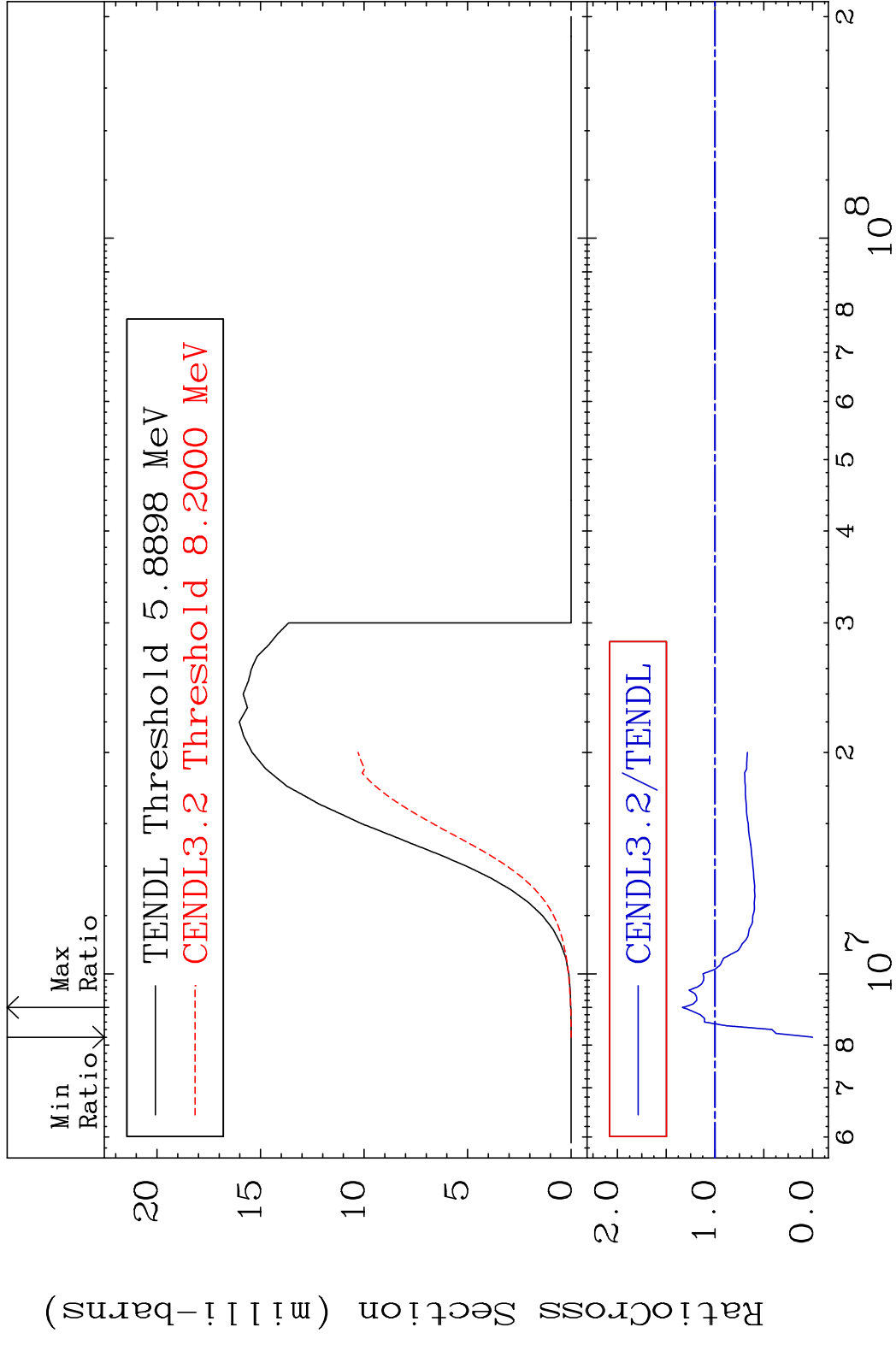


MAT 3043

(n, γ)
Cross Section -100.0 To 239.2 %
30-Zn-70



MAT 3043 (n,p) 30-Zn-70
 Cross Section -100.0 To 33.44 %

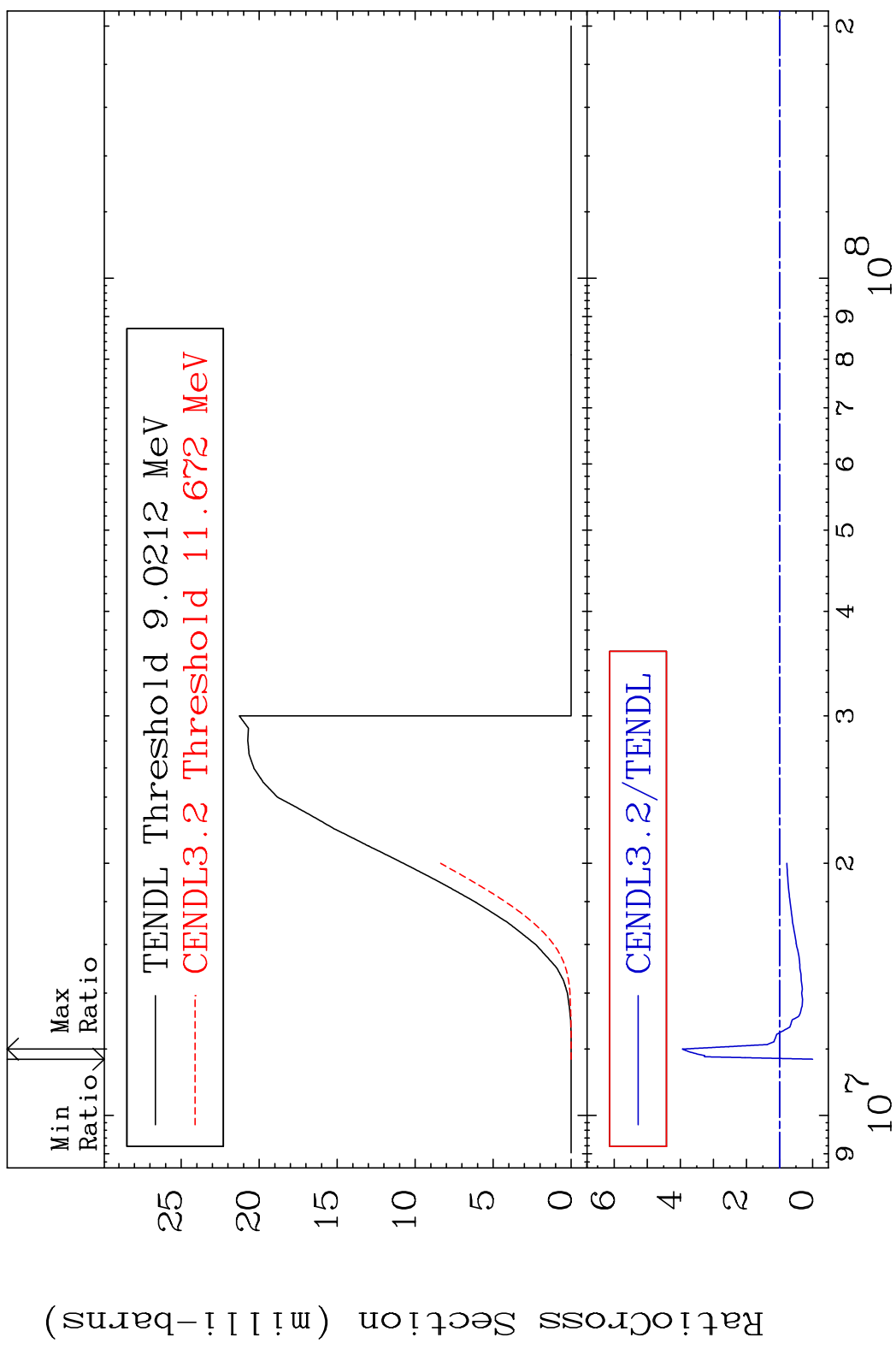


MAT 3043

(n, d)

30-Zn-70

Cross Section -100.0 To 293.6 %



26

Incident Energy (eV)

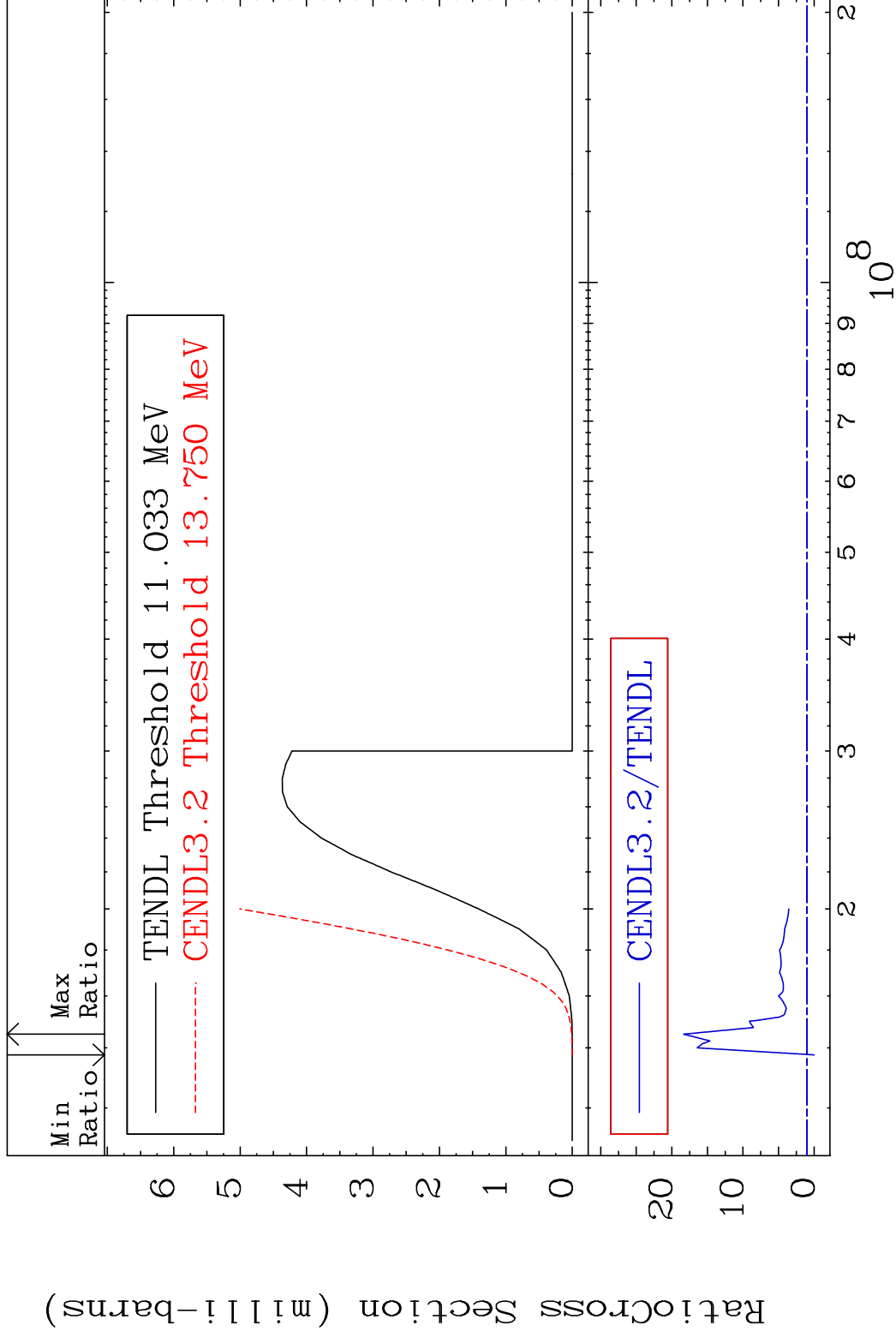
30-Zn-70

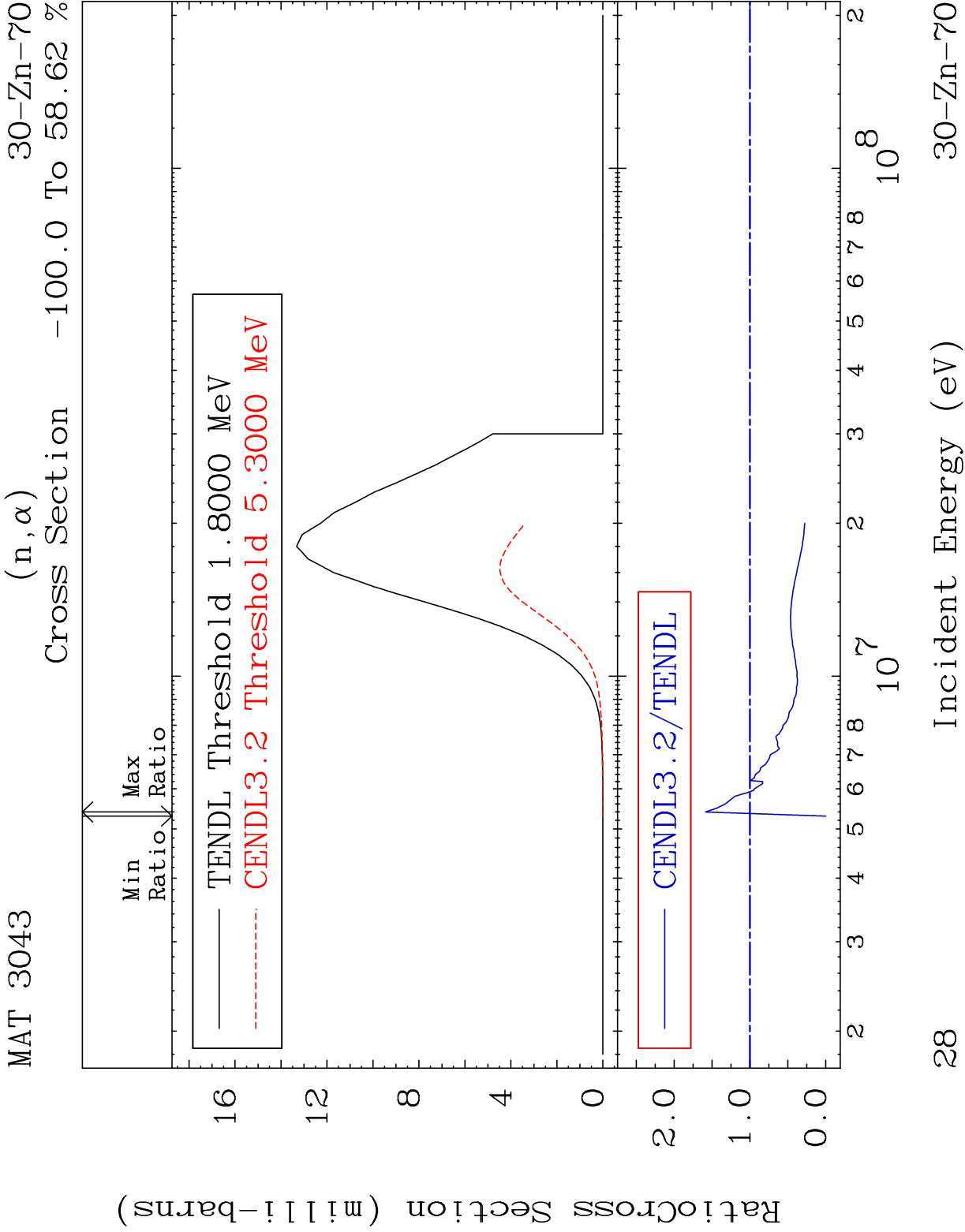
MAT 3043

(n, t)

30-Zn-70

Cross Section -100.0 To 1734. %

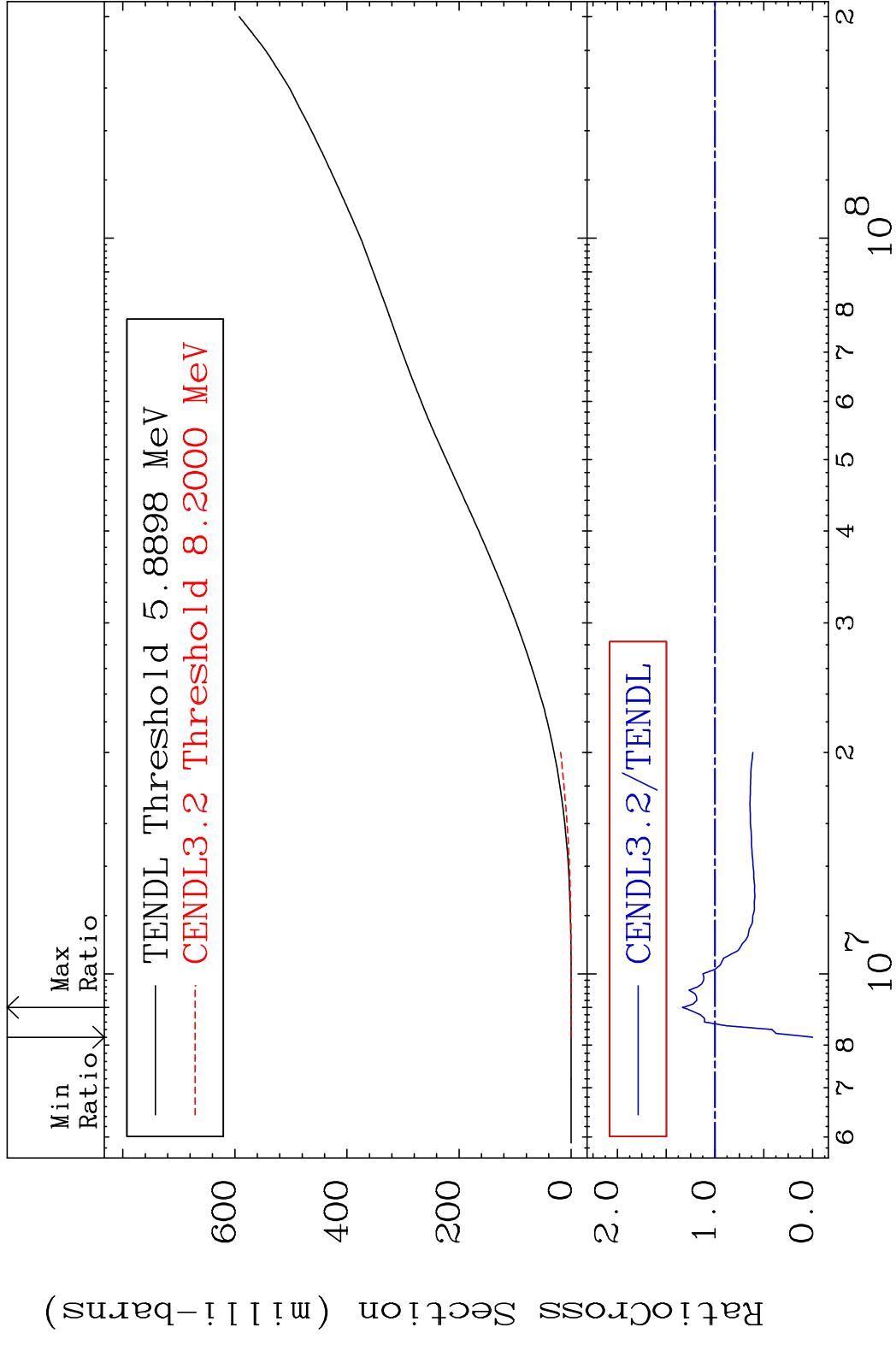




MAT 3043

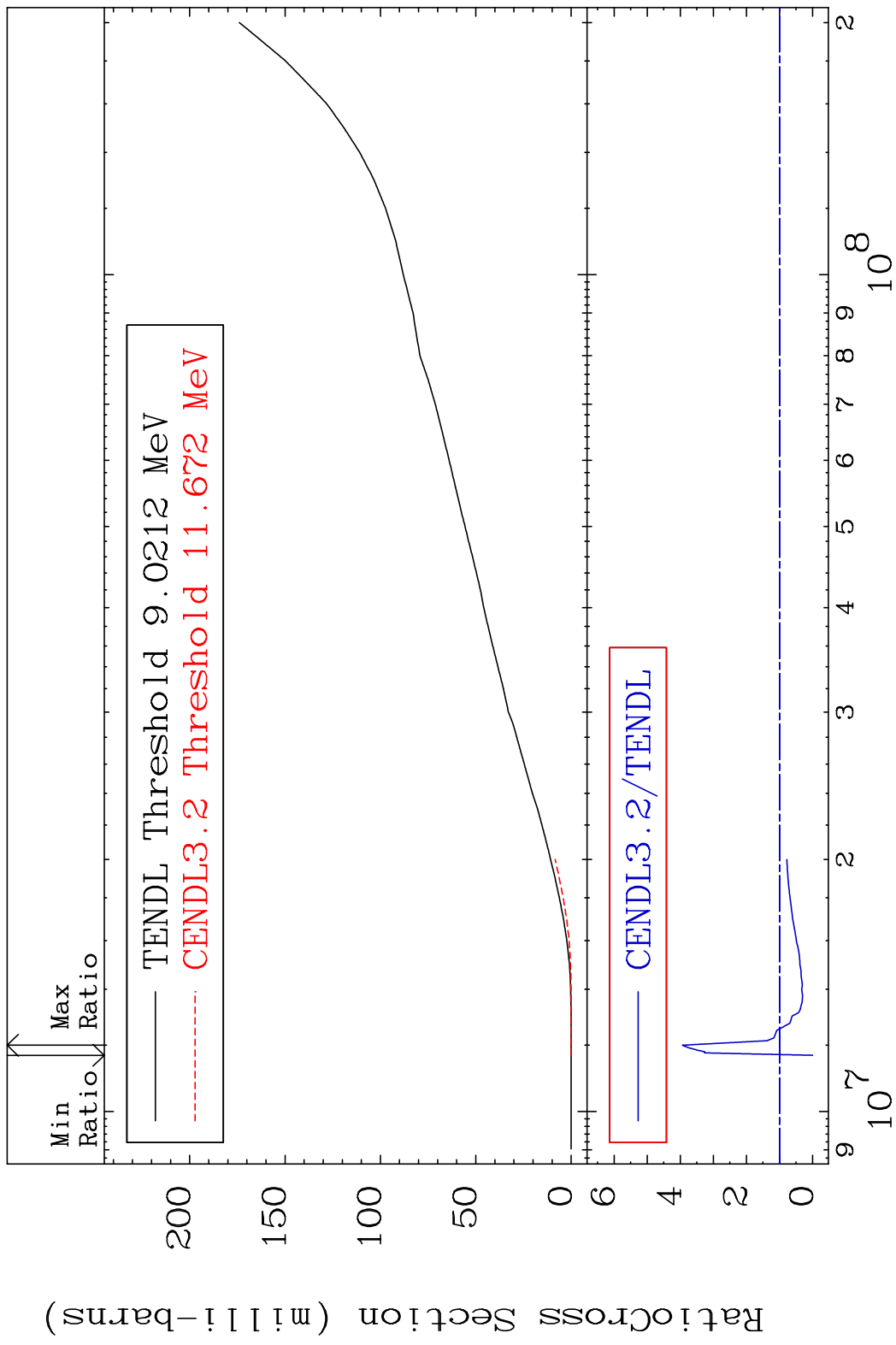
Hydrogen Production
Cross Section -100.0 To 33.44 %

30-Zn-70



29

MAT 3043 Deuterium Production 30-Zn-70
 Cross Section -100.0 To 293.6 %

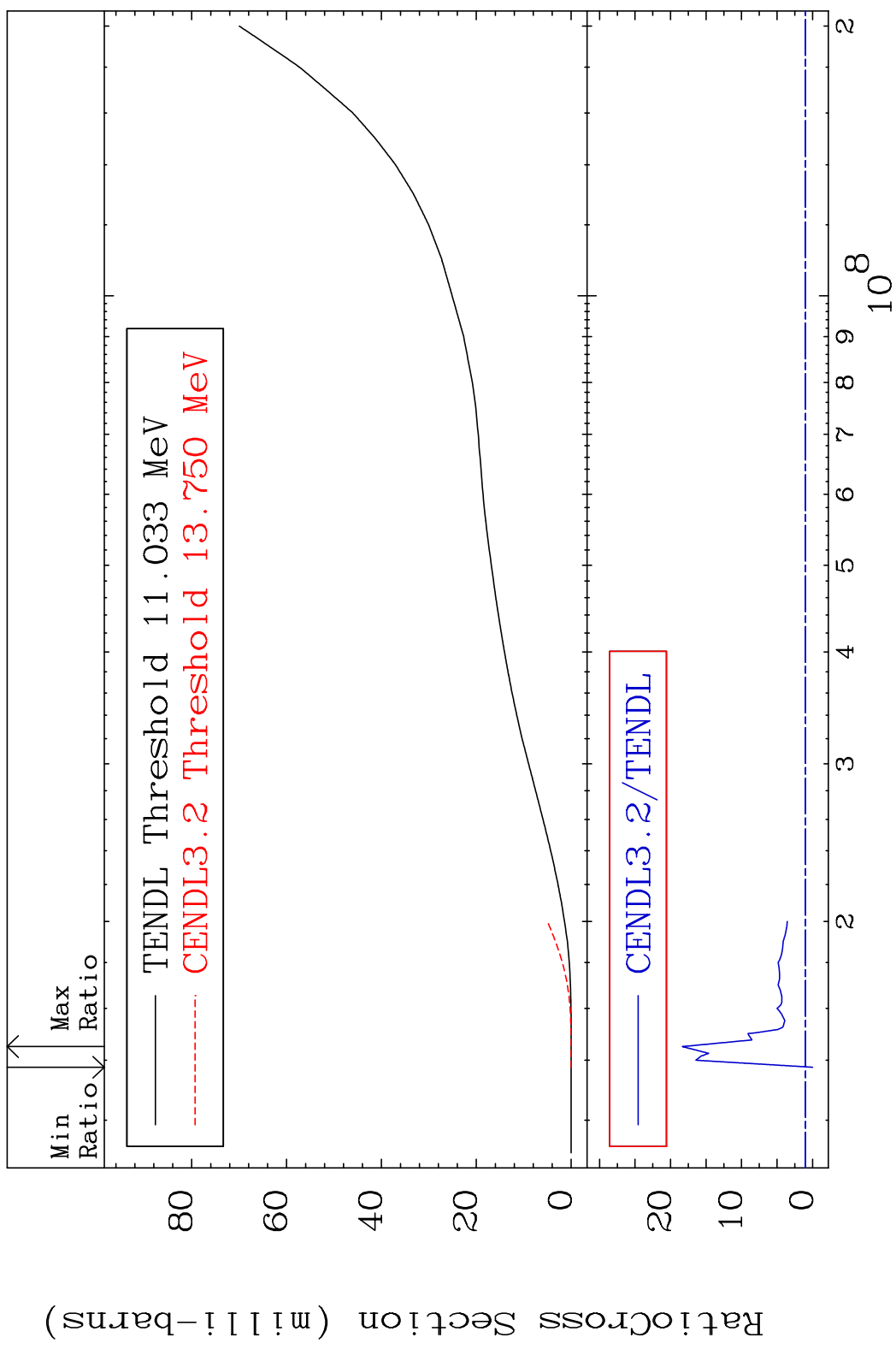


MAT 3043

Tritium Production

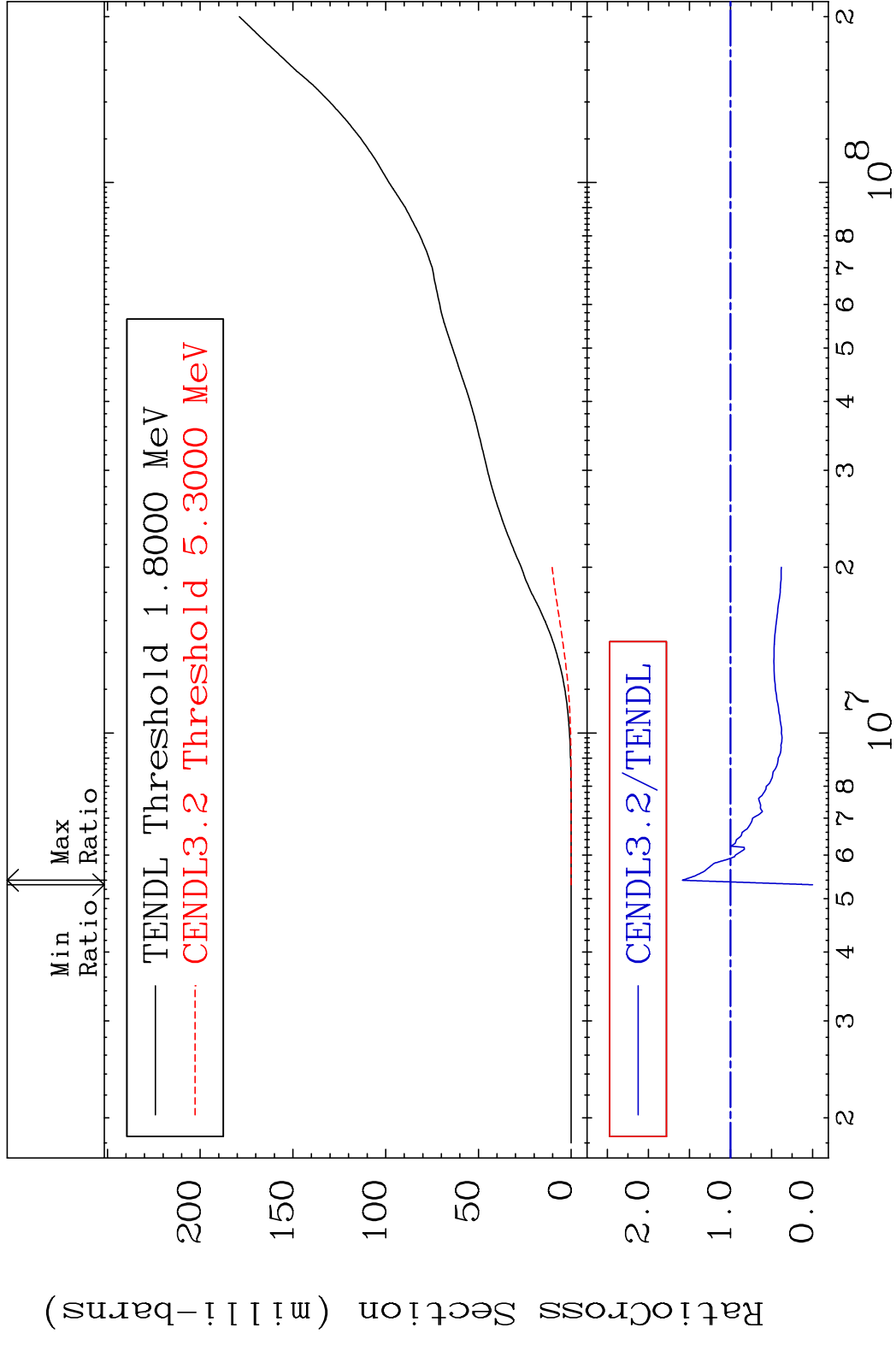
30-Zn-70

Cross Section -100.0 To 1734. %



MAT 3043

He-4 Production 30-Zn-70
Cross Section -100.0 To 58.62 %

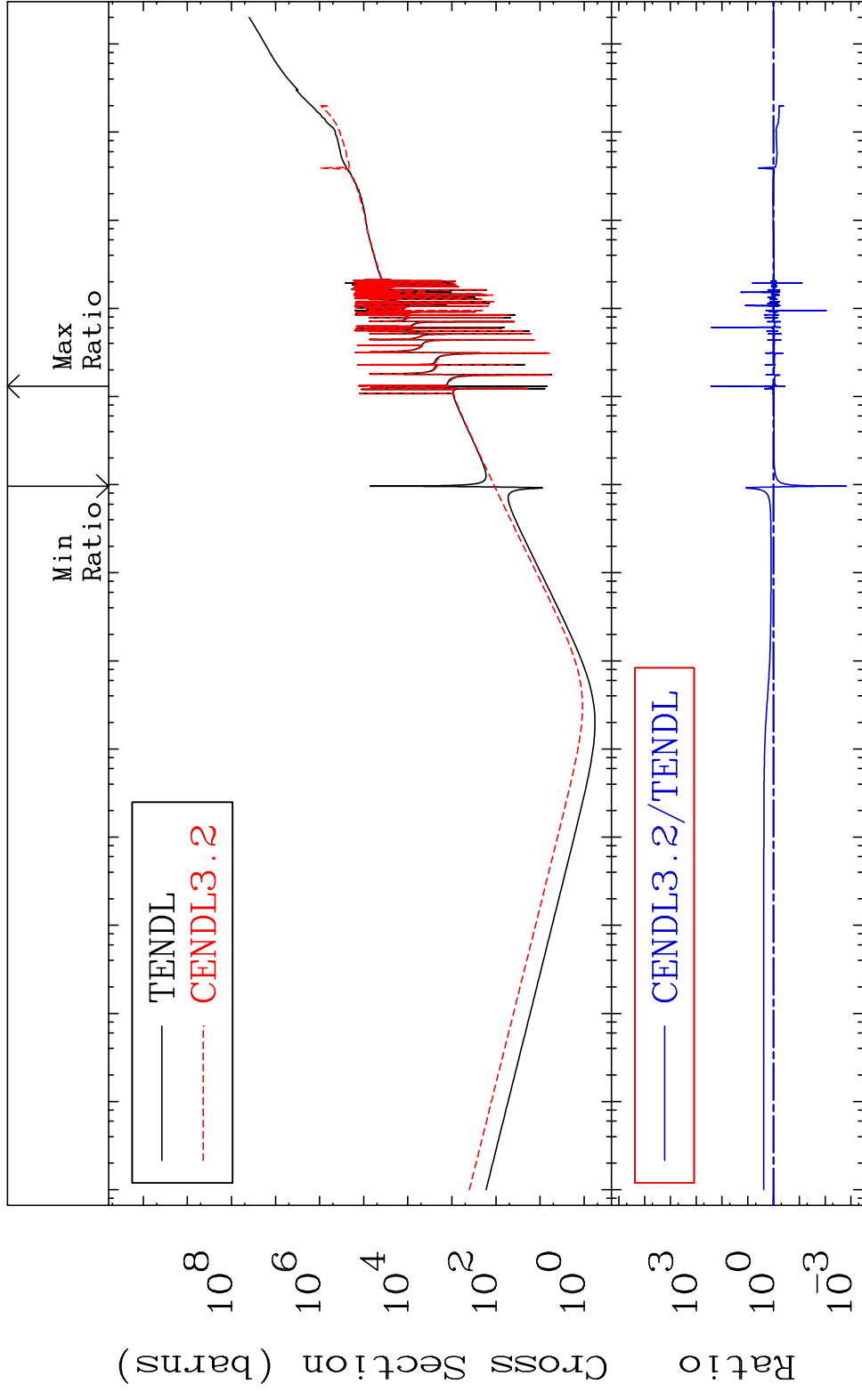


32

Incident Energy (eV)

30-Zn-70

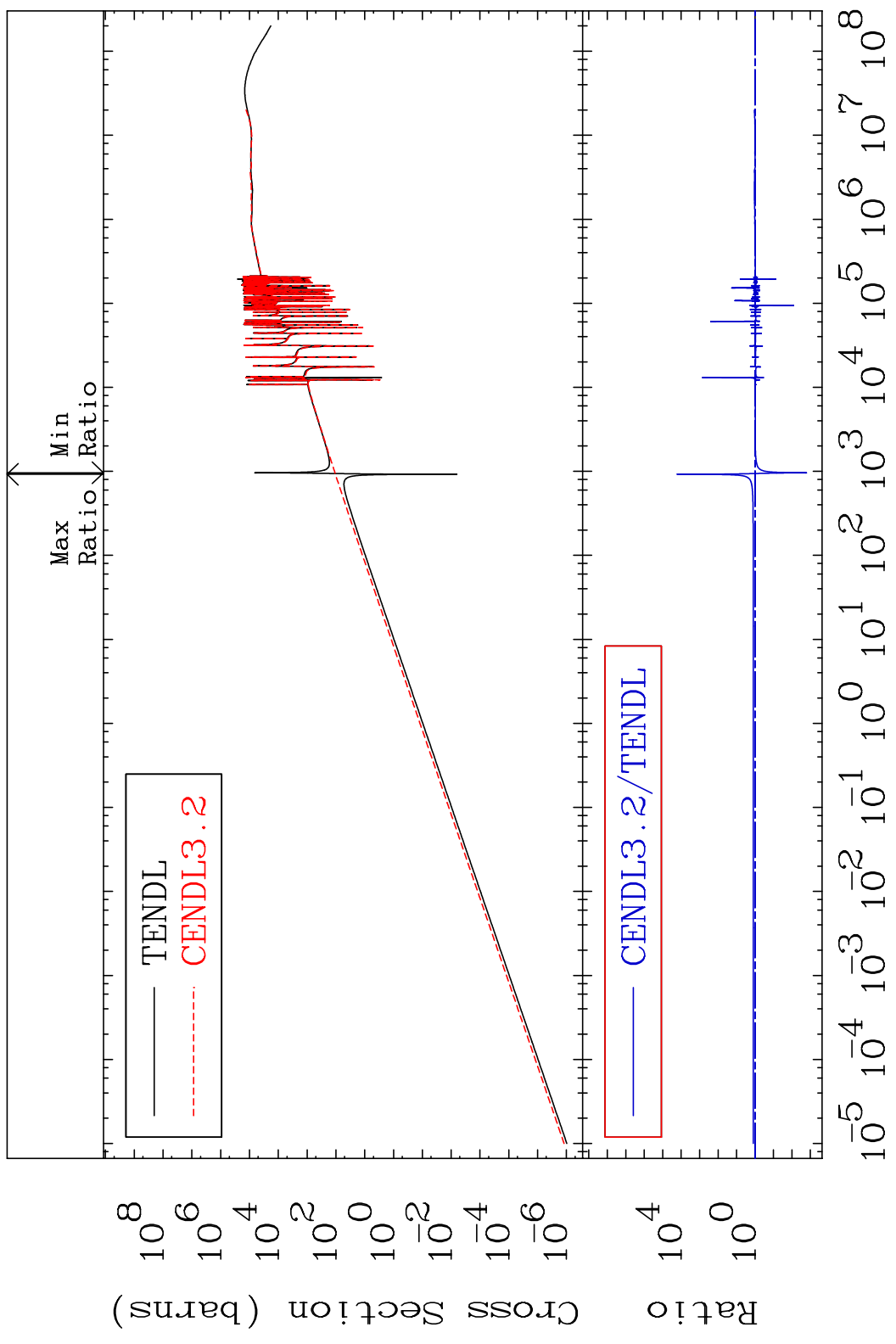
MAT 3043 Kerma total (eV-barns) 30-Zn-70
 Cross Section -99.85 To 9999. %



33 Incident Energy (eV) 30-Zn-70

MAT 3043

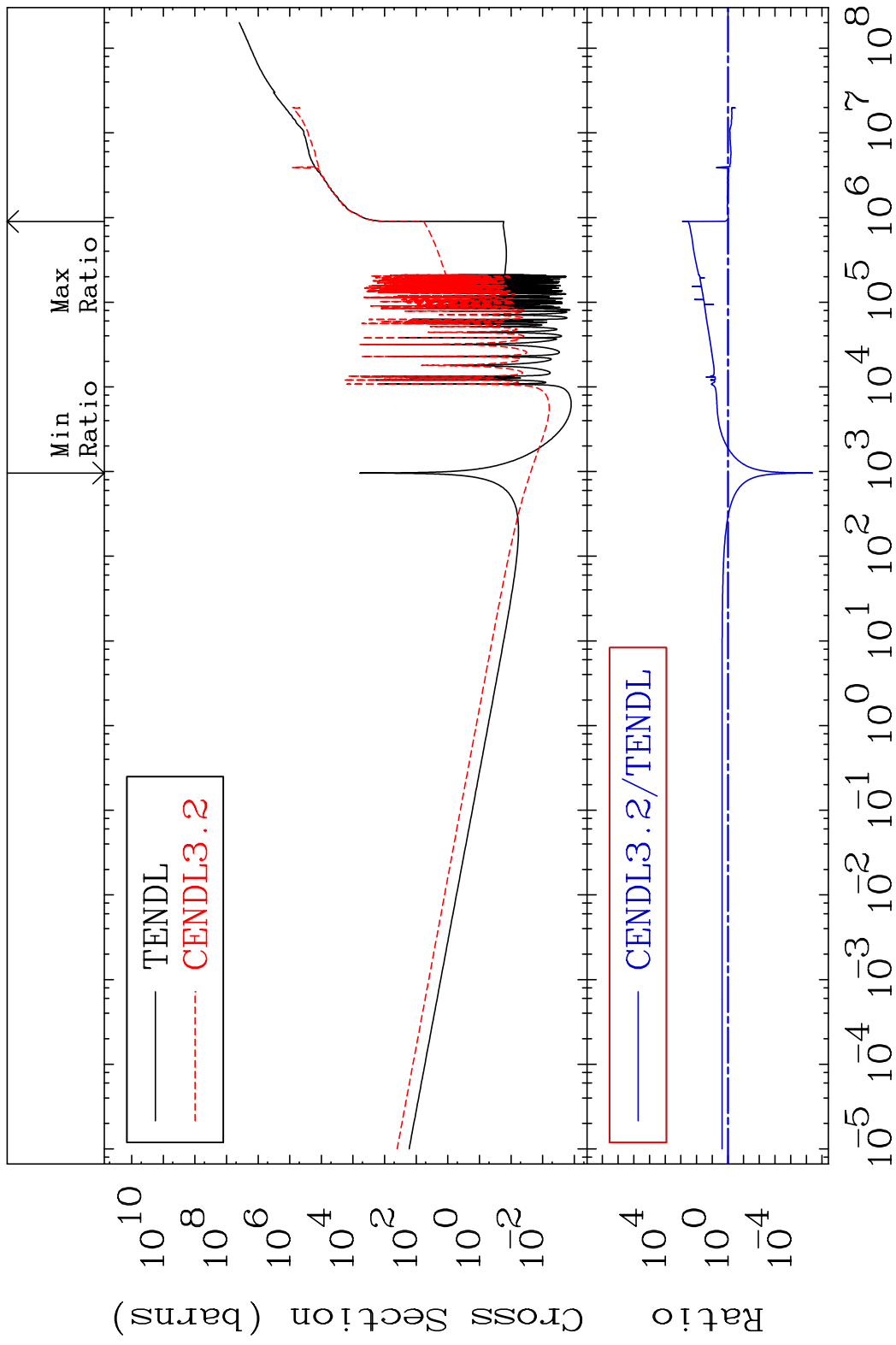
Kerma elastic Cross Section -99.84 To 9999. %
30-Zn-70



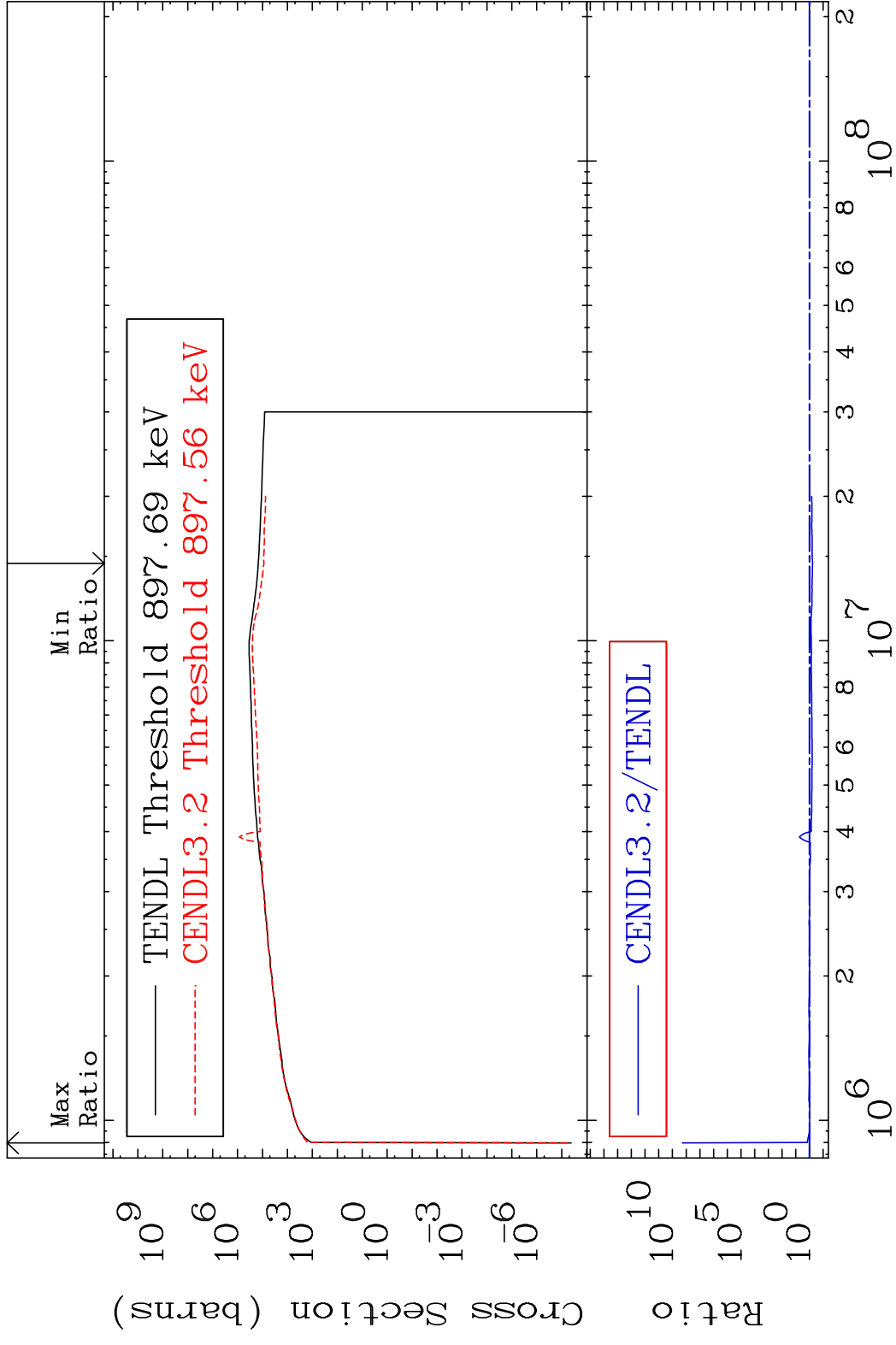
34

Incident Energy (eV) 30-Zn-70

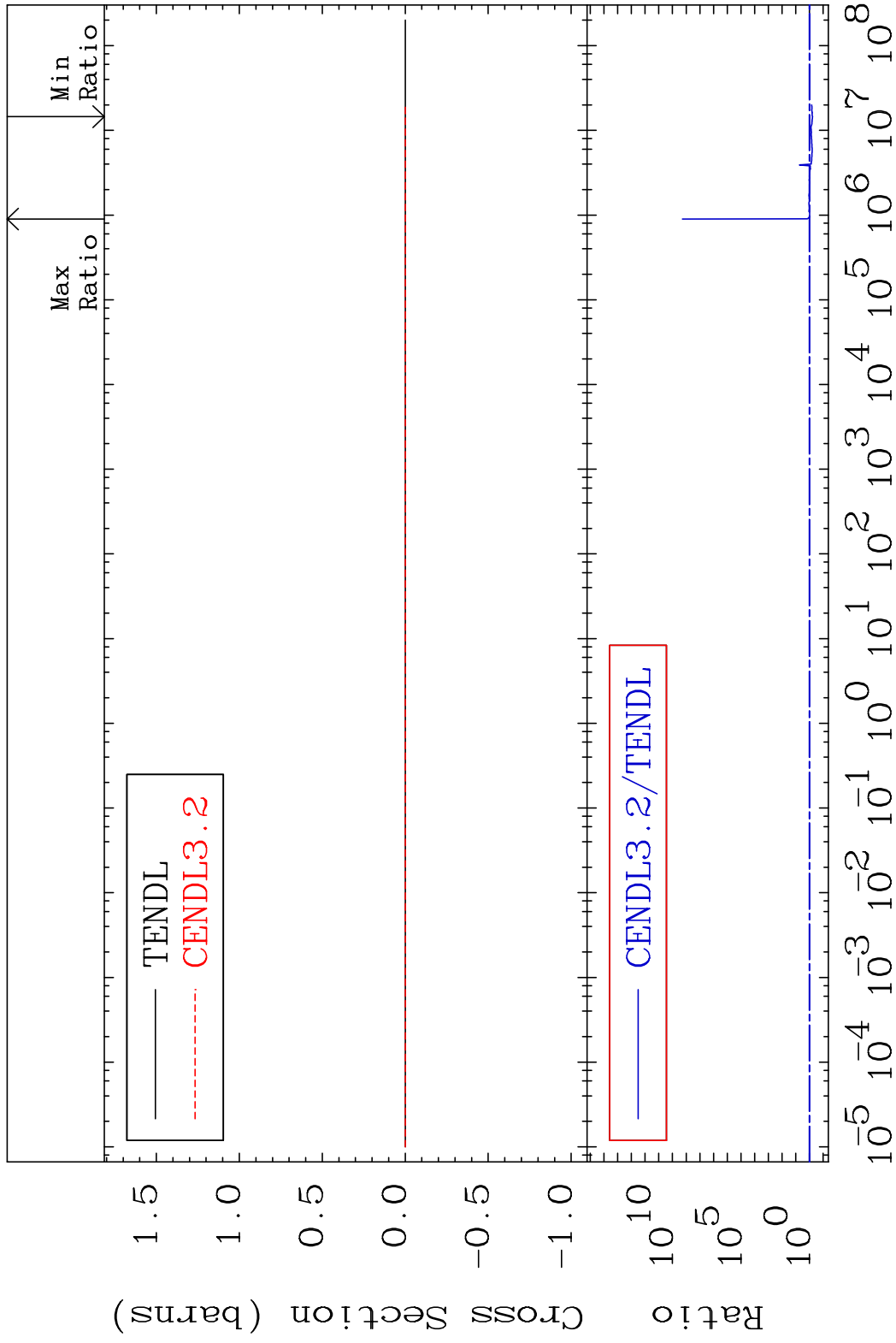
MAT 3043 Kerma non-elastic (all but mt2) 30-Zn-70
 Cross Section -100.0 To 9999. %



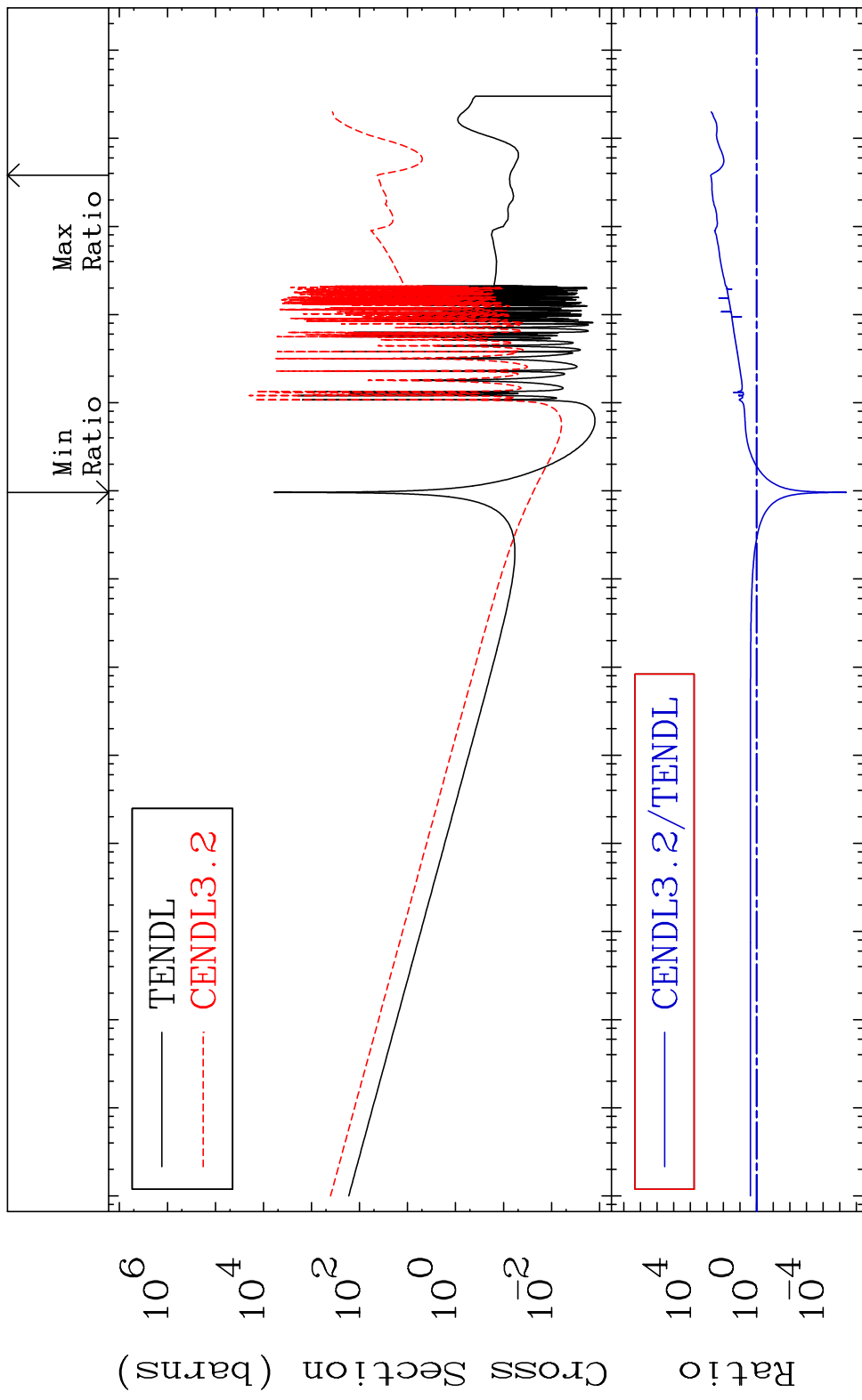
MAT 3043 Kerma inelastic (mt51-91) 30-Zn-70
 Cross Section -40.14 To 9999. %



MAT 3043 Kerma fission (mt18 or mt19-20-21-38) 30-Zn-70
 Cross Section -40.14 To 9999. %

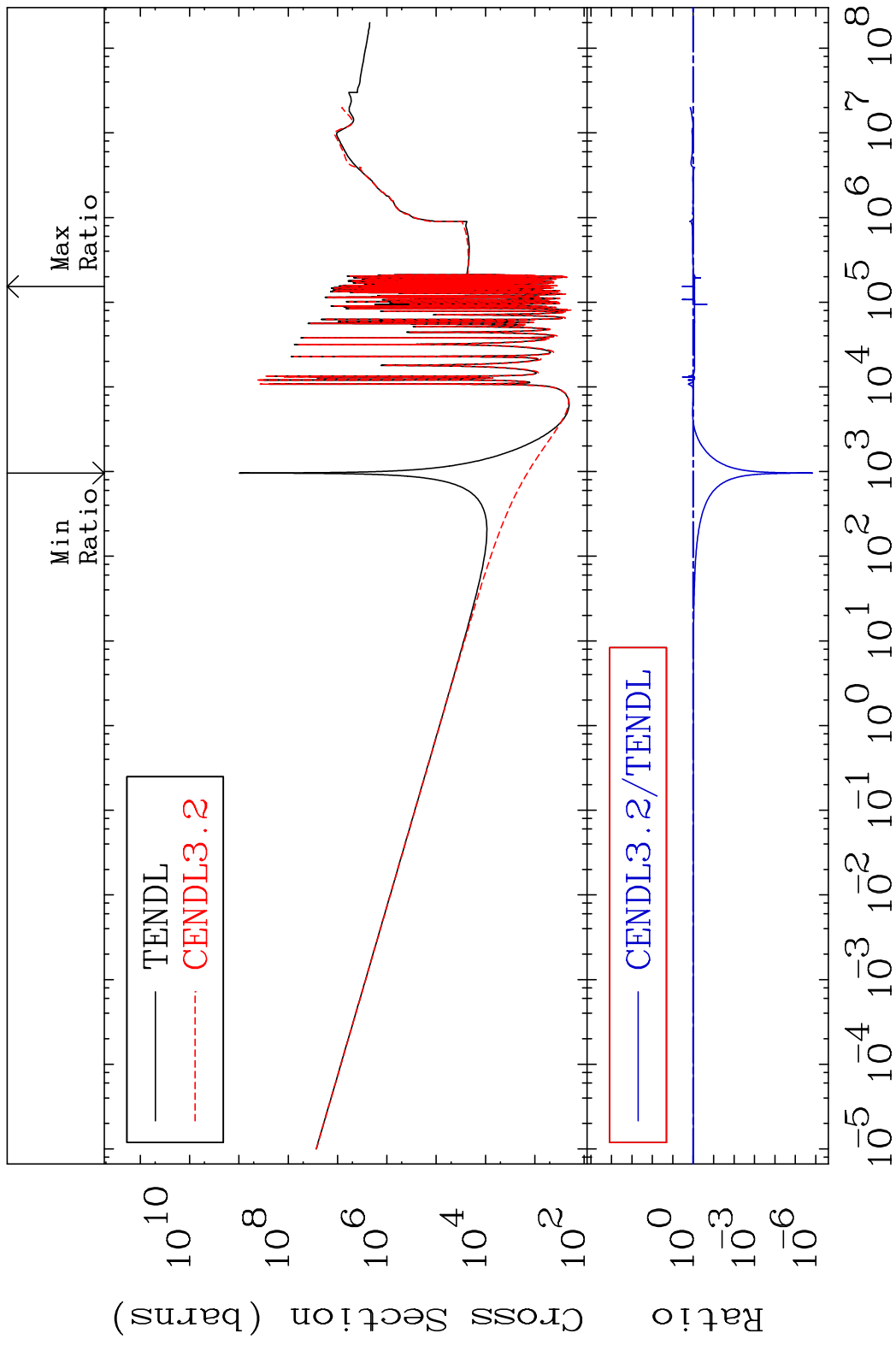


MAT 3043 Kerma capture (mt102) 30-Zn-70
 Cross Section -100.0 To 9999. %



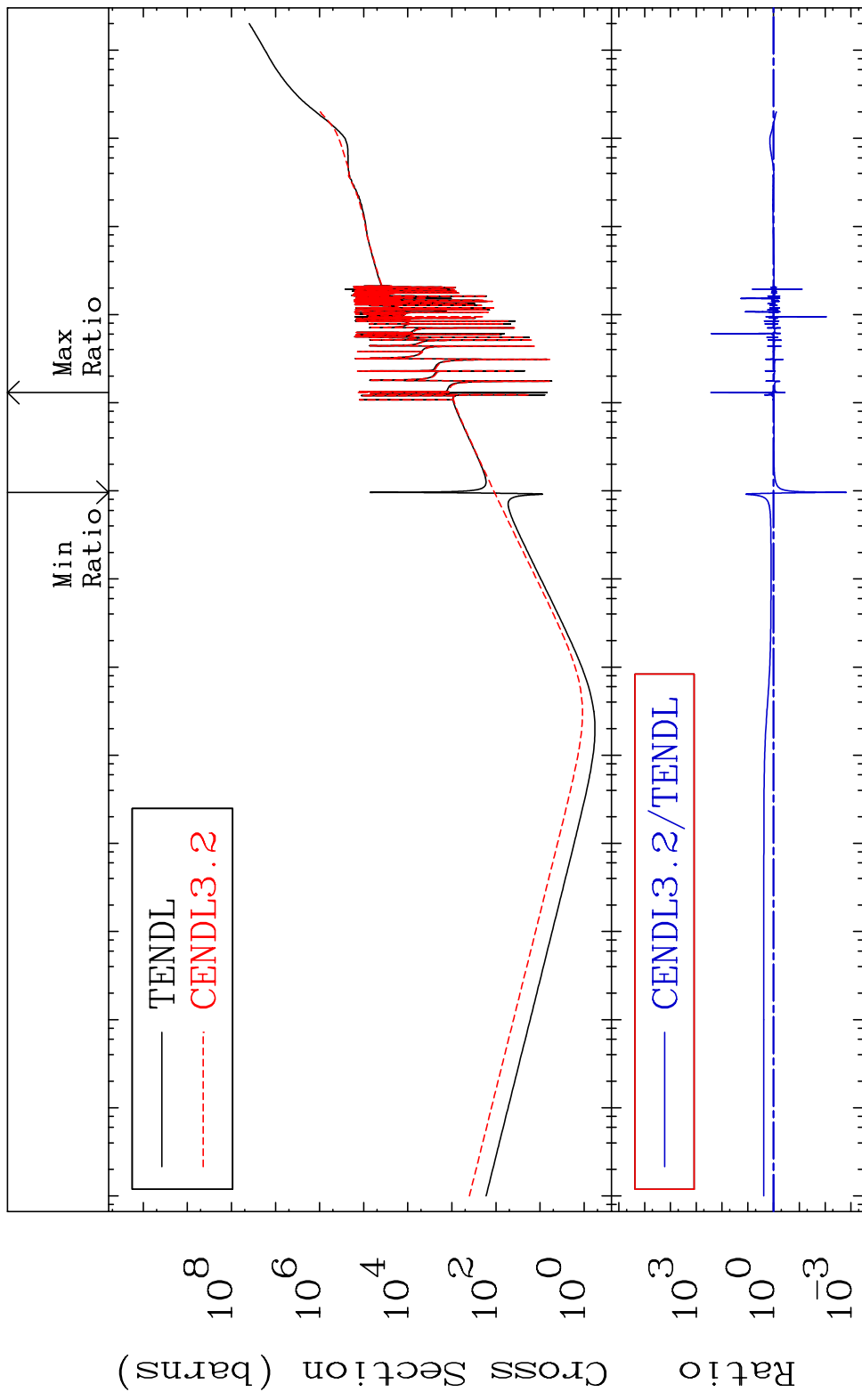
38 Incident Energy (eV) 30-Zn-70

MAT 3043 Total photon (eV-barns) 30-Zn-70
 Cross Section -100.0 To 239.2 %



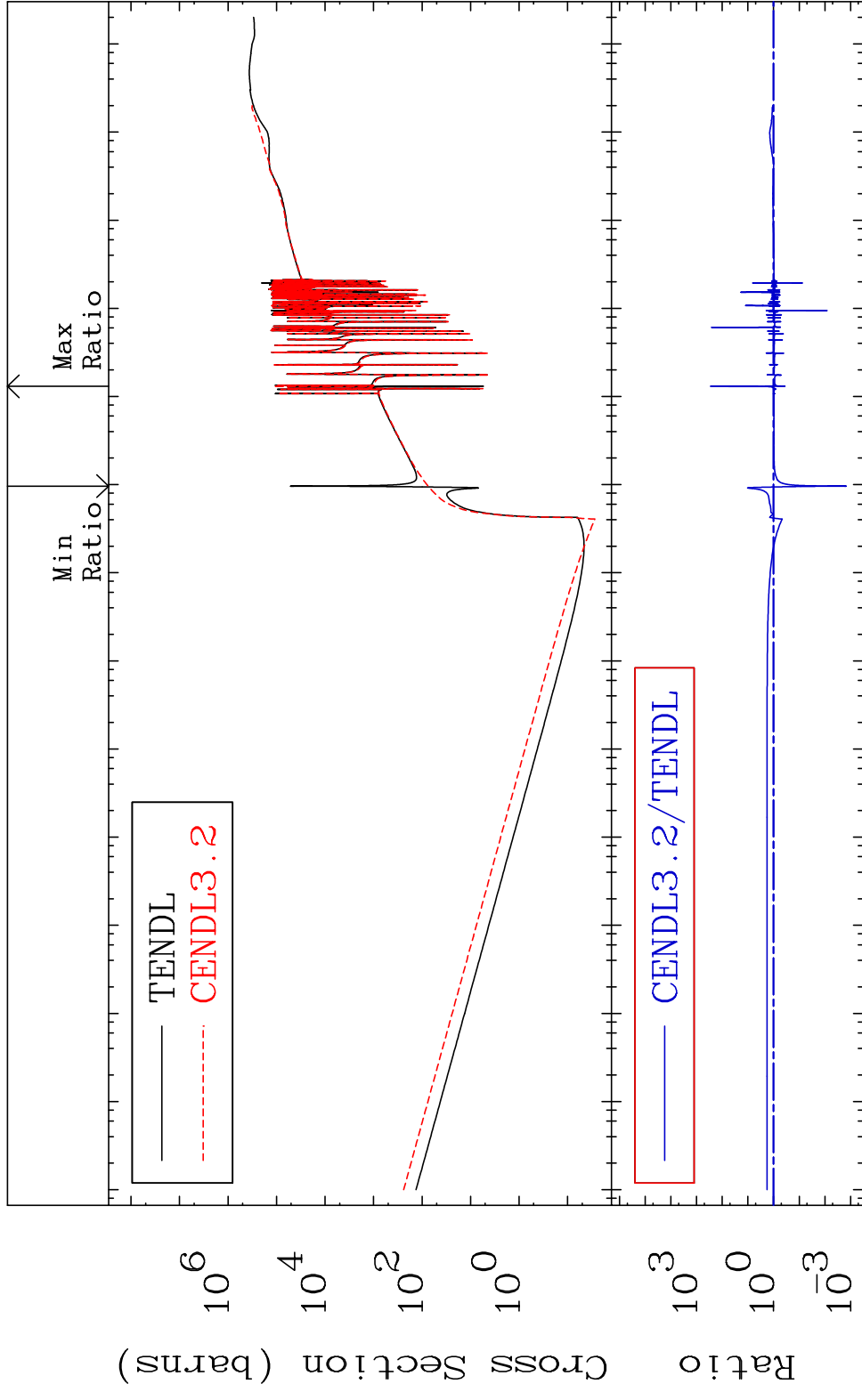
39 Incident Energy (eV) 30-Zn-70

MAT 3043 Total kinematic kerma (high limit) 30-Zn-70
 Cross Section -99.85 To 9999. %



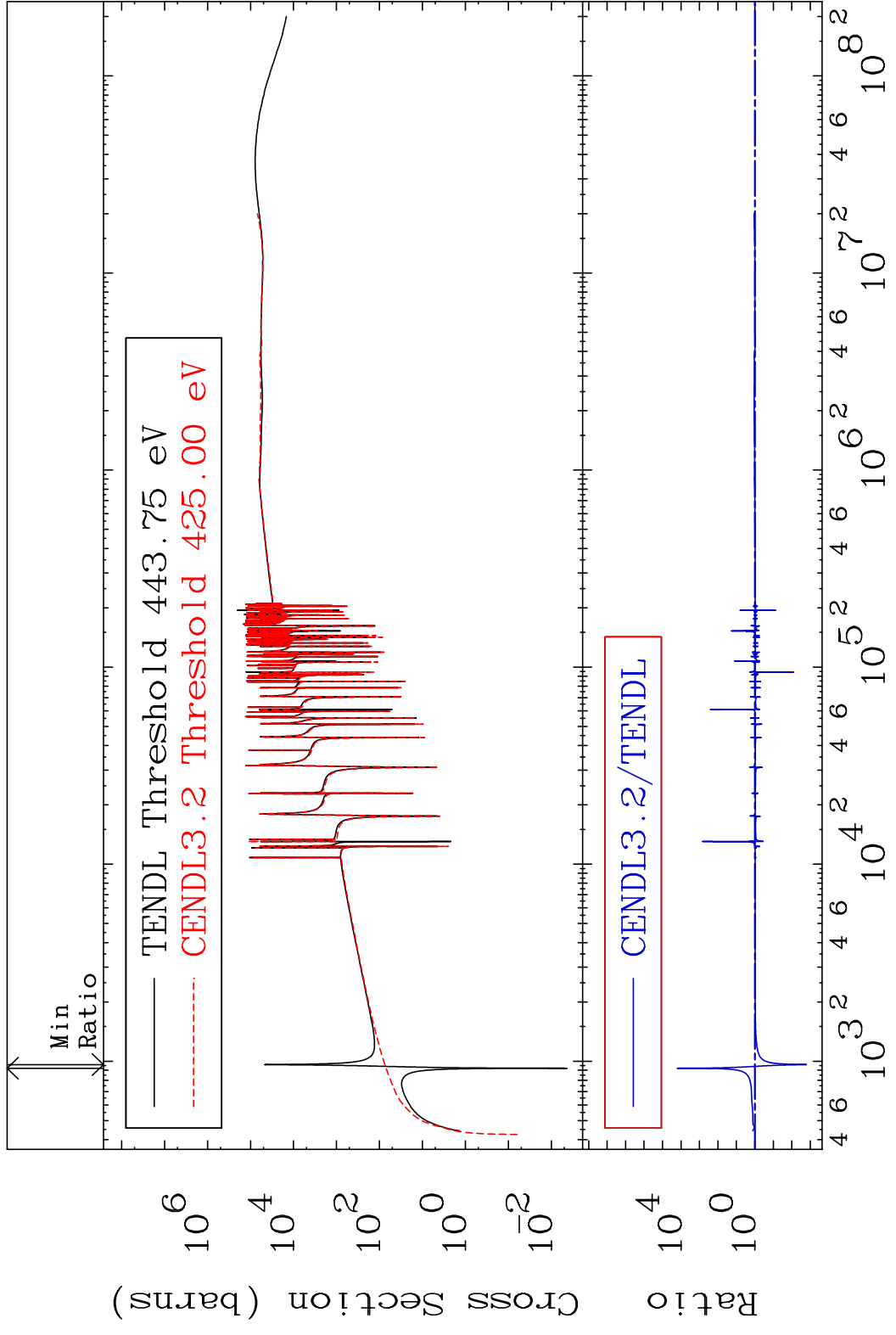
40 Incident Energy (eV) 30-Zn-70

MAT 3043 Dpa total (eV-barns) 30-Zn-70
 Cross Section -99.85 To 9999. %

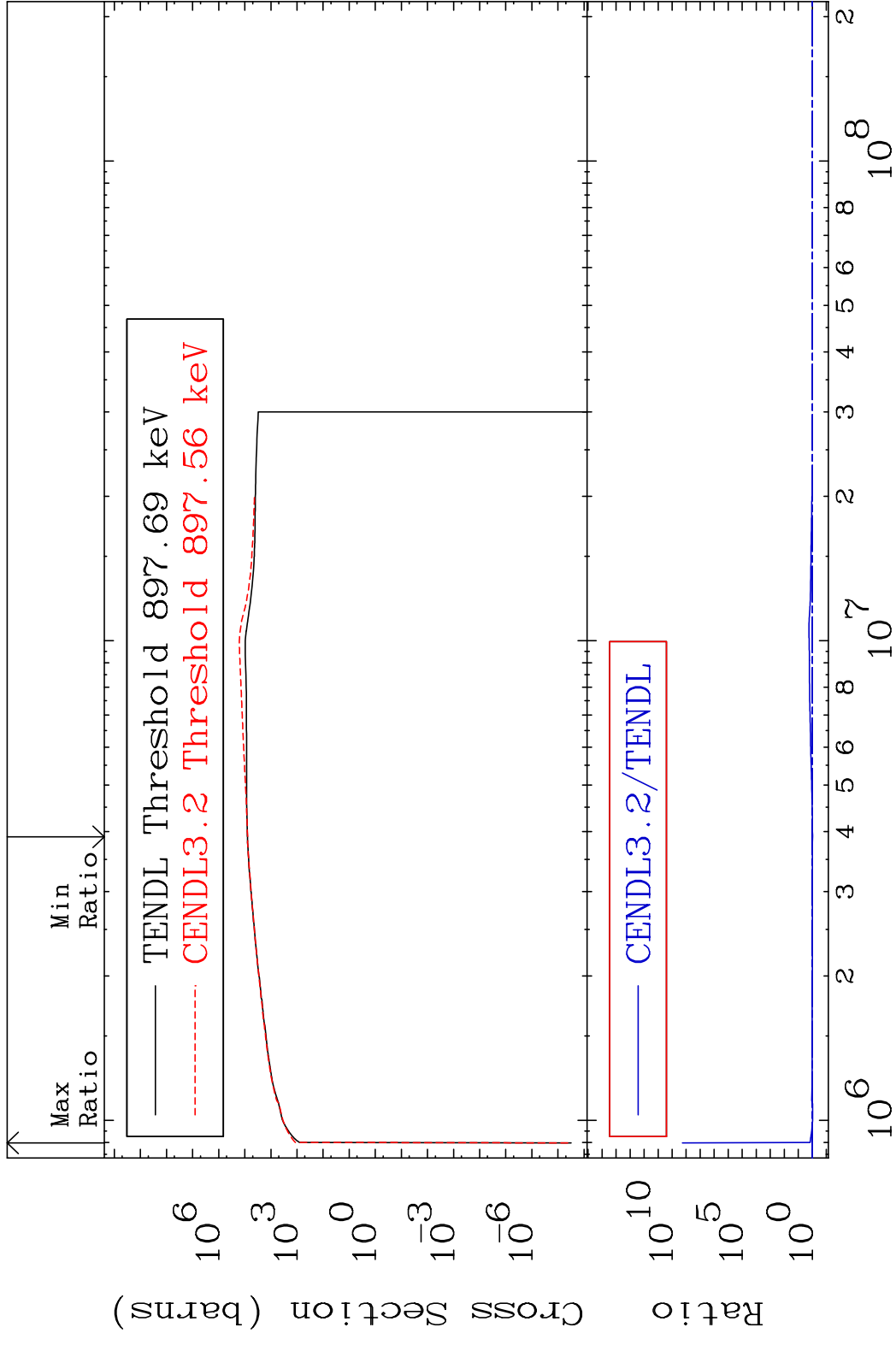


41 Incident Energy (eV) 30-Zn-70

MAT 3043 Dpa elastic (mt2) 30-Zn-70
 Cross Section -99.84 To 9999. %

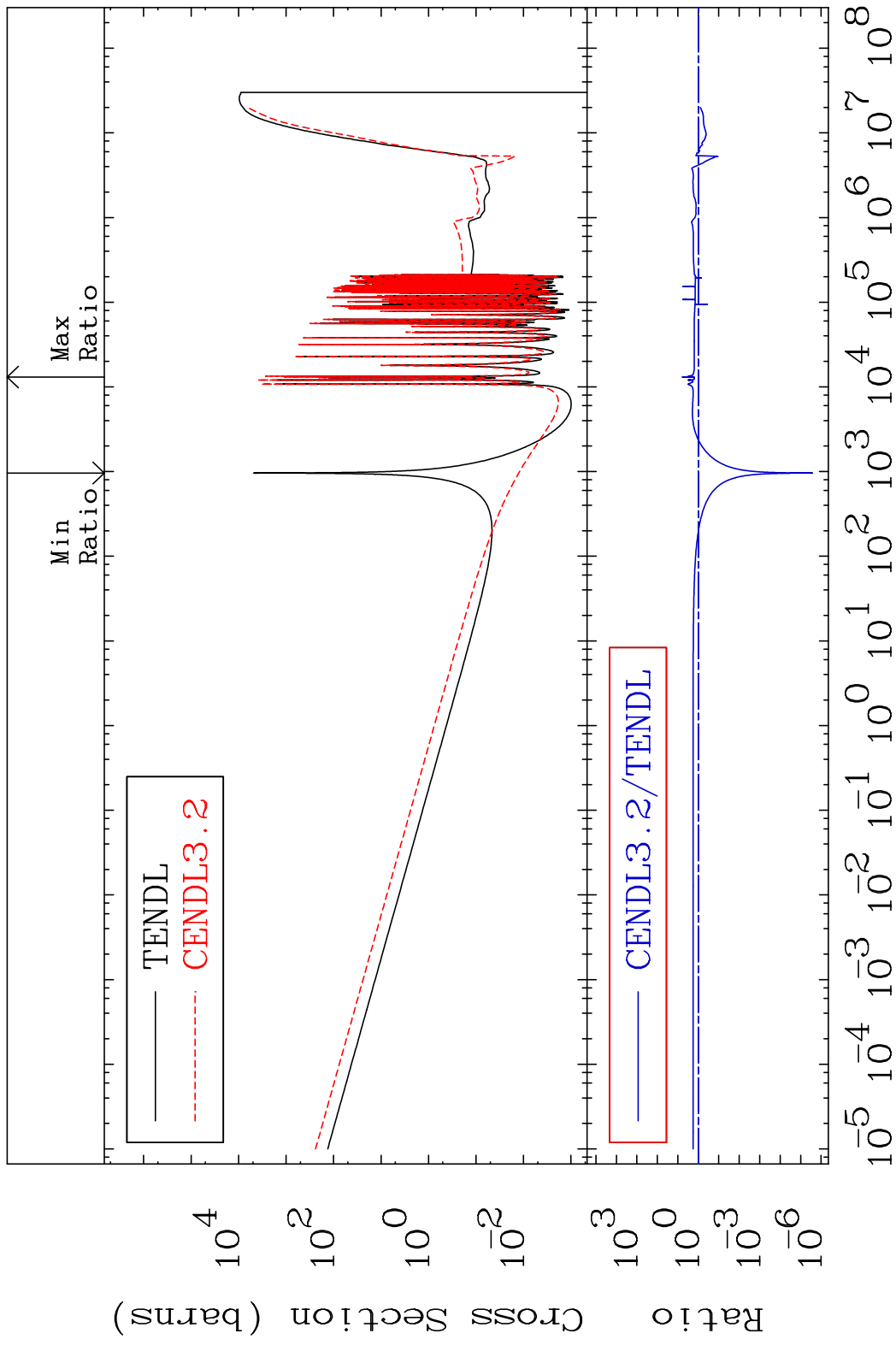


MAT 3043 Dpa inelastic (mt51-91) 30-Zn-70
 Cross Section -3.969 To 9999. %

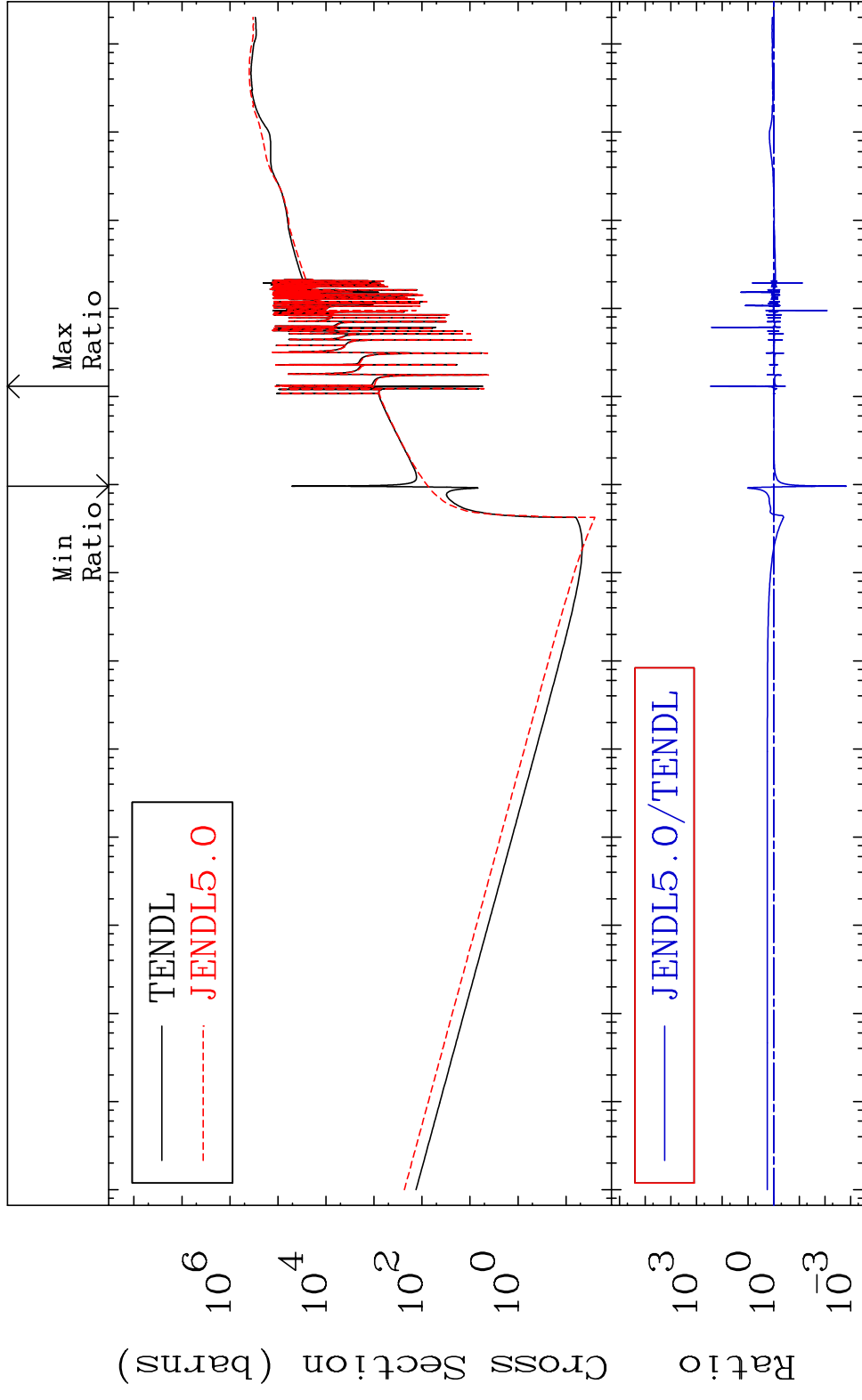


43 Incident Energy (eV) 30-Zn-70

MAT 3043 Dpa disappearance (mt102 -120) 30-Zn-70
 Cross Section -100.0 To 499.3 %



MAT 3043 Dpa total (eV-barns) 30-Zn-70
 Cross Section -99.85 To 9999. %



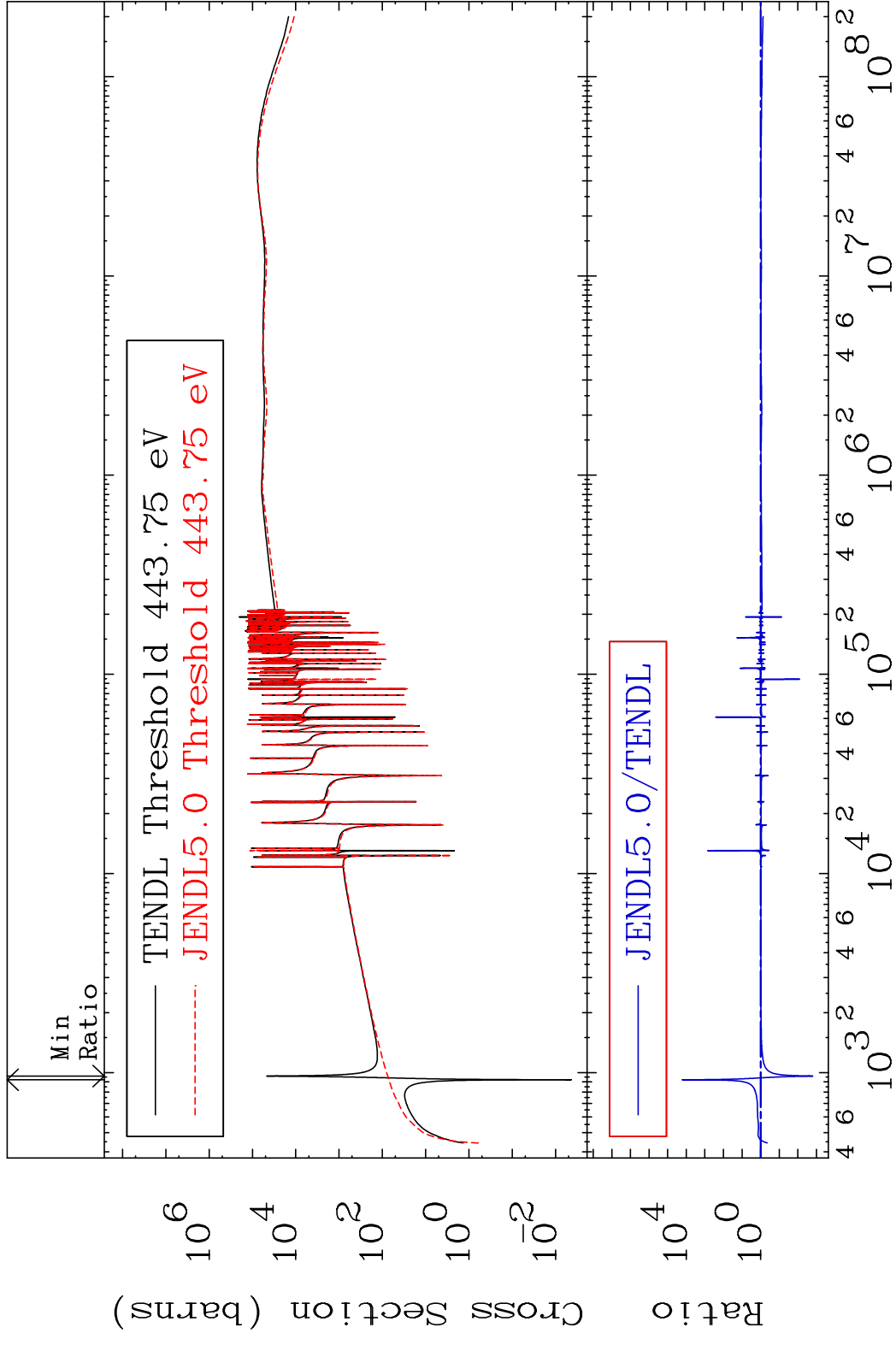
45 Incident Energy (eV) 30-Zn-70

MAT 3043

Dpa elastic (mt2)

30-Zn-70

Cross Section -99.84 To 9999. %

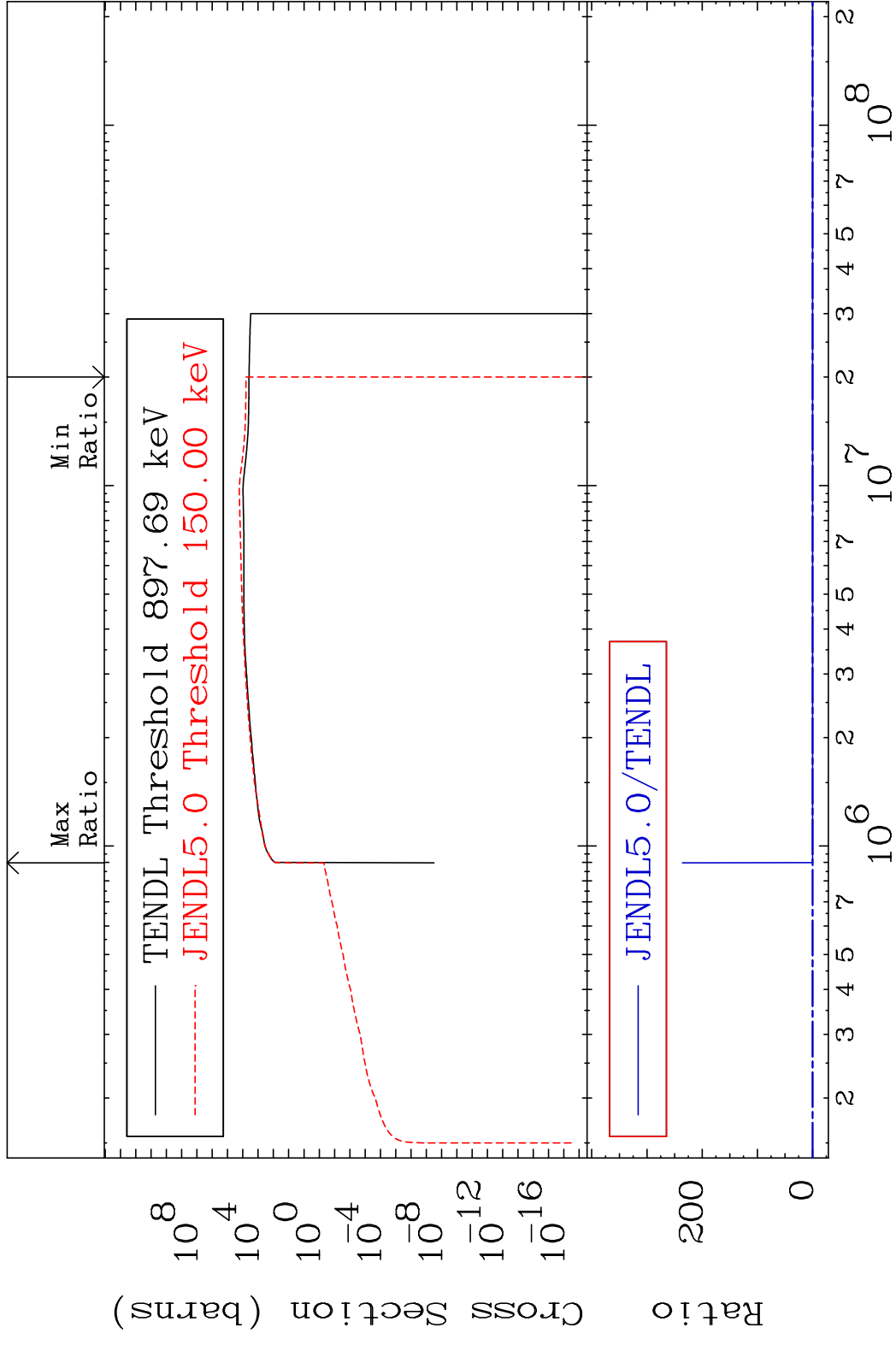


46

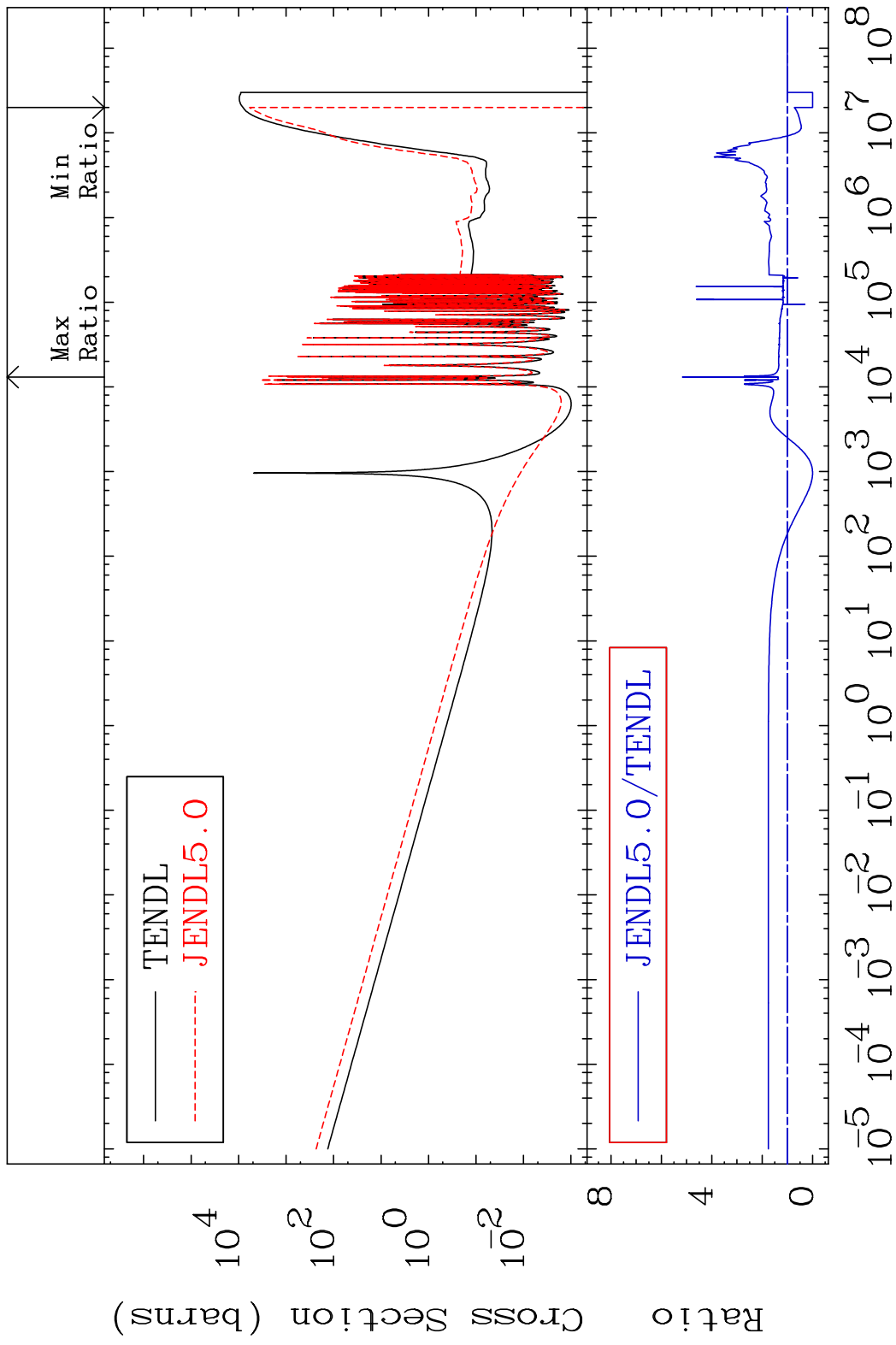
Incident Energy (eV)

30-Zn-70

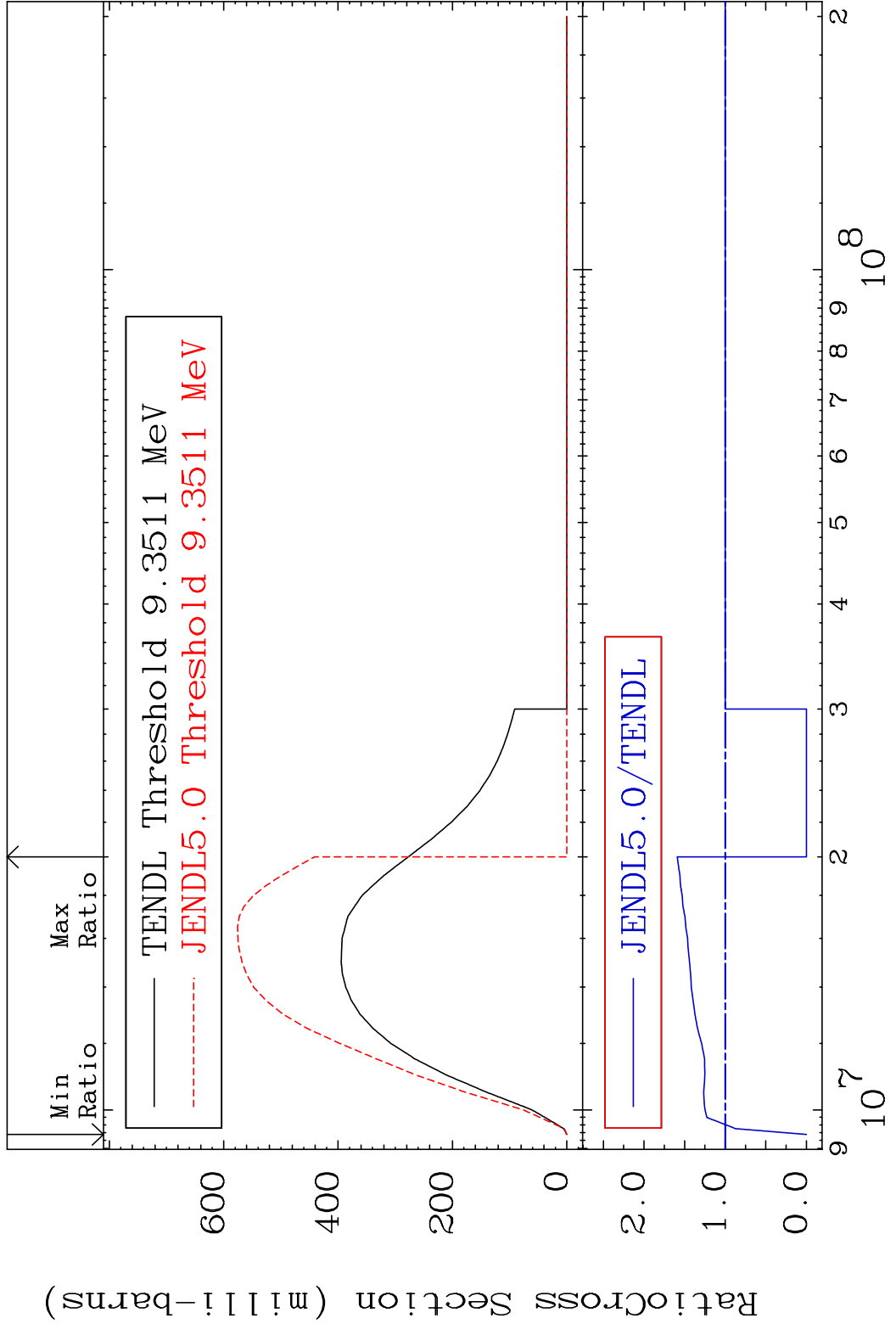
MAT 3043 Dpa inelastic (mt51-91) 30-Zn-70
 Cross Section -100.0 To 9999. %



MAT 3043 Dpa disappearance (mt102 -120) 30-Zn-70
Cross Section -100.0 To 416.7 %

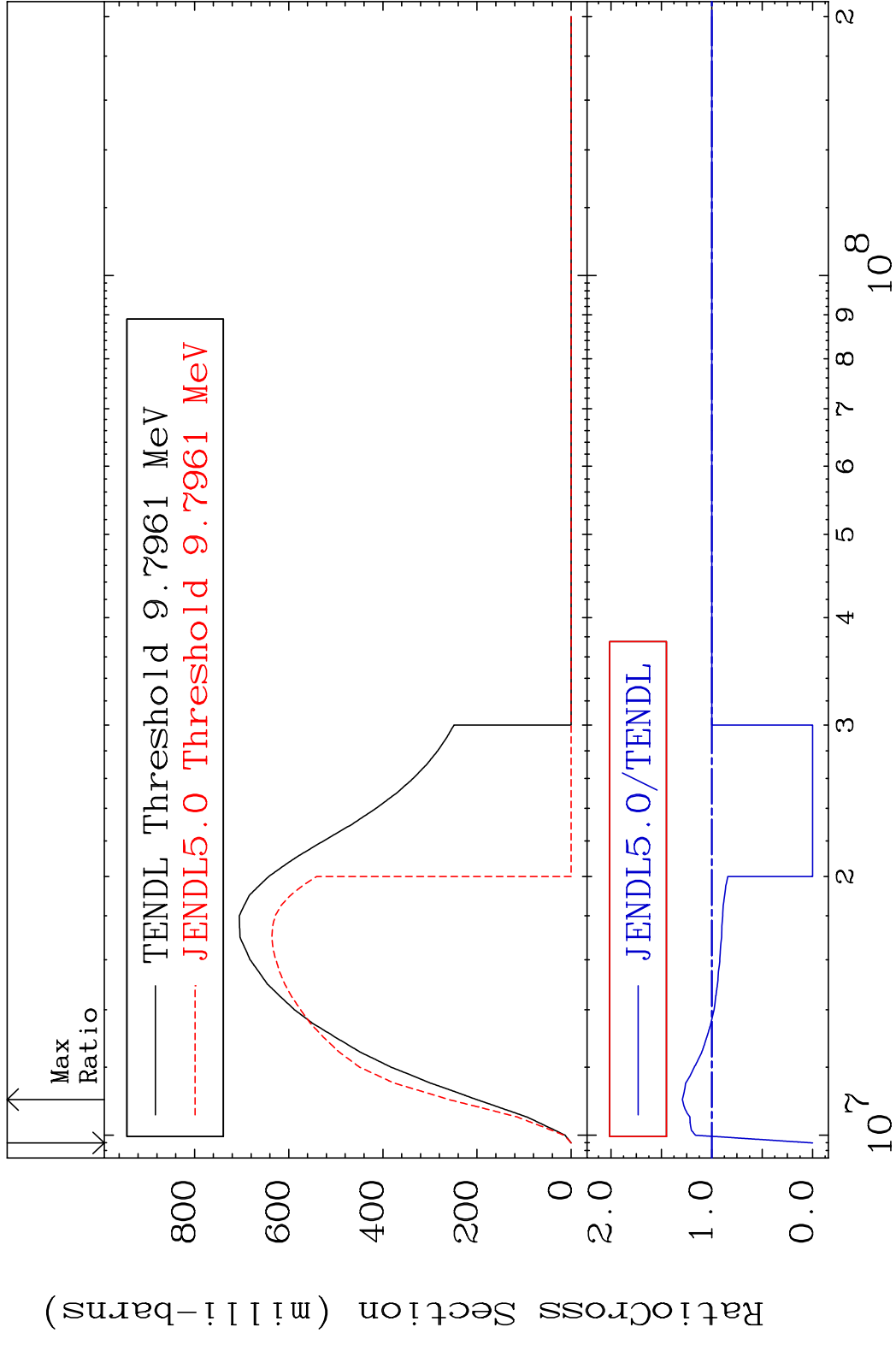


MAT 3043 (n,2n):30-Zn-69g 30-Zn-70
 Radionuclide Production Cross Section 59.12 %

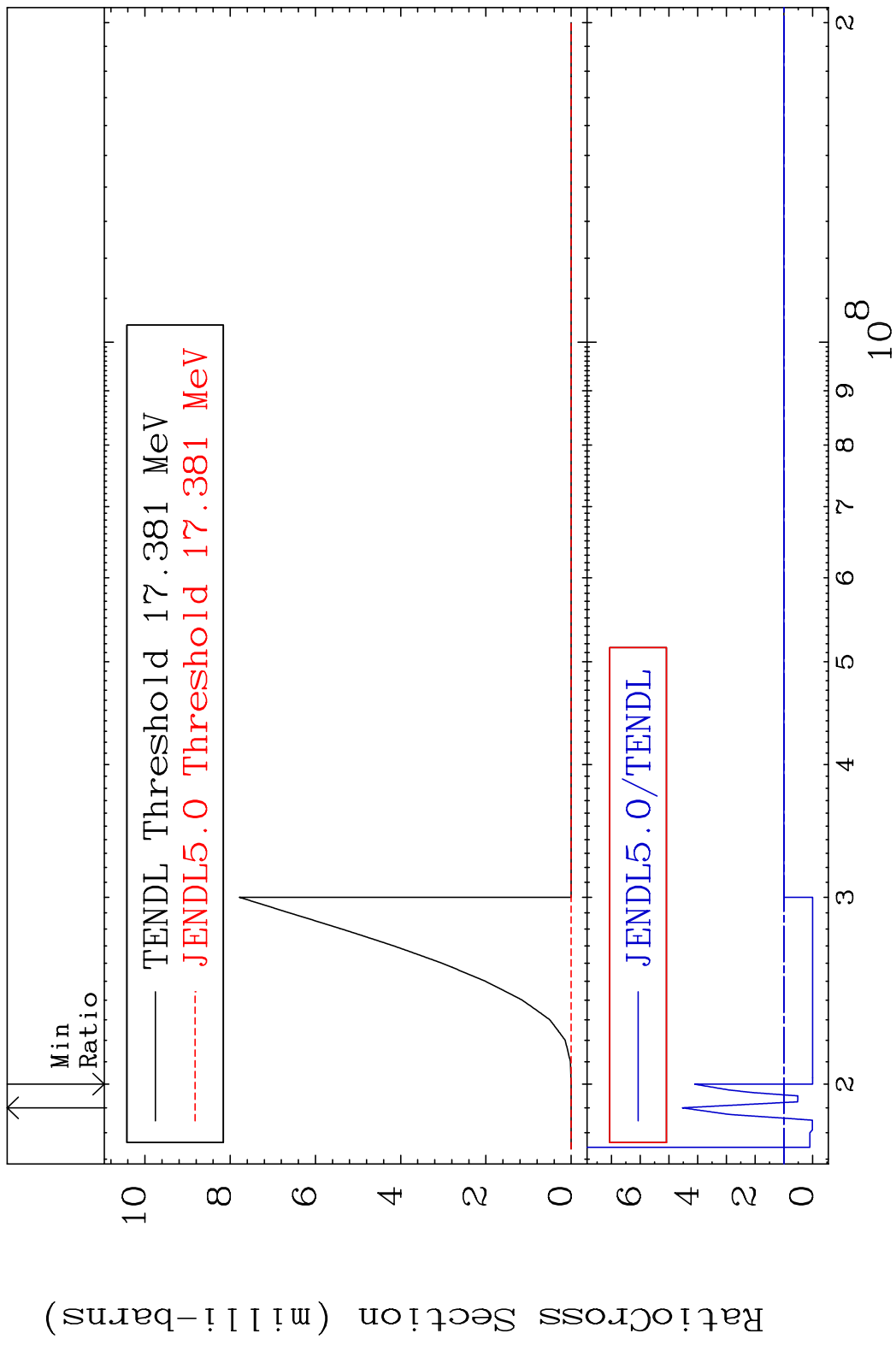


49 30-Zn-70

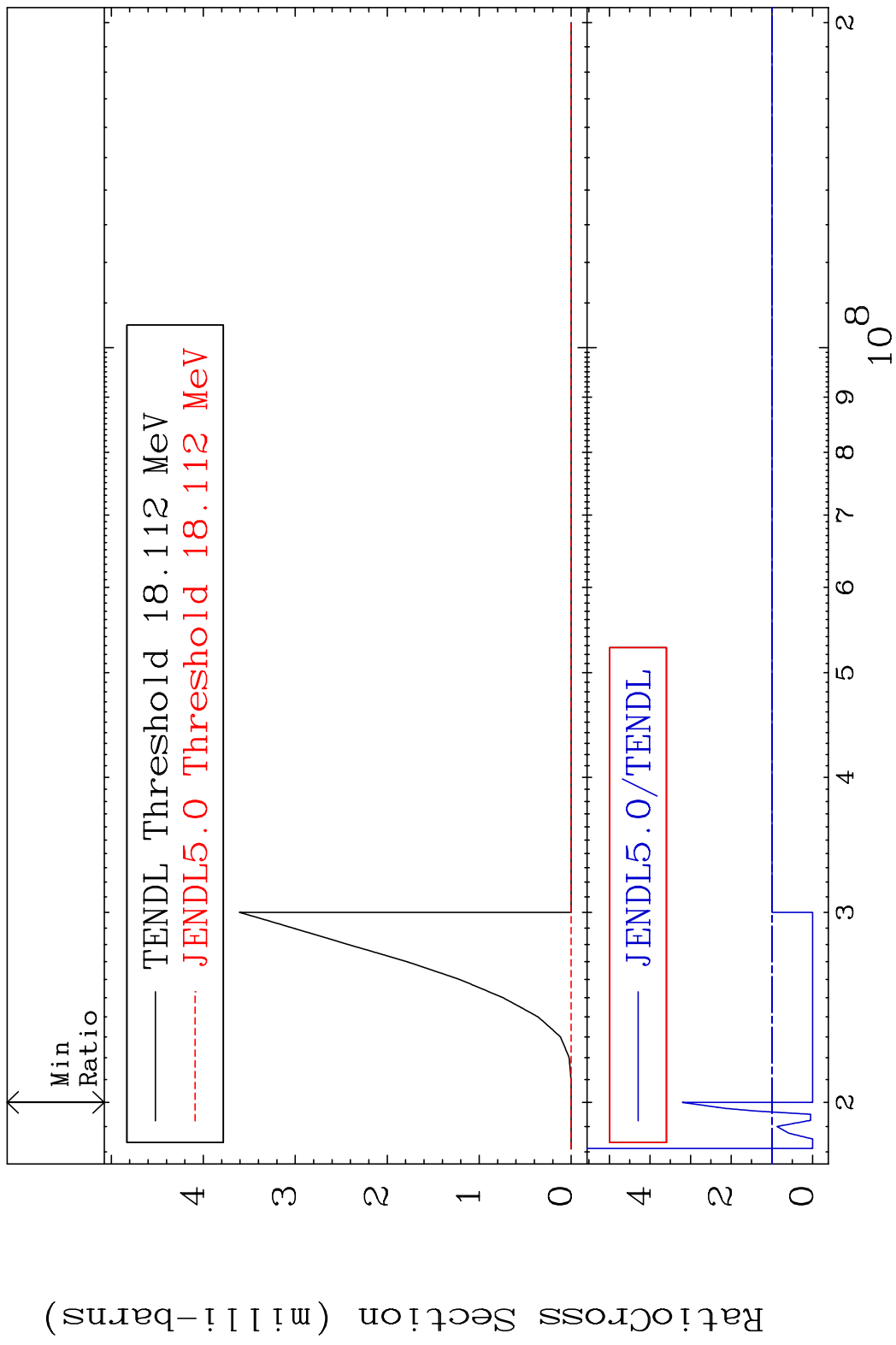
MAT 3043 (n,2n):30-Zn-69m1 30-Zn-70
 Radionuclide Production Cross Section Ratio 29.23 %



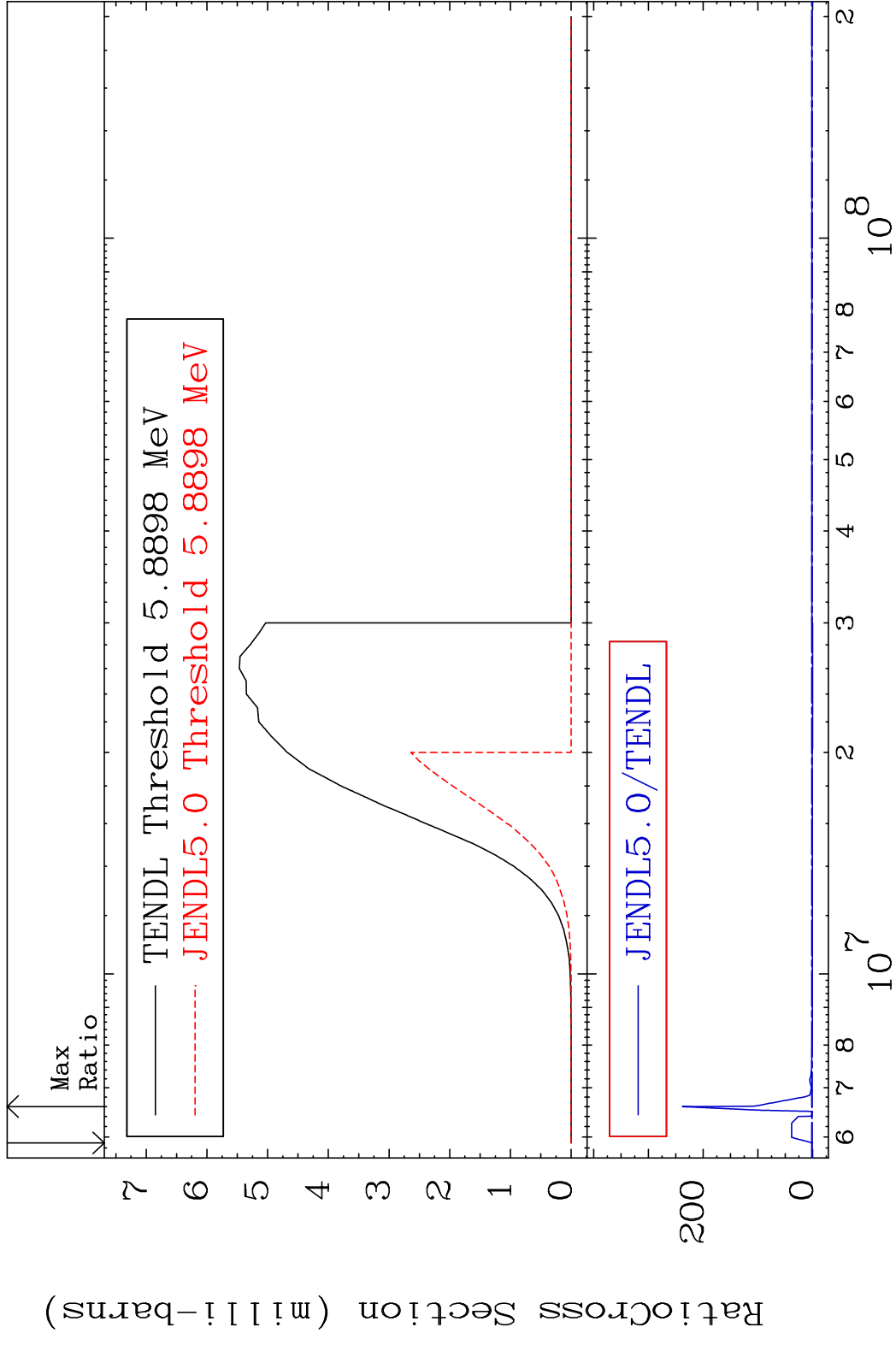
MAT 3043 (n, n') d:29-Cu-68g 30-Zn-70
 Radionuclide Production Cross Section 180c01.dfo 353.1 %



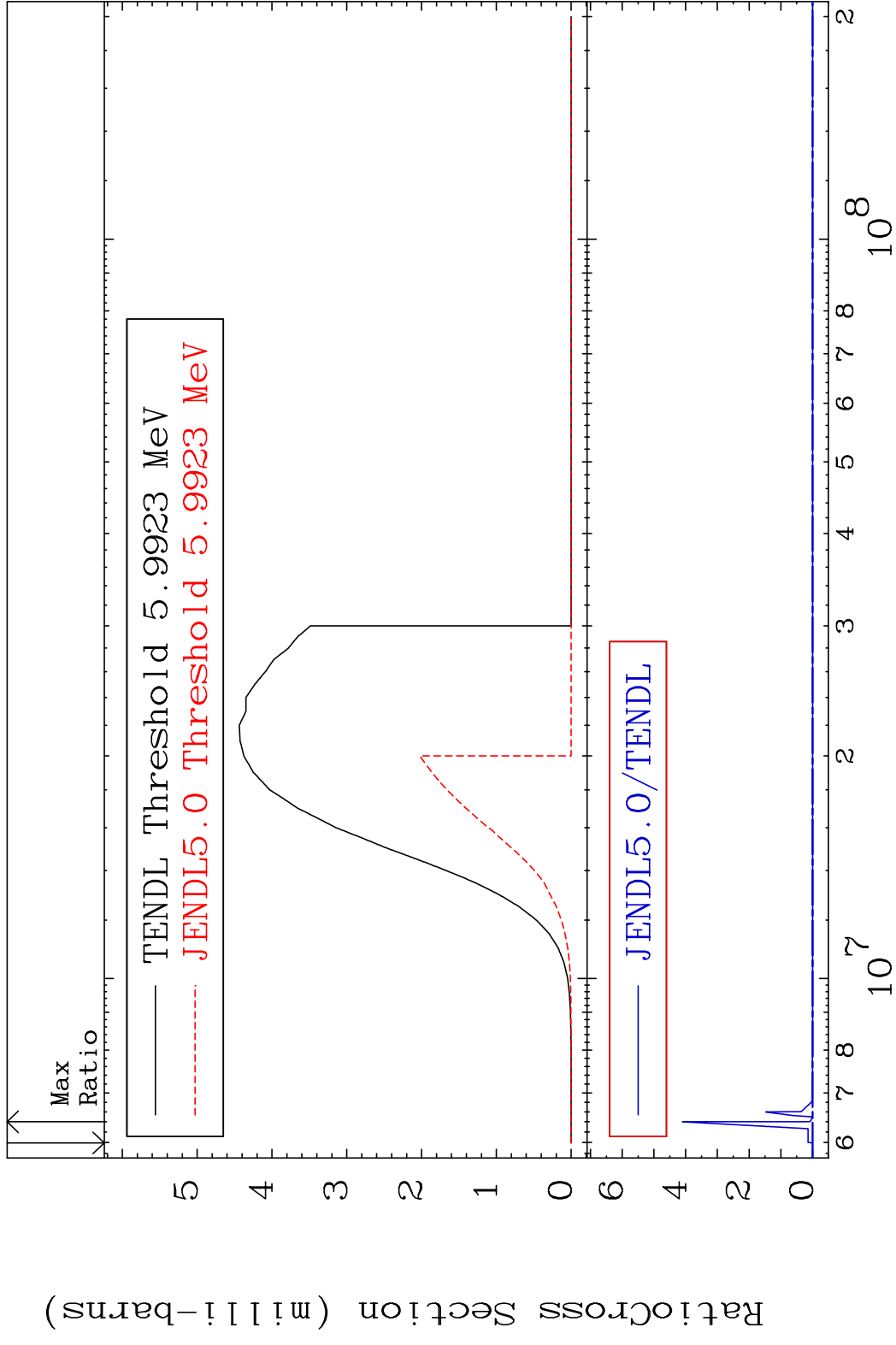
MAT 3043 (n, n') d:29-Cu-68m3 30-Zn-70
 Radionuclide Production Cross Section 180.0 dth 220.3 %



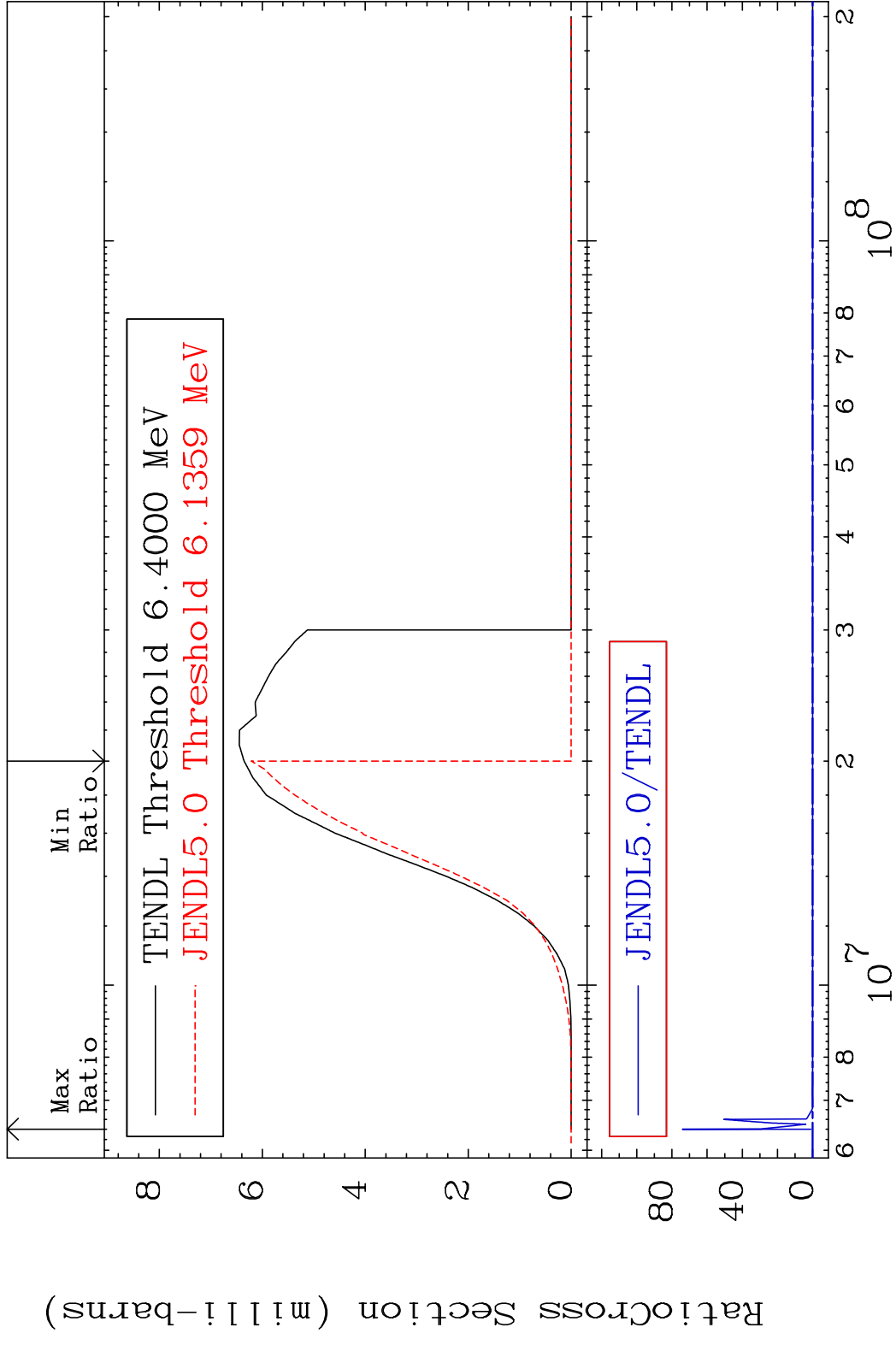
MAT 3043 (n, p) : 29-Cu-70g 30-Zn-70
 Radionuclide Production Cross Section Ratio



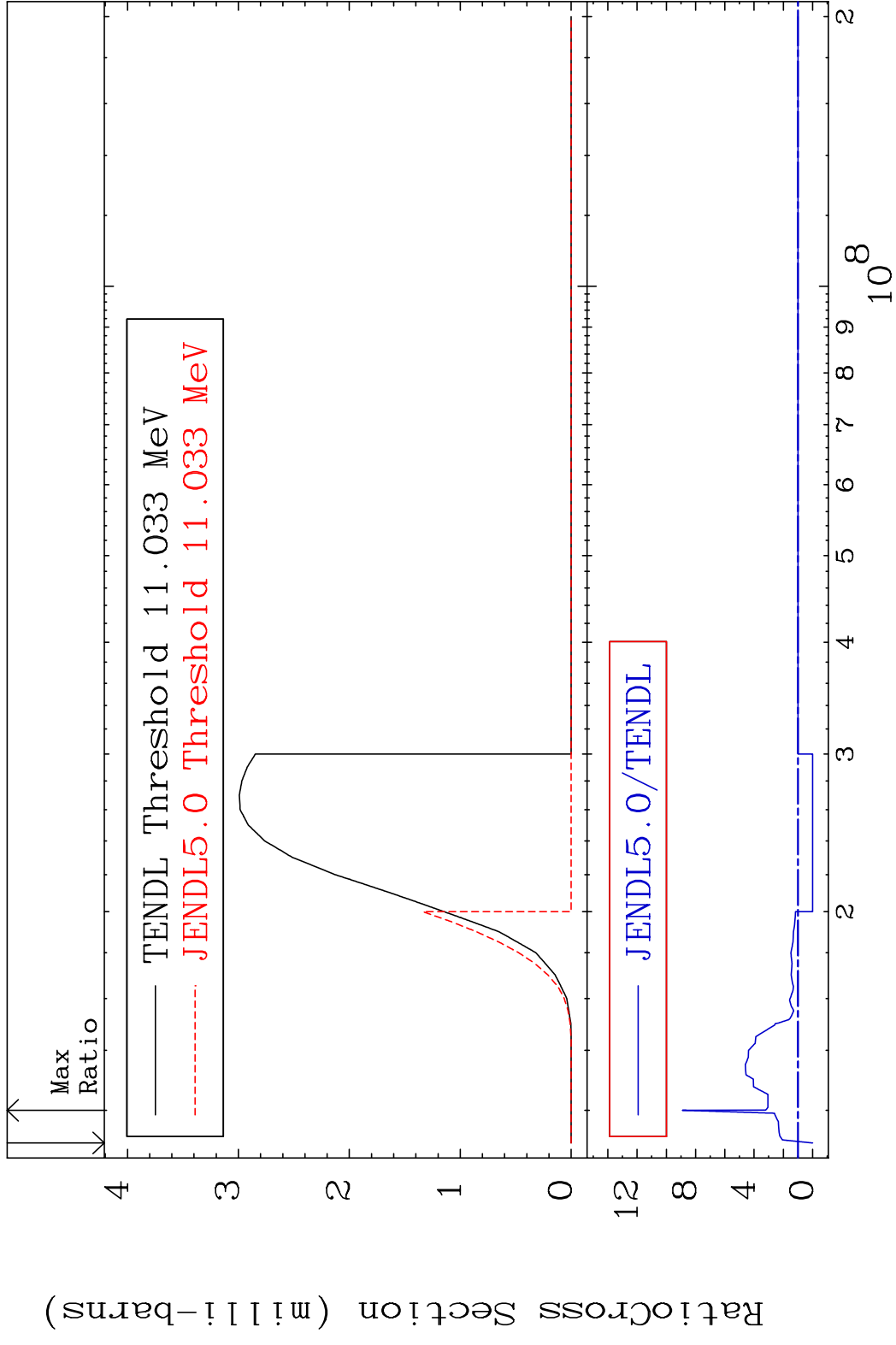
MAT 3043 (n,p):29-Cu-70m1 30-Zn-70
 Radionuclide Production Cross Section Ratio 9999. %

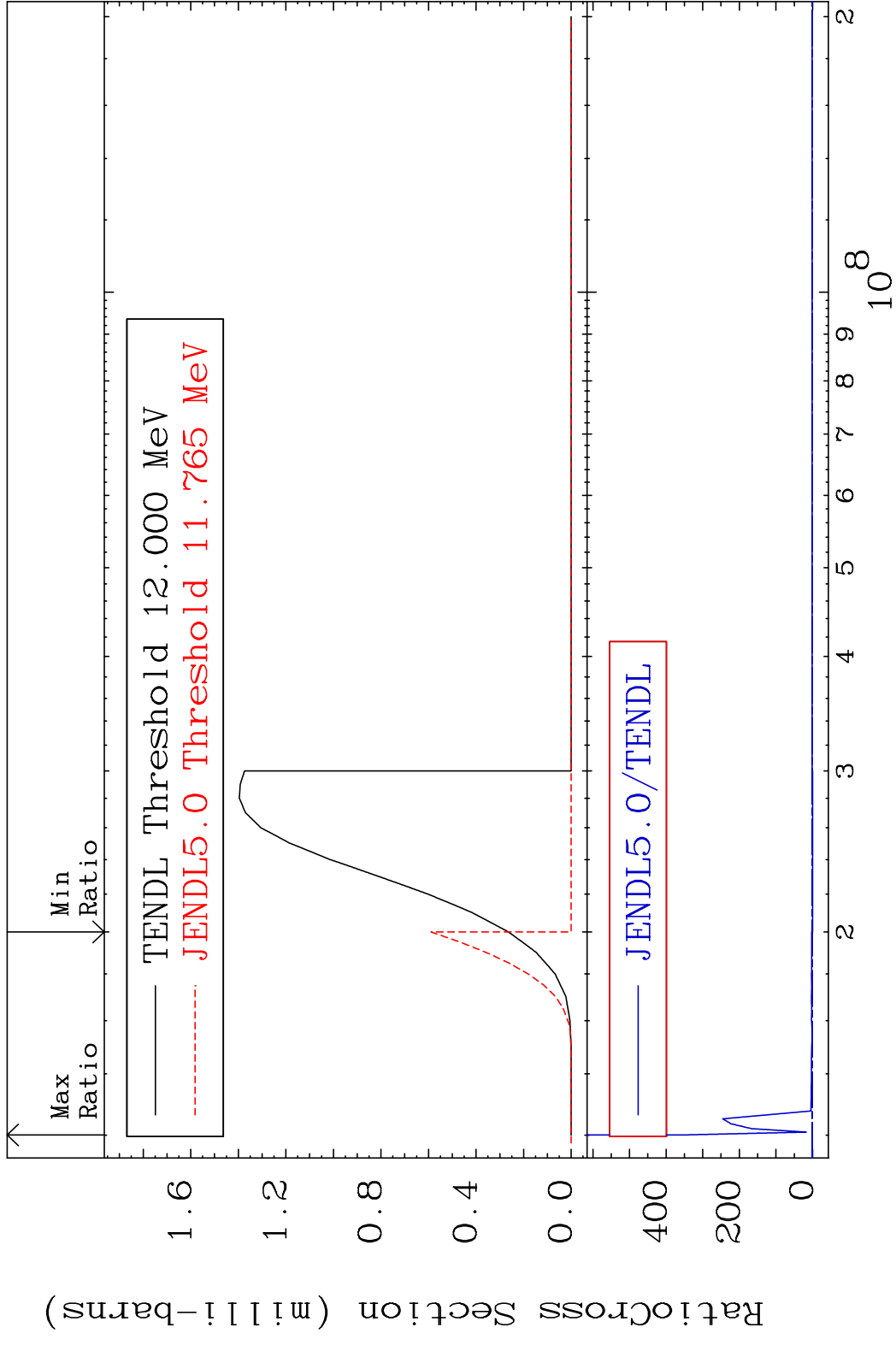


MAT 3043 (n,p):29-Cu-70m3 30-Zn-70
 Radionuclide Production Cross Section Ratio 9999. %

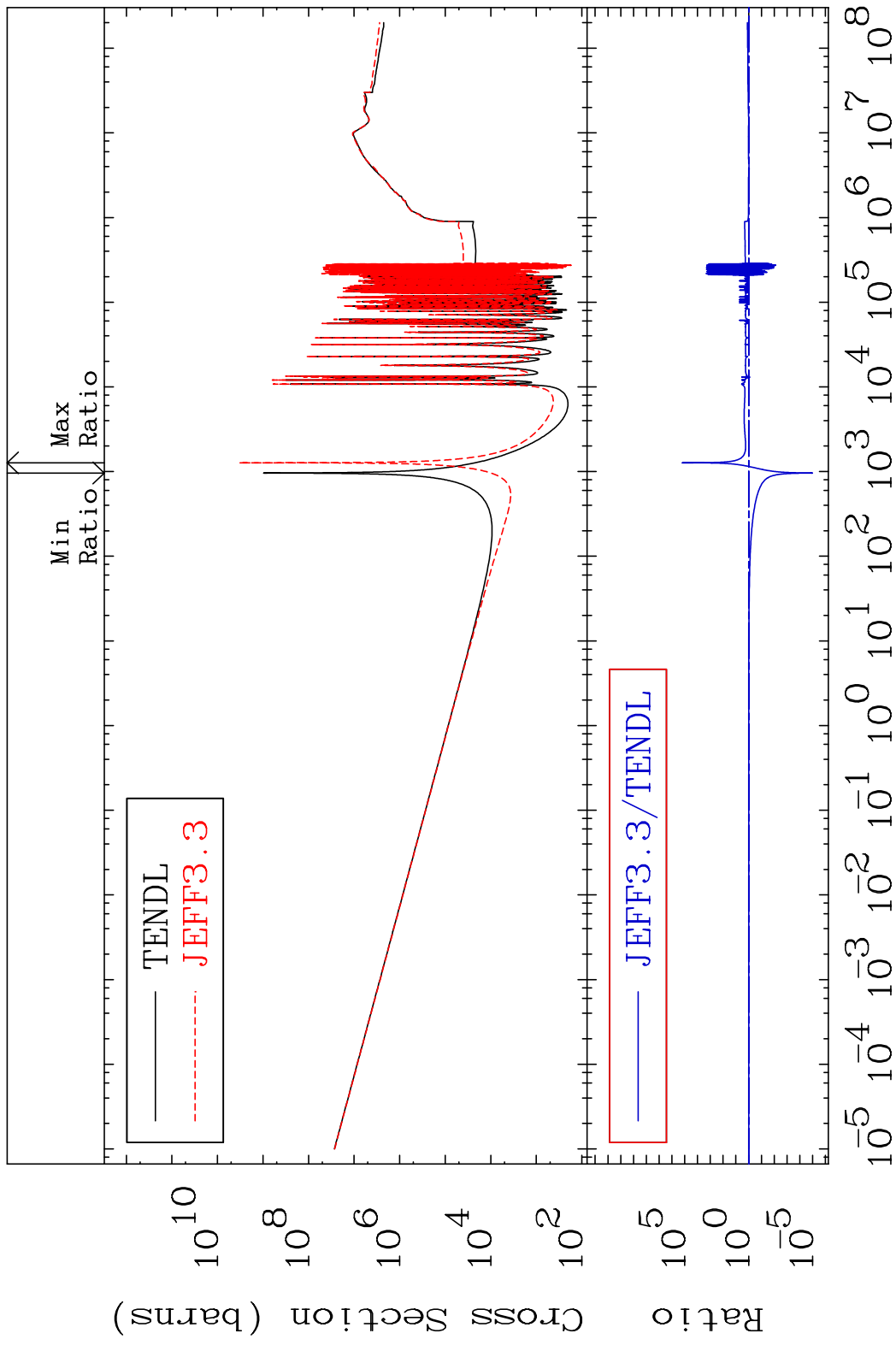


MAT 3043 (n, t):29-Cu-68g 30-Zn-70
 Radionuclide Production Cross Section Ratio 790.4 %



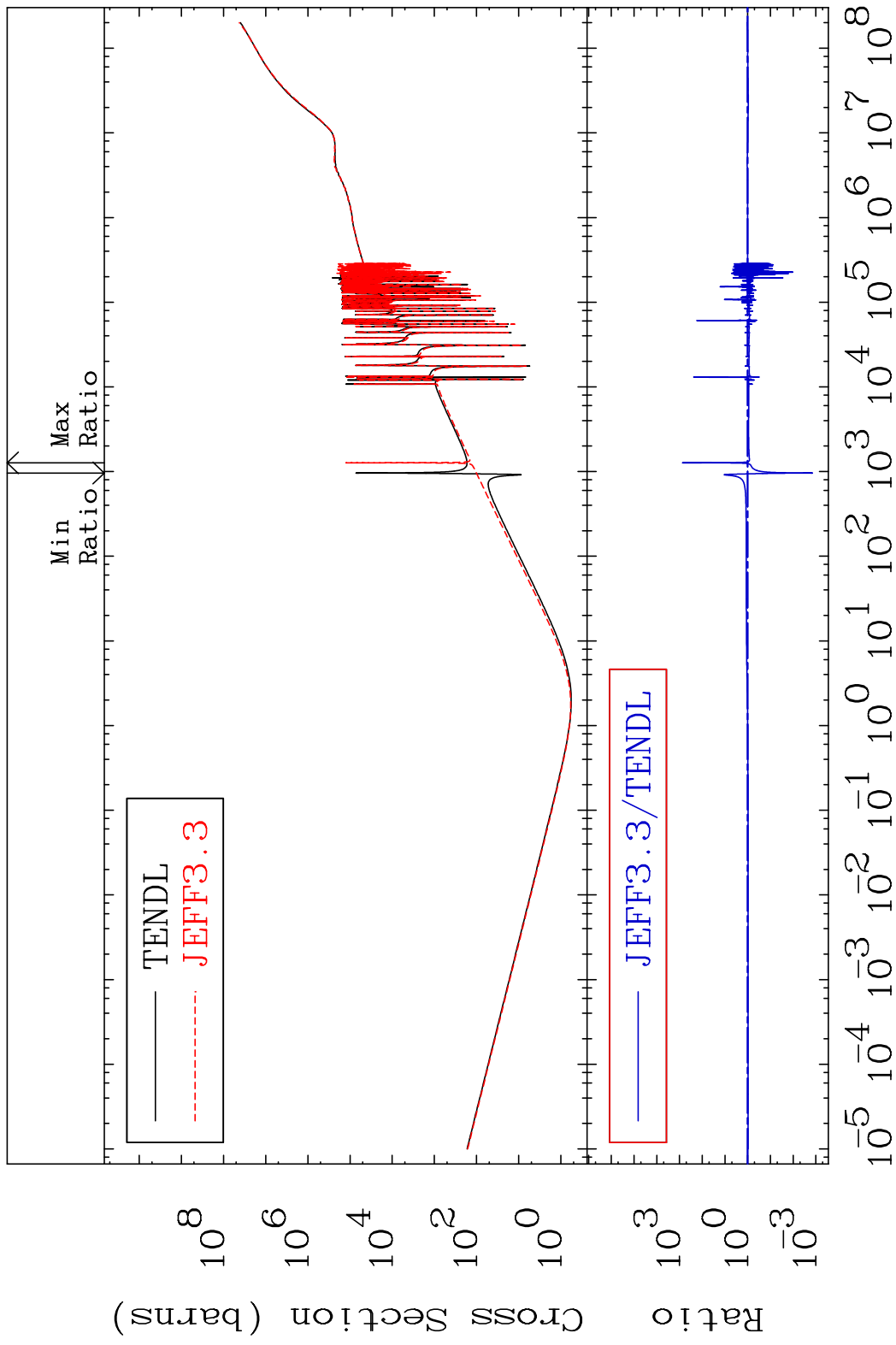


MAT 3043 Total photon (eV-barns) 30-Zn-70
 Cross Section -100.0 To 9999. %

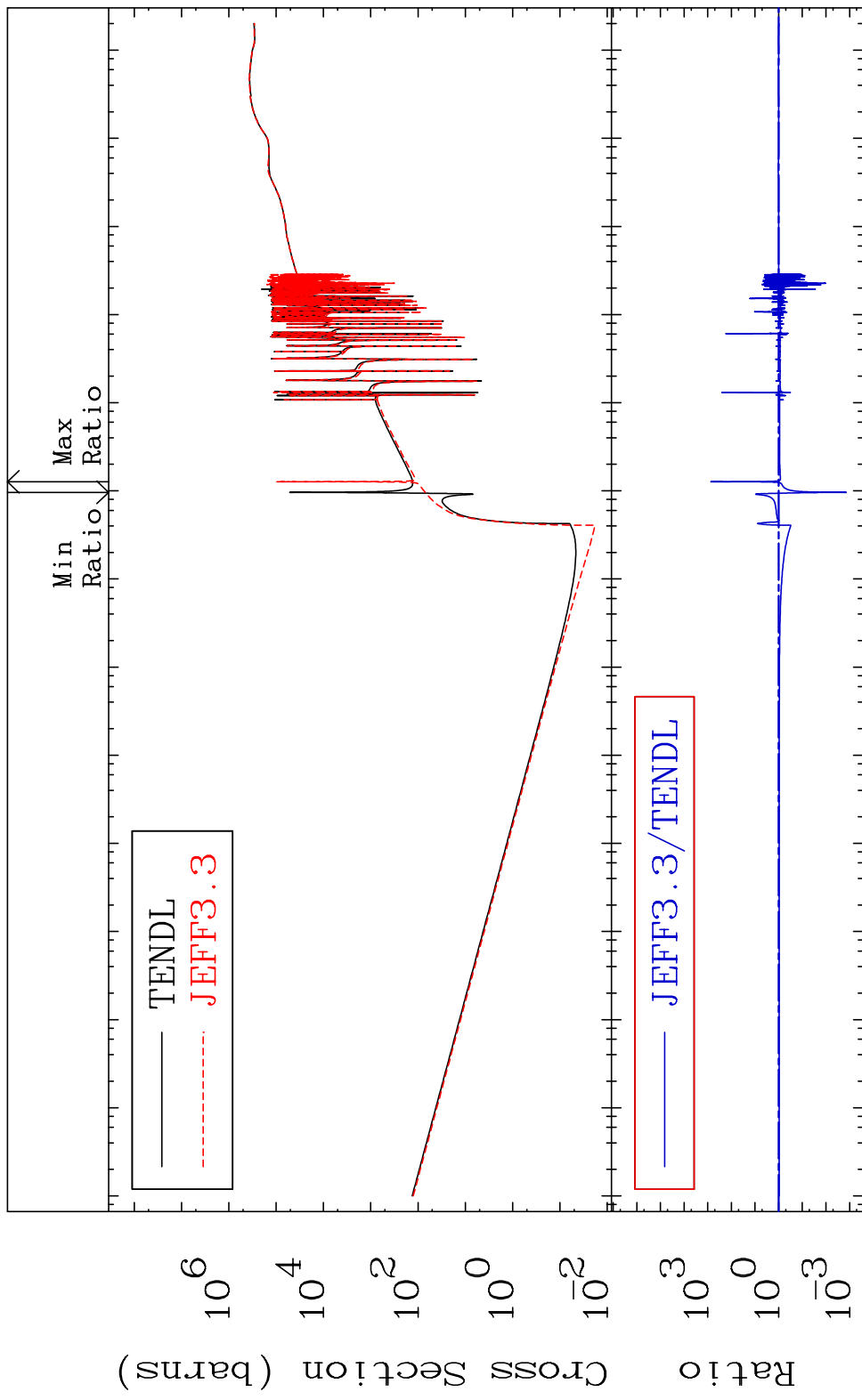


58 Incident Energy (eV) 30-Zn-70

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. %



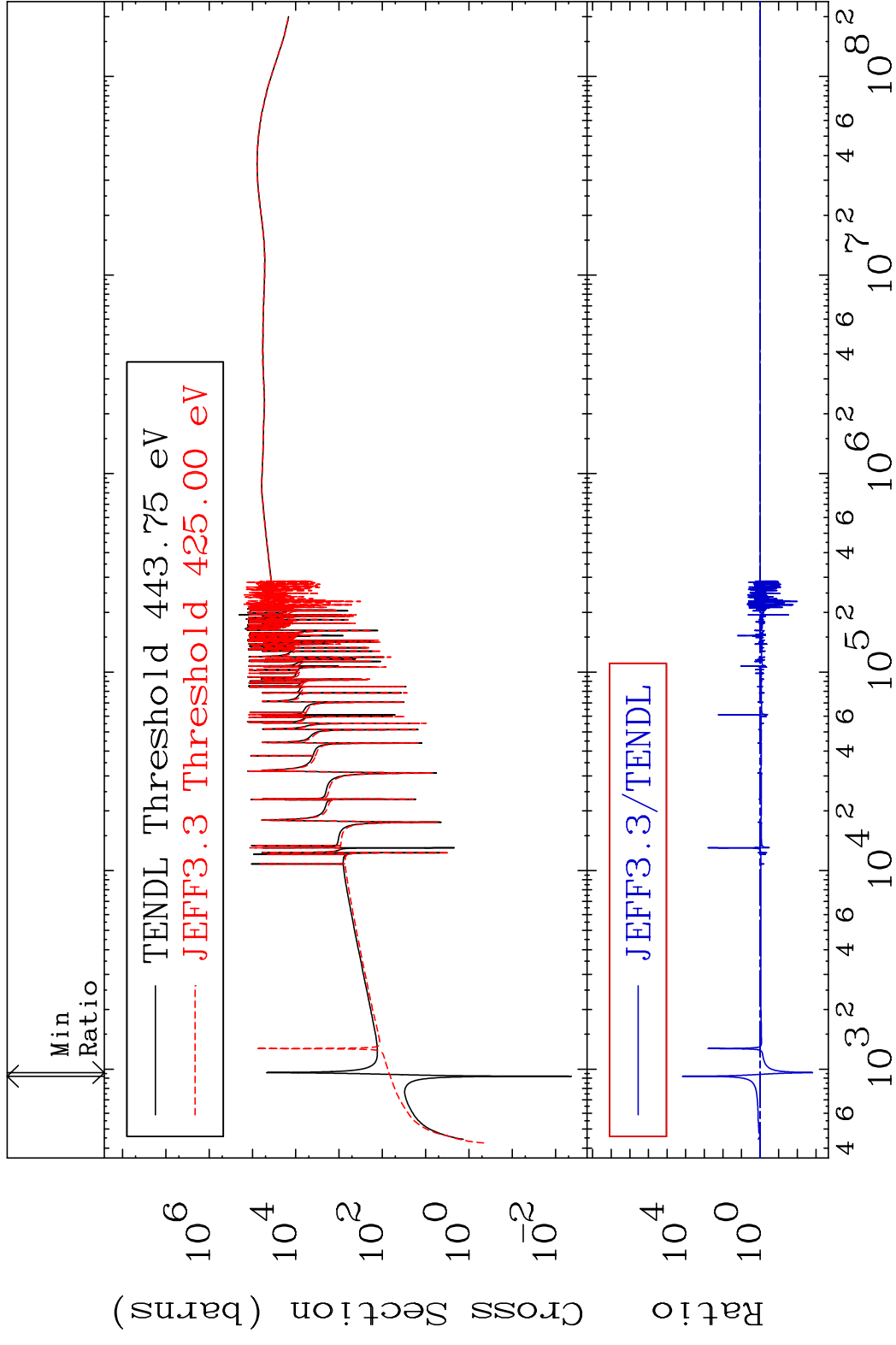
60 Incident Energy (eV) 30-Zn-70

MAT 3043

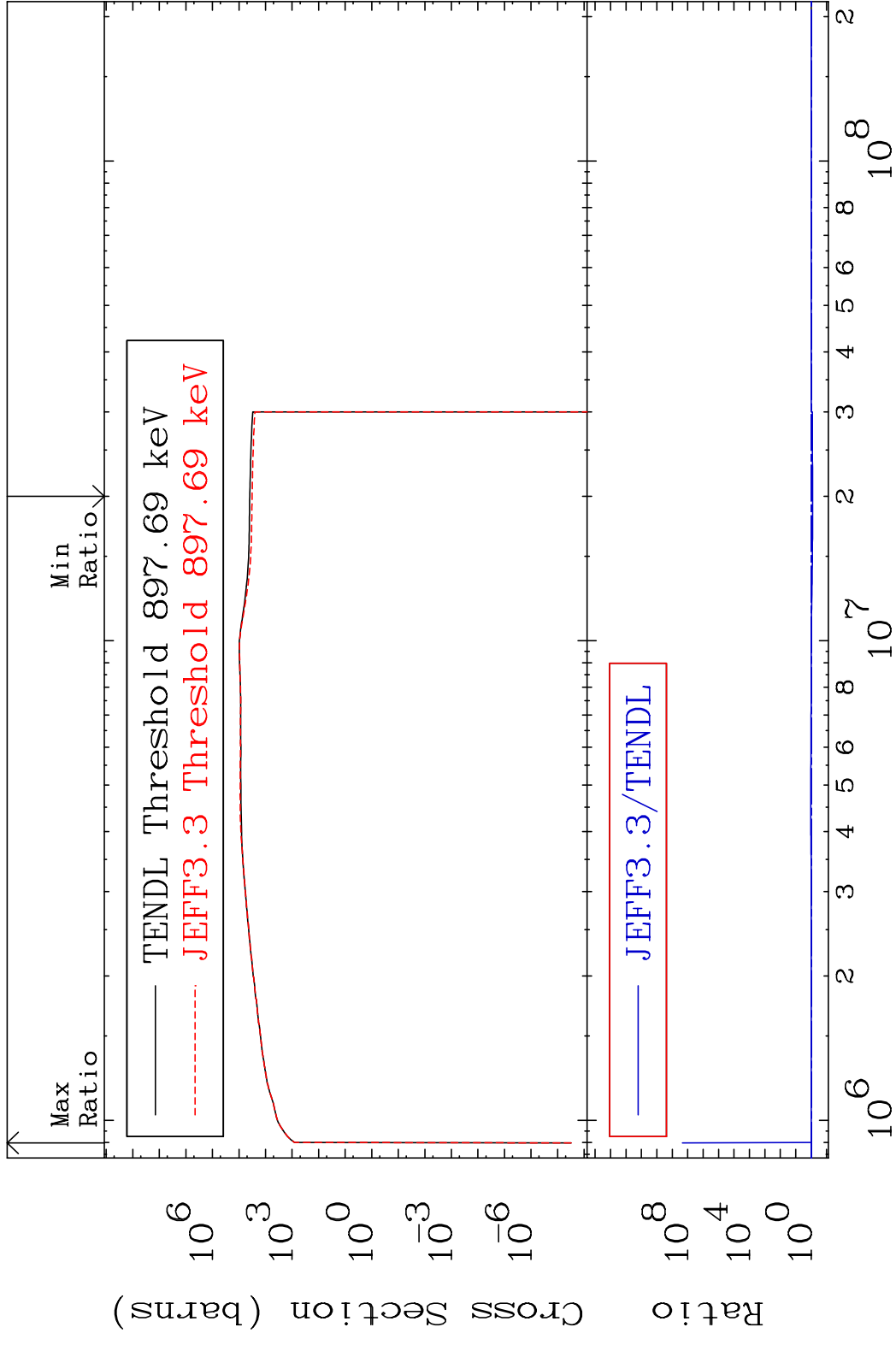
Dpa elastic (mt2)

30-Zn-70

Cross Section -99.85 To 9999. %

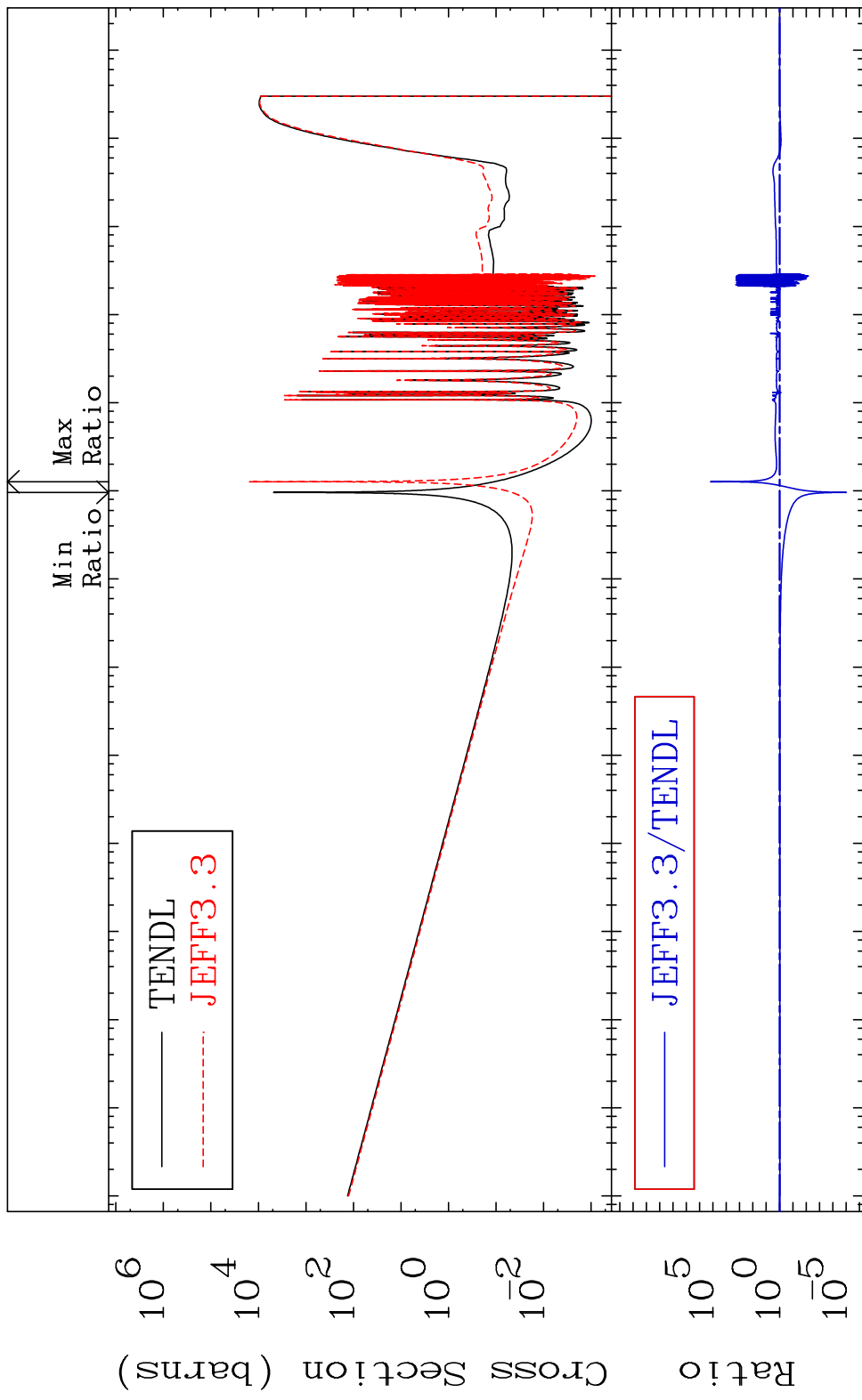


MAT 3043 Dpa inelastic (mt51-91) 30-Zn-70
 Cross Section -18.64 To 9999. %

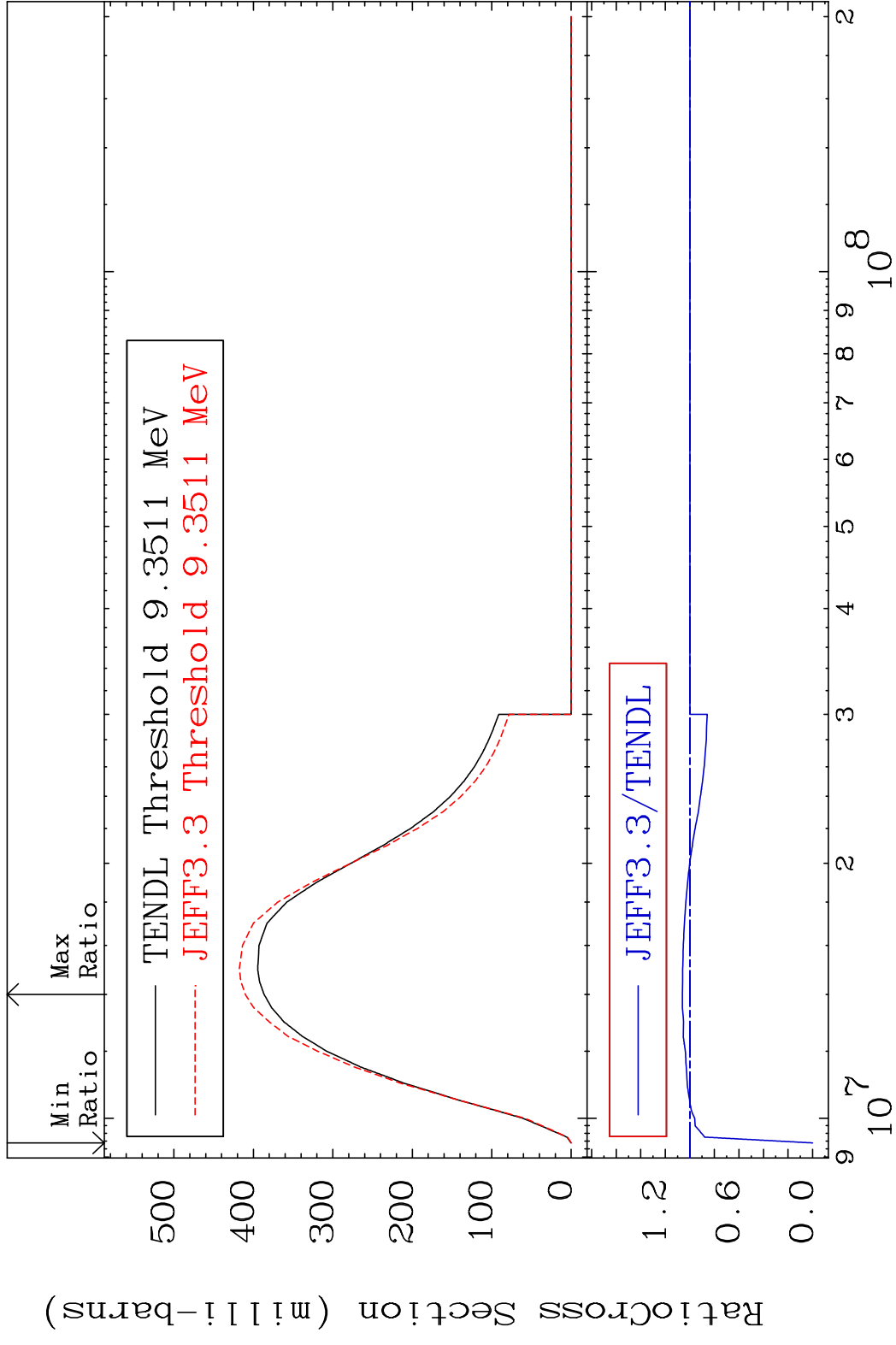


62 Incident Energy (eV) 30-Zn-70

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

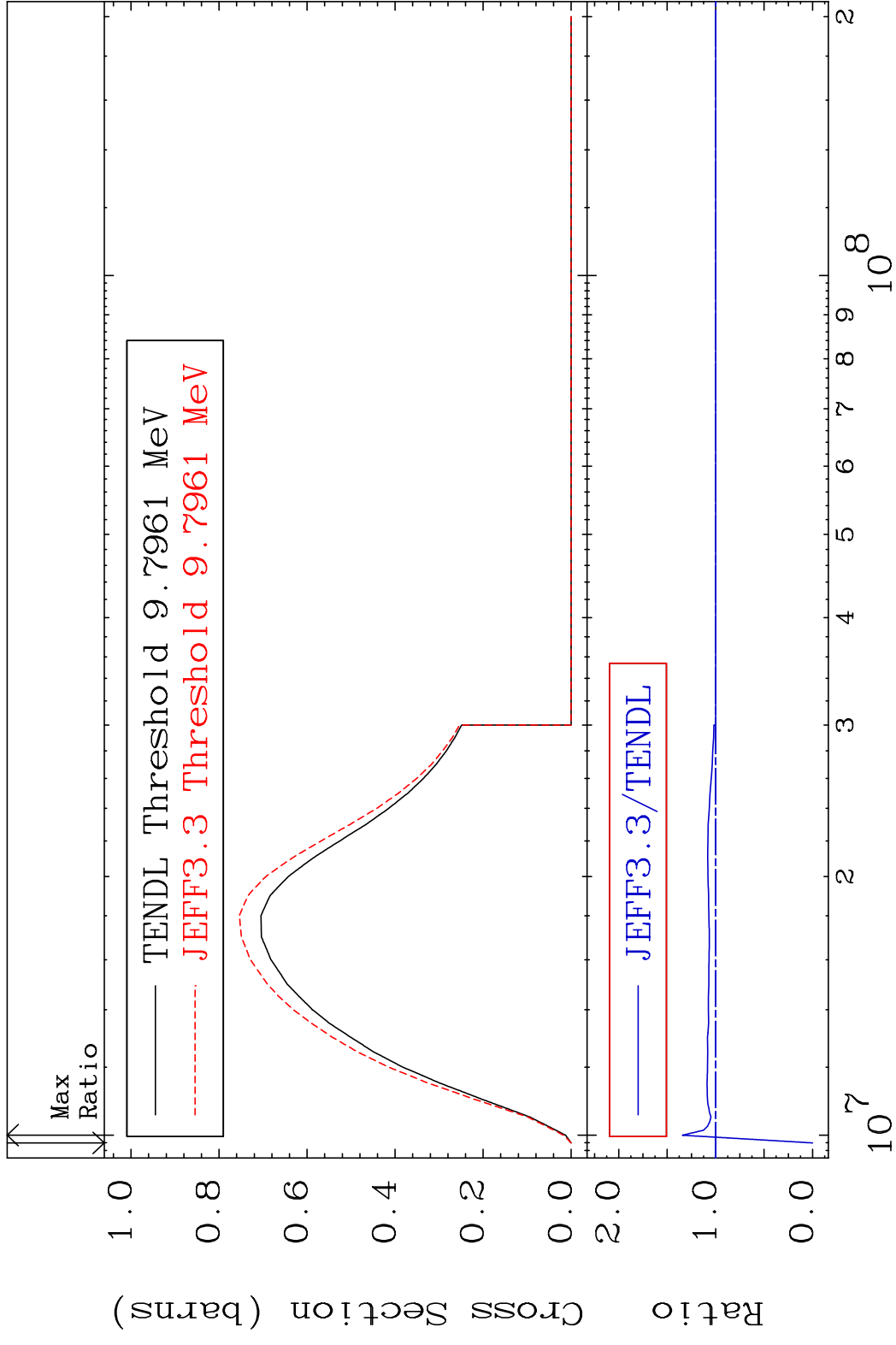


MAT 3043 (n,2n):30-Zn-69g 30-Zn-70
 Radionuclide Production Cross Section Ratio 6.092 %



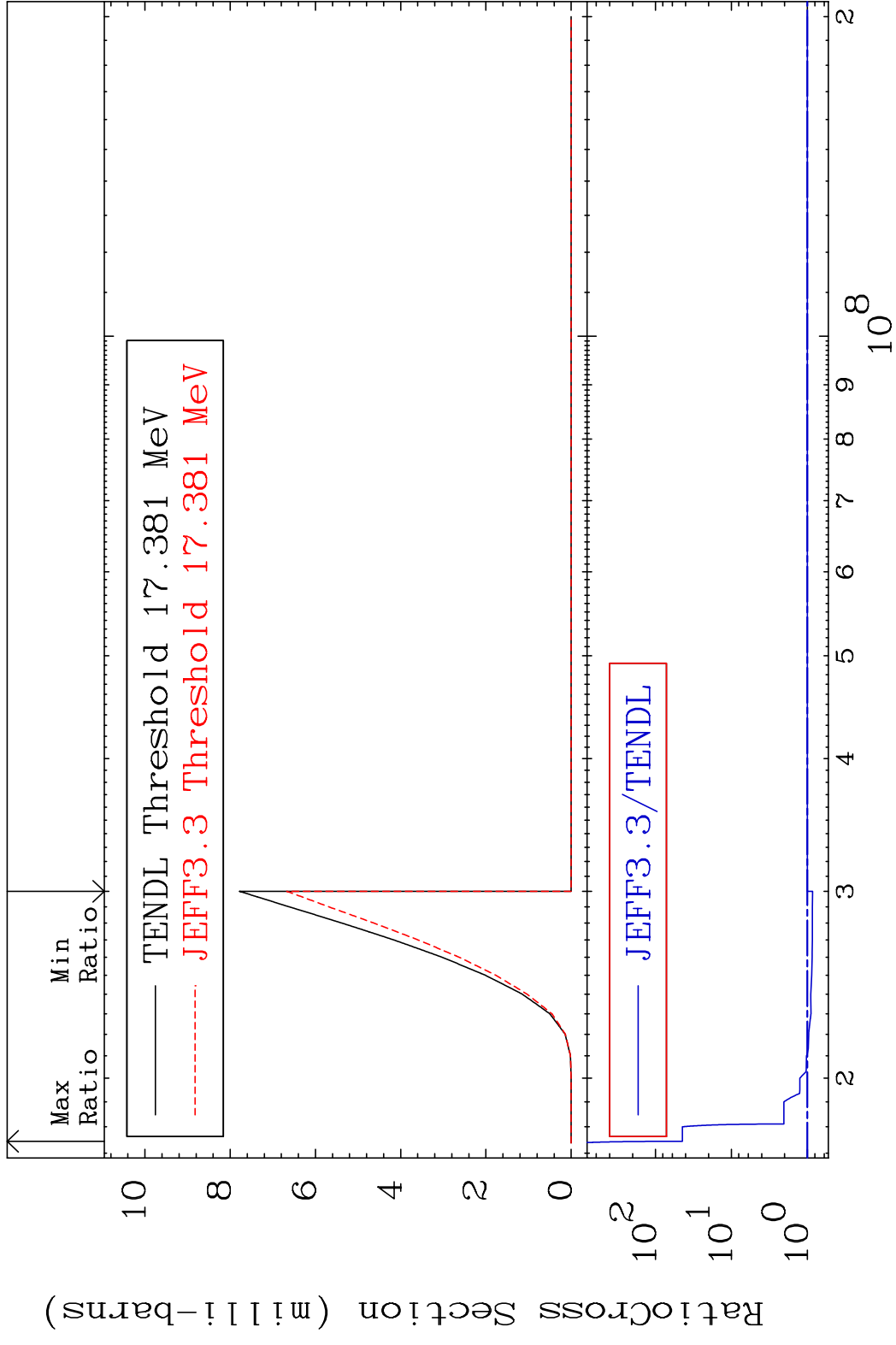
64 Incident Energy (eV) 30-Zn-70

MAT 3043 (n,2n):30-Zn-69m1 30-Zn-70
 Radionuclide Production Cross Section Ratio 34.35 %

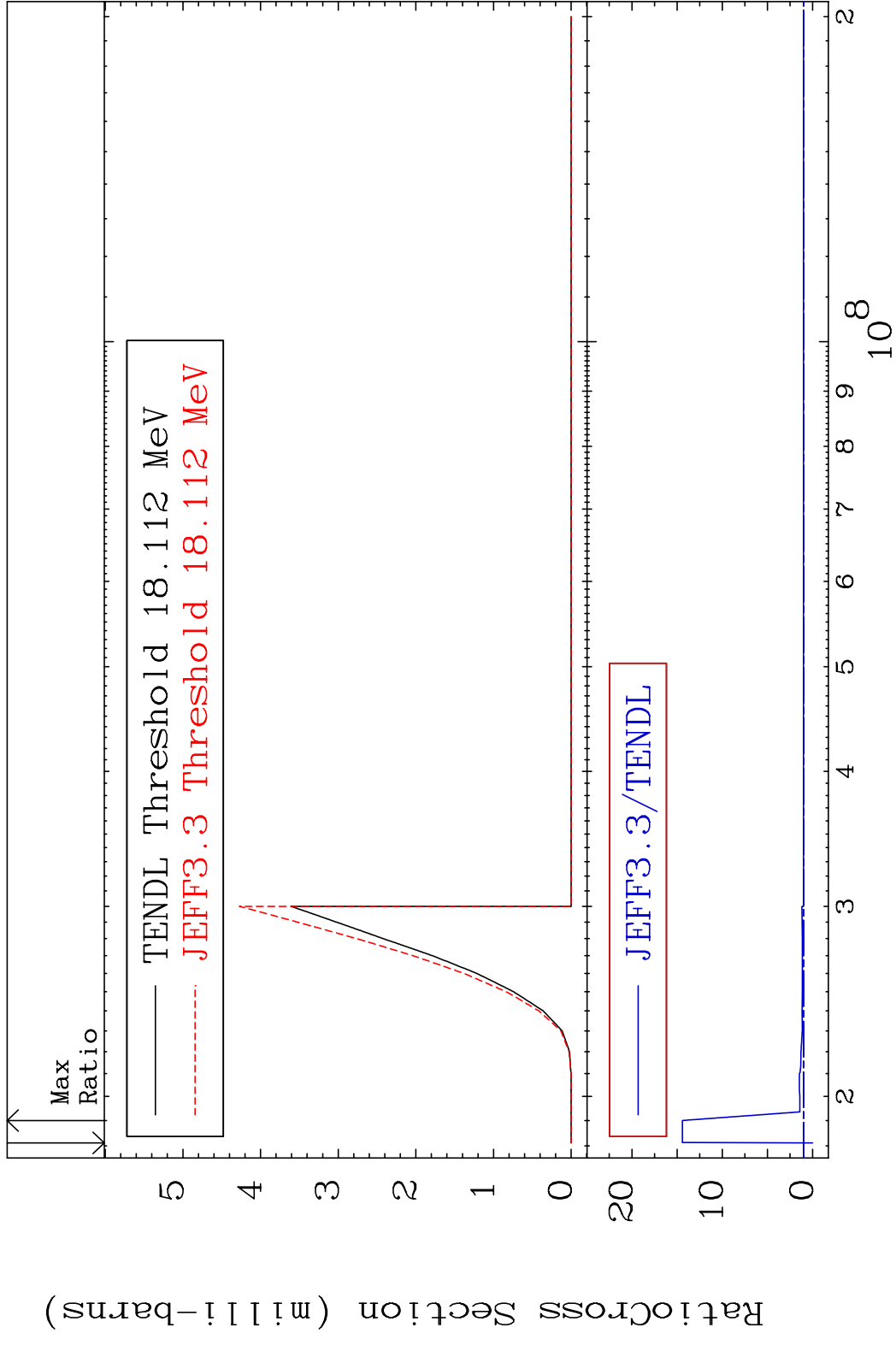


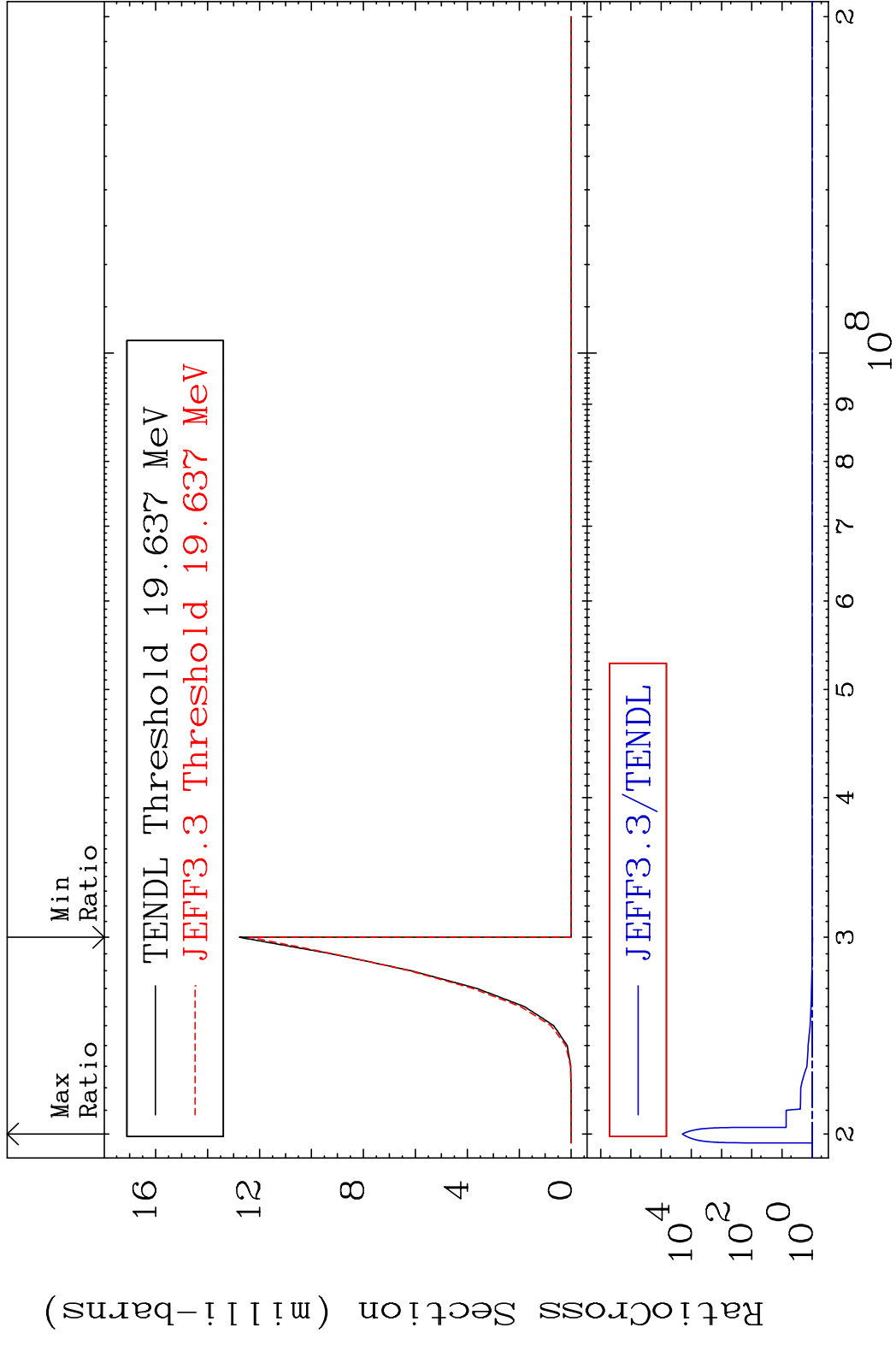
65 Incident Energy (eV) 30-Zn-70

MAT 3043 (n, n') d:29-Cu-68g 30-Zn-70
 Radionuclide Production Cross Section 4325. %

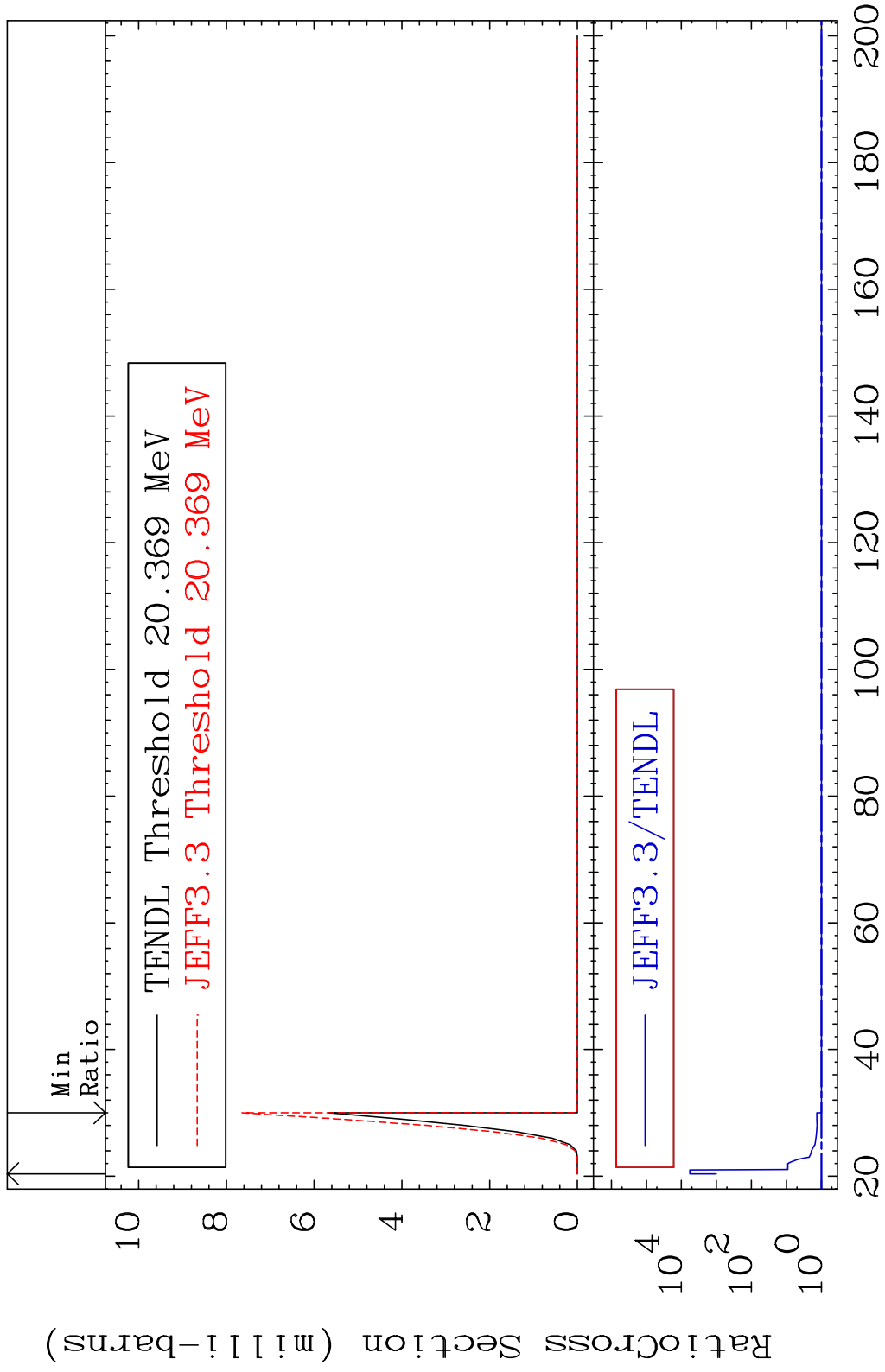


MAT 3043 (n, n') d:29-Cu-68m3 30-Zn-70
 Radionuclide Production Cross Section 1341. %

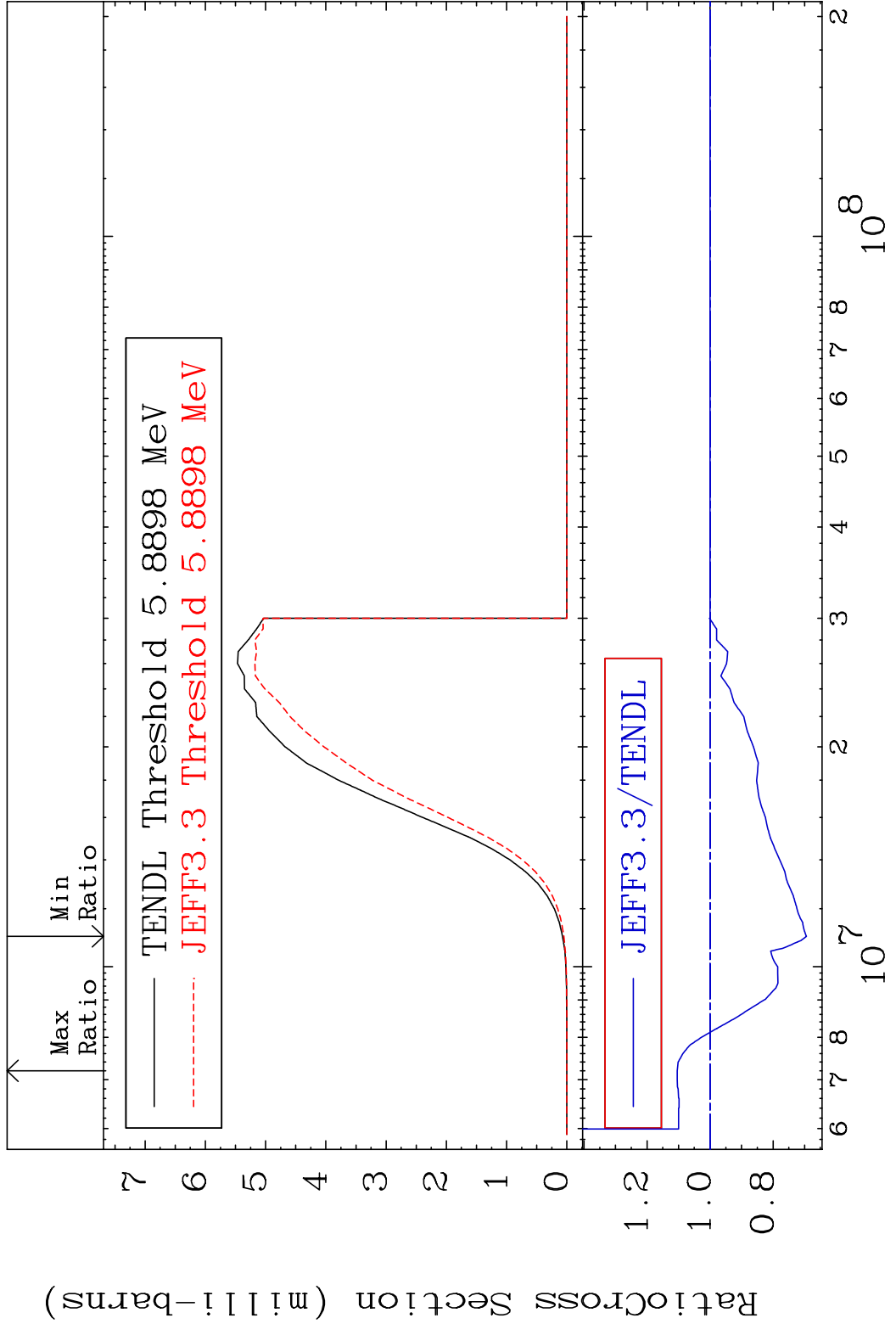




MAT 3043 (n,2n) p:29-Cu-68m3 30-Zn-70
 Radionuclide Production Cross Section 9999. %

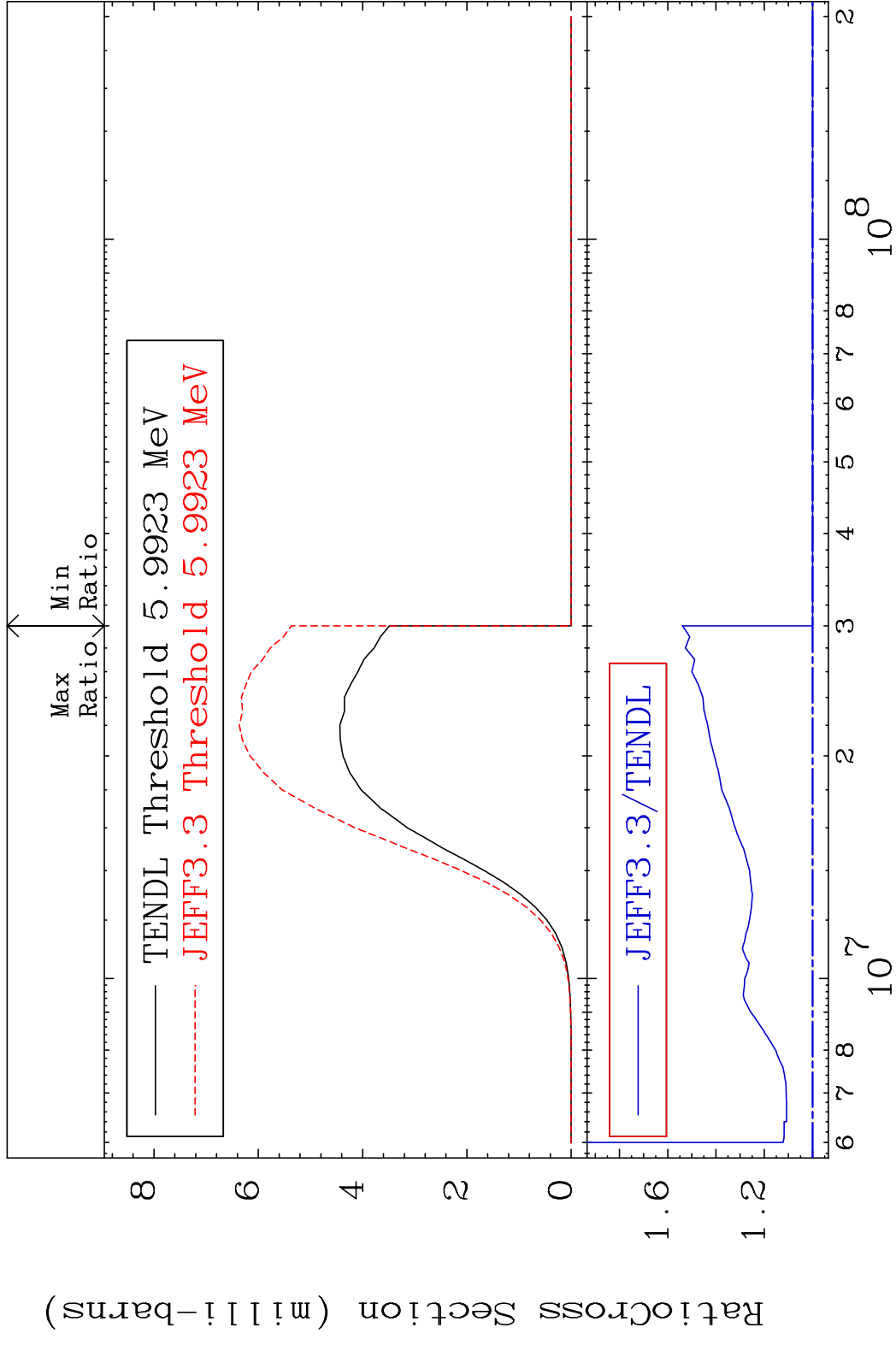


MAT 3043 (n, p) : 29-Cu-70g 30-Zn-70
 Radionuclide Production Cross Section 10.43 %

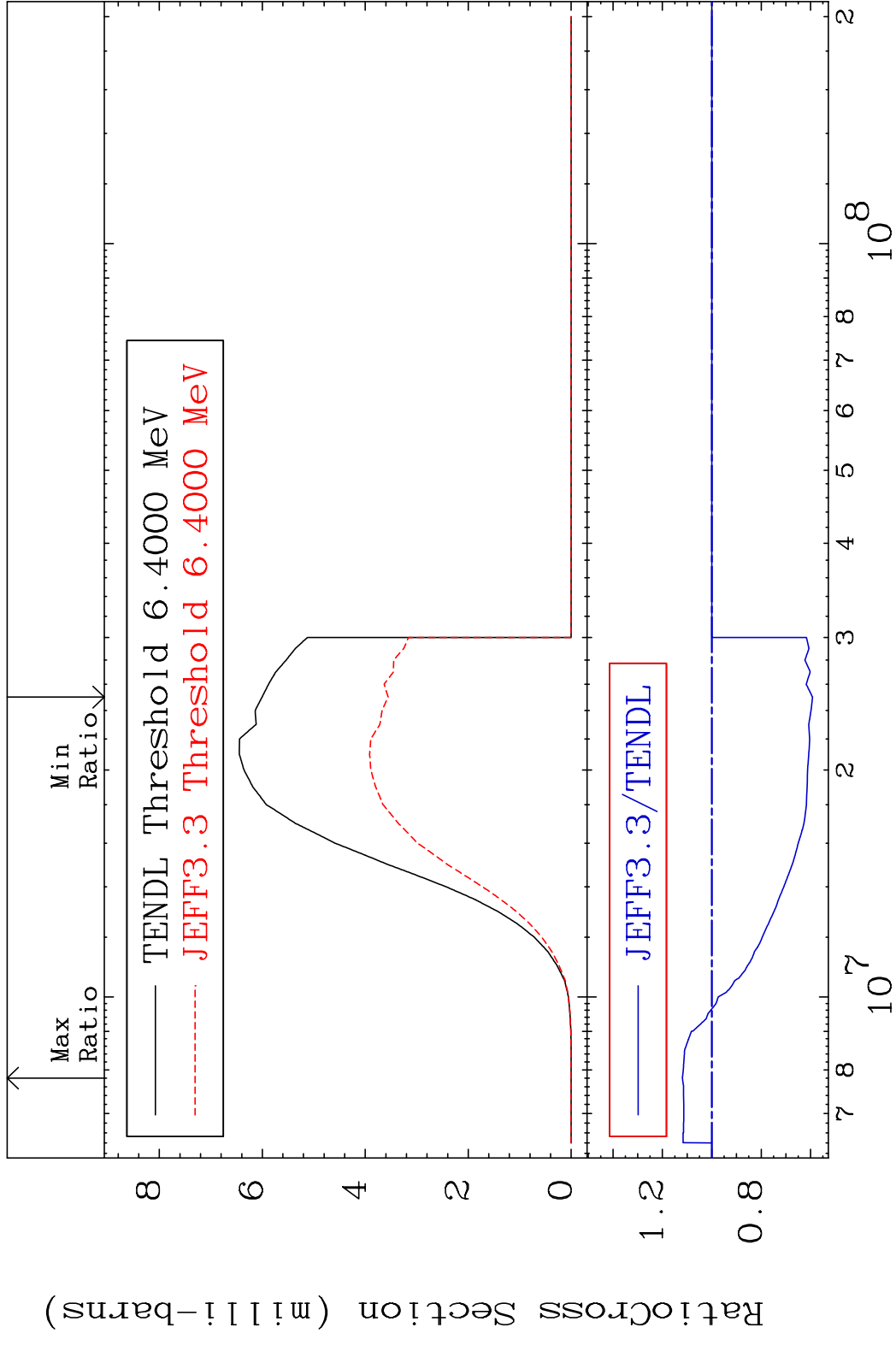


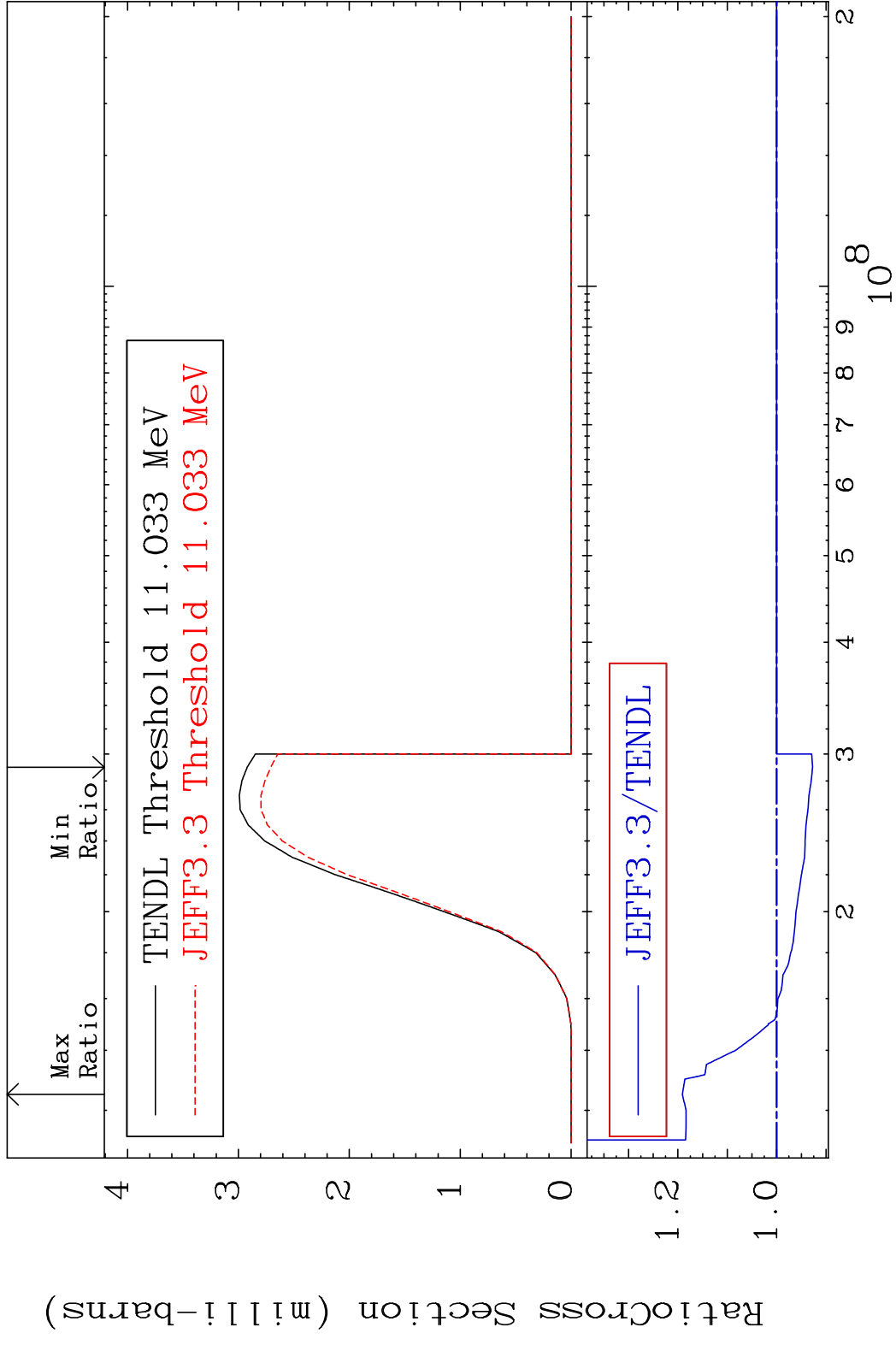
70 Incident Energy (eV) 30-Zn-70

MAT 3043 (n,p):29-Cu-70m1 30-Zn-70
 Radionuclide Production Cross Section 53.93 %



MAT 3043 (n,p):29-Cu-70m3 30-Zn-70
 Radionuclide Production Cross Section 11.93 %





MAT 3043 (n,t):29-Cu-68m3 30-Zn-70
 Radionuclide Production Cross Section 27.83 %

