

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

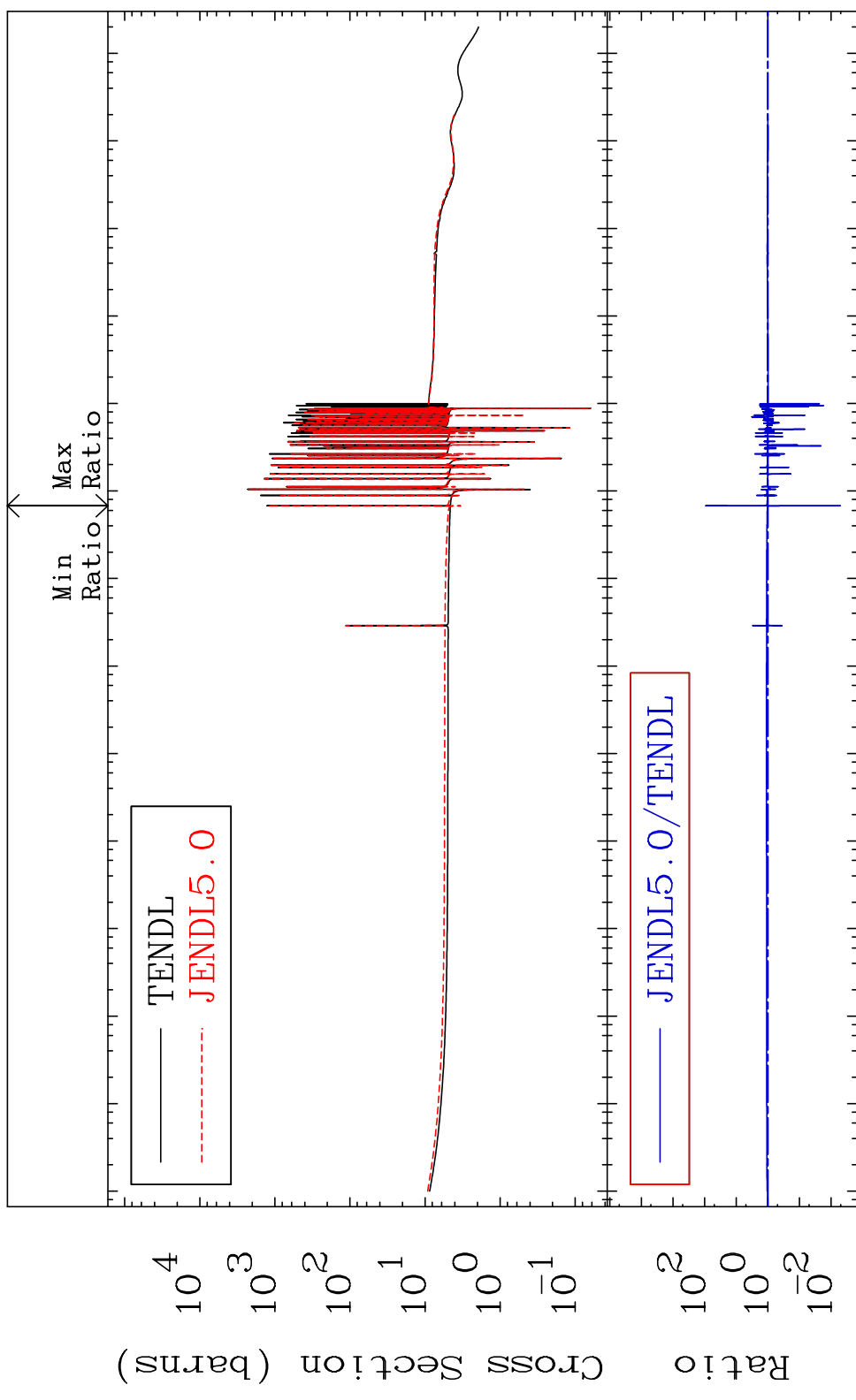
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 4855

Total 48-Cd-116
Cross Section -99.49 To 9137. %



1

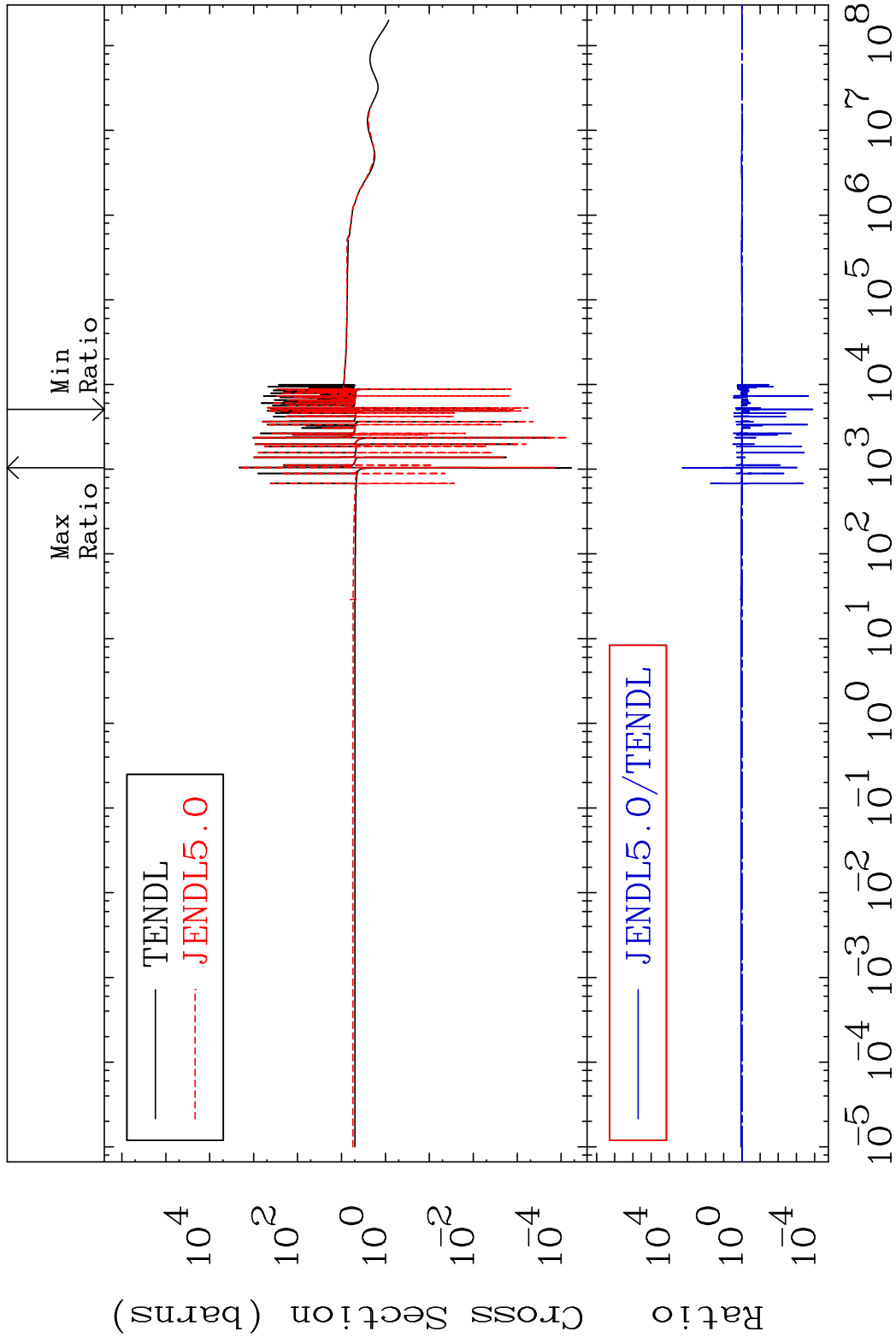
Incident Energy (eV) 48-Cd-116

MAT 4855

Elastic

48-Cd-116

Cross Section -99.99 To 9999. %

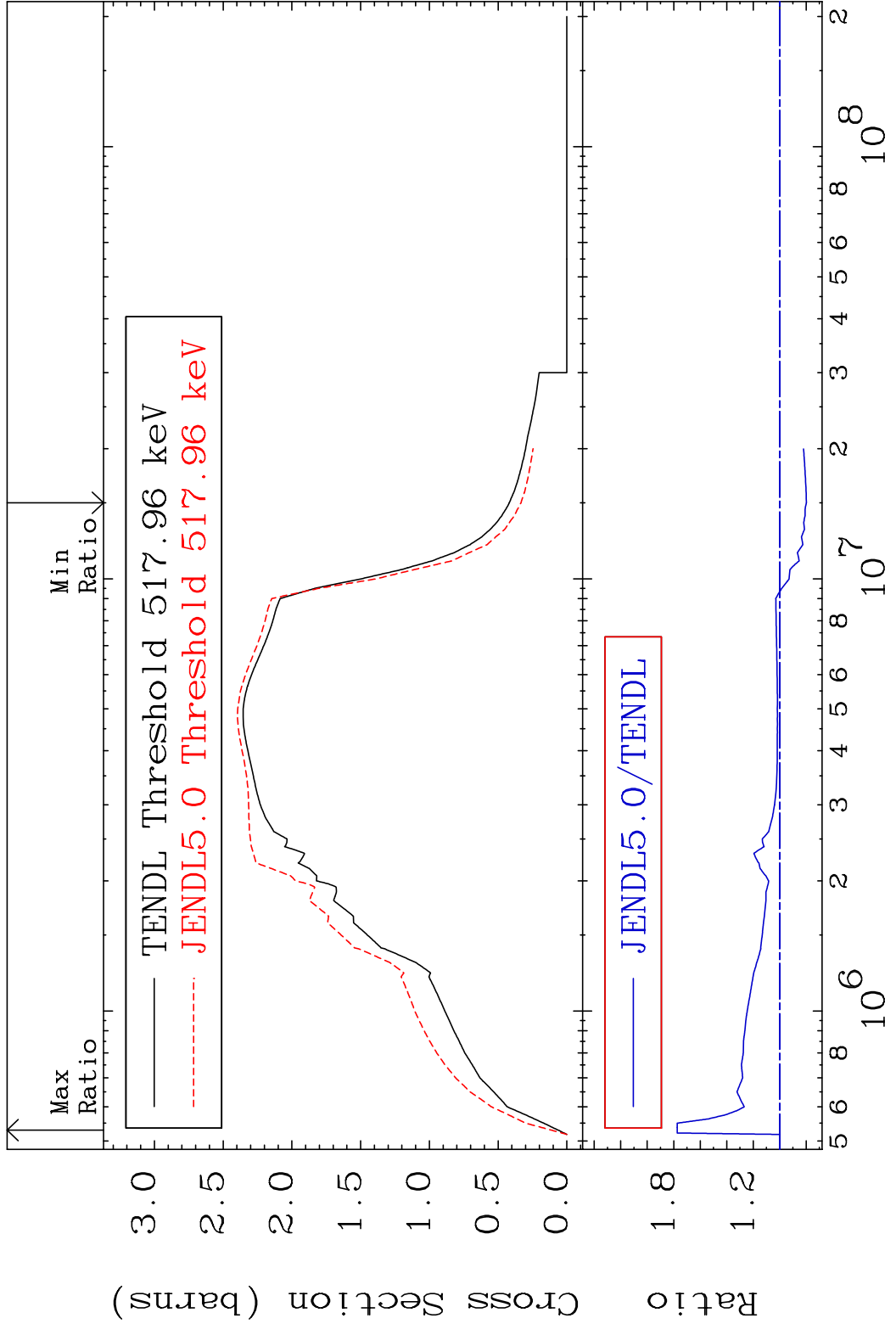


2

Incident Energy (eV)

48-Cd-116

MAT 4855 Inelastic 48-Cd-116
 Cross Section -20.20 To 77.38 %

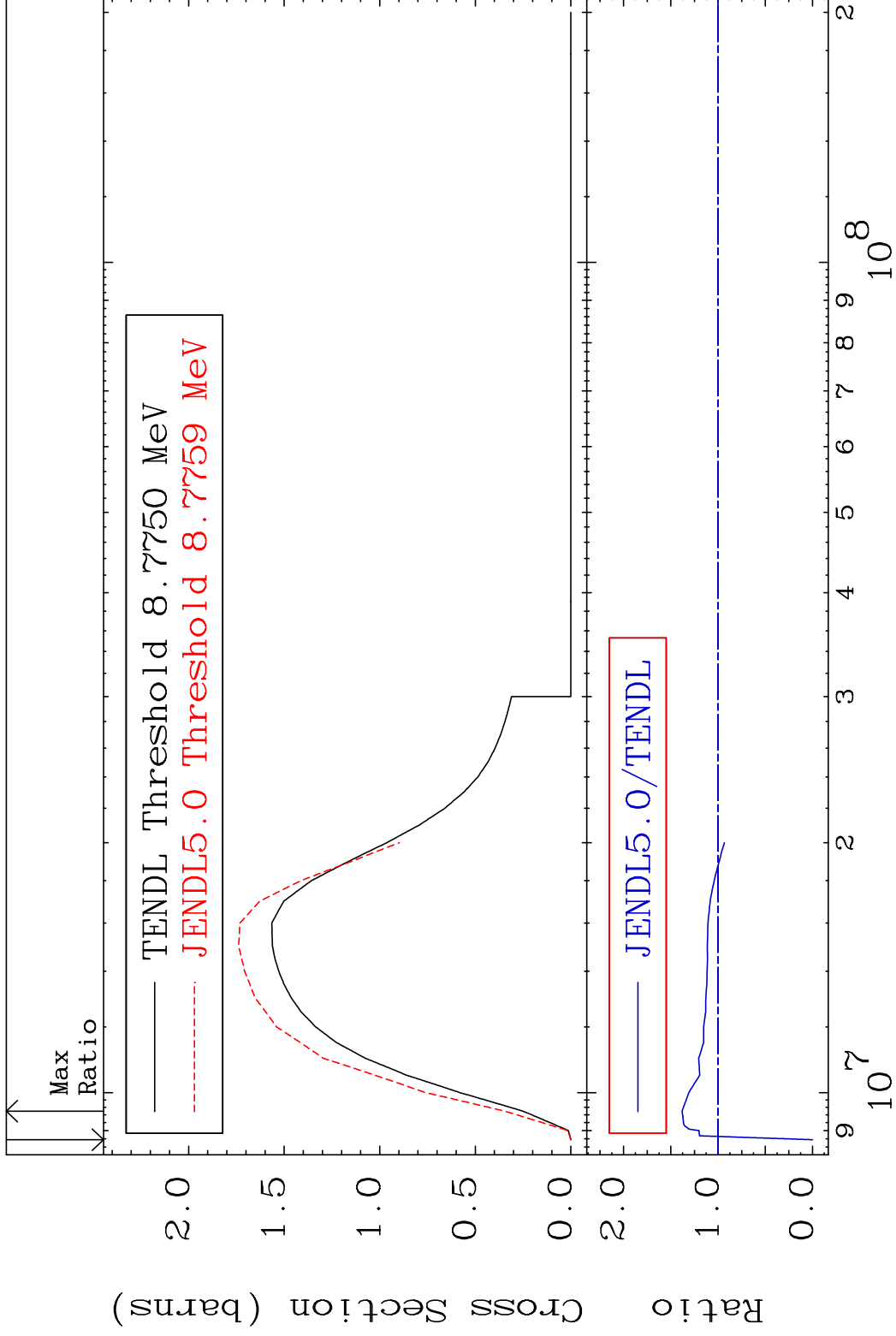


MAT 4855

(n,2n)

48-Cd-116

Cross Section -100.0 To 38.02 %



4

Incident Energy (eV)

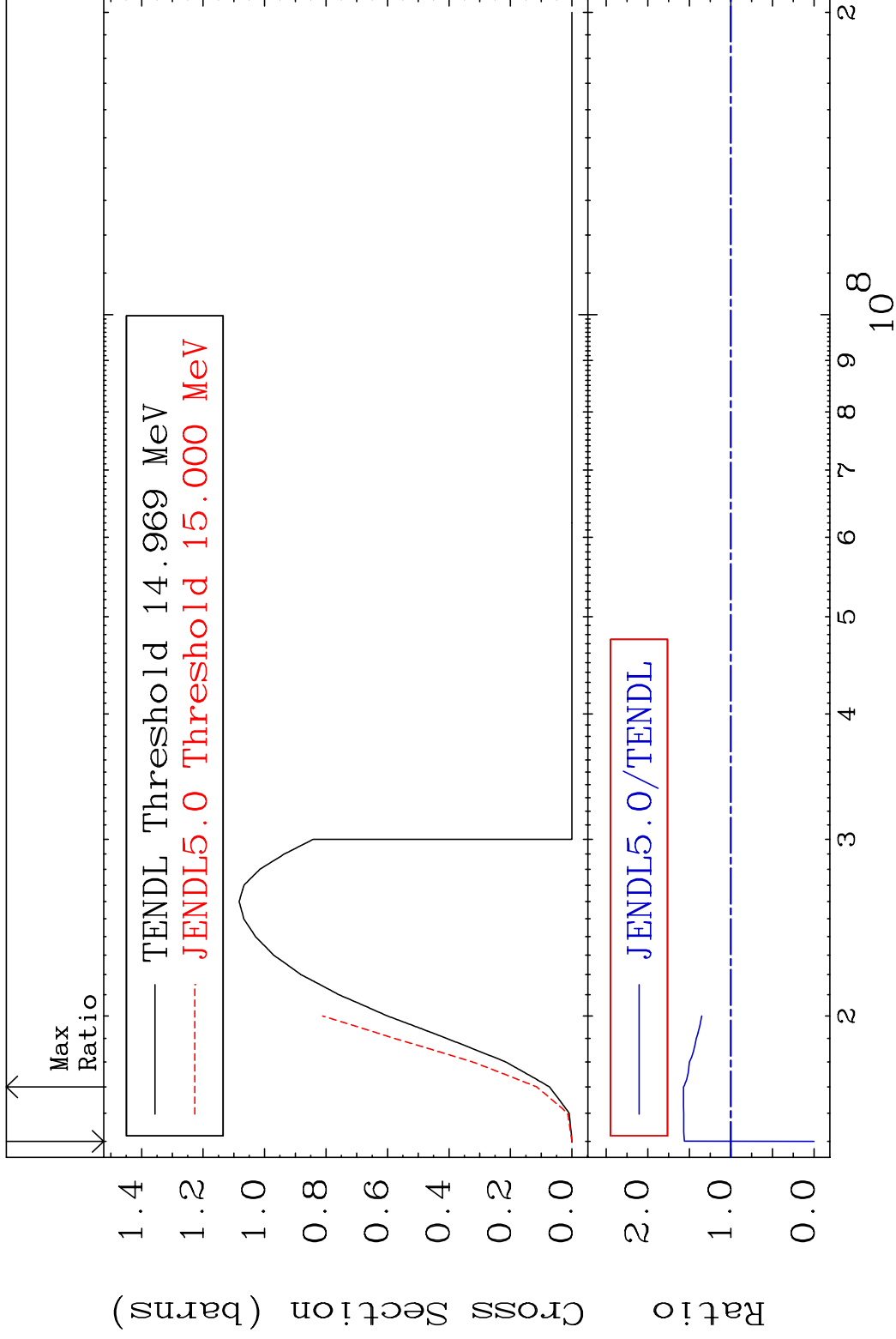
48-Cd-116

MAT 4855

(n,3n)

48-Cd-116

Cross Section -100.0 To 57.14 %

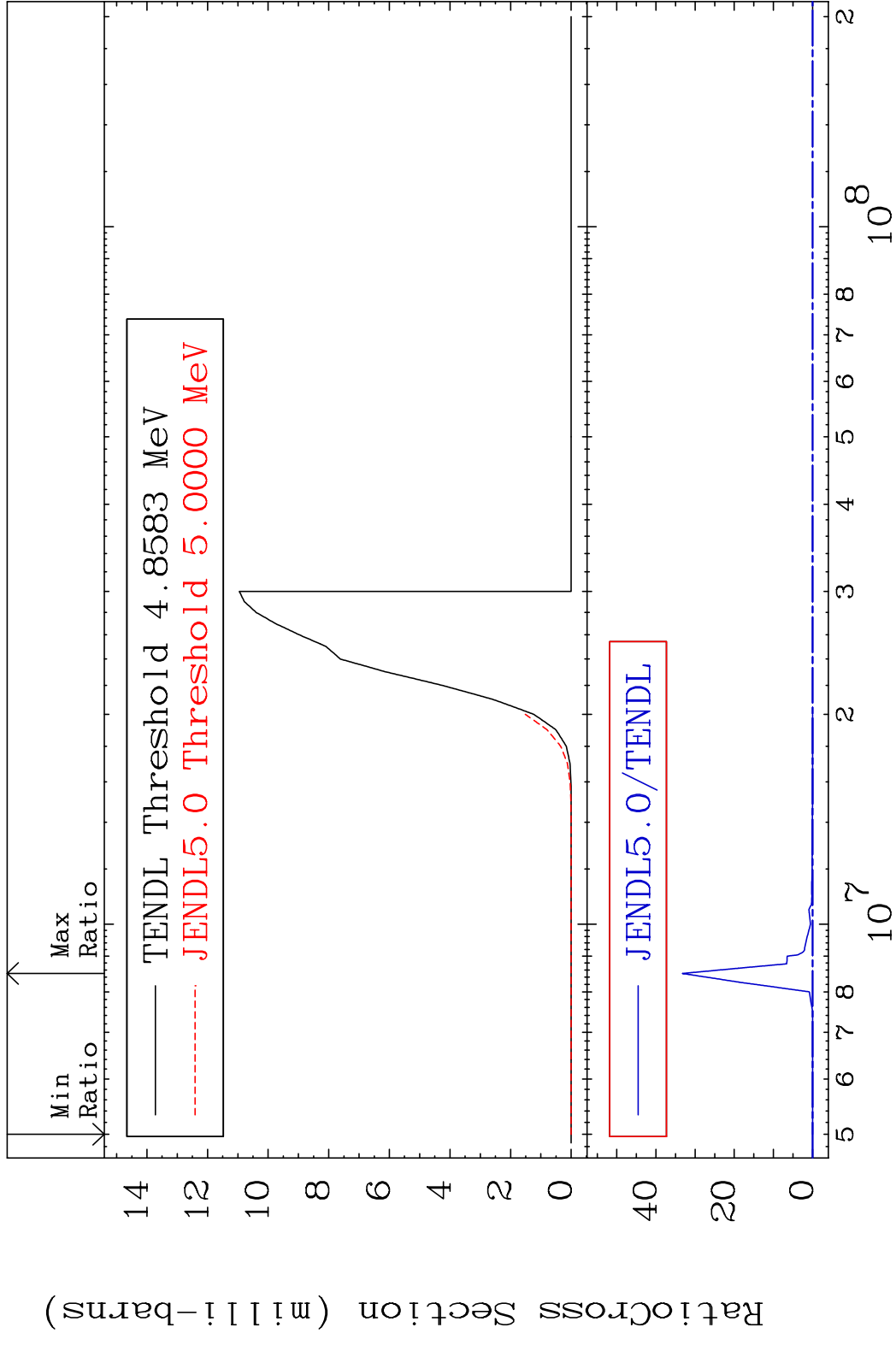


5

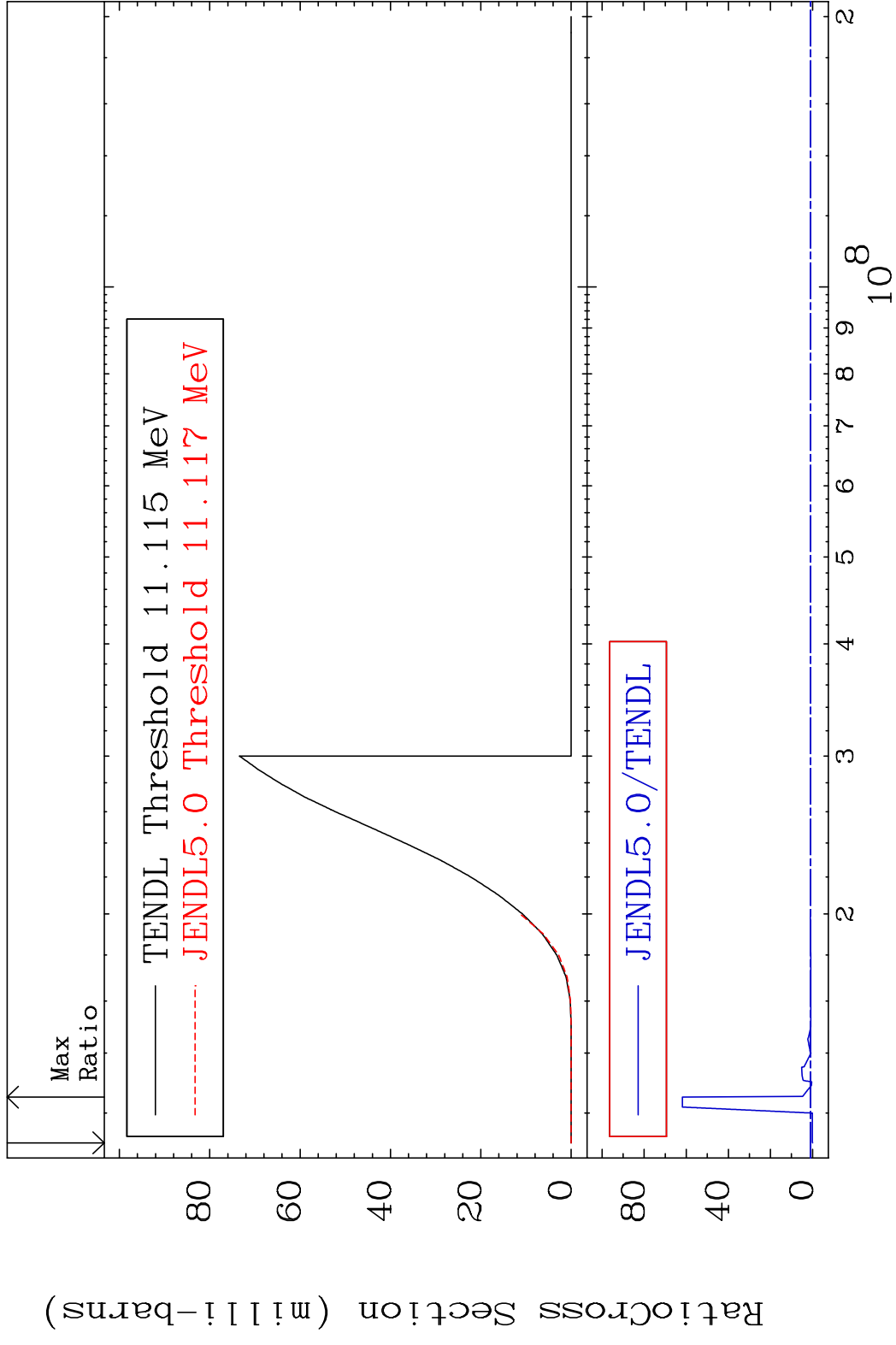
Incident Energy (eV)

48-Cd-116

MAT 4855 (n, n') α 48-Cd-116
 Cross Section -100.0 To 9999. %



MAT 4855 (n, n') p 48-Cd-116
 Cross Section -100.0 To 6085. %

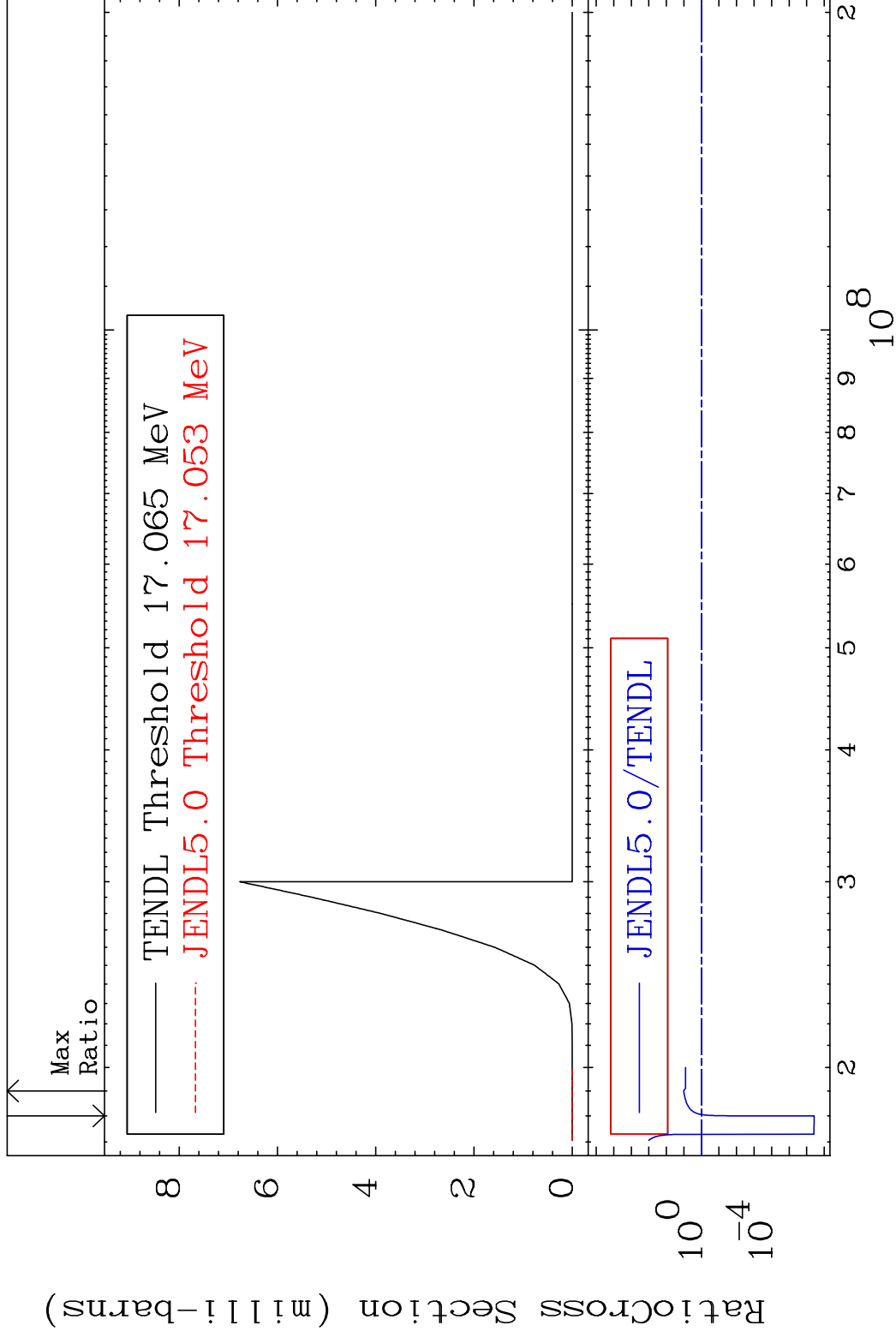


MAT 4855

(n, n') d

48-Cd-116

Cross Section -100.0 To 931.6 %

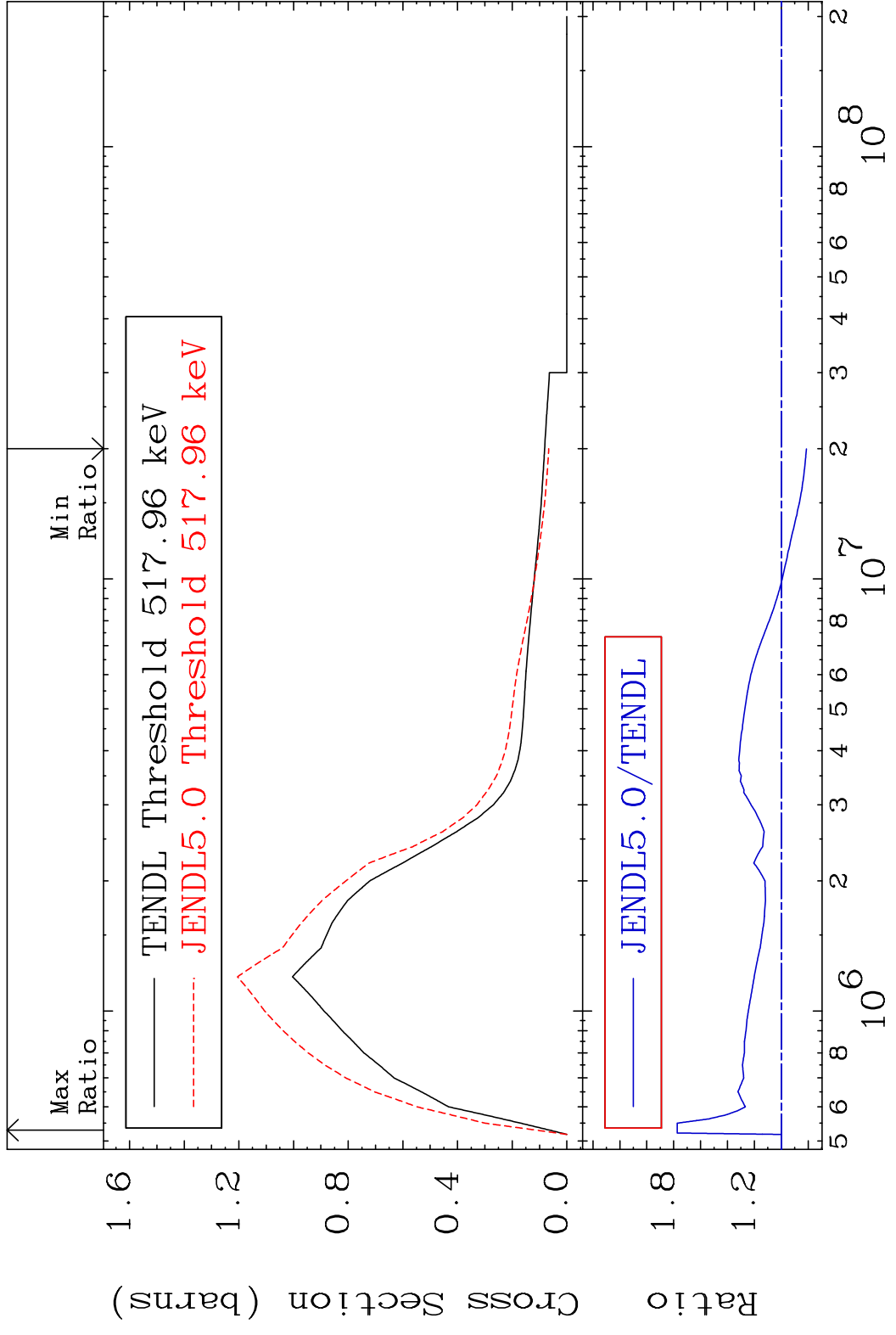


8

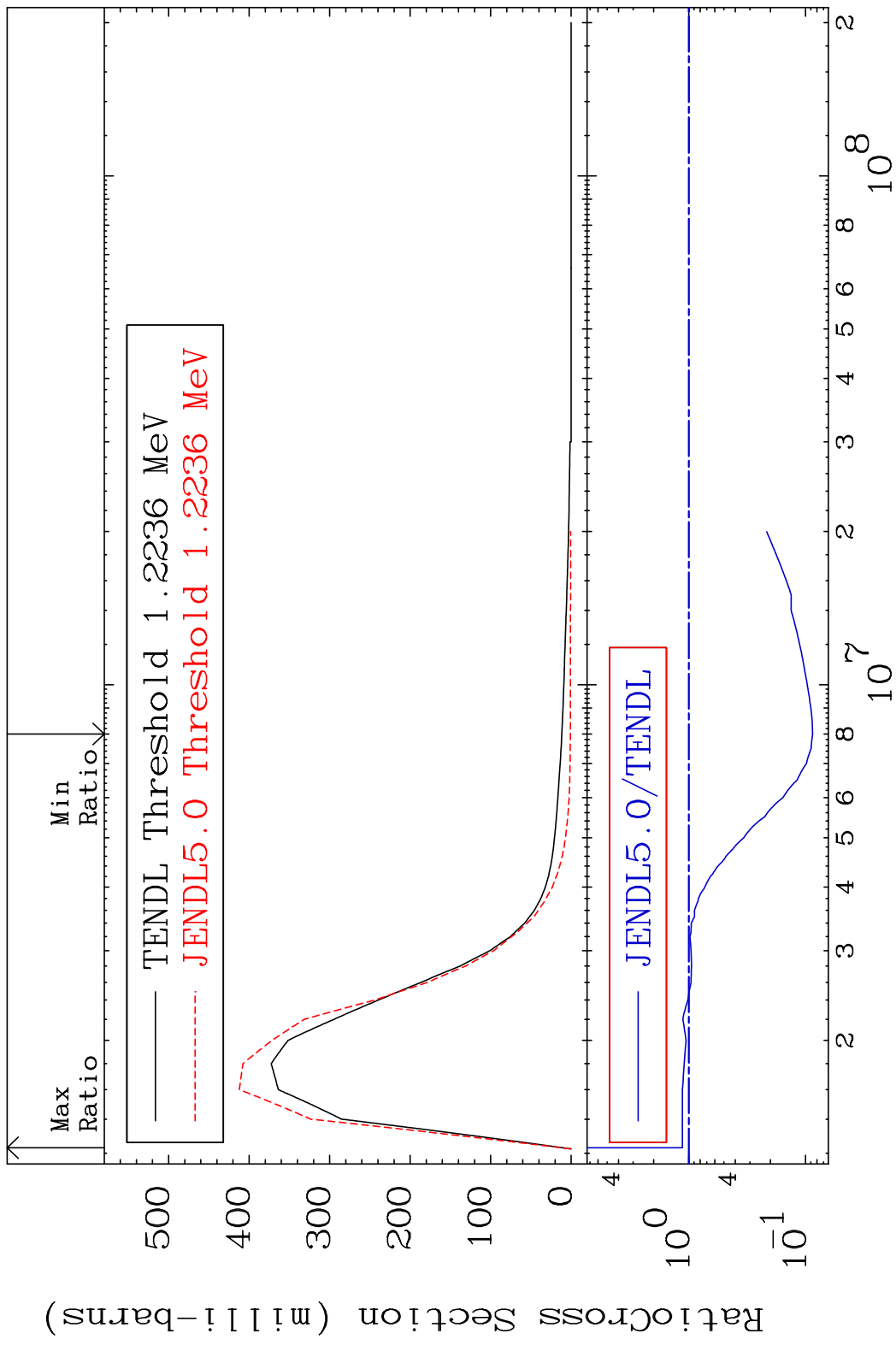
Incident Energy (eV)

48-Cd-116

MAT 4855 MT= 51 (n, n') Level 48-Cd-116
 Cross Section -18.68 To 77.38 %

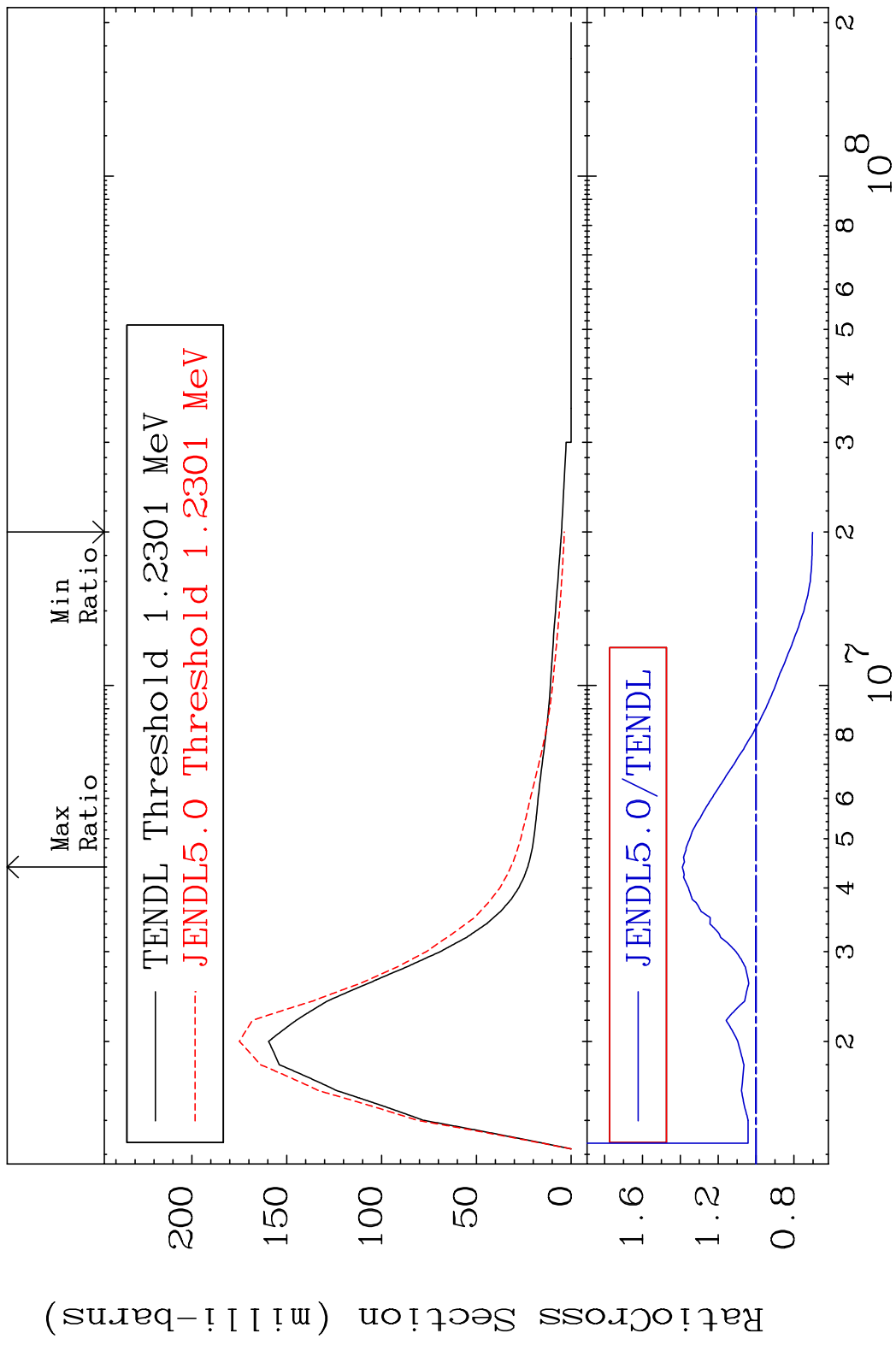


MAT 4855 MT= 52 (n,n') Level 48-Cd-116
 Cross Section -91.29 To 13.54 %

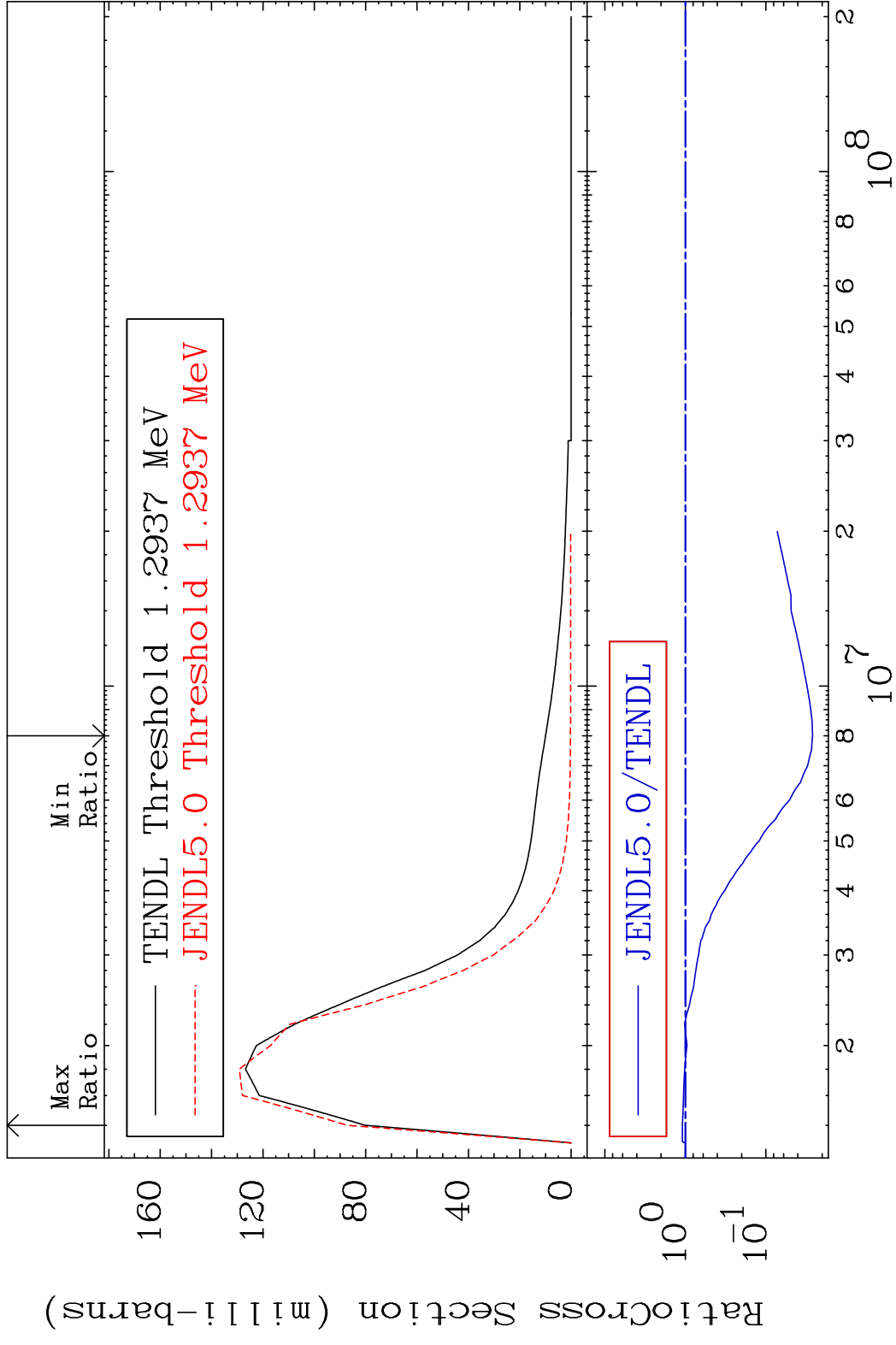


10 Incident Energy (eV) 48-Cd-116

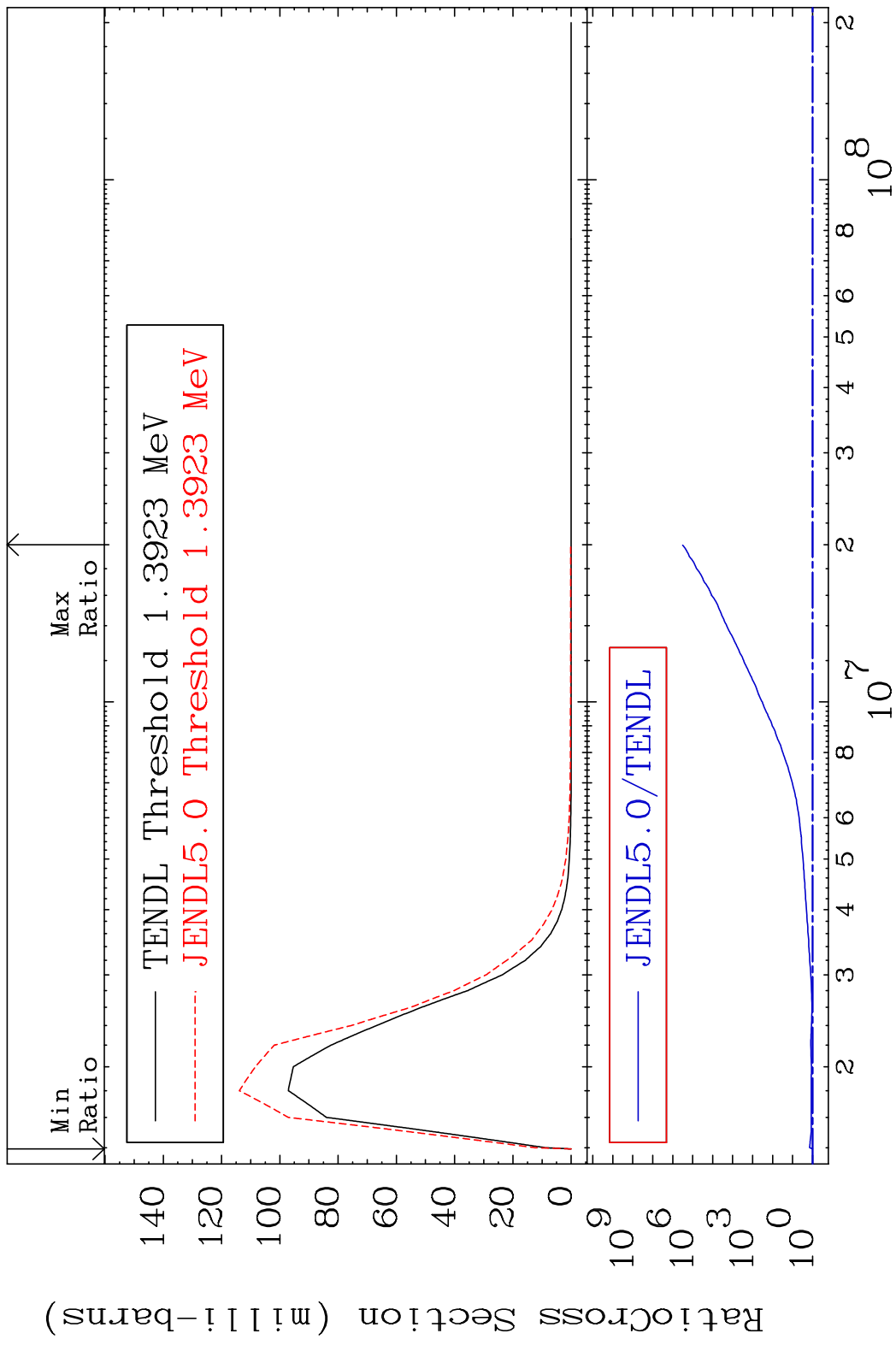
MAT 4855 MT= 53 (n, n') Level 48-Cd-116
 Cross Section -29.79 To 38.95 %



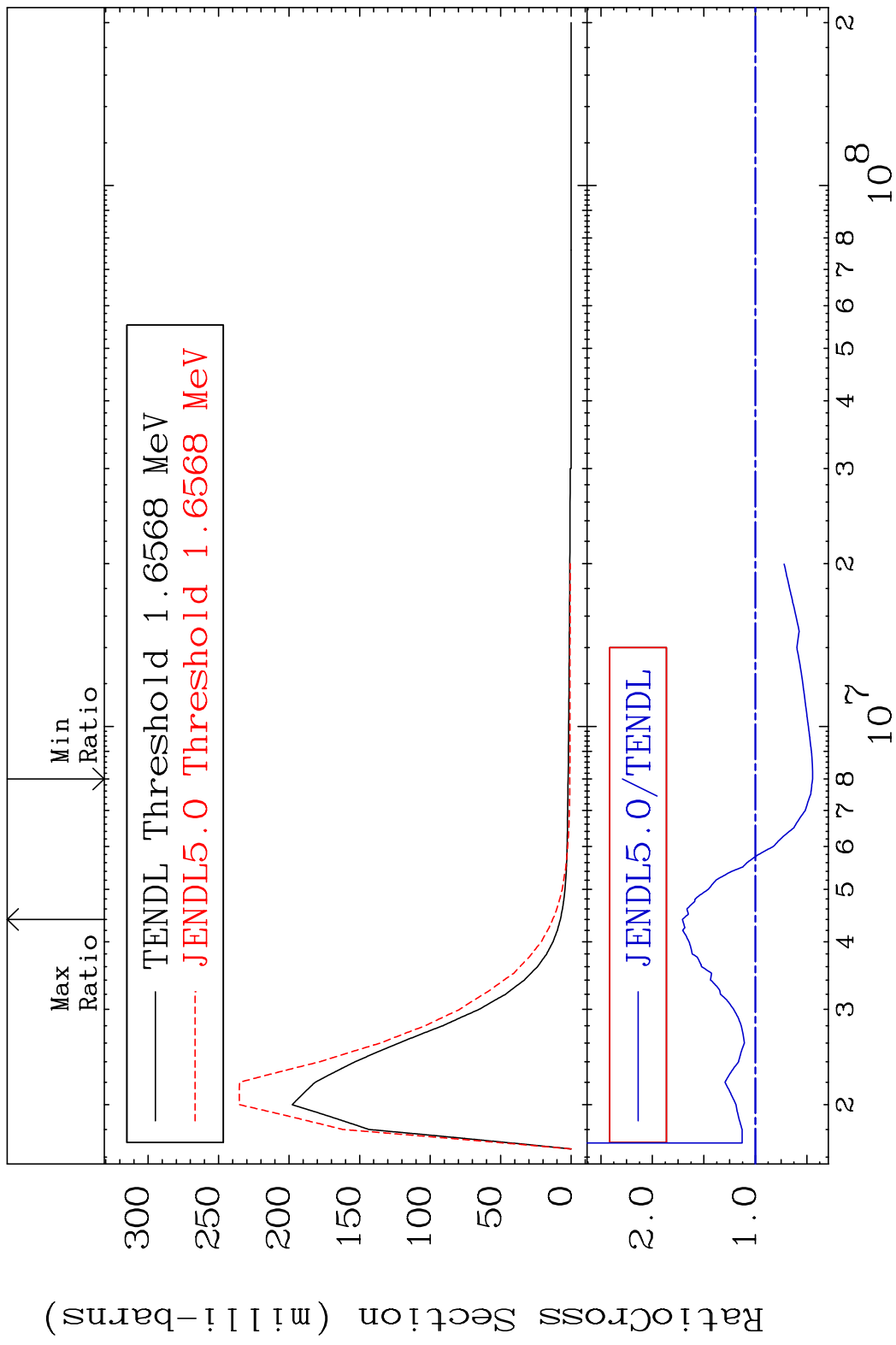
MAT 4855 MT= 54 (n,n') Level 48-Cd-116
 Cross Section -97.37 To 8.775 %



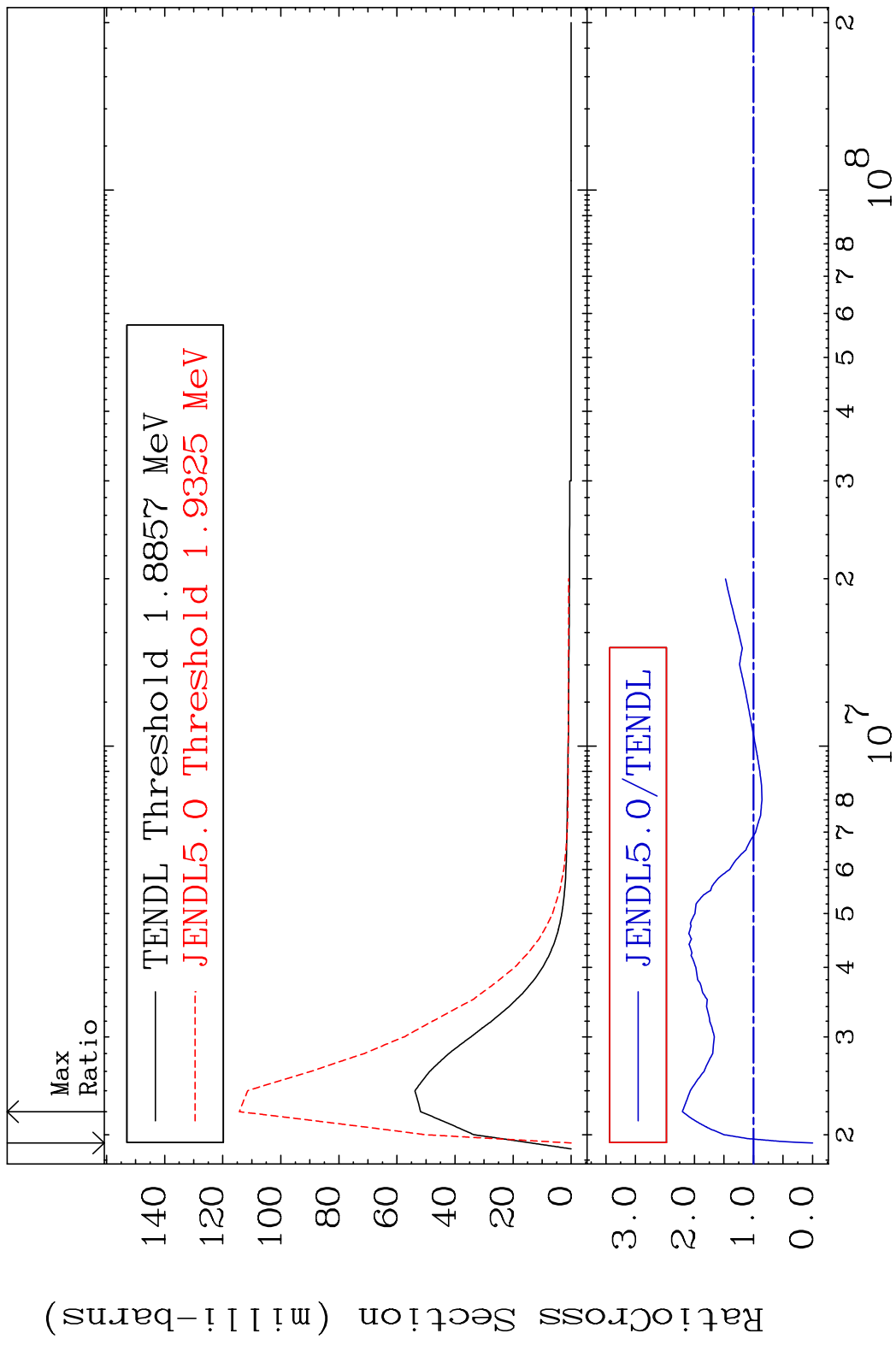
MAT 4855 MT= 55 (n, n') Level 48-Cd-116
 Cross Section 0.000 To 9999. %



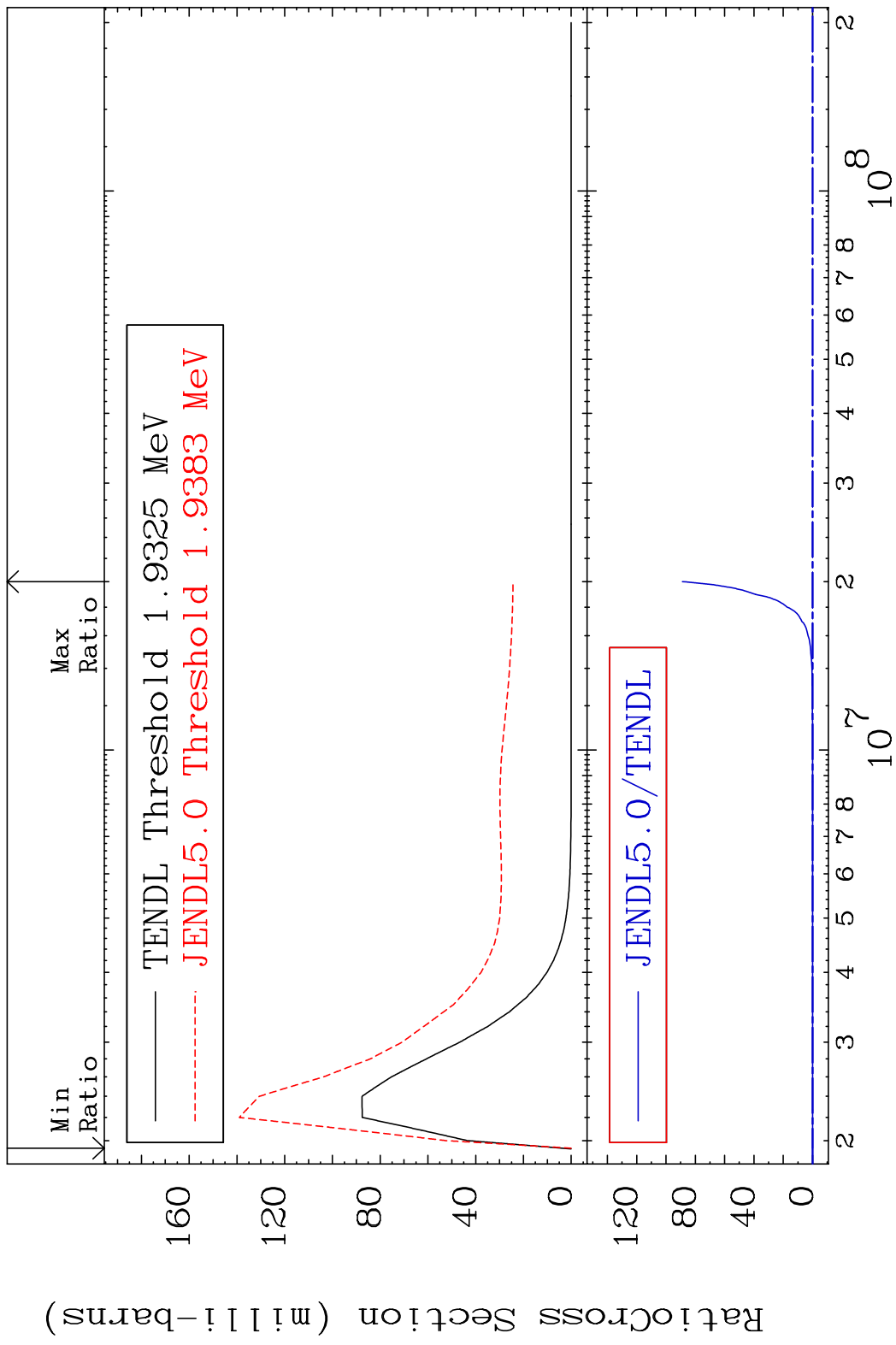
MAT 4855 MT= 56 (n,n') Level 48-Cd-116
 Cross Section -55.52 To 70.89 %



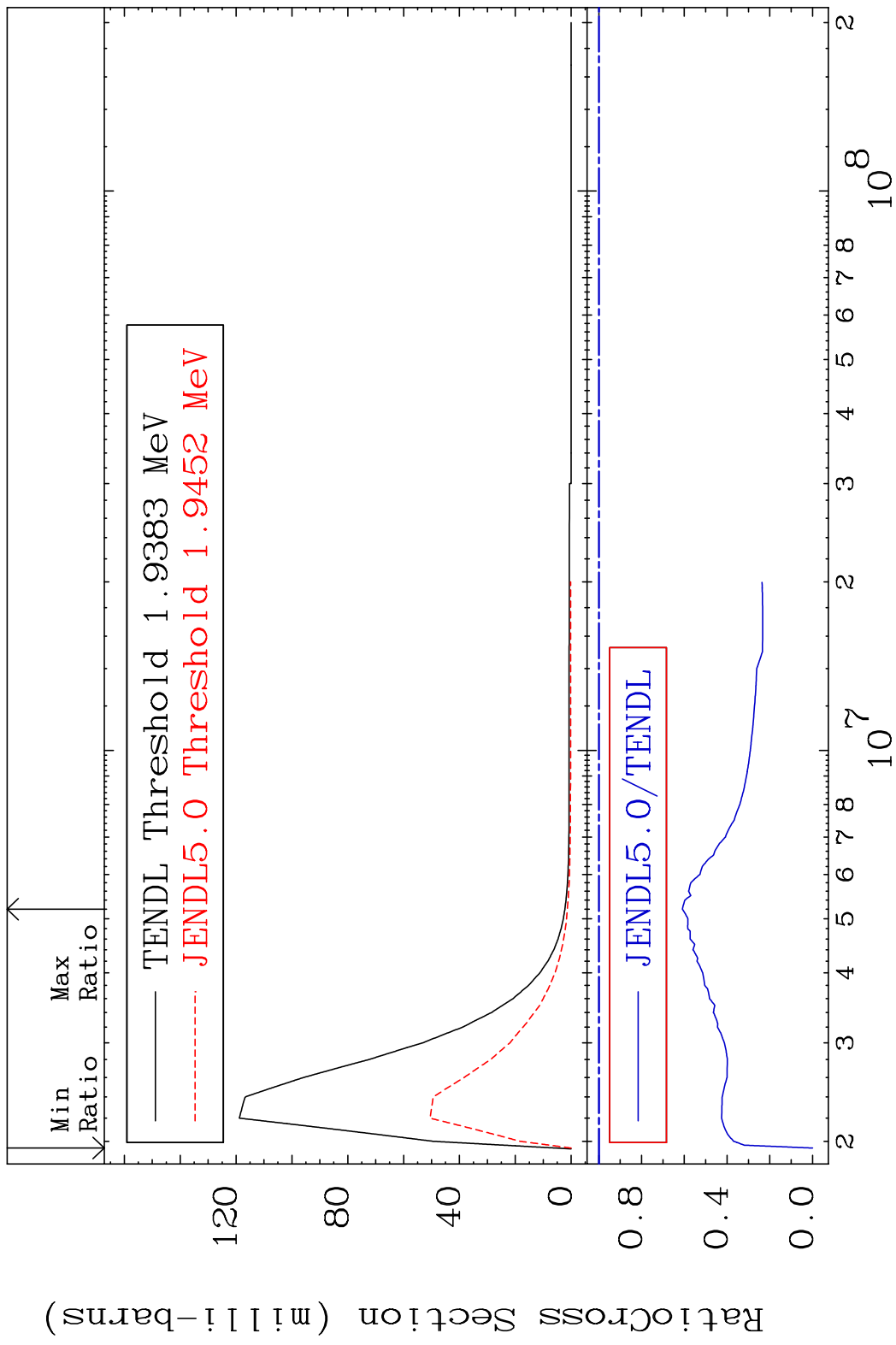
MAT 4855 MT= 57 (n, n') Level 48-Cd-116
 Cross Section -100.0 To 120.5 %



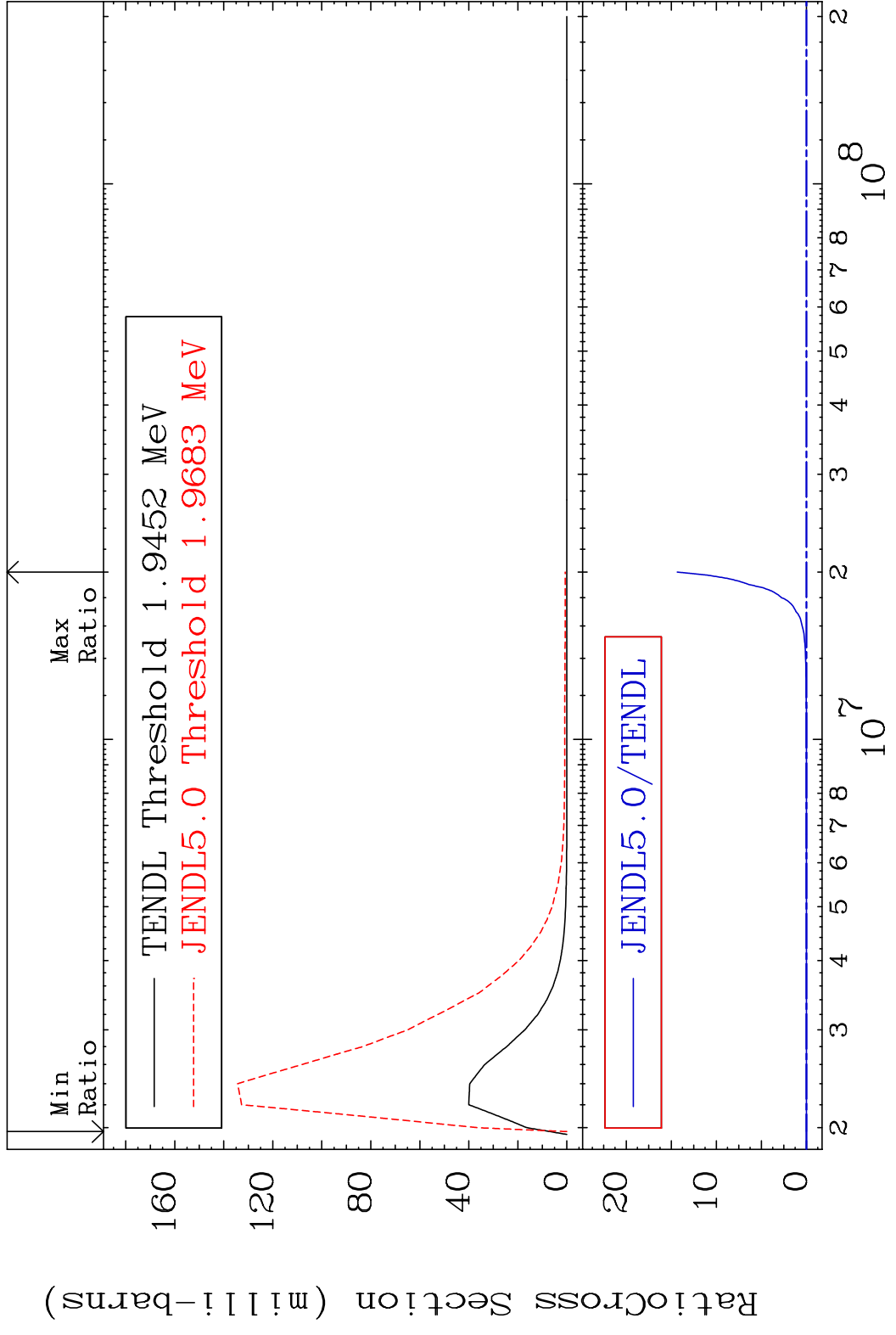
MAT 4855 MT= 58 (n, n') Level 48-Cd-116
 Cross Section -100.0 To 9999. %



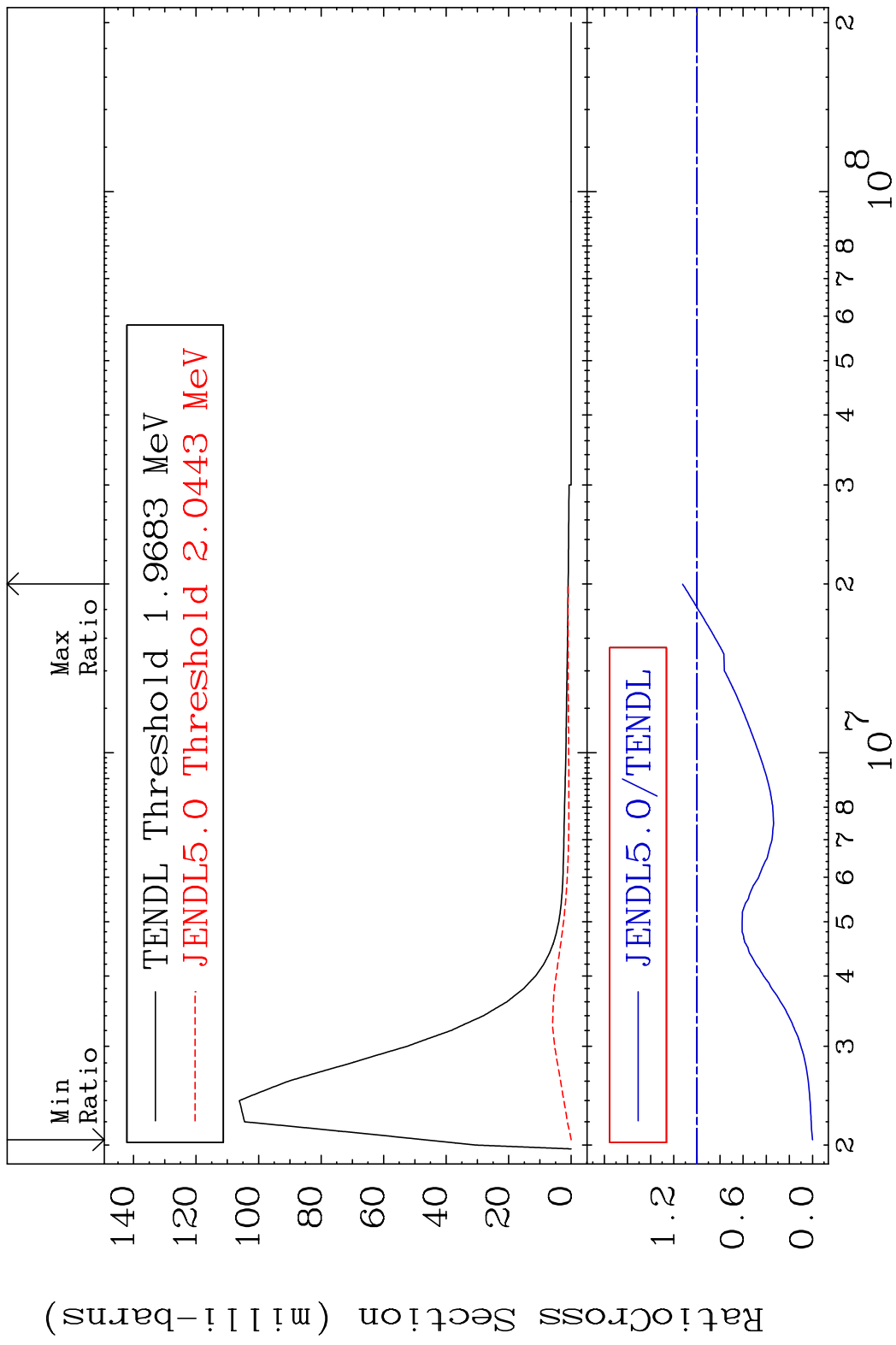
MAT 4855 MT= 59 (n,n') Level 48-Cd-116
 Cross Section -100.0 To -39.08%



MAT 4855 MT= 60 (n, n') Level 48-Cd-116
 Cross Section -100.0 To 9999. %



MAT 4855 MT= 61 (n, n') Level 48-Cd-116
 Cross Section -100.0 To 12.58 %

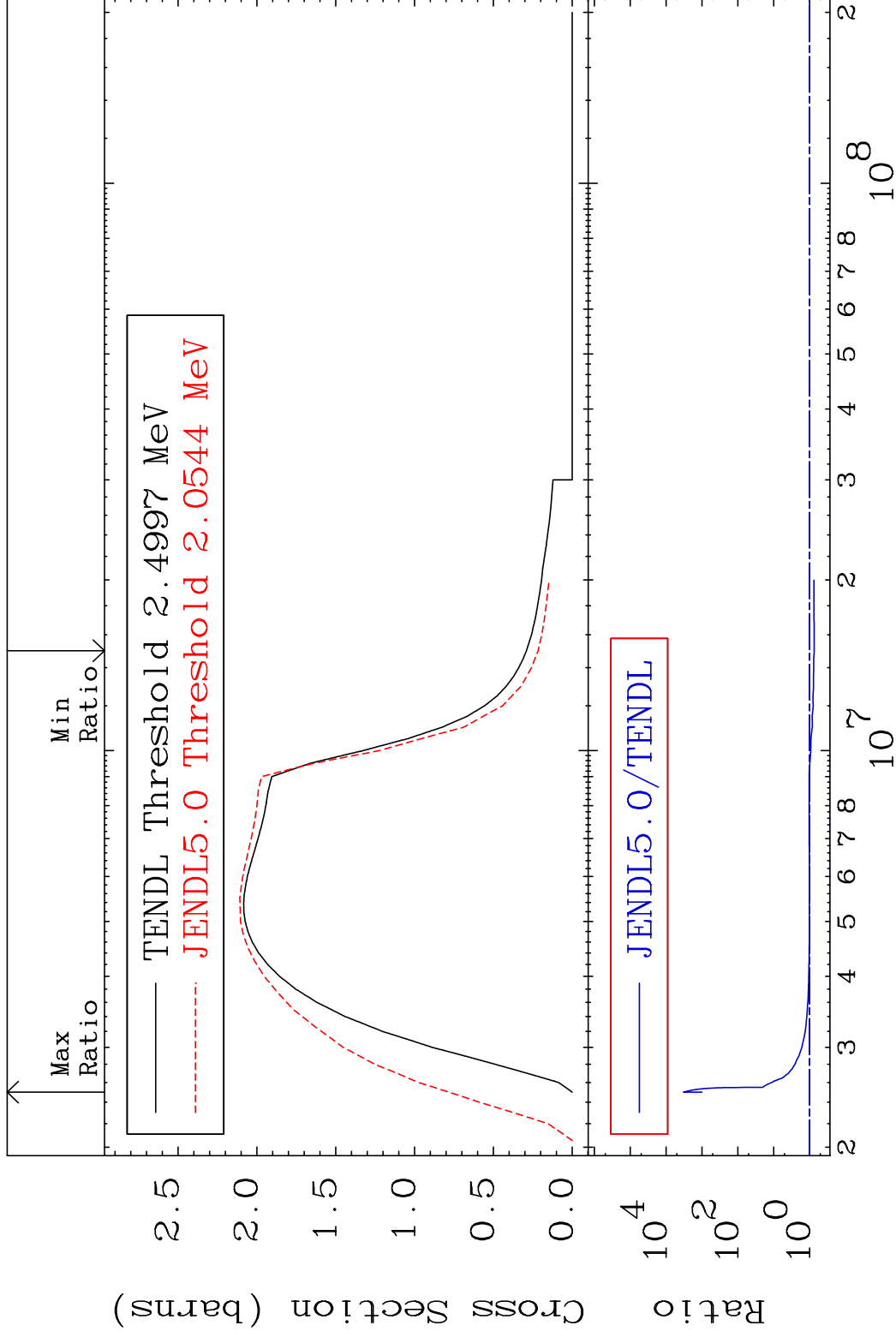


MAT 4855

(n,n') Continuum

48-Cd-116

Cross Section -25.36 To 9999. %



20

Incident Energy (eV)

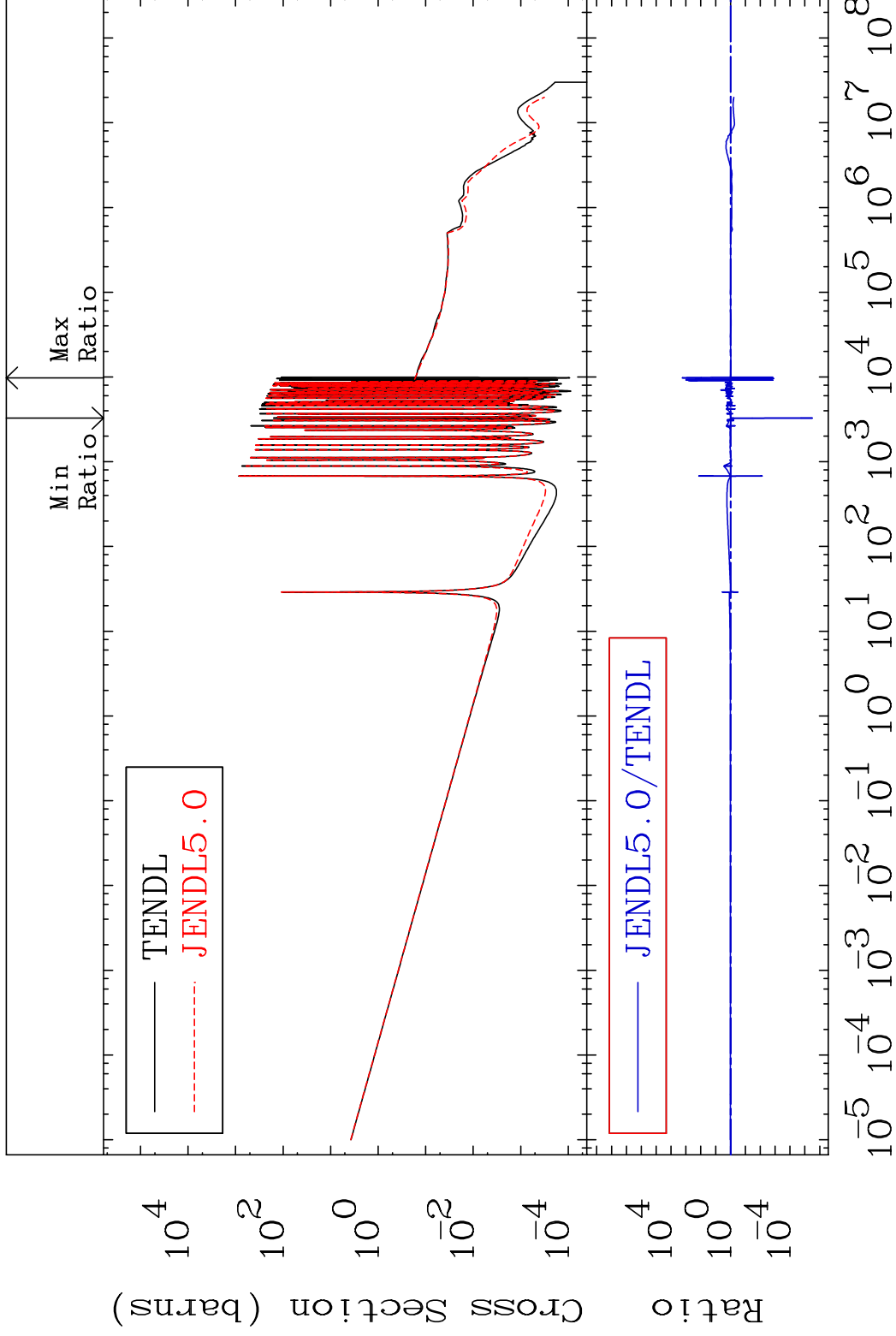
48-Cd-116

MAT 4855

(n, γ)

48-Cd-116

Cross Section -100.0 To 9999. %

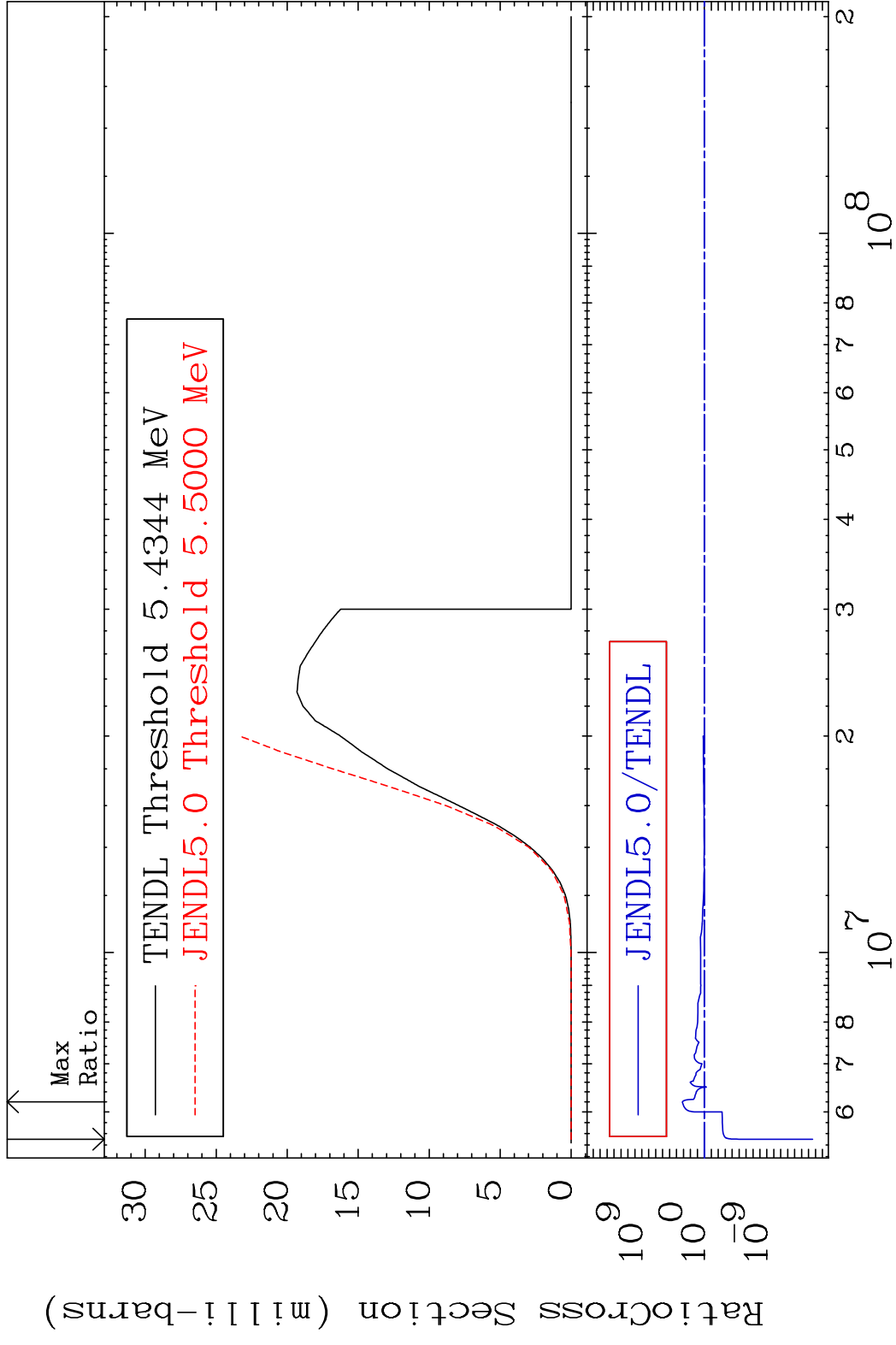


21

Incident Energy (eV)

48-Cd-116

MAT 4855 (n,p) 48-Cd-116
 Cross Section -100.0 To 9999. %

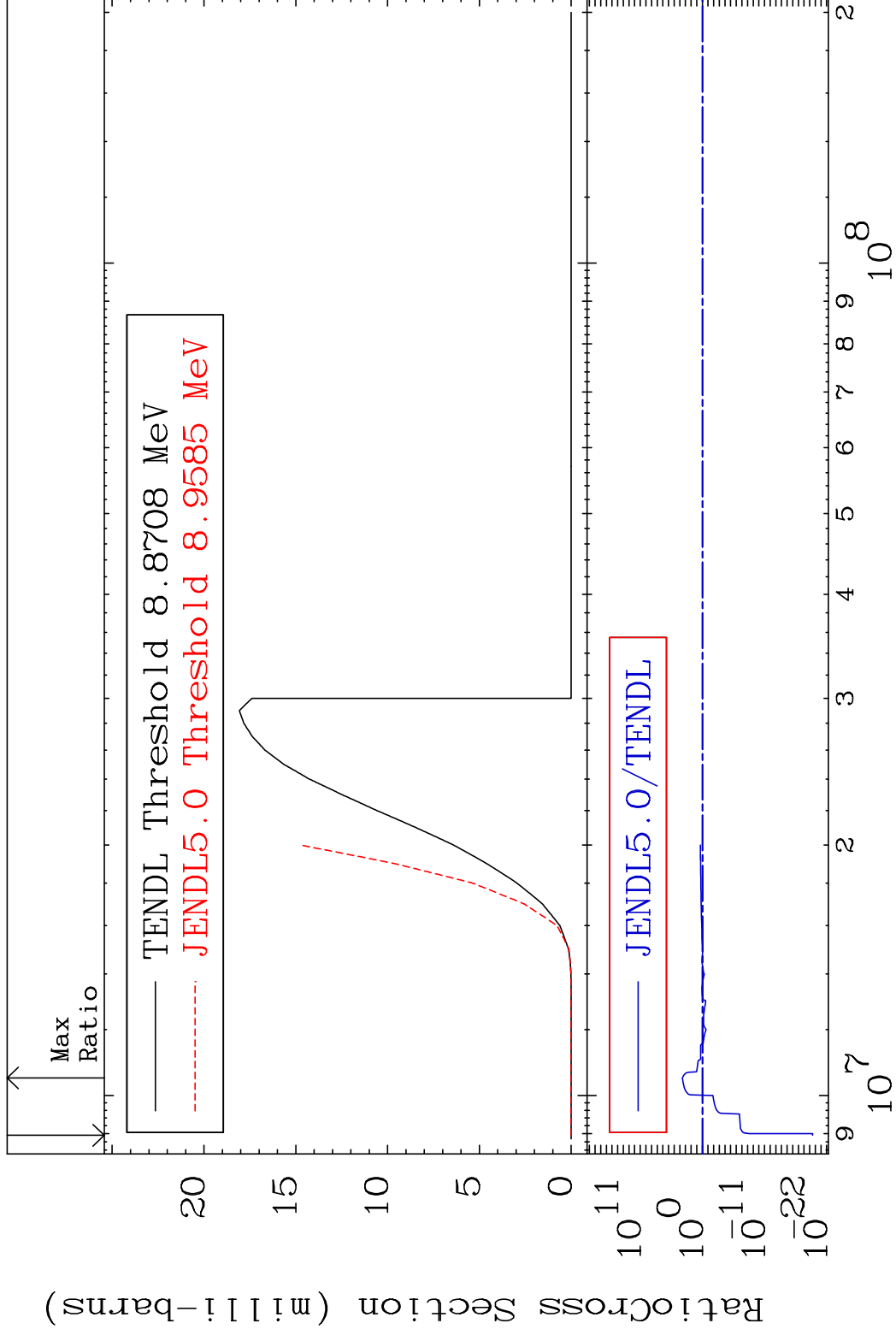


MAT 4855

(n,d)

48-Cd-116

Cross Section -100.0 To 9999. %



23

Incident Energy (eV)

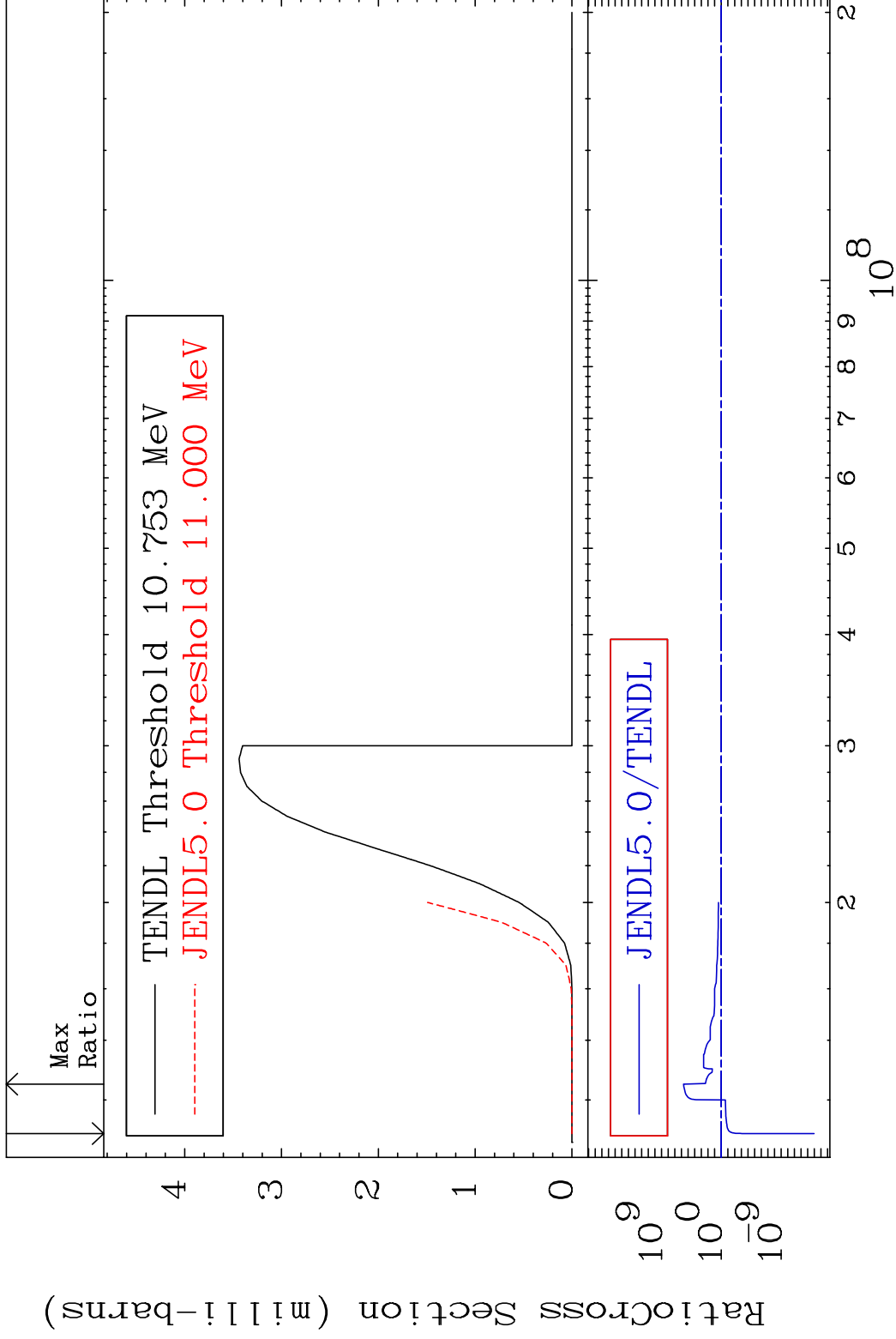
48-Cd-116

MAT 4855

(n, t)

48-Cd-116

Cross Section -100.0 To 9999. %

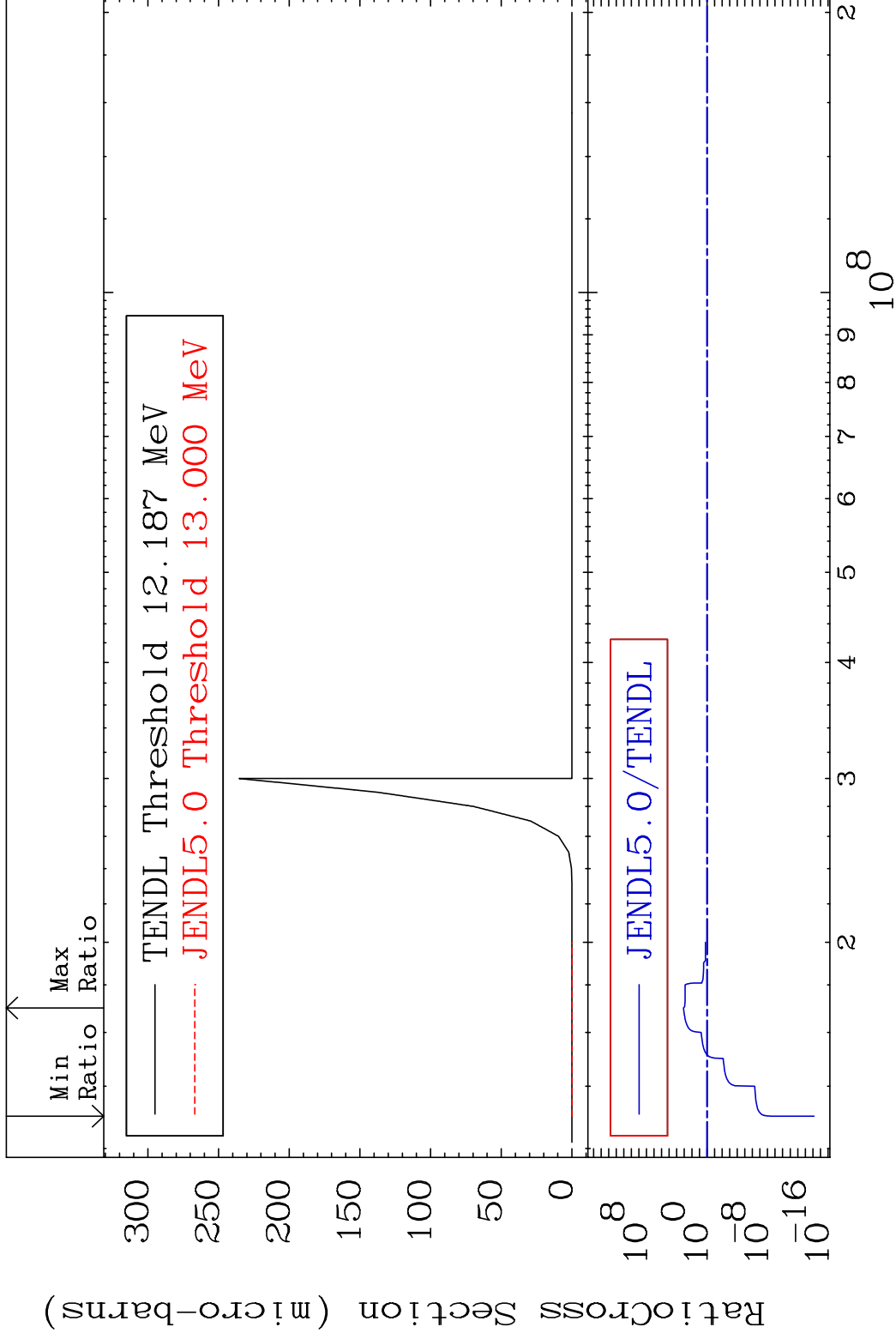


MAT 4855

(n, He-3)

48-Cd-116

Cross Section -100.0 To 9999. %



25

Incident Energy (eV)

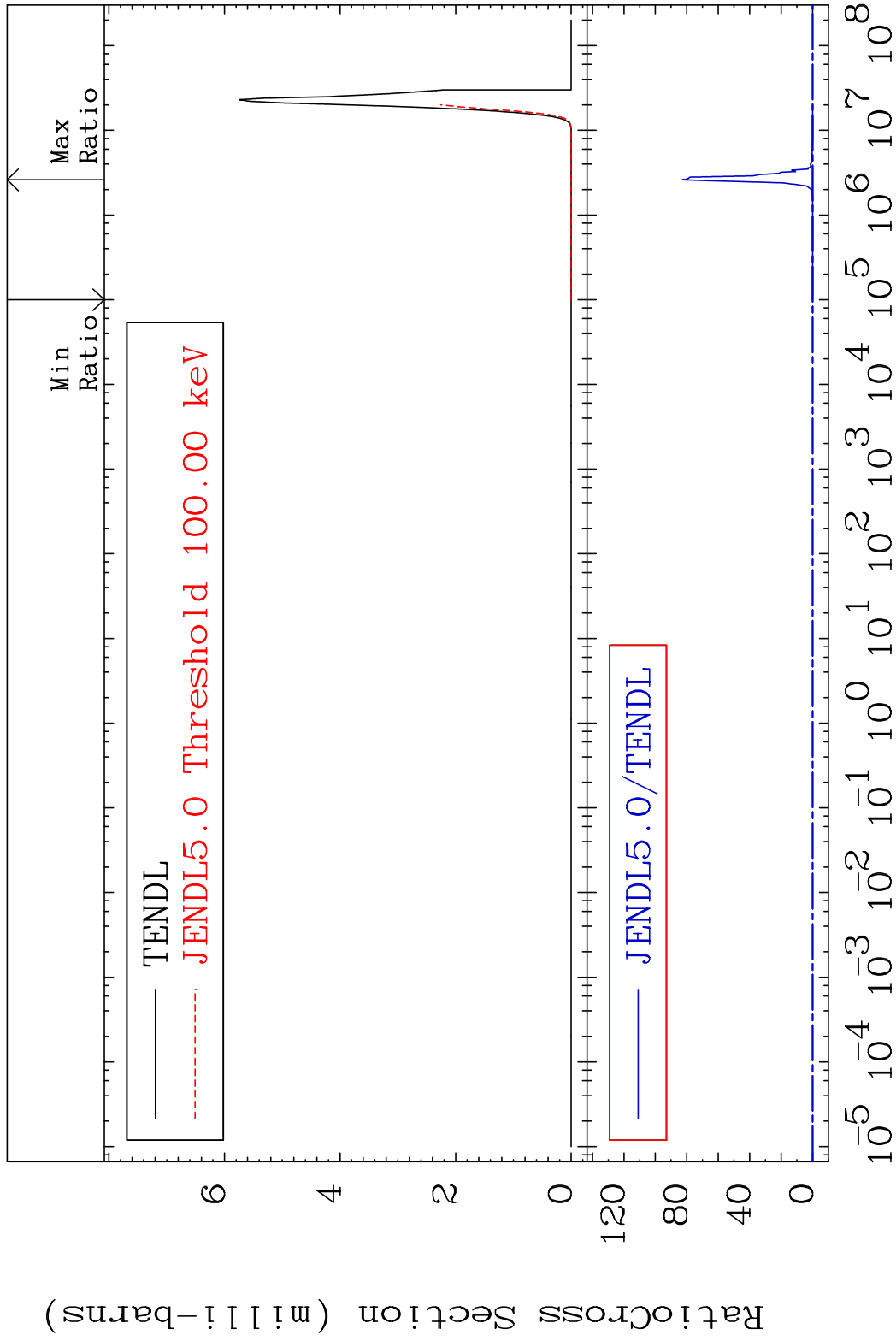
48-Cd-116

MAT 4855

(n, α)

48-Cd-116

Cross Section -100.0 To 9999. %

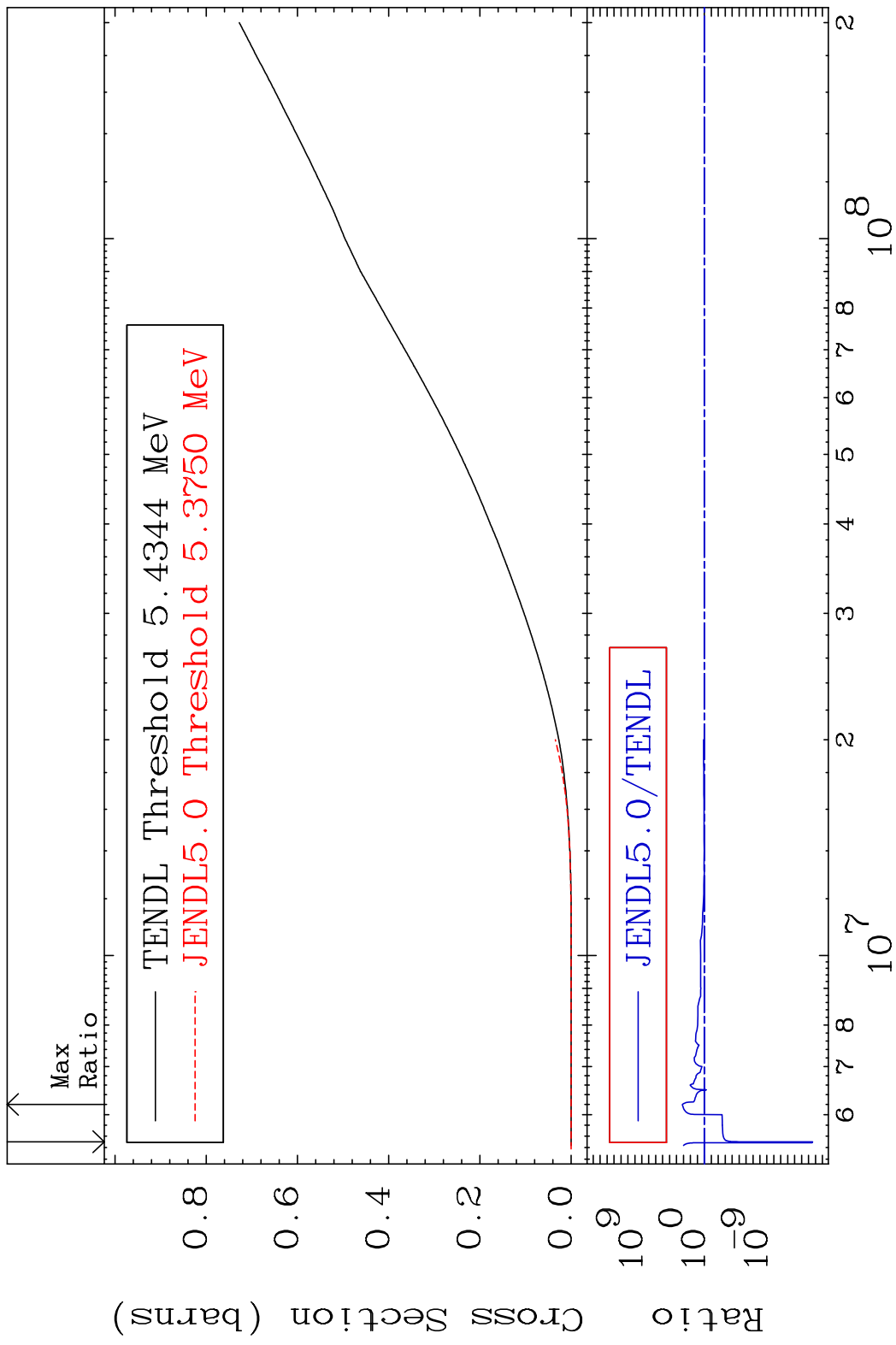


26

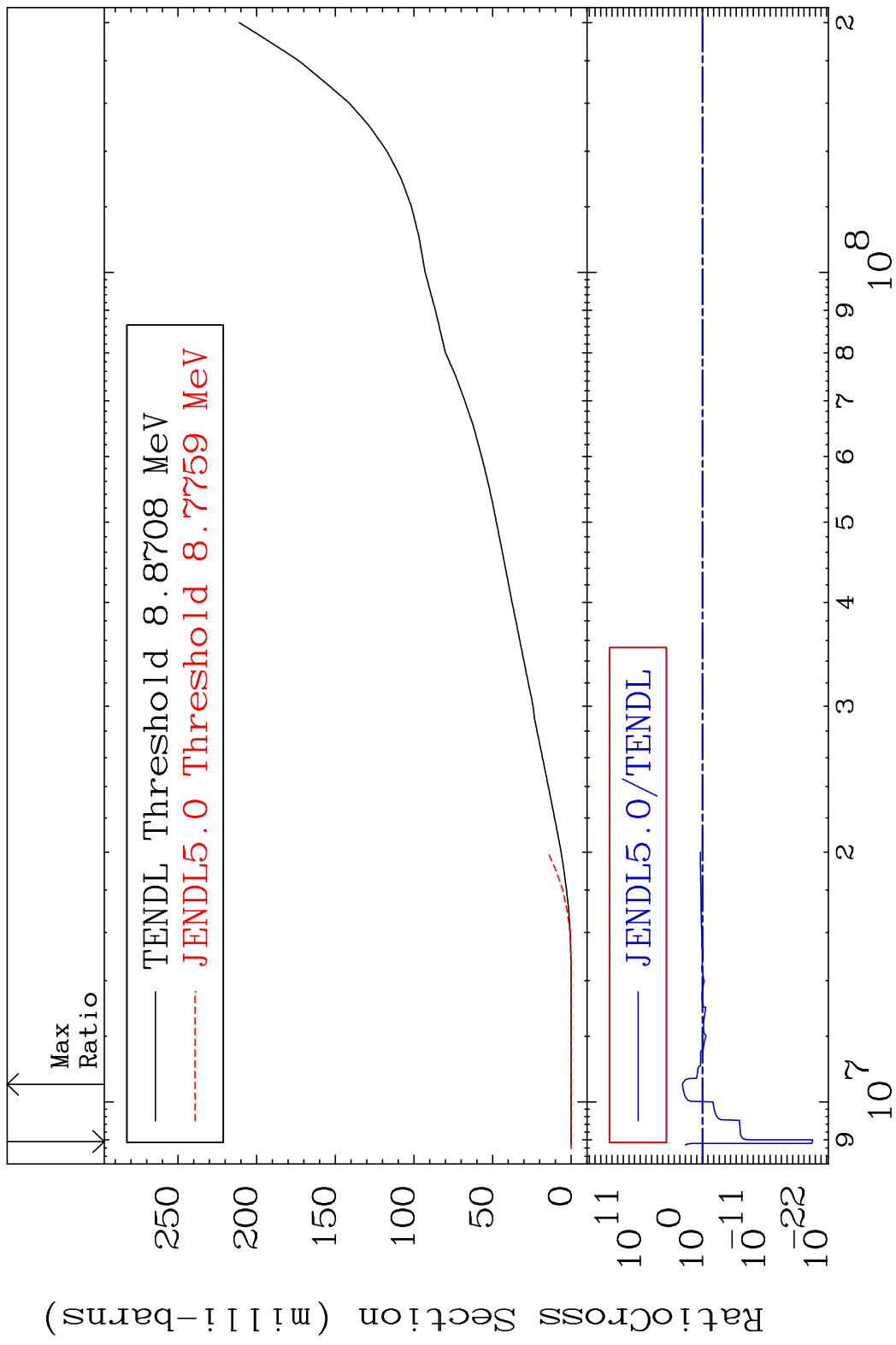
Incident Energy (eV)

48-Cd-116

MAT 4855 Hydrogen Production 48-Cd-116
 Cross Section -100.0 To 9999. %

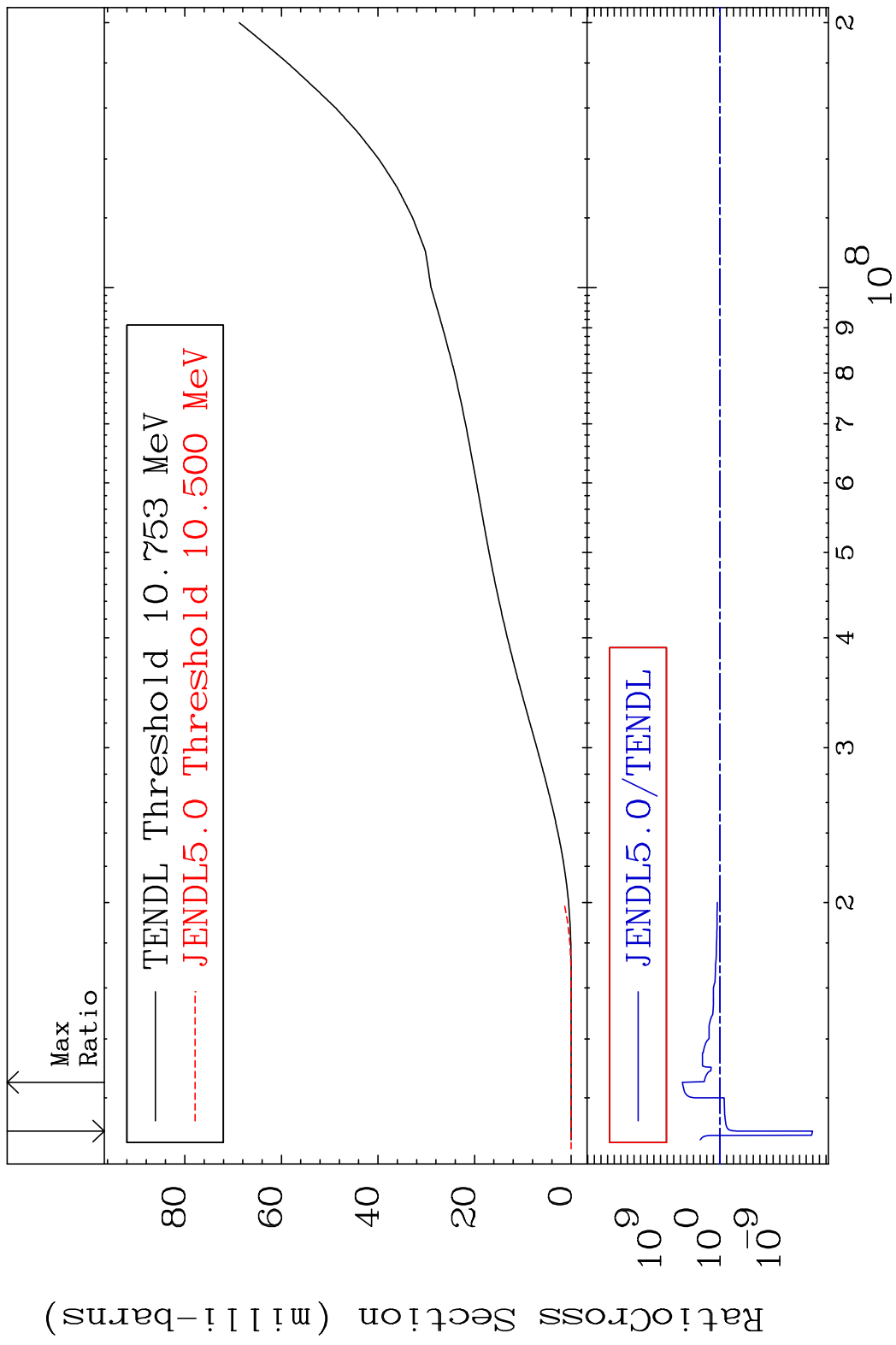


MAT 4855 Deuterium Production 48-Cd-116
 Cross Section -100.0 To 9999. %



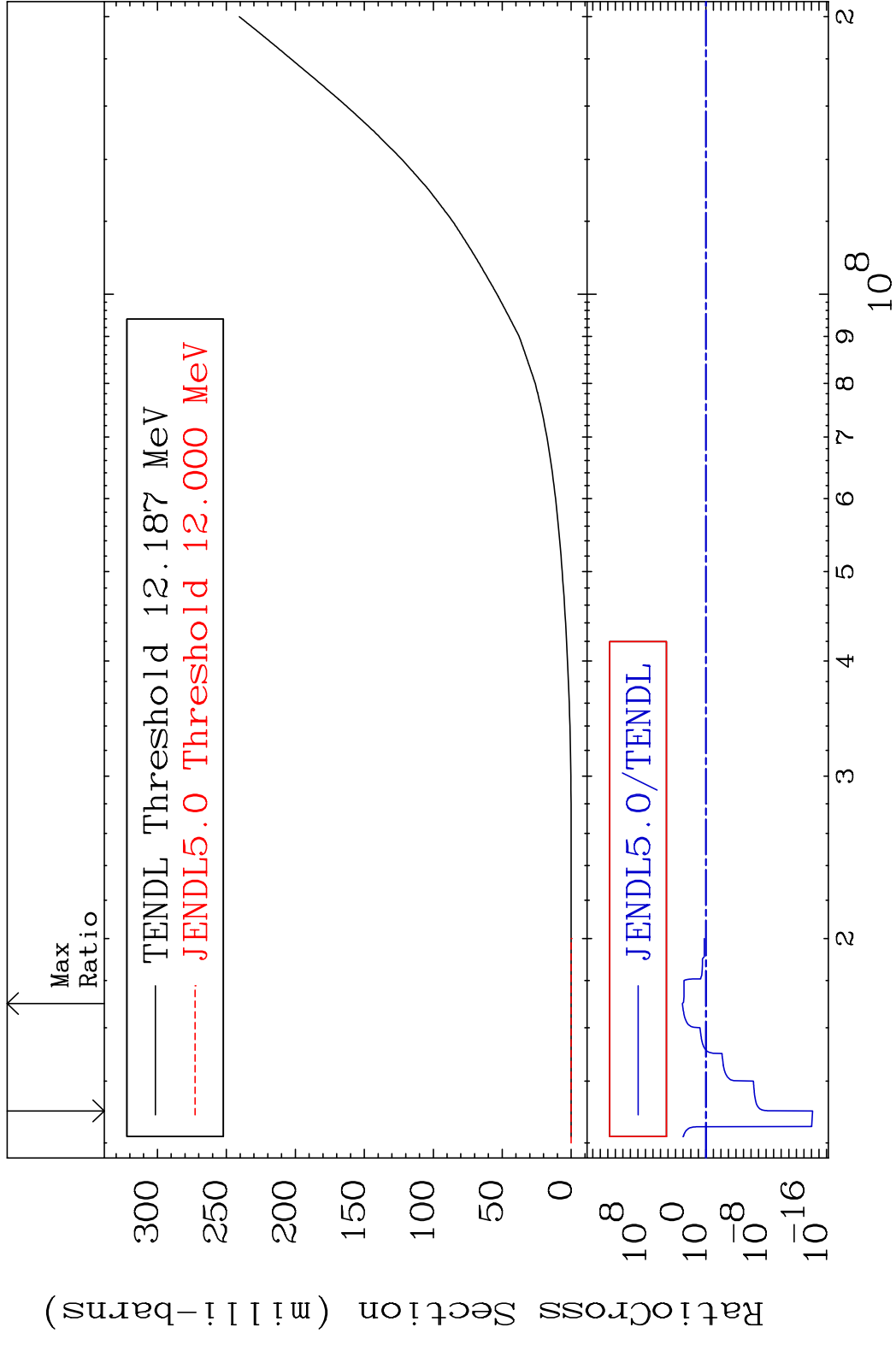
28 Incident Energy (eV) 48-Cd-116

MAT 4855 Tritium Production 48-Cd-116
 Cross Section -100.0 To 9999. %



29 Incident Energy (eV) 48-Cd-116

MAT 4855 He-3 Production 48-Cd-116
 Cross Section -100.0 To 9999. %

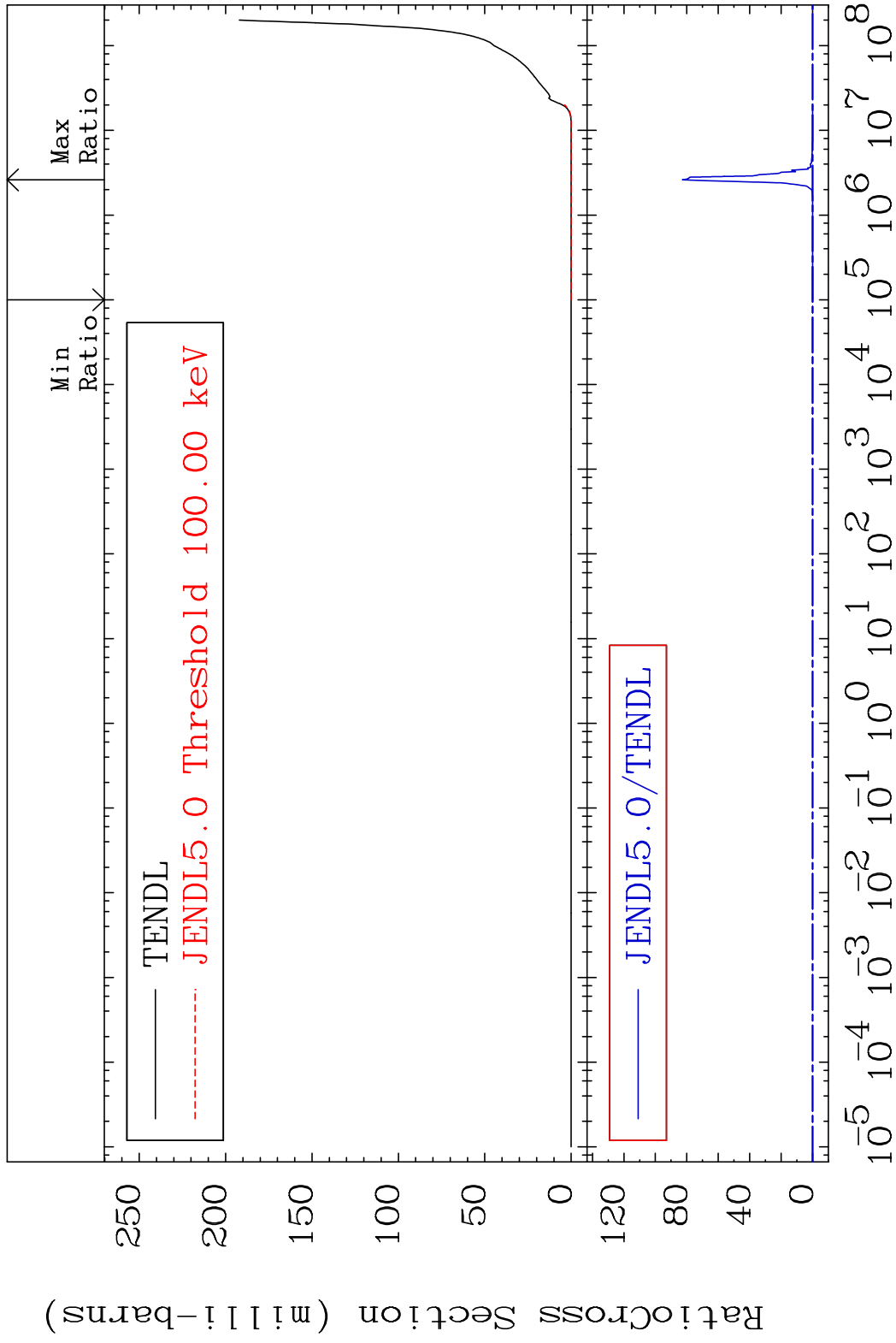


MAT 4855

He-4 Production

48-Cd-116

Cross Section -100.0 To 9999. %

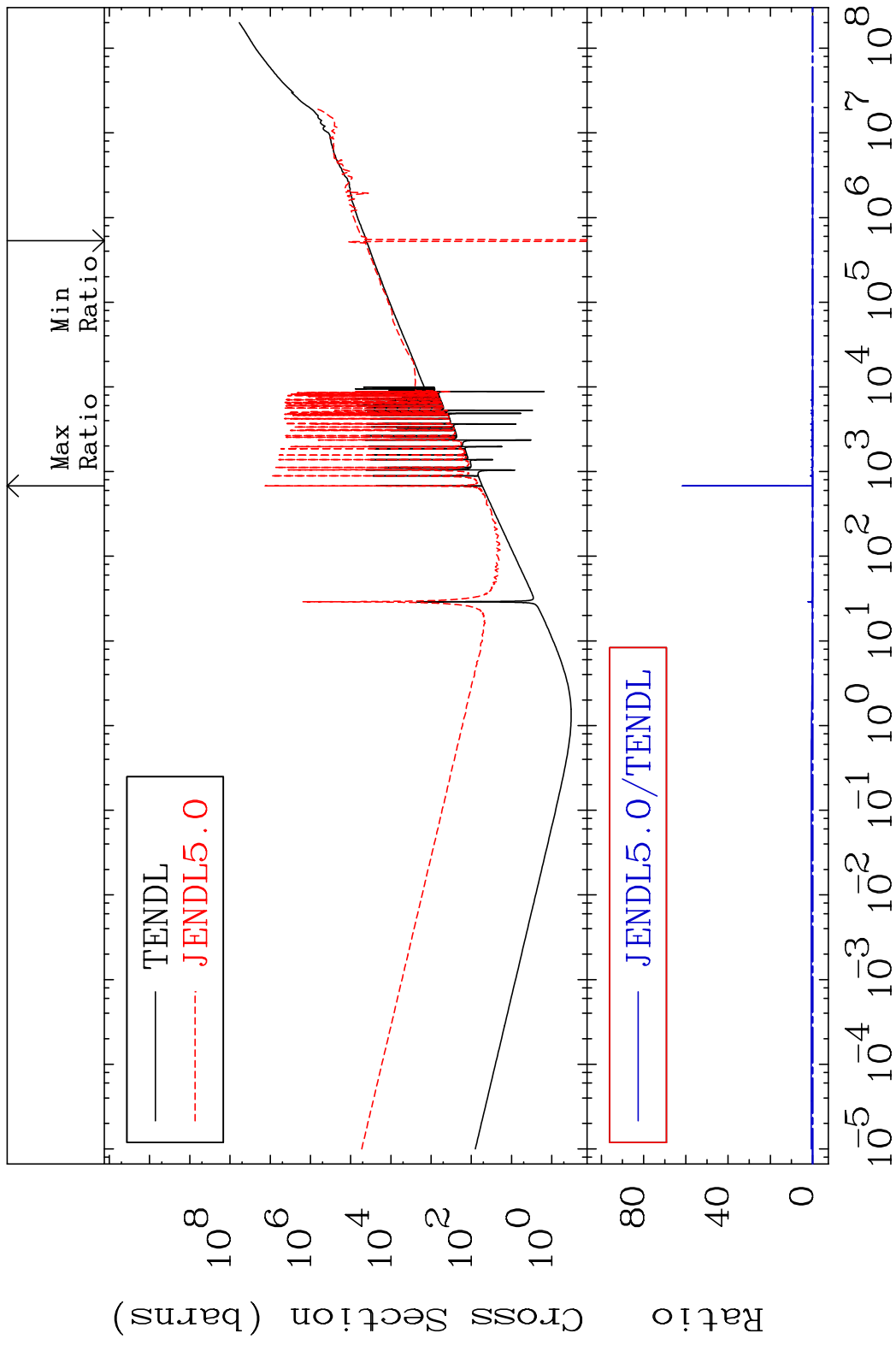


31

Incident Energy (eV)

48-Cd-116

MAT 4855 Kerma total (eV-barns) 48-Cd-116
 Cross Section -319.9 To 9999. %

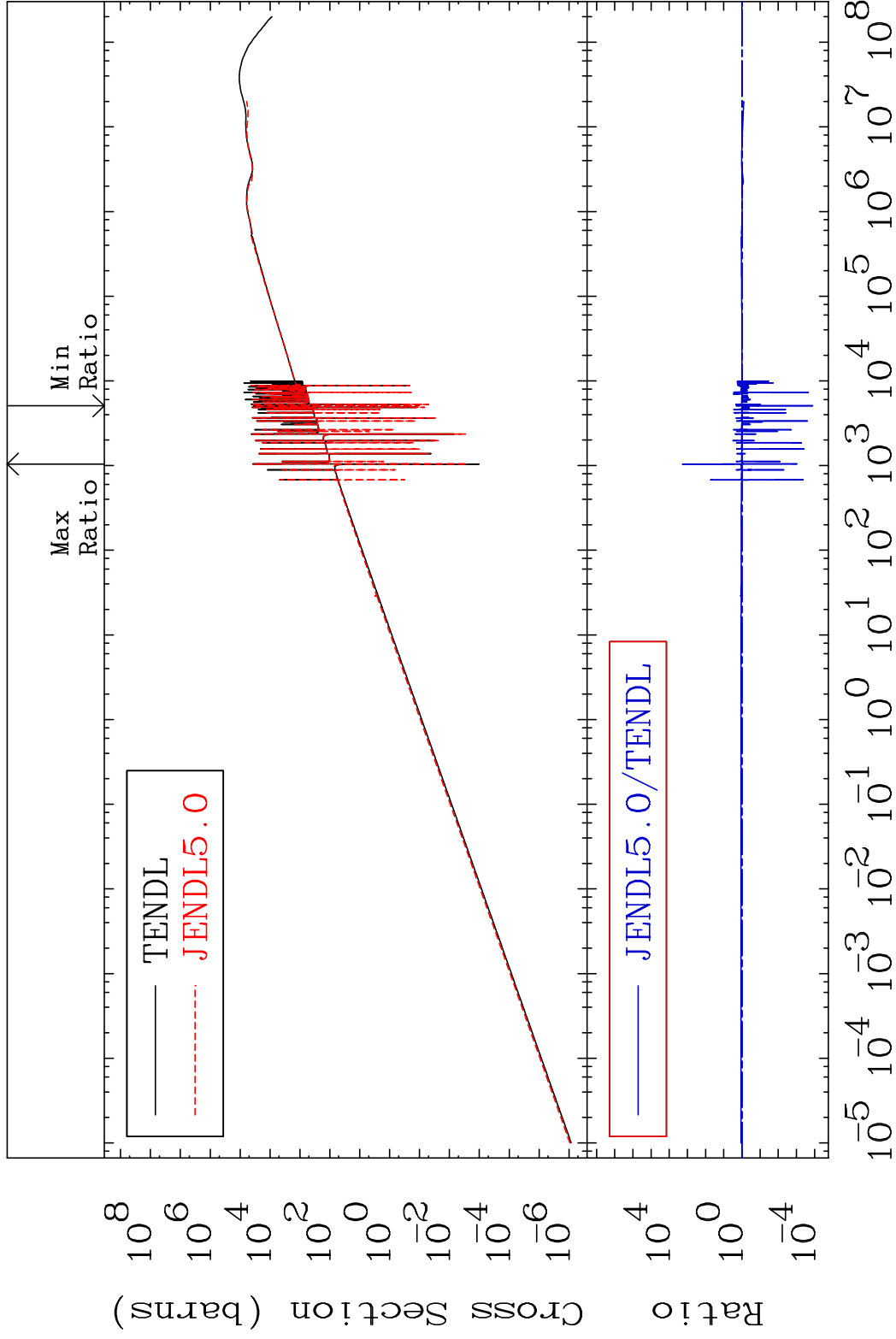


32 Incident Energy (eV) 48-Cd-116

MAT 4855

Kerma elastic
Cross Section

48-Cd-116
-99.99 To 9999. %

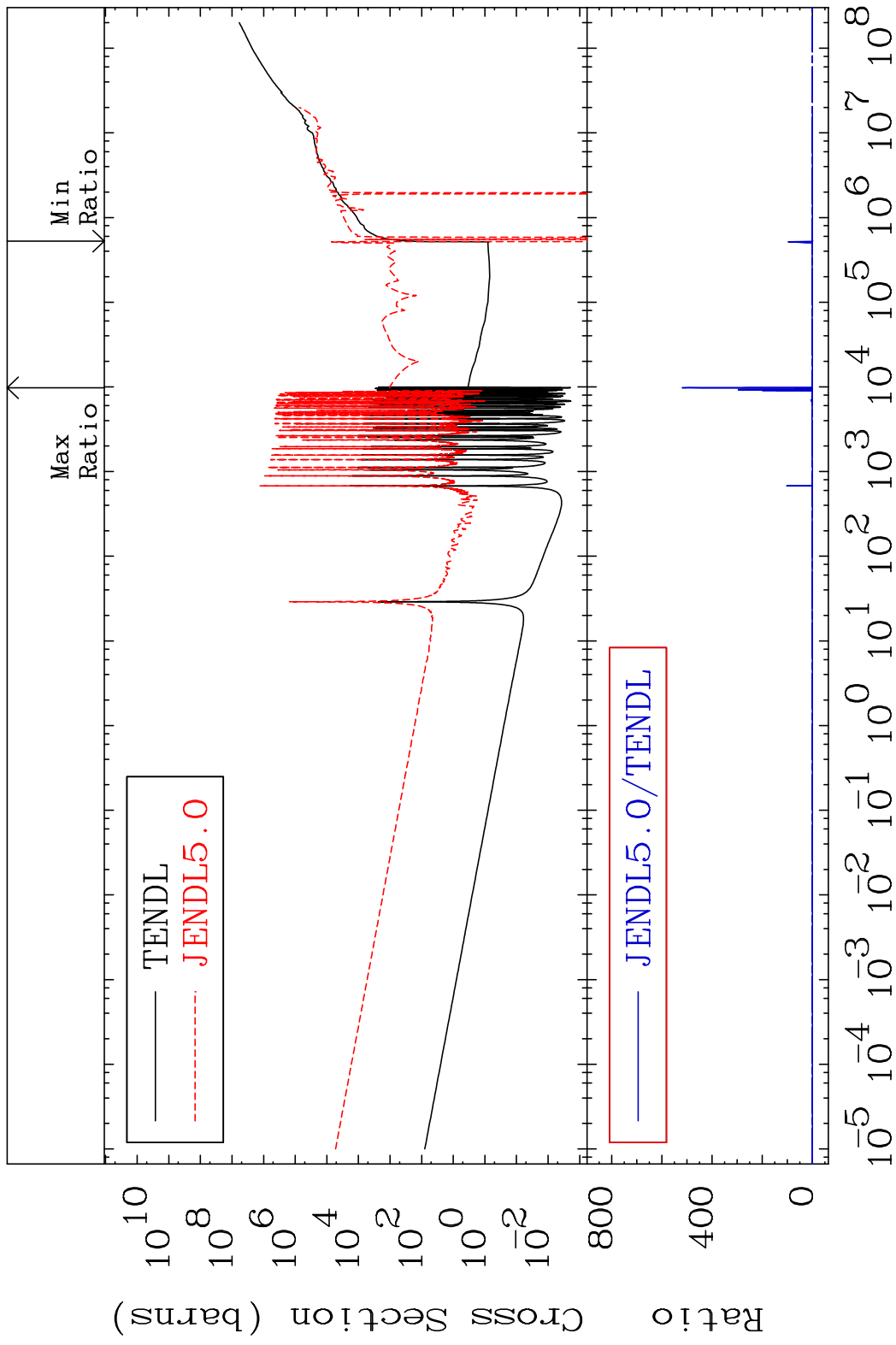


33

Incident Energy (eV)

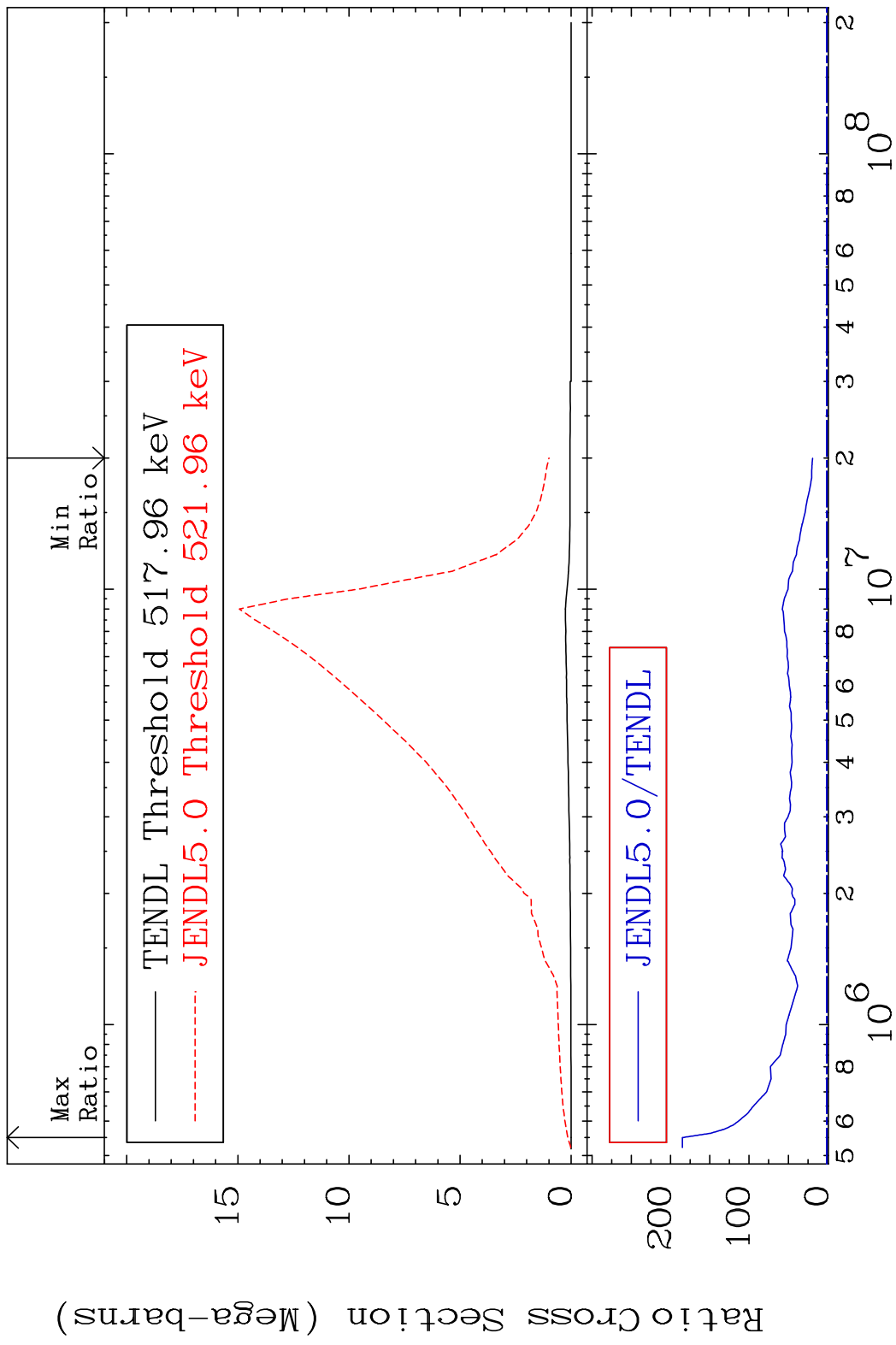
48-Cd-116

MAT 4855 Kerma non-elastic (all but mt2) 48-Cd-116
 Cross Section -9999. To 9999. %

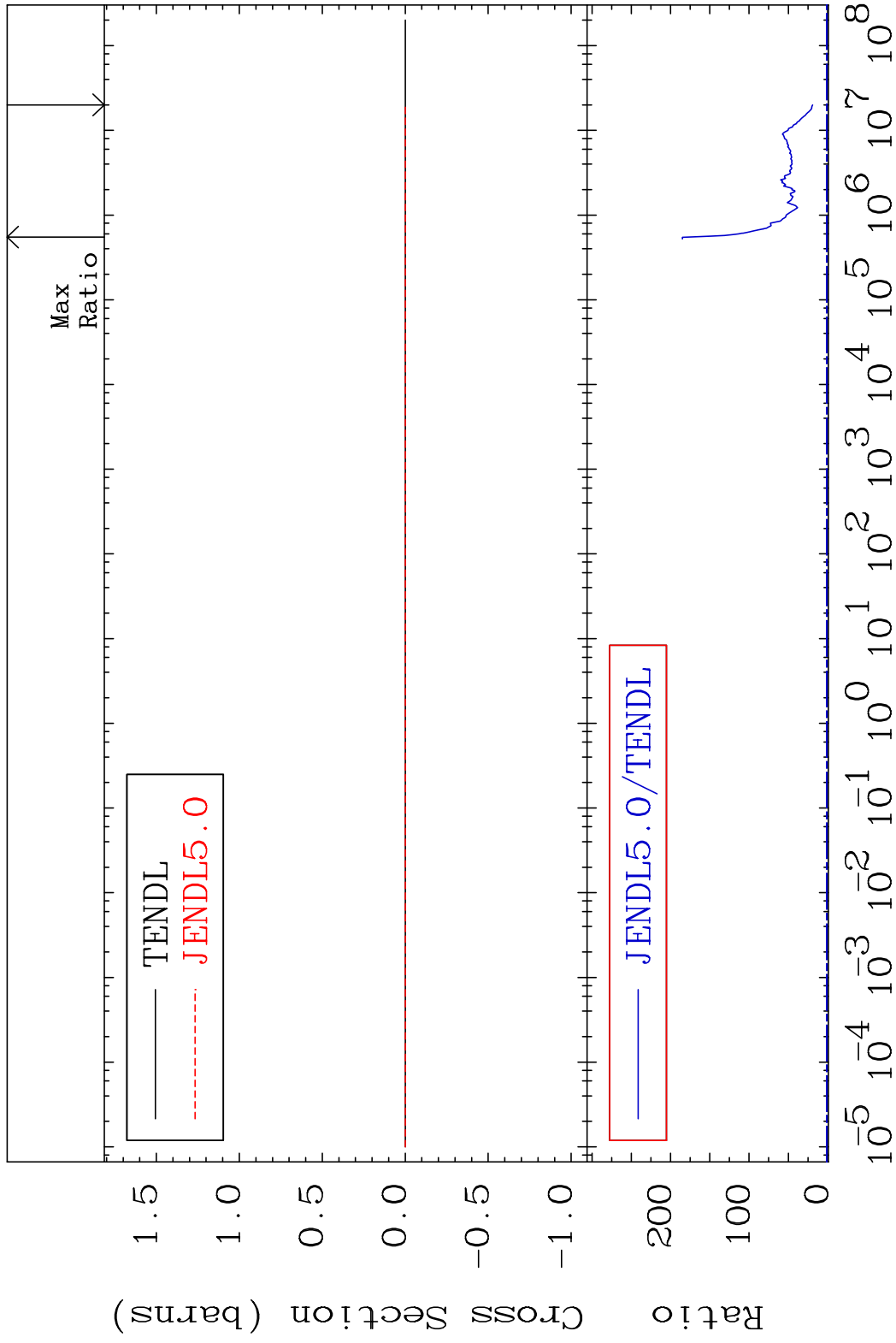


34 Incident Energy (eV) 48-Cd-116

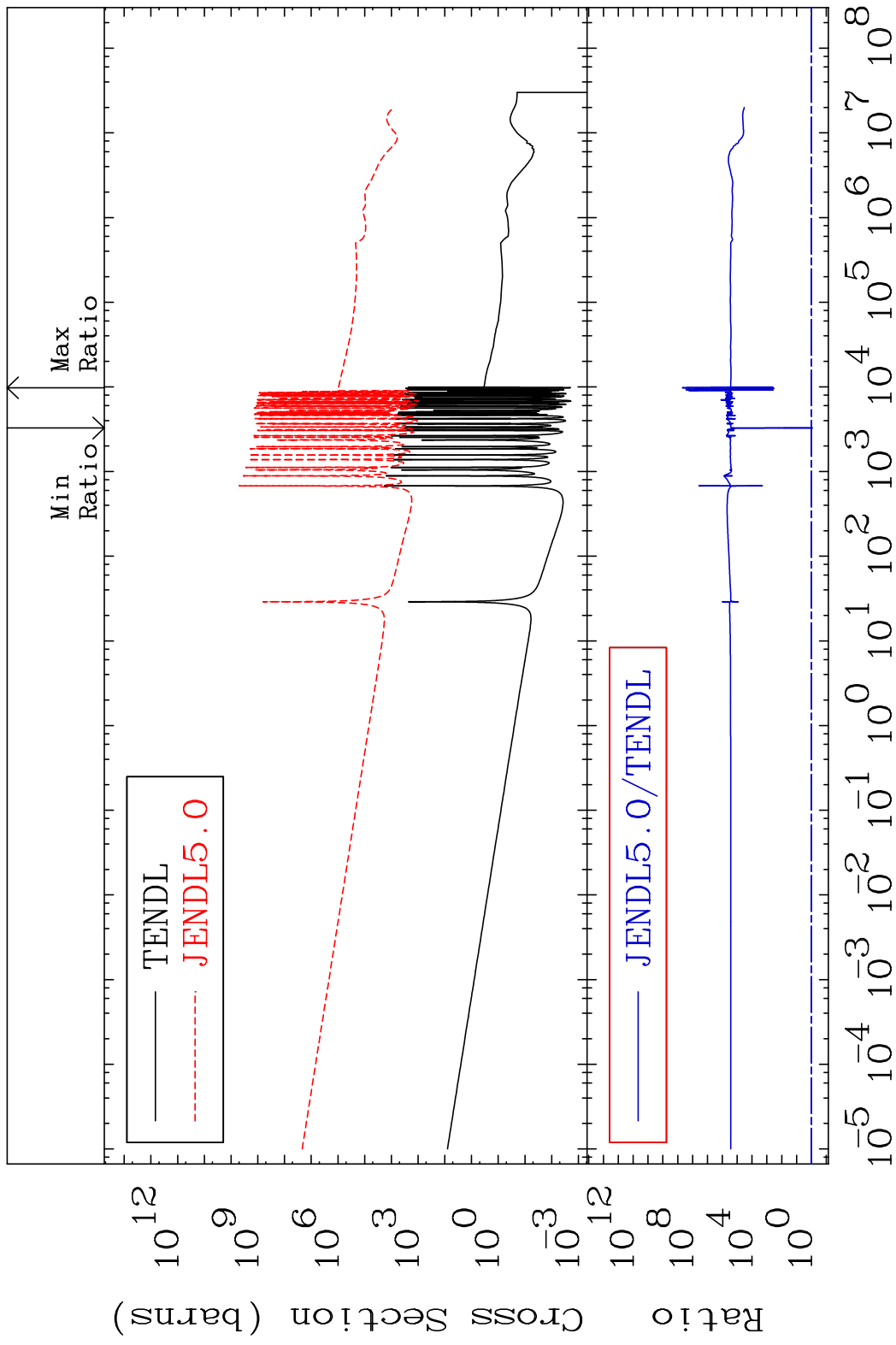
MAT 4855 Kerma inelastic (mt51-91) 48-Cd-116
 Cross Section 1815. To 9999. %



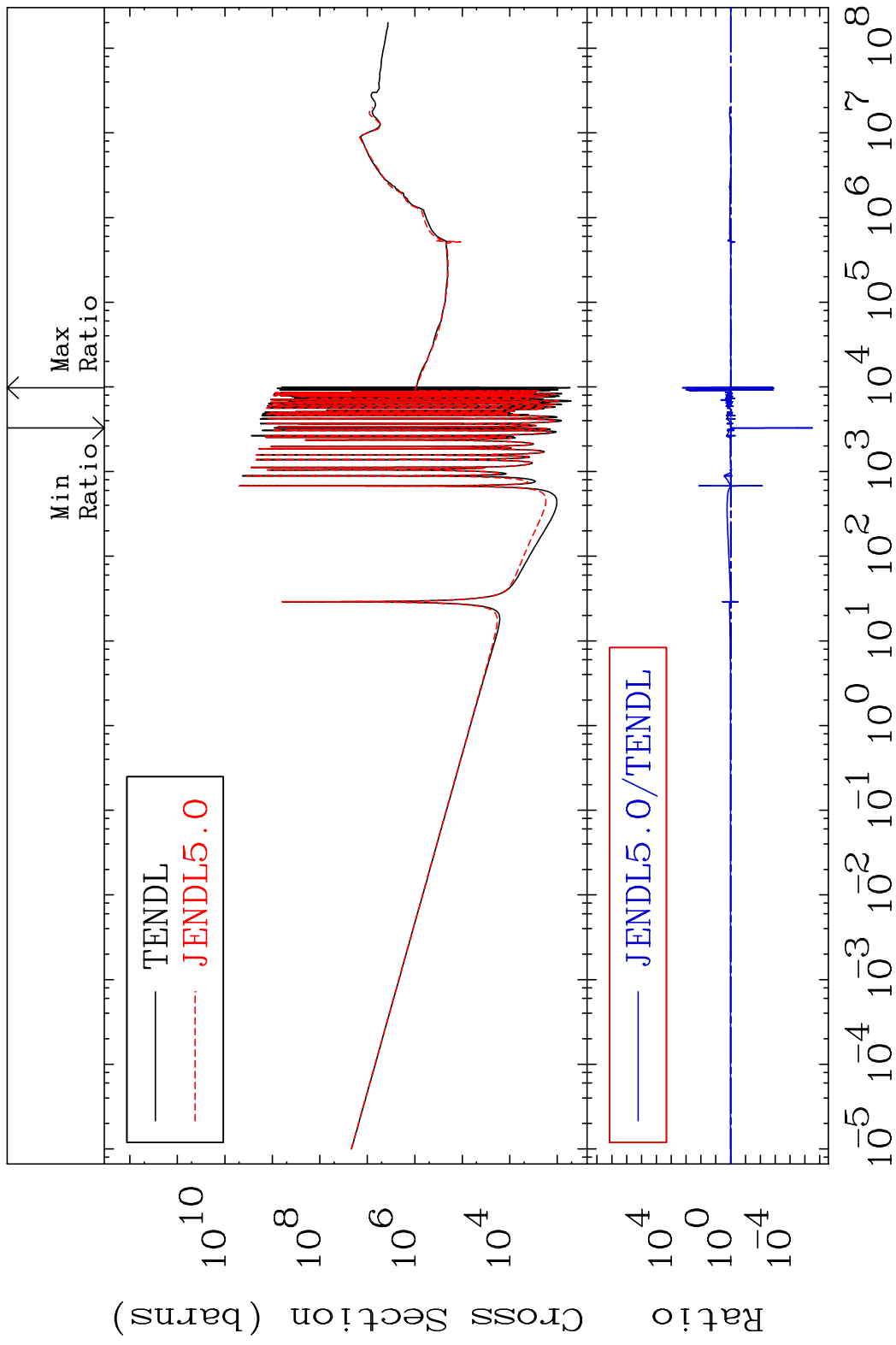
MAT 4855 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-116
 Cross Section 1815. To 9999. %



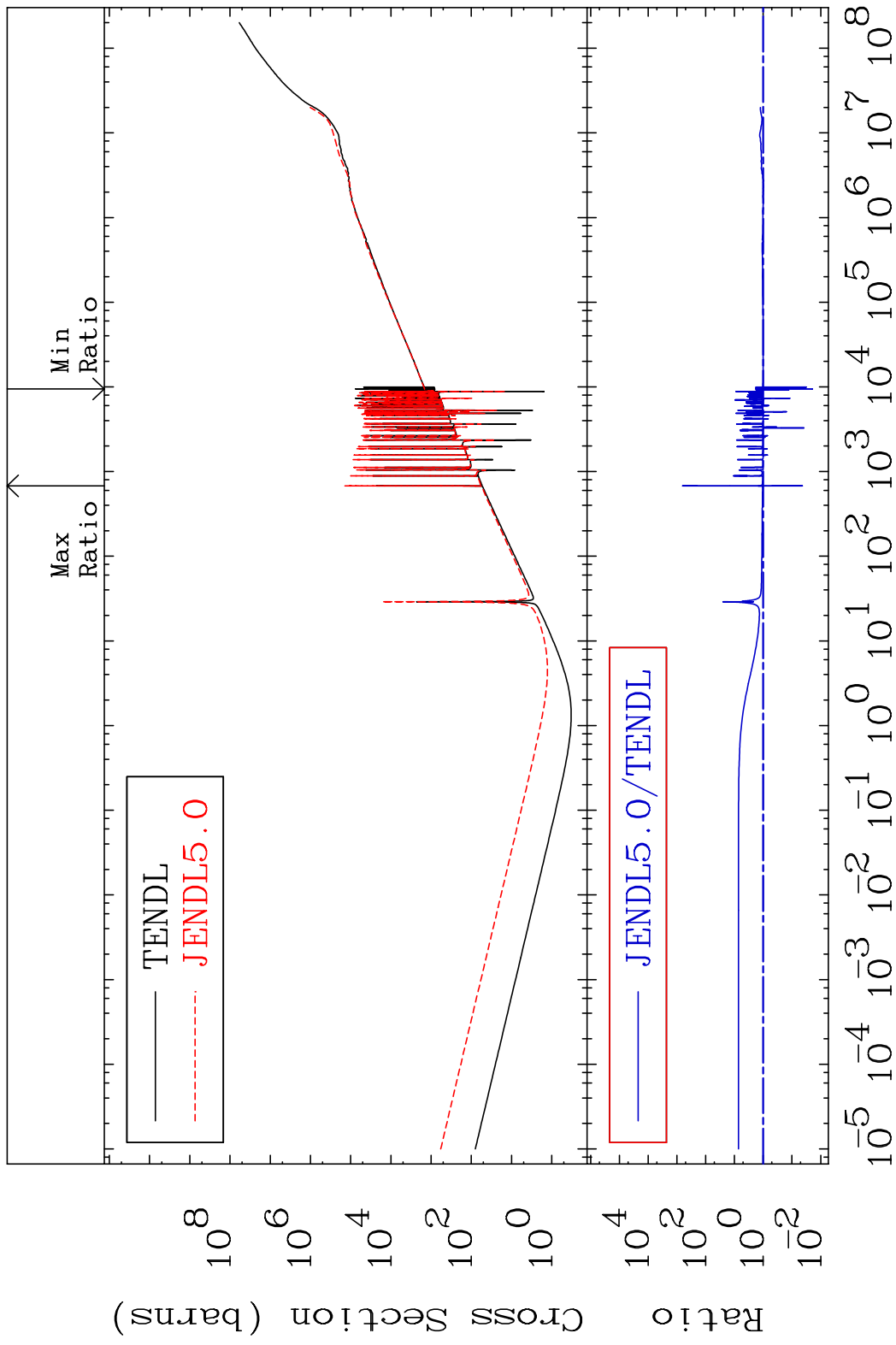
MAT 4855 Kerma capture (mt102) 48-Cd-116
 Cross Section -16.26 To 9999. %



MAT 4855 Total photon (eV-barns) 48-Cd-116
 Cross Section -100.0 To 9999. %



MAT 4855 Total kinematic kerma (high limit) 48-Cd-116
 Cross Section -98.08 To 9999. %

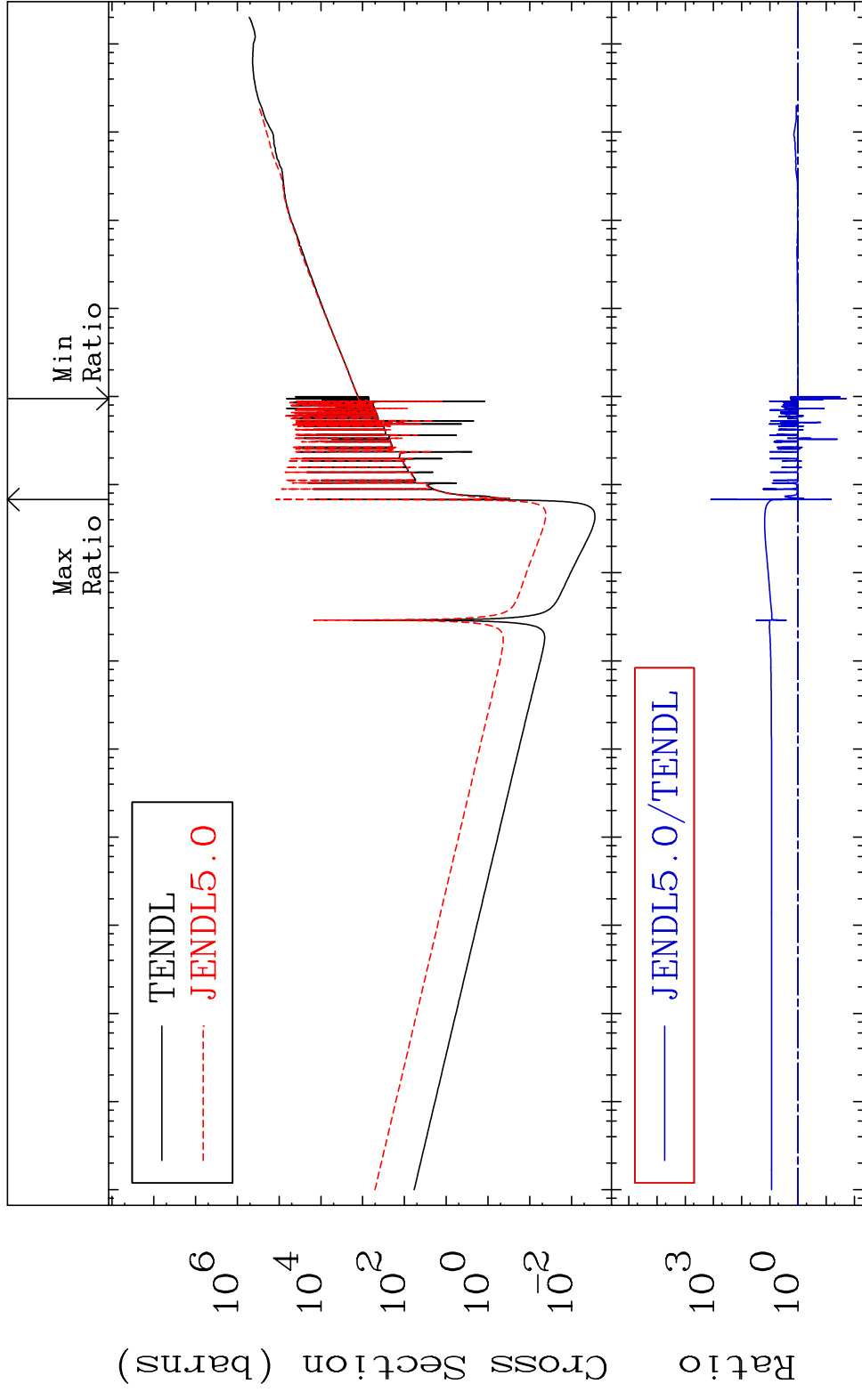


MAT 4855

Dpa total (eV-barns)

48-Cd-116

Cross Section -98.07 To 9999. %



40

Incident Energy (eV)

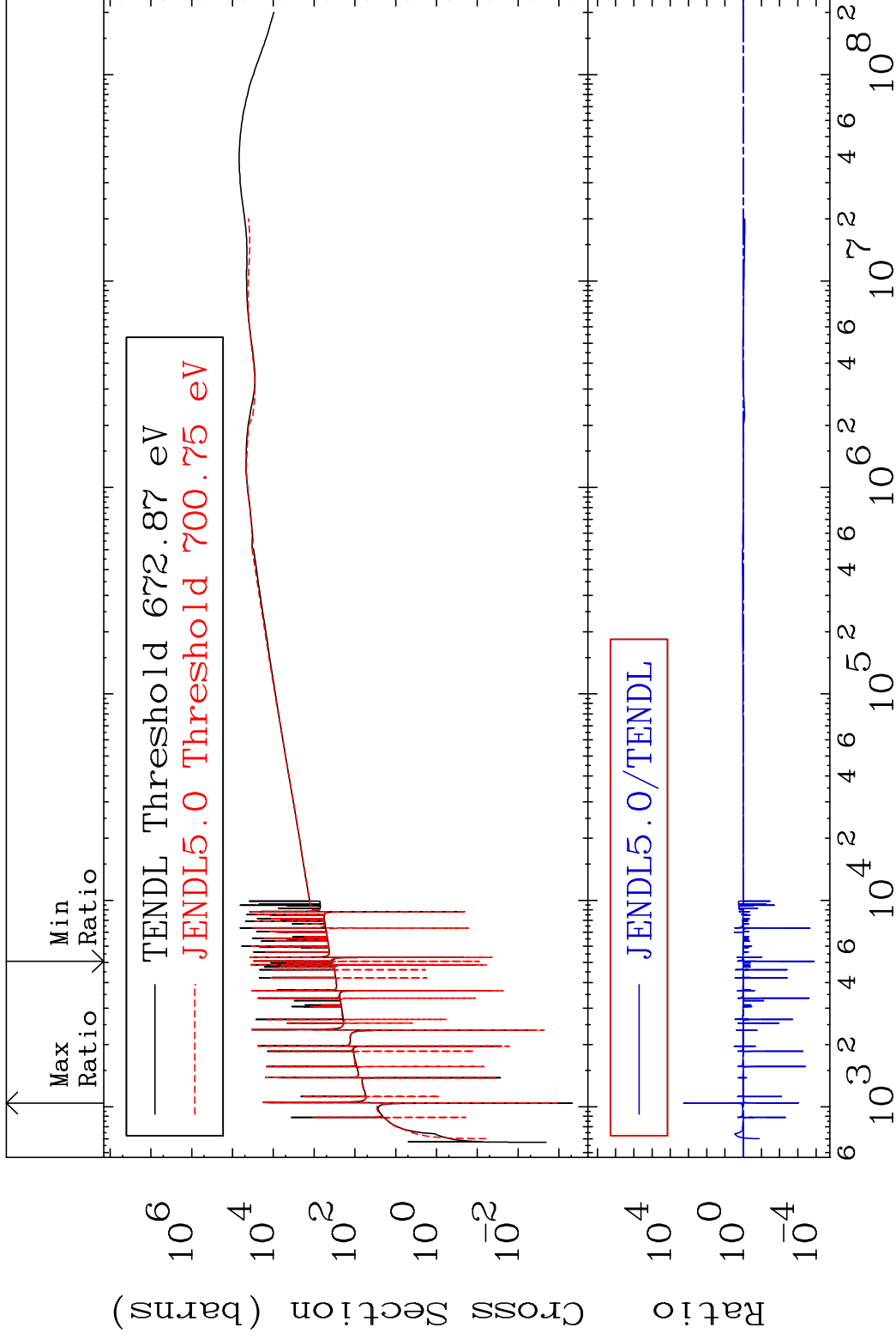
48-Cd-116

MAT 4855

Dpa elastic (mt2)

48-Cd-116

Cross Section -99.99 To 9999. %

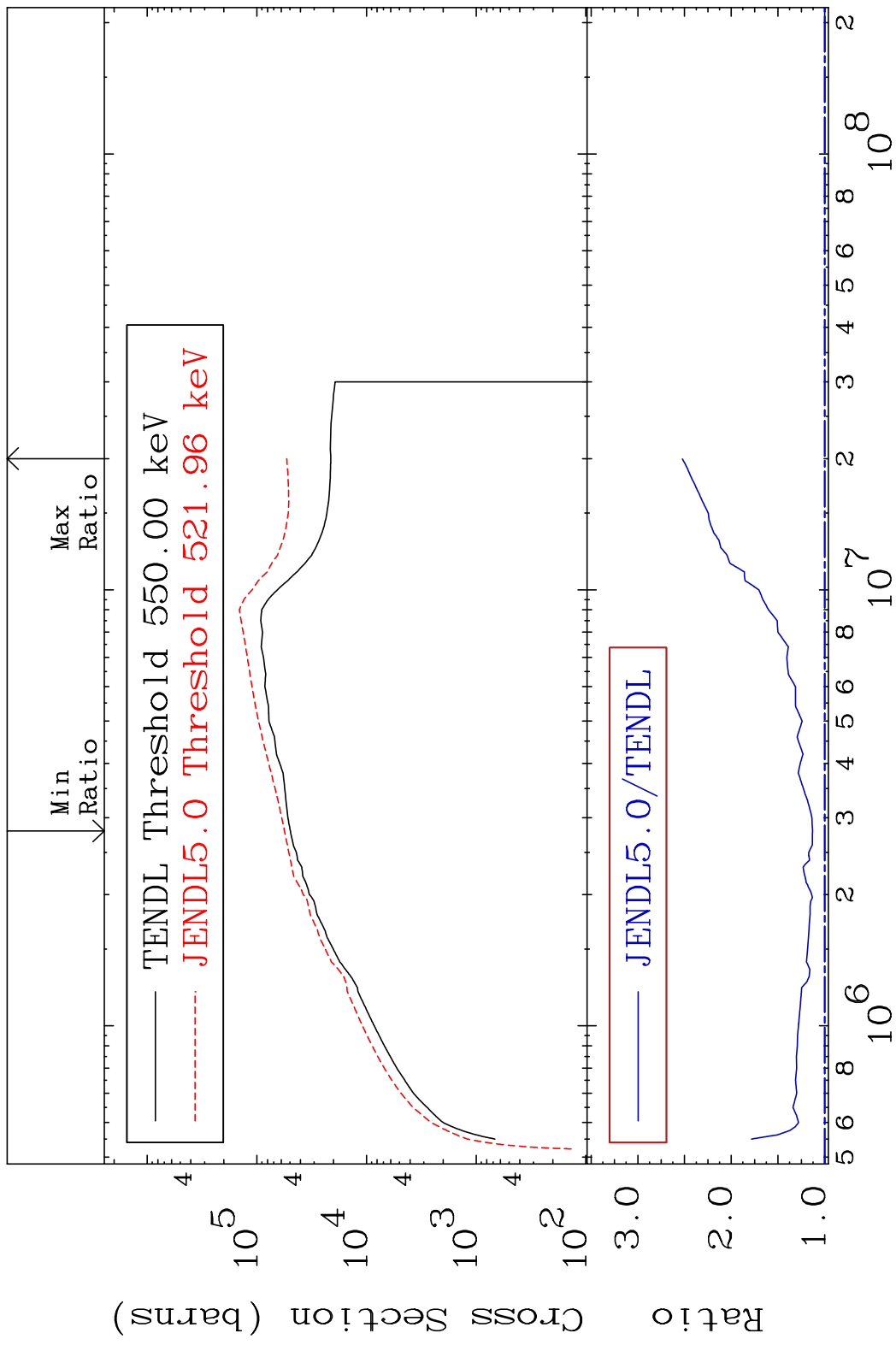


41

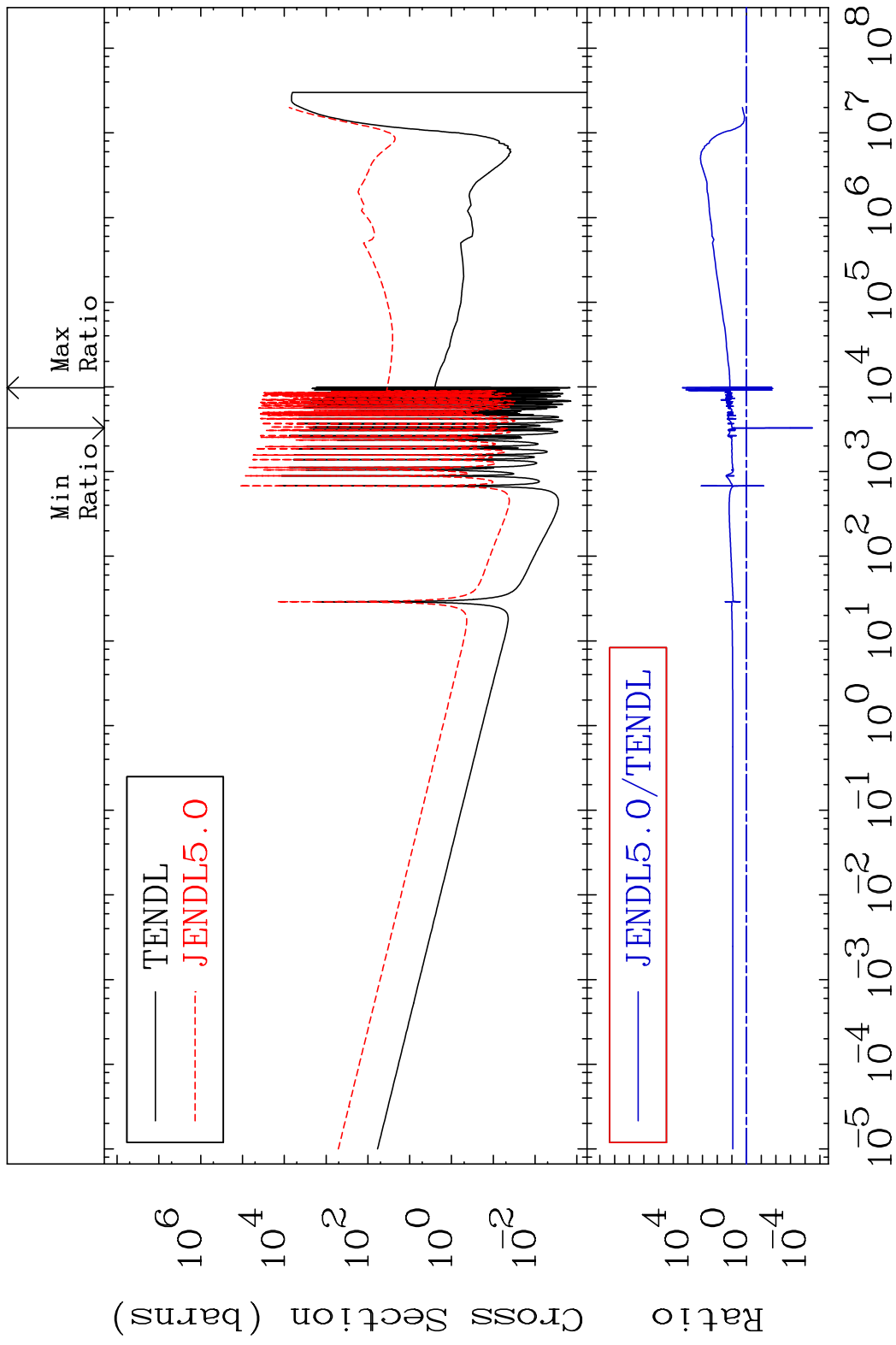
Incident Energy (eV)

48-Cd-116

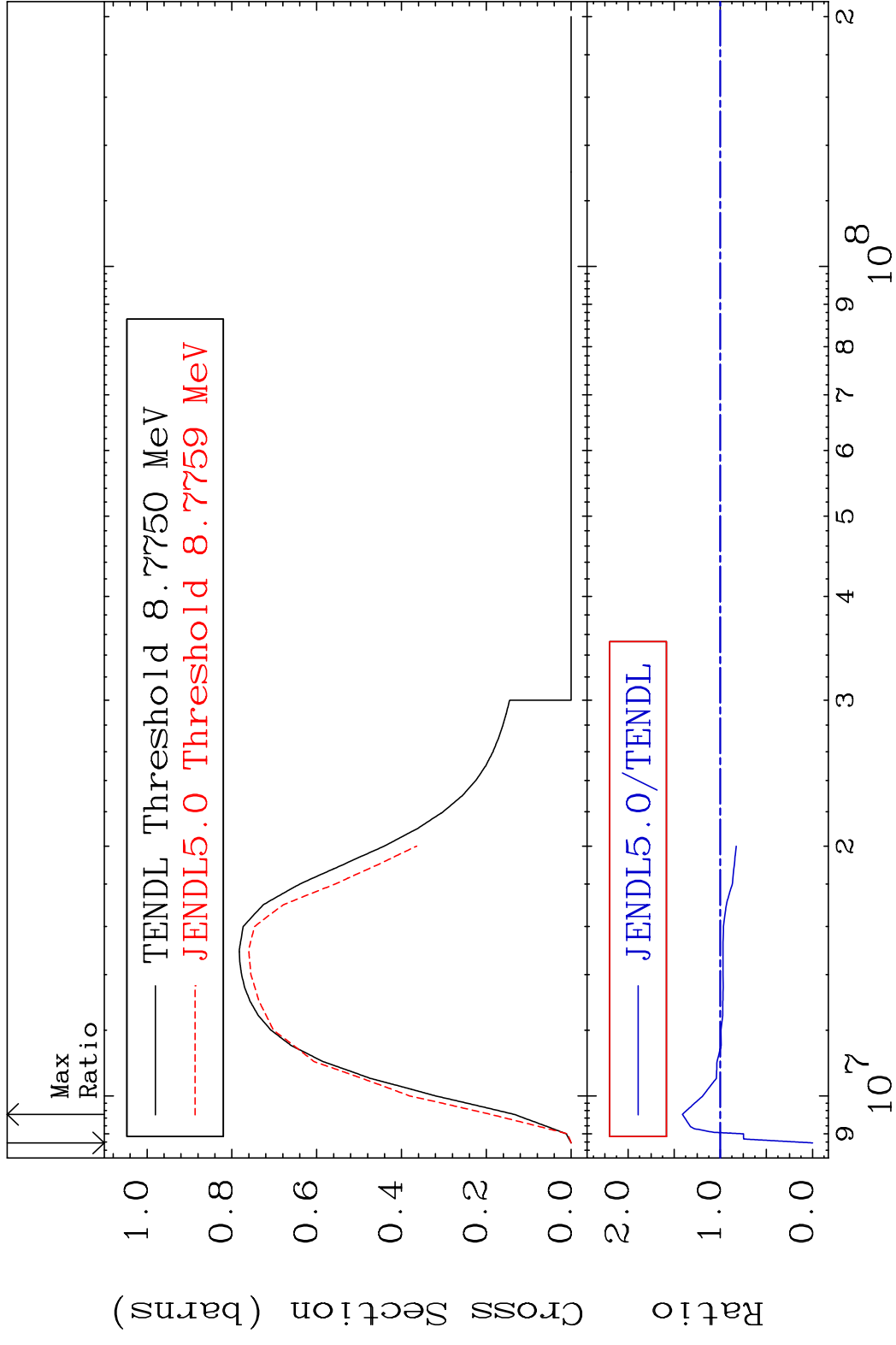
MAT 4855 Dpa inelastic (mt51-91) 48-Cd-116
 Cross Section 12.97 To 152.3 %



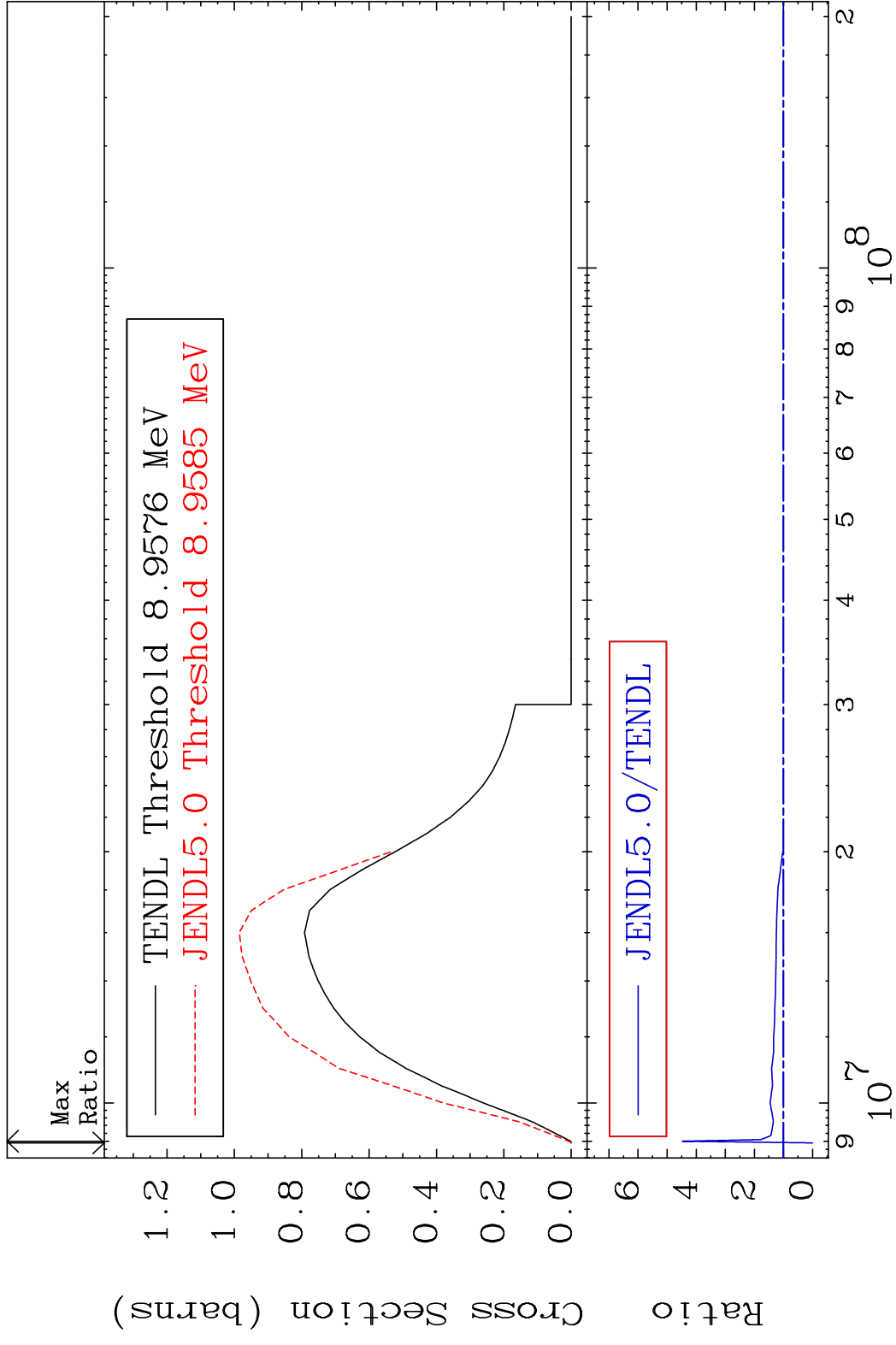
MAT 4855 Dpa disappearance (mt102 -120) 48-Cd-116
 Cross Section -100.0 To 9999. %



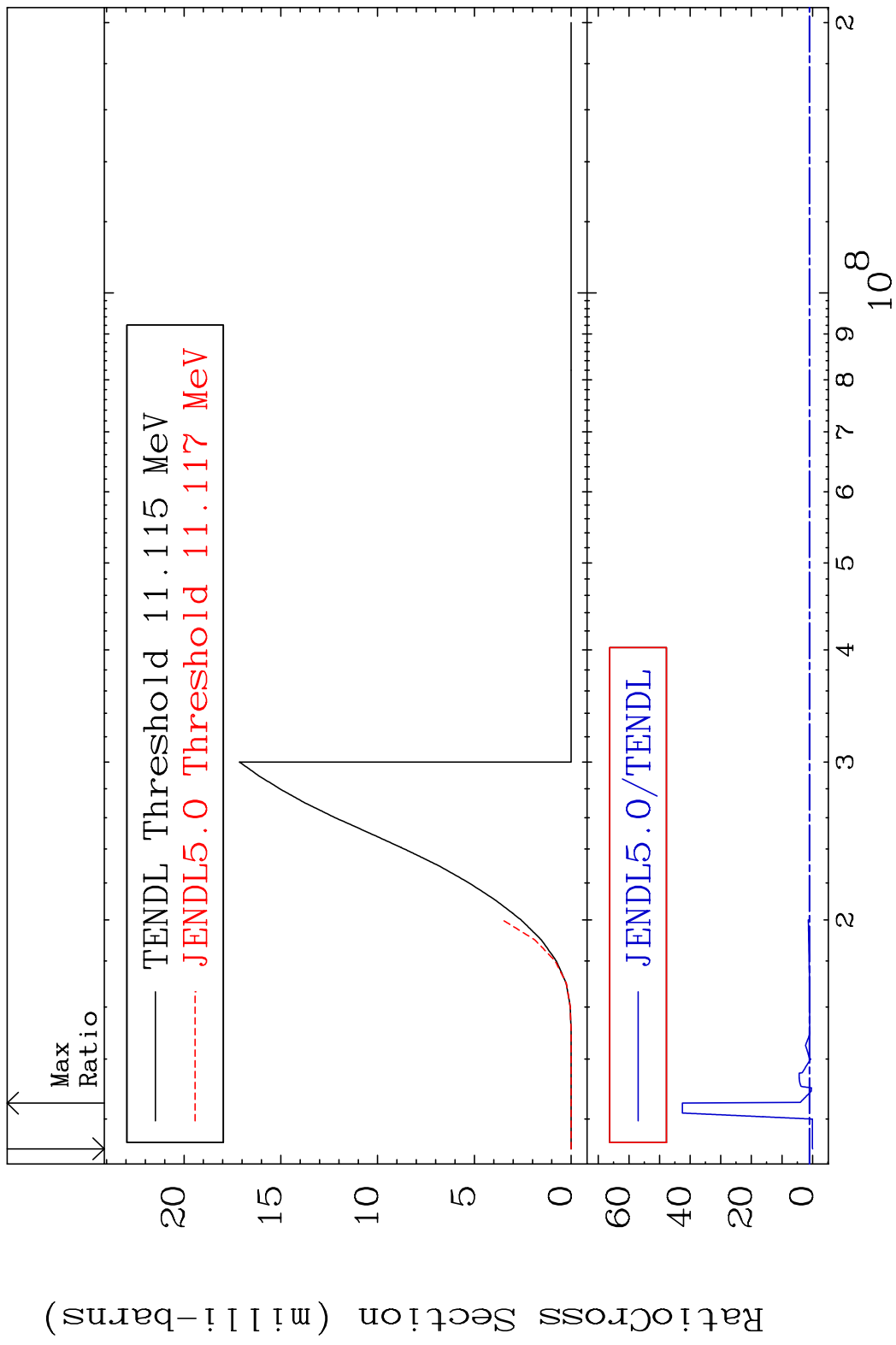
MAT 4855 (n,2n):48-Cd-115g 48-Cd-116
 Radionuclide Production Cross Section Ratio 41.11 %

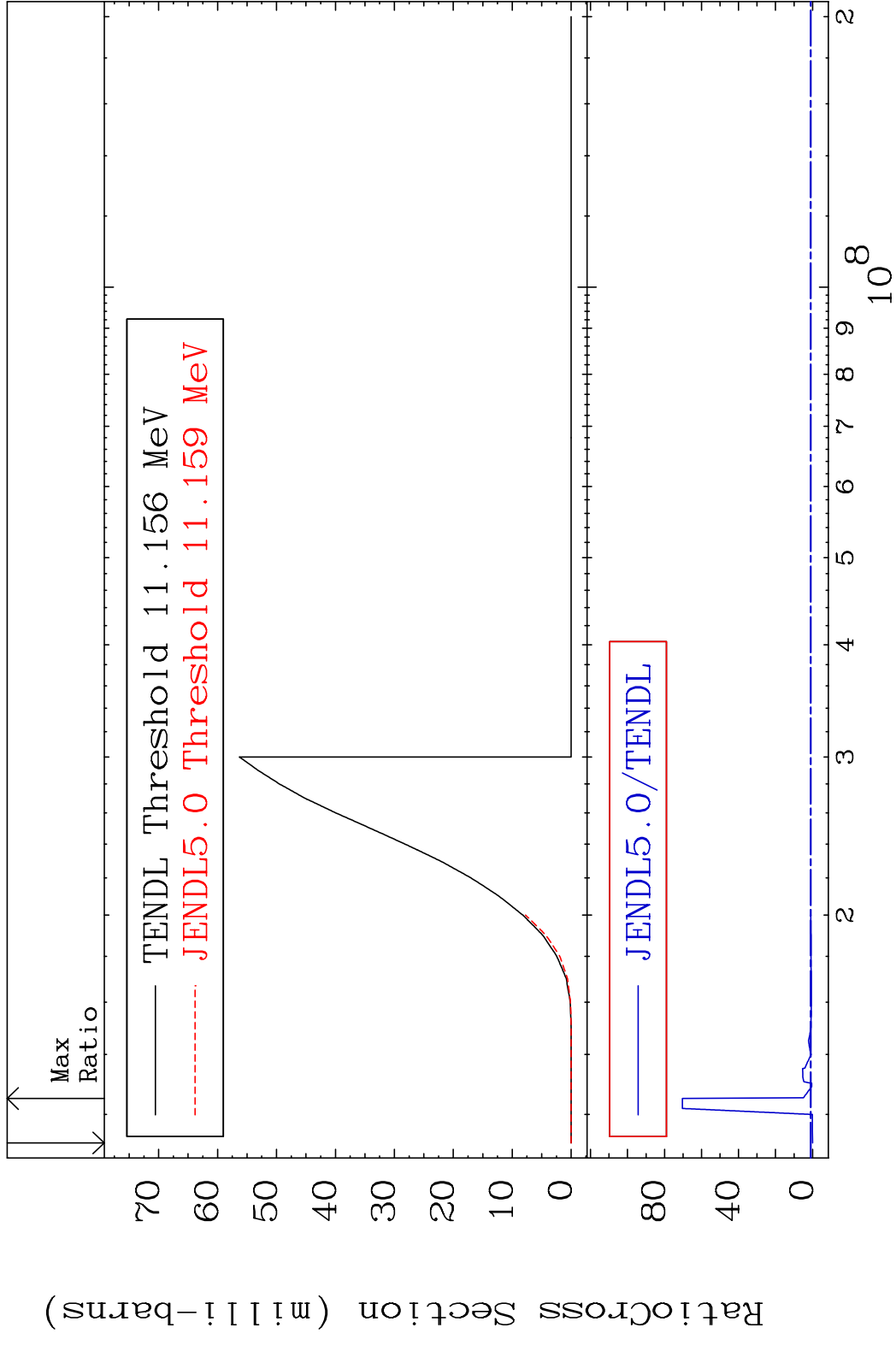


MAT 4855 (n,2n): 48-Cd-115m1 48-Cd-116
 Radionuclide Production Cross Section 180.0 dth 347.6 %

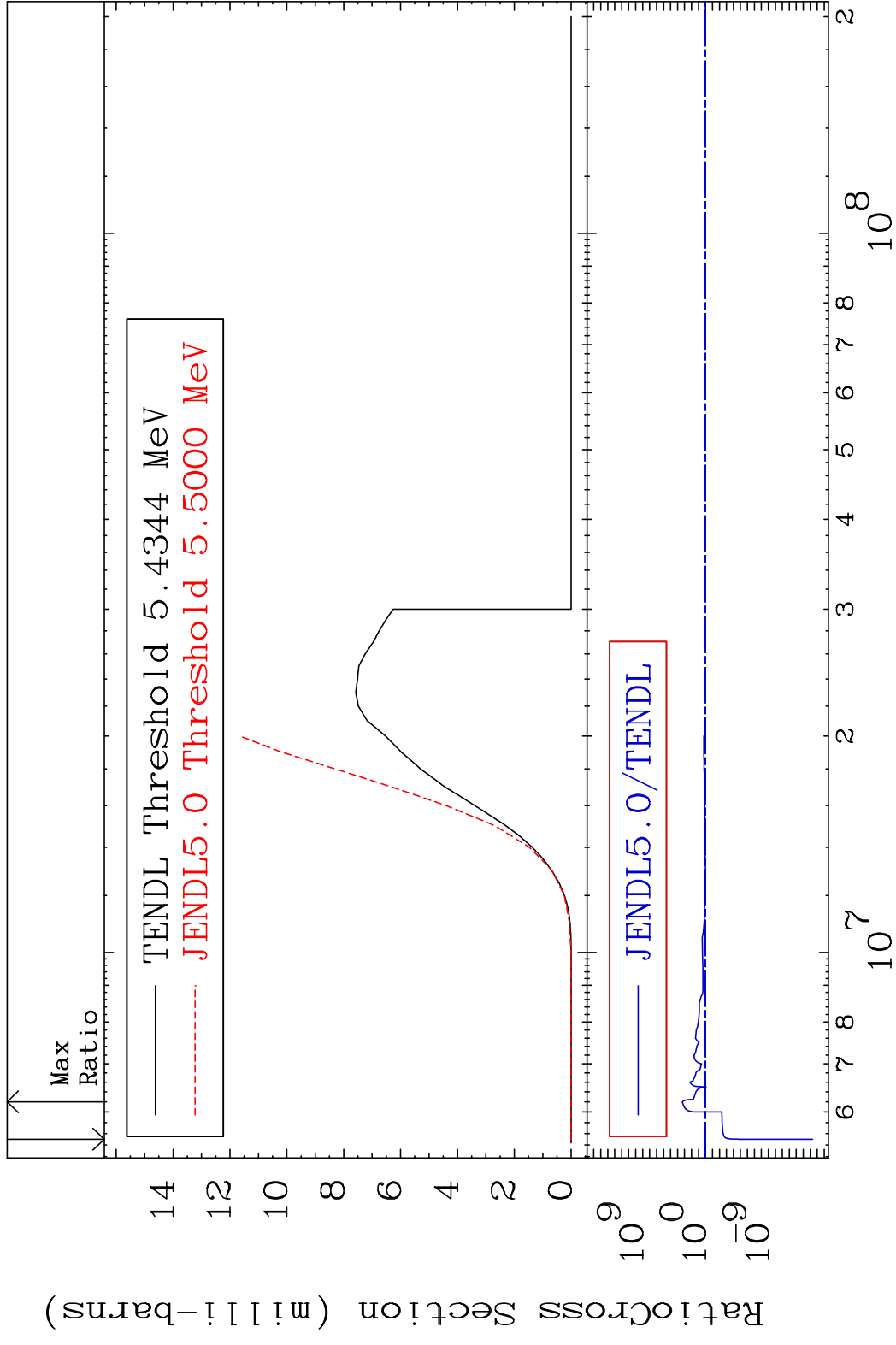


45 Incident Energy (eV) 48-Cd-116

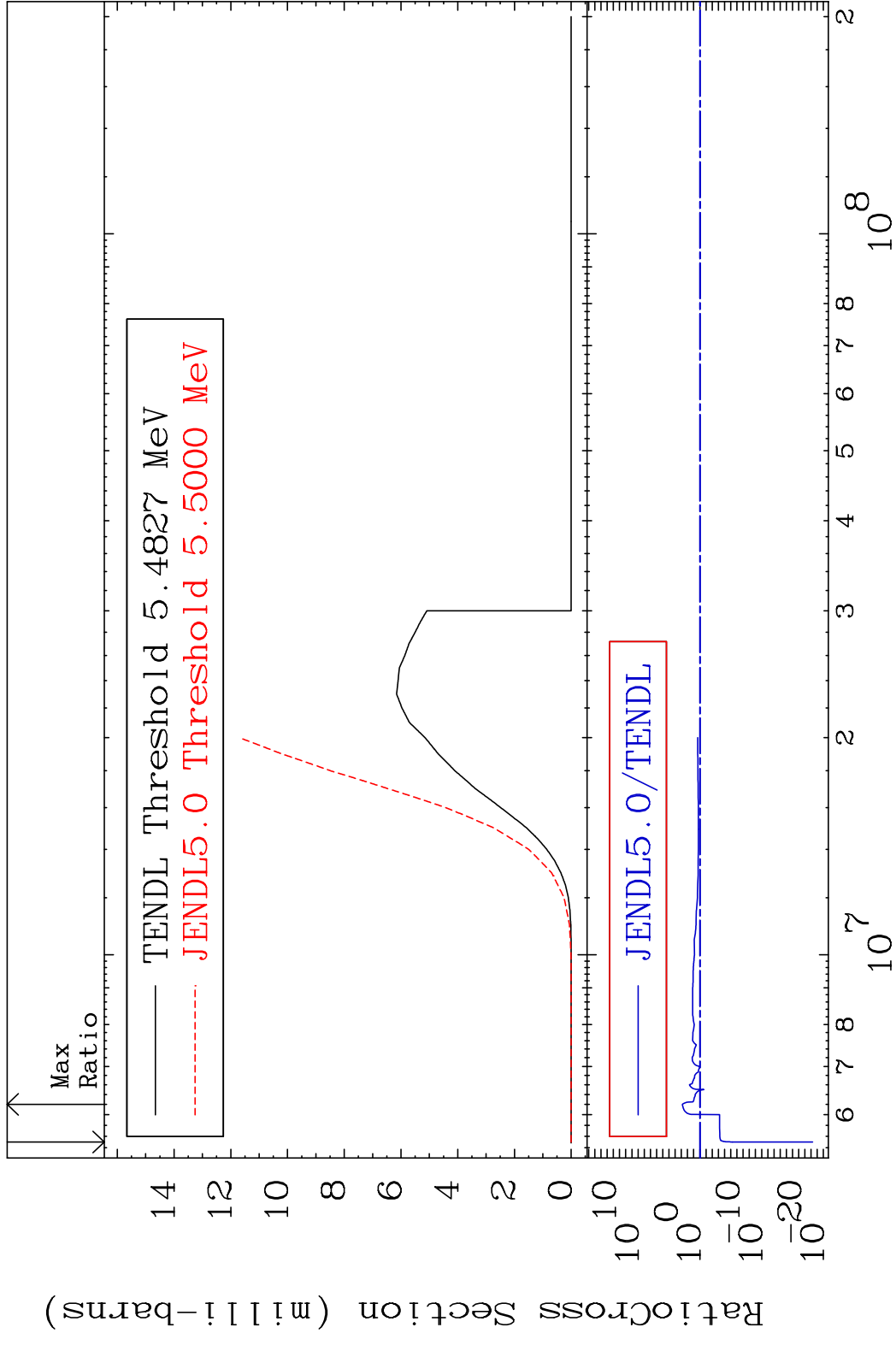




MAT 4855 (n,p):47-Ag-116g 48-Cd-116
 Radionuclide Production Cross Section Ratio 9999. %



MAT 4855 (n, p): 47-Ag-116m1 48-Cd-116
 Radionuclide Production Cross Section Ratio



MAT 4855 (n,d):47-Ag-115g 48-Cd-116
 Radionuclide Production Cross Section Ratio

