

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

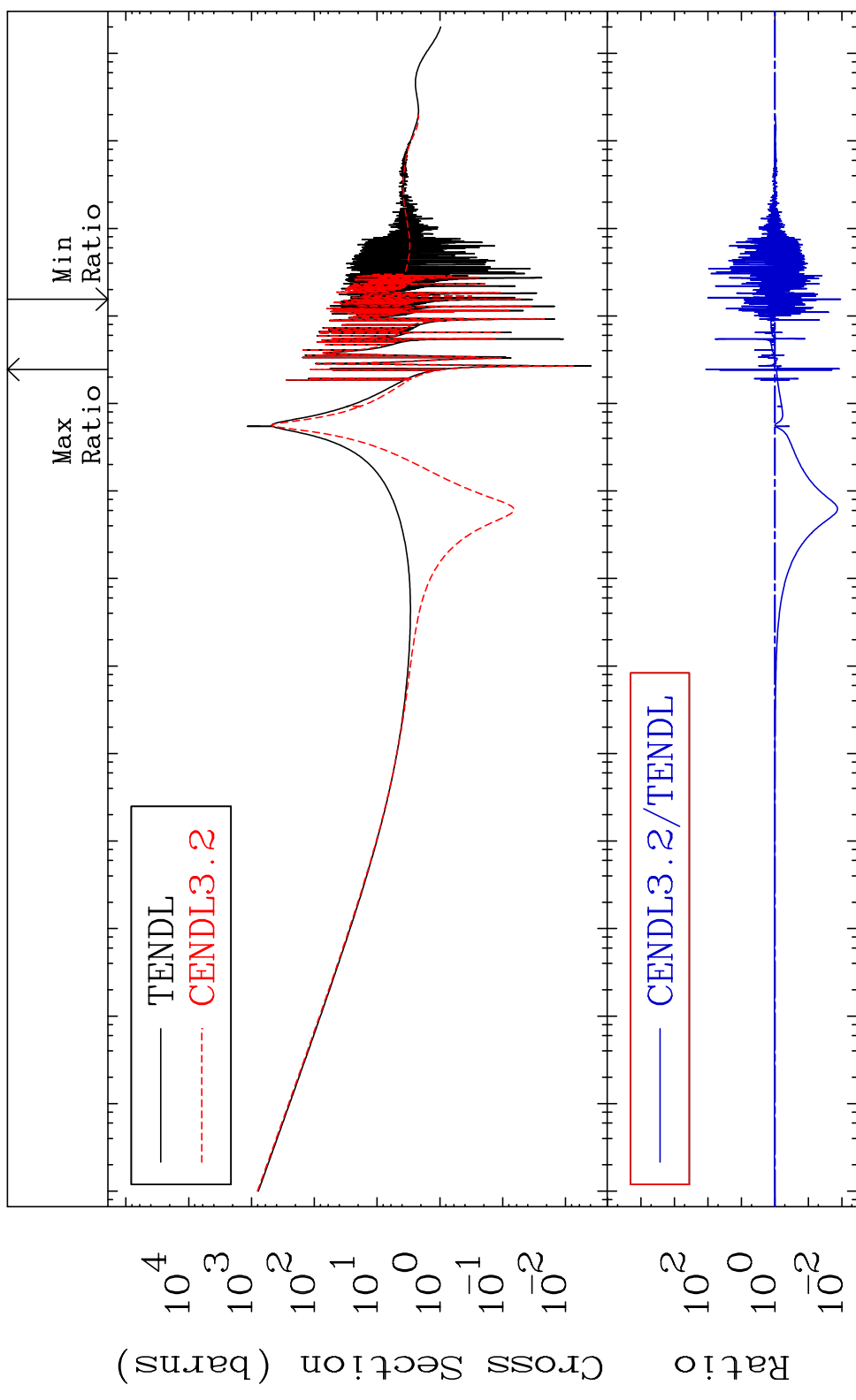
MAT 2425

Total

24-Cr-50

Cross Section

-98.90 To 9999. %



1

Incident Energy (eV)

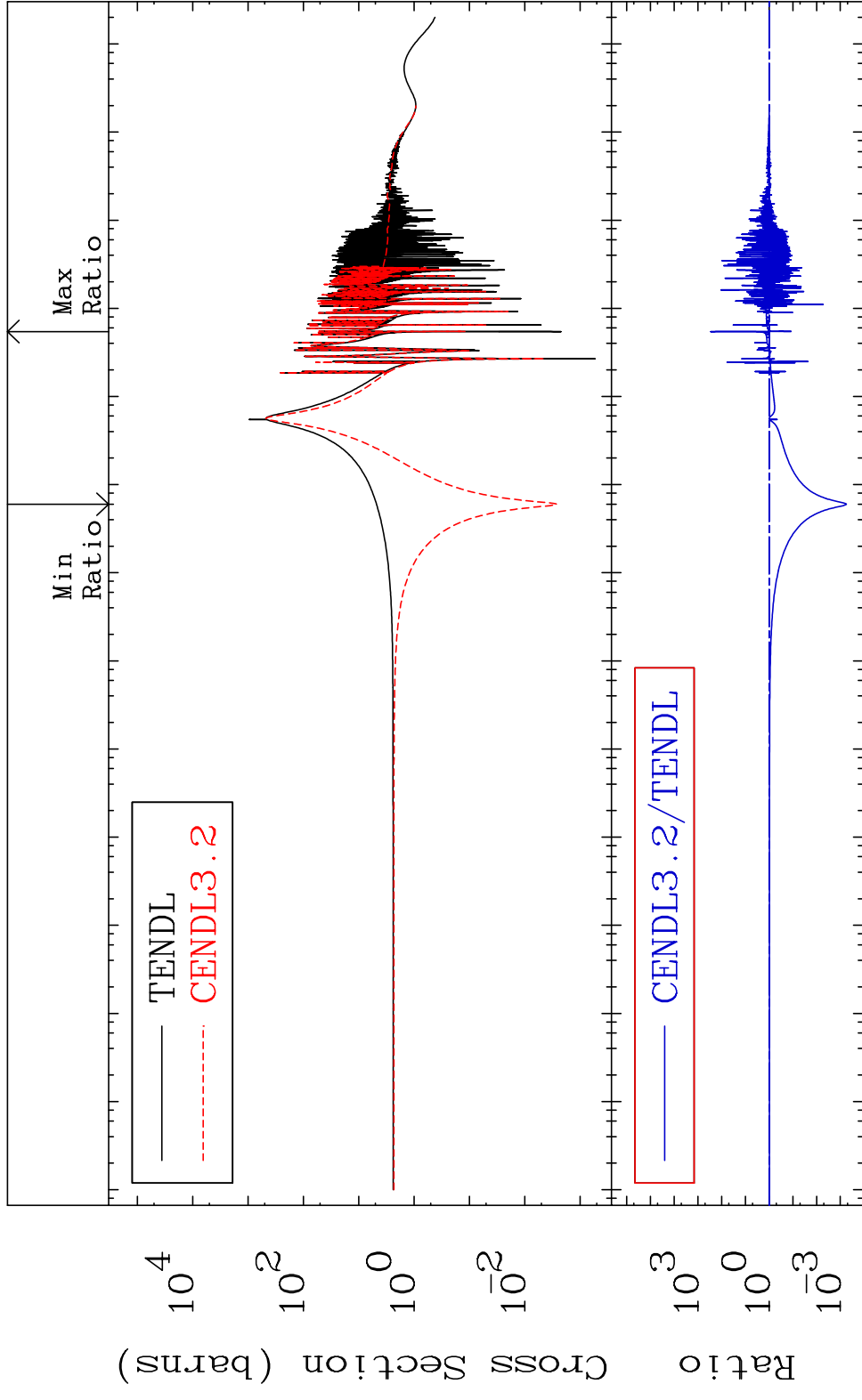
24-Cr-50

MAT 2425

24-Cr-50

Elastic

Cross Section -99.94 To 9999. %



2

Incident Energy (eV)

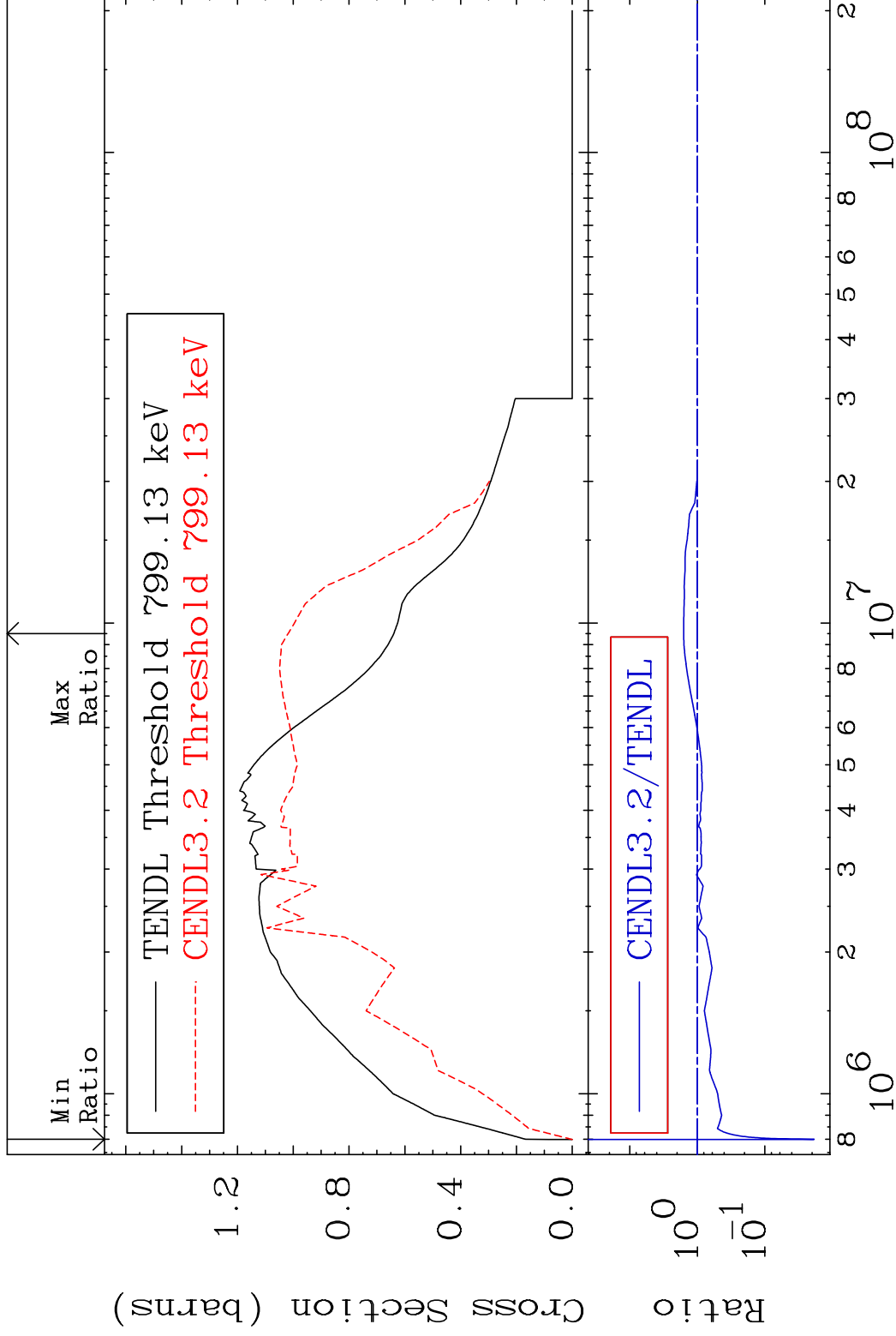
24-Cr-50

MAT 2425

Inelastic

²⁴Cr-50

Cross Section -98.13 To 59.23 %



3

Incident Energy (eV)

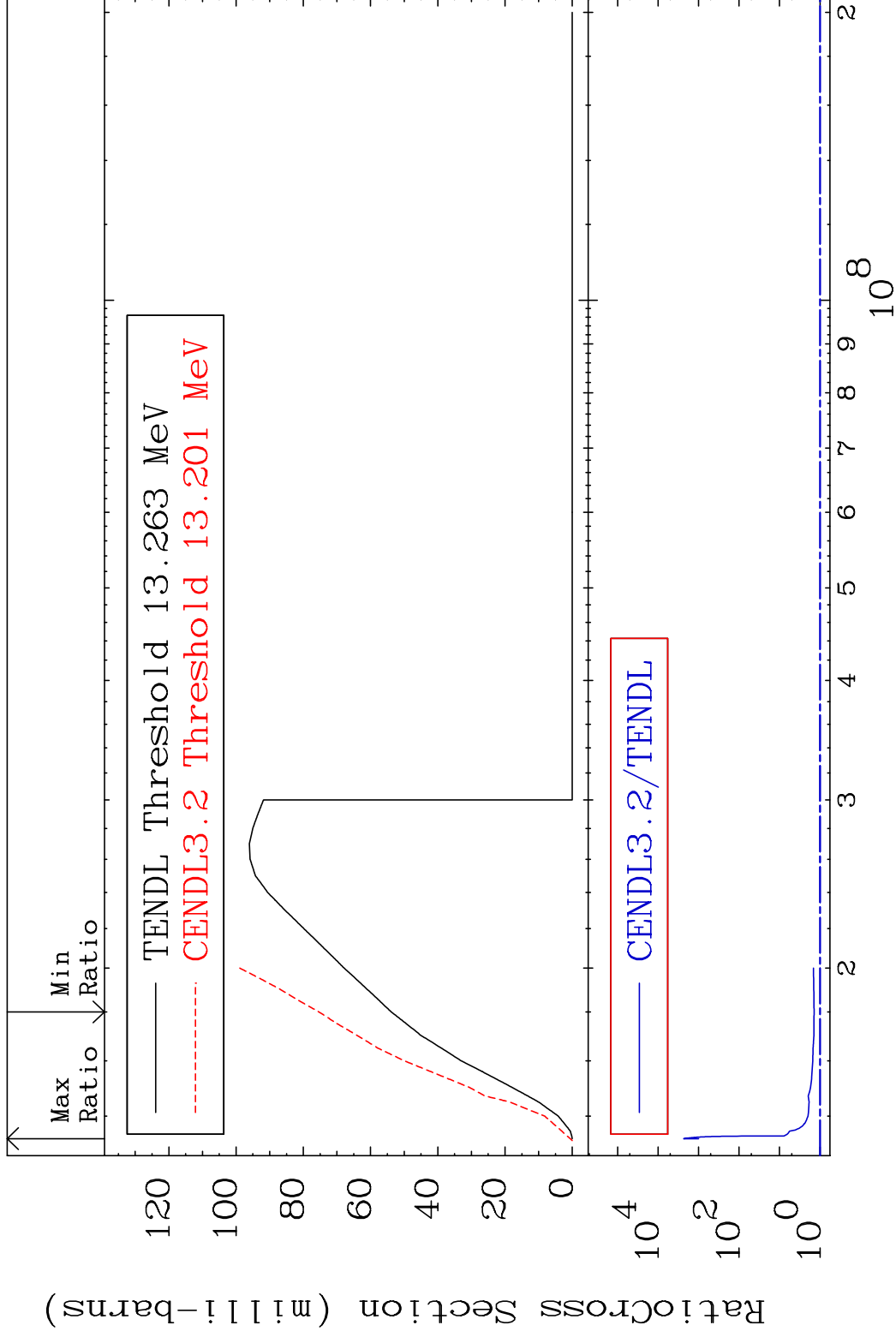
²⁴Cr-50

MAT 2425

(n,2n)

24-Cr-50

Cross Section 39.96 To 9999. %



4

Incident Energy (eV)

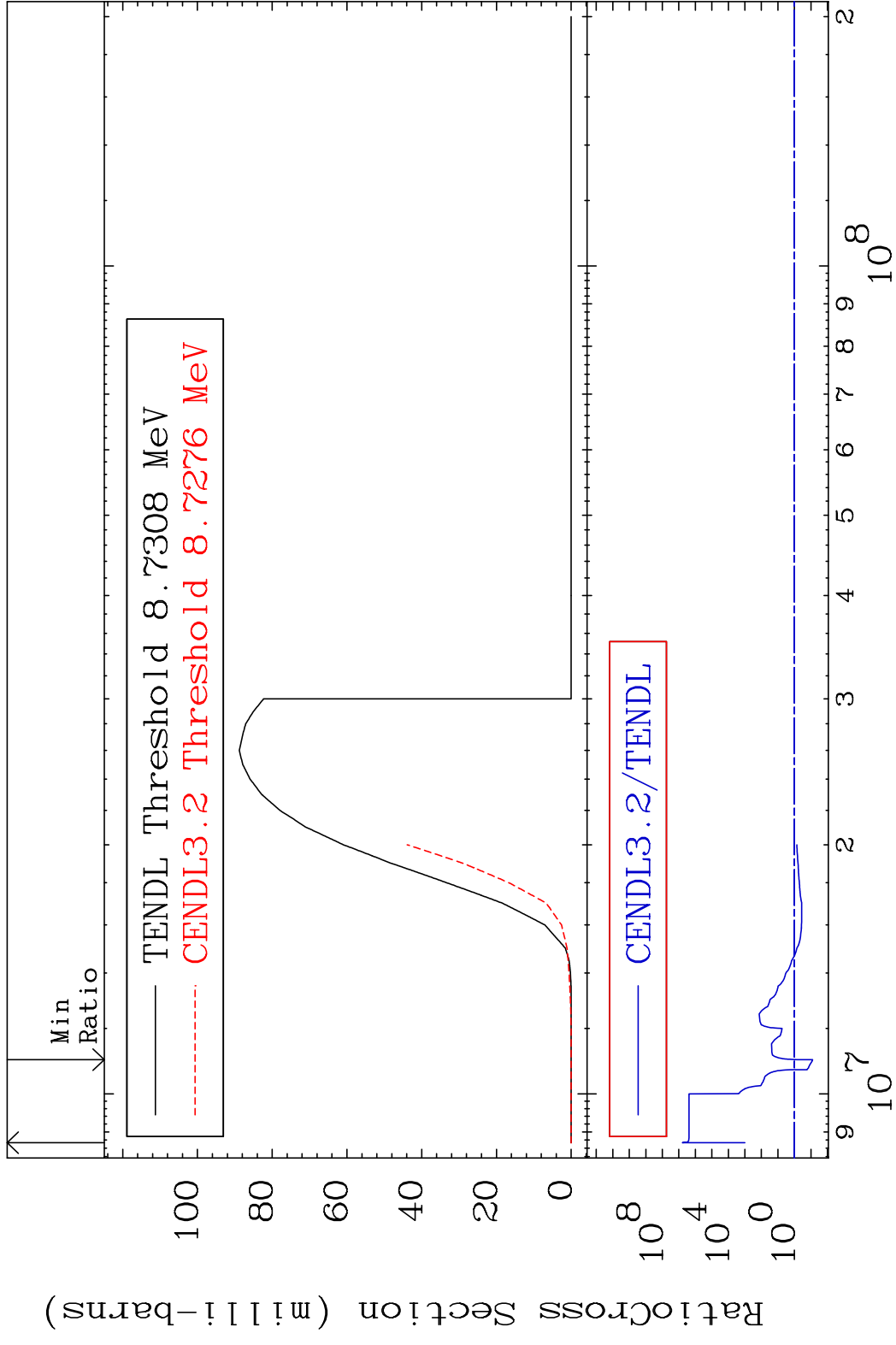
24-Cr-50

MAT 2425

(n, n') α

24-Cr-50

Cross Section -92.05 To 9999. %



5

Incident Energy (eV)

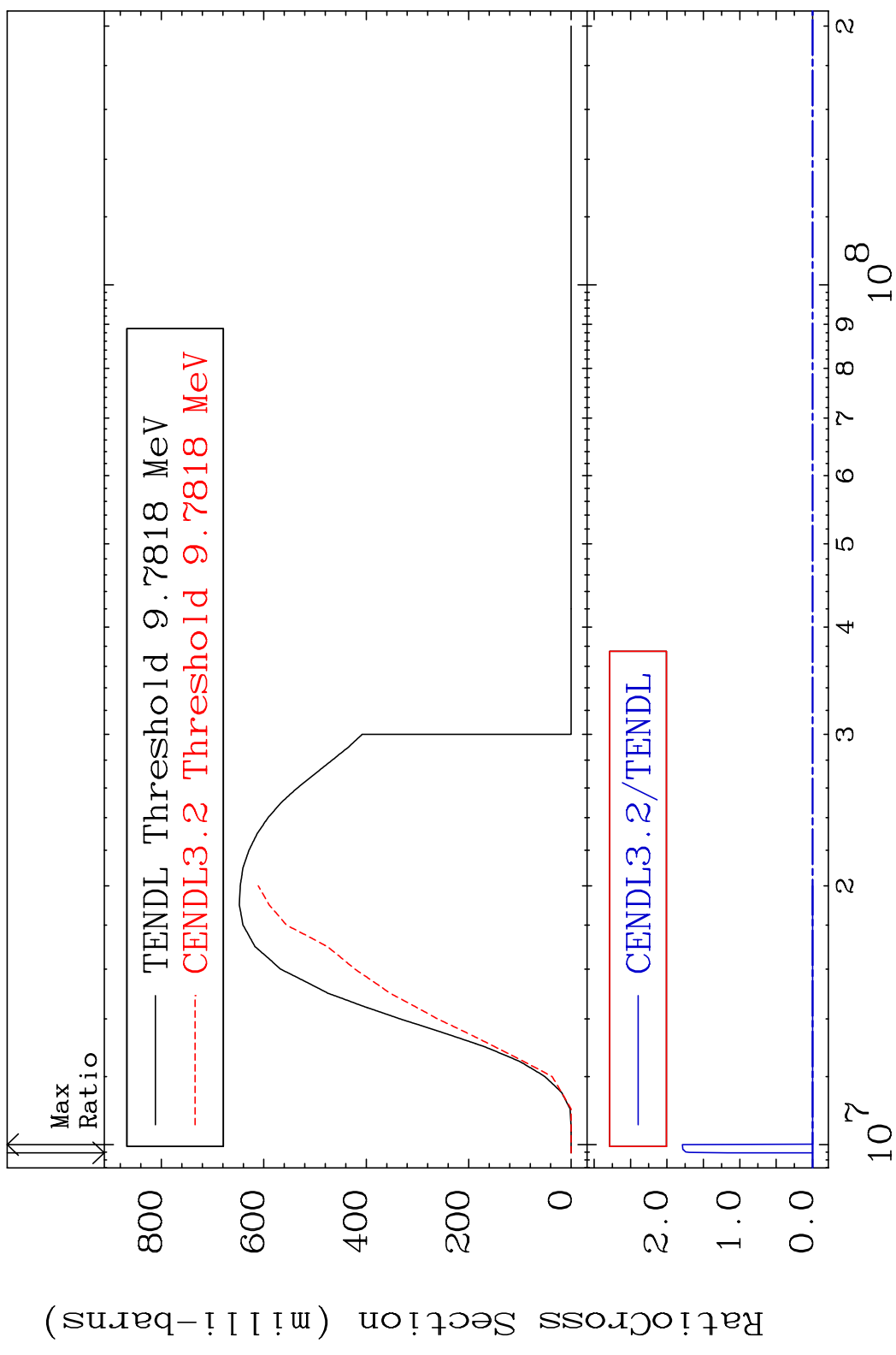
24-Cr-50

MAT 2425

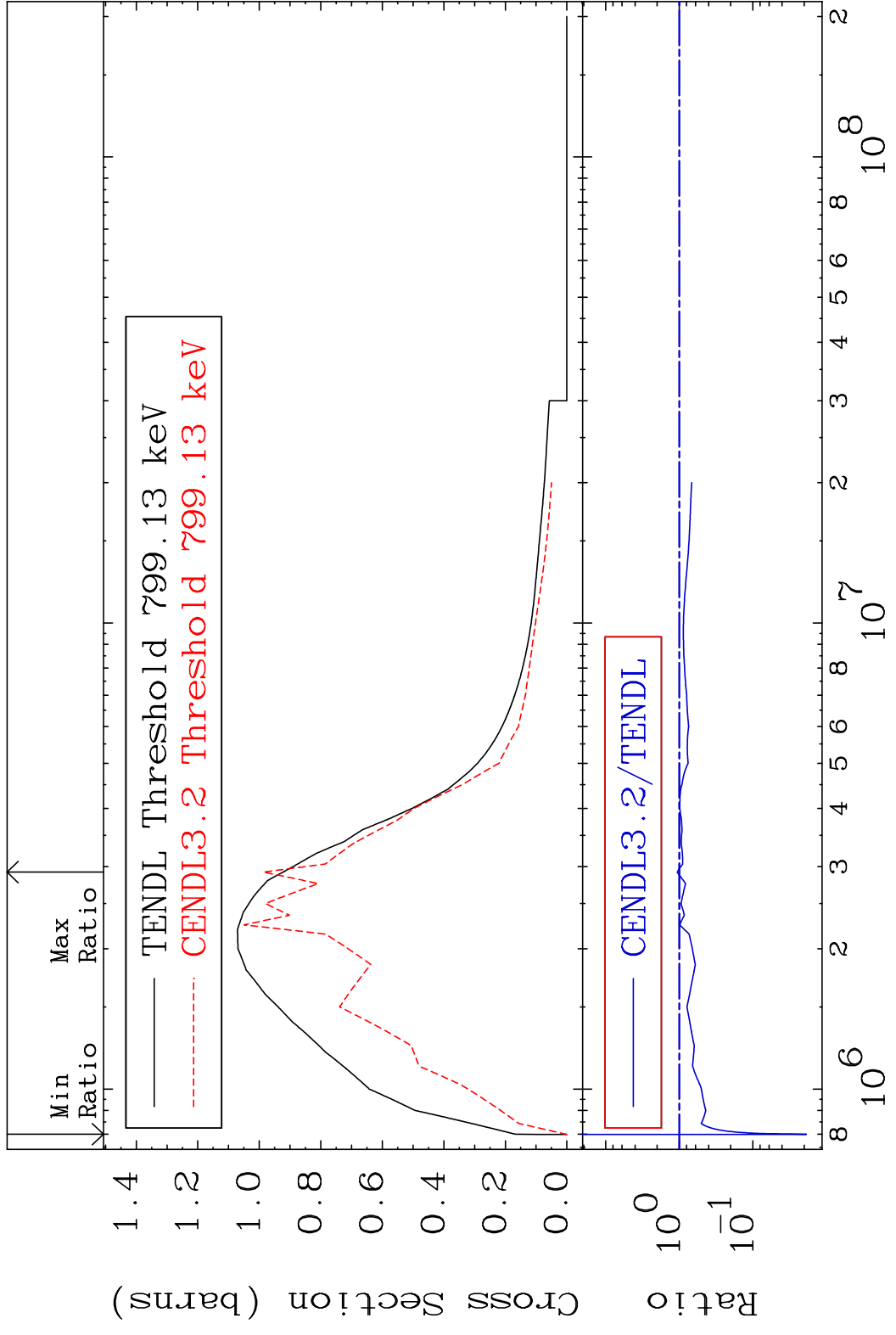
(n, n') p

²⁴Cr-50

Cross Section -100.0 To 9999. %

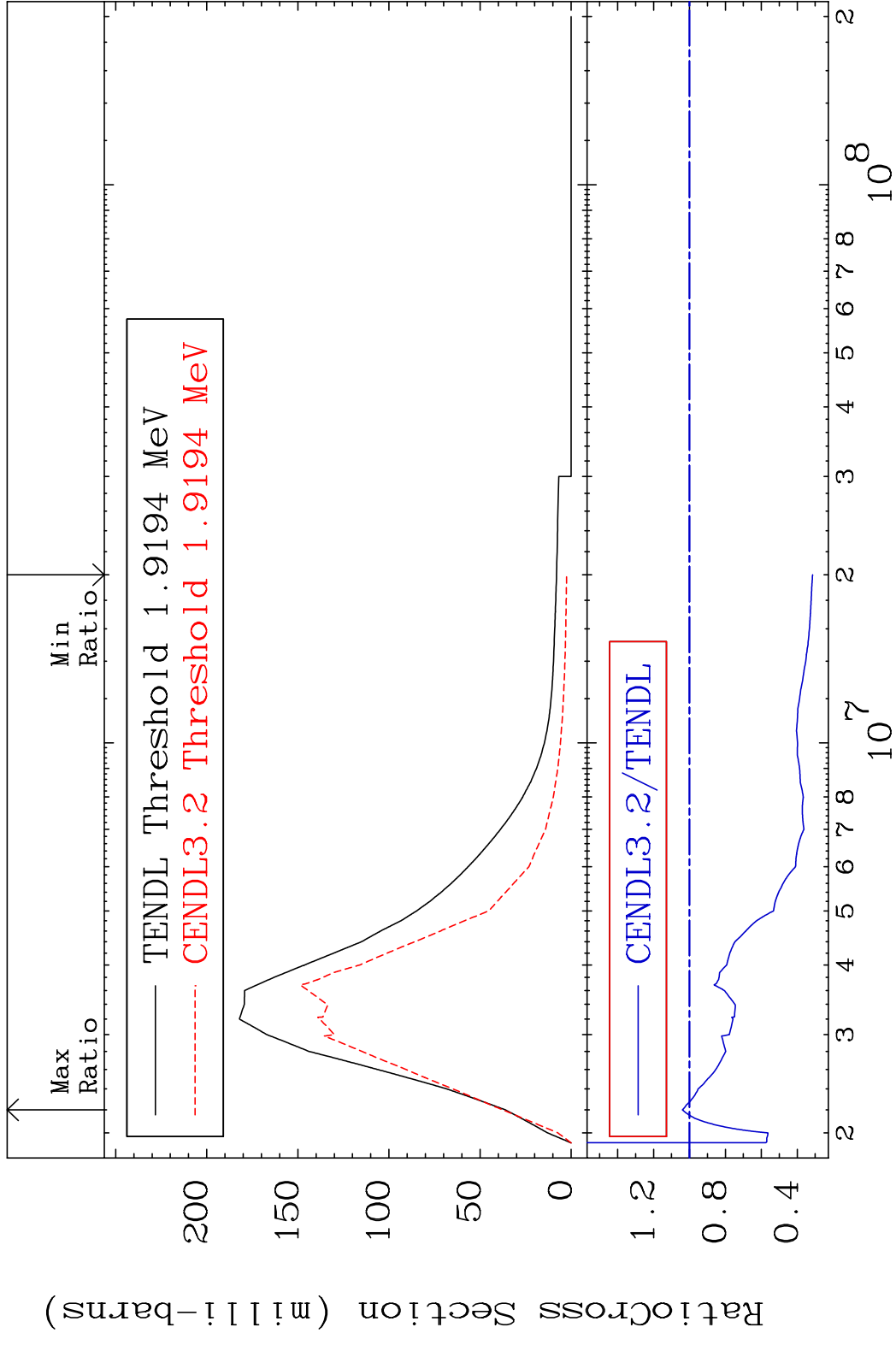


MAT 2425 MT= 51 (n,n') Level 24-Cr-50
 Cross Section -98.13 To 6.917 %



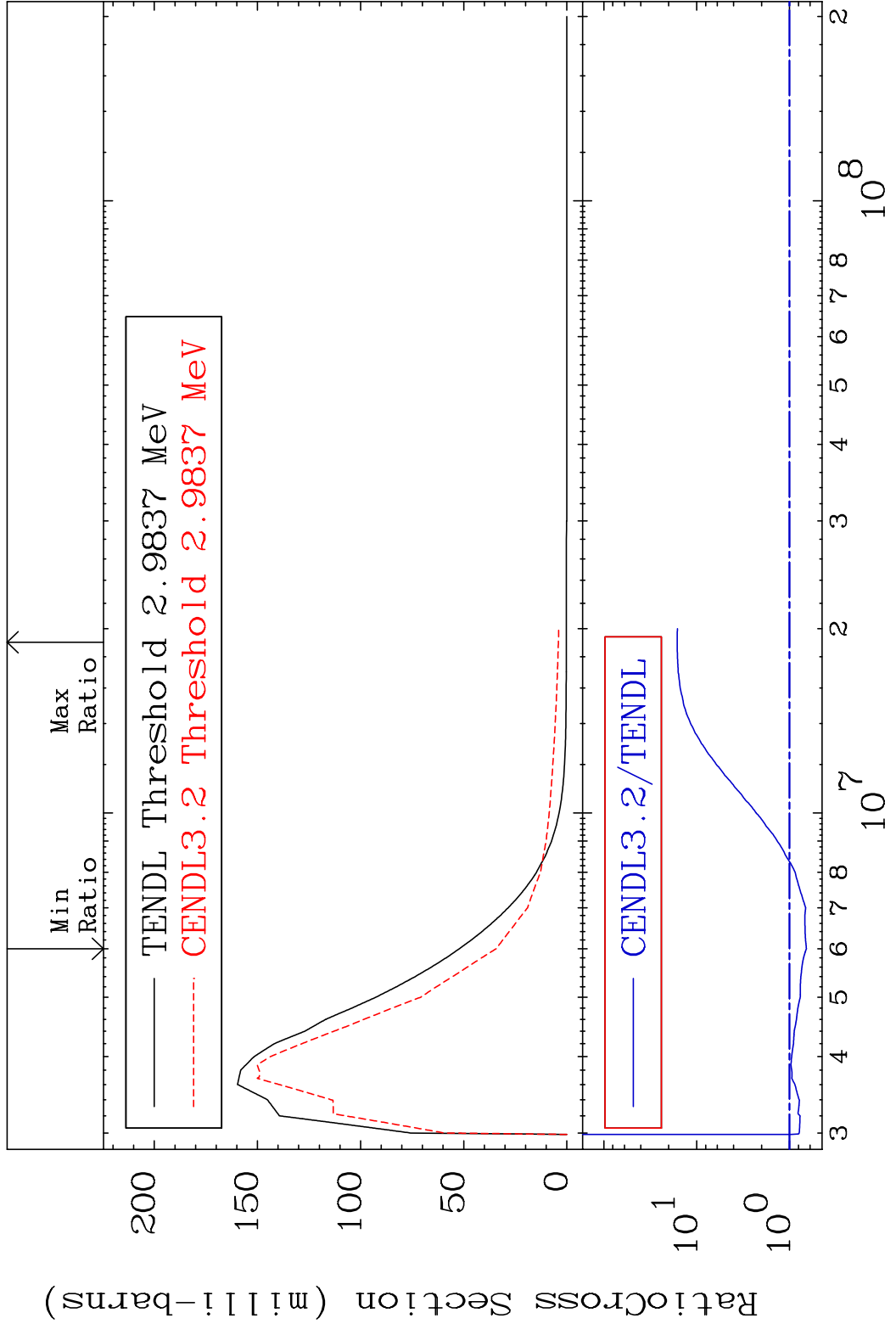
7 Incident Energy (eV) 24-Cr-50

MAT 2425 MT= 52 (n, n') Level 24-Cr-50
 Cross Section -68.52 To 3.982 %

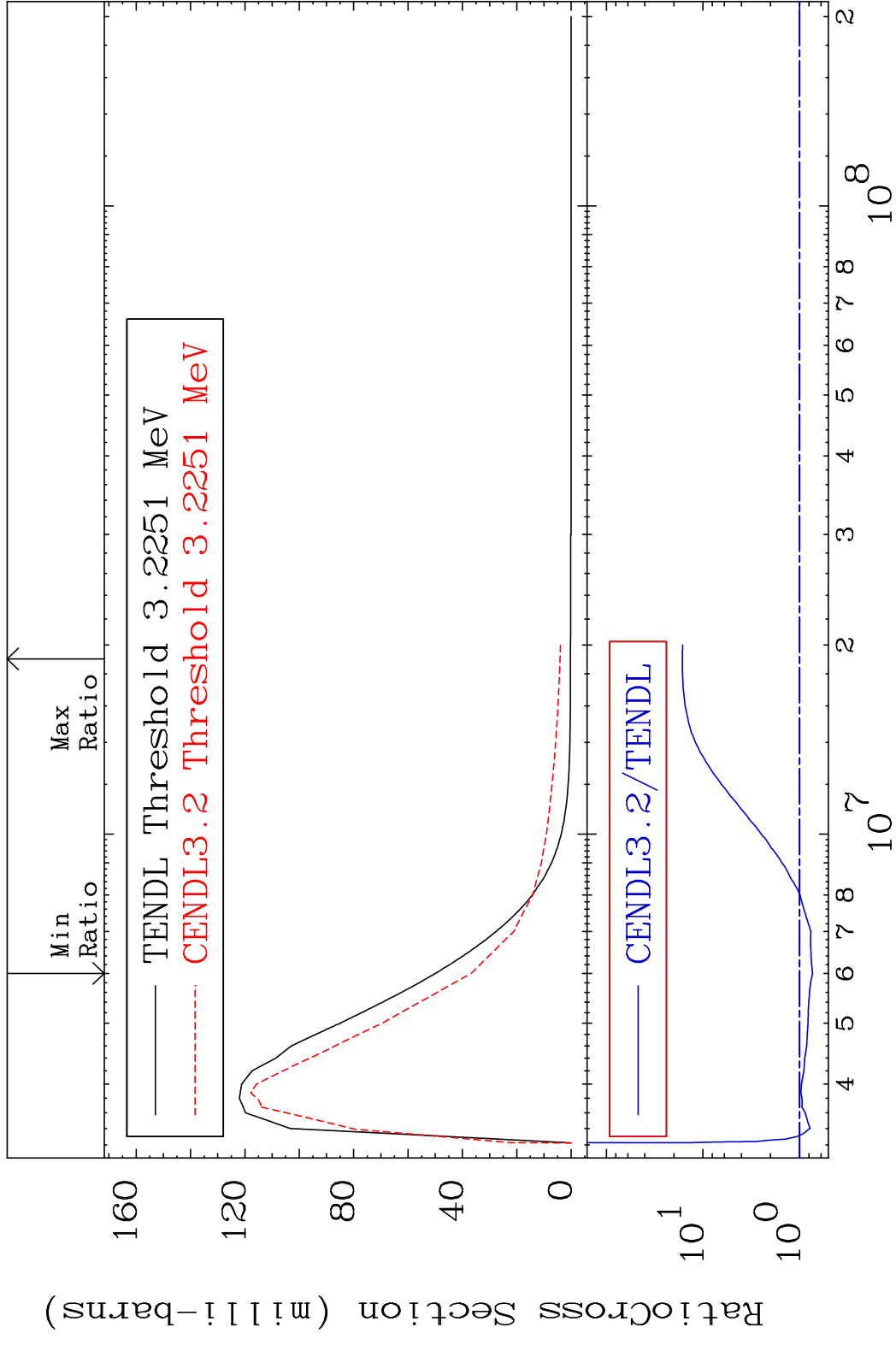


8 Incident Energy (eV) 24-Cr-50

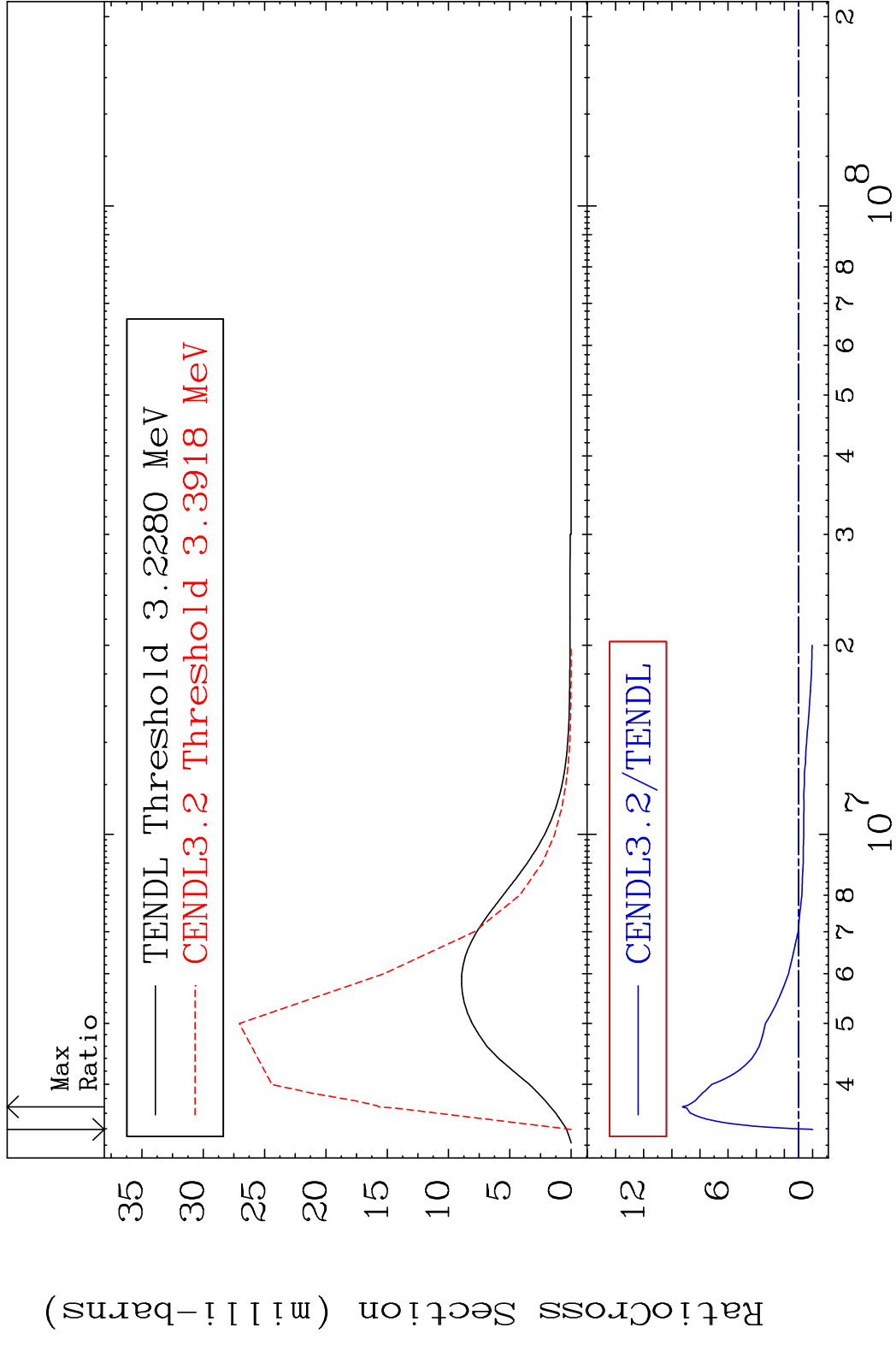
MAT 2425 MT= 53 (n, n') Level 24-Cr-50
 Cross Section -34.27 To 1521. %



MAT 2425 MT= 54 (n, n') Level 24-Cr-50
 Cross Section -26.55 To 1536. %



MAT 2425 MT= 55 (n,n') Level 24-Cr-50
 Cross Section -100.0 To 825.0 %

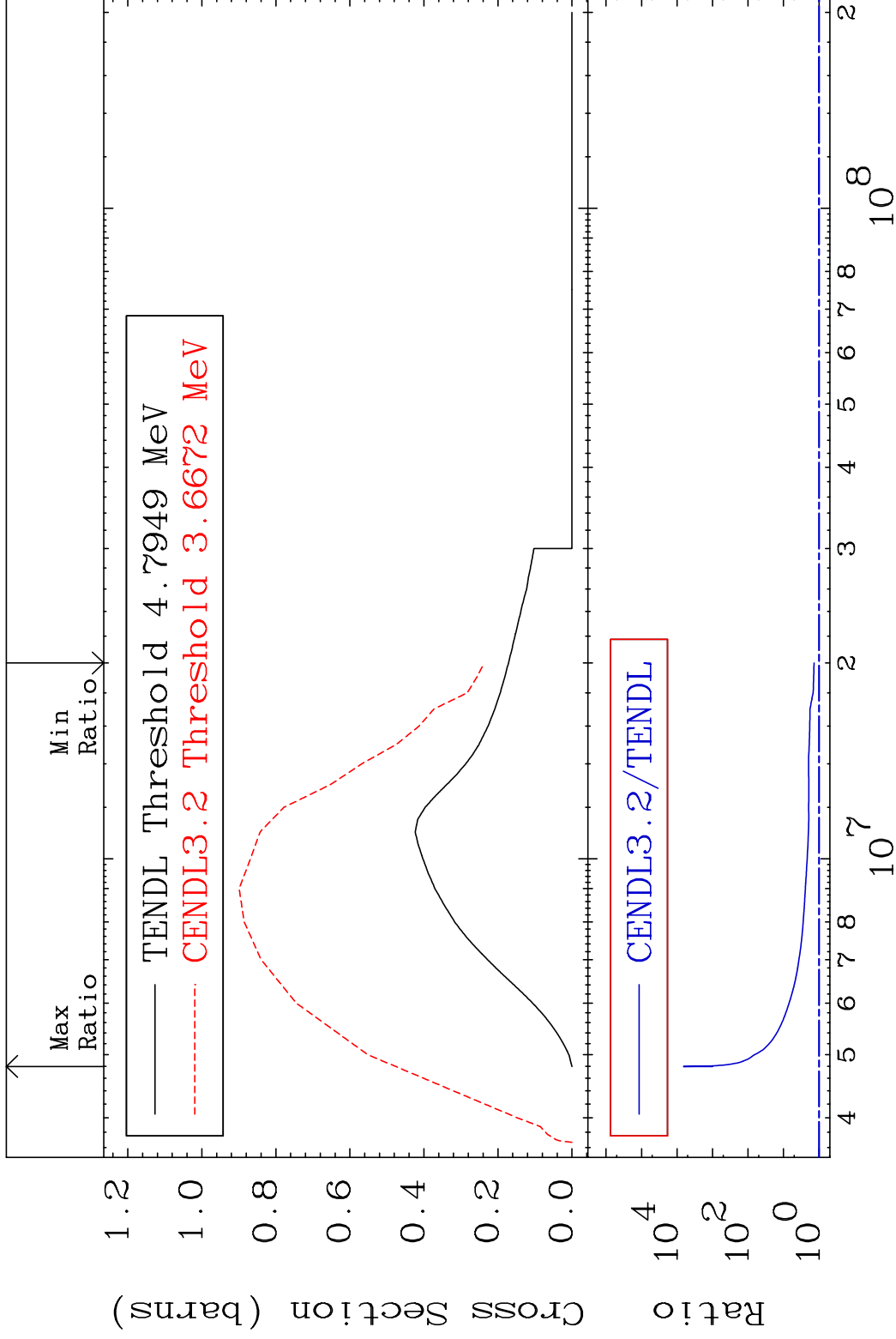


MAT 2425

(n,n') Continuum

²⁴Cr-50

Cross Section 38.29 To 9999. %

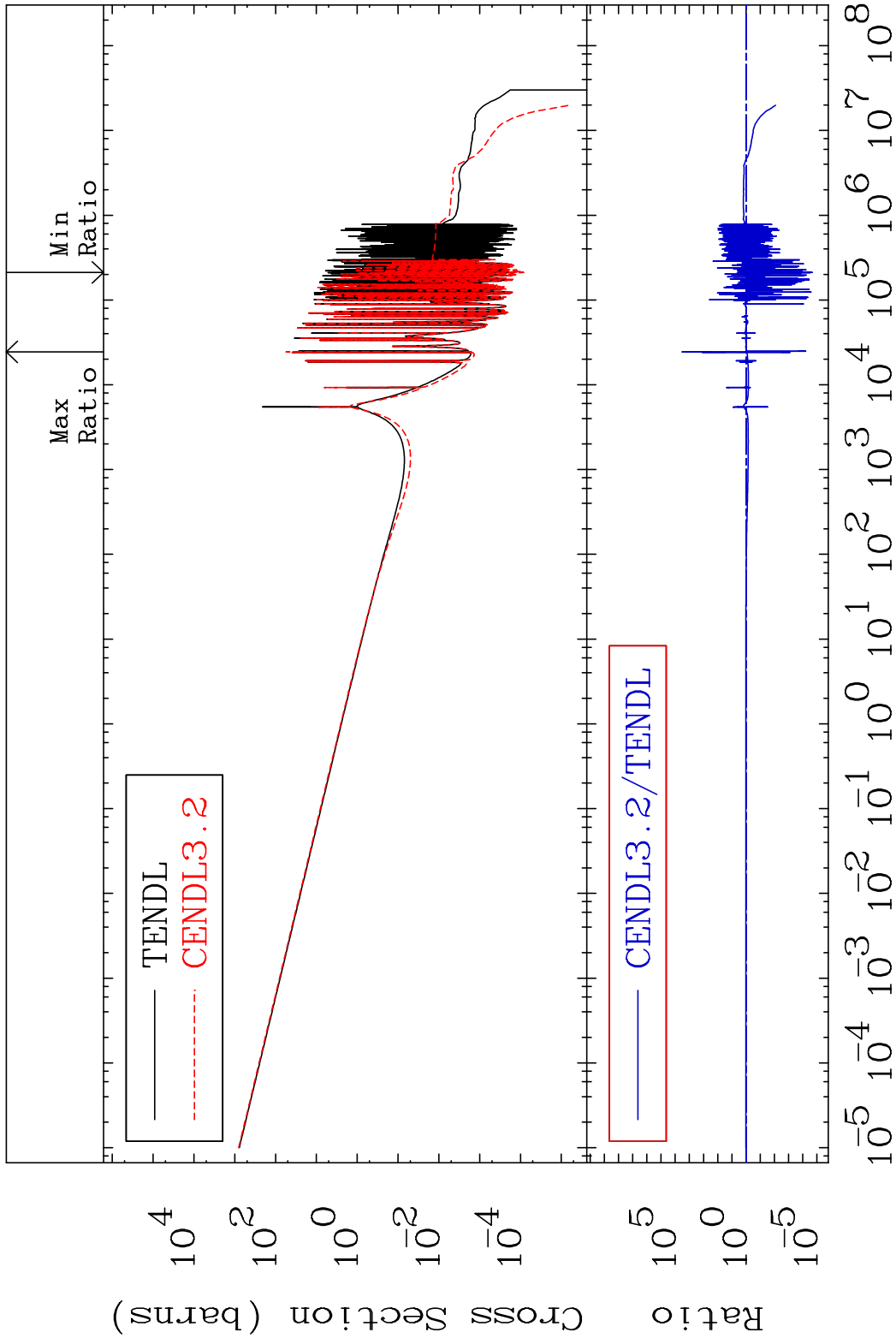


MAT 2425

(n, γ)

24-Cr-50

Cross Section -100.0 To 9999. %

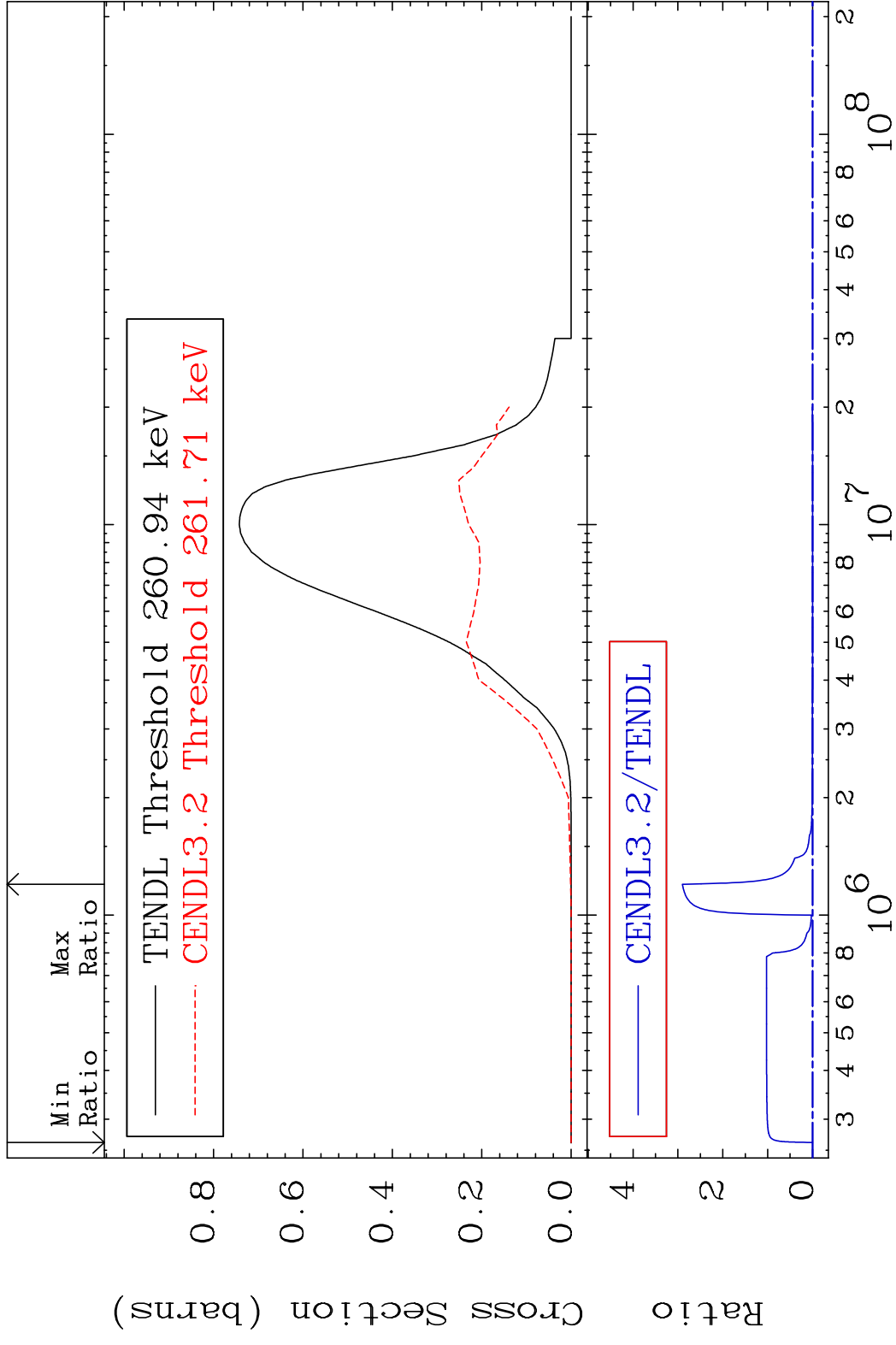


13

Incident Energy (eV)

24-Cr-50

MAT 2425 (n,p) 24-Cr-50
 Cross Section -100.0 To 9999. %



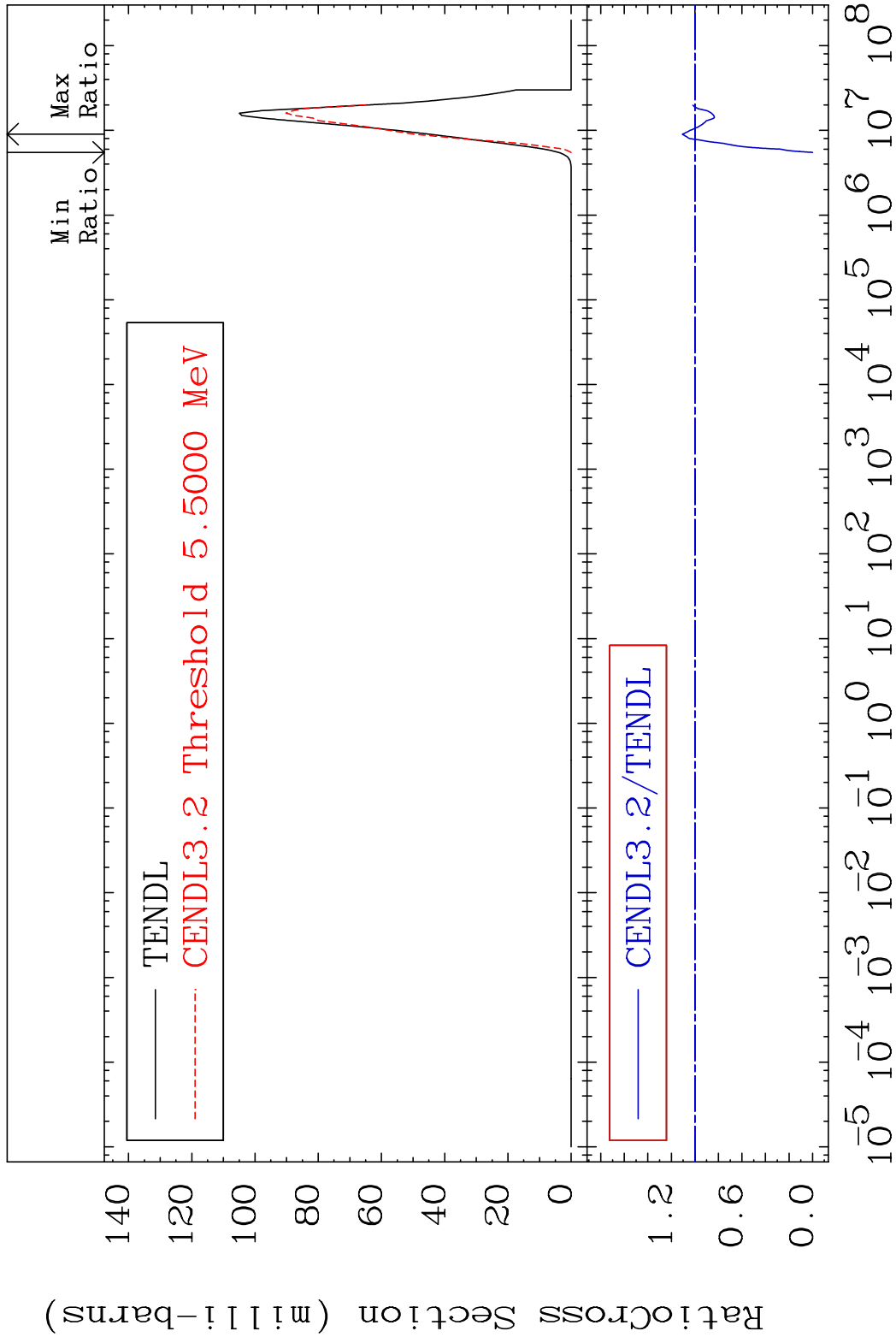
14 Incident Energy (eV) 24-Cr-50

MAT 2425

(n, α)

²⁴Cr-50

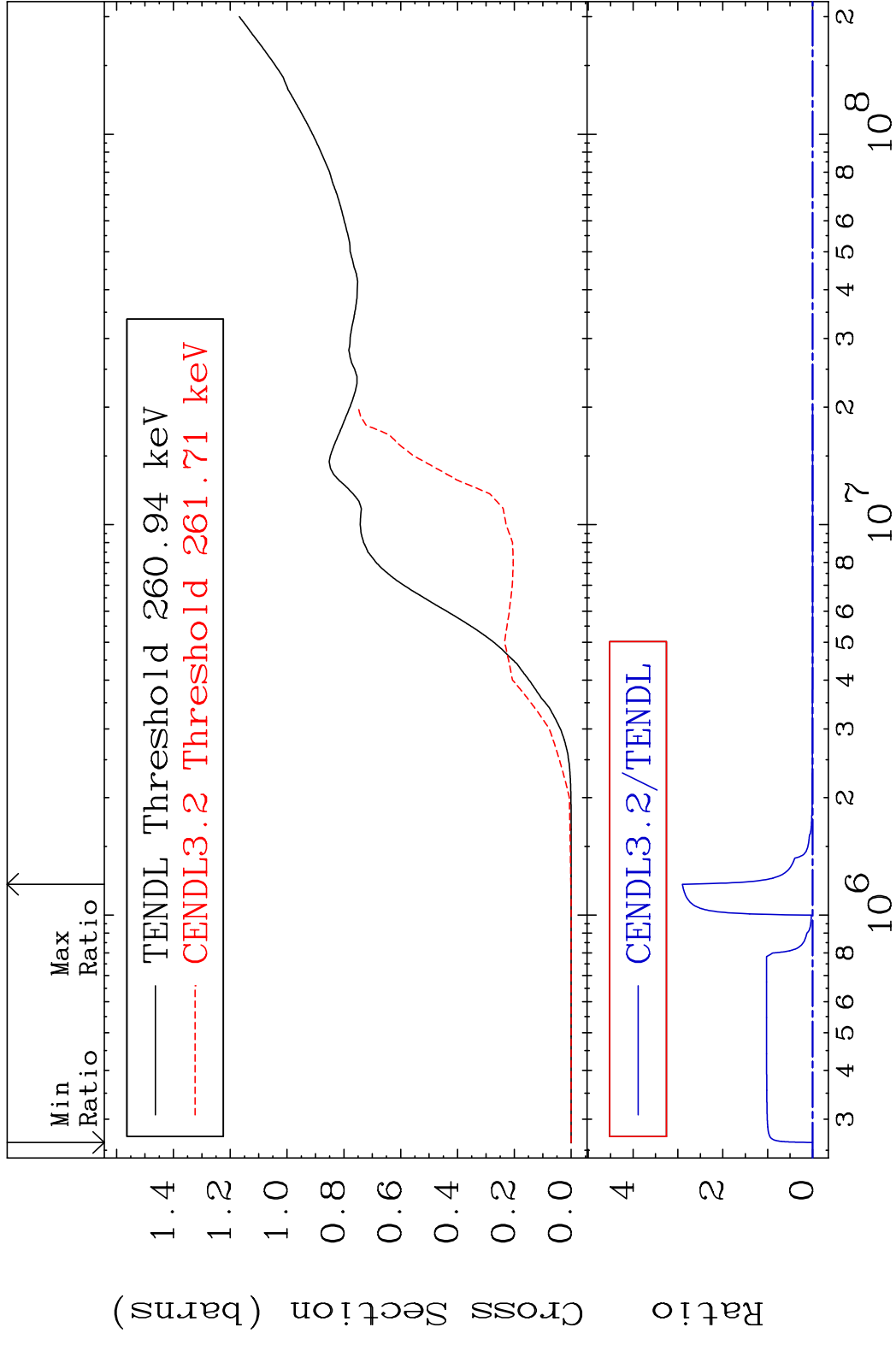
Cross Section -100.0 To 10.64 %



15

Incident Energy (eV)

²⁴Cr-50

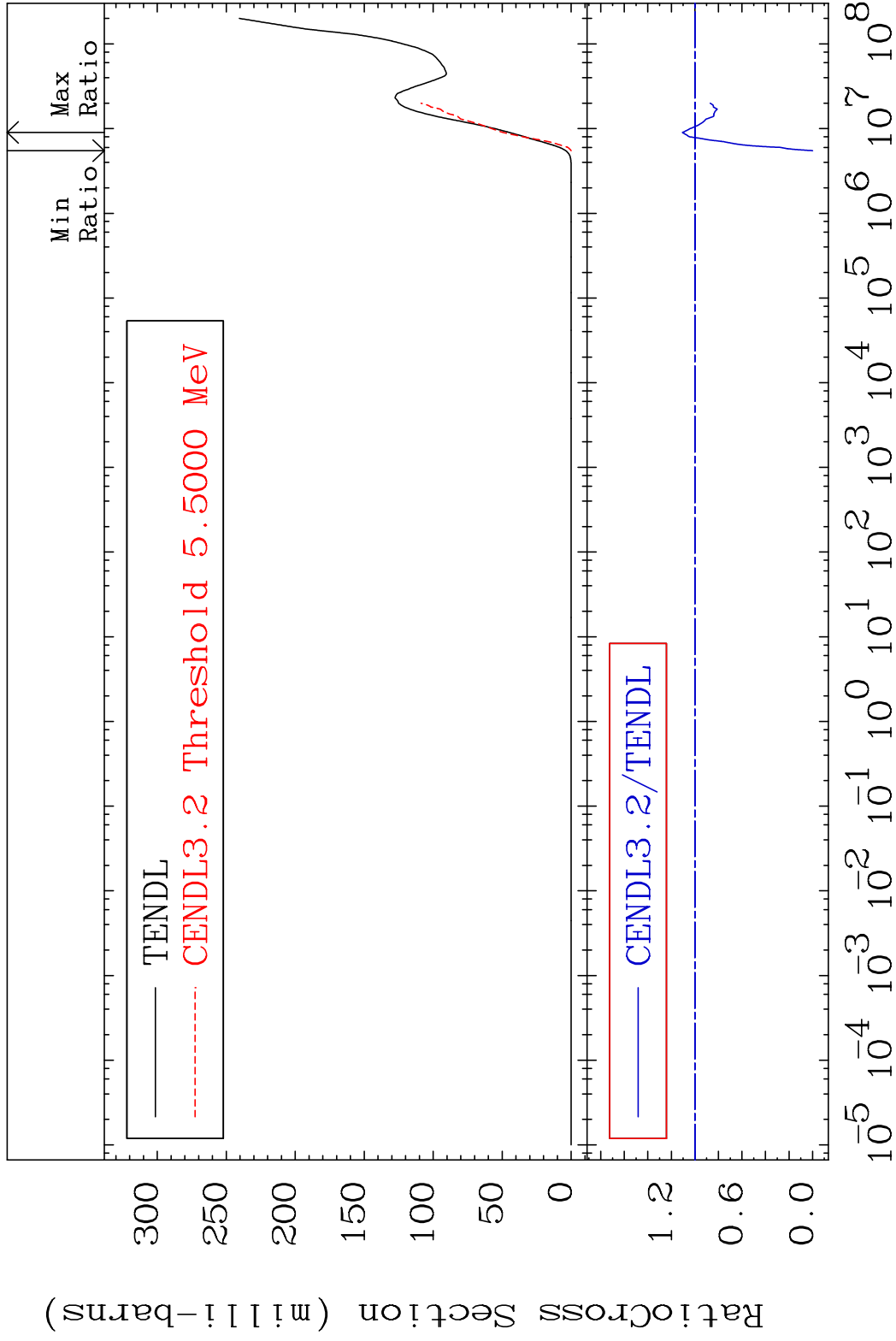


MAT 2425

He-4 Production

²⁴Cr-50

Cross Section -100.0 To 10.64 %

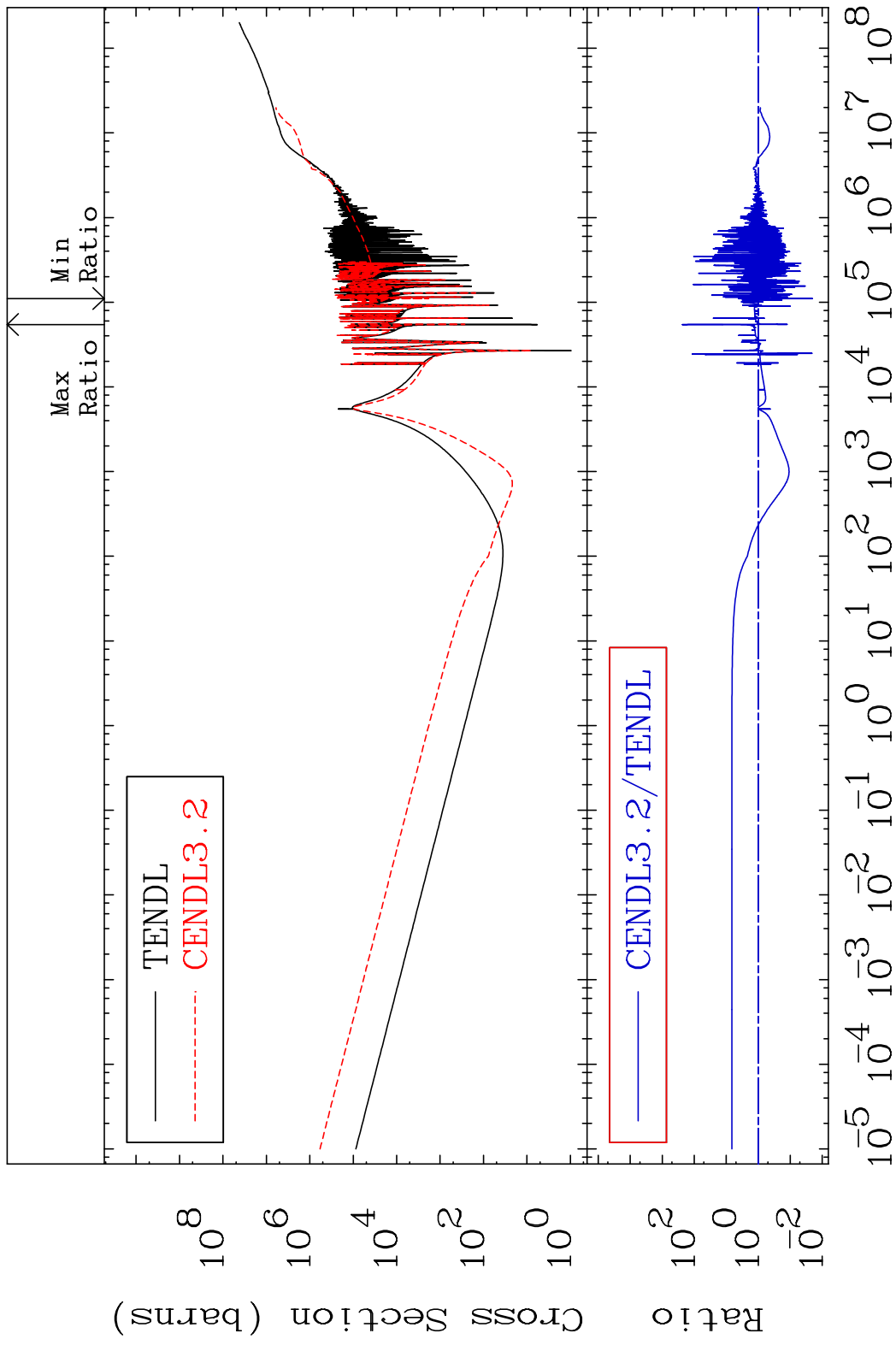


17

Incident Energy (eV)

²⁴Cr-50

MAT 2425 Kerma total (eV-barns) 24-Cr-50
 Cross Section -98.00 To 9999. %

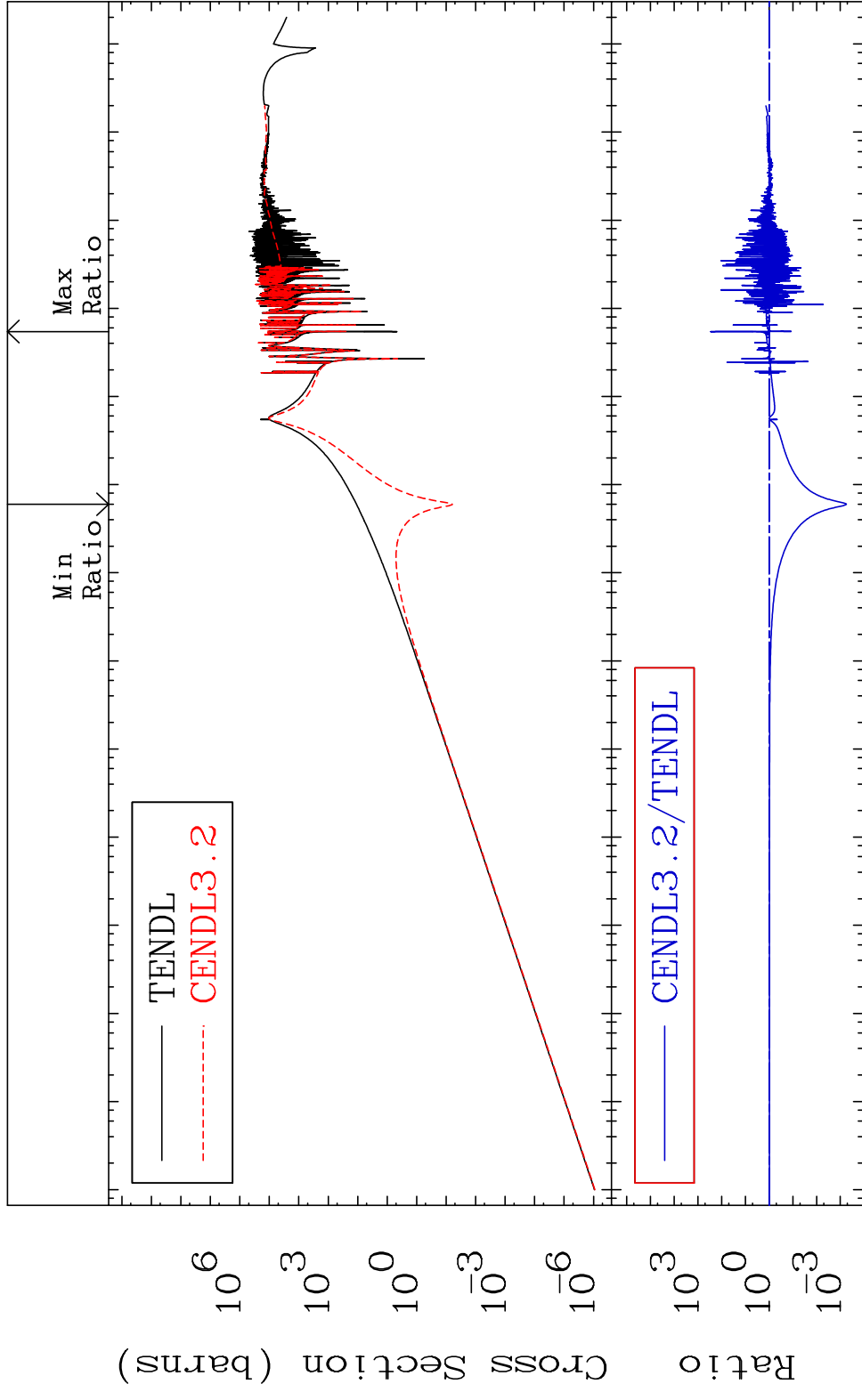


18 Incident Energy (eV) 24-Cr-50

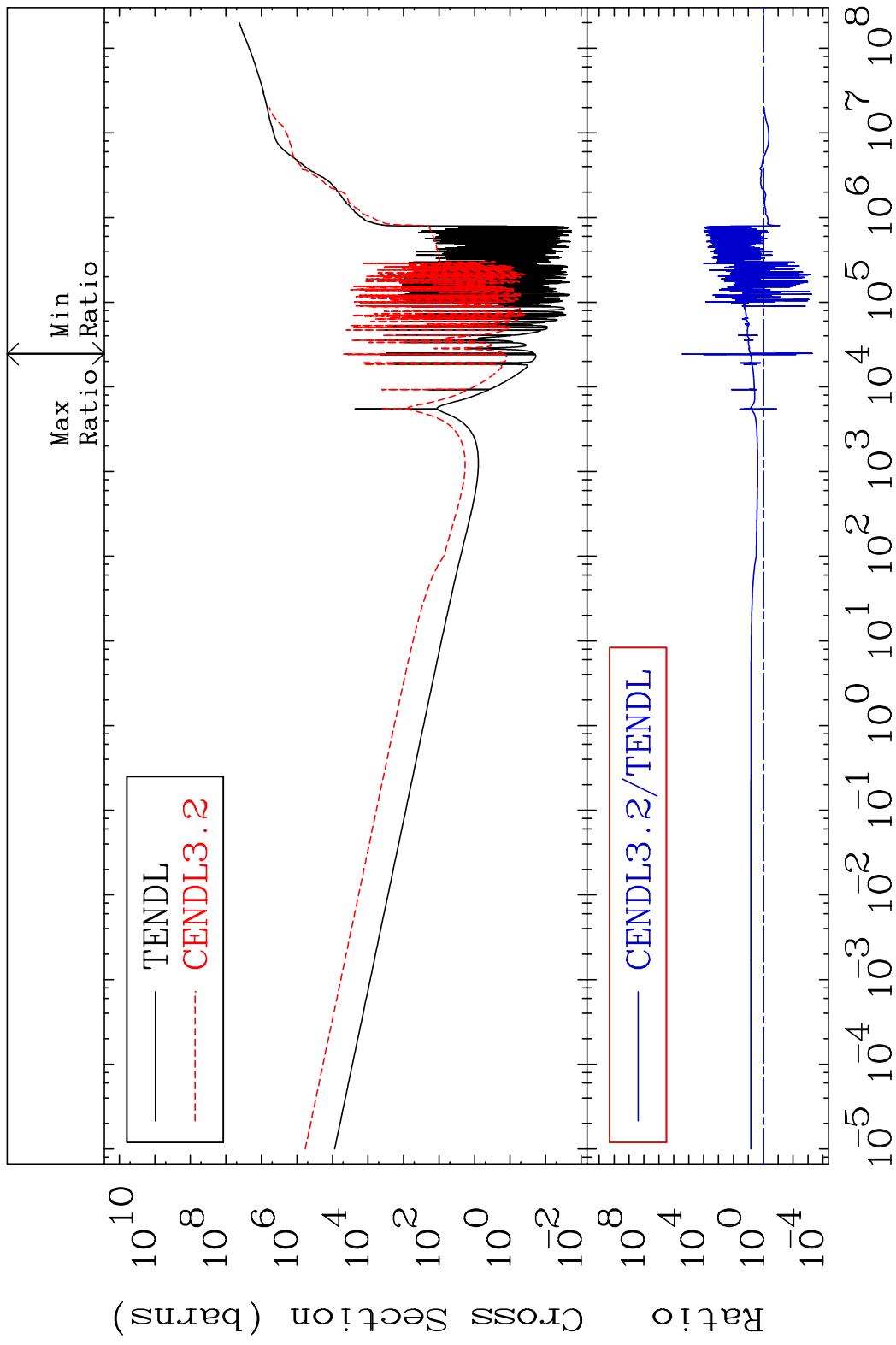
MAT 2425

Kerma elastic
Cross Section

24-Cr-50
-99.94 To 9999. %

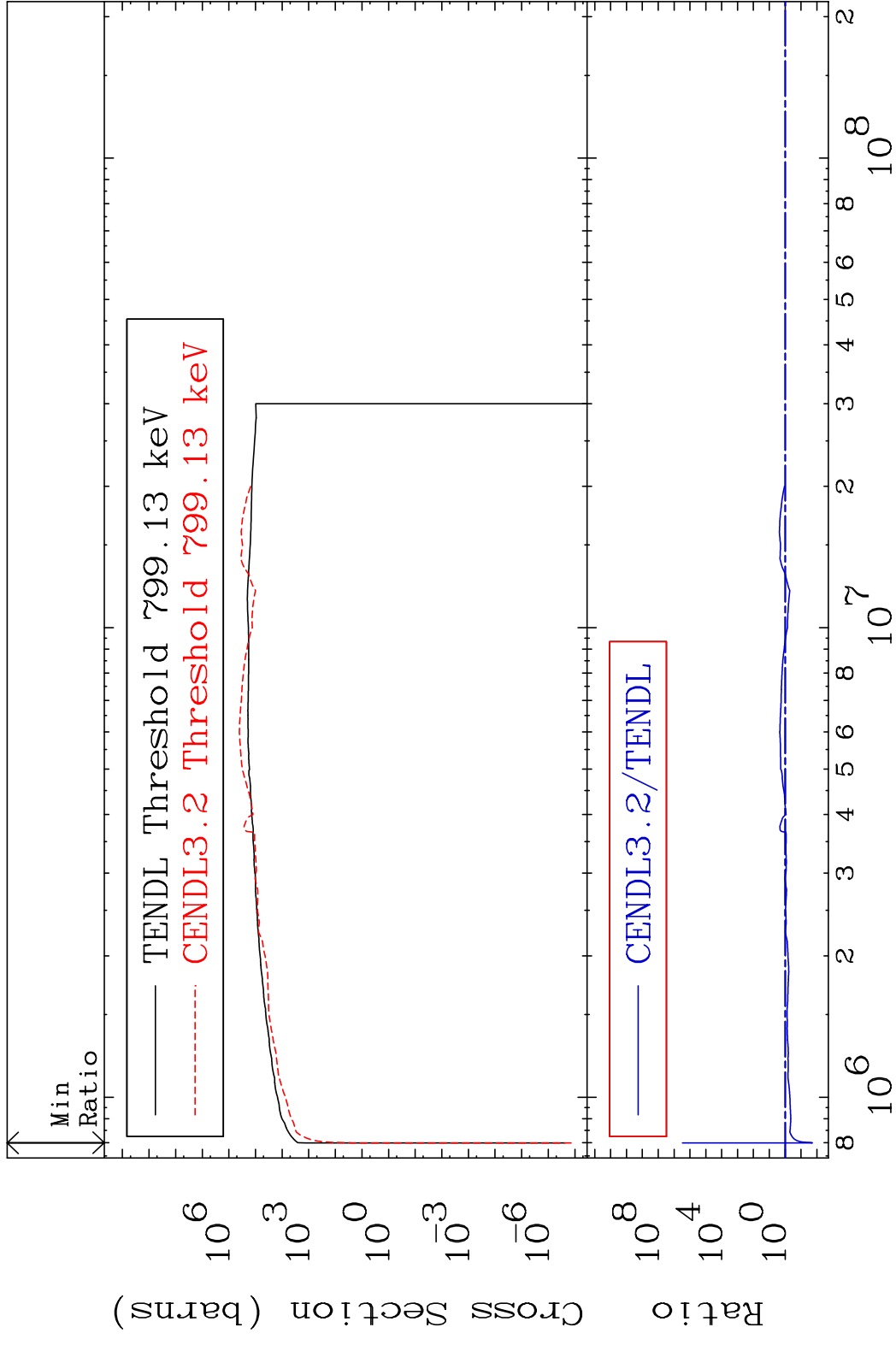


MAT 2425 Kerma non-elastic (all but mt2) 24-Cr-50
Cross Section -99.95 To 9999. %

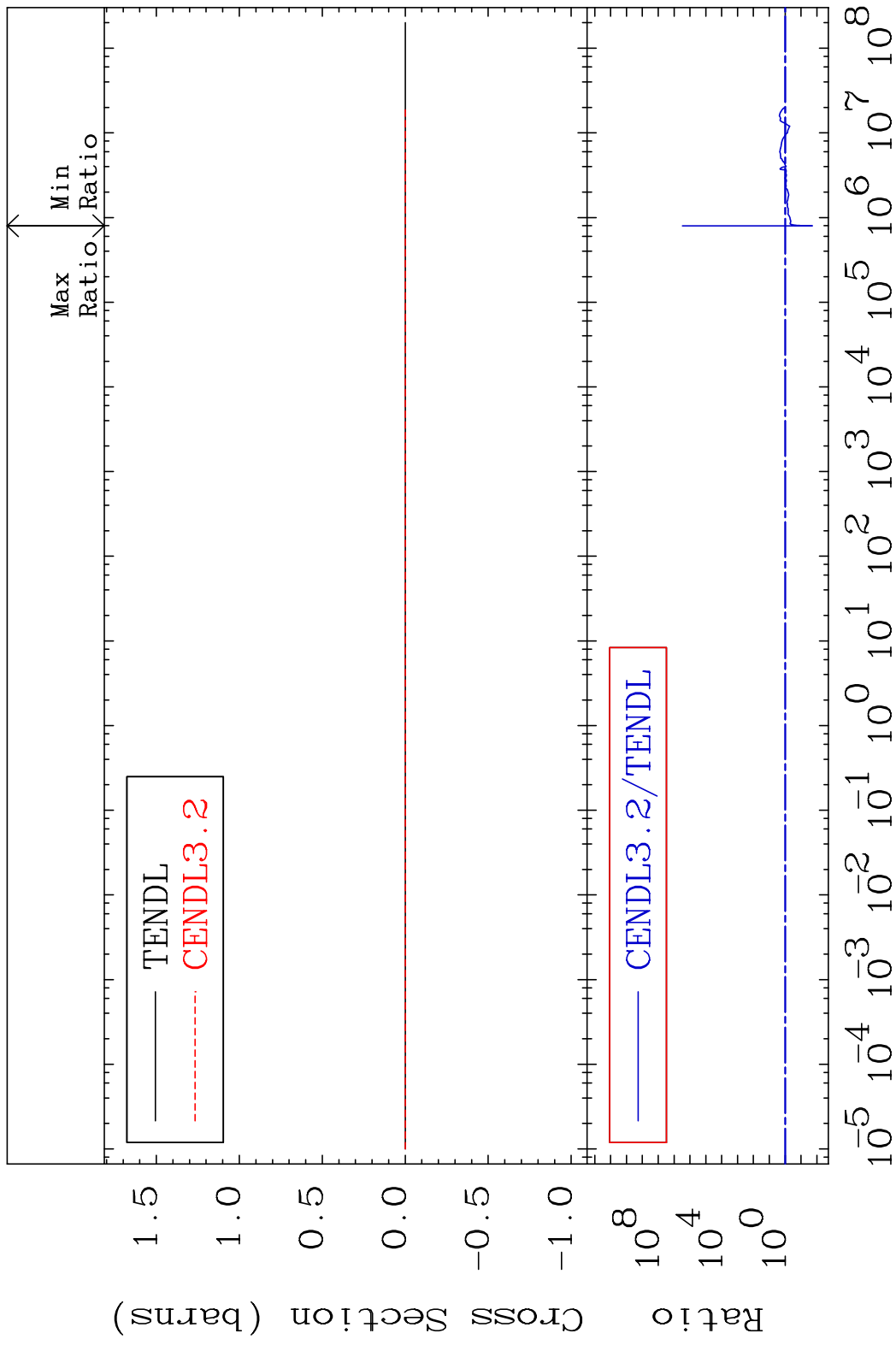


20 Incident Energy (eV) 24-Cr-50

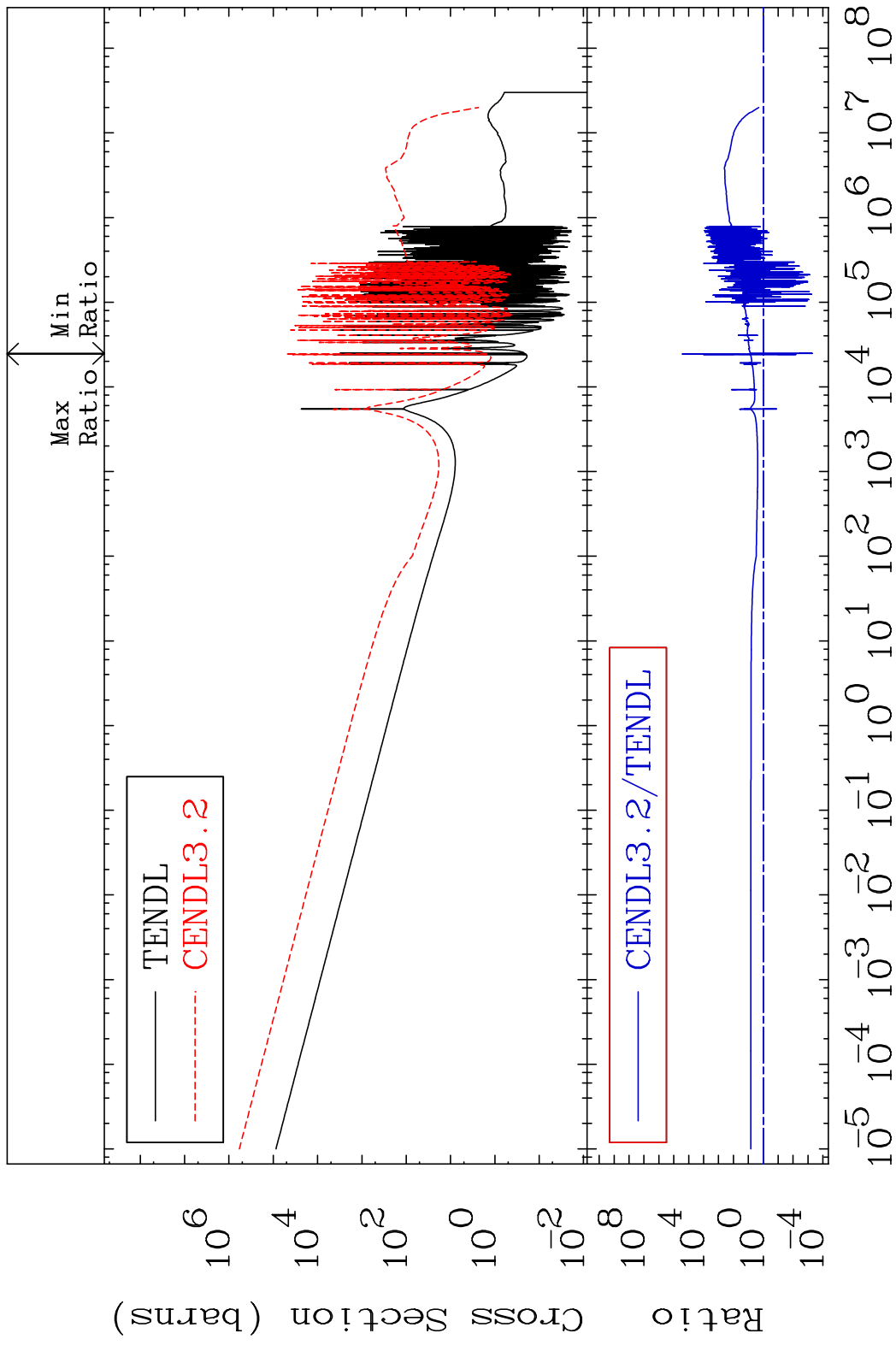
MAT 2425 Kerma inelastic (mt51-91) 24-Cr-50
 Cross Section -98.13 To 9999. %



MAT 2425 Kerma fission (mt18 or mt19-20-21-38) 24-Cr-50
 Cross Section -98.13 To 9999. %

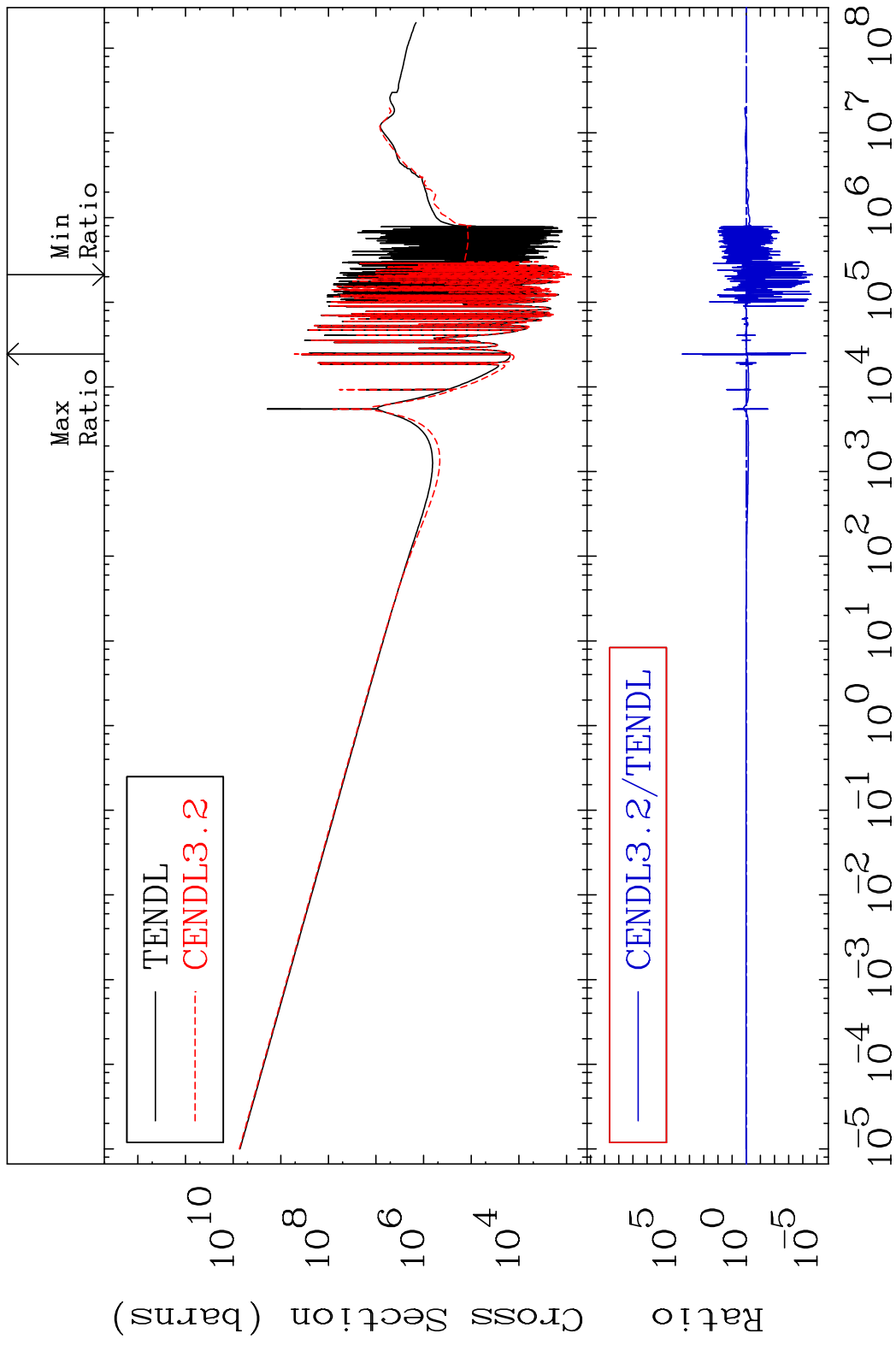


MAT 2425 Kerma capture (mt102) 24-Cr-50
 Cross Section -99.95 To 9999. %



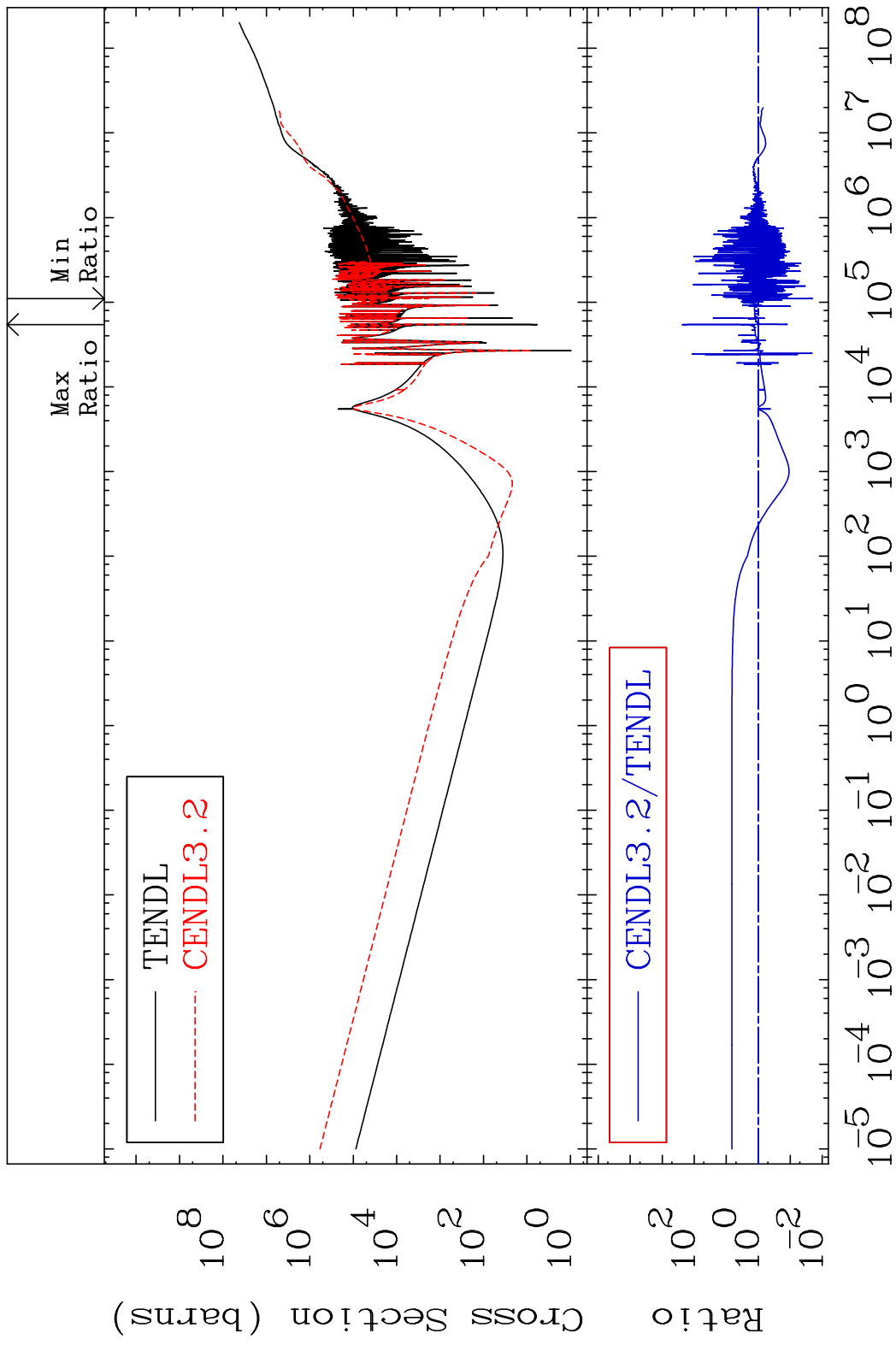
23 Incident Energy (eV) 24-Cr-50

MAT 2425 Total photon (eV-barns) 24-Cr-50
Cross Section -100.0 To 9999. %



24 Incident Energy (eV) 24-Cr-50

MAT 2425 Total kinematic kerma (high limit) 24-Cr-50
 Cross Section -98.00 To 9999. %

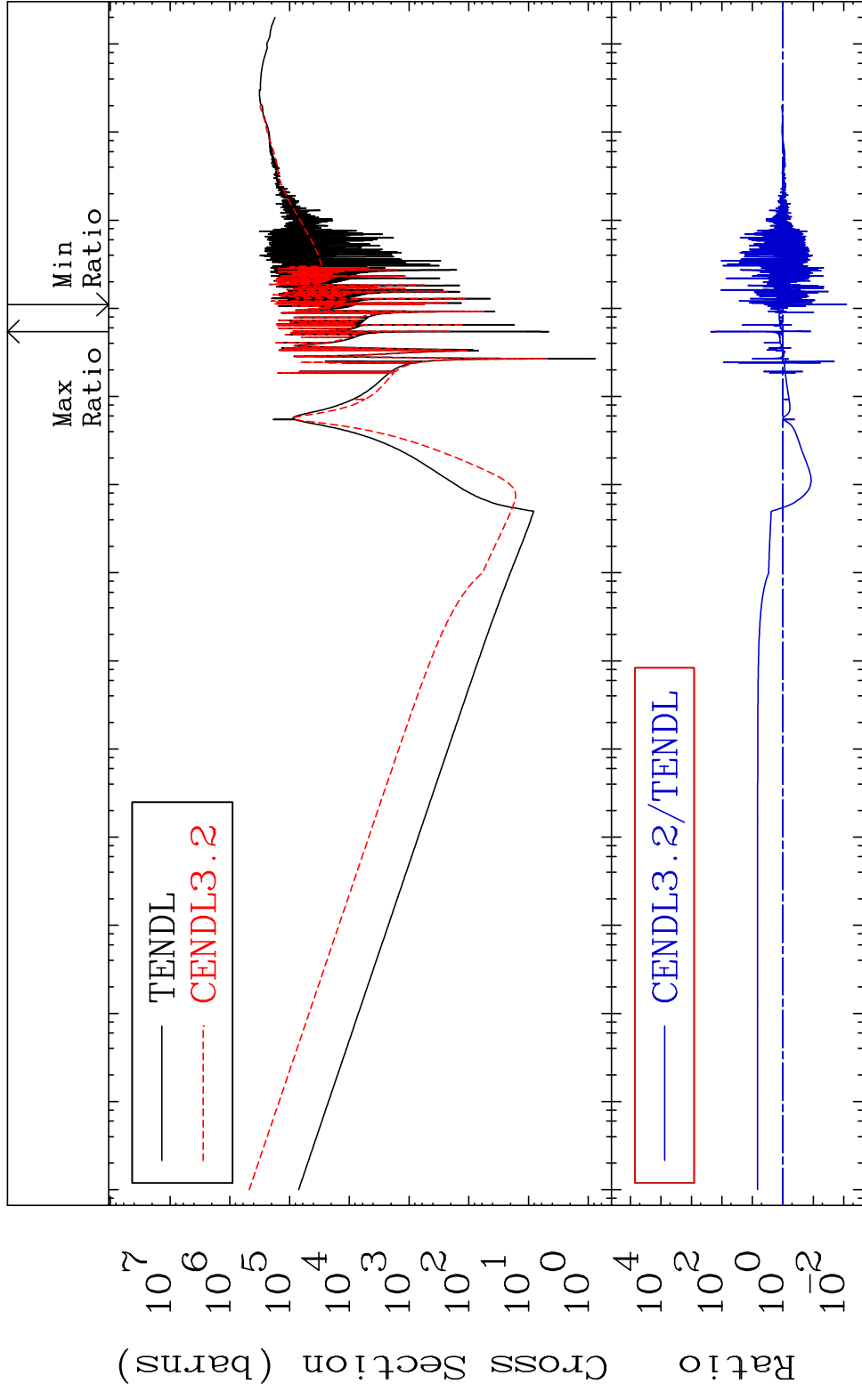


MAT 2425

Dpa total (eV-barns)

24-Cr-50

Cross Section -99.17 To 9999. %

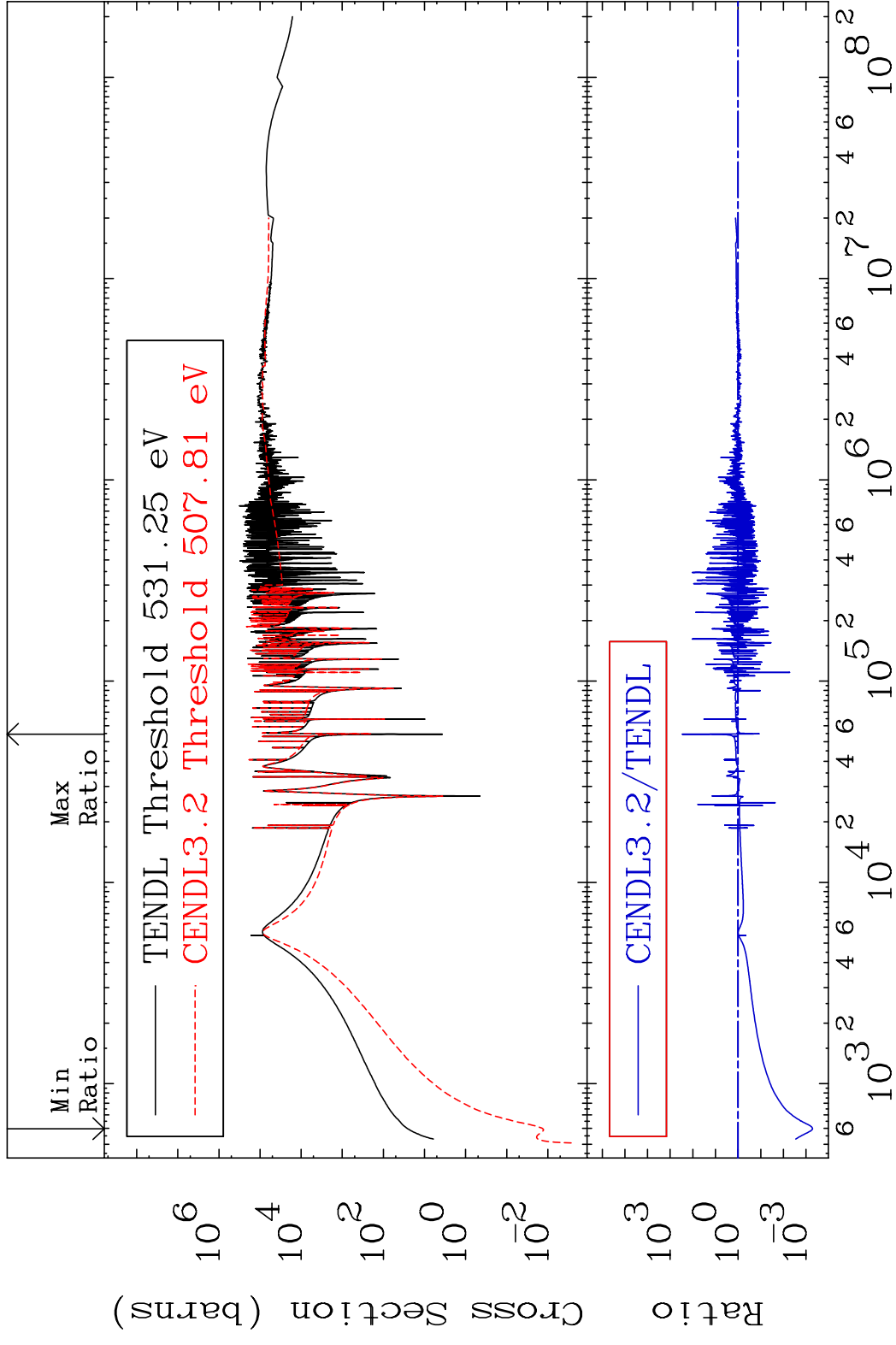


26

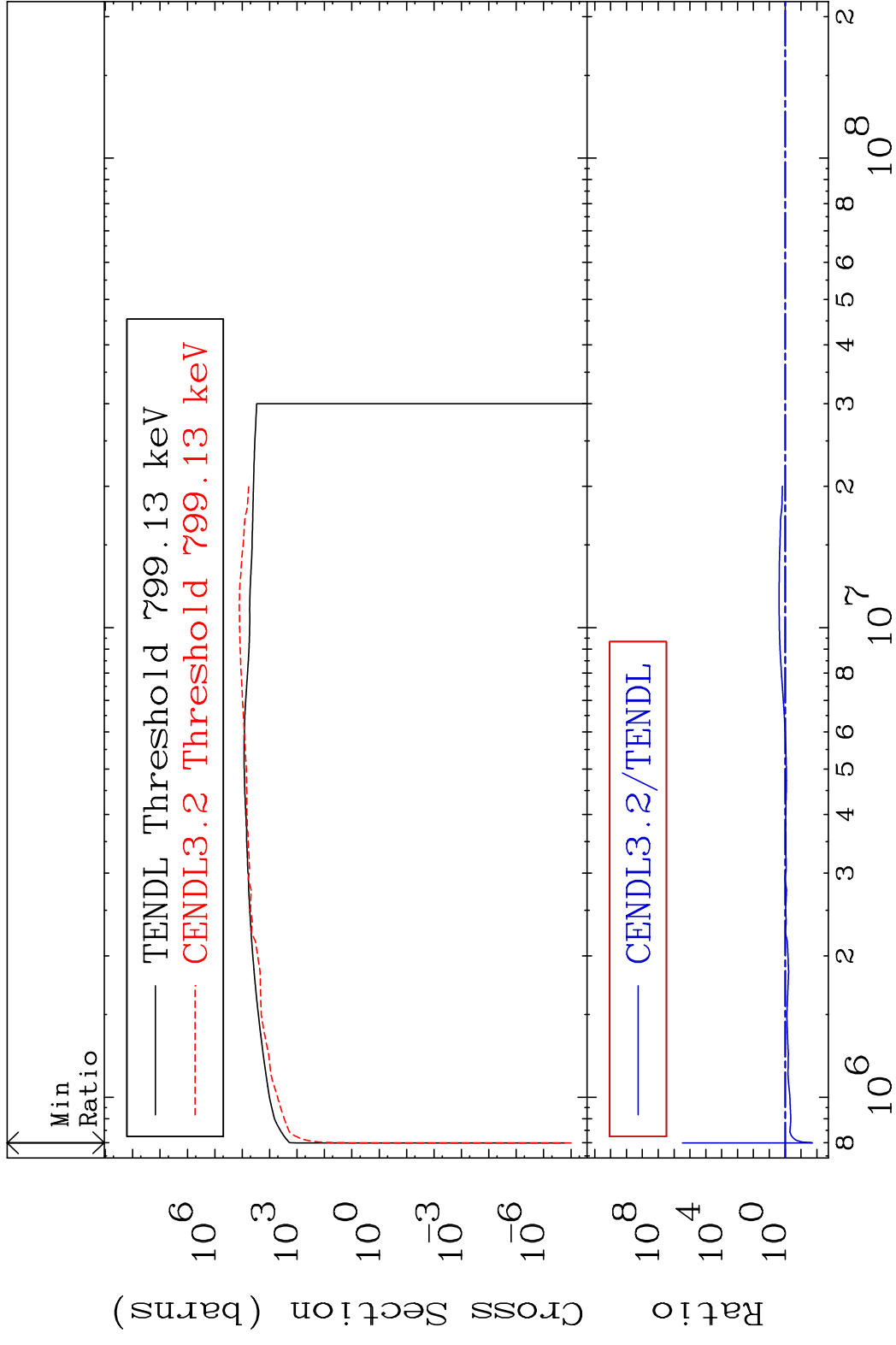
Incident Energy (eV)

24-Cr-50

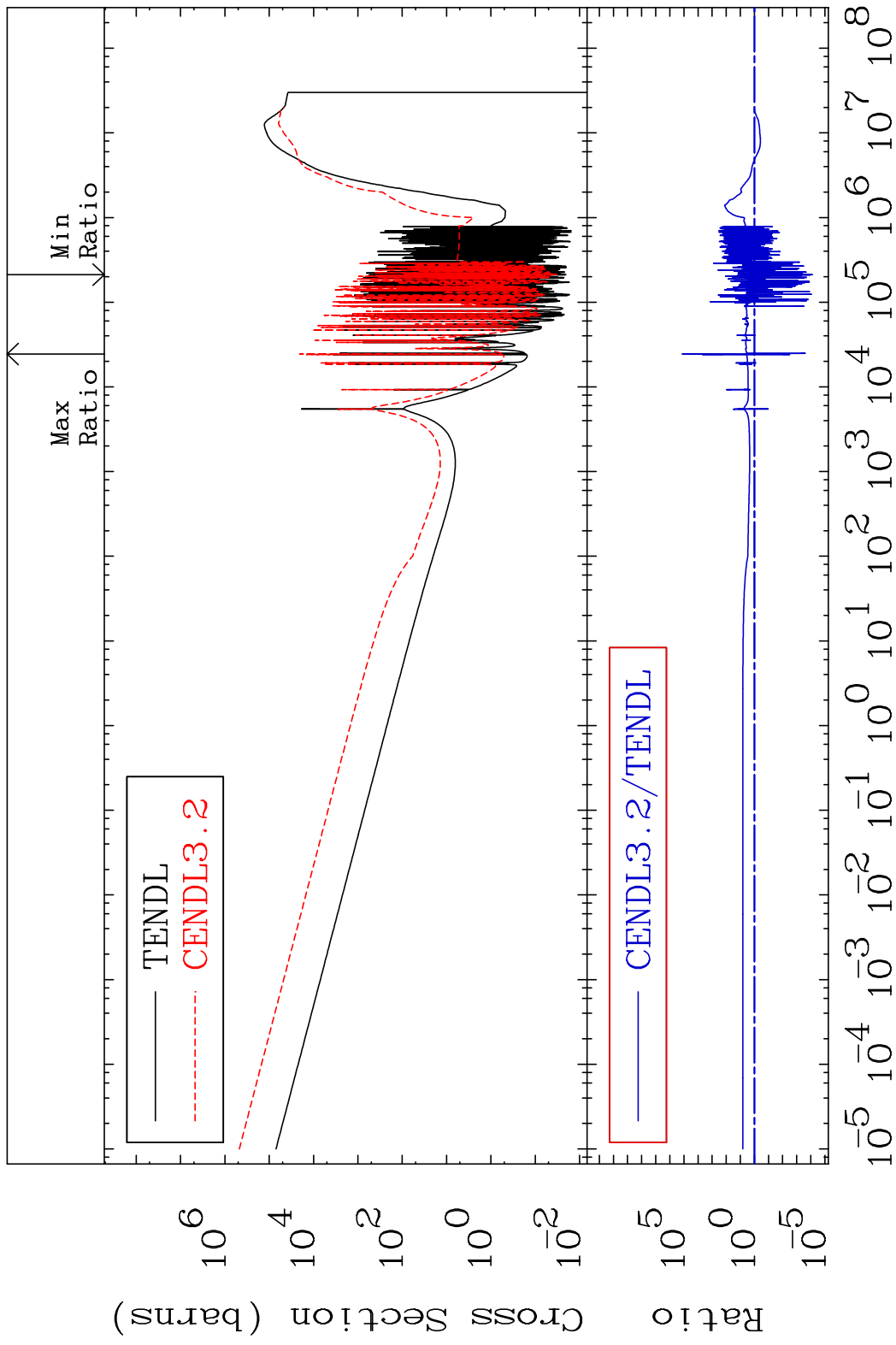
MAT 2425 Dpa elastic (mt2) 24-Cr-50
 Cross Section -99.95 To 9999. %



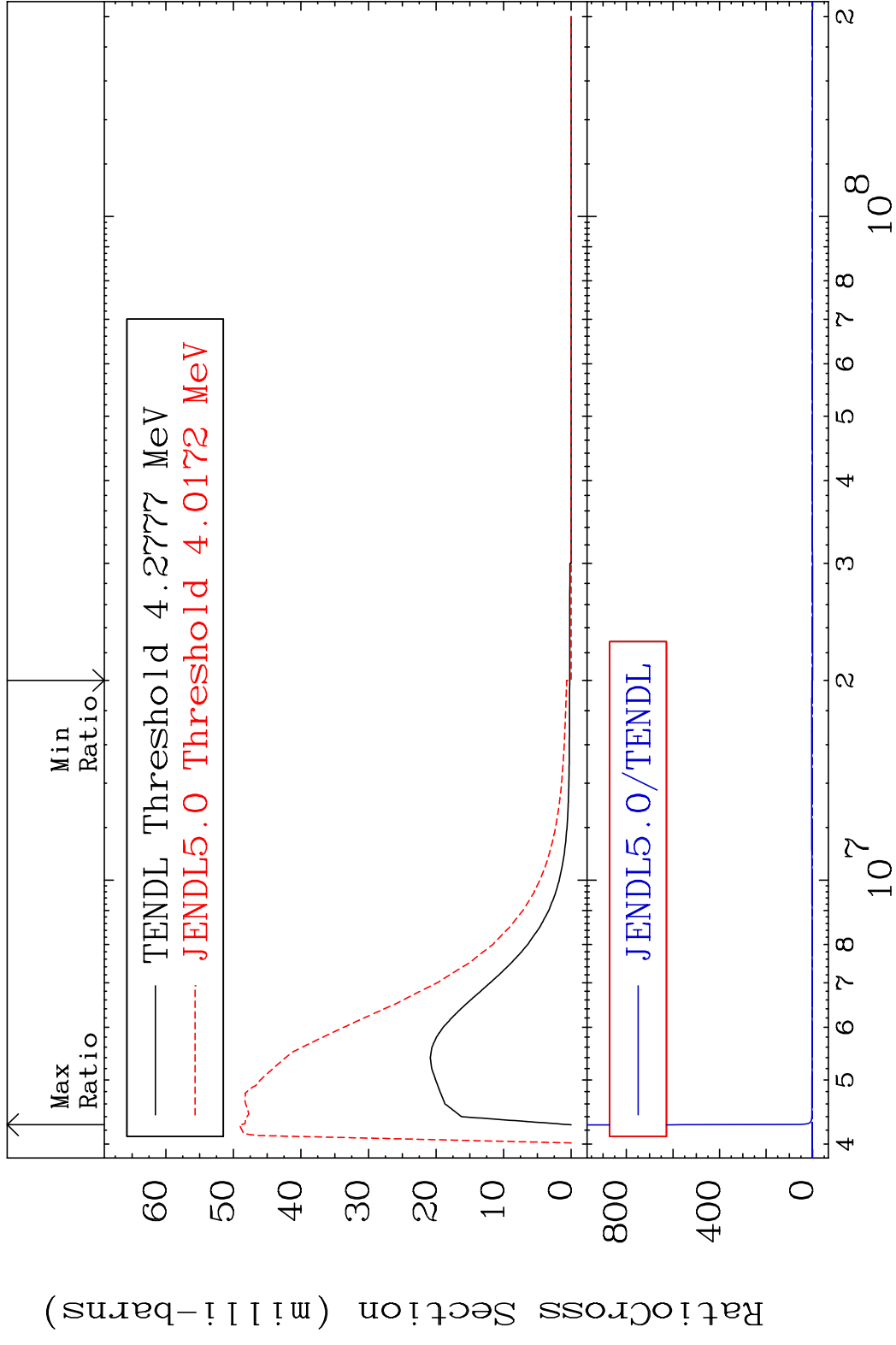
MAT 2425 Dpa inelastic (mt51-91) ²⁴Cr-50
 Cross Section -98.13 To 9999. %



MAT 2425 Dpa disappearance (mt102 -120) 24-Cr-50
 Cross Section -99.99 To 9999. %

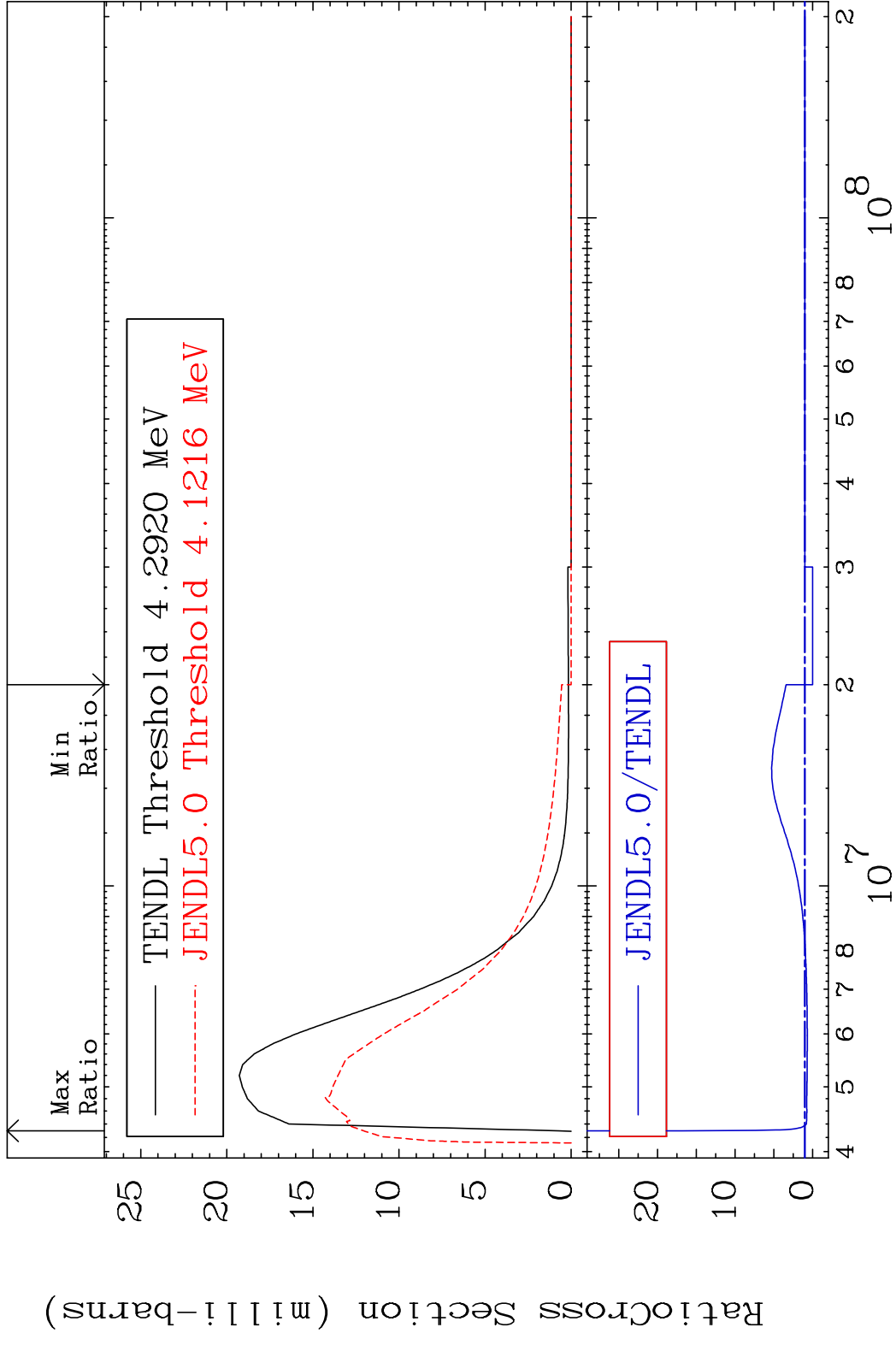


MAT 2425 MT= 72 (n, n') Level 24-Cr-50
 Cross Section -100.0 To 9999. %

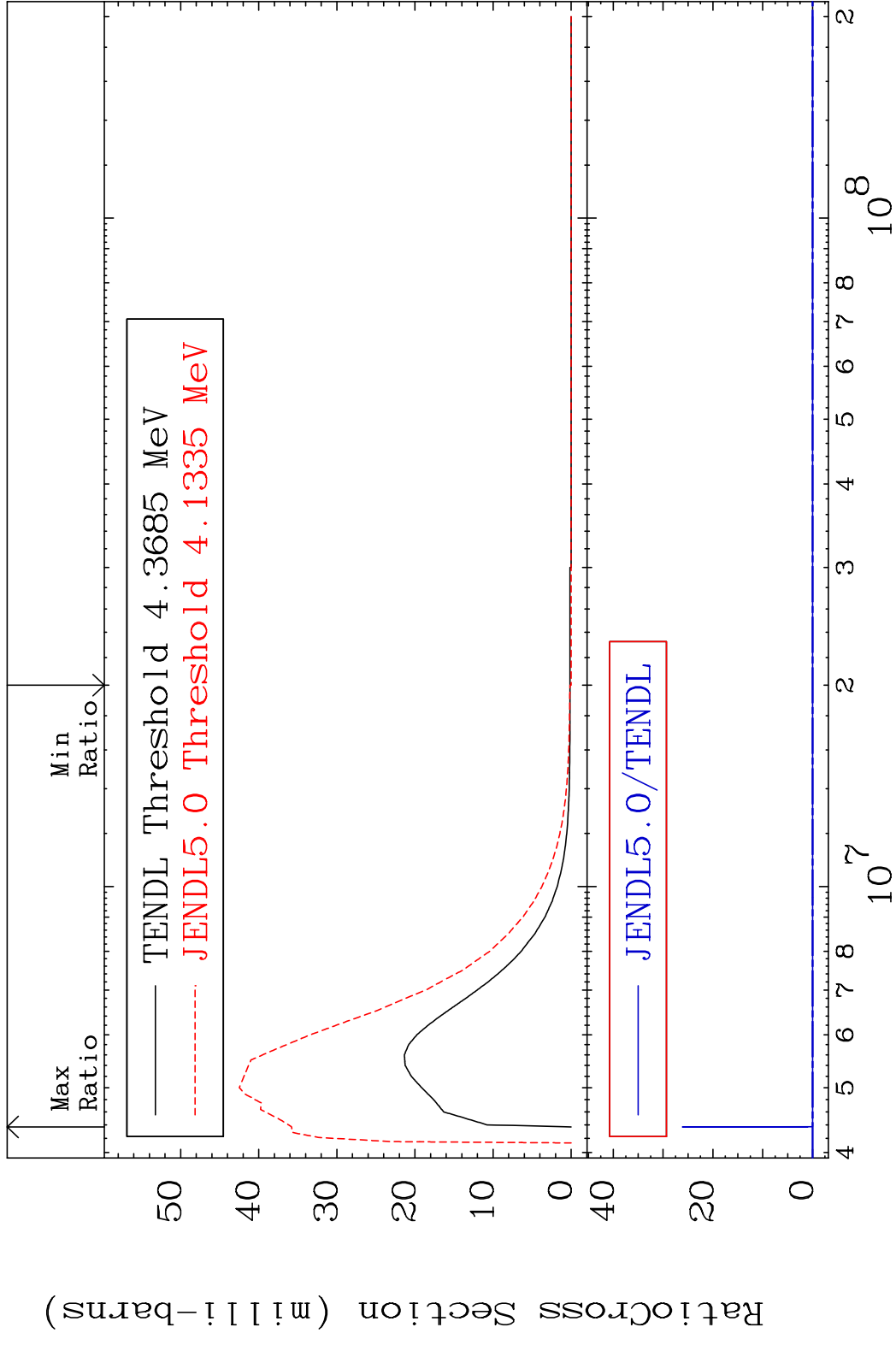


30 24-Cr-50

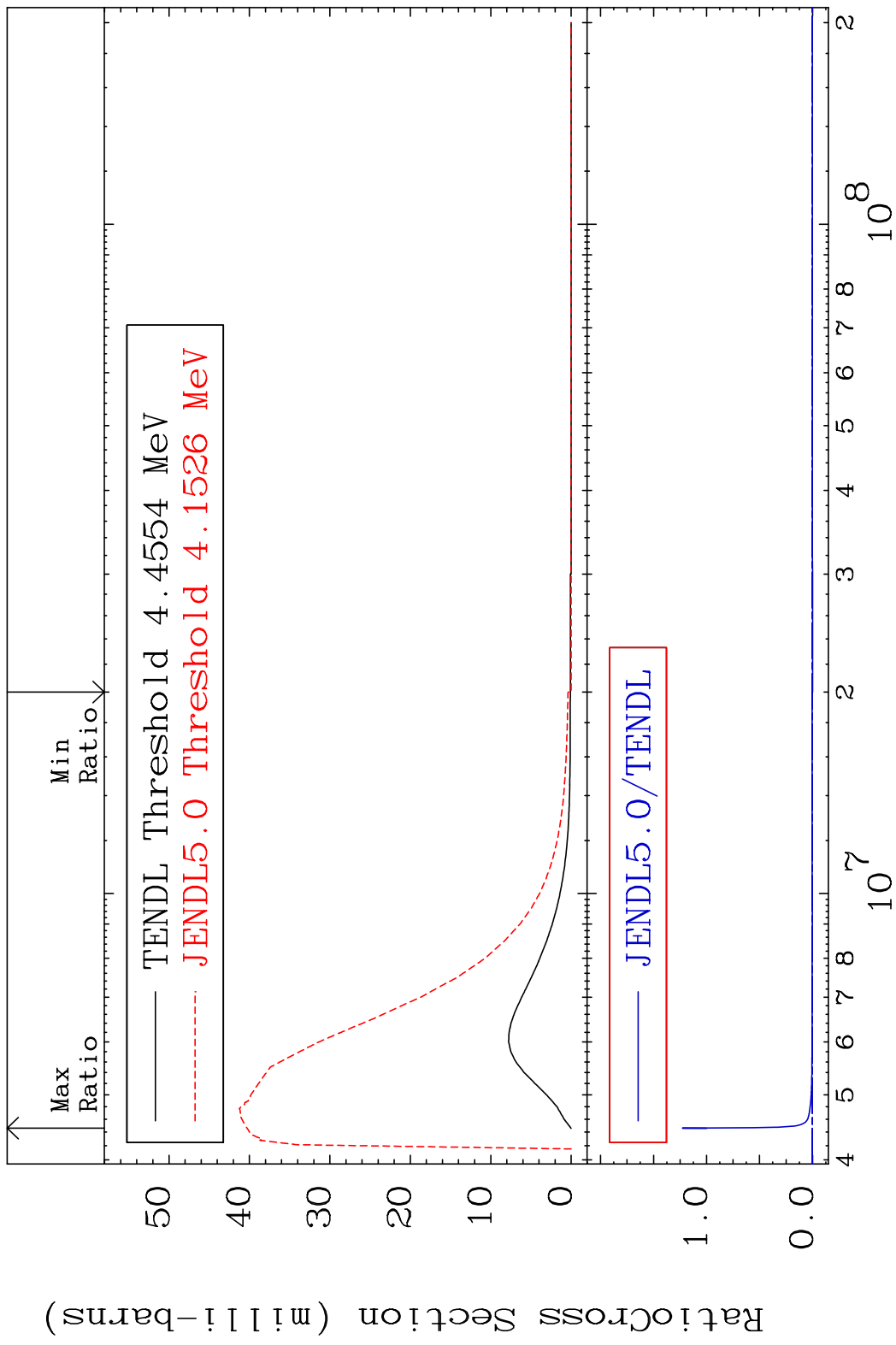
MAT 2425 MT= 73 (n, n') Level 24-Cr-50
 Cross Section -100.0 To 1579. %



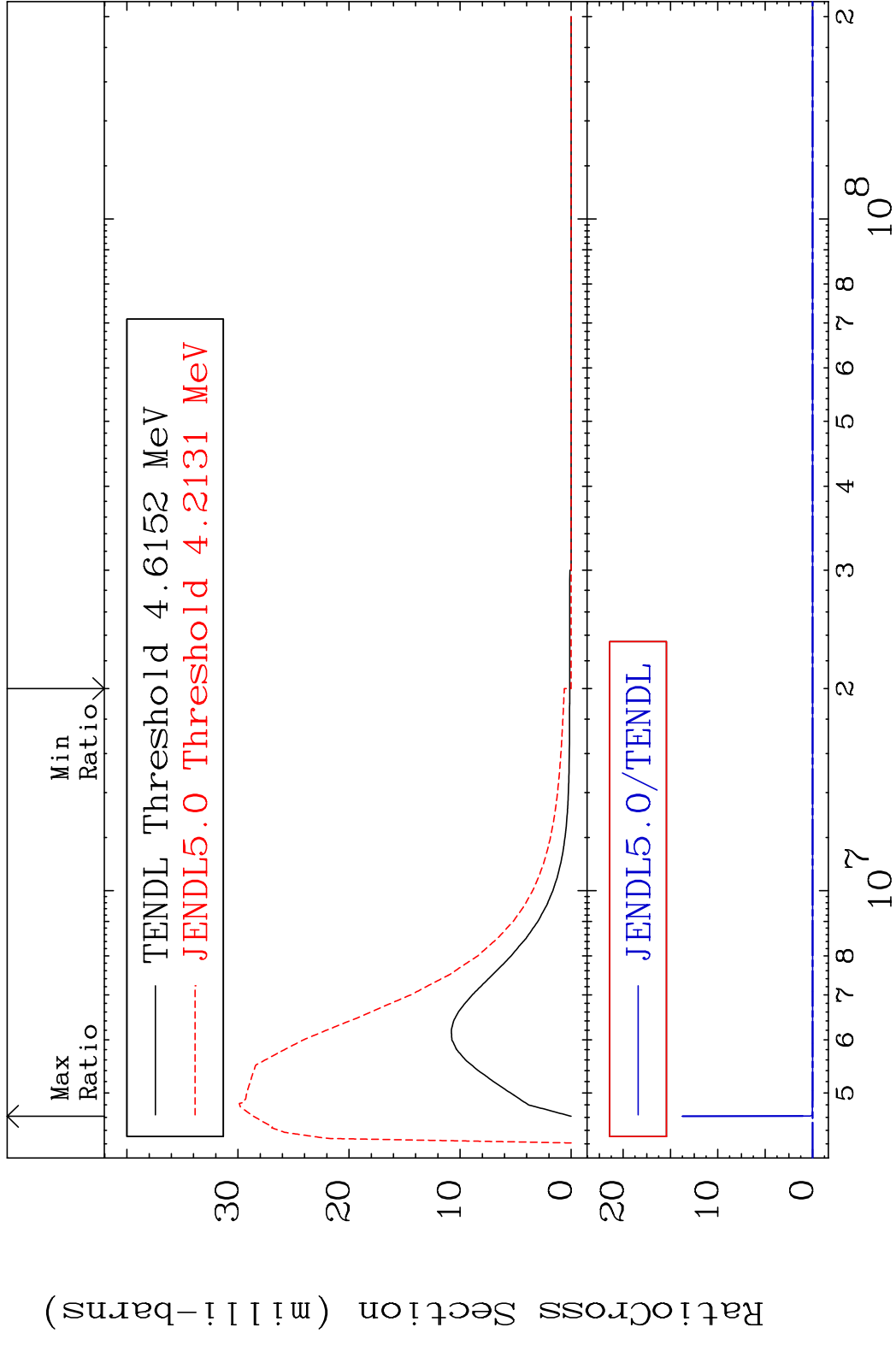
MAT 2425 MT= 74 (n,n') Level 24-Cr-50
 Cross Section -100.0 To 9999. %



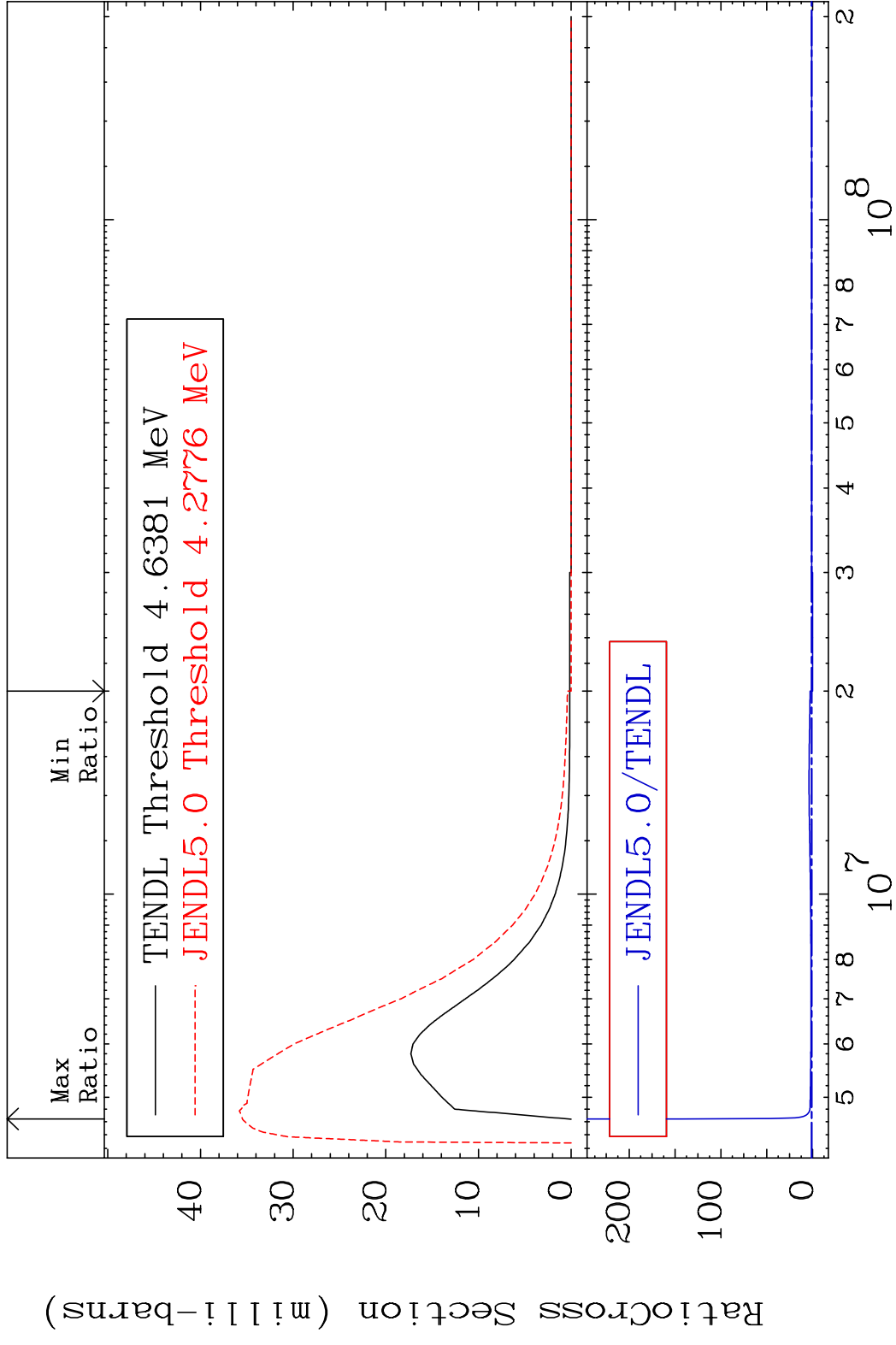
MAT 2425 MT= 75 (n,n') Level 24-Cr-50
 Cross Section -100.0 To 9999. %



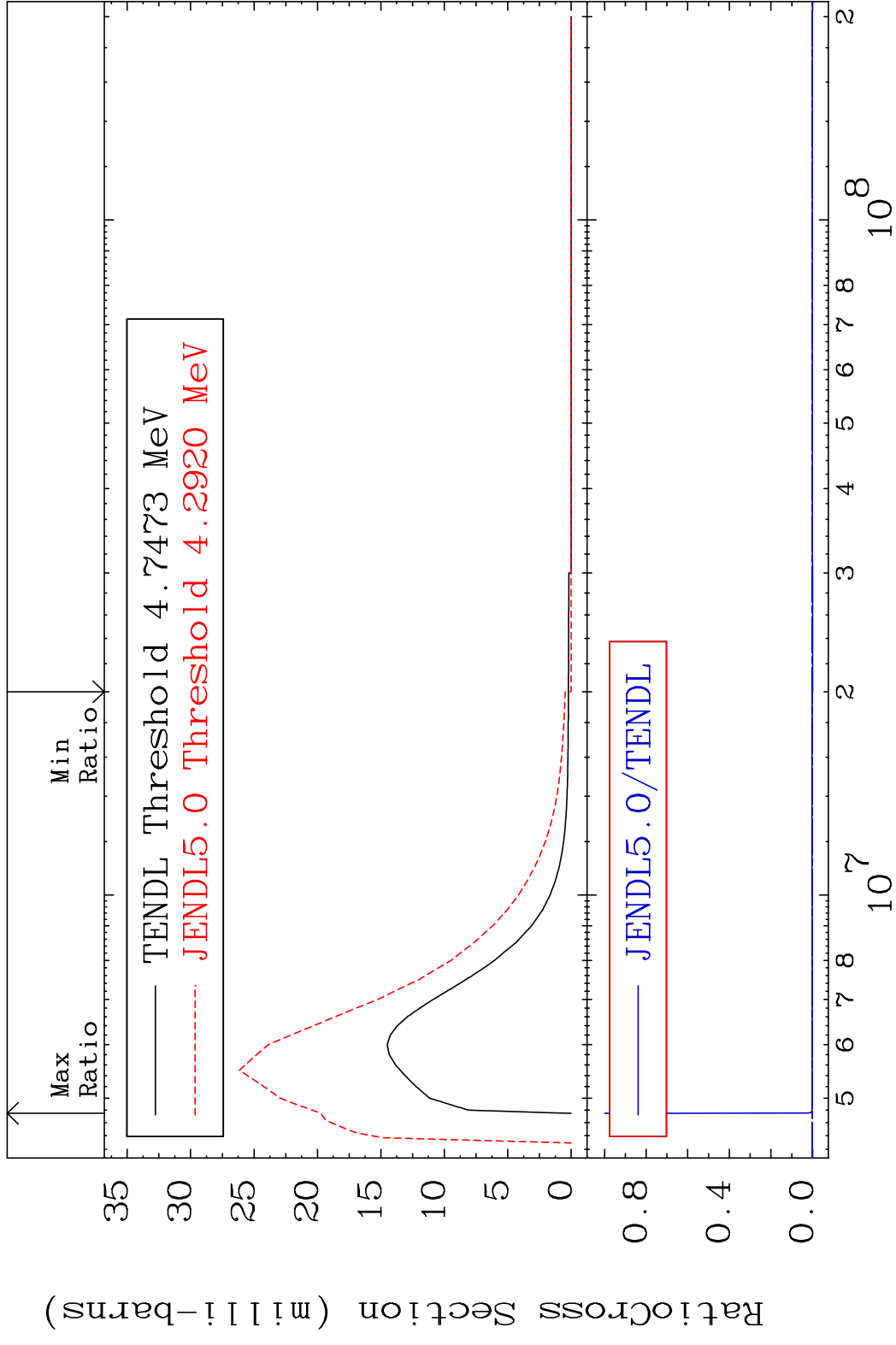
MAT 2425 MT= 76 (n,n') Level 24-Cr-50
 Cross Section -100.0 To 9999. %



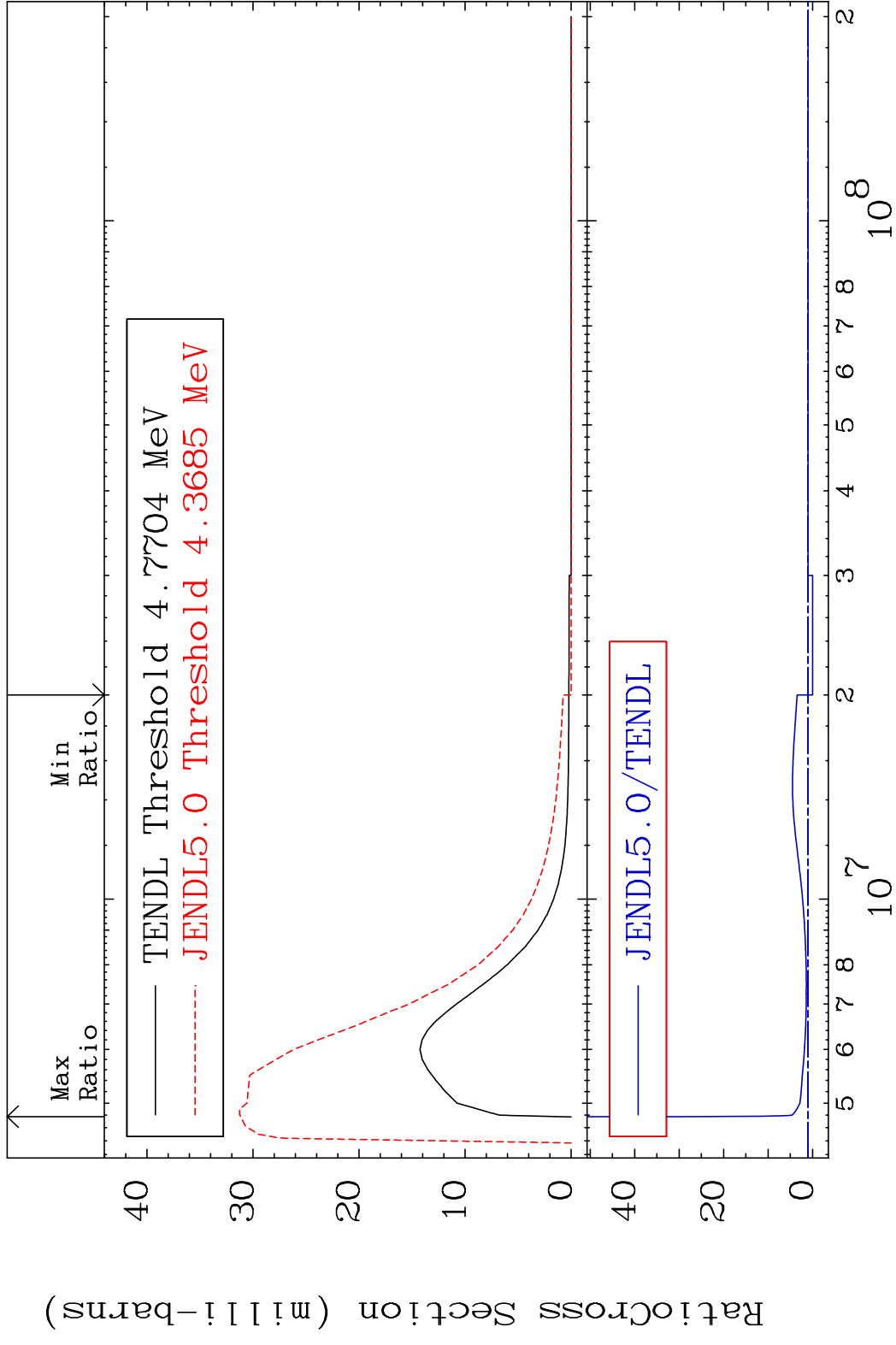
MAT 2425 MT= 77 (n, n') Level 24-Cr-50
 Cross Section -100.0 To 9999. %



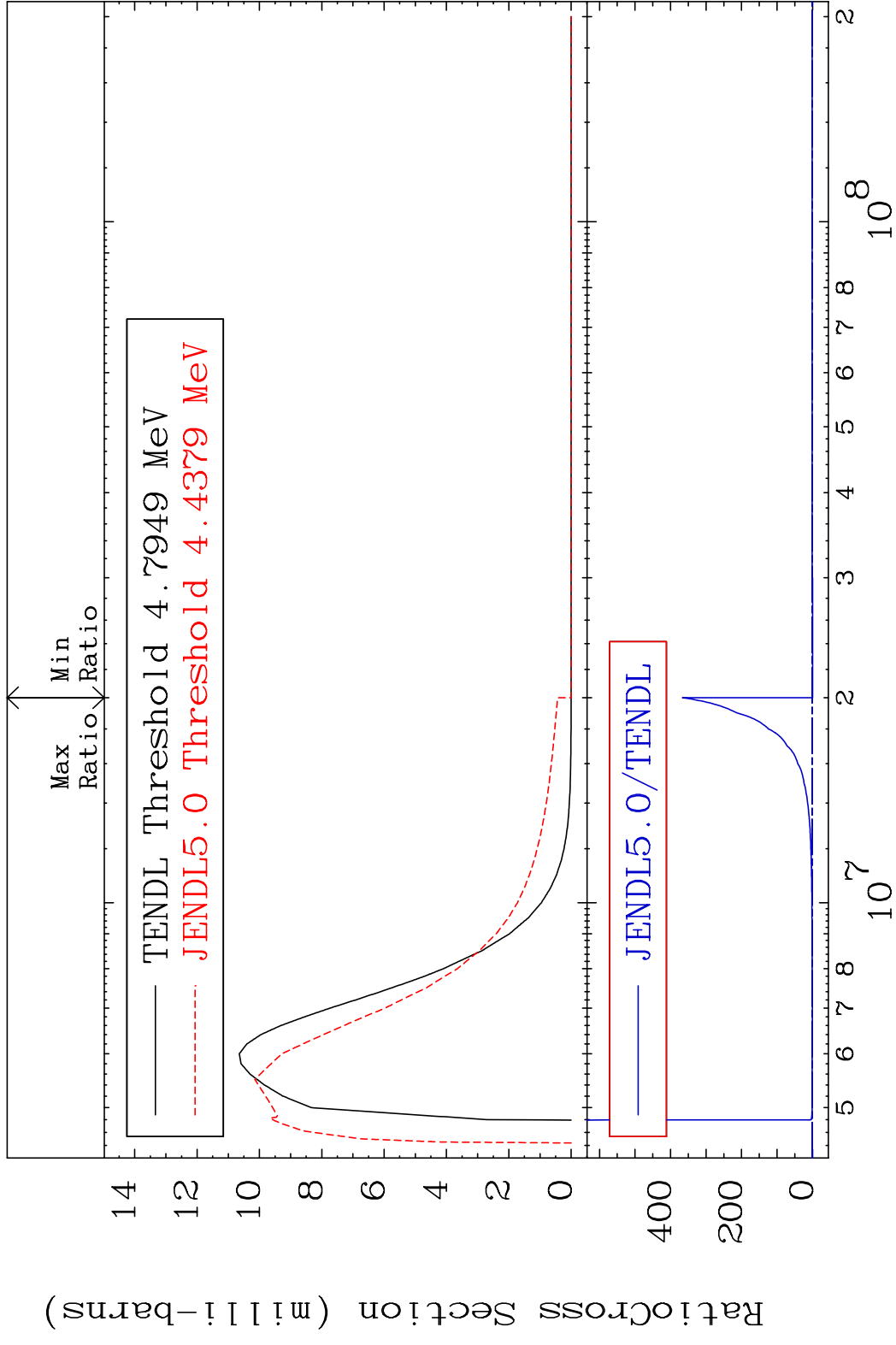
MAT 2425 MT= 78 (n, n') Level 24-Cr-50
 Cross Section -100.0 To 9999. %



MAT 2425 MT= 79 (n, n') Level 24-Cr-50
 Cross Section -100.0 To 2828. %



MAT 2425 MT= 80 (n, n') Level 24-Cr-50
 Cross Section -100.0 To 9999. %

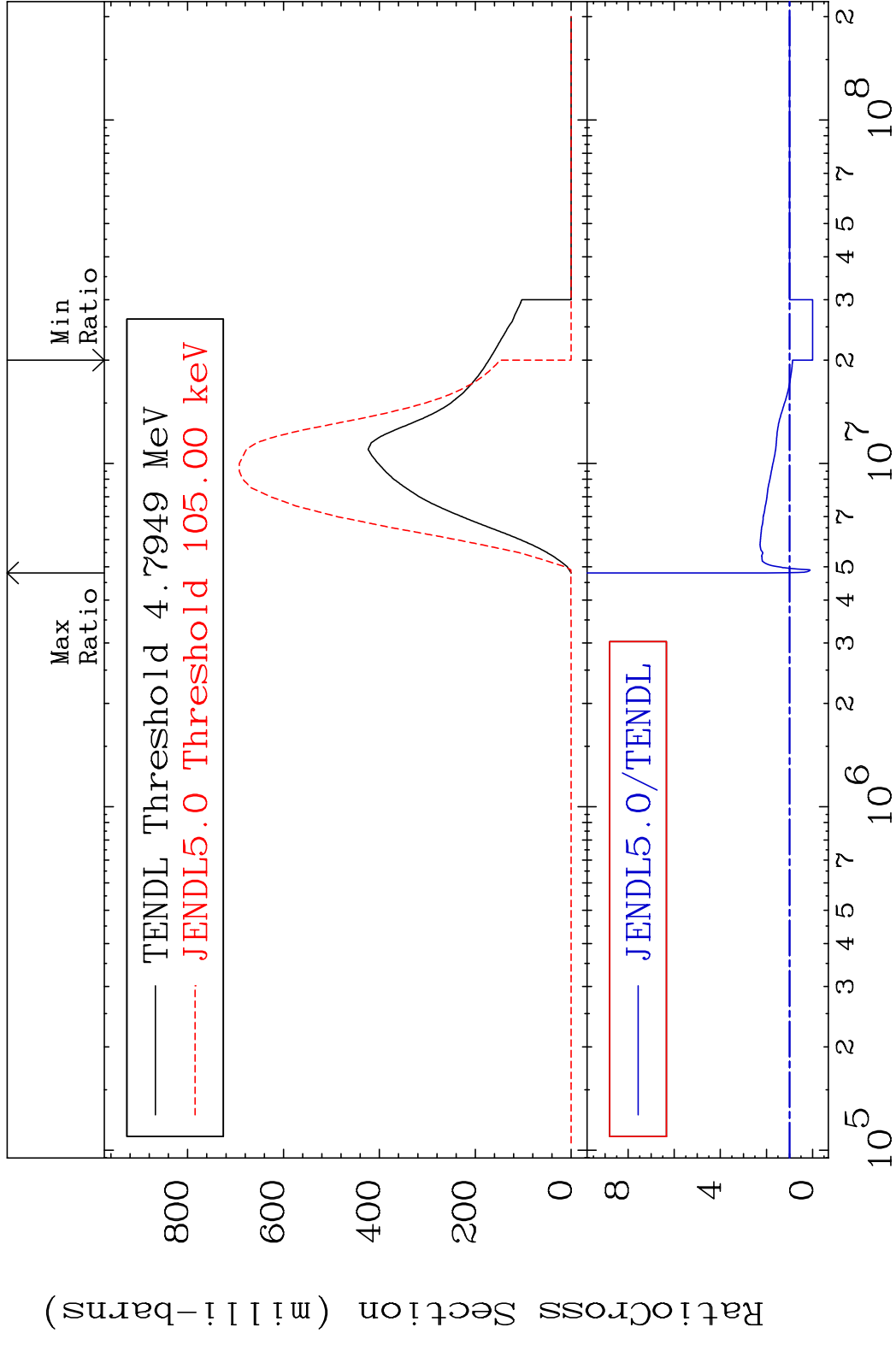


MAT 2425

(n, n') Continuum

²⁴Cr-50

Cross Section -100.0 To 464.8 %



39

Incident Energy (eV)

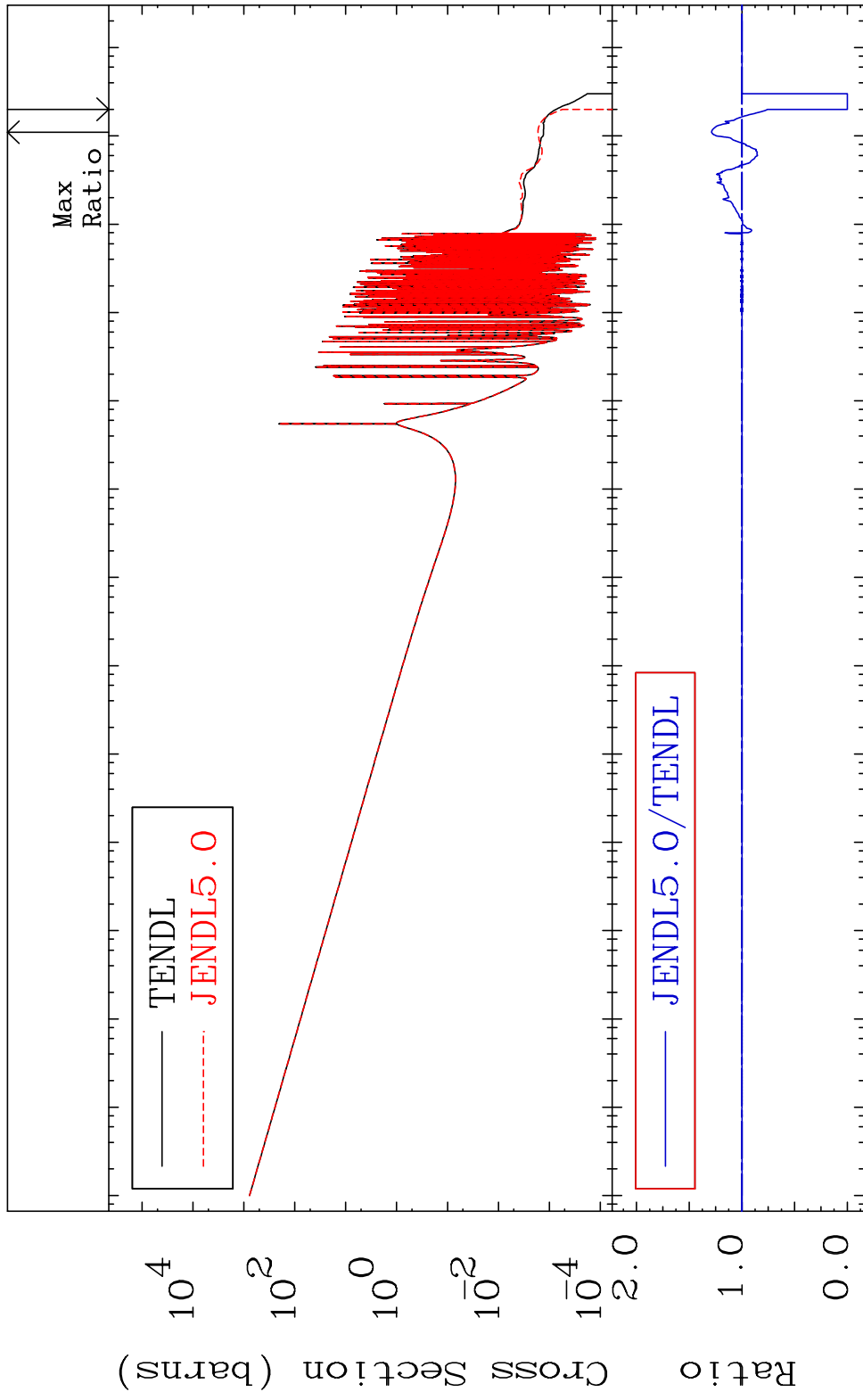
²⁴Cr-50

MAT 2425

(n, γ)

24-Cr-50

Cross Section -100.0 To 28.80 %

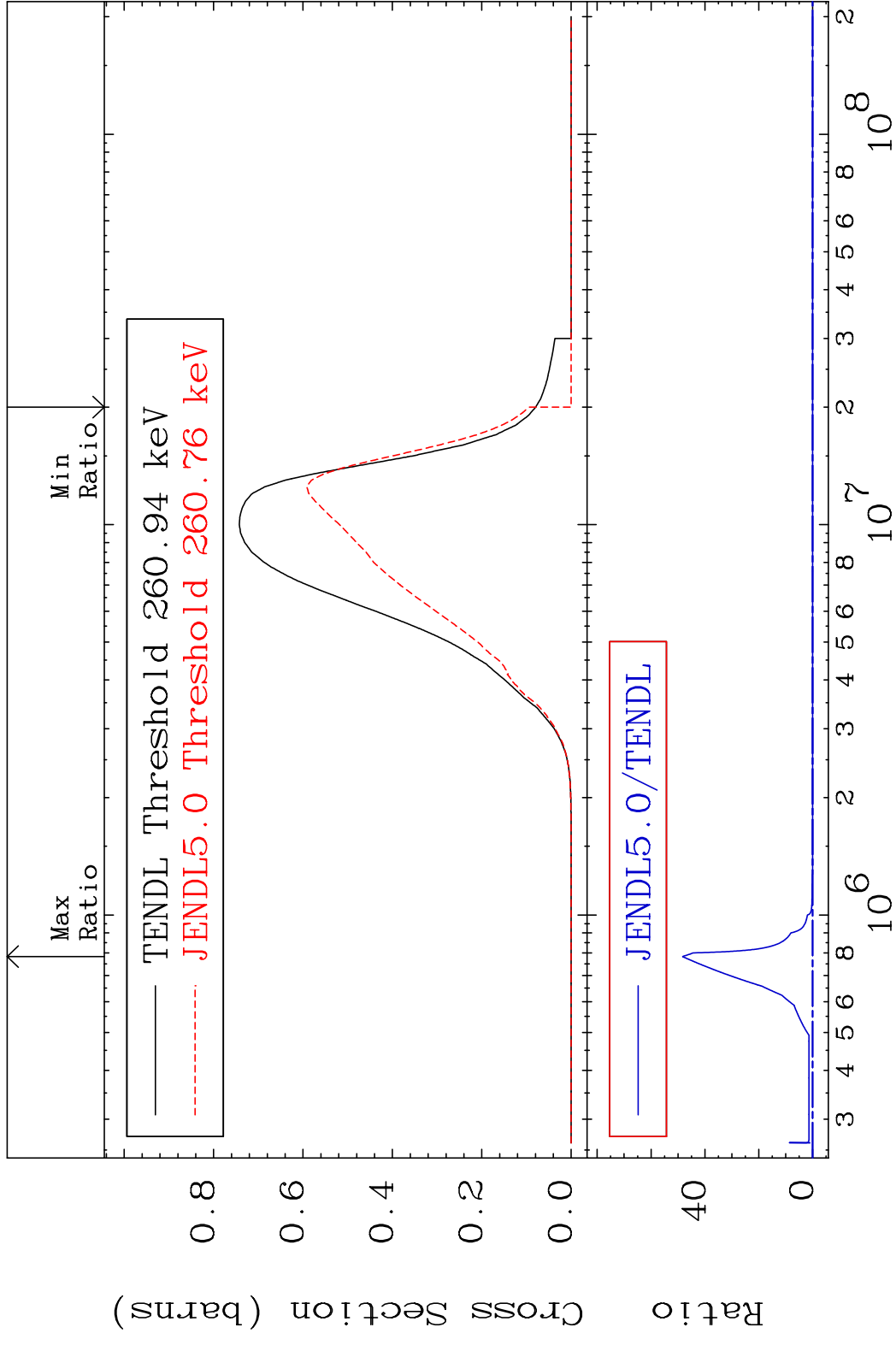


40

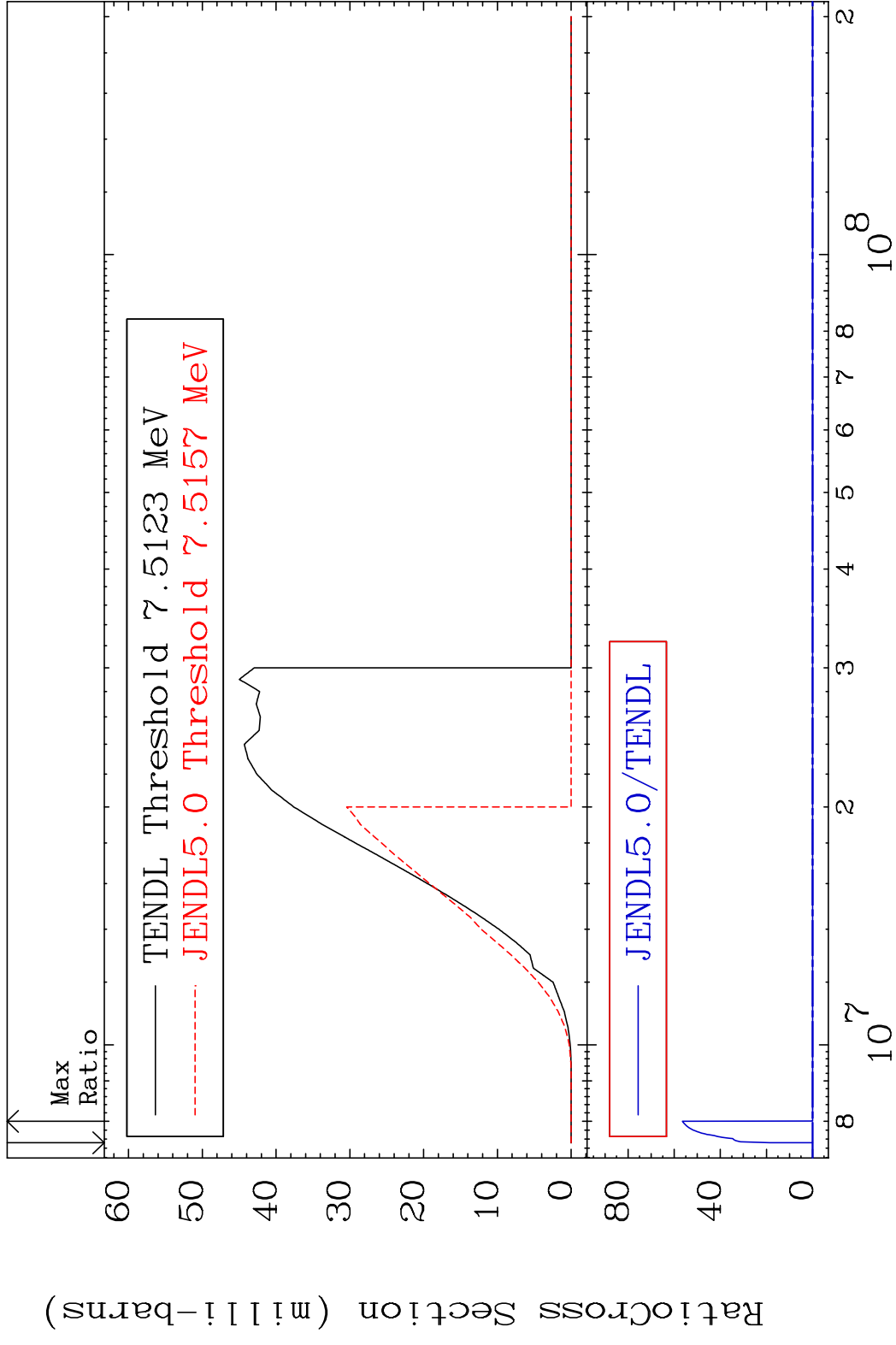
Incident Energy (eV)

24-Cr-50

MAT 2425 (n,p) 24-Cr-50
 Cross Section -100.0 To 9999. %

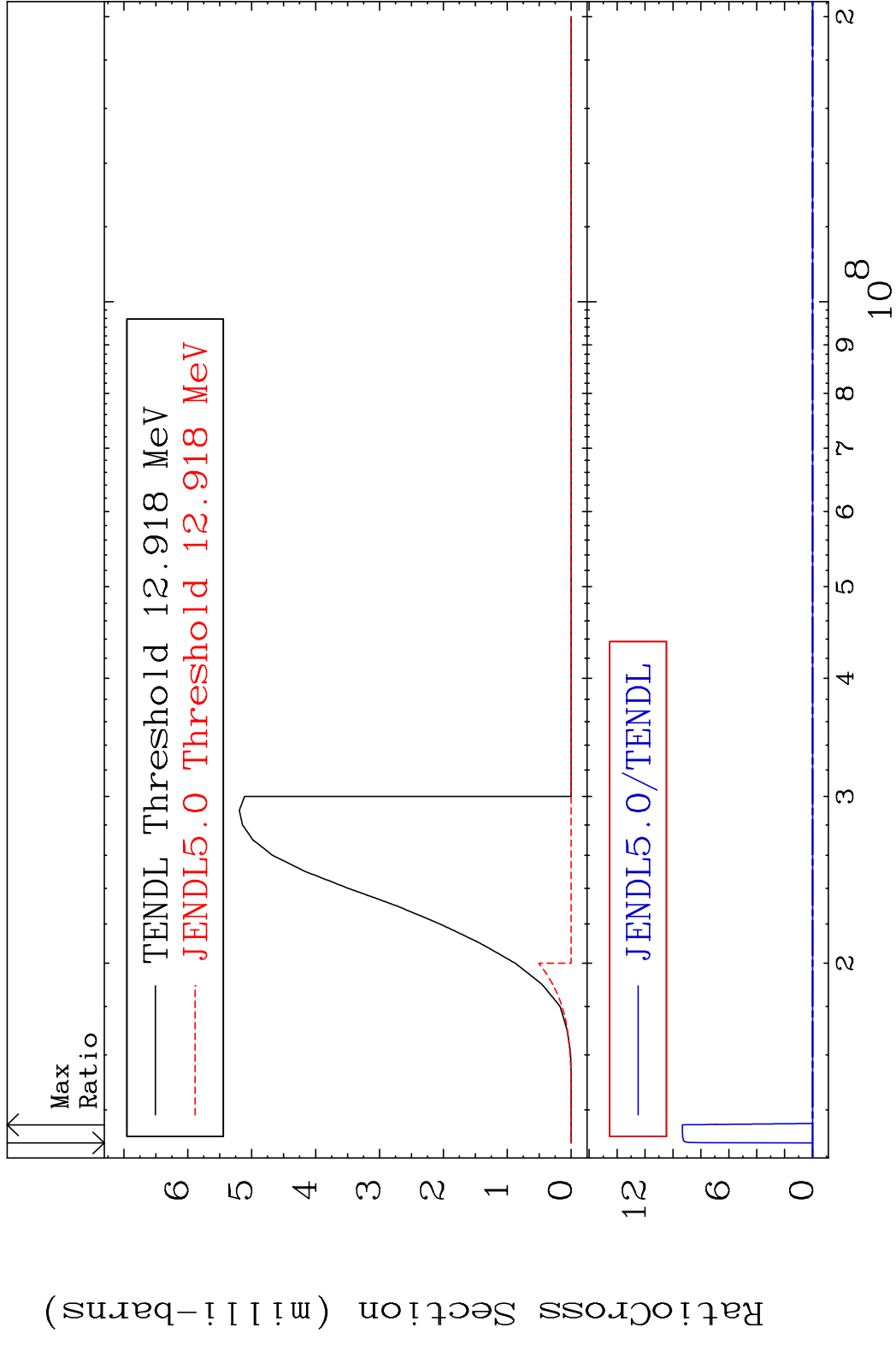


MAT 2425 (n,d) 24-Cr-50
 Cross Section -100.0 To 9999. %



42 24-Cr-50

MAT 2425 (n, t) 24-Cr-50
 Cross Section -100.0 To 9999. %

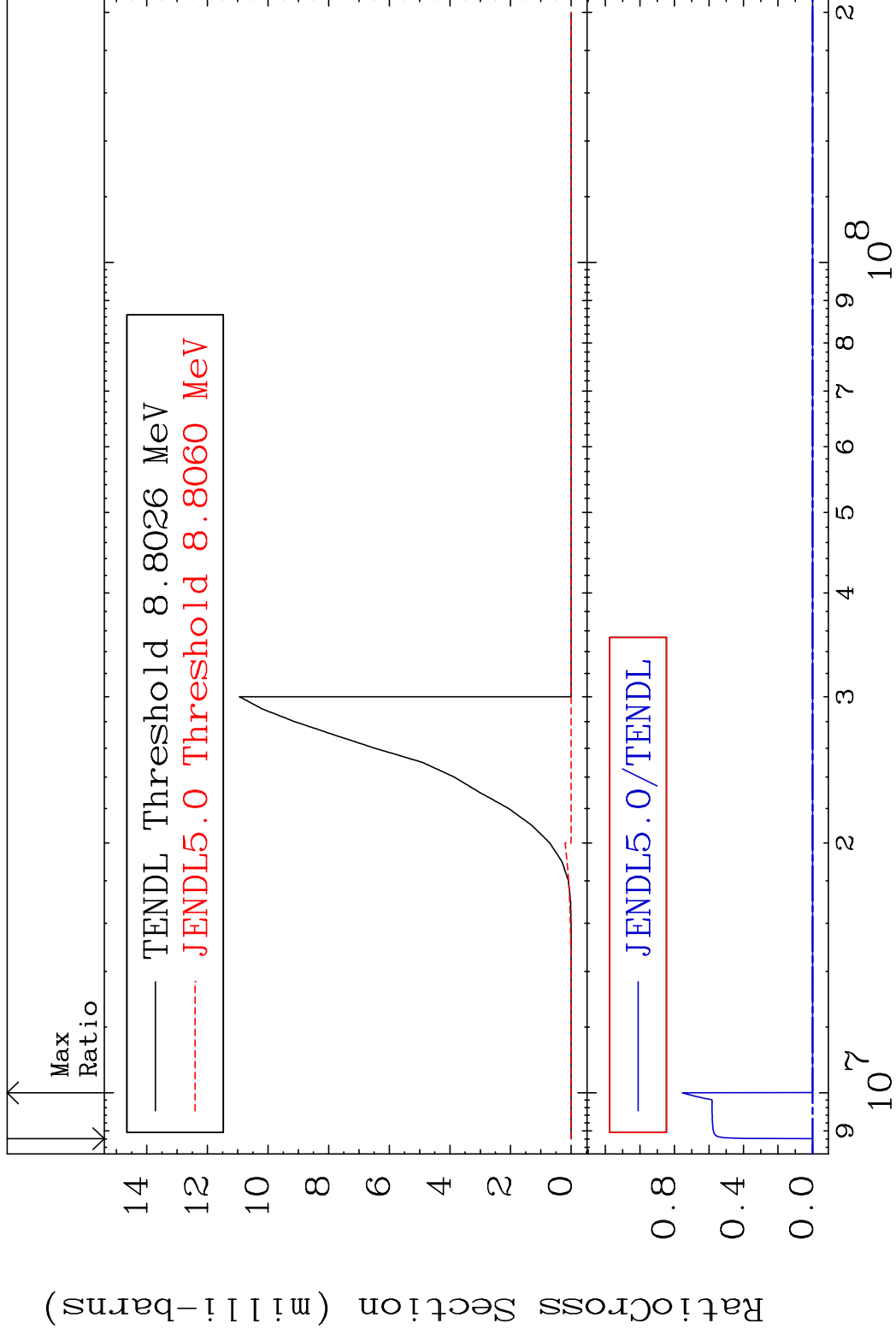


MAT 2425

(n, He-3)

24-Cr-50

Cross Section -100.0 To 9999. %



44

Incident Energy (eV)

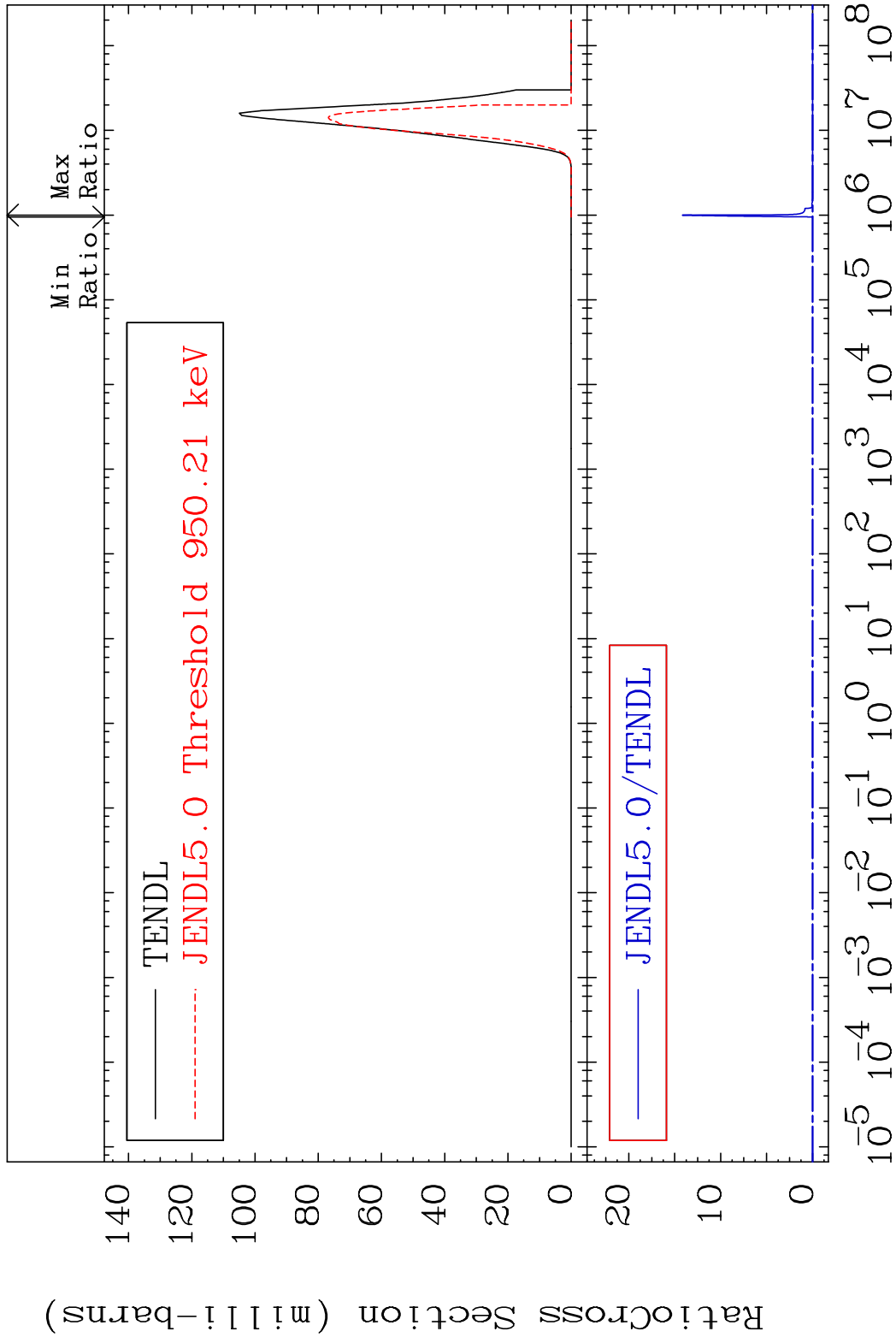
24-Cr-50

MAT 2425

(n, α)

24-Cr-50

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

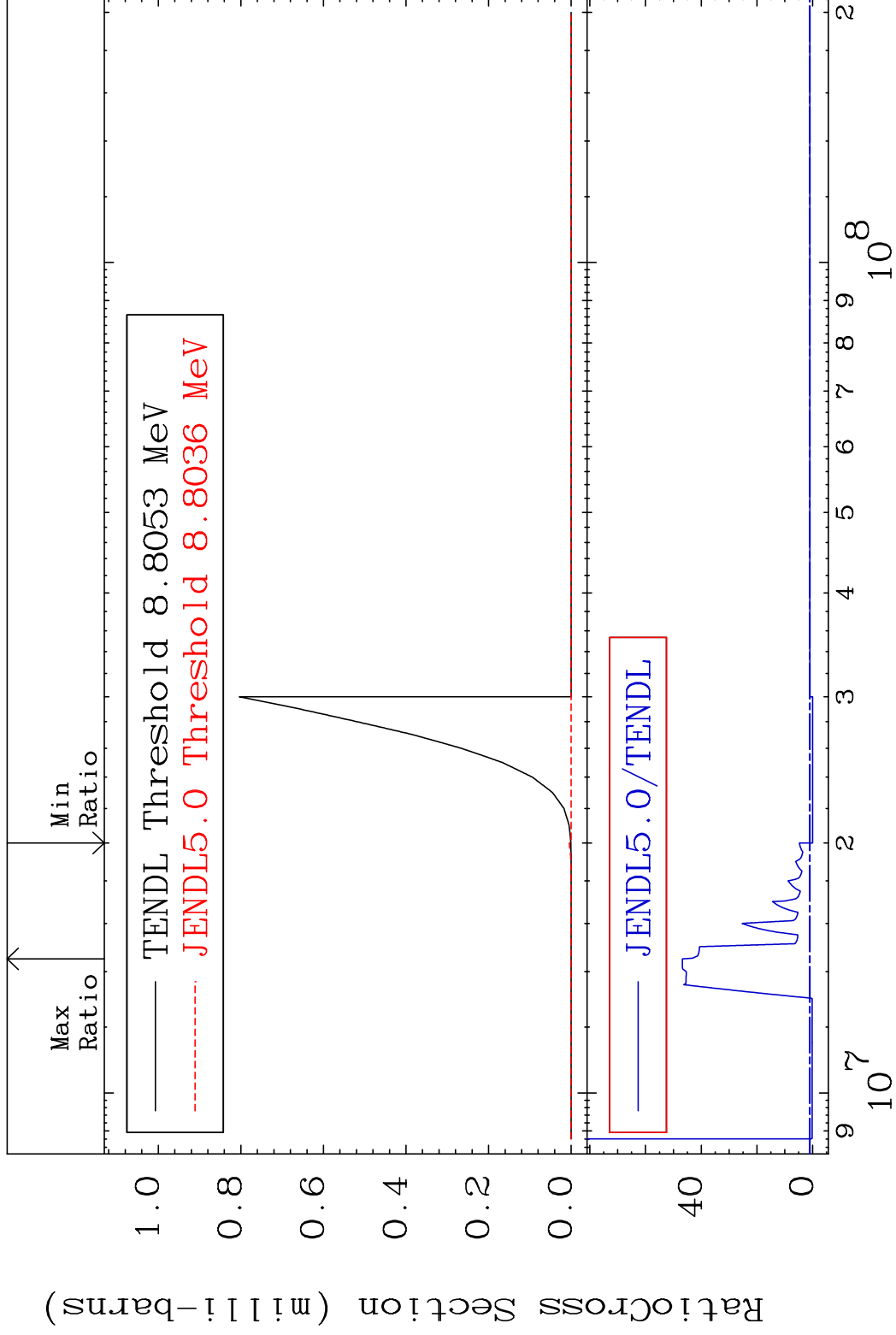
24-Cr-50

MAT 2425

(n,2α)

²⁴Cr-50

Cross Section -100.0 To 4578. %

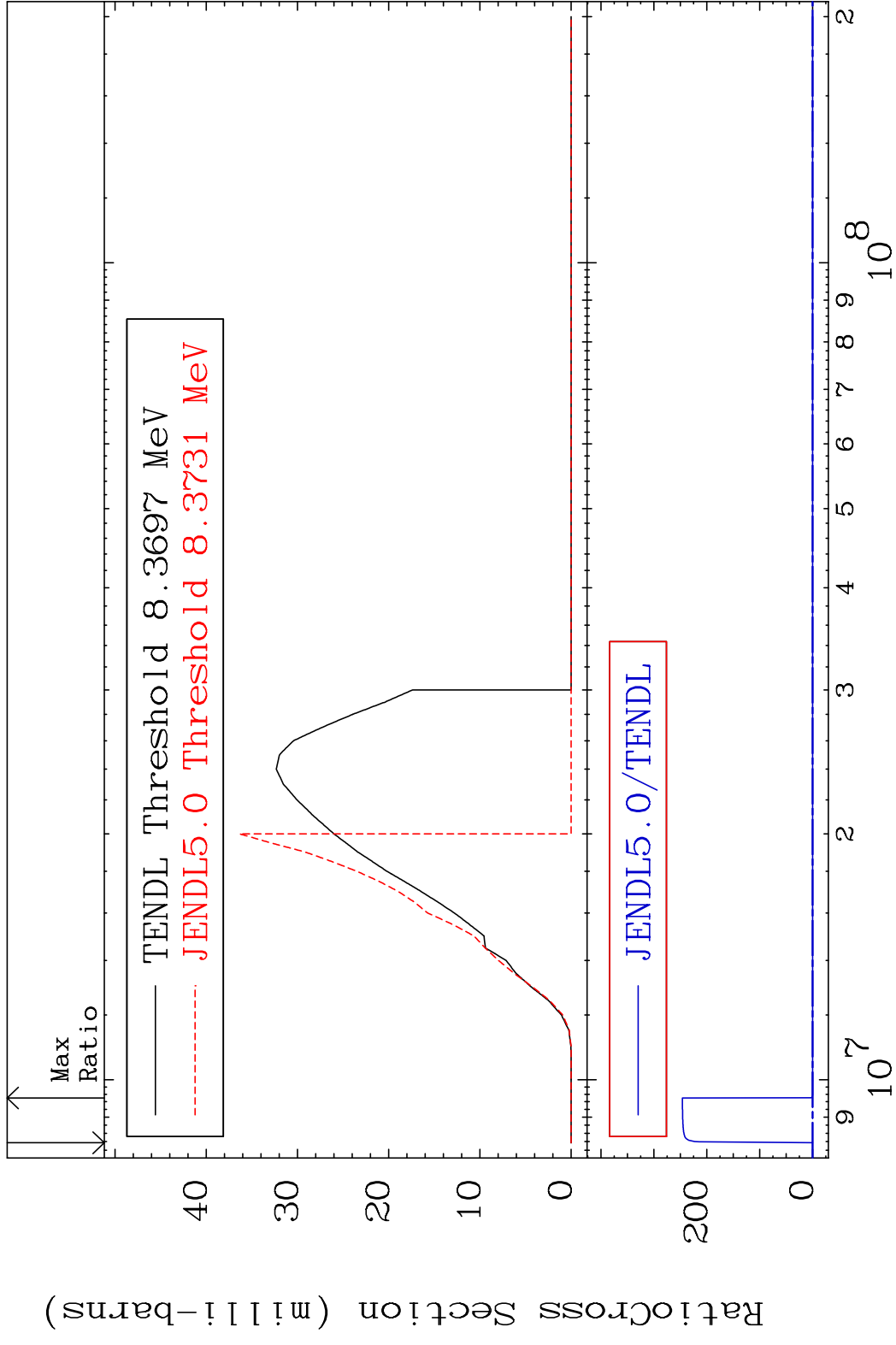


46

Incident Energy (eV)

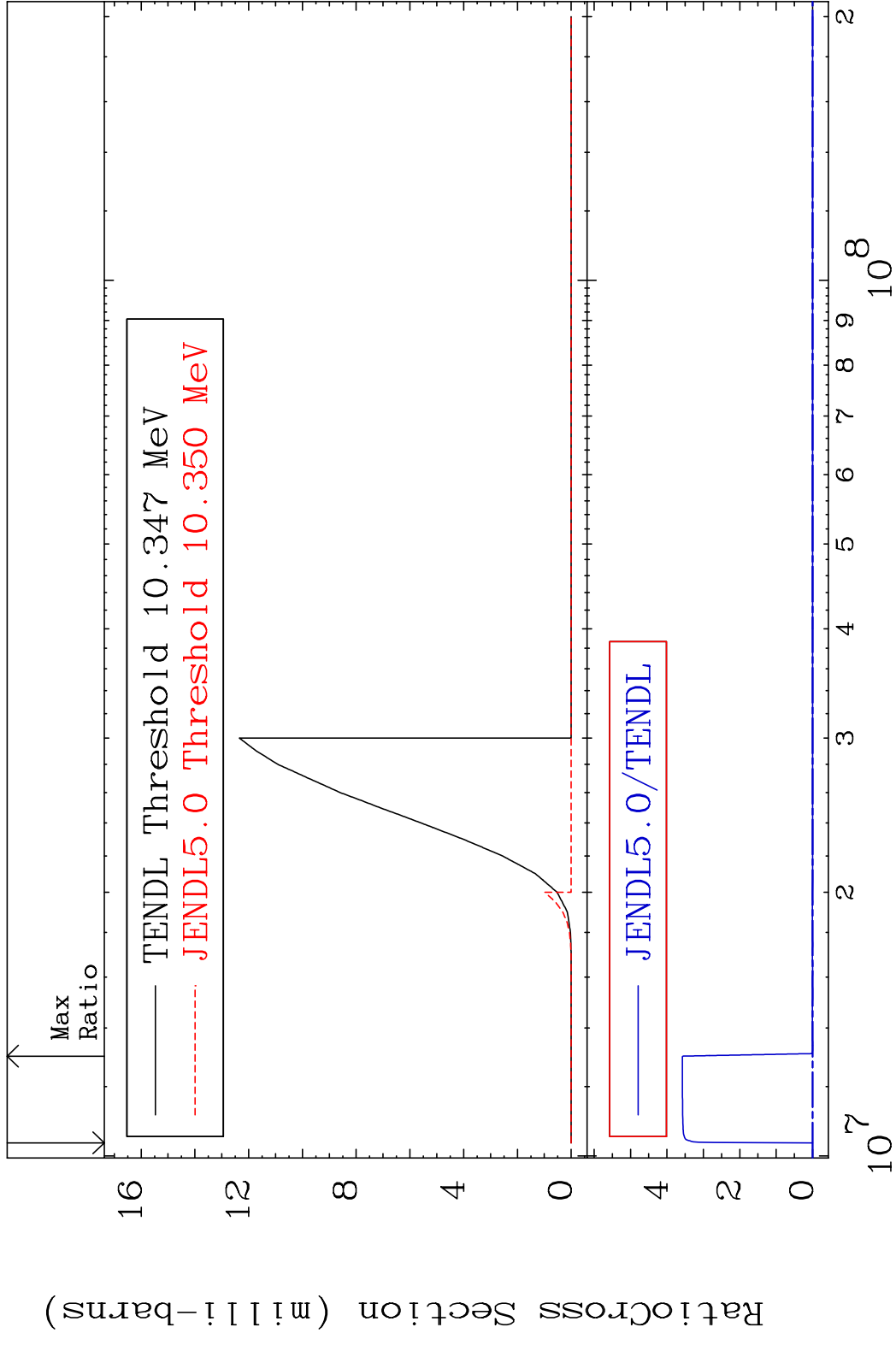
²⁴Cr-50

MAT 2425 (n,2p) 24-Cr-50
 Cross Section -100.0 To 9999. %



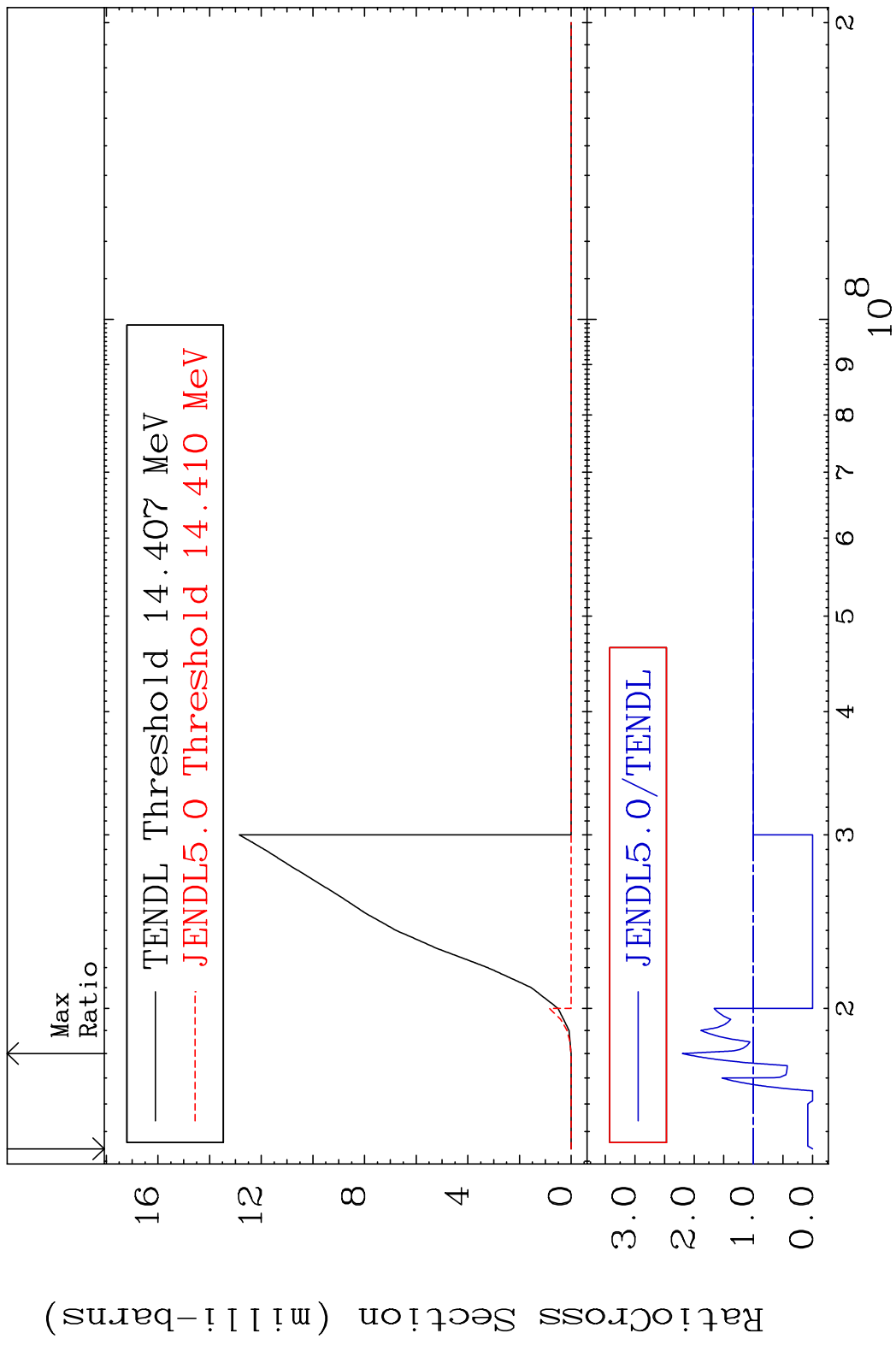
47 Incident Energy (eV) 24-Cr-50

MAT 2425 (n,p) α ²⁴Cr-50
 Cross Section -100.0 To 9999. %



48 Incident Energy (eV) ²⁴Cr-50

MAT 2425 (n,p) d 24-Cr-50
 Cross Section -100.0 To 119.9 %

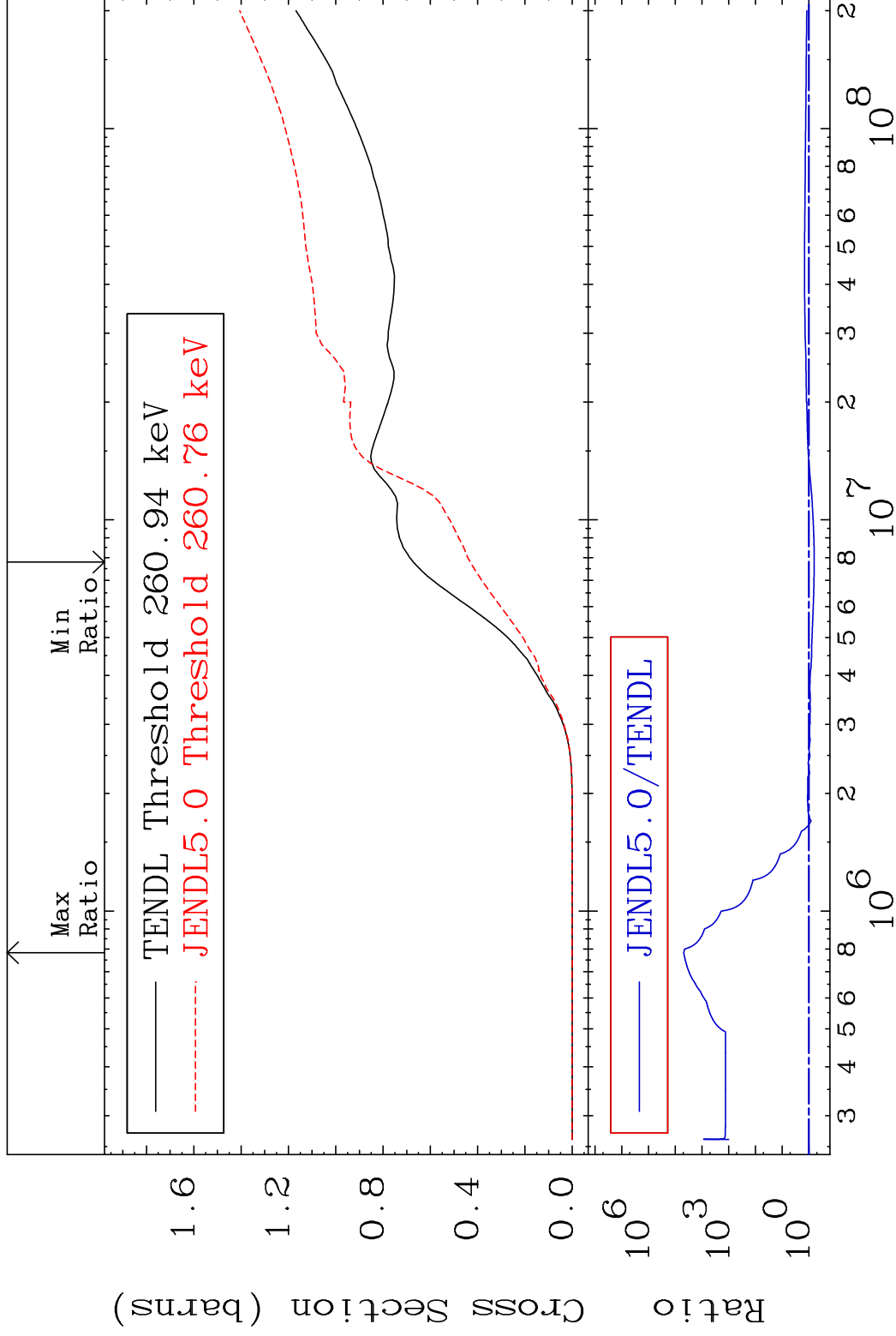


MAT 2425

Hydrogen Production

²⁴Cr-50

Cross Section -35.89 To 9999. %

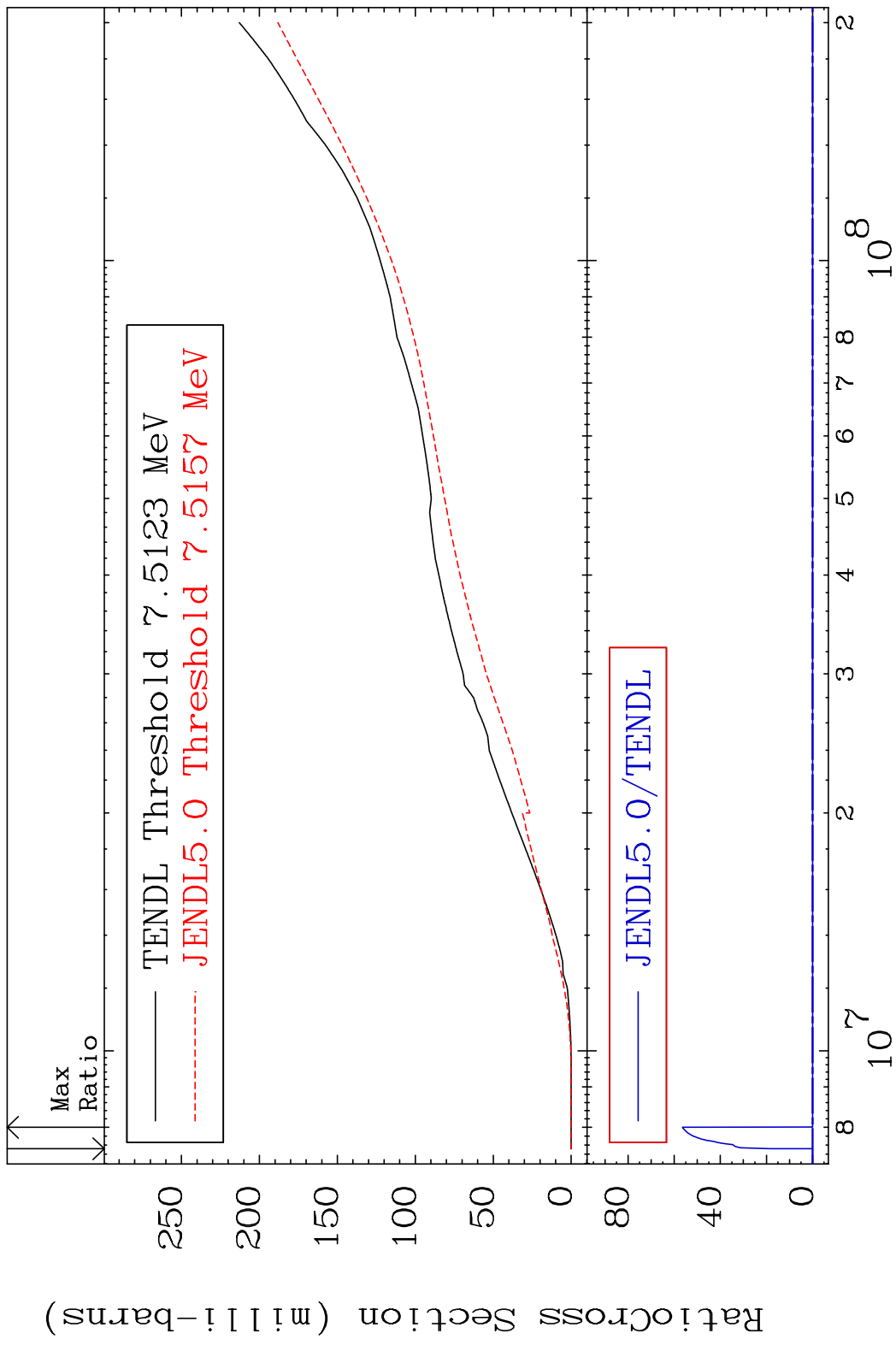


50

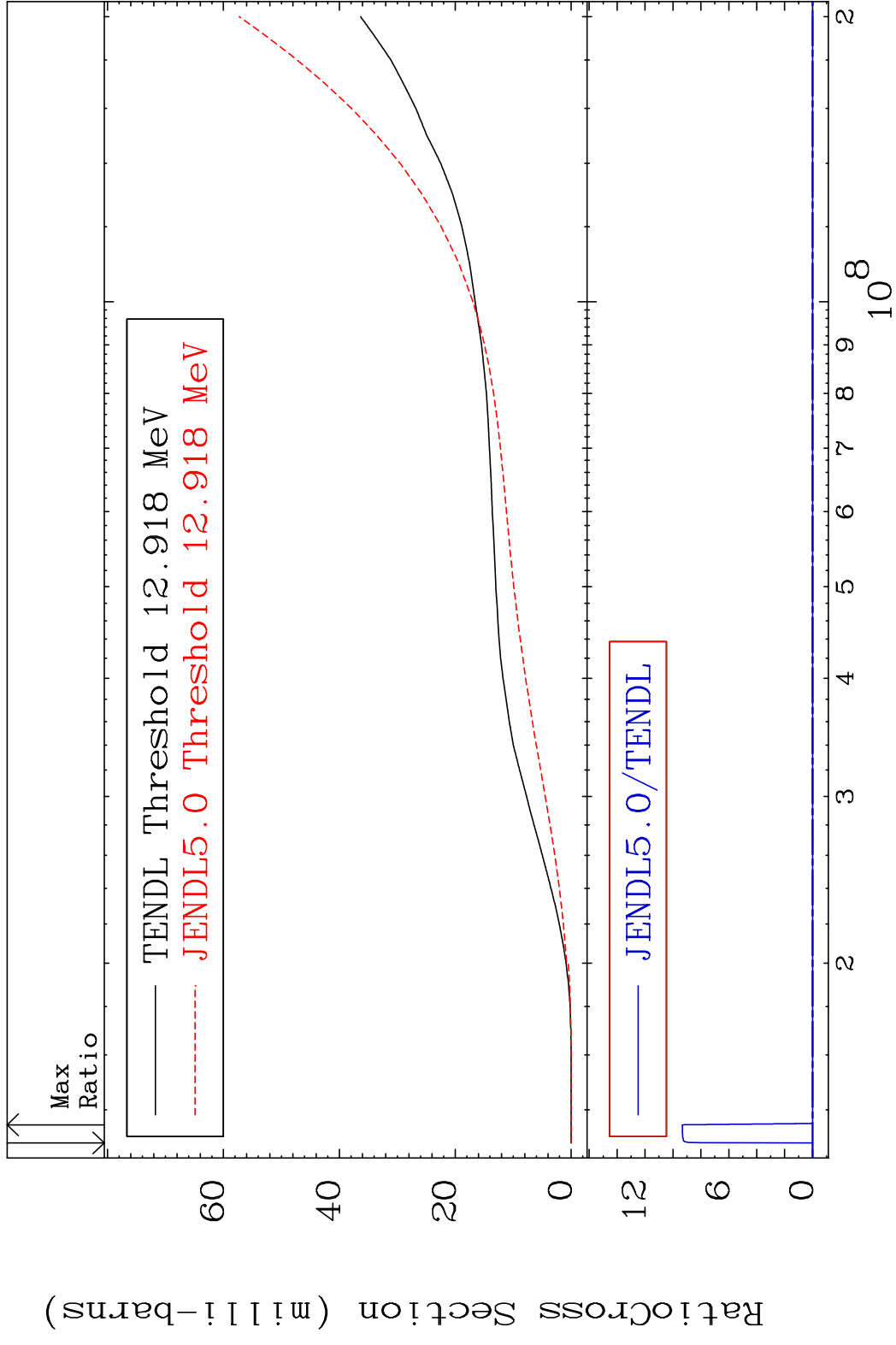
Incident Energy (eV)

²⁴Cr-50

MAT 2425 Deuterium Production ²⁴Cr-50
 Cross Section -100.0 To 9999. %



MAT 2425 Tritium Production 24-Cr-50
 Cross Section -100.0 To 9999. %

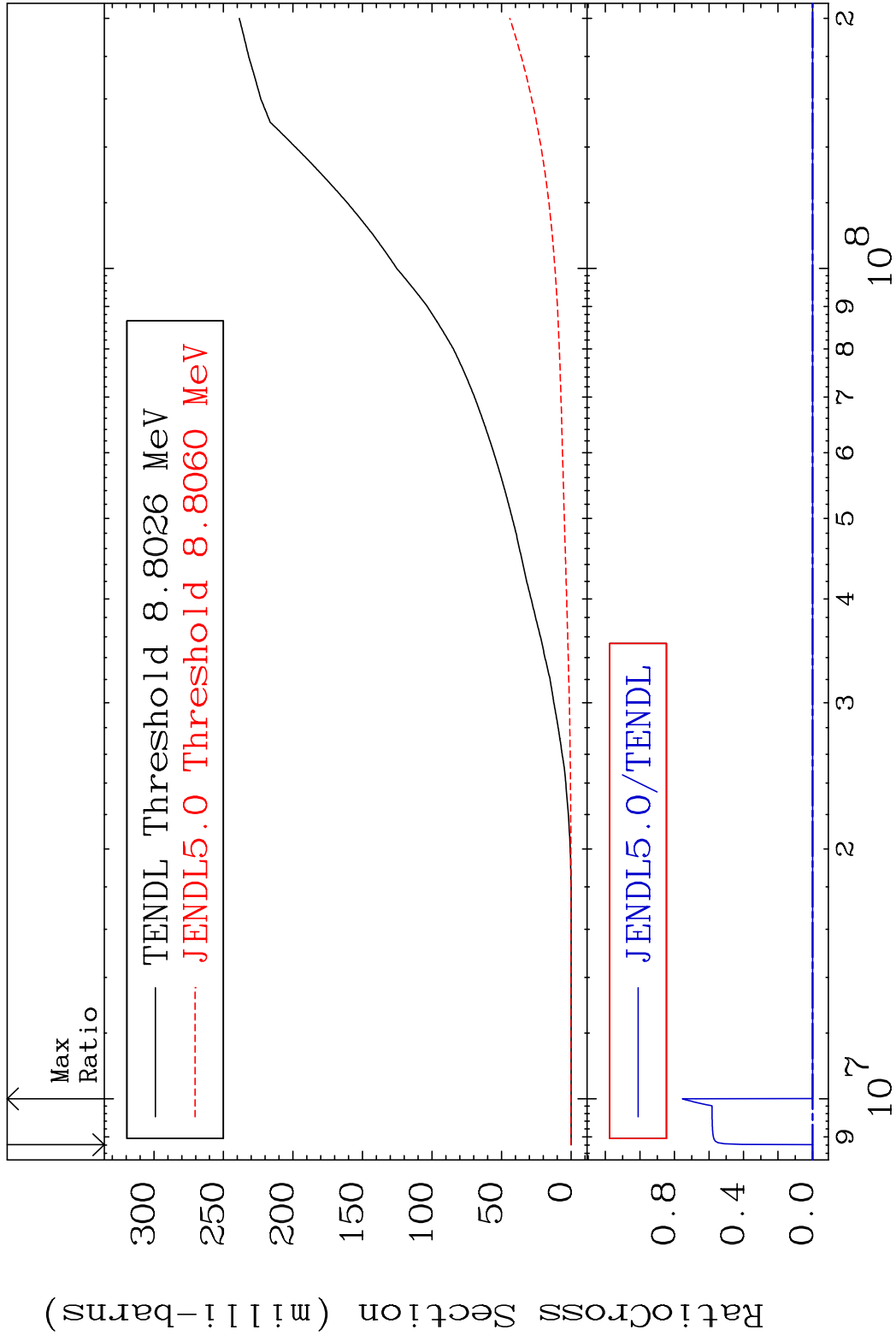


MAT 2425

He-3 Production

²⁴Cr-50

Cross Section -100.0 To 9999. %



53

Incident Energy (eV)

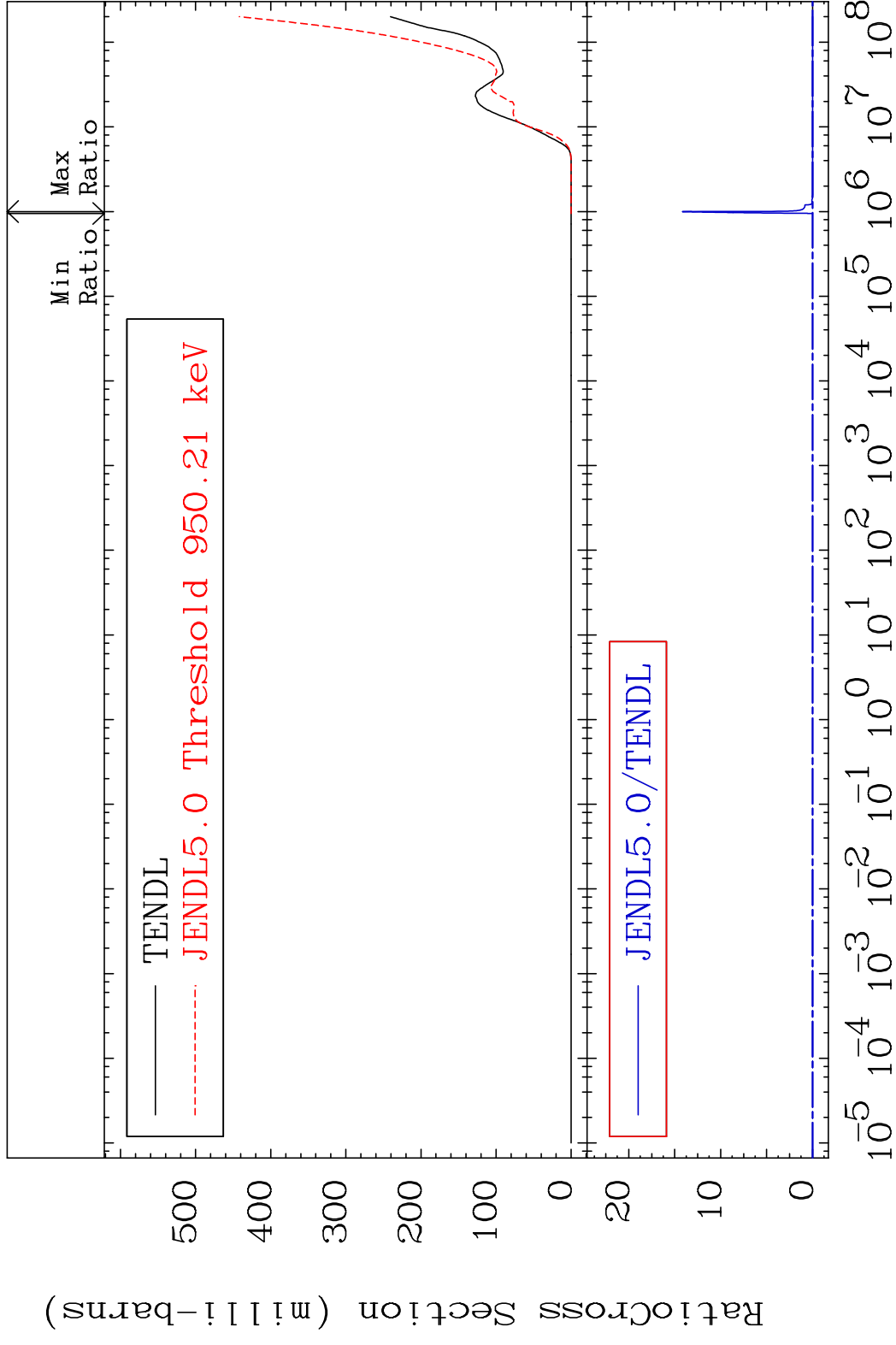
²⁴Cr-50

MAT 2425

He-4 Production

24-Cr-50

Cross Section -100.0 To 9999. %

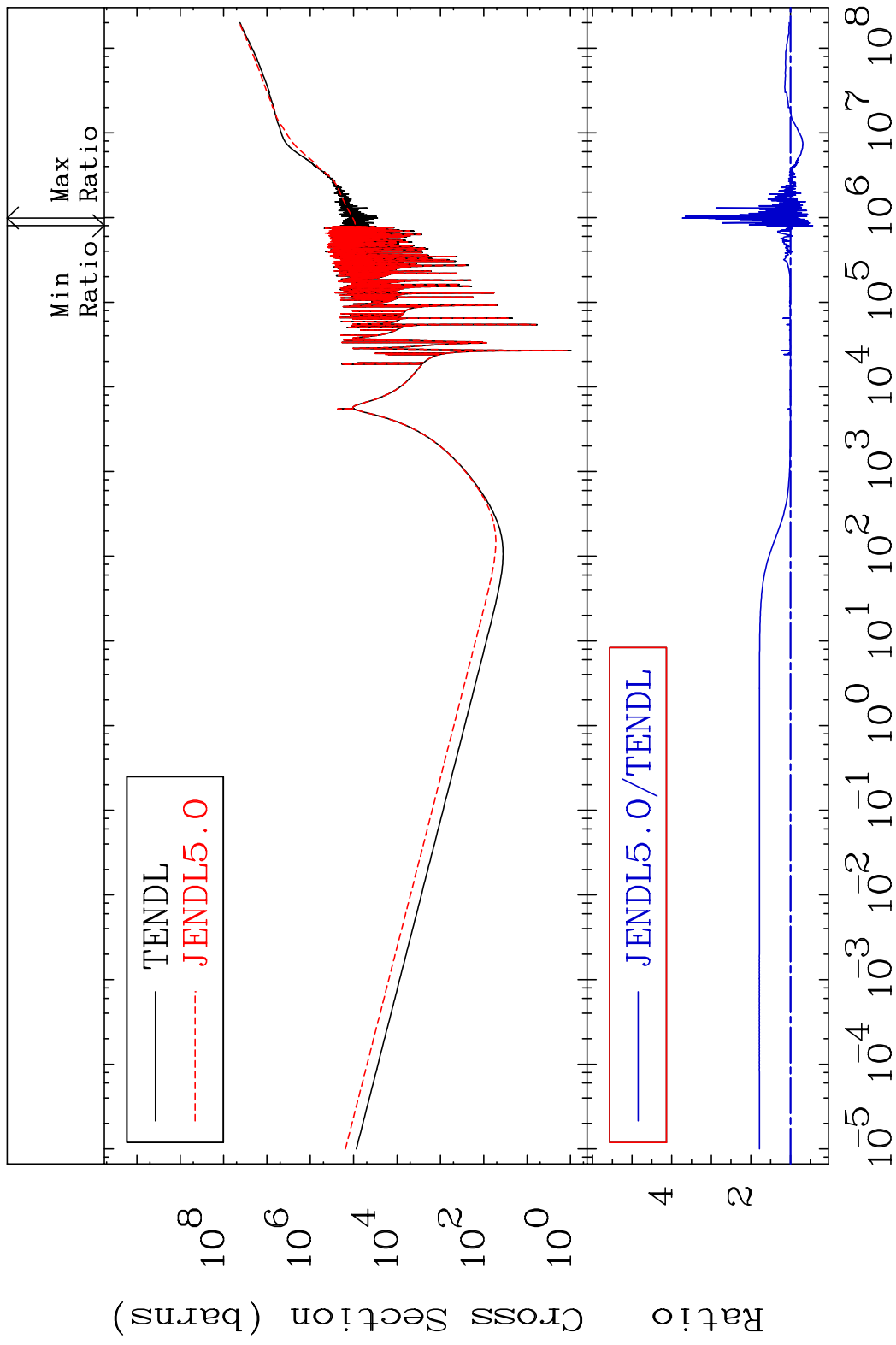


54

Incident Energy (eV)

24-Cr-50

MAT 2425 Kerma total (eV-barns) 24-Cr-50
Cross Section -55.87 To 273.0 %

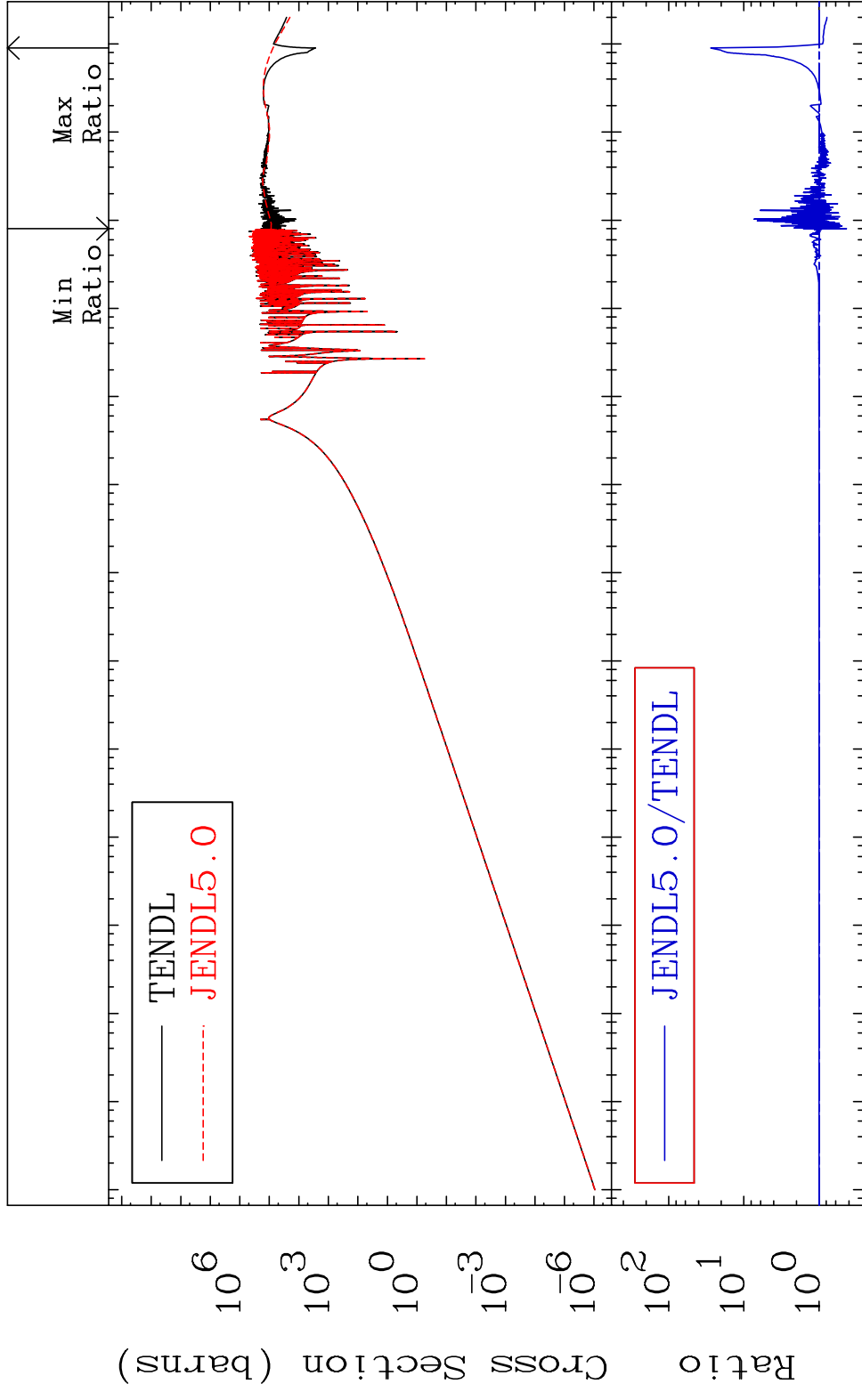


55 Incident Energy (eV) 24-Cr-50

MAT 2425

Kerma elastic
Cross Section

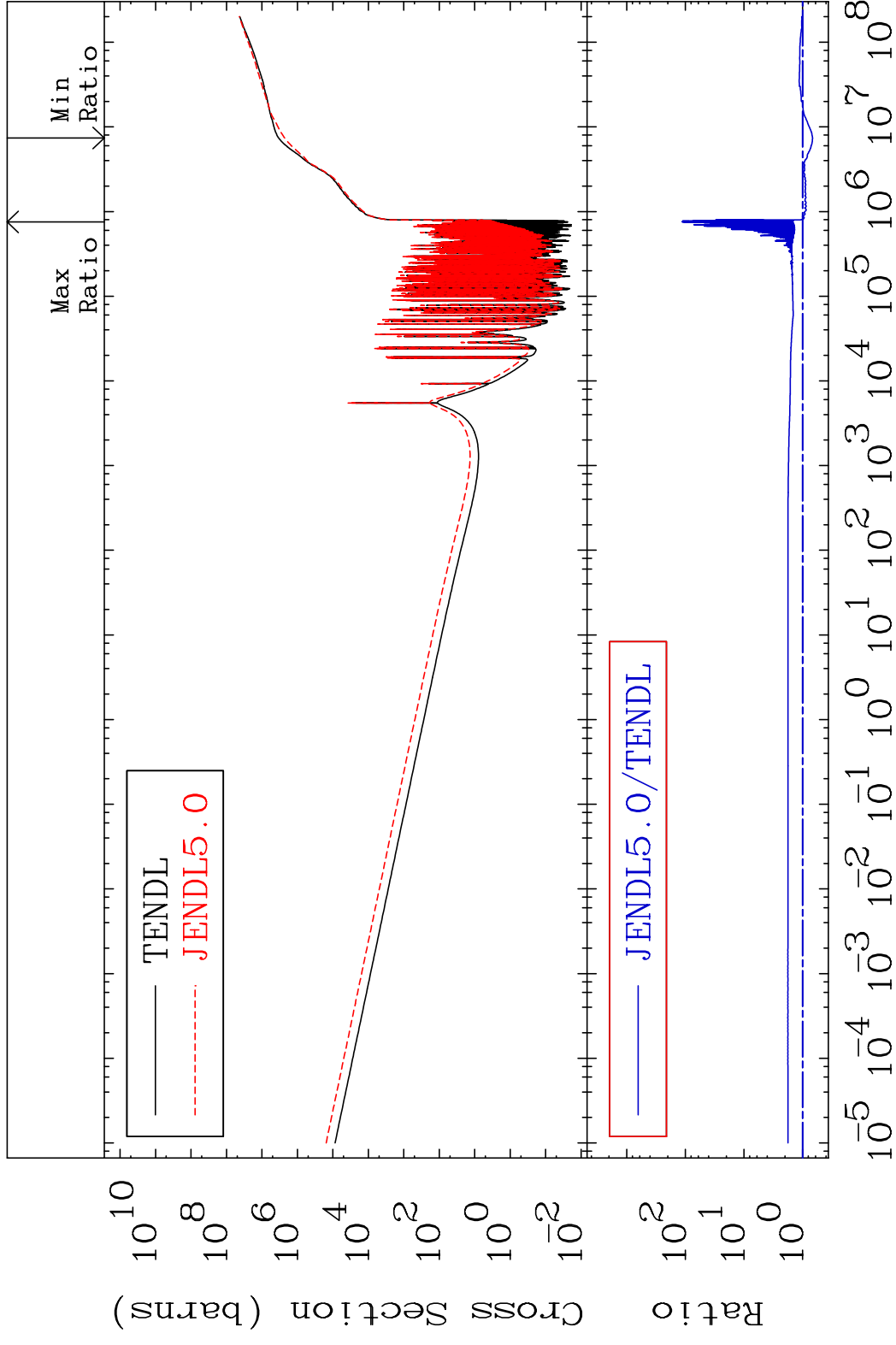
24-Cr-50
-56.70 To 2660. %



Cross Section (barns)
Ratio

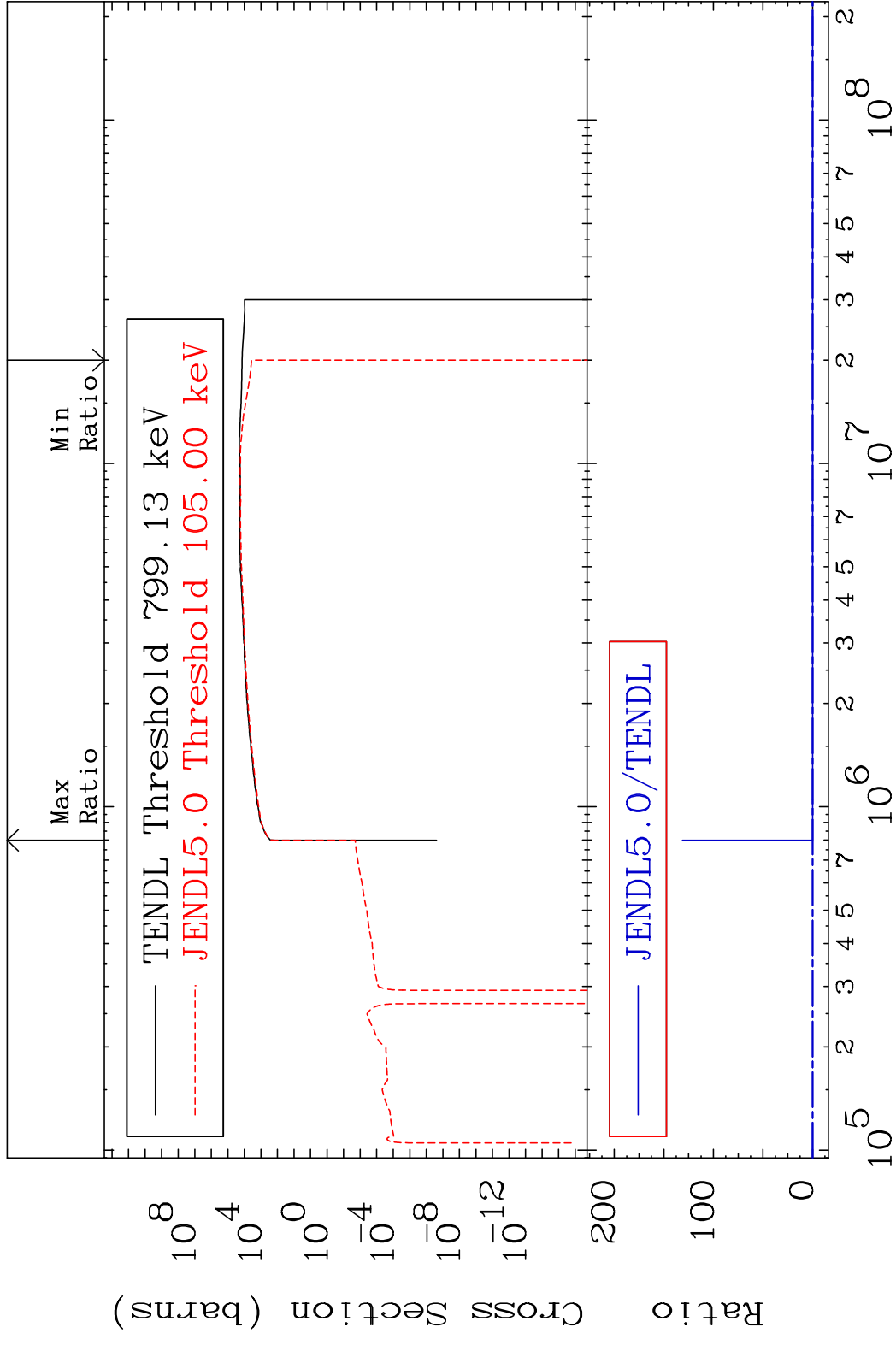
Incident Energy (eV)

MAT 2425 Kerma non-elastic (all but mt2) 24-Cr-50
 Cross Section -32.27 To 9999. %



MAT 2425

Kerma inelastic (mt51-91) 24-Cr-50
Cross Section -100.0 To 9999. %

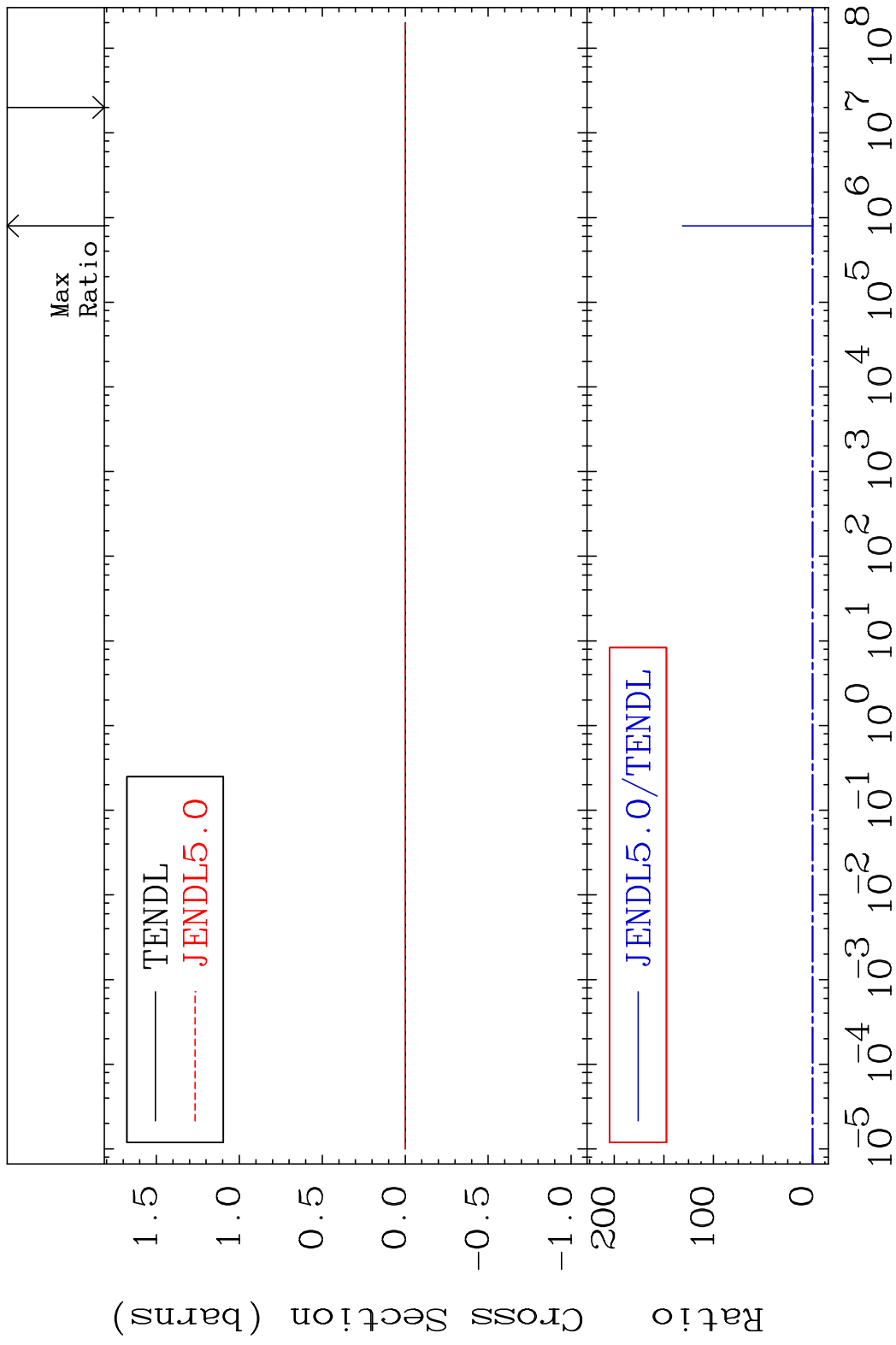


58

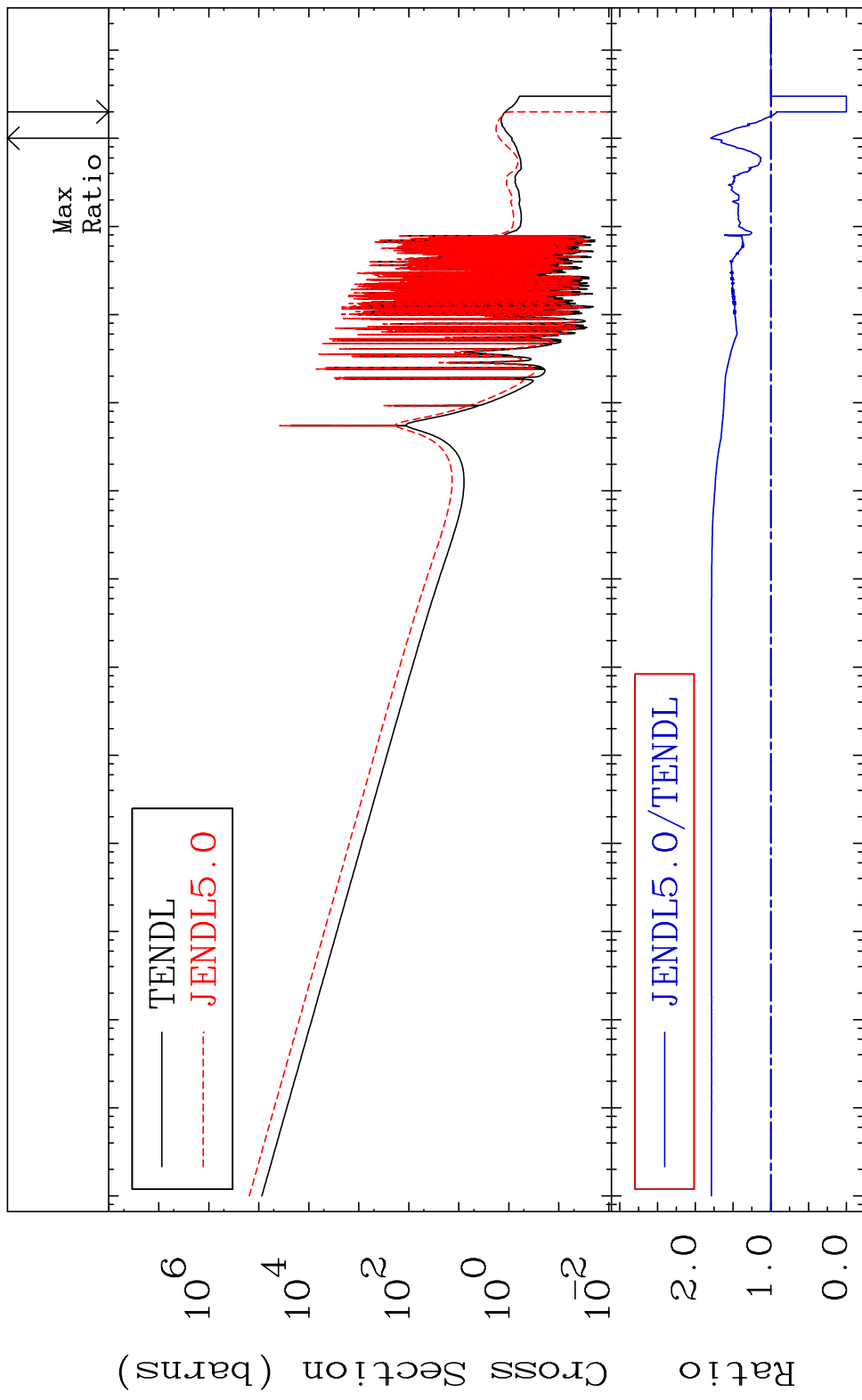
Incident Energy (eV)

24-Cr-50

MAT 2425 Kerma fission (mt18 or mt19-20-21-38) 24-Cr-50
 Cross Section -100.0 To 9999. %

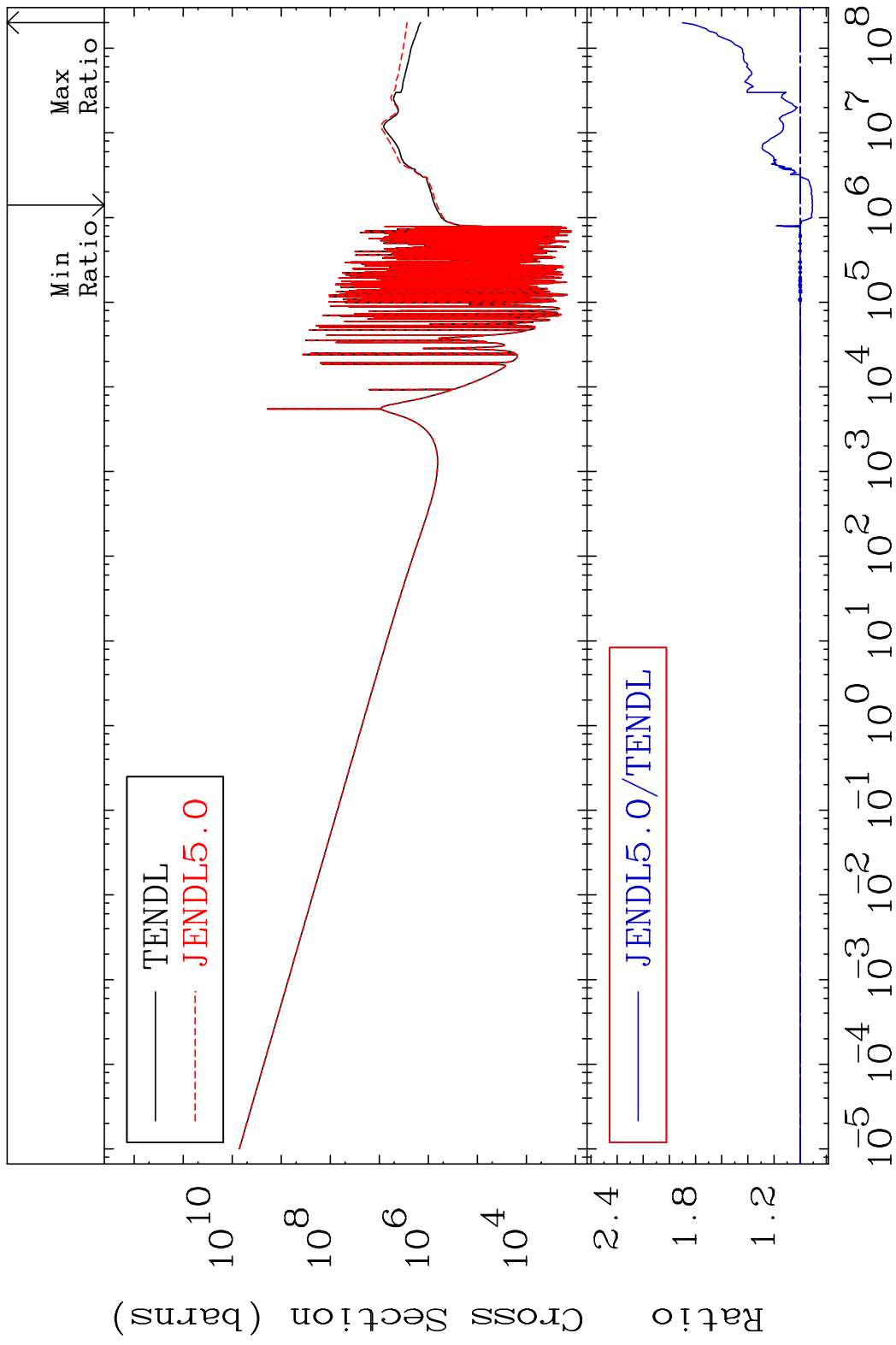


MAT 2425 Kerma capture (mt102) 24-Cr-50
 Cross Section -100.0 To 79.56 %



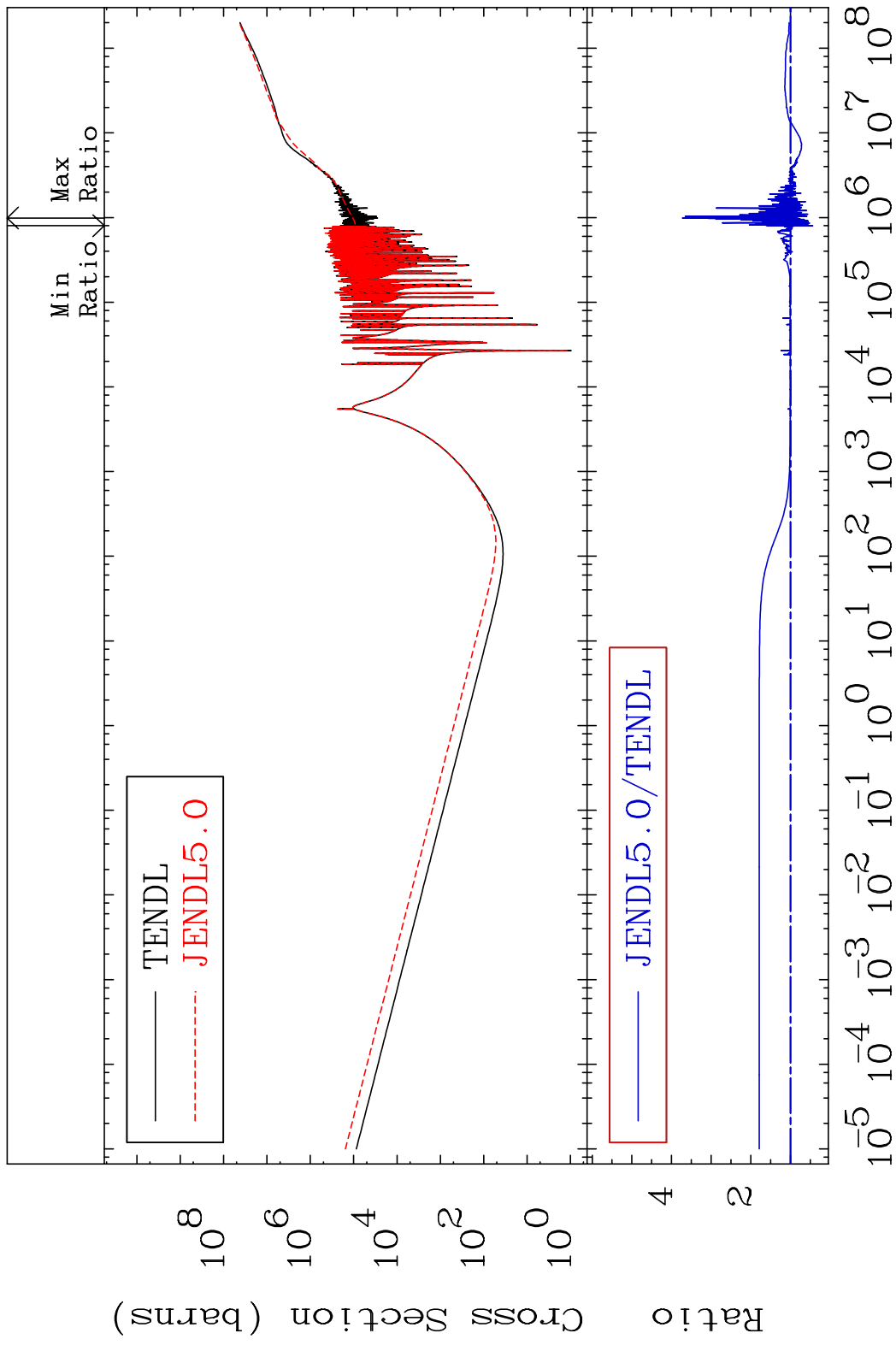
60 Incident Energy (eV) 24-Cr-50

MAT 2425 Total photon (eV-barns) 24-Cr-50
 Cross Section -9.428 To 90.09 %



61 Incident Energy (eV) 24-Cr-50

MAT 2425 Total kinematic kerma (high limit) 24-Cr-50
Cross Section -55.89 To 272.6 %

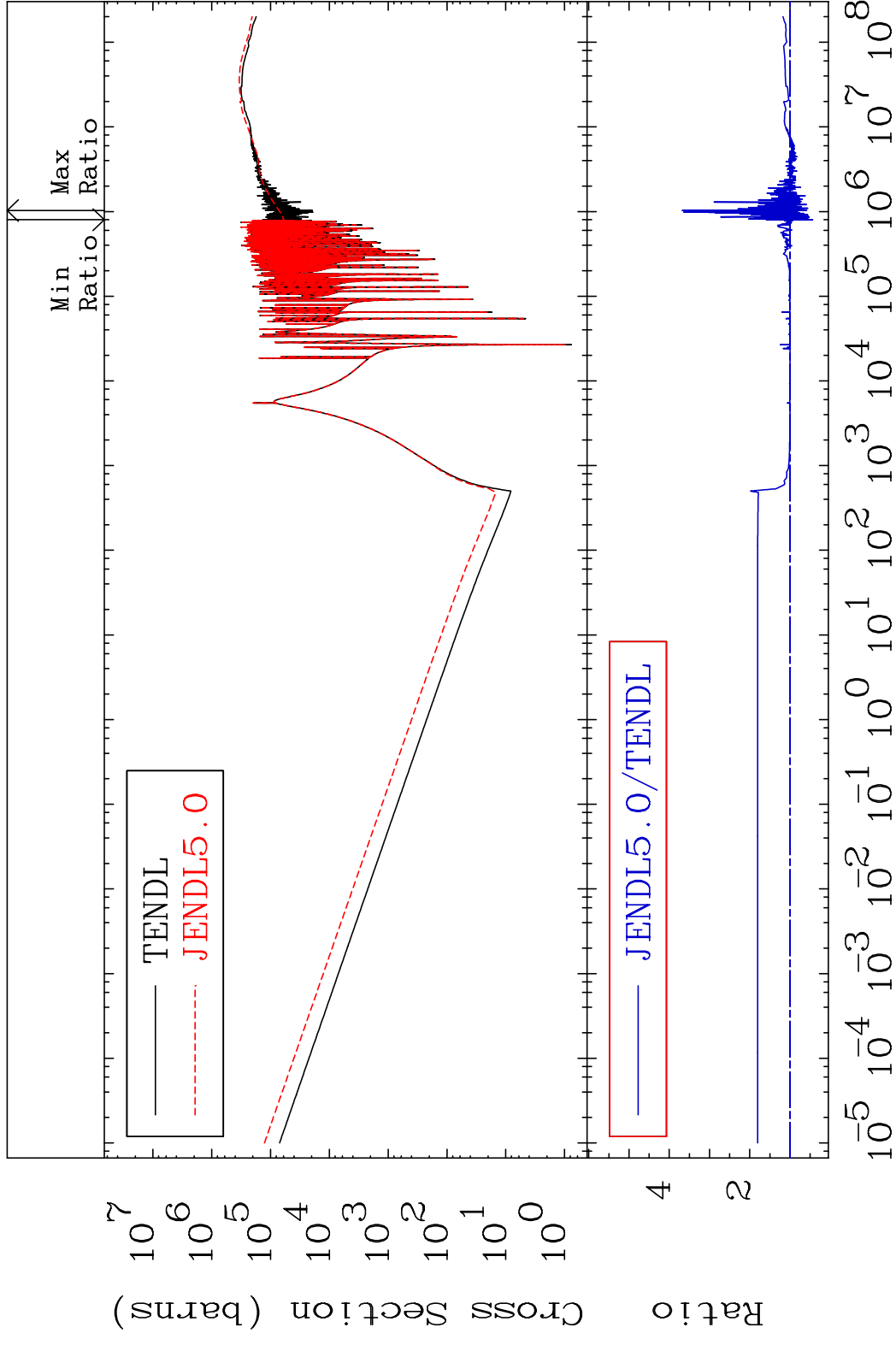


MAT 2425

Dpa total (eV-barns)

24-Cr-50

Cross Section -56.13 To 267.4 %



63

Incident Energy (eV)

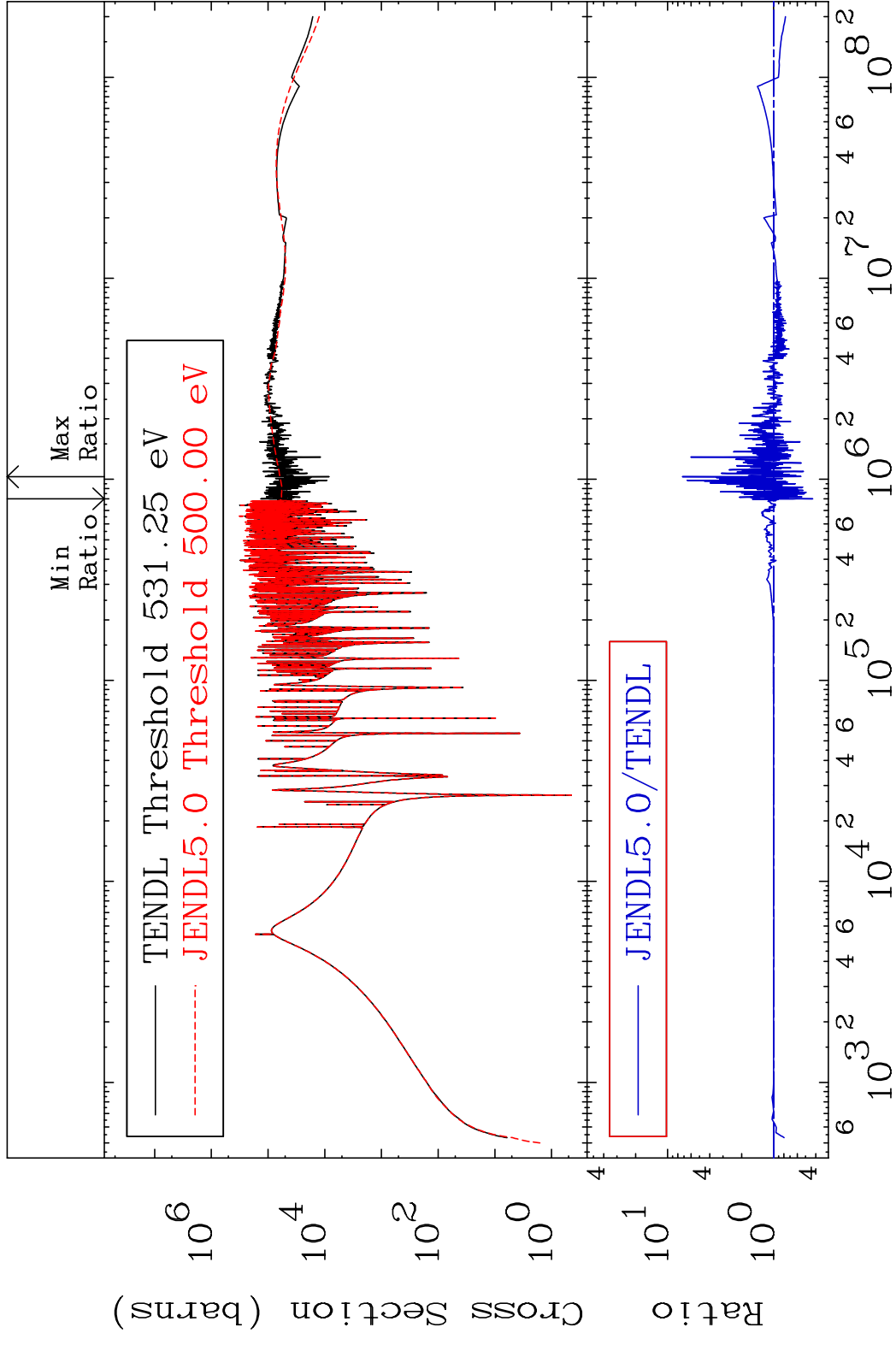
24-Cr-50

MAT 2425

Dpa elastic (mt2)

24-Cr-50

Cross Section -56.99 To 626.2 %



64

Incident Energy (eV)

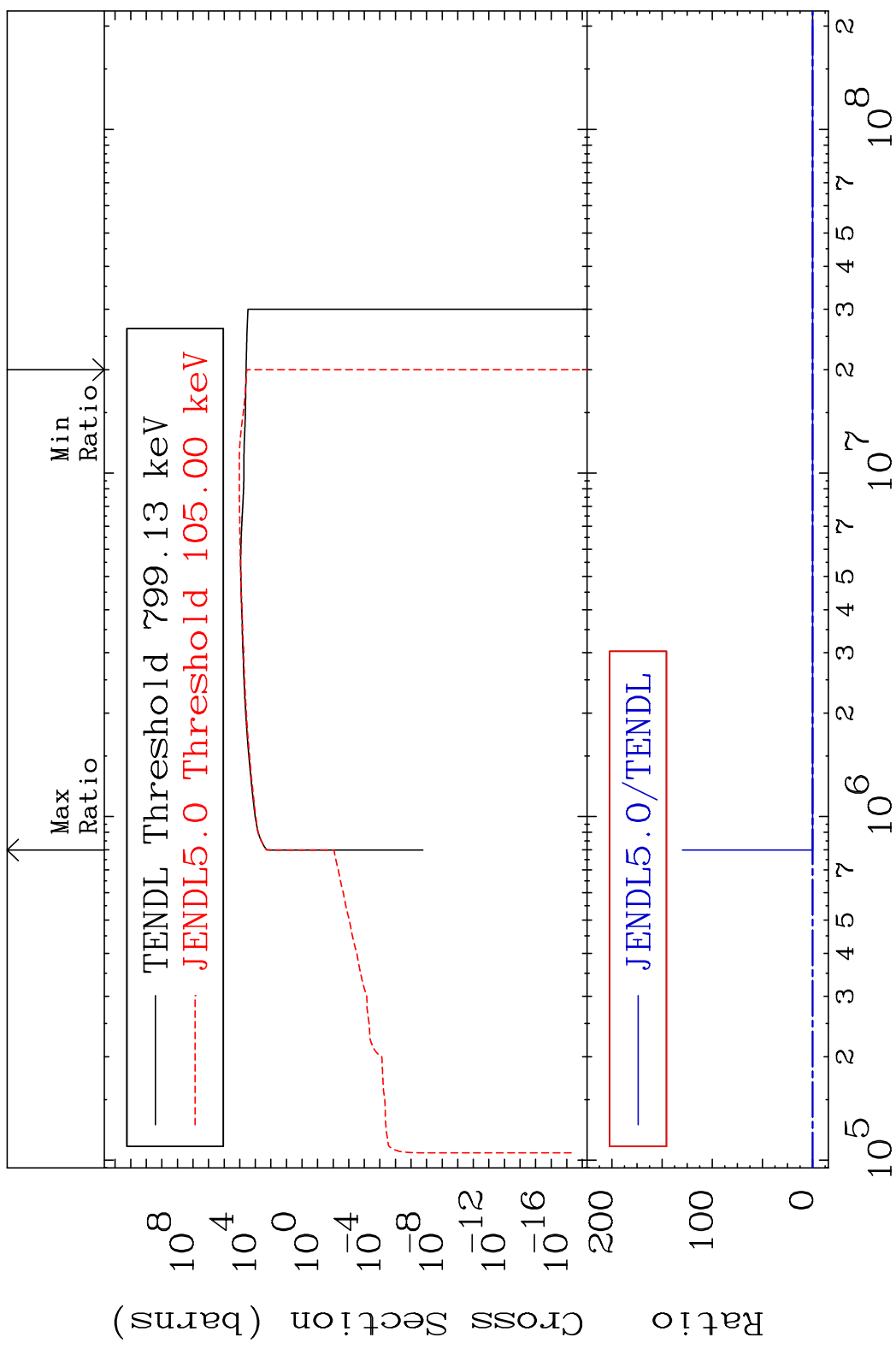
24-Cr-50

MAT 2425

Dpa inelastic (mt51-91)

²⁴Cr-50

Cross Section -100.0 To 9999. %

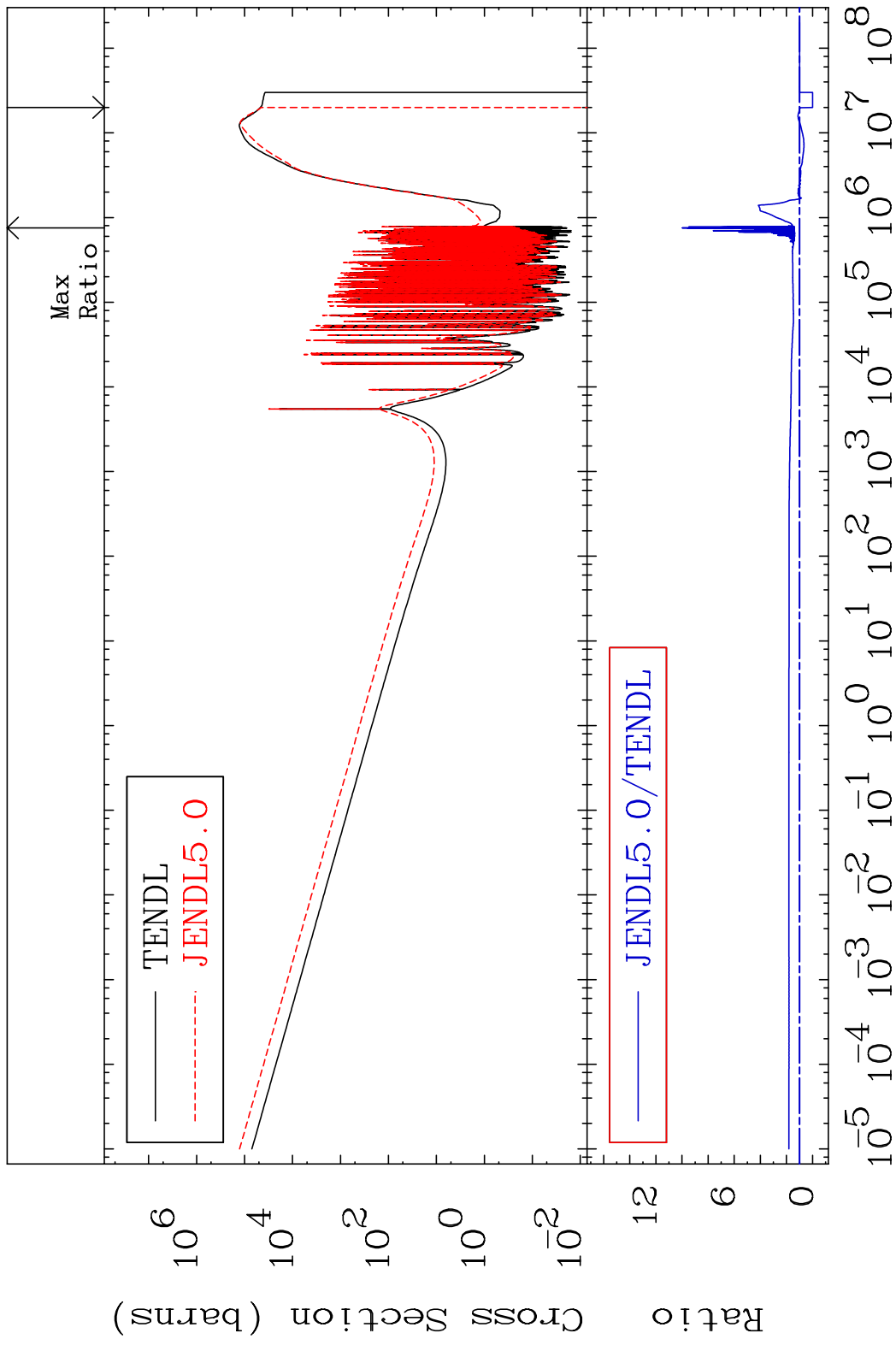


65

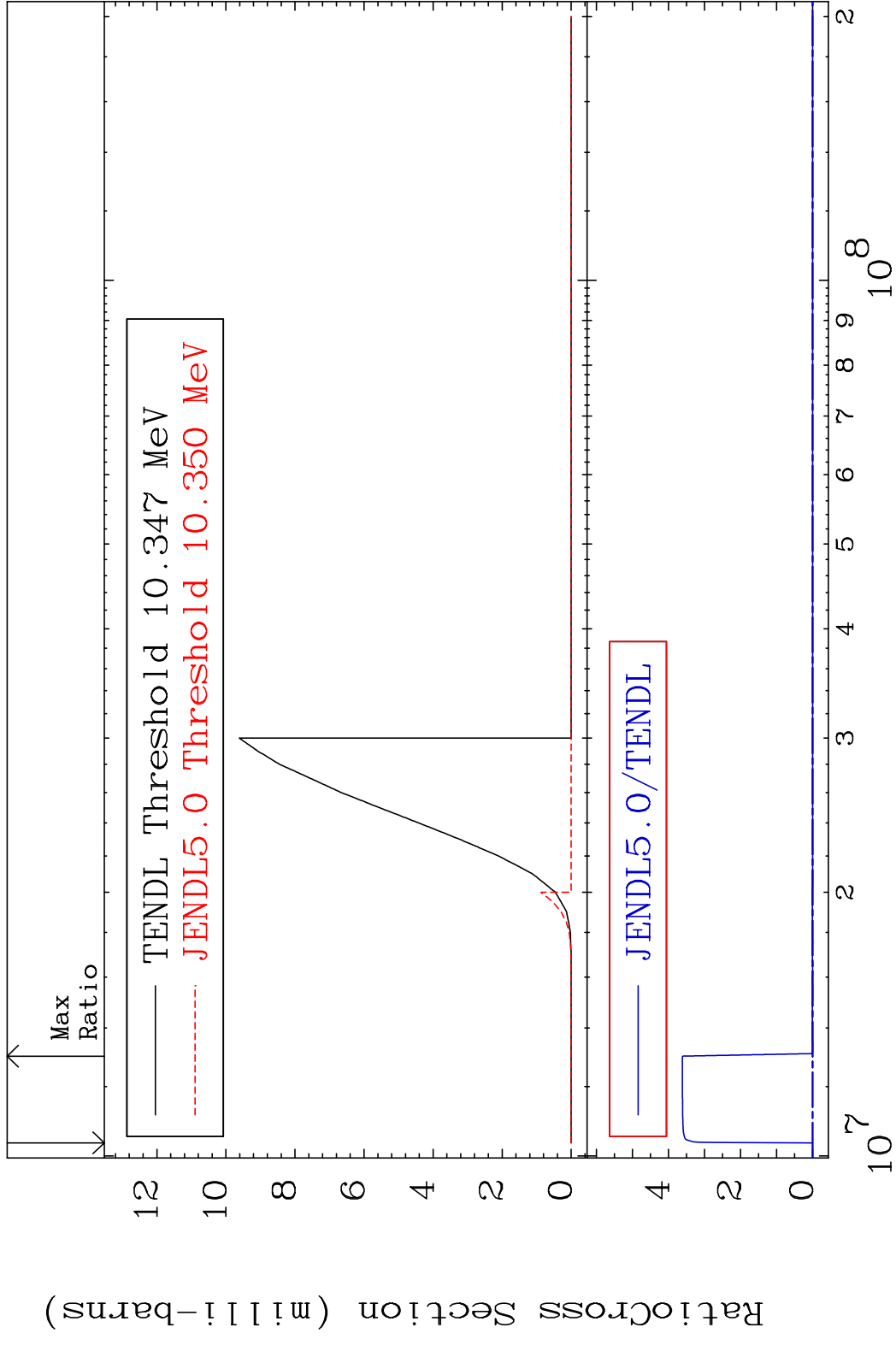
Incident Energy (eV)

²⁴Cr-50

MAT 2425 Dpa disappearance (mt102 -120) 24-Cr-50
Cross Section -100.0 To 897.4 %



MAT 2425 (n, p) α :21-Sc-46g 24-Cr-50
 Radionuclide Production Cross Section 100.0 dth 9999. %



67 Incident Energy (eV) 24-Cr-50

