

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

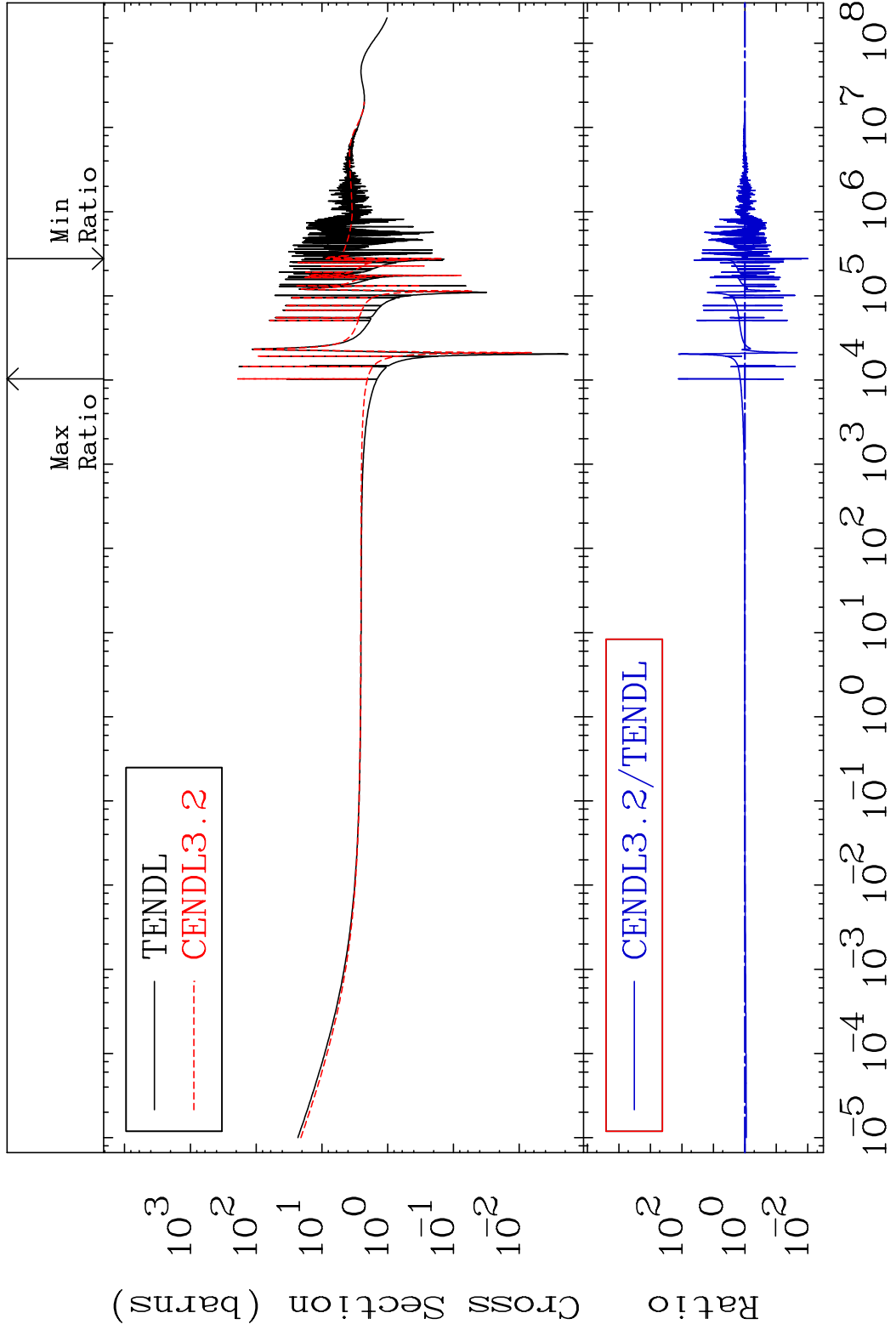
U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 2437 Total 24-Cr-54
 Cross Section -98.99 To 9999. %



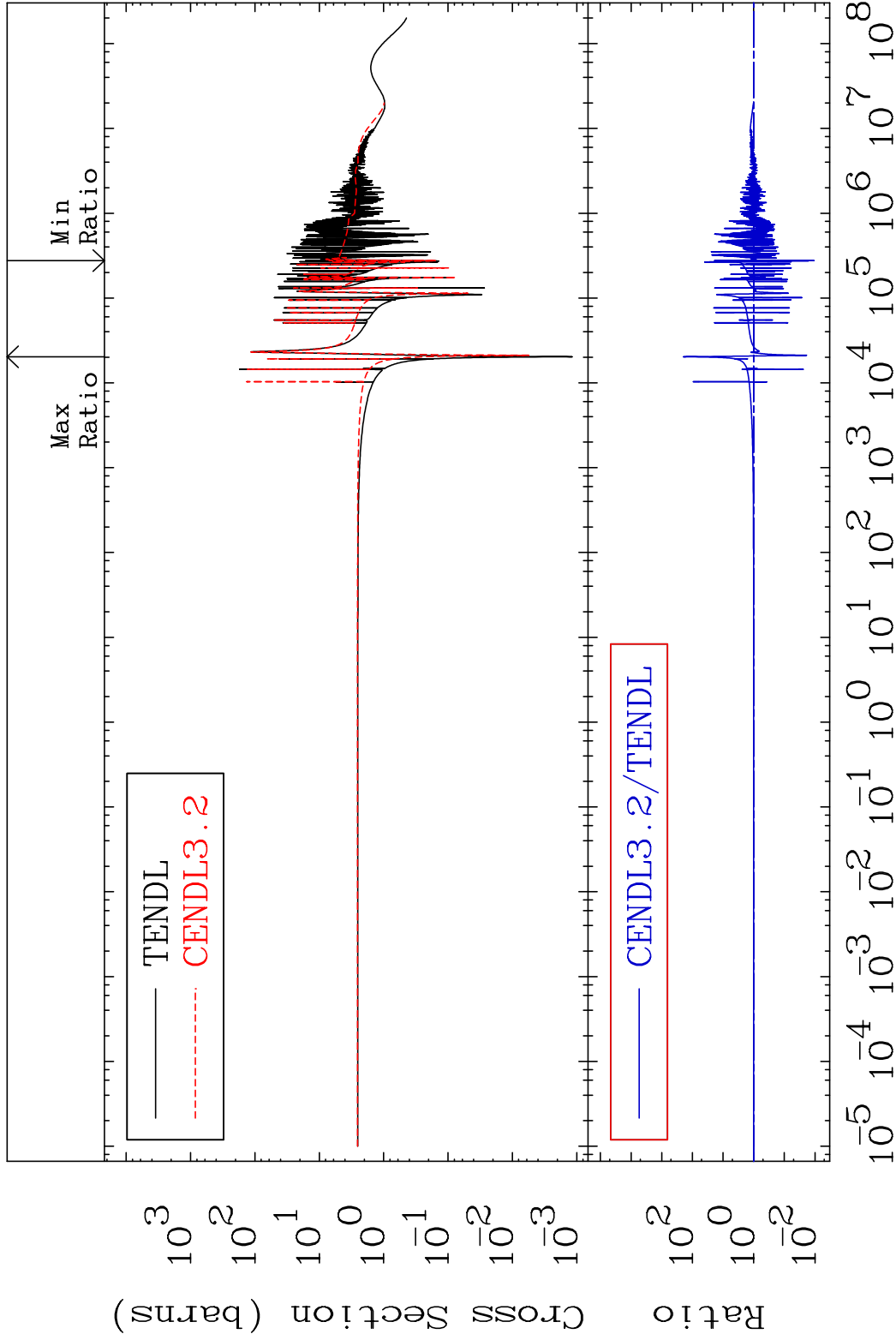
1 Incident Energy (eV) 24-Cr-54

MAT 2437

Elastic

24-Cr-54

Cross Section -98.91 To 9999. %

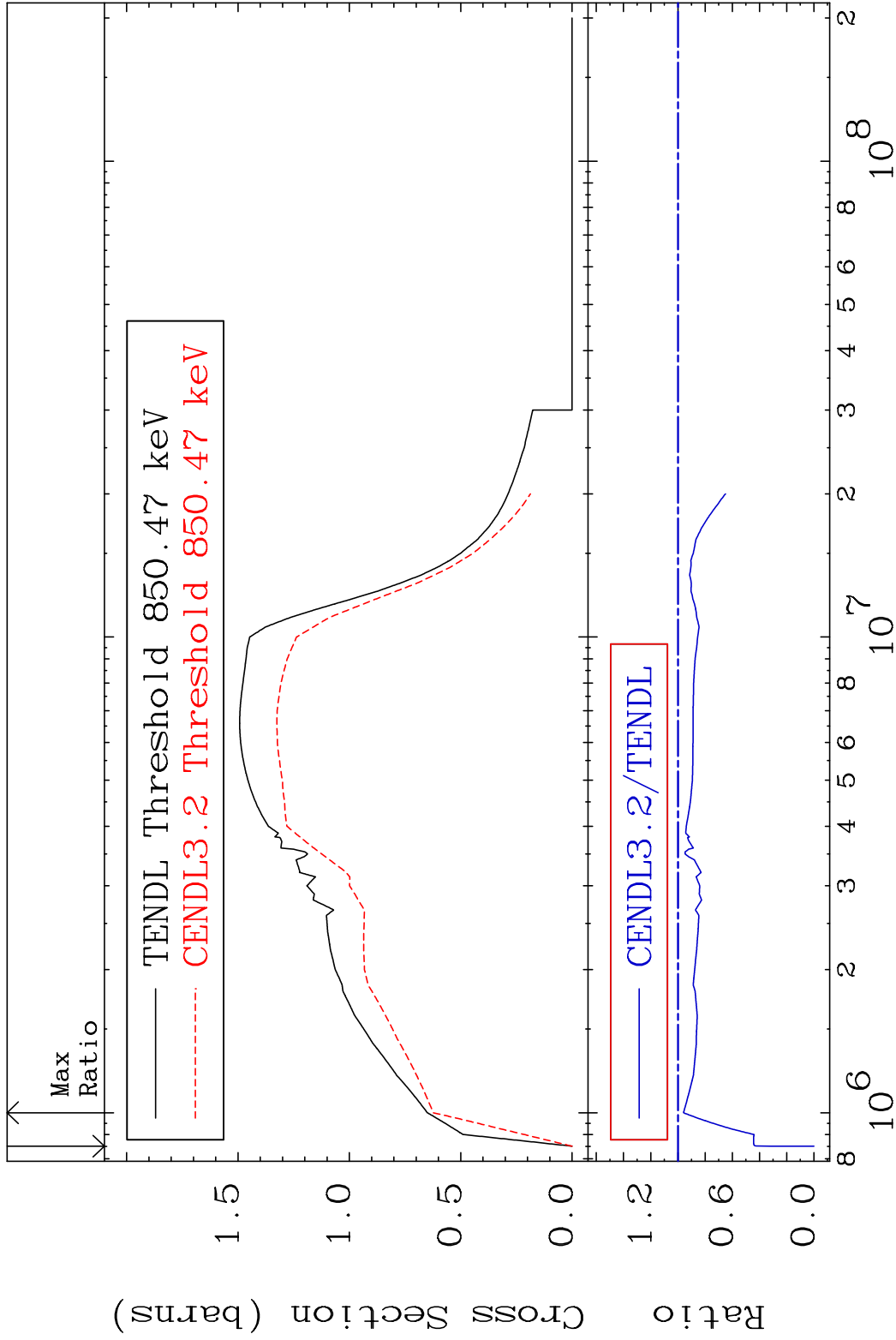


2

Incident Energy (eV)

24-Cr-54

MAT 2437 Inelastic 24-Cr-54
Cross Section -100.0 To -4.079%



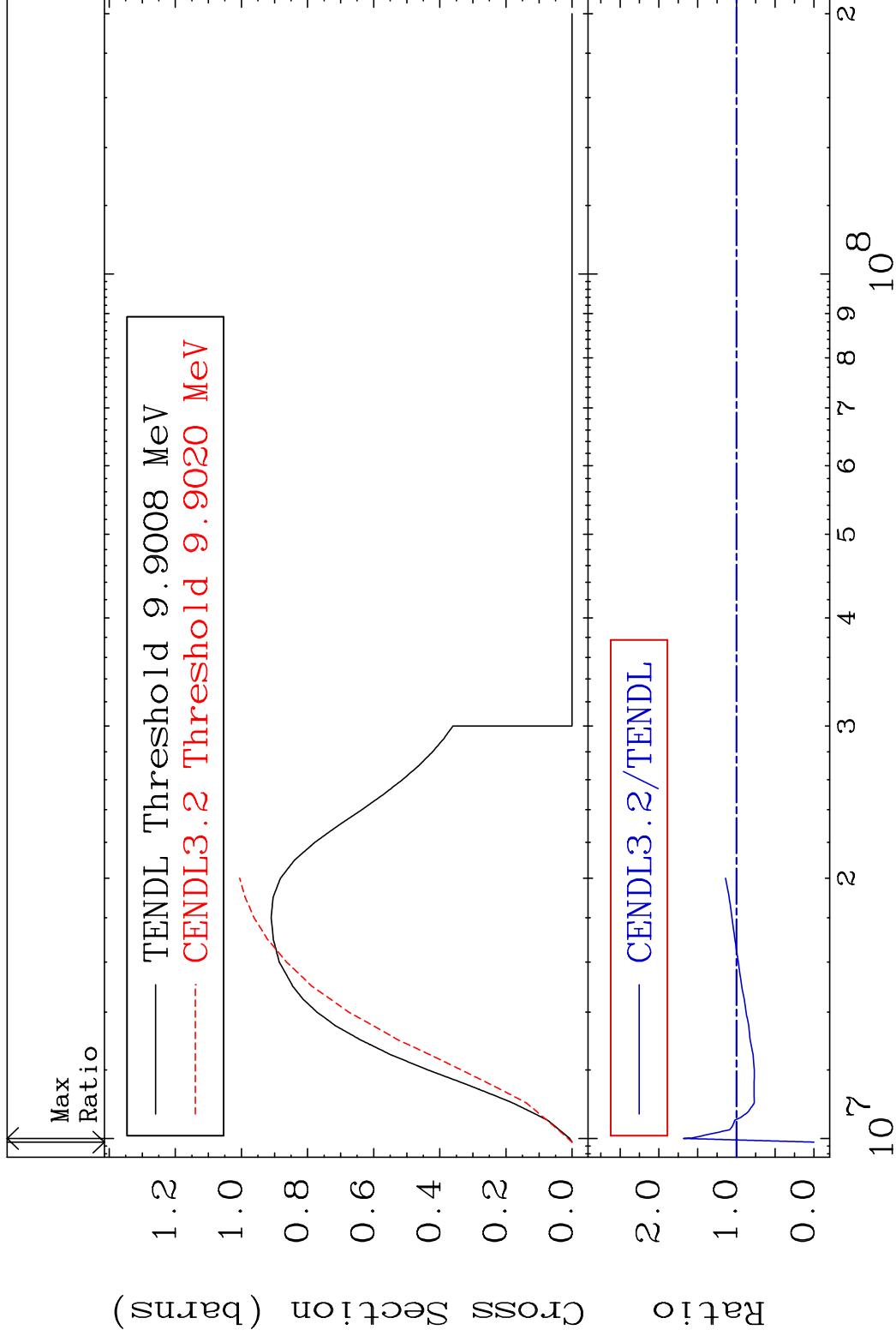
3 Incident Energy (eV) 24-Cr-54

MAT 2437

(n,2n)

²⁴Cr-54

Cross Section -100.0 To 68.28 %

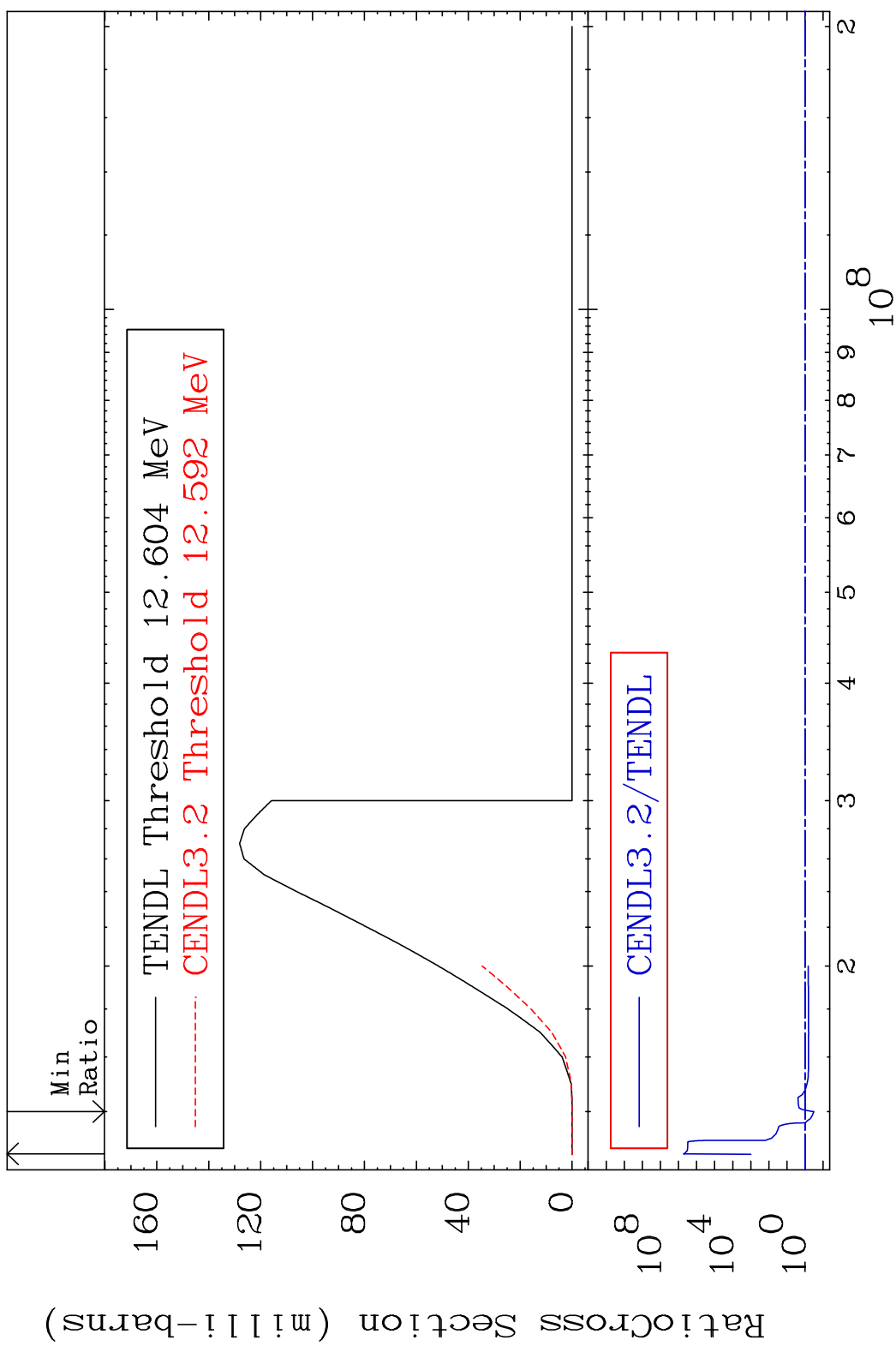


4

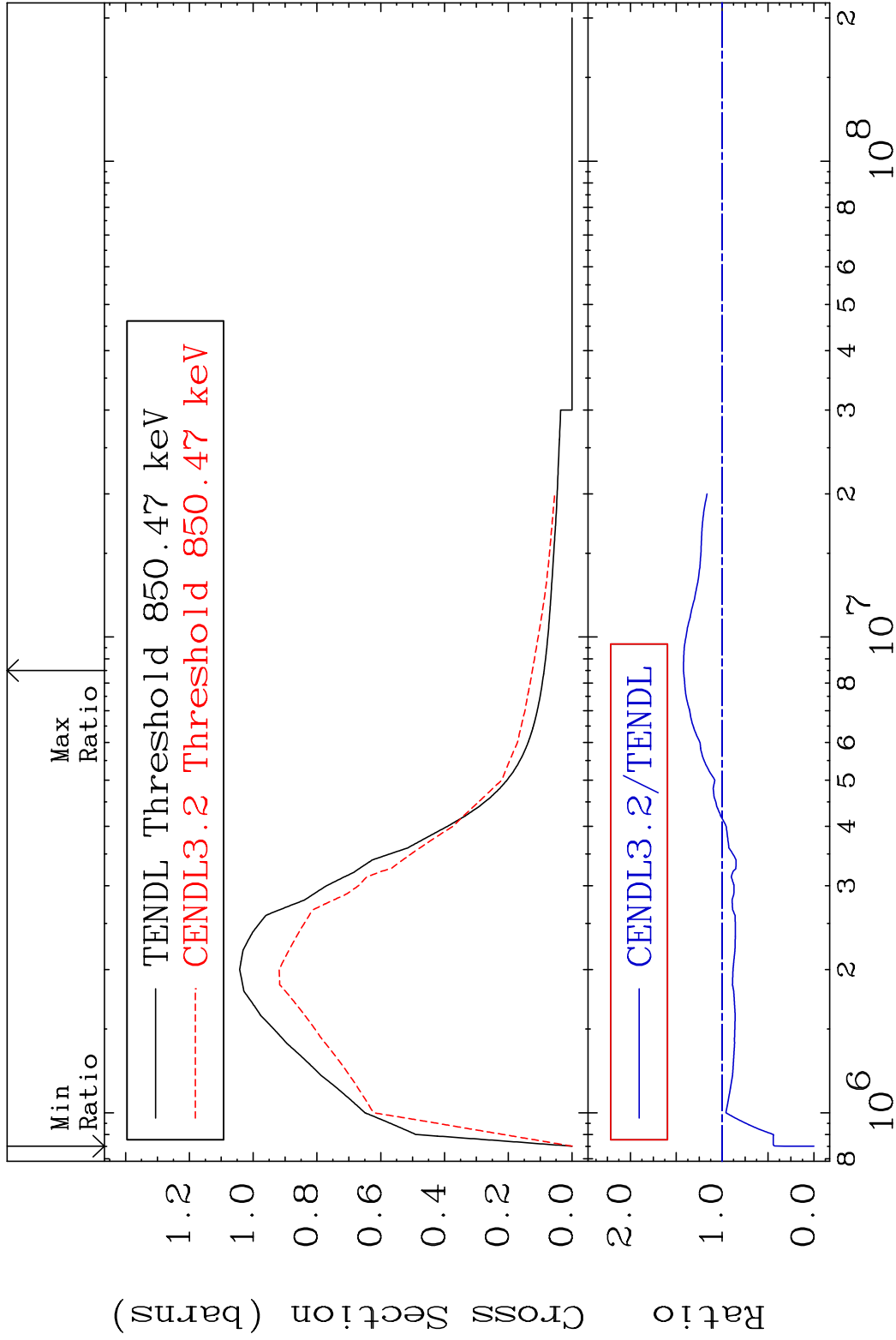
Incident Energy (eV)

²⁴Cr-54

MAT 2437 (n, n') p 24-Cr-54
 Cross Section -67.58 To 9999. %

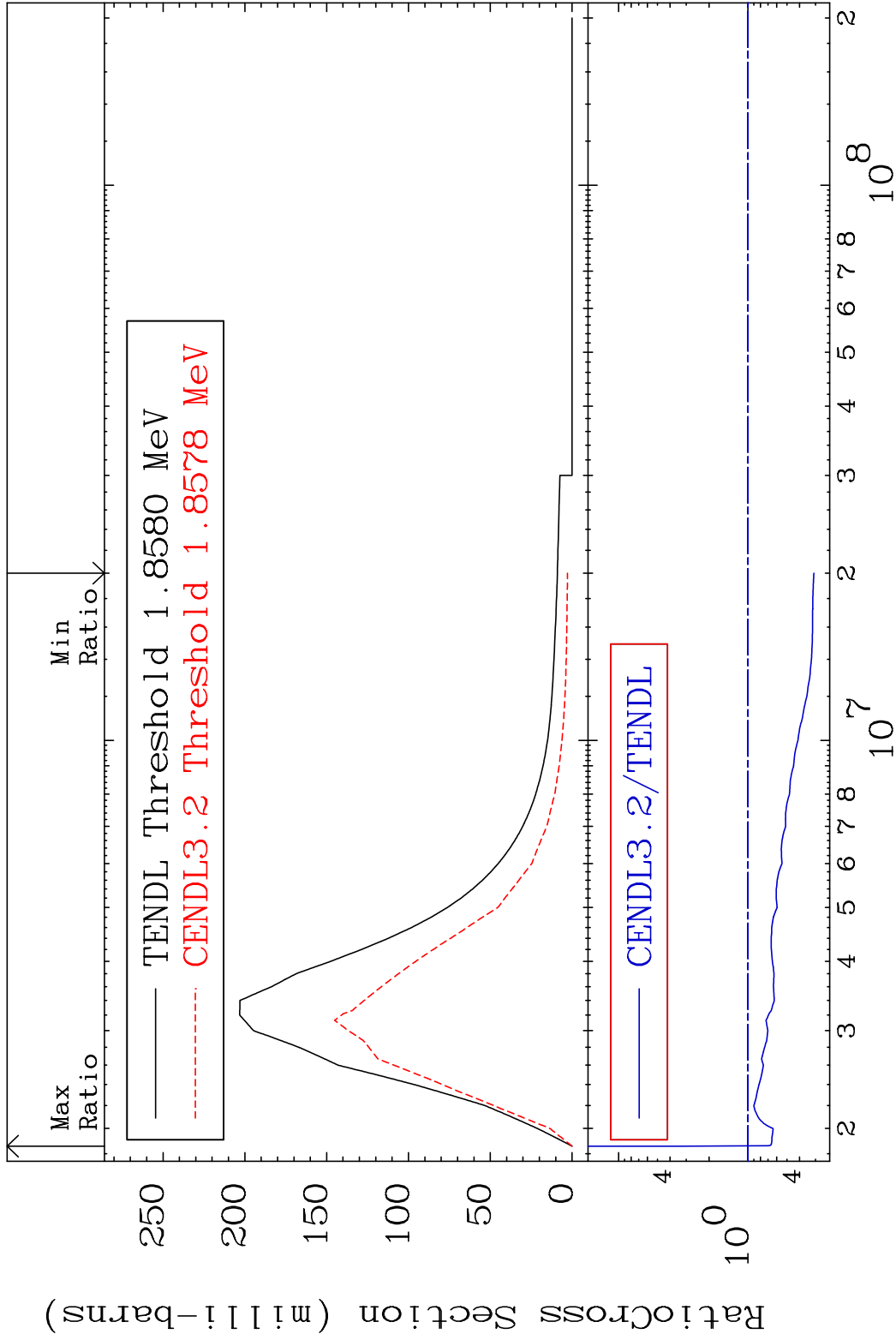


MAT 2437 MT= 51 (n, n') Level 24-Cr-54
 Cross Section -100.0 To 42.16 %



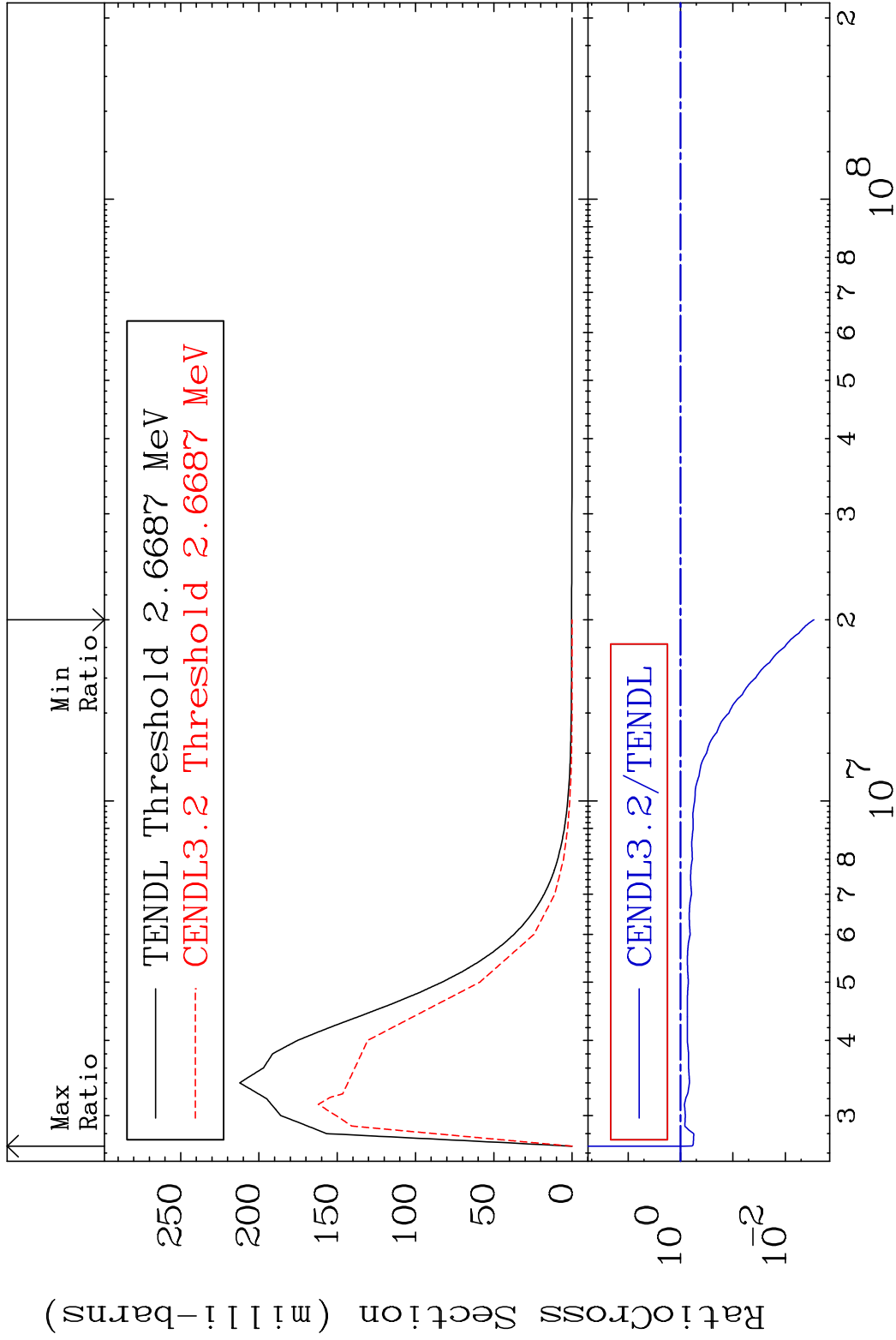
7 Incident Energy (eV) 24-Cr-54

MAT 2437 MT= 52 (n, n') Level 24-Cr-54
 Cross Section -69.06 To 215.2 %



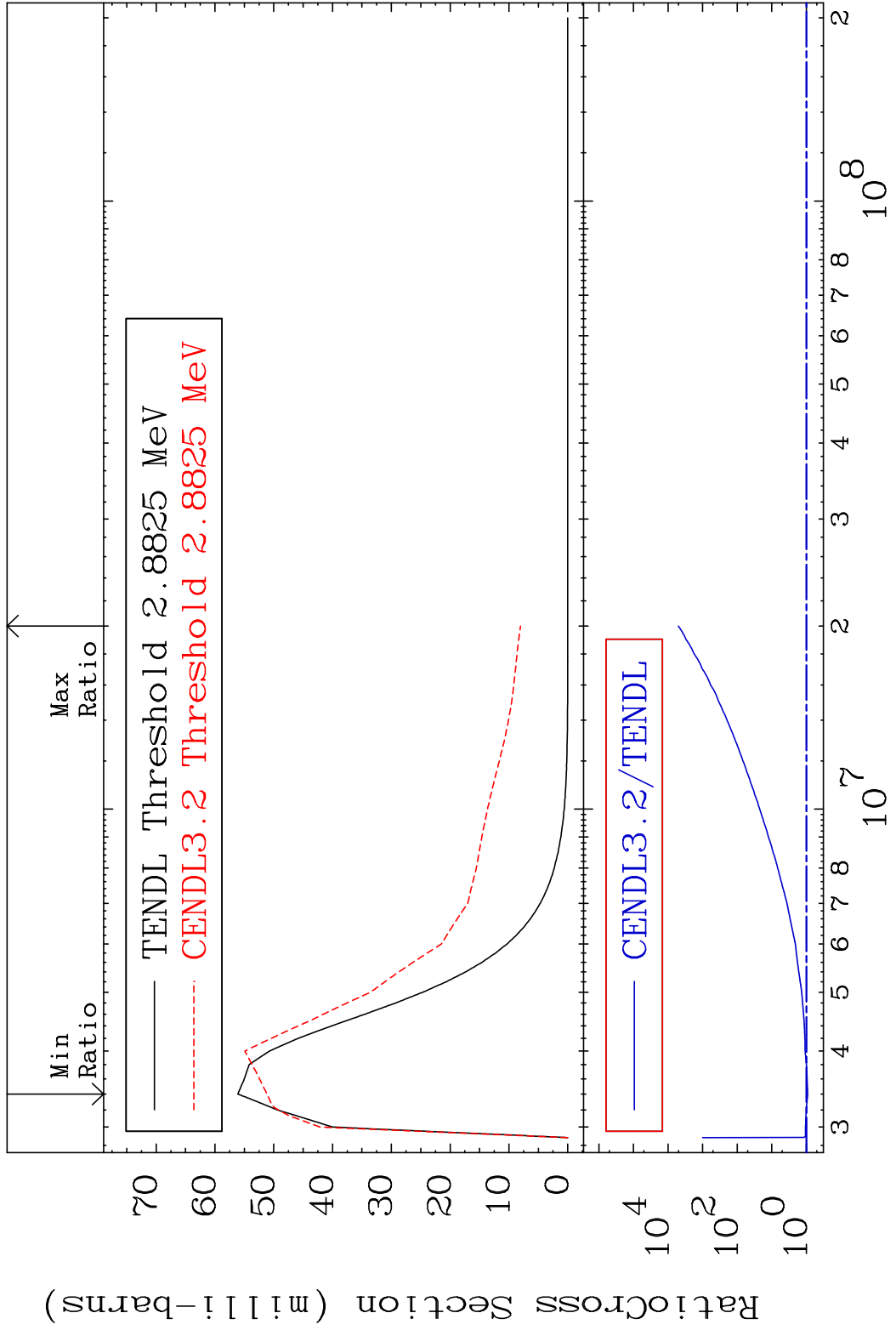
8 Incident Energy (eV) 24-Cr-54

MAT 2437 MT= 53 (n, n') Level 24-Cr-54
 Cross Section -99.72 To -11.90%



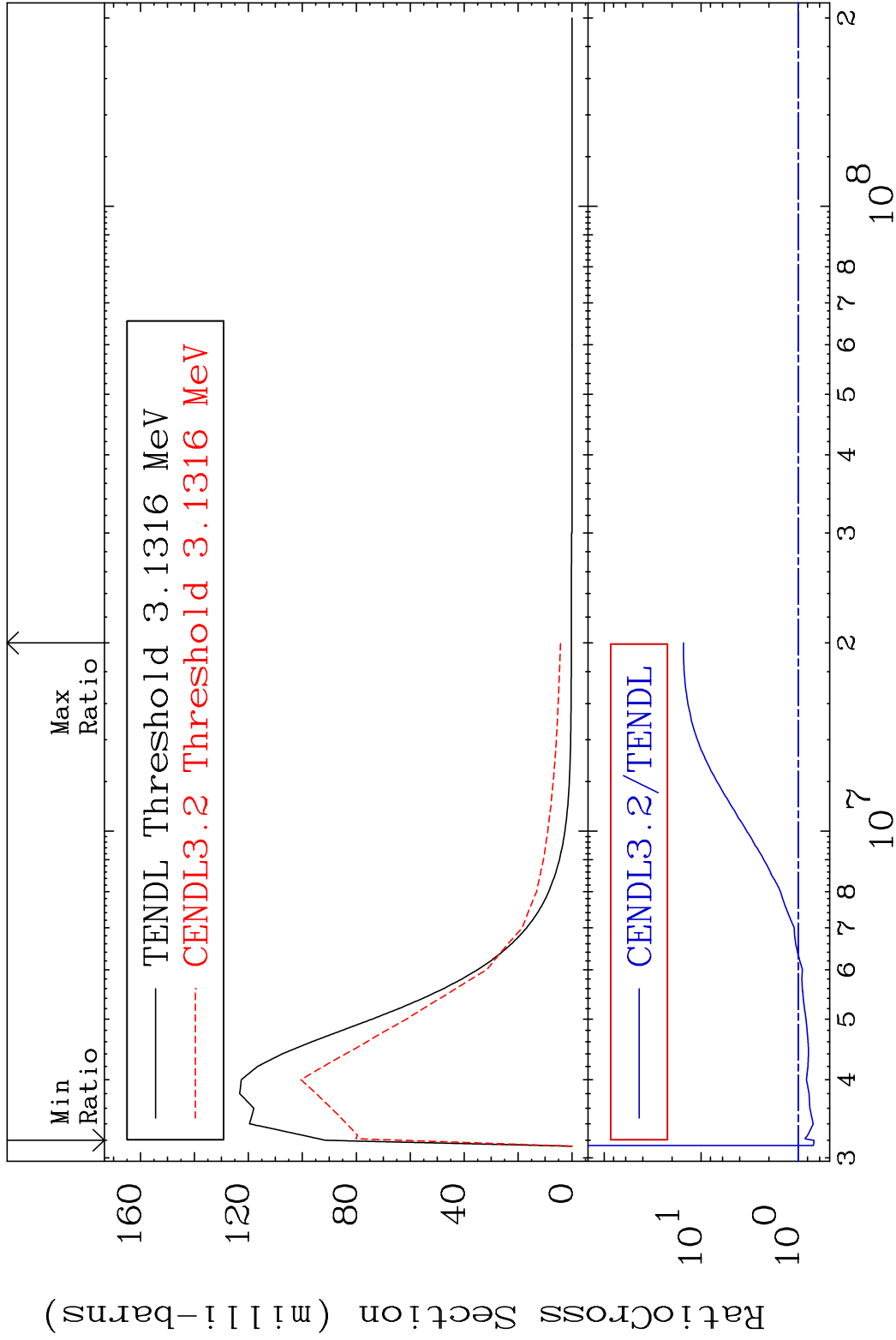
9 Incident Energy (eV) 24-Cr-54

MAT 2437 MT= 54 (n, n') Level 24-Cr-54
 Cross Section -8.802 To 9999. %



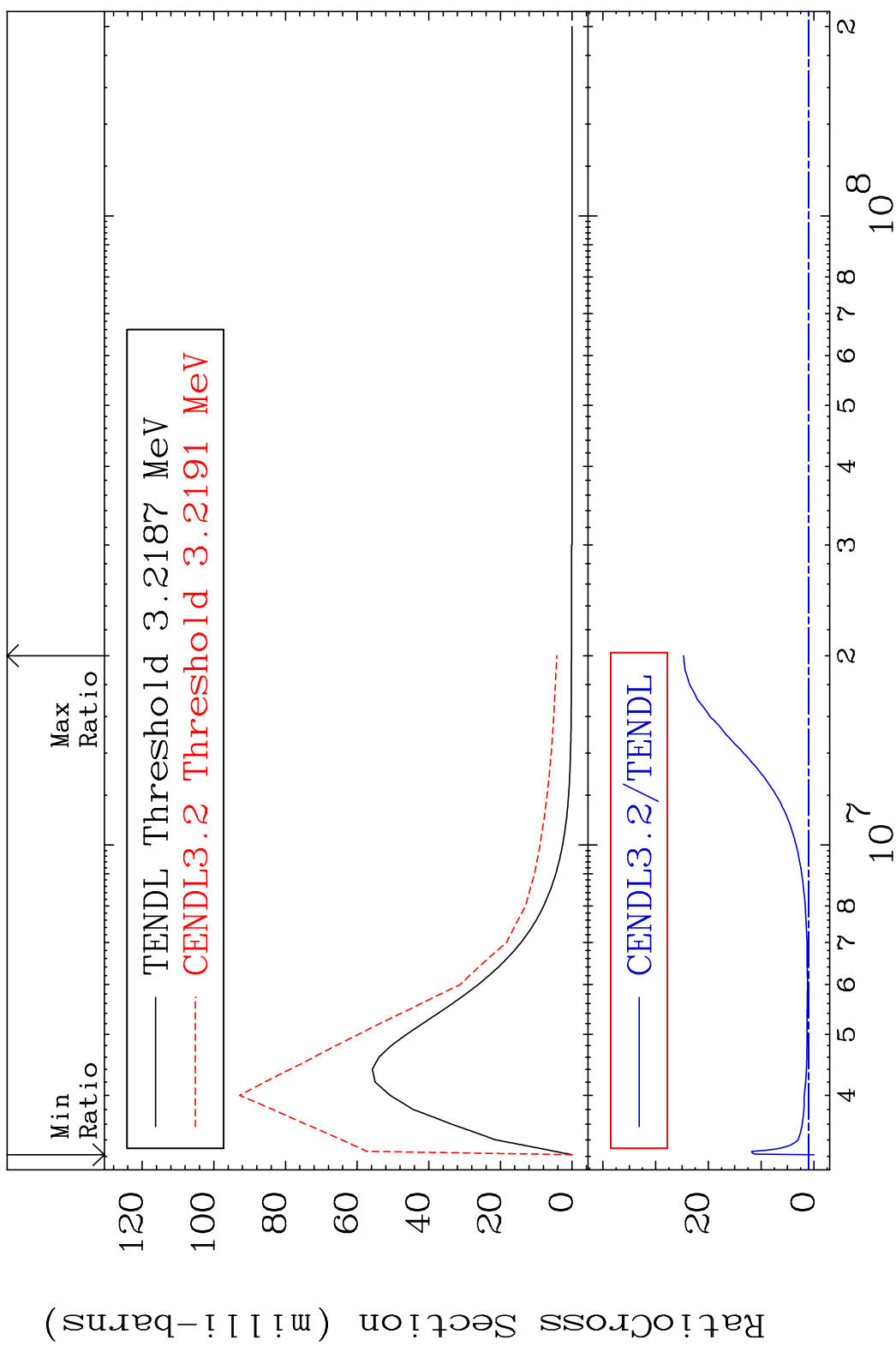
10 Incident Energy (eV) 24-Cr-54

MAT 2437 MT= 55 (n, n') Level 24-Cr-54
 Cross Section -31.29 To 1422. %



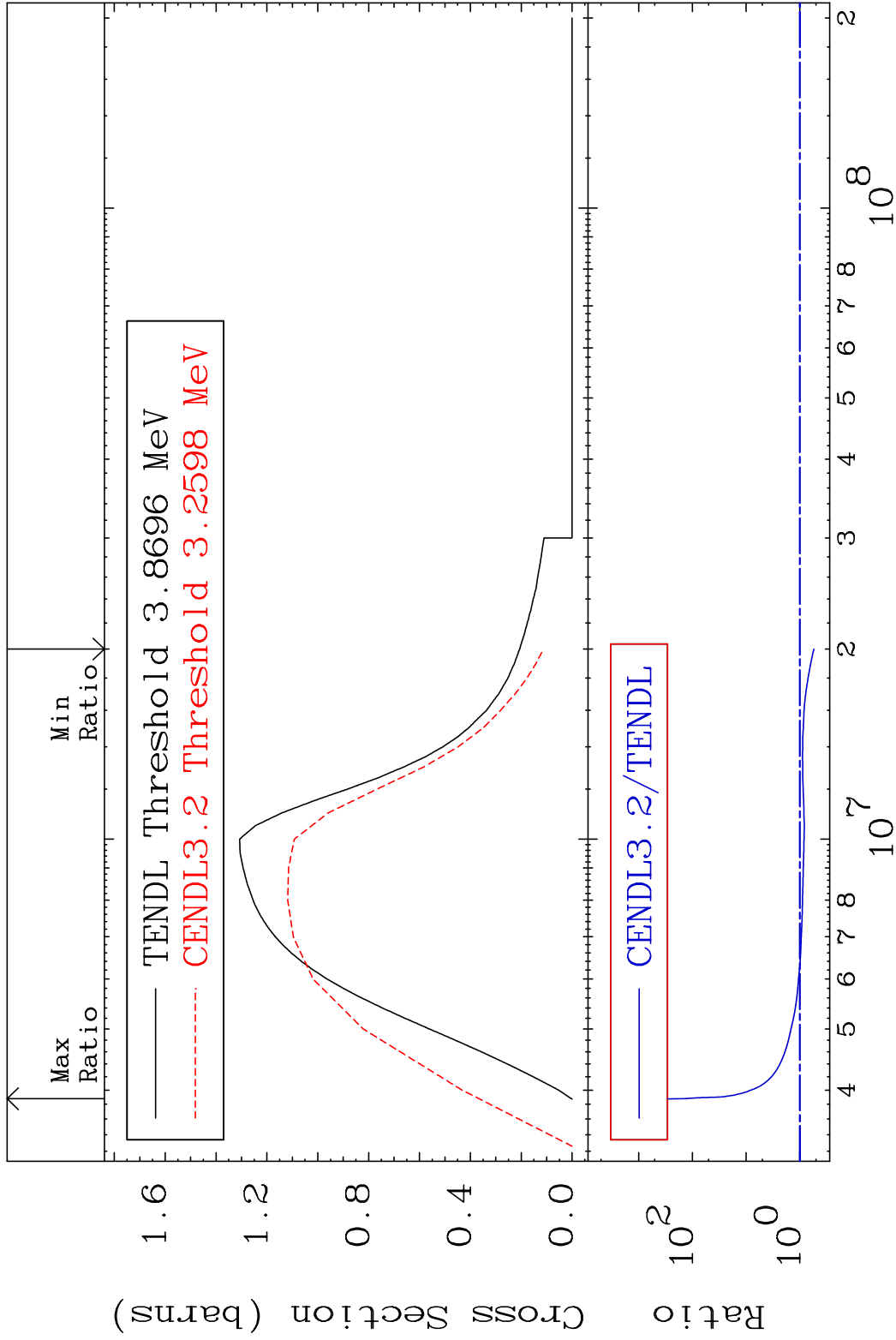
11 Incident Energy (eV) 24-Cr-54

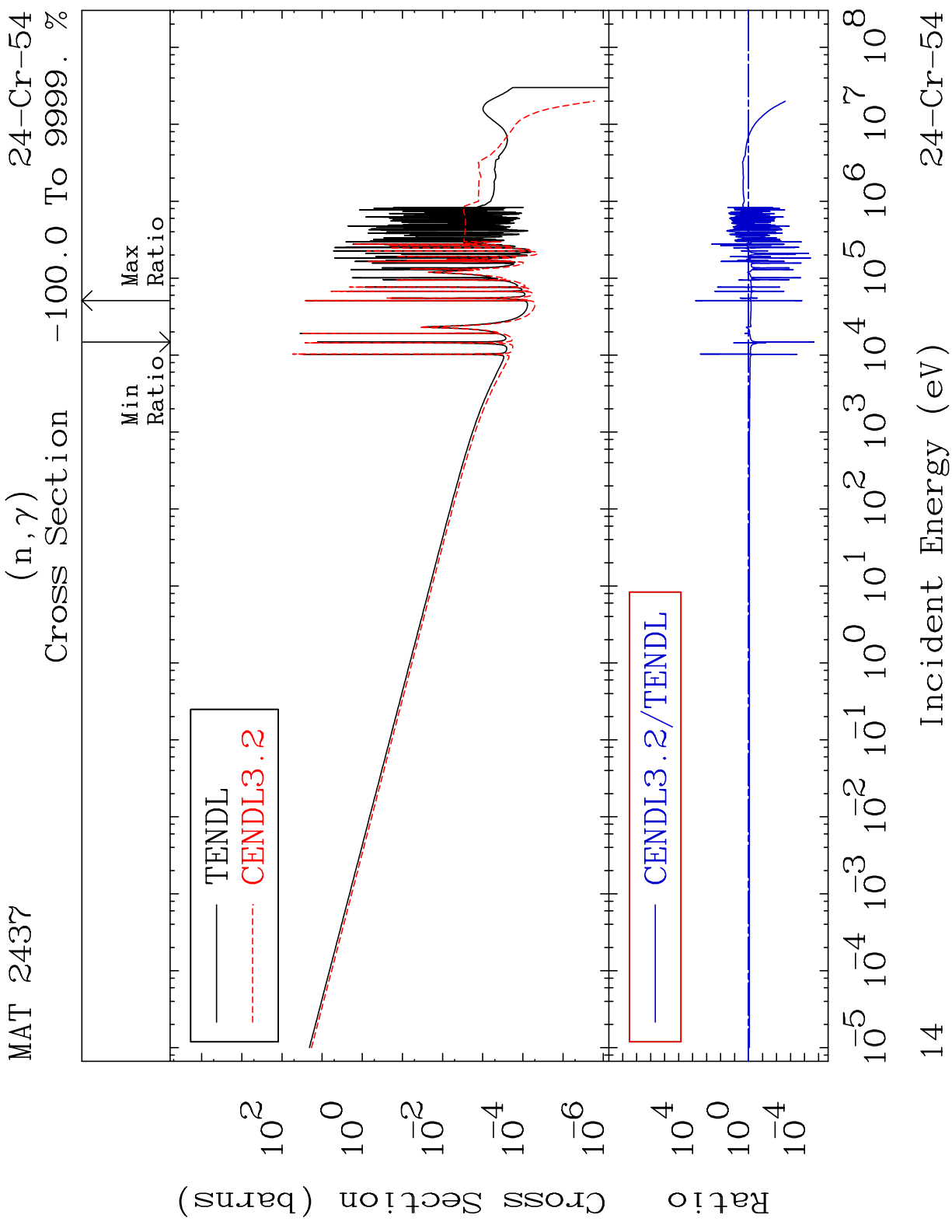
MAT 2437 MT= 56 (n, n') Level 24-Cr-54
 Cross Section -100.0 To 2373. %



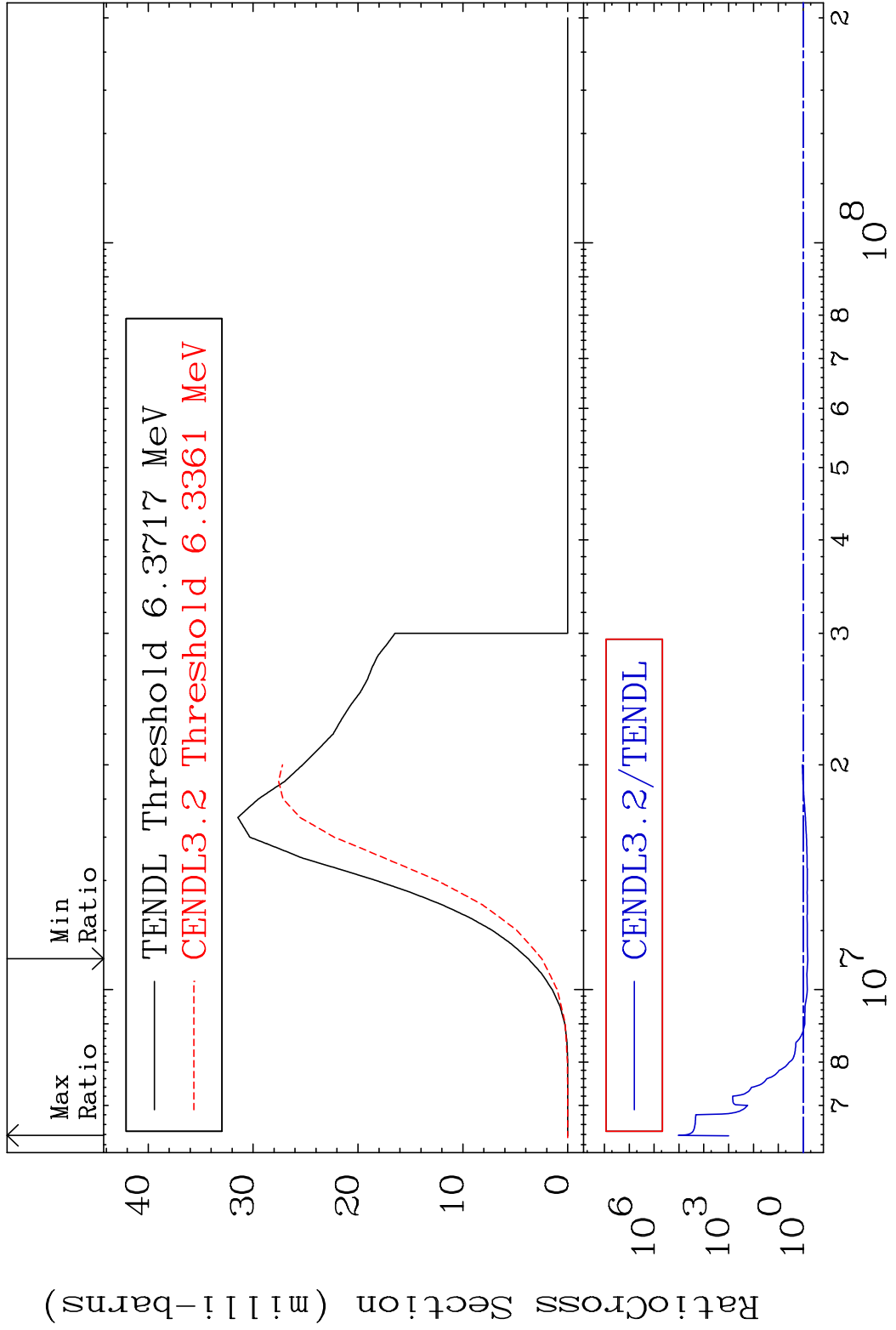
12 24-Cr-54

MAT 2437 (n, n') Continuum 24-Cr-54
 Cross Section -45.28 To 9999. %

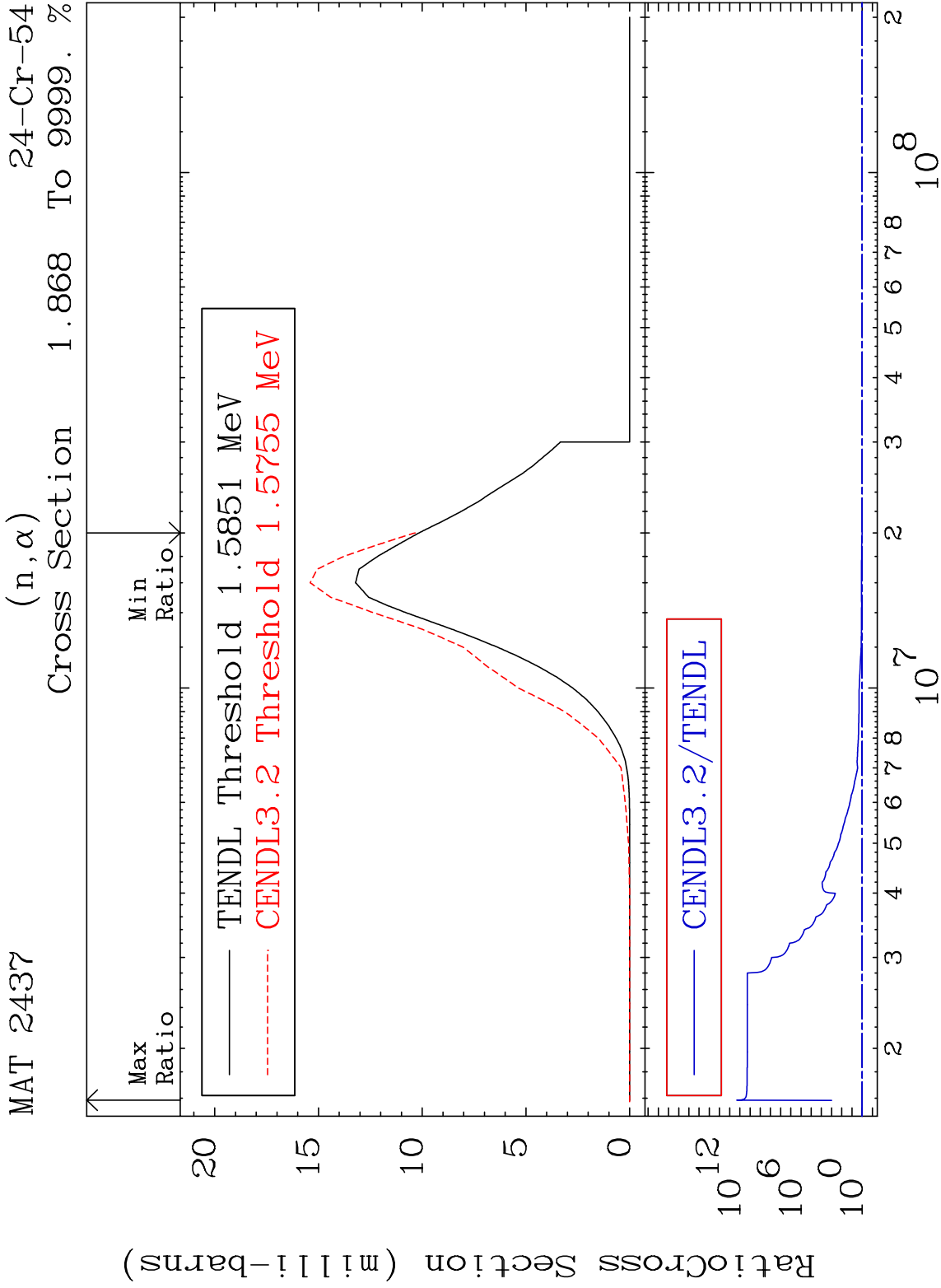




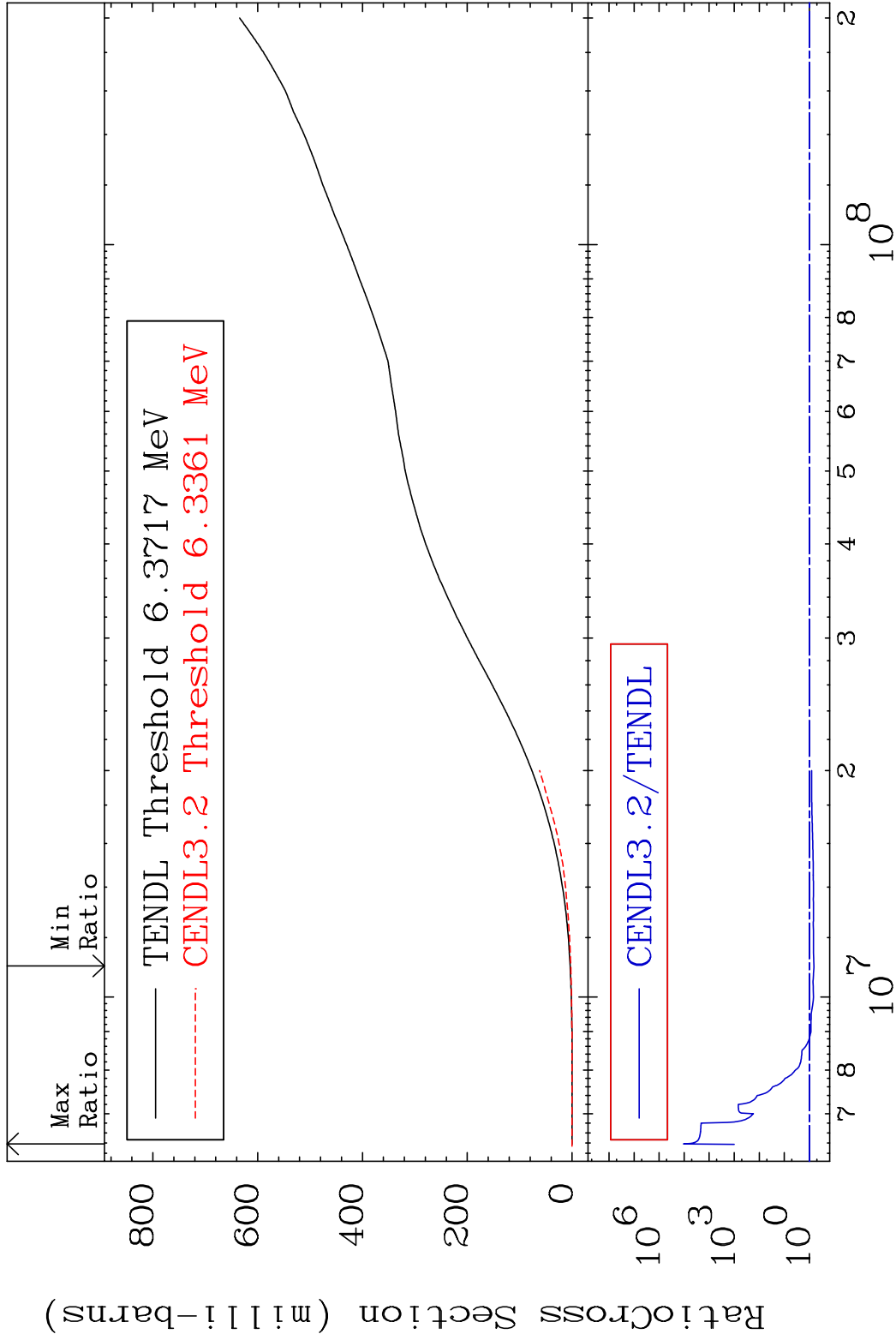
MAT 2437 (n,p) 24-Cr-54
 Cross Section -34.47 To 9999. %



15 24-Cr-54

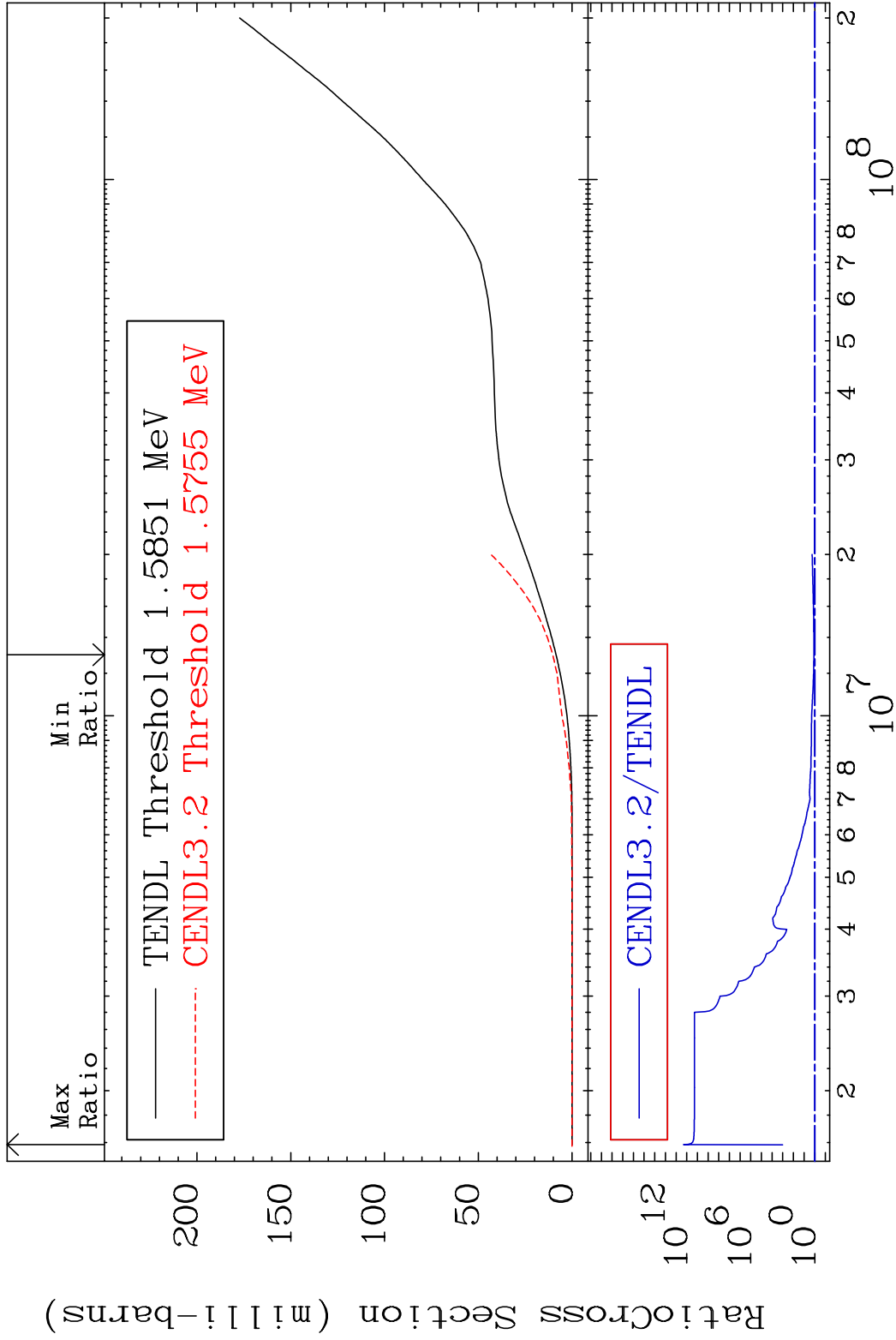


MAT 2437 Hydrogen Production 24-Cr-54
 Cross Section -34.47 To 9999. %



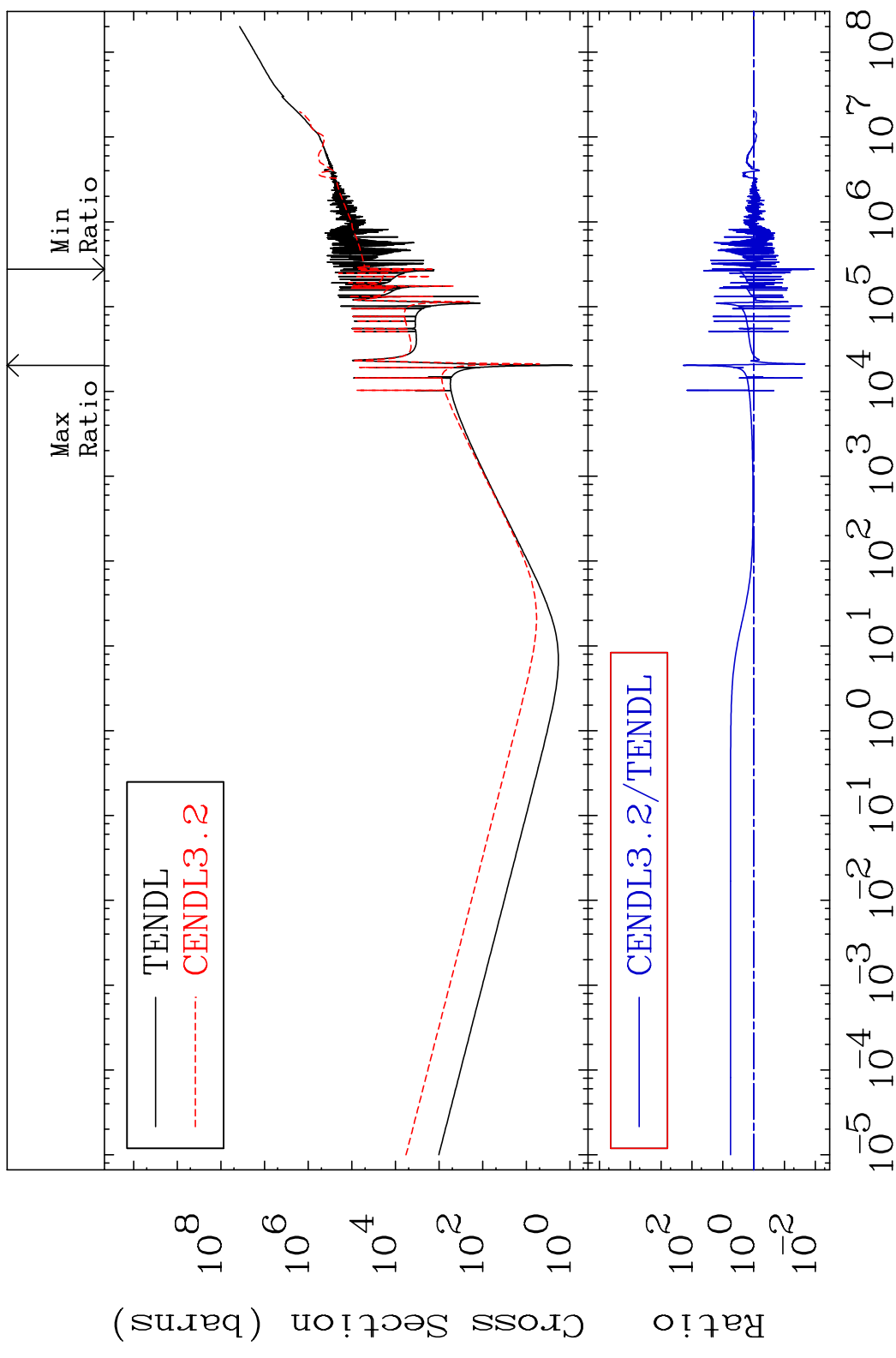
17 24-Cr-54

MAT 2437 He-4 Production 24-Cr-54
 Cross Section 20.69 To 9999. %



18 24-Cr-54

MAT 2437 Kerma total (eV-barns) 24-Cr-54
 Cross Section -98.89 To 9999. %

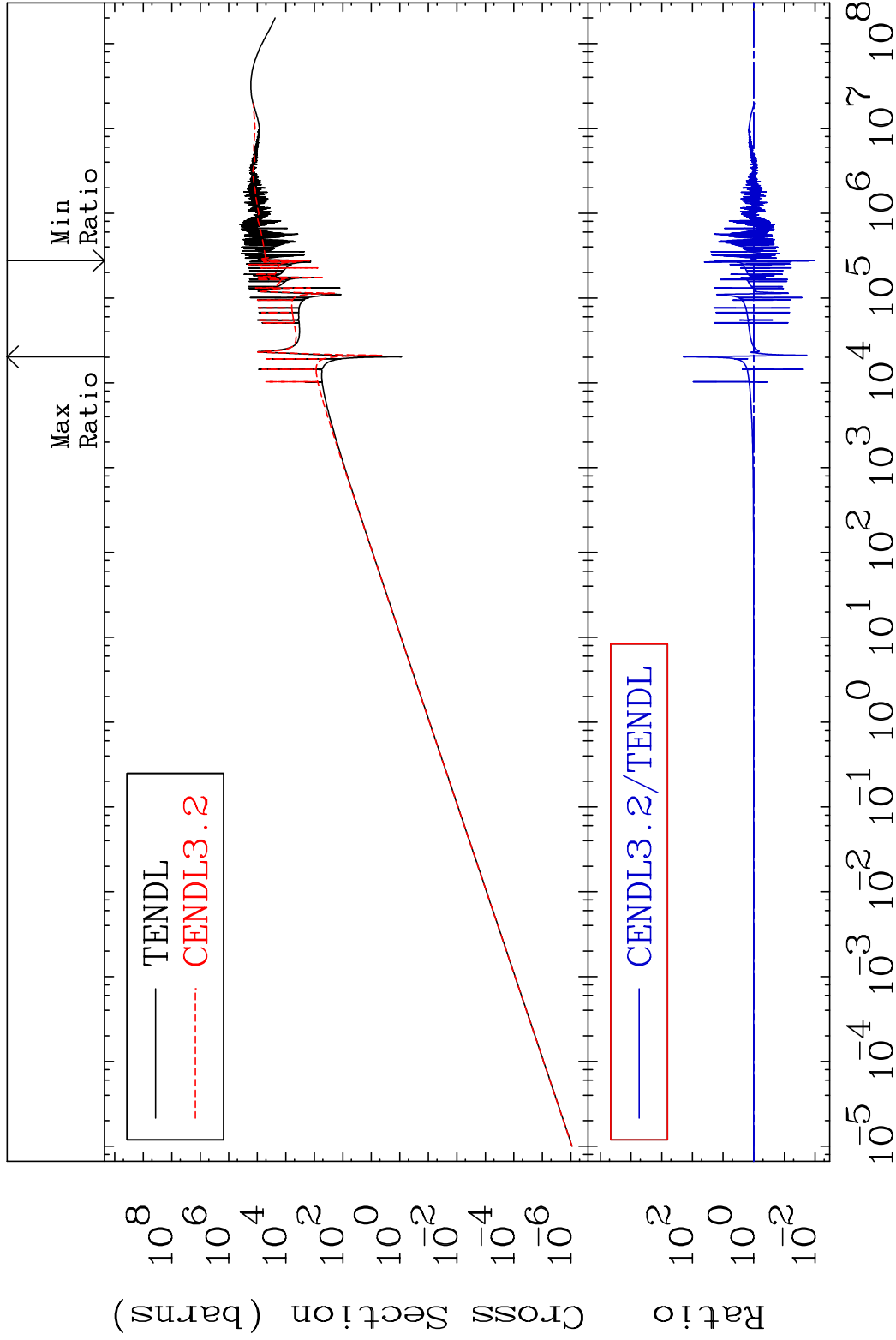


19 Incident Energy (eV) 24-Cr-54

MAT 2437

Kerma elastic
Cross Section

24-Cr-54
-98.91 To 9999. %

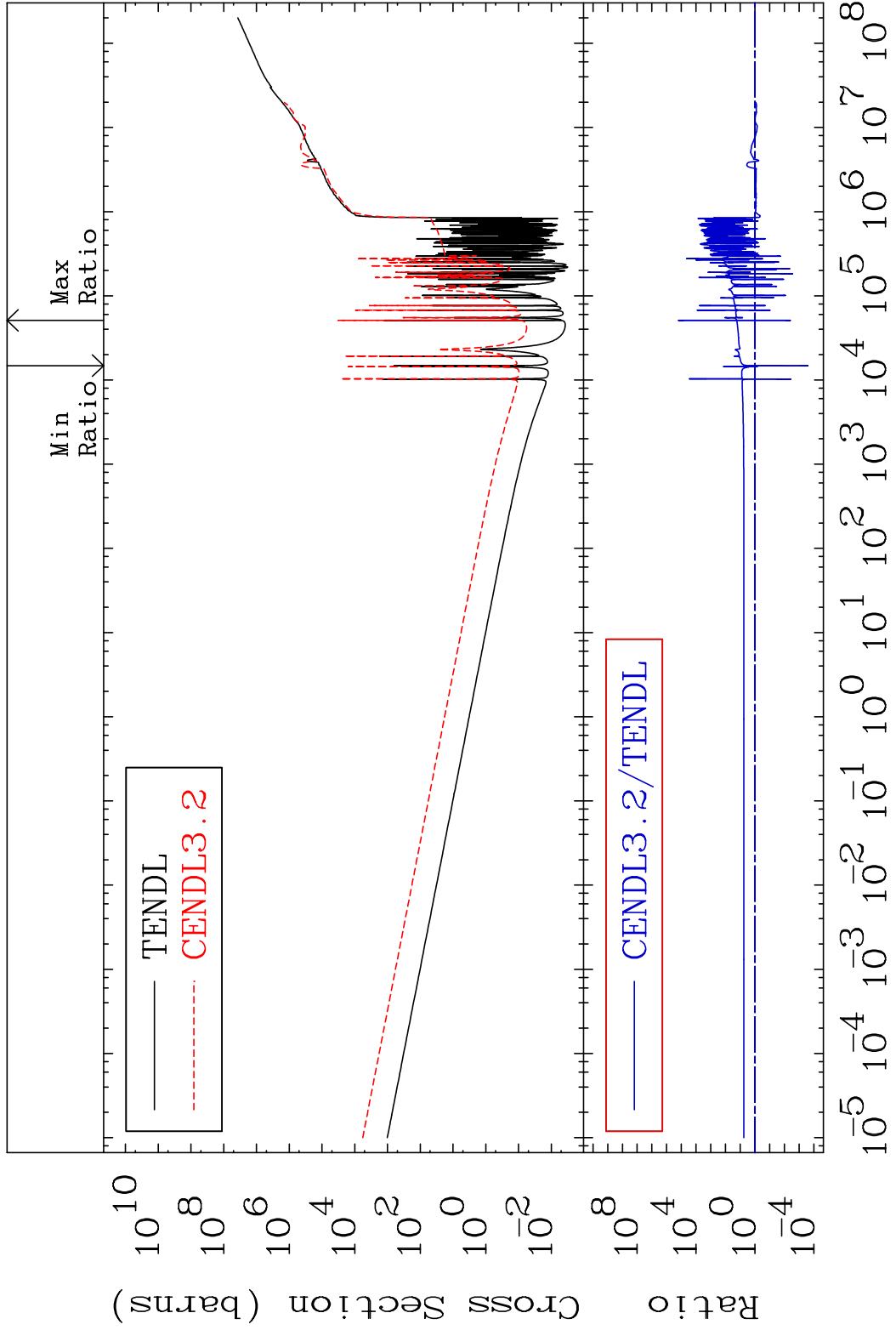


20

Incident Energy (eV)

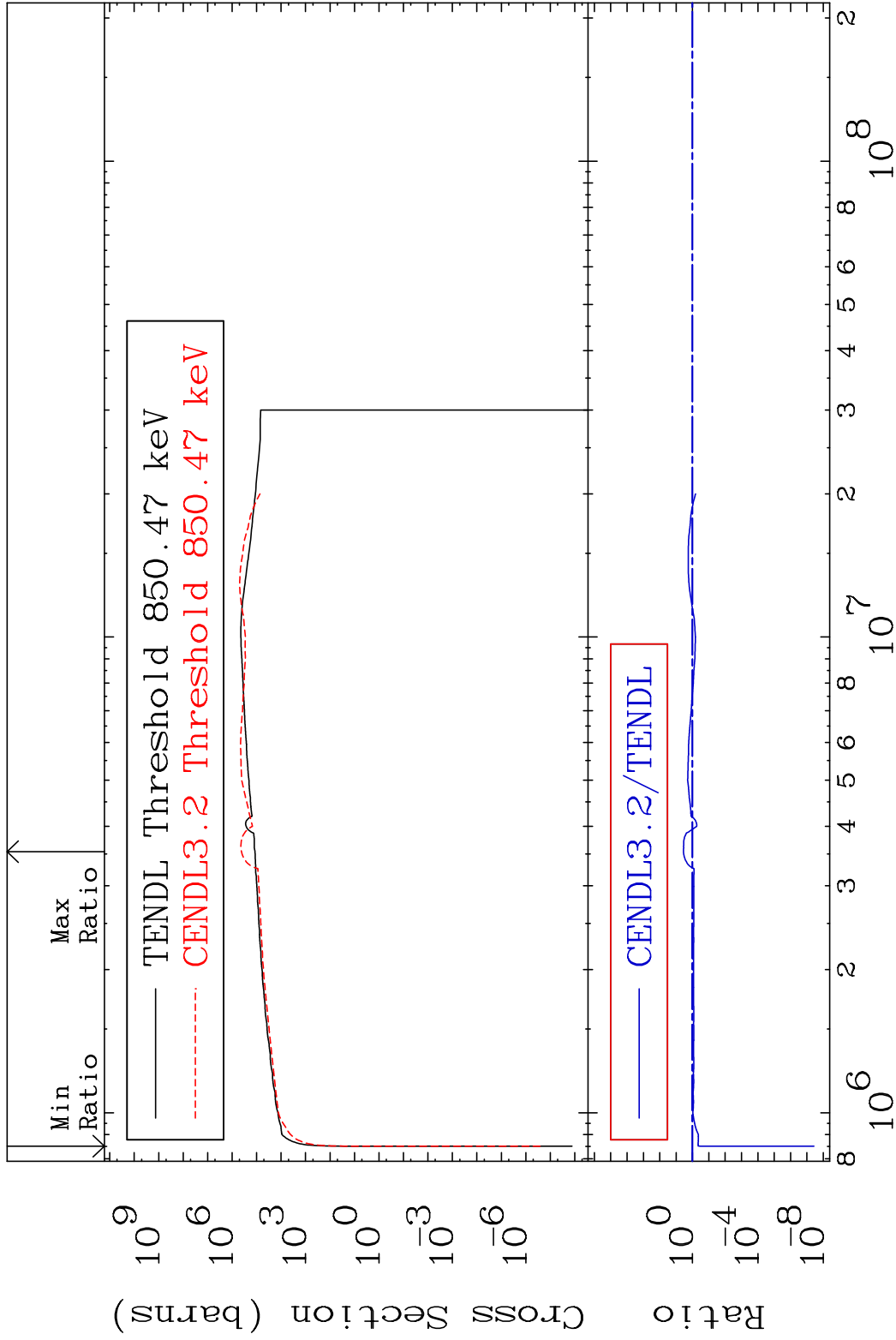
24-Cr-54

MAT 2437 Kerma non-elastic (all but mt2) 24-Cr-54
 Cross Section -99.97 To 9999. %



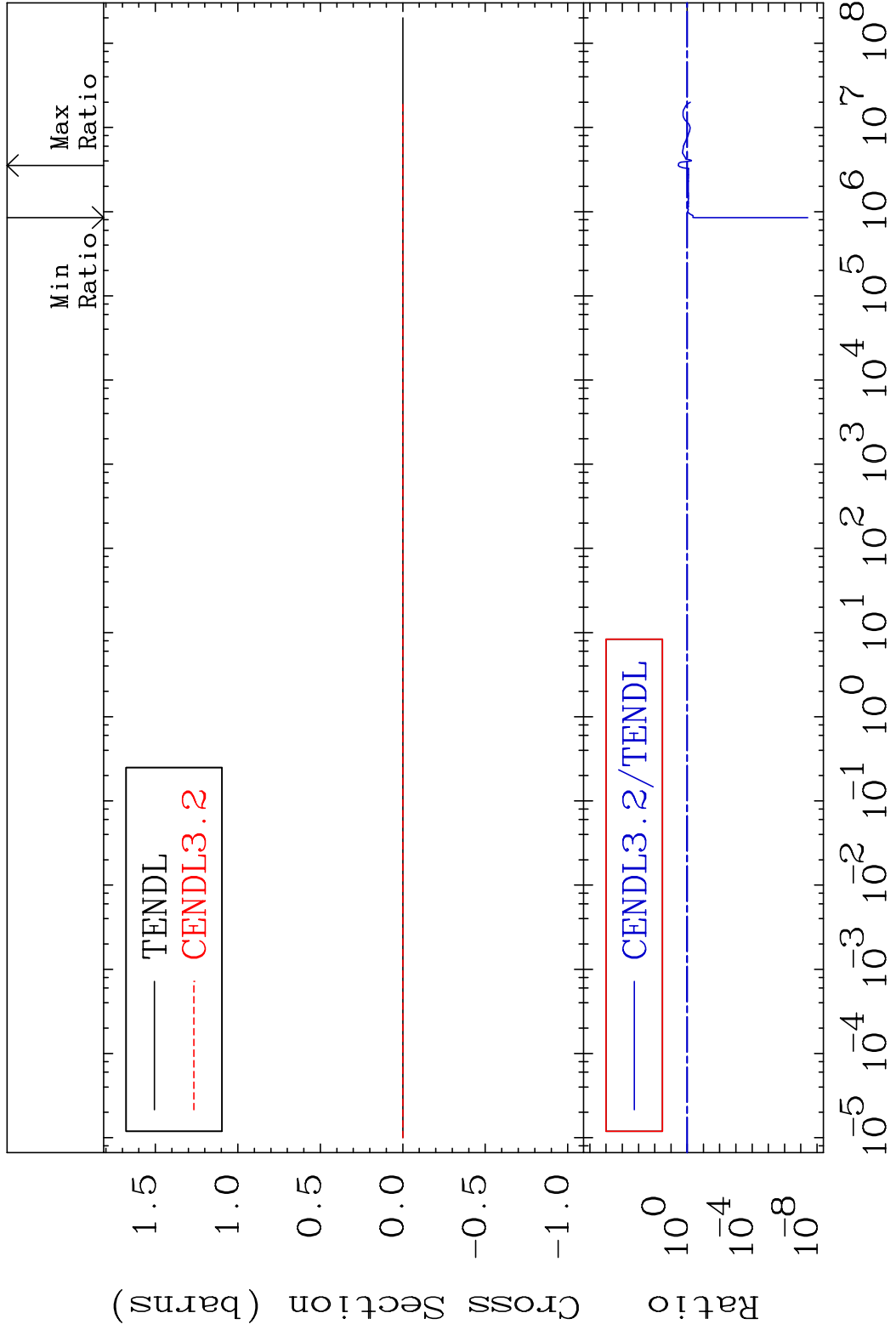
21 Incident Energy (eV) 24-Cr-54

MAT 2437 Kerma inelastic (mt51-91) 24-Cr-54
 Cross Section -100.0 To 255.7 %

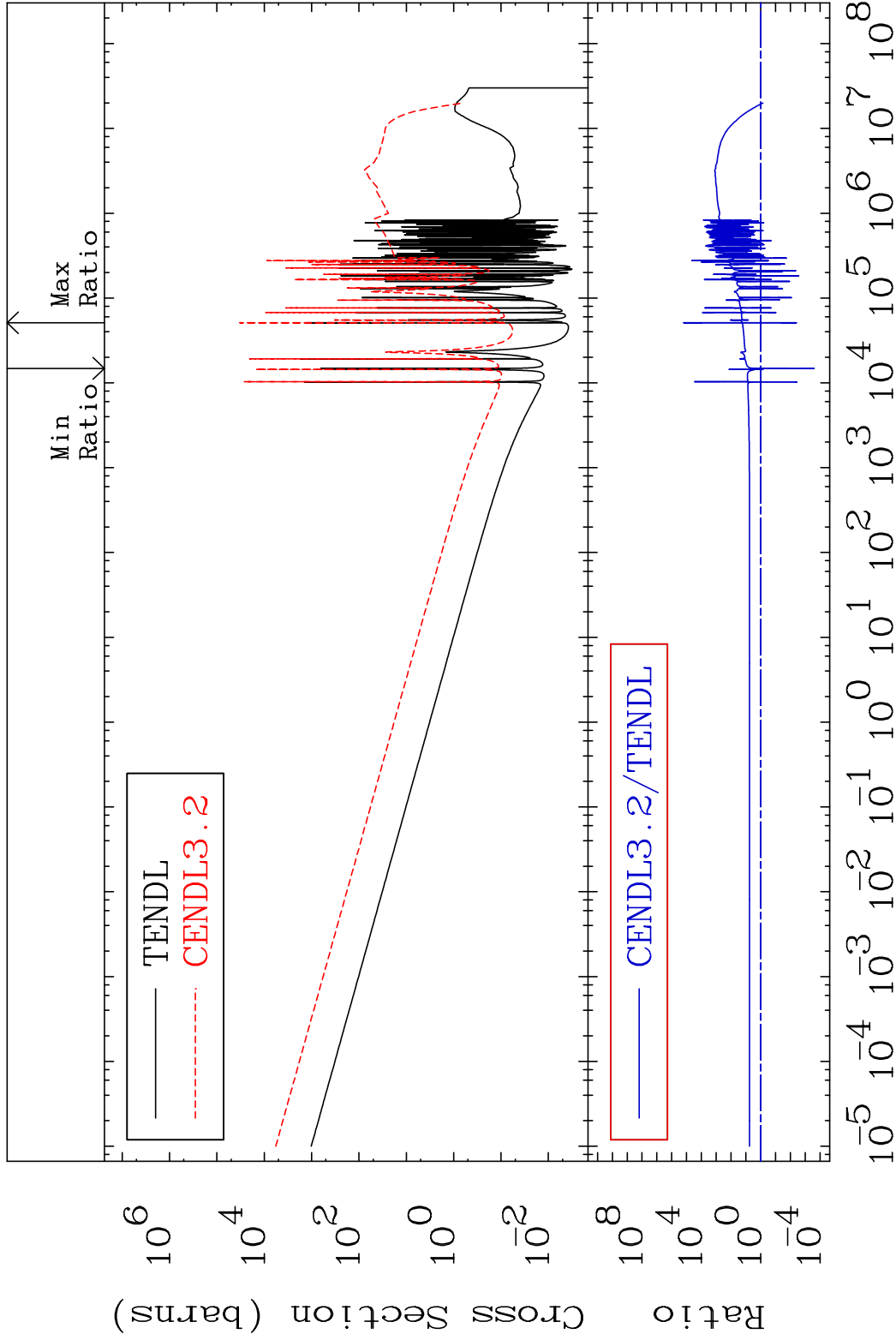


22 Incident Energy (eV) 24-Cr-54

MAT 2437 Kerma fission (mt18 or mt19-20-21-38) 24-Cr-54
 Cross Section -100.0 To 255.7 %

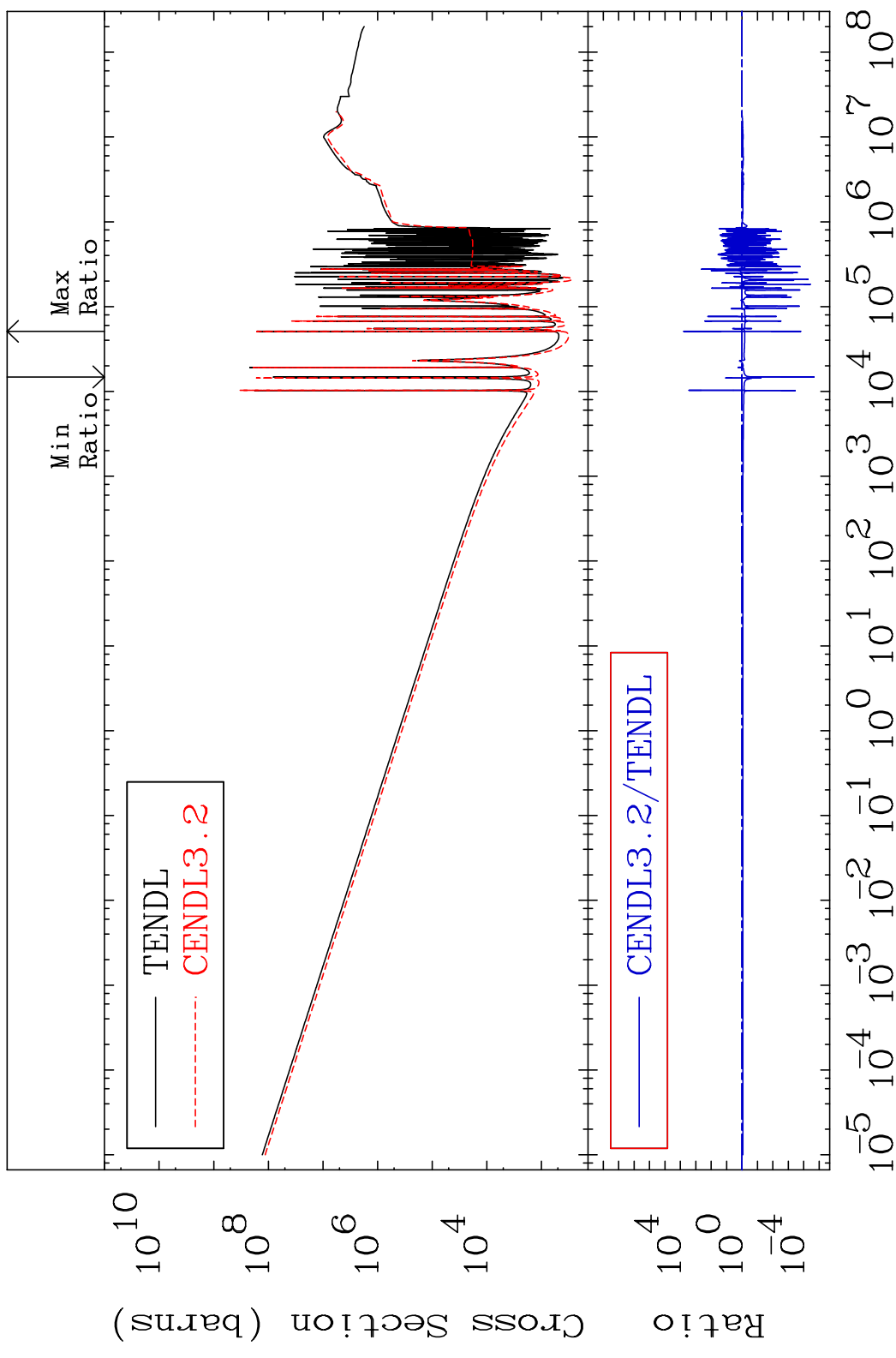


MAT 2437 Kerma capture (mt102) 24-Cr-54
 Cross Section -99.97 To 9999. %



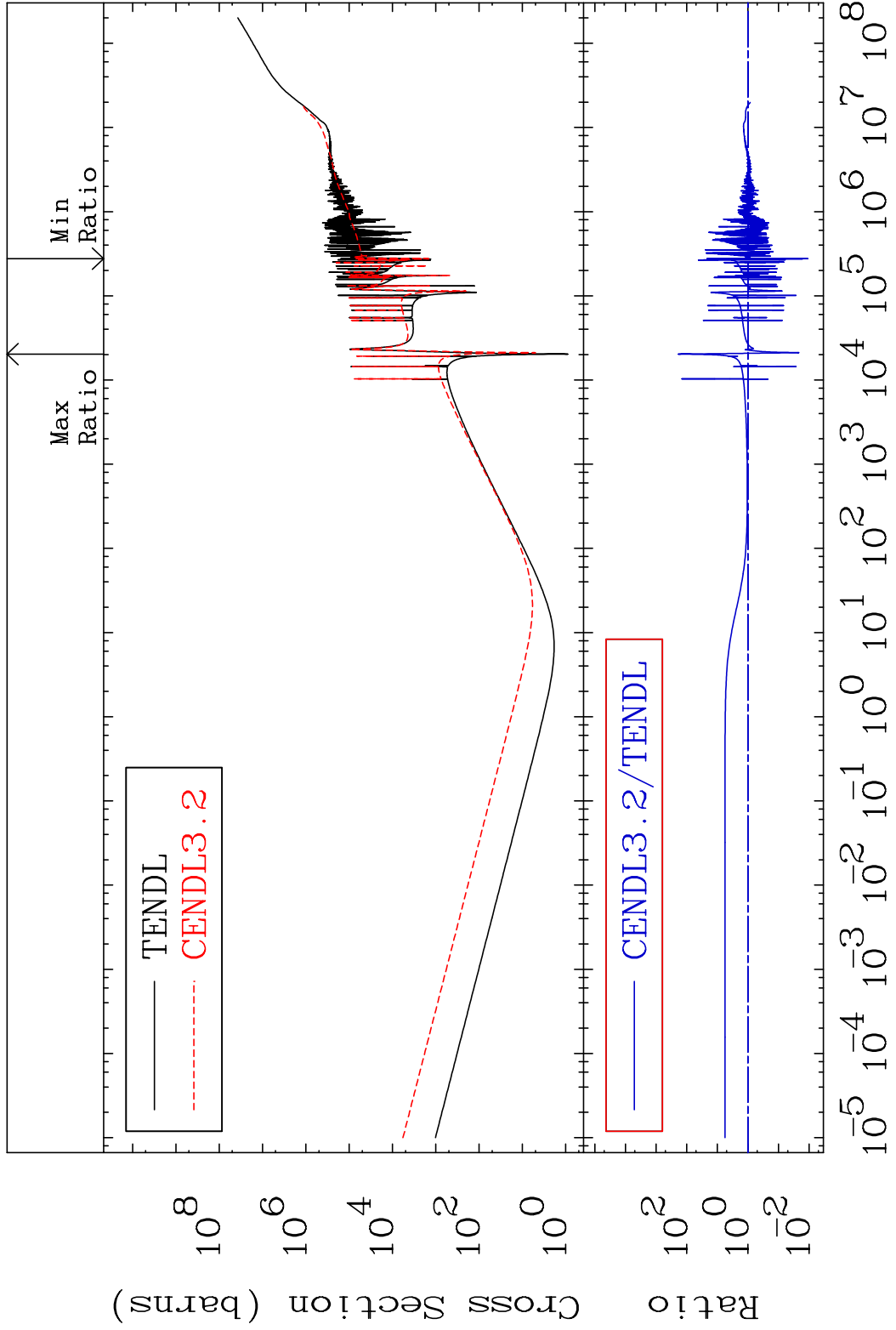
24 Incident Energy (eV) 24-Cr-54

MAT 2437 Total photon (eV-barns) 24-Cr-54
 Cross Section -100.0 To 9999. %

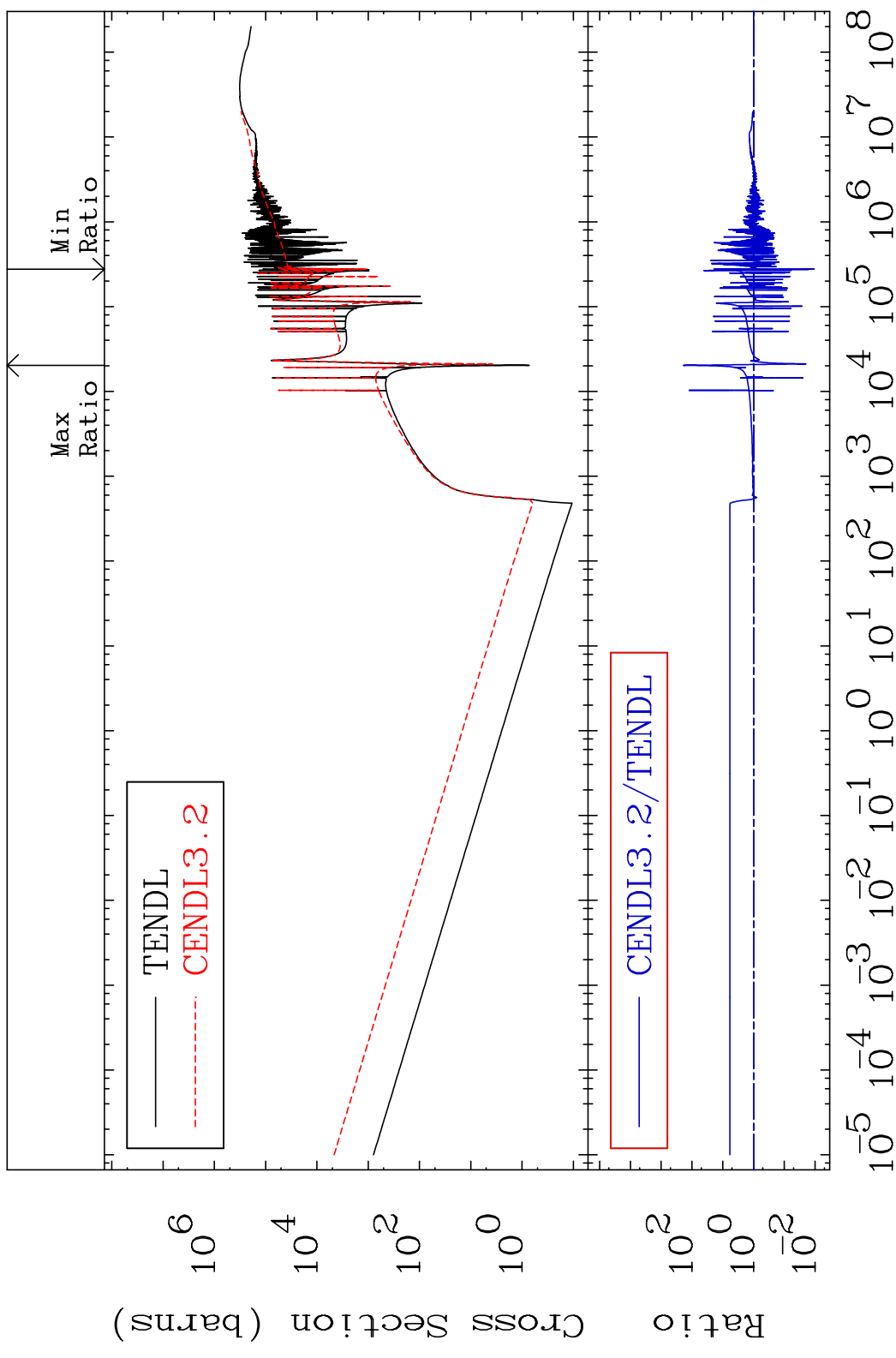


25 Incident Energy (eV) 24-Cr-54

MAT 2437 Total kinematic kerma (high limit) 24-Cr-54
 Cross Section -98.89 To 9999. %

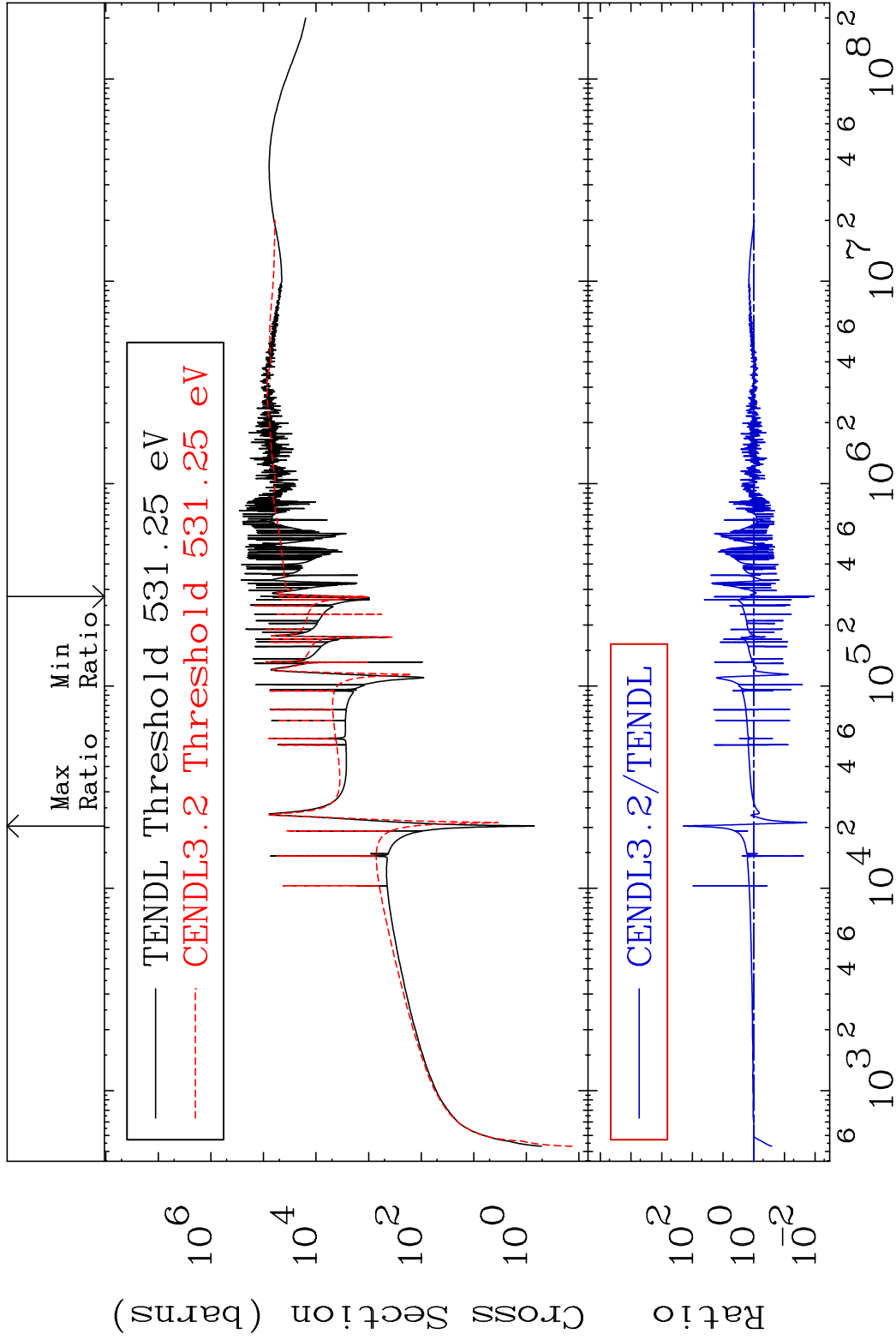


MAT 2437 Dpa total (eV-barns) 24-Cr-54
 Cross Section -98.91 To 9999. %

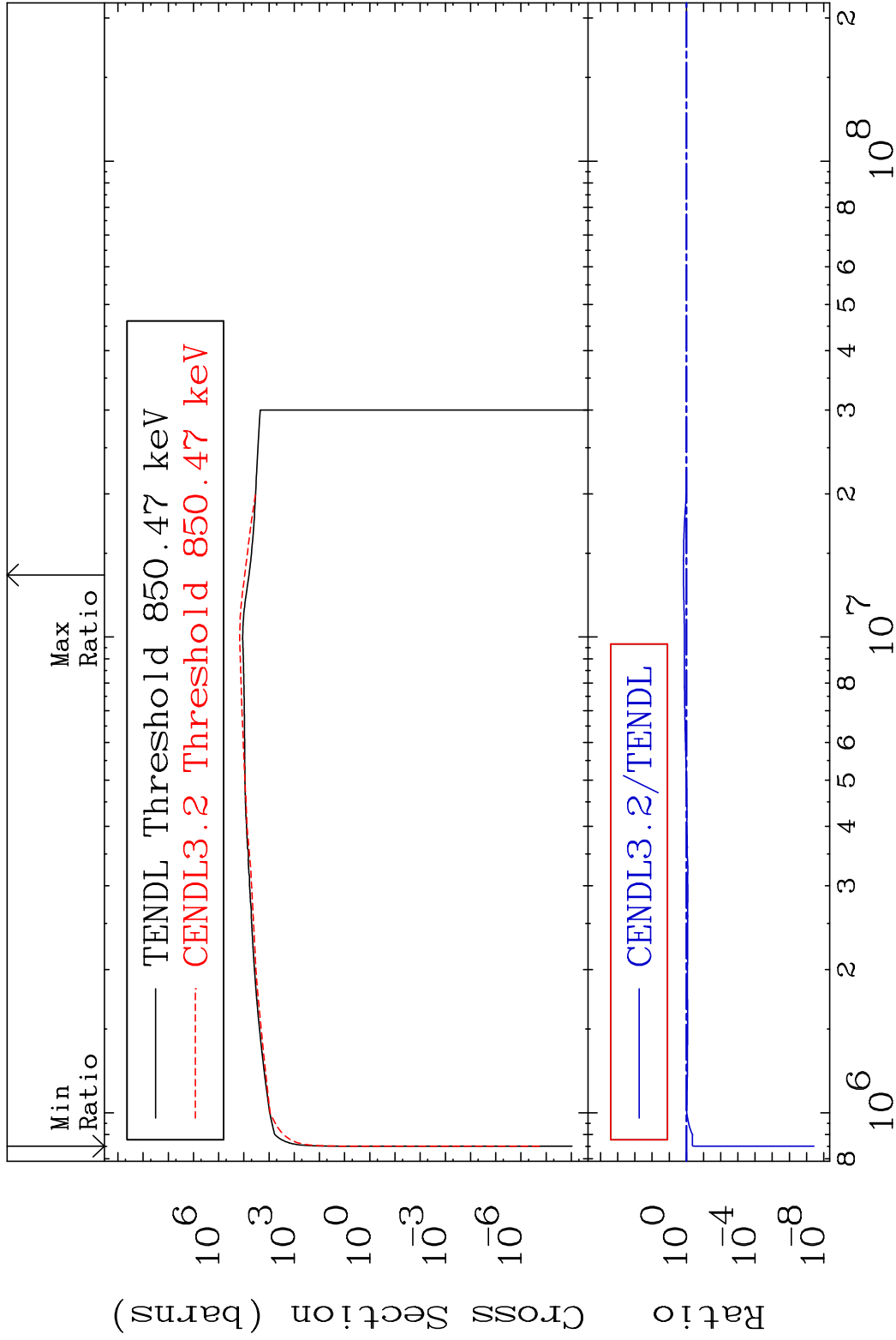


27 Incident Energy (eV) 24-Cr-54

MAT 2437 Dpa elastic (mt2) 24-Cr-54
 Cross Section -98.91 To 9999. %

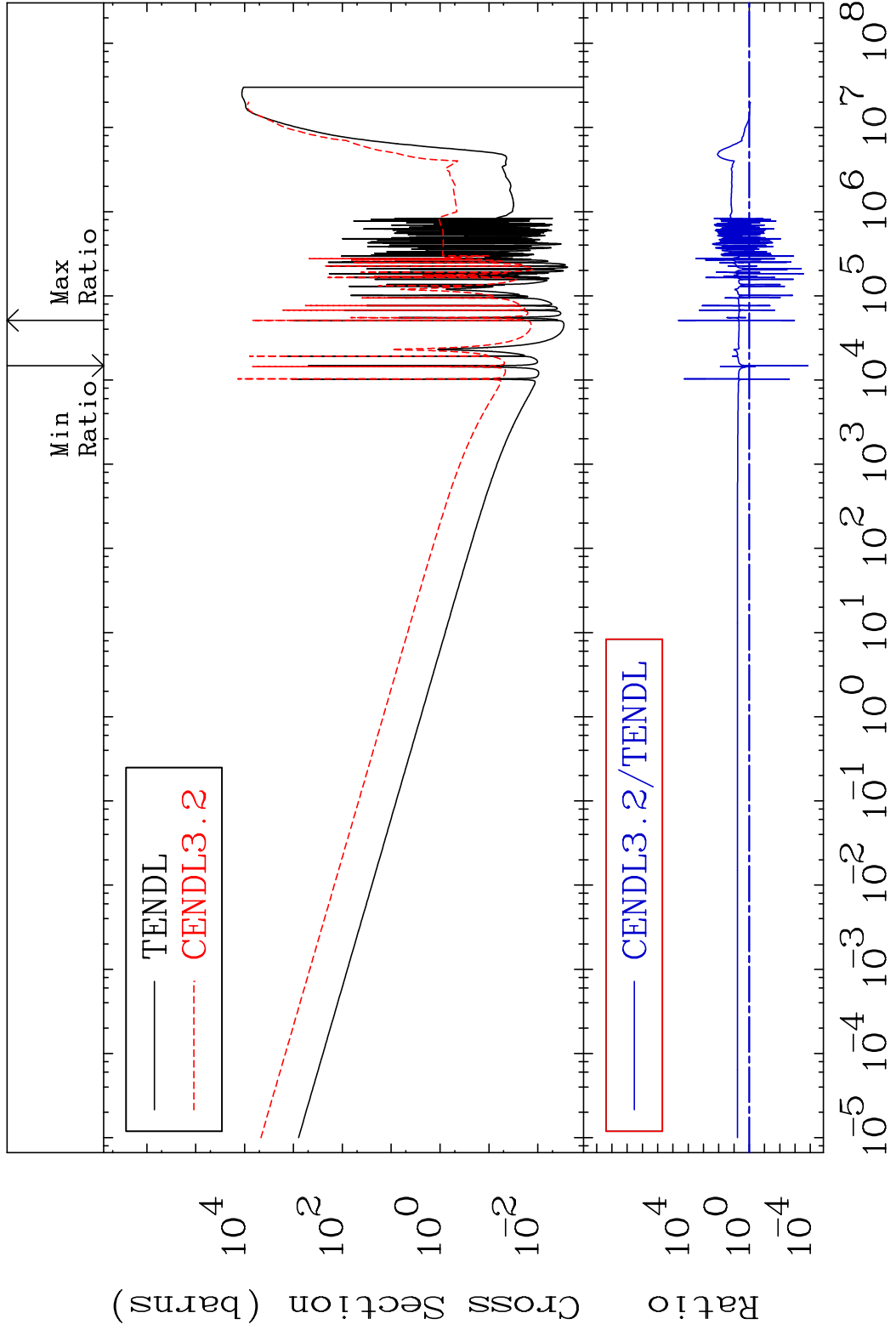


MAT 2437 Dpa inelastic (mt51-91) 24-Cr-54
 Cross Section -100.0 To 48.47 %

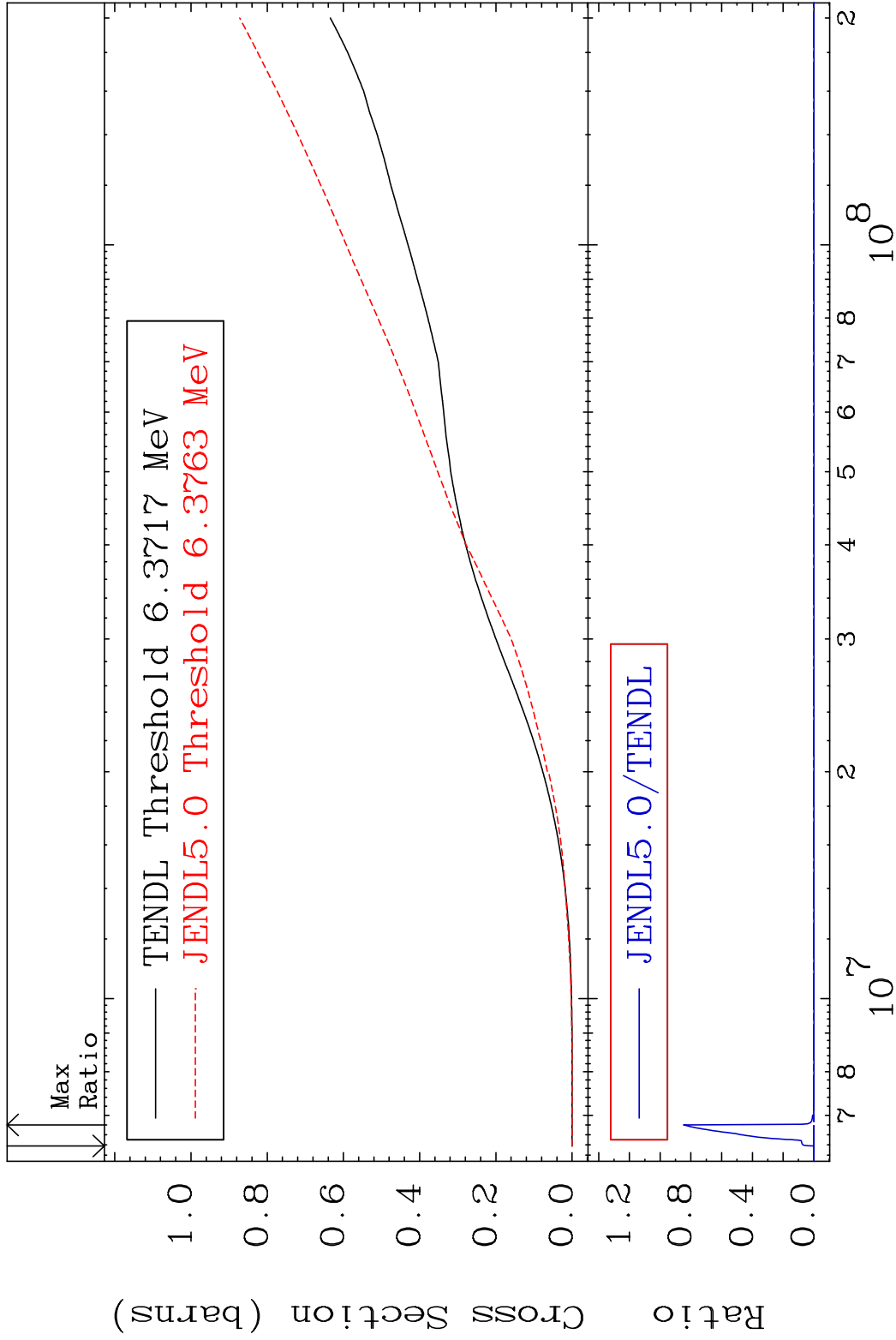


29 Incident Energy (eV) 24-Cr-54

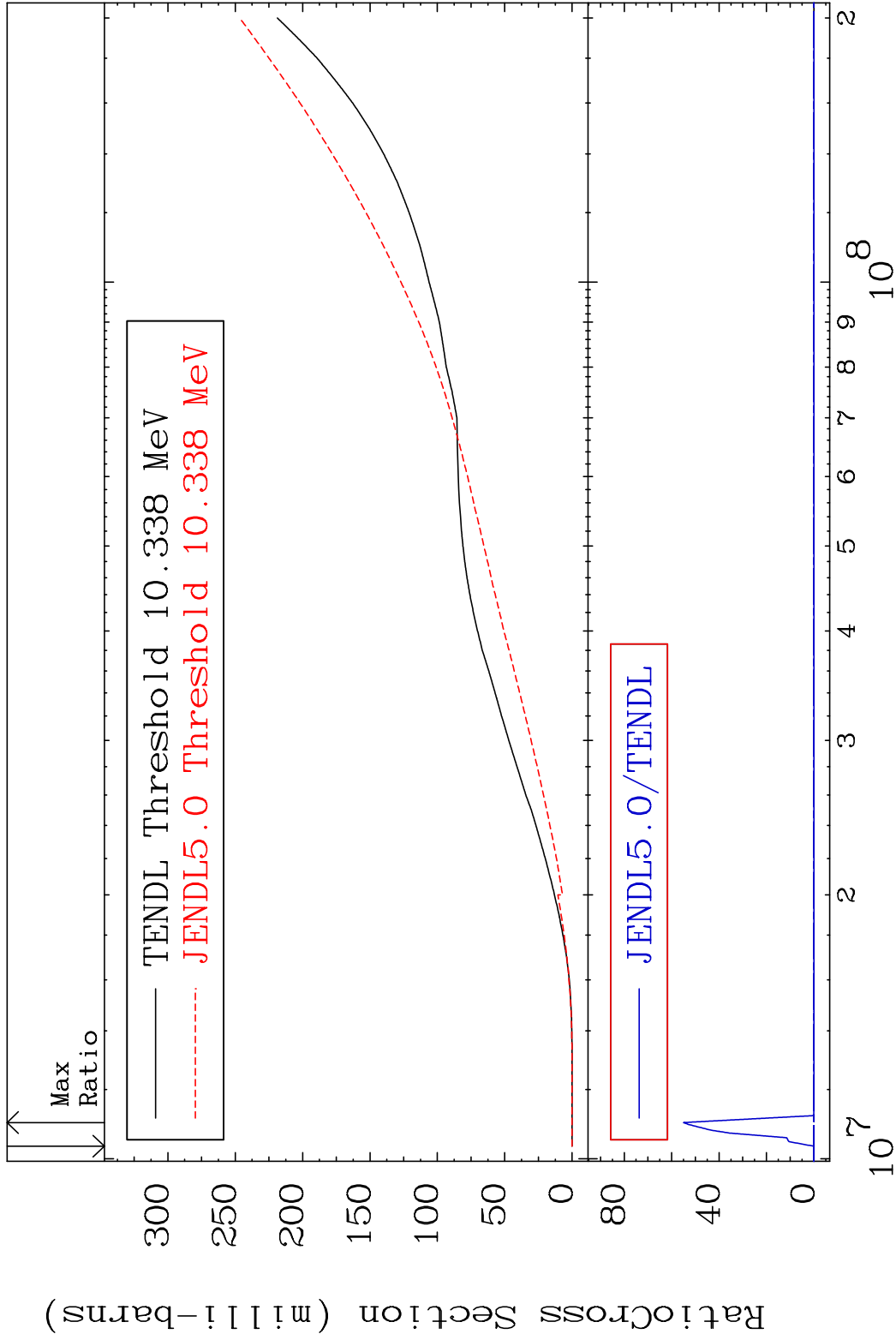
MAT 2437 Dpa disappearance (mt102 -120) 24-Cr-54
 Cross Section -99.99 To 9999. %



MAT 2437 Hydrogen Production 24-Cr-54
 Cross Section -100.0 To 9999. %



MAT 2437 Deuterium Production ²⁴Cr-54
 Cross Section -100.0 To 9999. %



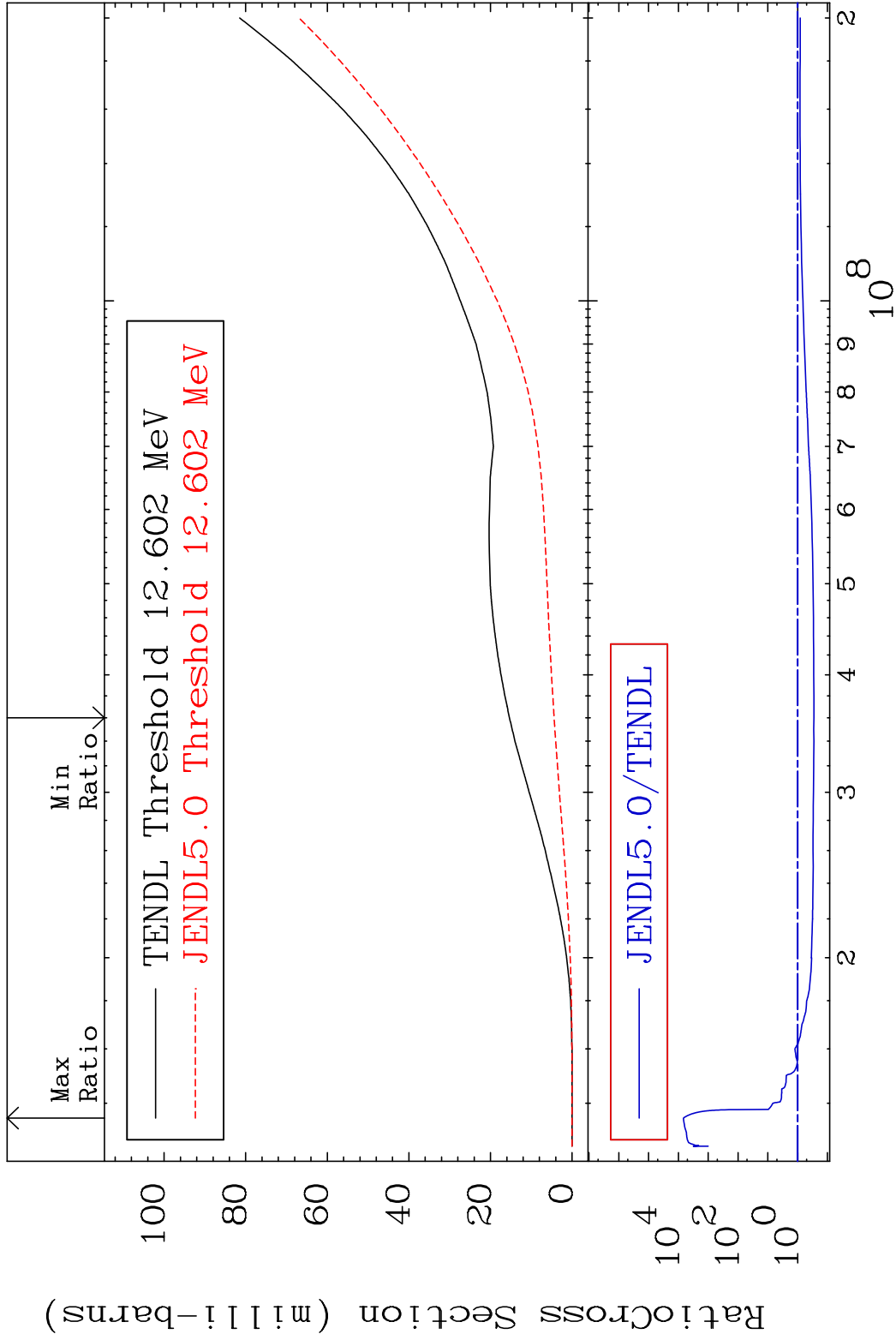
32 24-Cr-54

MAT 2437

Tritium Production

²⁴Cr-54

Cross Section -71.32 To 9999. %



33

Incident Energy (eV)

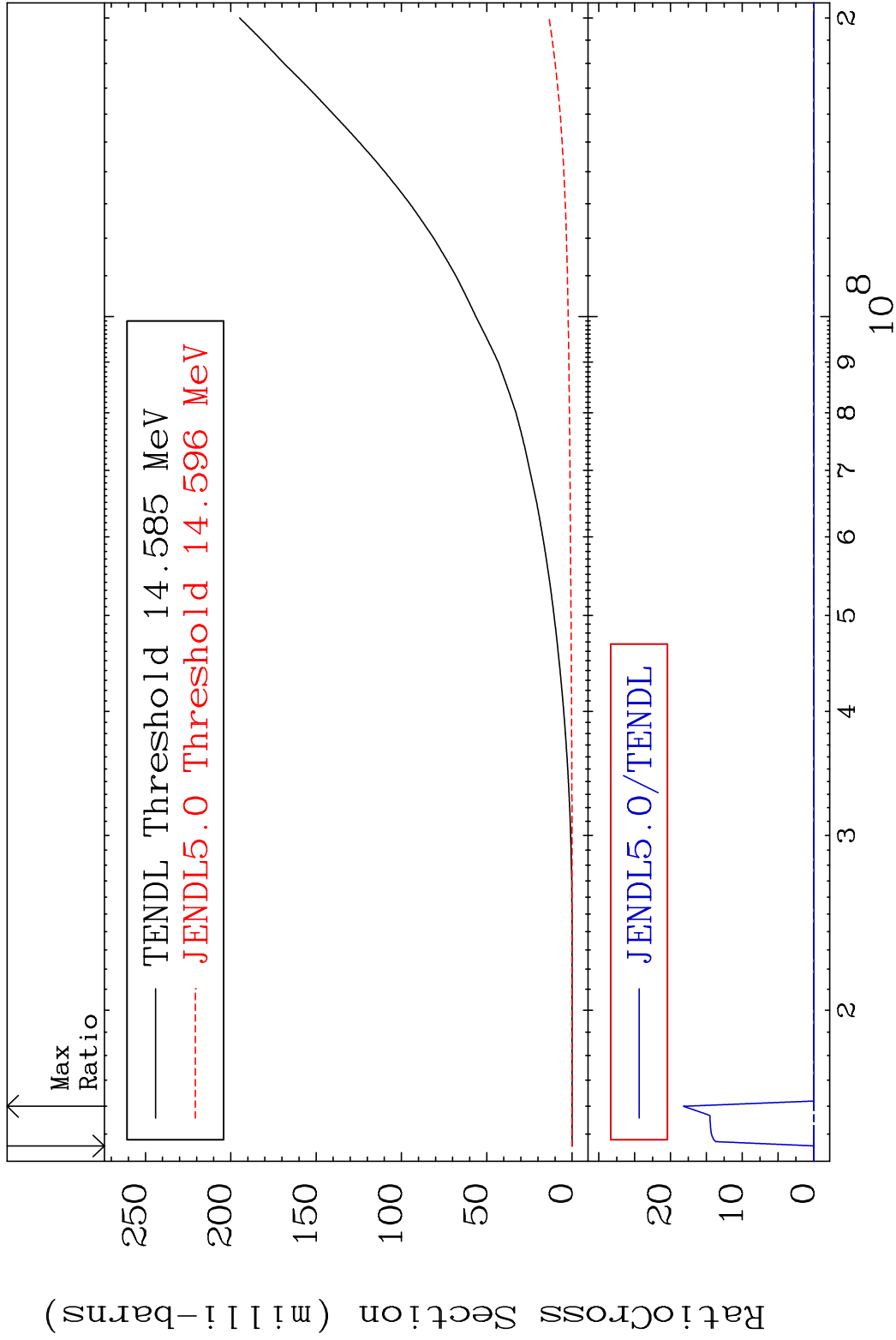
²⁴Cr-54

MAT 2437

He-3 Production

²⁴Cr-54

Cross Section -100.0 To 9999. %

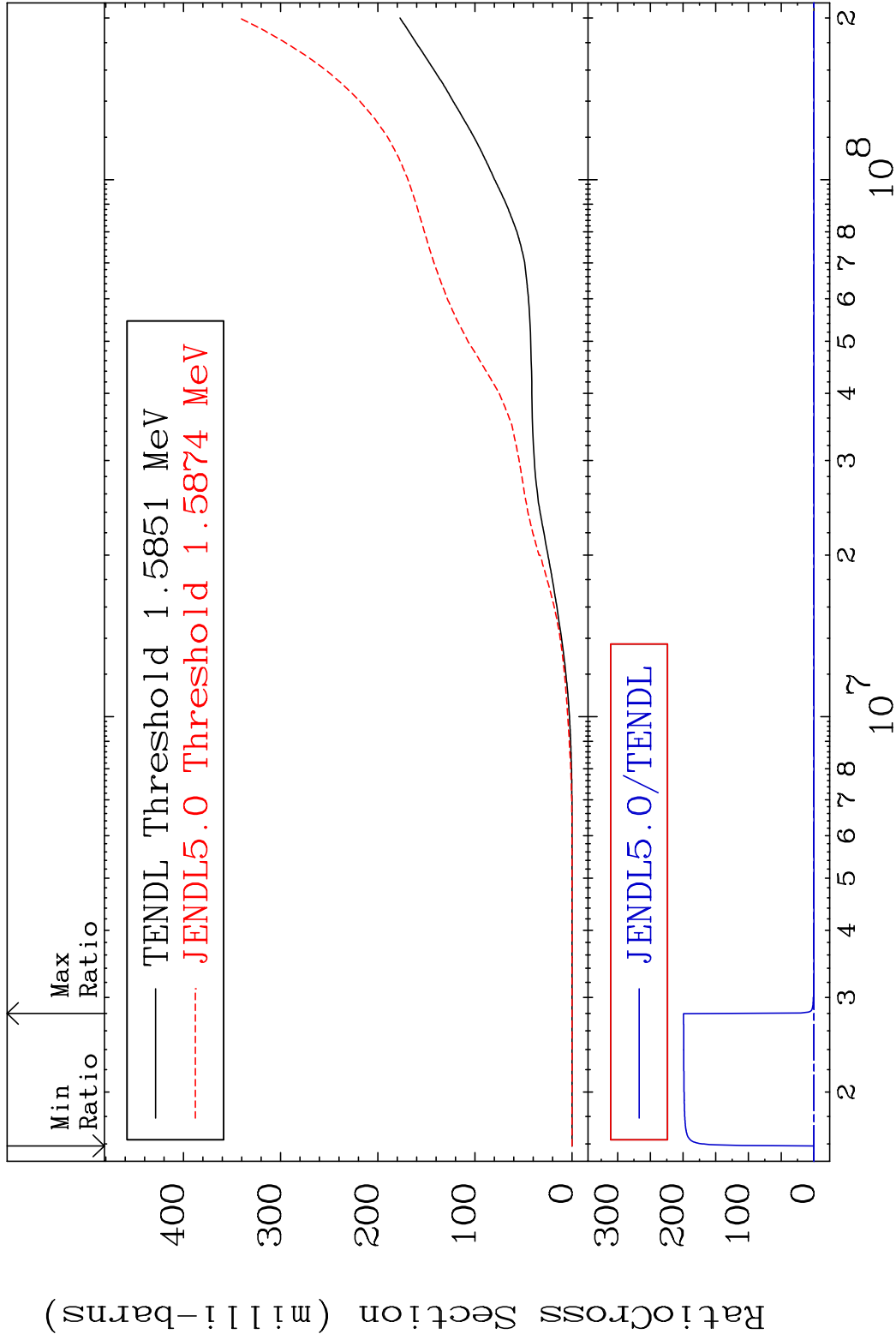


34

Incident Energy (eV)

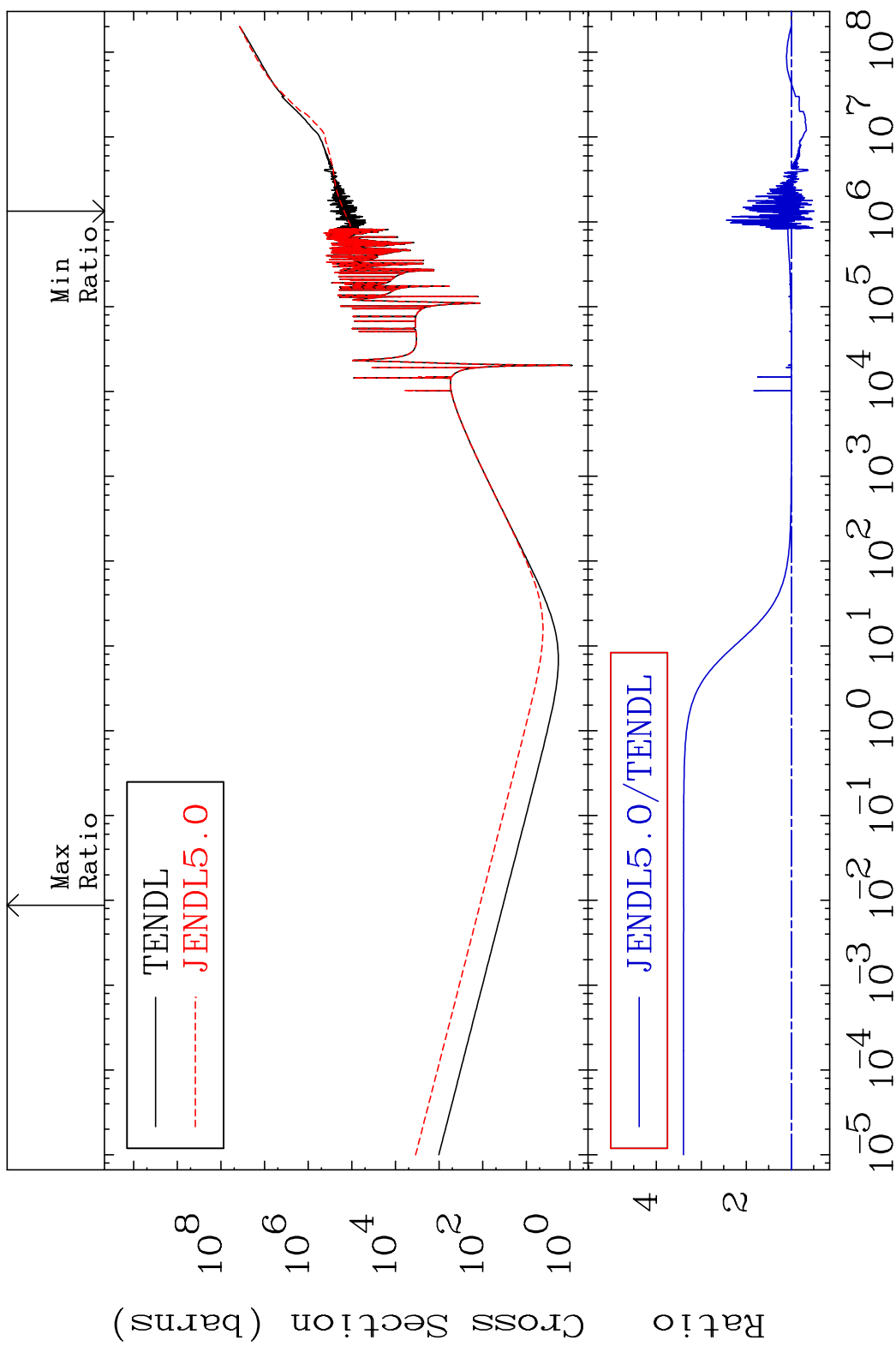
²⁴Cr-54

MAT 2437 He-4 Production 24-Cr-54
 Cross Section -100.0 To 9999. %



35 Incident Energy (eV) 24-Cr-54

MAT 2437 Kerma total (eV-barns) 24-Cr-54
 Cross Section -50.18 To 239.6 %

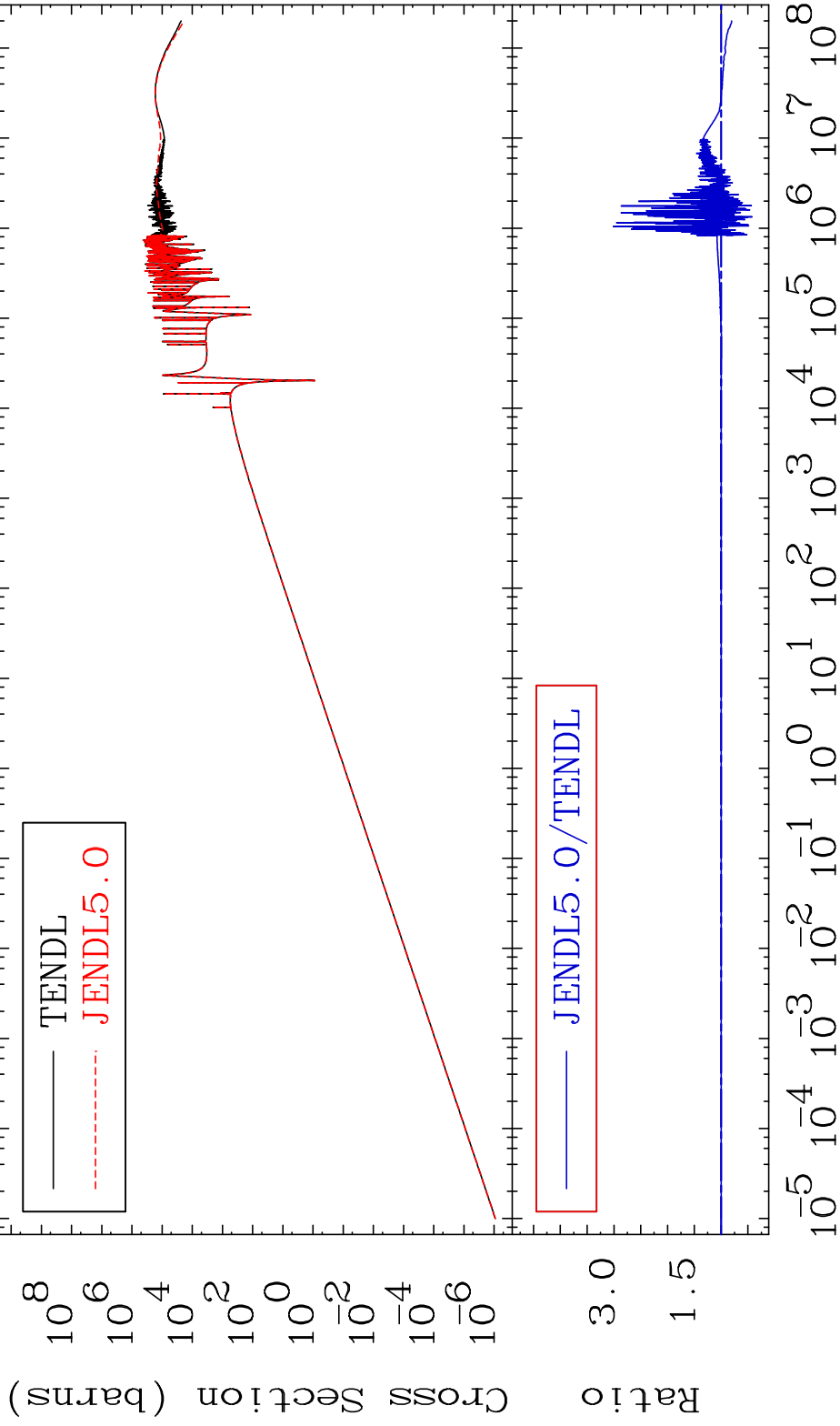


36 Incident Energy (eV) 24-Cr-54

MAT 2437

Kerma elastic
Cross Section

24-Cr-54
-57.46 To 200.8 %

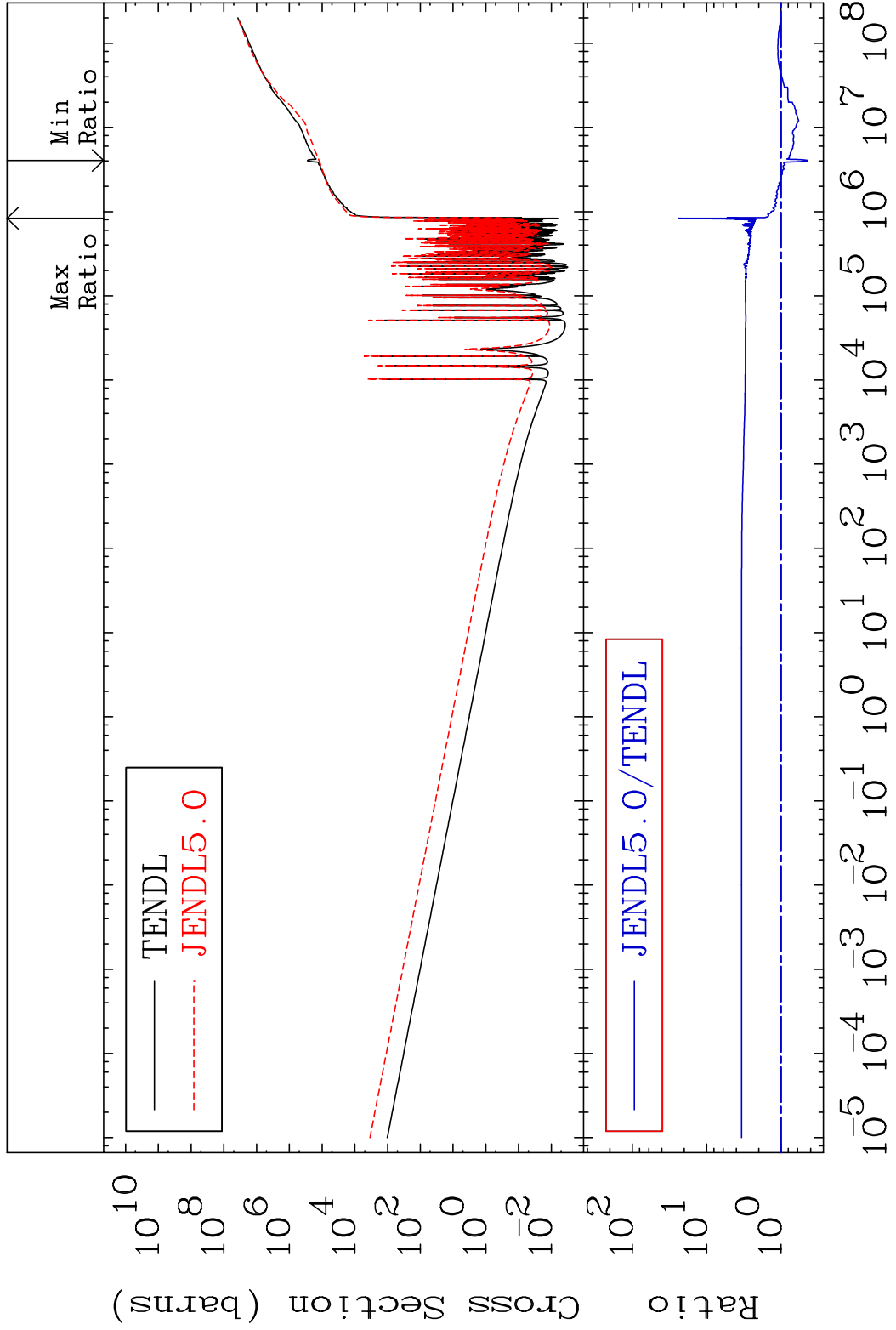


37

Incident Energy (eV)

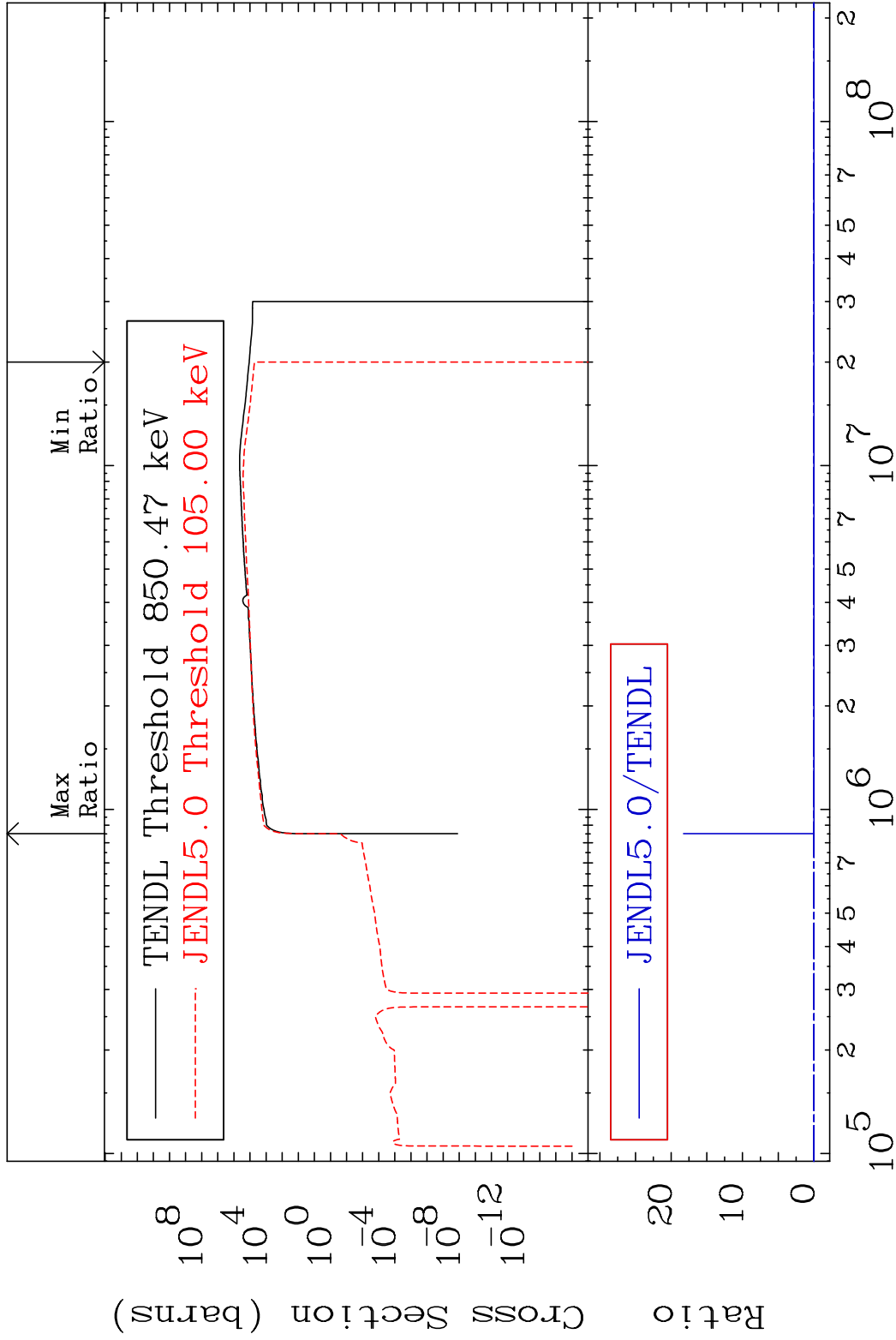
24-Cr-54

MAT 2437 Kerma non-elastic (all but mt2) 24-Cr-54
 Cross Section -56.10 To 2307. %



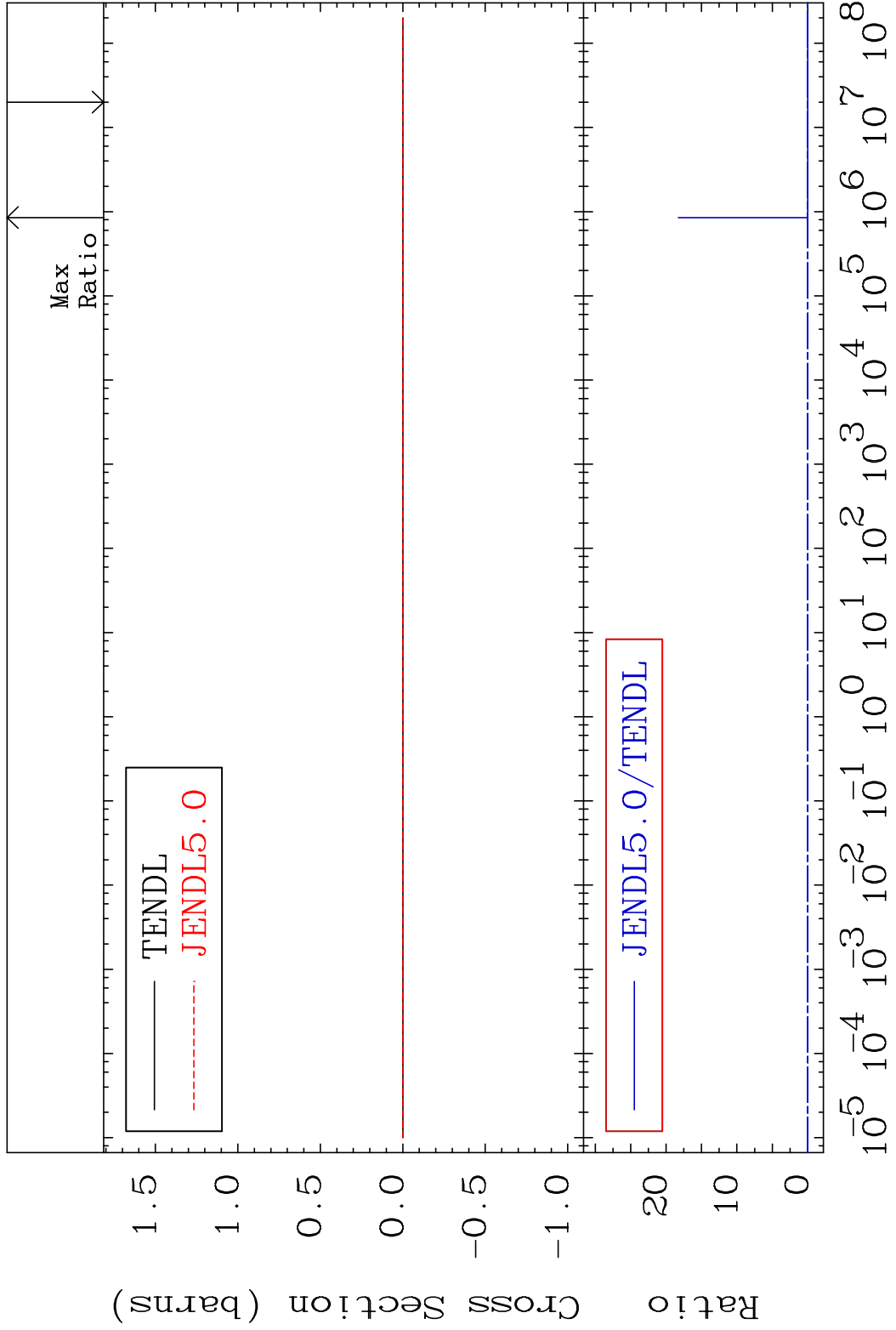
38 Incident Energy (eV) 24-Cr-54

MAT 2437 Kerma inelastic (mt51-91) 24-Cr-54
 Cross Section -100.0 To 9999. %



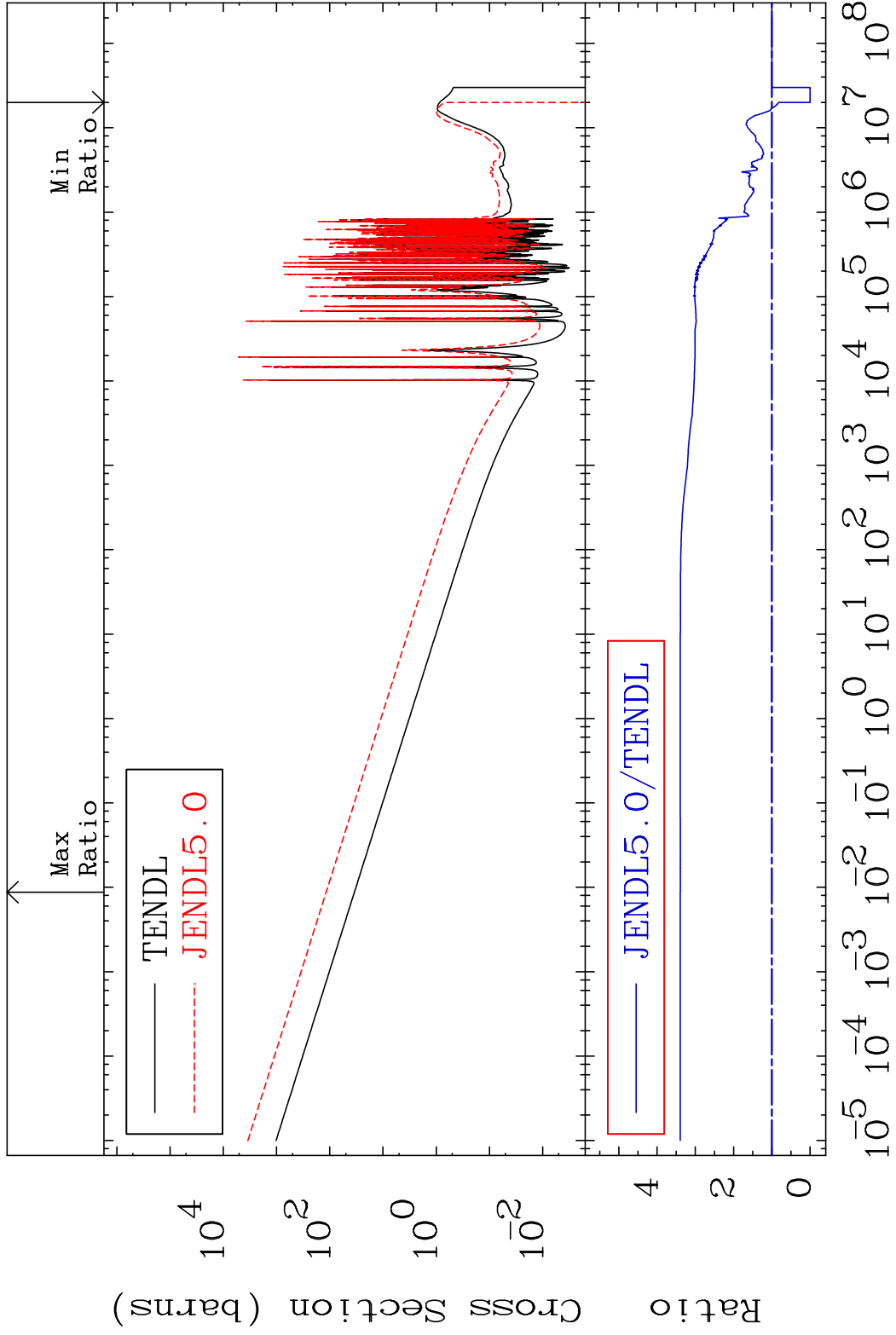
39 Incident Energy (eV) 24-Cr-54

MAT 2437 Kerma fission (mt18 or mt19-20-21-38) 24-Cr-54
 Cross Section -100.0 To 9999. %



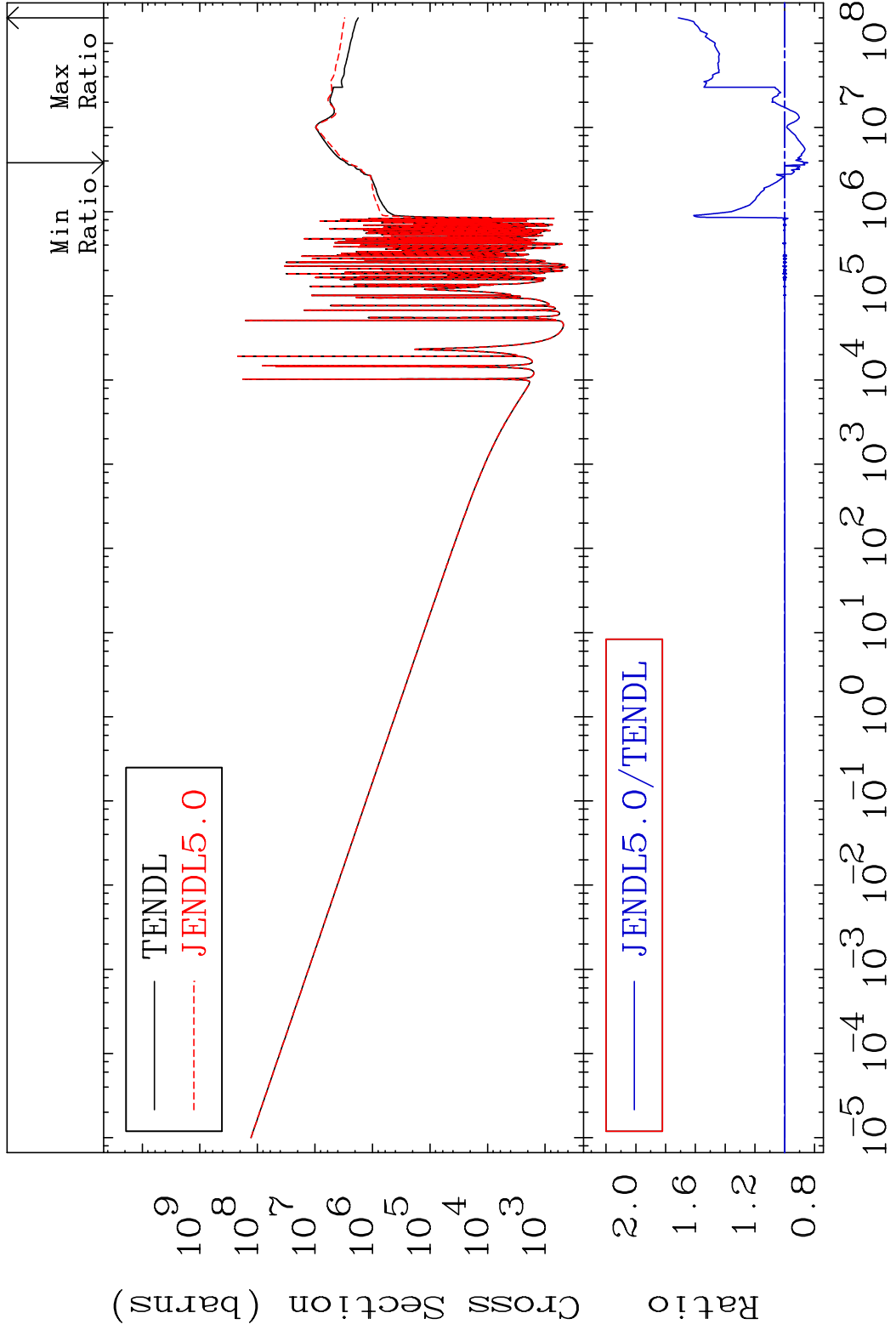
40 Incident Energy (eV) 24-Cr-54

MAT 2437 Kerma capture (mt102) 24-Cr-54
 Cross Section -100.0 To 239.6 %



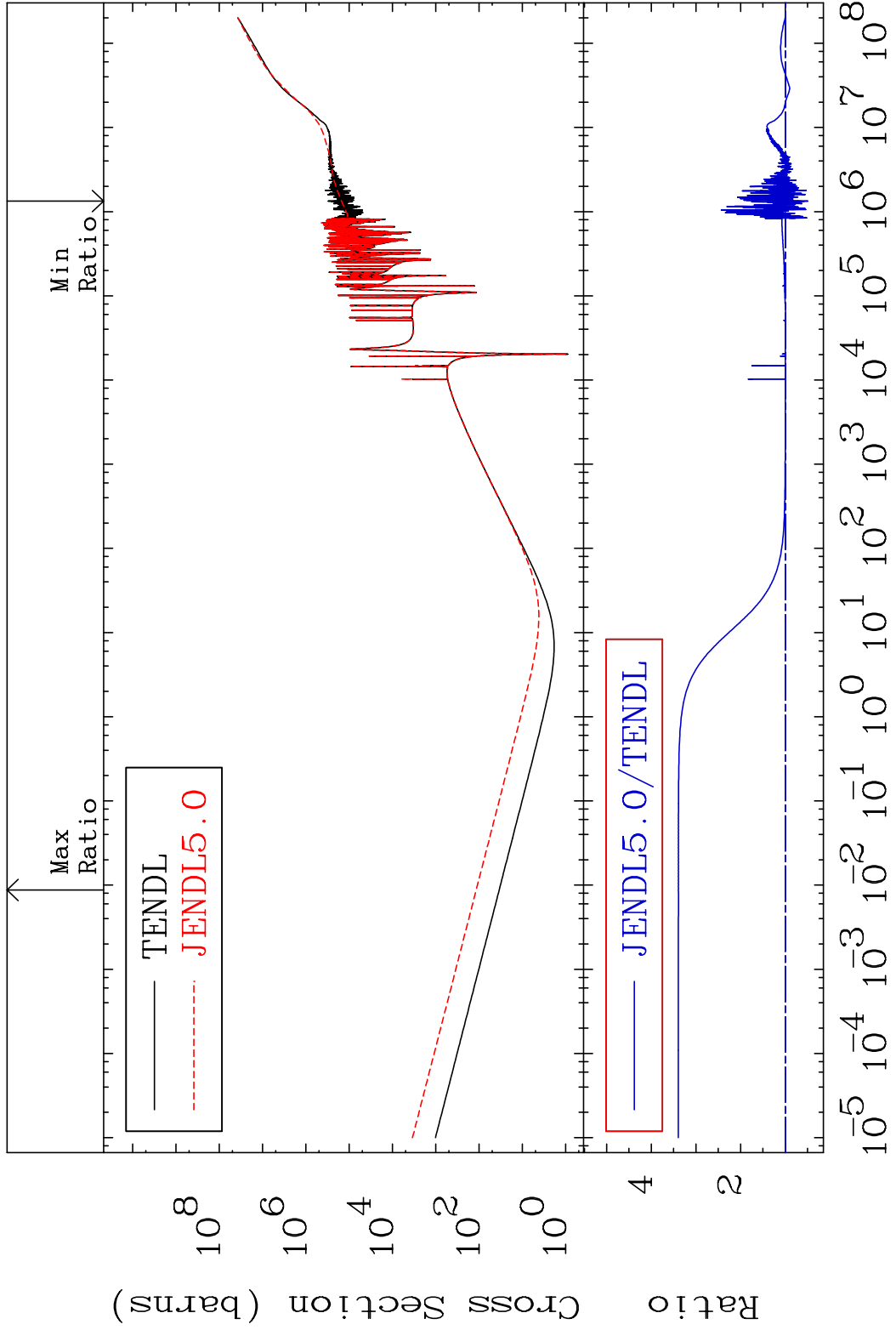
41 Incident Energy (eV) 24-Cr-54

MAT 2437 Total photon (eV-barns) 24-Cr-54
 Cross Section -15.45 To 71.49 %

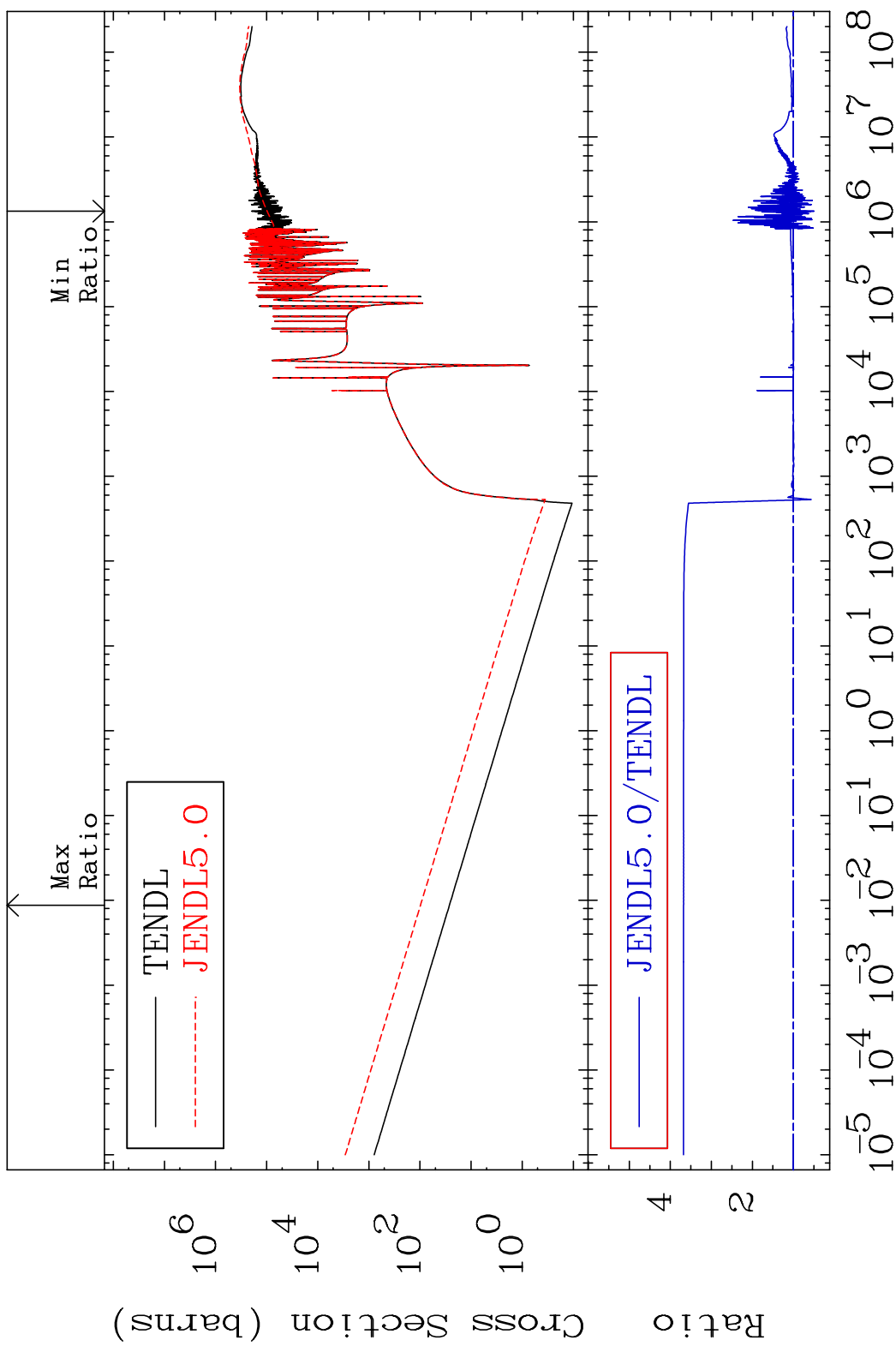


42 Incident Energy (eV) 24-Cr-54

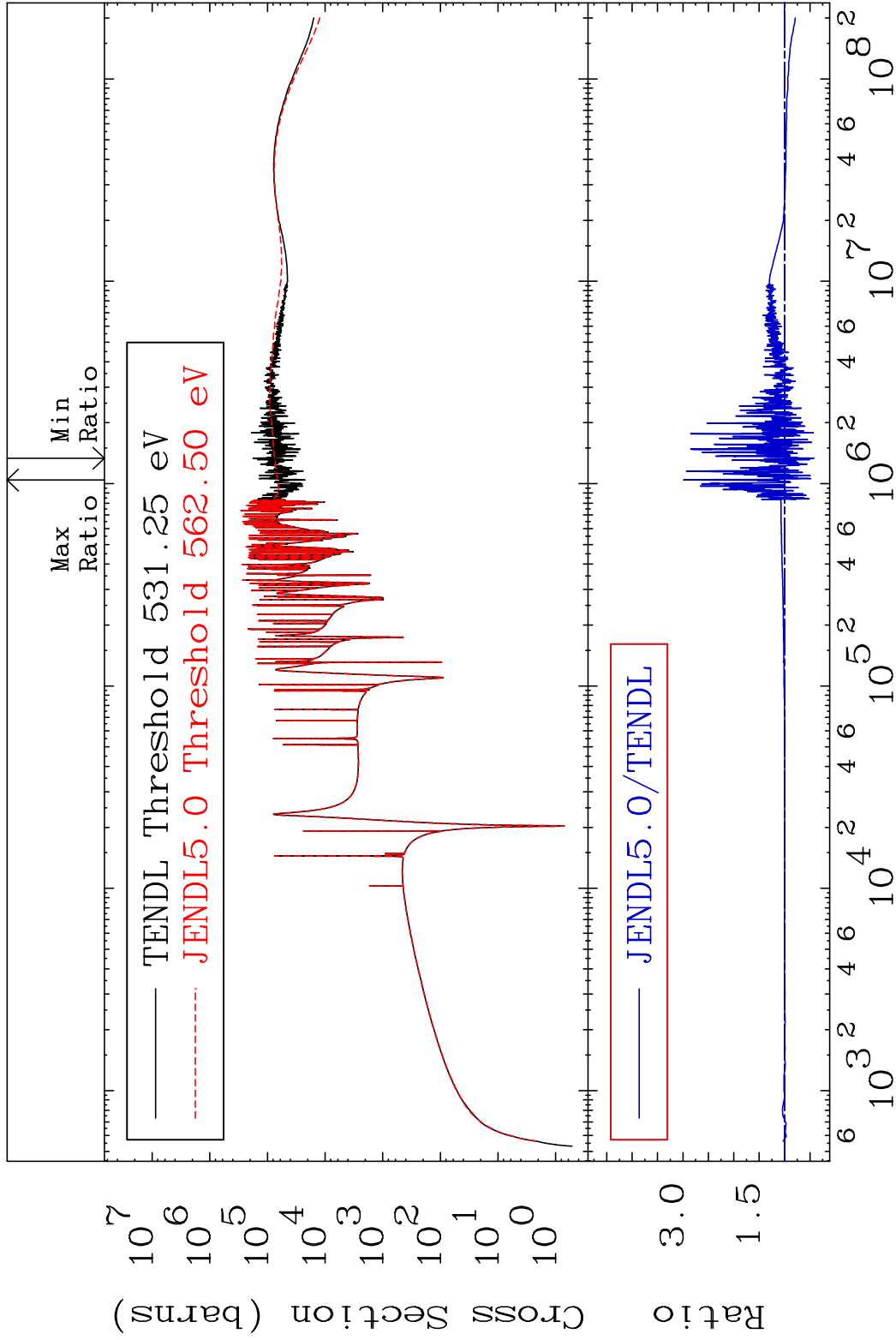
MAT 2437 Total kinematic kerma (high limit) 24-Cr-54
Cross Section -50.24 To 239.6 %



MAT 2437 Dpa total (eV-barns) 24-Cr-54
 Cross Section -49.89 To 268.0 %

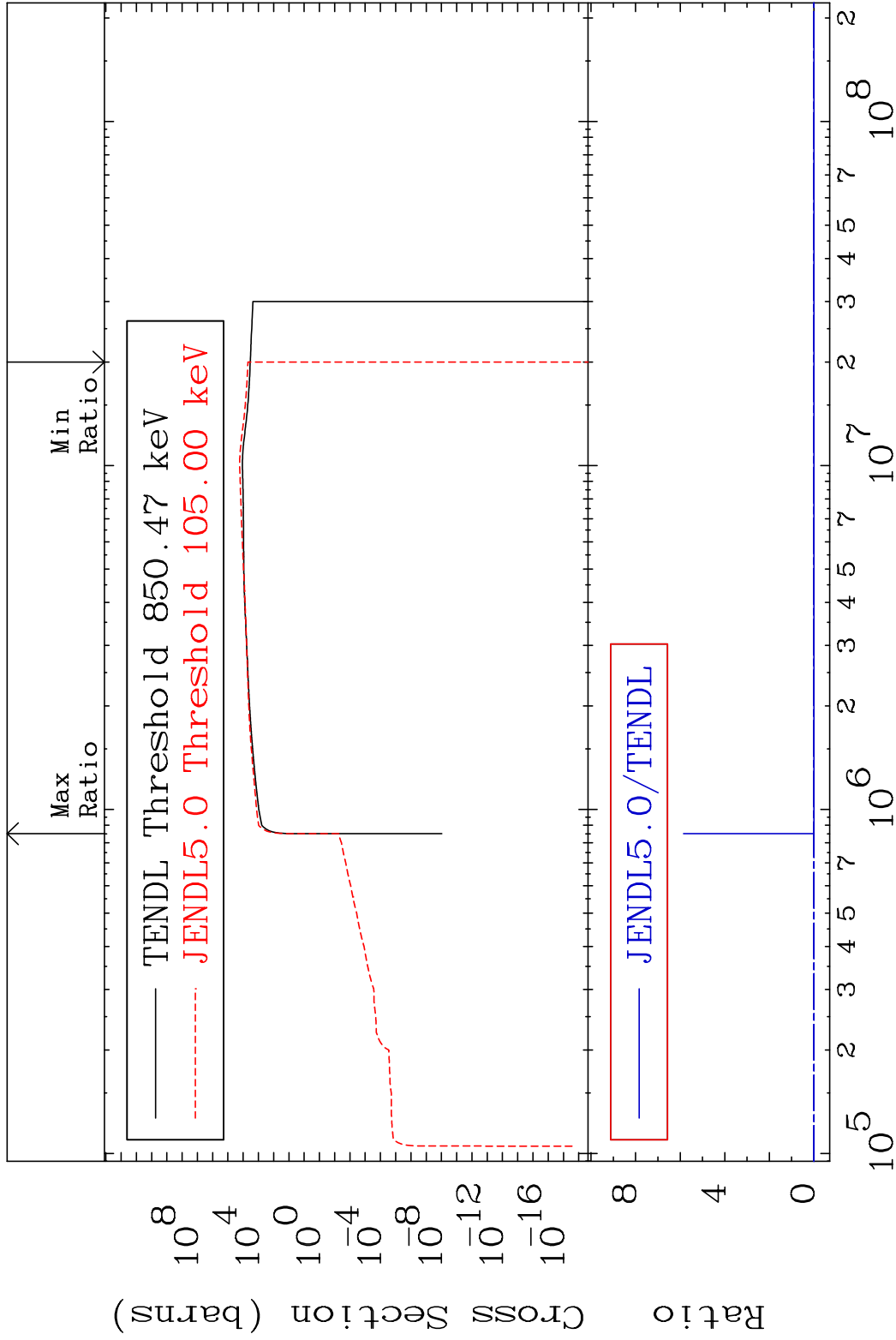


MAT 2437 Dpa elastic (mt2) 24-Cr-54
 Cross Section -57.72 To 199.0 %



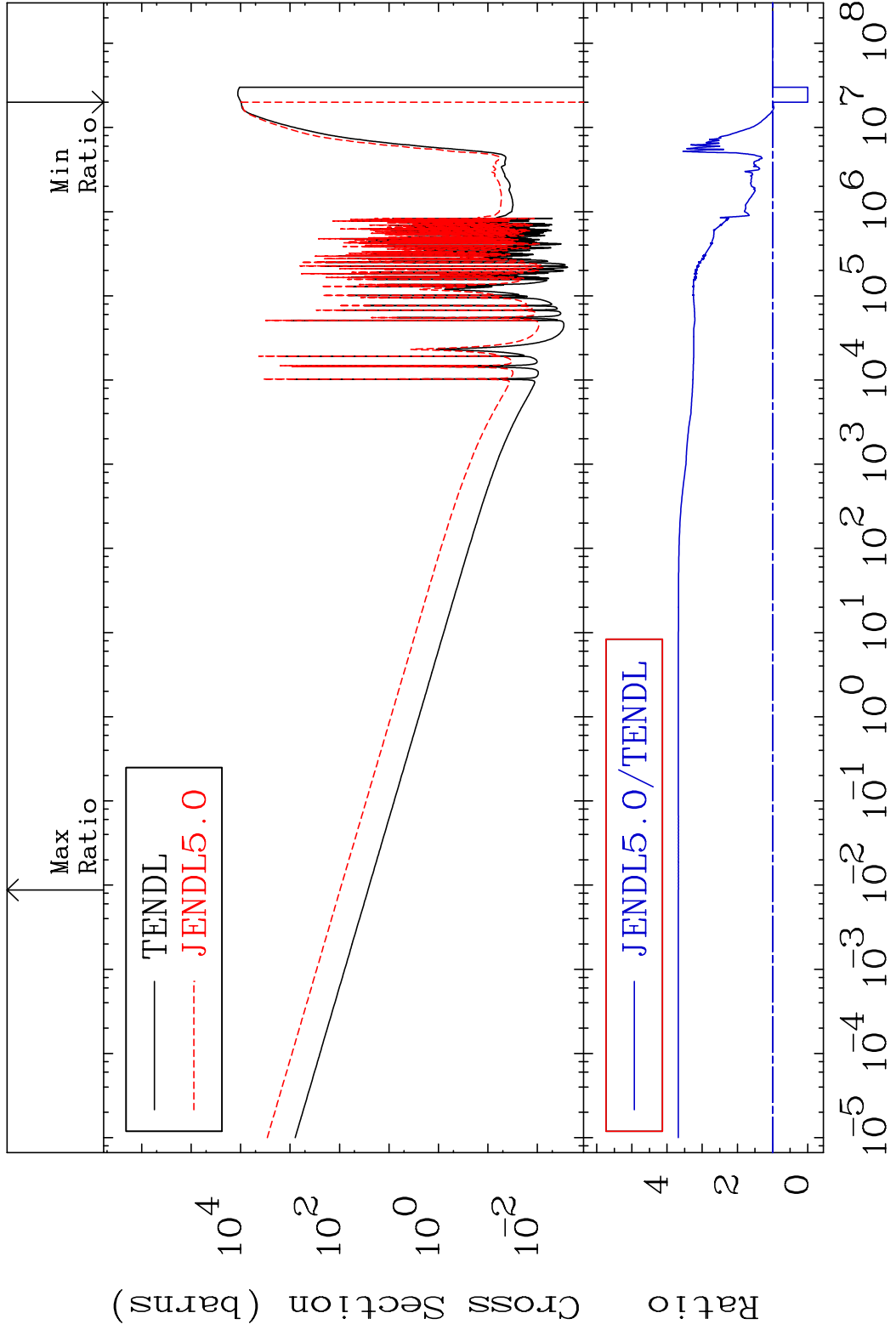
45 Incident Energy (eV) 24-Cr-54

MAT 2437 Dpa inelastic (mt51-91) 24-Cr-54
 Cross Section -100.0 To 9999. %



46 Incident Energy (eV) 24-Cr-54

MAT 2437 Dpa disappearance (mt102 -120) 24-Cr-54
 Cross Section -100.0 To 268.0 %



47 Incident Energy (eV) 24-Cr-54