

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

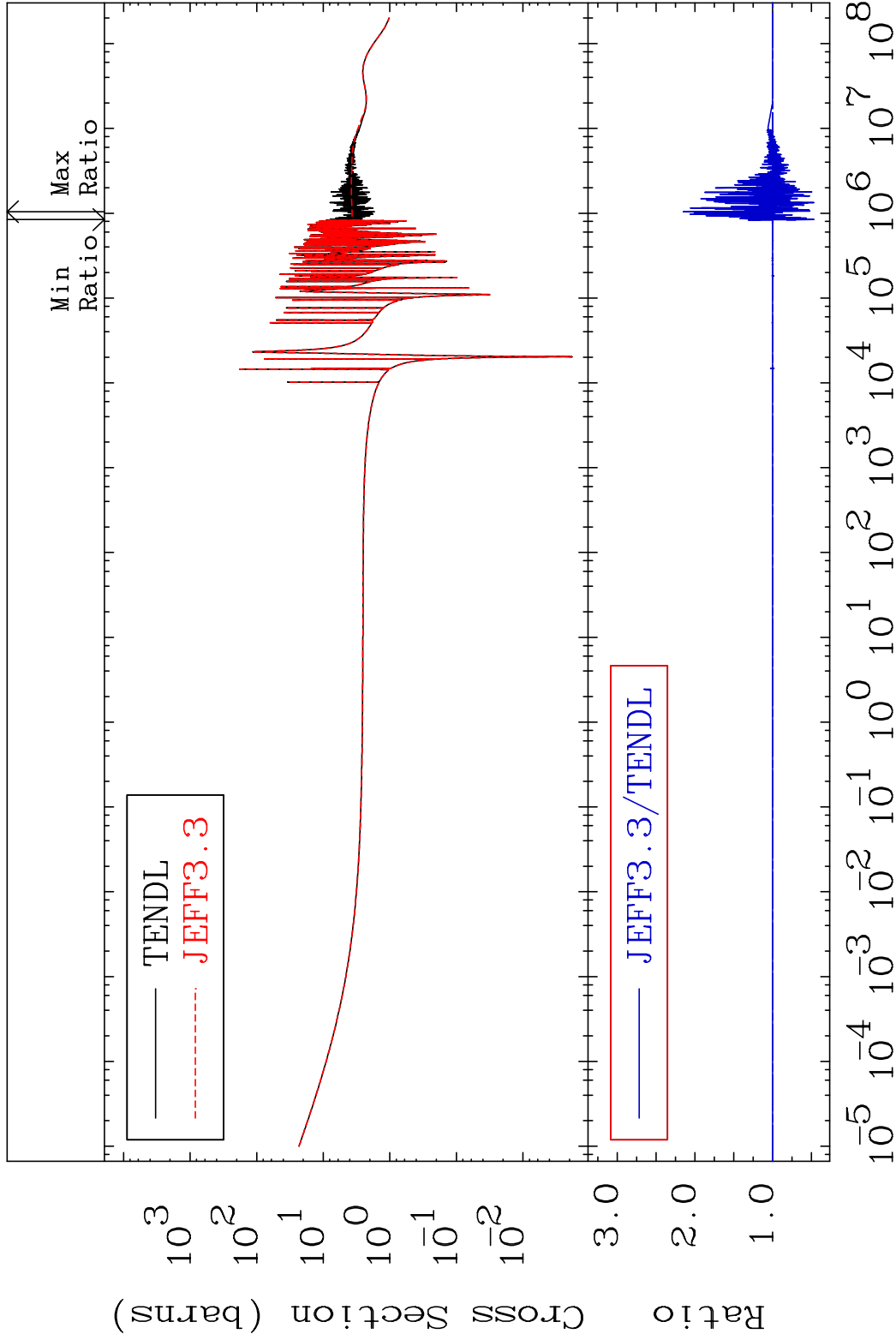
MAT 2437

Total

24-Cr-54

Cross Section

-53.14 To 114.7 %



1

Incident Energy (eV)

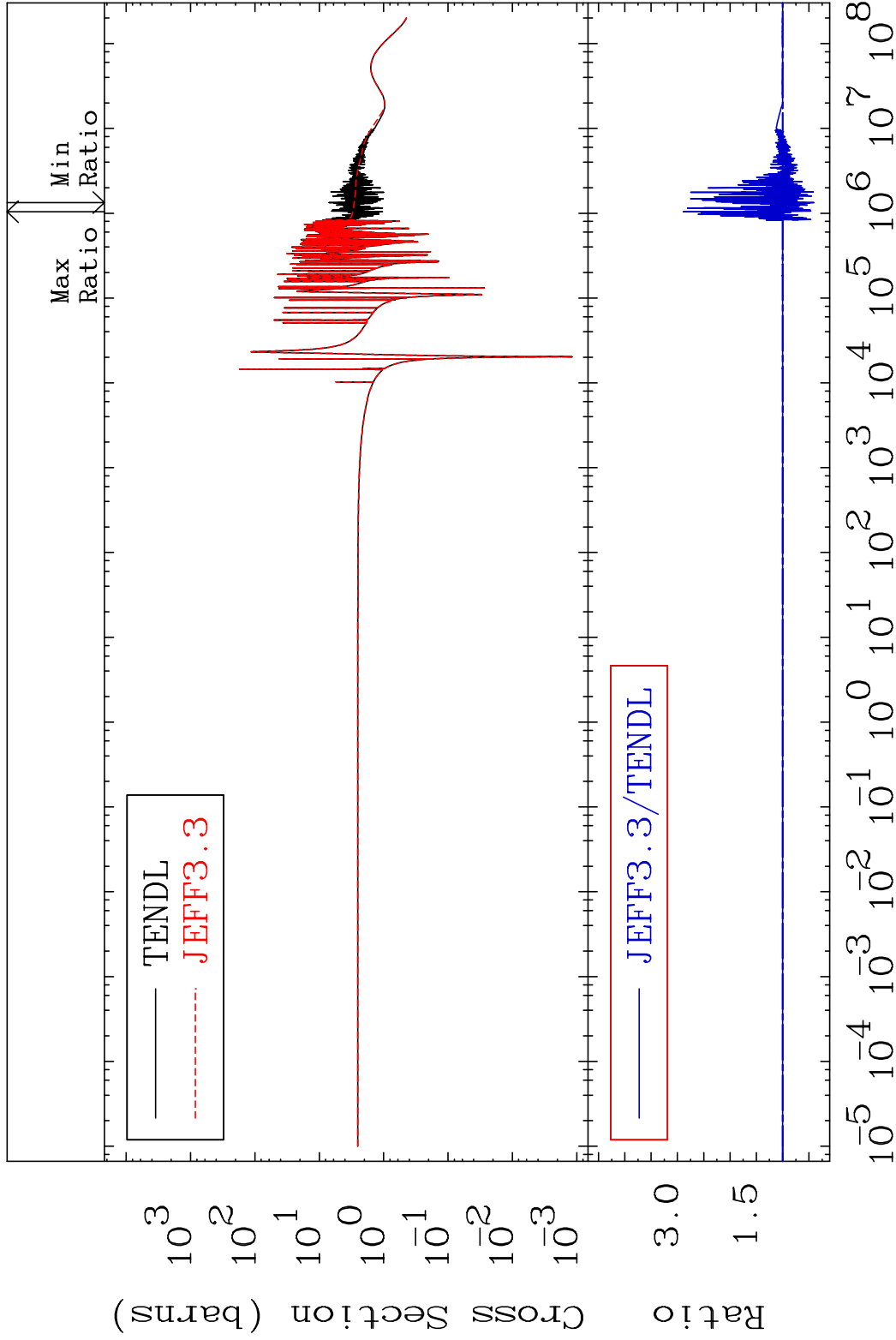
24-Cr-54

MAT 2437

Elastic

²⁴Cr-54

Cross Section -59.41 To 188.6 %



2

Incident Energy (eV)

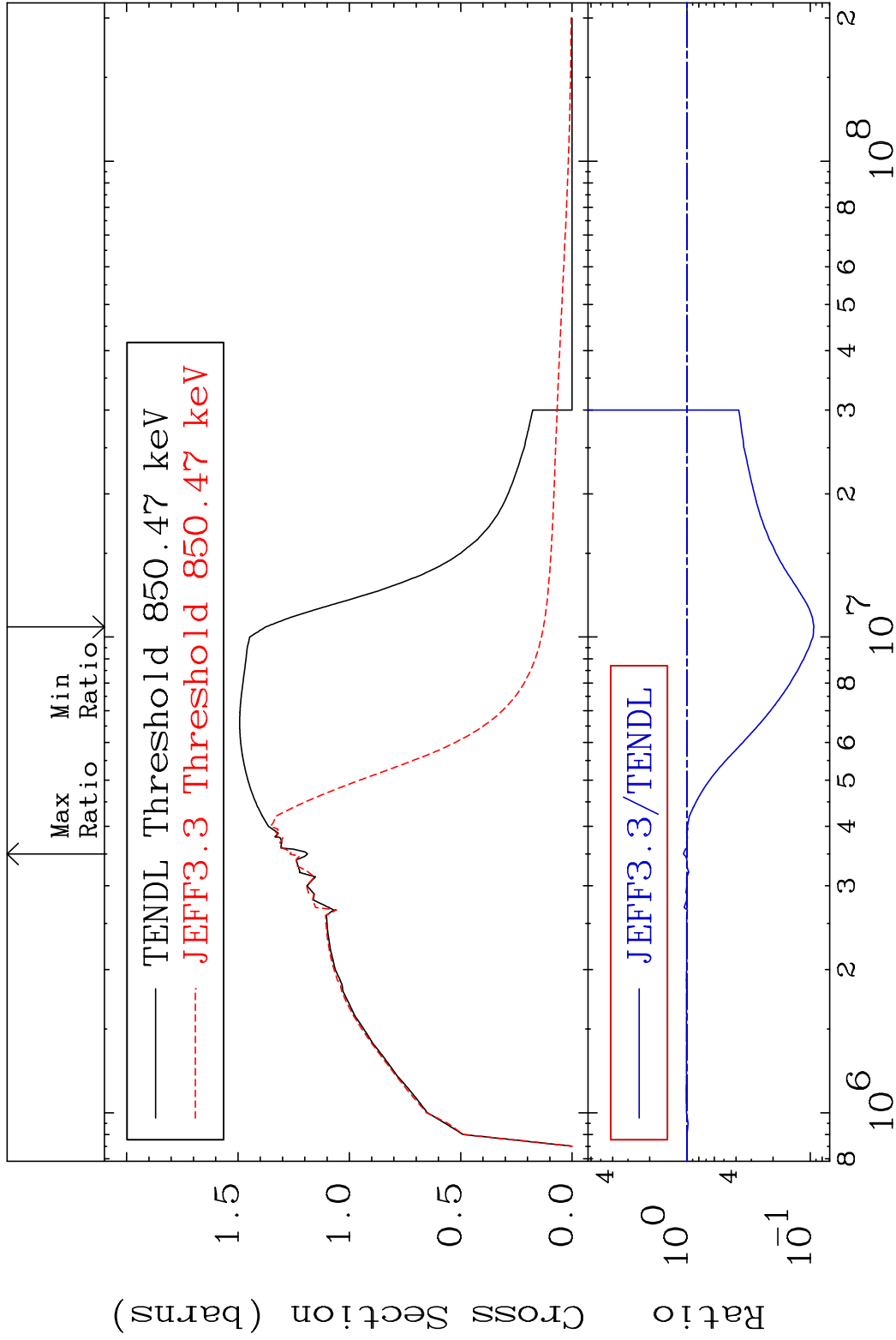
²⁴Cr-54

MAT 2437

Inelastic

²⁴Cr-54

Cross Section -90.66 To 6.657 %



3

Incident Energy (eV)

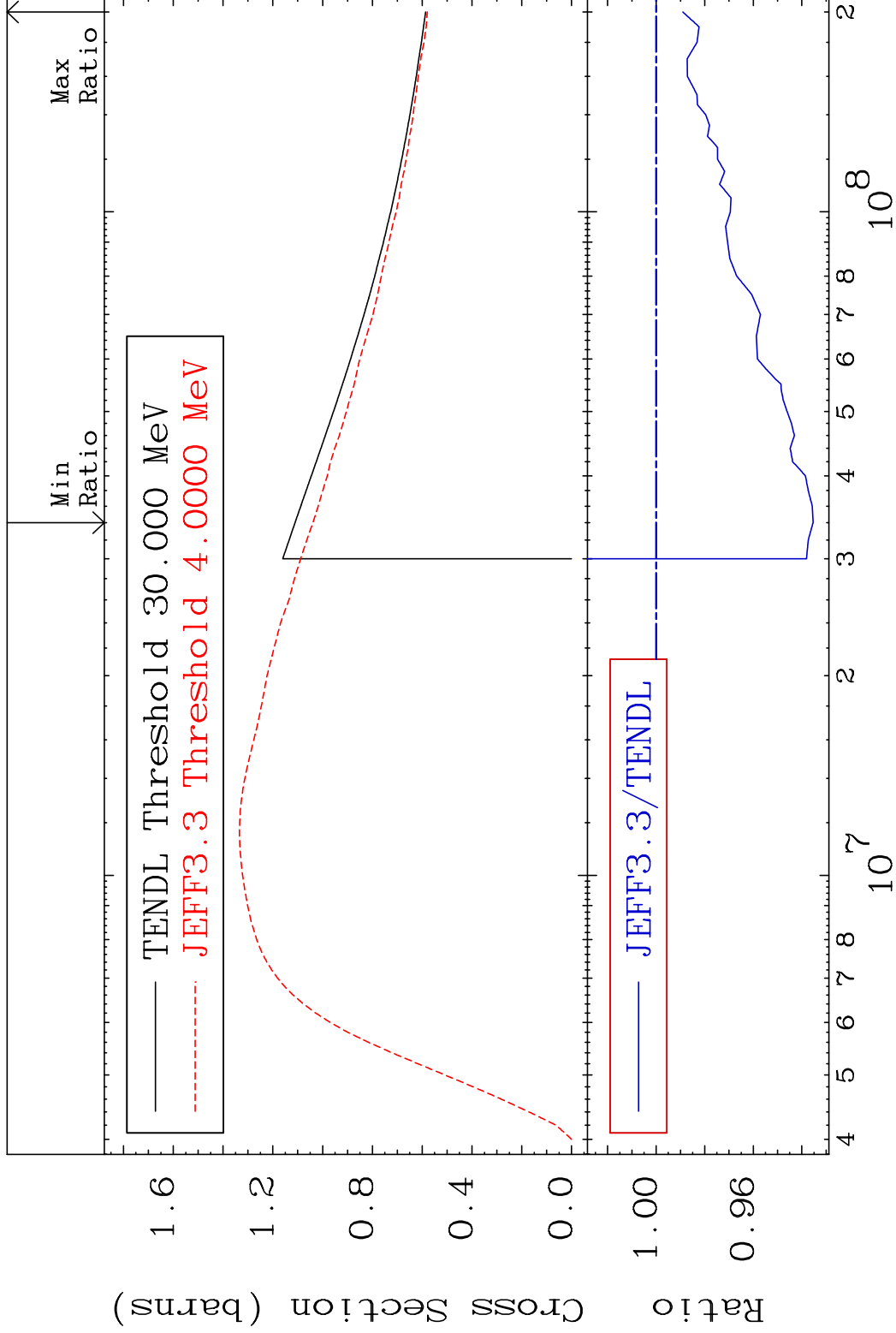
²⁴Cr-54

MAT 2437

(n, remainder)

24-Cr-54

Cross Section -6.464 To -1.096%

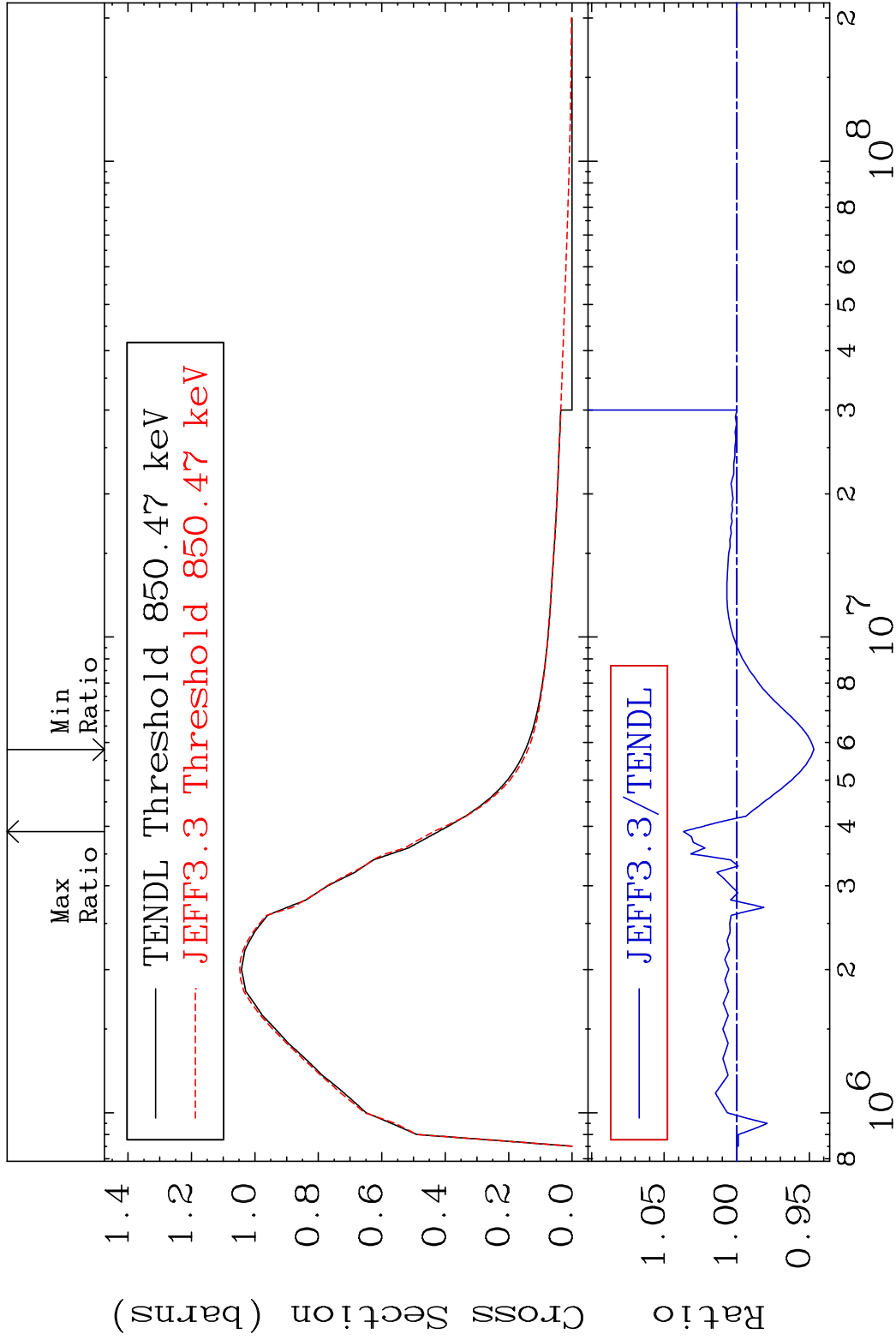


4

Incident Energy (eV)

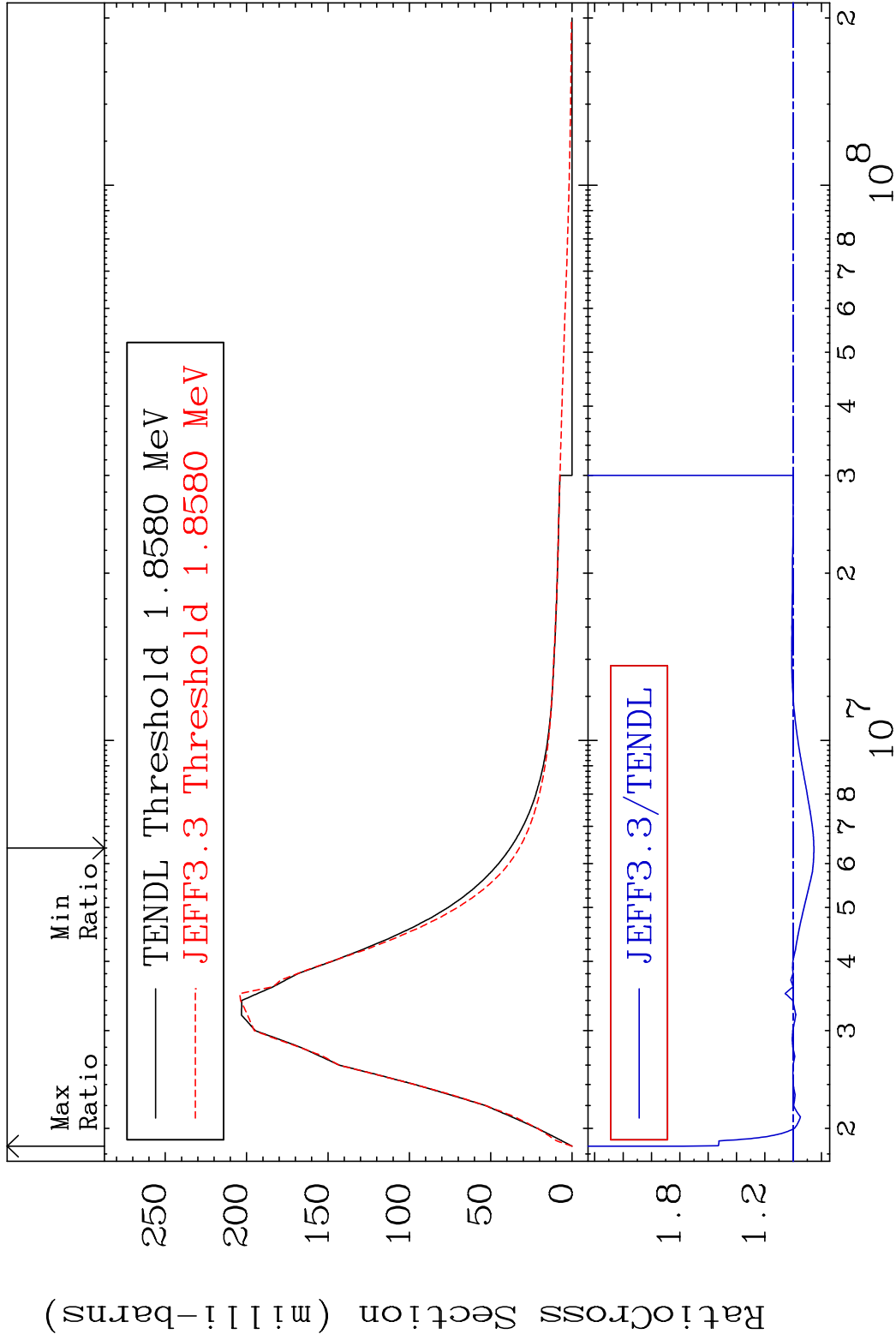
24-Cr-54

MAT 2437 MT= 51 (n, n') Level 24-Cr-54
 Cross Section -5.317 To 3.671 %



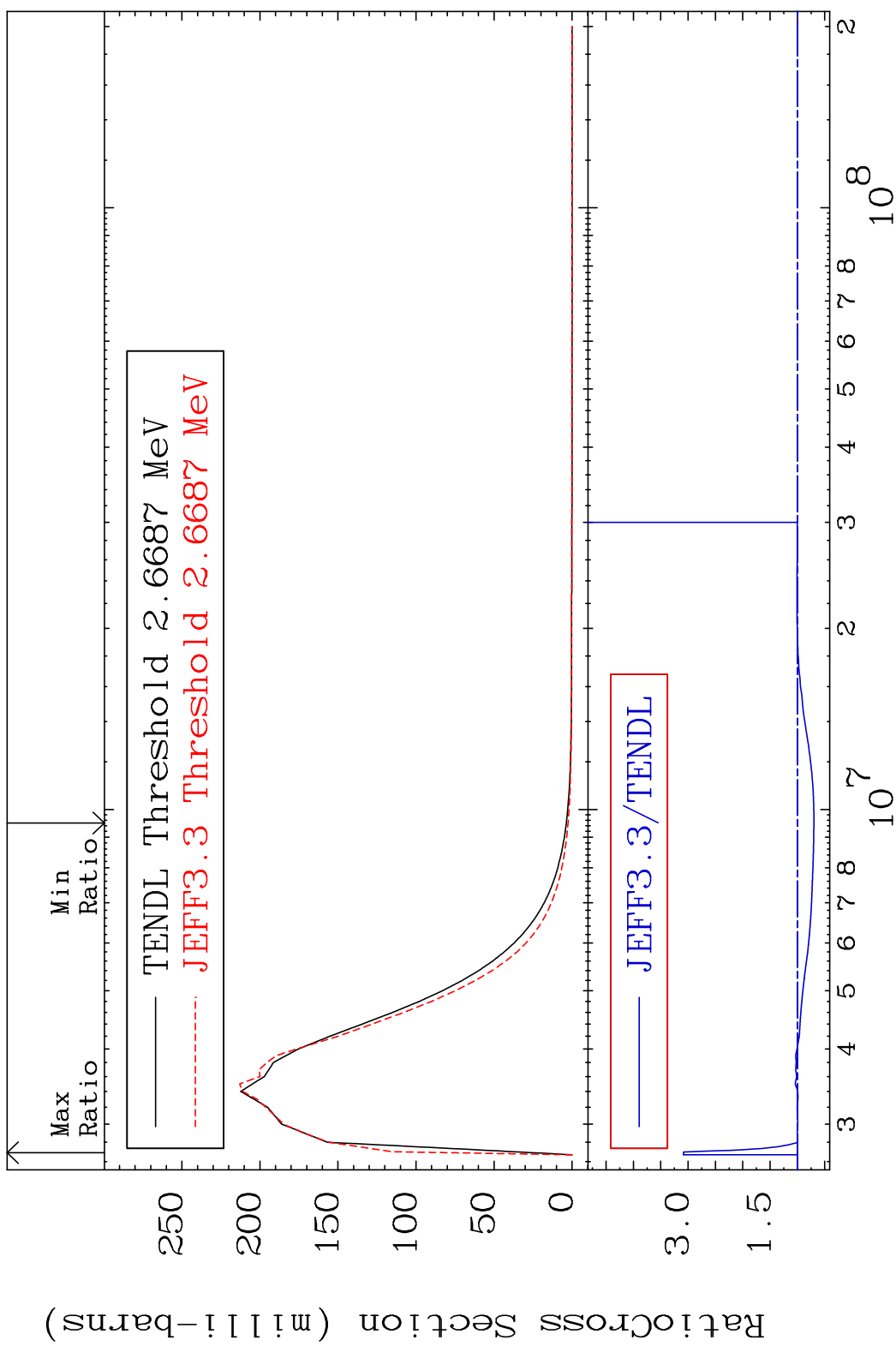
5 Incident Energy (eV) 24-Cr-54

MAT 2437 MT= 52 (n, n') Level 24-Cr-54
 Cross Section -14.58 To 77.41 %



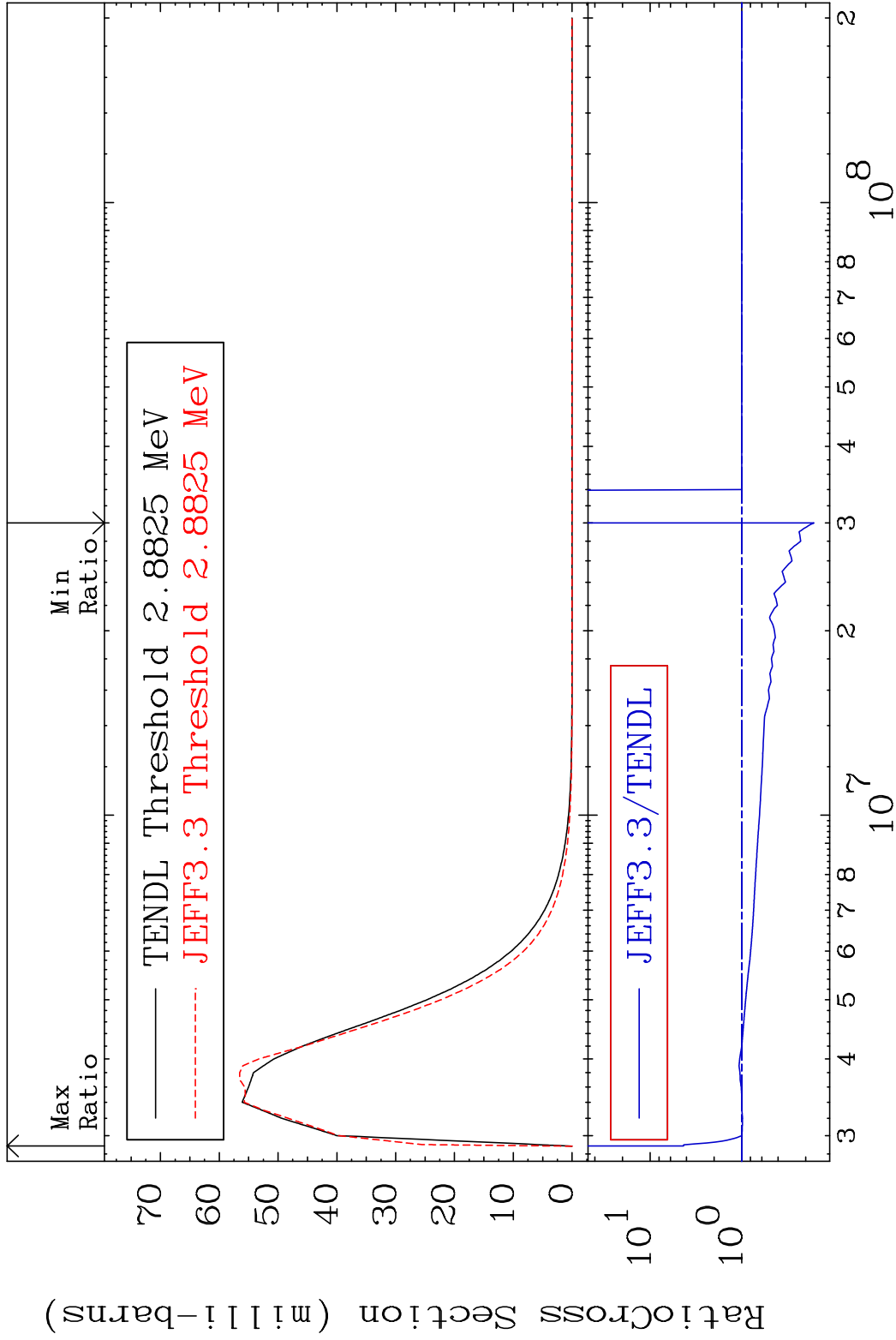
6 Incident Energy (eV) 24-Cr-54

MAT 2437 MT= 53 (n, n') Level 24-Cr-54
 Cross Section -30.09 To 208.5 %



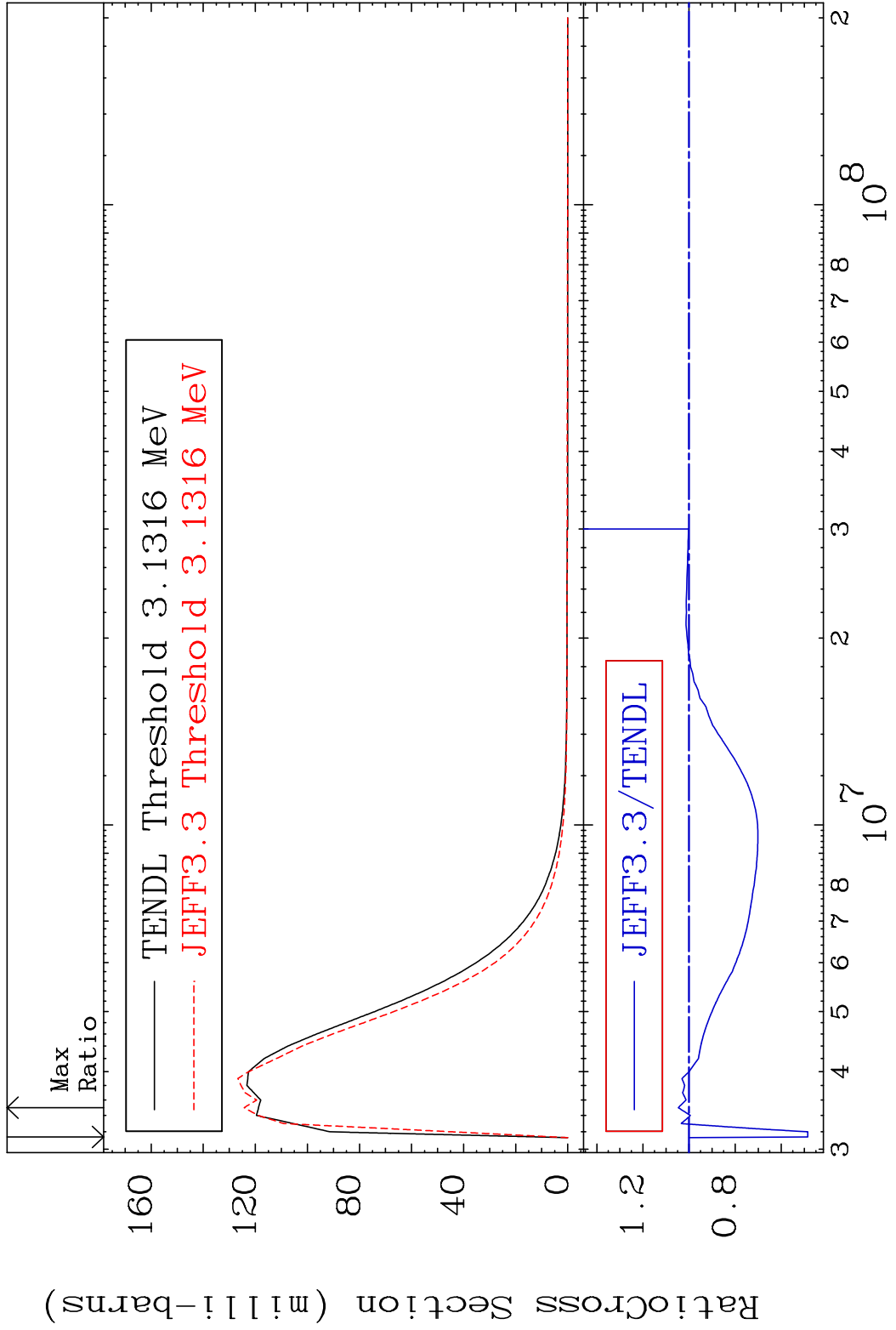
7 Incident Energy (eV) 24-Cr-54

MAT 2437 MT= 54 (n, n') Level 24-Cr-54
 Cross Section -83.74 To 331.8 %

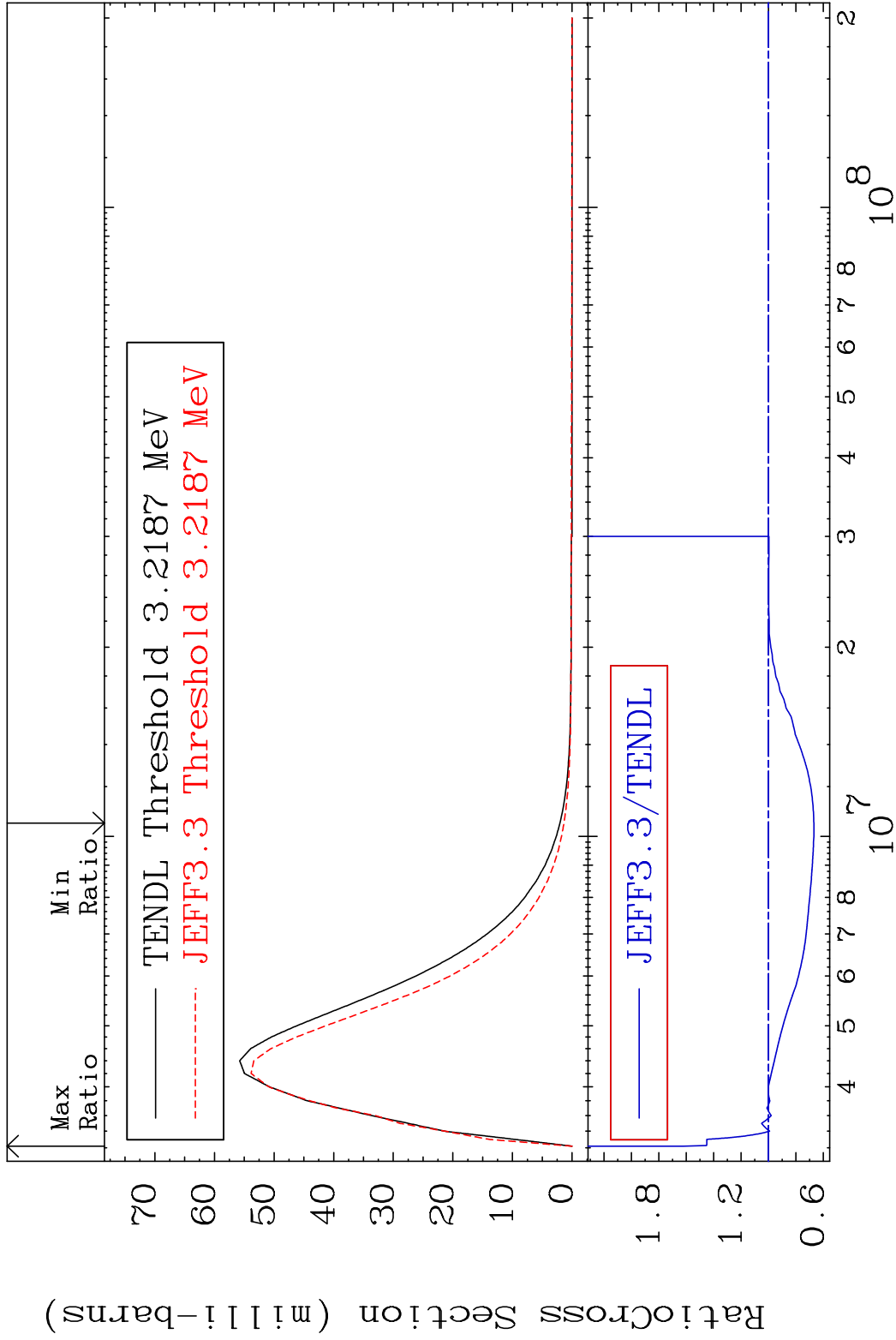


8 Incident Energy (eV) 24-Cr-54

MAT 2437 MT= 55 (n, n') Level 24-Cr-54
 Cross Section -51.46 To 4.674 %

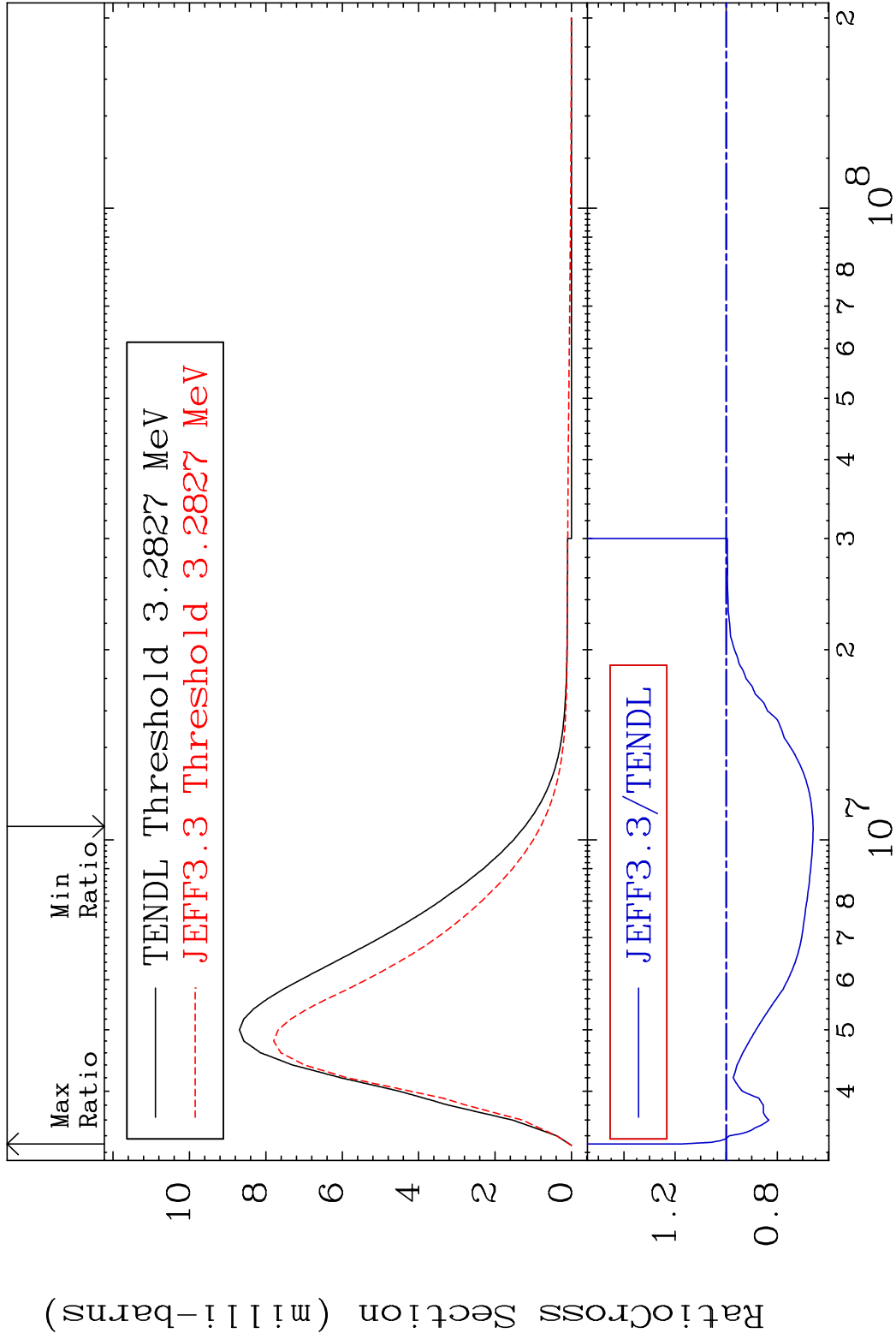


MAT 2437 MT= 56 (n, n') Level 24-Cr-54
 Cross Section -33.08 To 62.08 %



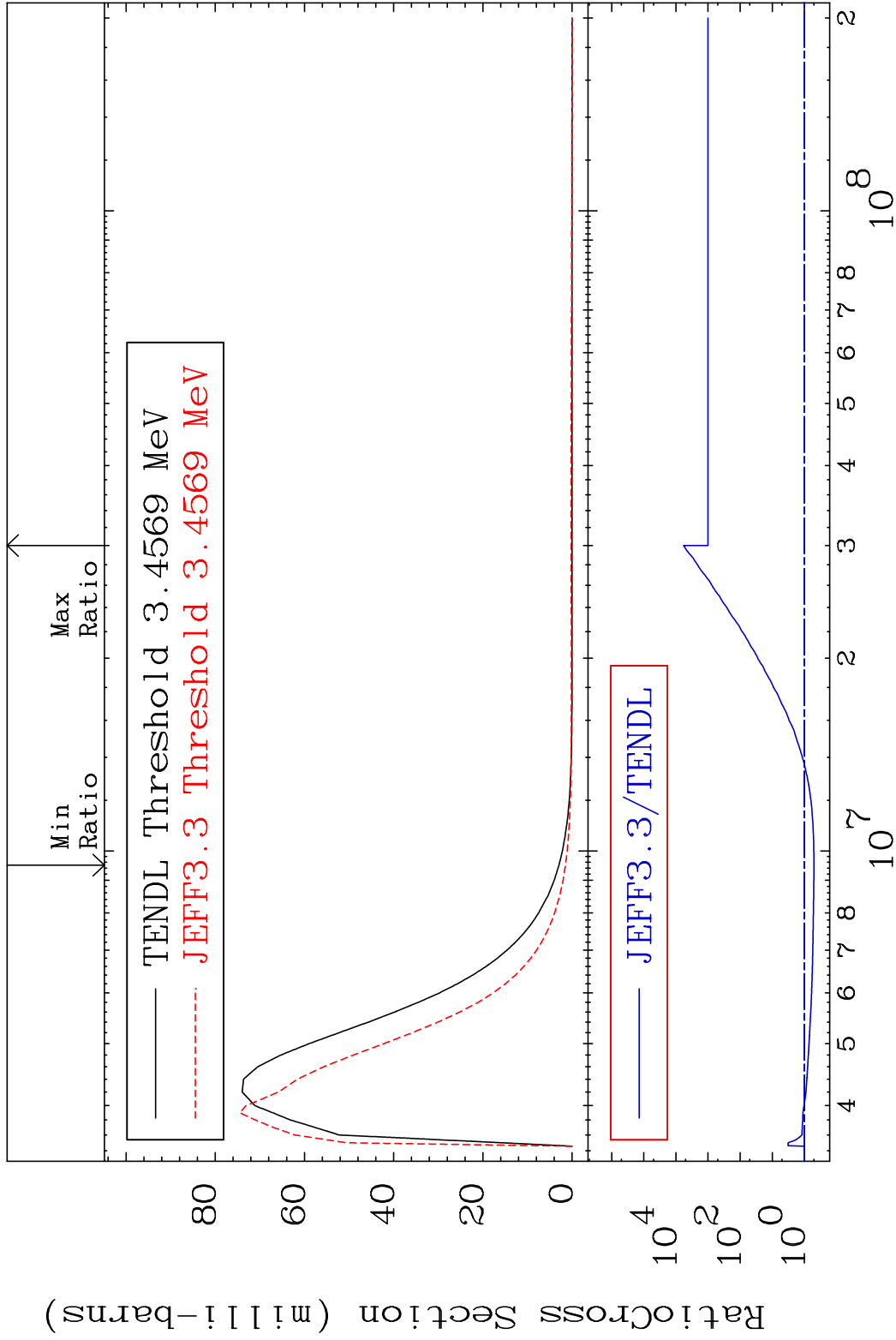
10 24-Cr-54

MAT 2437 MT= 57 (n, n') Level 24-Cr-54
 Cross Section -34.05 To 16.97 %



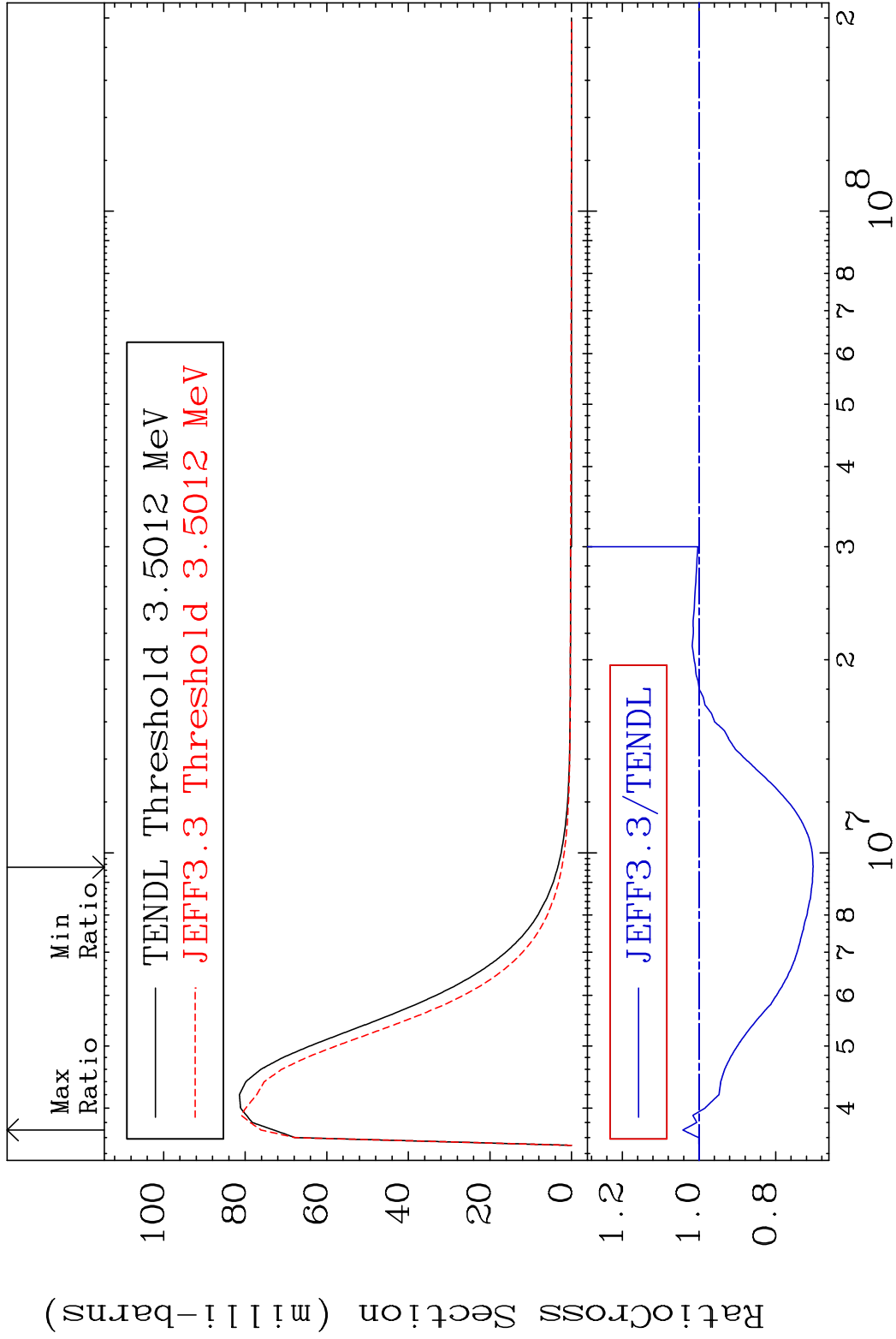
11 Incident Energy (eV) 24-Cr-54

MAT 2437 MT= 58 (n, n') Level 24-Cr-54
 Cross Section -49.51 To 9999. %



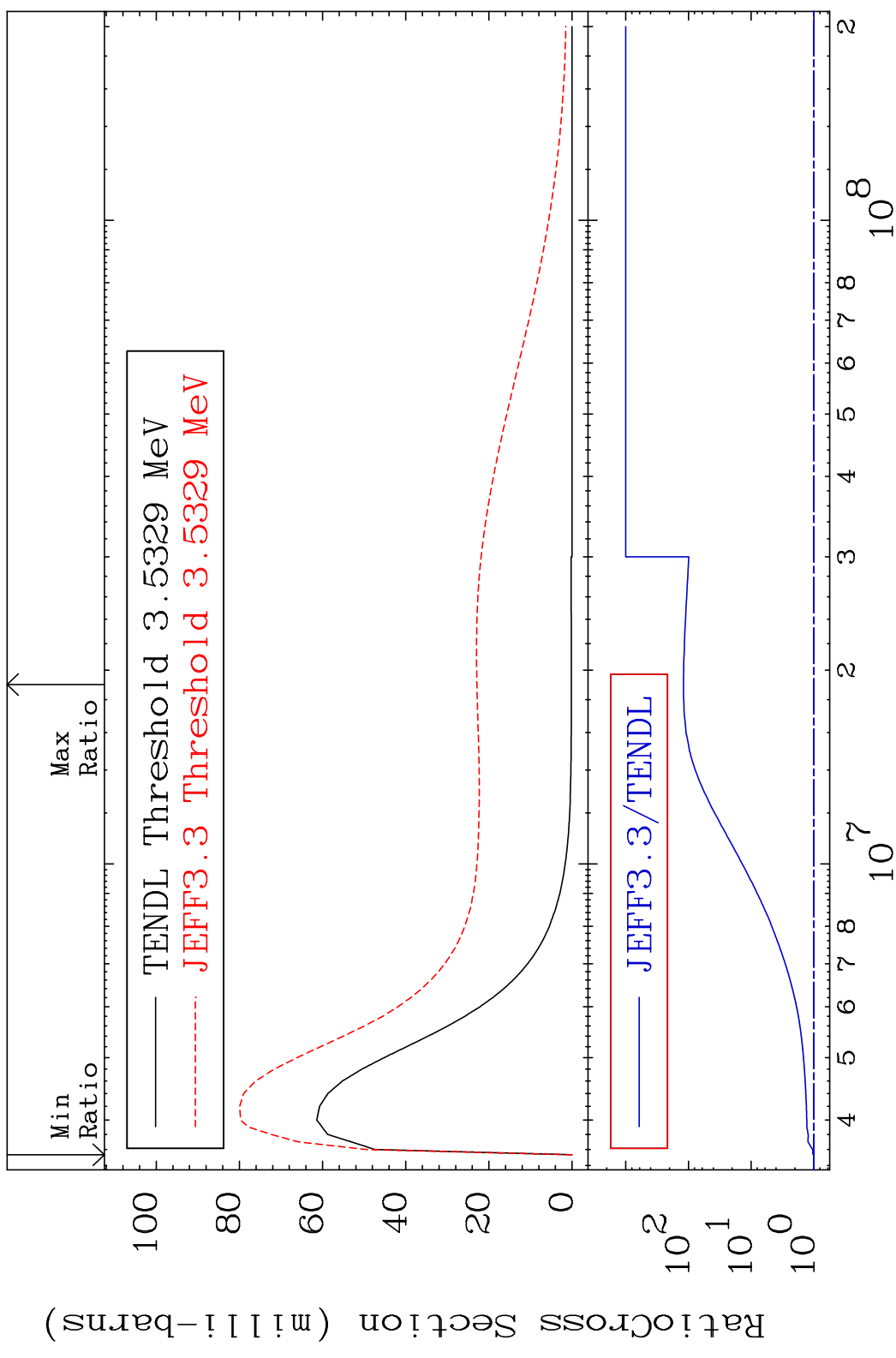
12 24-Cr-54

MAT 2437 MT= 59 (n, n') Level 24-Cr-54
 Cross Section -29.74 To 4.223 %



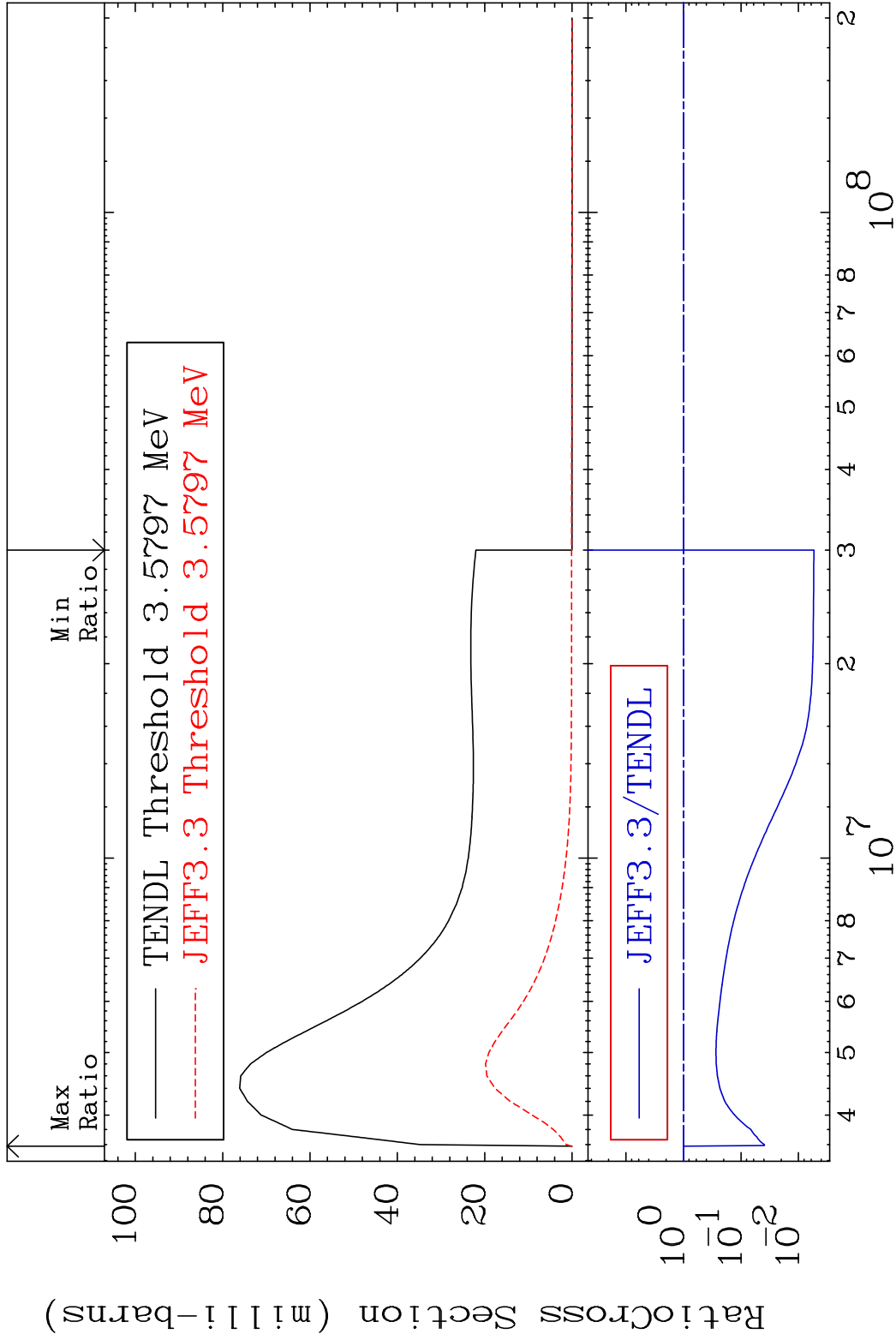
13 24-Cr-54

MAT 2437 MT= 60 (n, n') Level 24-Cr-54
 Cross Section 0.000 To 9999. %



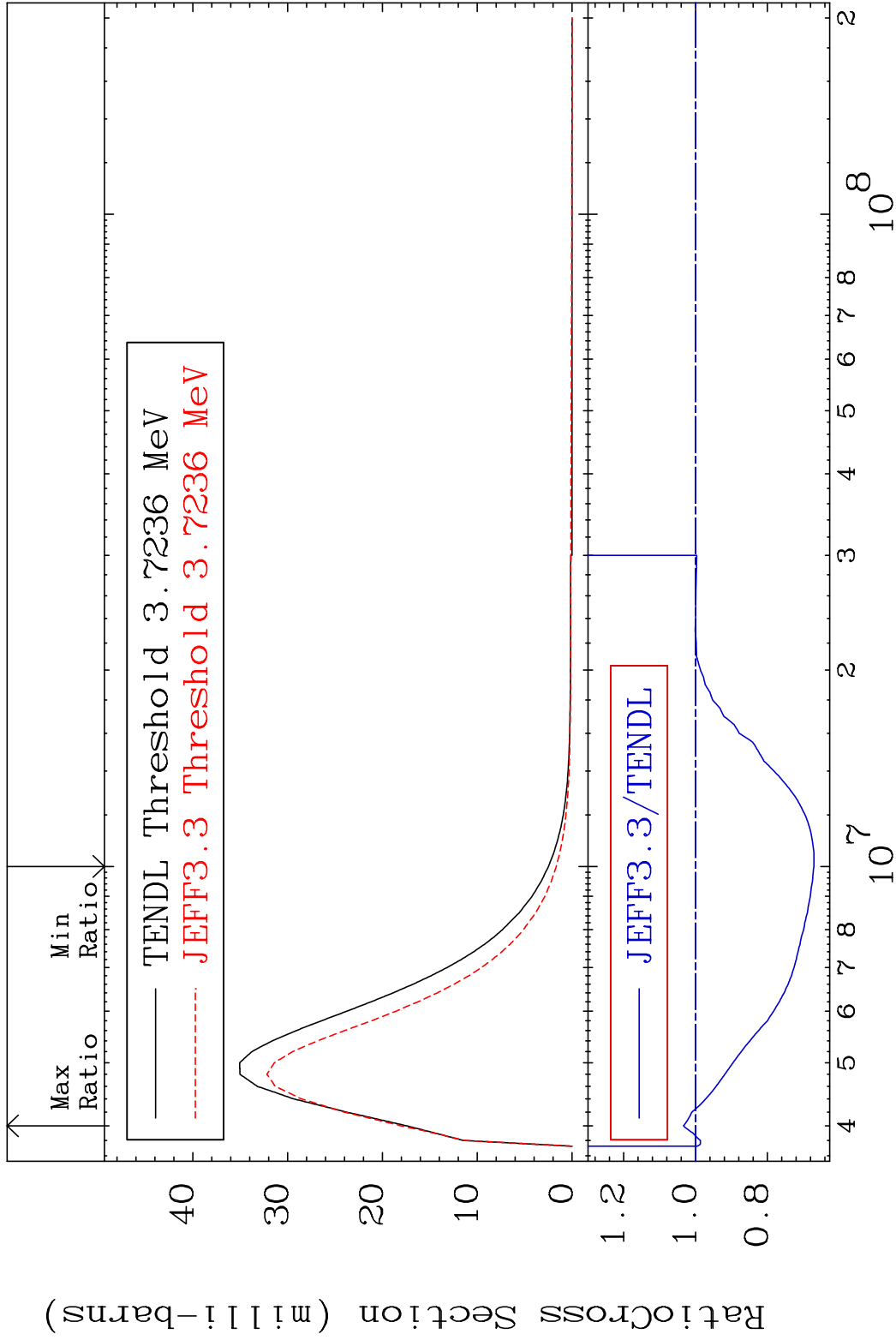
14 Incident Energy (eV) 24-Cr-54

MAT 2437 MT= 61 (n, n') Level 24-Cr-54
 Cross Section -99.46 To 0.000 %



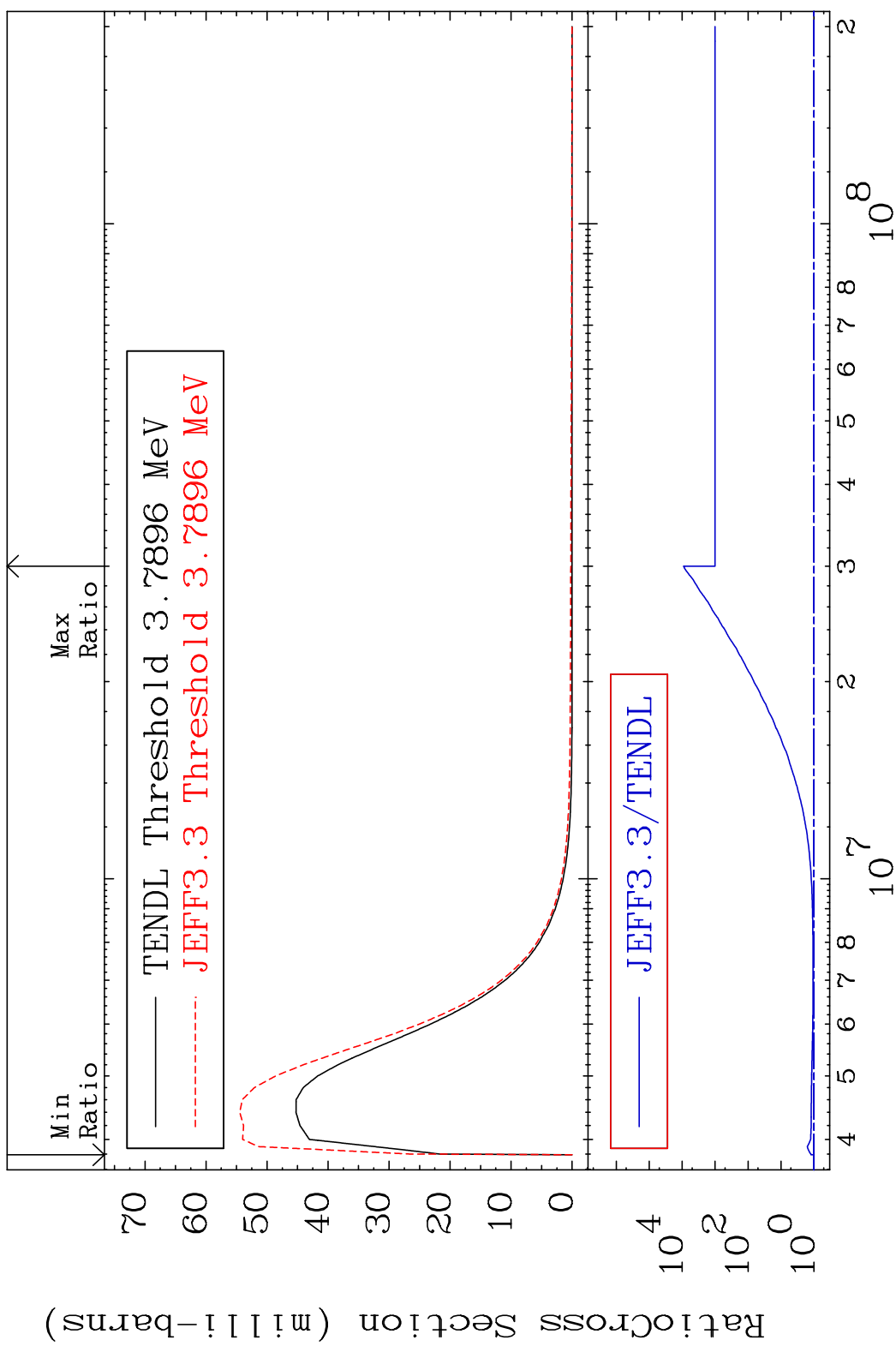
15 Incident Energy (eV) 24-Cr-54

MAT 2437 MT= 62 (n, n') Level 24-Cr-54
 Cross Section -32.93 To 3.377 %

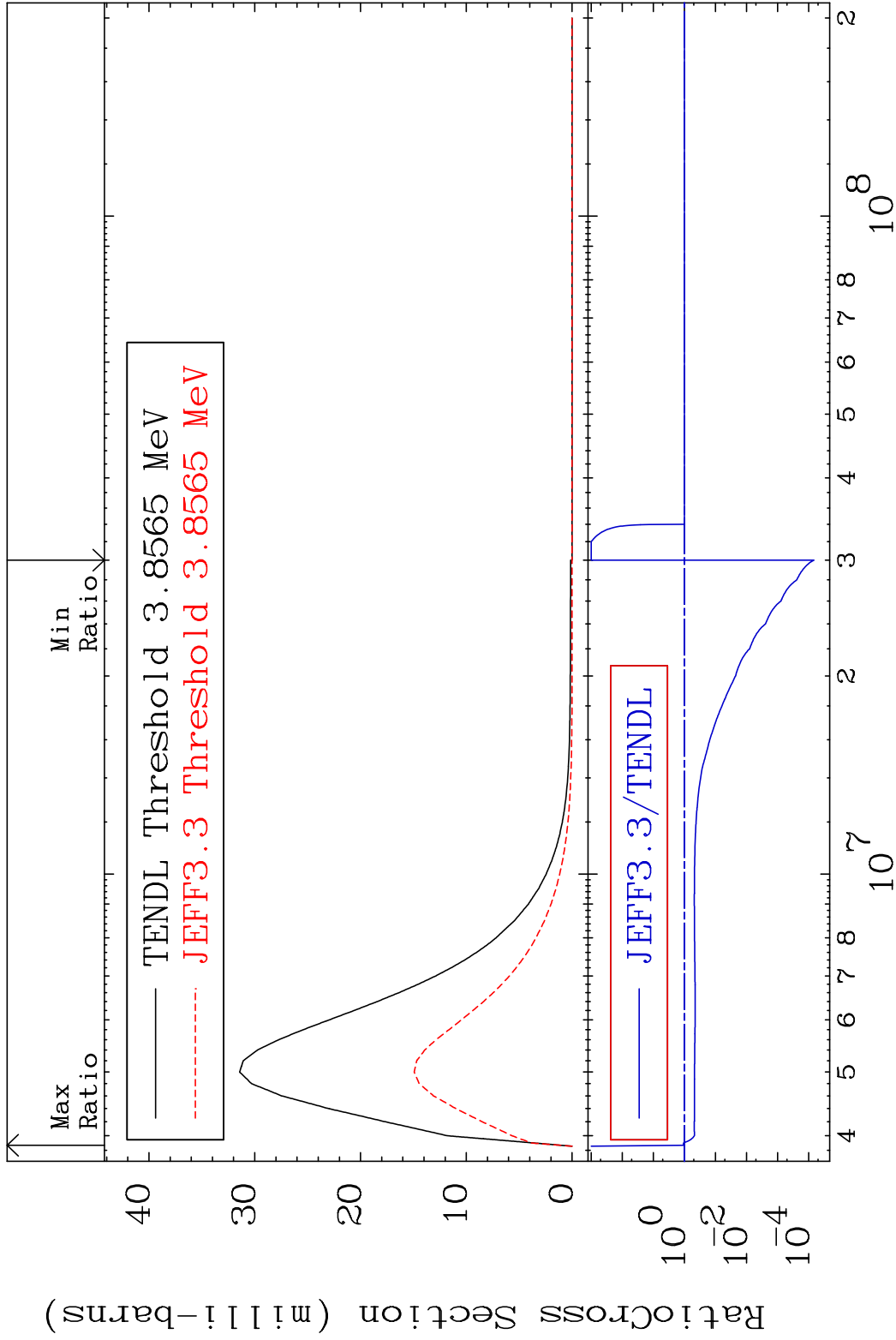


16 Incident Energy (eV) 24-Cr-54

MAT 2437 MT= 63 (n, n') Level 24-Cr-54
 Cross Section 0.000 To 9999. %

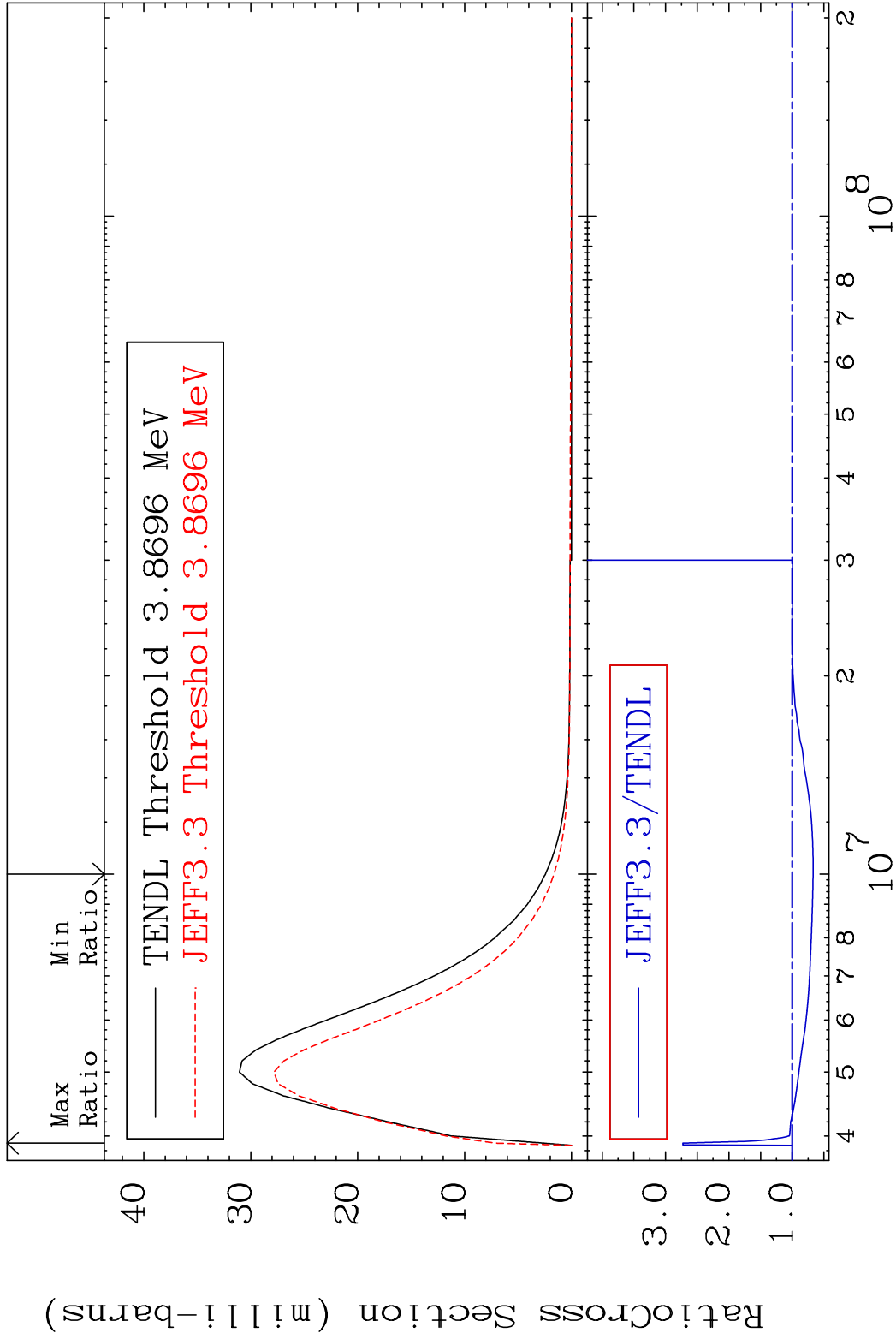


MAT 2437 MT= 64 (n, n') Level 24-Cr-54
 Cross Section -99.99 To 7.846 %



18 Incident Energy (eV) 24-Cr-54

MAT 2437 MT= 65 (n, n') Level 24-Cr-54
 Cross Section -32.89 To 172.8 %



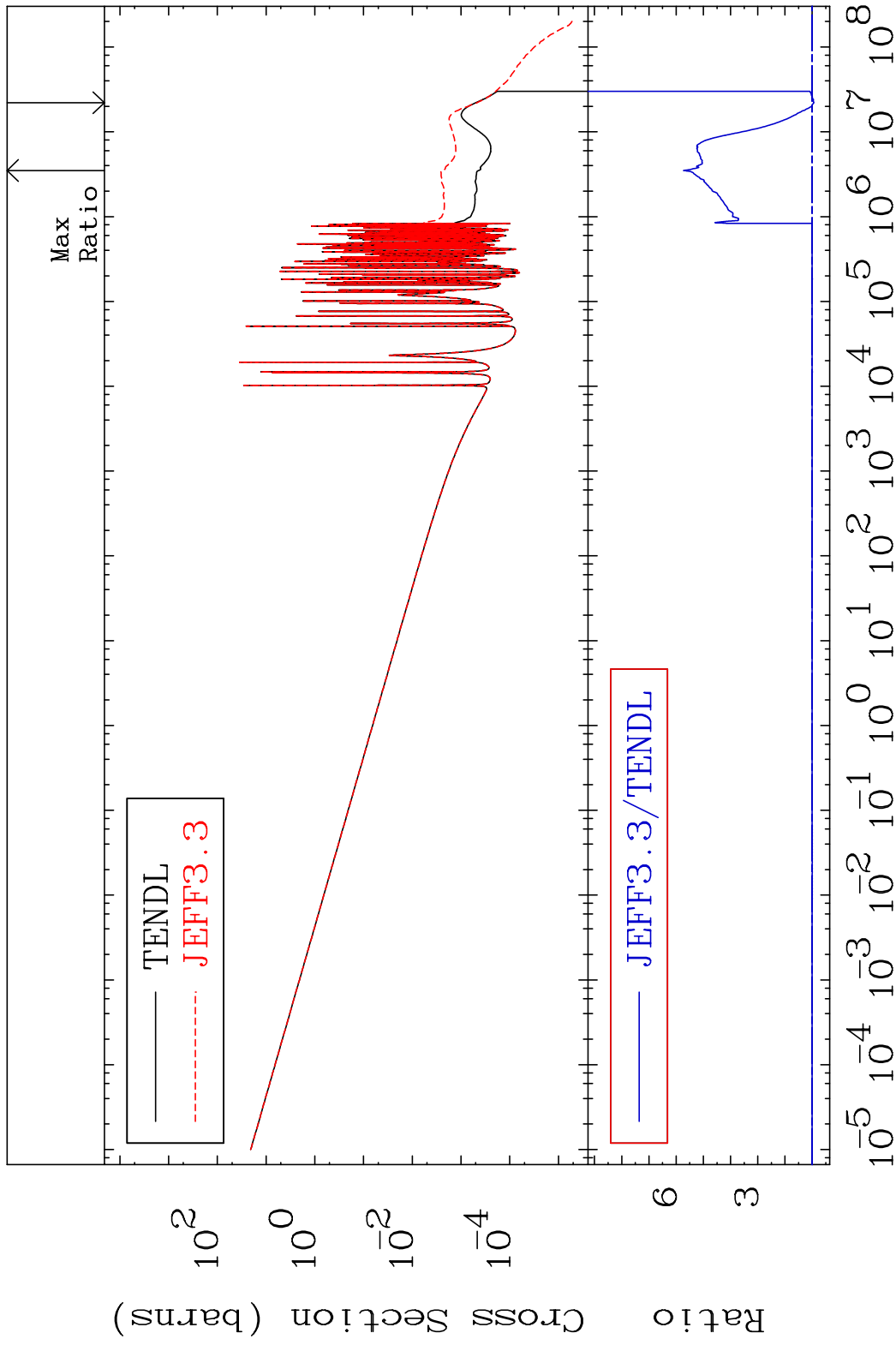
19 24-Cr-54

MAT 2437

(n, γ)

²⁴Cr-54

Cross Section -6.139 To 473.1 %

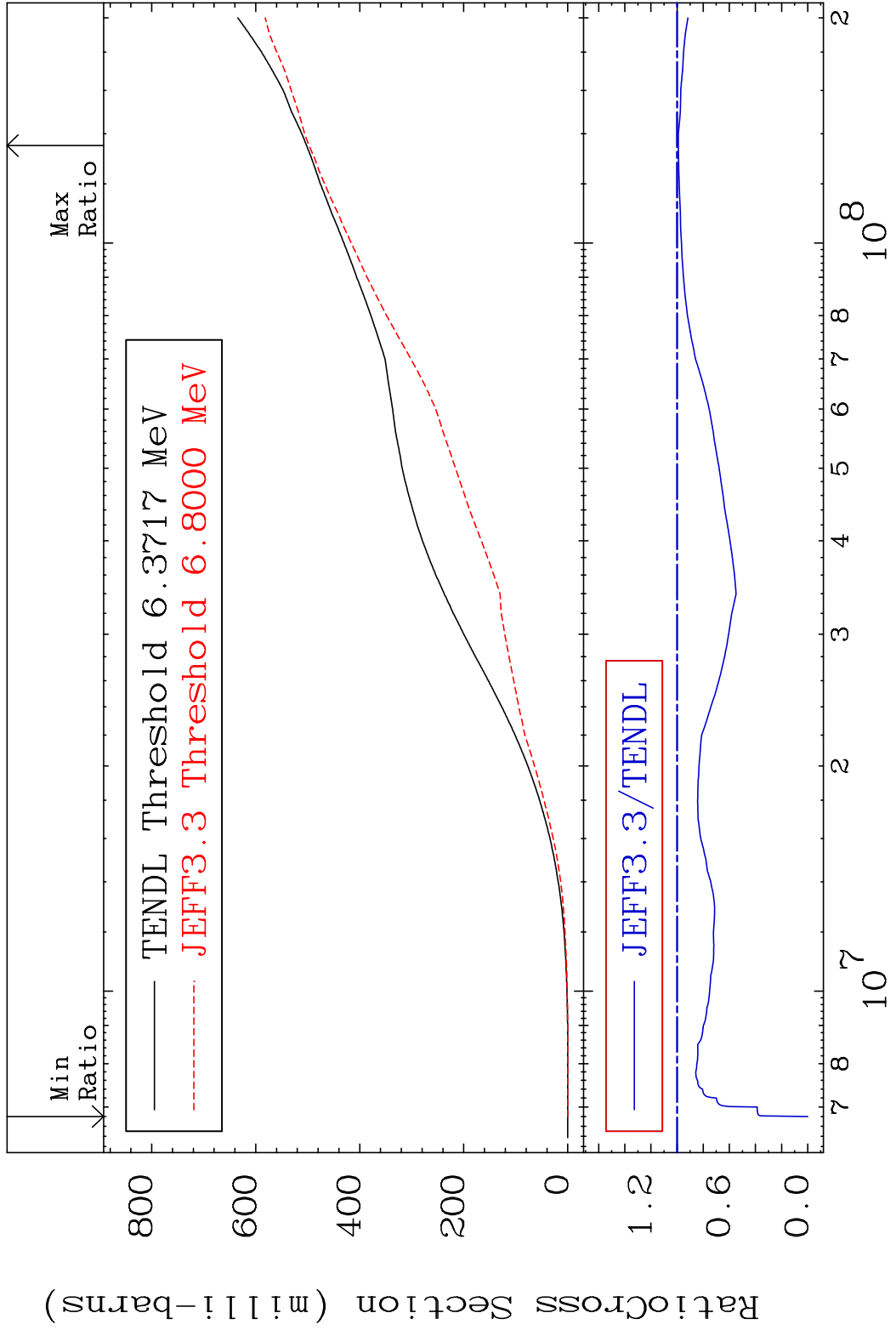


20

Incident Energy (eV)

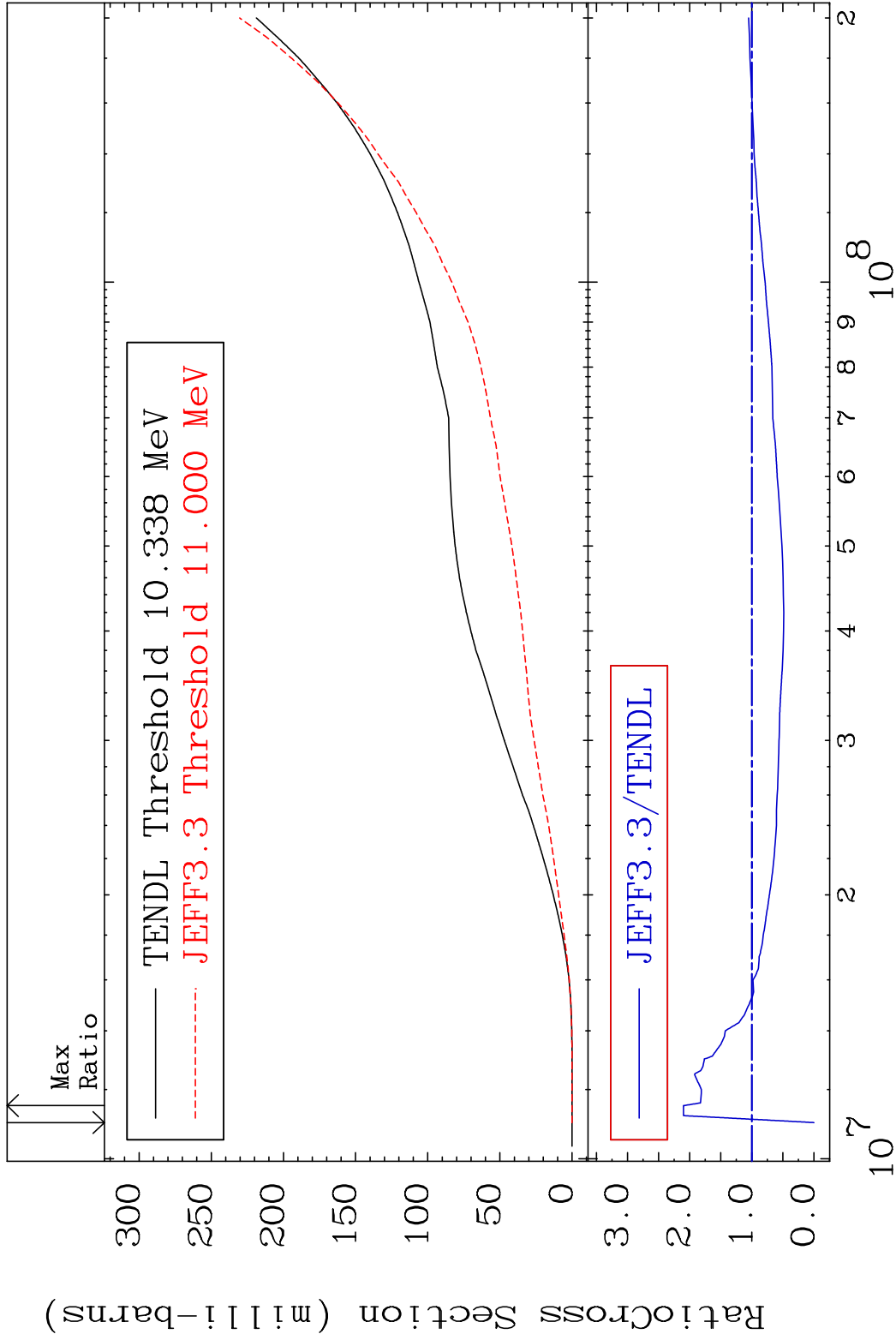
²⁴Cr-54

MAT 2437 Hydrogen Production $^{24}\text{Cr-54}$
 Cross Section -100.0 To -0.922%

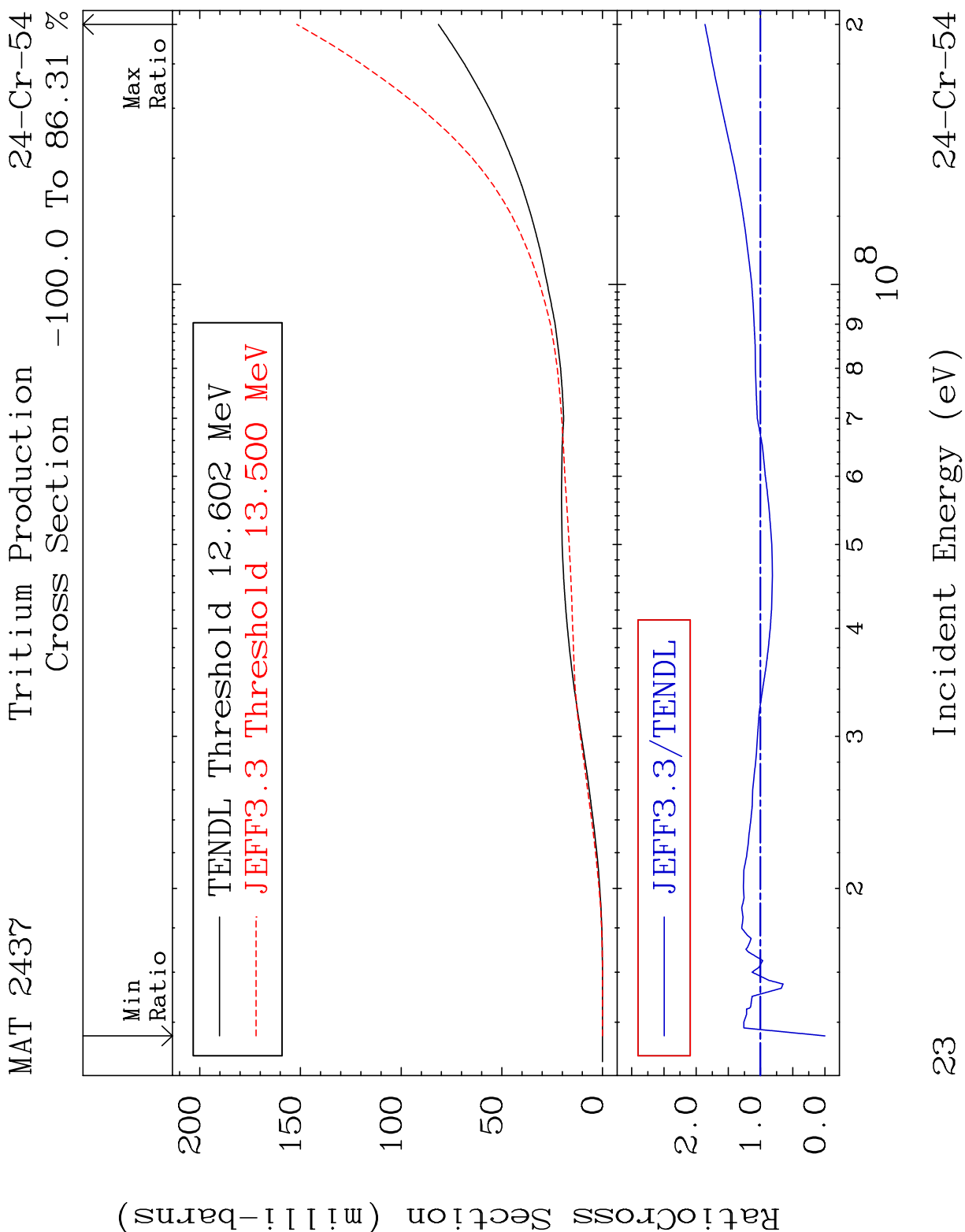


21 $^{24}\text{Cr-54}$

MAT 2437 Deuterium Production ²⁴Cr-54
 Cross Section -100.0 To 110.0 %



22 24-Cr-54

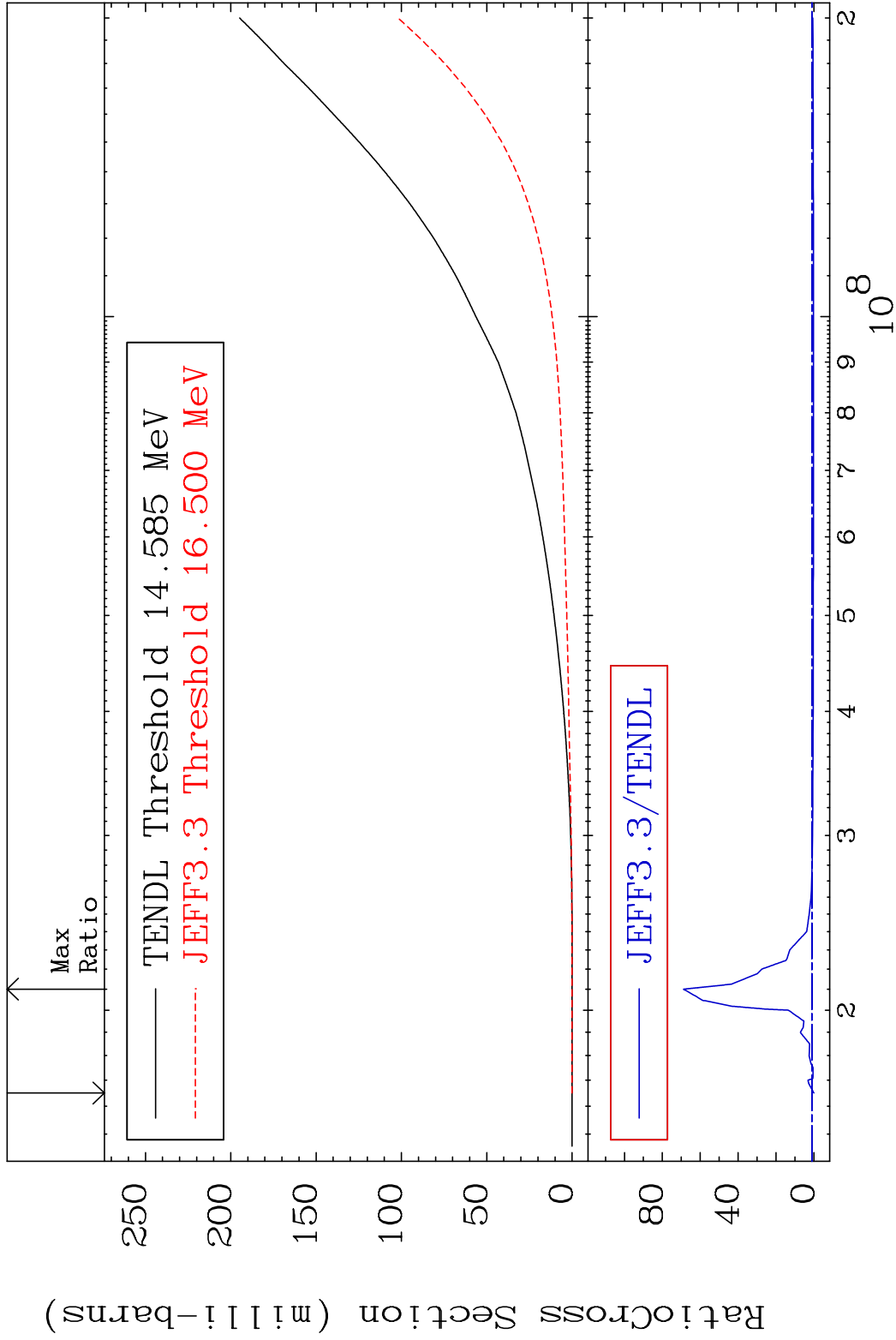


MAT 2437

He-3 Production

²⁴Cr-54

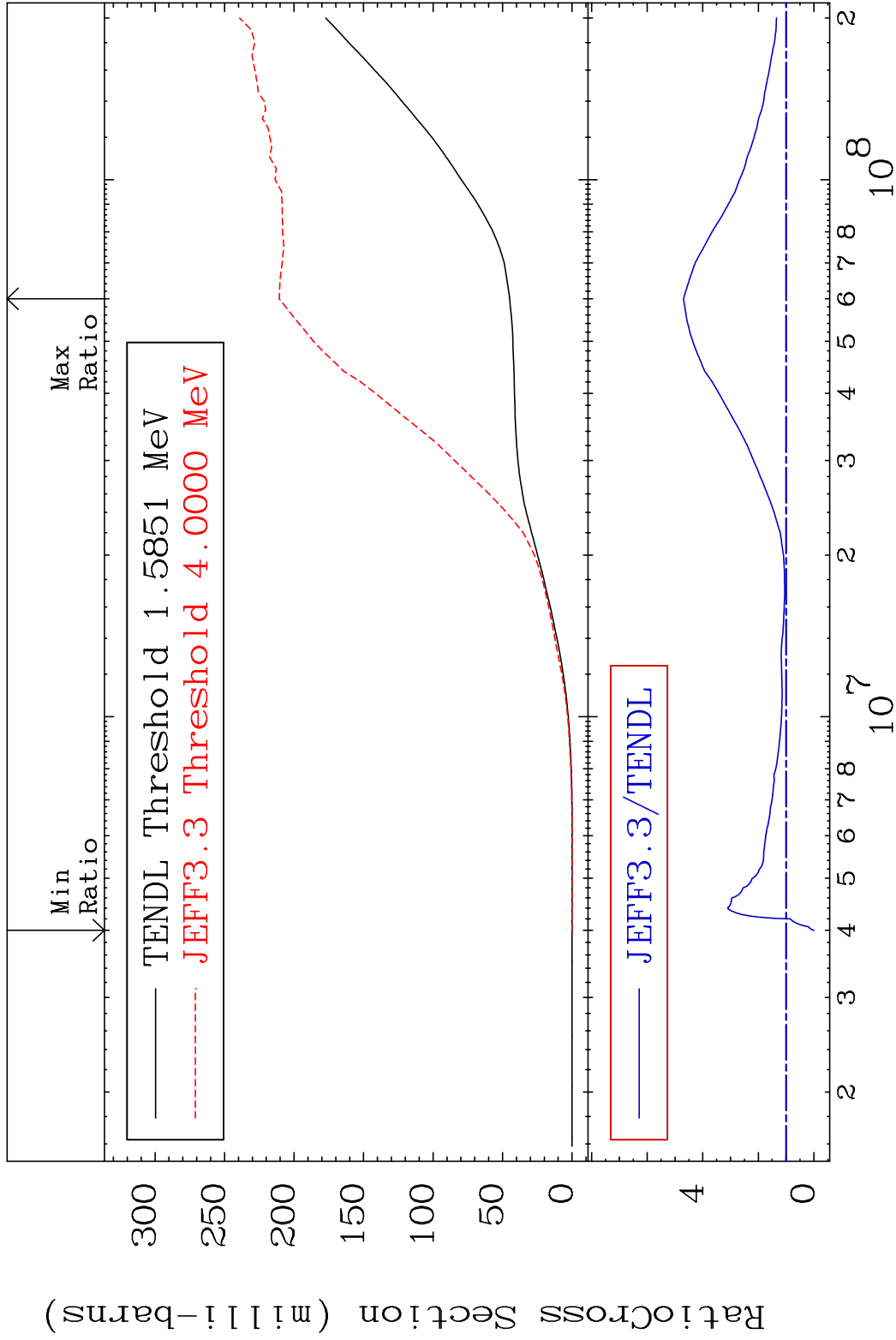
Cross Section -100.0 To 6785. %



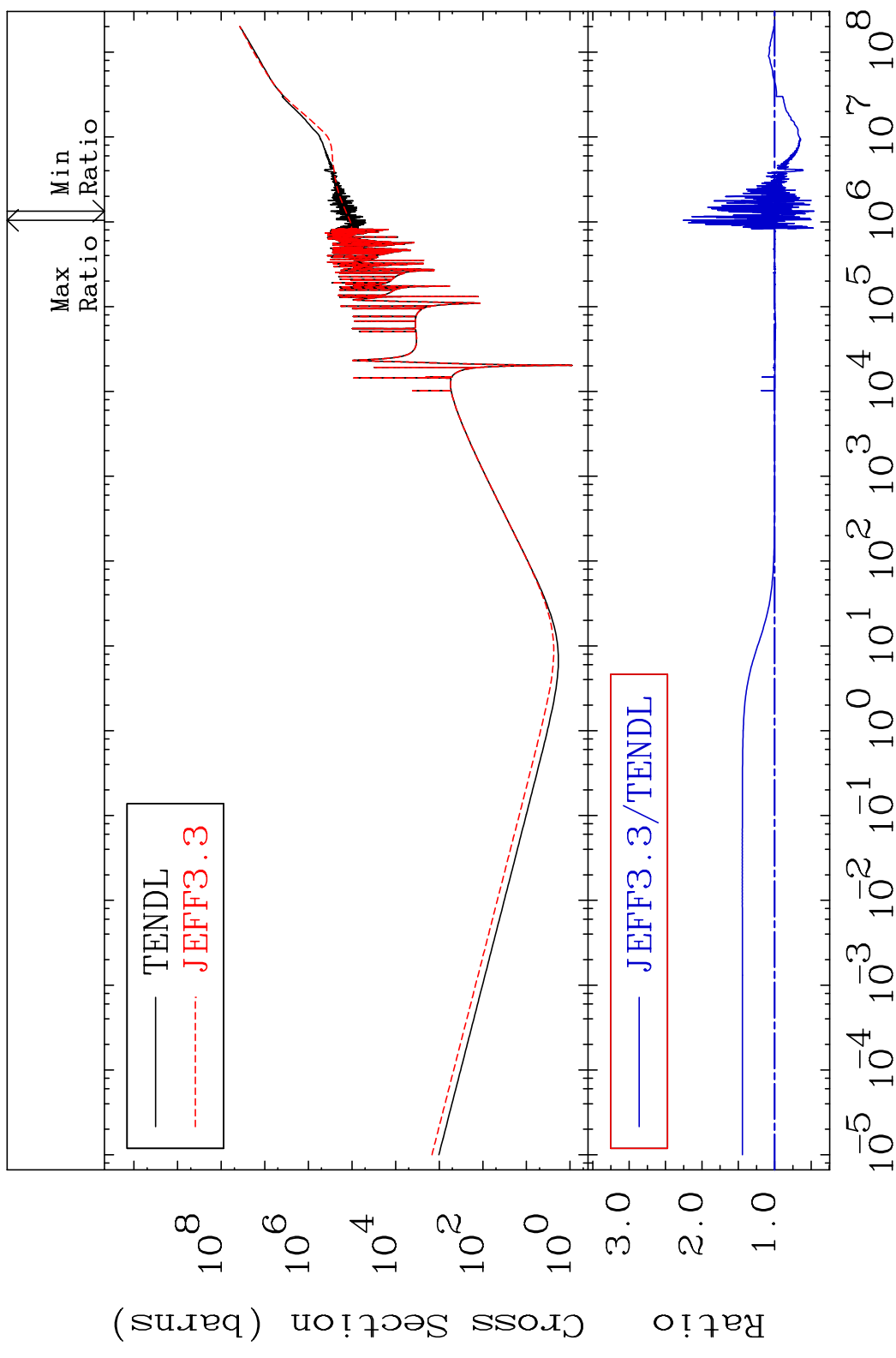
24

Incident Energy (eV)

²⁴Cr-54



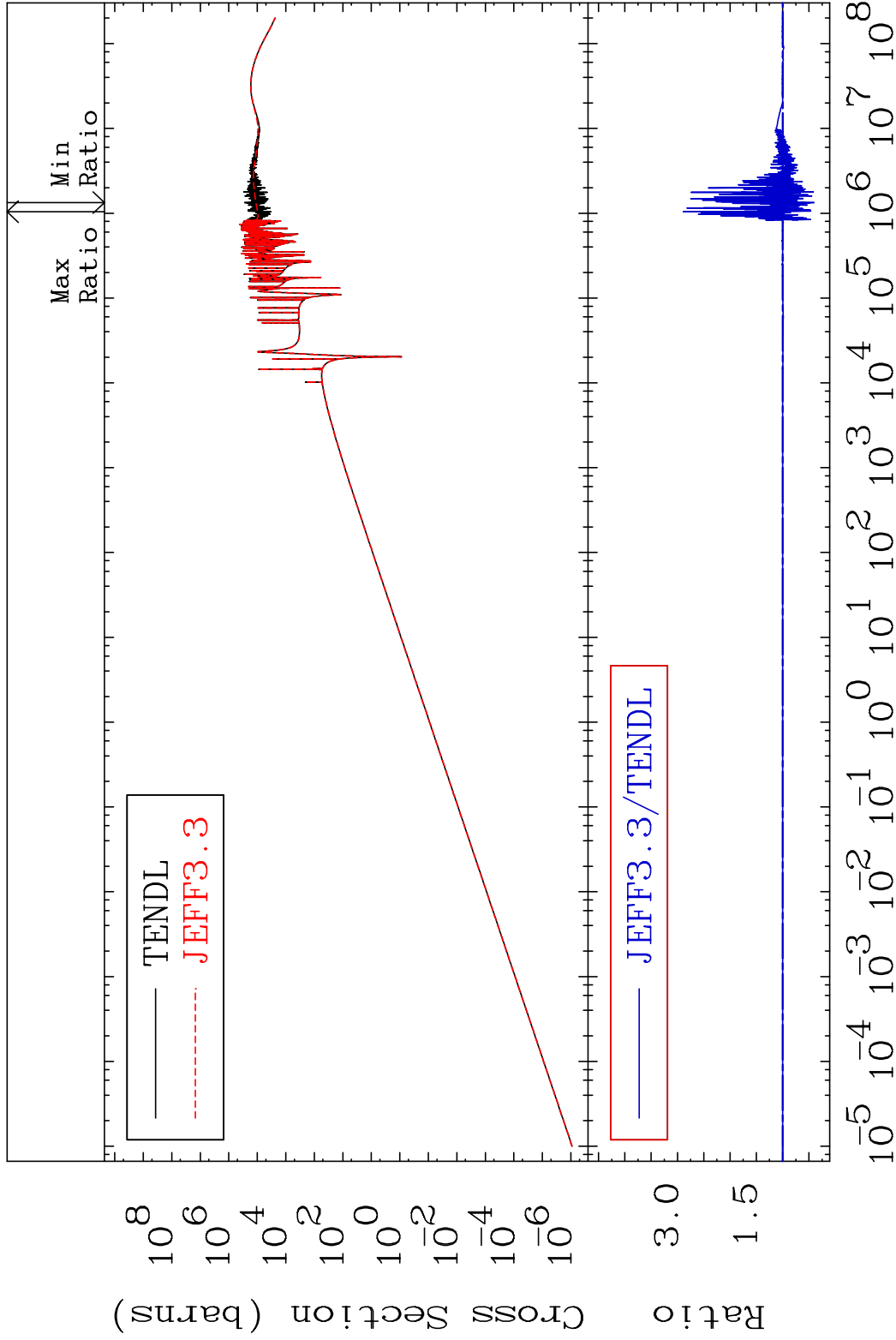
MAT 2437 Kerma total (eV-barns) 24-Cr-54
 Cross Section -53.82 To 125.4 %



MAT 2437

Kerma elastic
Cross Section

24-Cr-54
-59.38 To 188.6 %

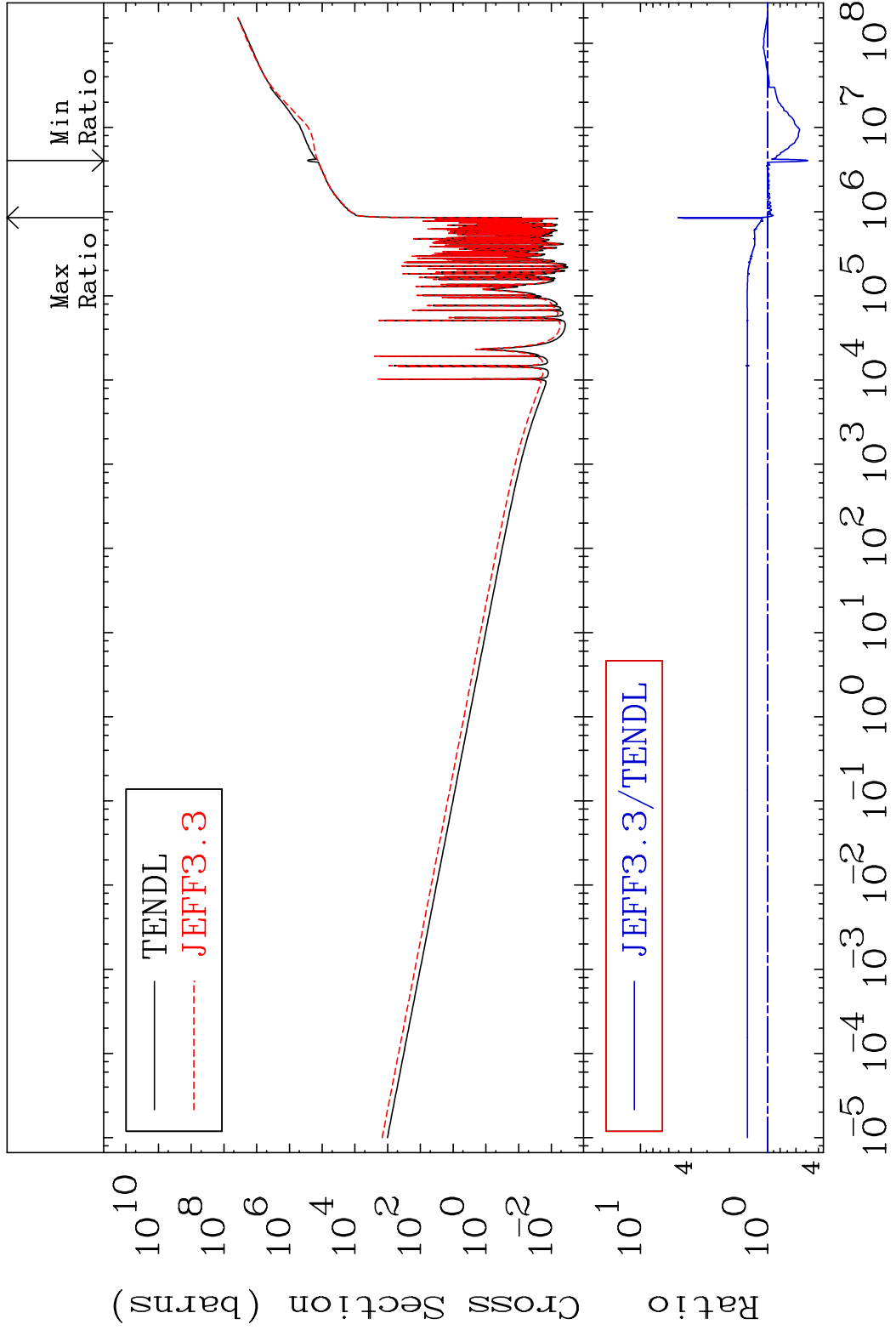


27

Incident Energy (eV)

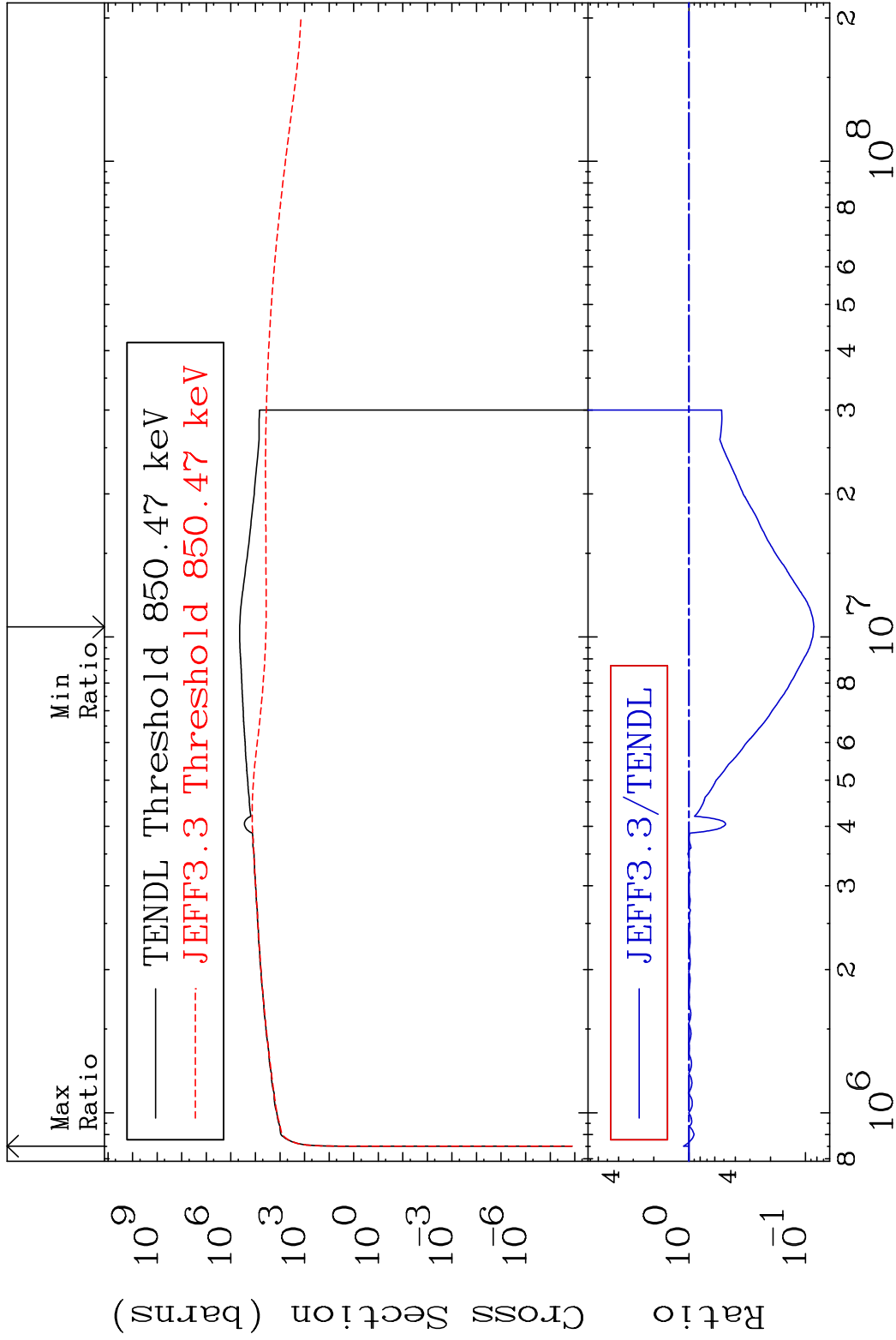
24-Cr-54

MAT 2437 Kerma non-elastic (all but mt2) 24-Cr-54
 Cross Section -51.51 To 405.1 %



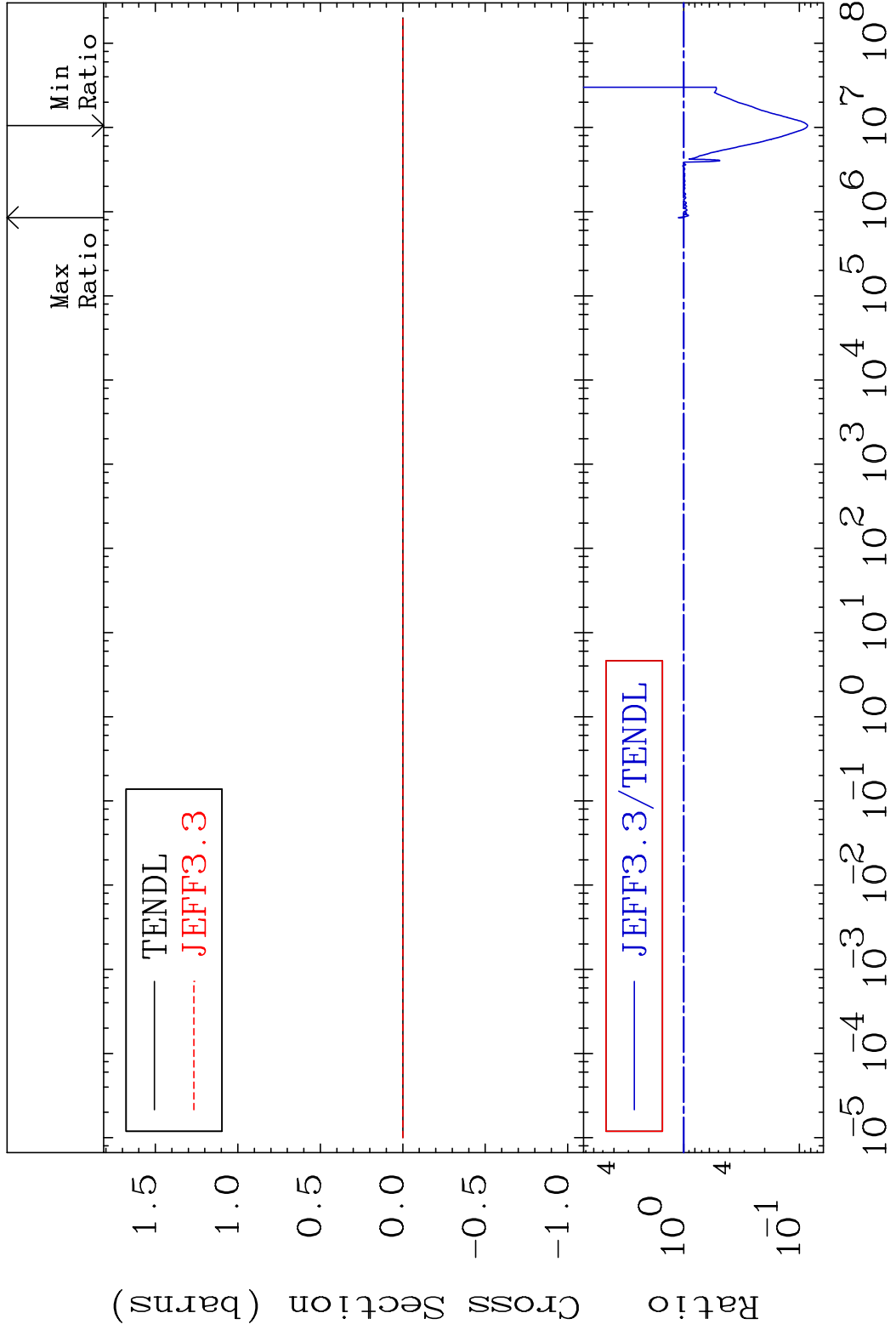
28 Incident Energy (eV) 24-Cr-54

MAT 2437 Kerma inelastic (mt51-91) 24-Cr-54
 Cross Section -91.52 To 11.40 %

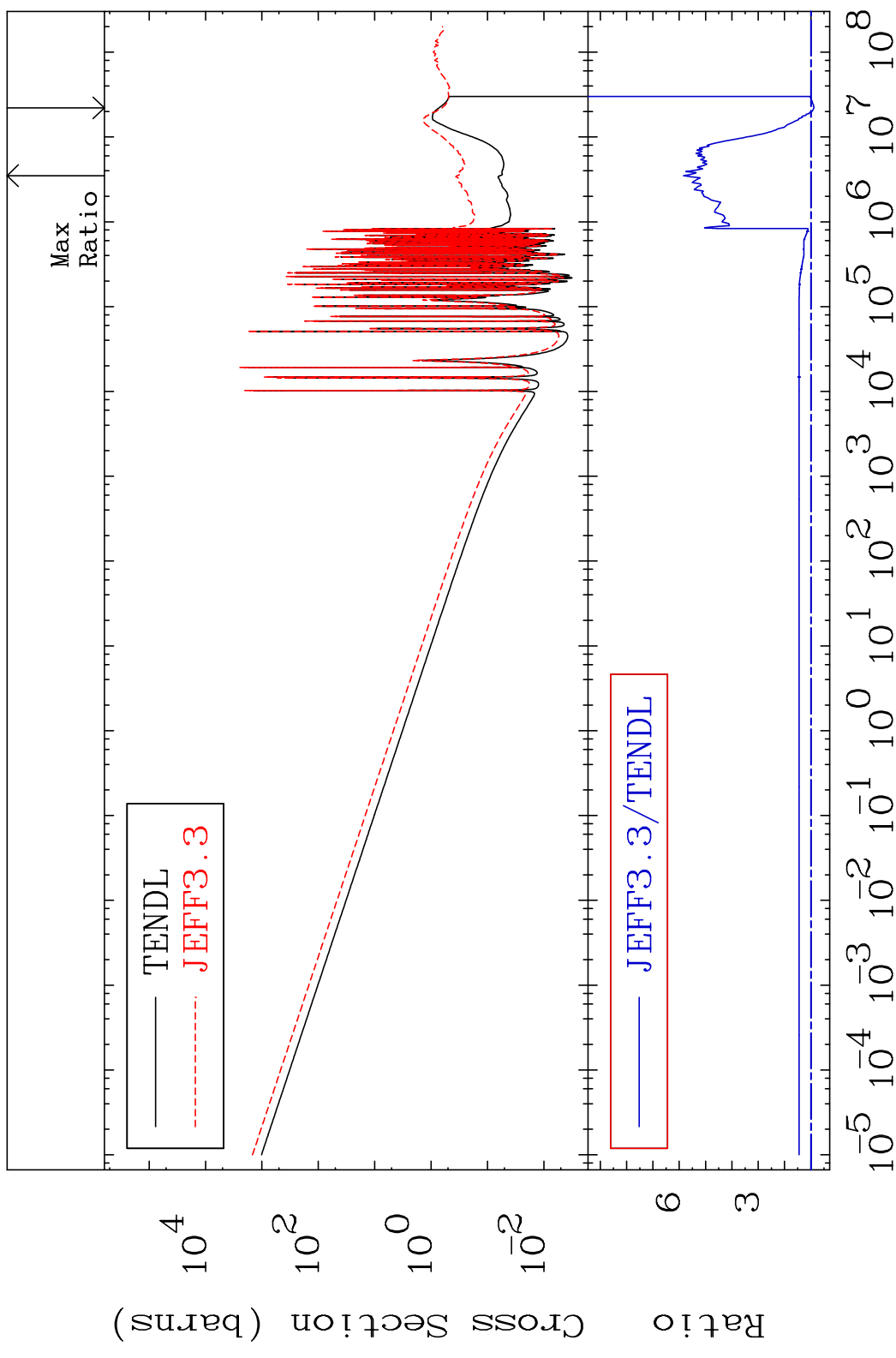


29 Incident Energy (eV) 24-Cr-54

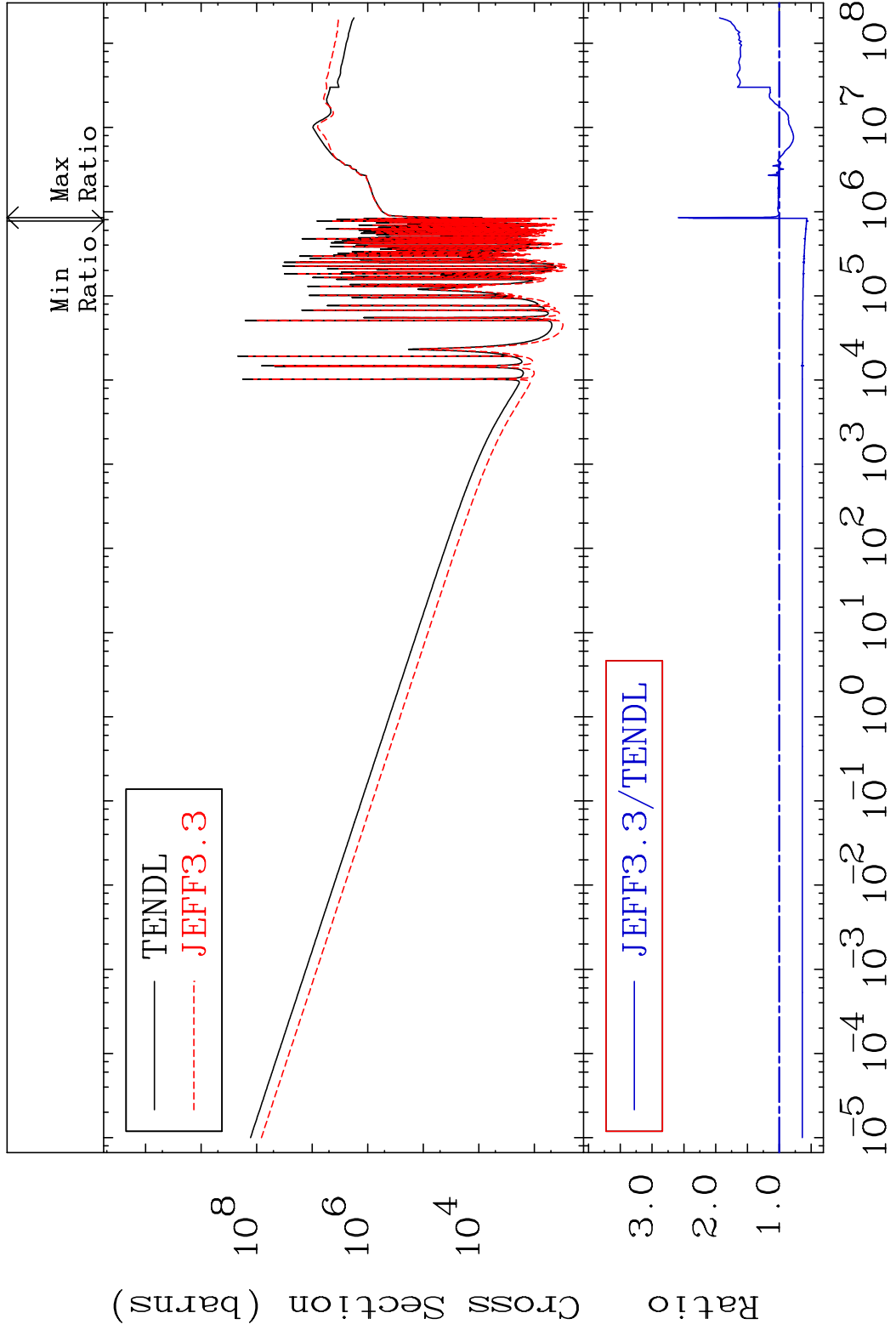
MAT 2437 Kerma fission (mt18 or mt19-20-21-38) 24-Cr-54
 Cross Section -91.52 To 11.40 %



MAT 2437 Kerma capture (mt102) 24-Cr-54
 Cross Section -11.42 To 484.0 %

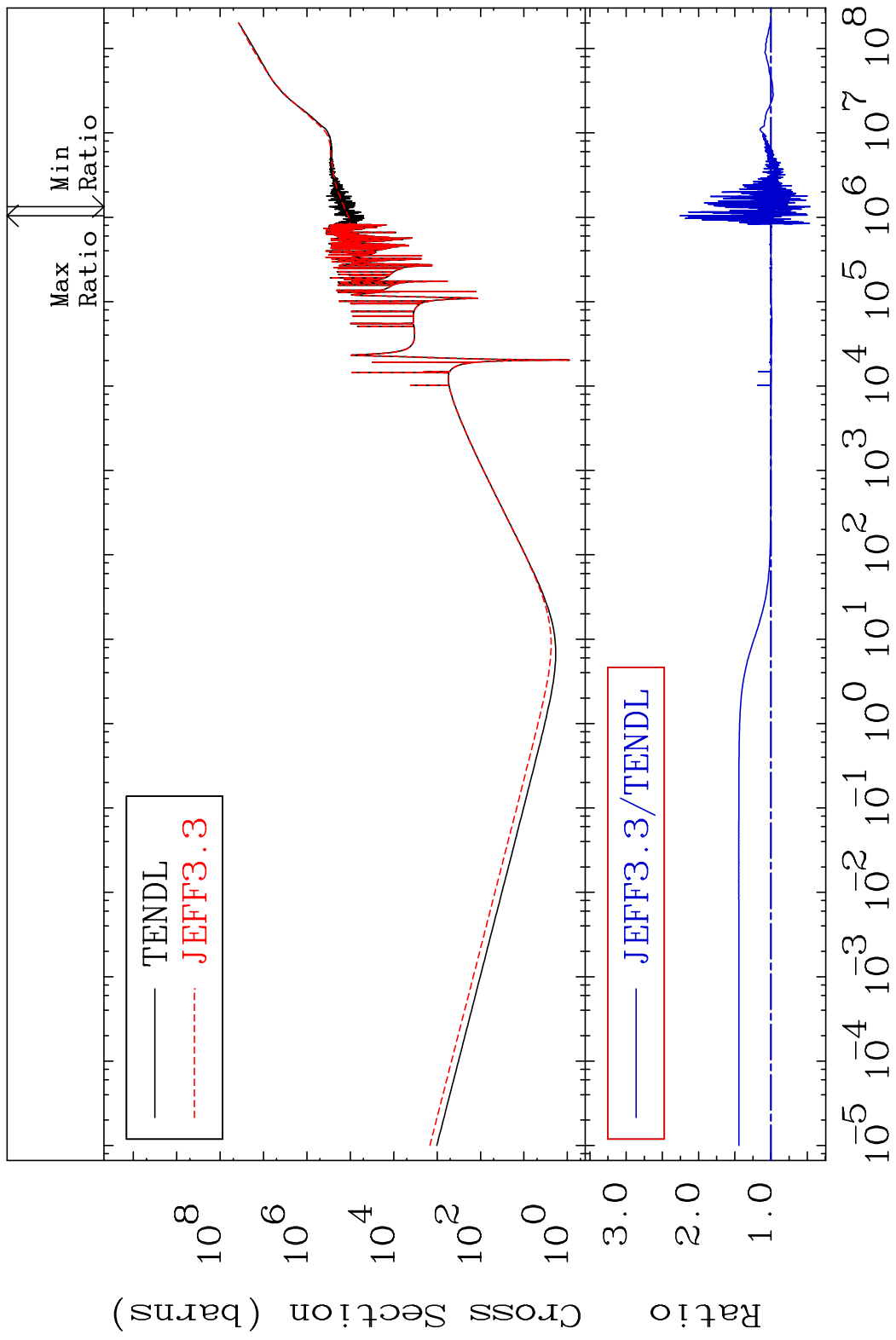


MAT 2437 Total photon (eV-barns) 24-Cr-54
Cross Section -44.69 To 158.9 %

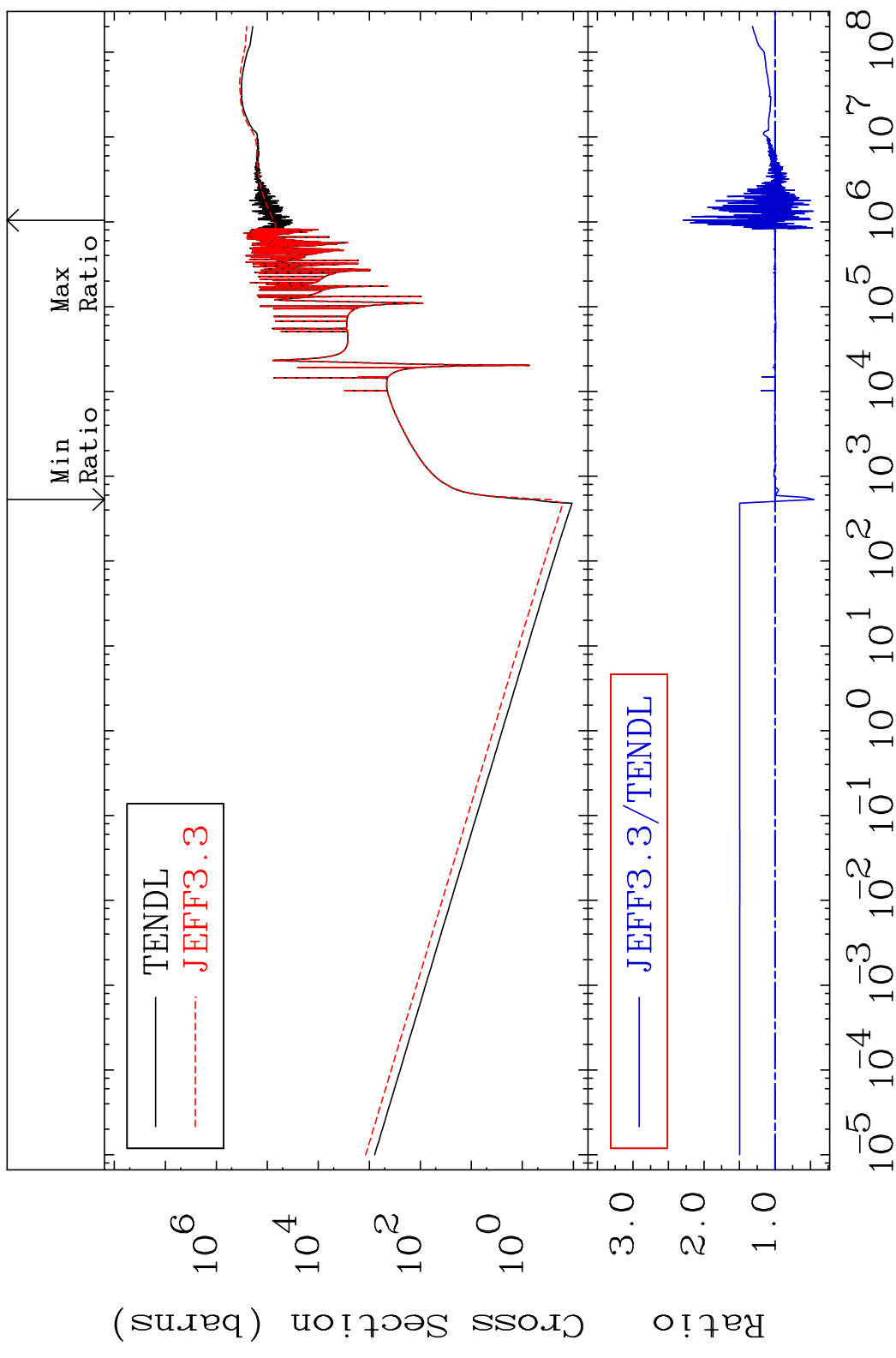


32 Incident Energy (eV) 24-Cr-54

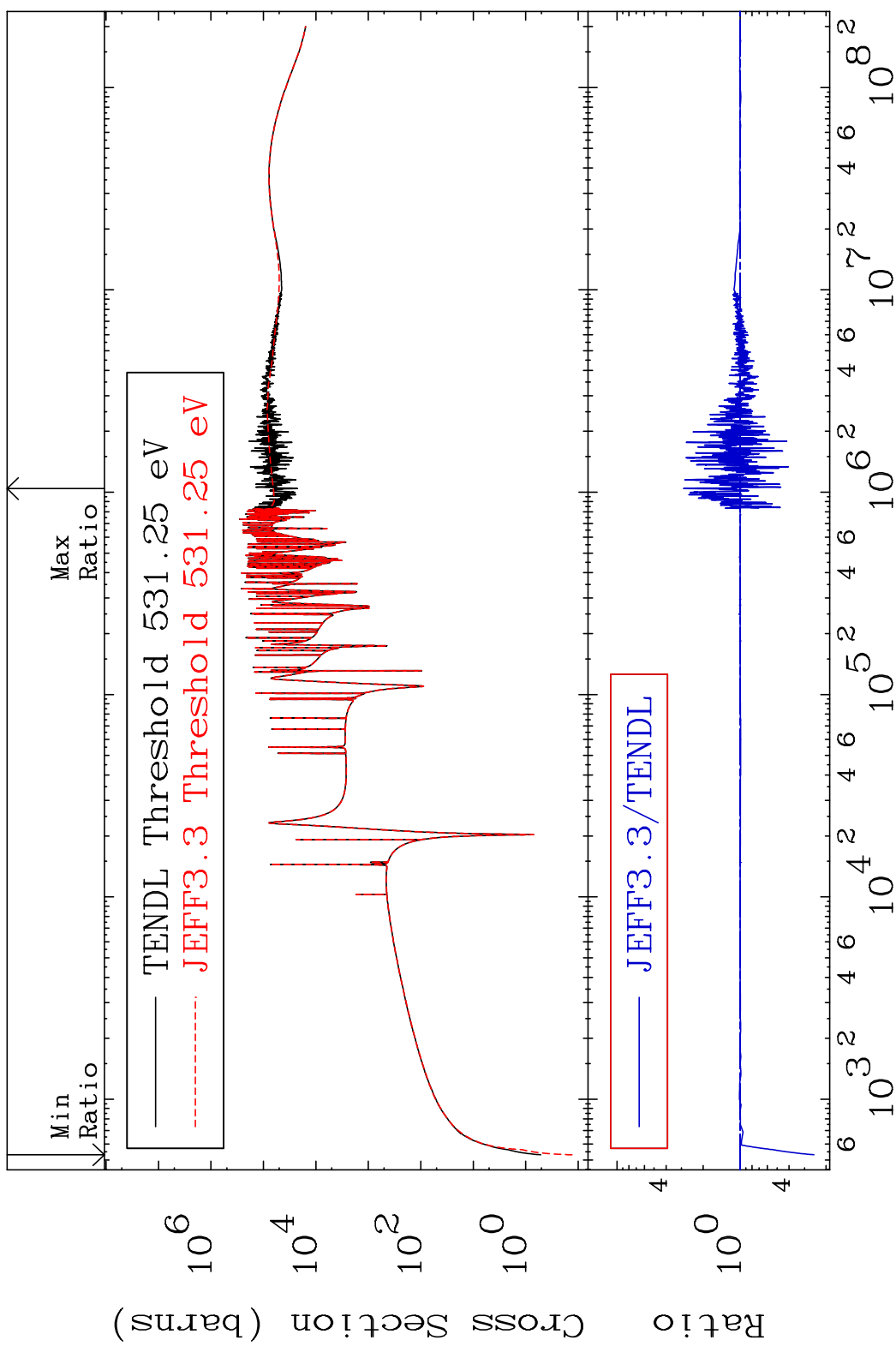
MAT 2437 Total kinematic kerma (high limit) 24-Cr-54
 Cross Section -53.82 To 125.4 %



MAT 2437 Dpa total (eV-barns) 24-Cr-54
 Cross Section -54.76 To 128.9 %

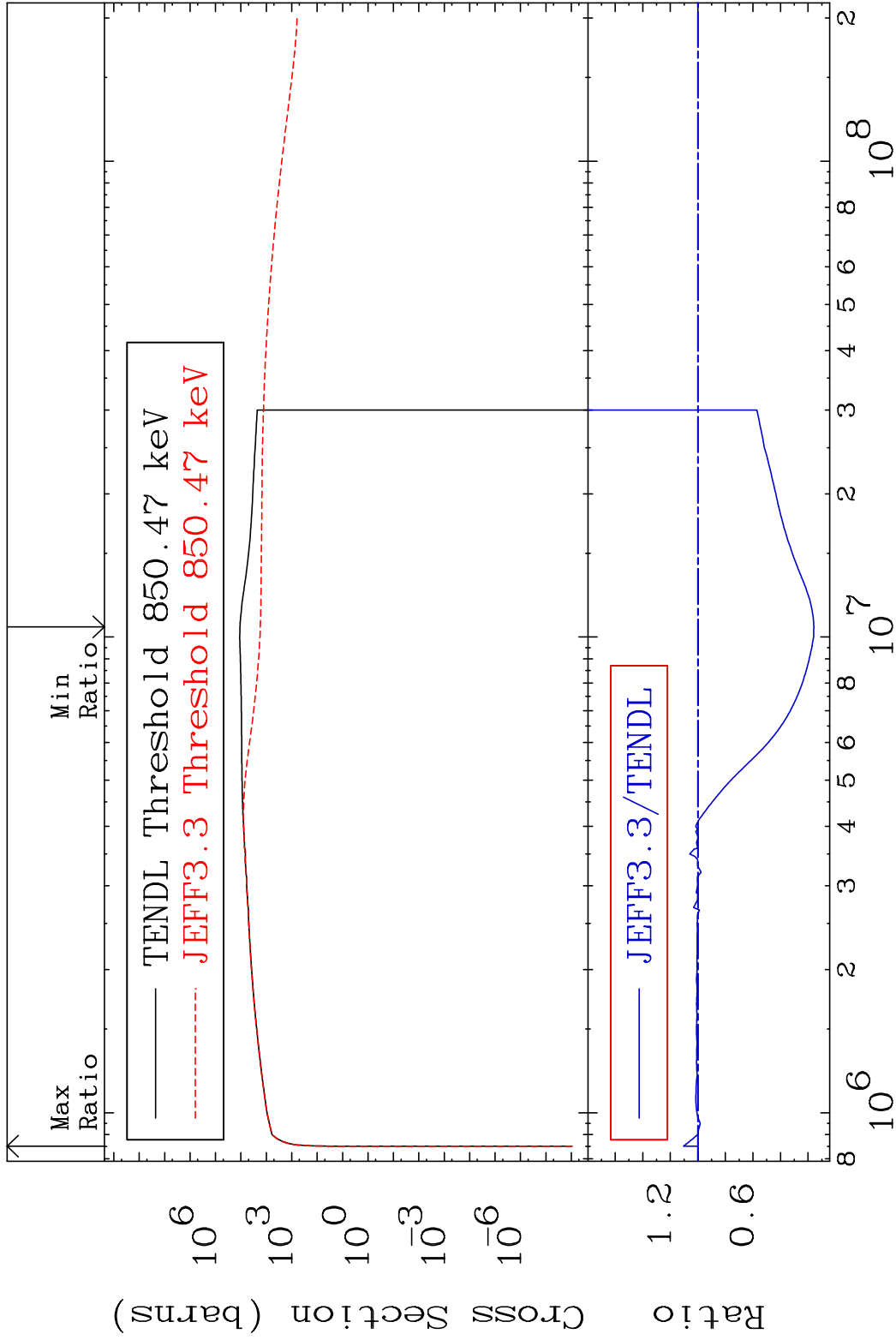


MAT 2437 Dpa elastic (mt2) ²⁴Cr-54
 Cross Section -74.84 To 188.7 %



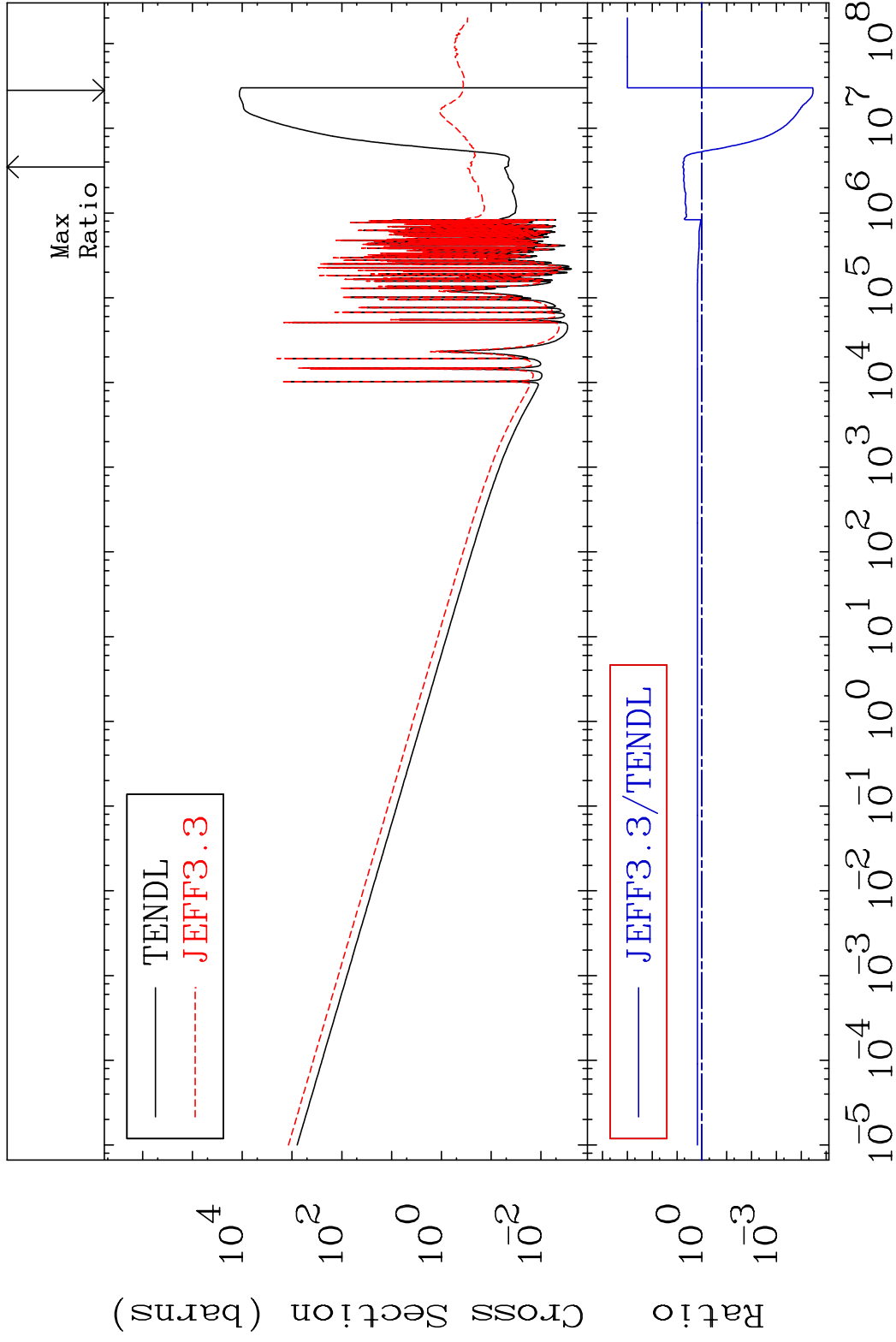
35 Incident Energy (eV) ²⁴Cr-54

MAT 2437 Dpa inelastic (mt51-91) 24-Cr-54
 Cross Section -84.23 To 10.44 %



36 Incident Energy (eV) 24-Cr-54

MAT 2437 Dpa disappearance (mt102 -120) 24-Cr-54
 Cross Section -100.0 To 485.4 %



37 Incident Energy (eV) 24-Cr-54