

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

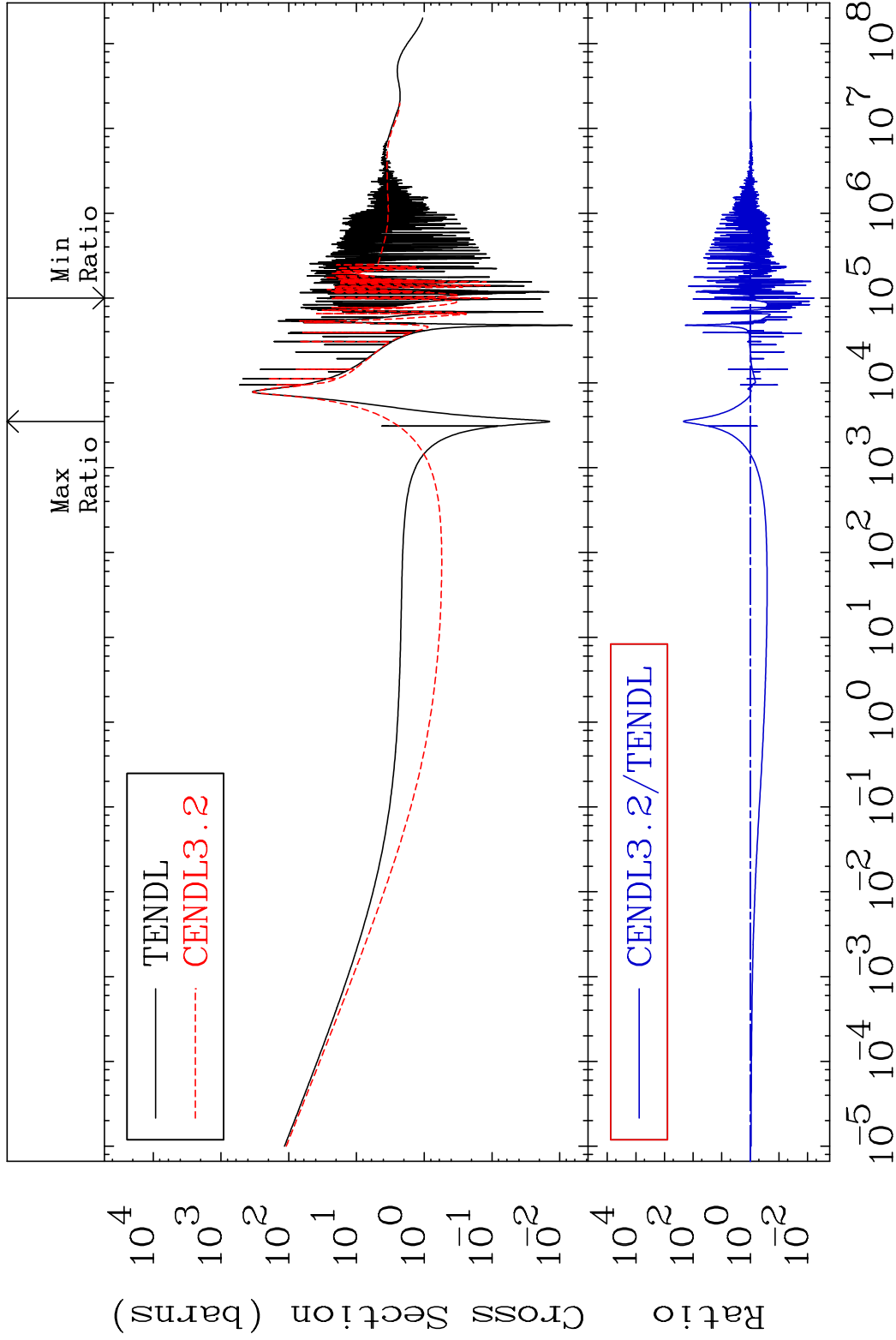
U.S.A.

Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 2625 Total 26-Fe-54
 Cross Section -99.40 To 9999. %



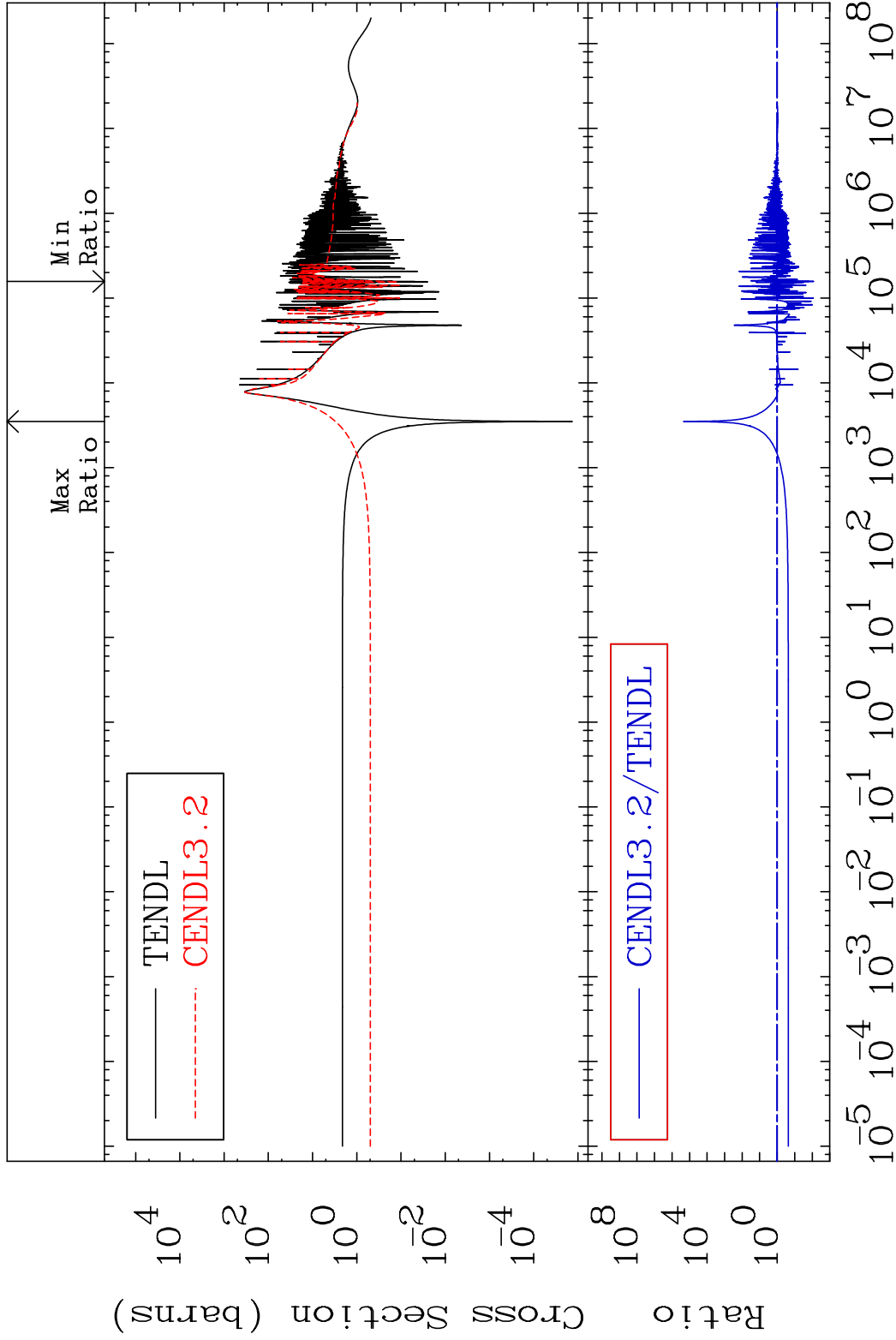
1 Incident Energy (eV) 26-Fe-54

MAT 2625

Elastic

²⁶Fe-54

Cross Section -99.19 To 9999. %

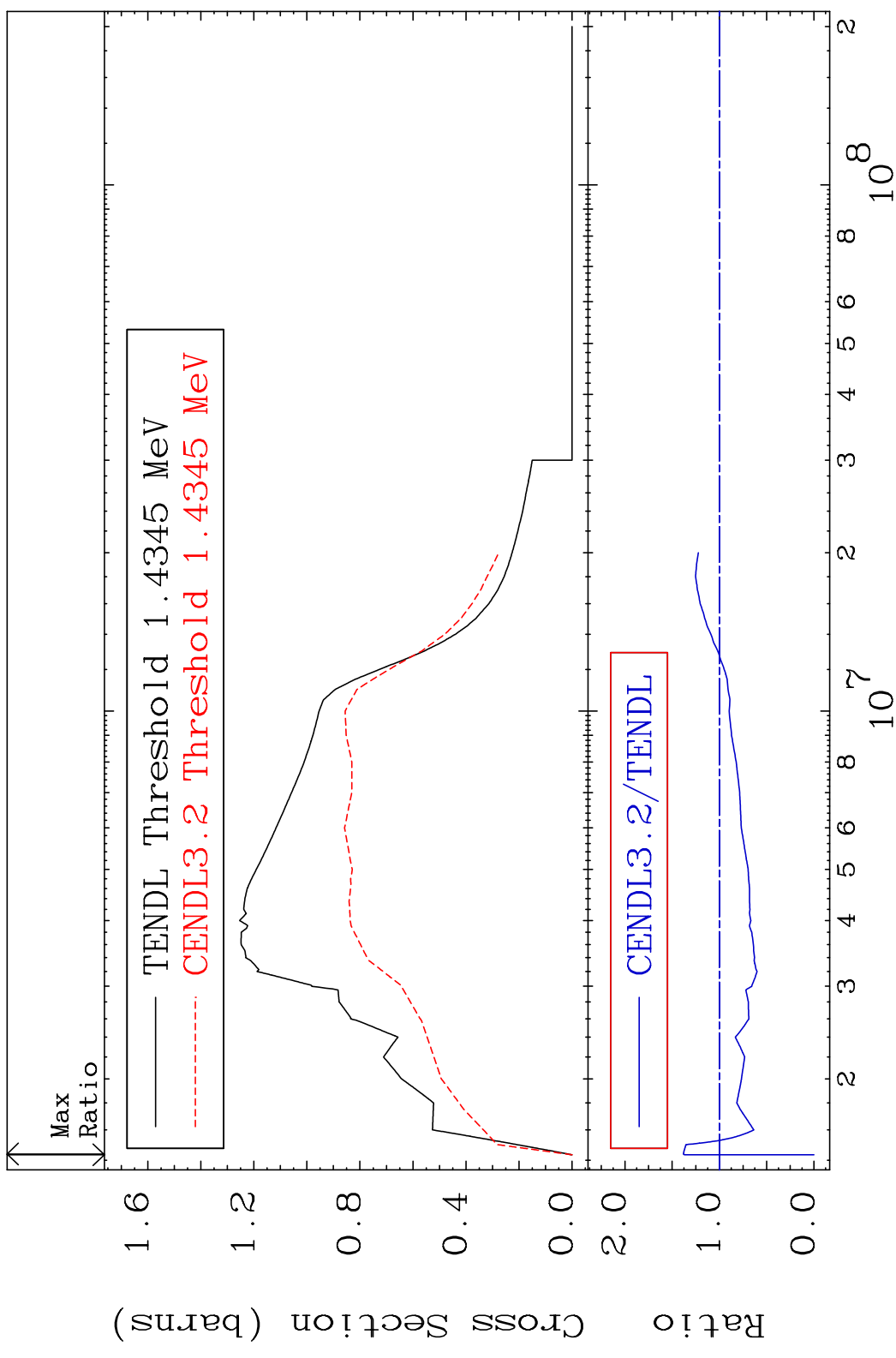


2

Incident Energy (eV)

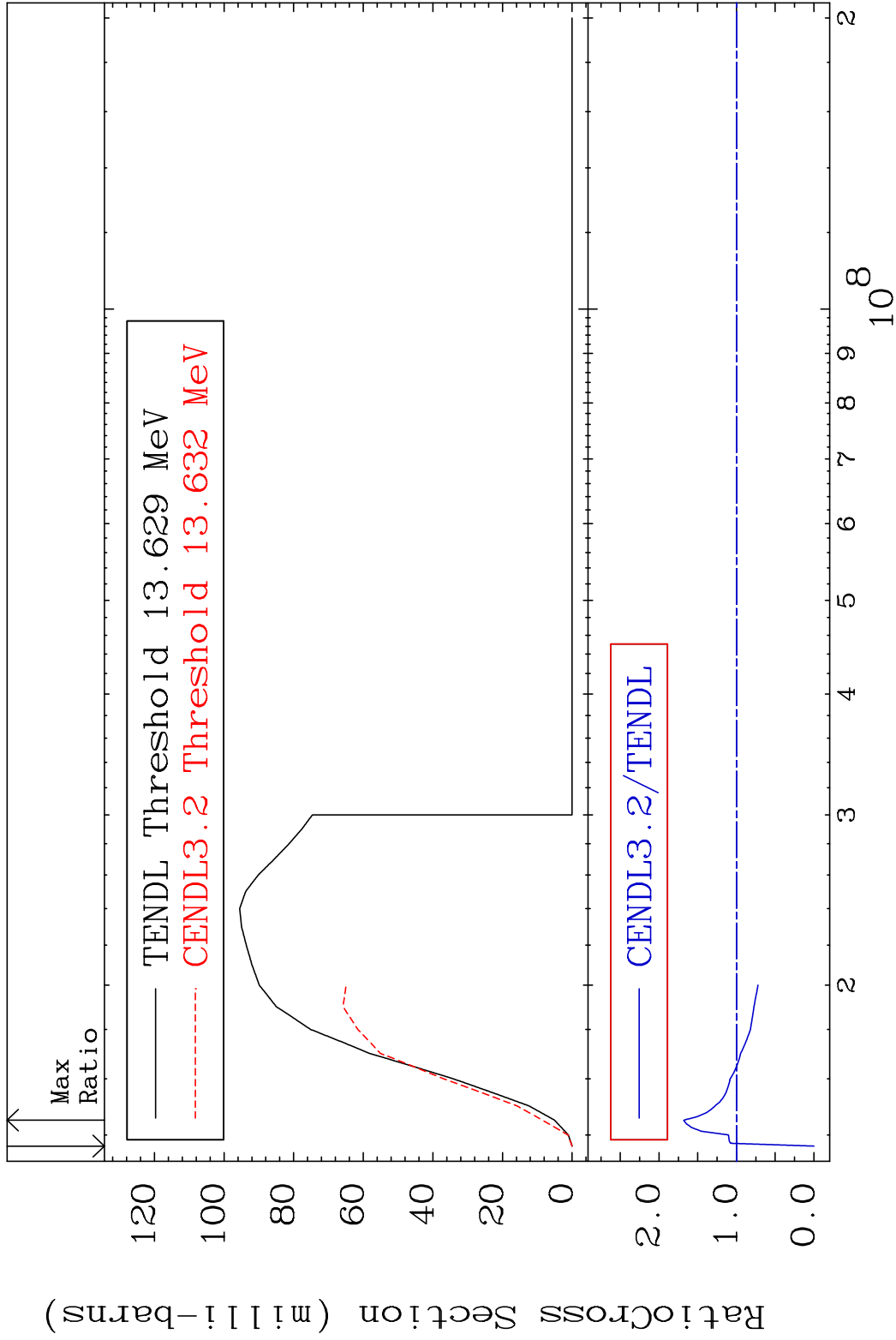
²⁶Fe-54

MAT 2625 Inelastic ²⁶Fe-54
 Cross Section -100.0 To 38.06 %

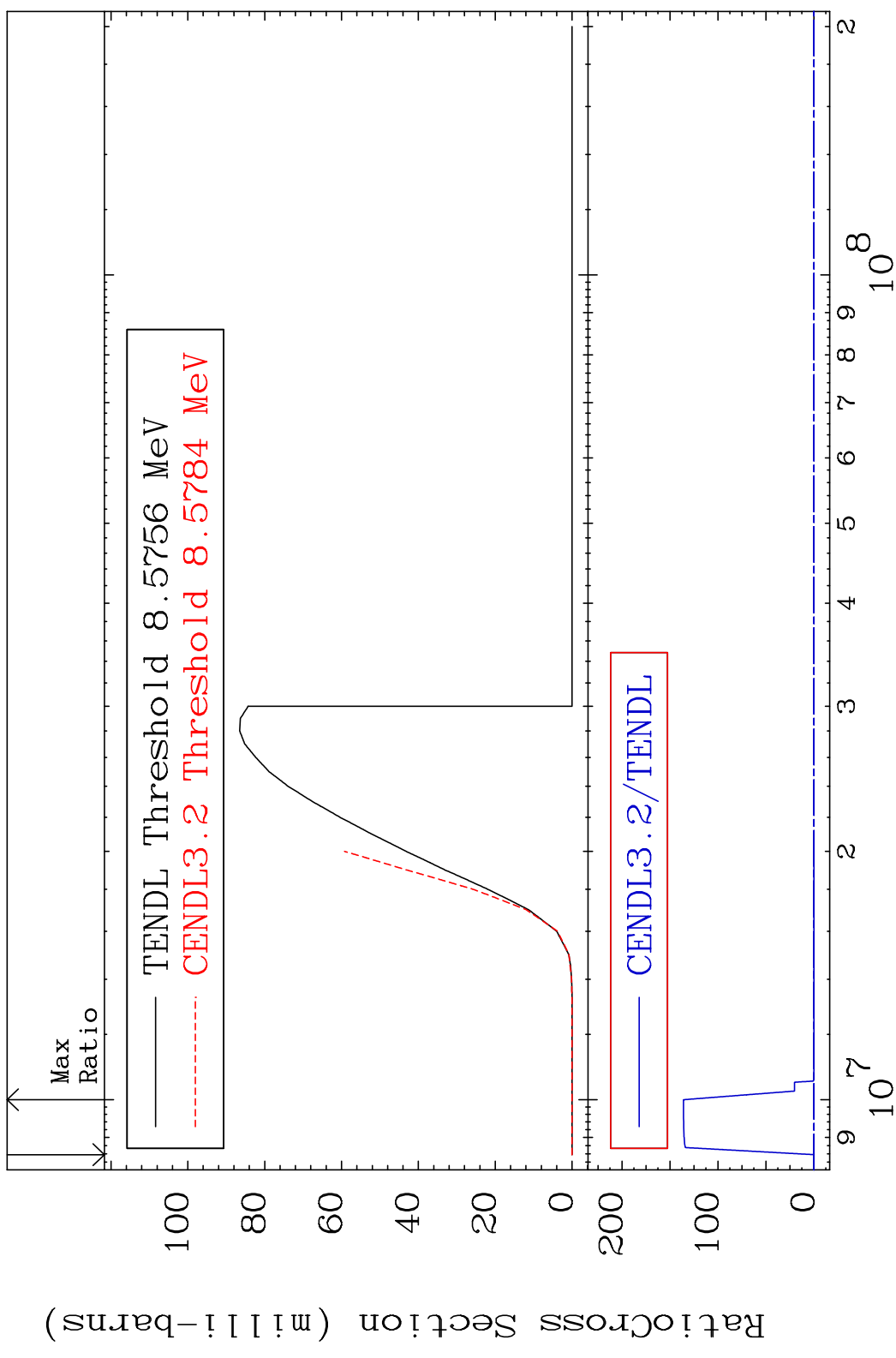


3 Incident Energy (eV) ²⁶Fe-54

MAT 2625 (n,2n) ²⁶Fe-54
 Cross Section -100.0 To 68.42 %

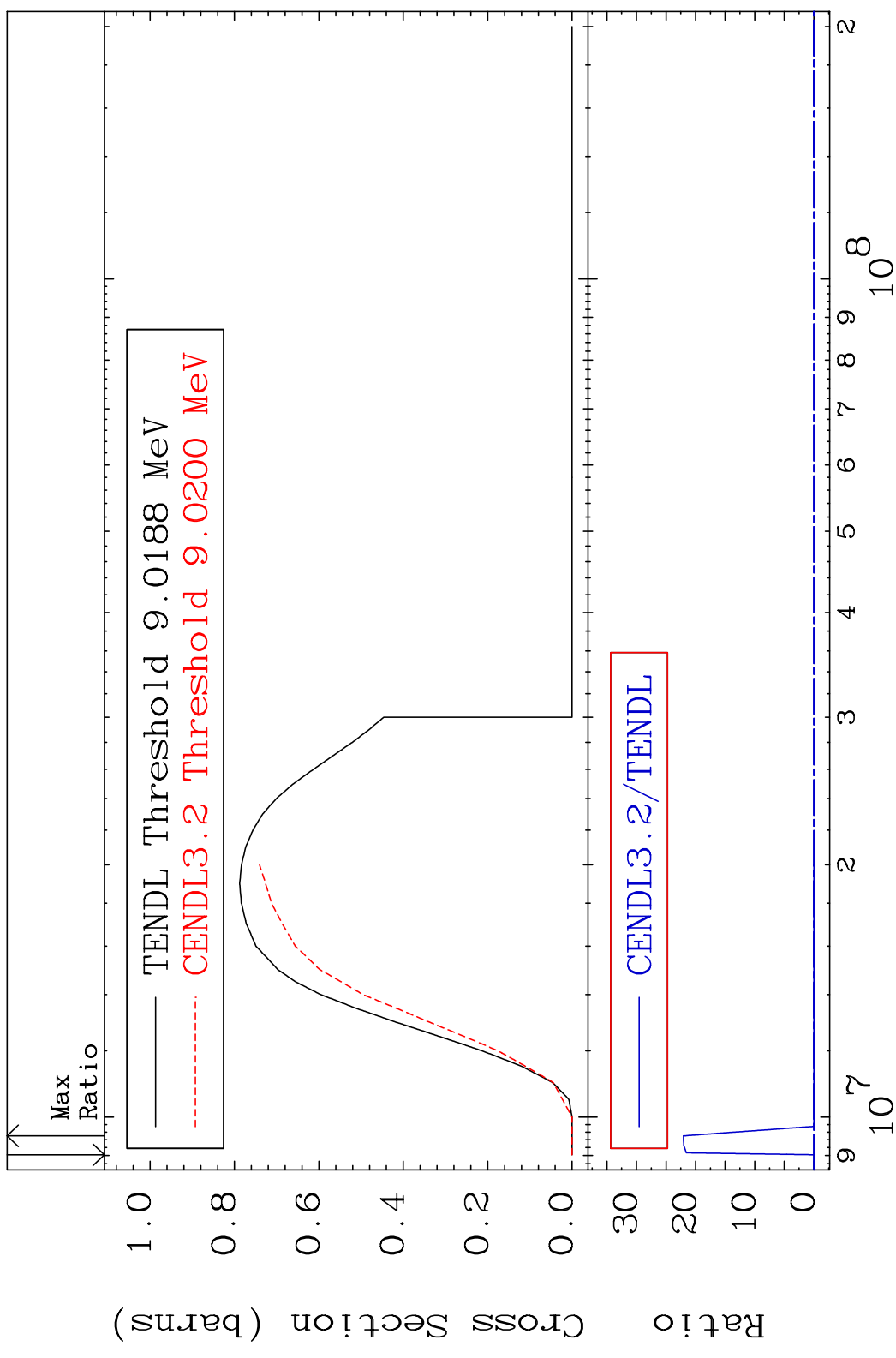


MAT 2625 (n, n') α ²⁶Fe-54
 Cross Section -100.0 To 9999. %



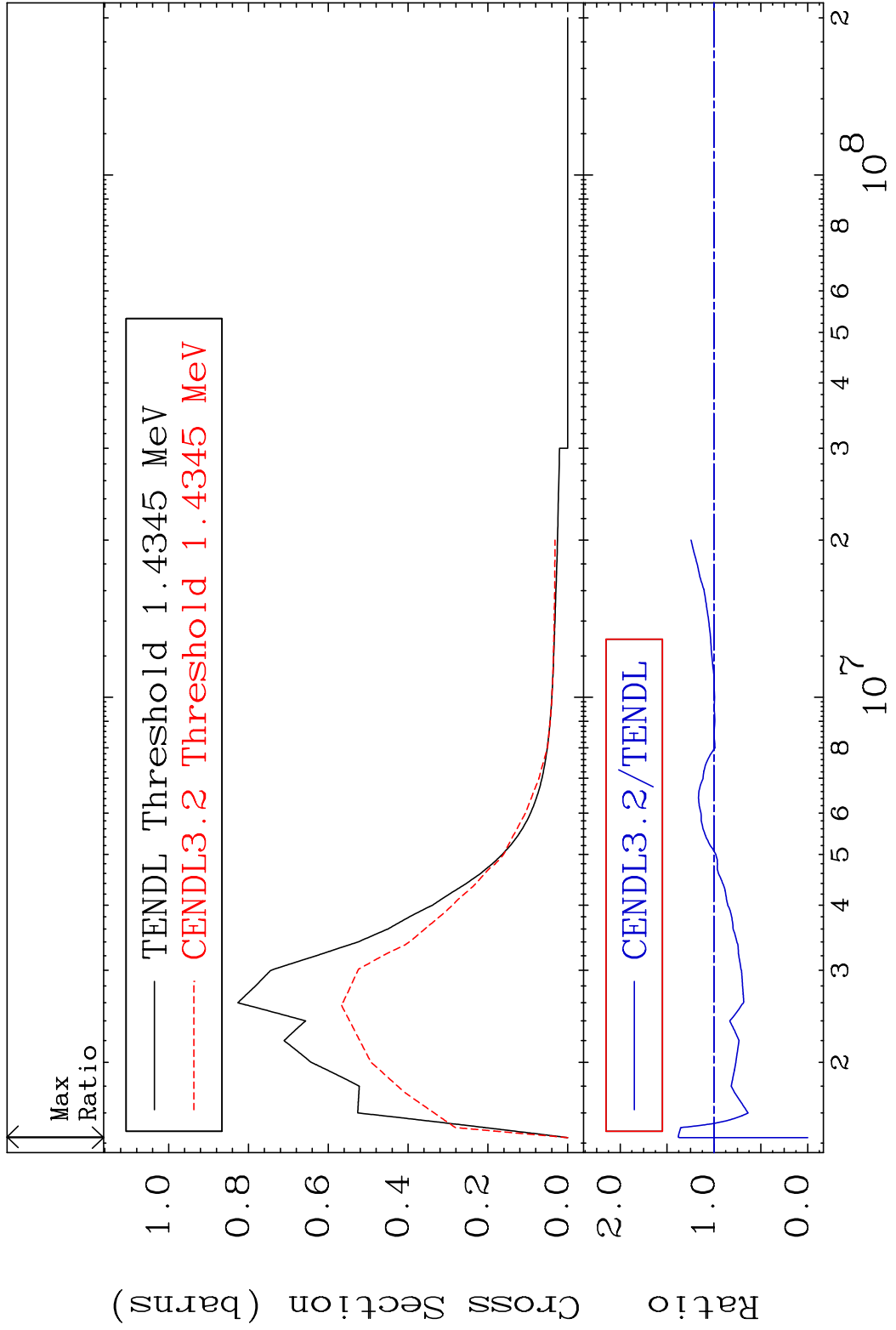
5 Incident Energy (eV) ²⁶Fe-54

MAT 2625 (n, n') p 26-Fe-54
 Cross Section -100.0 To 9999. %

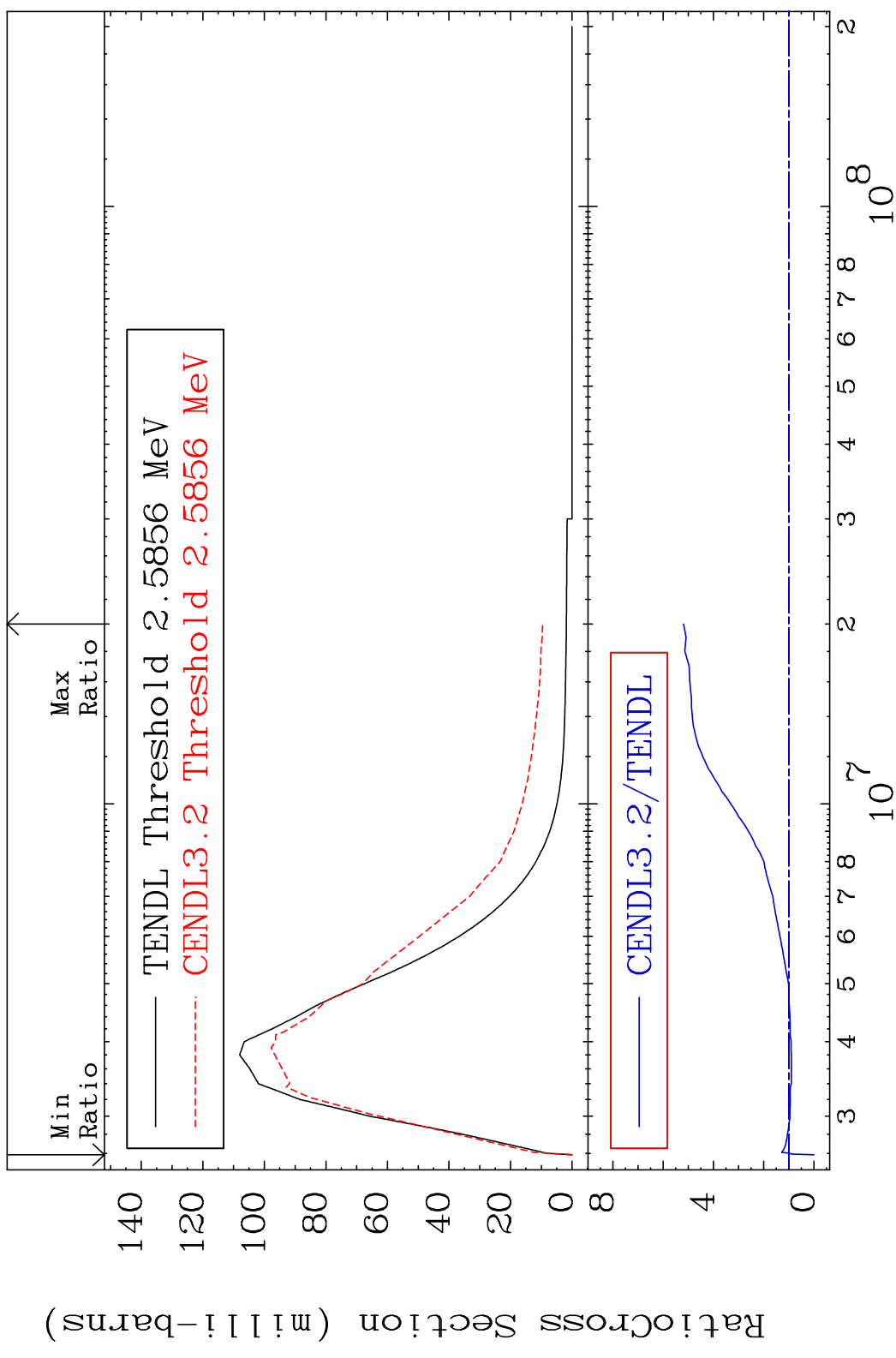


6 Incident Energy (eV) 26-Fe-54

MAT 2625 MT= 51 (n, n') Level 26-Fe-54
 Cross Section -100.0 To 38.06 %

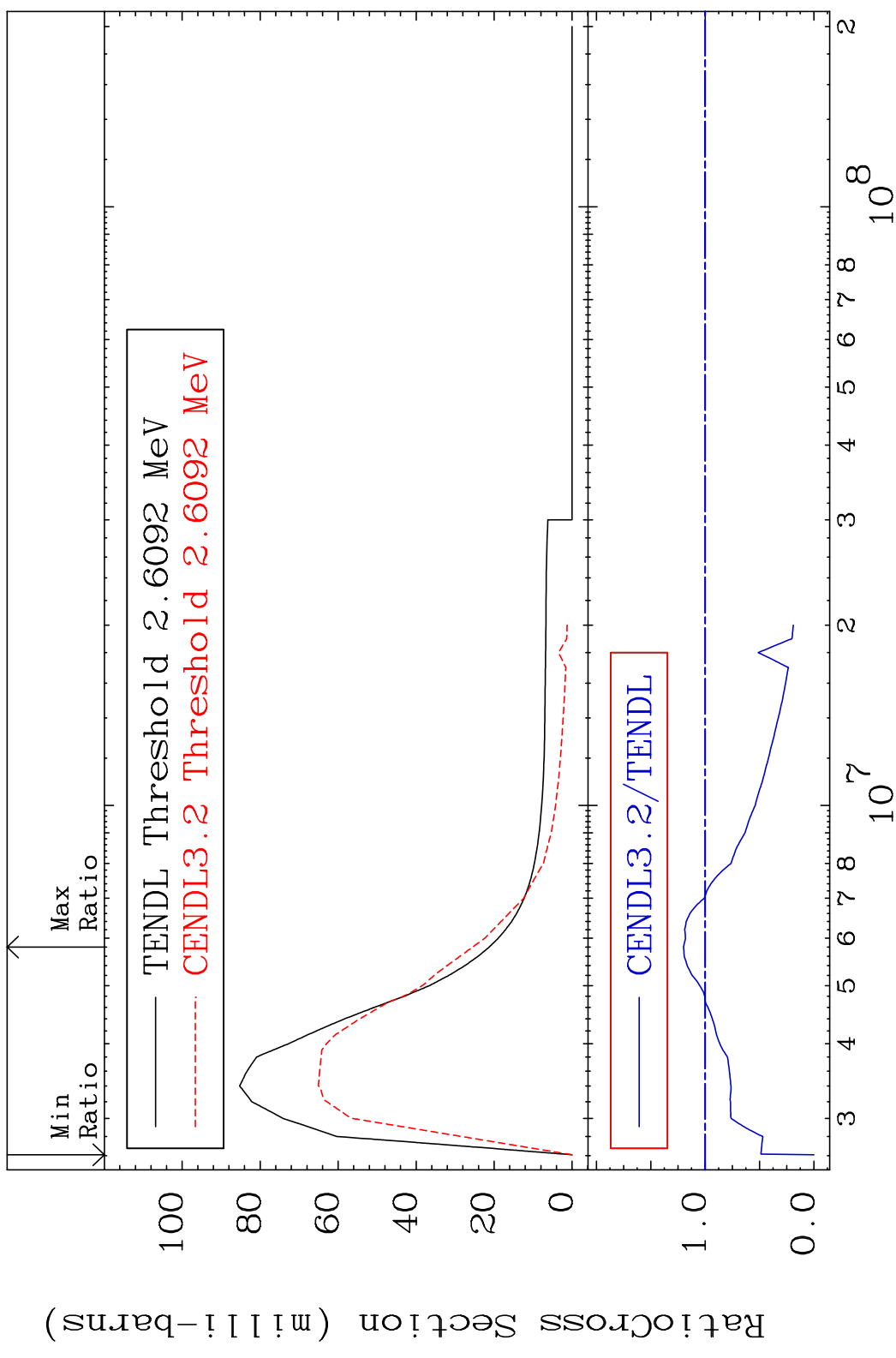


MAT 2625 MT= 52 (n, n') Level 26-Fe-54
 Cross Section -100.0 To 419.2 %

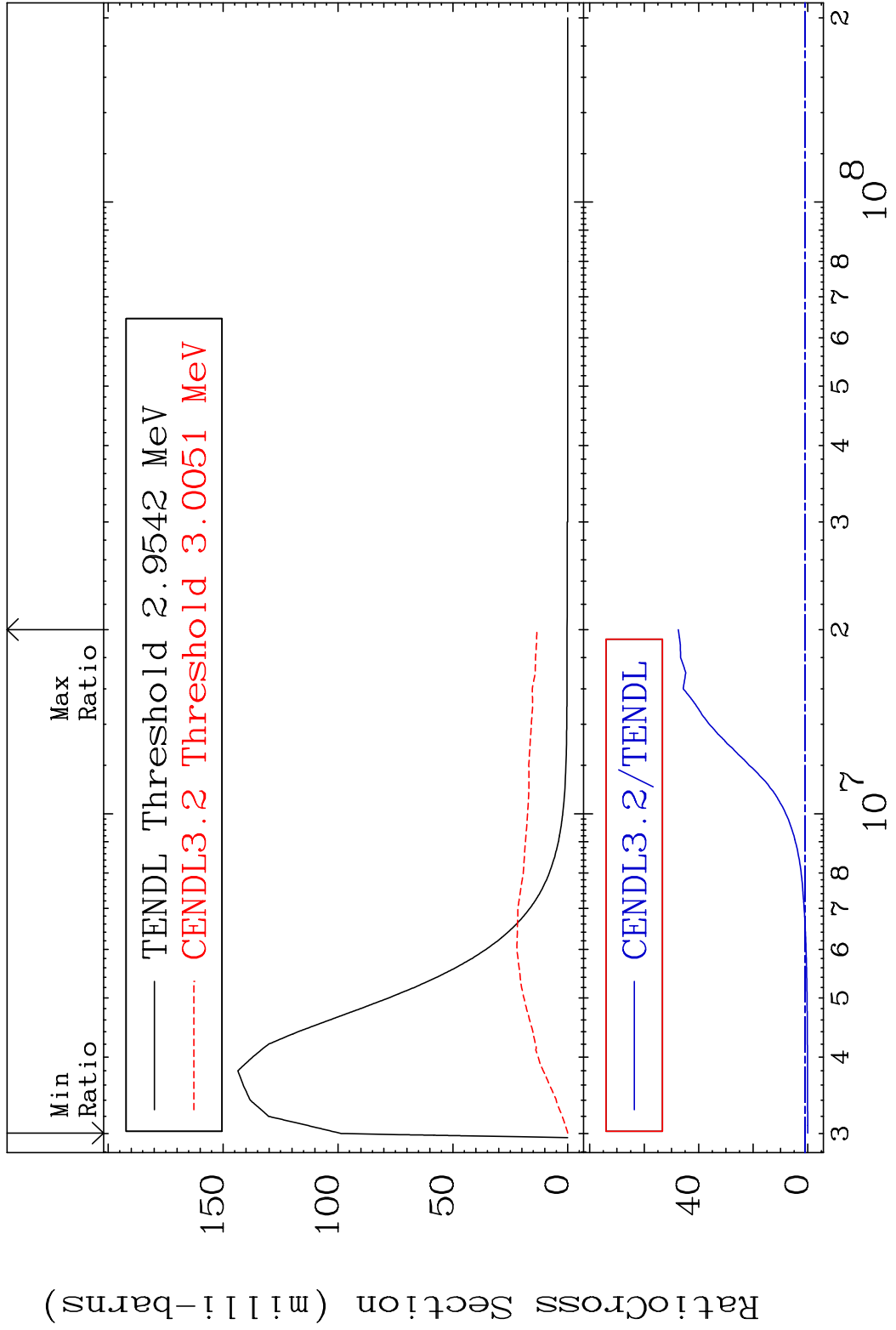


8 Incident Energy (eV) 26-Fe-54

MAT 2625 MT= 53 (n, n') Level 26-Fe-54
 Cross Section -100.0 To 19.97 %

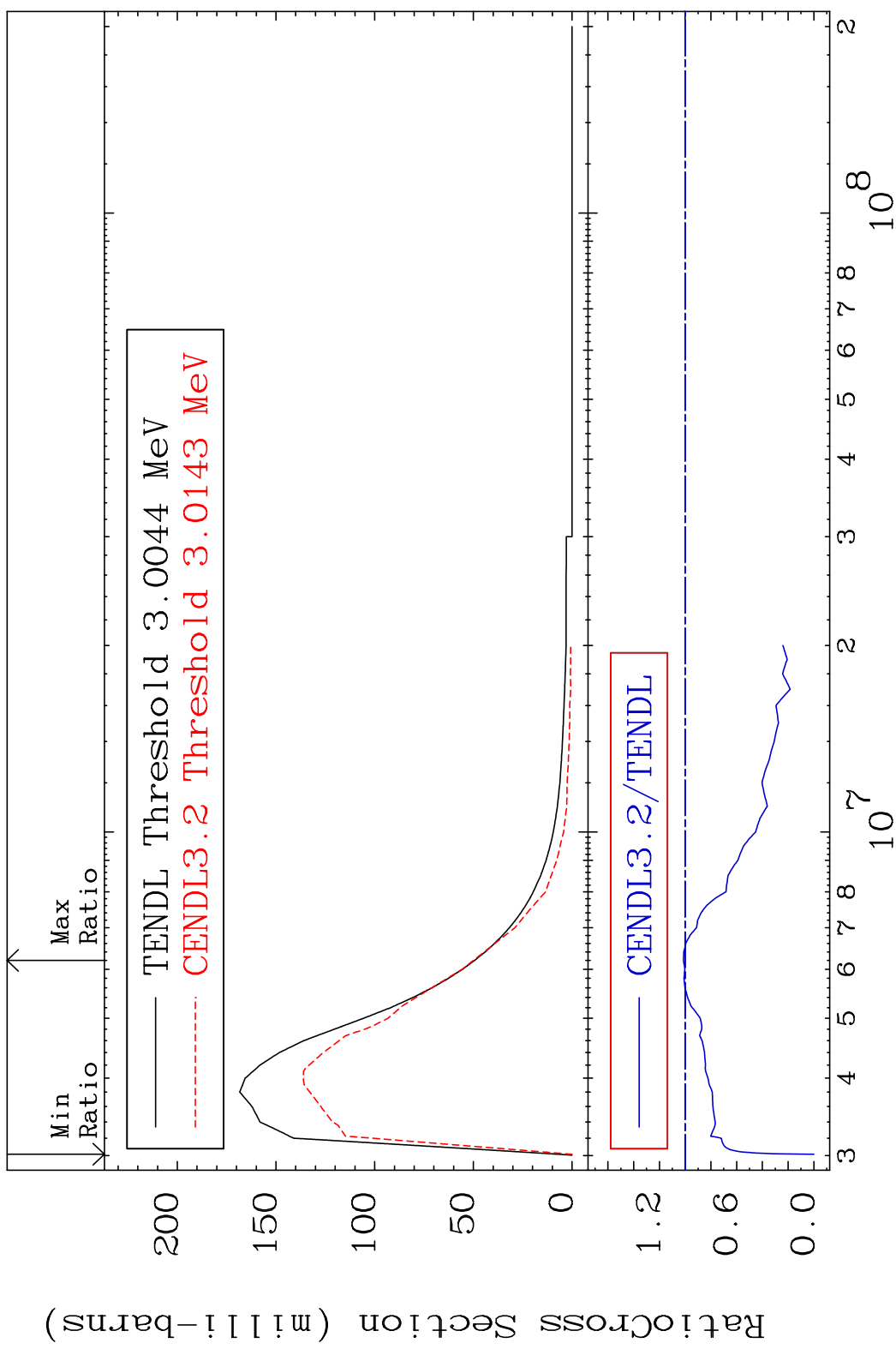


MAT 2625 MT= 54 (n, n') Level 26-Fe-54
 Cross Section -100.0 To 4650. %



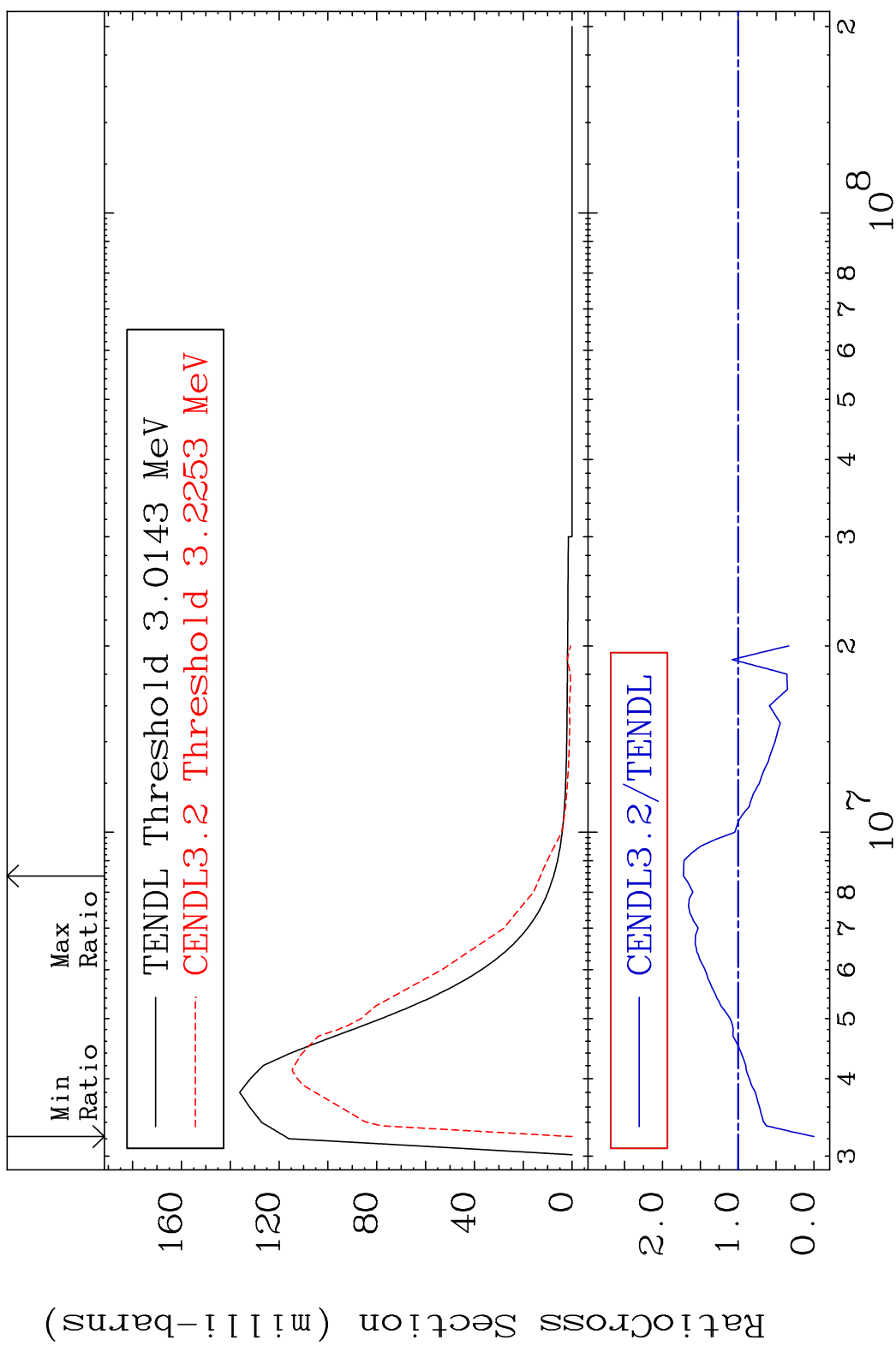
10 Incident Energy (eV) 26-Fe-54

MAT 2625 MT= 55 (n, n') Level 26-Fe-54
 Cross Section -100.0 To 1.338 %



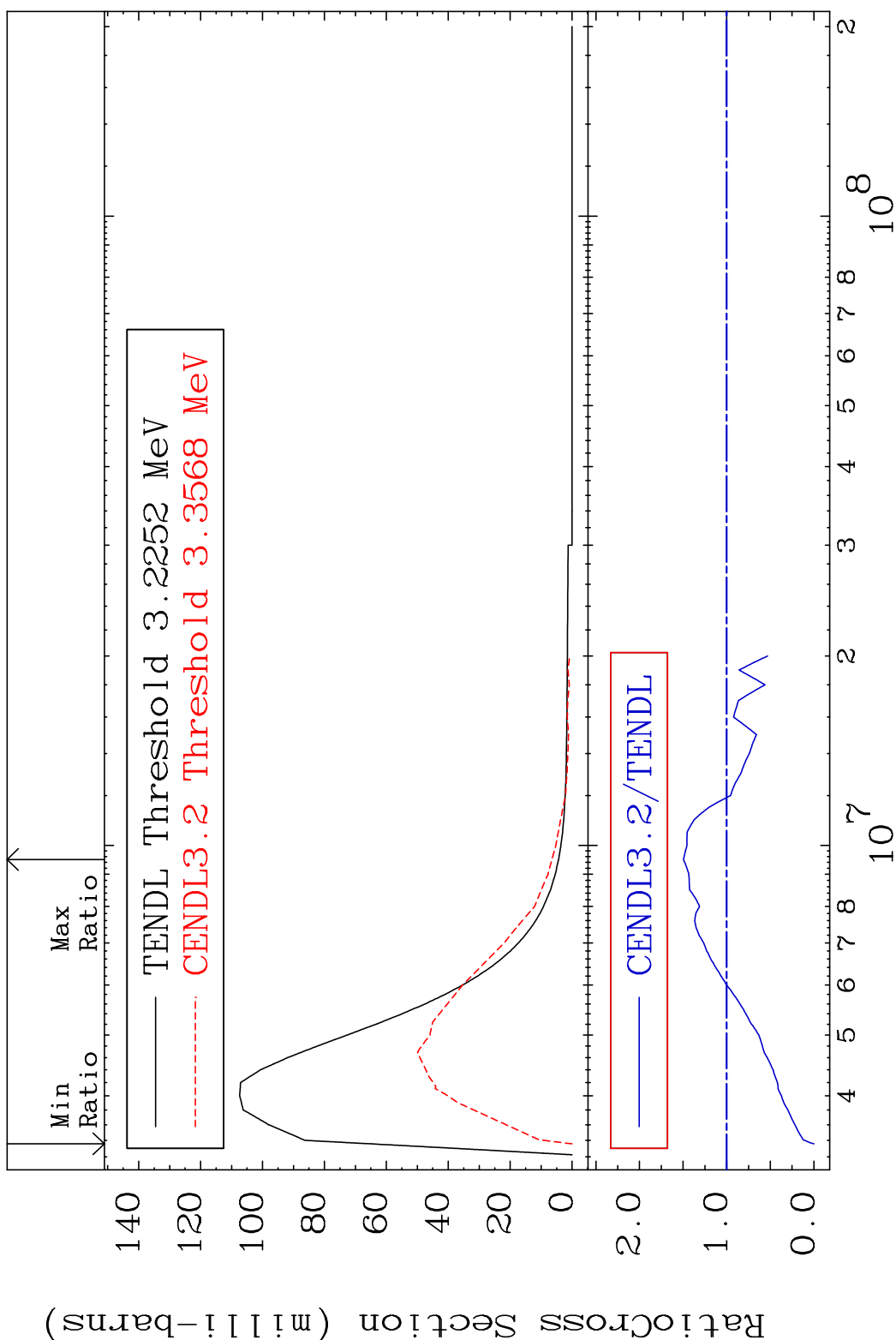
11 Incident Energy (eV) 26-Fe-54

MAT 2625 MT= 56 (n, n') Level 26-Fe-54
 Cross Section -100.0 To 72.23 %

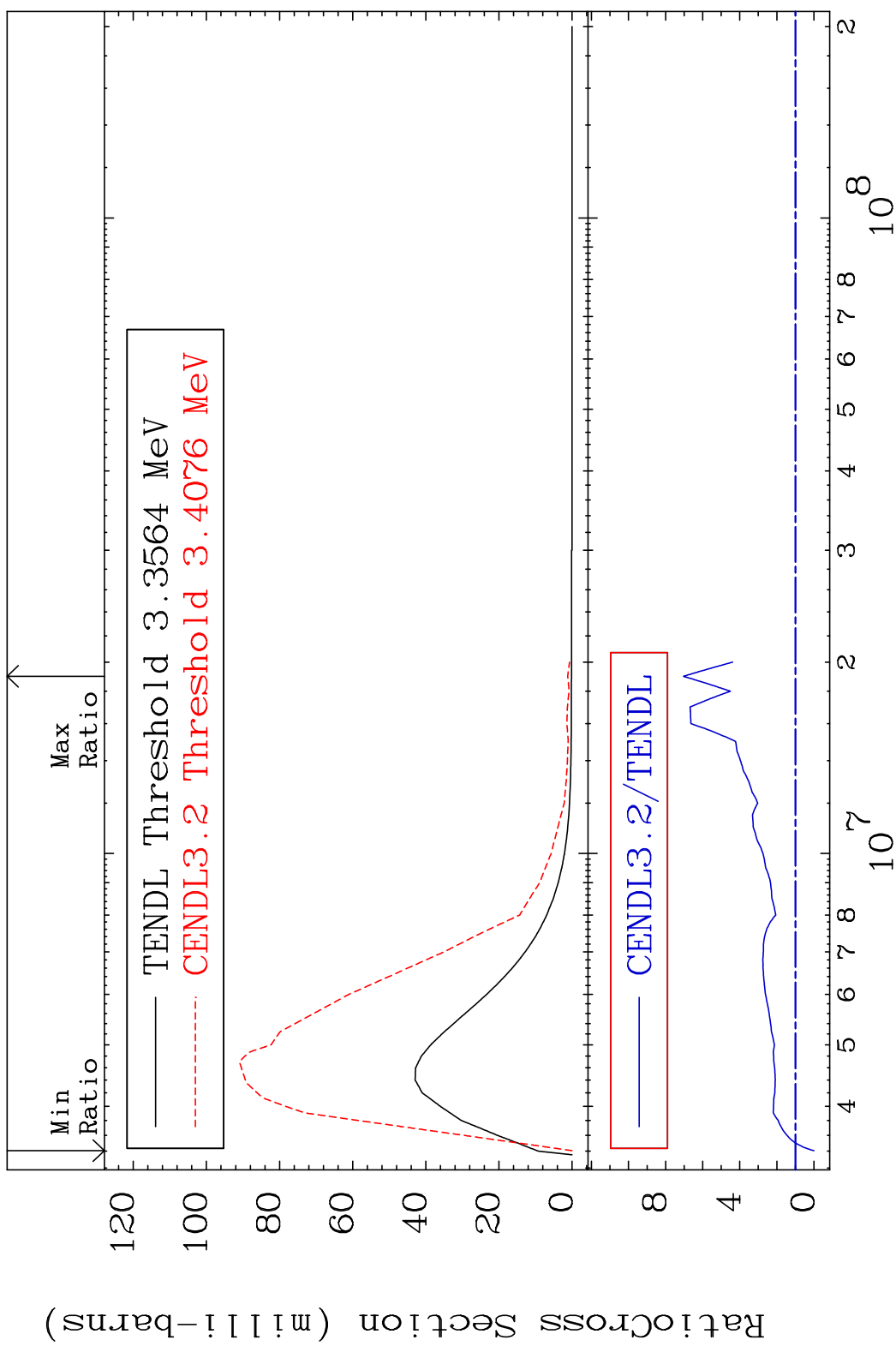


12 26-Fe-54

MAT 2625 MT= 57 (n, n') Level 26-Fe-54
 Cross Section -100.0 To 49.60 %

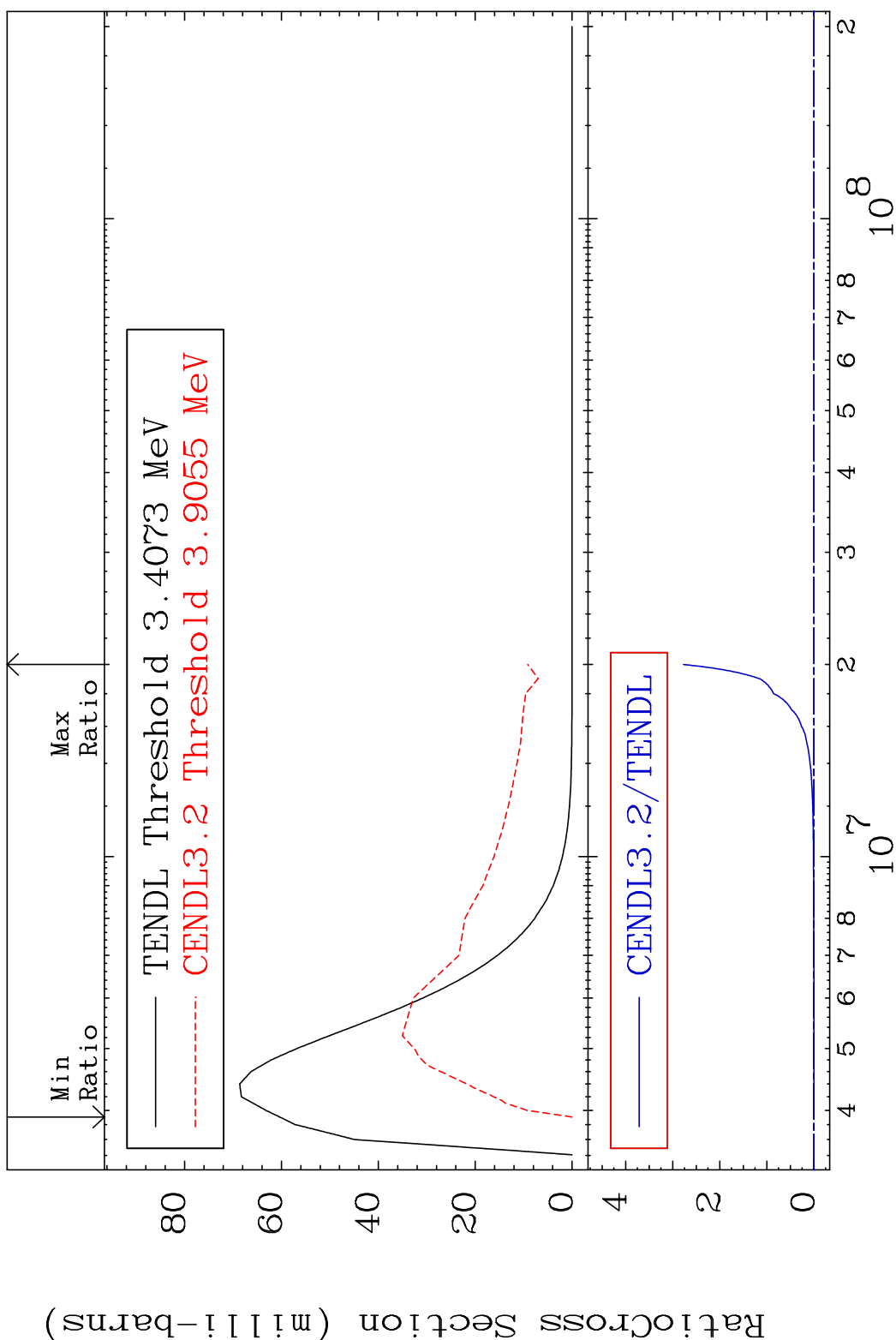


MAT 2625 MT= 58 (n, n') Level 26-Fe-54
 Cross Section -100.0 To 603.7 %



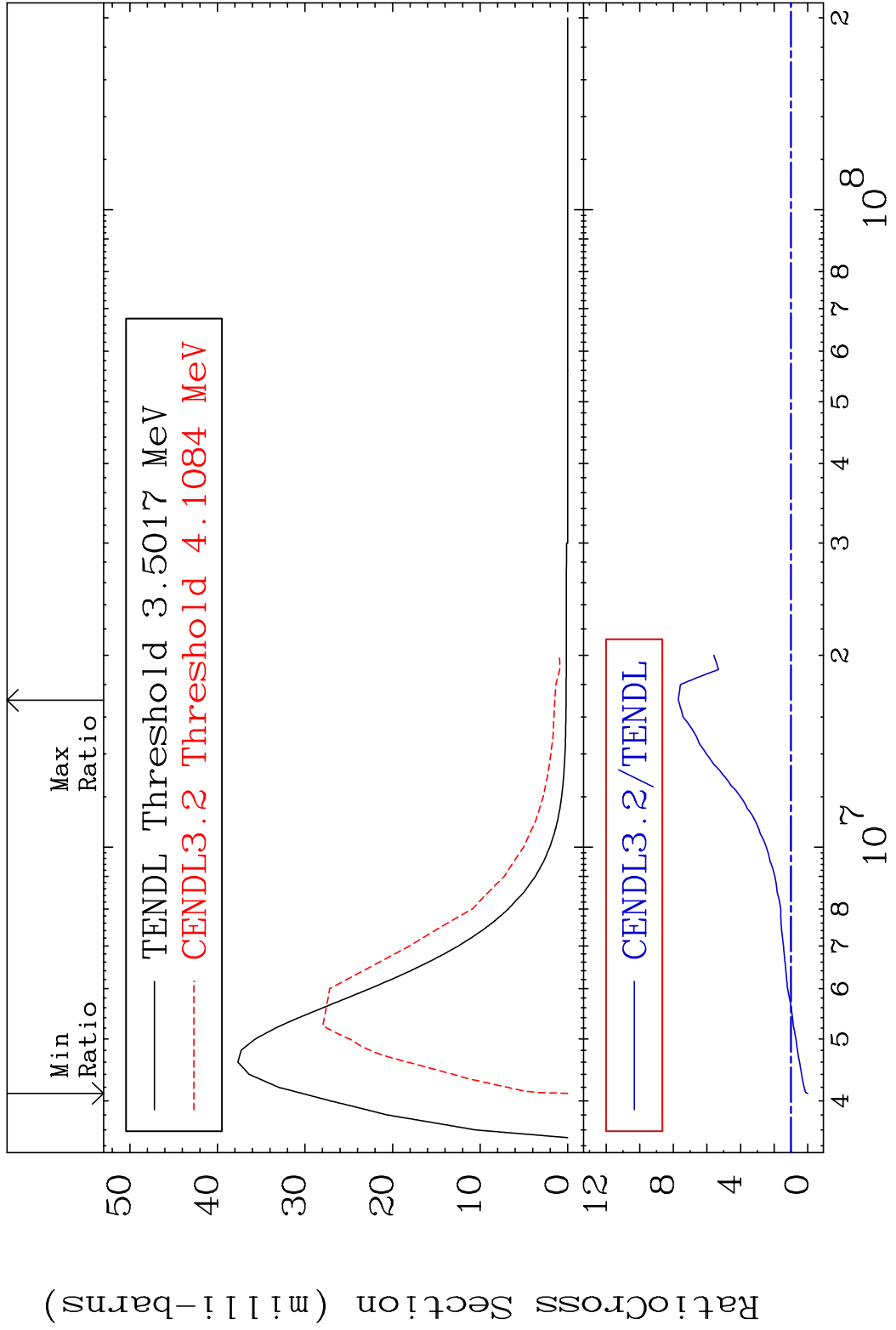
14 Incident Energy (eV) 26-Fe-54

MAT 2625 MT= 59 (n, n') Level 26-Fe-54
 Cross Section -100.0 To 9999. %



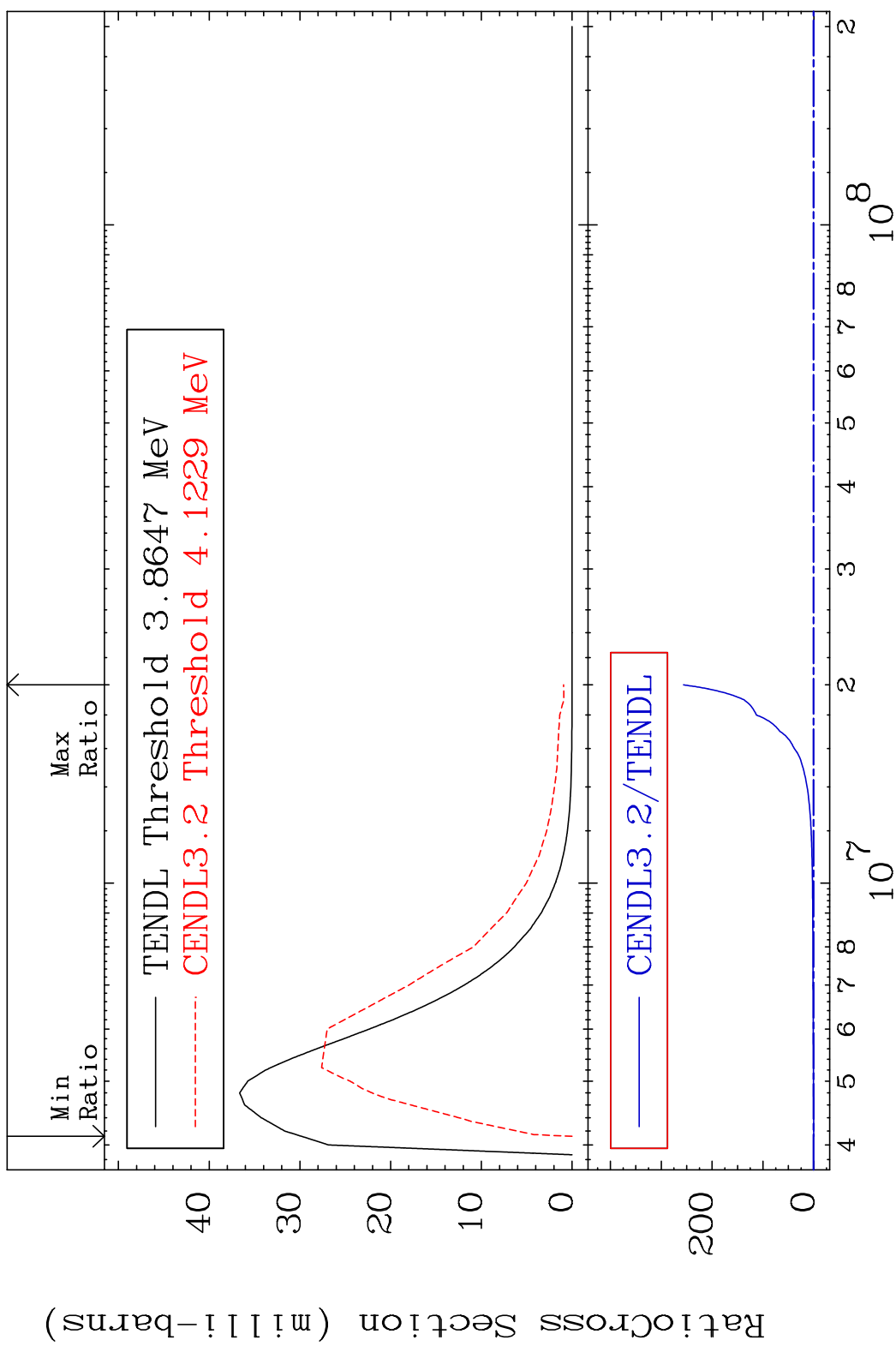
15 Incident Energy (eV) 26-Fe-54

MAT 2625 MT= 60 (n, n') Level 26-Fe-54
 Cross Section -100.0 To 670.8 %



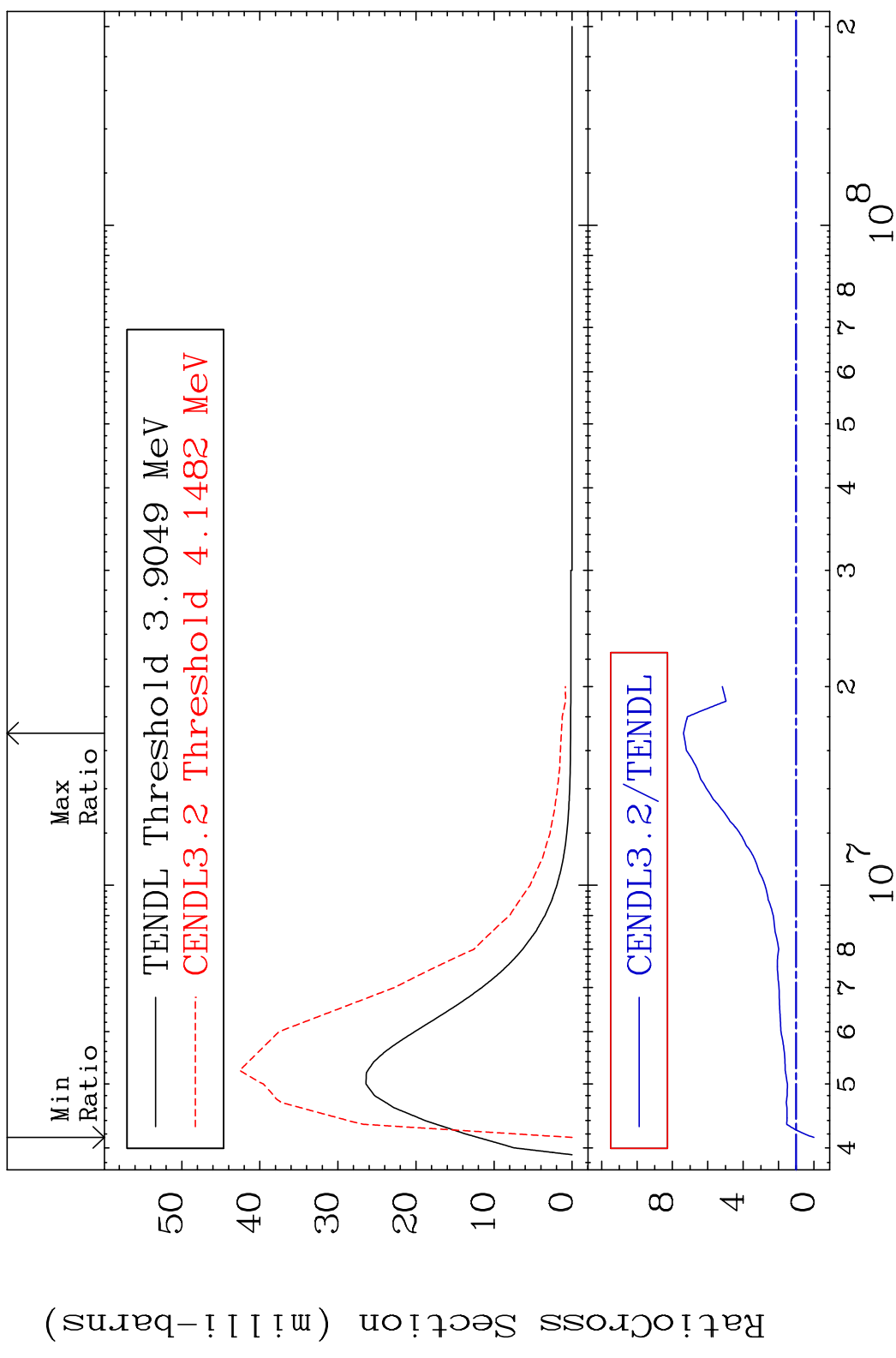
16 Incident Energy (eV) 26-Fe-54

MAT 2625 MT= 61 (n, n') Level 26-Fe-54
 Cross Section -100.0 To 9999. %



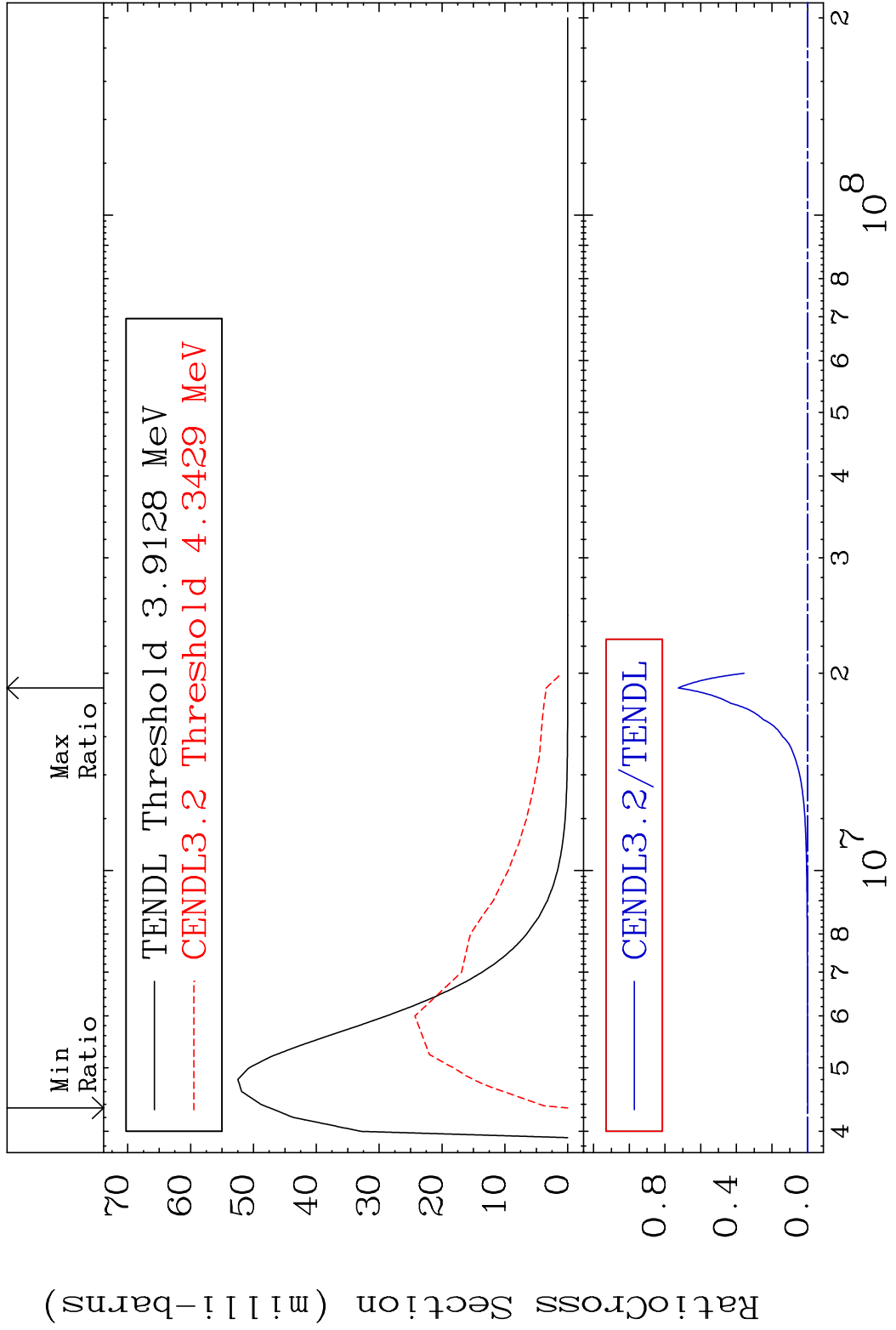
17 Incident Energy (eV) 26-Fe-54

MAT 2625 MT= 62 (n, n') Level 26-Fe-54
 Cross Section -100.0 To 637.5 %

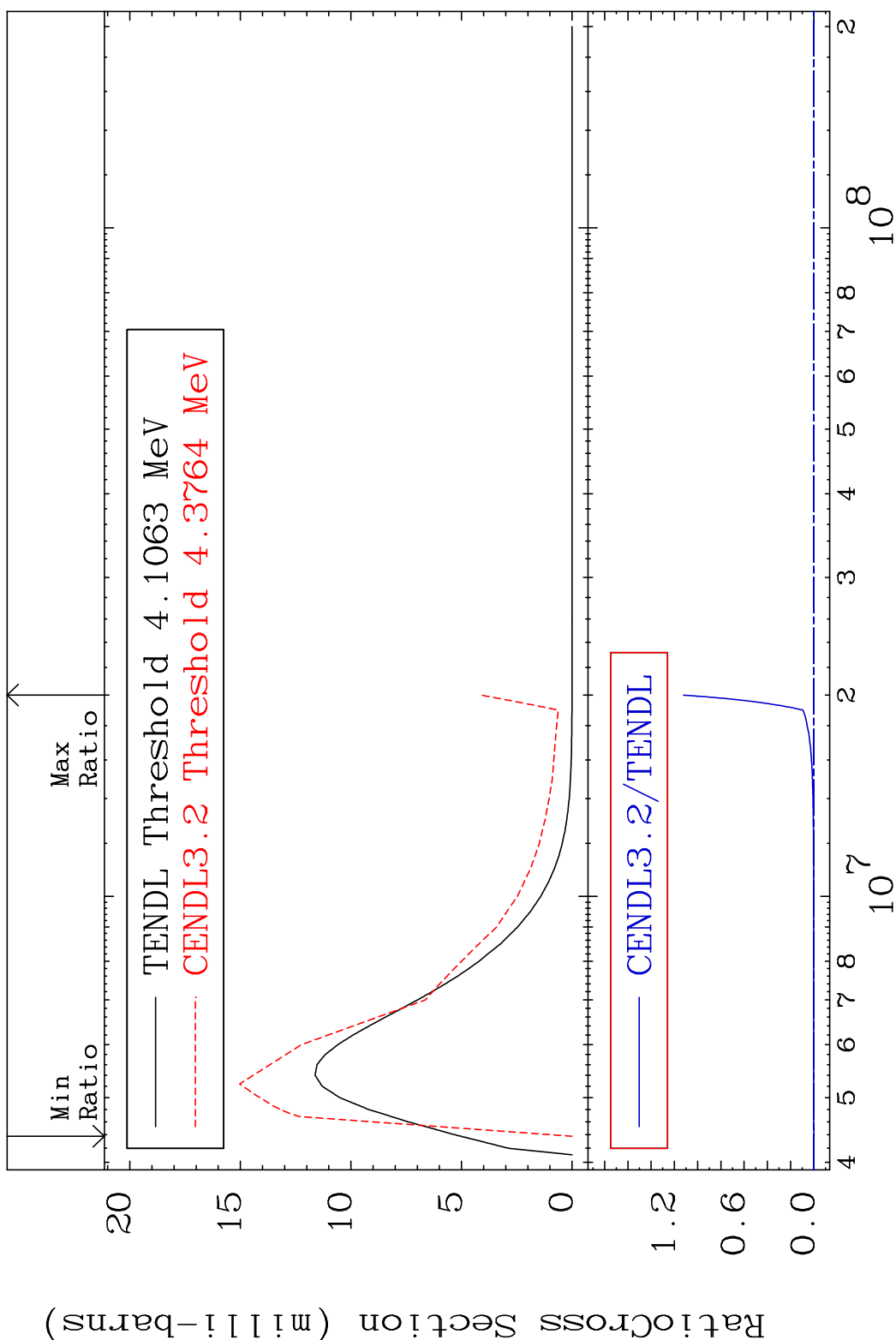


18 Incident Energy (eV) 26-Fe-54

MAT 2625 MT= 63 (n, n') Level 26-Fe-54
 Cross Section -100.0 To 9999. %

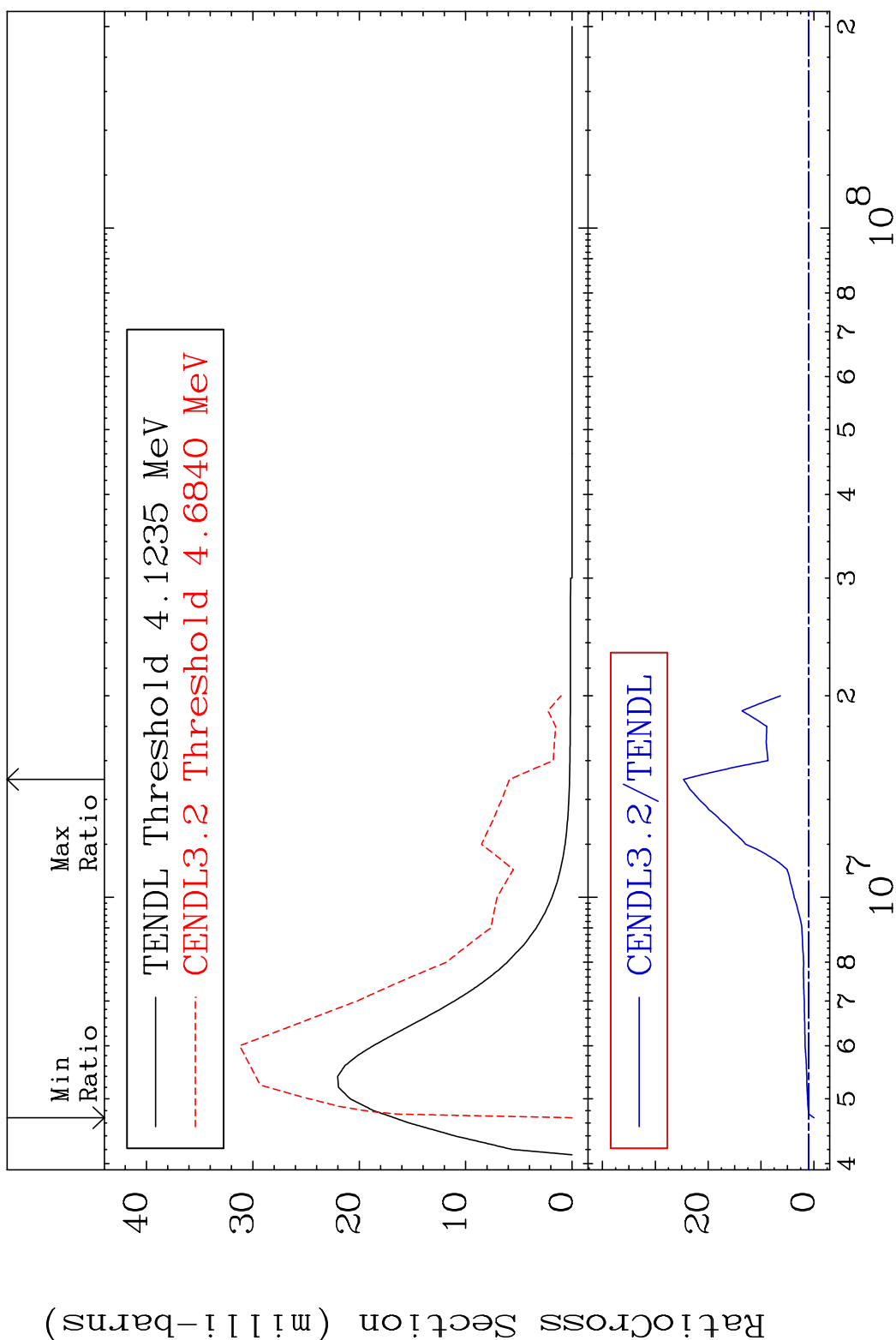


MAT 2625 MT= 64 (n, n') Level 26-Fe-54
 Cross Section -100.0 To 9999. %



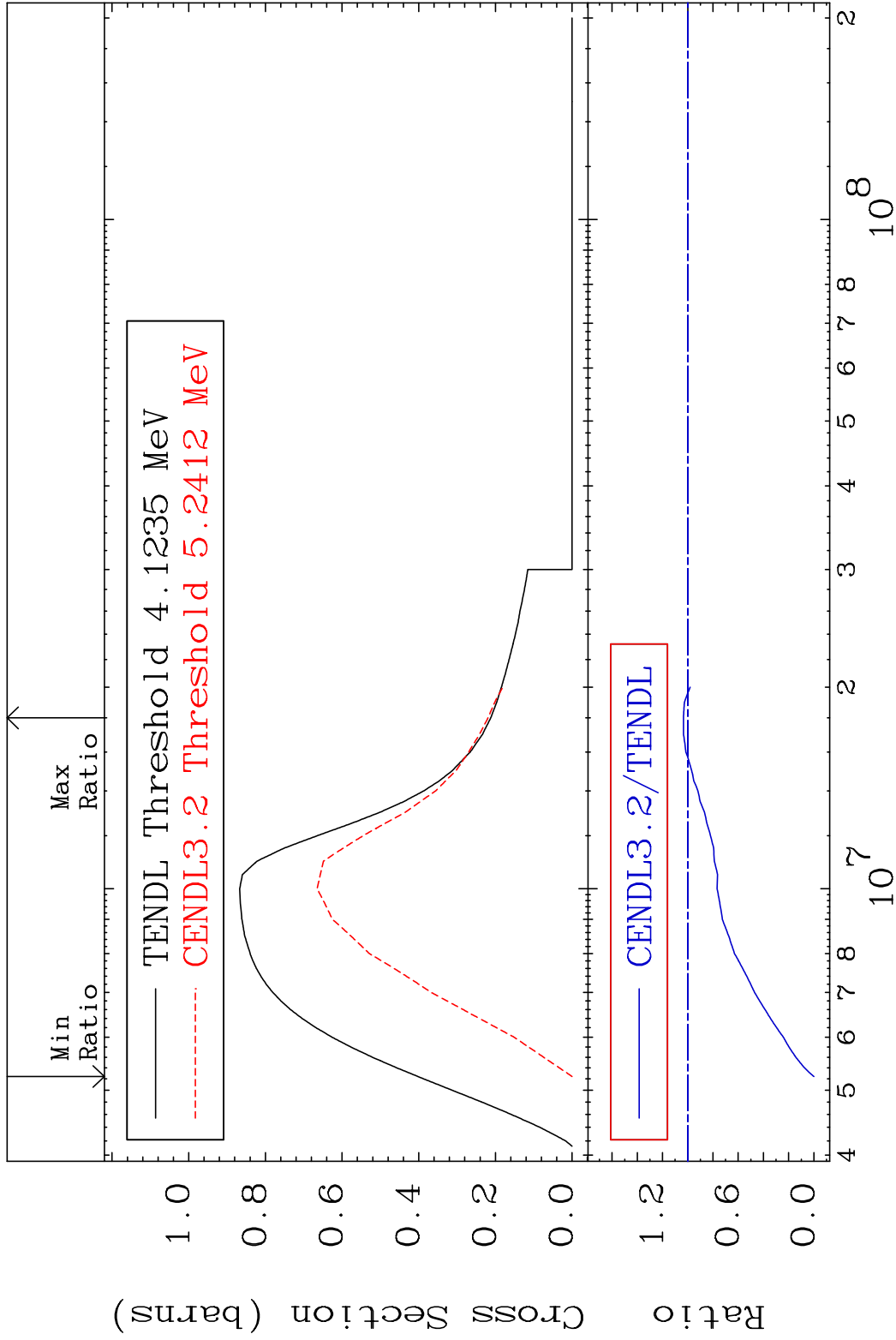
20 26-Fe-54

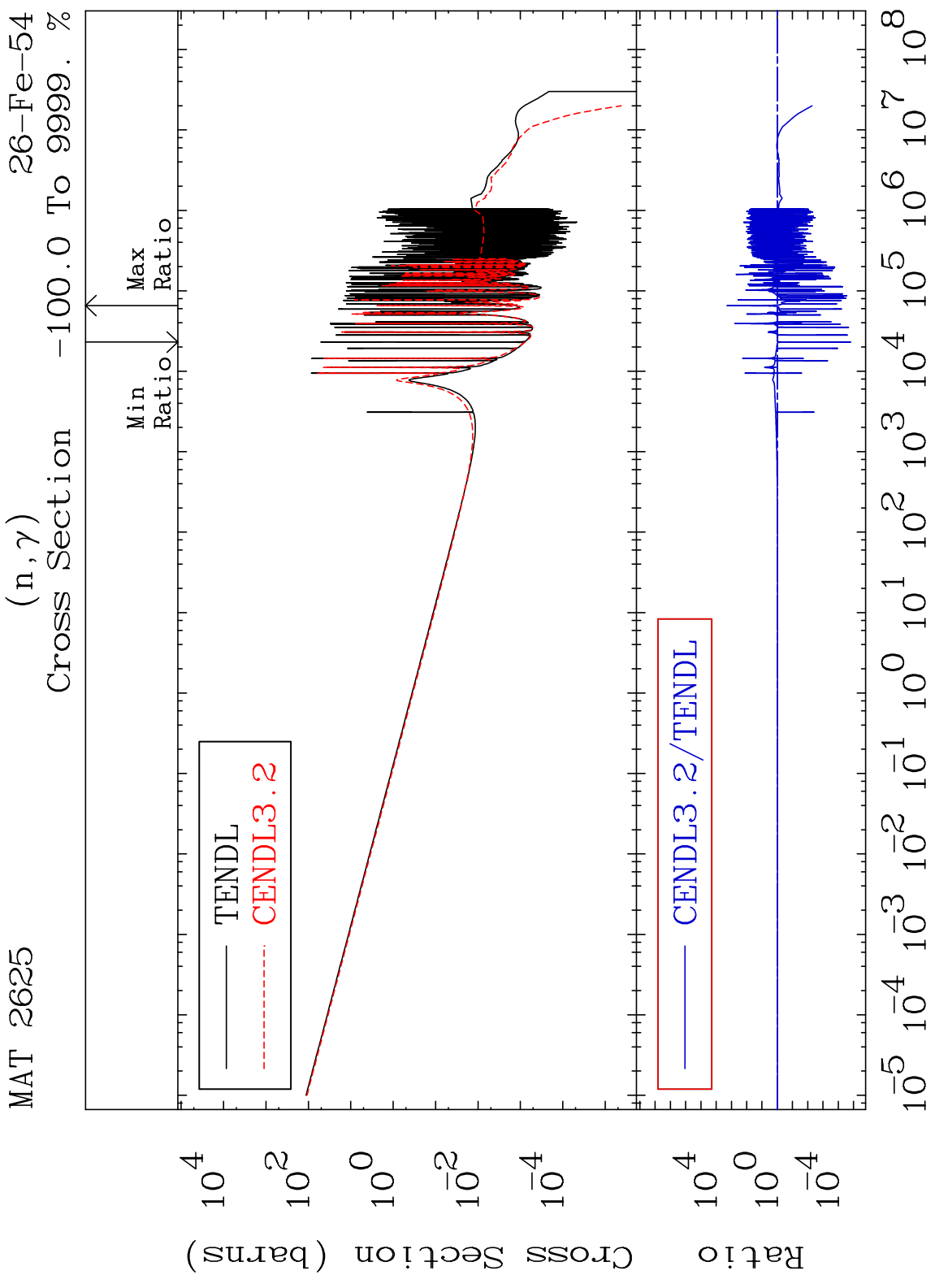
MAT 2625 MT= 65 (n, n') Level 26-Fe-54
 Cross Section -100.0 To 2367. %

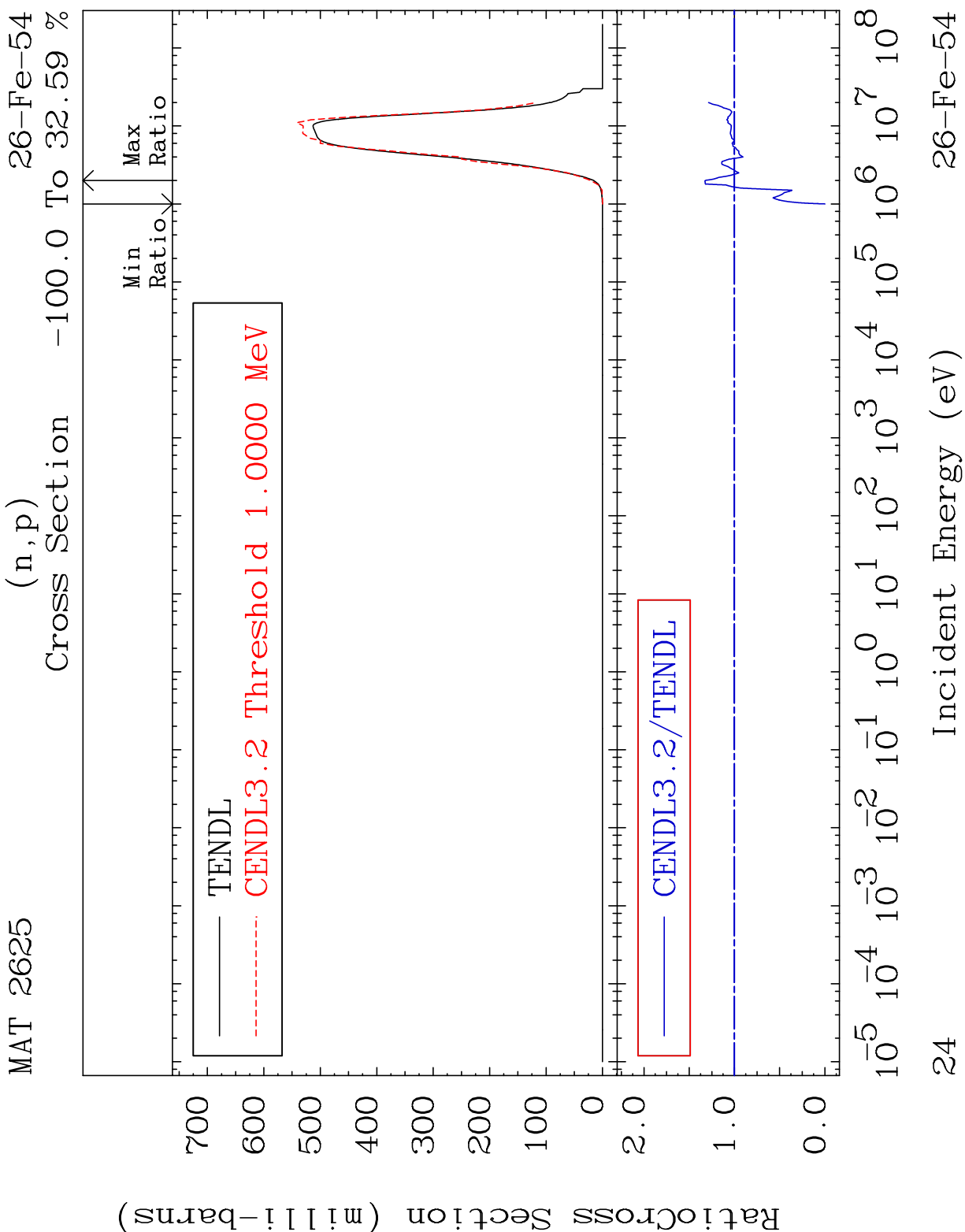


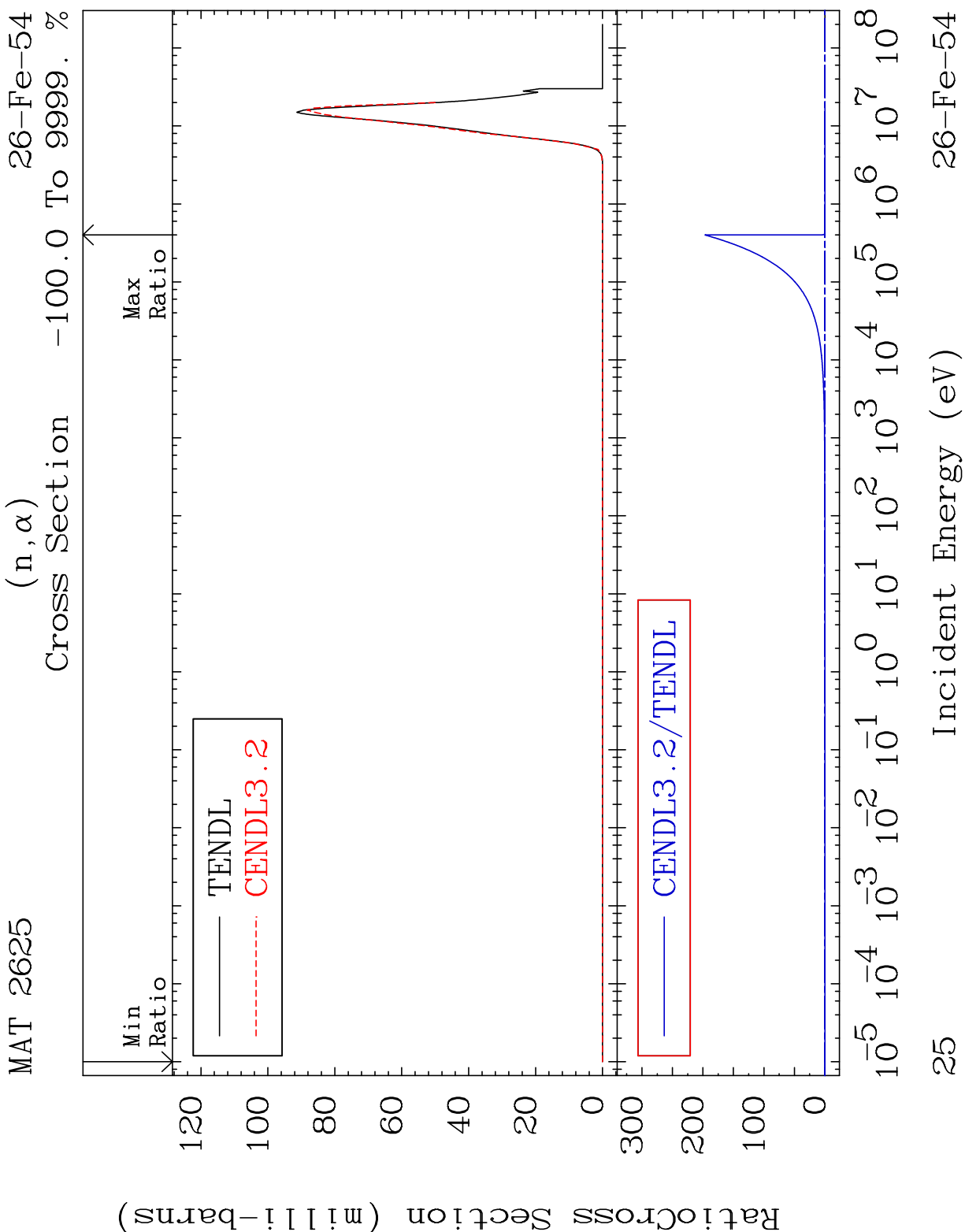
21 Incident Energy (eV) 26-Fe-54

MAT 2625 (n,n') Continuum ²⁶Fe-54
 Cross Section -100.0 To 3.398 %







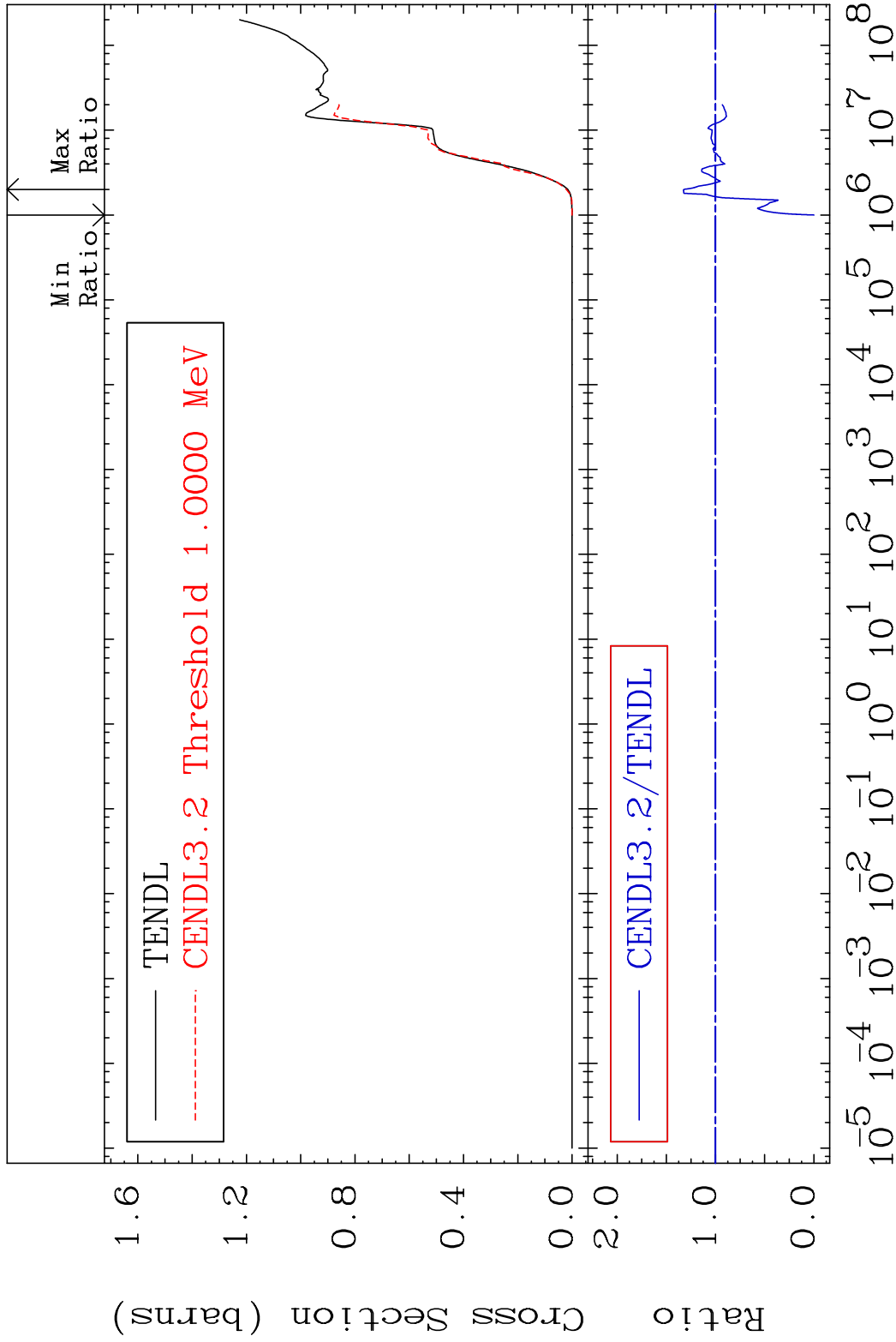


MAT 2625

Hydrogen Production

²⁶Fe-54

Cross Section -100.0 To 32.59 %

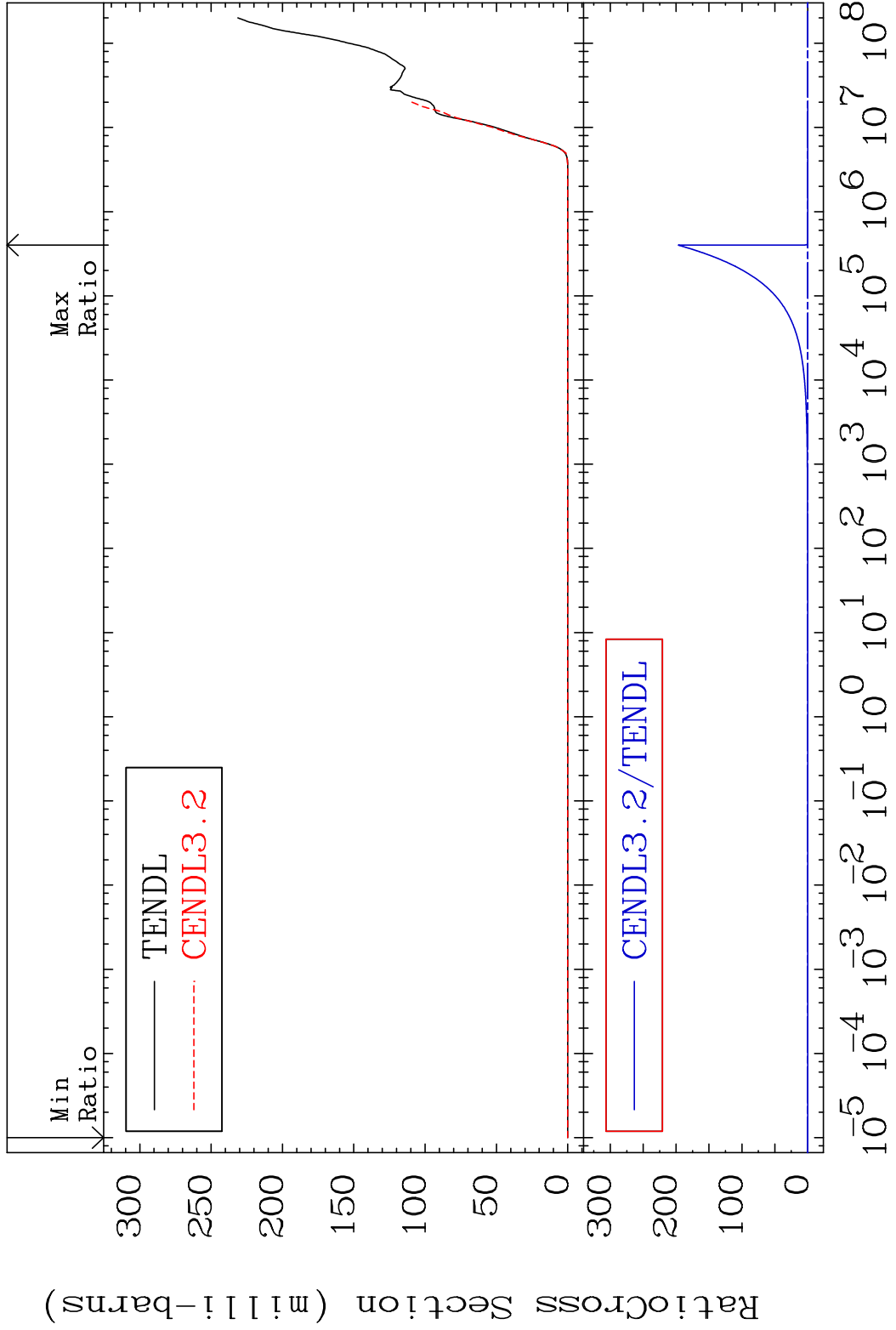


26

Incident Energy (eV)

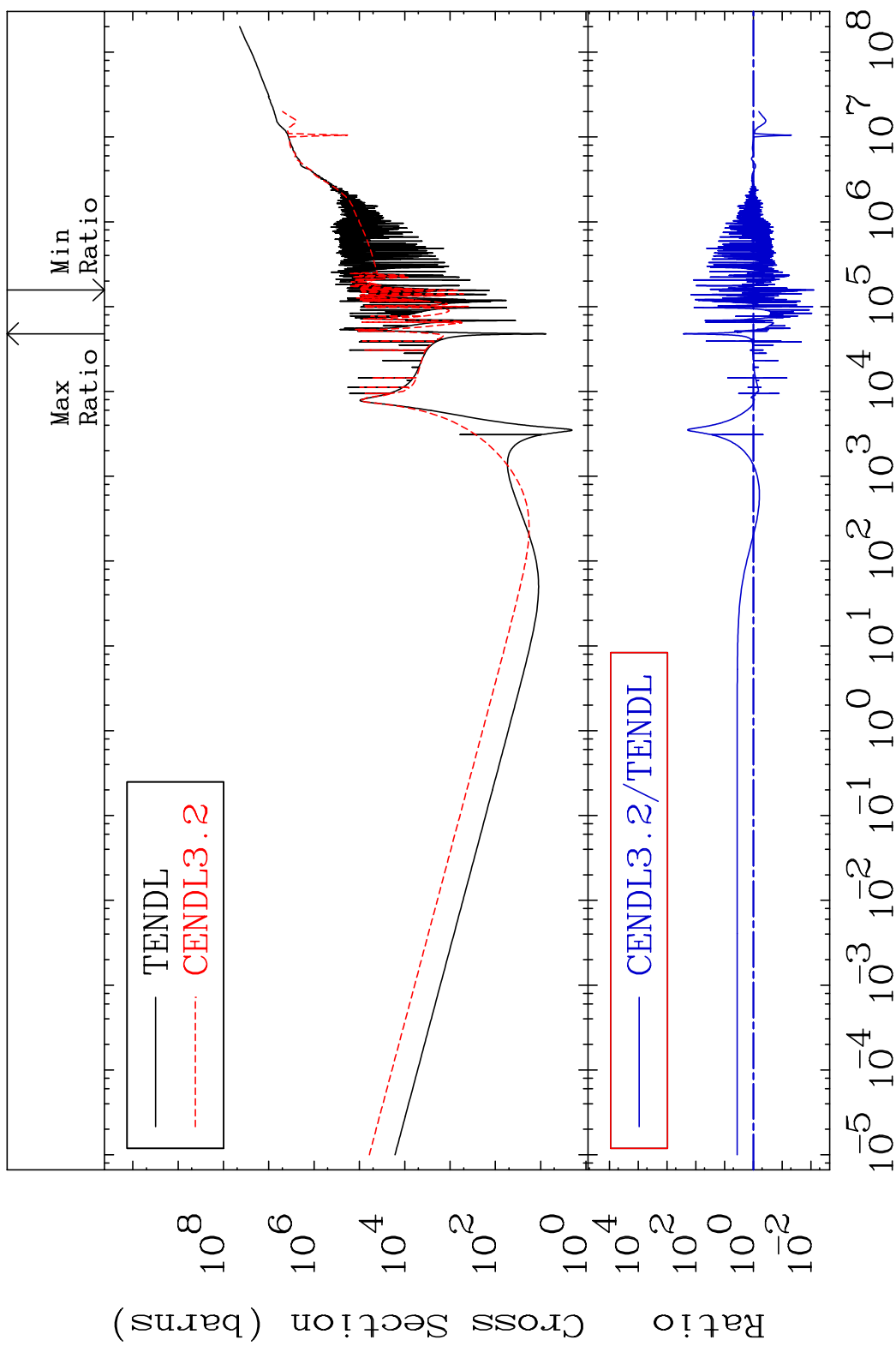
²⁶Fe-54

MAT 2625 He-4 Production 26-Fe-54
 Cross Section -100.0 To 9999. %



27 Incident Energy (eV) 26-Fe-54

MAT 2625 Kerma total (eV-barns) 26-Fe-54
 Cross Section -99.20 To 9999. %

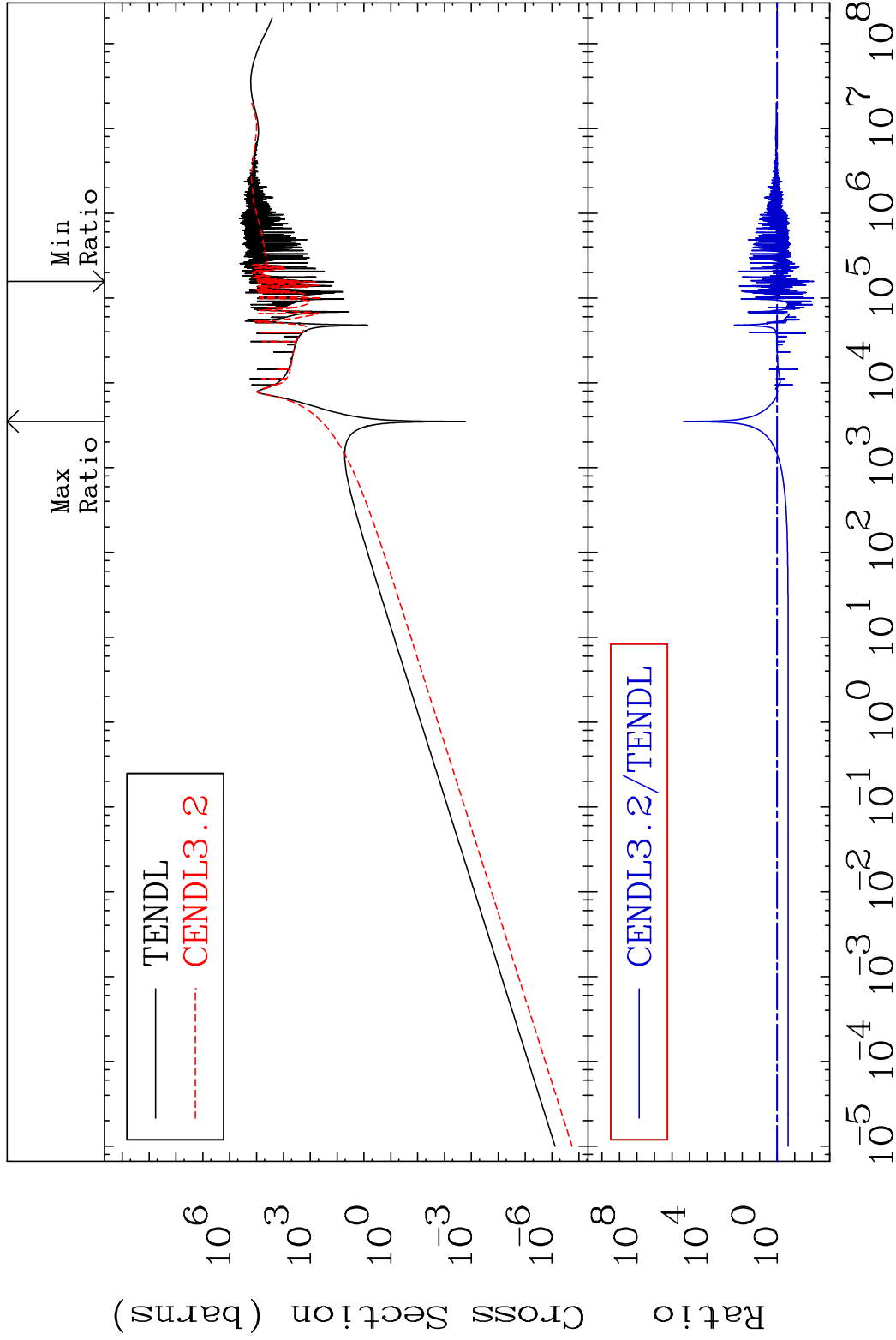


28 Incident Energy (eV) 26-Fe-54

MAT 2625

Kerma elastic
Cross Section

26-Fe-54
-99.20 To 9999. %

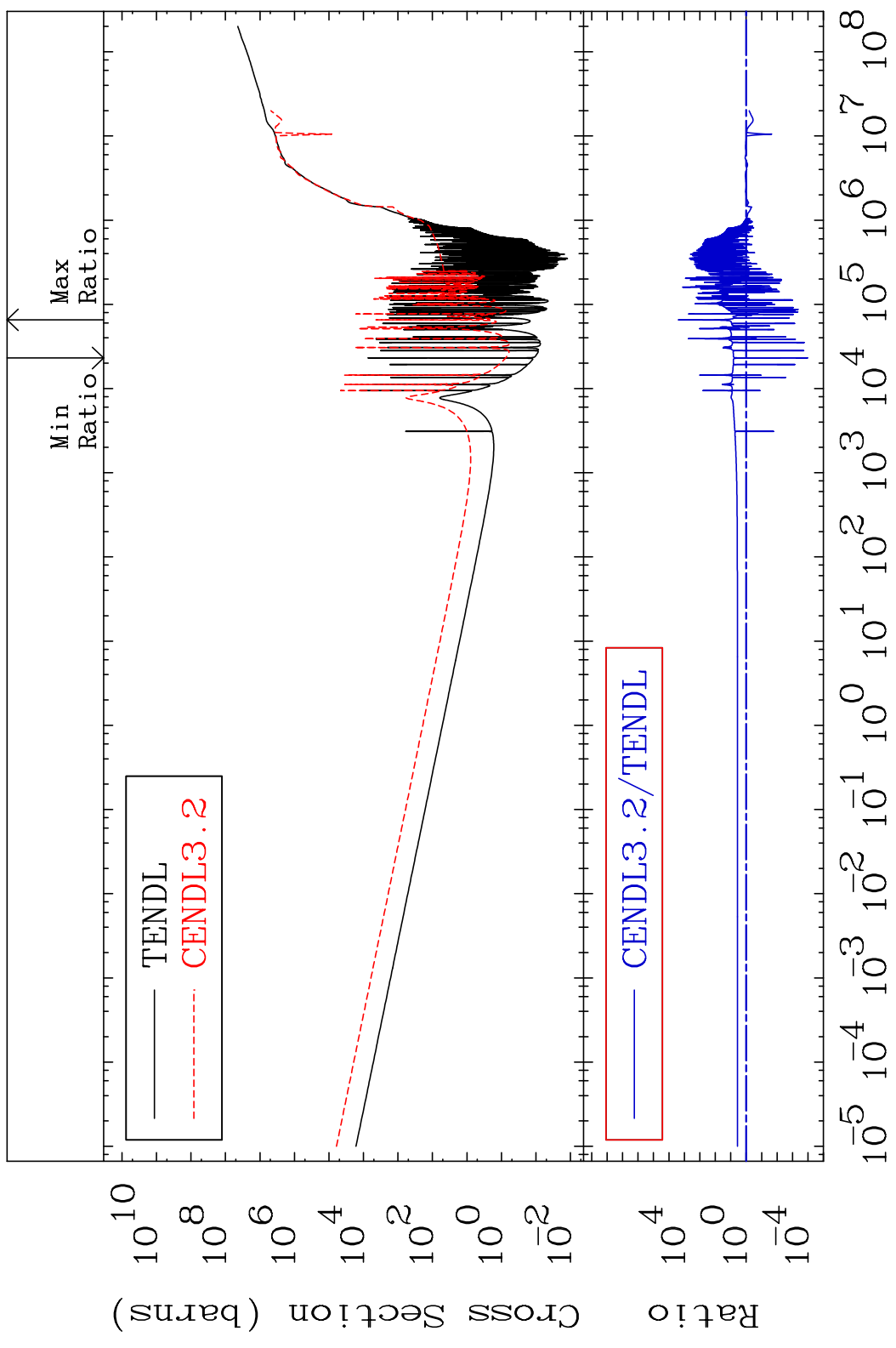


29

Incident Energy (eV)

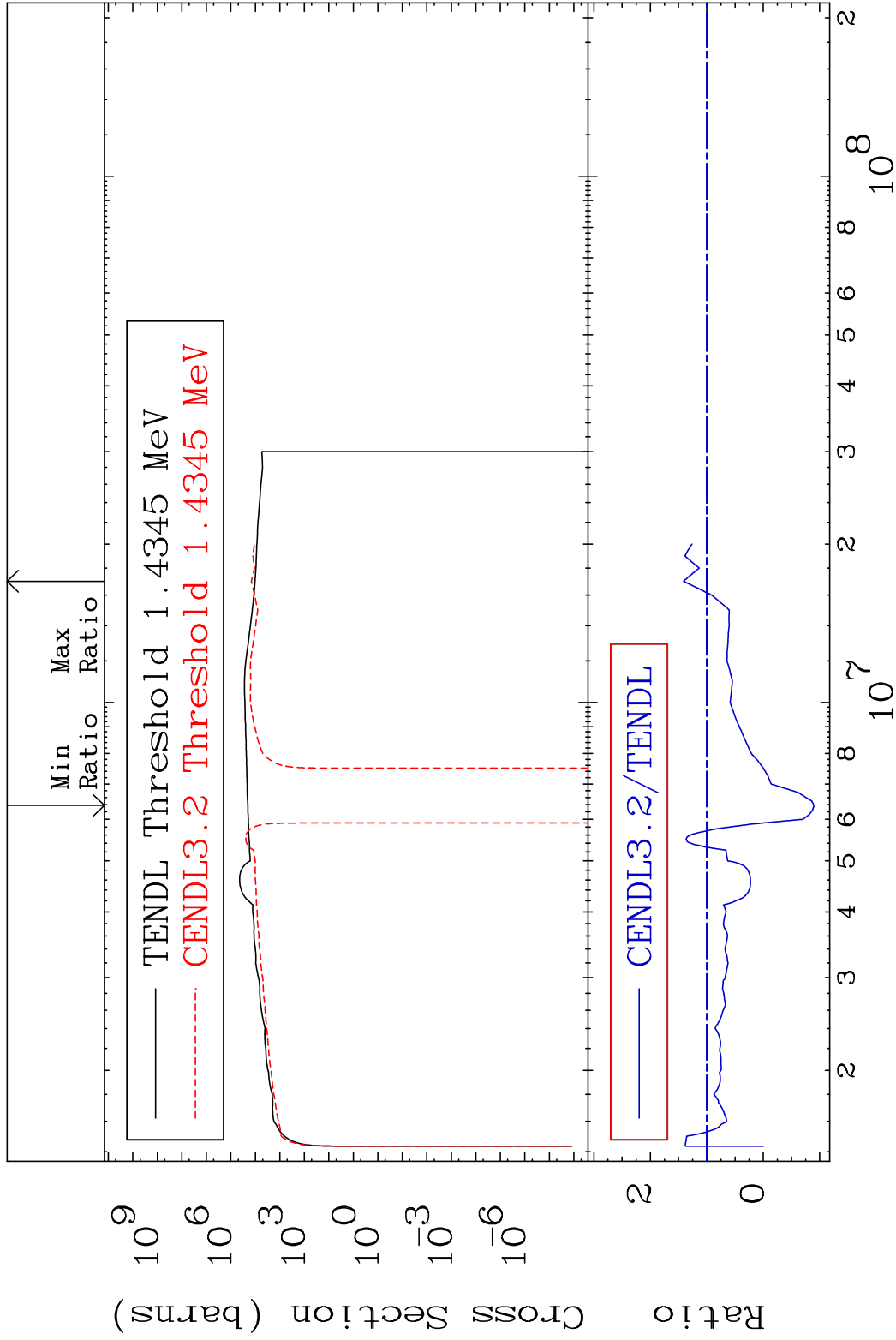
26-Fe-54

MAT 2625 Kerma non-elastic (all but mt2) 26-Fe-54
 Cross Section -99.99 To 9999. %

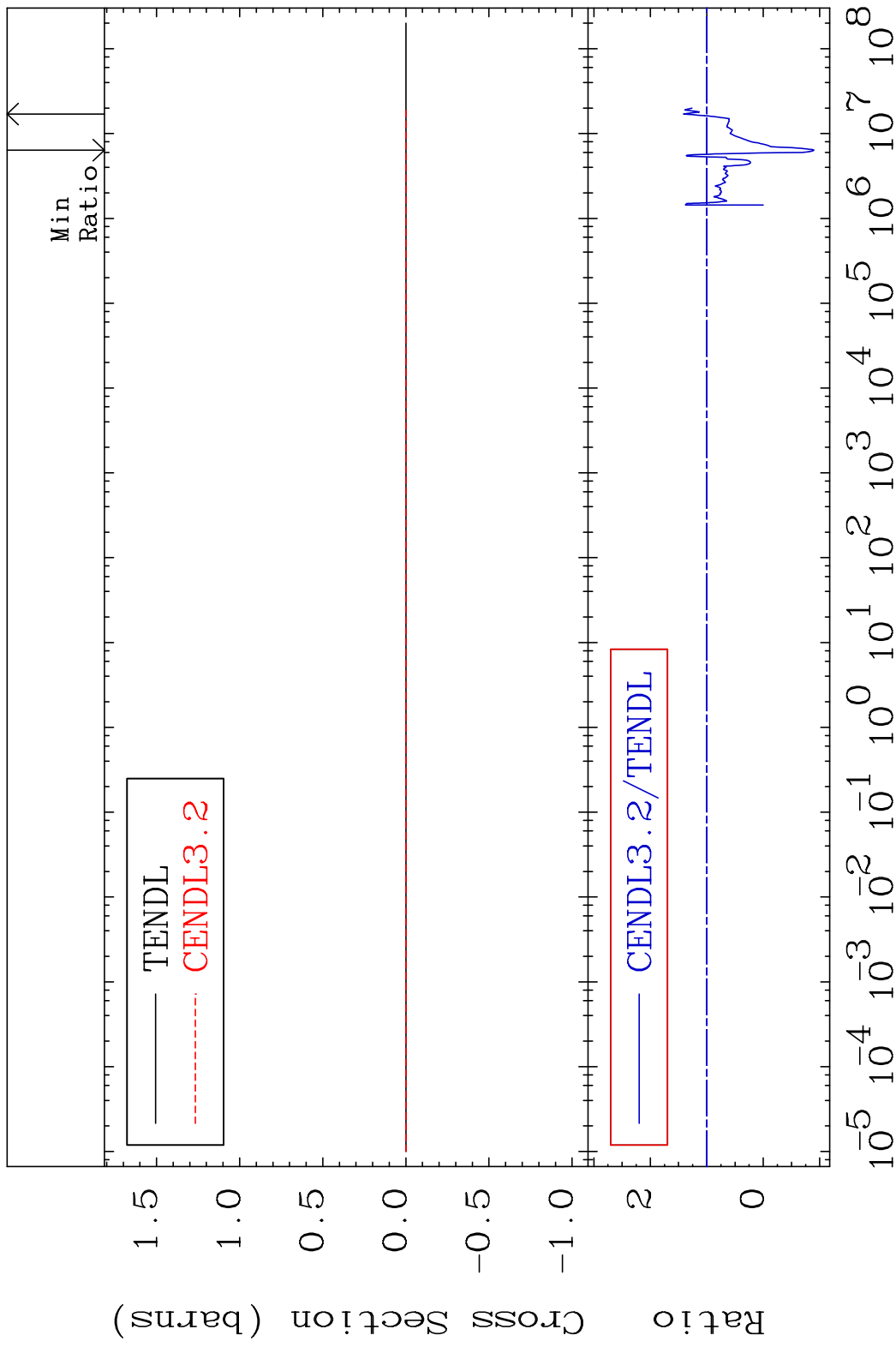


30 Incident Energy (eV) 26-Fe-54

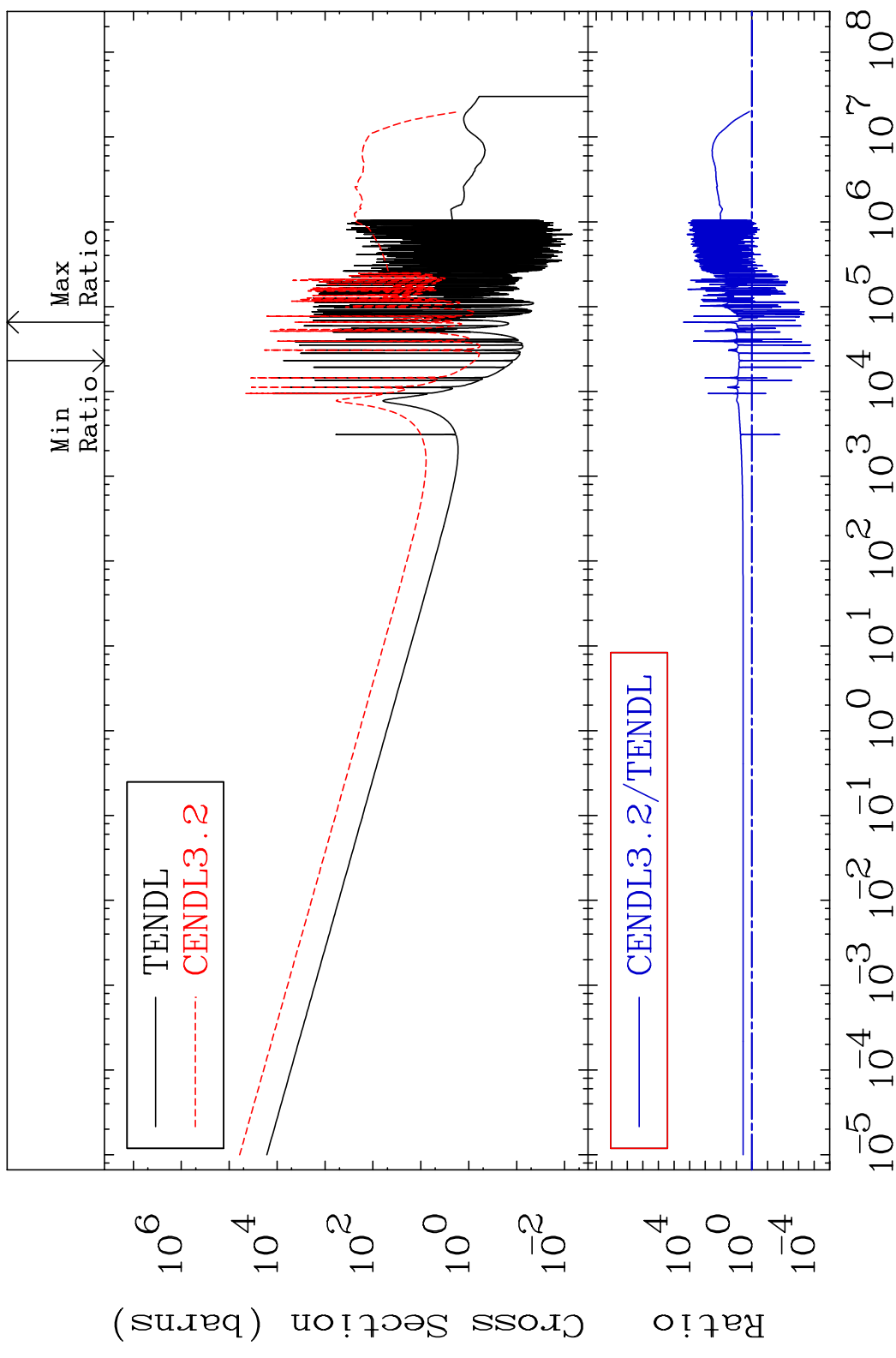
MAT 2625 Kerma inelastic (mt51-91) ²⁶Fe-54
 Cross Section -189.6 To 41.33 %



MAT 2625 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-54
Cross Section -189.6 To 41.33 %

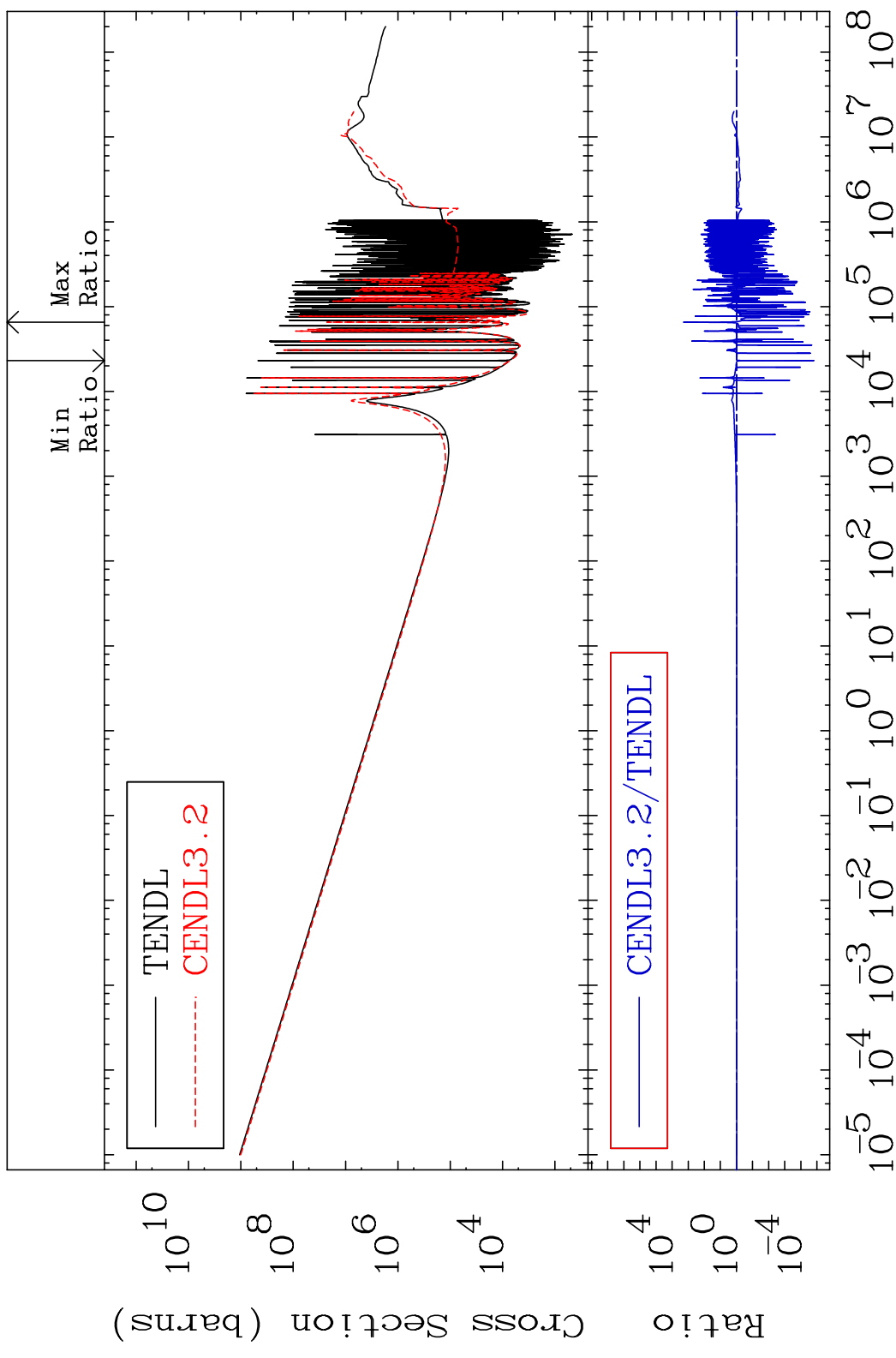


MAT 2625 Kerma capture (mt102) 26-Fe-54
 Cross Section -99.99 To 9999. %



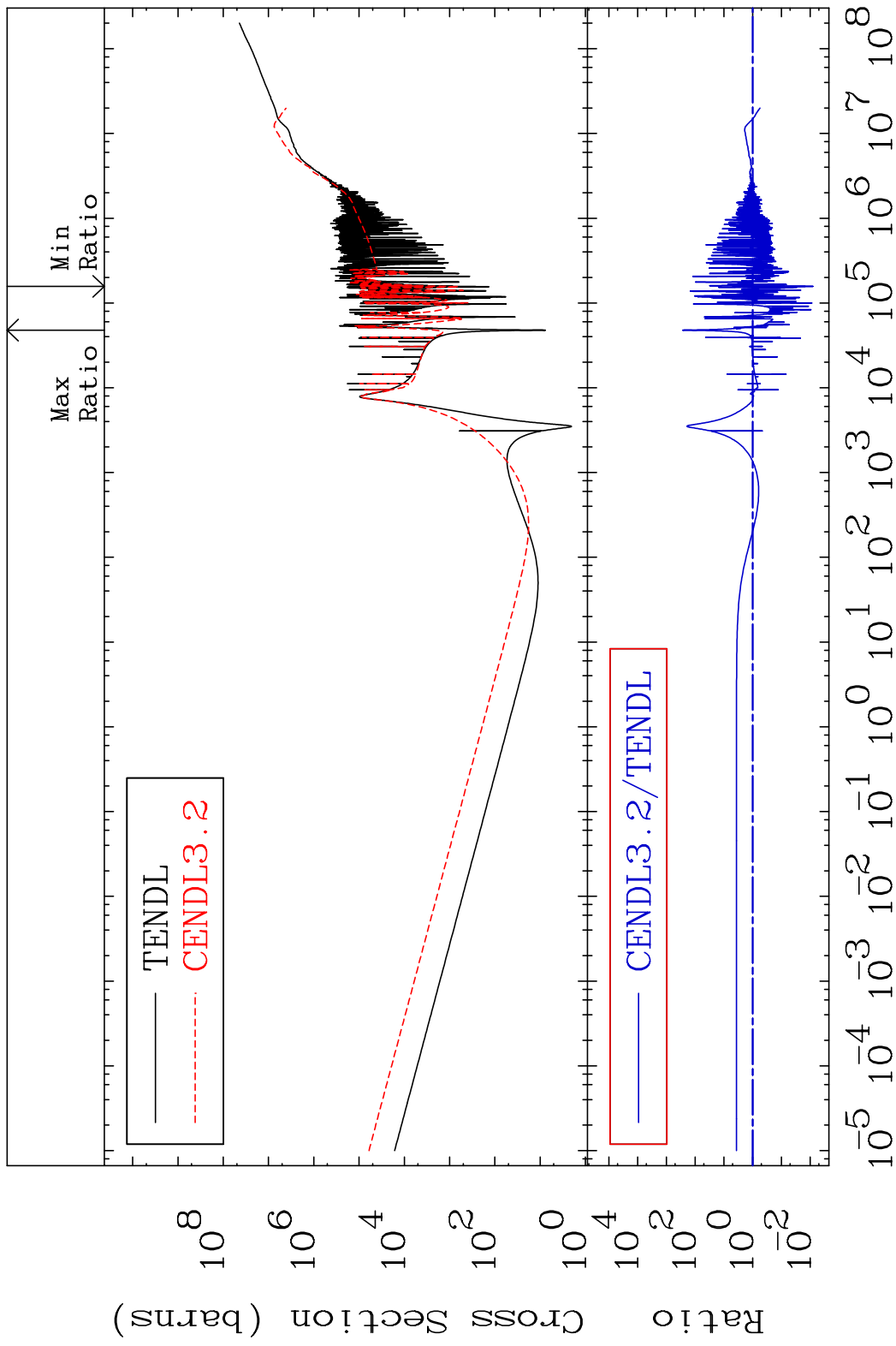
33 Incident Energy (eV) 26-Fe-54

MAT 2625 Total photon (eV-barns) 26-Fe-54
 Cross Section -100.0 To 9999. %

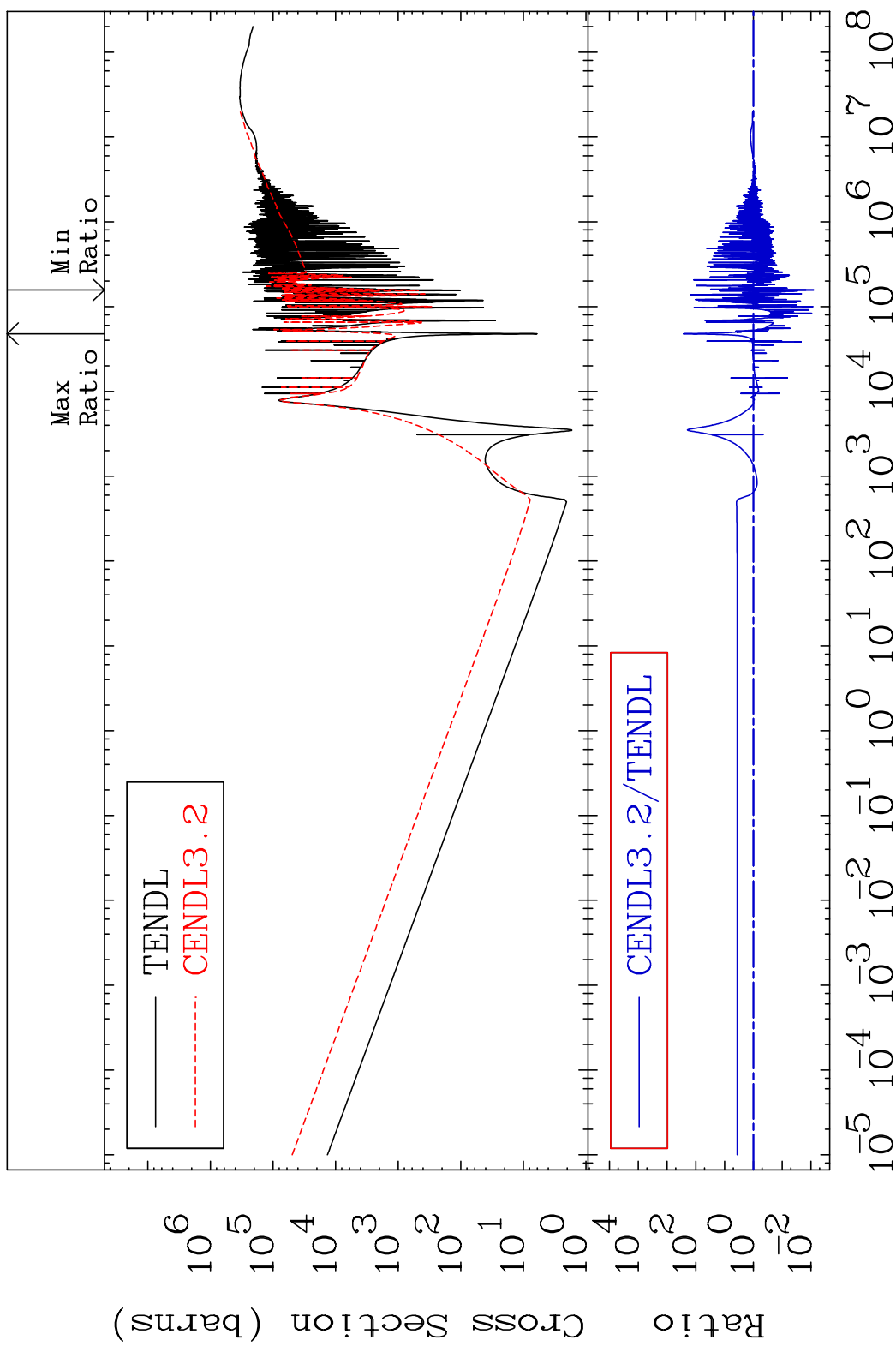


34 Incident Energy (eV) 26-Fe-54

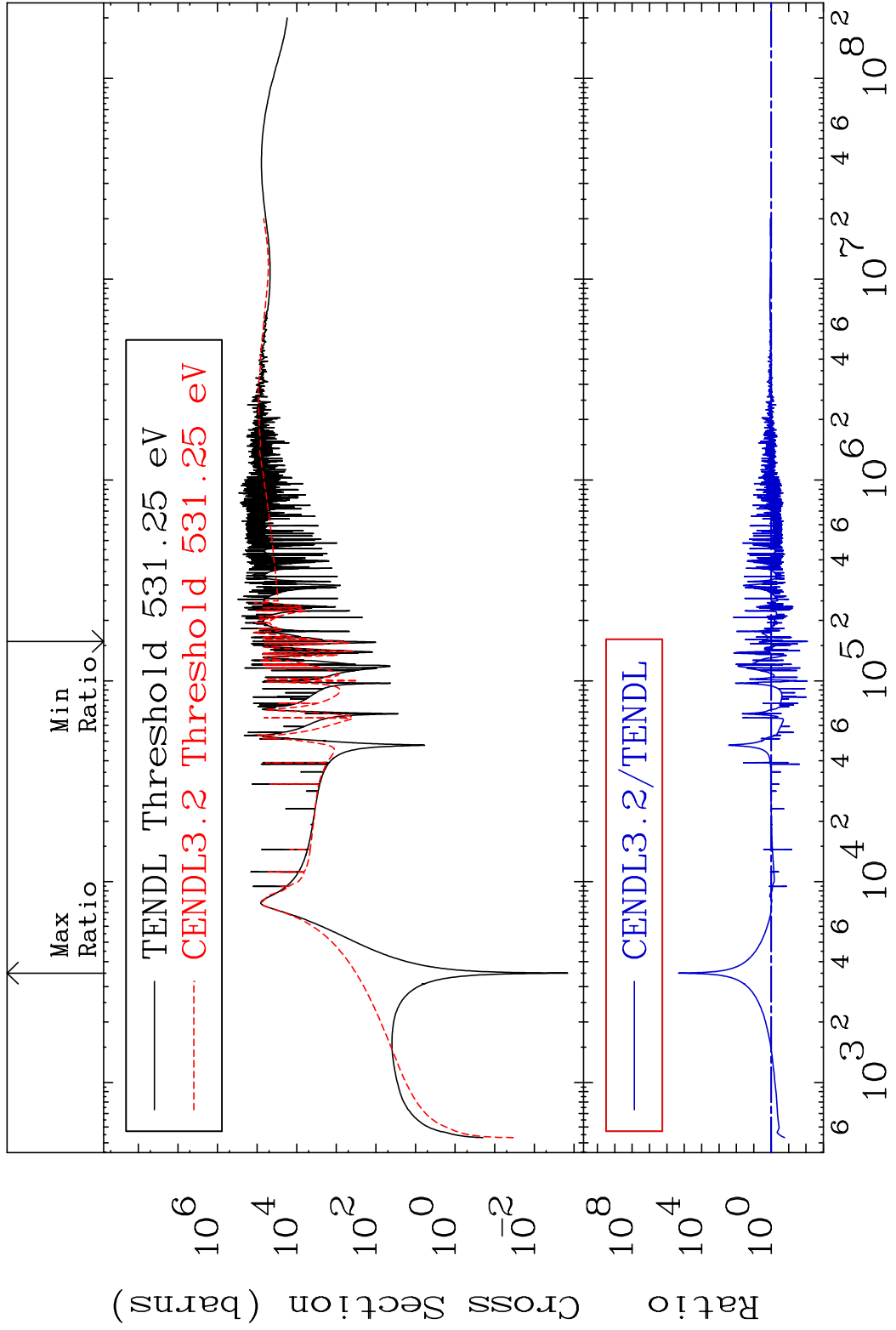
MAT 2625 Total kinematic kerma (high limit) 26-Fe-54
 Cross Section -99.20 To 9999. %



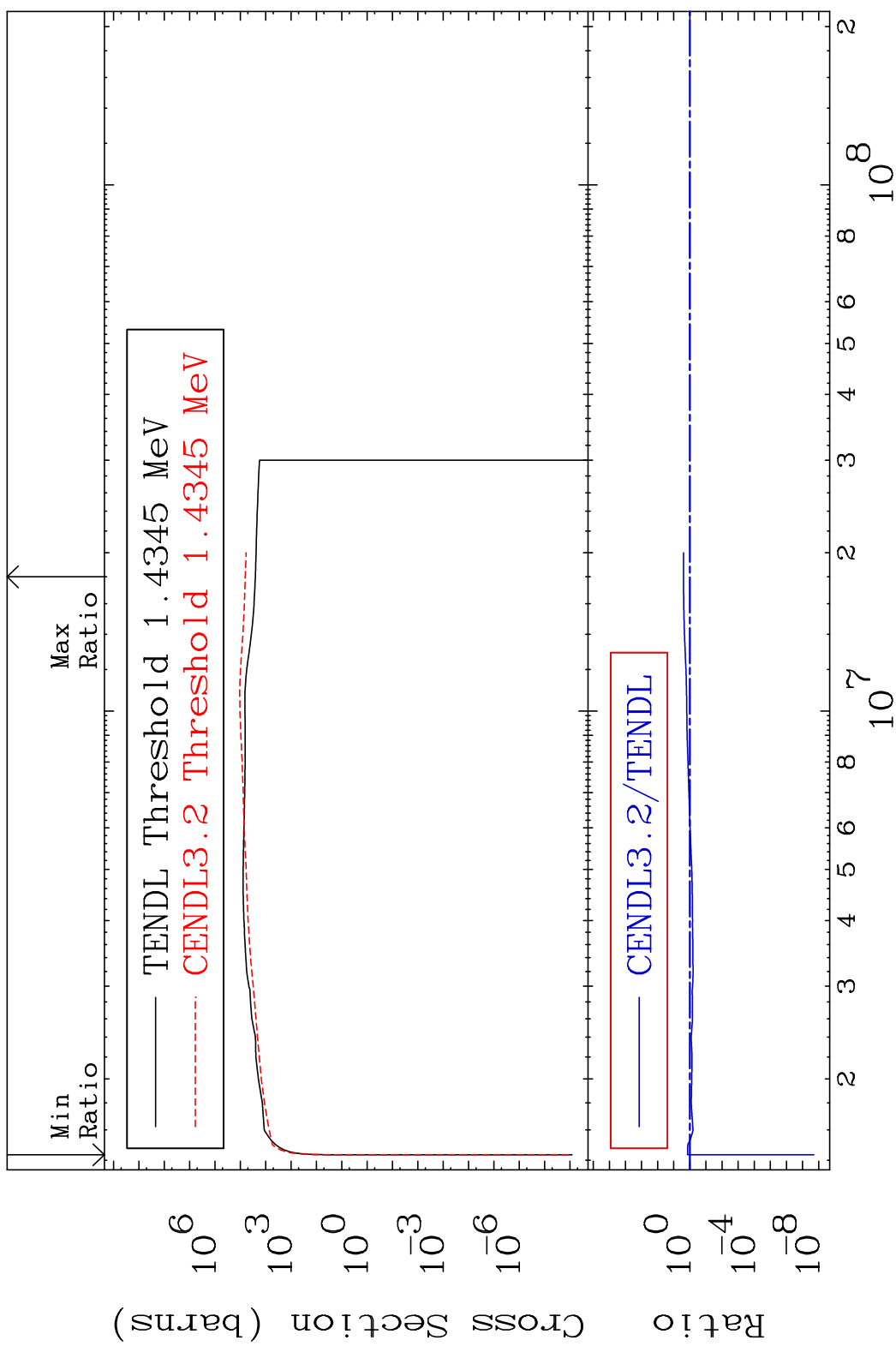
MAT 2625 Dpa total (eV-barns) 26-Fe-54
 Cross Section -99.20 To 9999. %



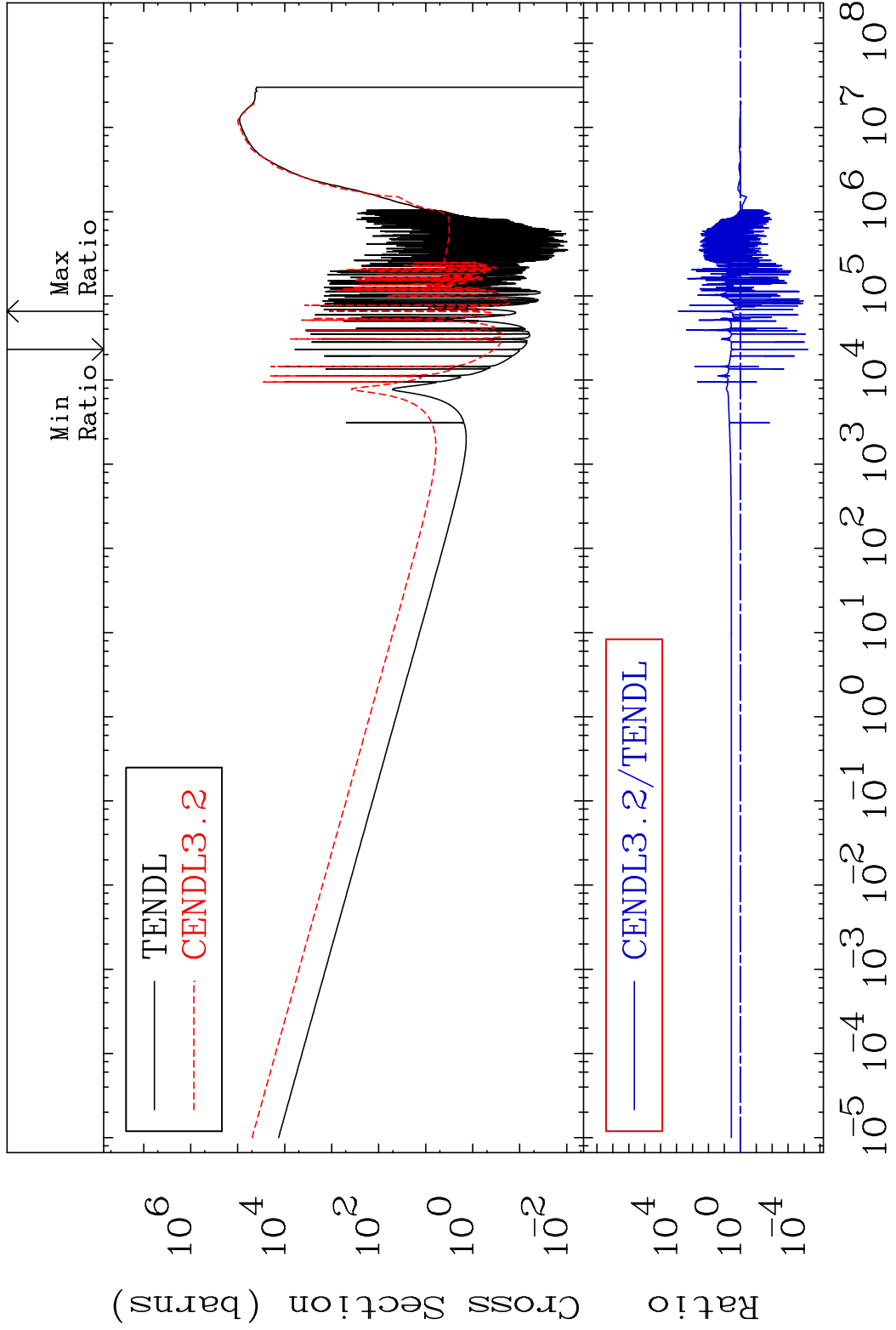
MAT 2625 Dpa elastic (mt2) 26-Fe-54
 Cross Section -99.20 To 9999. %



MAT 2625 Dpa inelastic (mt51-91) ²⁶Fe-54
 Cross Section -100.0 To 150.3 %

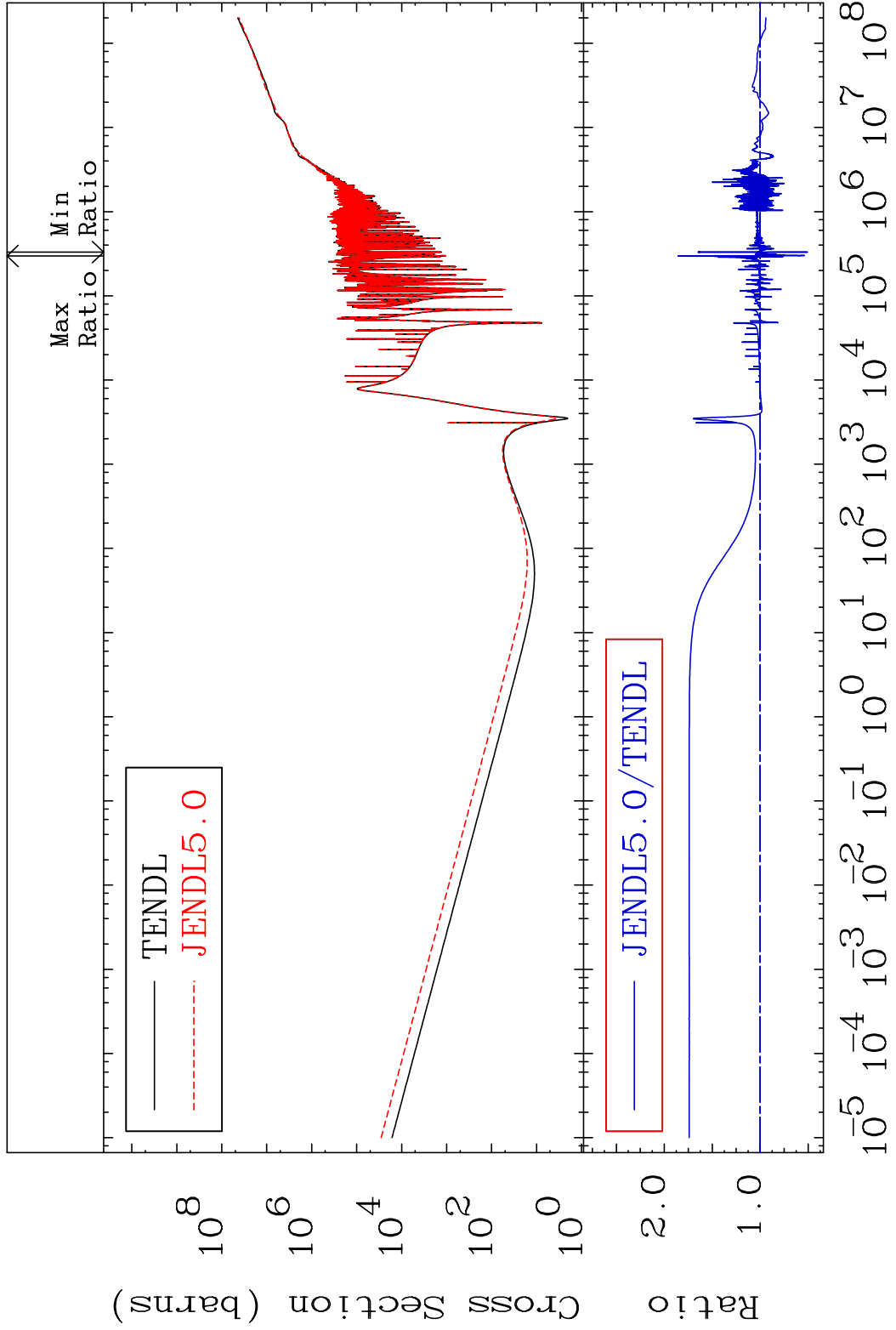


MAT 2625 Dpa disappearance (mt102 -120) 26-Fe-54
 Cross Section -99.99 To 9999. %

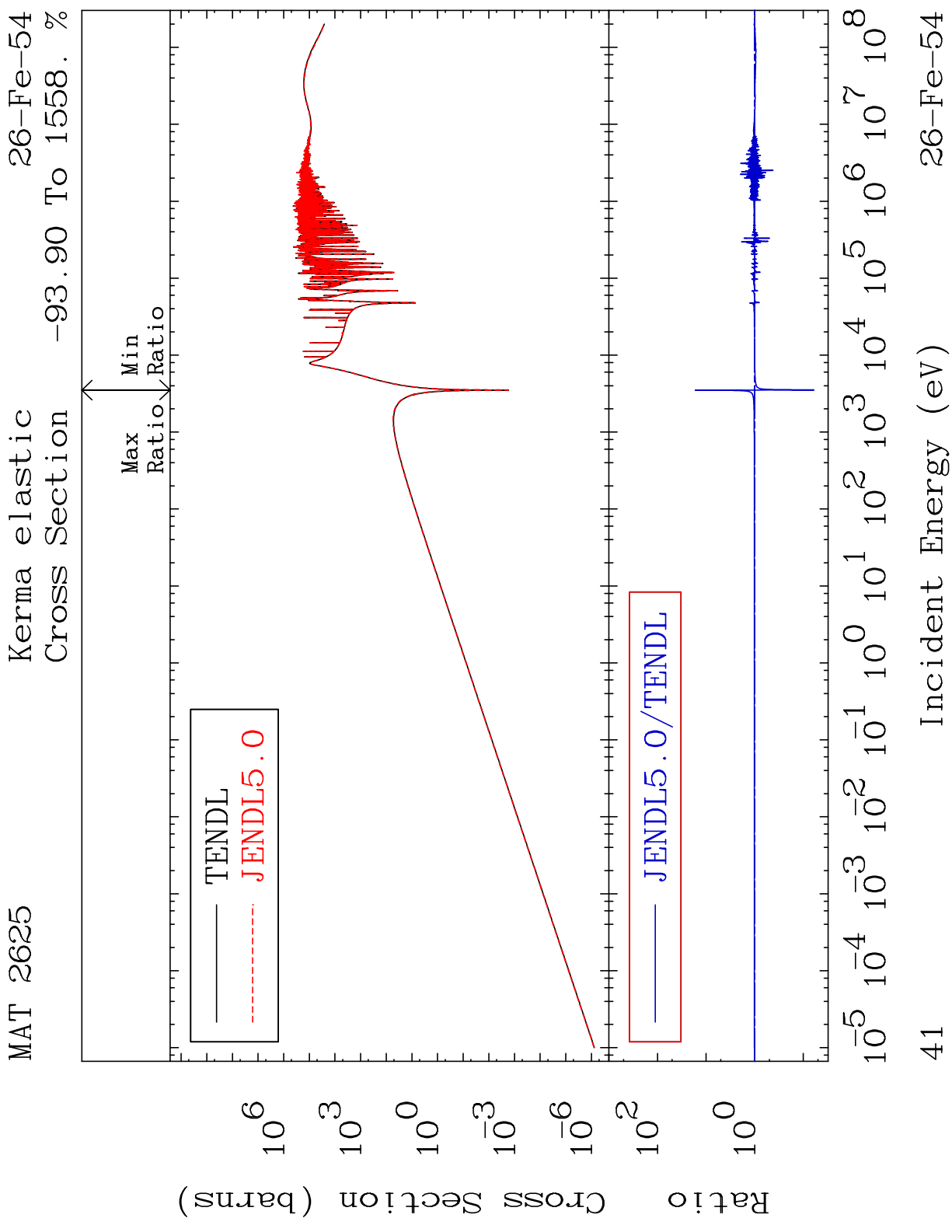


39 Incident Energy (eV) 26-Fe-54

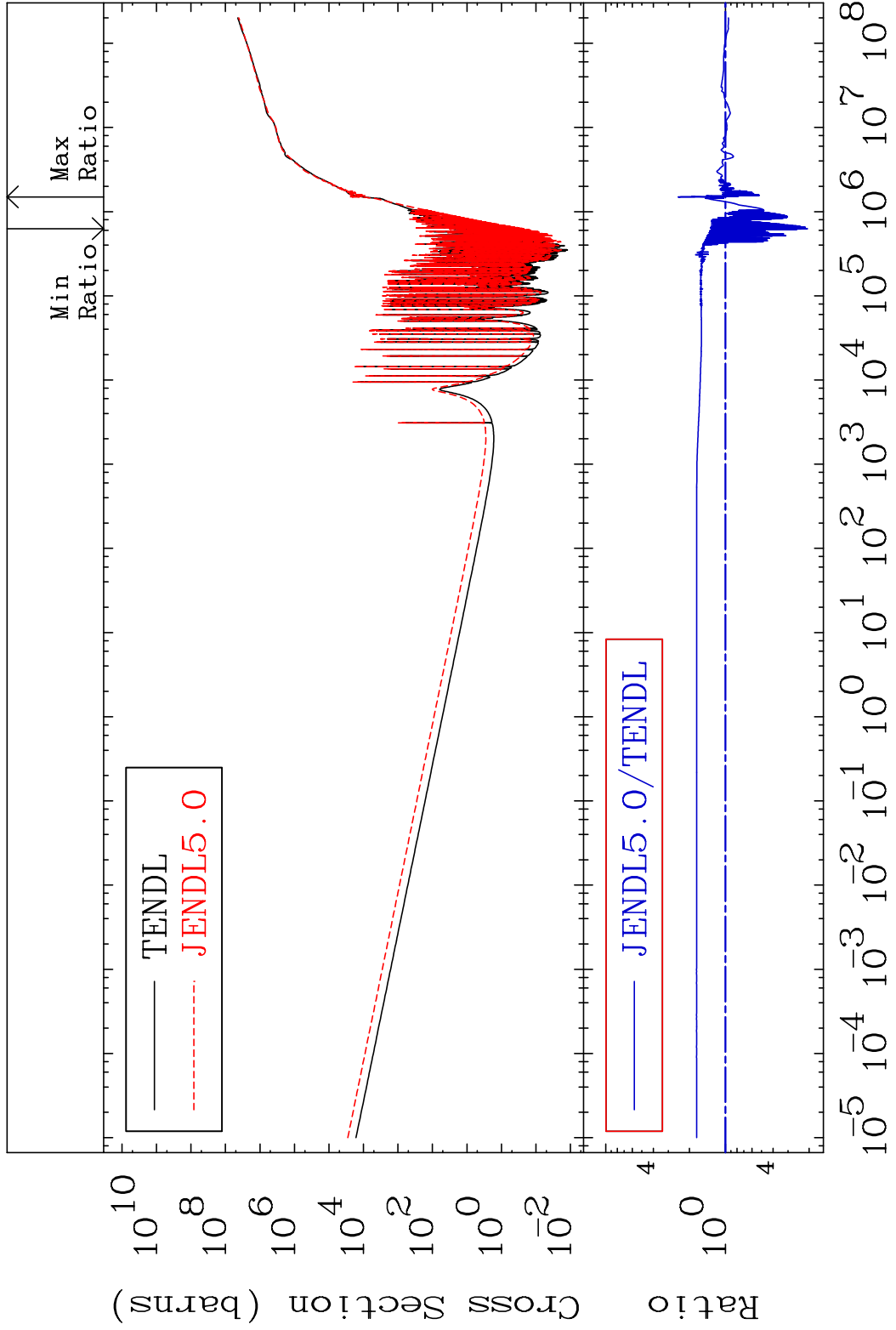
MAT 2625 Kerma total (eV-barns) 26-Fe-54
Cross Section -49.53 To 85.40 %



40 Incident Energy (eV) 26-Fe-54

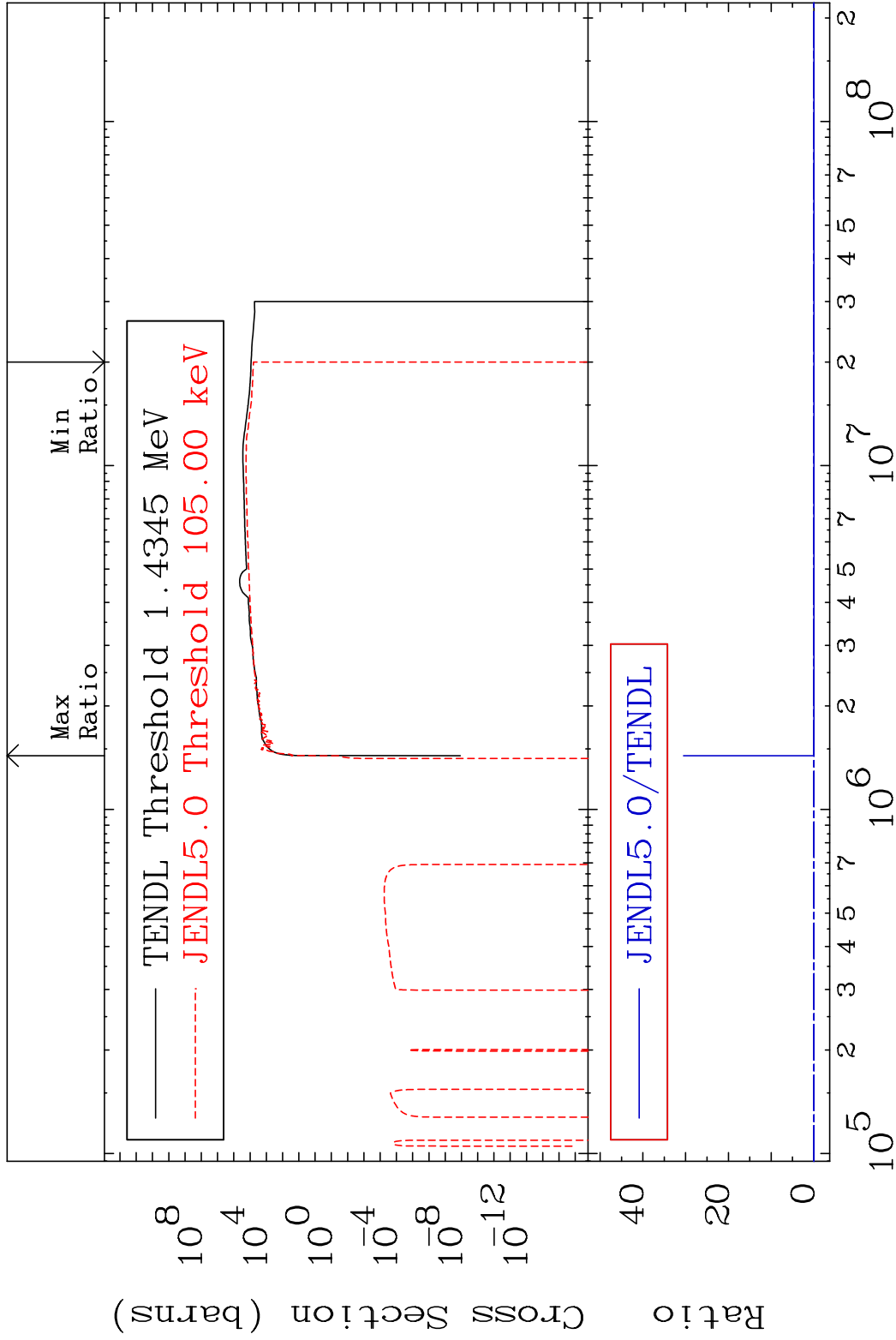


MAT 2625 Kerma non-elastic (all but mt2) 26-Fe-54
 Cross Section -79.47 To 147.5 %



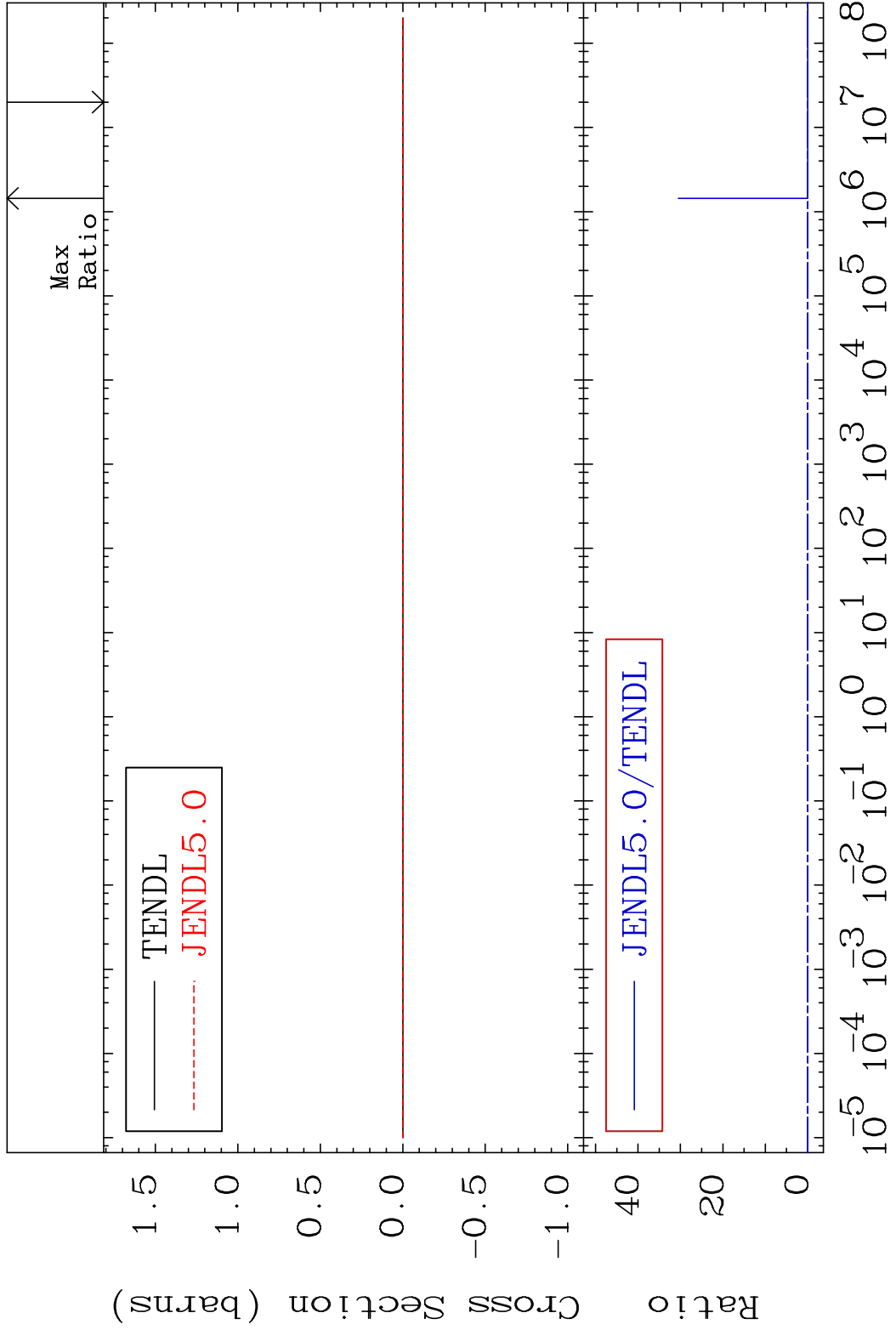
42 Incident Energy (eV) 26-Fe-54

MAT 2625 Kerma inelastic (mt51-91) 26-Fe-54
 Cross Section -100.0 To 9999. %

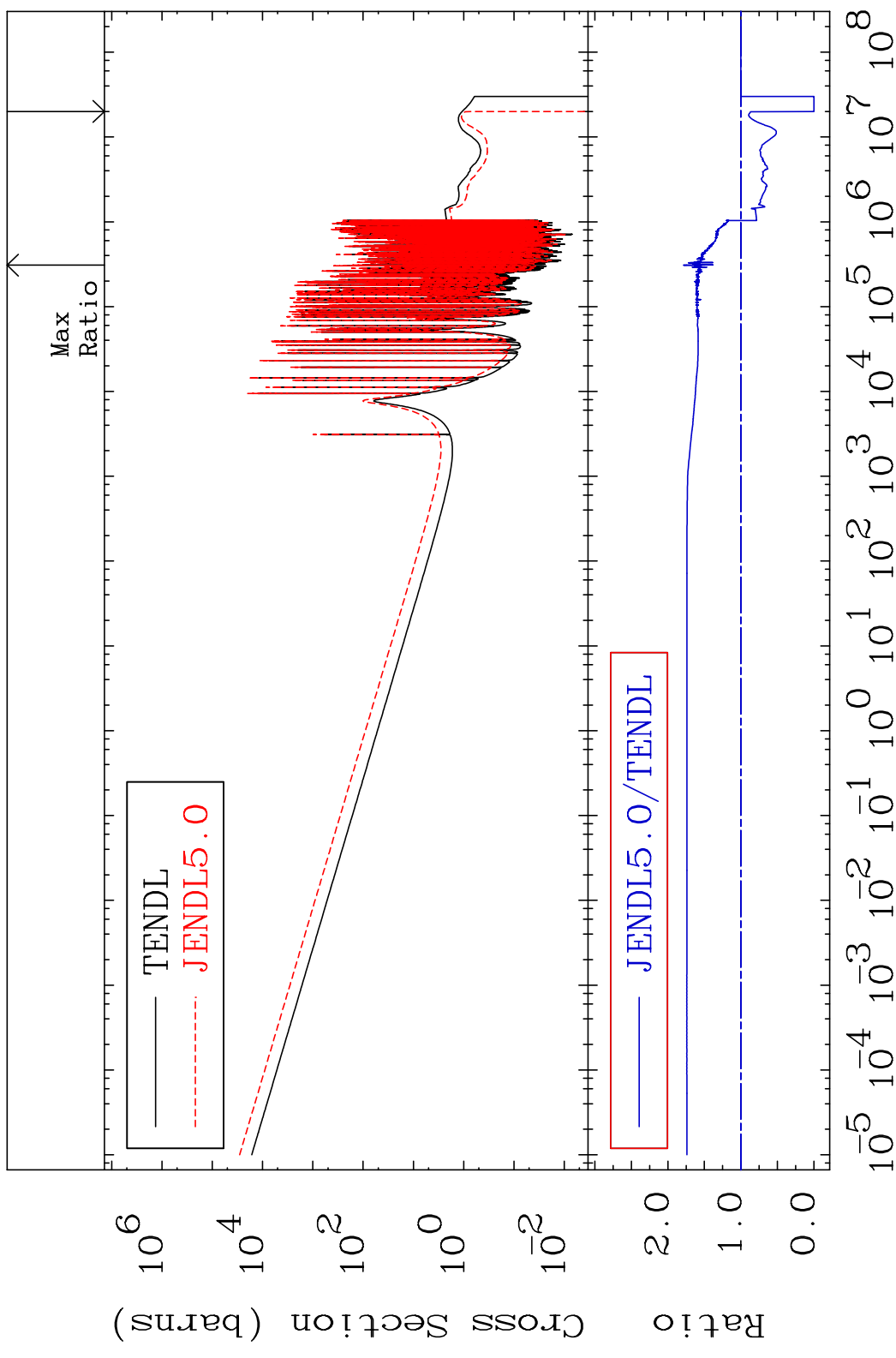


43 Incident Energy (eV) 26-Fe-54

MAT 2625 Kerma fission (mt18 or mt19-20-21-38) 26-Fe-54
 Cross Section -100.0 To 9999. %

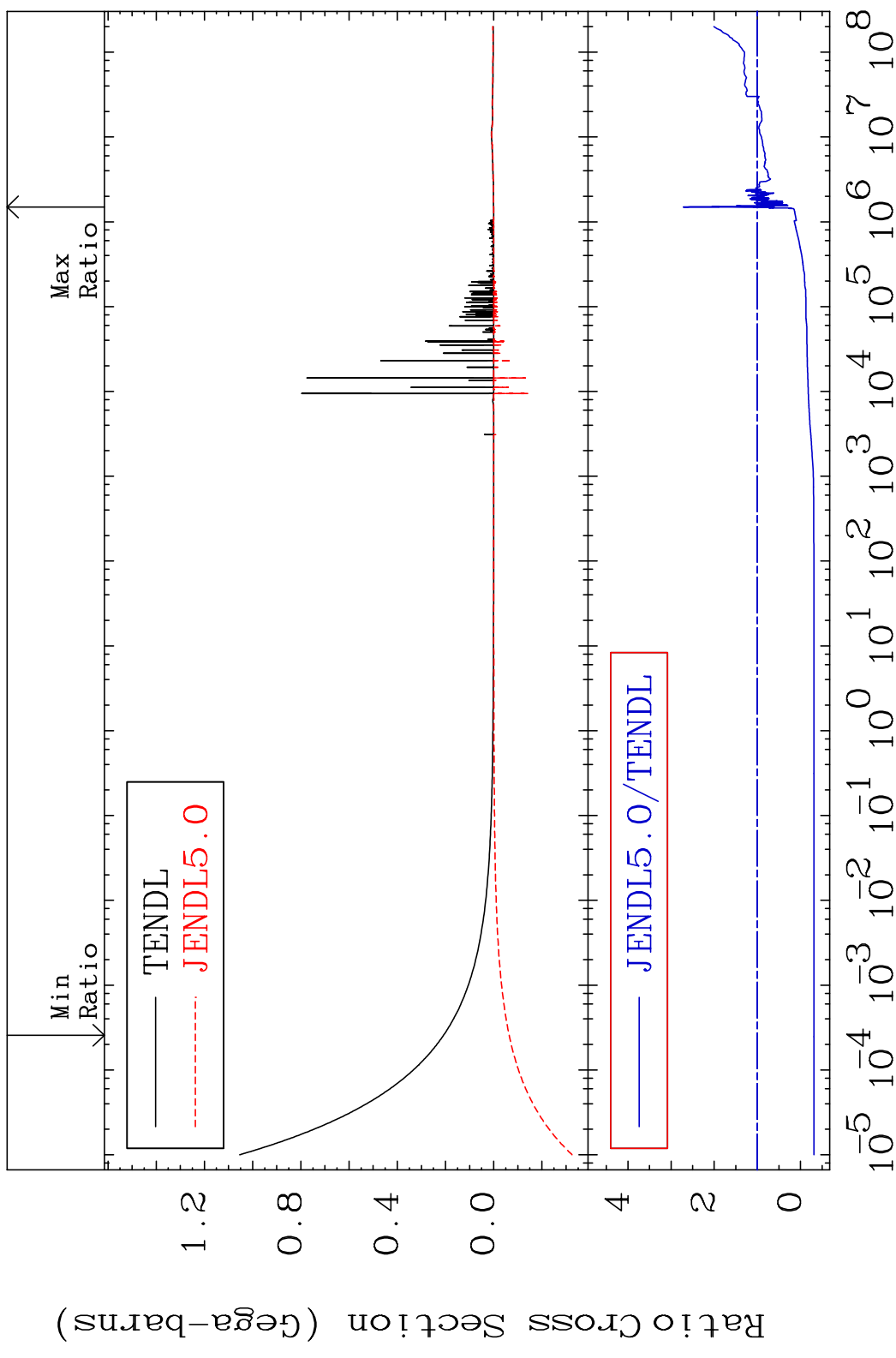


MAT 2625 Kerma capture (mt102) ²⁶Fe-54
Cross Section -100.0 To 78.65 %



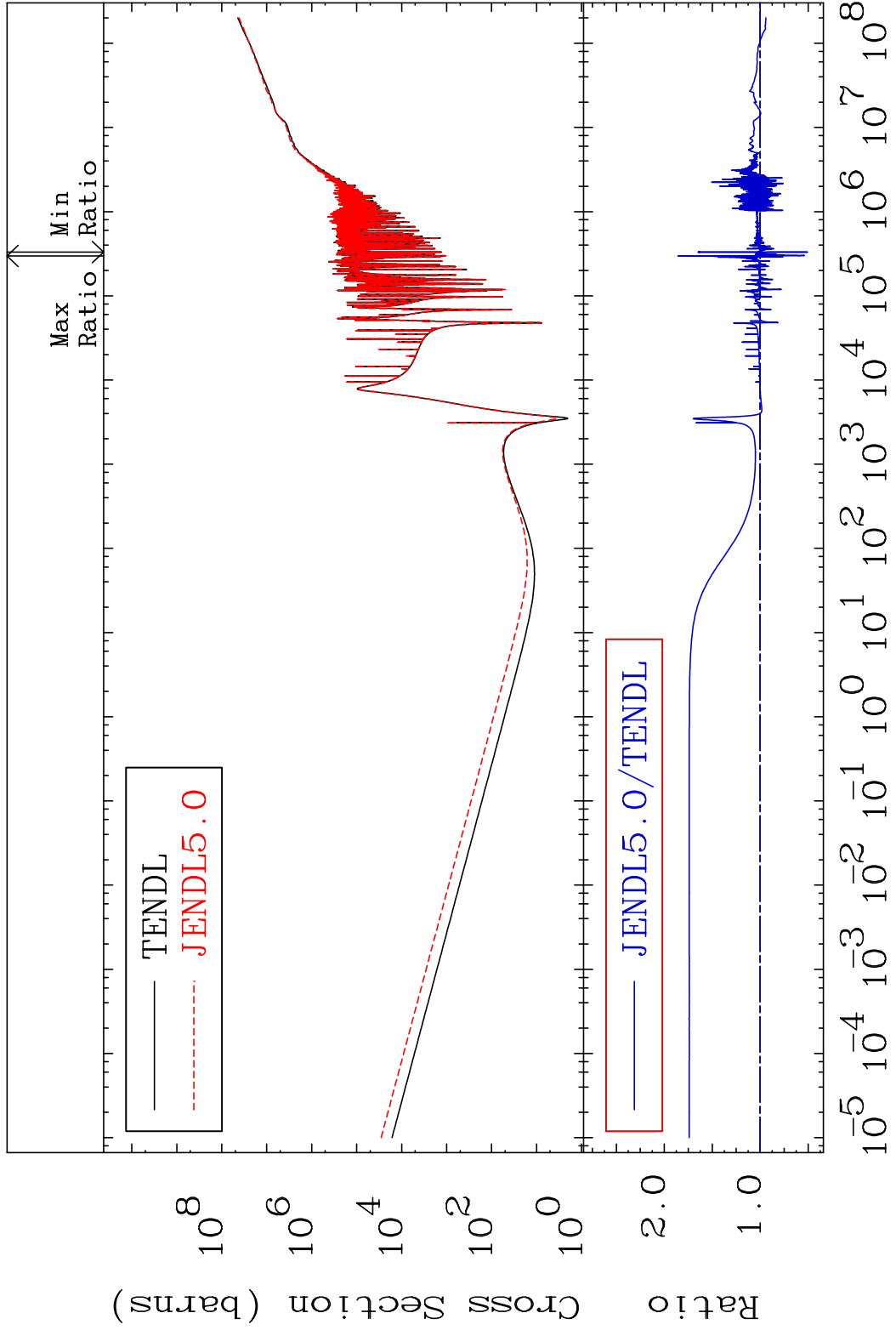
45 Incident Energy (eV) ²⁶Fe-54

MAT 2625 Total photon (eV-barns) ²⁶Fe-54
Cross Section -130.9 To 171.3 %

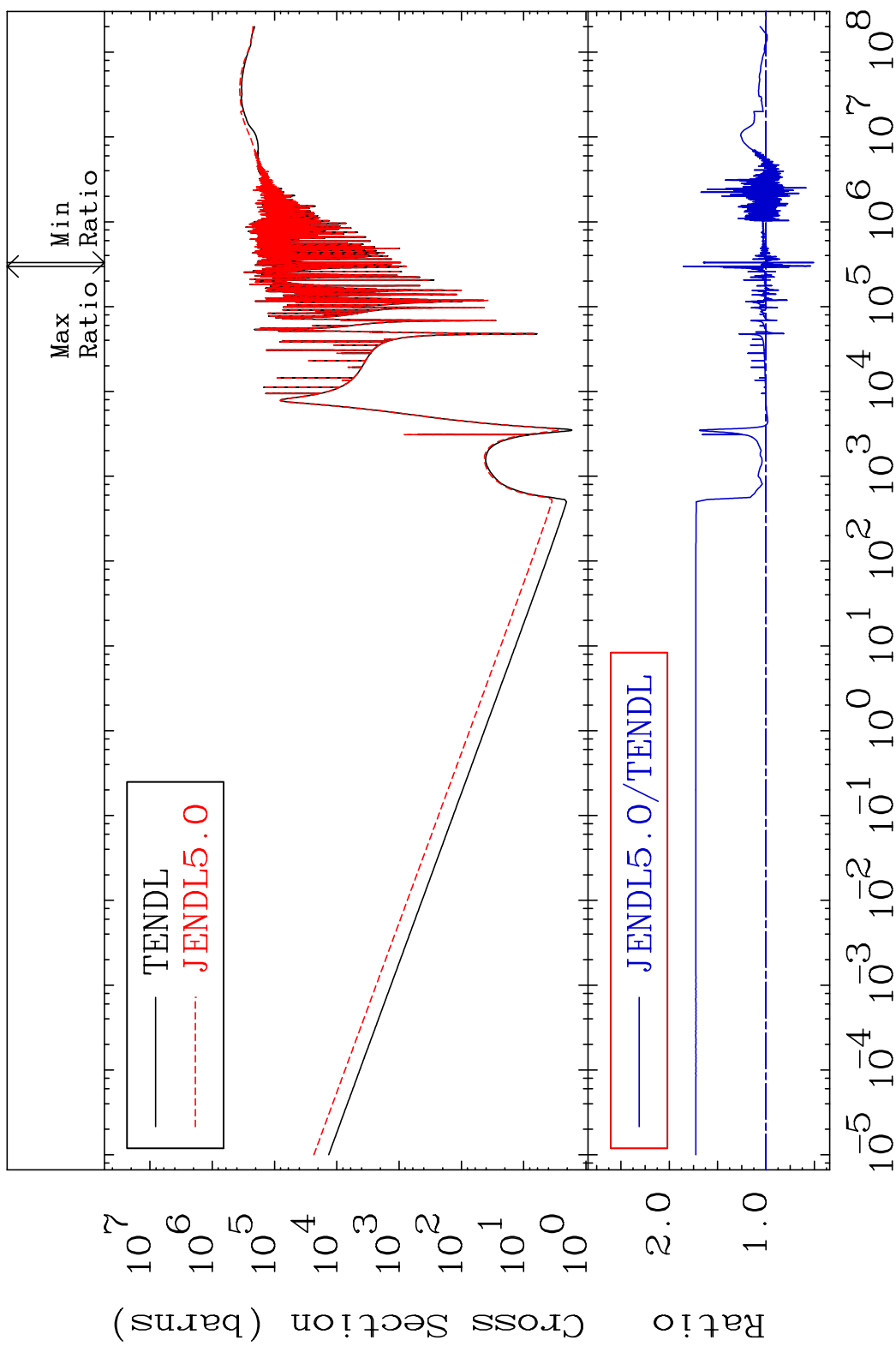


46 Incident Energy (eV) ²⁶Fe-54

MAT 2625 Total kinematic kerma (high limit) 26-Fe-54
 Cross Section -49.53 To 85.40 %

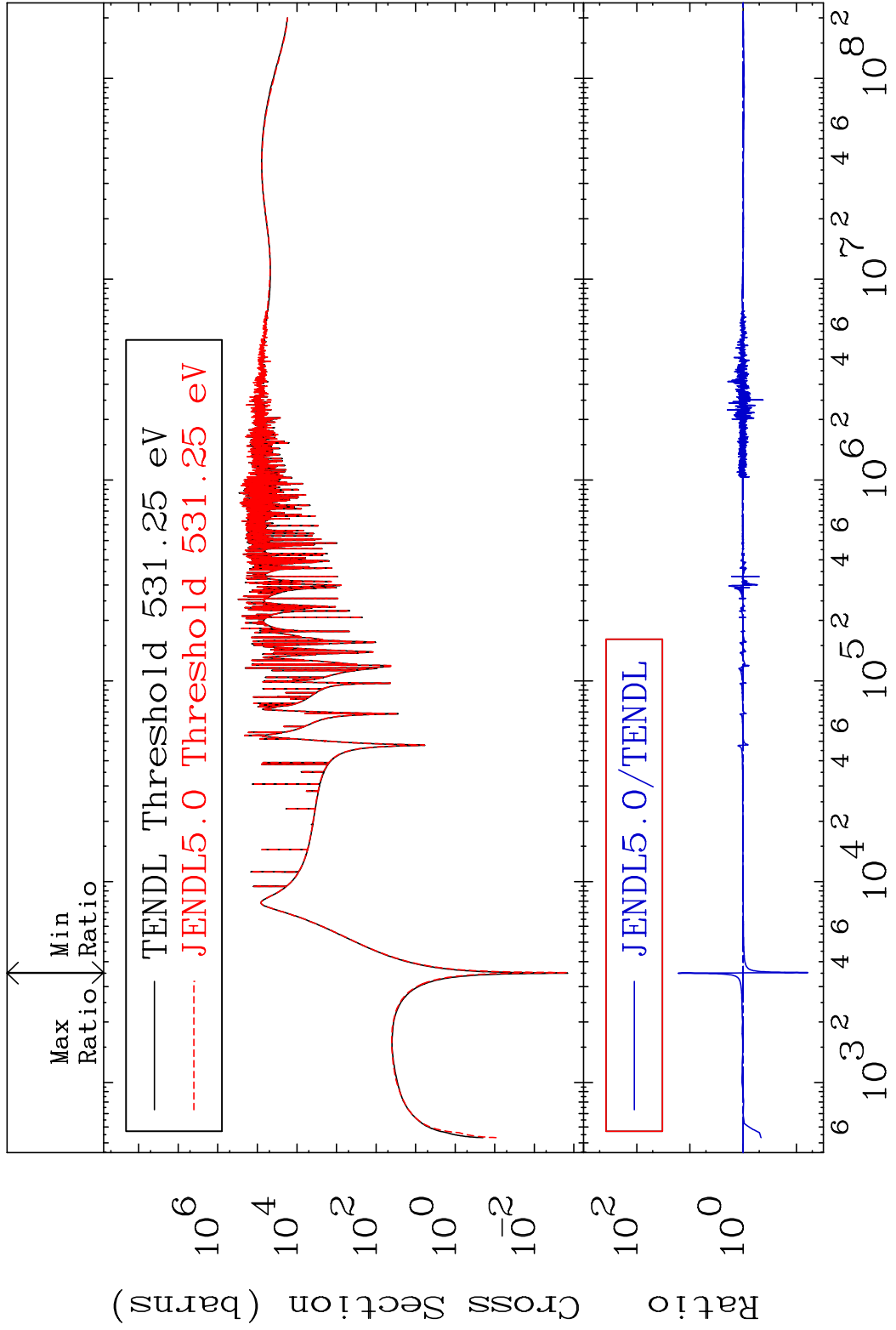


MAT 2625 Dpa total (eV-barns) 26-Fe-54
 Cross Section -49.55 To 85.32 %

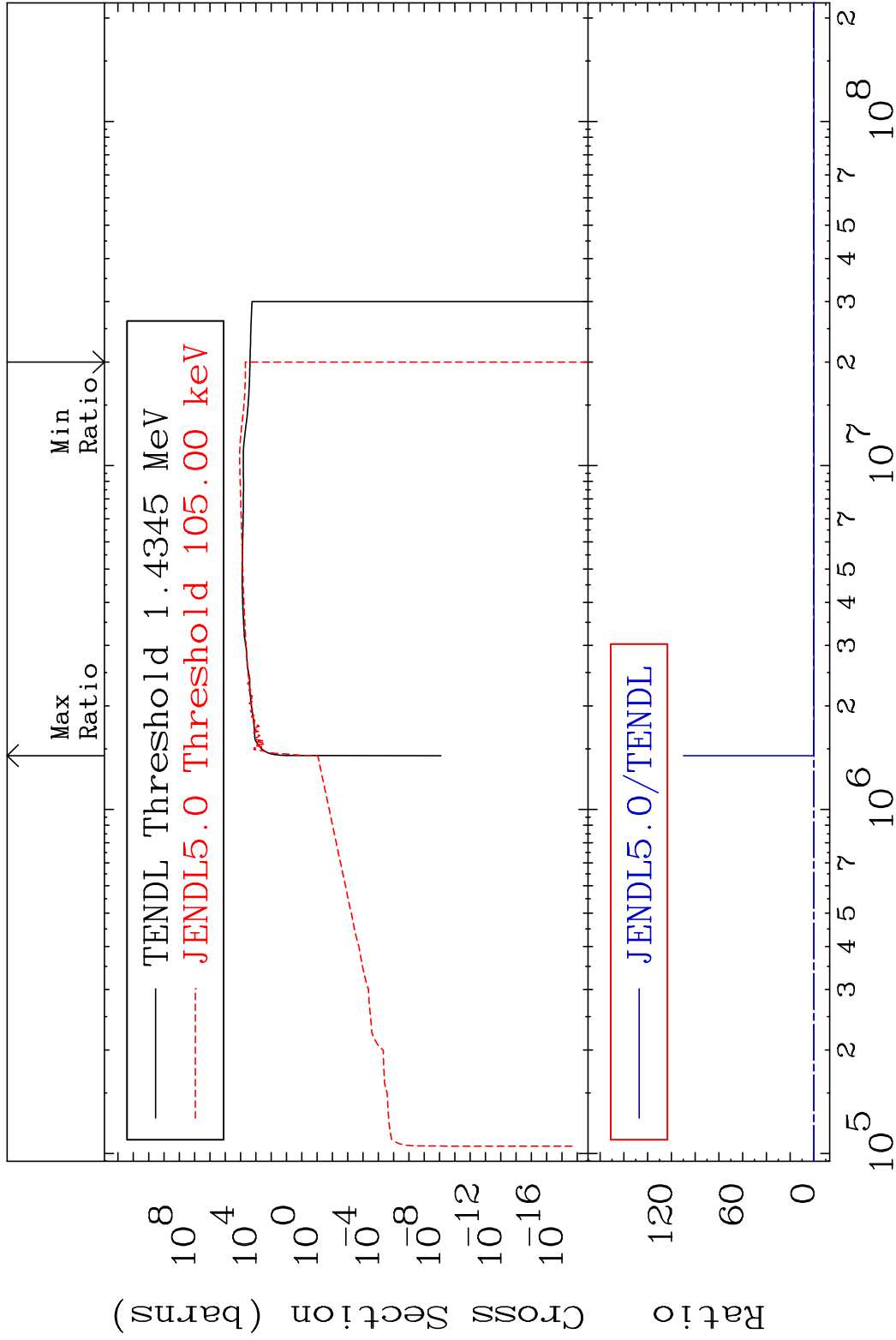


48 Incident Energy (eV) 26-Fe-54

MAT 2625 Dpa elastic (mt2) ²⁶Fe-54
 Cross Section -93.90 To 1559. %

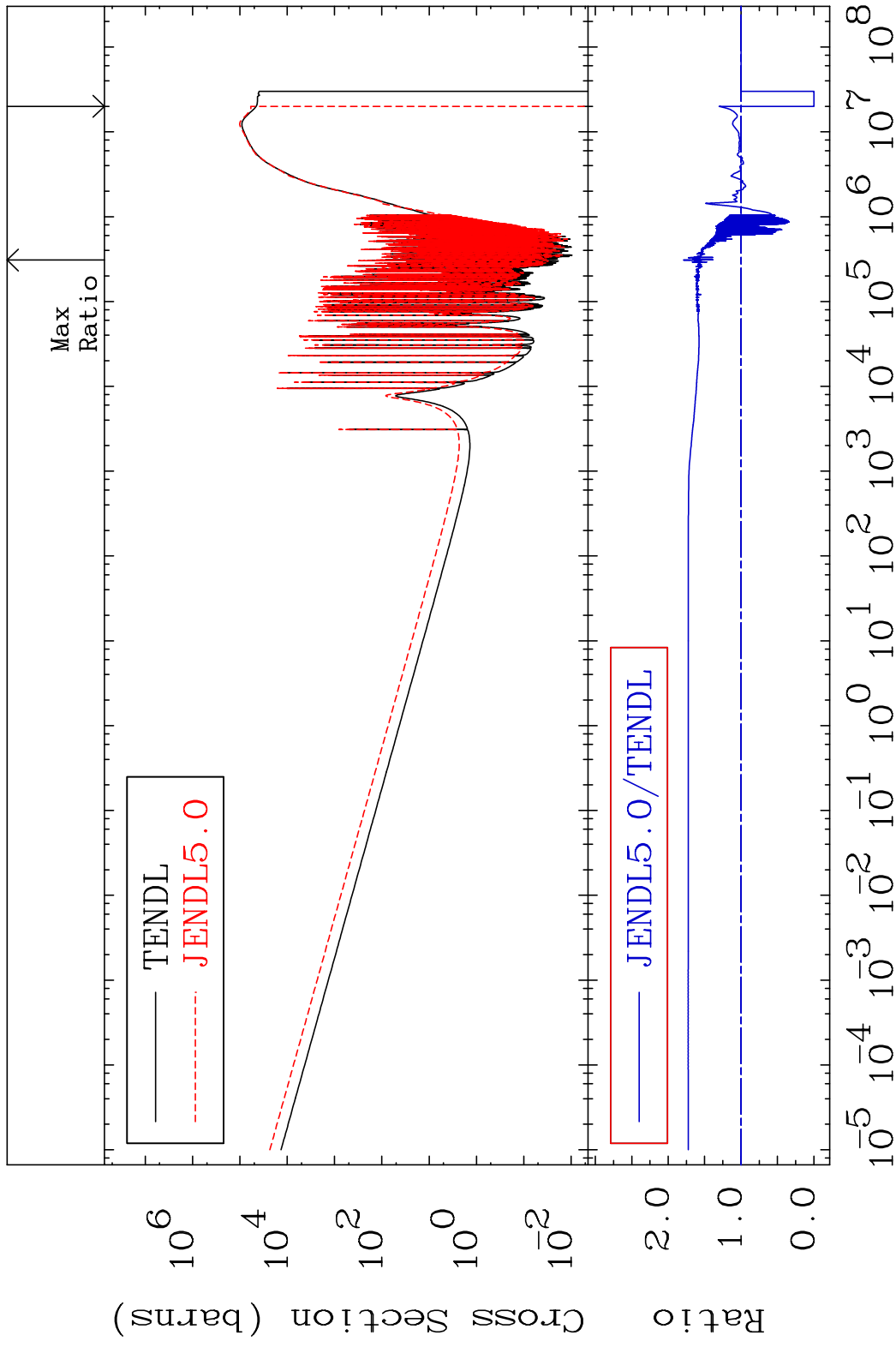


MAT 2625 Dpa inelastic (mt51-91) 26-Fe-54
 Cross Section -100.0 To 9999. %



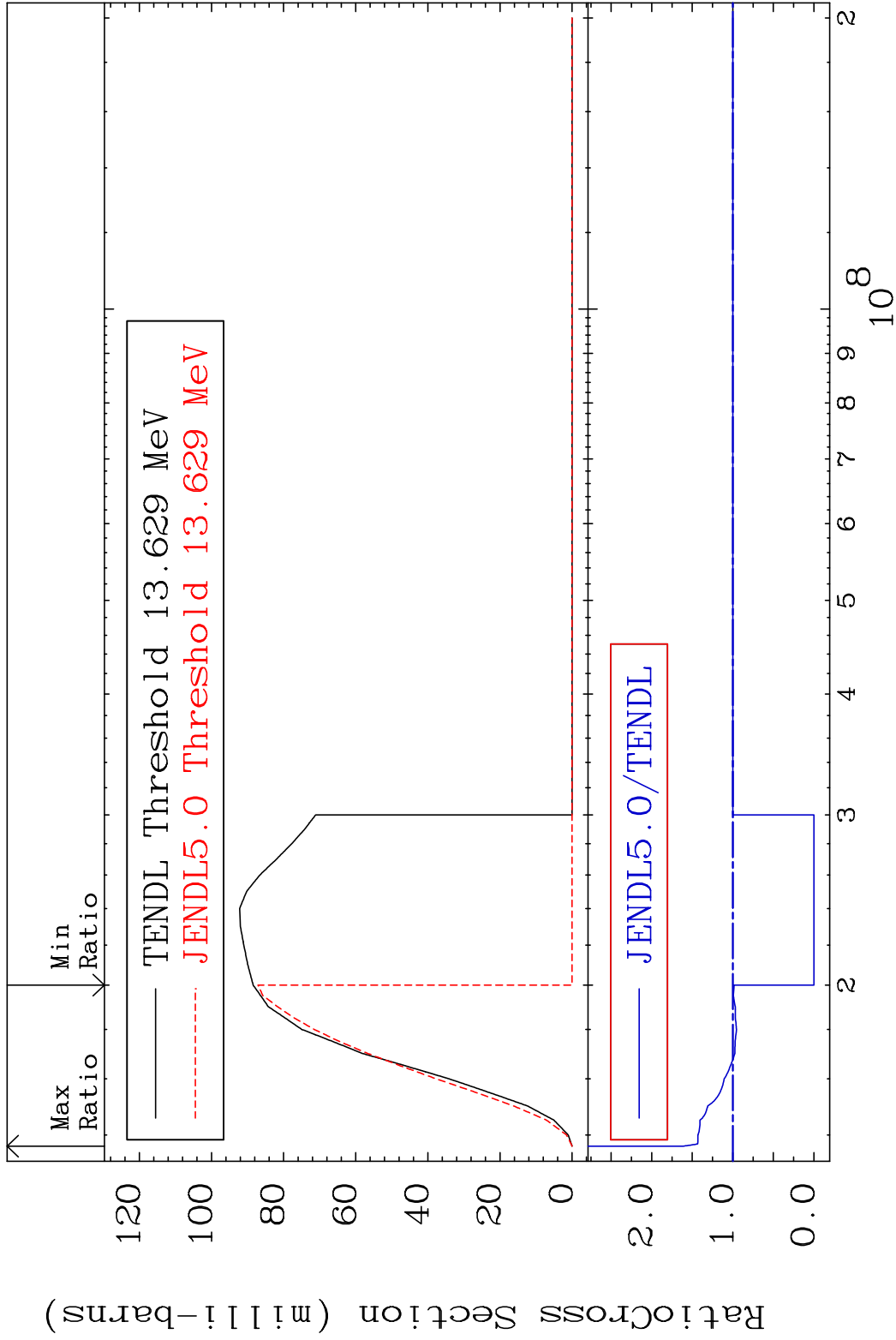
50 Incident Energy (eV) 26-Fe-54

MAT 2625 Dpa disappearance (mt102 -120) 26-Fe-54
 Cross Section -100.0 To 79.04 %

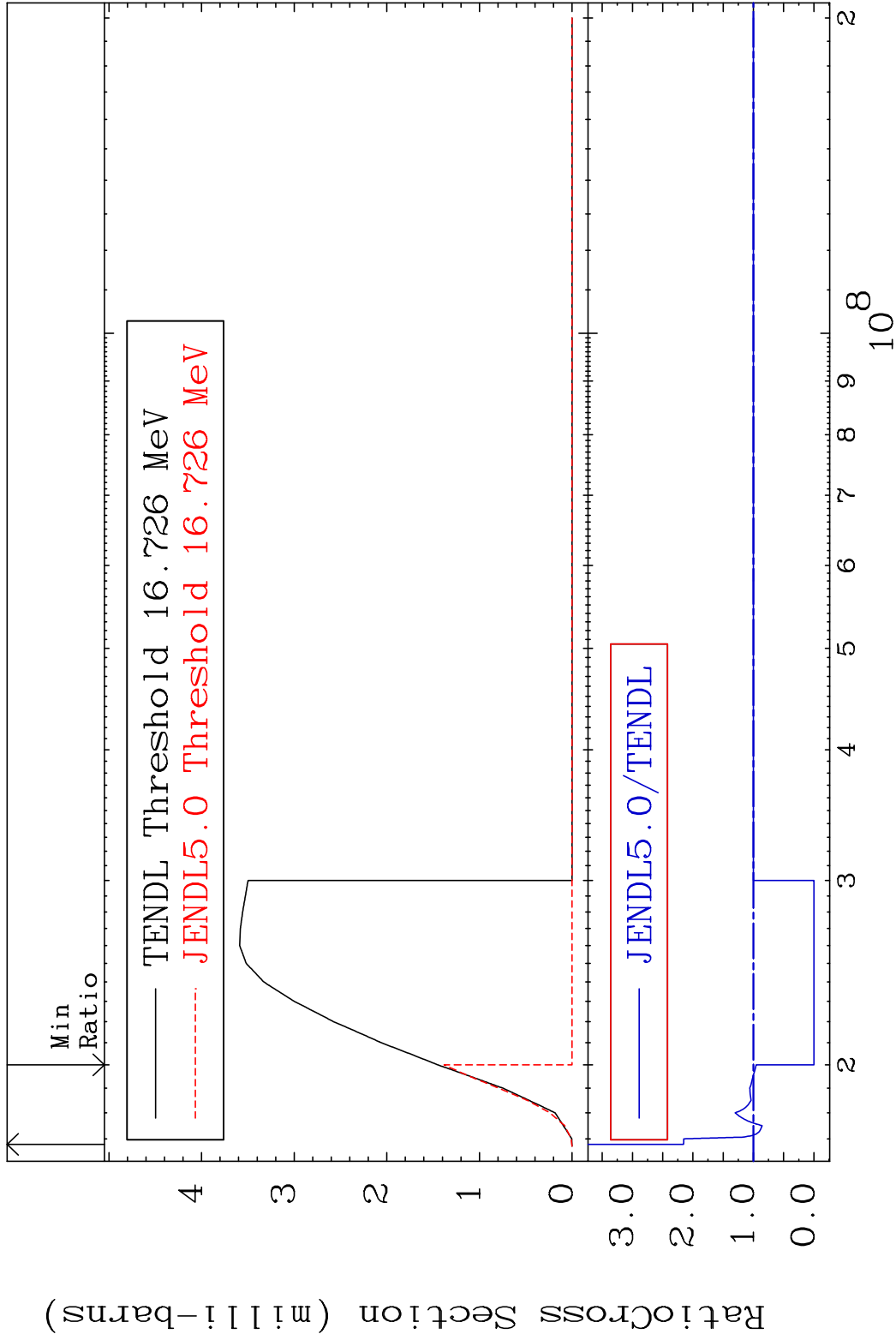


51 Incident Energy (eV) 26-Fe-54

MAT 2625 (n,2n):26-Fe-53g 26-Fe-54
 Radionuclide Production Cross Section 180000 dpo 60.84 %



52 26-Fe-54



MAT 2625 (n, t): 25-Mn-52g 26-Fe-54
 Radionuclide Production Cross Section 100.0 dth 103.1 %

