

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

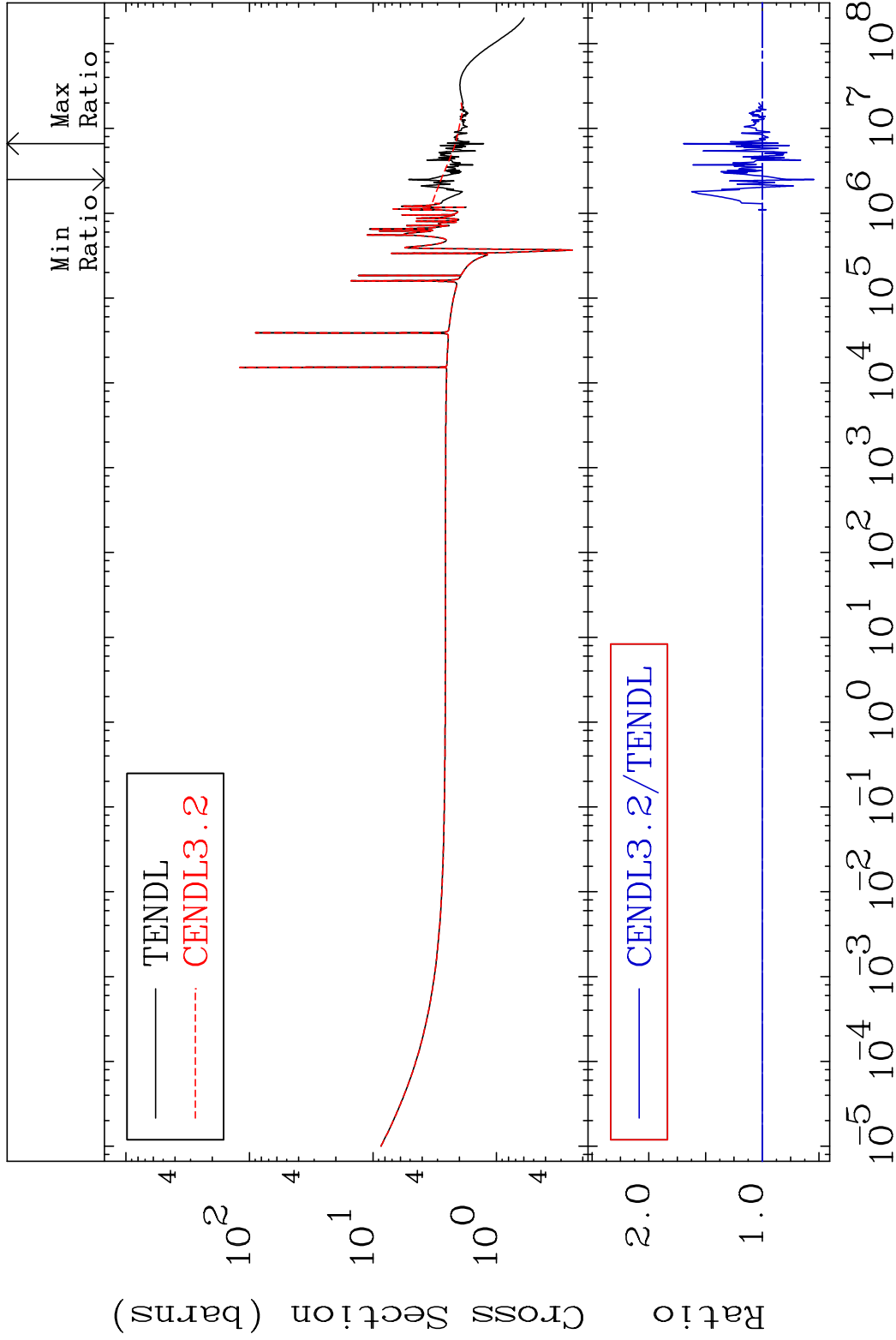
MAT 1428

Total

14-Si-29

Cross Section

-45.47 To 69.50 %



1

Incident Energy (eV)

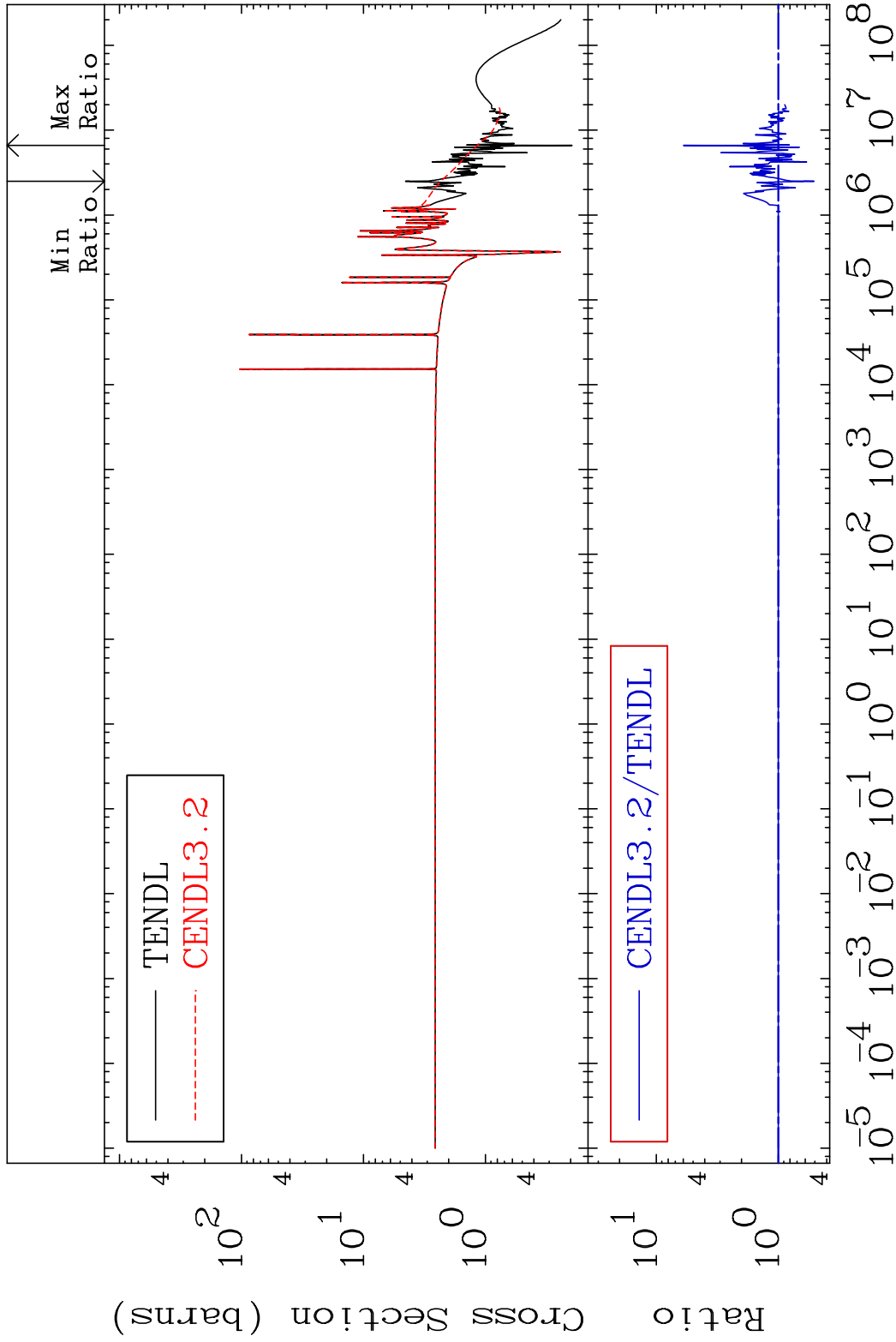
14-Si-29

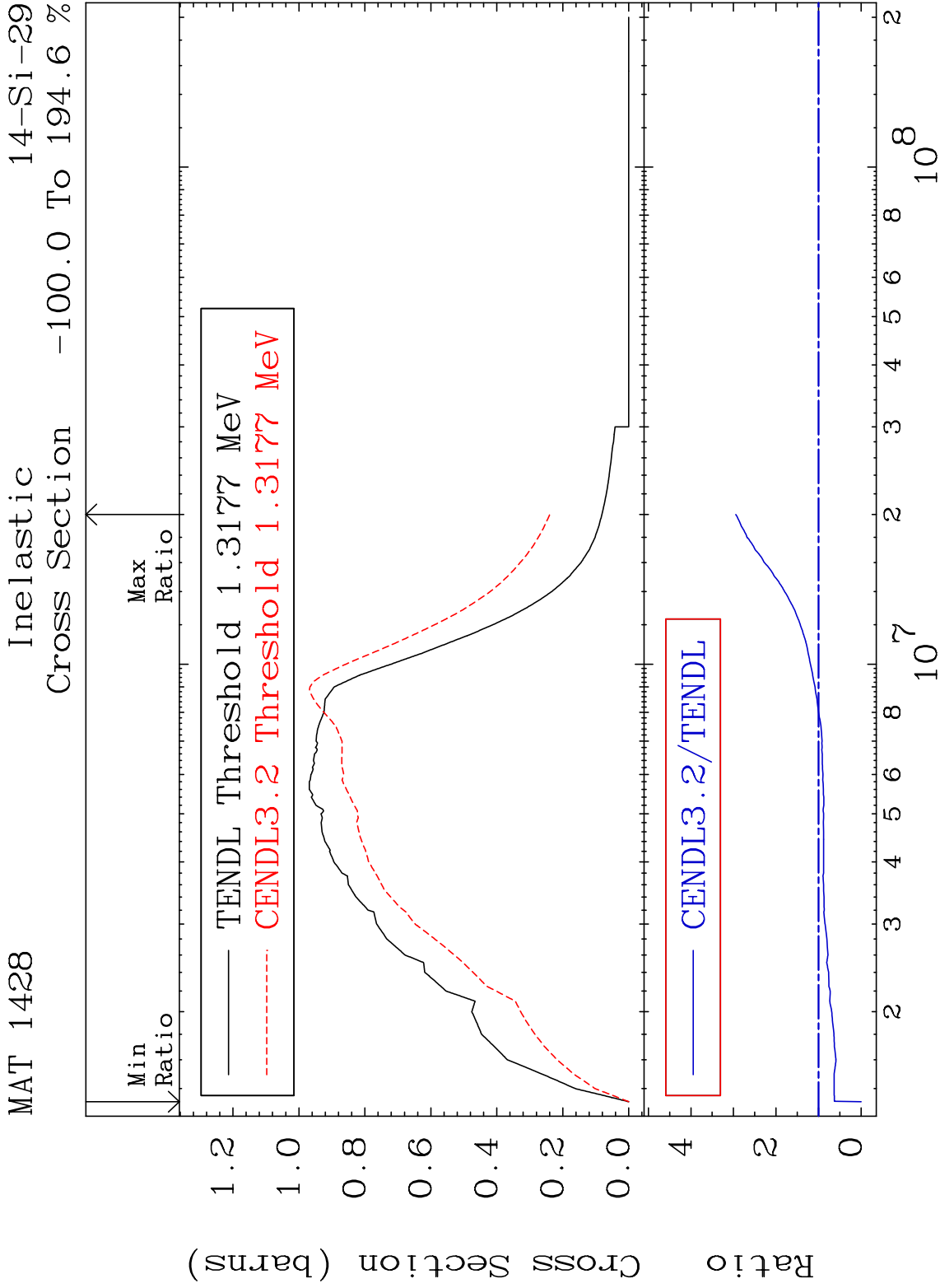
MAT 1428

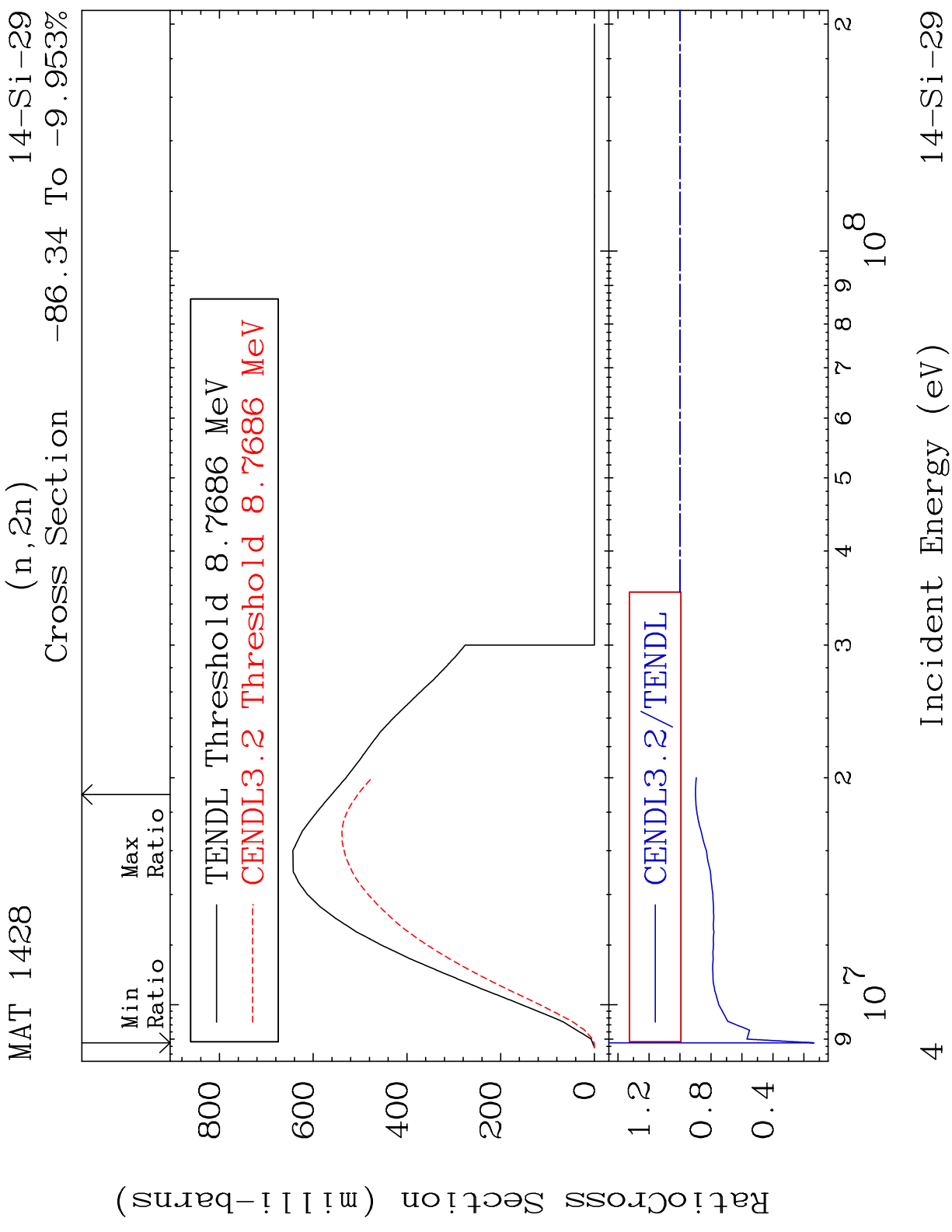
Elastic

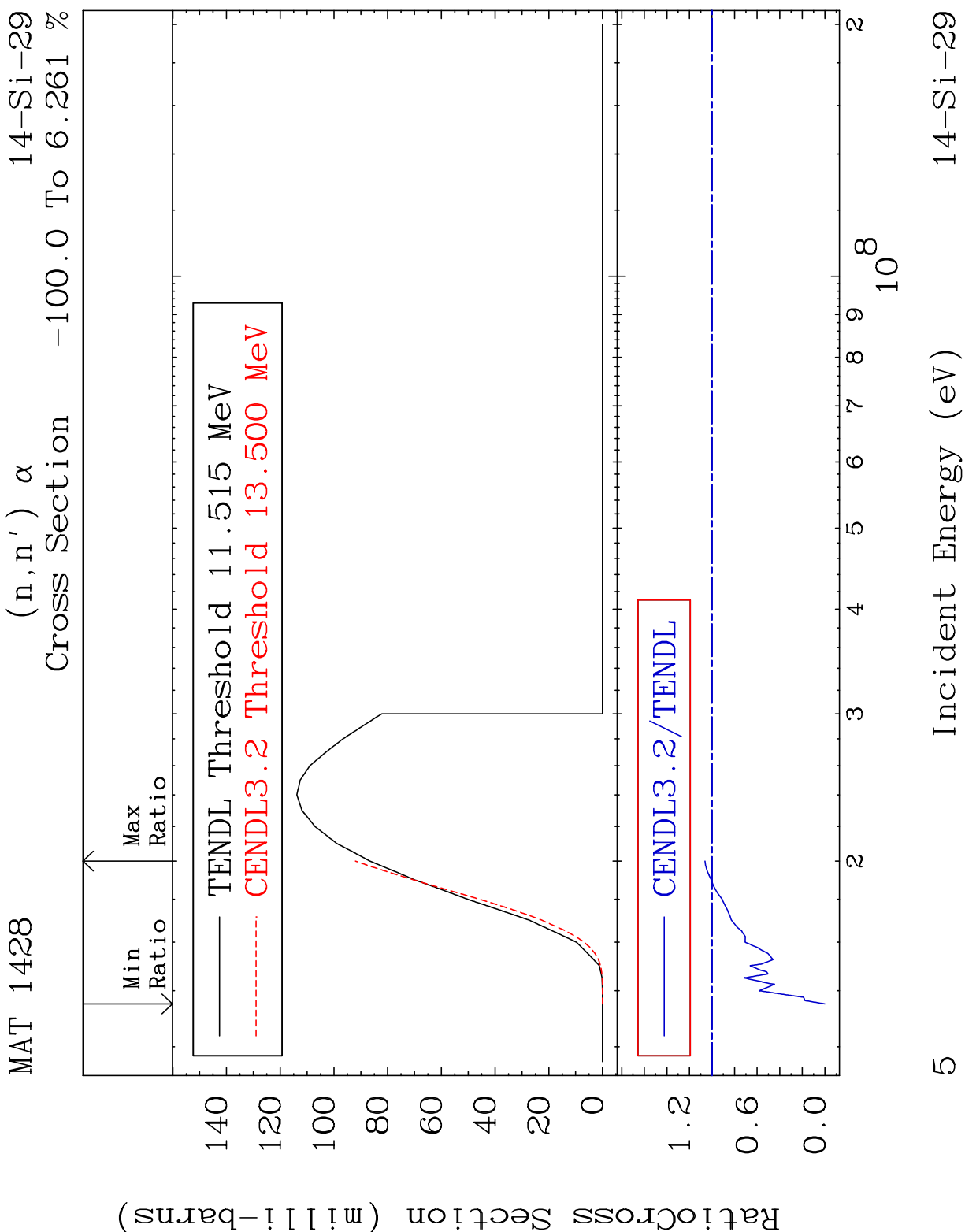
14-Si-29

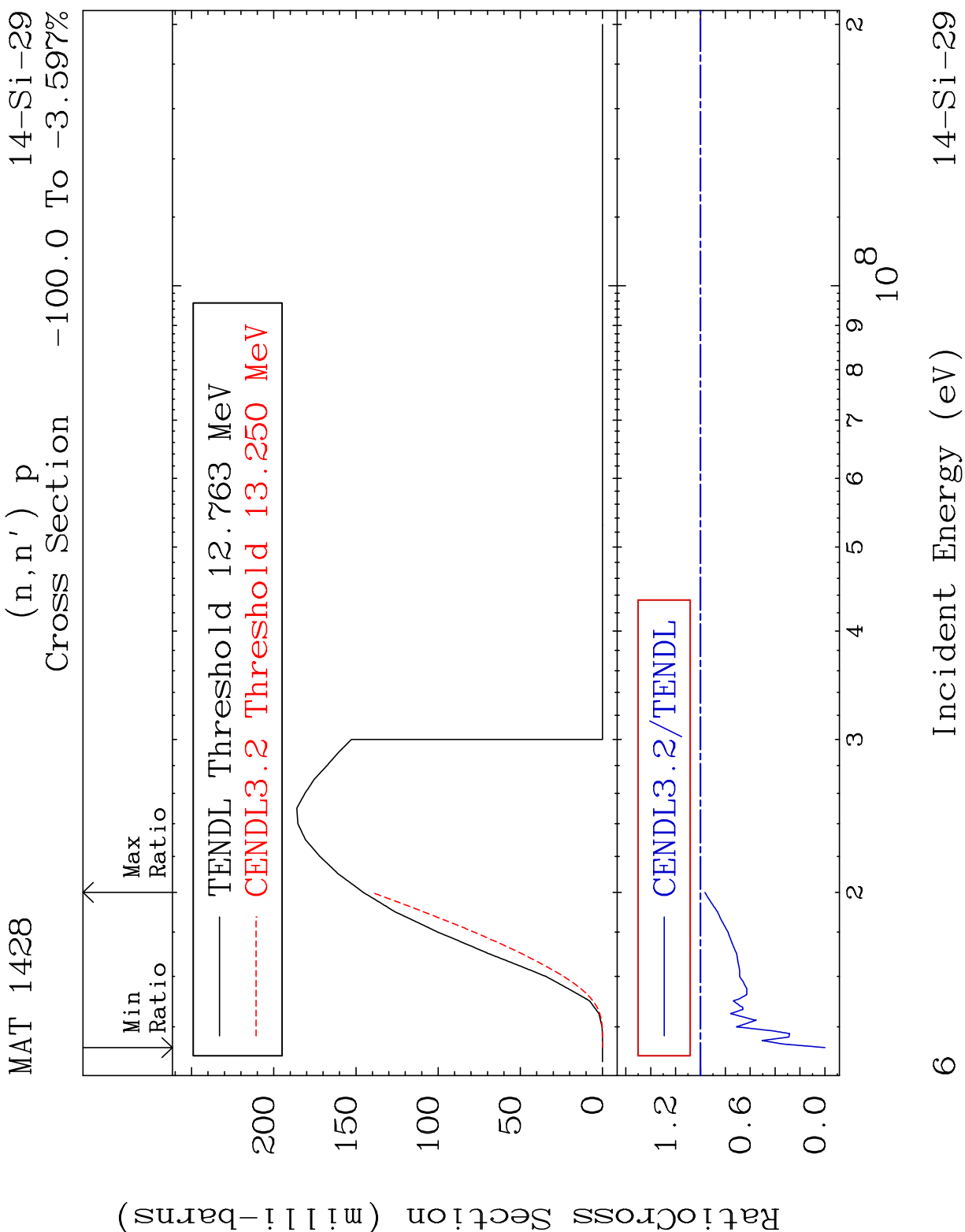
Cross Section -49.03 To 499.0 %



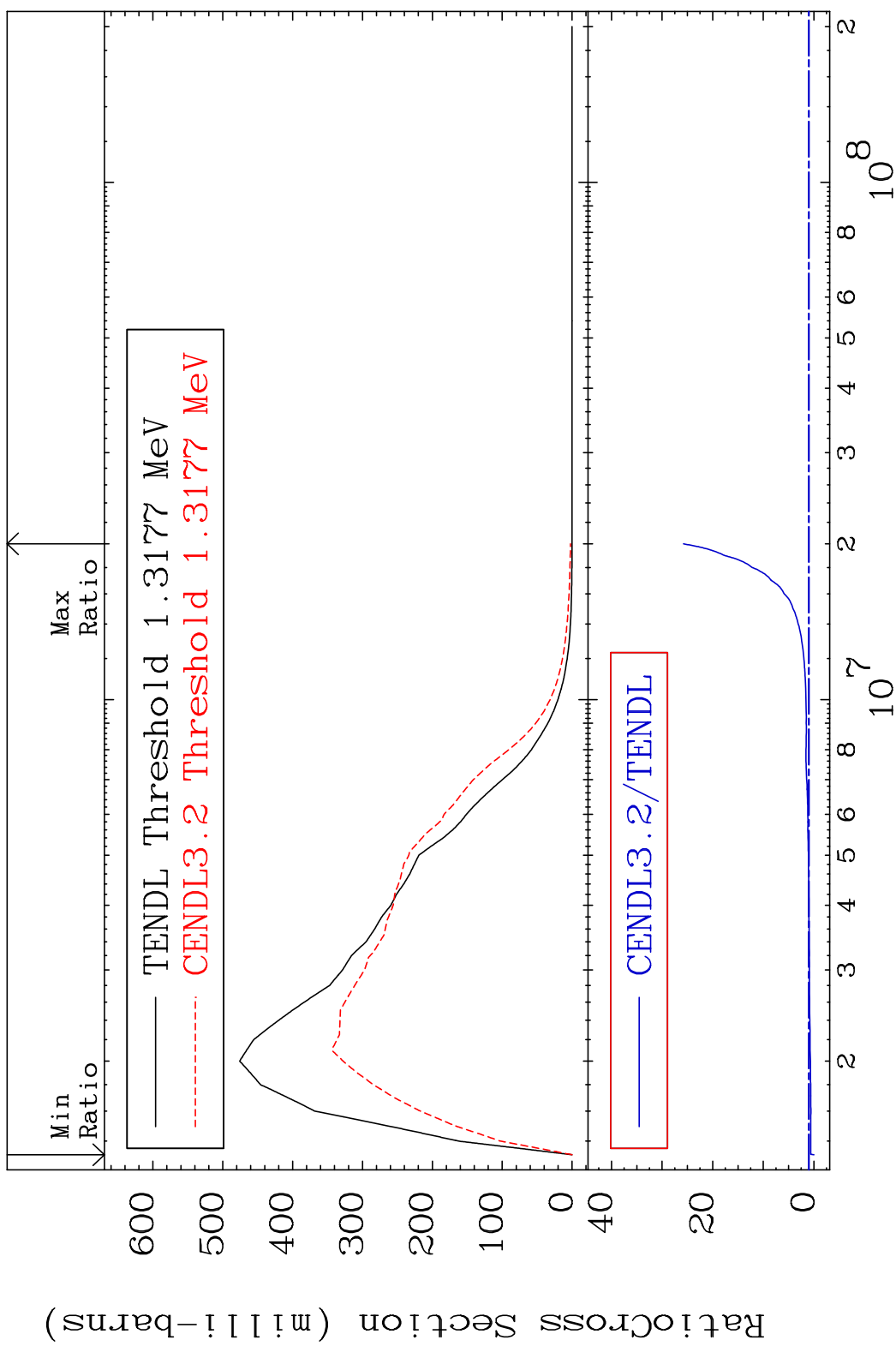






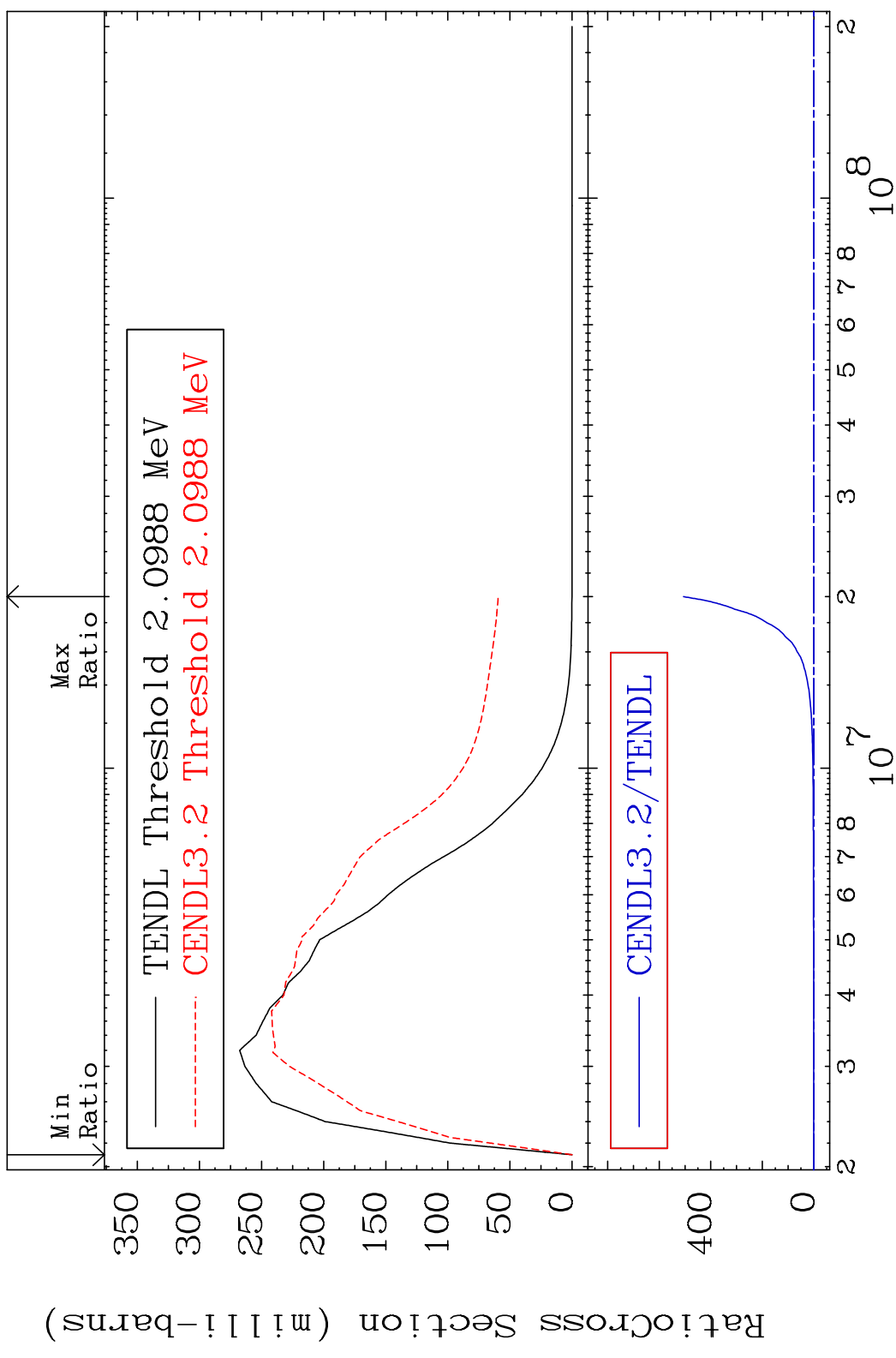


MAT 1428 MT= 51 (n, n') Level 14-Si-29
 Cross Section -100.0 To 2478. %



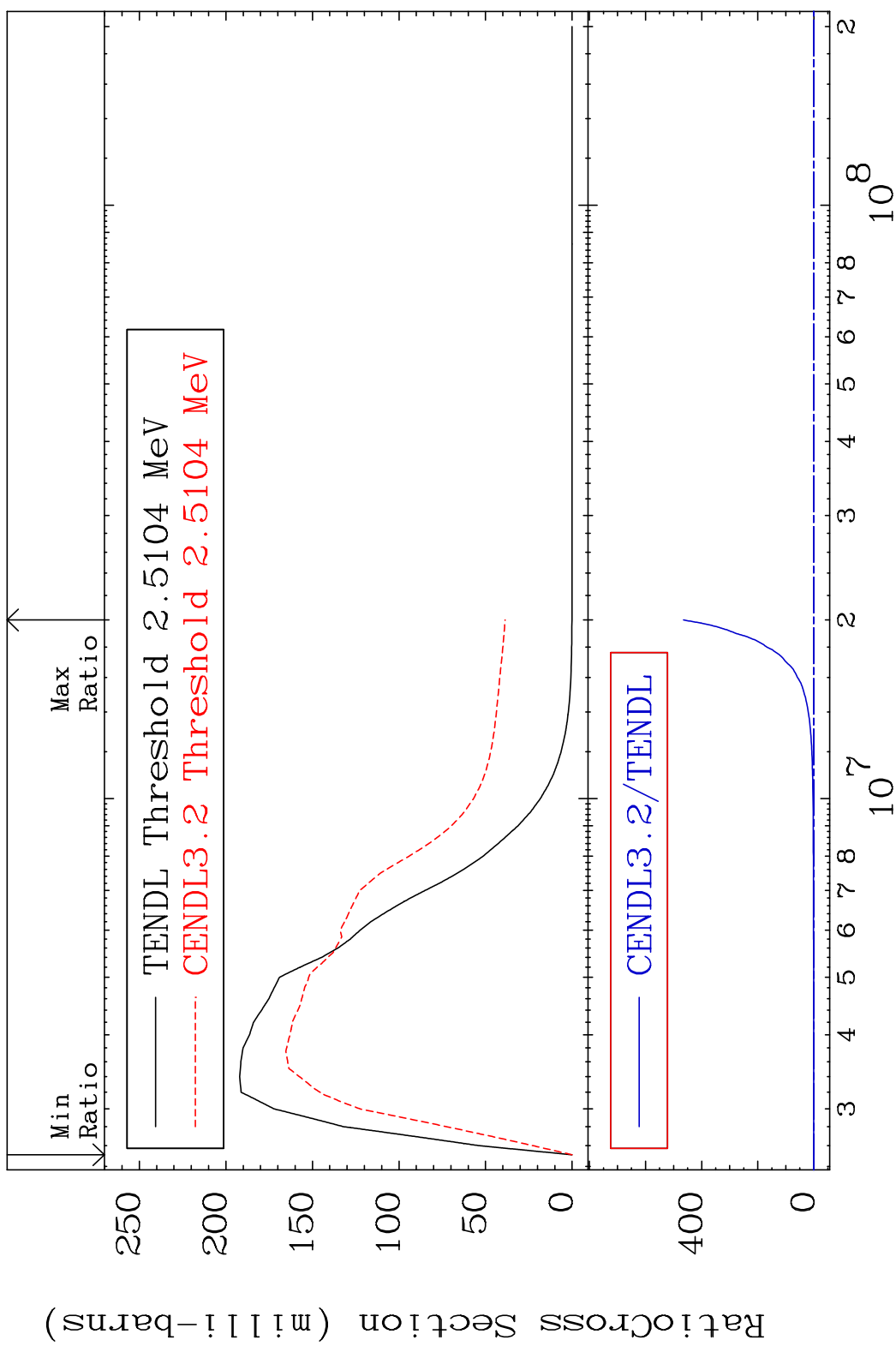
7 14-Si-29

MAT 1428 MT= 52 (n, n') Level 14-Si-29
 Cross Section -100.0 To 9999. %



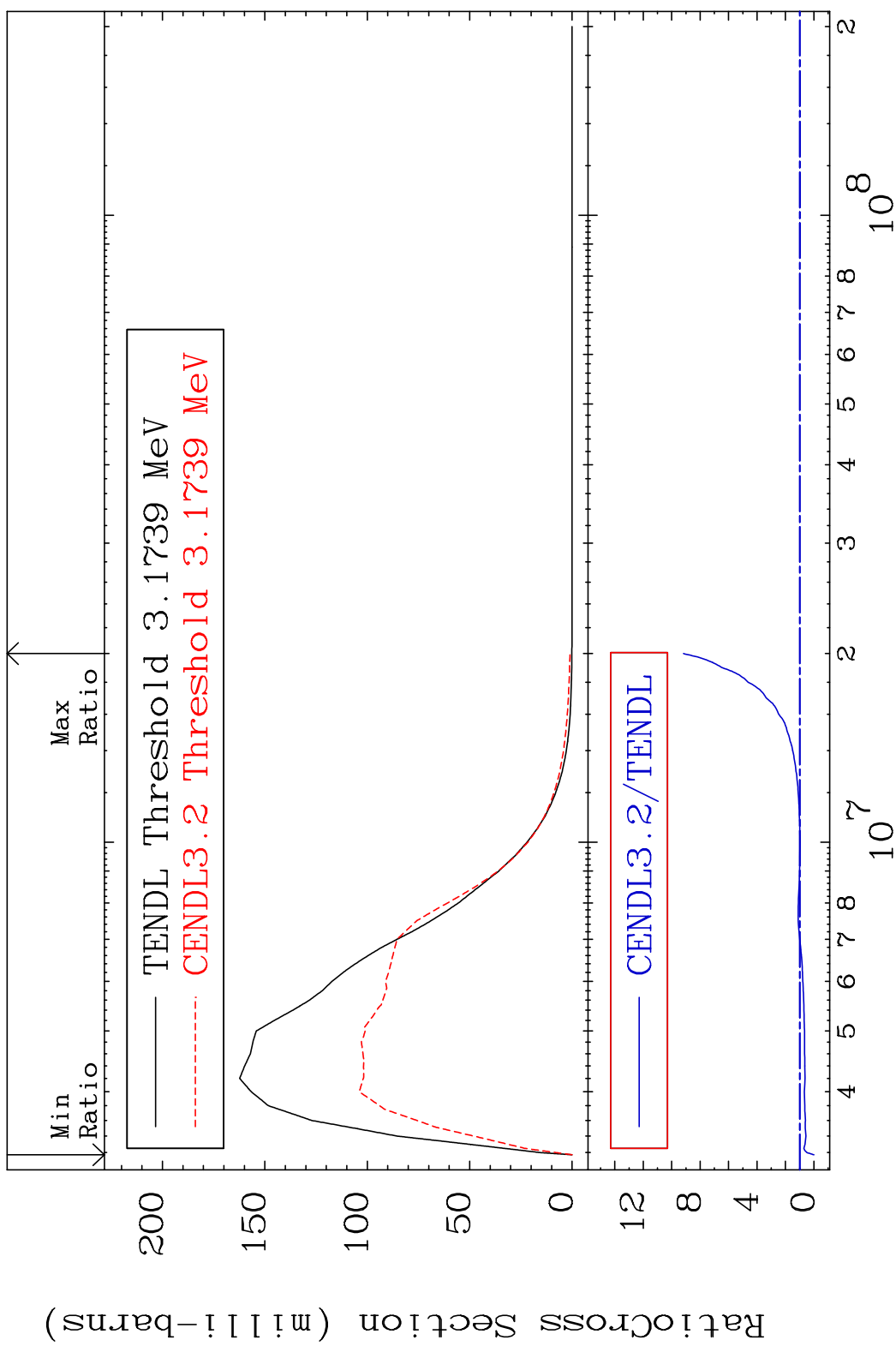
8 Incident Energy (eV) 14-Si-29

MAT 1428 MT= 53 (n, n') Level 14-Si-29
 Cross Section -100.0 To 9999. %



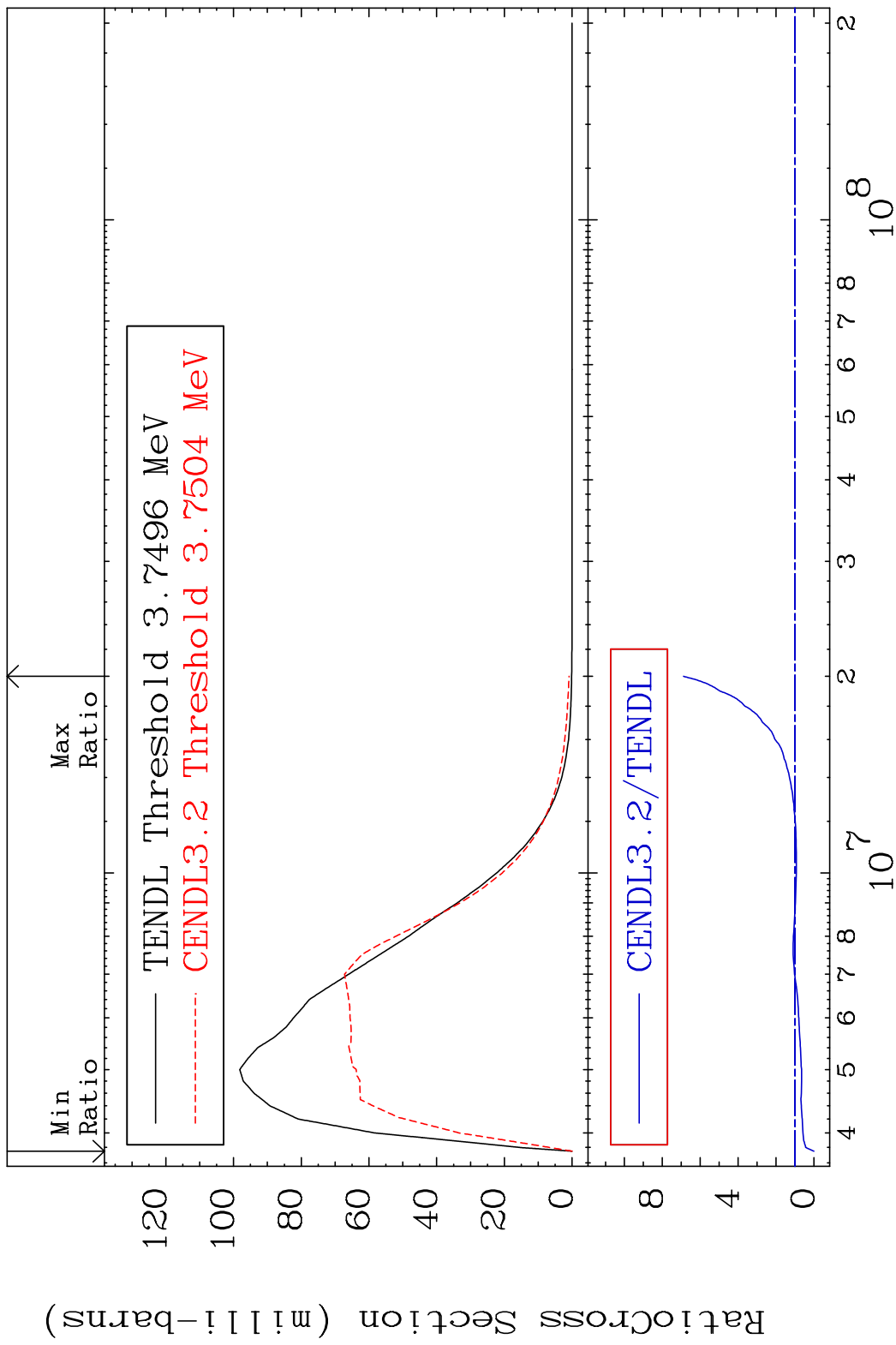
9 Incident Energy (eV) 14-Si-29

MAT 1428 MT= 54 (n, n') Level 14-Si-29
 Cross Section -100.0 To 817.2 %



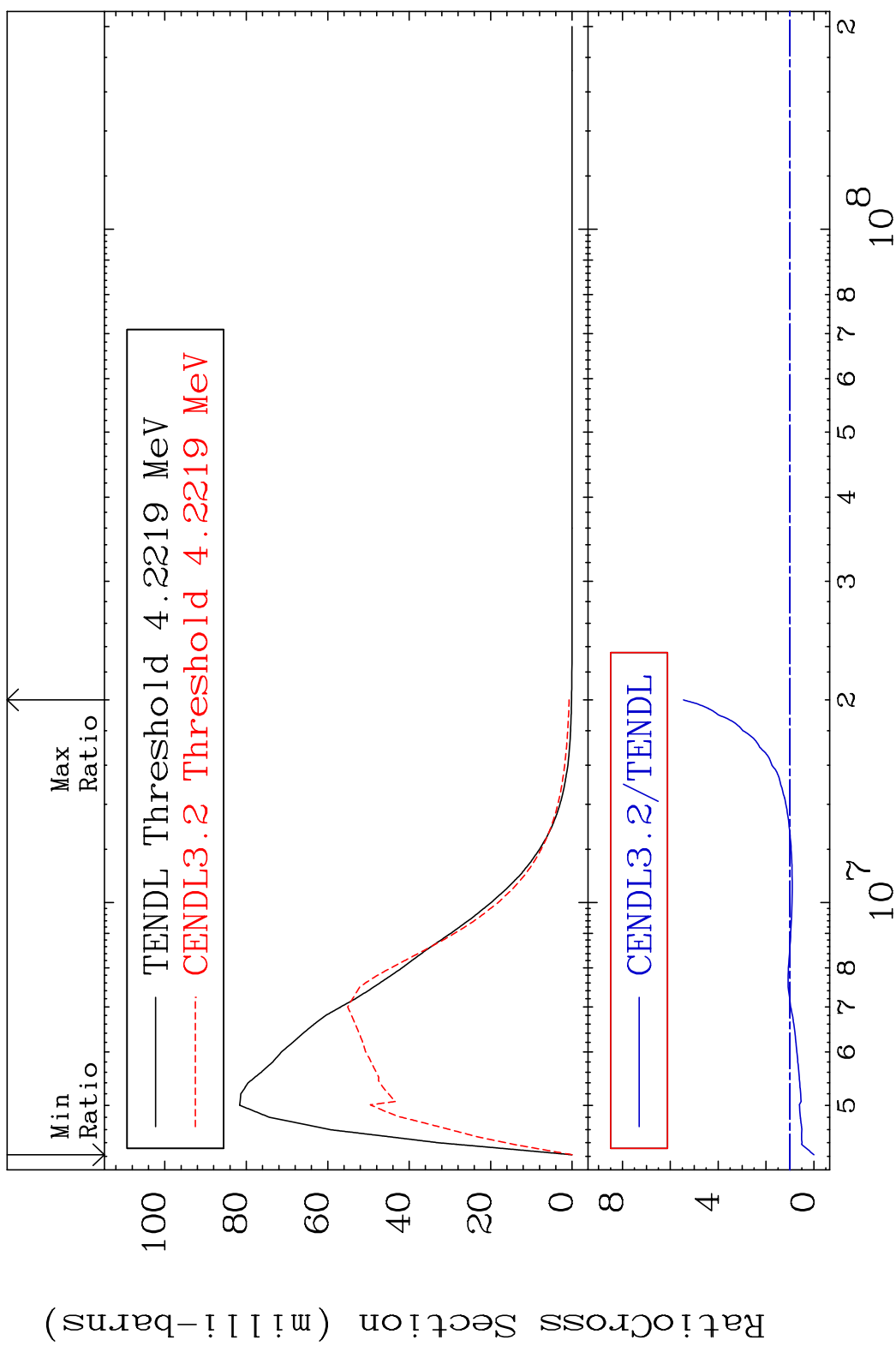
10 14-Si-29

MAT 1428 MT= 55 (n, n') Level 14-Si-29
 Cross Section -100.0 To 588.4 %



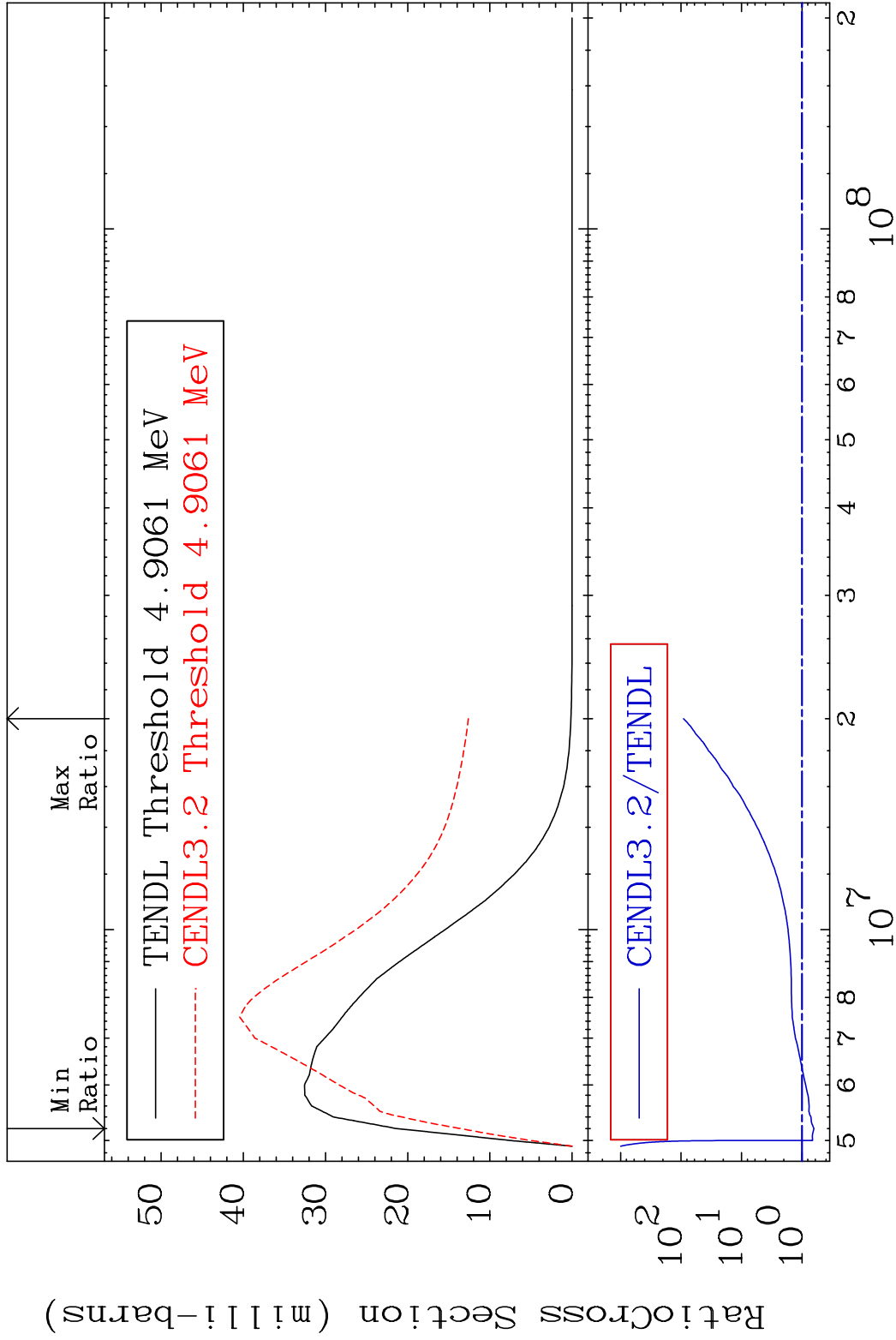
11 Incident Energy (eV) 14-Si-29

MAT 1428 MT= 56 (n, n') Level 14-Si-29
 Cross Section -100.0 To 445.1 %



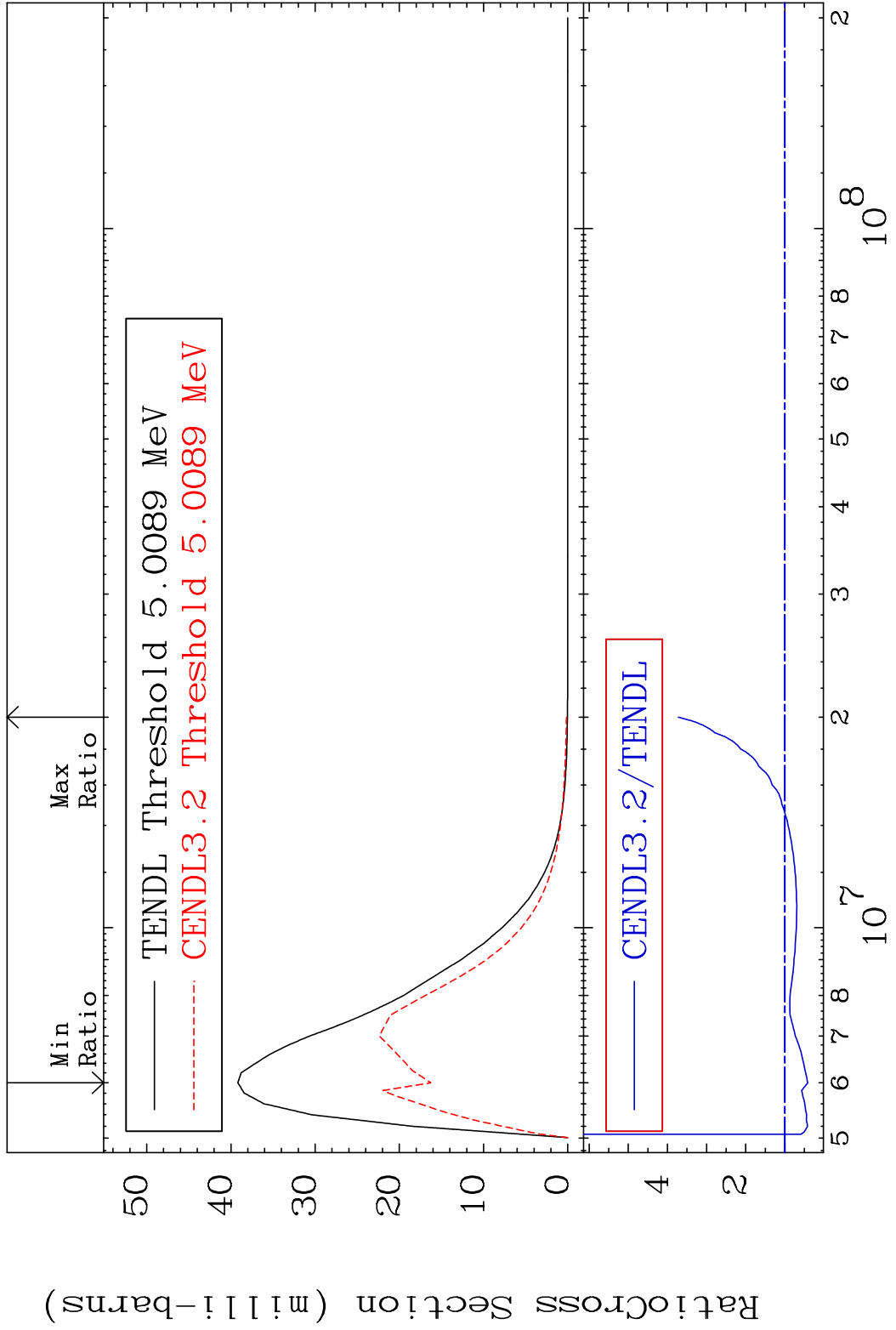
12 14-Si-29

MAT 1428 MT= 57 (n, n') Level 14-Si-29
 Cross Section -36.40 To 9037. %



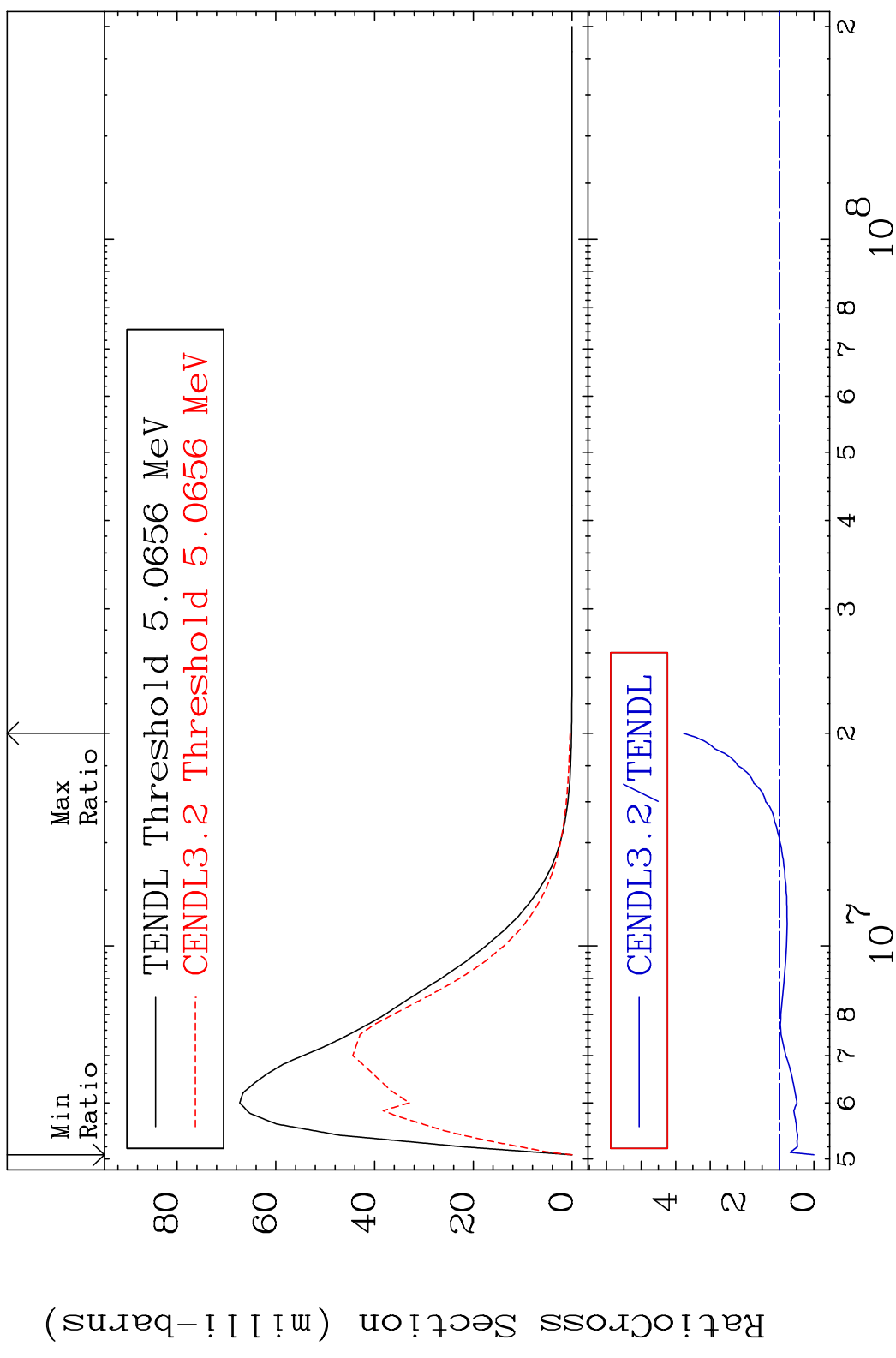
13 Incident Energy (eV) 14-Si-29

MAT 1428 MT= 58 (n, n') Level 14-Si-29
 Cross Section -58.50 To 272.3 %



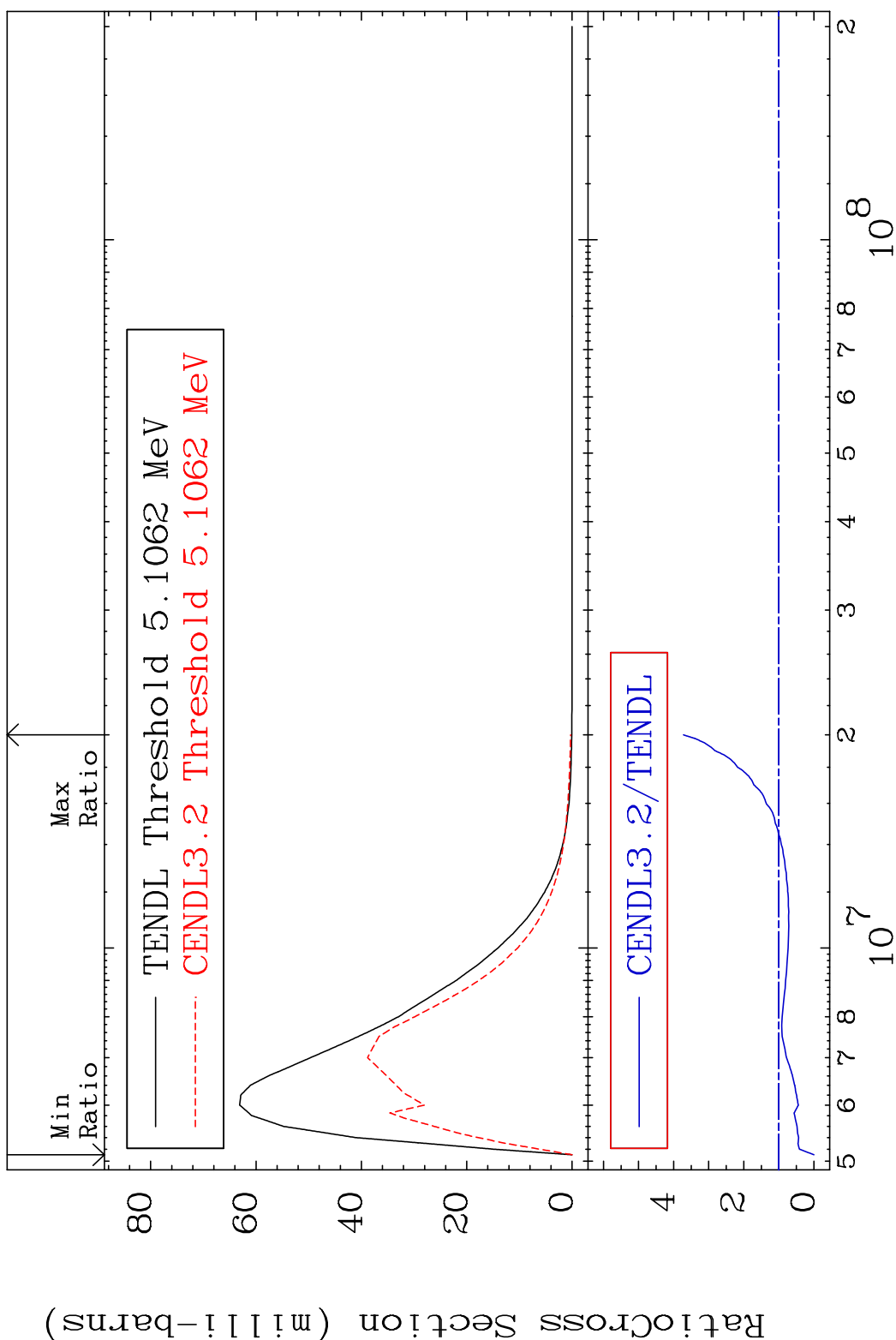
14 Incident Energy (eV) 14-Si-29

MAT 1428 MT= 59 (n, n') Level 14-Si-29
 Cross Section -100.0 To 277.5 %



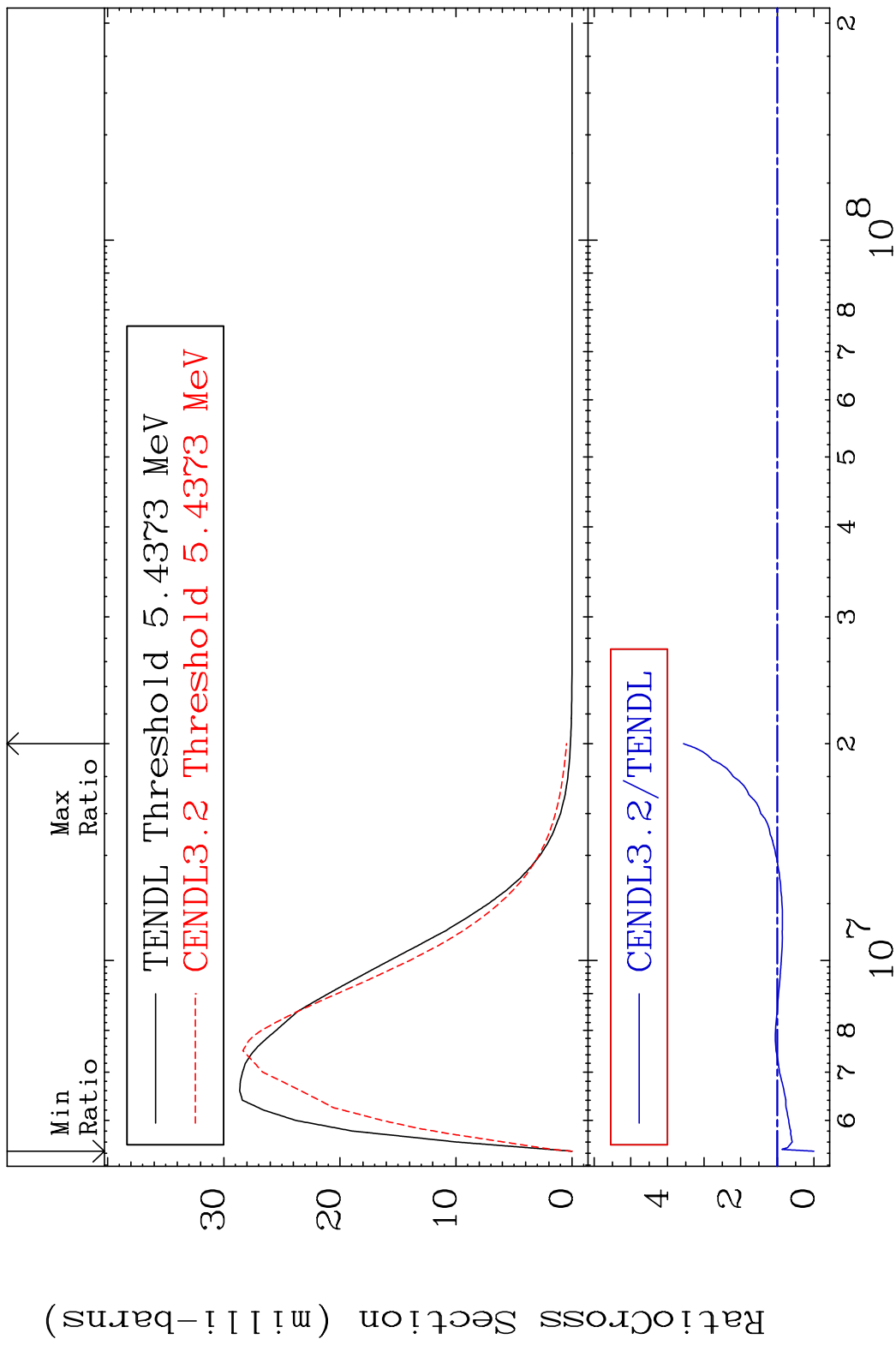
15 Incident Energy (eV) 14-Si-29

MAT 1428 MT= 60 (n, n') Level 14-Si-29
 Cross Section -100.0 To 271.9 %



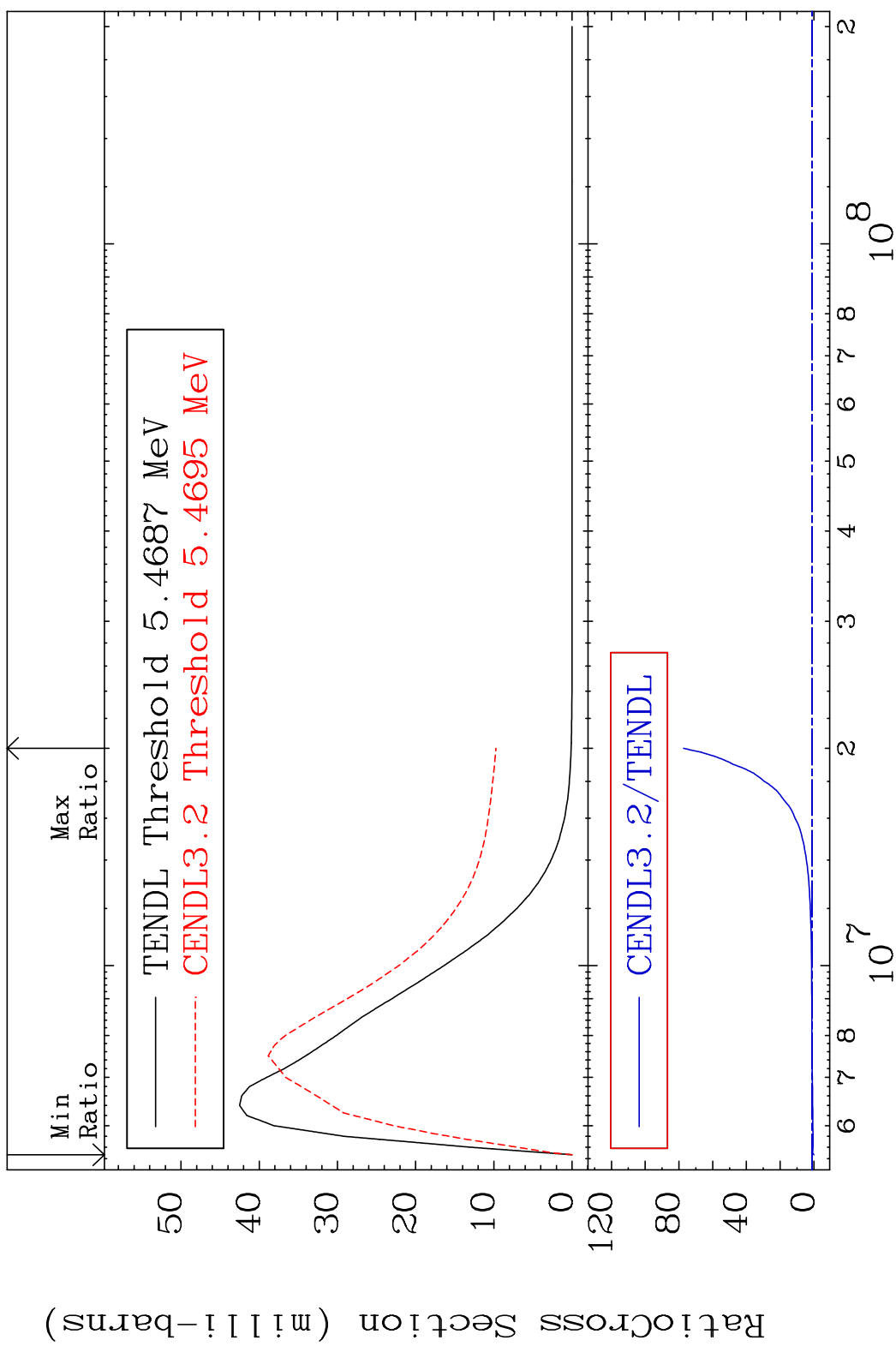
16 Incident Energy (eV) 14-Si-29

MAT 1428 MT= 61 (n, n') Level 14-Si-29
 Cross Section -100.0 To 256.2 %



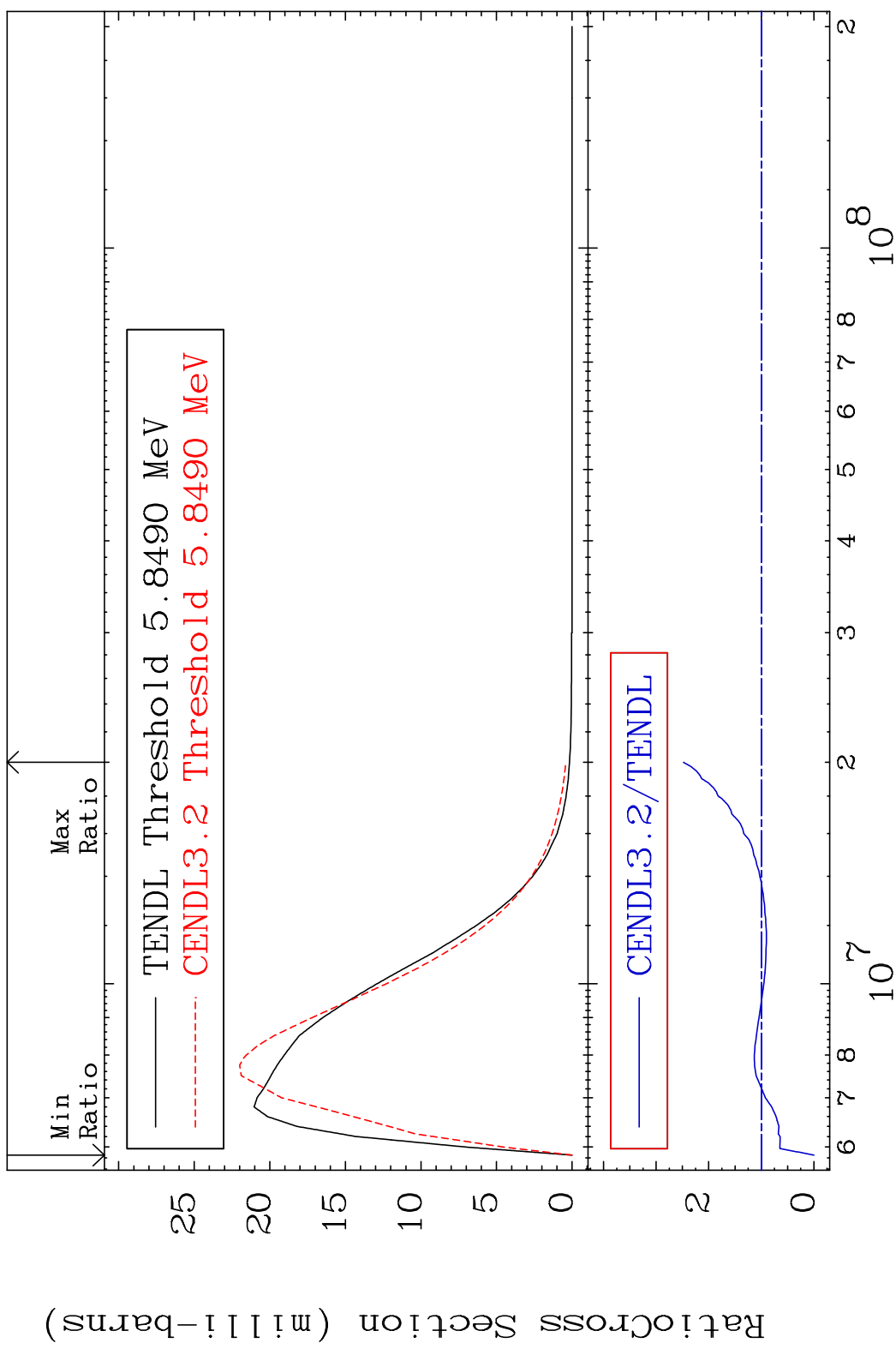
17 14-Si-29

MAT 1428 MT= 62 (n, n') Level 14-Si-29
 Cross Section -100.0 To 7631. %



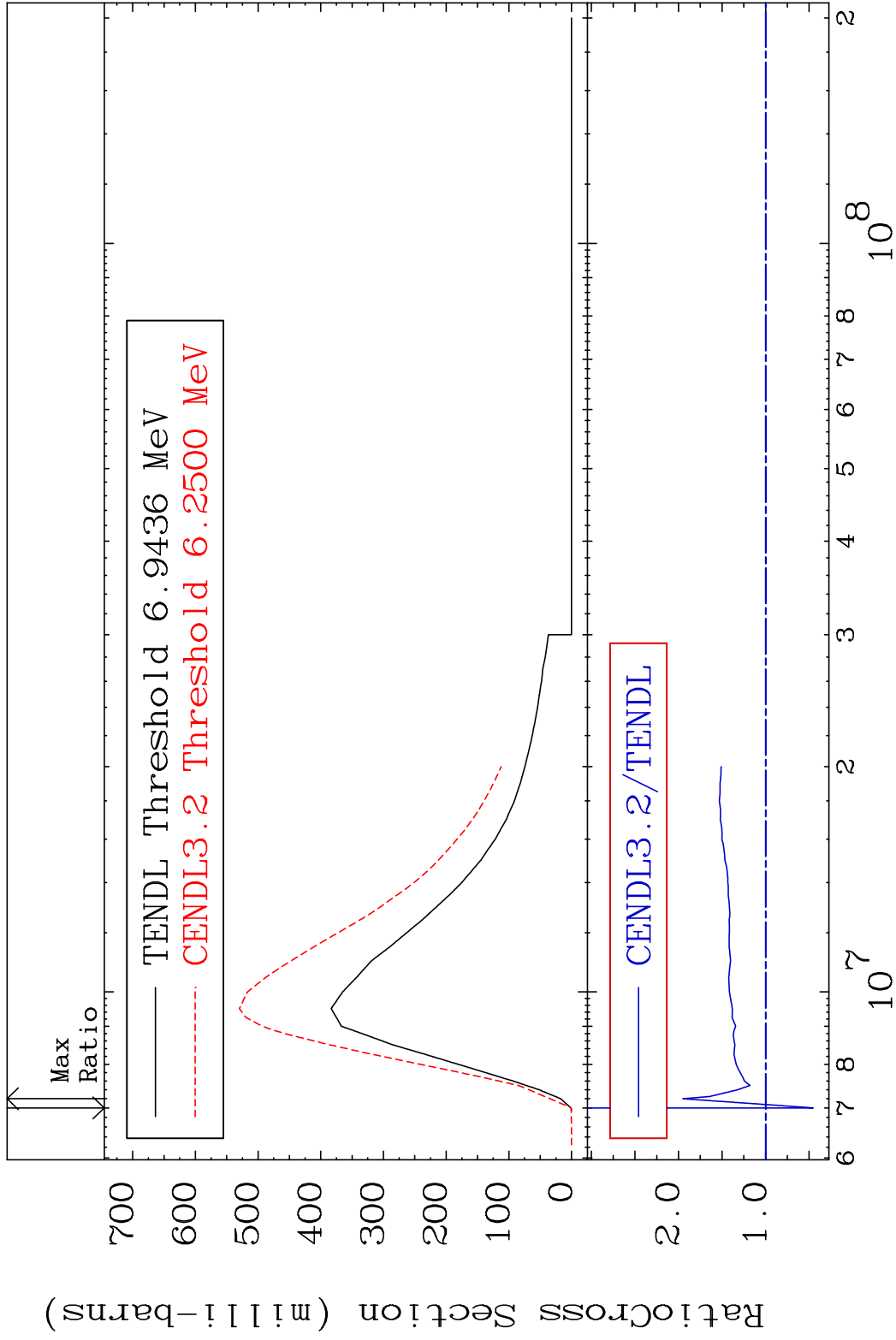
18 14-Si-29

MAT 1428 MT= 63 (n, n') Level 14-Si-29
 Cross Section -100.0 To 148.1 %

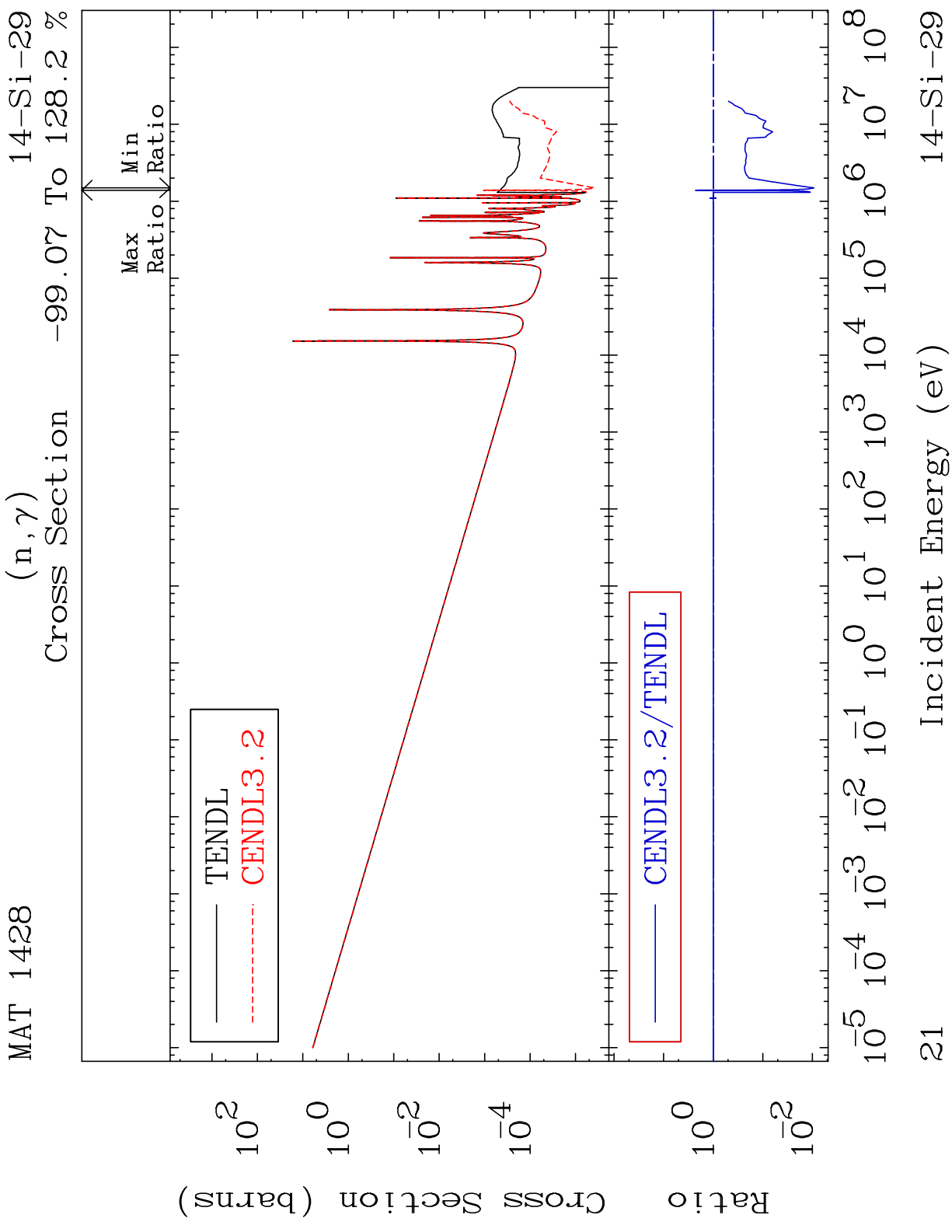


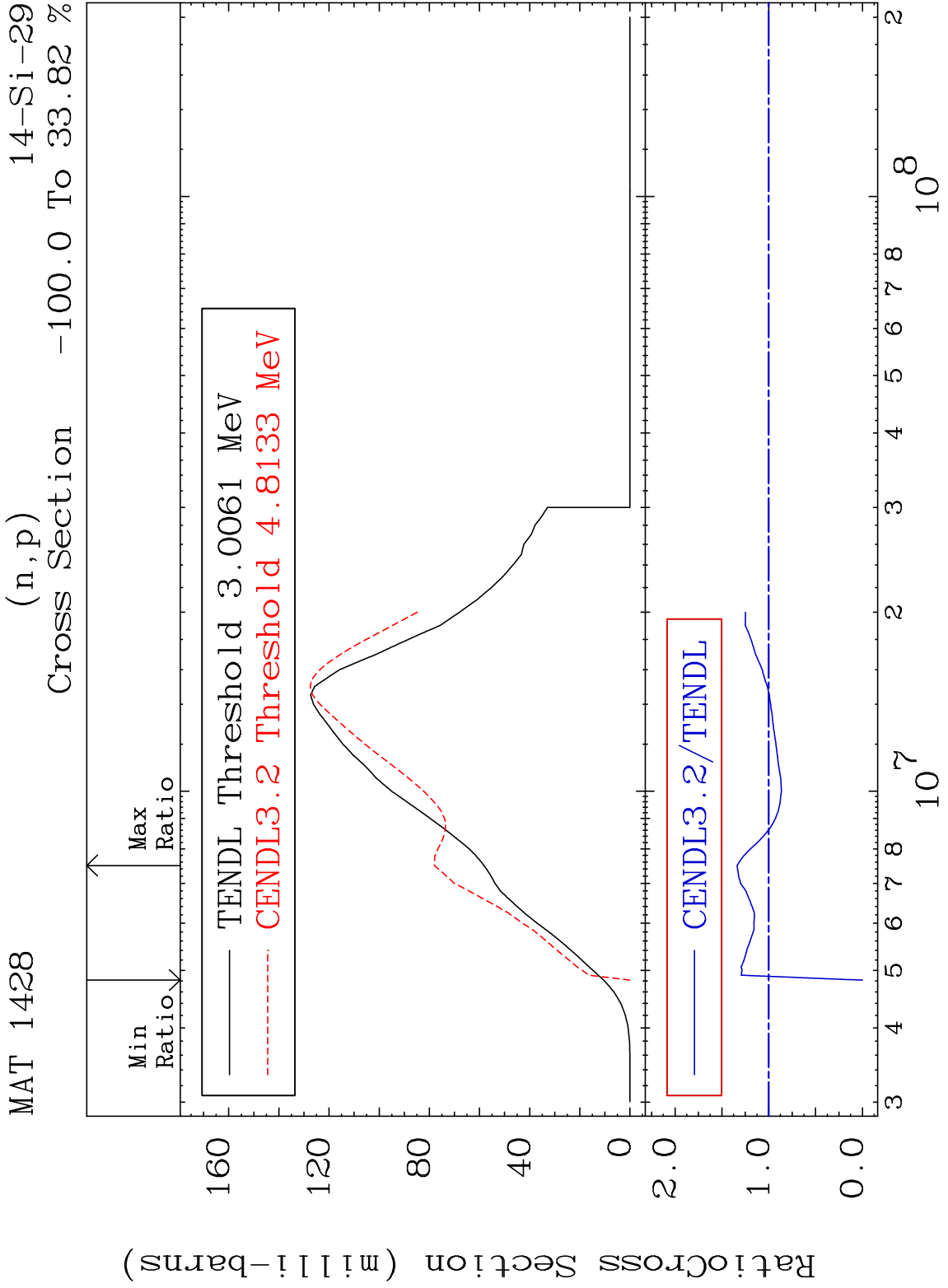
19 Incident Energy (eV) 14-Si-29

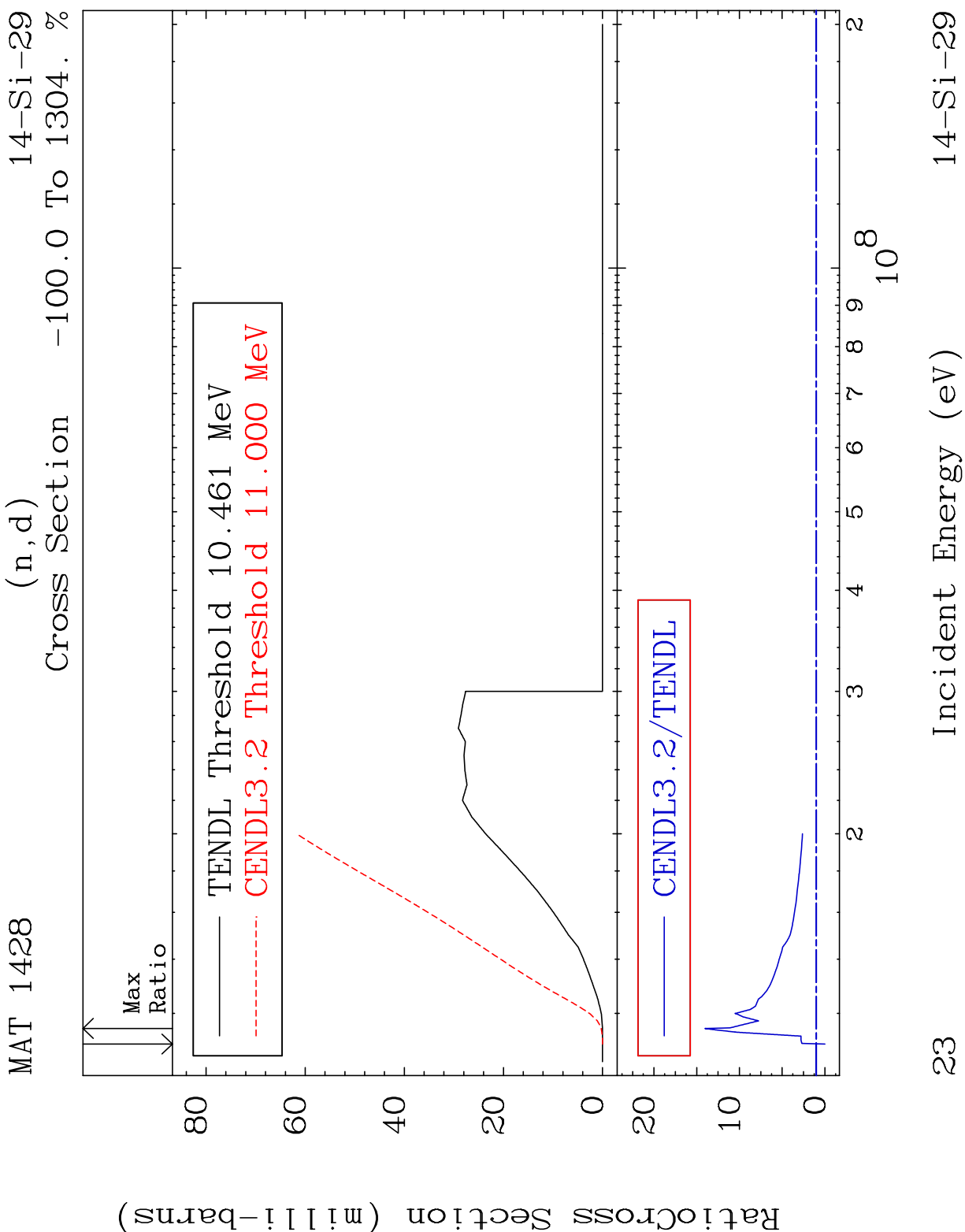
MAT 1428 (n, n') Continuum 14-Si-29
 Cross Section -54.55 To 95.07 %

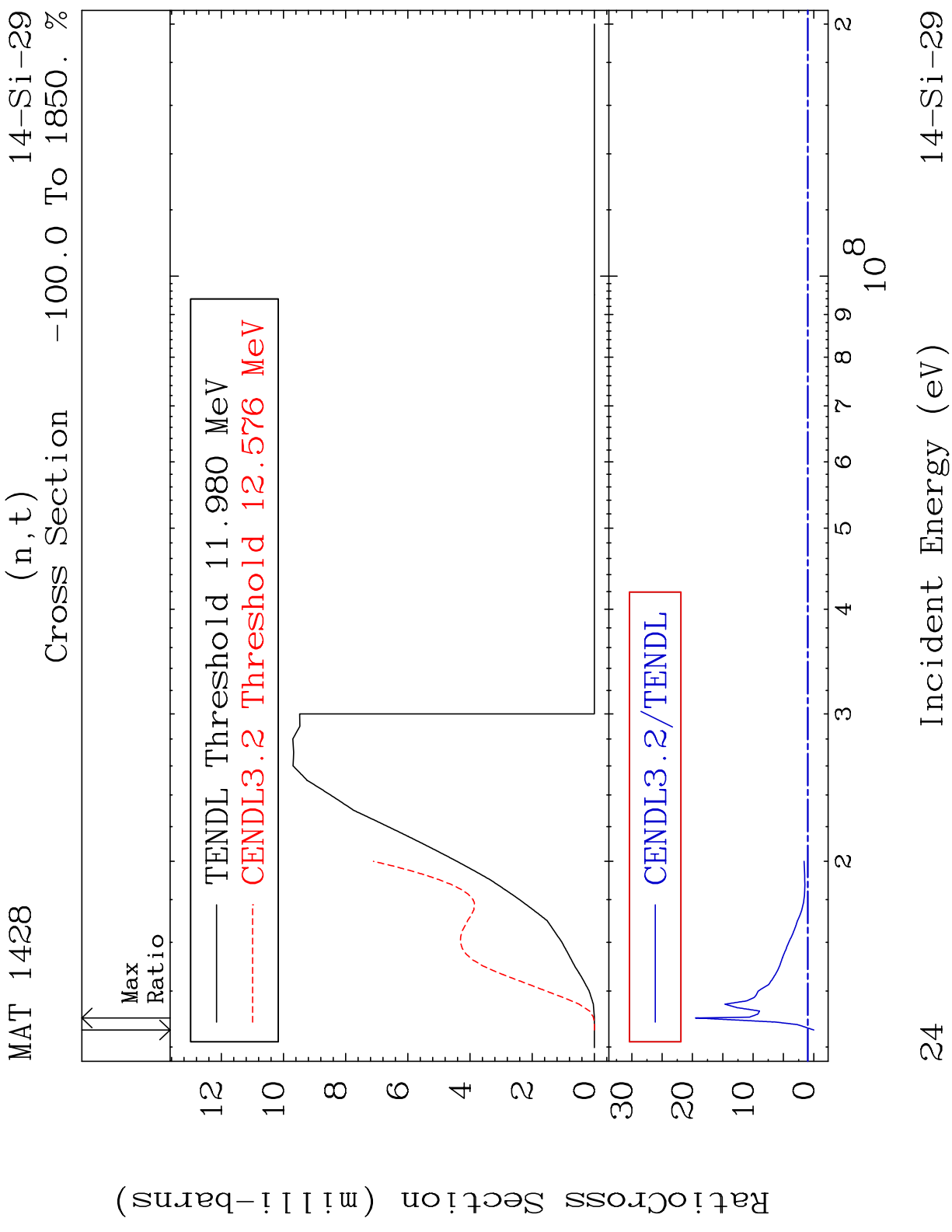


20 14-Si-29







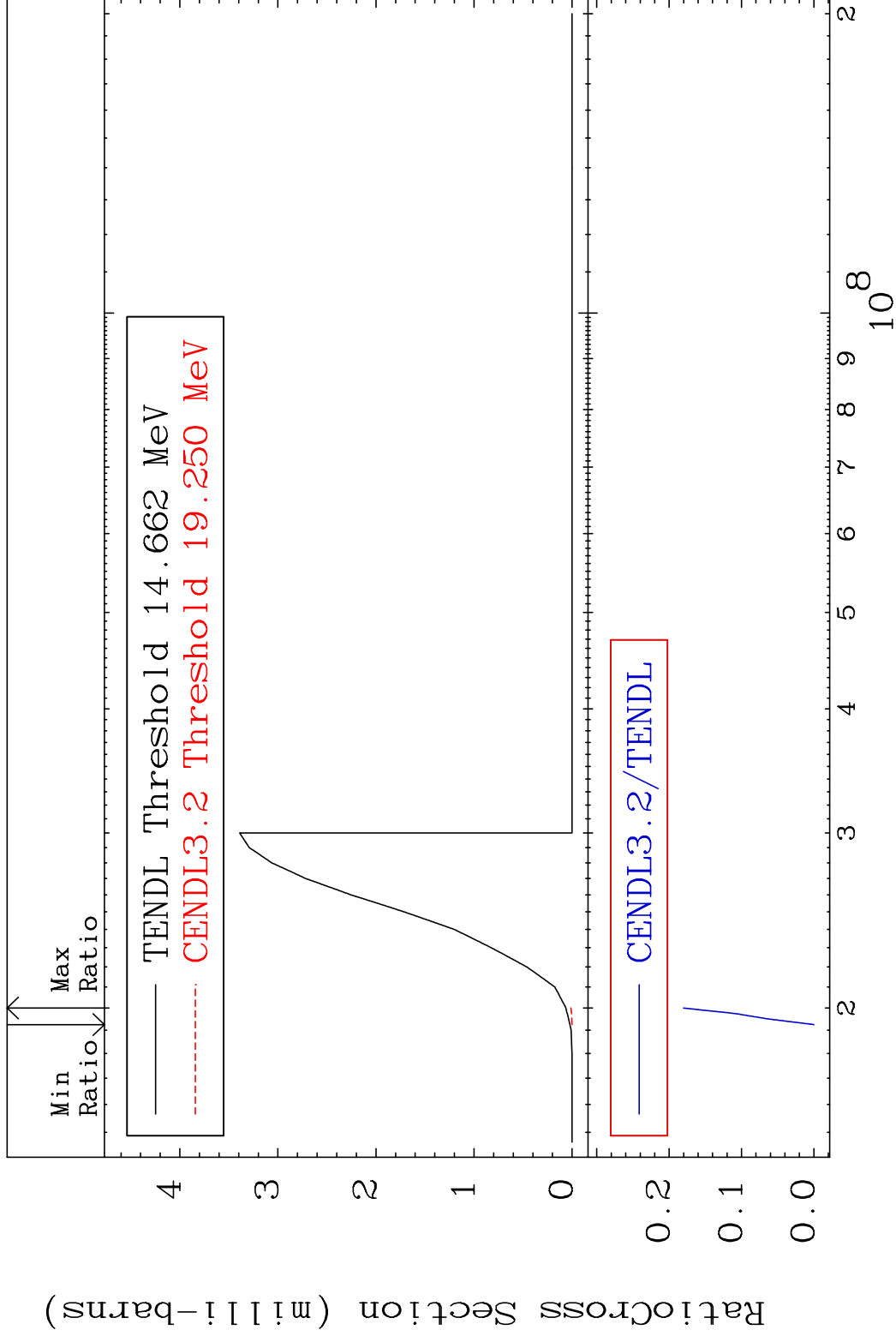


MAT 1428

(n, He-3)

14-Si-29

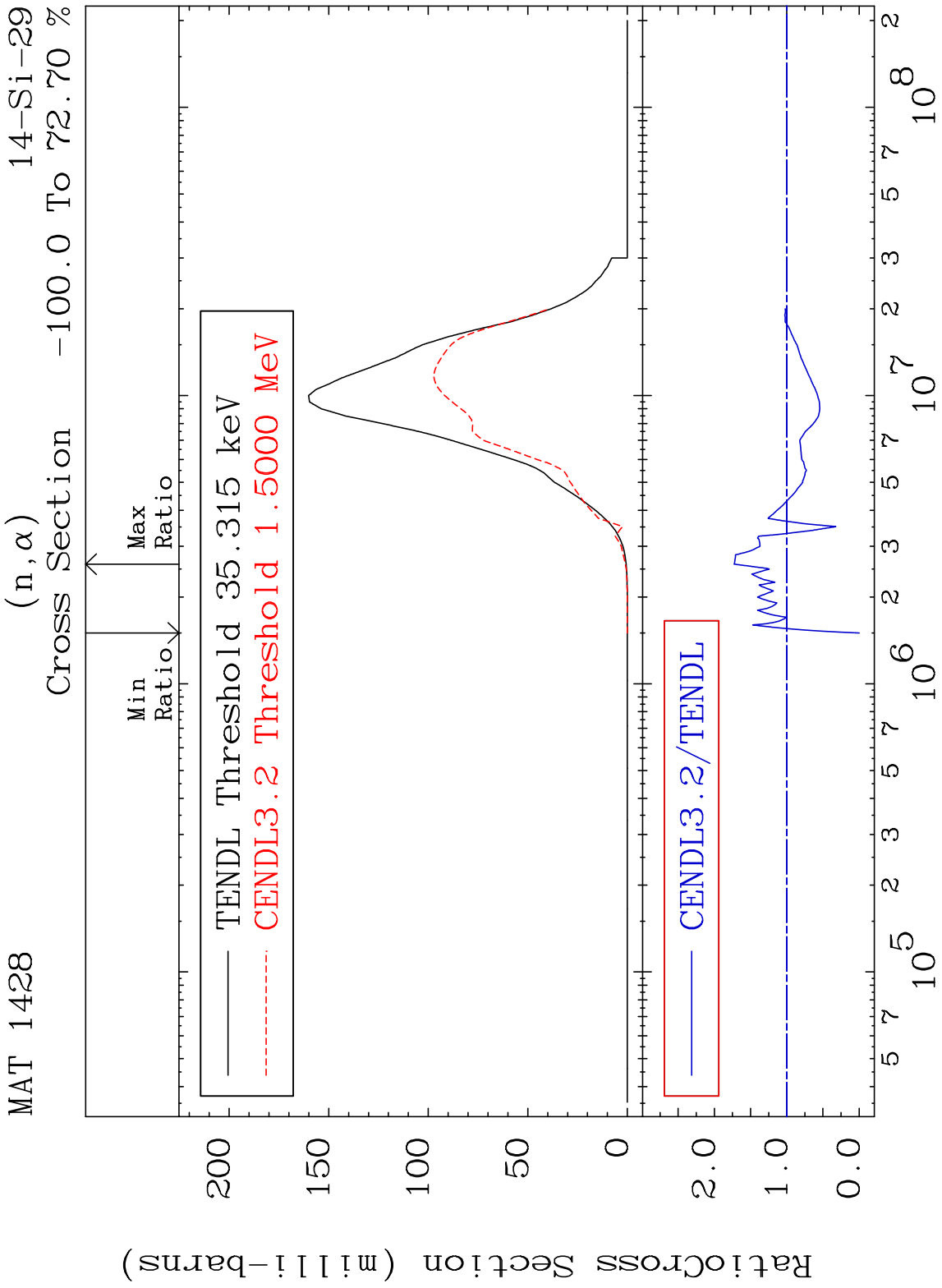
Cross Section -100.0 To -81.98%



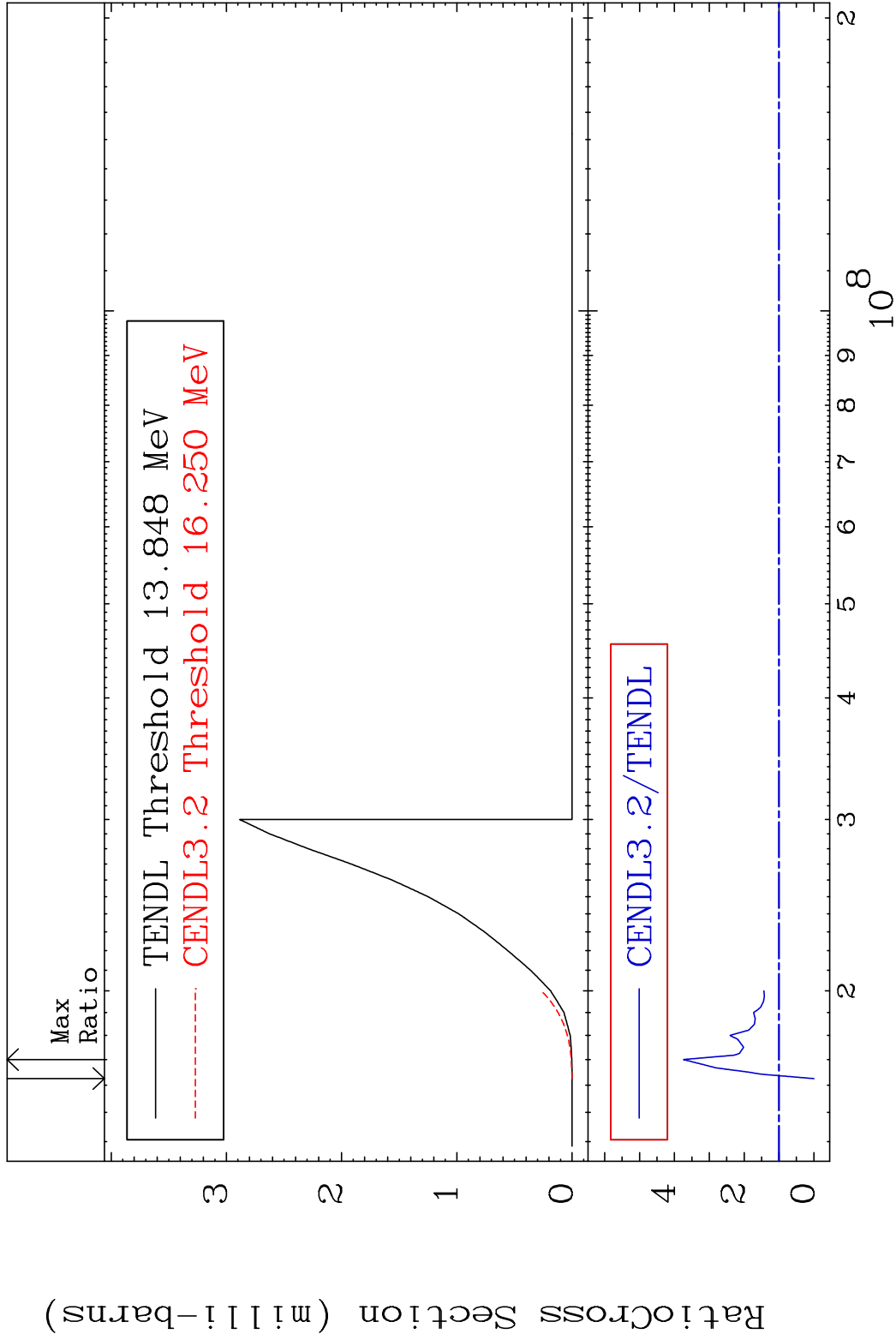
25

Incident Energy (eV)

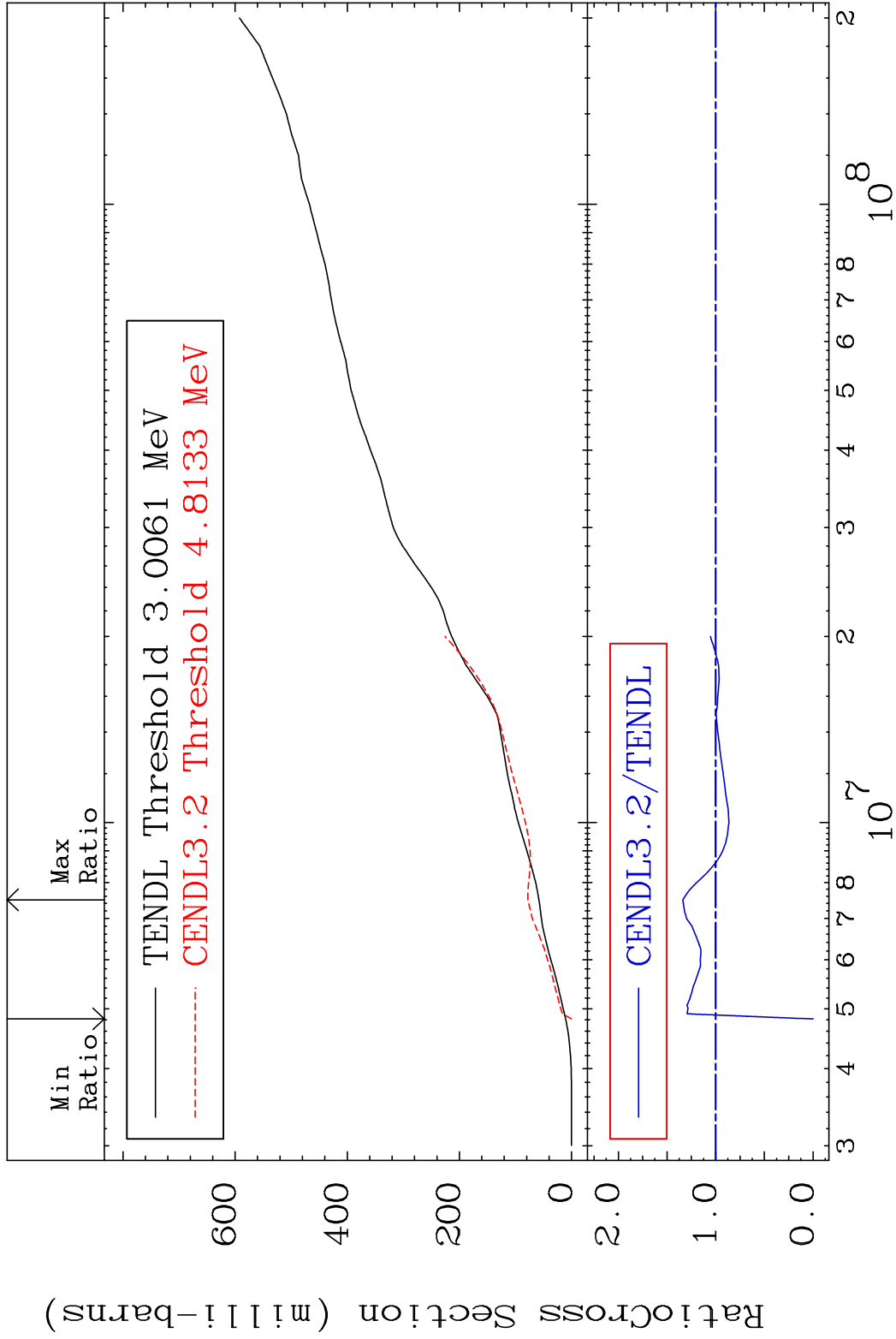
14-Si-29



MAT 1428 (n,2p) 14-Si-29
 Cross Section -100.0 To 274.1 %

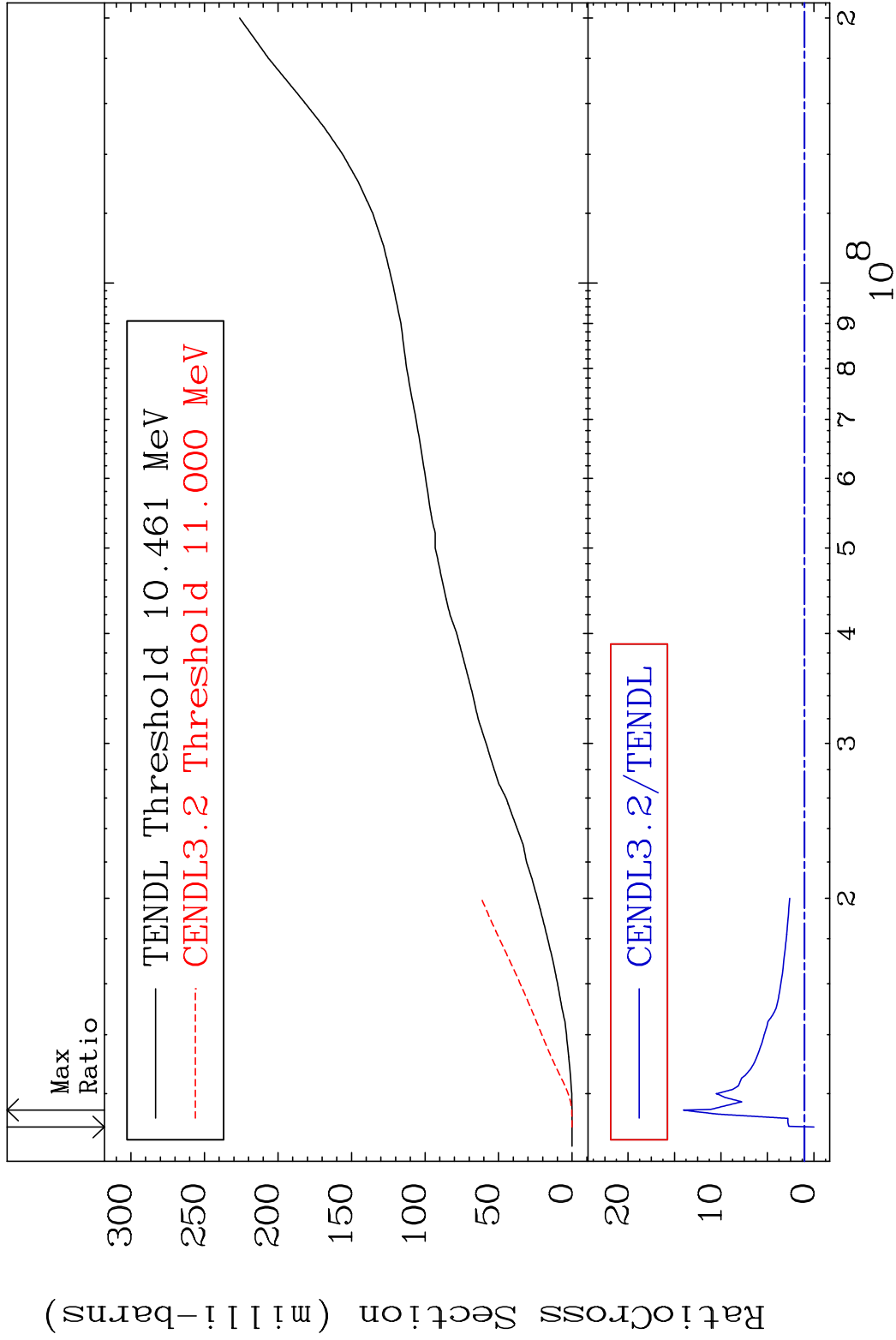


MAT 1428 Hydrogen Production 14-Si-29
 Cross Section -100.0 To 33.82 %



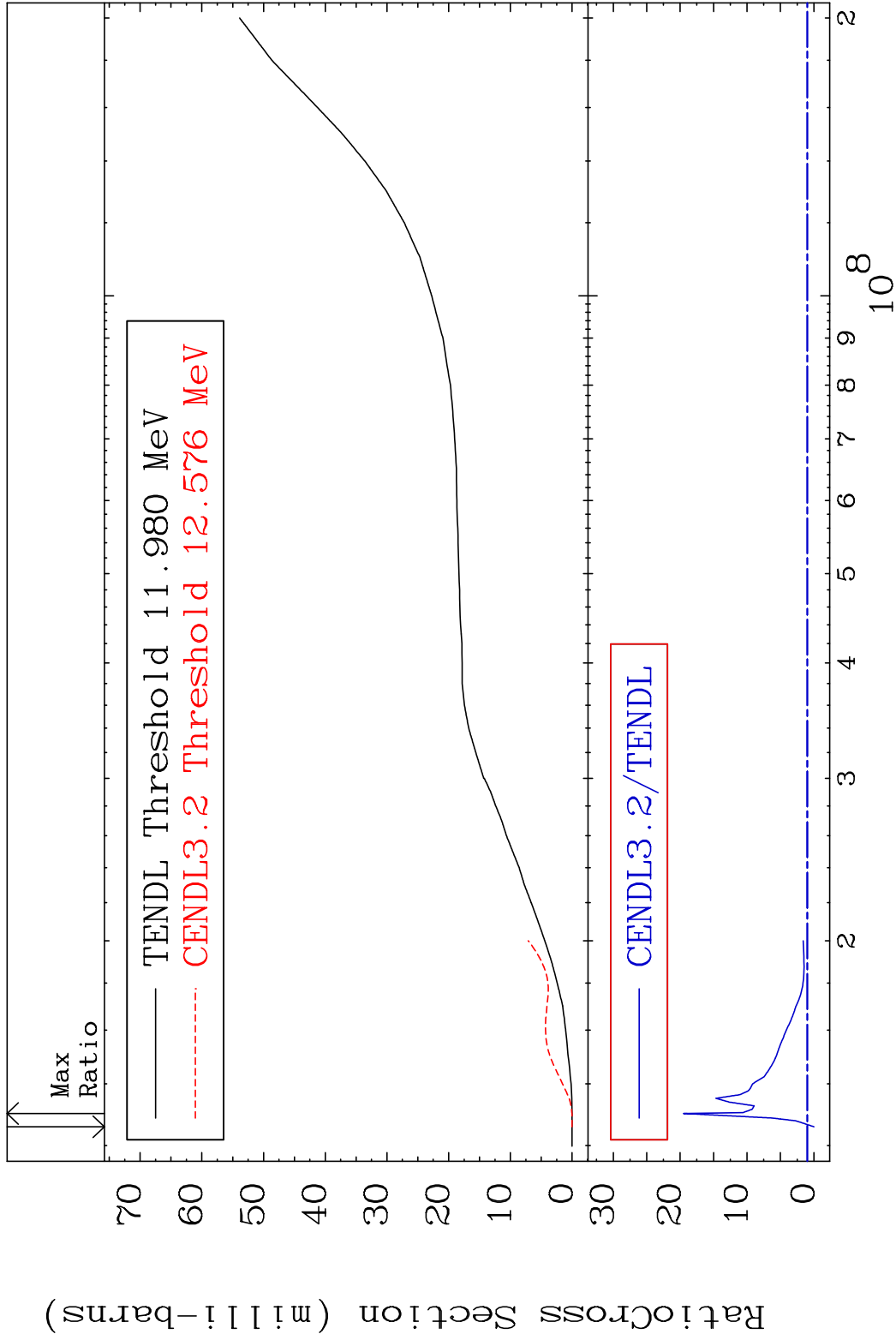
28 Incident Energy (eV) 14-Si-29

MAT 1428 Deuterium Production 14-Si-29
 Cross Section -100.0 To 1304. %



29 Incident Energy (eV) 14-Si-29

MAT 1428 Tritium Production 14-Si-29
 Cross Section -100.0 To 1850. %



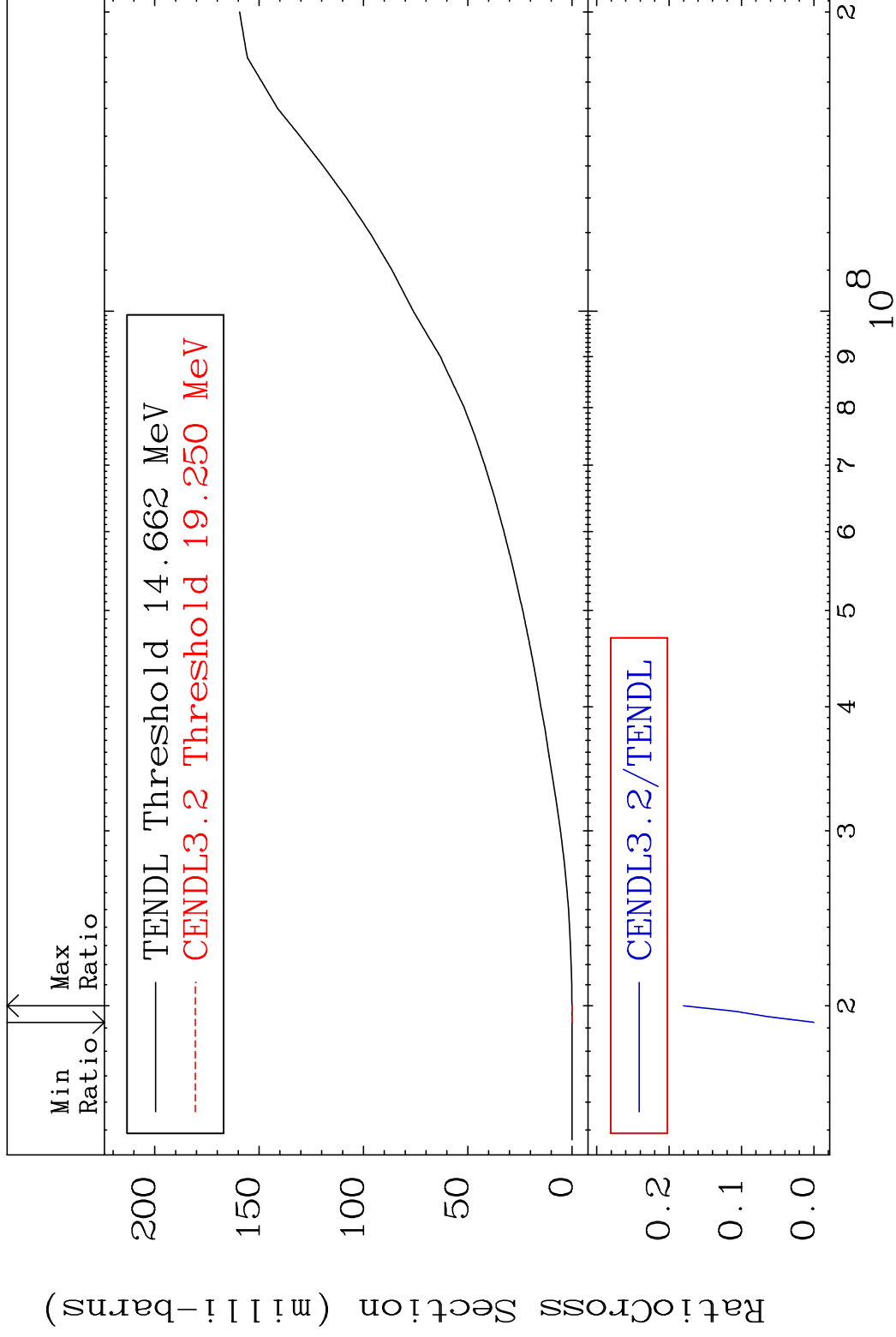
30 14-Si-29

MAT 1428

He-3 Production

14-Si-29

Cross Section -100.0 To -81.98%



31

Incident Energy (eV)

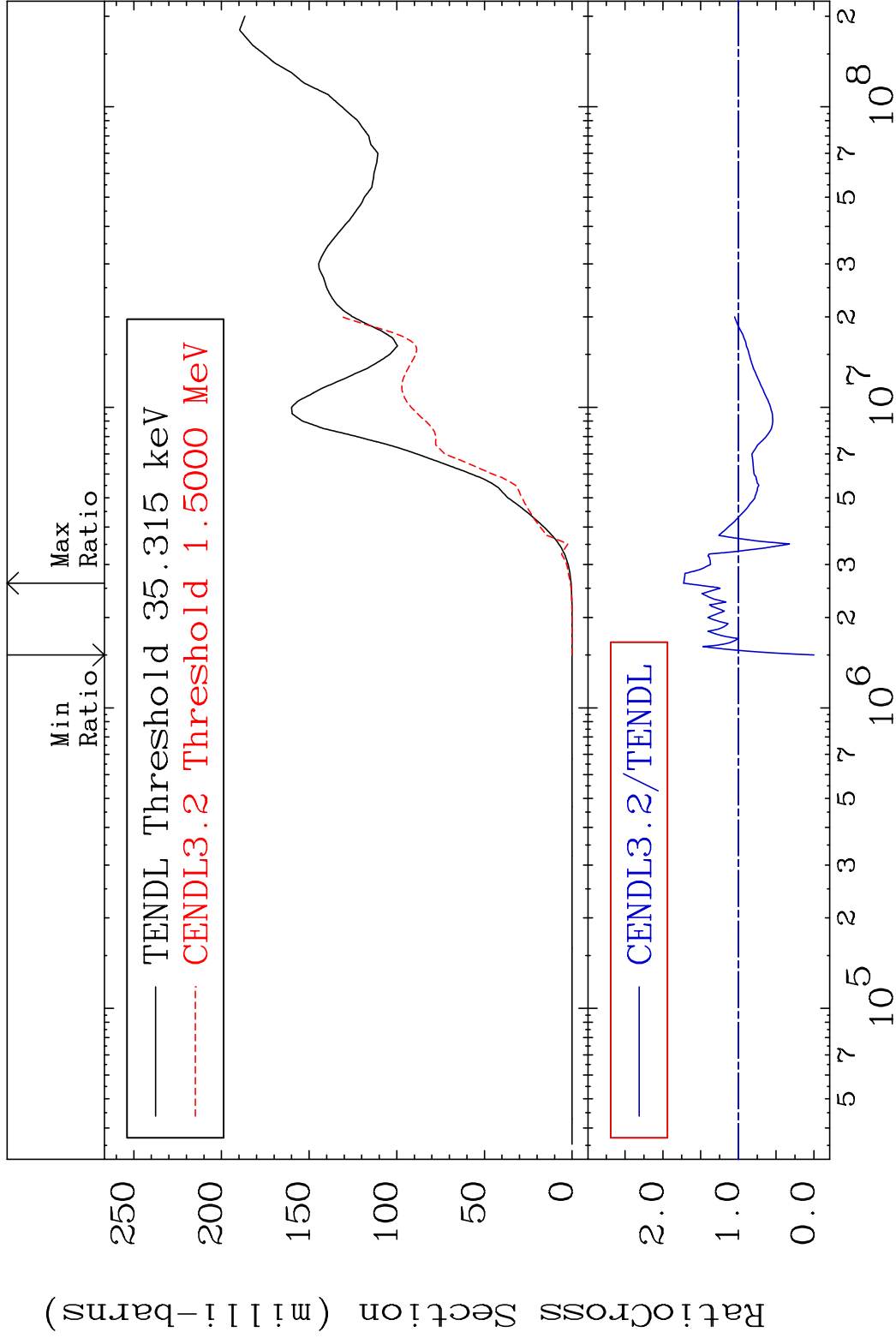
14-Si-29

MAT 1428

He-4 Production

14-Si-29

Cross Section -100.0 To 72.70 %



Ratio Cross Section (milli-barns)

Min Ratio

Max Ratio

TENDL Threshold 35.315 keV

CENDL3.2 Threshold 1.5000 MeV

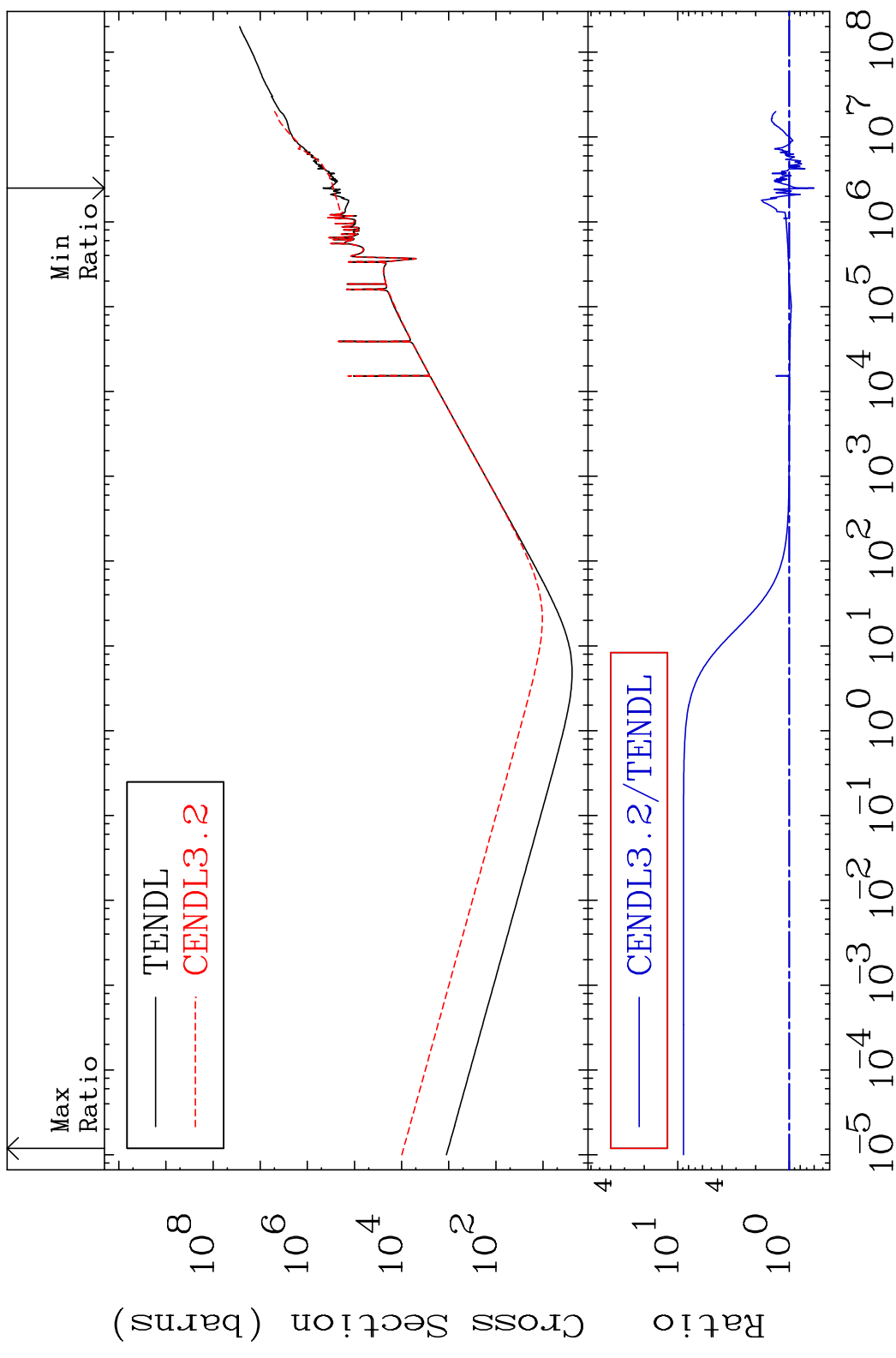
CENDL3.2/TENDL

32

Incident Energy (eV)

14-Si-29

MAT 1428 Kerma total (eV-barns) 14-Si-29
 Cross Section -39.76 To 788.9 %

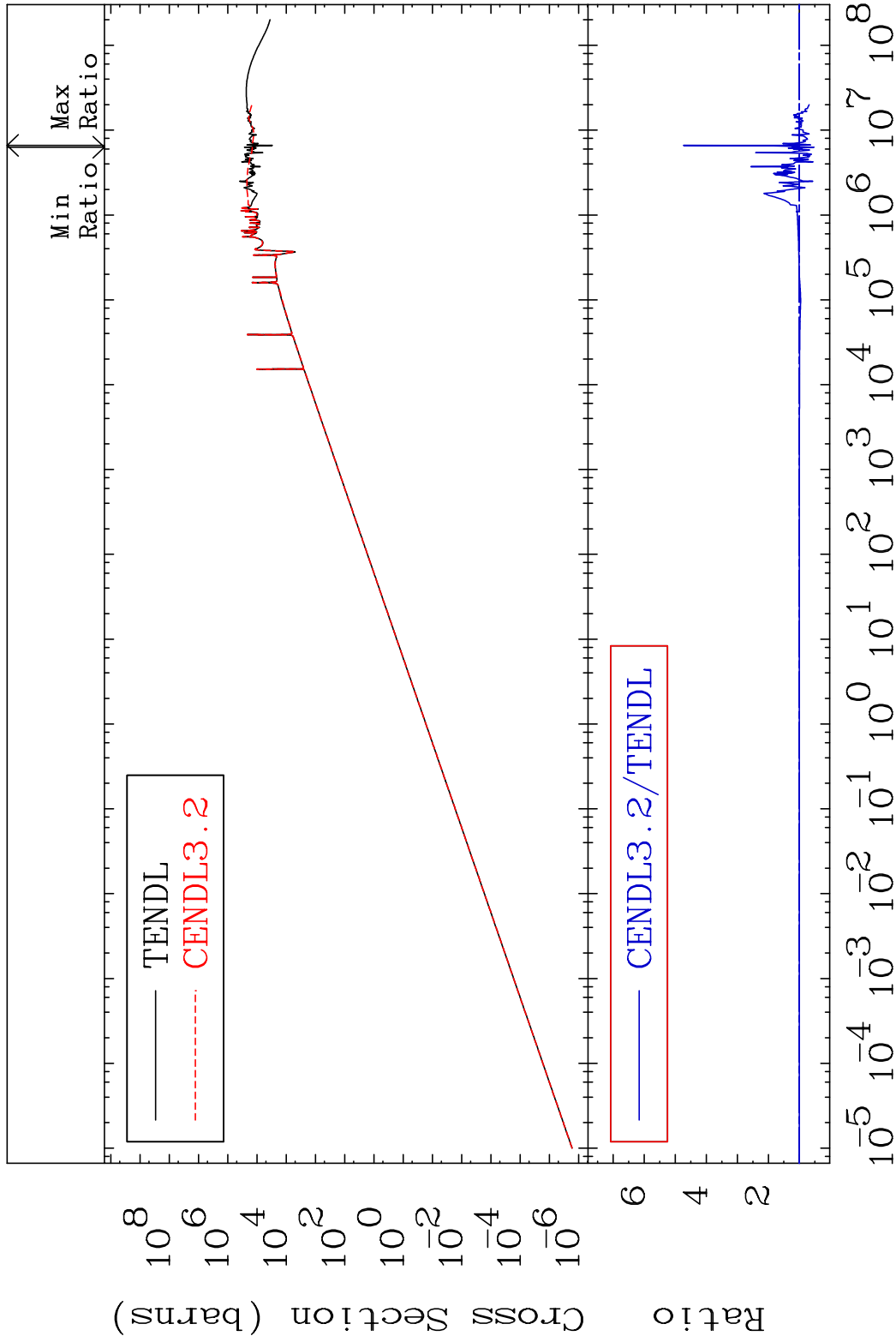


33 Incident Energy (eV) 14-Si-29

MAT 1428

Kerma elastic
Cross Section

14-Si-29
-46.66 To 373.6 %

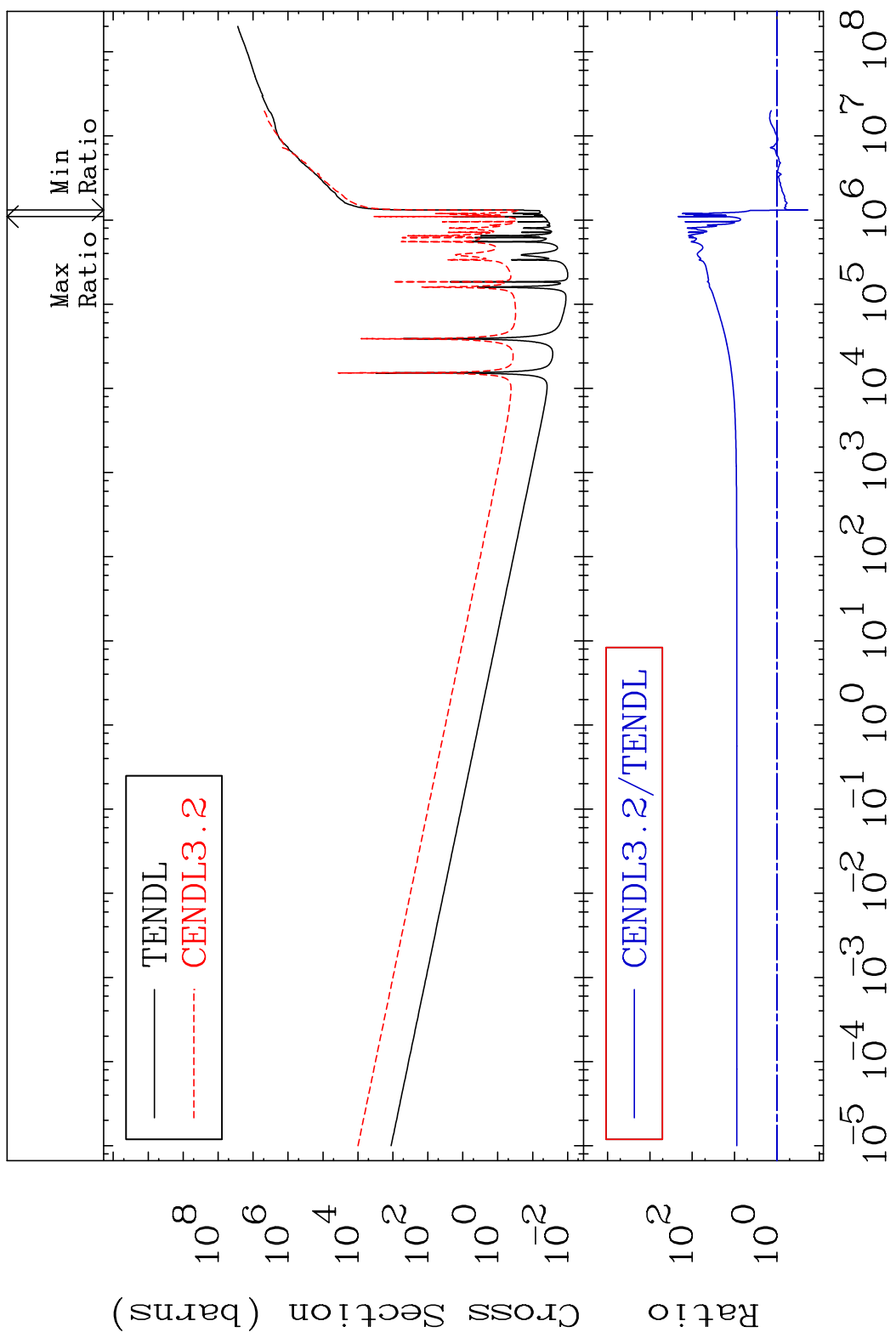


34

Incident Energy (eV)

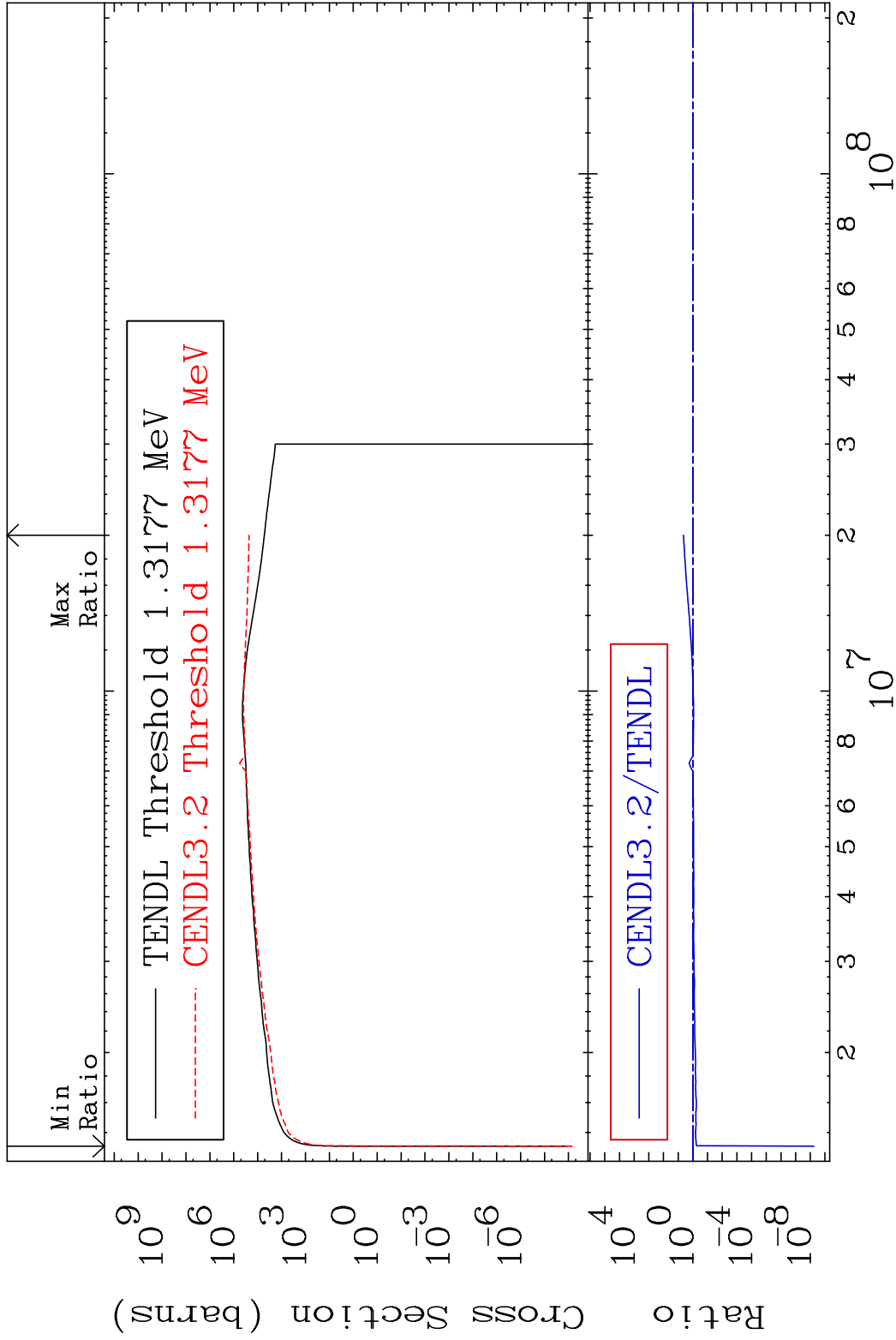
14-Si-29

MAT 1428 Kerma non-elastic (all but mt2) 14-Si-29
 Cross Section -81.26 To 9999. %



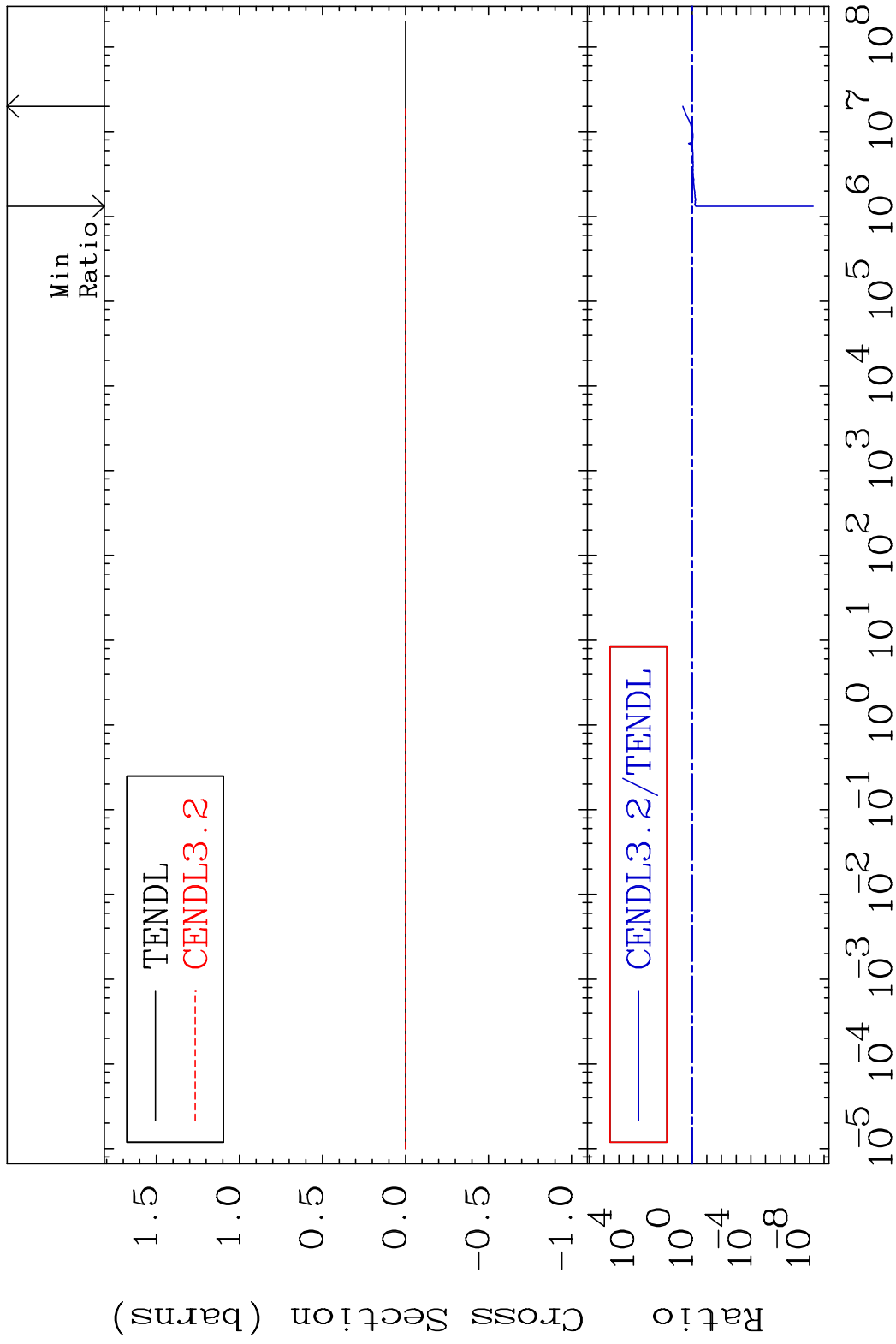
35 Incident Energy (eV) 14-Si-29

MAT 1428 Kerma inelastic (mt51-91) 14-Si-29
 Cross Section -100.0 To 336.8 %

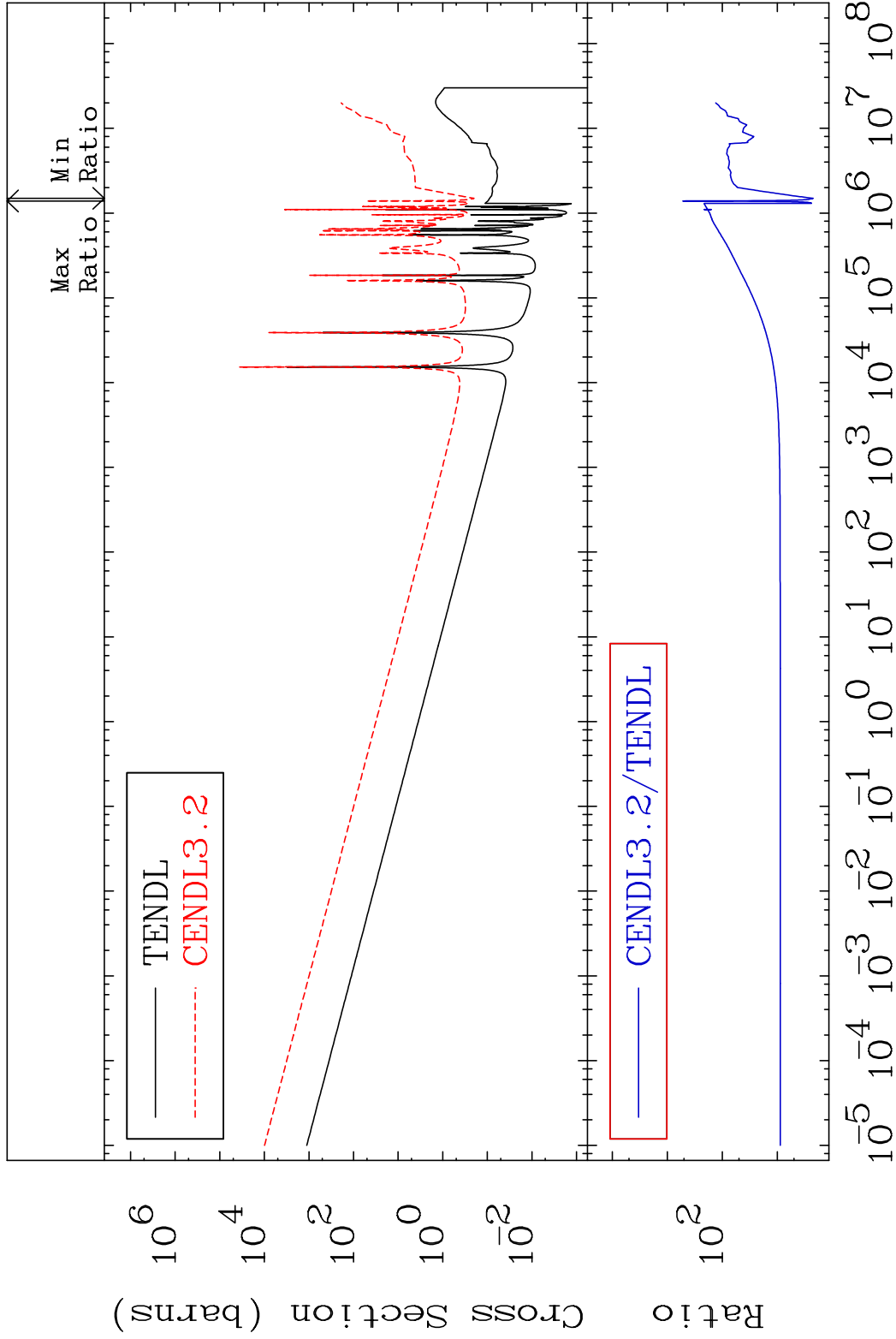


36 Incident Energy (eV) 14-Si-29

MAT 1428 Kerma fission (mt18 or mt19-20-21-38) 14-Si-29
 Cross Section -100.0 To 336.8 %

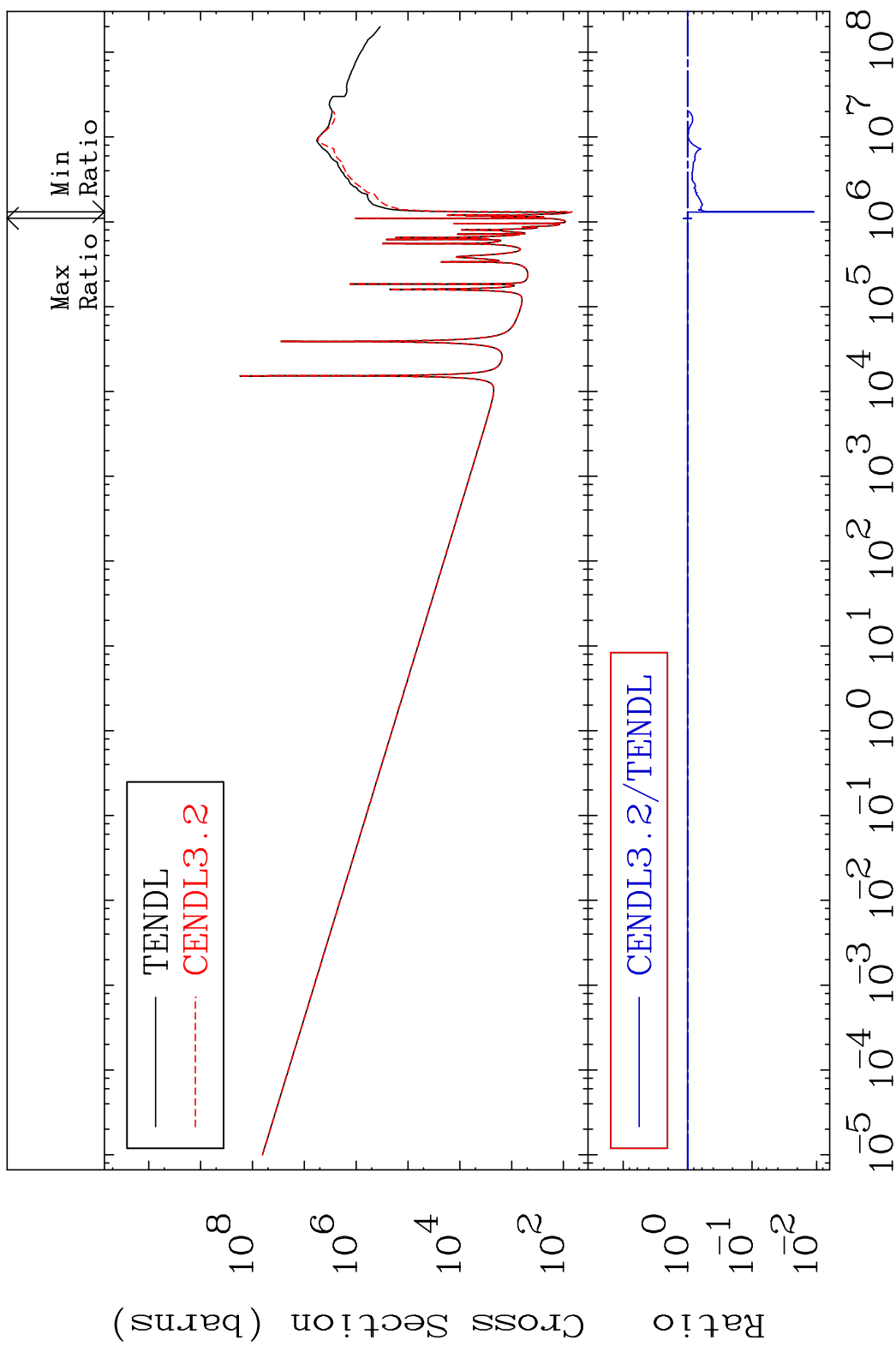


MAT 1428 Kerma capture (mt102) 14-Si-29
 Cross Section 124.2 To 9999. %



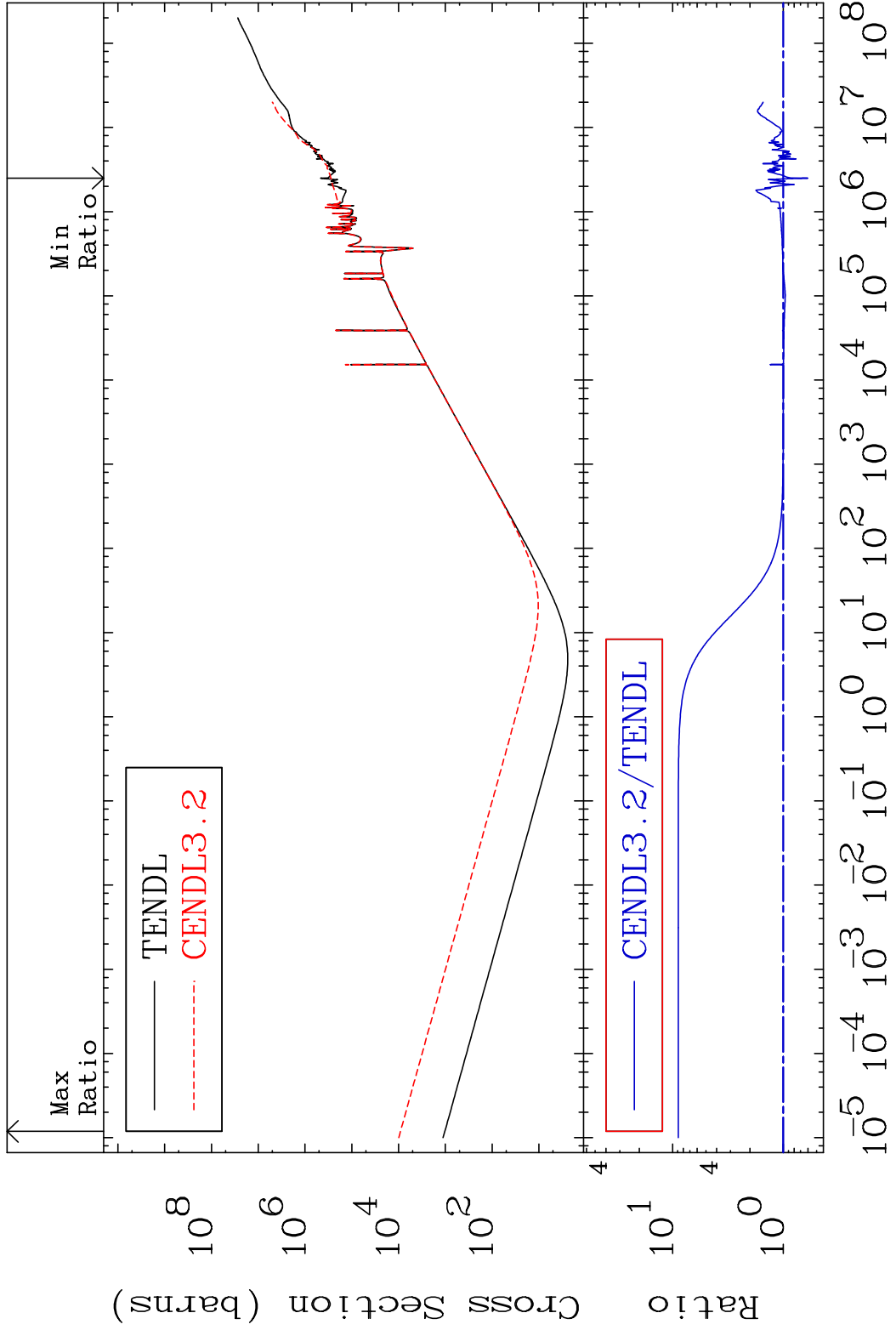
38 Incident Energy (eV) 14-Si-29

MAT 1428 Total photon (eV-barns) 14-Si-29
 Cross Section -98.90 To 15.98 %



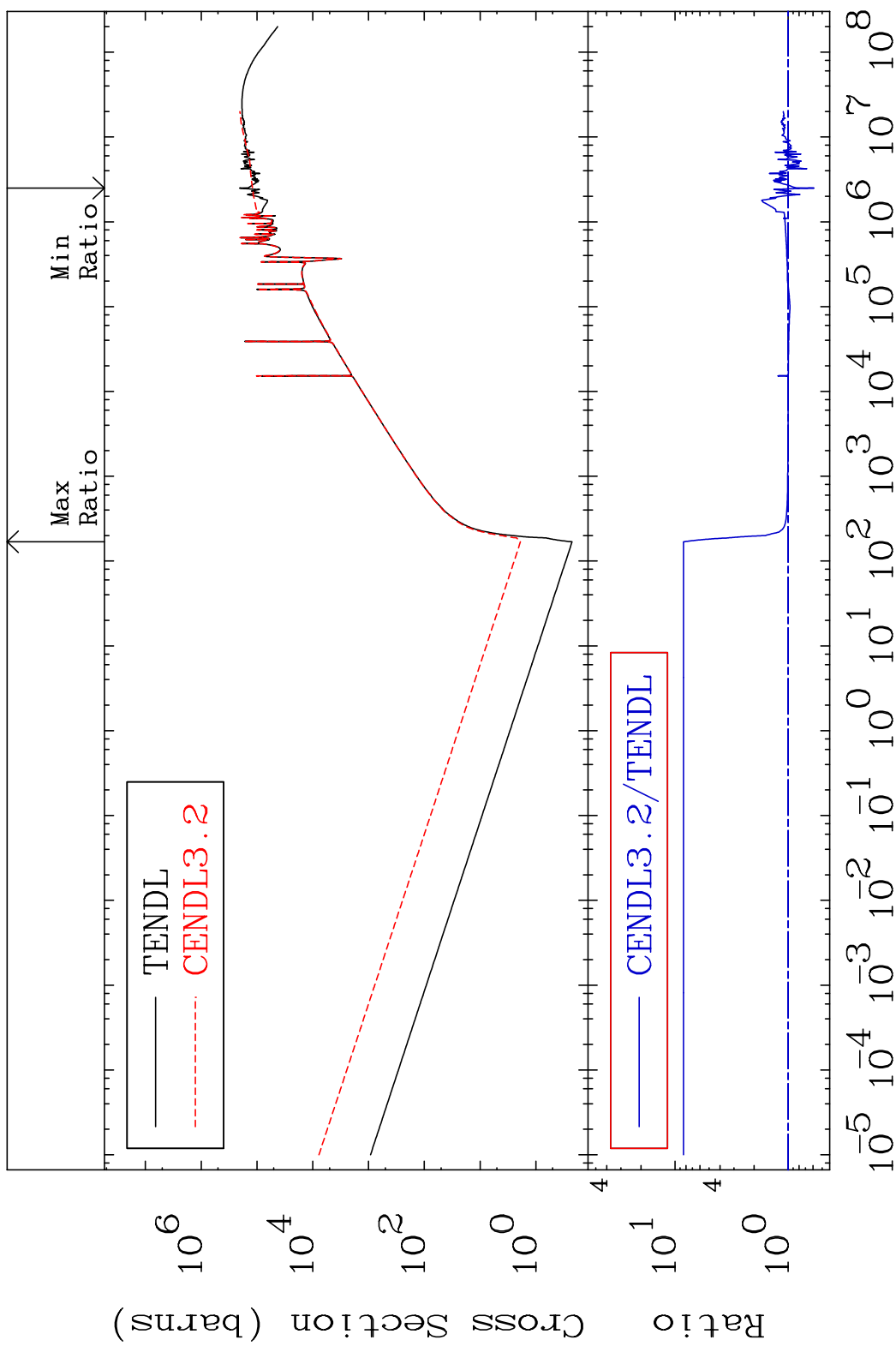
39 Incident Energy (eV) 14-Si-29

MAT 1428 Total kinematic kerma (high limit) 14-Si-29
 Cross Section -39.73 To 788.9 %



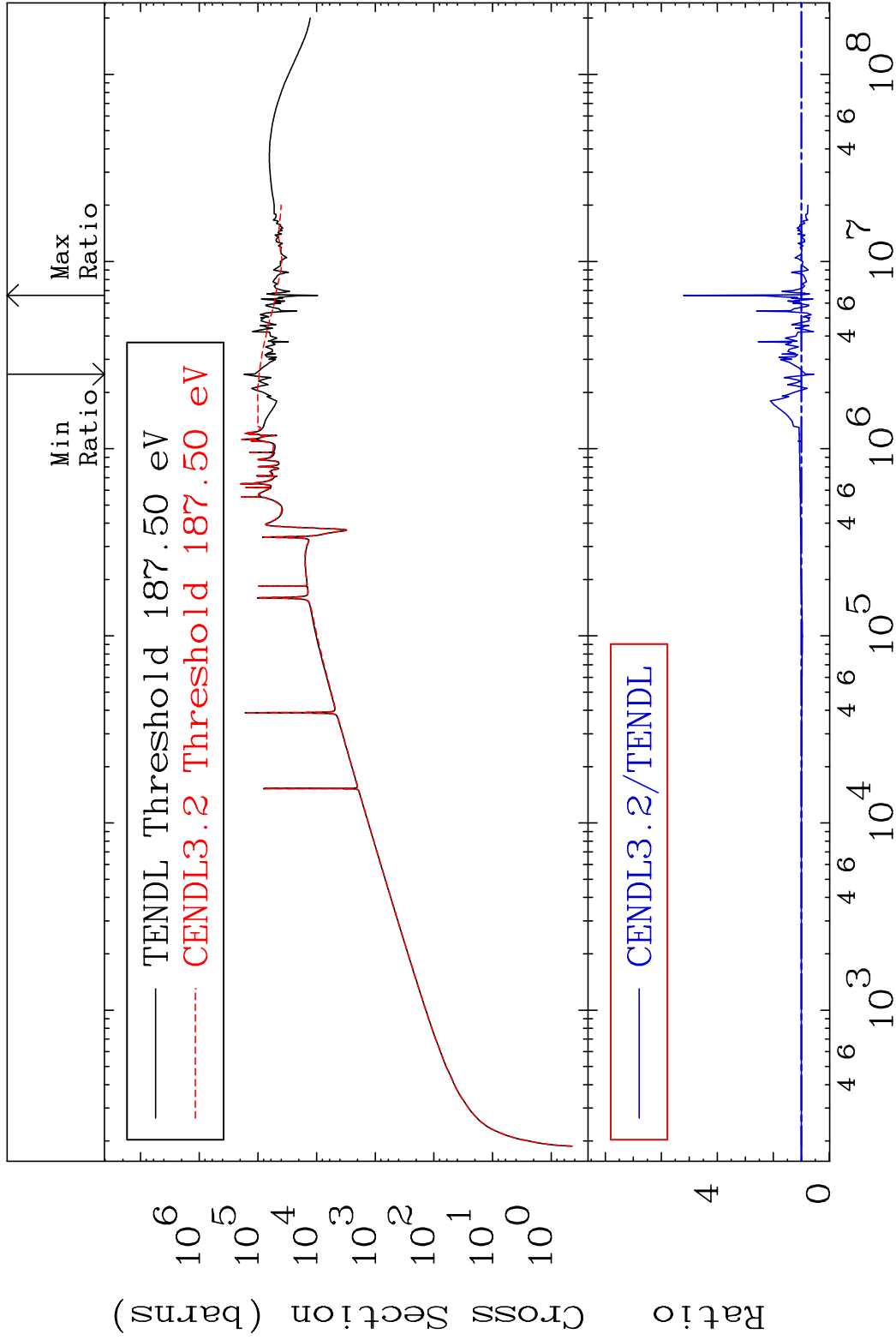
40 Incident Energy (eV) 14-Si-29

MAT 1428 Dpa total (eV-barns) 14-Si-29
 Cross Section -40.91 To 740.7 %



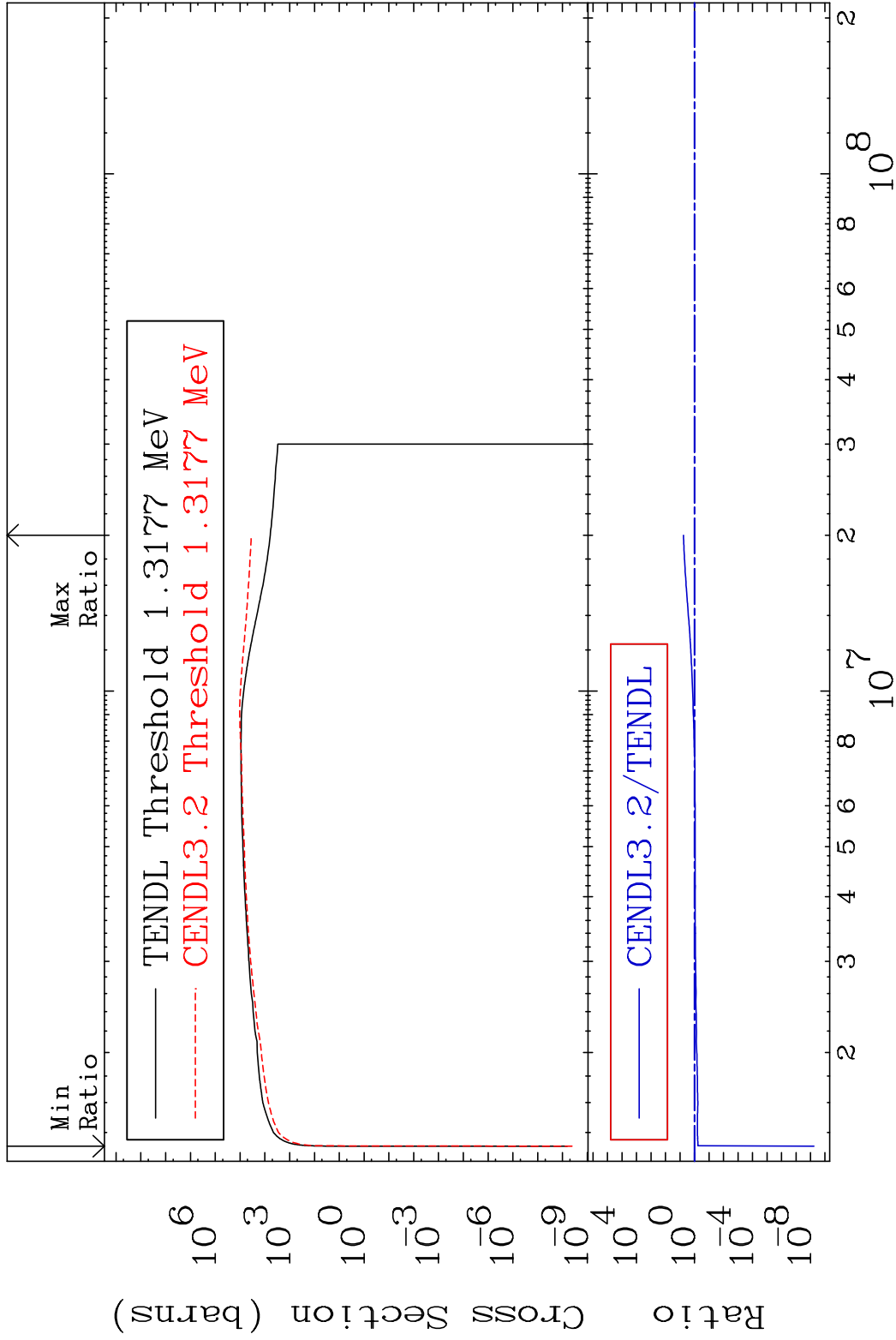
41 Incident Energy (eV) 14-Si-29

MAT 1428 Dpa elastic (mt2) 14-Si-29
 Cross Section -44.83 To 420.9 %



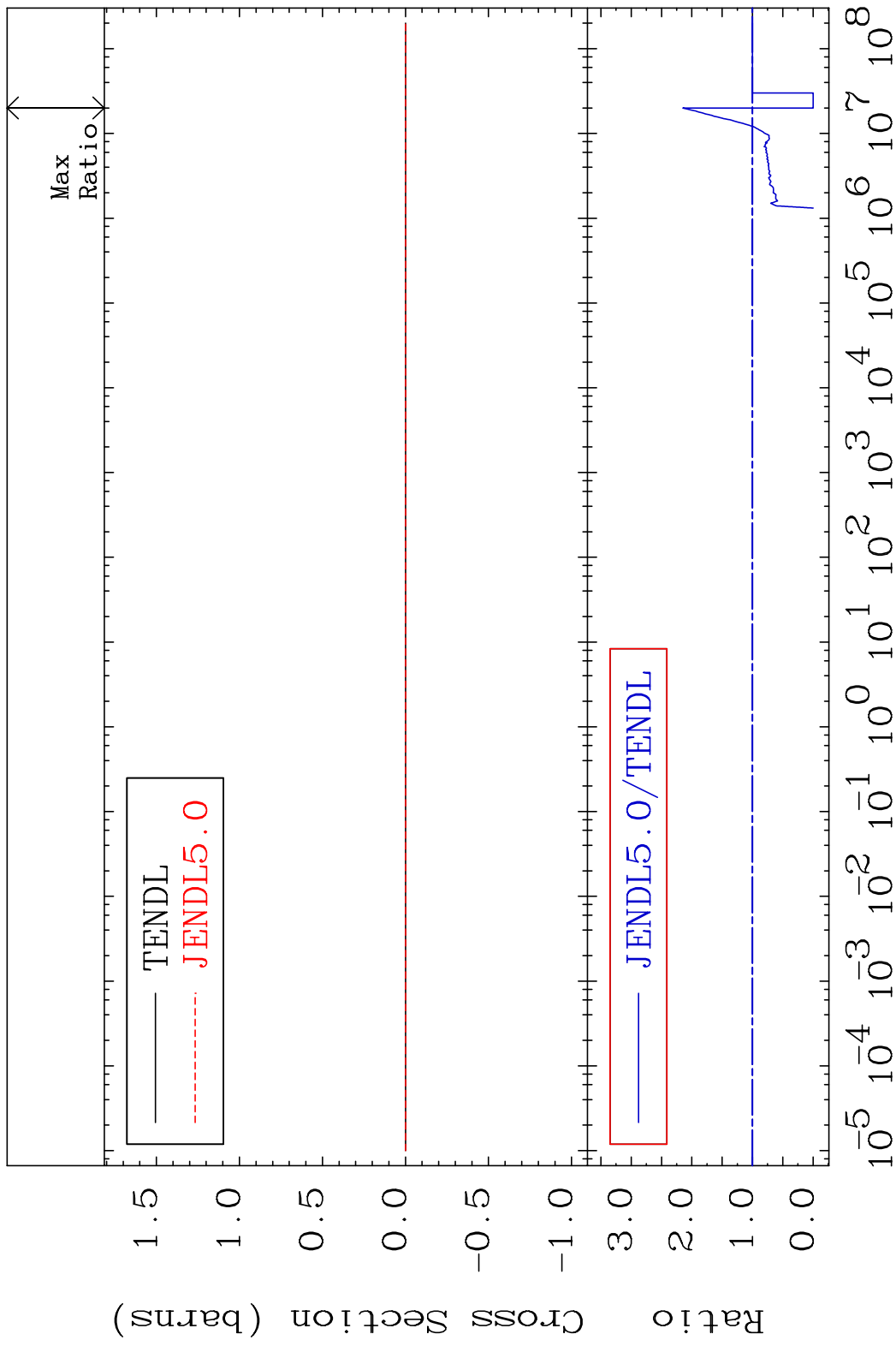
42 Incident Energy (eV) 14-Si-29

MAT 1428 Dpa inelastic (mt51-91) 14-Si-29
 Cross Section -100.0 To 477.6 %

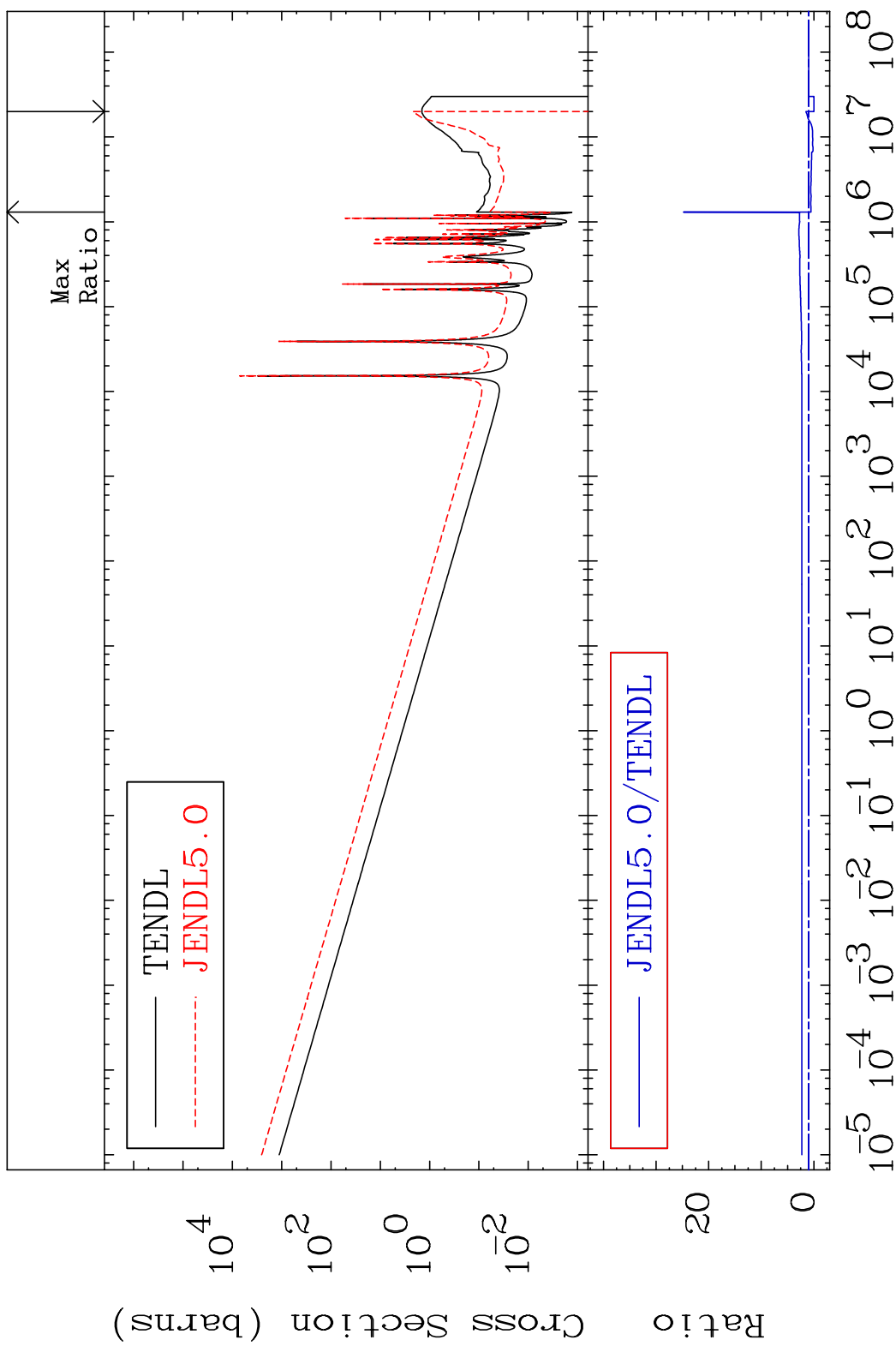


43 Incident Energy (eV) 14-Si-29

MAT 1428 Kerma fission (mt18 or mt19-20-21-38) 14-Si-29
Cross Section -100.0 To 114.9 %

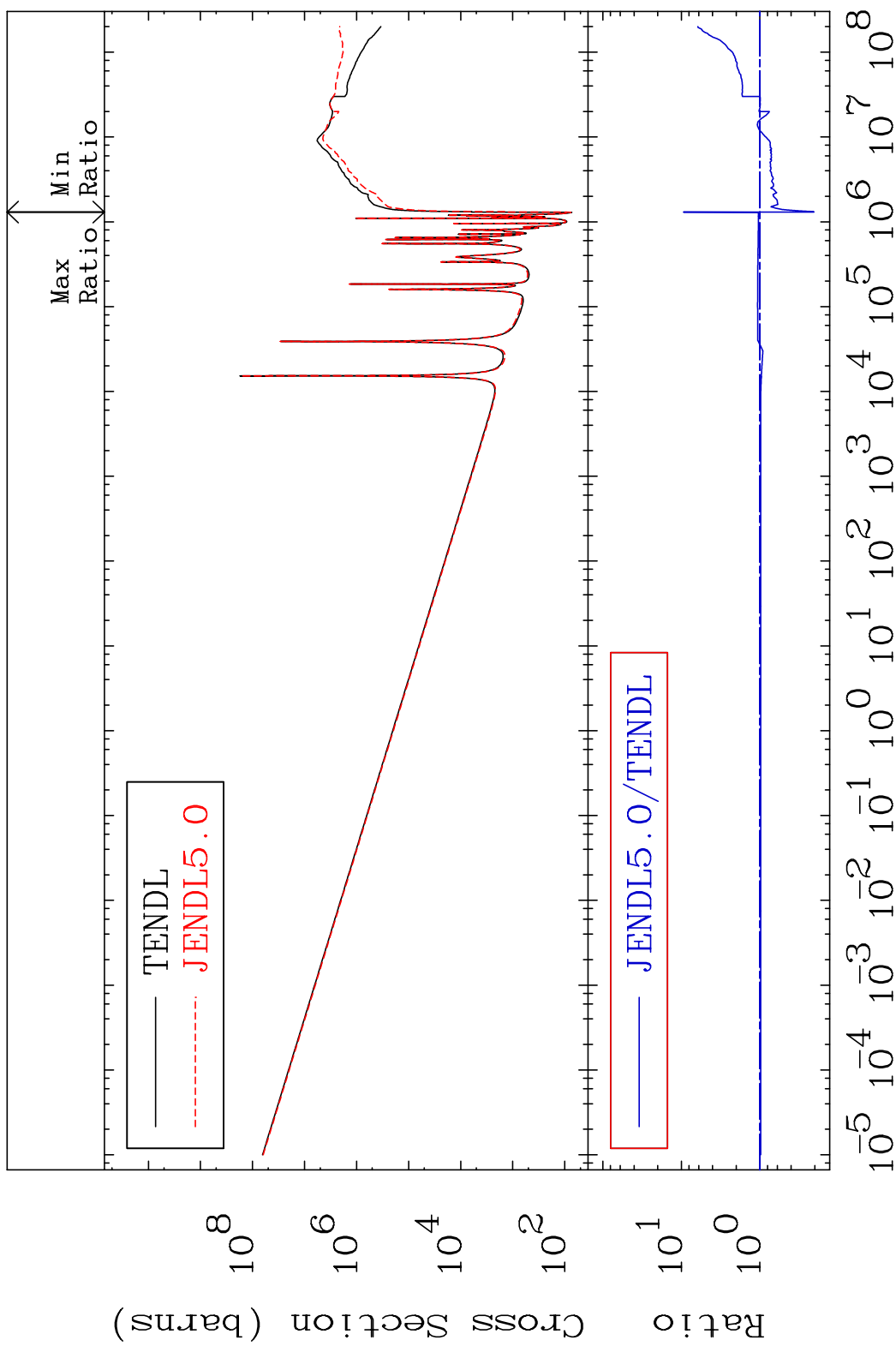


MAT 1428 Kerma capture (mt102) 14-Si-29
 Cross Section -100.0 To 2379. %



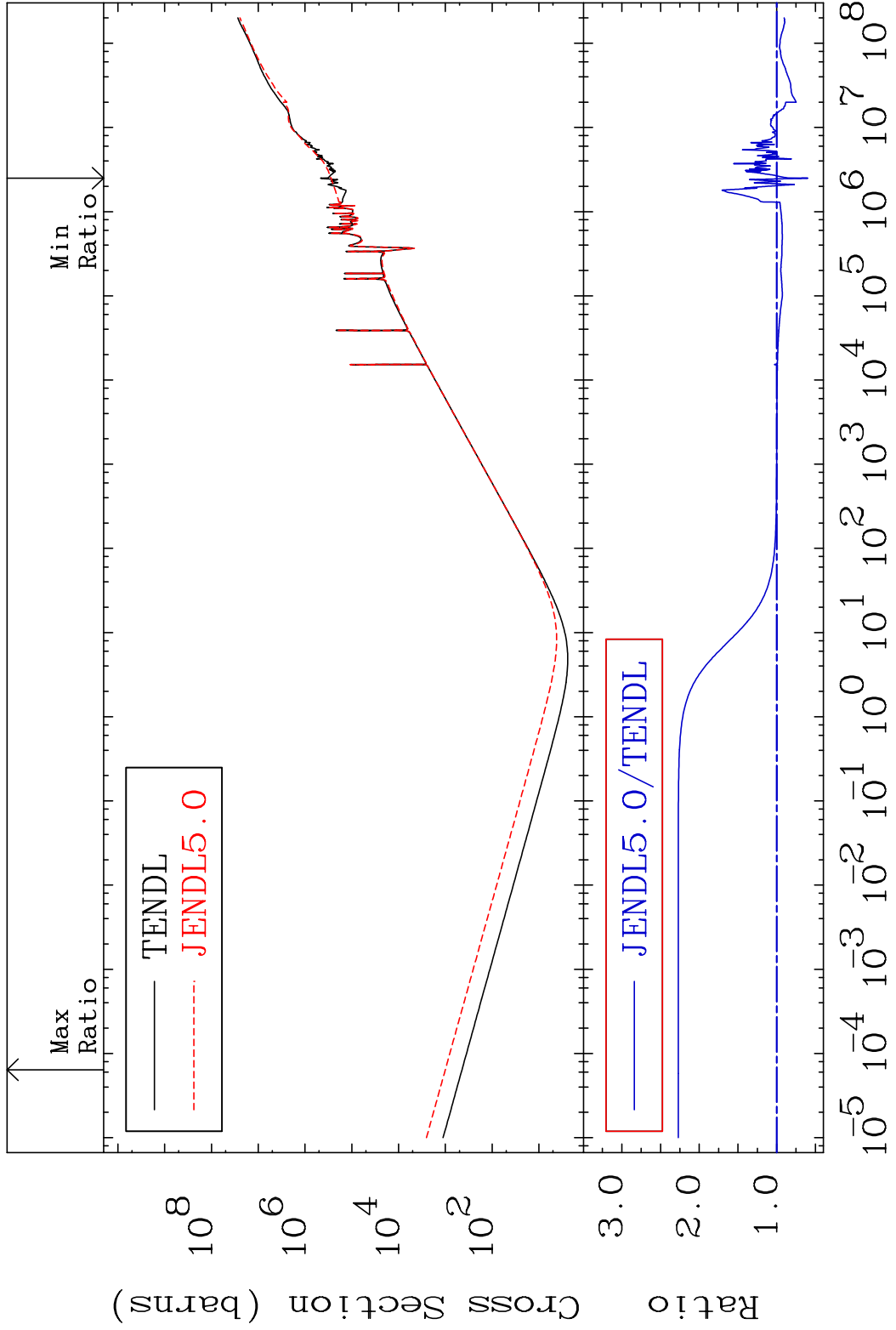
46 Incident Energy (eV) 14-Si-29

MAT 1428 Total photon (eV-barns) 14-Si-29
 Cross Section -79.49 To 839.6 %



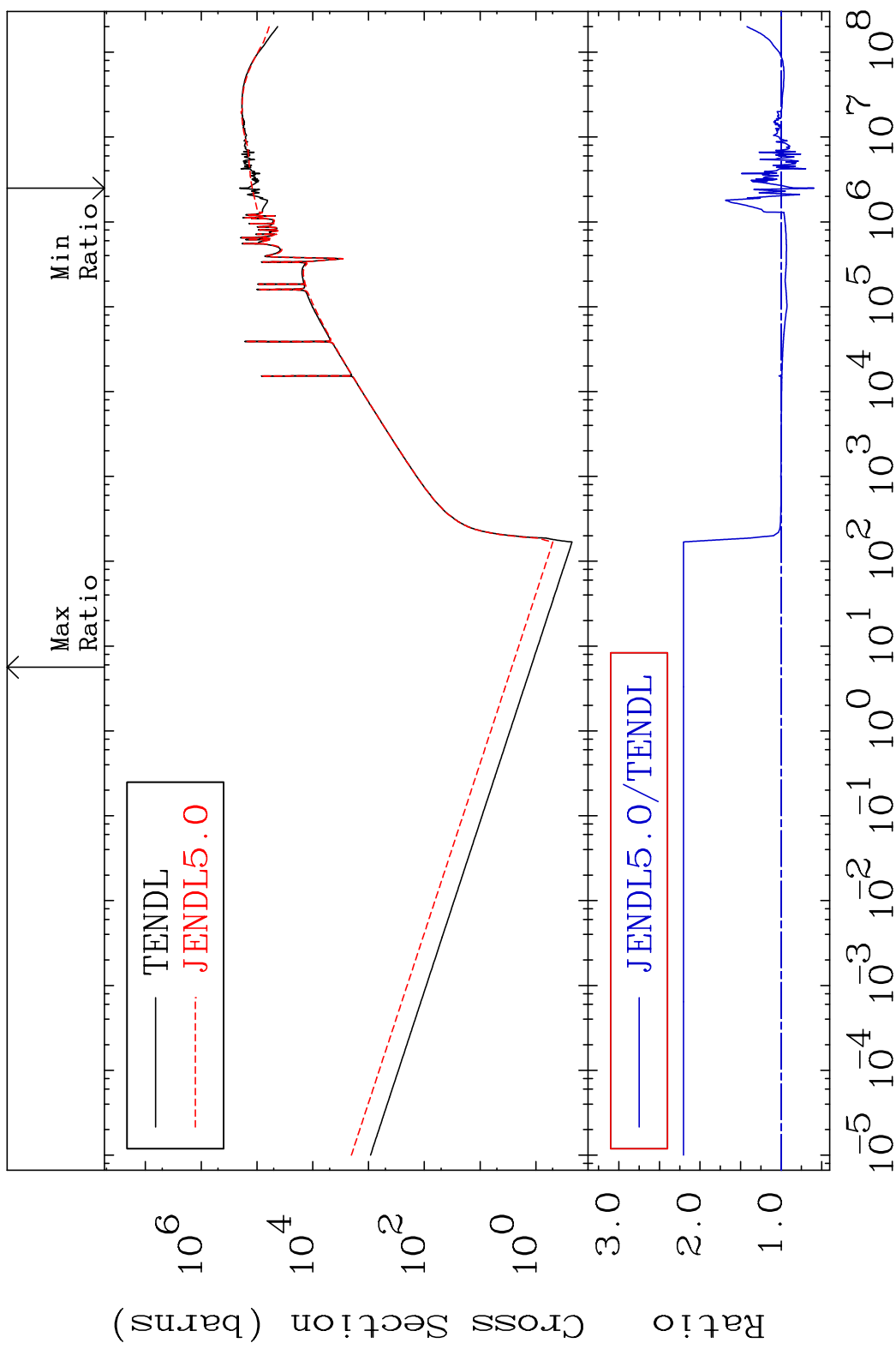
47 Incident Energy (eV) 14-Si-29

MAT 1428 Total kinematic kerma (high limit) 14-Si-29
Cross Section -40.03 To 127.1 %



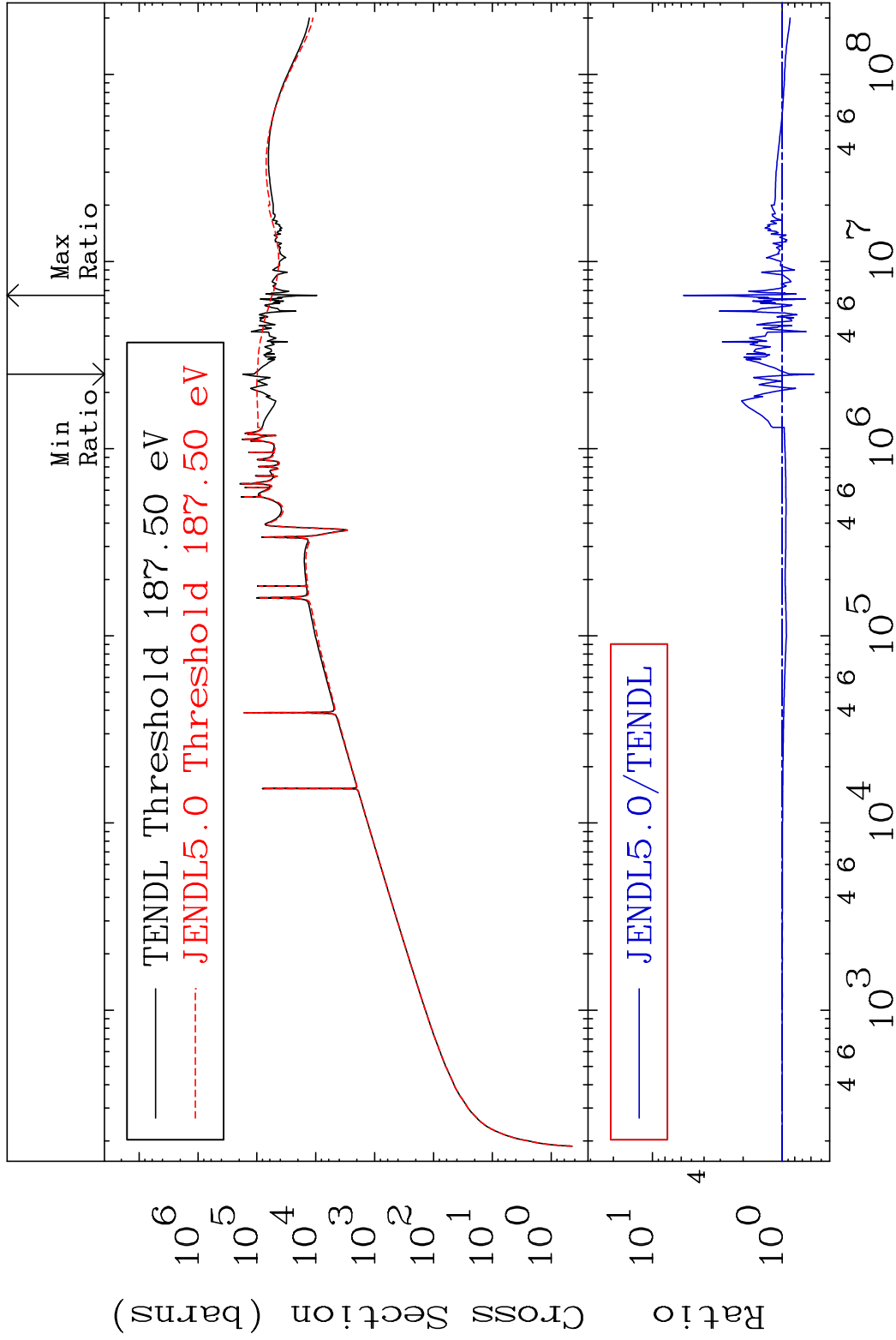
48 Incident Energy (eV) 14-Si-29

MAT 1428 Dpa total (eV-barns) 14-Si-29
 Cross Section -40.32 To 120.4 %



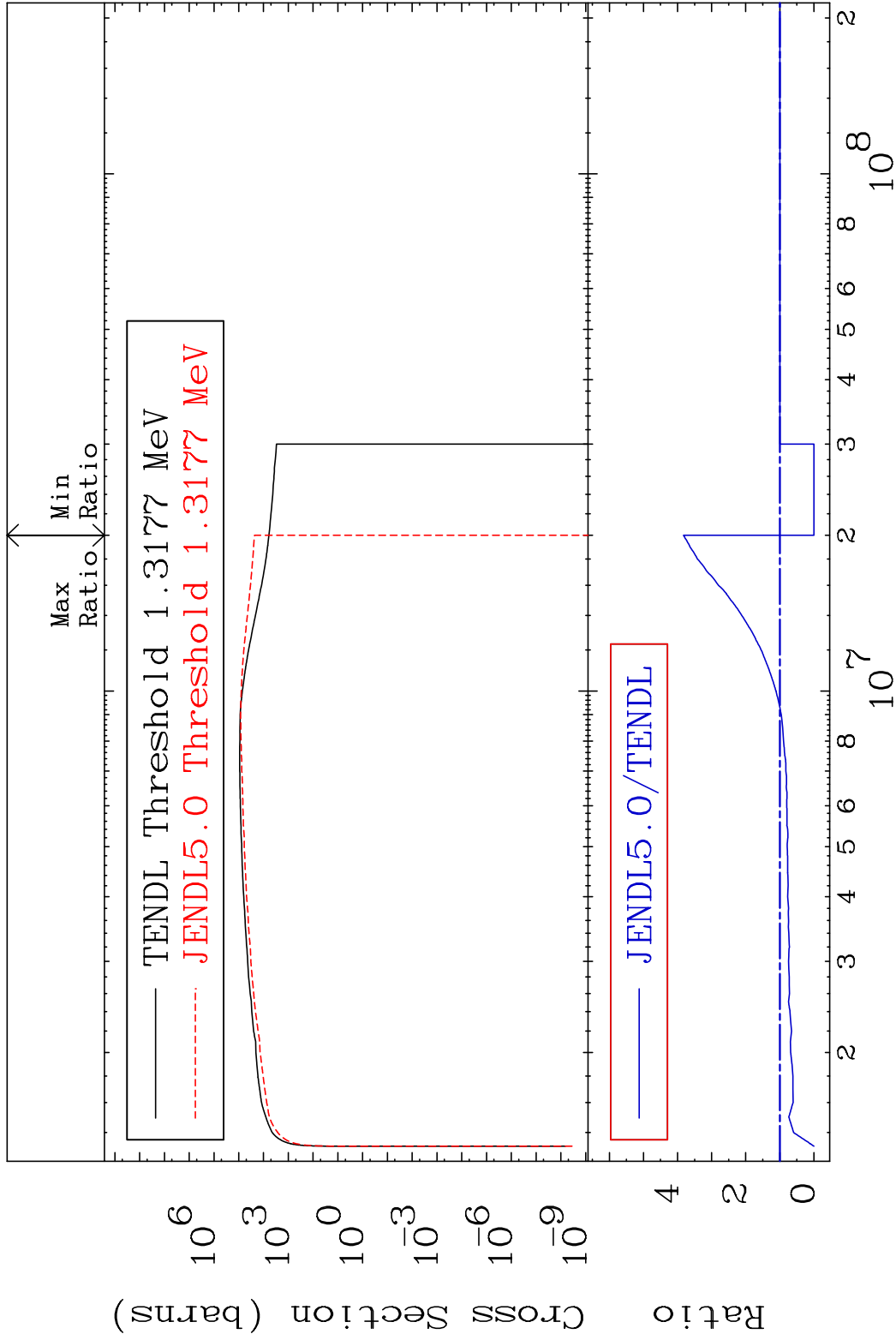
49 Incident Energy (eV) 14-Si-29

MAT 1428 Dpa elastic (mt2) 14-Si-29
 Cross Section -42.98 To 476.7 %



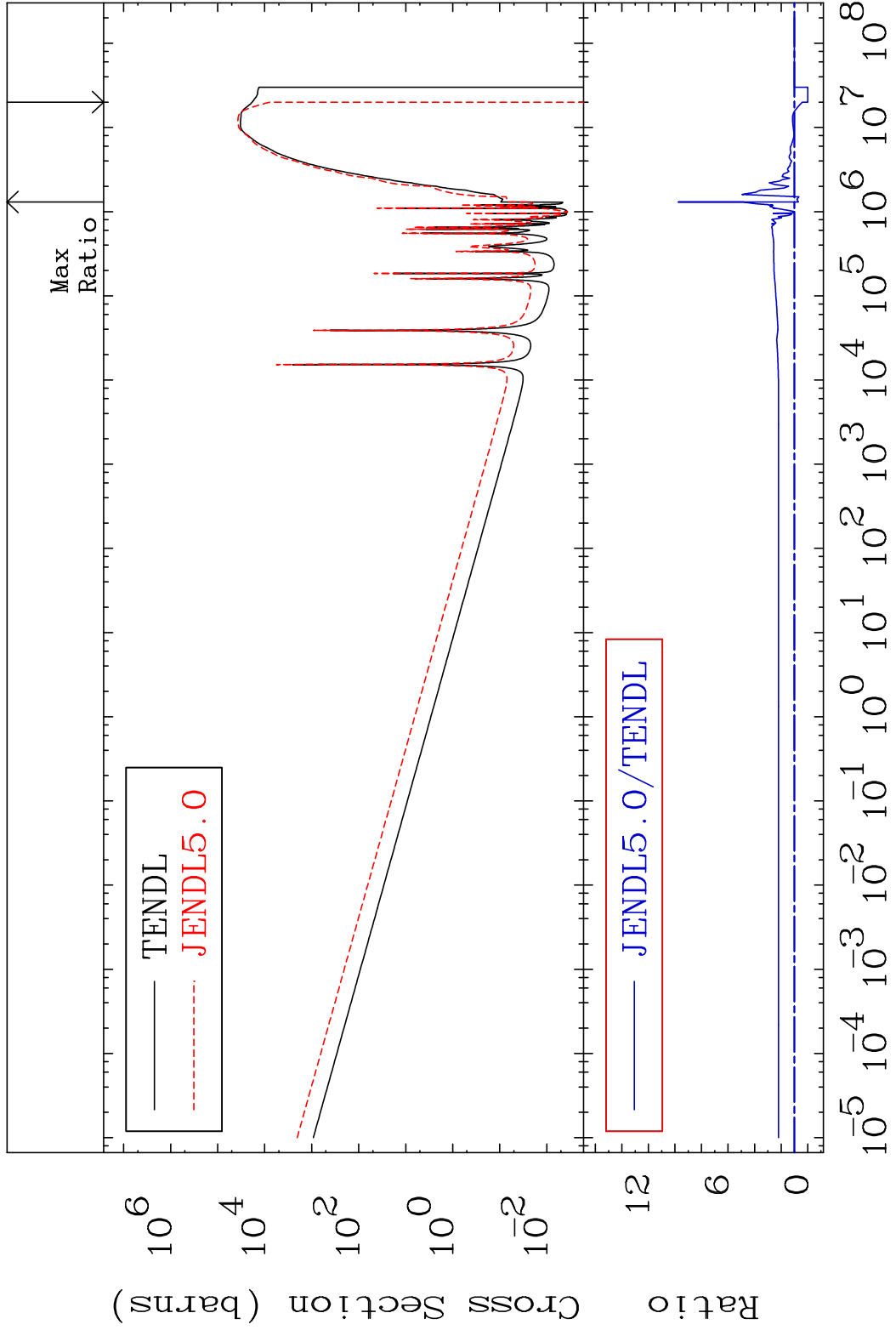
50 Incident Energy (eV) 14-Si-29

MAT 1428 Dpa inelastic (mt51-91) 14-Si-29
 Cross Section -100.0 To 282.7 %



51 Incident Energy (eV) 14-Si-29

MAT 1428 Dpa disappearance (mt102 -120) 14-Si-29
 Cross Section -100.0 To 875.1 %



52 Incident Energy (eV) 14-Si-29