

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

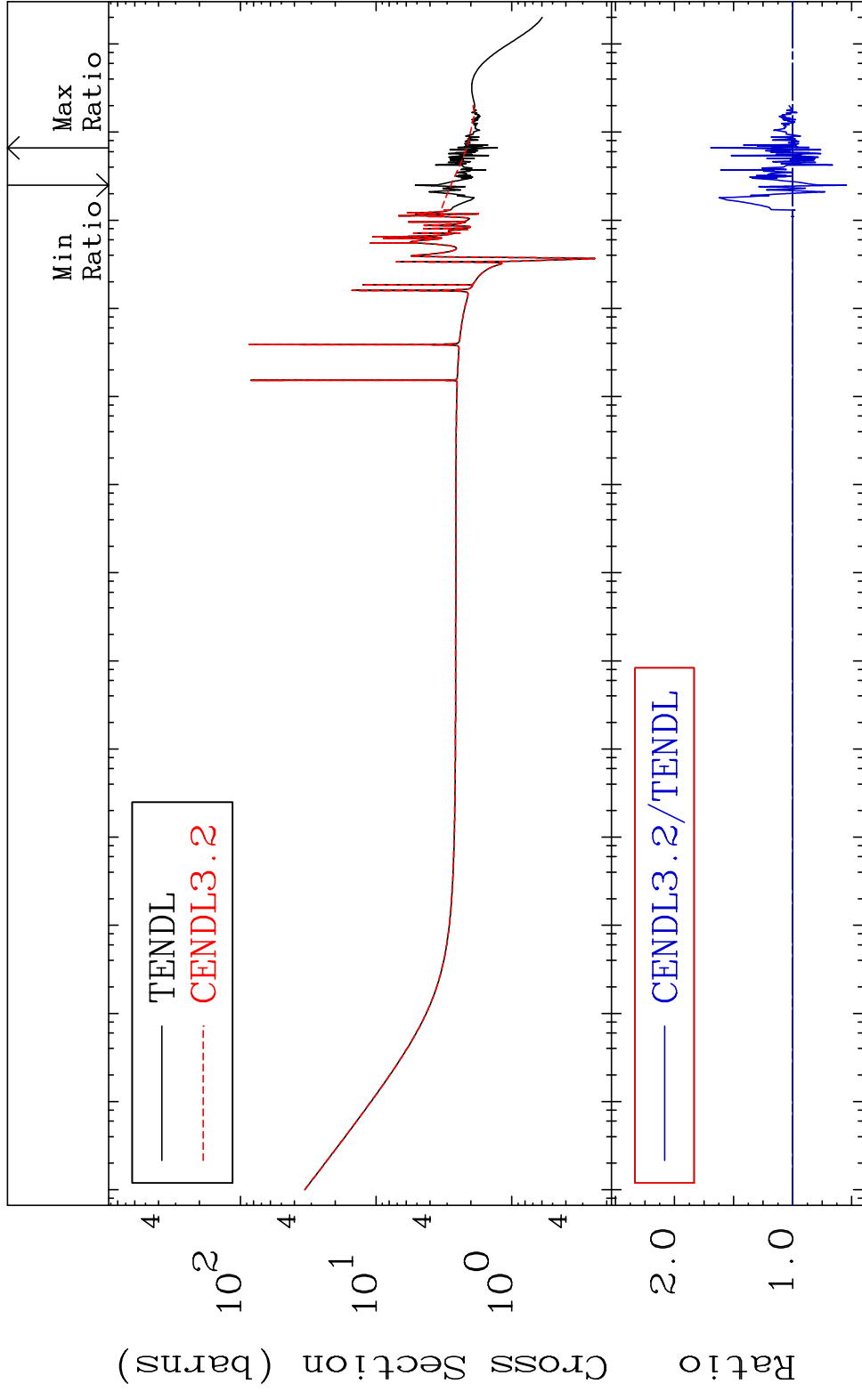
MAT 1428

Total

14-Si-29

Cross Section

-45.47 To 69.34 %



1

Incident Energy (eV)

14-Si-29

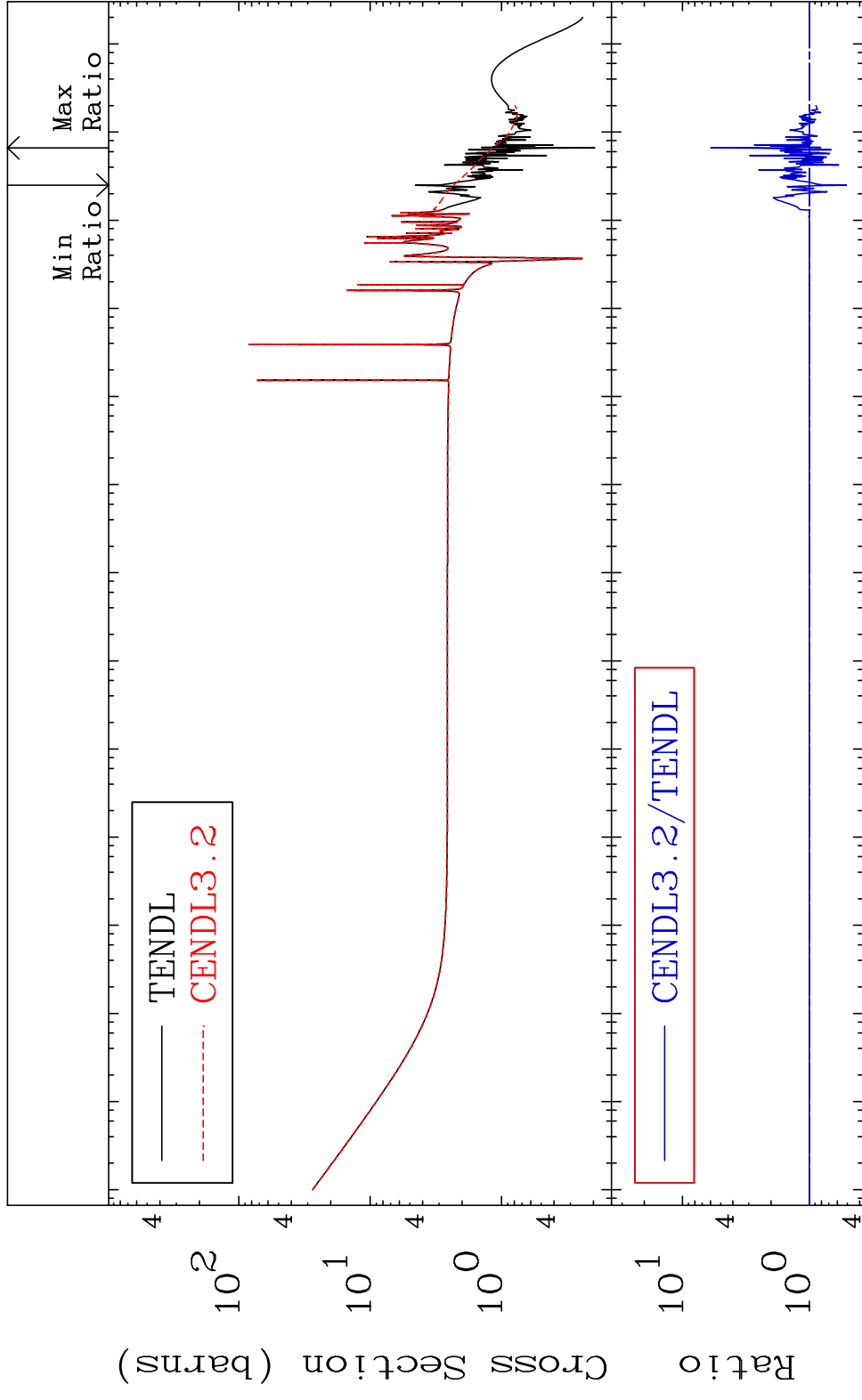
MAT 1428

Elastic

14-Si-29

Cross Section

-49.03 To 499.0 %

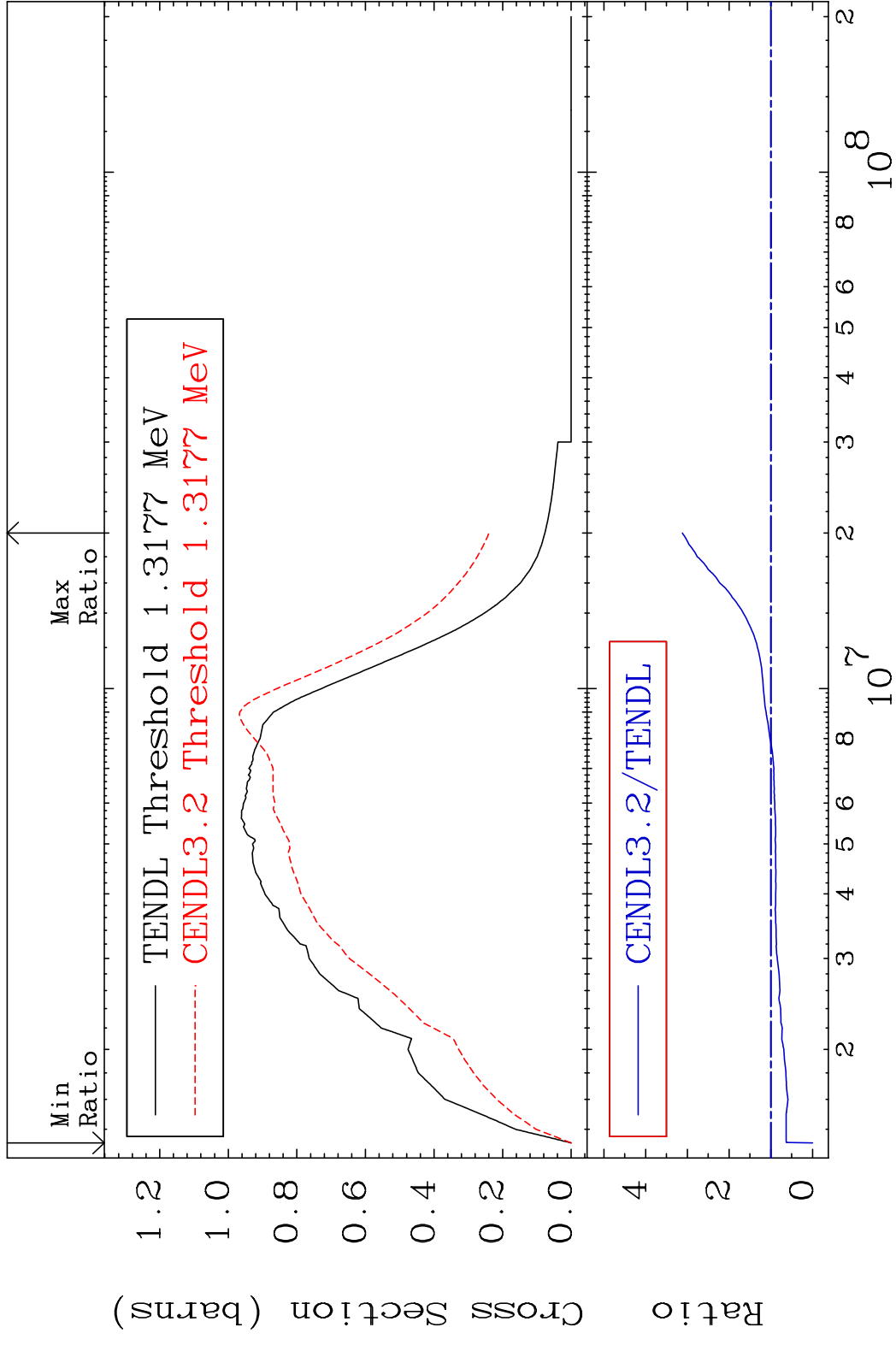


2

Incident Energy (eV)

14-Si-29

MAT 1428 Inelastic 14-Si-29
 Cross Section -100.0 To 212.0 %



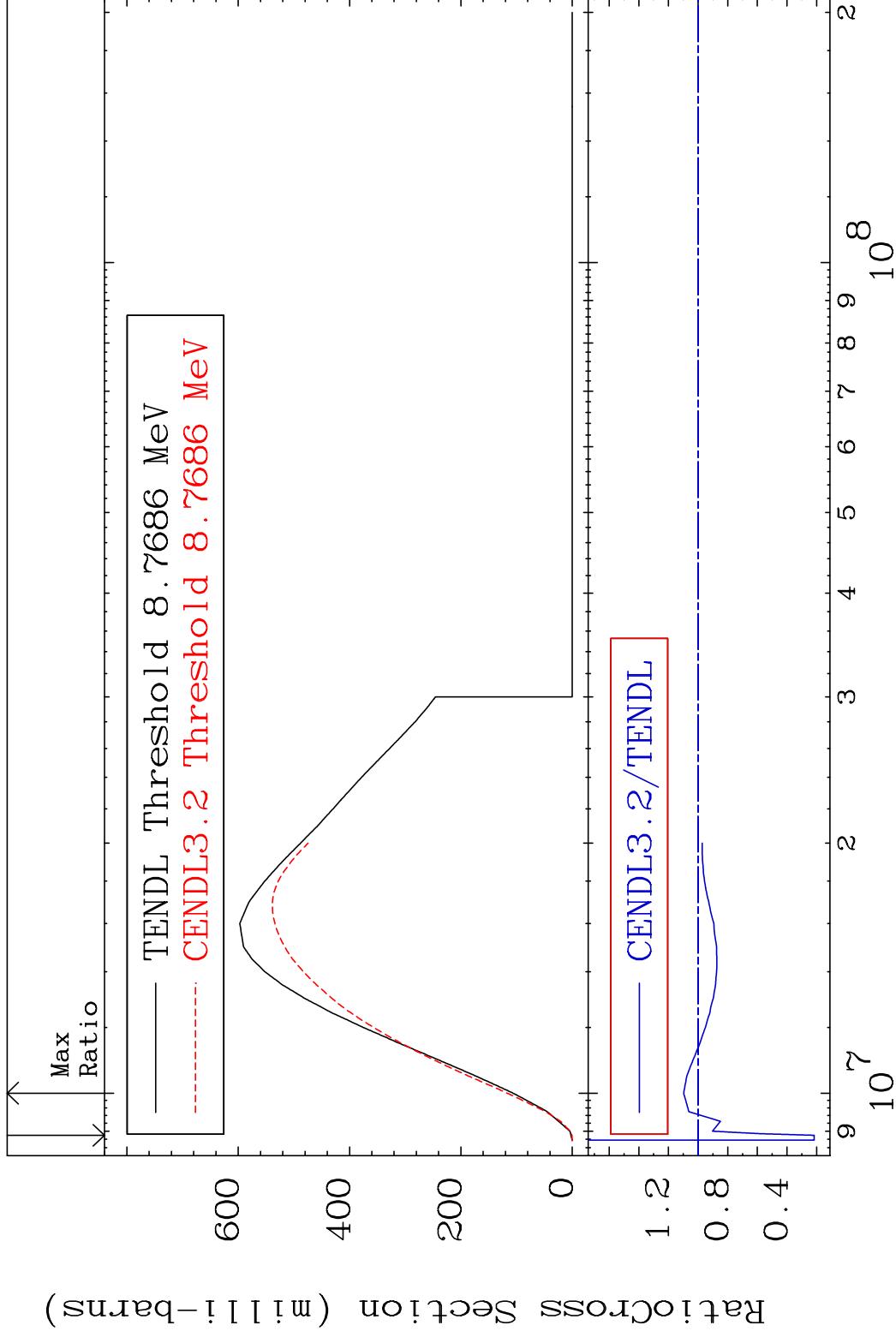
3 Incident Energy (eV) 14-Si-29

MAT 1428

(n,2n)

14-Si-29

Cross Section -78.29 To 9.735 %



4

Incident Energy (eV)

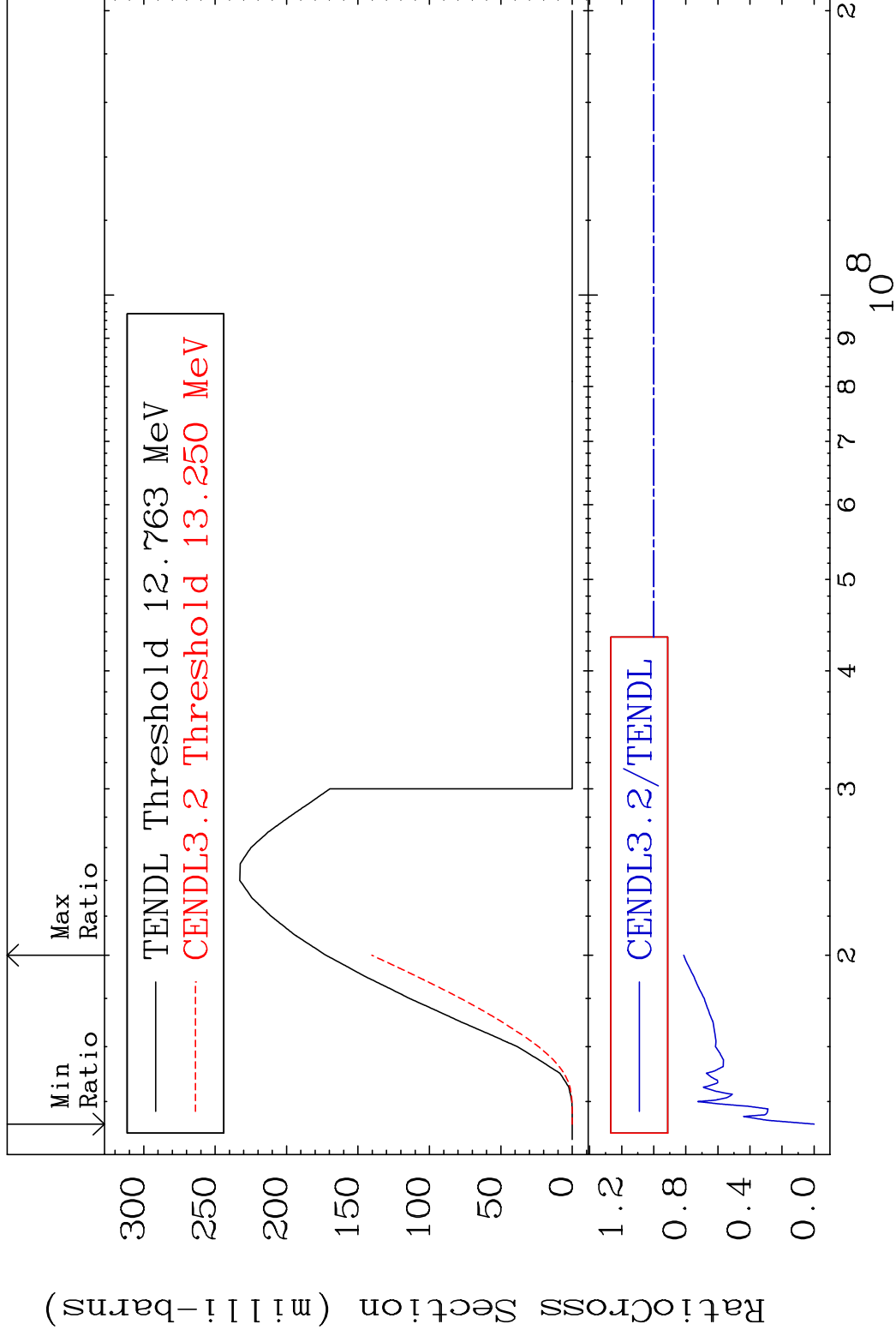
14-Si-29

MAT 1428

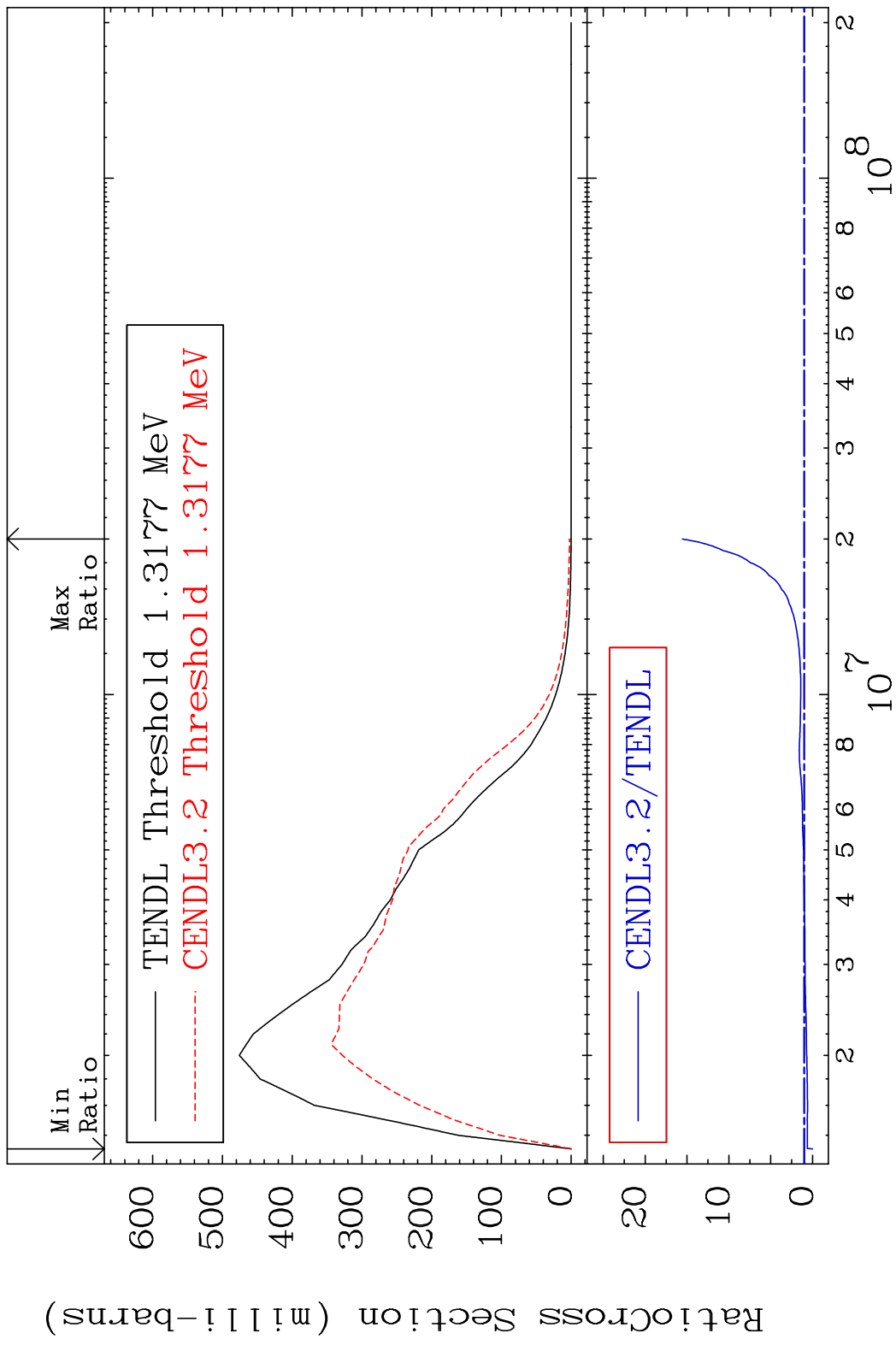
(n, n') p

14-Si-29

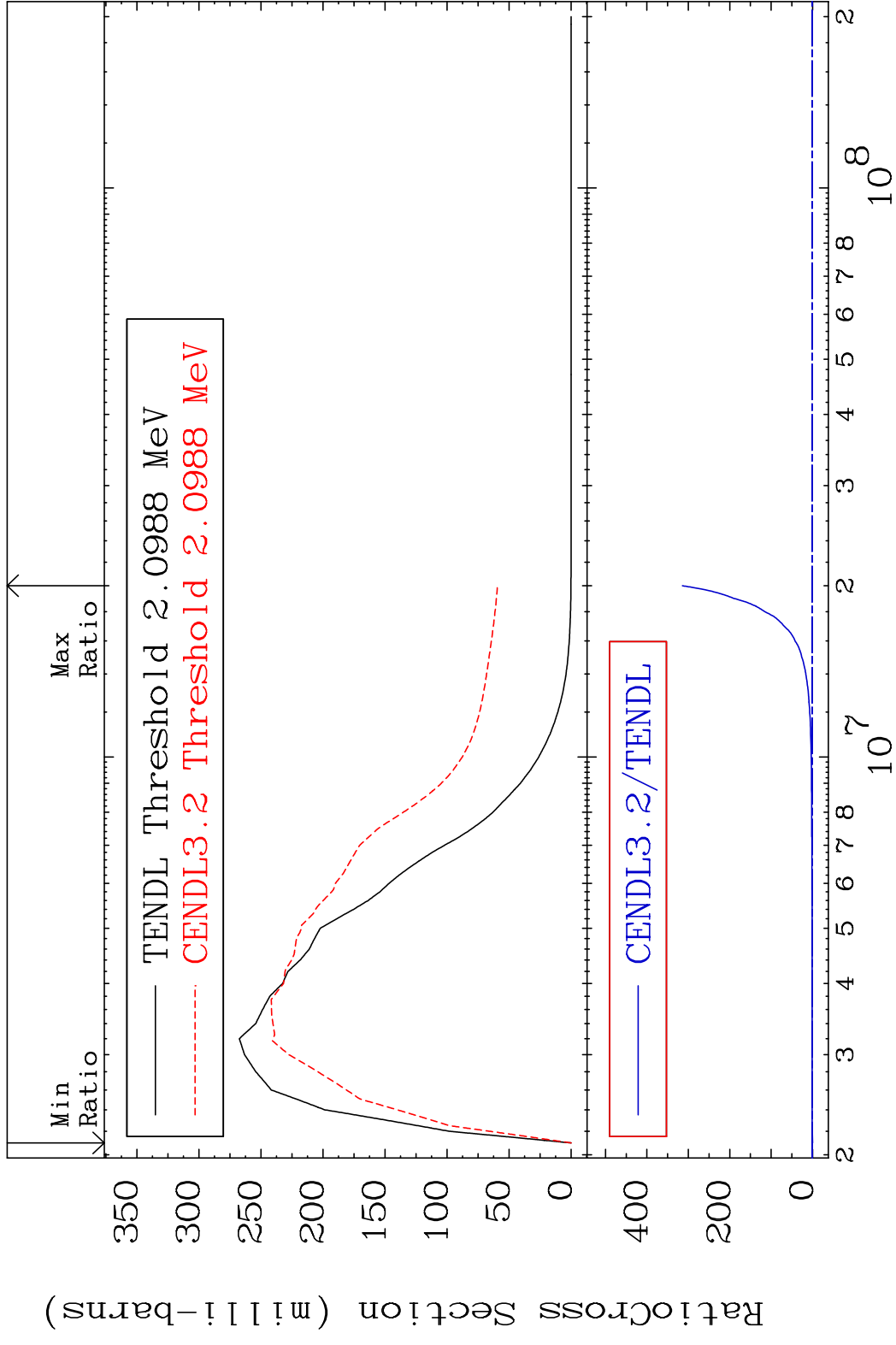
Cross Section -100.0 To -18.65%



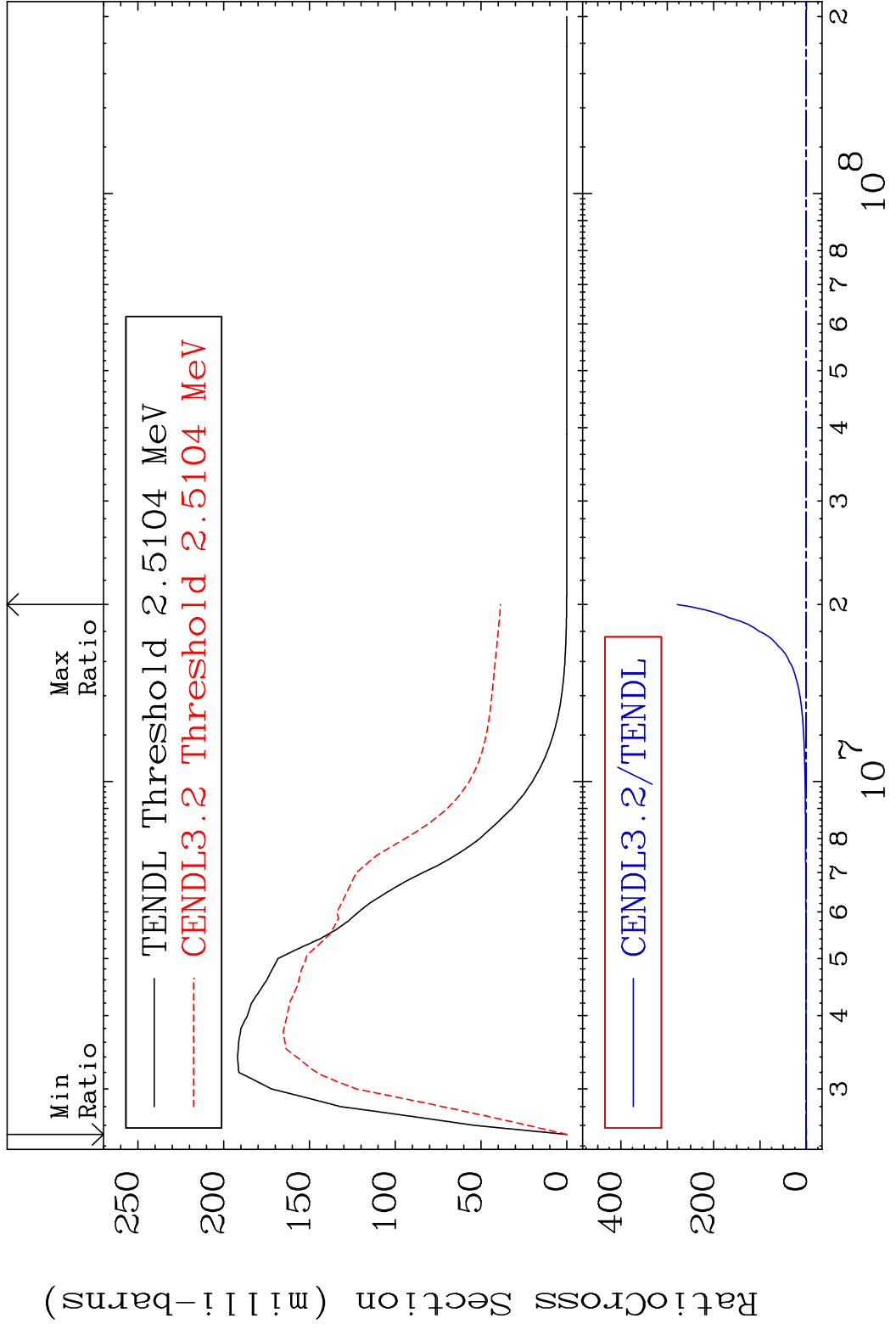
MAT 1428 MT= 51 (n, n') Level 14-Si-29
 Cross Section -100.0 To 1456. %



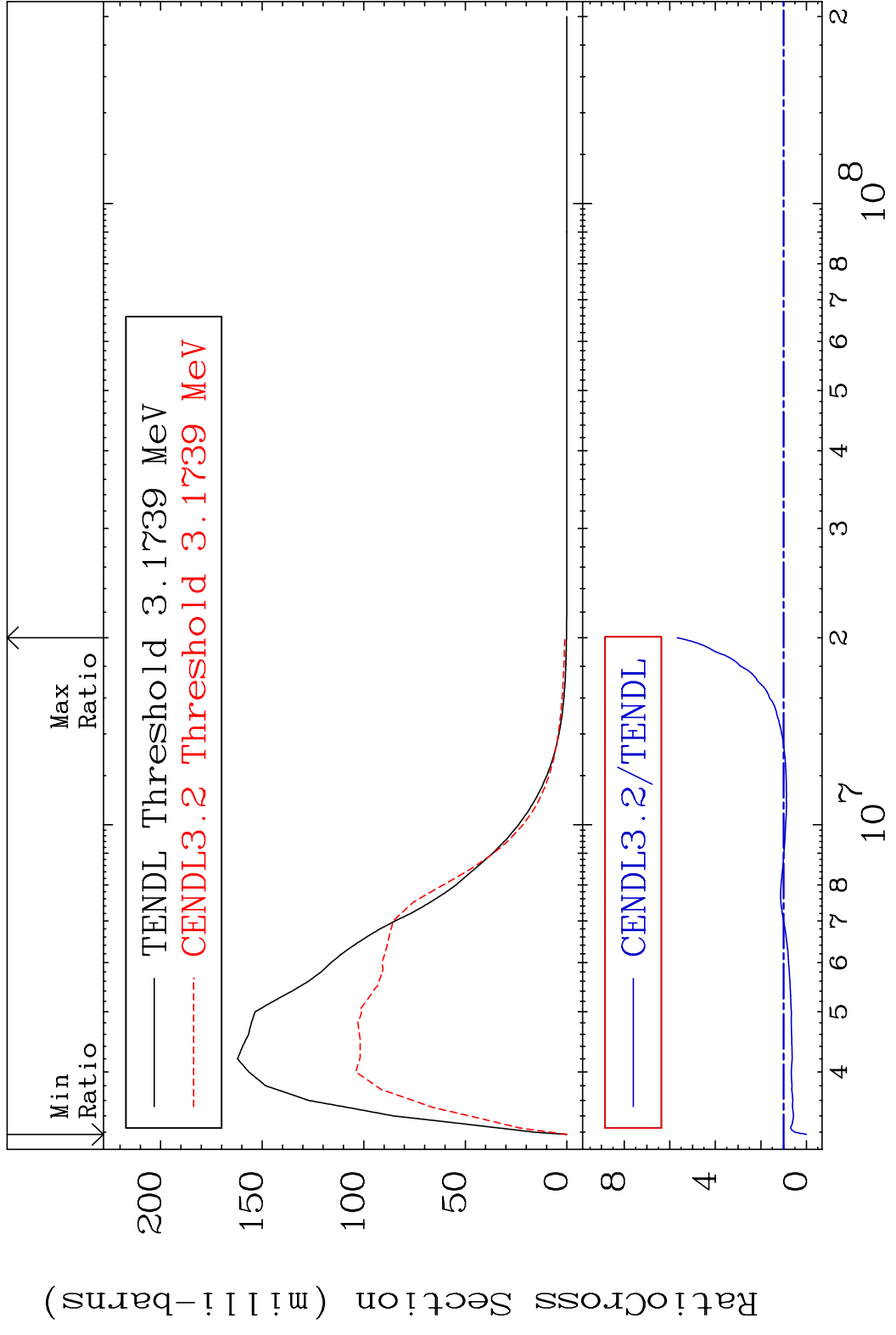
MAT 1428 MT= 52 (n, n') Level 14-Si-29
 Cross Section -100.0 To 9999. %



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

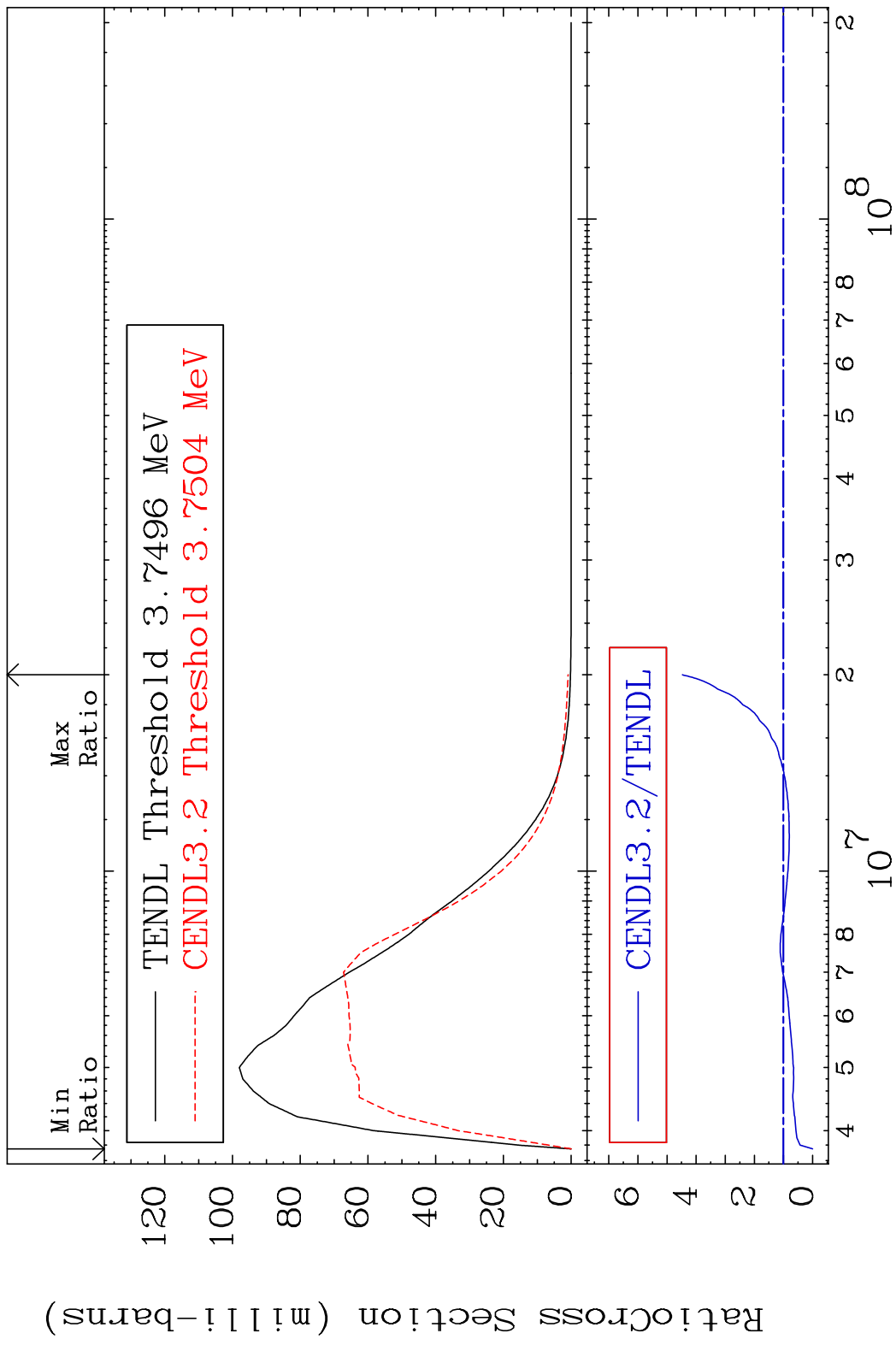


MAT 1428 MT= 54 (n,n') Level 14-Si-29
 Cross Section -100.0 To 467.4 %



10 100 1000 10000 100000 1000000 10000000 100000000 1000000000

MAT 1428 MT= 55 (n,n') Level 14-Si-29
 Cross Section -100.0 To 347.3 %

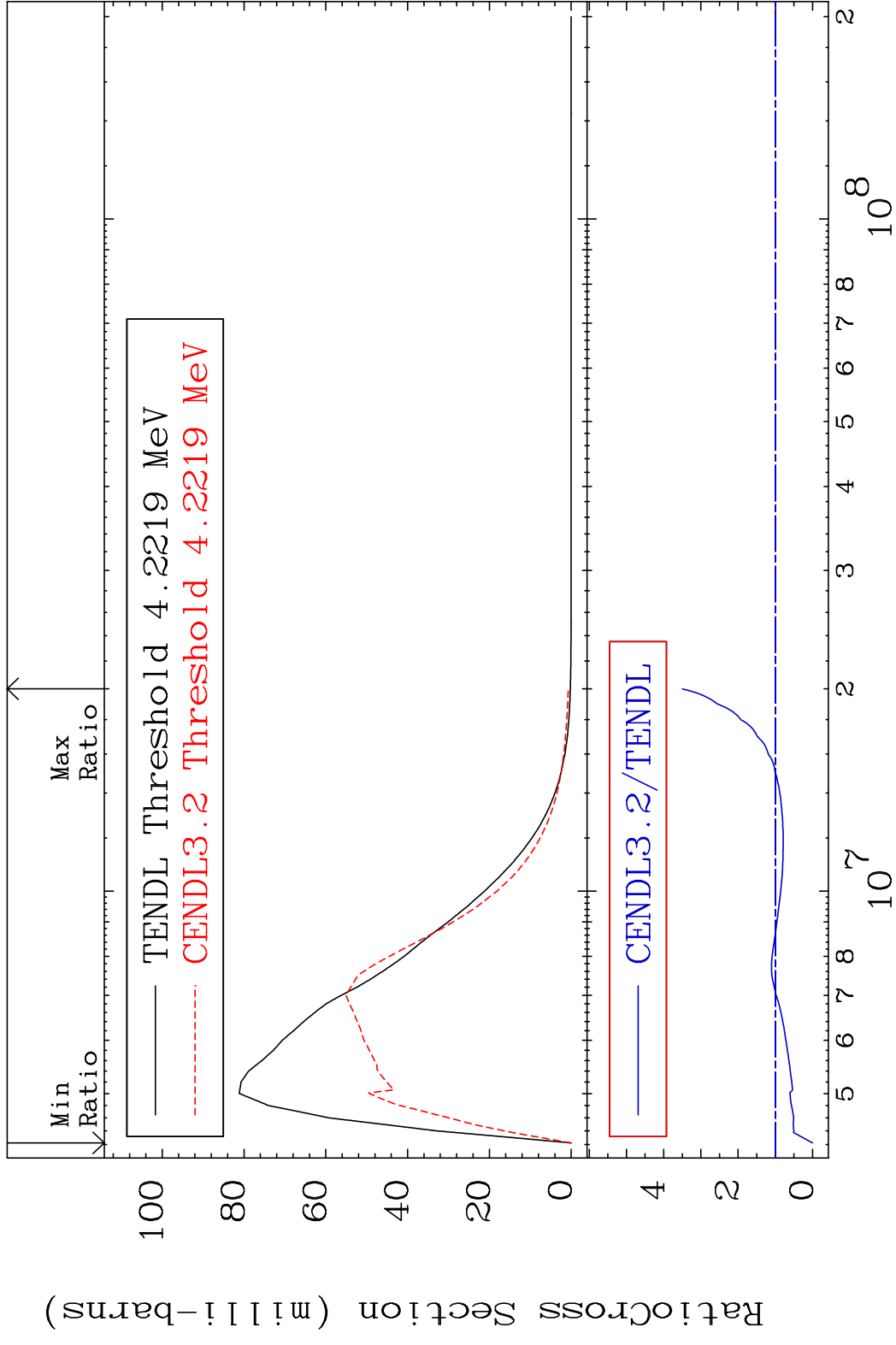


MAT 1428

MT= 56 (n, n') Level

14-Si-29

Cross Section -100.0 To 249.9 %

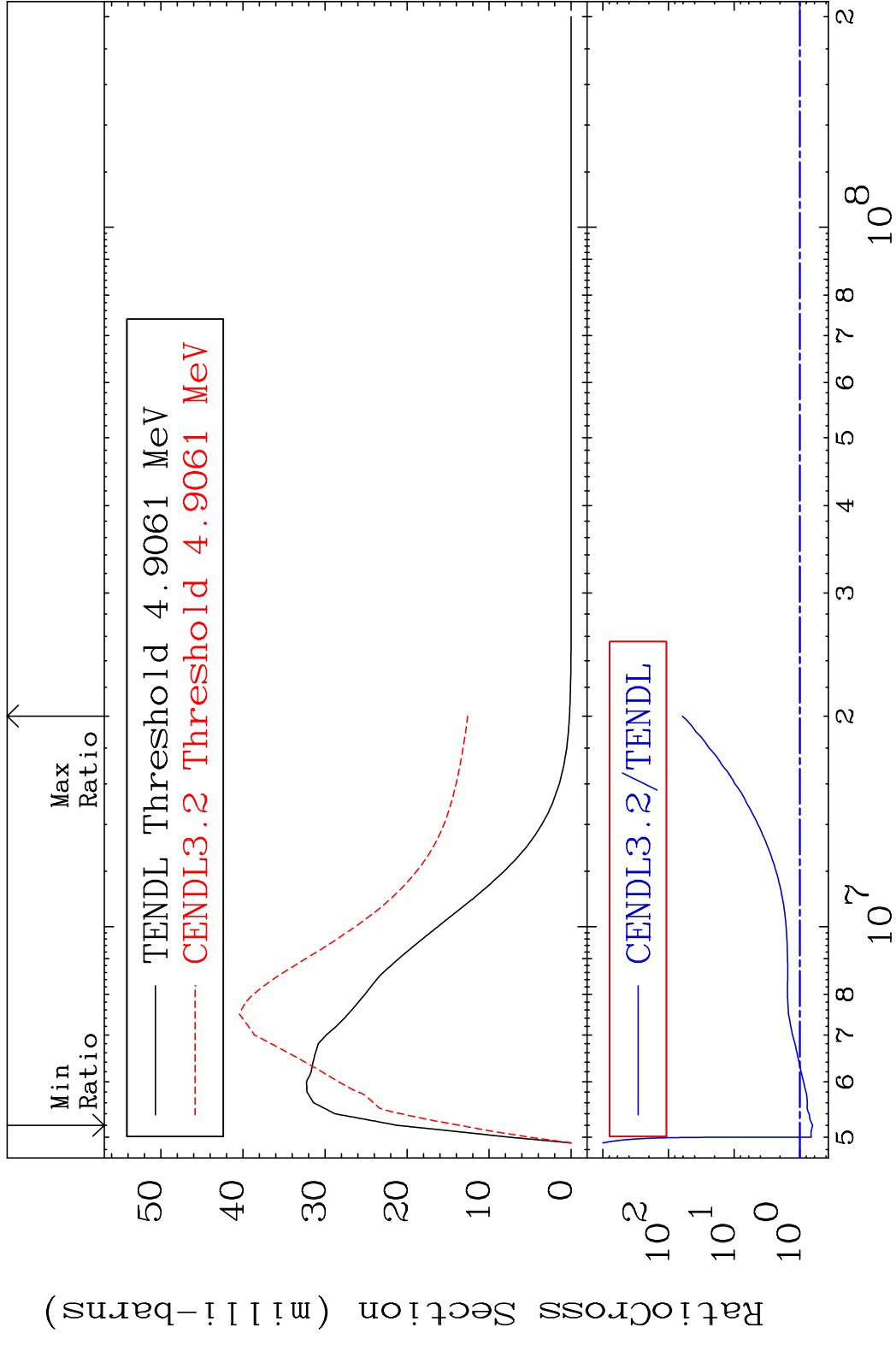


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Incident Energy (eV)

14-Si-29

MAT 1428 MT= 57 (n,n') Level 14-Si-29
 Cross Section -35.92 To 6061. %

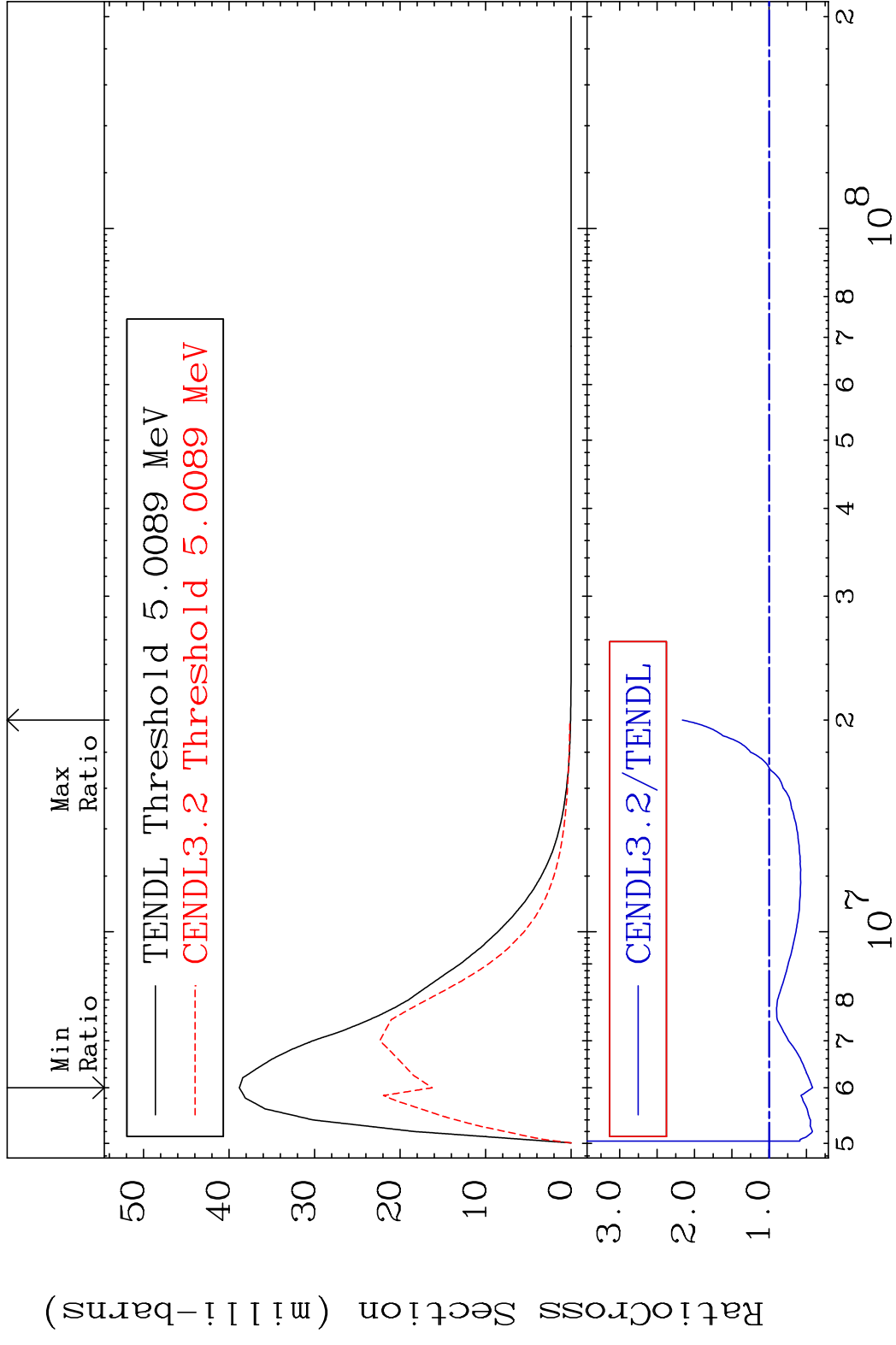


MAT 1428

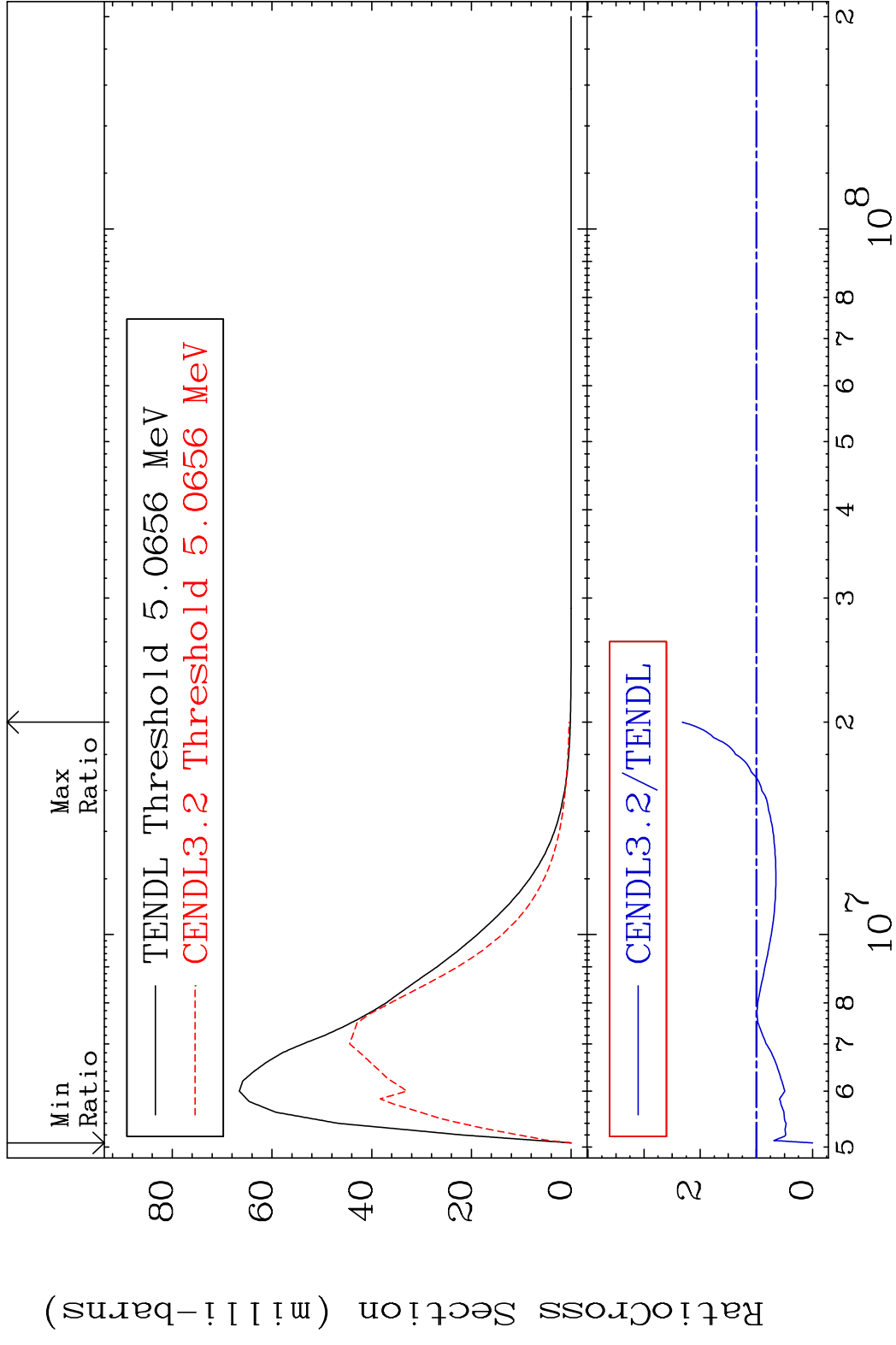
MT= 58 (n,n') Level

14-Si-29

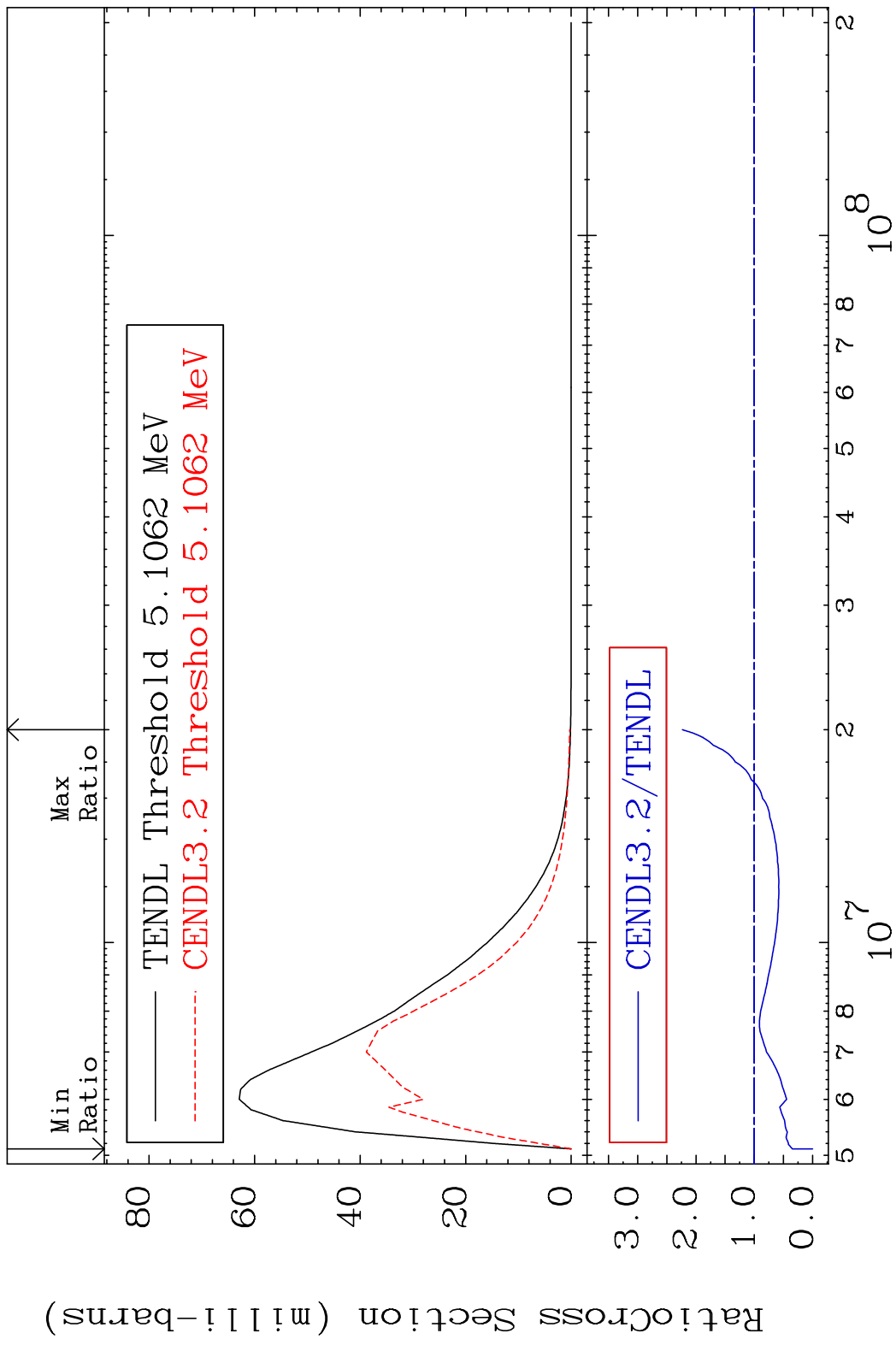
Cross Section -58.10 To 116.2 %



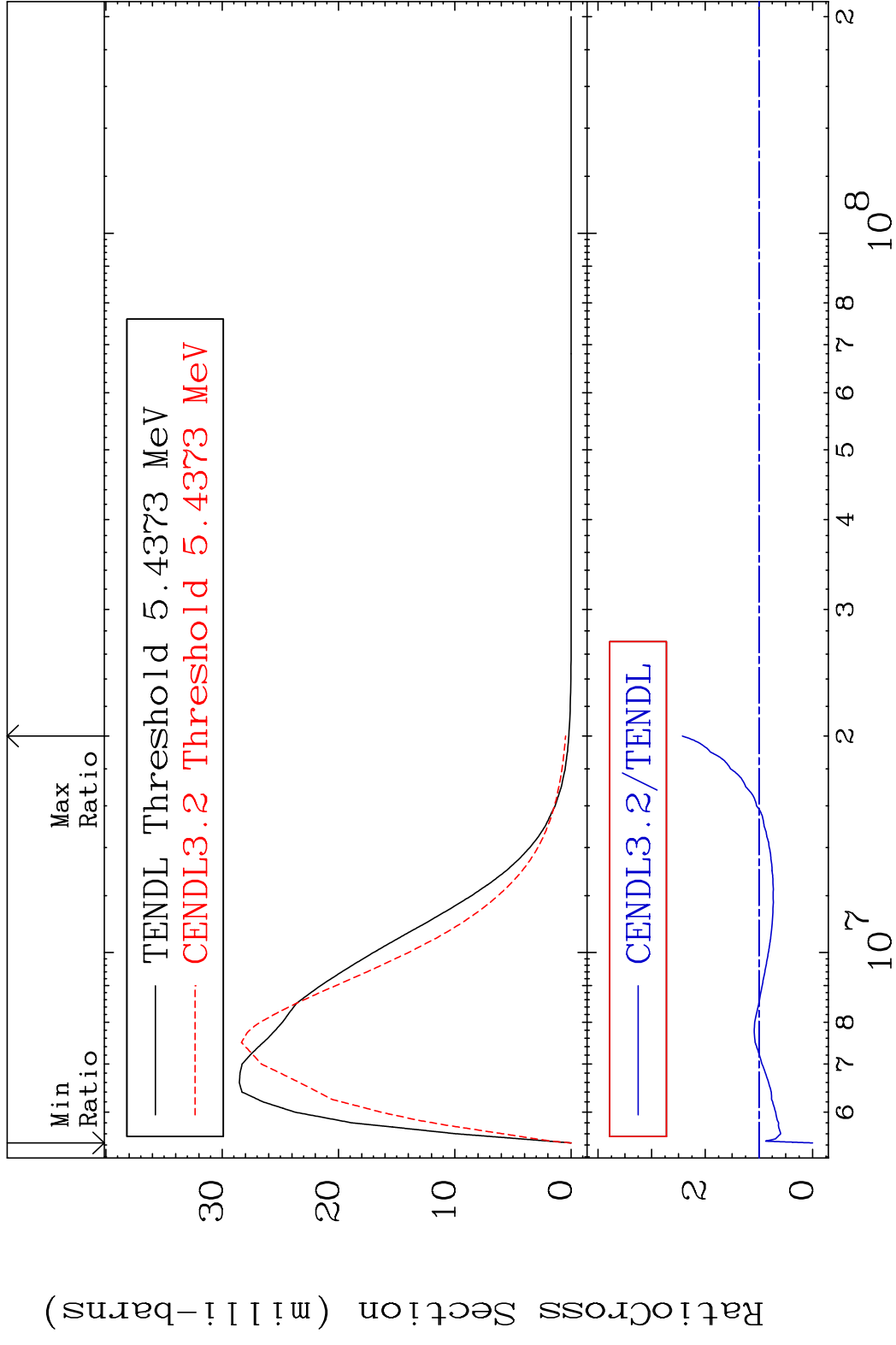
MAT 1428 MT= 59 (n,n') Level 14-Si-29
 Cross Section -100.0 To 131.8 %



MAT 1428 MT= 60 (n,n') Level 14-Si-29
 Cross Section -100.0 To 123.4 %

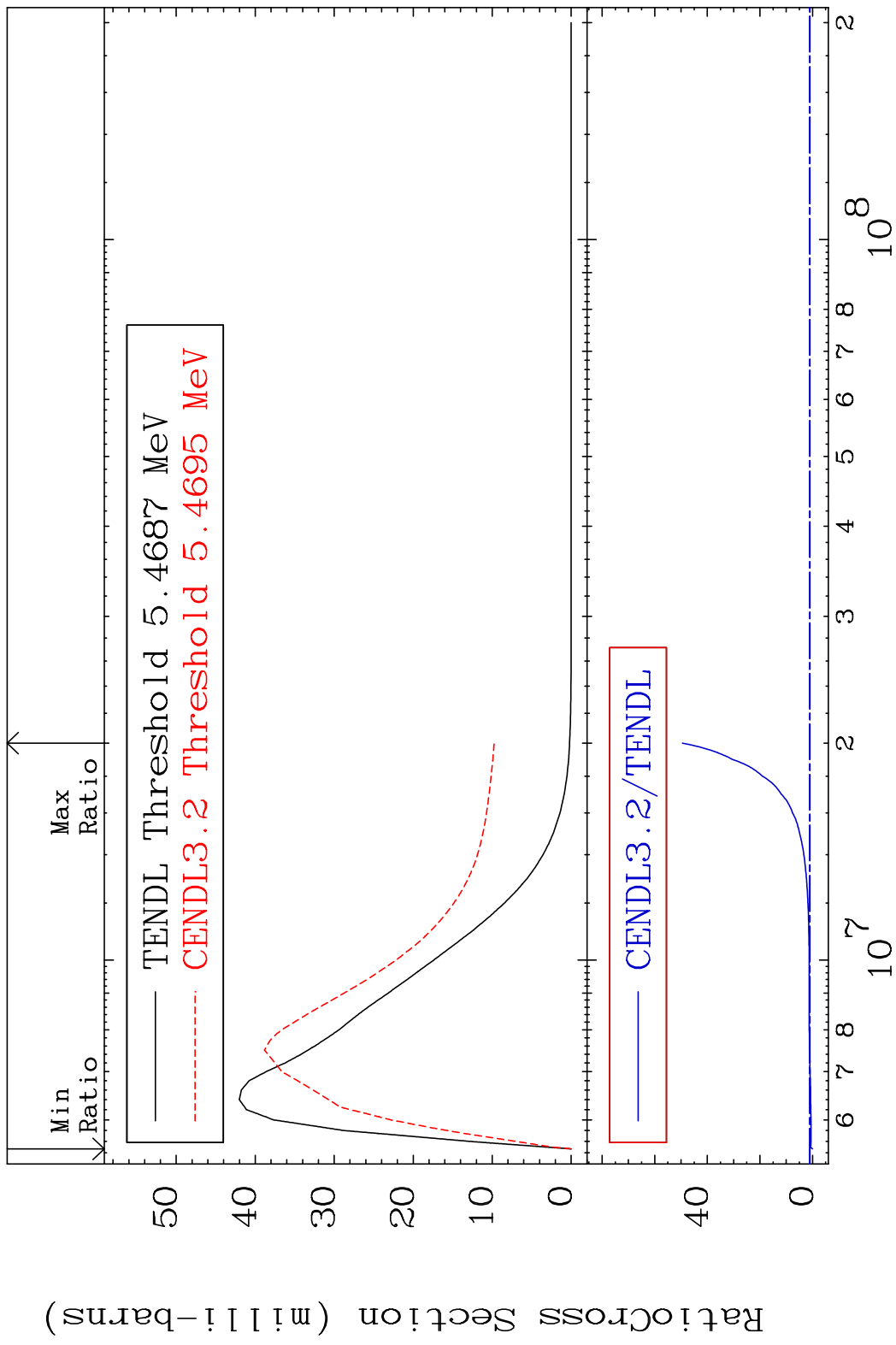


MAT 1428 MT= 61 (n,n') Level 14-Si-29
 Cross Section -100.0 To 142.7 %



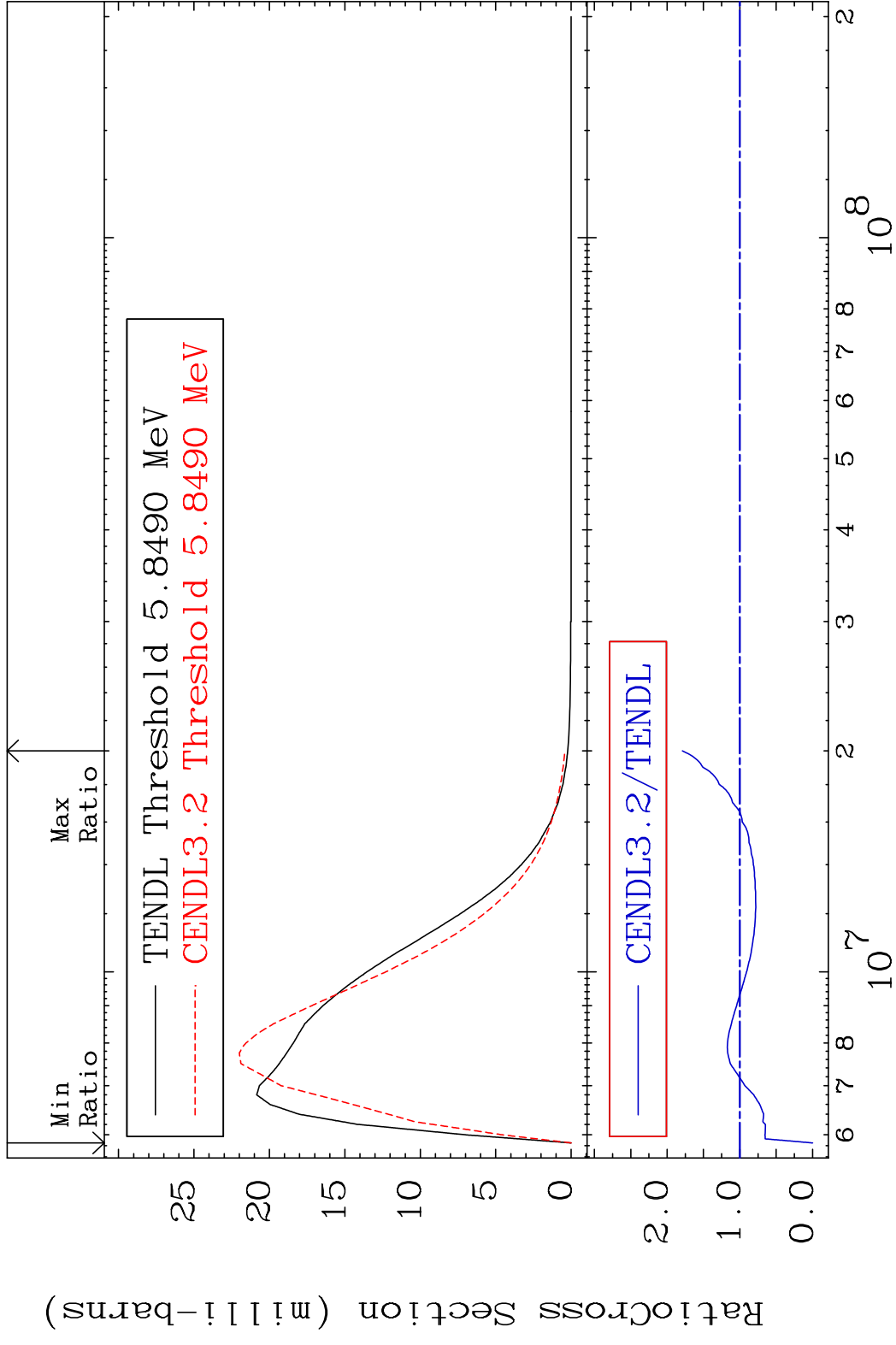
17 Incident Energy (eV) 14-Si-29

MAT 1428 MT= 62 (n,n') Level 14-Si-29
 Cross Section -100.0 To 4849. %



18 14-Si-29

MAT 1428 MT= 63 (n,n') Level 14-Si-29
 Cross Section -100.0 To 79.05 %

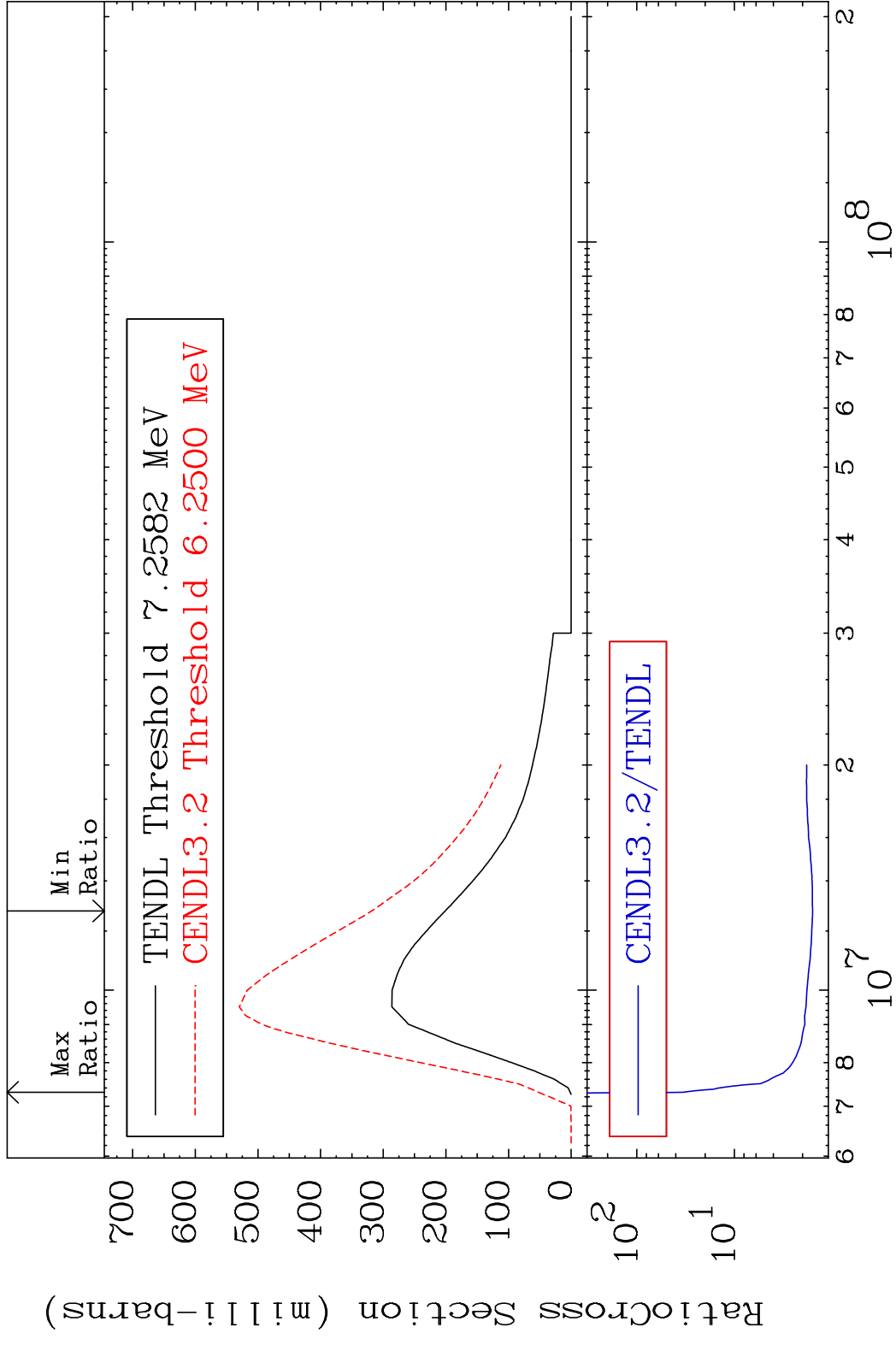


MAT 1428

(n,n') Continuum

14-Si-29

Cross Section 58.34 To 3320. %



20

Incident Energy (eV)

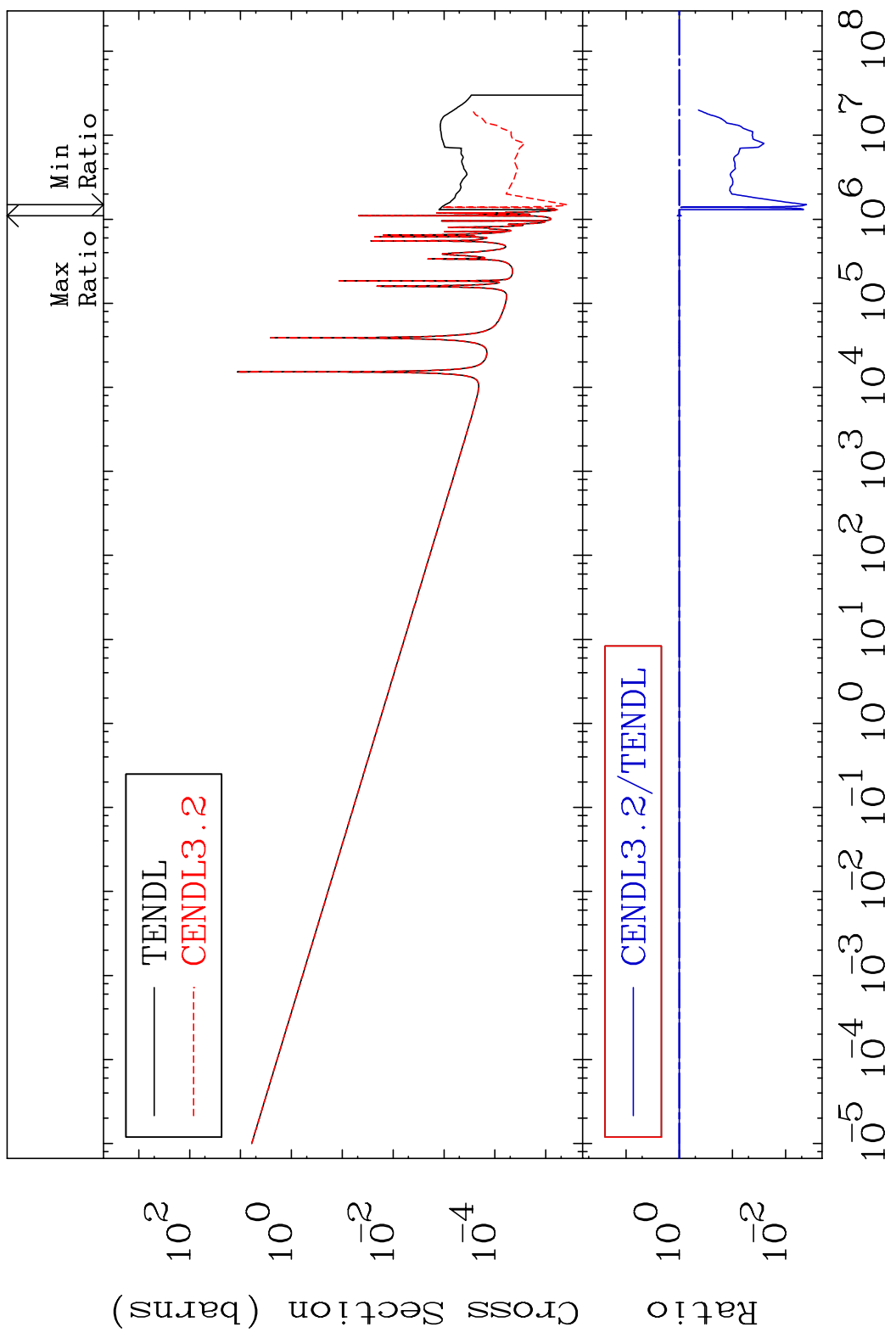
14-Si-29

MAT 1428

(n, γ)

14-Si-29

Cross Section -99.59 To 9.330 %



21

Incident Energy (eV)

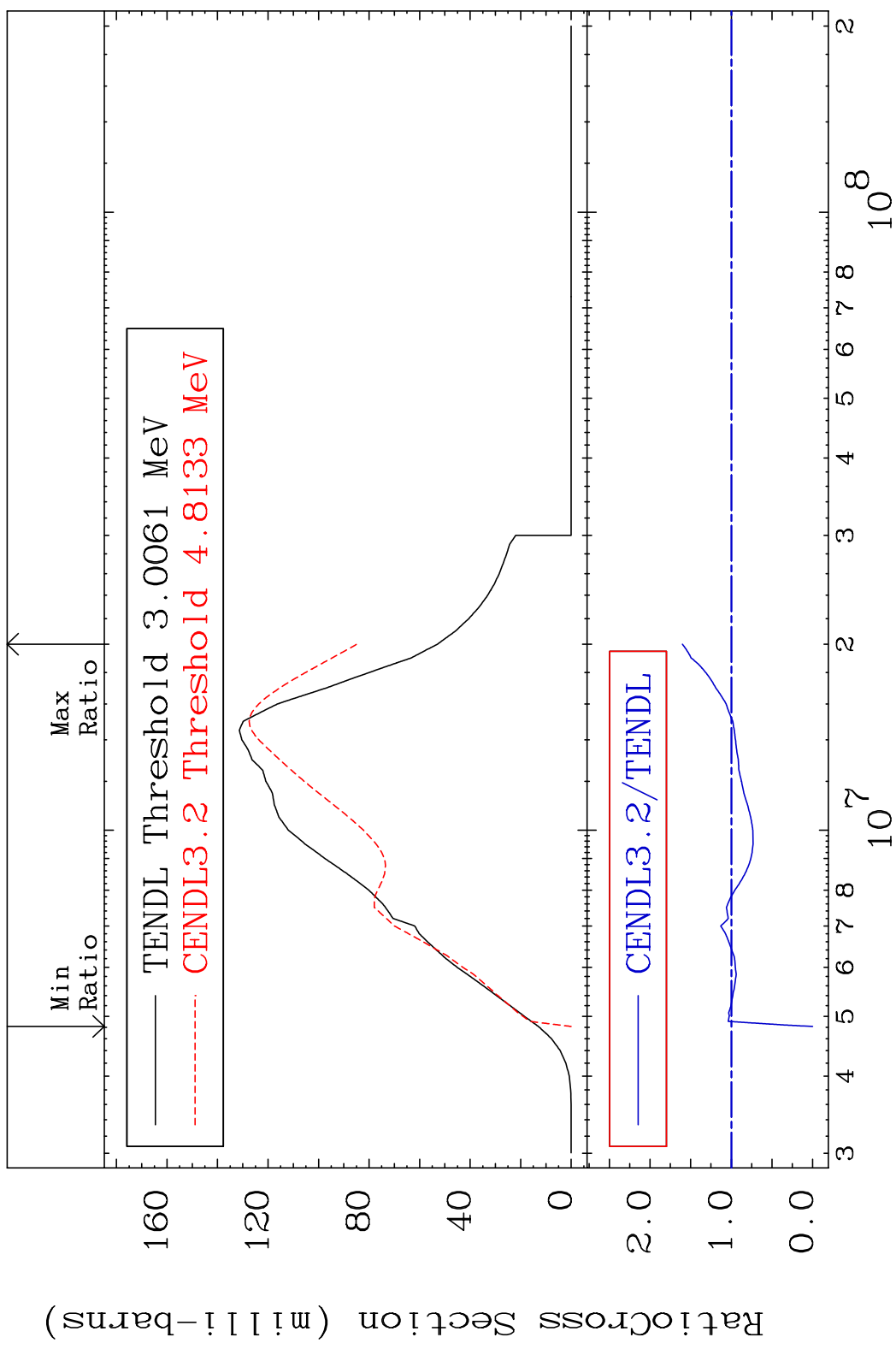
14-Si-29

MAT 1428

(n, p)

14-Si-29

Cross Section -100.0 To 60.27 %

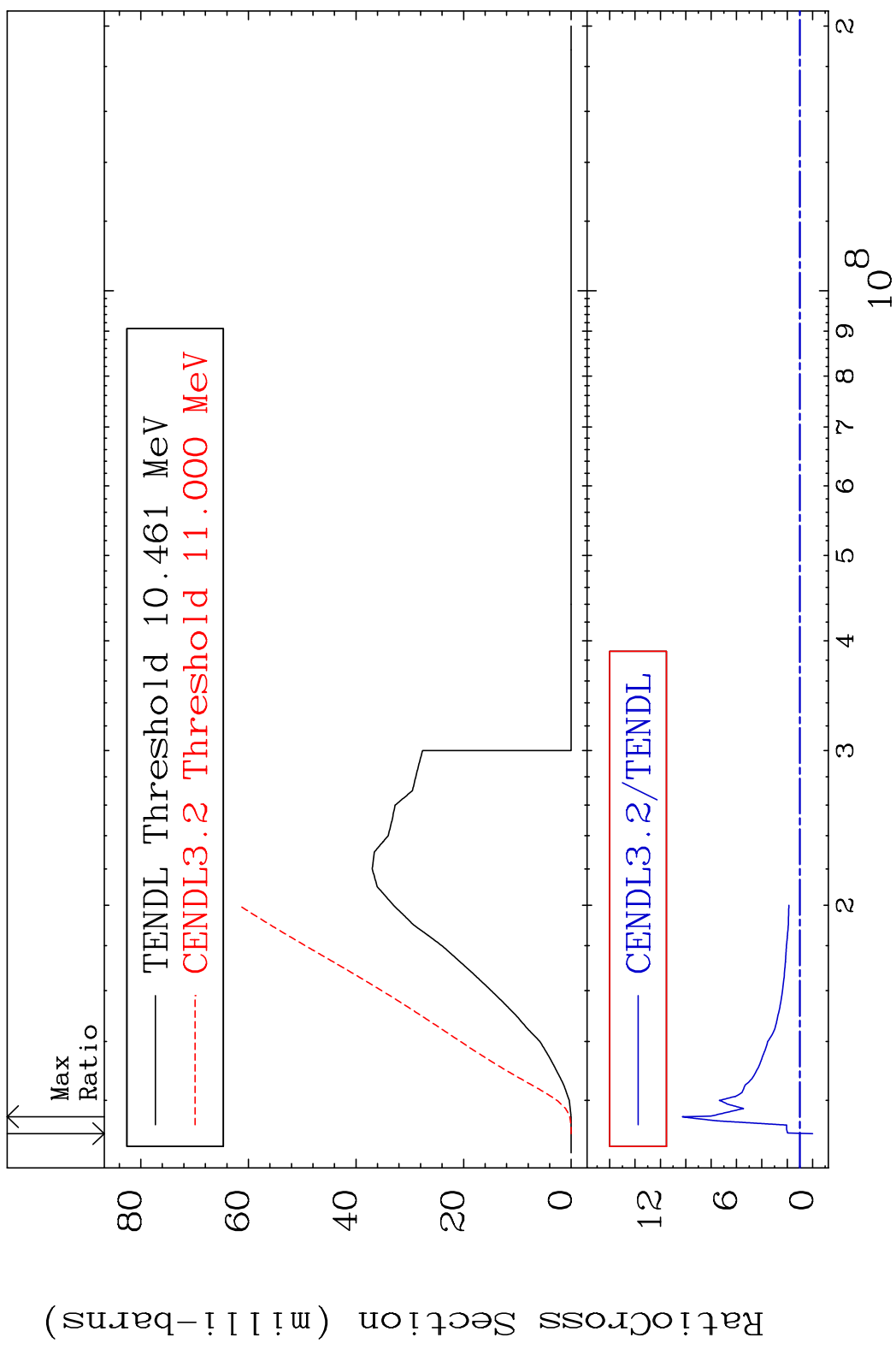


MAT 1428

(n,d)

¹⁴Si-29

Cross Section -100.0 To 926.9 %

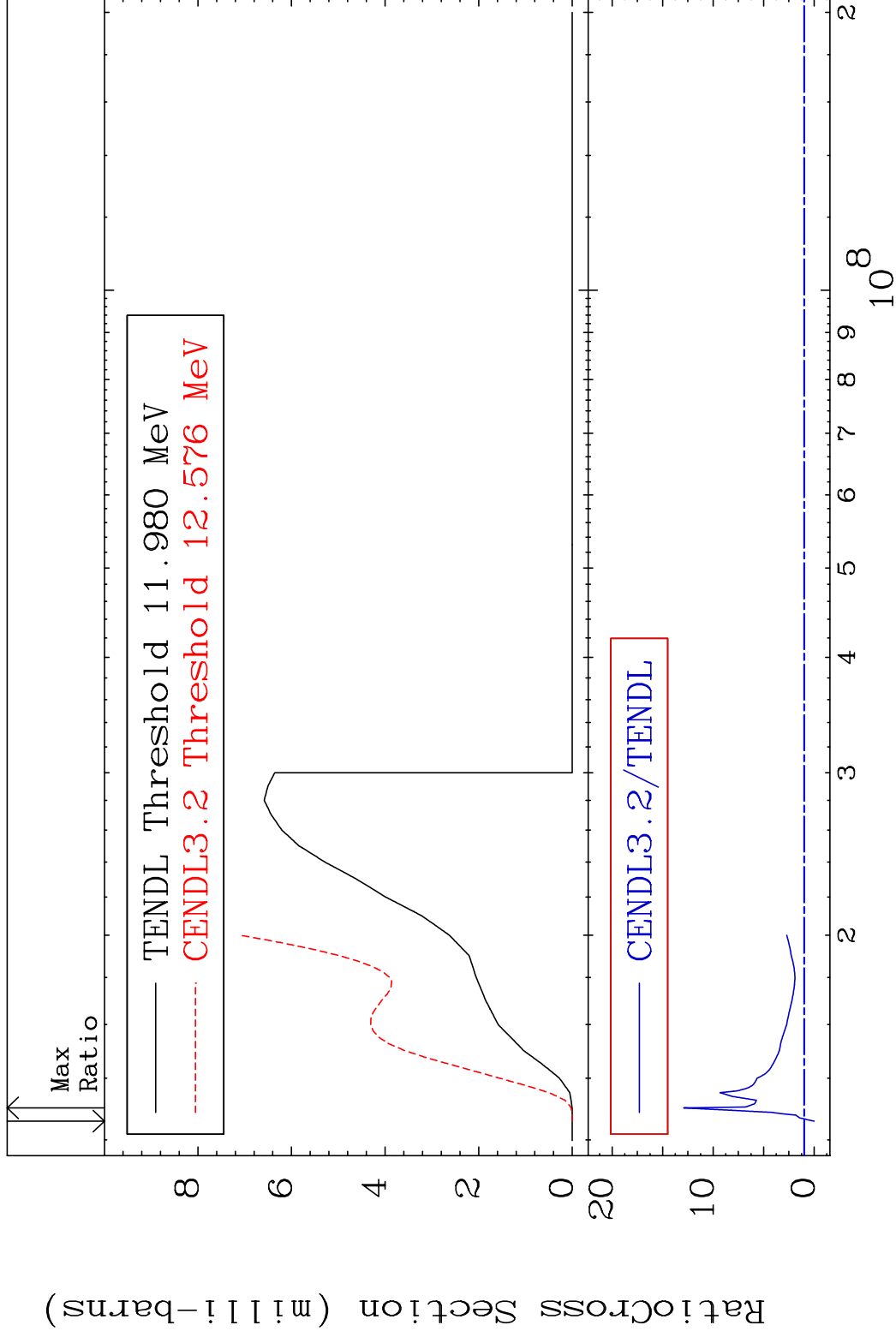


MAT 1428

(n, t)

¹⁴Si-29

Cross Section -100.0 To 1192. %



24

Incident Energy (eV)

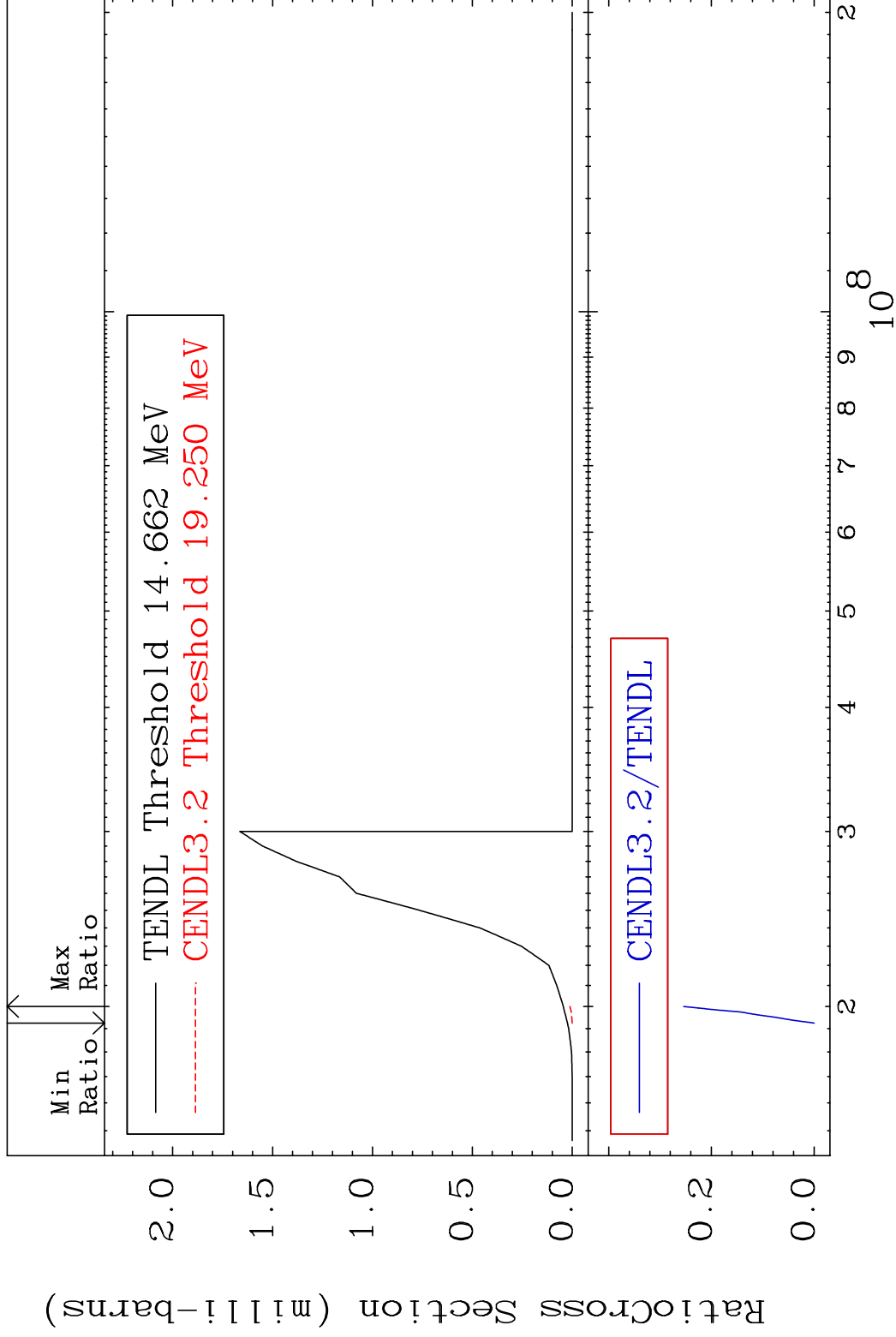
¹⁴Si-29

MAT 1428

(n, He-3)

¹⁴Si-29

Cross Section -100.0 To -74.60%



25

Incident Energy (eV)

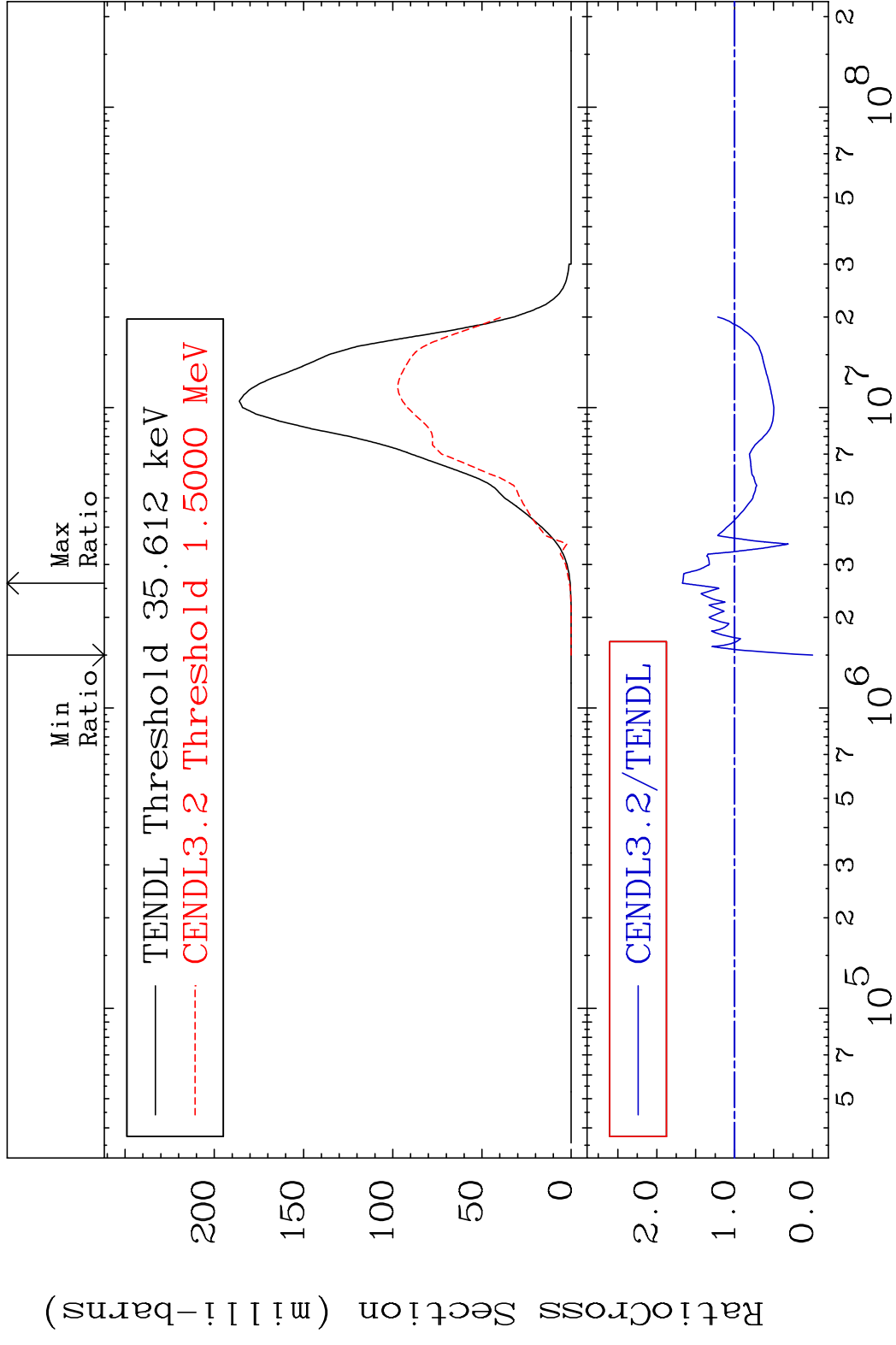
¹⁴Si-29

MAT 1428

$^{14}\text{Si-29}$

(n, α)

Cross Section -100.0 To 67.12 %

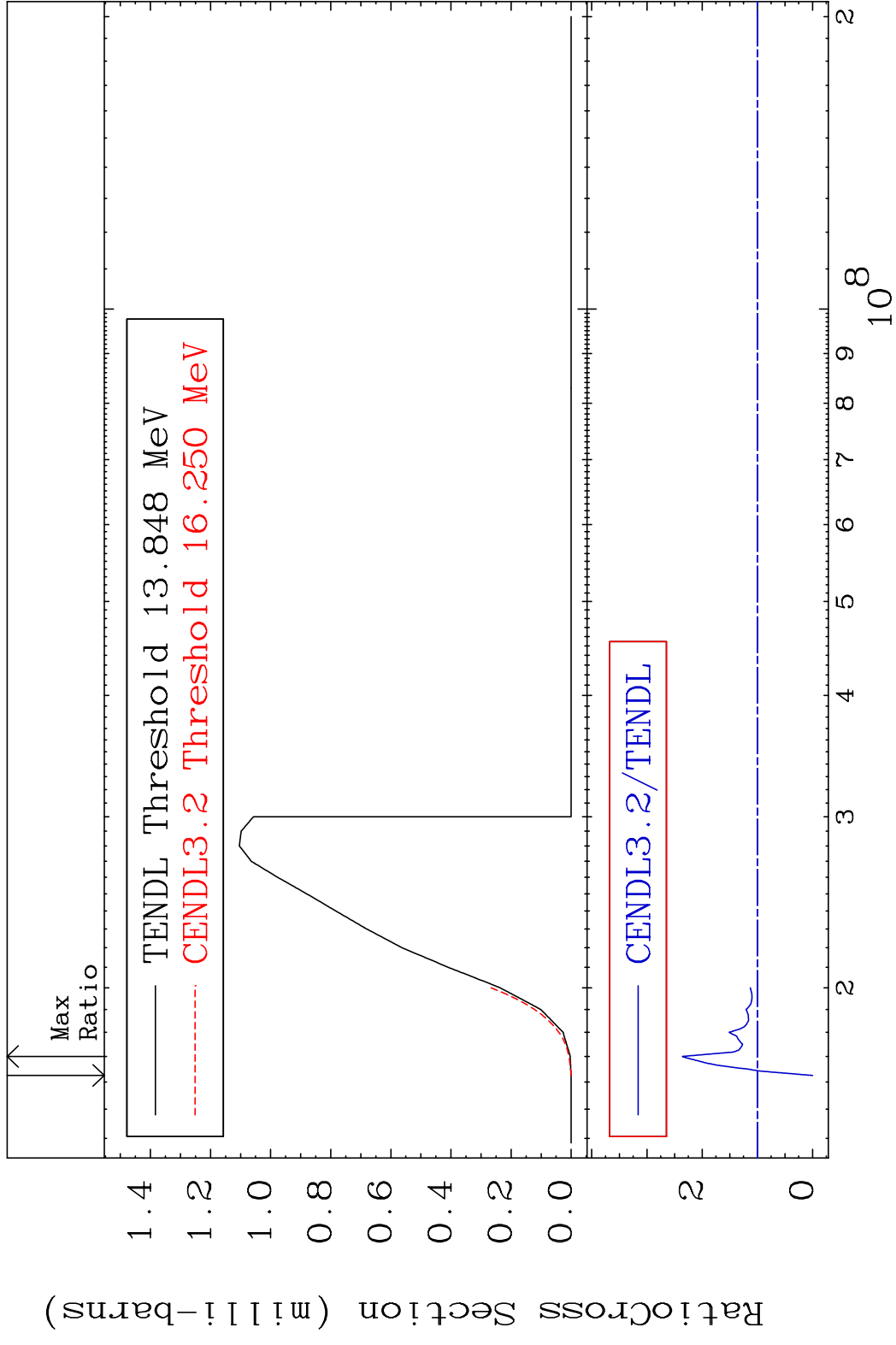


MAT 1428

(n,2p)

14-Si-29

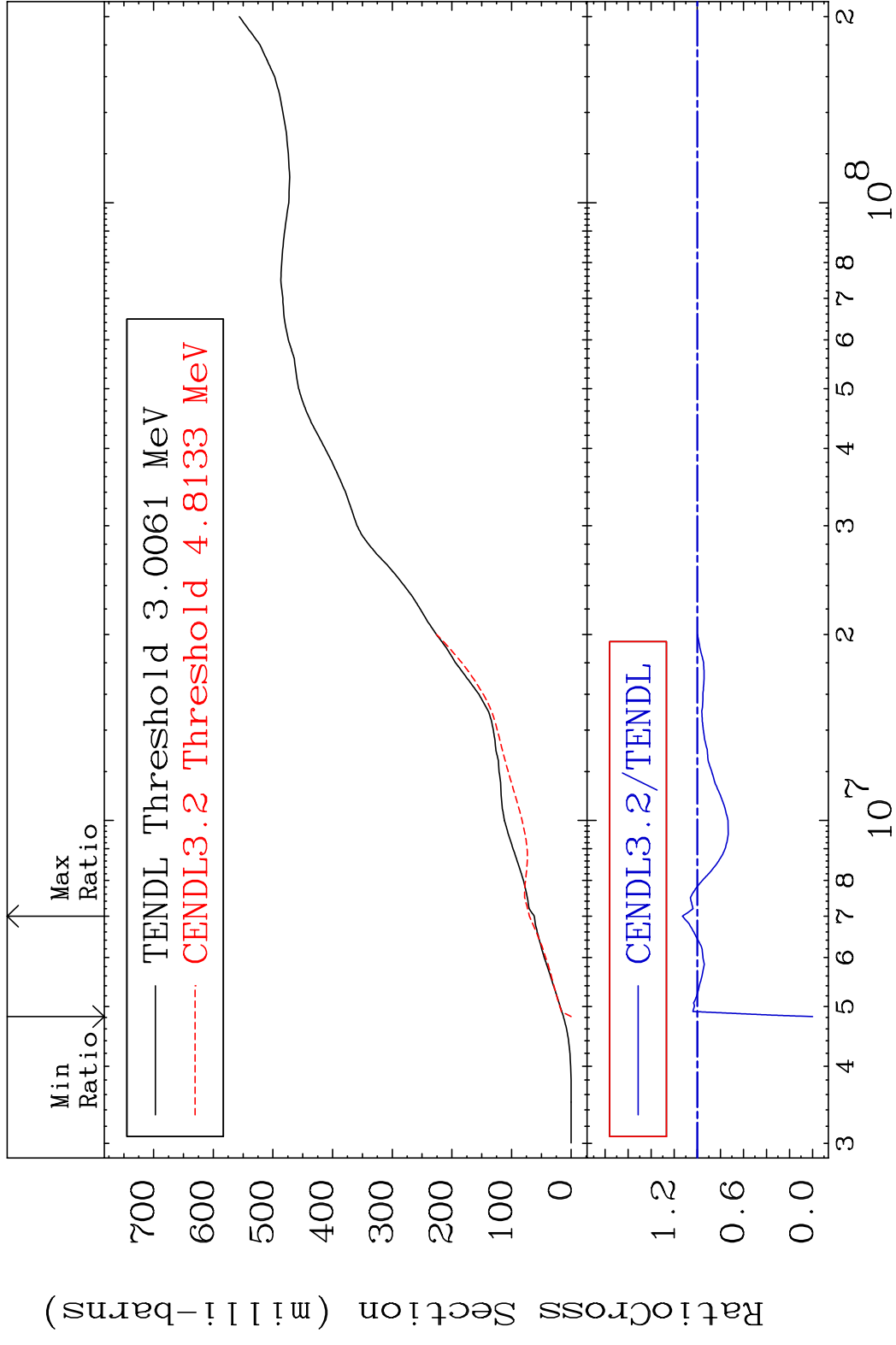
Cross Section -100.0 To 135.9 %



MAT 1428

Hydrogen Production
Cross Section -100.0 To 12.99 %

¹⁴Si-29



28

Incident Energy (eV)

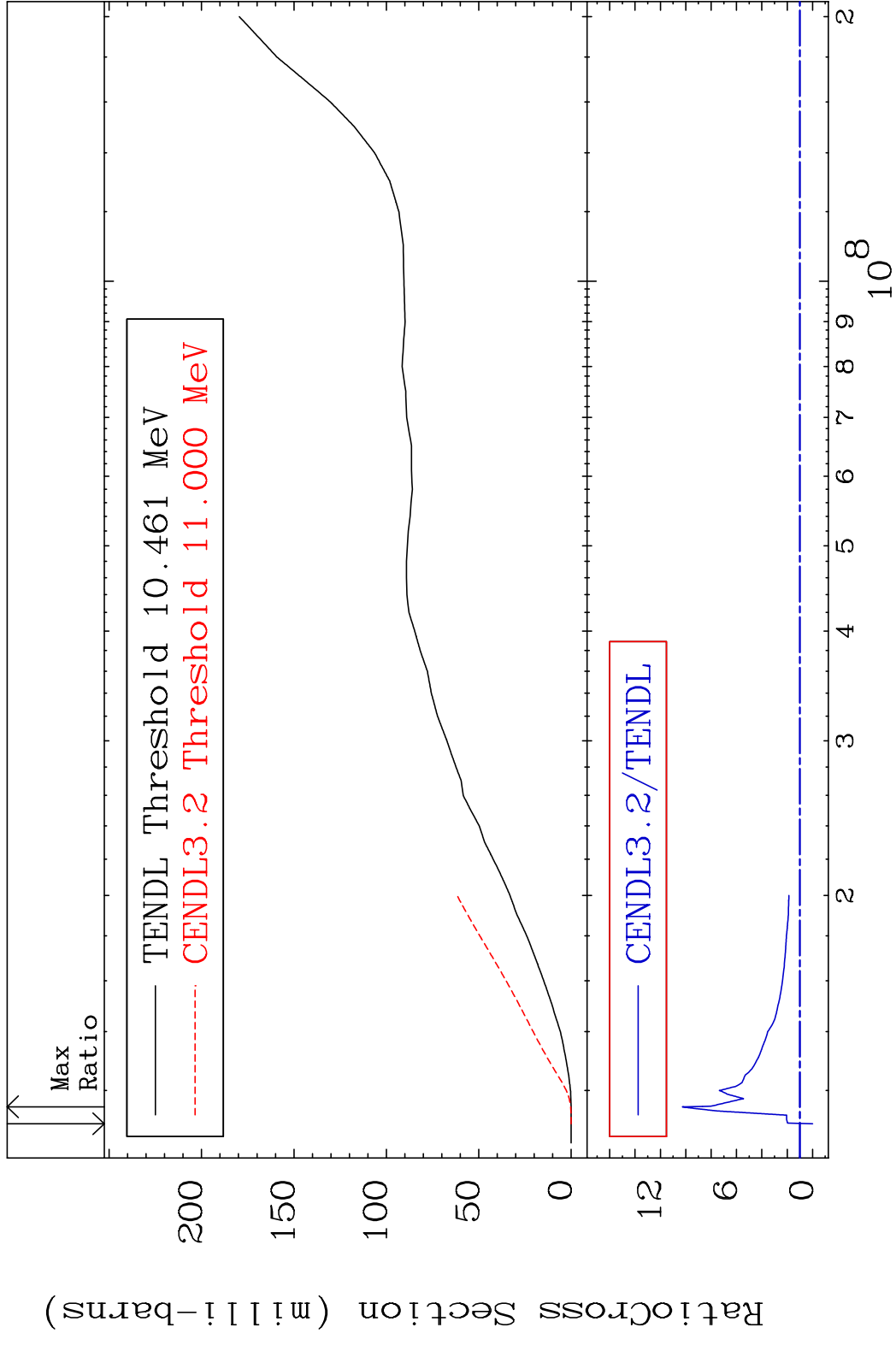
¹⁴Si-29

MAT 1428

Deuterium Production

¹⁴Si-29

Cross Section -100.0 To 926.9 %

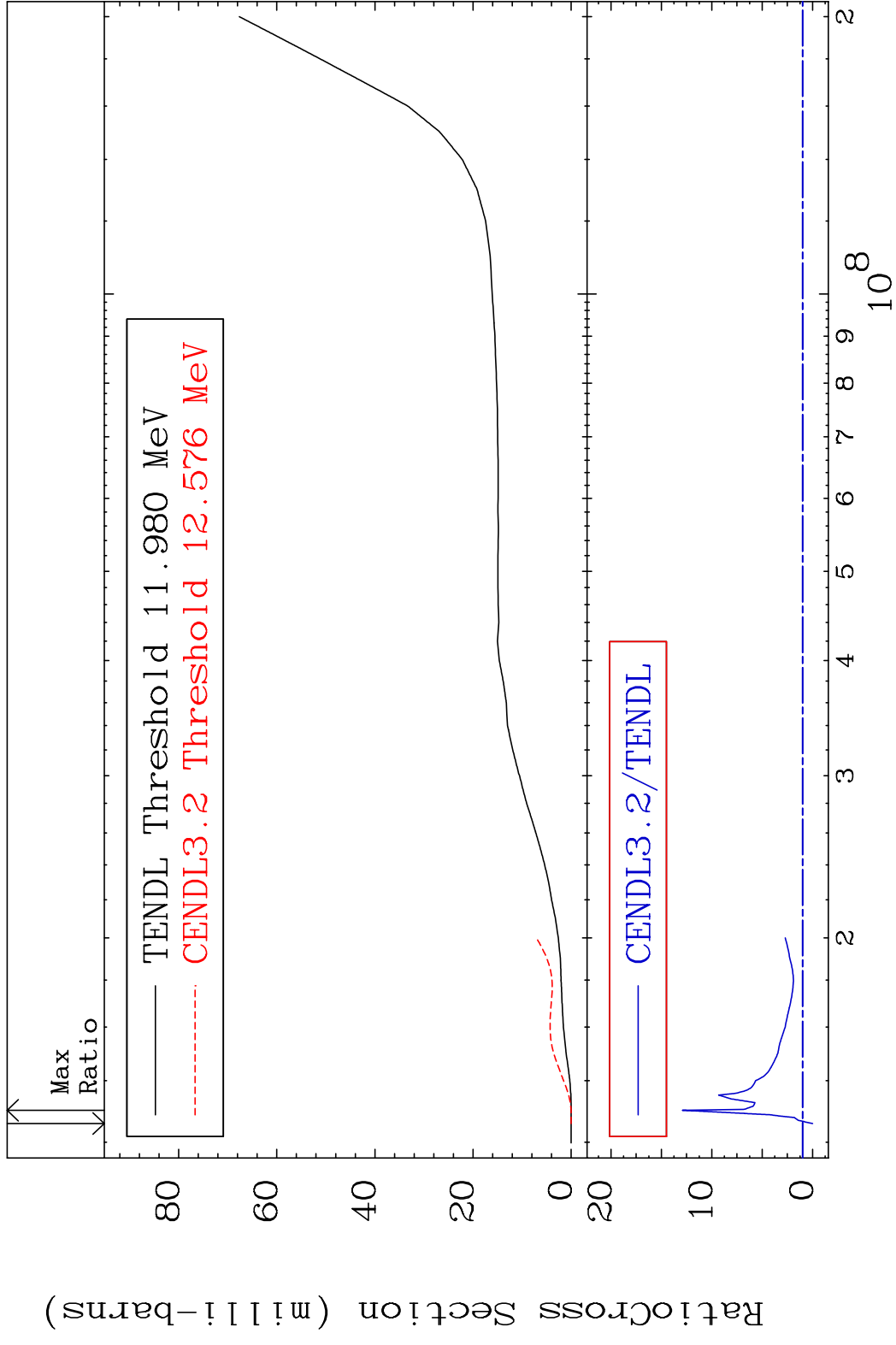


29

Incident Energy (eV)

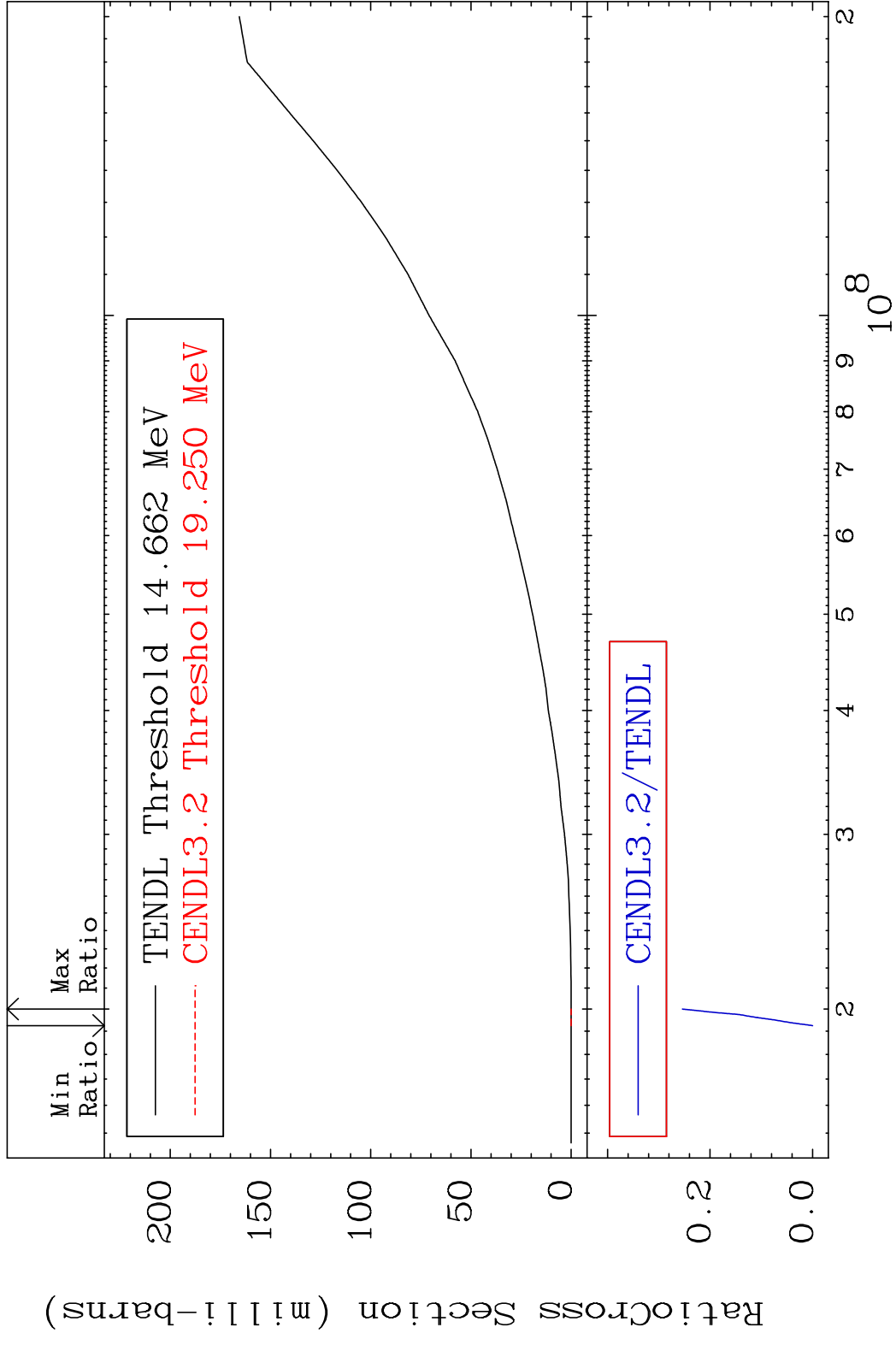
¹⁴Si-29

MAT 1428 Tritium Production 14-Si-29
 Cross Section -100.0 To 1192. %



30 Incident Energy (eV) 14-Si-29

Cross Section -100.0 To -74.60%

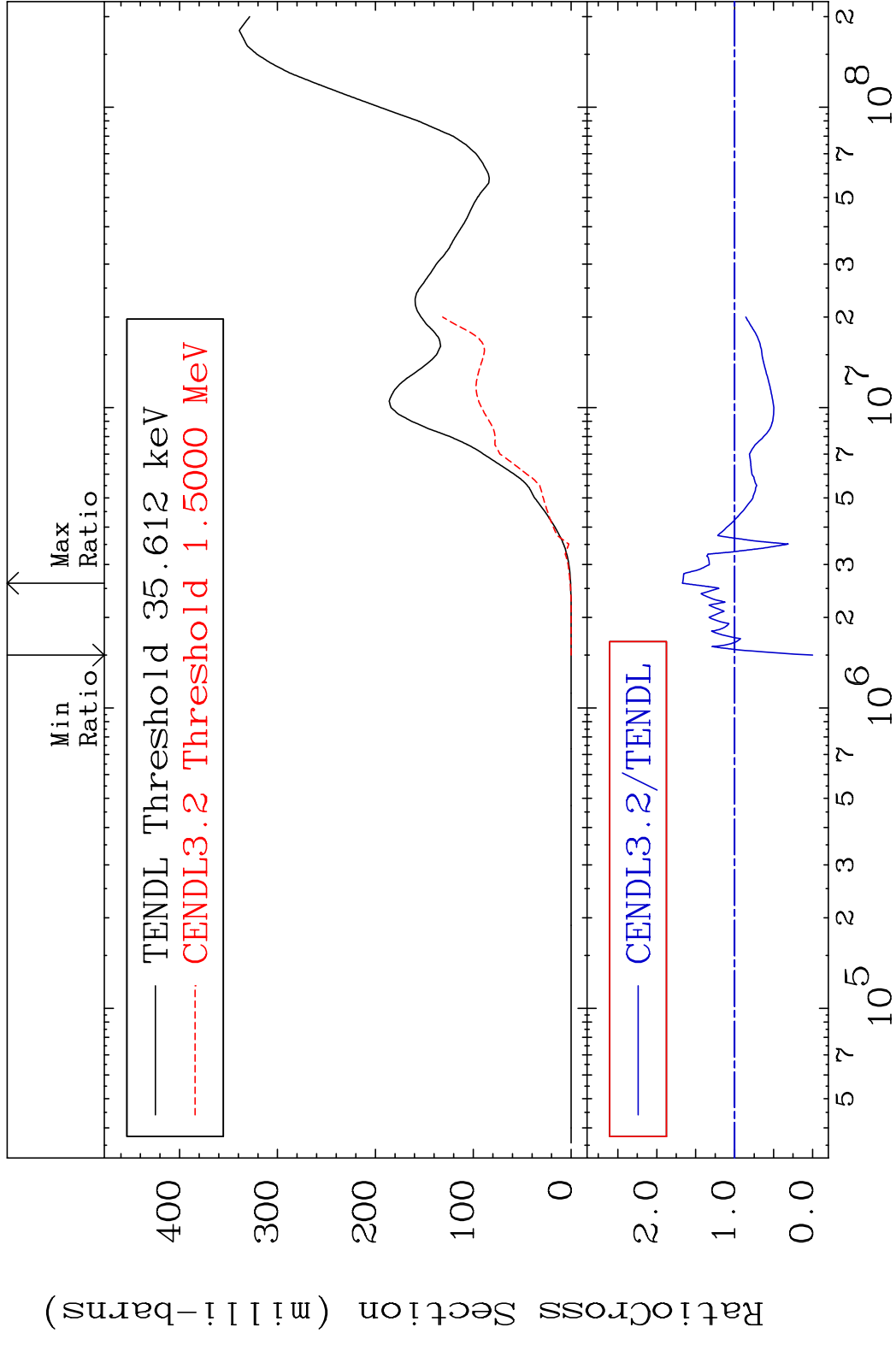


MAT 1428

He-4 Production

14-Si-29

Cross Section -100.0 To 67.12 %

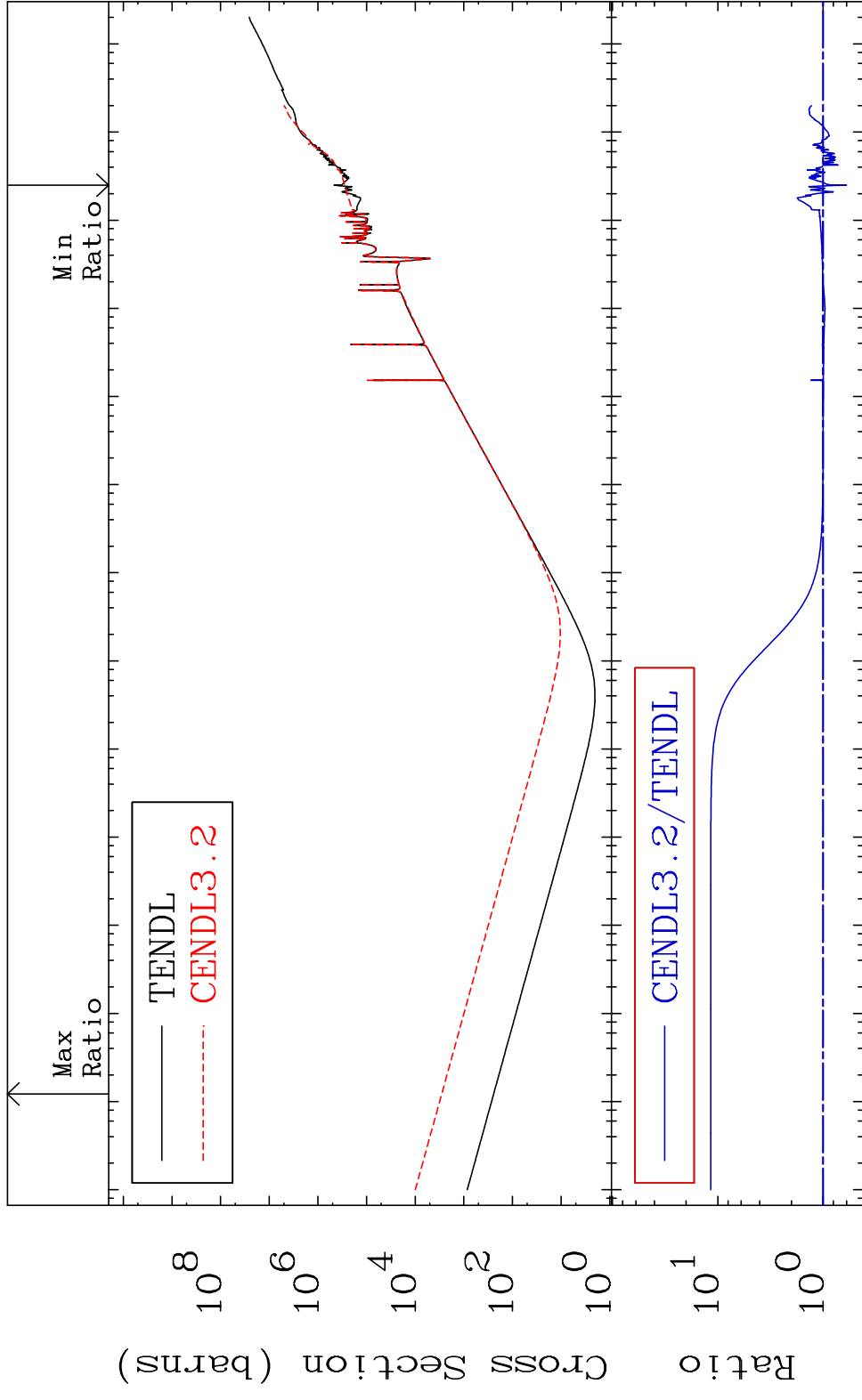


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Incident Energy (eV)

14-Si-29

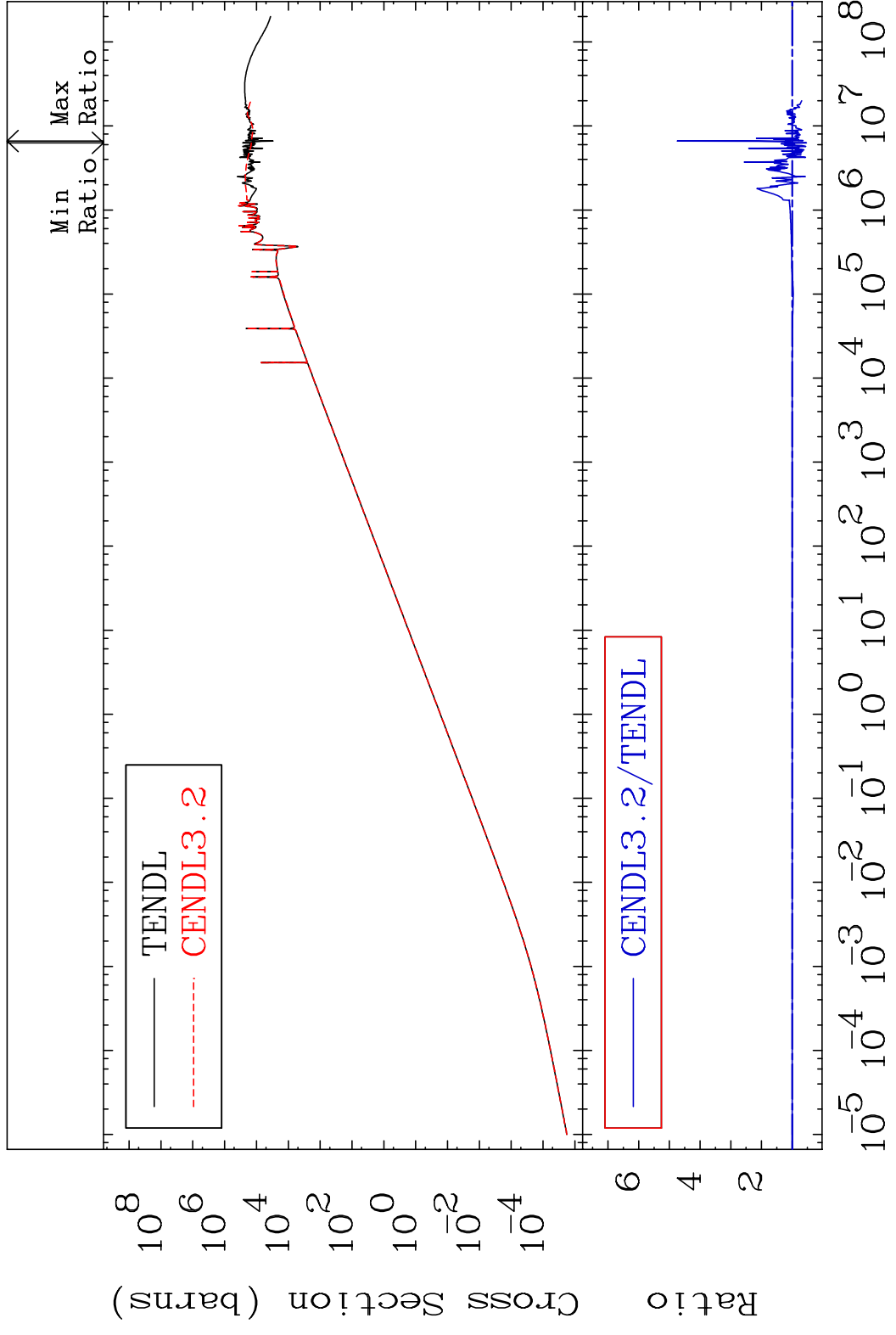
MAT 1428 Kerma total (eV-barns) 14-Si-29
 Cross Section -39.76 To 1068. %



MAT 1428

Kerma elastic
Cross Section

14-Si-29
-46.56 To 374.6 %

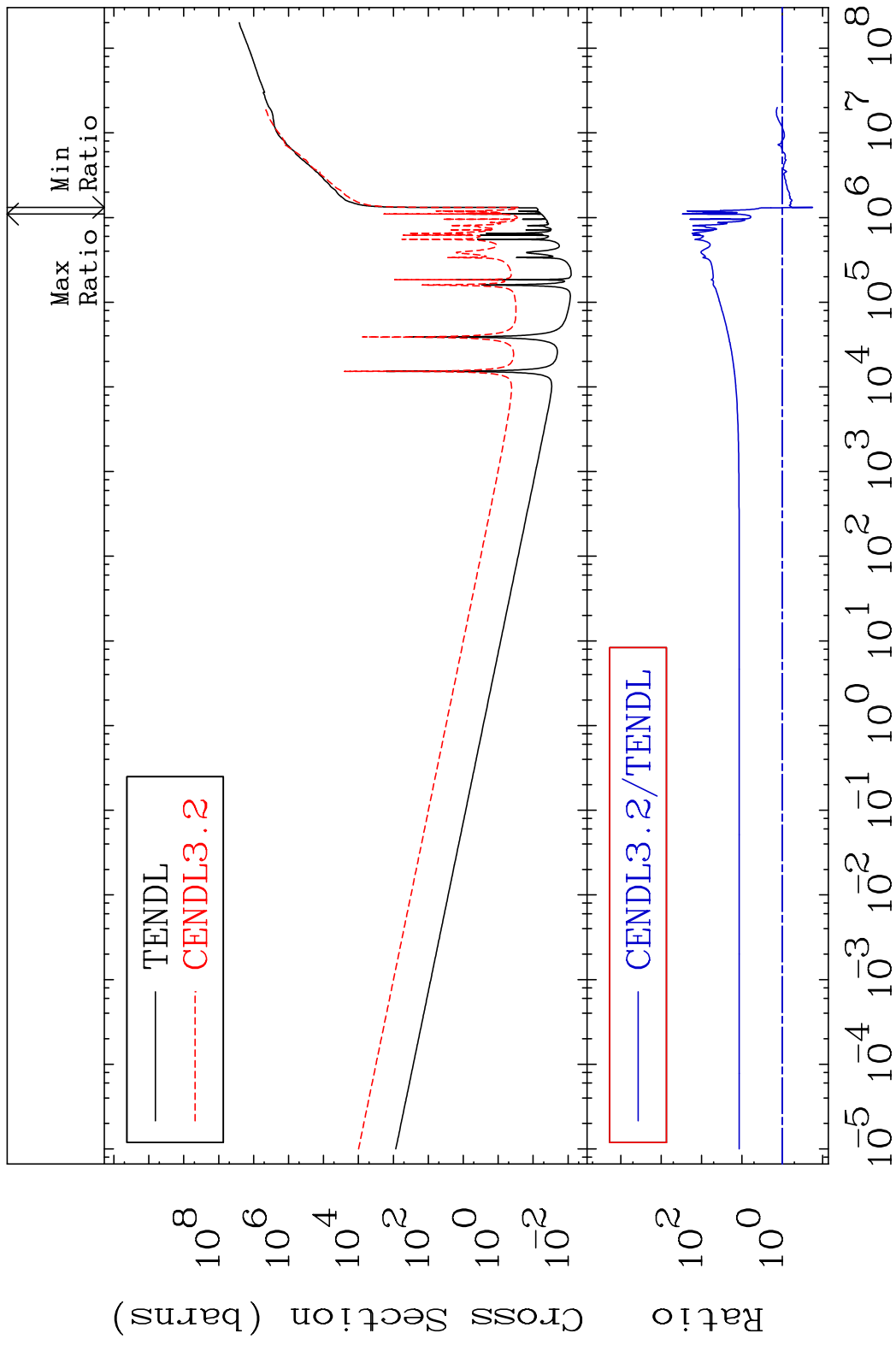


34

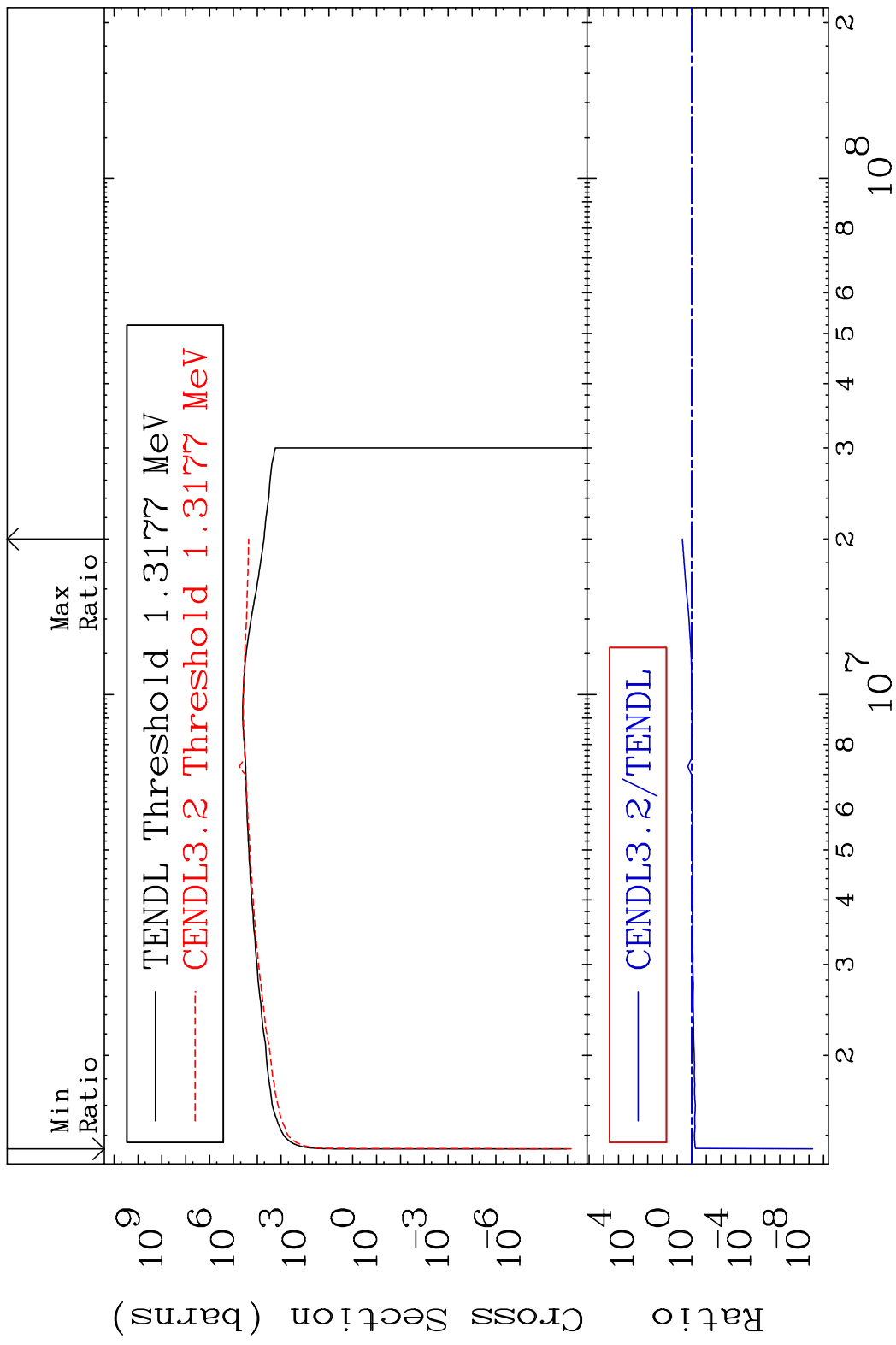
Incident Energy (eV)

14-Si-29

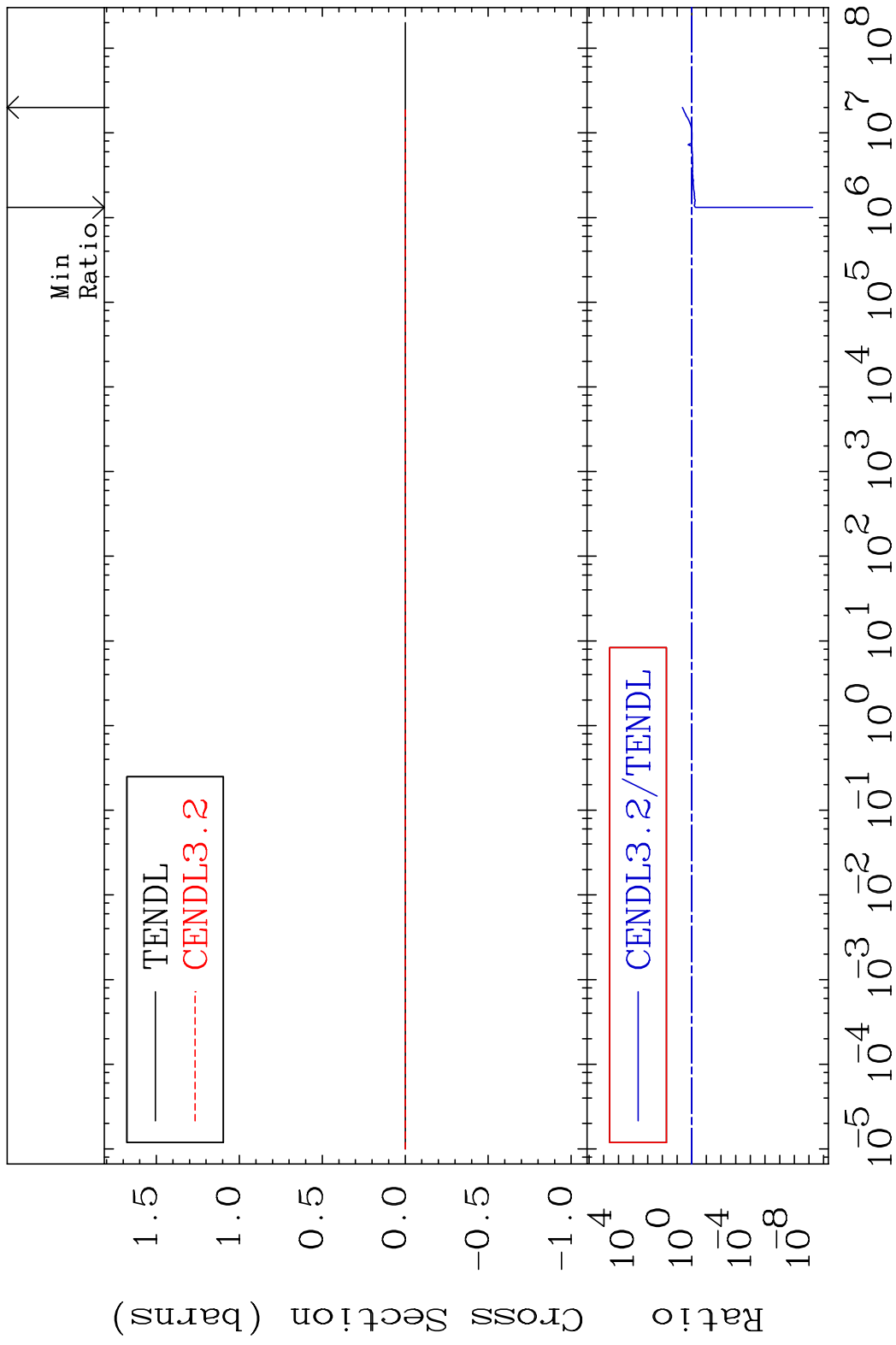
MAT 1428 Kerma non-elastic (all but mt2) 14-Si-29
 Cross Section -82.23 To 9999. %



MAT 1428 Kerma inelastic (mt51-91) 14-Si-29
 Cross Section -100.0 To 336.7 %

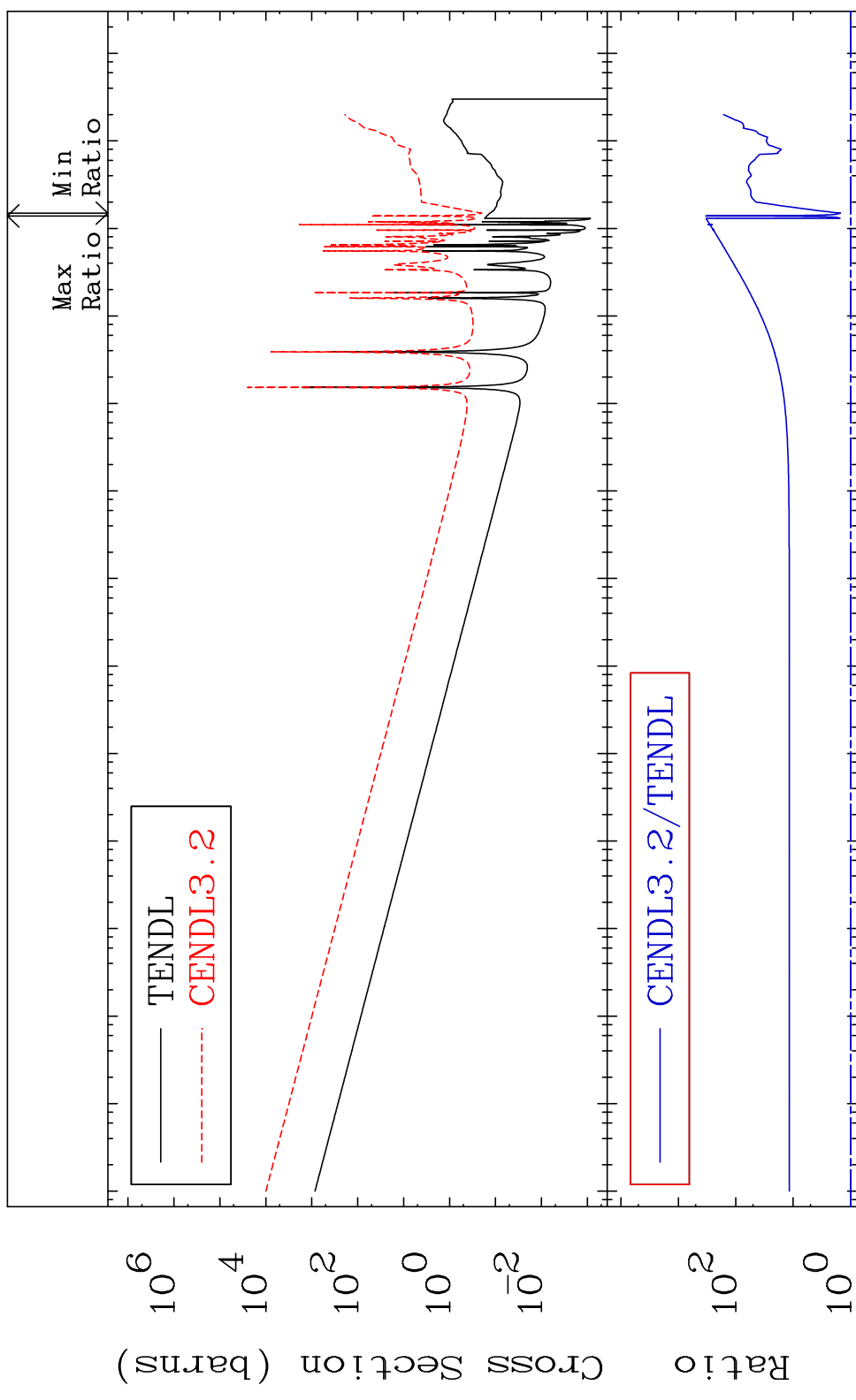


MAT 1428 Kerma fission (mt18 or mt19-20-21-38) 14-Si-29
 Cross Section -100.0 To 336.7 %



MAT 1428

Kerma capture (mt102) 14-Si-29
Cross Section 50.27 To 9999. %



38

Incident Energy (eV)

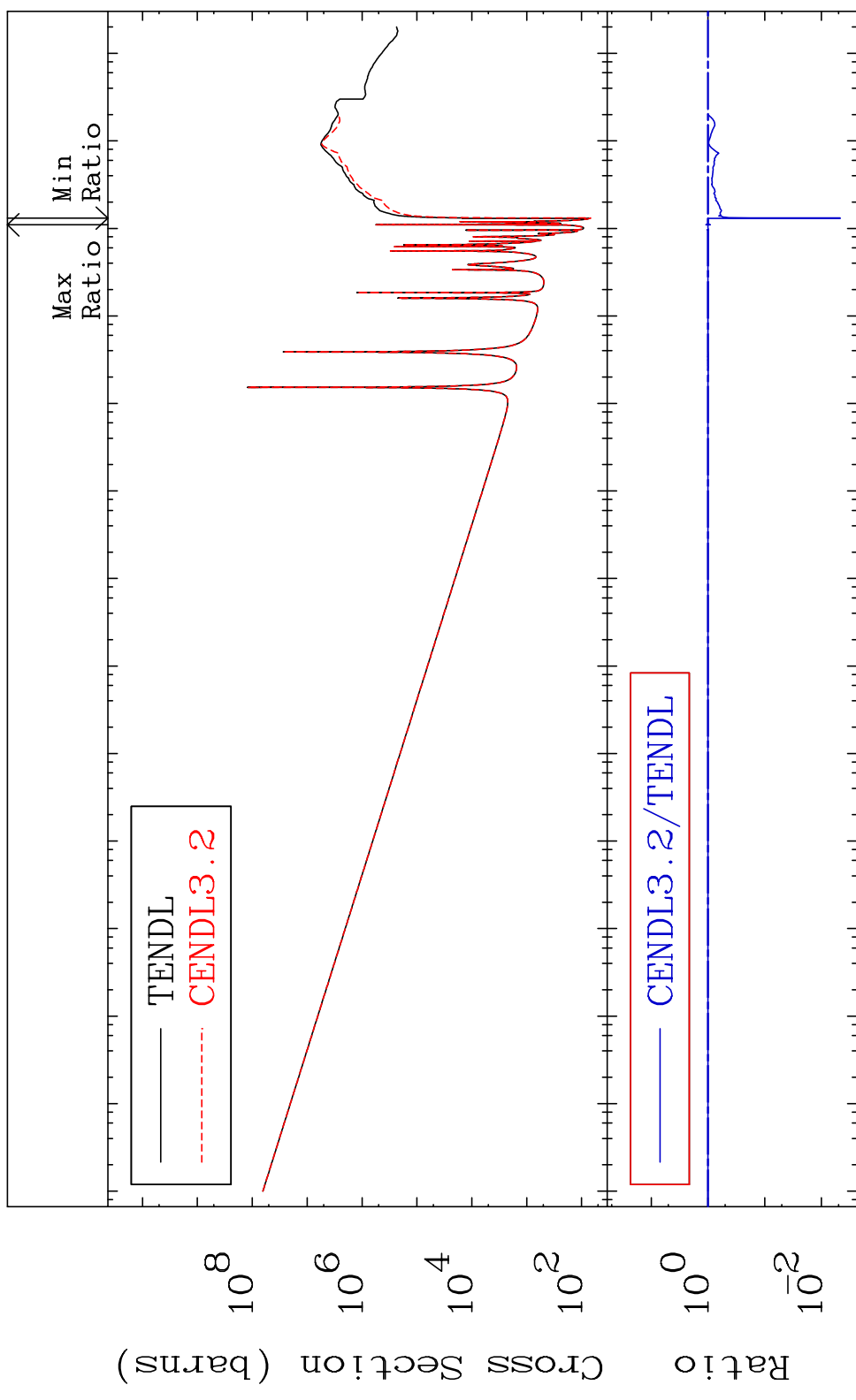
14-Si-29

MAT 1428

Total photon (eV-barns)

14-Si-29

Cross Section -99.54 To 9.670 %

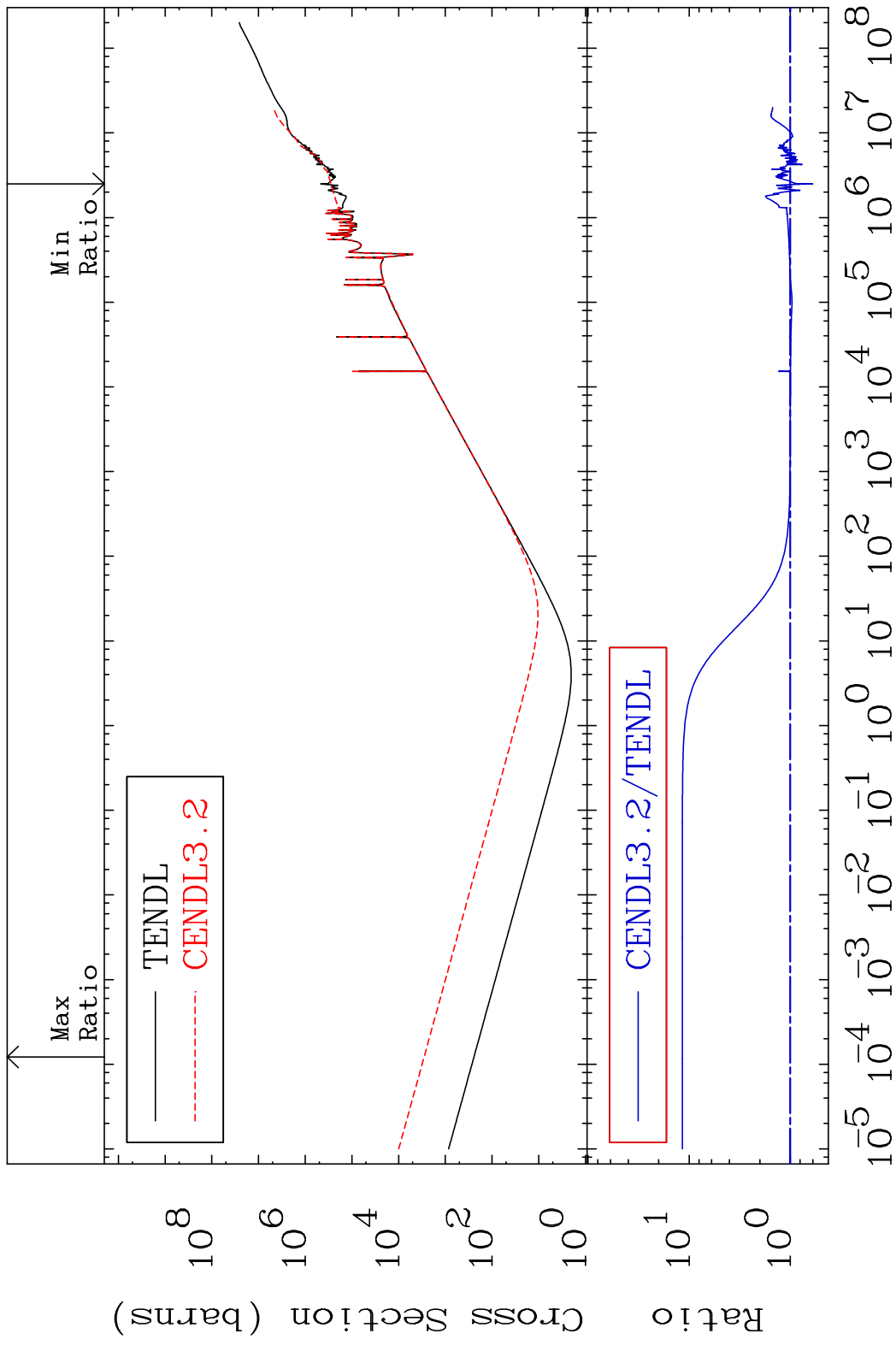


39

Incident Energy (eV)

14-Si-29

MAT 1428 Total kinematic kerma (high limit) 14-Si-29
 Cross Section -39.73 To 1068. %



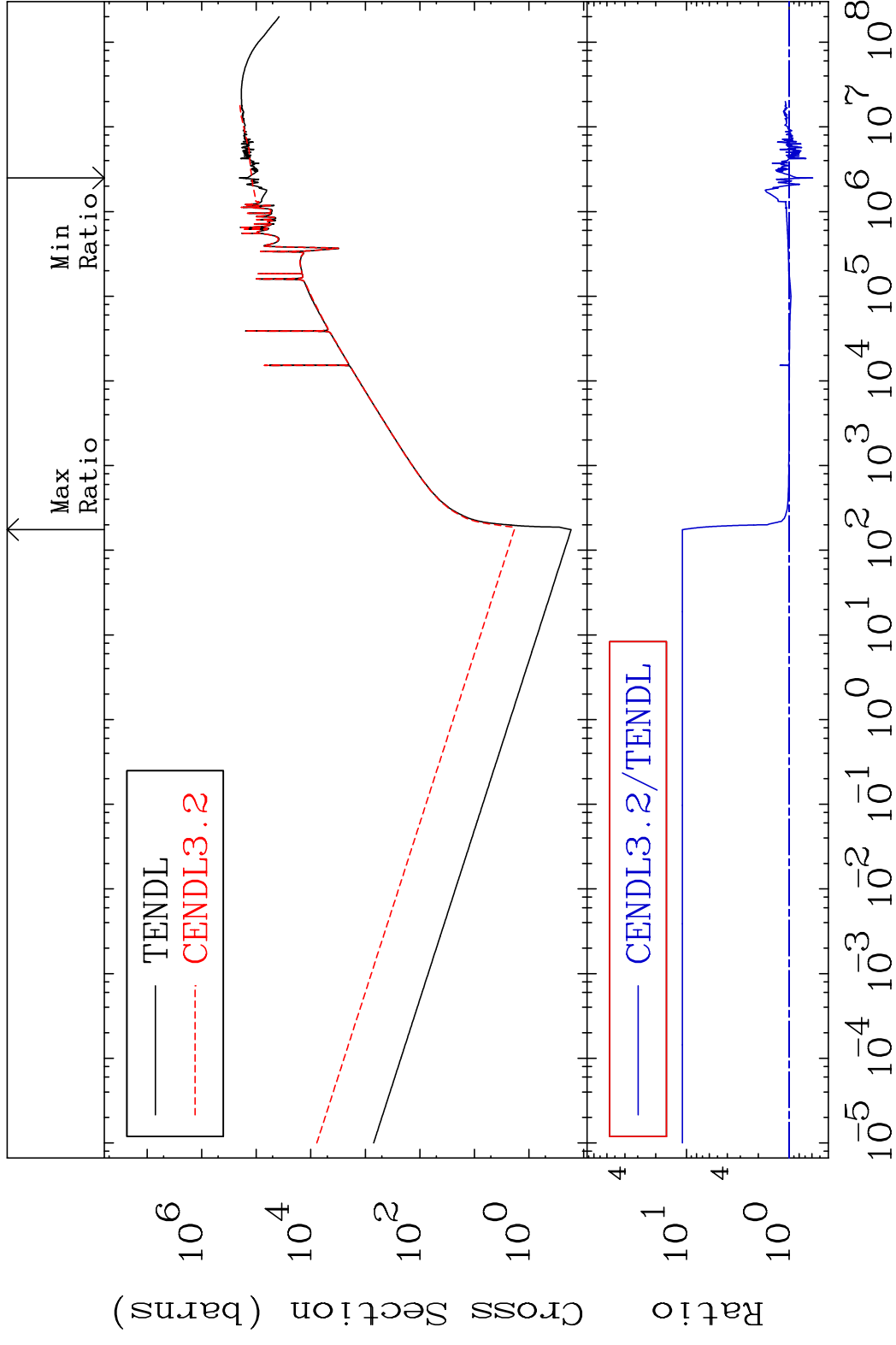
40 Incident Energy (eV) 14-Si-29

MAT 1428

Dpa total (eV-barns)

14-Si-29

Cross Section -40.91 To 1000. %

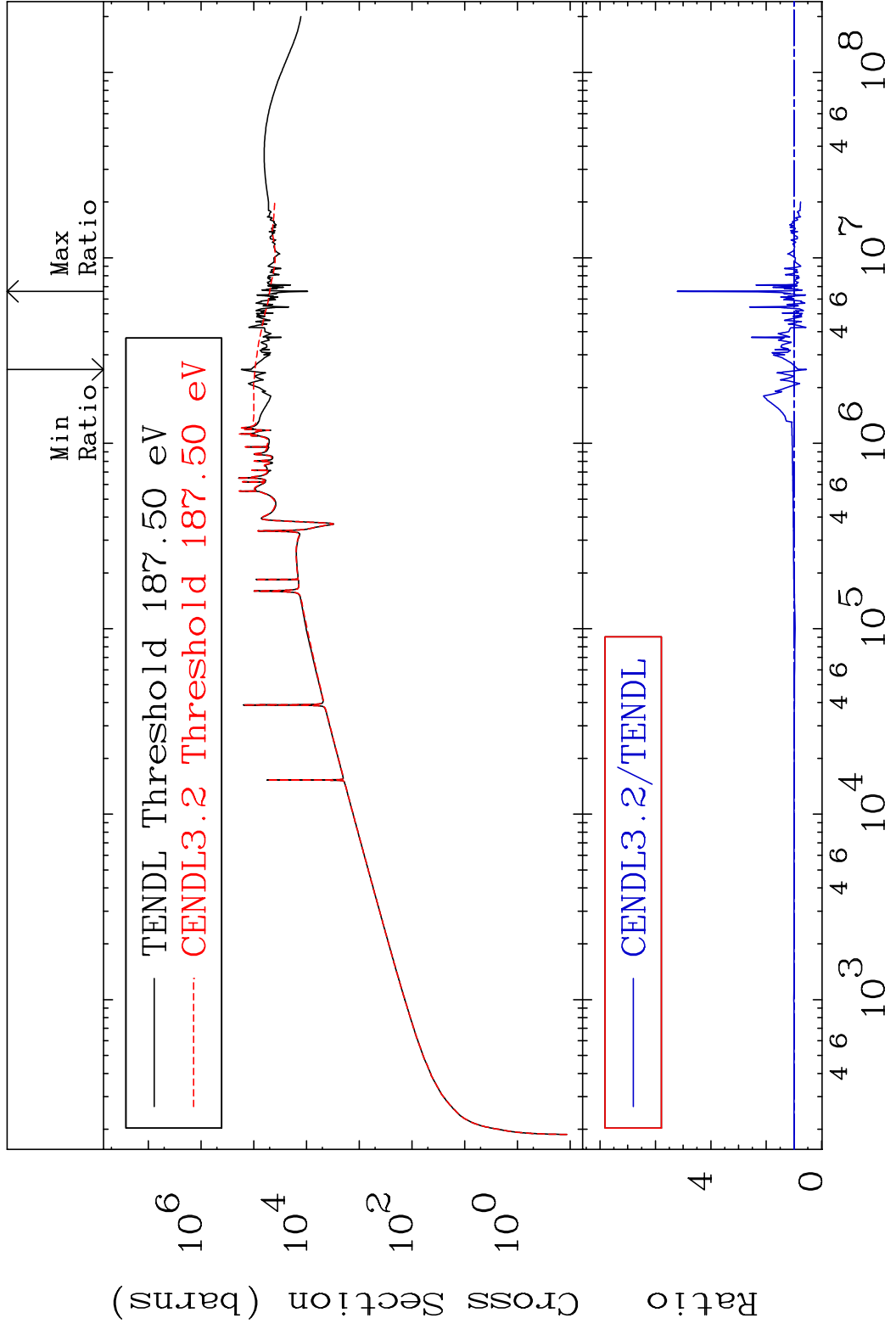


41

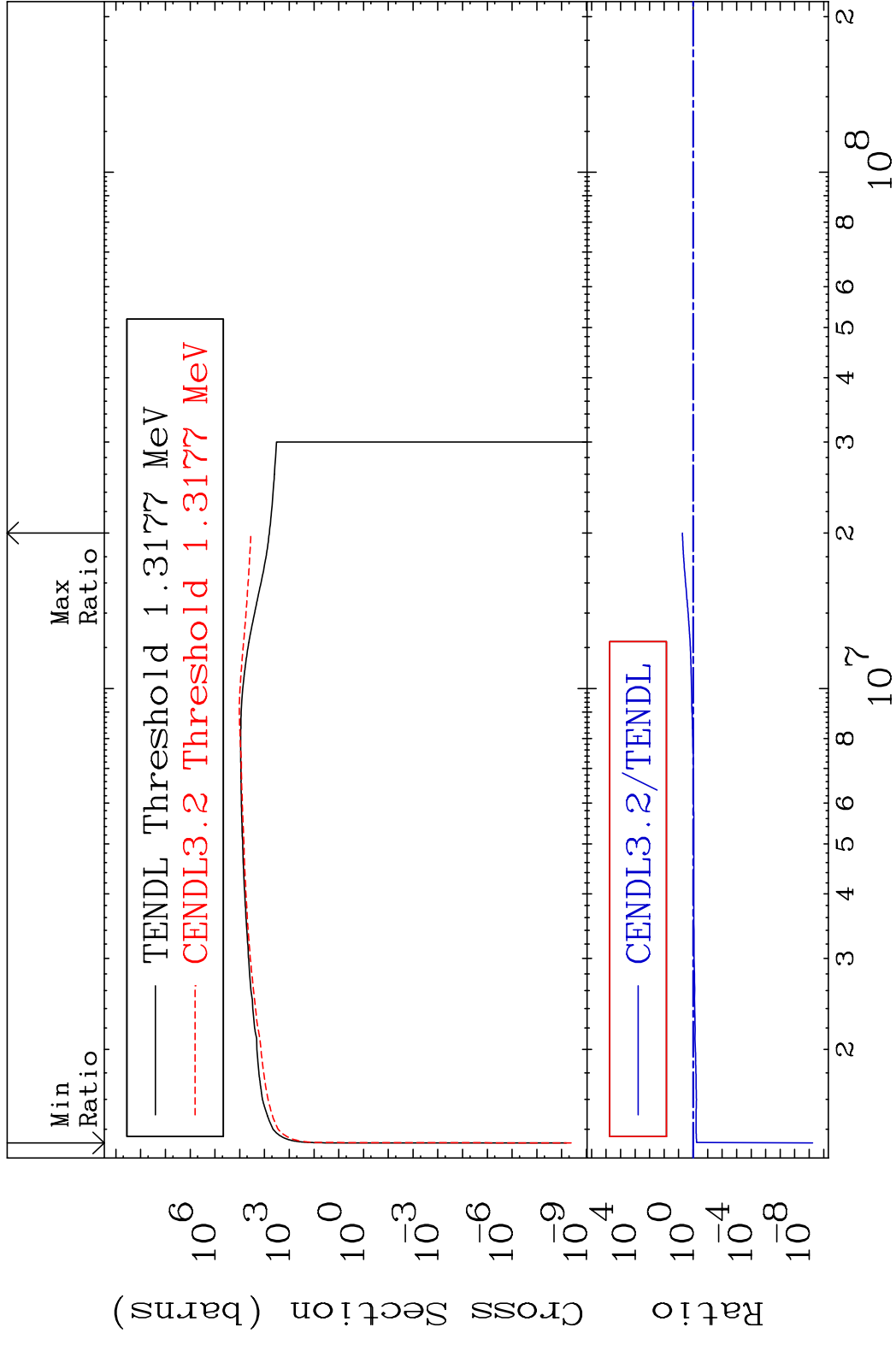
Incident Energy (eV)

14-Si-29

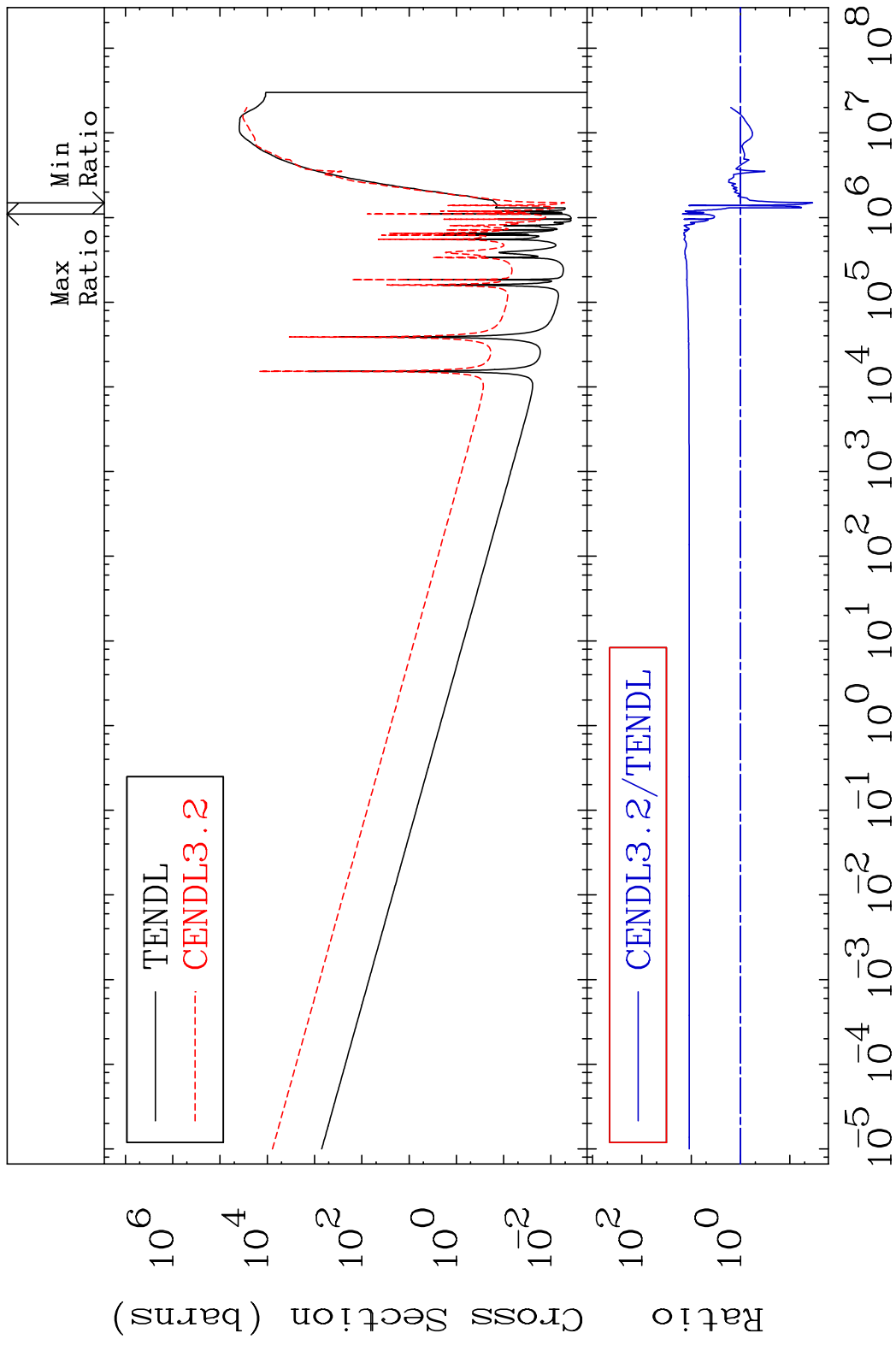
MAT 1428 Dpa elastic (mt2) 14-Si-29
 Cross Section -44.83 To 421.6 %



MAT 1428 Dpa inelastic (mt51-91) 14-Si-29
 Cross Section -100.0 To 451.6 %



MAT 1428 Dpa disappearance (mt102 -120) 14-Si-29
 Cross Section -96.54 To 1411. %

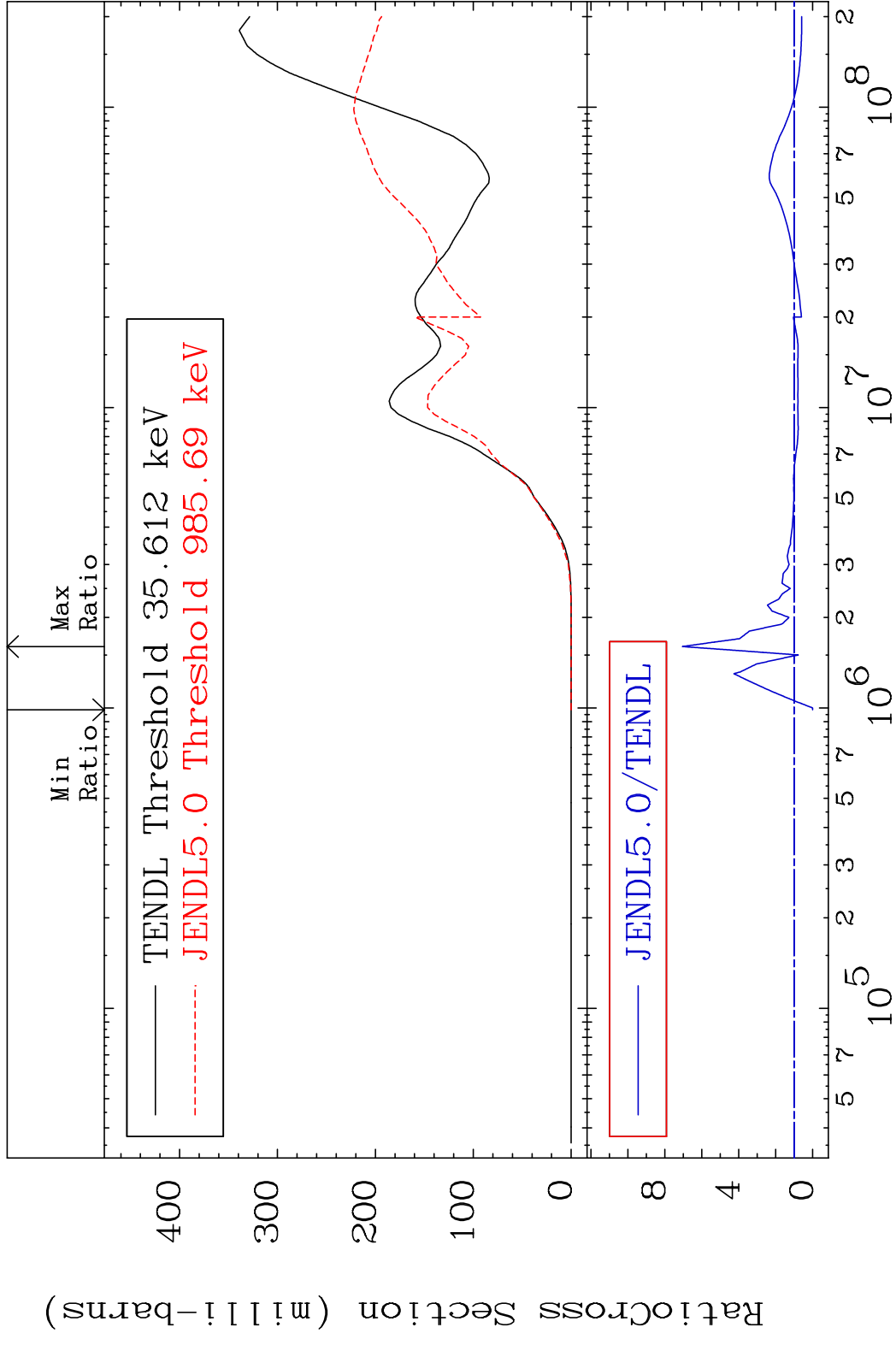


MAT 1428

He-4 Production

¹⁴Si-29

Cross Section -100.0 To 605.3 %



45

Incident Energy (eV)

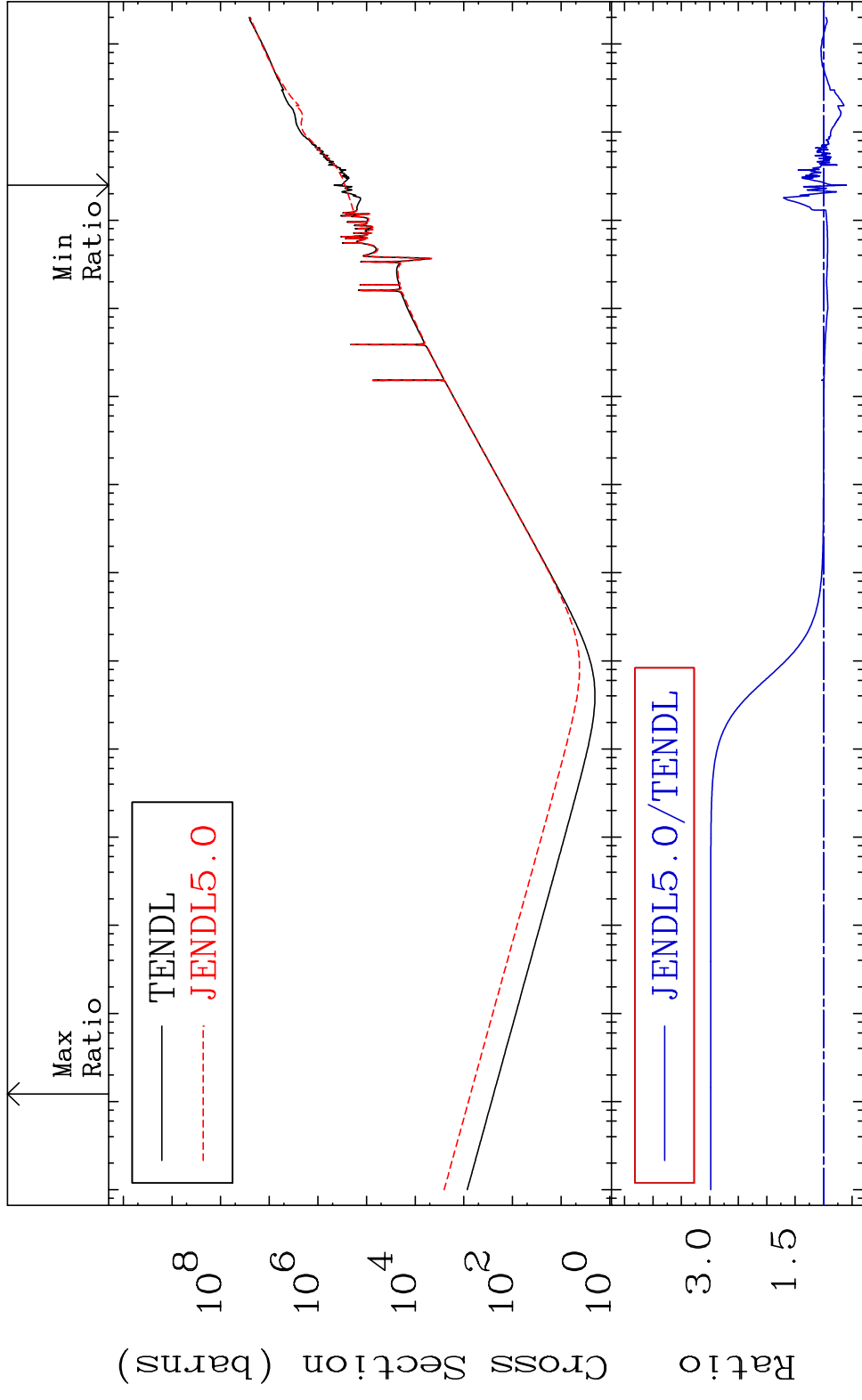
¹⁴Si-29

MAT 1428

Kerma total (eV-barns)

14-Si-29

Cross Section -40.06 To 198.4 %



46

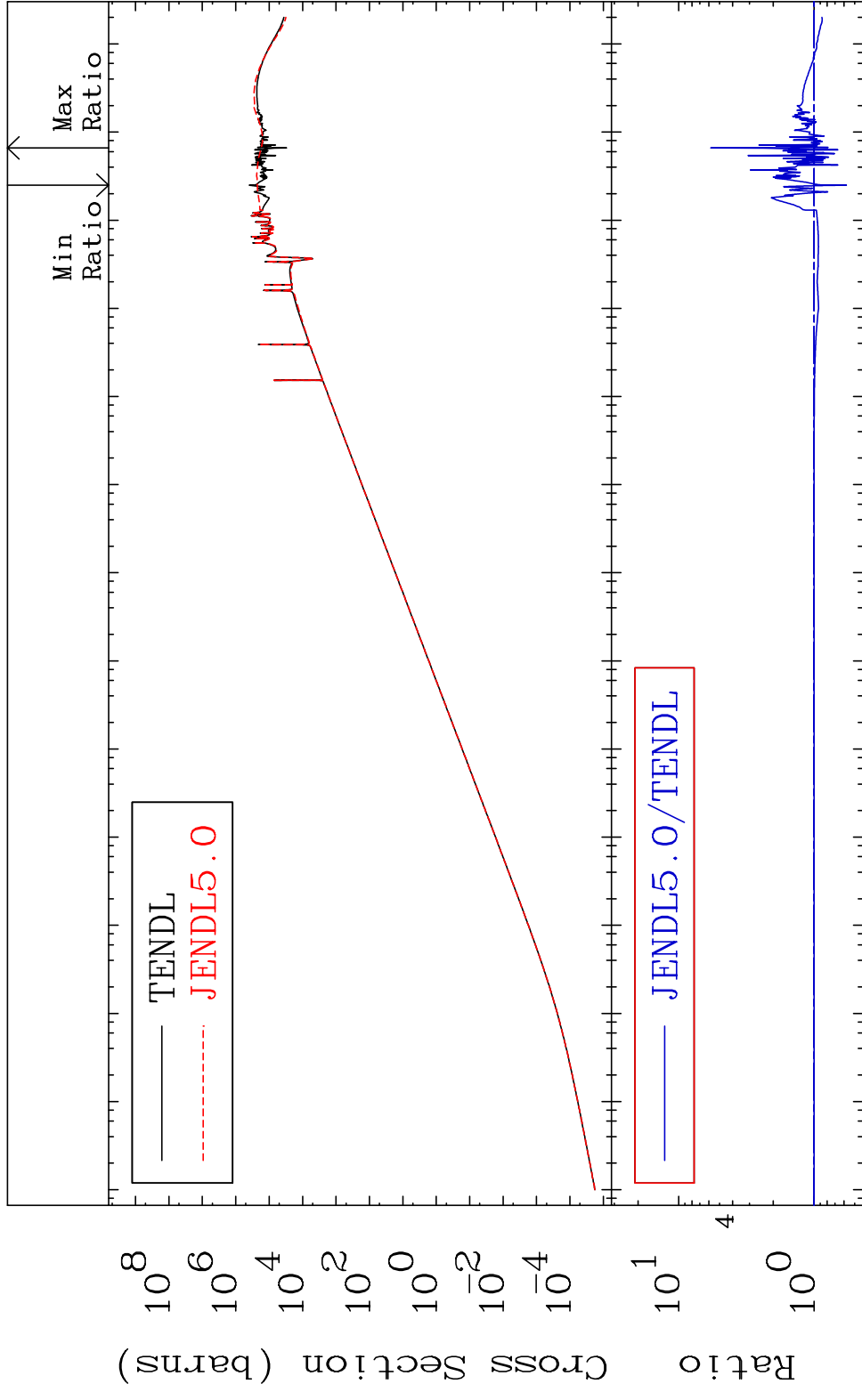
Incident Energy (eV)

14-Si-29

MAT 1428

Kerma elastic
Cross Section -42.31 To 480.6 %

14-Si-29

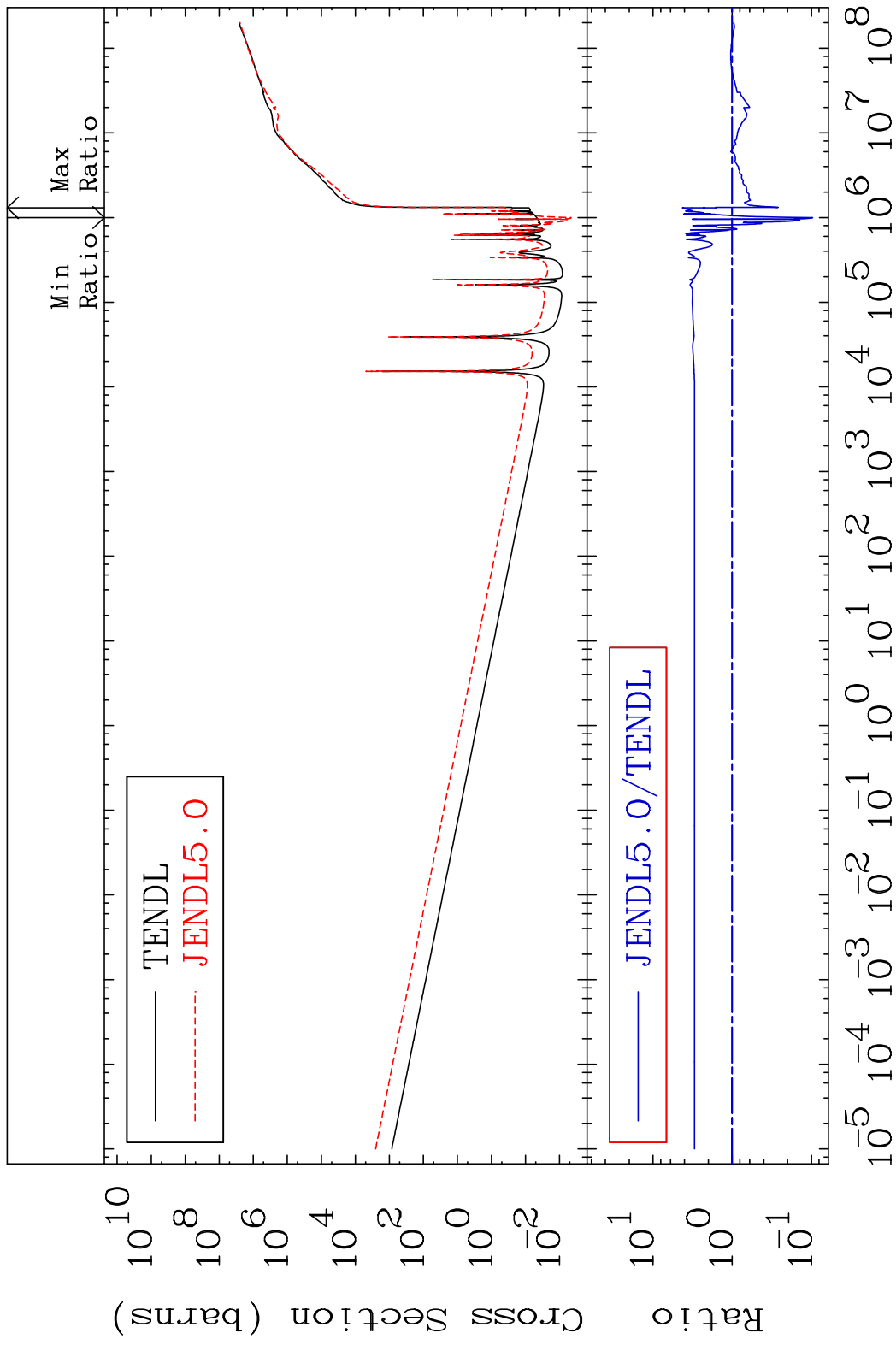


47

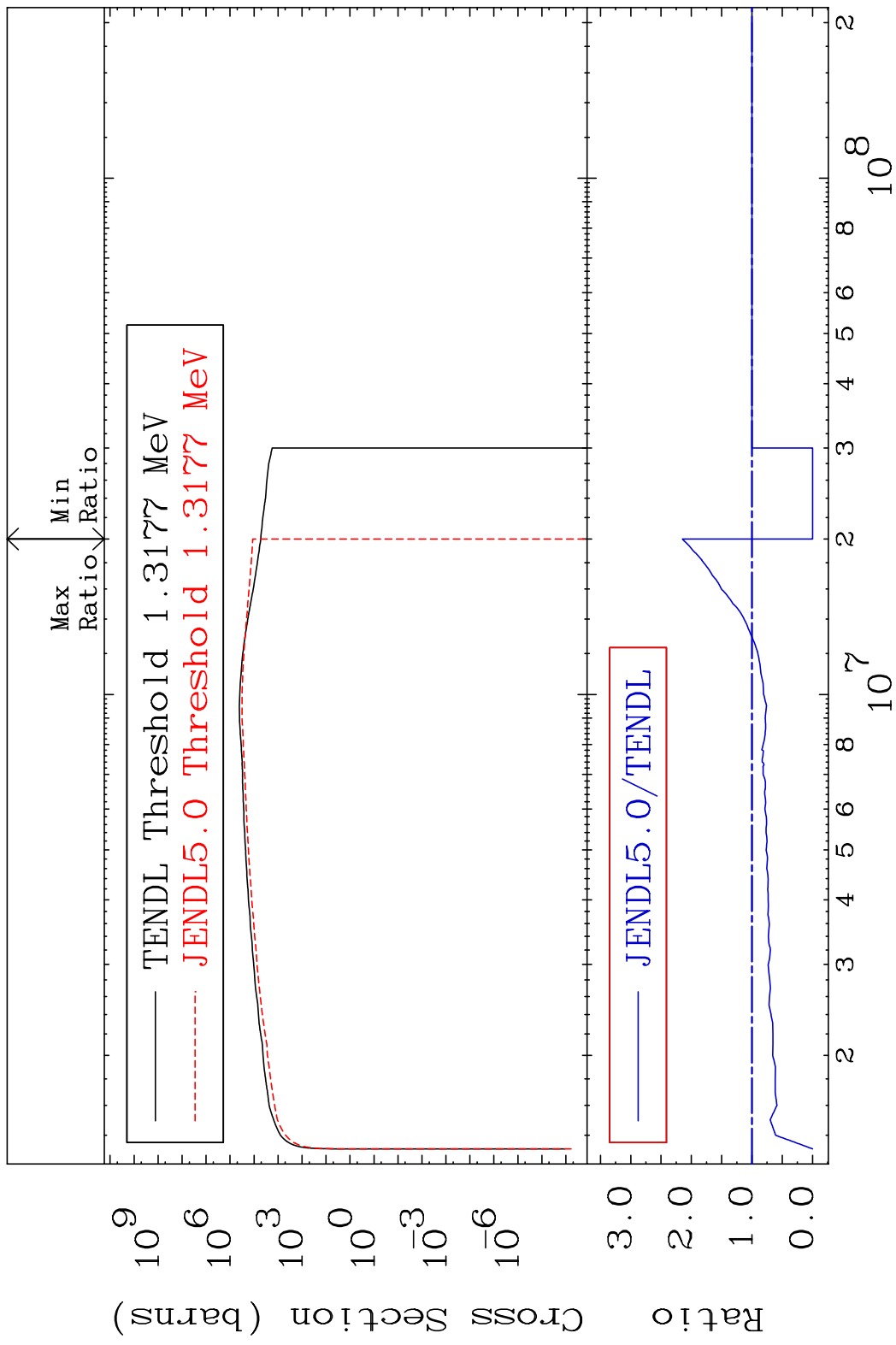
Incident Energy (eV)

14-Si-29

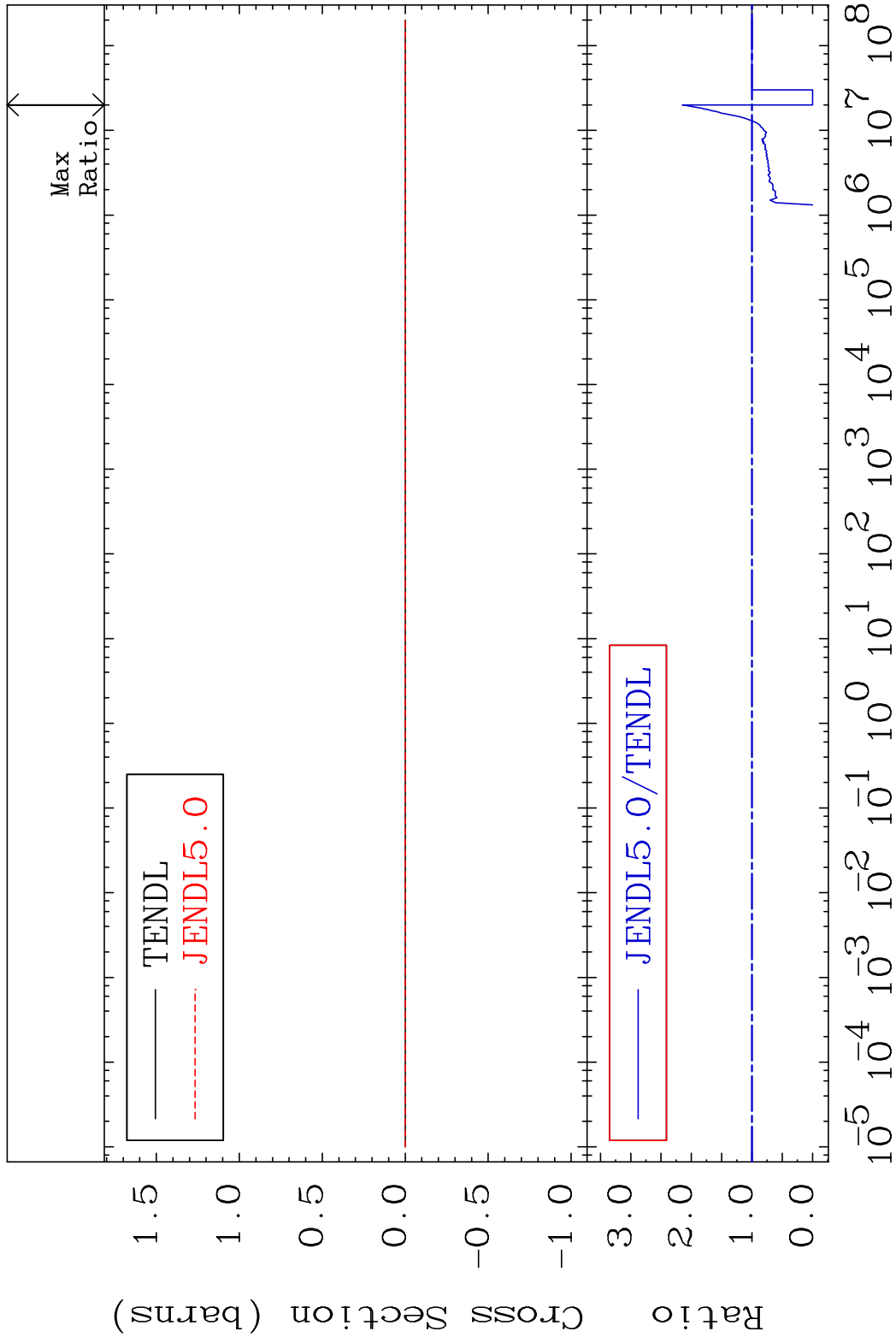
MAT 1428 Kerma non-elastic (all but mt2) 14-Si-29
 Cross Section -90.33 To 325.9 %



MAT 1428 Kerma inelastic (mt51-91) 14-Si-29
 Cross Section -100.0 To 114.8 %



MAT 1428 Kerma fission (mt18 or mt19-20-21-38) 14-Si-29
 Cross Section -100.0 To 114.8 %

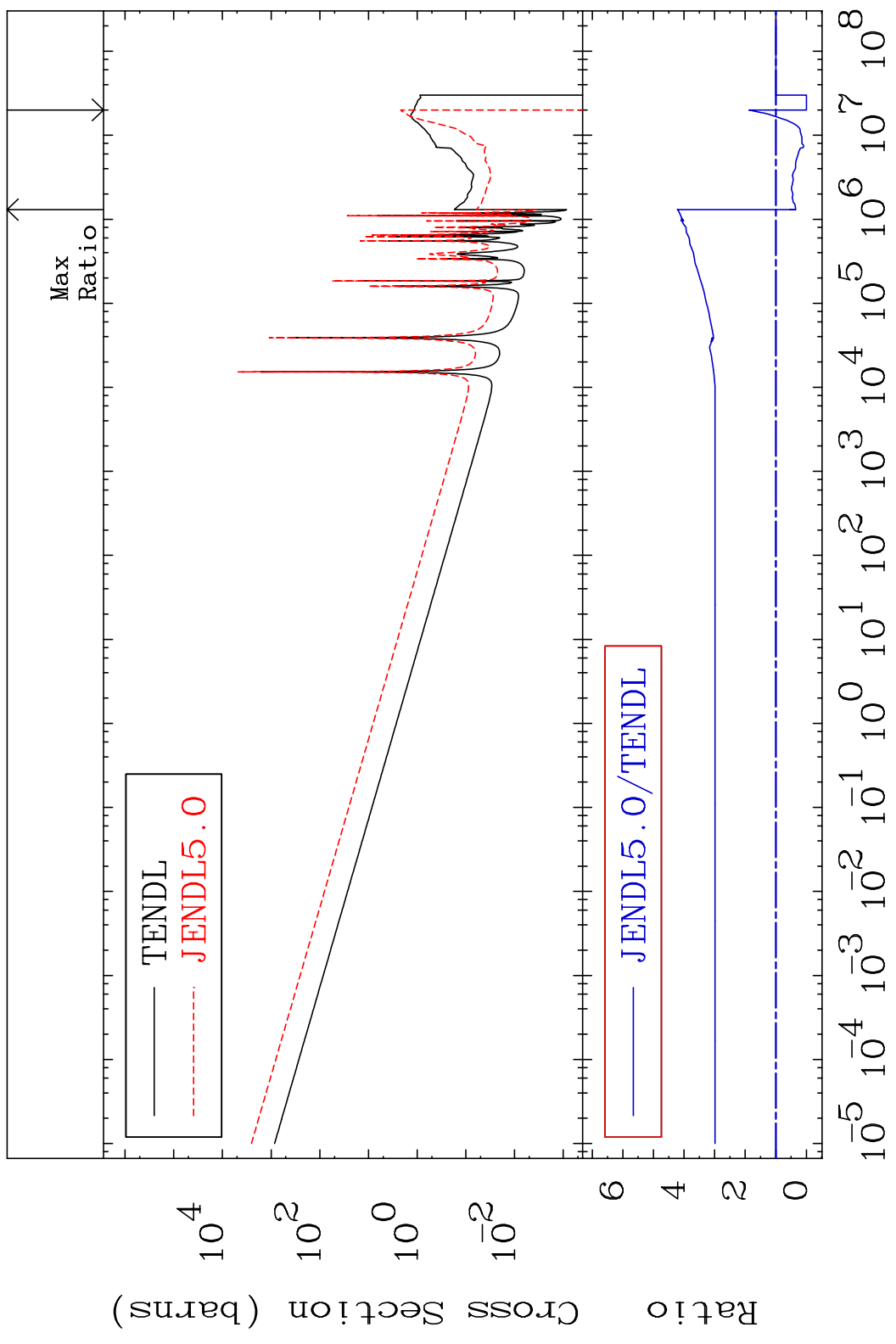


MAT 1428

Kerma capture (mt102)

14-Si-29

Cross Section -100.0 To 322.4 %



51

Incident Energy (eV)

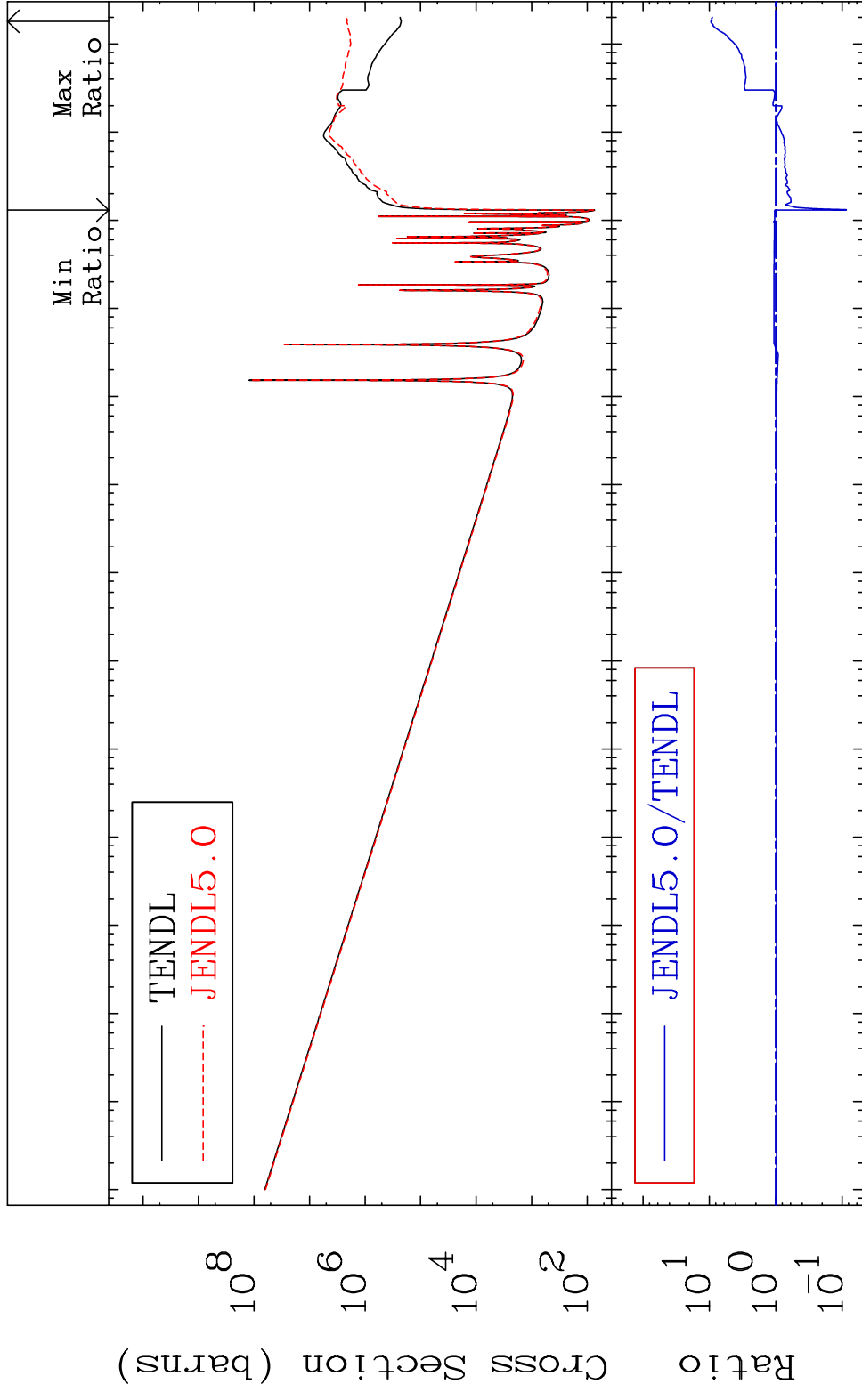
14-Si-29

MAT 1428

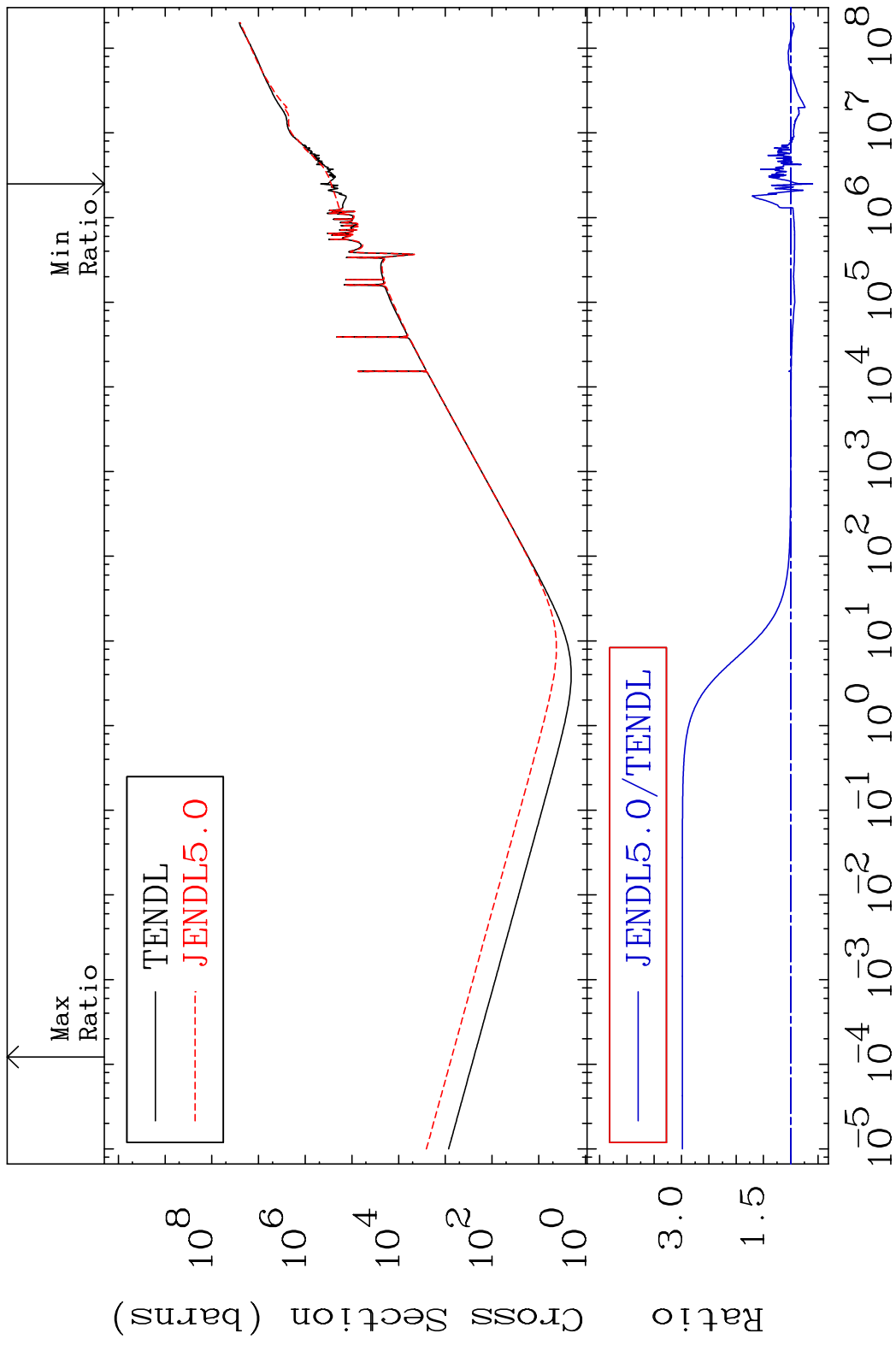
Total photon (eV-barns)

14-Si-29

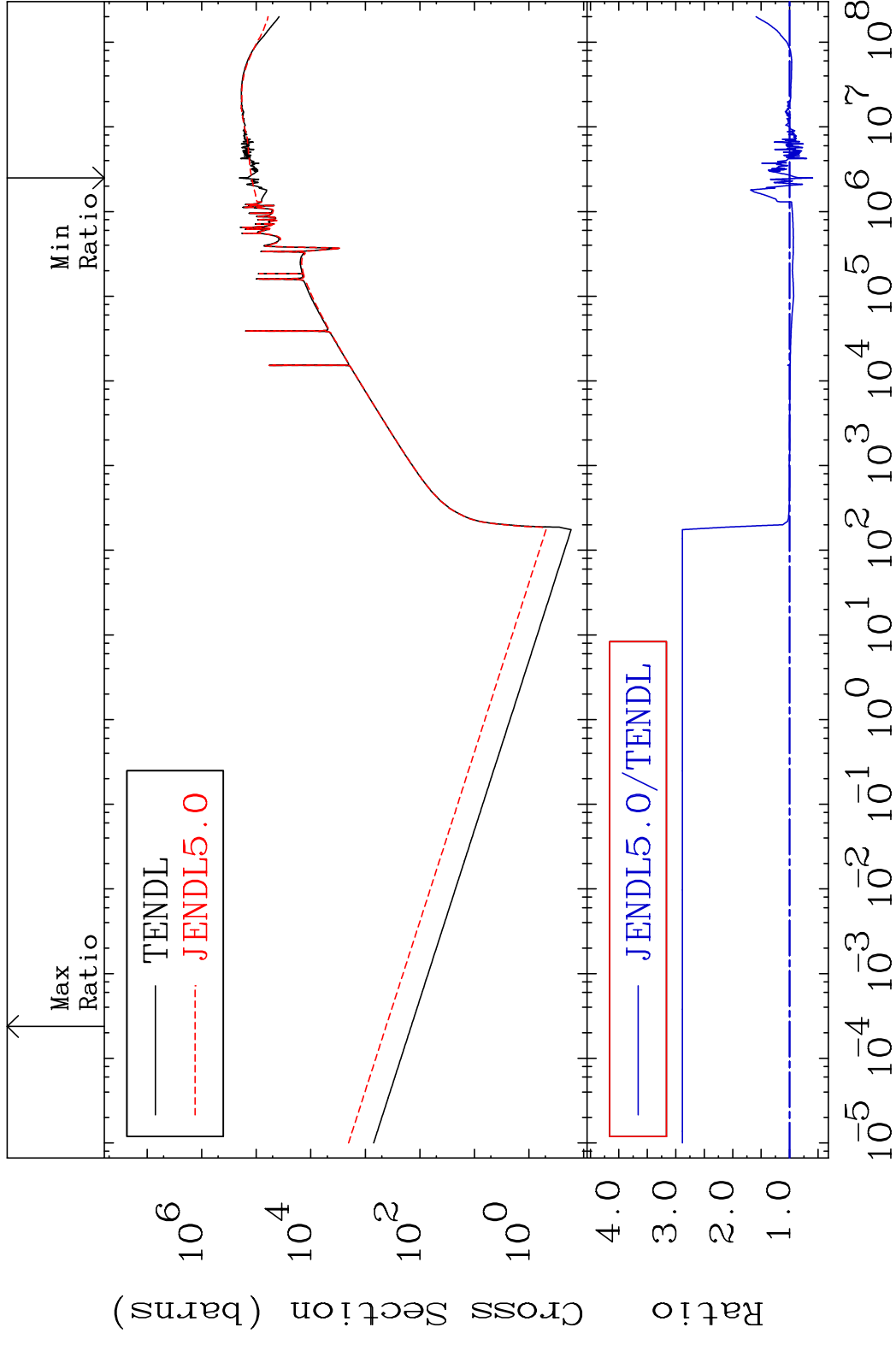
Cross Section -91.37 To 855.6 %



MAT 1428 Total kinematic kerma (high limit) 14-Si-29
 Cross Section -40.03 To 198.4 %



MAT 1428 Dpa total (eV-barns) 14-Si-29
 Cross Section -40.31 To 188.4 %

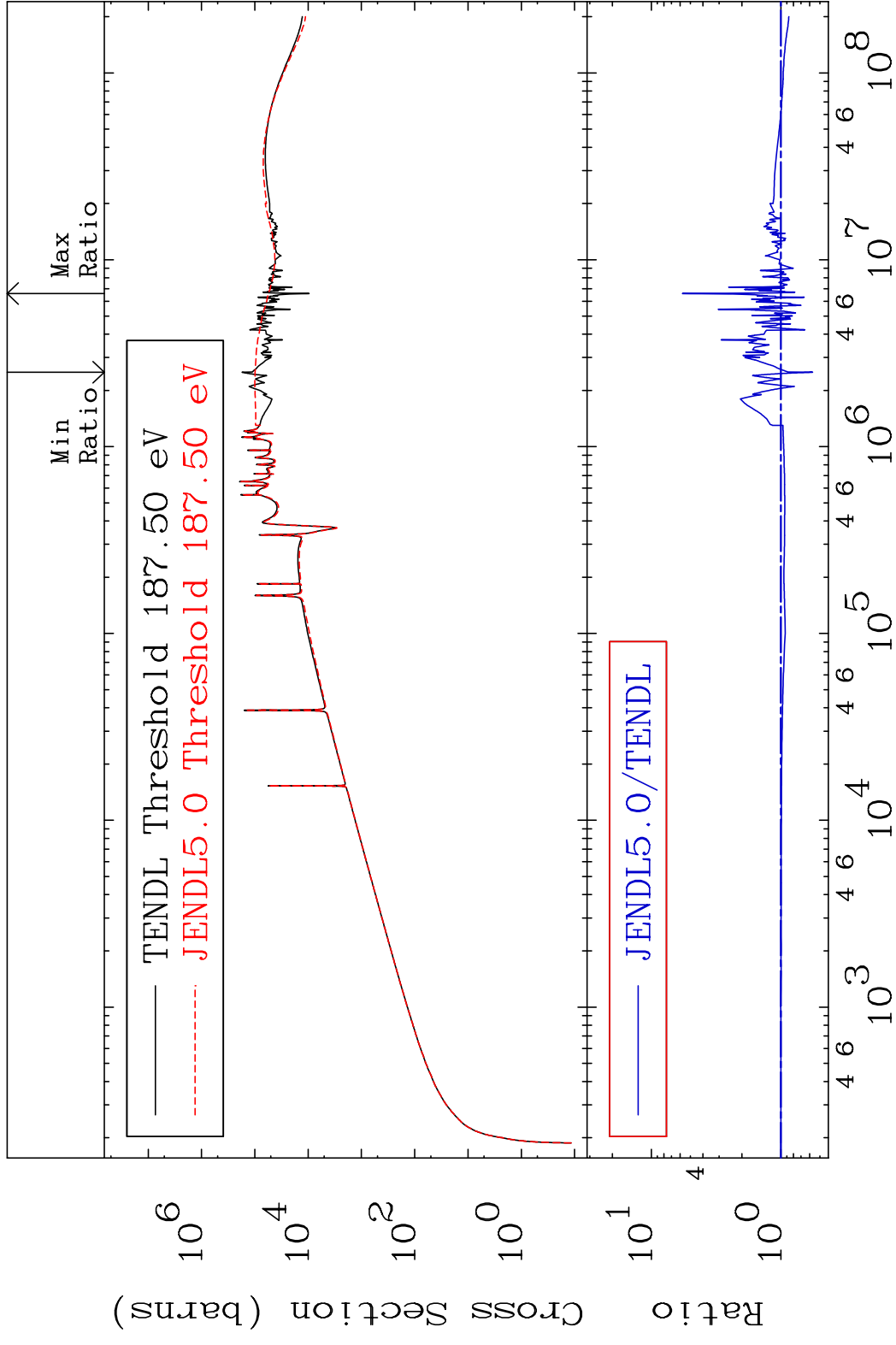


MAT 1428

Dpa elastic (mt2)

14-Si-29

Cross Section -42.98 To 477.4 %

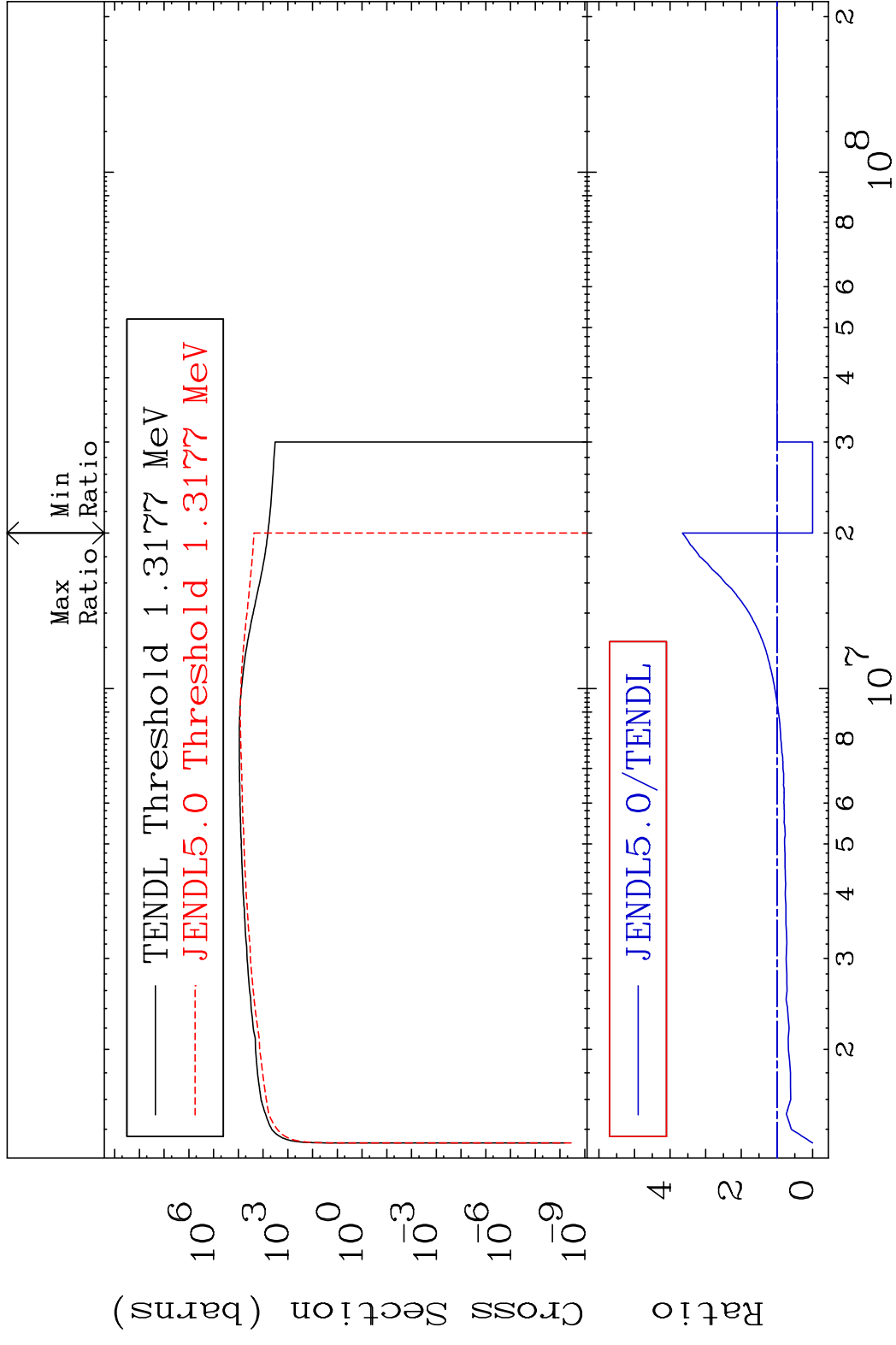


MAT 1428

Dpa inelastic (mt51-91)

¹⁴Si-29

Cross Section -100.0 To 265.5 %



MAT 1428 Dpa disappearance (mt102 -120) 14-Si-29
 Cross Section -100.0 To 339.2 %

