

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

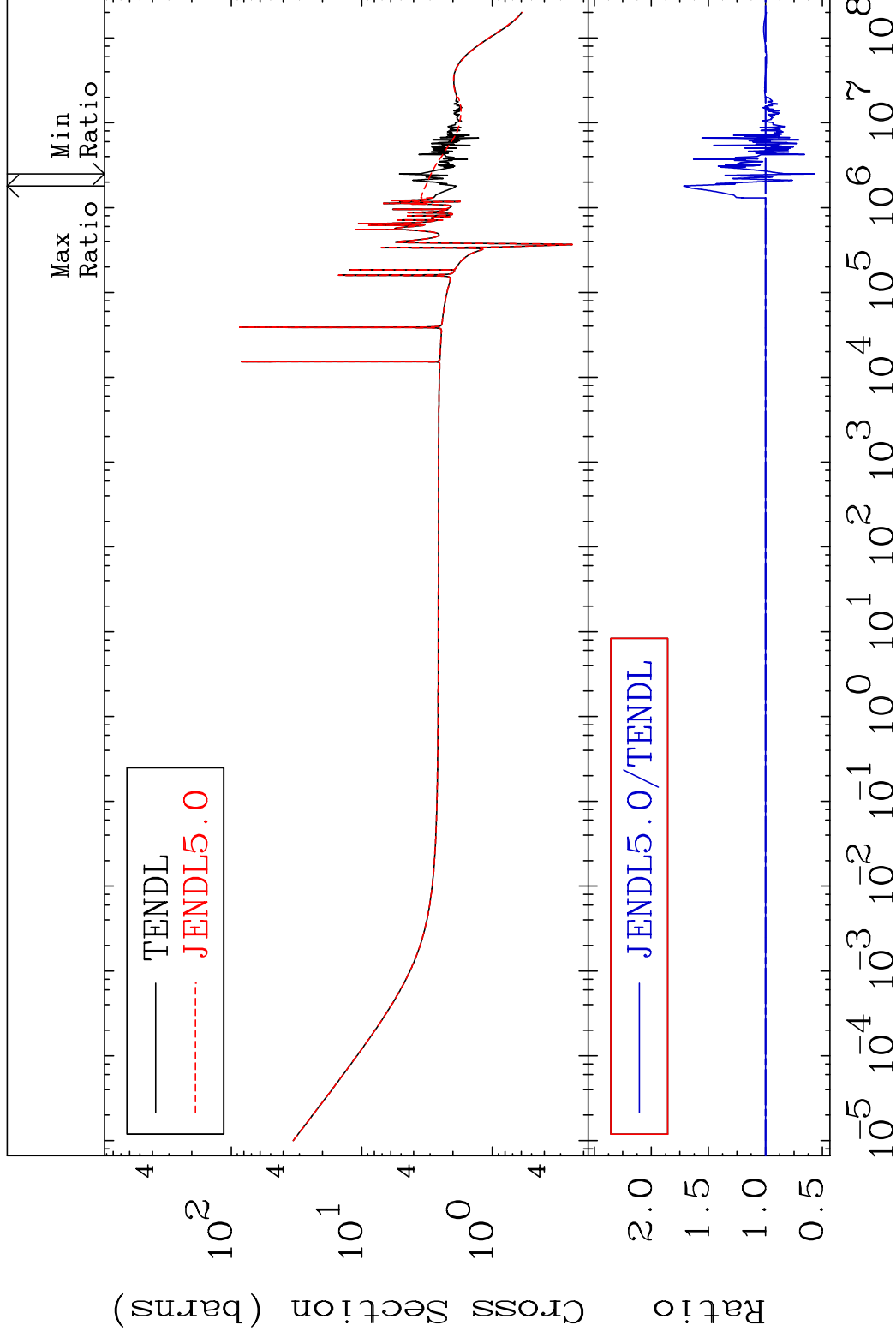
MAT 1428

Total

14-Si-29

Cross Section

-42.66 To 71.66 %



1

Incident Energy (eV)

14-Si-29

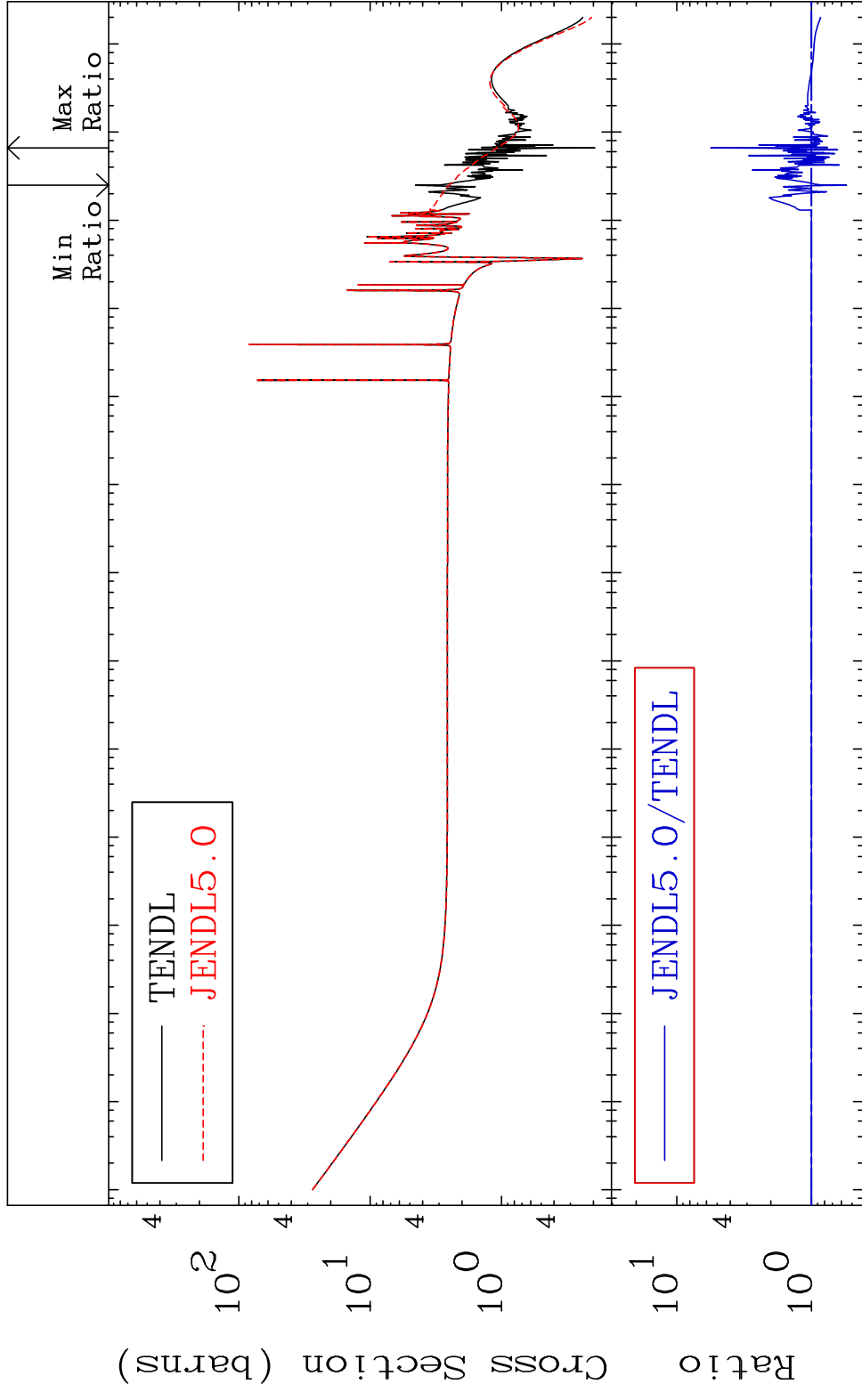
MAT 1428

Elastic

14-Si-29

Cross Section

-44.88 To 459.2 %

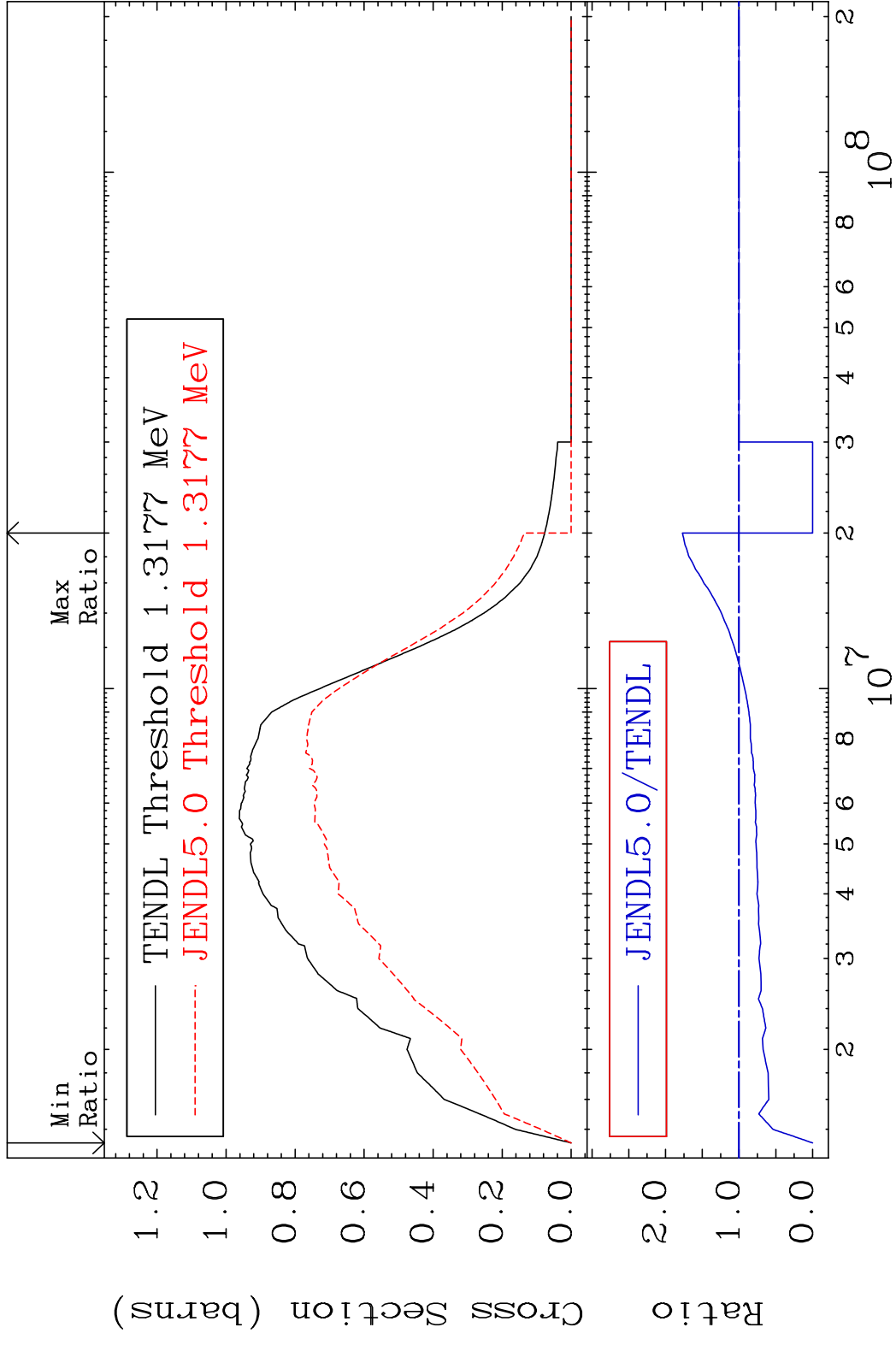


2

Incident Energy (eV)

14-Si-29

MAT 1428 Inelastic 14-Si-29
 Cross Section -100.0 To 77.08 %

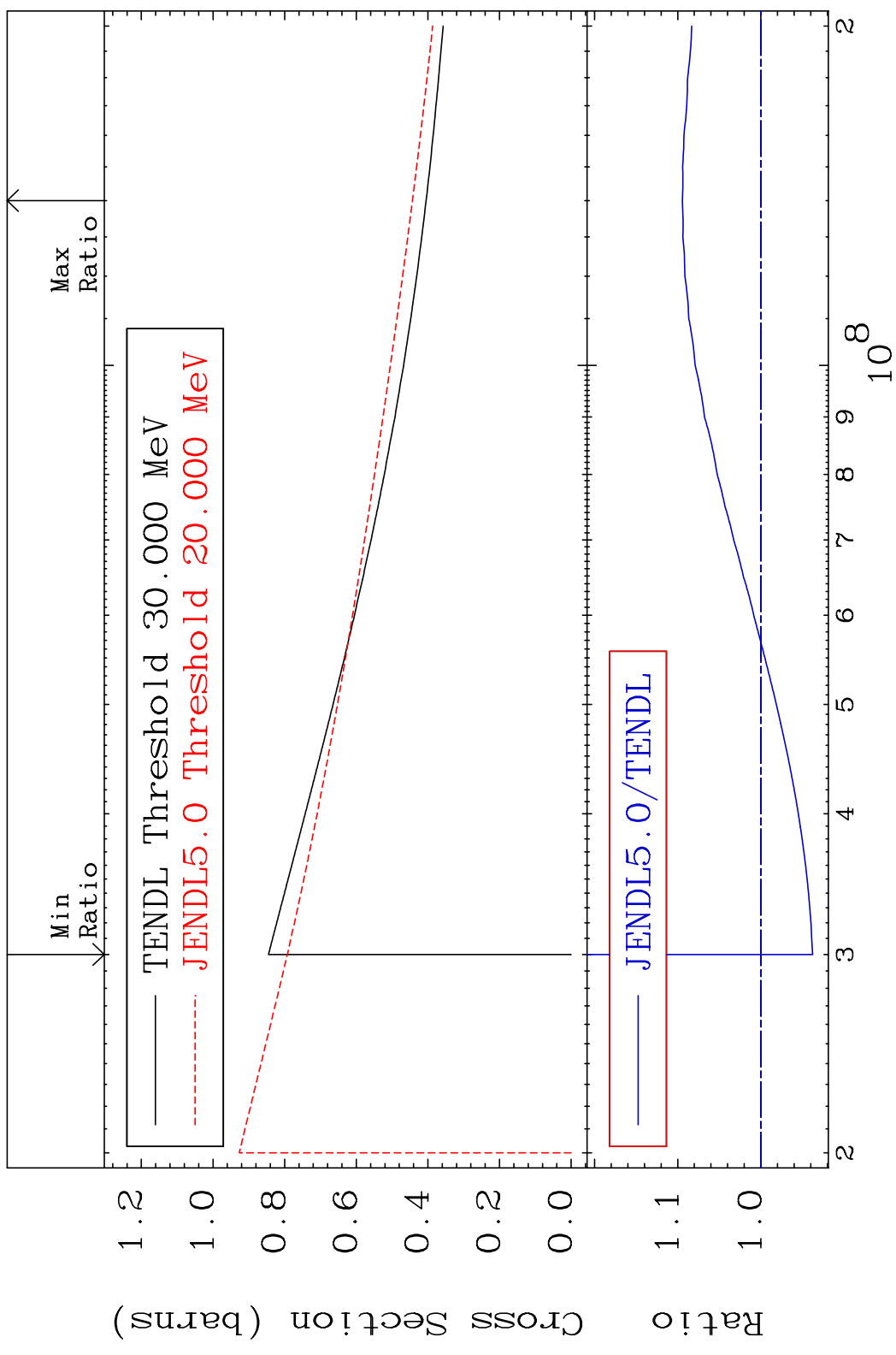


MAT 1428

(n, remainder)

14-Si-29

Cross Section -6.213 To 9.443 %



4

Incident Energy (eV)

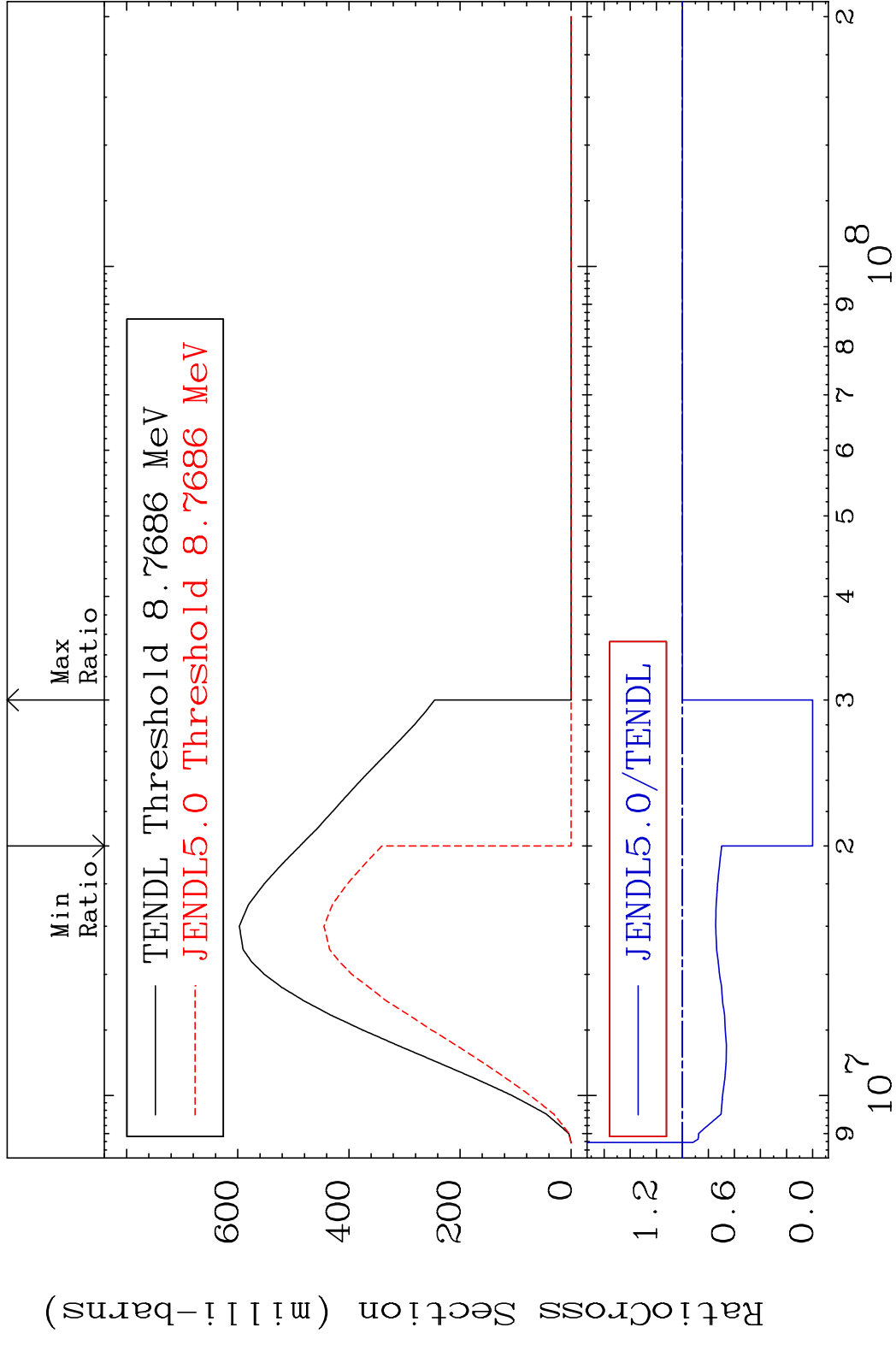
14-Si-29

MAT 1428

(n,2n)

14-Si-29

Cross Section -100.0 To 0.000 %



5

Incident Energy (eV)

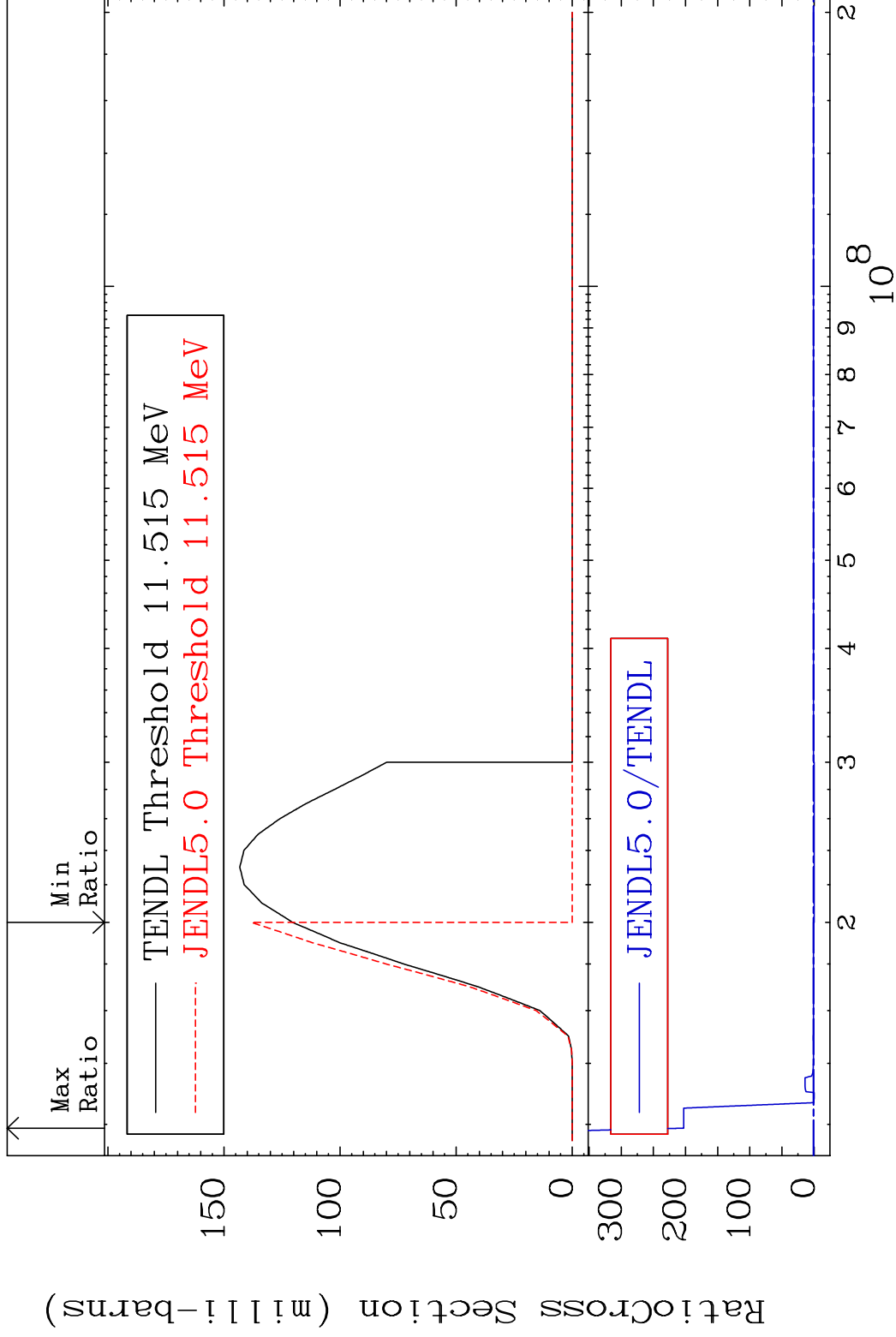
14-Si-29

MAT 1428

(n, n') α

14-Si-29

Cross Section -100.0 To 9999. %



6

Incident Energy (eV)

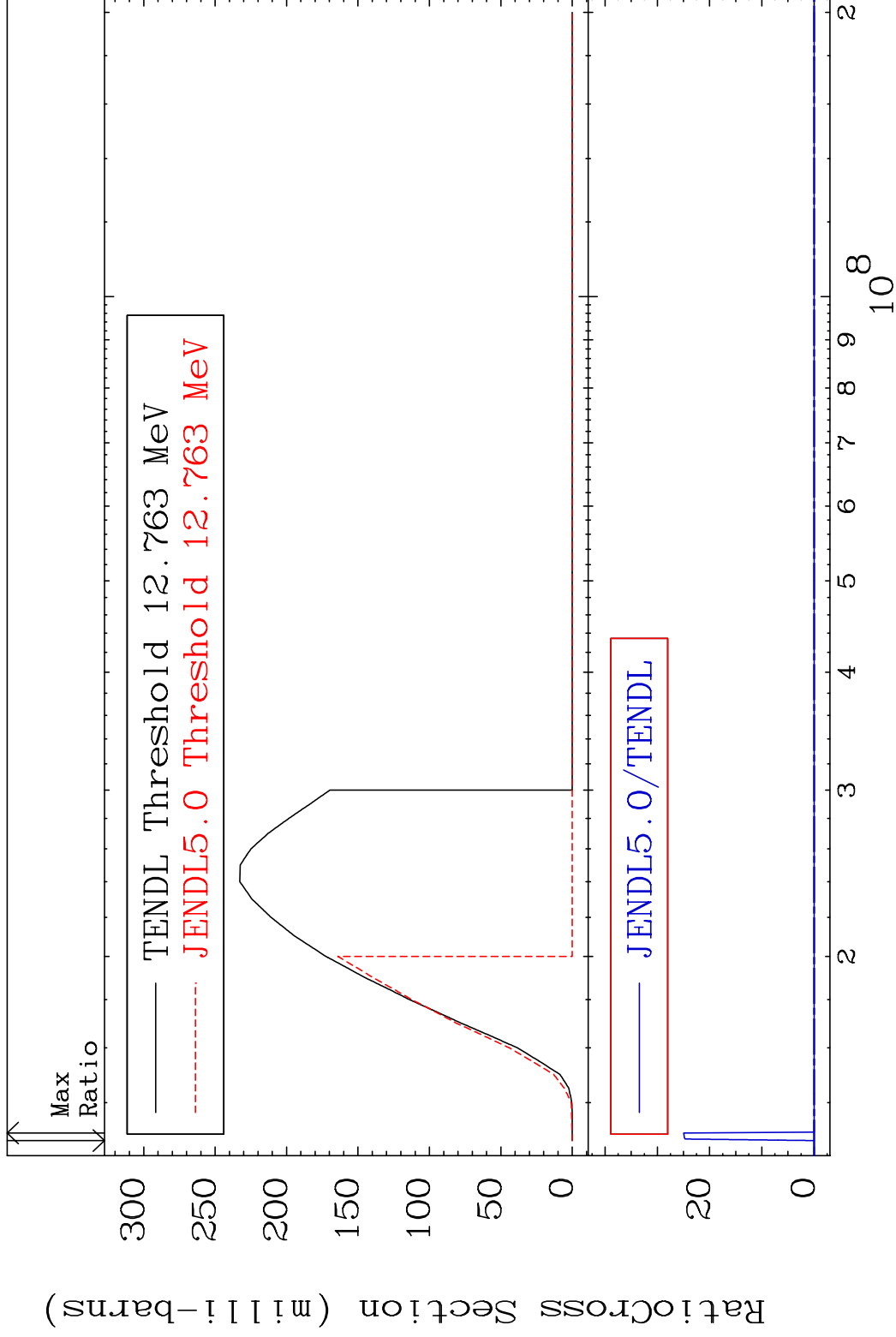
14-Si-29

MAT 1428

(n, n') p

14-Si-29

Cross Section -100.0 To 9999. %

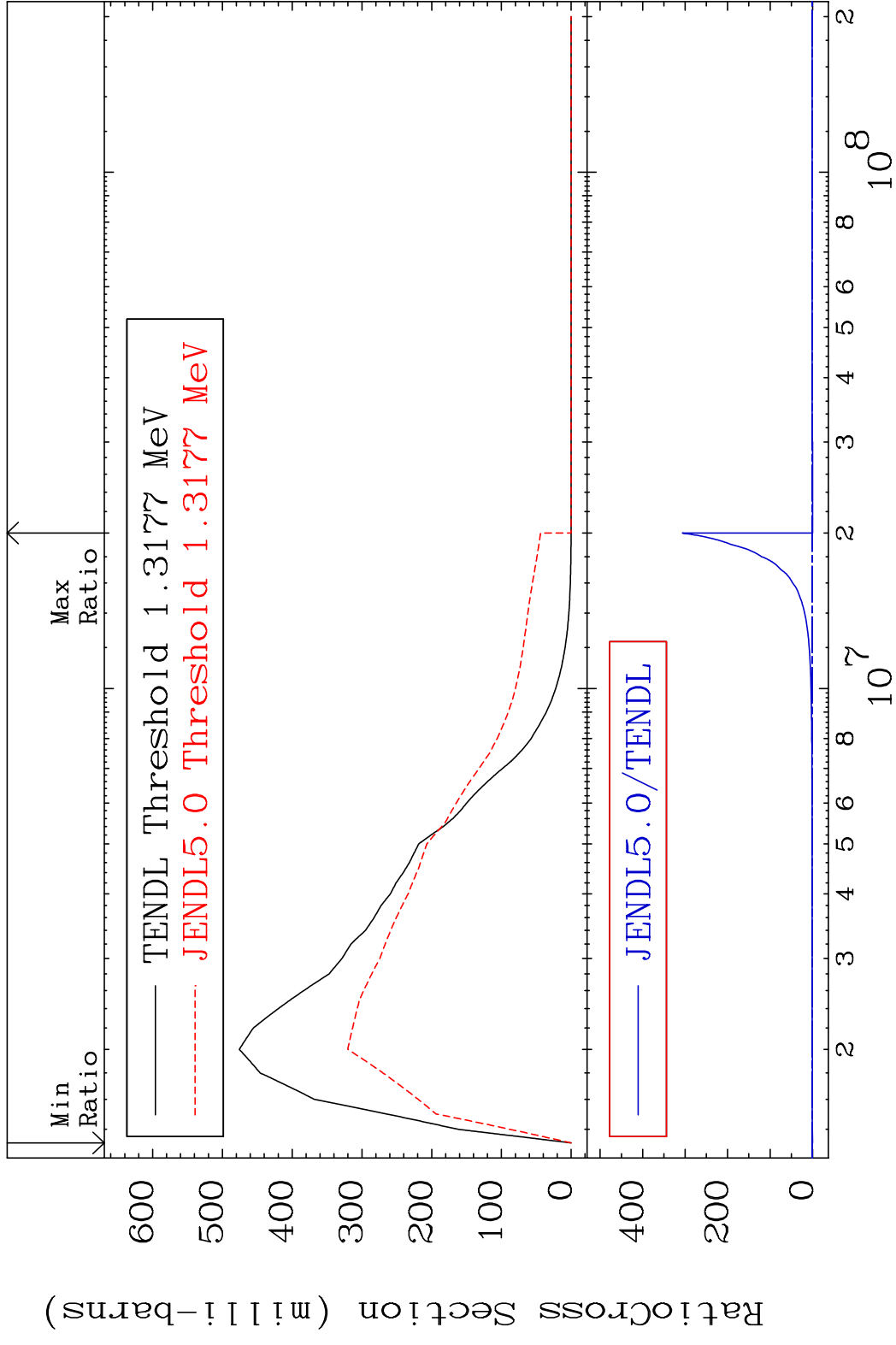


7

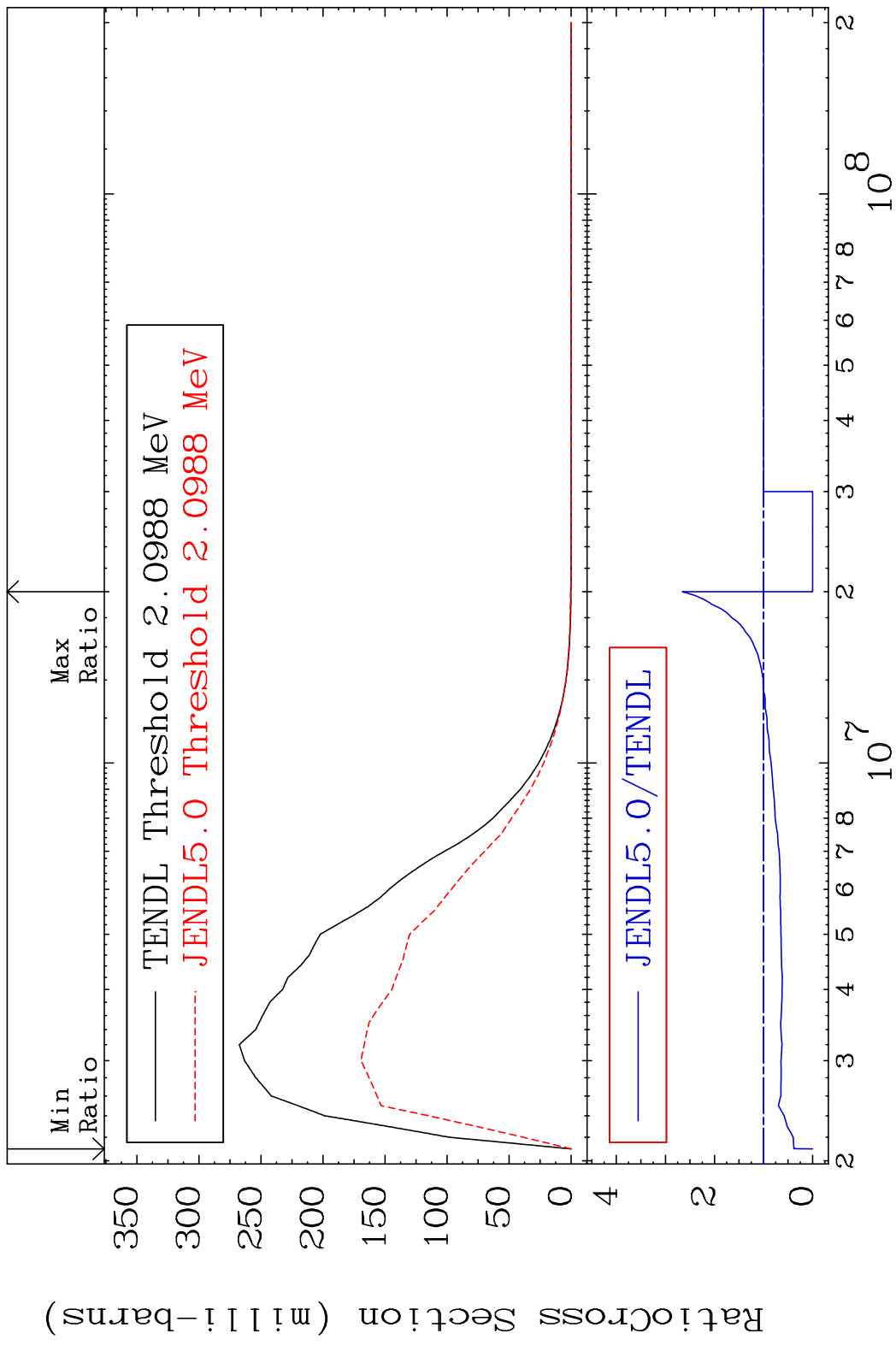
Incident Energy (eV)

14-Si-29

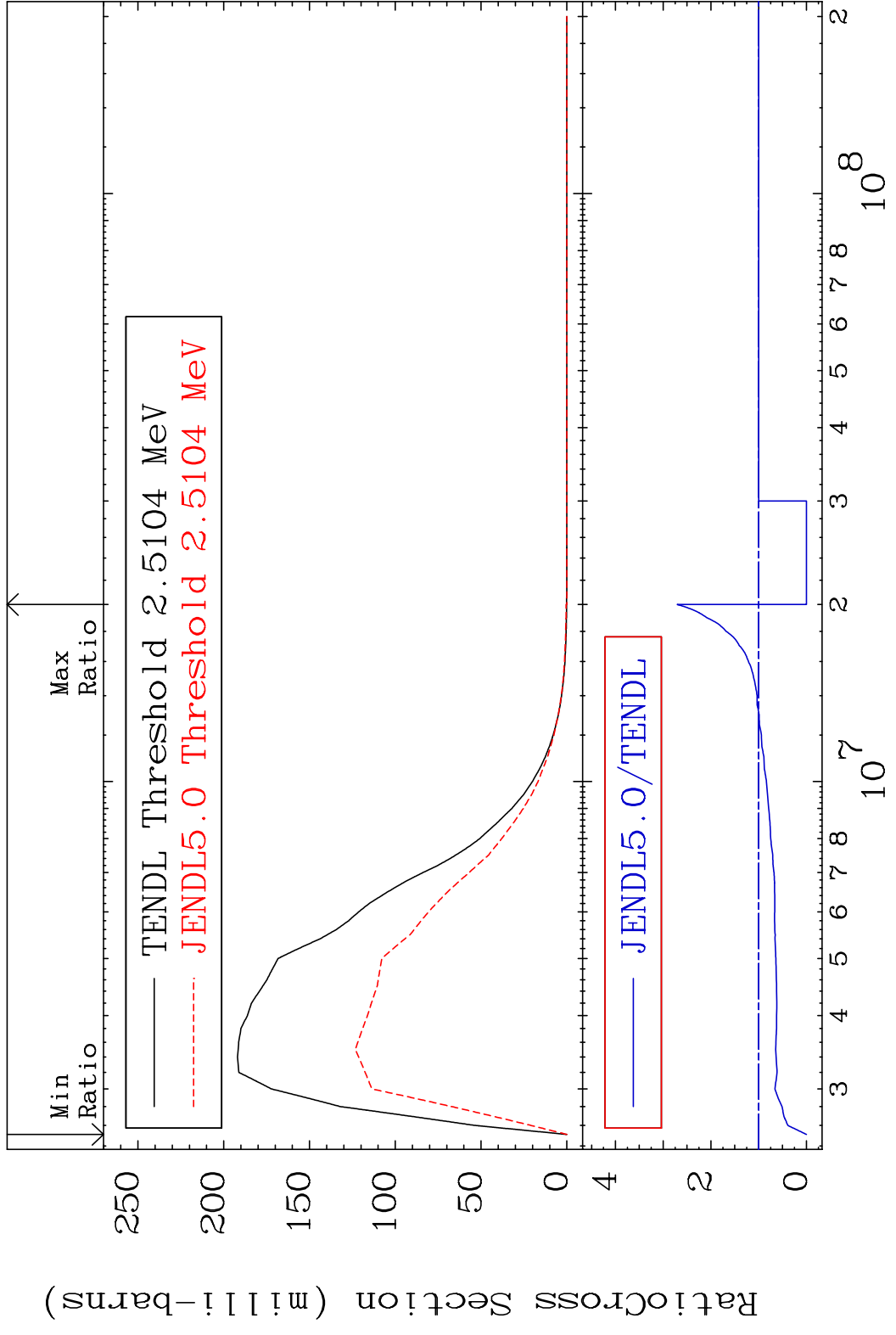
MAT 1428 MT= 51 (n, n') Level 14-Si-29
 Cross Section -100.0 To 9999. %



MAT 1428 MT= 52 (n, n') Level 14-Si-29
 Cross Section -100.0 To 165.5 %

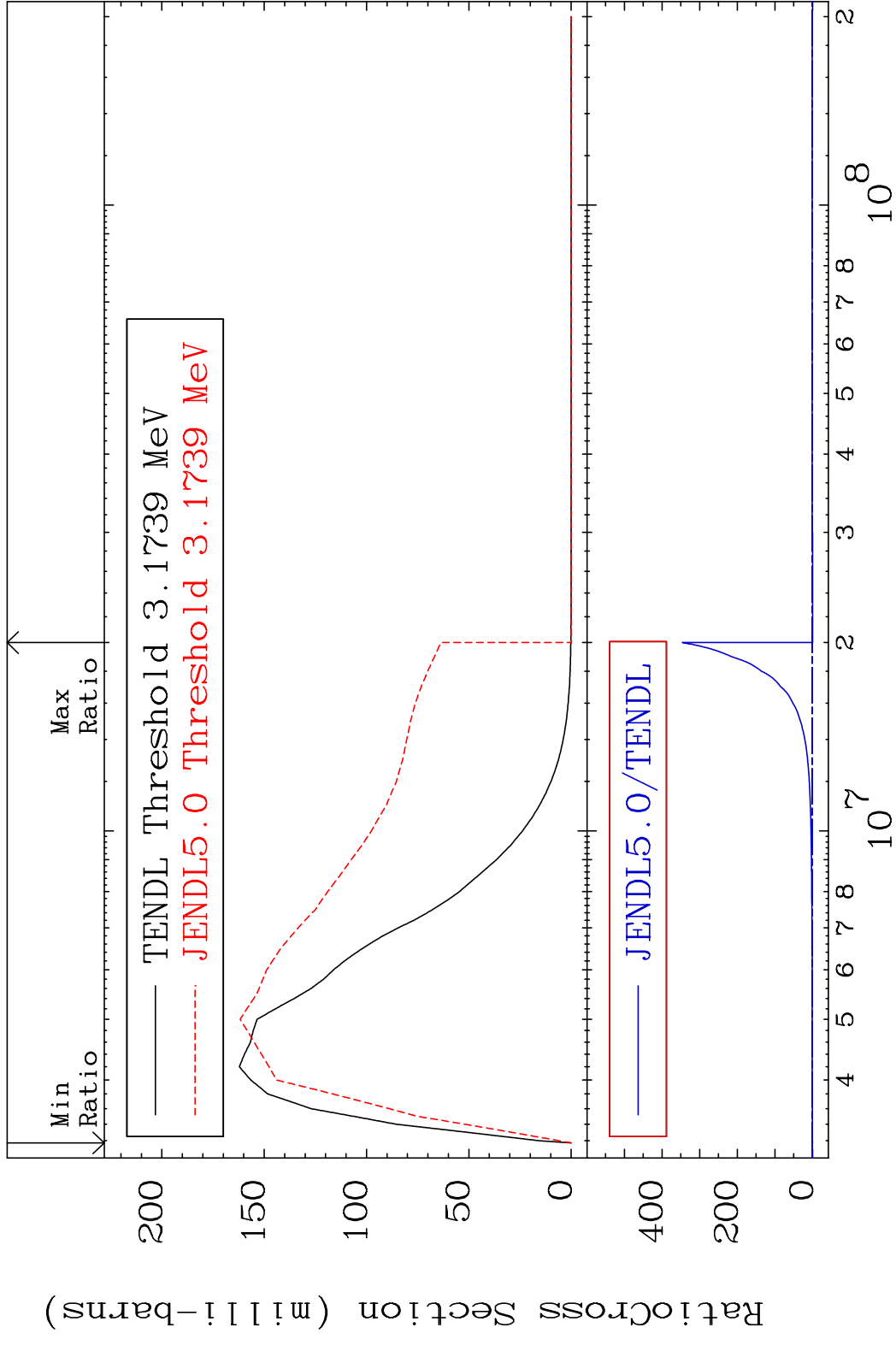


MAT 1428 MT= 53 (n, n') Level 14-Si-29
 Cross Section -100.0 To 170.7 %

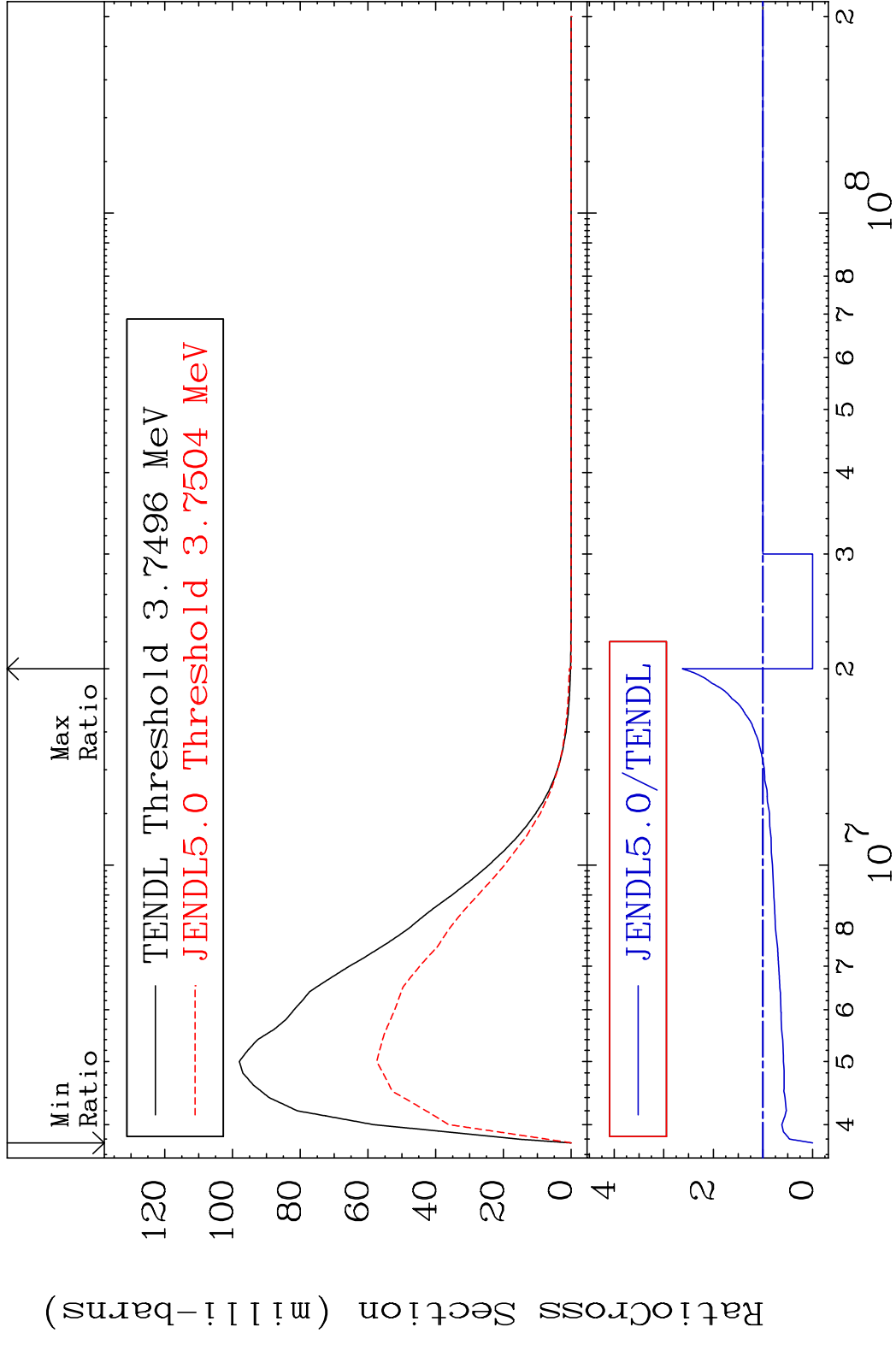


10 Incident Energy (eV) 14-Si-29

MAT 1428 MT= 54 (n, n') Level 14-Si-29
 Cross Section -100.0 To 9999. %

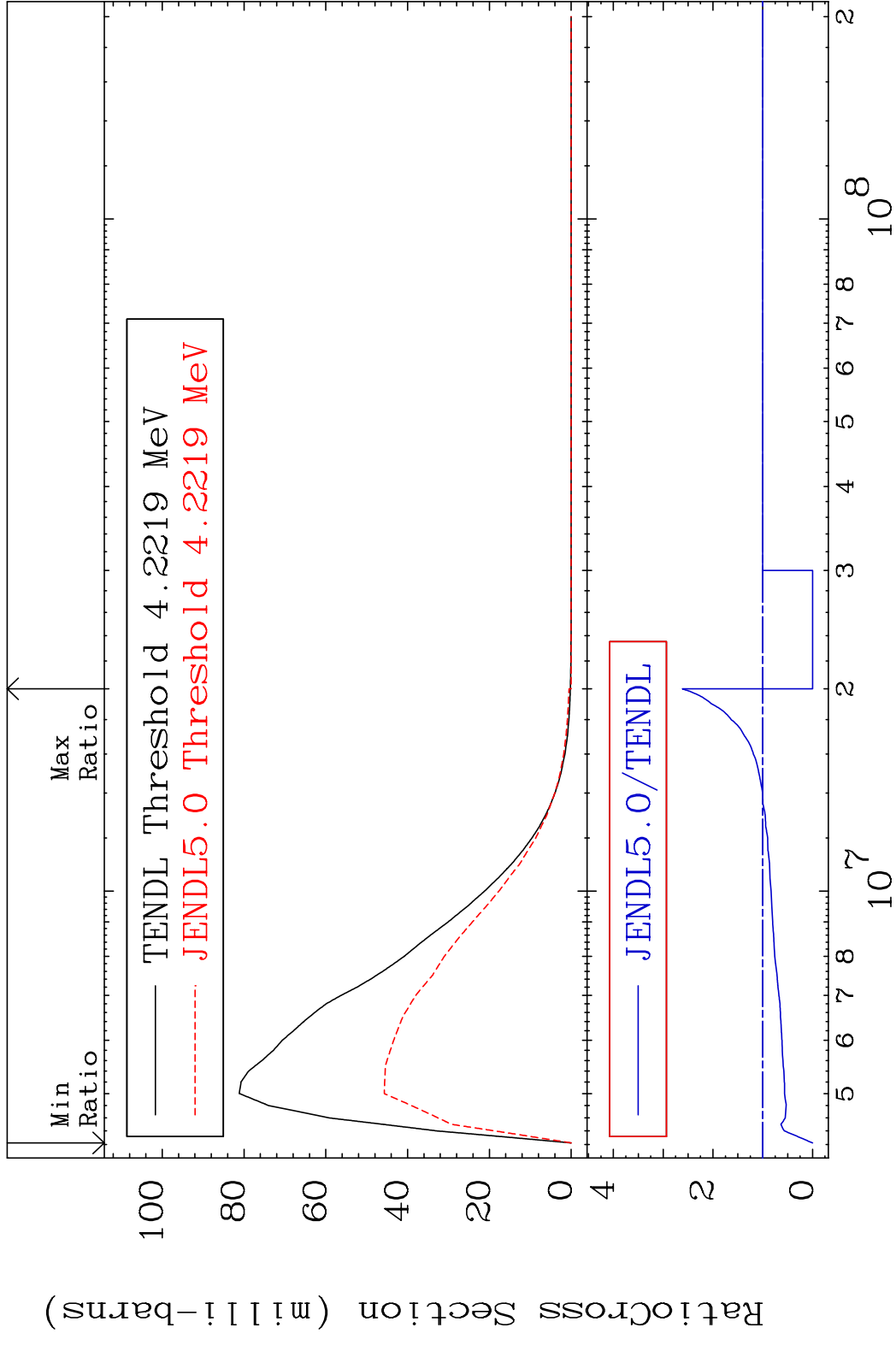


MAT 1428 MT= 55 (n,n') Level 14-Si-29
 Cross Section -100.0 To 162.6 %

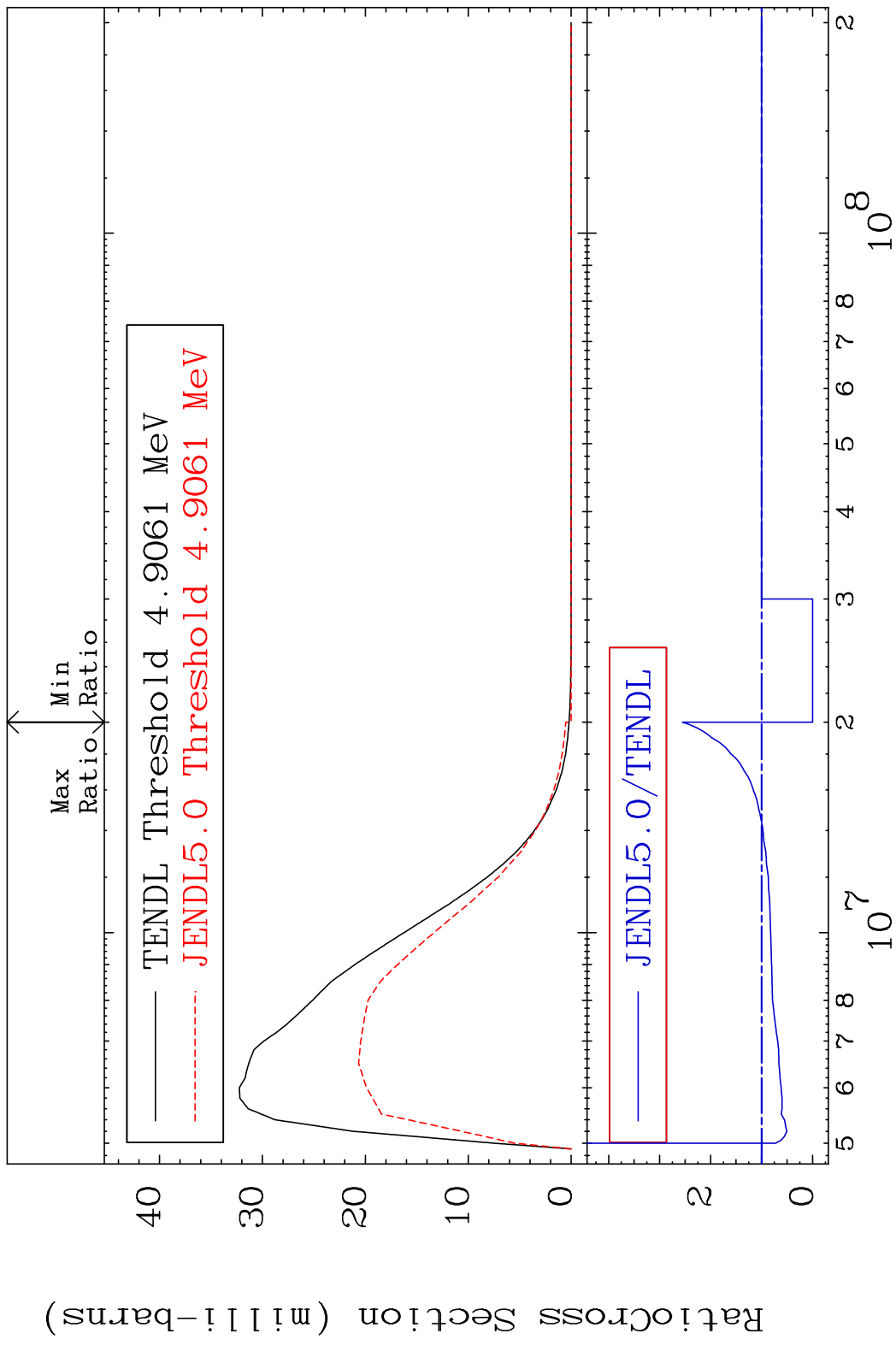


12 Incident Energy (eV) 14-Si-29

MAT 1428 MT= 56 (n, n') Level 14-Si-29
 Cross Section -100.0 To 161.5 %

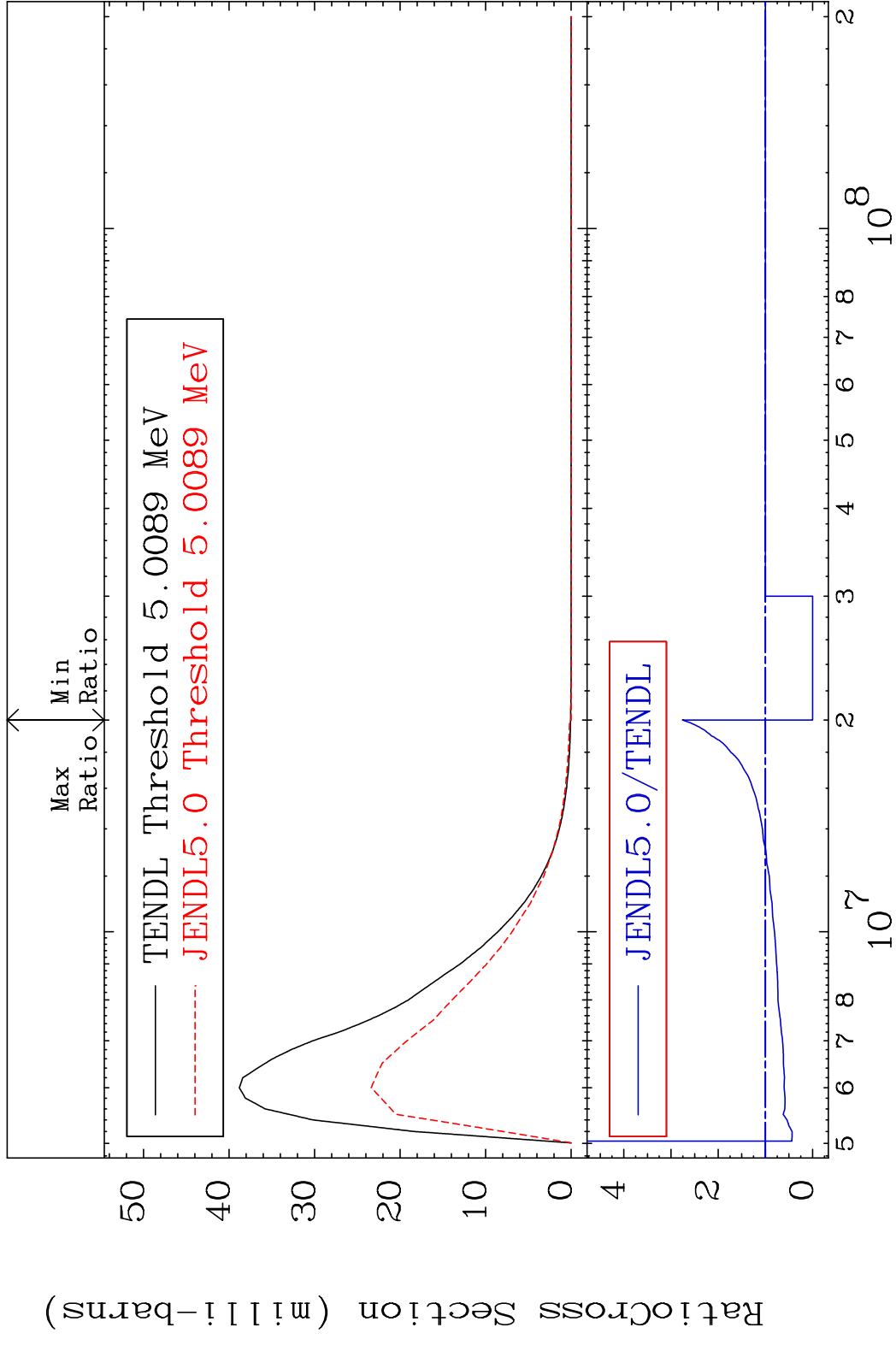


MAT 1428 MT= 57 (n, n') Level 14-Si-29
 Cross Section -100.0 To 155.4 %



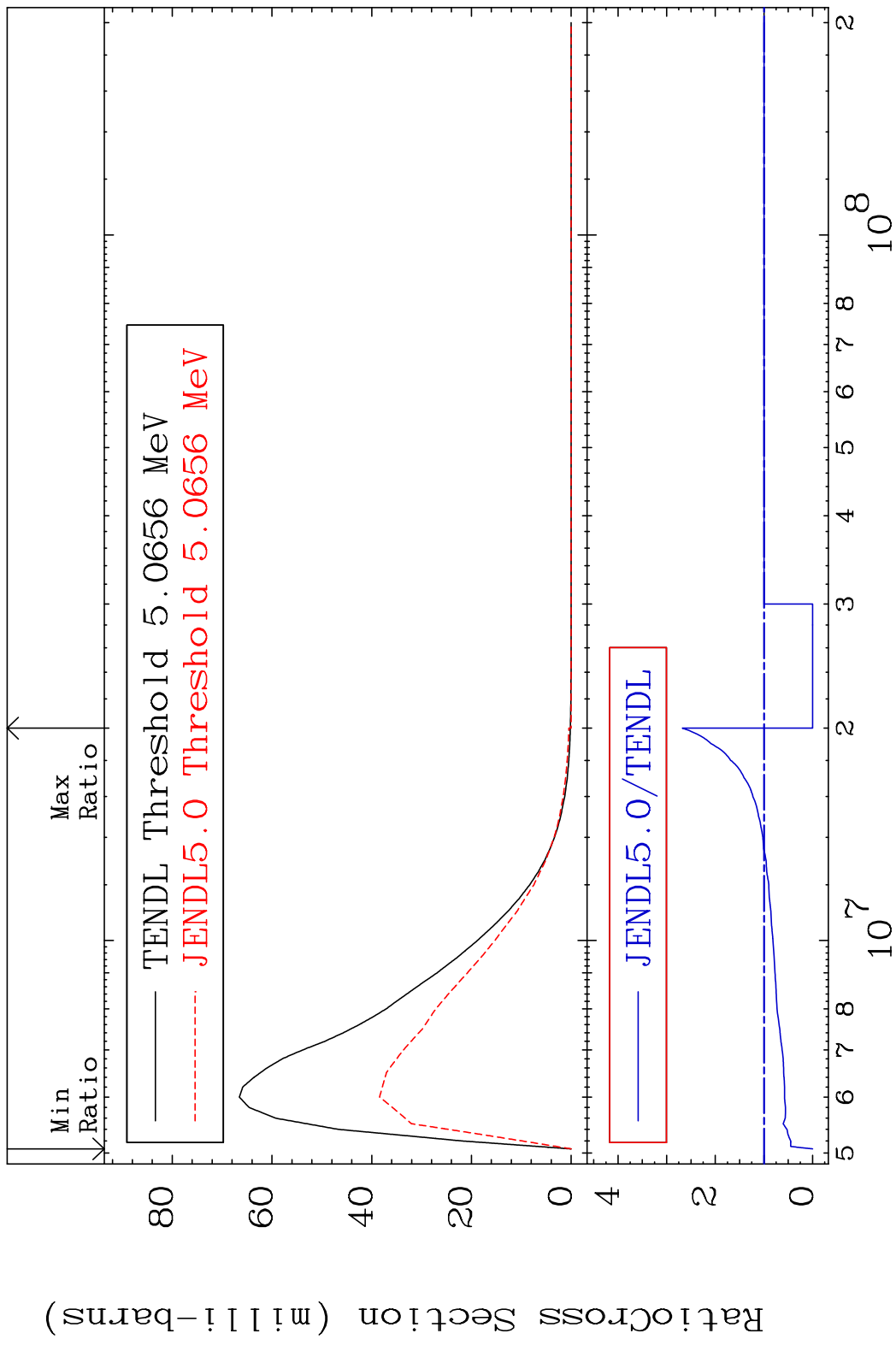
14 14-Si-29

MAT 1428 MT= 58 (n,n') Level 14-Si-29
 Cross Section -100.0 To 176.0 %



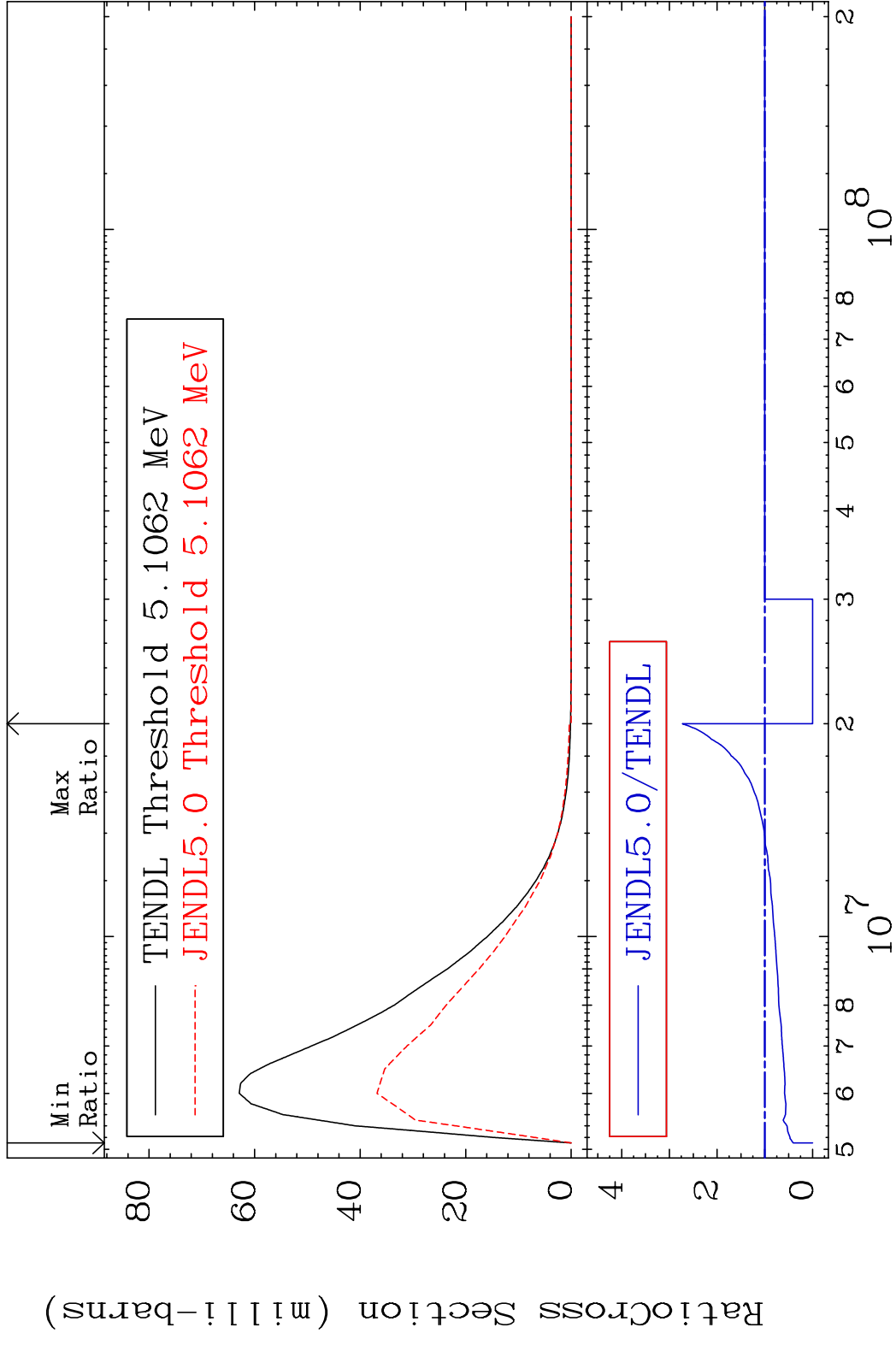
15 14-Si-29

MAT 1428 MT= 59 (n,n') Level 14-Si-29
 Cross Section -100.0 To 167.7 %

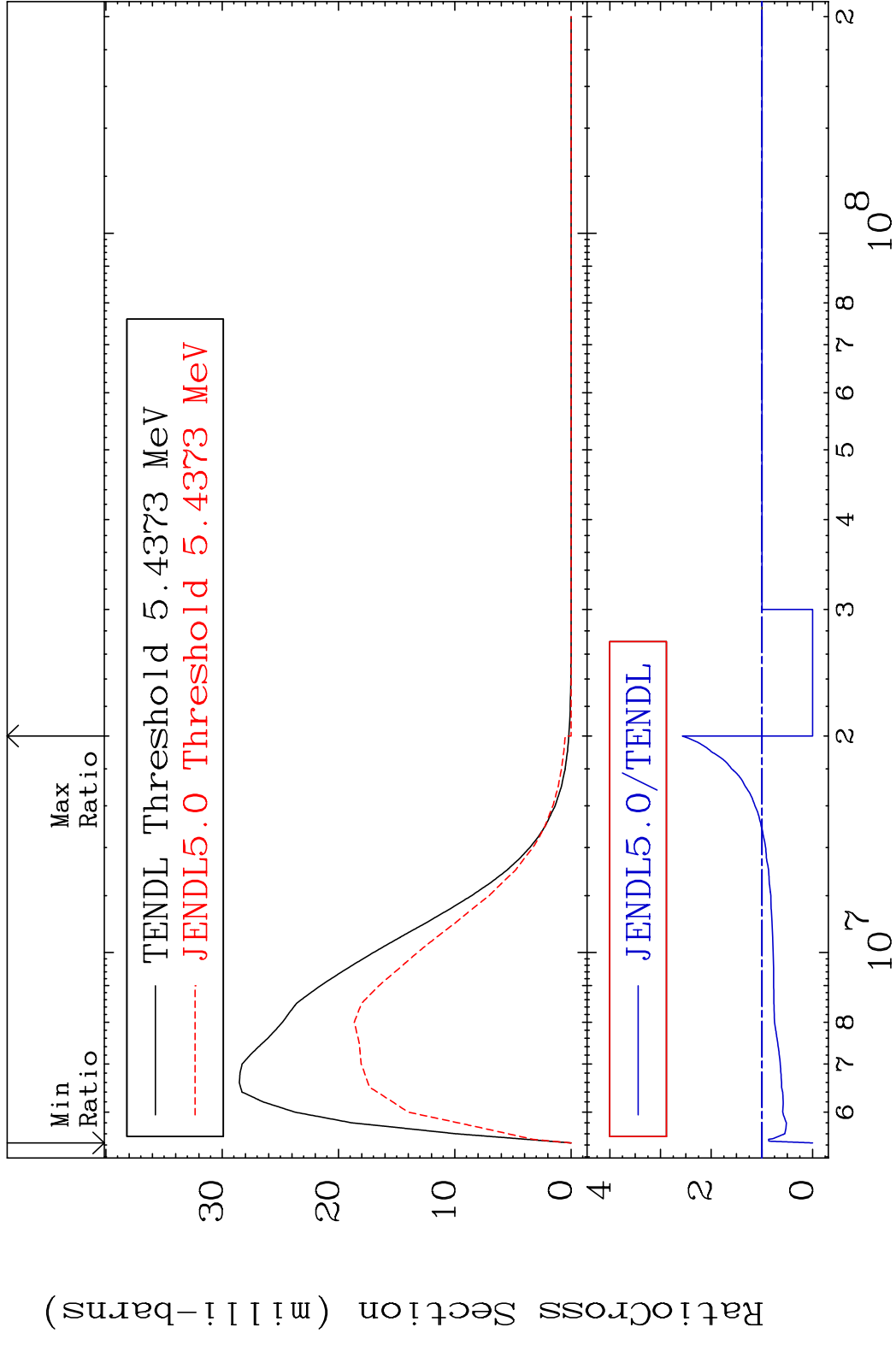


16 14-Si-29

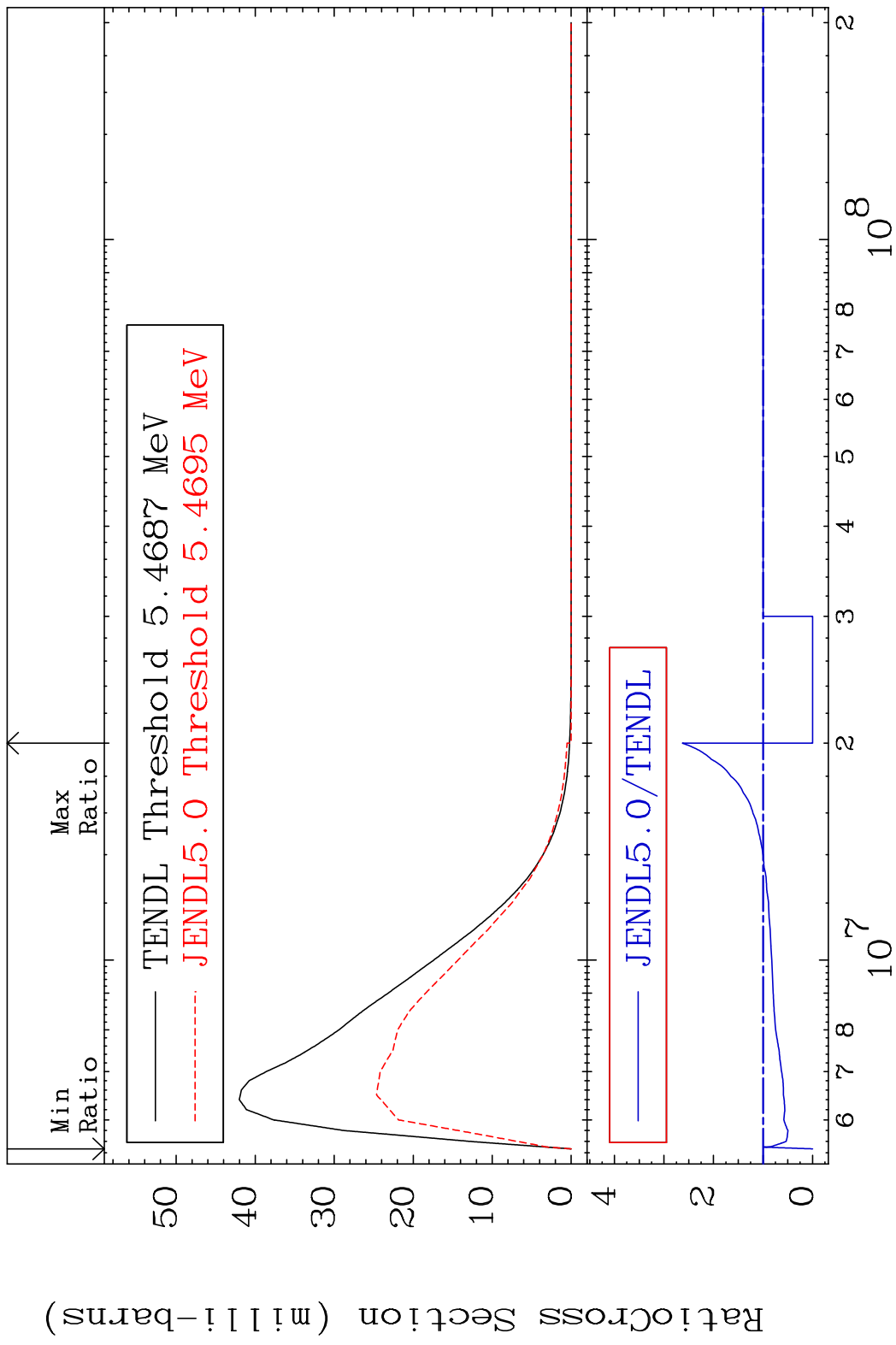
MAT 1428 MT= 60 (n, n') Level 14-Si-29
 Cross Section -100.0 To 172.8 %



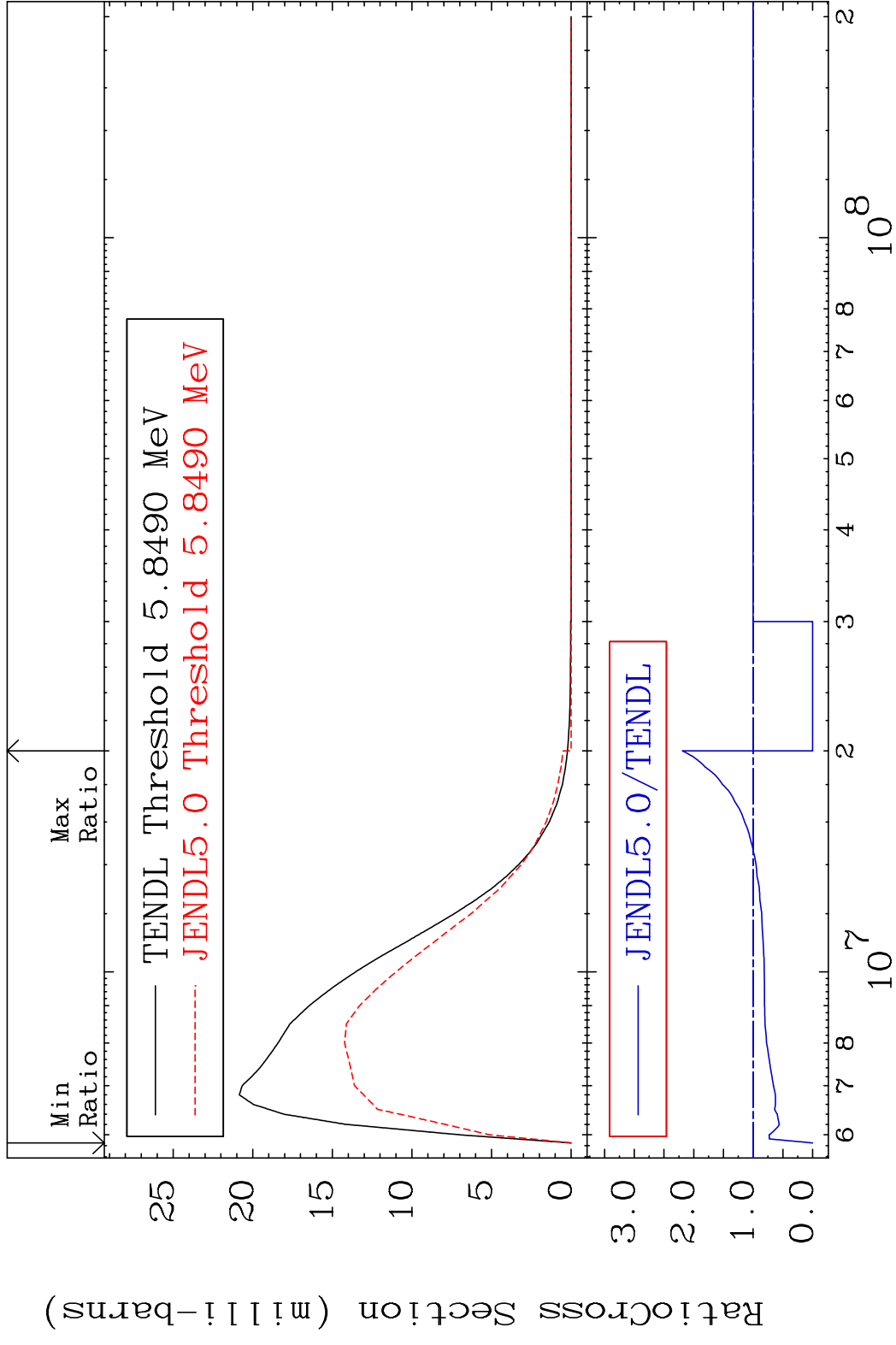
MAT 1428 MT= 61 (n, n') Level 14-Si-29
 Cross Section -100.0 To 156.9 %



MAT 1428 MT= 62 (n,n') Level 14-Si-29
 Cross Section -100.0 To 162.9 %

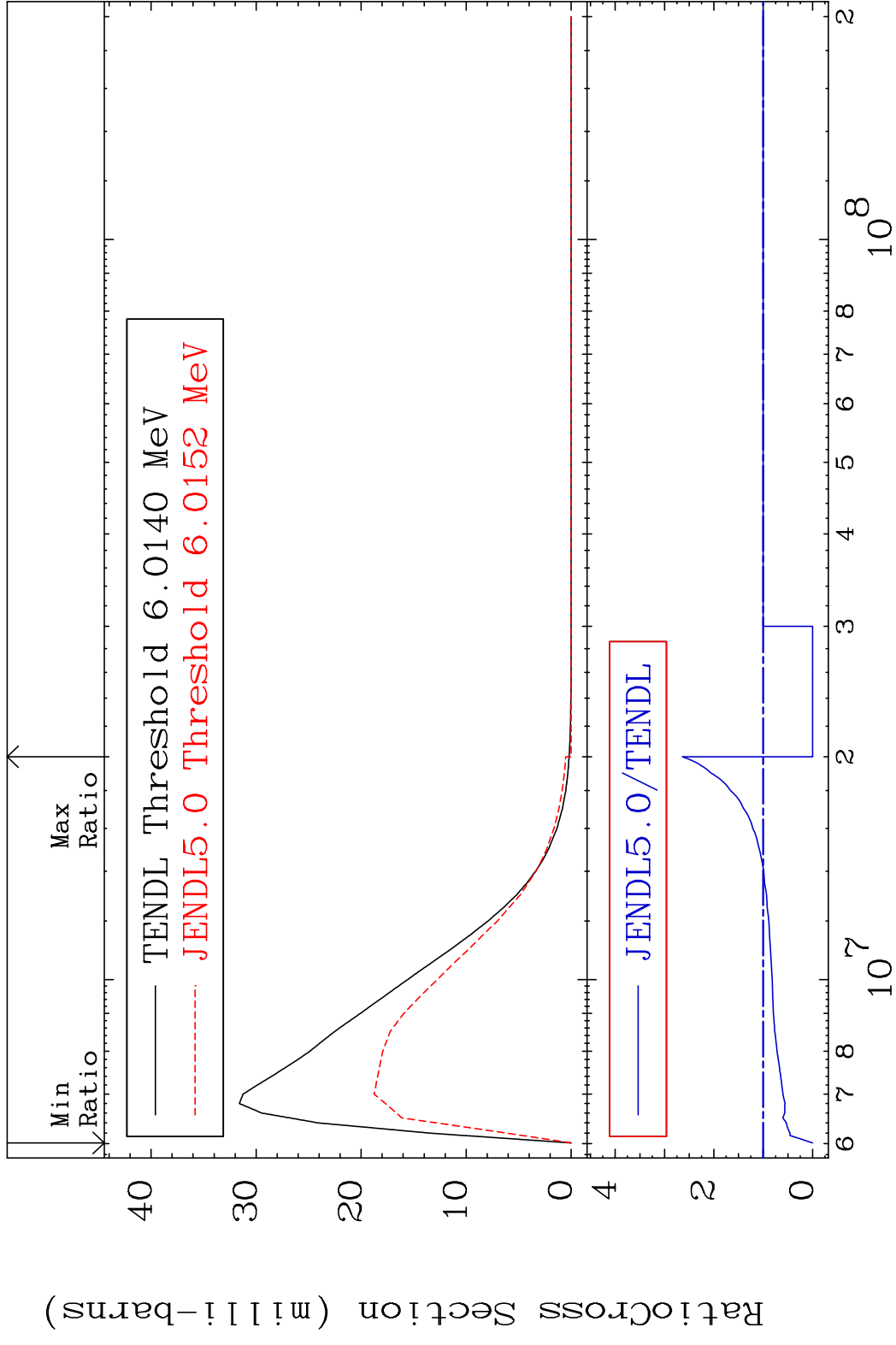


MAT 1428 MT= 63 (n,n') Level 14-Si-29
 Cross Section -100.0 To 119.2 %

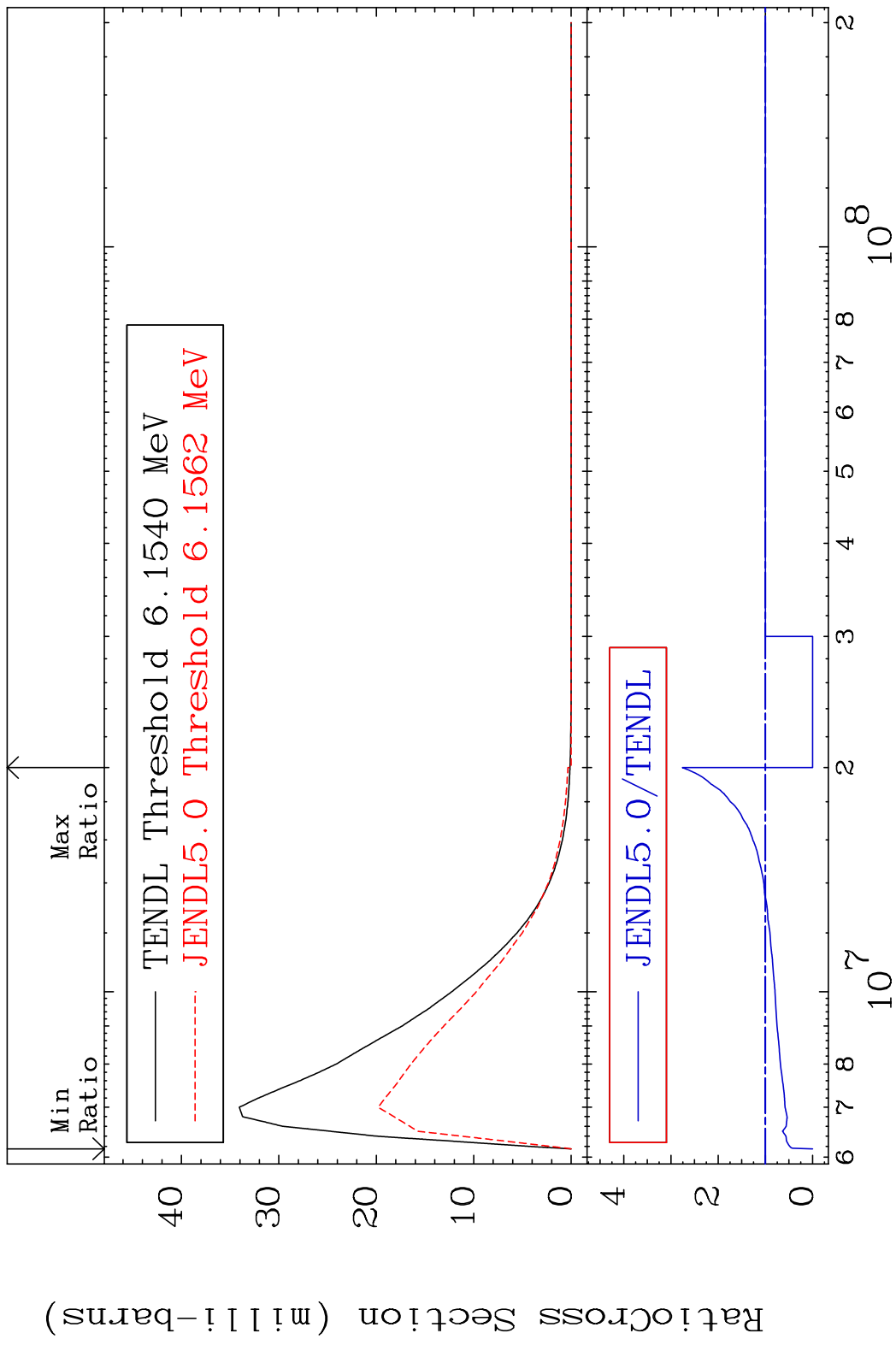


20 14-Si-29

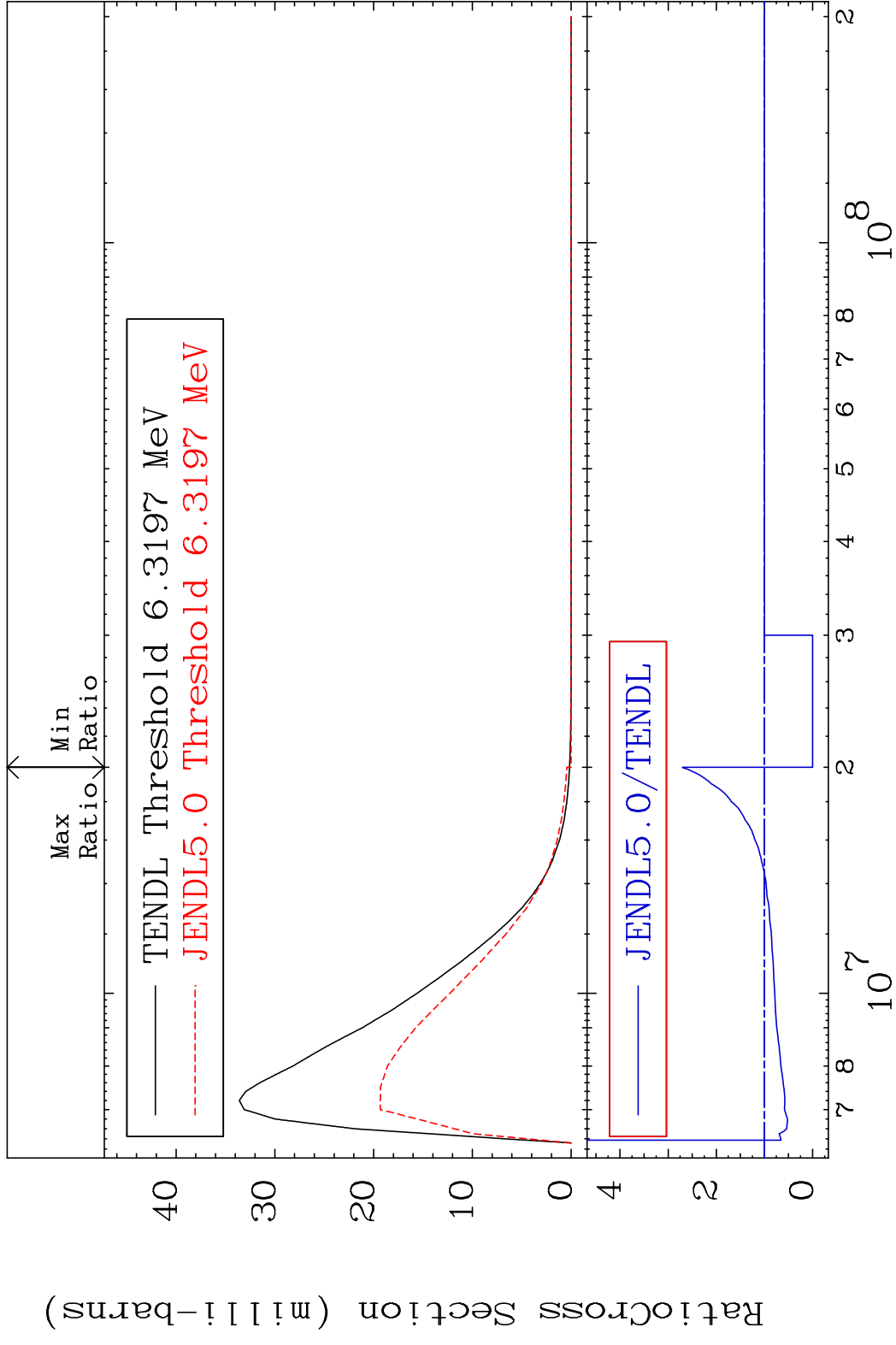
MAT 1428 MT= 64 (n, n') Level 14-Si-29
 Cross Section -100.0 To 163.9 %



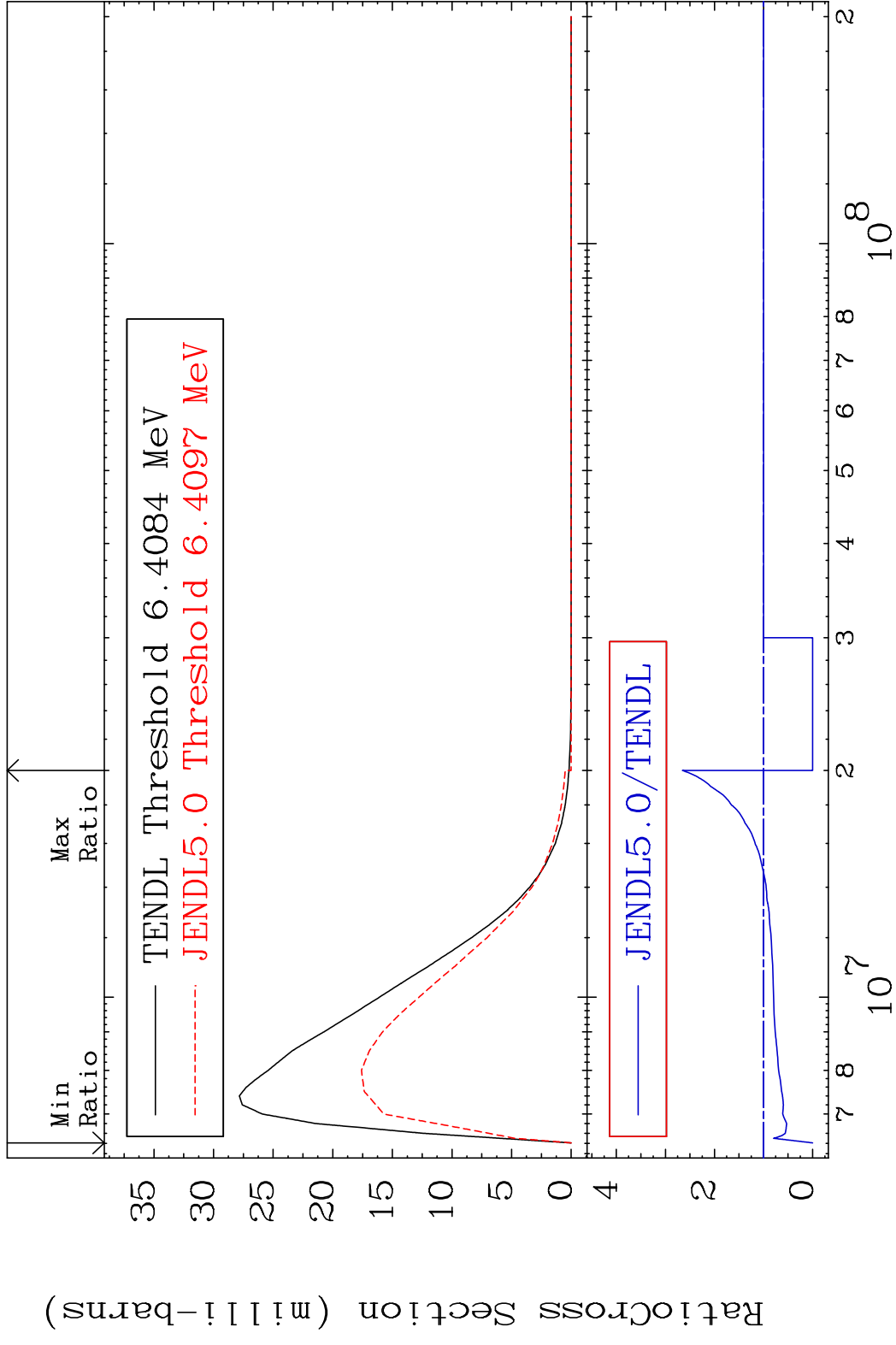
MAT 1428 MT= 65 (n,n') Level 14-Si-29
 Cross Section -100.0 To 175.8 %



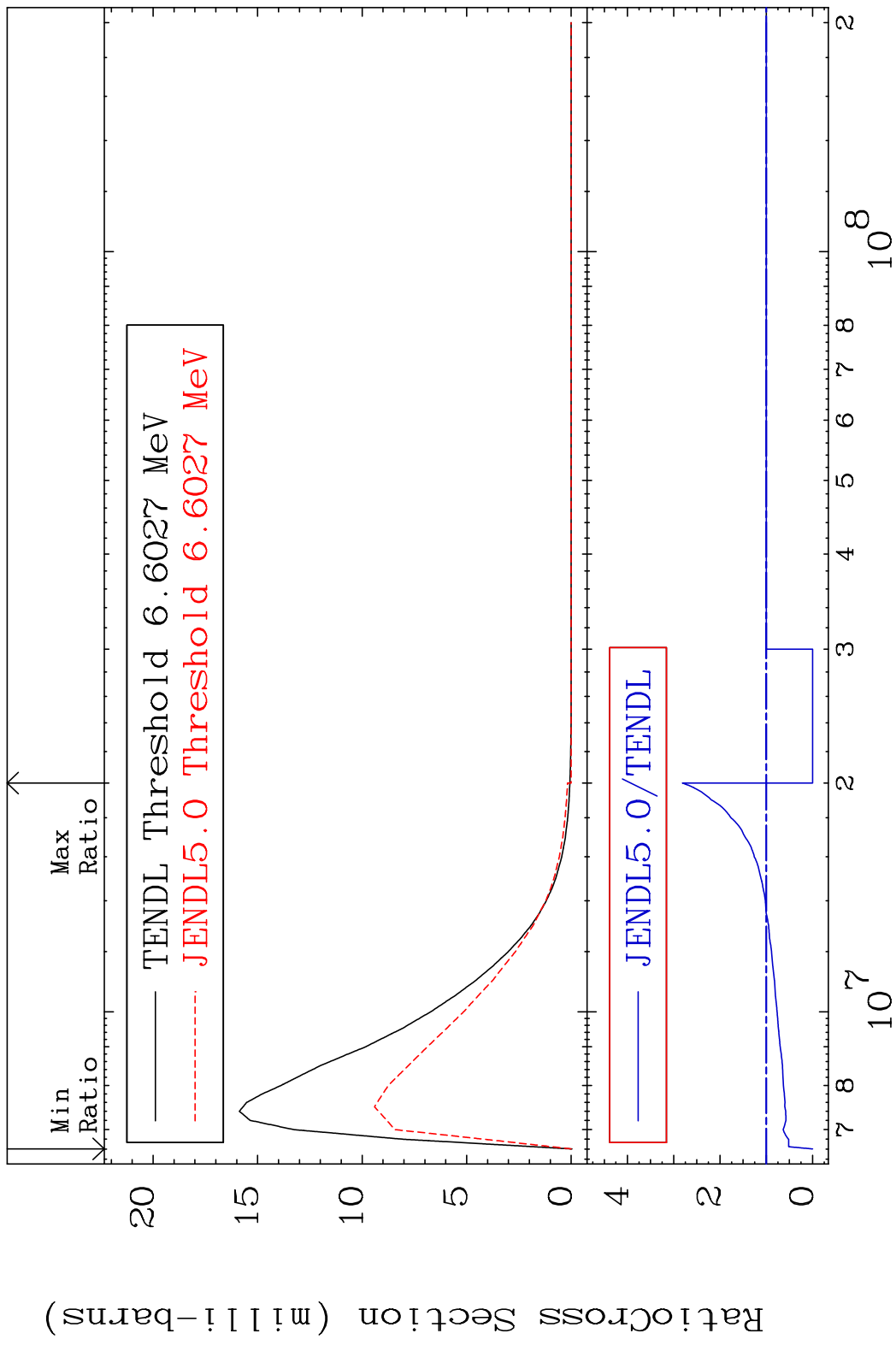
MAT 1428 MT= 66 (n,n') Level 14-Si-29
 Cross Section -100.0 To 170.5 %



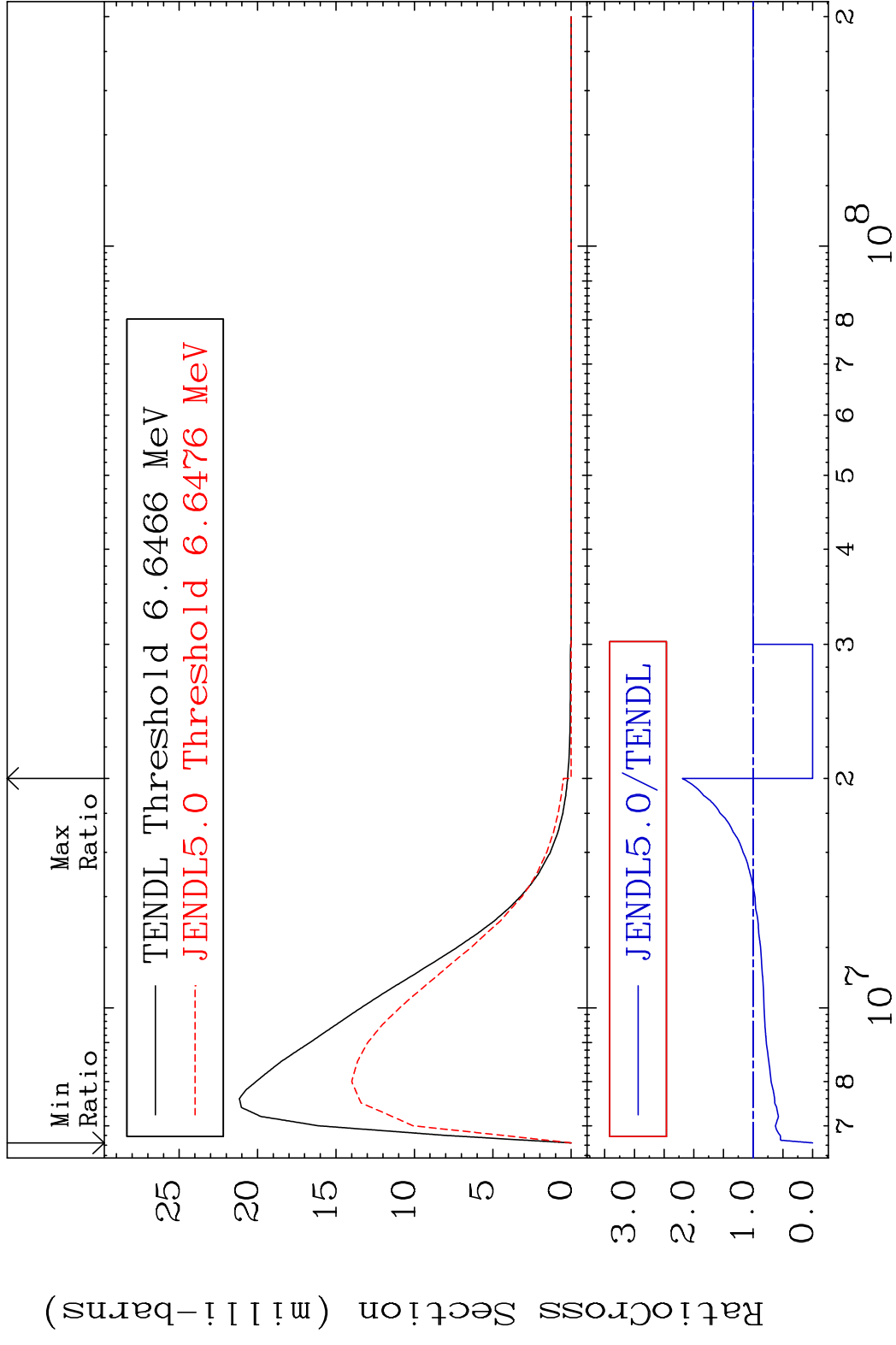
MAT 1428 MT= 67 (n,n') Level 14-Si-29
 Cross Section -100.0 To 165.4 %



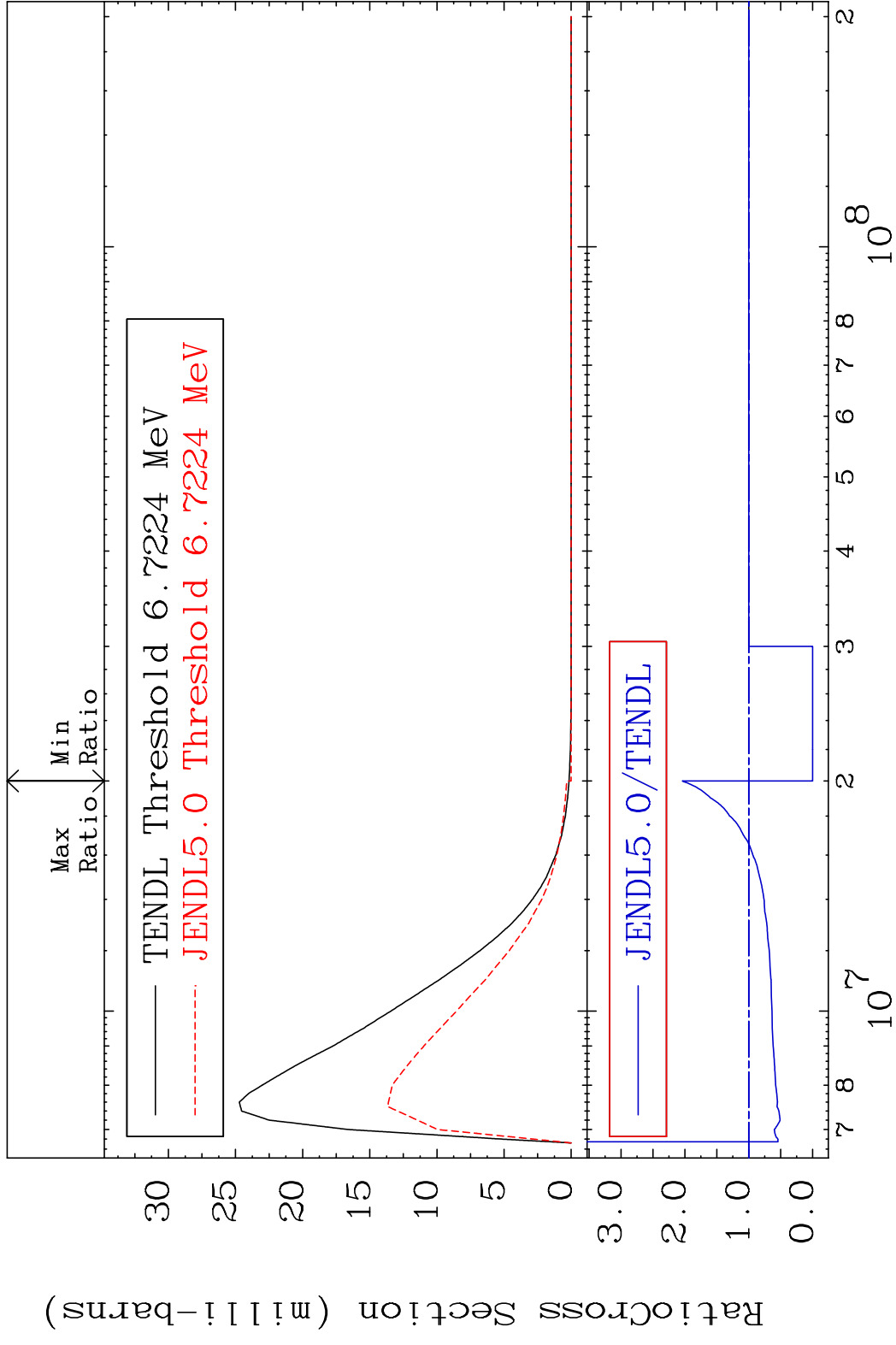
MAT 1428 MT= 68 (n,n') Level 14-Si-29
 Cross Section -100.0 To 181.3 %



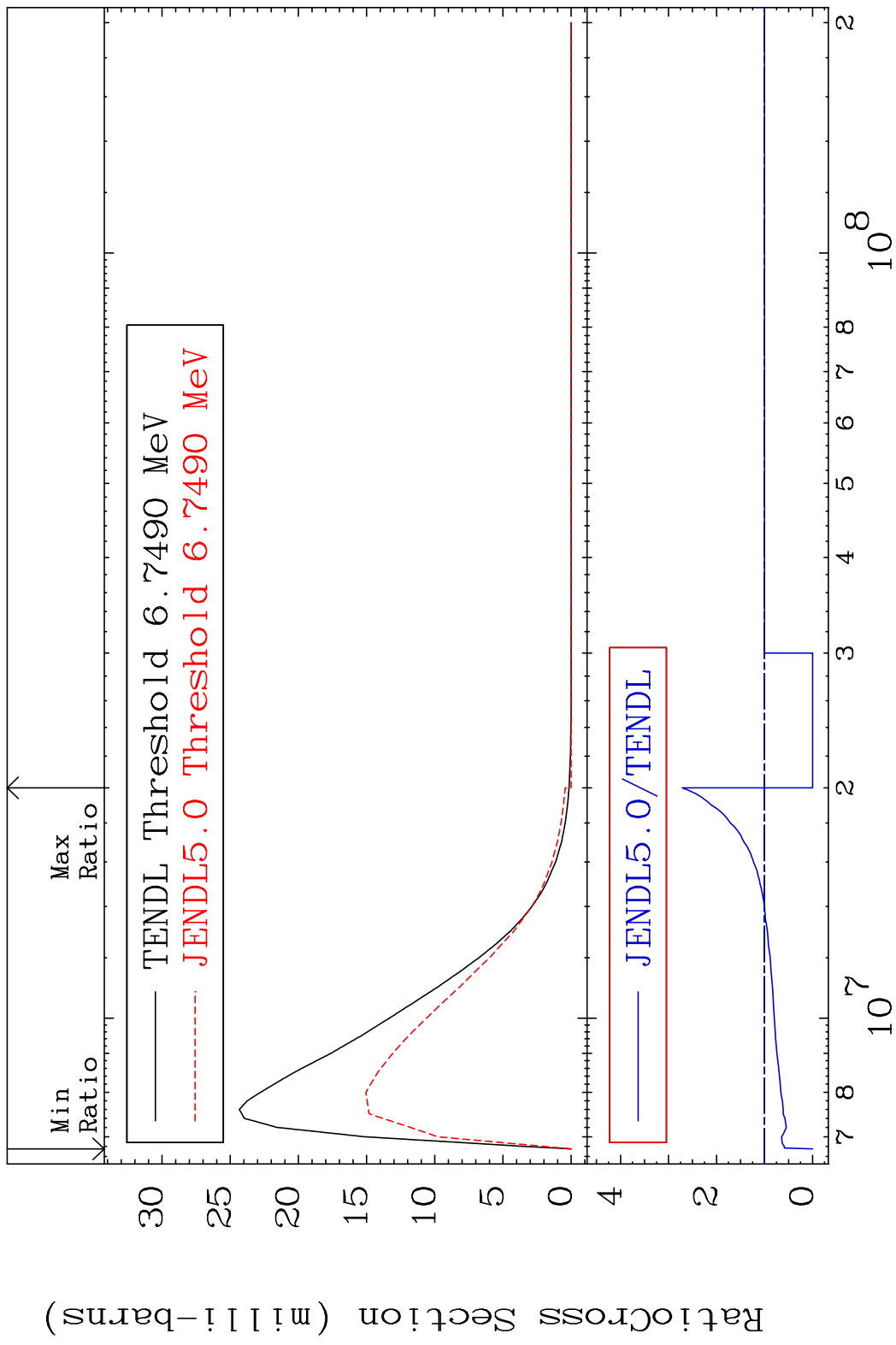
MAT 1428 MT= 69 (n,n') Level 14-Si-29
 Cross Section -100.0 To 119.3 %



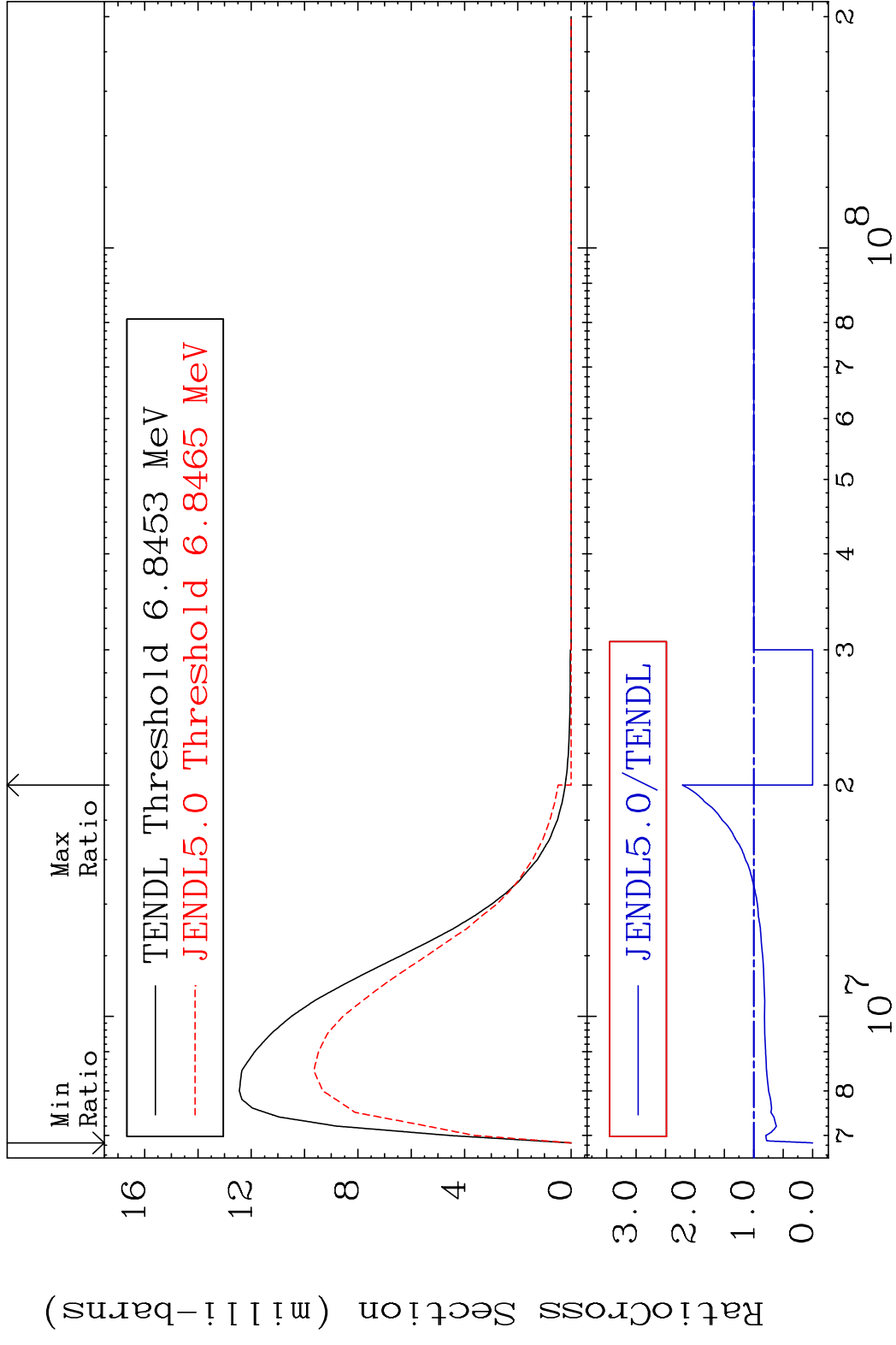
MAT 1428 MT= 70 (n,n') Level 14-Si-29
 Cross Section -100.0 To 103.9 %



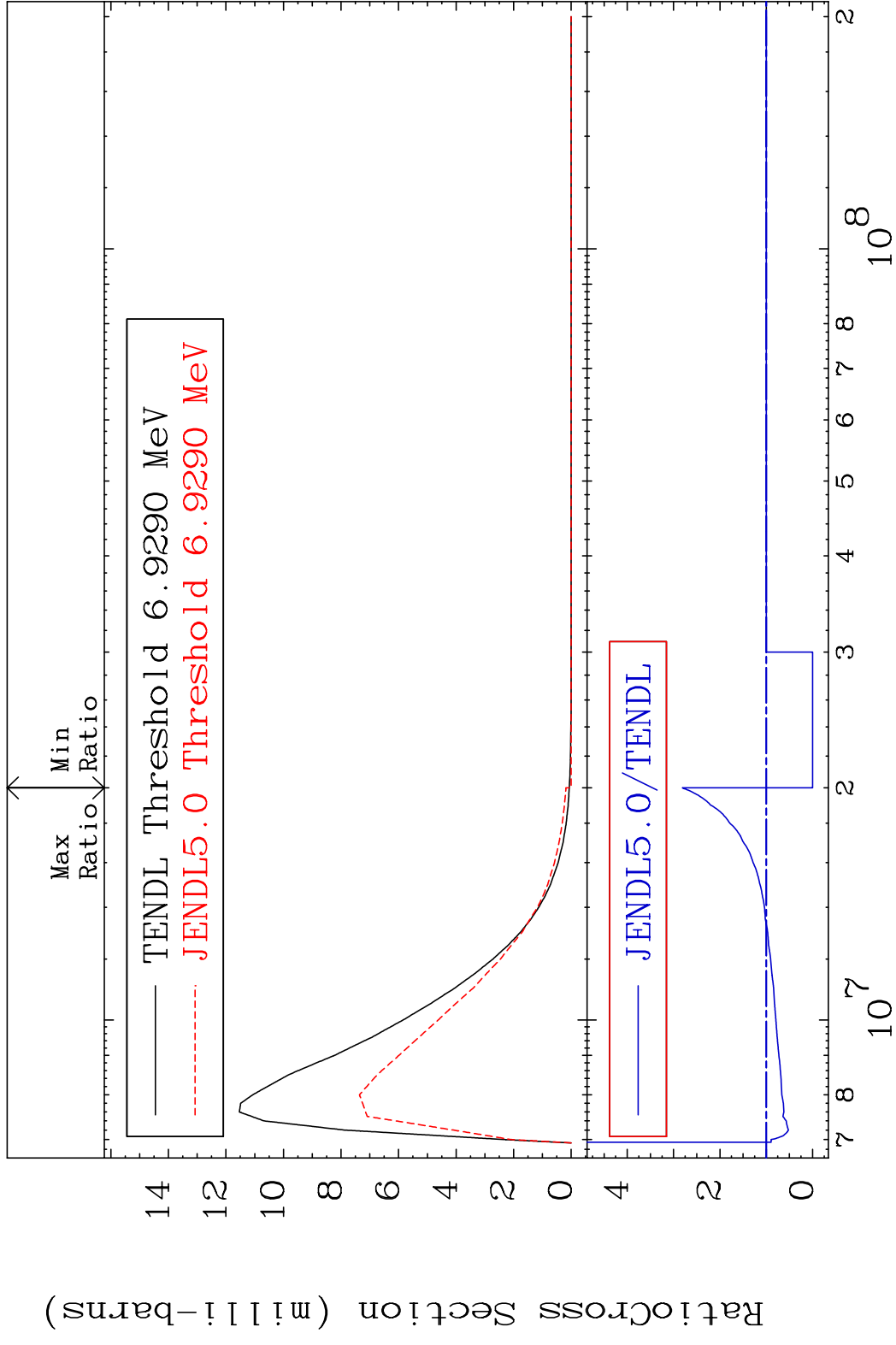
MAT 1428 MT= 71 (n,n') Level 14-Si-29
 Cross Section -100.0 To 171.2 %



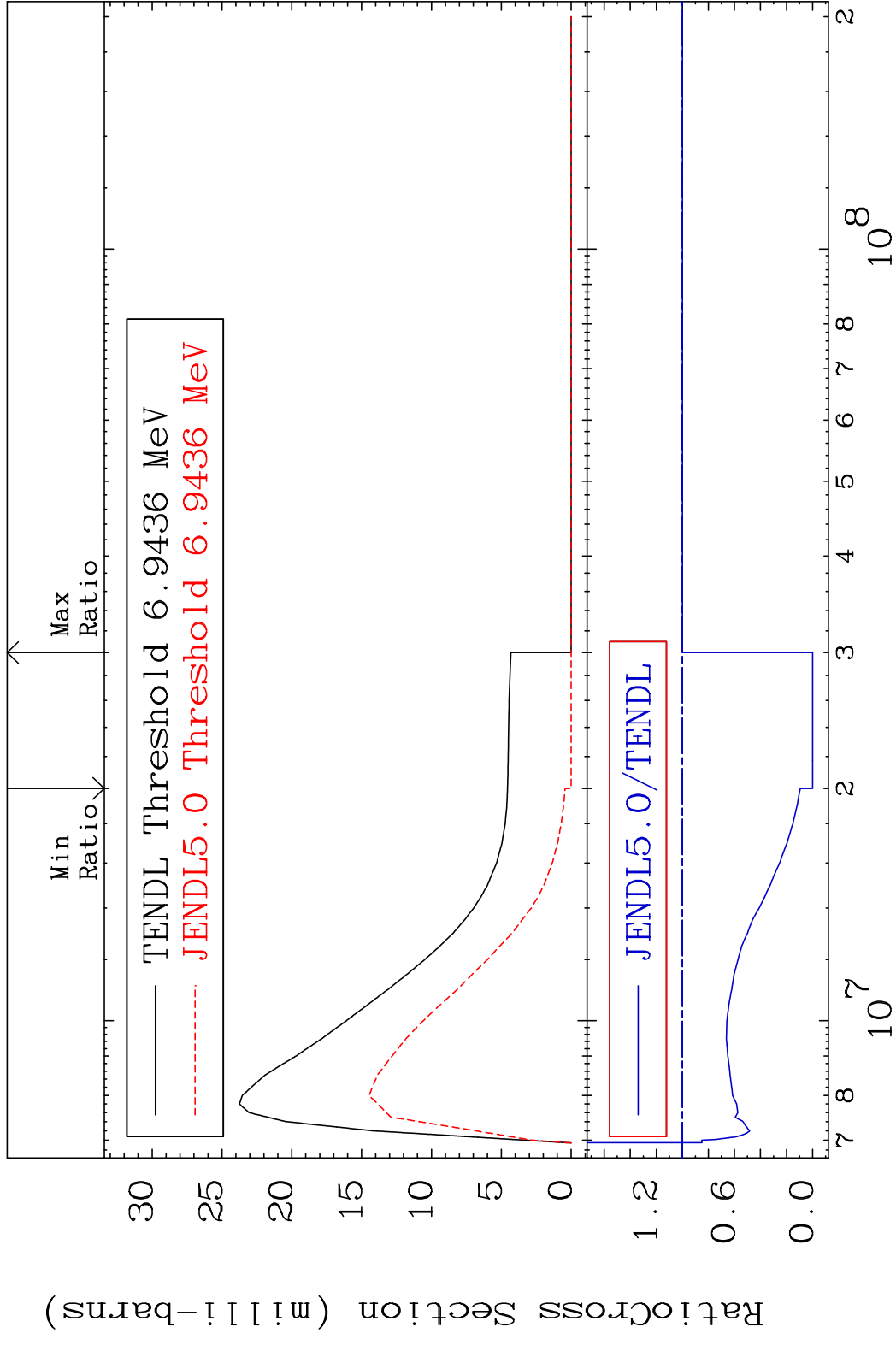
MAT 1428 MT= 72 (n, n') Level 14-Si-29
 Cross Section -100.0 To 121.2 %



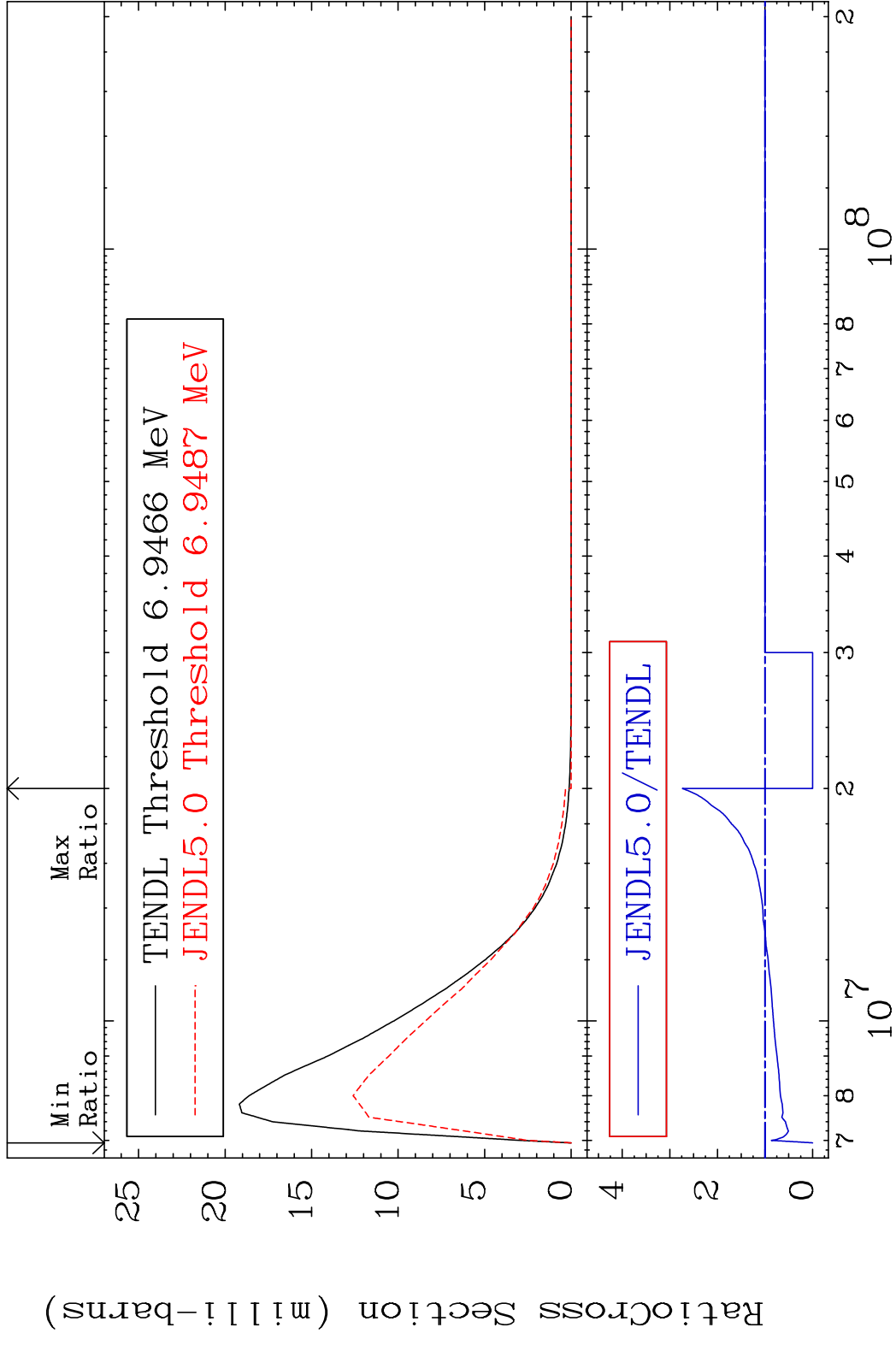
MAT 1428 MT= 73 (n, n') Level 14-Si-29
 Cross Section -100.0 To 181.1 %



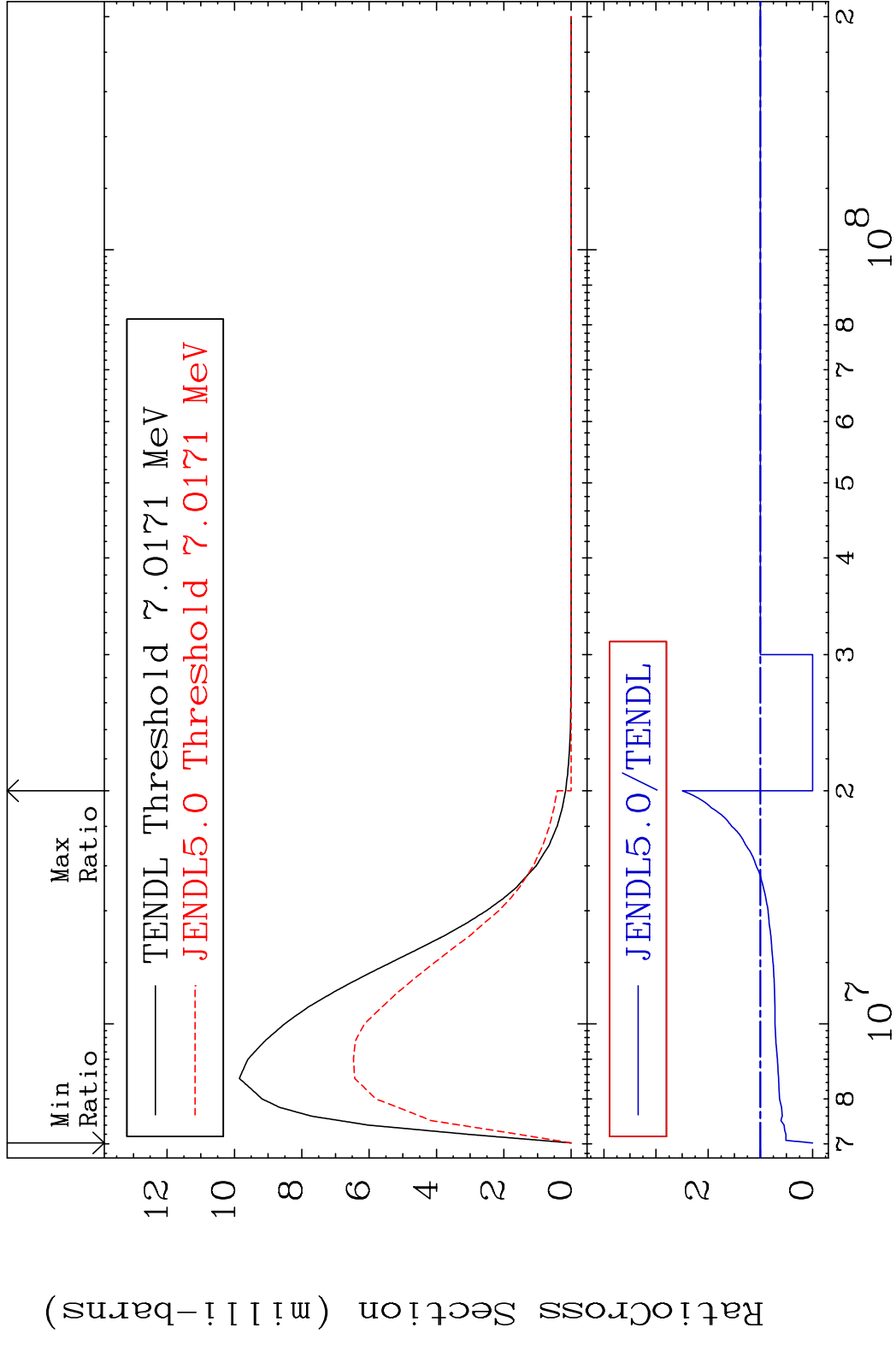
MAT 1428 MT= 74 (n, n') Level 14-Si-29
 Cross Section -100.0 To 0.000 %



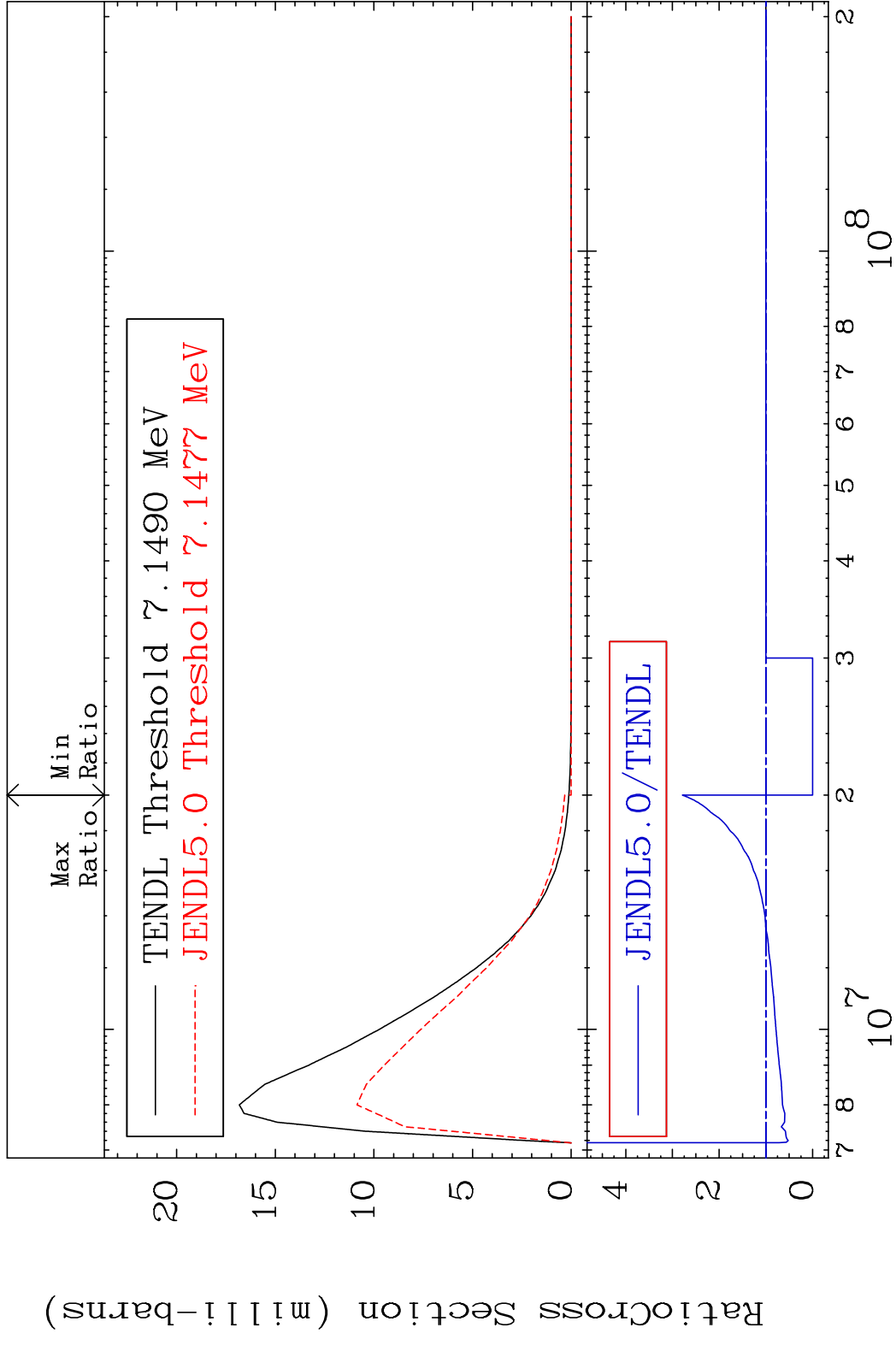
MAT 1428 MT= 75 (n,n') Level 14-Si-29
 Cross Section -100.0 To 173.7 %



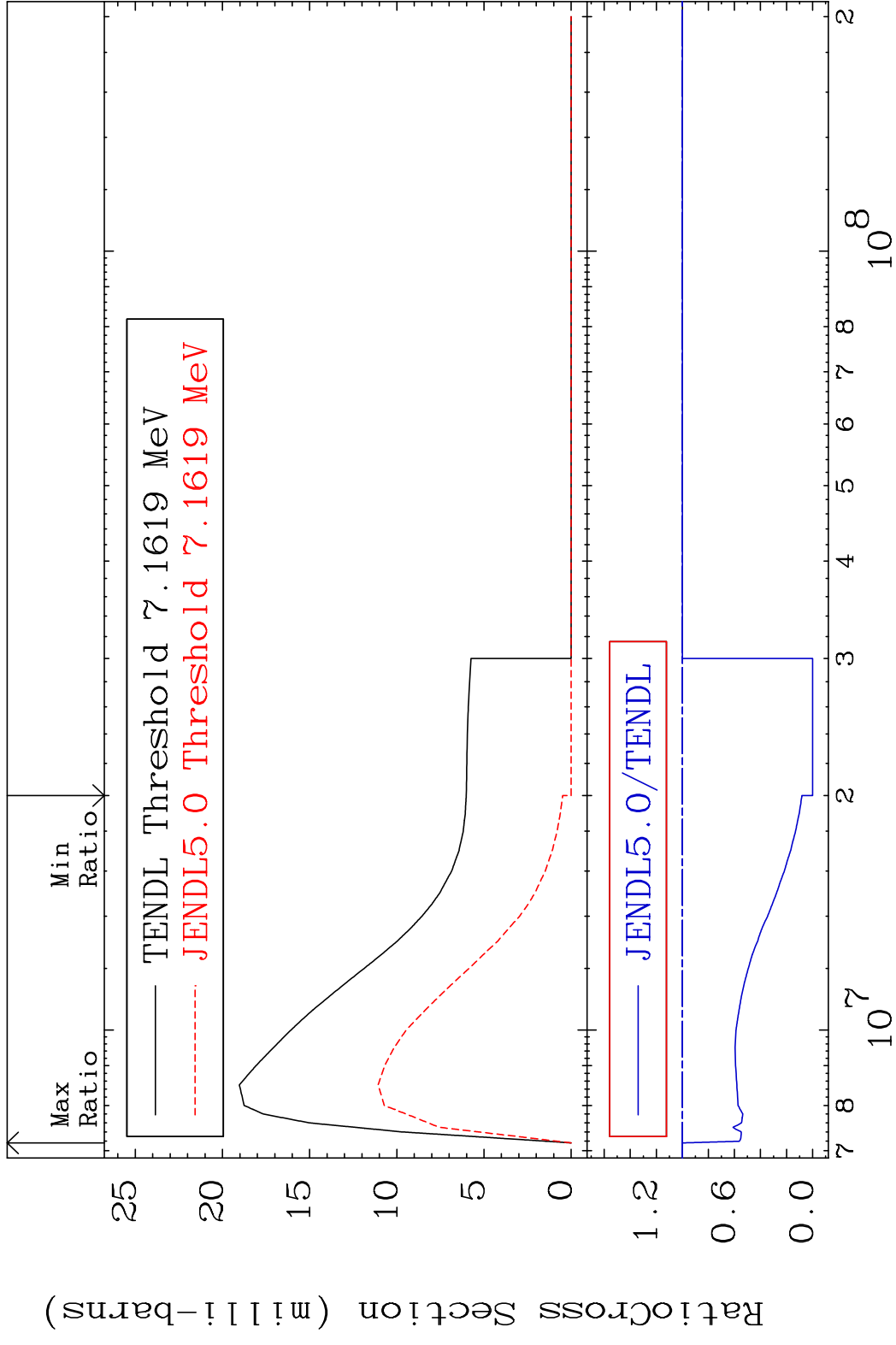
MAT 1428 MT= 76 (n,n') Level 14-Si-29
 Cross Section -100.0 To 149.5 %



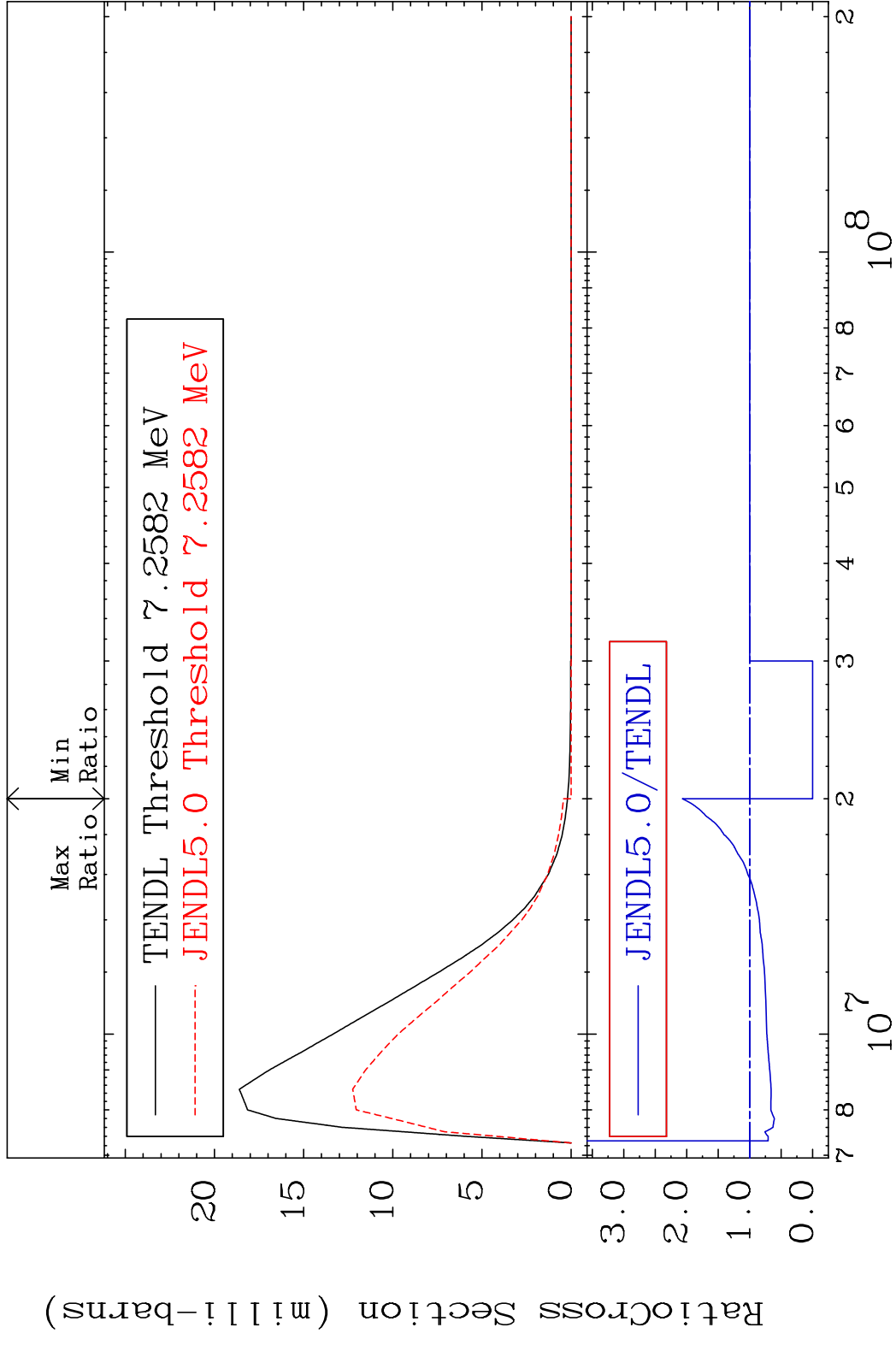
MAT 1428 MT= 77 (n, n') Level 14-Si-29
 Cross Section -100.0 To 178.8 %



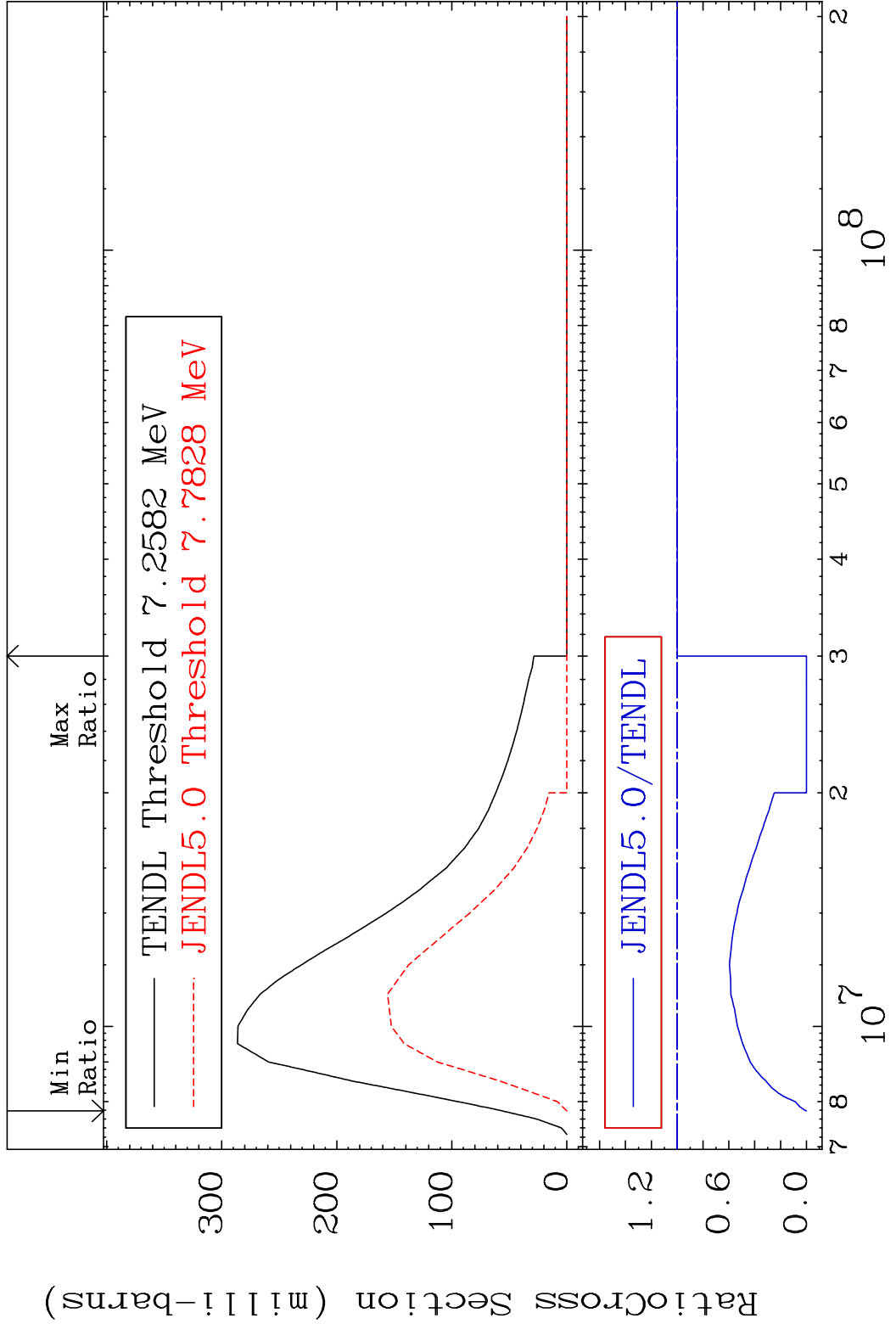
MAT 1428 MT= 78 (n,n') Level 14-Si-29
 Cross Section -100.0 To 0.000 %



MAT 1428 MT= 79 (n,n') Level 14-Si-29
 Cross Section -100.0 To 107.0 %



MAT 1428 (n,n') Continuum 14-Si-29
 Cross Section -100.0 To 0.000 %

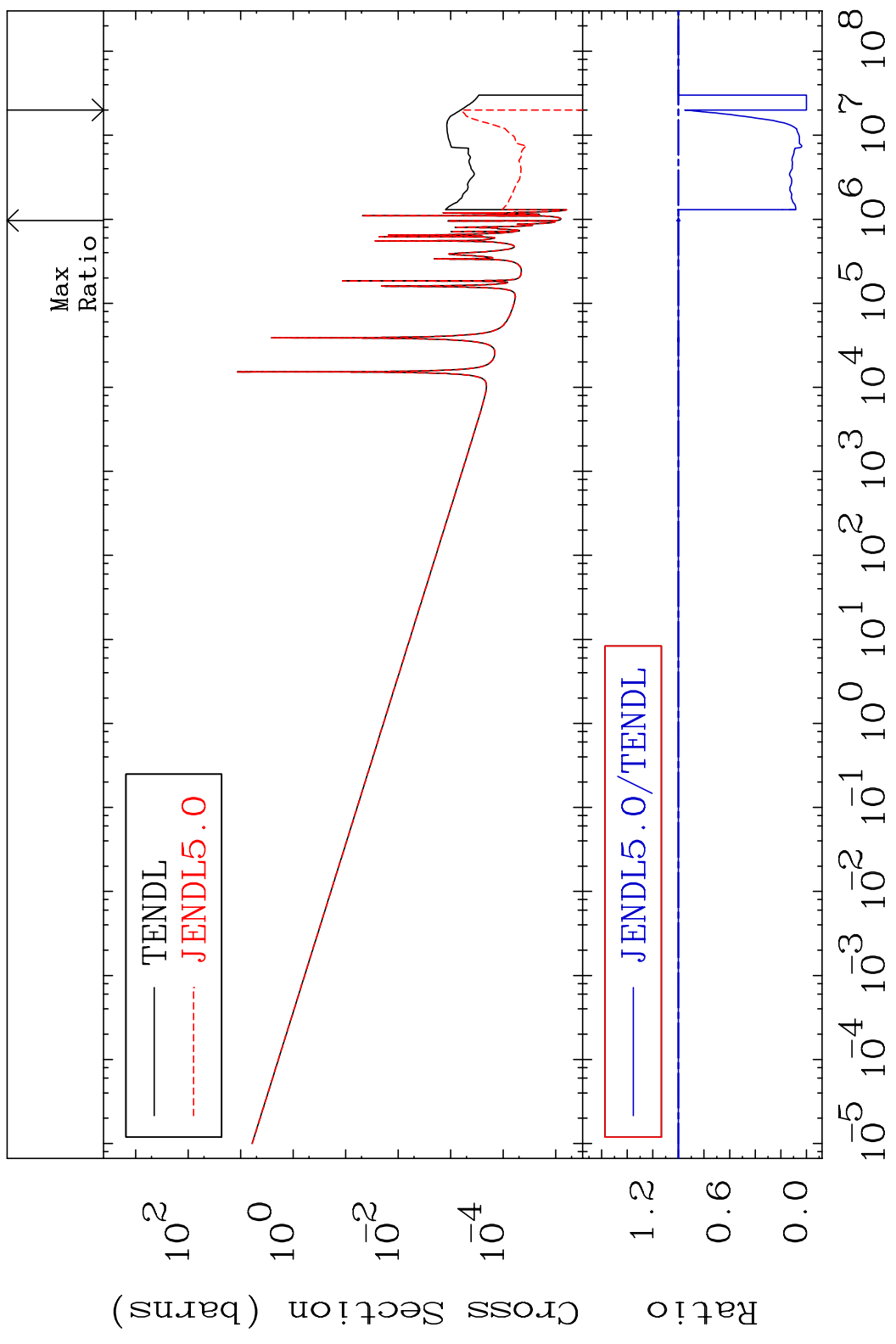


MAT 1428

(n, γ)

14-Si-29

Cross Section -100.0 To 0.971 %



38

Incident Energy (eV)

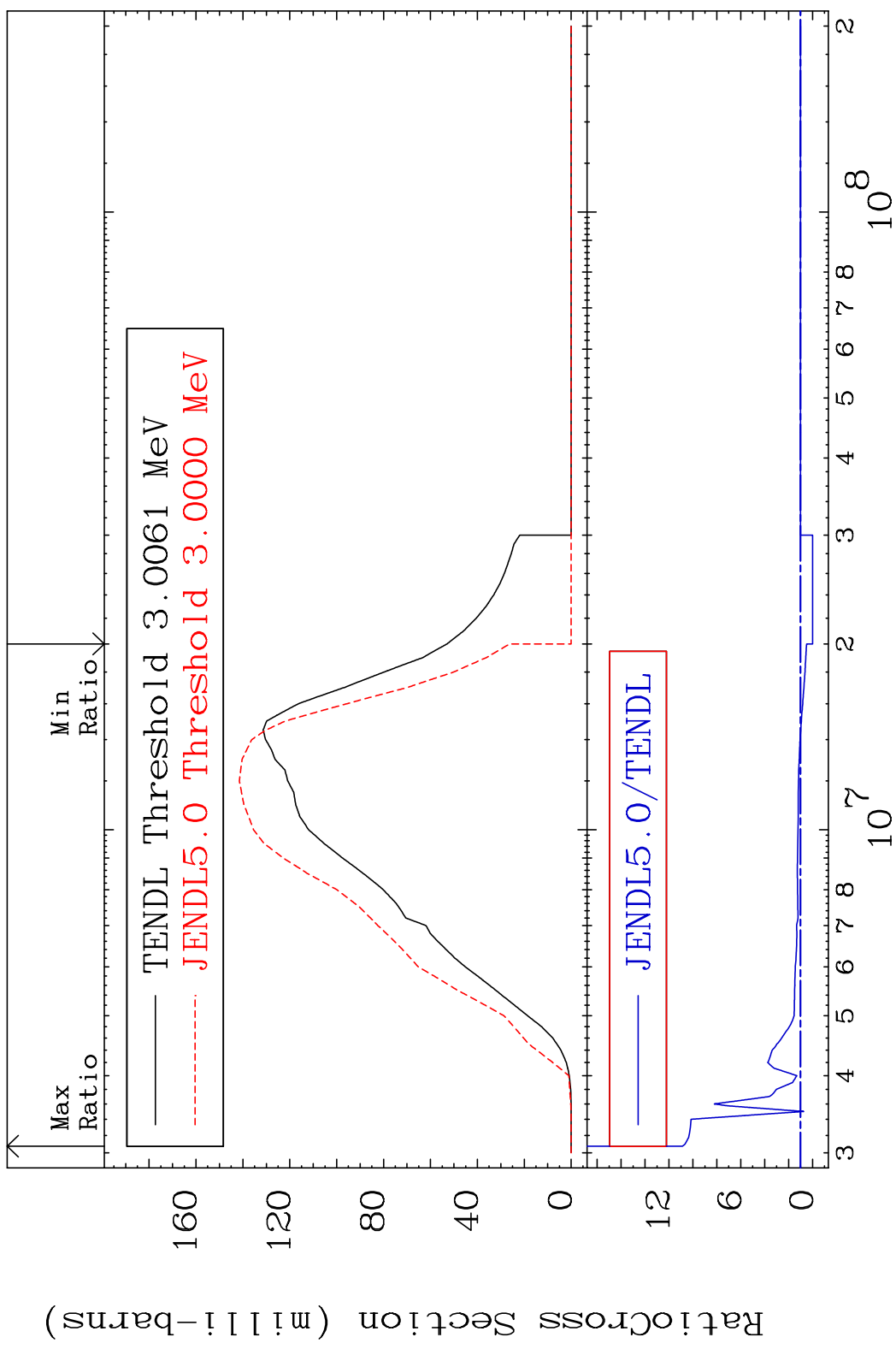
14-Si-29

MAT 1428

(n,p)

¹⁴Si-29

Cross Section -100.0 To 988.1 %



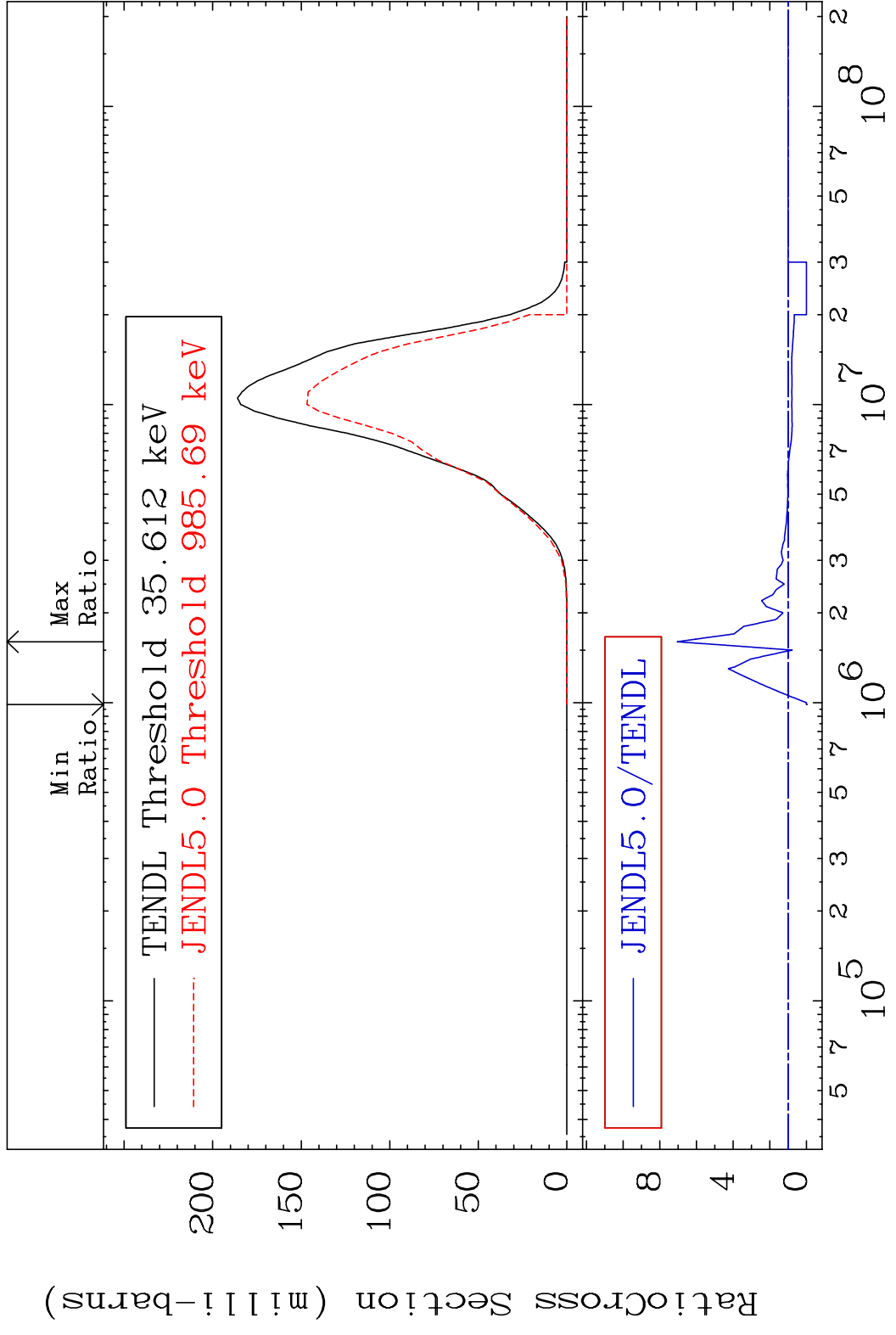
39

Incident Energy (eV)

¹⁴Si-29

MAT 1428

(n, α) $^{14}\text{Si-29}$
Cross Section -100.0 To 605.3 %



40

Incident Energy (eV)

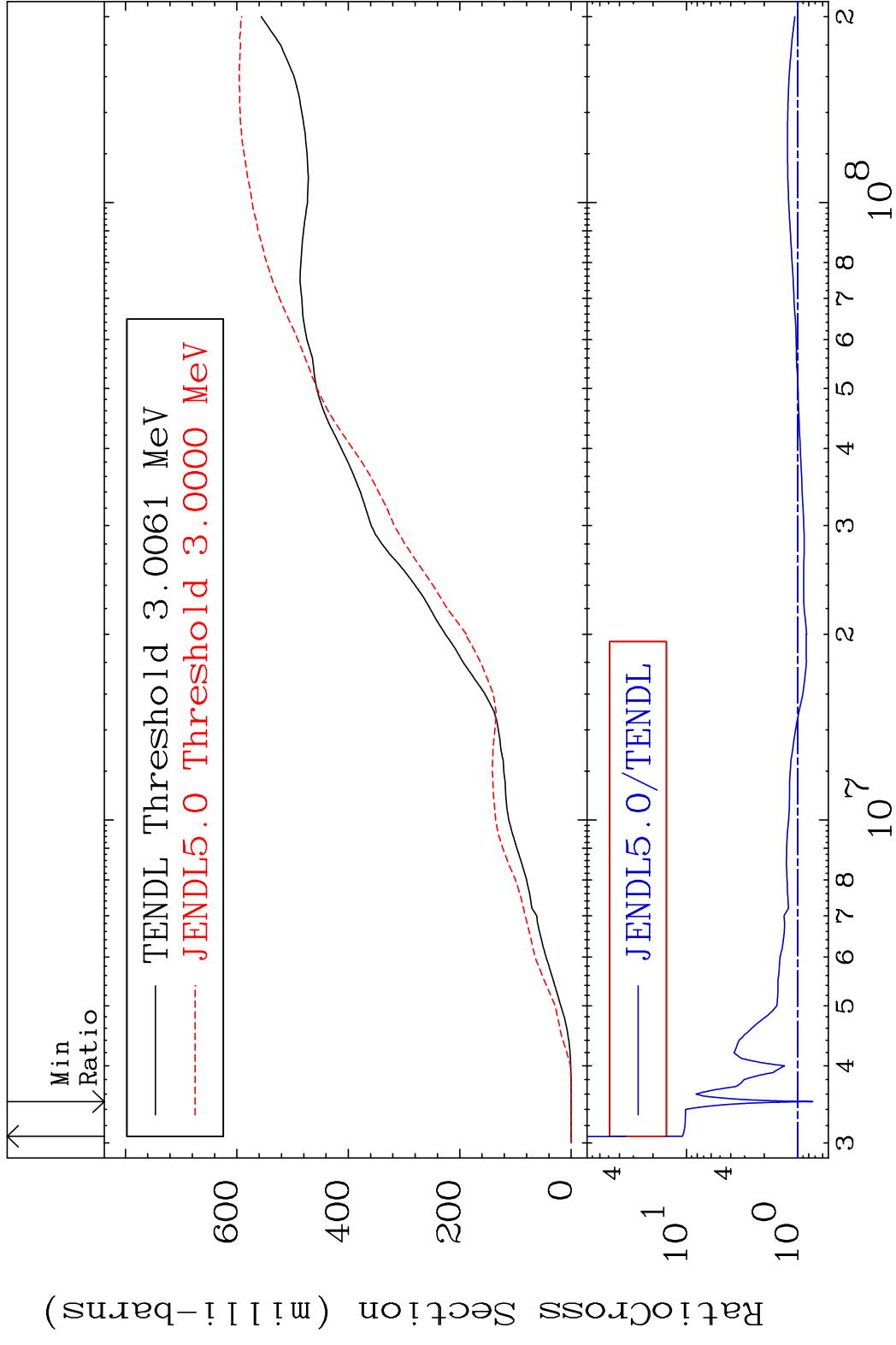
$^{14}\text{Si-29}$

MAT 1428

Hydrogen Production

14-Si-29

Cross Section -26.23 To 988.1 %

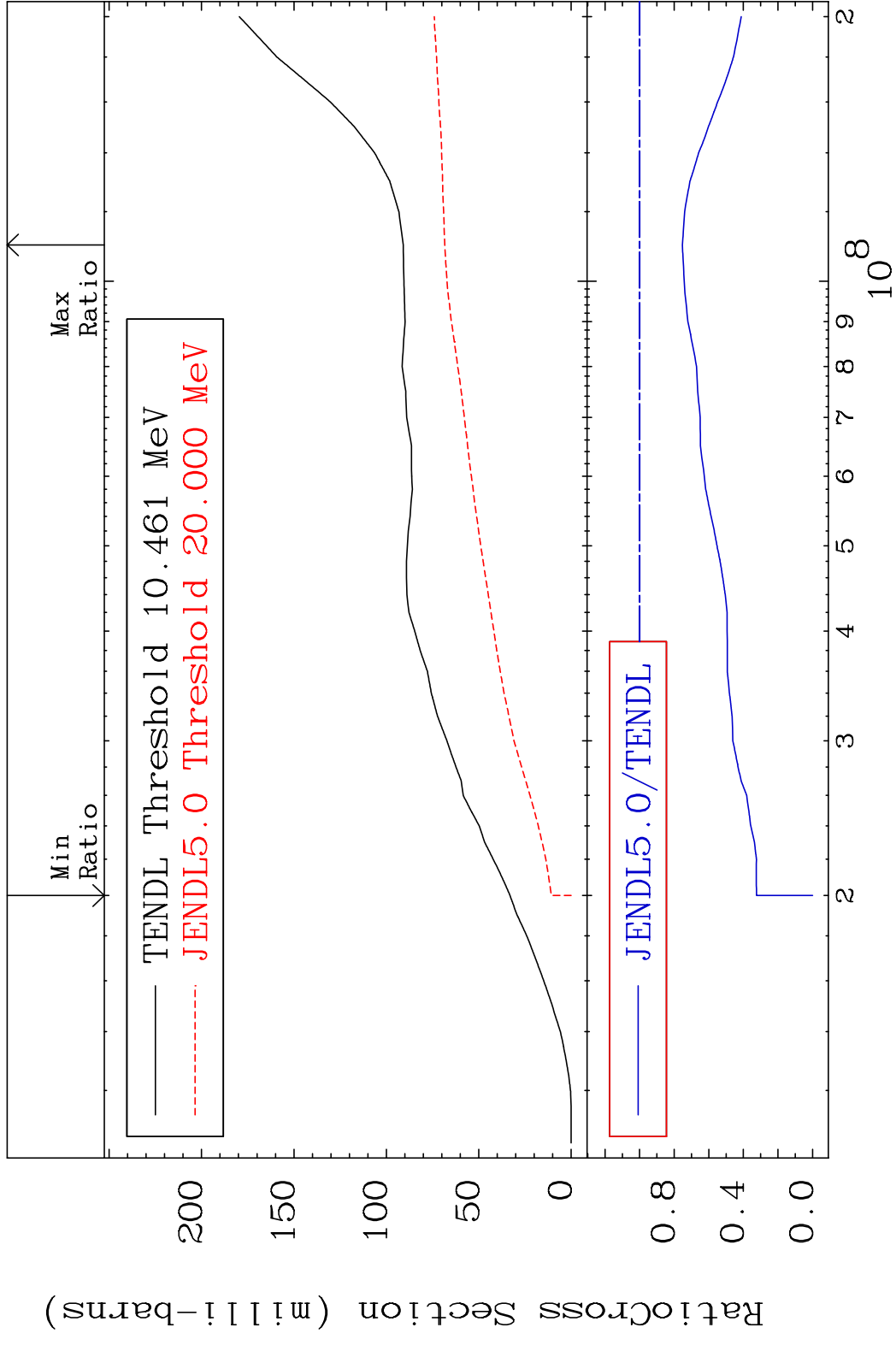


MAT 1428

Deuterium Production

¹⁴Si-29

Cross Section -100.0 To -24.71%

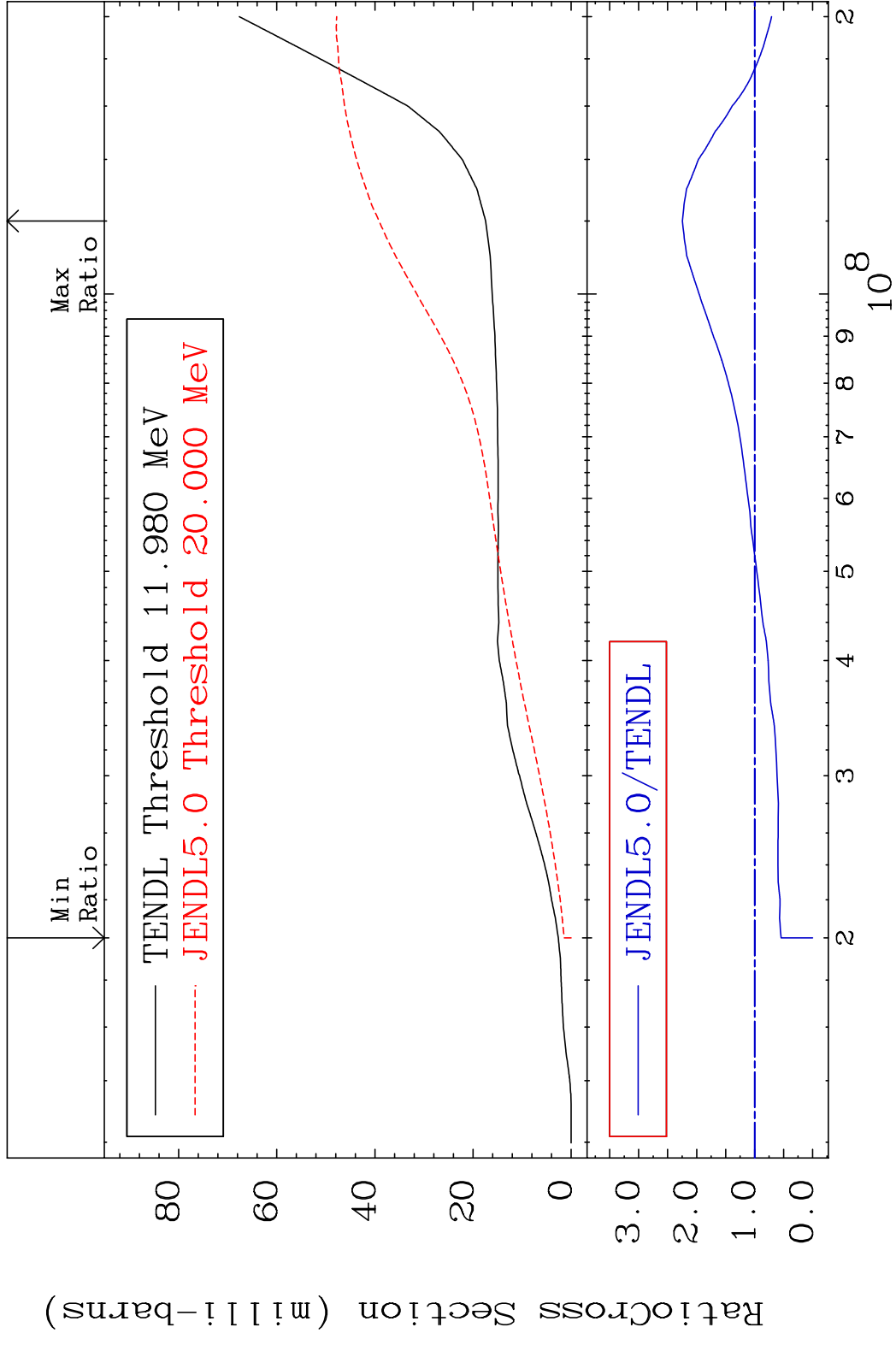


42

Incident Energy (eV)

¹⁴Si-29

MAT 1428 Tritium Production 14-Si-29
 Cross Section -100.0 To 124.7 %

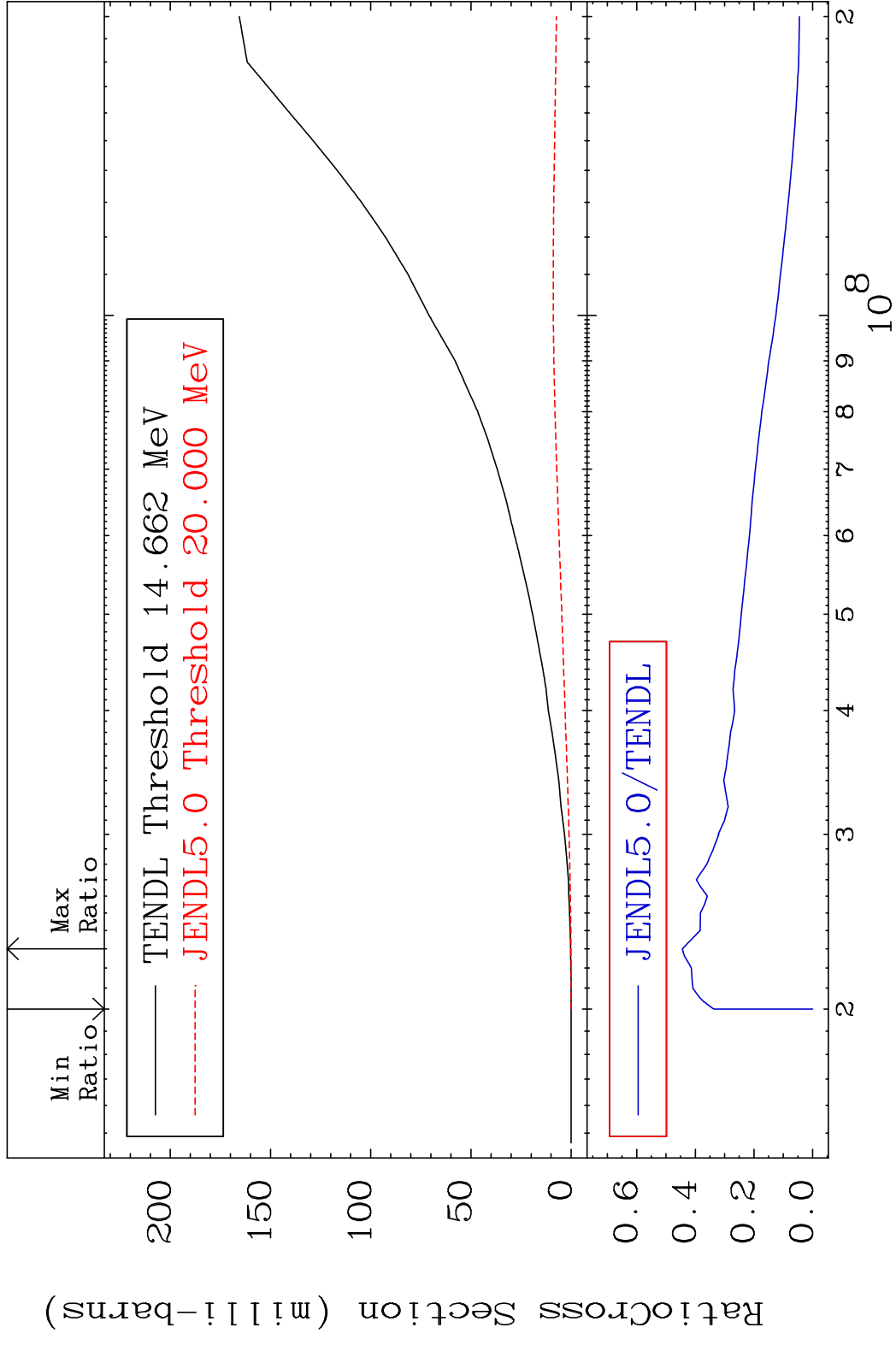


MAT 1428

He-3 Production

14-Si-29

Cross Section -100.0 To -55.58%



44

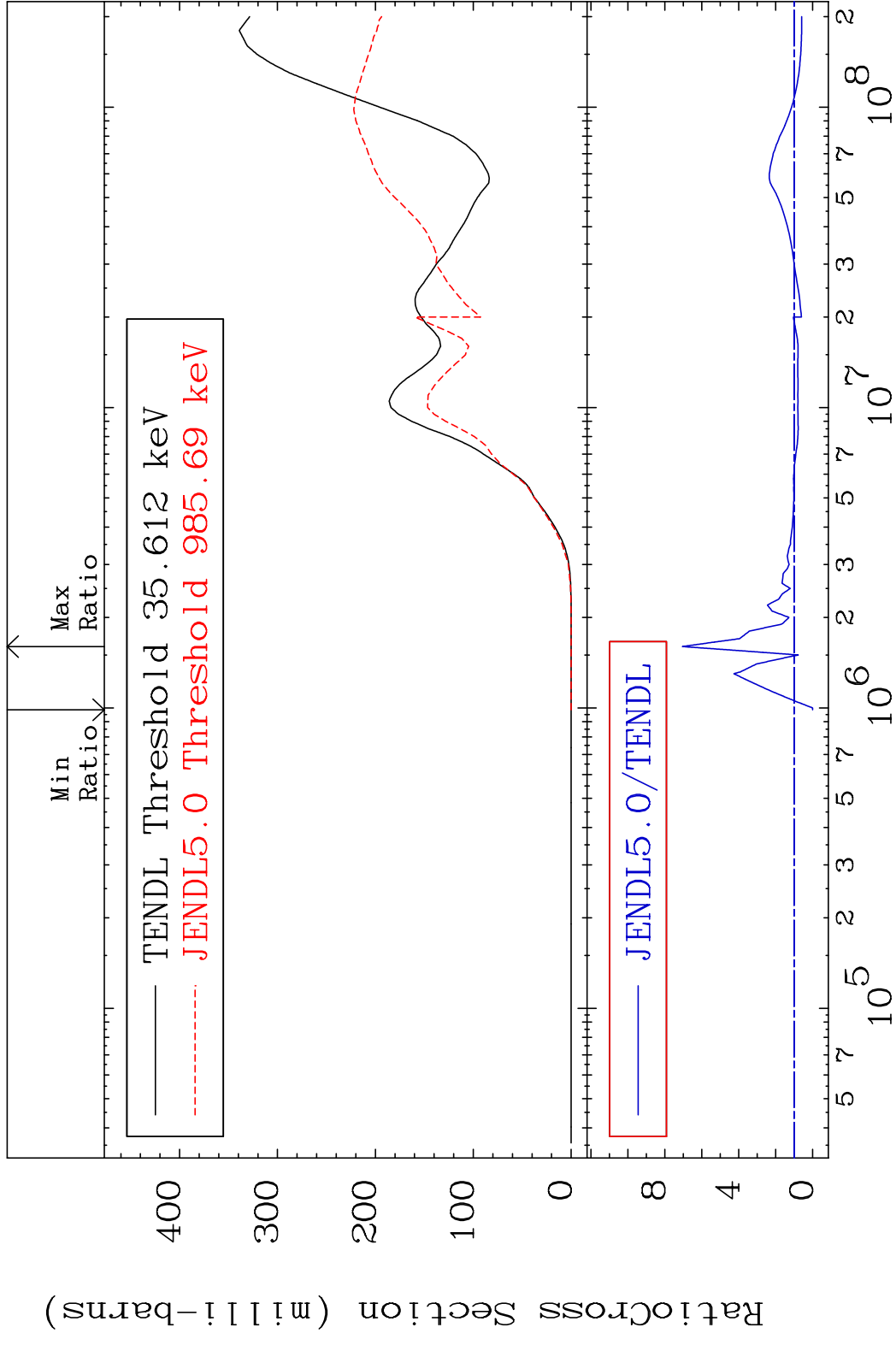
14-Si-29

MAT 1428

He-4 Production

¹⁴Si-29

Cross Section -100.0 To 605.3 %



45

Incident Energy (eV)

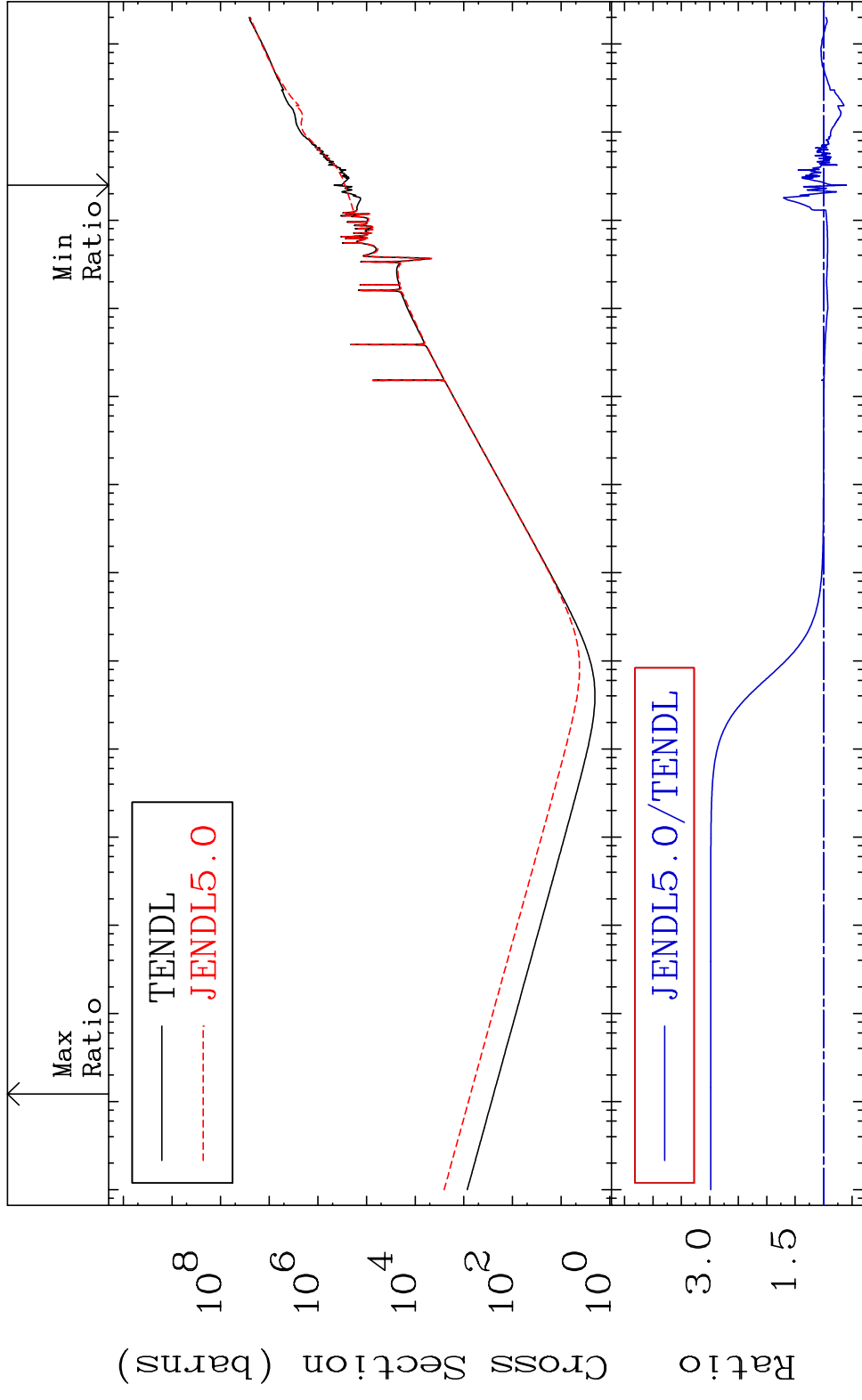
¹⁴Si-29

MAT 1428

Kerma total (eV-barns)

14-Si-29

Cross Section -40.06 To 198.4 %



46

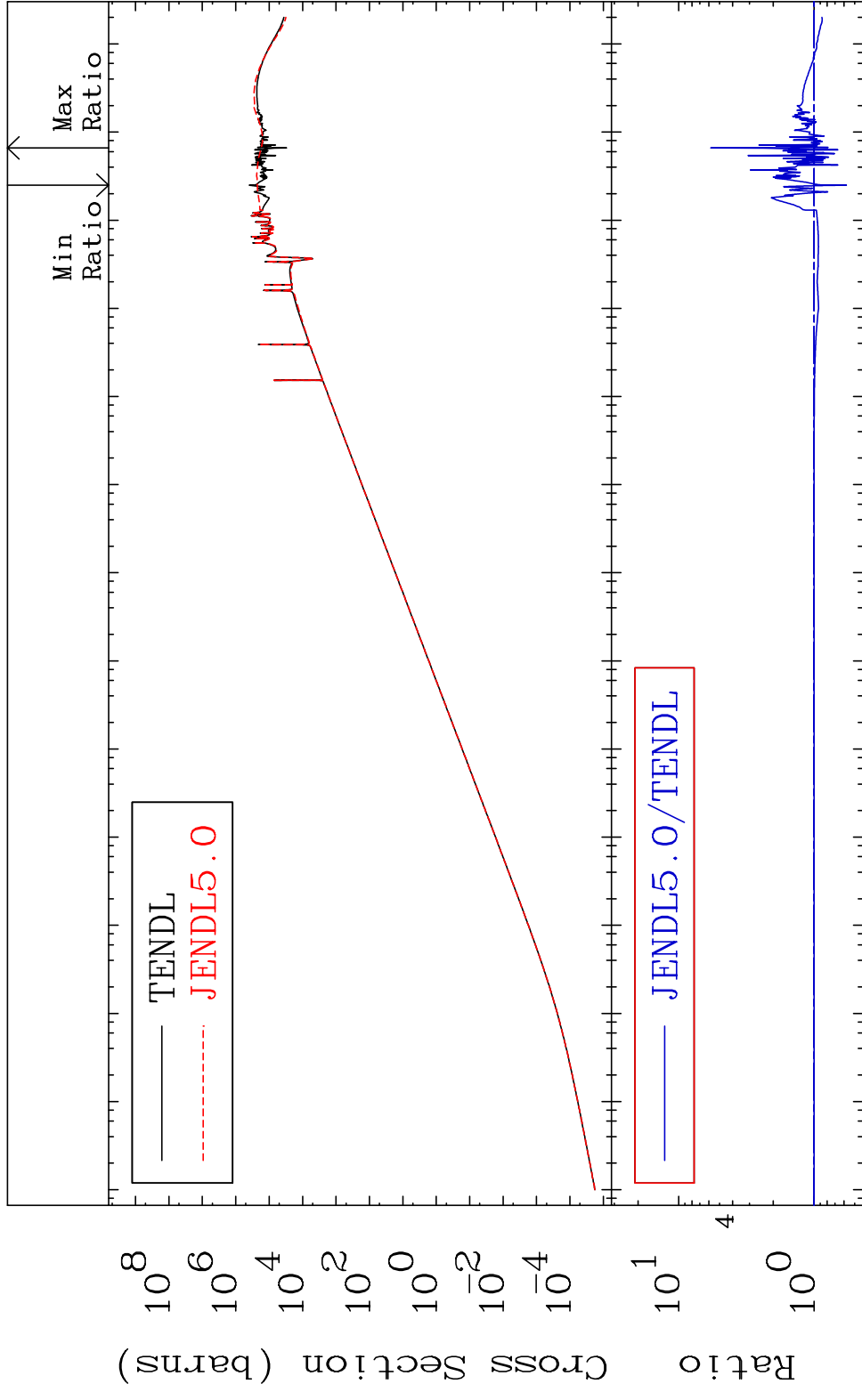
Incident Energy (eV)

14-Si-29

MAT 1428

Kerma elastic
Cross Section

14-Si-29
-42.31 To 480.6 %

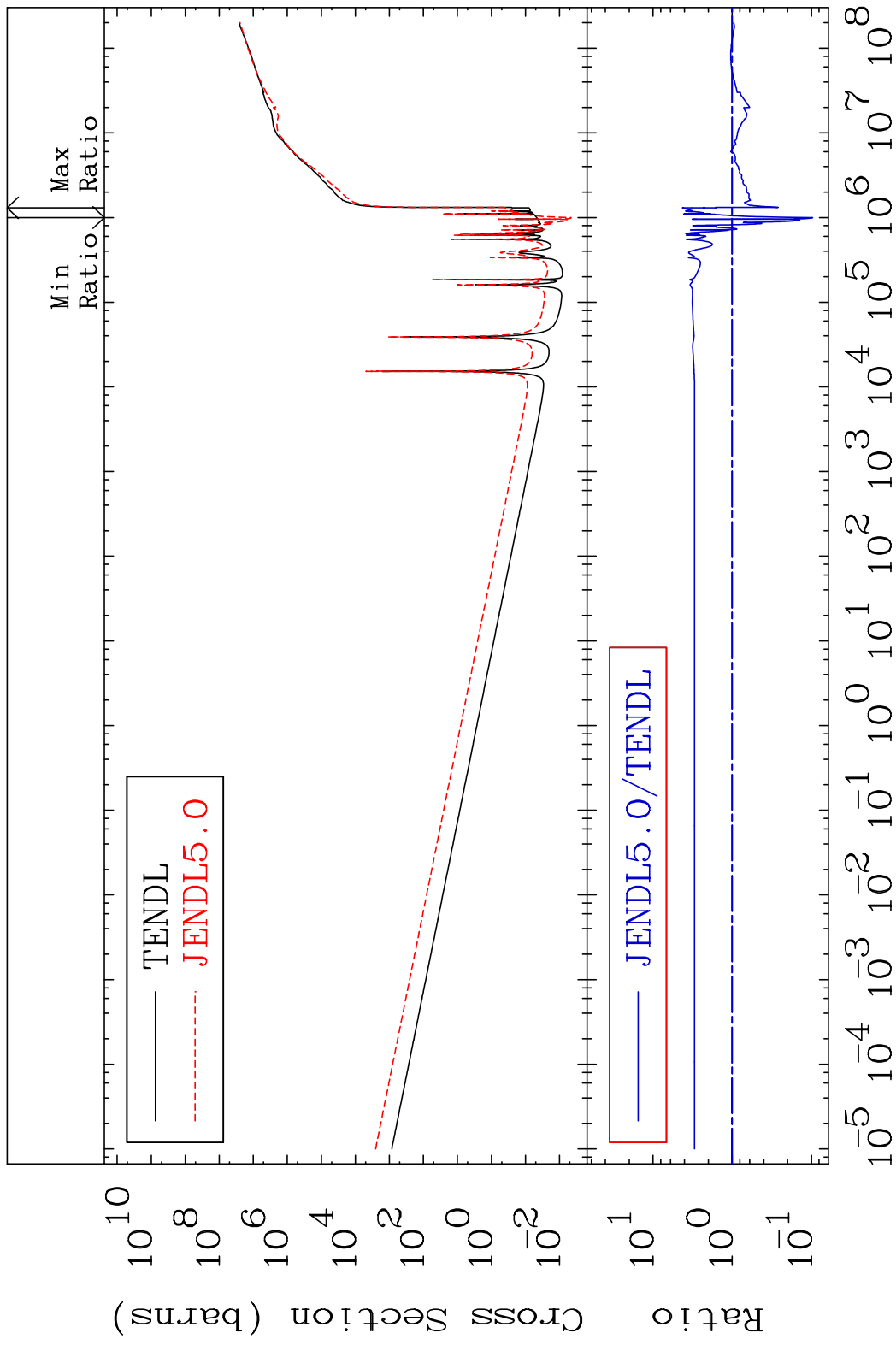


Ratio
Cross Section (barns)
Incident Energy (eV)

47

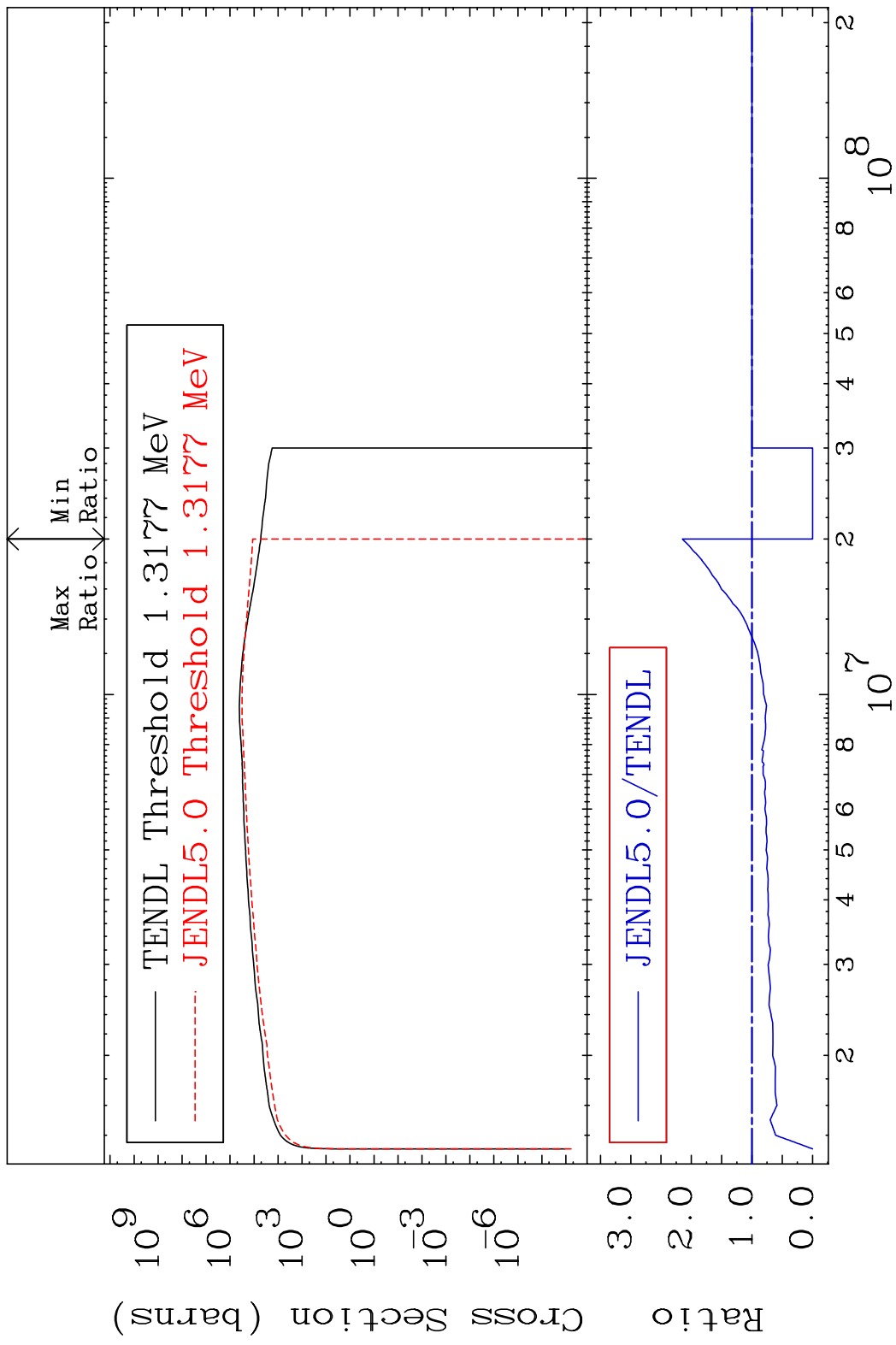
14-Si-29

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

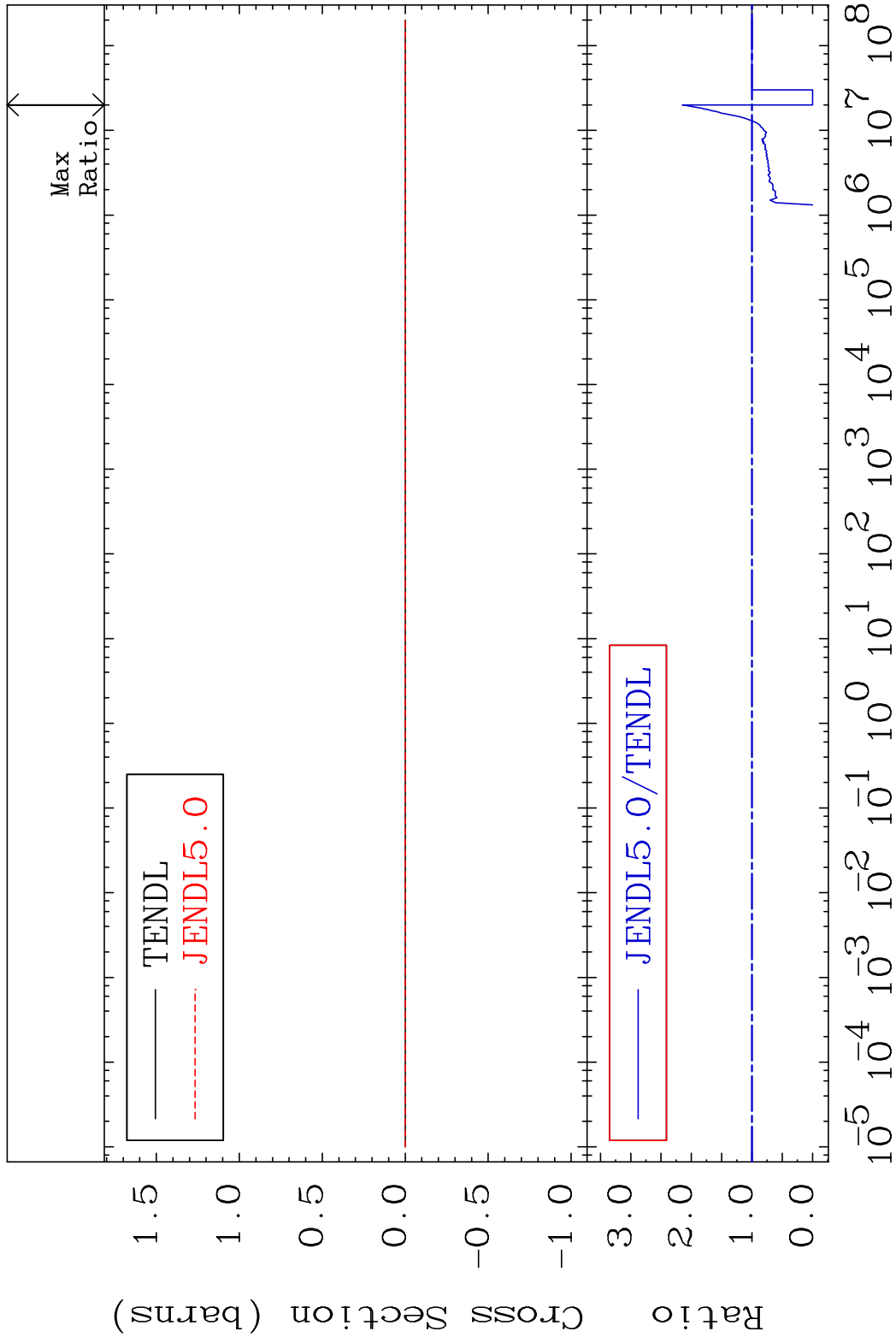


48 Incident Energy (eV) 14-Si-29

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

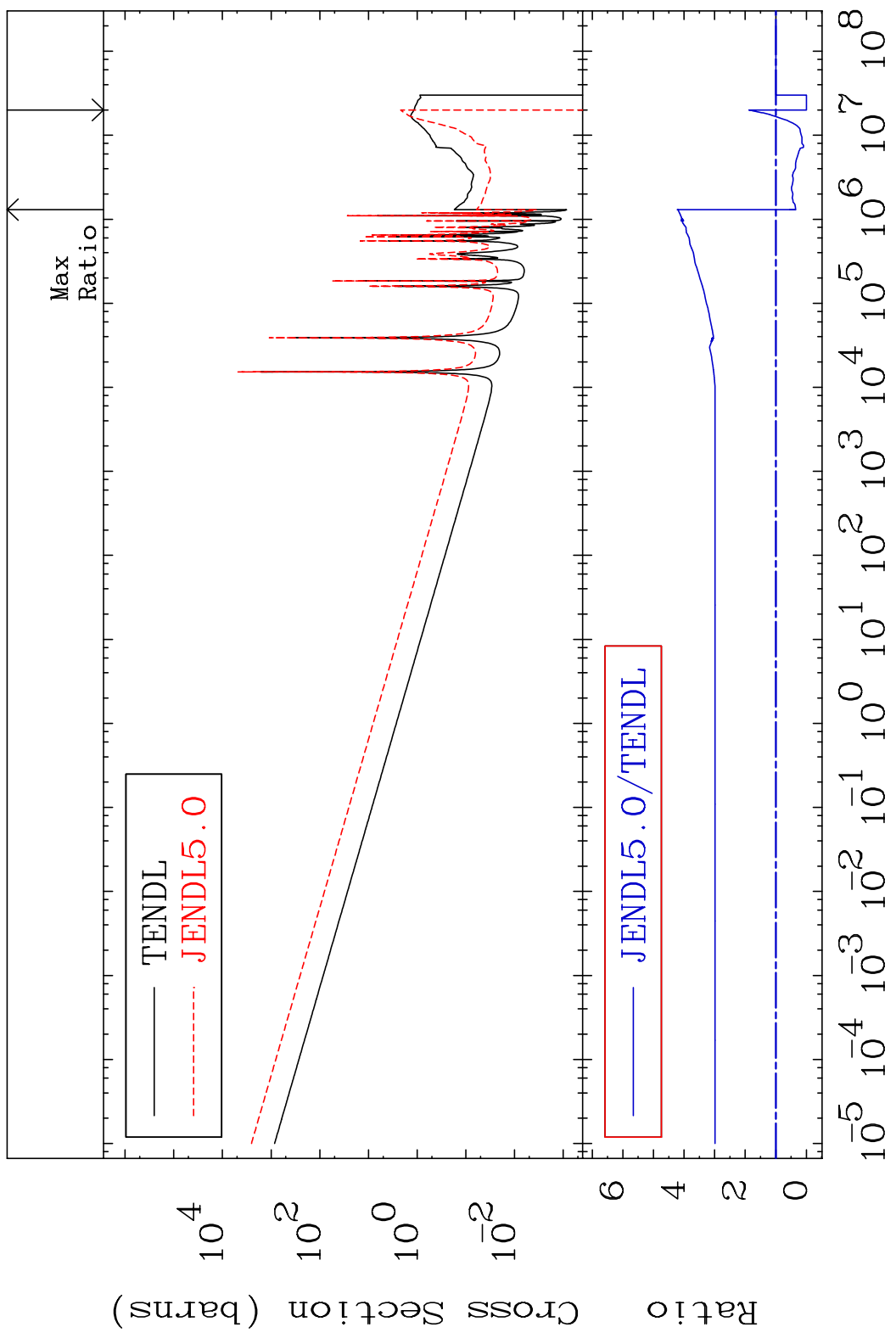


MAT 1428 Kerma fission (mt18 or mt19-20-21-38) 14-Si-29
 Cross Section -100.0 To 114.8 %



MAT 1428

Kerma capture (mt102) 14-Si-29
Cross Section -100.0 To 322.4 %



51

Incident Energy (eV)

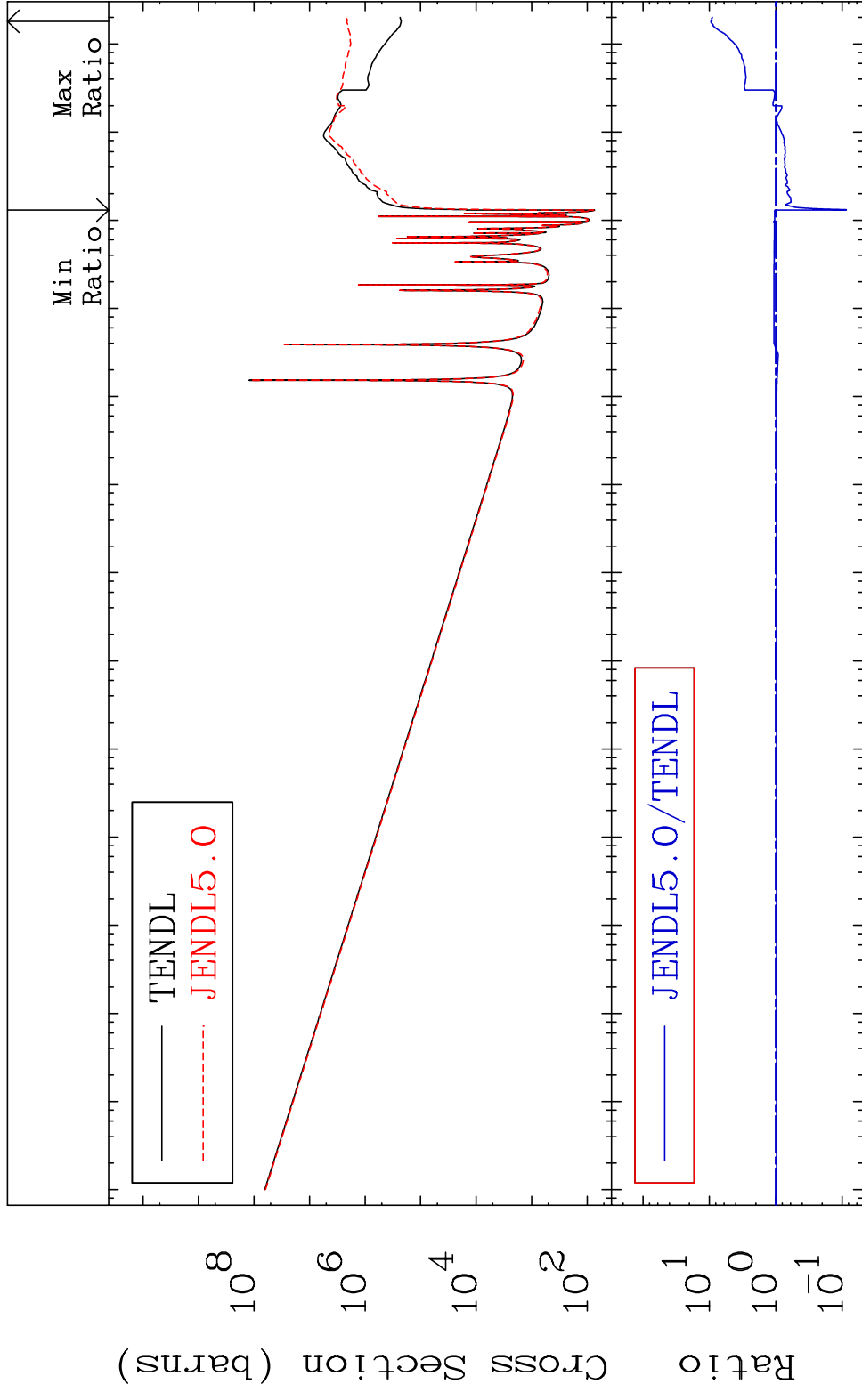
14-Si-29

MAT 1428

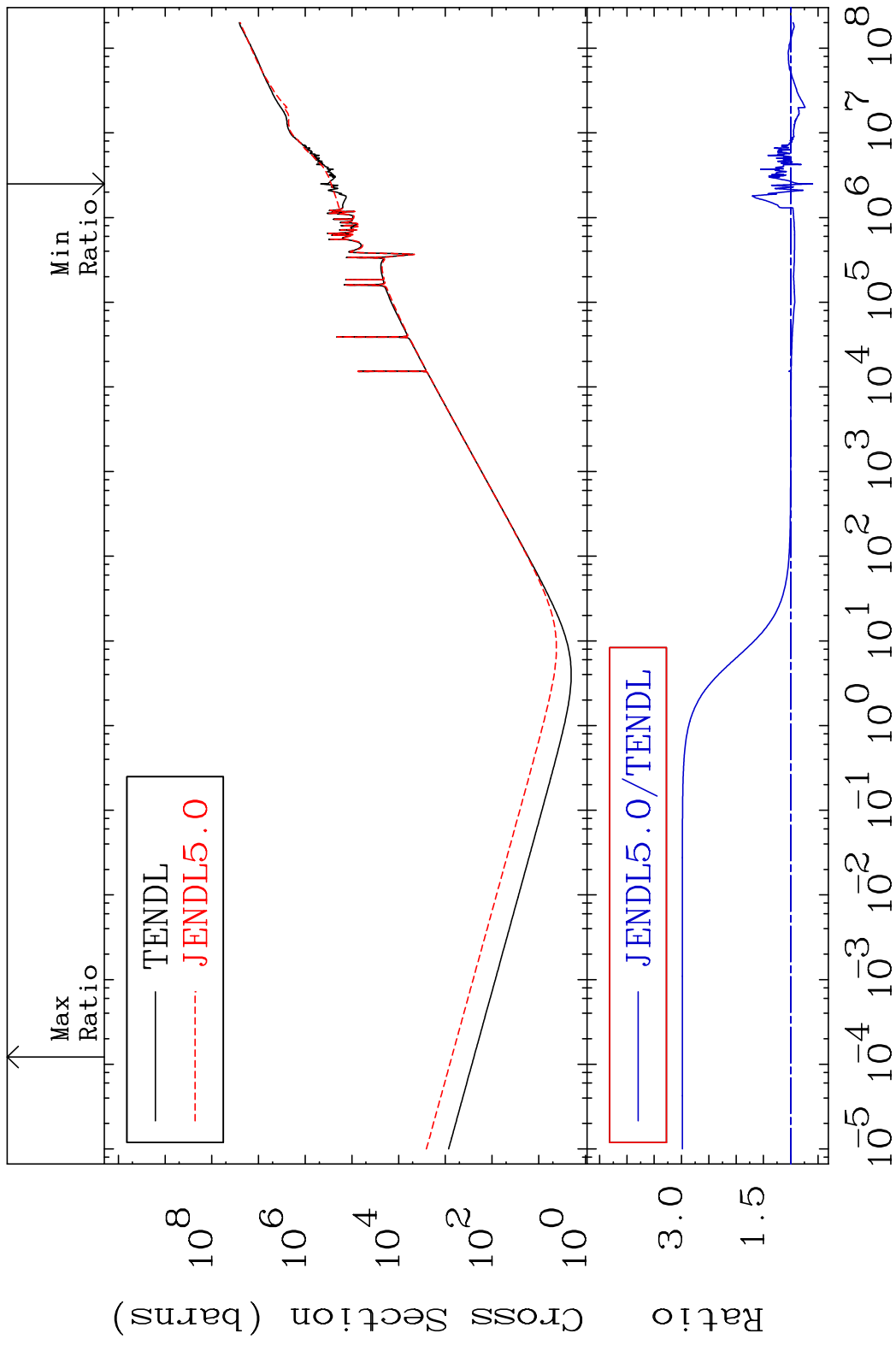
Total photon (eV-barns)

14-Si-29

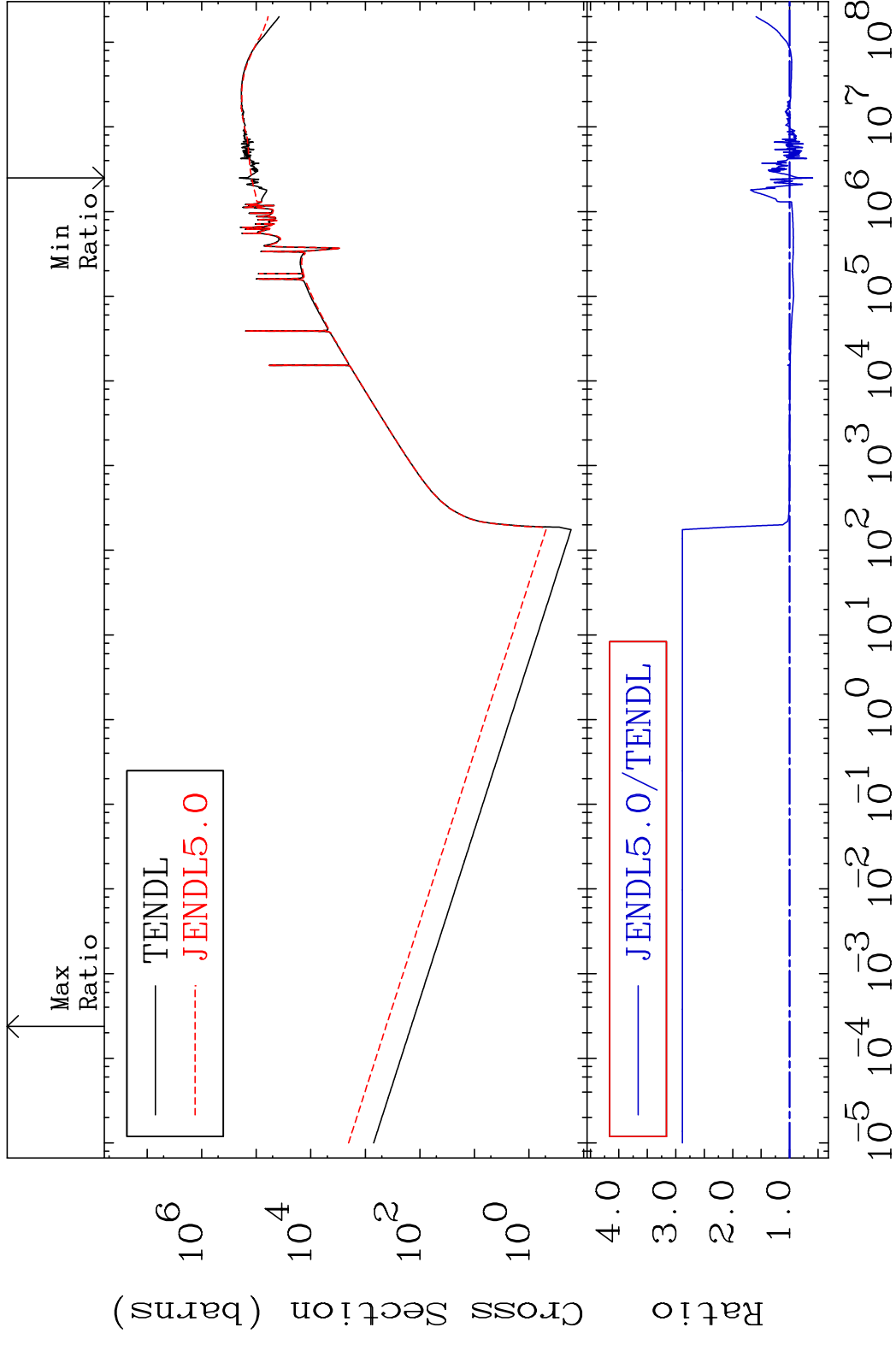
Cross Section -91.37 To 855.6 %



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 %

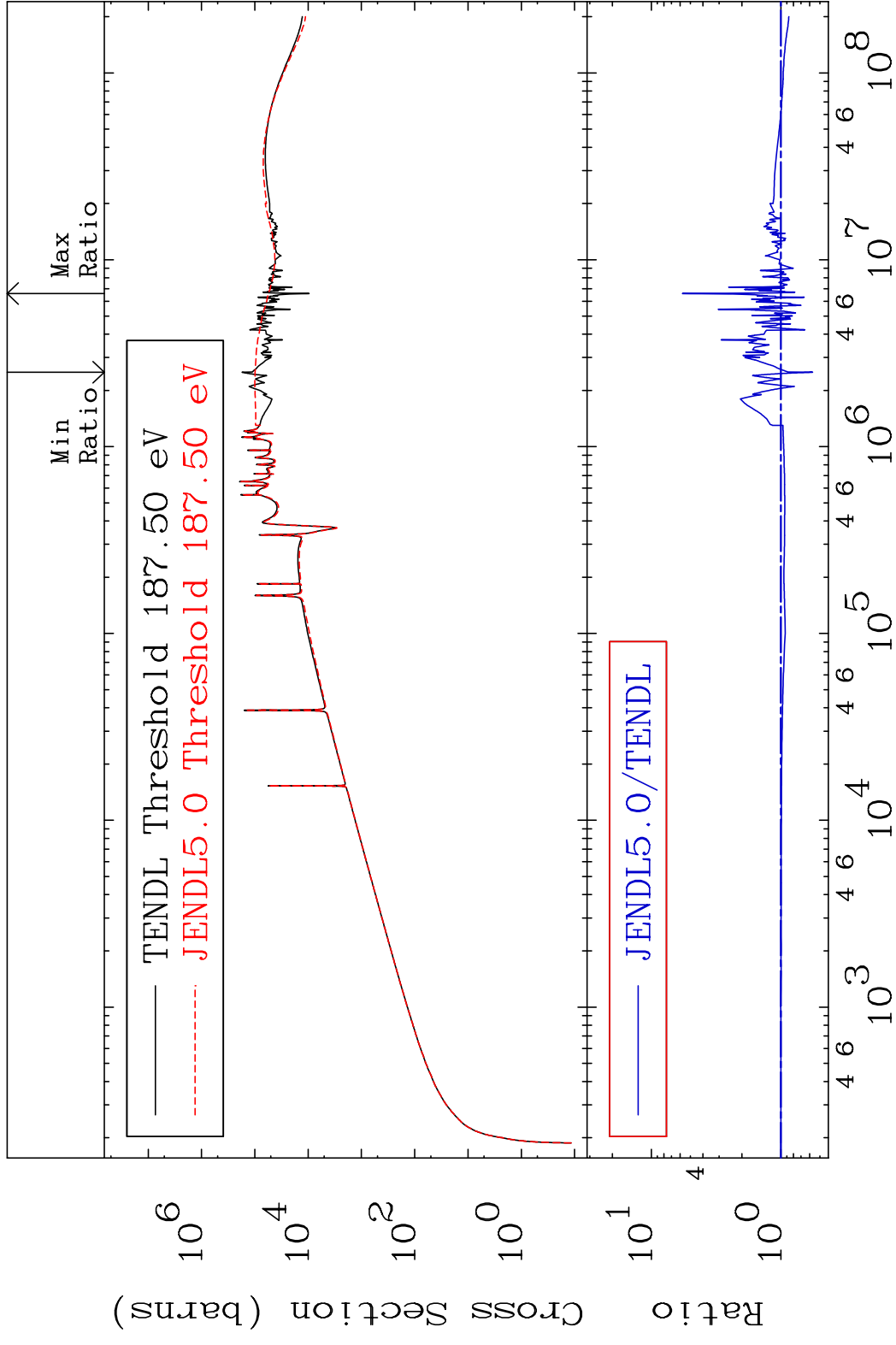


MAT 1428

Dpa elastic (mt2)

14-Si-29

Cross Section -42.98 To 477.4 %

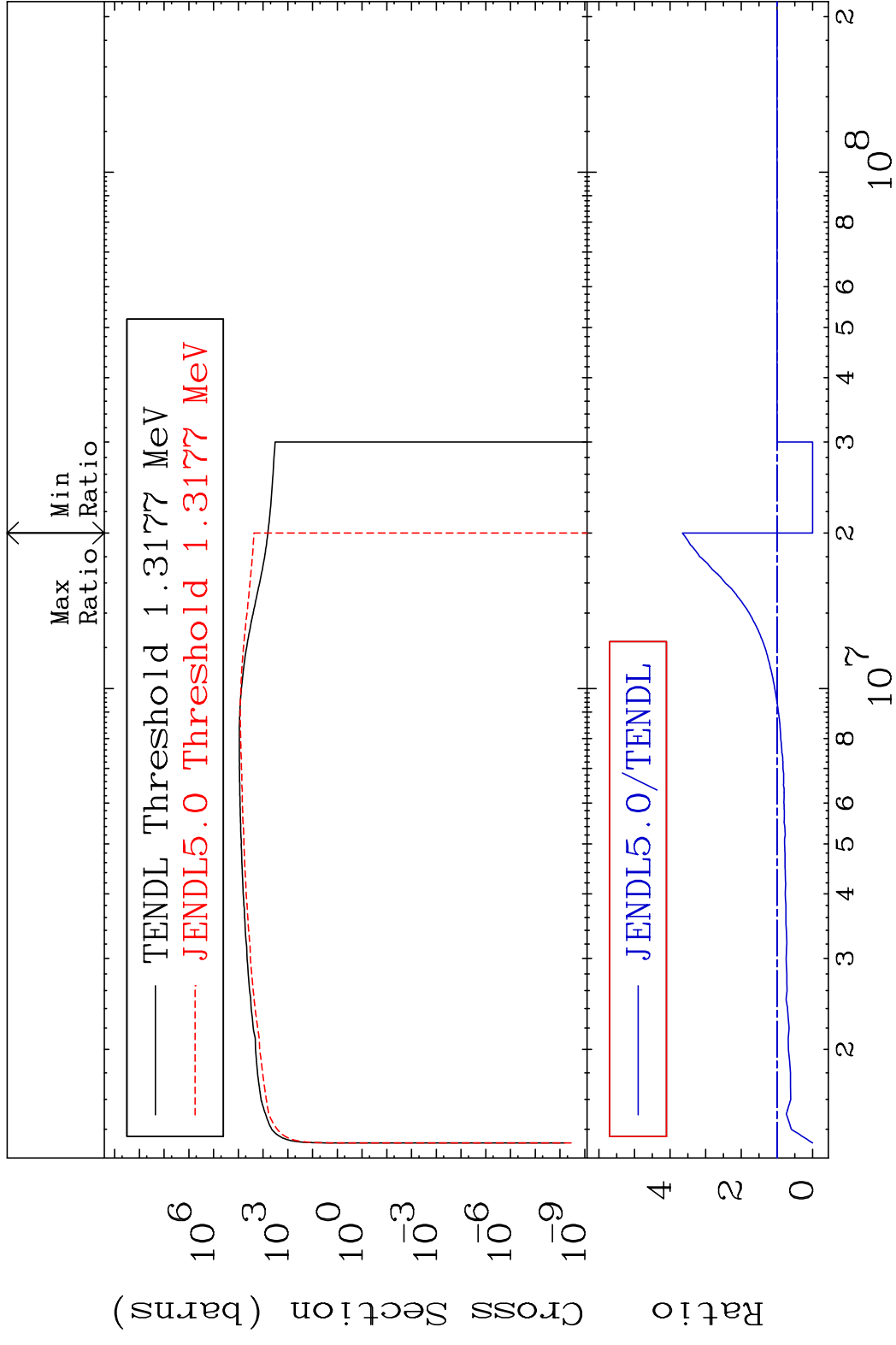


MAT 1428

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 %

