

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

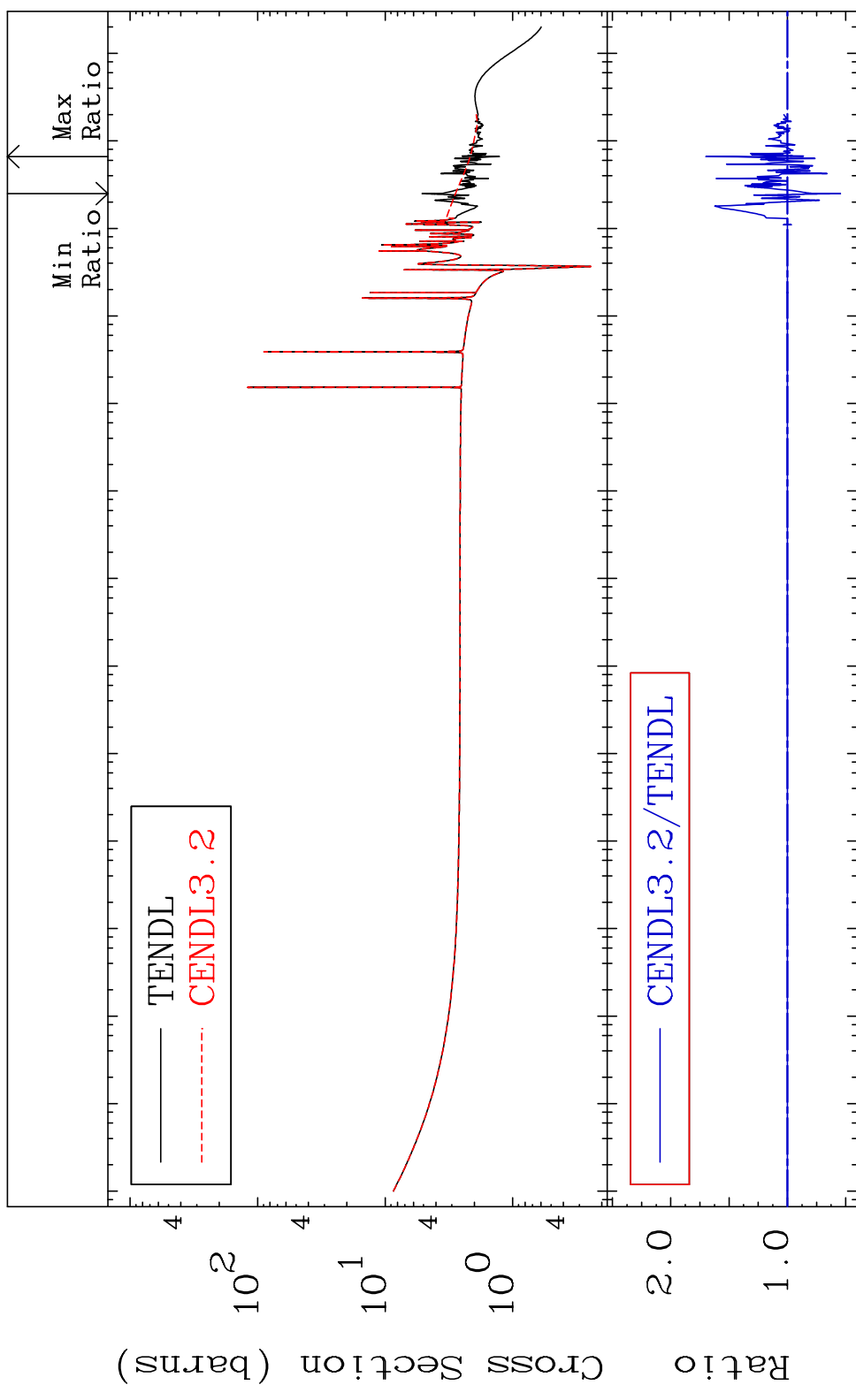
MAT 1428

Total

14-Si-29

Cross Section

-45.47 To 69.99 %



1

Incident Energy (eV)

14-Si-29

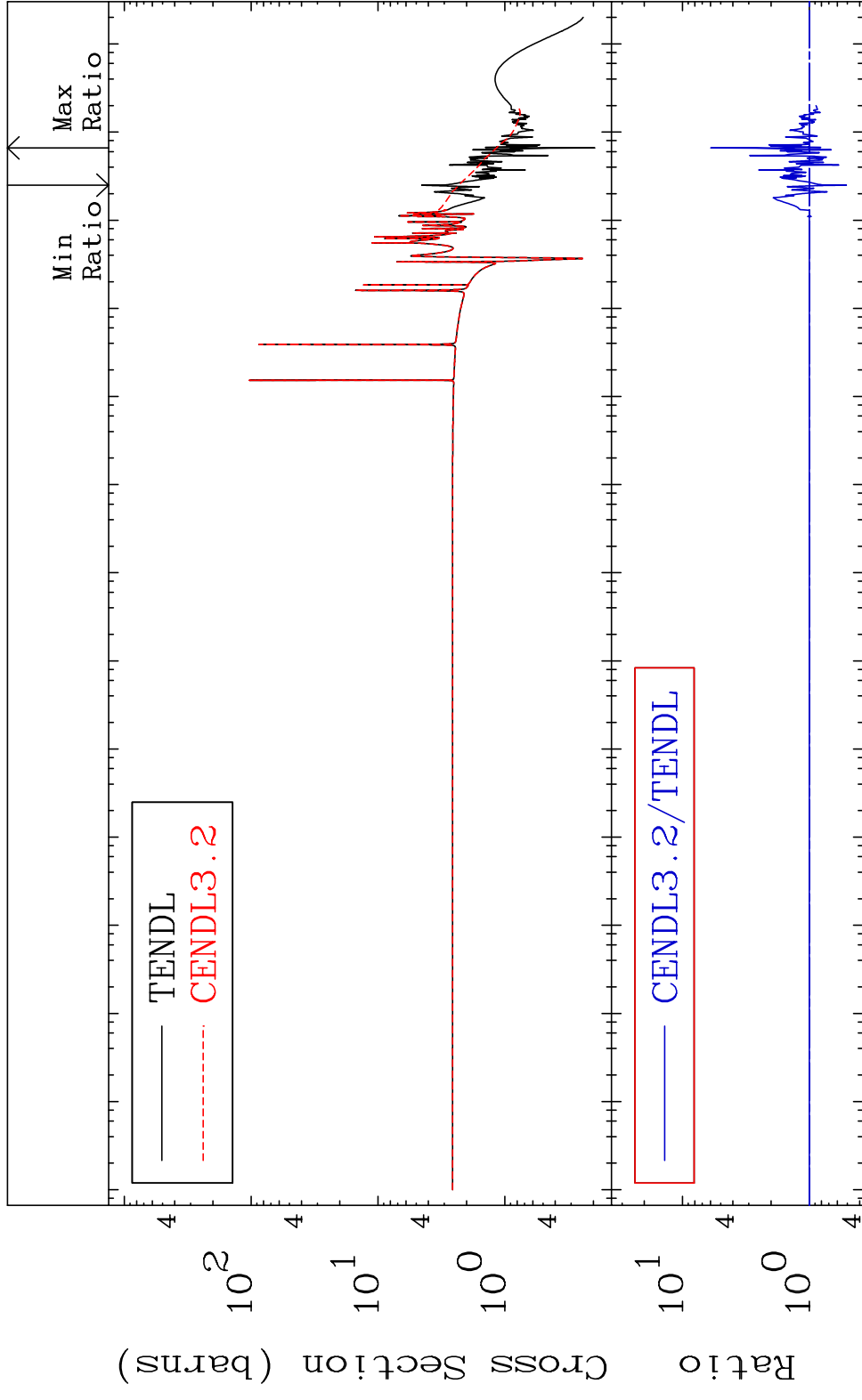
MAT 1428

Elastic

14-Si-29

Cross Section

-49.03 To 499.0 %

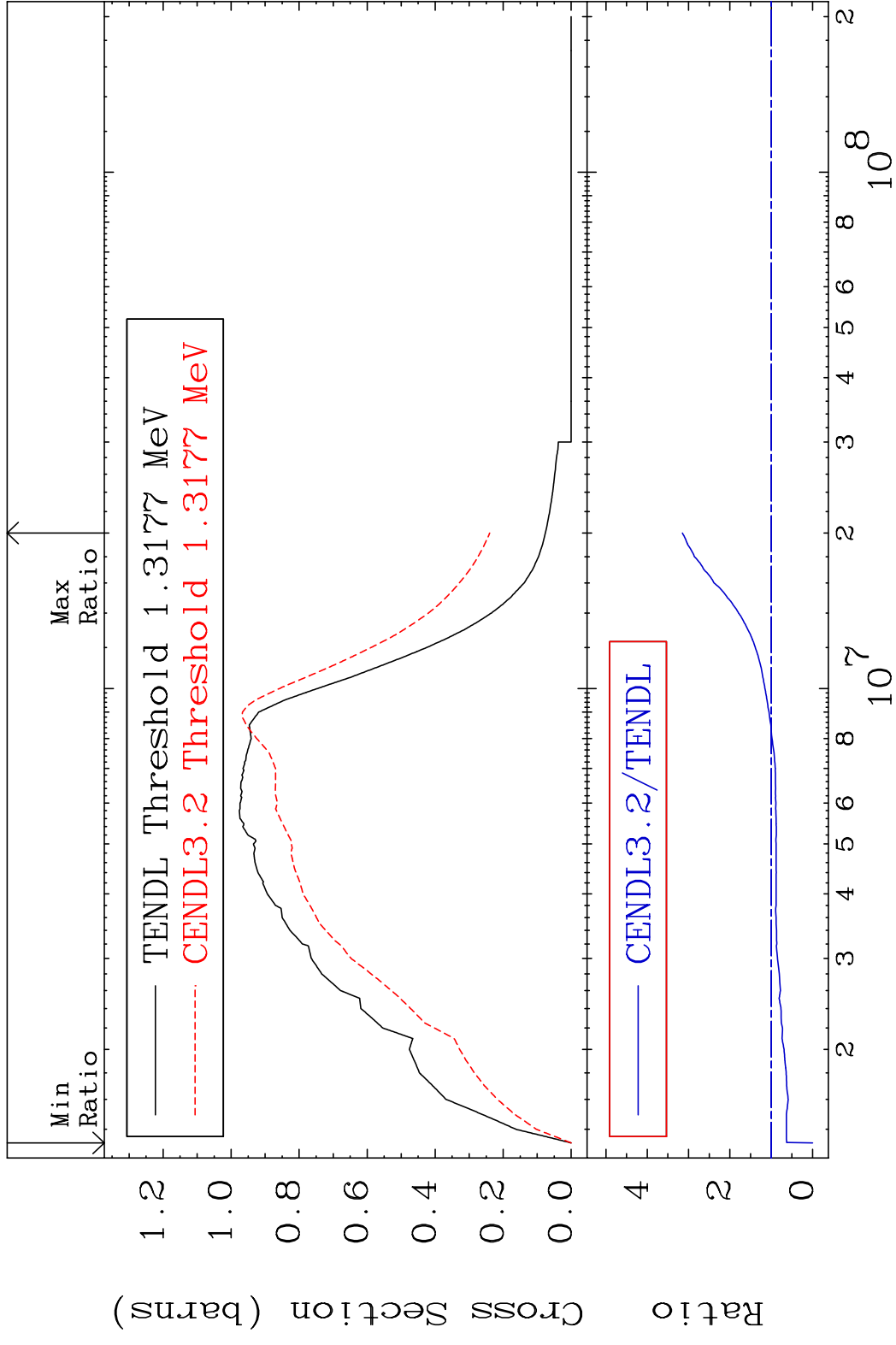


2

Incident Energy (eV)

14-Si-29

MAT 1428 Inelastic 14-Si-29
 Cross Section -100.0 To 215.0 %

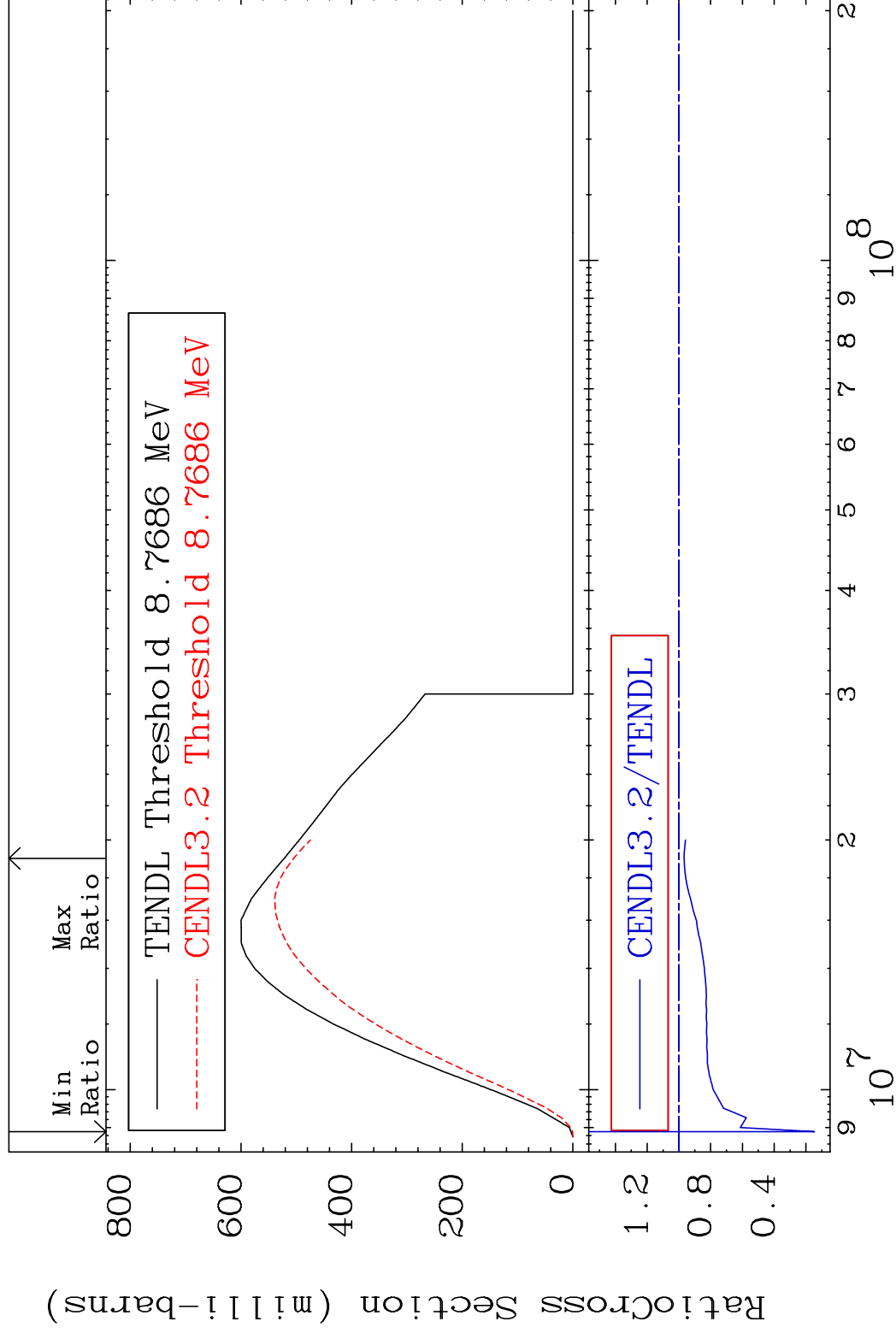


MAT 1428

(n,2n)

¹⁴Si-29

Cross Section -85.25 To -3.253%



4

Incident Energy (eV)

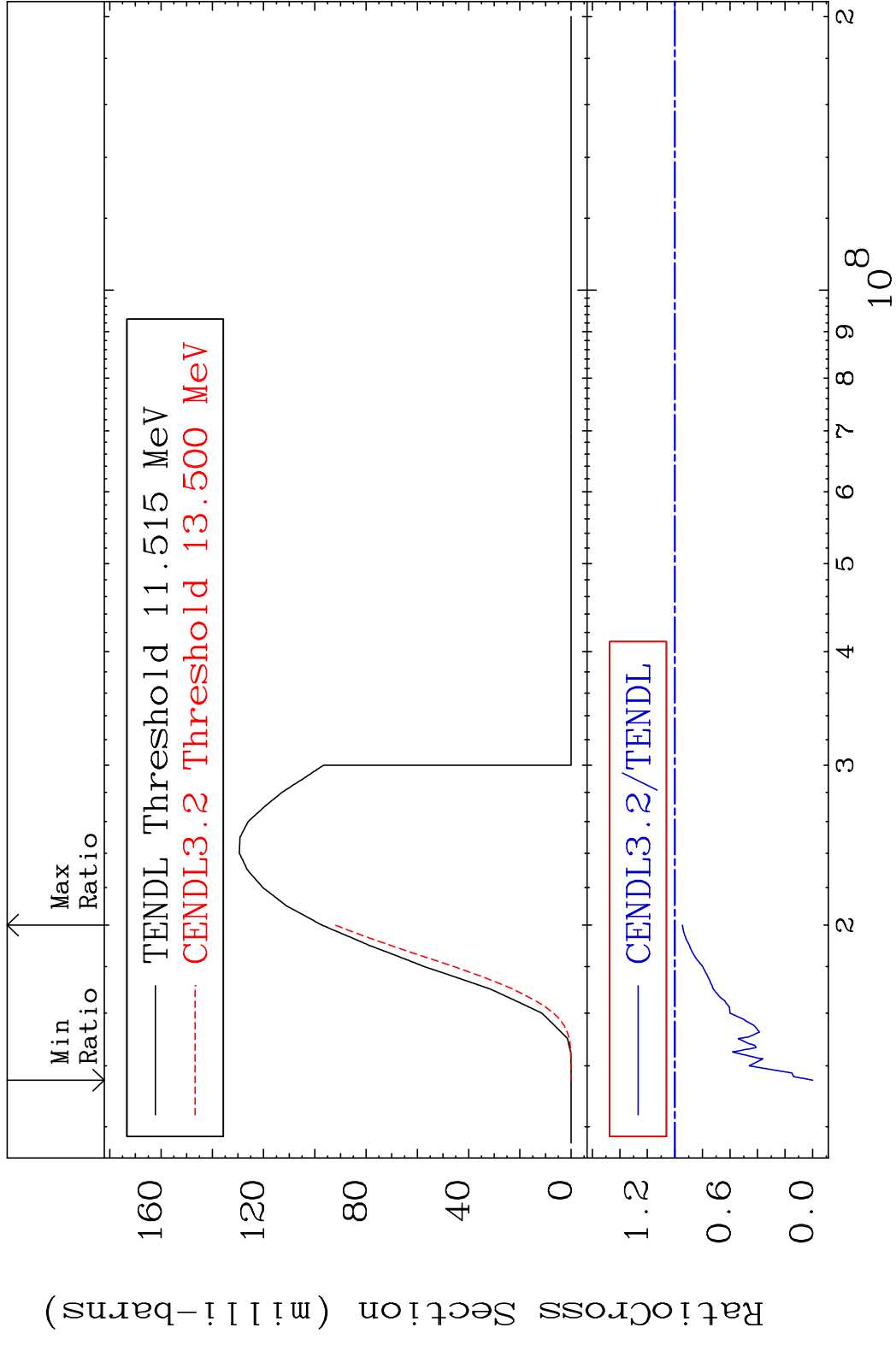
¹⁴Si-29

MAT 1428

(n, n') α

14-Si-29

Cross Section -100.0 To -5.415%

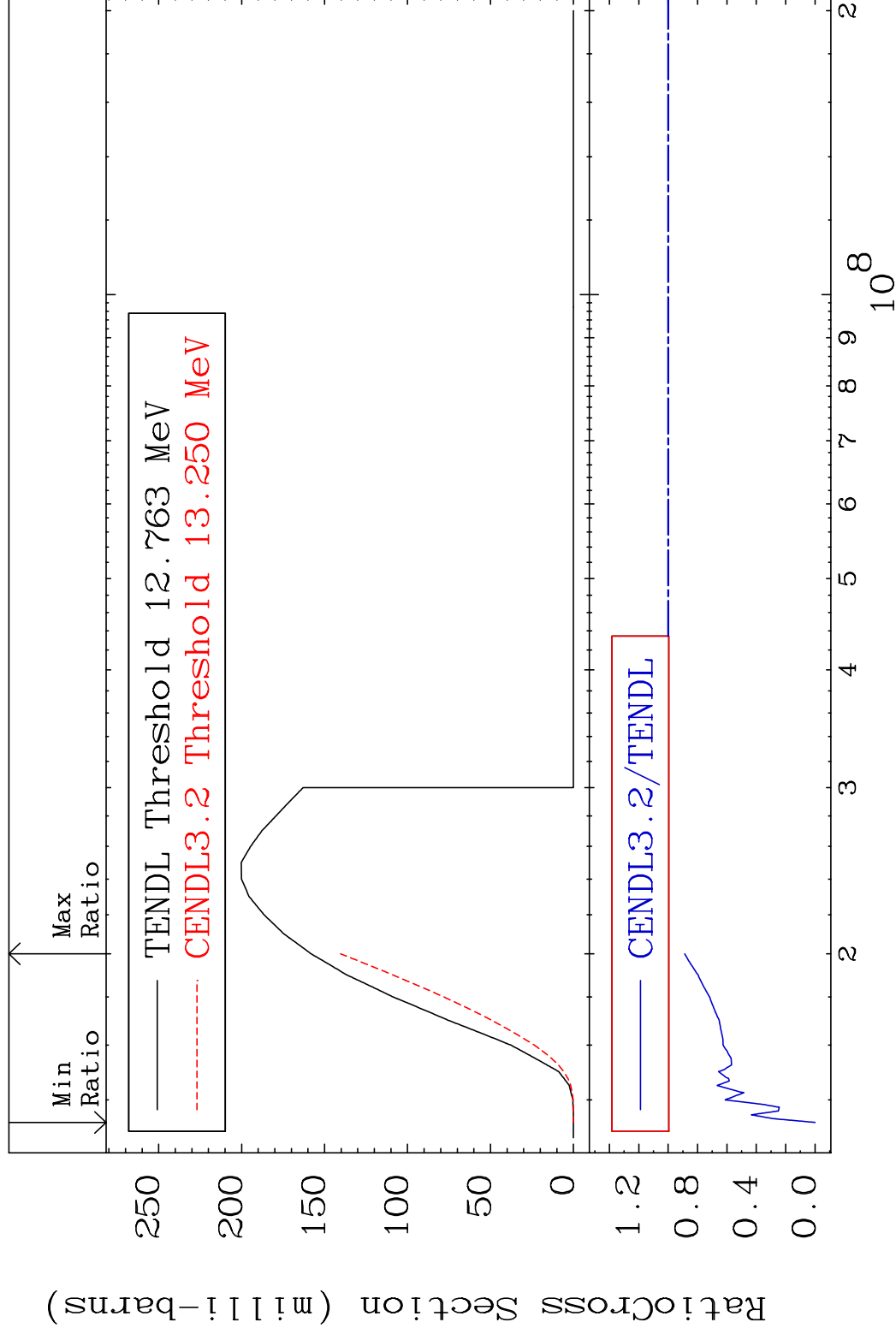


MAT 1428

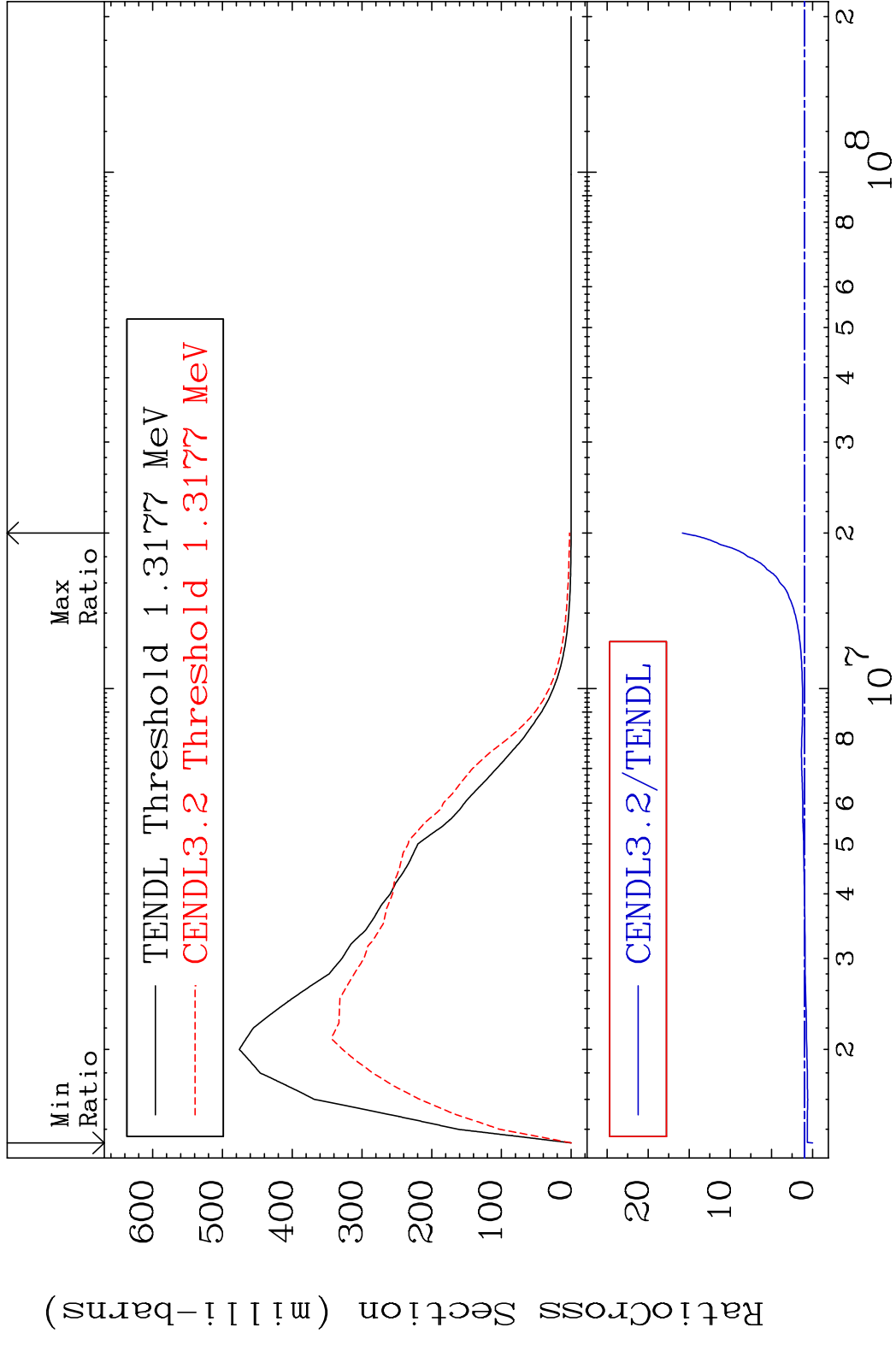
(n, n') p

14-Si-29

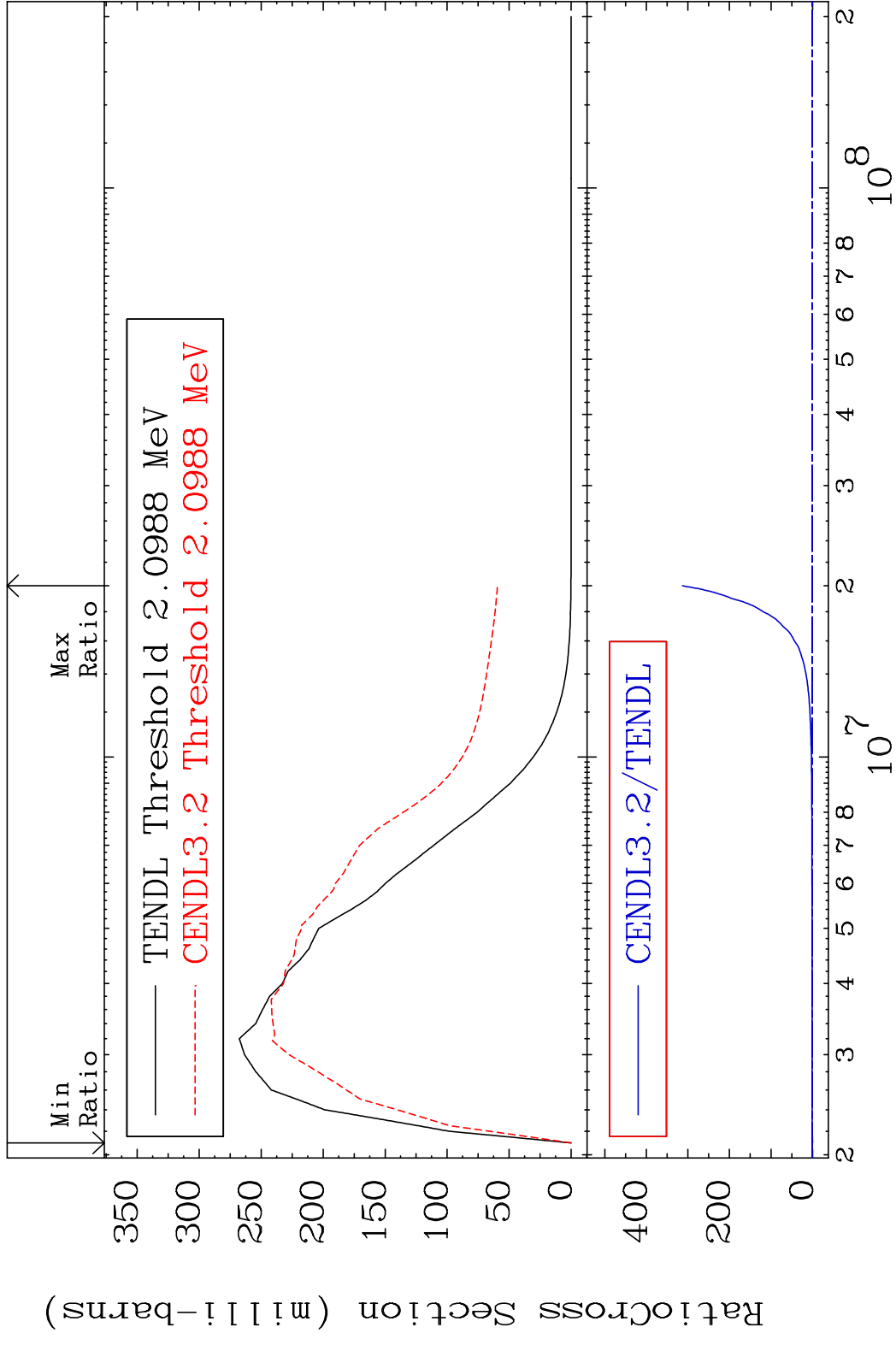
Cross Section -100.0 To -11.27%



MAT 1428 MT= 51 (n, n') Level 14-Si-29
 Cross Section -100.0 To 1484. %

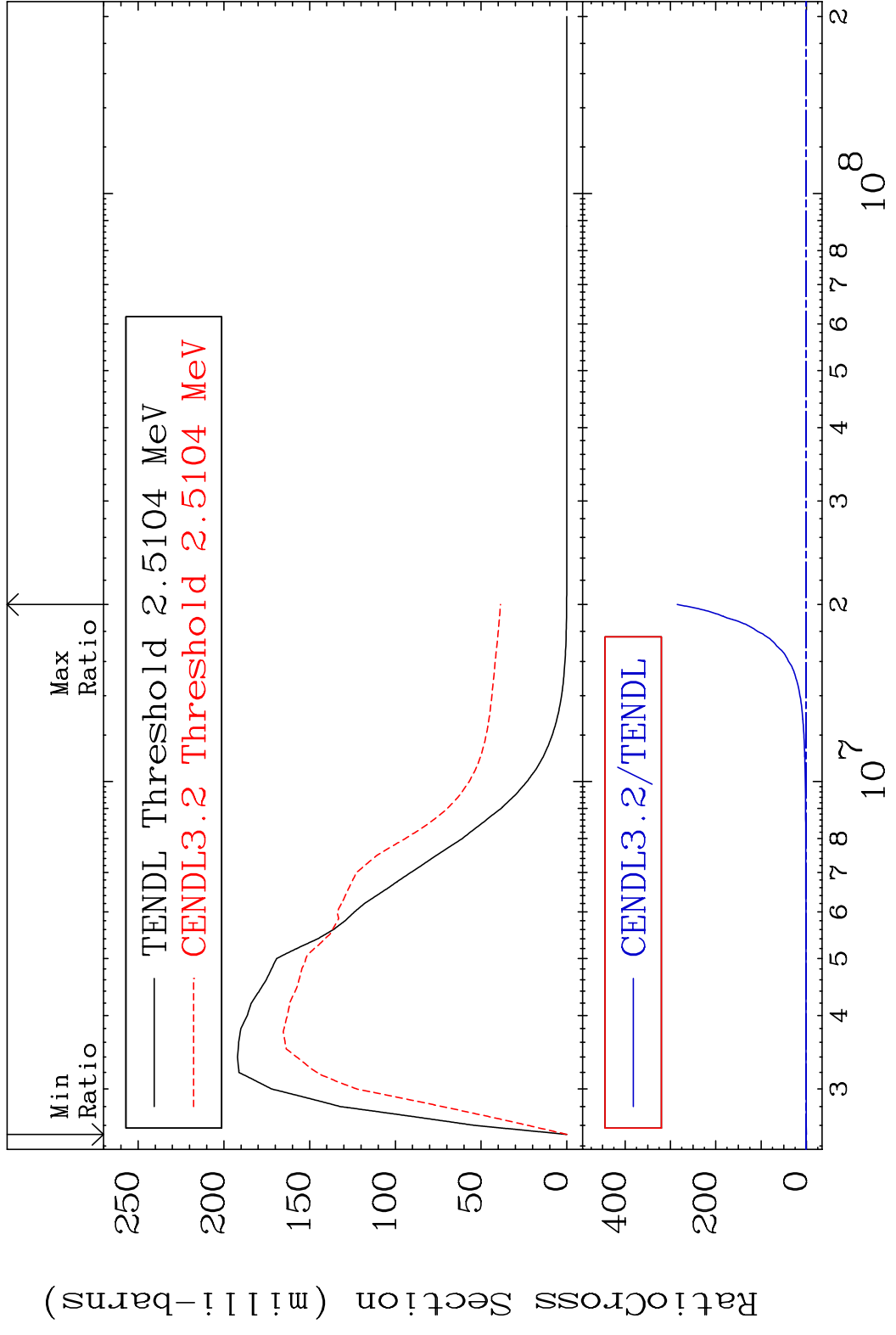


MAT 1428 MT= 52 (n, n') Level 14-Si-29
 Cross Section -100.0 To 9999. %

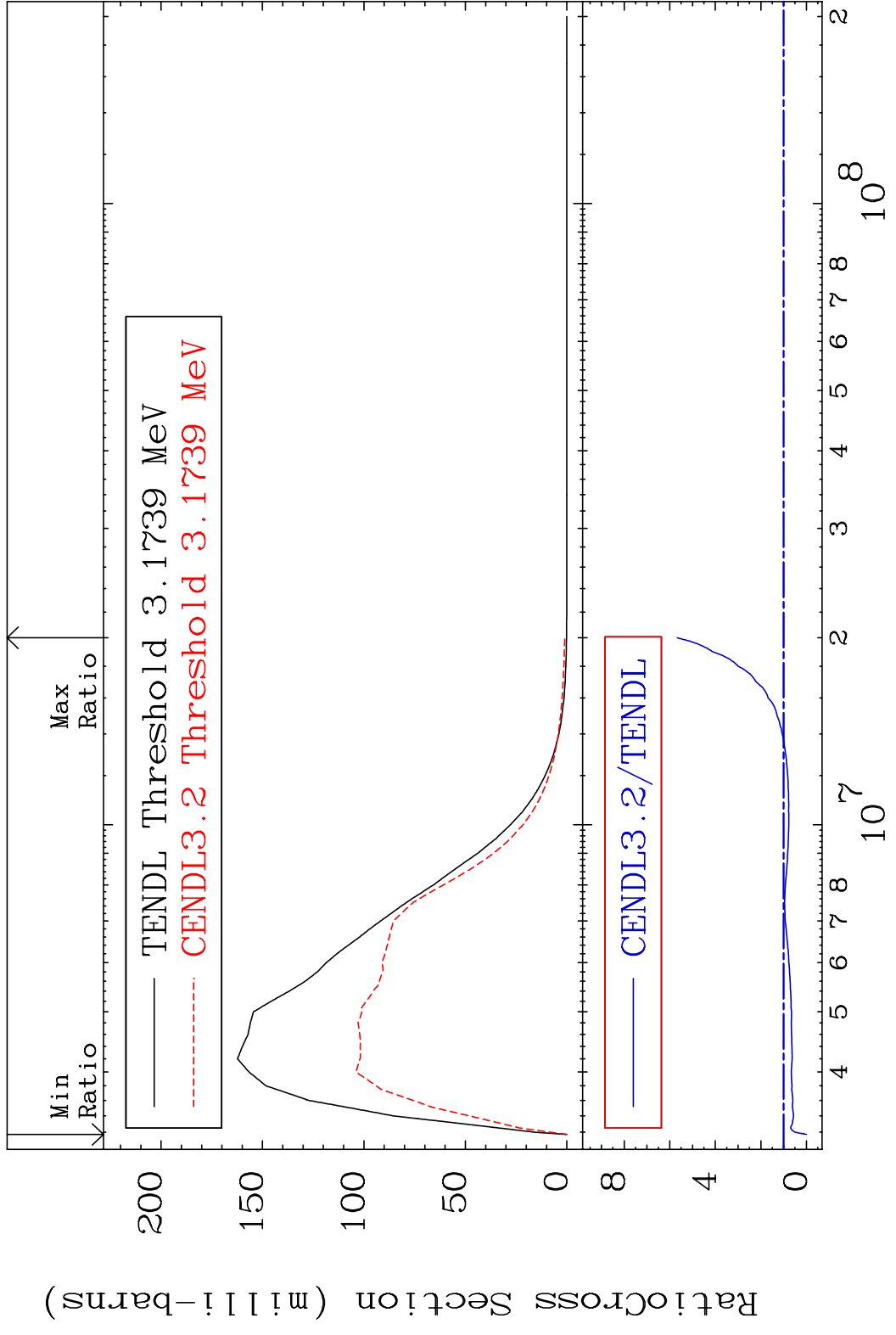


8 Incident Energy (eV) 14-Si-29

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

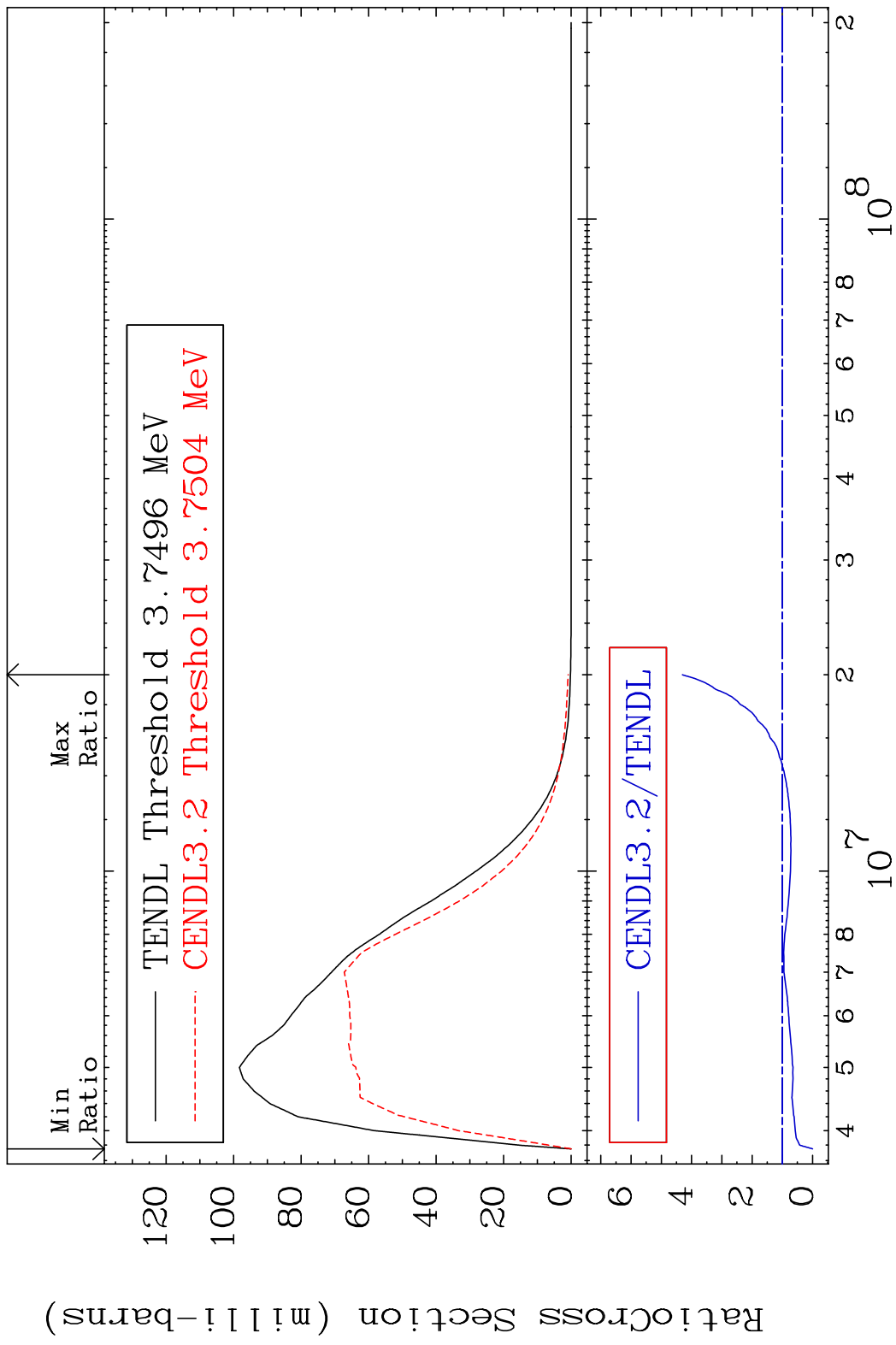


MAT 1428 MT= 54 (n,n') Level 14-Si-29
 Cross Section -100.0 To 467.4 %



10 Incident Energy (eV) 14-Si-29

MAT 1428 MT= 55 (n,n') Level 14-Si-29
 Cross Section -100.0 To 330.5 %

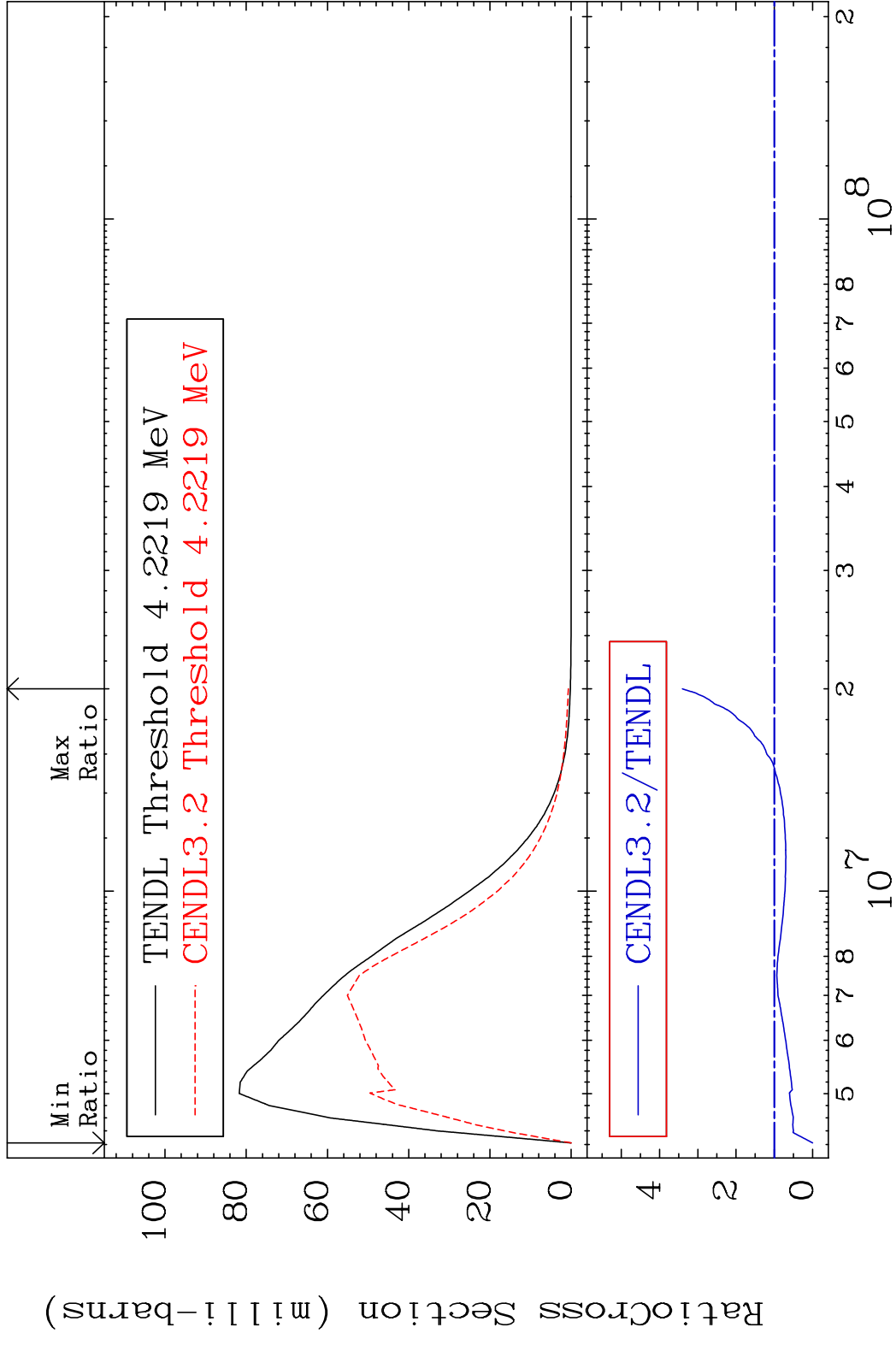


MAT 1428

MT= 56 (n, n') Level

14-Si-29

Cross Section -100.0 To 240.4 %

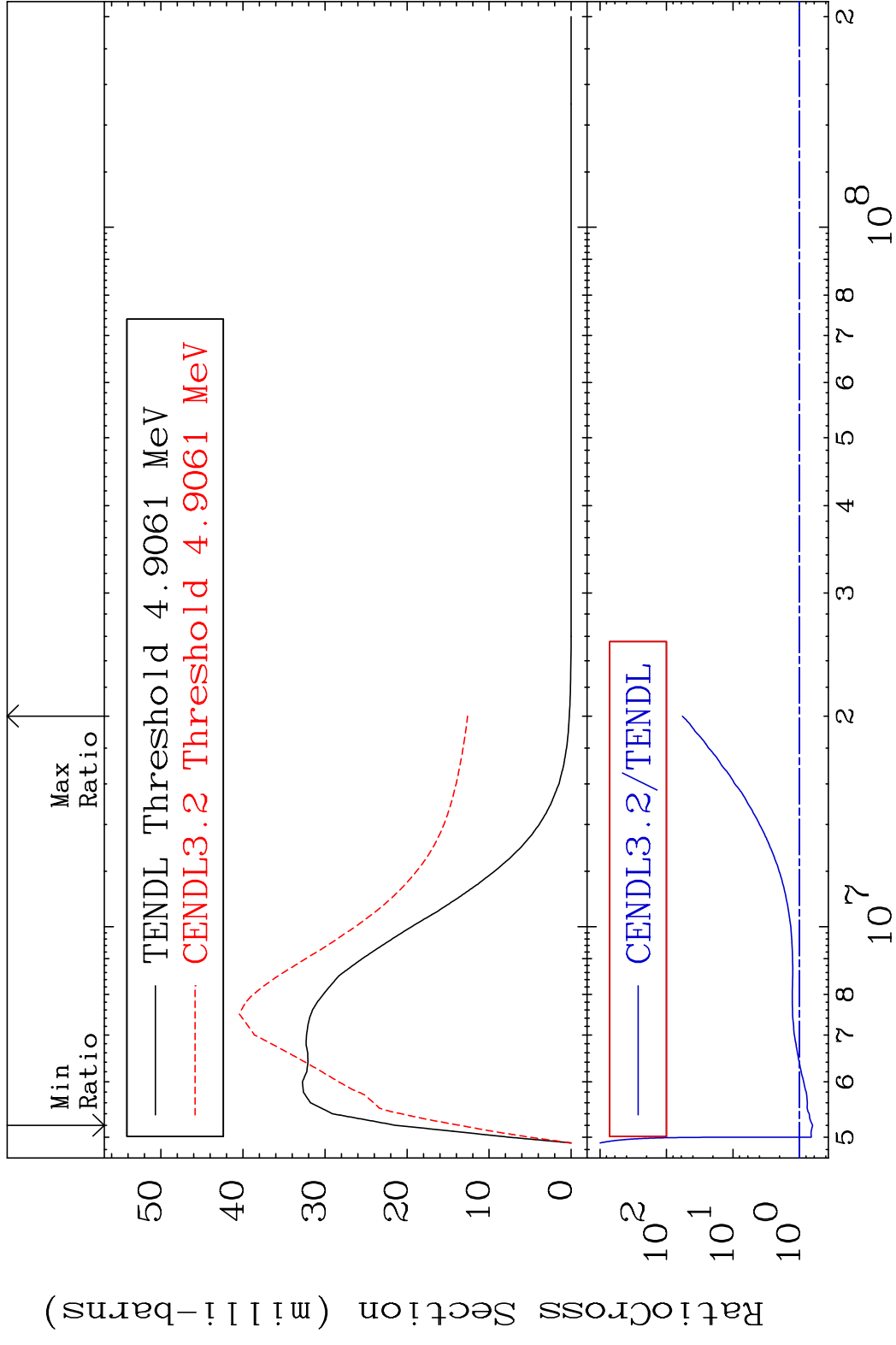


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Incident Energy (eV)

14-Si-29

MAT 1428 MT= 57 (n,n') Level 14-Si-29
 Cross Section -36.47 To 5676. %

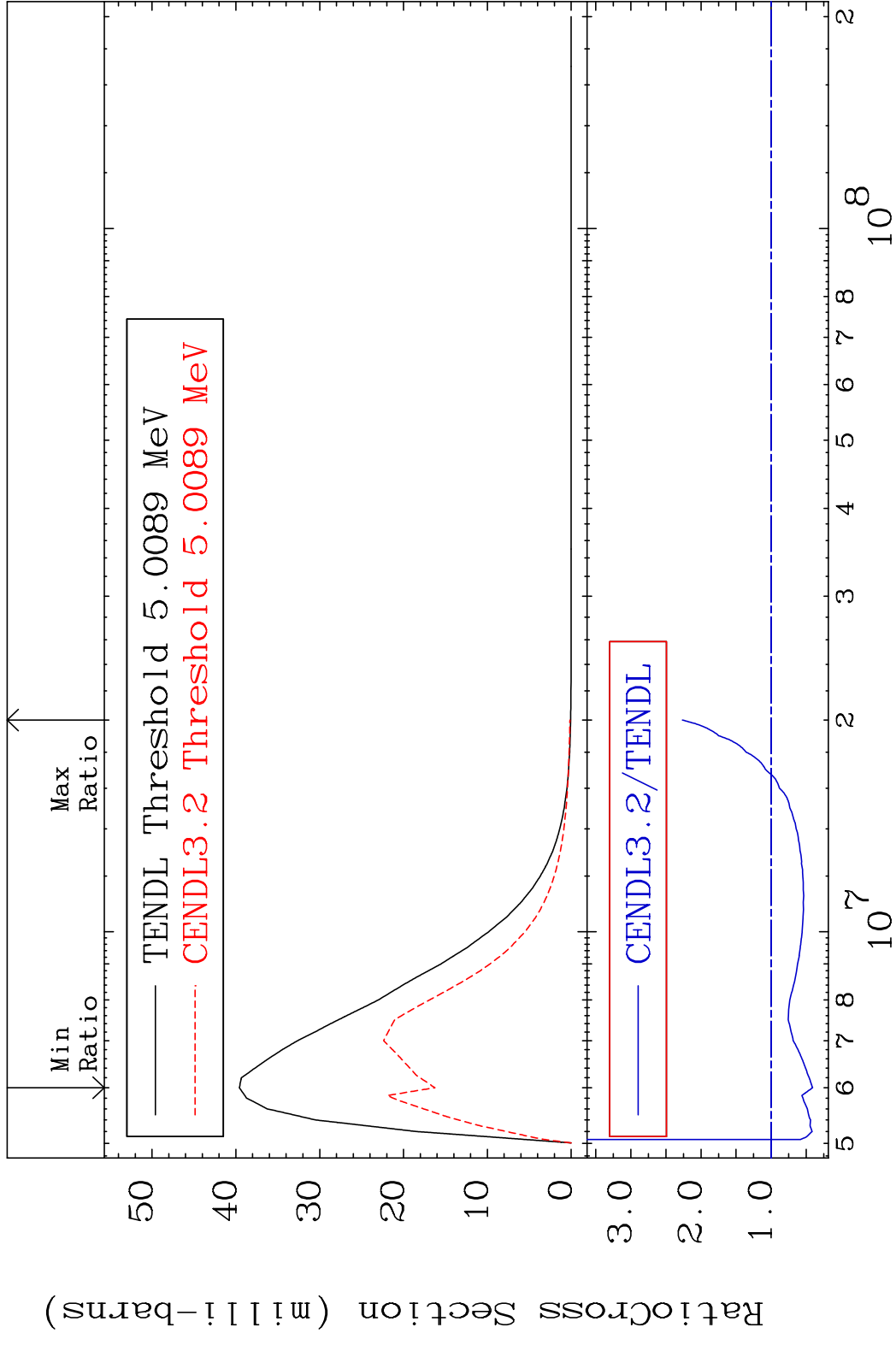


MAT 1428

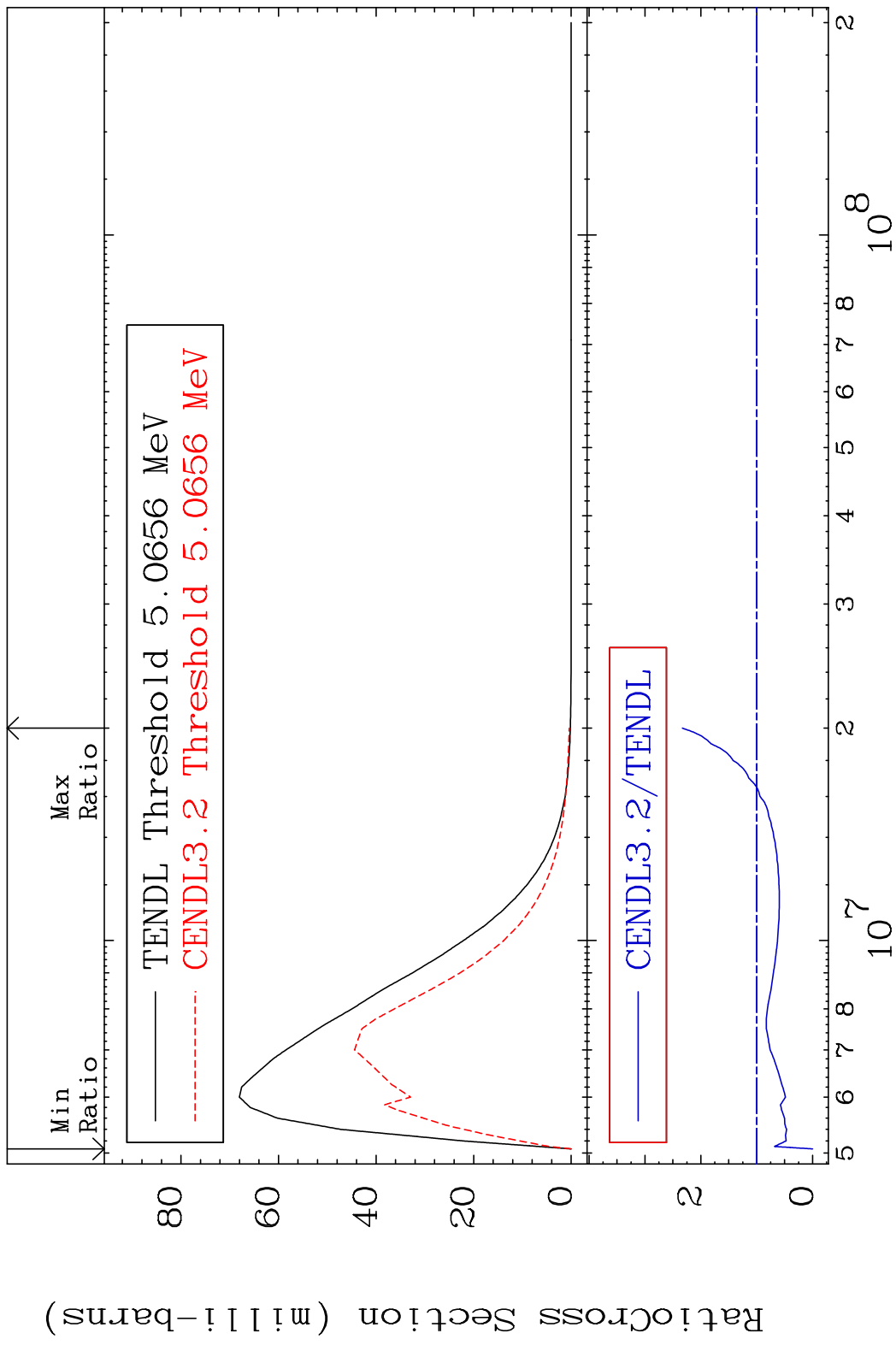
MT= 58 (n,n') Level

14-Si-29

Cross Section -58.93 To 126.5 %

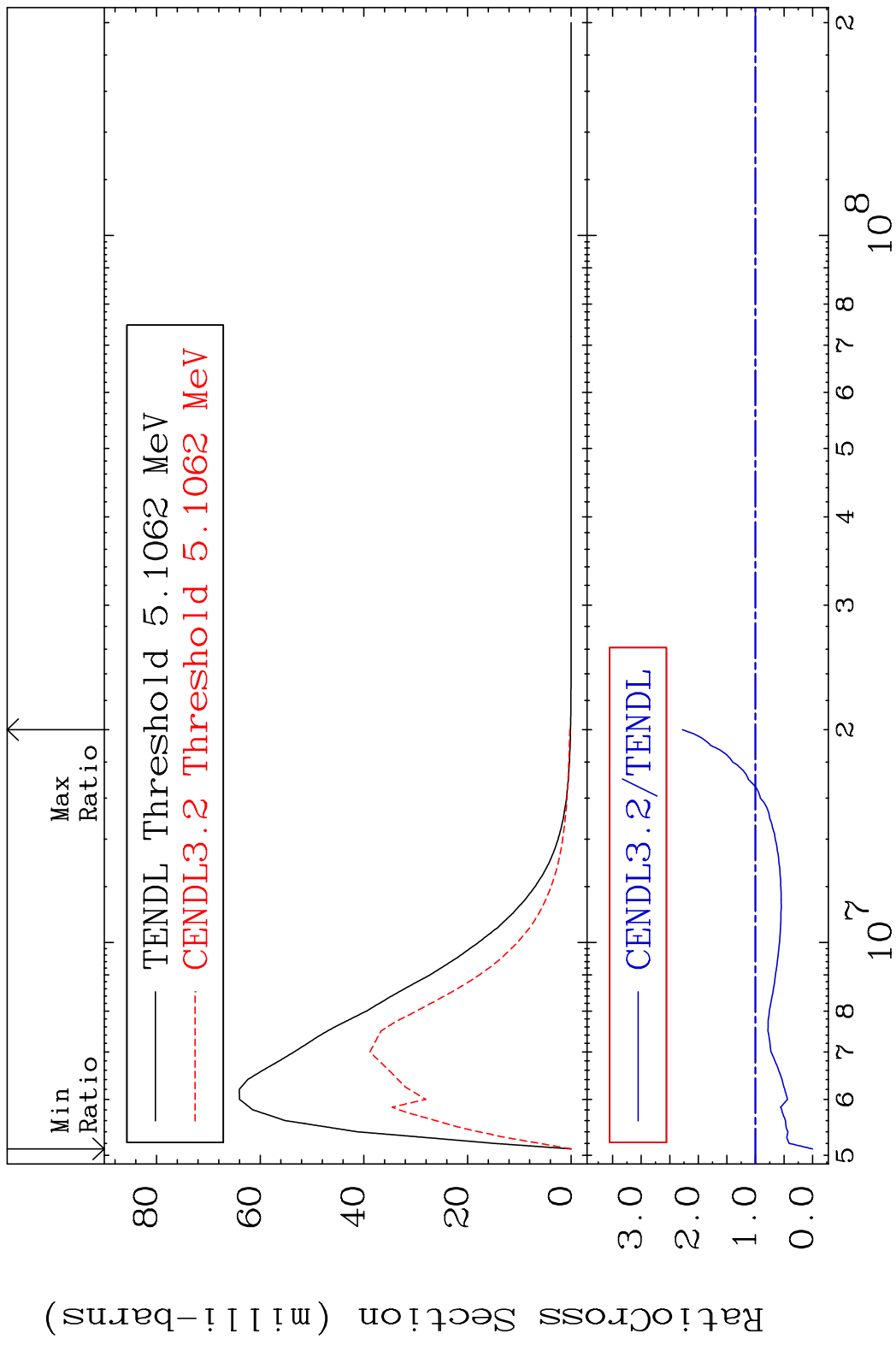


MAT 1428 MT= 59 (n,n') Level 14-Si-29
 Cross Section -100.0 To 133.1 %

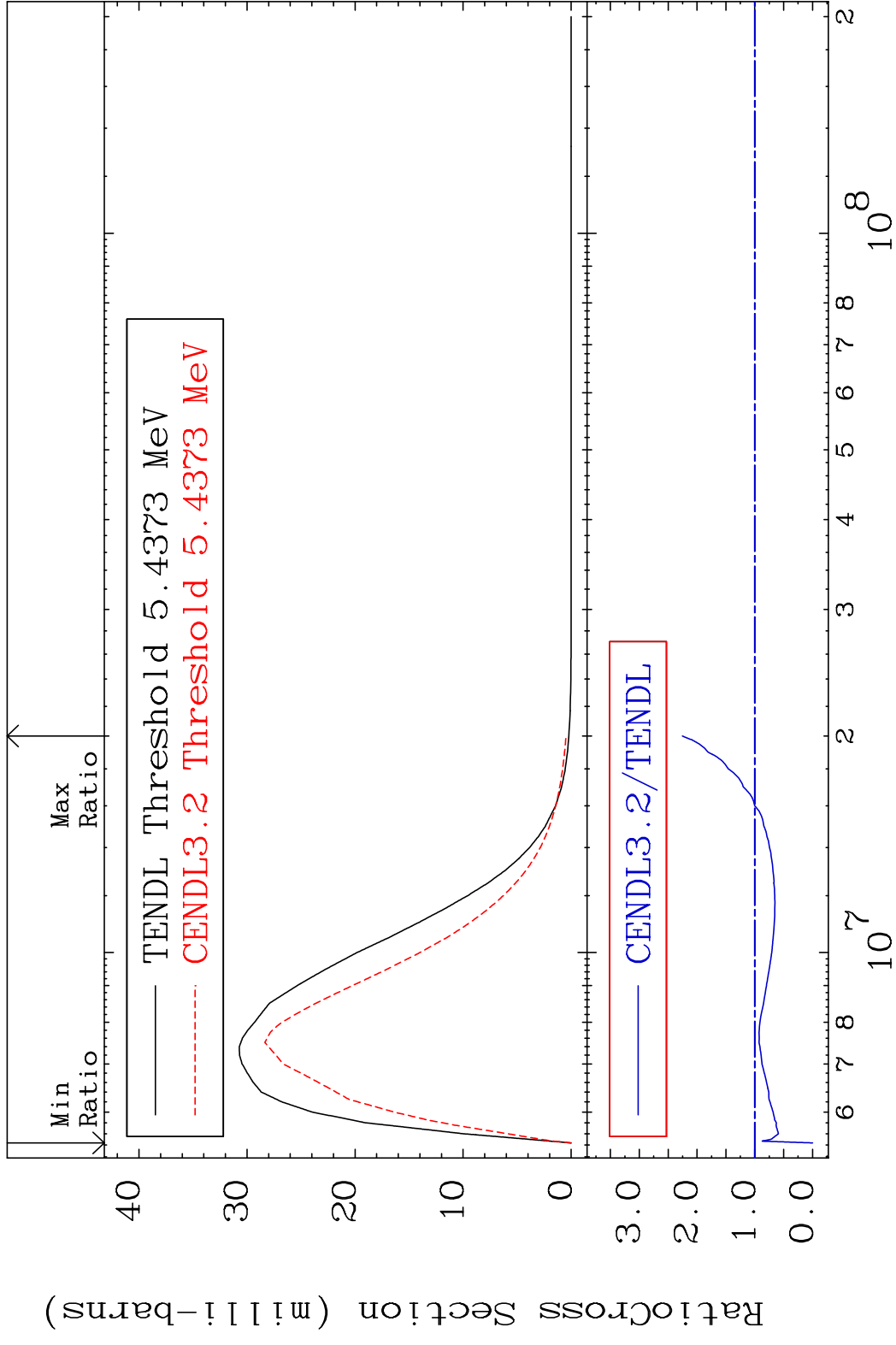


15 14-Si-29

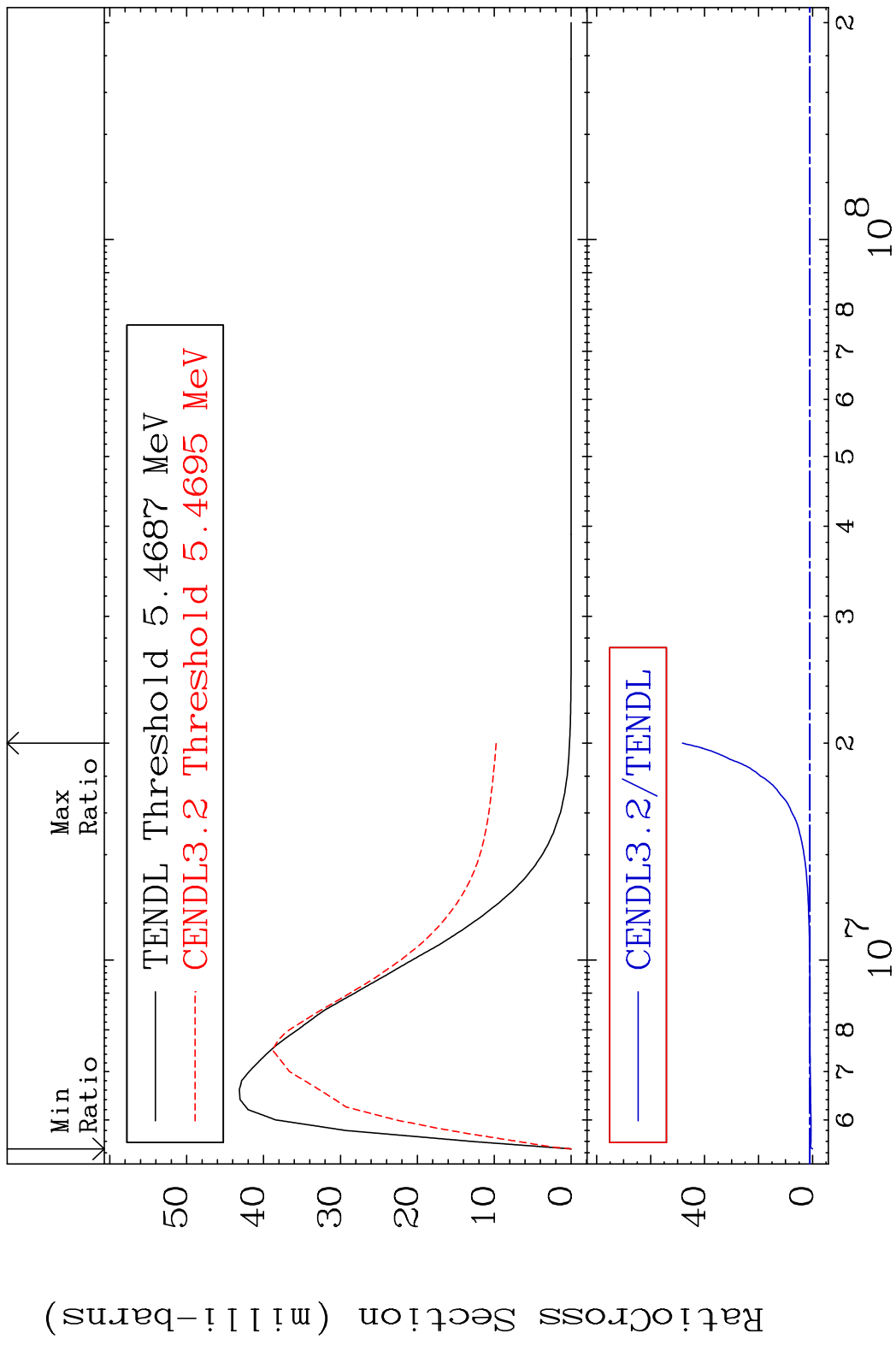
MAT 1428 MT= 60 (n,n') Level 14-Si-29
 Cross Section -100.0 To 127.9 %



MAT 1428 MT= 61 (n,n') Level 14-Si-29
 Cross Section -100.0 To 125.4 %

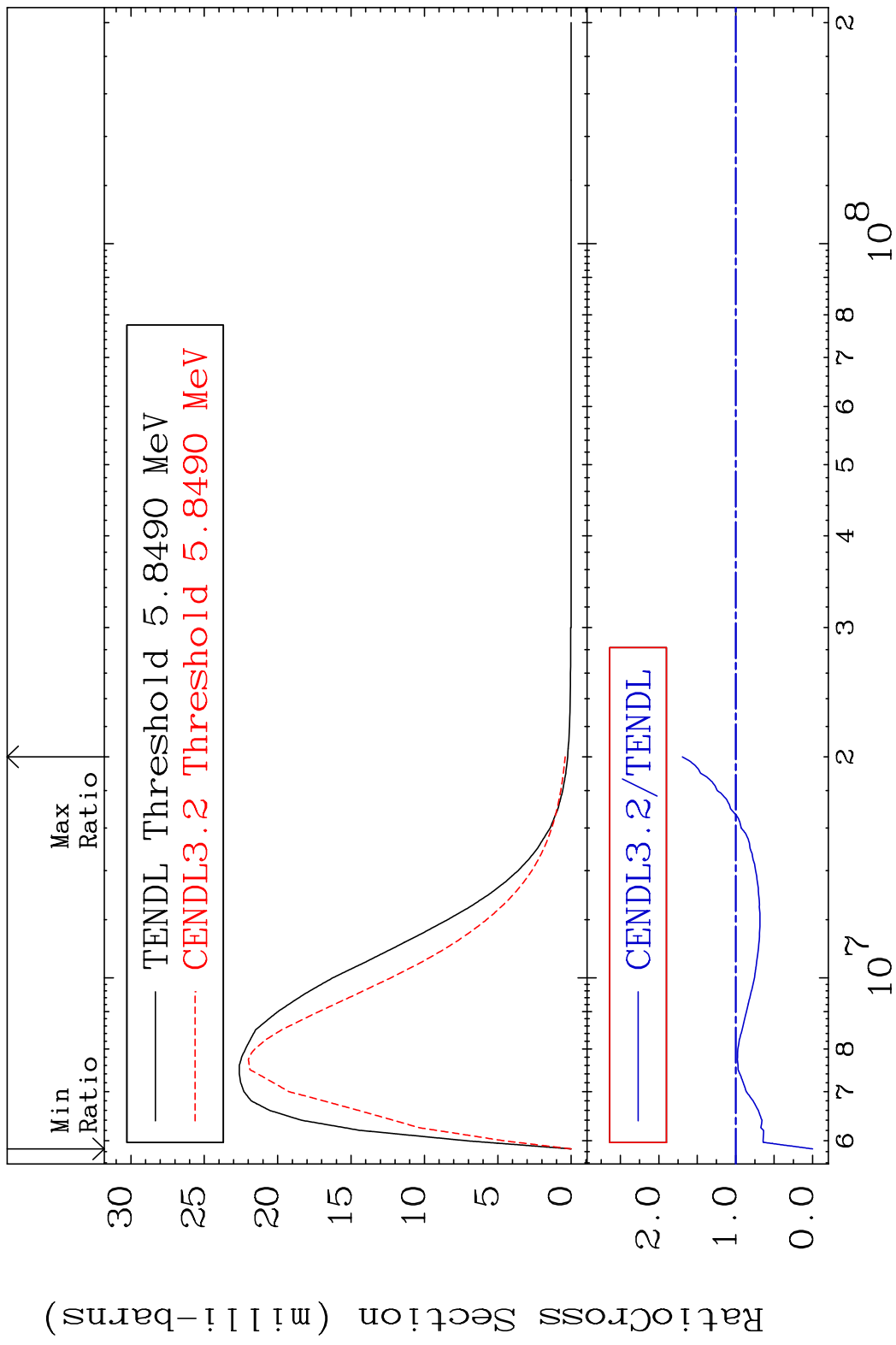


MAT 1428 MT= 62 (n,n') Level 14-Si-29
 Cross Section -100.0 To 4724. %



18 Incident Energy (eV) 14-Si-29

MAT 1428 MT= 63 (n,n') Level 14-Si-29
 Cross Section -100.0 To 69.38 %



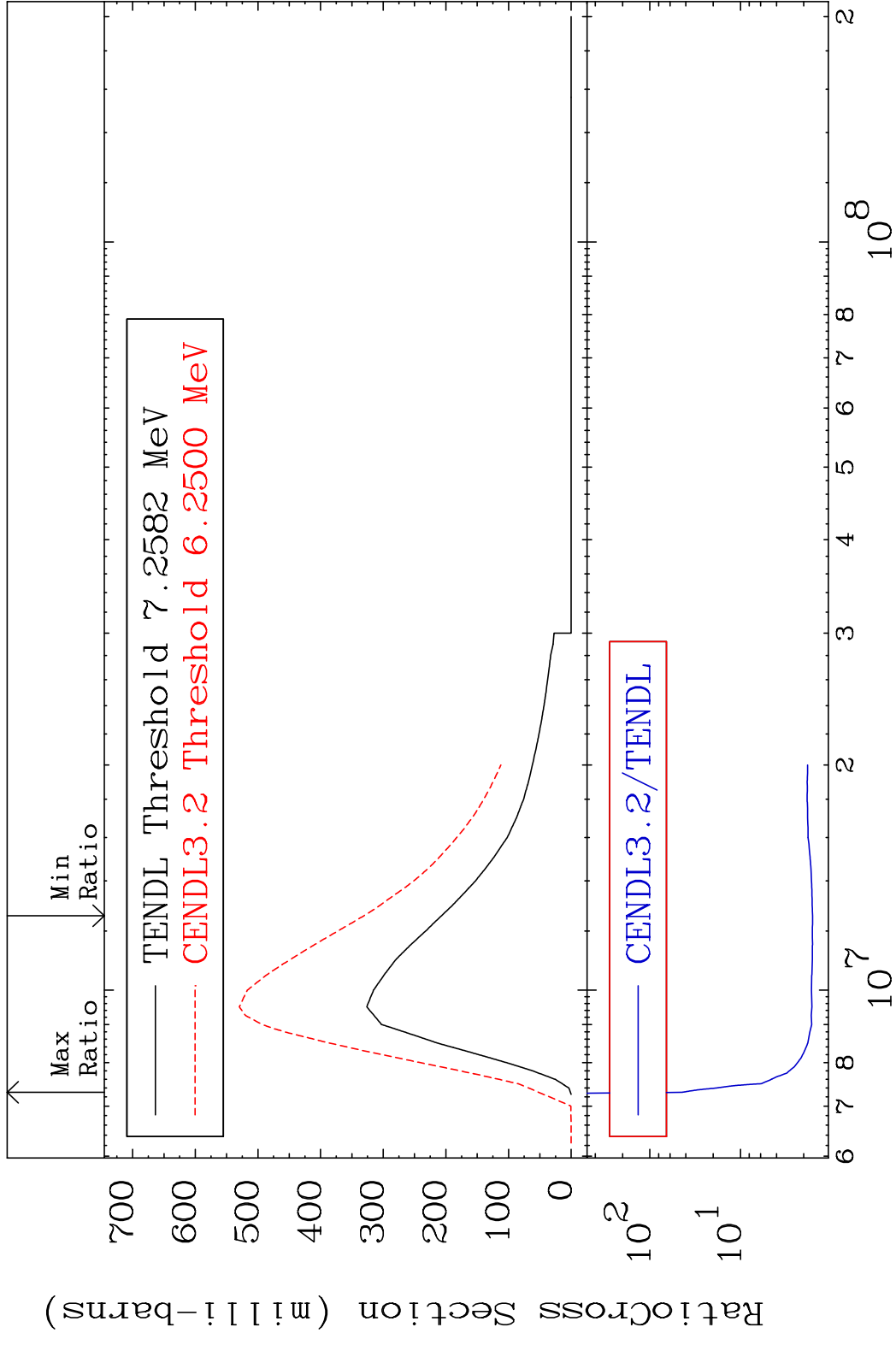
19 14-Si-29

MAT 1428

(n,n') Continuum

14-Si-29

Cross Section 59.79 To 4279. %



20

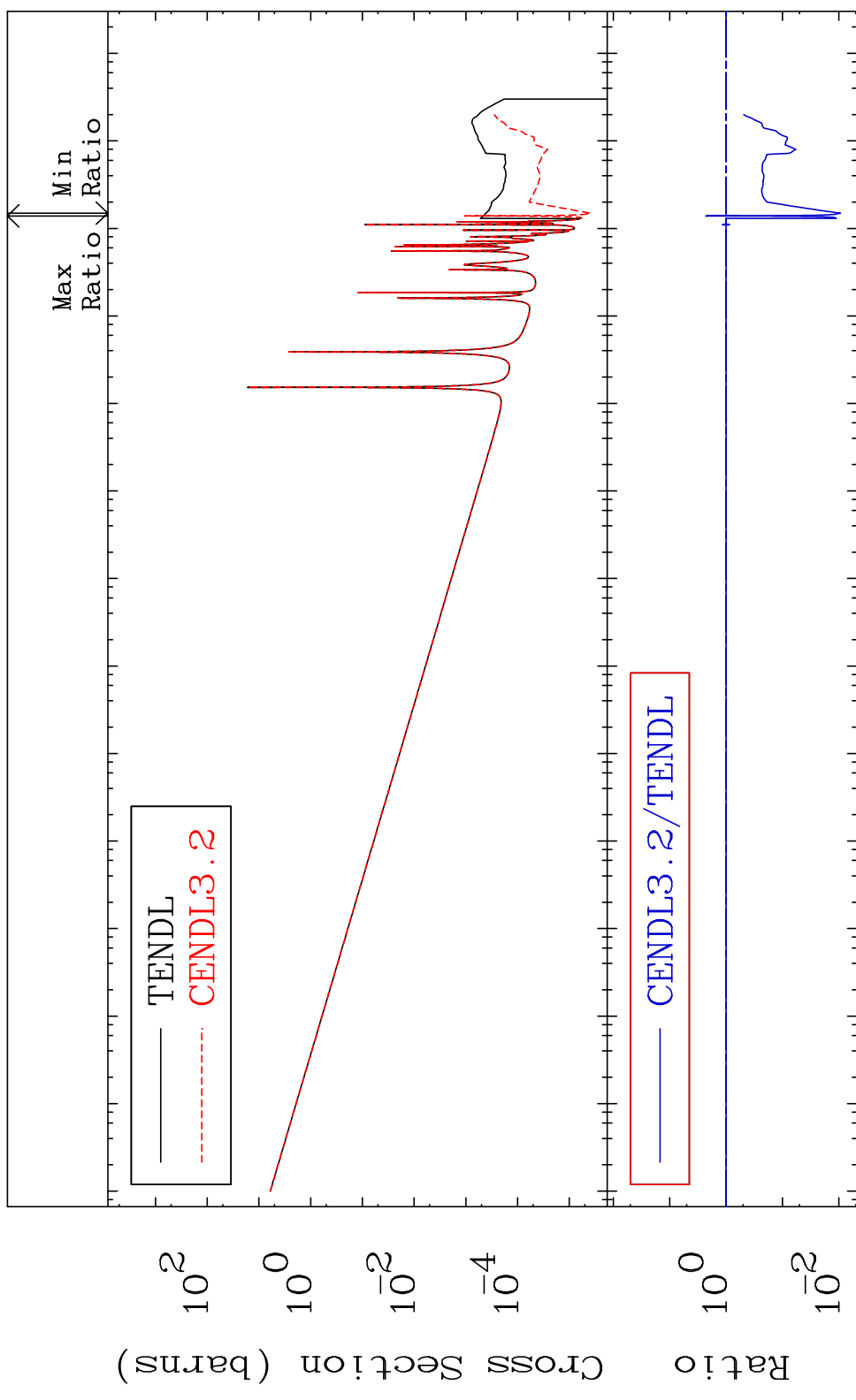
14-Si-29

MAT 1428

(n, γ)

14-Si-29

Cross Section -99.06 To 130.1 %

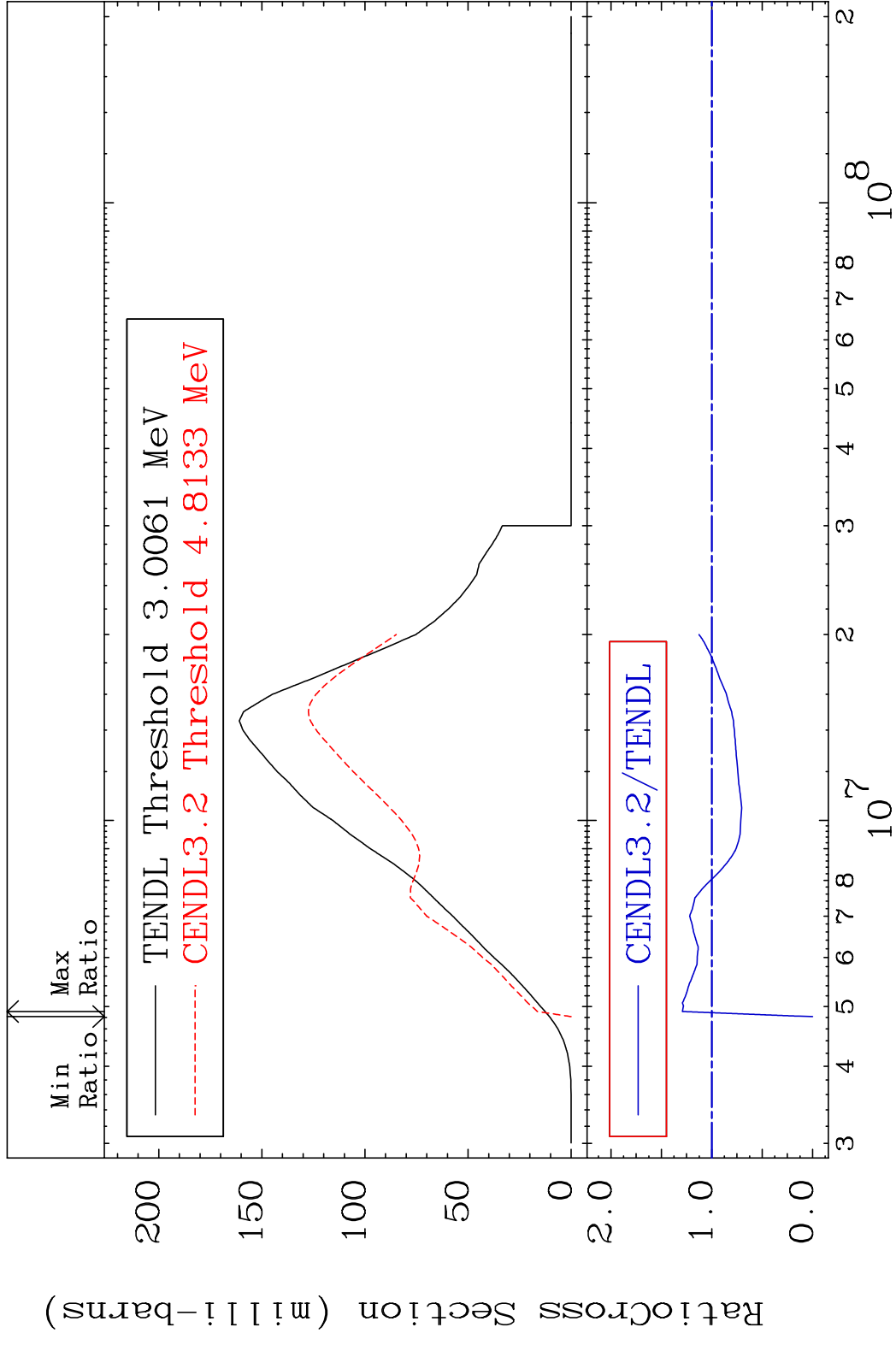


21

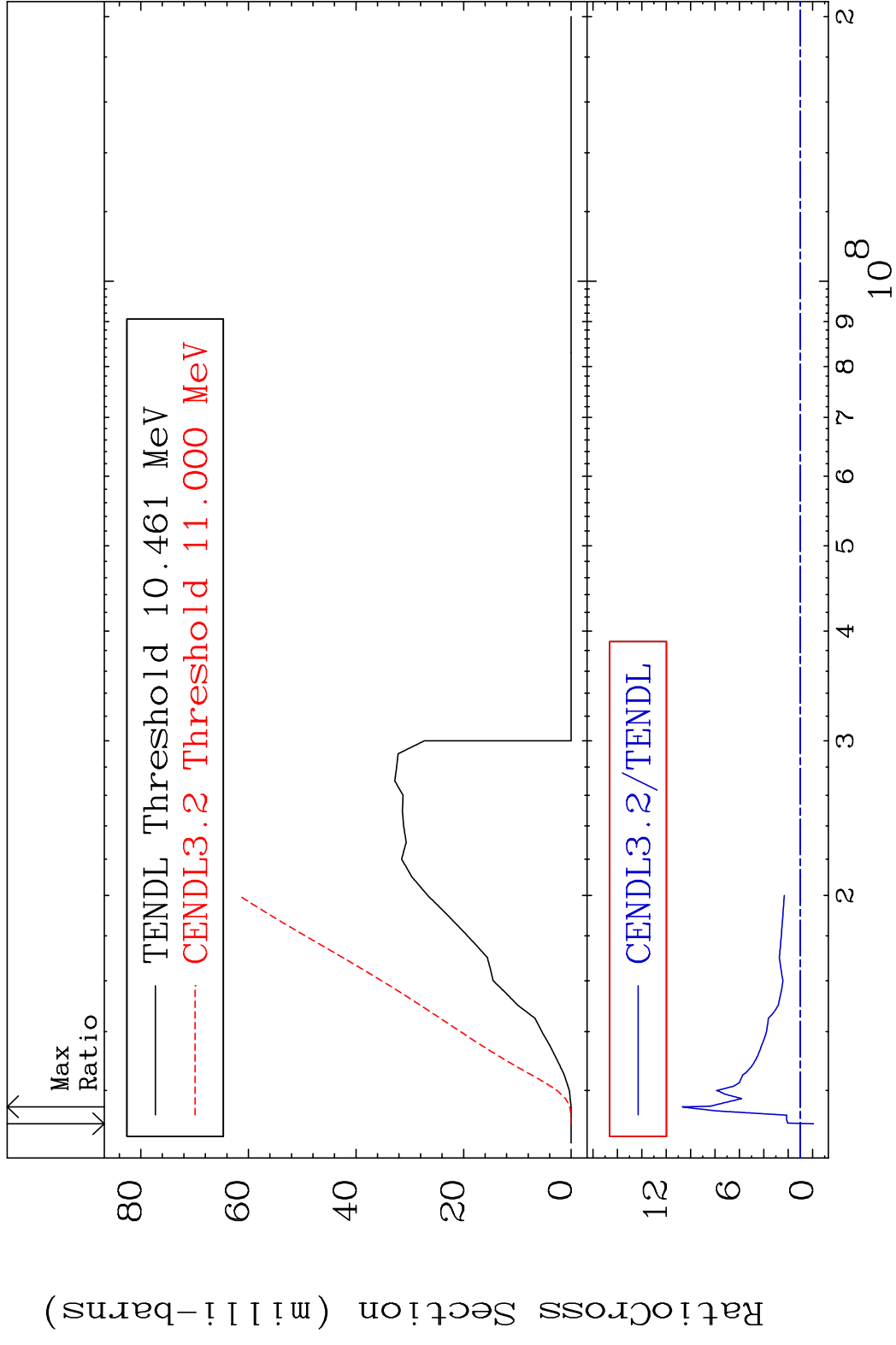
Incident Energy (eV)

14-Si-29

MAT 1428 (n,p) 14-Si-29
 Cross Section -100.0 To 29.18 %



MAT 1428 (n,d) 14-Si-29
 Cross Section -100.0 To 967.0 %

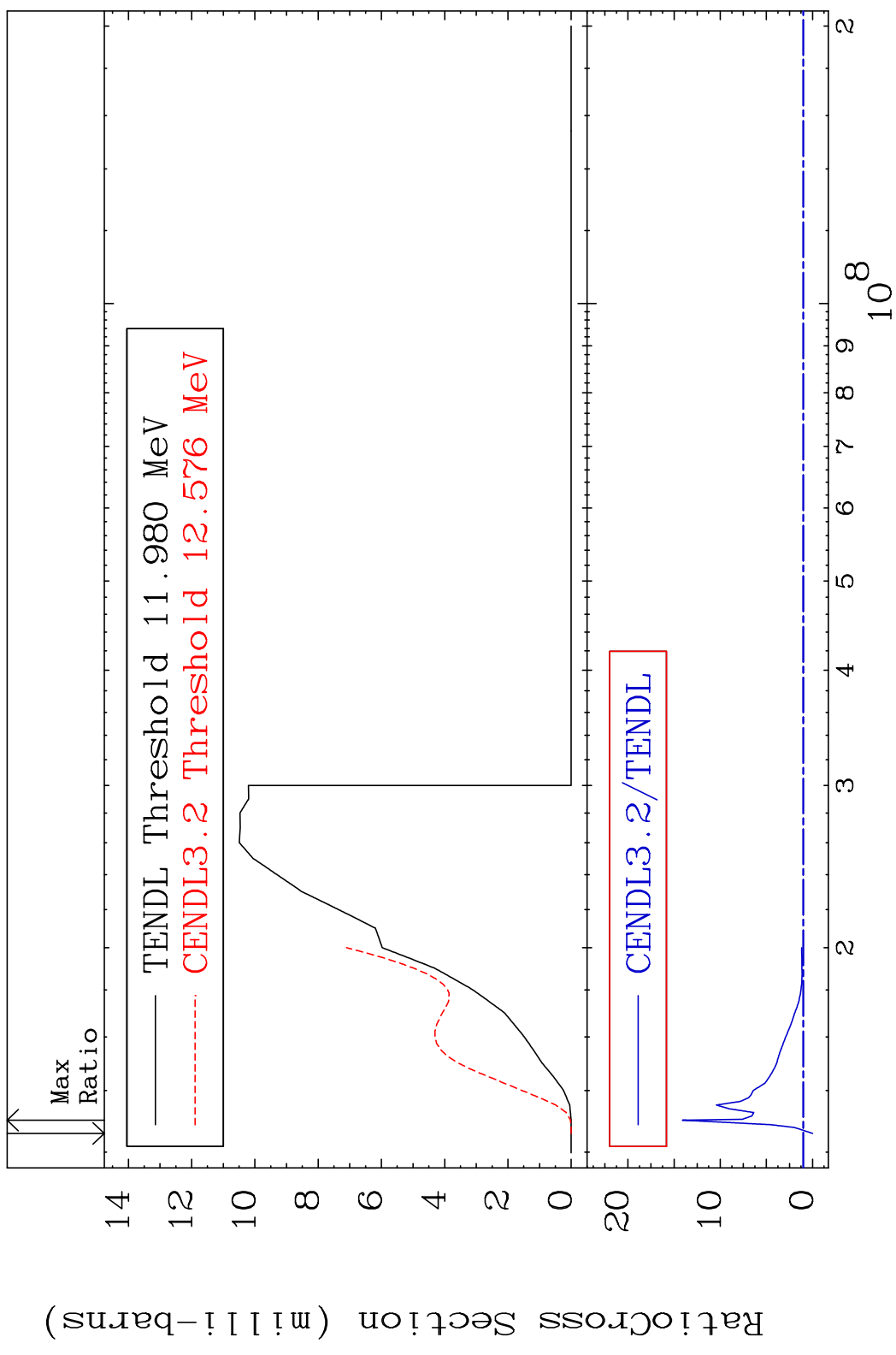


MAT 1428

(n, t)

¹⁴Si-29

Cross Section -100.0 To 1310. %

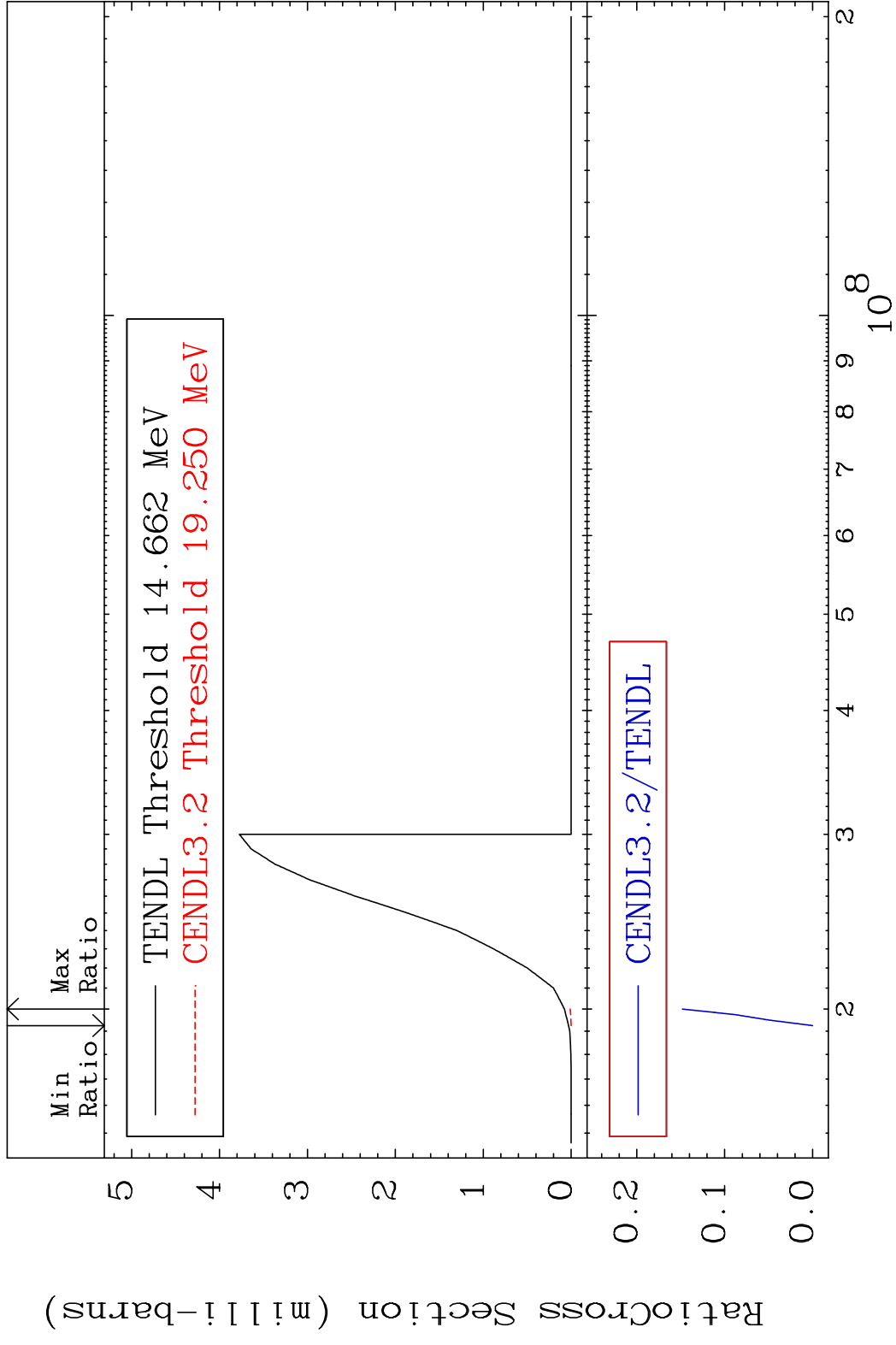


MAT 1428

(n, He-3)

¹⁴Si-29

Cross Section -100.0 To -85.18%

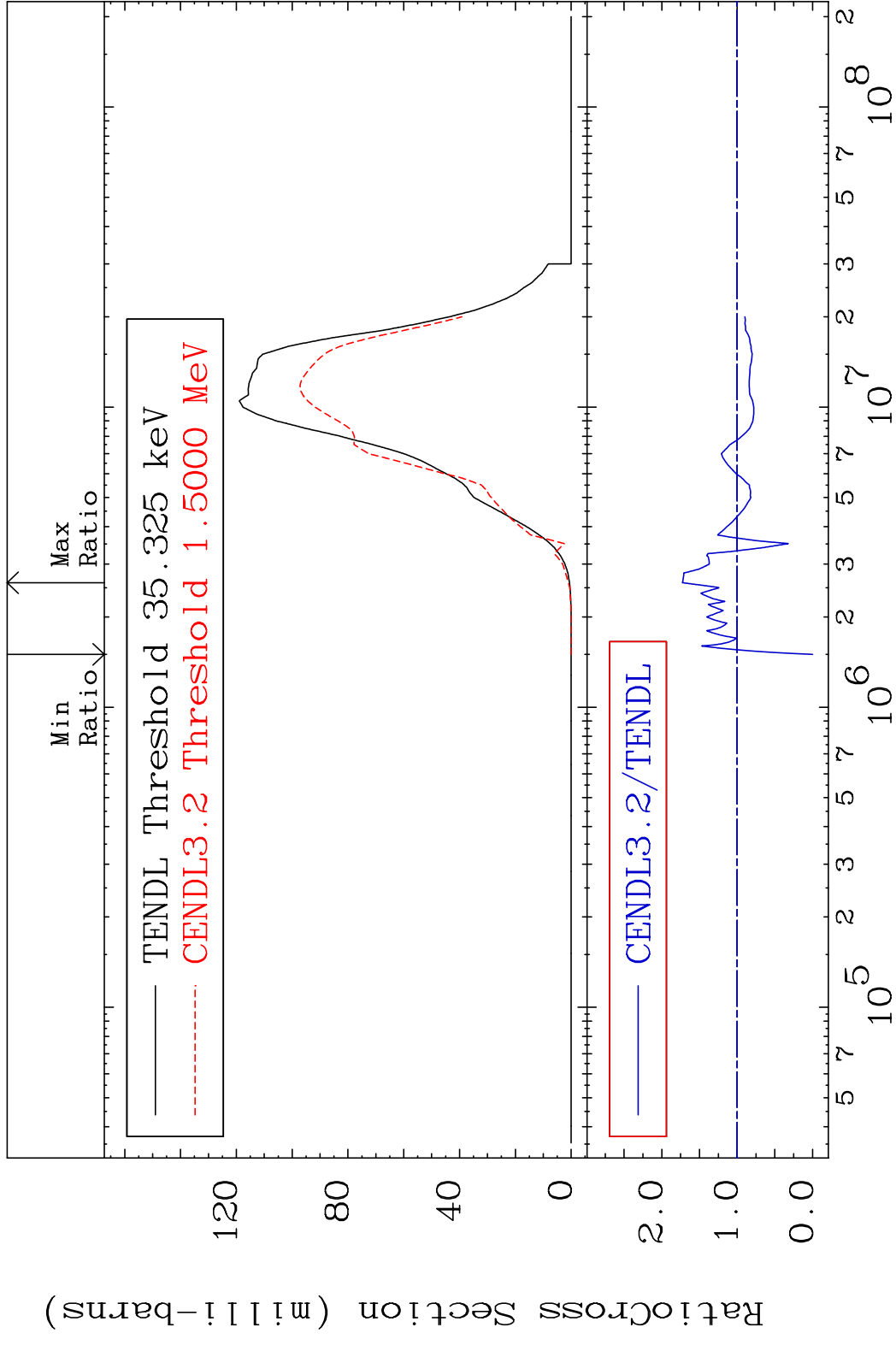


MAT 1428

¹⁴Si-29

(n, α)

Cross Section -100.0 To 72.71 %

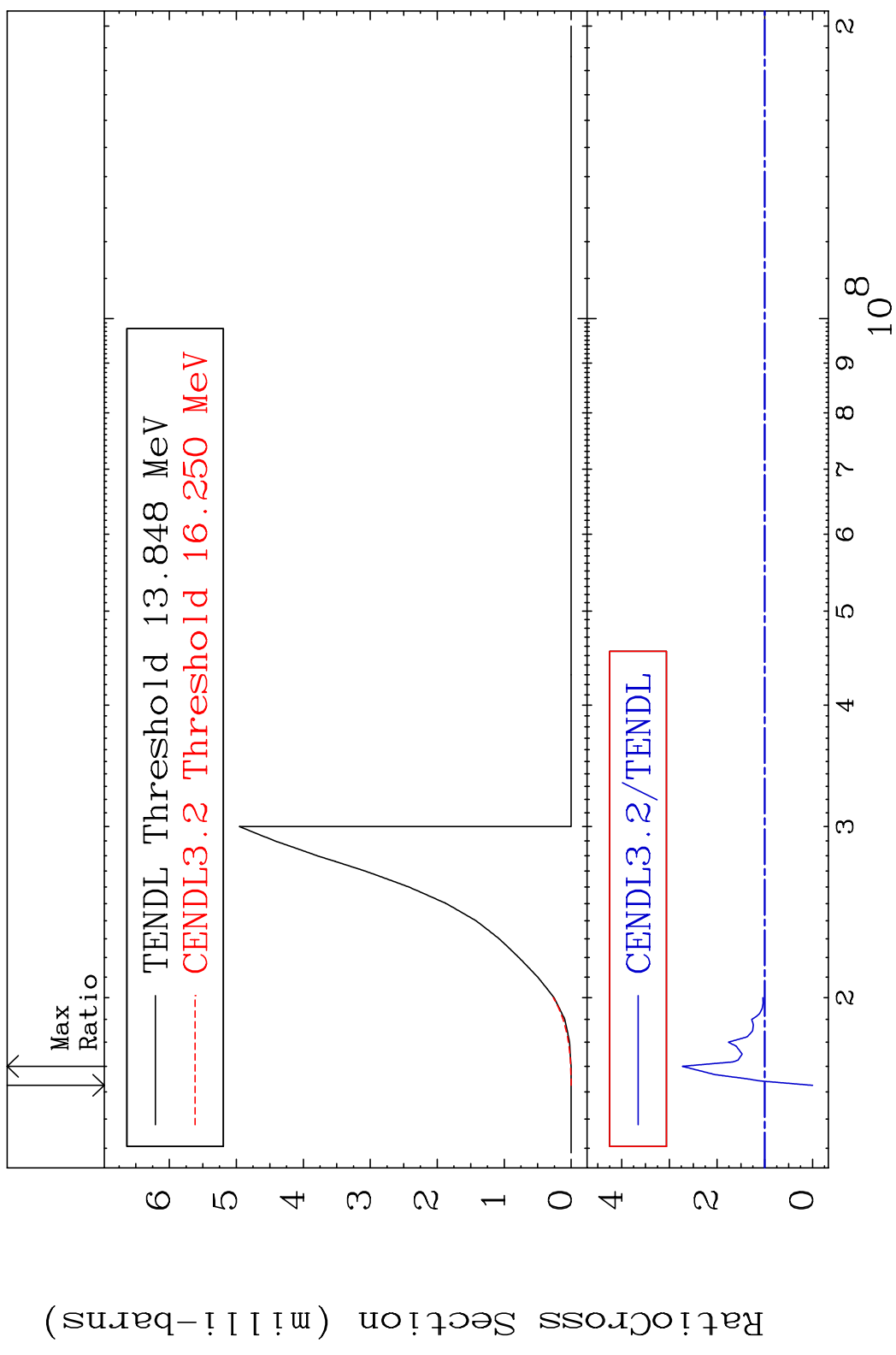


MAT 1428

(n,2p)

14-Si-29

Cross Section -100.0 To 172.8 %

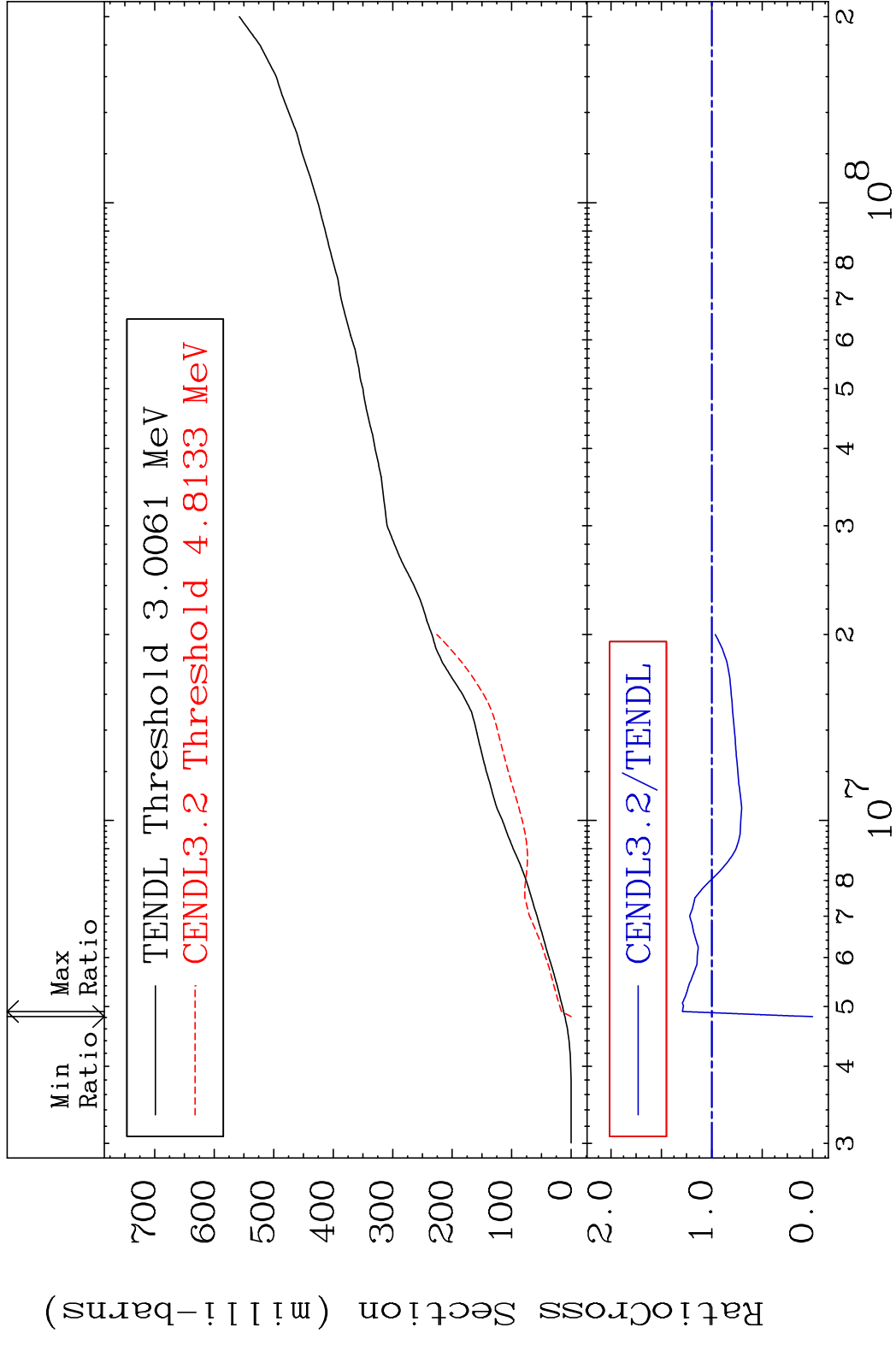


MAT 1428

Hydrogen Production

¹⁴Si-29

Cross Section -100.0 To 29.18 %



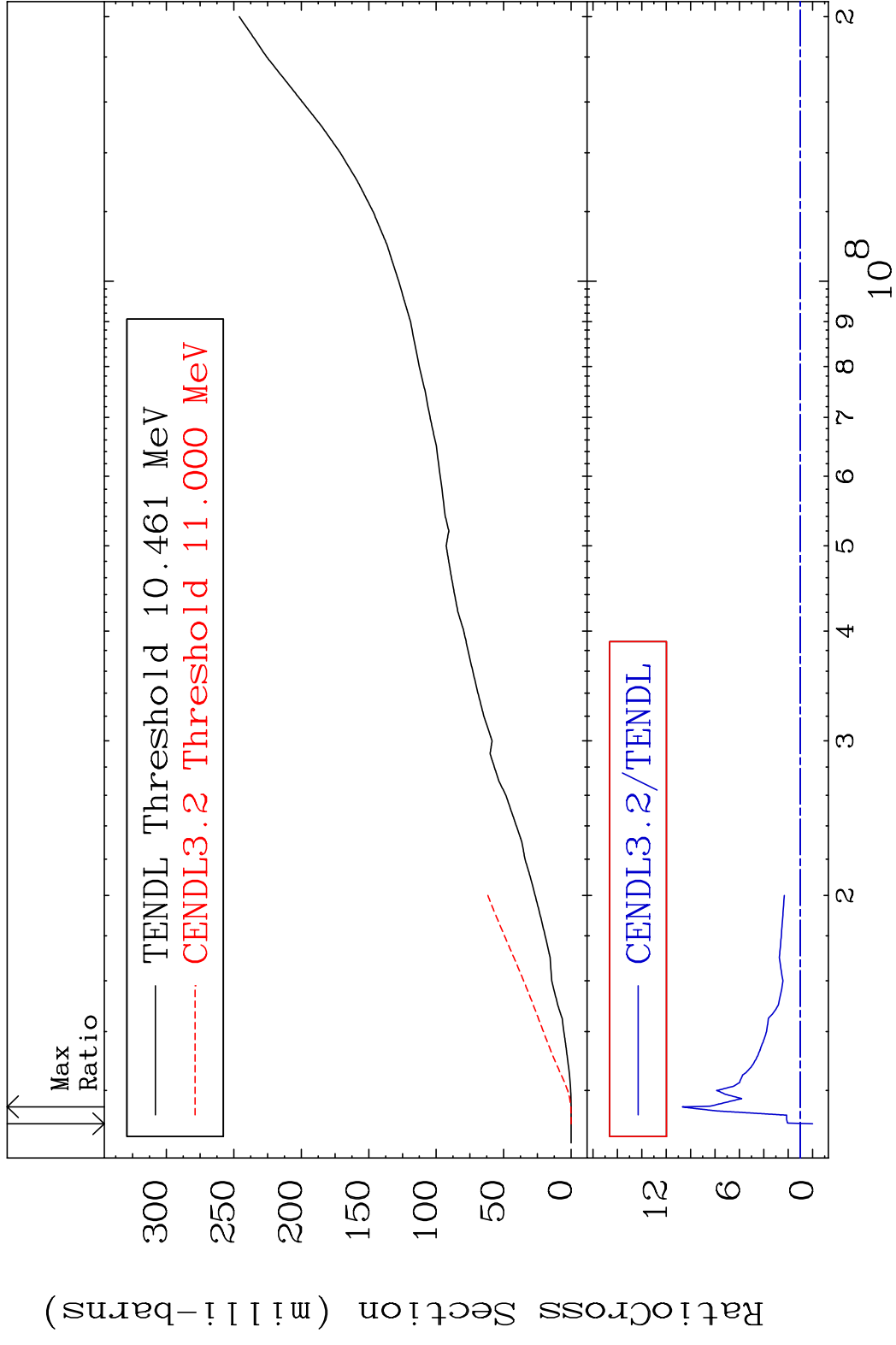
28

Incident Energy (eV)

¹⁴Si-29

MAT 1428

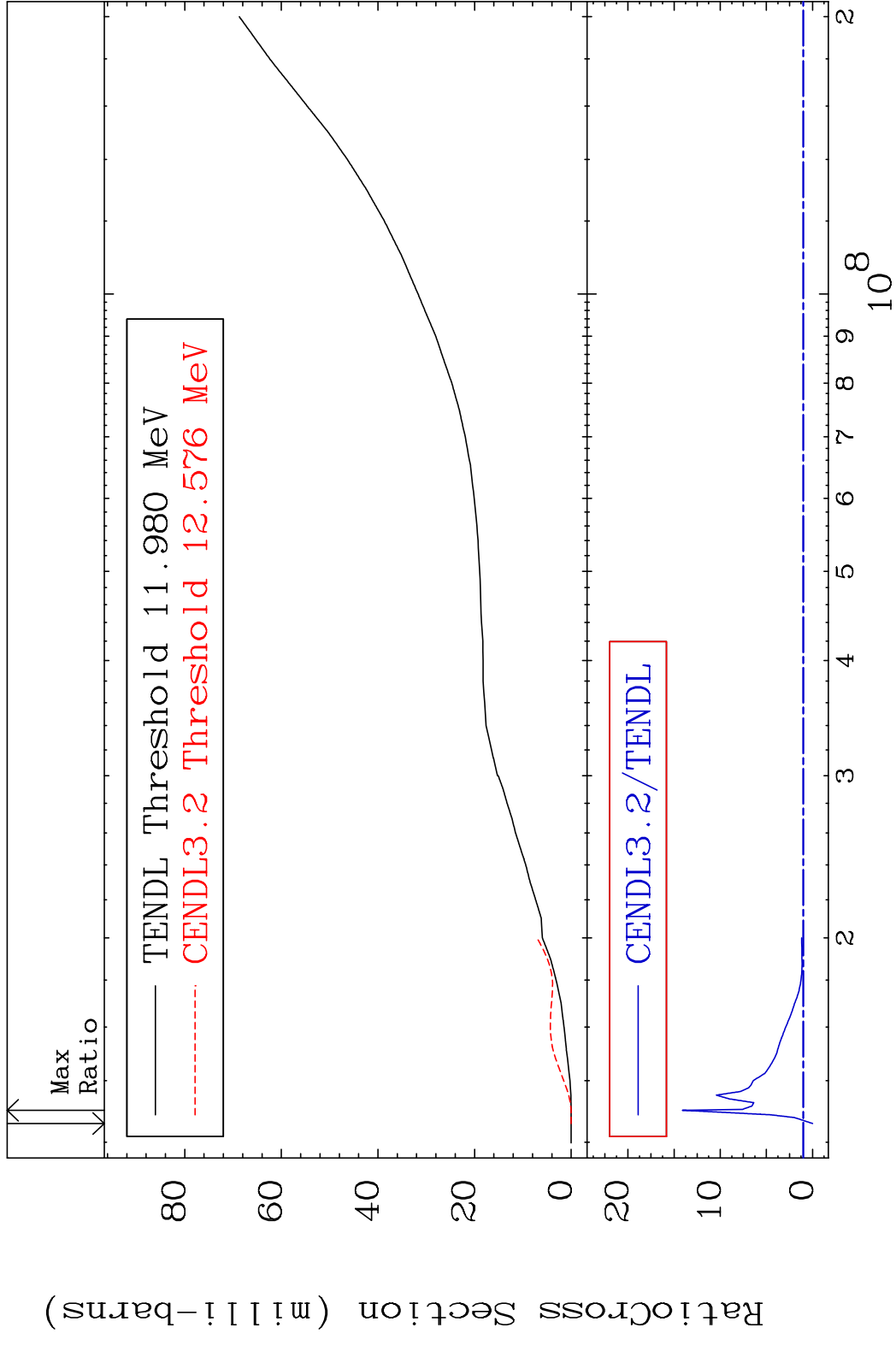
Deuterium Production ¹⁴Si-29
Cross Section -100.0 To 967.0 %



29

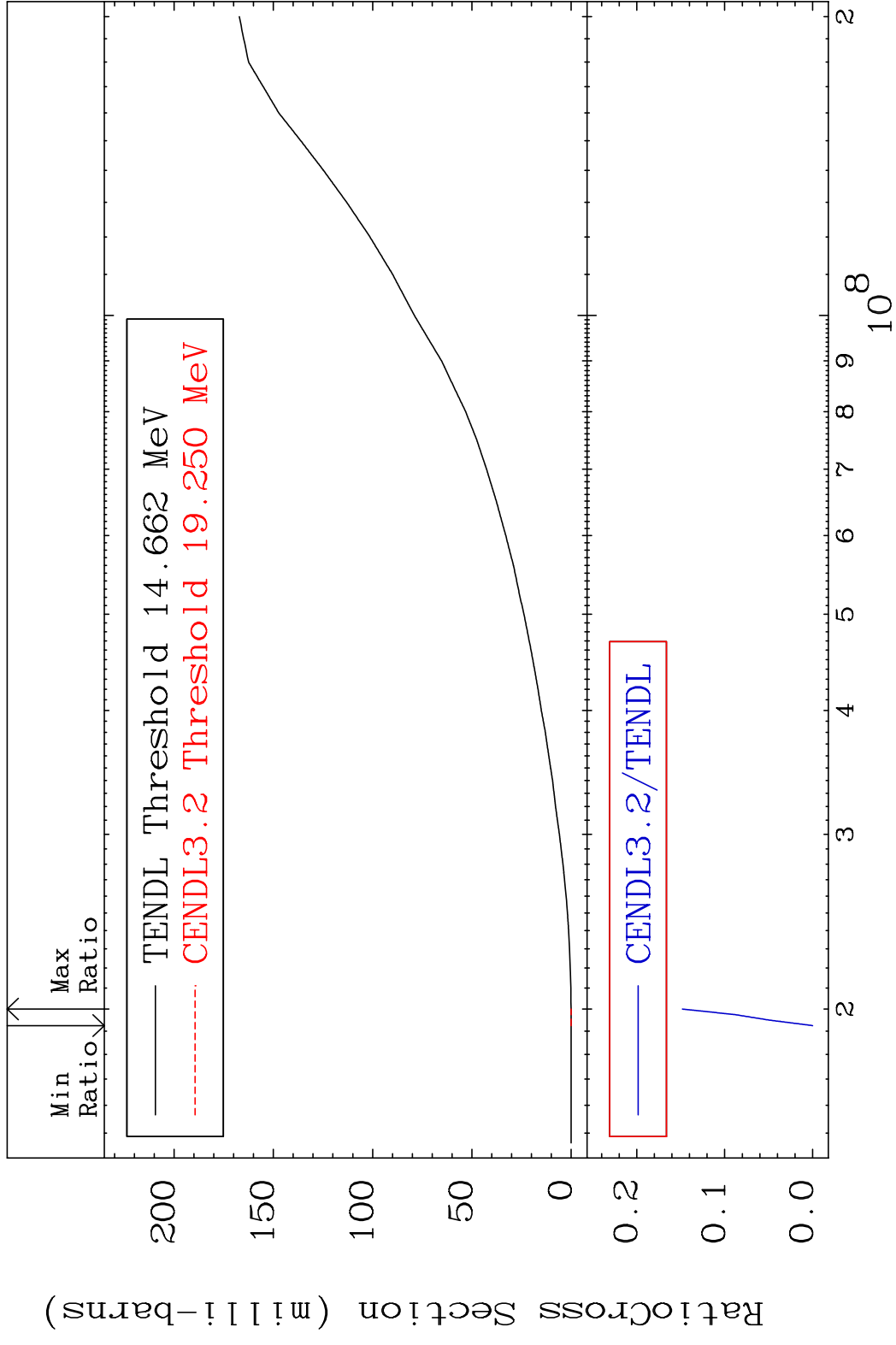
Incident Energy (eV) ¹⁴Si-29

MAT 1428 Tritium Production 14-Si-29
 Cross Section -100.0 To 1310. %



30 Incident Energy (eV) 14-Si-29

Cross Section -100.0 To -85.18%

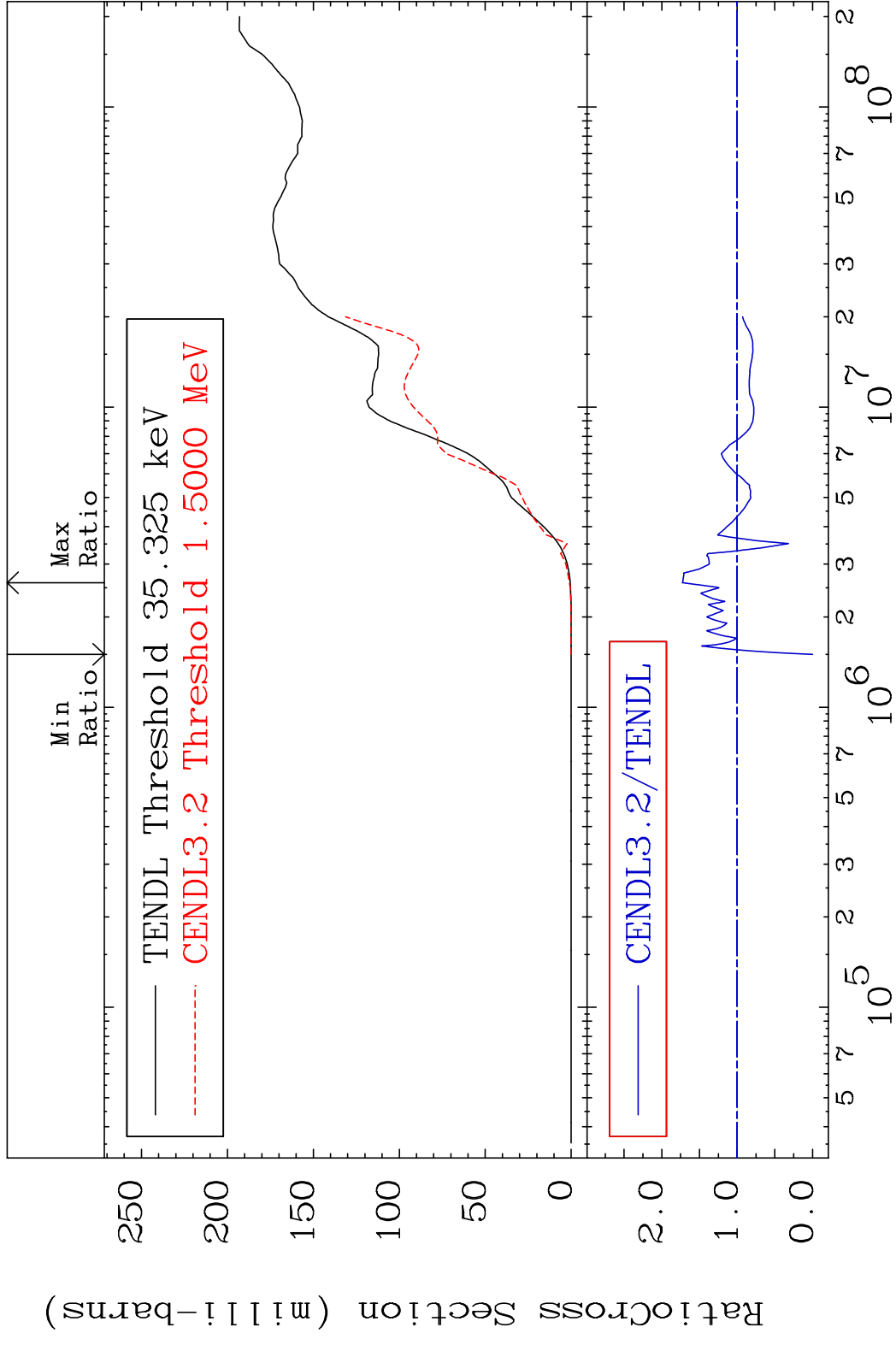


MAT 1428

He-4 Production

¹⁴Si-29

Cross Section -100.0 To 72.71 %

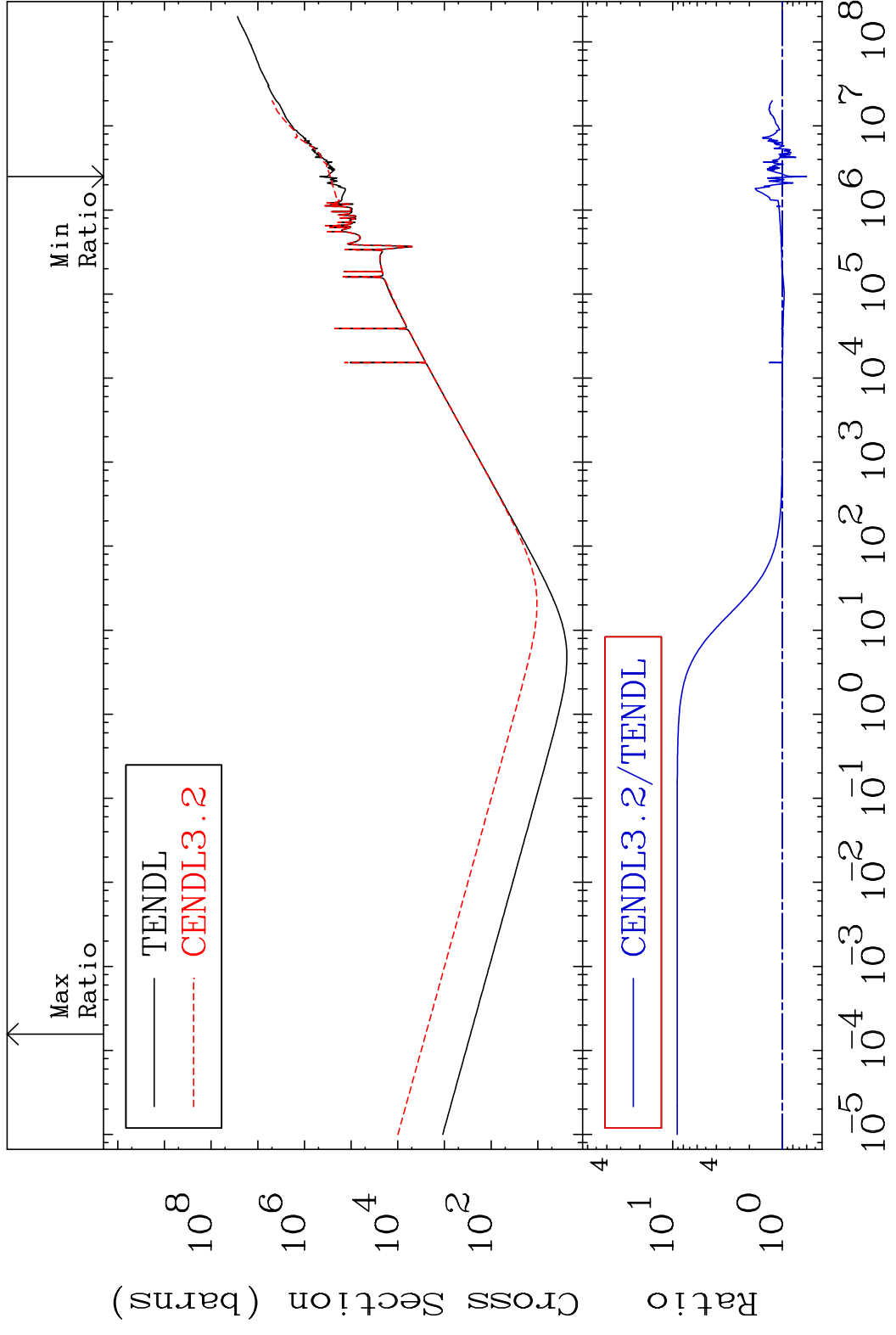


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Incident Energy (eV)

¹⁴Si-29

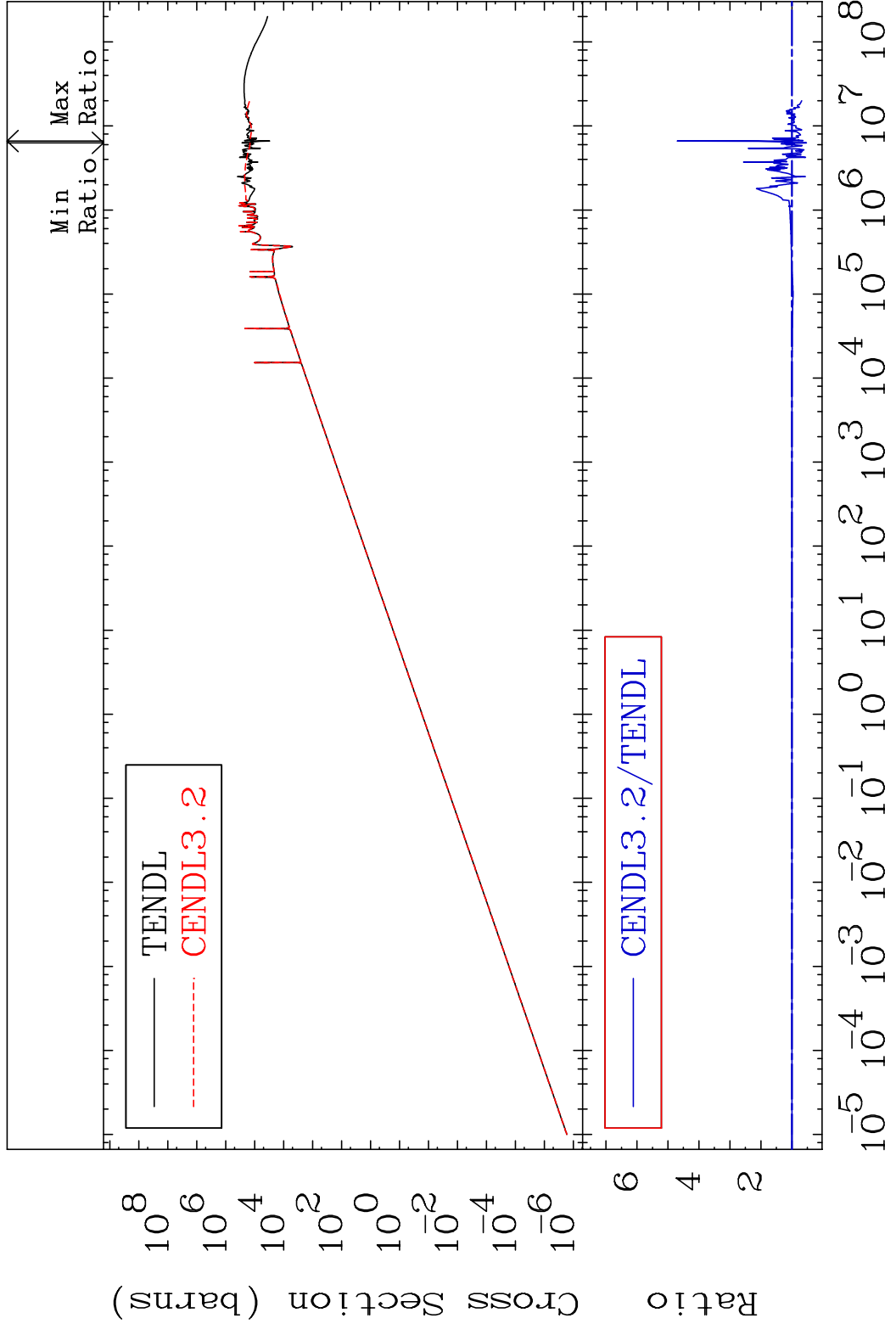
MAT 1428 Kerma total (eV-barns) 14-Si-29
 Cross Section -39.73 To 811.9 %



MAT 1428

Kerma elastic
Cross Section -46.85 To 370.1 %

14-Si-29

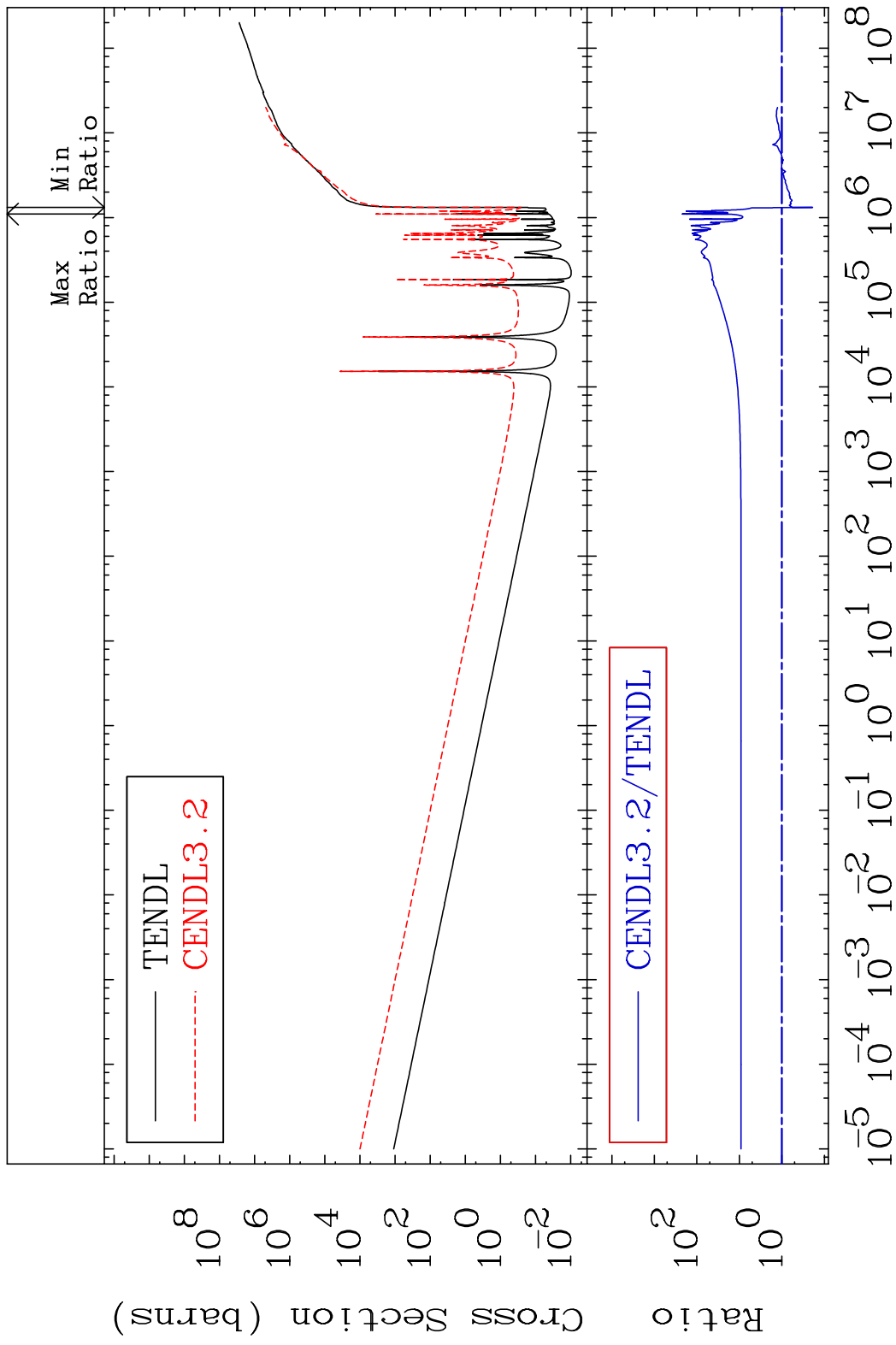


34

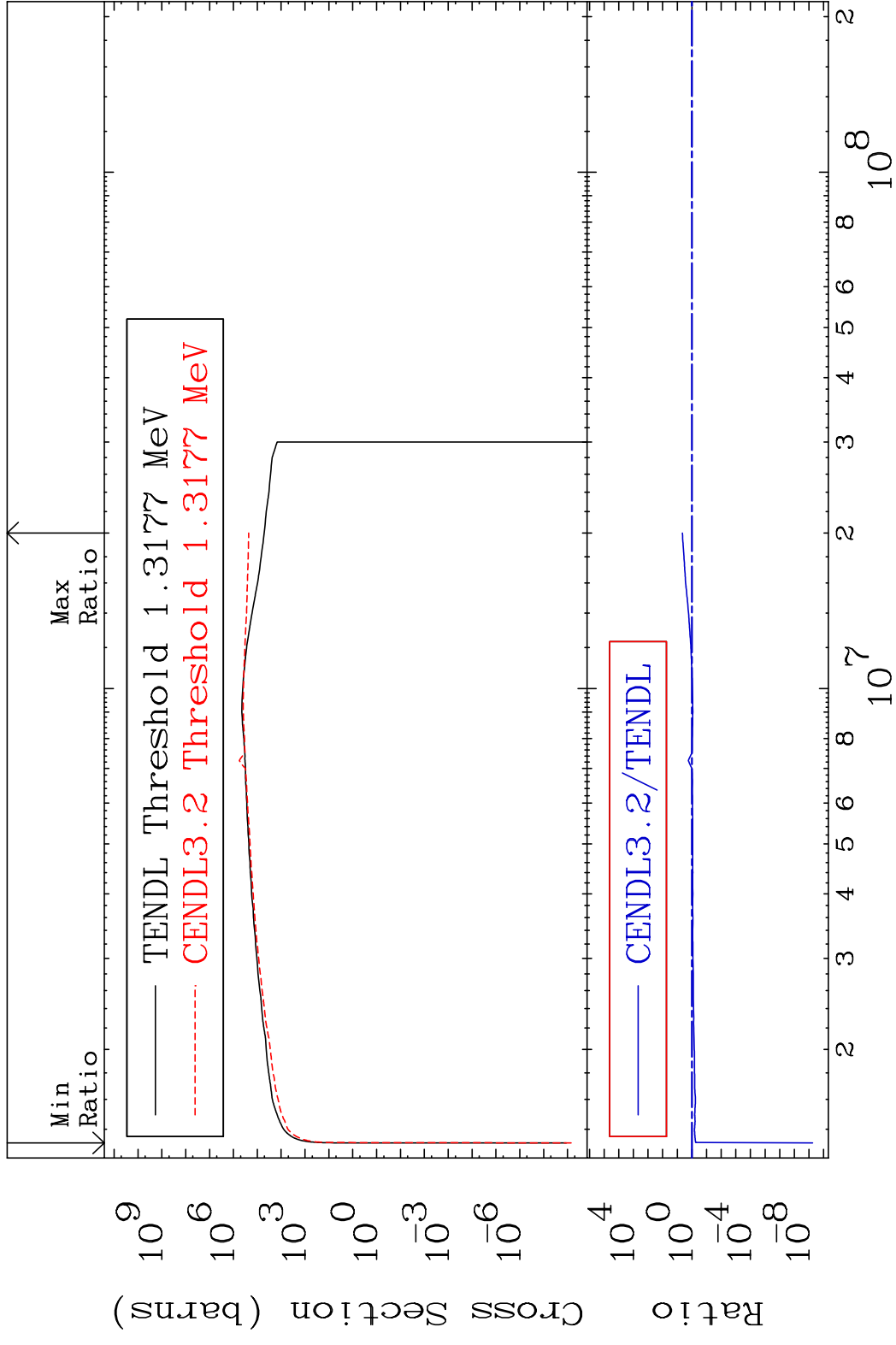
Incident Energy (eV)

14-Si-29

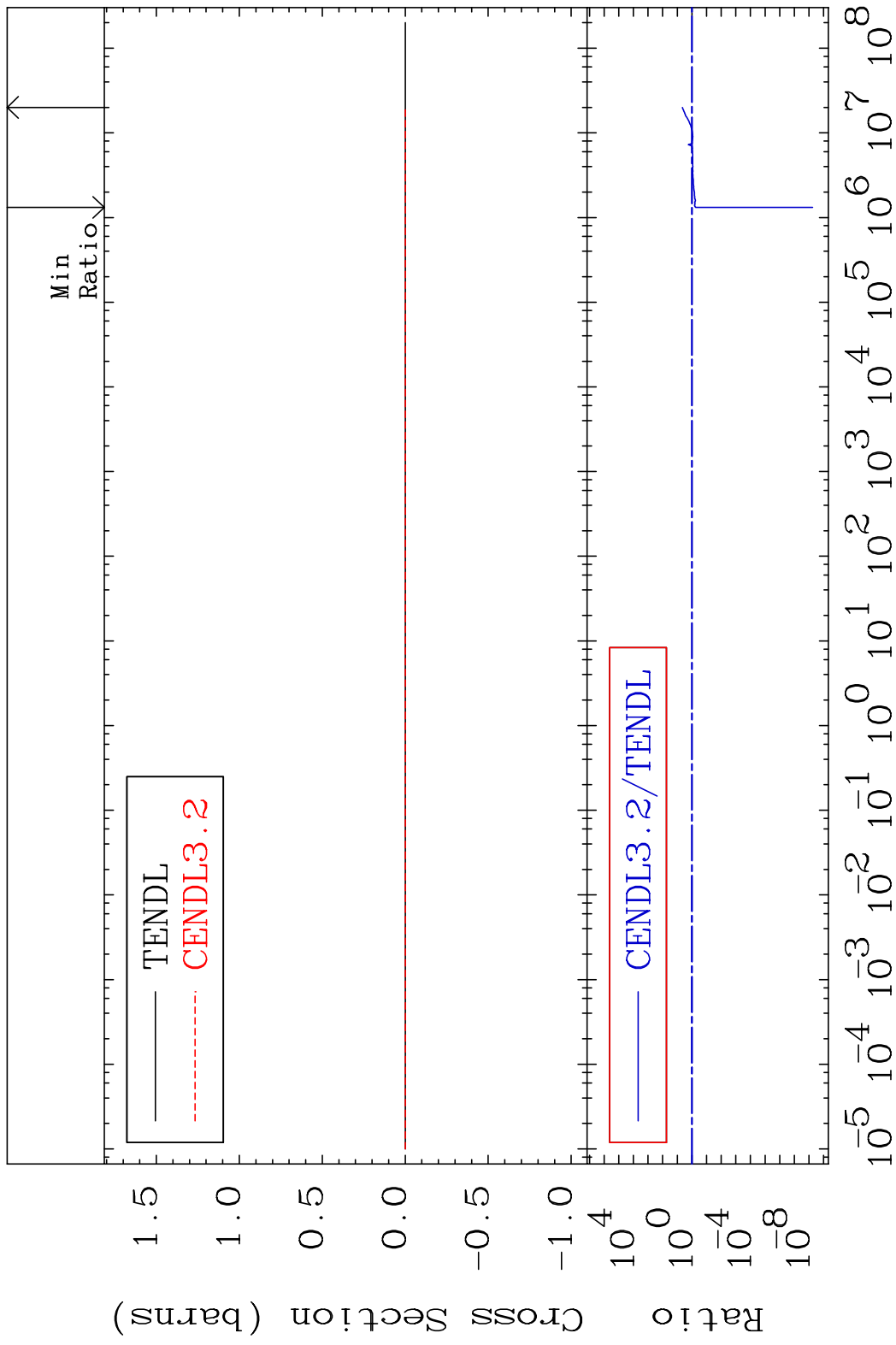
MAT 1428 Kerma non-elastic (all but mt2) 14-Si-29
 Cross Section -81.03 To 9999. %



MAT 1428 Kerma inelastic (mt51-91) 14-Si-29
 Cross Section -100.0 To 349.6 %

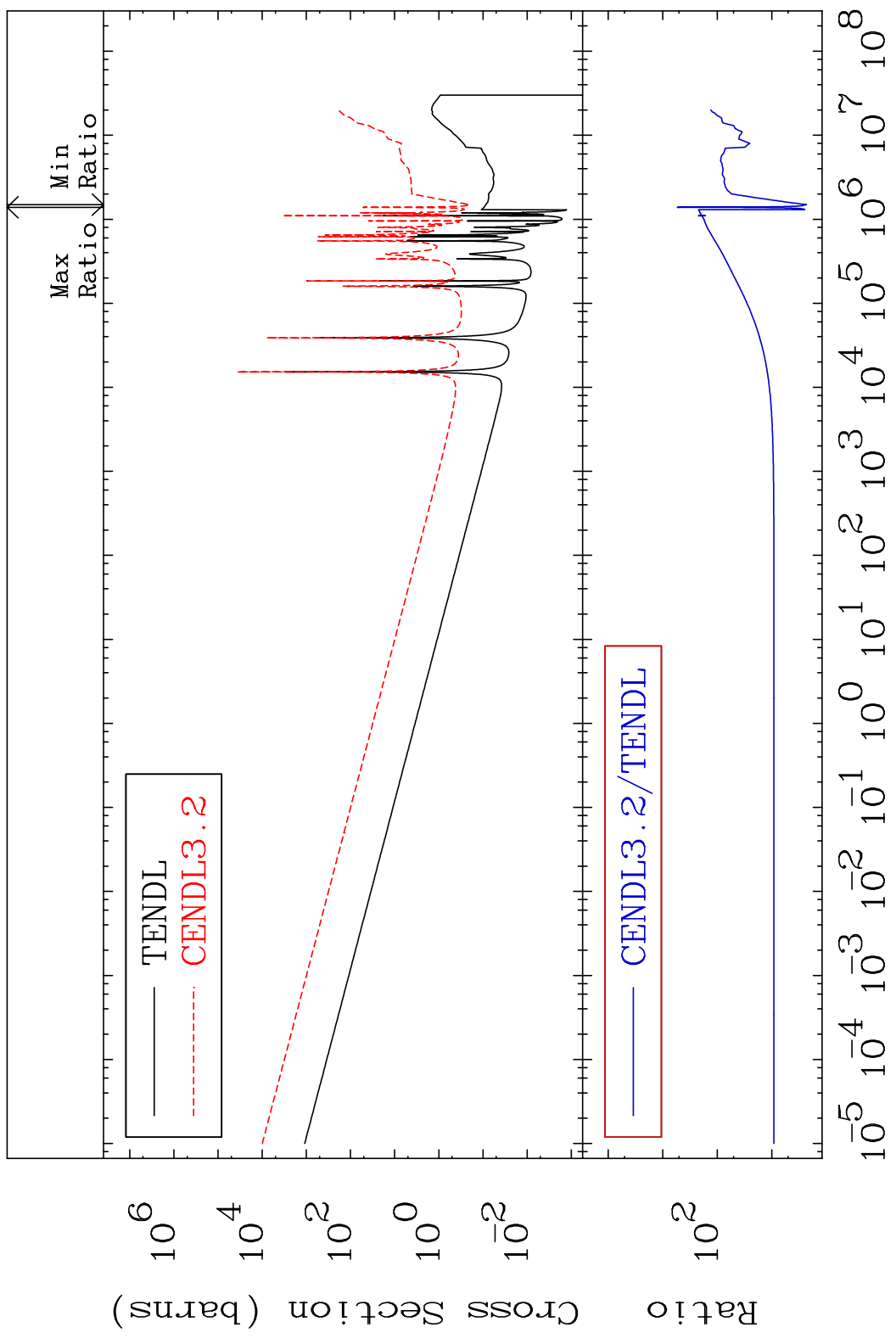


MAT 1428 Kerma fission (mt18 or mt19-20-21-38) 14-Si-29
 Cross Section -100.0 To 349.6 %



MAT 1428

Kerma capture (mt102) 14-Si-29
Cross Section 131.2 To 9999. %



38

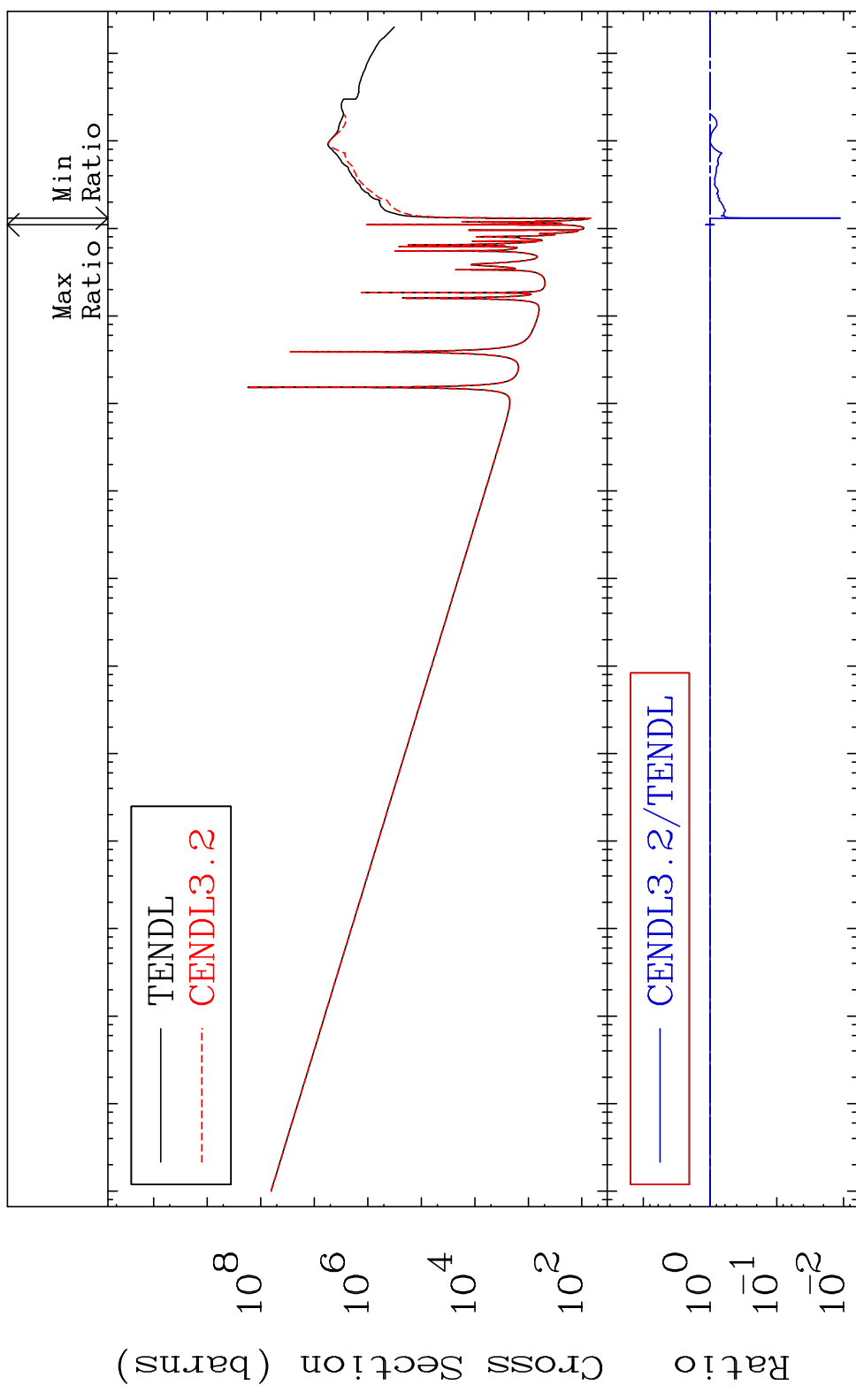
Incident Energy (eV) 14-Si-29

MAT 1428

Total photon (eV-barns)

14-Si-29

Cross Section -98.89 To 15.98 %

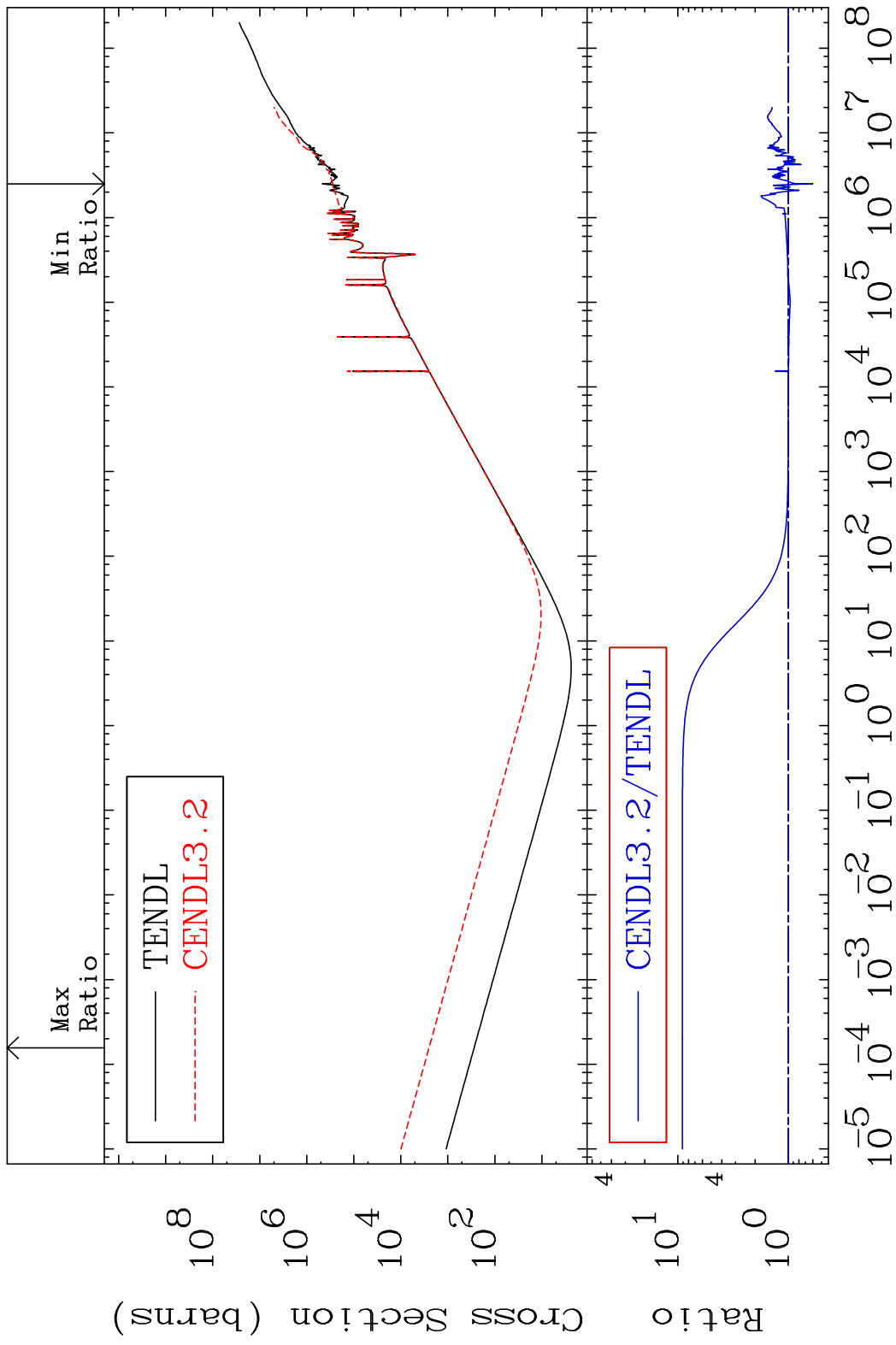


39

Incident Energy (eV)

14-Si-29

MAT 1428 Total kinematic kerma (high limit) 14-Si-29
 Cross Section -39.73 To 811.9 %

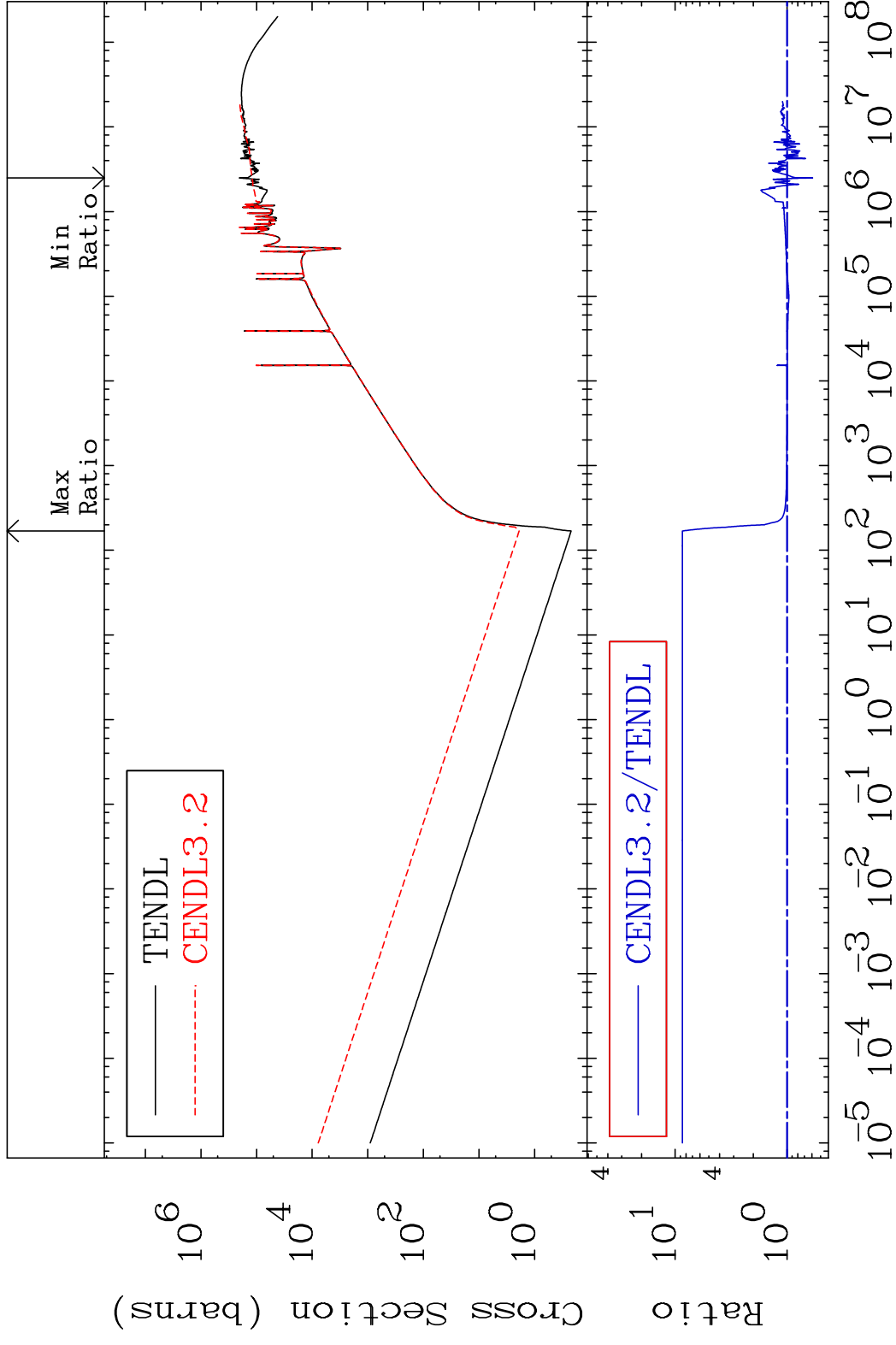


MAT 1428

Dpa total (eV-barns)

14-Si-29

Cross Section -40.91 To 762.2 %



41

Incident Energy (eV)

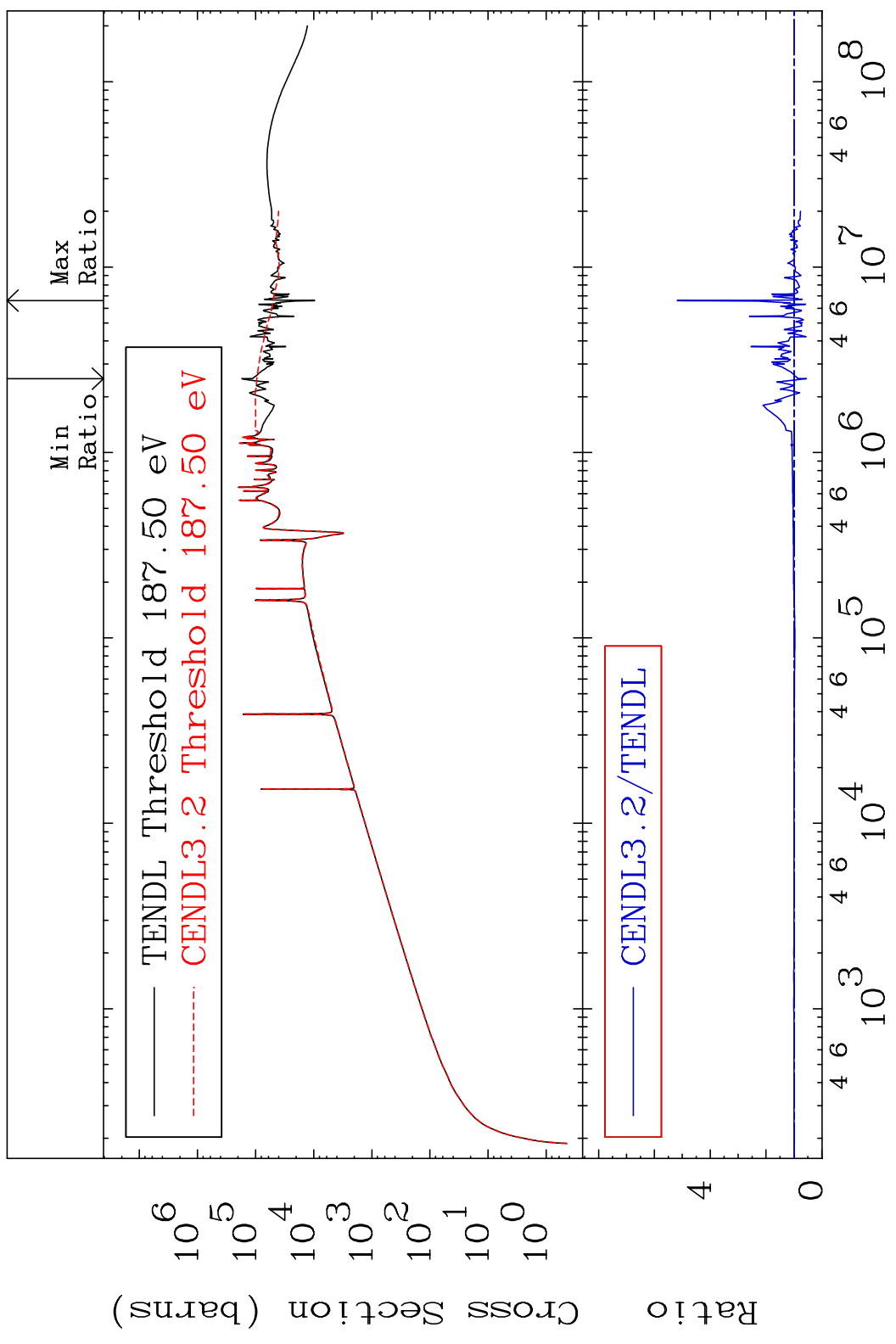
14-Si-29

MAT 1428

Dpa elastic (mt2)

14-Si-29

Cross Section -44.83 To 418.4 %

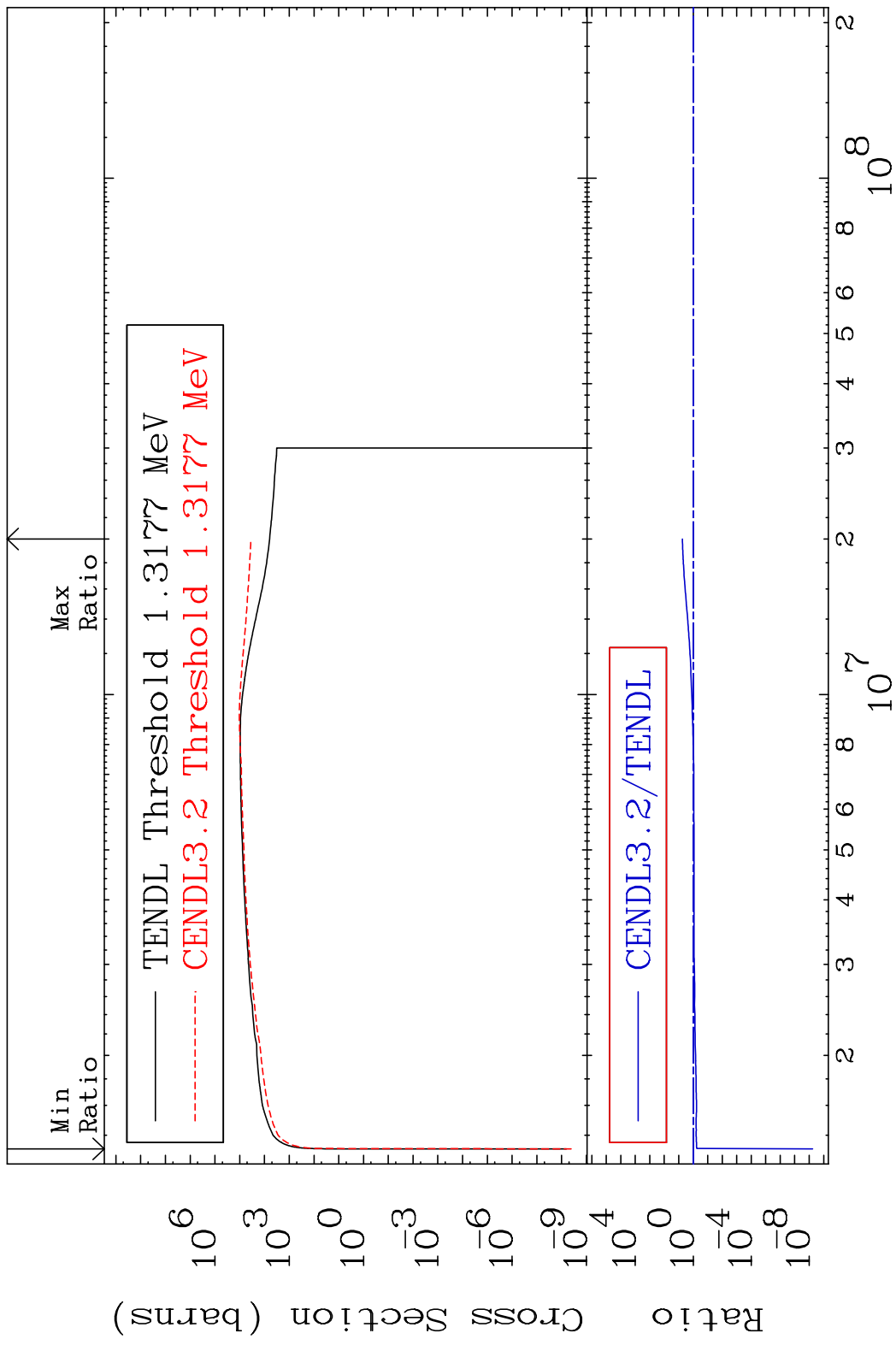


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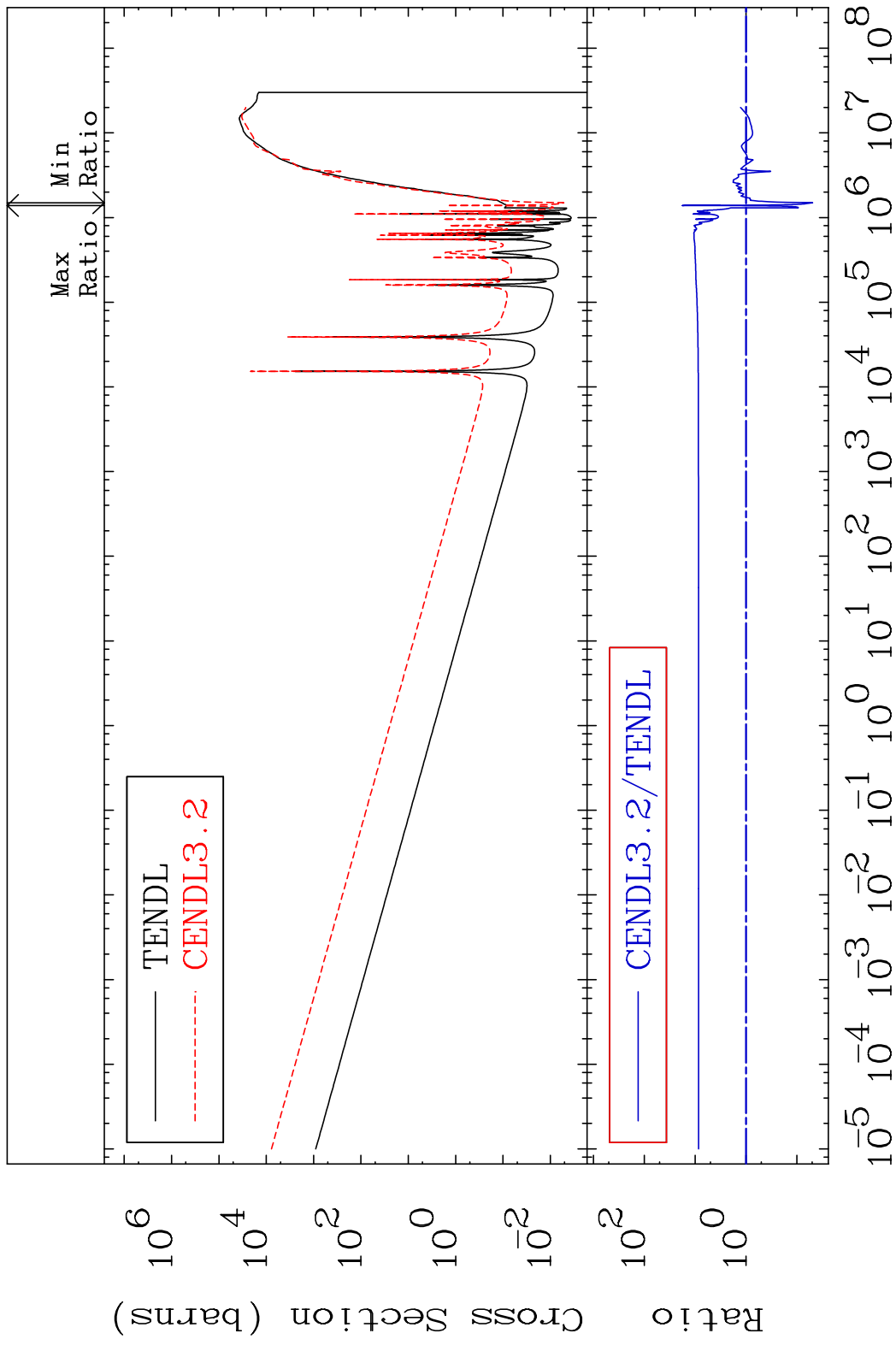
Incident Energy (eV)

14-Si-29

MAT 1428 Dpa inelastic (mt51-91) ¹⁴Si-29
 Cross Section -100.0 To 463.5 %



MAT 1428 Dpa disappearance (mt102 -120) 14-Si-29
 Cross Section -95.07 To 1689. %

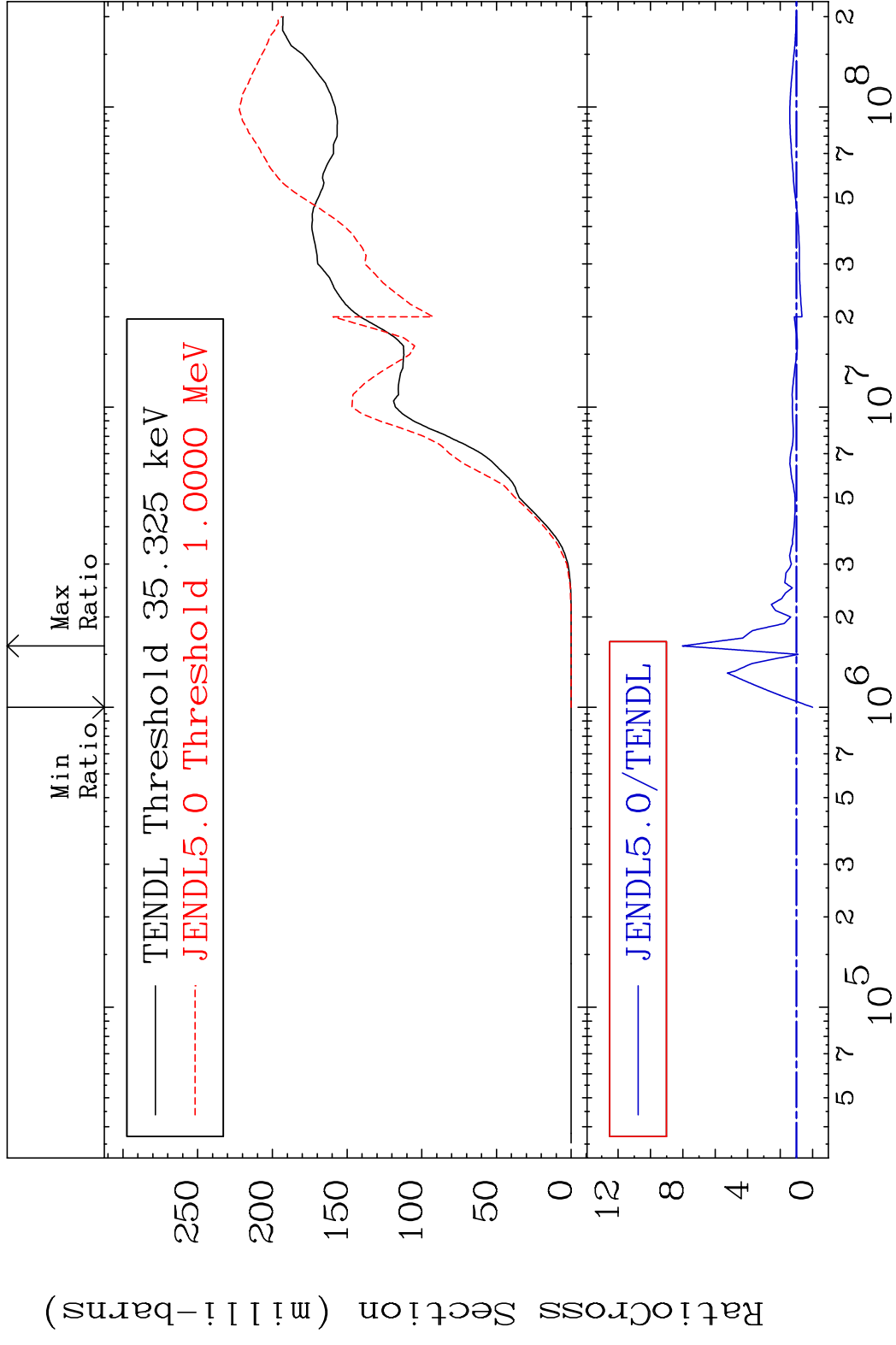


MAT 1428

He-4 Production

¹⁴Si-29

Cross Section -100.0 To 702.9 %



45

Incident Energy (eV)

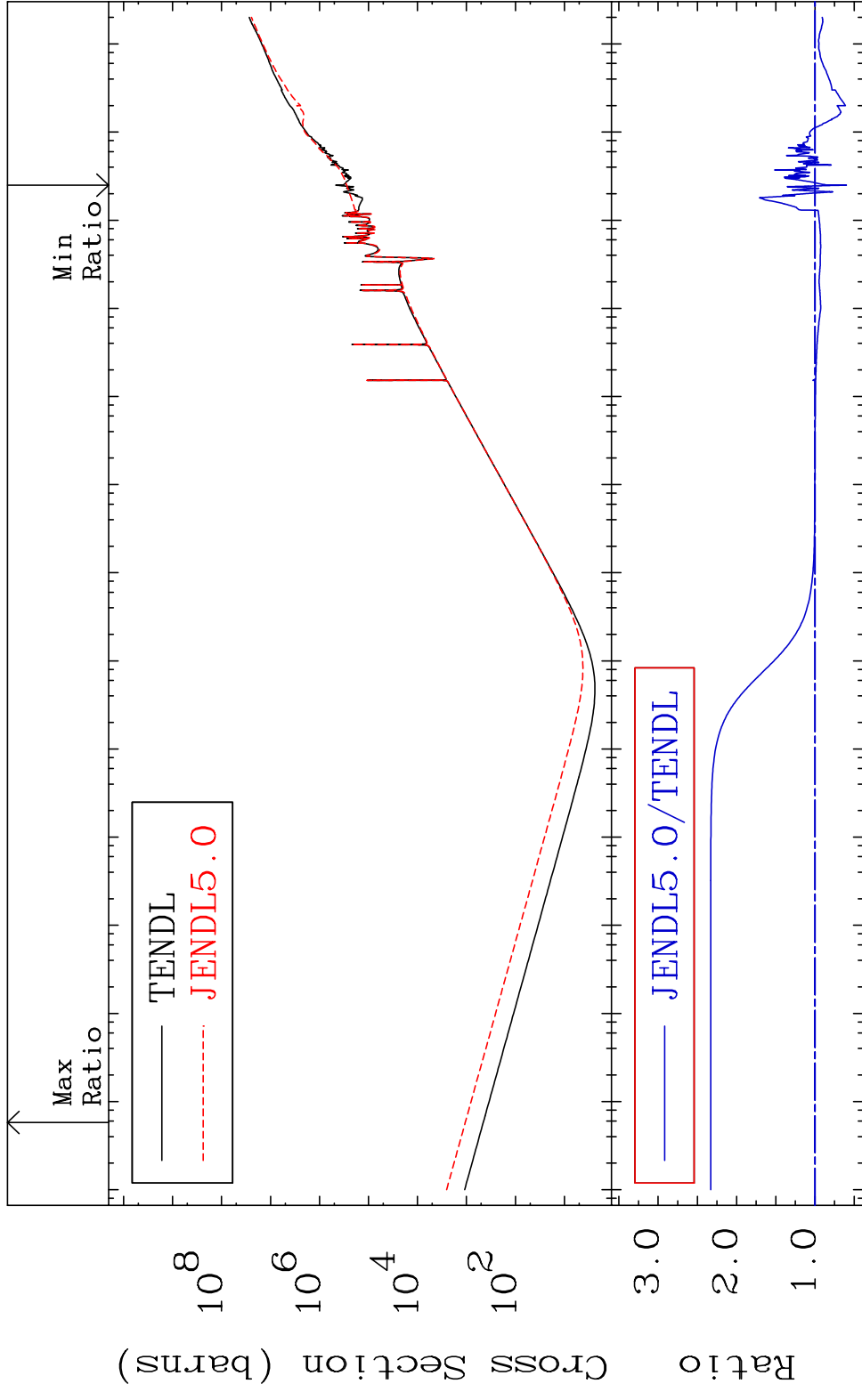
¹⁴Si-29

MAT 1428

Kerma total (eV-barns)

14-Si-29

Cross Section -40.02 To 132.9 %



46

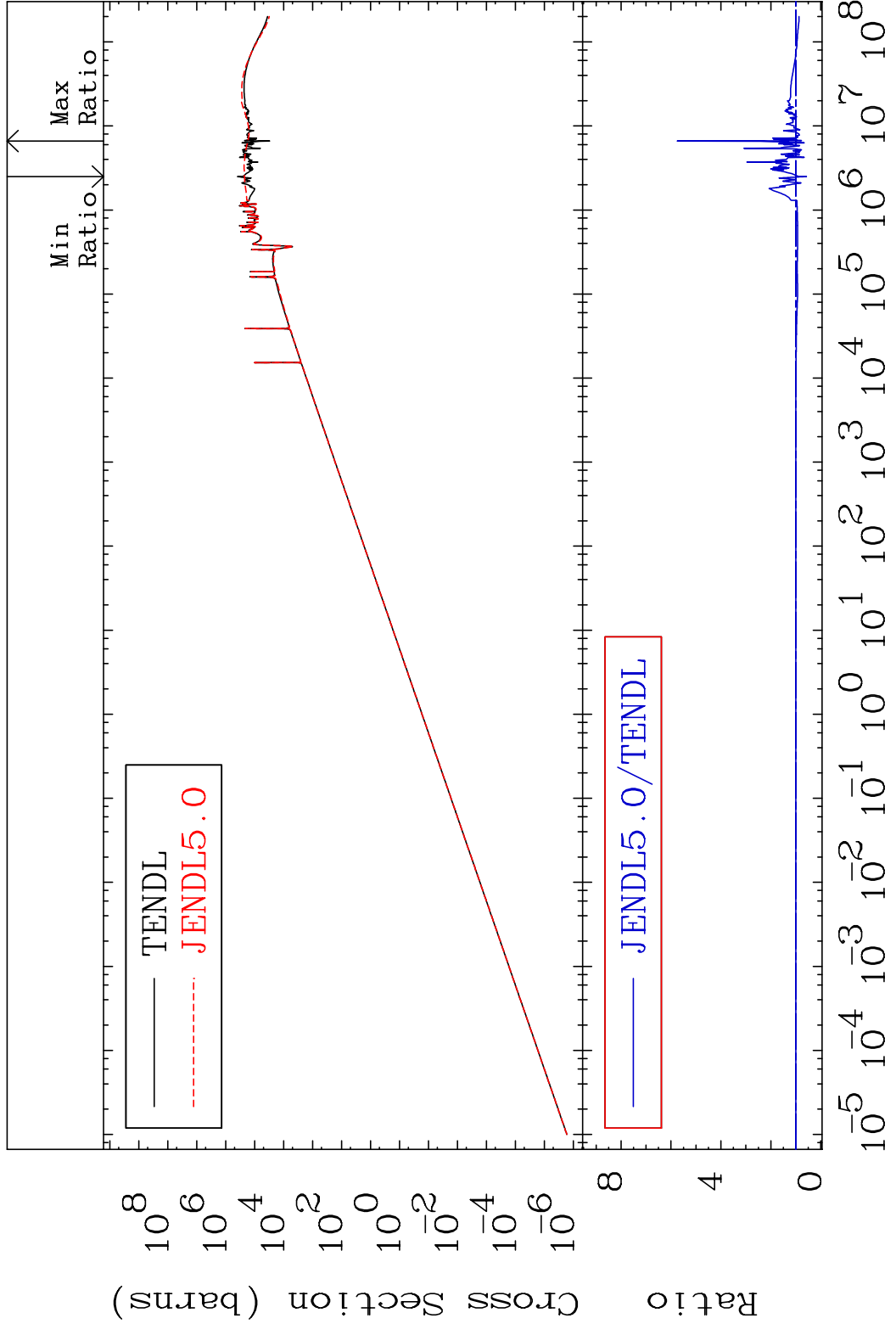
Incident Energy (eV)

14-Si-29

MAT 1428

Kerma elastic
Cross Section

14-Si-29
-42.32 To 475.2 %

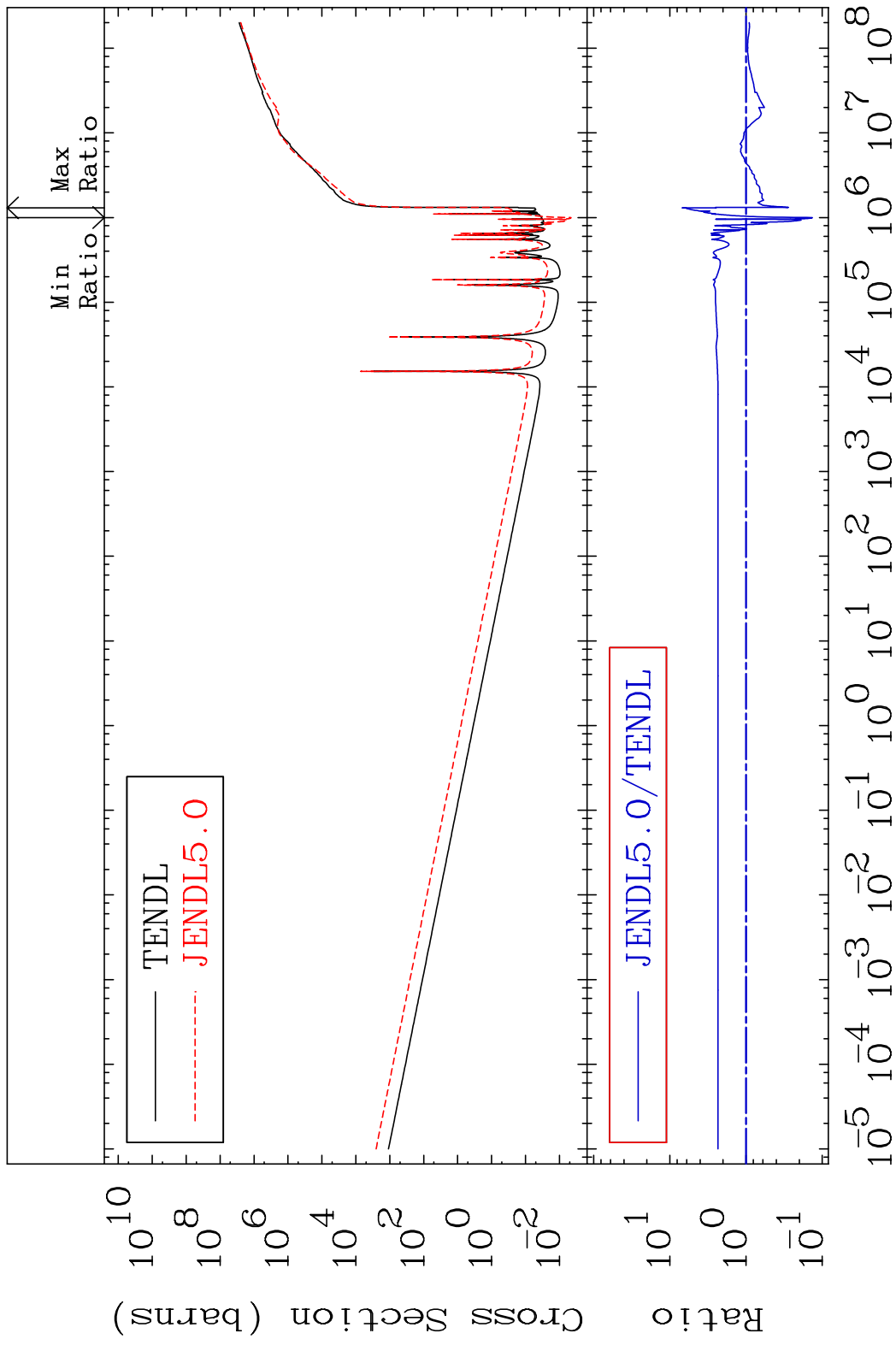


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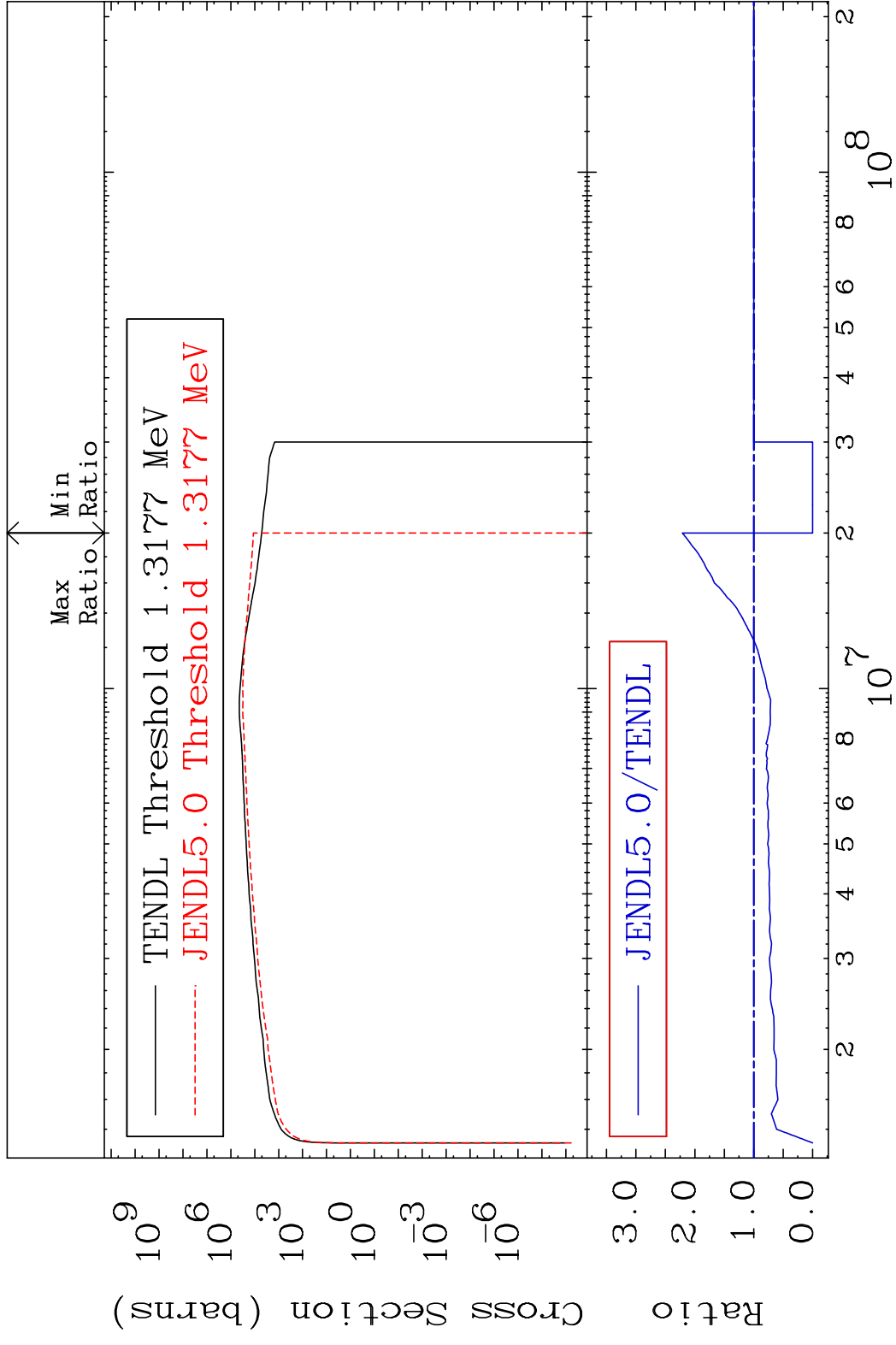
Incident Energy (eV)

14-Si-29

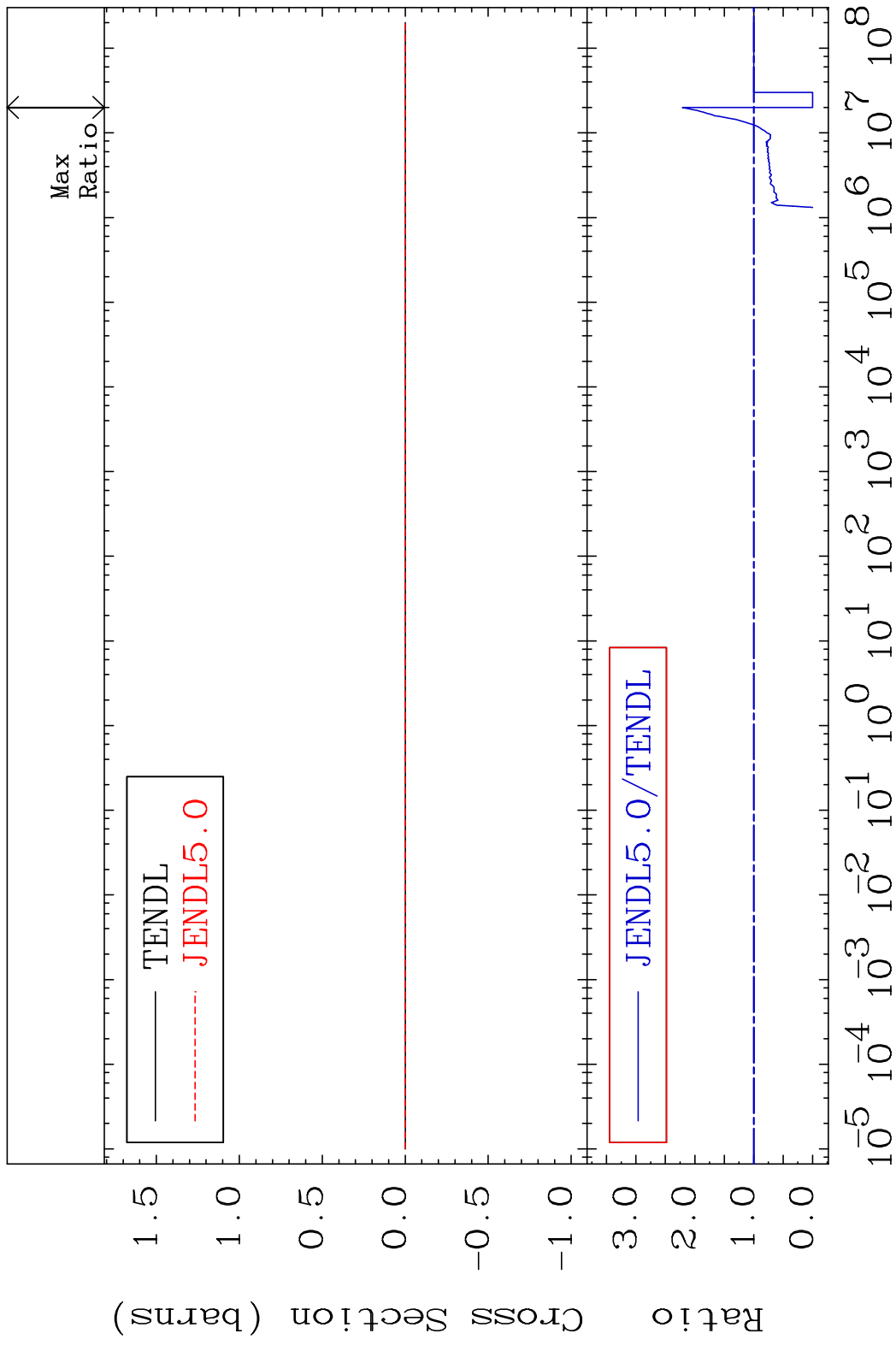
MAT 1428 Kerma non-elastic (all but mt2) 14-Si-29
 Cross Section -86.61 To 584.6 %



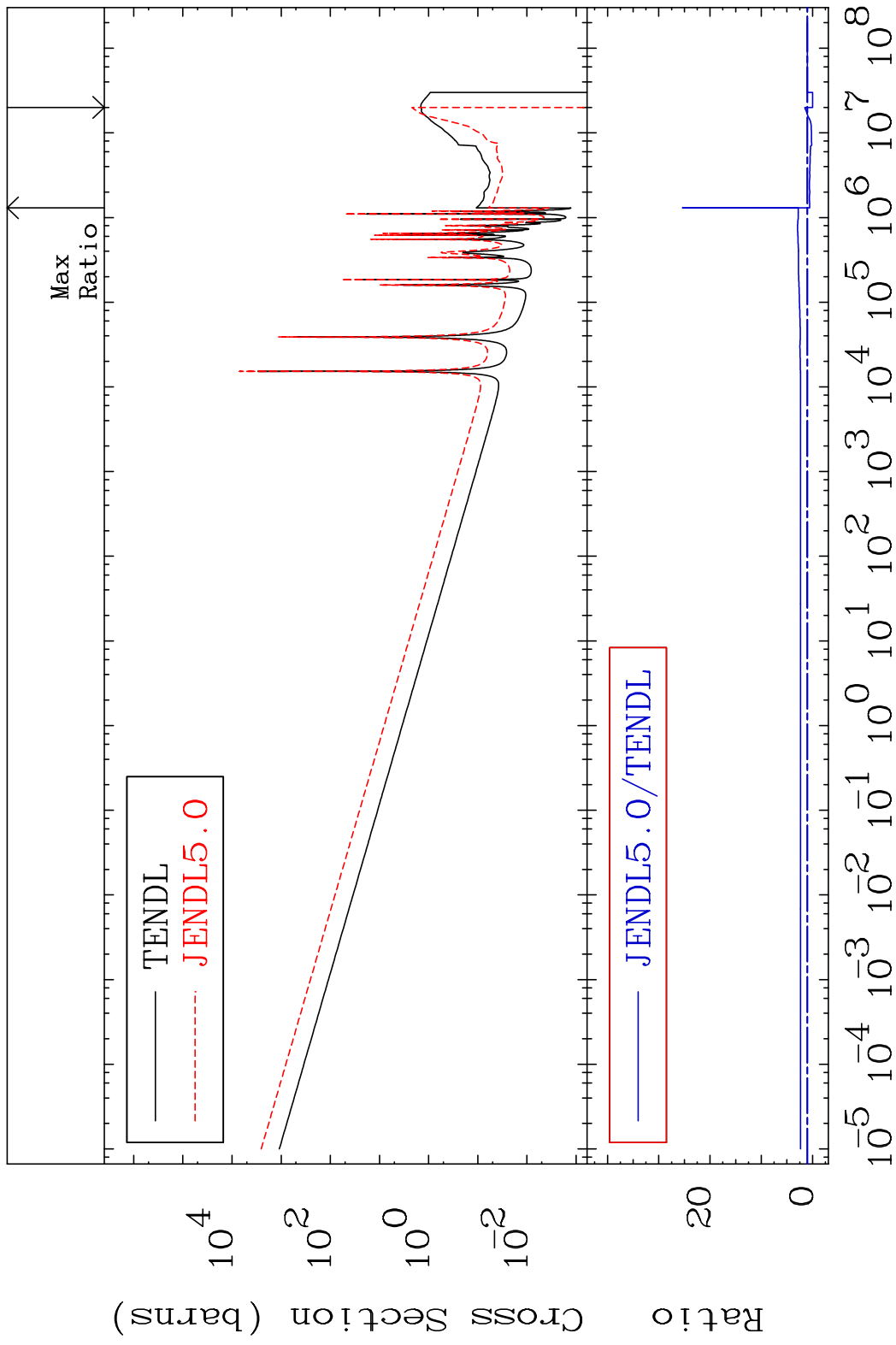
MAT 1428 Kerma inelastic (mt51-91) 14-Si-29
 Cross Section -100.0 To 121.2 %



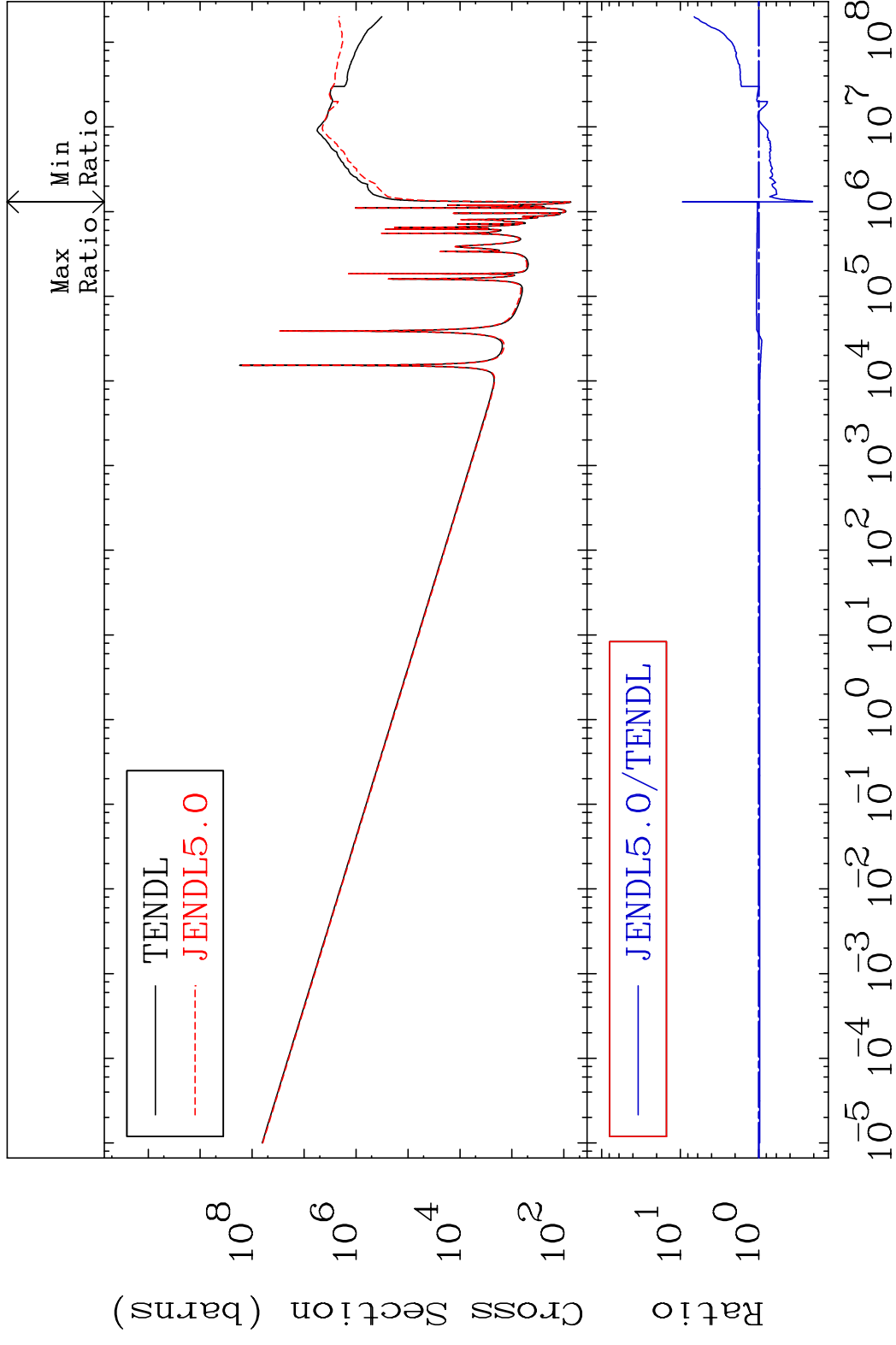
MAT 1428 Kerma fission (mt18 or mt19-20-21-38) 14-Si-29
Cross Section -100.0 To 121.2 %



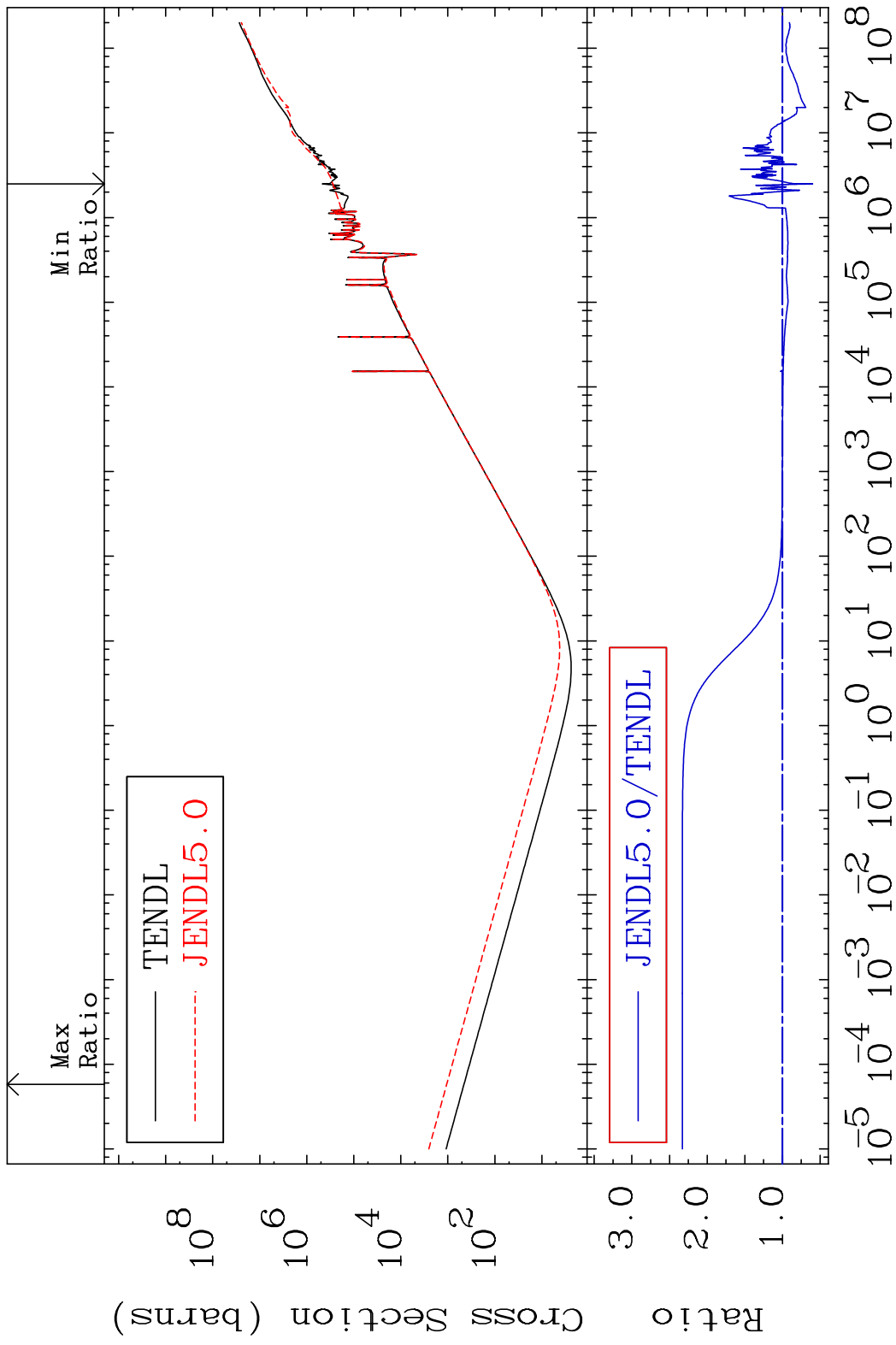
MAT 1428 Kerma capture (mt102) 14-Si-29
 Cross Section -100.0 To 2440. %



MAT 1428 Total photon (eV-barns) 14-Si-29
 Cross Section -79.29 To 839.5 %



MAT 1428 Total kinematic kerma (high limit) 14-Si-29
 Cross Section -40.03 To 132.9 %

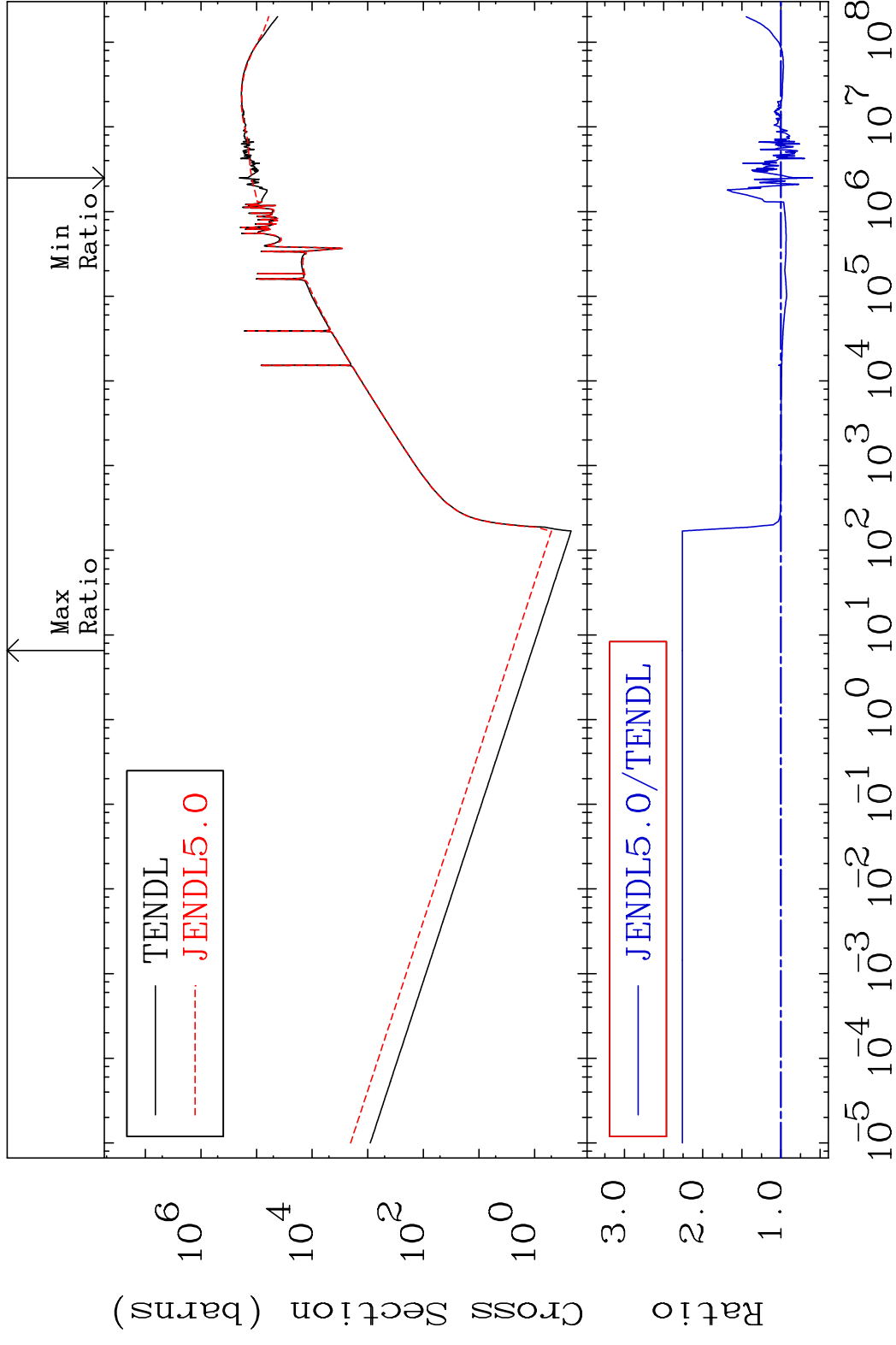


MAT 1428

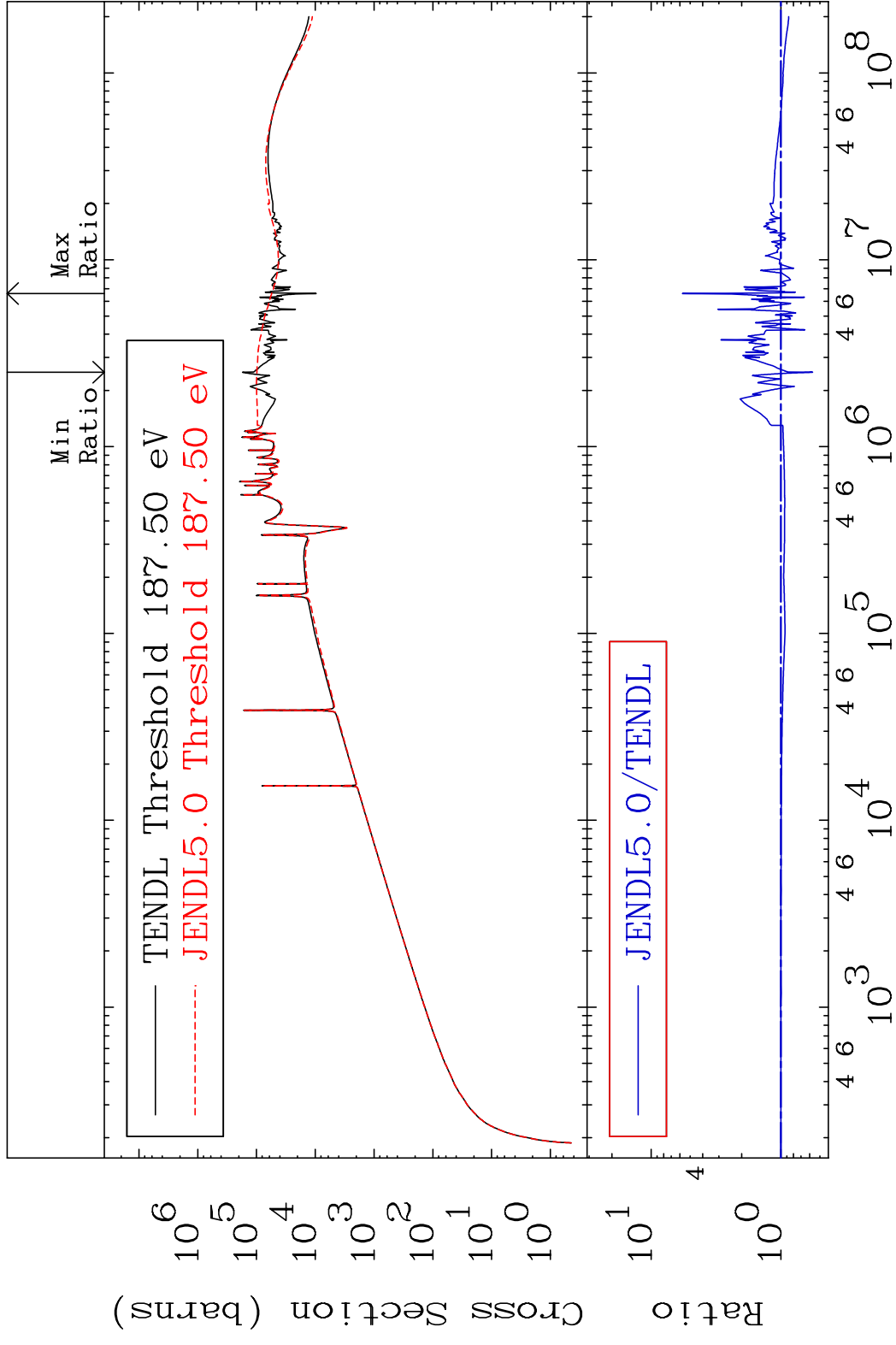
Dpa total (eV-barns)

14-Si-29

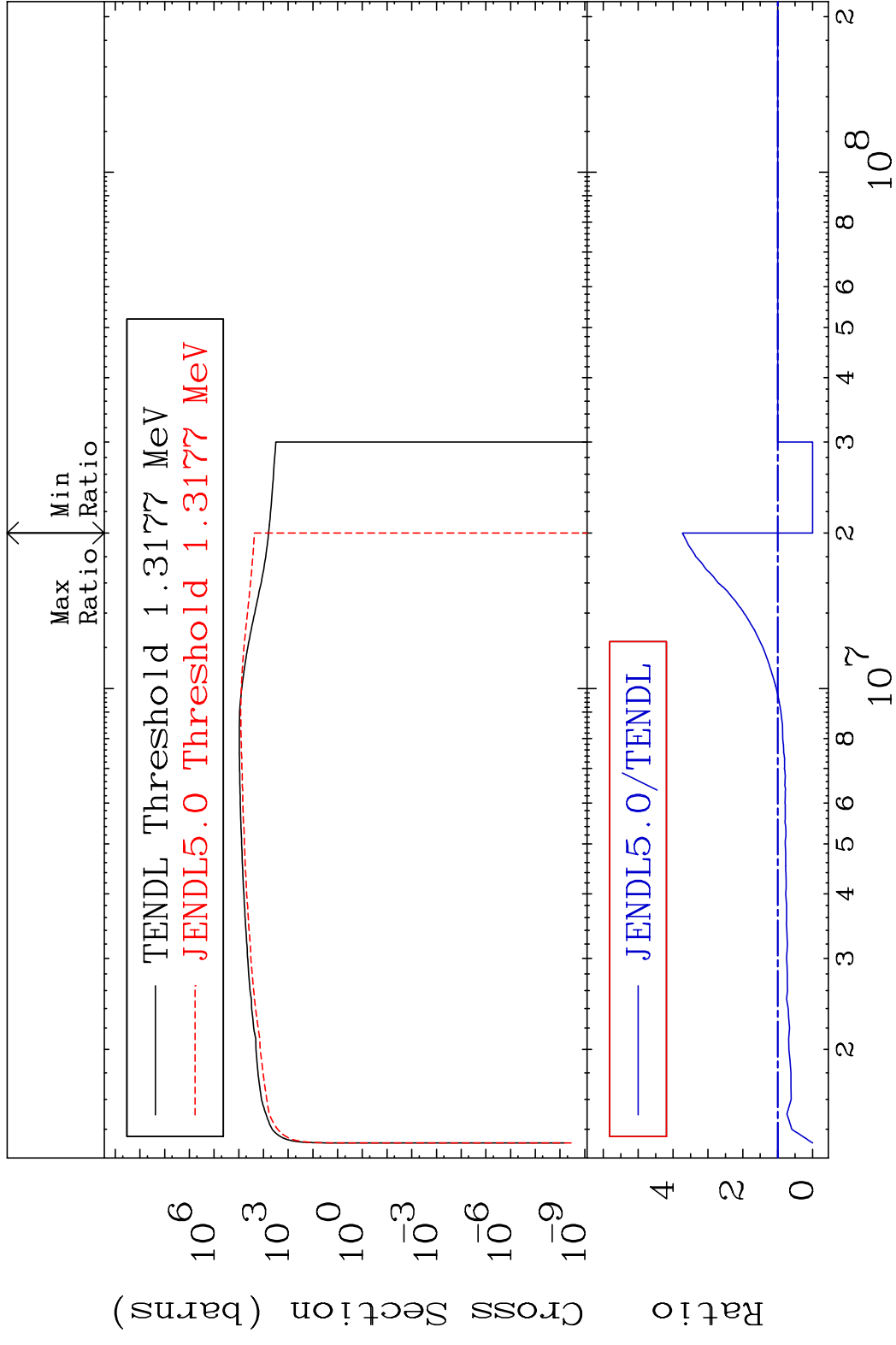
Cross Section -40.32 To 126.1 %



MAT 1428 Dpa elastic (mt2) 14-Si-29
 Cross Section -42.98 To 473.9 %



MAT 1428 Dpa inelastic (mt51-91) 14-Si-29
 Cross Section -100.0 To 273.4 %



MAT 1428 Dpa disappearance (mt102 -120) 14-Si-29
Cross Section -100.0 To 880.6 %

