

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

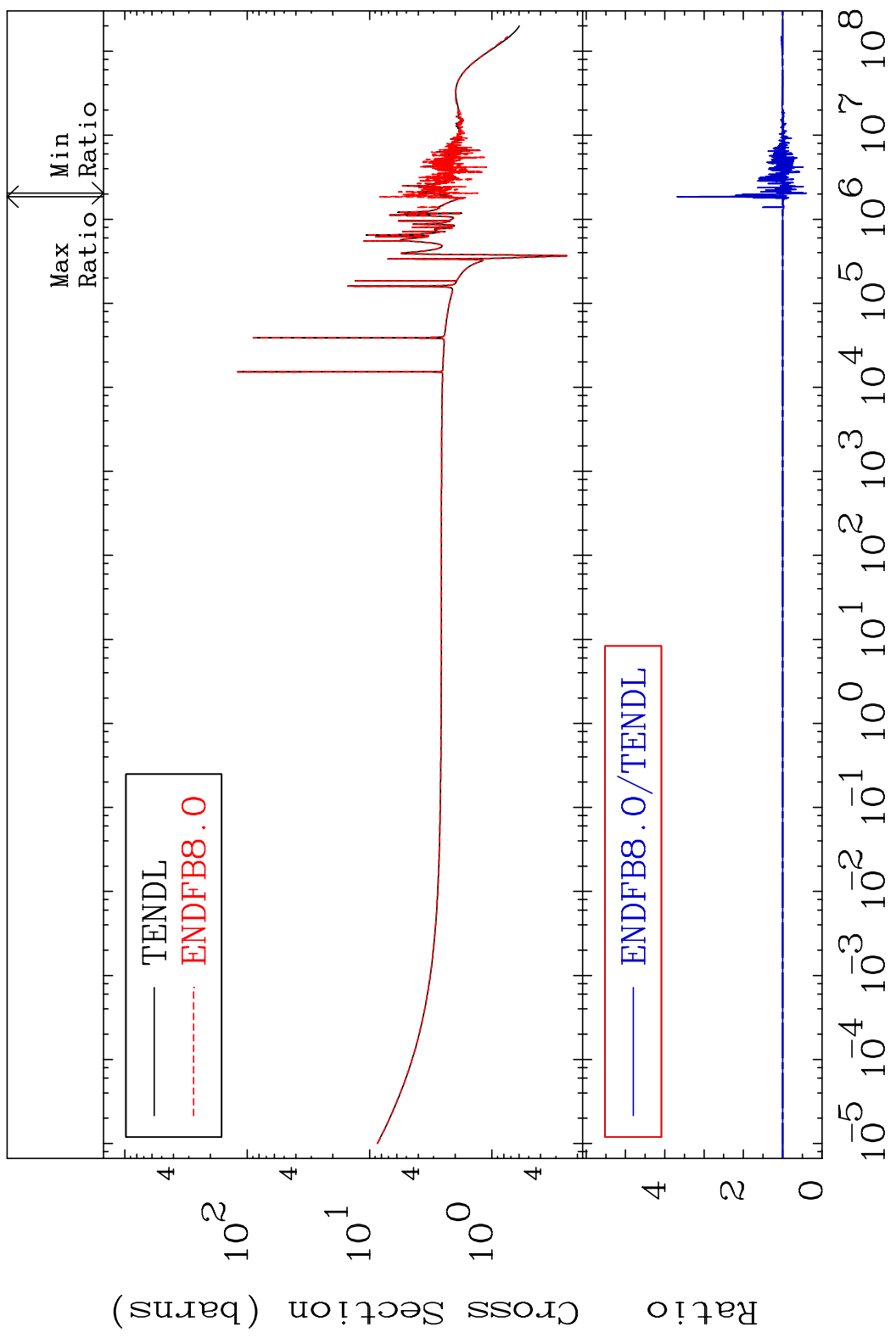
MAT 1428

Total

14-Si-29

Cross Section

-60.50 To 268.4 %



1

Incident Energy (eV)

14-Si-29

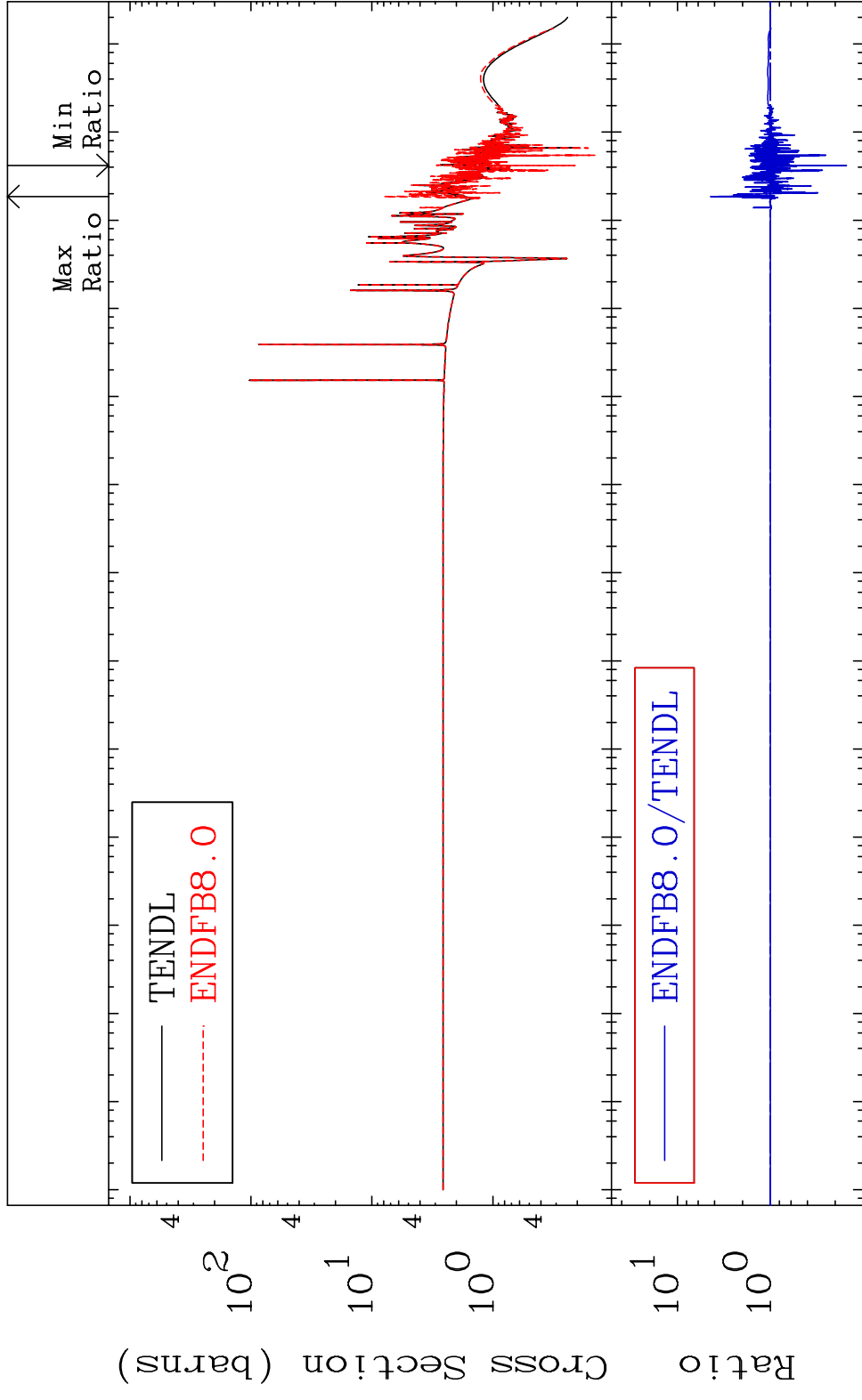
MAT 1428

Elastic

14-Si-29

Cross Section

-84.80 To 339.7 %

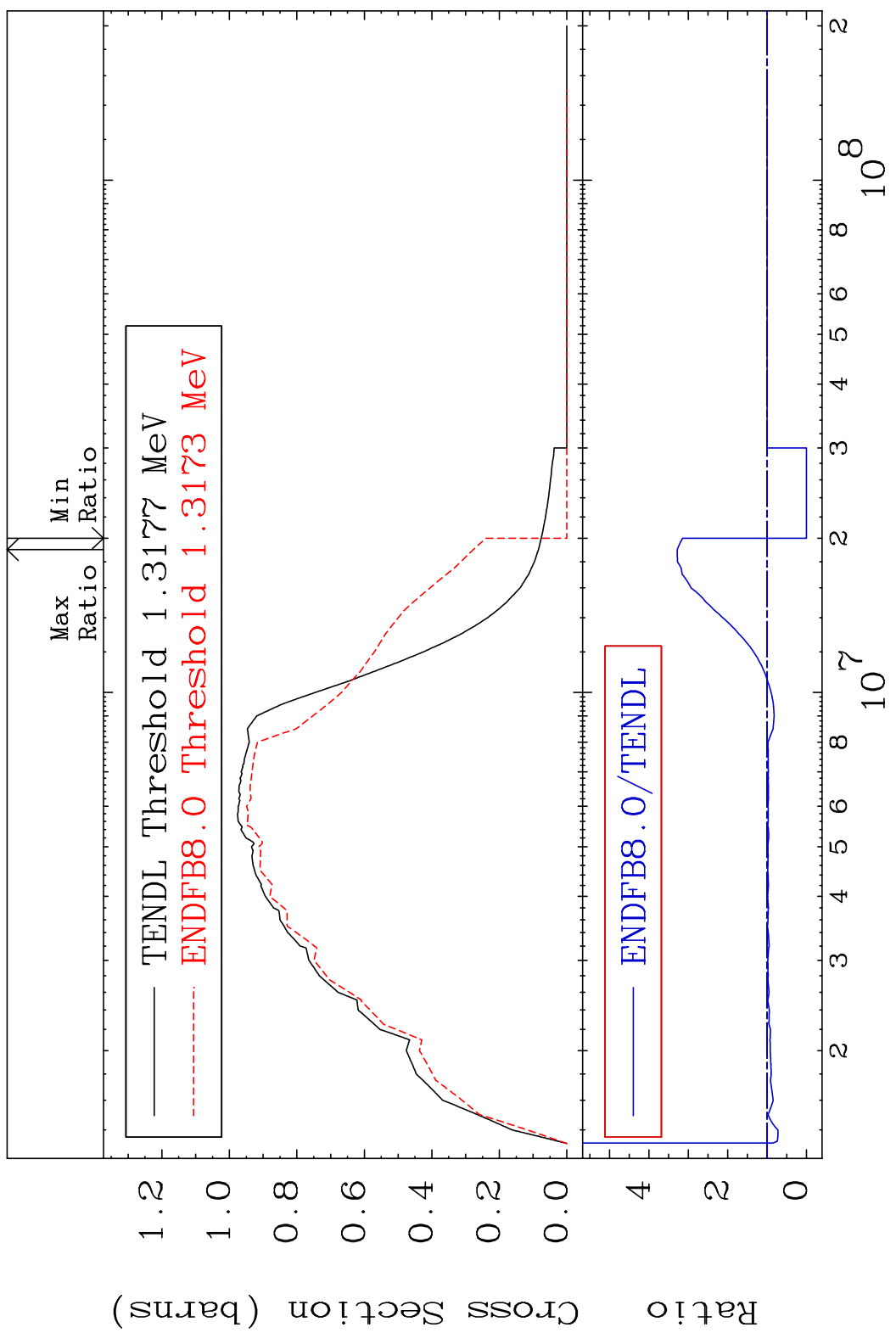


MAT 1428

Inelastic

¹⁴Si-29

Cross Section -100.0 To 228.3 %



3

Incident Energy (eV)

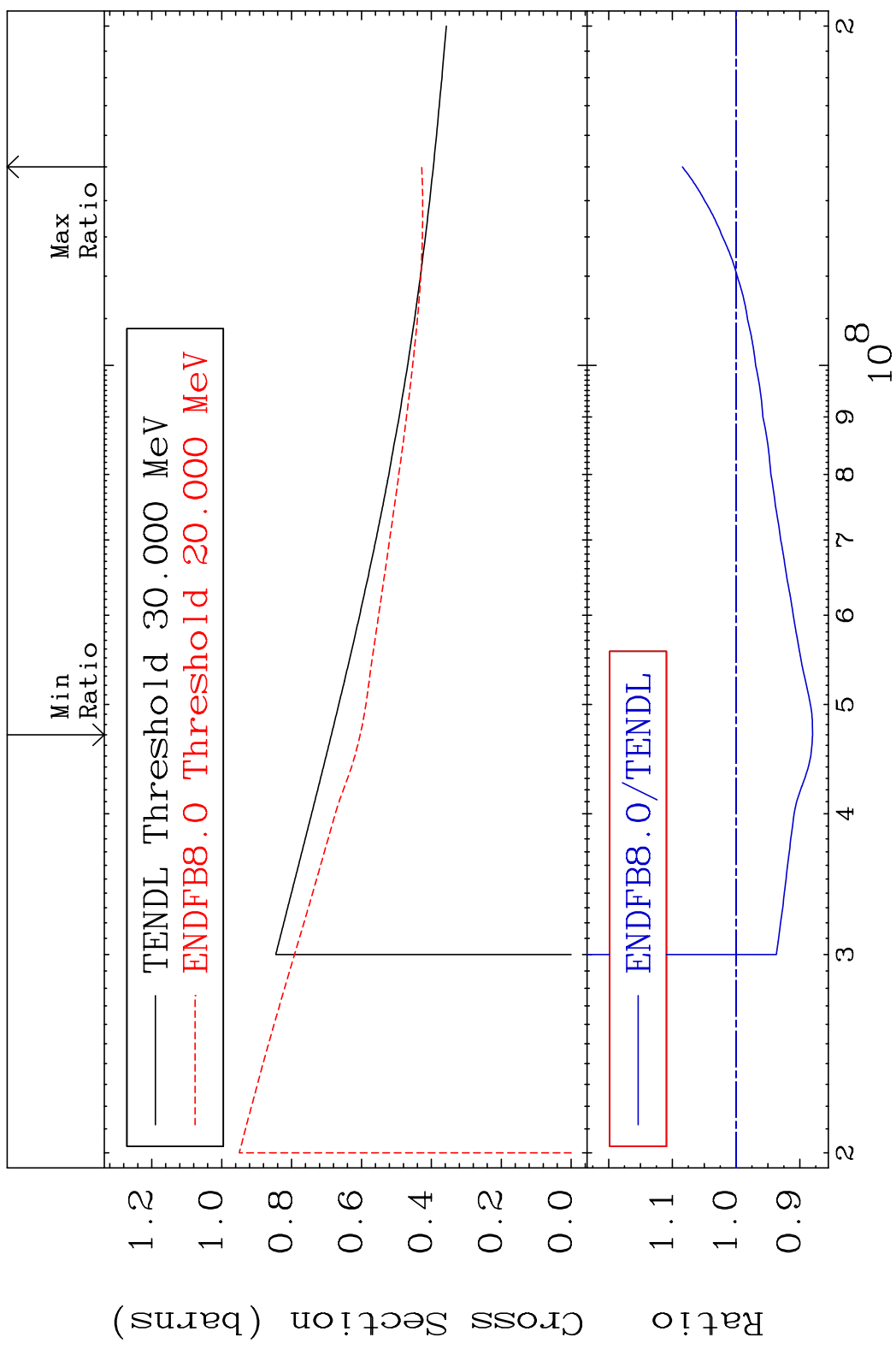
¹⁴Si-29

MAT 1428

(n, remainder)

14-Si-29

Cross Section -12.00 To 8.431 %

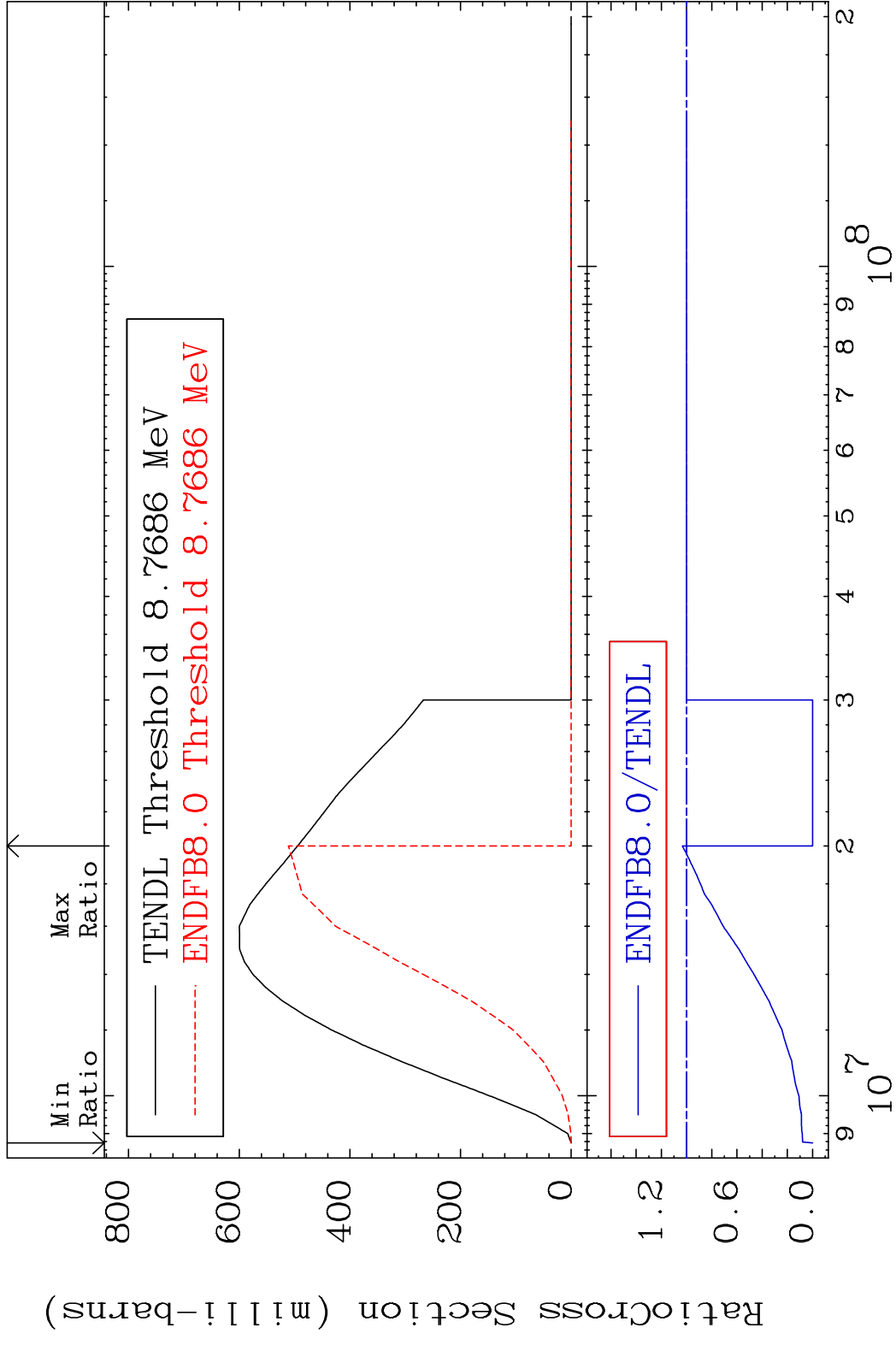


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Incident Energy (eV)

14-Si-29

MAT 1428 (n,2n) 14-Si-29
 Cross Section -100.0 To 3.346 %



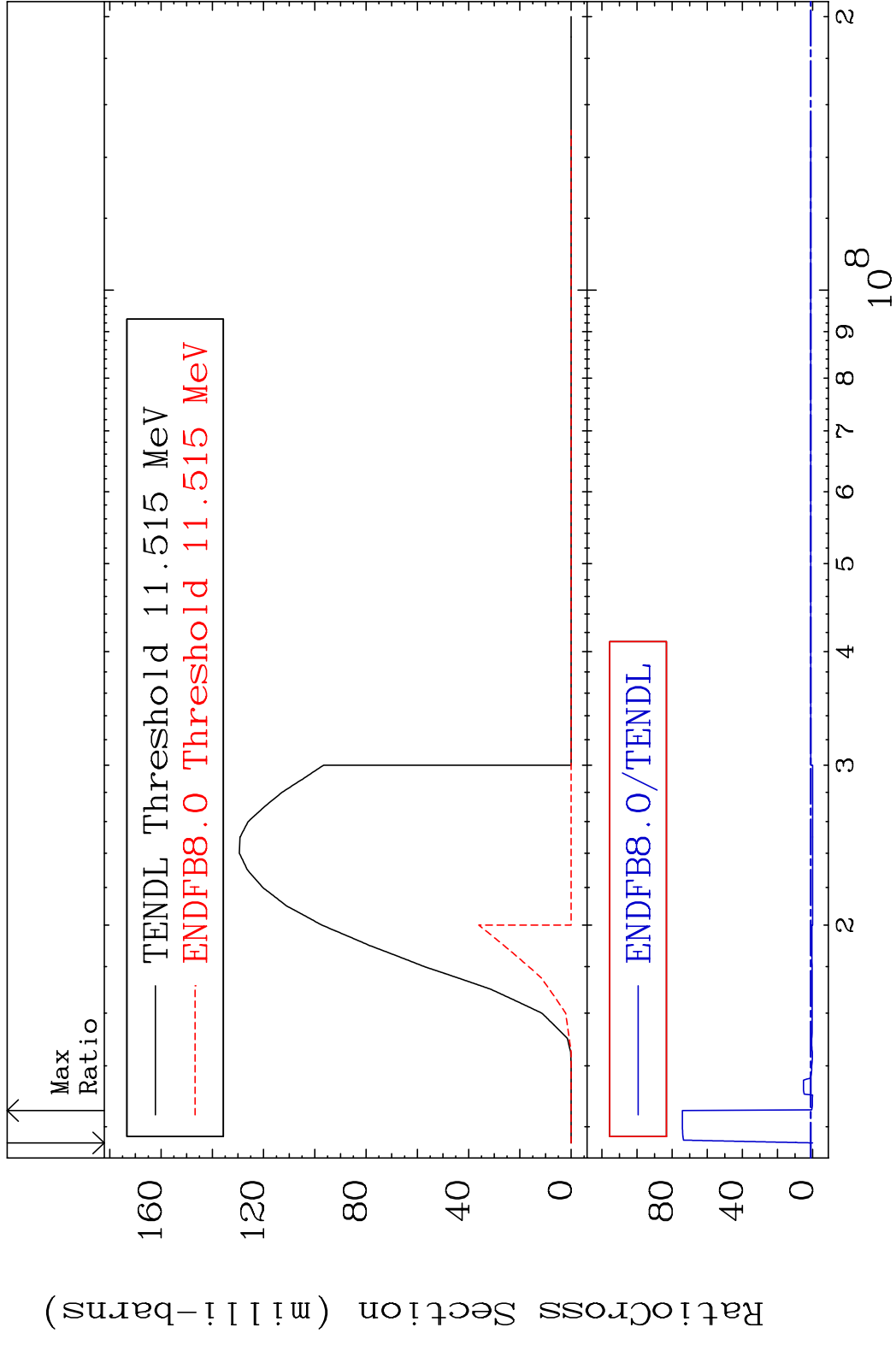
5 14-Si-29

MAT 1428

(n, n') α

14-Si-29

Cross Section -100.0 To 7314. %

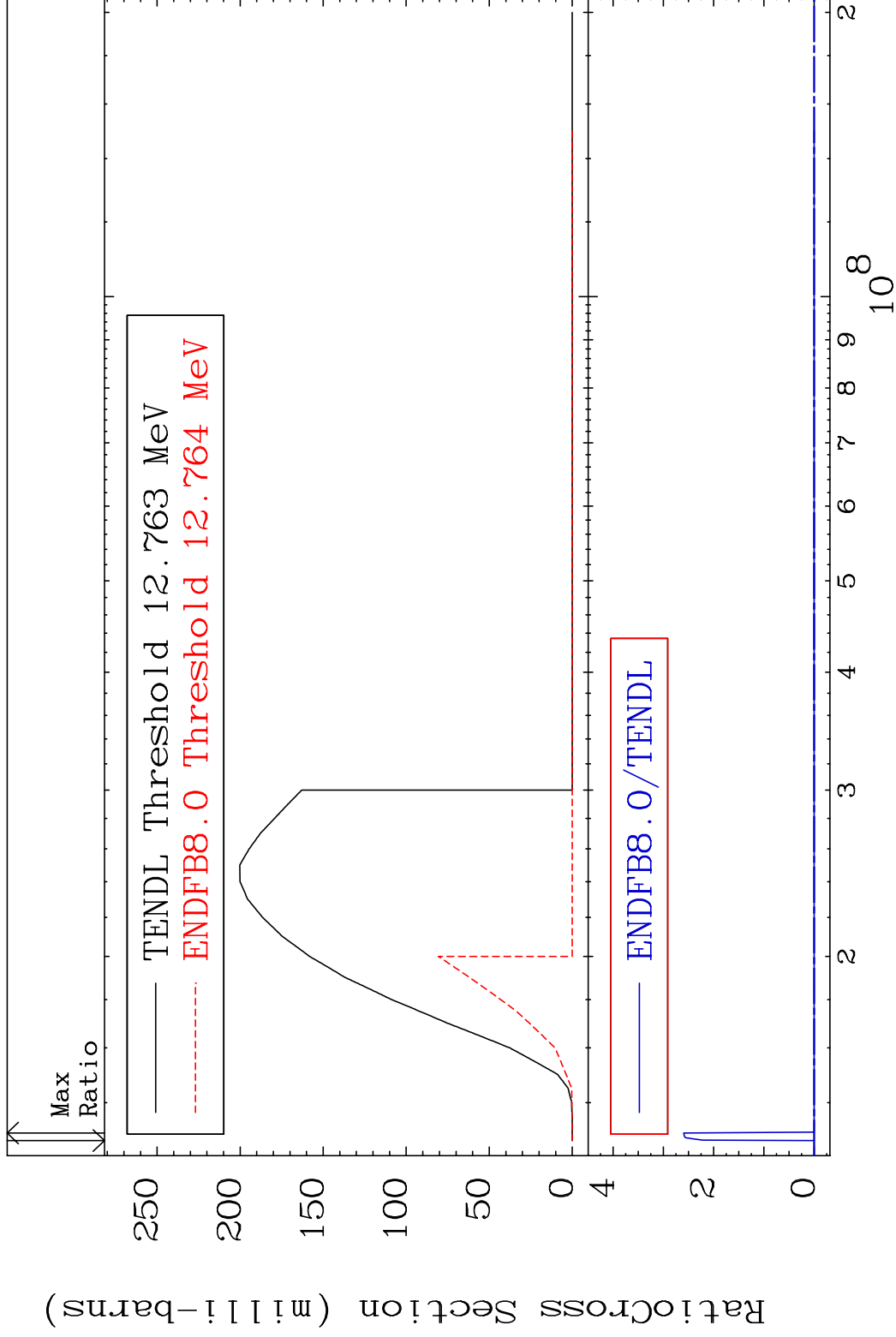


MAT 1428

(n, n') p

14-Si-29

Cross Section -100.0 To 9999. %

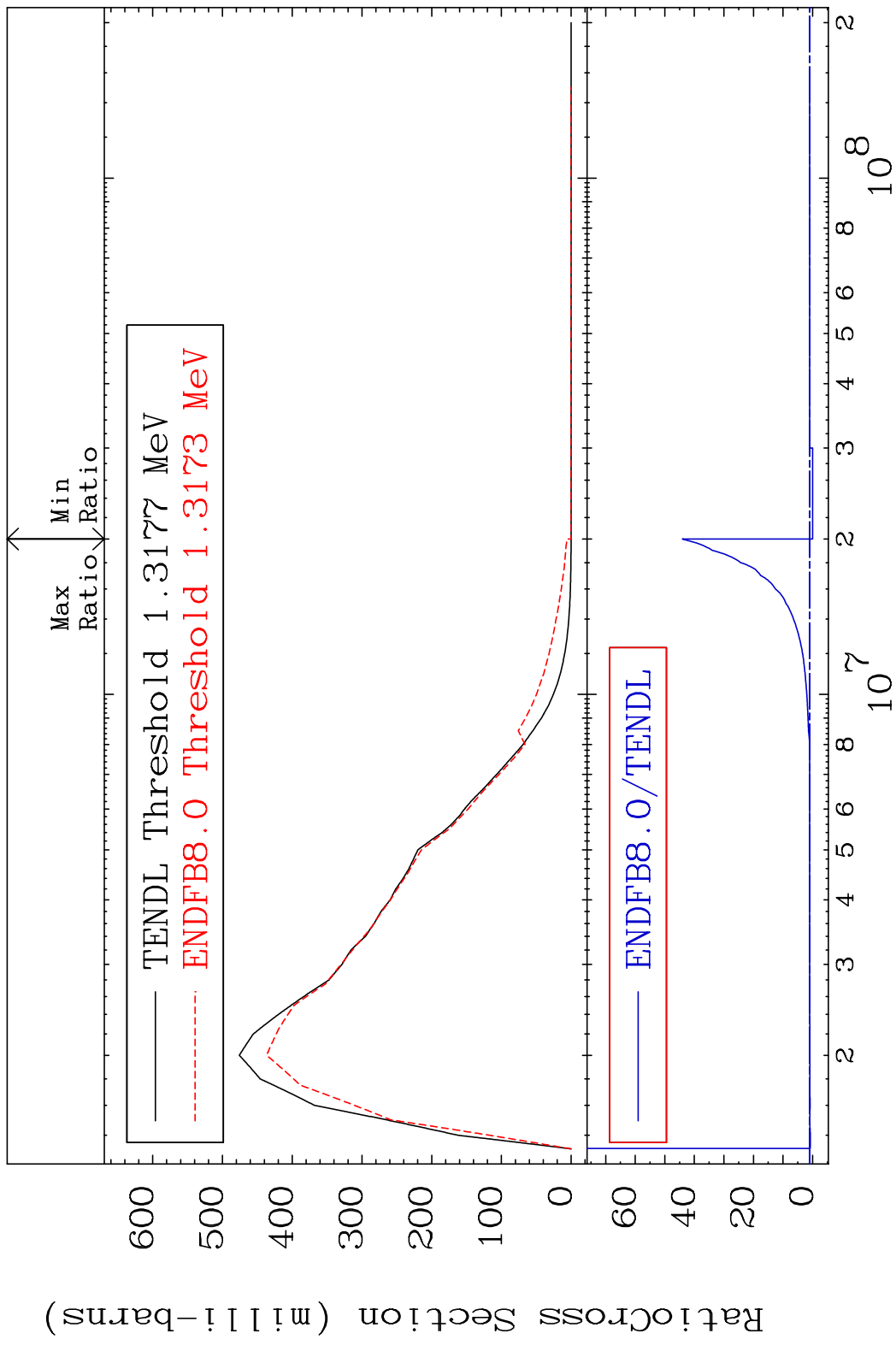


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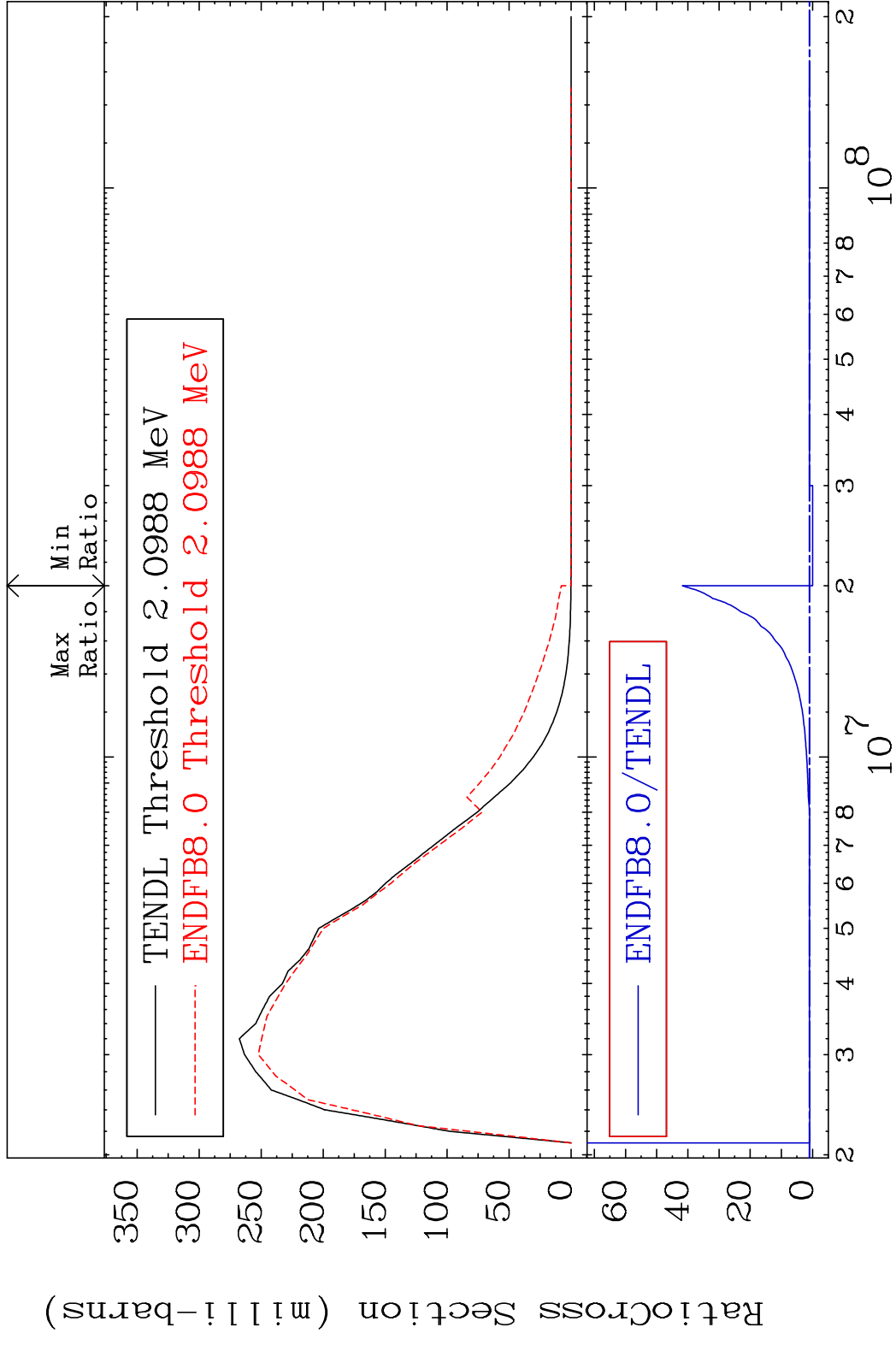
Incident Energy (eV)

14-Si-29

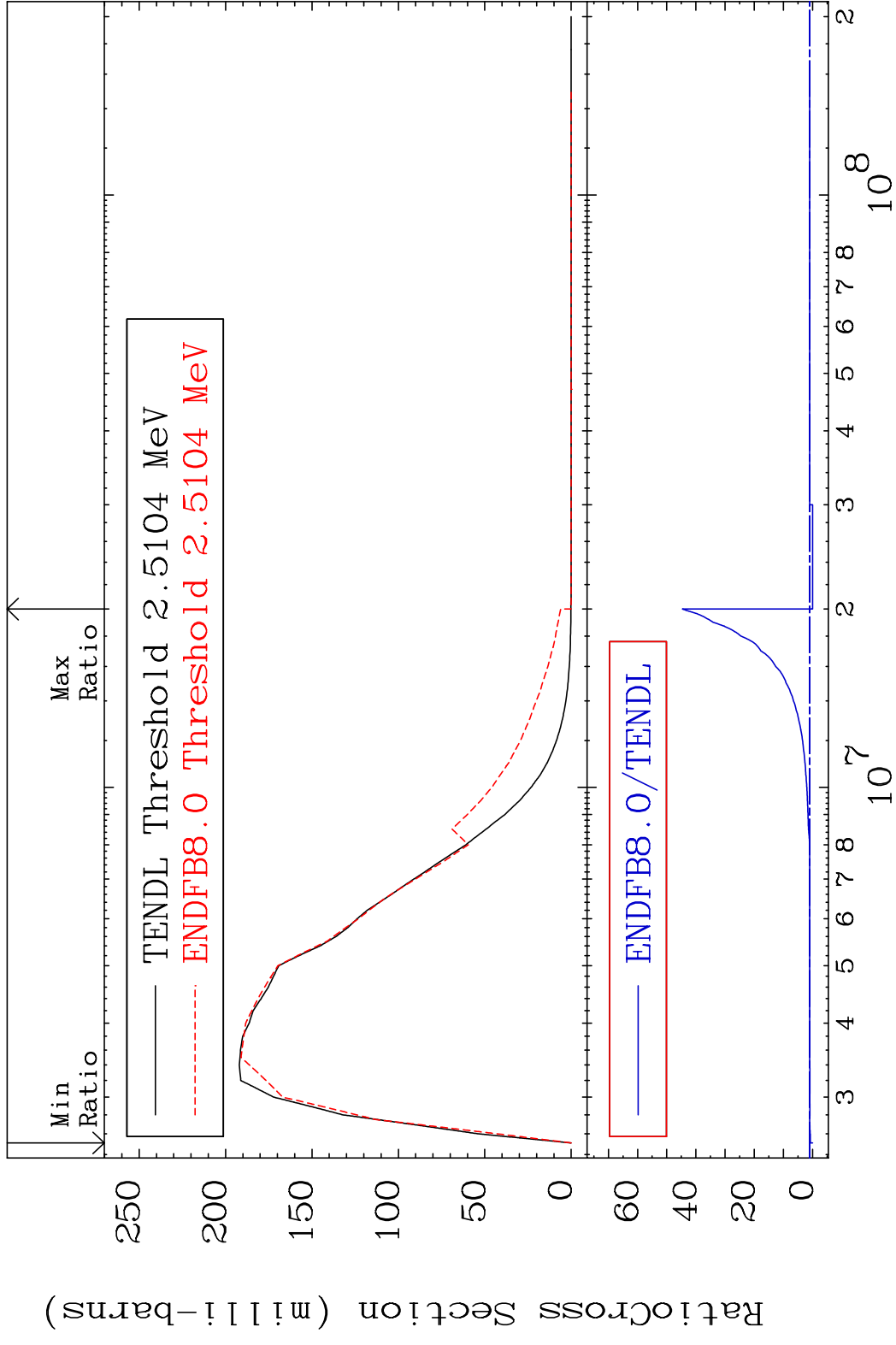
MAT 1428 MT= 51 (n, n') Level 14-Si-29
 Cross Section -100.0 To 4306. %



MAT 1428 MT= 52 (n, n') Level 14-Si-29
 Cross Section -100.0 To 4077. %

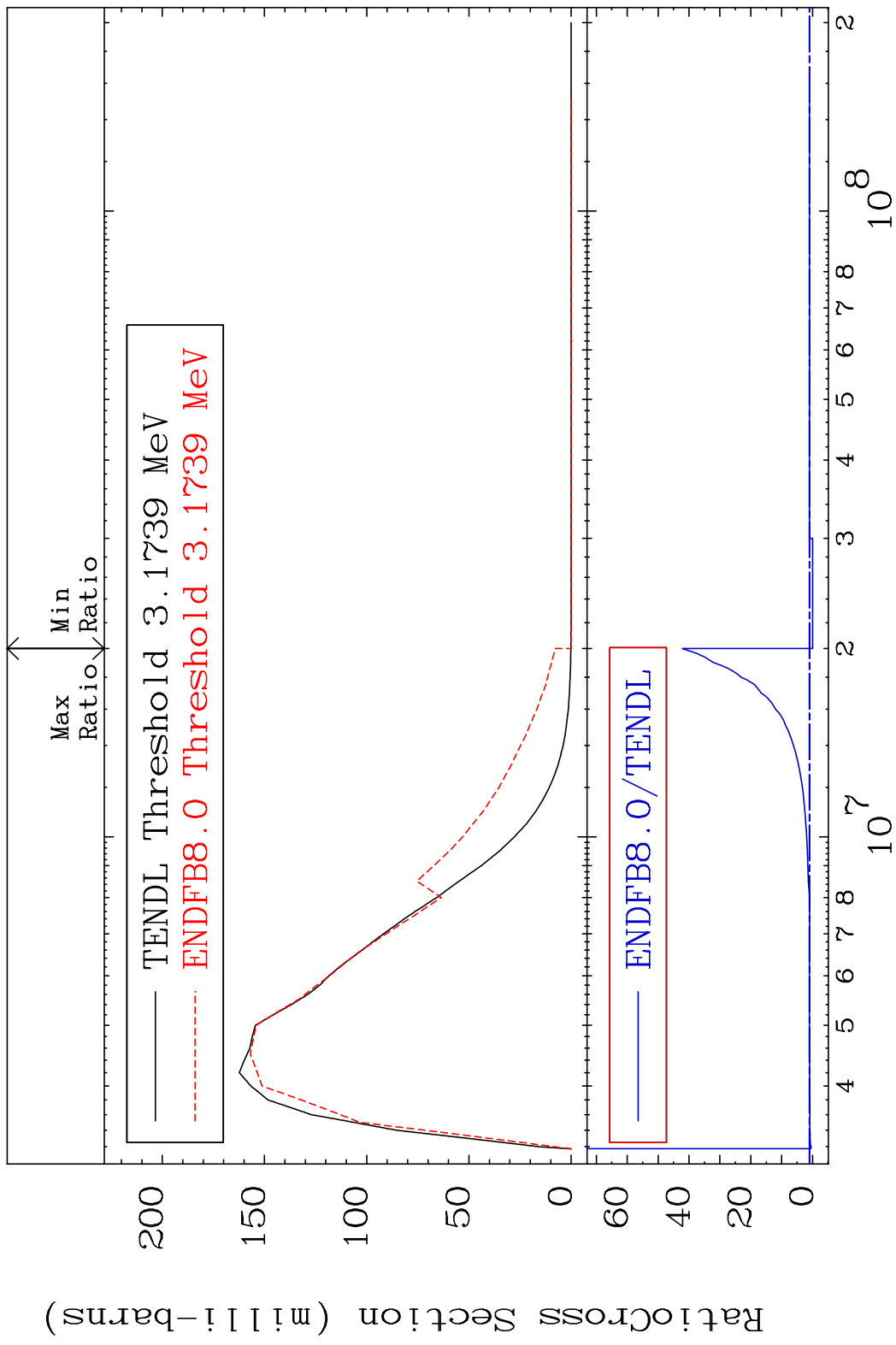


MAT 1428 MT= 53 (n, n') Level 14-Si-29
 Cross Section -100.0 To 4365. %

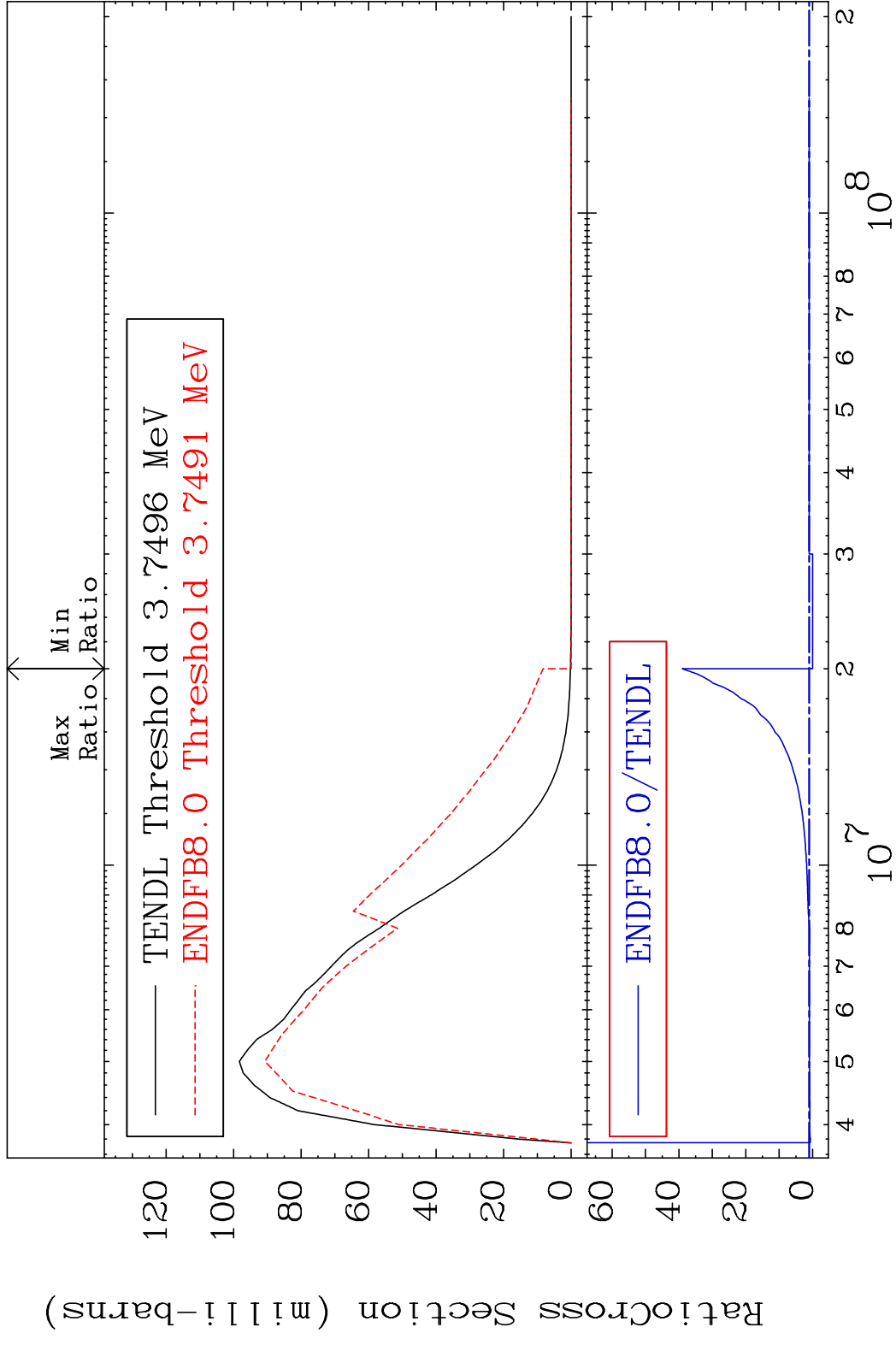


10 14-Si-29

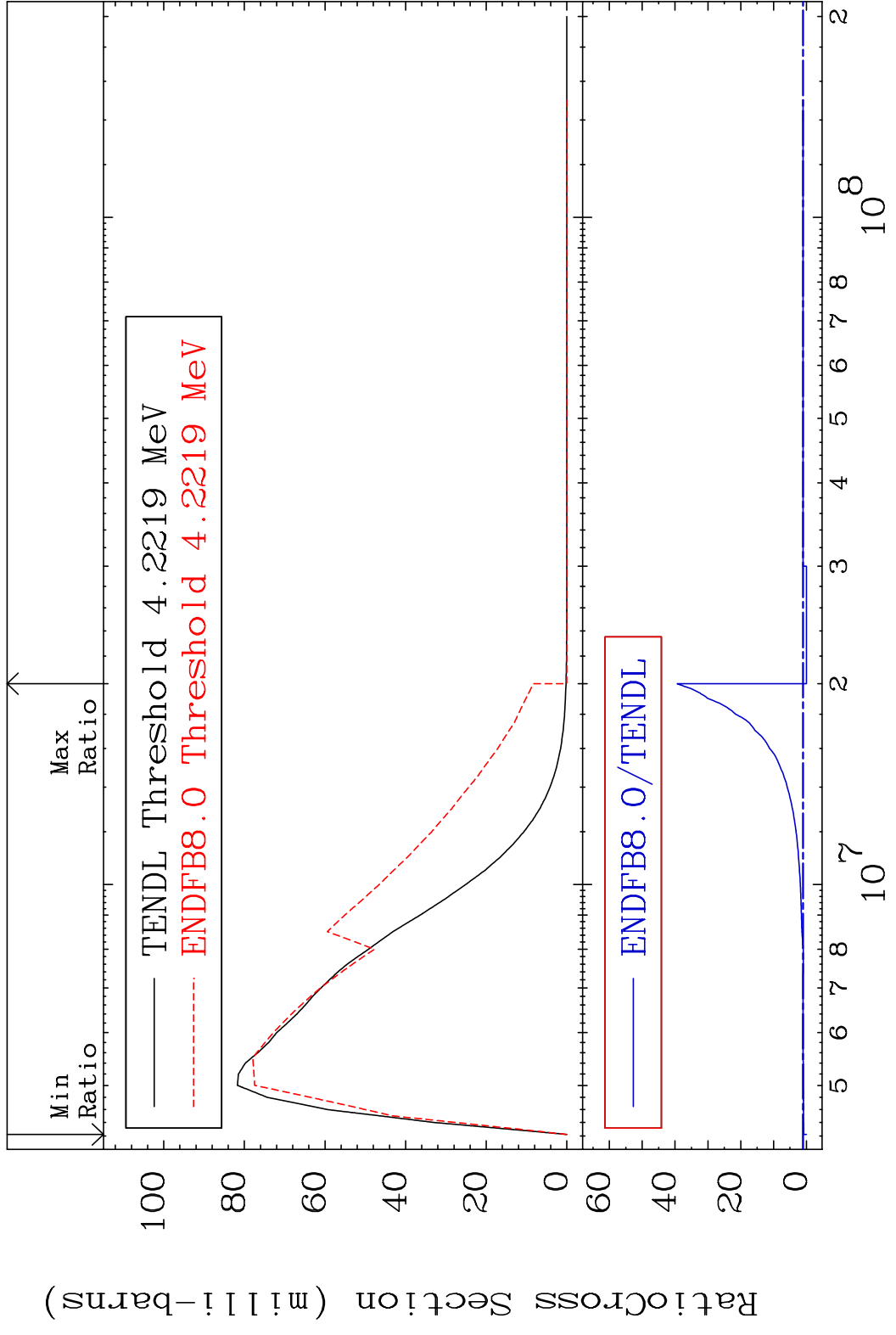
MAT 1428 MT= 54 (n, n') Level 14-Si-29
 Cross Section -100.0 To 4116. %



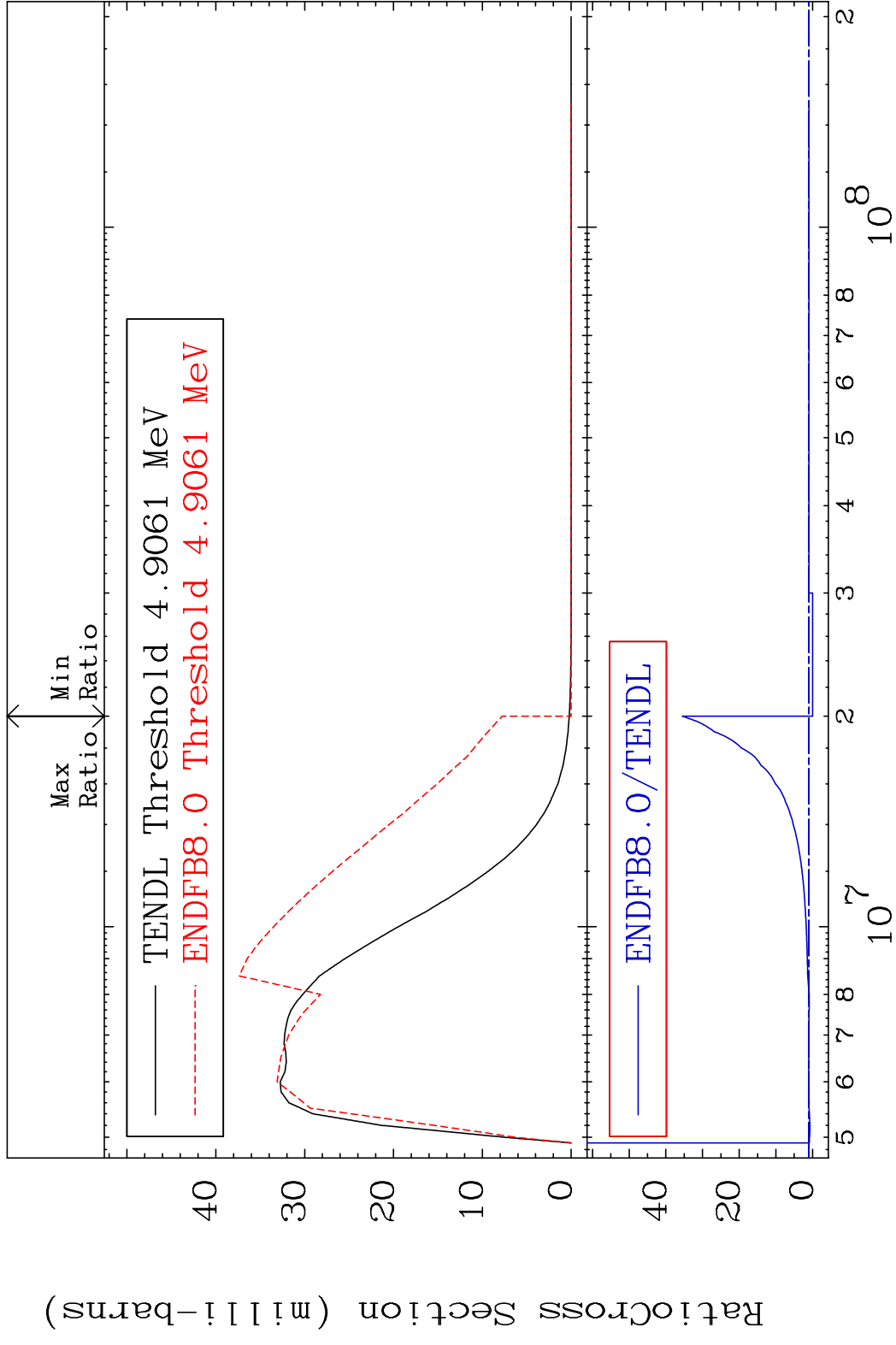
MAT 1428 MT= 55 (n, n') Level 14-Si-29
 Cross Section -100.0 To 3798. %



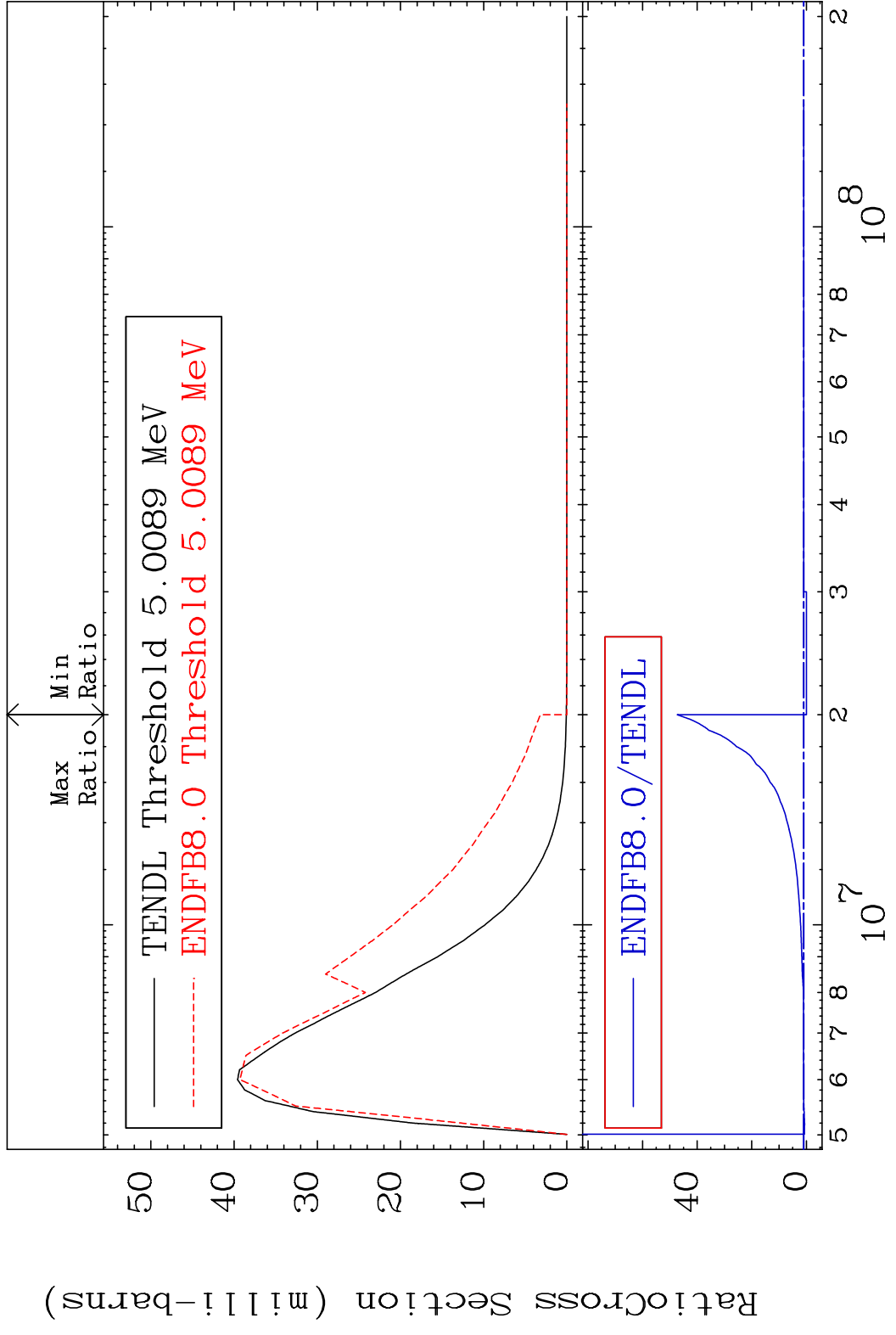
MAT 1428 MT= 56 (n, n') Level 14-Si-29
 Cross Section -100.0 To 3835. %



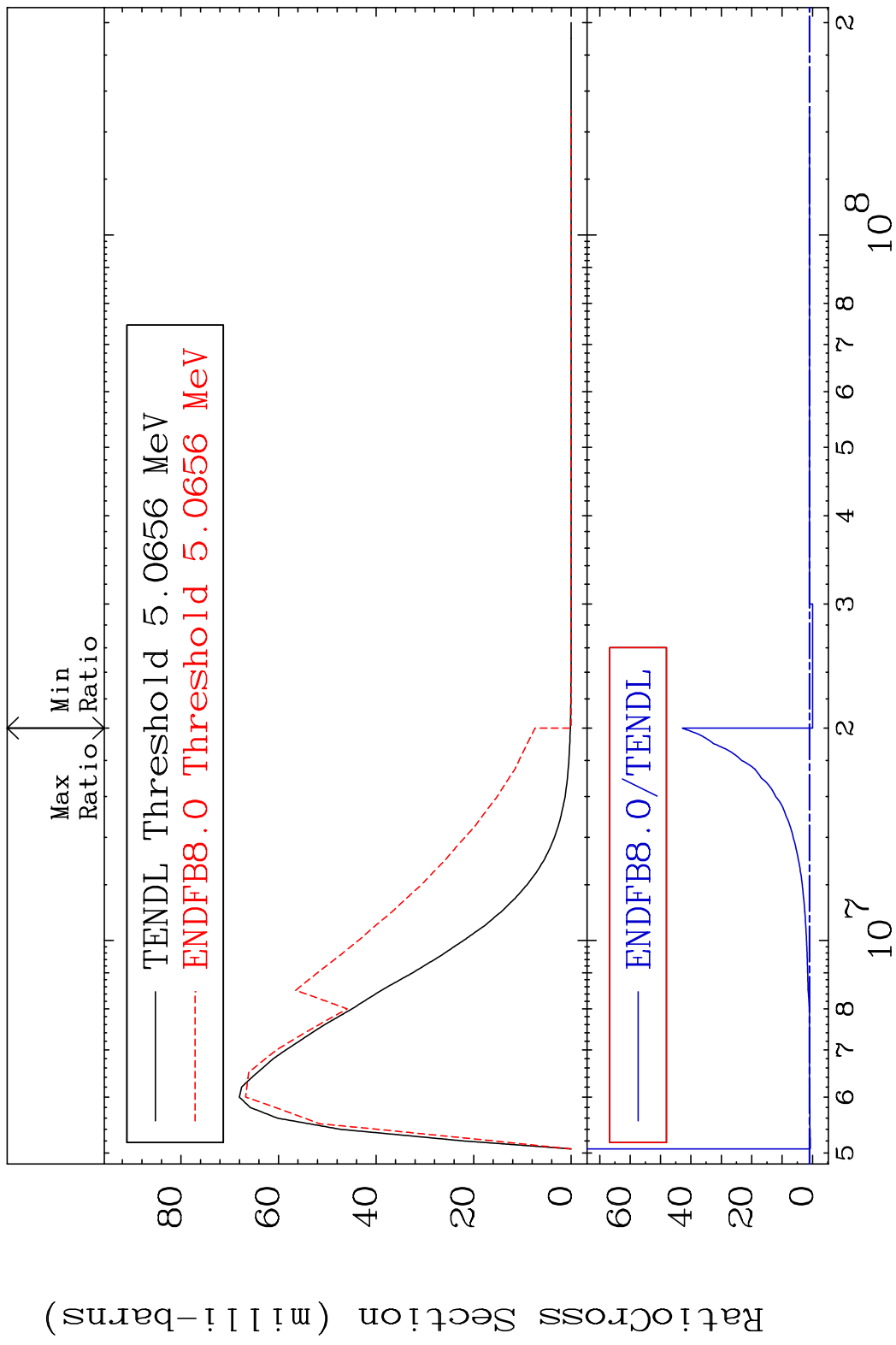
MAT 1428 MT= 57 (n, n') Level 14-Si-29
 Cross Section -100.0 To 3450. %



MAT 1428 MT= 58 (n,n') Level 14-Si-29
 Cross Section -100.0 To 4632. %

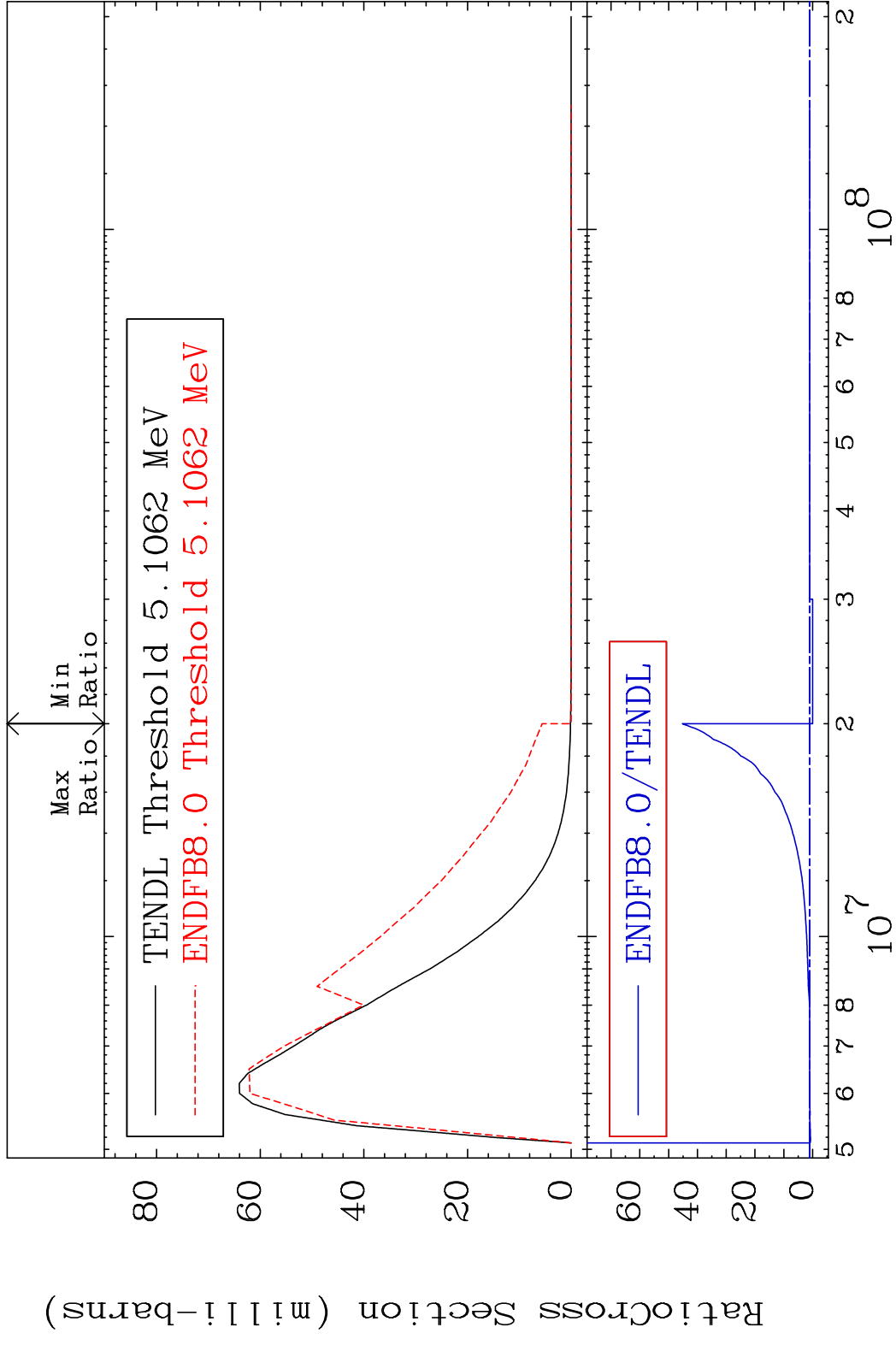


MAT 1428 MT= 59 (n,n') Level 14-Si-29
 Cross Section -100.0 To 4182. %

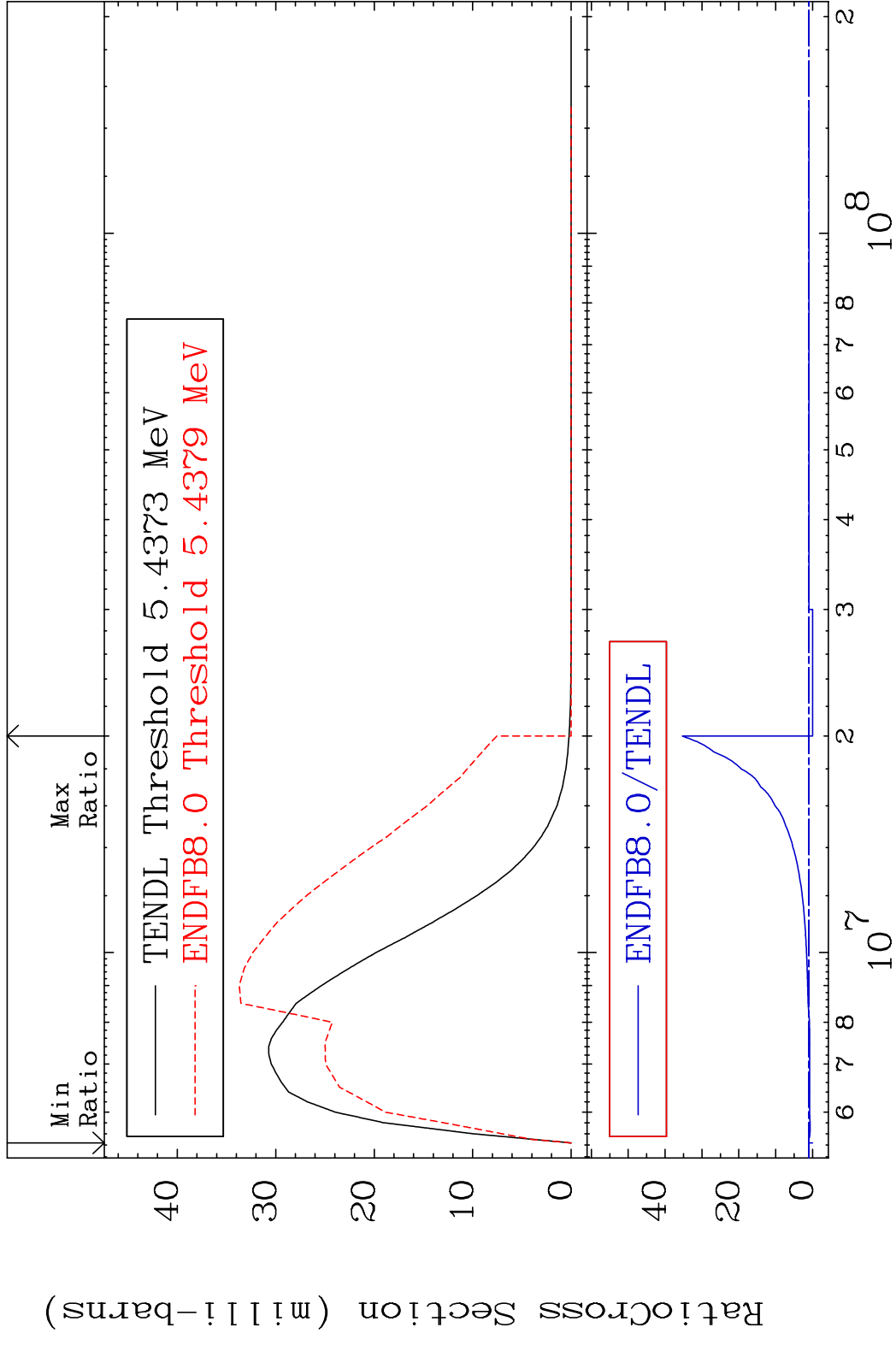


16 Incident Energy (eV) 14-Si-29

MAT 1428 MT= 60 (n, n') Level 14-Si-29
 Cross Section -100.0 To 4423. %

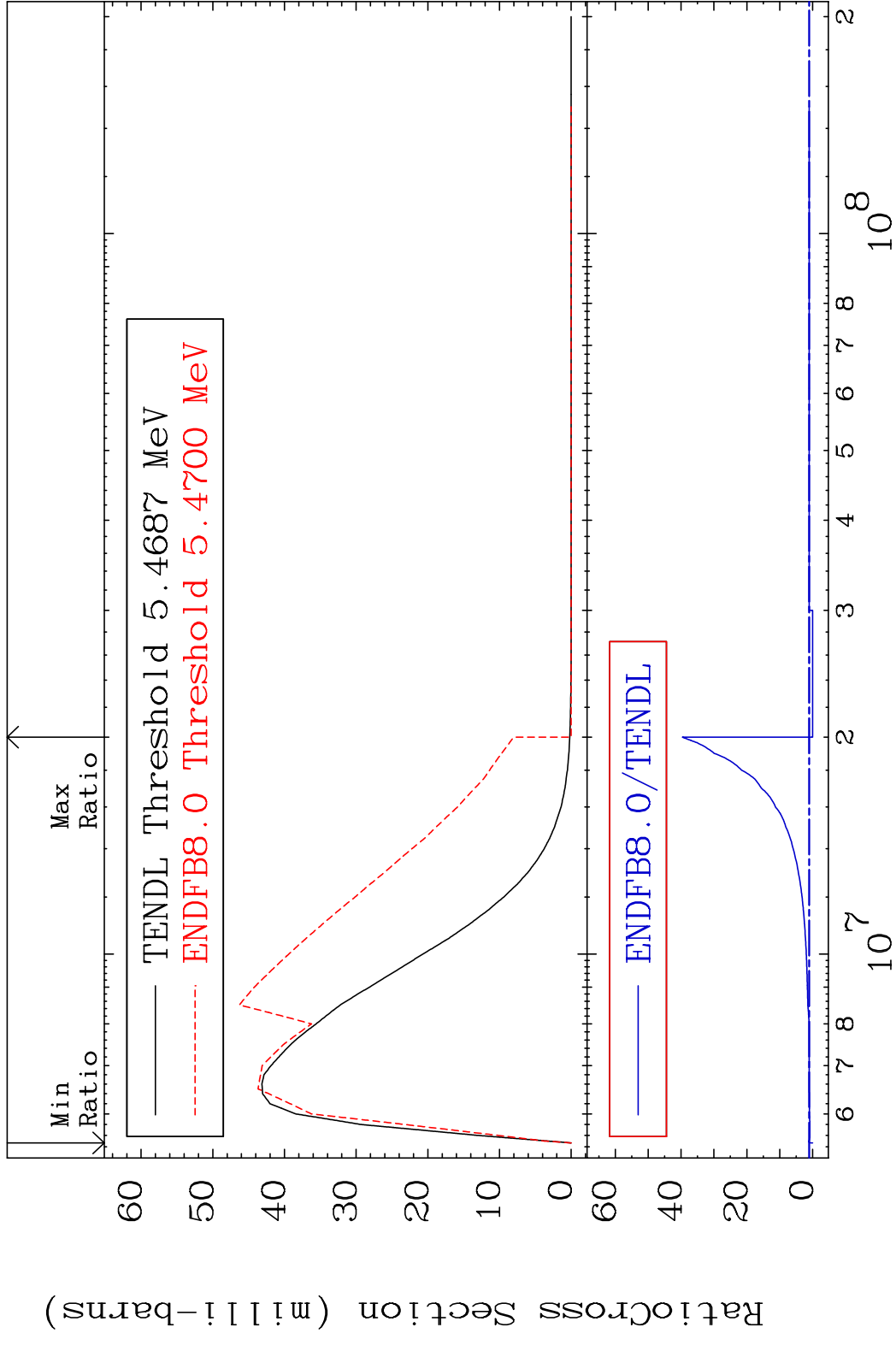


MAT 1428 MT= 61 (n,n') Level 14-Si-29
 Cross Section -100.0 To 3432. %

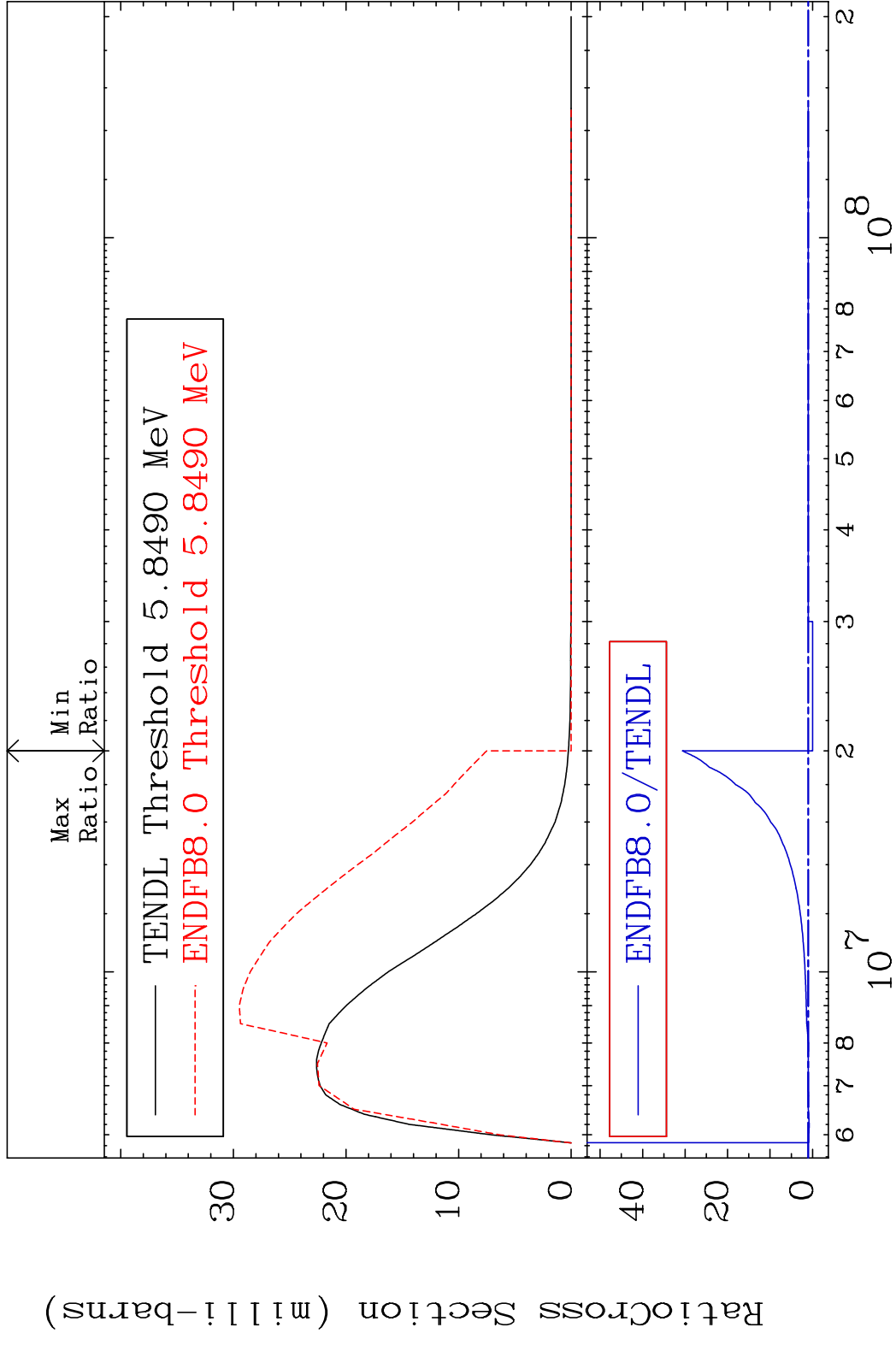


18 14-Si-29

MAT 1428 MT= 62 (n,n') Level 14-Si-29
 Cross Section -100.0 To 3861. %

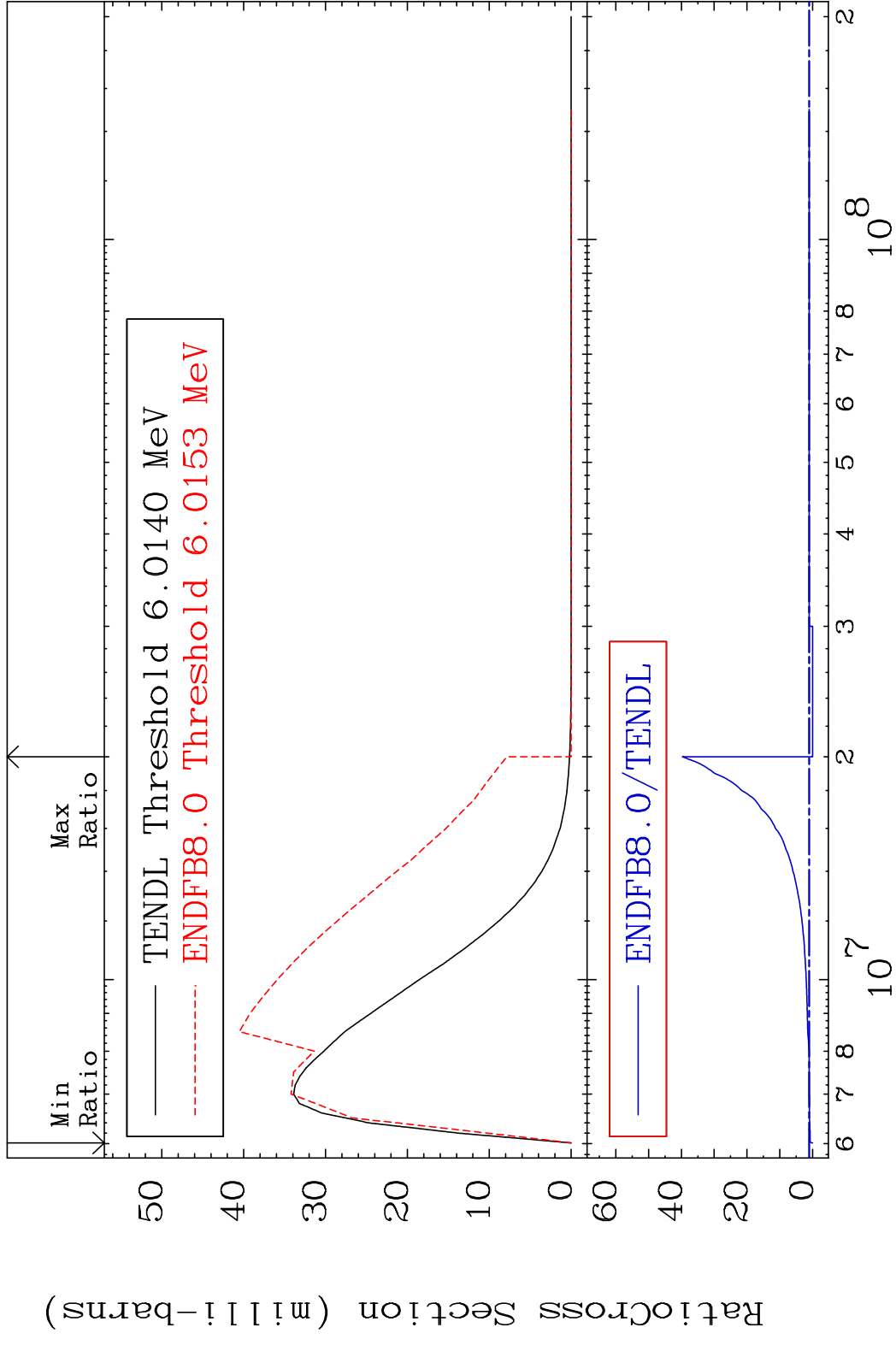


MAT 1428 MT= 63 (n,n') Level 14-Si-29
 Cross Section -100.0 To 2965. %



20

MAT 1428 MT= 64 (n,n') Level 14-Si-29
 Cross Section -100.0 To 3871. %

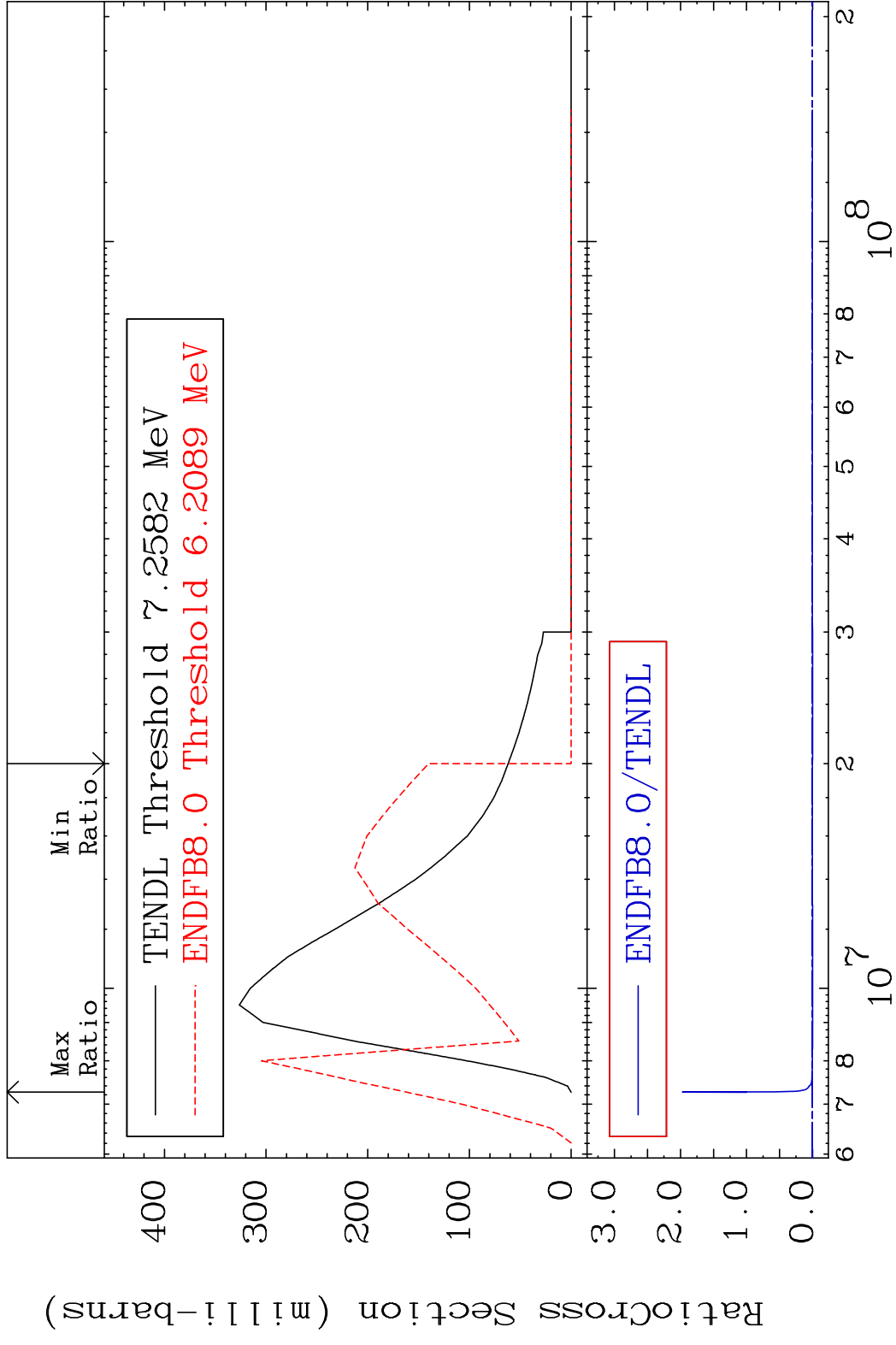


MAT 1428

(n,n') Continuum

14-Si-29

Cross Section -100.0 To 9999. %

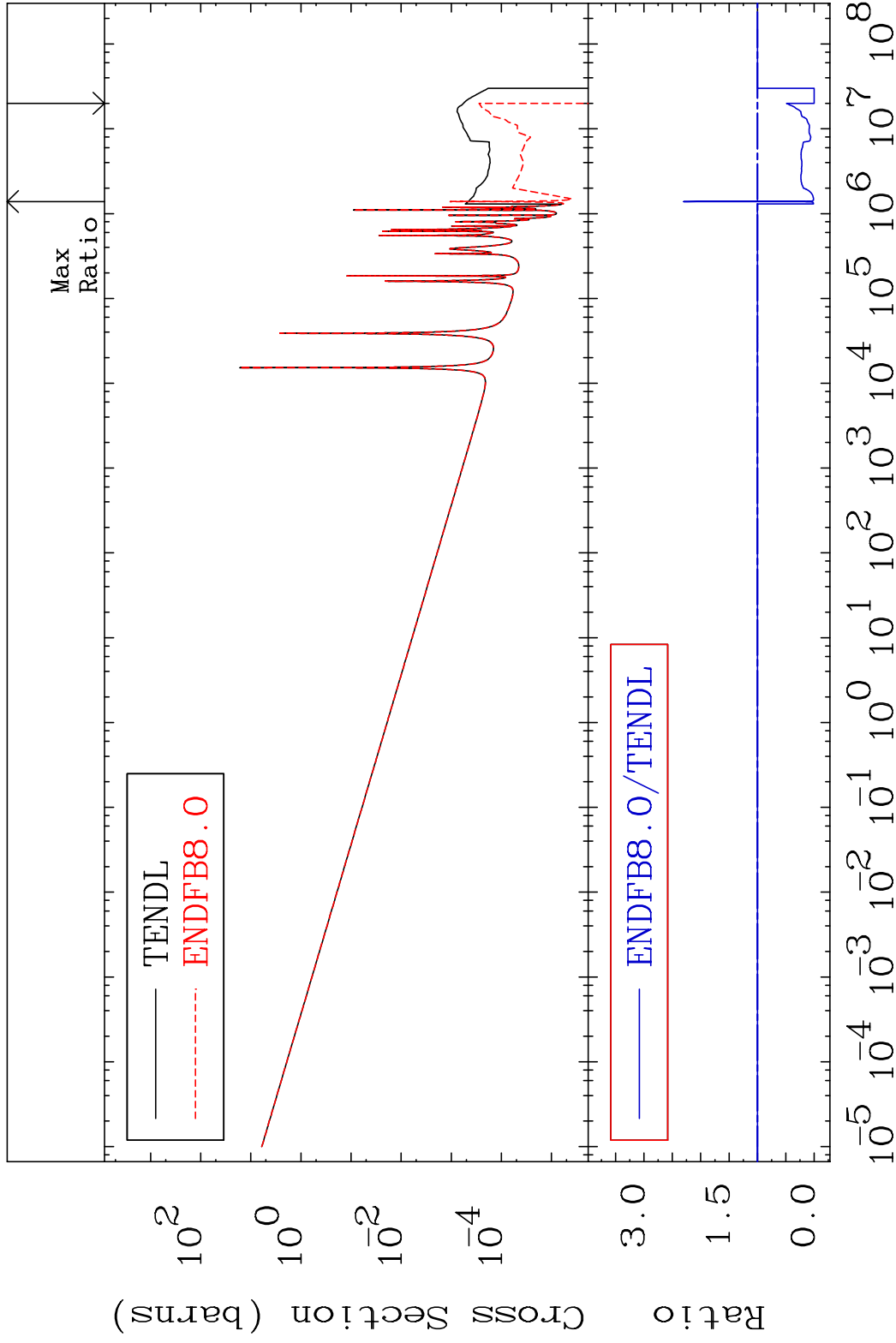


MAT 1428

(n, γ)

14-Si-29

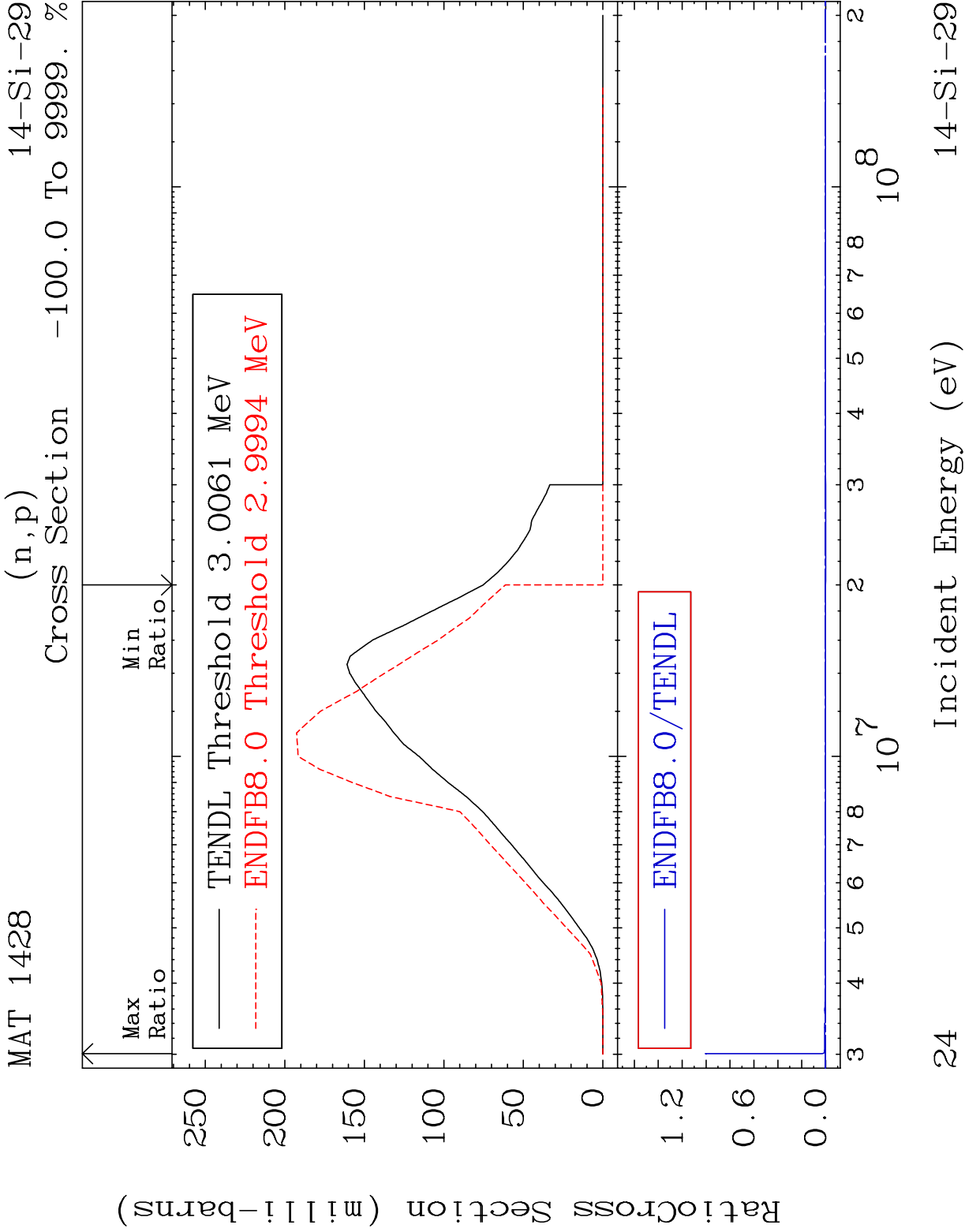
Cross Section -100.0 To 130.1 %



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Incident Energy (eV)

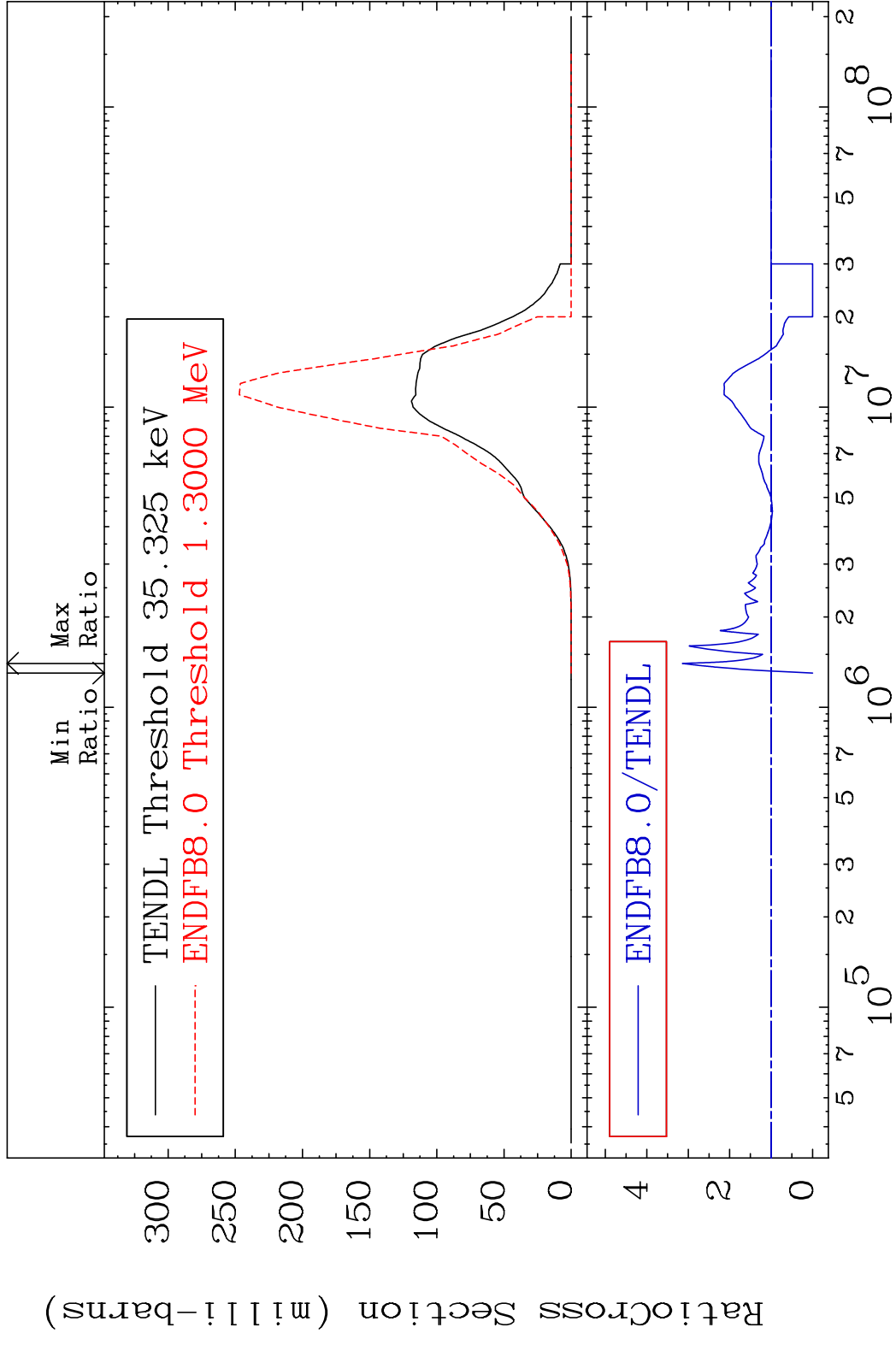
14-Si-29



MAT 1428

(n, α)
Cross Section -100.0 To 214.2 %

14-Si-29

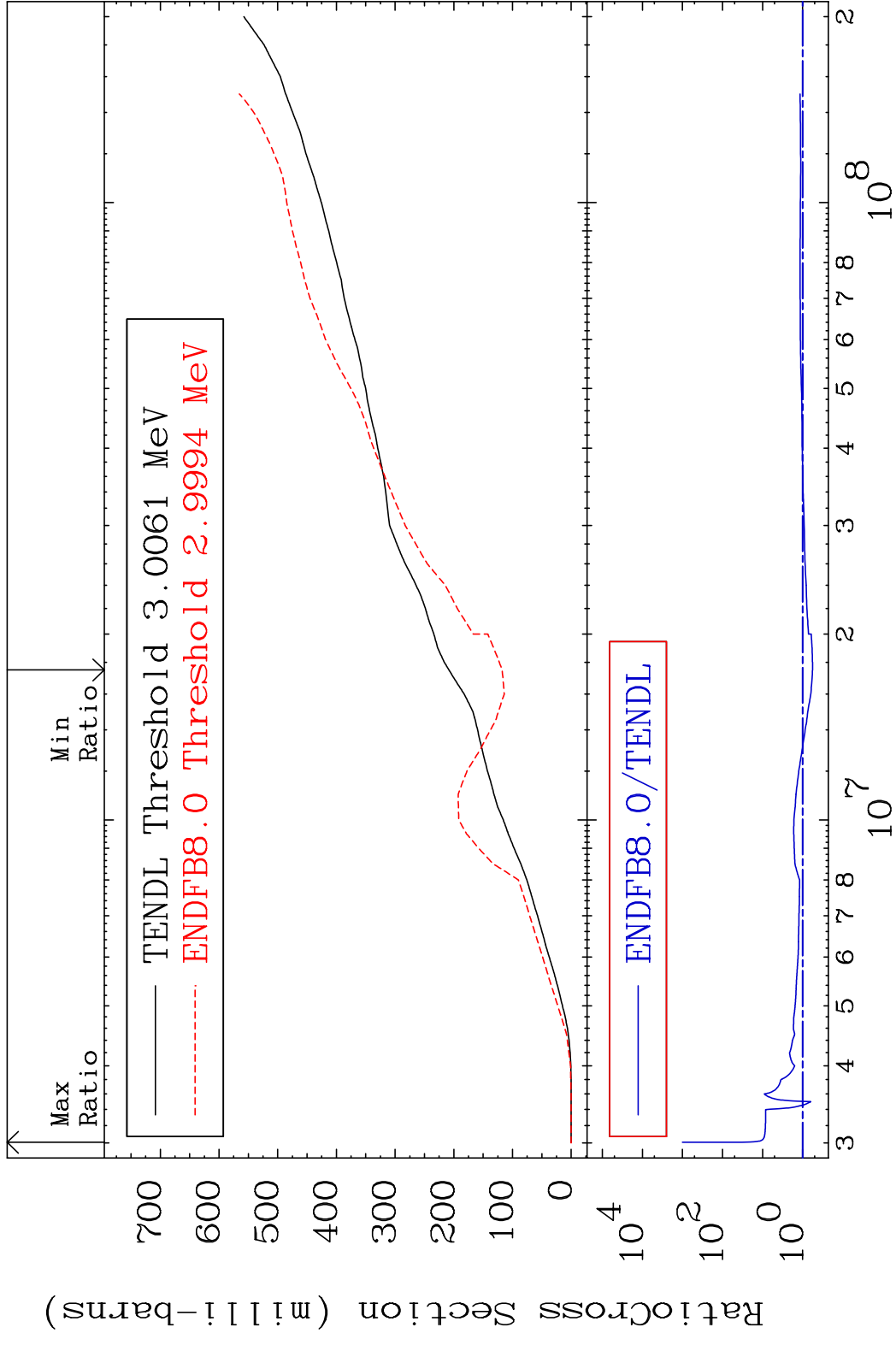


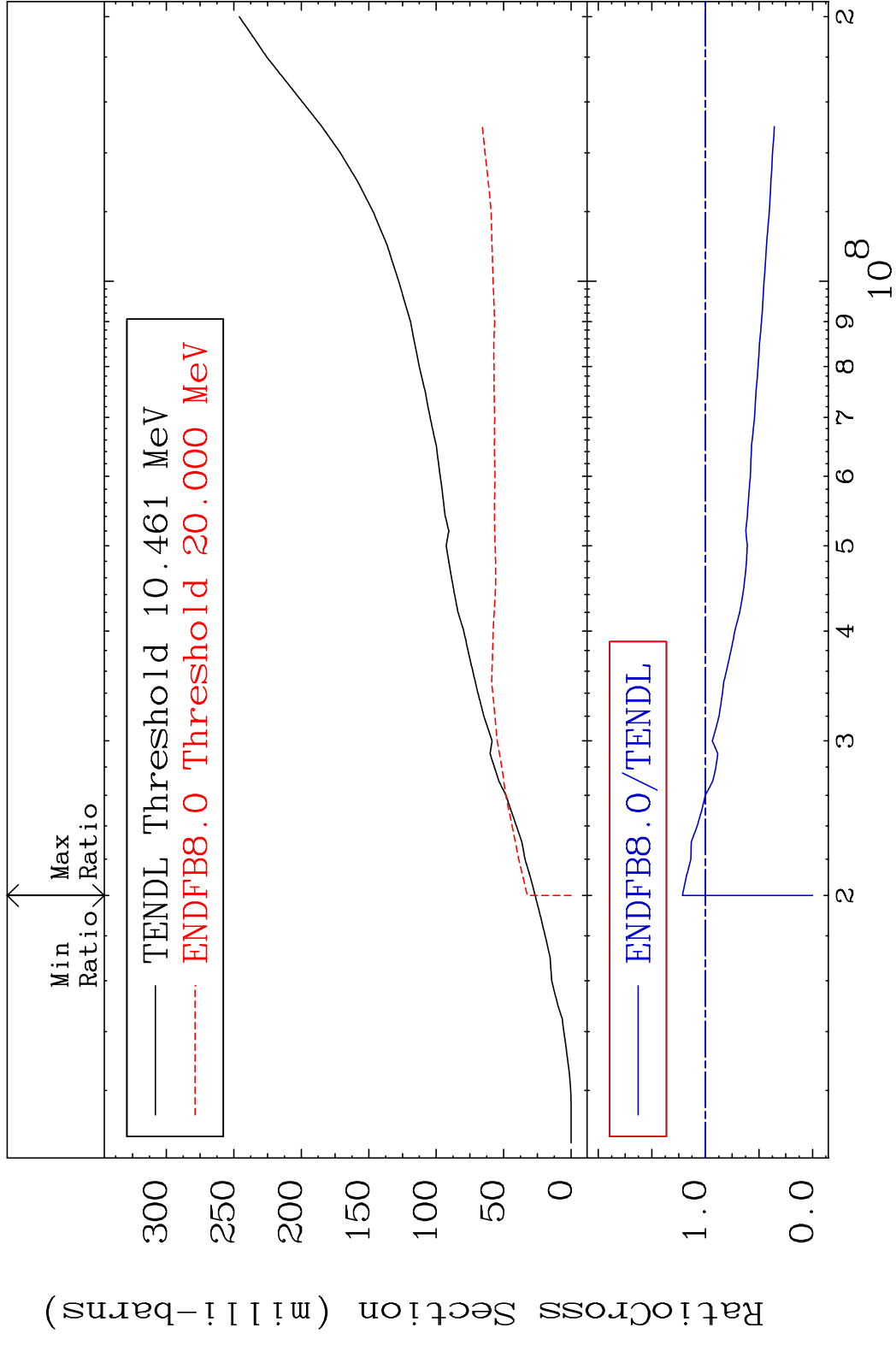
MAT 1428

Hydrogen Production

¹⁴Si-29

Cross Section -43.54 To 9999. %

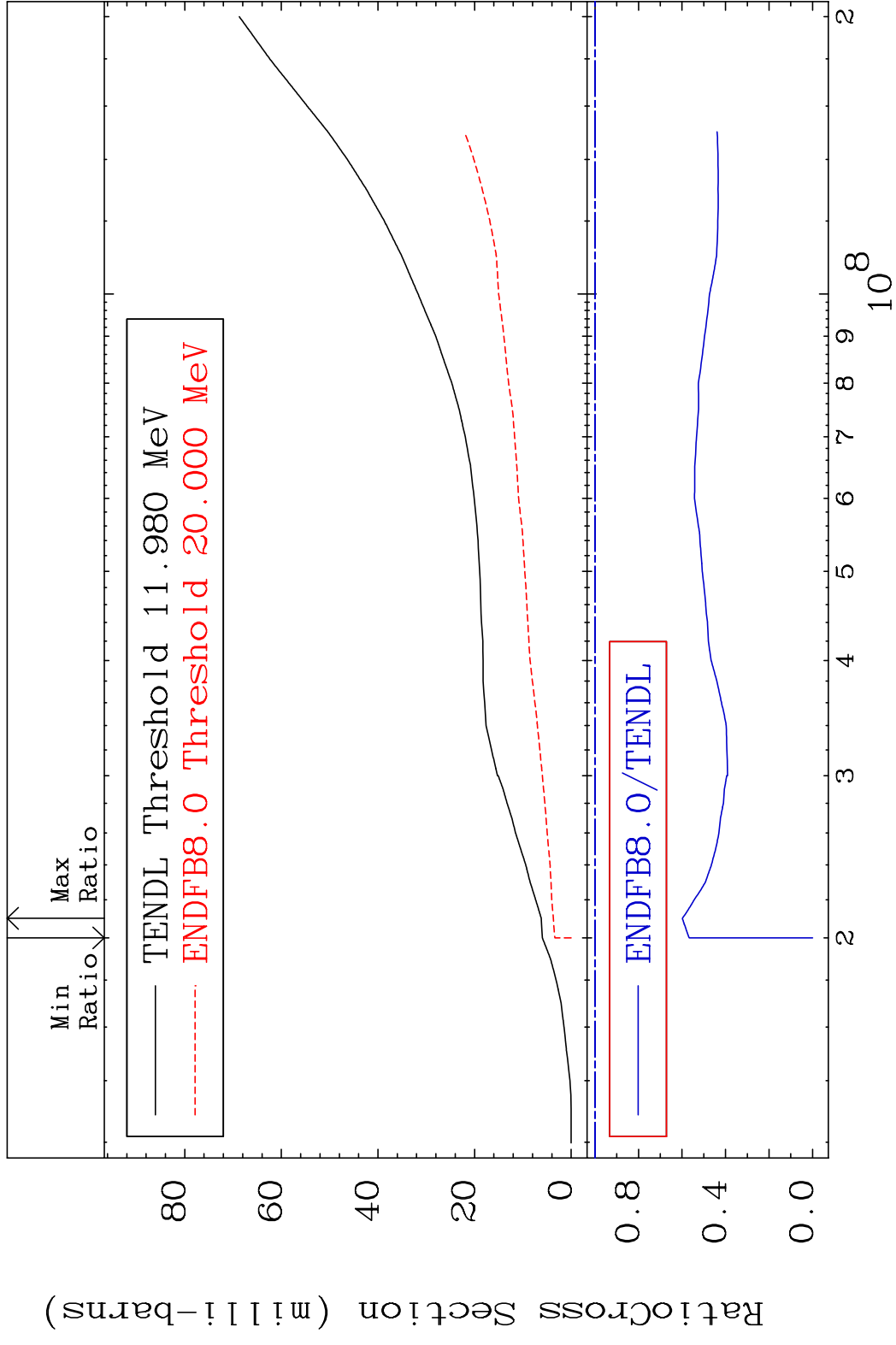




MAT 1428

Tritium Production
Cross Section -100.0 To -40.16%

14-Si-29



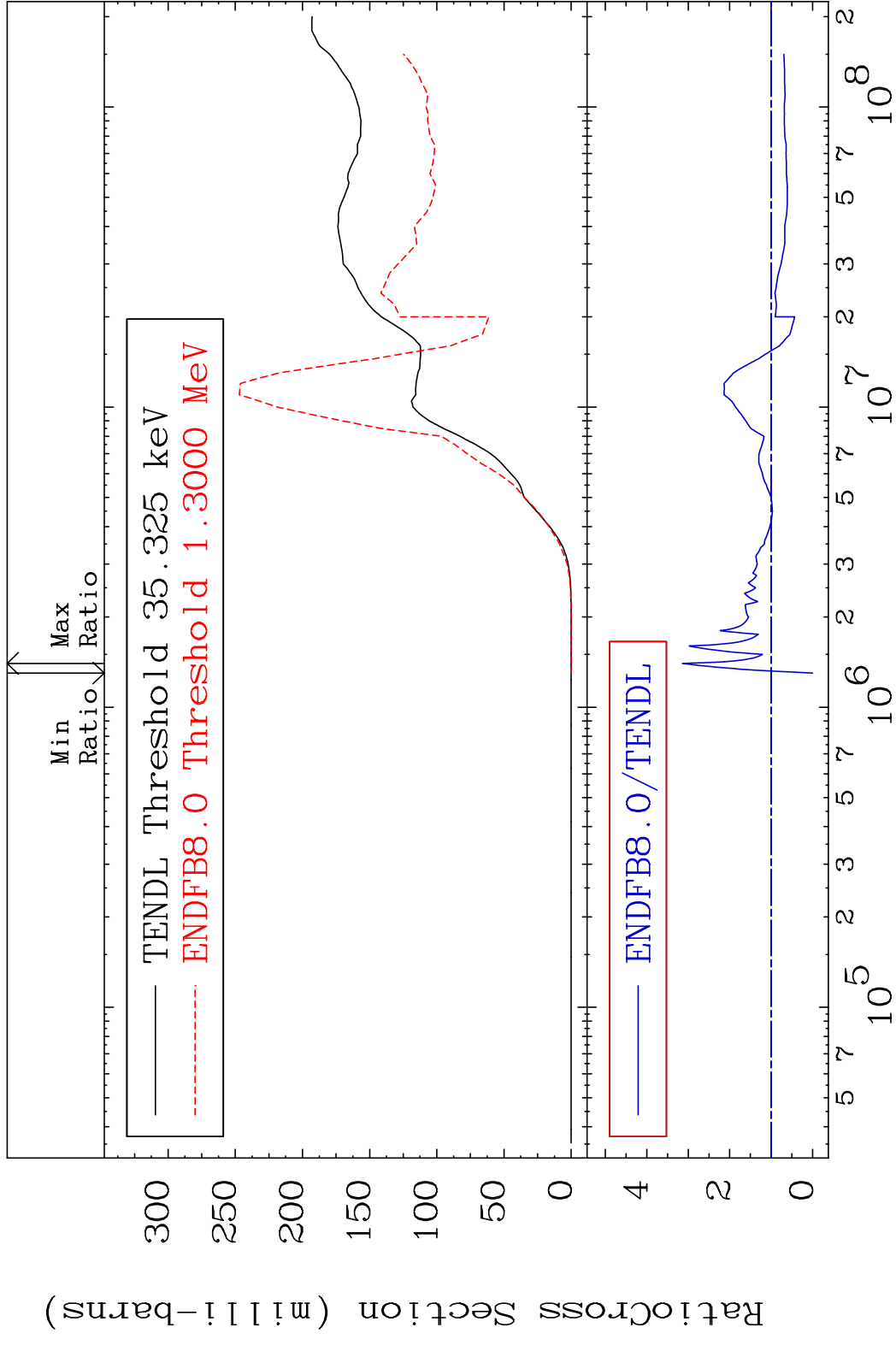
28

MAT 1428

He-4 Production

¹⁴Si-29

Cross Section -100.0 To 214.2 %

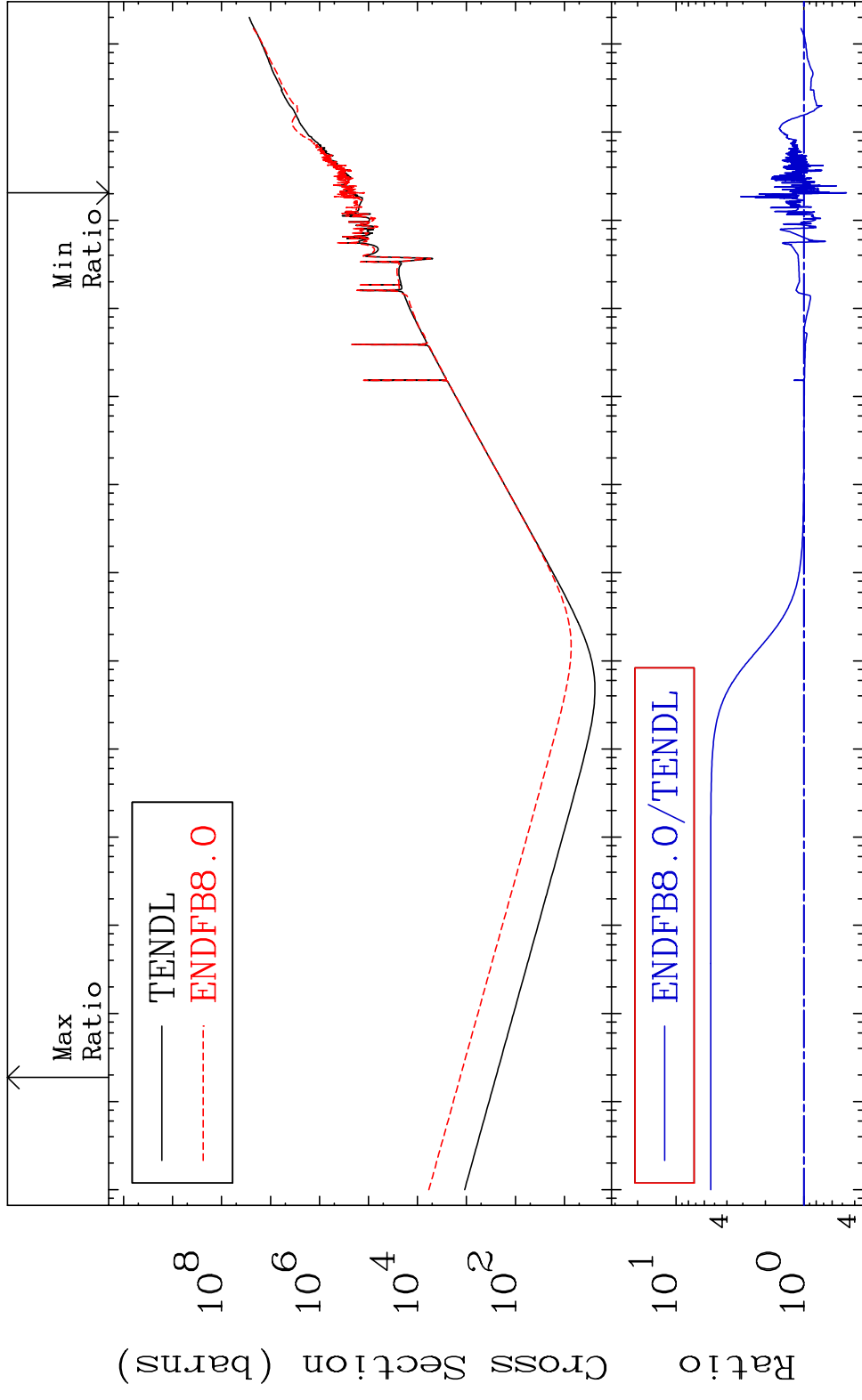


29

Incident Energy (eV)

¹⁴Si-29

MAT 1428 Kerma total (eV-barns) 14-Si-29
Cross Section -53.53 To 435.5 %

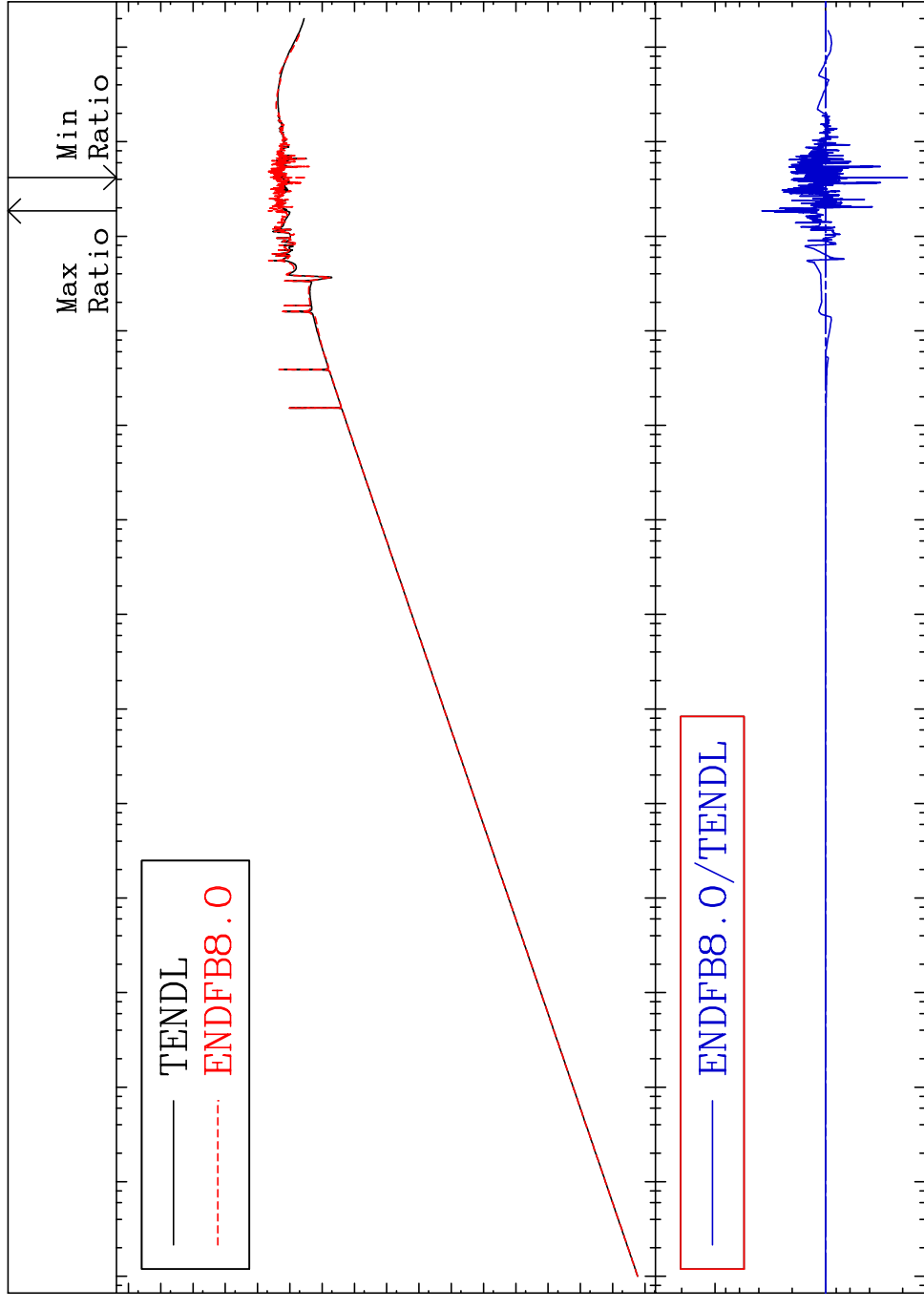


30 Incident Energy (eV) 14-Si-29

MAT 1428

Kerma elastic
Cross Section -81.78 To 276.6 %

14-Si-29



Ratio
Cross Section (barns)

10⁸
10⁶
10⁴
10²
10⁰
10⁻²
10⁻⁴
10⁻⁶
10⁻⁸

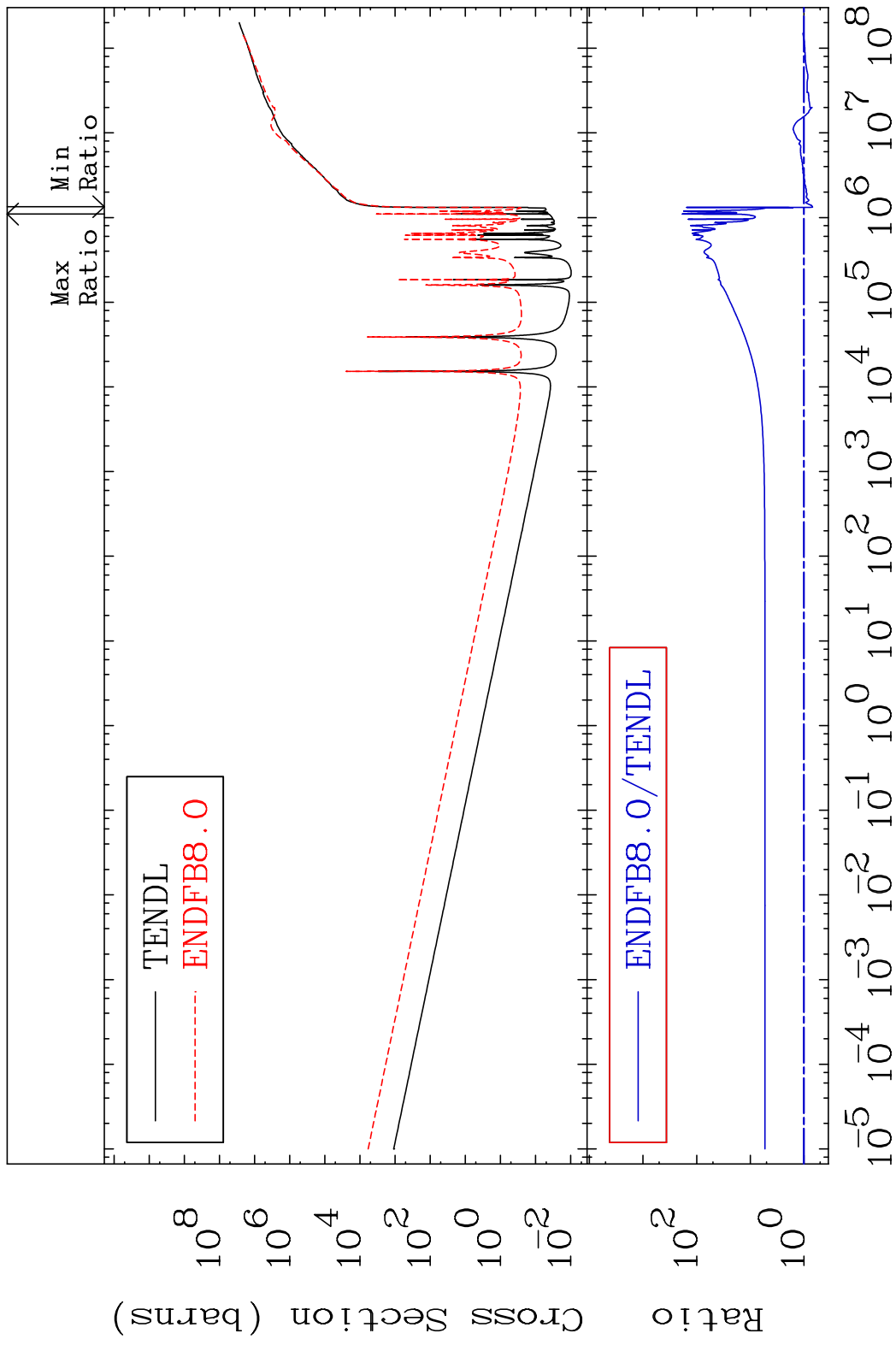
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

31

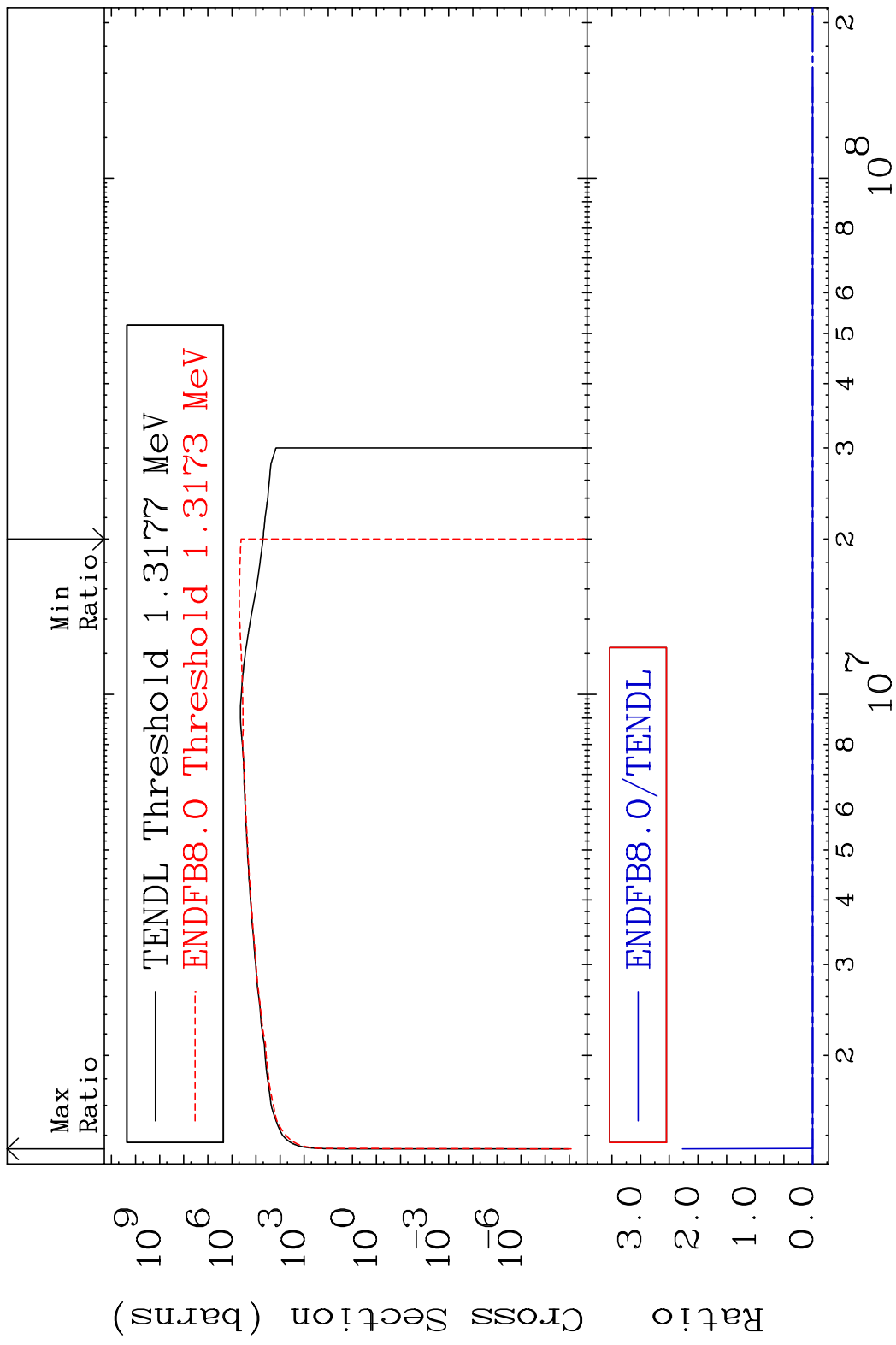
Incident Energy (eV)

14-Si-29

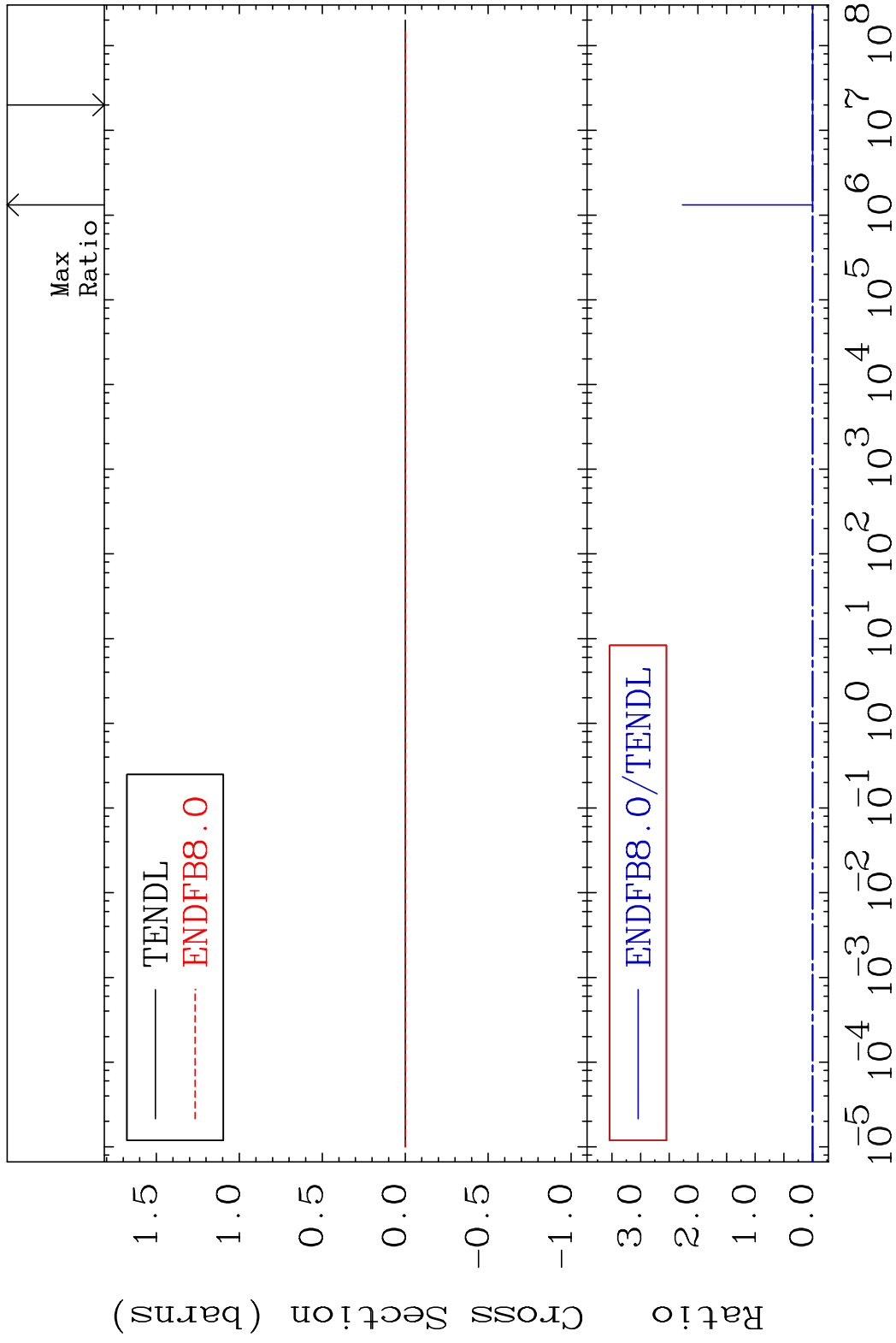
MAT 1428 Kerma non-elastic (all but mt2) 14-Si-29
 Cross Section -30.71 To 9999. %



MAT 1428 Kerma inelastic (mt51-91) 14-Si-29
 Cross Section -100.0 To 9999. %

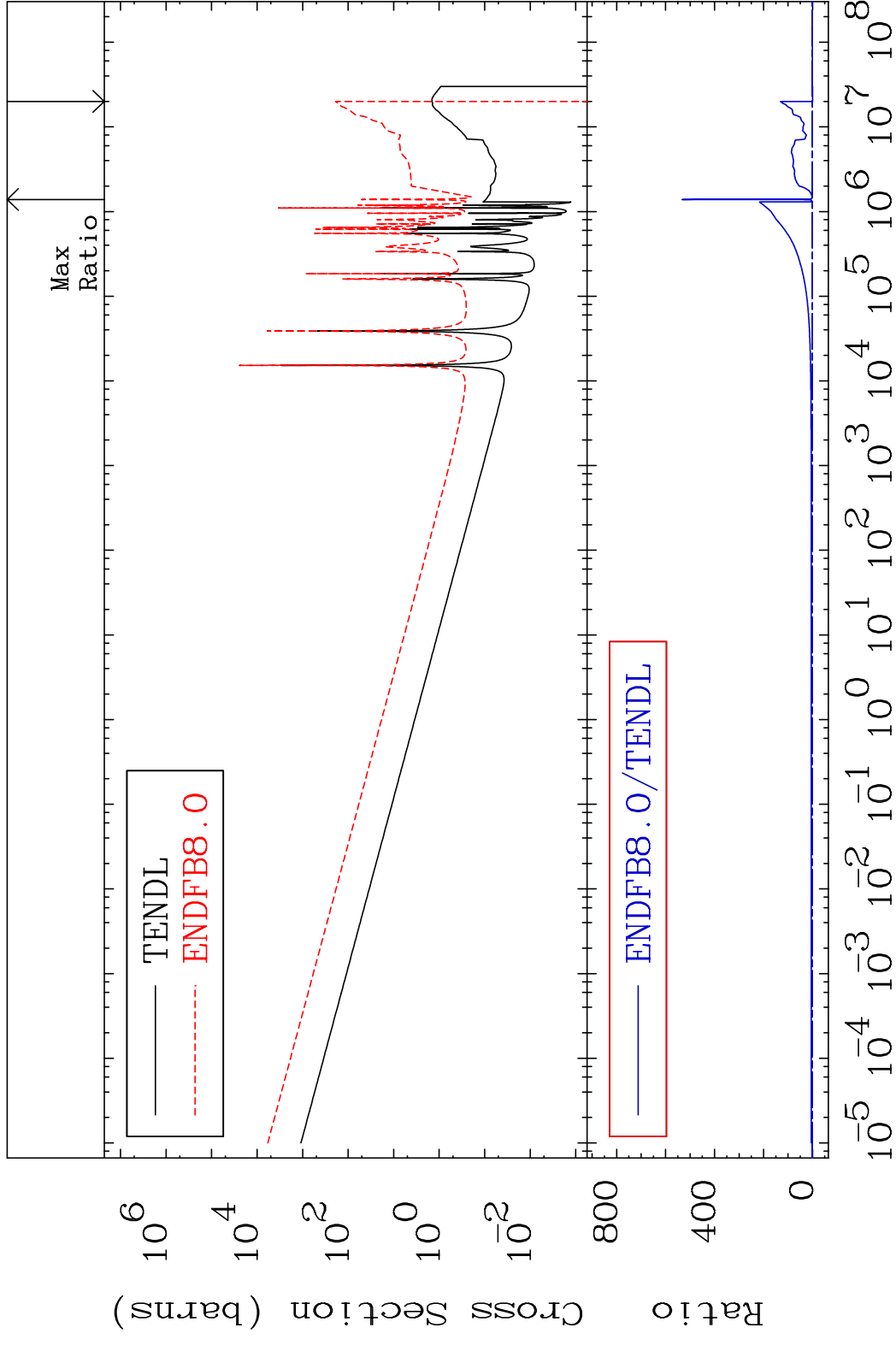


MAT 1428 Kerma fission (mt18 or mt19-20-21-38) 14-Si-29
 Cross Section -100.0 To 9999. %



MAT 1428

Kerma capture (mt102) 14-Si-29
Cross Section -100.0 To 9999. %



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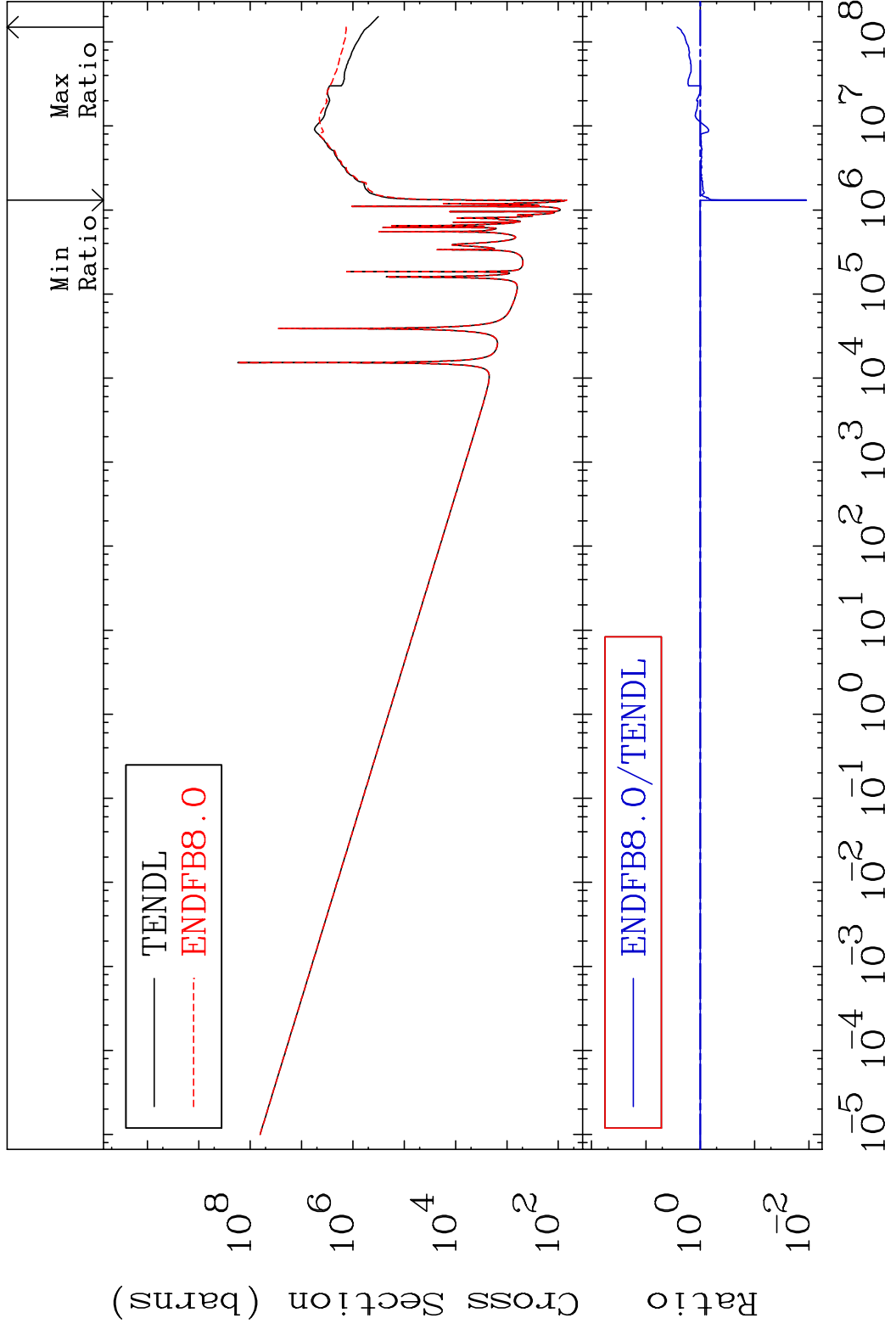
Incident Energy (eV) 14-Si-29

MAT 1428

Total photon (eV-barns)

14-Si-29

Cross Section -98.89 To 165.4 %

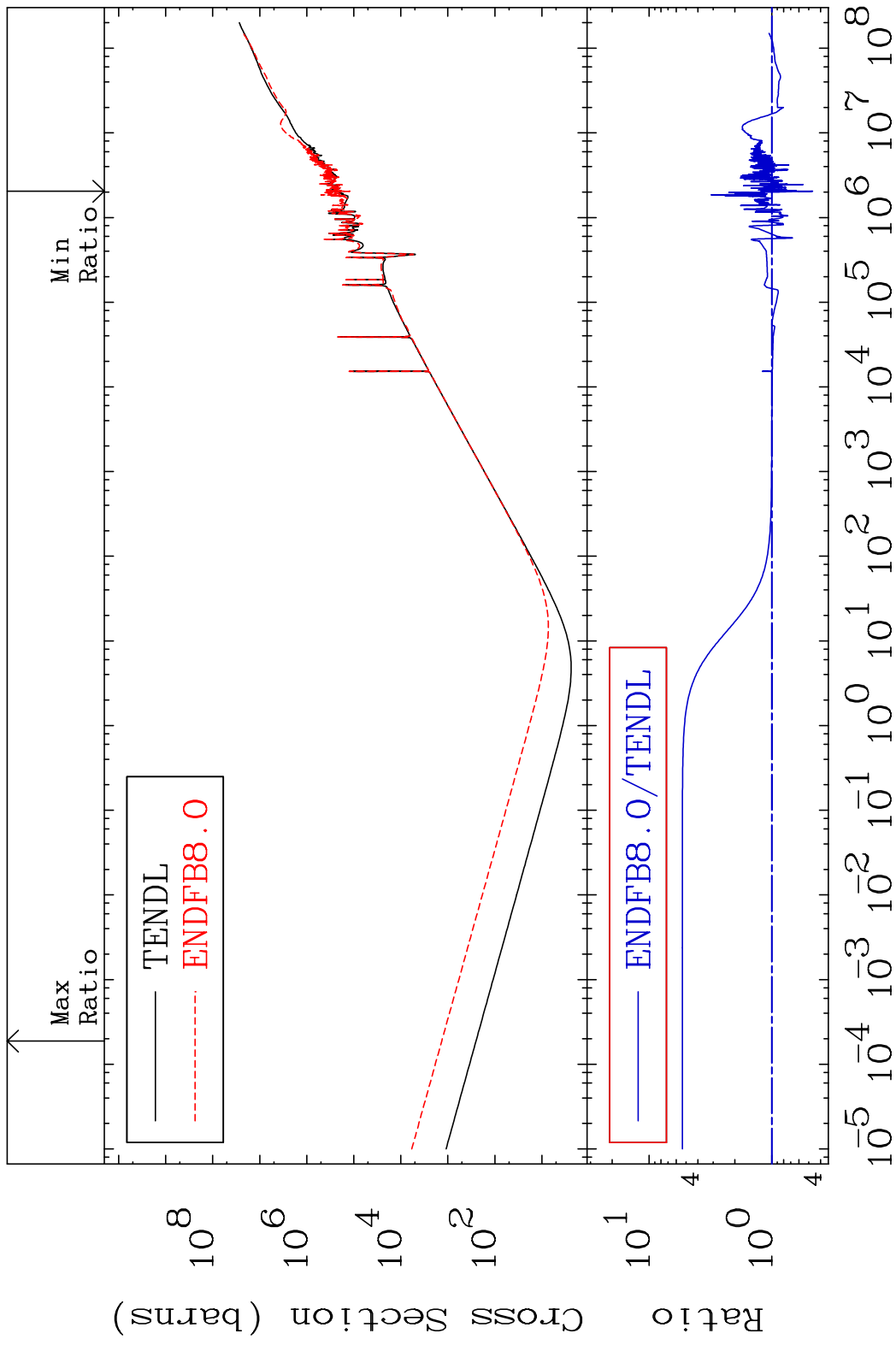


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Incident Energy (eV)

14-Si-29

MAT 1428 Total kinematic kerma (high limit) 14-Si-29
 Cross Section -53.53 To 435.5 %

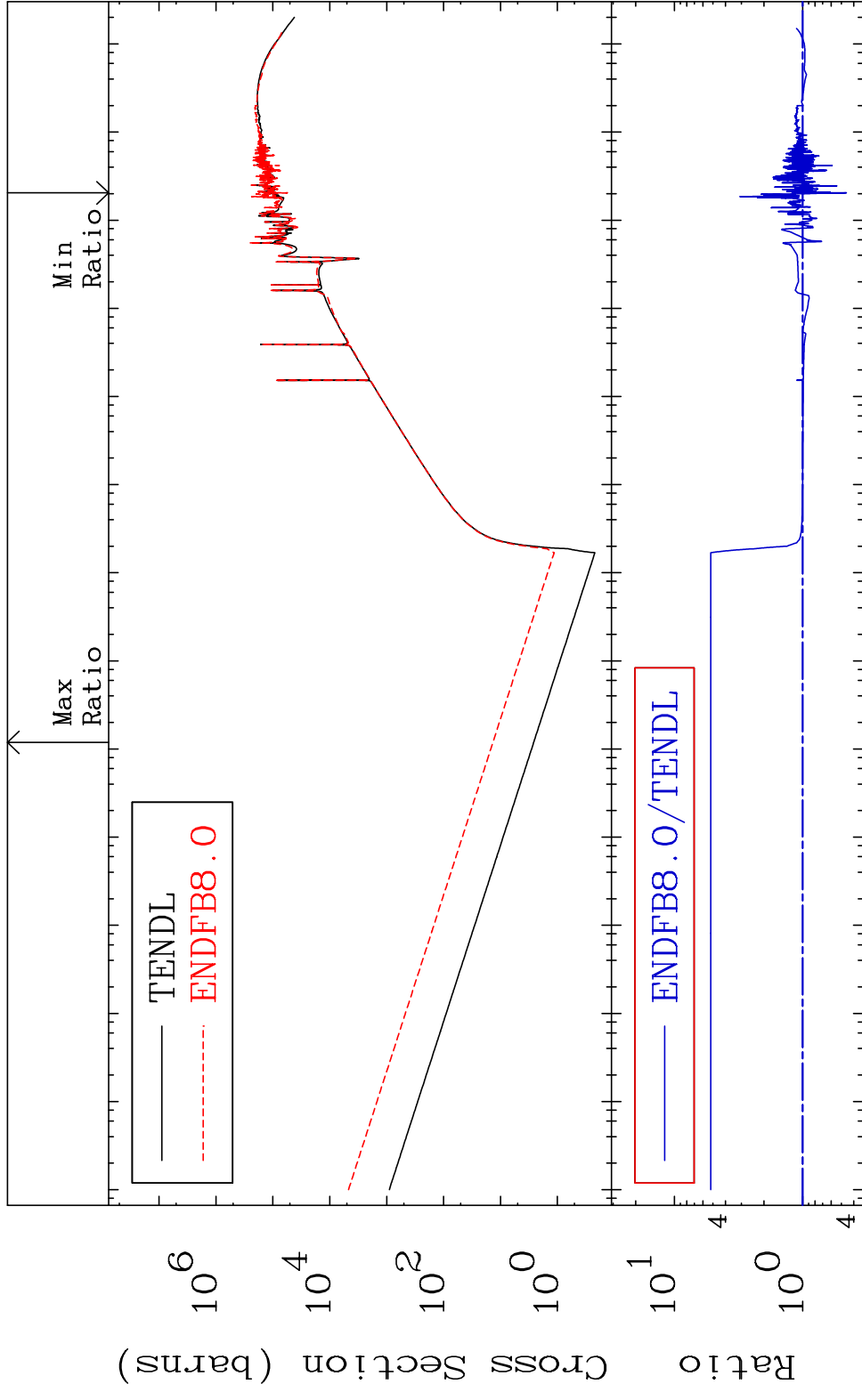


MAT 1428

Dpa total (eV-barns)

14-Si-29

Cross Section -54.29 To 421.0 %



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Incident Energy (eV)

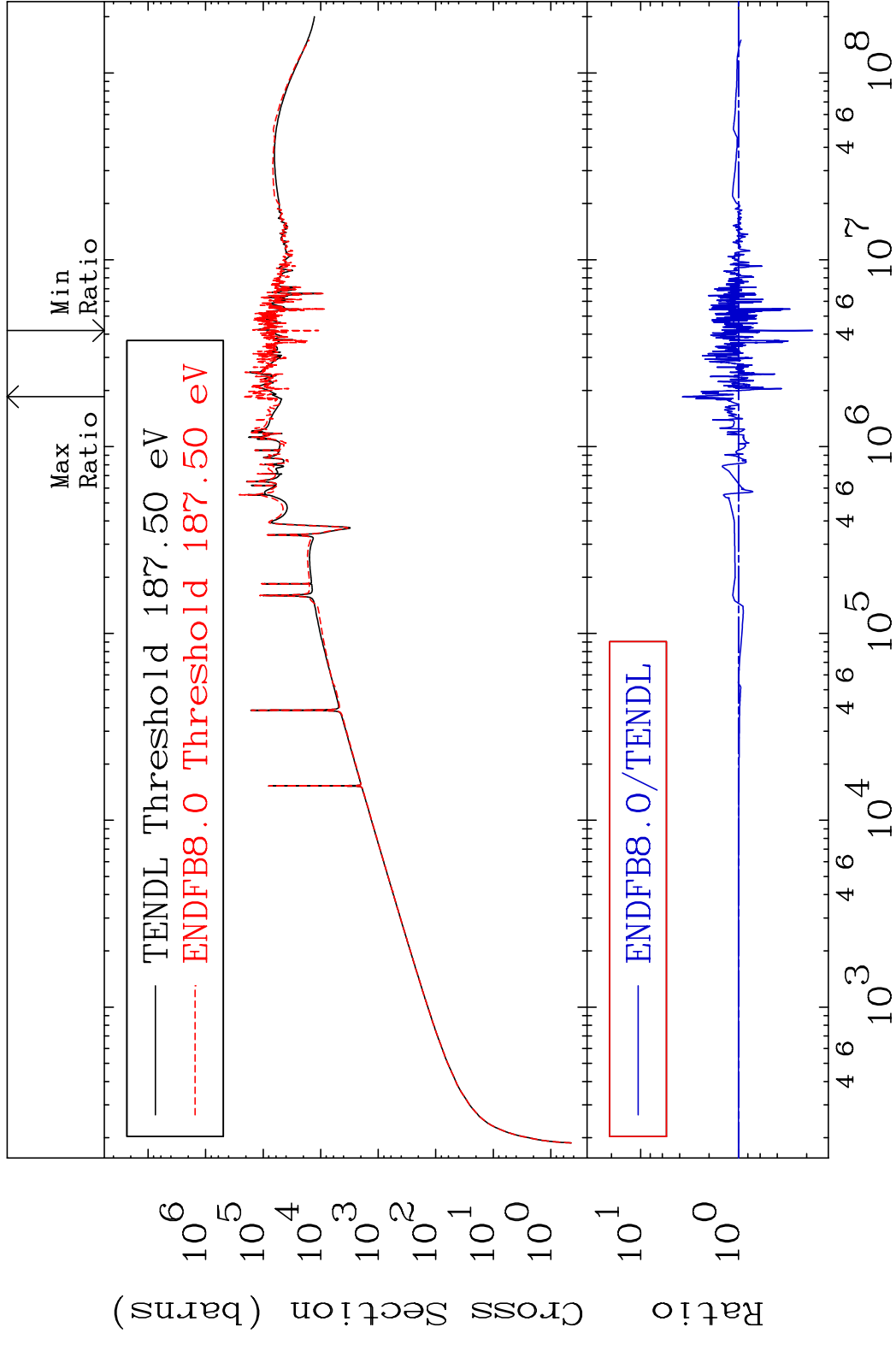
14-Si-29

MAT 1428

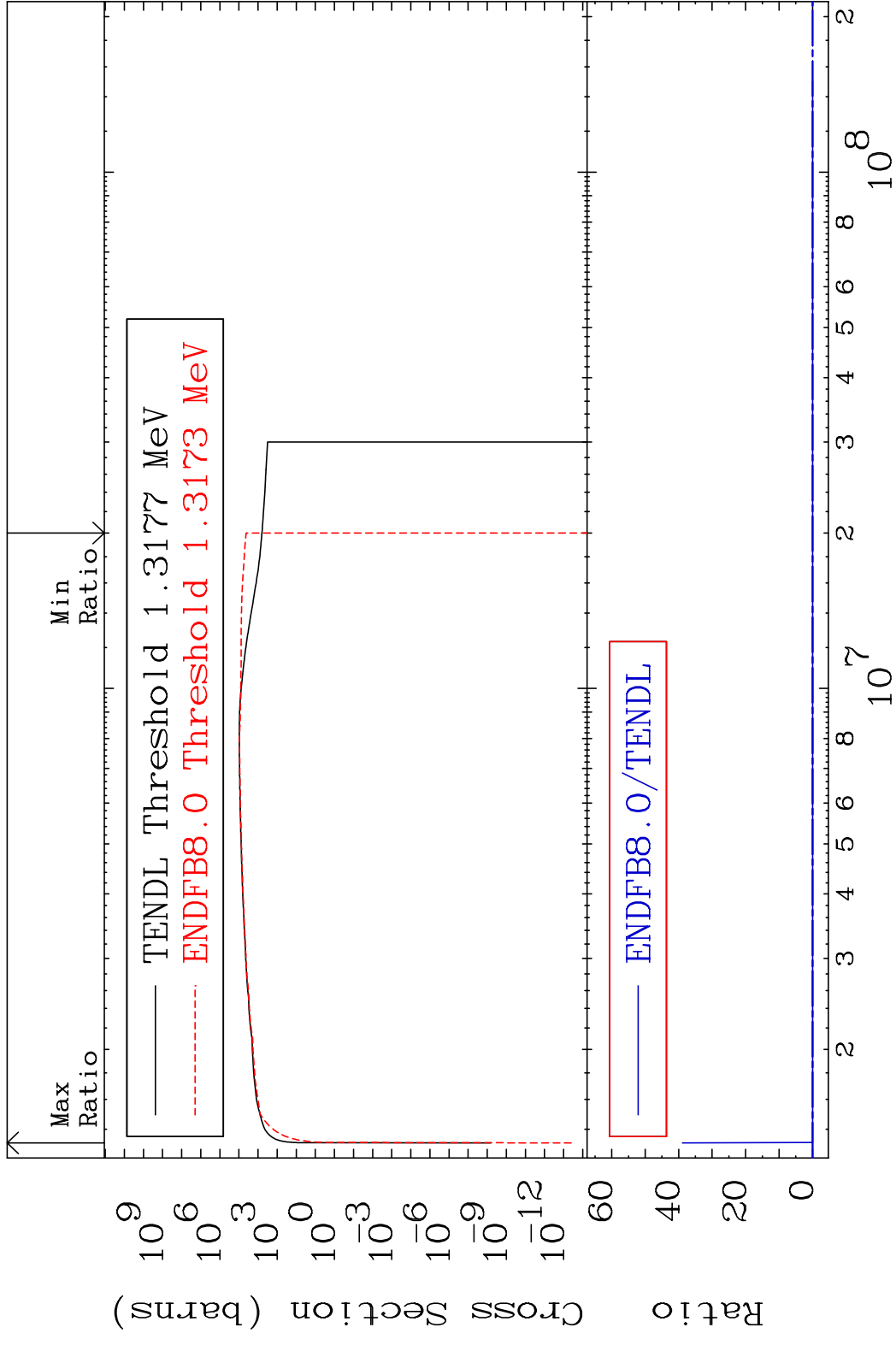
Dpa elastic (mt2)

14-Si-29

Cross Section -82.60 To 274.9 %



MAT 1428 Dpa inelastic (mt51-91) 14-Si-29
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 14-Si-29

MAT 1428 Dpa disappearance (mt102 -120) 14-Si-29
 Cross Section -100.0 To 895.5 %

