

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

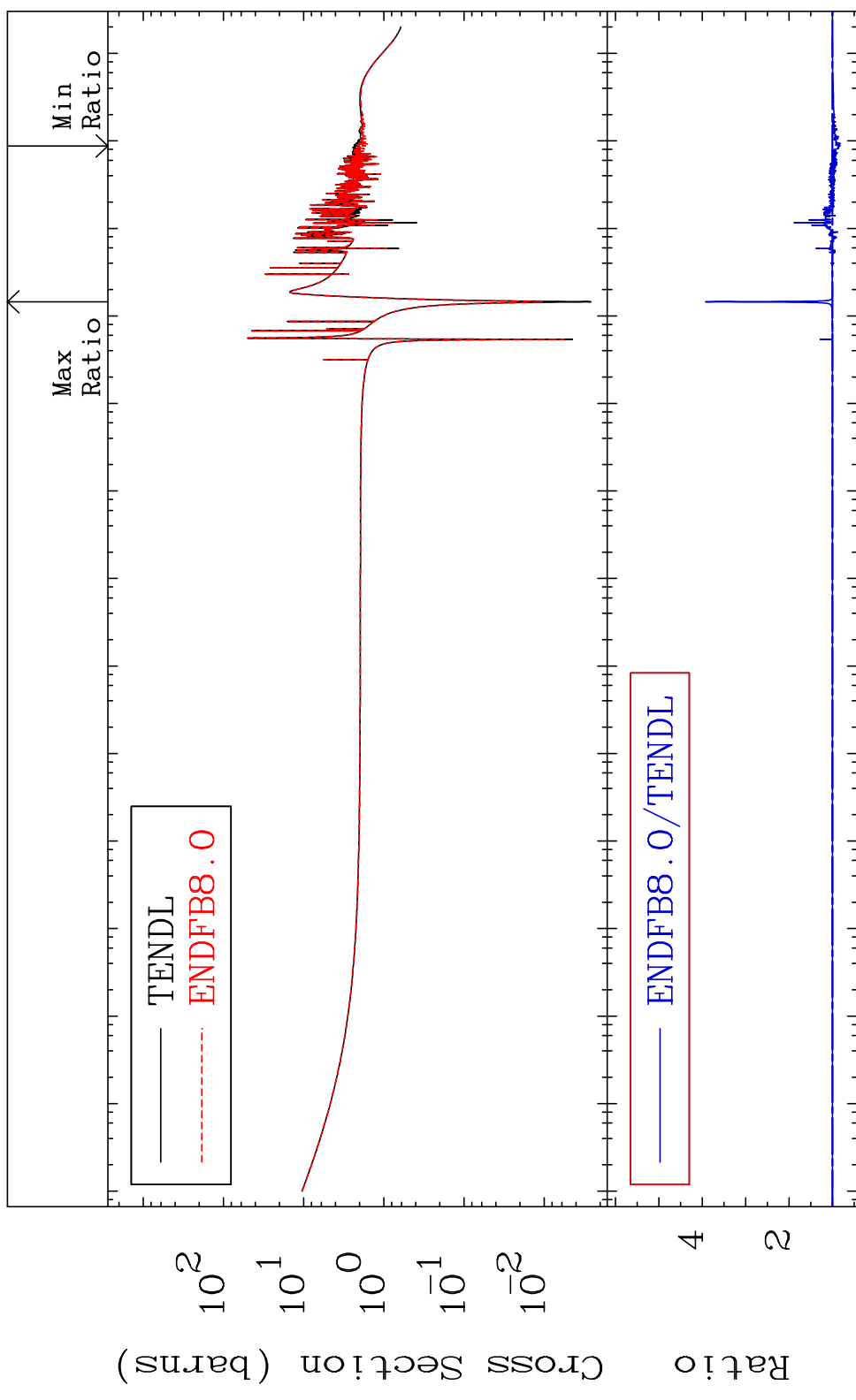
MAT 1425

Total

14-Si-28

Cross Section

-18.44 To 291.8 %



1

Incident Energy (eV)

14-Si-28

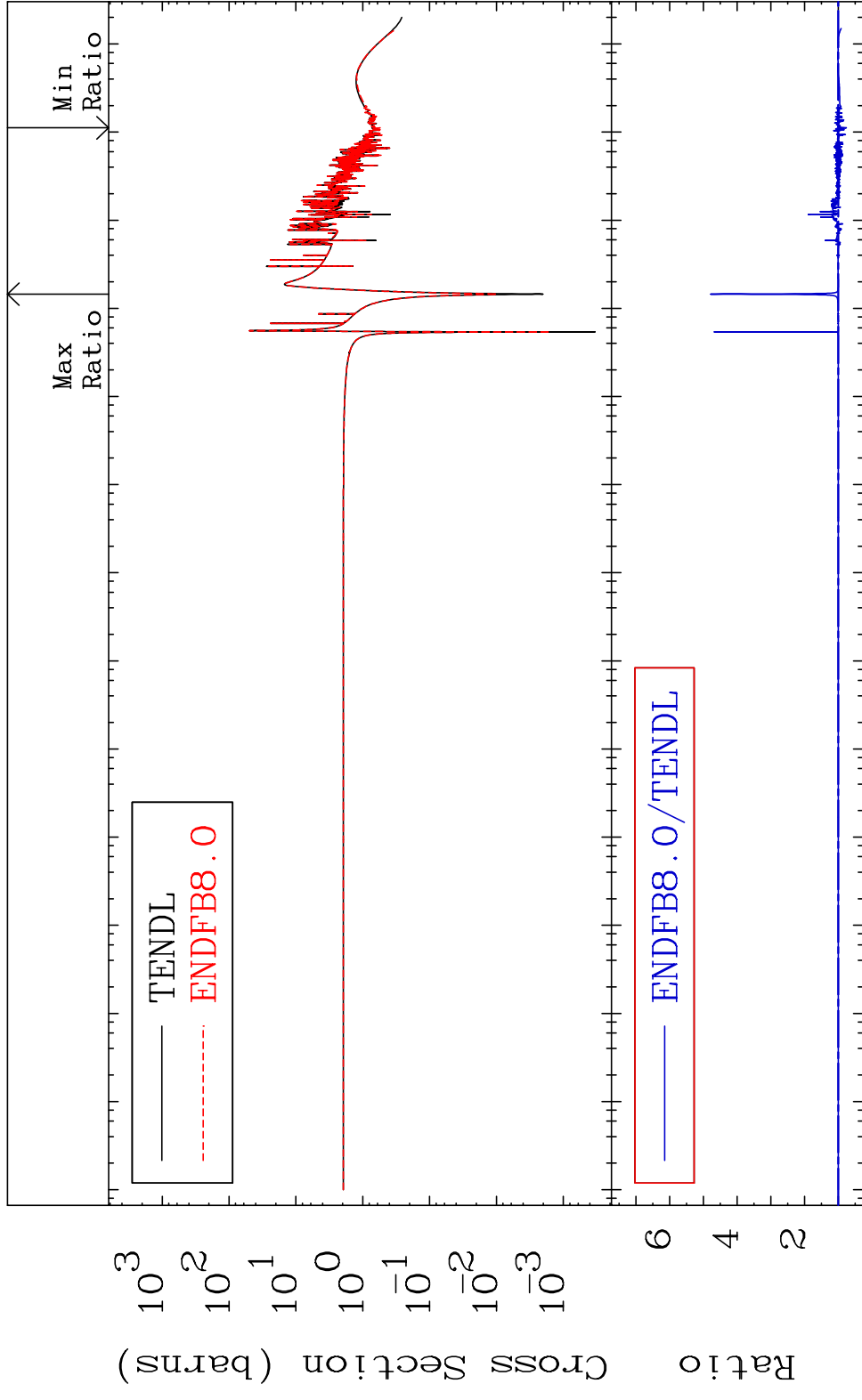
MAT 1425

Elastic

14-Si-28

Cross Section

-23.97 To 378.0 %



2

Incident Energy (eV)

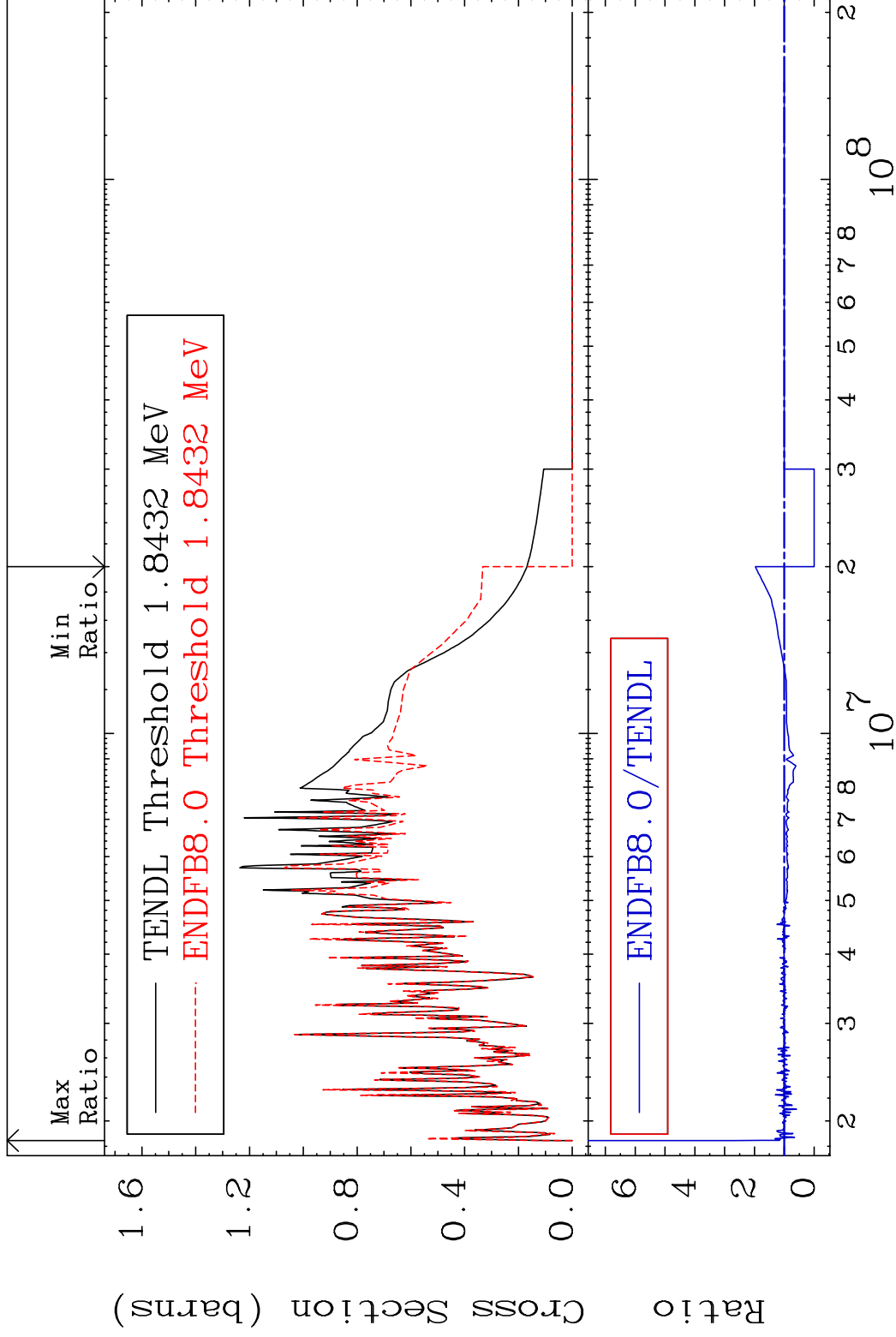
14-Si-28

MAT 1425

Inelastic

¹⁴Si-28

Cross Section -100.0 To 337.6 %



3

Incident Energy (eV)

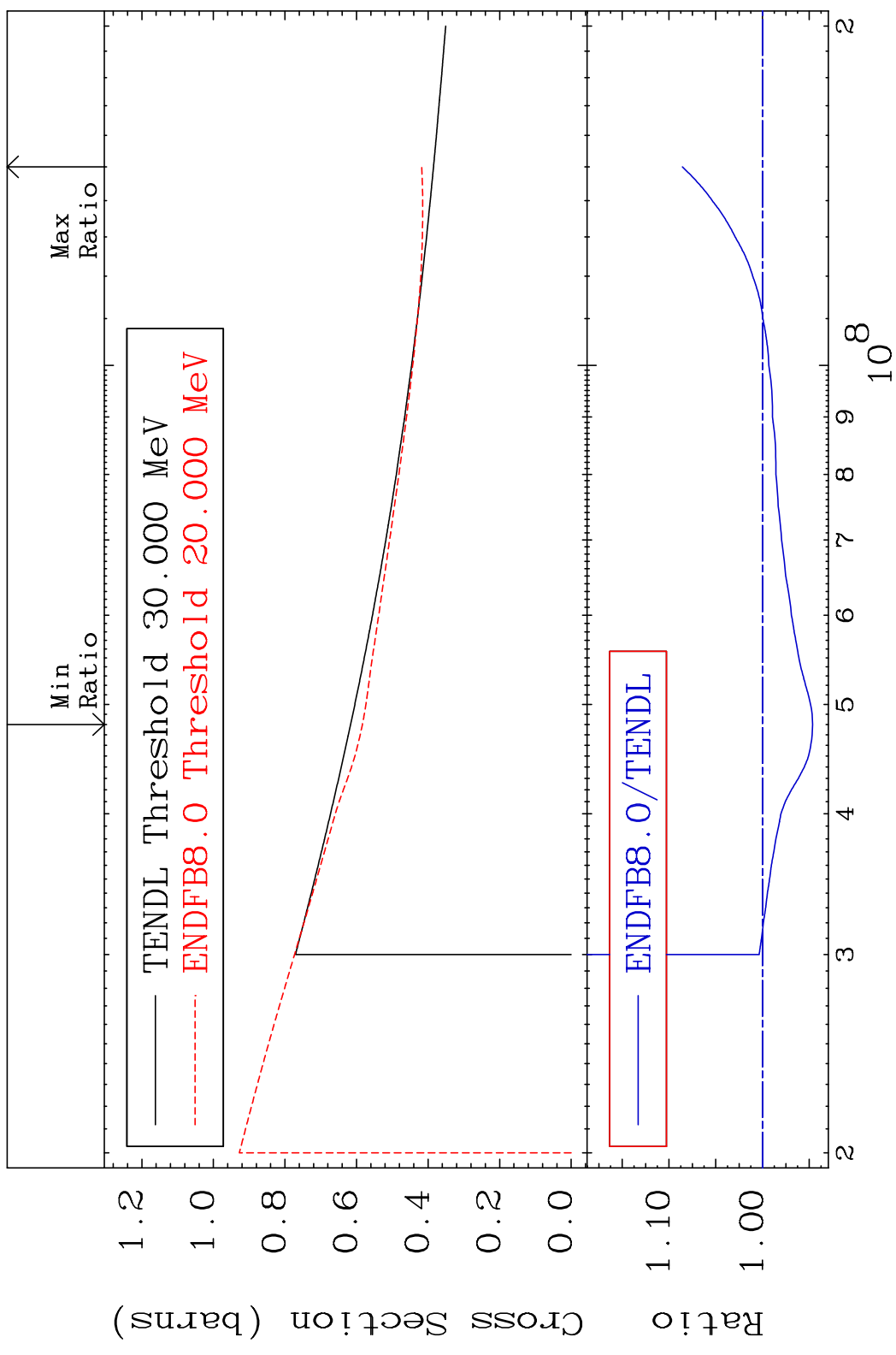
¹⁴Si-28

MAT 1425

(n, remainder)

14-Si-28

Cross Section -5.350 To 8.575 %

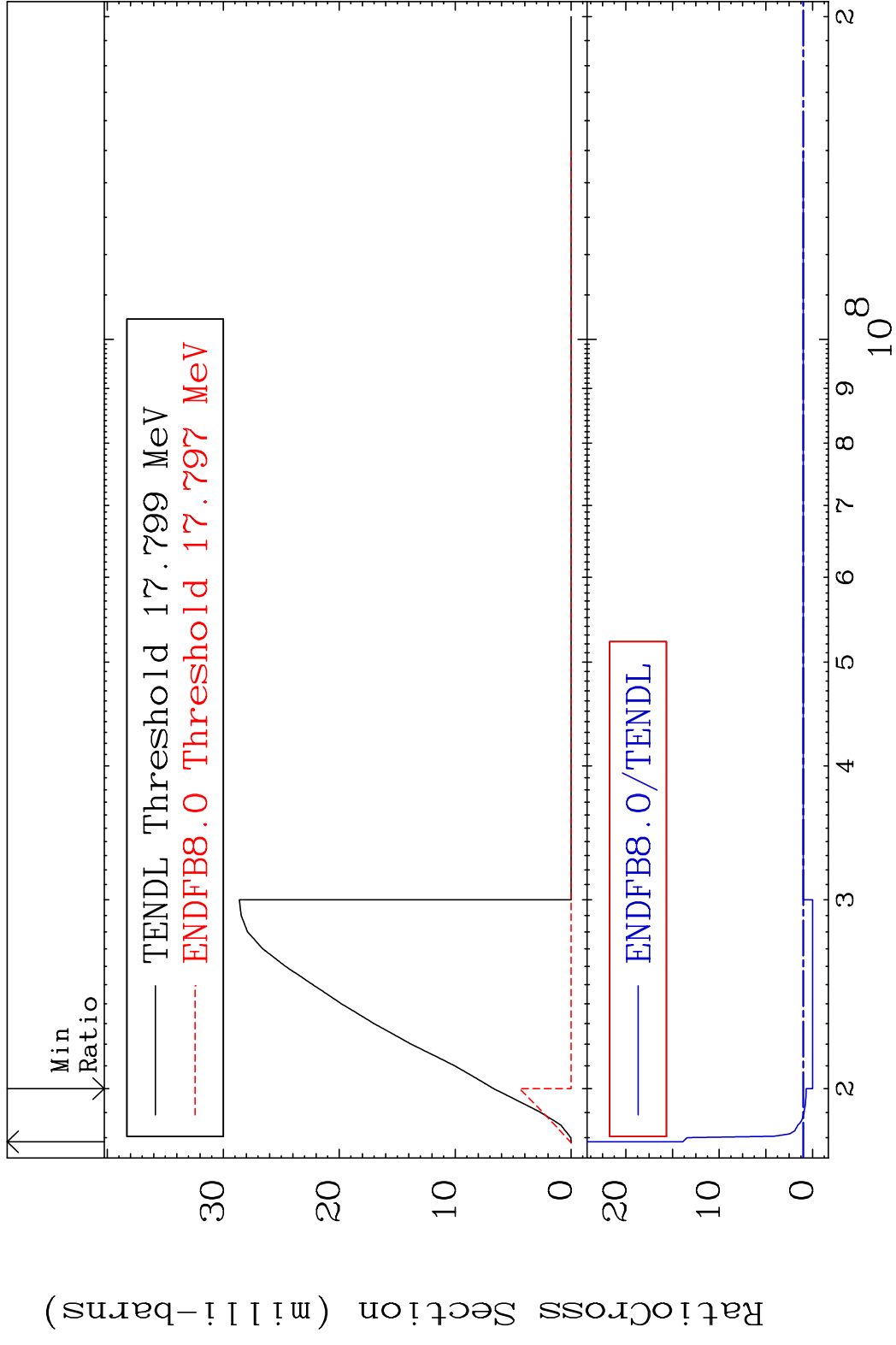


4

Incident Energy (eV)

14-Si-28

MAT 1425 (n,2n) 14-Si-28
 Cross Section -100.0 To 1295. %



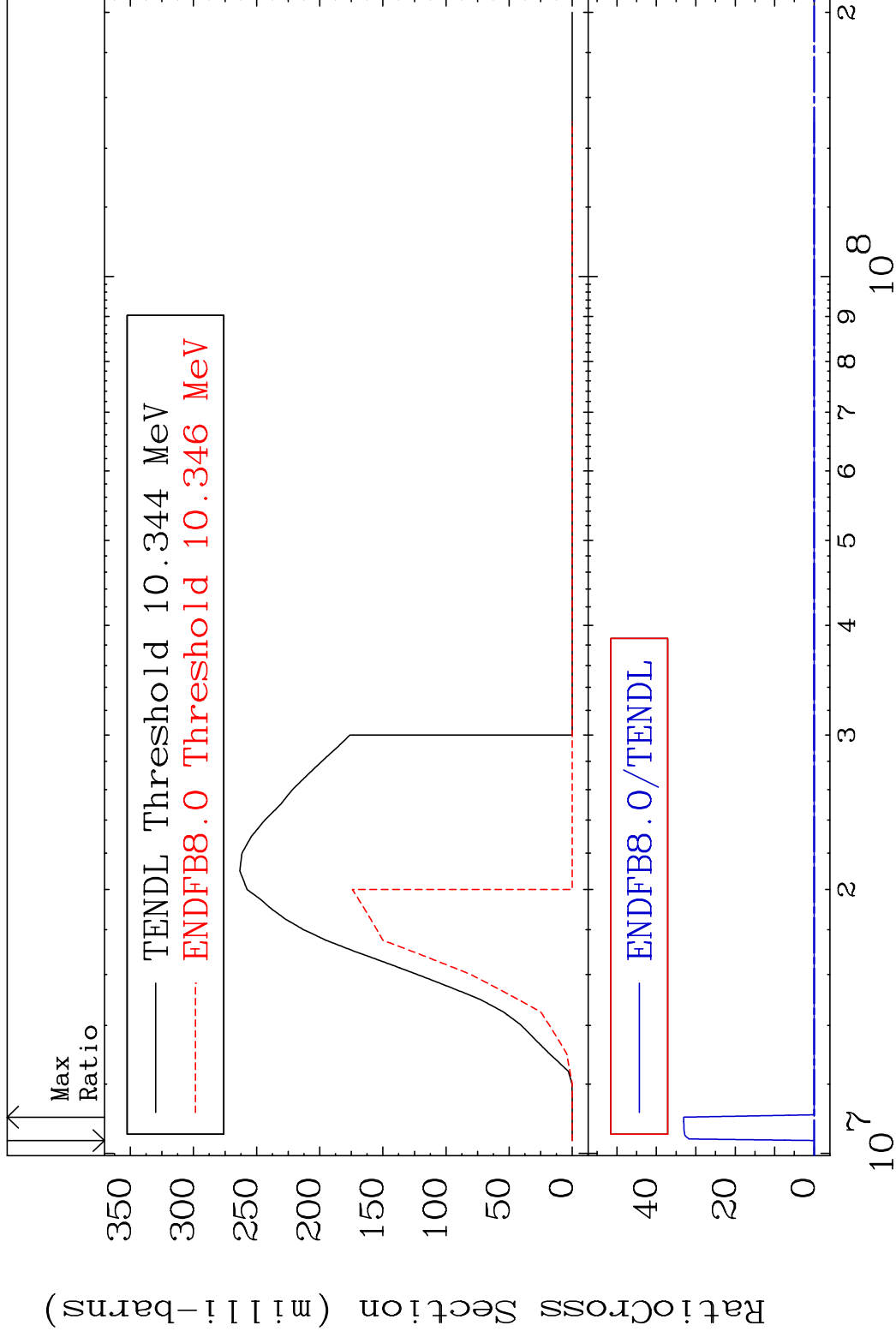
5 Incident Energy (eV) 14-Si-28

MAT 1425

(n, n') α

14-Si-28

Cross Section -100.0 To 9999. %

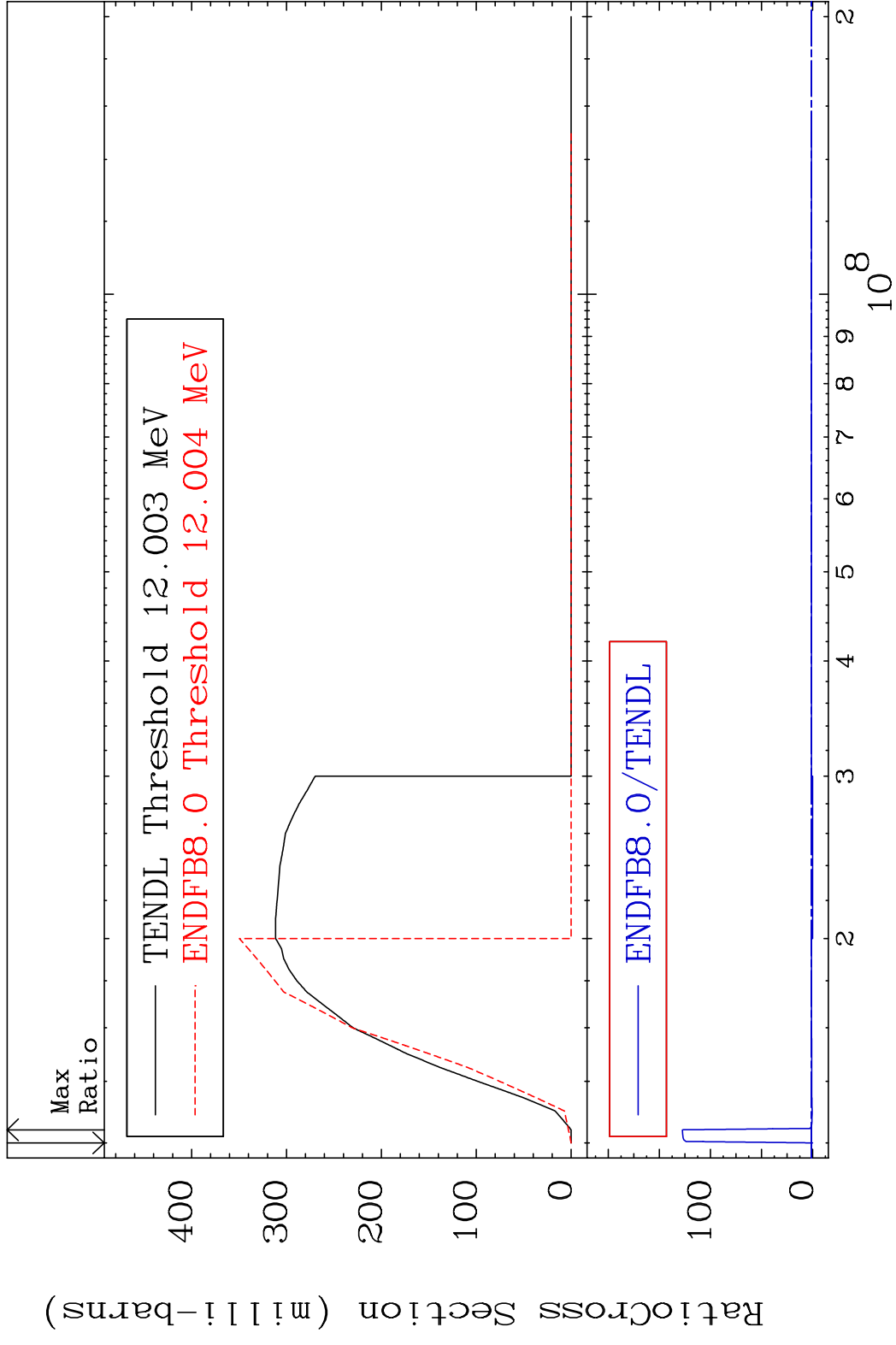


6

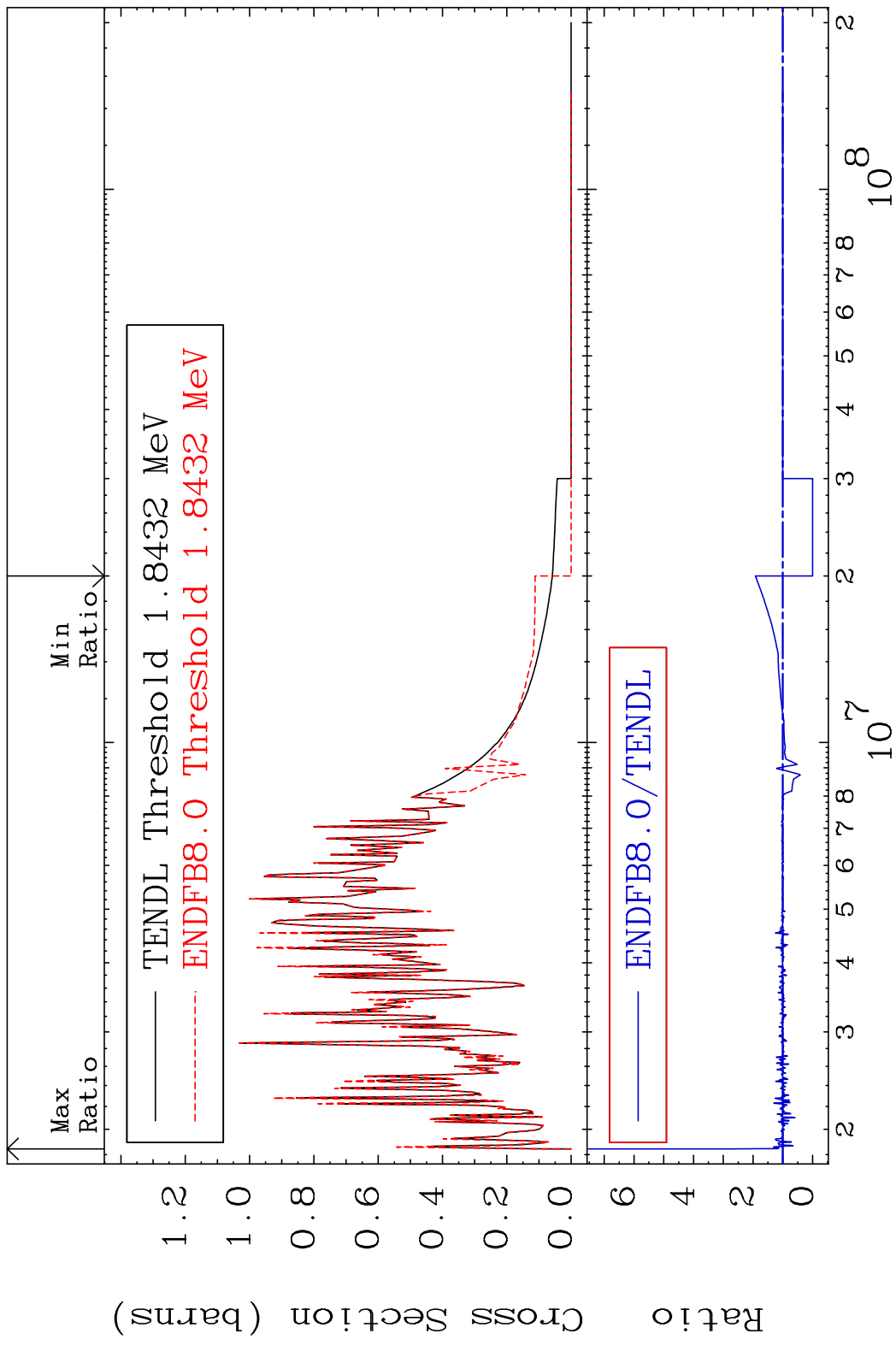
Incident Energy (eV)

14-Si-28

MAT 1425 (n, n') p 14-Si-28
 Cross Section -100.0 To 9999. %

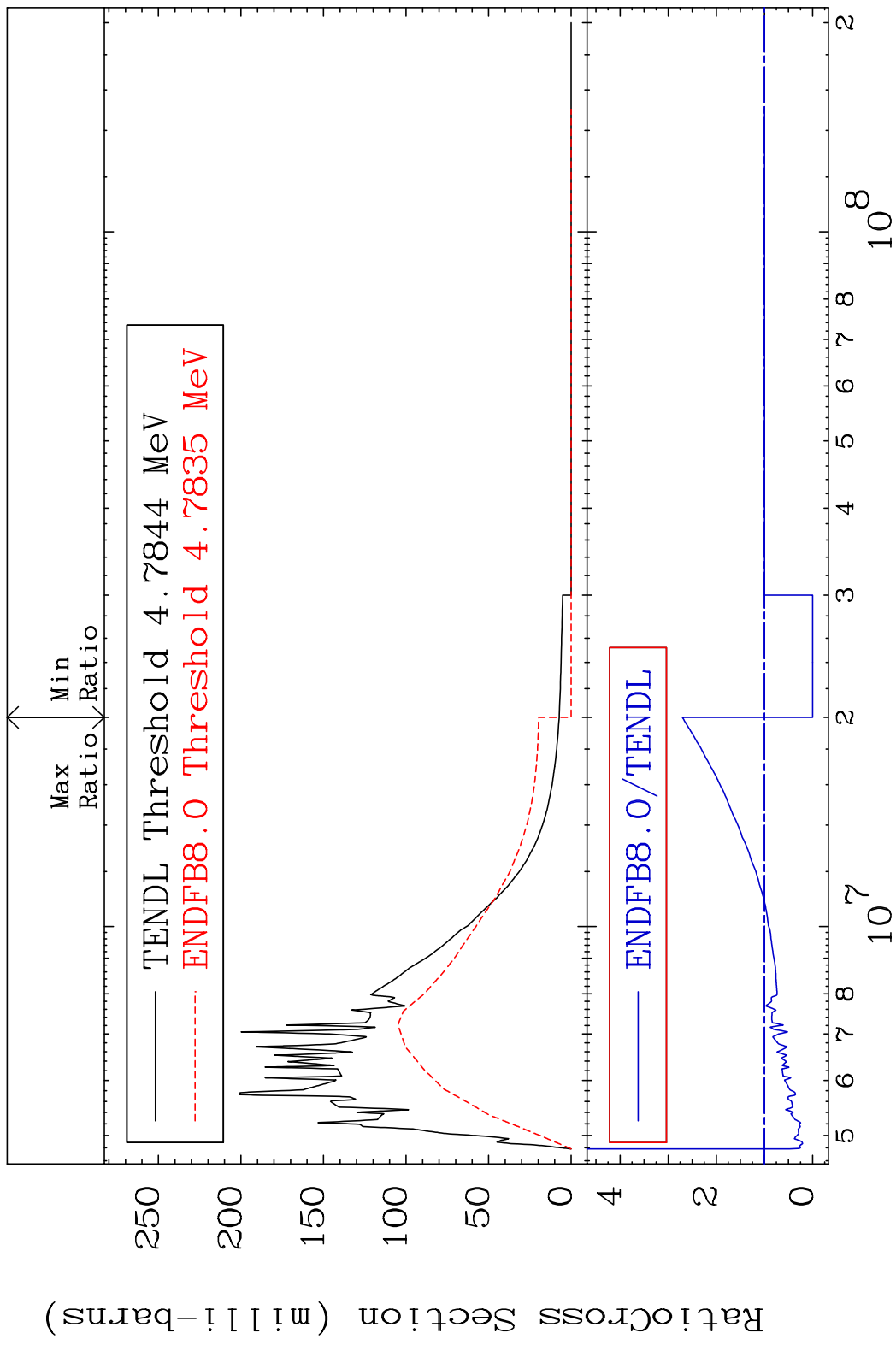


MAT 1425 MT= 51 (n, n') Level 14-Si-28
 Cross Section -100.0 To 337.6 %

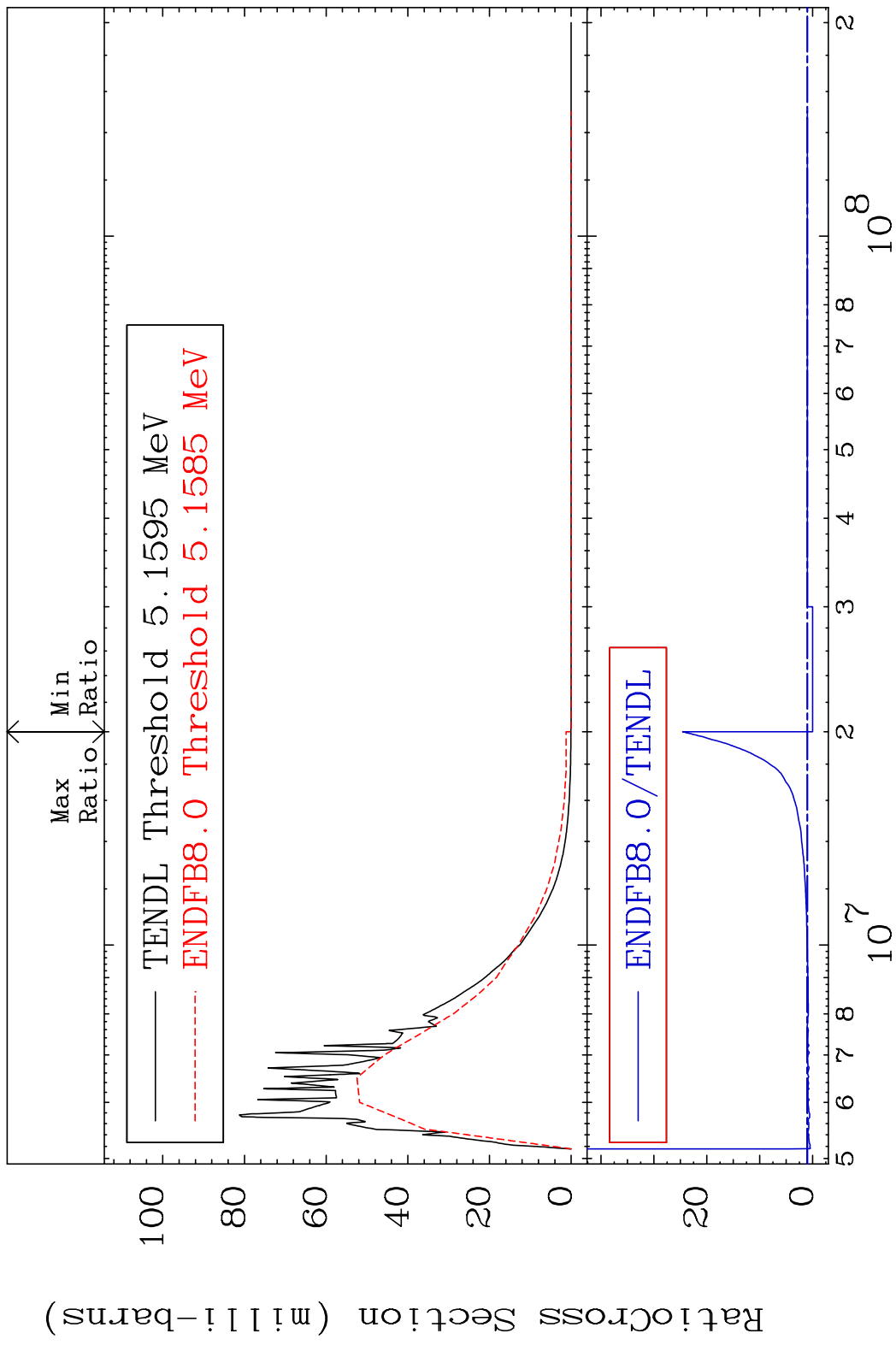


8 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 52 (n, n') Level 14-Si-28
 Cross Section -100.0 To 170.5 %

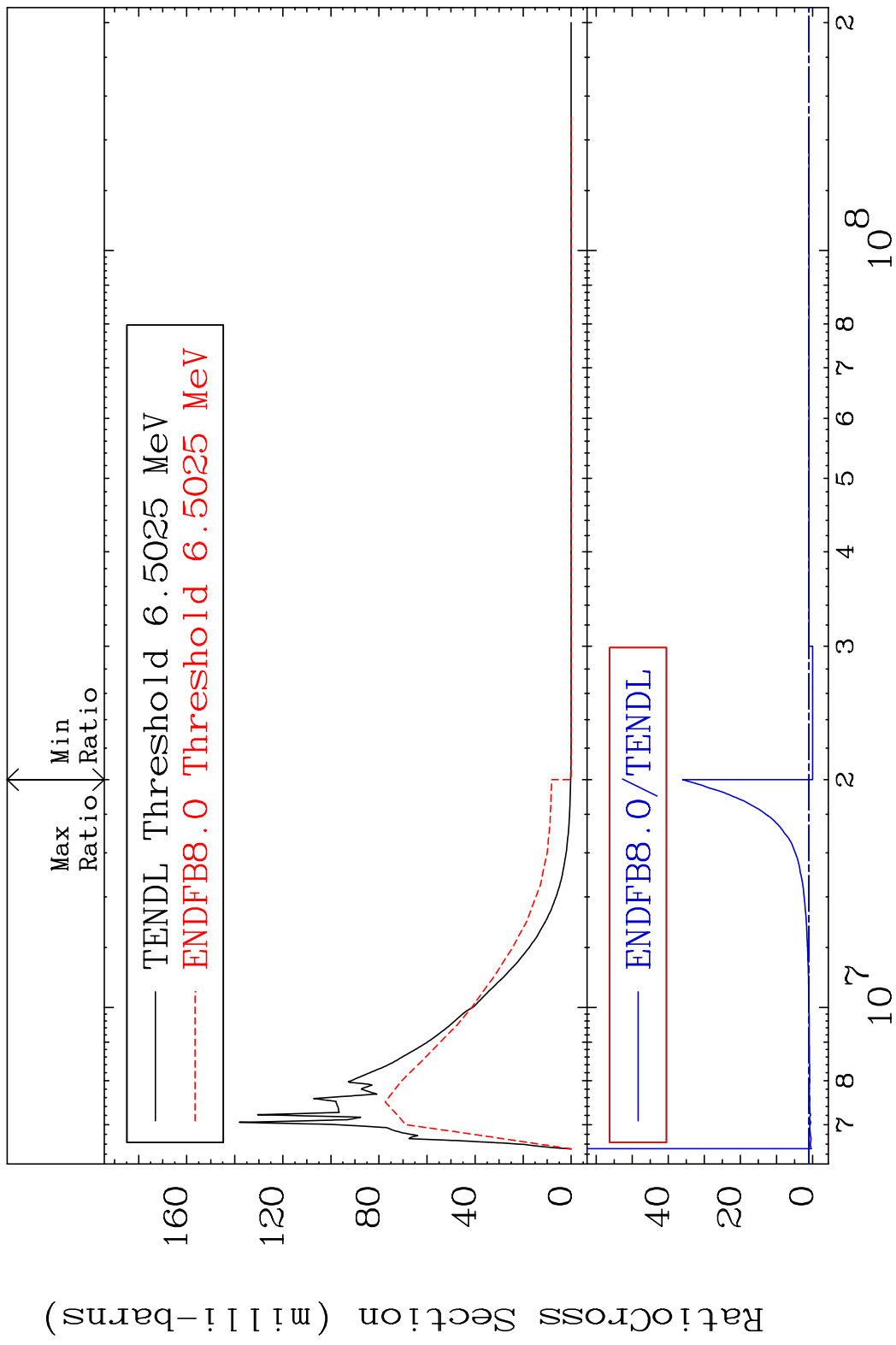


MAT 1425 MT= 53 (n,n') Level 14-Si-28
 Cross Section -100.0 To 2361. %

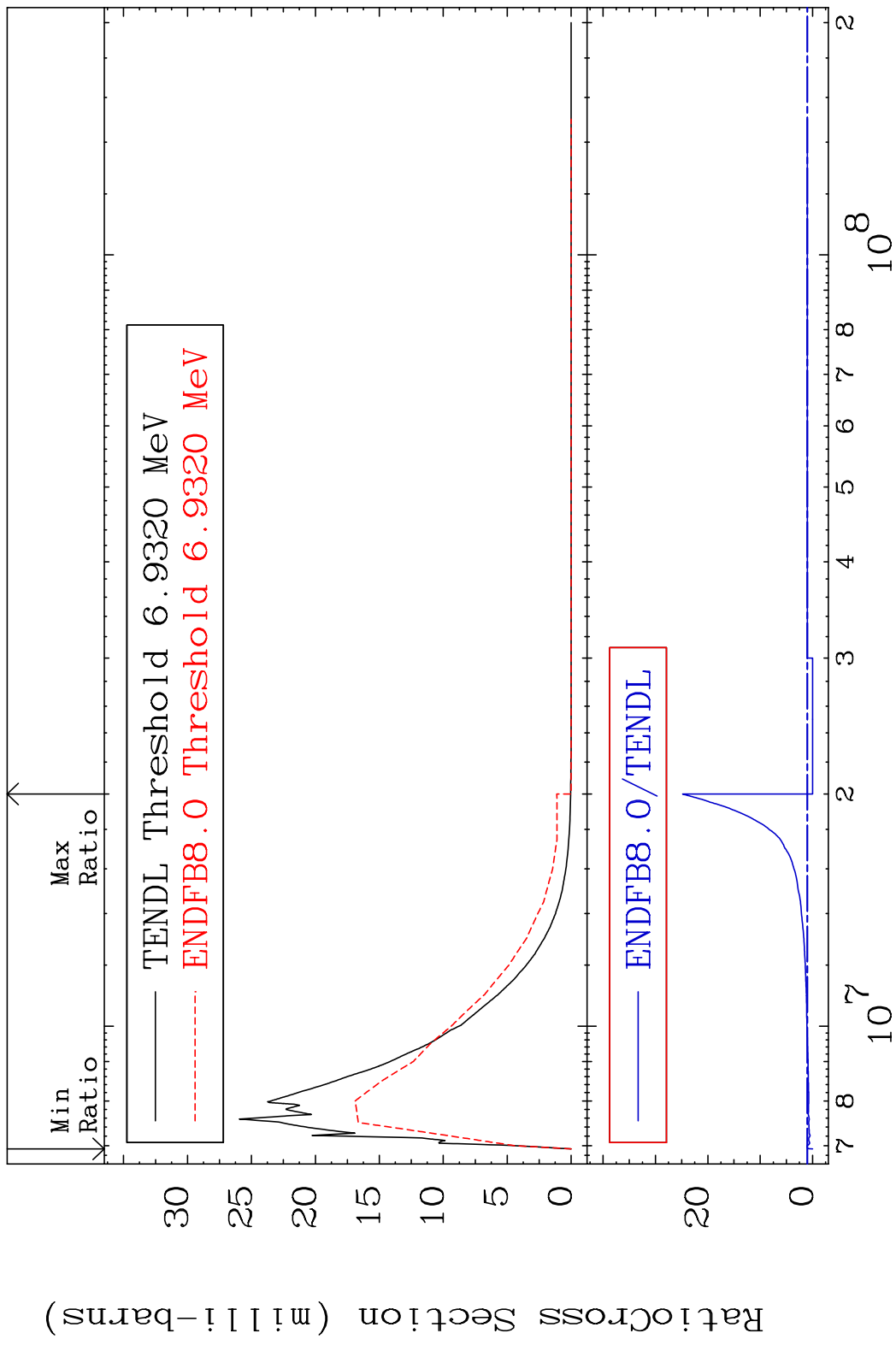


10 10⁷ 10⁸ 14-Si-28

MAT 1425 MT= 54 (n,n') Level 14-Si-28
 Cross Section -100.0 To 3509. %

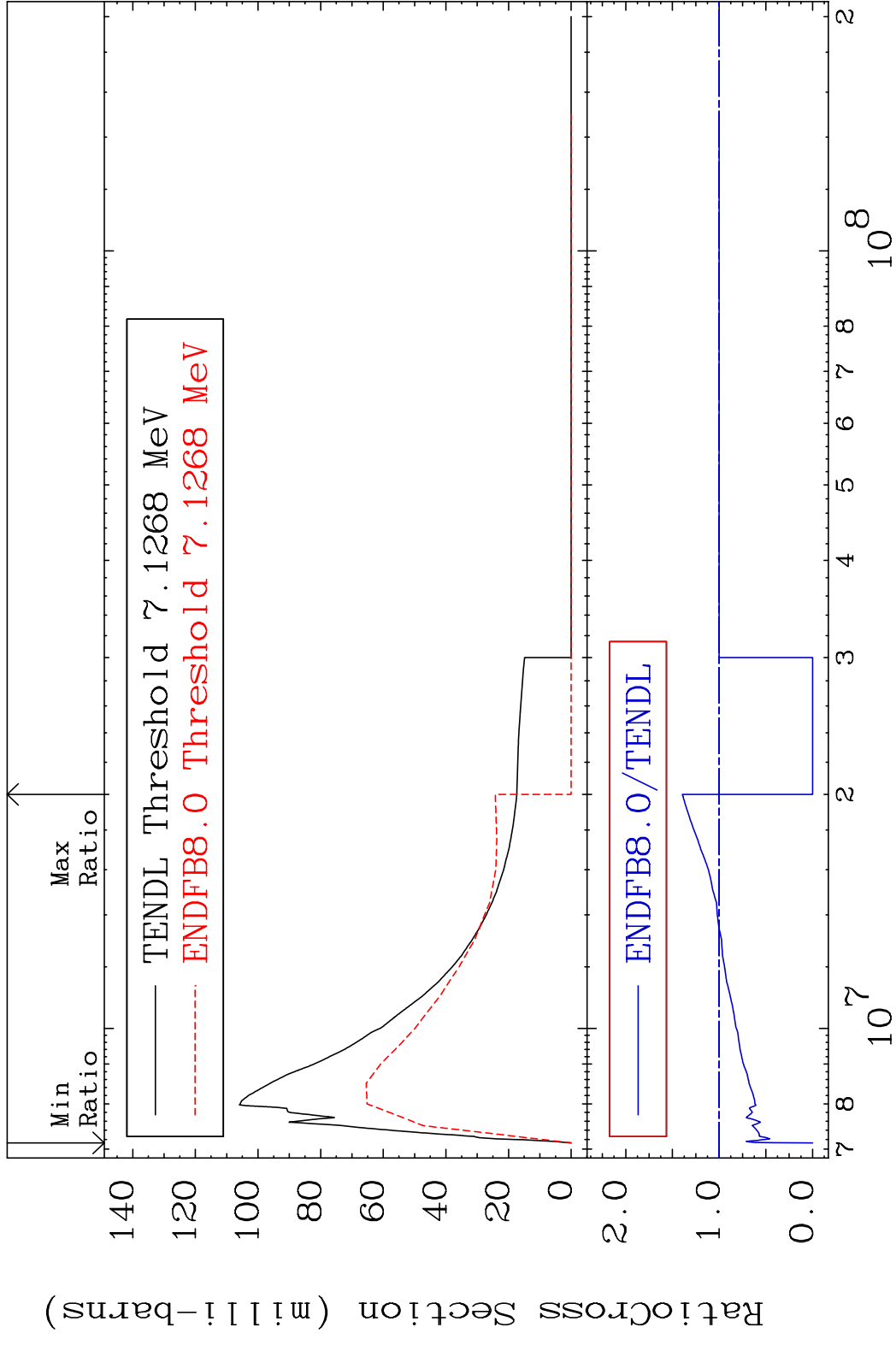


MAT 1425 MT= 55 (n,n') Level 14-Si-28
 Cross Section -100.0 To 2387. %

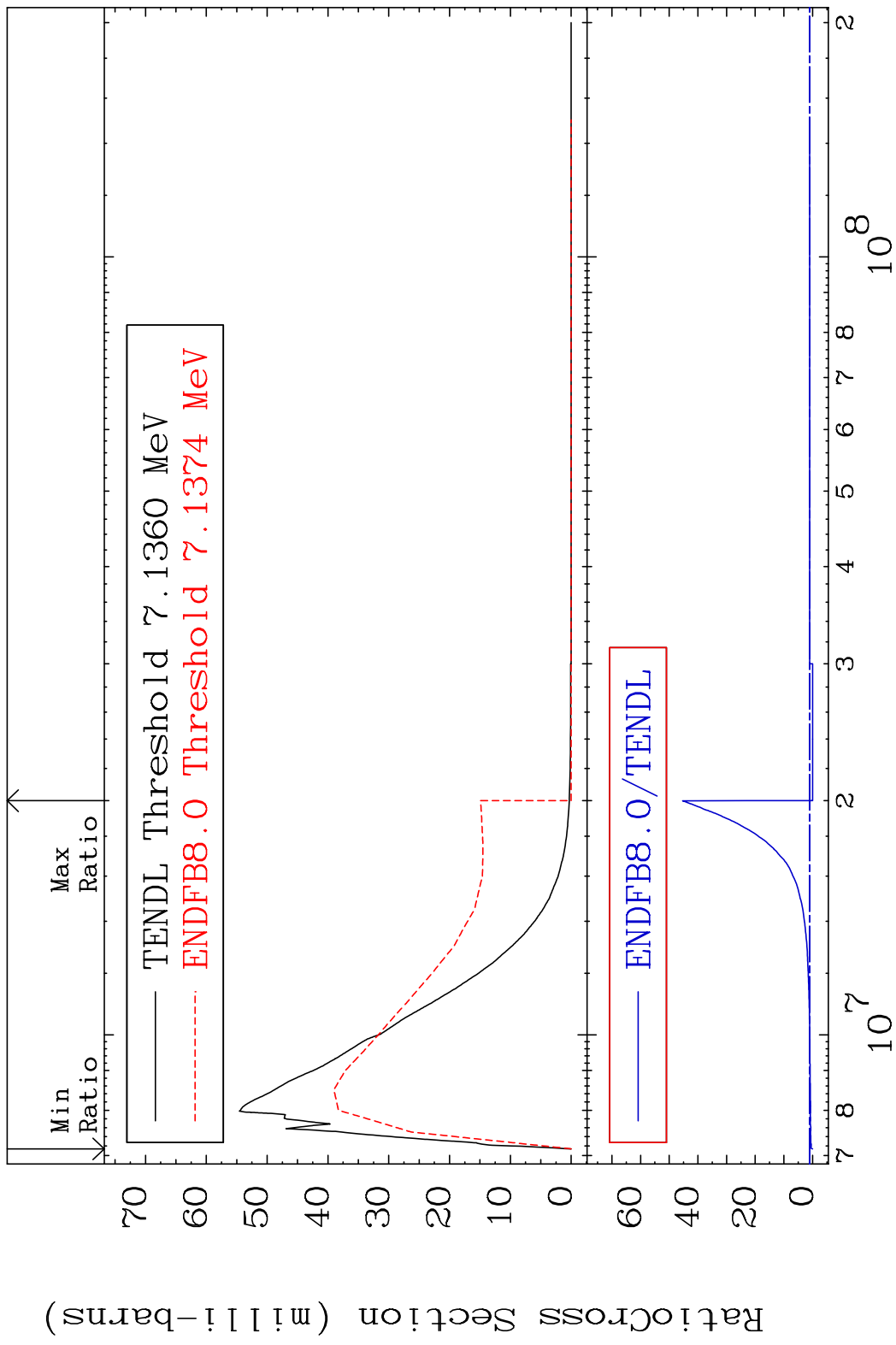


12 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 56 (n,n') Level 14-Si-28
 Cross Section -100.0 To 39.39 %

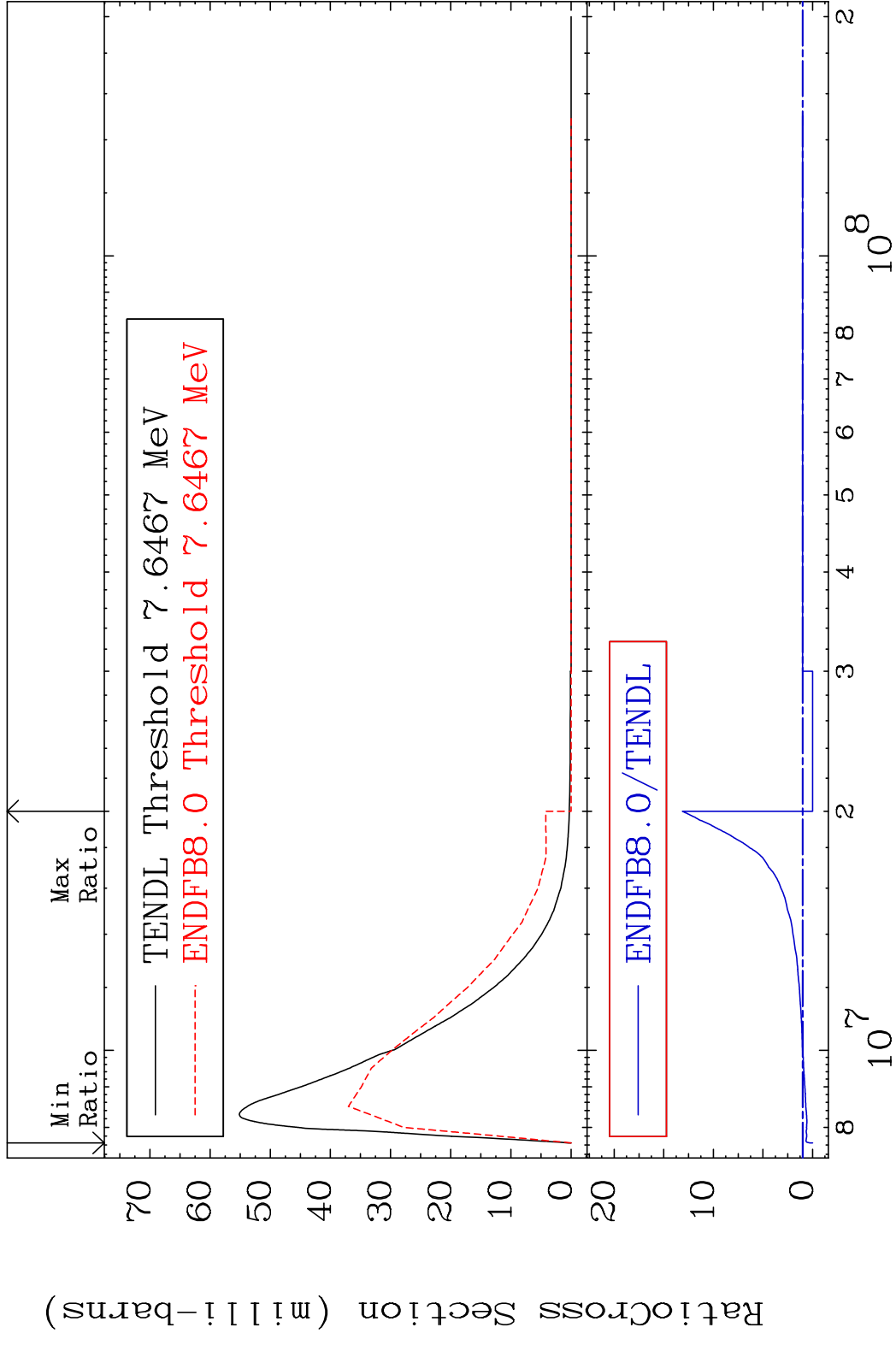


MAT 1425 MT= 57 (n,n') Level 14-Si-28
 Cross Section -100.0 To 4442. %



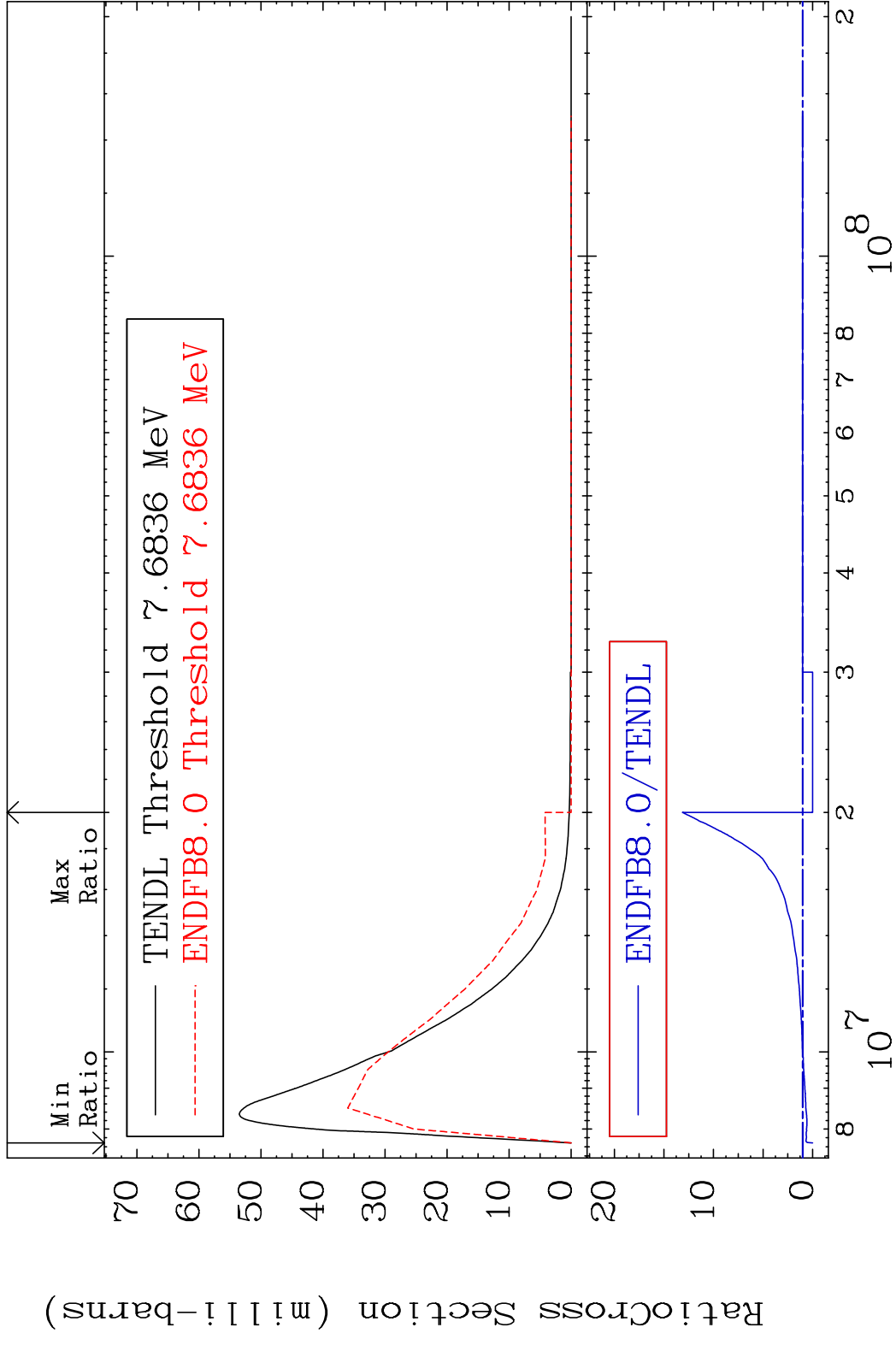
14 14-Si-28

MAT 1425 MT= 58 (n,n') Level 14-Si-28
 Cross Section -100.0 To 1213. %



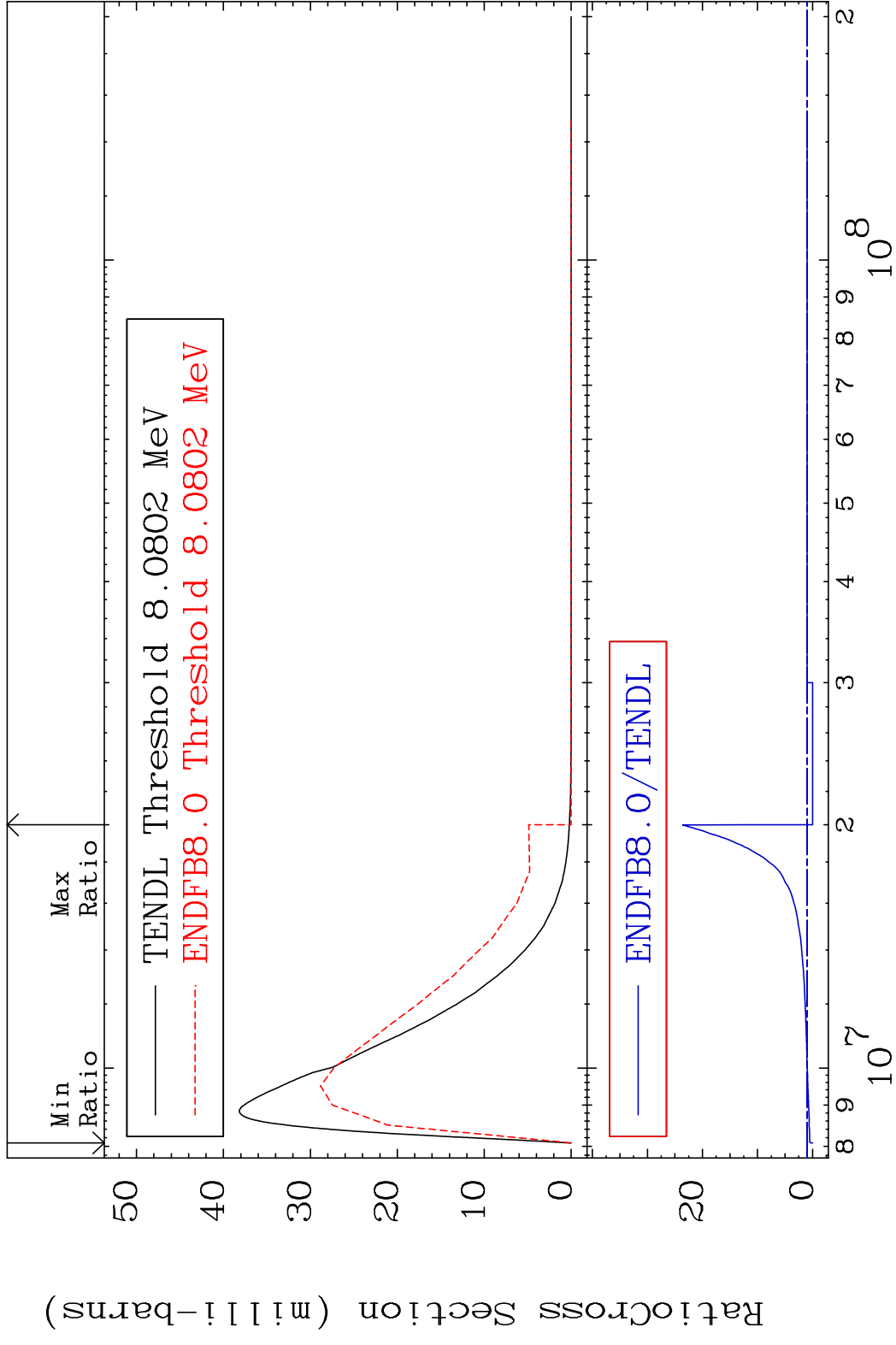
15 14-Si-28

MAT 1425 MT= 59 (n,n') Level 14-Si-28
 Cross Section -100.0 To 1214. %

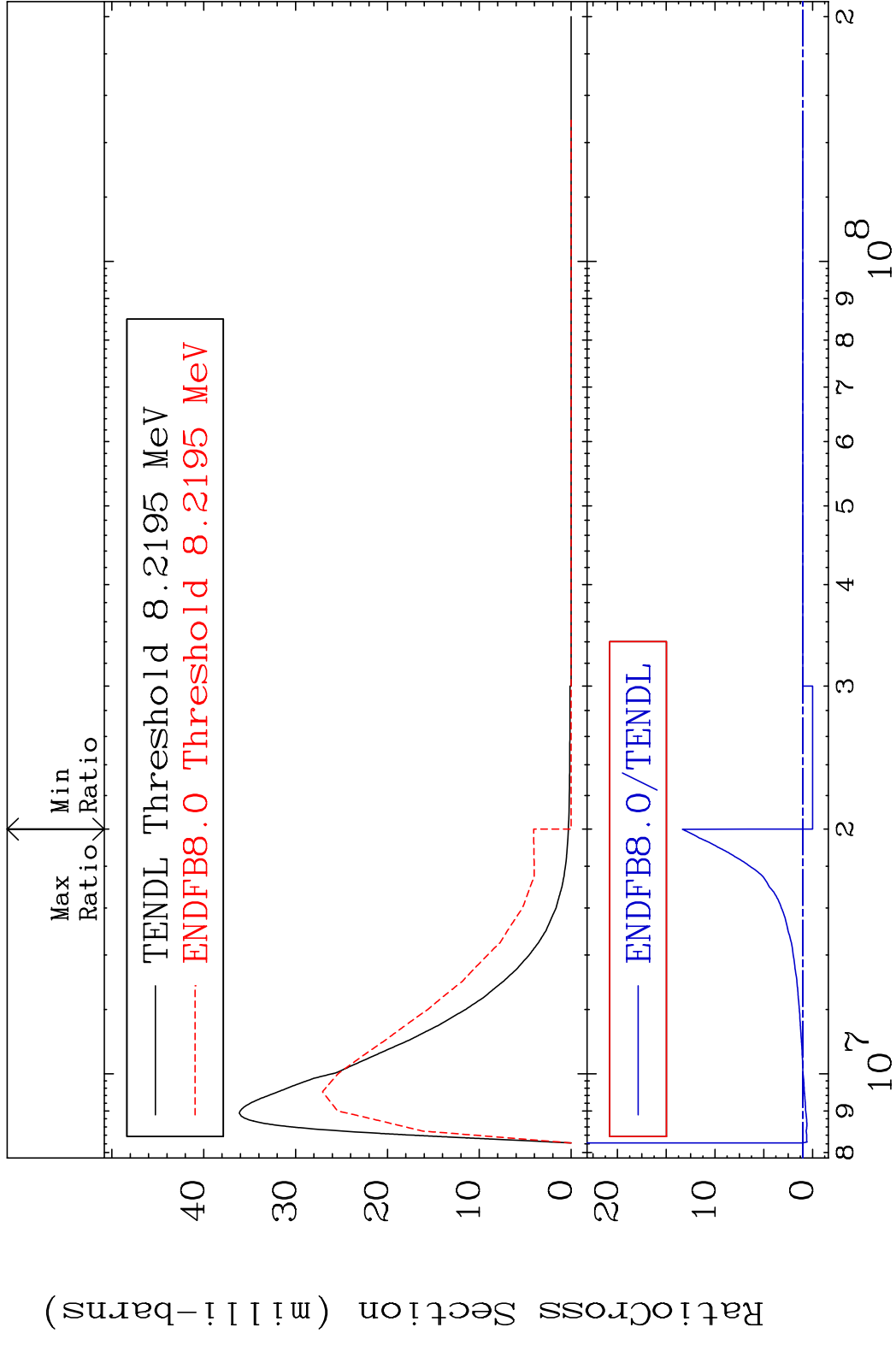


16 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 60 (n,n') Level 14-Si-28
 Cross Section -100.0 To 2265. %

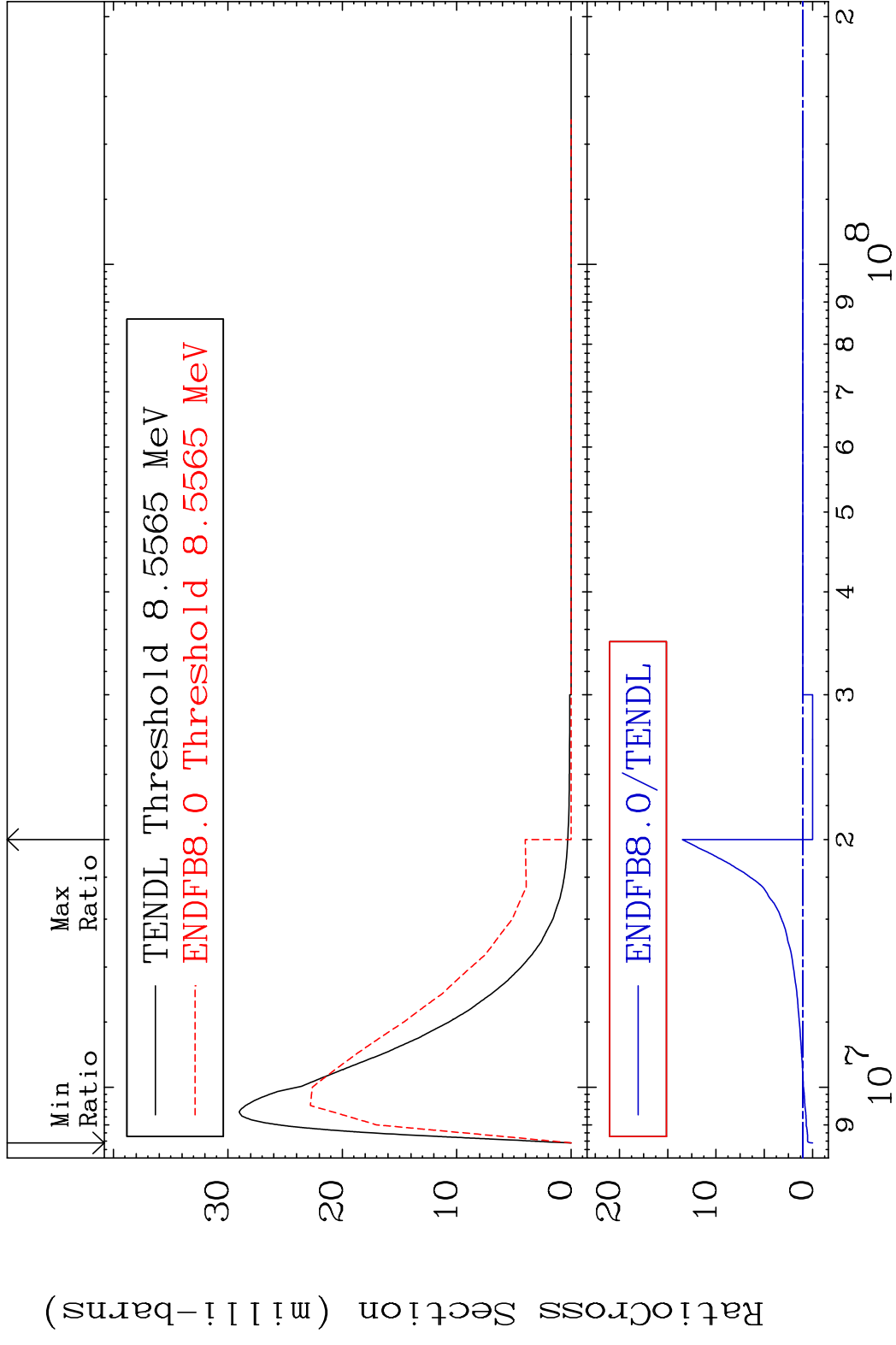


MAT 1425 MT= 61 (n,n') Level 14-Si-28
 Cross Section -100.0 To 1235. %



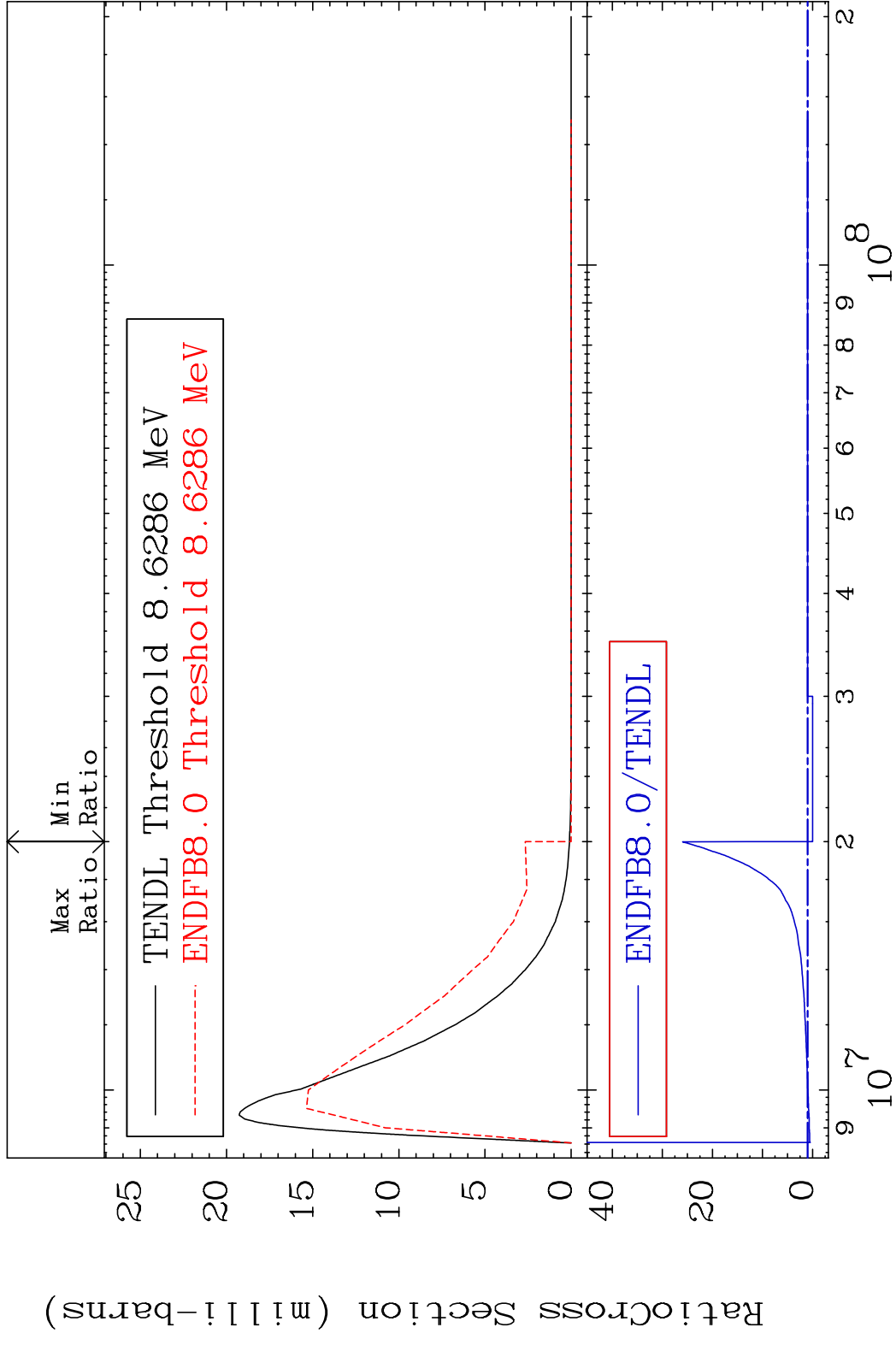
18 14-Si-28

MAT 1425 MT= 62 (n,n') Level 14-Si-28
 Cross Section -100.0 To 1248. %

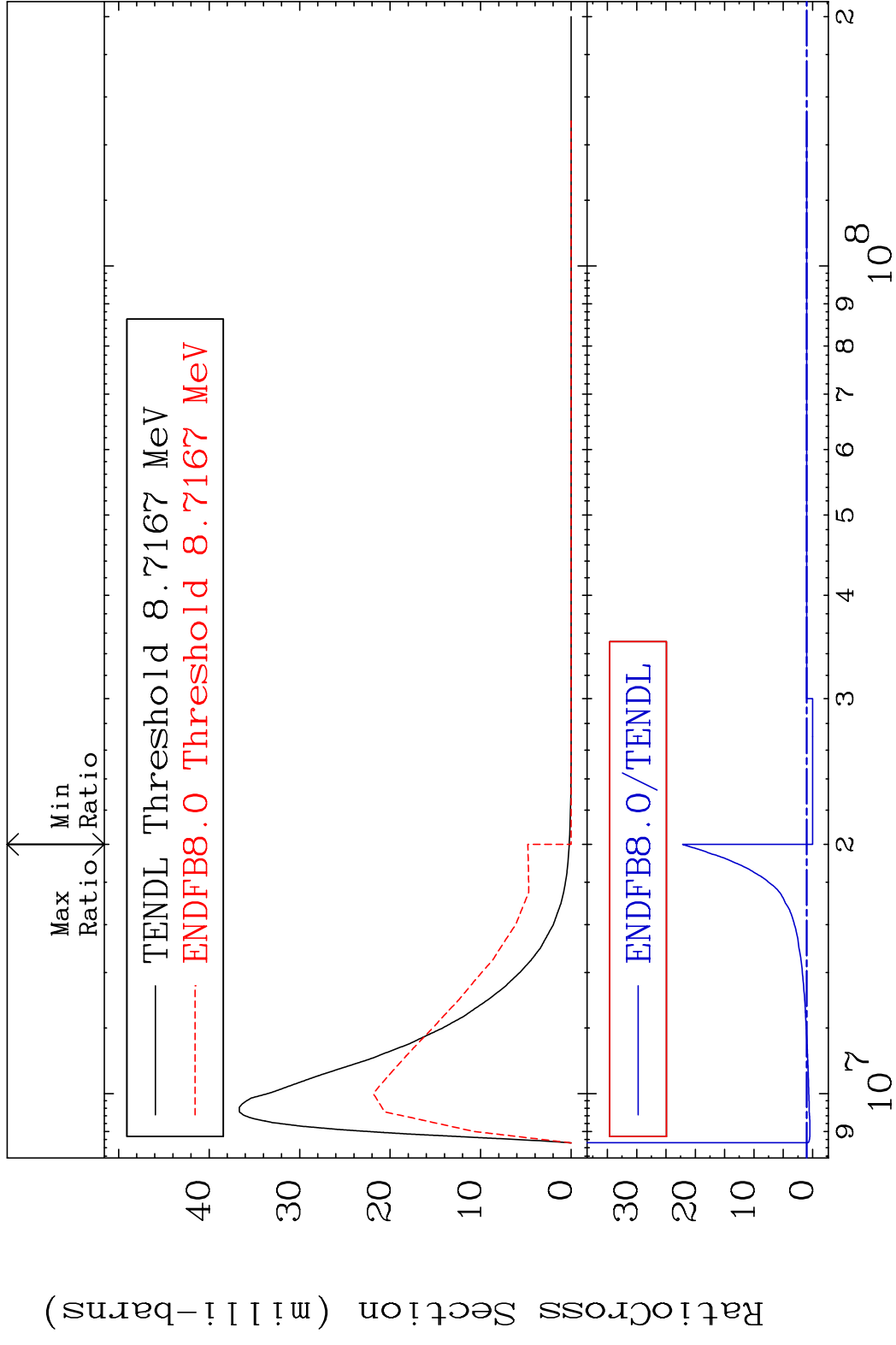


19 14-Si-28

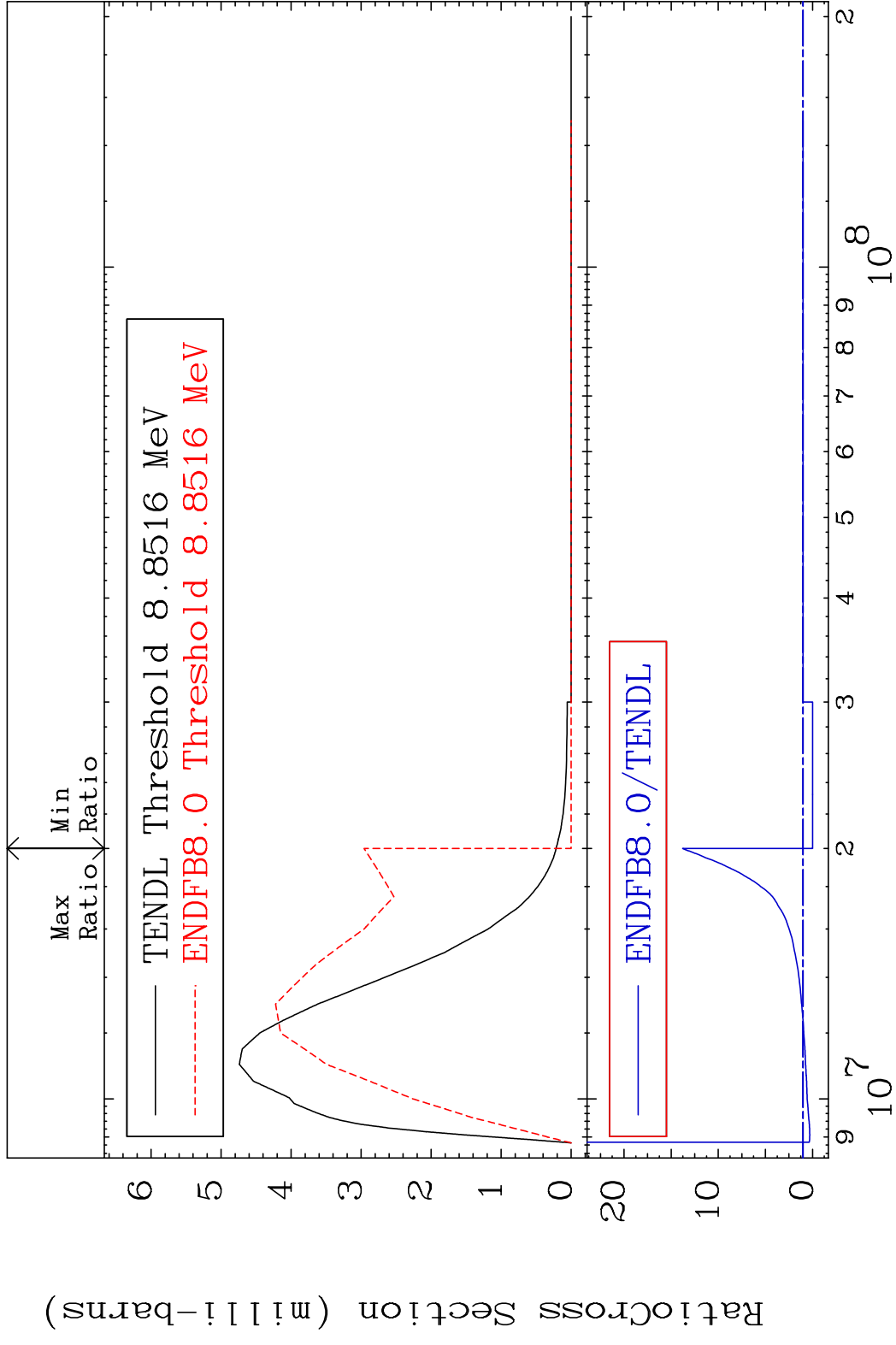
MAT 1425 MT= 63 (n, n') Level 14-Si-28
 Cross Section -100.0 To 2500. %



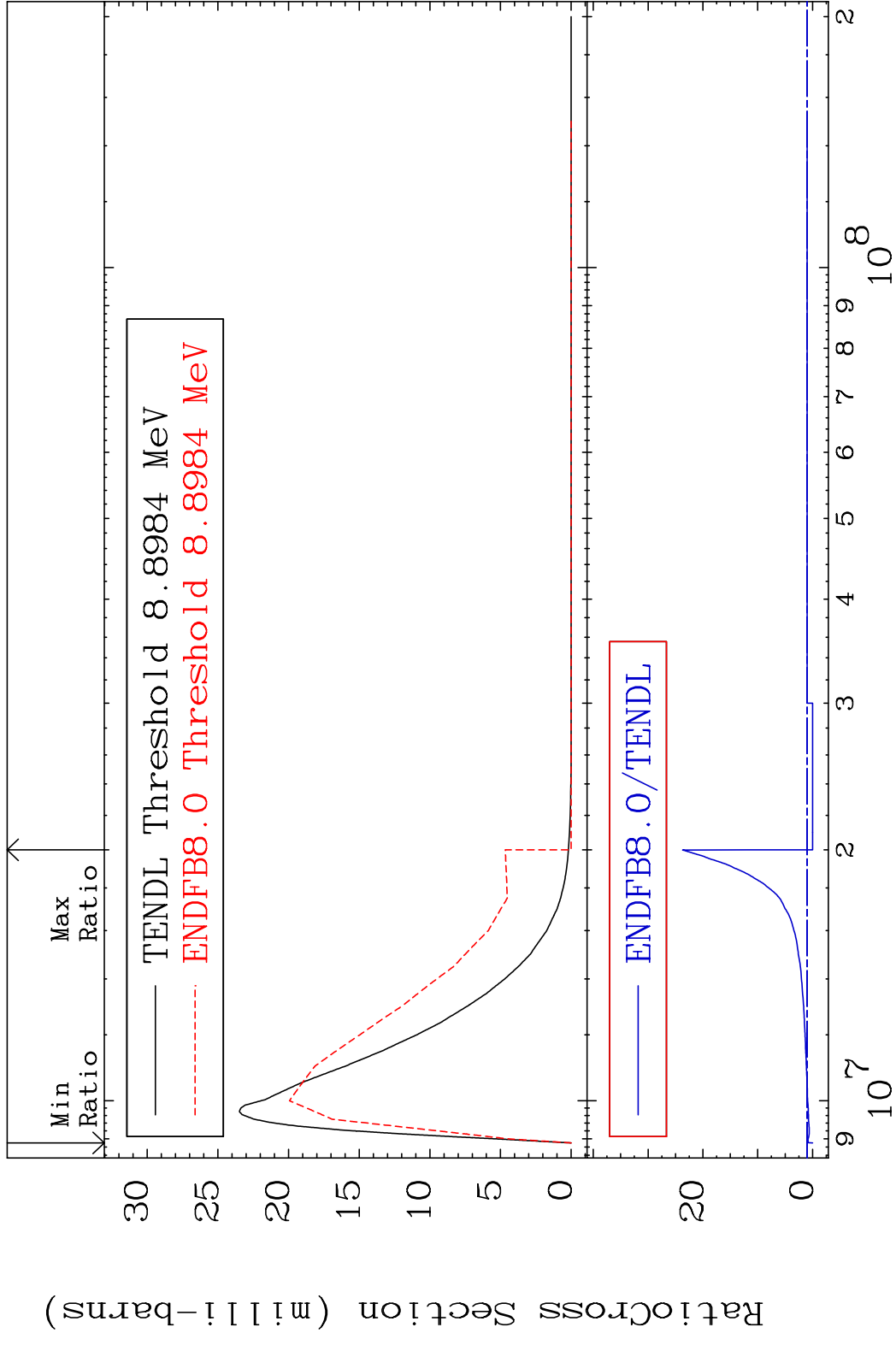
MAT 1425 MT= 64 (n,n') Level 14-Si-28
 Cross Section -100.0 To 2121. %



MAT 1425 MT= 65 (n,n') Level 14-Si-28
 Cross Section -100.0 To 1281. %

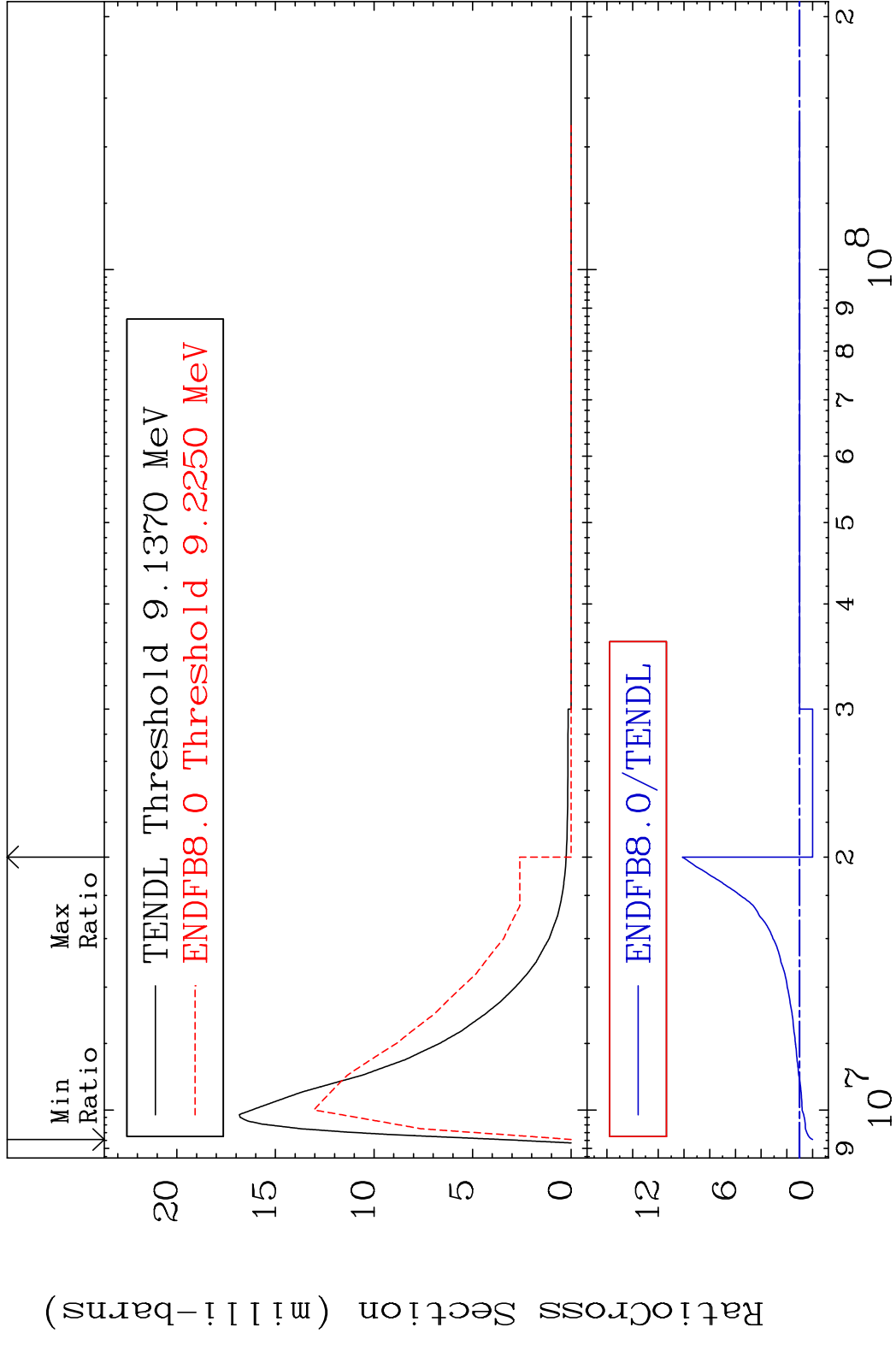


MAT 1425 MT= 66 (n,n') Level 14-Si-28
 Cross Section -100.0 To 2275. %



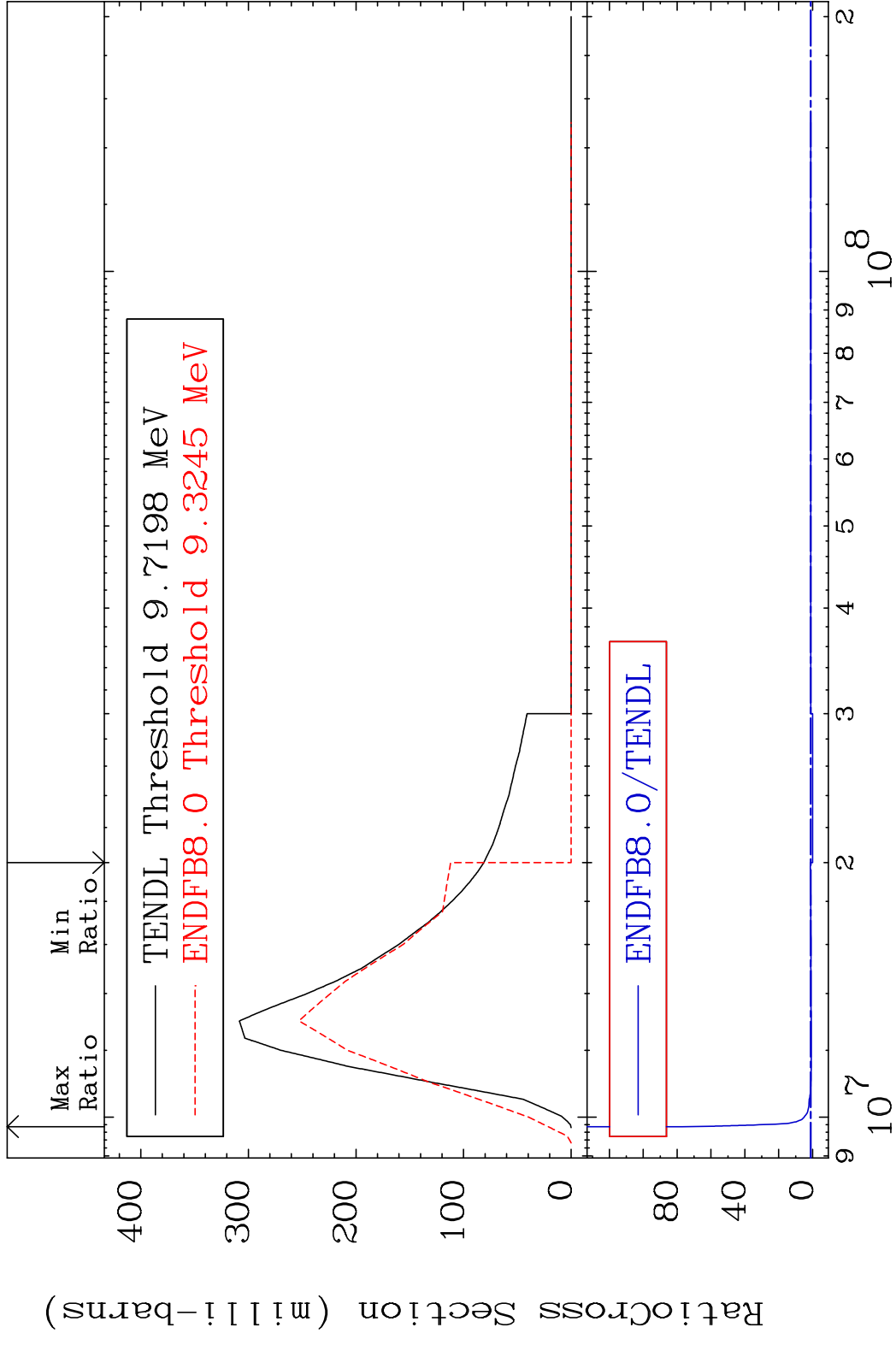
23 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 67 (n,n') Level 14-Si-28
 Cross Section -100.0 To 913.0 %



24 14-Si-28

MAT 1425 (n,n') Continuum 14-Si-28
 Cross Section -100.0 To 7591. %



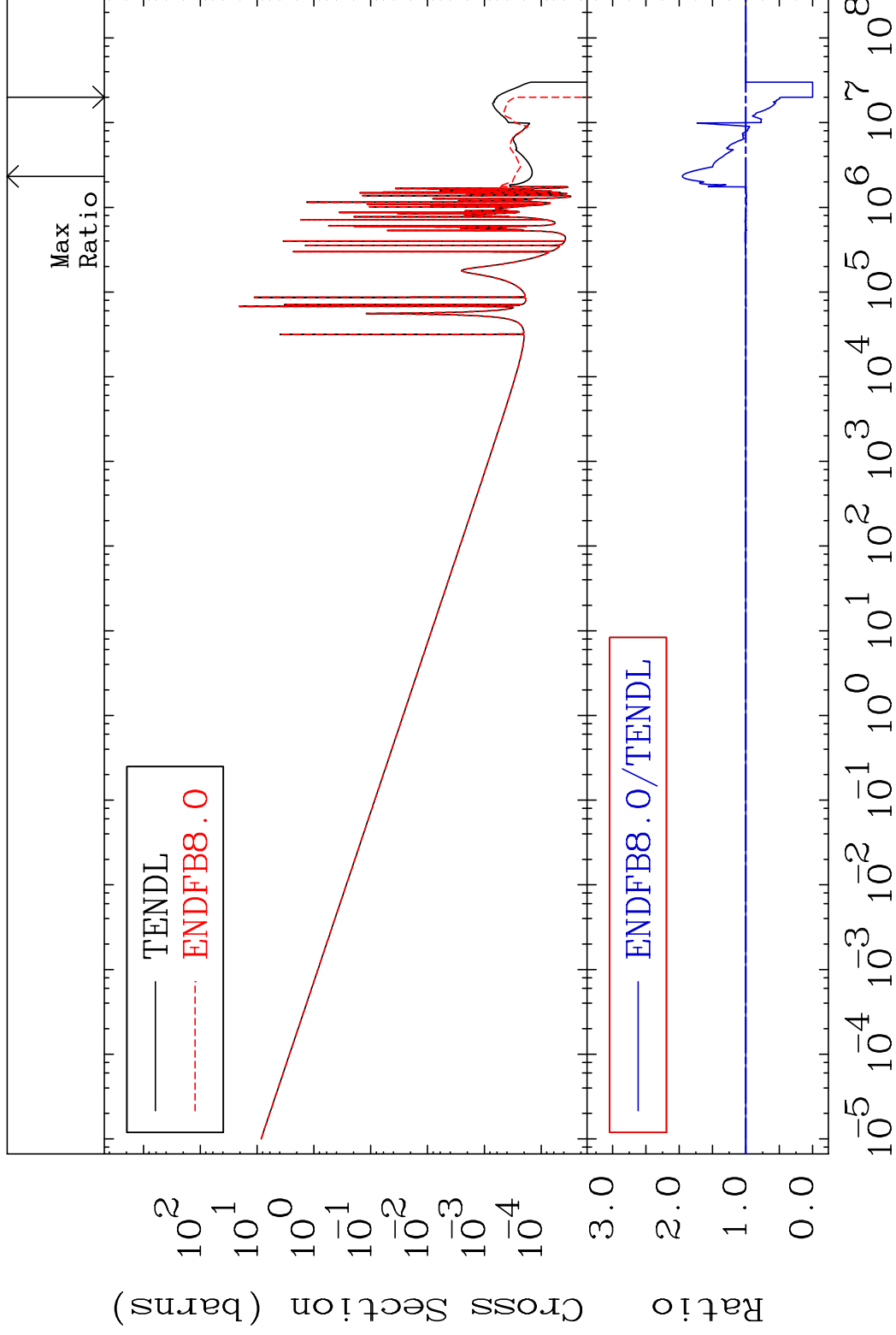
25 14-Si-28

MAT 1425

(n, γ)

14-Si-28

Cross Section -100.0 To 95.31 %

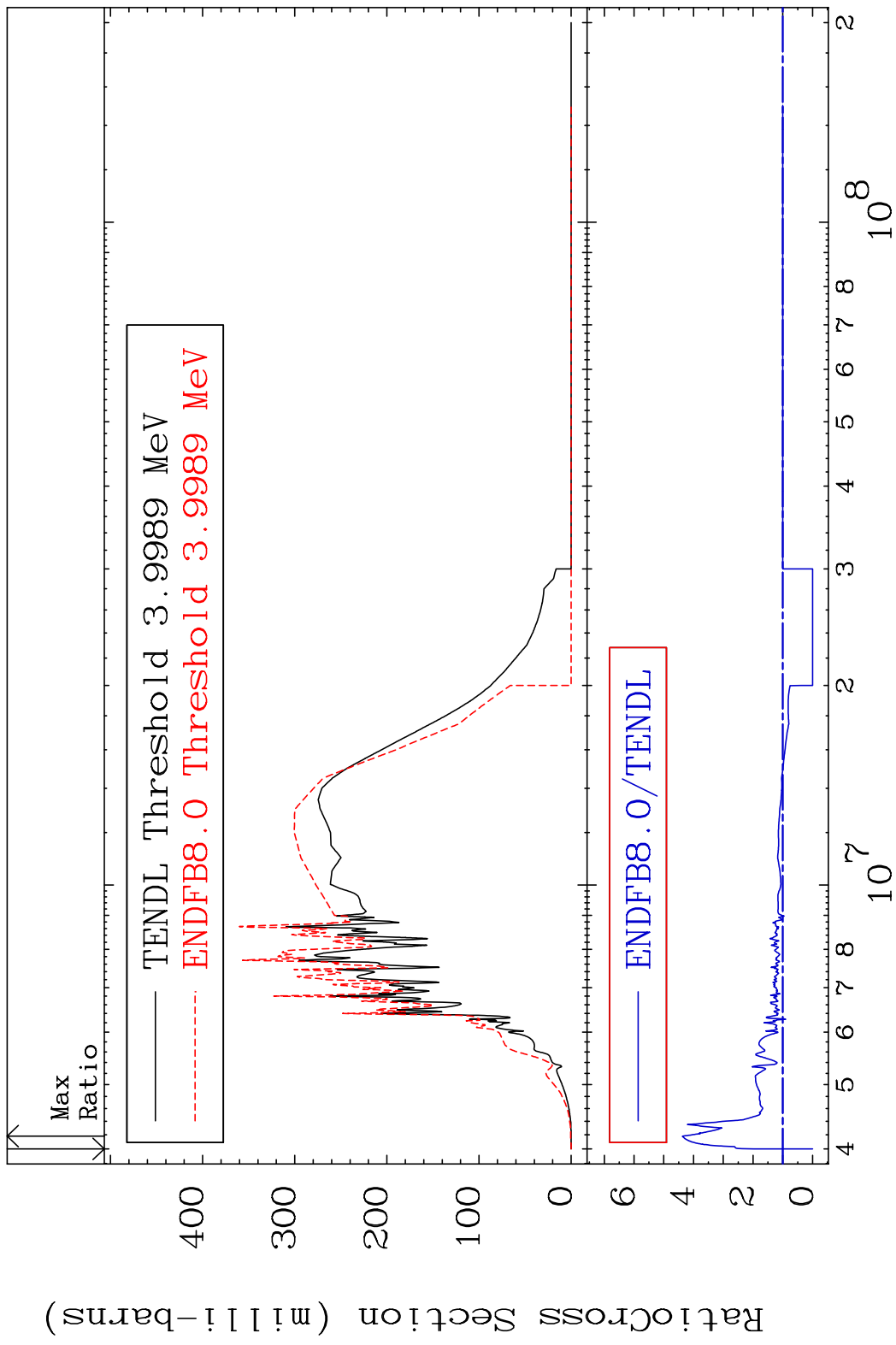


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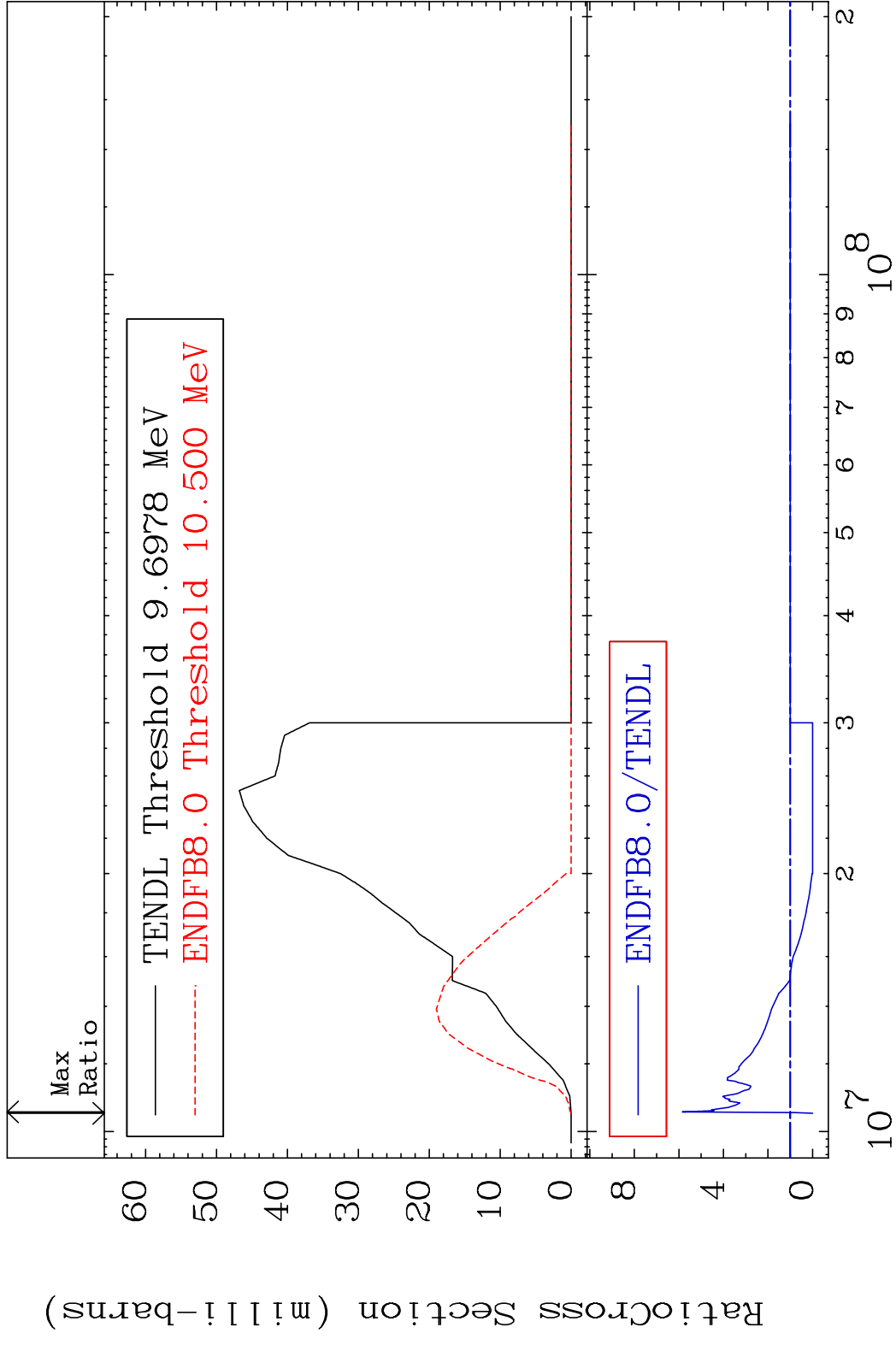
Incident Energy (eV)

14-Si-28

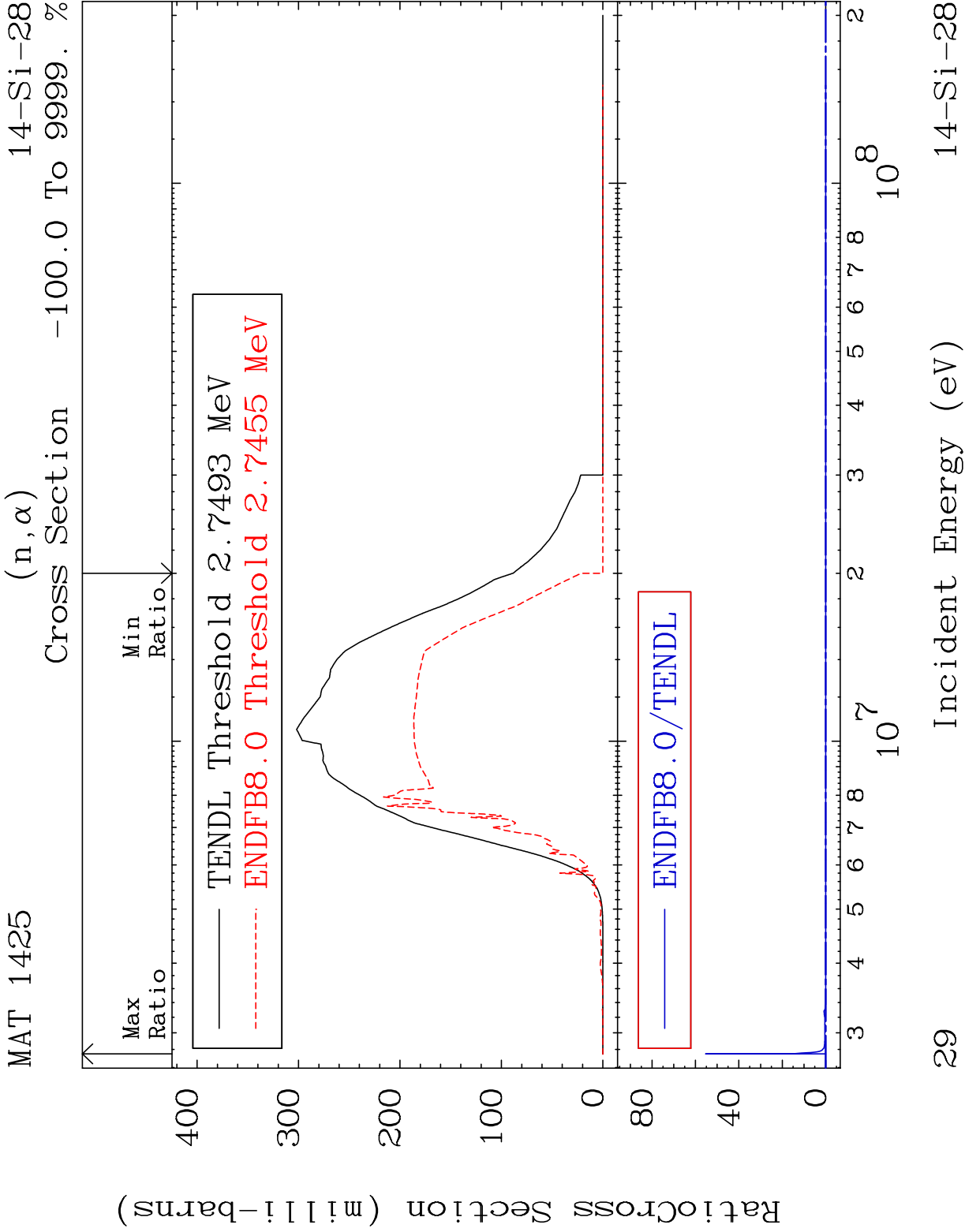
MAT 1425 (n,p) 14-Si-28
 Cross Section -100.0 To 337.6 %



MAT 1425 (n,d) 14-Si-28
 Cross Section -100.0 To 484.5 %



28 Incident Energy (eV) 14-Si-28

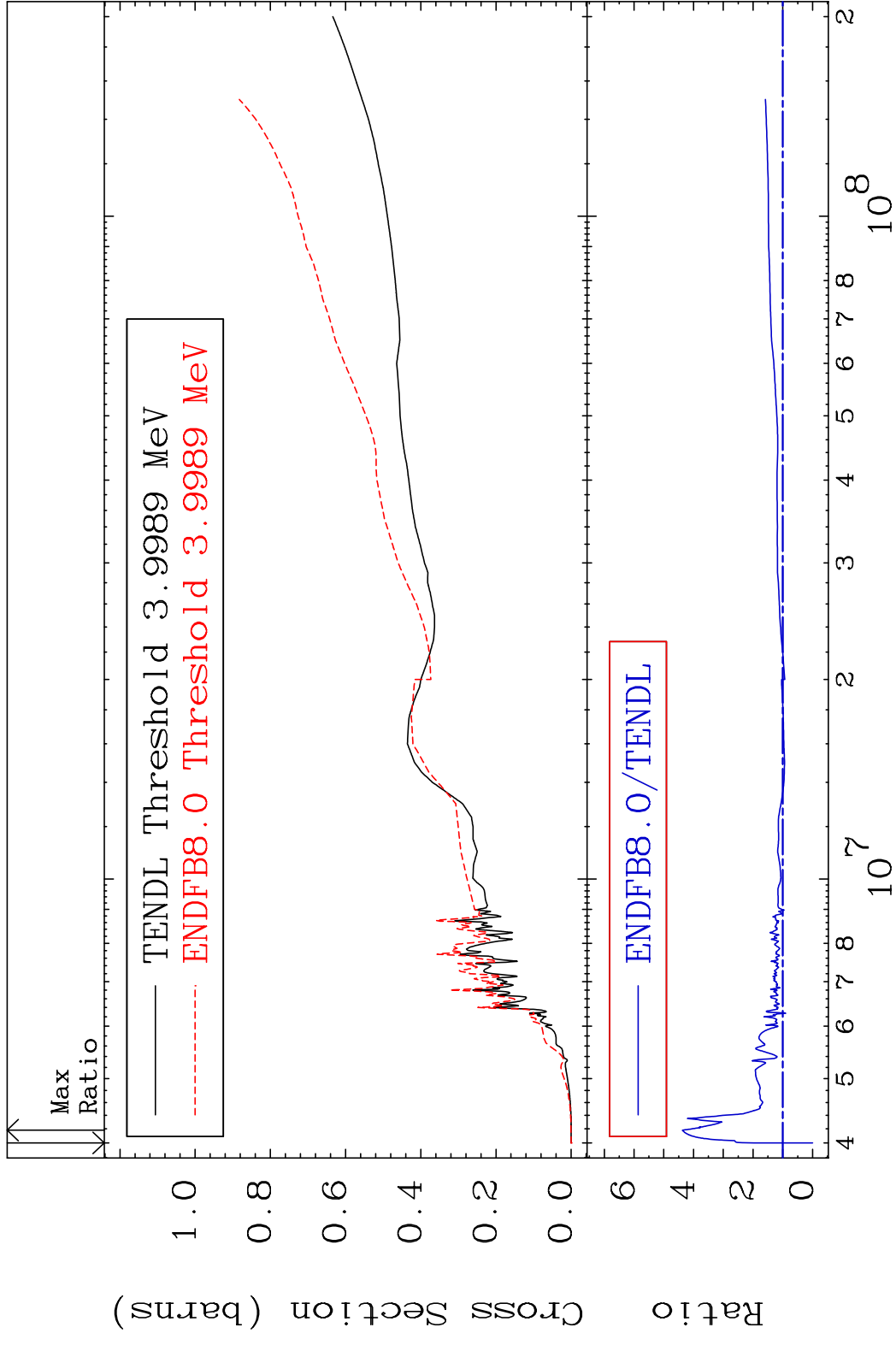


MAT 1425

Hydrogen Production

¹⁴Si-28

Cross Section -100.0 To 337.6 %

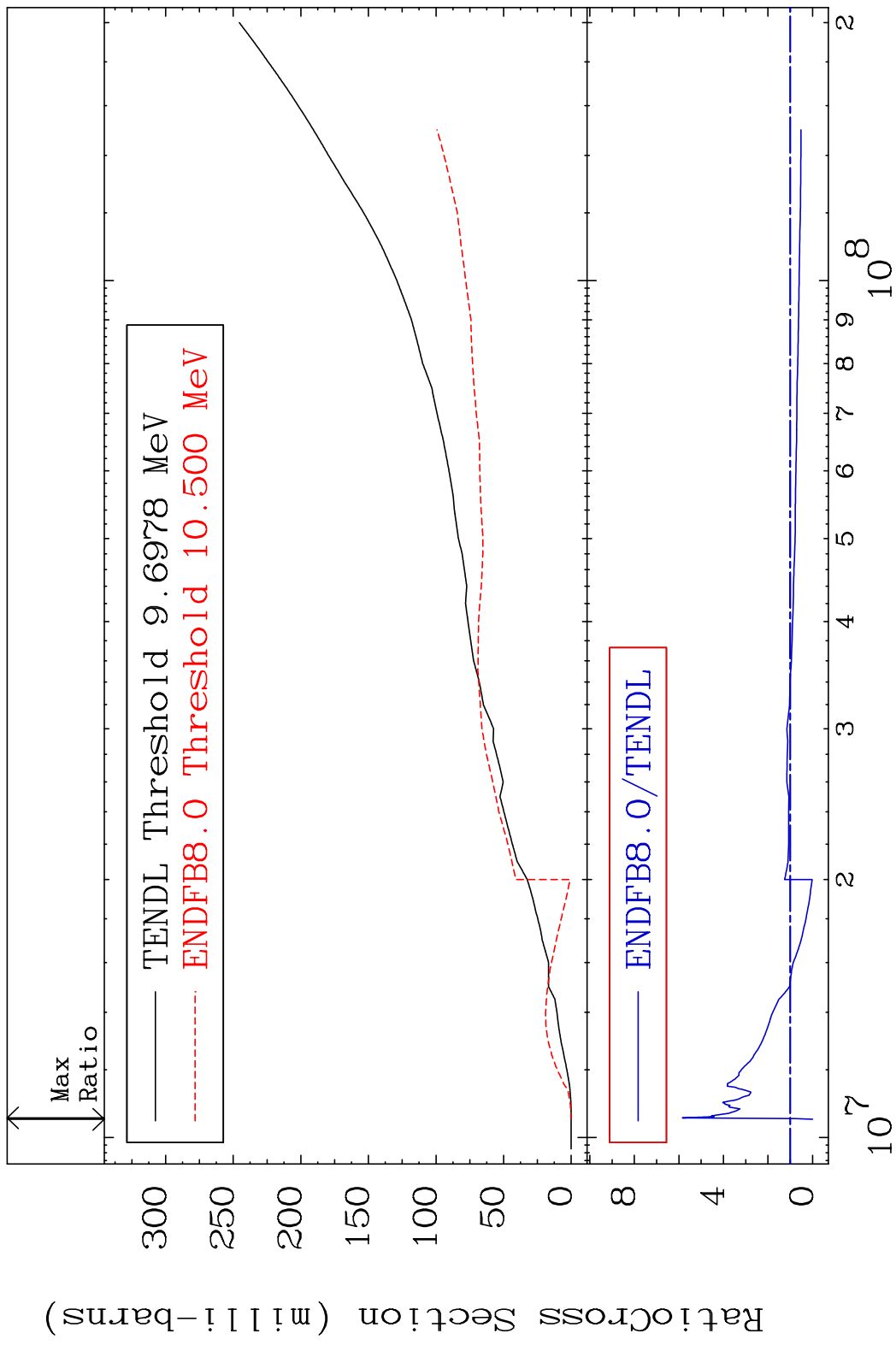


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Incident Energy (eV)

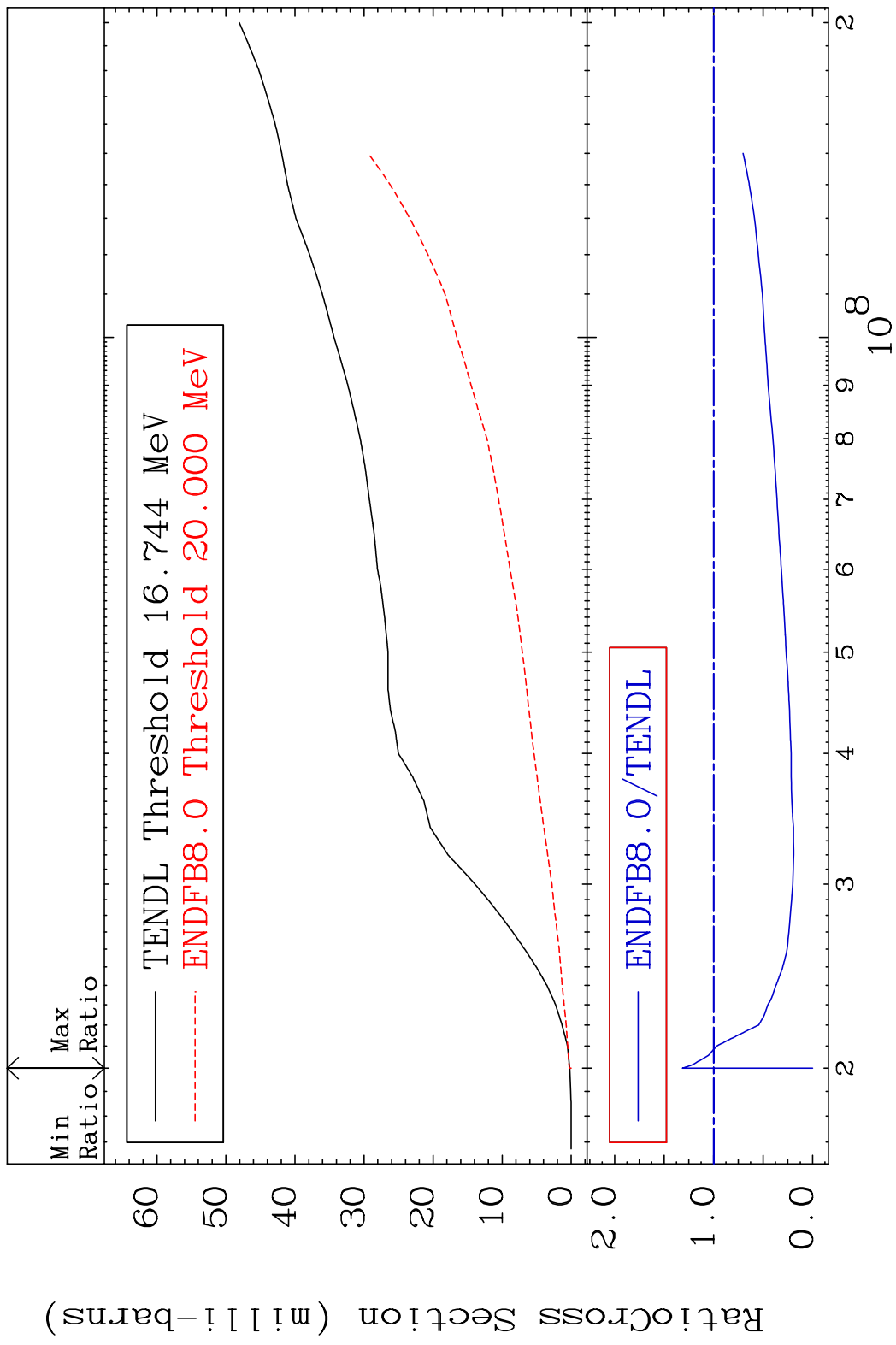
¹⁴Si-28

MAT 1425 Deuterium Production 14-Si-28
 Cross Section -100.0 To 484.5 %



31 14-Si-28

MAT 1425 Tritium Production 14-Si-28
 Cross Section -100.0 To 31.52 %

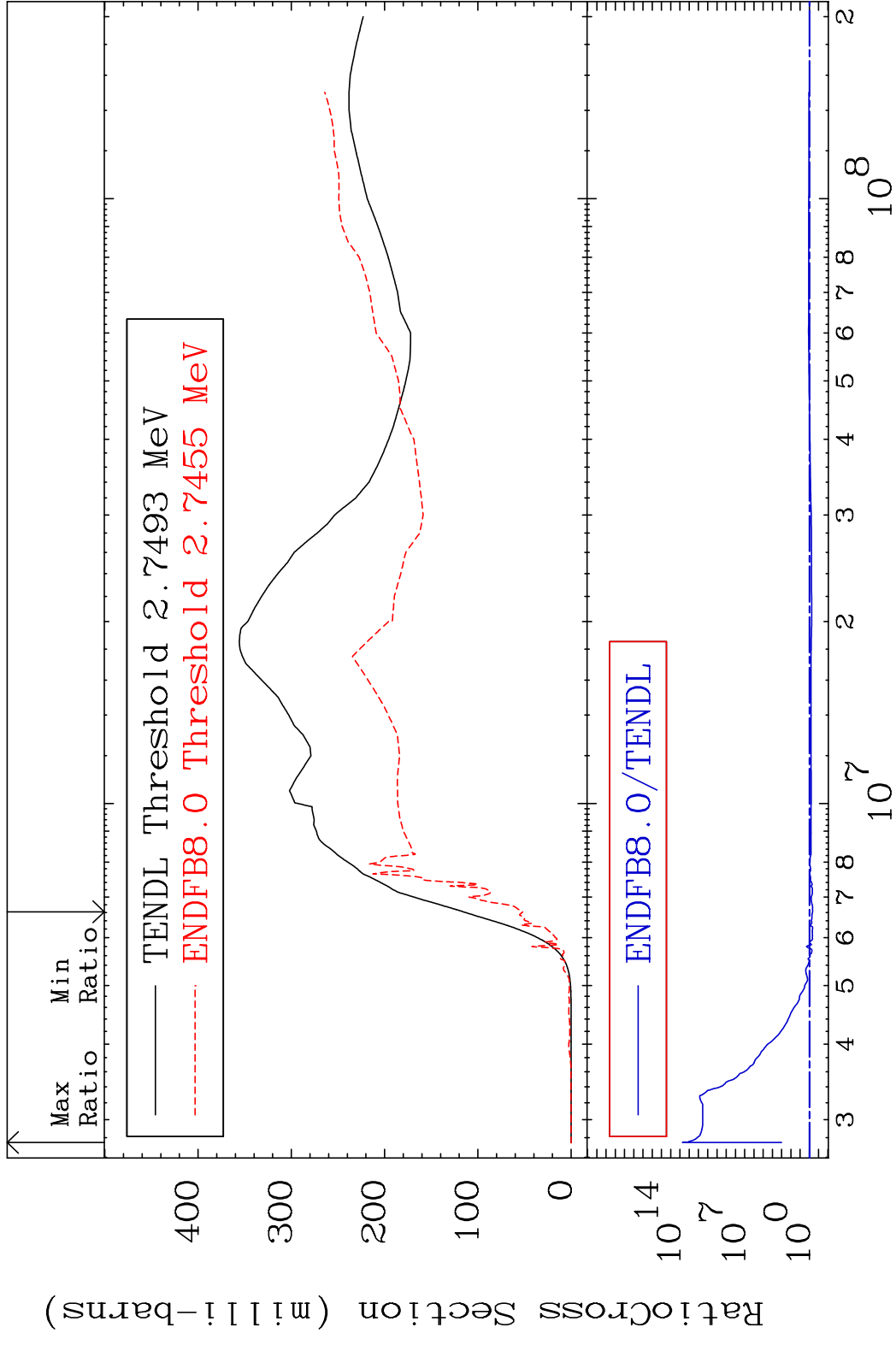


MAT 1425

He-4 Production

14-Si-28

Cross Section -55.10 To 9999. %

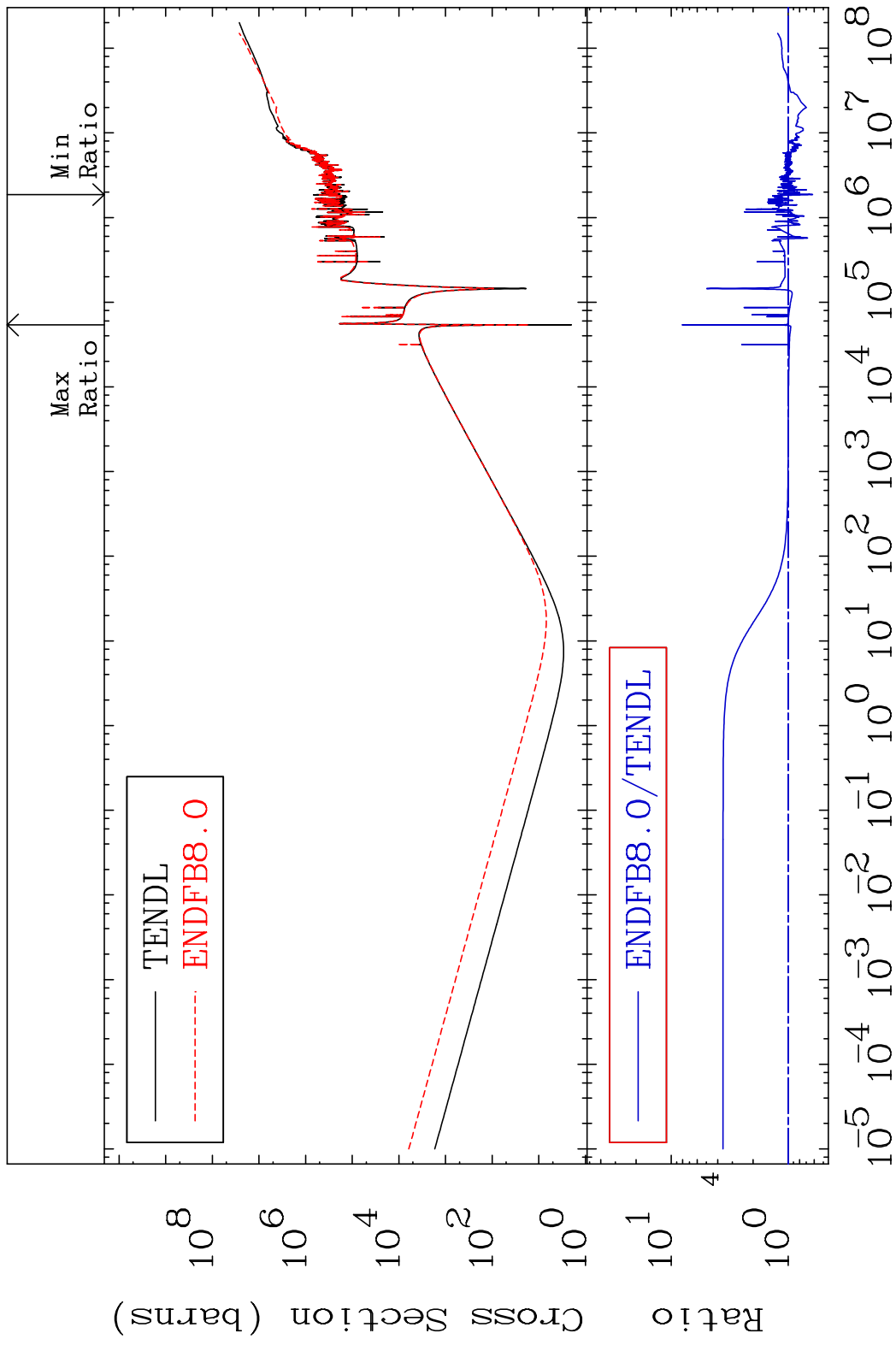


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Incident Energy (eV)

14-Si-28

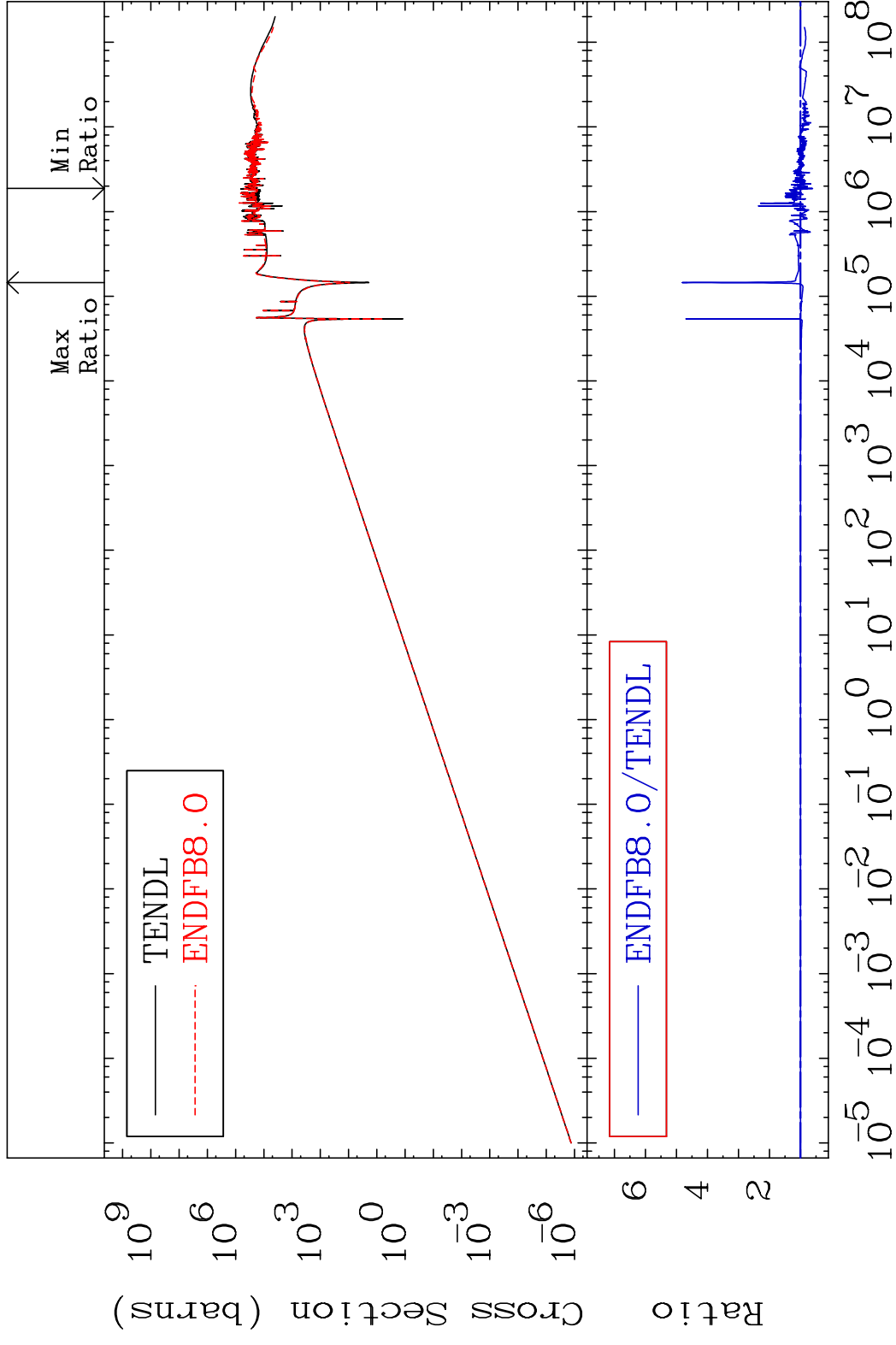
MAT 1425 Kerma total (eV-barns) 14-Si-28
 Cross Section -38.11 To 703.4 %



MAT 1425

Kerma elastic
Cross Section -38.58 To 381.3 %

14-Si-28

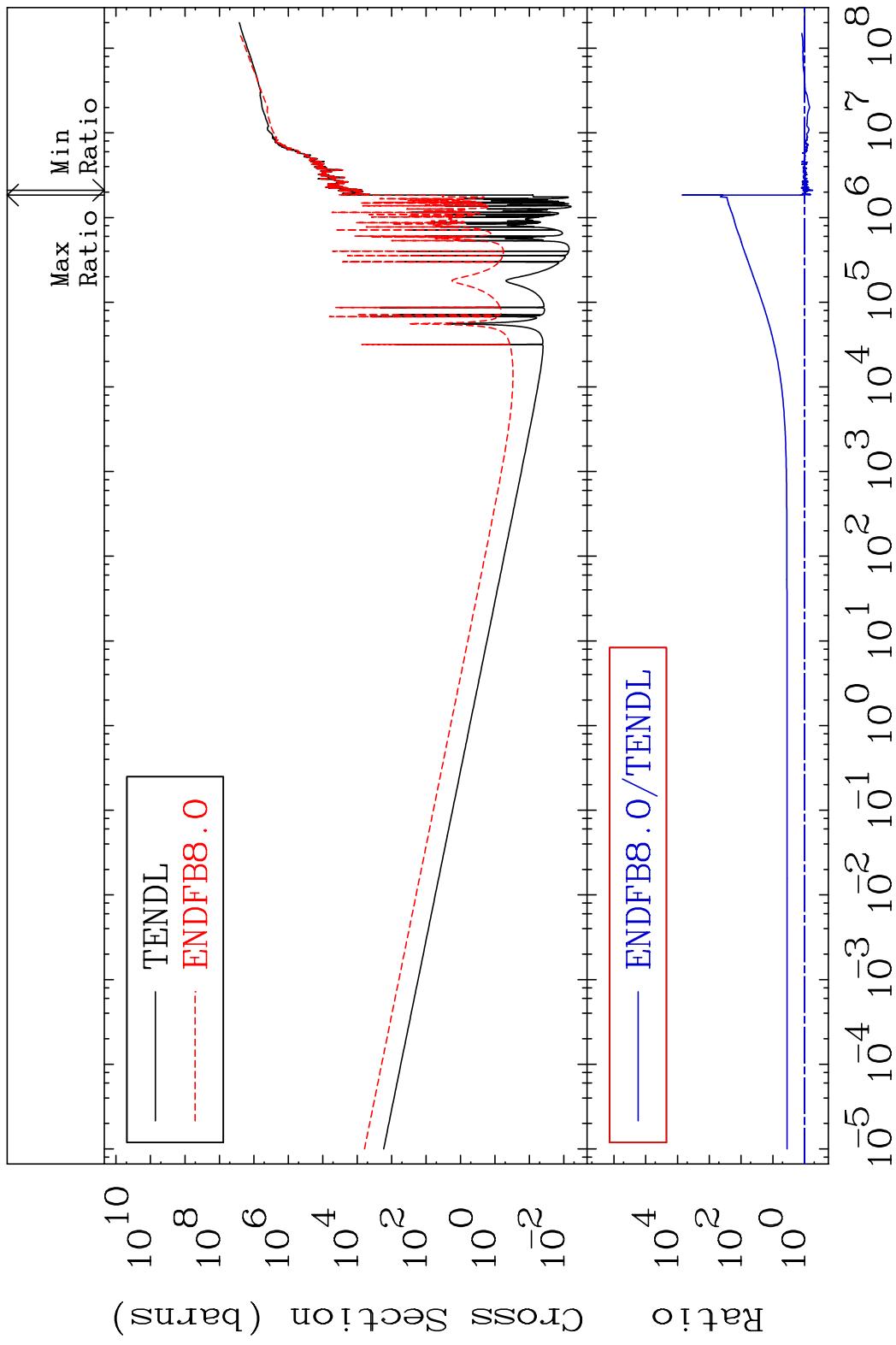


35

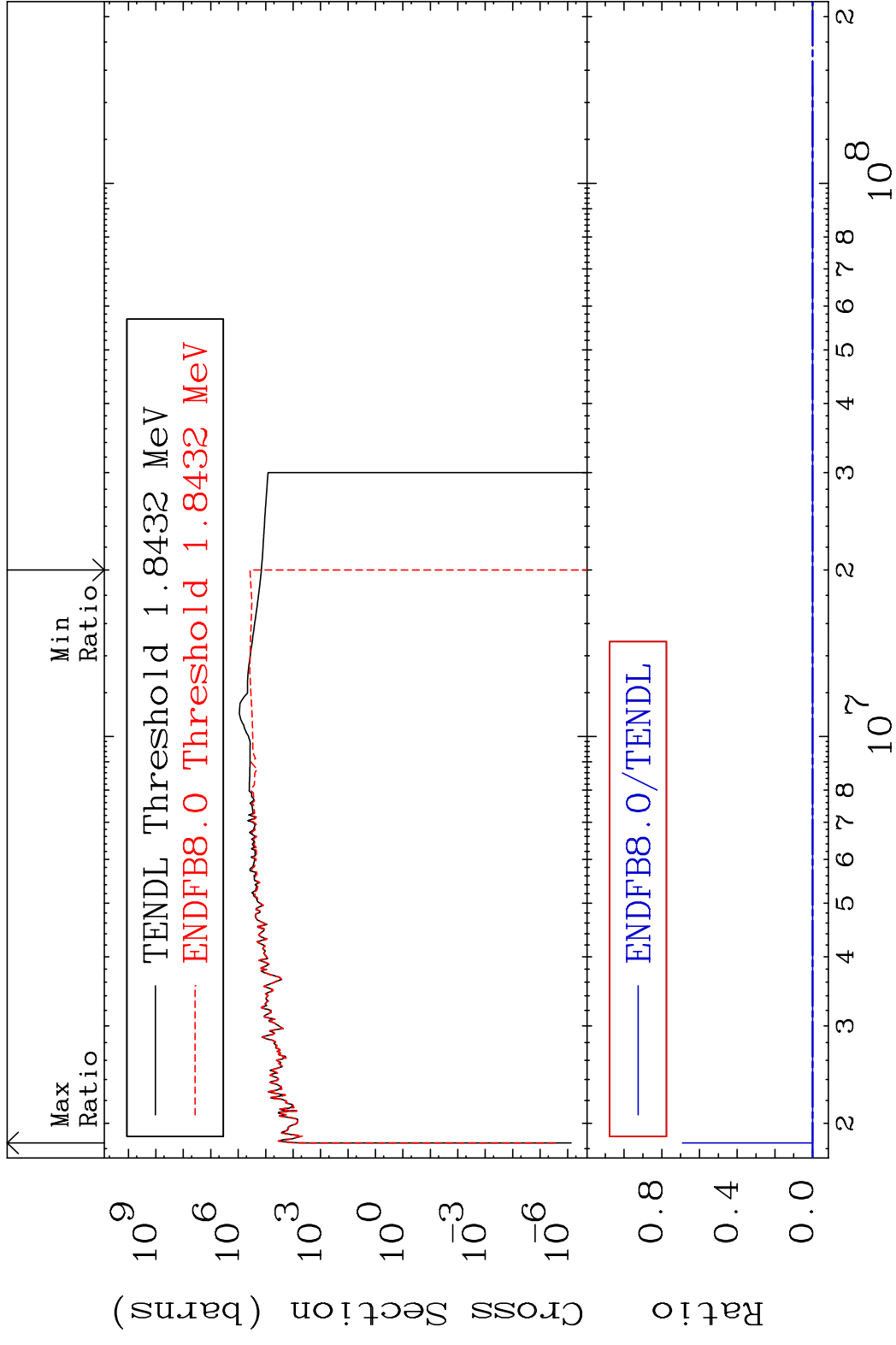
Incident Energy (eV)

14-Si-28

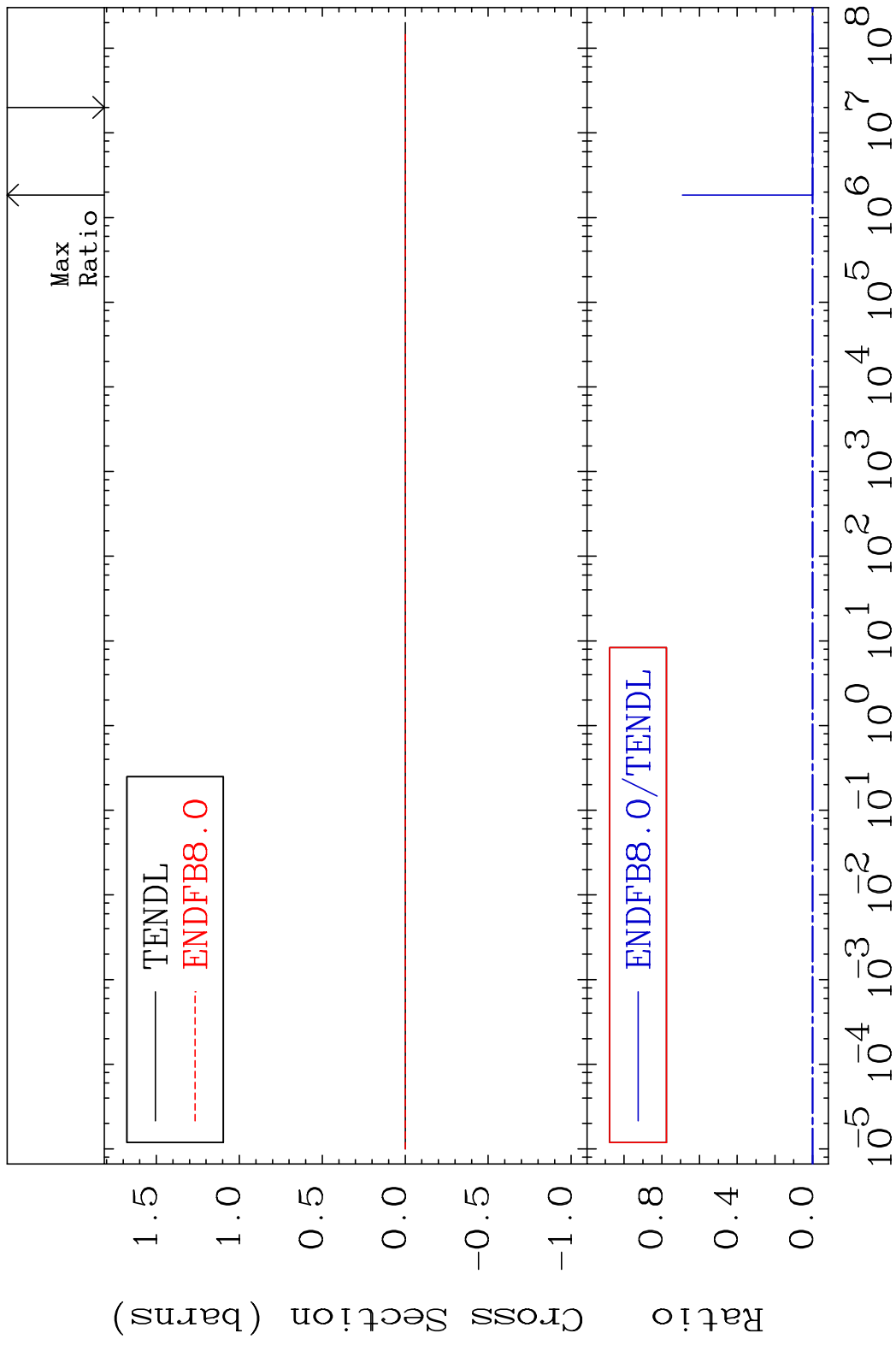
MAT 1425 Kerma non-elastic (all but mt2) 14-Si-28
 Cross Section -43.50 To 9999. %



MAT 1425 Kerma inelastic (mt51-91) 14-Si-28
 Cross Section -100.0 To 9999. %

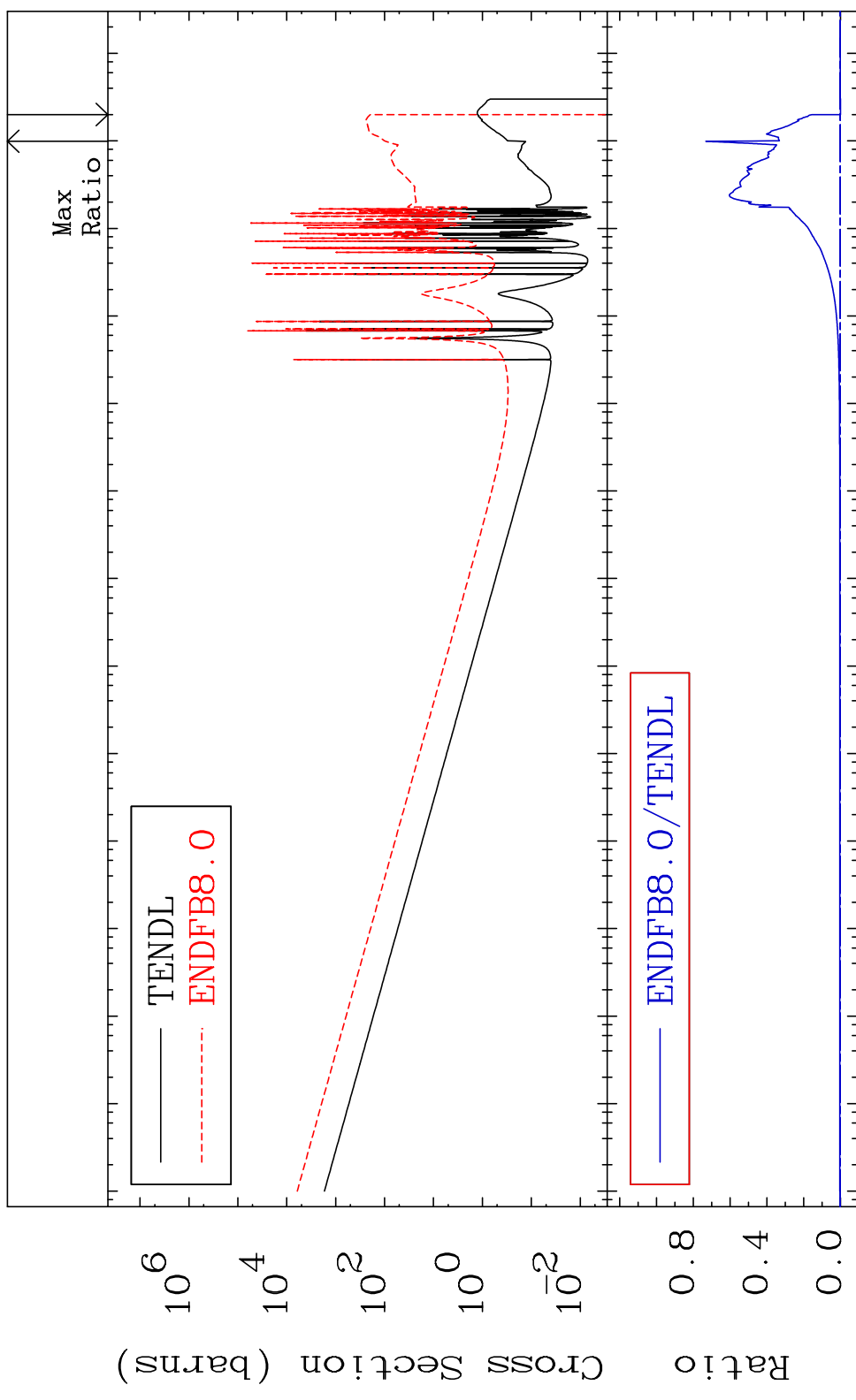


MAT 1425 Kerma fission (mt18 or mt19-20-21-38) 14-Si-28
 Cross Section -100.0 To 9999. %



MAT 1425

Kerma capture (mt102) 14-Si-28
Cross Section -100.0 To 9999. %



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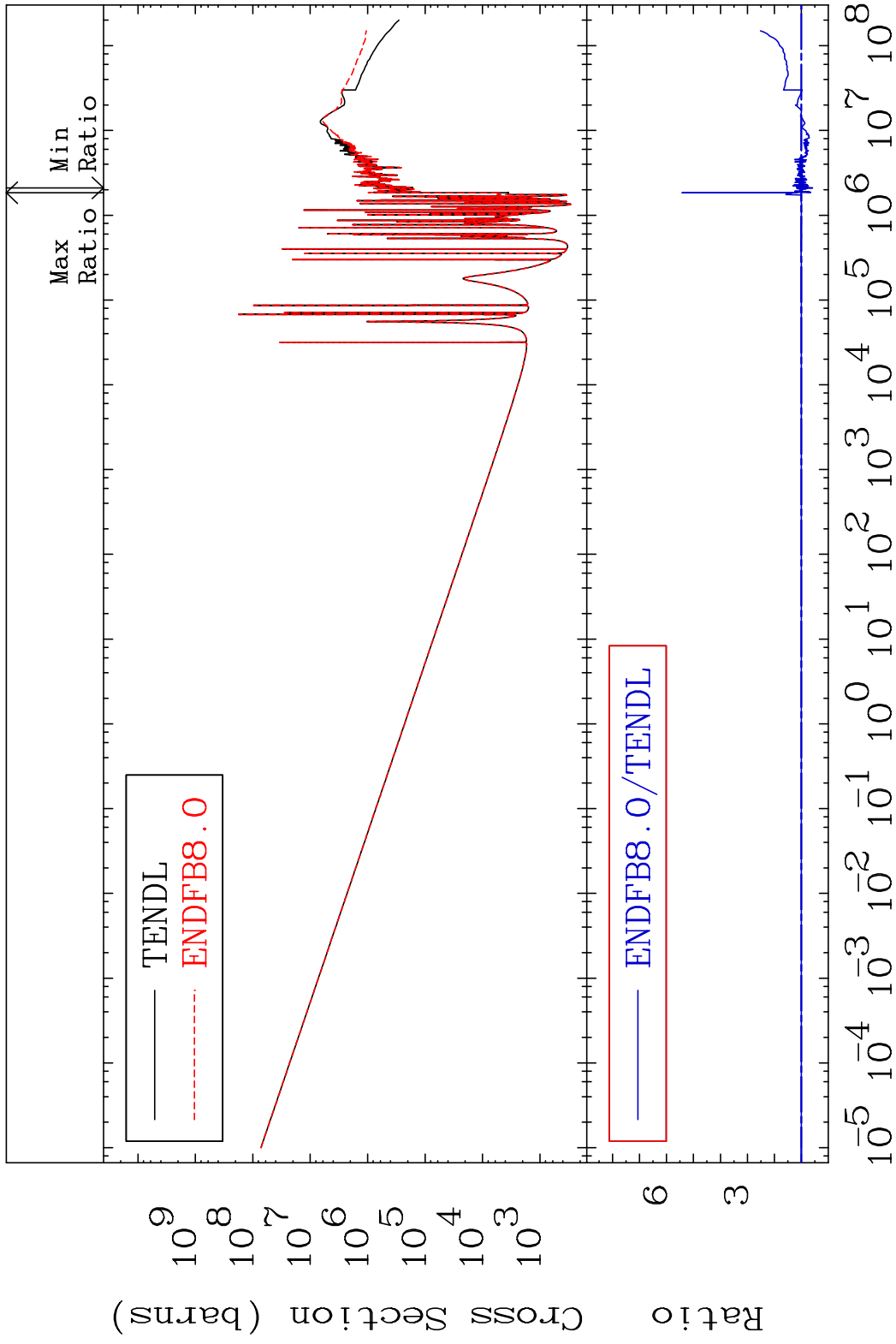
Incident Energy (eV) 14-Si-28

MAT 1425

Total photon (eV-barns)

14-Si-28

Cross Section -41.07 To 441.8 %

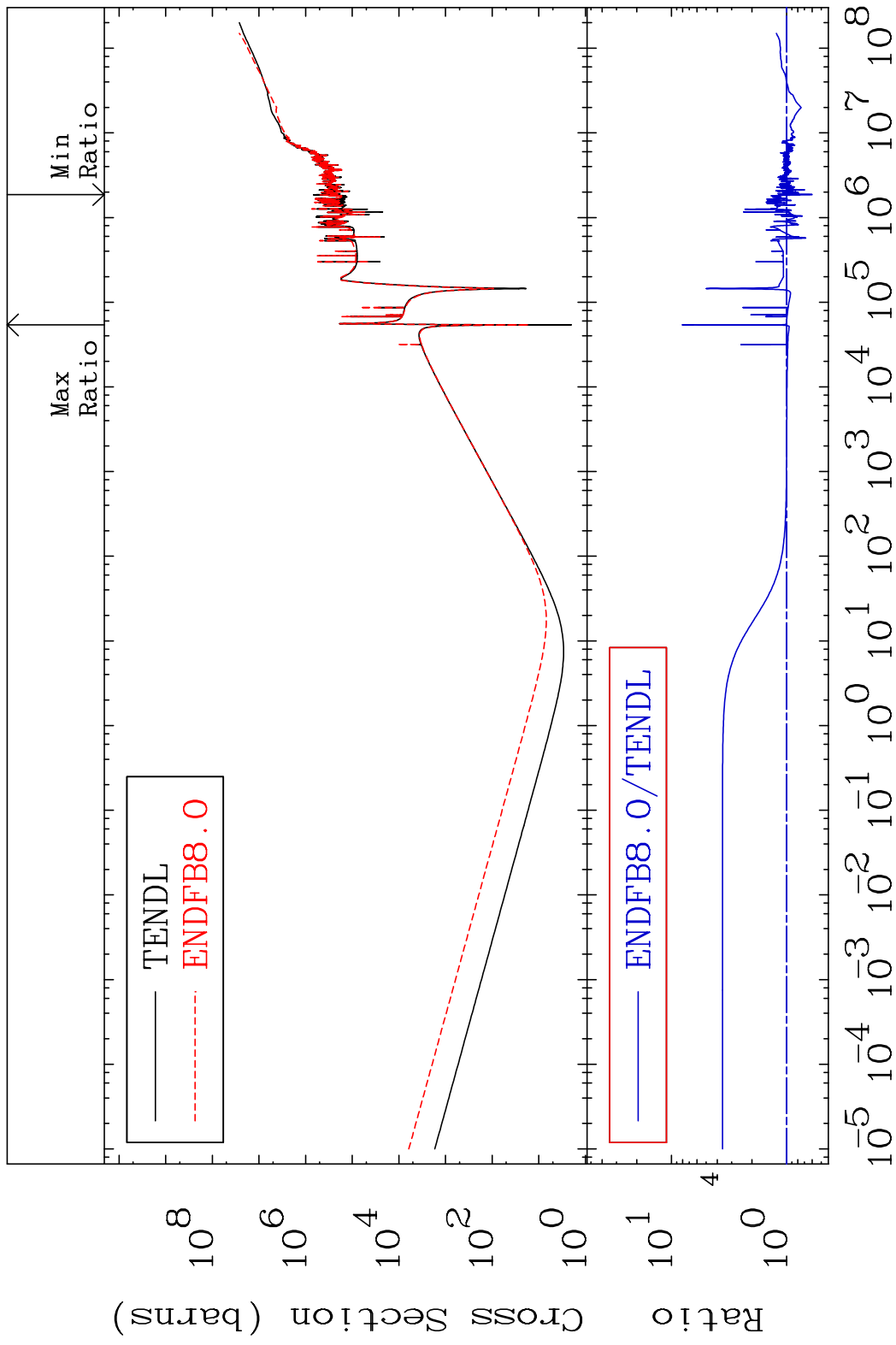


40

Incident Energy (eV)

14-Si-28

MAT 1425 Total kinematic kerma (high limit) 14-Si-28
 Cross Section -40.46 To 703.4 %

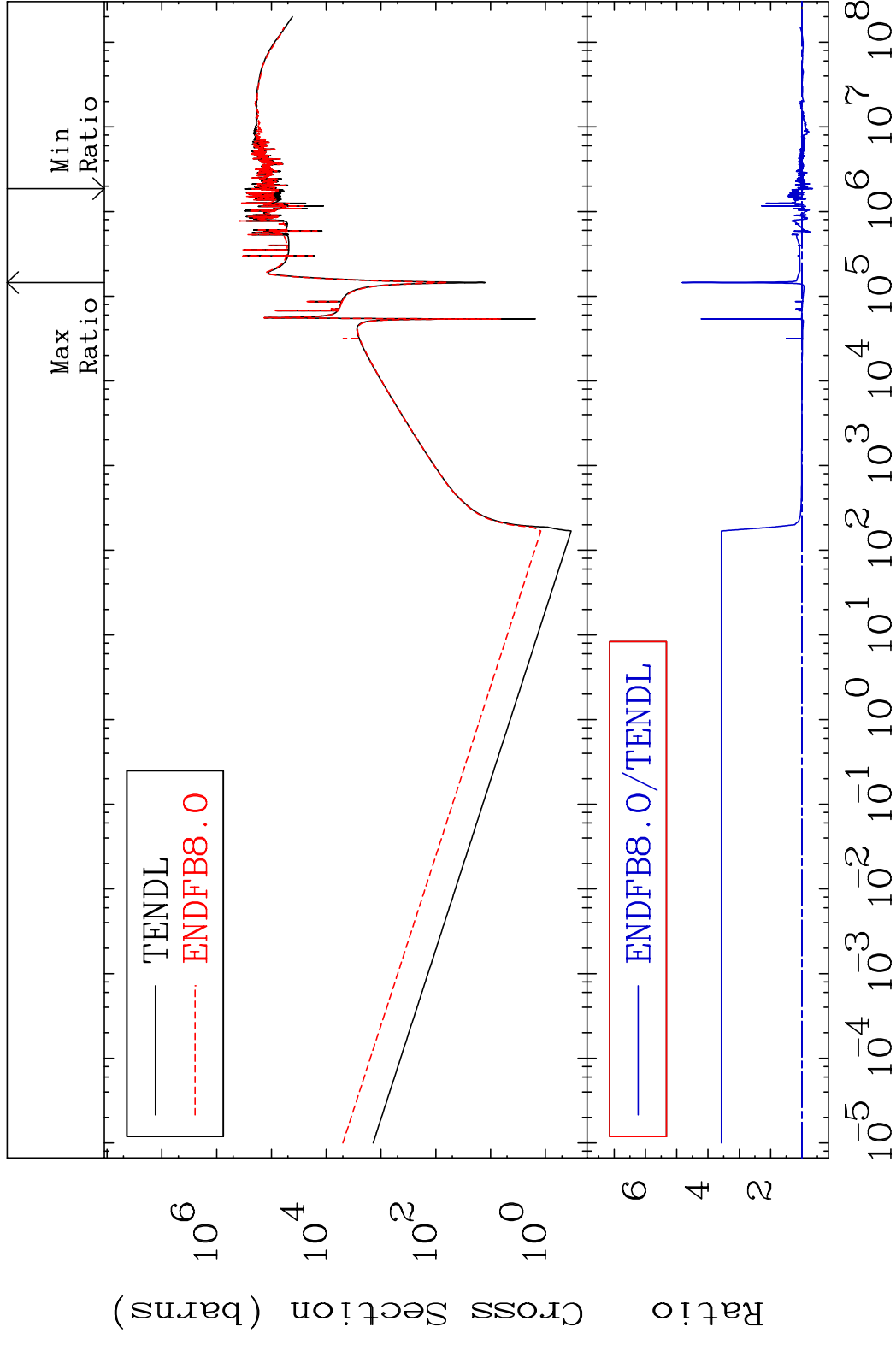


MAT 1425

Dpa total (eV-barns)

14-Si-28

Cross Section -34.44 To 382.2 %



42

Incident Energy (eV)

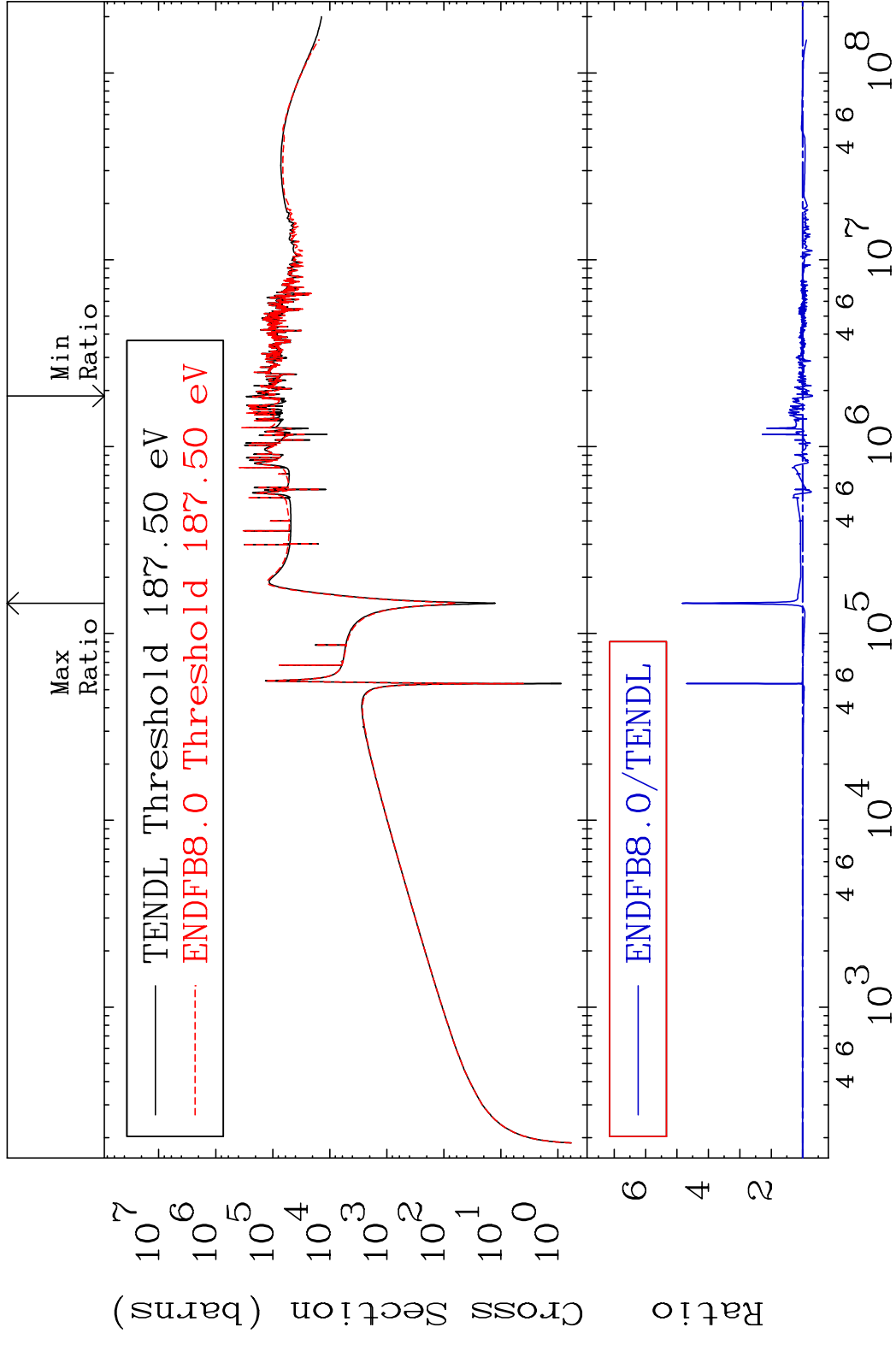
14-Si-28

MAT 1425

Dpa elastic (mt2)

14-Si-28

Cross Section -31.57 To 383.0 %

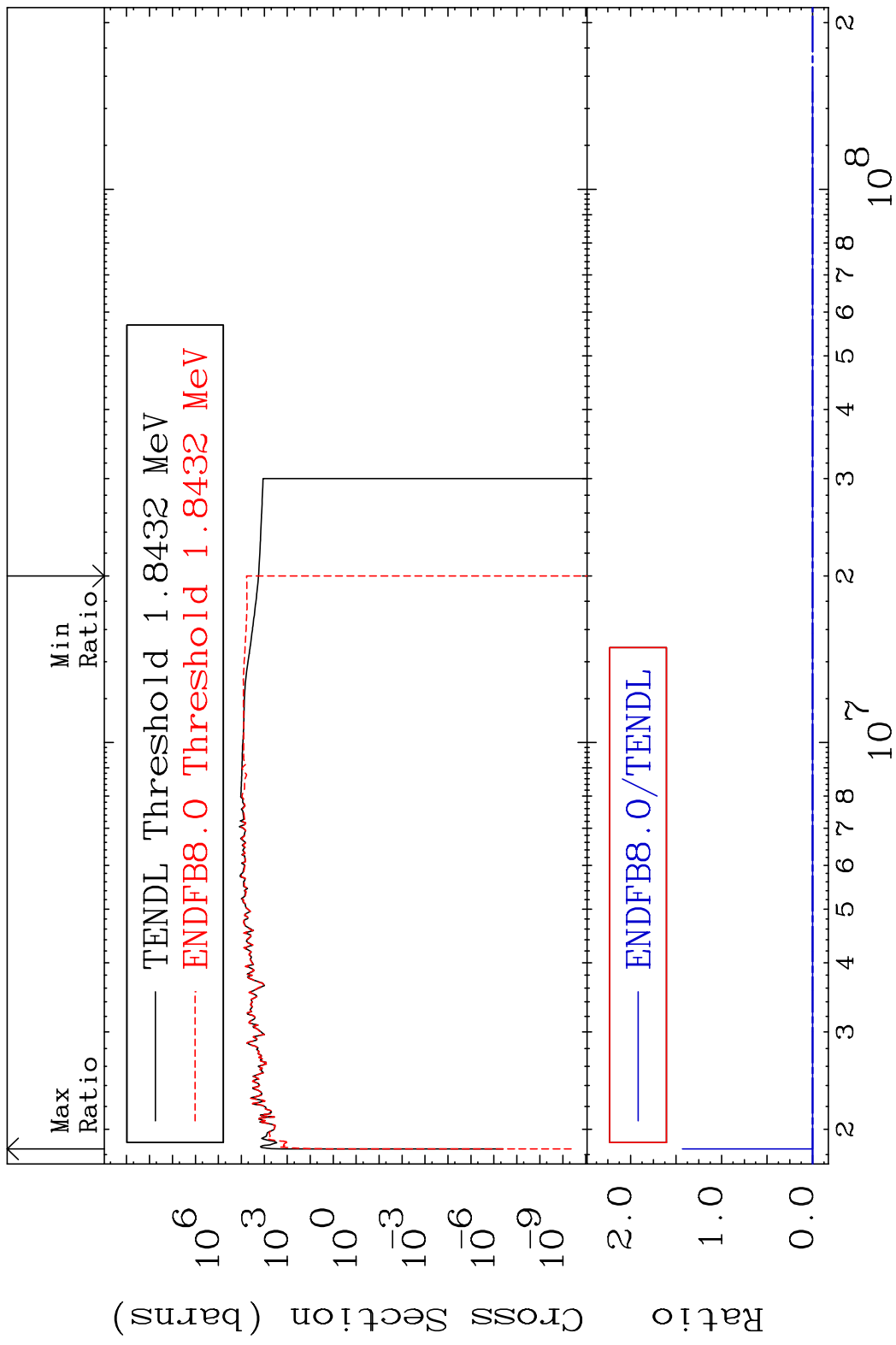


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Incident Energy (eV)

14-Si-28

MAT 1425 Dpa inelastic (mt51-91) 14-Si-28
 Cross Section -100.0 To 9999. %



44 Incident Energy (eV) 14-Si-28

MAT 1425 Dpa disappearance (mt102 -120) 14-Si-28
Cross Section -100.0 To 9999. %

