

Program Complot
(Version 2021-1)

by

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Press Mouse Button to Start

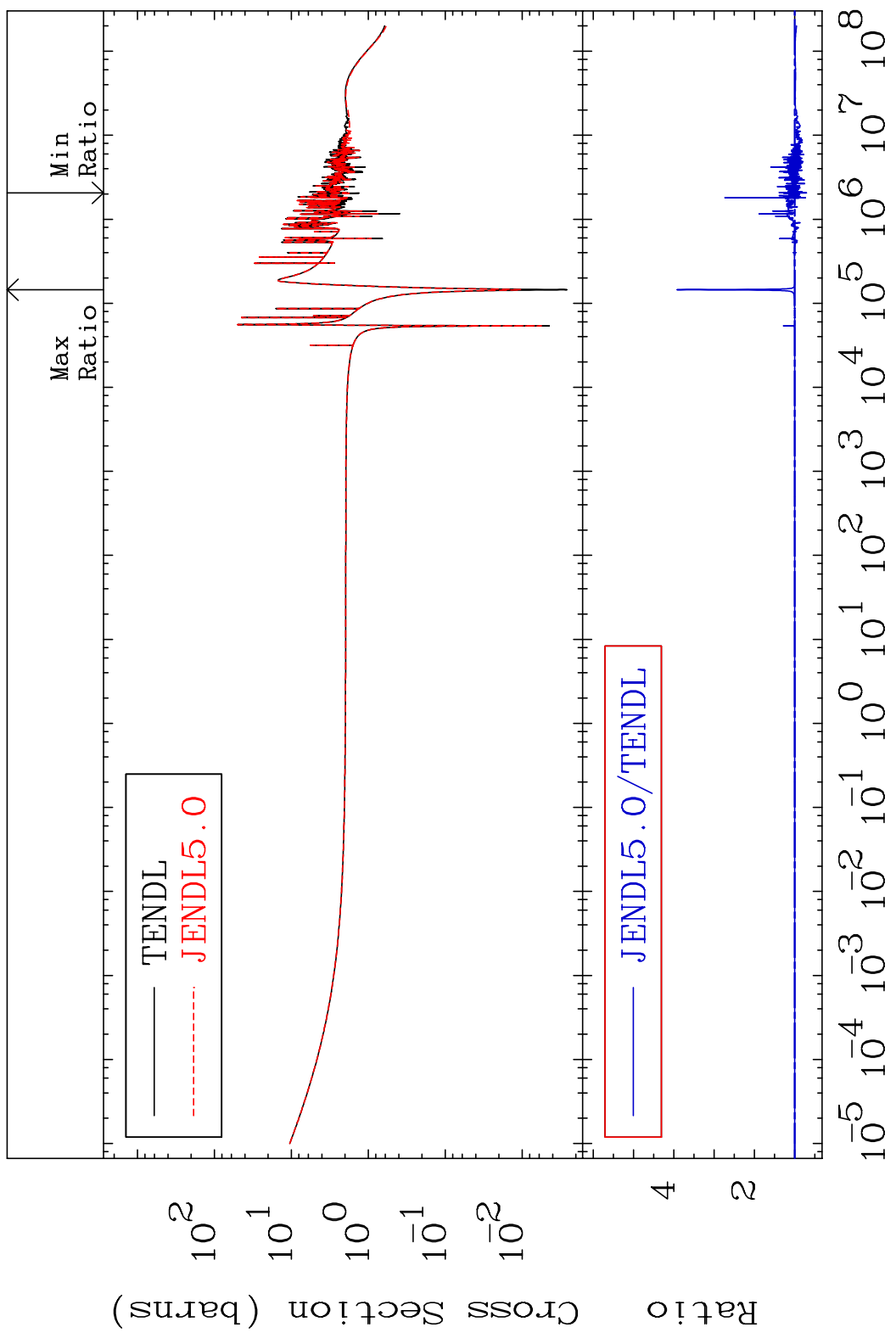
MAT 1425

Total

14-Si-28

Cross Section

-29.08 To 291.8 %



1

Incident Energy (eV)

14-Si-28

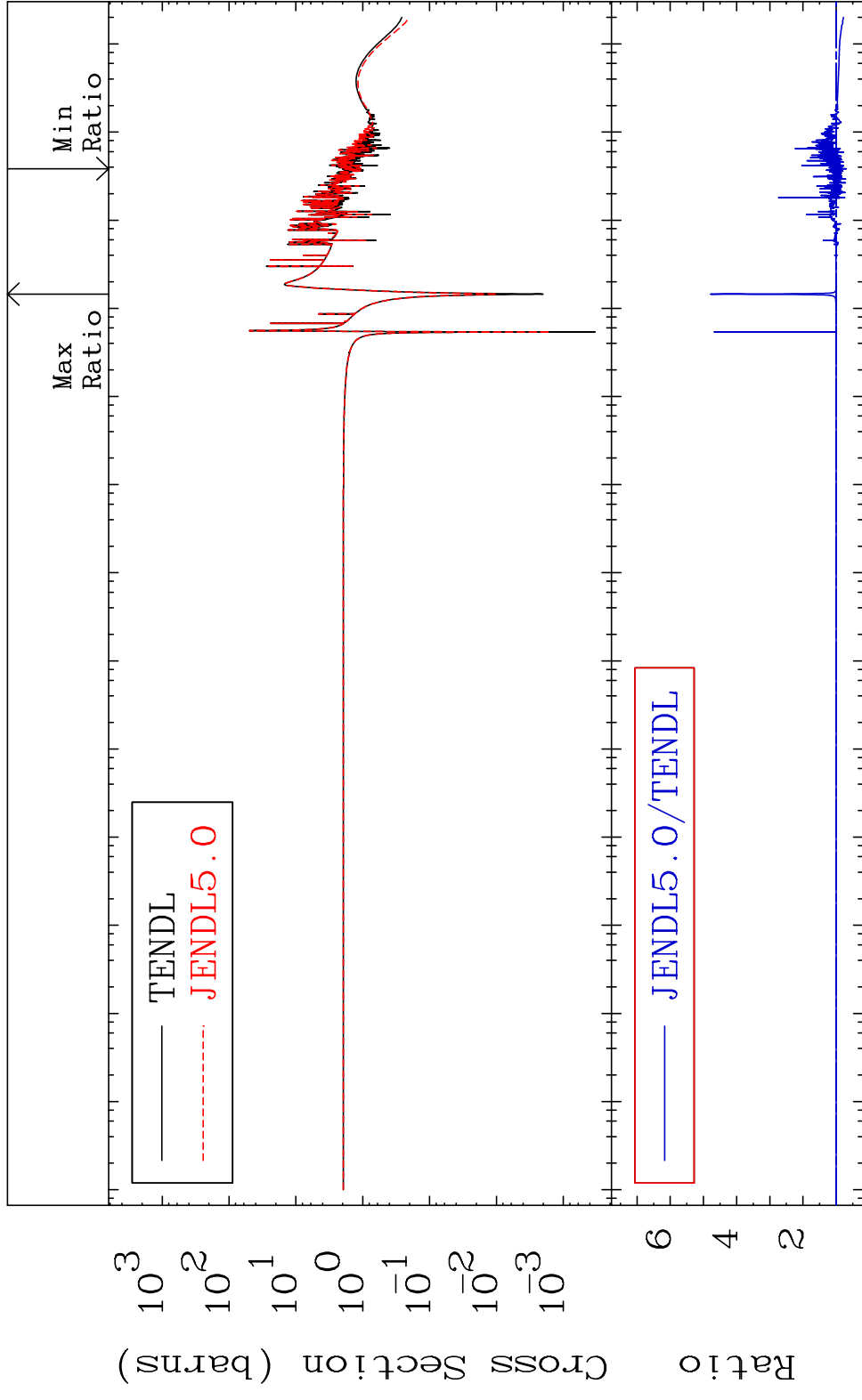
MAT 1425

Elastic

14-Si-28

Cross Section

-30.62 To 378.0 %

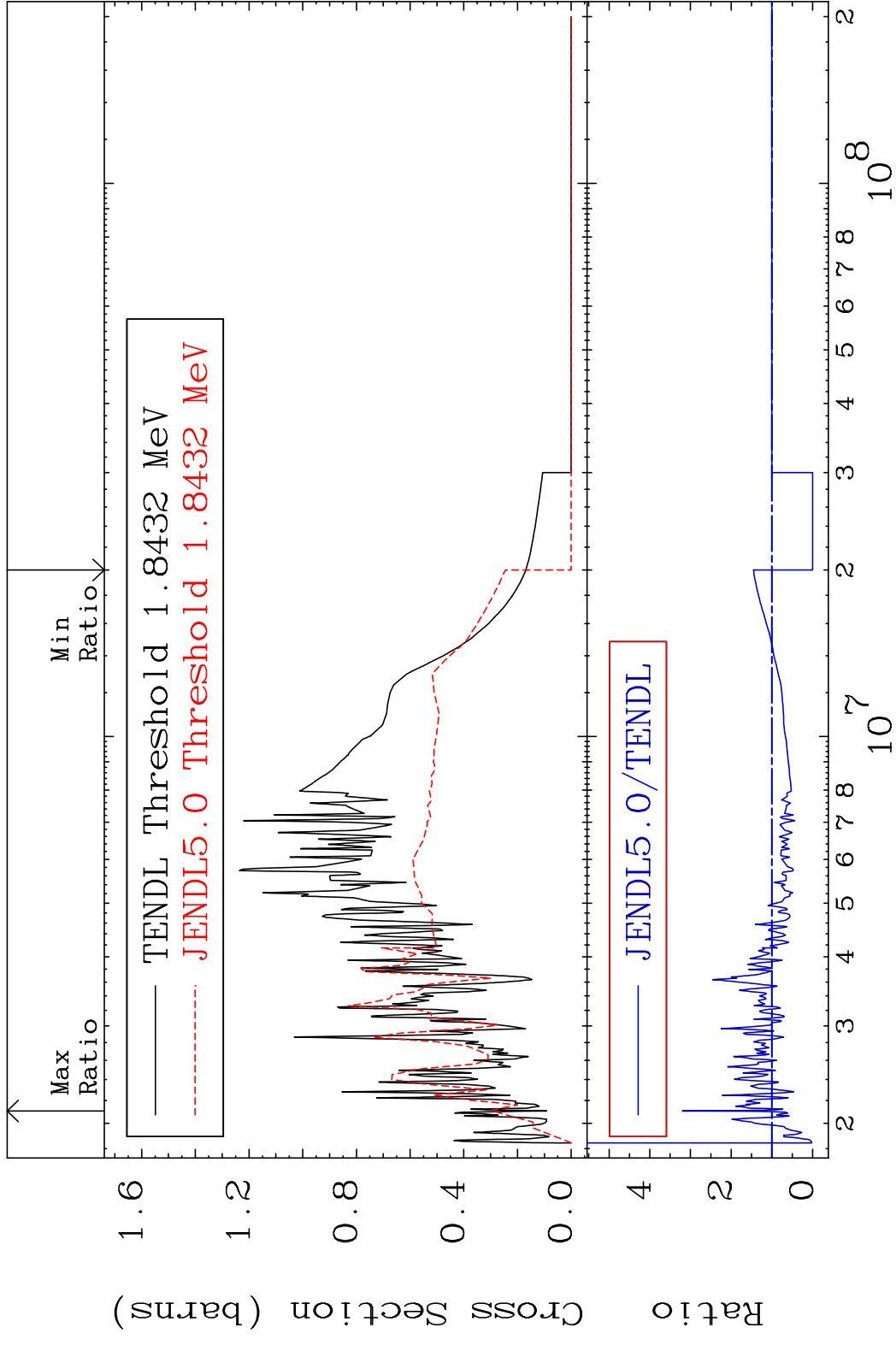


2

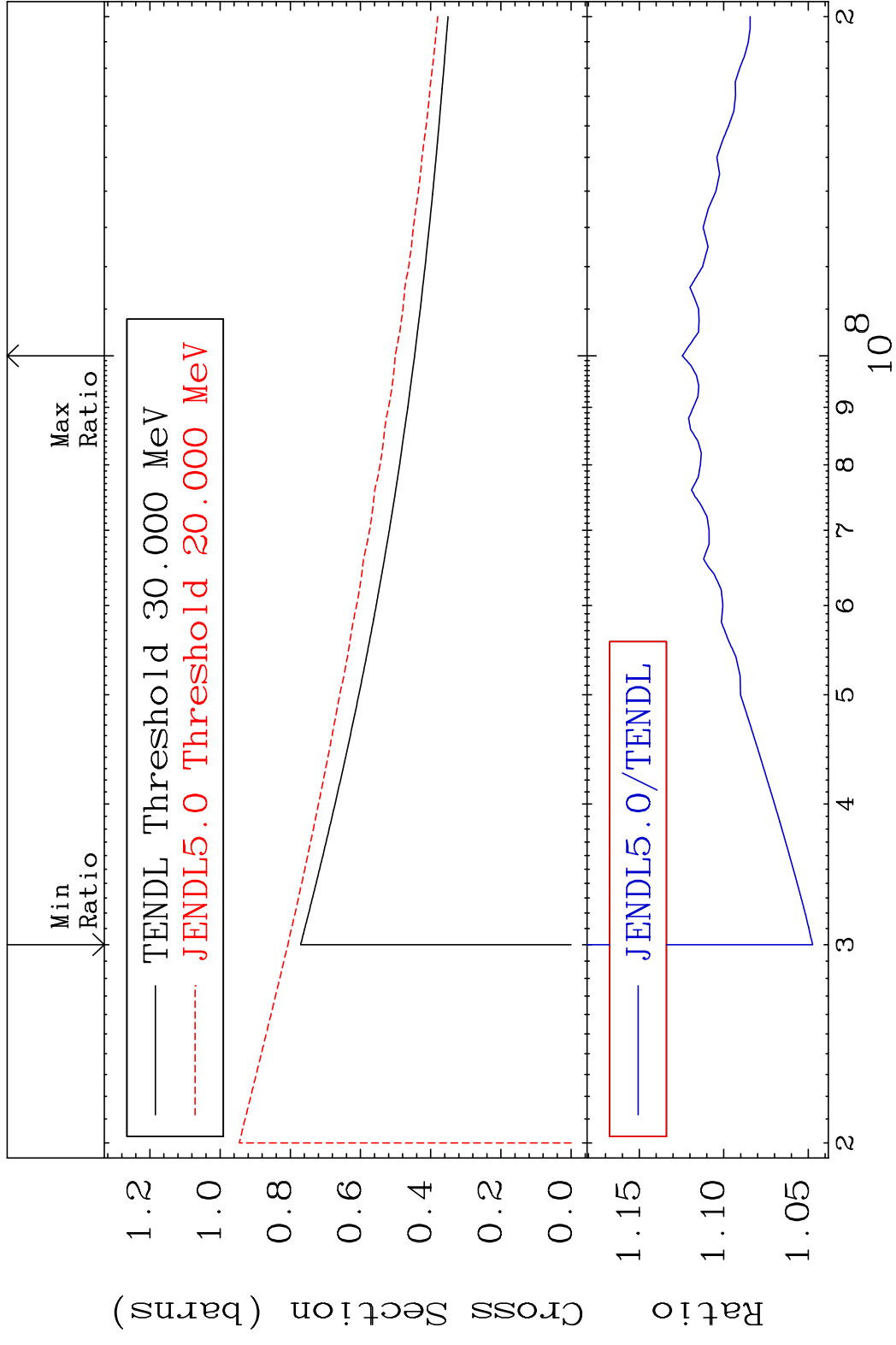
Incident Energy (eV)

14-Si-28

MAT 1425 Inelastic 14-Si-28
 Cross Section -100.0 To 220.0 %



MAT 1425 (n, remainder) 14-Si-28
 Cross Section 4.748 To 12.45 %

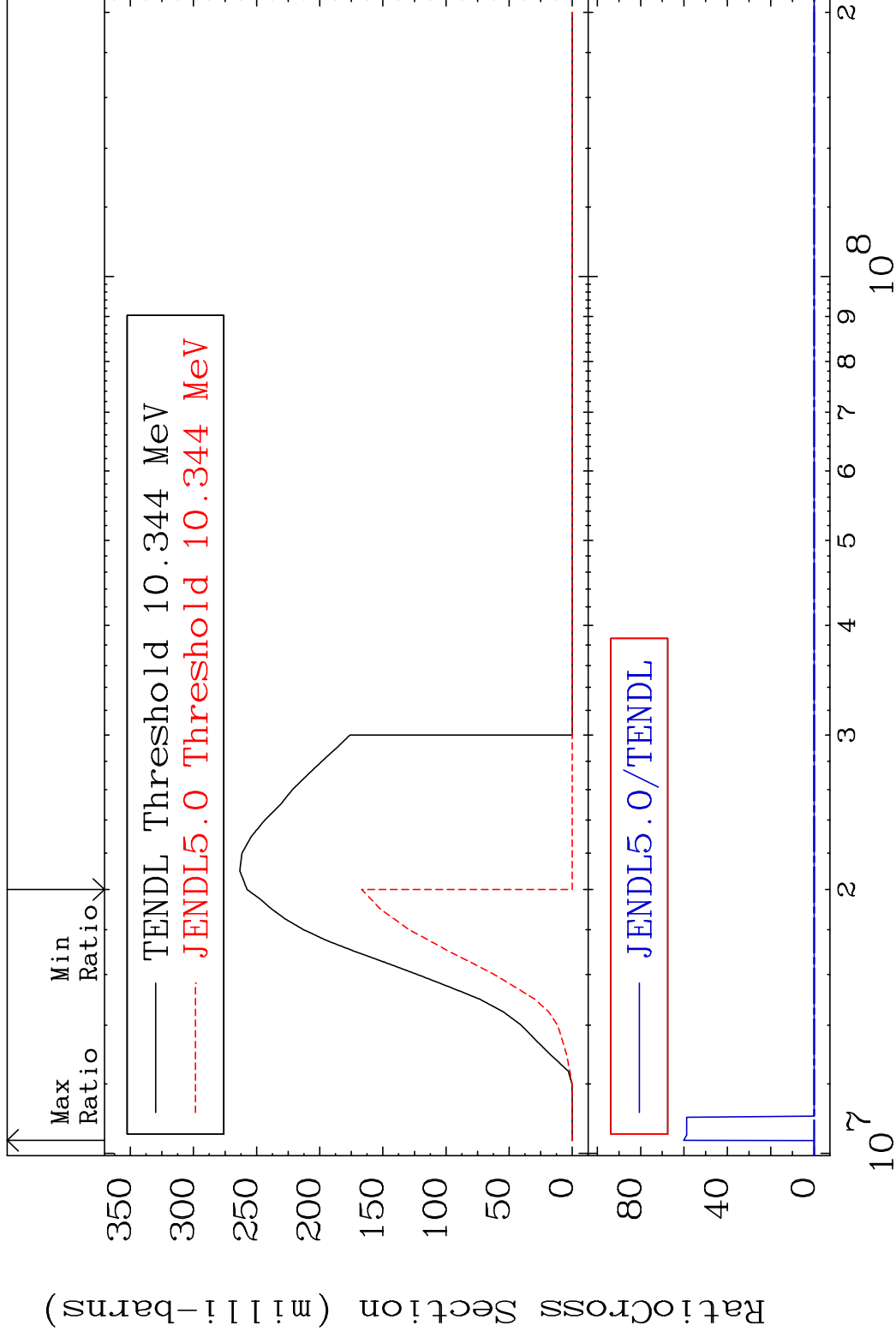


MAT 1425

(n, n') α

14-Si-28

Cross Section -100.0 To 9999. %

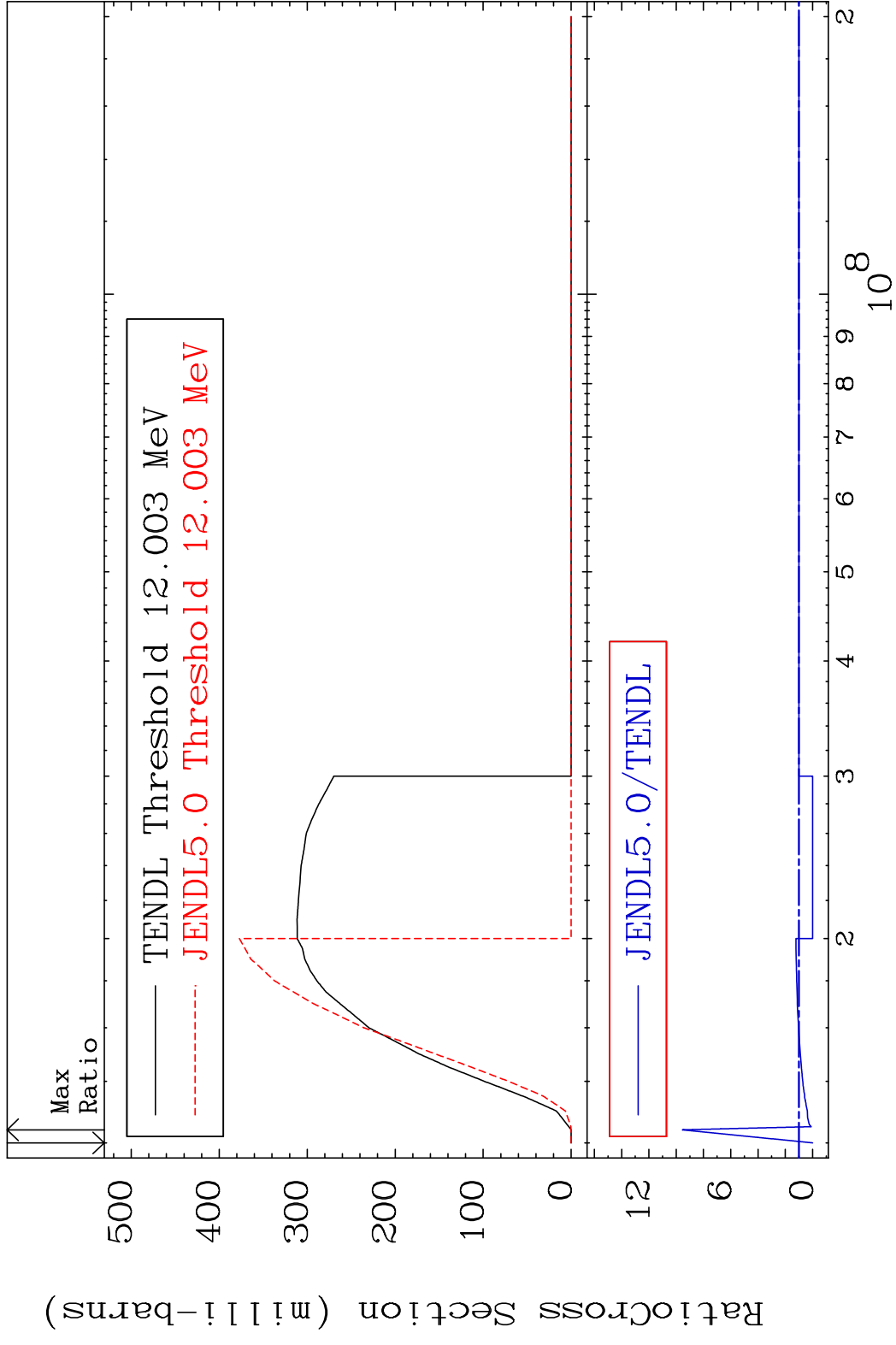


6

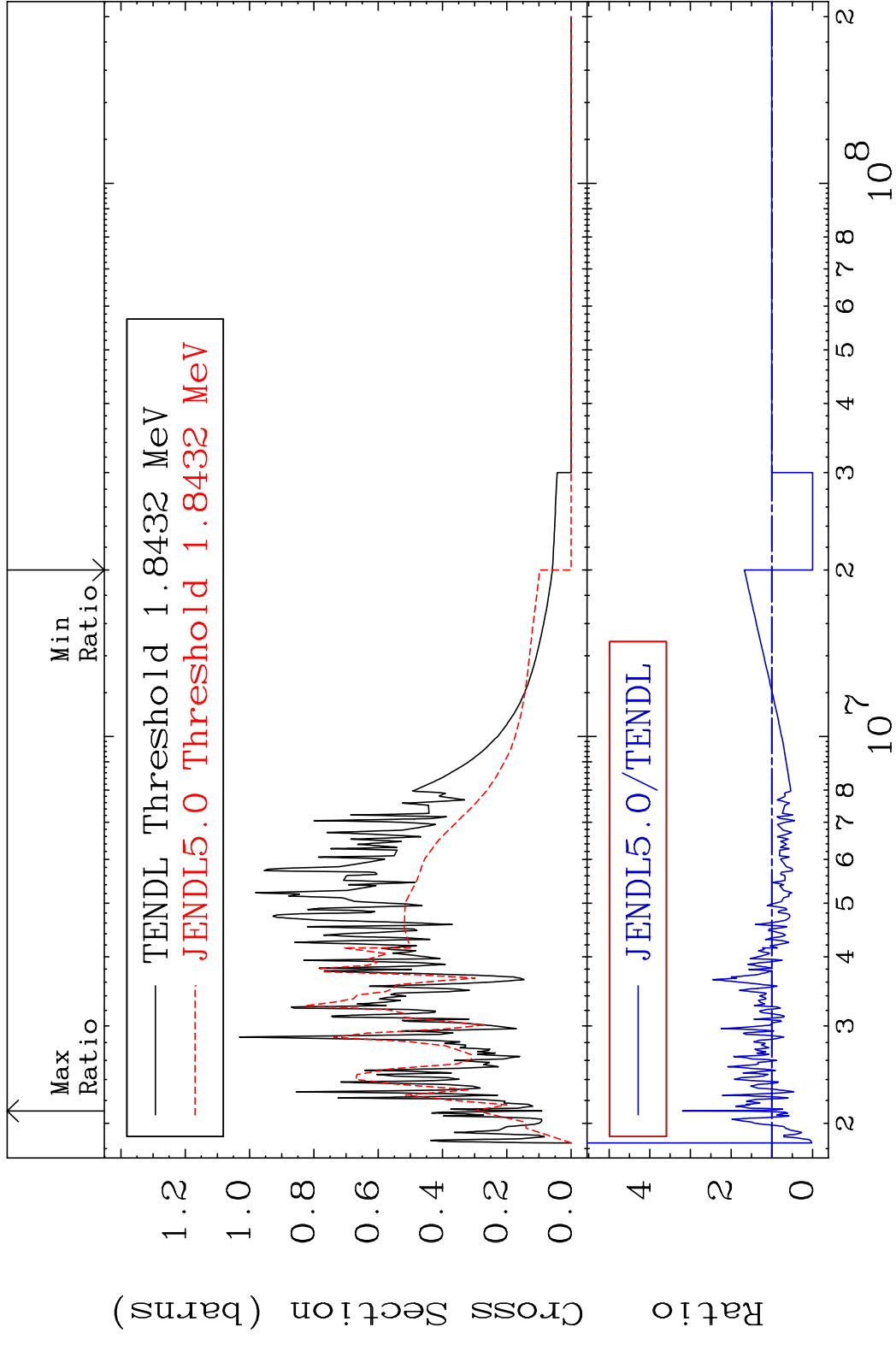
Incident Energy (eV)

14-Si-28

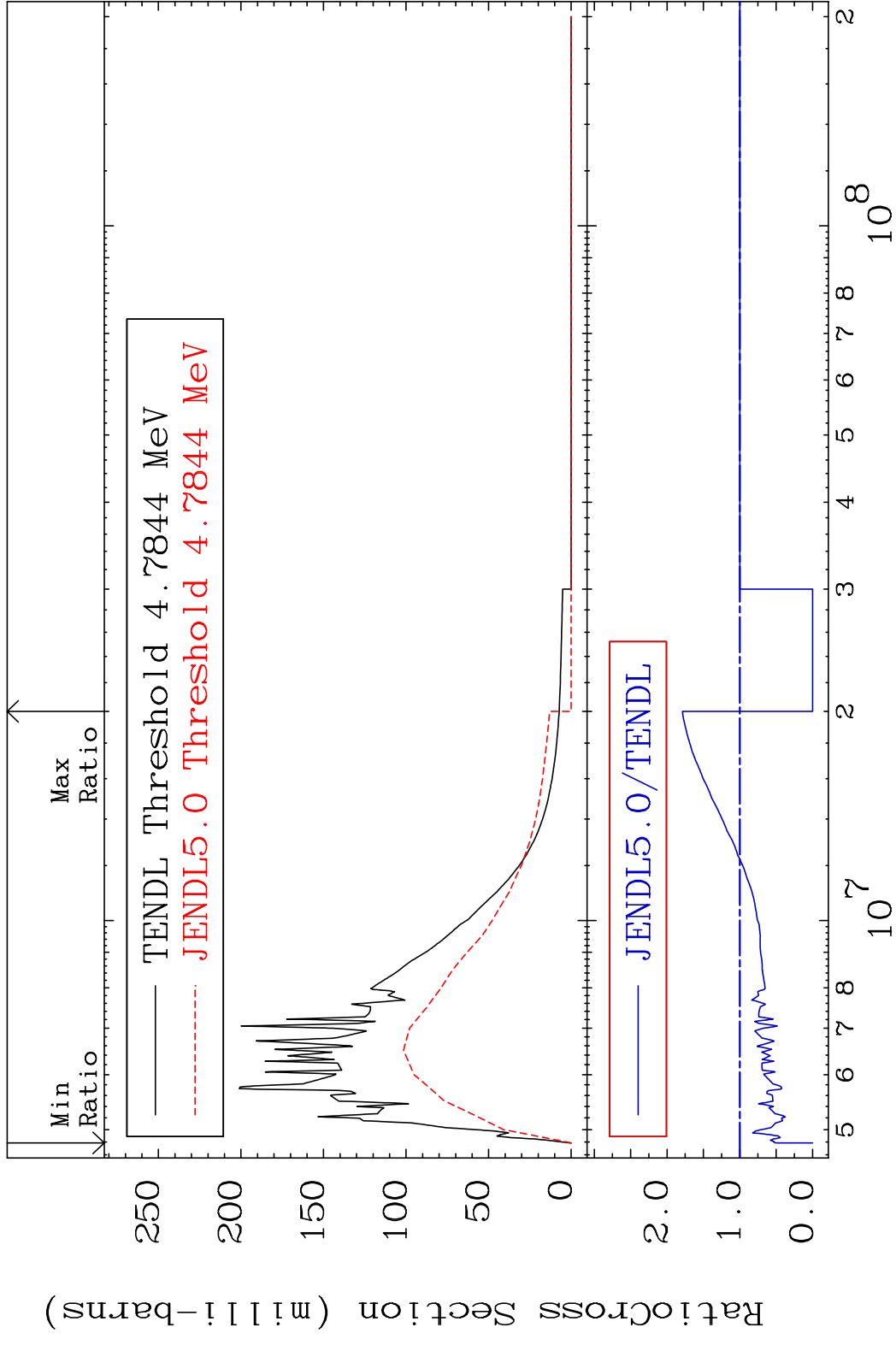
MAT 1425 (n, n') p 14-Si-28
 Cross Section -100.0 To 854.8 %



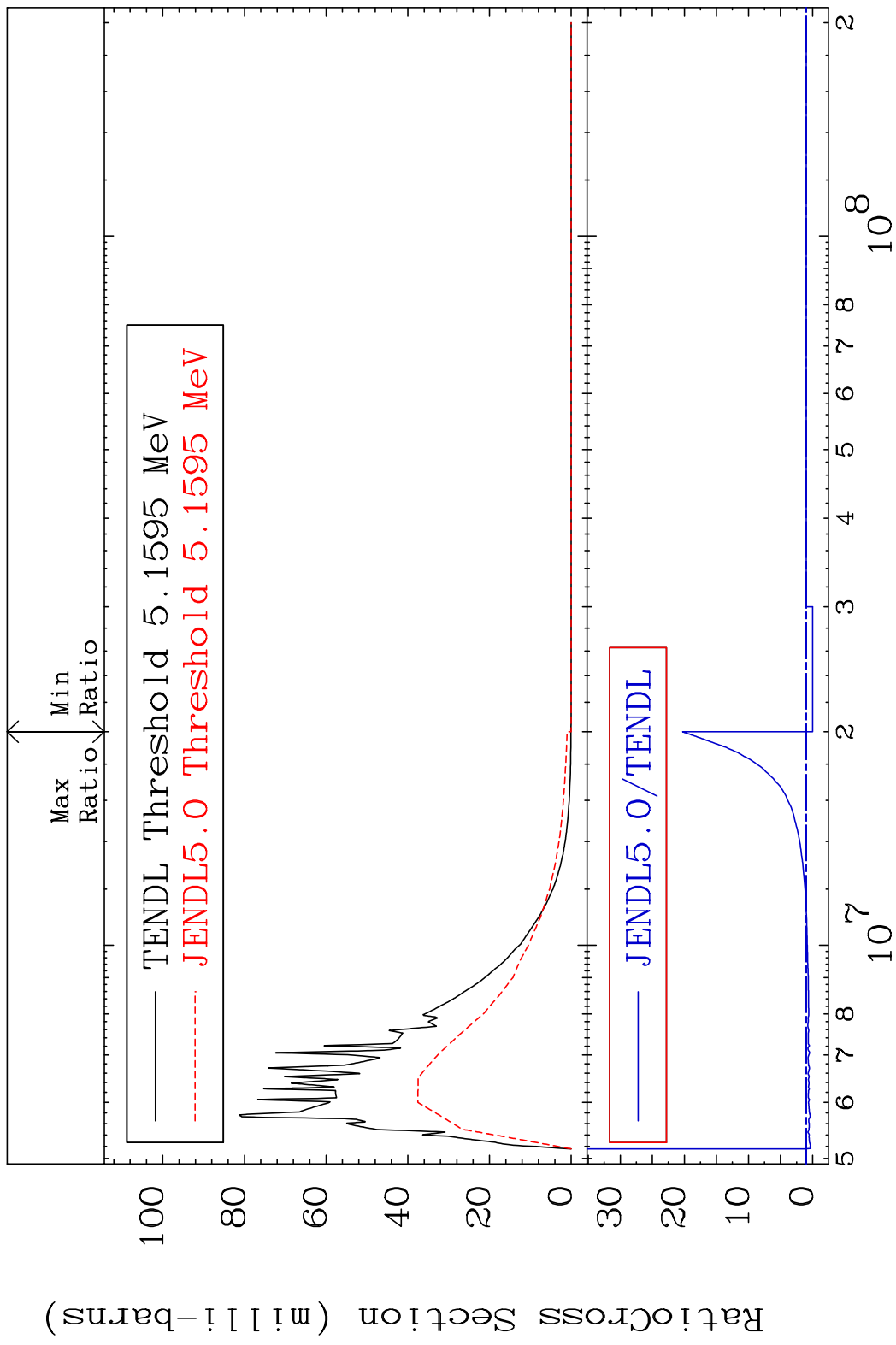
MAT 1425 MT= 51 (n, n') Level 14-Si-28
 Cross Section -100.0 To 220.0 %



MAT 1425 MT= 52 (n,n') Level 14-Si-28
 Cross Section -100.0 To 78.95 %

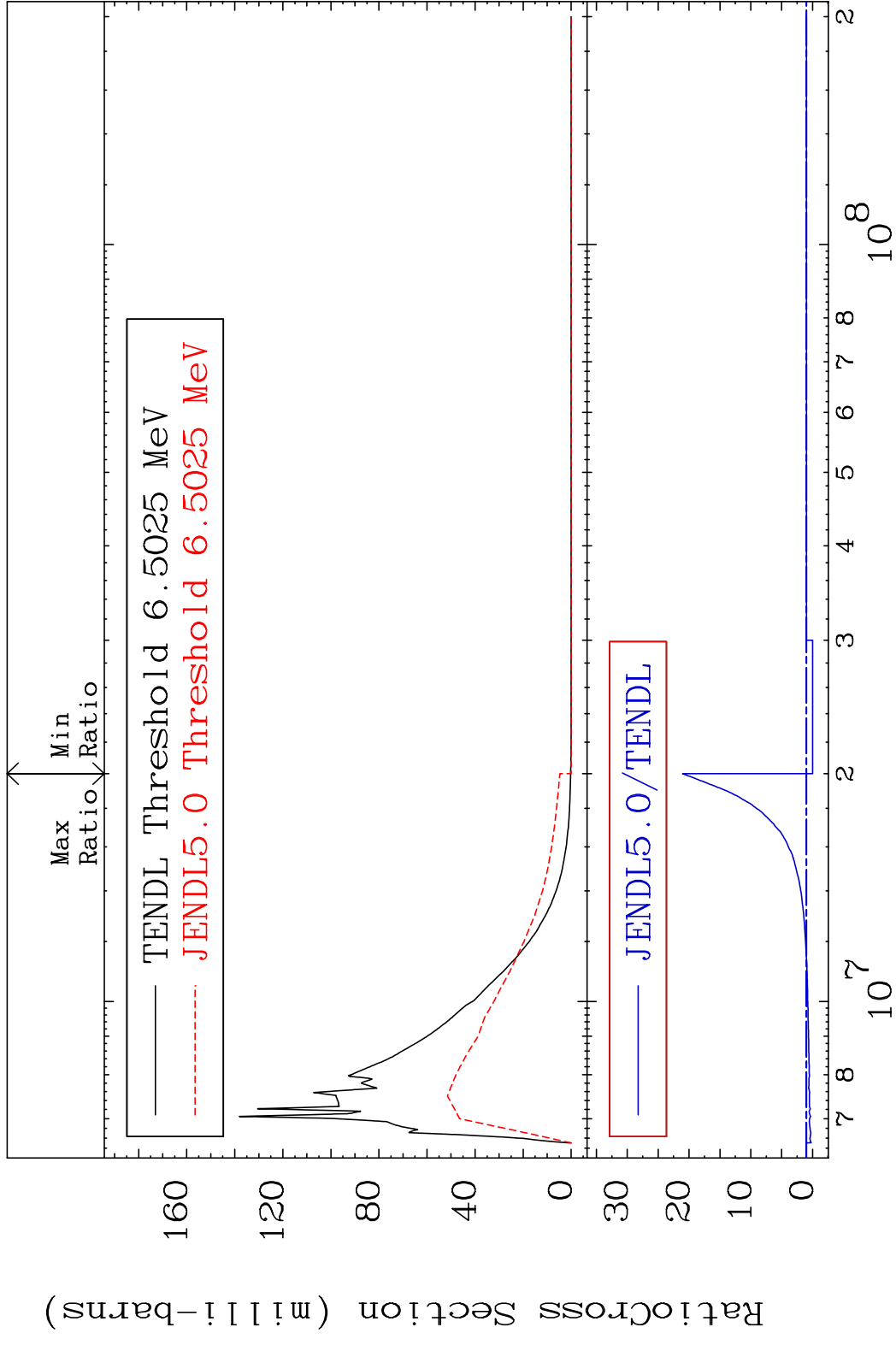


MAT 1425 MT= 53 (n,n') Level 14-Si-28
 Cross Section -100.0 To 1931. %

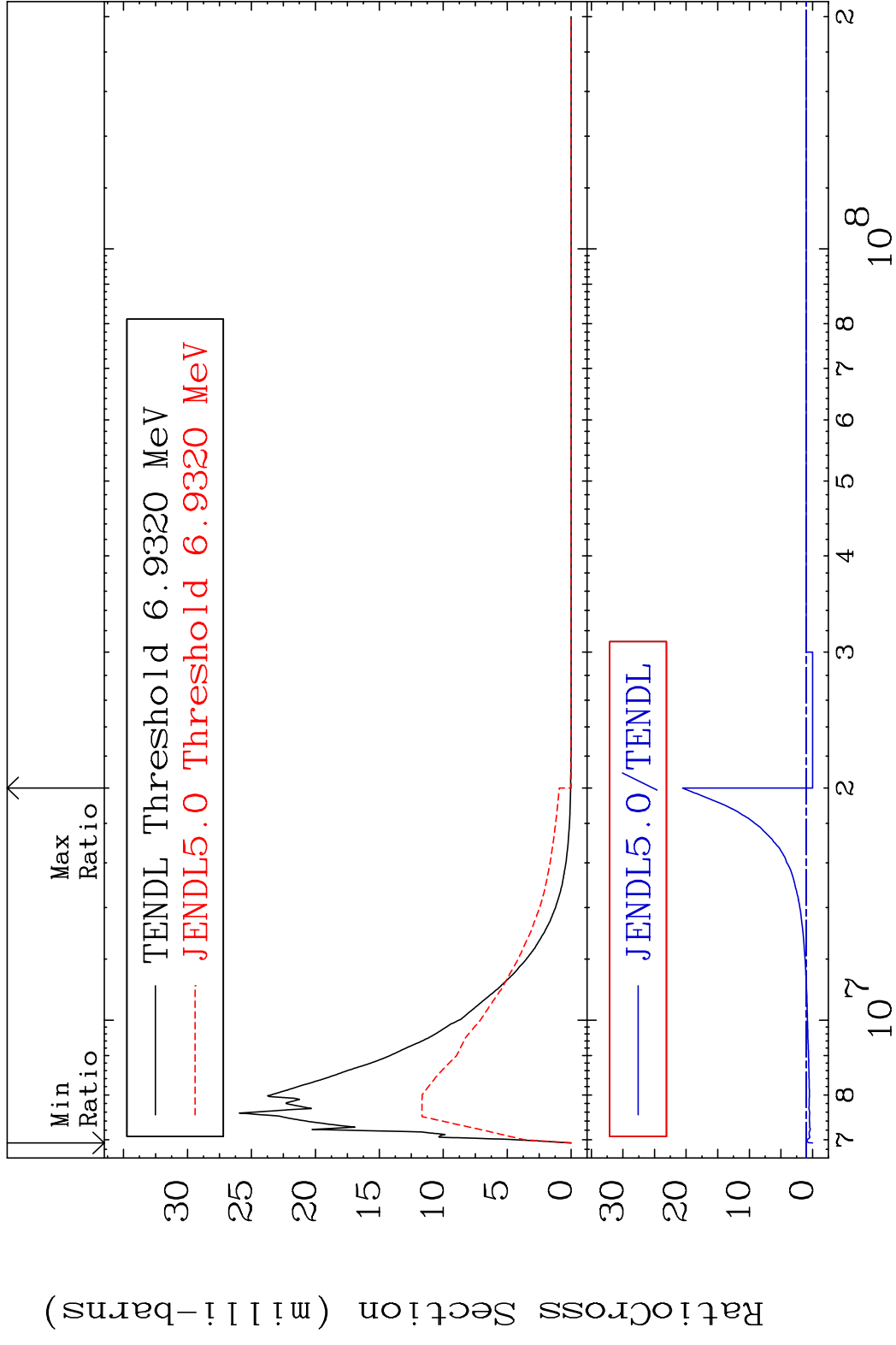


10 Incident Energy (eV) 14-Si-28

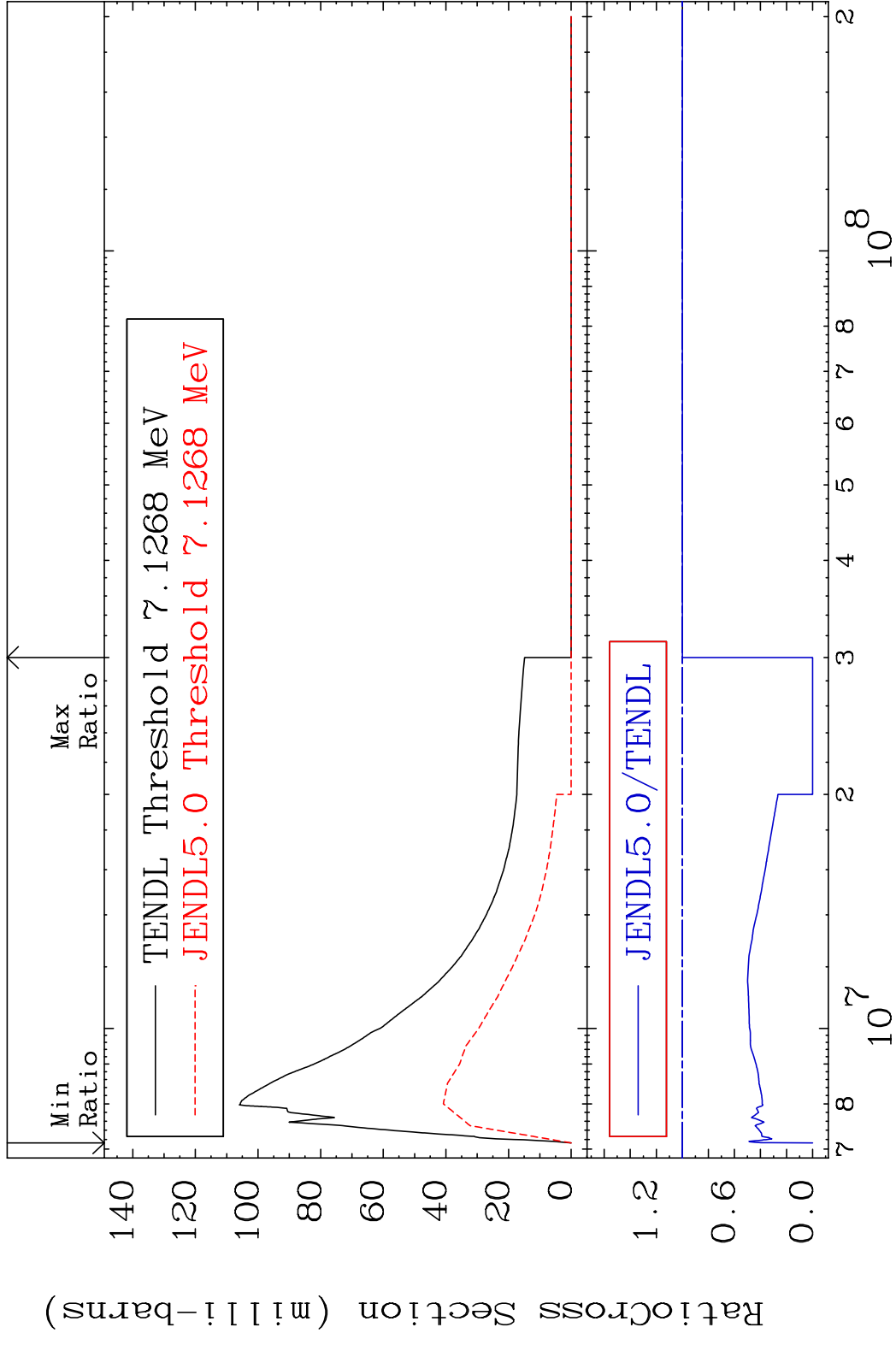
MAT 1425 MT= 54 (n,n') Level 14-Si-28
 Cross Section -100.0 To 2008. %



MAT 1425 MT= 55 (n,n') Level 14-Si-28
 Cross Section -100.0 To 1960. %

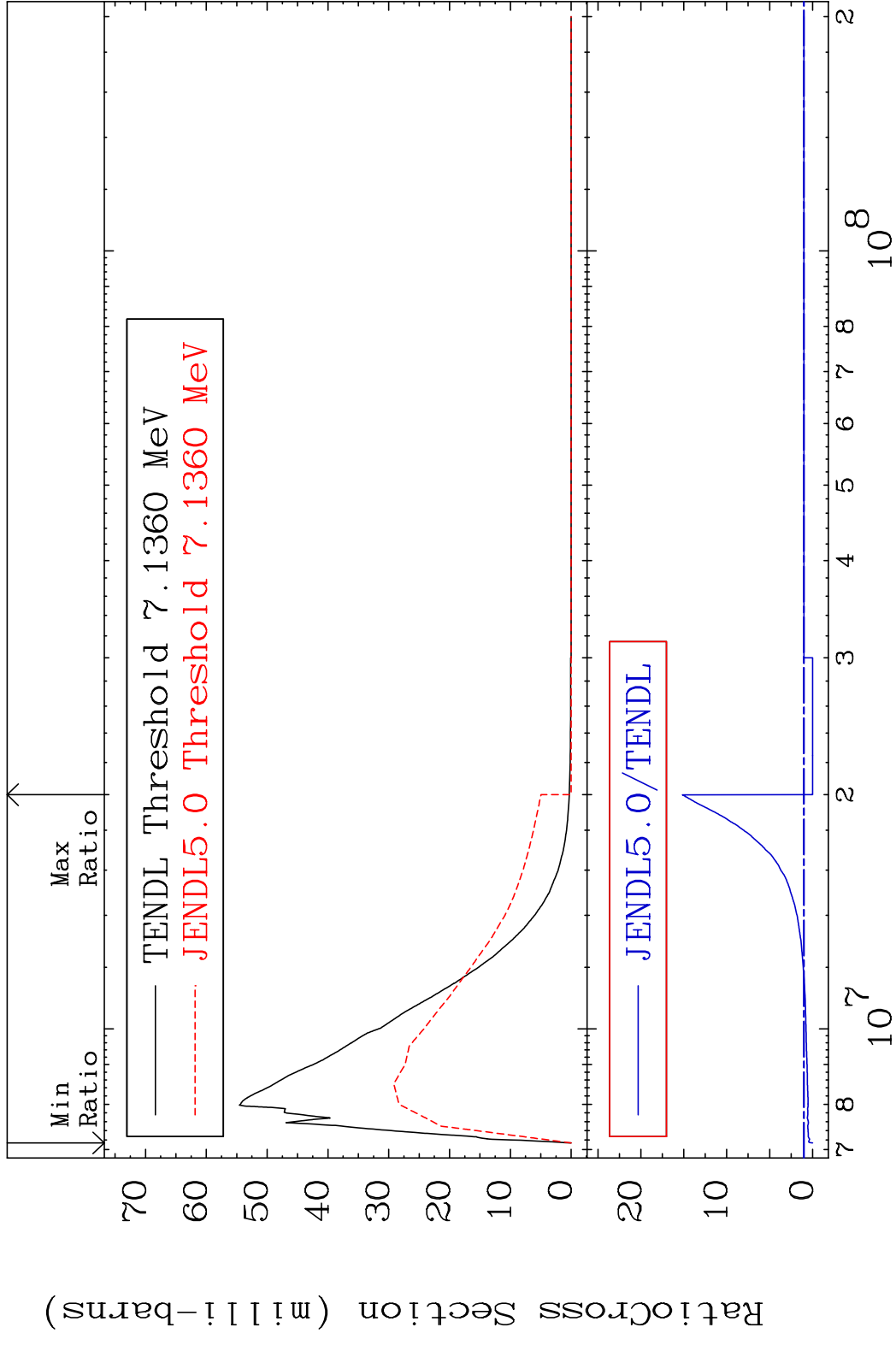


MAT 1425 MT= 56 (n, n') Level 14-Si-28
 Cross Section -100.0 To 0.000 %



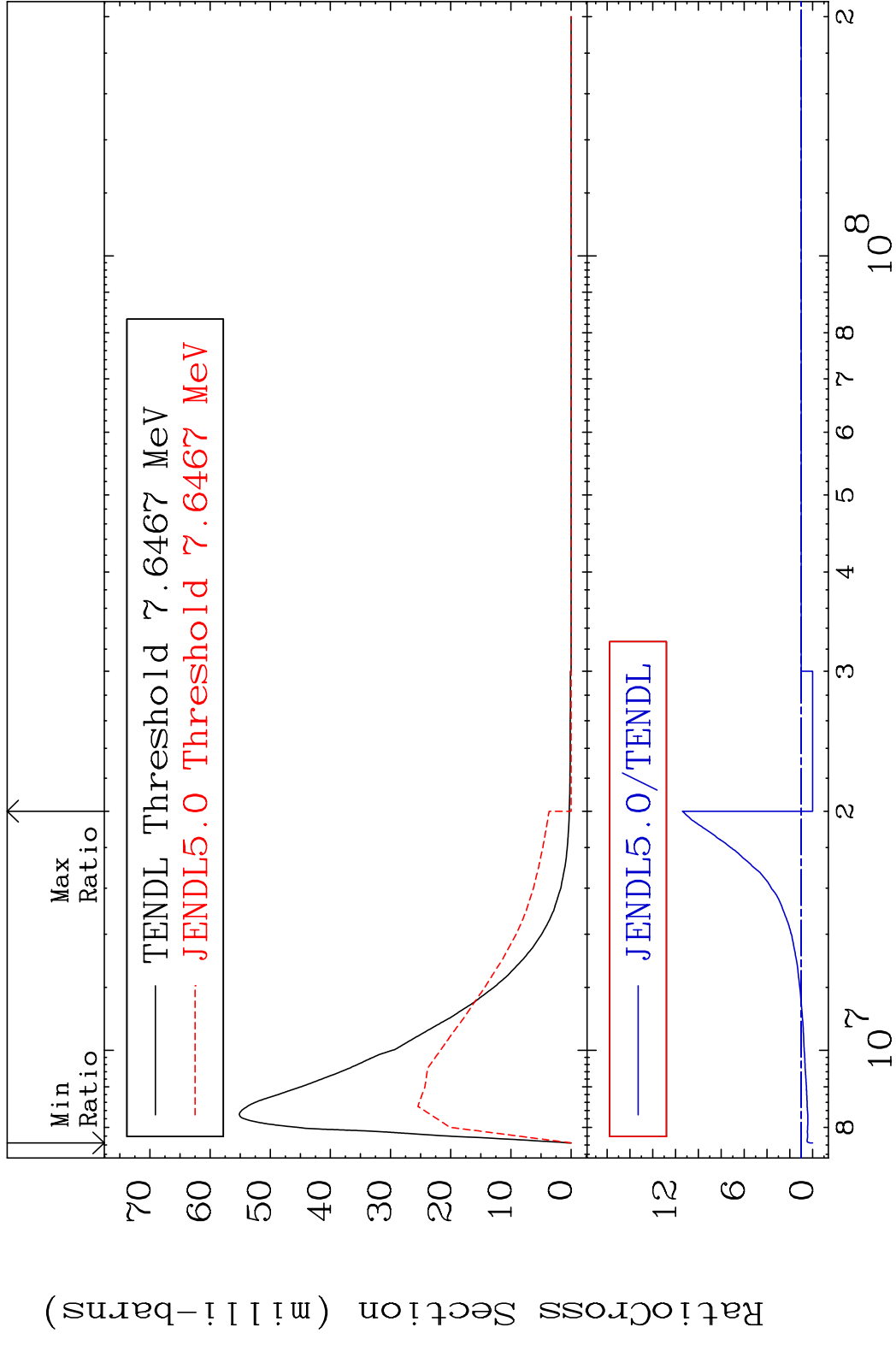
13 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 57 (n,n') Level 14-Si-28
 Cross Section -100.0 To 1417. %



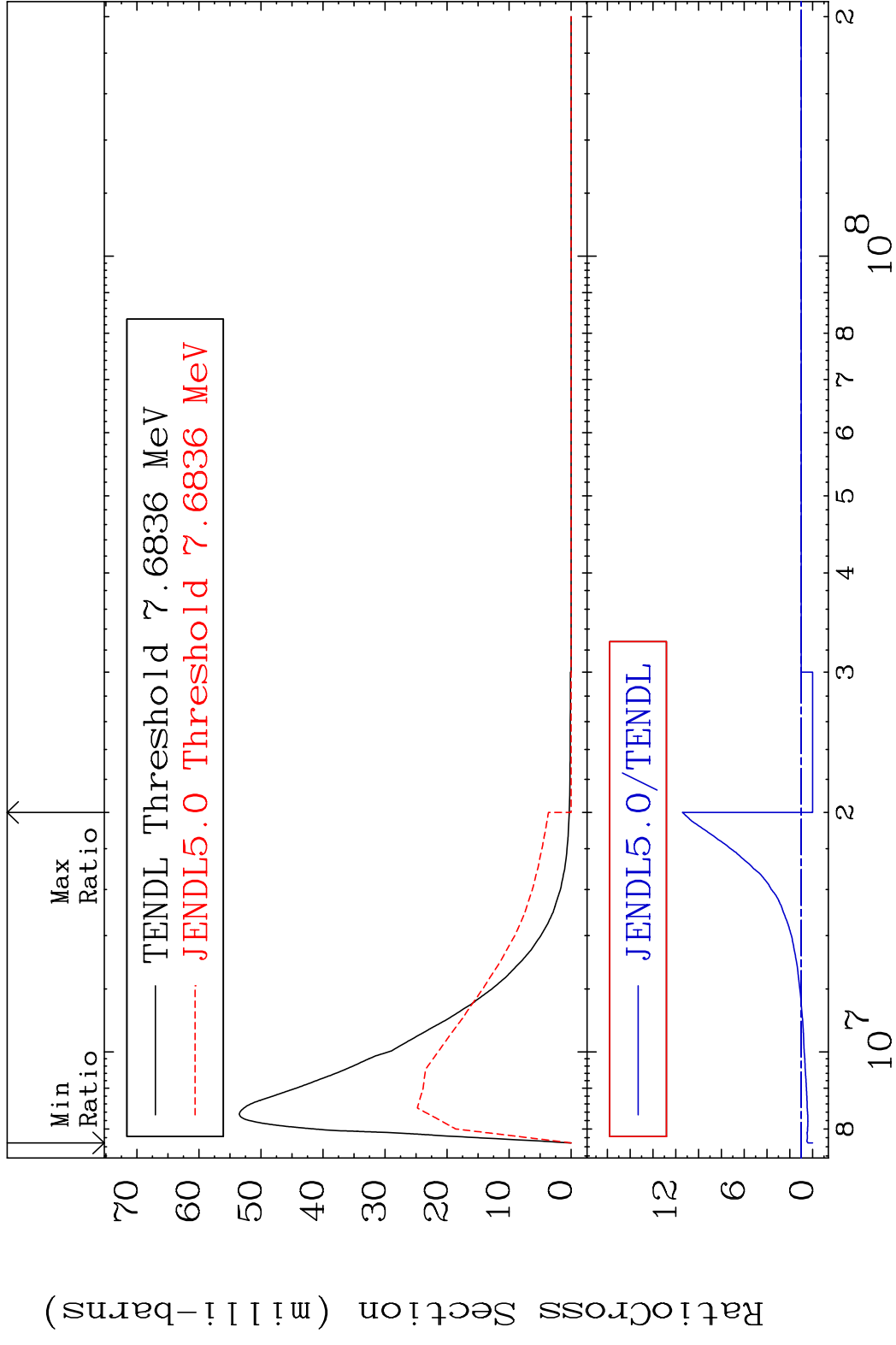
14 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 58 (n,n') Level 14-Si-28
 Cross Section -100.0 To 1041. %



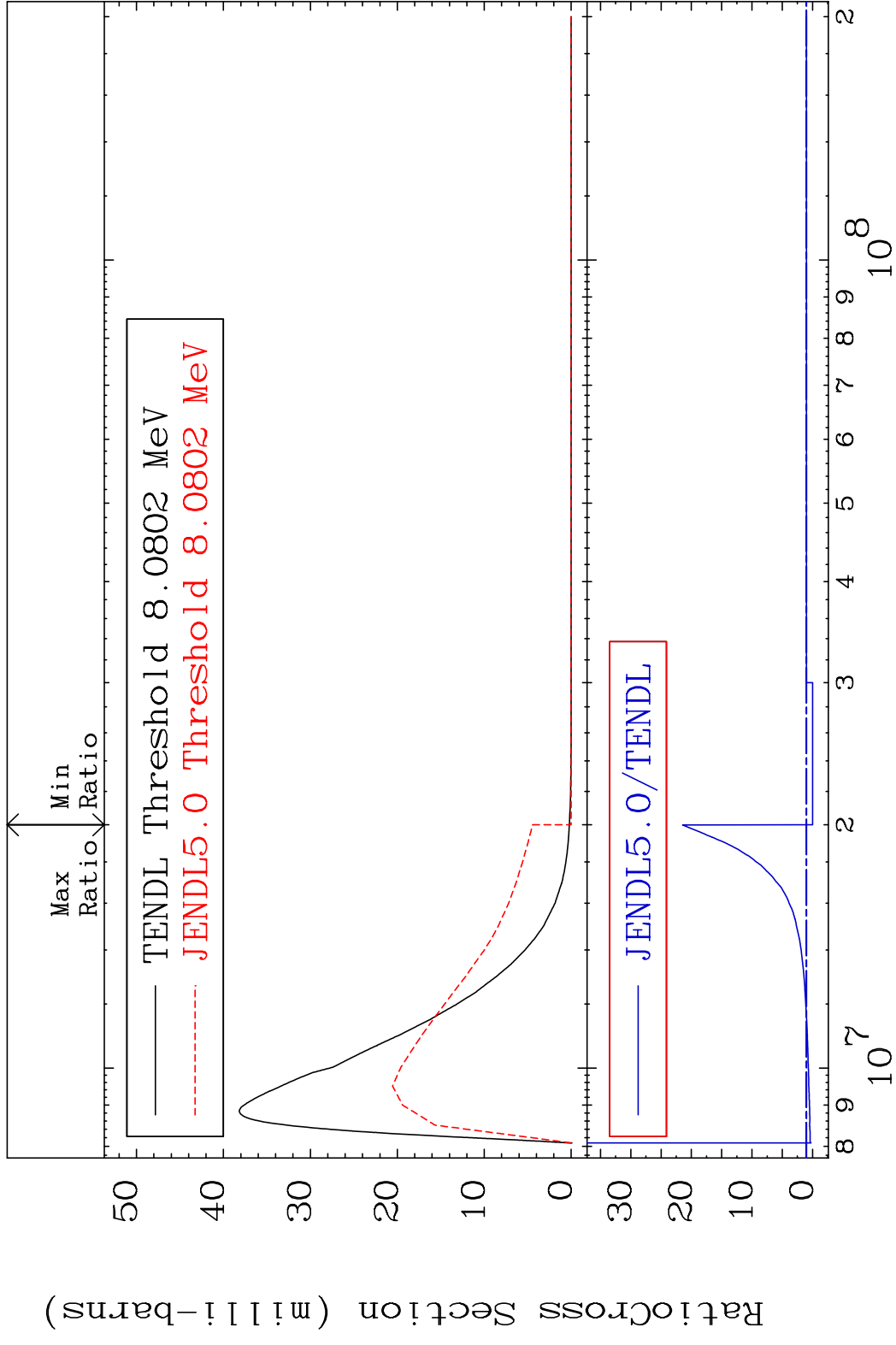
15 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 59 (n,n') Level 14-Si-28
 Cross Section -100.0 To 1043. %

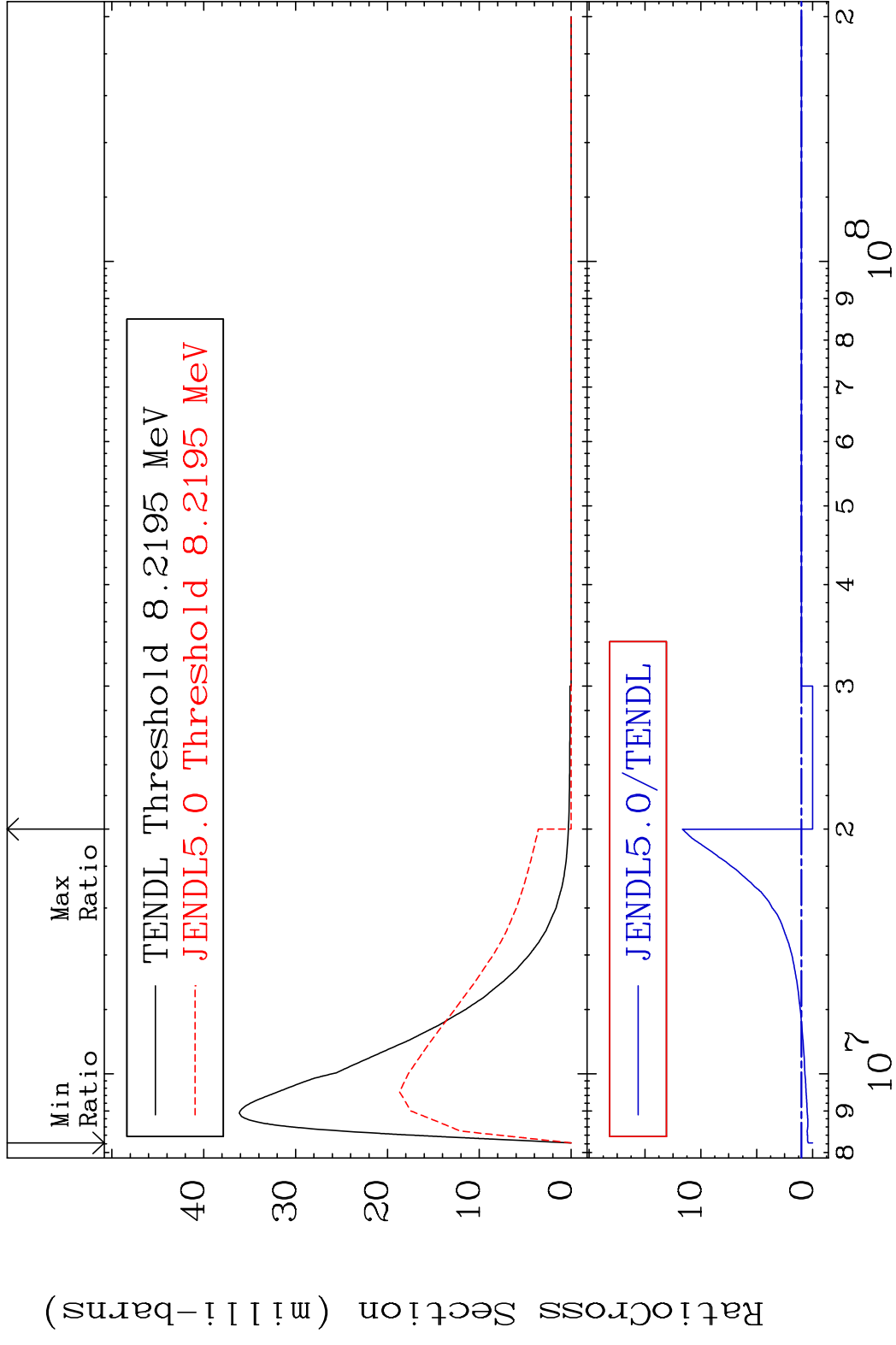


16 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 60 (n,n') Level 14-Si-28
 Cross Section -100.0 To 2049. %

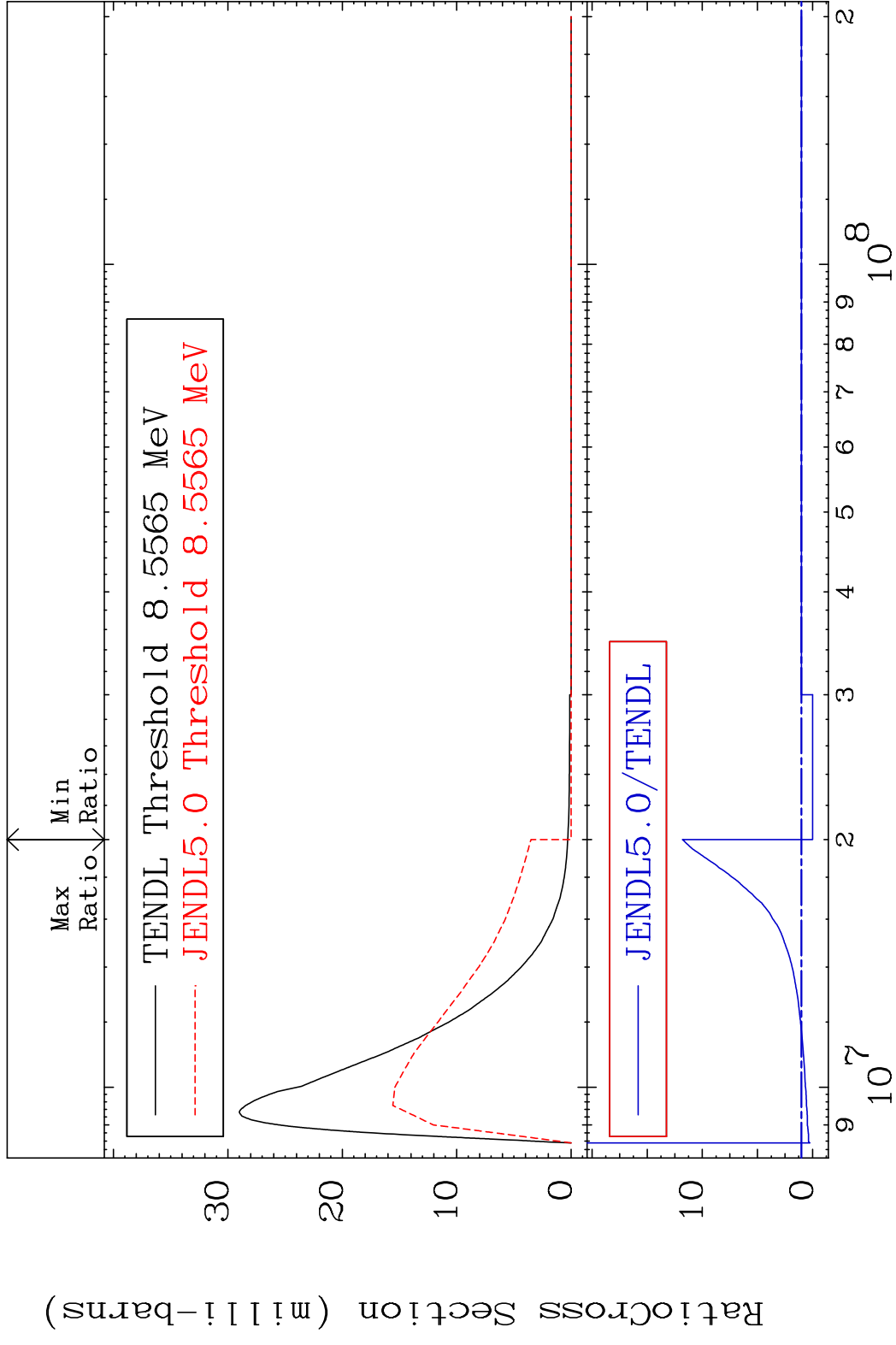


MAT 1425 MT= 61 (n, n') Level 14-Si-28
 Cross Section -100.0 To 1066. %



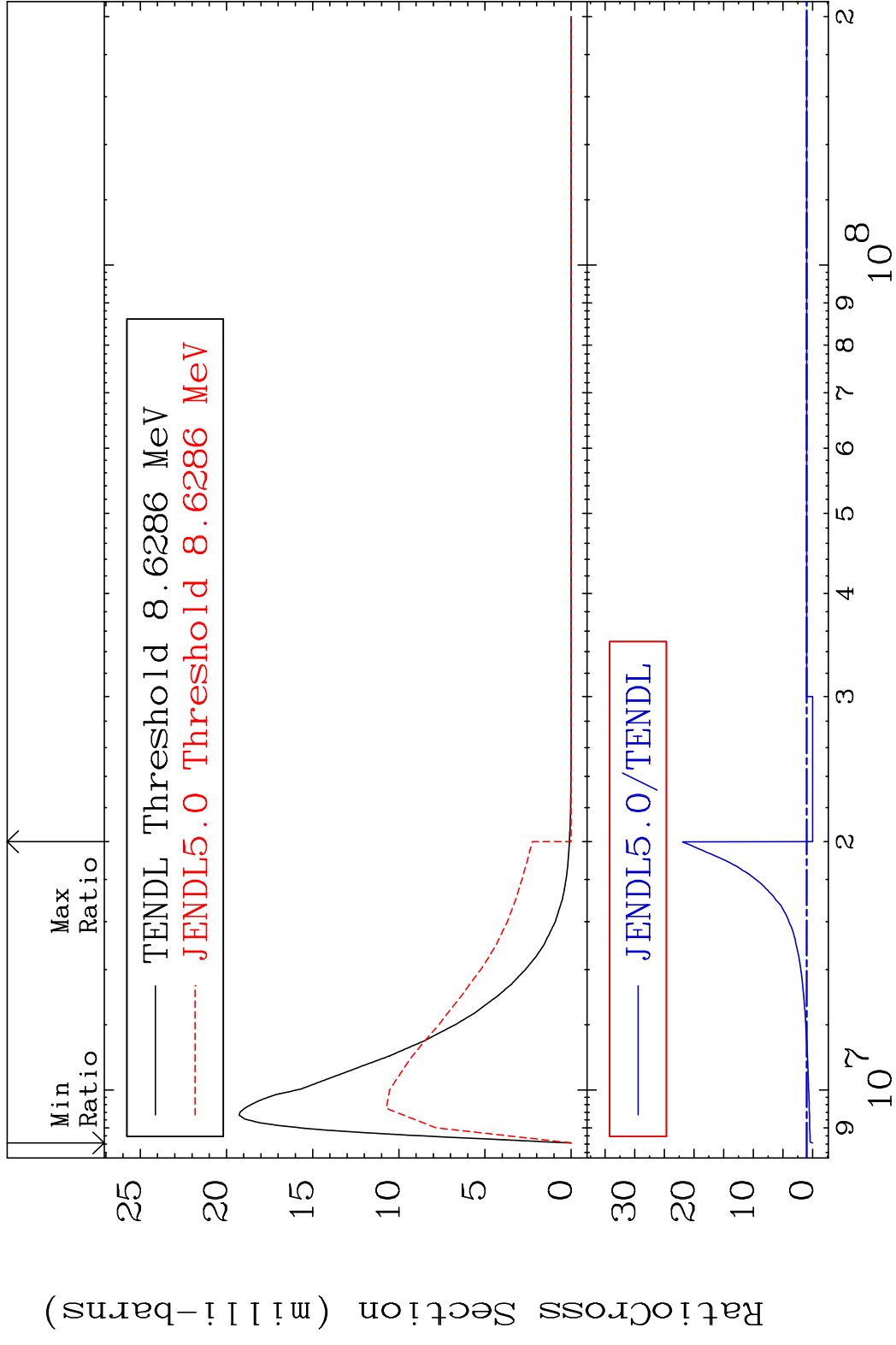
18 14-Si-28

MAT 1425 MT= 62 (n,n') Level 14-Si-28
 Cross Section -100.0 To 1081. %



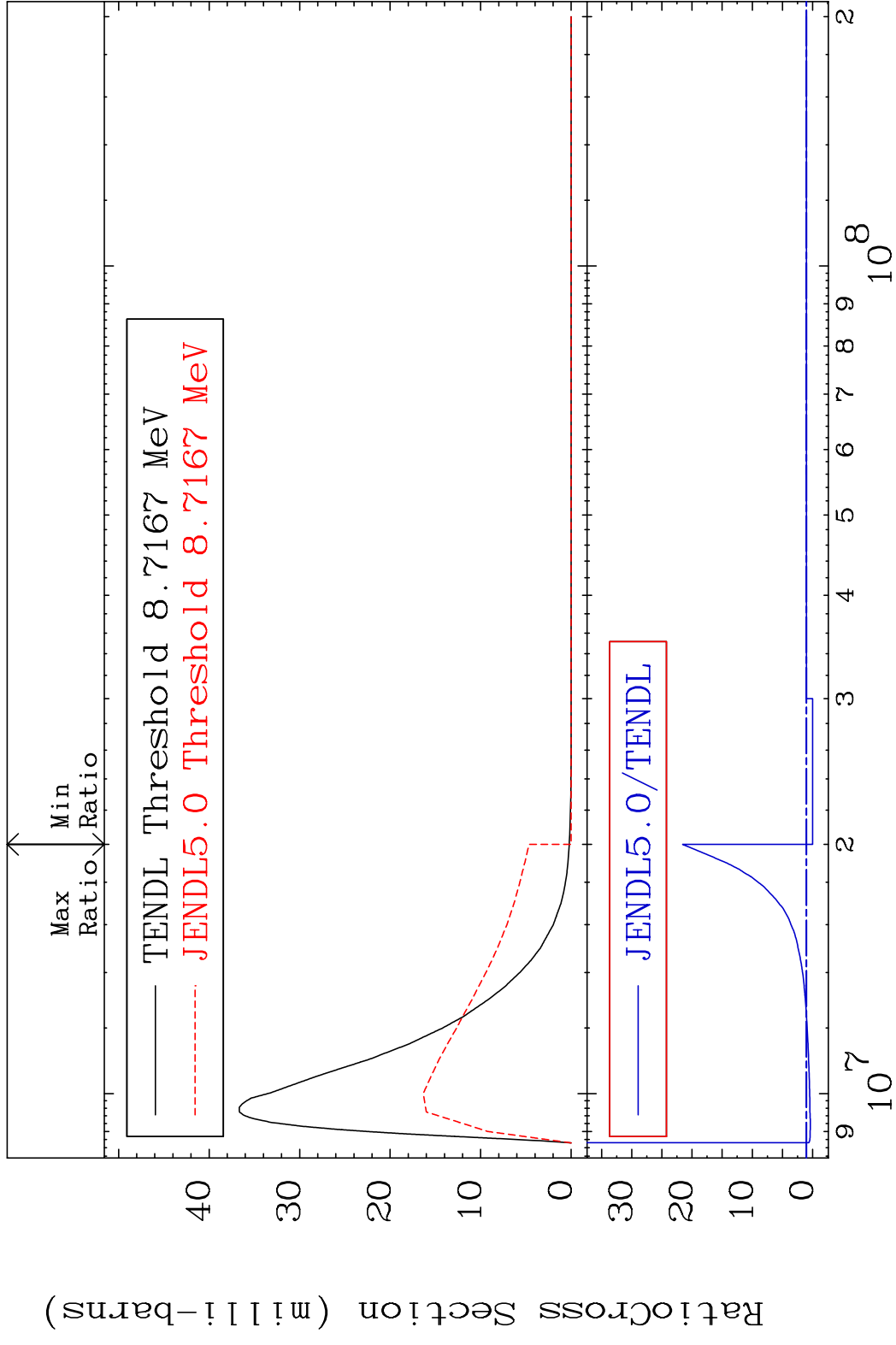
19 19 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 63 (n,n') Level 14-Si-28
 Cross Section -100.0 To 2098. %

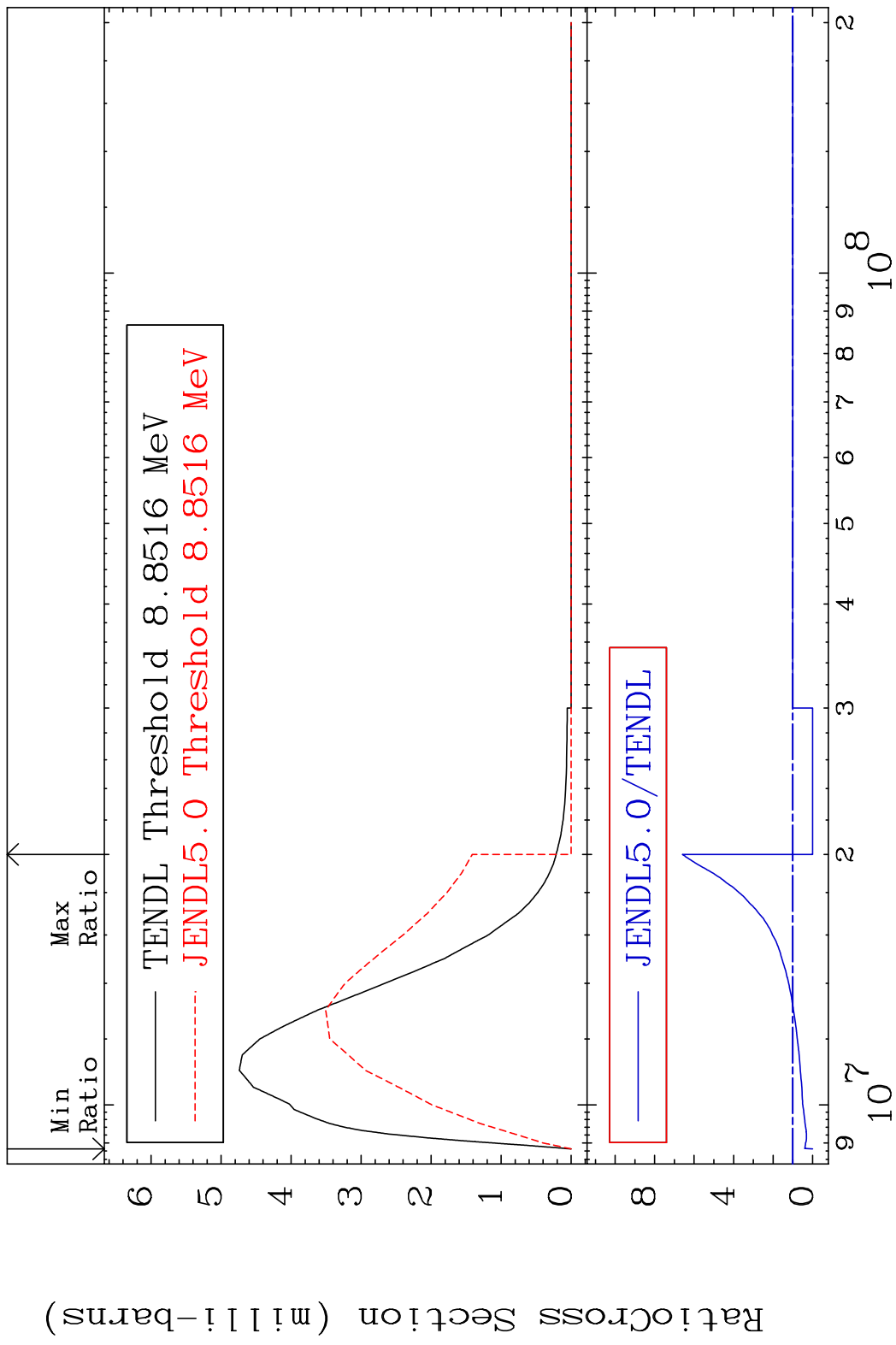


20 Incident Energy (eV) 14-Si-28

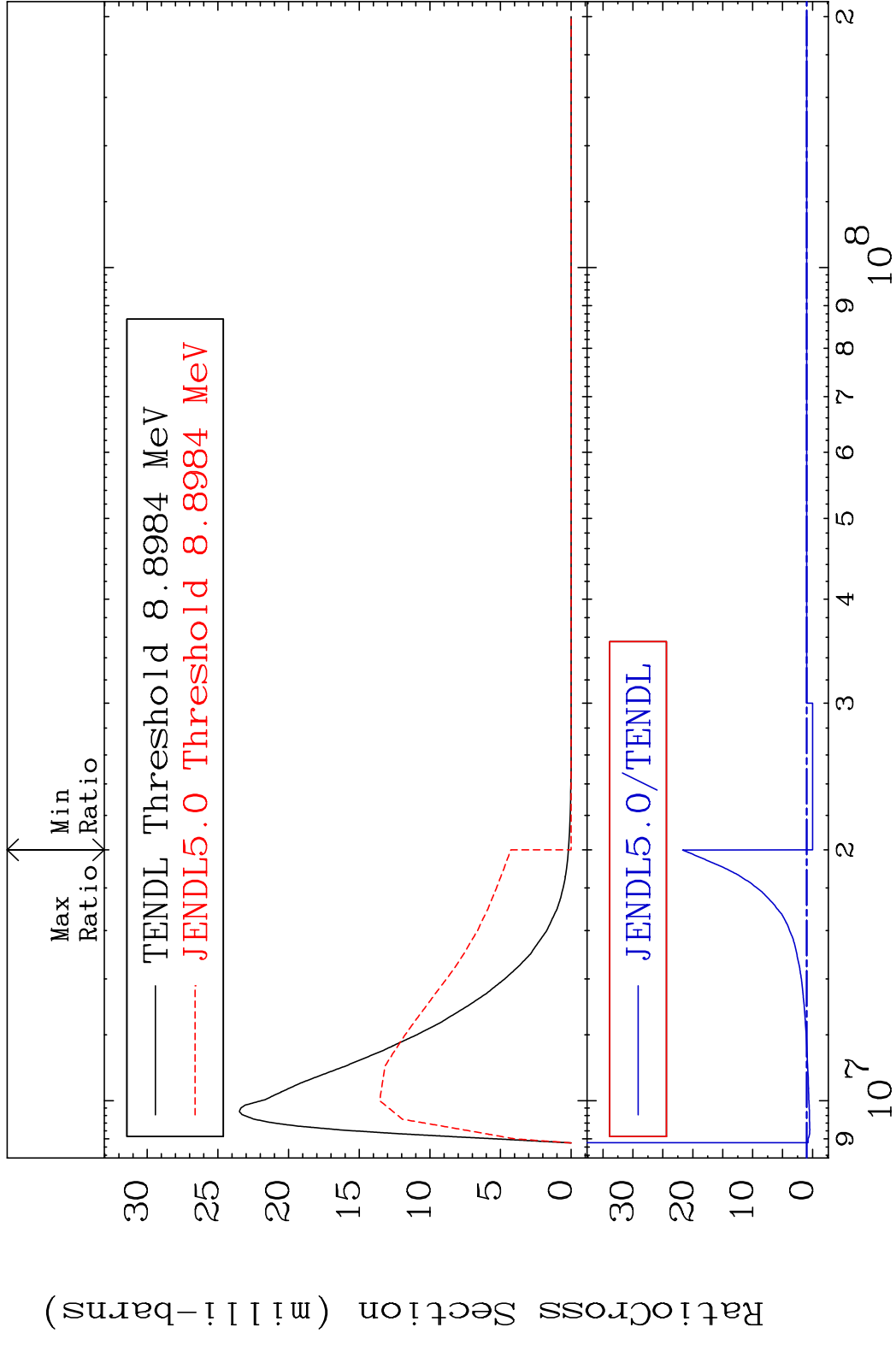
MAT 1425 MT= 64 (n,n') Level 14-Si-28
 Cross Section -100.0 To 2060. %



MAT 1425 MT= 65 (n,n') Level 14-Si-28
 Cross Section -100.0 To 559.6 %



MAT 1425 MT= 66 (n,n') Level 14-Si-28
 Cross Section -100.0 To 2074. %

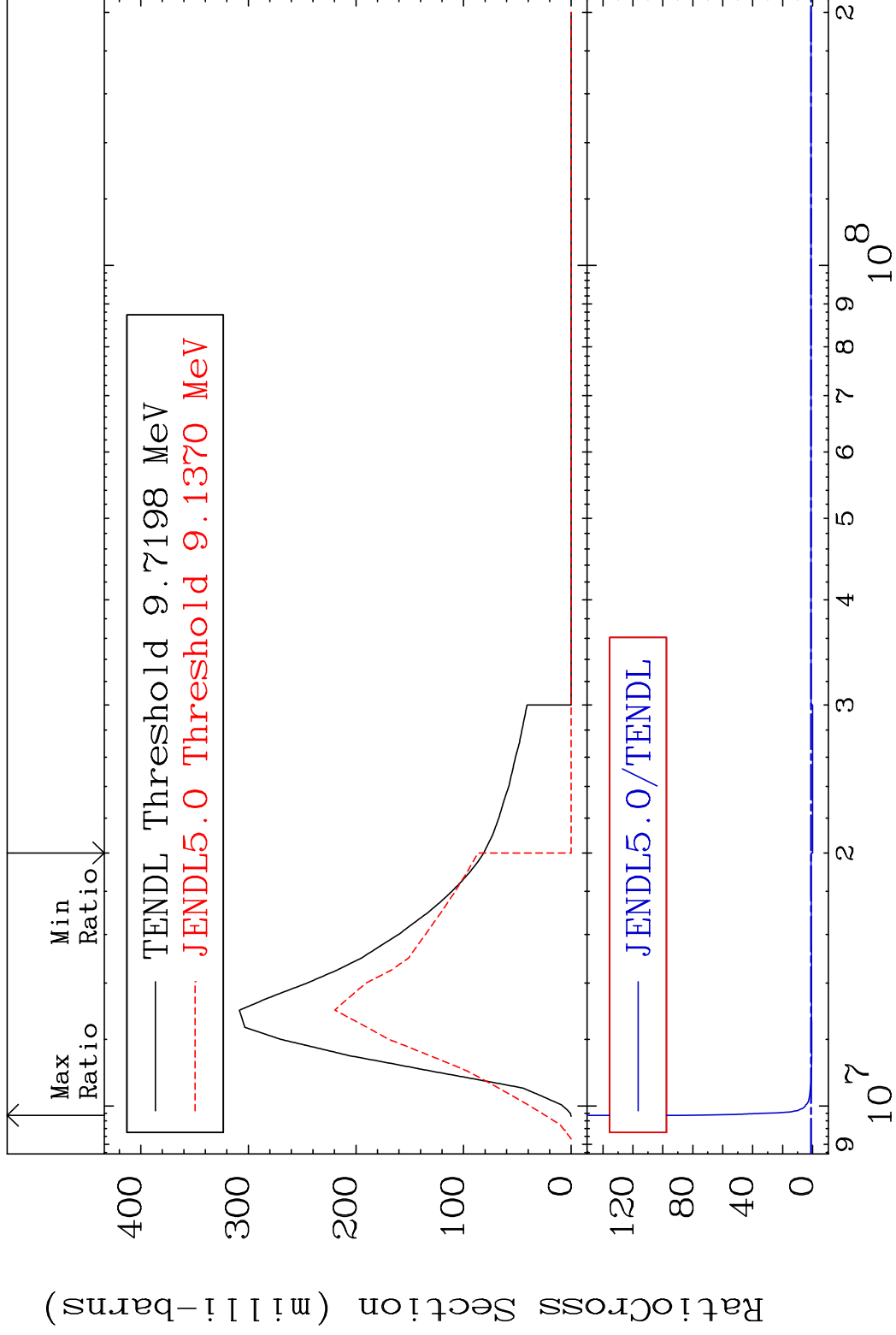


MAT 1425

(n,n') Continuum

14-Si-28

Cross Section -100.0 To 8599. %



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Incident Energy (eV)

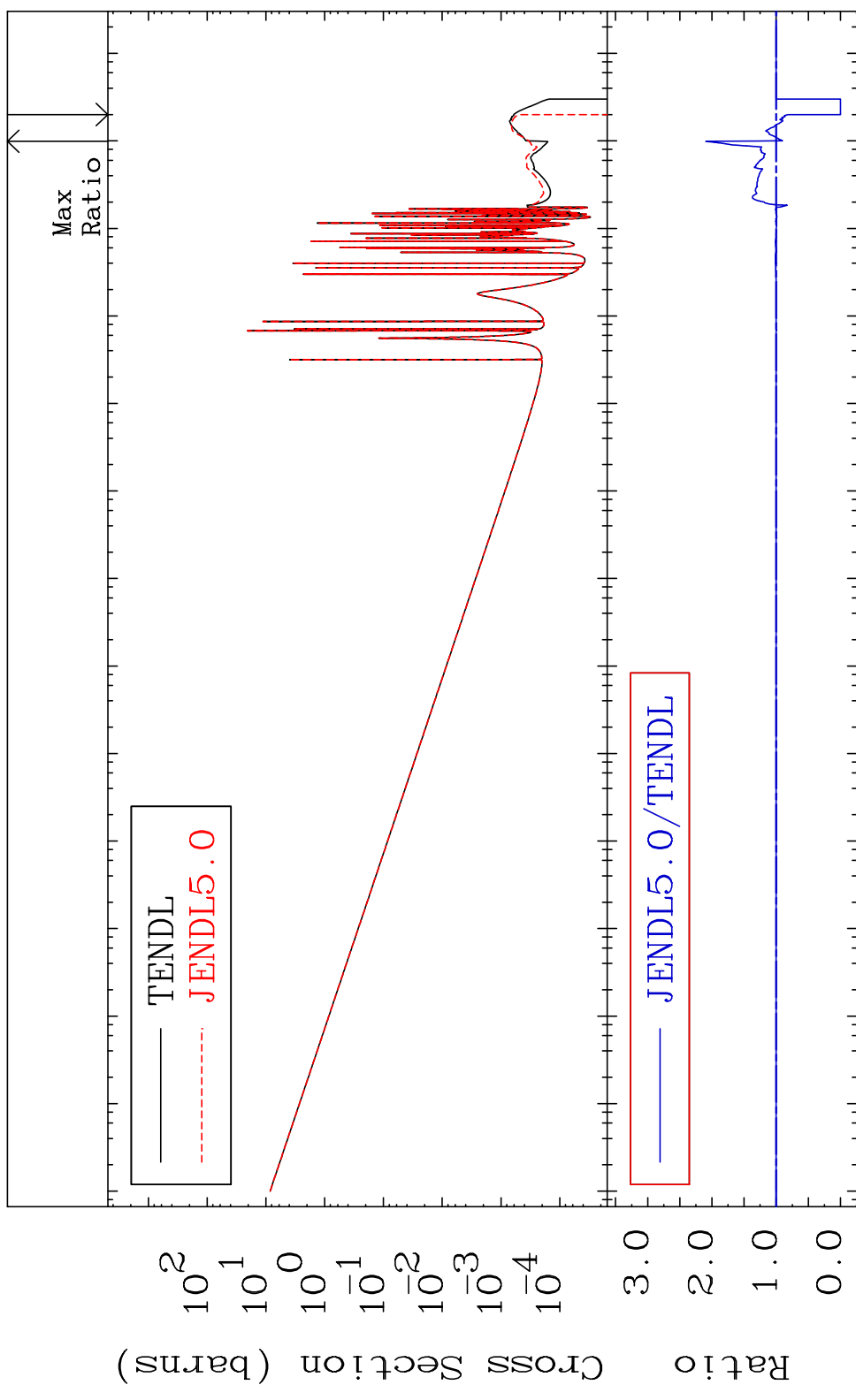
14-Si-28

MAT 1425

(n, γ)

14-Si-28

Cross Section -100.0 To 109.6 %

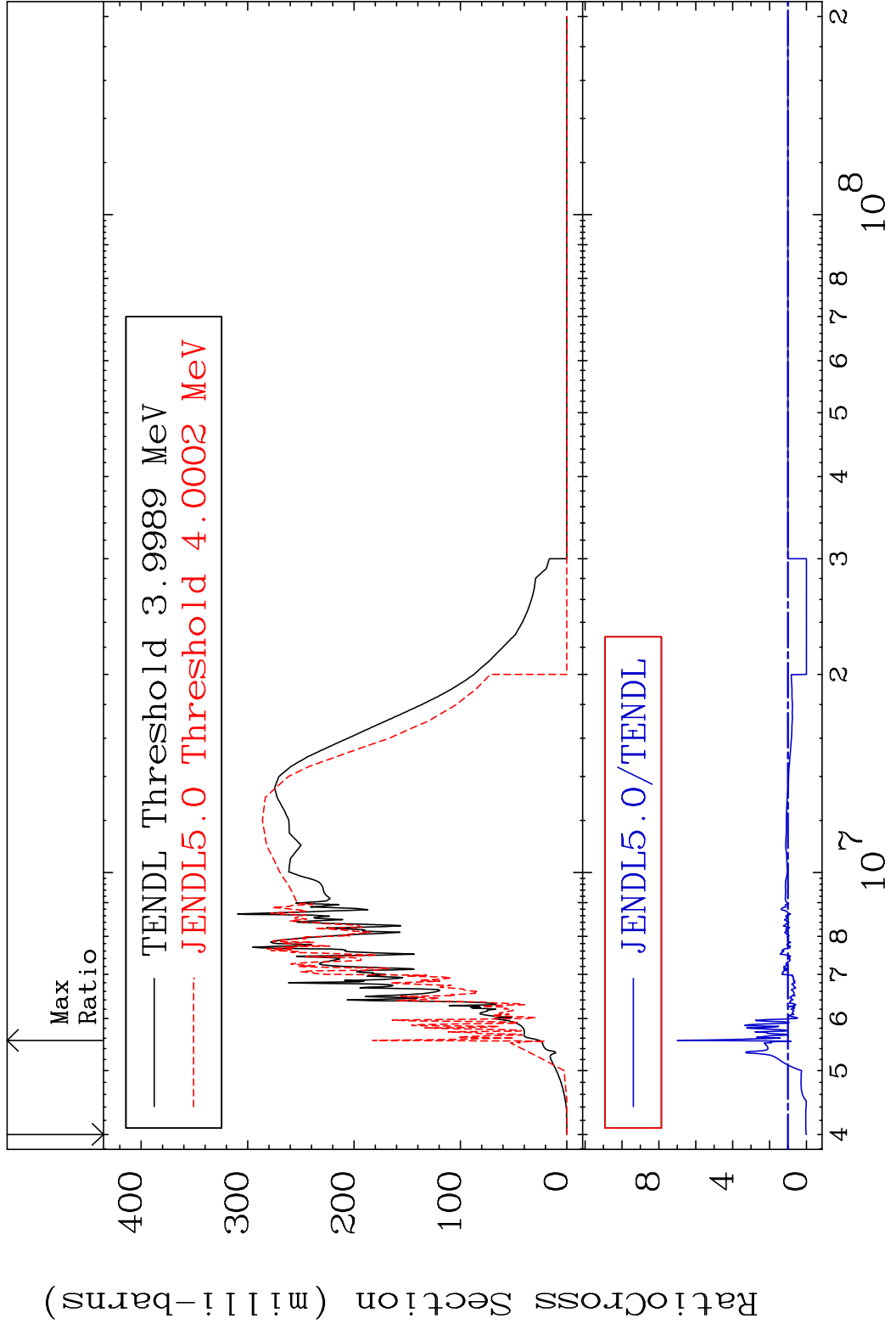


25

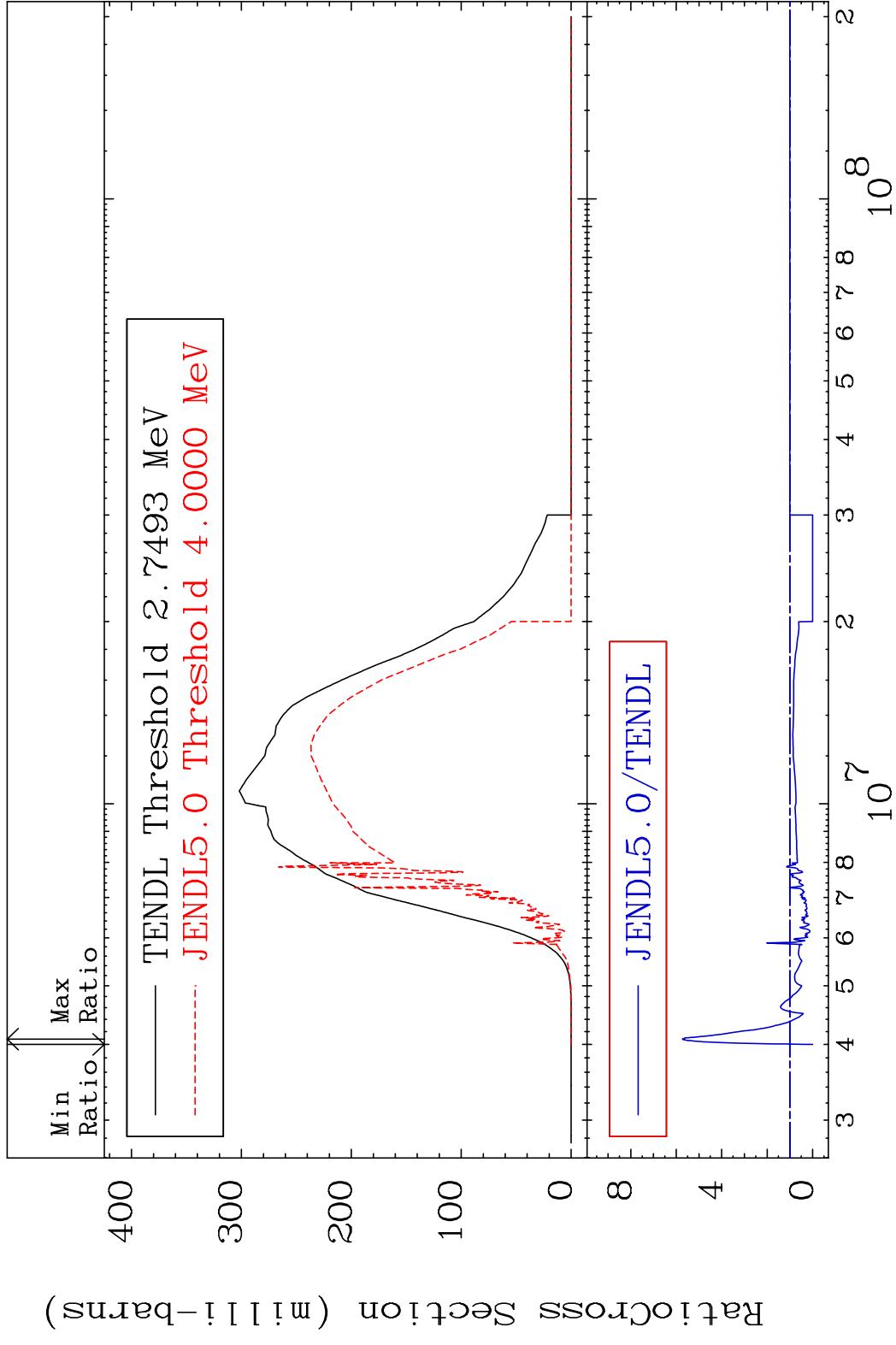
Incident Energy (eV)

14-Si-28

MAT 1425 (n,p) 14-Si-28
 Cross Section -100.0 To 600.7 %



MAT 1425 (n, α) 14-Si-28
 Cross Section -100.0 To 473.1 %

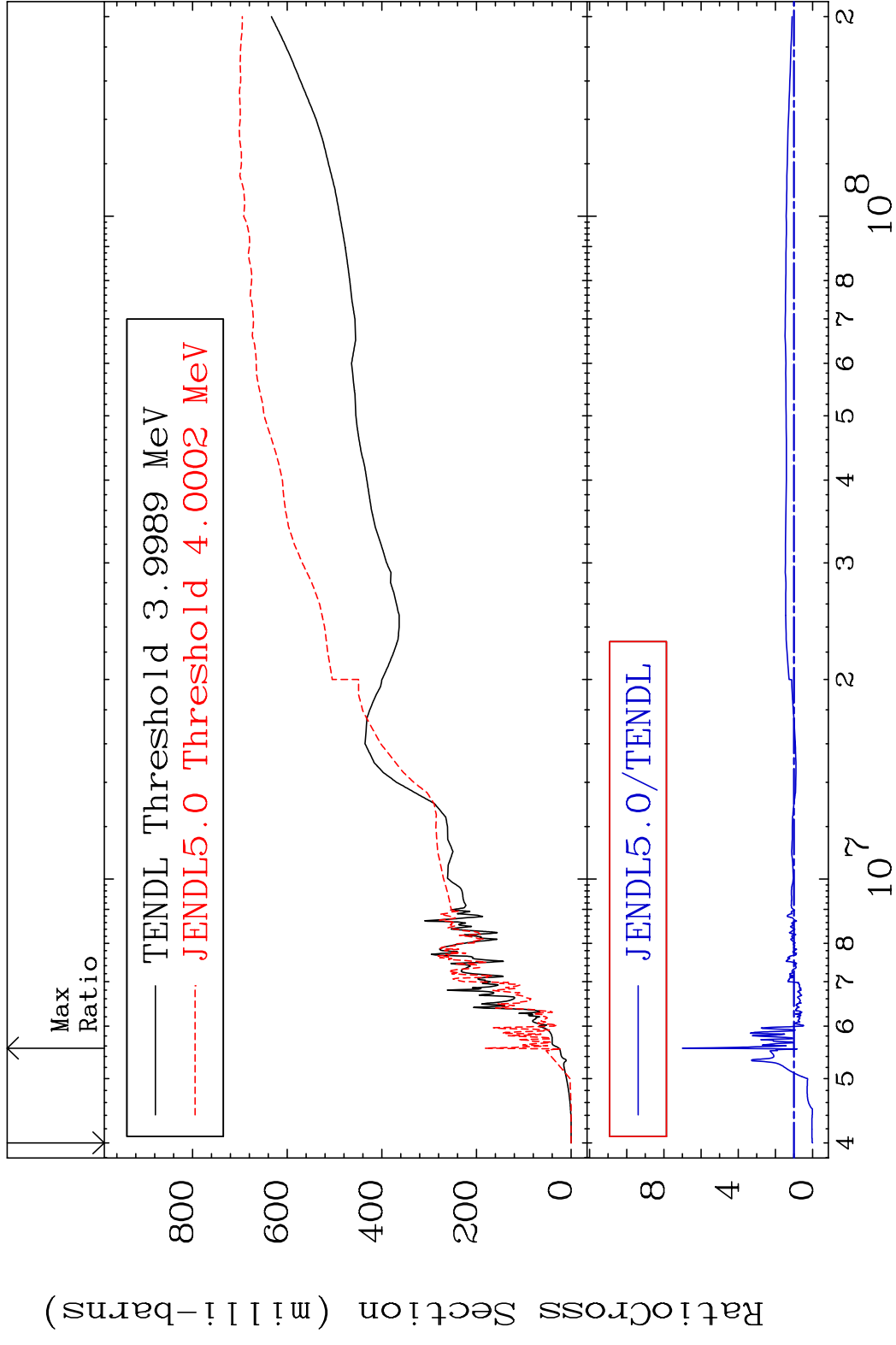


MAT 1425

Hydrogen Production

¹⁴Si-28

Cross Section -100.0 To 600.7 %

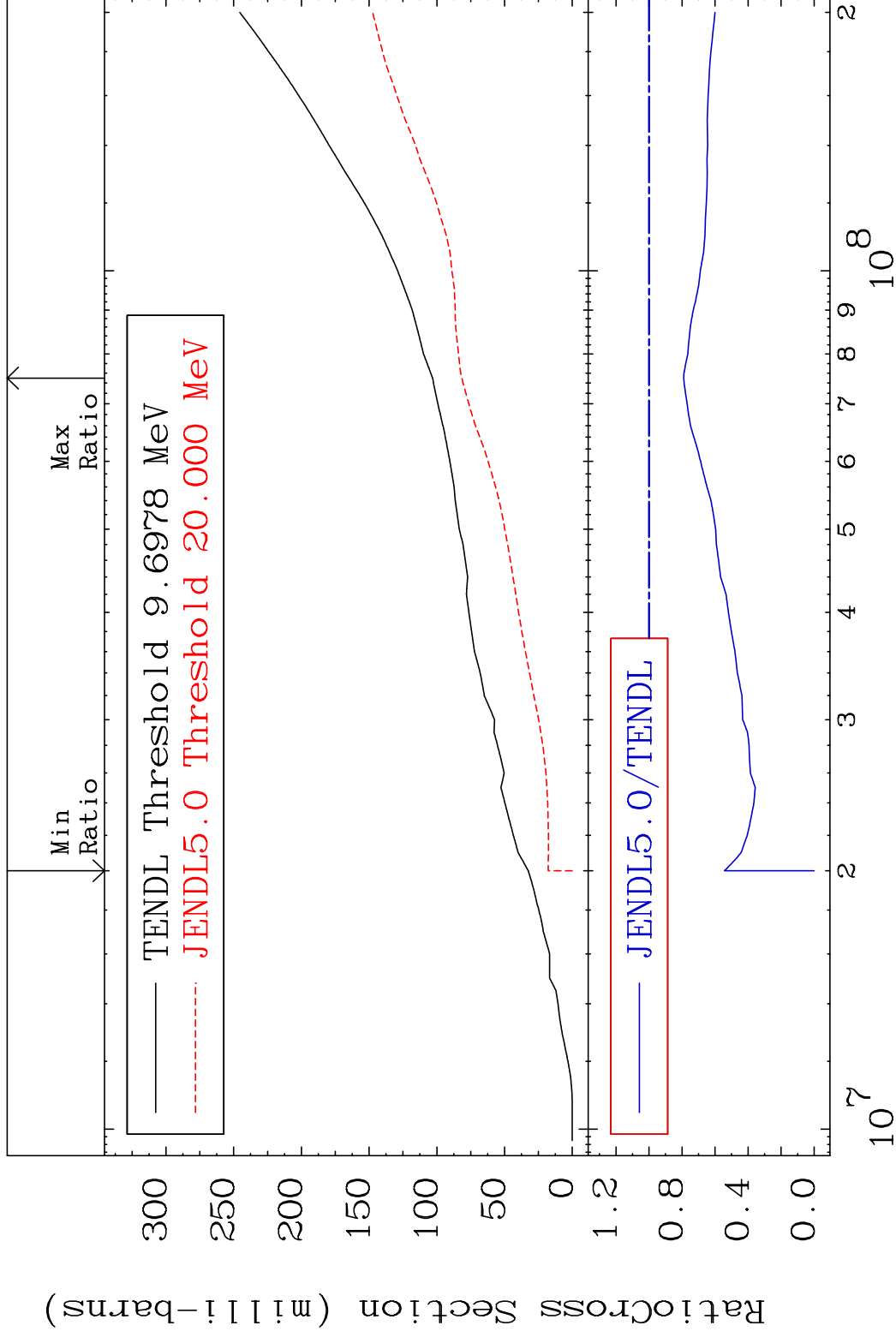


MAT 1425

Deuterium Production

¹⁴Si-28

Cross Section -100.0 To -20.99%

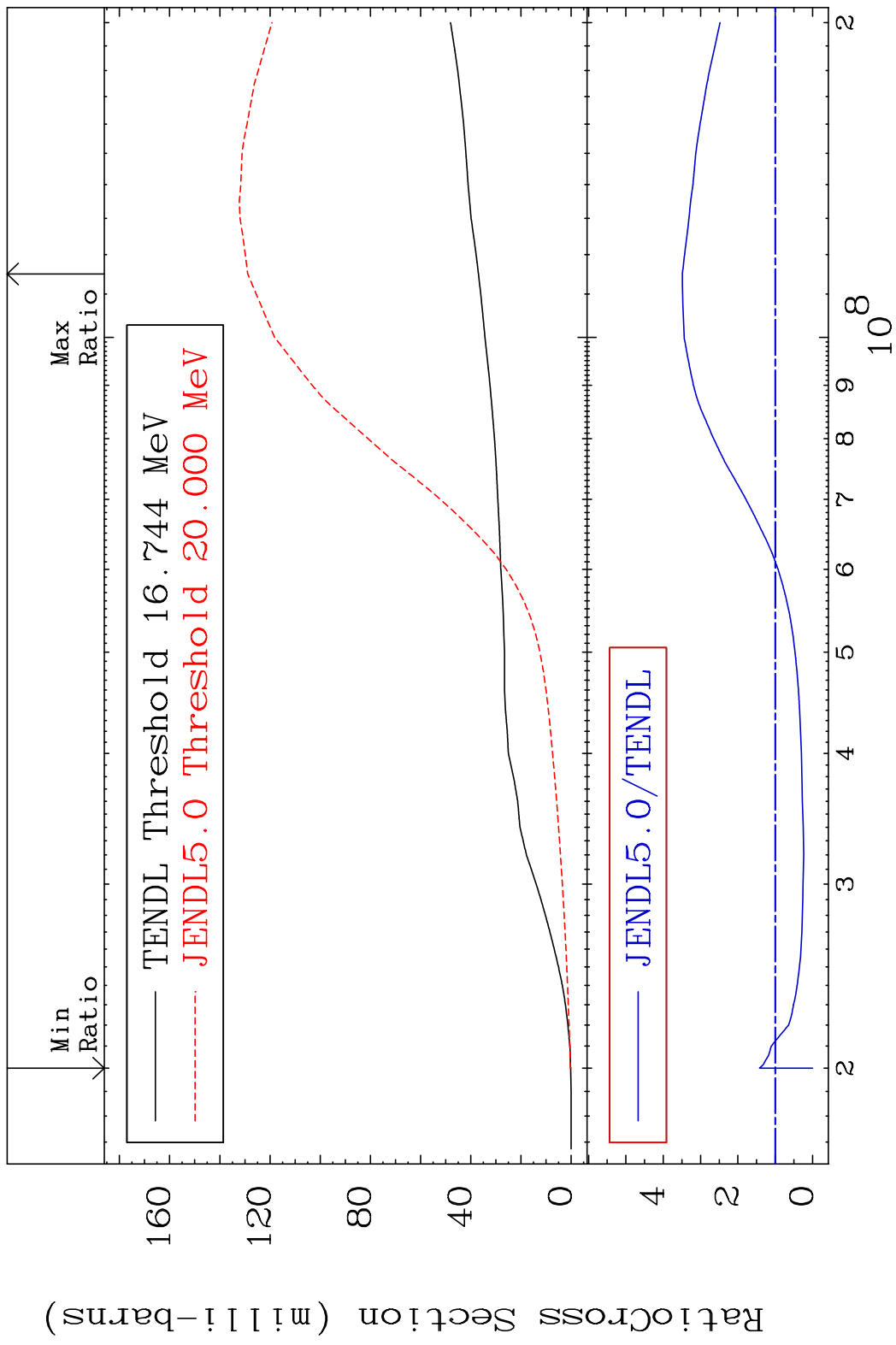


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Incident Energy (eV)

¹⁴Si-28

MAT 1425 Tritium Production 14-Si-28
 Cross Section -100.0 To 248.8 %



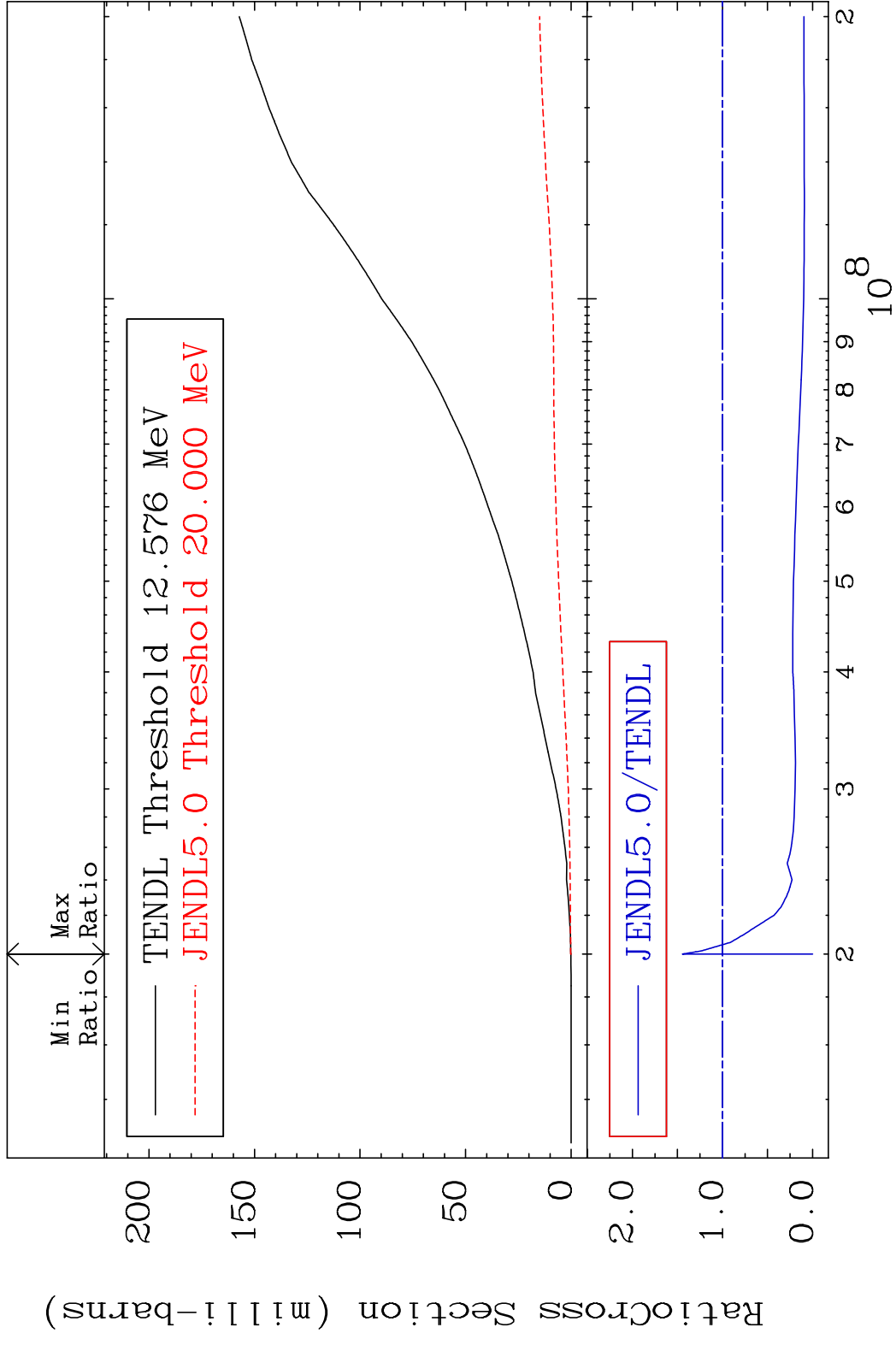
30 Incident Energy (eV) 14-Si-28

MAT 1425

He-3 Production

14-Si-28

Cross Section -100.0 To 44.57 %

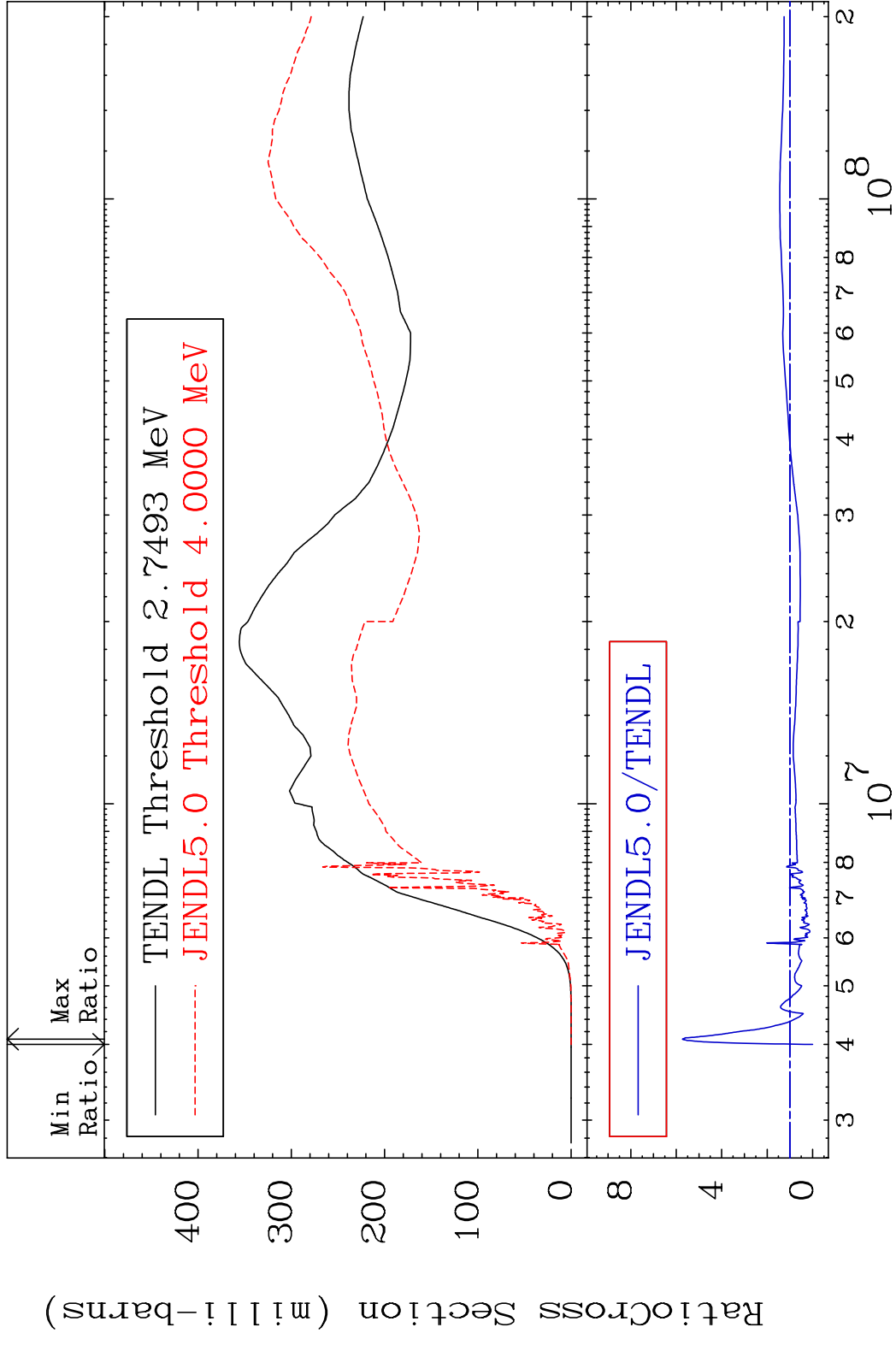


MAT 1425

He-4 Production

14-Si-28

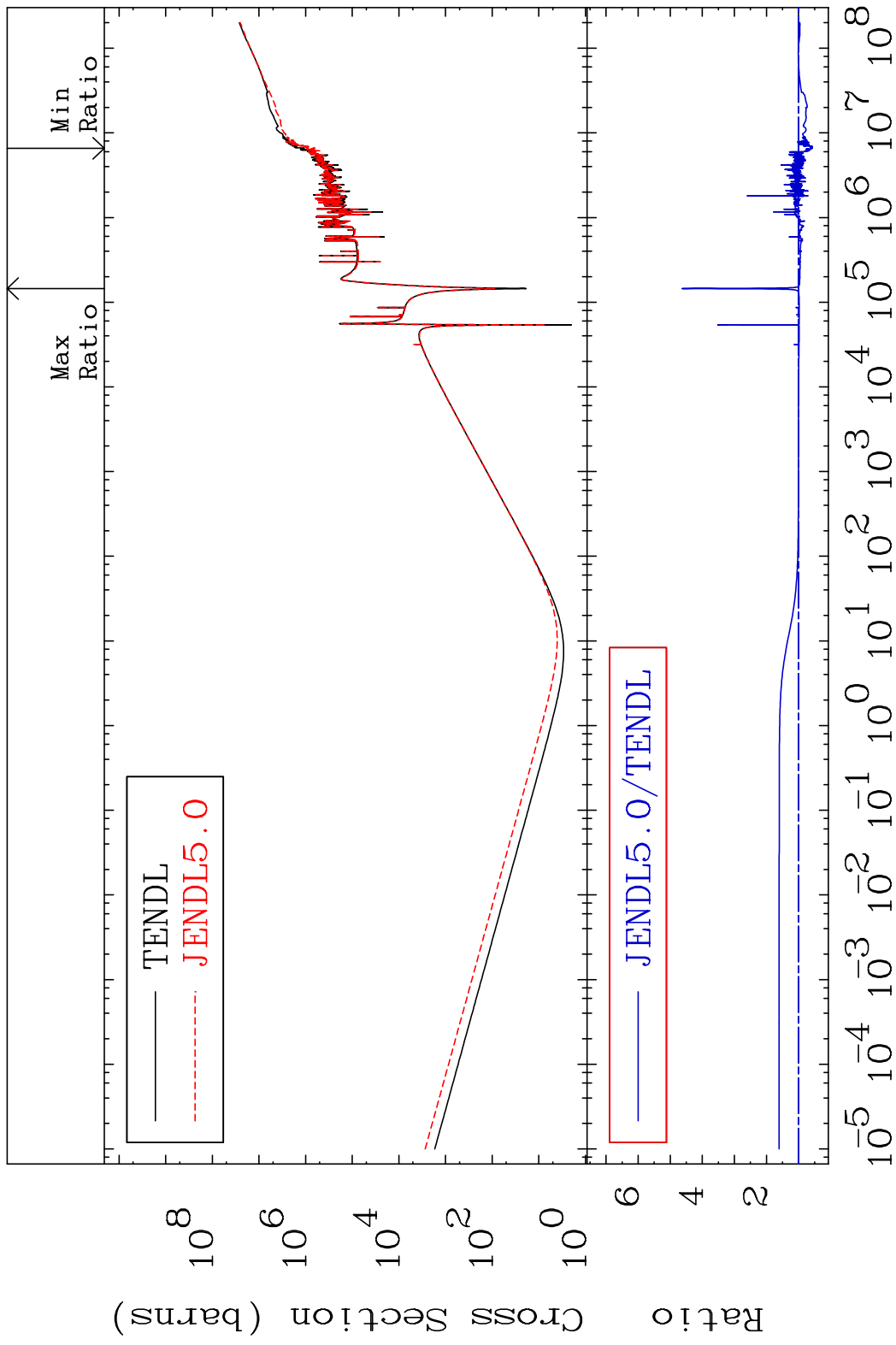
Cross Section -100.0 To 473.1 %



32

14-Si-28

MAT 1425 Kerma total (eV-barns) 14-Si-28
 Cross Section -43.777 To 362.2 %

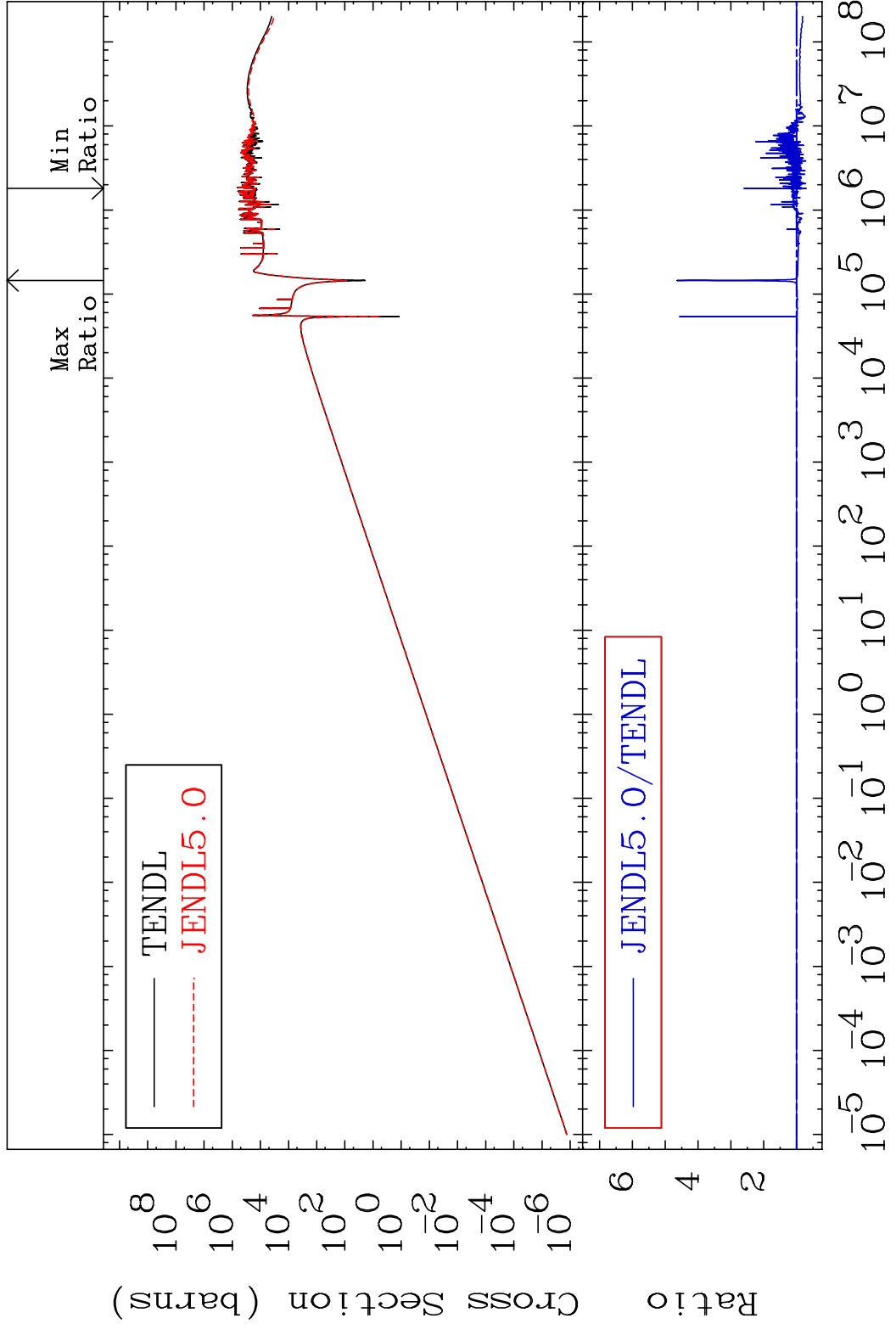


33 Incident Energy (eV) 14-Si-28

MAT 1425

Kerma elastic
Cross Section -30.18 To 363.6 %

14-Si-28

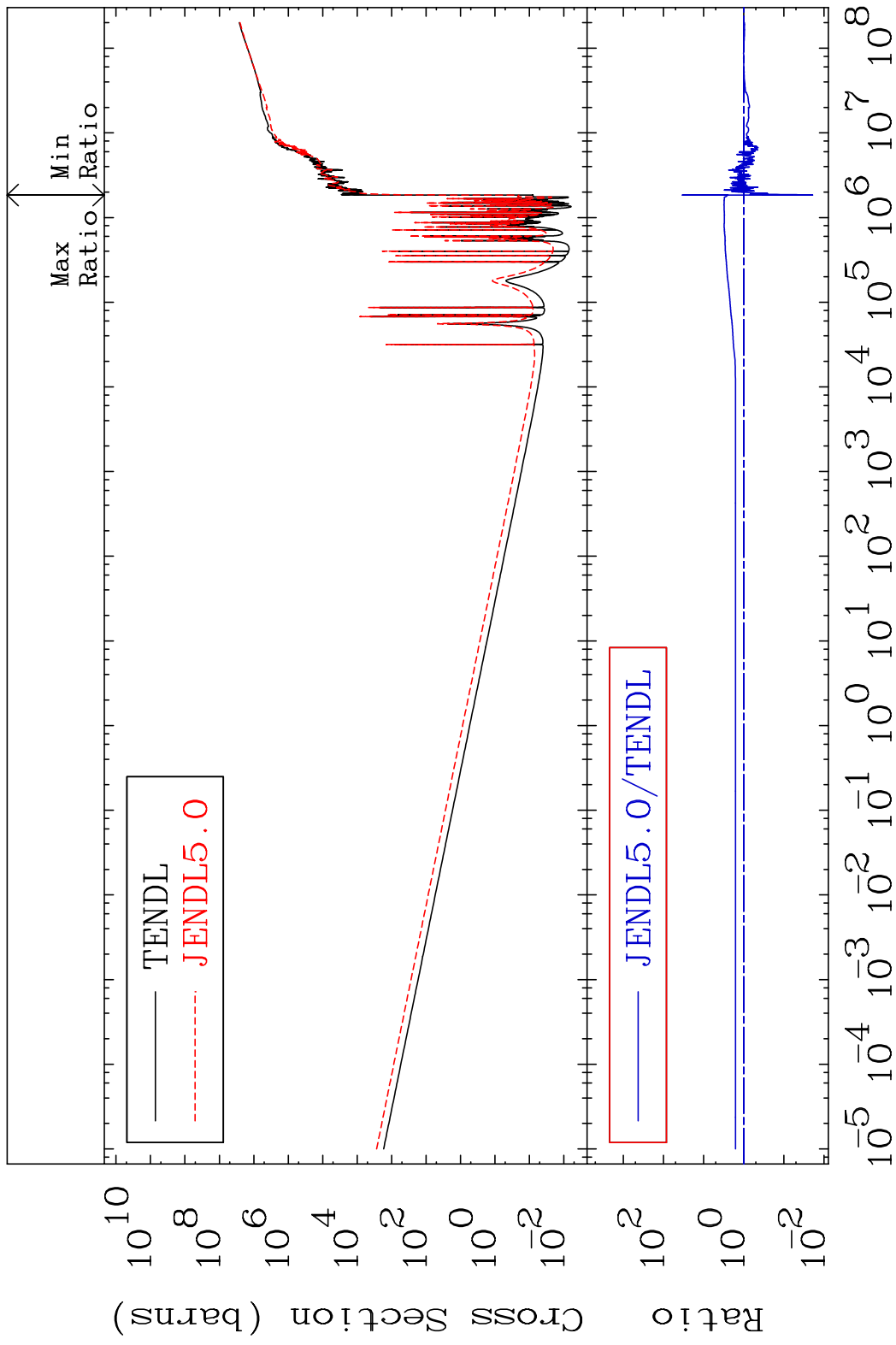


34

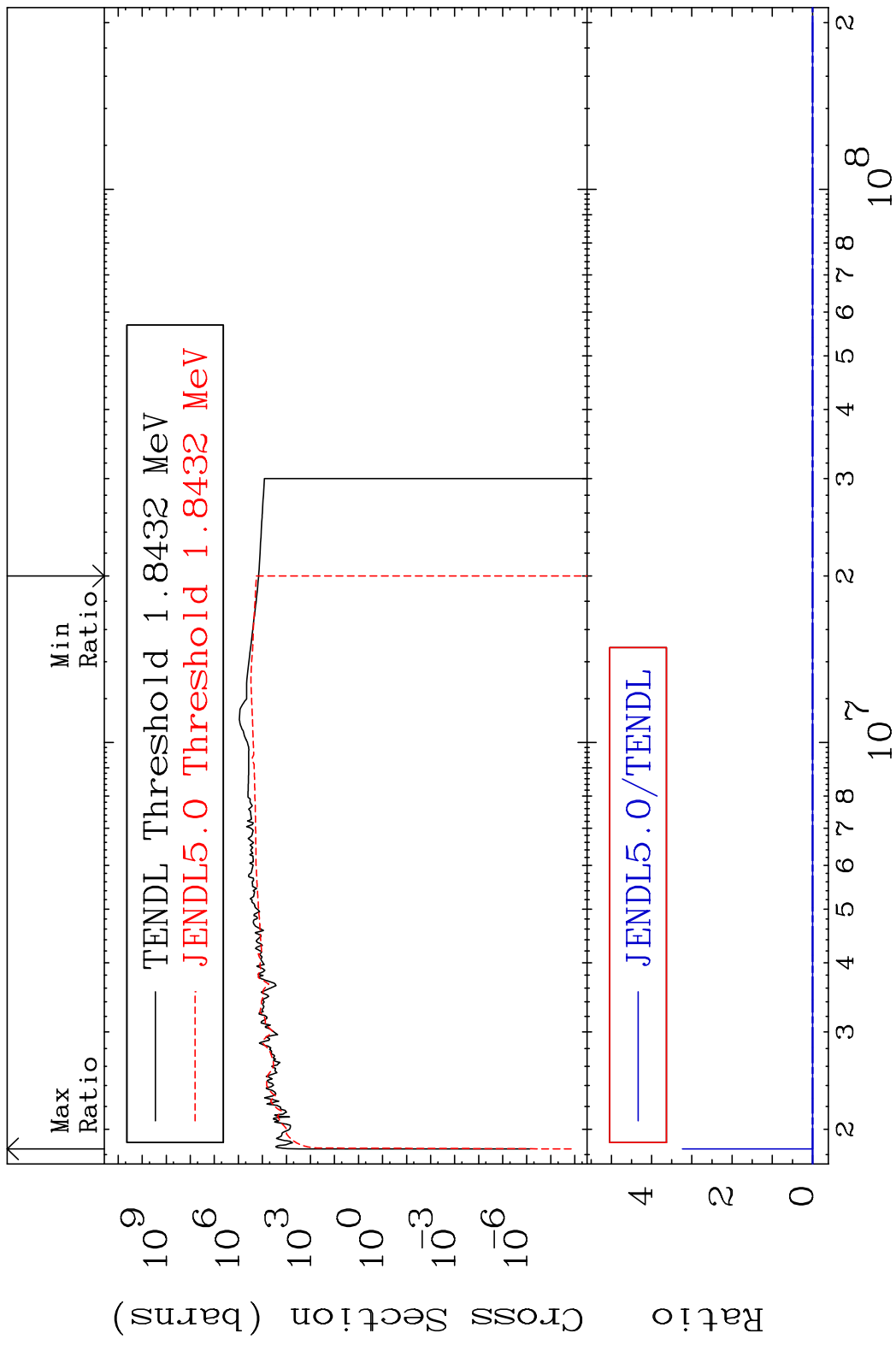
Incident Energy (eV)

14-Si-28

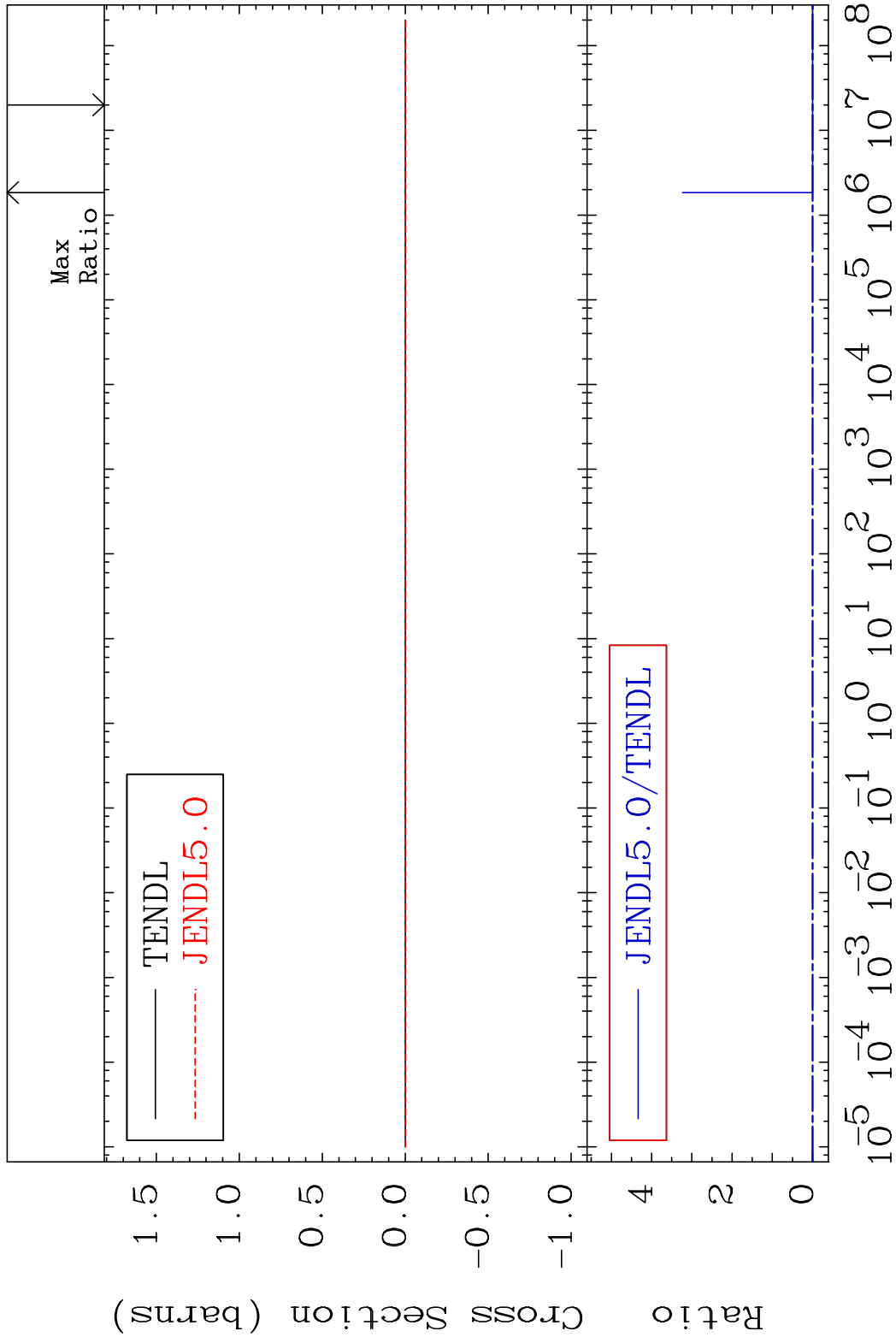
MAT 1425 Kerma non-elastic (all but mt2) 14-Si-28
 Cross Section -98.06 To 3278. %



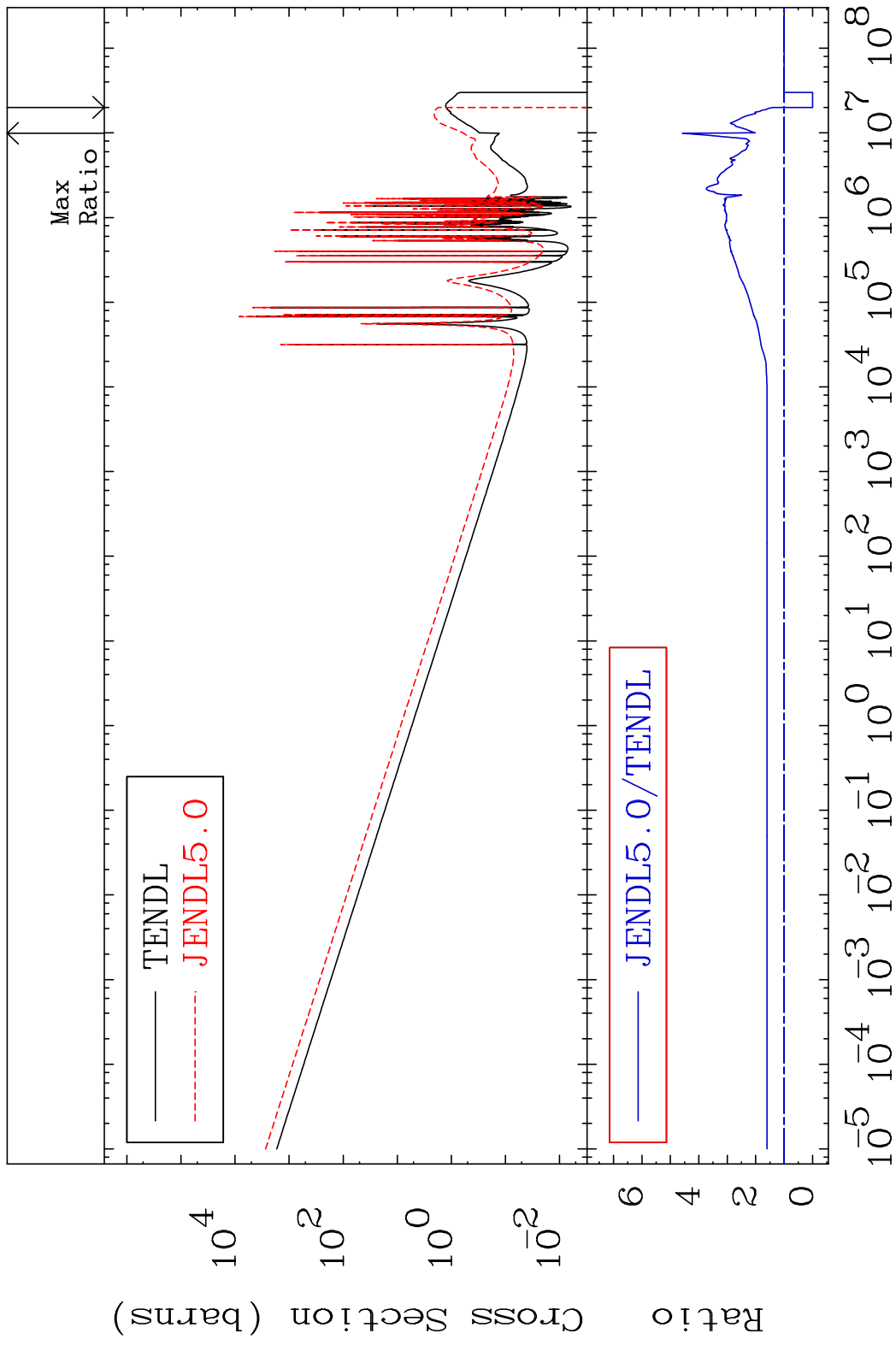
MAT 1425 Kerma inelastic (mt51-91) 14-Si-28
 Cross Section -100.0 To 9999. %



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



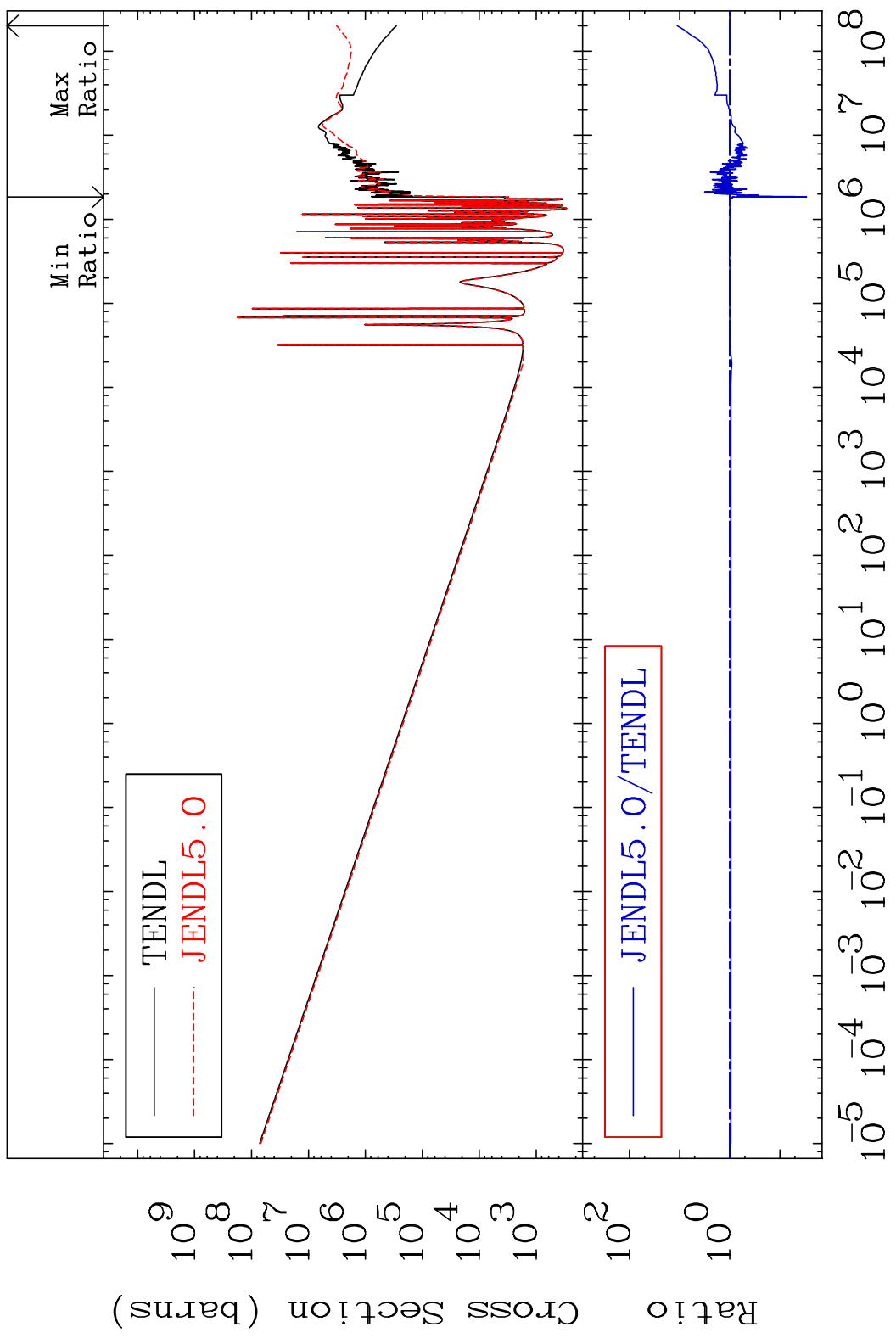
MAT 1425 Kerma capture (mt102) 14-Si-28
 Cross Section -100.0 To 357.8 %



38 Incident Energy (eV) 14-Si-28

MAT 1425

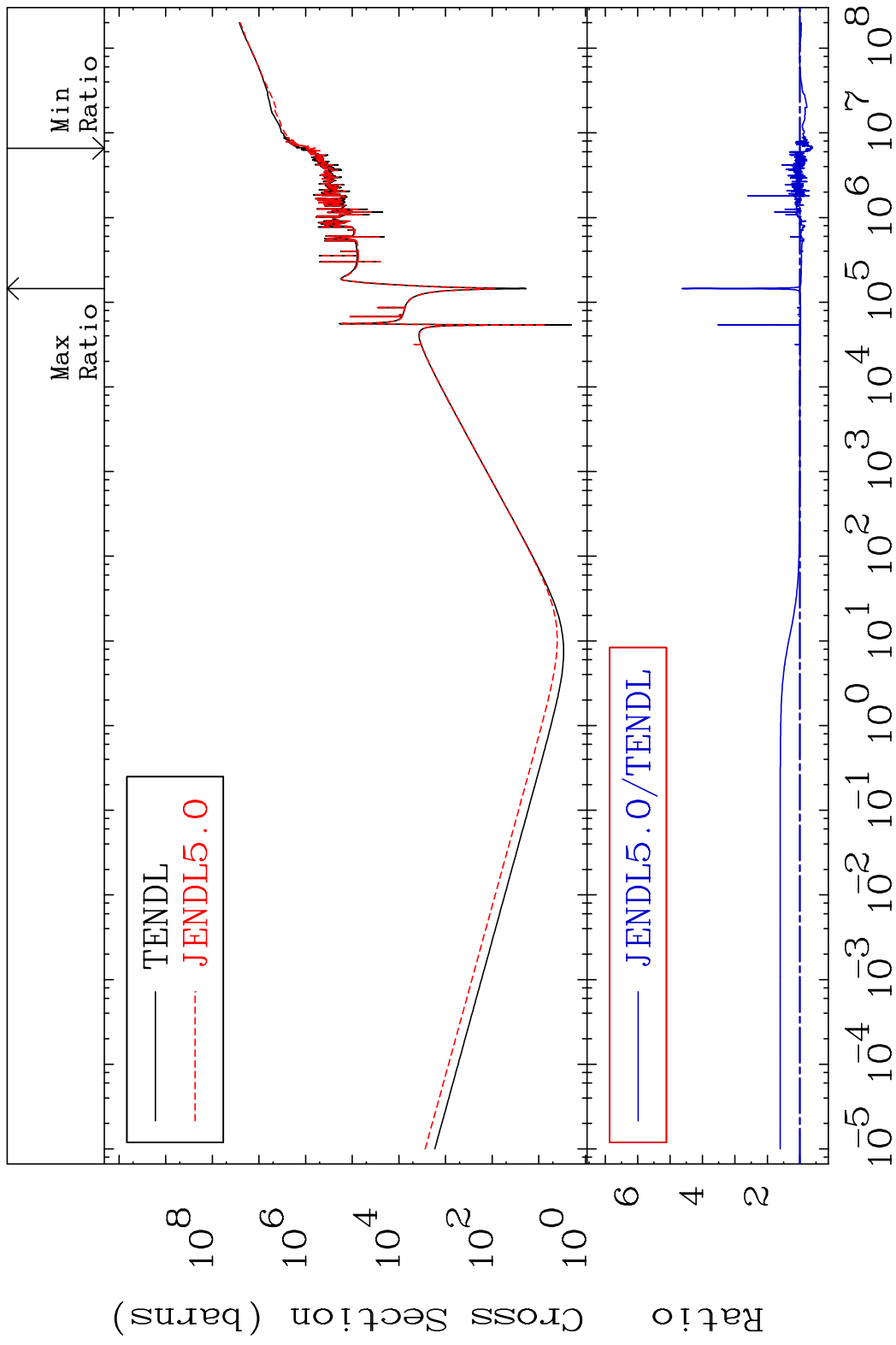
Total photon (eV-barns) 14-Si-28
Cross Section -97.04 To 1018. %



39

Incident Energy (eV) 14-Si-28

MAT 1425 Total kinematic kerma (high limit) 14-Si-28
Cross Section -39.41 To 362.2 %



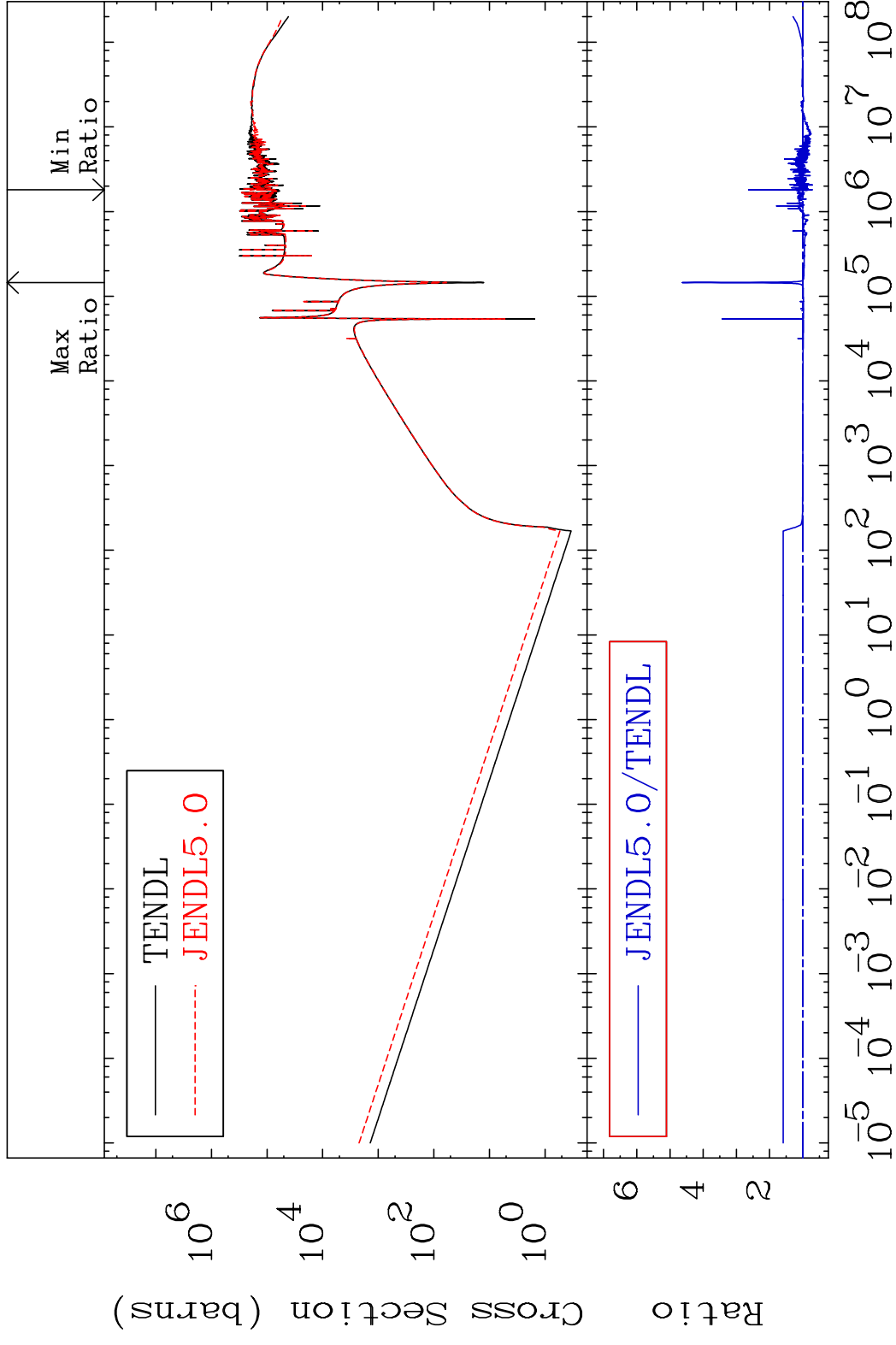
40 Incident Energy (eV) 14-Si-28

MAT 1425

Dpa total (eV-barns)

14-Si-28

Cross Section -29.41 To 362.7 %



41

Incident Energy (eV)

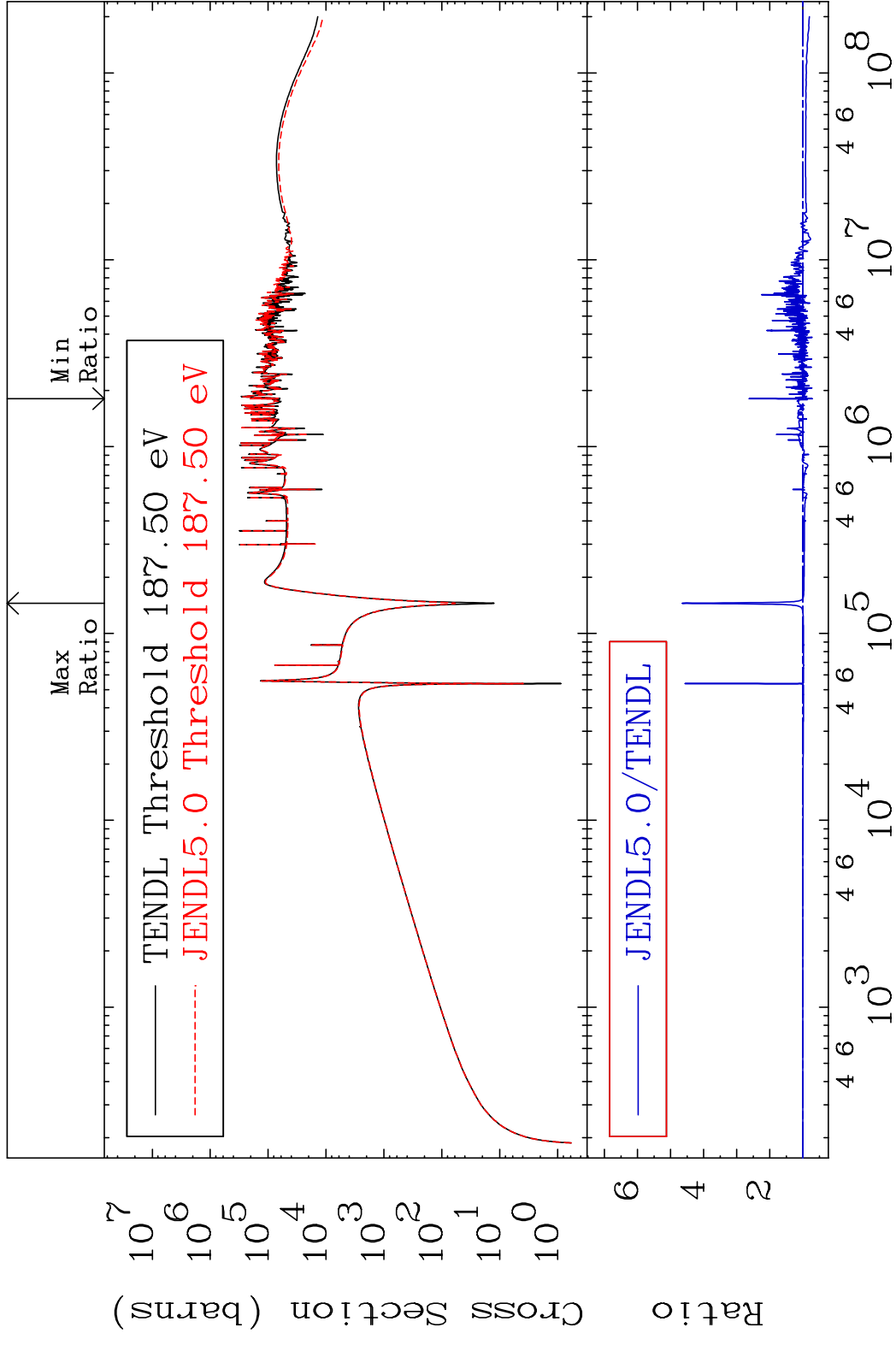
14-Si-28

MAT 1425

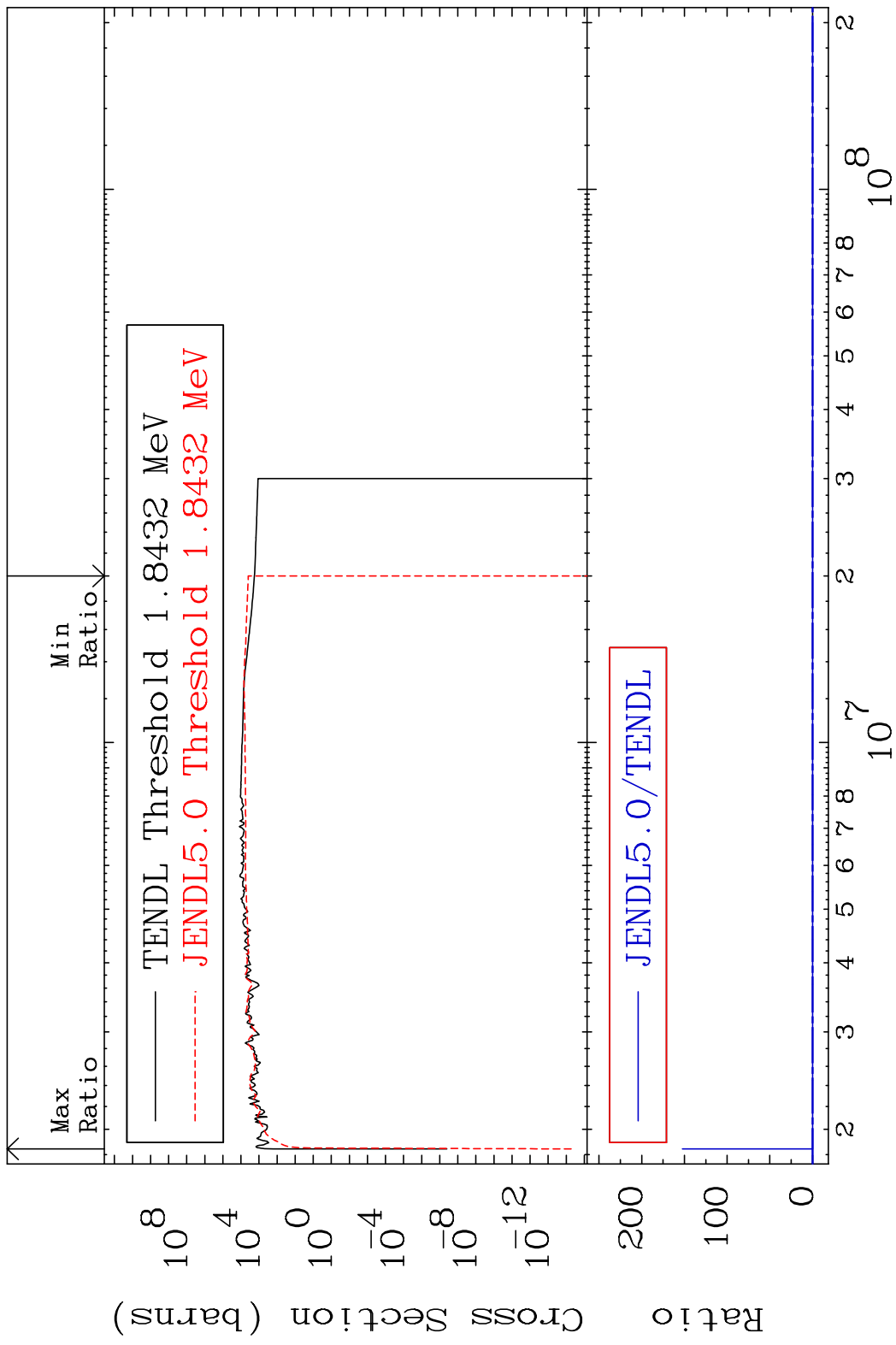
Dpa elastic (mt2)

14-Si-28

Cross Section -29.41 To 364.5 %

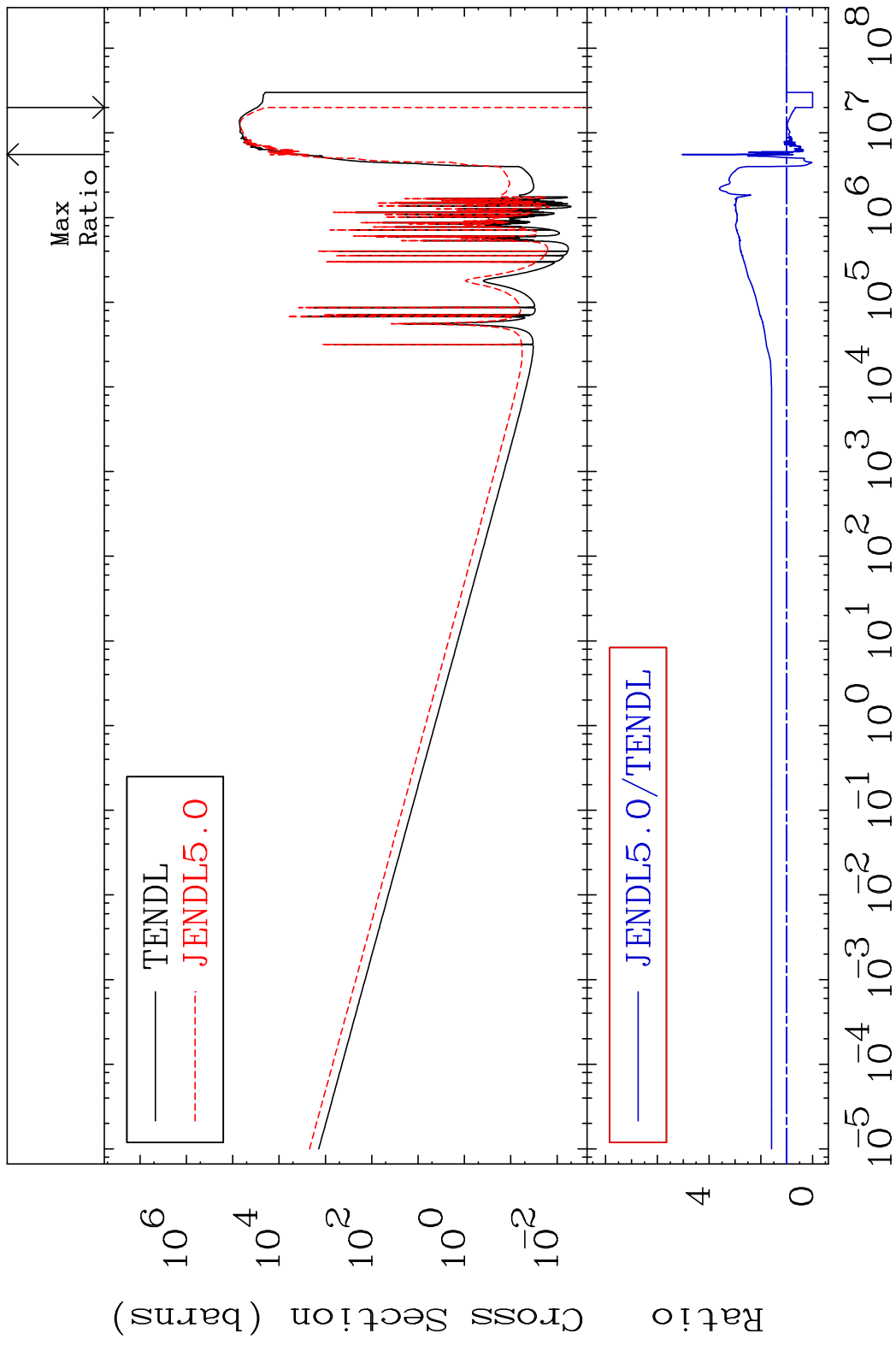


MAT 1425 Dpa inelastic (mt51-91) 14-Si-28
 Cross Section -100.0 To 9999. %



43 Incident Energy (eV) 14-Si-28

MAT 1425 Dpa disappearance (mt102 -120) 14-Si-28
 Cross Section -100.0 To 403.4 %

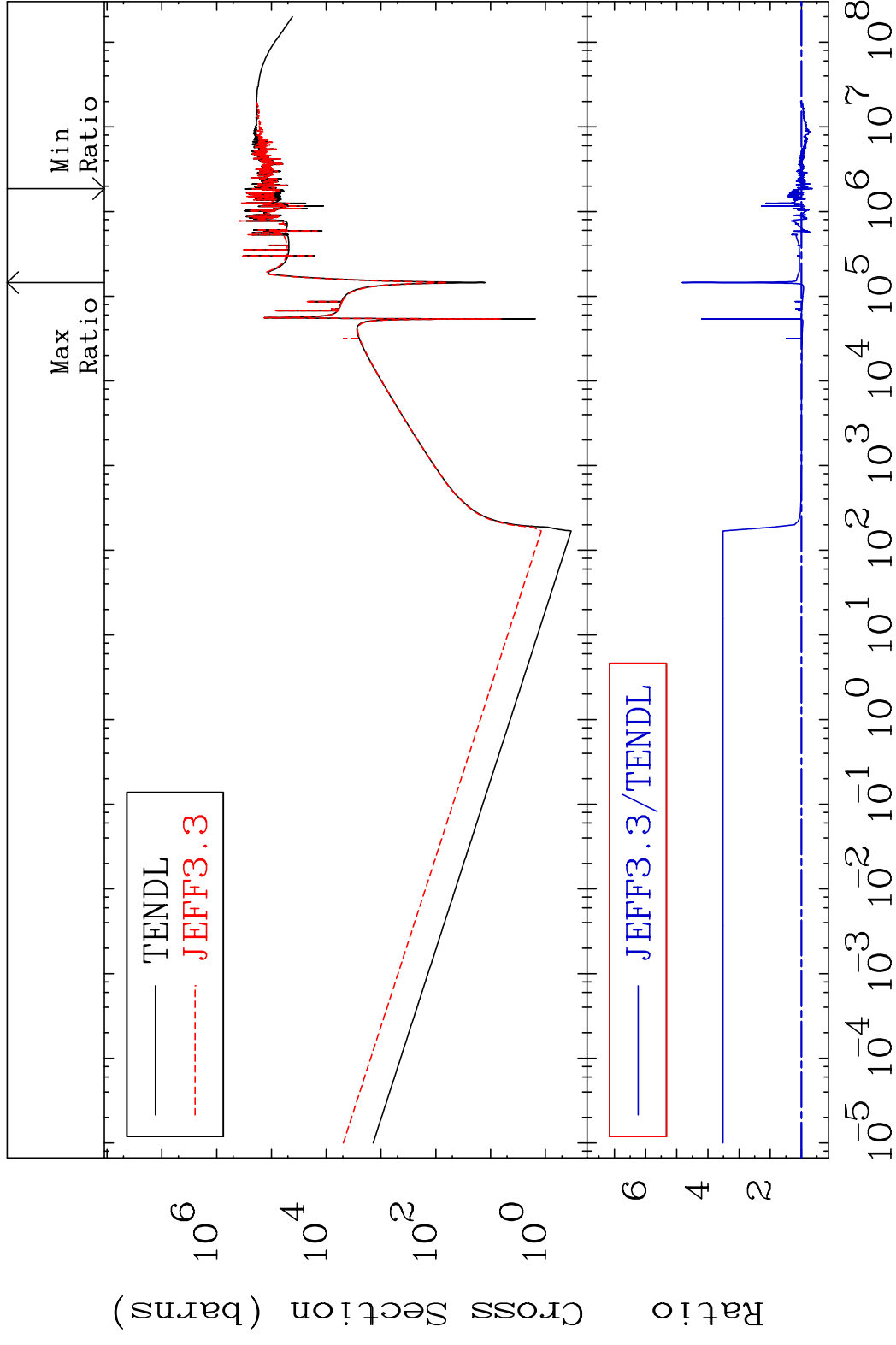


MAT 1425

Dpa total (eV-barns)

14-Si-28

Cross Section -35.75 To 382.1 %



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Incident Energy (eV)

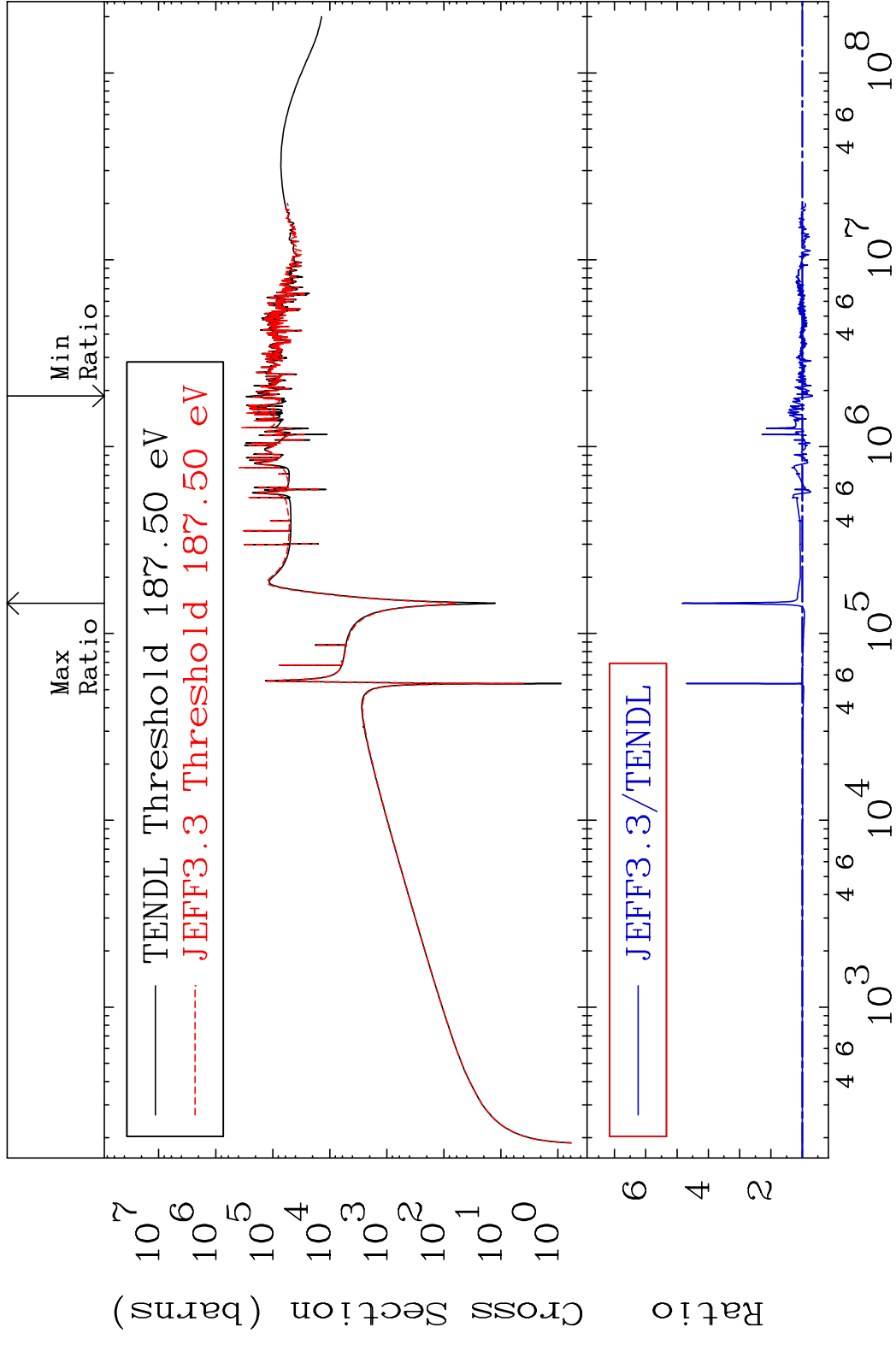
14-Si-28

MAT 1425

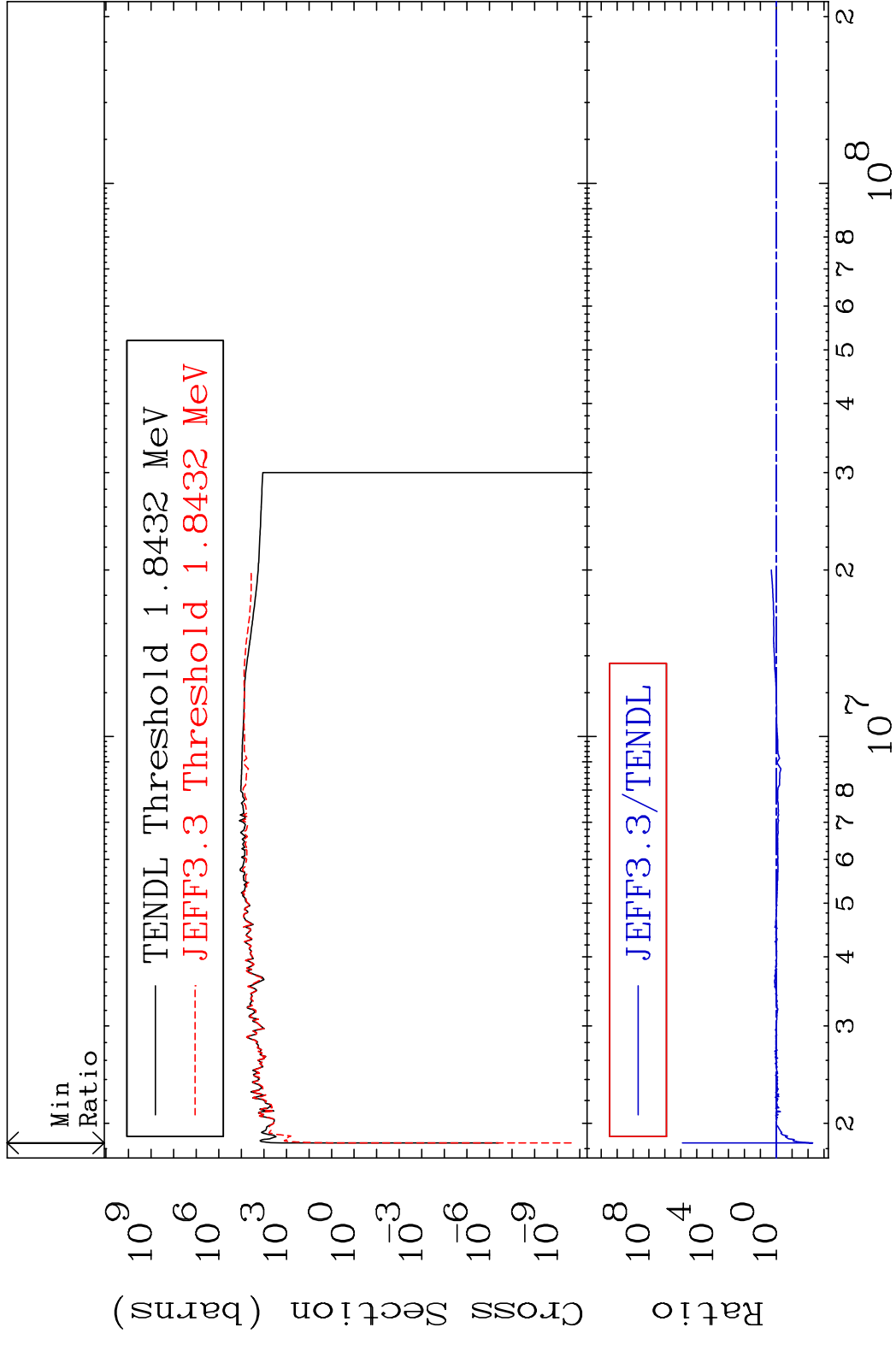
Dpa elastic (mt2)

¹⁴Si-28

Cross Section -32.93 To 383.0 %



MAT 1425 Dpa inelastic (mt51-91) 14-Si-28
 Cross Section -99.48 To 9999. %



MAT 1425 Dpa disappearance (mt102 -120) 14-Si-28
 Cross Section -40.29 To 2205. %

