

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550

U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

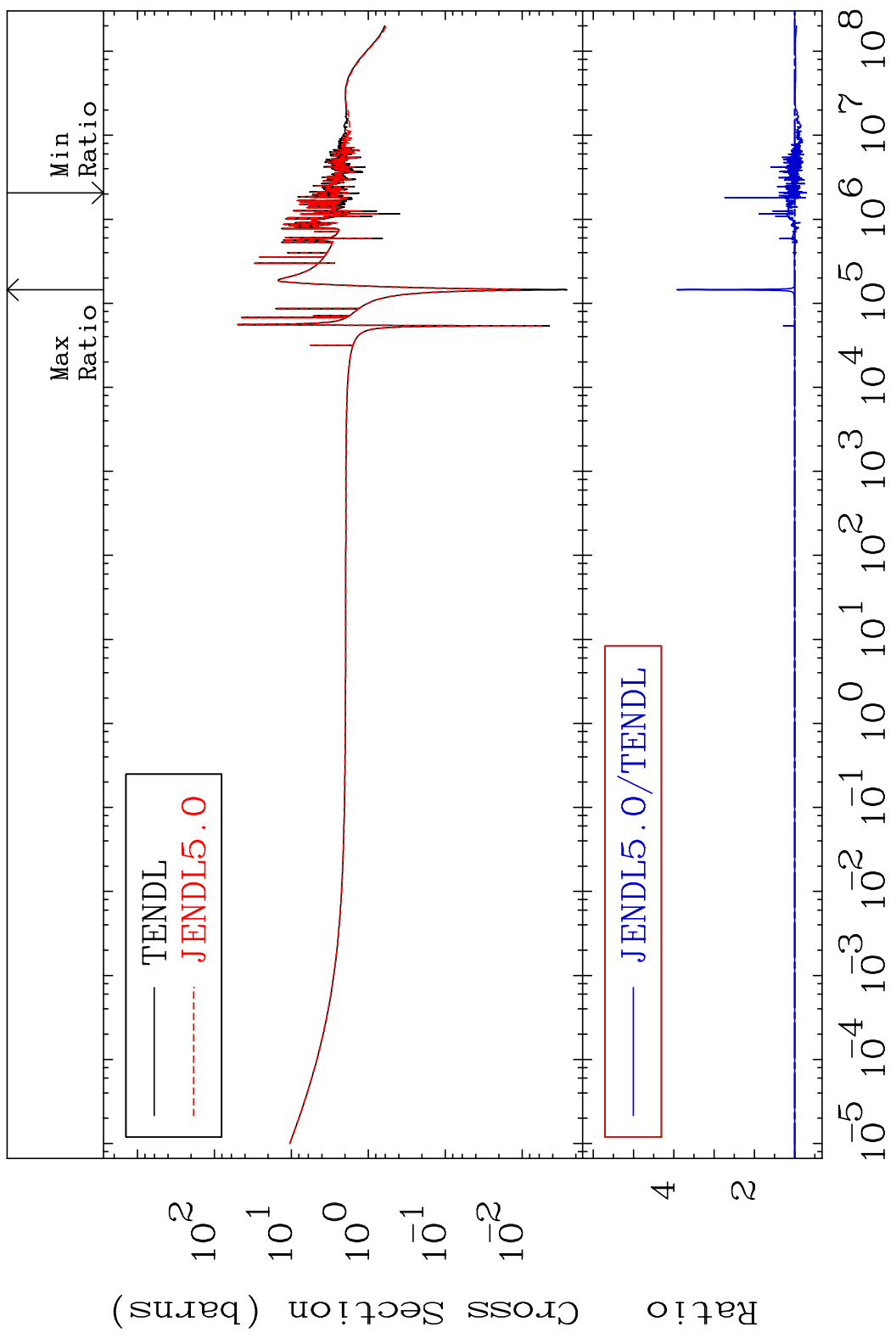
MAT 1425

Total

14-Si-28

Cross Section

-29.08 To 291.8 %



1

Incident Energy (eV)

14-Si-28

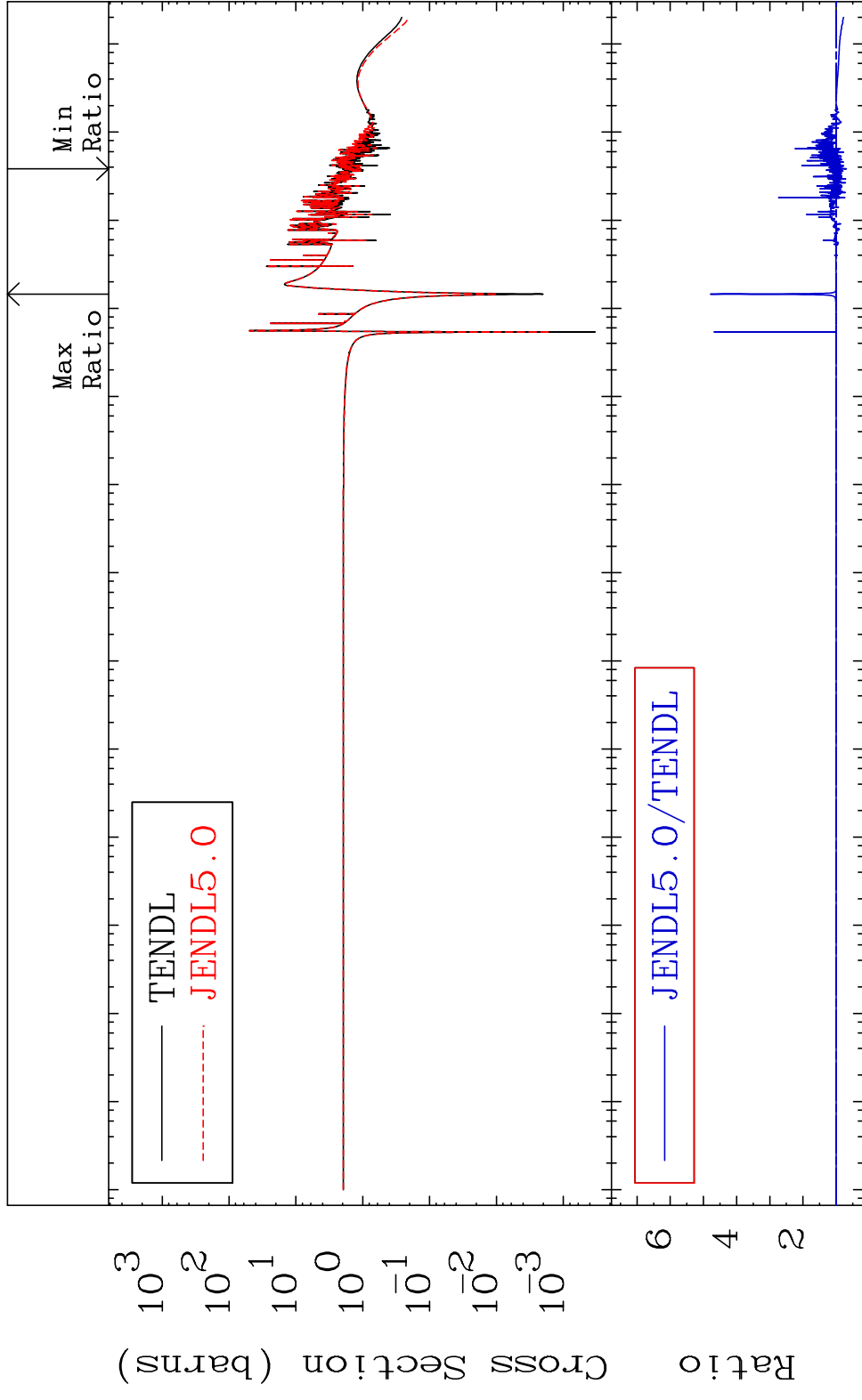
MAT 1425

Elastic

14-Si-28

Cross Section

-30.62 To 378.0 %

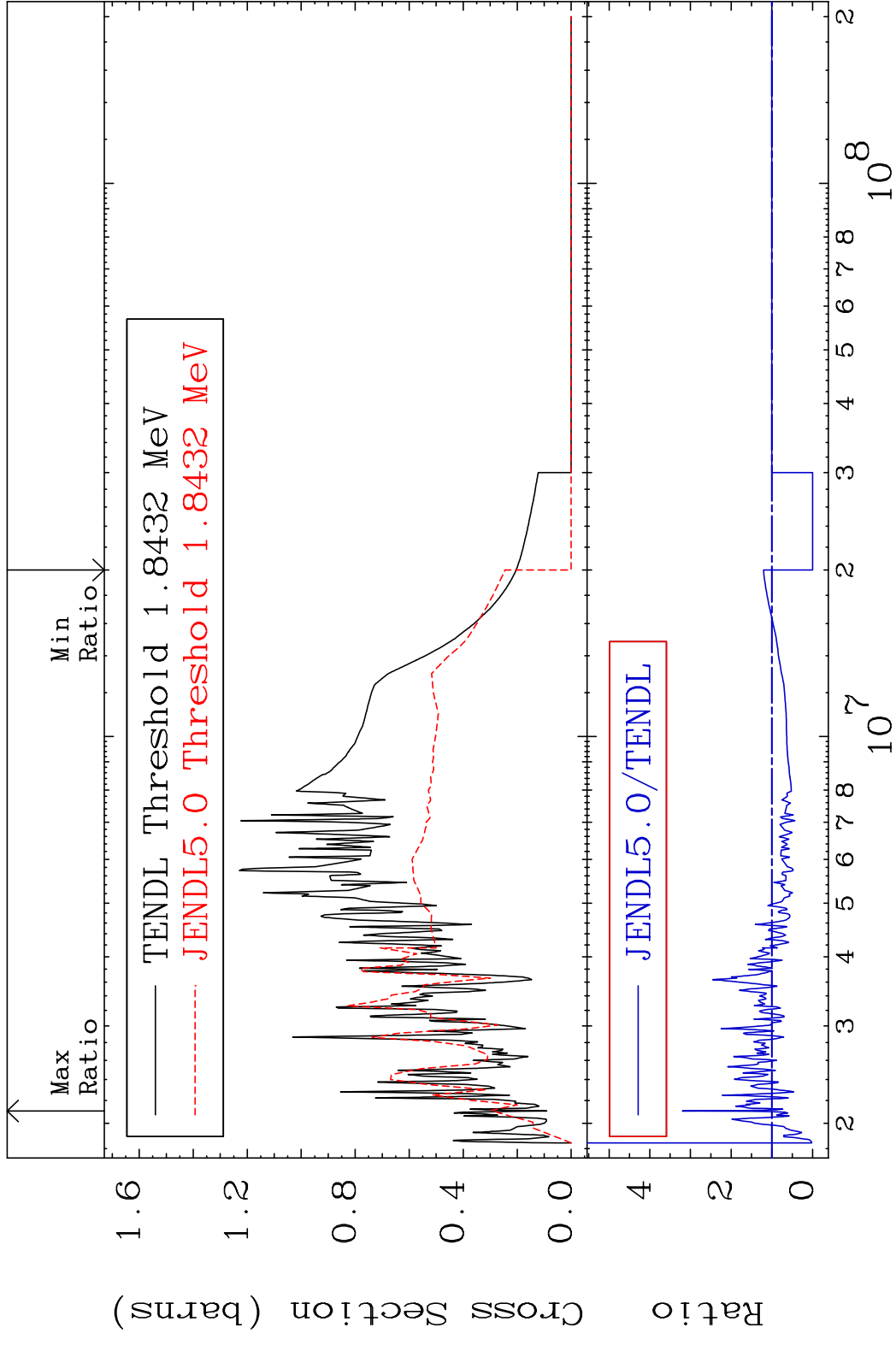


2

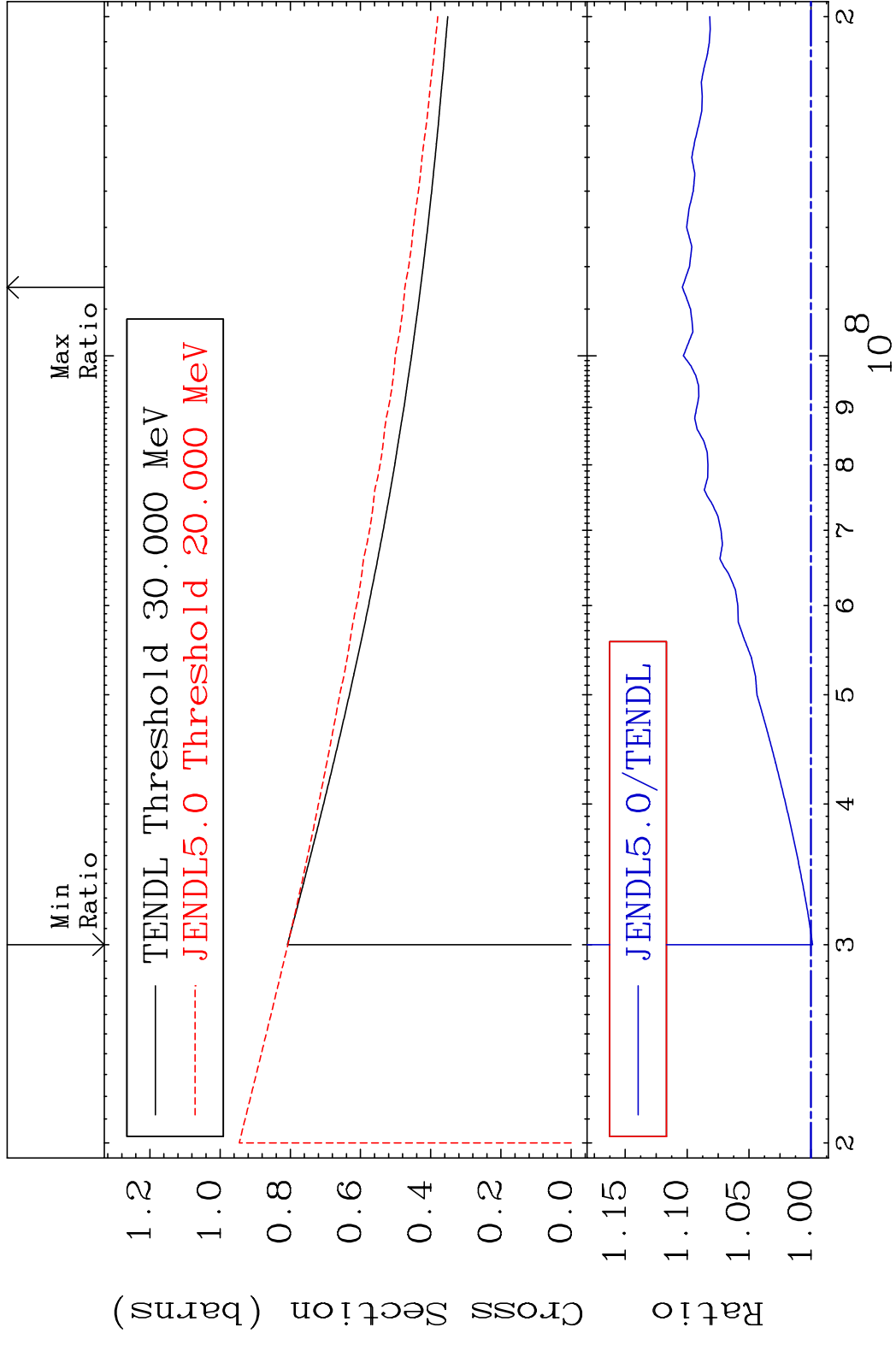
Incident Energy (eV)

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 -0.127 To 10.39 %



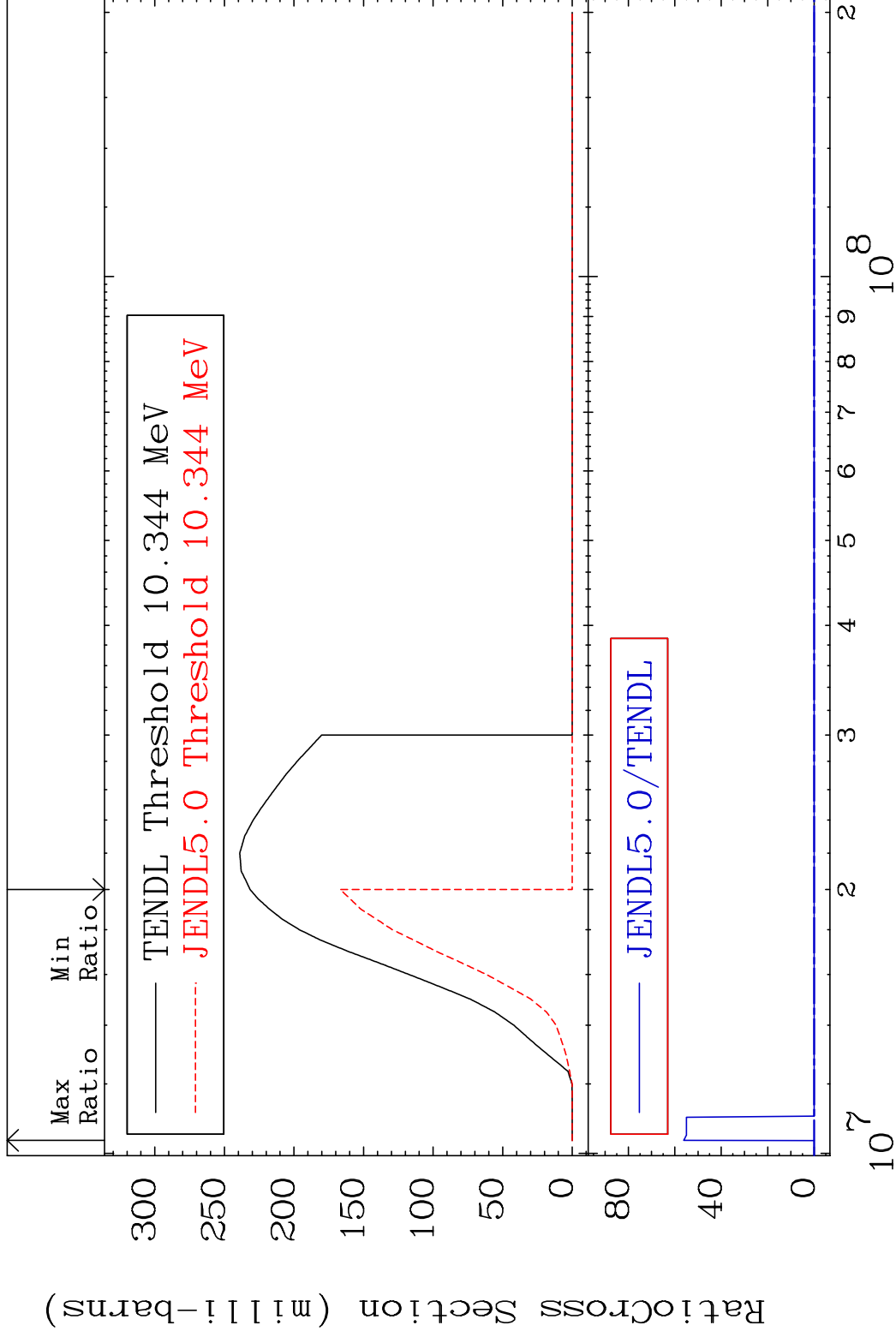
4 Incident Energy (eV) 14-Si-28

MAT 1425

(n, n') α

14-Si-28

Cross Section -100.0 To 9999. %

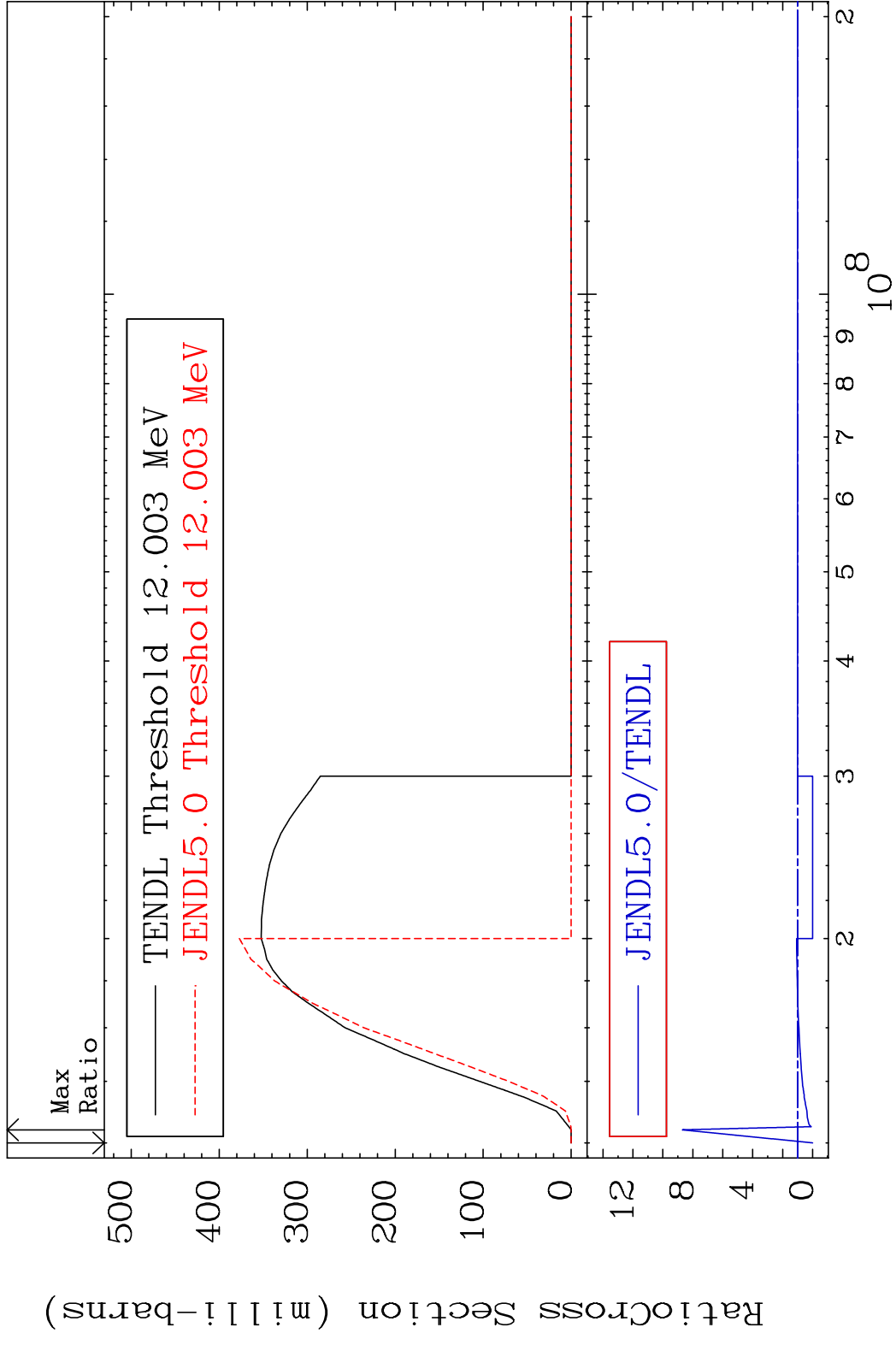


6

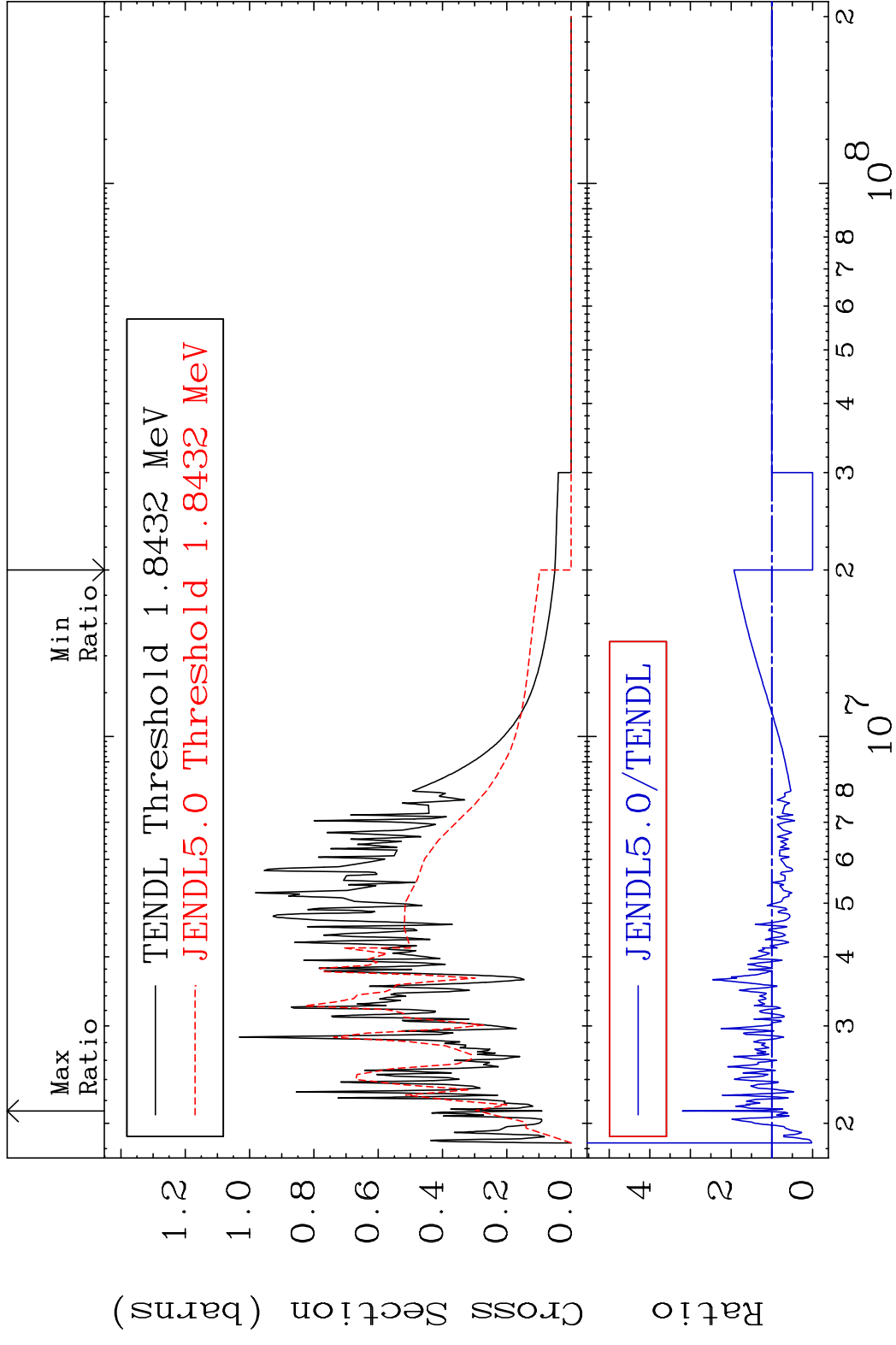
Incident Energy (eV)

14-Si-28

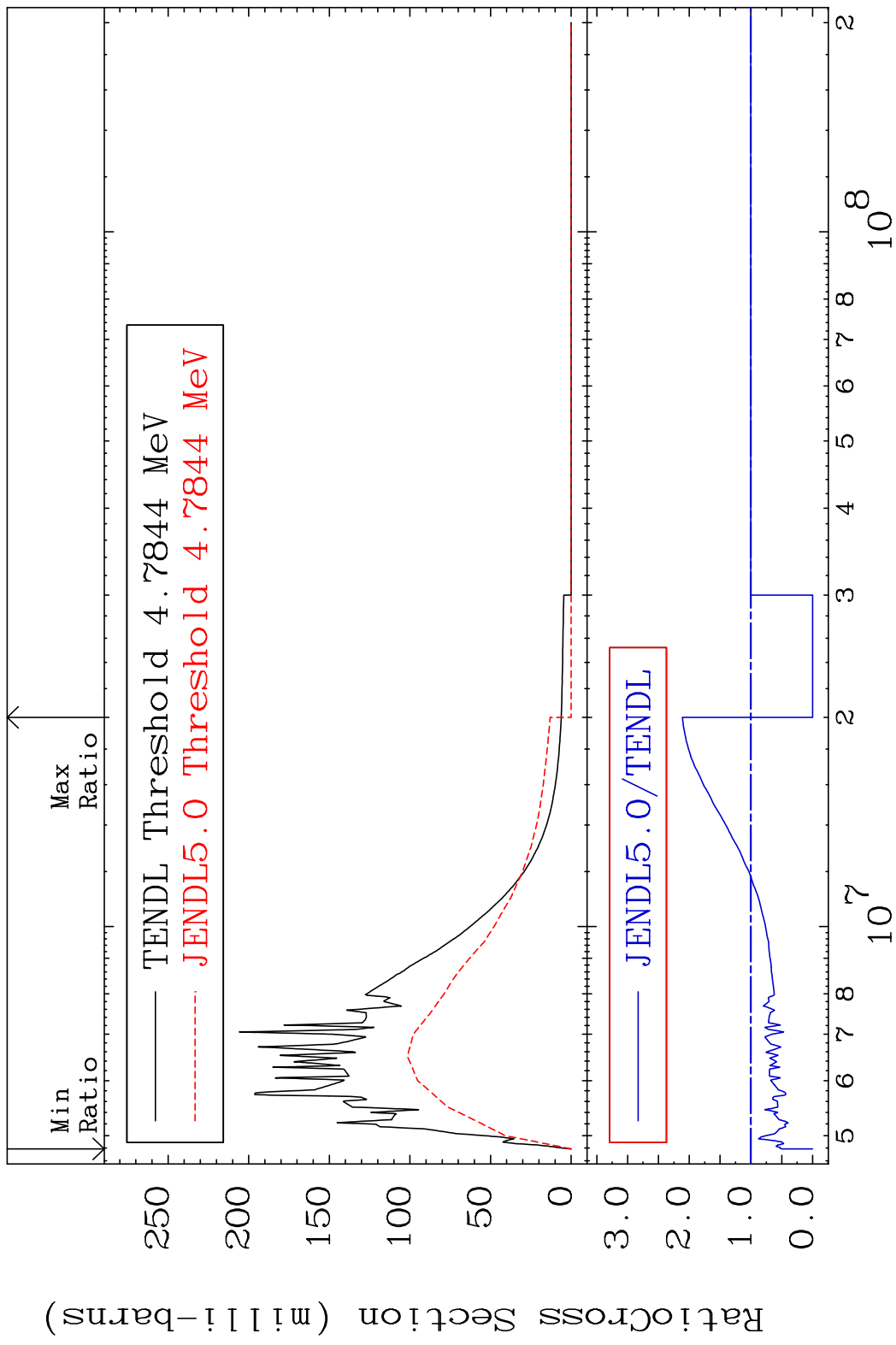
MAT 1425 (n, n') p 14-Si-28
 Cross Section -100.0 To 769.9 %



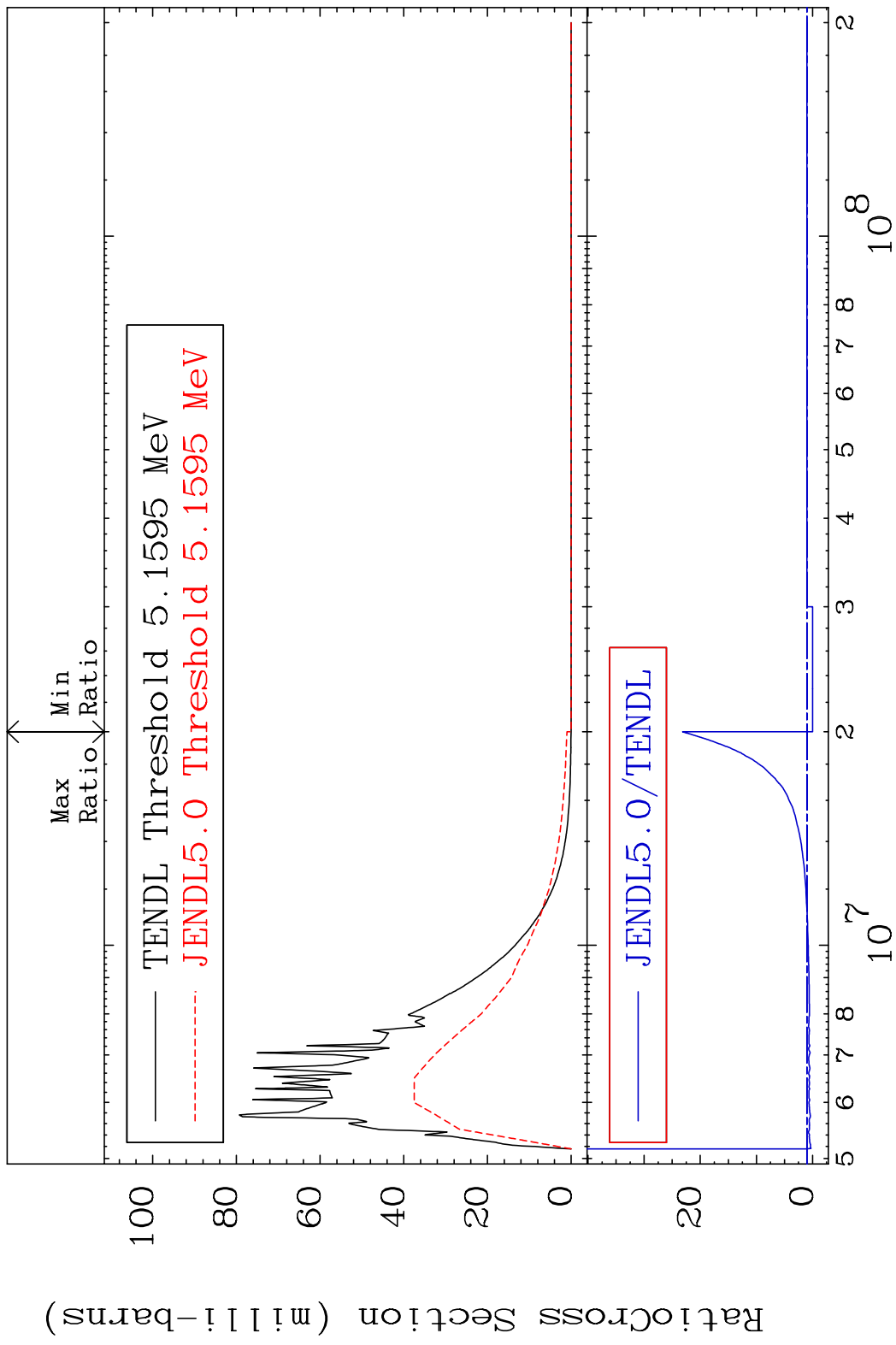
MAT 1425 MT= 51 (n, n') Level 14-Si-28
 Cross Section -100.0 To 220.0 %



MAT 1425 MT= 52 (n, n') Level 14-Si-28
 Cross Section -100.0 To 111.2 %

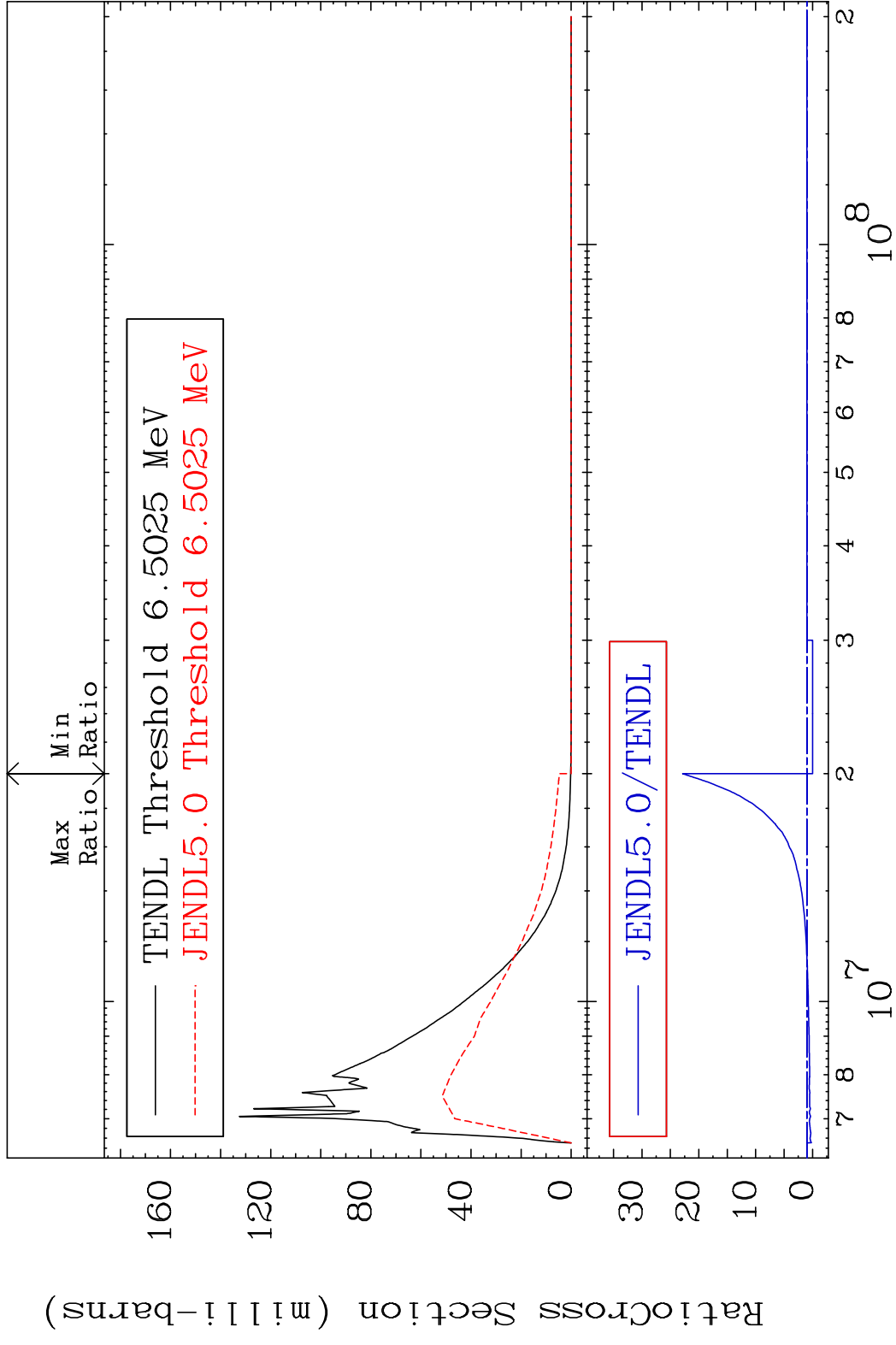


MAT 1425 MT= 53 (n, n') Level 14-Si-28
 Cross Section -100.0 To 2219. %

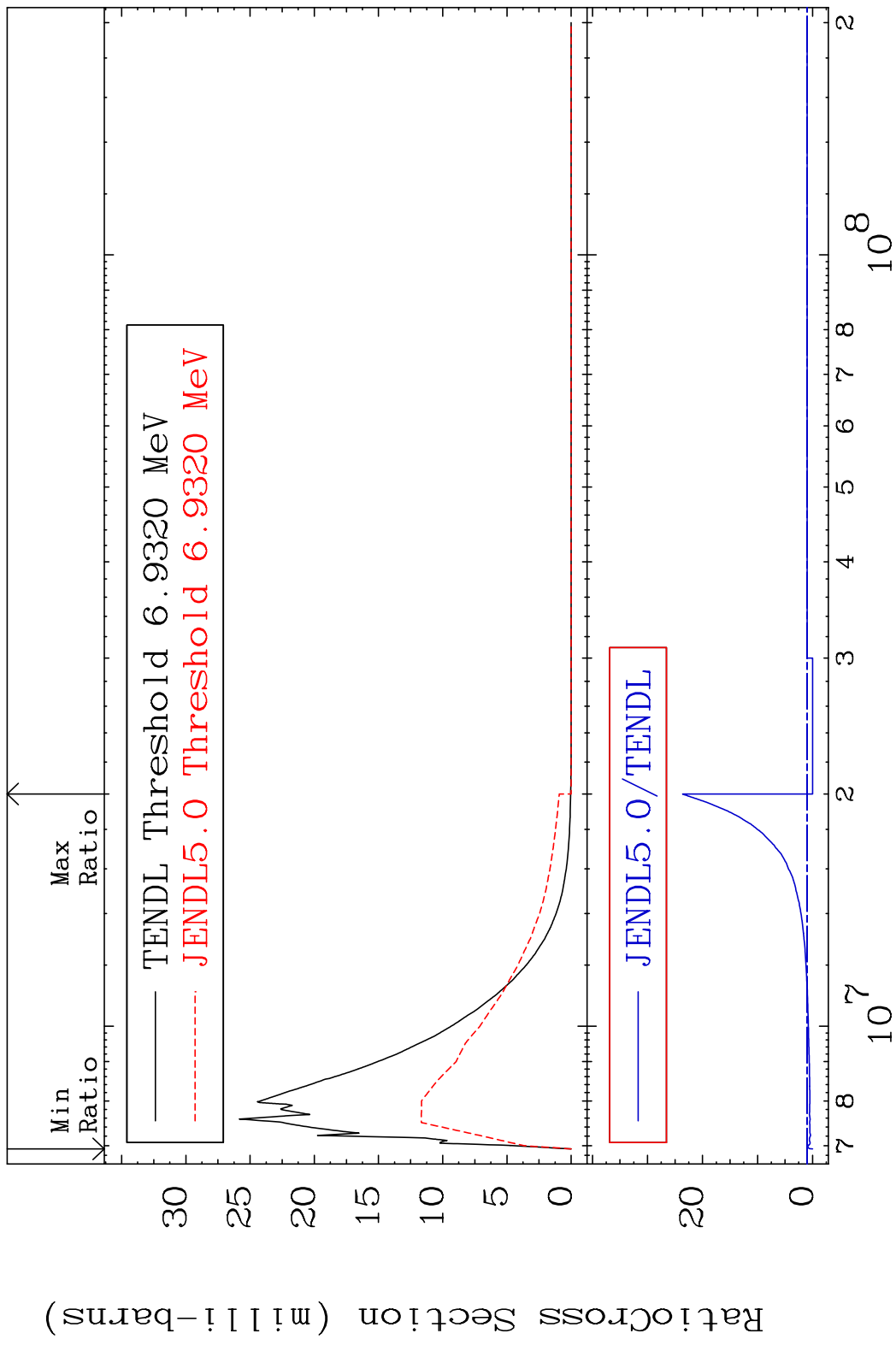


10 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 54 (n,n') Level 14-Si-28
 Cross Section -100.0 To 2189. %

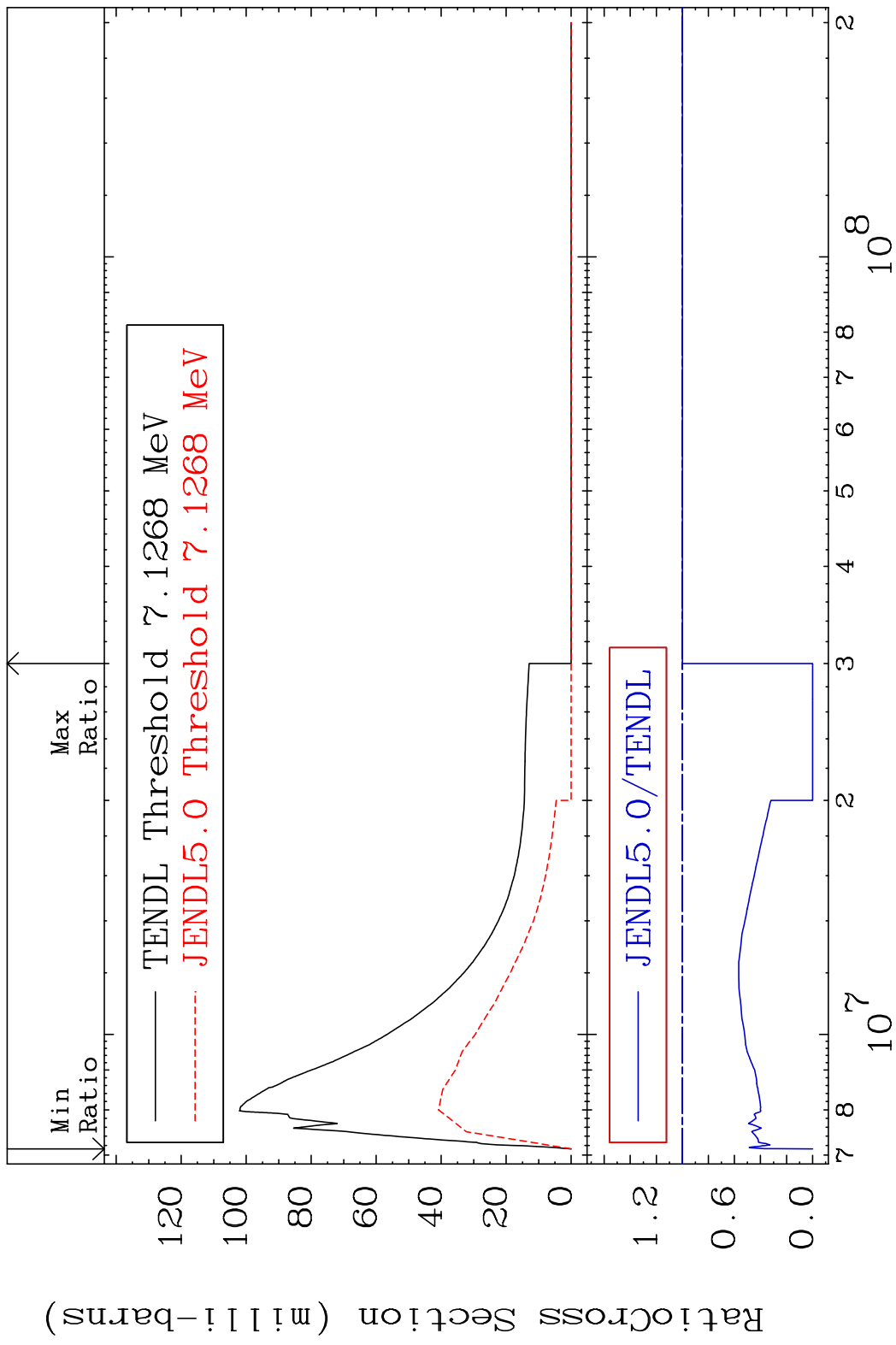


MAT 1425 MT= 55 (n,n') Level 14-Si-28
 Cross Section -100.0 To 2266. %

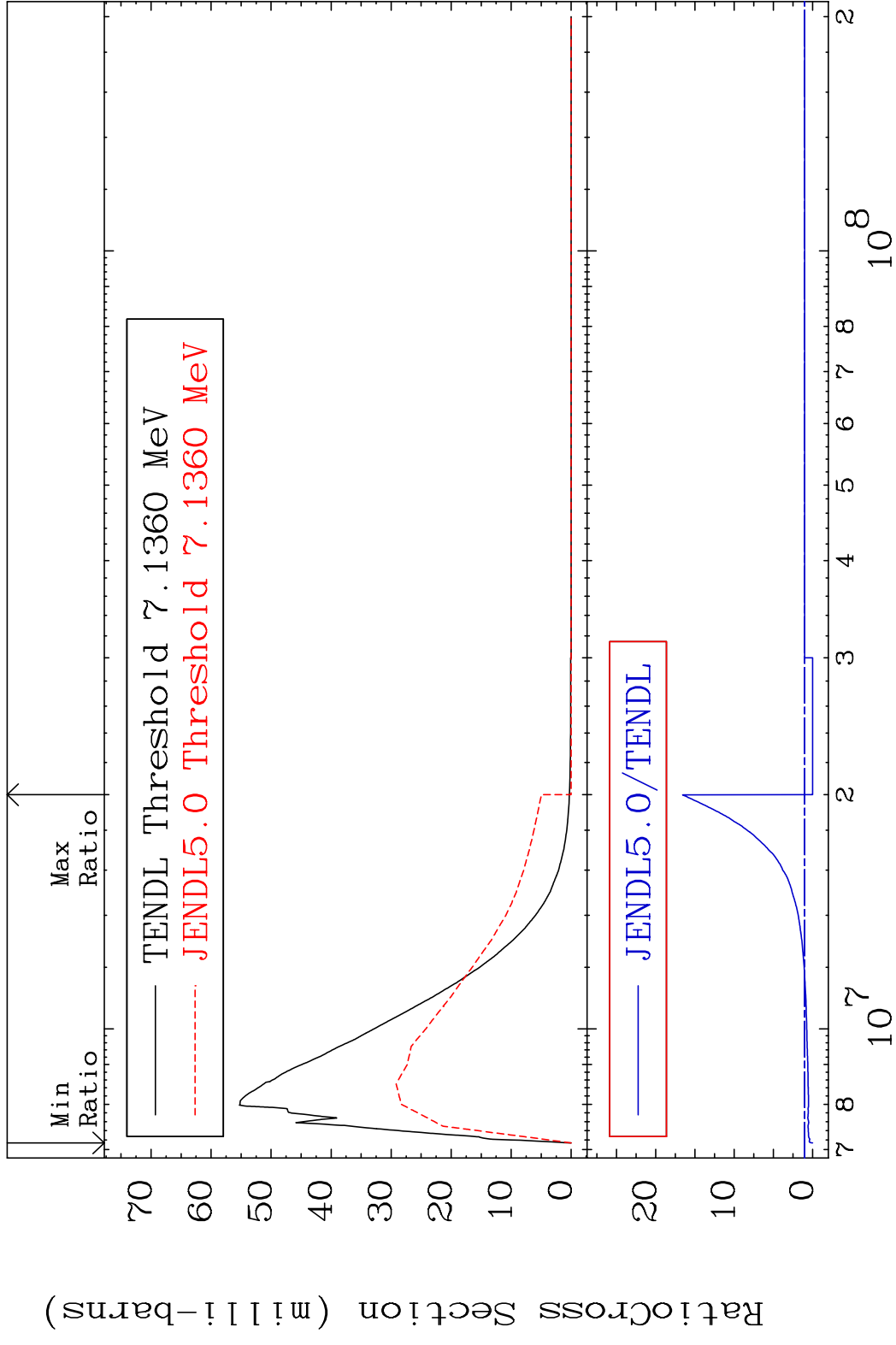


12 14-Si-28

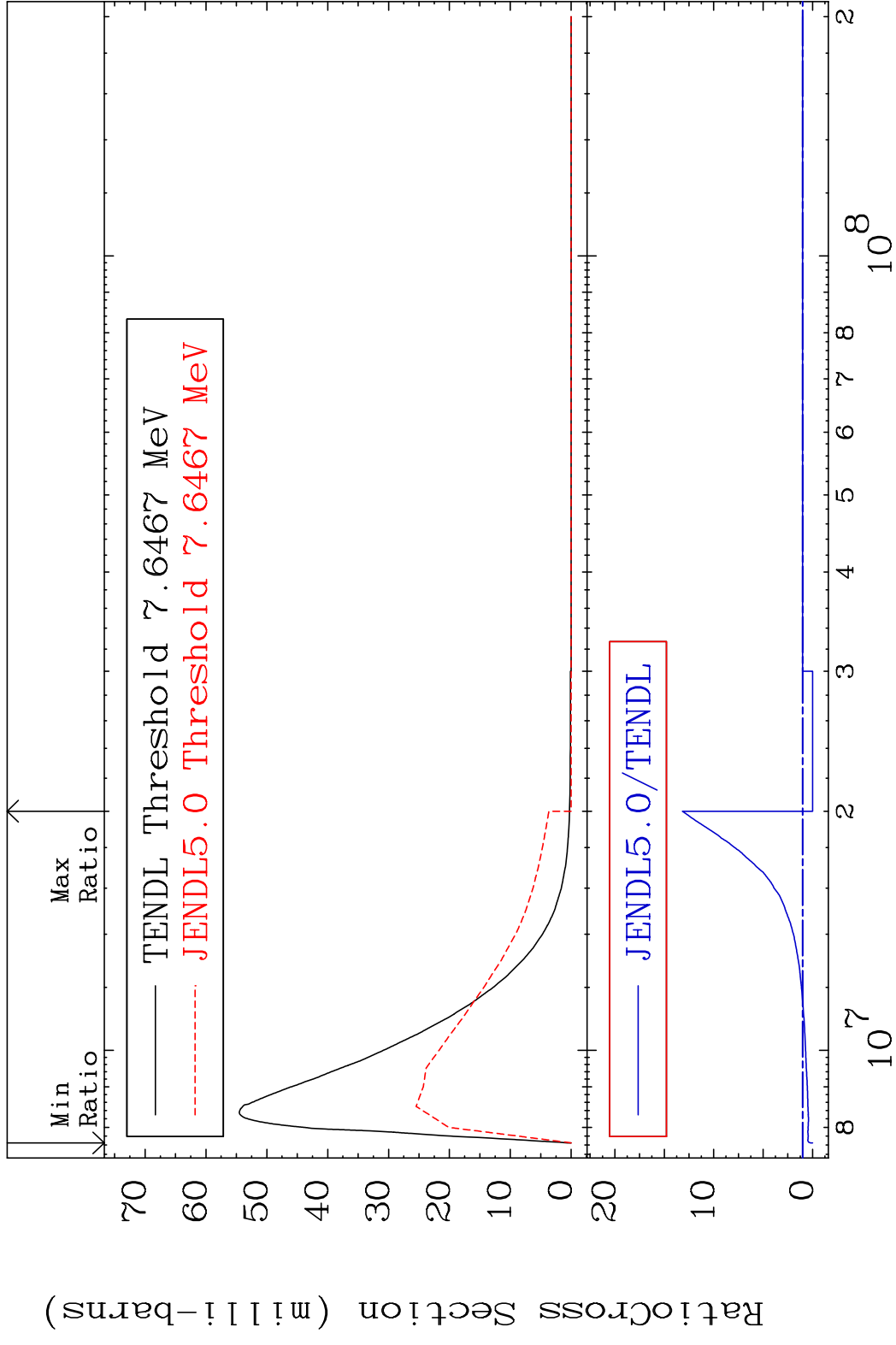
MAT 1425 MT= 56 (n, n') Level 14-Si-28
 Cross Section -100.0 To 0.000 %



MAT 1425 MT= 57 (n,n') Level 14-Si-28
 Cross Section -100.0 To 1560. %

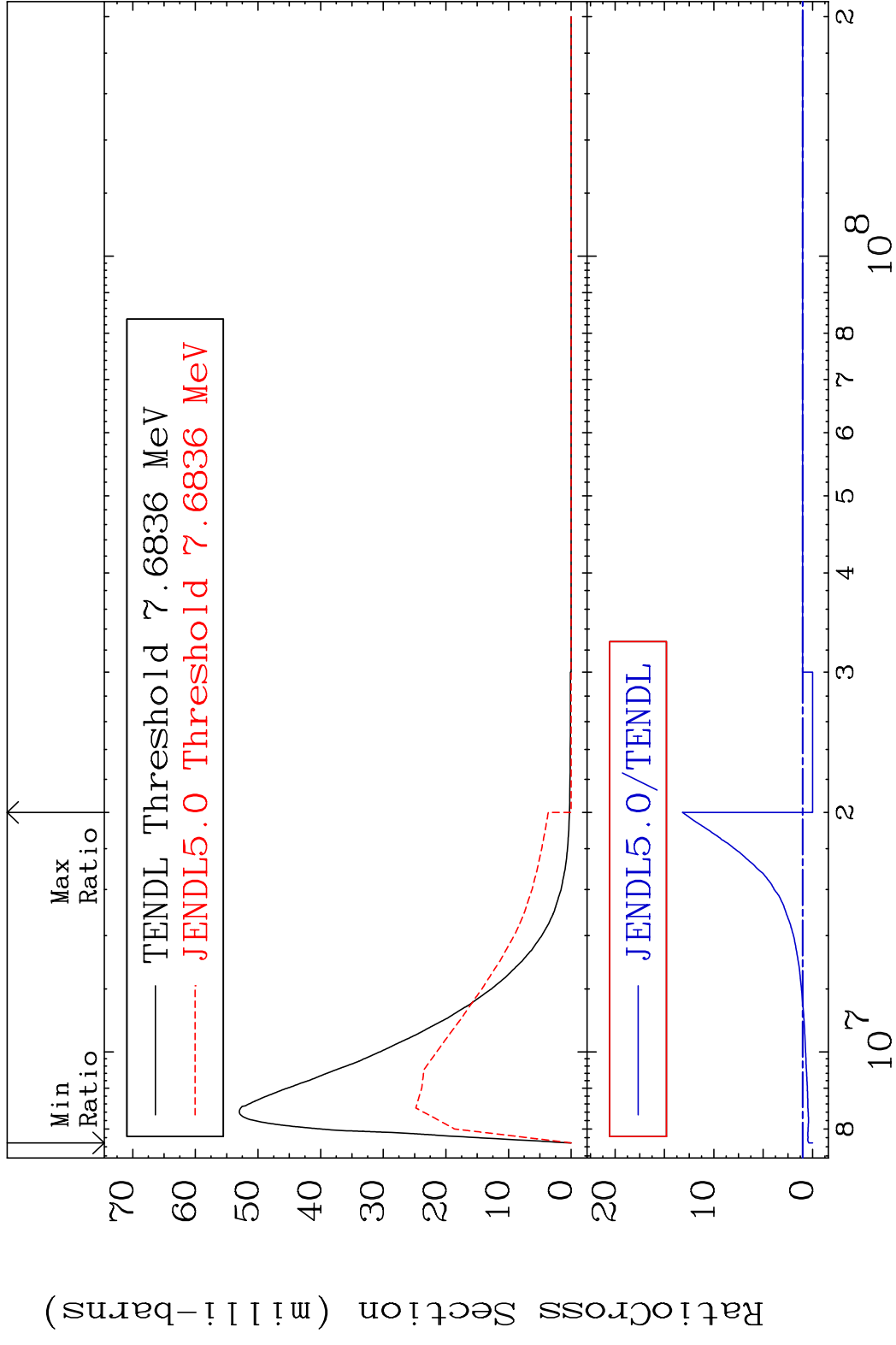


MAT 1425 MT= 58 (n,n') Level 14-Si-28
 Cross Section -100.0 To 1217. %



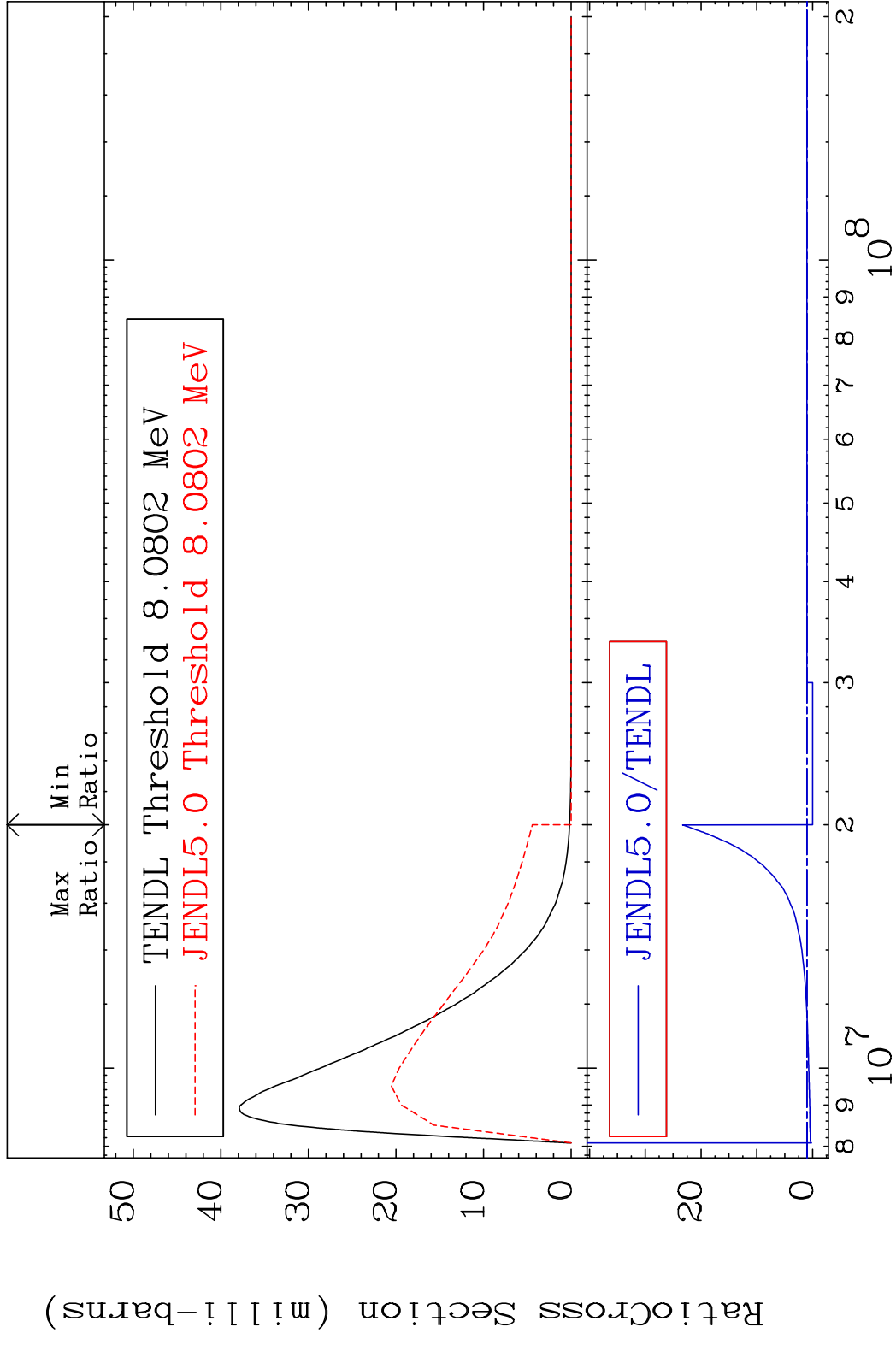
15 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 59 (n,n') Level 14-Si-28
 Cross Section -100.0 To 1219. %

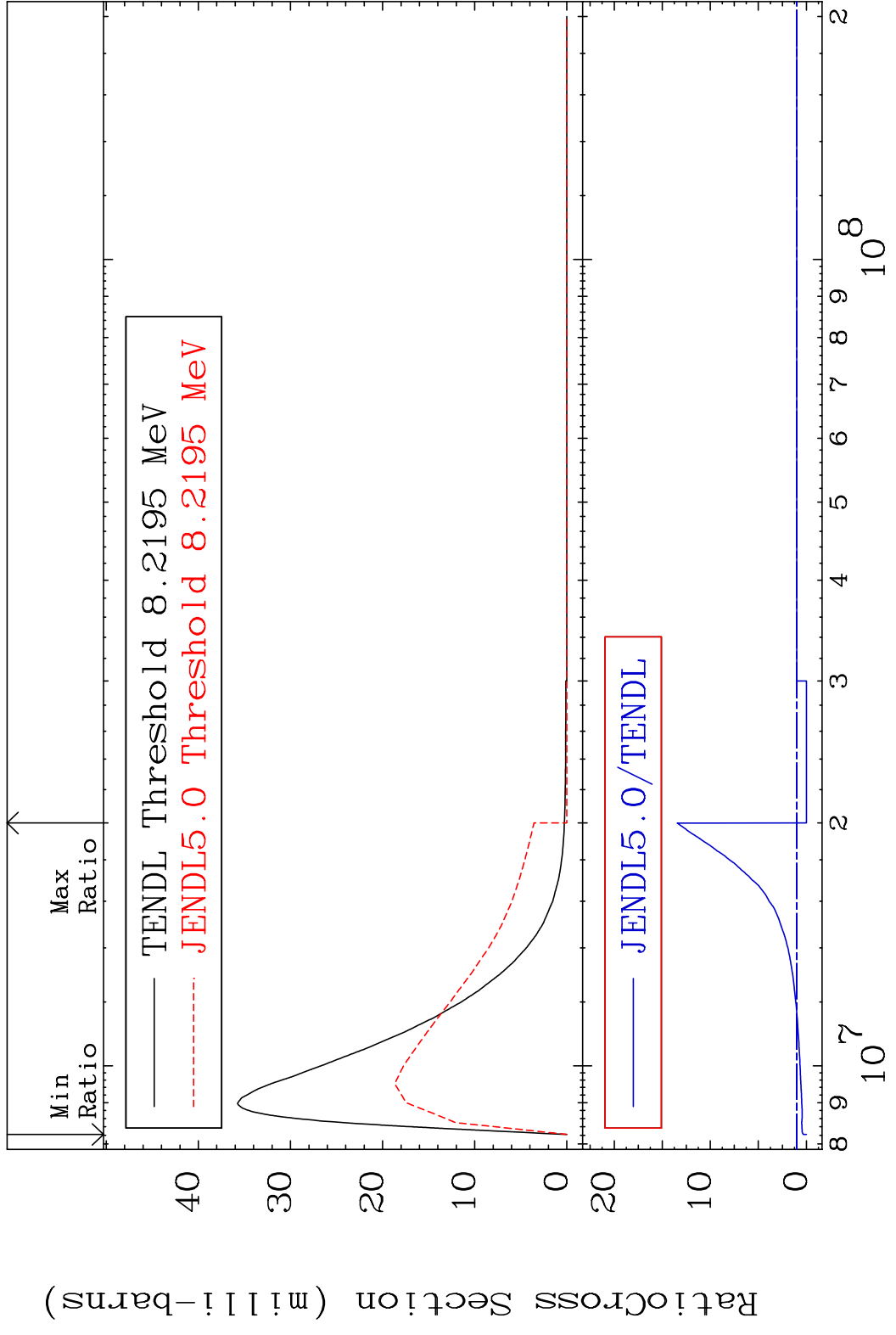


16 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 60 (n, n') Level 14-Si-28
 Cross Section -100.0 To 2235. %

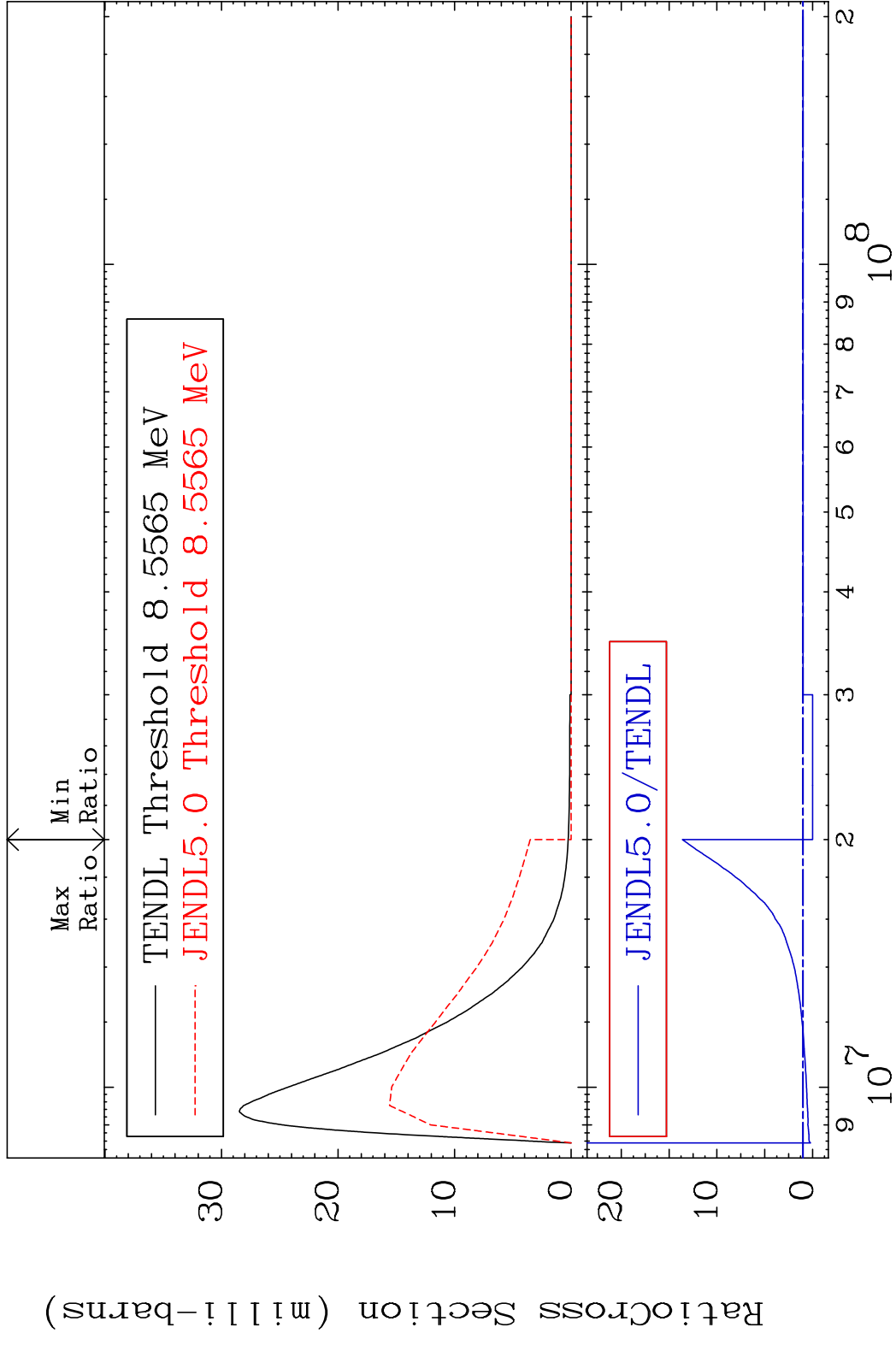


MAT 1425 MT= 61 (n,n') Level 14-Si-28
 Cross Section -100.0 To 1245. %



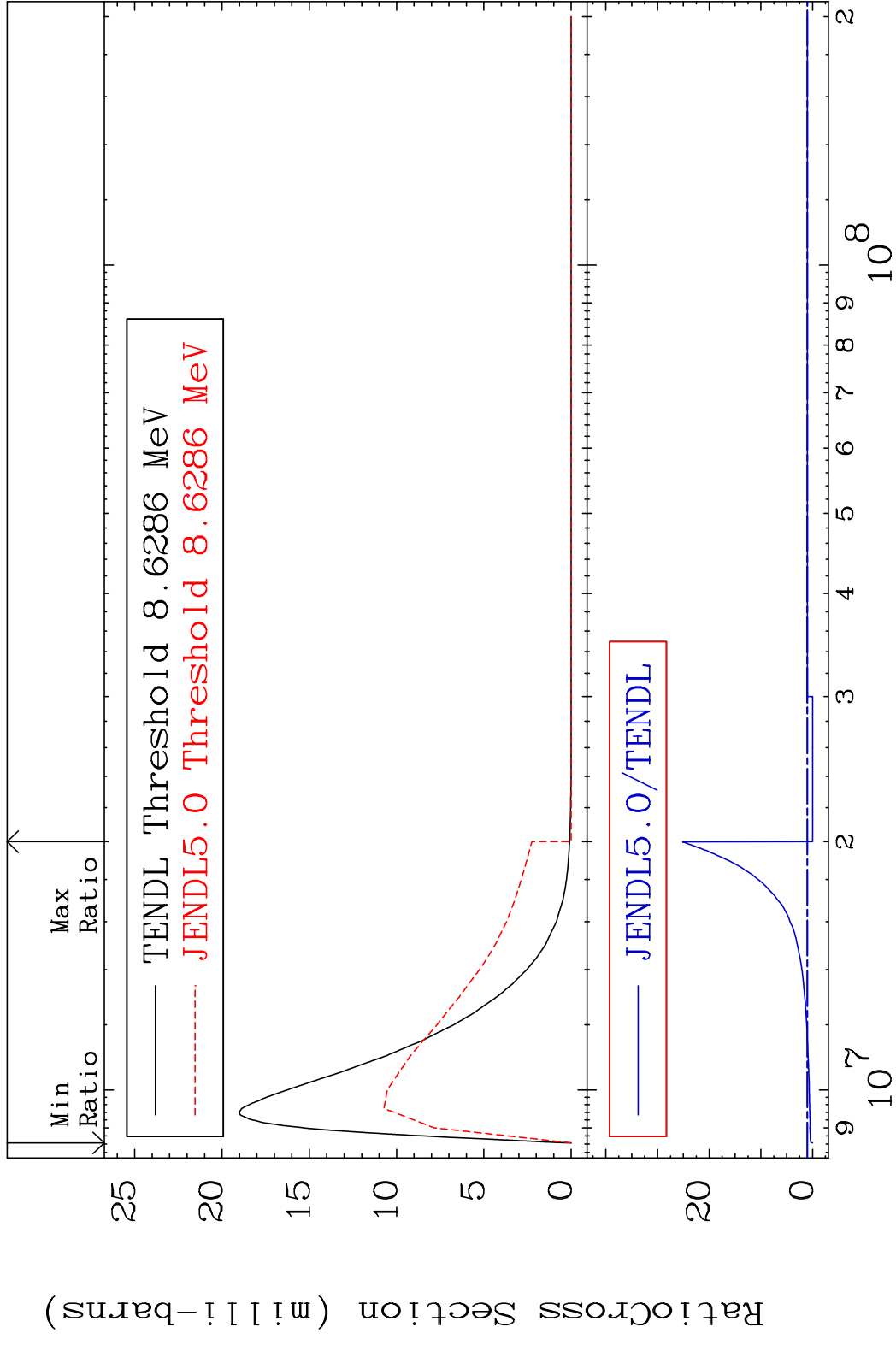
18 14-Si-28

MAT 1425 MT= 62 (n,n') Level 14-Si-28
 Cross Section -100.0 To 1262. %



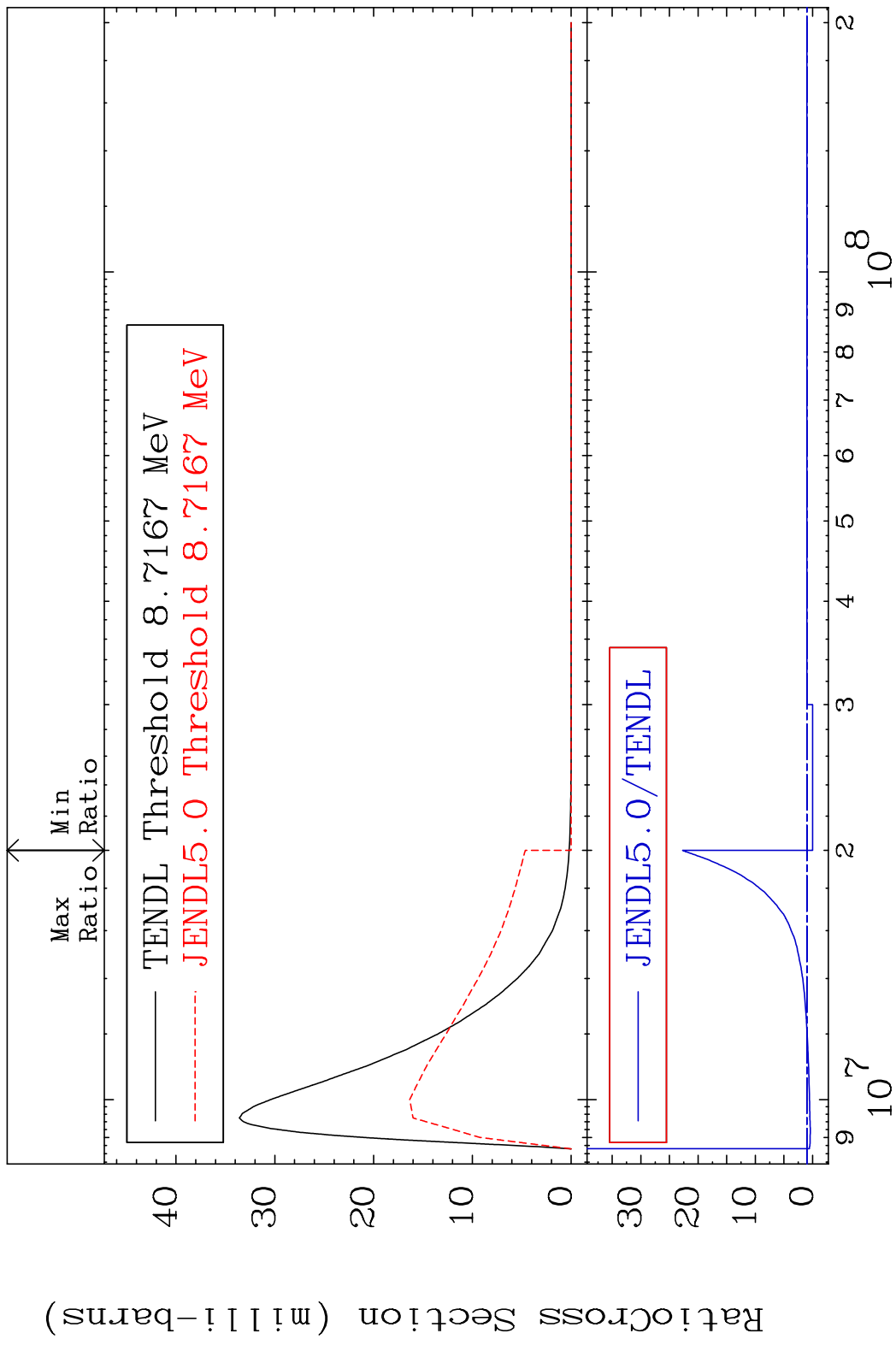
19 19 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 63 (n,n') Level 14-Si-28
 Cross Section -100.0 To 2420. %

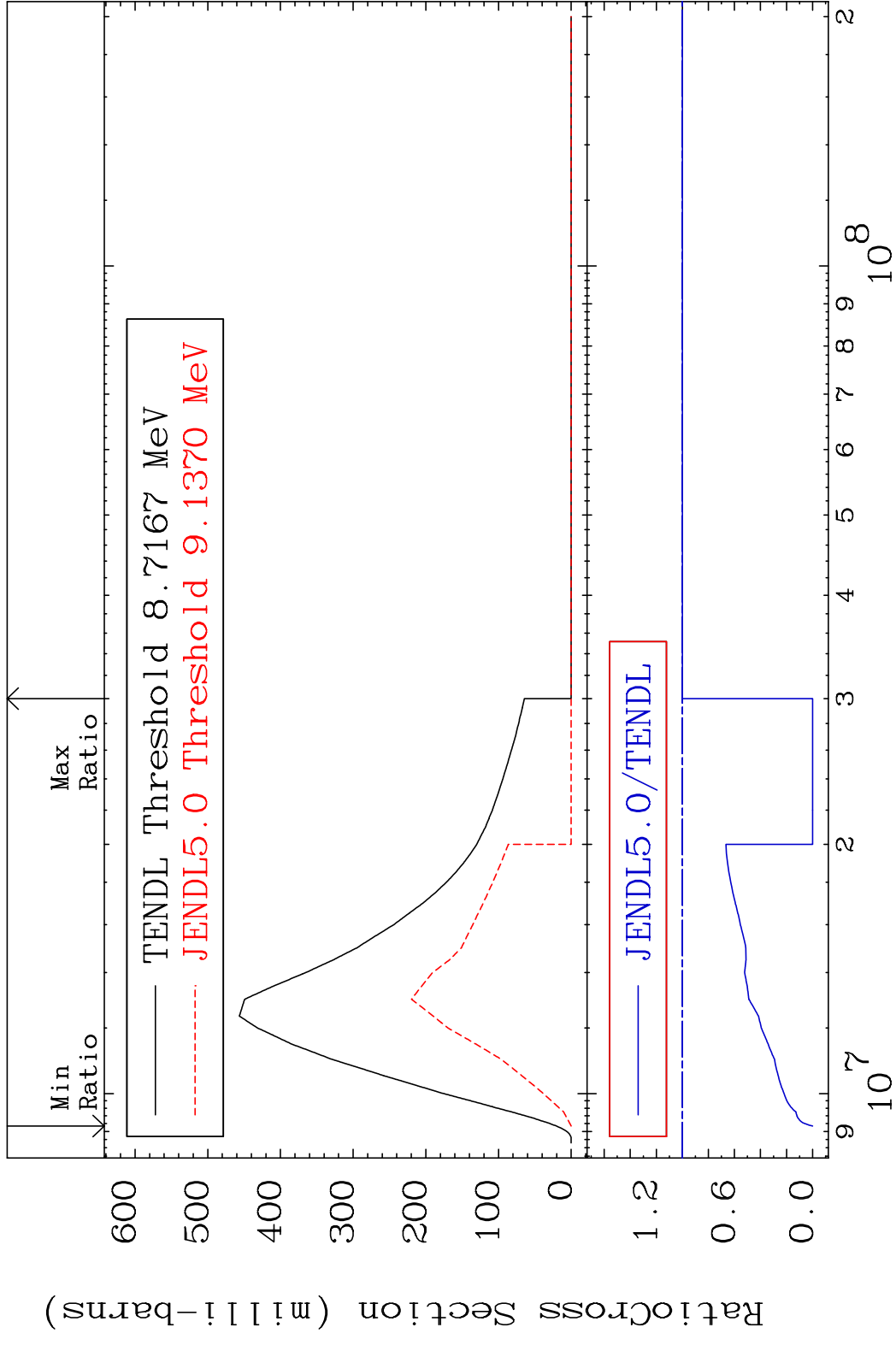


20 10⁷ 2 10⁸ 14-Si-28

MAT 1425 MT= 64 (n,n') Level 14-Si-28
 Cross Section -100.0 To 2175. %



MAT 1425 (n, n') Continuum 14-Si-28
 Cross Section -100.0 To 0.000 %

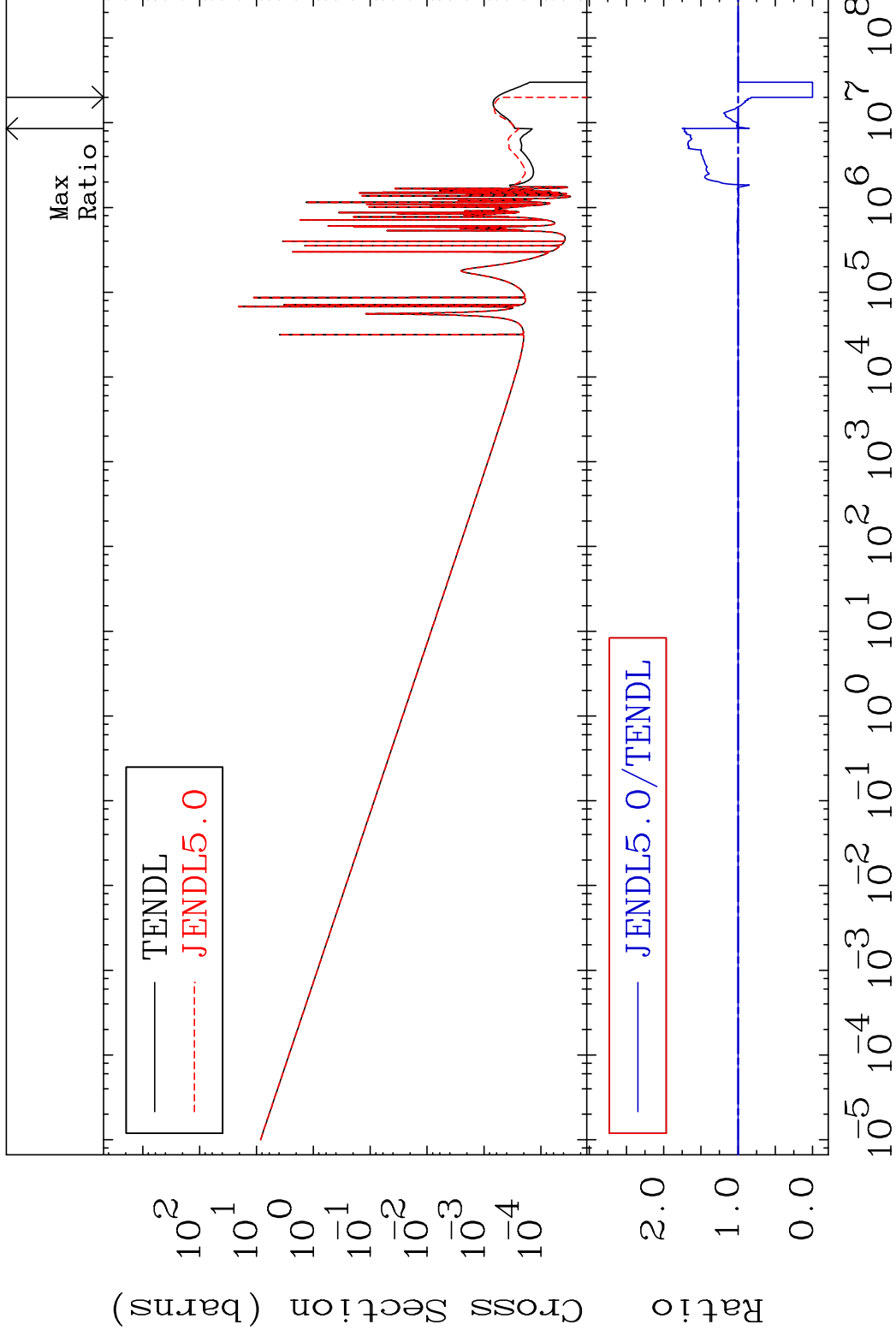


MAT 1425

(n, γ)

14-Si-28

Cross Section -100.0 To 75.15 %

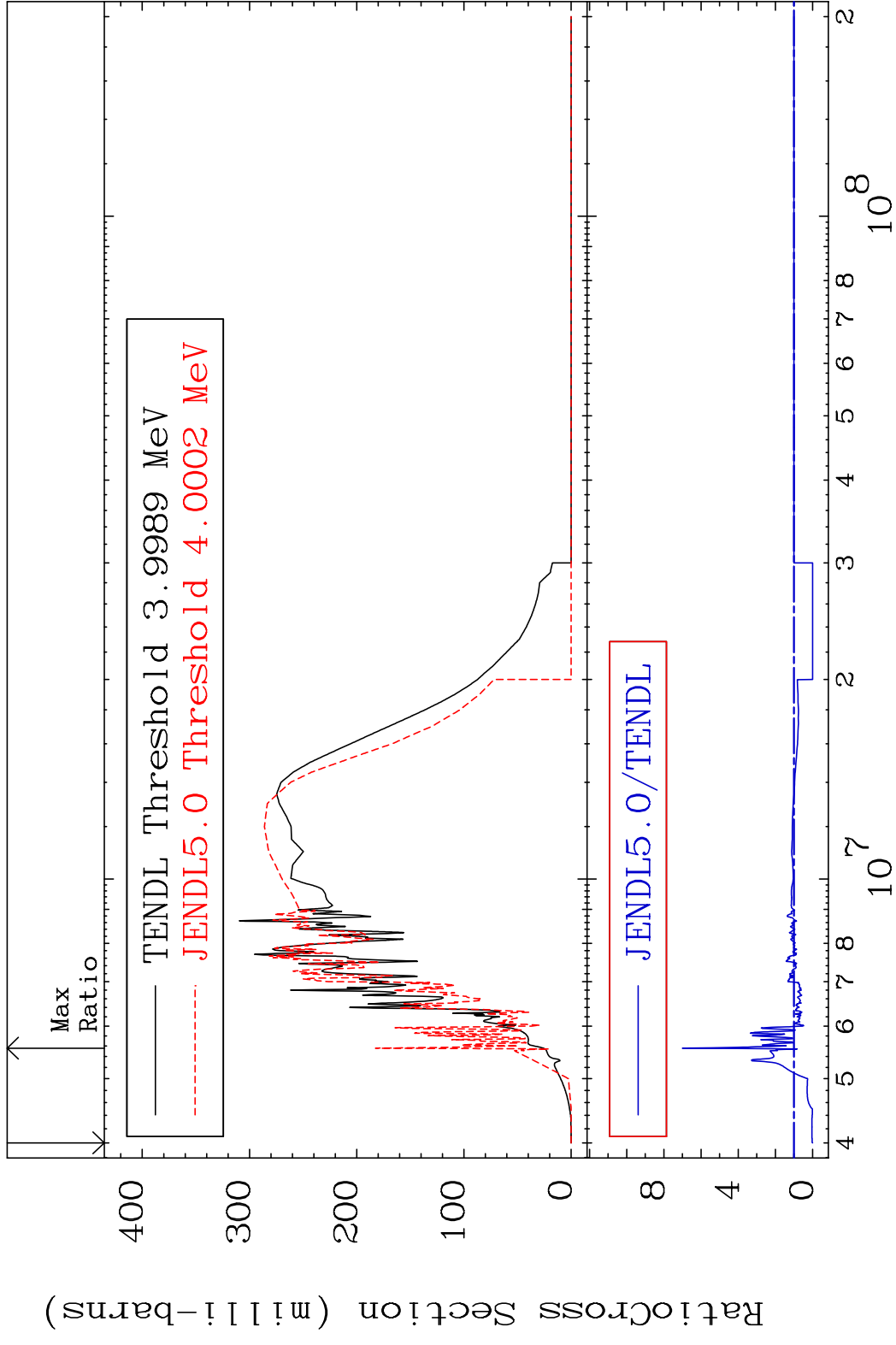


23

Incident Energy (eV)

14-Si-28

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

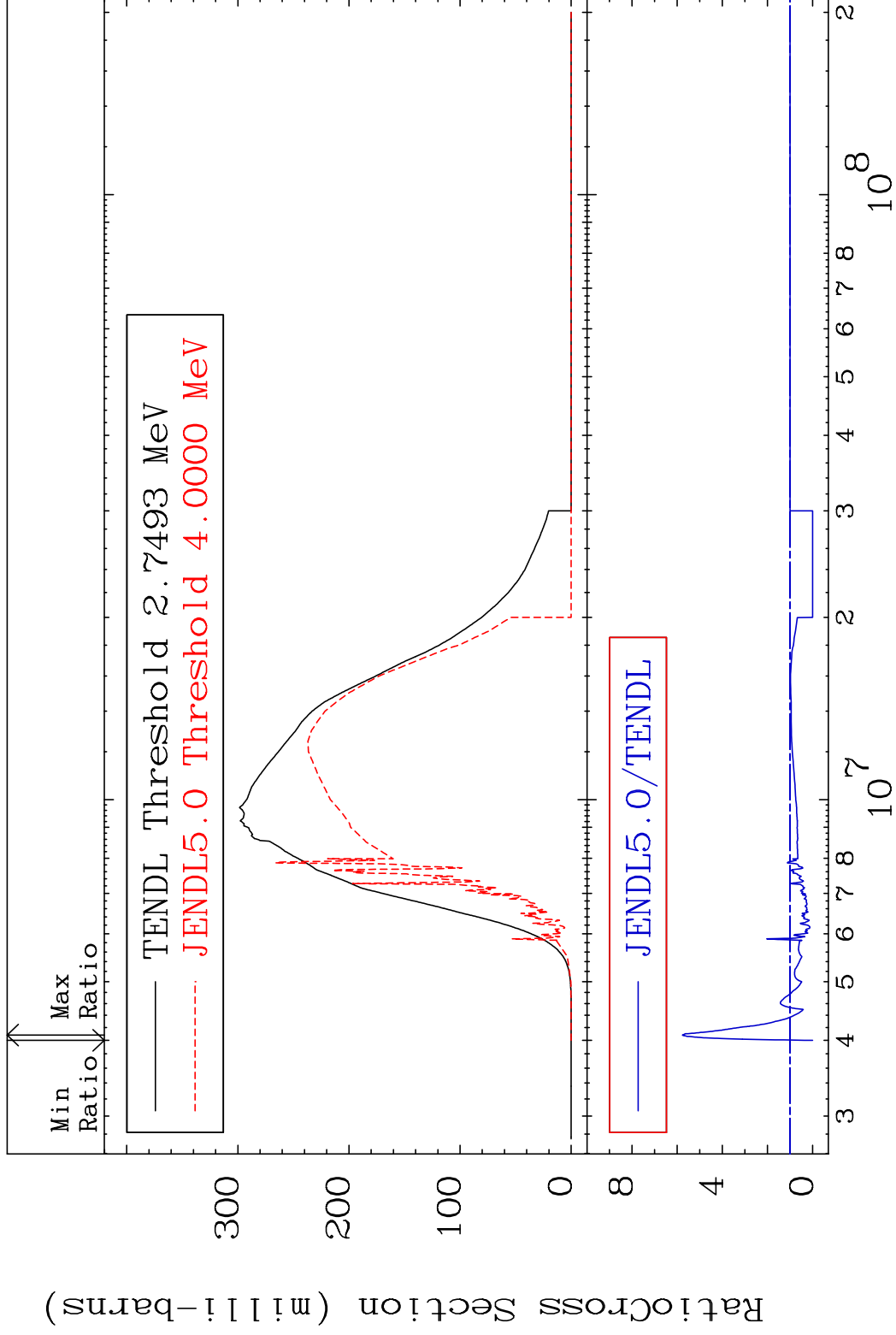


MAT 1425

(n, α)

¹⁴Si-28

Cross Section -100.0 To 477.1 %

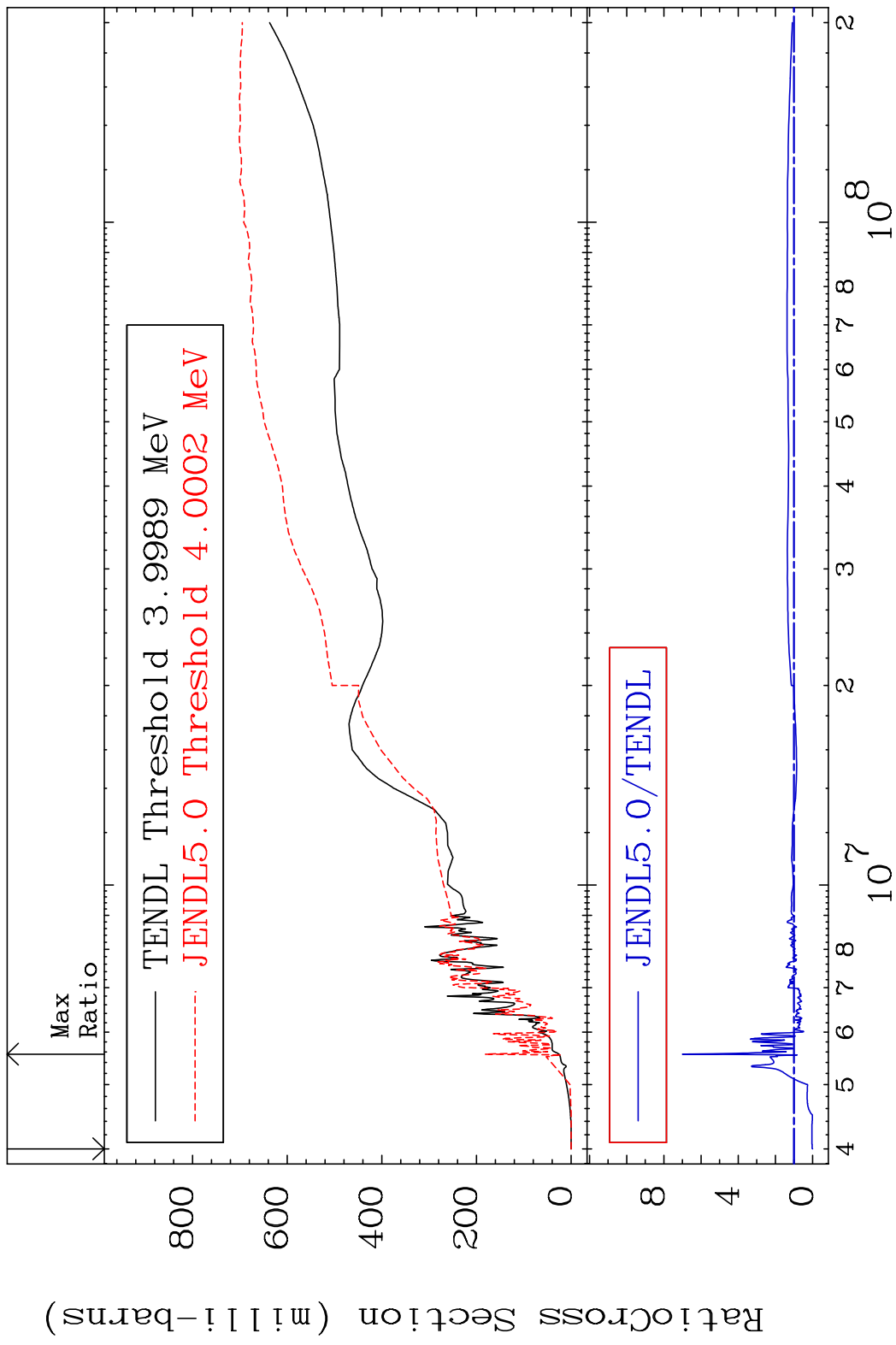


25

Incident Energy (eV)

¹⁴Si-28

MAT 1425 Hydrogen Production 14-Si-28
 Cross Section -100.0 To 600.7 %

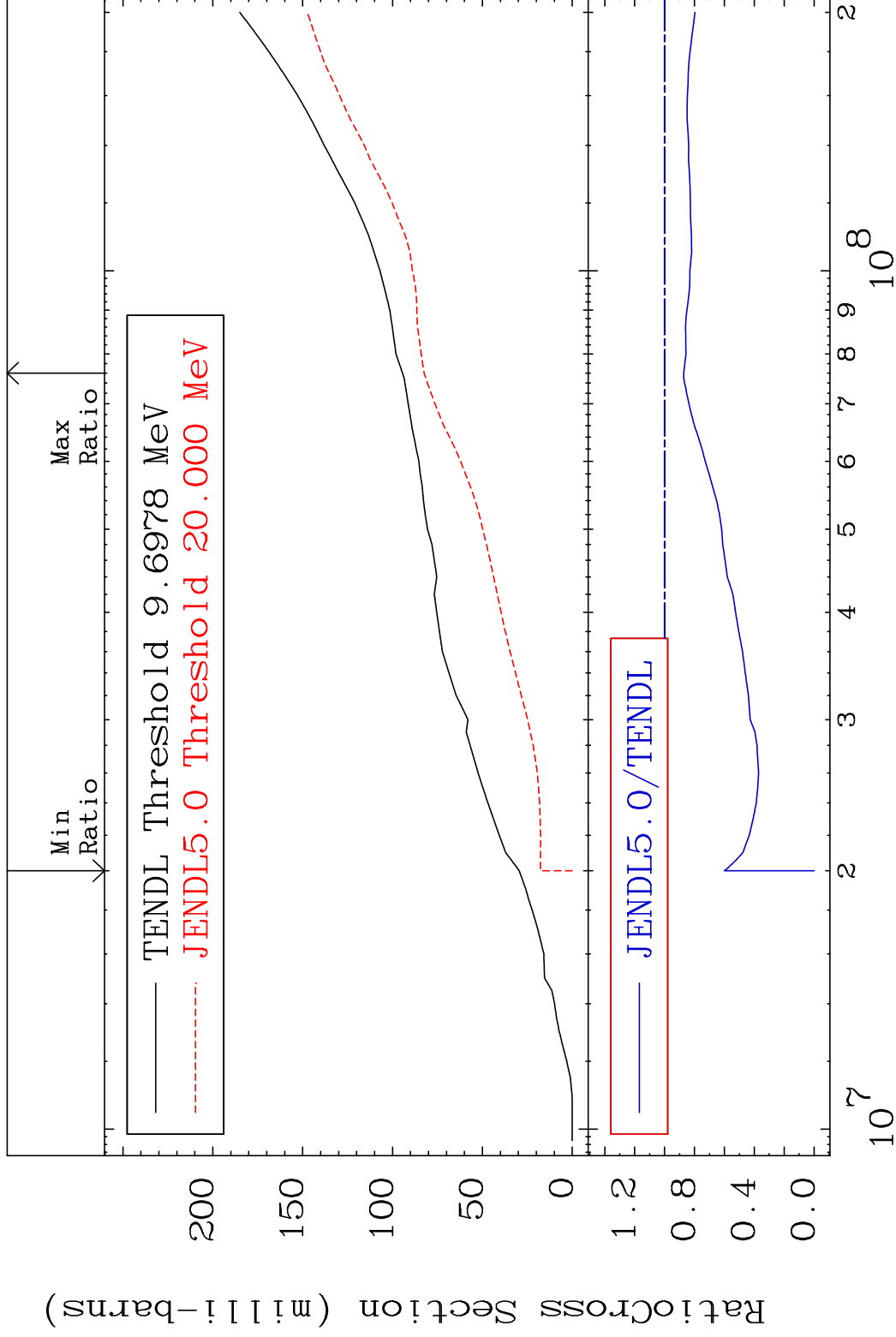


MAT 1425

Deuterium Production

14-Si-28

Cross Section -100.0 To -12.76%

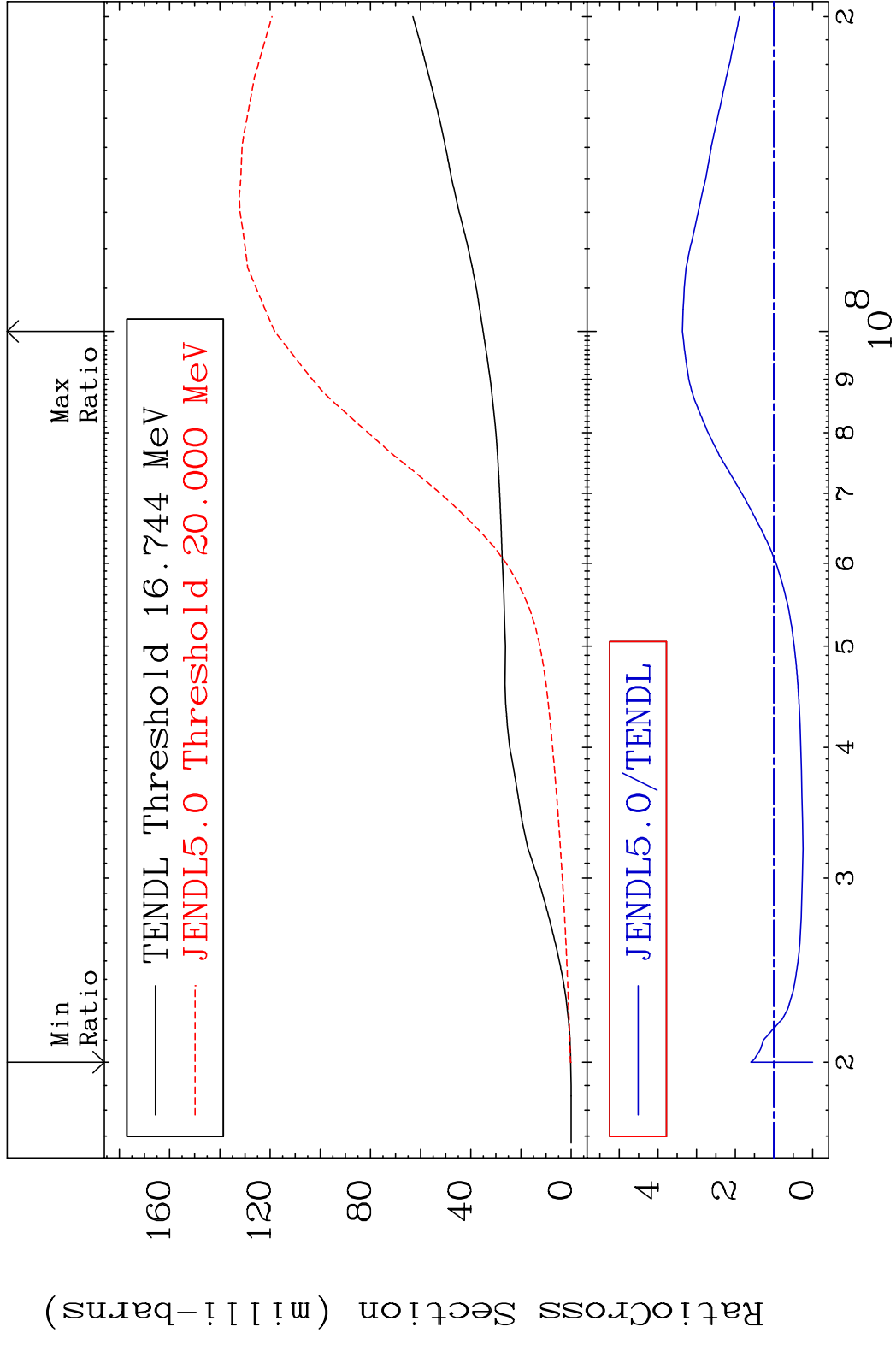


27

Incident Energy (eV)

14-Si-28

MAT 1425 Tritium Production 14-Si-28
 Cross Section -100.0 To 236.7 %

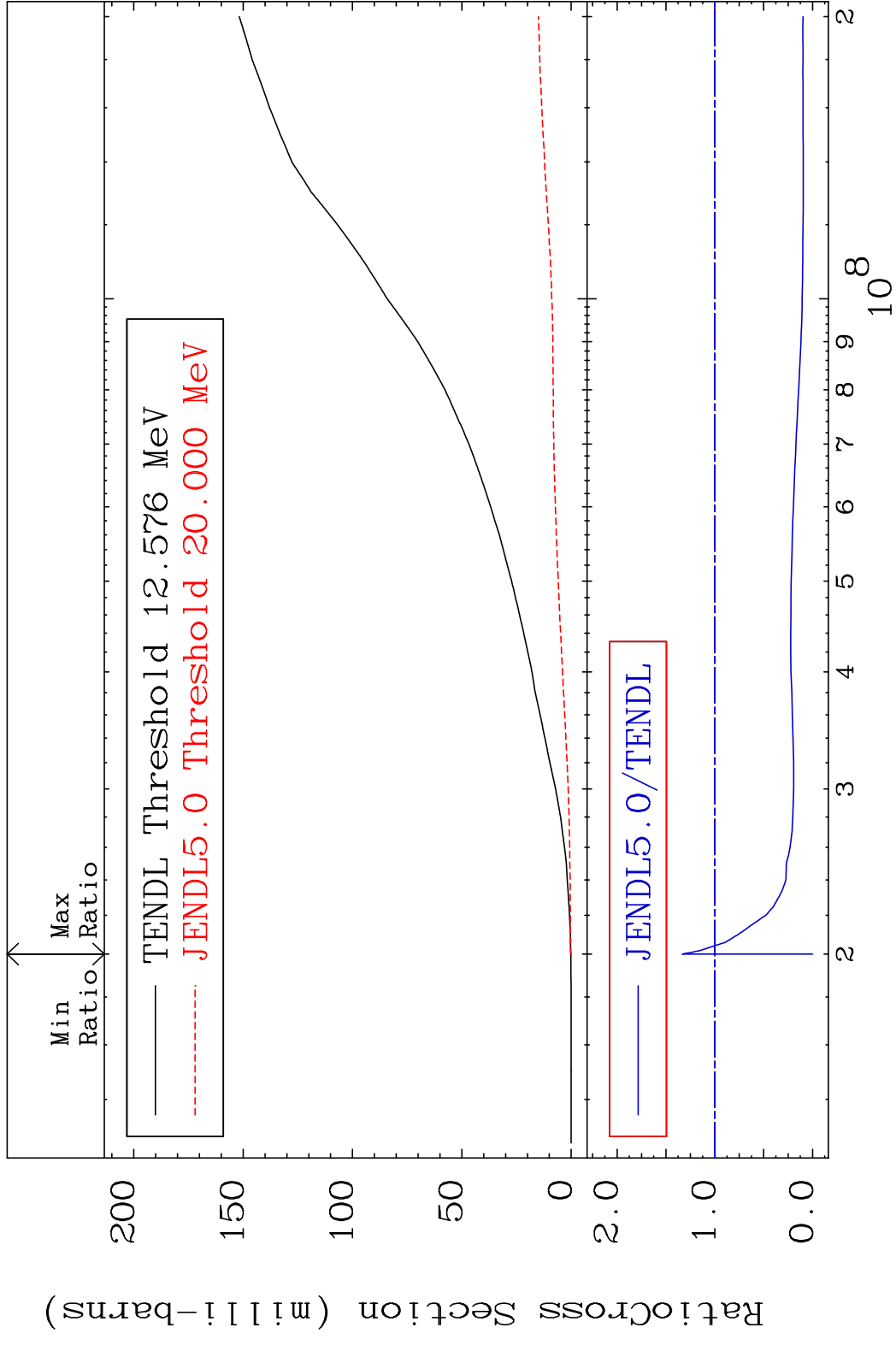


MAT 1425

He-3 Production

14-Si-28

Cross Section -100.0 To 33.20 %

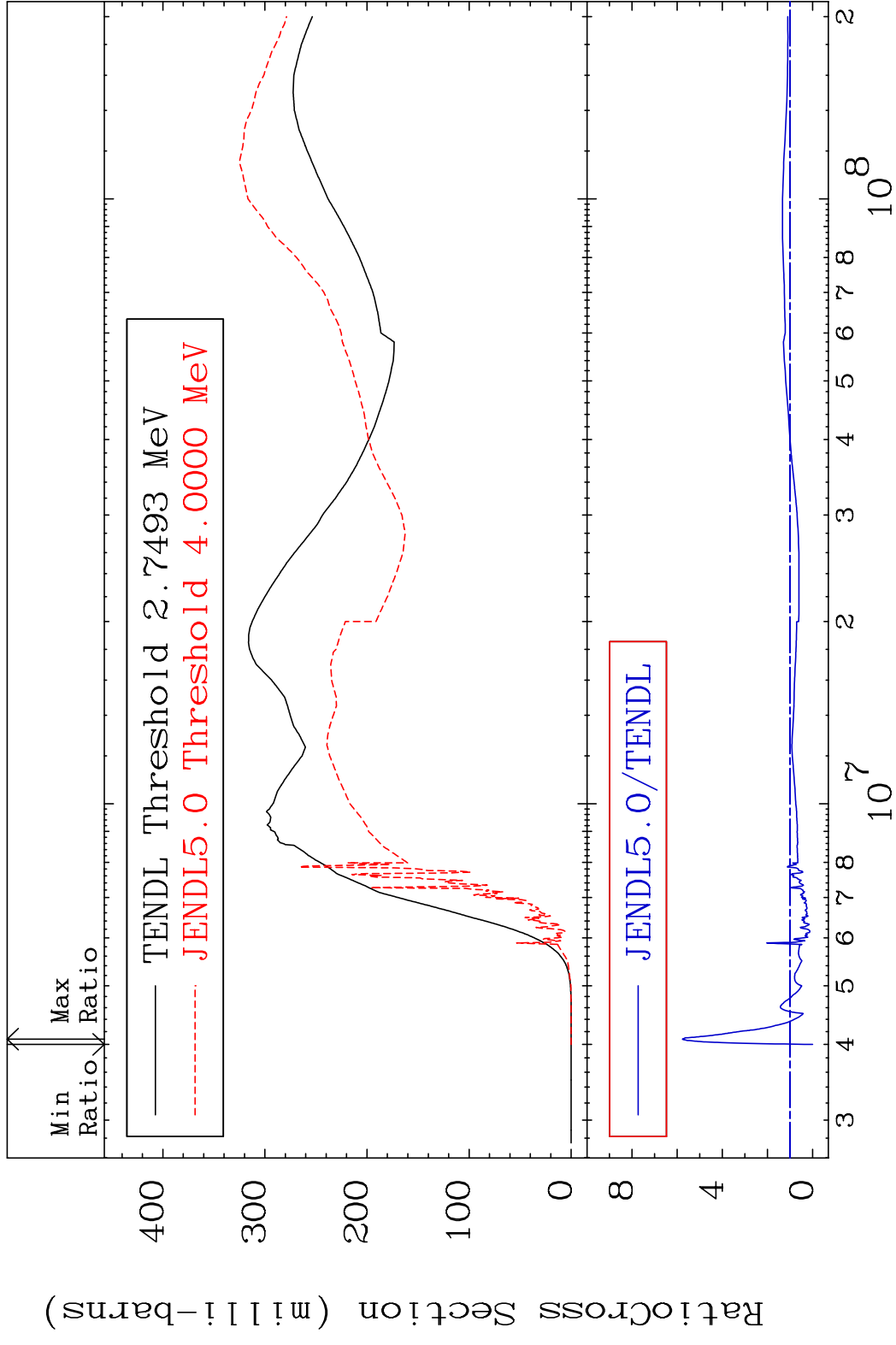


MAT 1425

He-4 Production

14-Si-28

Cross Section -100.0 To 477.1 %

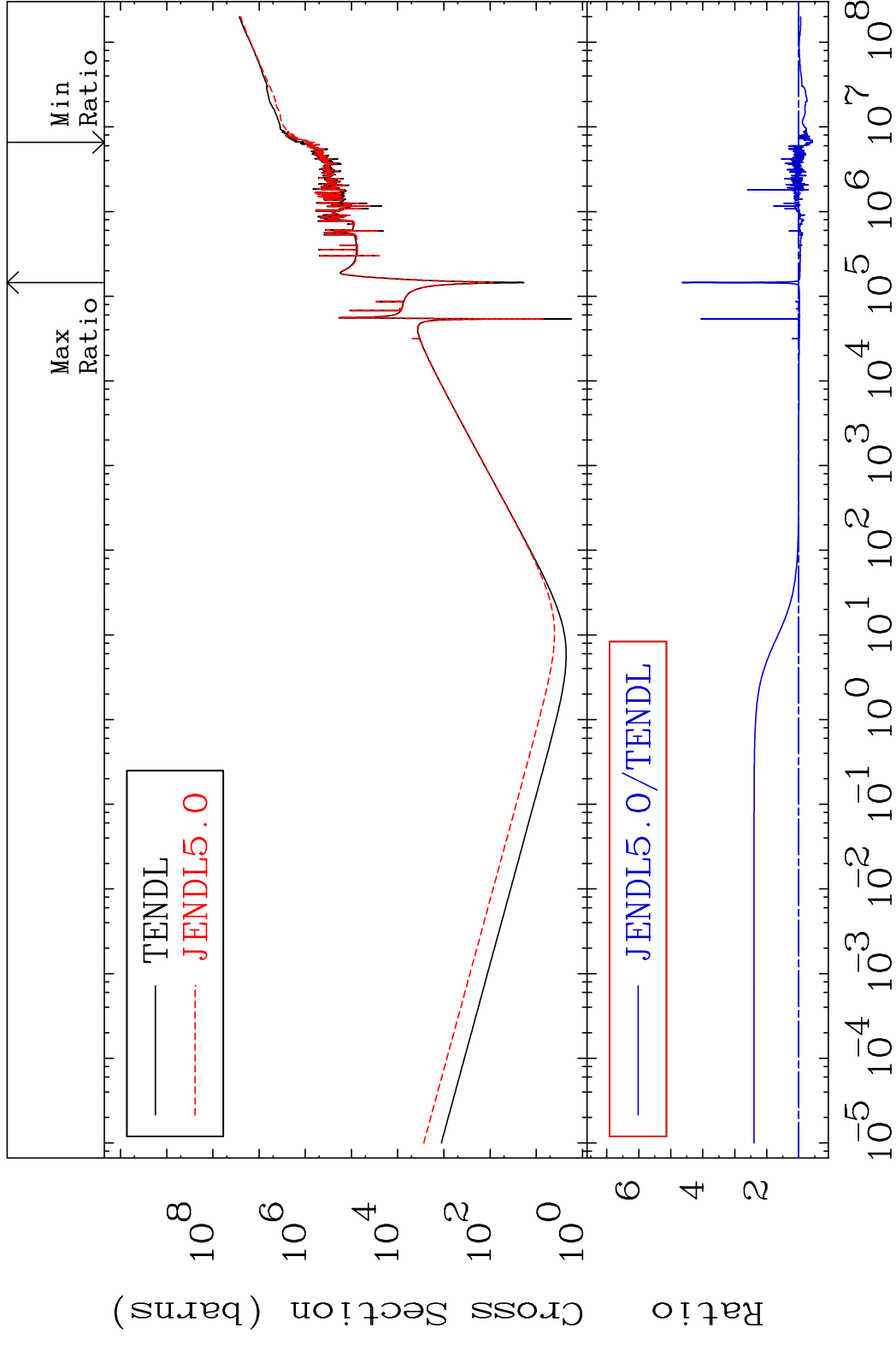


30

Incident Energy (eV)

14-Si-28

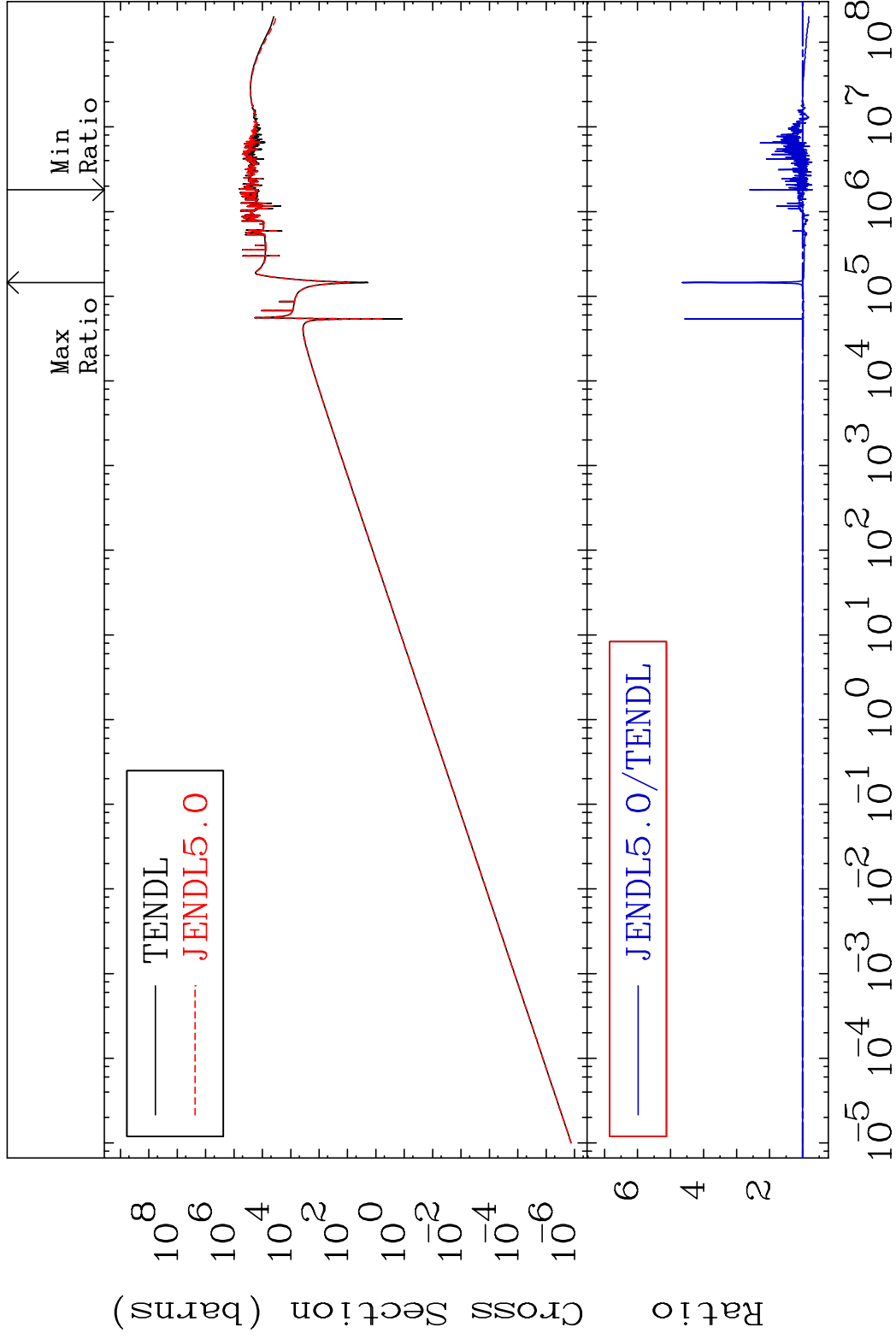
MAT 1425 Kerma total (eV-barns) 14-Si-28
 Cross Section -43.05 To 363.8 %



MAT 1425

Kerma elastic
Cross Section

14-Si-28
-30.12 To 364.3 %

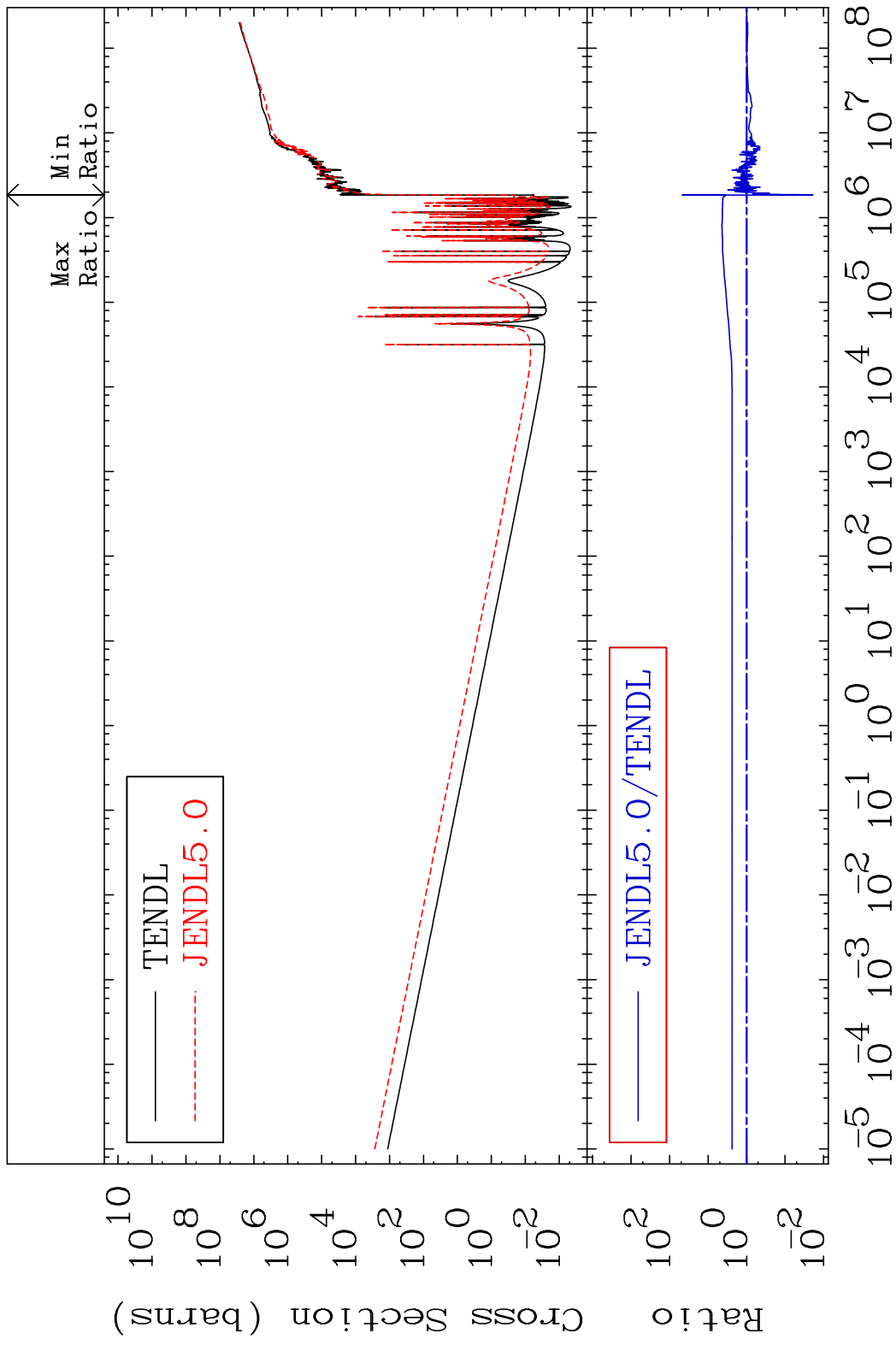


32

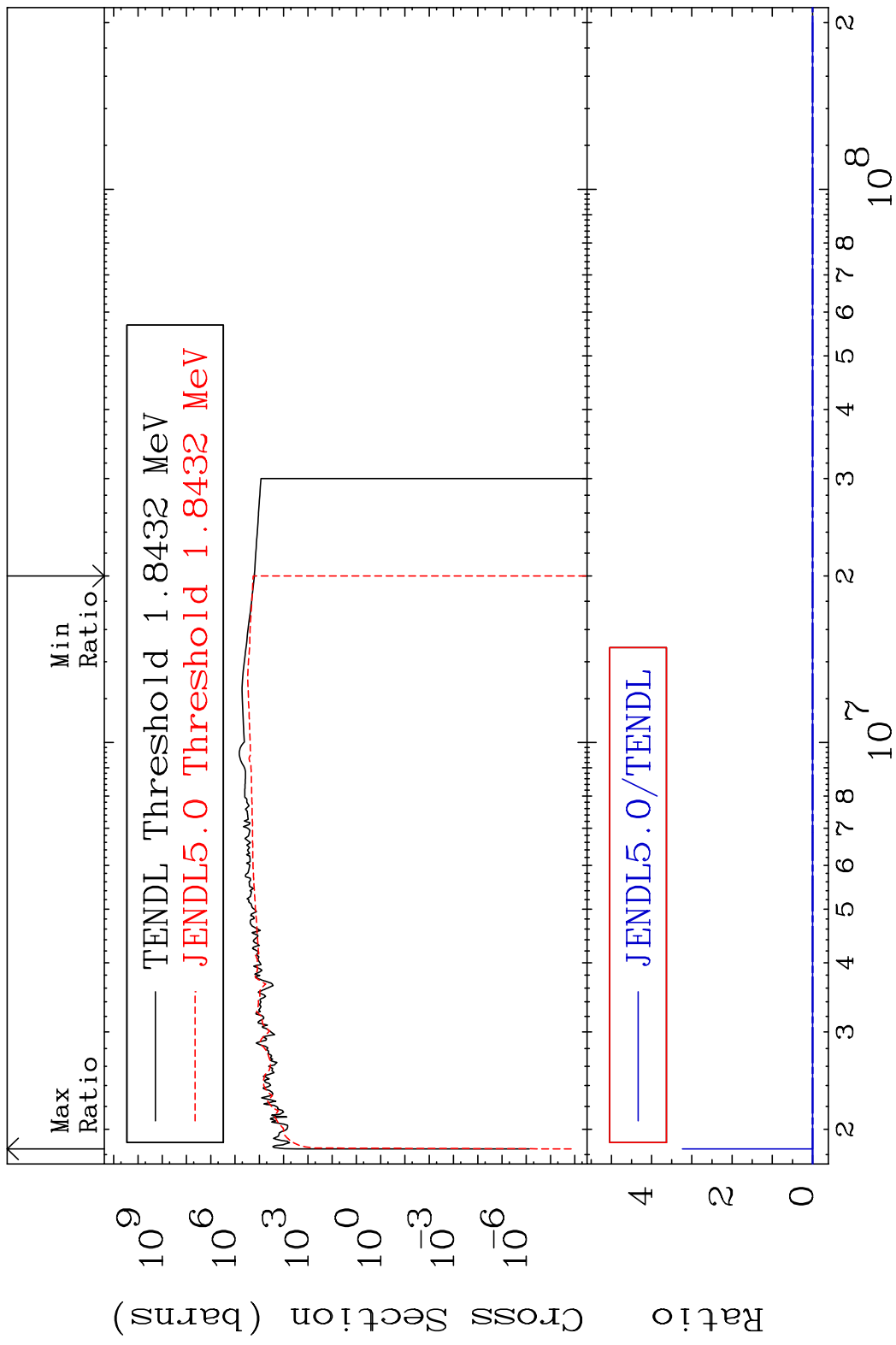
Incident Energy (eV)

14-Si-28

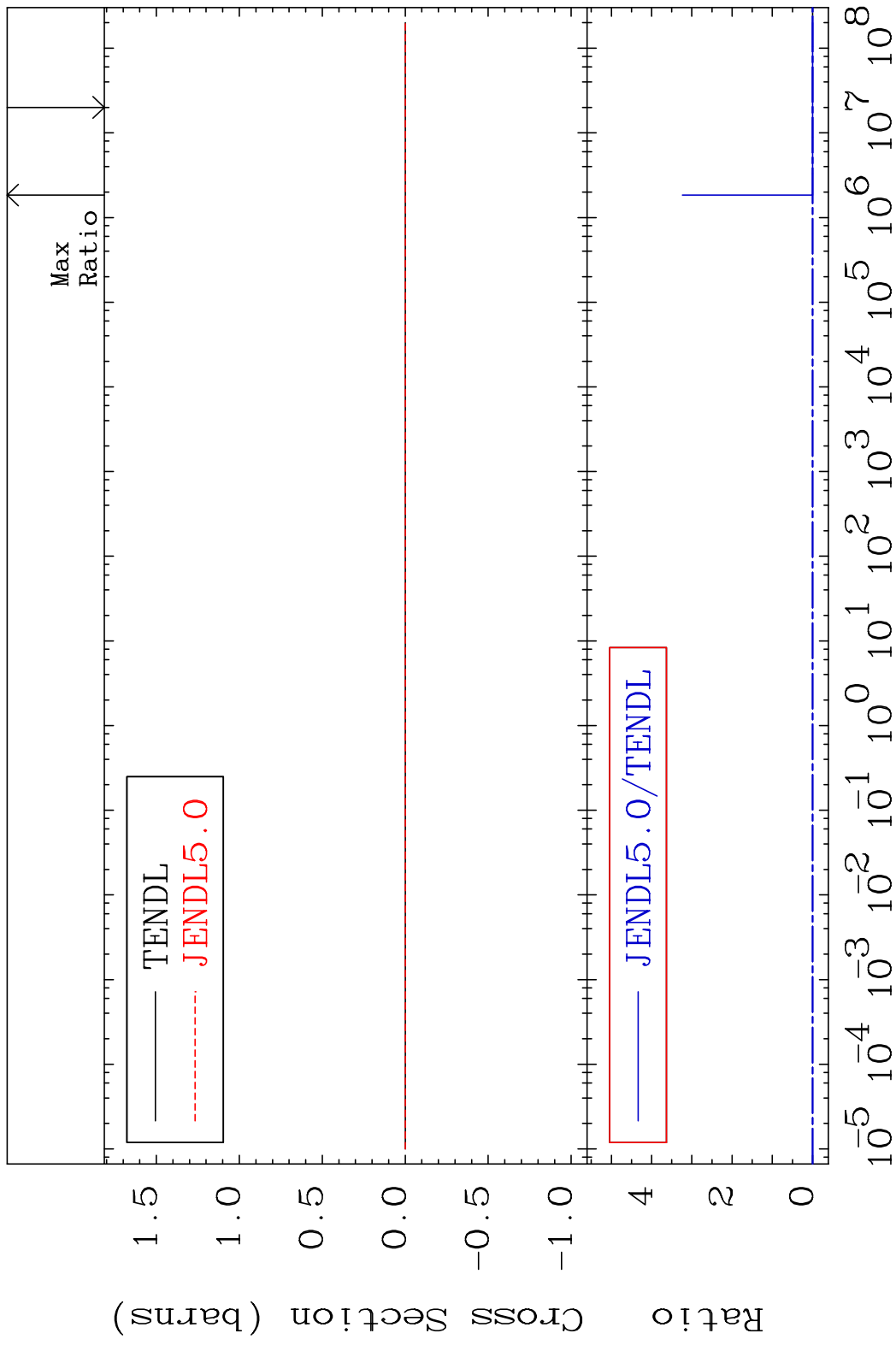
MAT 1425 Kerma non-elastic (all but mt2) 14-Si-28
 Cross Section -98.06 To 4565. %



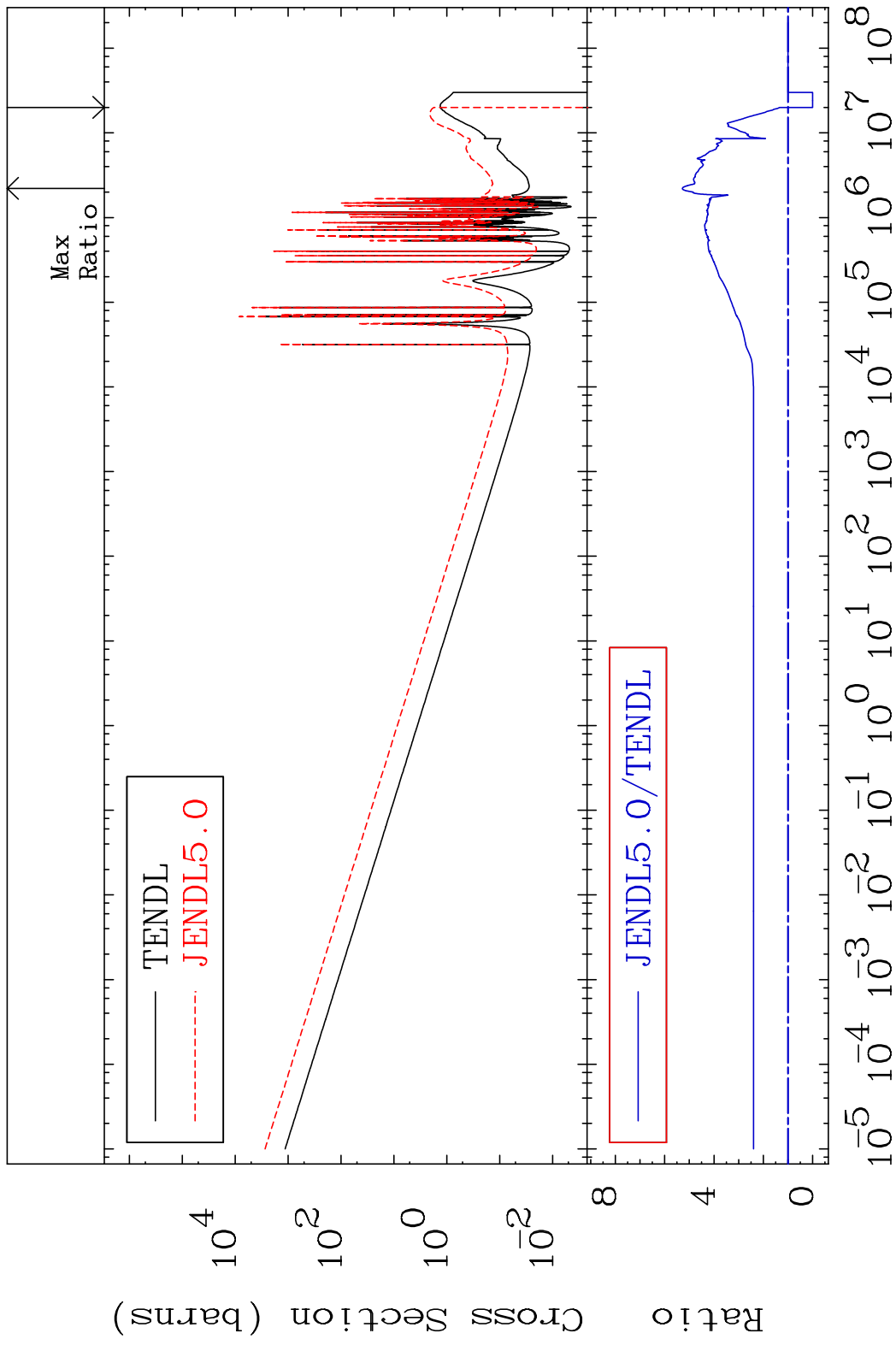
MAT 1425 Kerma inelastic (mt51-91) 14-Si-28
 Cross Section -100.0 To 9999. %



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



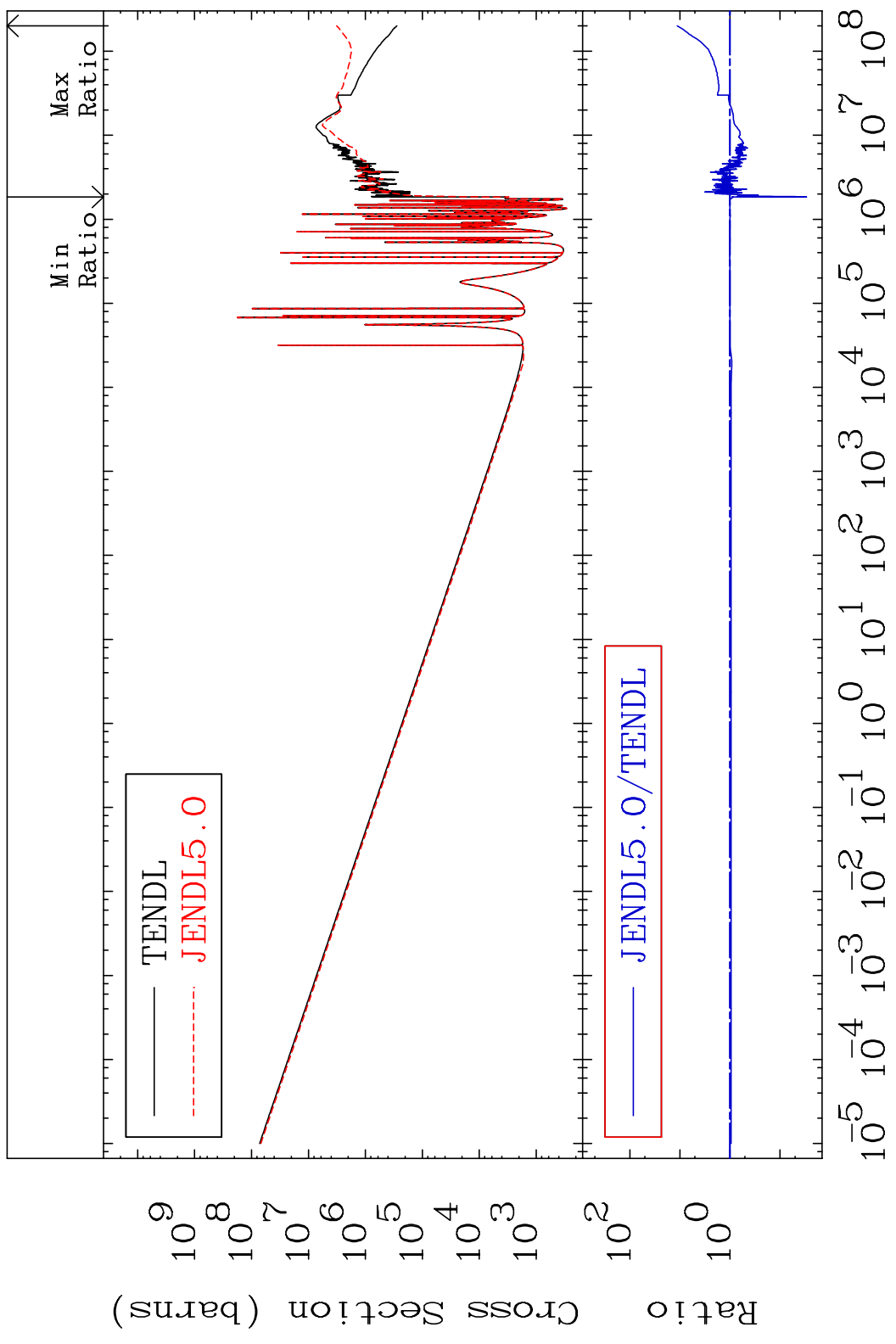
MAT 1425 Kerma capture (mt102) 14-Si-28
 Cross Section -100.0 To 428.3 %



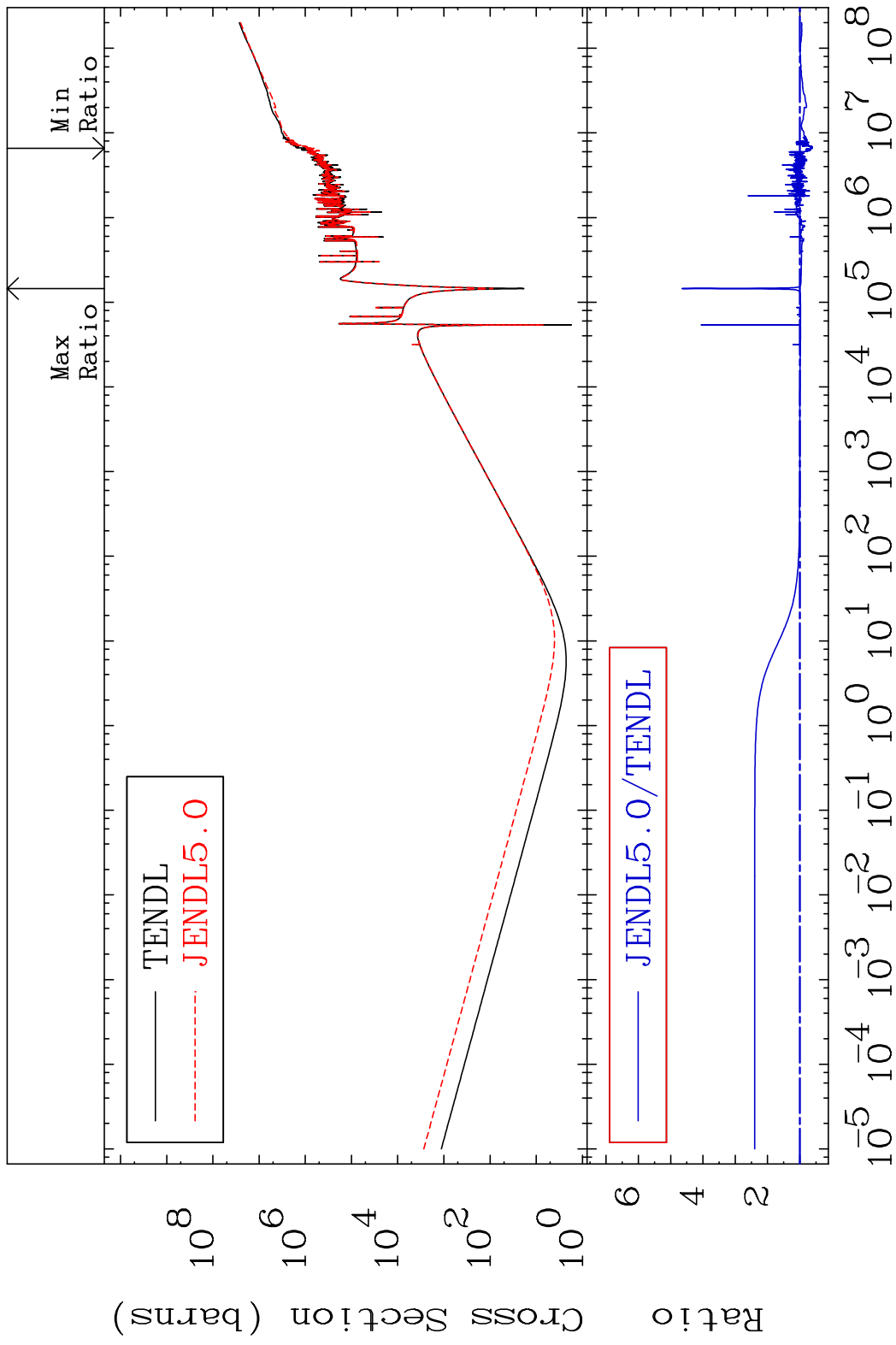
36 Incident Energy (eV) 14-Si-28

MAT 1425

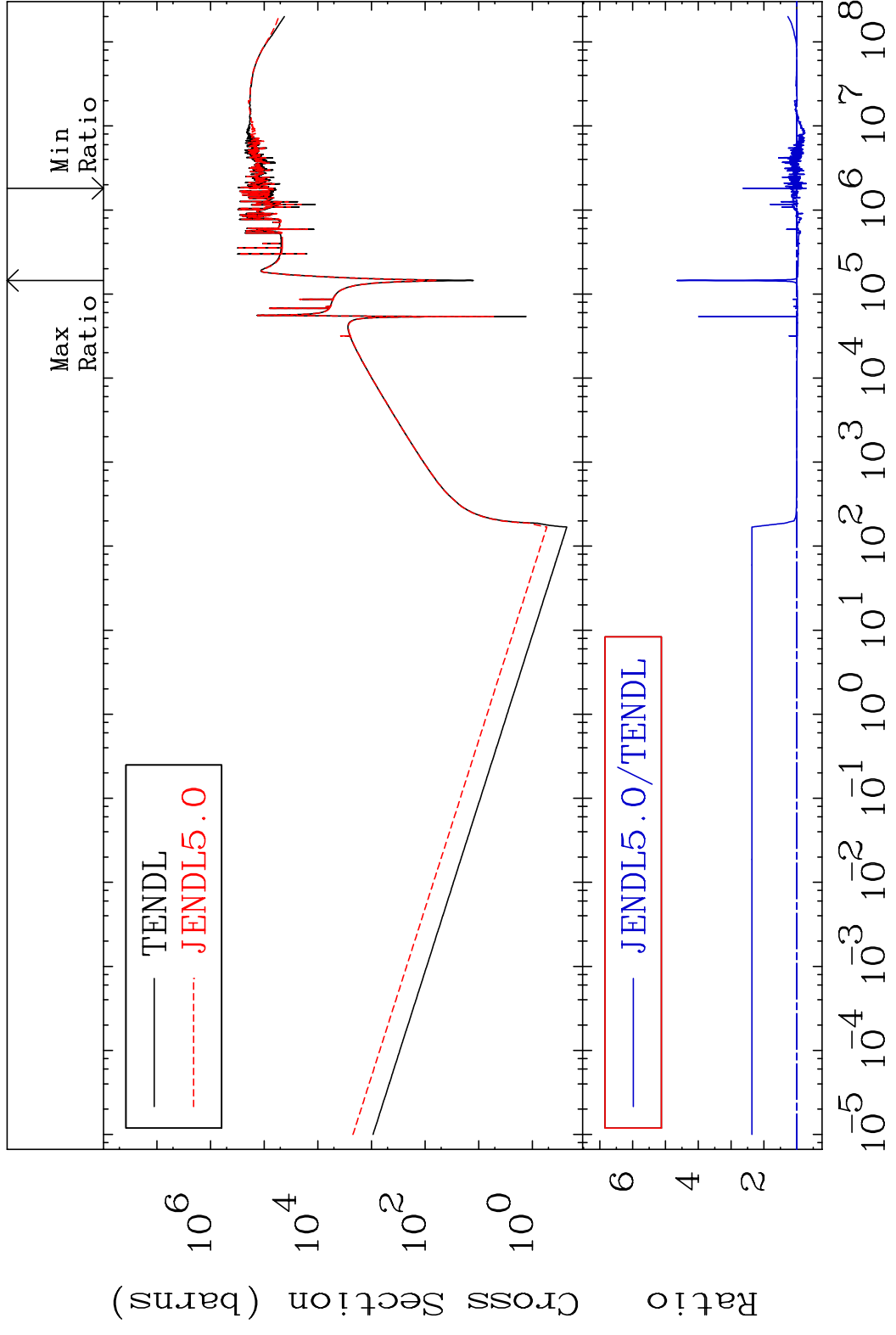
Total photon (eV-barns) 14-Si-28
Cross Section -97.04 To 1033. %



MAT 1425 Total kinematic kerma (high limit) 14-Si-28
 Cross Section -39.34 To 363.8 %



MAT 1425 Dpa total (eV-barns) 14-Si-28
 Cross Section -29.30 To 364.5 %



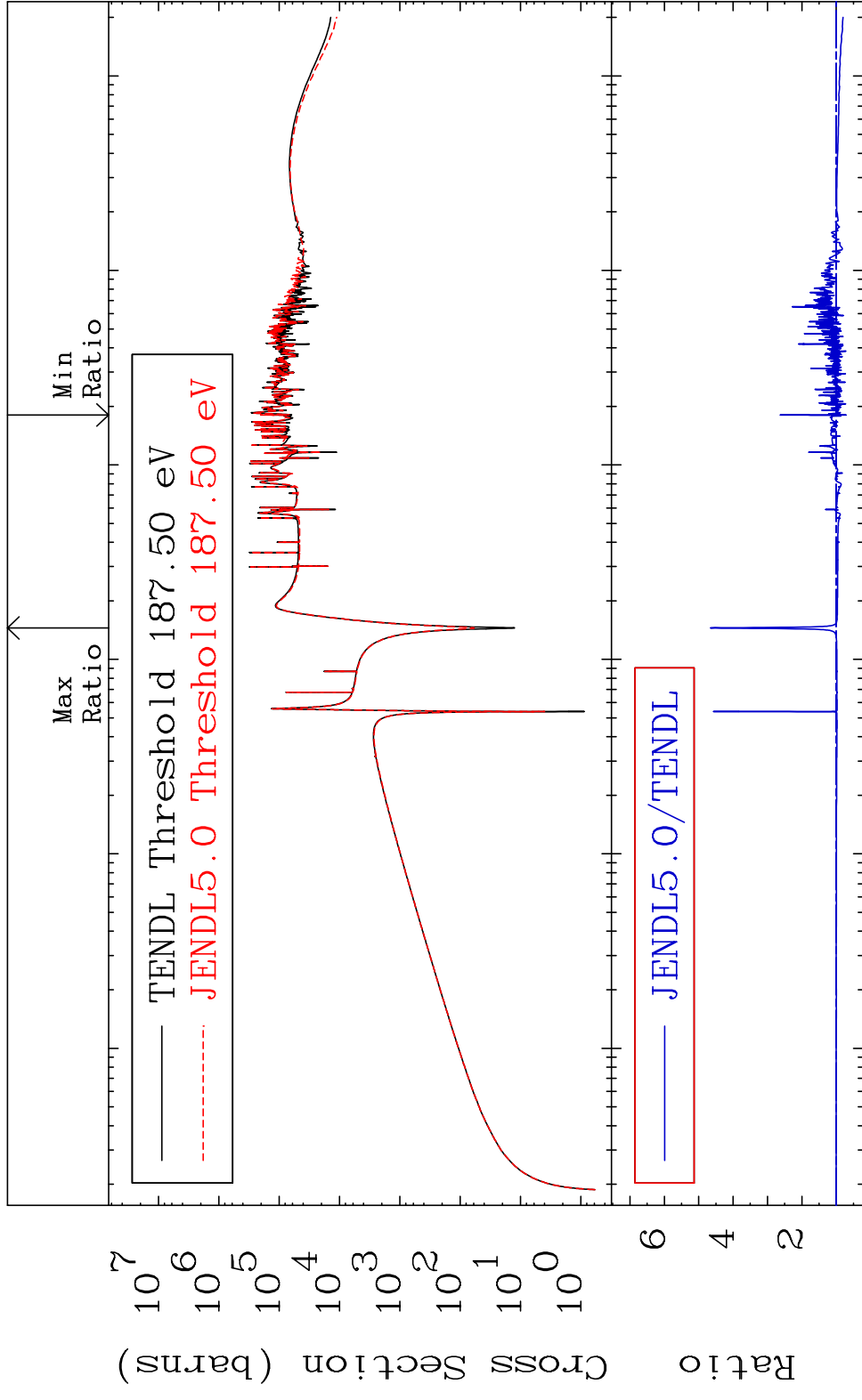
39 Incident Energy (eV) 14-Si-28

MAT 1425

Dpa elastic (mt2)

14-Si-28

Cross Section -29.30 To 365.1 %

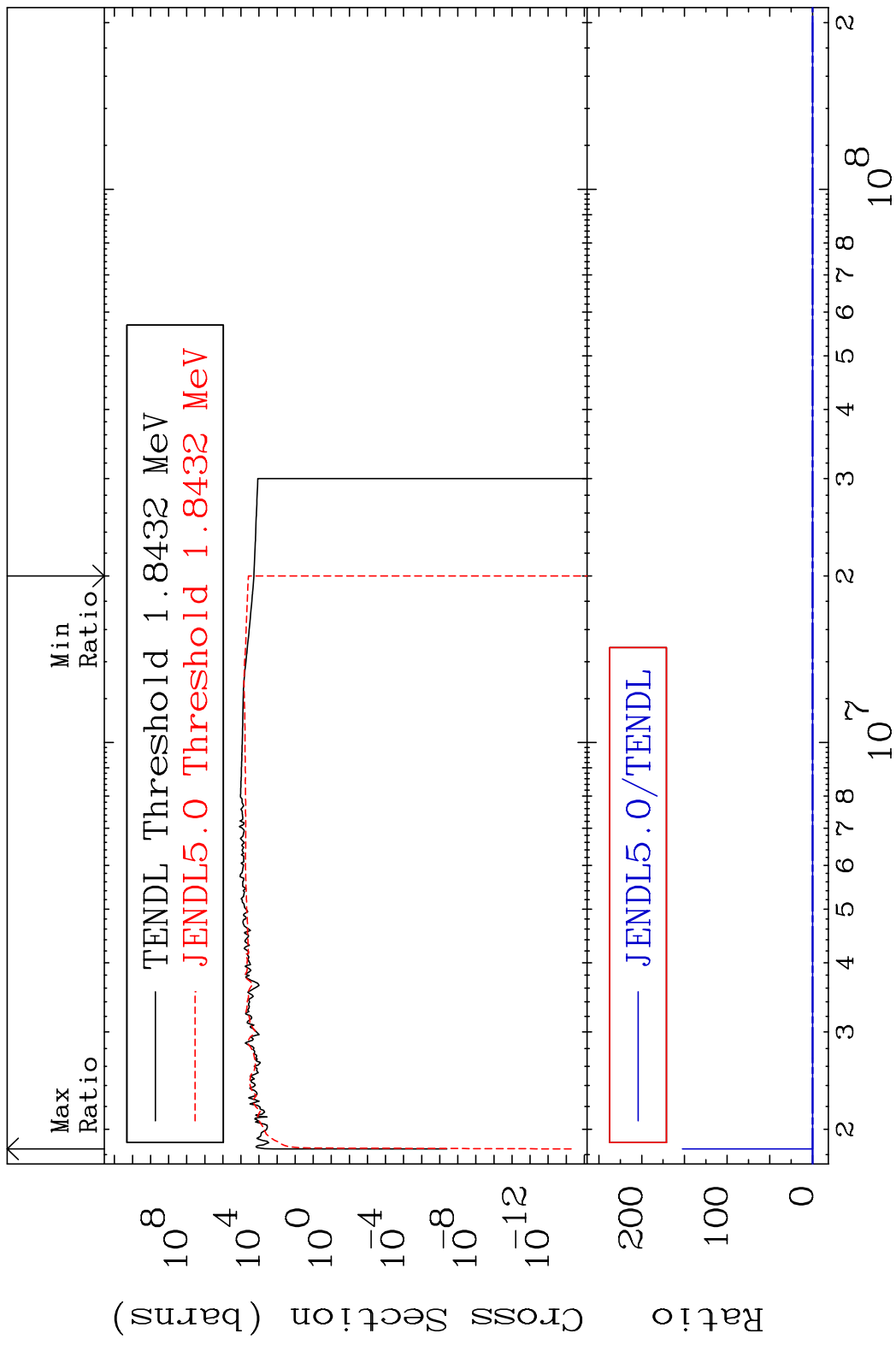


40

Incident Energy (eV)

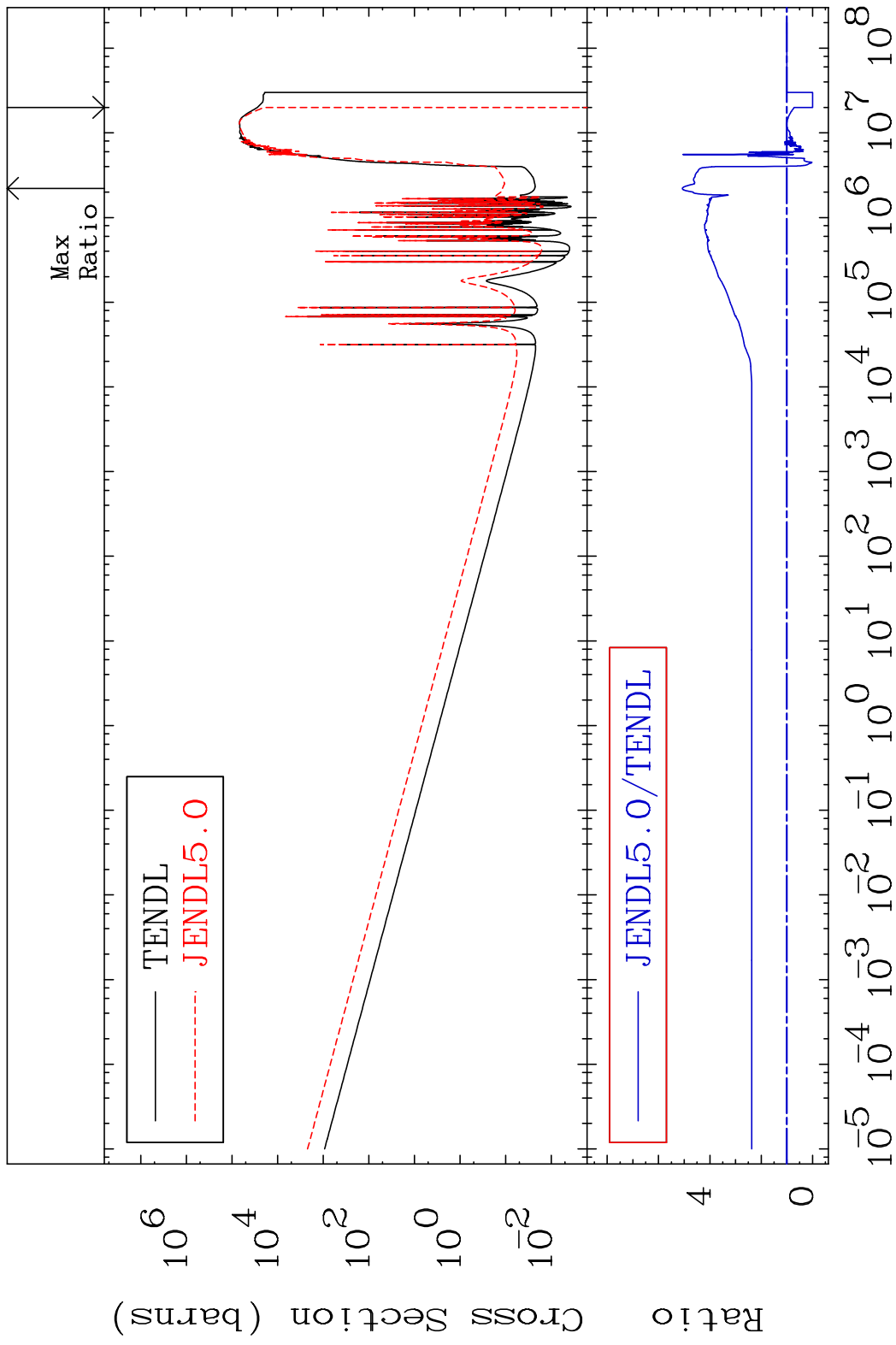
14-Si-28

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



41 Incident Energy (eV) 14-Si-28

MAT 1425 Dpa disappearance (mt102 -120) 14-Si-28
 Cross Section -100.0 To 407.2 %

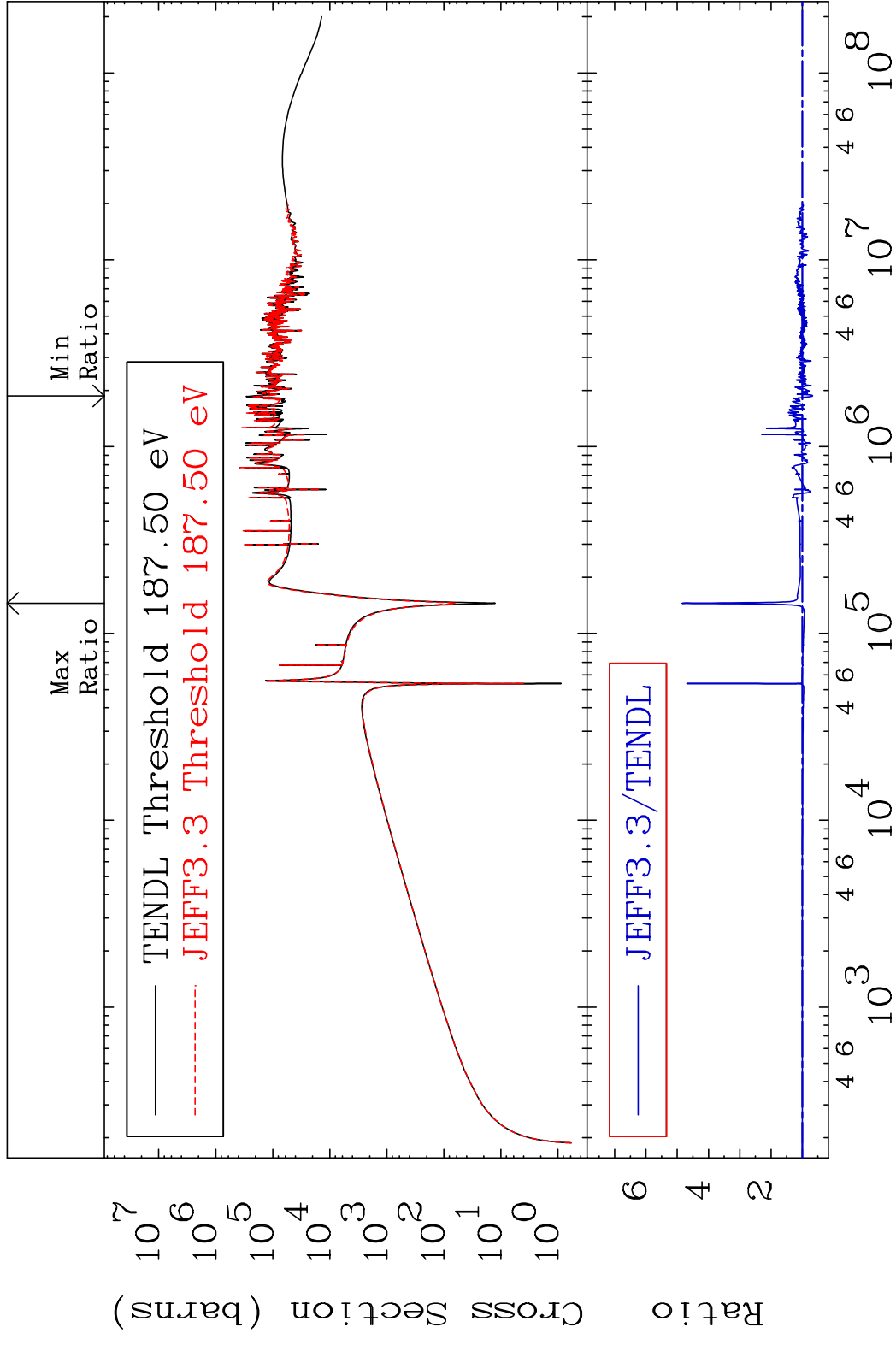


MAT 1425

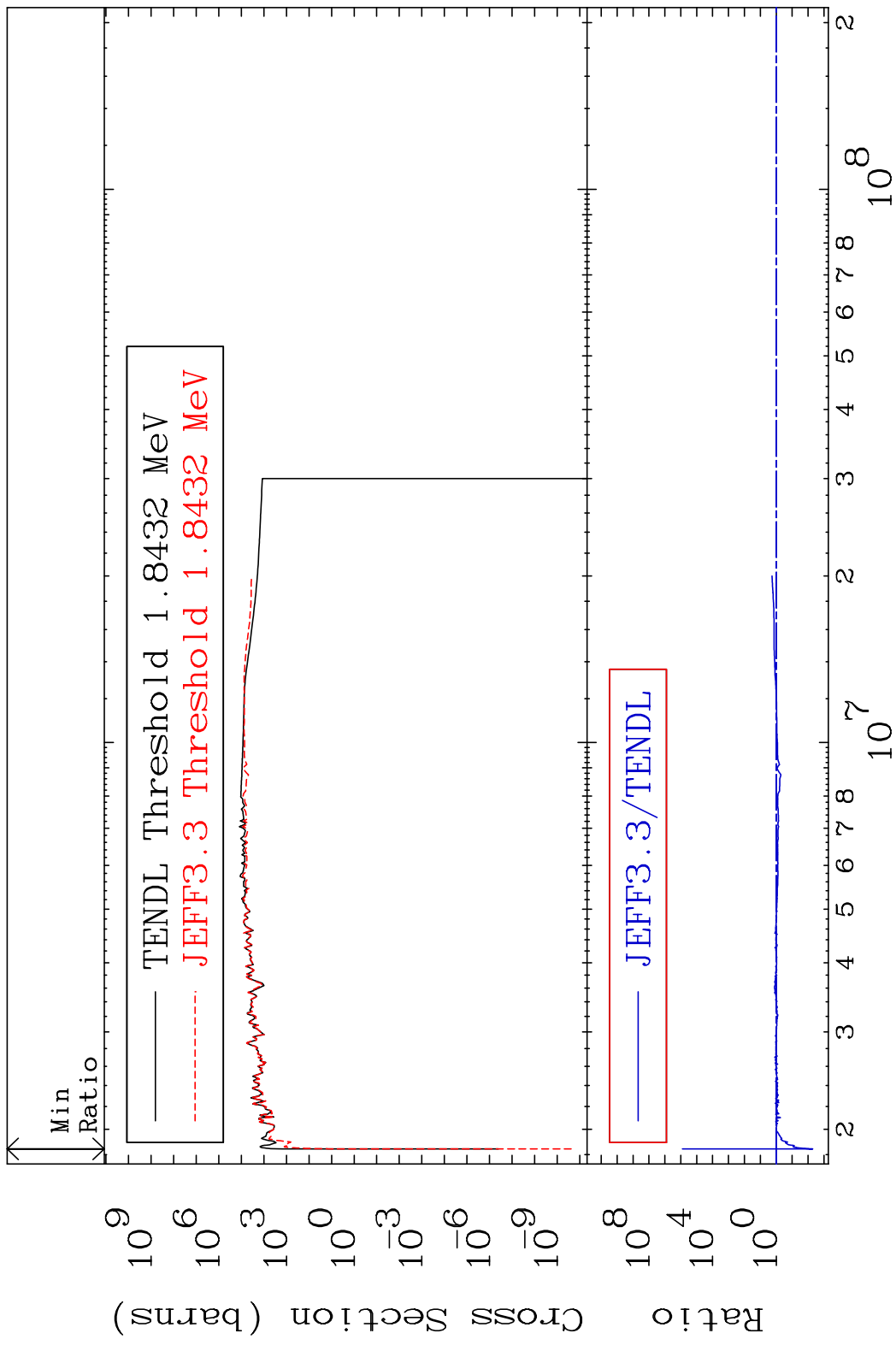
Dpa elastic (mt2)

14-Si-28

Cross Section -32.87 To 383.6 %



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 -40.13 To 3299. %

