

Program Complot
(Version 2018-1)

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

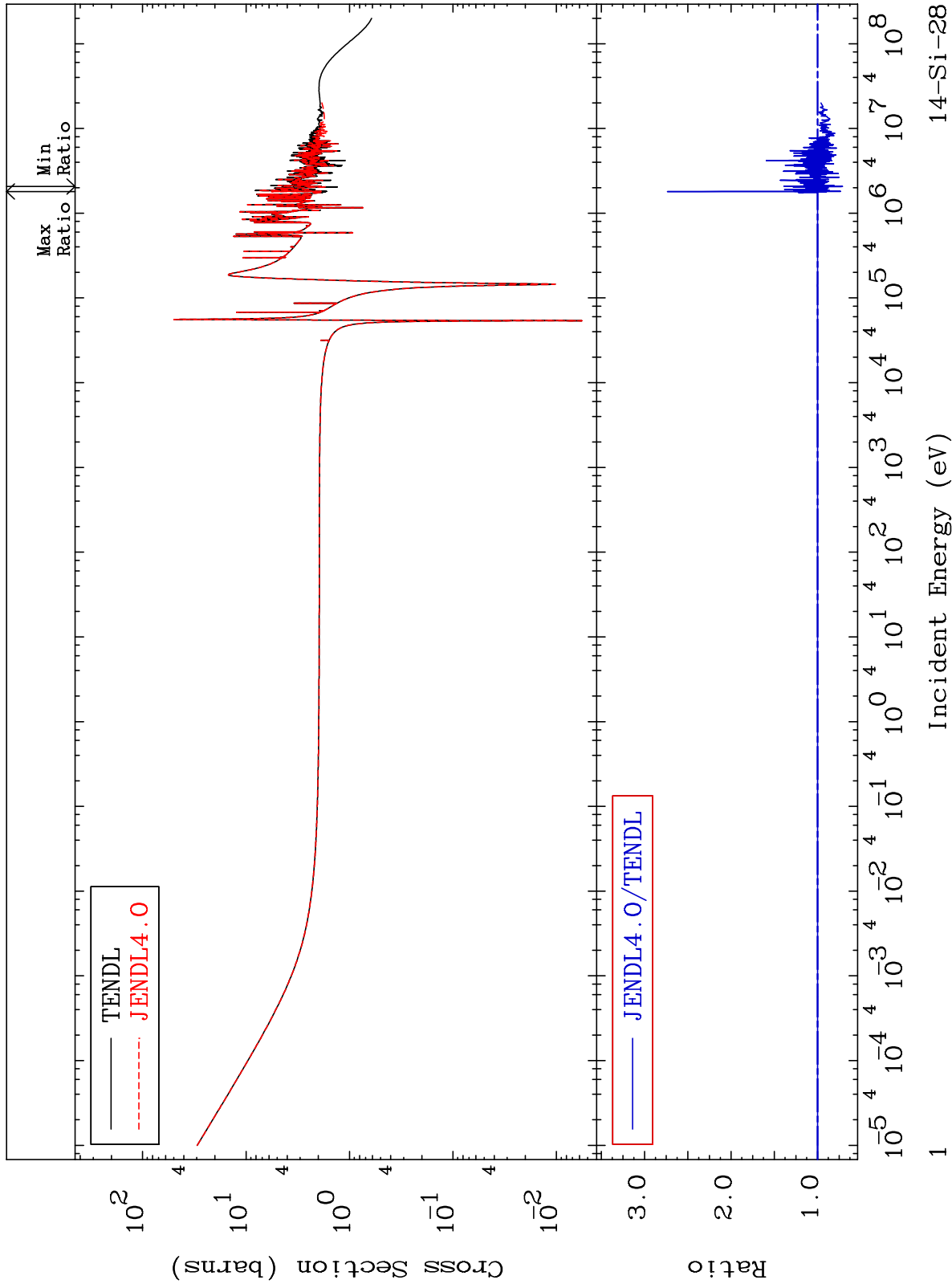
MAT 1425

Total

14-Si-28

Cross Section

-29.08 To 173.5 %

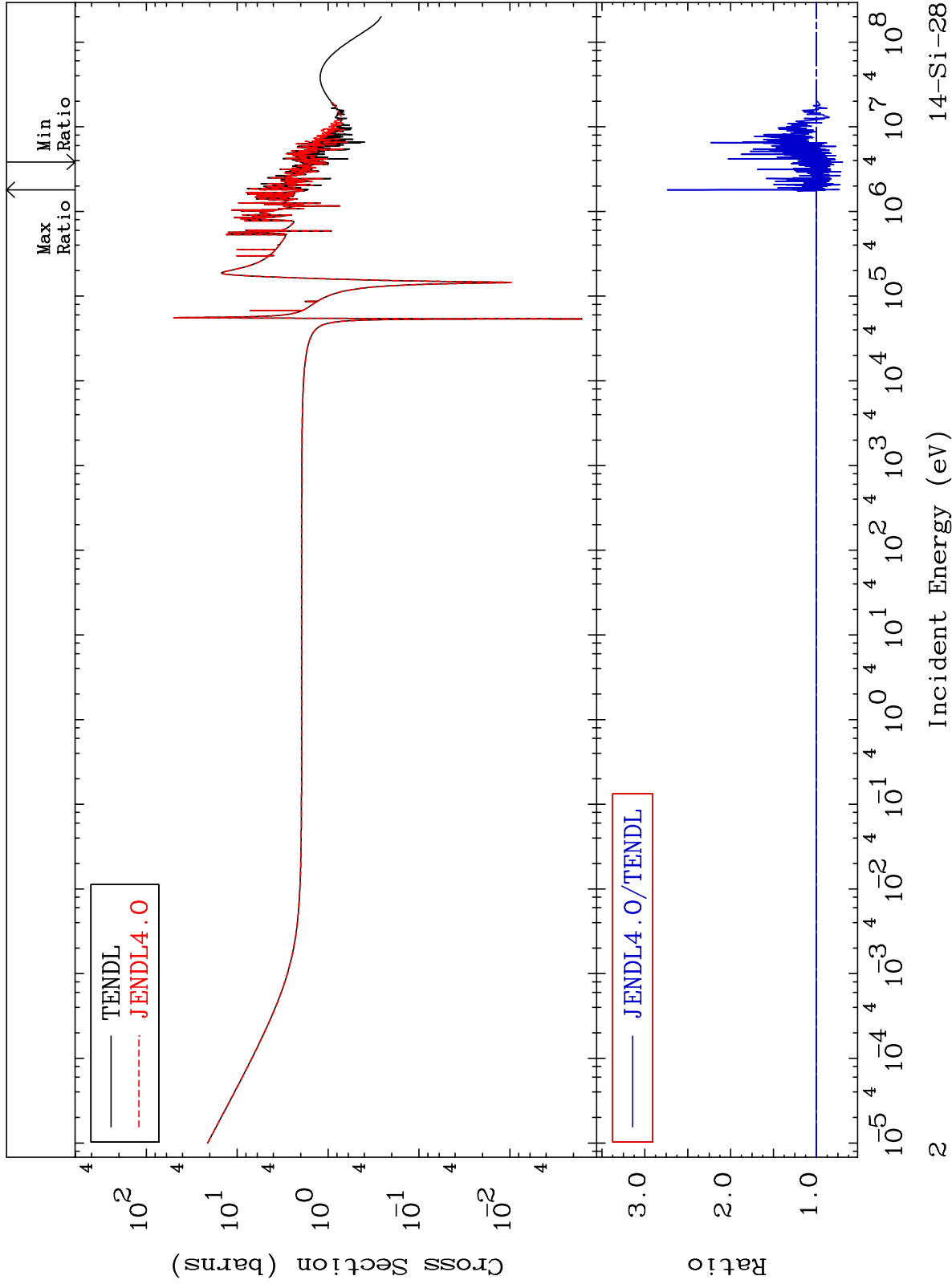


14-Si-28

MAT 1425

Elastic
Cross Section

14-Si-28
-30.62 To 173.5 %



14-Si-28

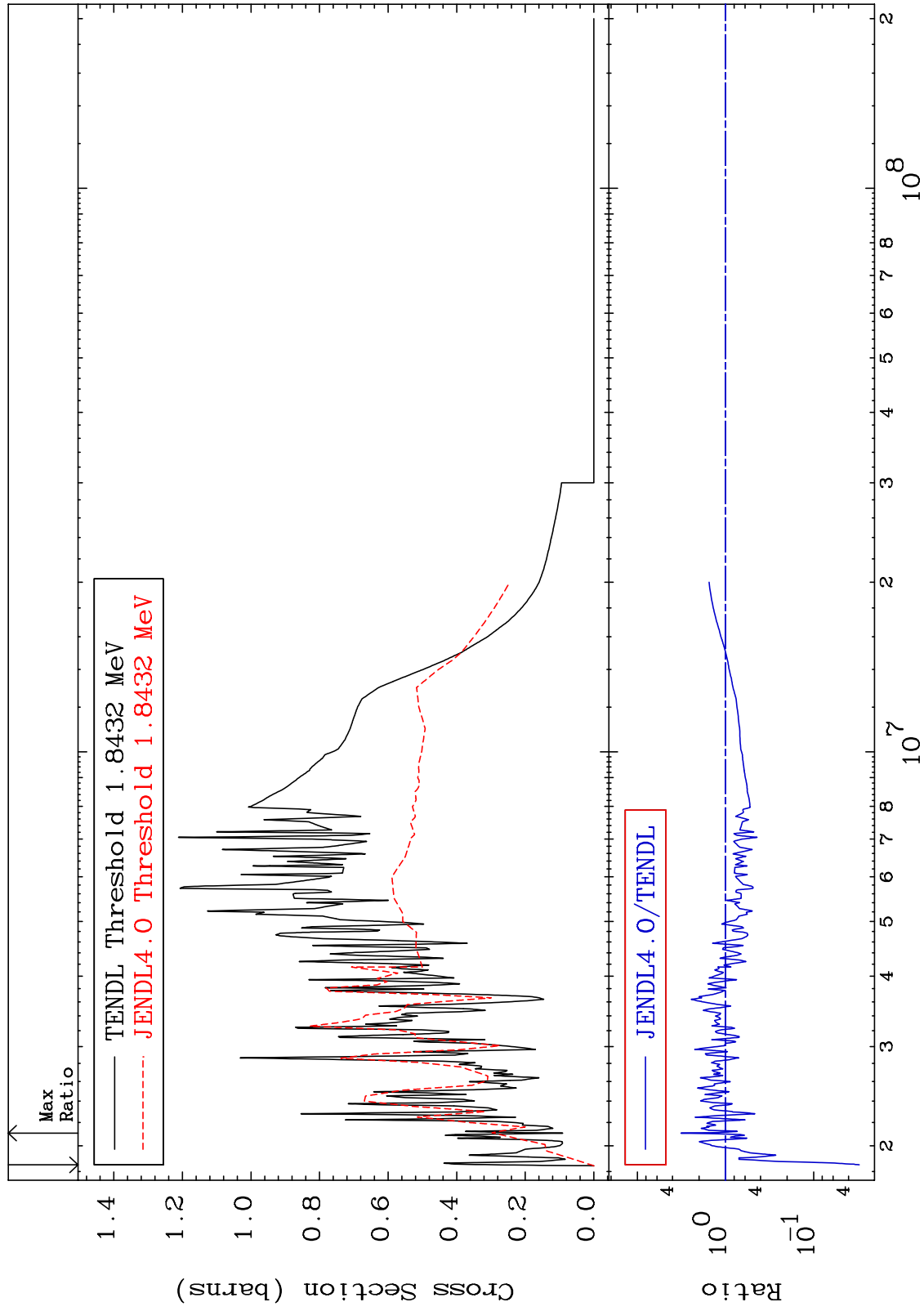
Incident Energy (eV)

2

MAT 1425

Inelastic
Cross Section

14-Si-28
-96.97 To 220.0 %



3

Incident Energy (eV)

14-Si-28

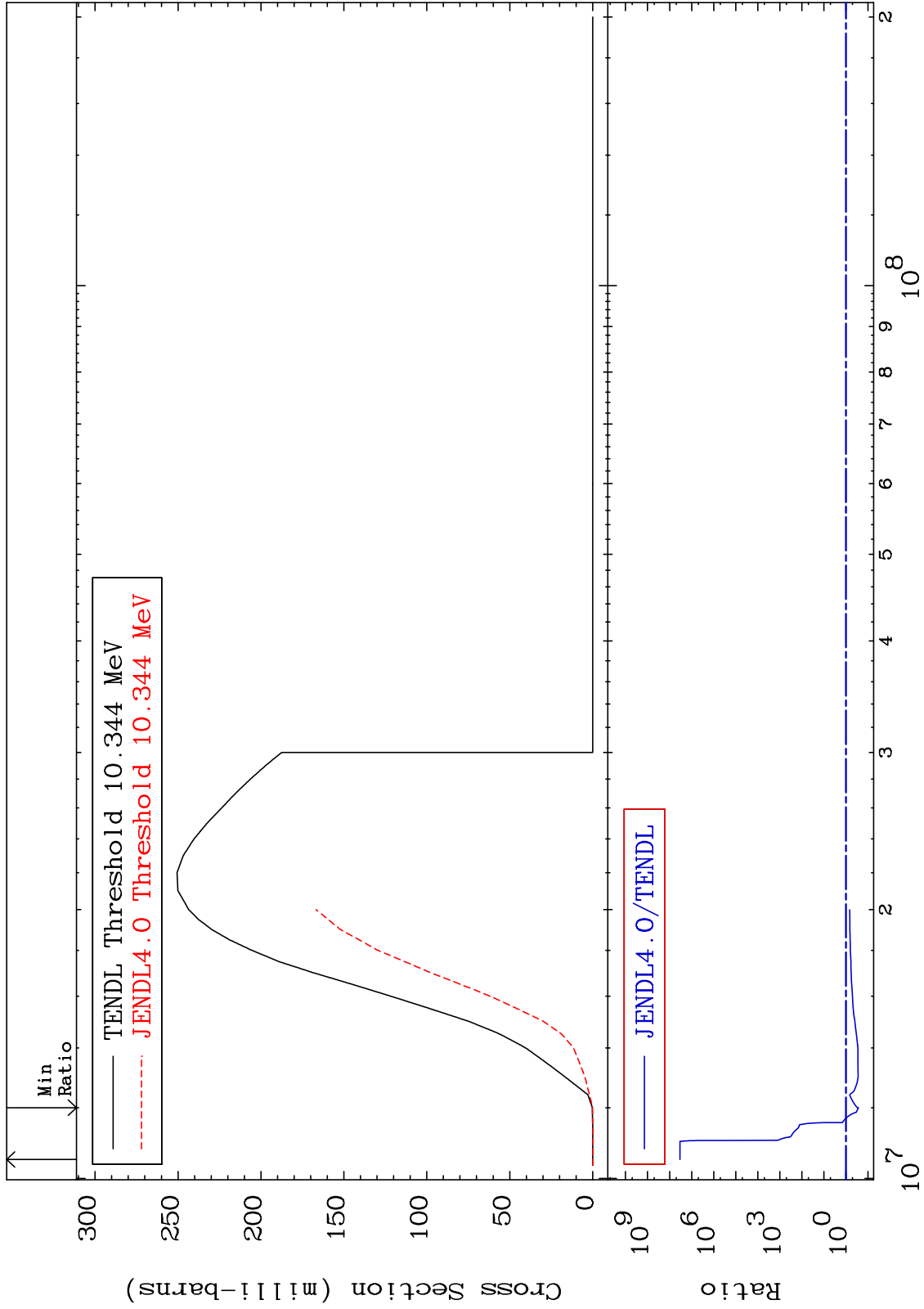
MAT 1425

(n,n') α

14-Si-28

Cross Section

-72.82 To 9999. %



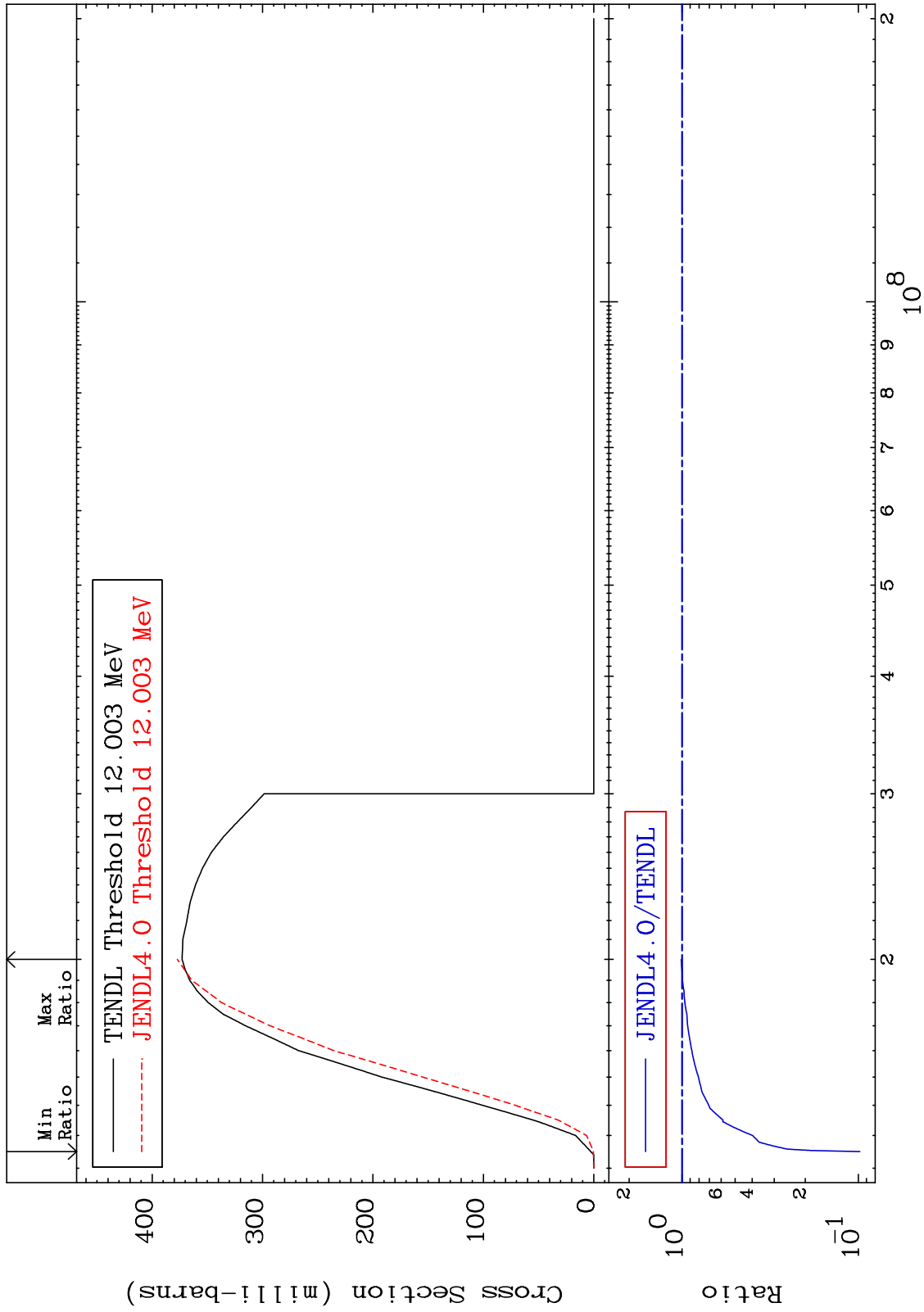
Incident Energy (eV)

14-Si-28

MAT 1425

(n,n') p
Cross Section

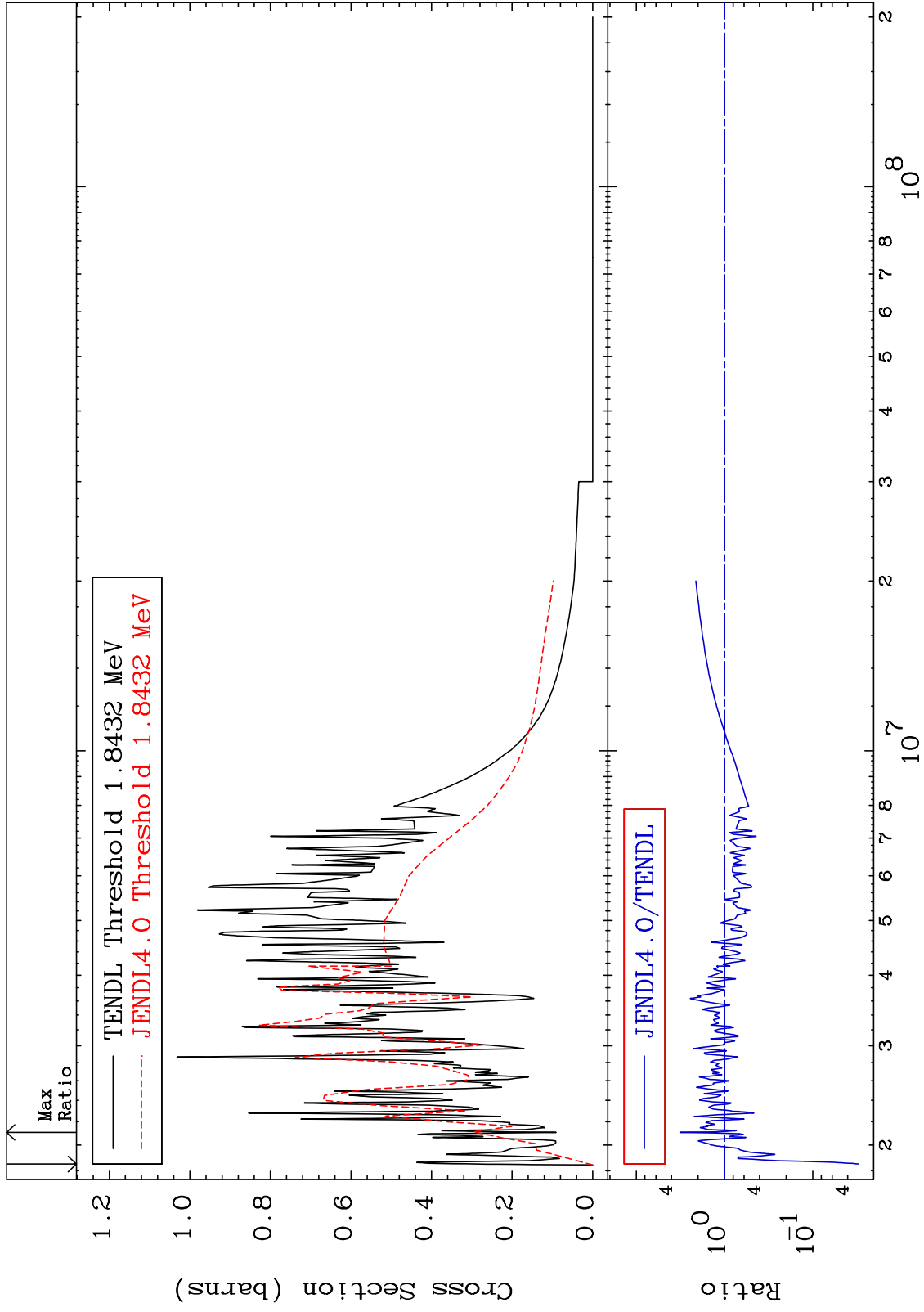
14-Si-28
-90.21 To 1.137 %



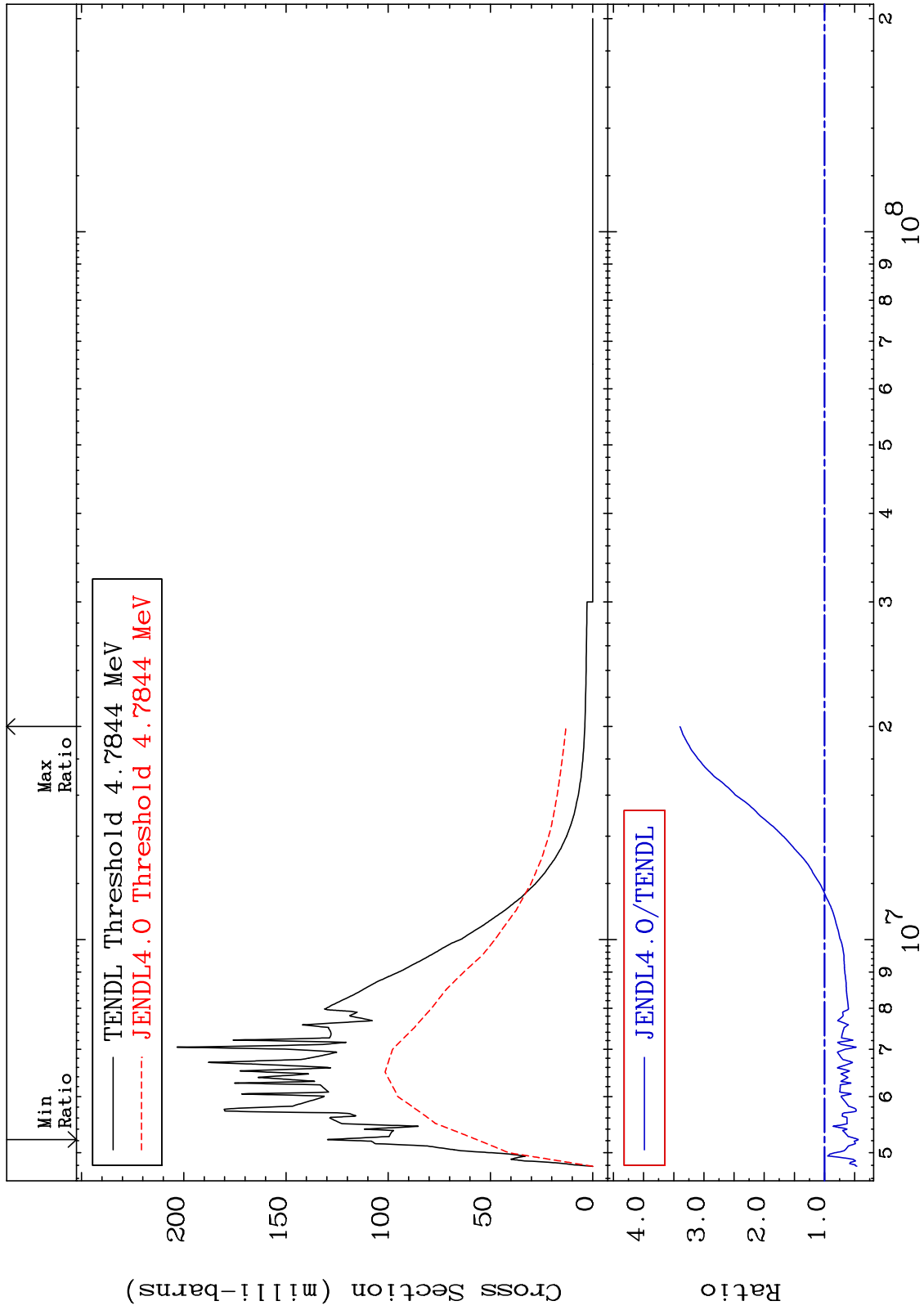
MAT 1425

MT= 51 (n,n') Level
Cross Section

14-Si-28
-96.97 To 220.0 %



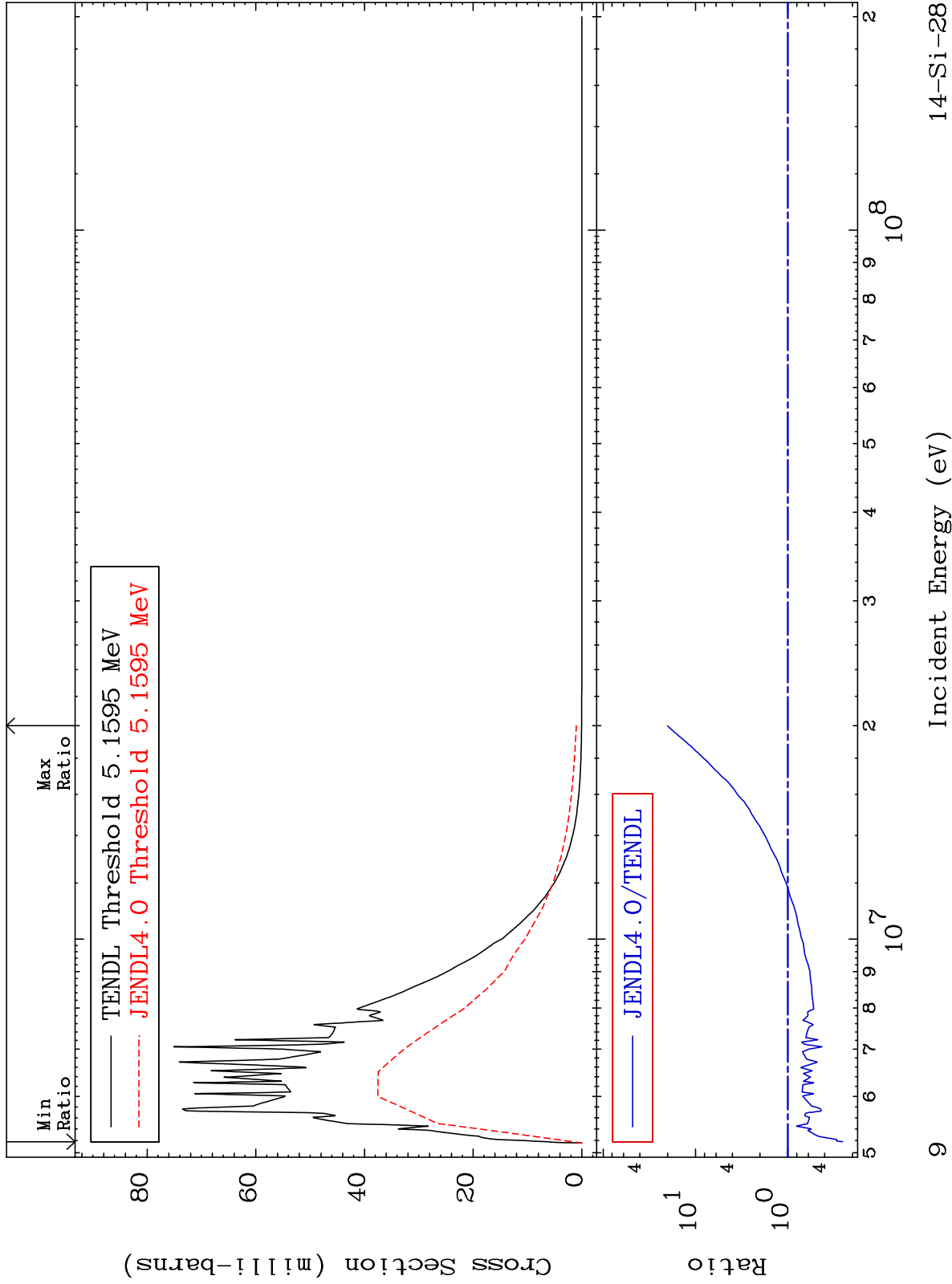
MAT 1425 MT= 52 (n,n') Level Cross Section 14-Si-28
-56.19 To 239.6 %



MAT 1425

MT= 53 (n,n') Level
Cross Section

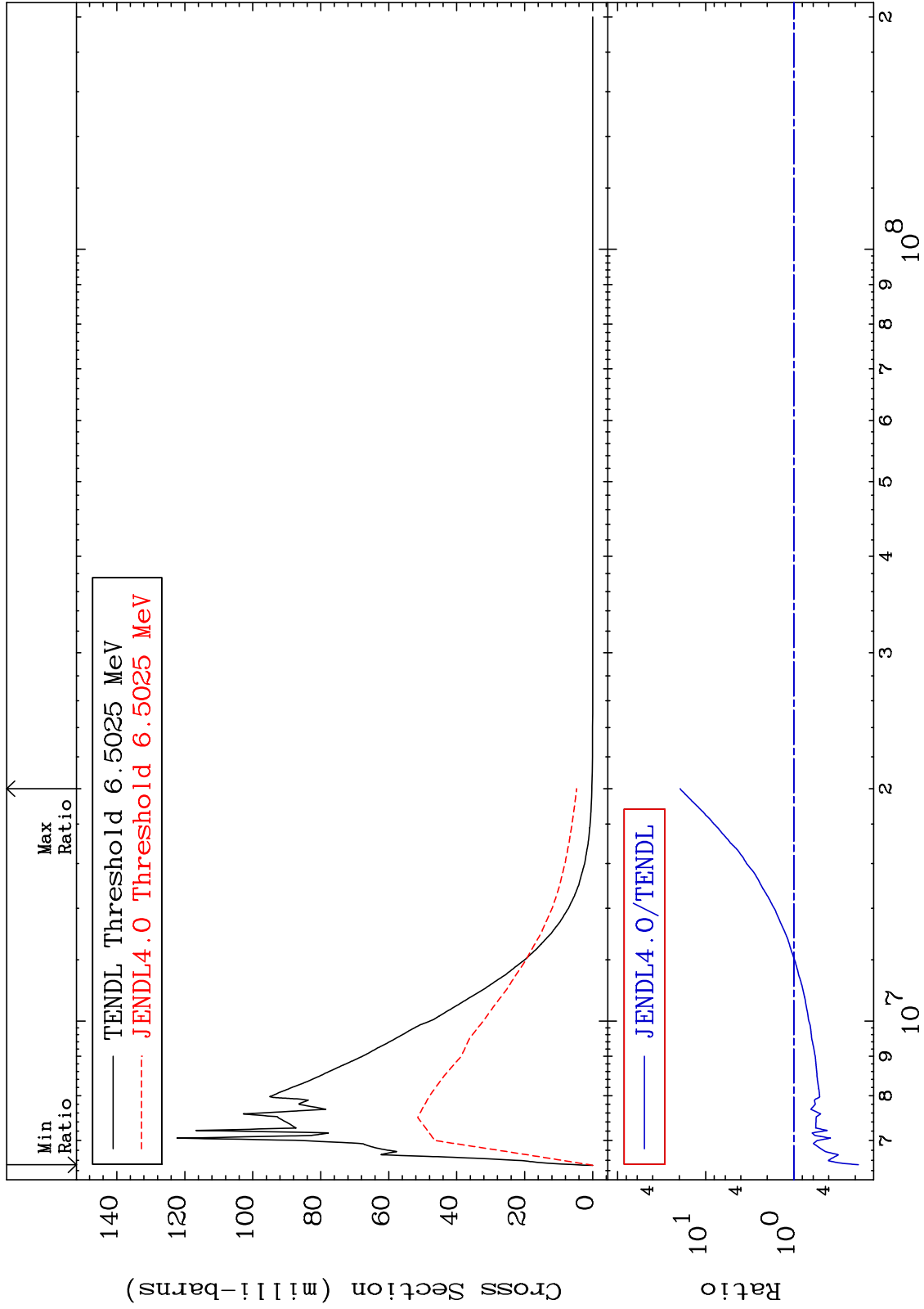
14-Si-28
-74.49 To 1909. %



MAT 1425

MT= 54 (n,n') Level
Cross Section

14-Si-28
-81.57 To 1858. %



10

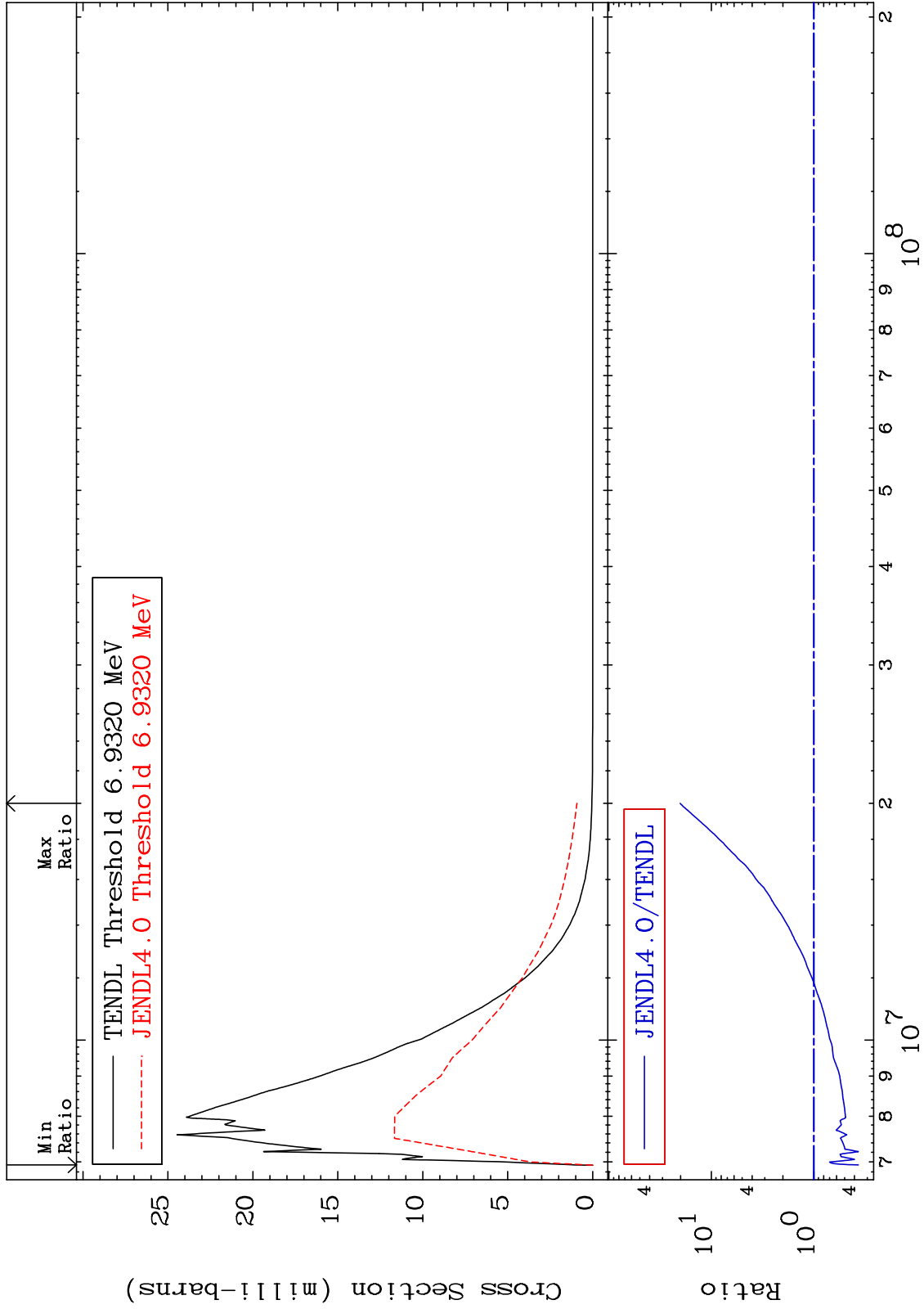
Incident Energy (eV)

14-Si-28

MAT 1425

MT= 55 (n,n') Level
Cross Section

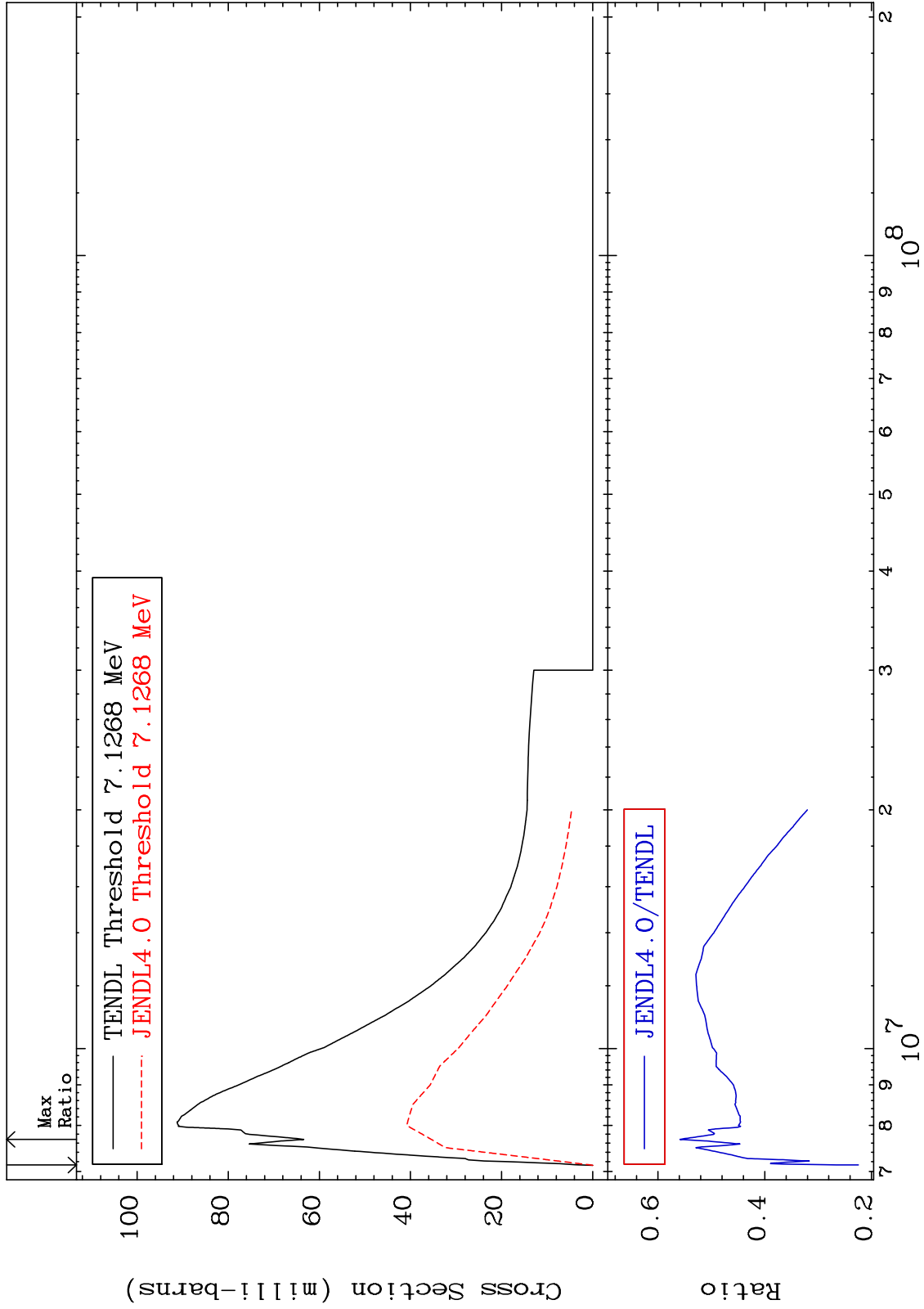
14-Si-28
-63.34 To 1922. %



MAT 1425

MT= 56 (n,n') Level
Cross Section

14-Si-28
-77.55 To -44.14%



12

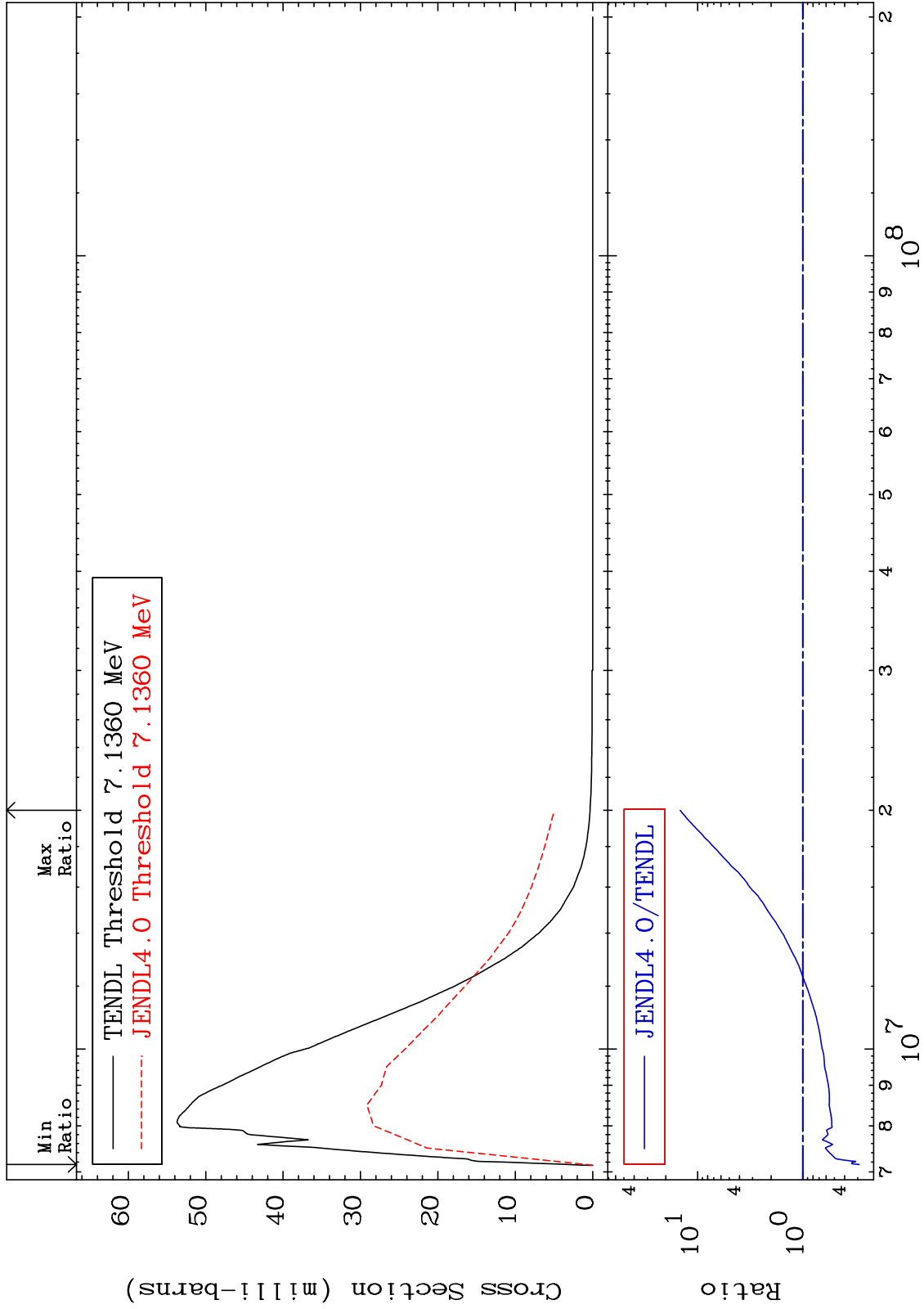
14-Si-28

14-Si-28

MAT 1425

MT= 57 (n,n') Level
Cross Section

14-Si-28
-70.41 To 1368. %

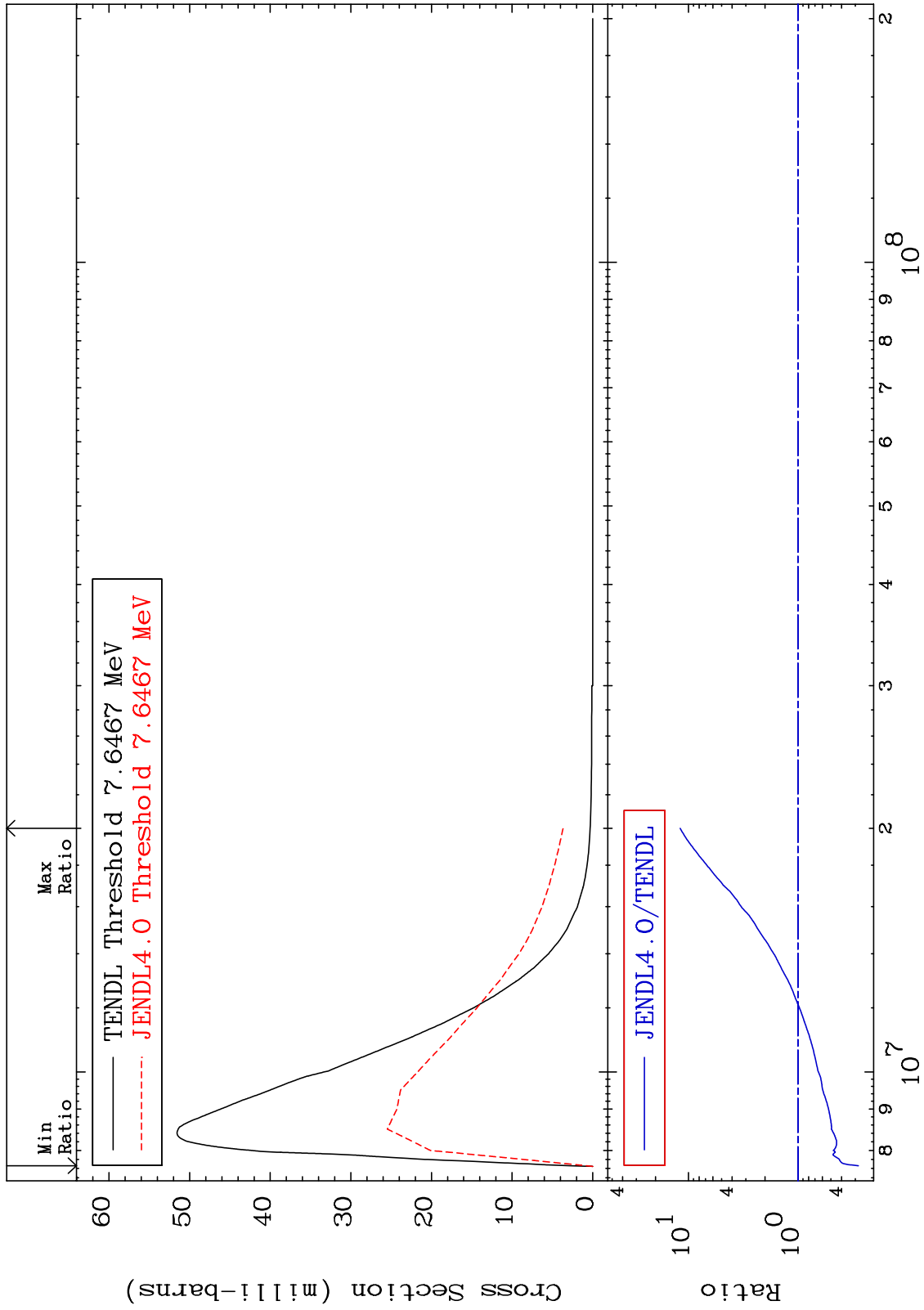


14-Si-28

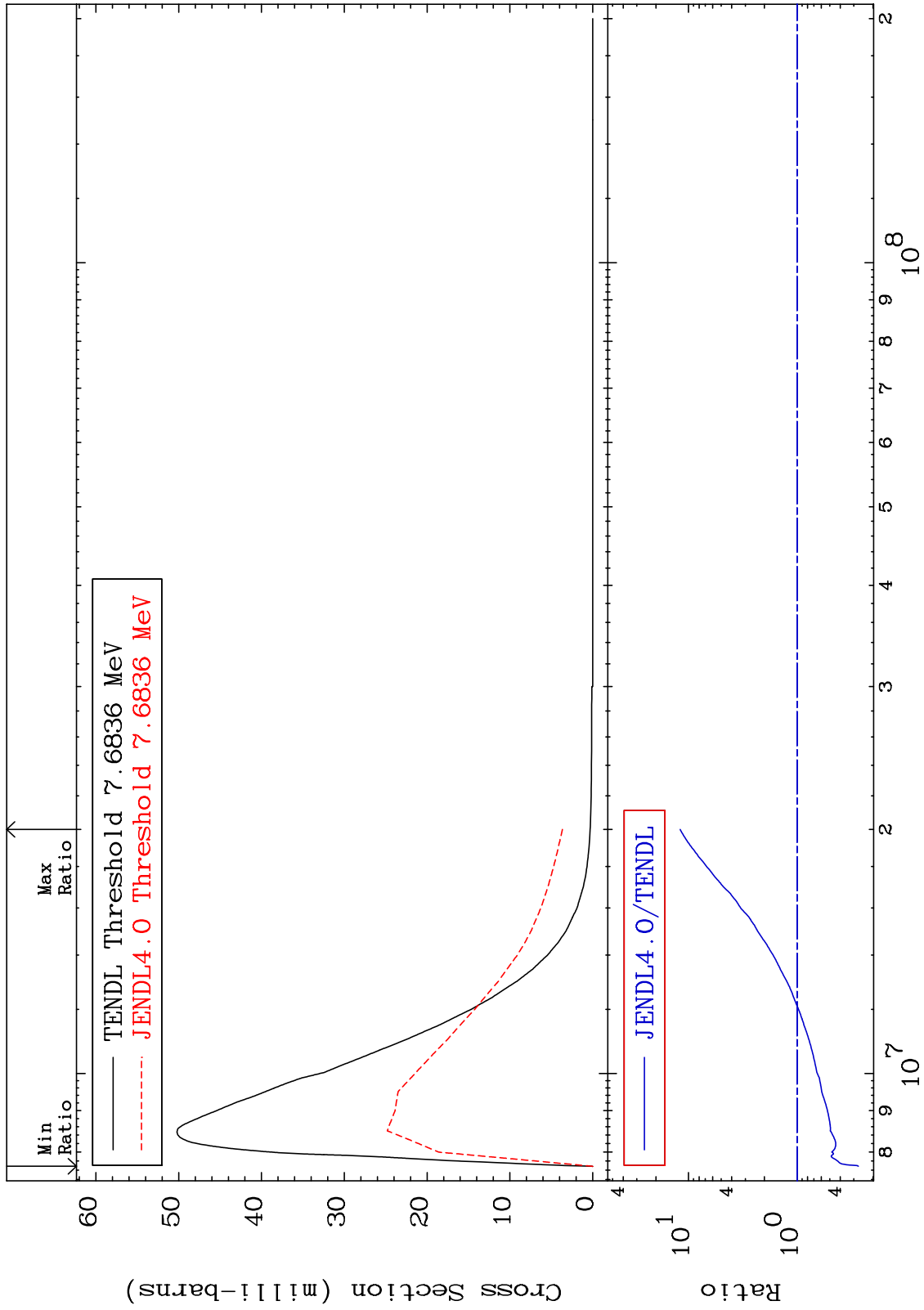
Incident Energy (eV)

13

MAT 1425 MT= 58 (n,n') Level 14-Si-28
 Cross Section -71.92 To 1097. %



MAT 1425 MT= 59 (n,n') Level 14-Si-28
 Cross Section -72.76 To 1098. %

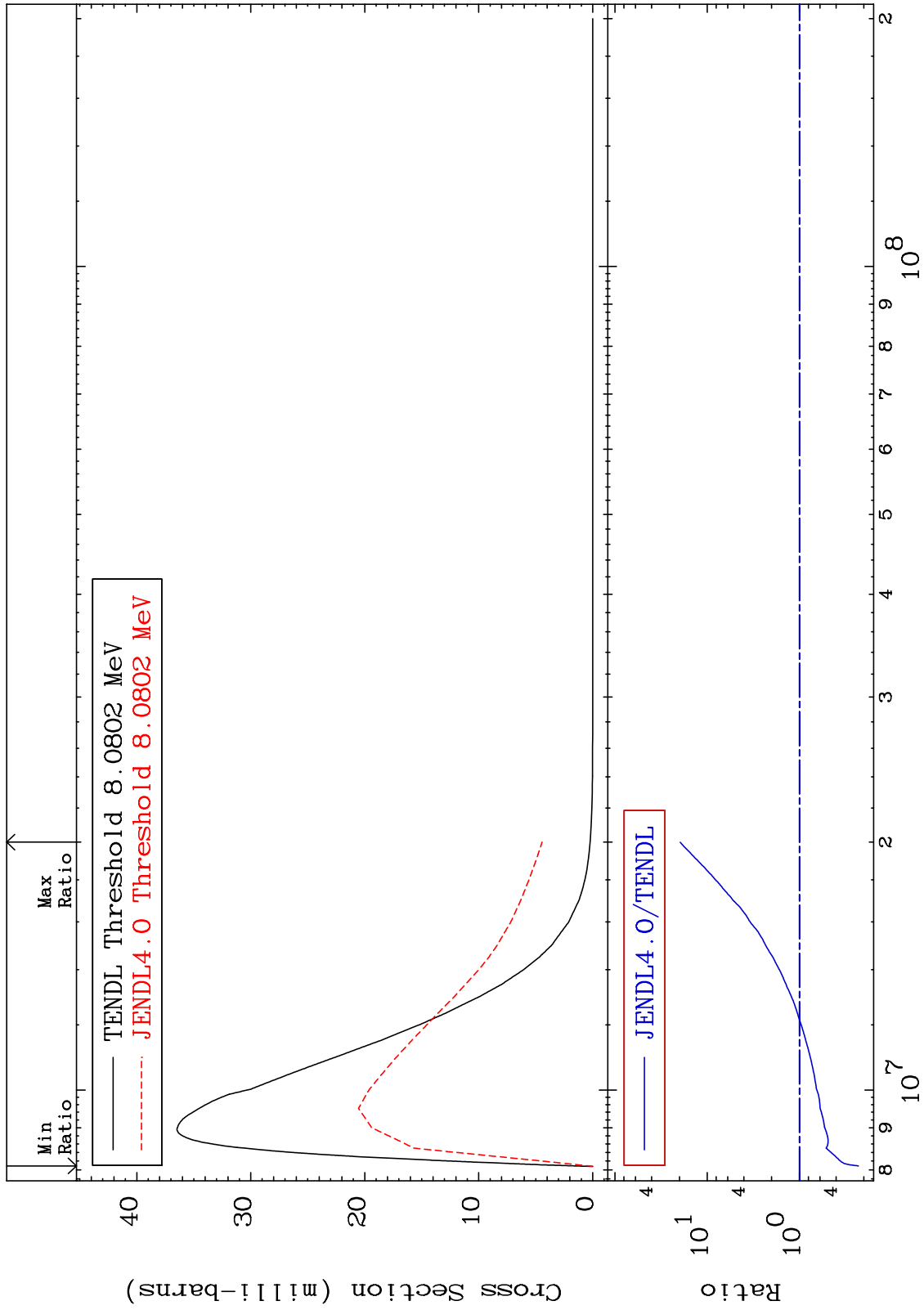


15 Incident Energy (eV) 14-Si-28

MAT 1425

MT= 60 (n,n') Level
Cross Section

14-Si-28
-77.08 To 1871. %



16

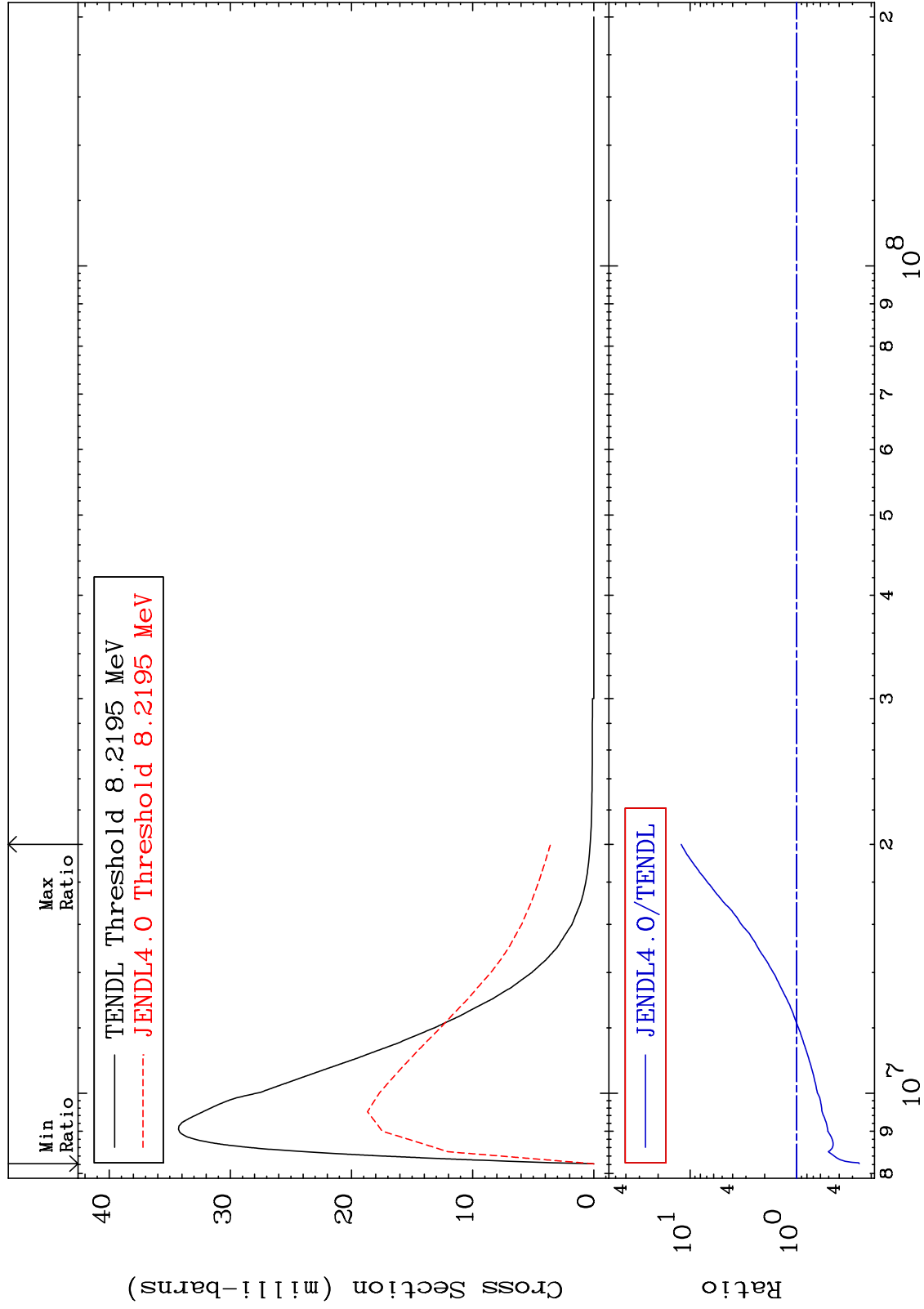
Incident Energy (eV)

14-Si-28

MAT 1425

MT= 61 (n,n') Level
Cross Section

14-Si-28
-74.13 To 1116. %



17

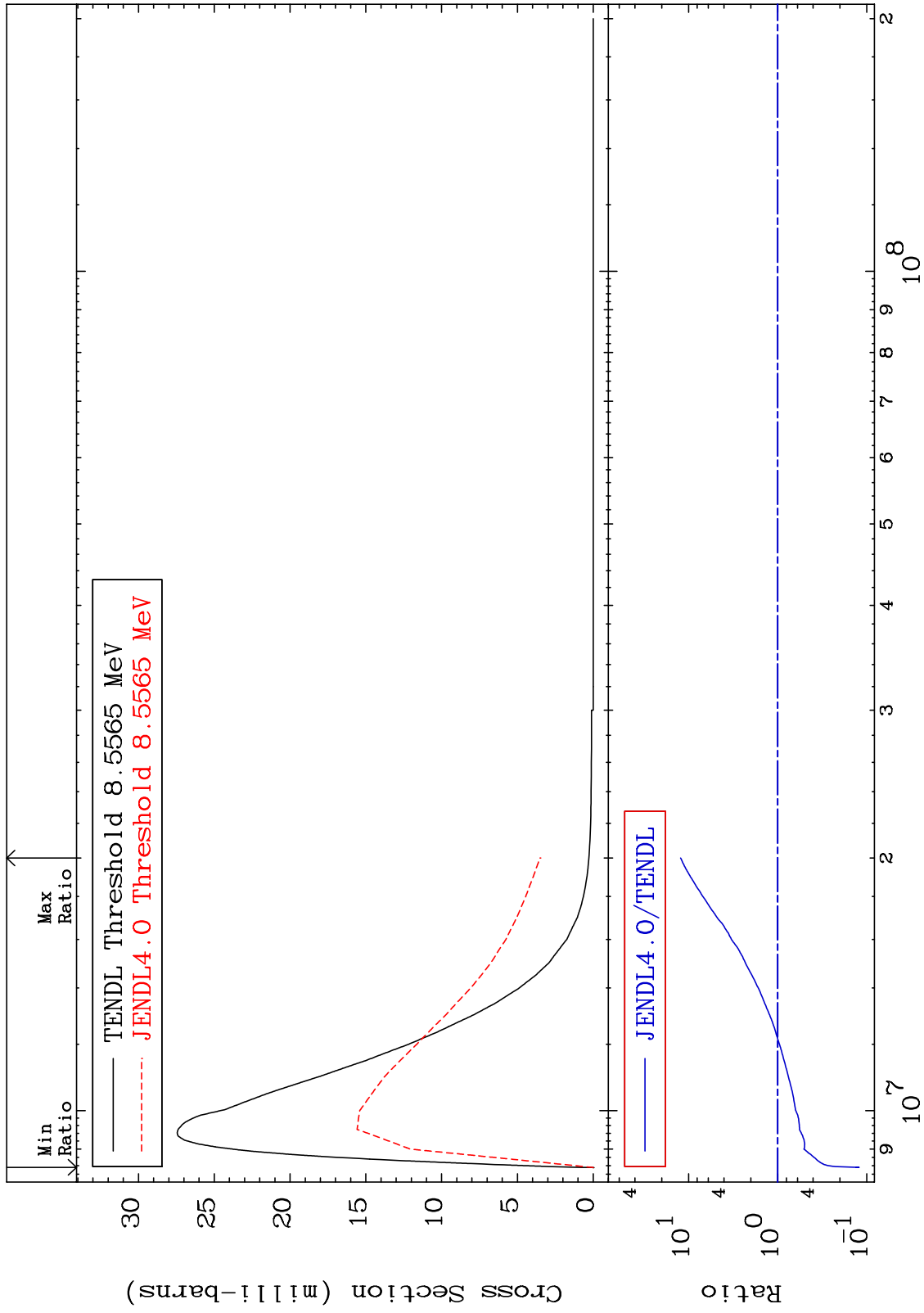
14-Si-28

14-Si-28

MAT 1425

MT= 62 (n,n') Level
Cross Section

14-Si-28
-87.82 To 1129. %



18

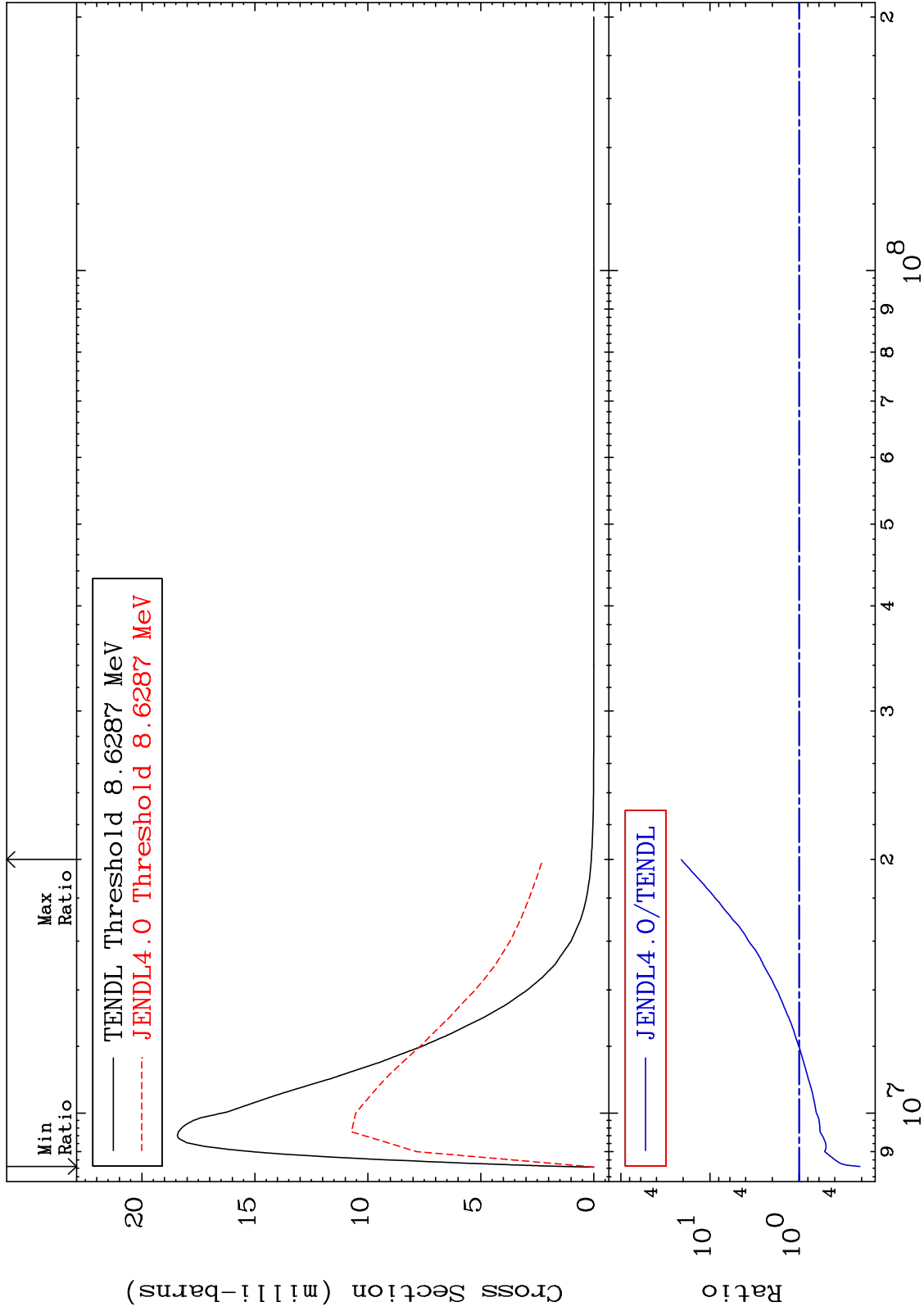
Incident Energy (eV)

14-Si-28

MAT 1425

MT= 63 (n,n') Level
Cross Section

14-Si-28
-79.16 To 2005. %



19

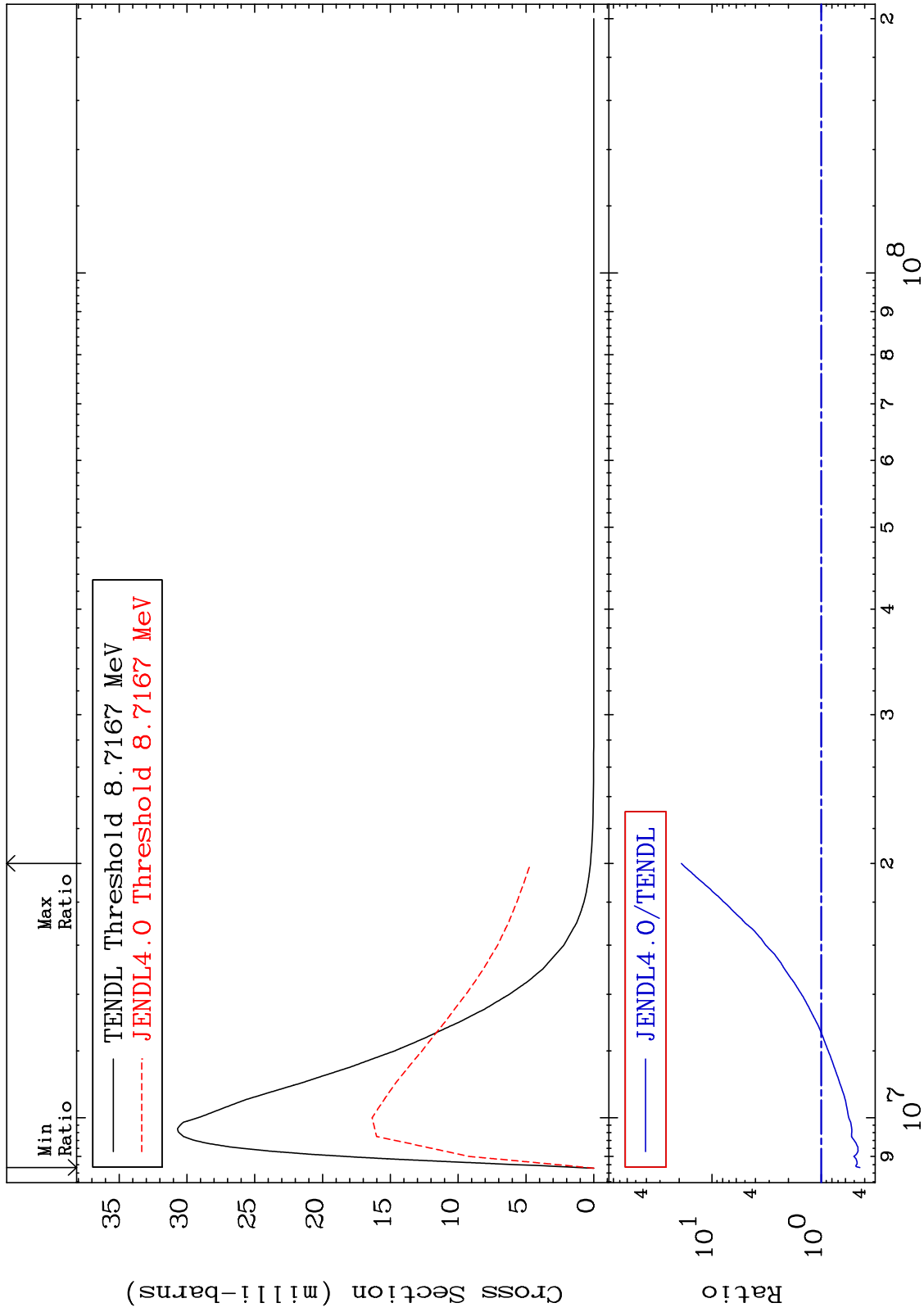
Incident Energy (eV)

14-Si-28

MAT 1425

MT= 64 (n,n') Level
Cross Section

14-Si-28
-55.79 To 1816. %



20

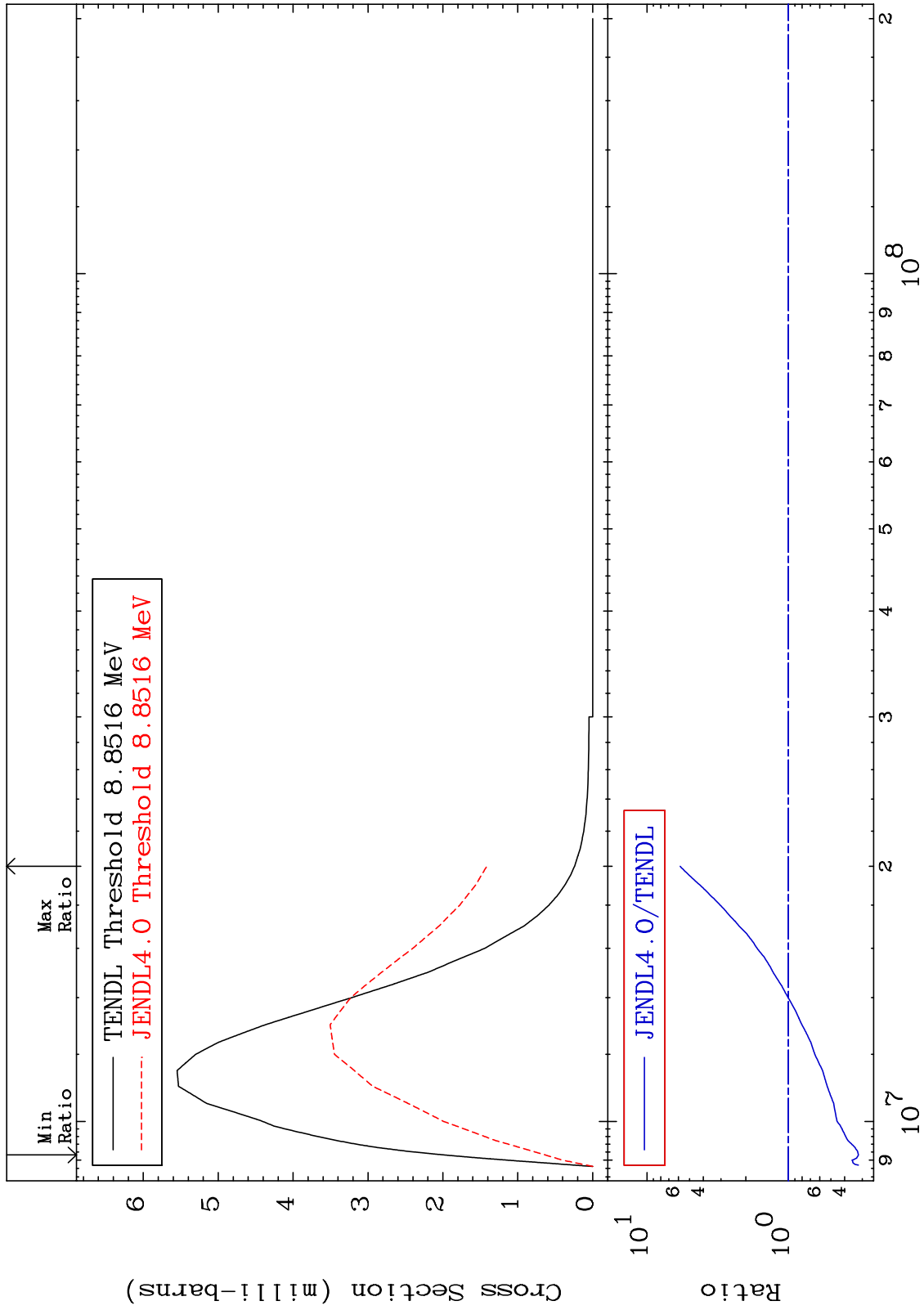
Incident Energy (eV)

14-Si-28

MAT 1425

MT= 65 (n,n') Level
Cross Section

14-Si-28
-68.01 To 483.9 %



21

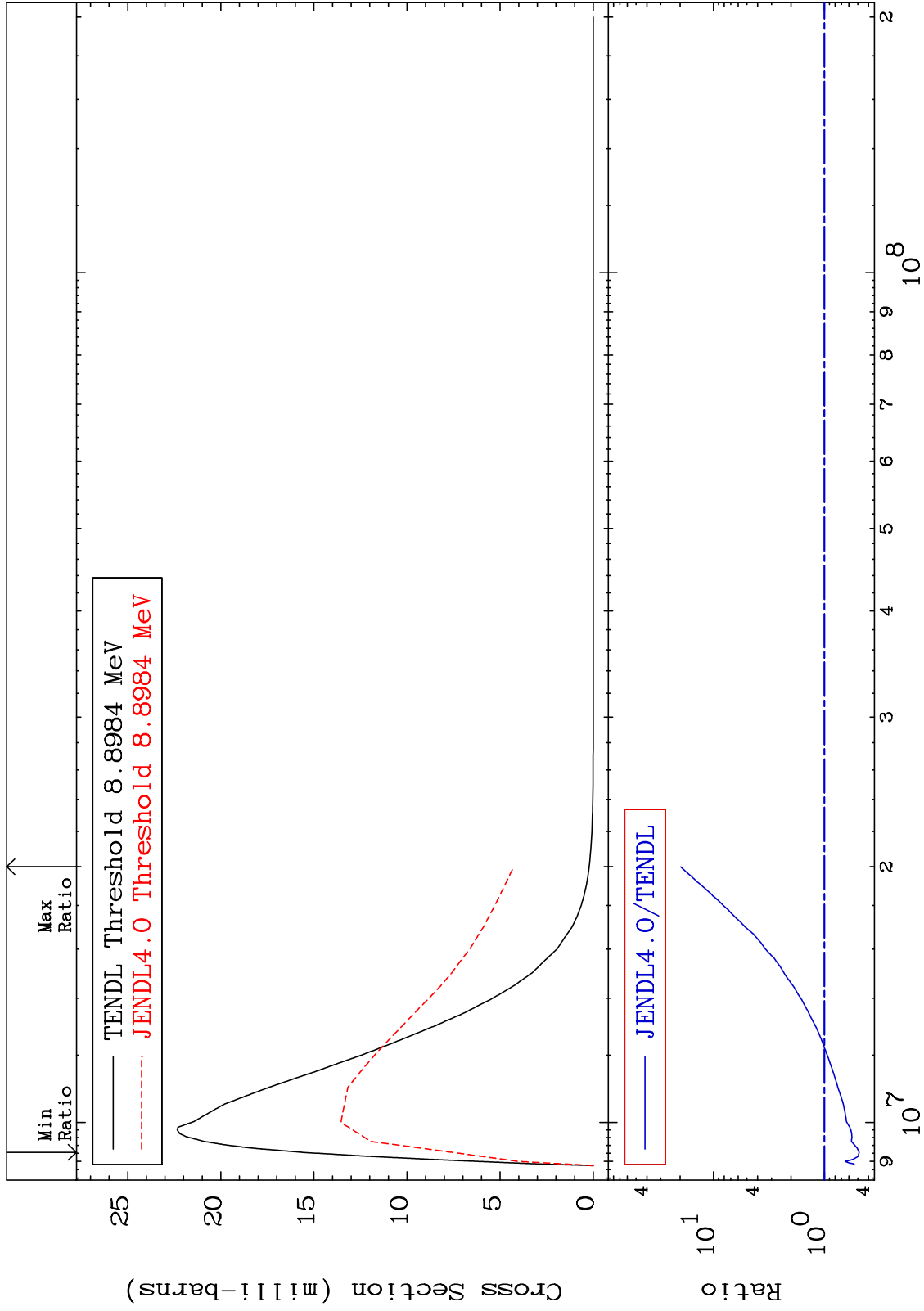
Incident Energy (eV)

14-Si-28

MAT 1425

MT= 66 (n,n') Level
Cross Section

14-Si-28
-51.48 To 1882. %



22

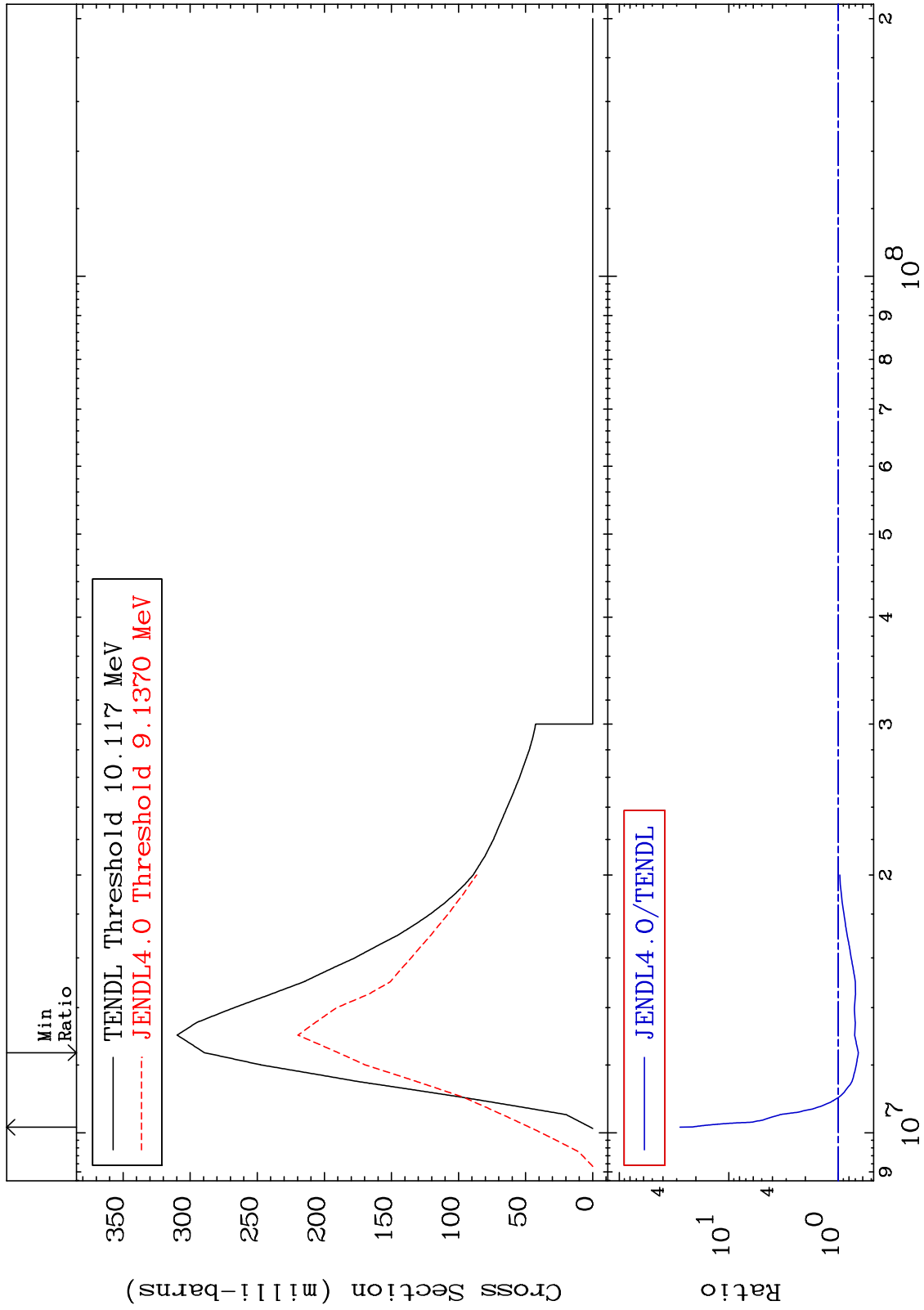
Incident Energy (eV)

14-Si-28

MAT 1425

(n,n') Continuum
Cross Section

14-Si-28
-34.45 To 2691. %



14-Si-28

Incident Energy (eV)

23

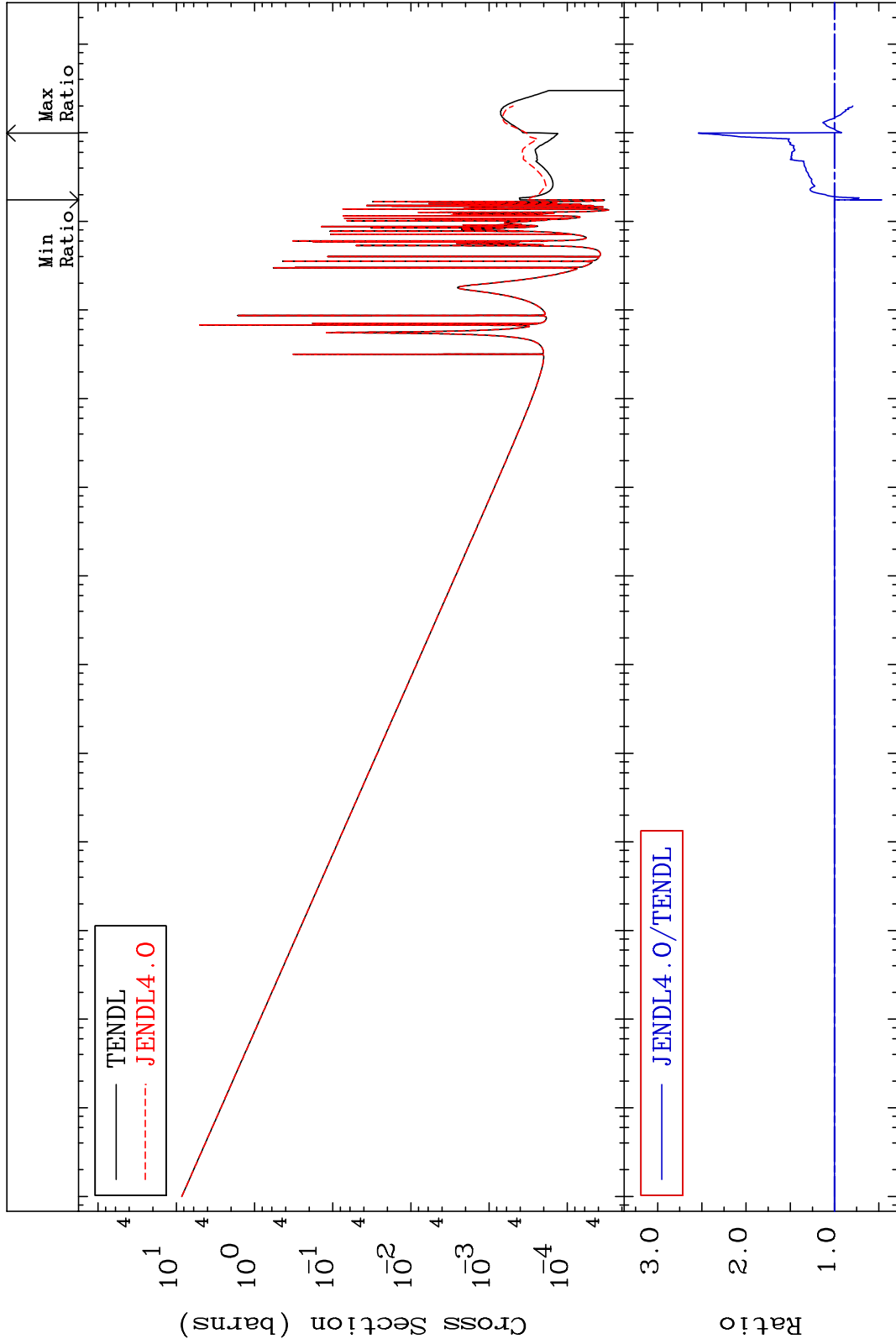
MAT 1425

(n, γ)

14-Si-28

Cross Section

-53.15 To 154.0 %



Incident Energy (eV)

14-Si-28

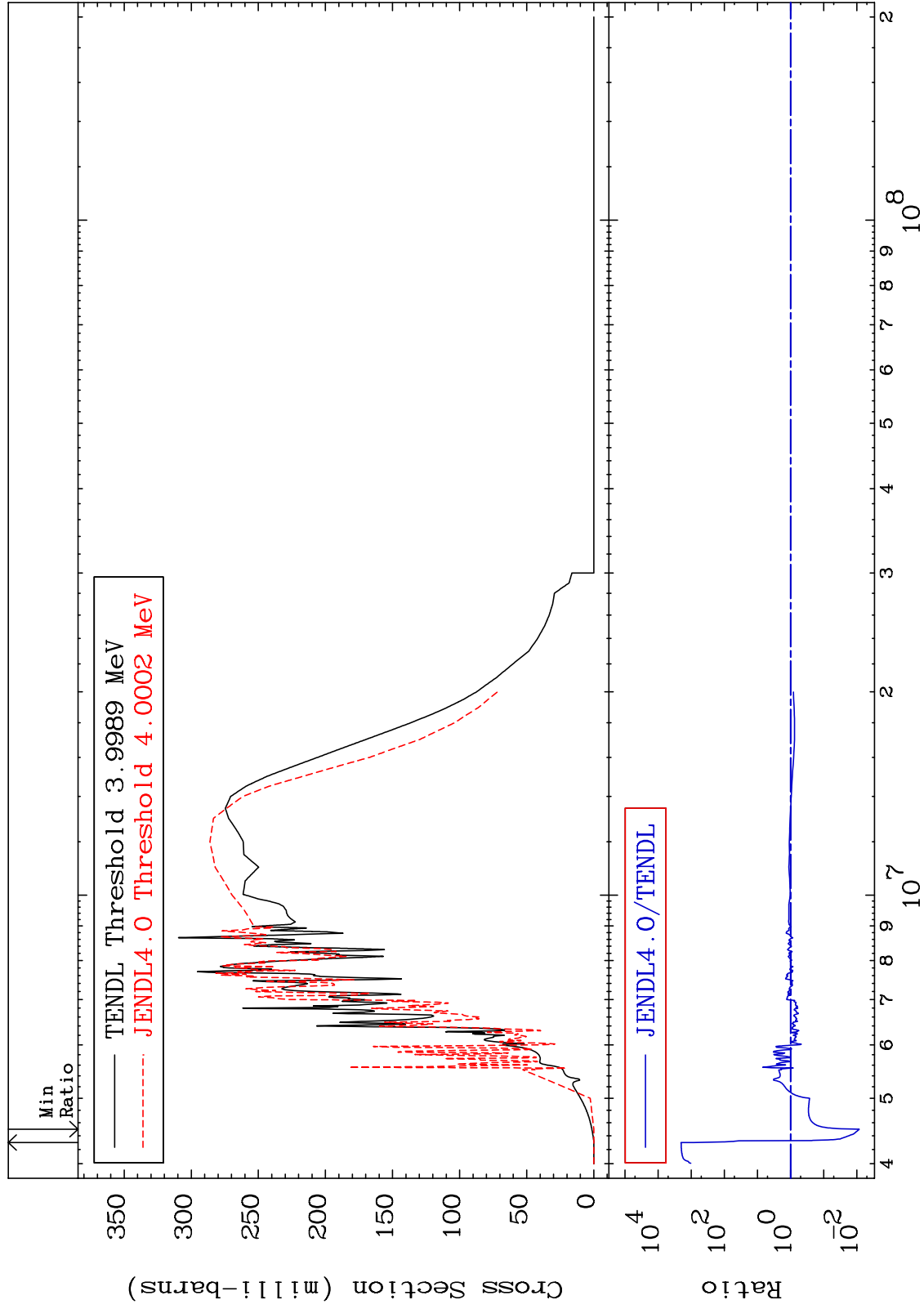
MAT 1425

(n,p)

14-Si-28

Cross Section

-99.15 To 9999. %

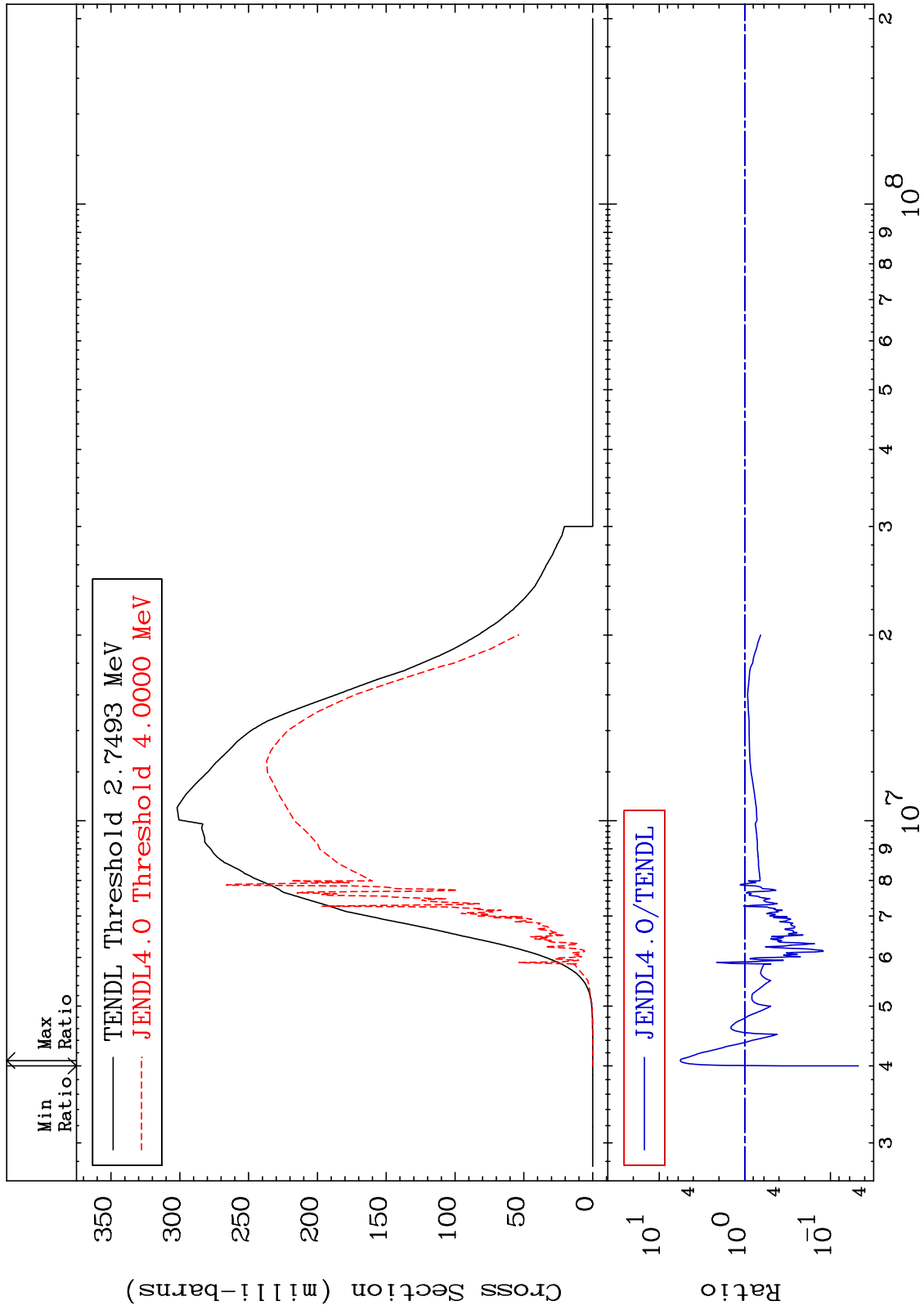


25

14-Si-28

14-Si-28

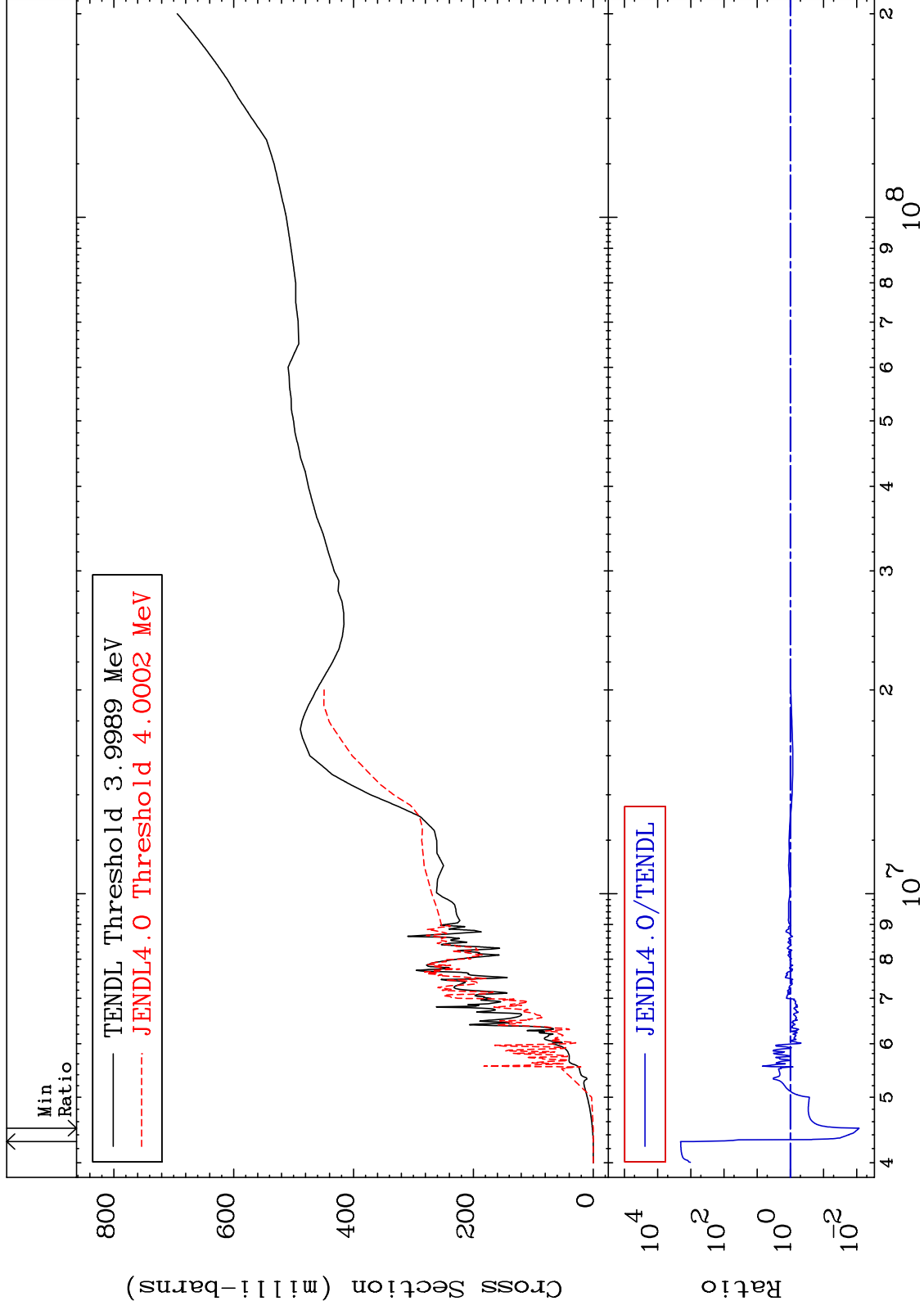
MAT 1425 (n,α) Cross Section 14-Si-28
 -95.27 To 470.6 %



MAT 1425

Hydrogen Production
Cross Section

14-Si-28
-99.15 To 9999. %



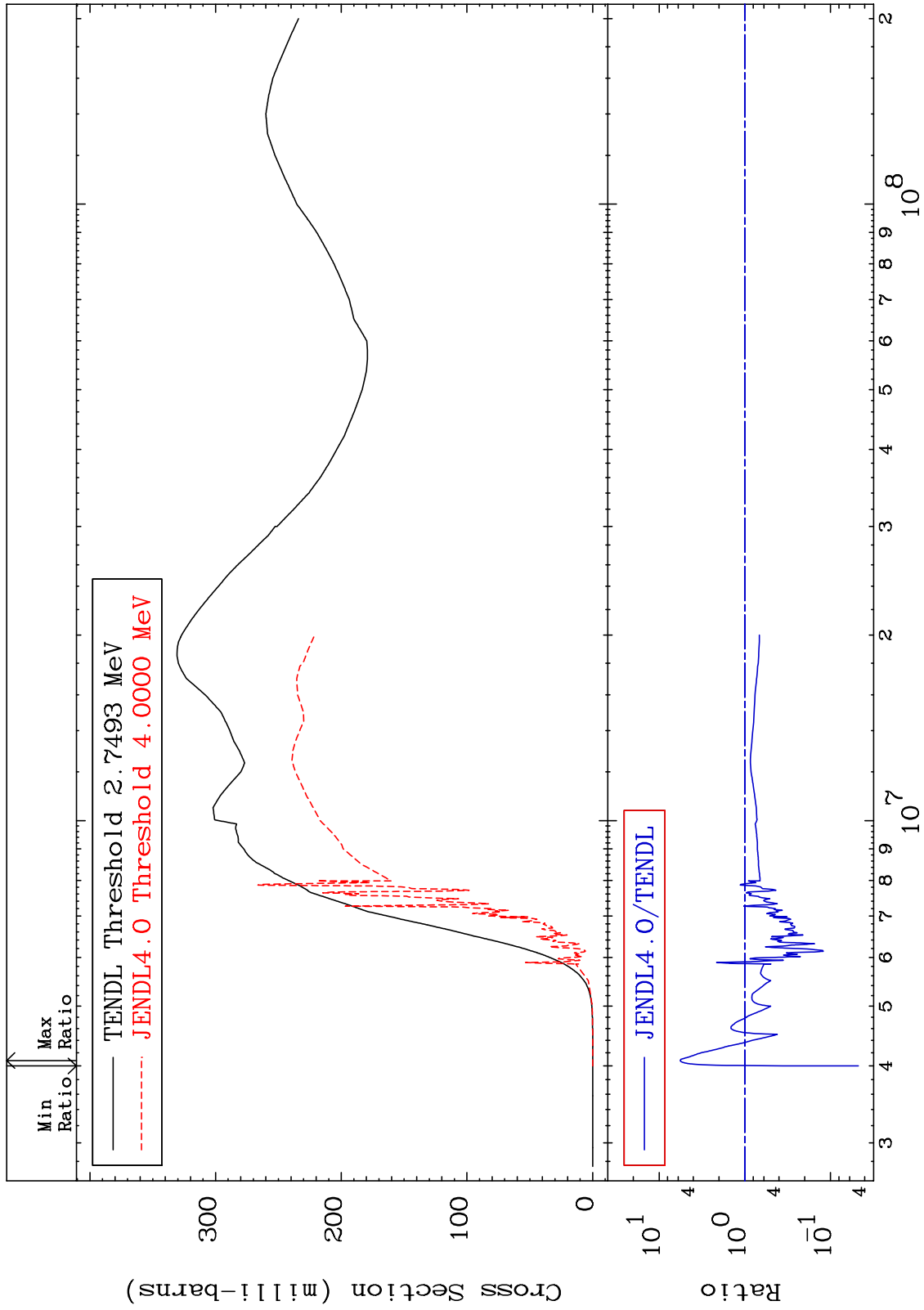
27

14-Si-28

MAT 1425

He-4 Production
Cross Section

14-Si-28
-95.27 To 470.6 %



28

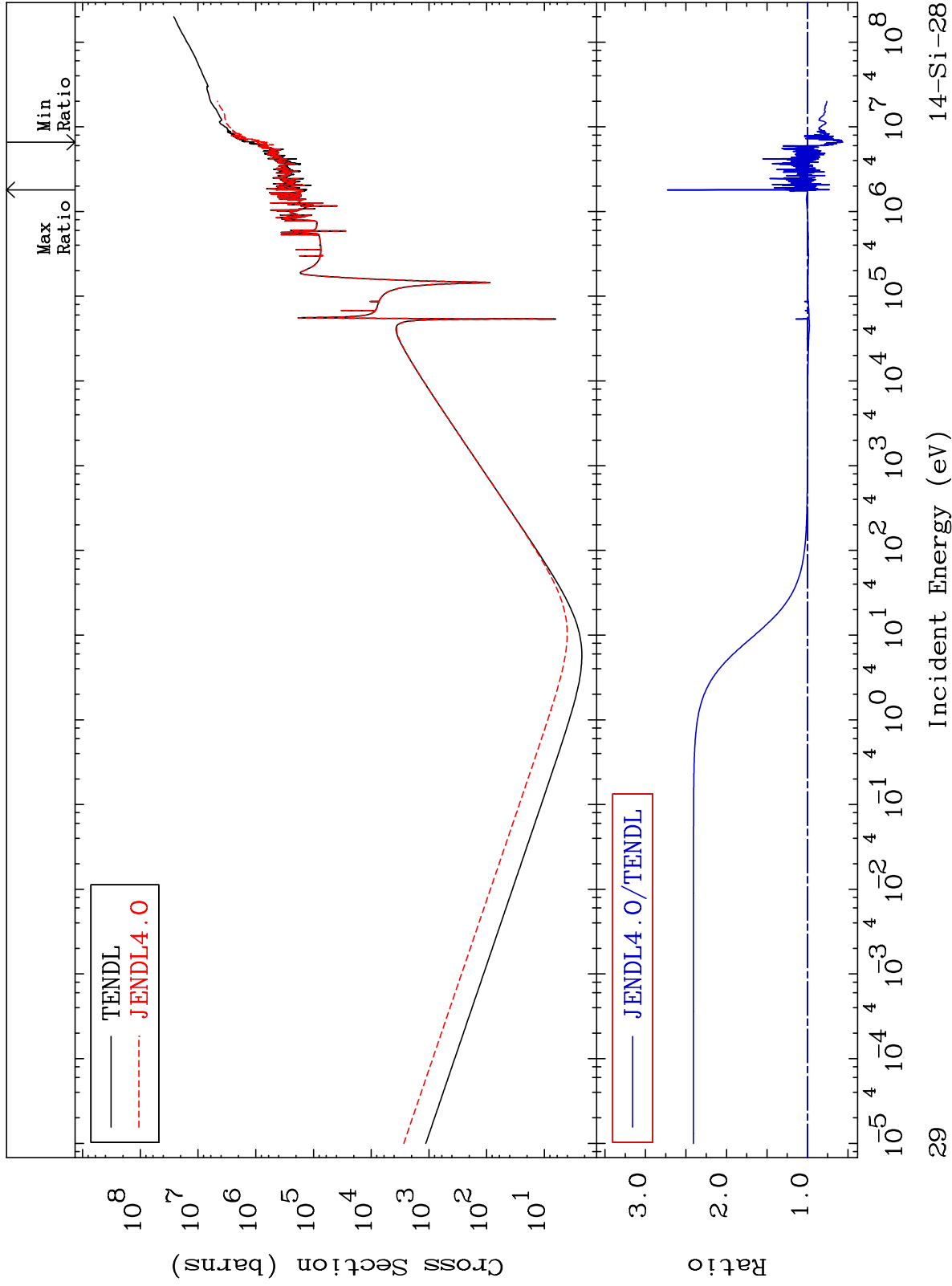
Incident Energy (eV)

14-Si-28

MAT 1425

Kerma total (eV-barns)
Cross Section

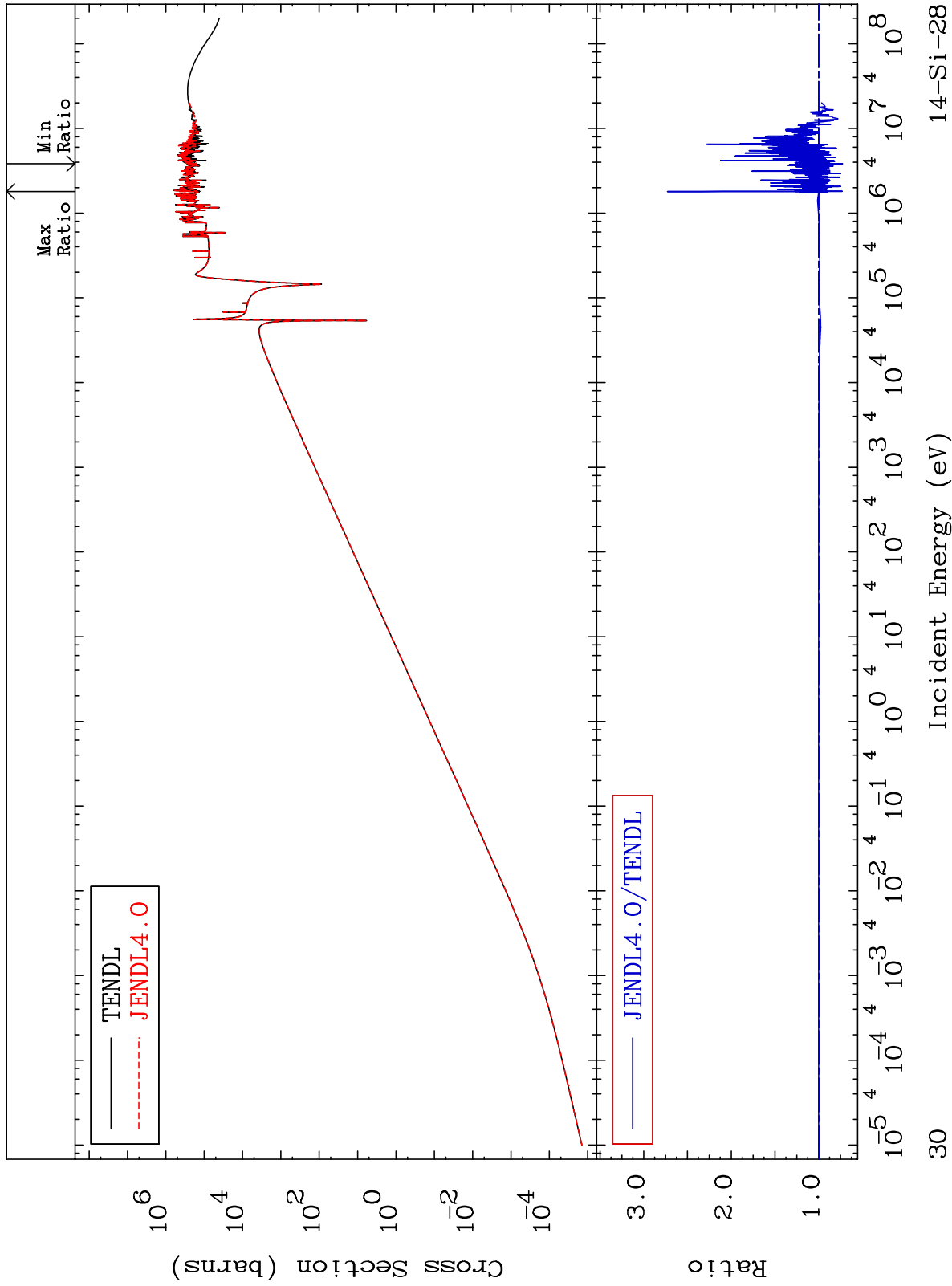
14-Si-28
-43.44 To 172.8 %



MAT 1425

Kerma elastic
Cross Section

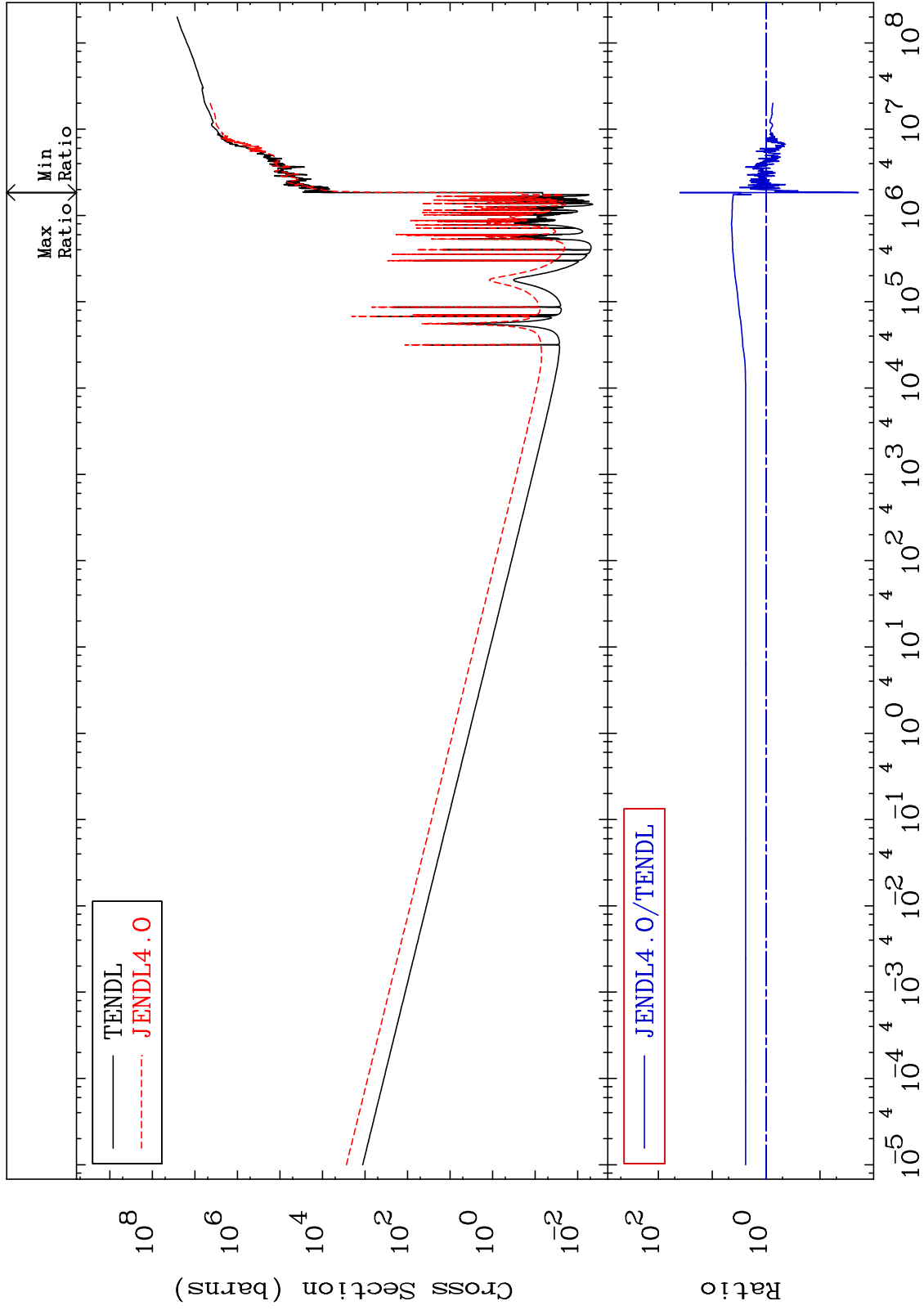
14-Si-28
-27.46 To 172.8 %



MAT 1425

Kerma non-elastic (all but mt2)
Cross Section

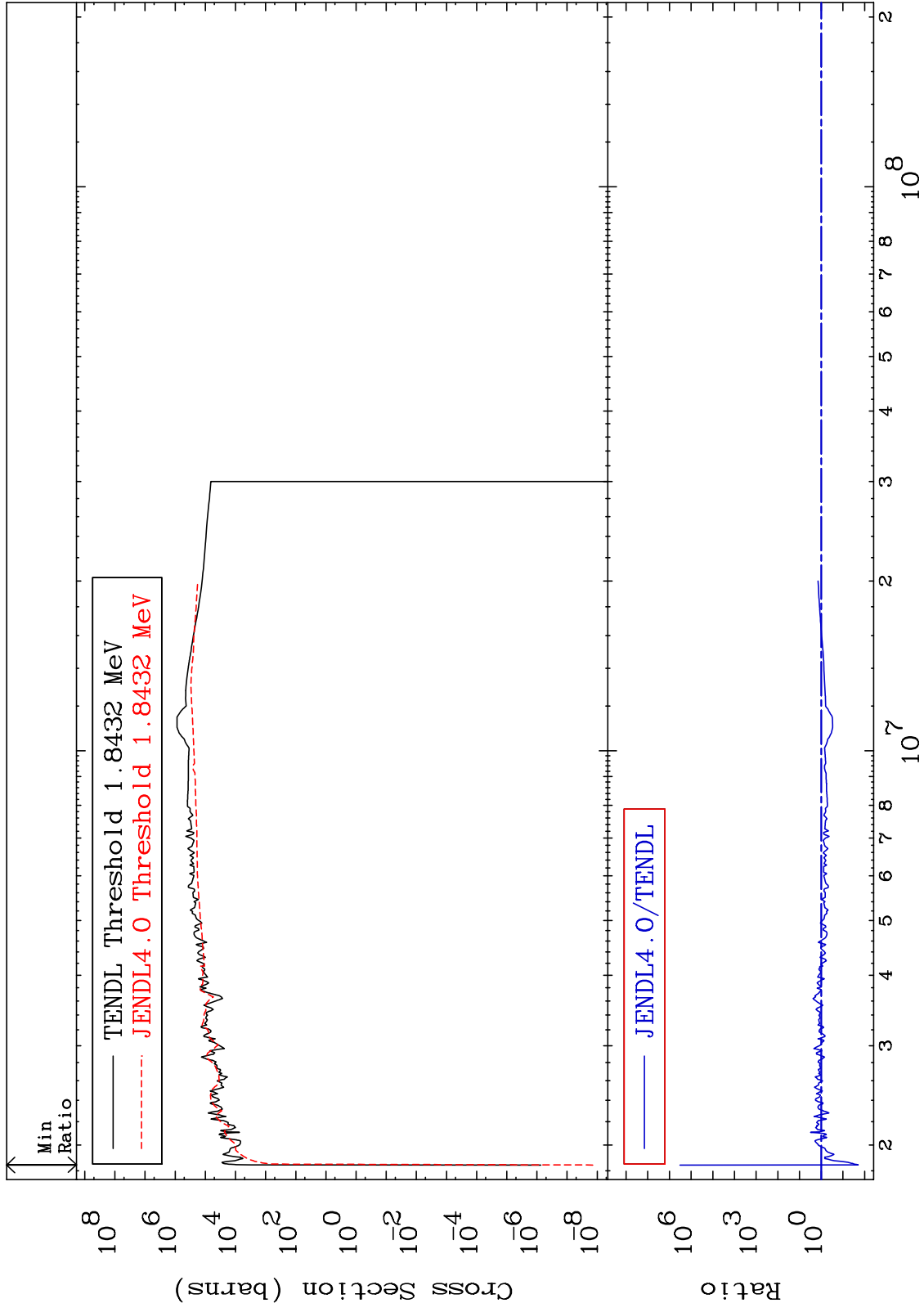
14-Si-28
-98.06 To 3871. %



MAT 1425

Kerma inelastic (mt51-91)
Cross Section

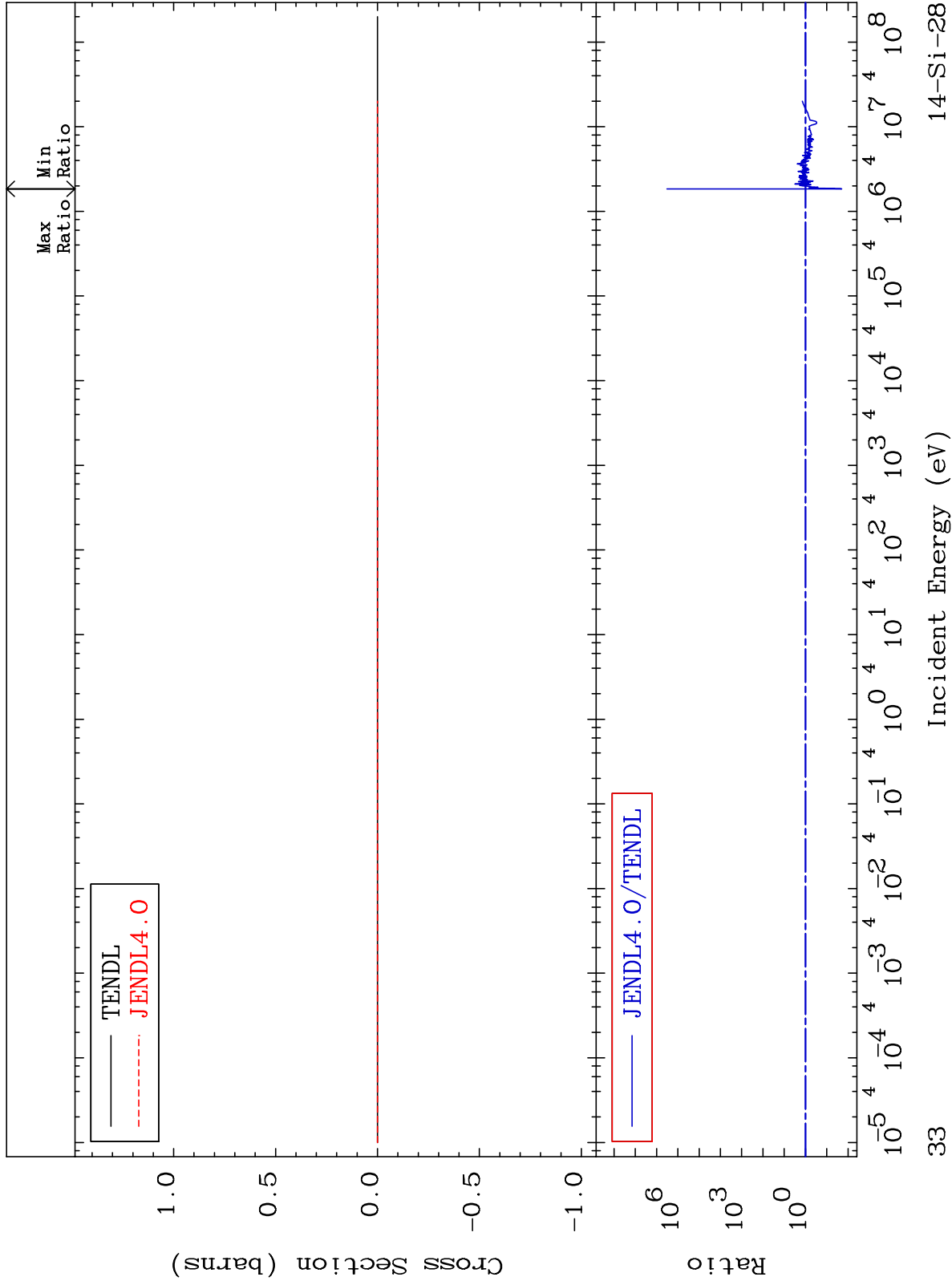
14-Si-28
-98.06 To 9999. %



MAT 1425

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

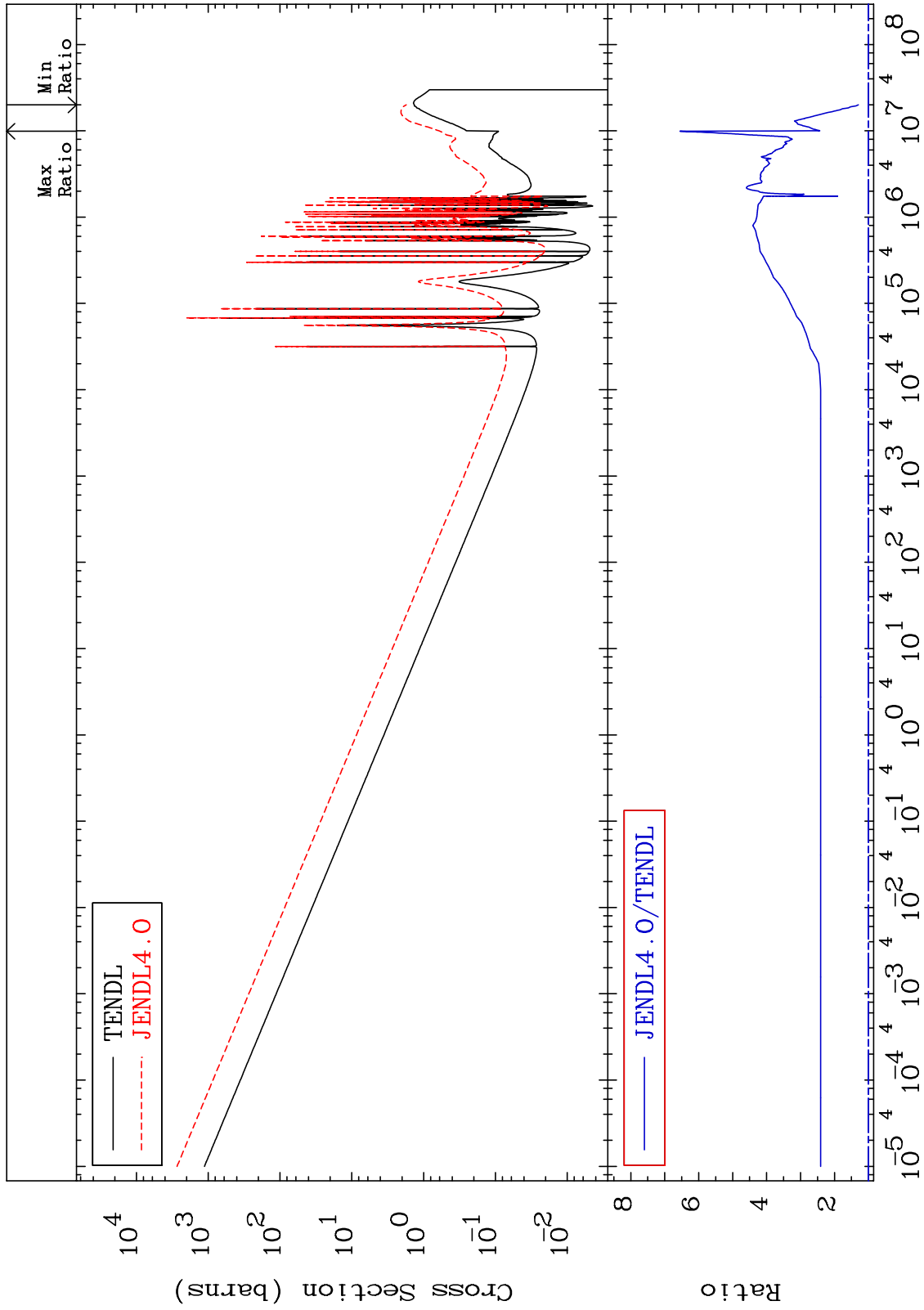
14-Si-28
-98.06 To 9999. %



MAT 1425

Kerma capture (mt102)
Cross Section

14-Si-28
29.62 To 555.0 %



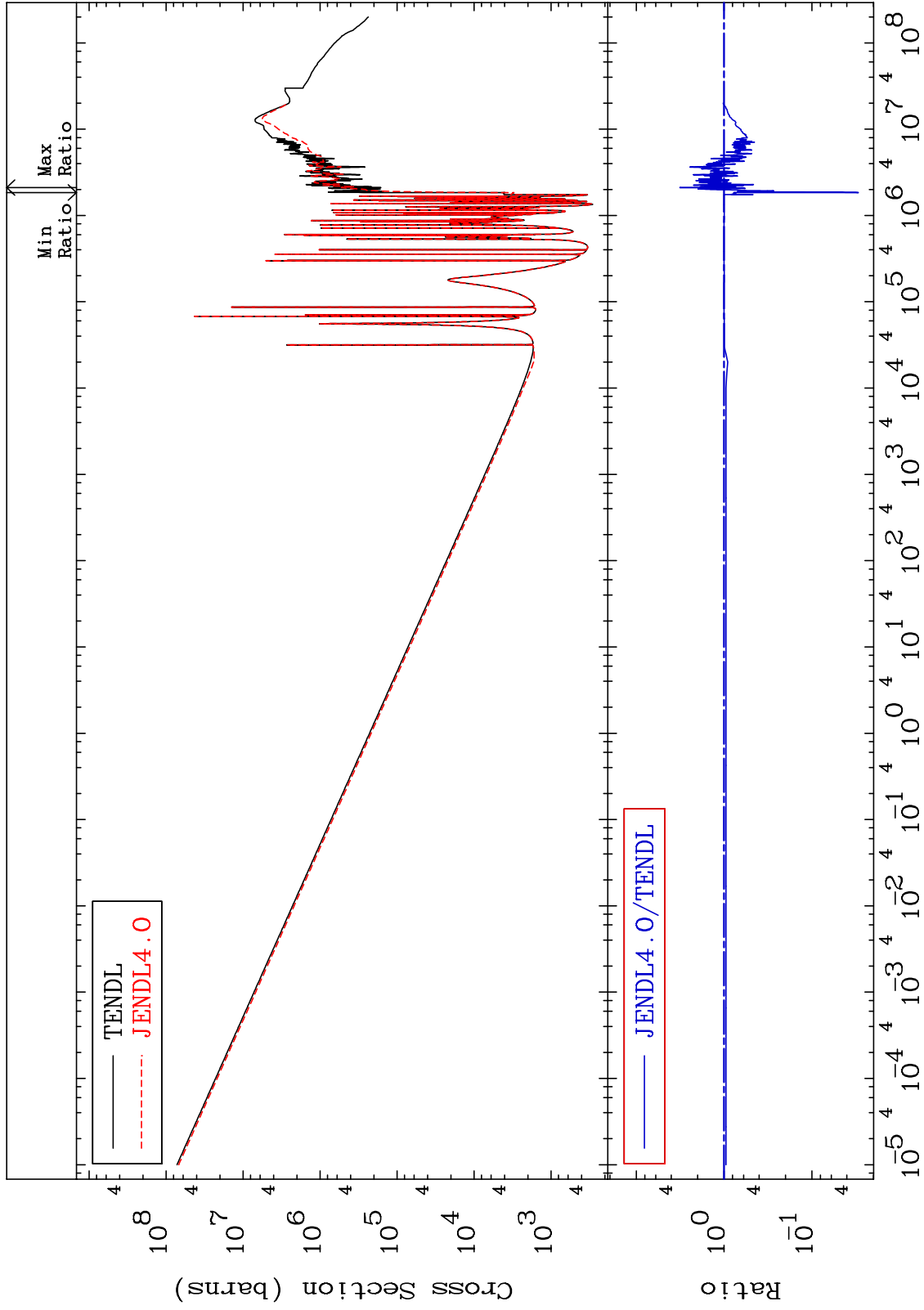
34

14-Si-28

MAT 1425

Total photon (eV-barns)
Cross Section

14-Si-28
-97.04 To 217.6 %



35

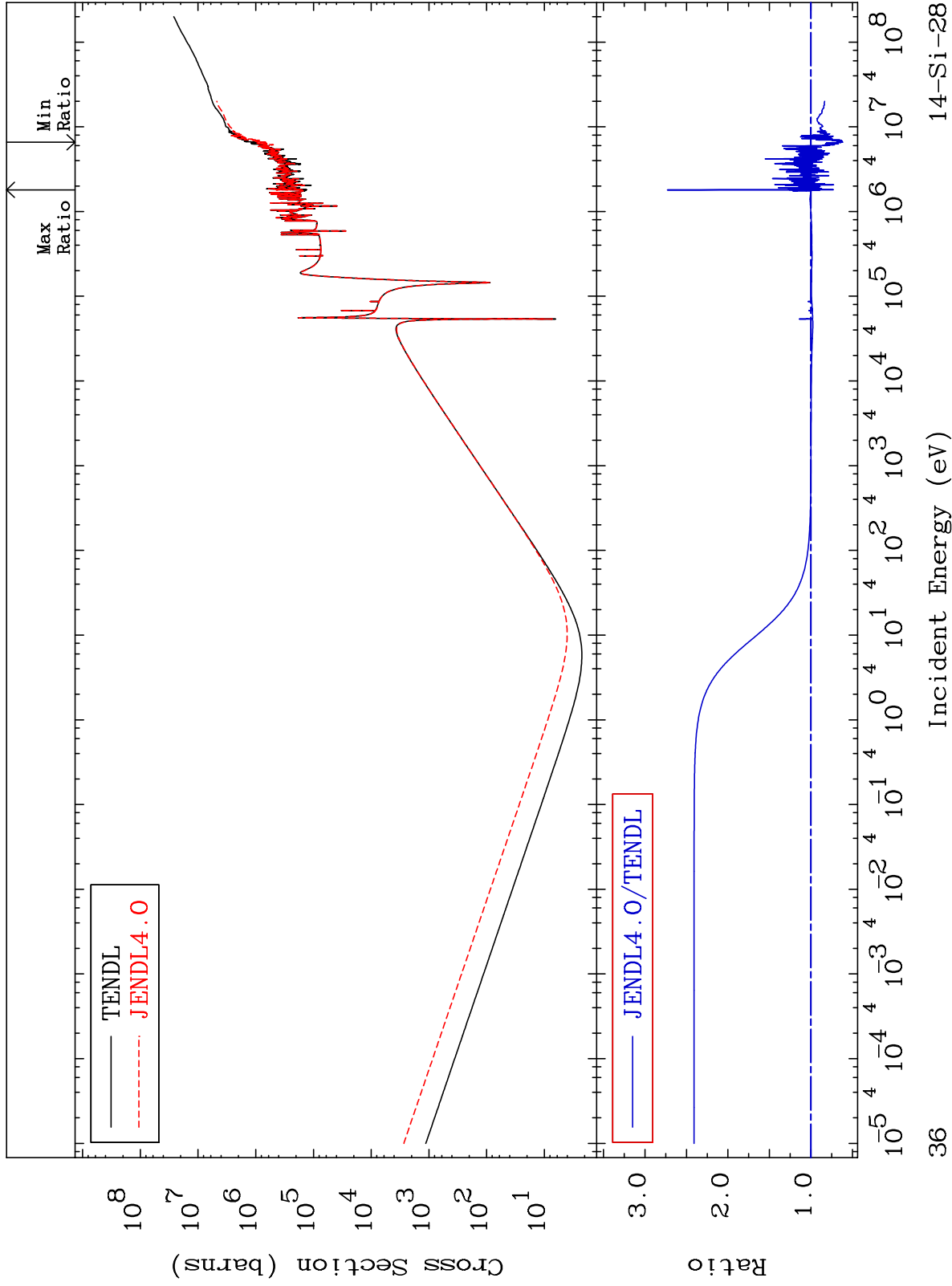
Incident Energy (eV)

14-Si-28

MAT 1425

Total kinematic kerma (high limit)
Cross Section

14-Si-28
-38.14 To 172.8 %



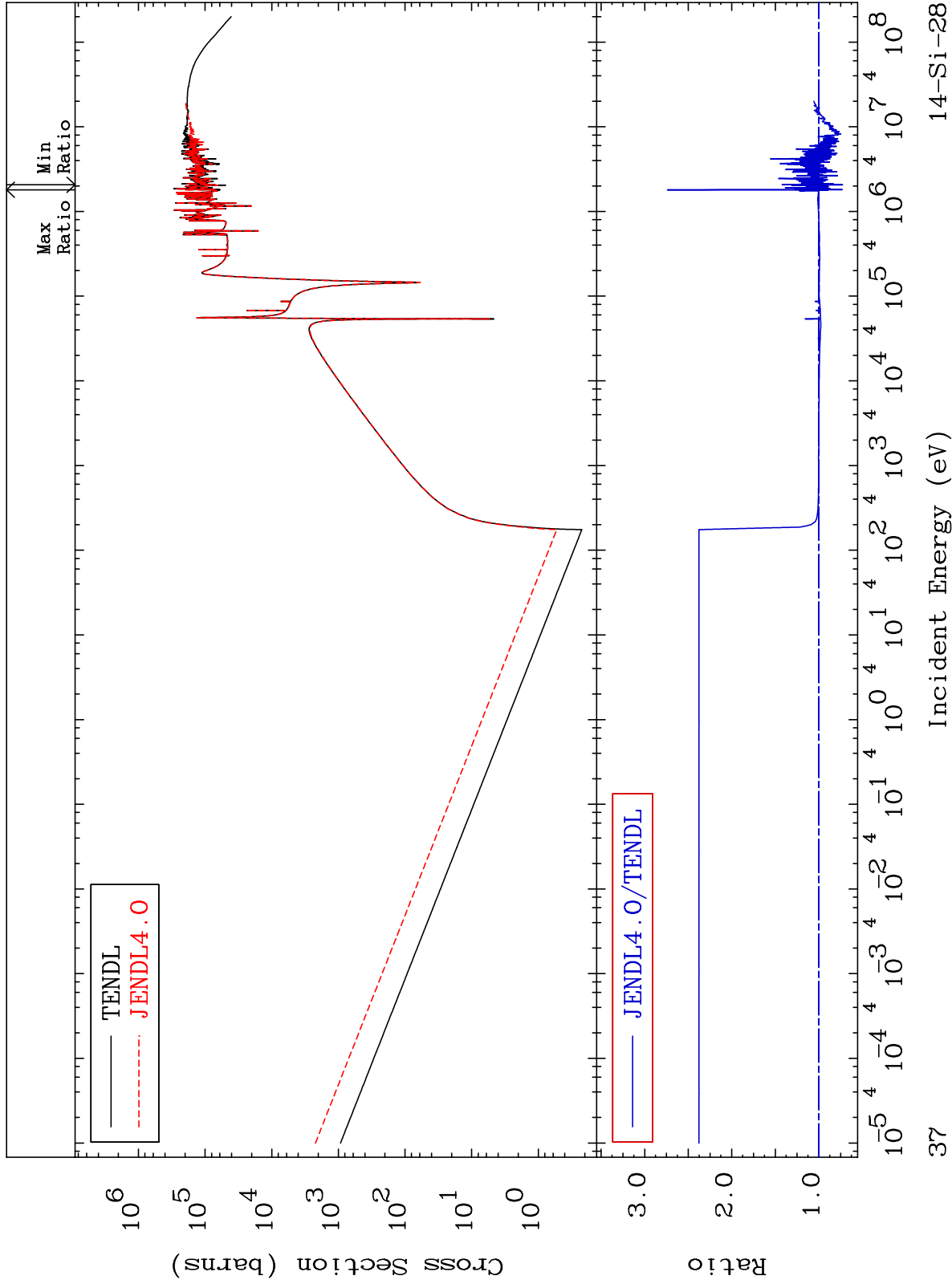
36

14-Si-28

MAT 1425

Dpa total (eV-barns)
Cross Section

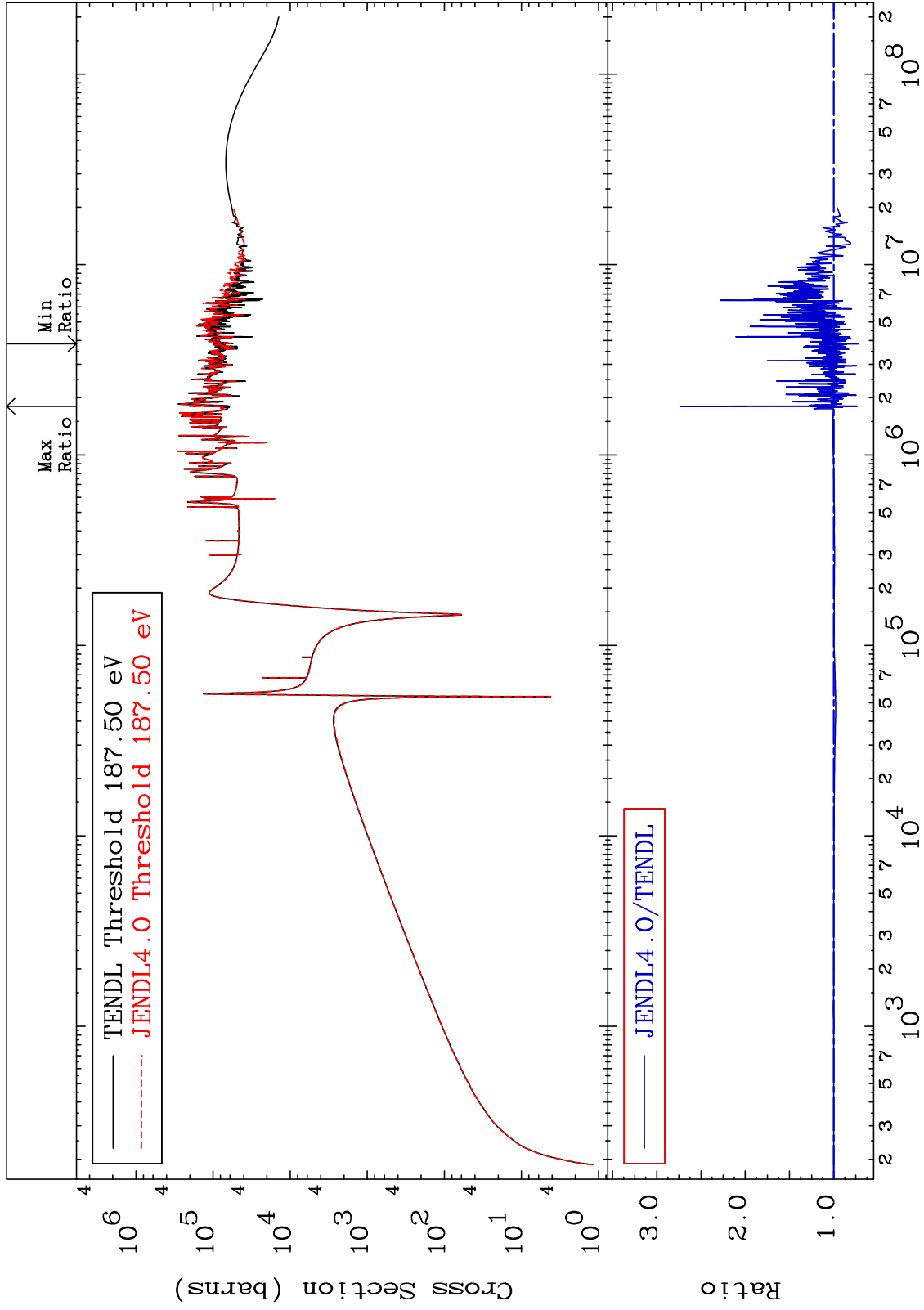
14-Si-28
-27.36 To 173.8 %



MAT 1425

Dpa elastic (mt2)
Cross Section

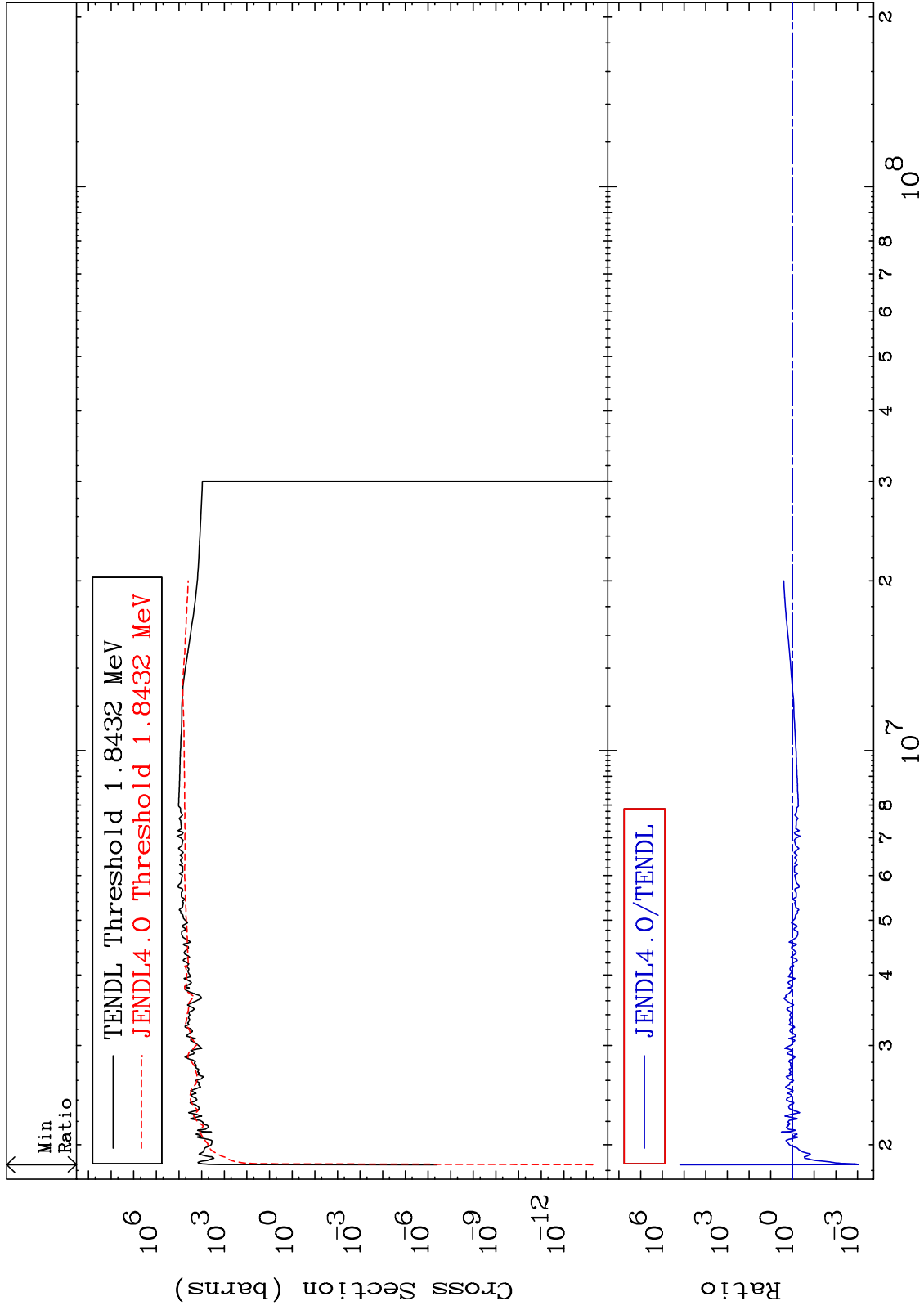
14-Si-28
-27.93 To 173.8 %



MAT 1425

Dpa inelastic (mt51-91)
Cross Section

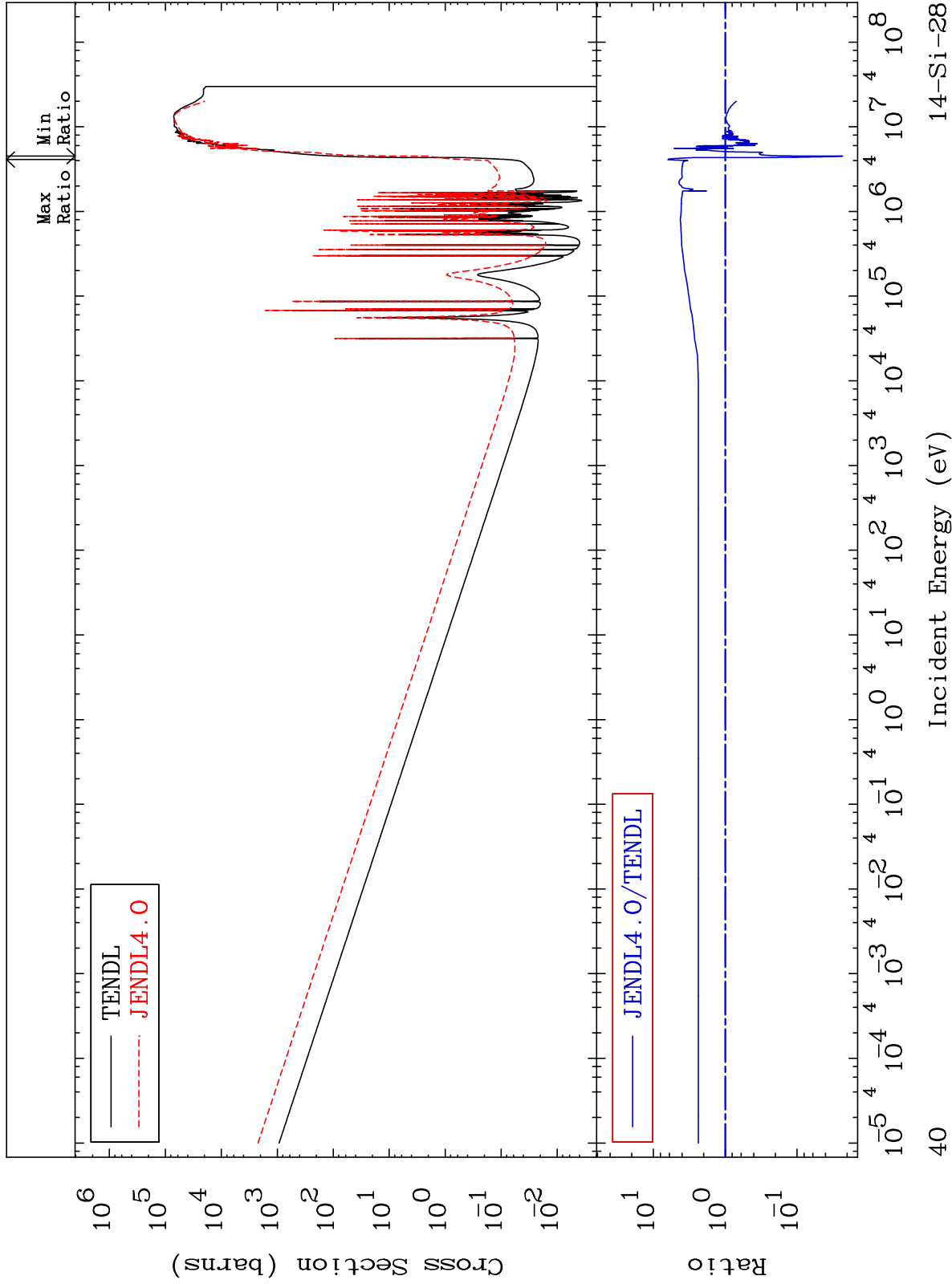
14-Si-28
-99.91 To 9999. %



MAT 1425

Dpa disappearance (mt102 -120)
Cross Section

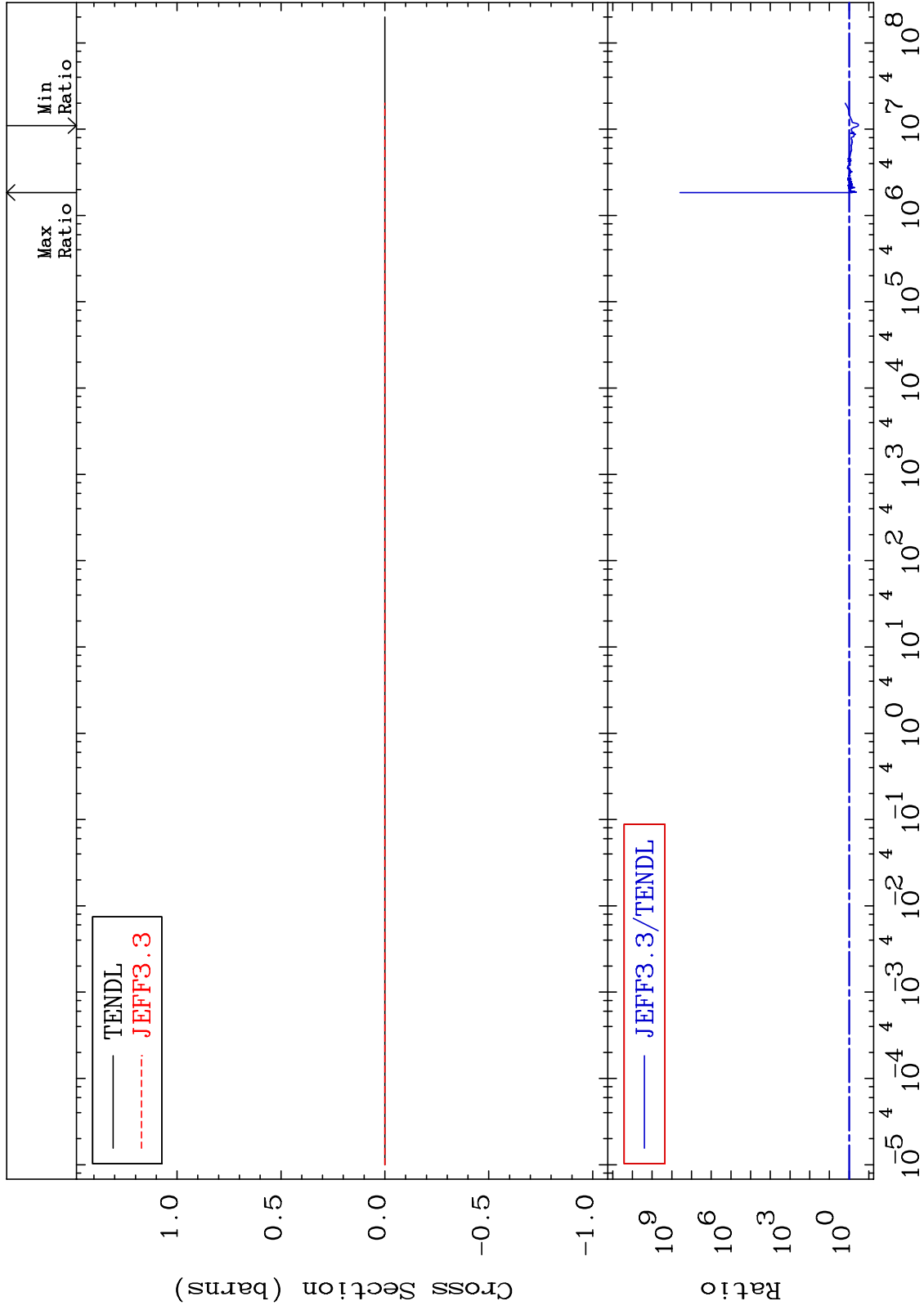
14-Si-28
-97.69 To 535.9 %

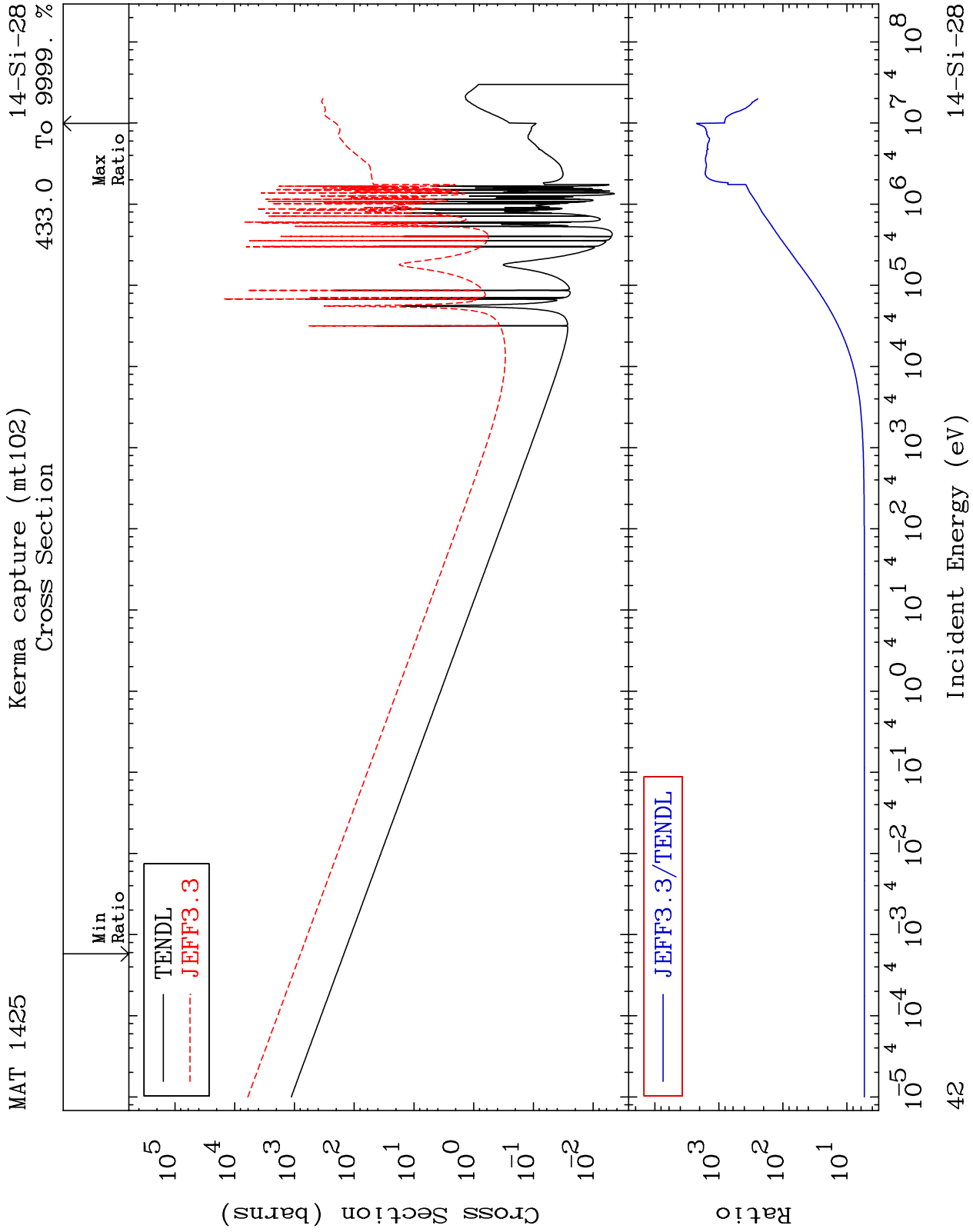


MAT 1425

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

14-Si-28
-66.22 To 9999. %

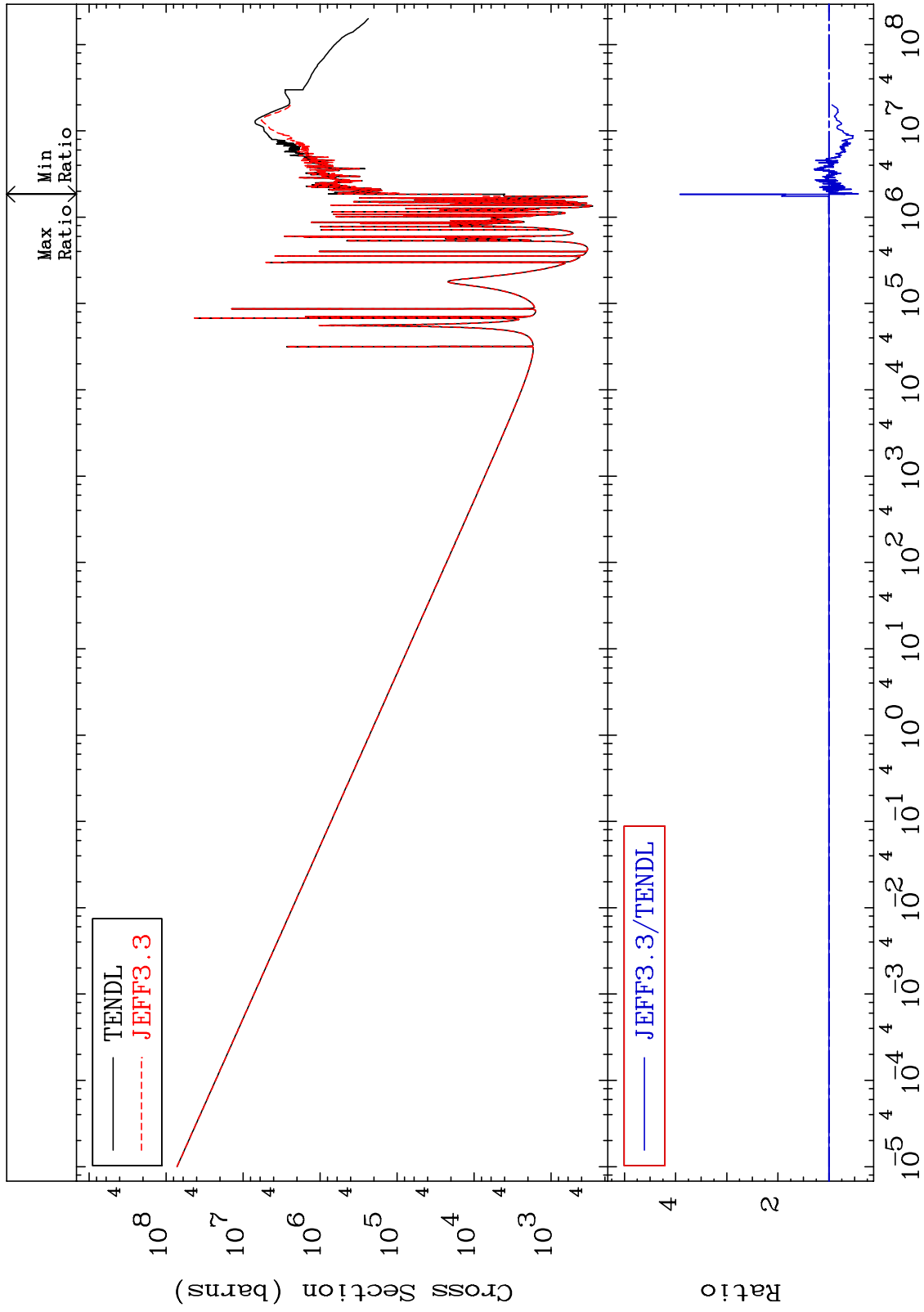




MAT 1425

Total photon (eV-barns)
Cross Section

14-Si-28
-57.49 To 291.4 %

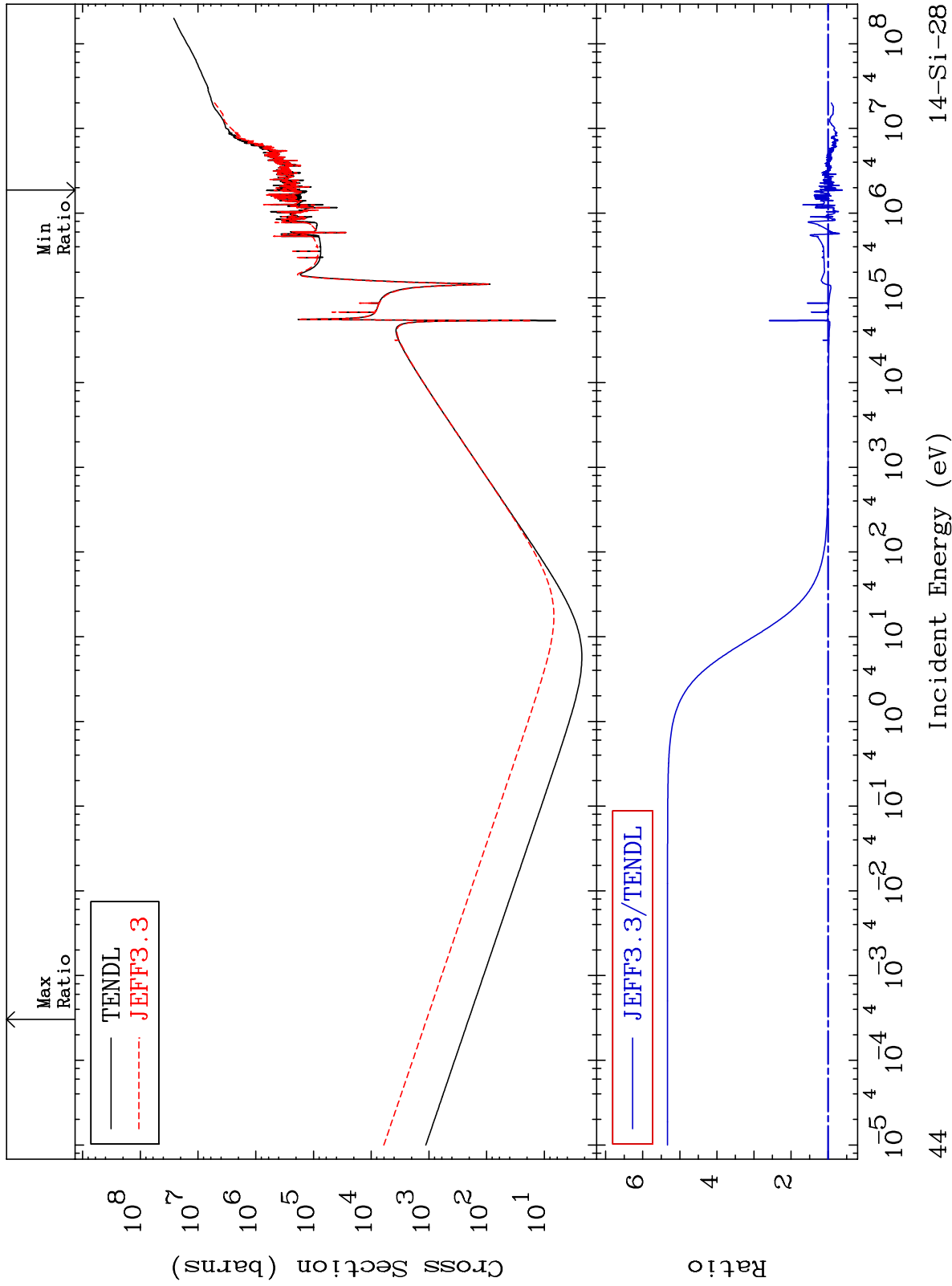


43

Incident Energy (eV)

14-Si-28

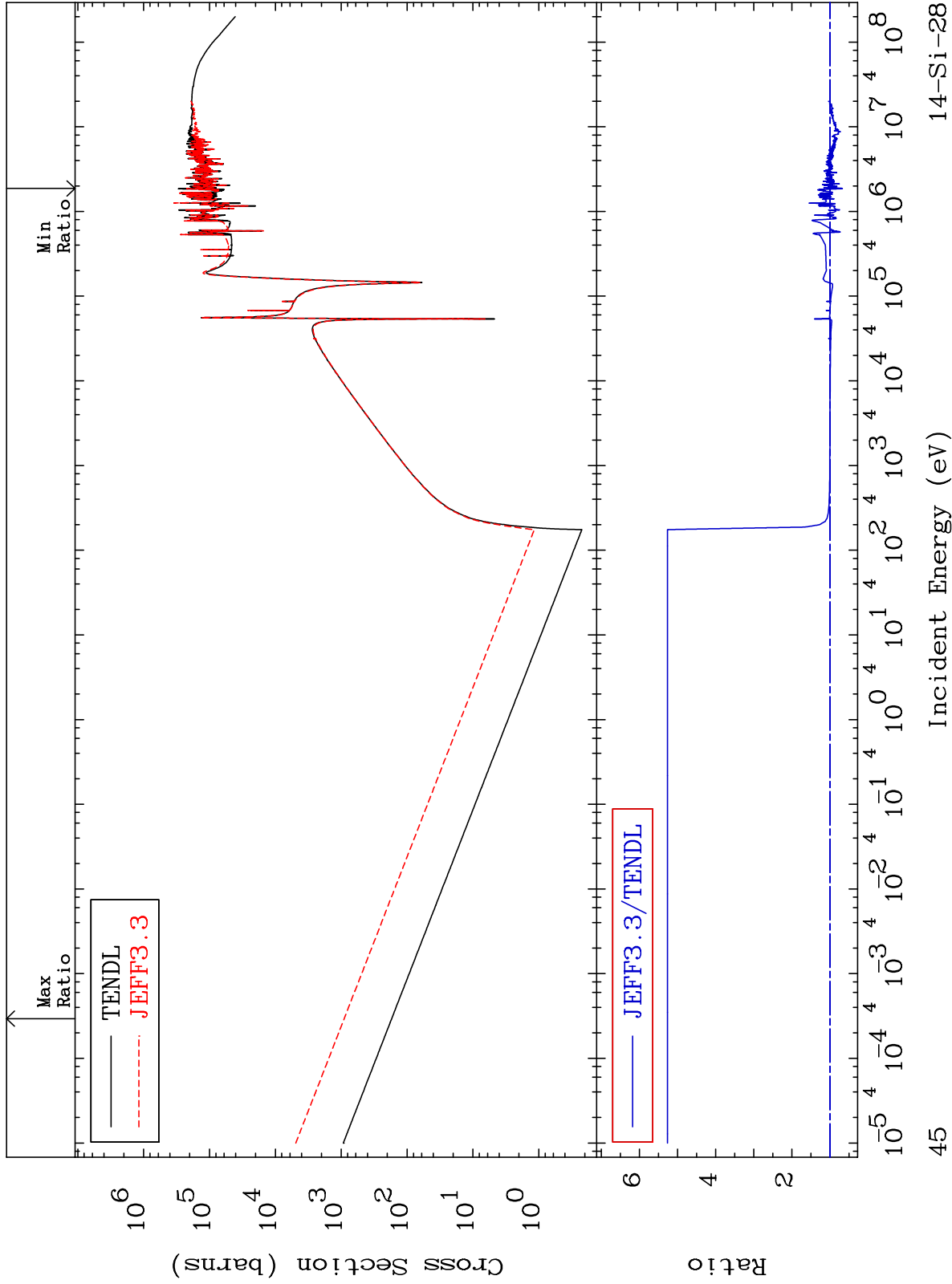
MAT 1425 Total kinematic kerma (high limit) 14-Si-28
Cross Section -39.34 To 433.0 %



MAT 1425

Dpa total (eV-barns)
Cross Section

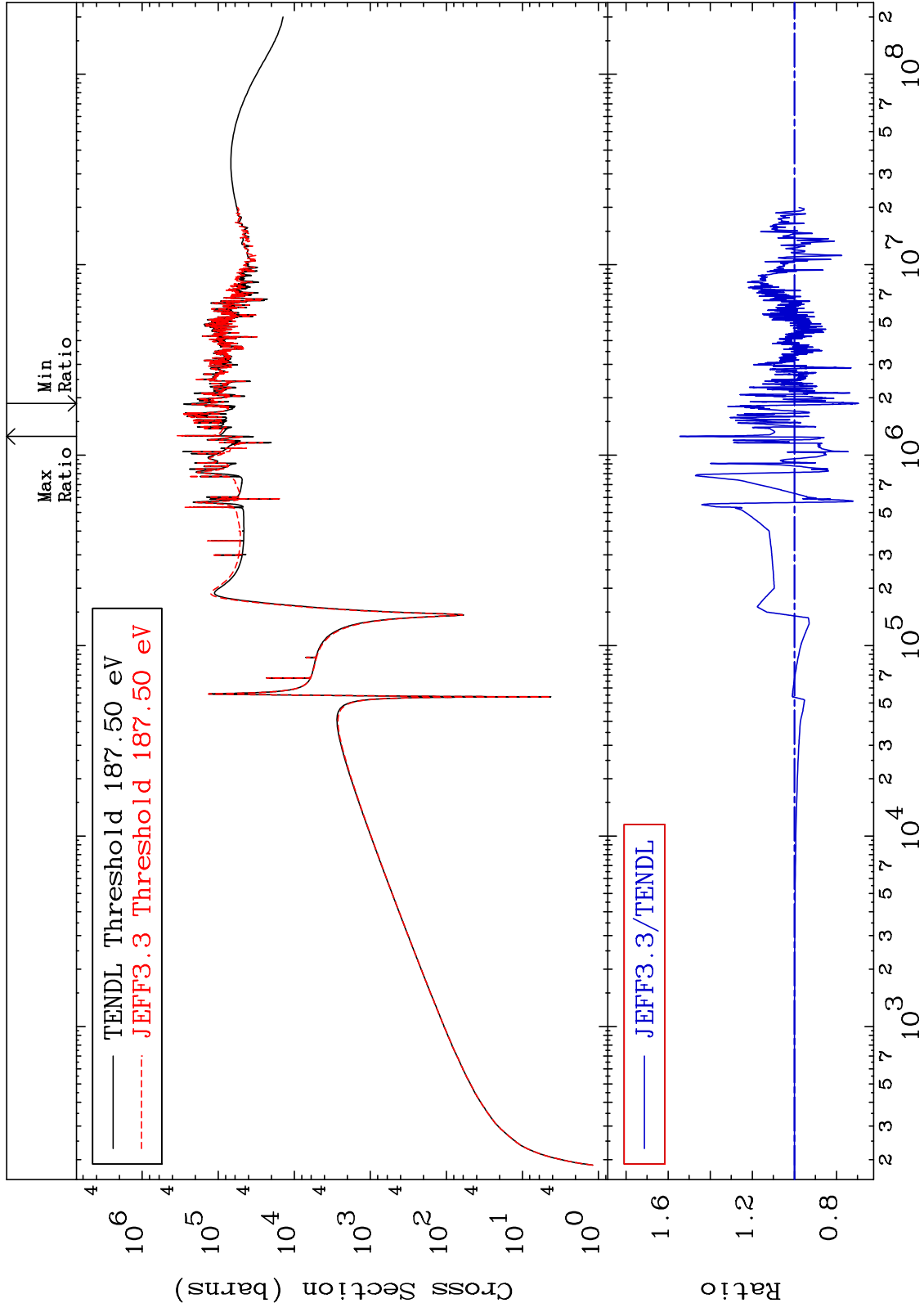
14-Si-28
-33.47 To 426.3 %



MAT 1425

Dpa elastic (mt2)
Cross Section

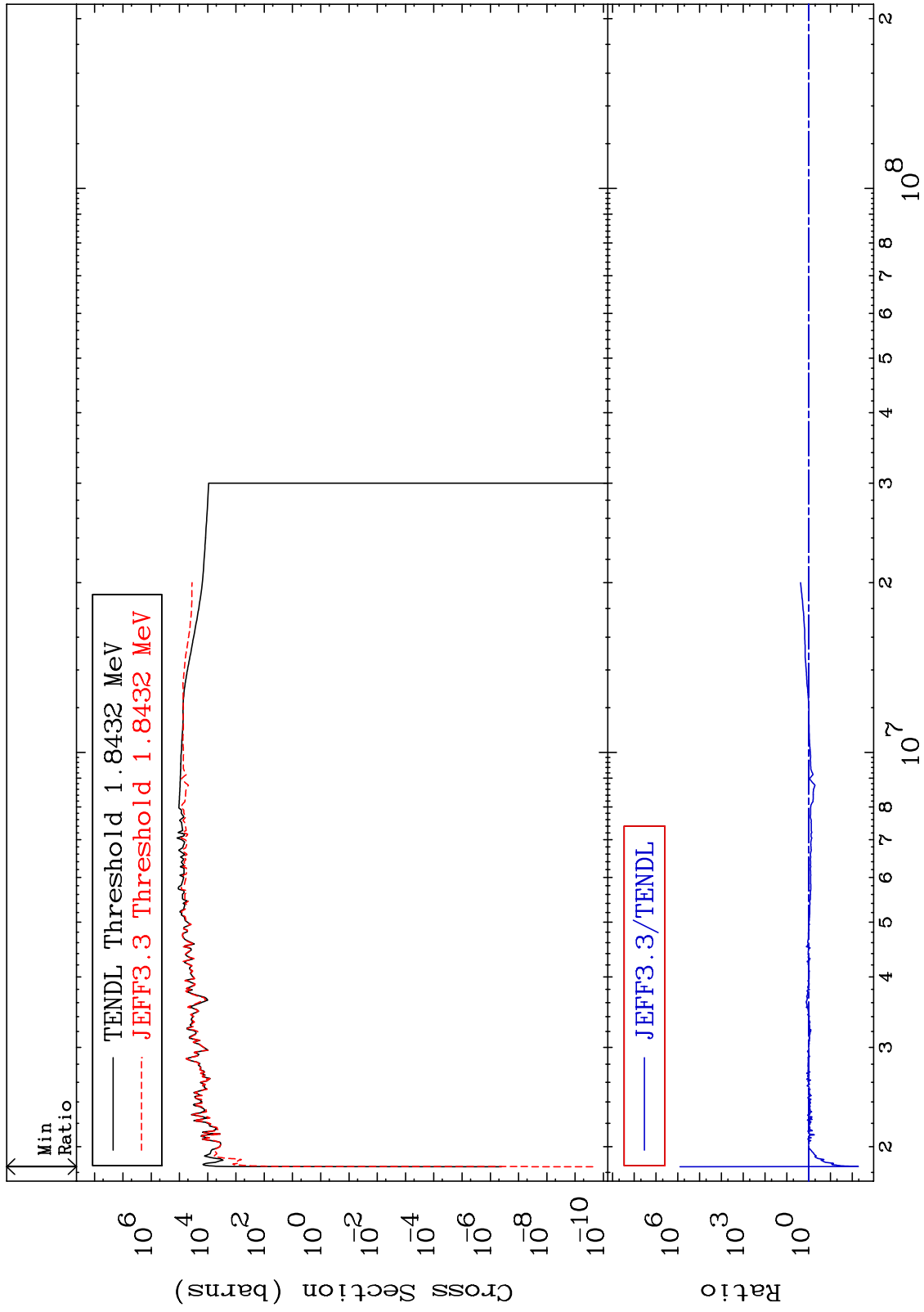
14-Si-28
-30.43 To 54.34 %



MAT 1425

Dpa inelastic (mt51-91)
Cross Section

14-Si-28
-99.48 To 9999. %



47

Incident Energy (eV)

14-Si-28

MAT 1425

Dpa disappearance (mt102 -120)
Cross Section

14-Si-28
-38.93 To 9999. %

