

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

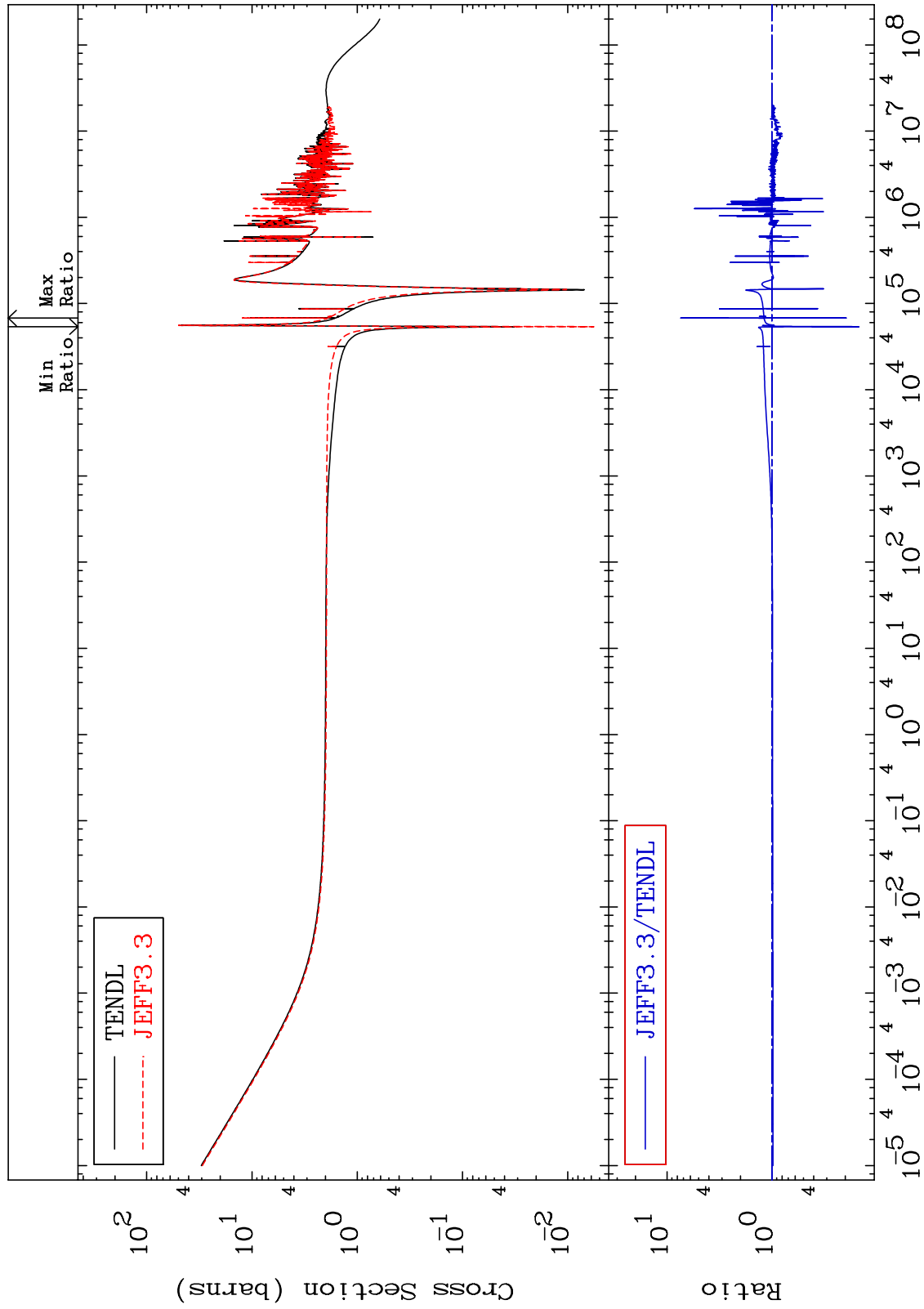
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 1425

Total  
Cross Section

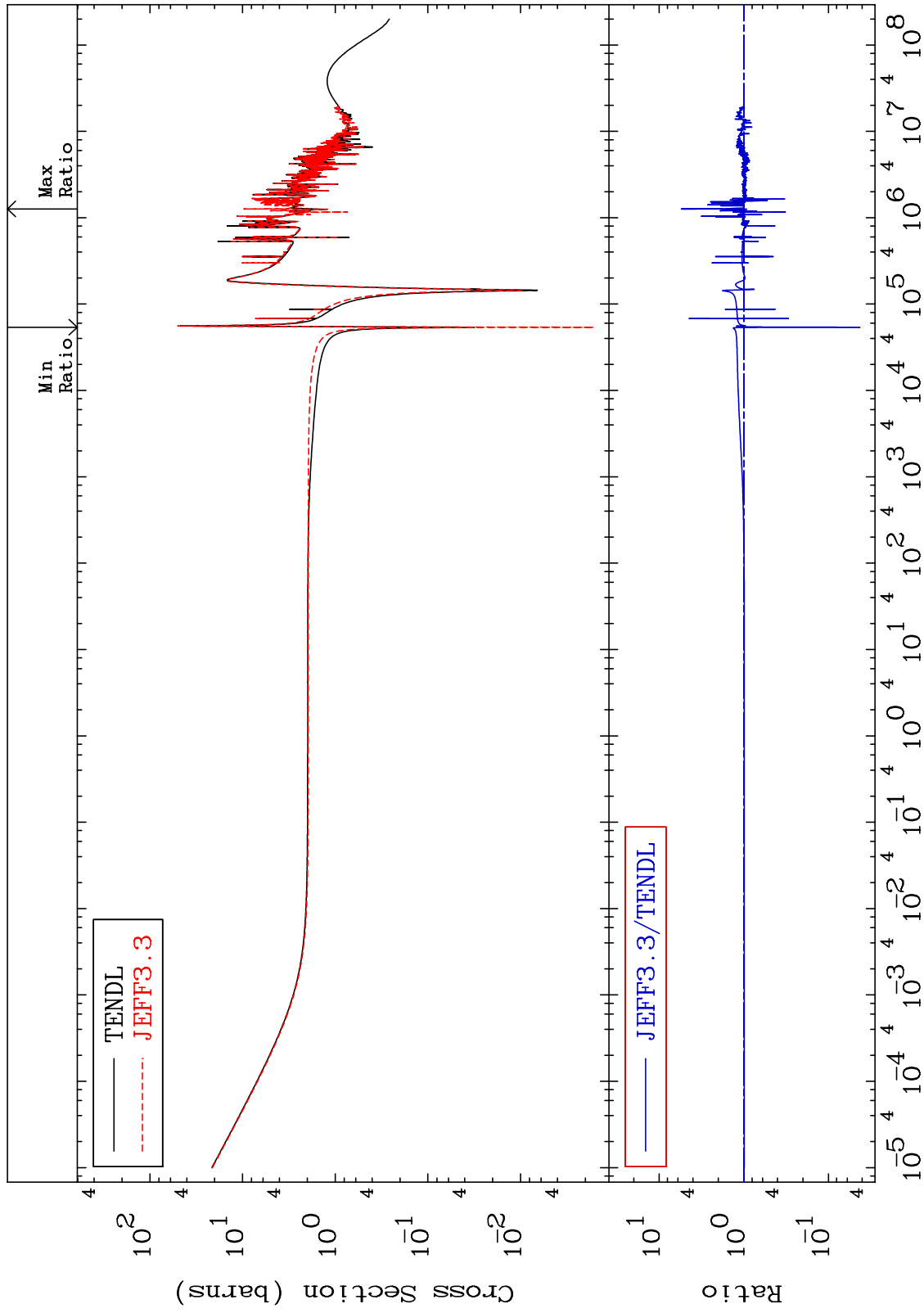
14-Si-28  
-85.24 To 639.6 %



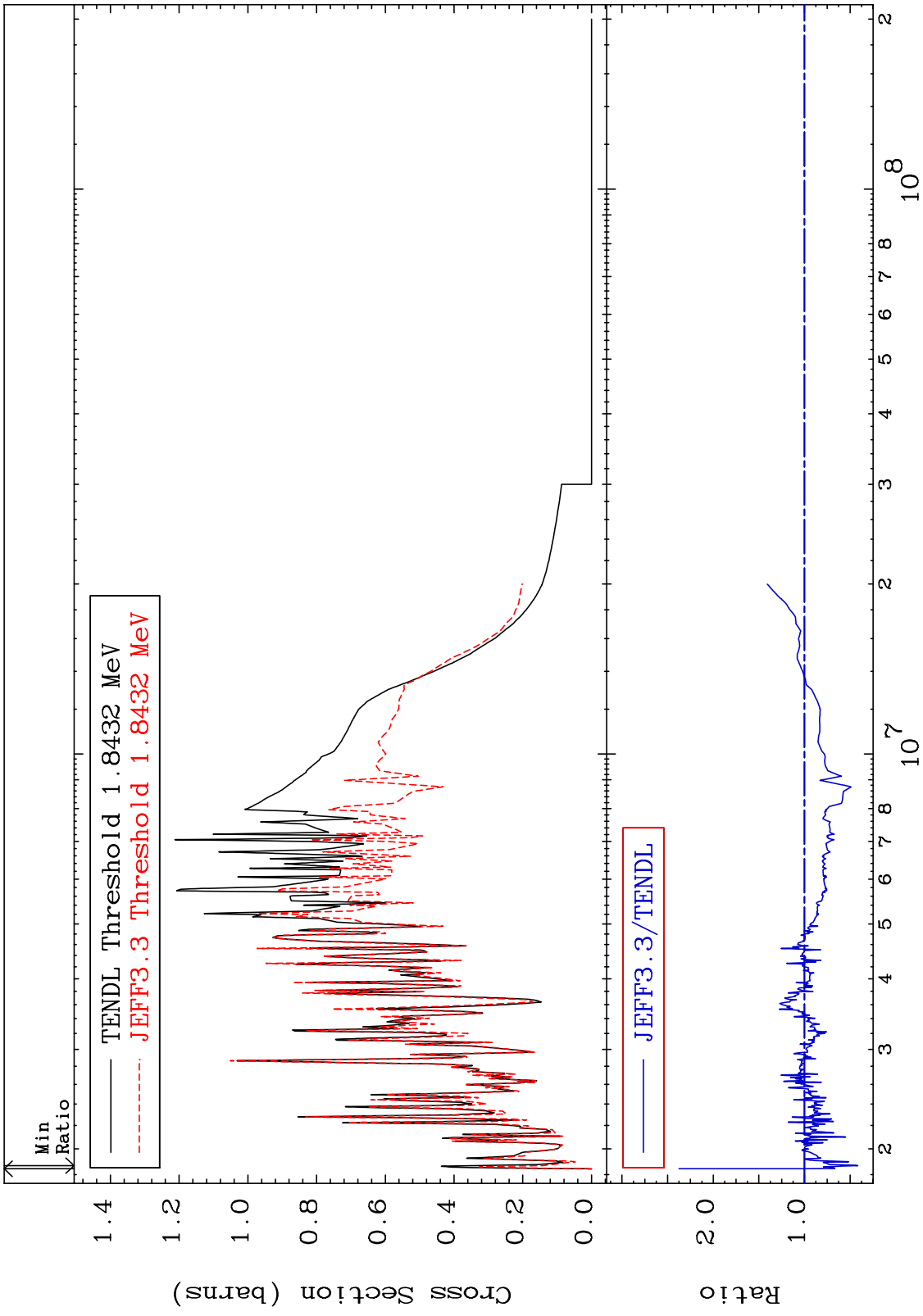
MAT 1425

Elastic  
Cross Section

14-Si-28  
-95.73 To 449.1 %

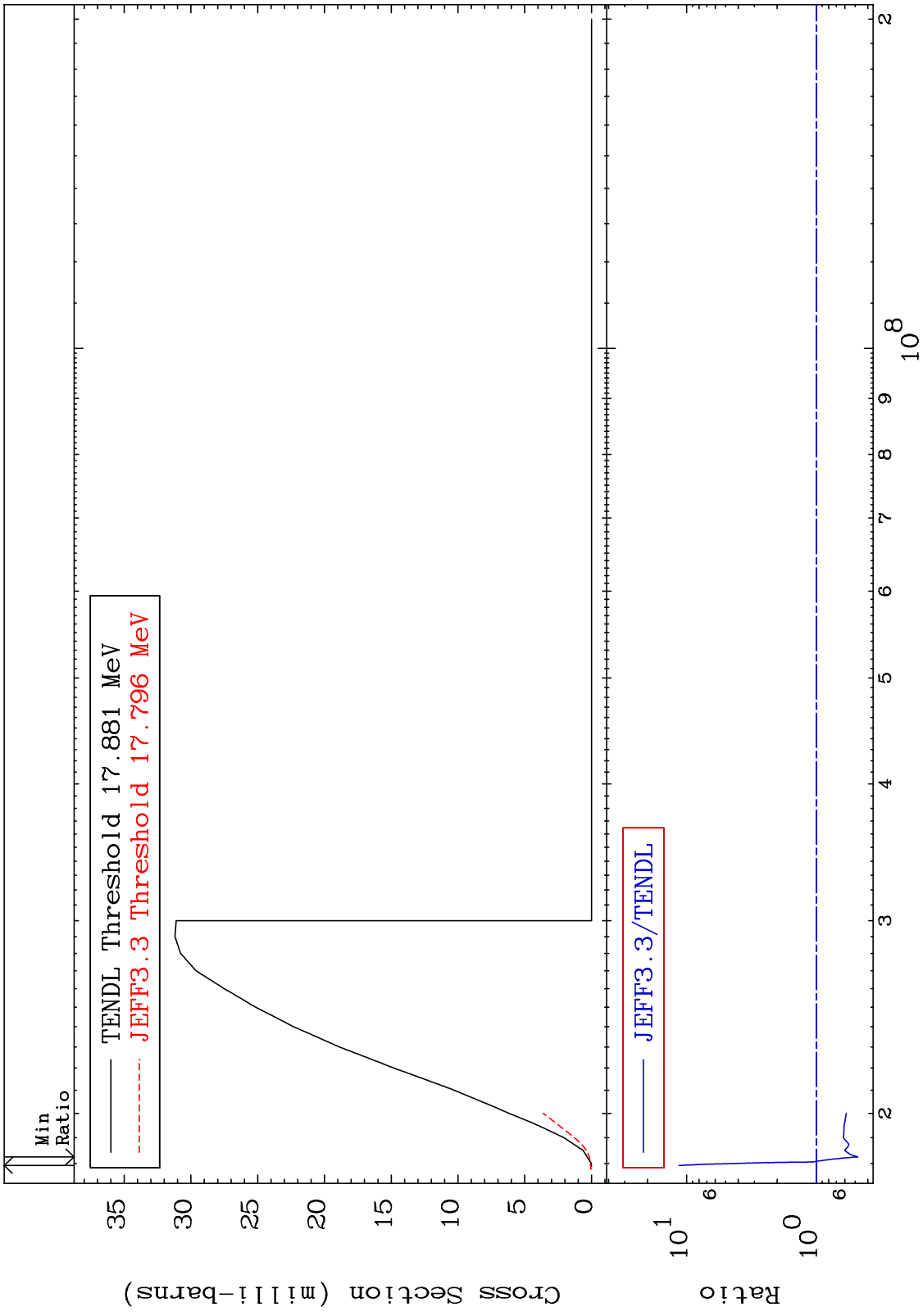


MAT 1425 Inelastic Cross Section 14-Si-28 -58.52 To 137.5 %

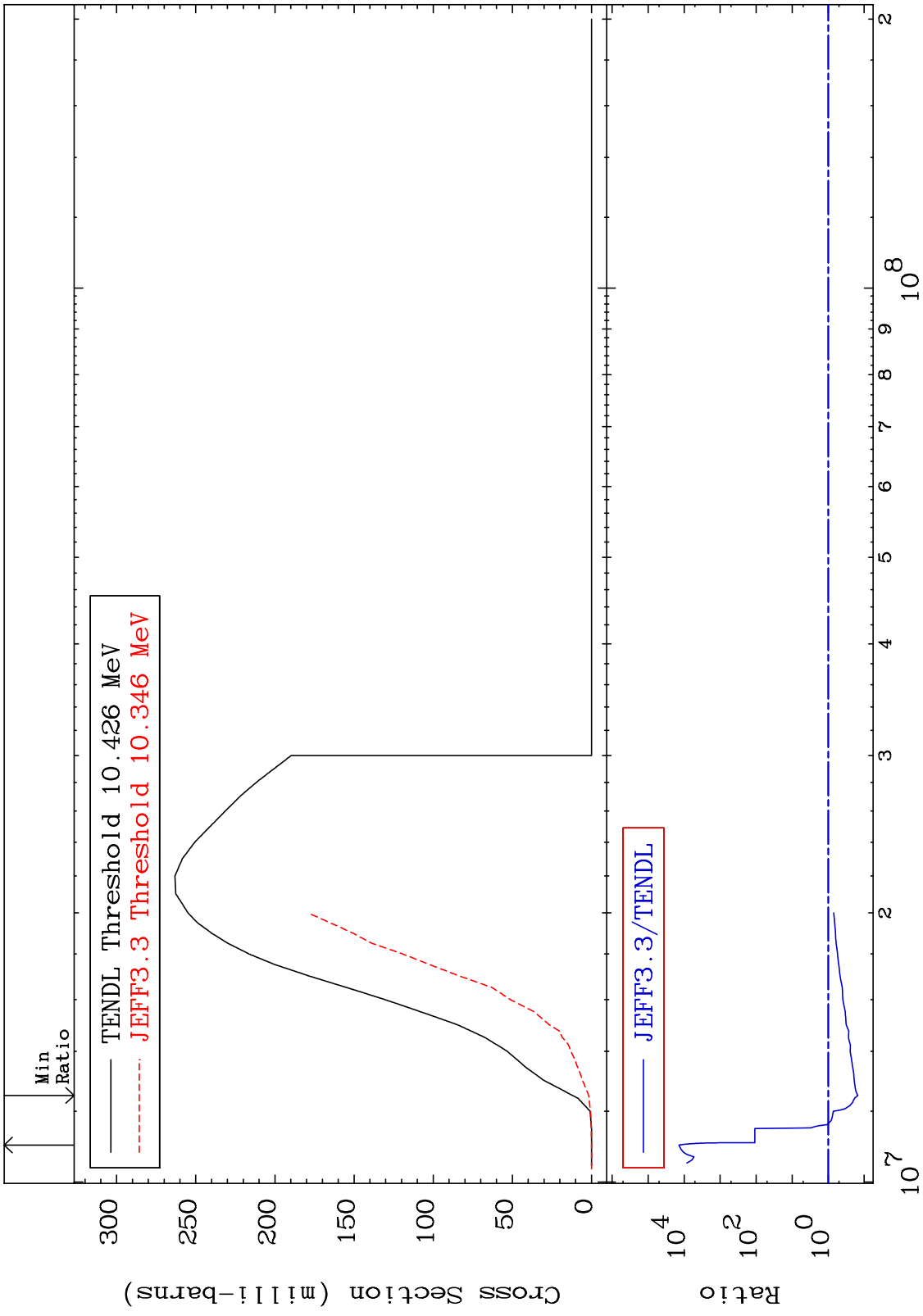


3 14-Si-28

MAT 1425 (n,2n) Cross Section 14-Si-28  
 -52.24 To 1043. %

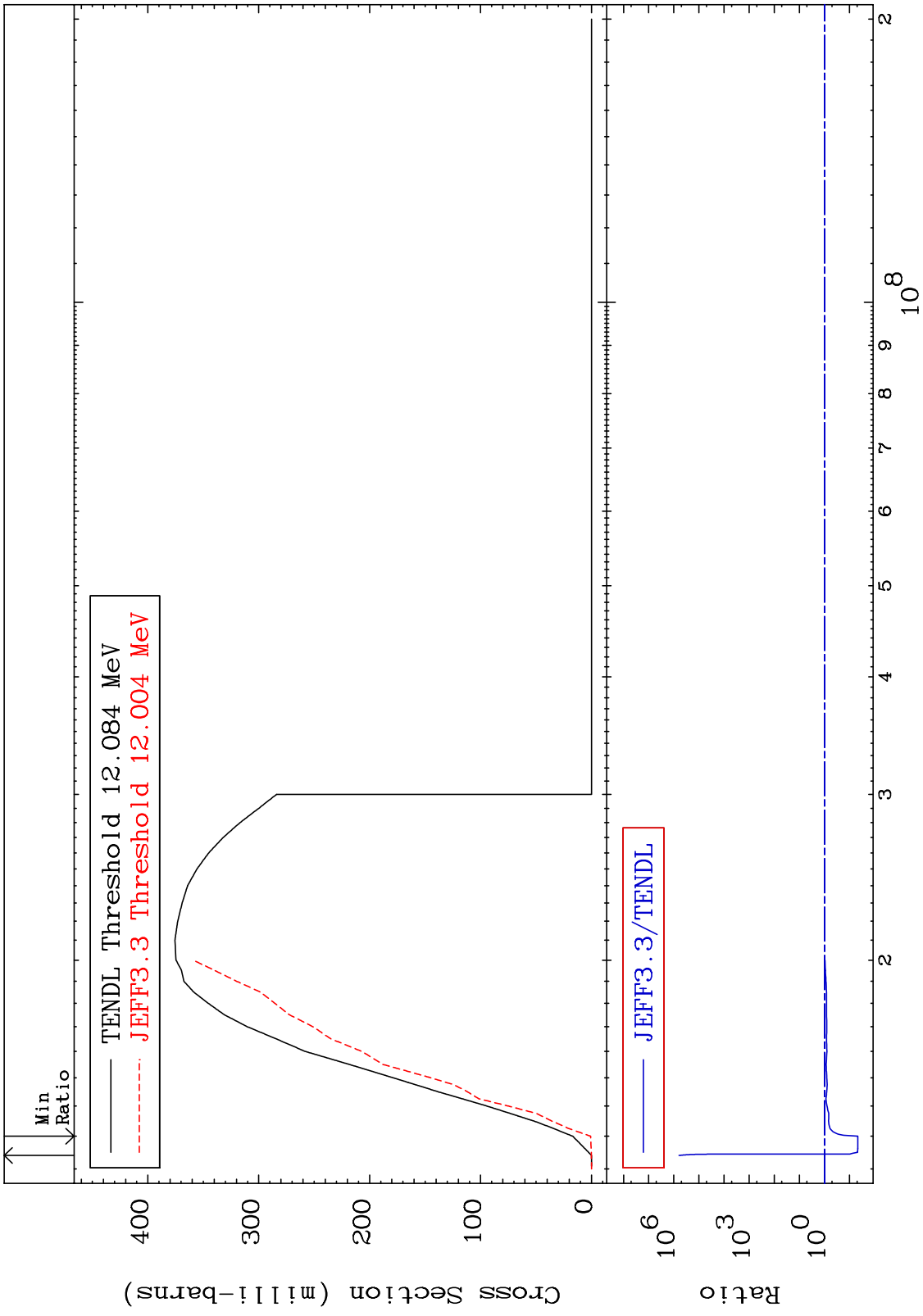


MAT 1425  $(n, n') \alpha$  14-Si-28  
Cross Section -84.95 To 9999. %

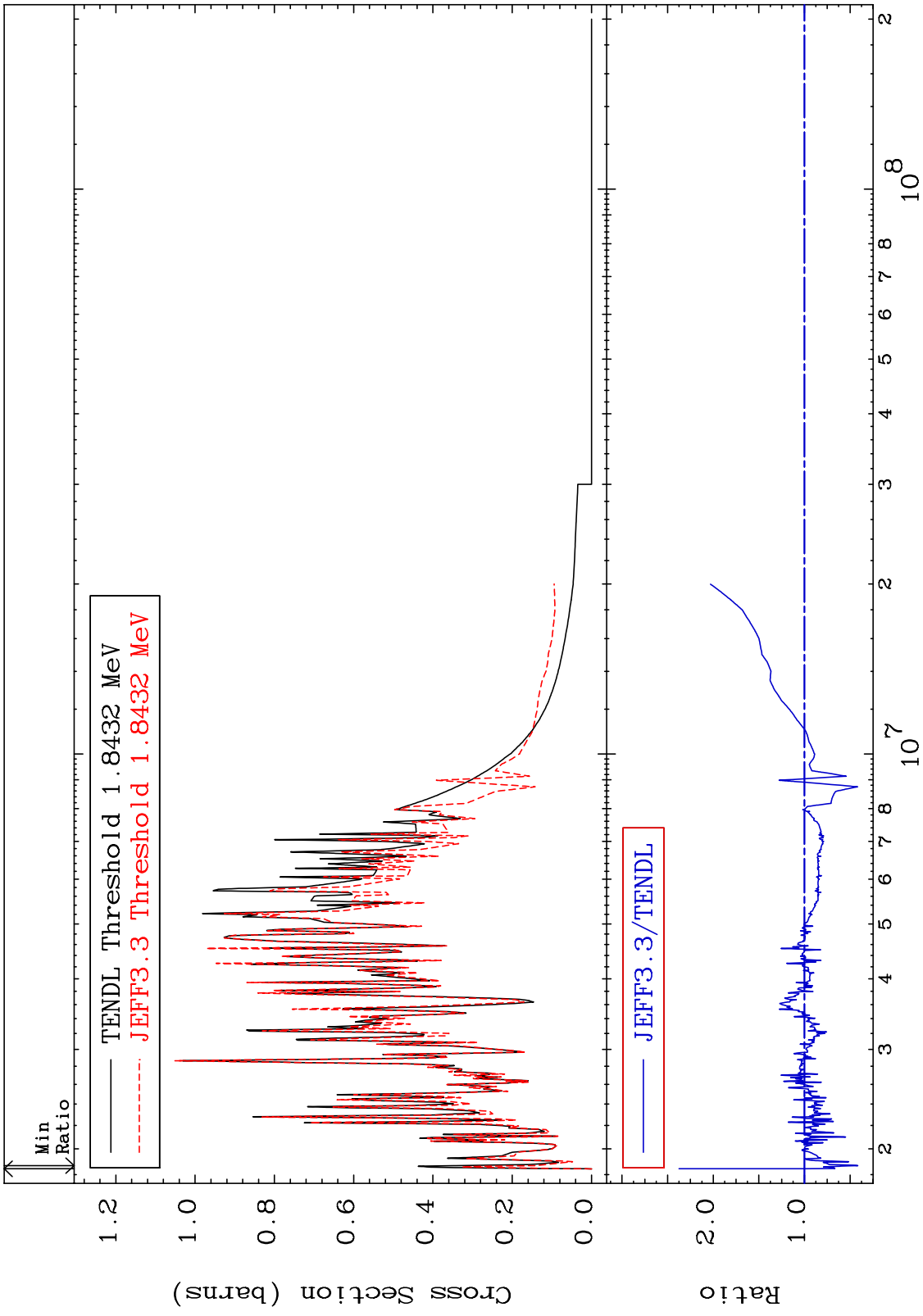


Incident Energy (eV) 14-Si-28

MAT 1425 (n,n') p 14-Si-28  
 Cross Section -95.31 To 9999. %



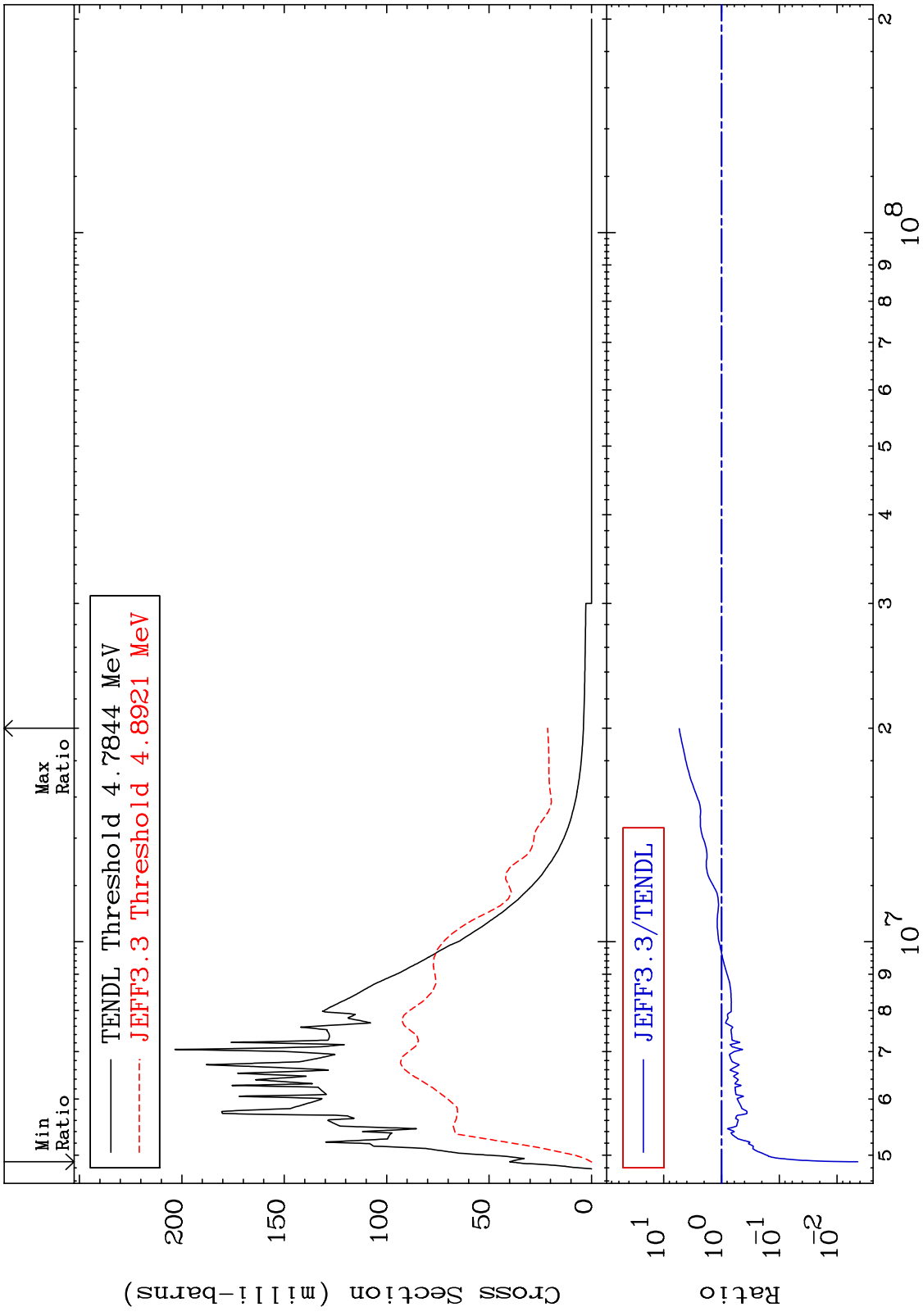
MAT 1425 MT= 51 (n,n') Level Cross Section 14-Si-28 -58.52 To 137.5 %



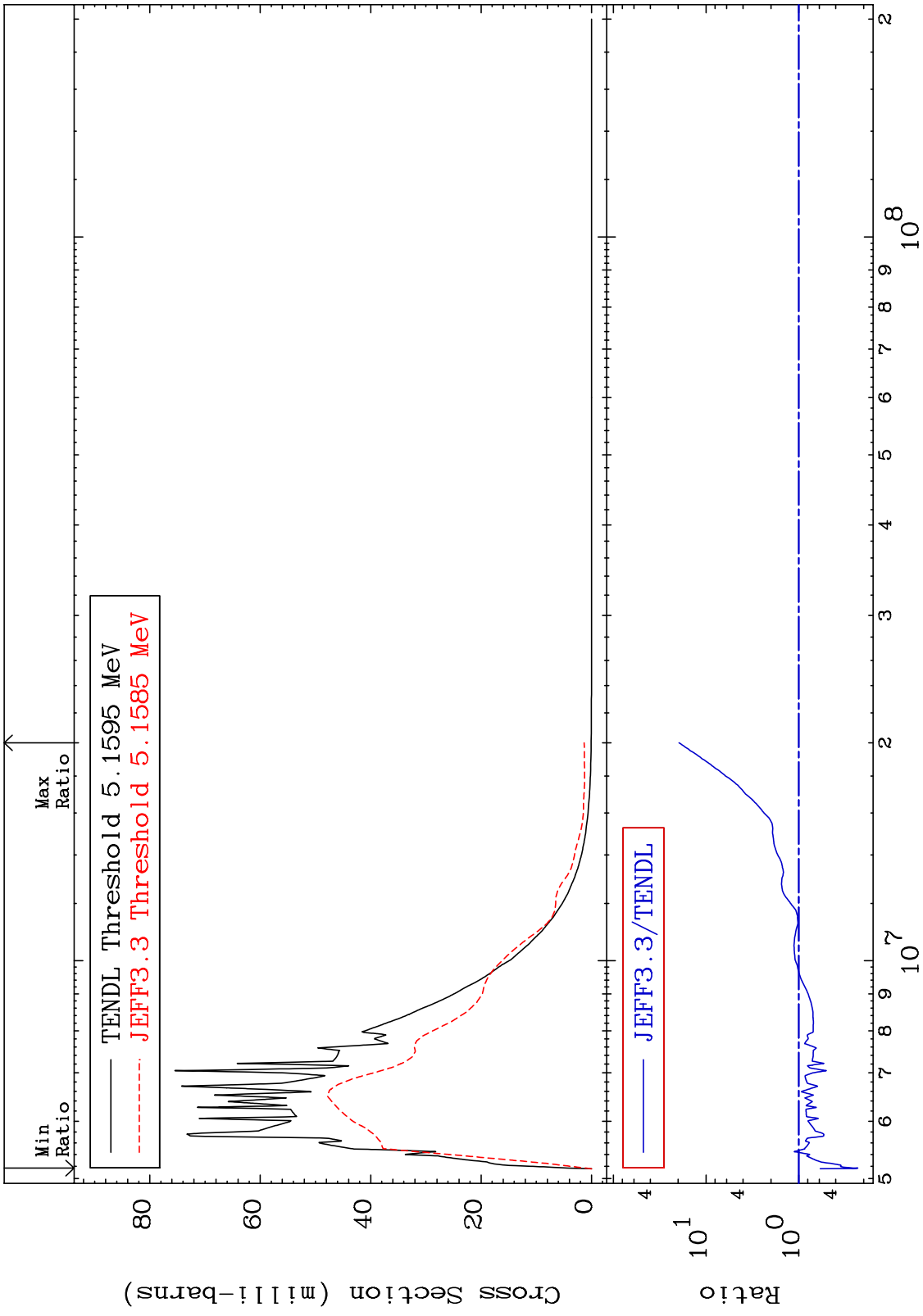
7 14-Si-28



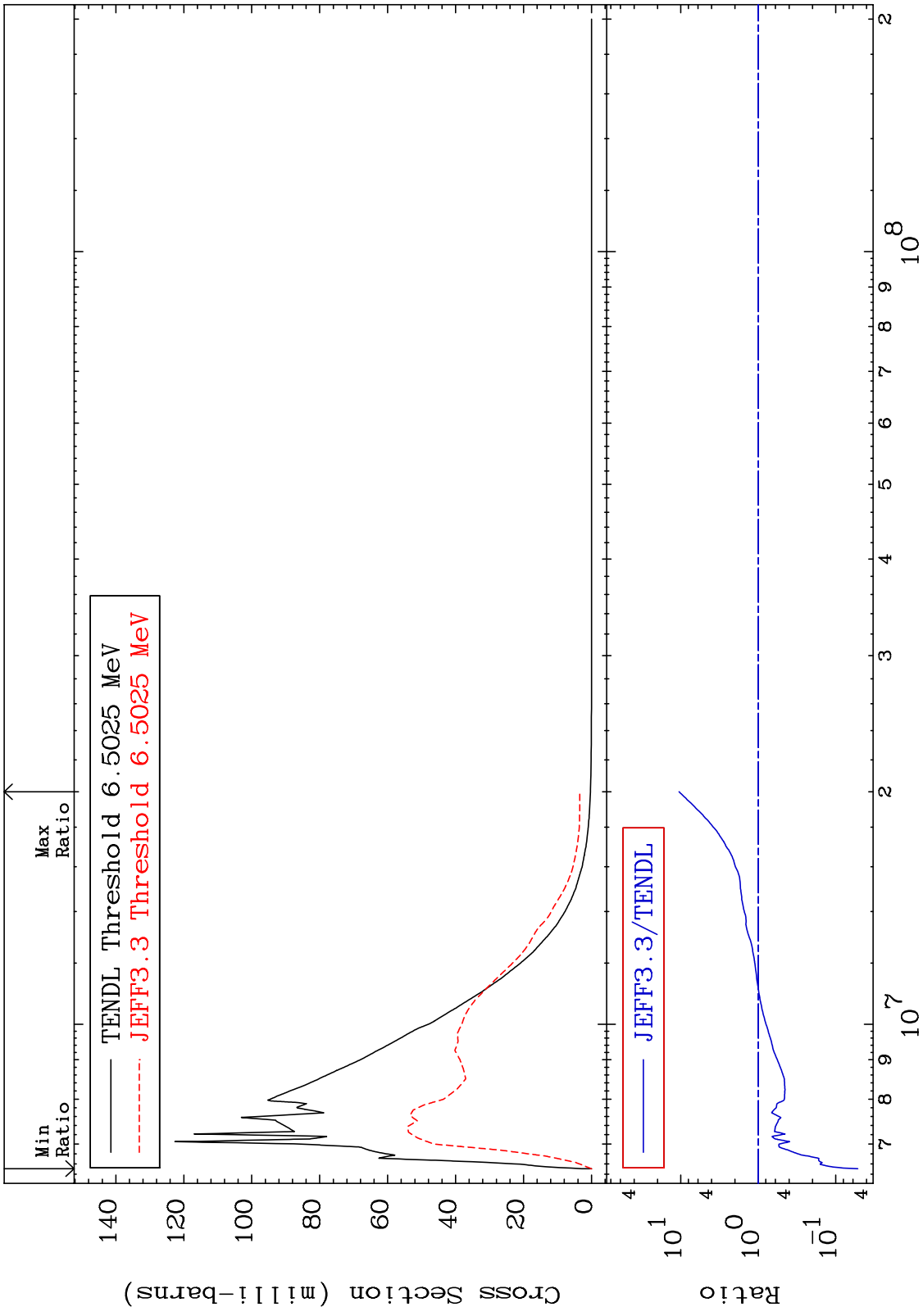
MAT 1425 MT= 52 (n,n') Level Cross Section 14-Si-28  
 -99.56 To 443.7 %



MAT 1425 MT= 53 (n,n') Level Cross Section 14-Si-28  
 -76.88 To 1858. %

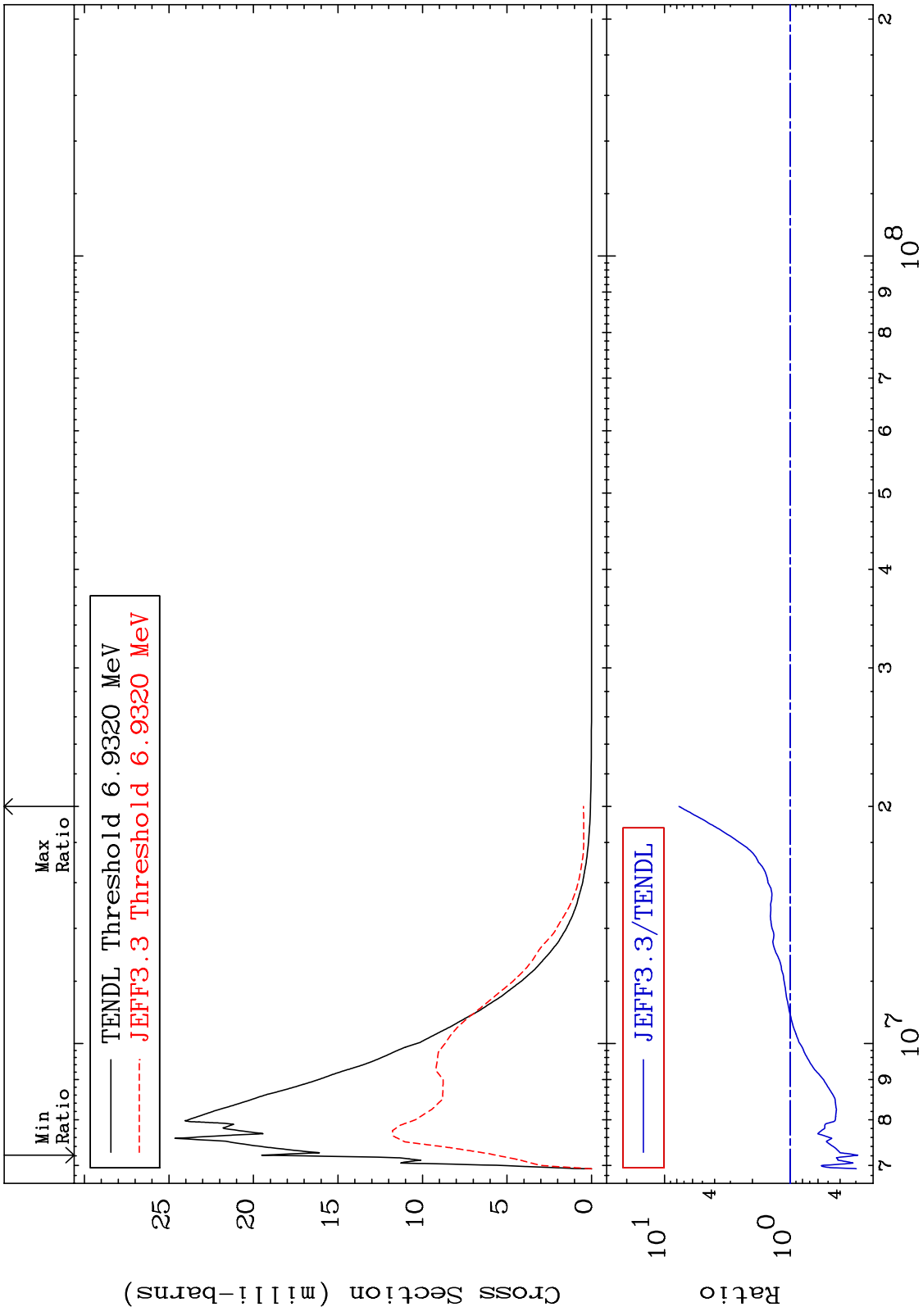


MAT 1425 MT= 54 (n,n') Level Cross Section 14-Si-28  
 -94.81 To 953.3 %



10 14-Si-28

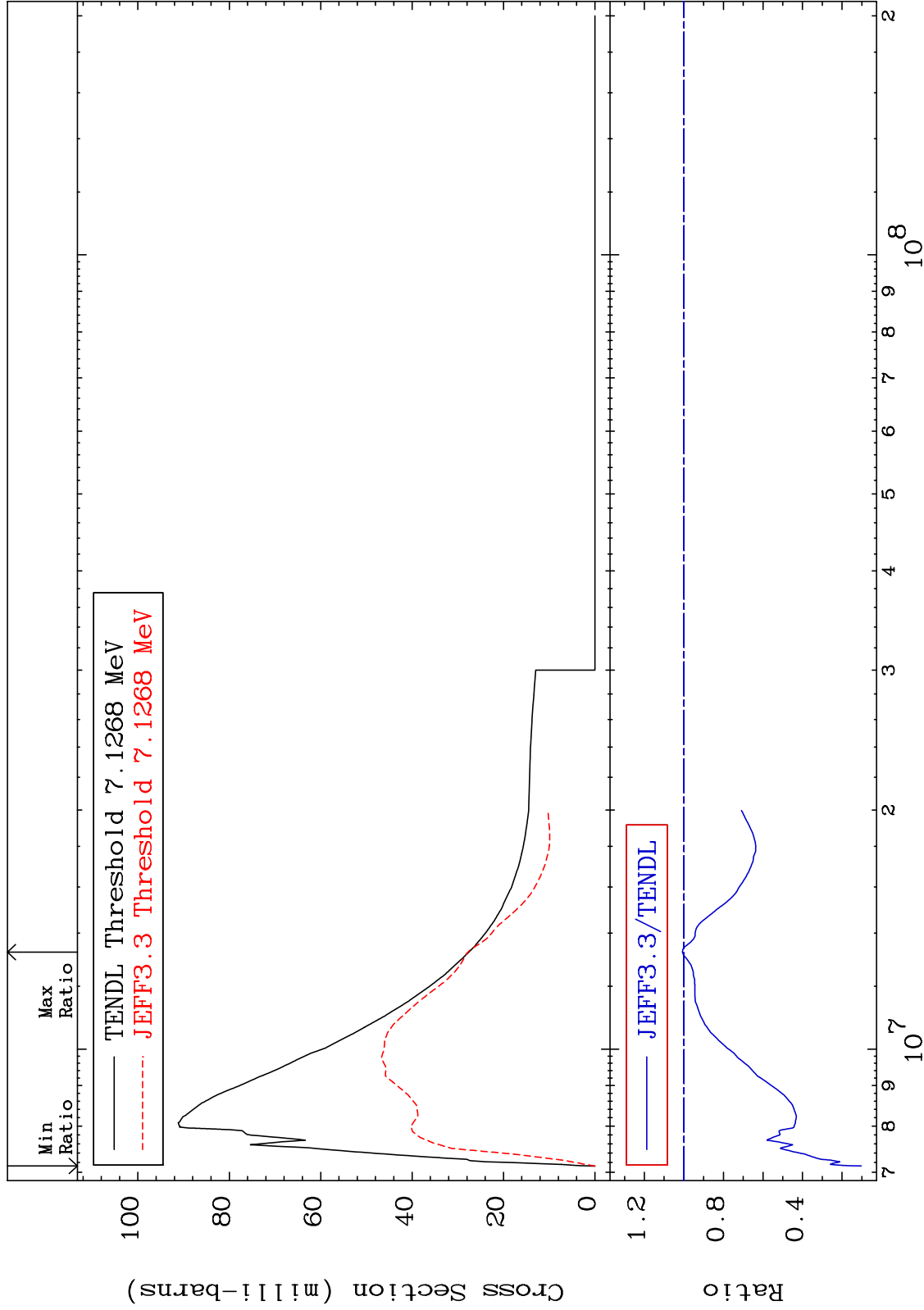
MAT 1425 MT= 55 (n,n') Level Cross Section -71.06 To 667.6 % 14-Si-28



MAT 1425

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

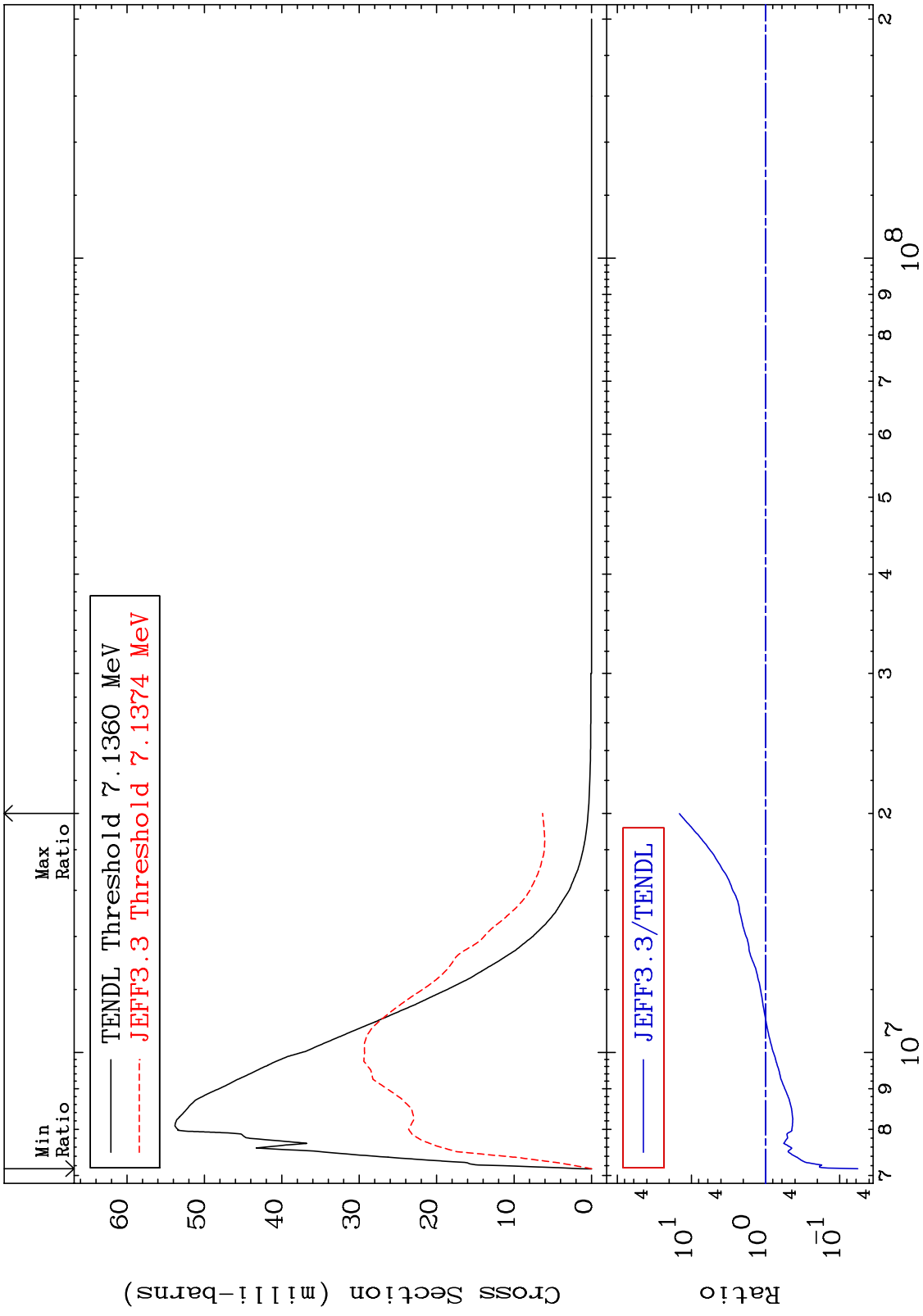
14-Si-28  
-89.72 To 0.727 %



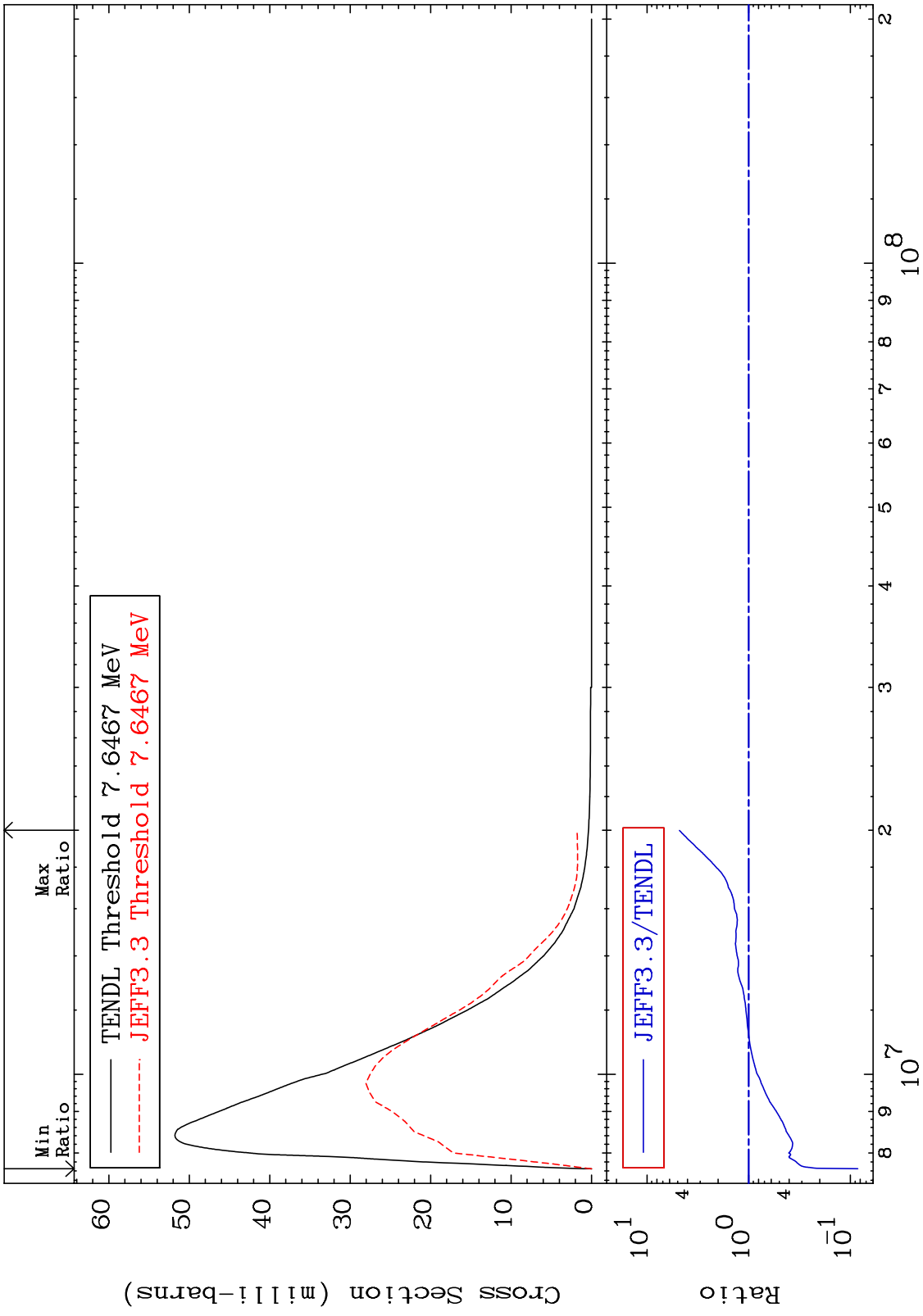
12

14-Si-28

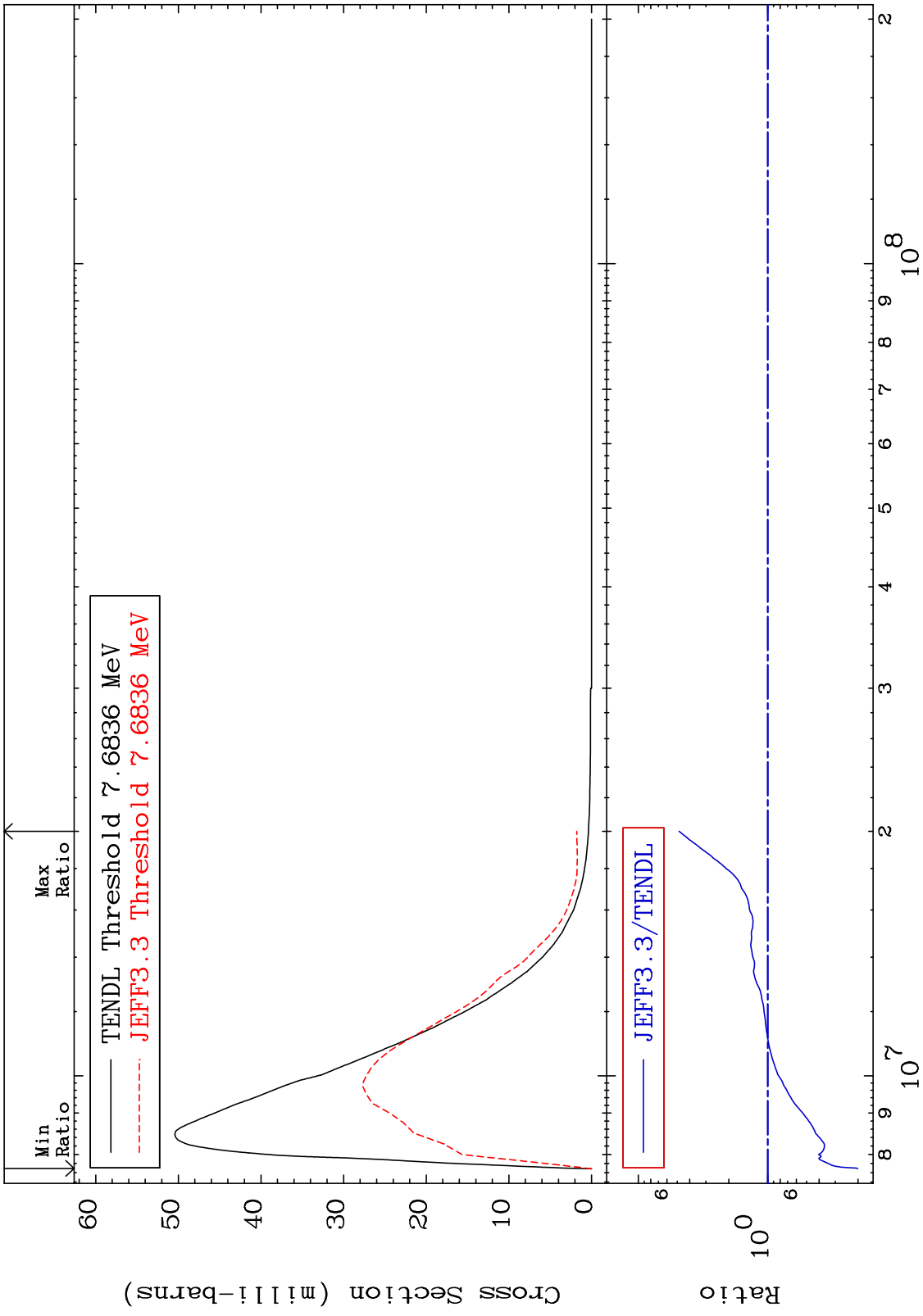
MAT 1425 MT= 57 (n,n') Level Cross Section 14-Si-28  
 -94.32 To 1369. %



MAT 1425 MT= 58 (n,n') Level Cross Section 14-Si-28  
 -91.54 To 384.1 %



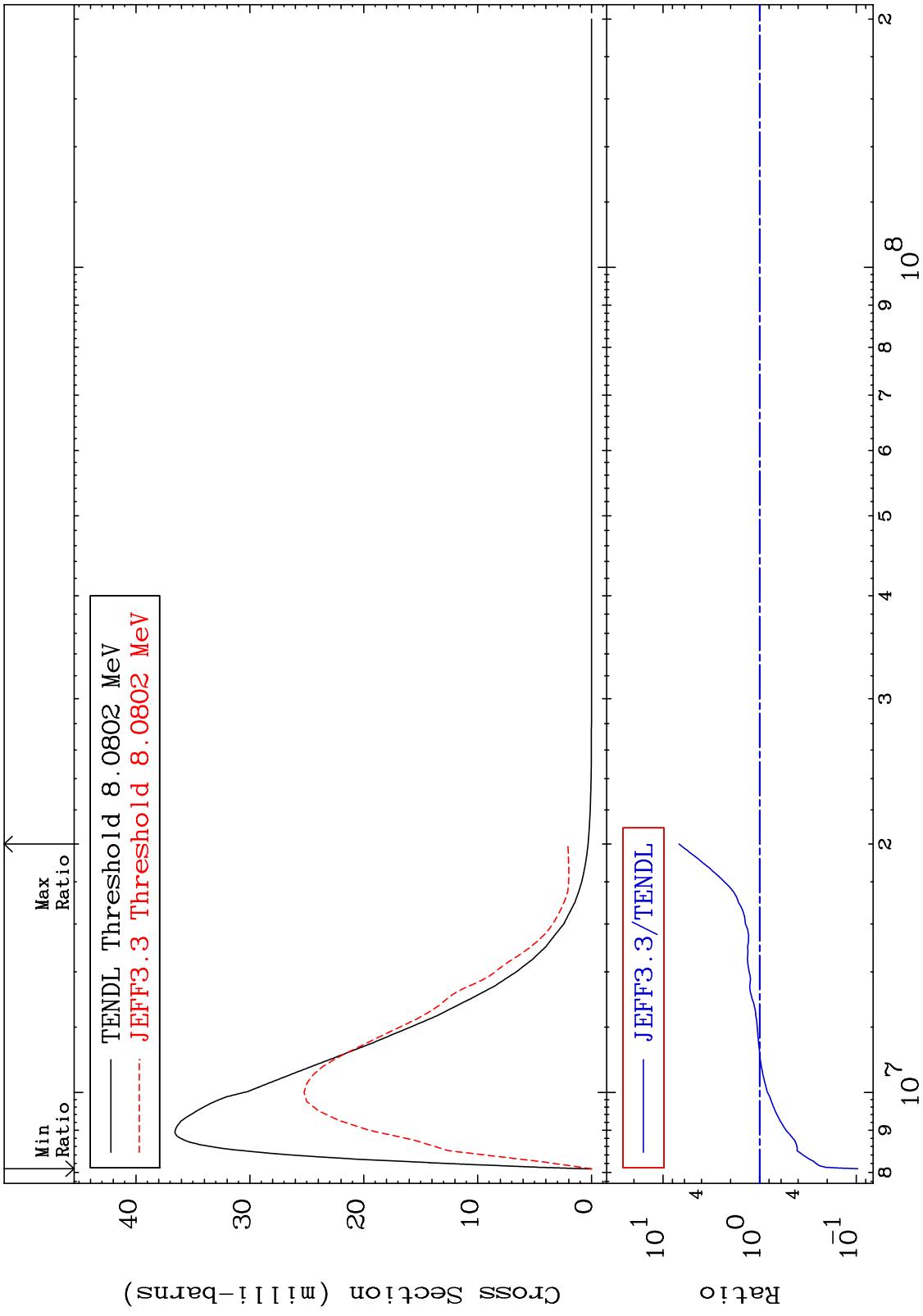
MAT 1425 MT= 59 (n,n') Level Cross Section 14-Si-28  
 -79.94 To 384.4 %



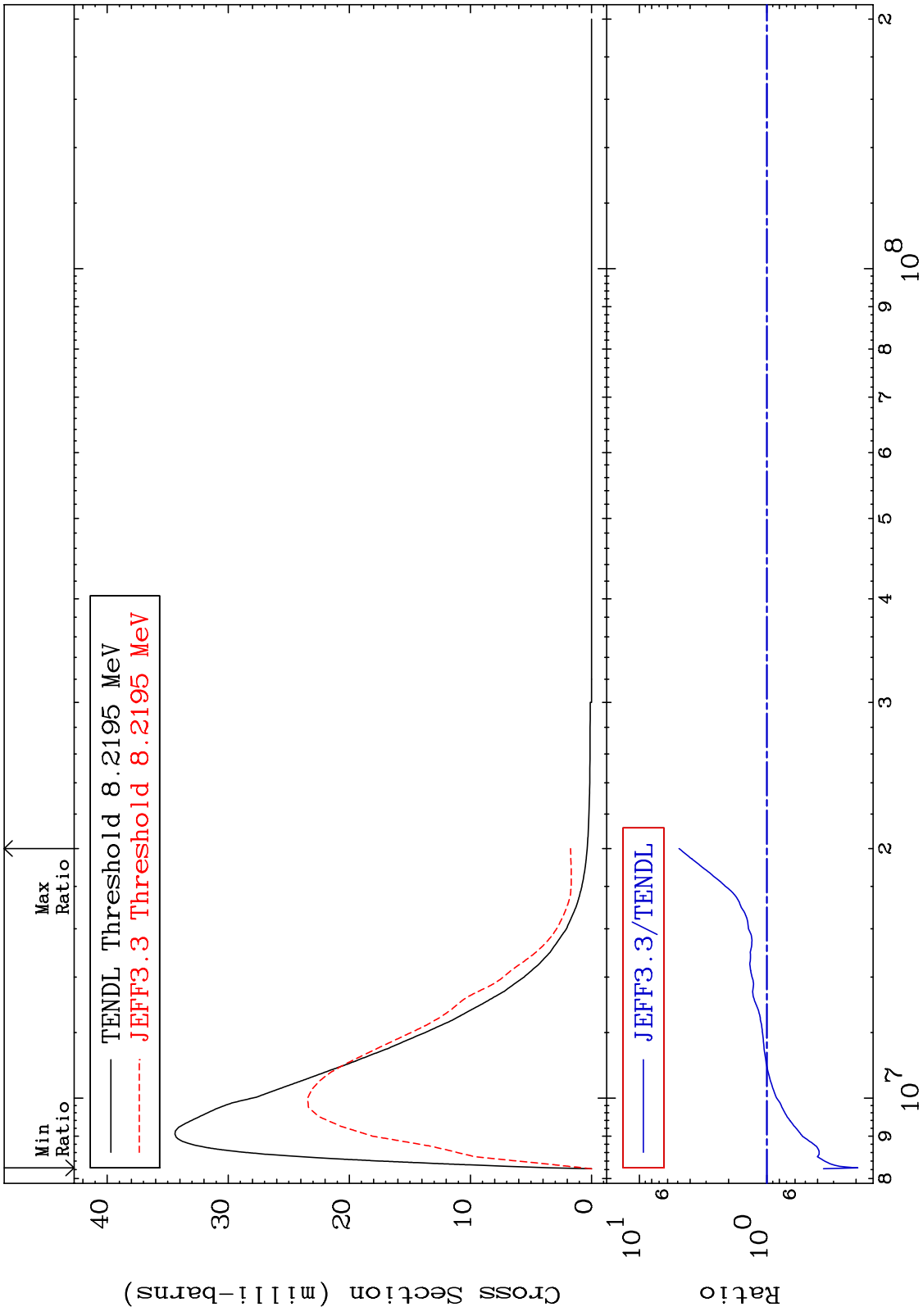
15 14-Si-28 Incident Energy (eV)



MAT 1425 MT= 60 (n,n') Level Cross Section 14-Si-28  
 -90.37 To 582.0 %



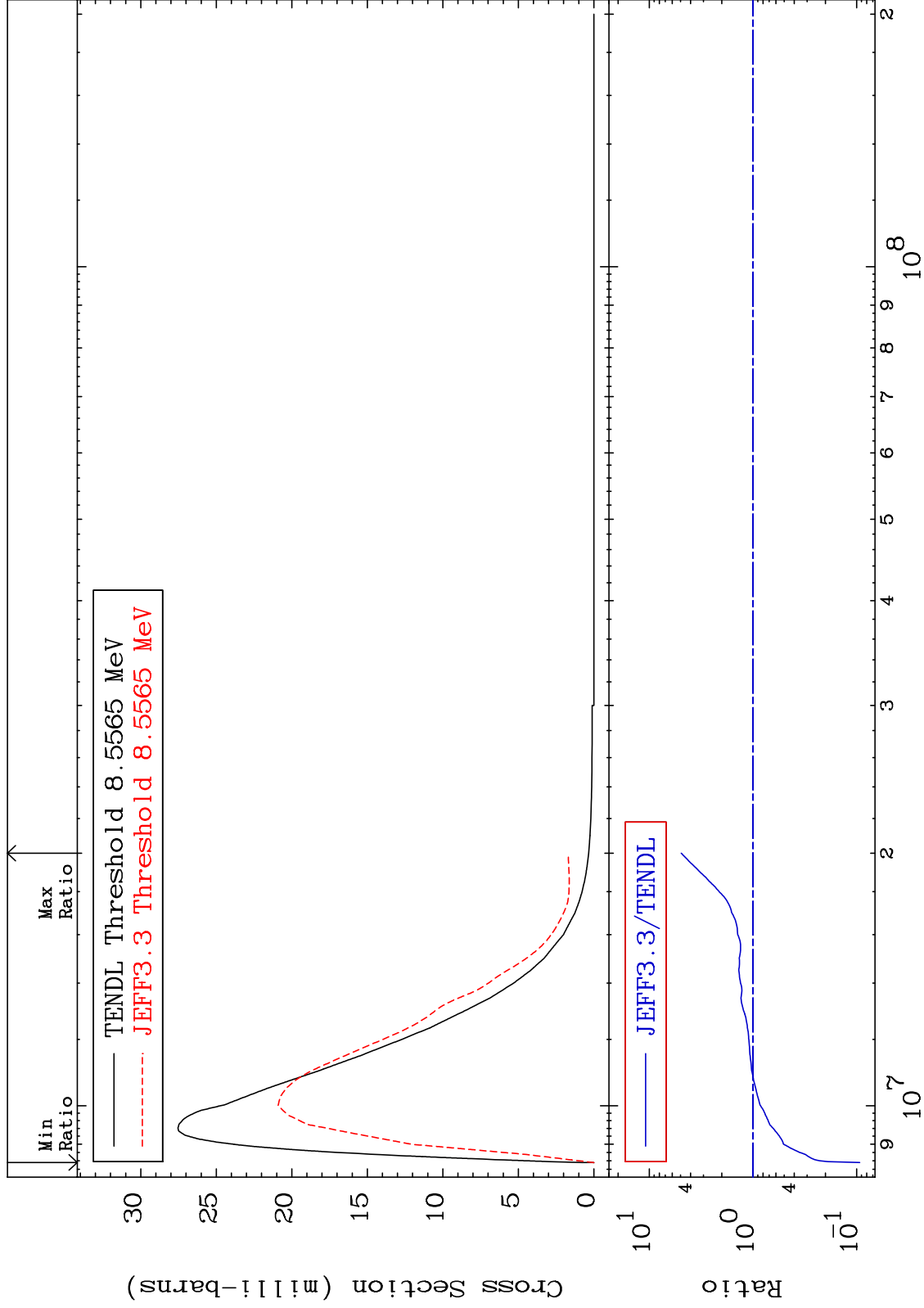
MAT 1425 MT= 61 (n,n') Level Cross Section 14-Si-28  
 -80.66 To 388.6 %



MAT 1425

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

14-Si-28  
-90.66 To 391.5 %



18

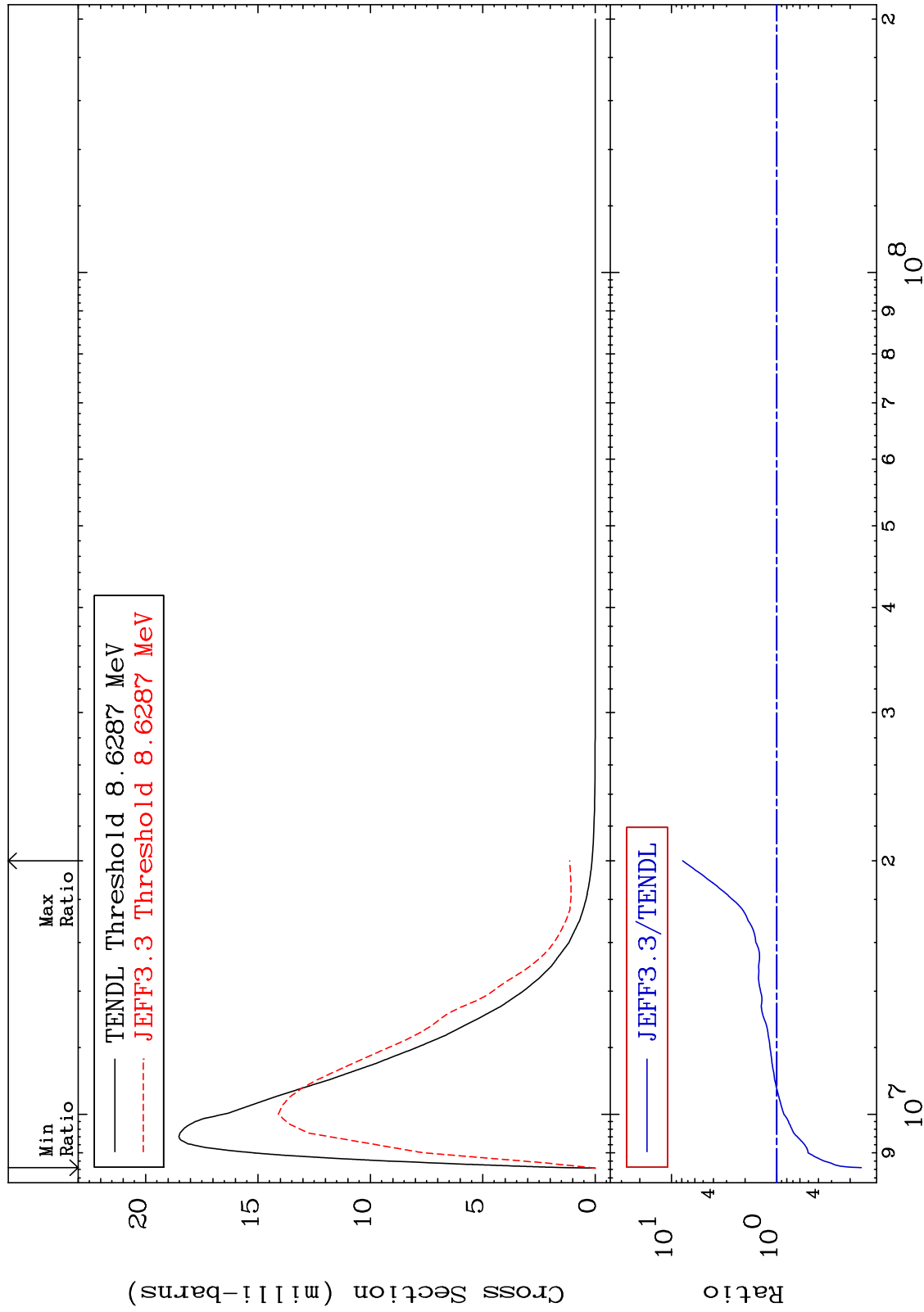
Incident Energy (eV)

14-Si-28

MAT 1425

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

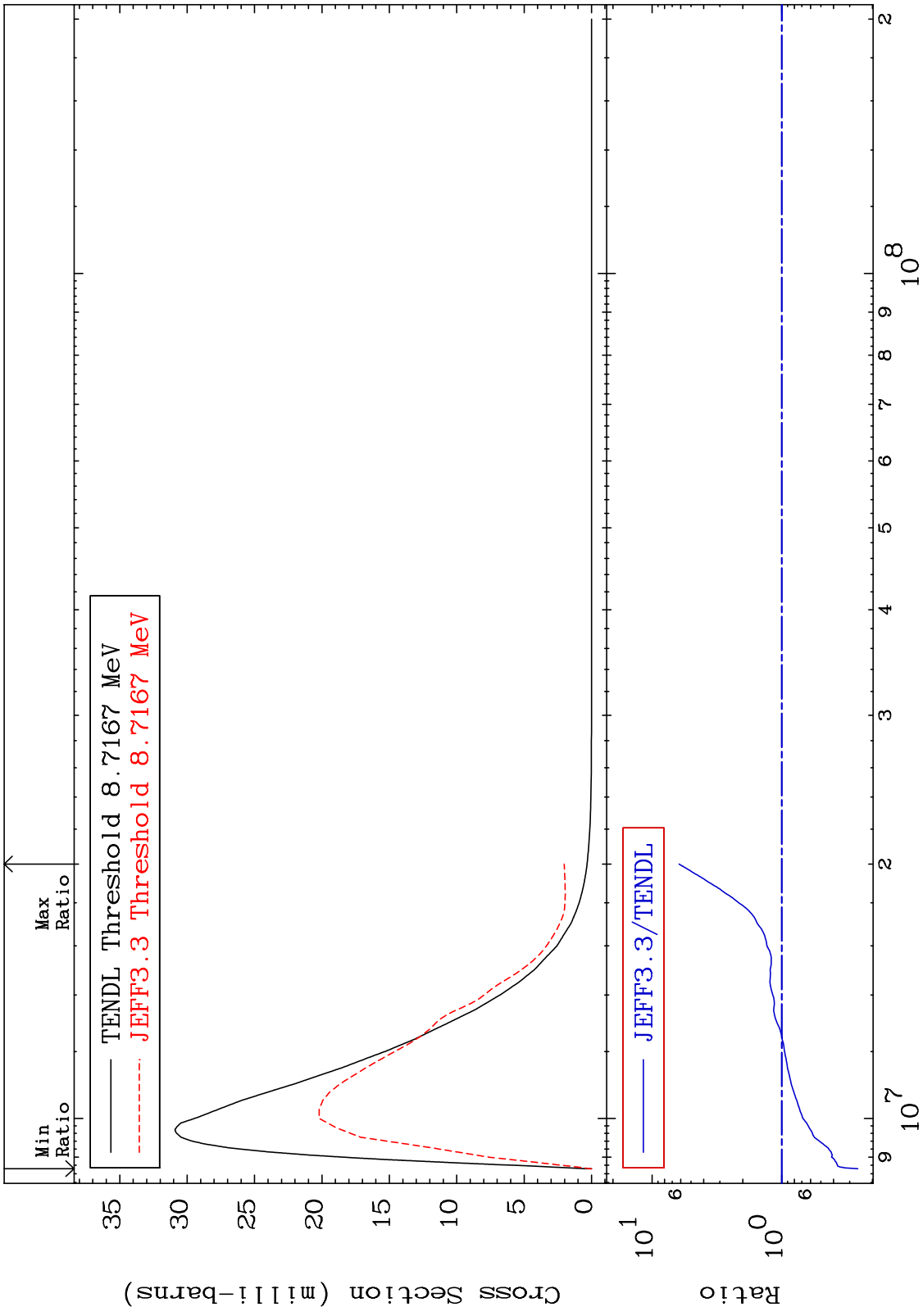
14-Si-28  
-84.34 To 683.2 %



19

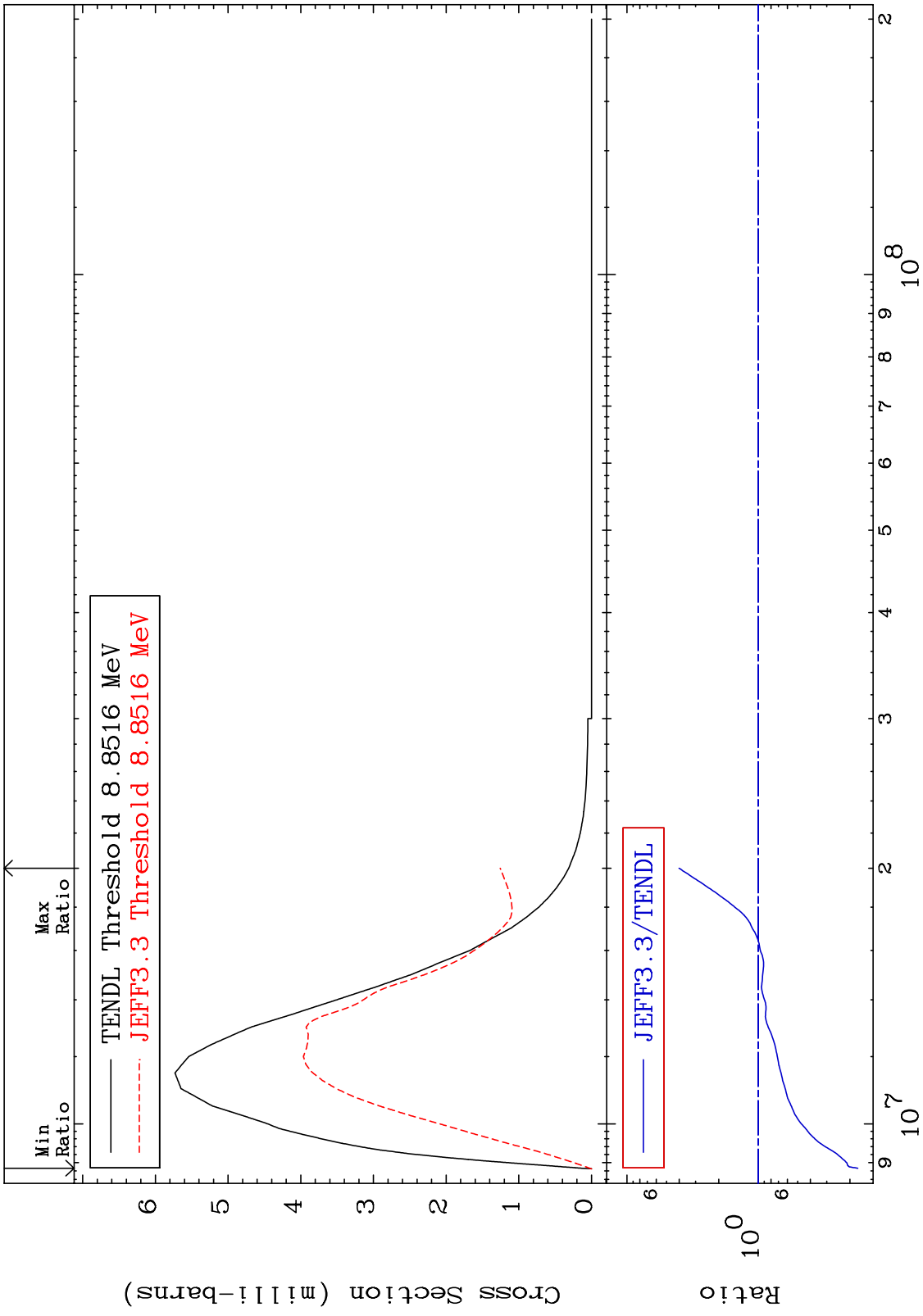
14-Si-28

MAT 1425 MT= 64 (n,n') Level Cross Section 14-Si-28  
 -74.06 To 518.8 %

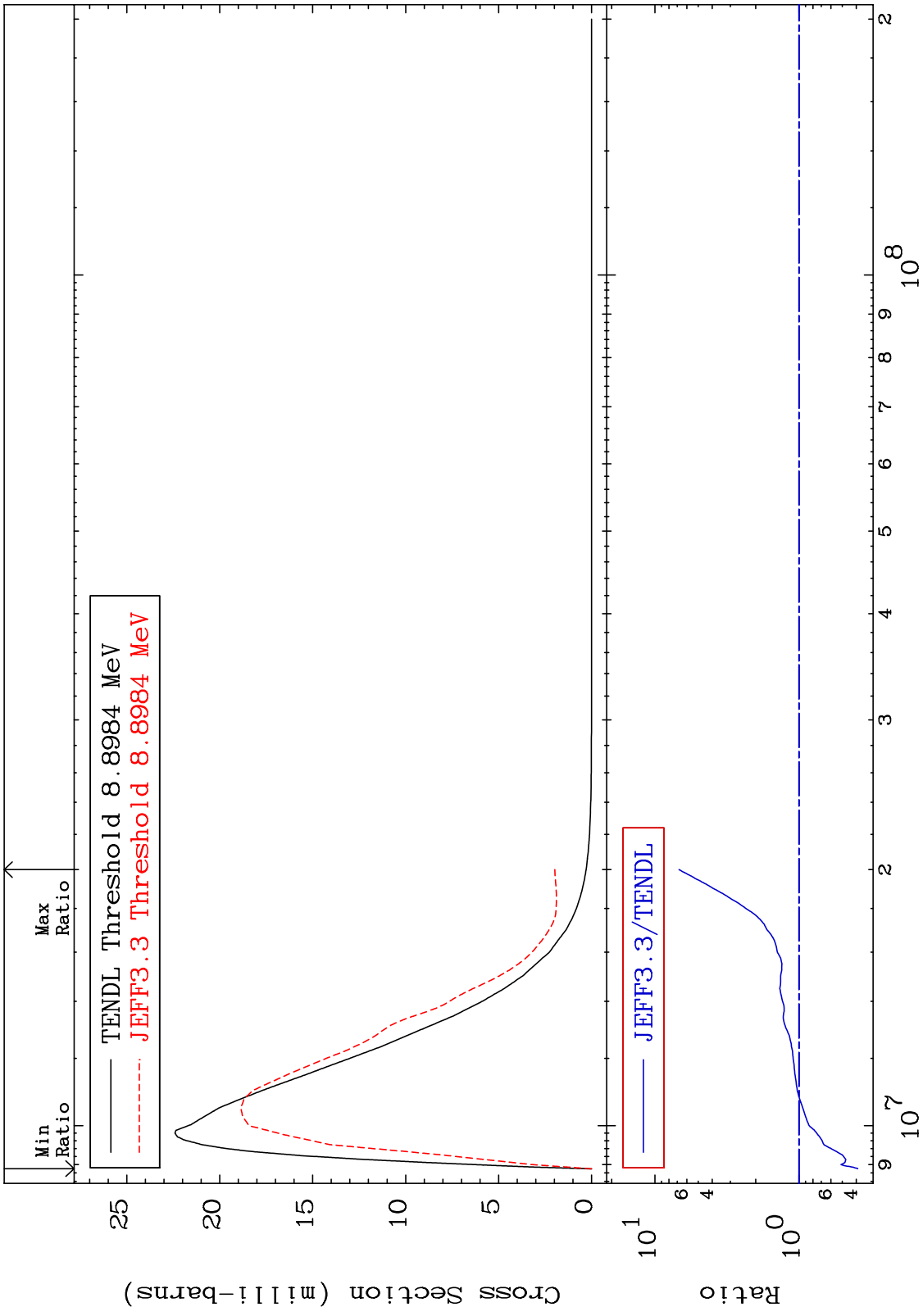


20 Incident Energy (eV) 14-Si-28

MAT 1425 MT= 65 (n,n') Level Cross Section 14-Si-28  
 -82.60 To 301.4 %



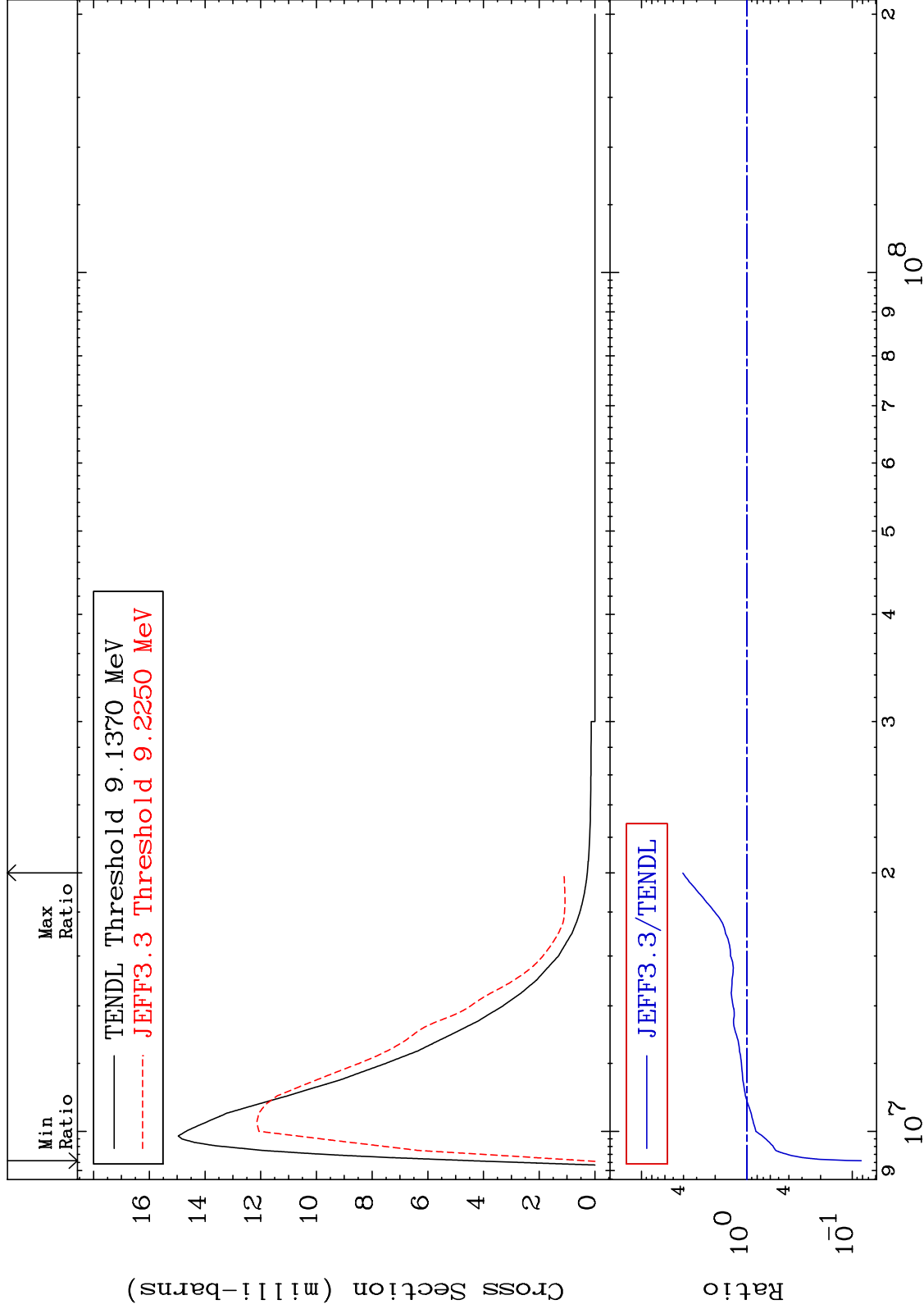
MAT 1425 MT= 66 (n,n') Level Cross Section 14-Si-28  
 -61.01 To 580.5 %



MAT 1425

MT= 67 (n,n') Level  
Cross Section

14-Si-28  
-91.79 To 308.6 %

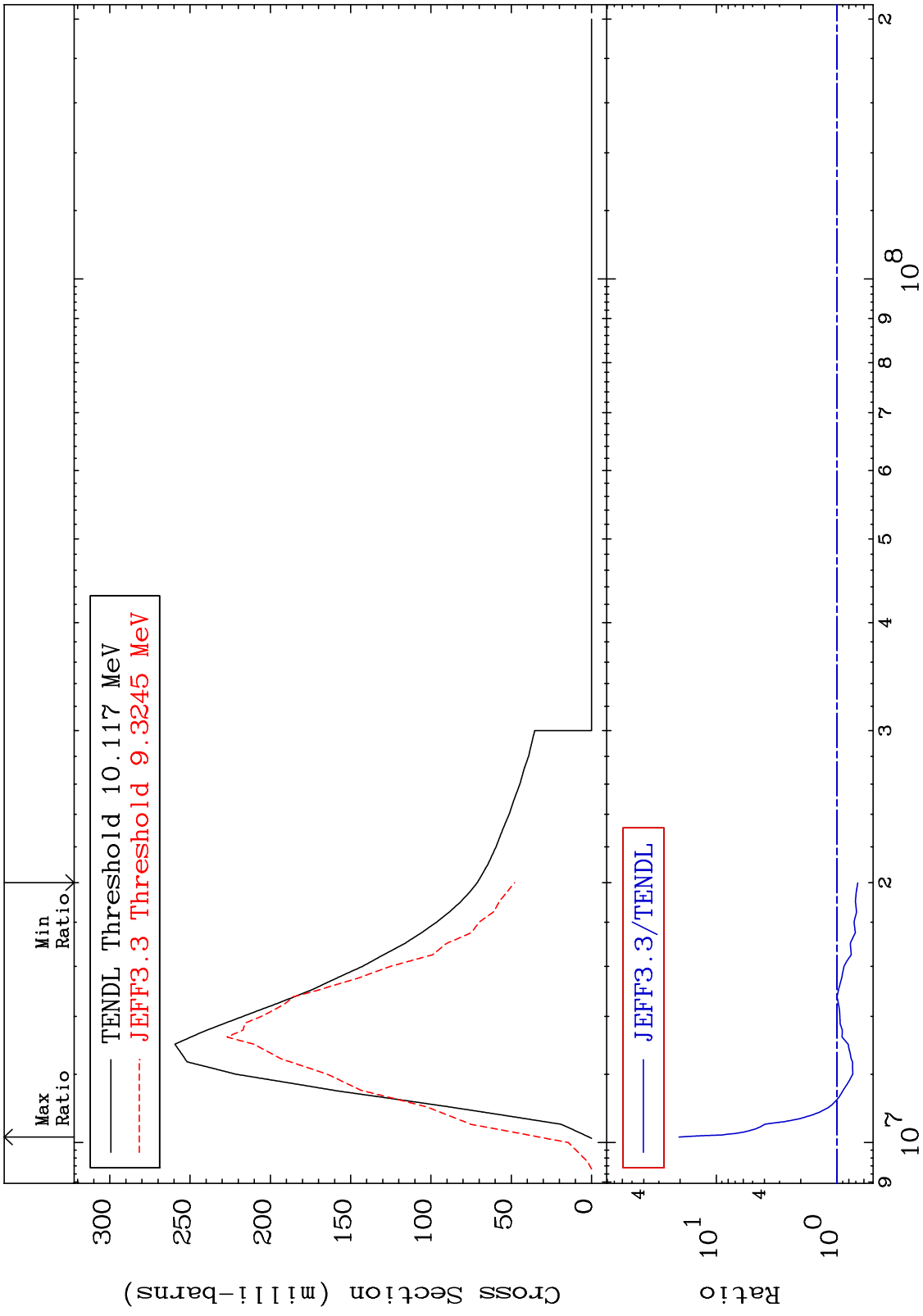


23

14-Si-28



MAT 1425 (n,n') Continuum Cross Section 14-Si-28 -32.65 To 1938. %



24 14-Si-28 Incident Energy (eV)

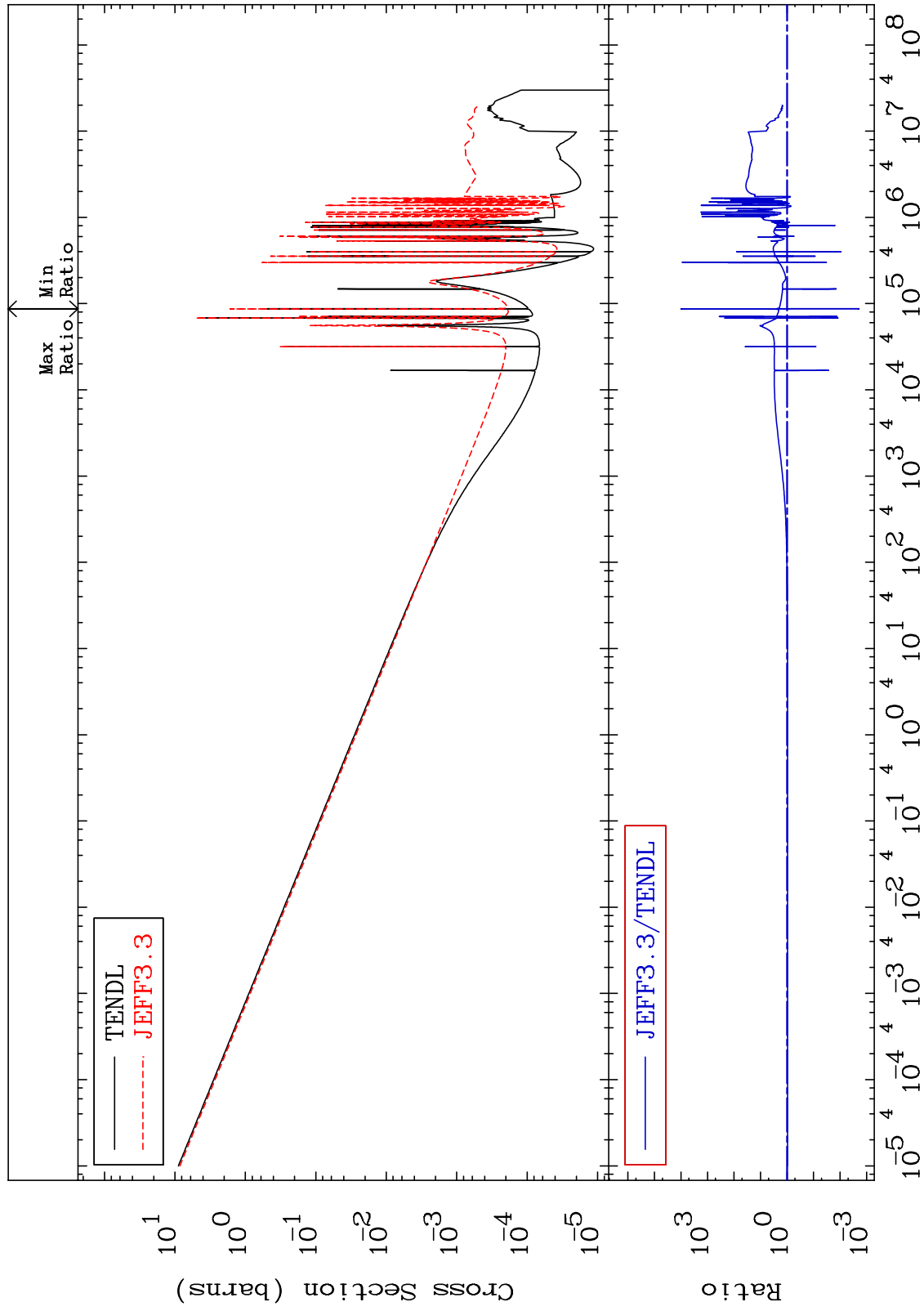
MAT 1425

(n,  $\gamma$ )

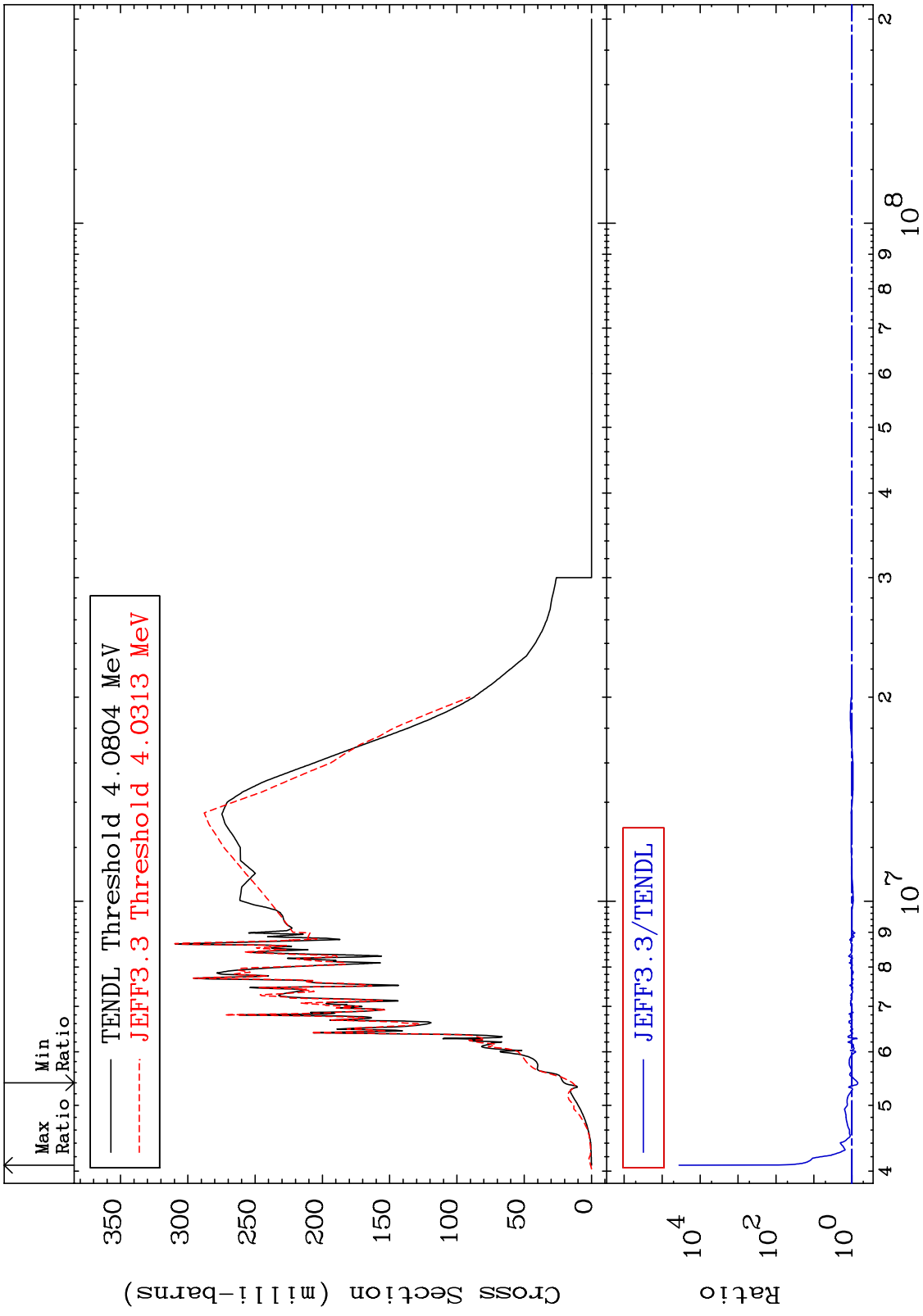
14-Si-28

Cross Section

-99.81 To 9999. %

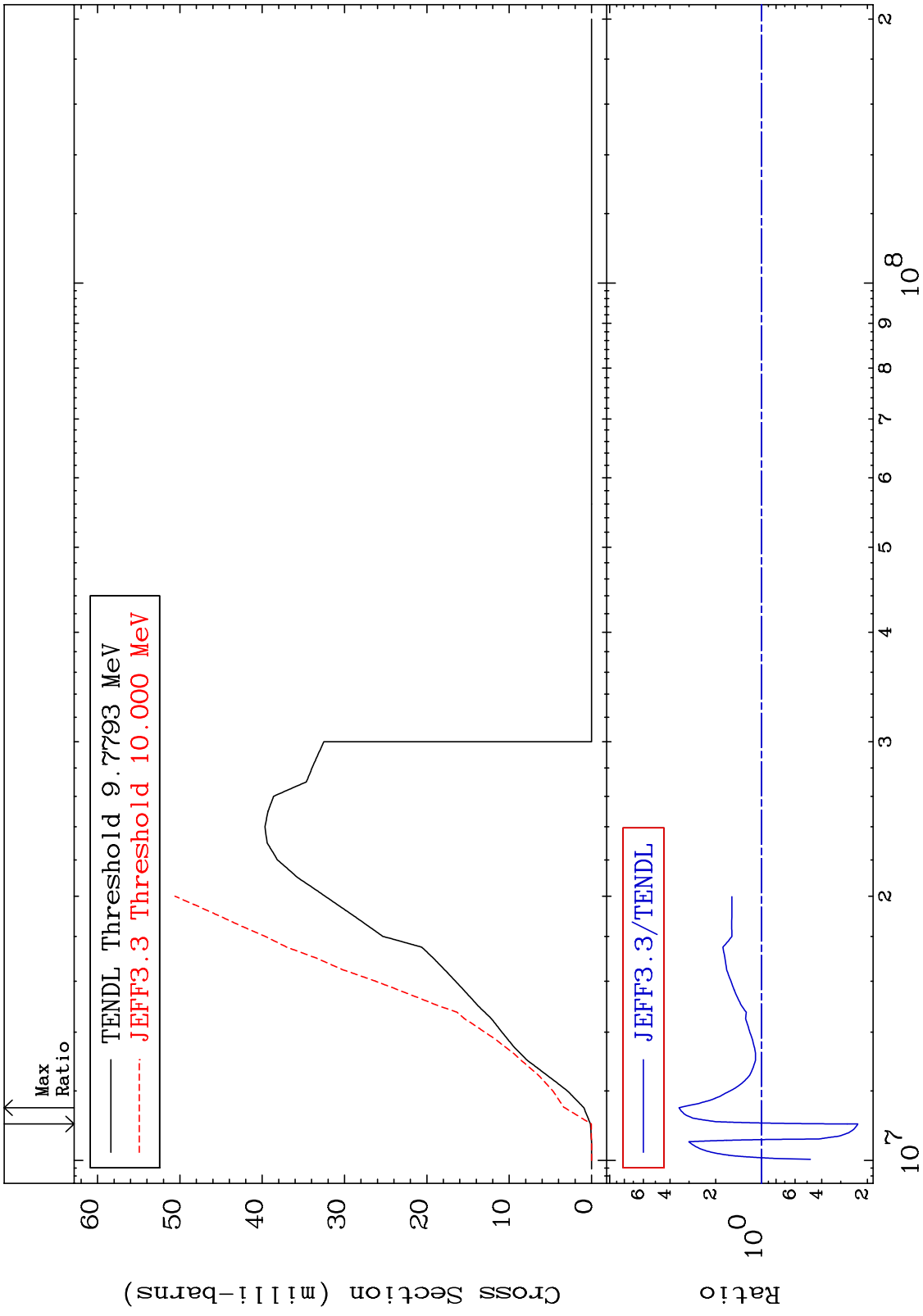


MAT 1425 (n,p) 14-Si-28  
 Cross Section -30.22 To 9999. %

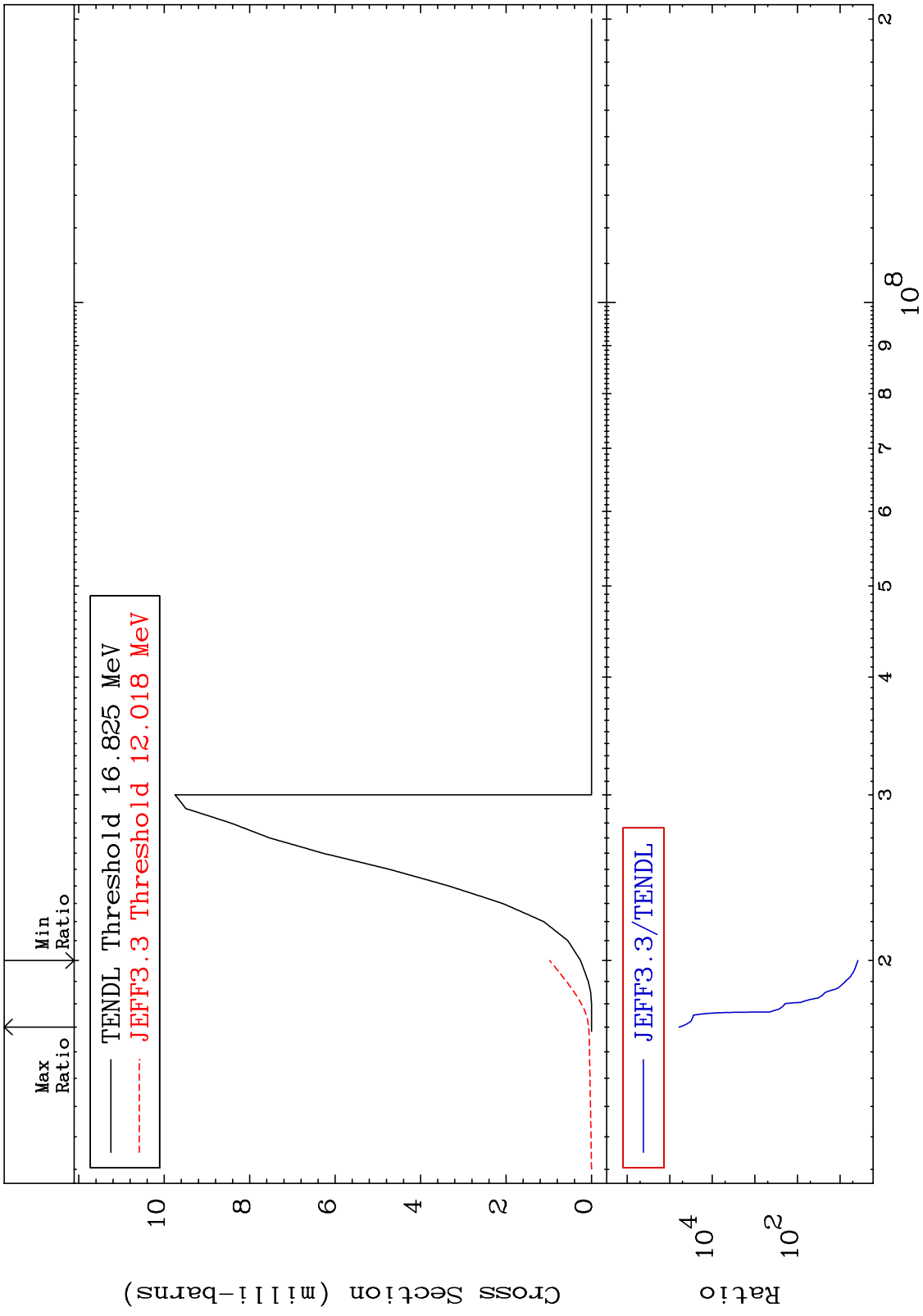


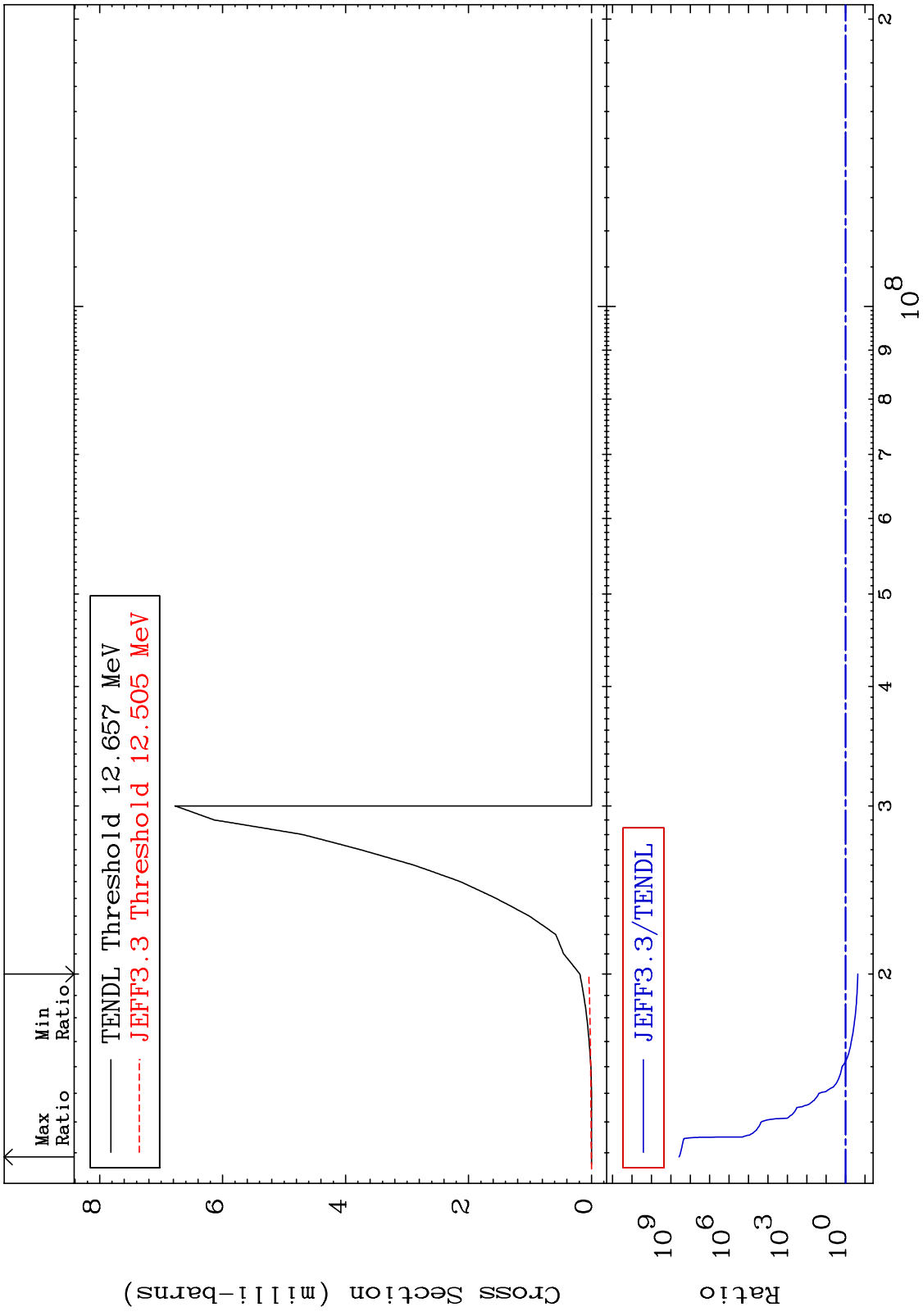
26 Incident Energy (eV) 14-Si-28

MAT 1425 (n,d) 14-Si-28  
Cross Section -76.89 To 249.0 %

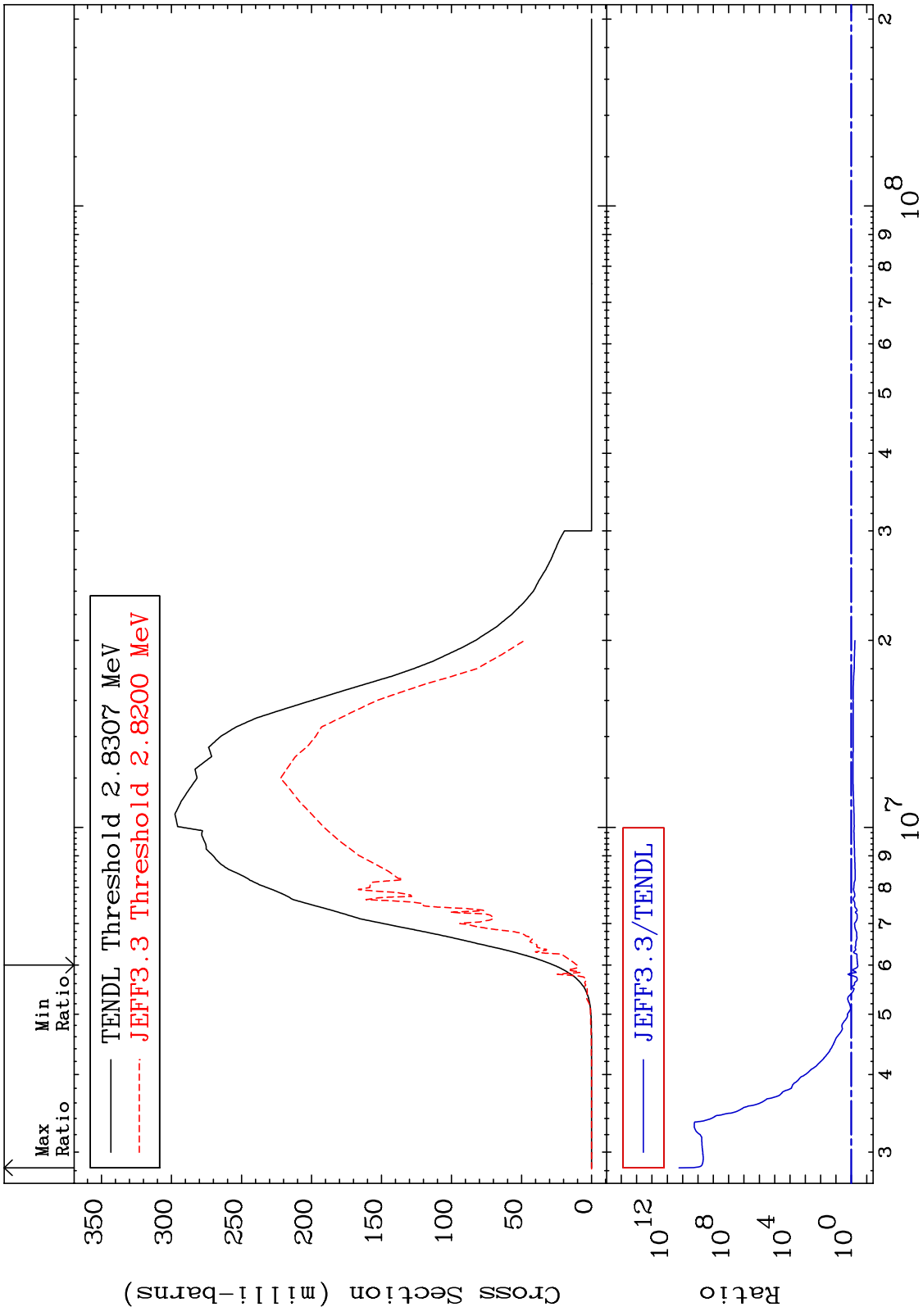


14-Si-28

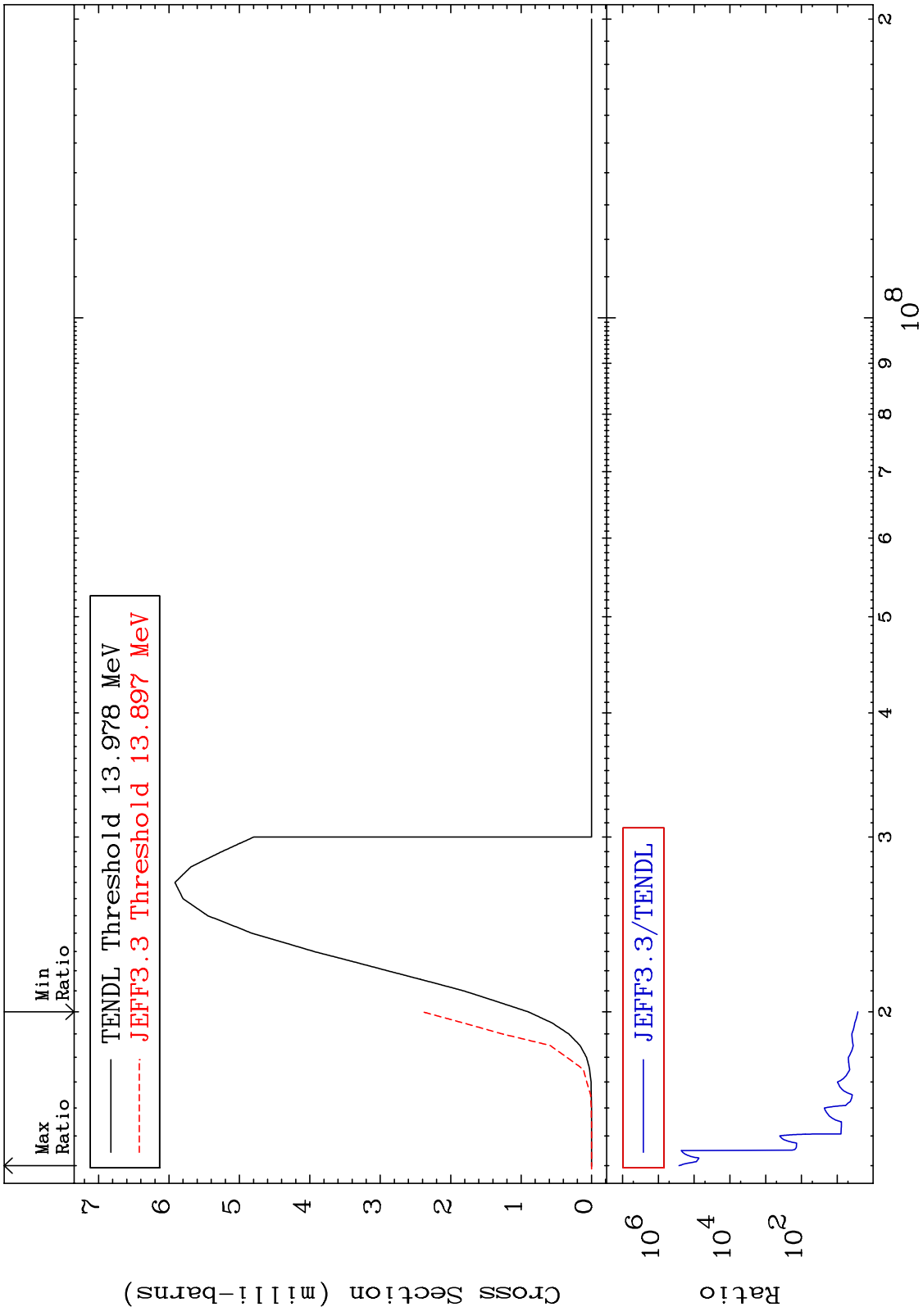




MAT 1425 14-Si-28  
-62.44 To 9999. %  
 (n,α)  
 Cross Section

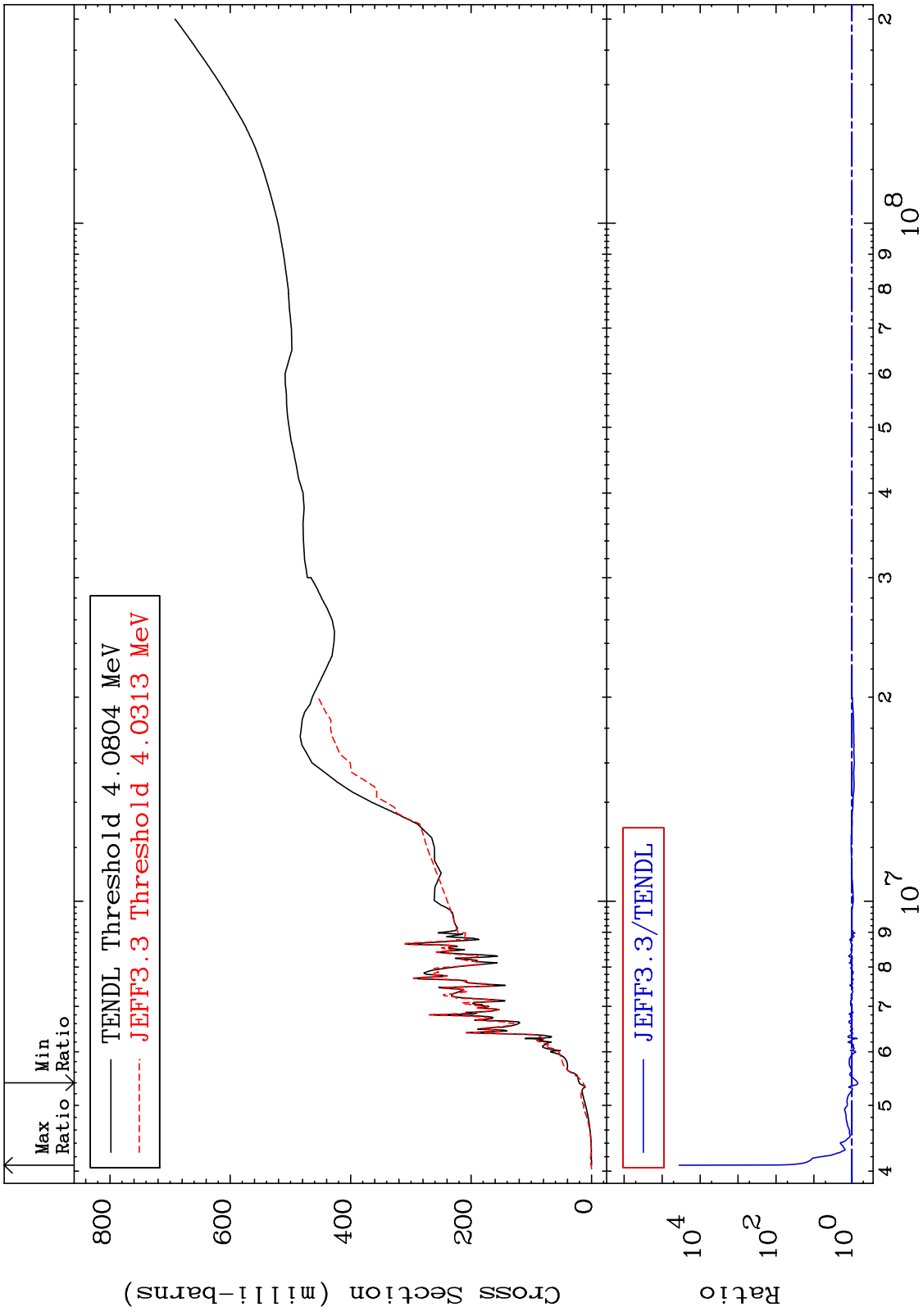


MAT 1425 (n,2p) Cross Section 14-Si-28  
 166.4 To 9999. %



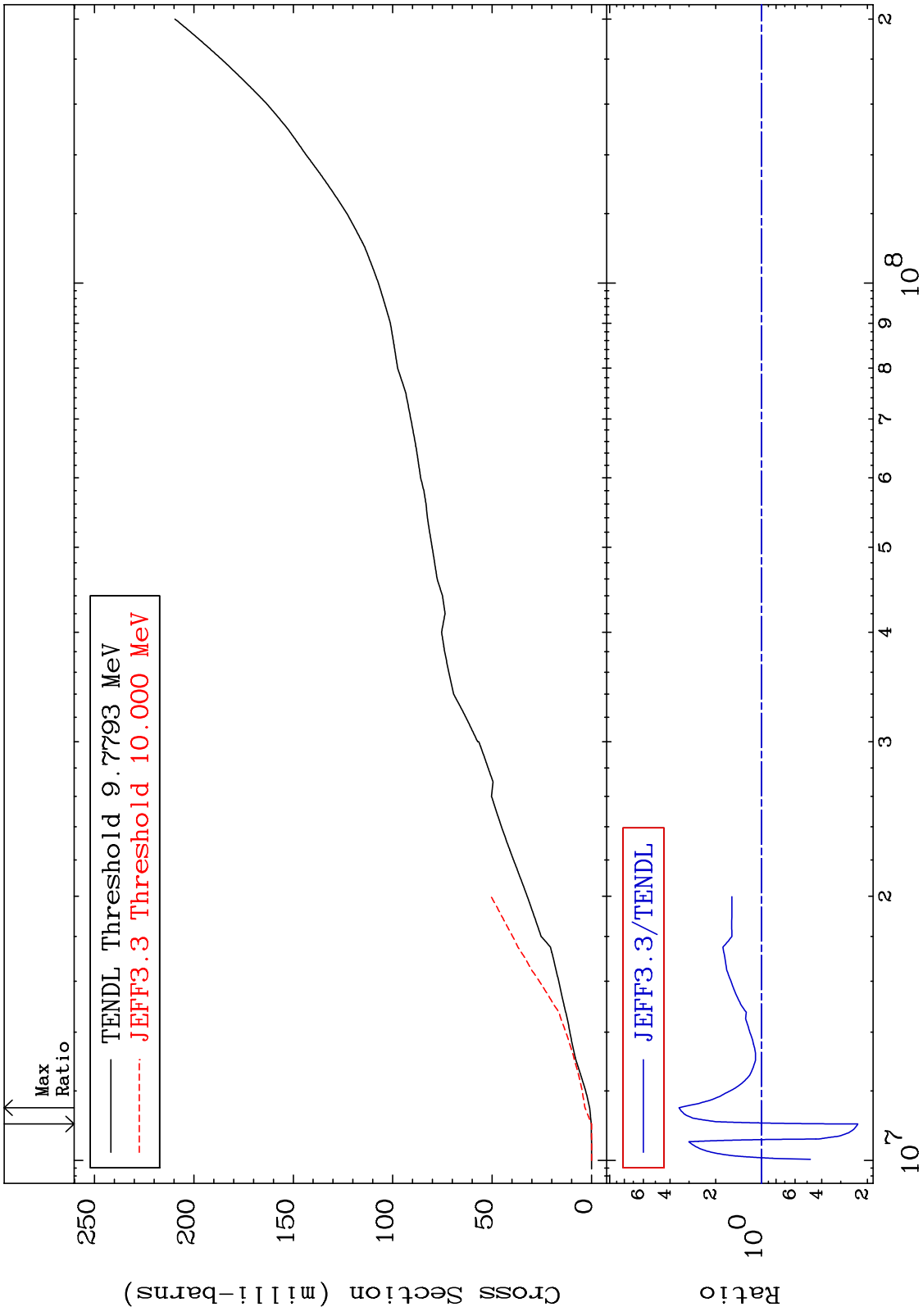


MAT 1425 Hydrogen Production Cross Section 14-Si-28  
 -30.22 To 9999. %



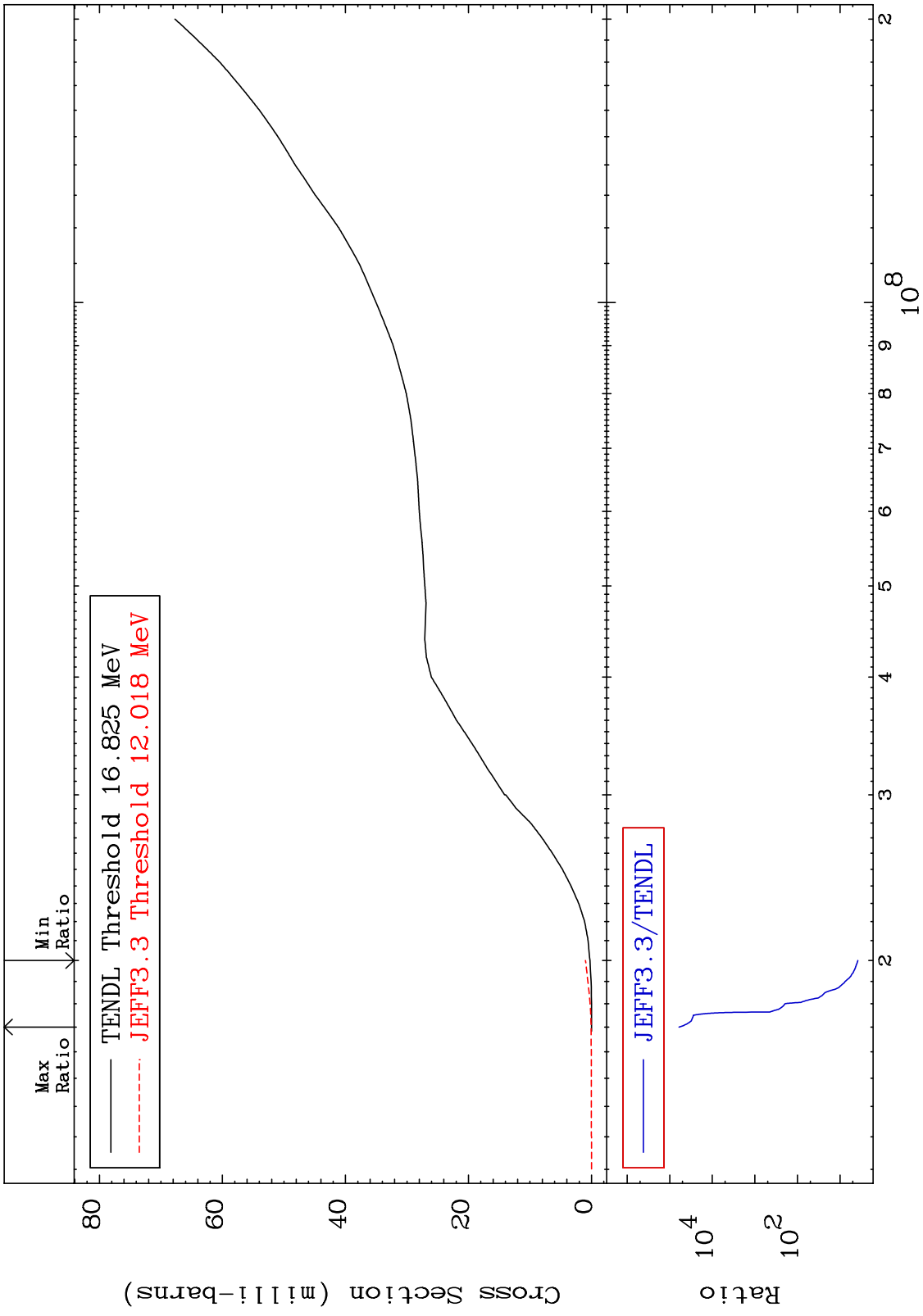
32 Incident Energy (eV) 14-Si-28

MAT 1425 Deuterium Production Cross Section 14-Si-28  
 -76.89 To 249.0 %



33 14-Si-28

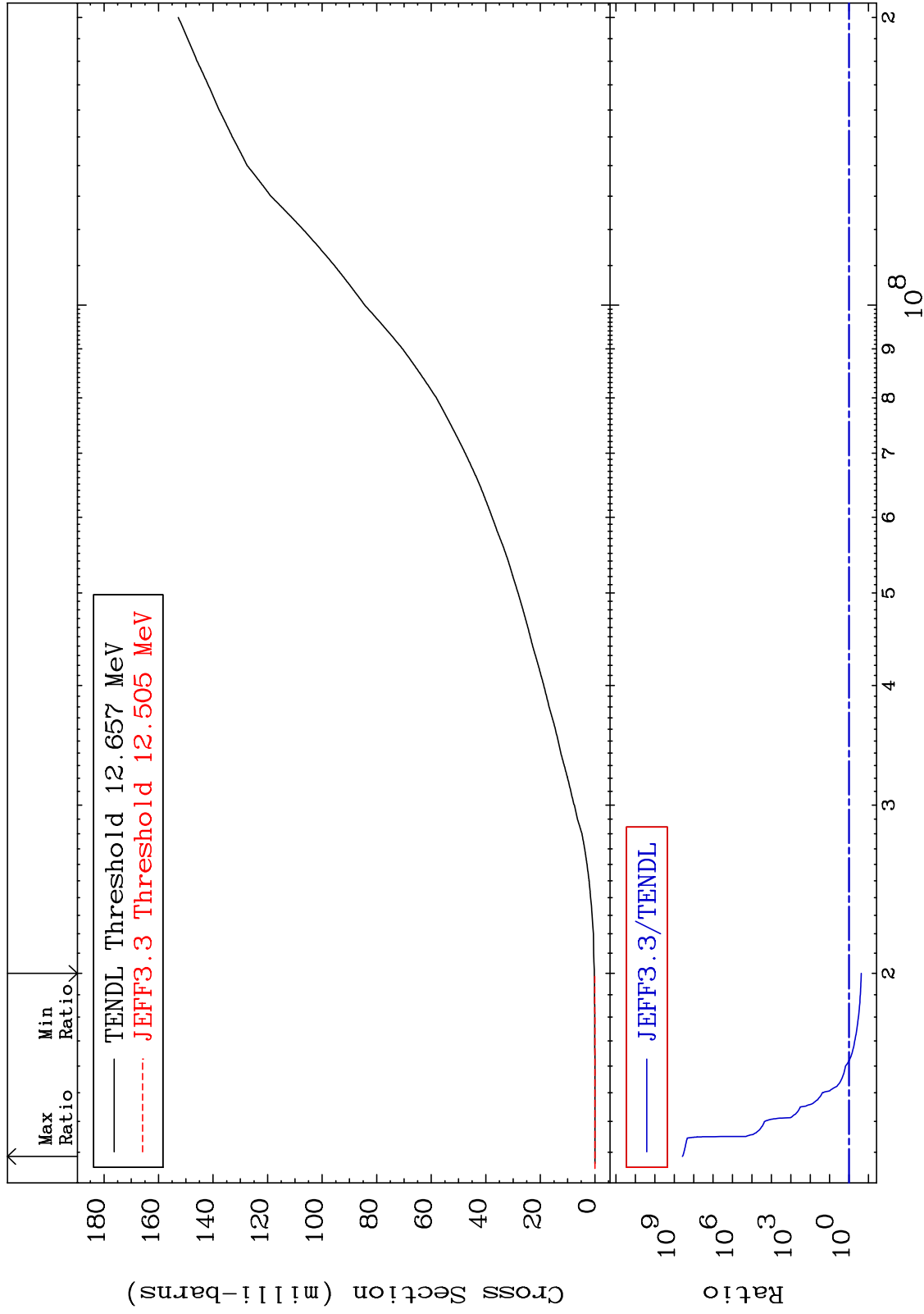
MAT 1425 Tritium Production Cross Section 14-Si-28 281.8 To 9999. %



MAT 1425

He-3 Production  
Cross Section

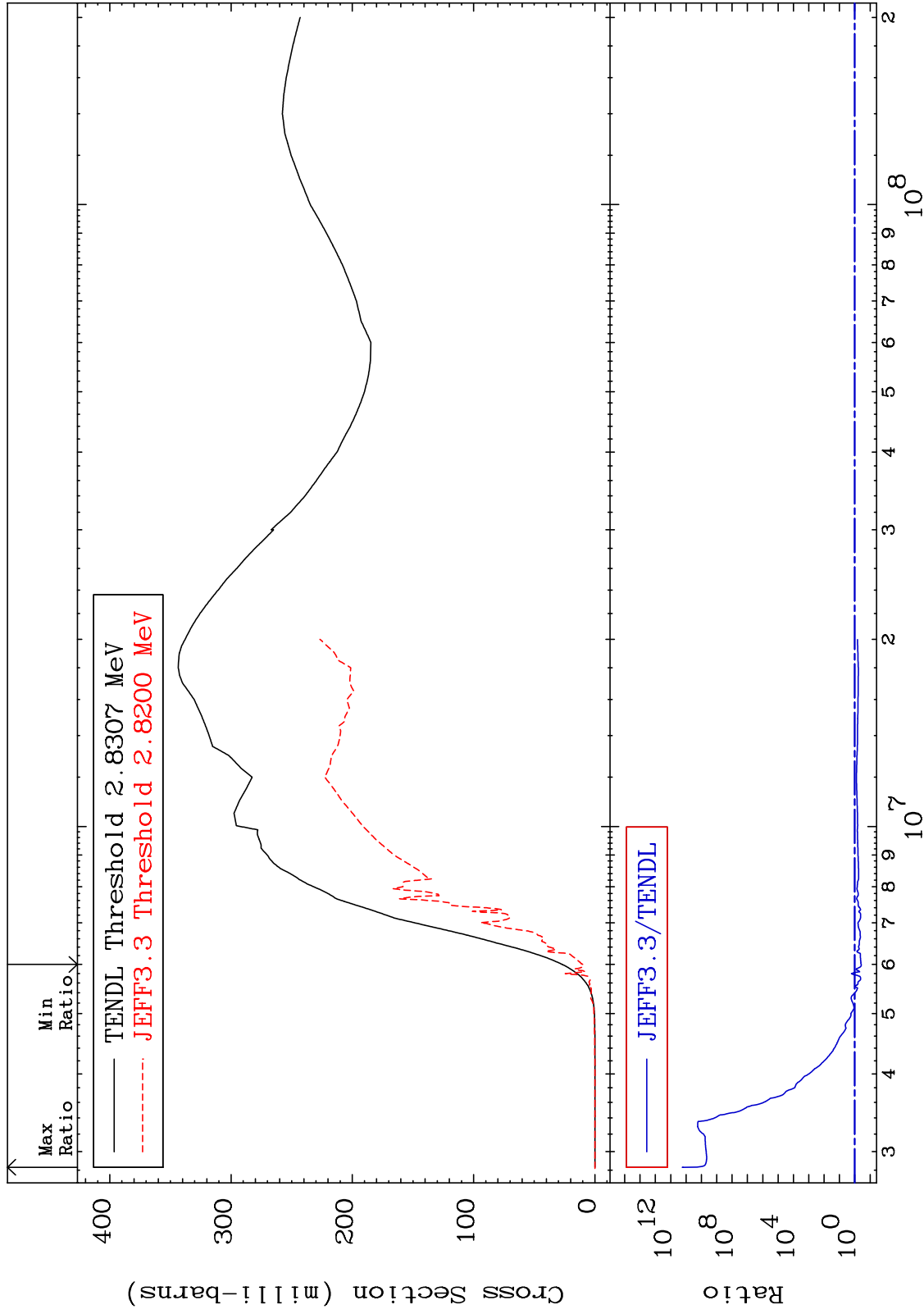
14-Si-28  
-76.57 To 9999. %



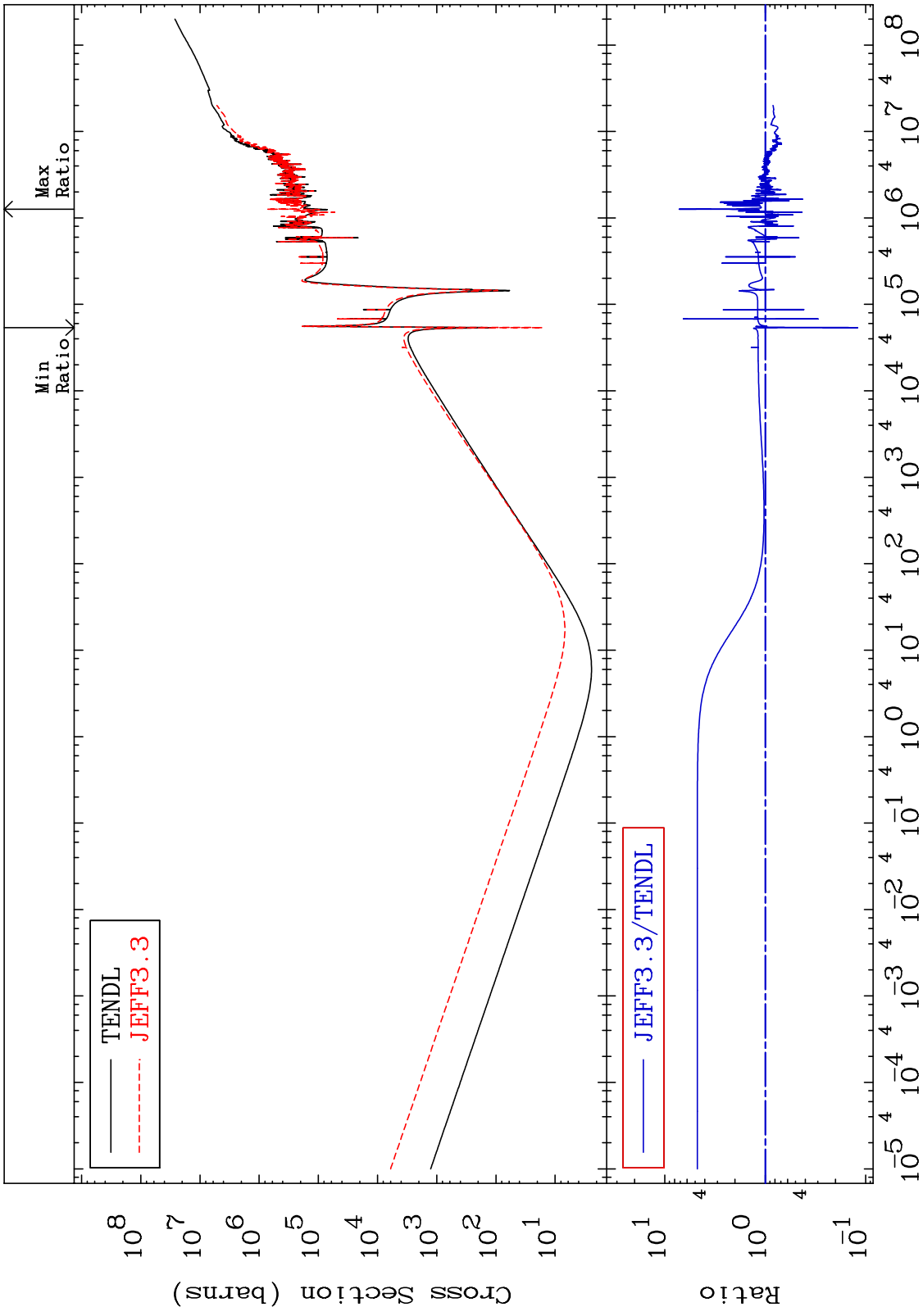
MAT 1425

He-4 Production  
Cross Section

14-Si-28  
-62.44 To 9999. %



MAT 1425      Kerma total (eV-barns)      14-Si-28  
 Cross Section      -88.01 To 621.8 %

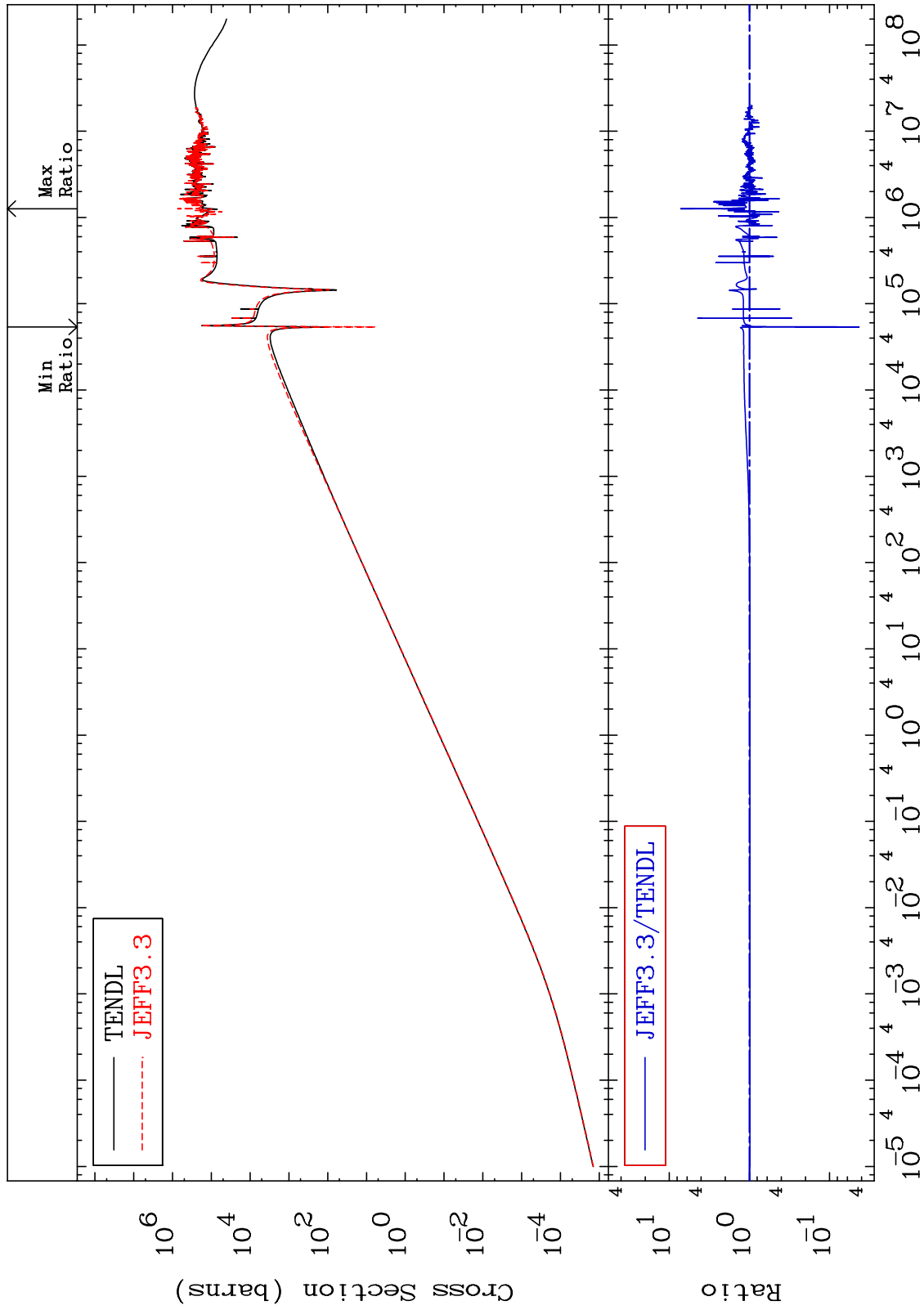


Incident Energy (eV)      14-Si-28

MAT 1425

Kerma elastic  
Cross Section

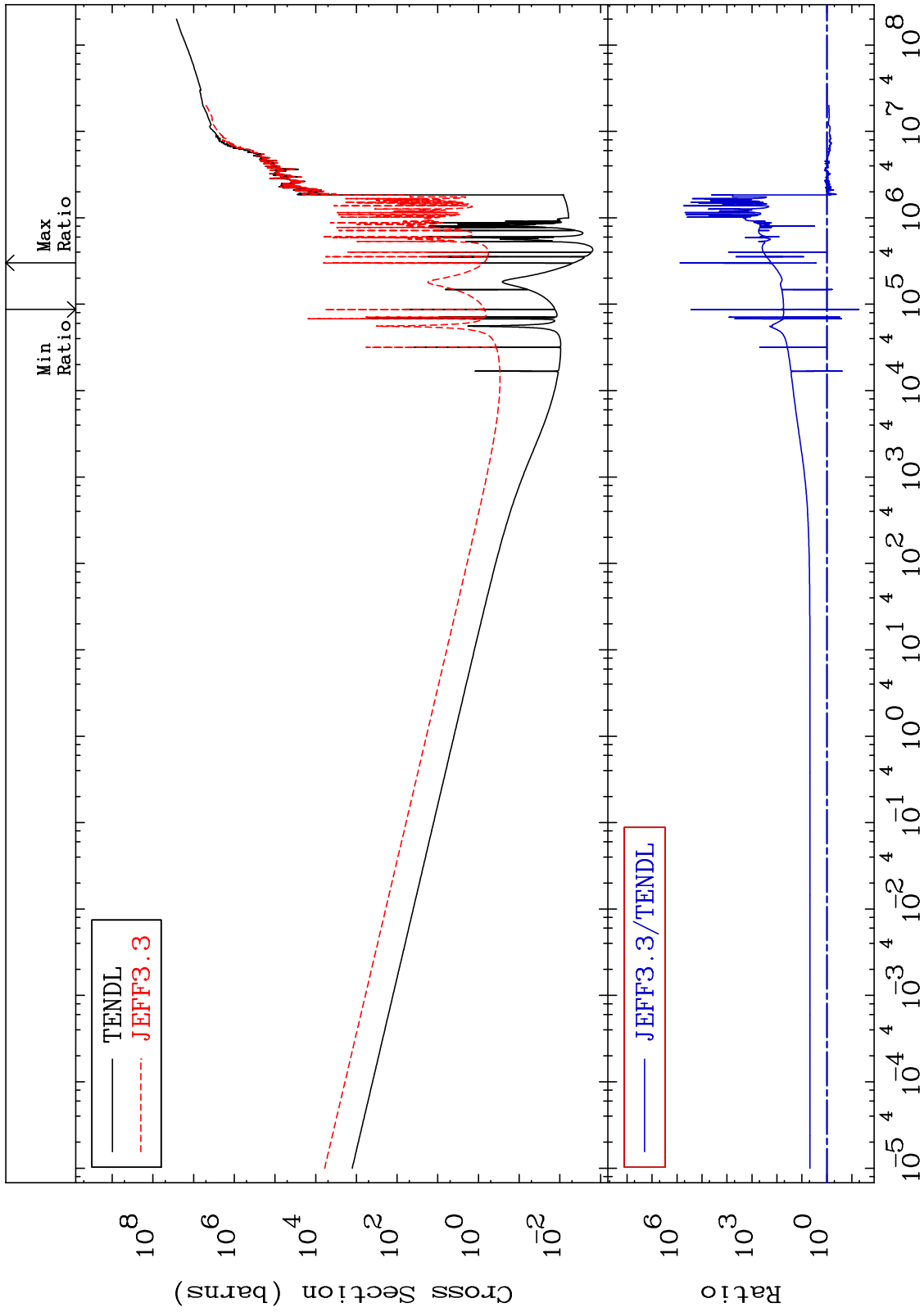
14-Si-28  
-95.70 To 621.4 %



MAT 1425

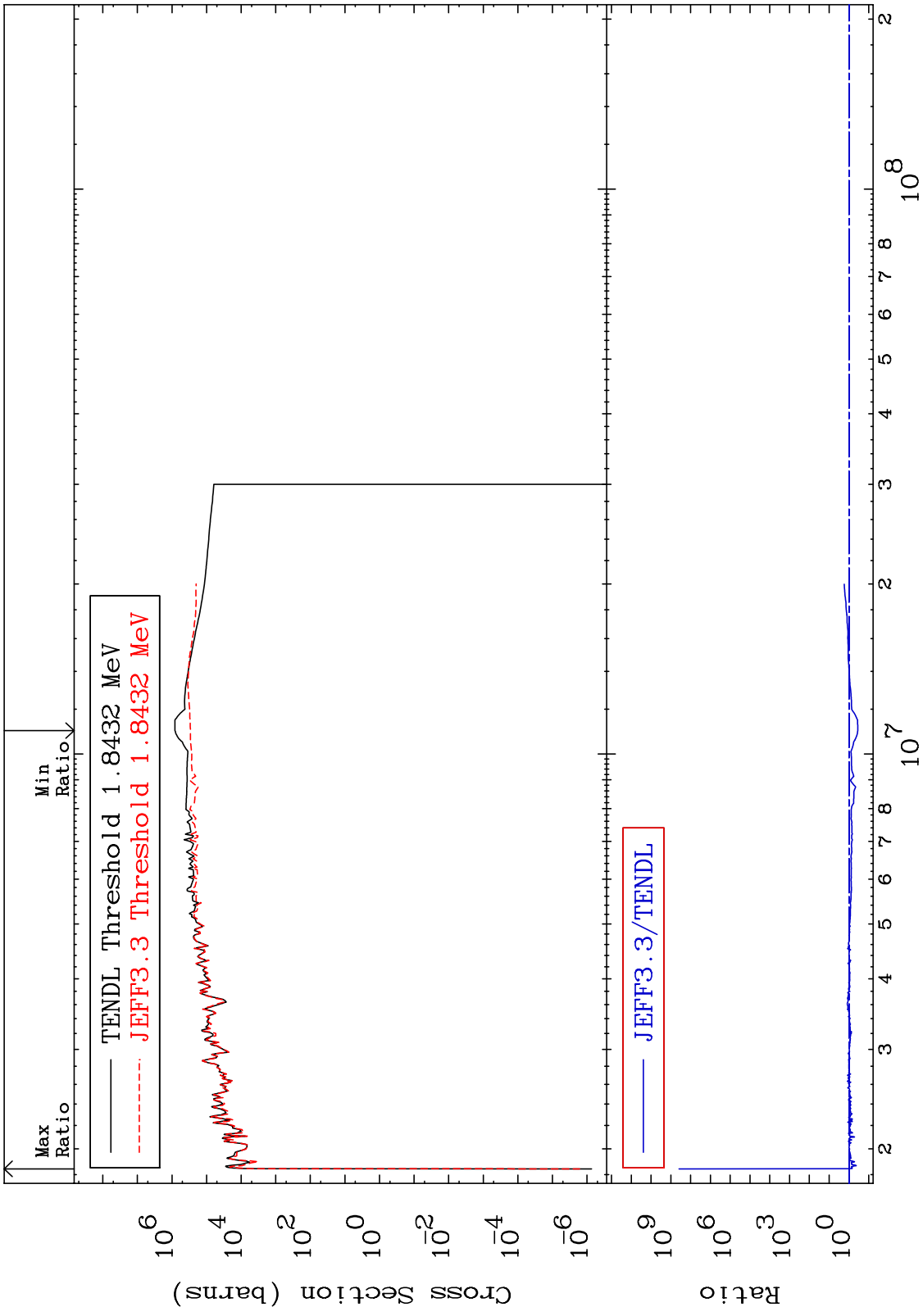
Kerma non-elastic (all but mt2)  
Cross Section

14-Si-28  
-94.78 To 9999. %





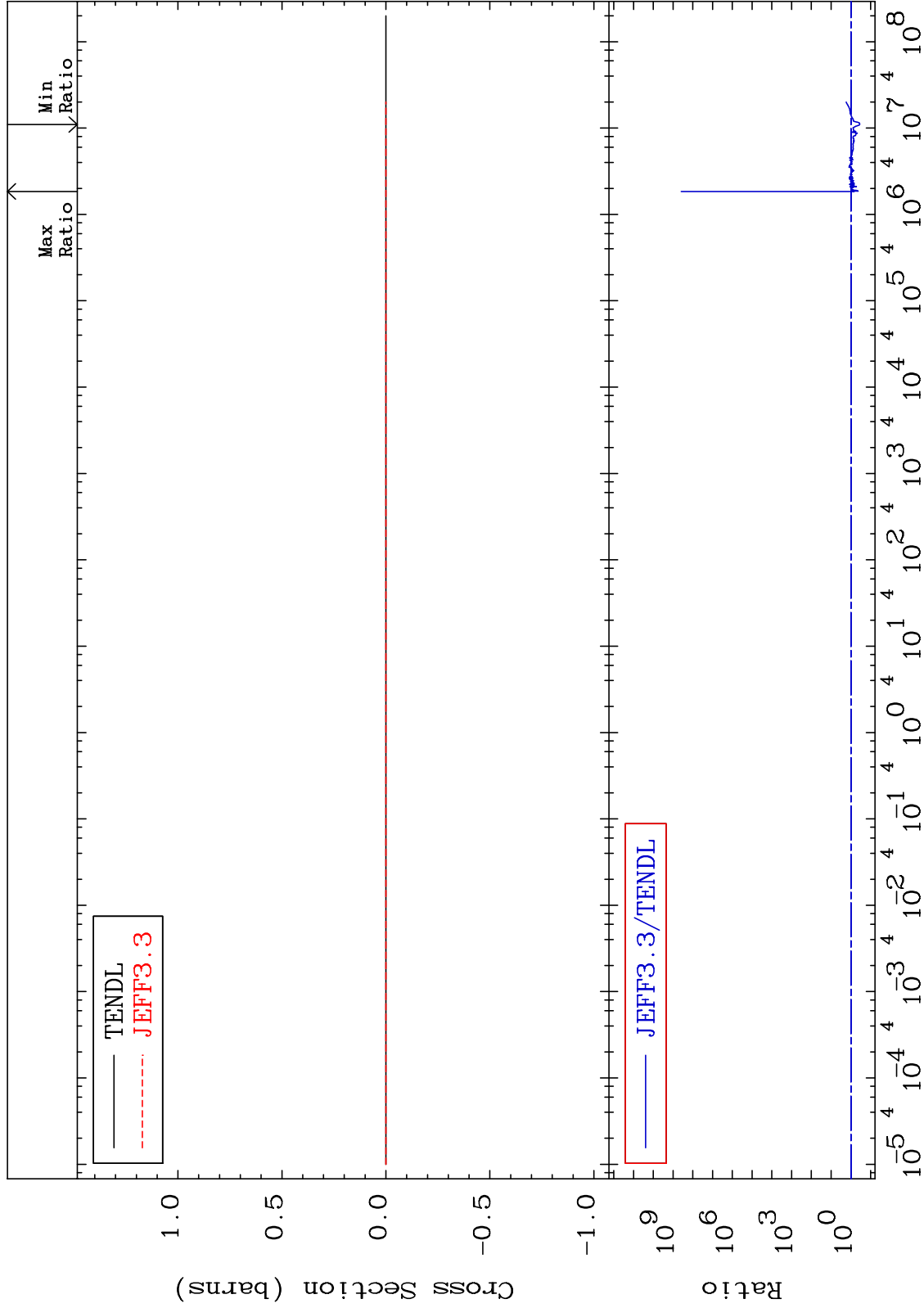
MAT 1425 Kerma inelastic (mt51-91) 14-Si-28  
 Cross Section -64.47 To 9999. %



MAT 1425

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

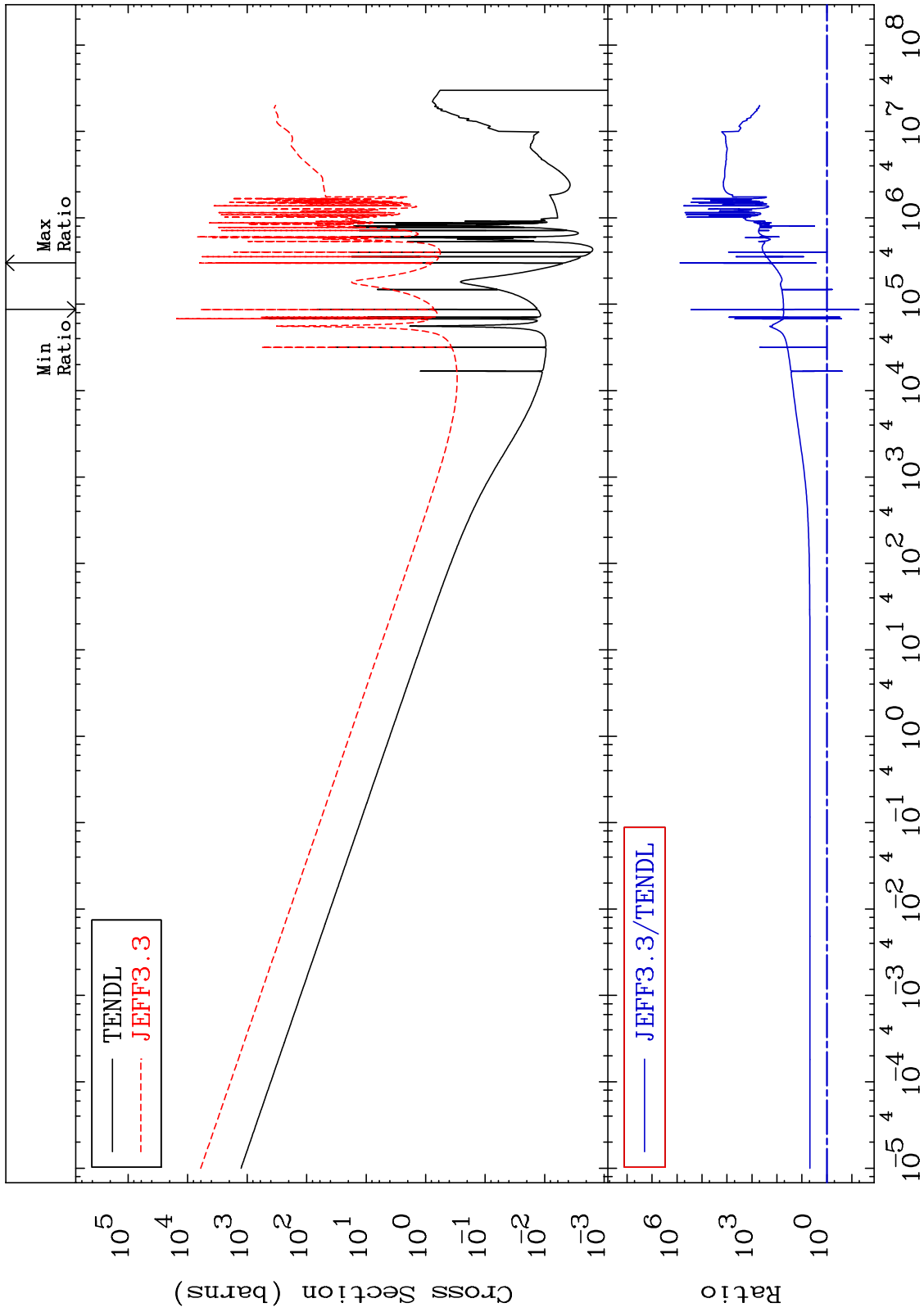
14-Si-28  
-64.47 To 9999. %



MAT 1425

Kerma capture (mt102)  
Cross Section

14-Si-28  
-94.78 To 9999. %



42

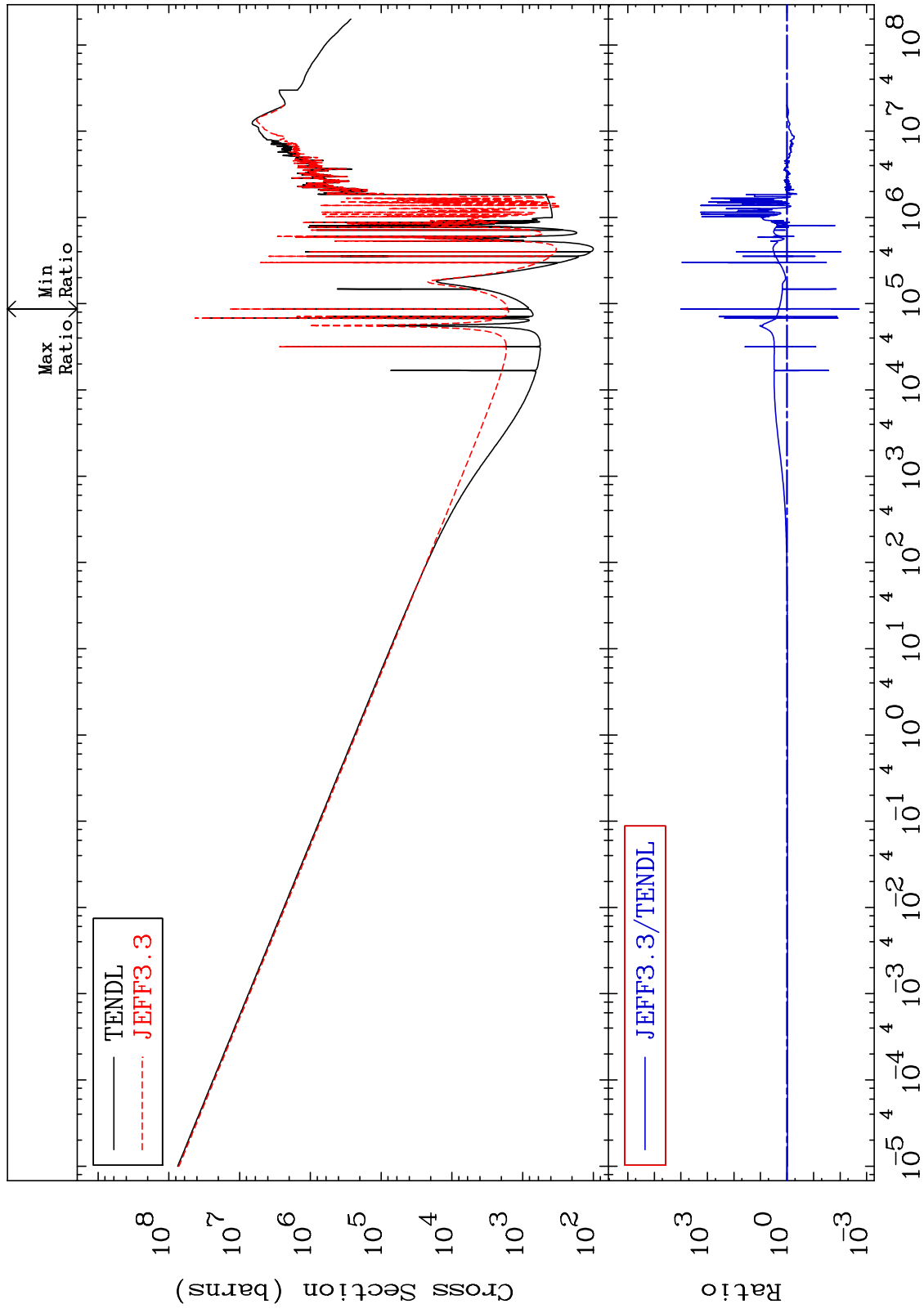
Incident Energy (eV)

14-Si-28

MAT 1425

Total photon (eV-barns)  
Cross Section

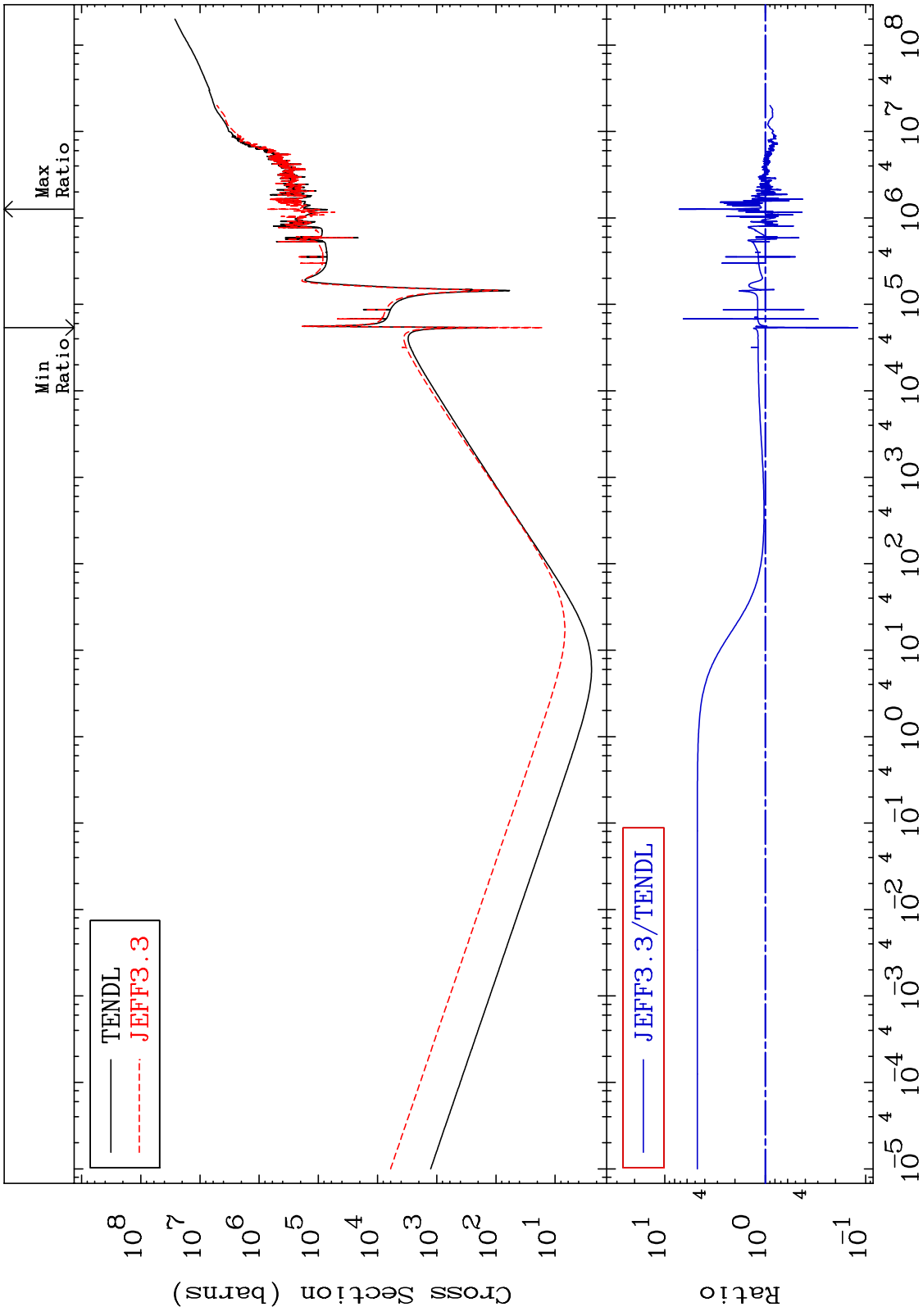
14-Si-28  
-99.81 To 9999. %



43

14-Si-28

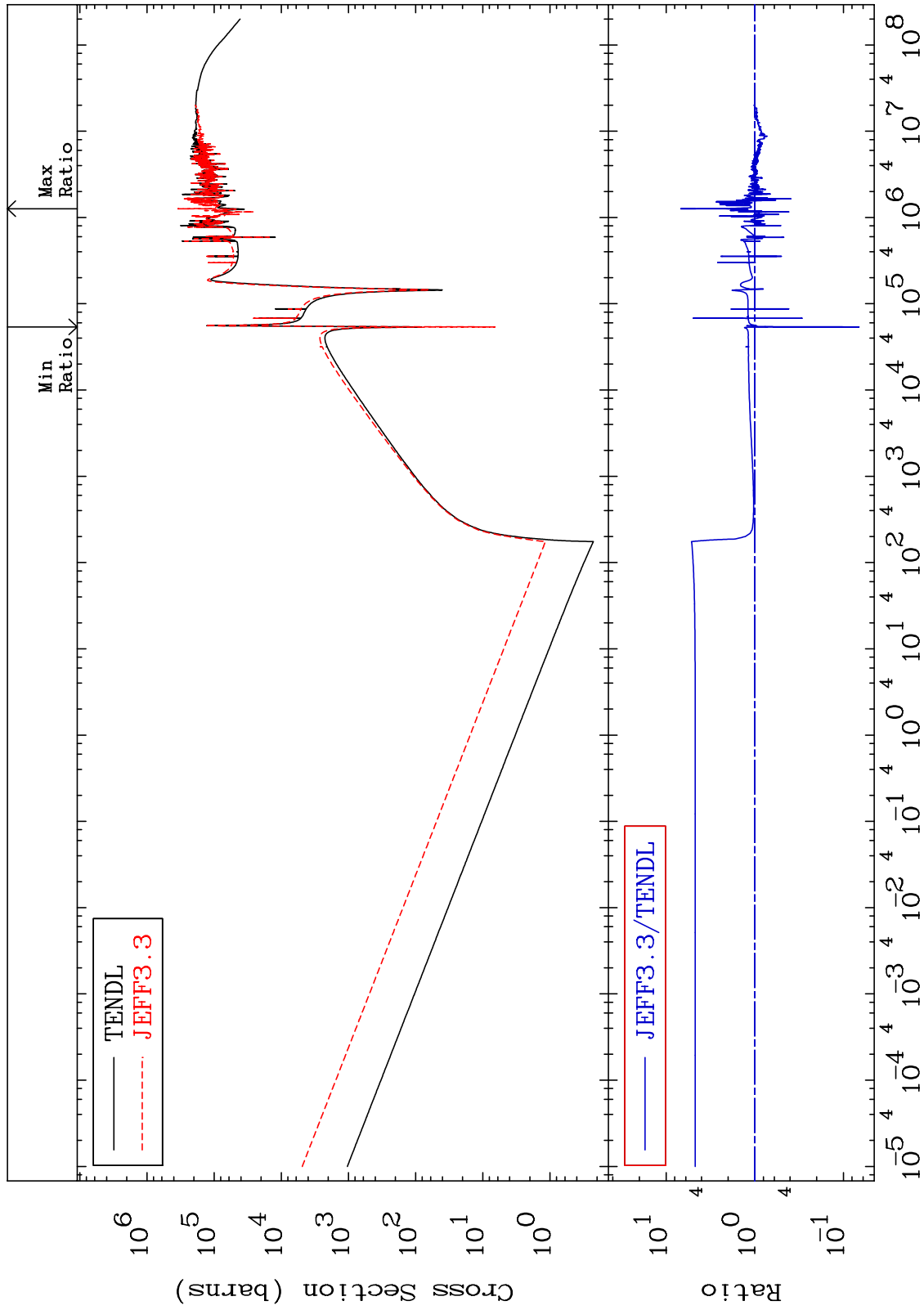
MAT 1425      Total kinematic kerma (high limit)      14-Si-28  
 Cross Section      -88.01 To 621.8 %



MAT 1425

Dpa total (eV-barns)  
Cross Section

14-Si-28  
-93.33 To 586.1 %

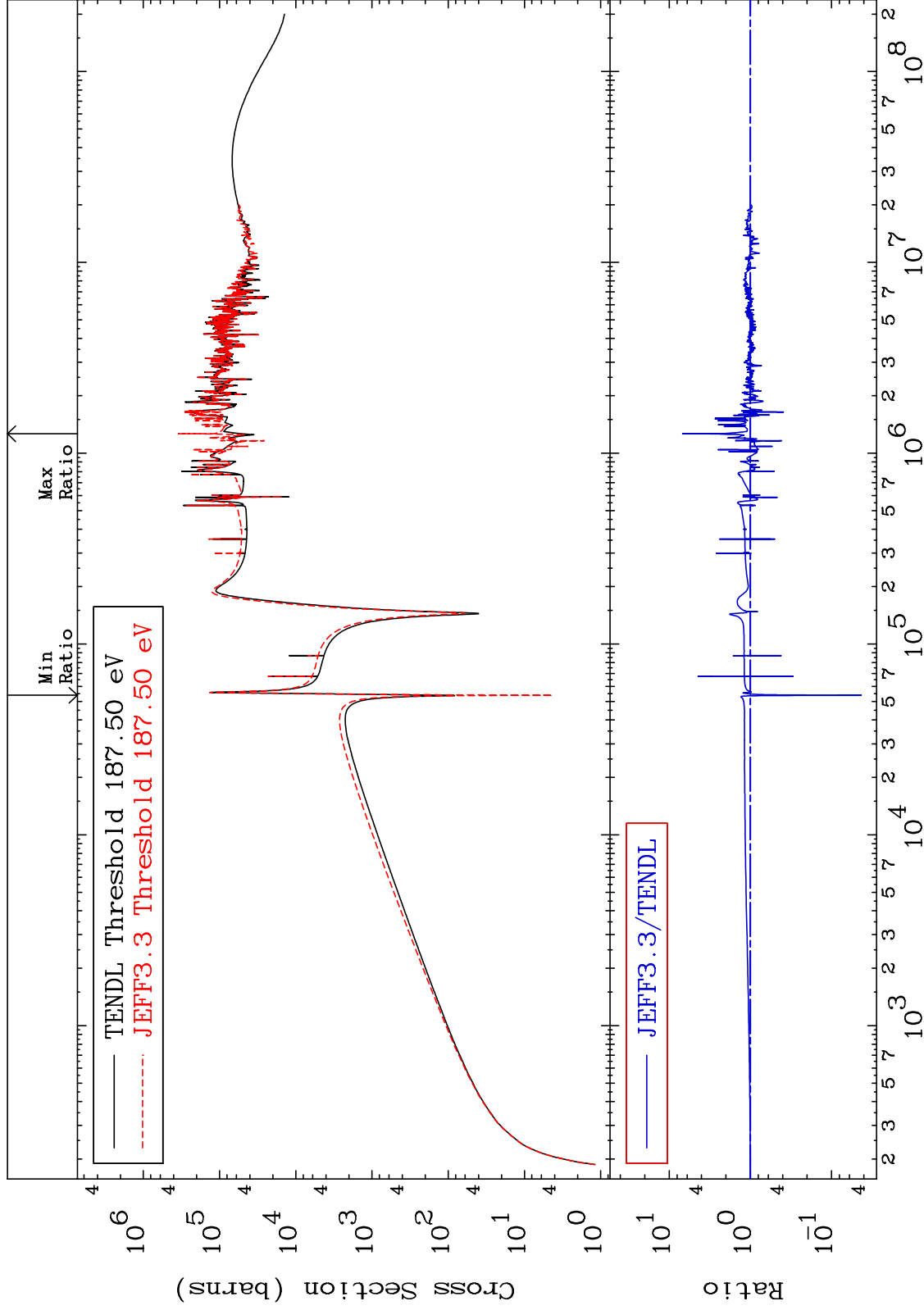


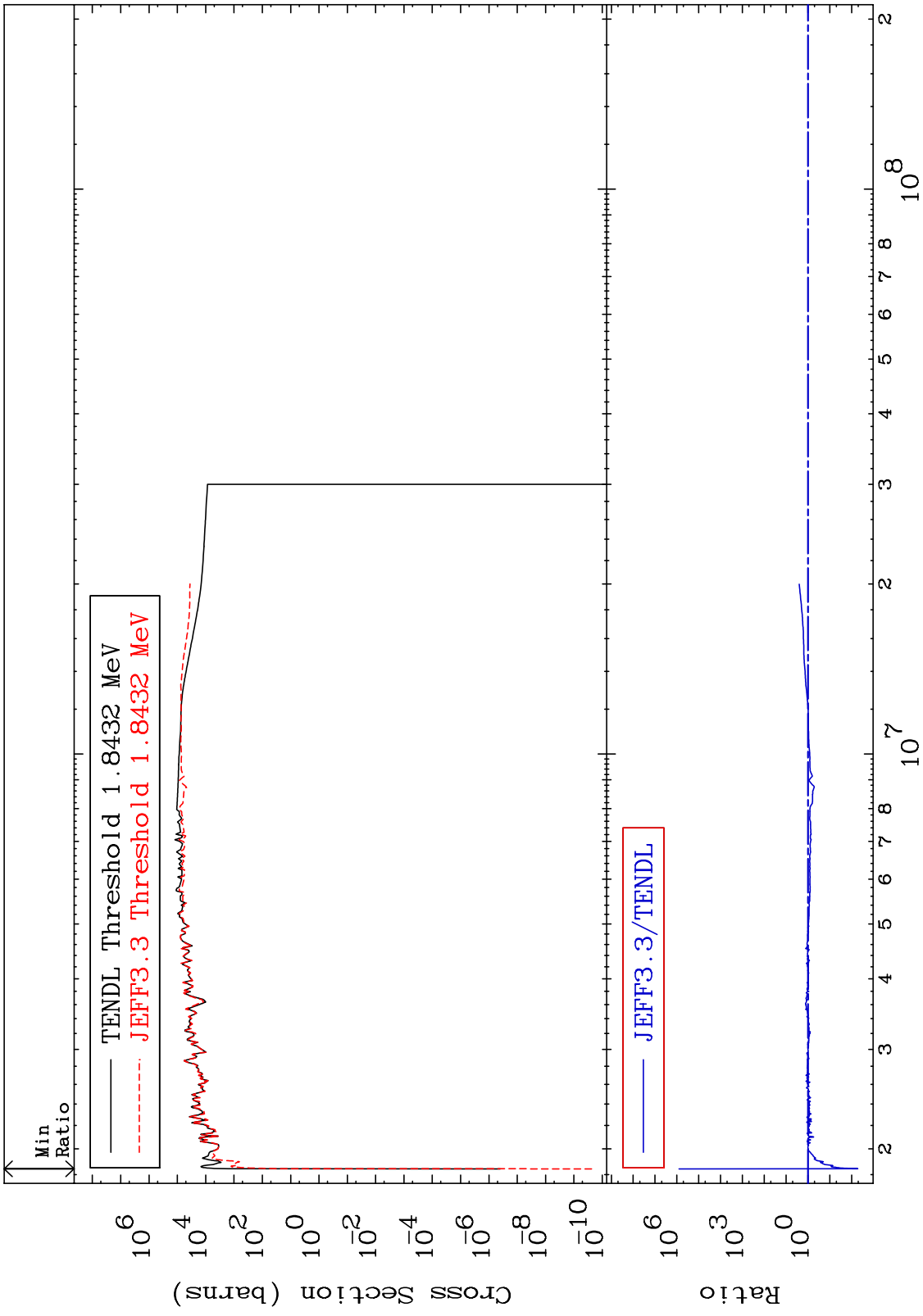
MAT 1425

Dpa elastic (mt2)  
Cross Section

14-Si-28

-95.70 To 586.1 %







MAT 1425

Dpa disappearance (mt102 -120)  
Cross Section

14-Si-28  
-99.02 To 9999. %

