

Program Complot
(Version 2018-1)

by

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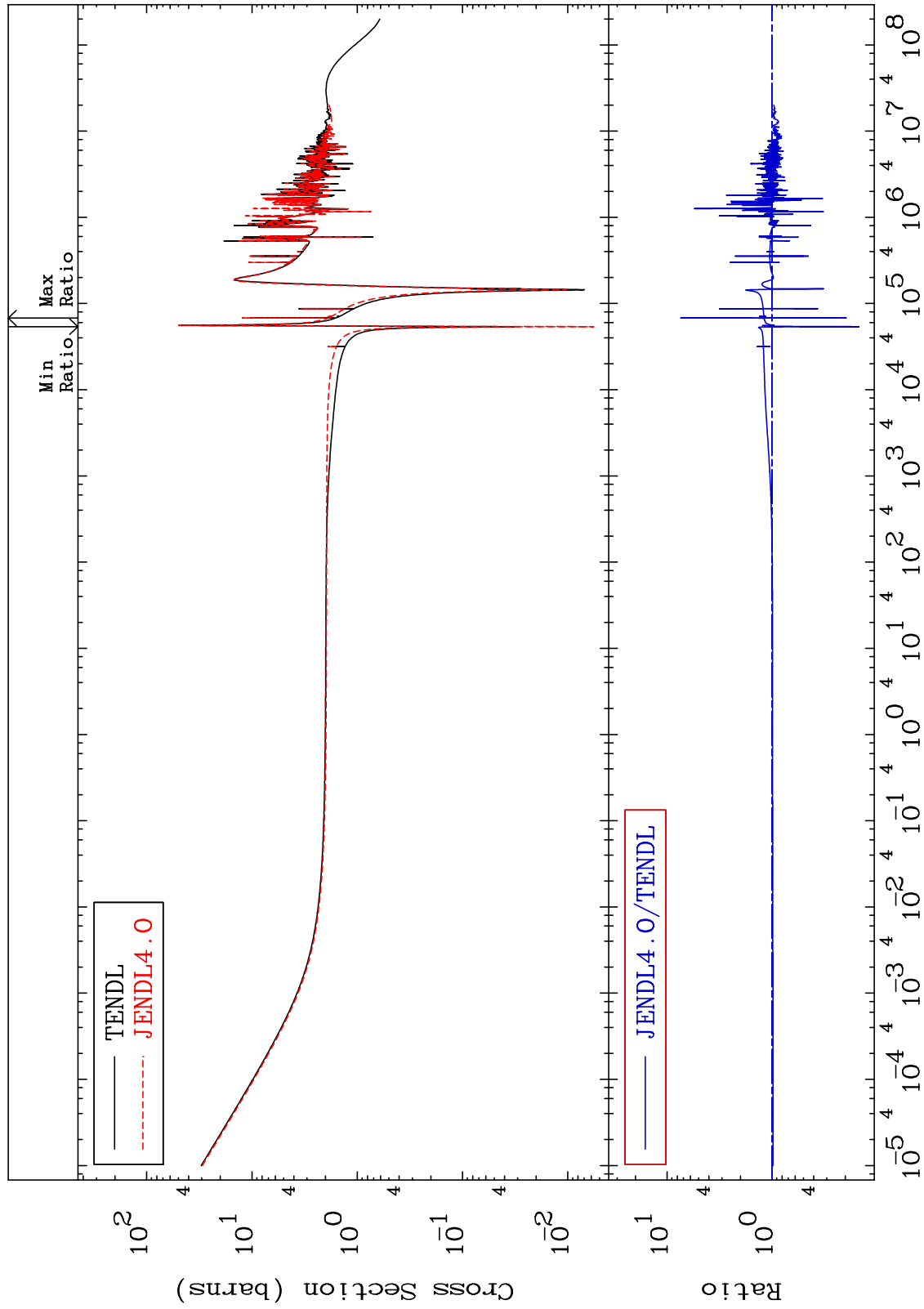
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1425

Total
Cross Section

14-Si-28
-85.24 To 639.6 %

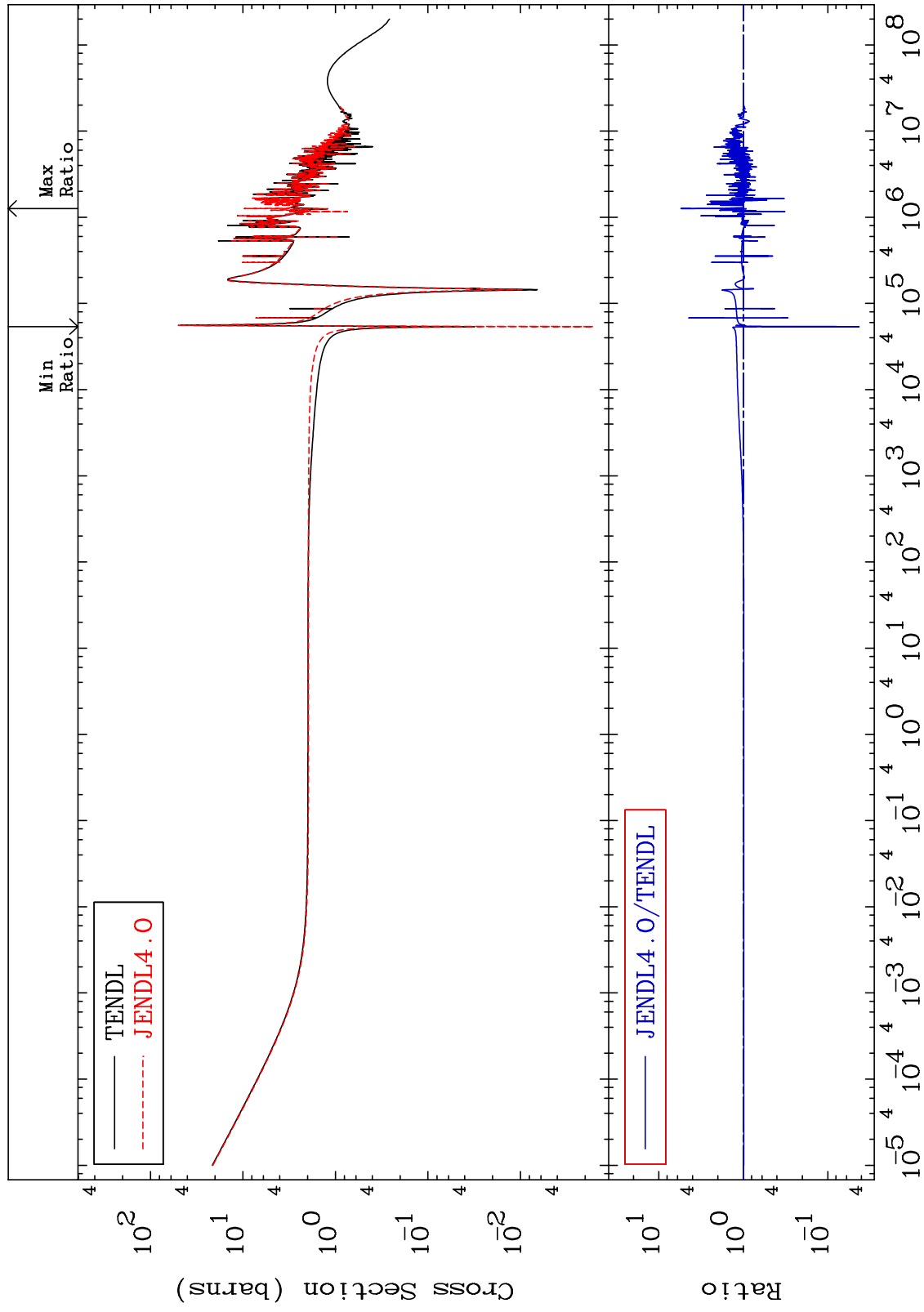


1

Incident Energy (eV)

14-Si-28

MAT 1425 Elastic Cross Section 14-Si-28 -95.73 To 449.1 %



2 14-Si-28 Incident Energy (eV)

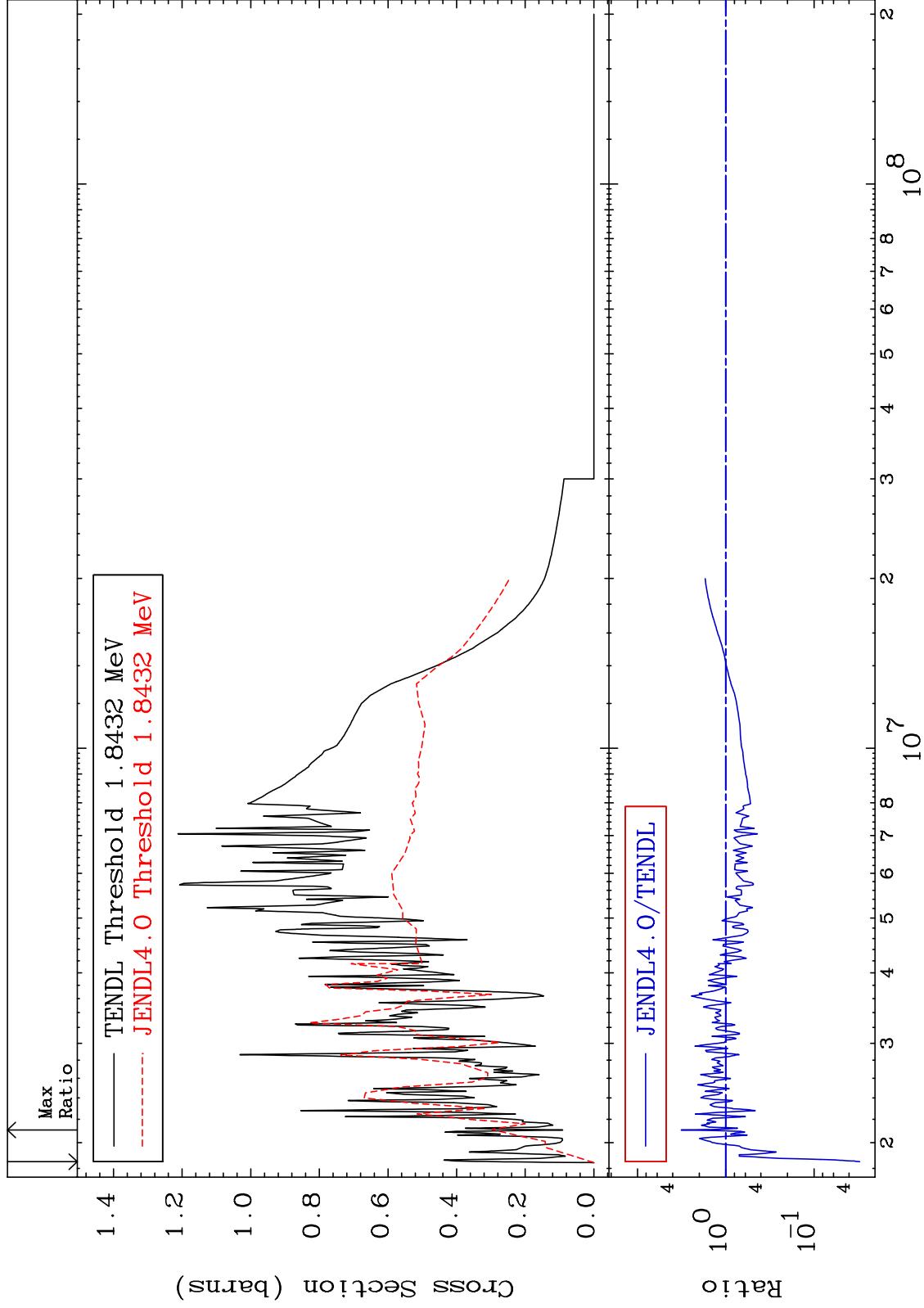
MAT 1425

Inelastic

14-Si-28

Cross Section

-96.97 To 220.0 %

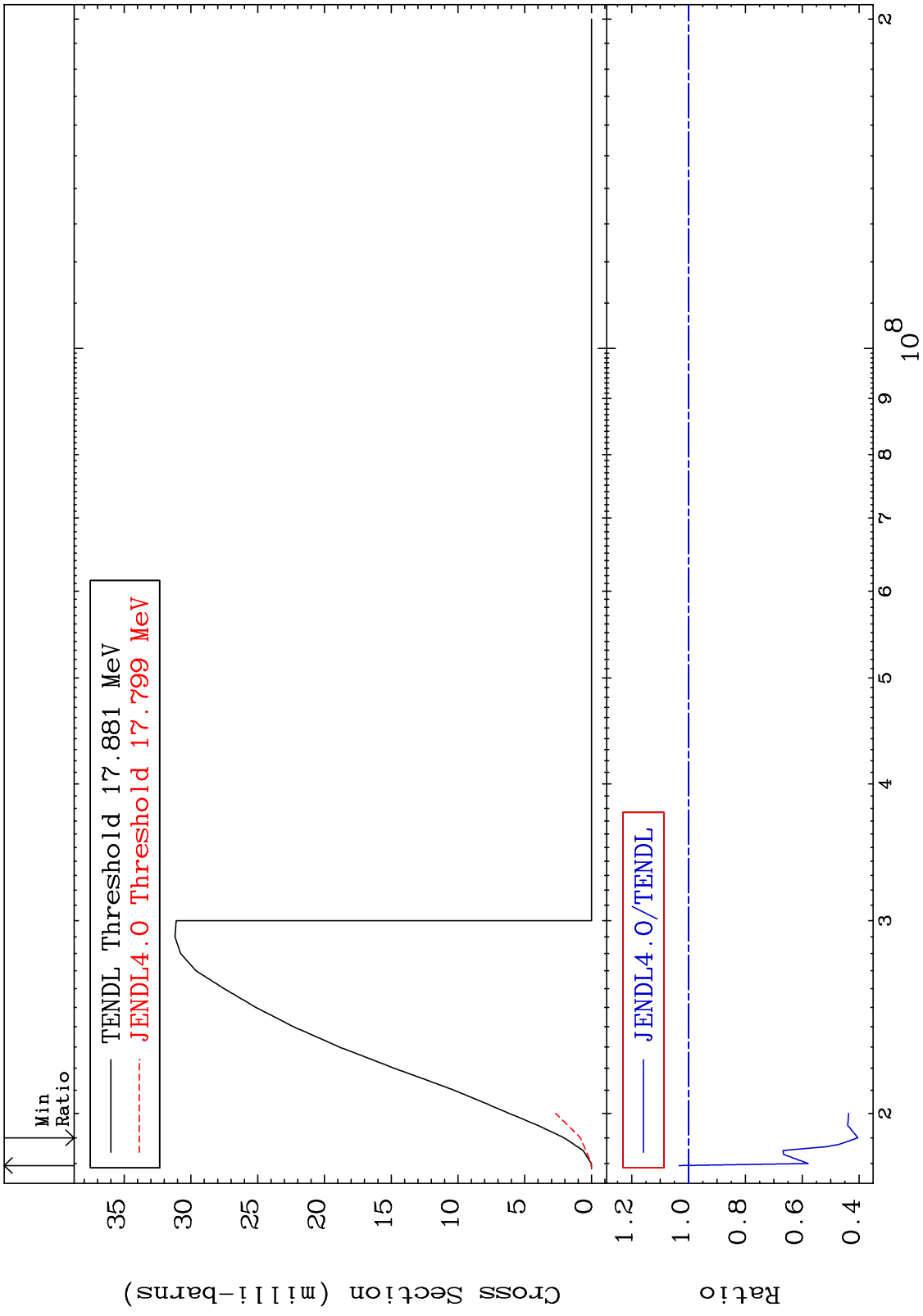


3

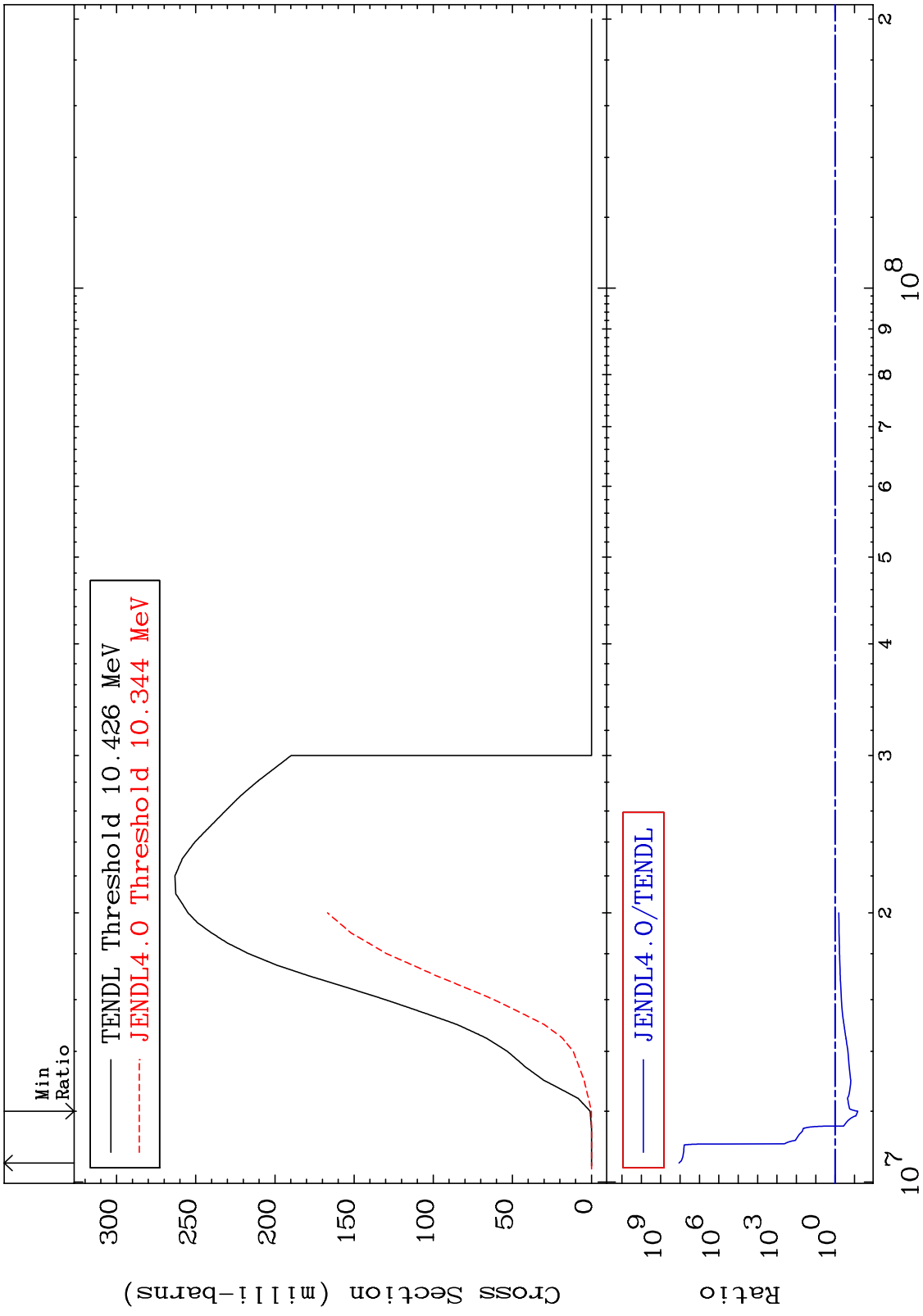
Incident Energy (eV)

14-Si-28

MAT 1425 (n,2n) Cross Section 14-Si-28
 -59.58 To 3.357 %



MAT 1425 (n,n') α 14-Si-28
Cross Section -93.25 To 9999. %



14-Si-28 Incident Energy (eV)

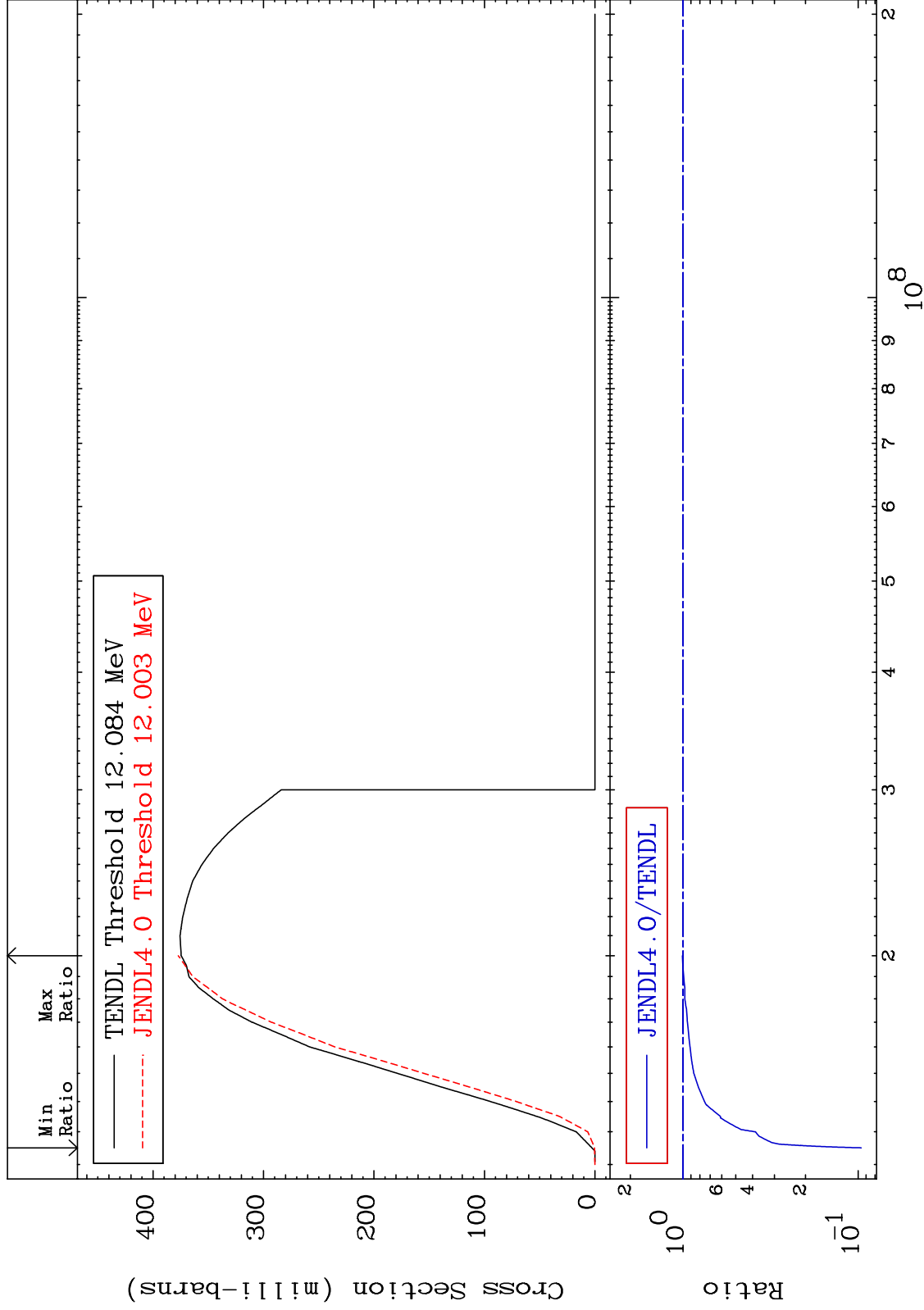
MAT 1425

(n,n') p

14-Si-28

Cross Section

-90.41 To 0.695 %

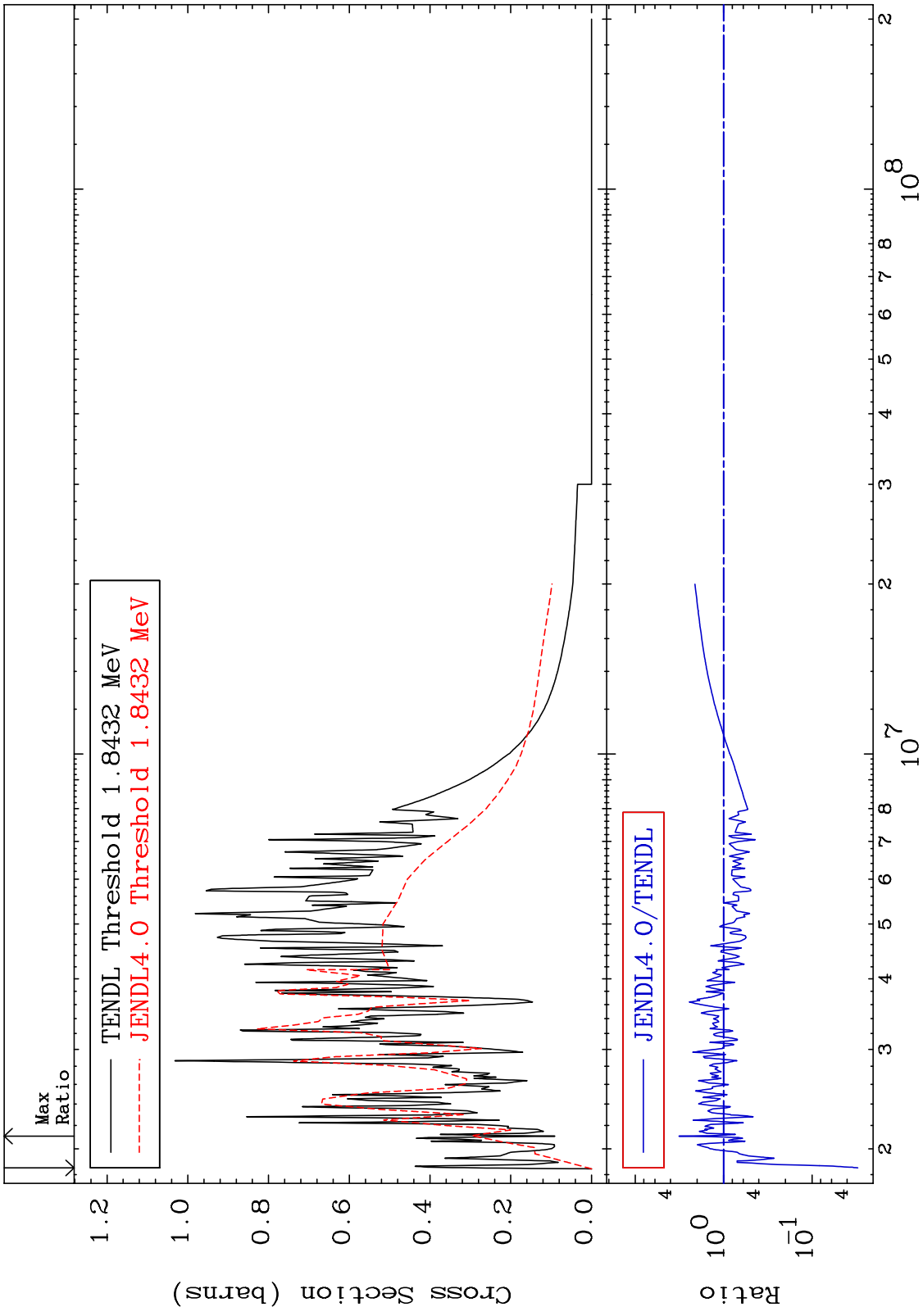


6

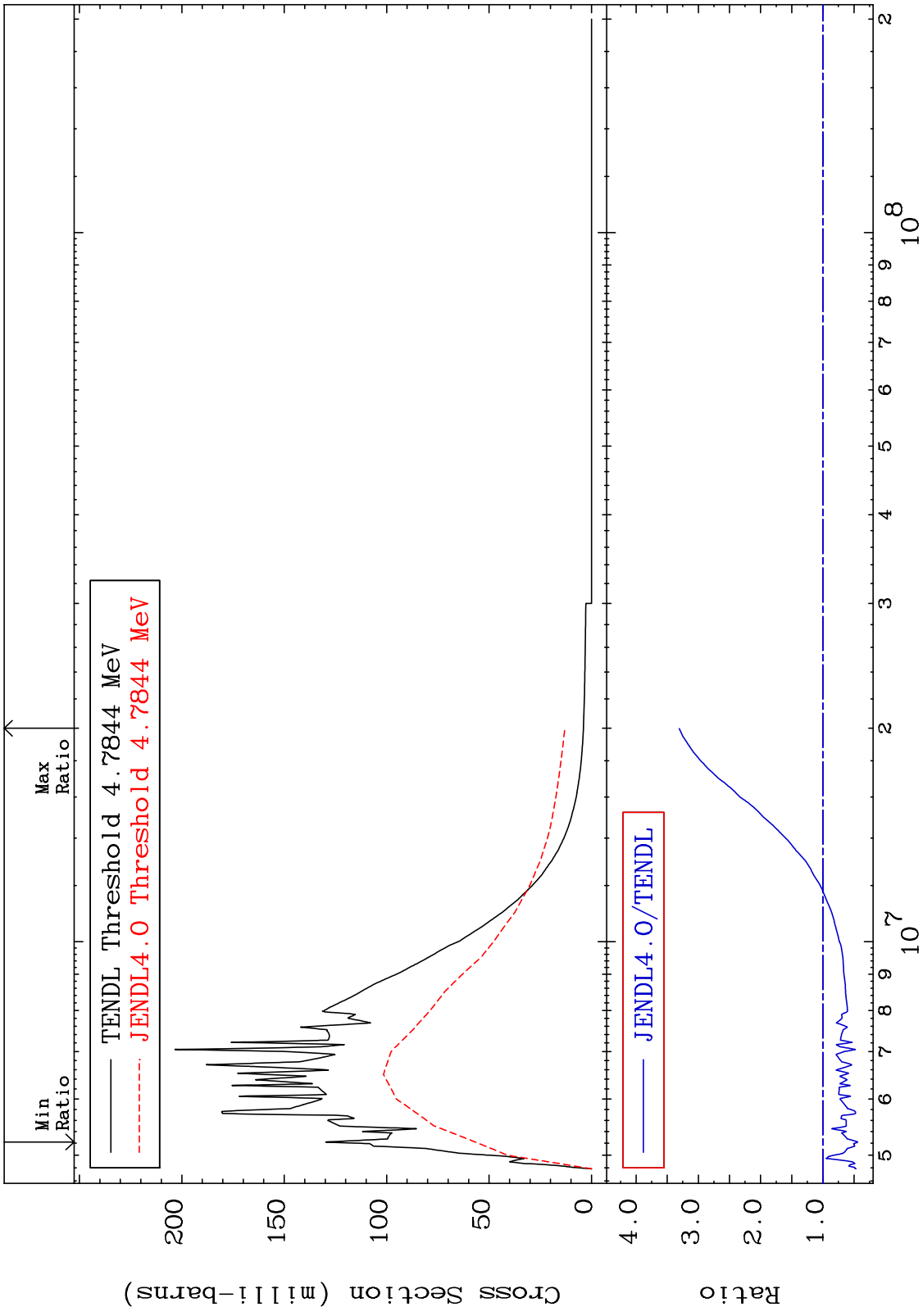
Incident Energy (eV)

14-Si-28

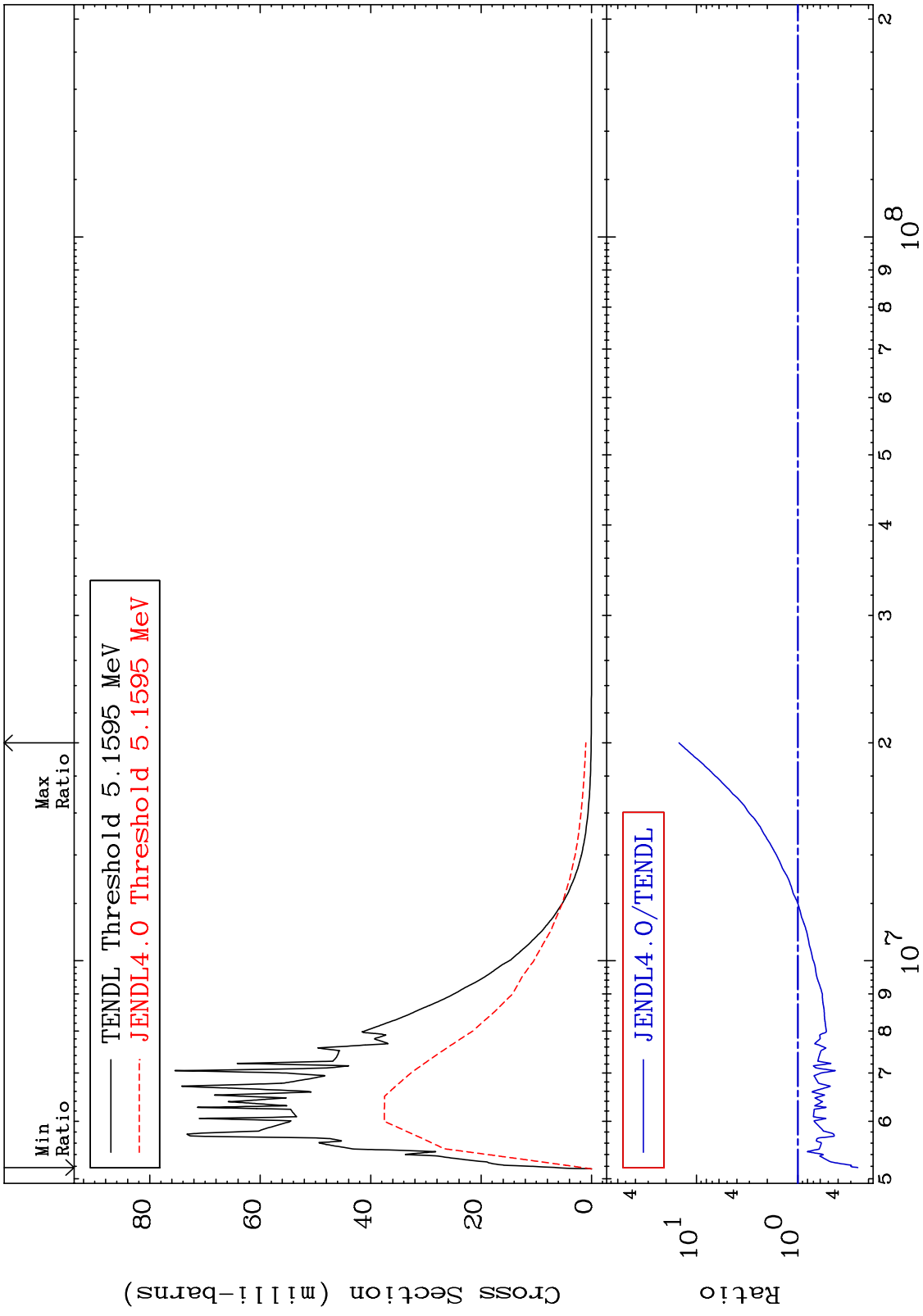
MAT 1425 MT= 51 (n,n') Level Cross Section 14-Si-28 -96.97 To 220.0 %



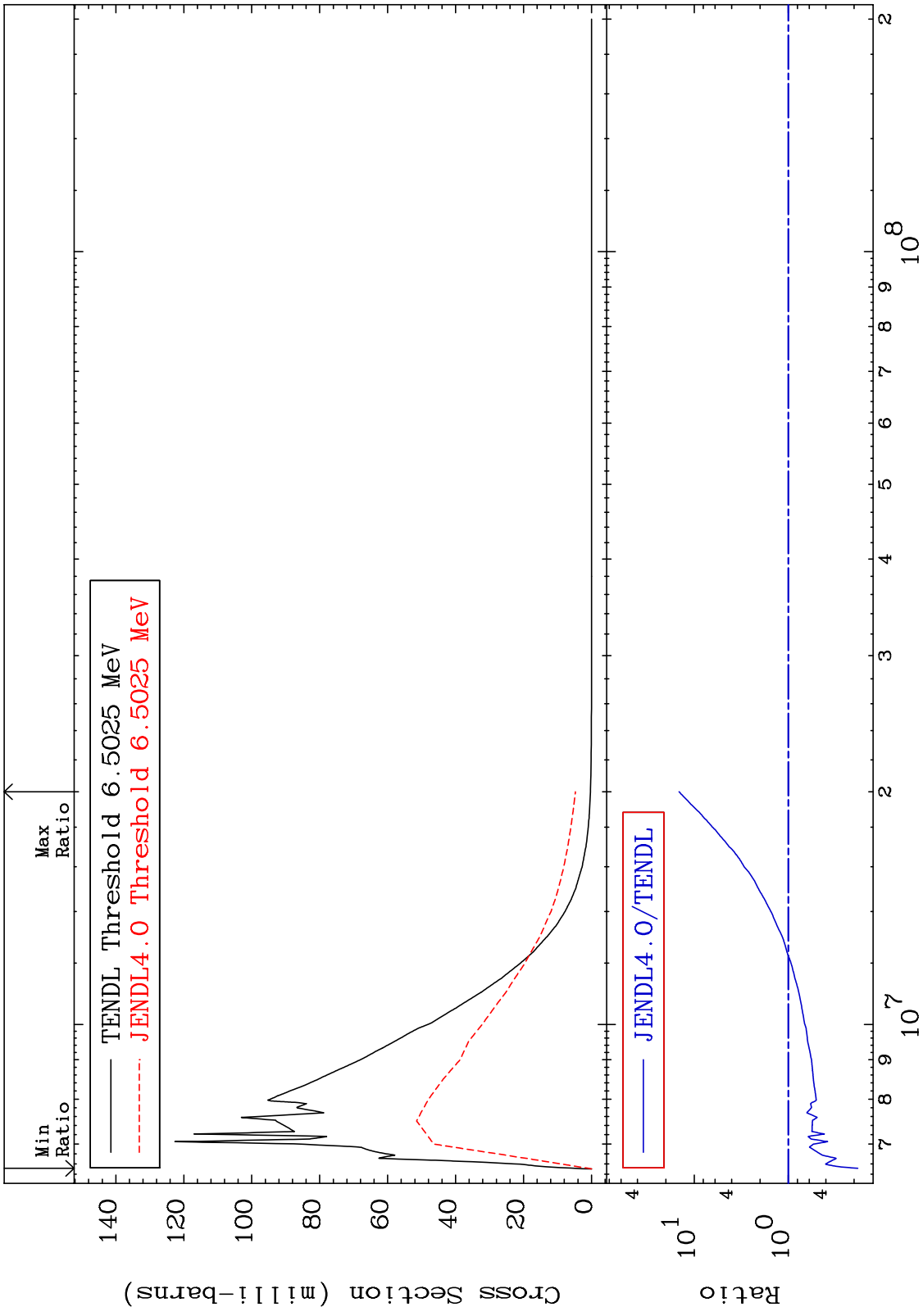
MAT 1425 MT= 52 (n,n') Level Cross Section -56.21 To 231.0 % 14-Si-28



MAT 1425 MT= 53 (n,n') Level Cross Section 14-Si-28
-74.46 To 1387. %

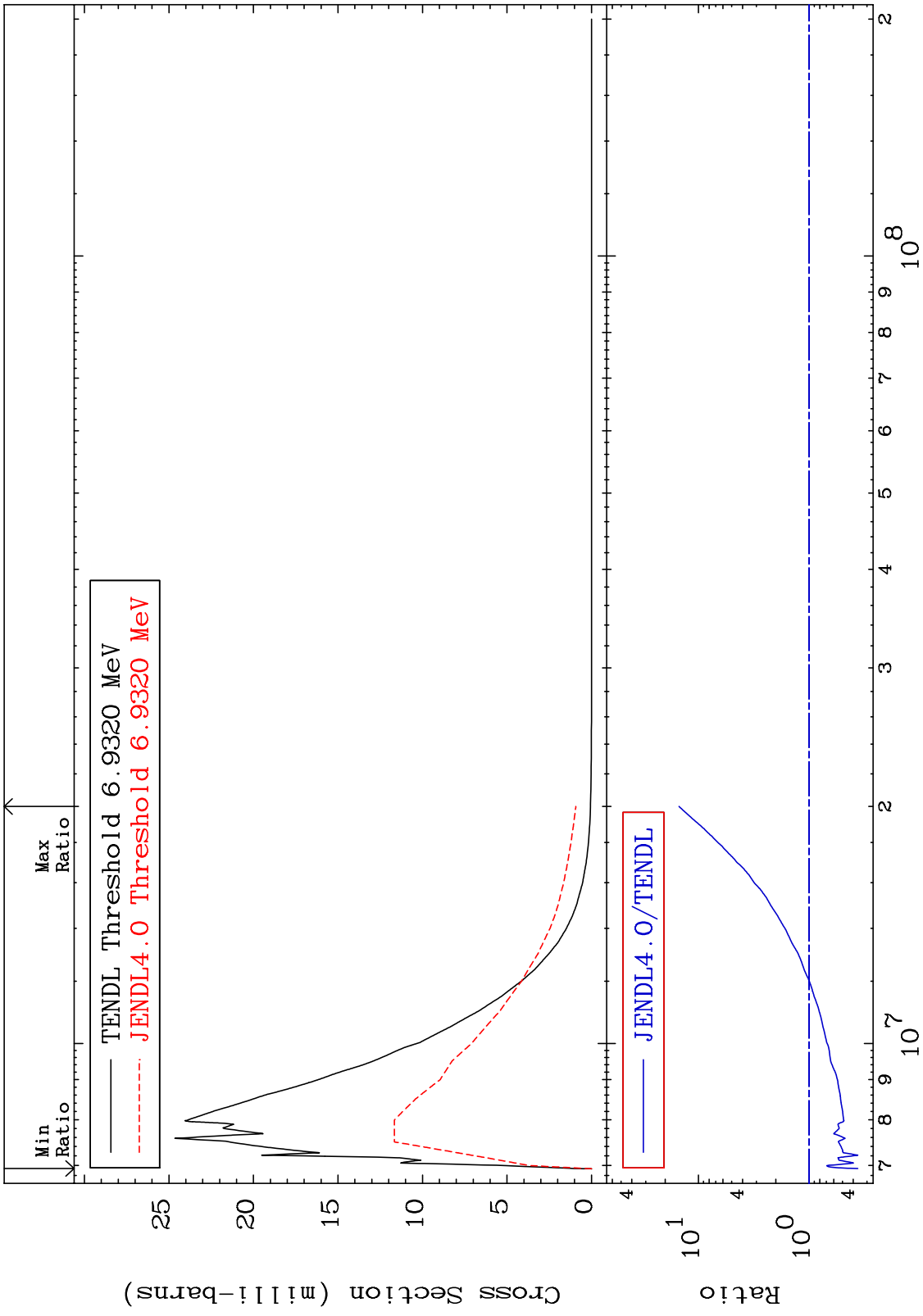


MAT 1425 MT= 54 (n,n') Level Cross Section 14-Si-28 -81.72 To 1349. %

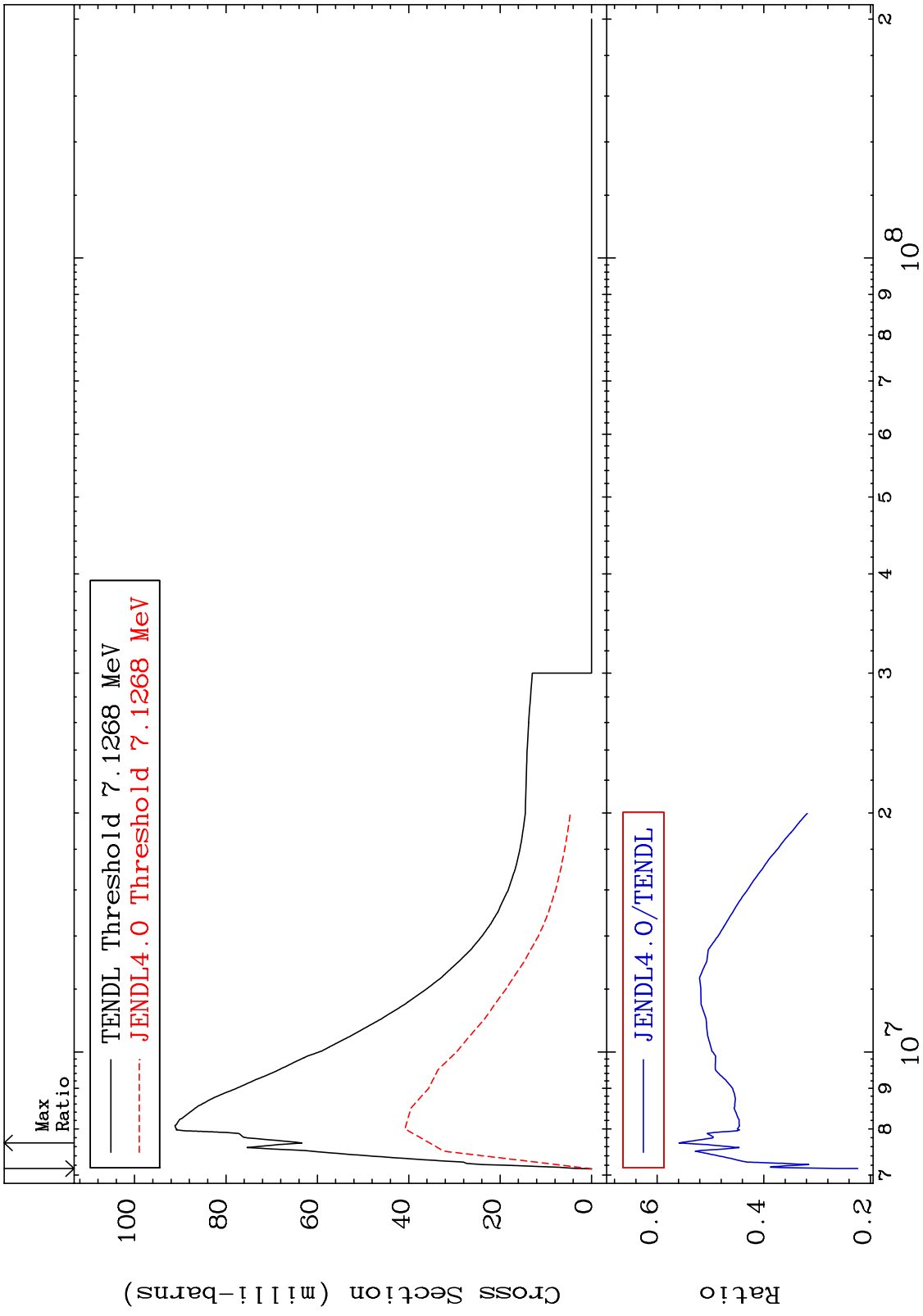


10 14-Si-28

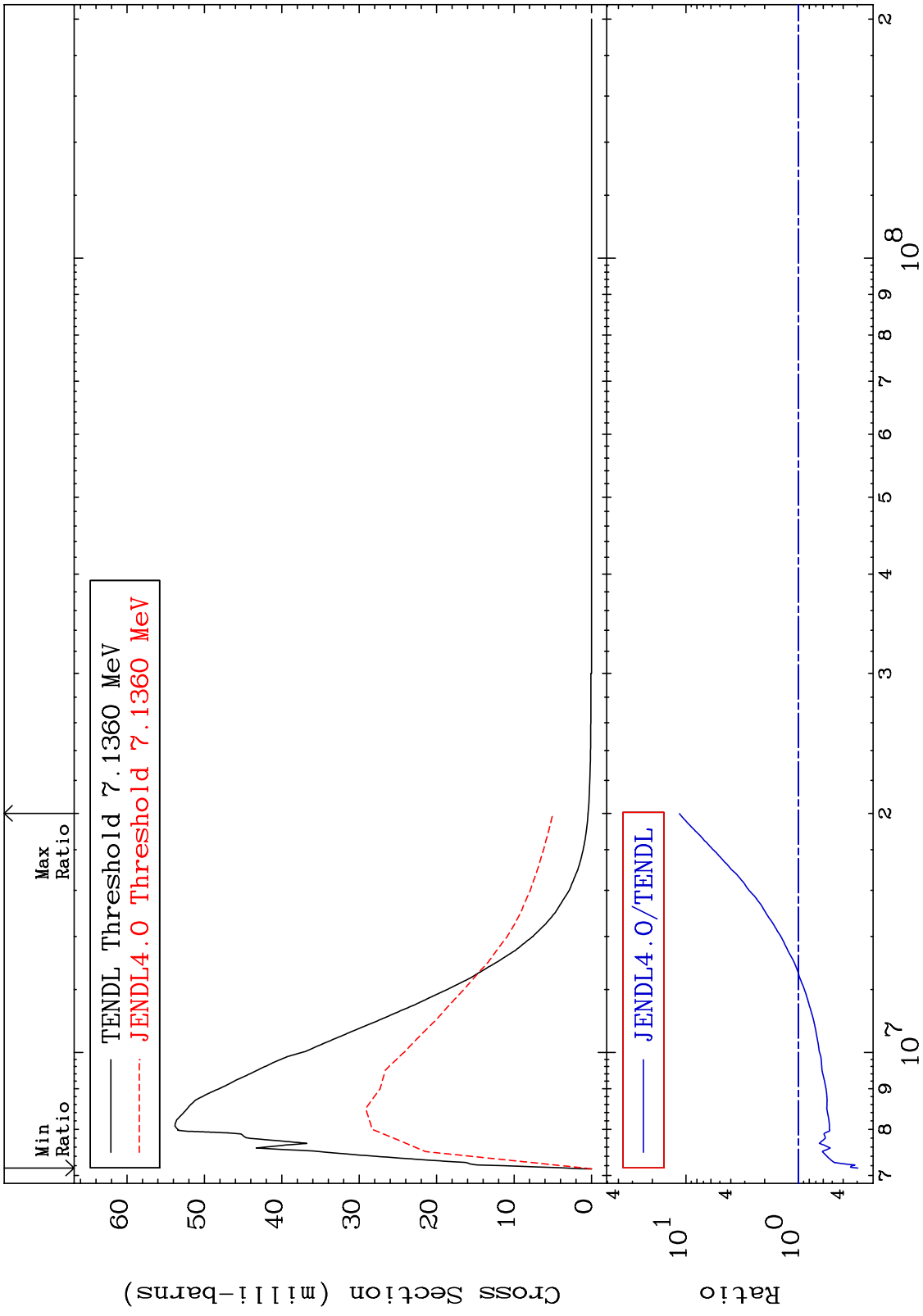
MAT 1425 MT= 55 (n,n') Level Cross Section -63.70 To 1397. % 14-Si-28



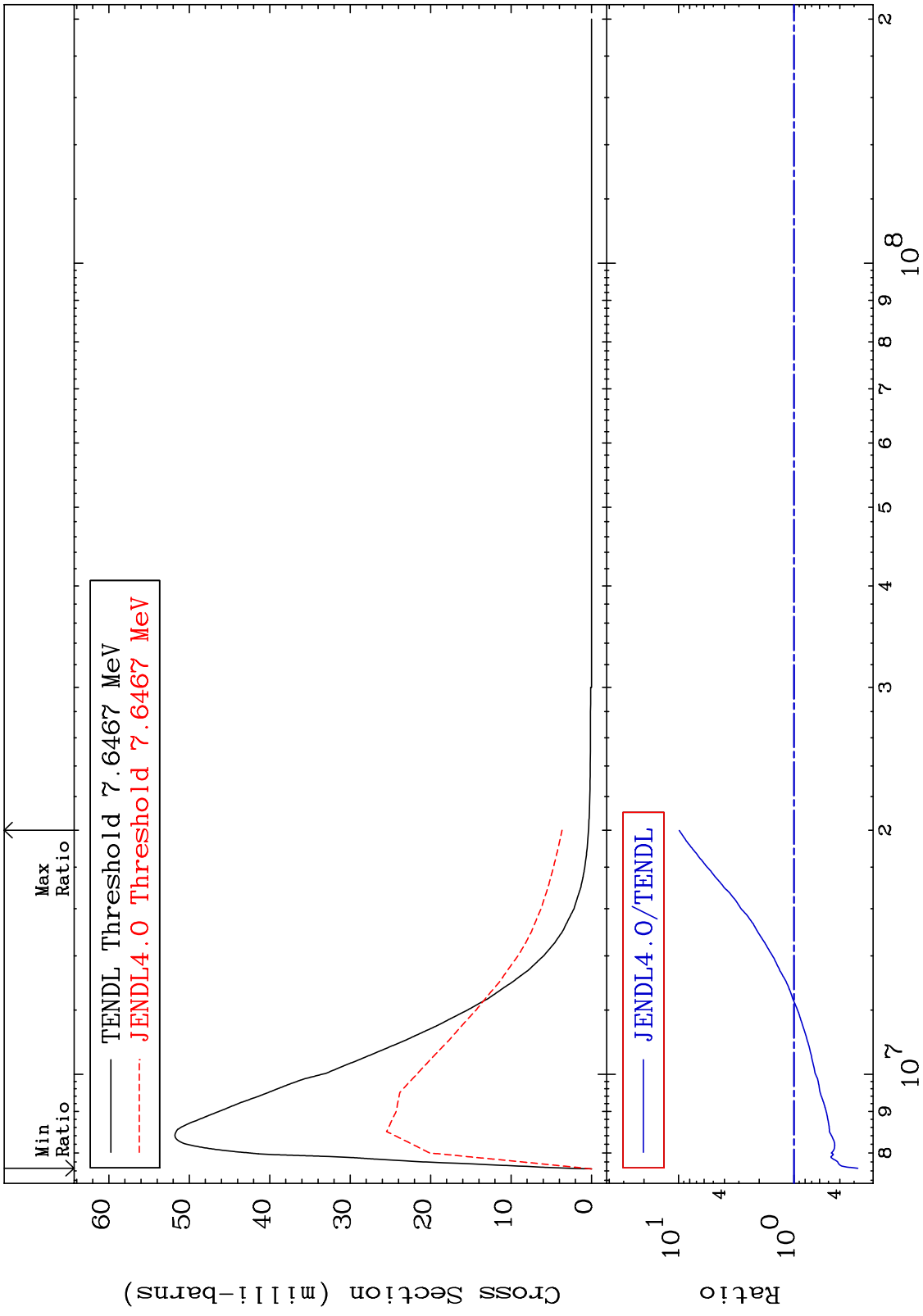
MAT 1425 MT= 56 (n,n') Level Cross Section 14-Si-28 -77.64 To -44.11%



MAT 1425 MT= 57 (n,n') Level Cross Section 14-Si-28
-70.43 To 1055. %

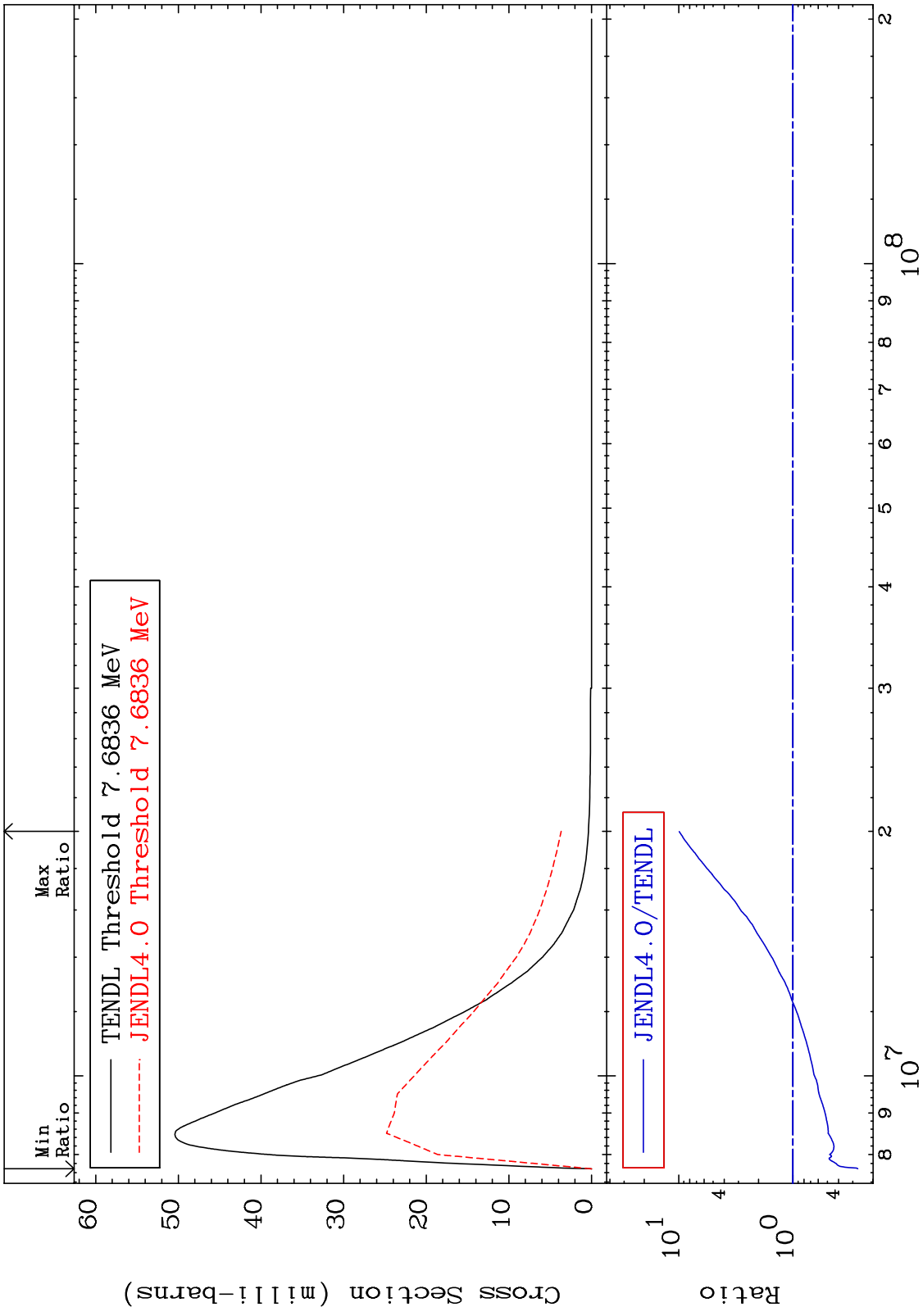


MAT 1425 MT= 58 (n,n') Level Cross Section 14-Si-28
 -72.11 To 891.2 %

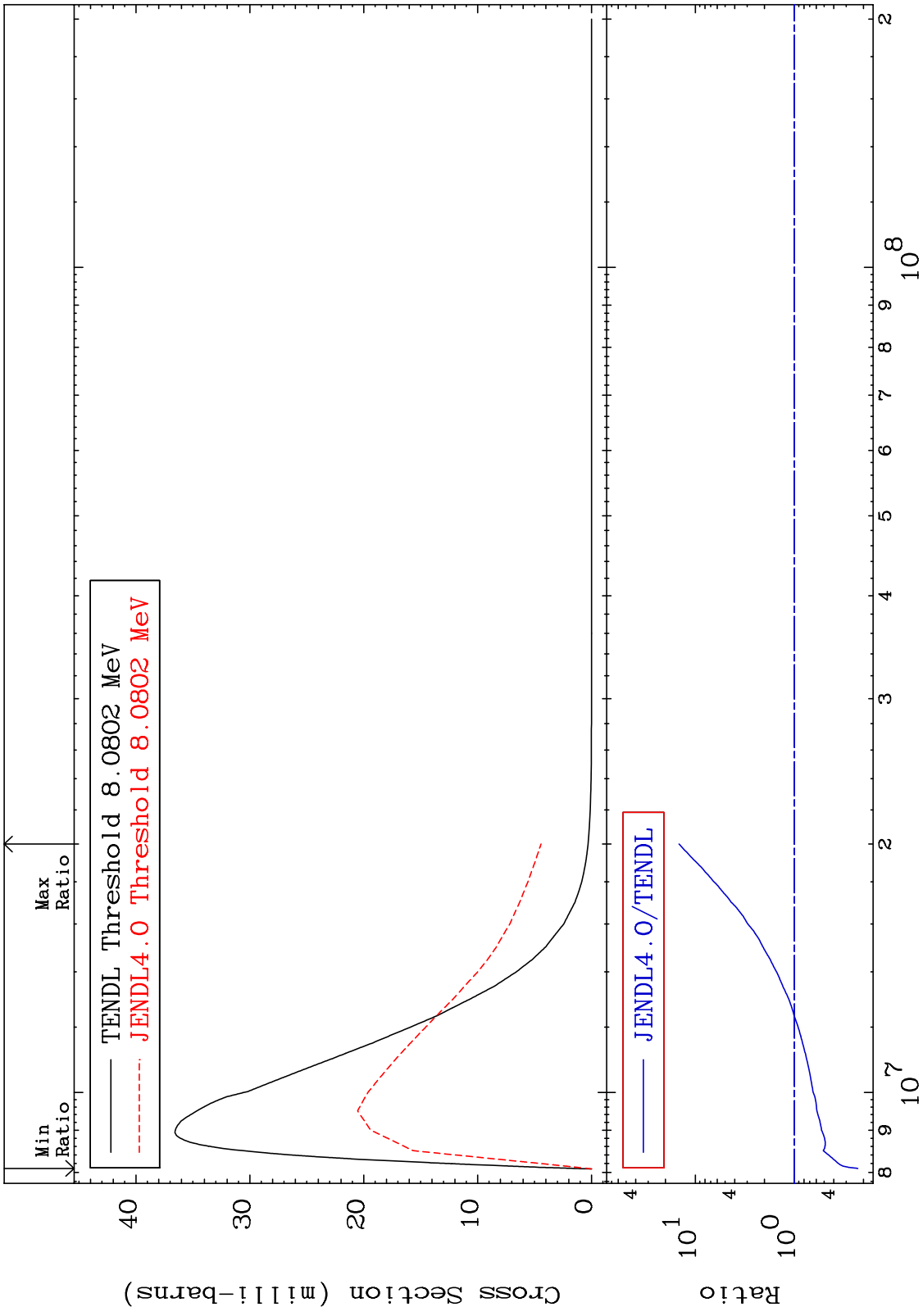


14 14-Si-28

MAT 1425 MT= 59 (n,n') Level Cross Section 14-Si-28
 -72.94 To 892.1 %

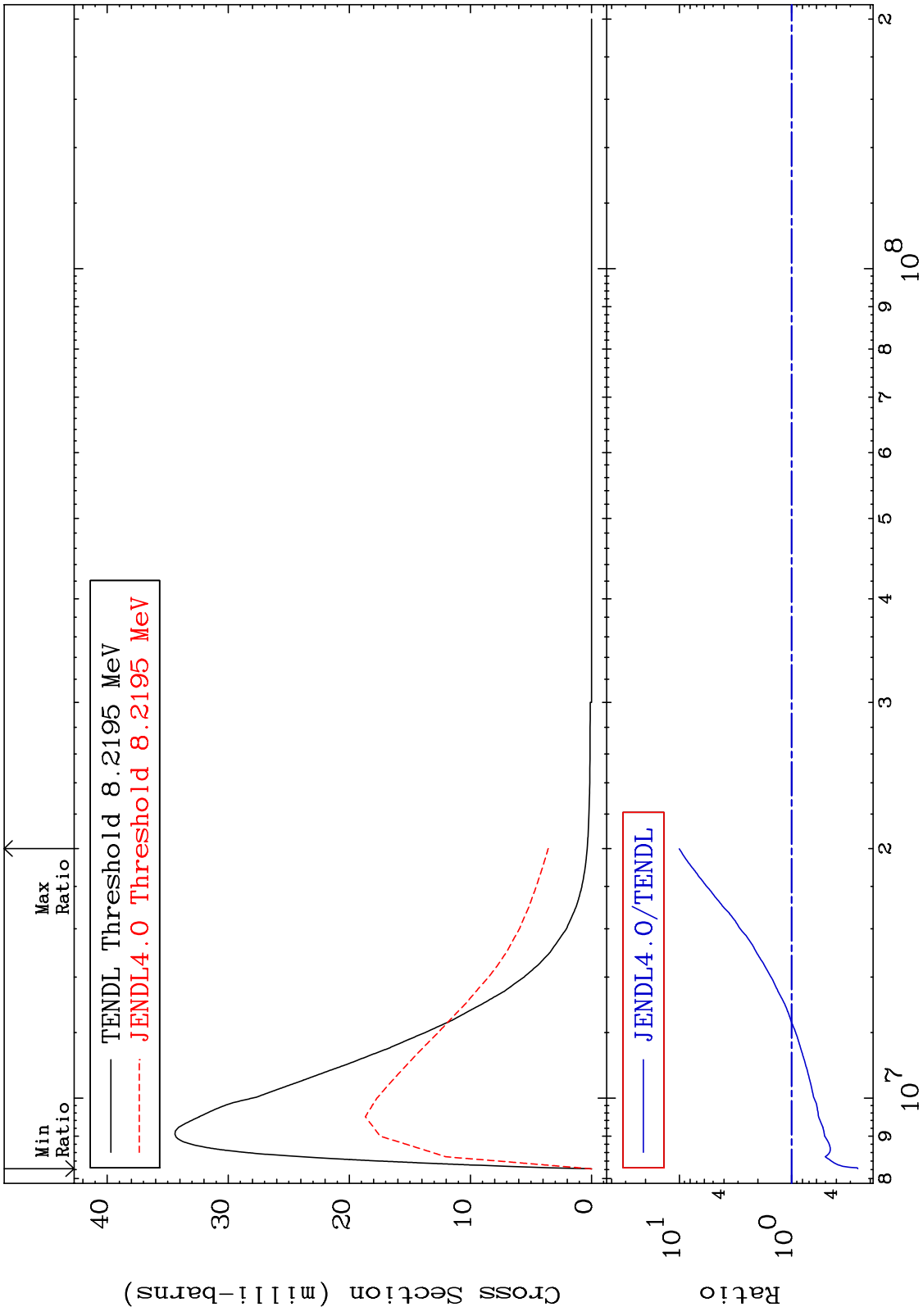


MAT 1425 MT= 60 (n,n') Level Cross Section 14-Si-28
 -77.16 To 1359. %



16 14-Si-28 Incident Energy (eV)

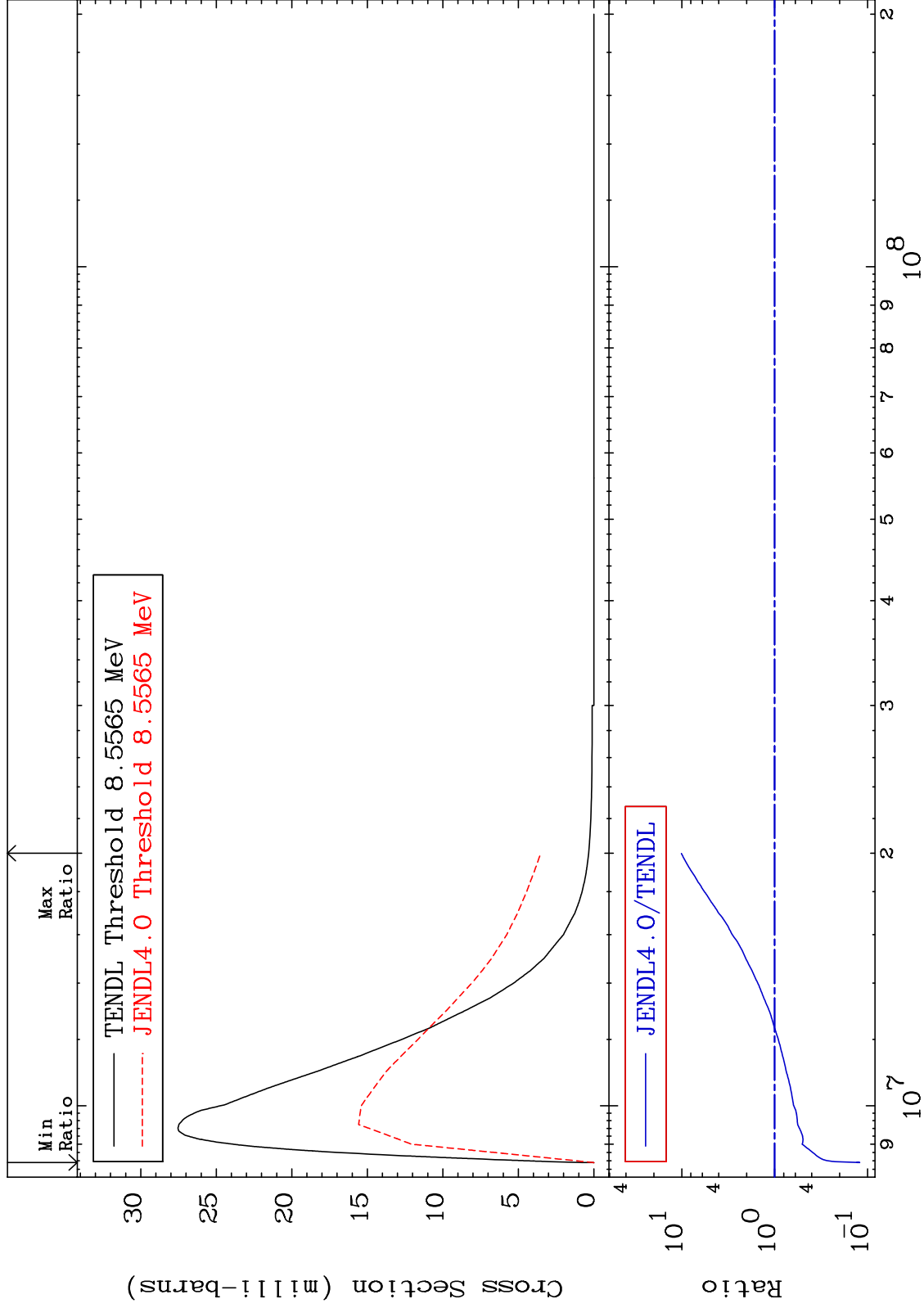
MAT 1425 MT= 61 (n,n') Level Cross Section -74.25 To 905.4 % 14-Si-28



MAT 1425

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

14-Si-28
-87.87 To 914.2 %

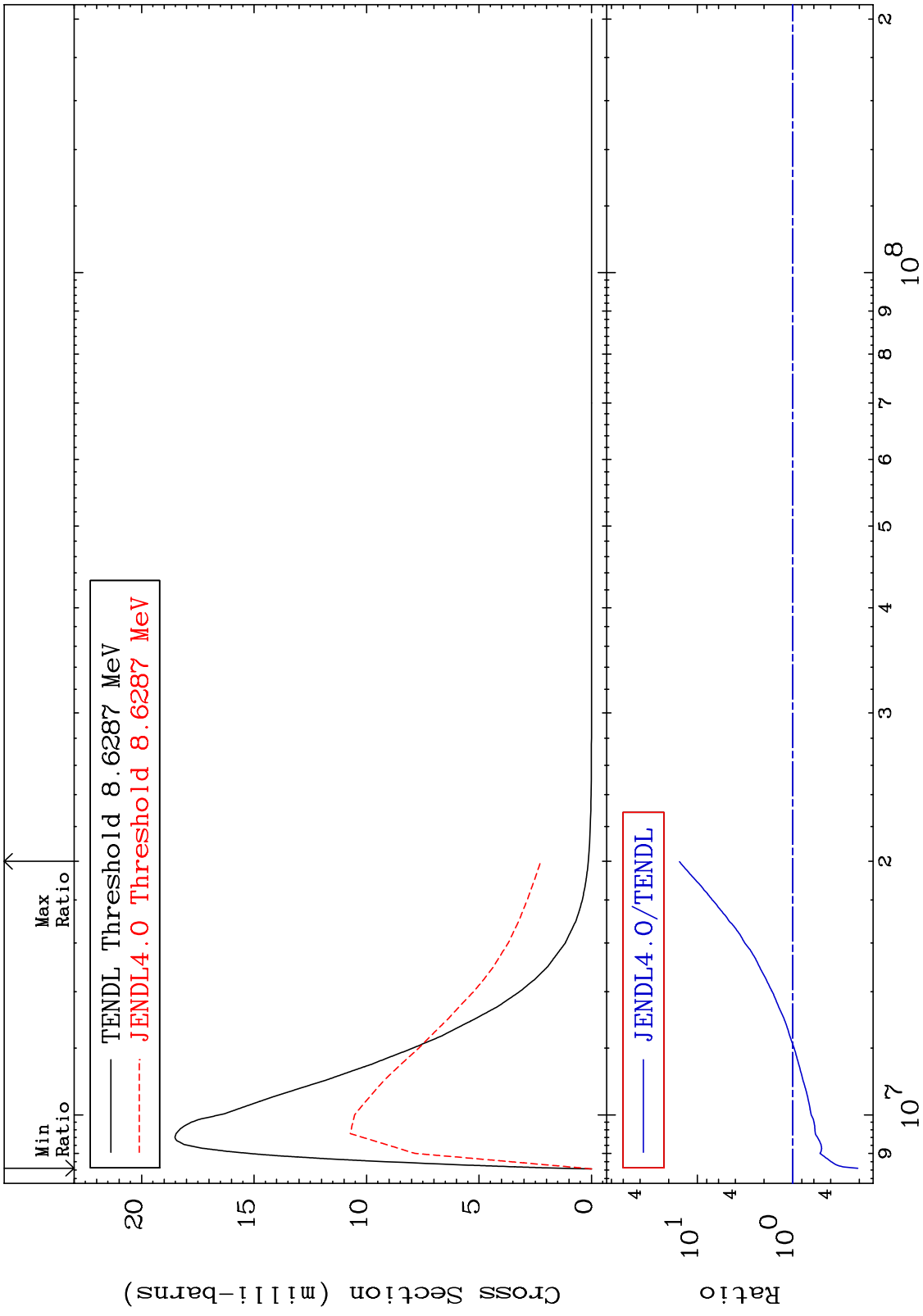


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14-Si-28

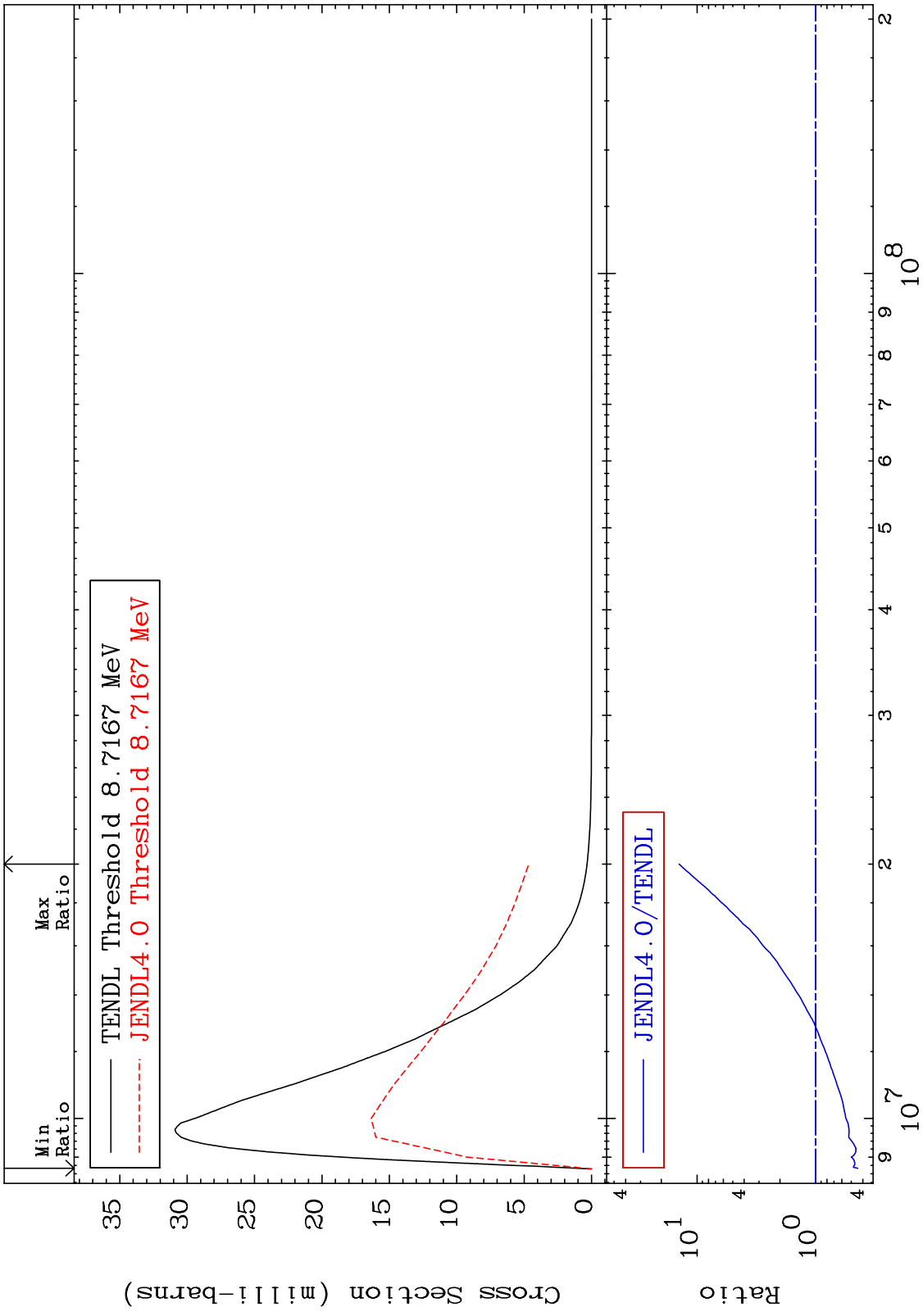
14-Si-28

MAT 1425 MT= 63 (n,n') Level Cross Section -79.30 To 1459. % 14-Si-28



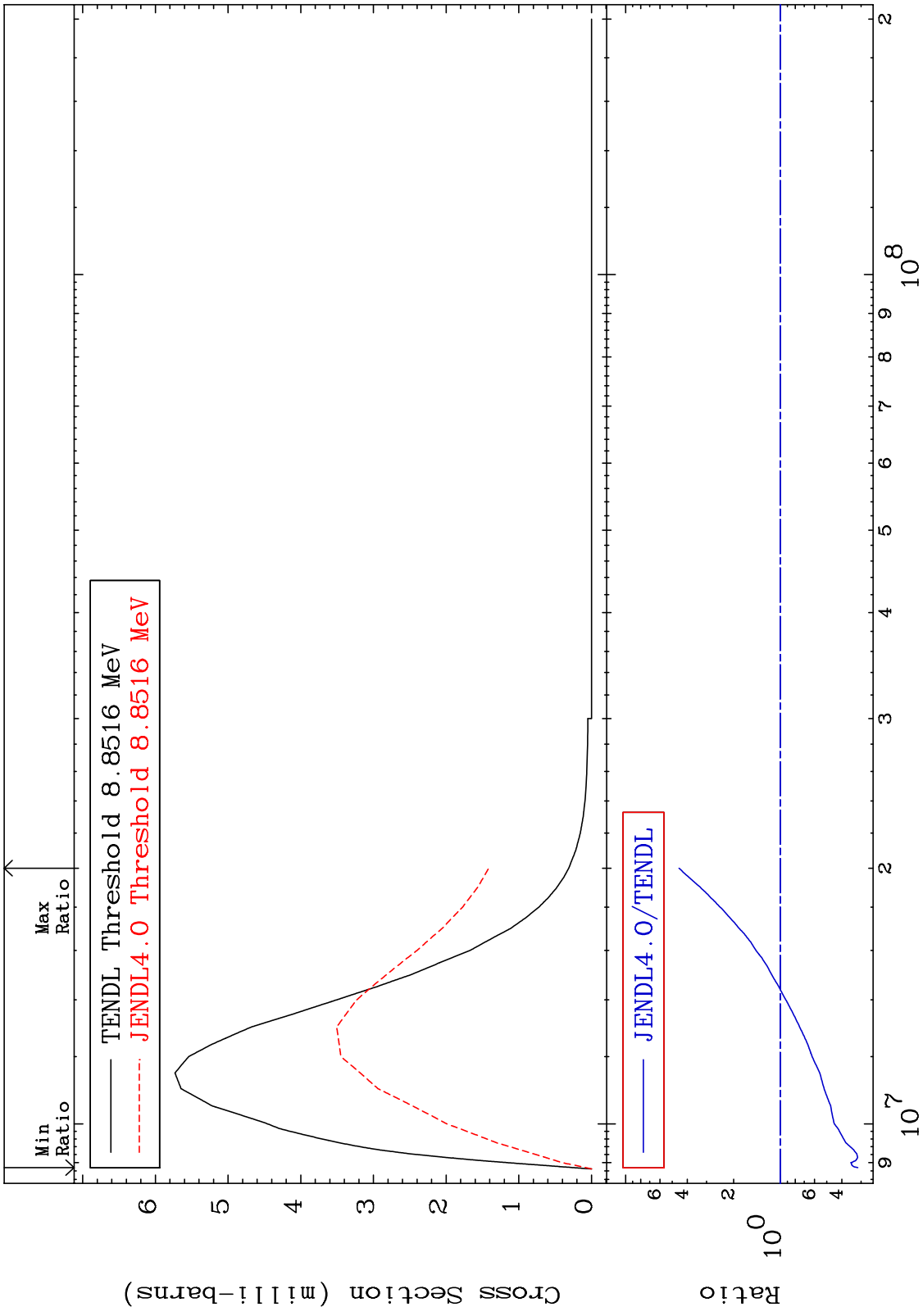
19 14-Si-28

MAT 1425 MT= 64 (n,n') Level Cross Section 14-Si-28
 -55.98 To 1318. %



20 Incident Energy (eV) 14-Si-28

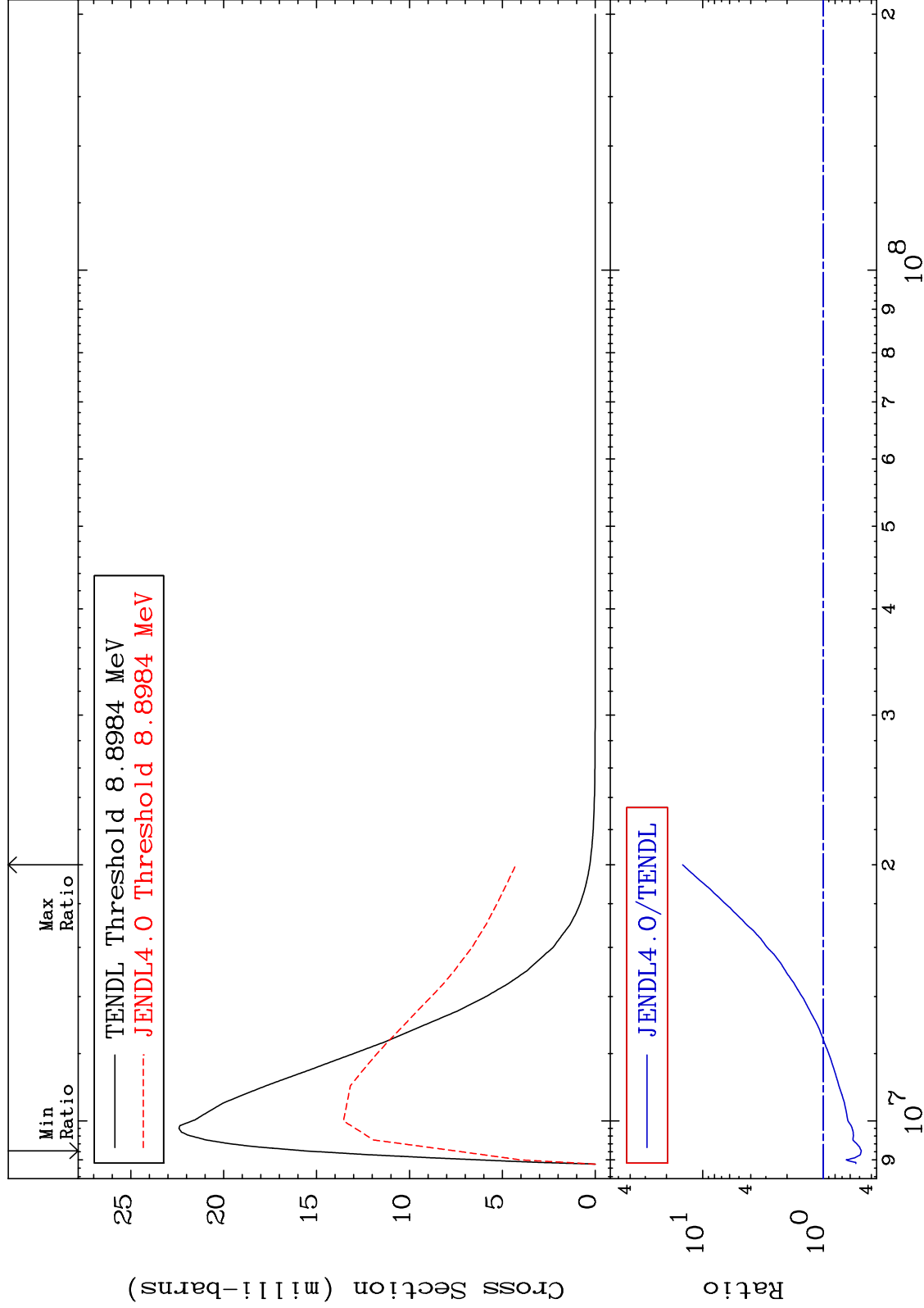
MAT 1425 MT= 65 (n,n') Level Cross Section 14-Si-28
 -68.51 To 351.5 %



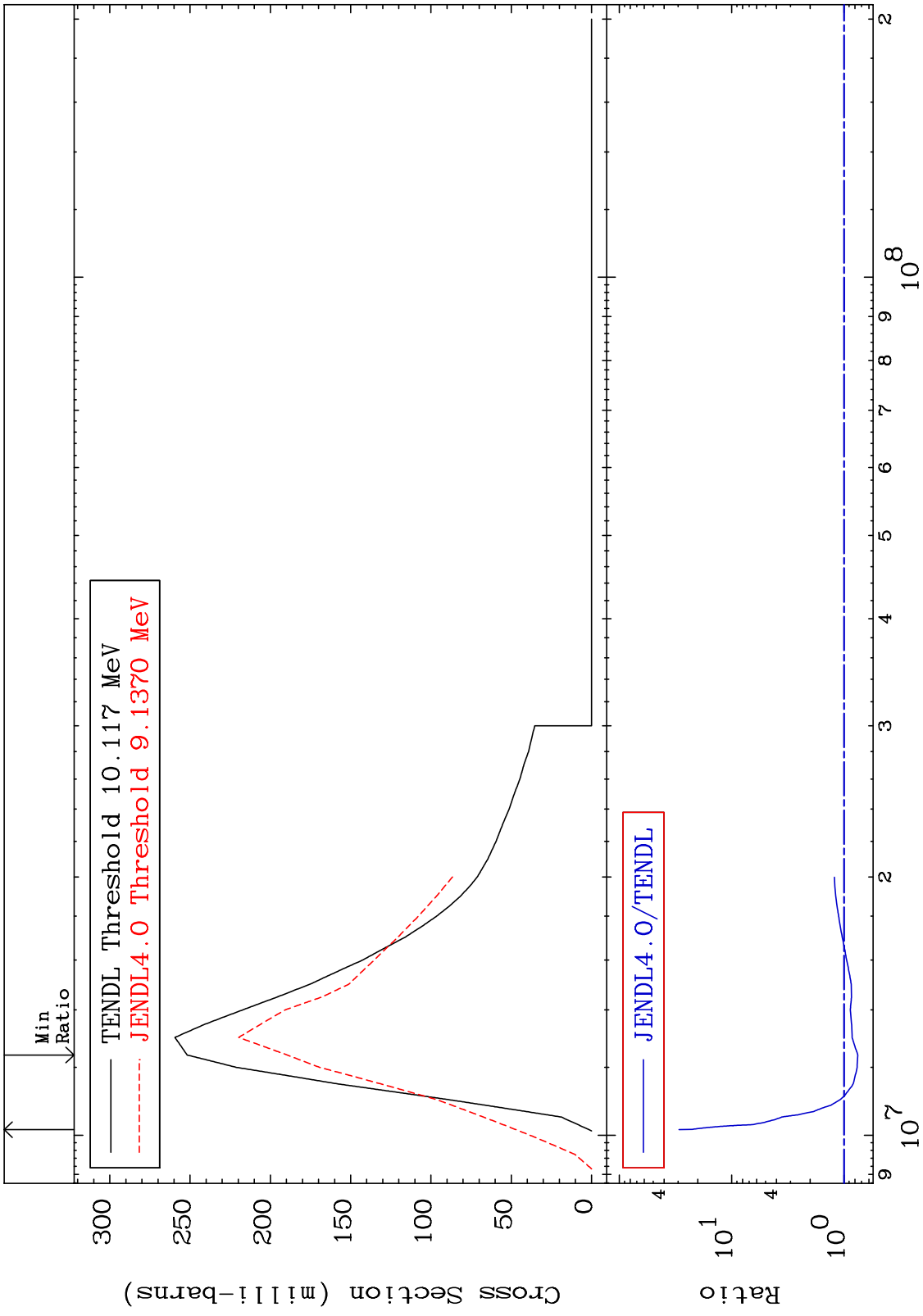
MAT 1425

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

14-Si-28
-51.62 To 1368. %



MAT 1425 (n,n') Continuum Cross Section 14-Si-28
 -24.69 To 2843. %



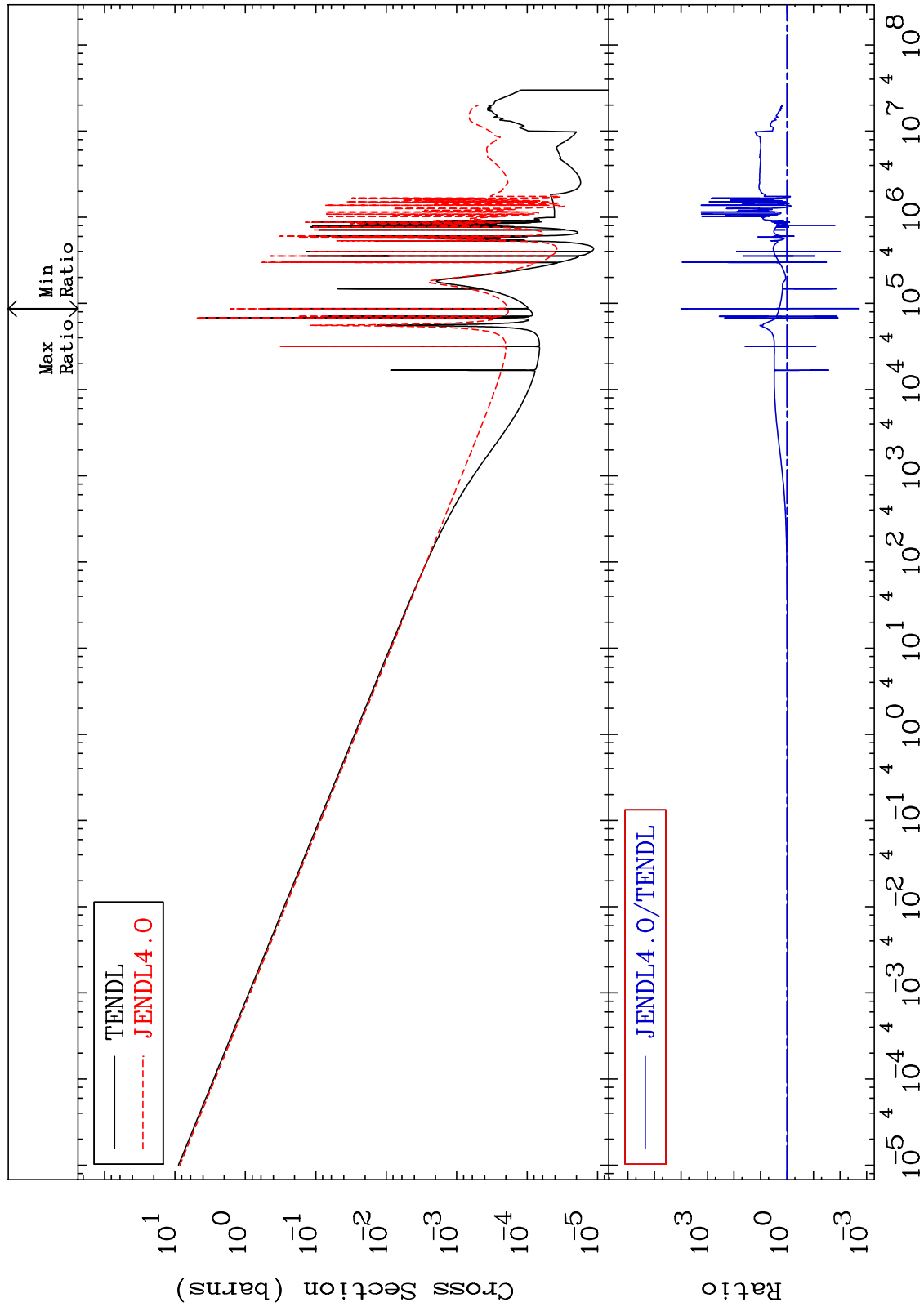
MAT 1425

(n, γ)

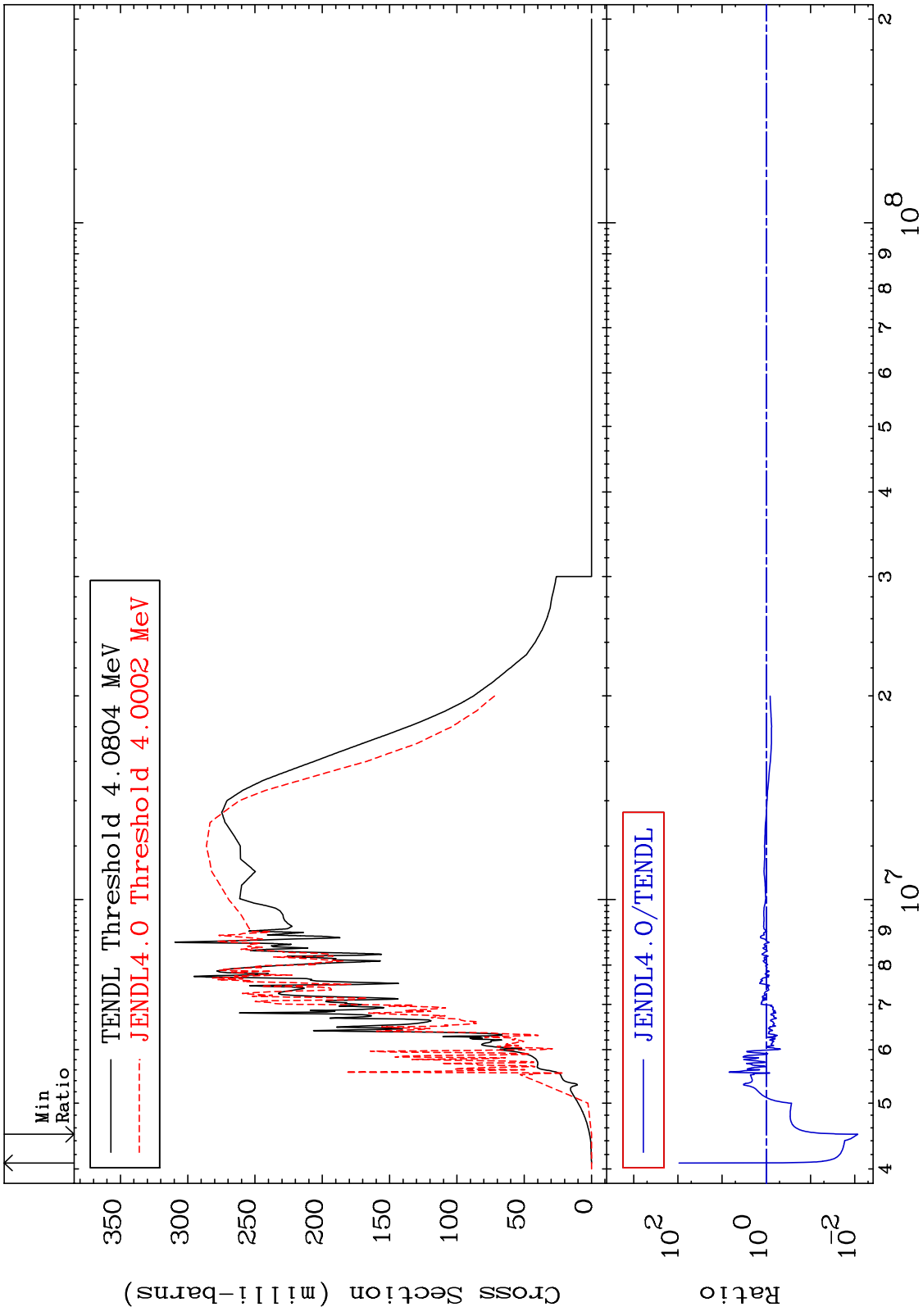
14-Si-28

Cross Section

-99.81 To 9999. %

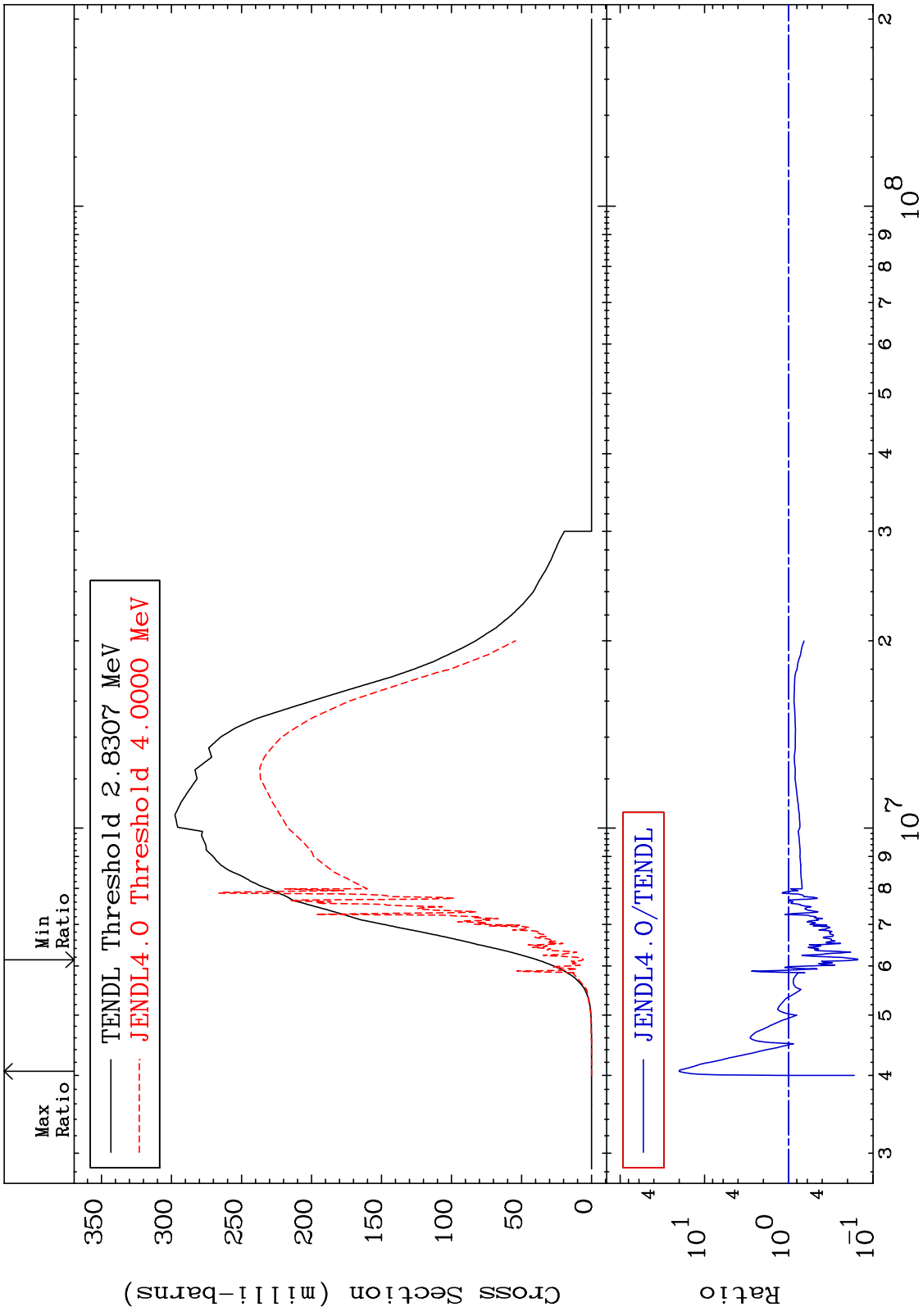


MAT 1425 (n,p) 14-Si-28
 Cross Section -99.15 To 9330. %



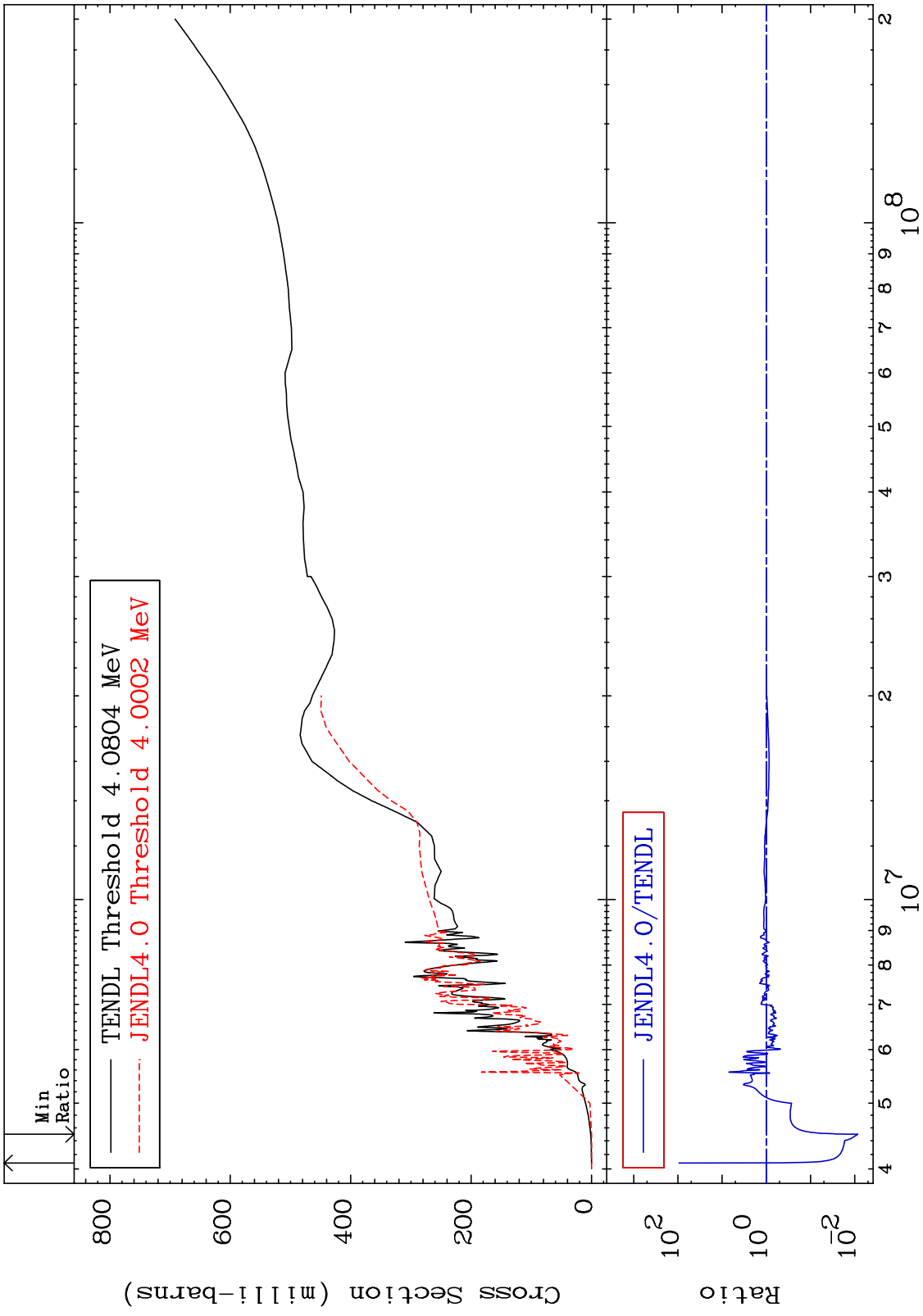
25 14-Si-28 Incident Energy (eV)

MAT 1425 (n, α) 14-Si-28
 Cross Section -84.92 To 1903. %



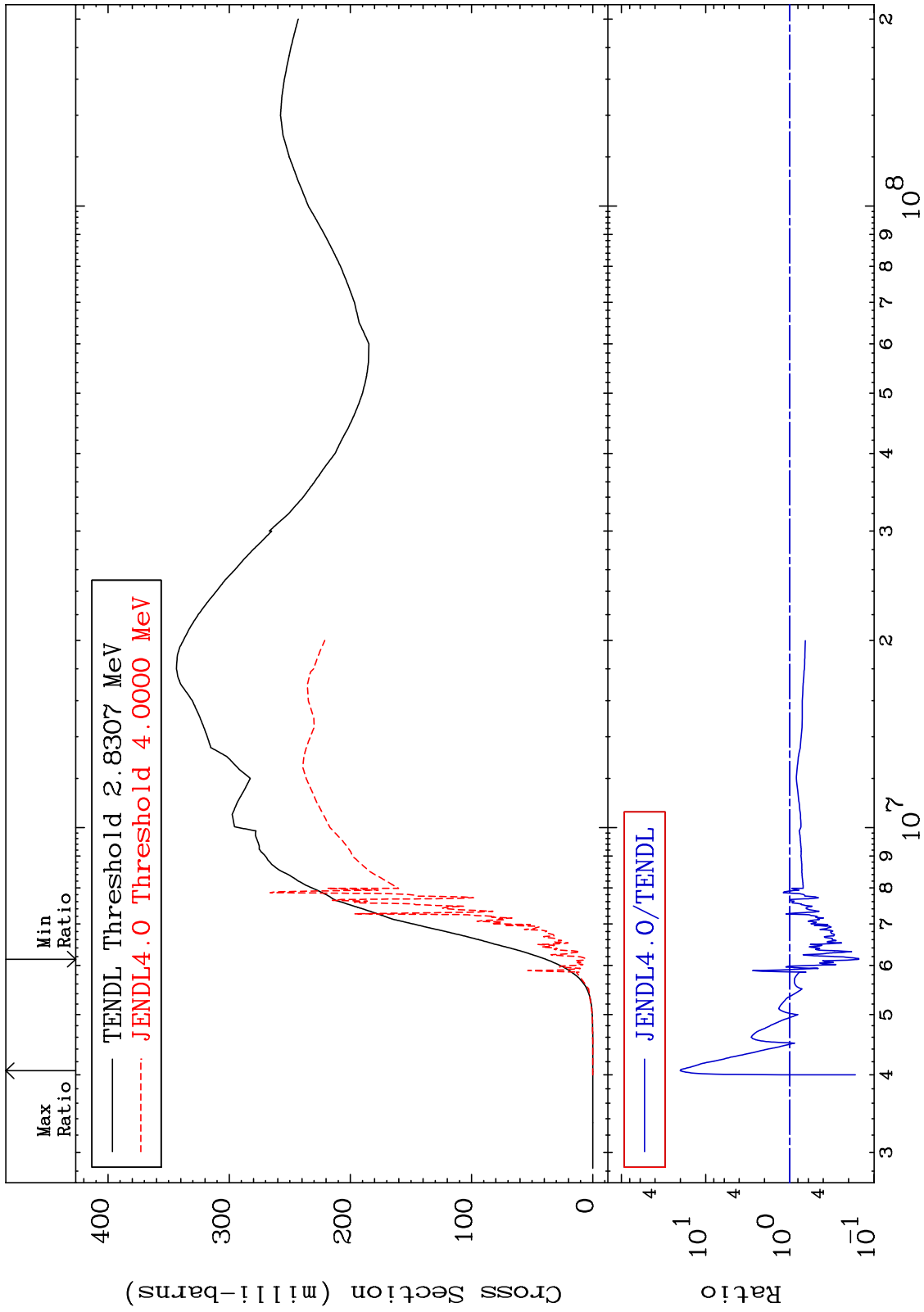
26 14-Si-28

MAT 1425 Hydrogen Production Cross Section 14-Si-28
 -99.15 To 9330. %



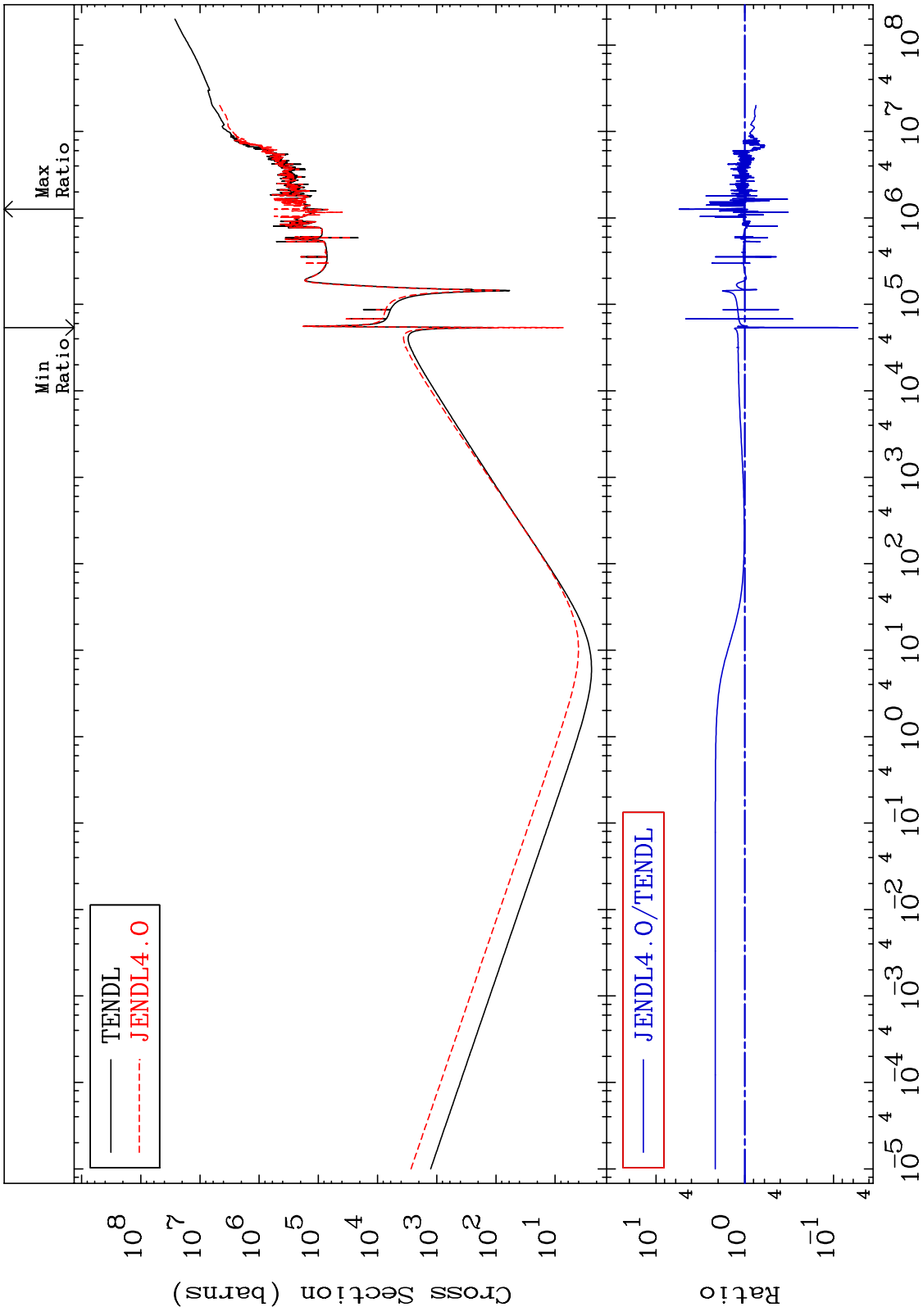
27 14-Si-28 Incident Energy (eV)

MAT 1425 He-4 Production Cross Section 14-Si-28
 -84.92 To 1903. %

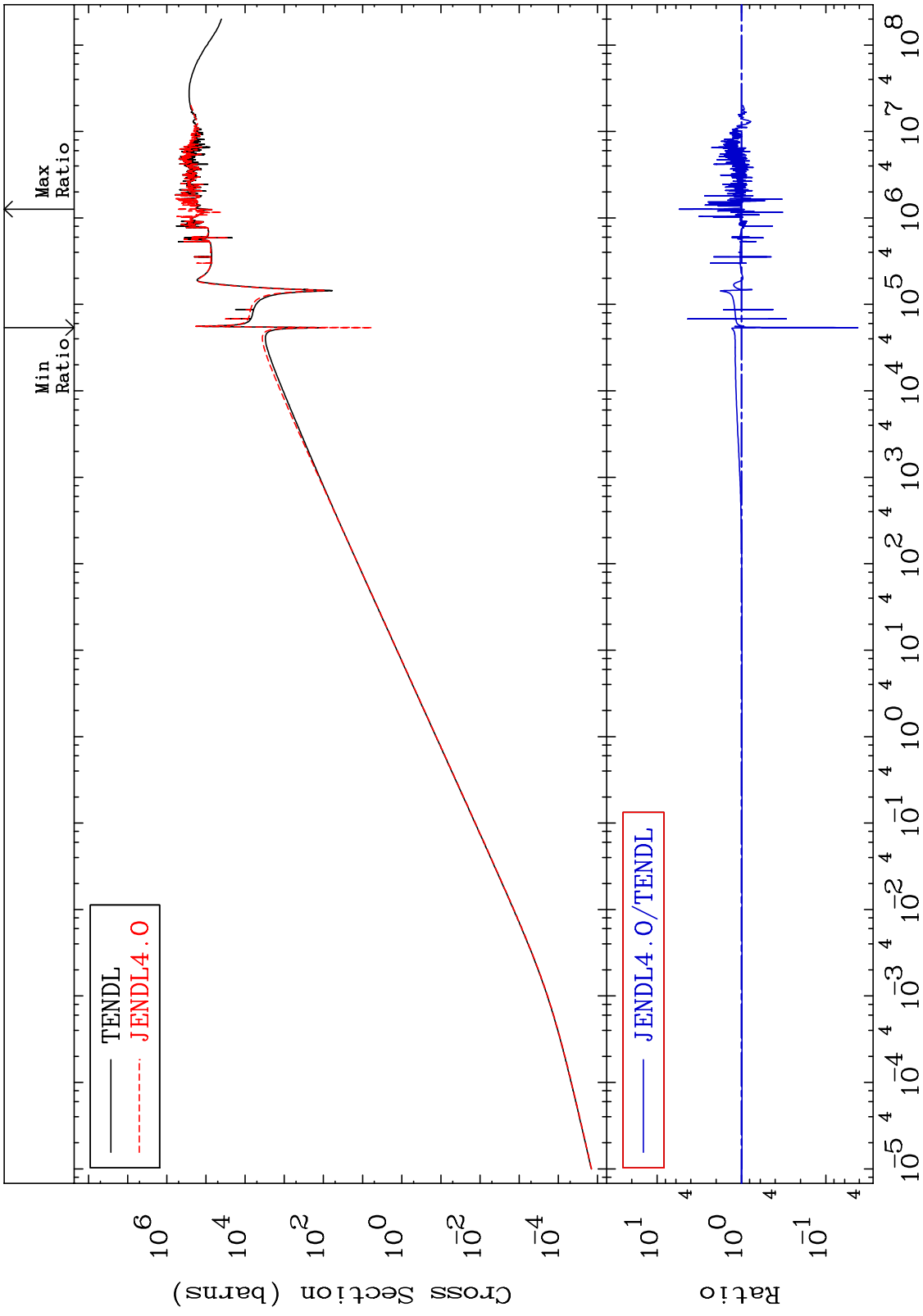


28 14-Si-28

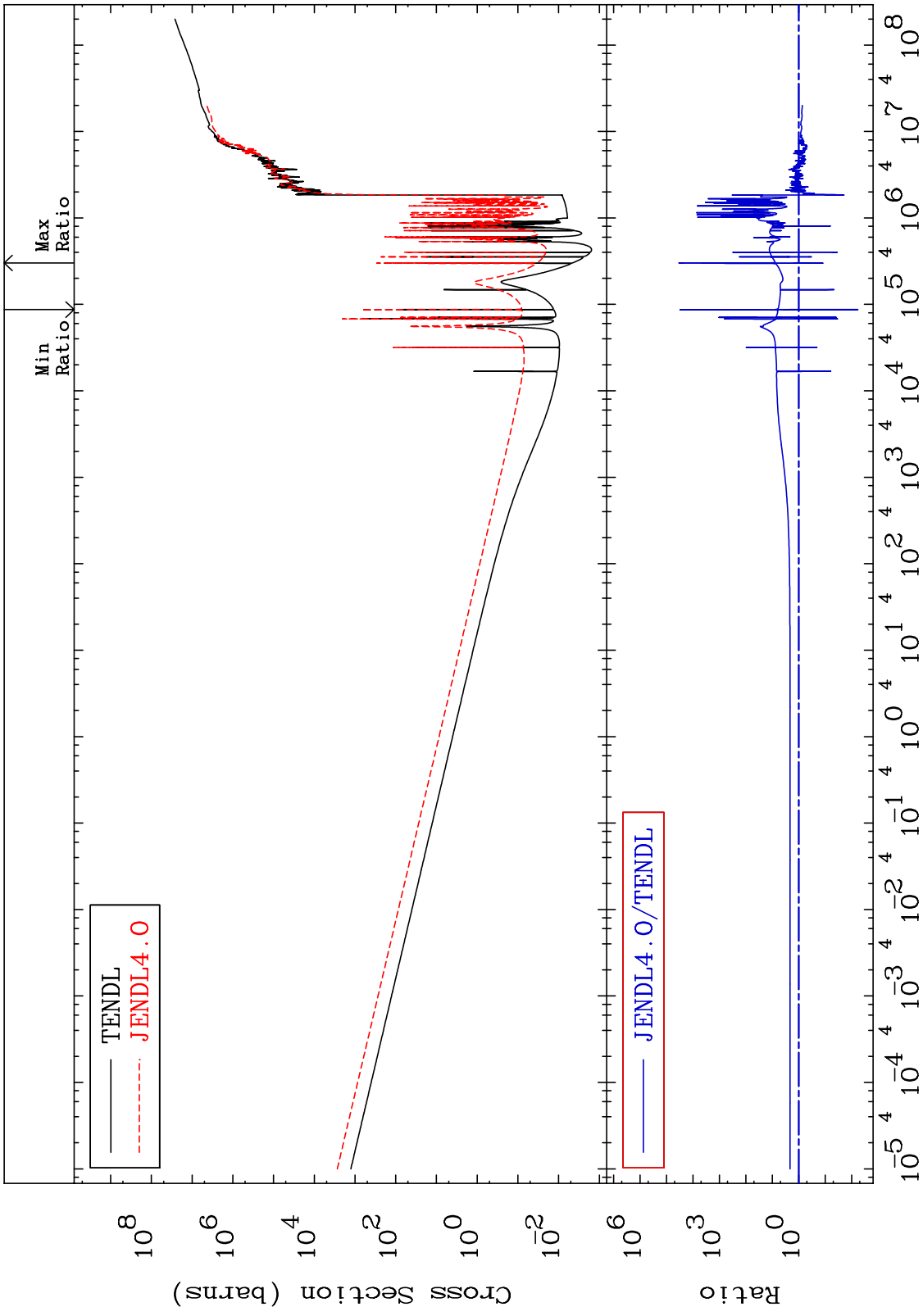
MAT 1425 Kerma total (eV-barns)
 Cross Section 14-Si-28
 -94.66 To 450.2 %

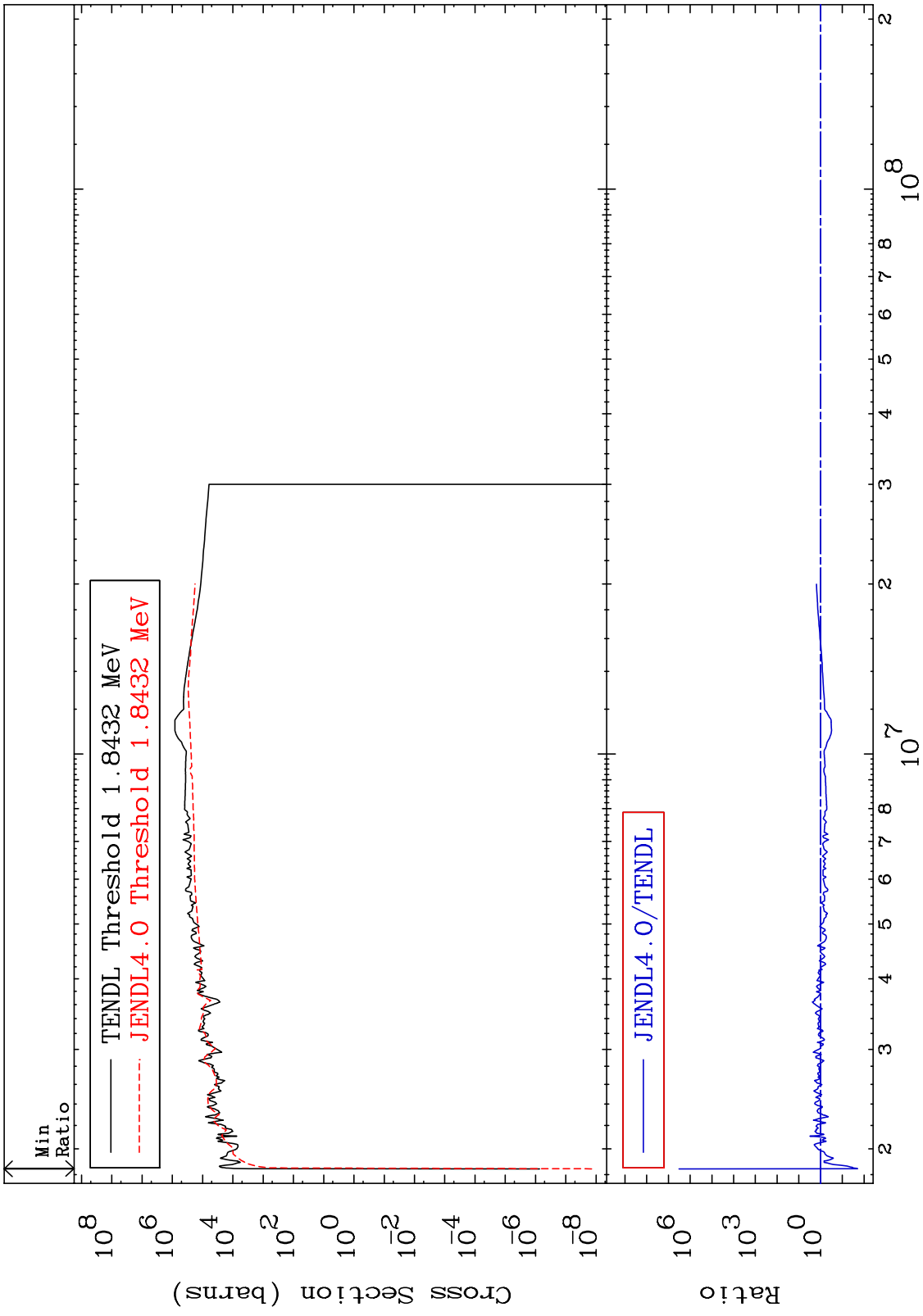


MAT 1425 14-Si-28
 Kerma elastic Cross Section -95.82 To 450.2 %



MAT 1425 Kerma non-elastic (all but mt2) 14-Si-28
 Cross Section -99.41 To 9999. %

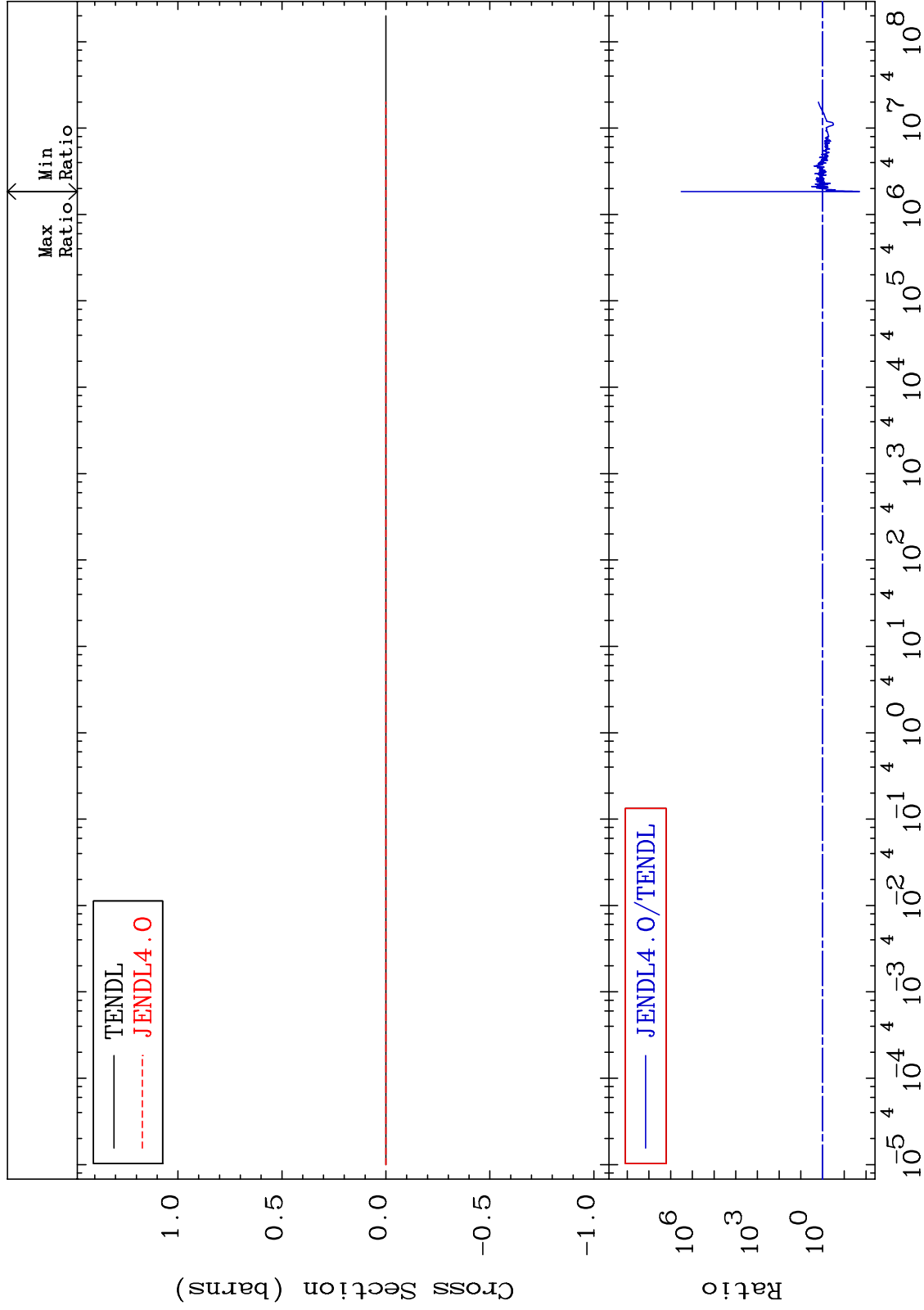




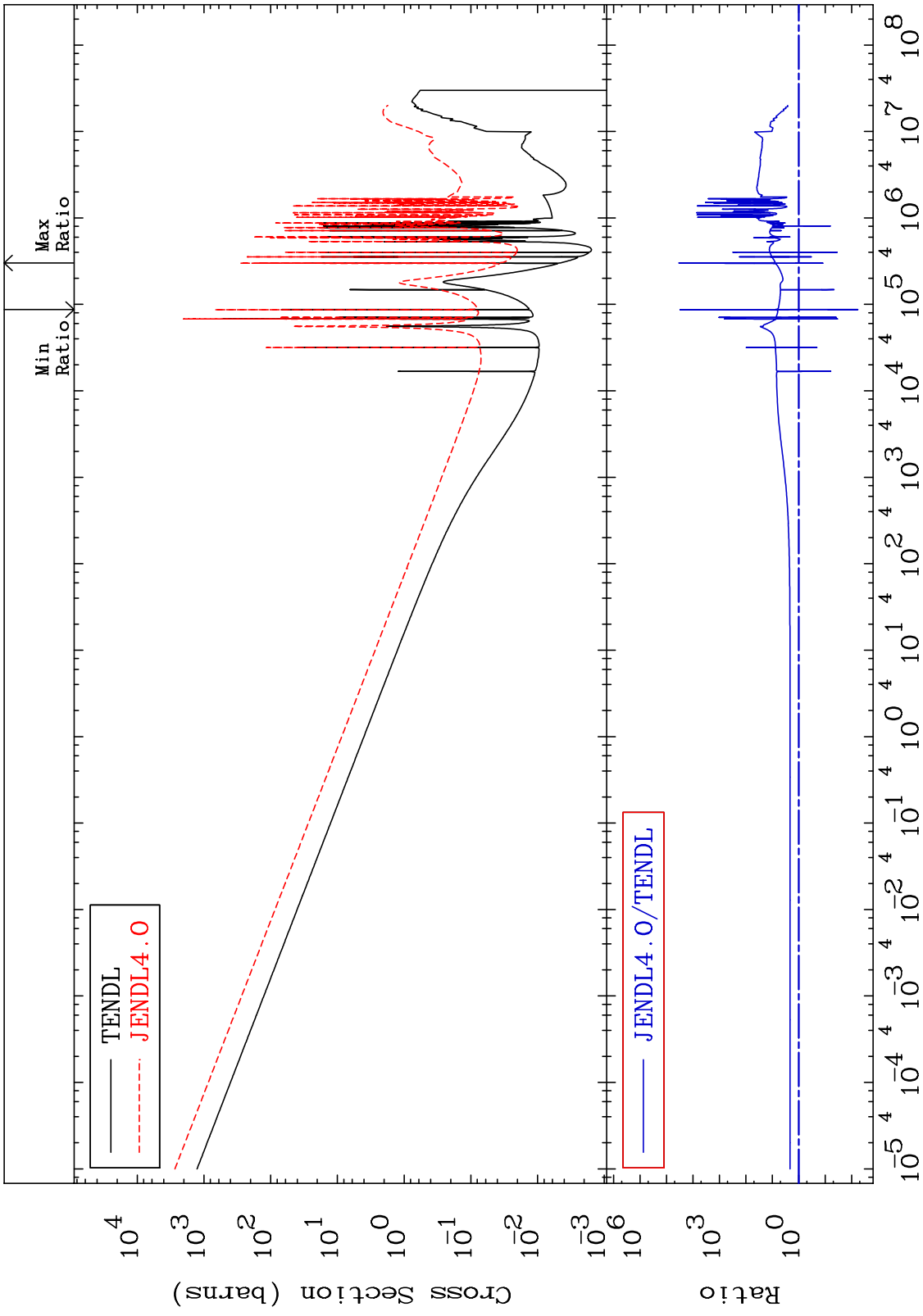
MAT 1425

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

14-Si-28
-98.06 To 9999. %

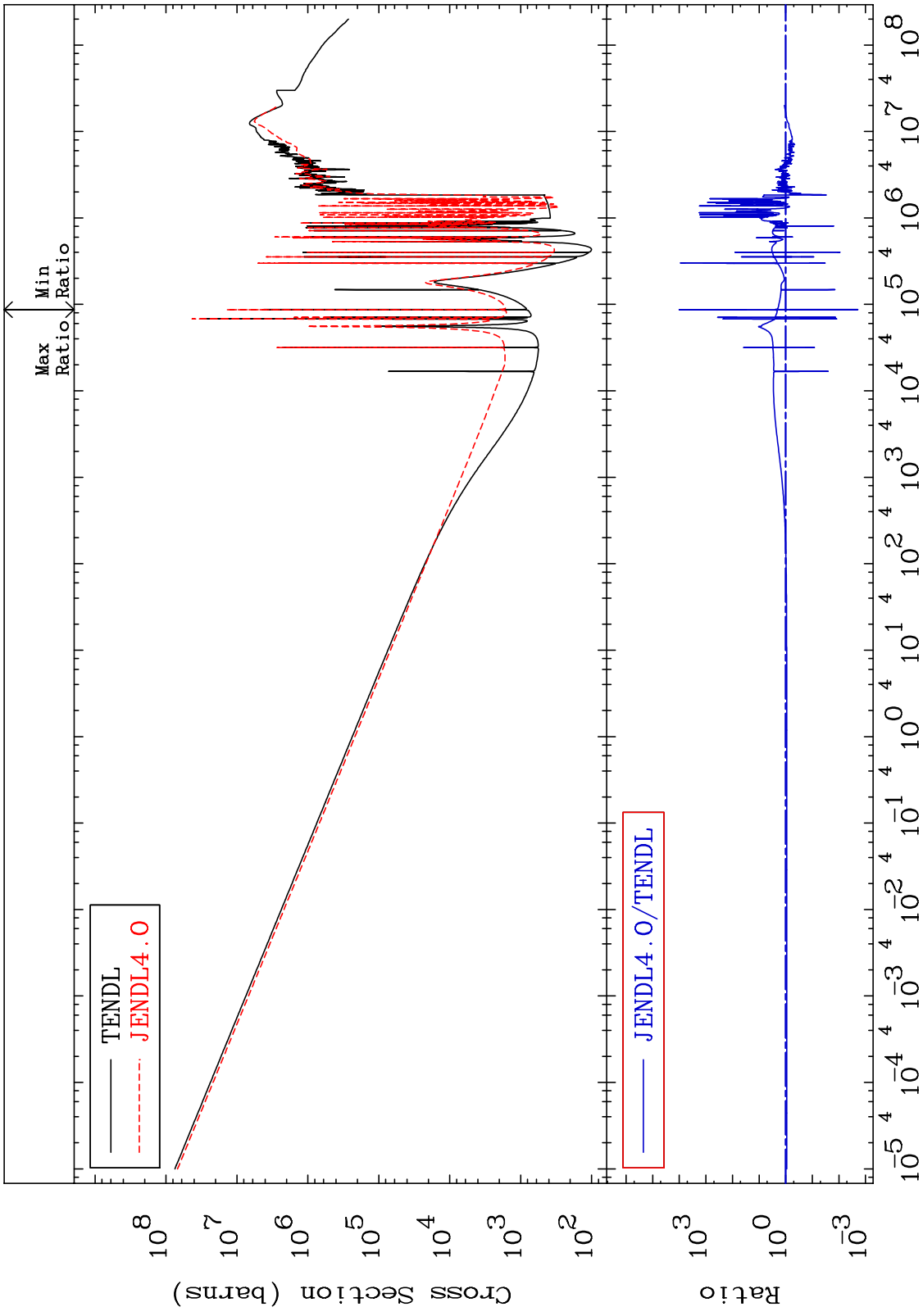


MAT 1425 Kerma capture (mt102) 14-Si-28
 Cross Section -99.41 To 9999. %

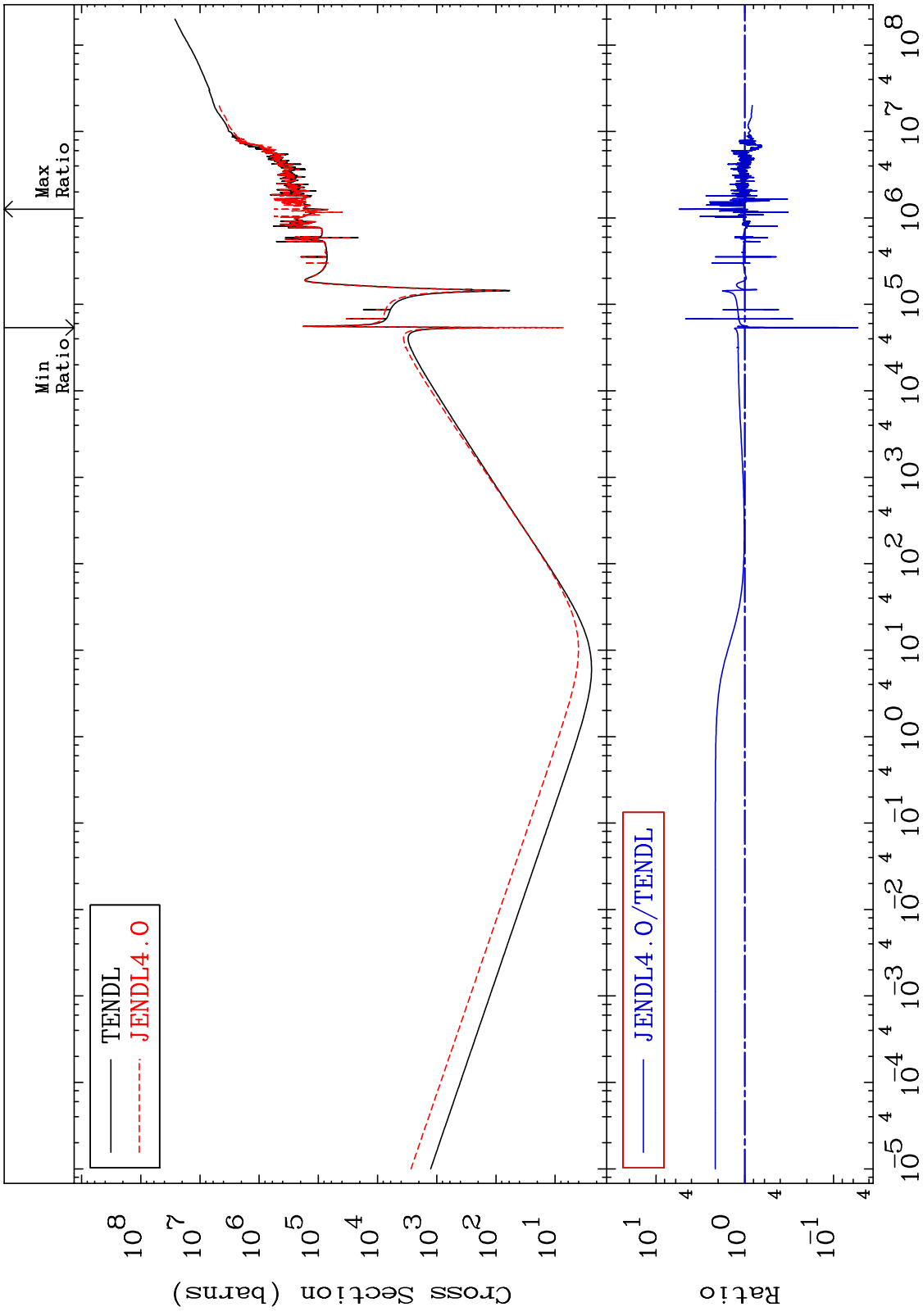


34 Incident Energy (eV) 14-Si-28

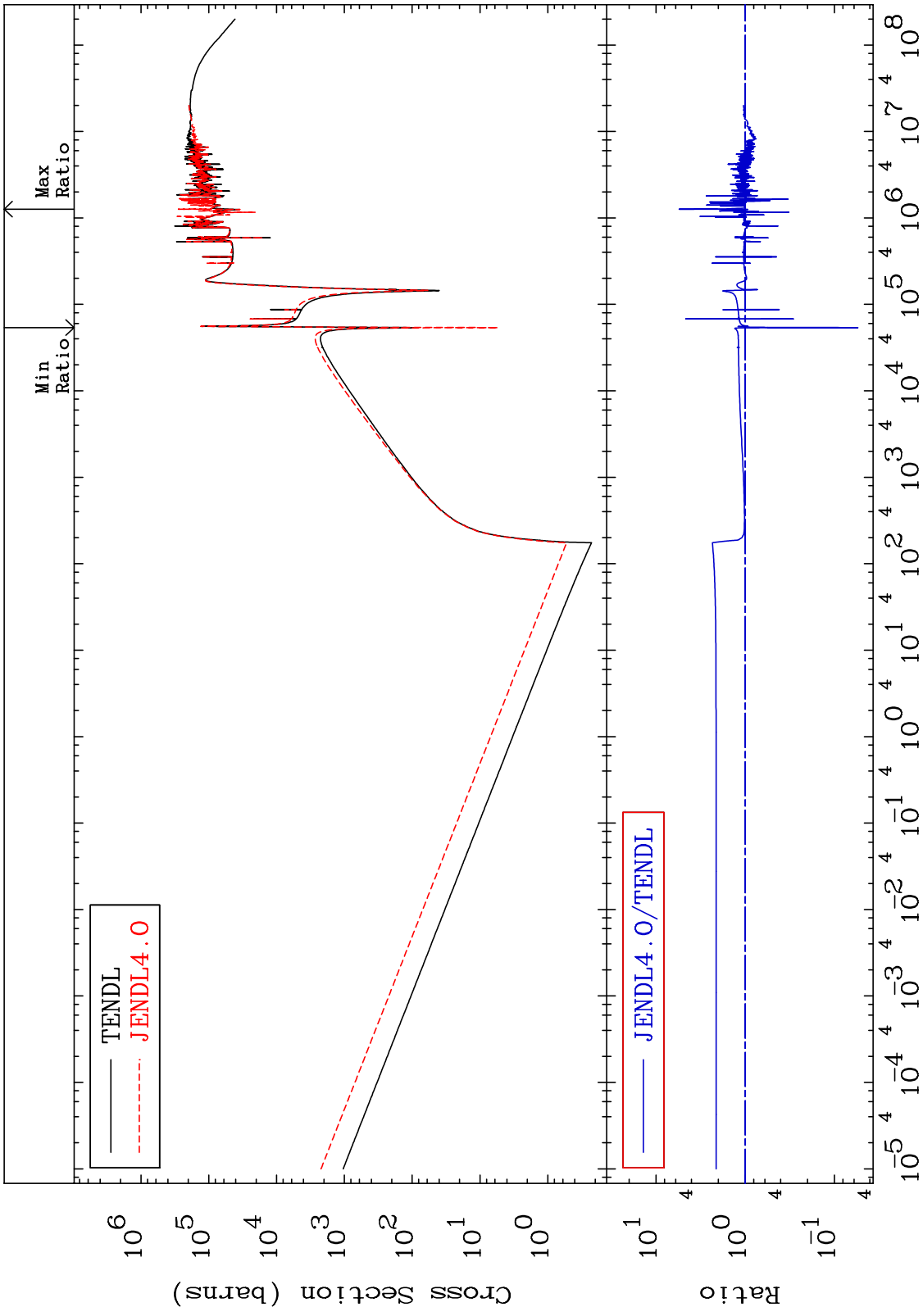
MAT 1425 14-Si-28
Total photon (eV-barns)
Cross Section -99.81 To 9999. %



MAT 1425 Total kinematic kerma (high limit) 14-Si-28
 Cross Section -94.66 To 450.2 %



MAT 1425 Dpa total (eV-barns) 14-Si-28
 Cross Section -94.54 To 451.7 %

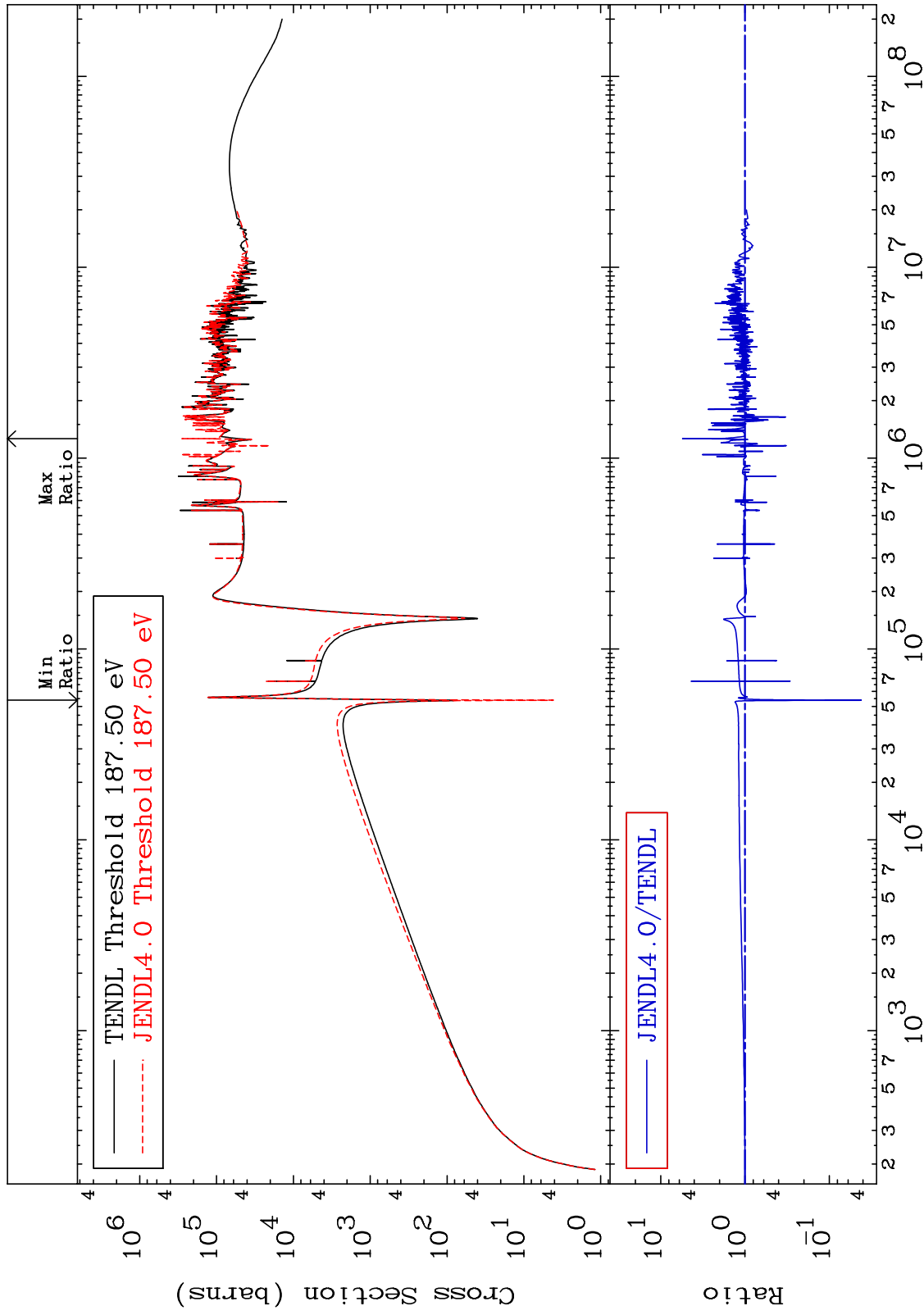


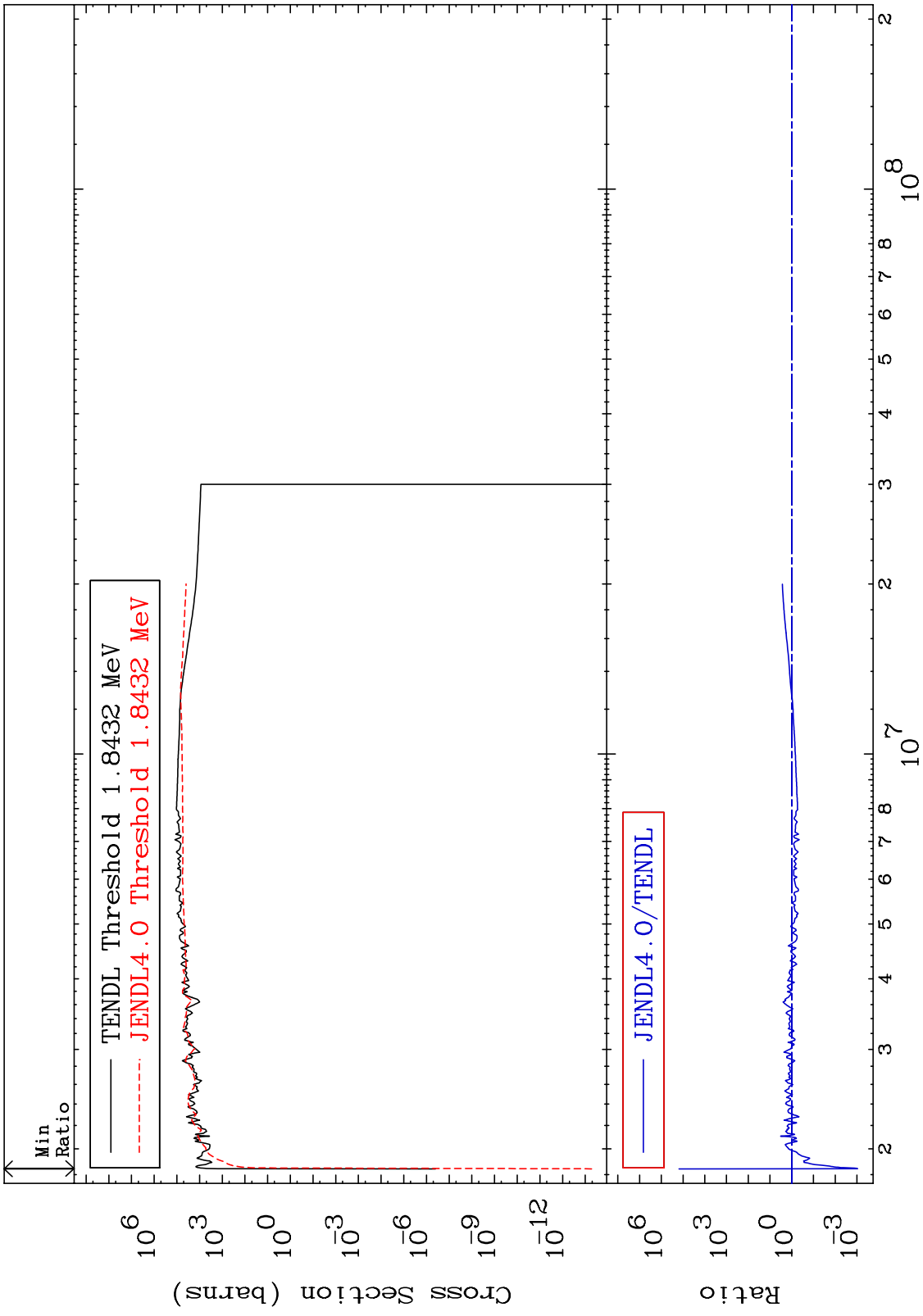
37 Incident Energy (eV) 14-Si-28

MAT 1425

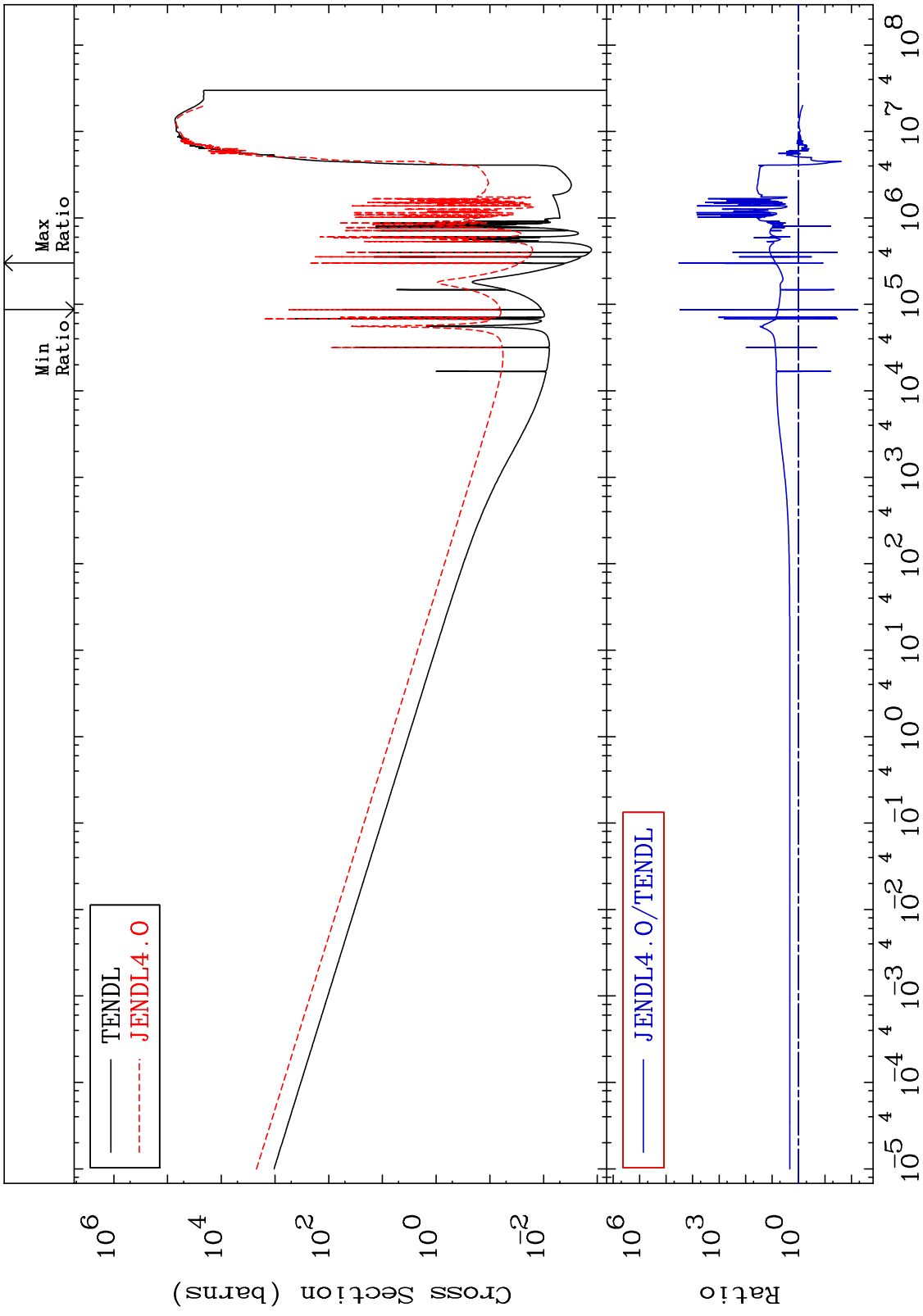
Dpa elastic (mt2)
Cross Section

14-Si-28
-95.82 To 451.6 %





MAT 1425 Dpa disappearance (mt102 -120) 14-Si-28
Cross Section -99.43 To 9999. %

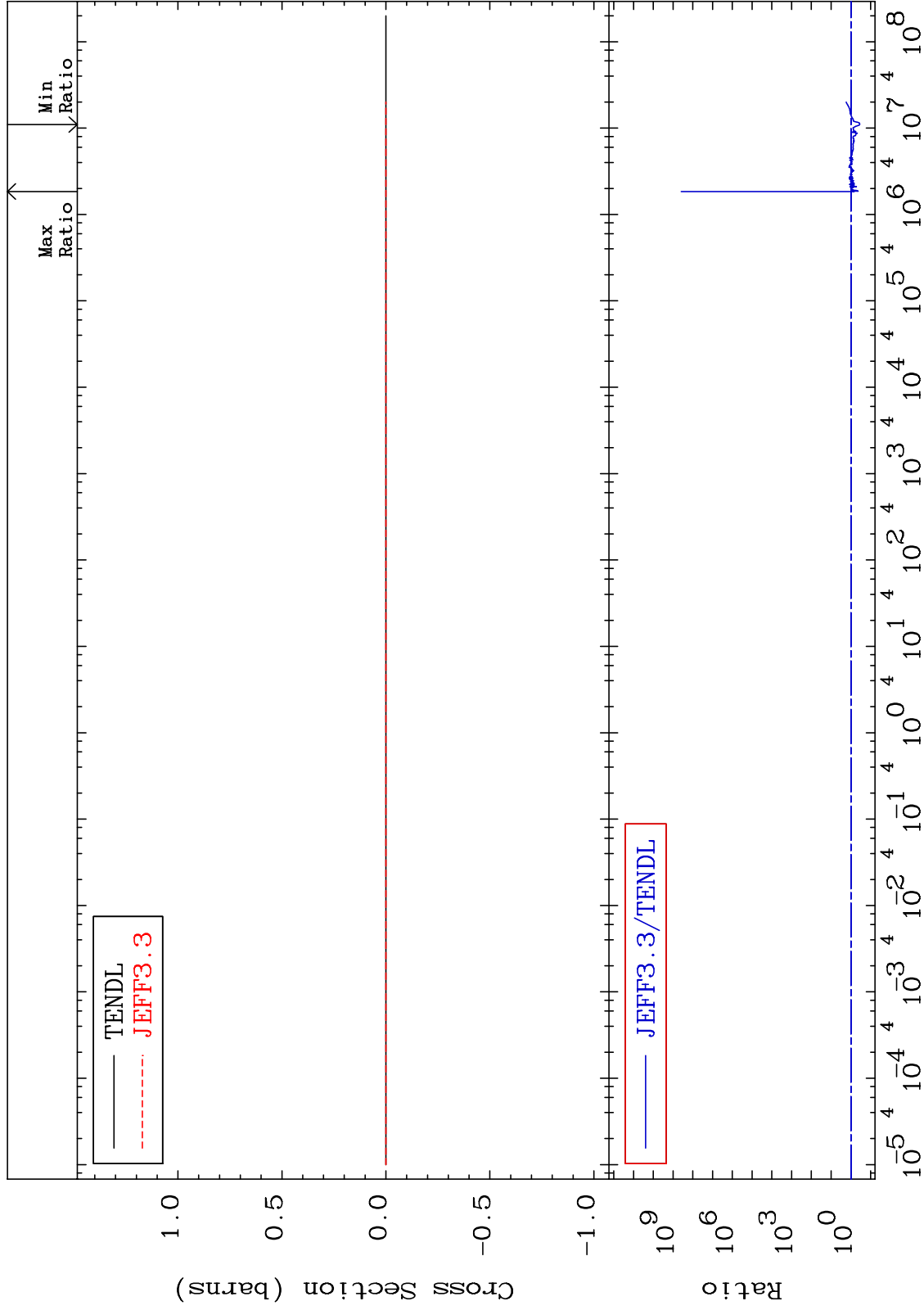


40 14-Si-28

MAT 1425

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

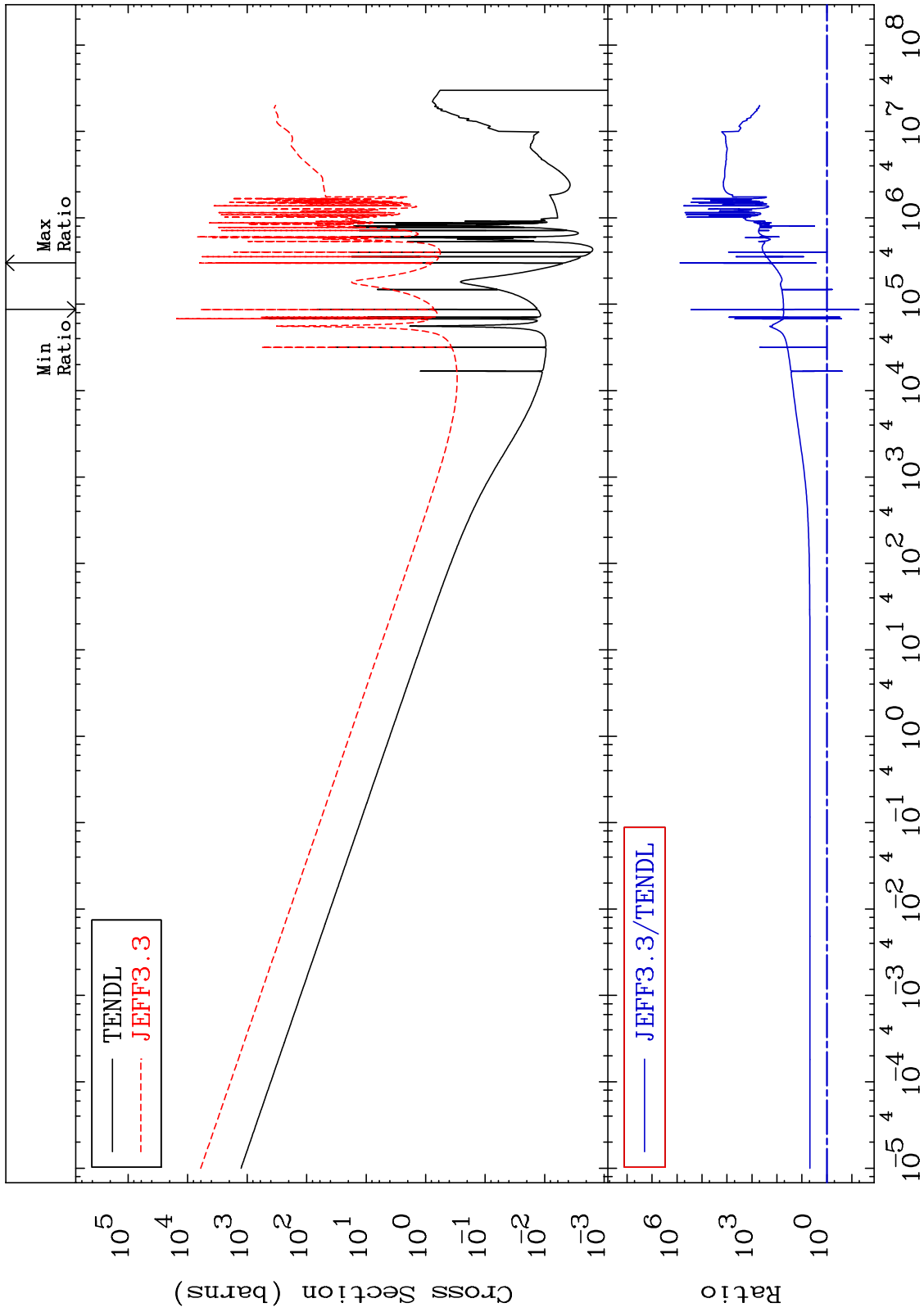
14-Si-28
-64.47 To 9999. %



MAT 1425

Kerma capture (mt102)
Cross Section

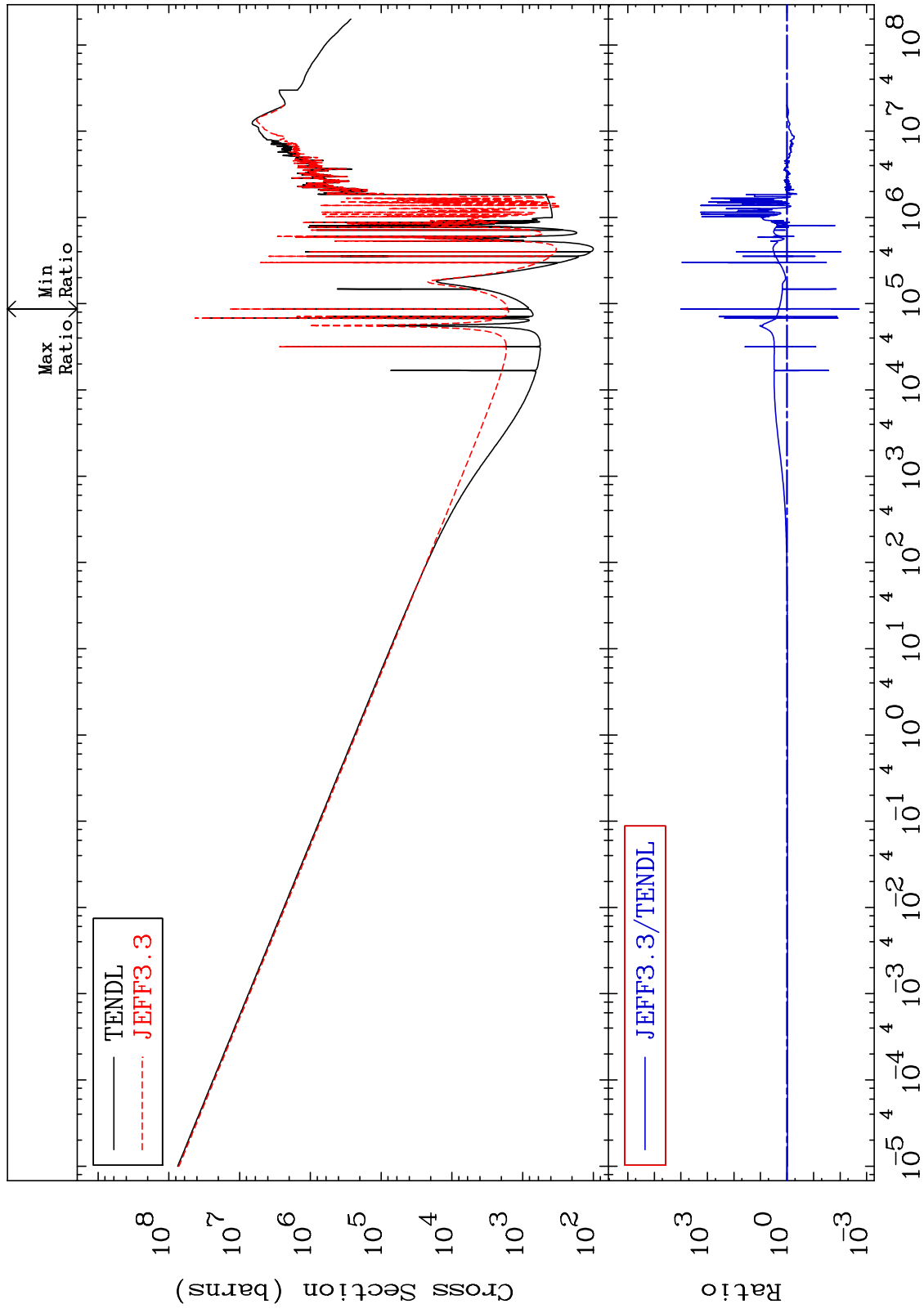
14-Si-28
-94.78 To 9999. %



MAT 1425

Total photon (eV-barns)
Cross Section

14-Si-28
-99.81 To 9999. %

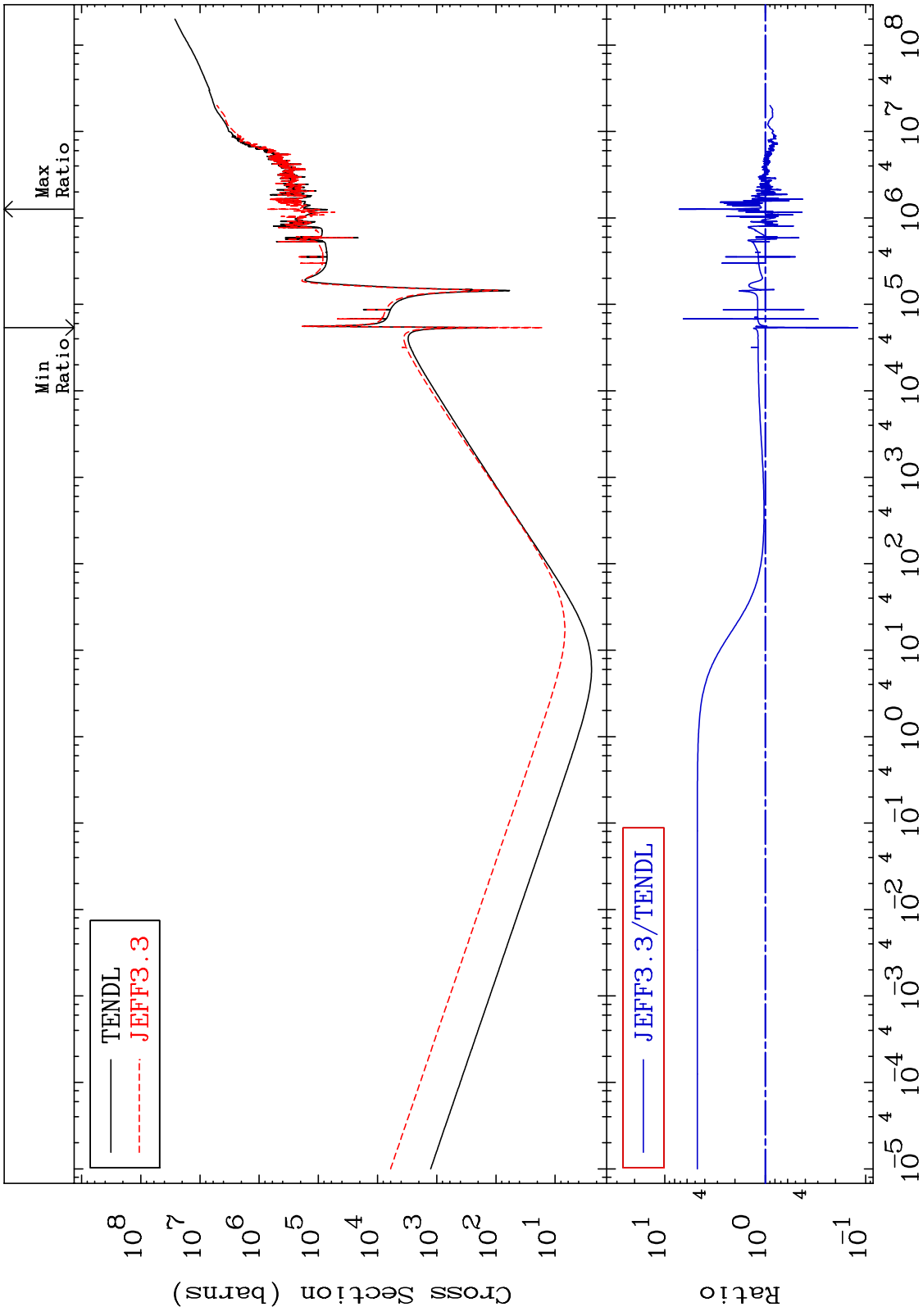


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Incident Energy (eV)

14-Si-28

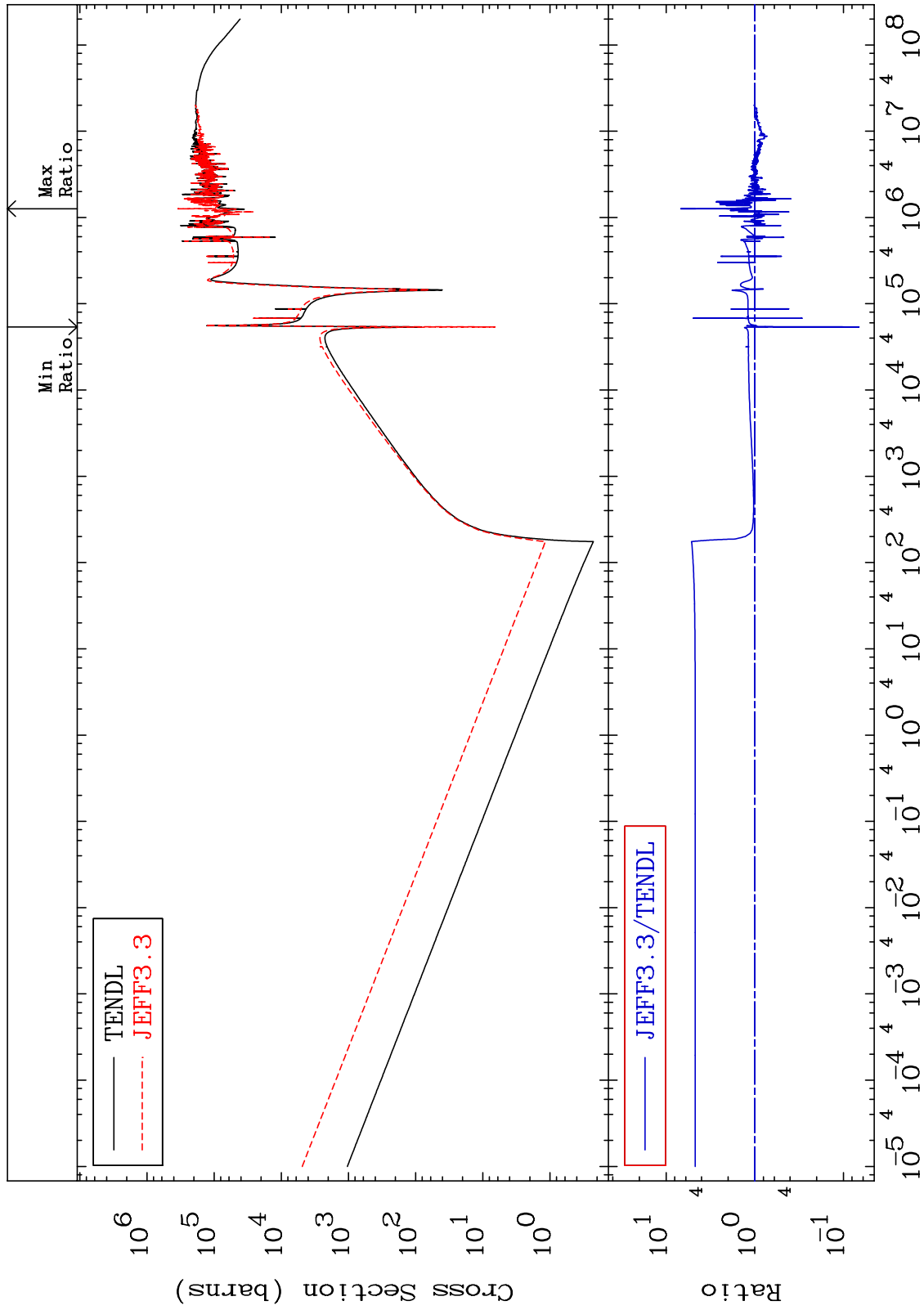
MAT 1425 Total kinematic kerma (high limit) 14-Si-28
 Cross Section -88.01 To 621.8 %



MAT 1425

Dpa total (eV-barns)
Cross Section

14-Si-28
-93.33 To 586.1 %

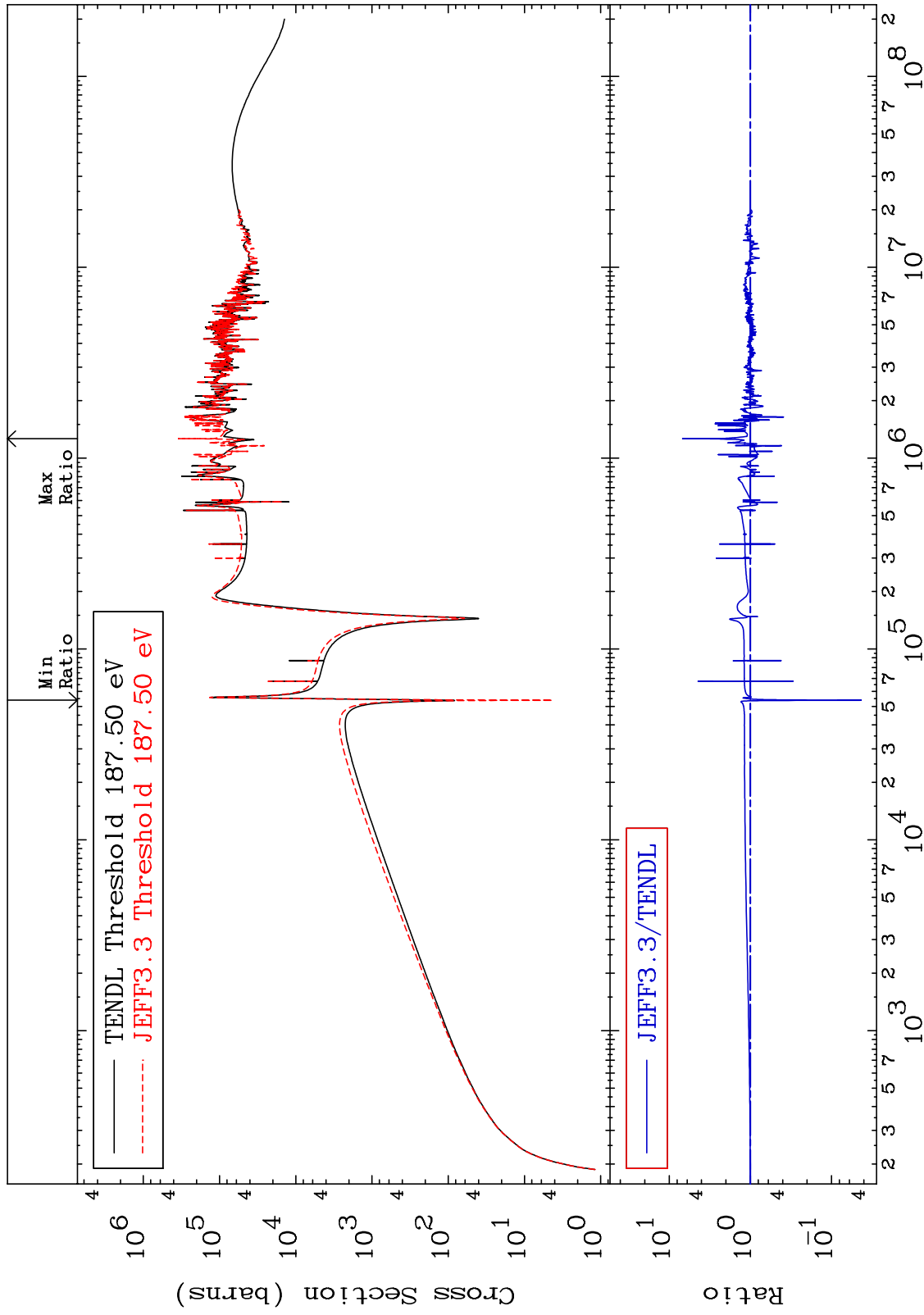


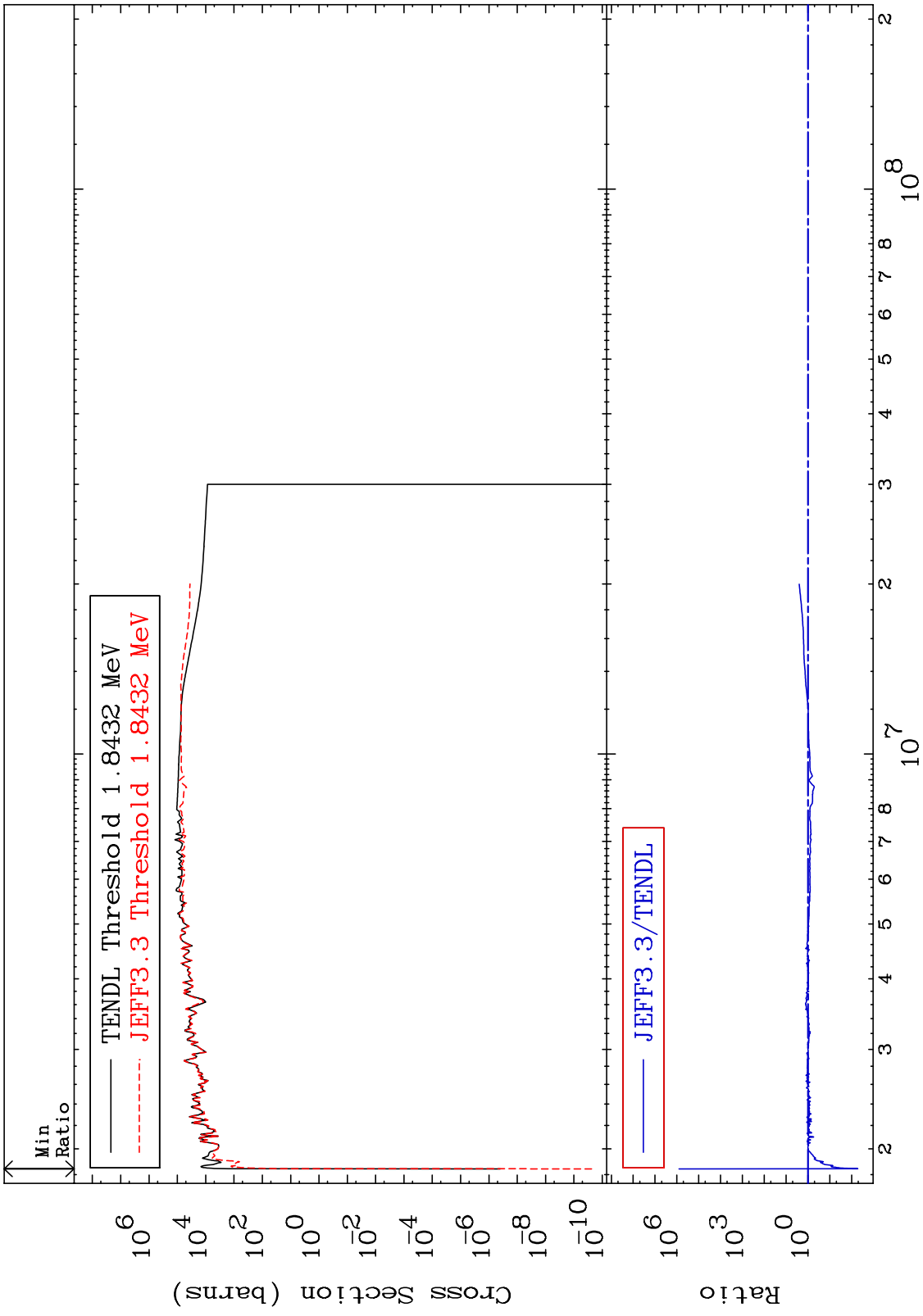
MAT 1425

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. %

