

Program Complot
(Version 2018-1)

by

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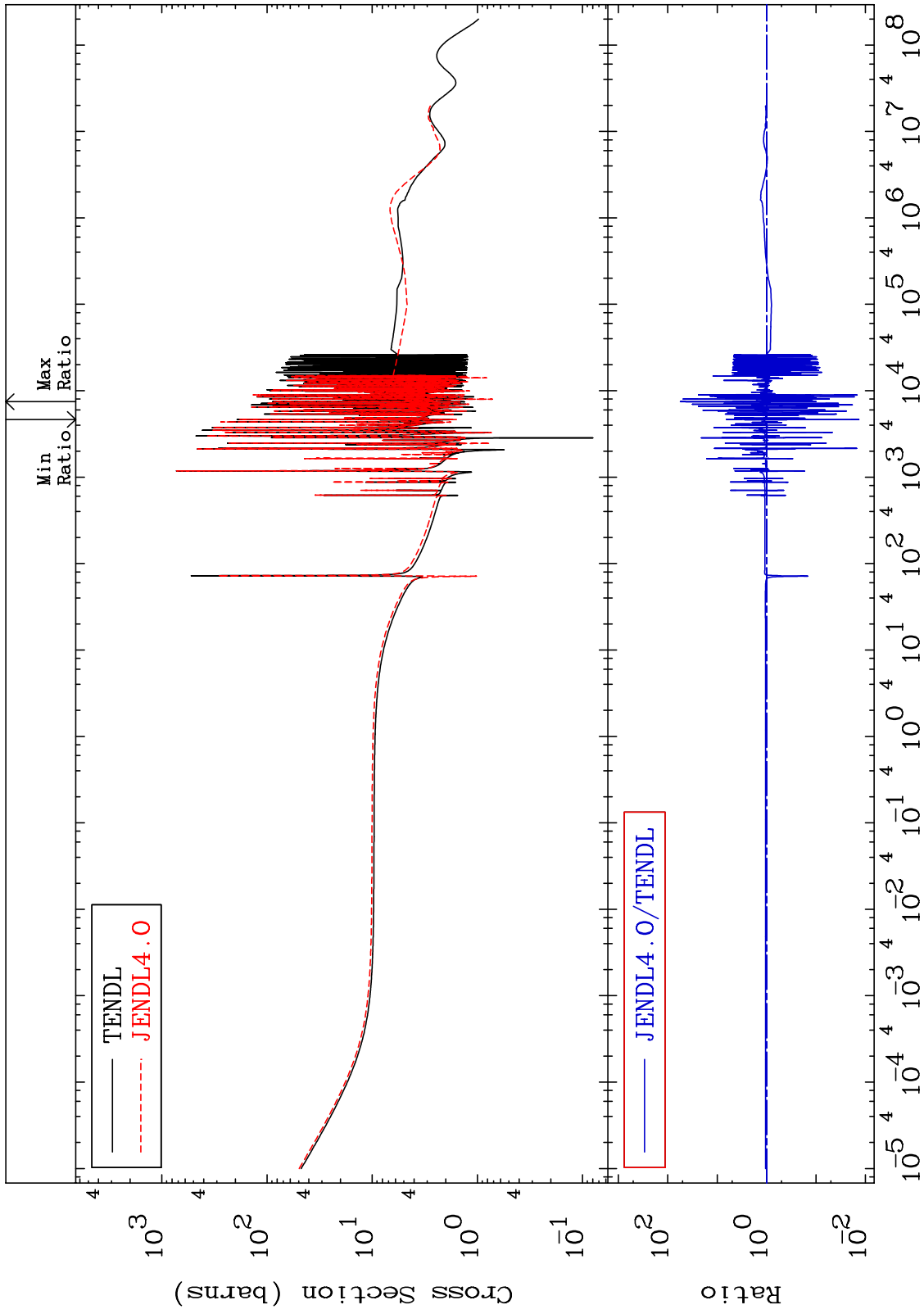
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5728

Elastic
Cross Section

57-La-139
-98.64 To 5500. %

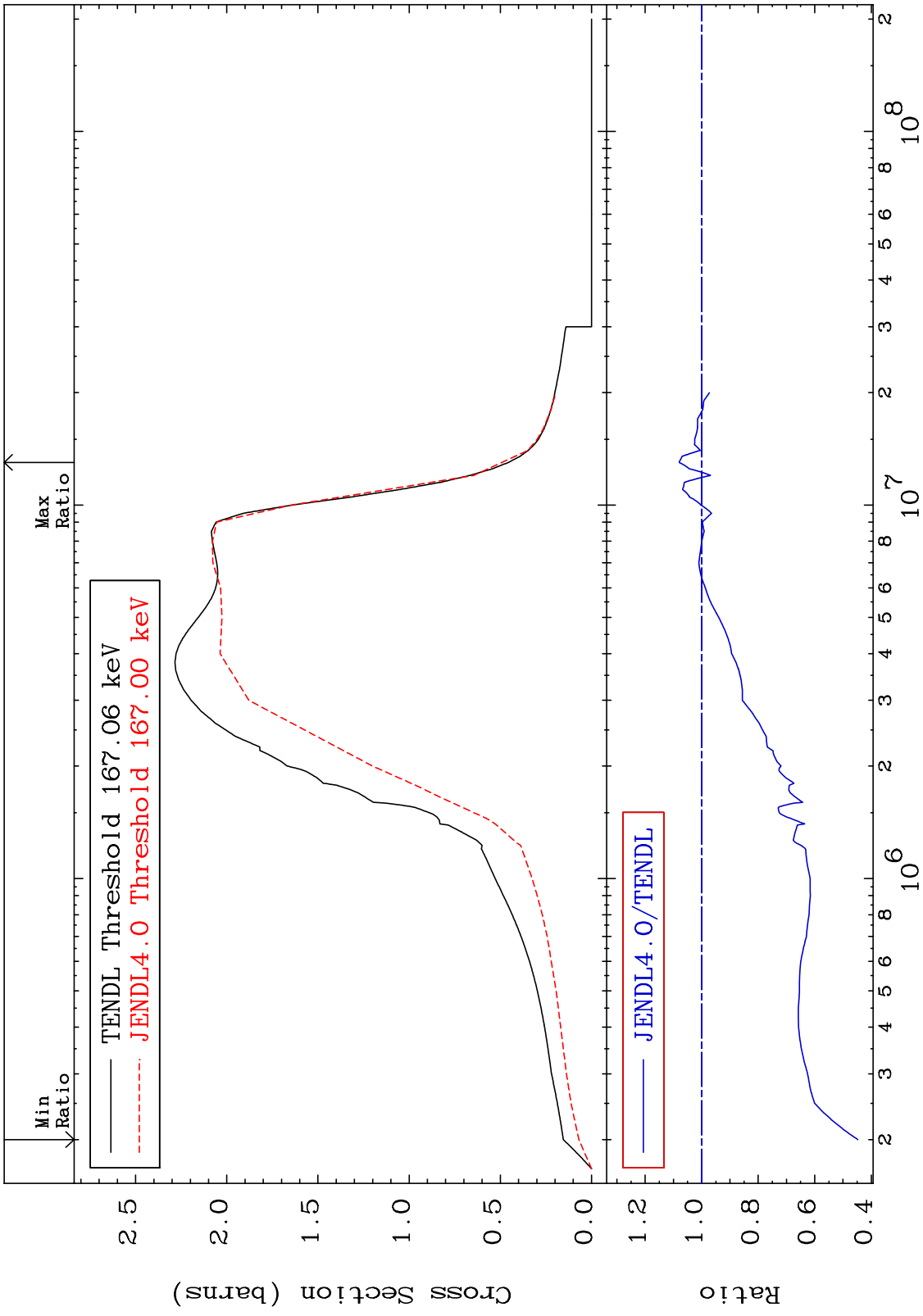


2

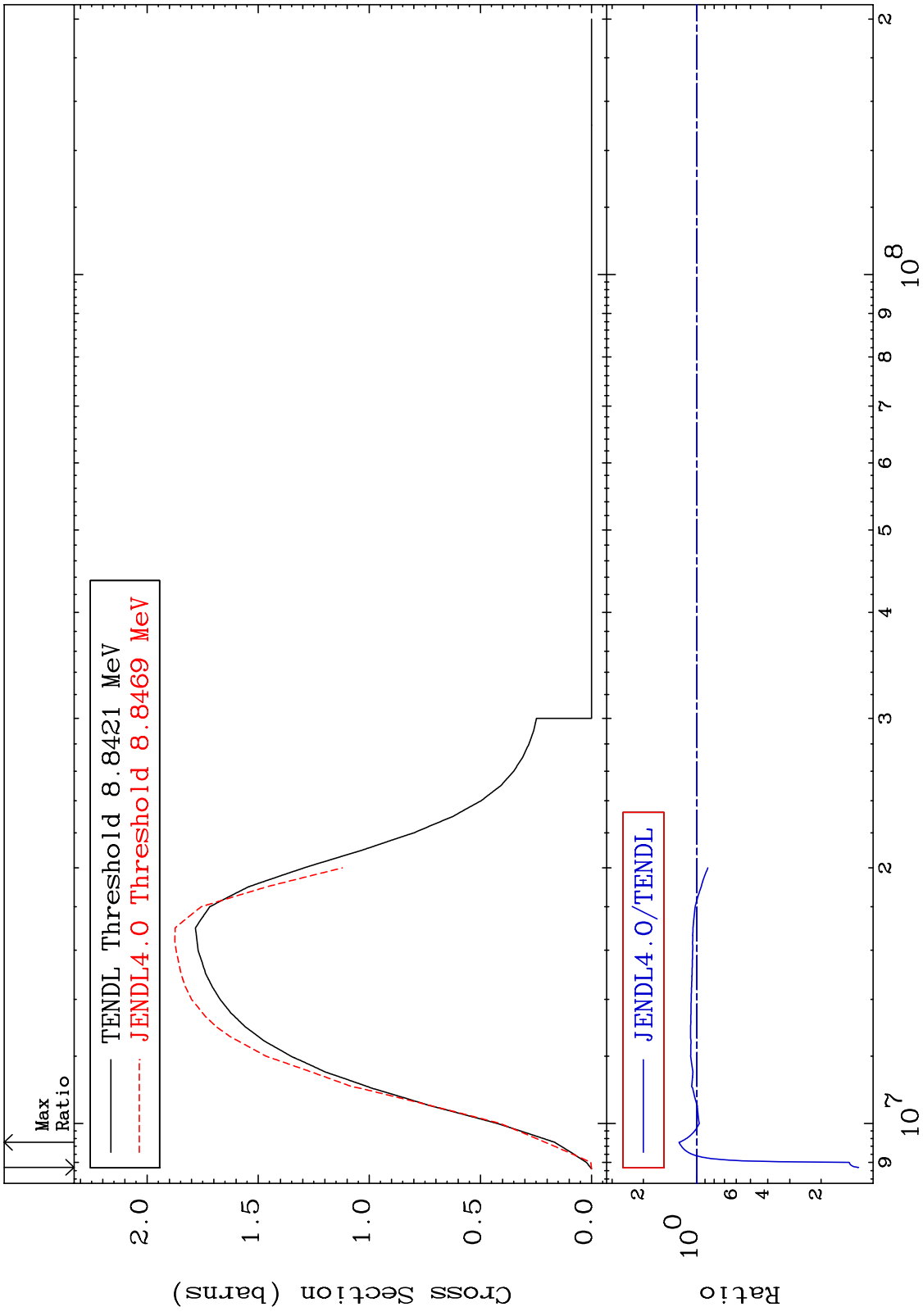
Incident Energy (eV)

57-La-139

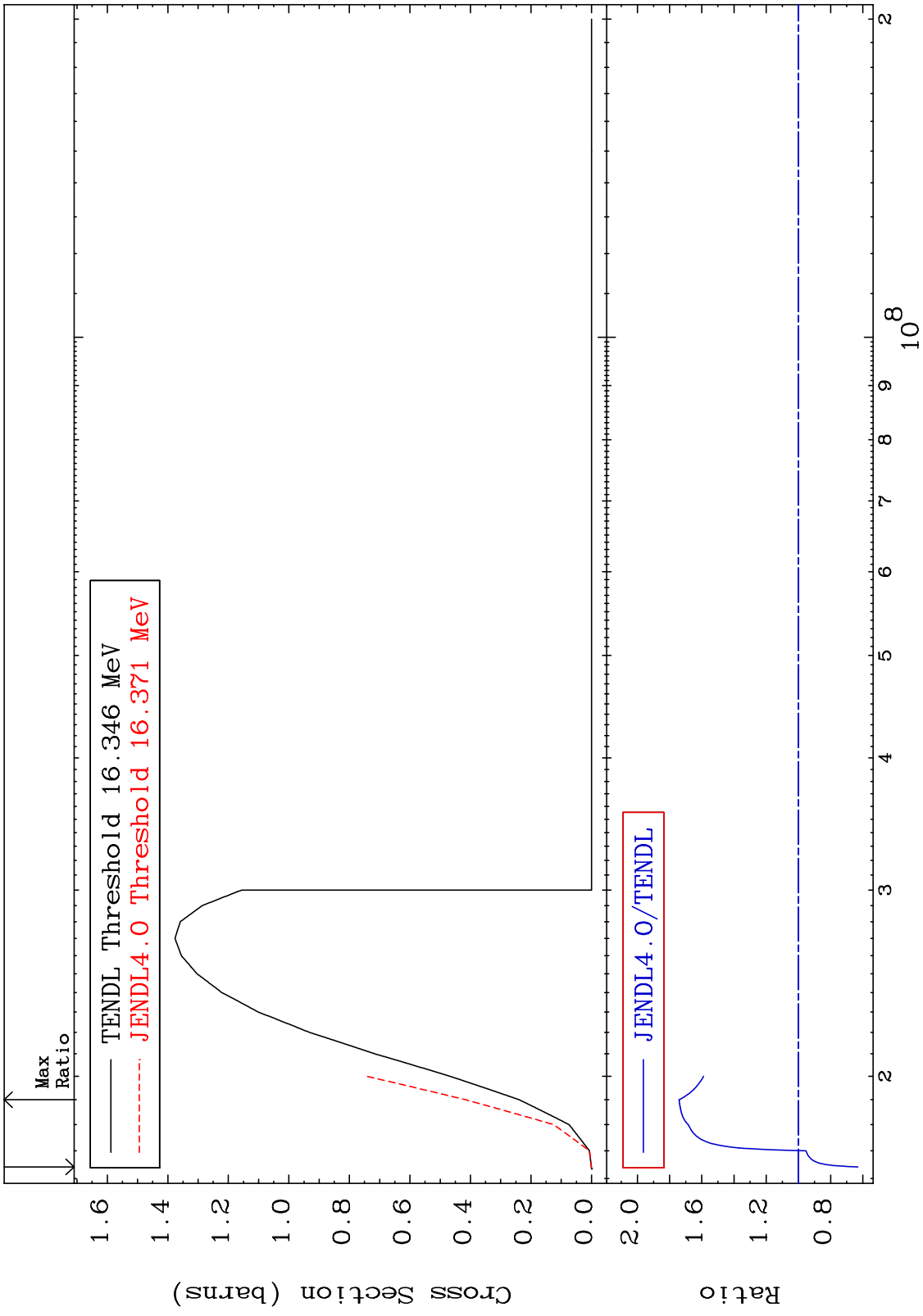
MAT 5728 57-La-139 Inelastic Cross Section -55.24 To 8.007 %

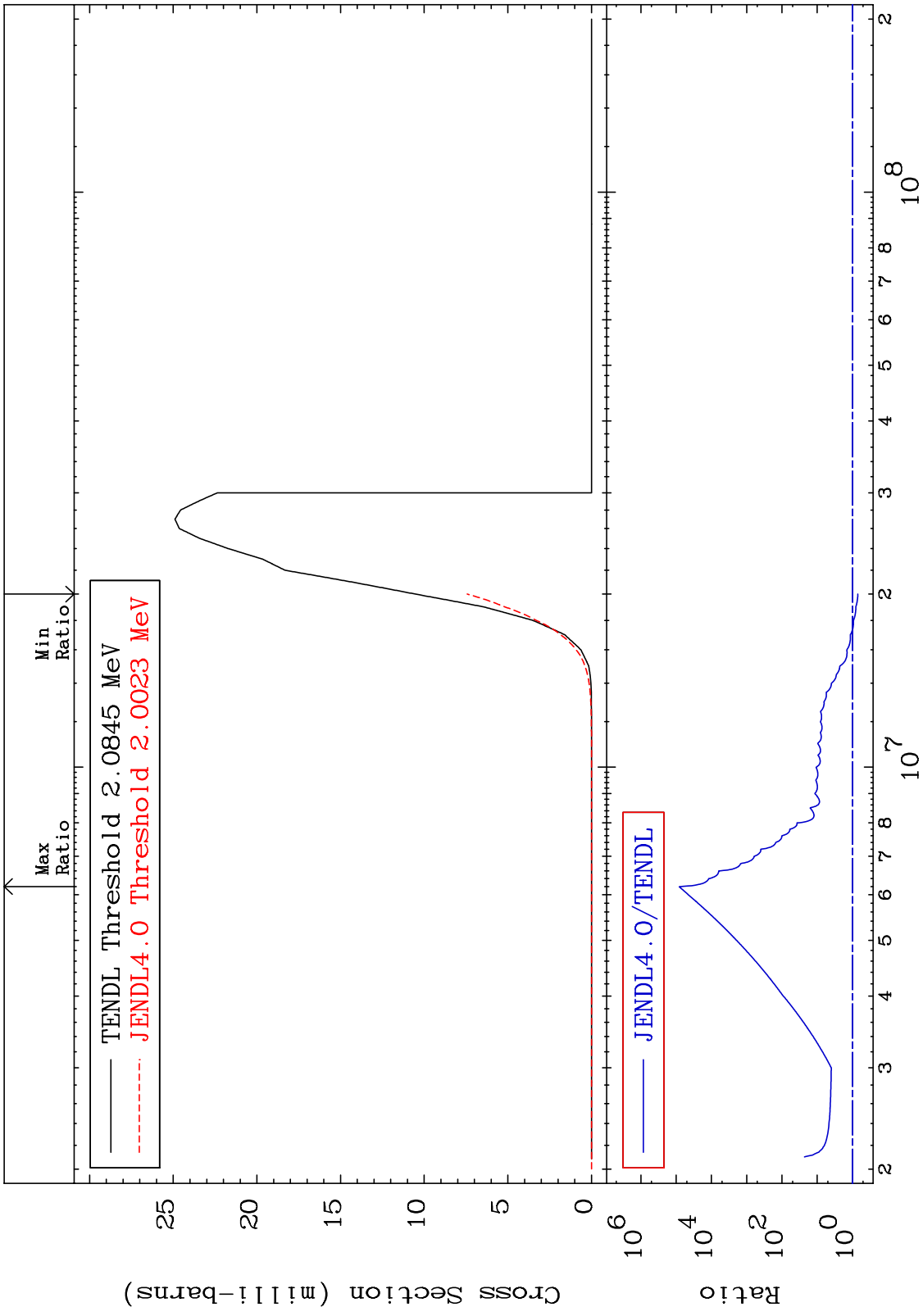


MAT 5728 (n,2n) Cross Section 57-La-139 -87.56 To 25.91 %

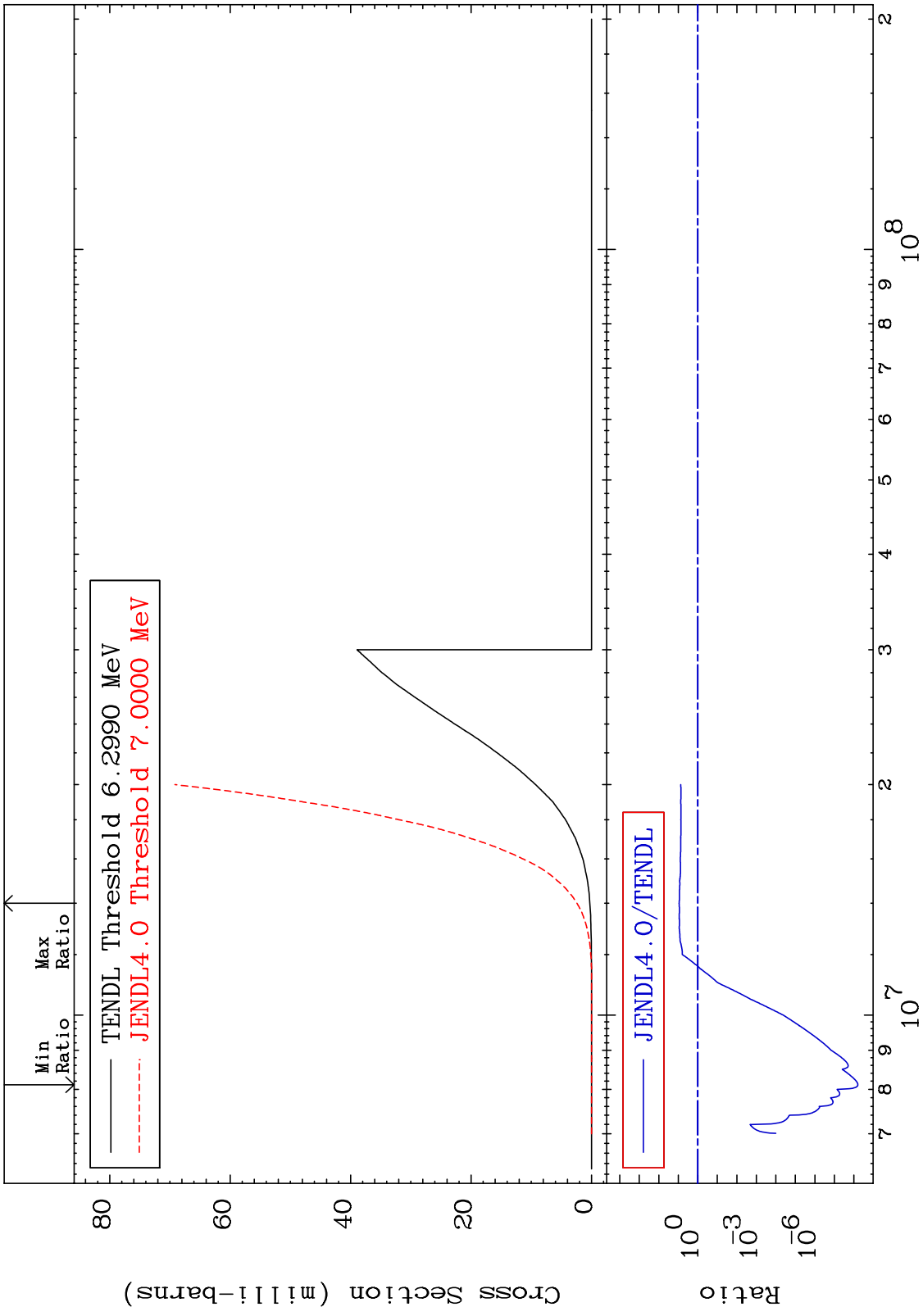


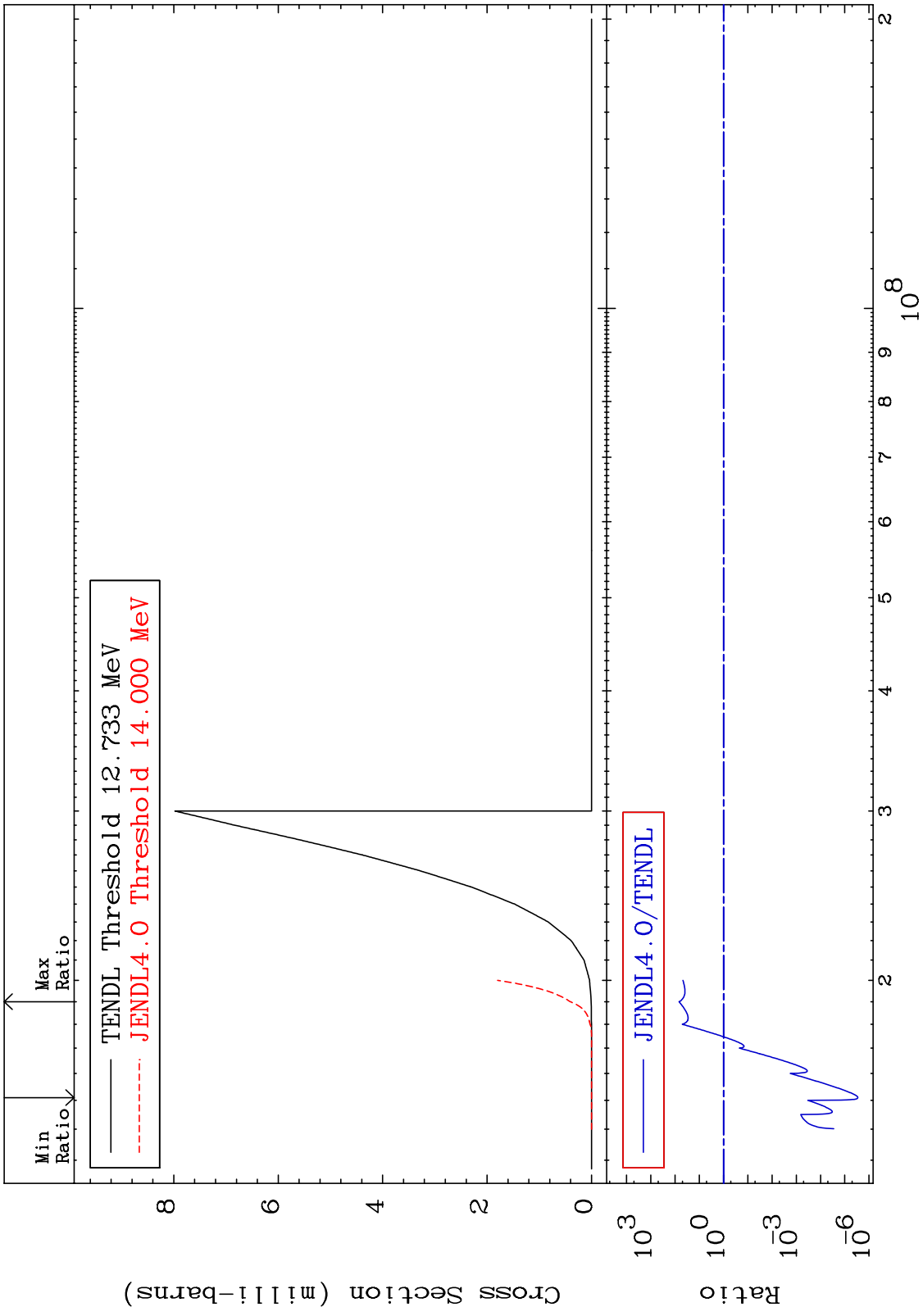
MAT 5728 (n,3n) Cross Section 57-La-139 -36.90 To 74.14 %

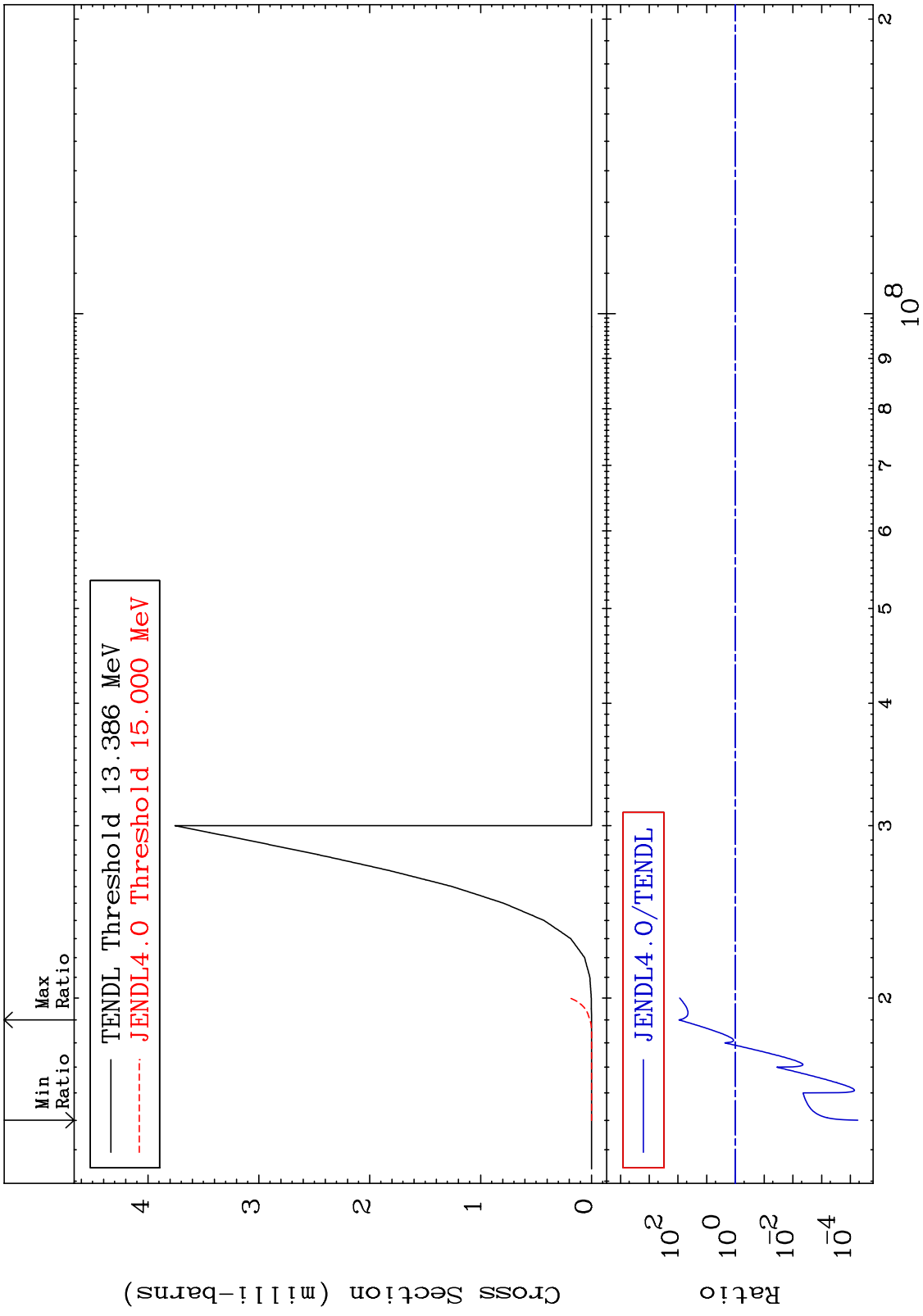




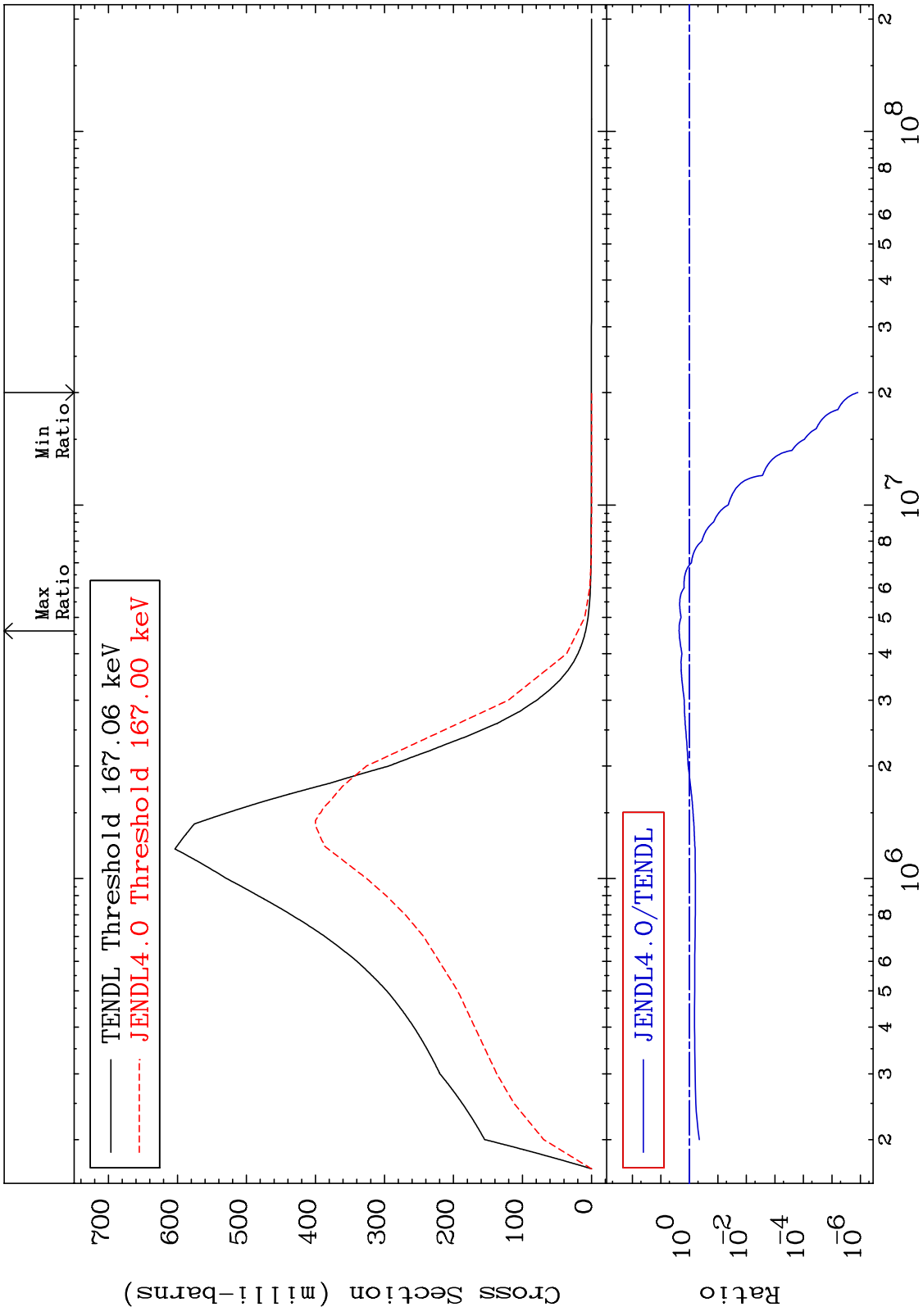
MAT 5728 57-La-139
-100.0 To 814.1 %
 (n,n') p
 Cross Section





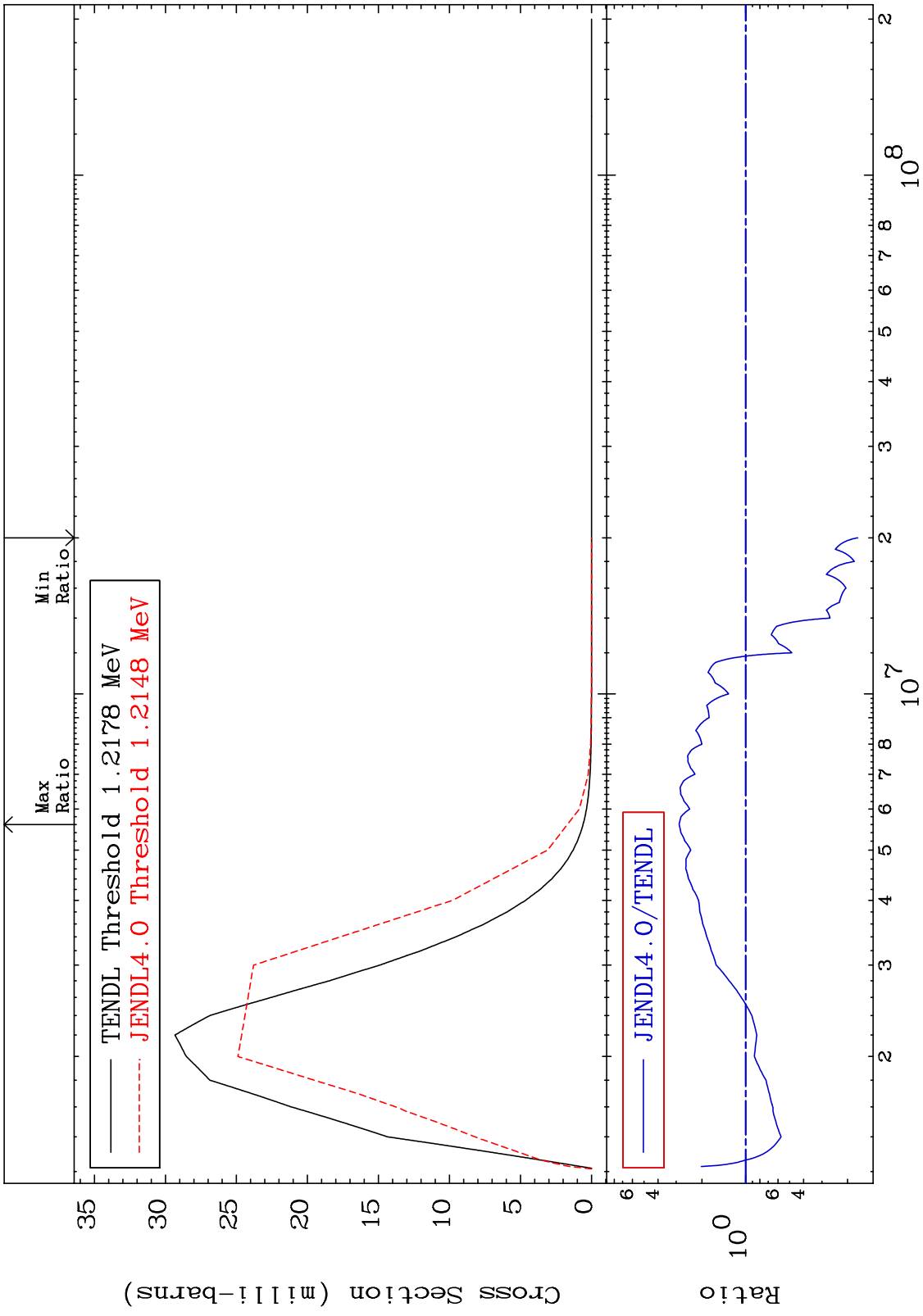


MAT 5728 MT= 51 (n,n') Level Cross Section 57-La-139 -100.0 To 130.4 %

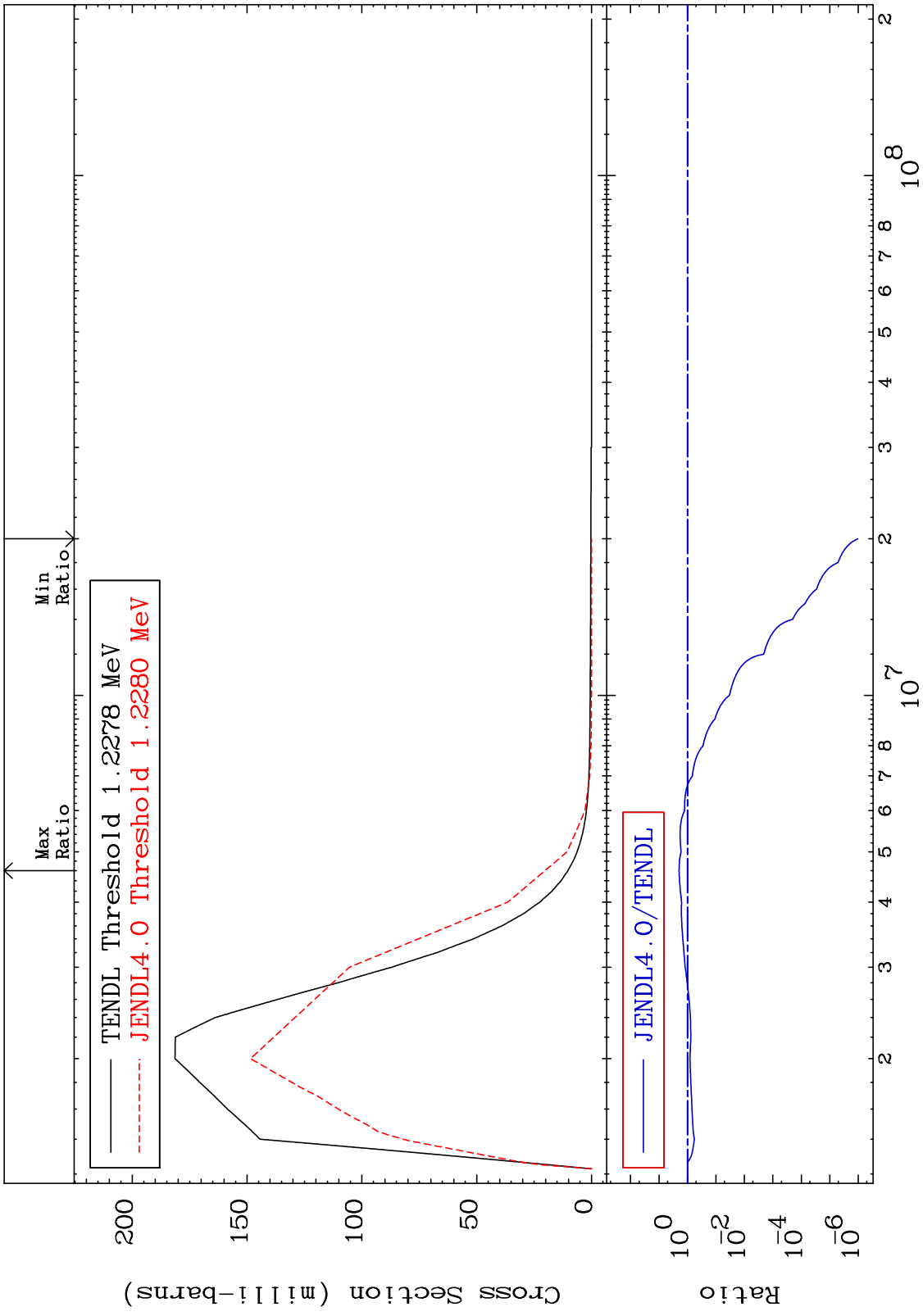


10 57-La-139

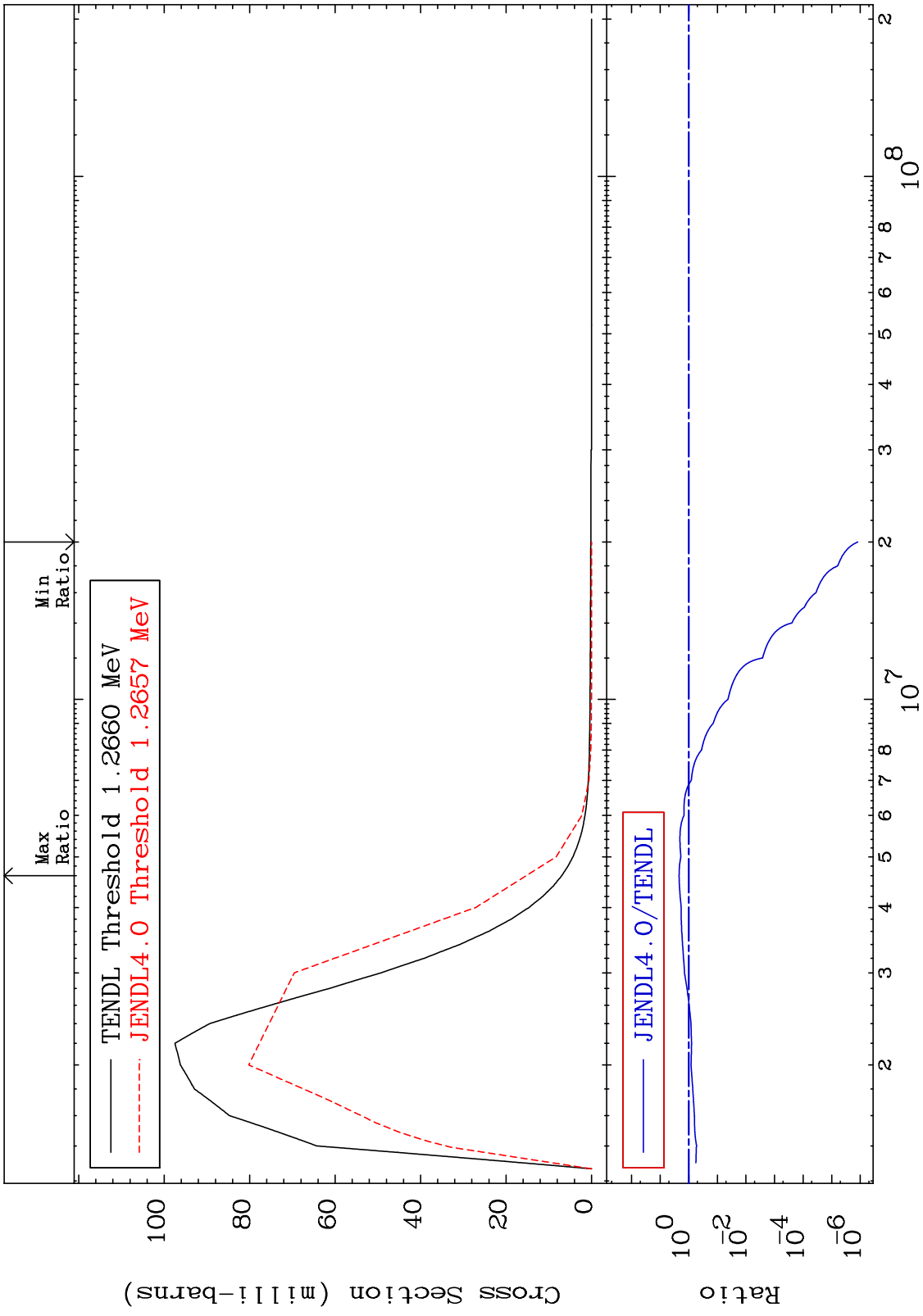
MAT 5728 MT= 52 (n,n') Level Cross Section 57-La-139 -83.02 To 187.0 %



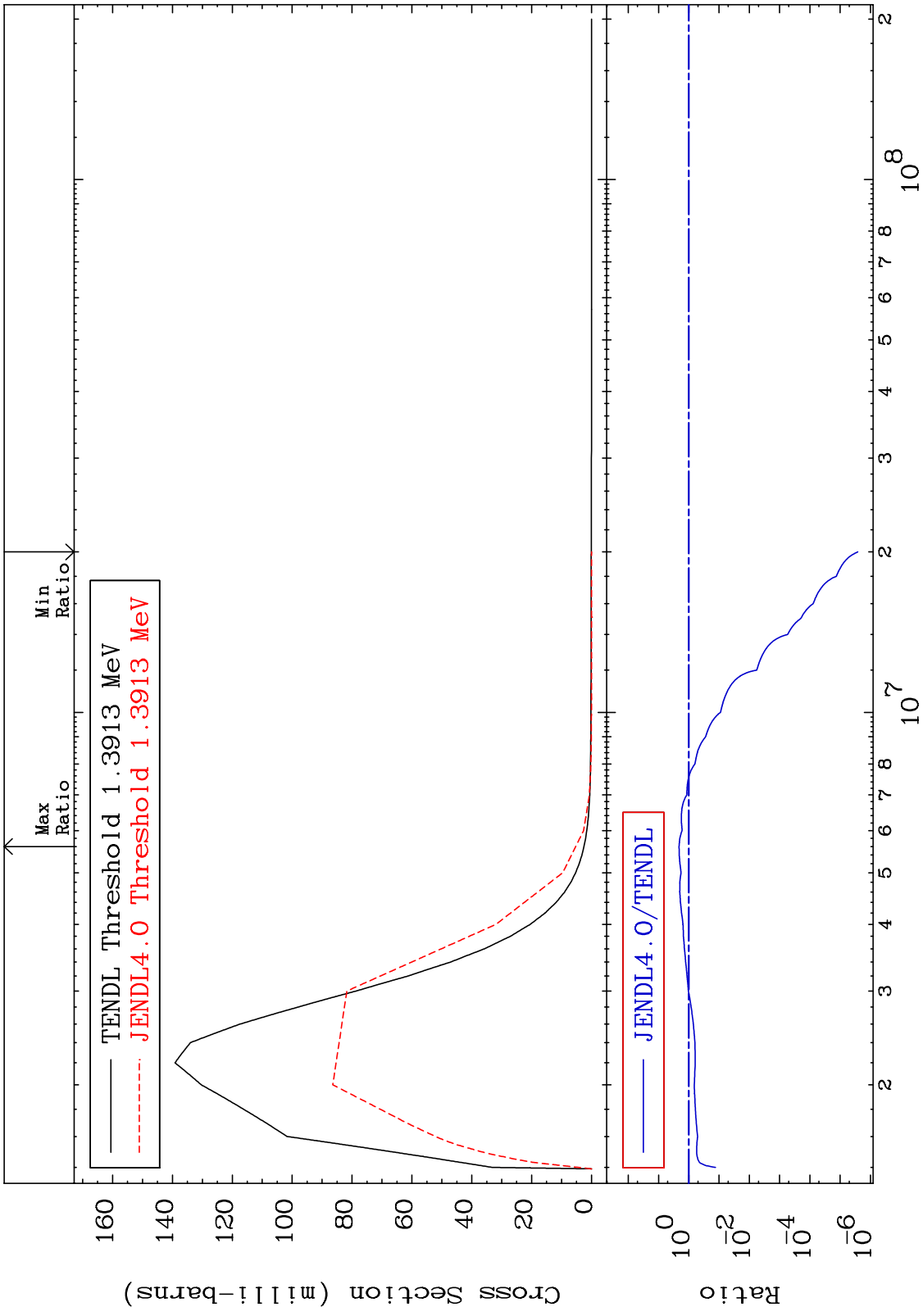
MAT 5728 MT= 53 (n,n') Level Cross Section 57-La-139 -100.0 To 97.72 %



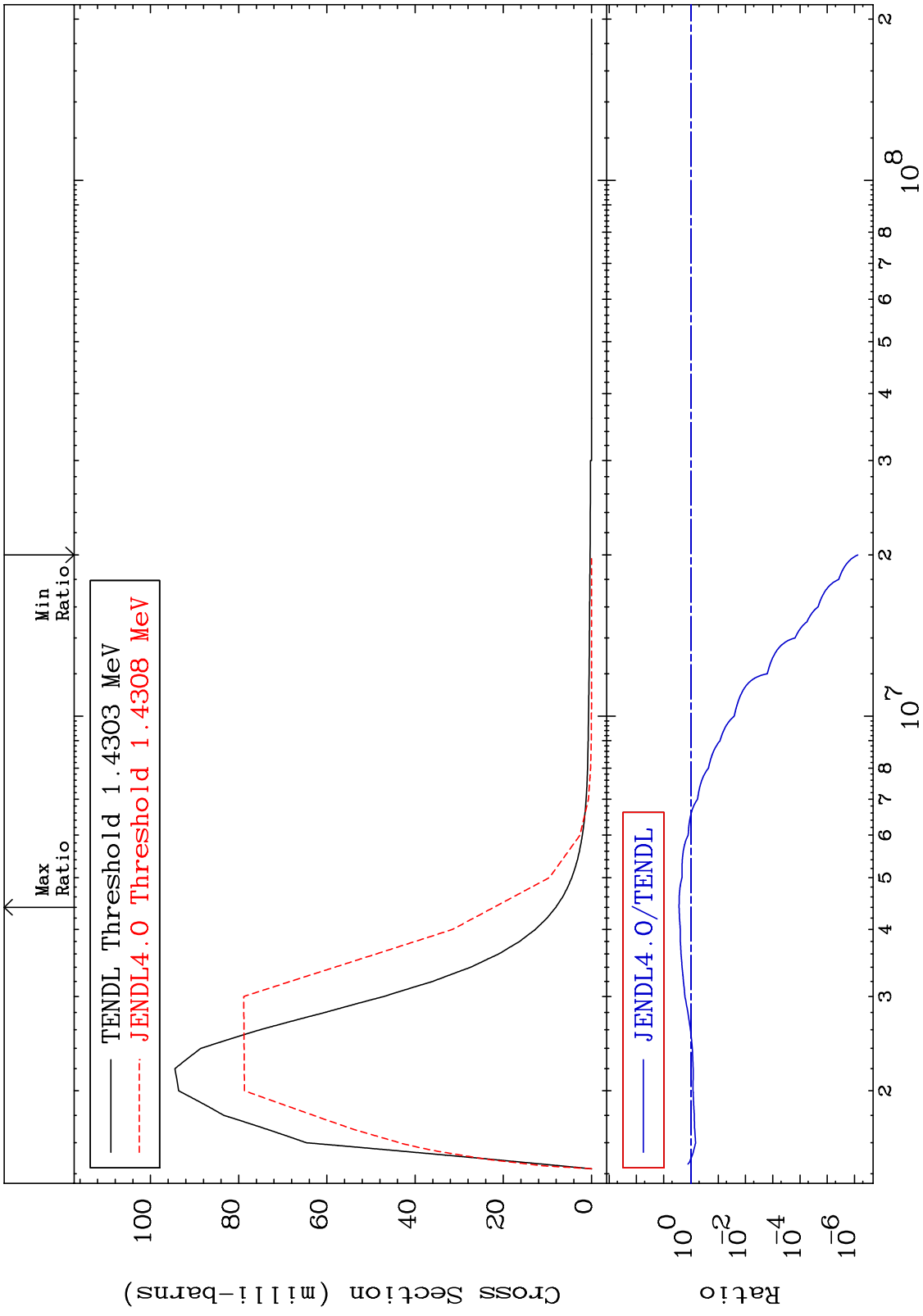
MAT 5728 MT= 54 (n,n') Level Cross Section 57-La-139 -100.0 To 119.4 %



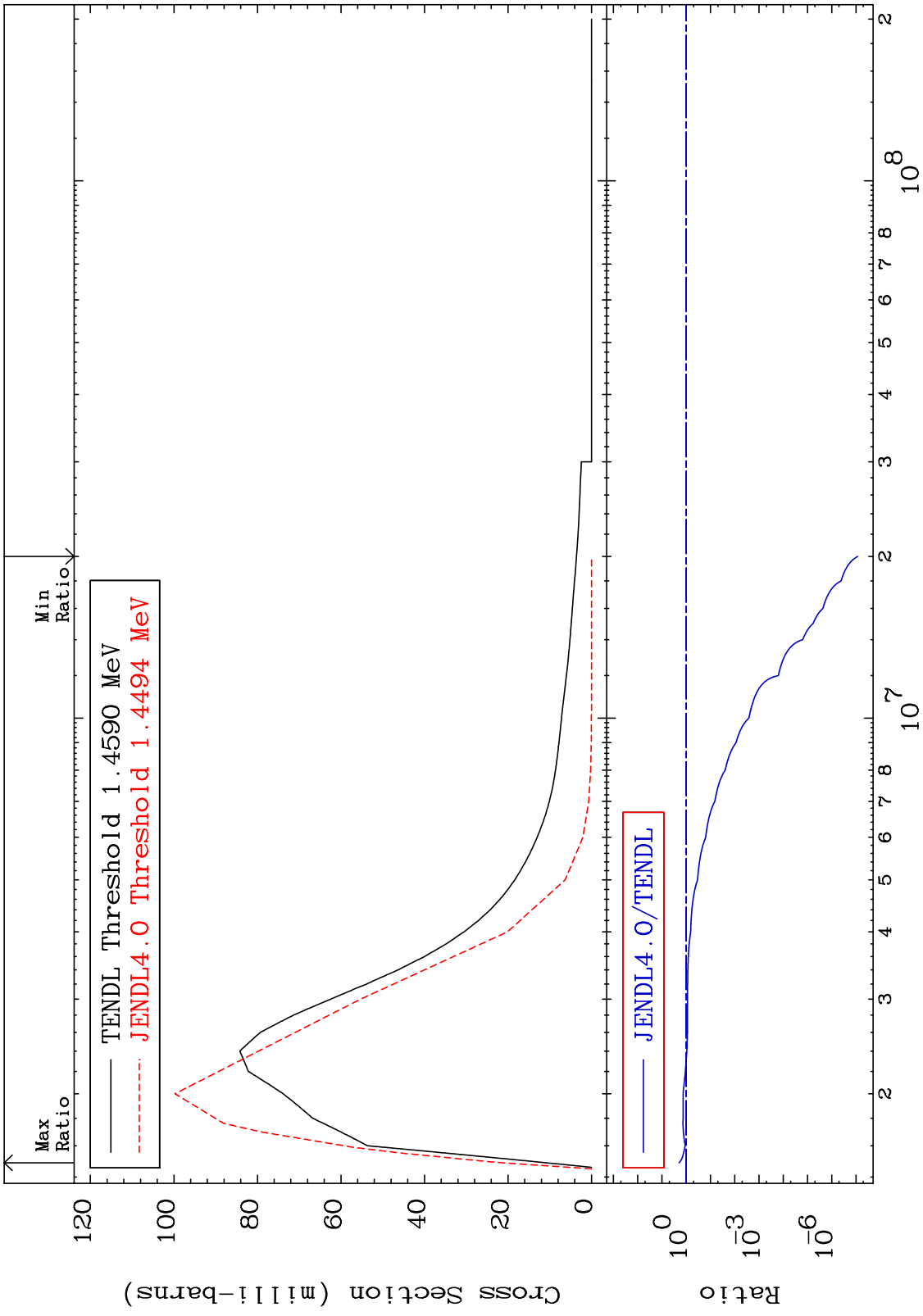
MAT 5728 MT= 55 (n,n') Level Cross Section 57-La-139 -100.0 To 110.5 %



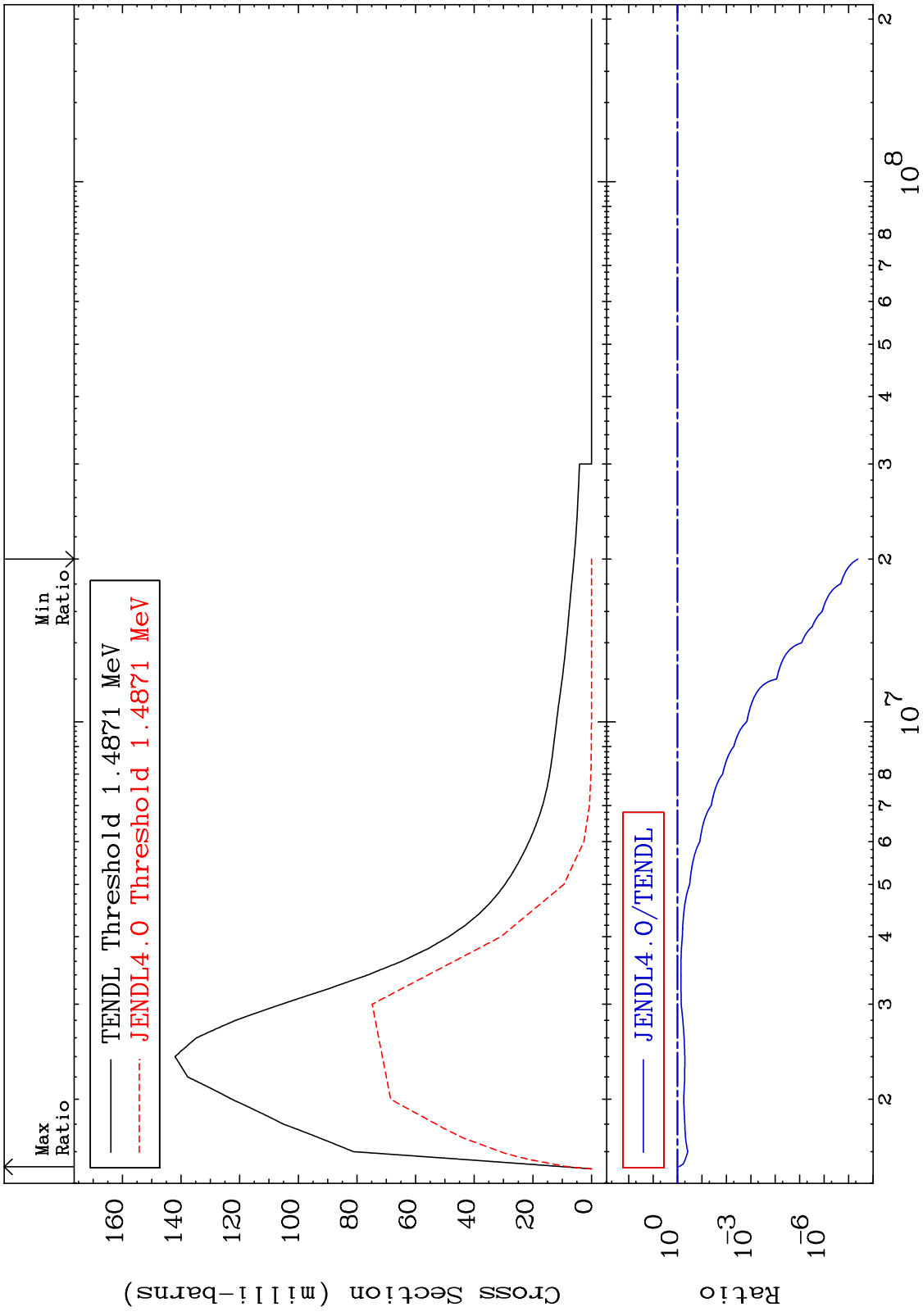
MAT 5728 MT= 56 (n,n') Level Cross Section 57-La-139 -100.0 To 173.8 %



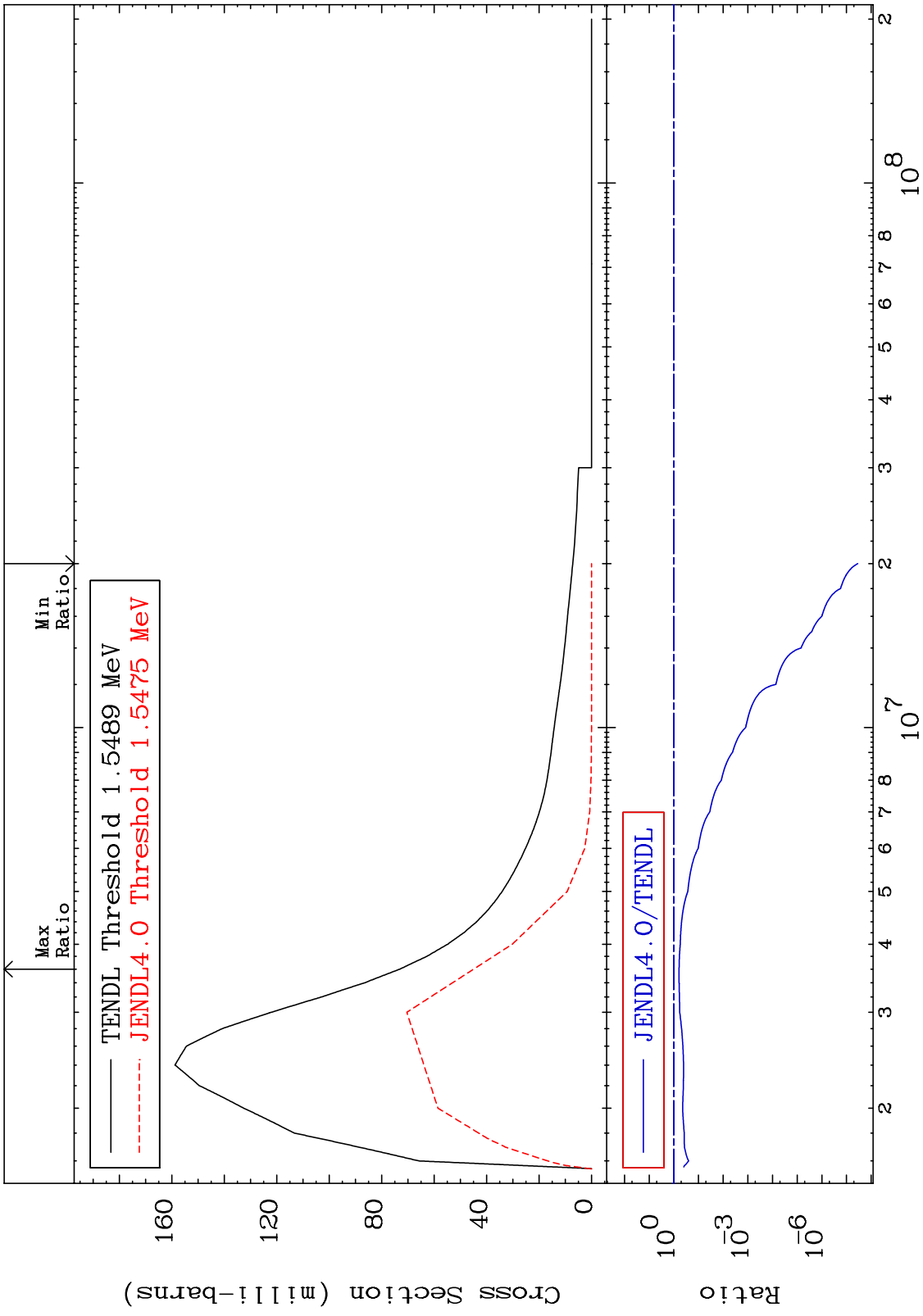
MAT 5728 MT= 57 (n,n') Level Cross Section 57-La-139 -100.0 To 98.37 %



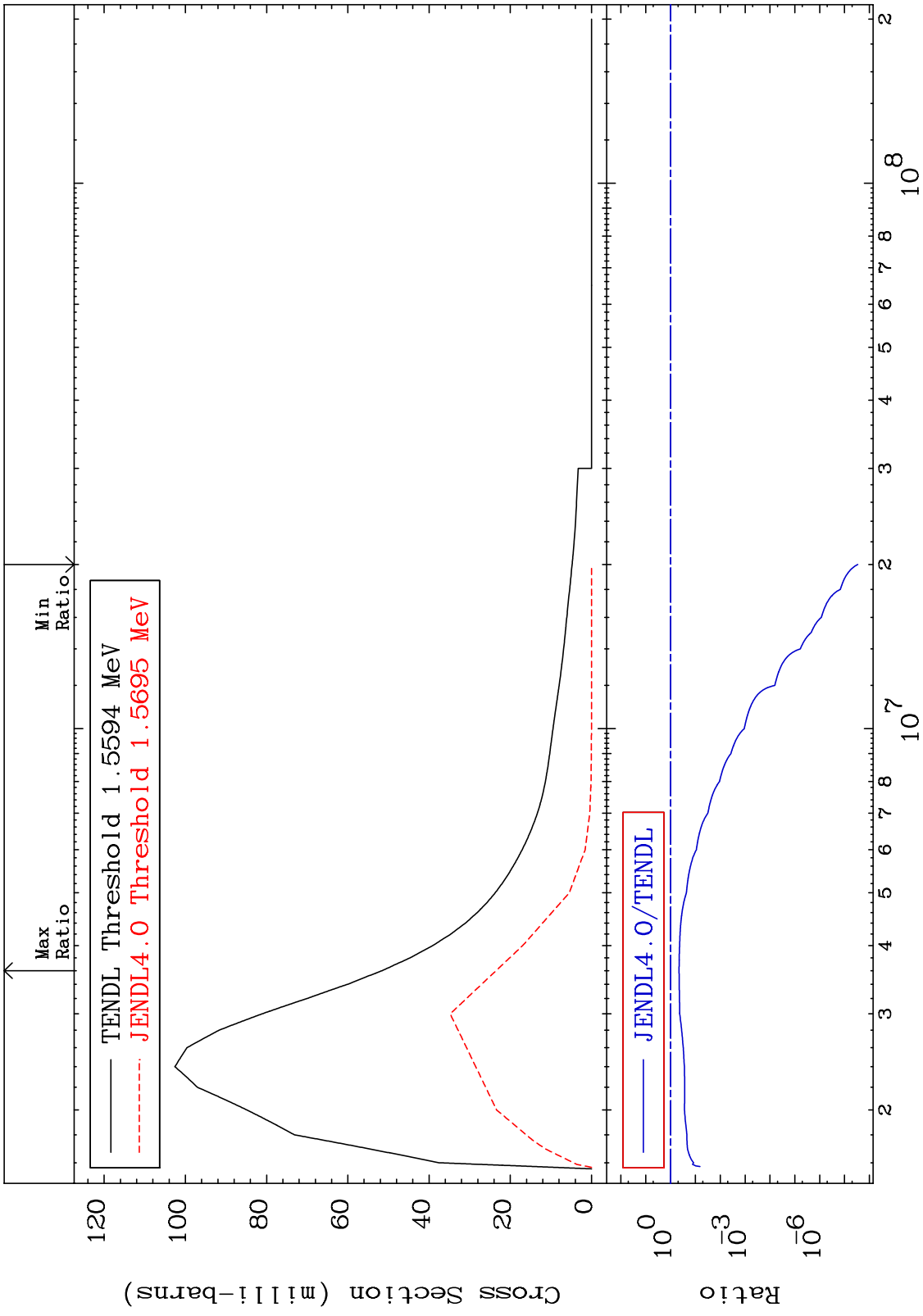
MAT 5728 MT= 58 (n,n') Level Cross Section 57-La-139 -100.0 To -13.31%



MAT 5728 MT= 59 (n,n') Level Cross Section 57-La-139 -100.0 To -38.50%

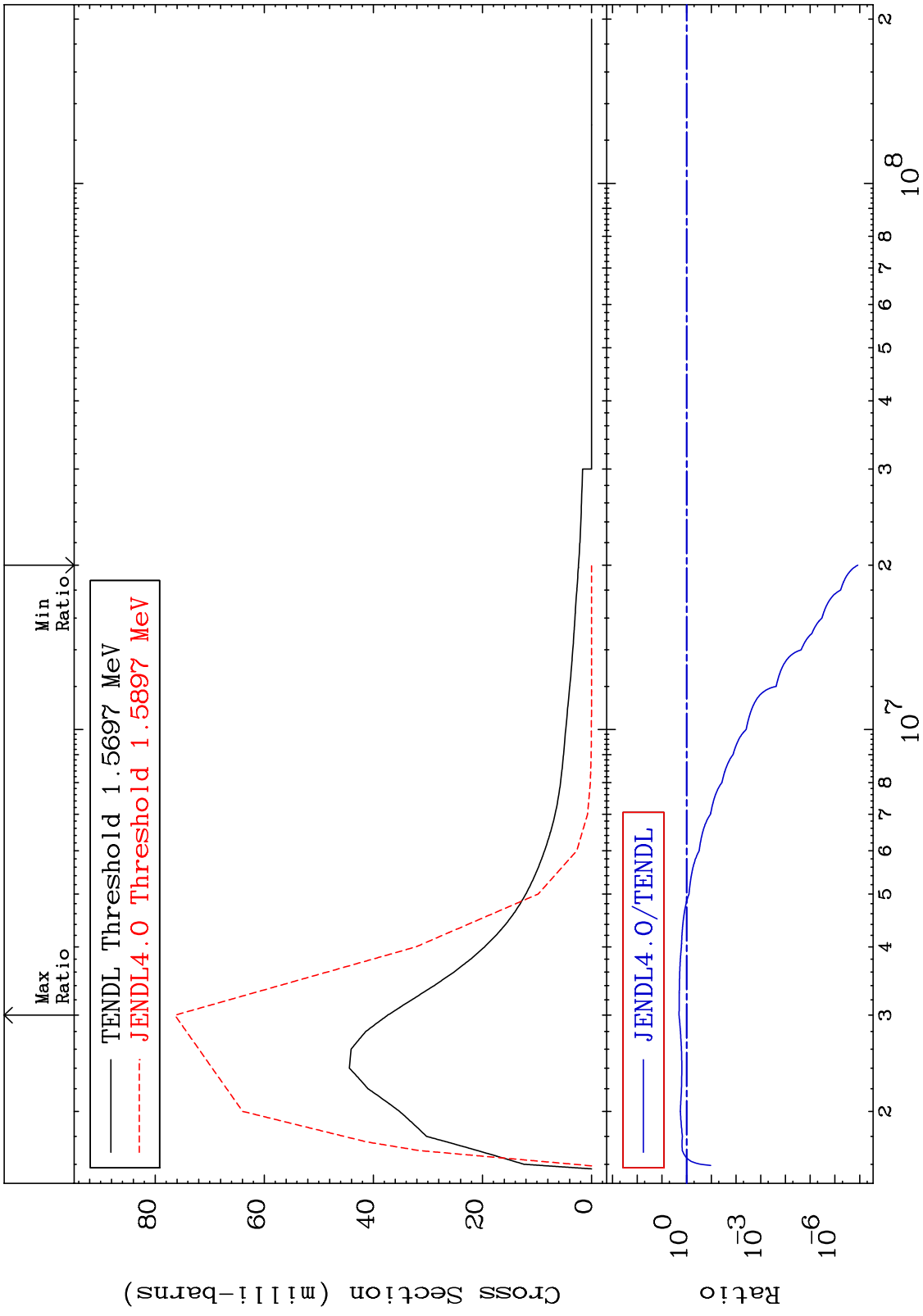


MAT 5728 MT= 60 (n,n') Level Cross Section 57-La-139 -100.0 To -54.40%

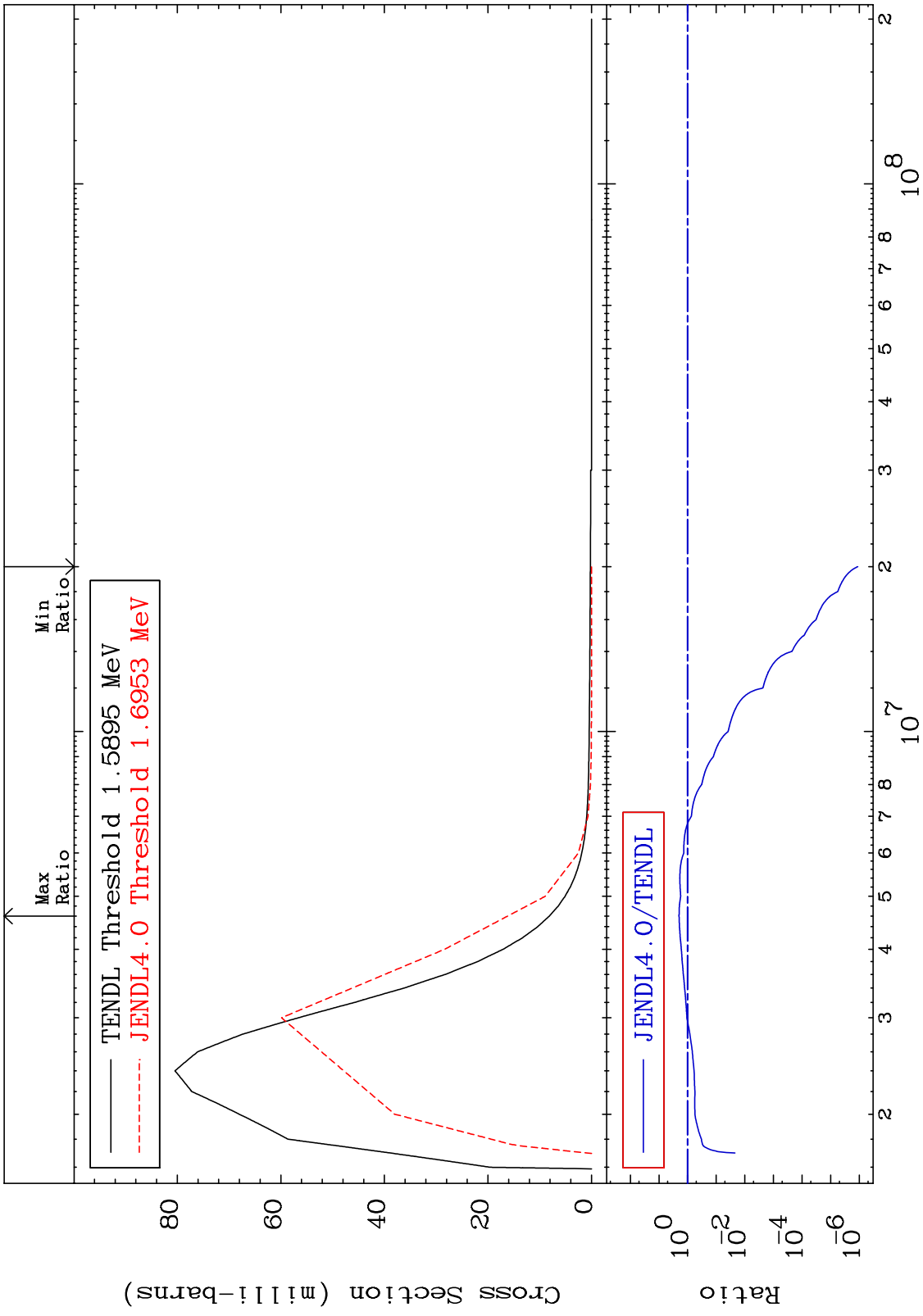


19 57-La-139

MAT 5728 MT= 61 (n,n') Level Cross Section 57-La-139 -100.0 To 104.4 %



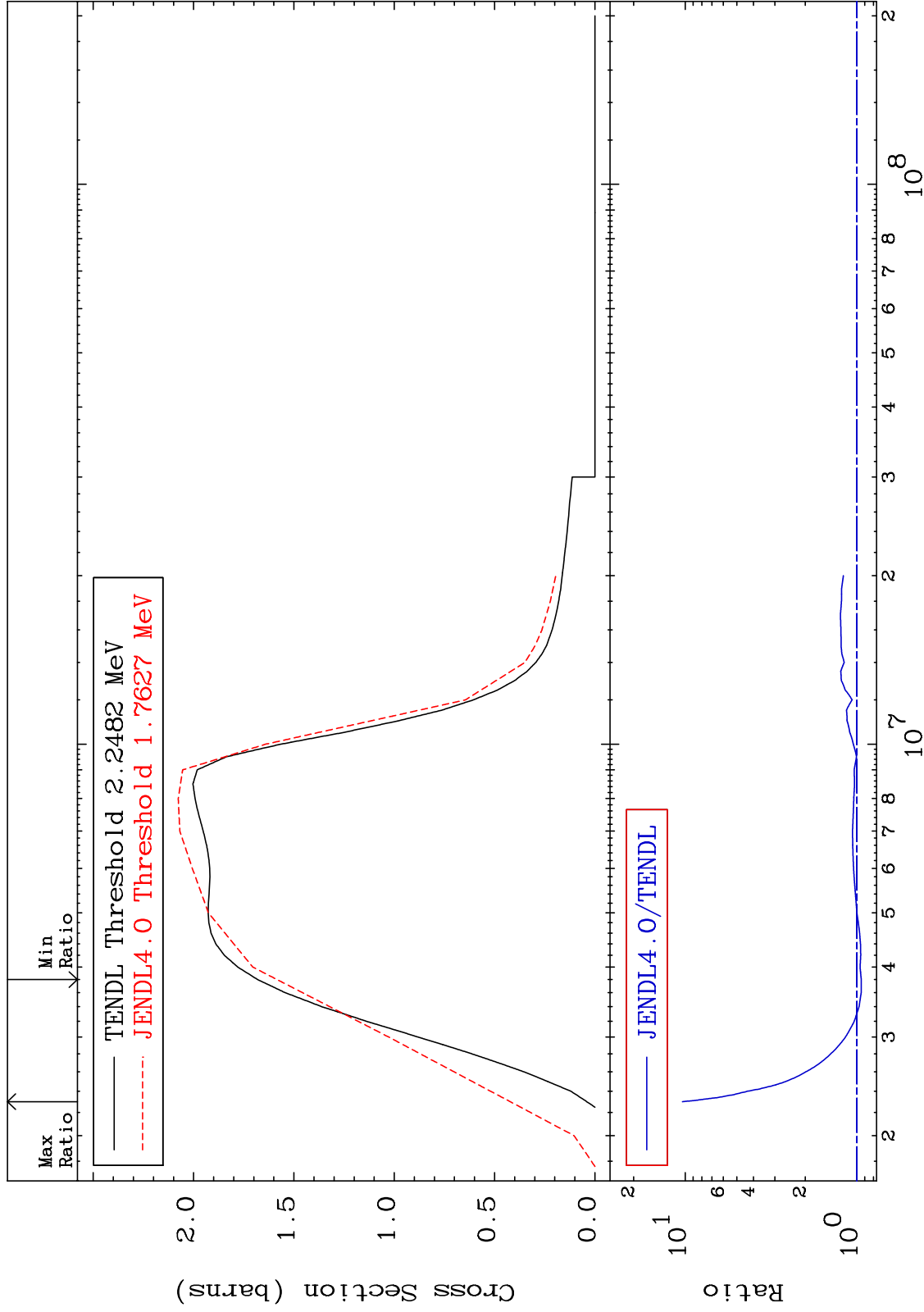
MAT 5728 MT= 62 (n,n') Level Cross Section 57-La-139 -100.0 To 99.09 %



MAT 5728

(n,n') Continuum
Cross Section

57-La-139
-5.785 To 938.0 %



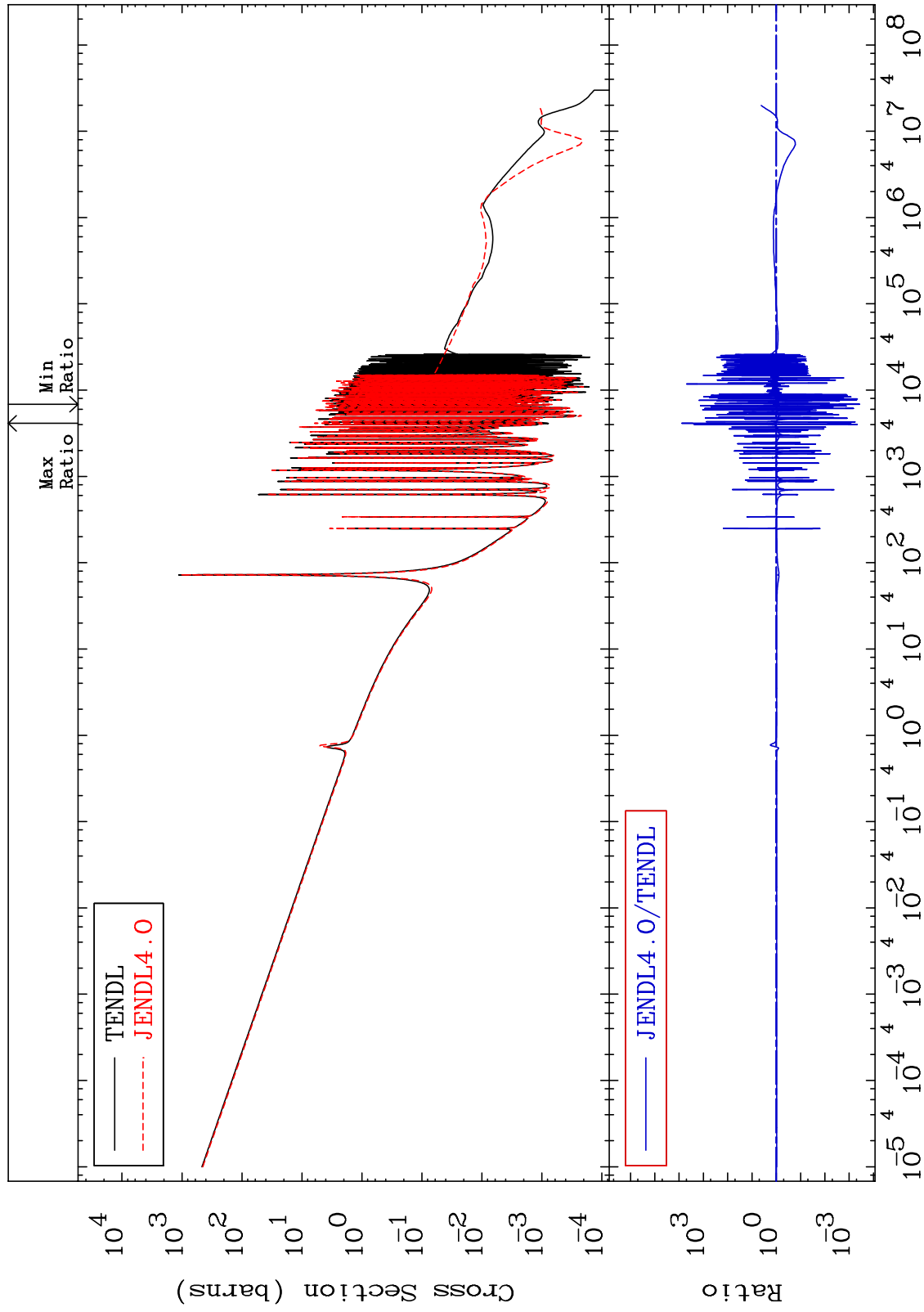
MAT 5728

(n, γ)

57-La-139

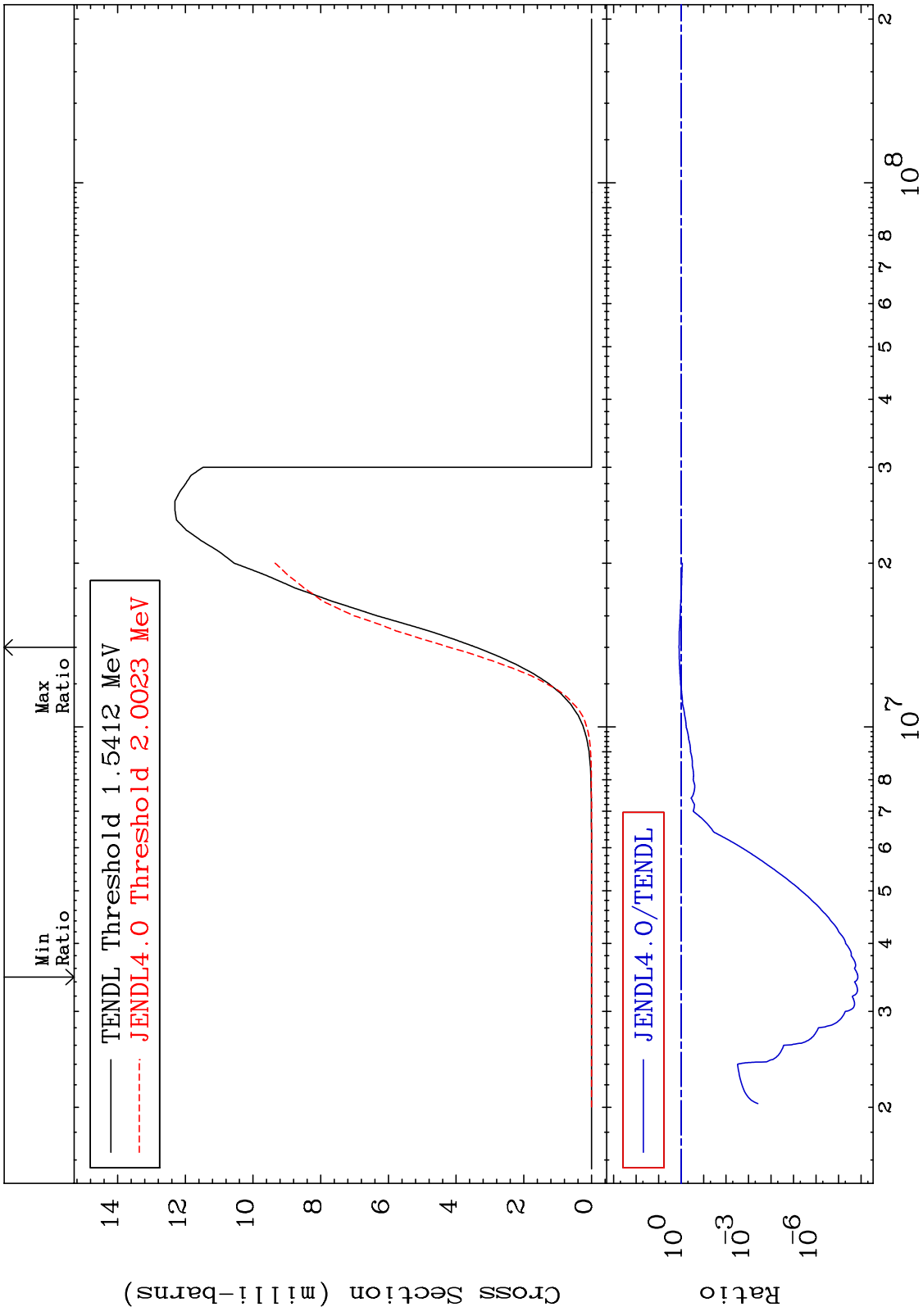
Cross Section

-99.96 To 9999. %



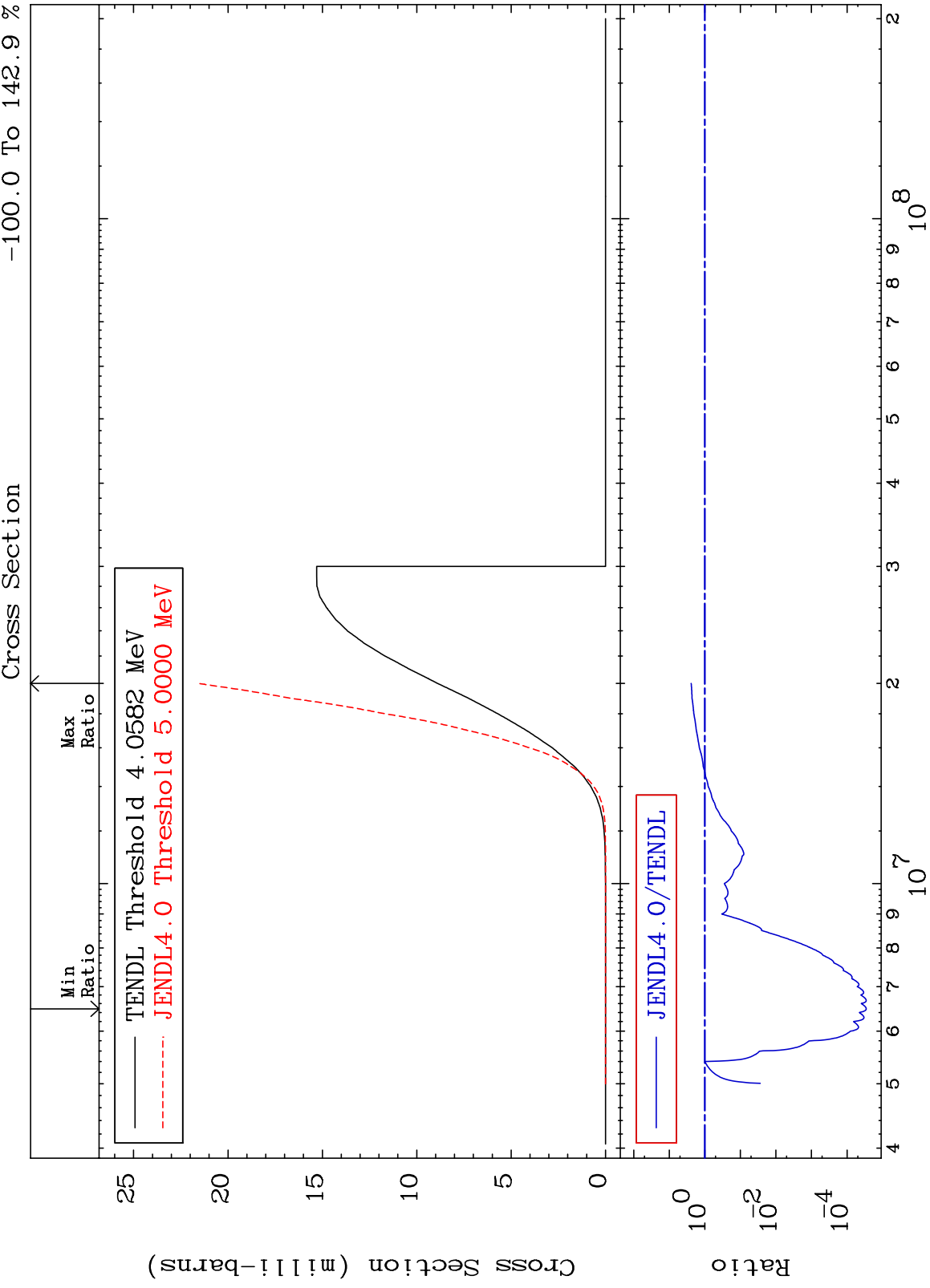
MAT 5728 57-La-139
-100.0 To 23.34 %

(n,p)
 Cross Section



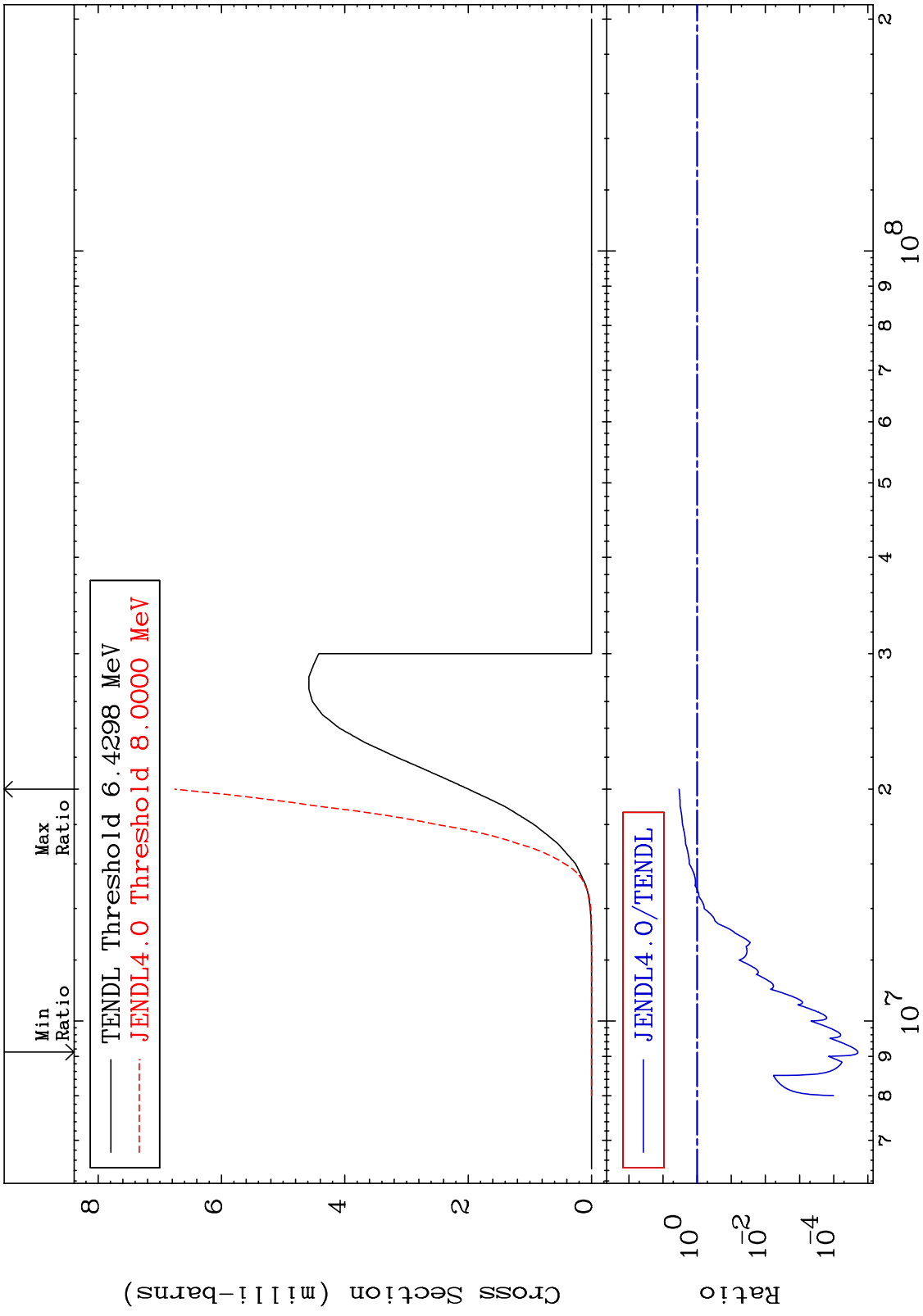
57-La-139

MAT 5728 (n,d) 57-La-139 -100.0 To 142.9 %



25 Incident Energy (eV) 57-La-139

MAT 5728 (n,t) 57-La-139
 Cross Section -100.0 To 238.8 %



26 57-La-139

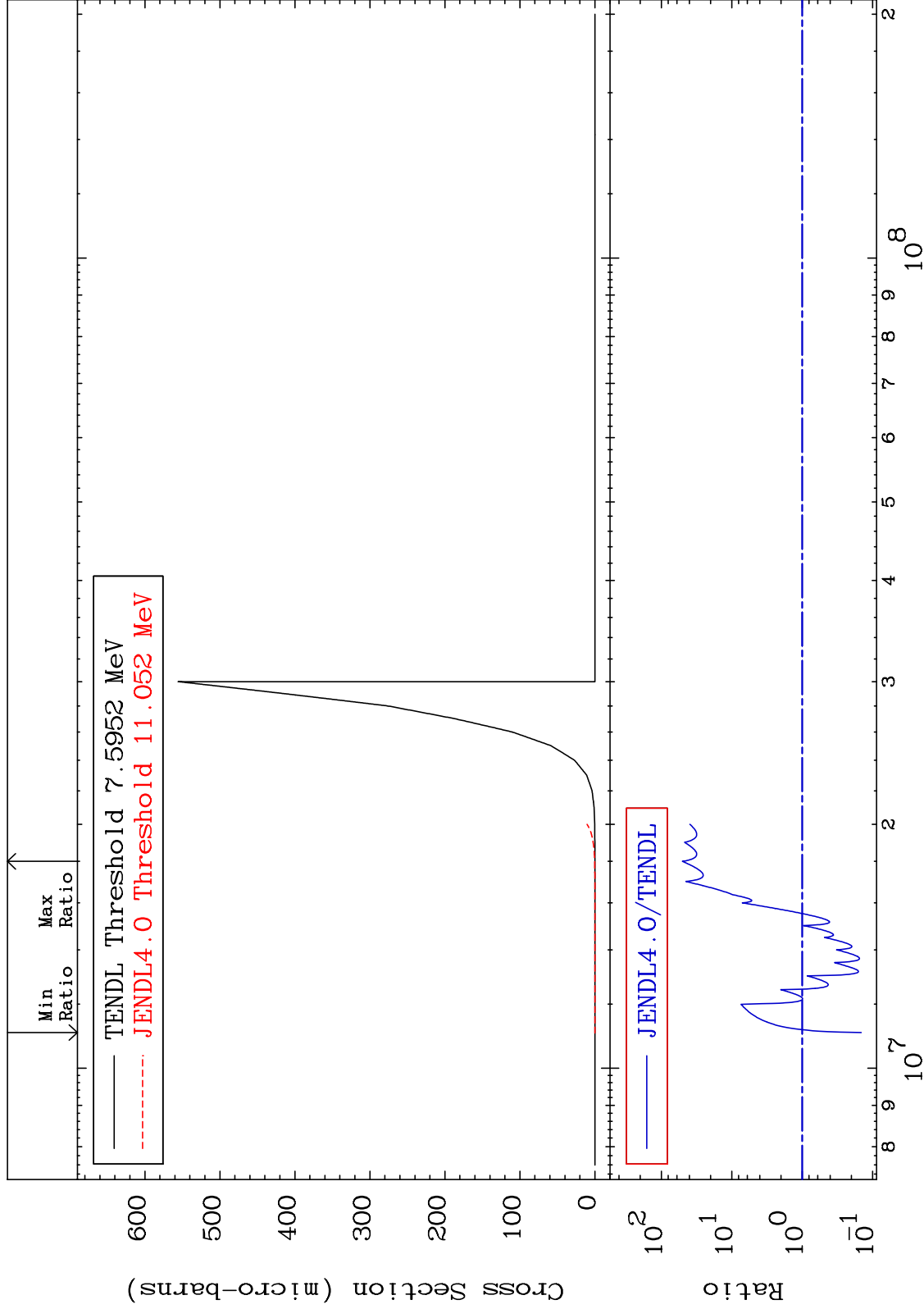
MAT 5728

(n, He-3)

57-La-139

Cross Section

-85.57 To 4922. %



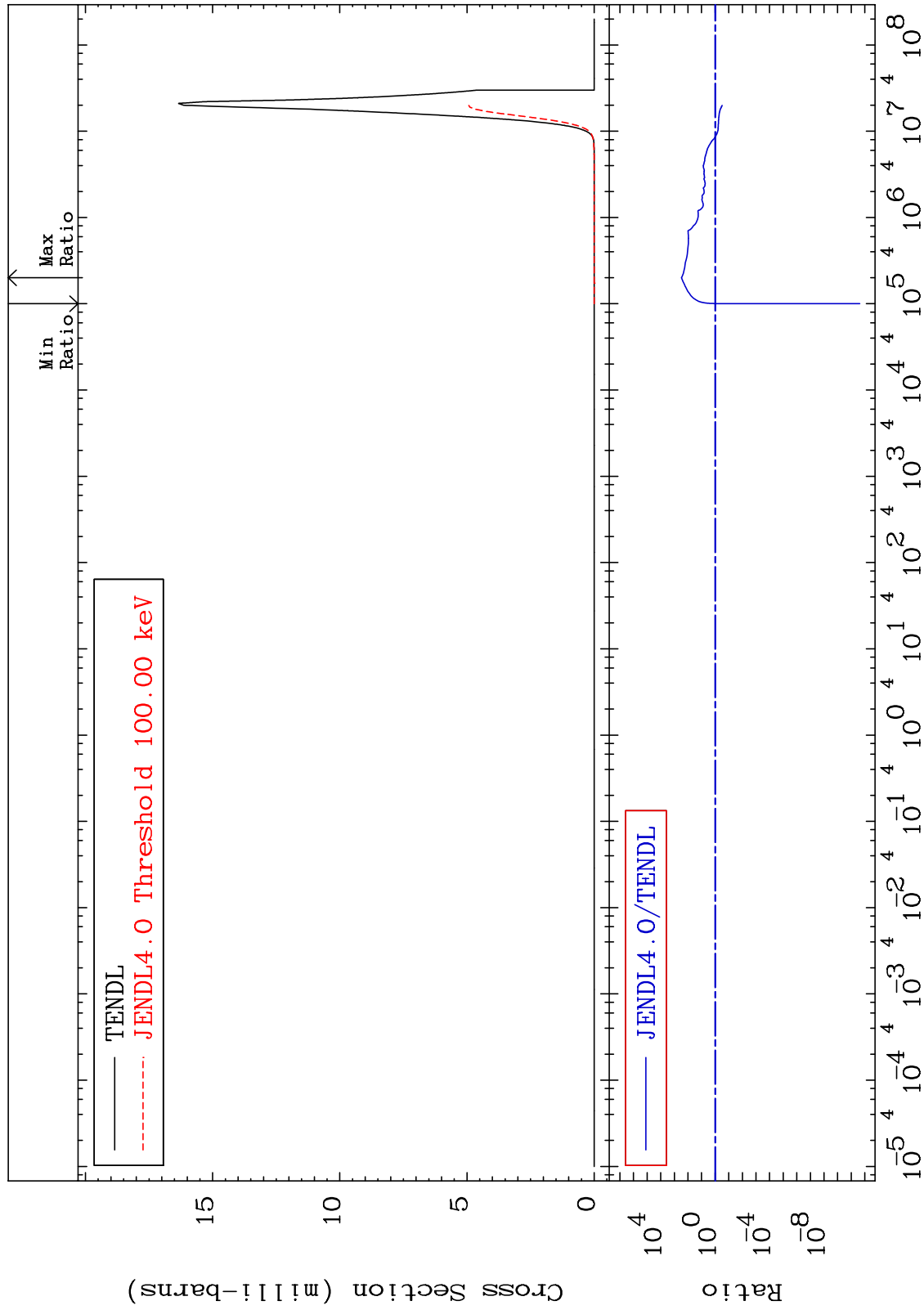
MAT 5728

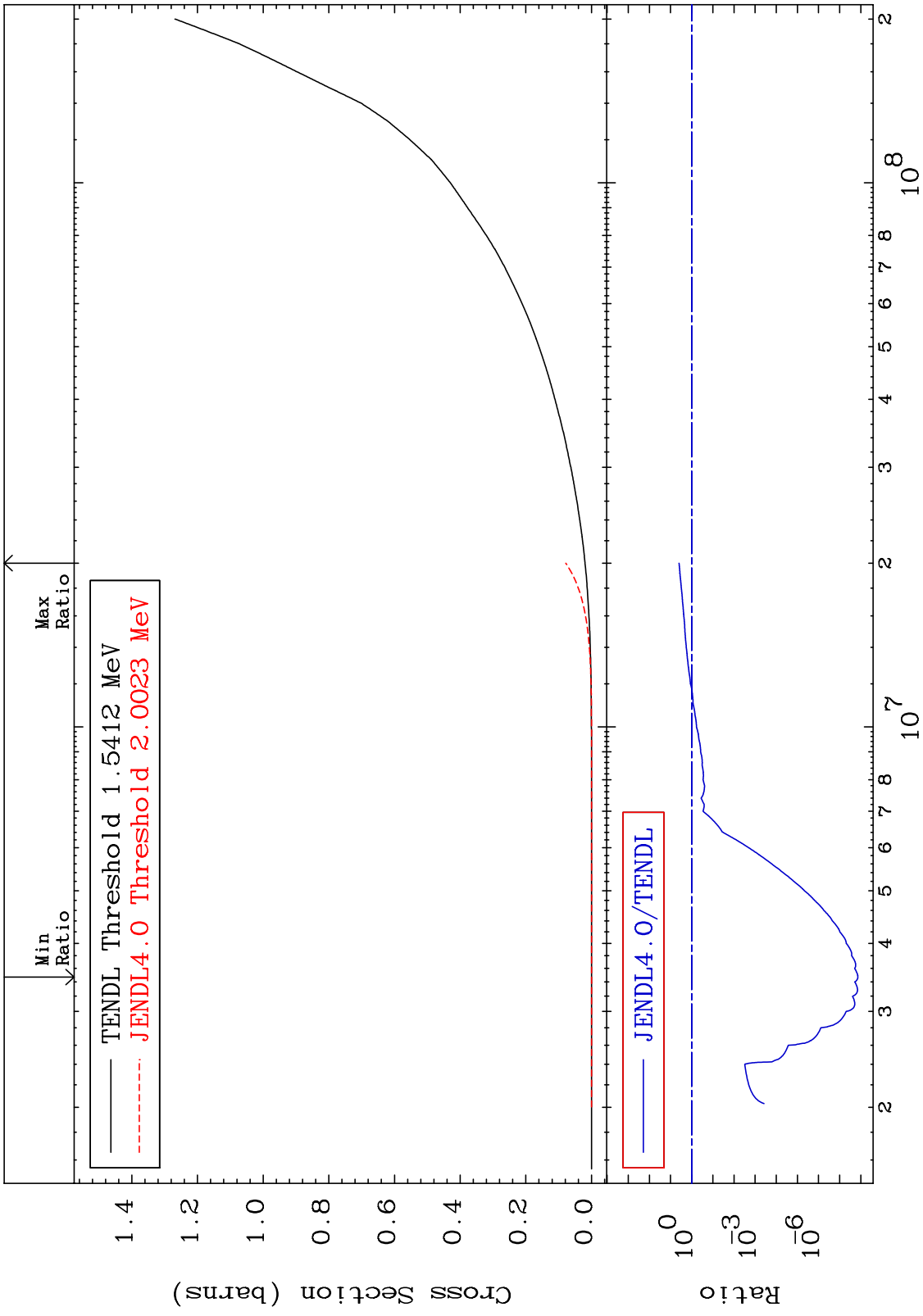
(n, α)

57-La-139

Cross Section

-100.0 To 9999. %

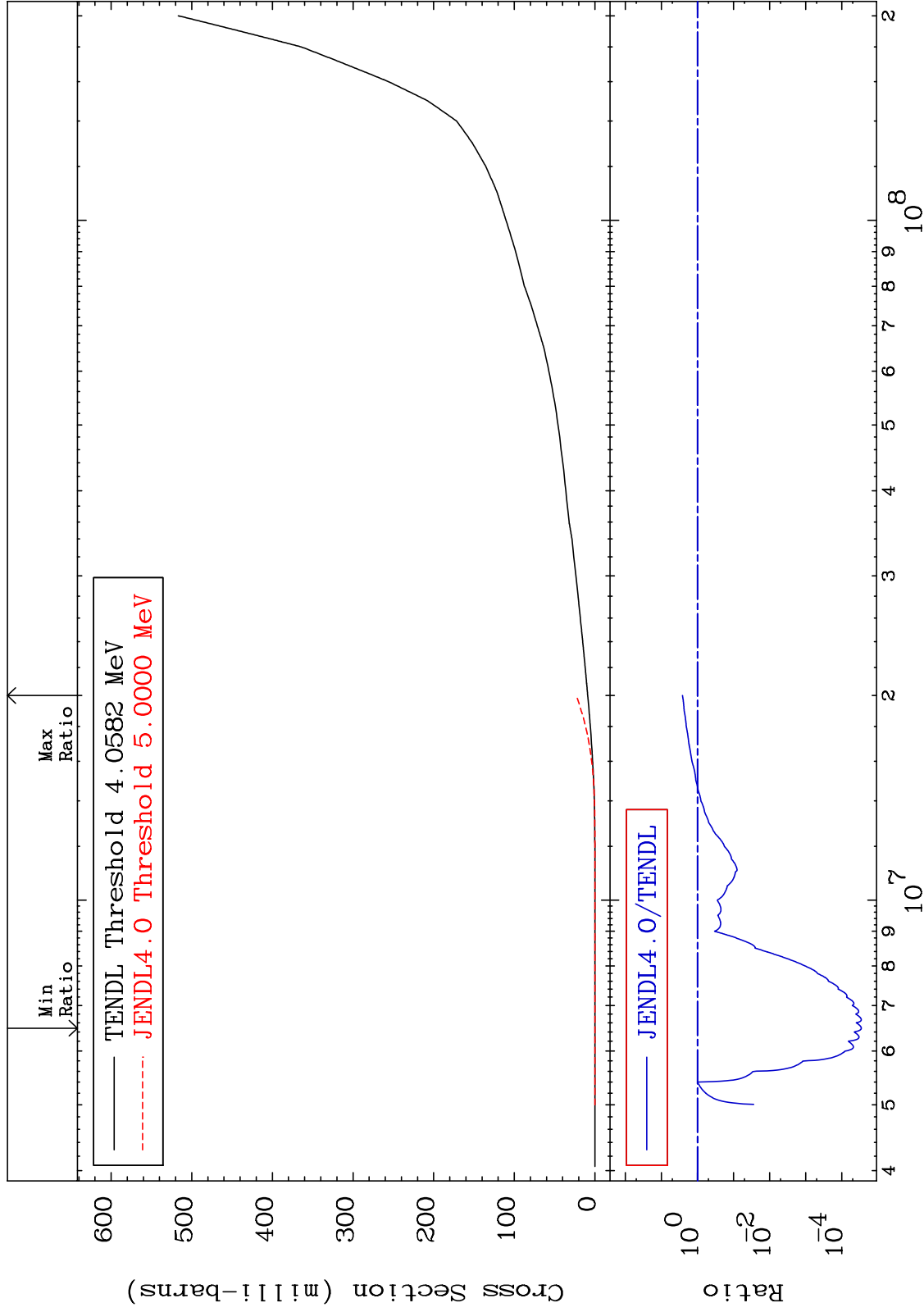




MAT 5728

Deuterium Production
Cross Section

57-La-139
-100.0 To 162.0 %



30

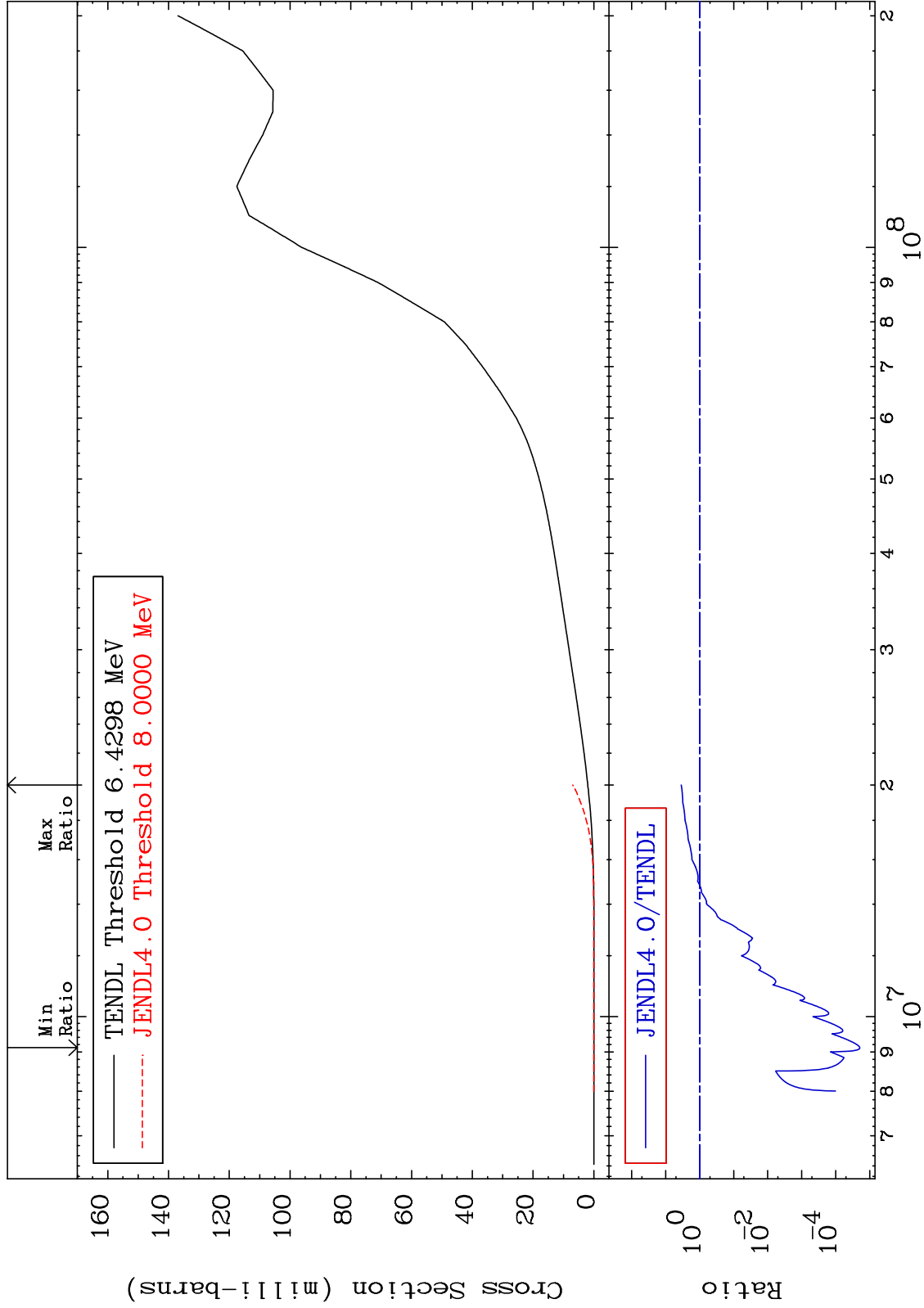
Incident Energy (eV)

57-La-139

MAT 5728

Tritium Production
Cross Section

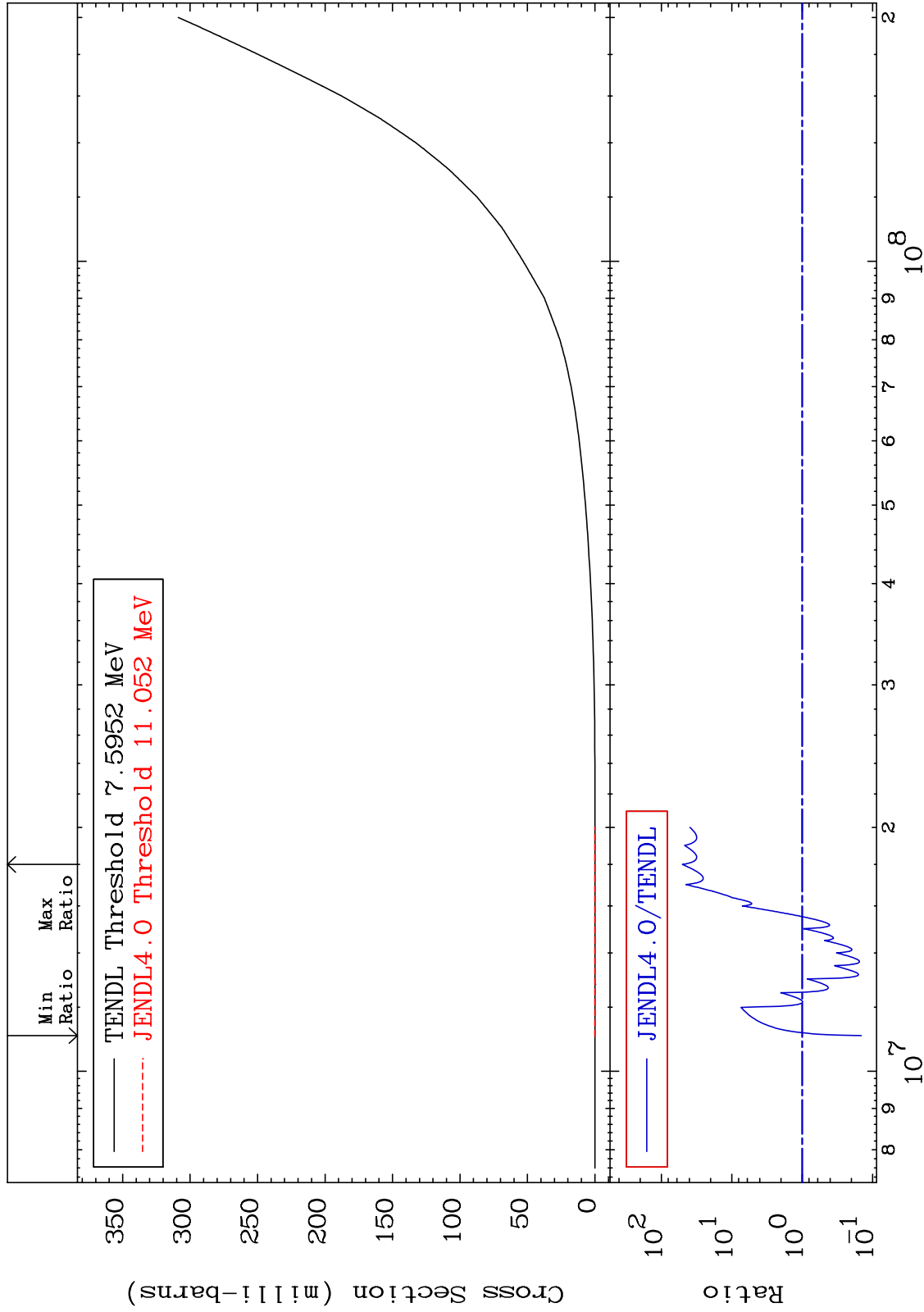
57-La-139
-100.0 To 248.1 %



MAT 5728

He-3 Production
Cross Section

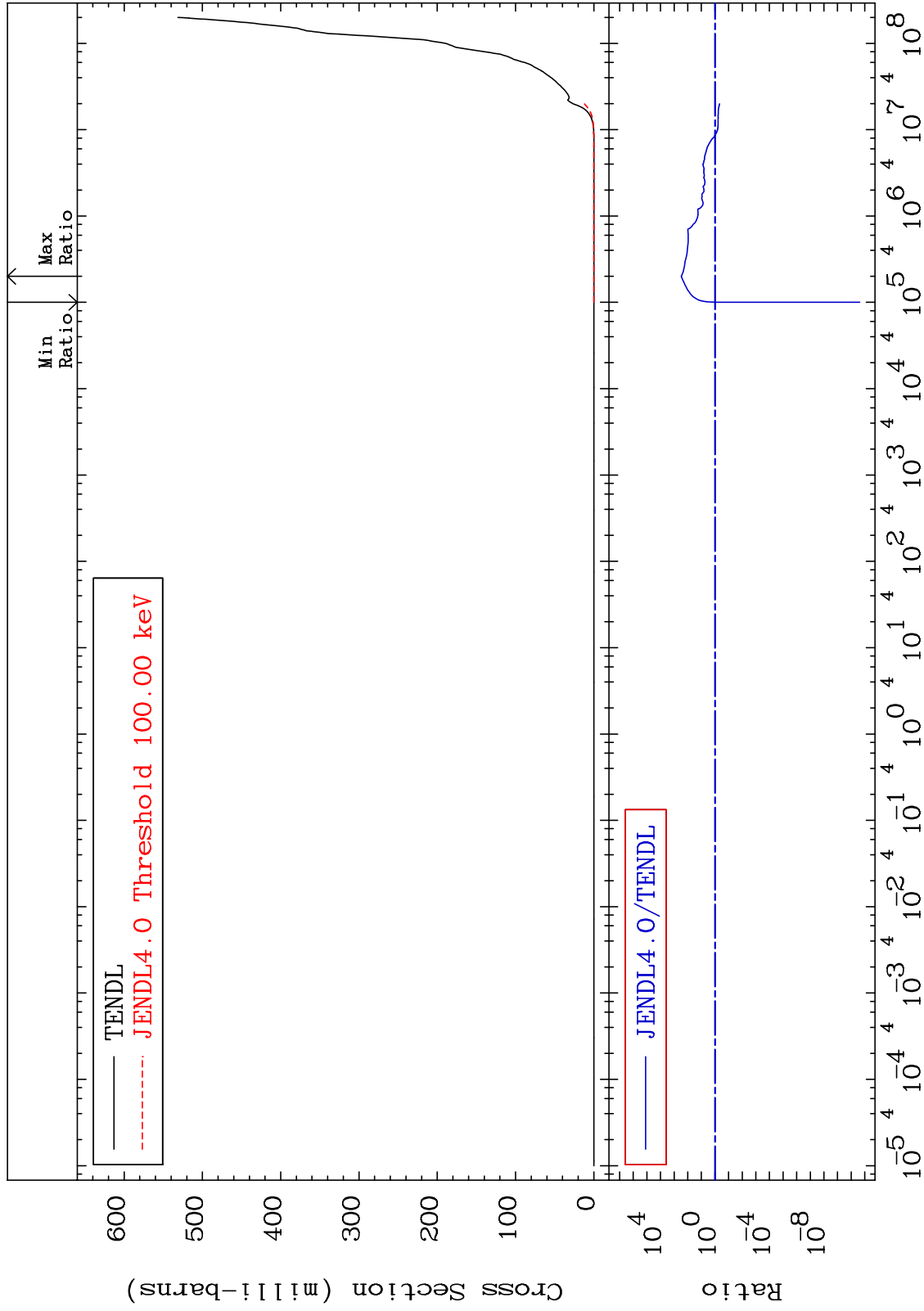
57-La-139
-85.57 To 4922. %



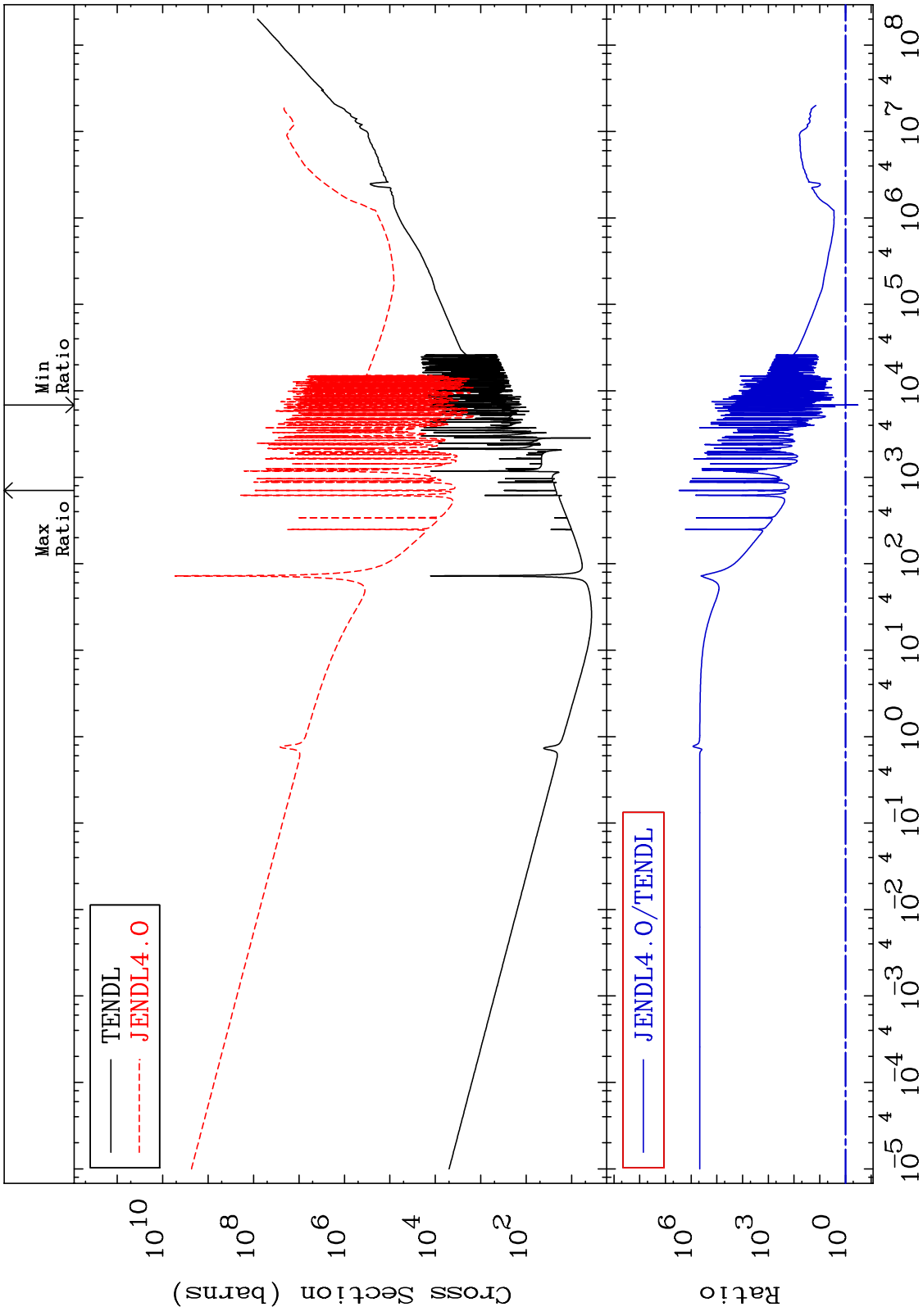
MAT 5728

He-4 Production
Cross Section

57-La-139
-100.0 To 9999. %



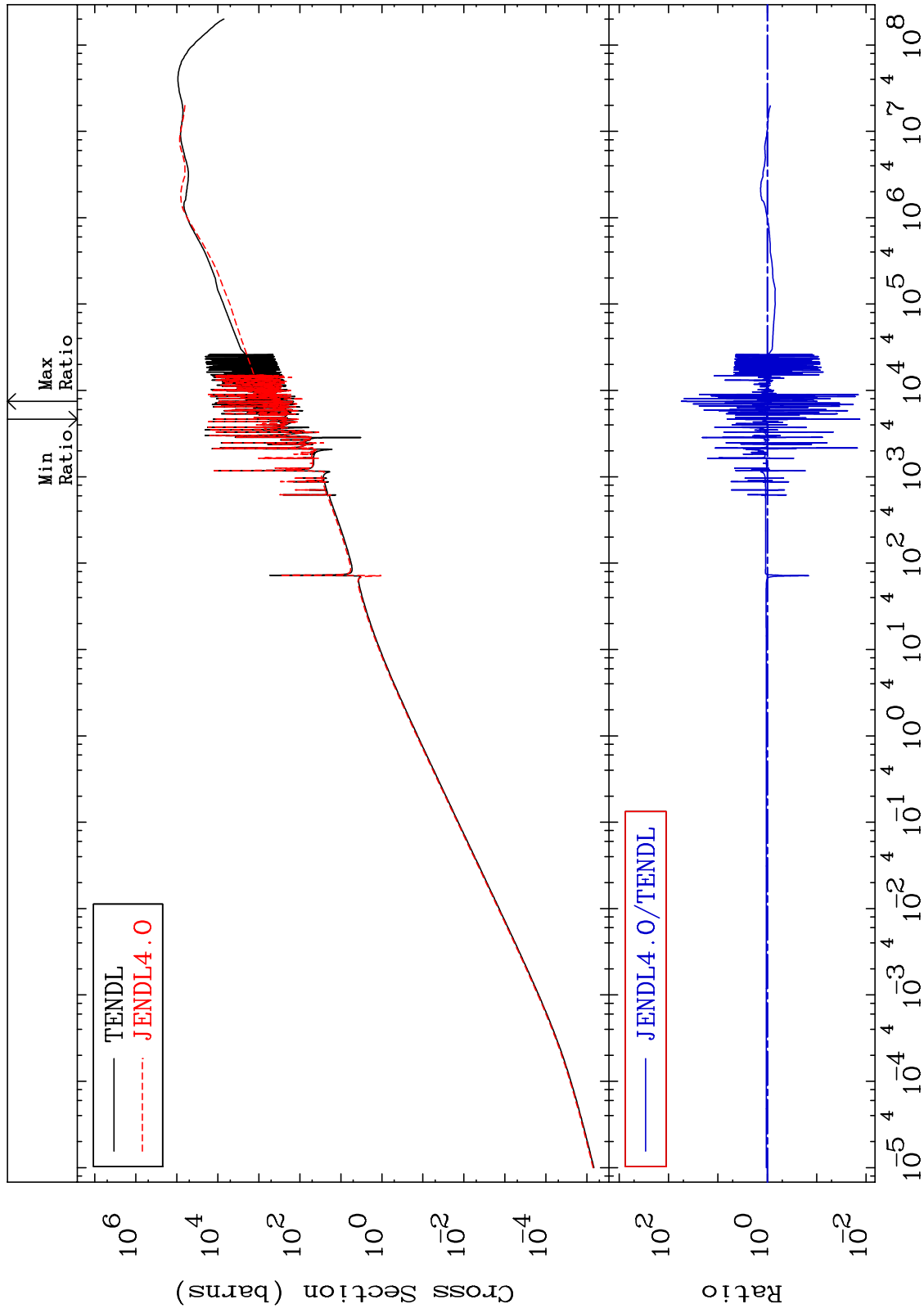
MAT 5728 Kerma total (eV-barns)
 Cross Section 57-La-139
 -66.88 To 9999. %



MAT 5728

Kerma elastic
Cross Section

57-La-139
-98.66 To 5421. %

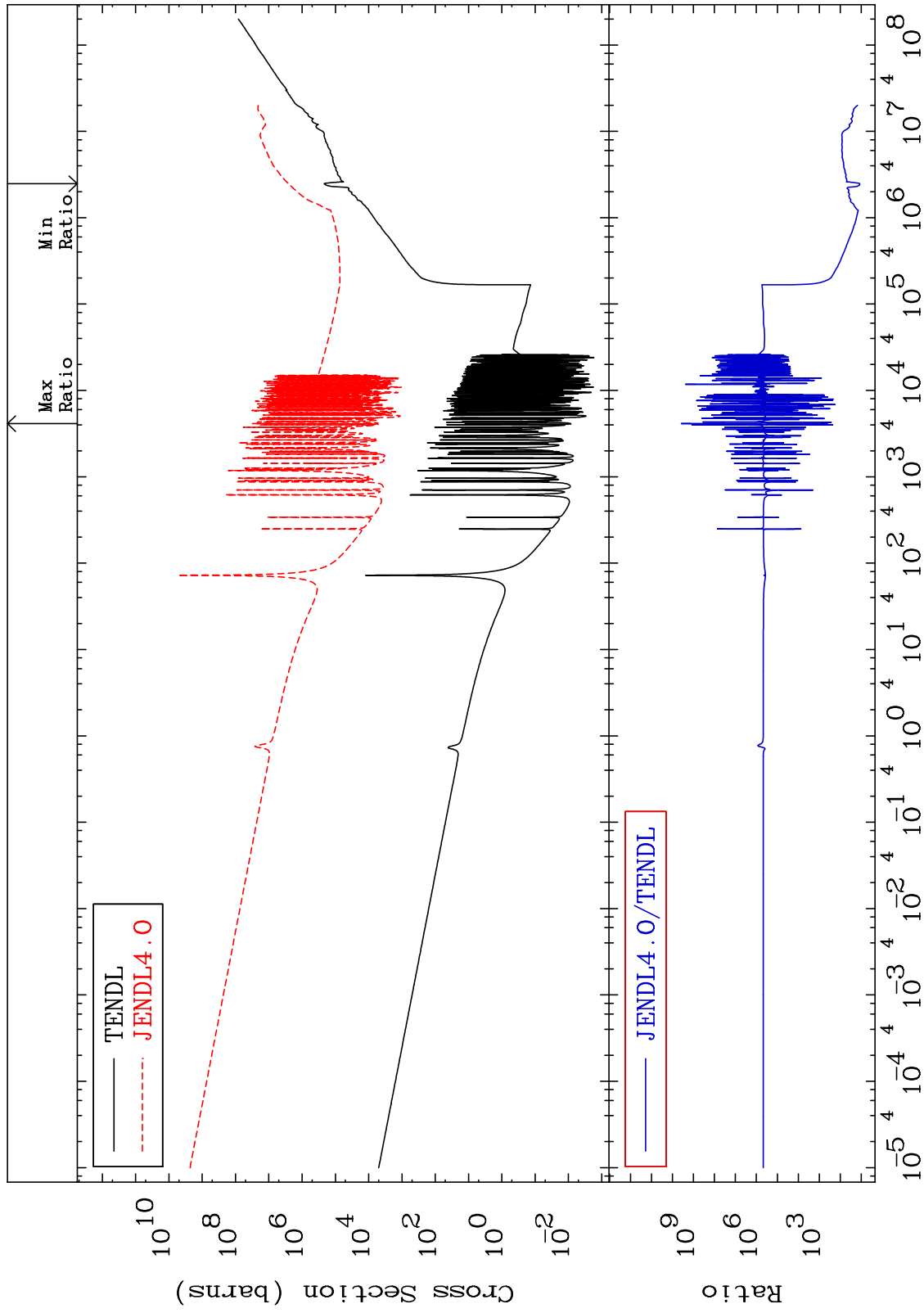


MAT 5728

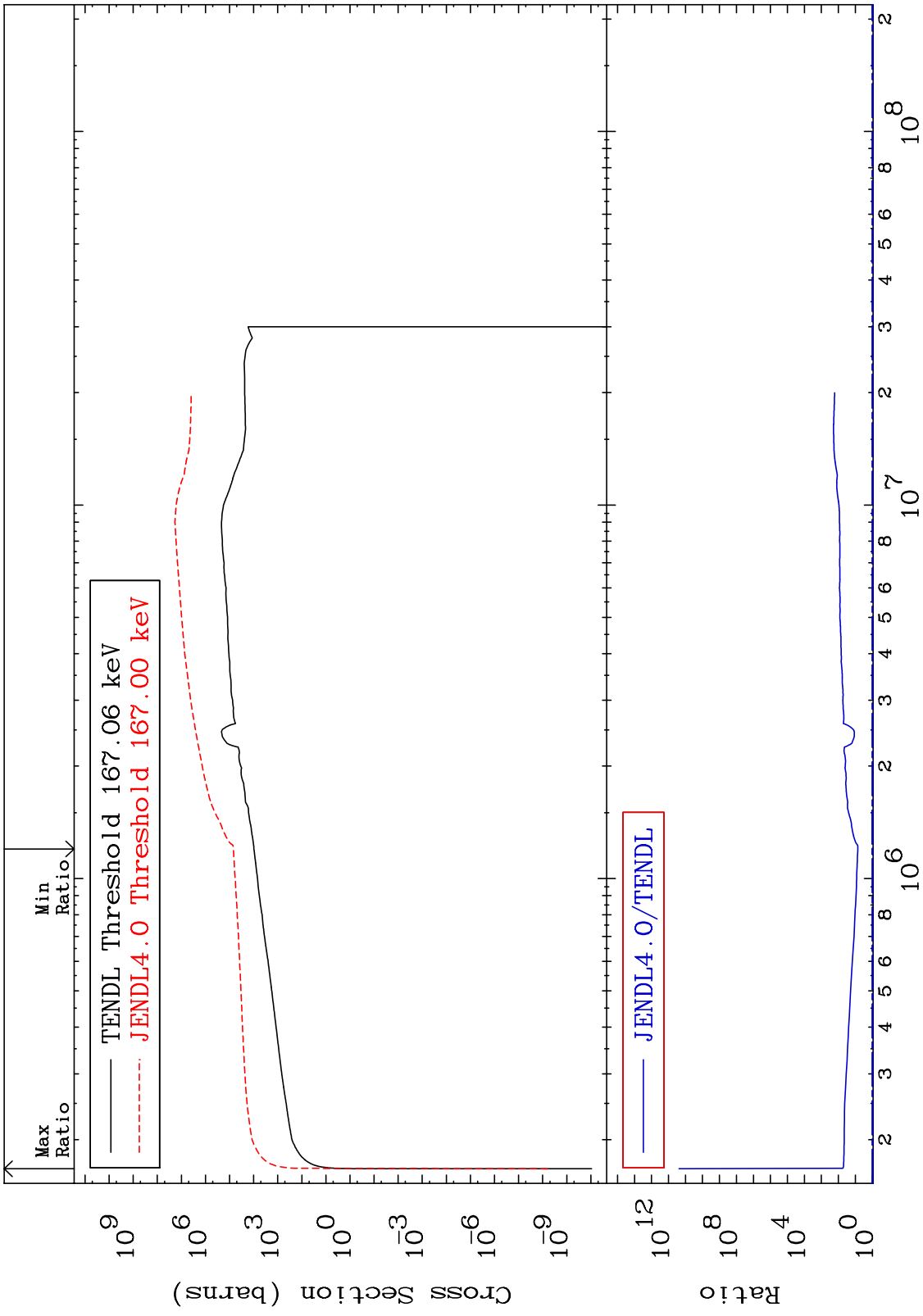
Kerma non-elastic (all but mt2)

57-La-139

1075. To 9999. %



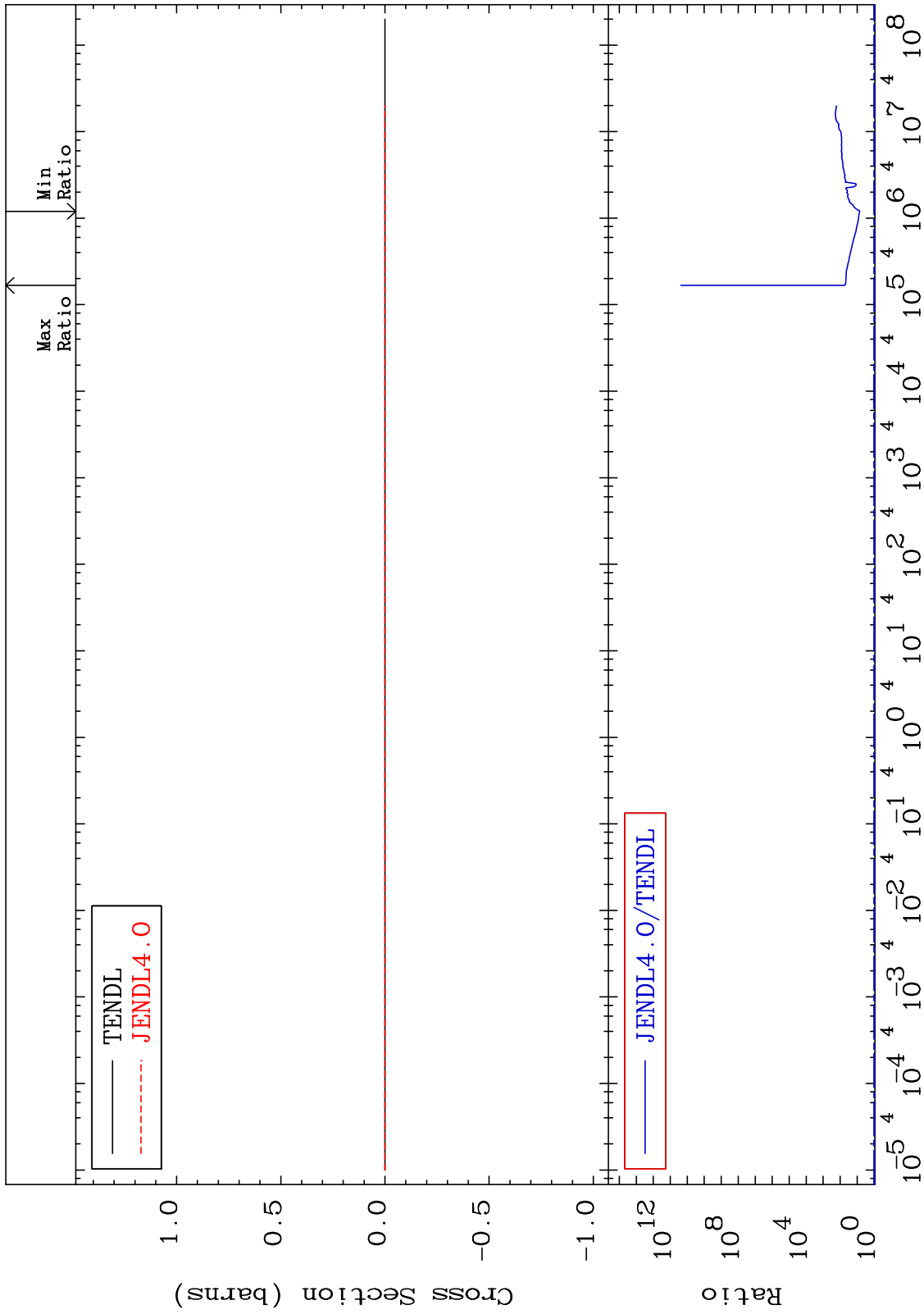
MAT 5728 Kerma inelastic (mt51-91) 57-La-139
 Cross Section 614.4 To 9999. %

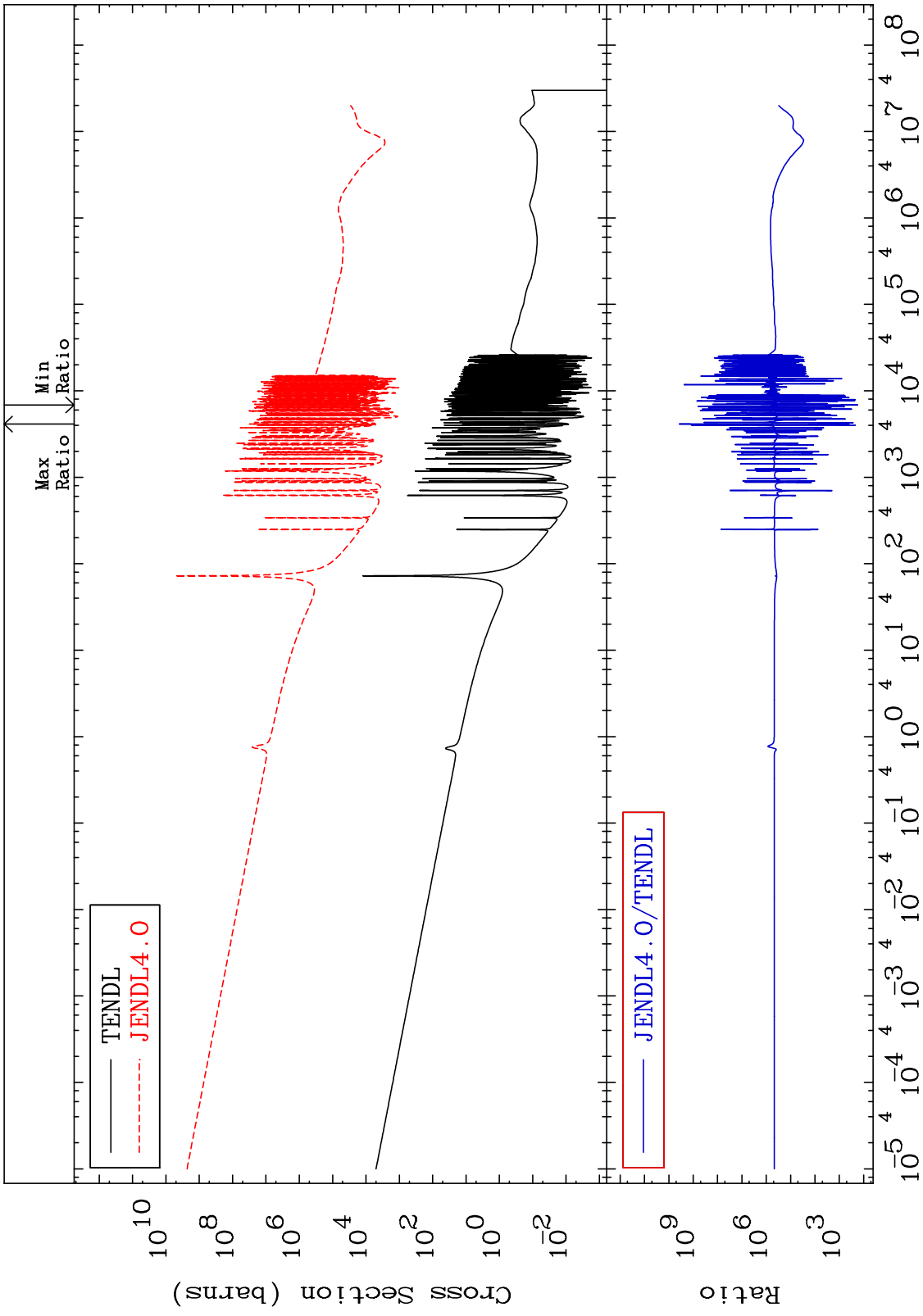


MAT 5728

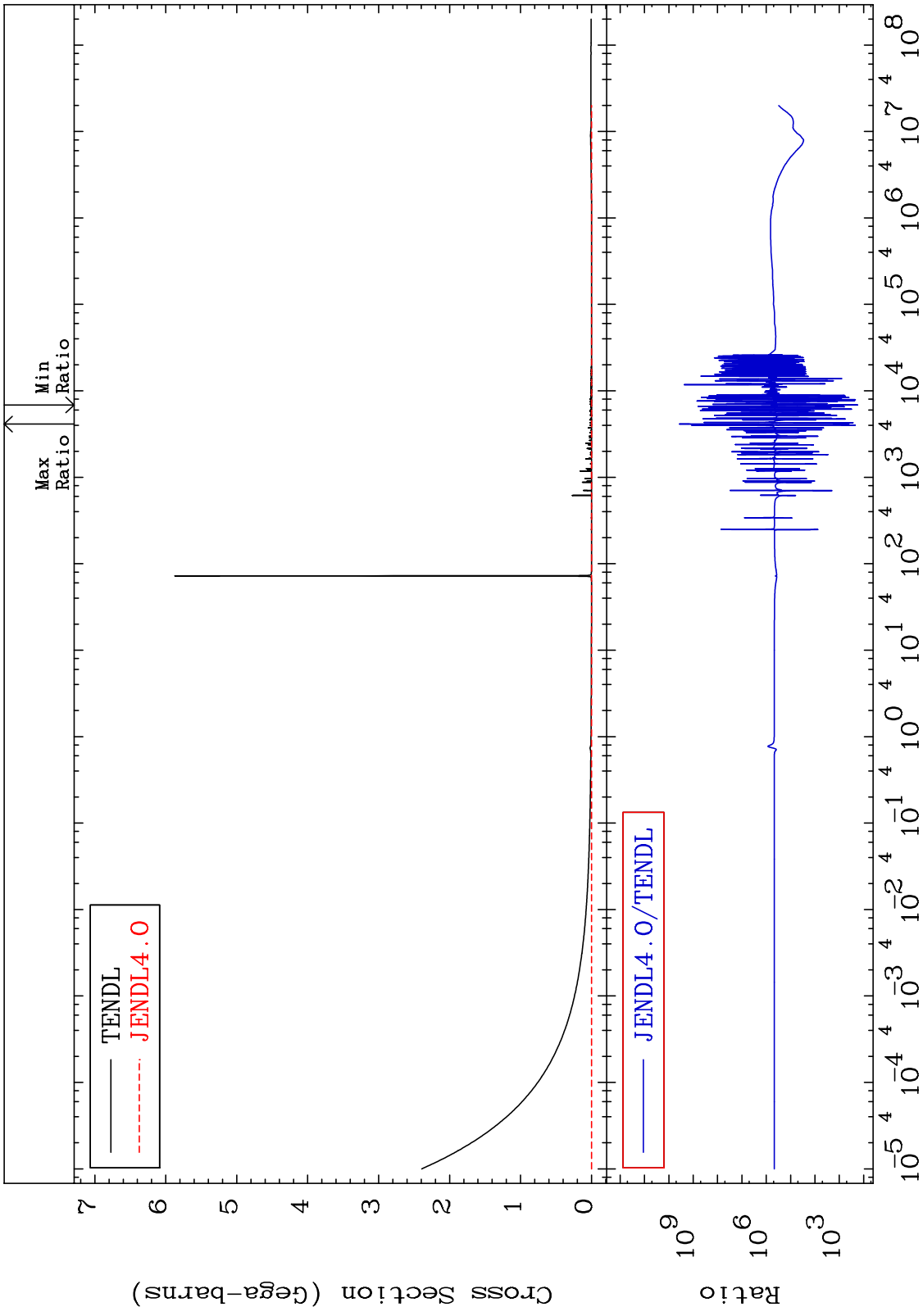
Kerma fission (mt18 or mt19-20-21-38)
Cross Section

57-La-139
614.4 To 9999. %



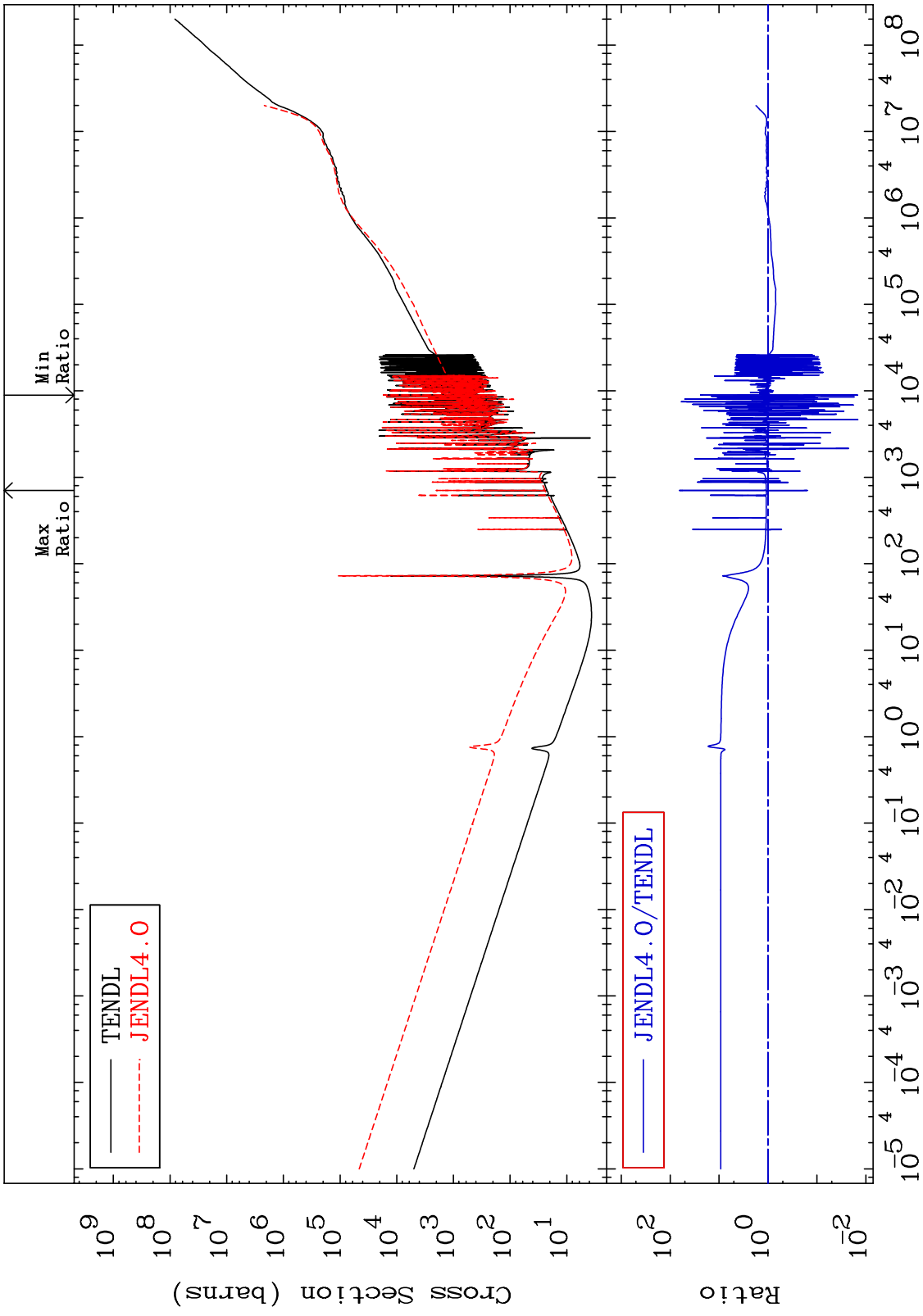


MAT 5728 Total photon (eV-barns) 57-La-139
Cross Section 9999. To 9999. %

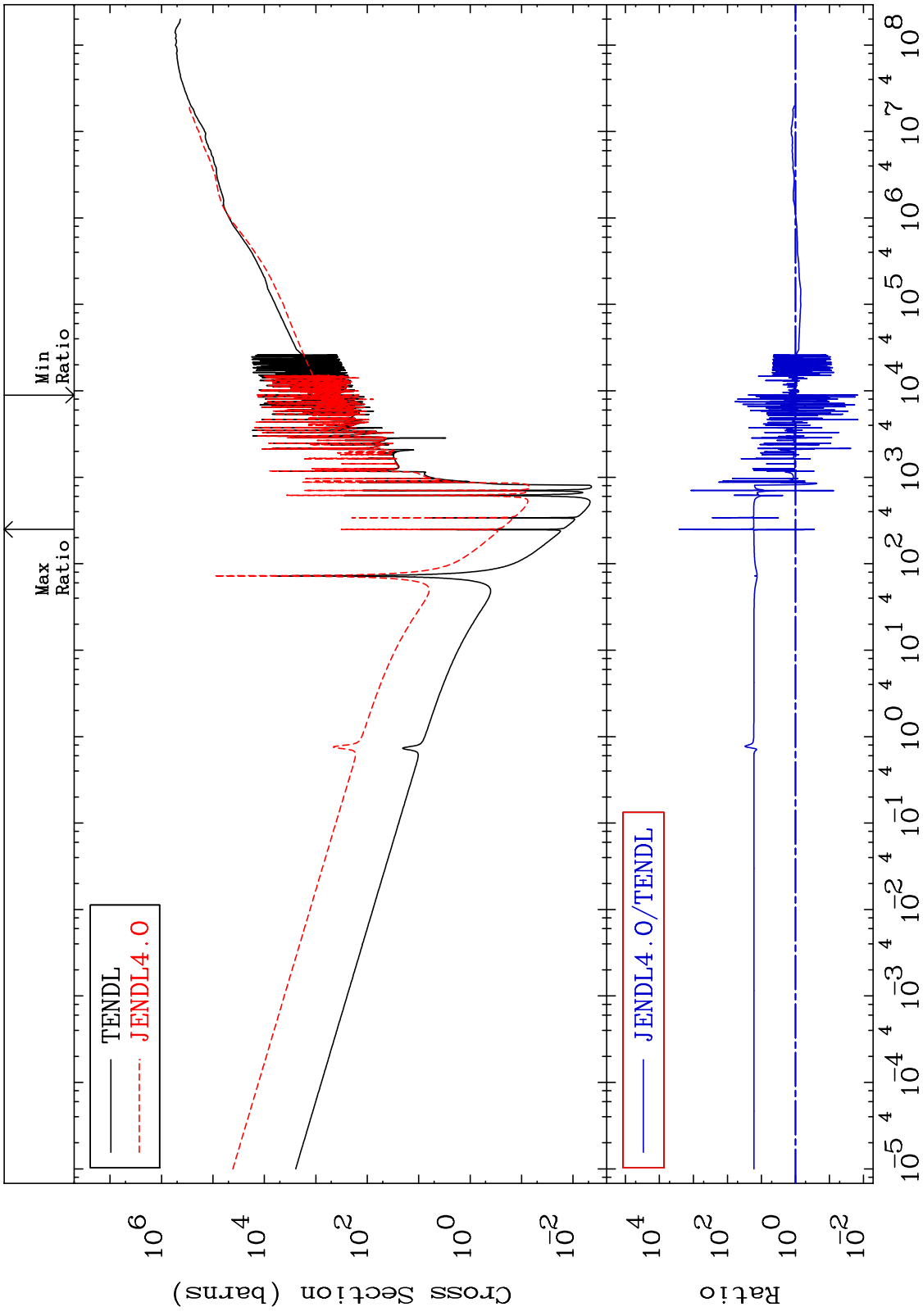


40 Incident Energy (eV) 57-La-139

MAT 5728 Total kinematic kerma (high limit) 57-La-139
 Cross Section -98.54 To 6482. %



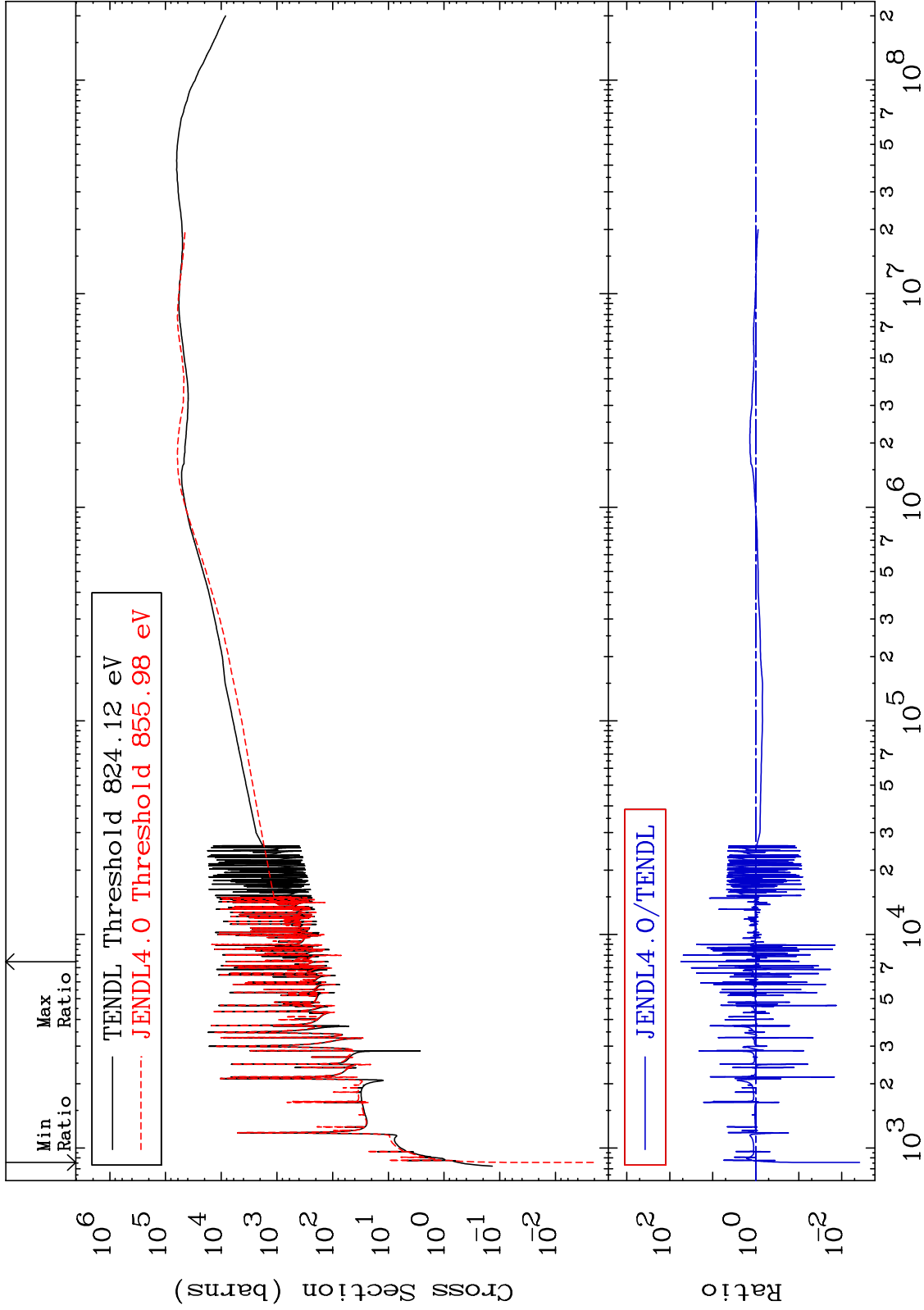
MAT 5728 Dpa total (eV-barns) 57-La-139 -98.54 To 9999. %
 Cross Section

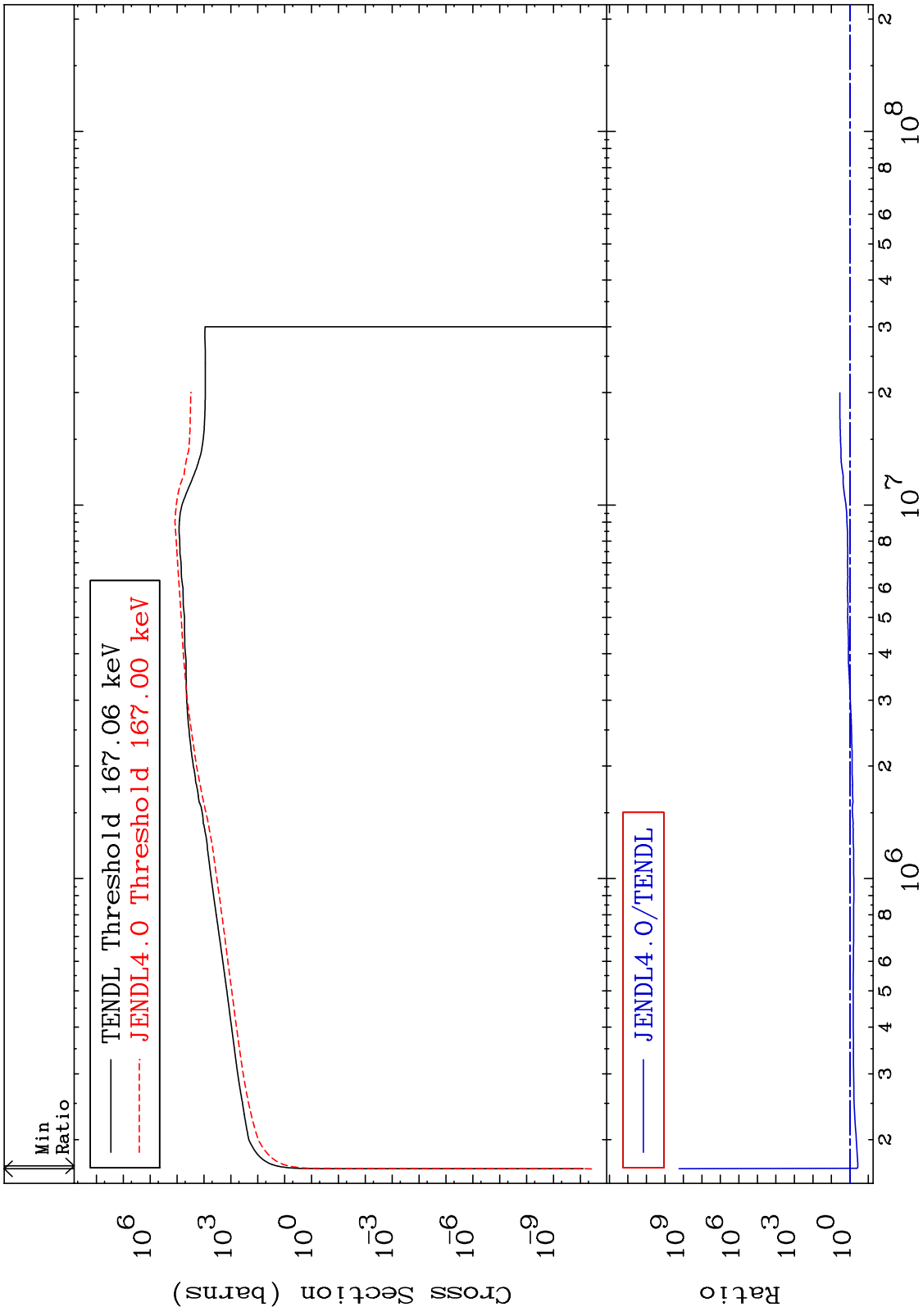


MAT 5728

Dpa elastic (mt2)
Cross Section

57-La-139
-99.62 To 5418. %





MAT 5728

Dpa disappearance (mt102 -120)
Cross Section

57-La-139
-99.10 To 9999. %

