

Program Complot  
(Version 2018-1)

by

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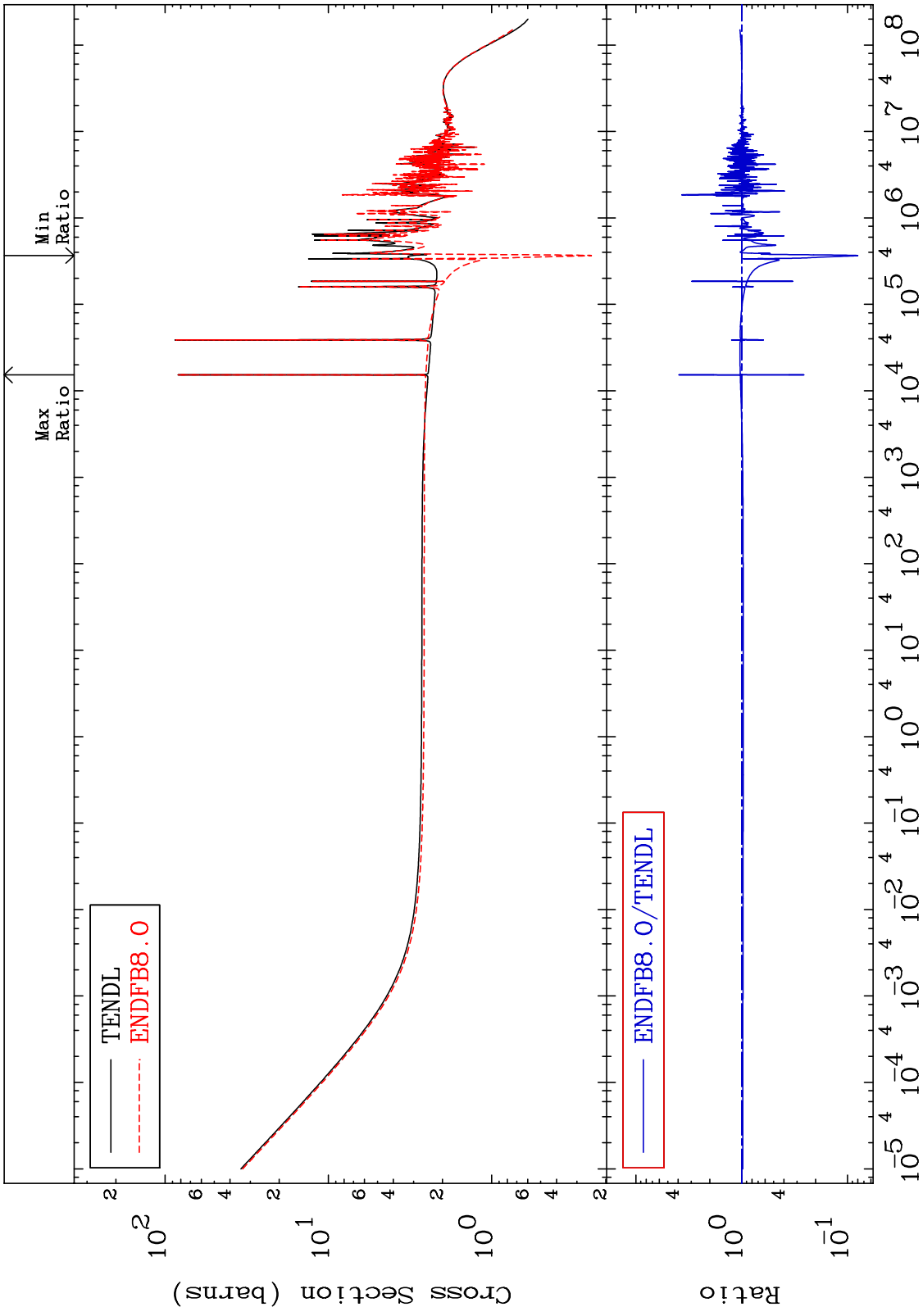
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Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 1428 14-Si-29 Total Cross Section -92.02 To 291.3 % 14-Si-29

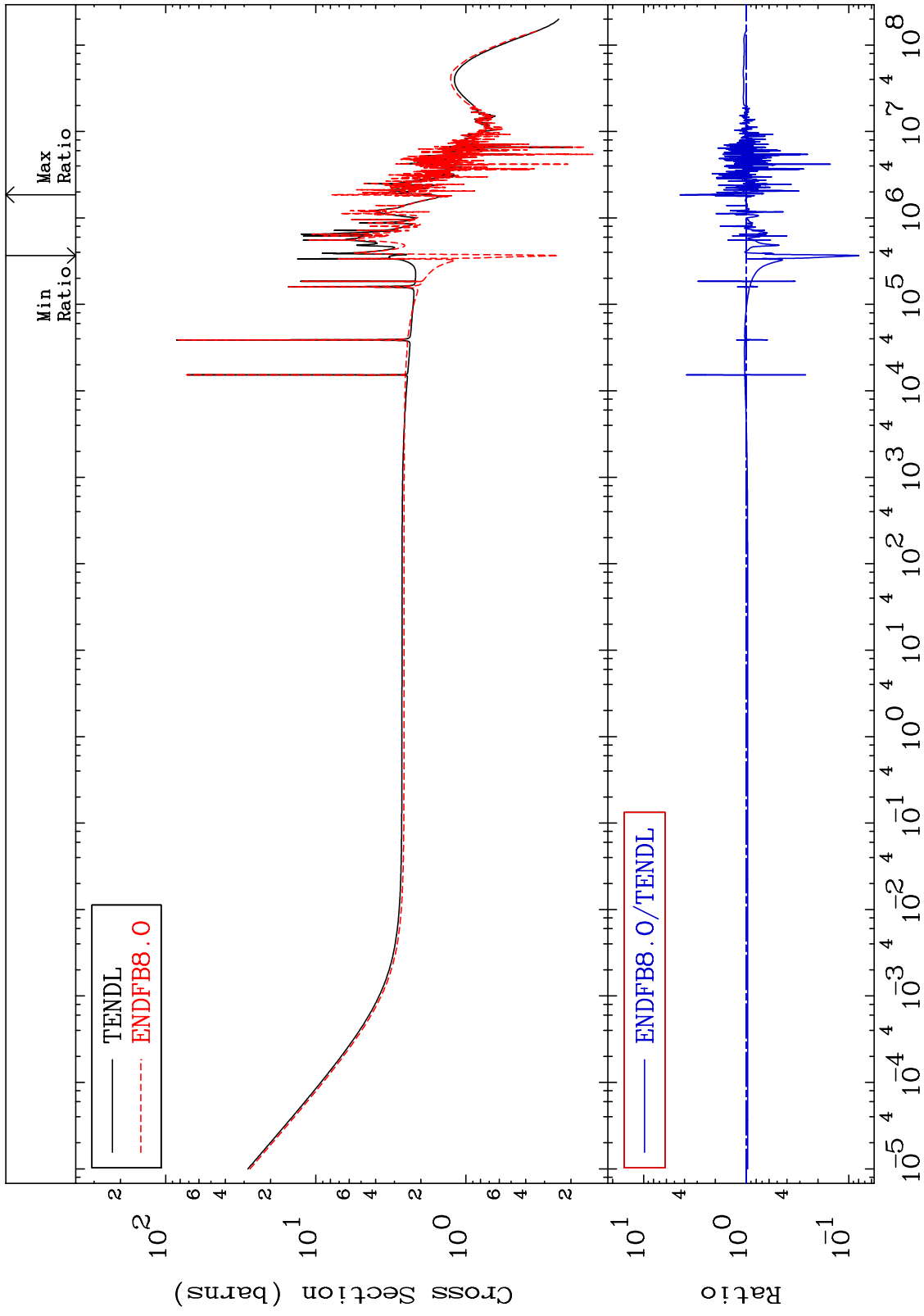


1 Incident Energy (eV) 14-Si-29

MAT 1428

Elastic  
Cross Section

14-Si-29  
-92.03 To 339.7 %

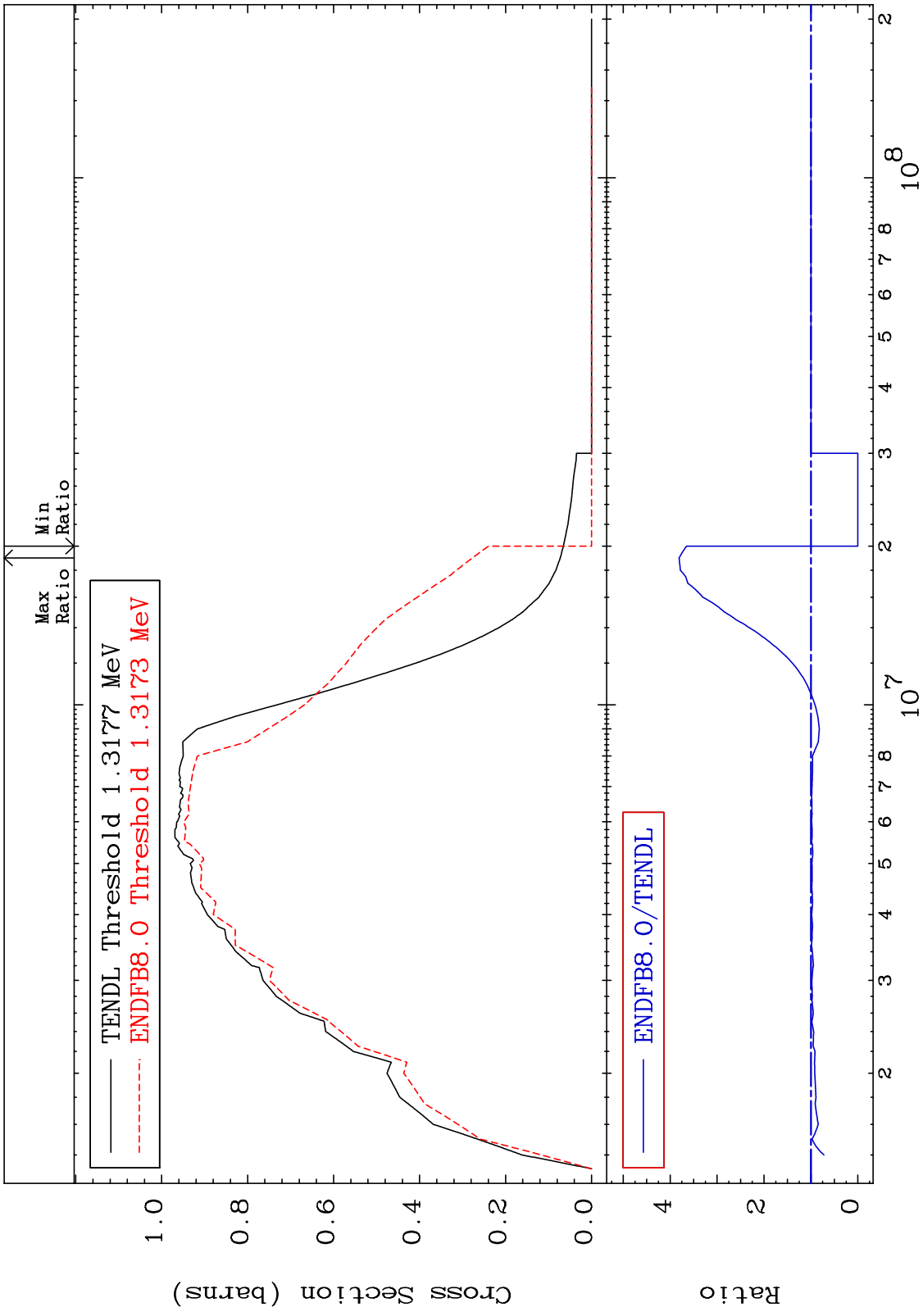


2

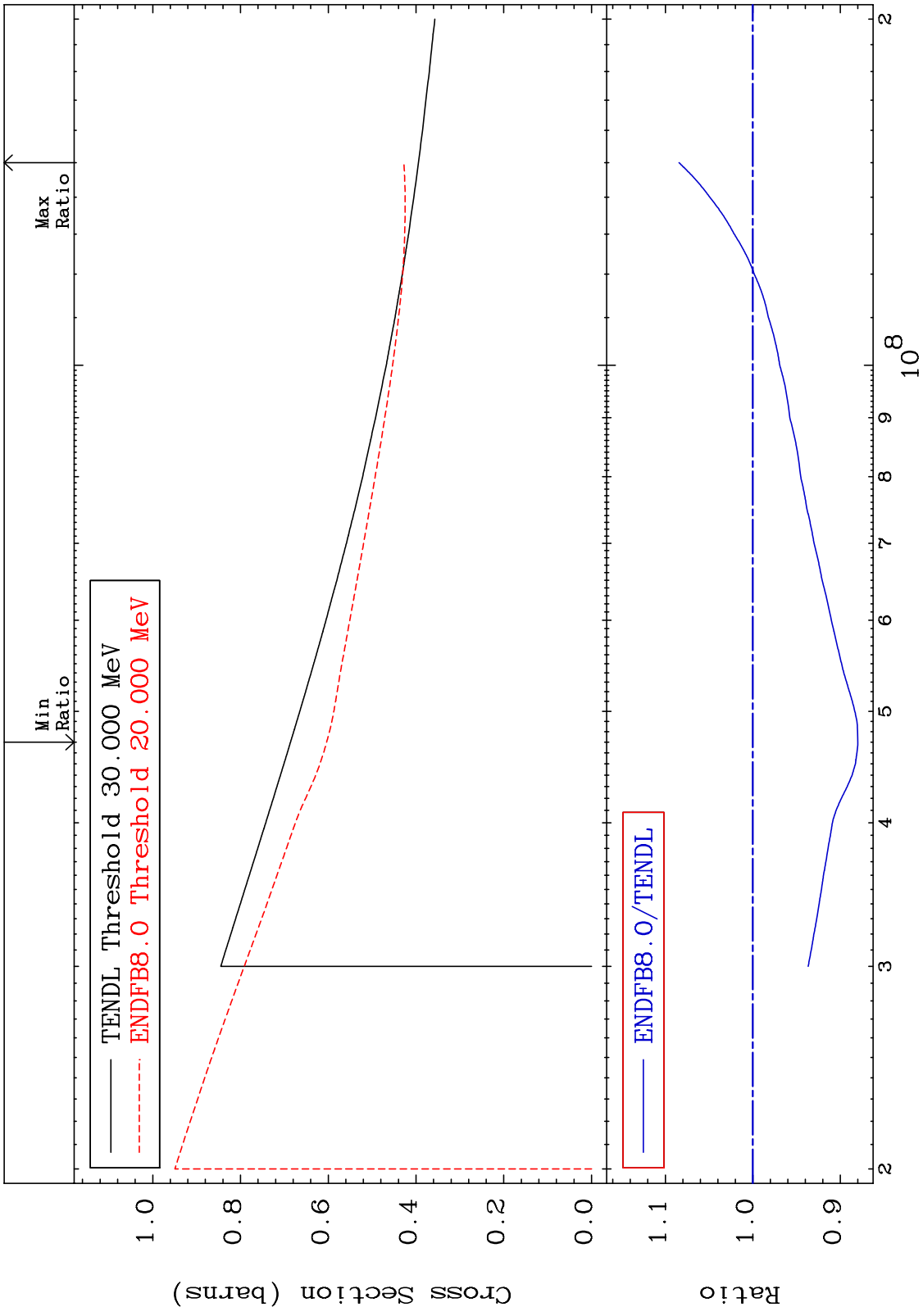
Incident Energy (eV)

14-Si-29

MAT 1428 Inelastic Cross Section 14-Si-29 -100.0 To 281.1 %

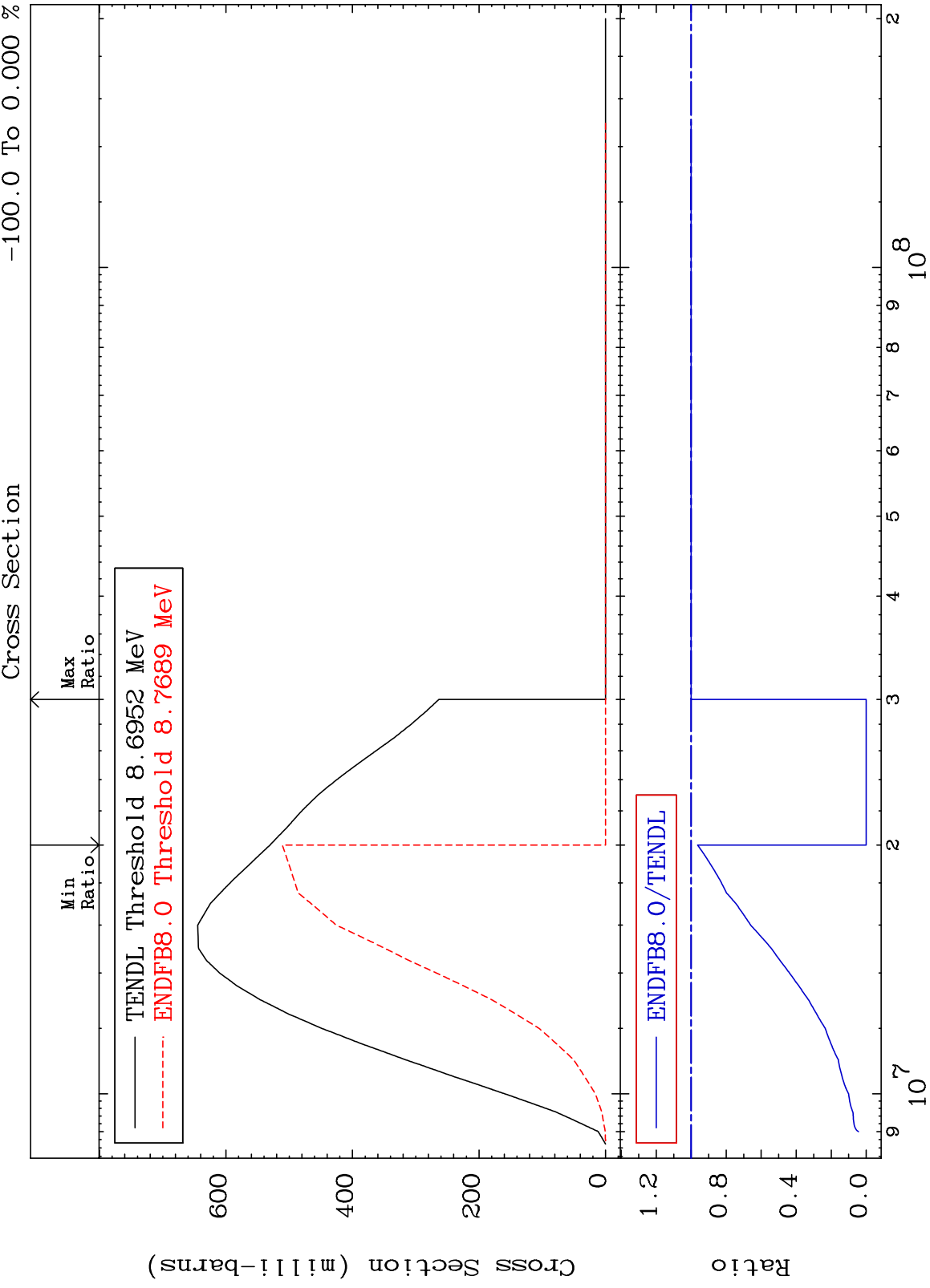


MAT 1428 (n, remainder) Cross Section 14-Si-29 -12.00 To 8.431 %



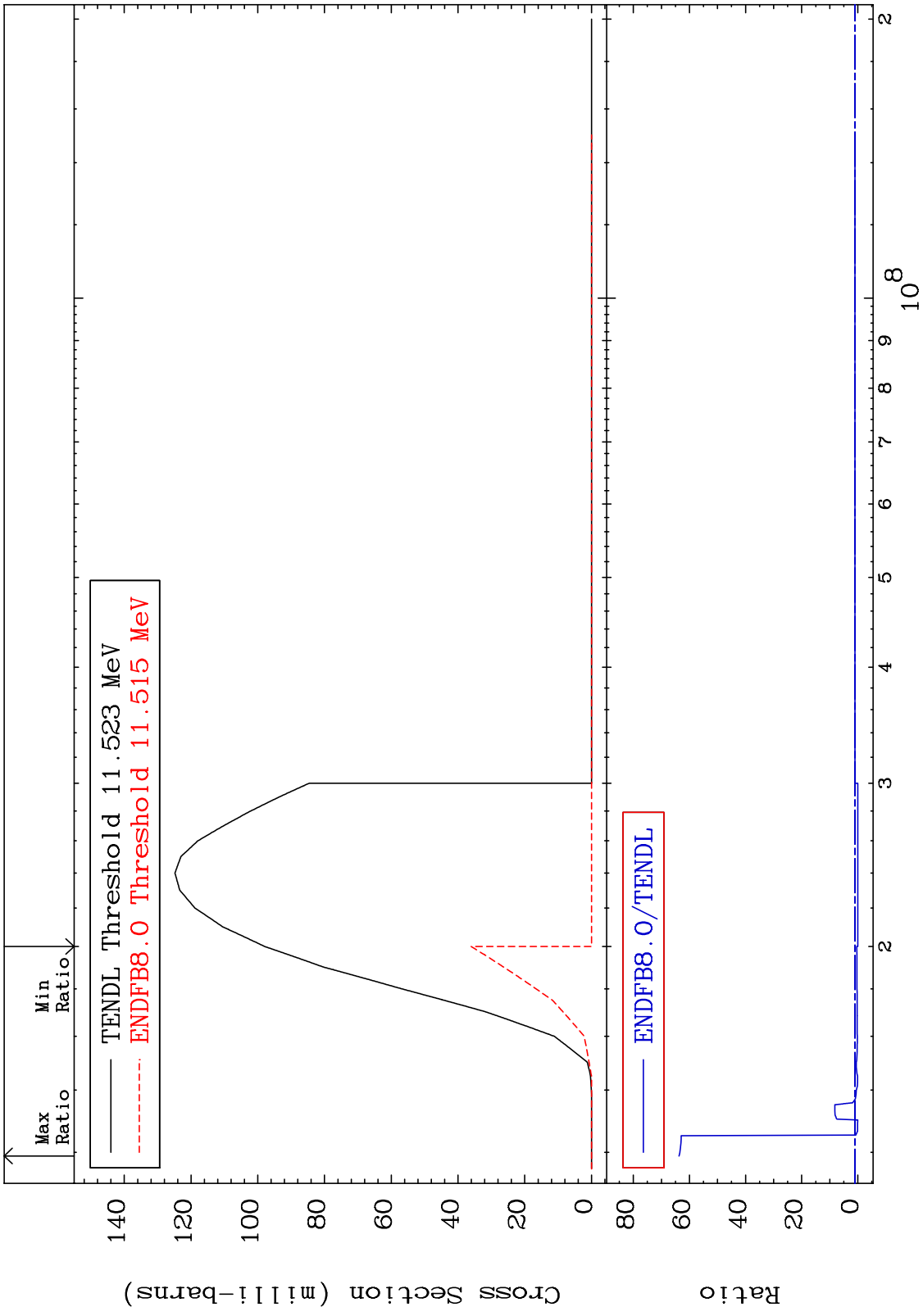
4 14-Si-29

MAT 1428 (n,2n) 14-Si-29 -100.0 To 0.000 %

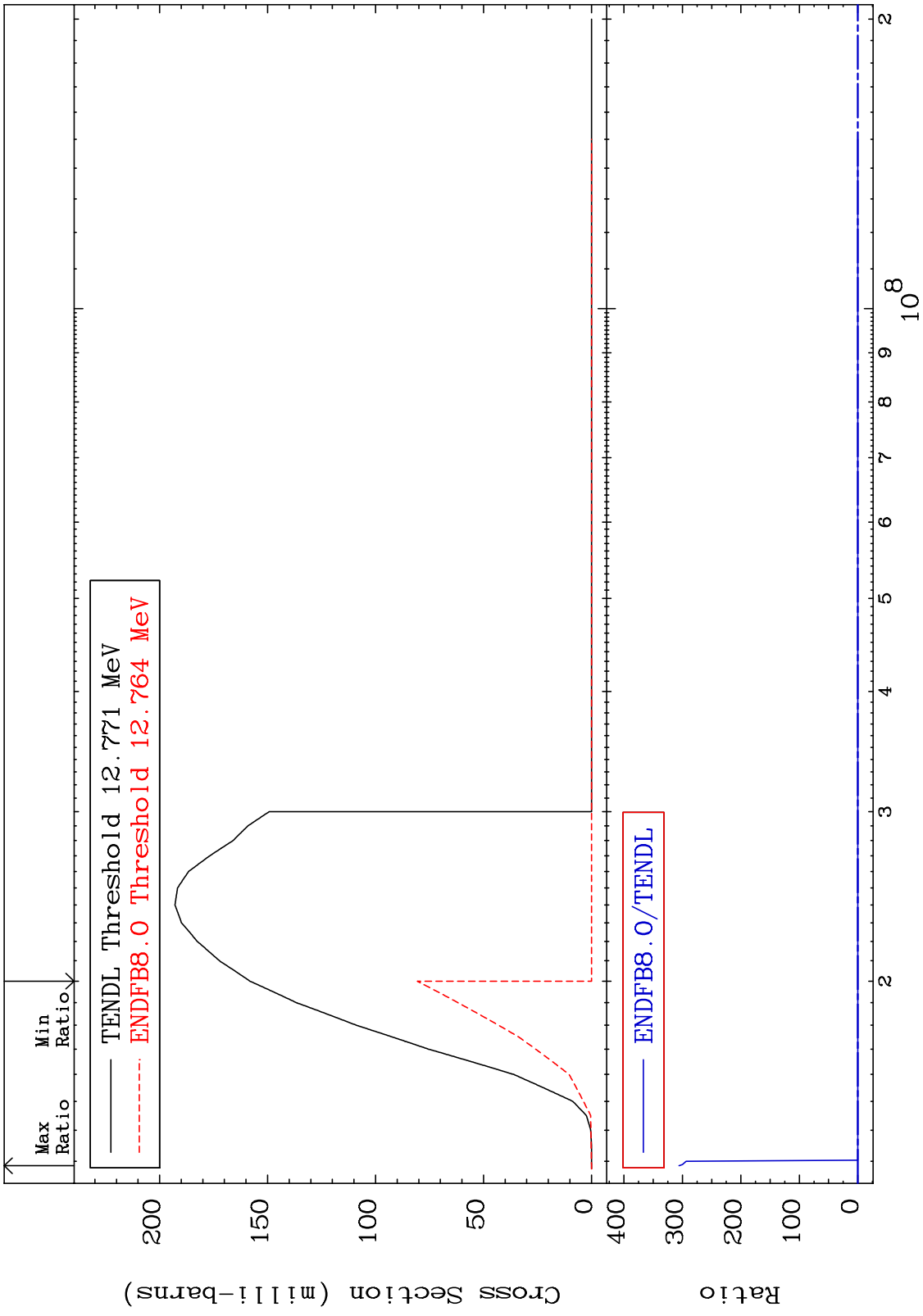


5 9 10<sup>7</sup> 0.0 0.4 0.8 1.2 2 3 4 5 6 7 8 9 10<sup>8</sup> 2

MAT 1428  $(n, n') \alpha$  14-Si-29  
 Cross Section -100.0 To 6271. %



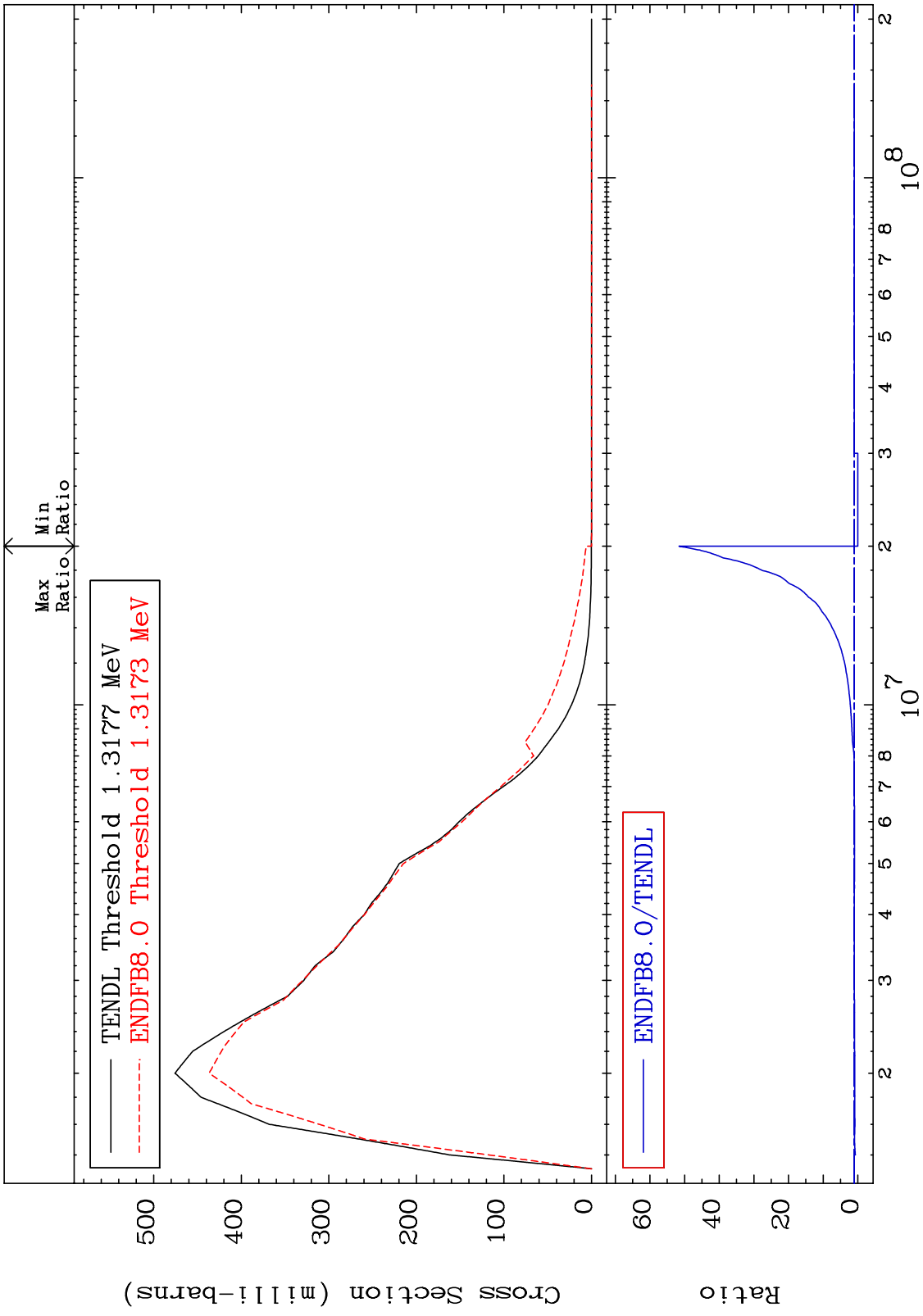
MAT 1428 (n,n') p 14-Si-29  
 Cross Section -100.0 To 9999. %



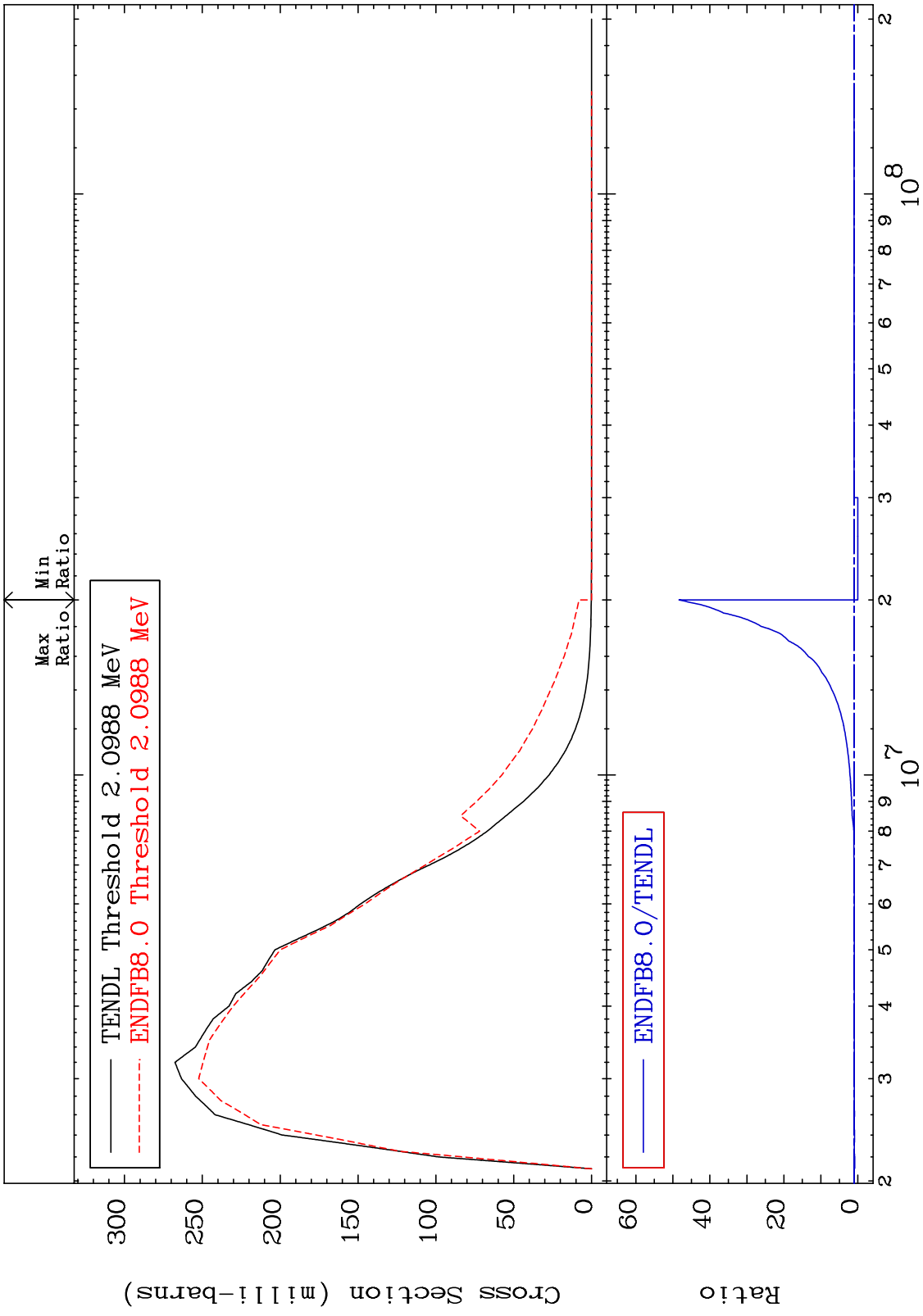
7 14-Si-29 Incident Energy (eV)



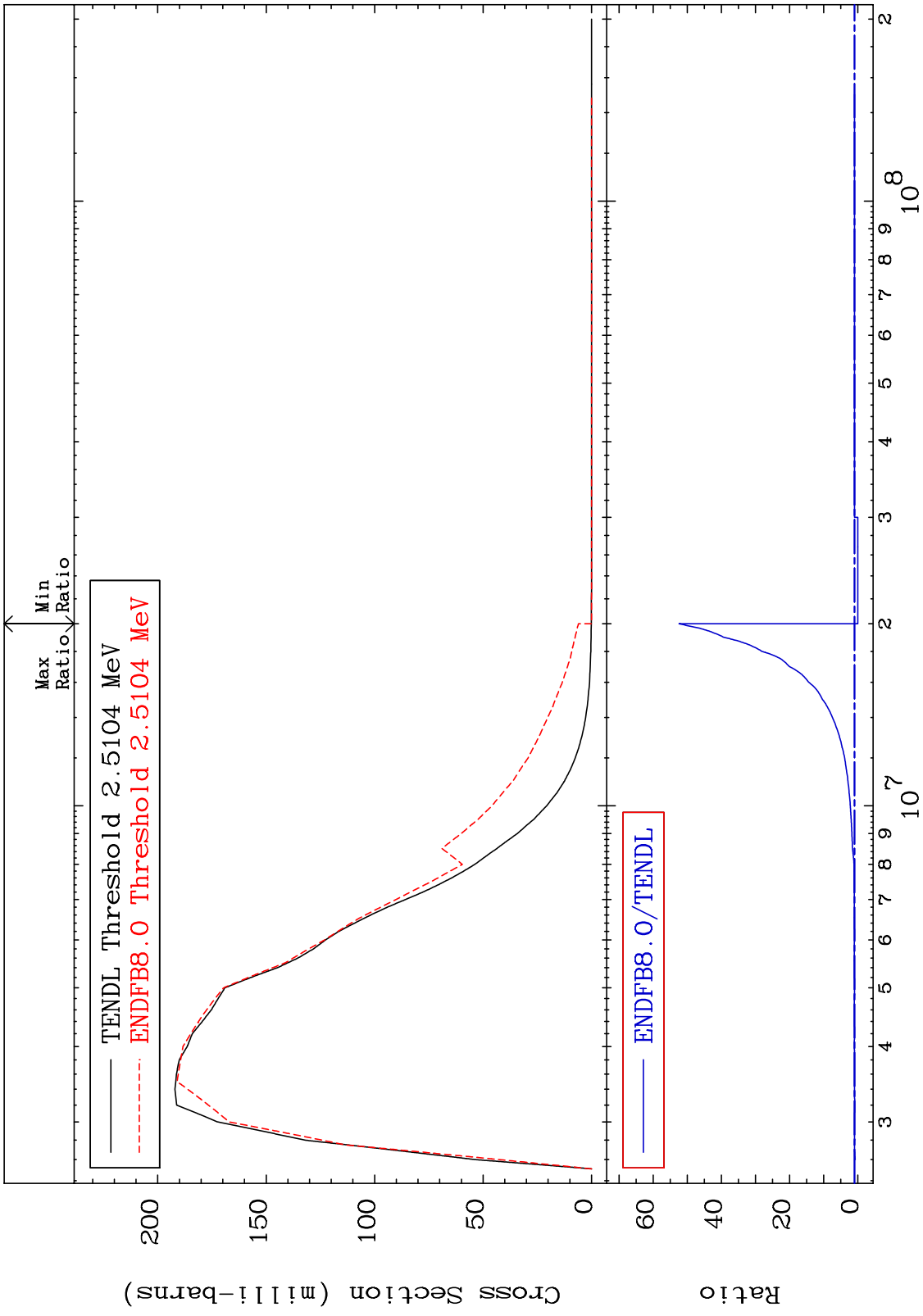
MAT 1428 MT= 51 (n,n') Level Cross Section -100.0 To 5060. % 14-Si-29



MAT 1428 MT= 52 (n,n') Level Cross Section -100.0 To 4733. % 14-Si-29

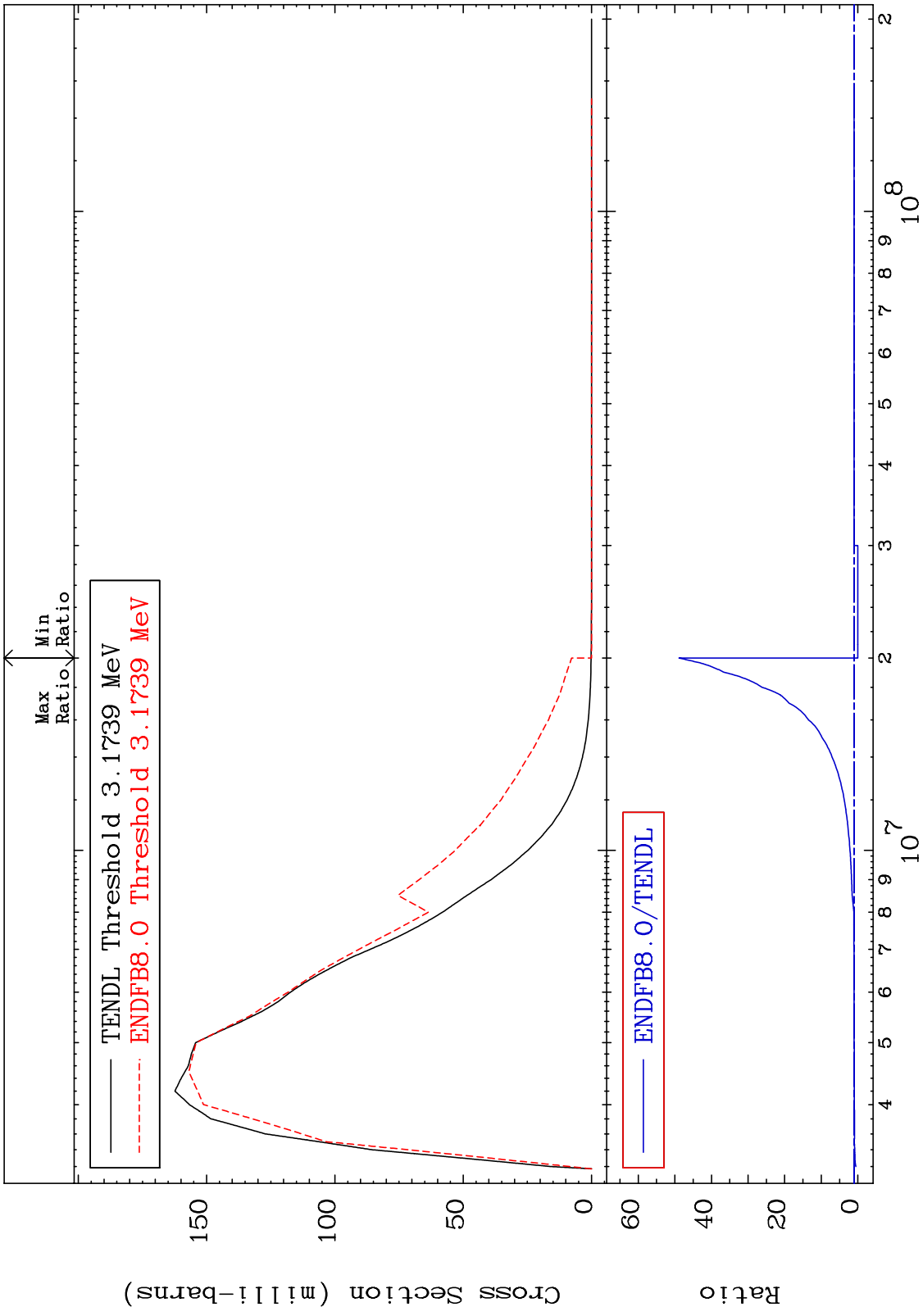


MAT 1428 MT= 53 (n,n') Level Cross Section -100.0 To 5140. % 14-Si-29

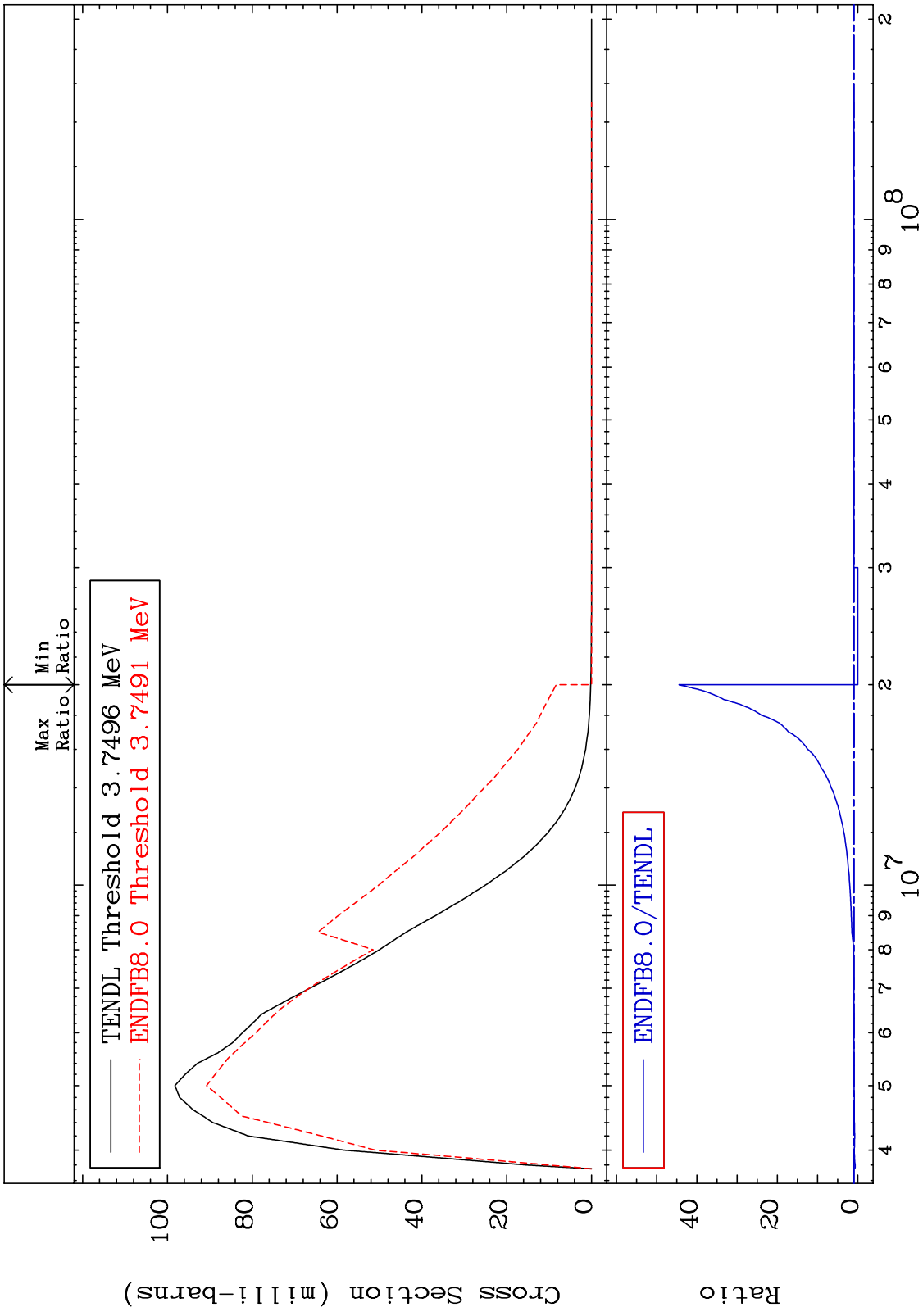


14-Si-29

MAT 1428 MT= 54 (n,n') Level Cross Section -100.0 To 4785. % 14-Si-29

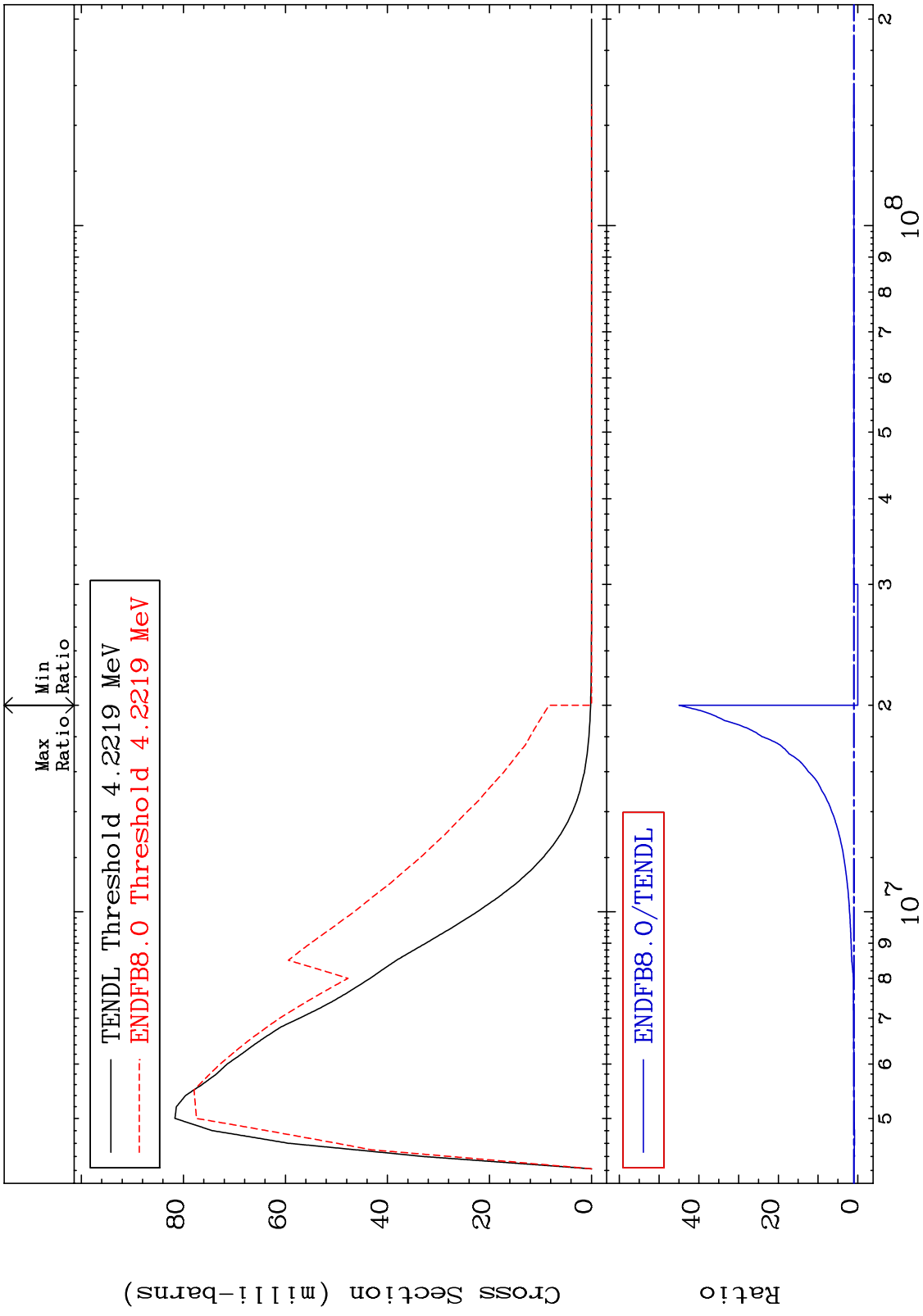


MAT 1428 MT= 55 (n,n') Level Cross Section -100.0 To 4344. % 14-Si-29

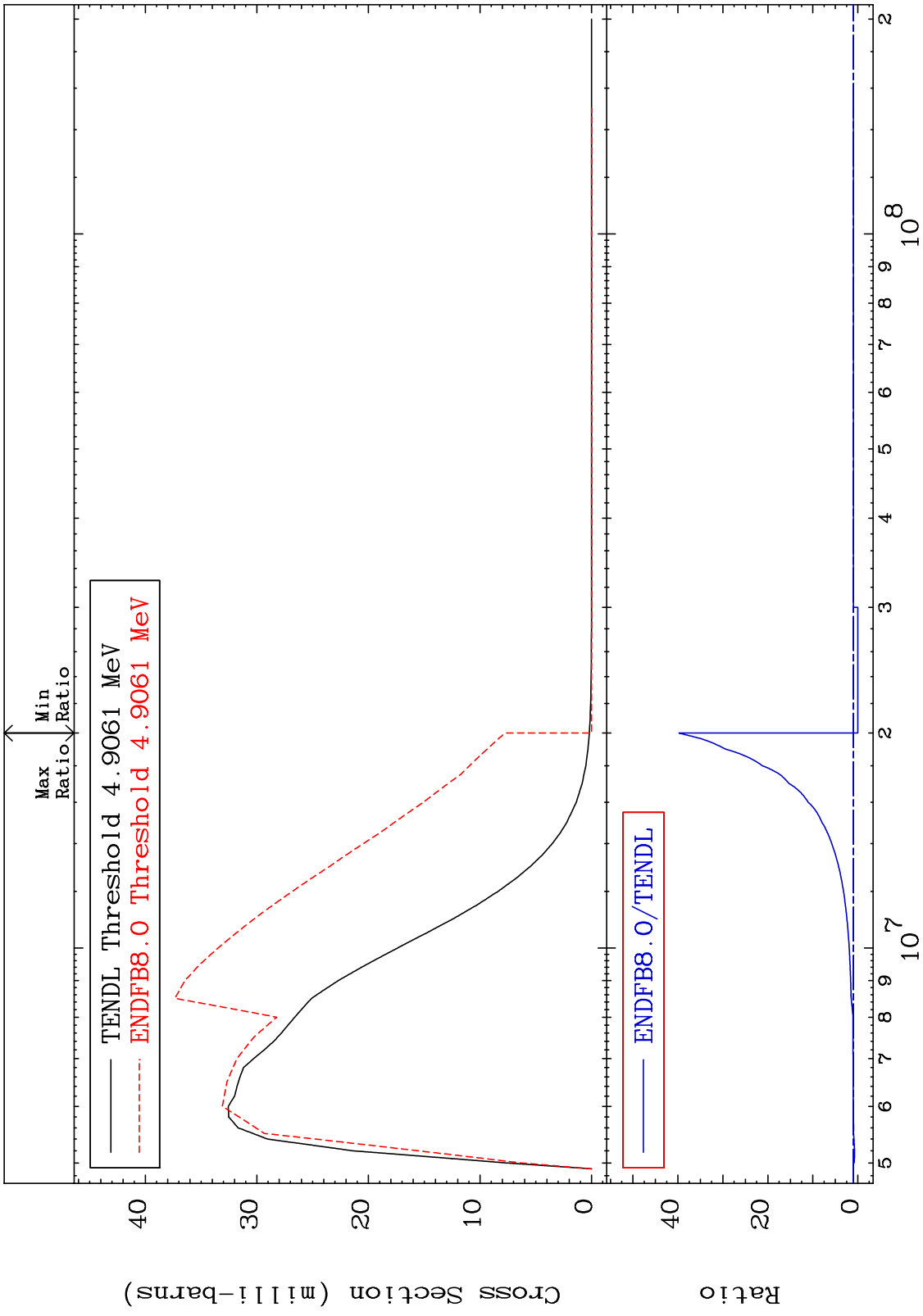


12 14-Si-29

MAT 1428 MT= 56 (n,n') Level Cross Section -100.0 To 4399. % 14-Si-29

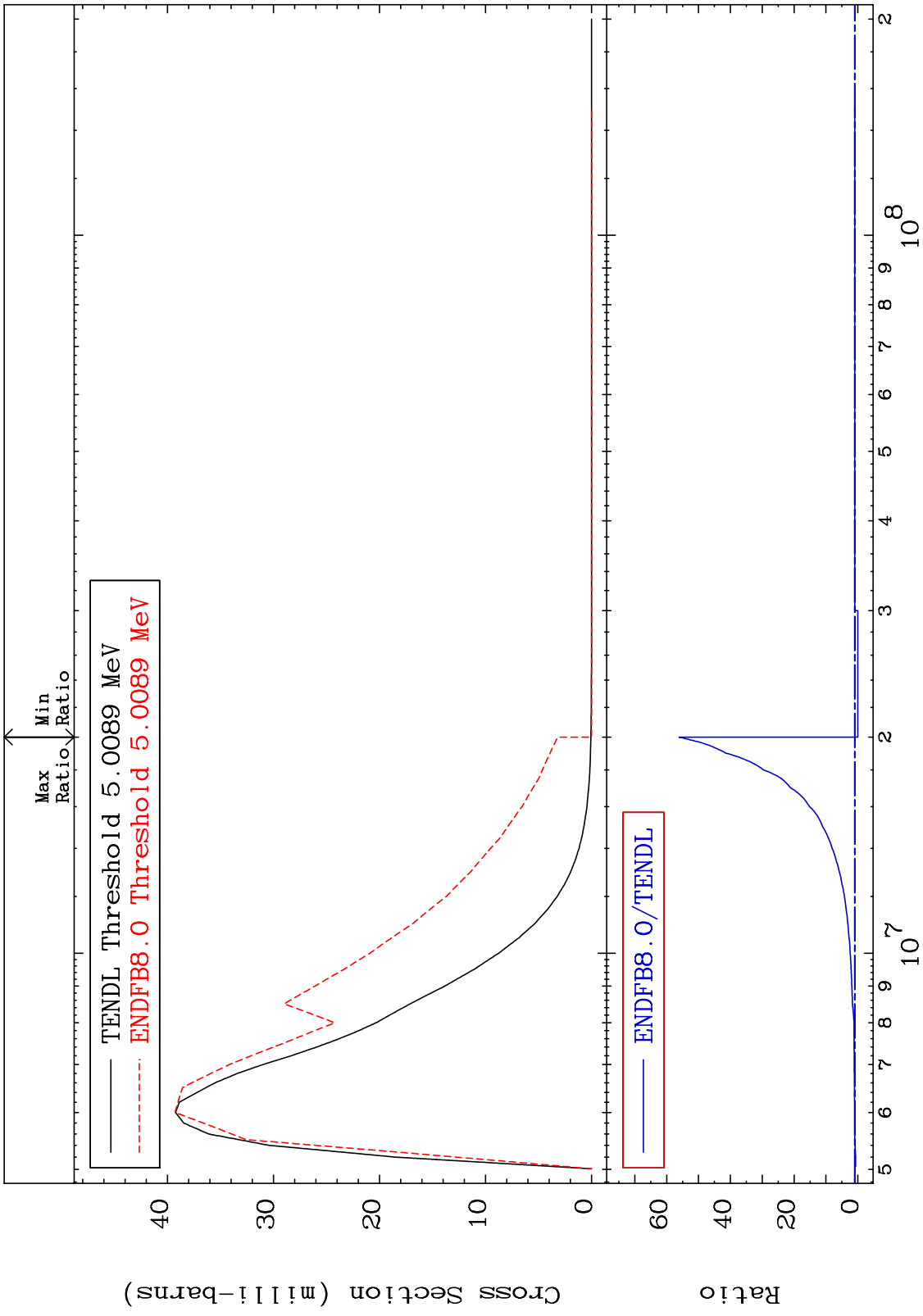


MAT 1428 MT= 57 (n,n') Level Cross Section -100.0 To 3875. % 14-Si-29



14

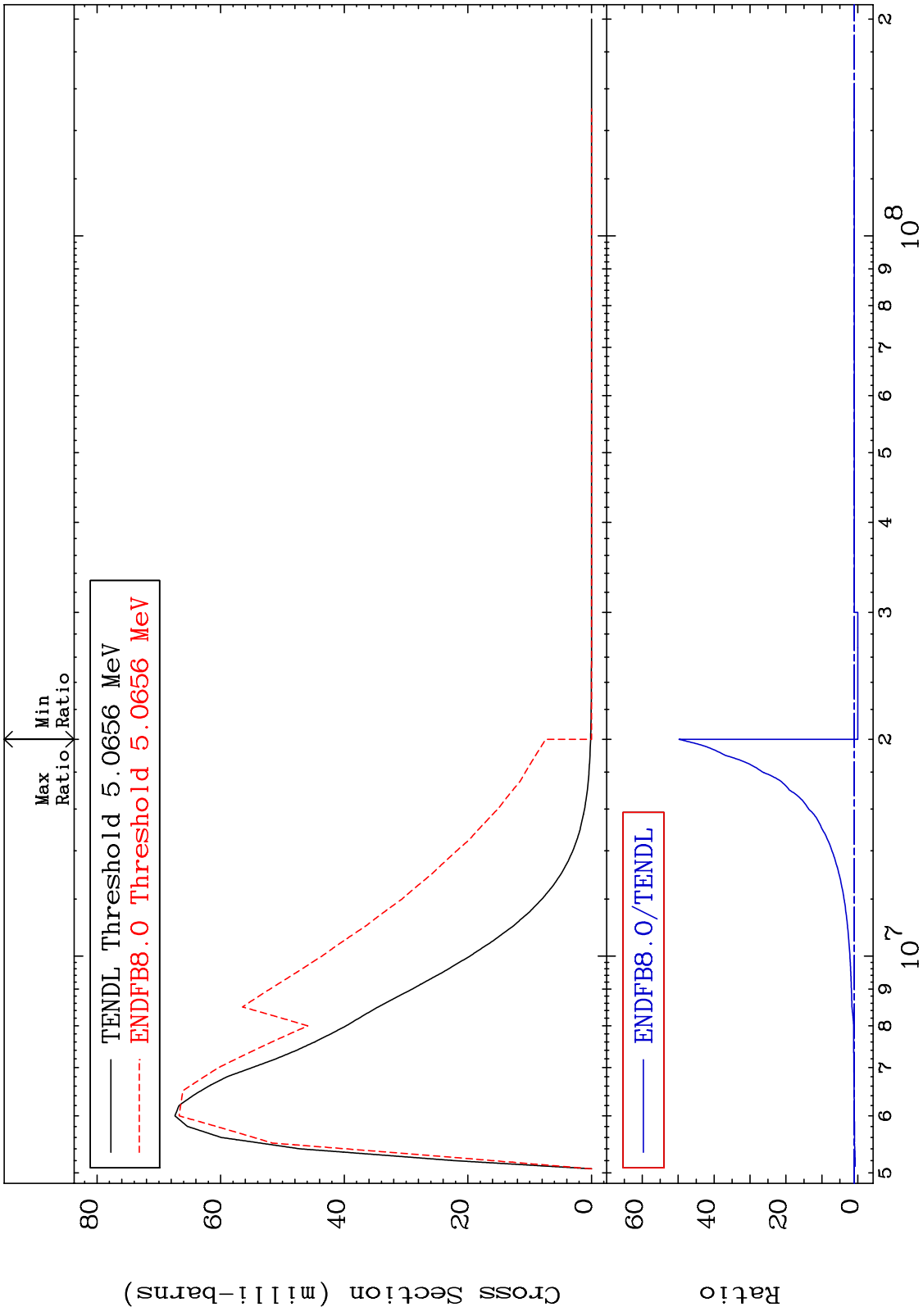
MAT 1428 MT= 58 (n,n') Level Cross Section -100.0 To 5512. % 14-Si-29



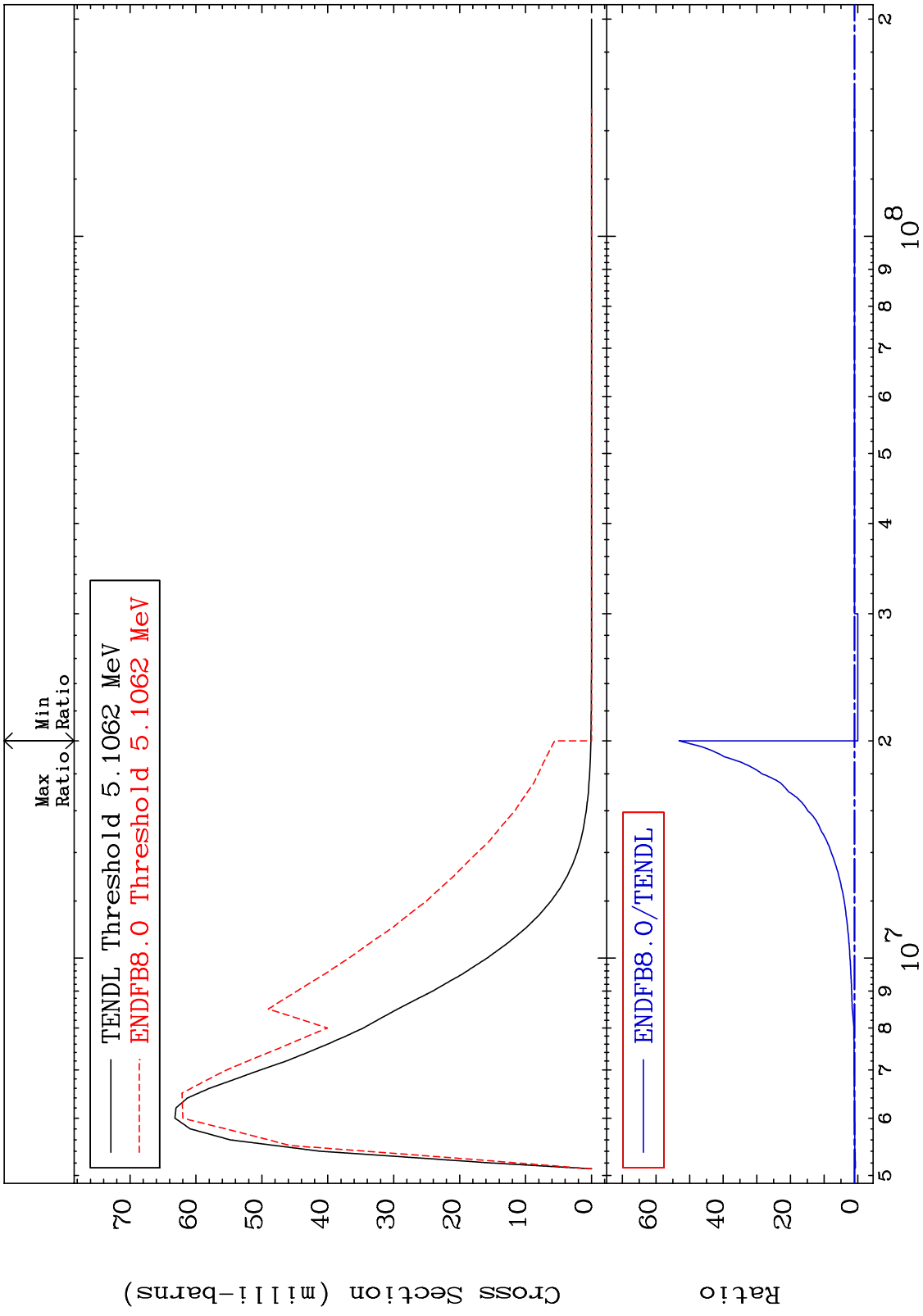
15 14-Si-29



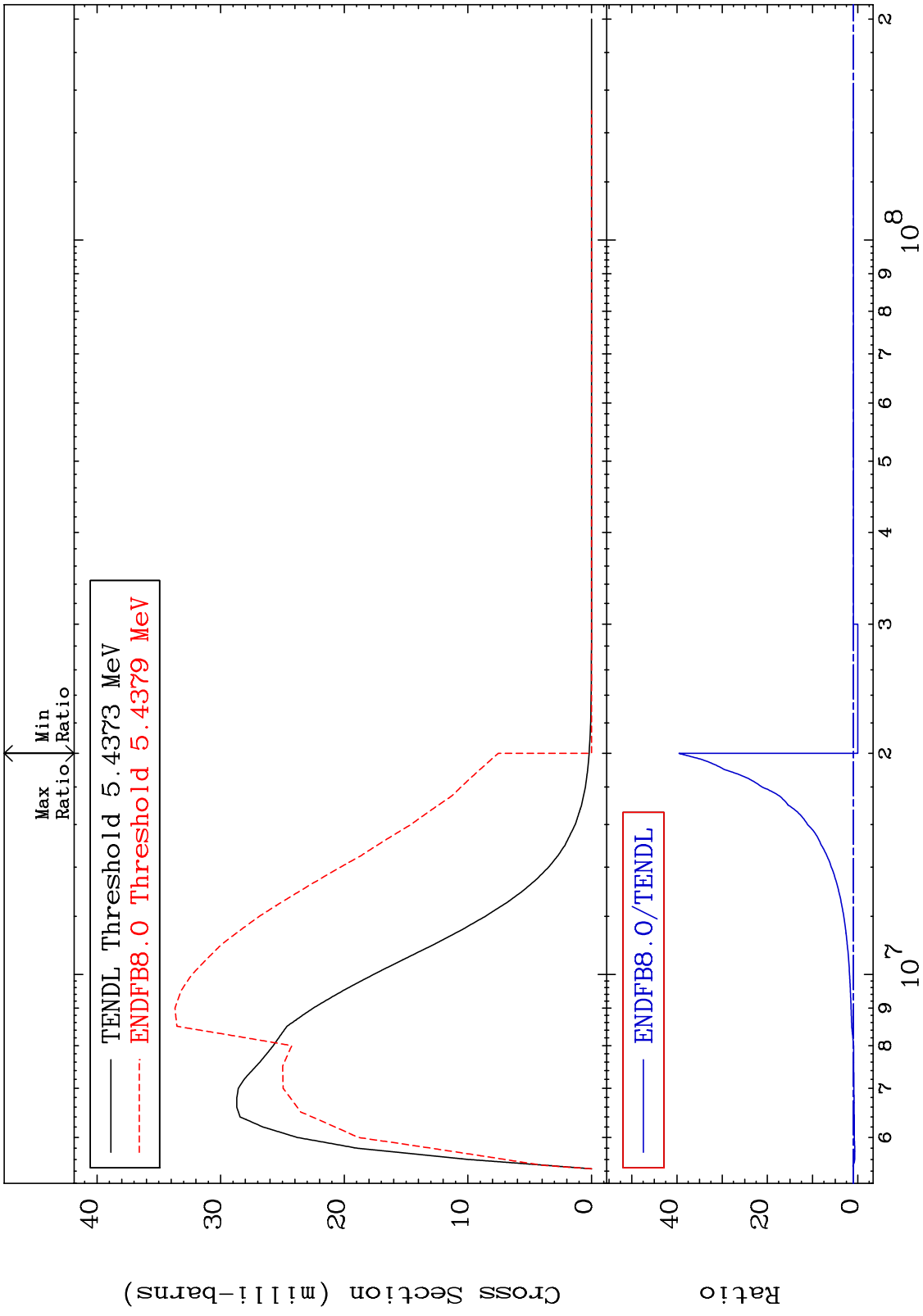
MAT 1428 MT= 59 (n,n') Level Cross Section 14-Si-29  
 -100.0 To 4876. %



MAT 1428 MT= 60 (n,n') Level Cross Section -100.0 To 5213. % 14-Si-29

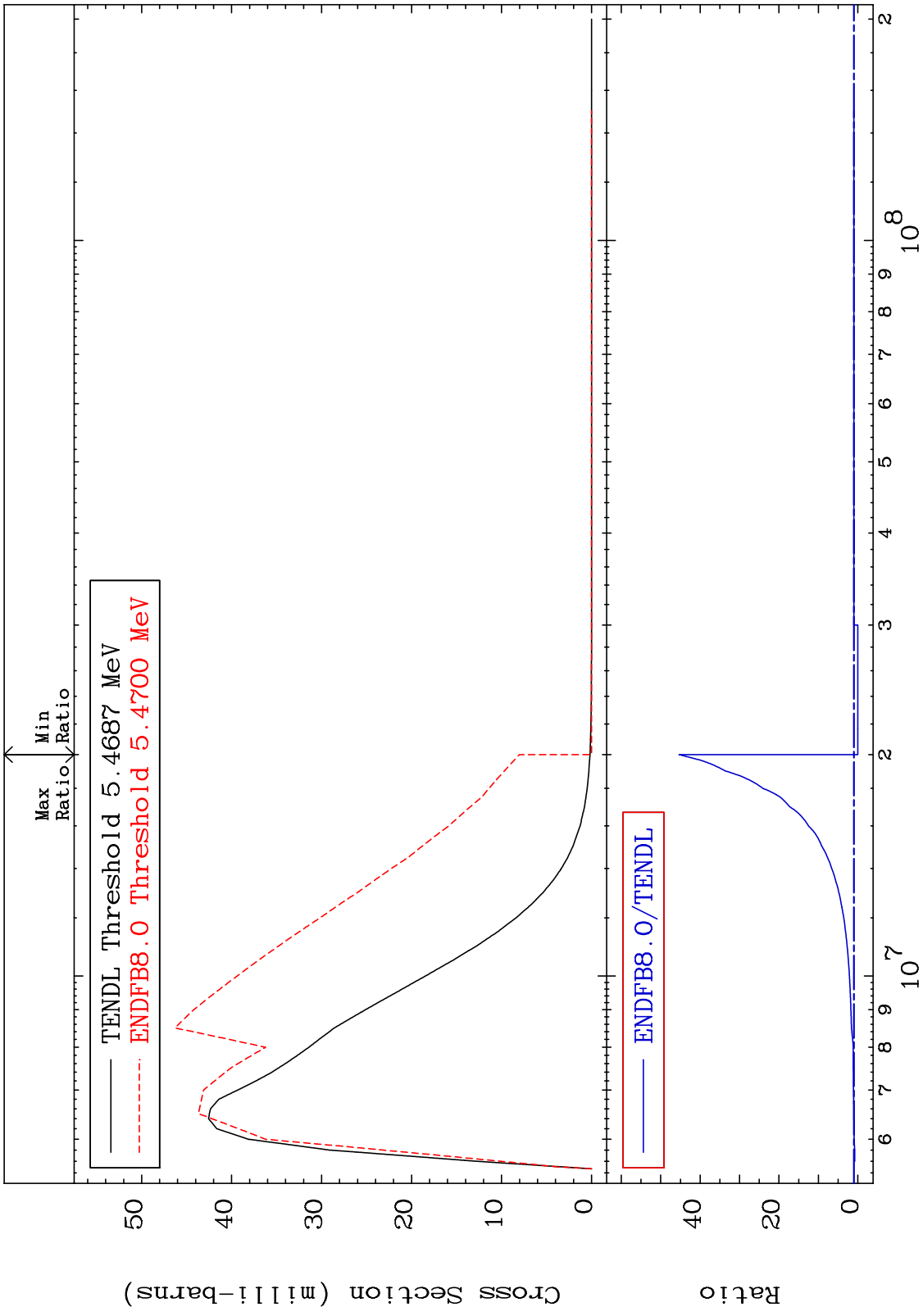


MAT 1428 MT= 61 (n,n') Level Cross Section -100.0 To 3854. % 14-Si-29

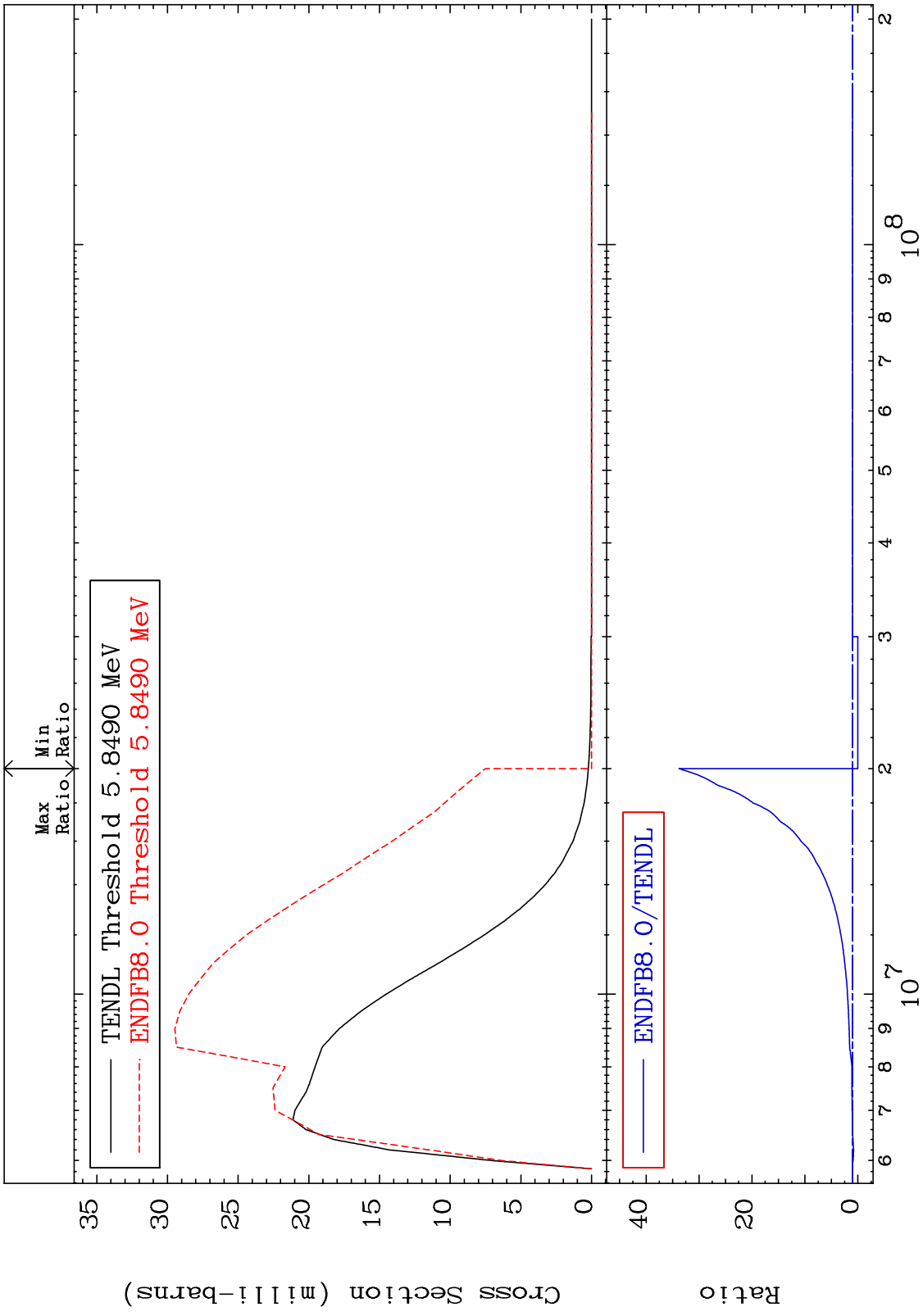


18 14-Si-29

MAT 1428 MT= 62 (n,n') Level Cross Section -100.0 To 4435. % 14-Si-29

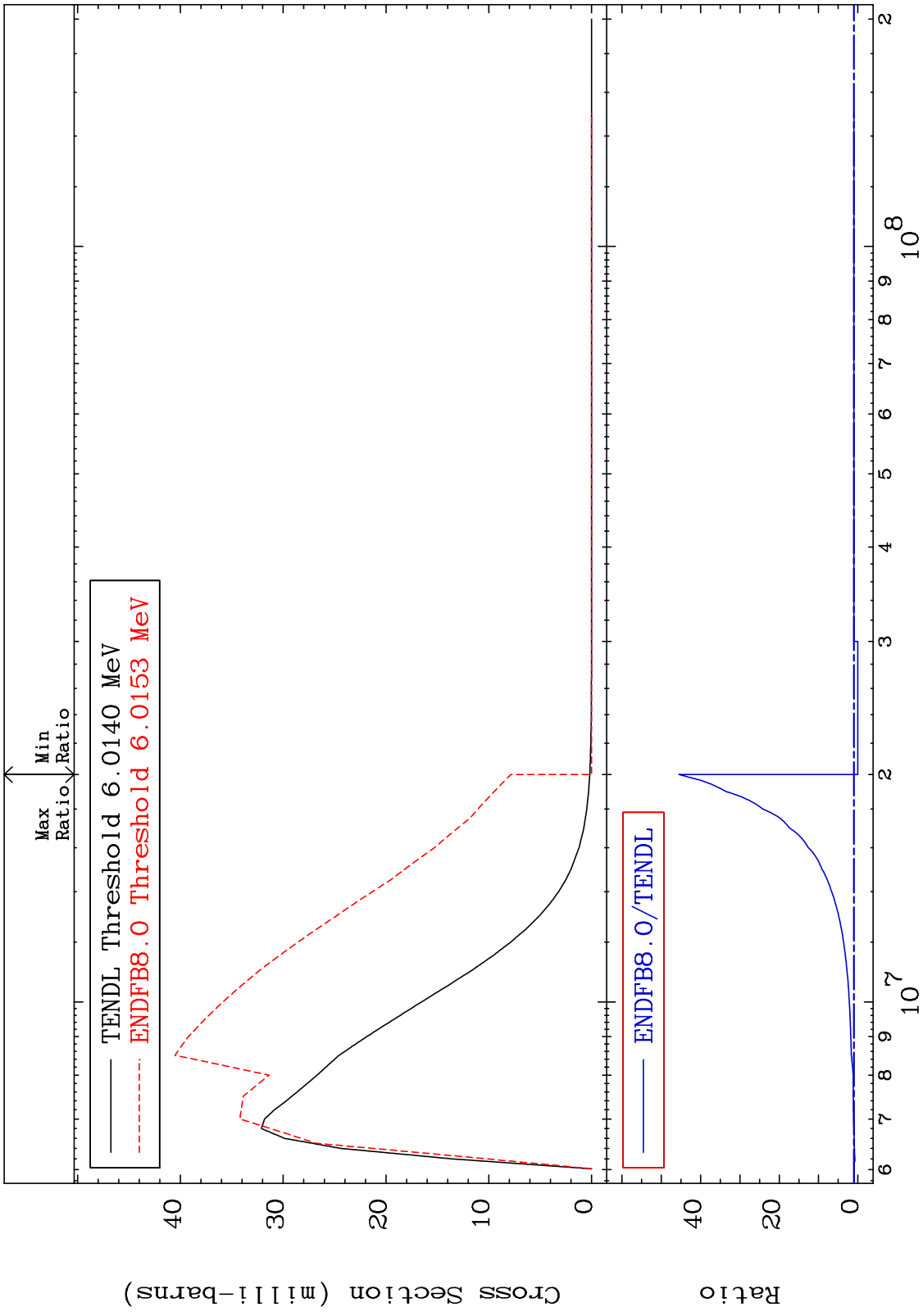


MAT 1428 MT= 63 (n,n') Level Cross Section -100.0 To 3277. % 14-Si-29

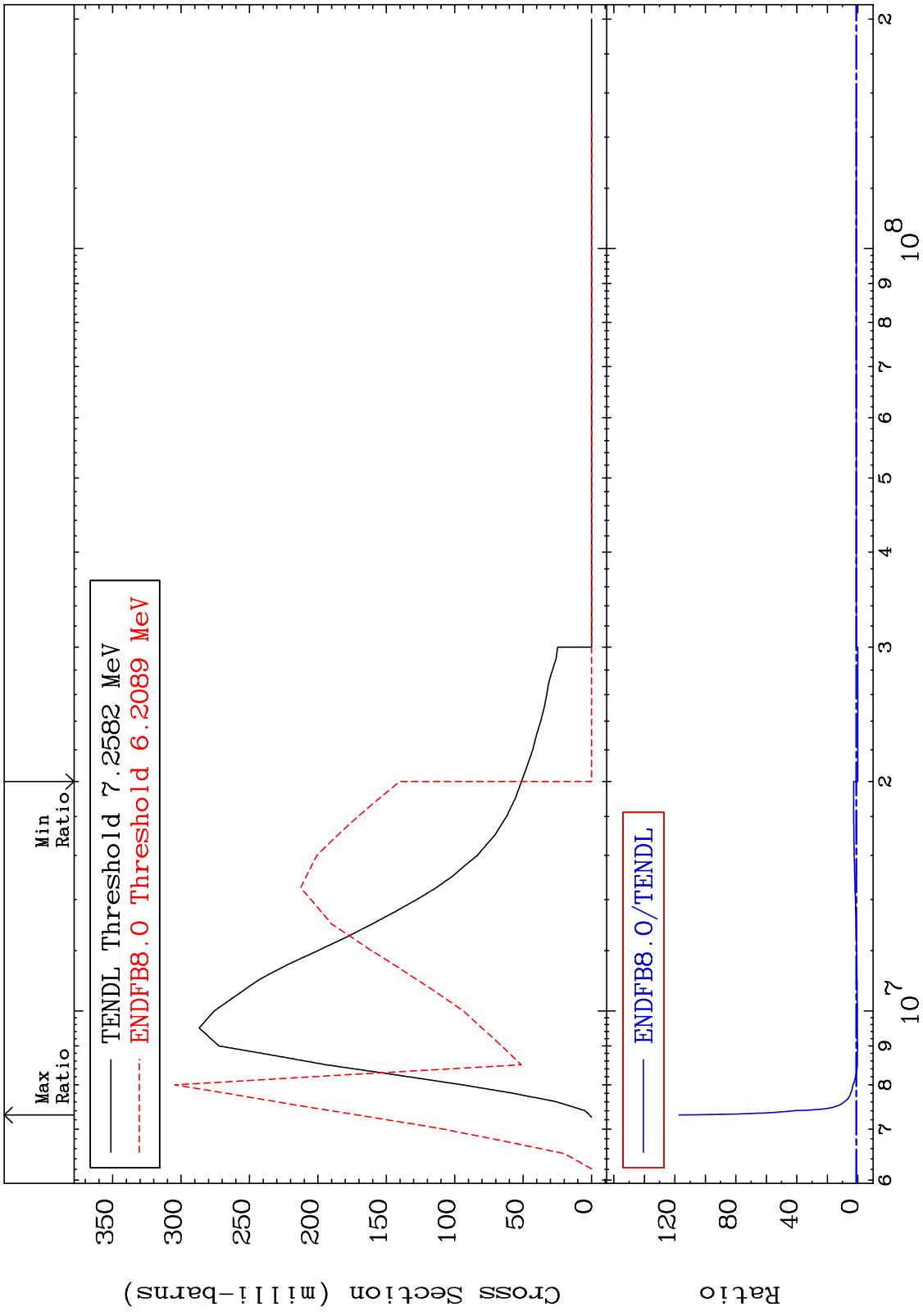


20 Incident Energy (eV) 14-Si-29

MAT 1428 MT= 64 (n,n') Level Cross Section -100.0 To 4449. % 14-Si-29



MAT 1428 (n,n') Continuum Cross Section -100.0 To 9999. % 14-Si-29



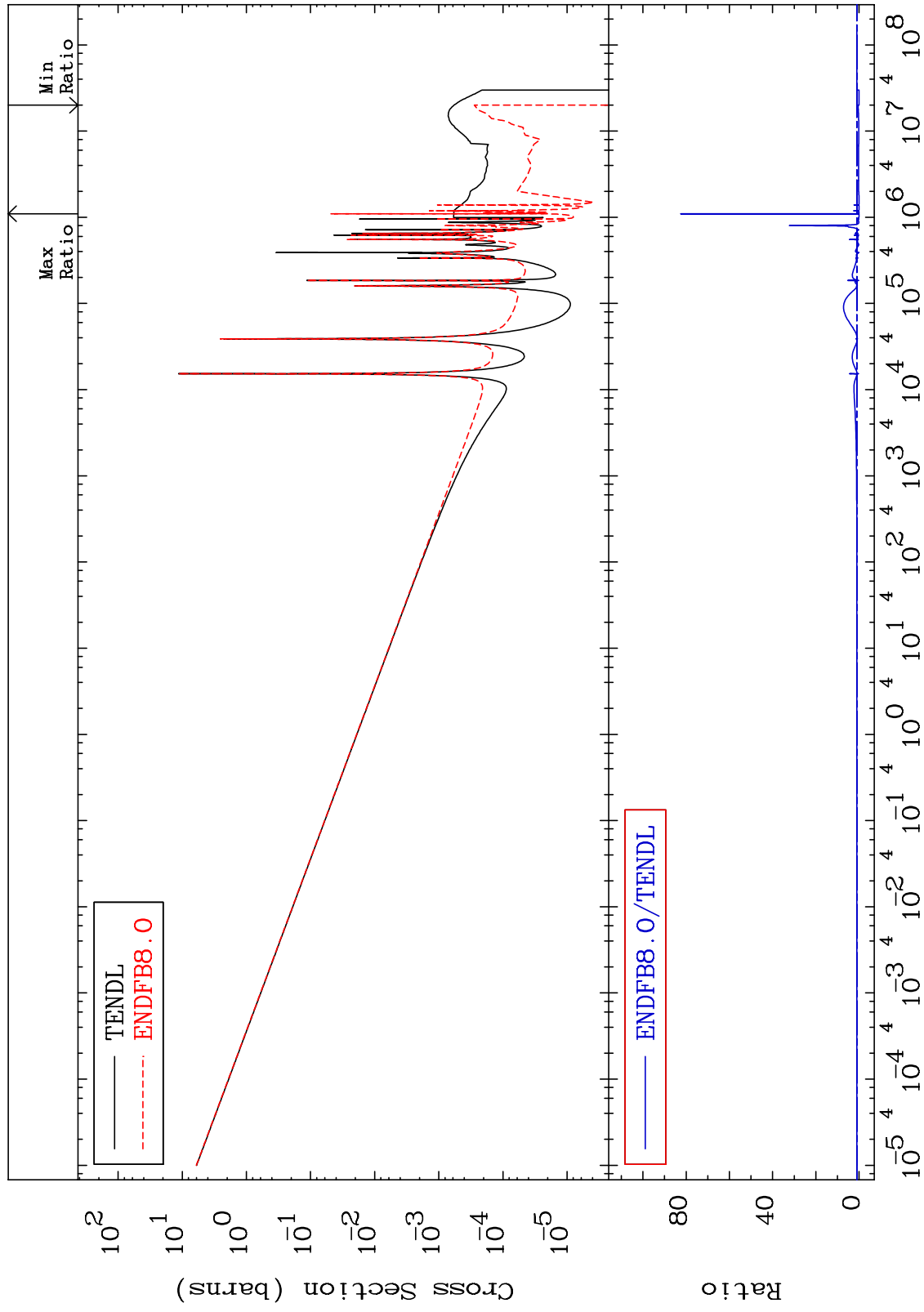
MAT 1428

(n,  $\gamma$ )

14-Si-29

Cross Section

-100.0 To 8145. %



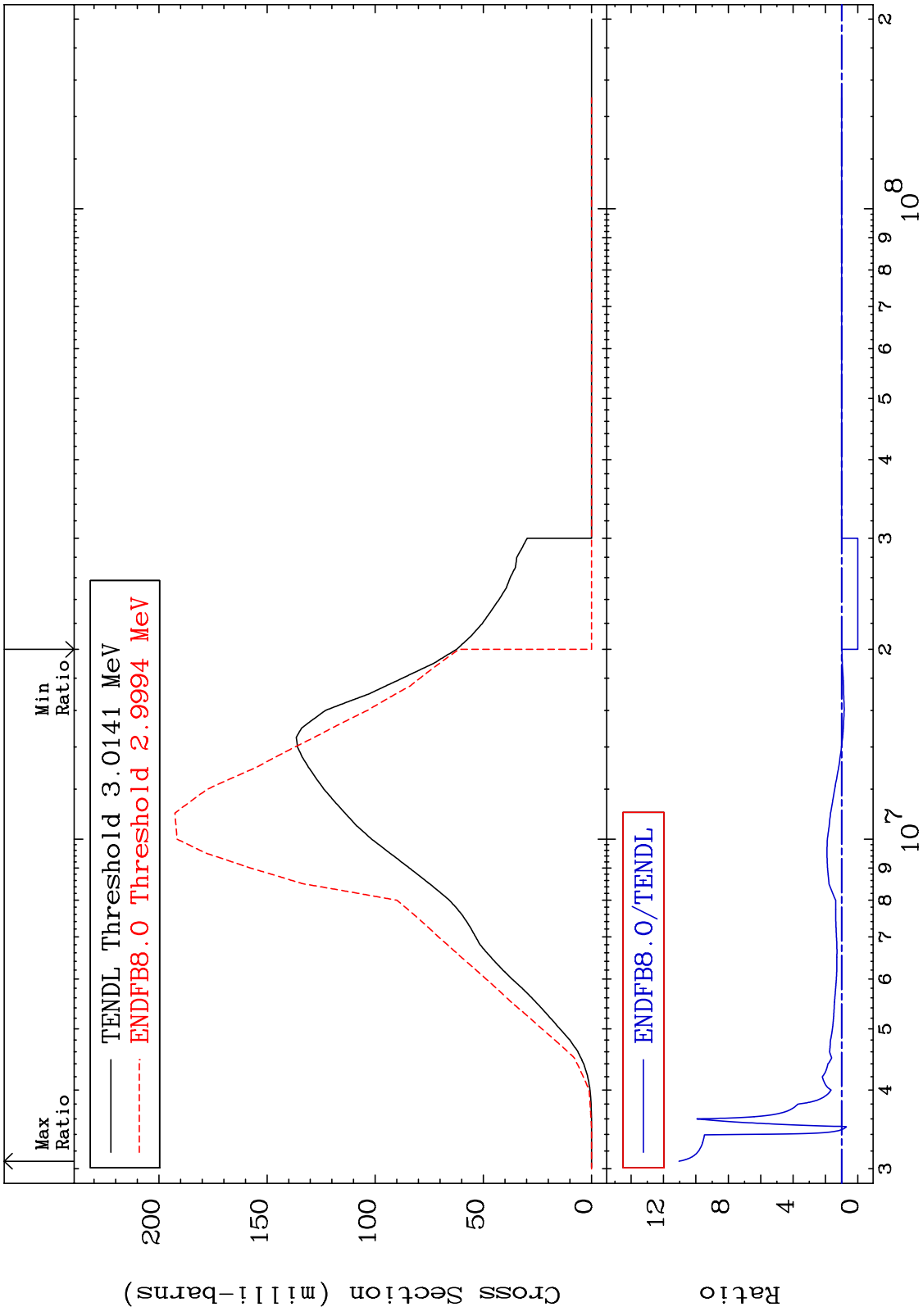
23

Incident Energy (eV)

14-Si-29

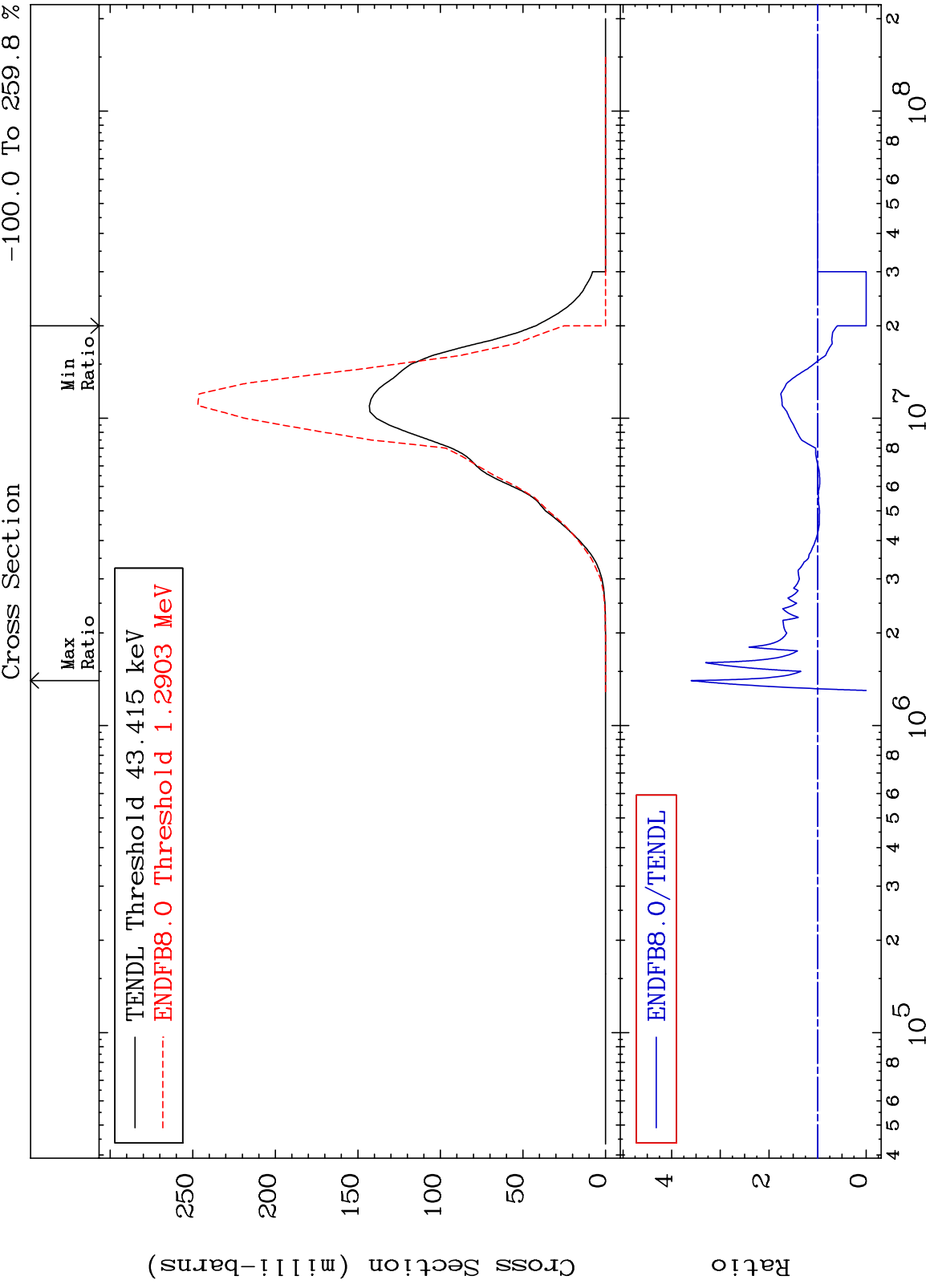


MAT 1428 (n,p) Cross Section 14-Si-29 -100.0 To 1004. %

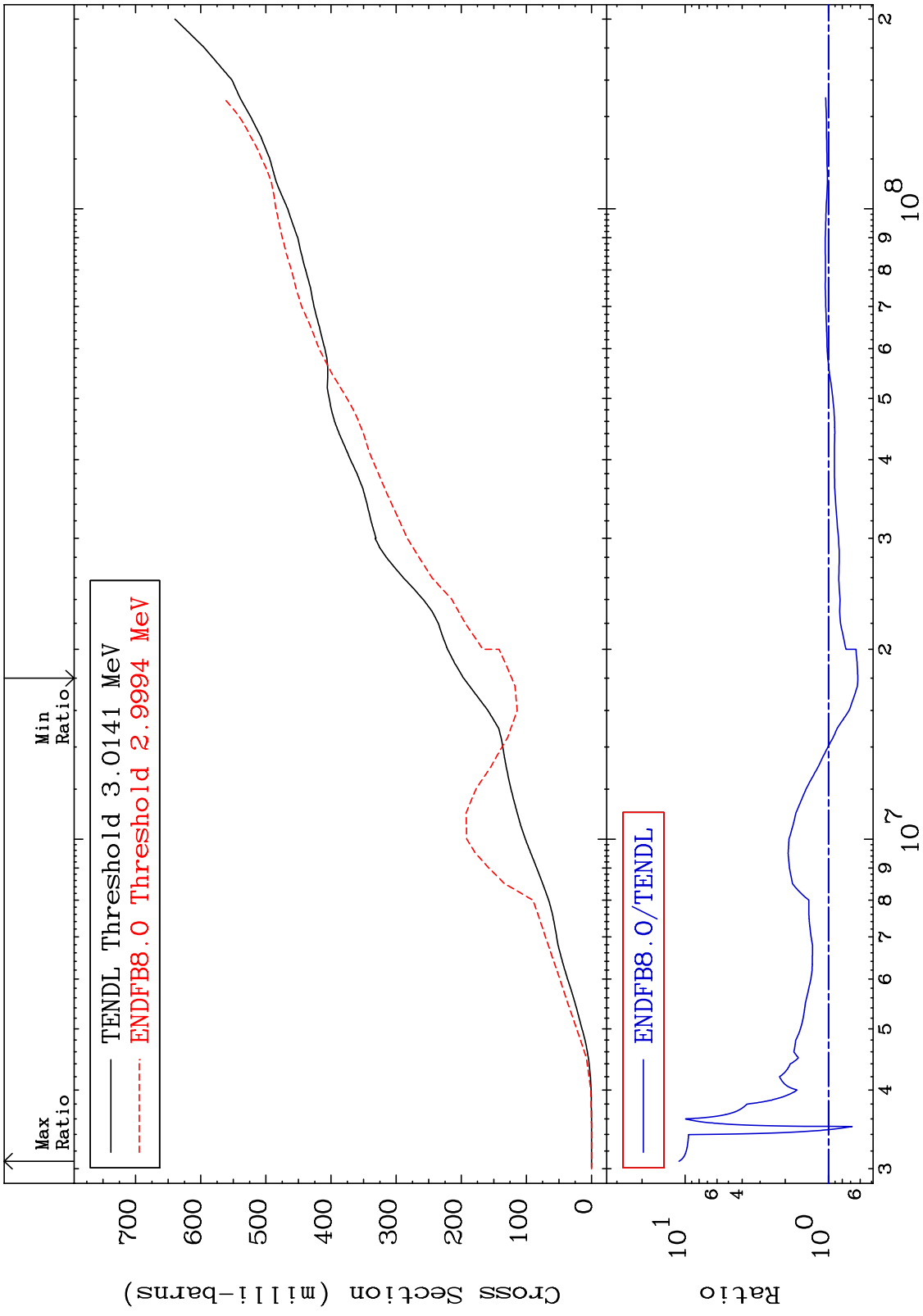


24 14-Si-29 Incident Energy (eV)

MAT 1428  $^{14}\text{Si-29}$   $(n, \alpha)$  -100.0 To 259.8 %

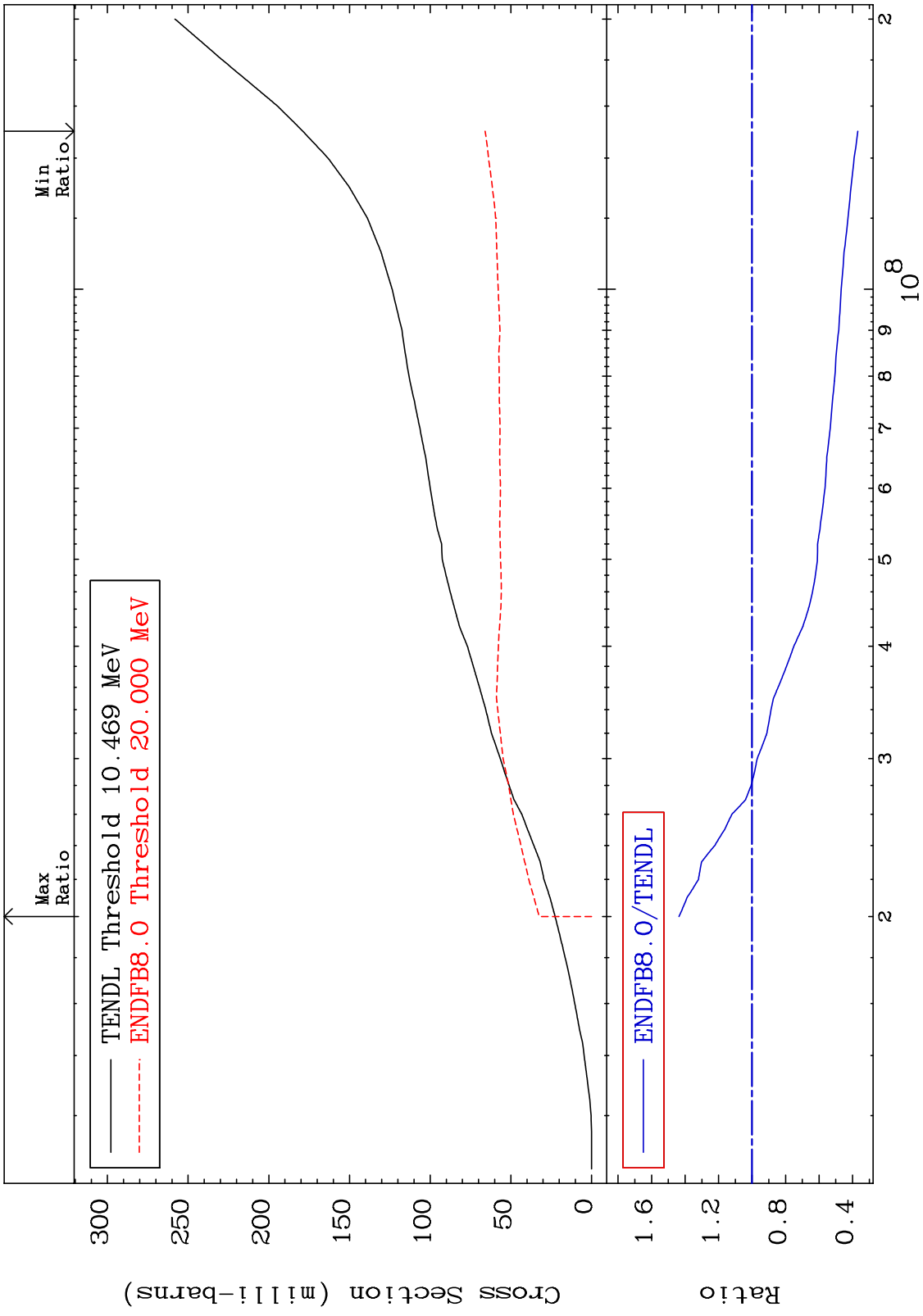


MAT 1428 Hydrogen Production Cross Section 14-Si-29 -37.66 To 1004. %

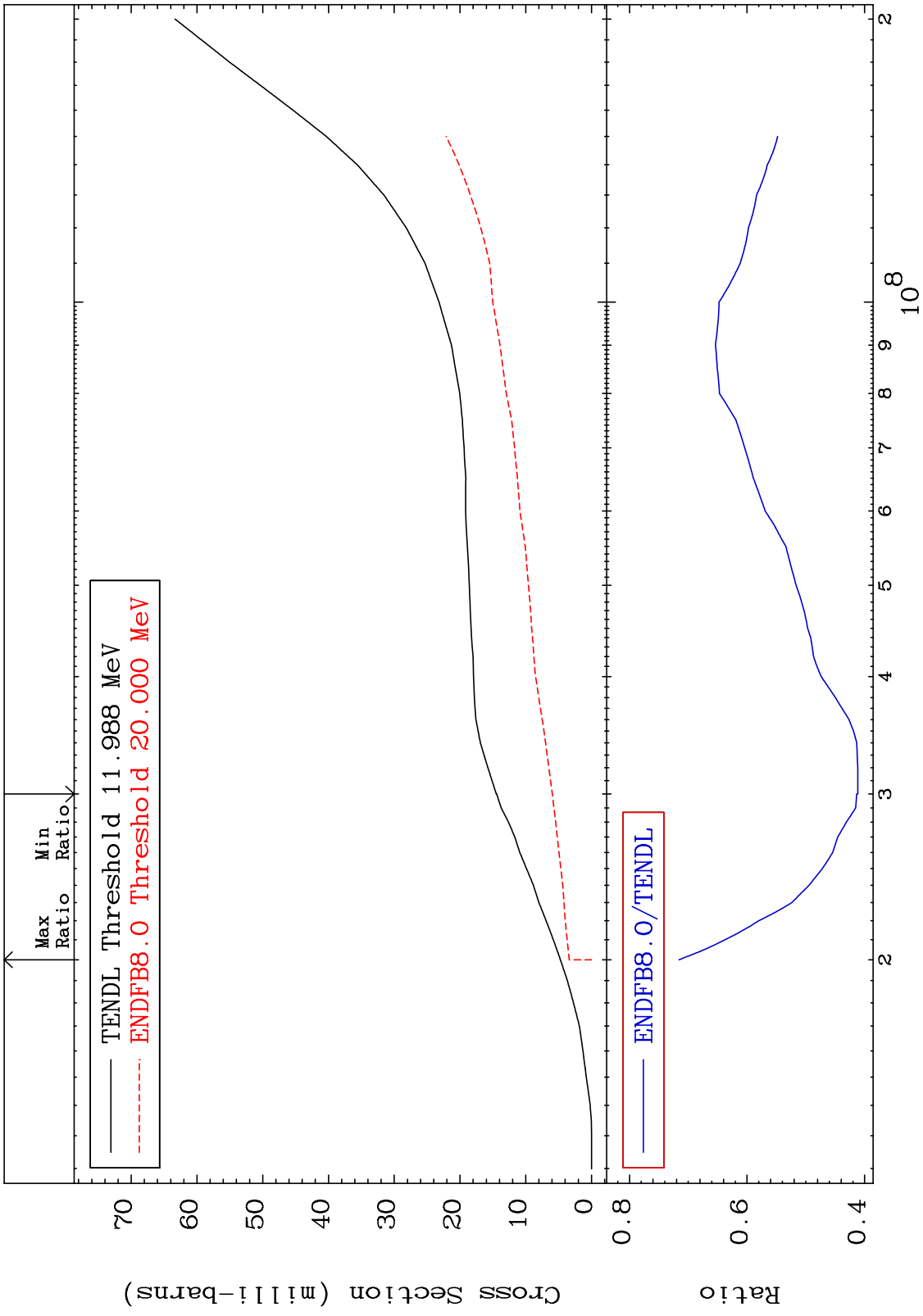


26 14-Si-29 Incident Energy (eV)

MAT 1428 Deuterium Production Cross Section 14-Si-29 -63.16 To 43.60 %



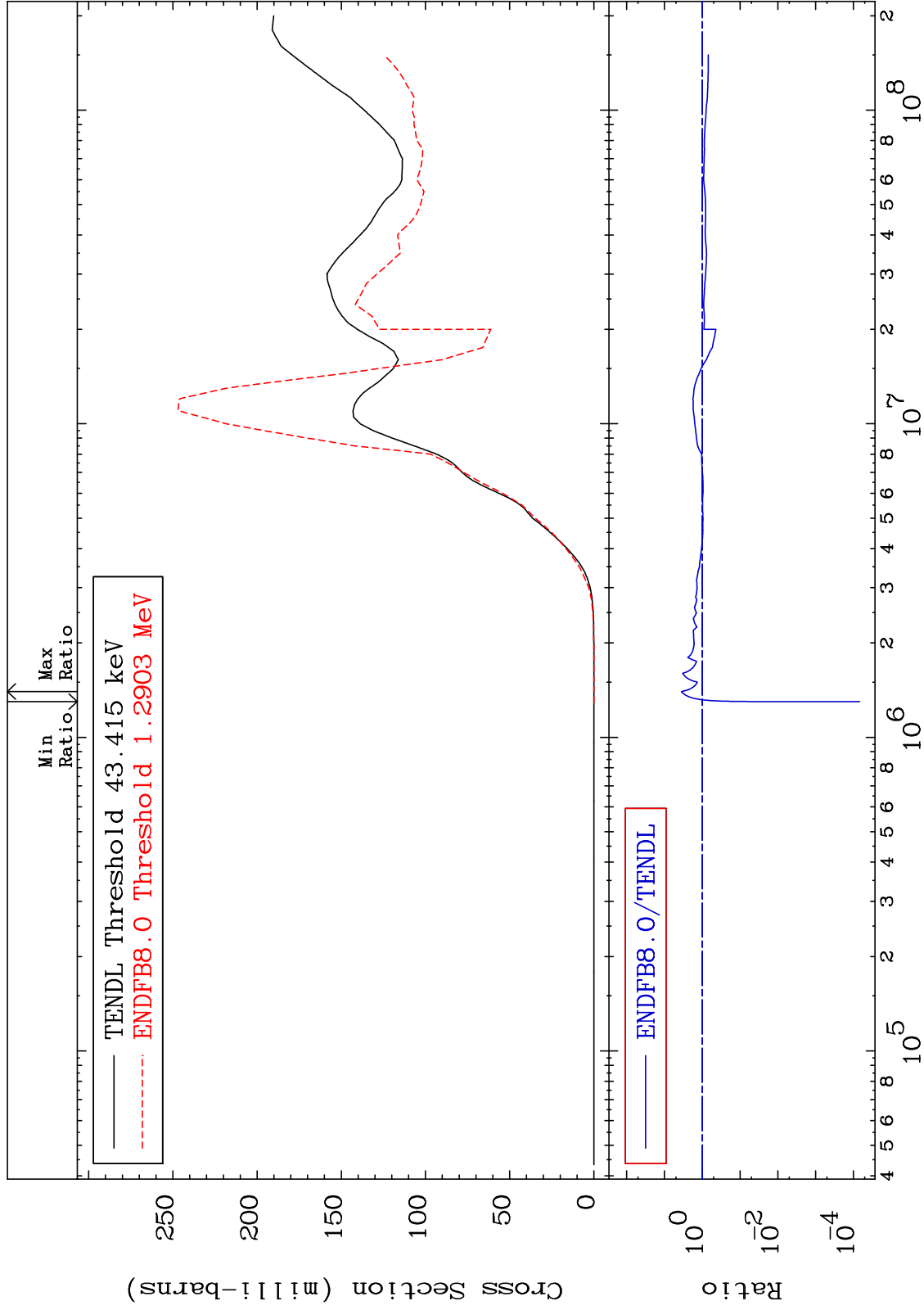
MAT 1428 Tritium Production Cross Section 14-Si-29 -58.84 To -28.43%



MAT 1428

He-4 Production  
Cross Section

14-Si-29  
-99.99 To 259.8 %

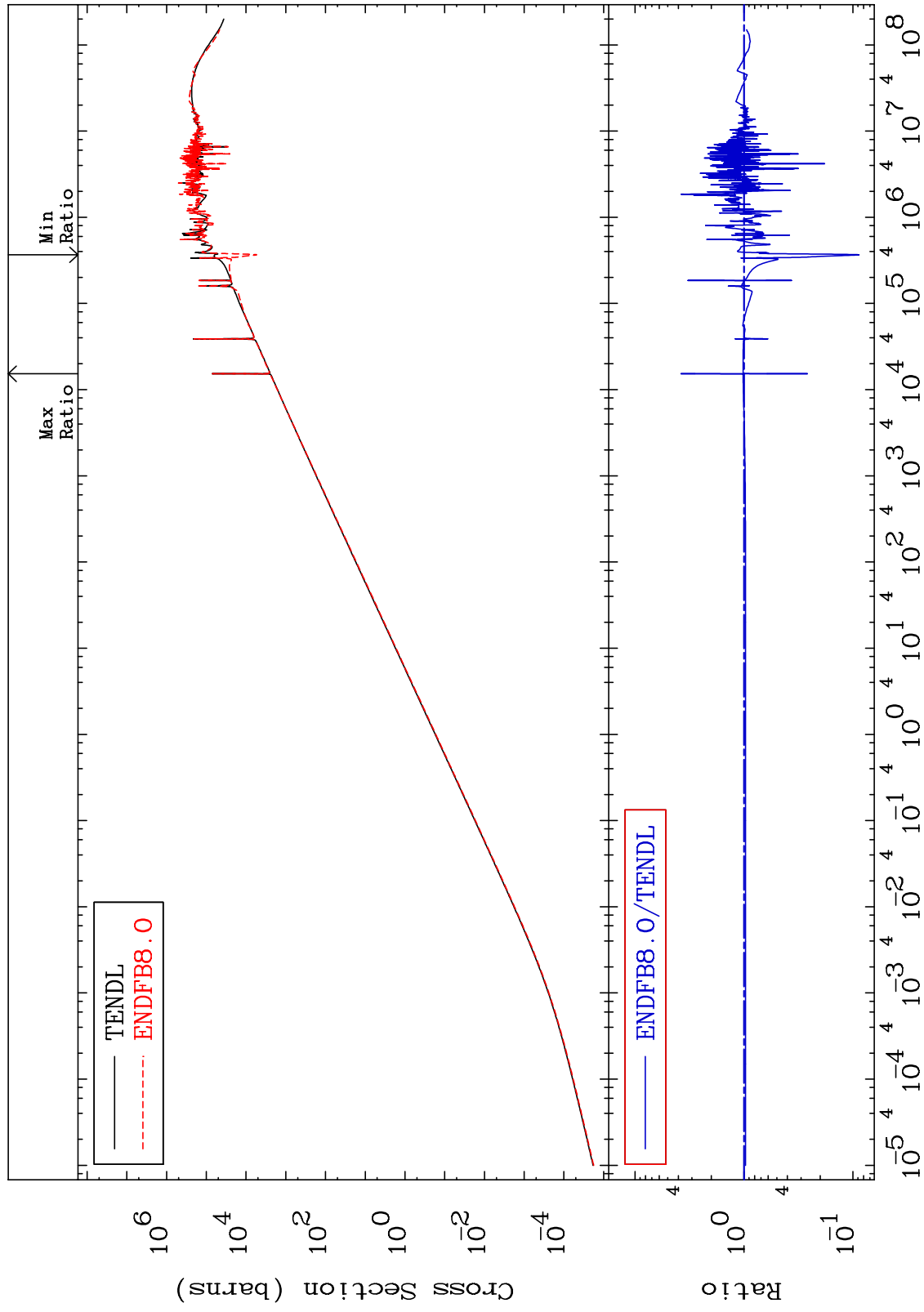




MAT 1428

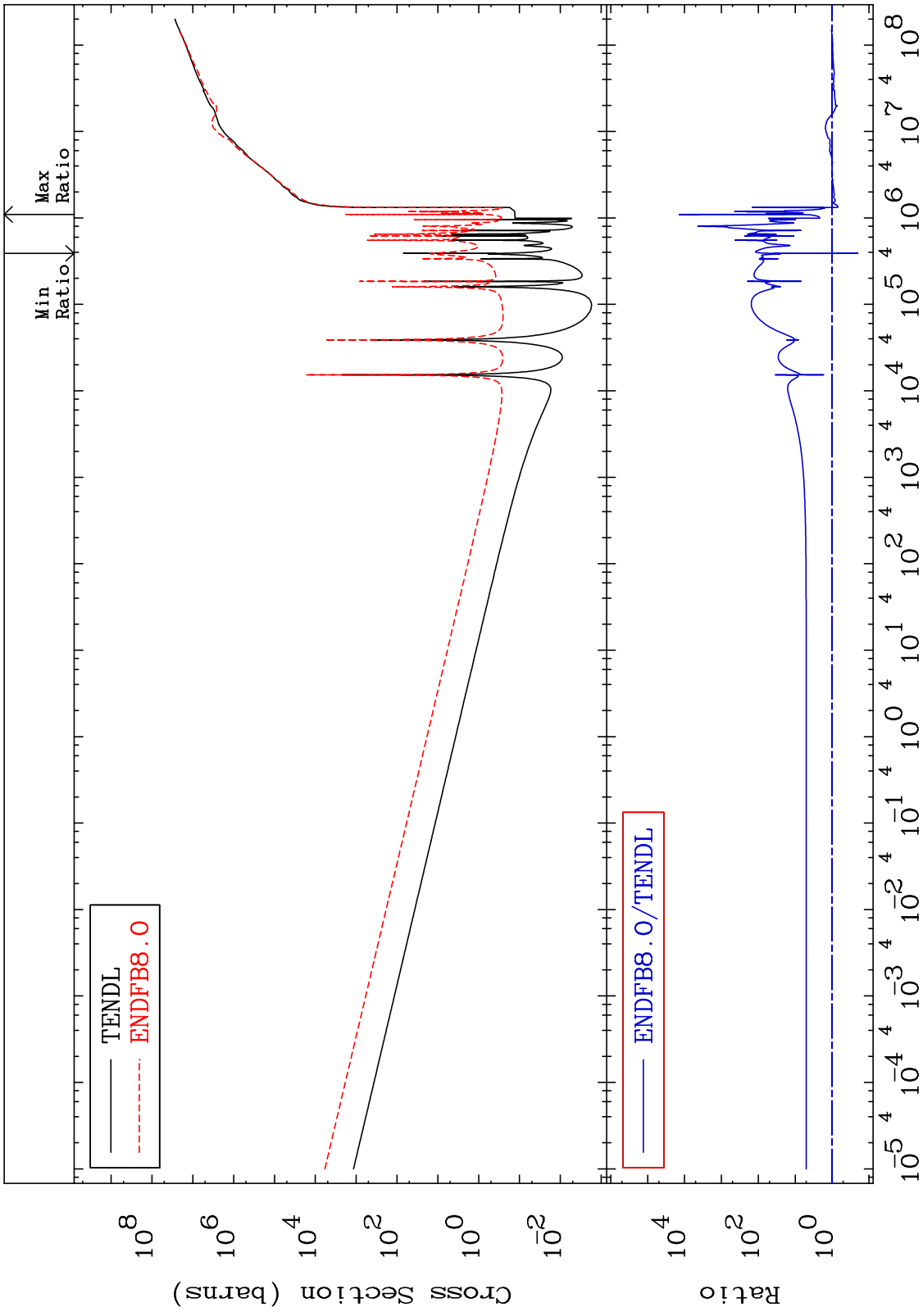
Kerma elastic  
Cross Section

14-Si-29  
-91.20 To 279.7 %

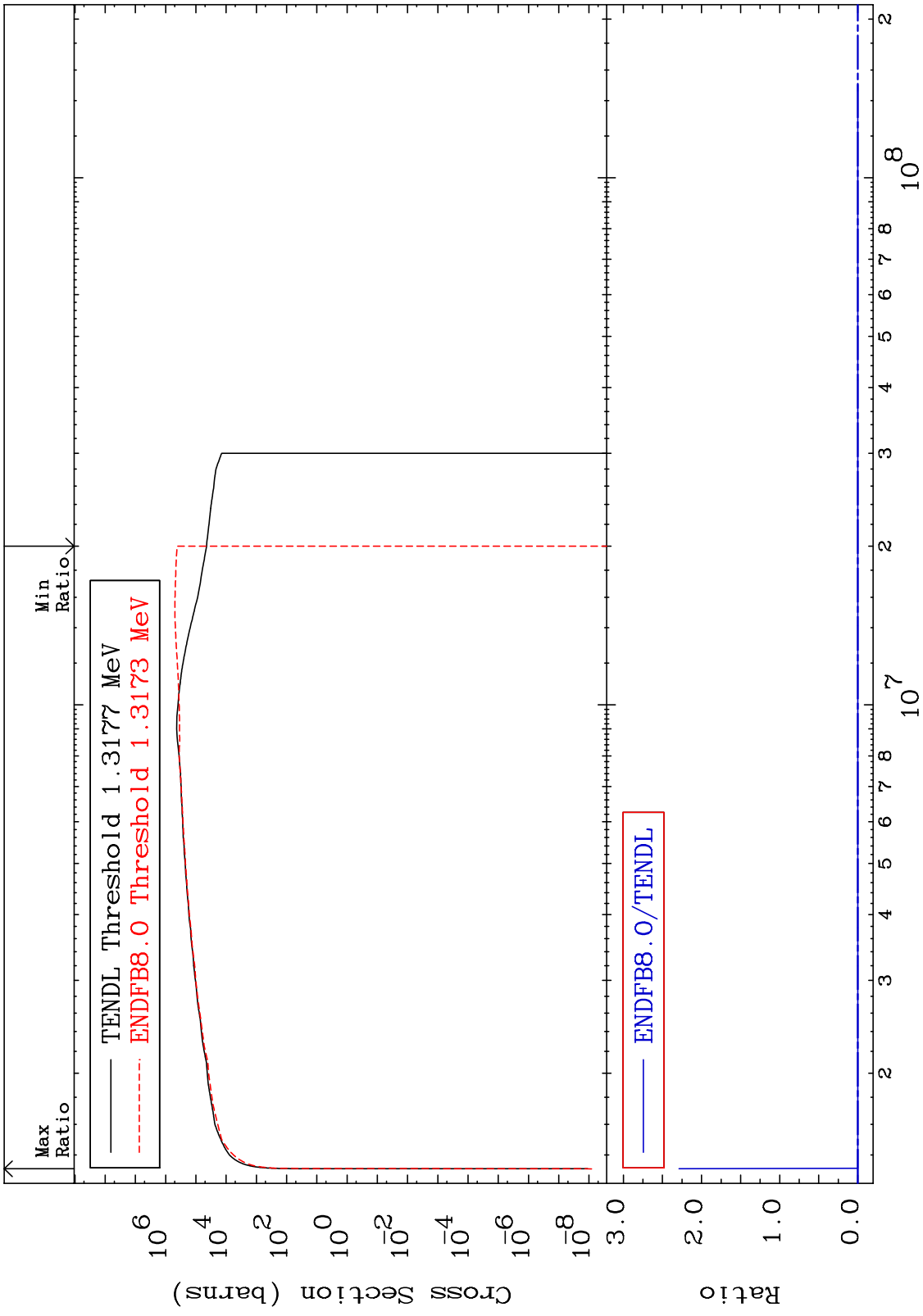




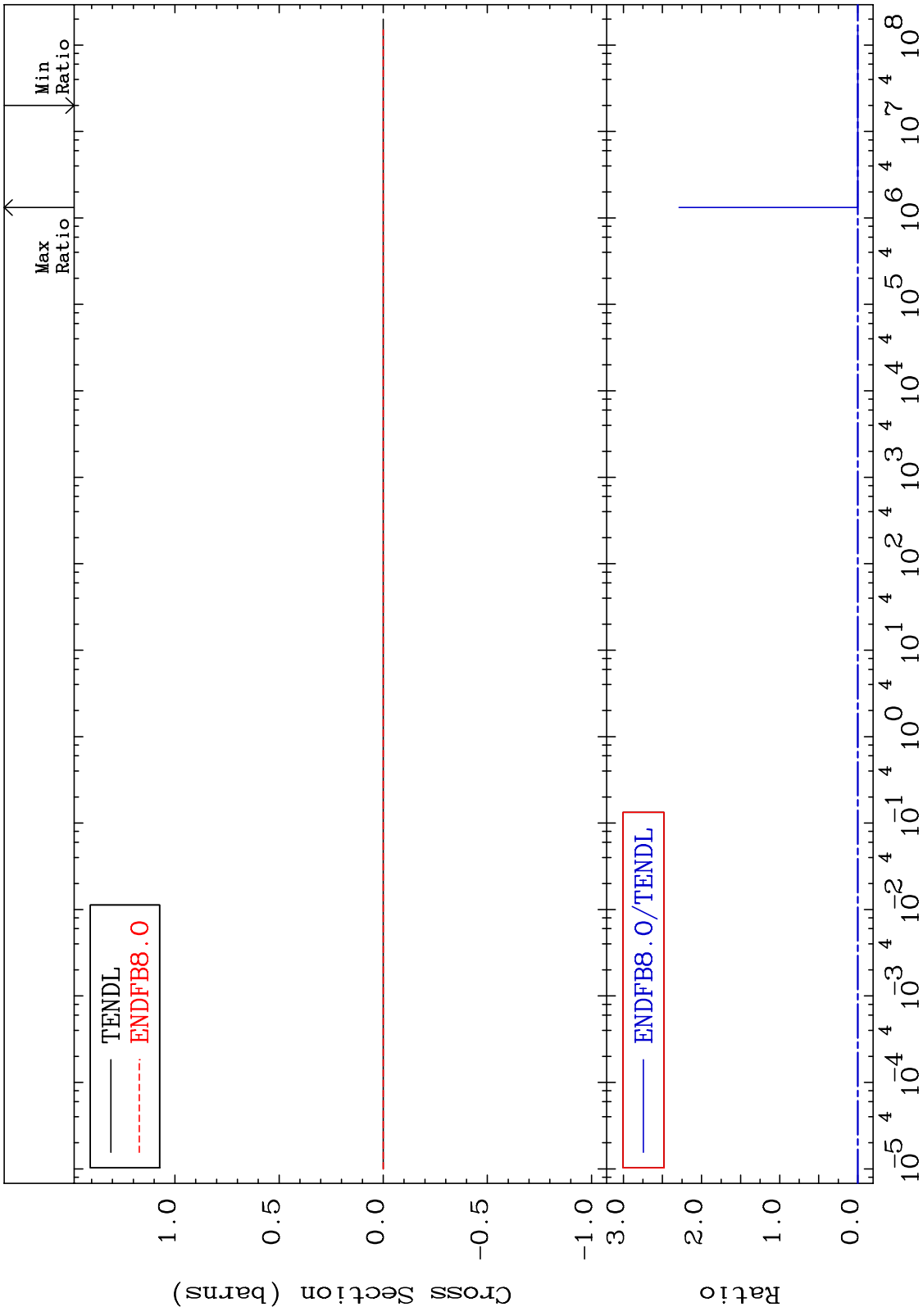
MAT 1428      Kerma non-elastic (all but mt2)      14-Si-29  
 Cross Section      -79.95 To 9999. %



MAT 1428 Kerma inelastic (mt51-91) 14-Si-29  
 -100.0 To 9999. %  
 Cross Section



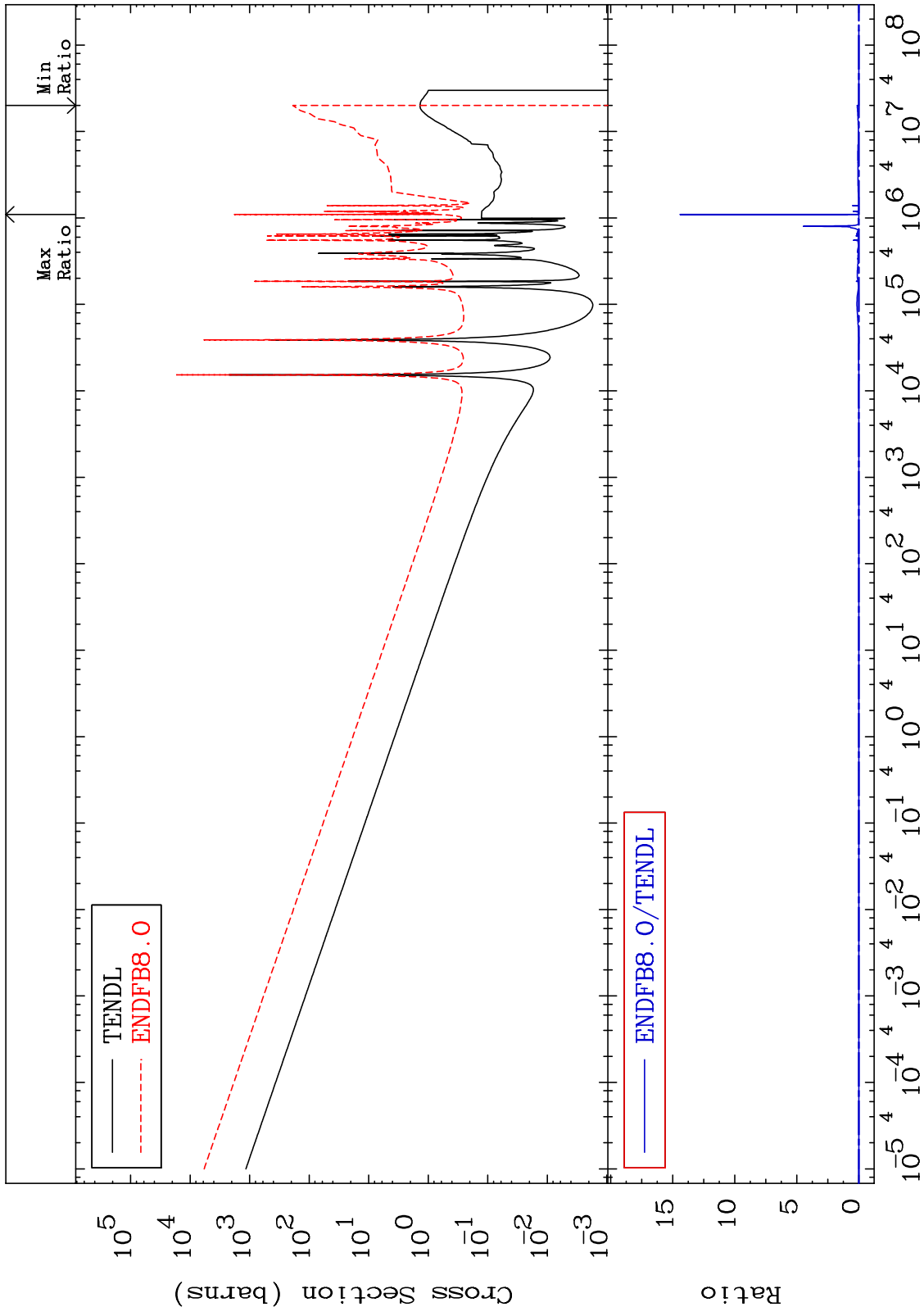
MAT 1428 Kerma fission (mt18 or mt19-20-21-38) 14-Si-29  
 Cross Section -100.0 To 9999. %



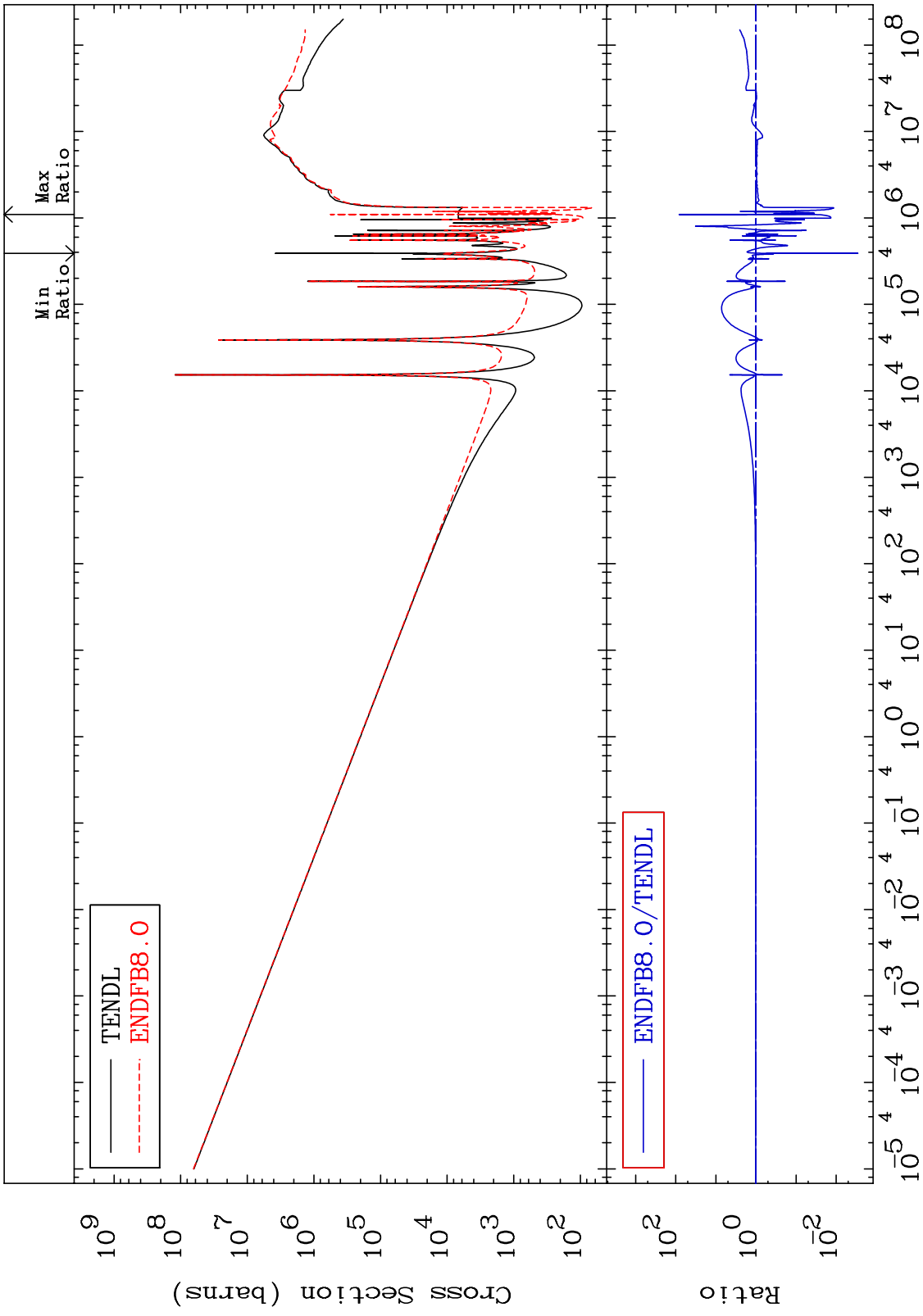
MAT 1428

Kerma capture (mt102)  
Cross Section

14-Si-29  
-100.0 To 9999. %

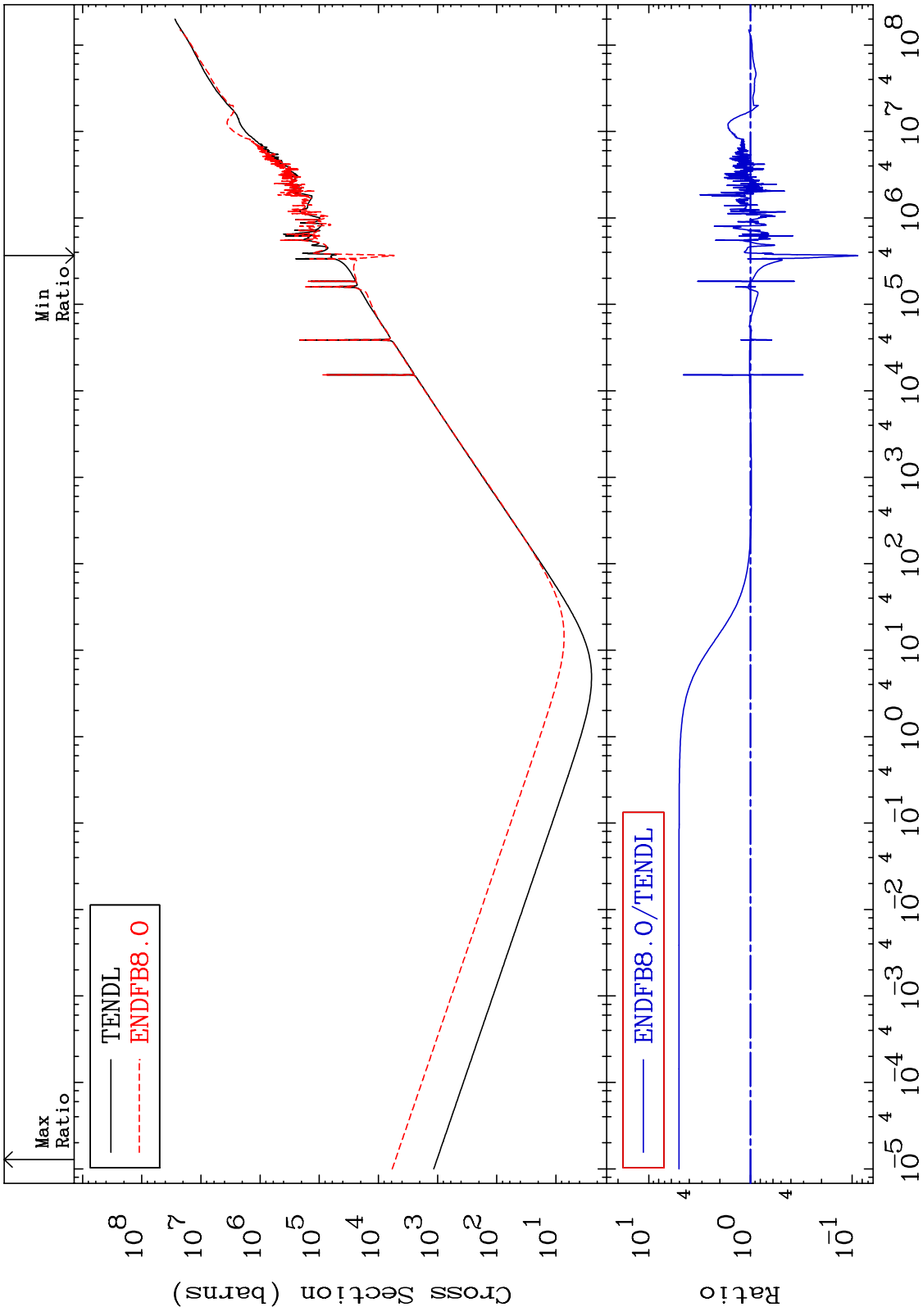


MAT 1428 14-Si-29  
Total photon (eV-barns)  
Cross Section -99.71 To 8177. %

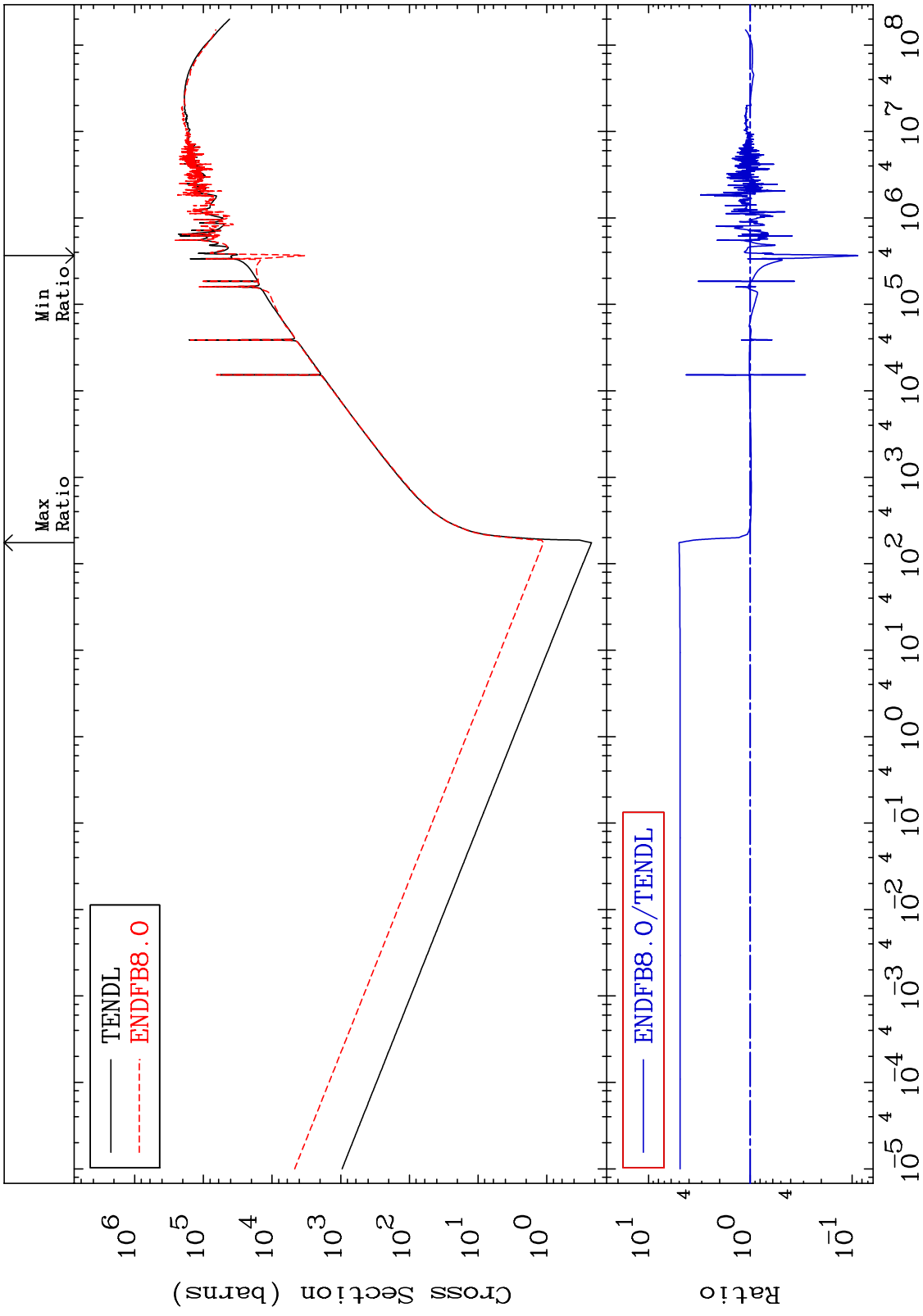


36 14-Si-29

MAT 1428      Total kinematic kerma (high limit)      14-Si-29  
 Cross Section      -91.19 To 403.3 %



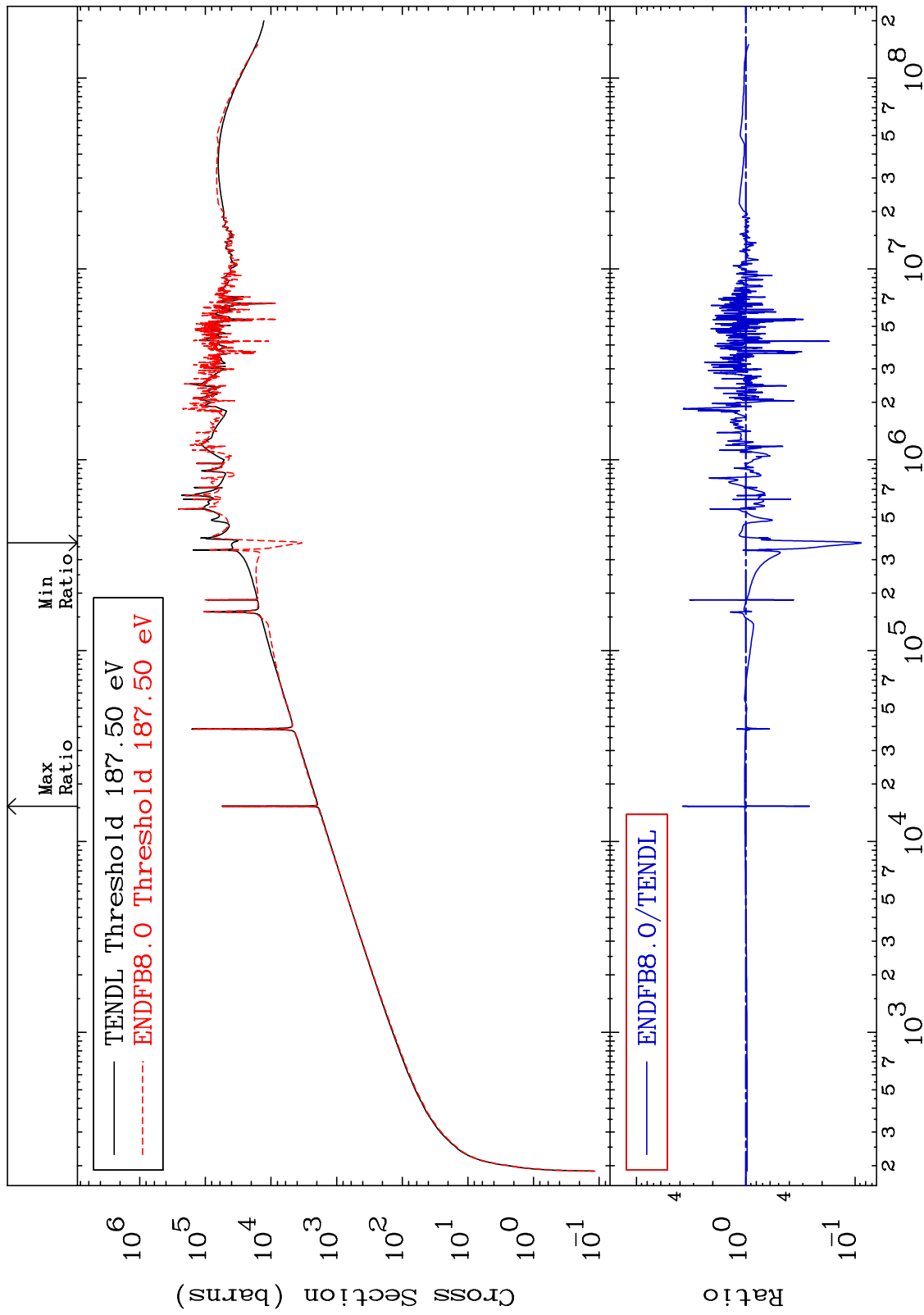
MAT 1428 14-Si-29  
 Dpa total (eV-barns) -91.24 To 401.8 %  
 Cross Section



MAT 1428

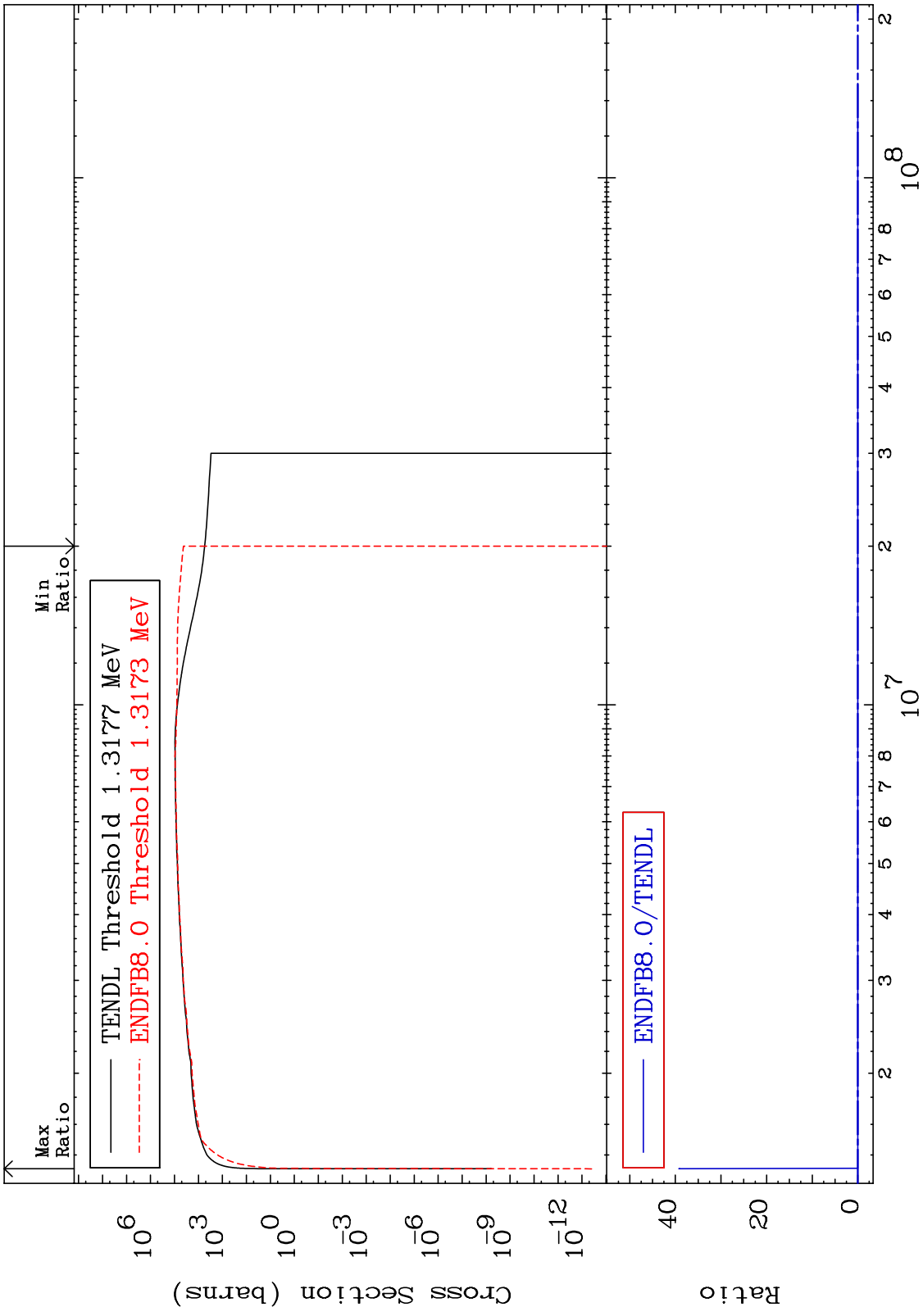
Dpa elastic (mt2)  
Cross Section

14-Si-29  
-91.24 To 279.8 %



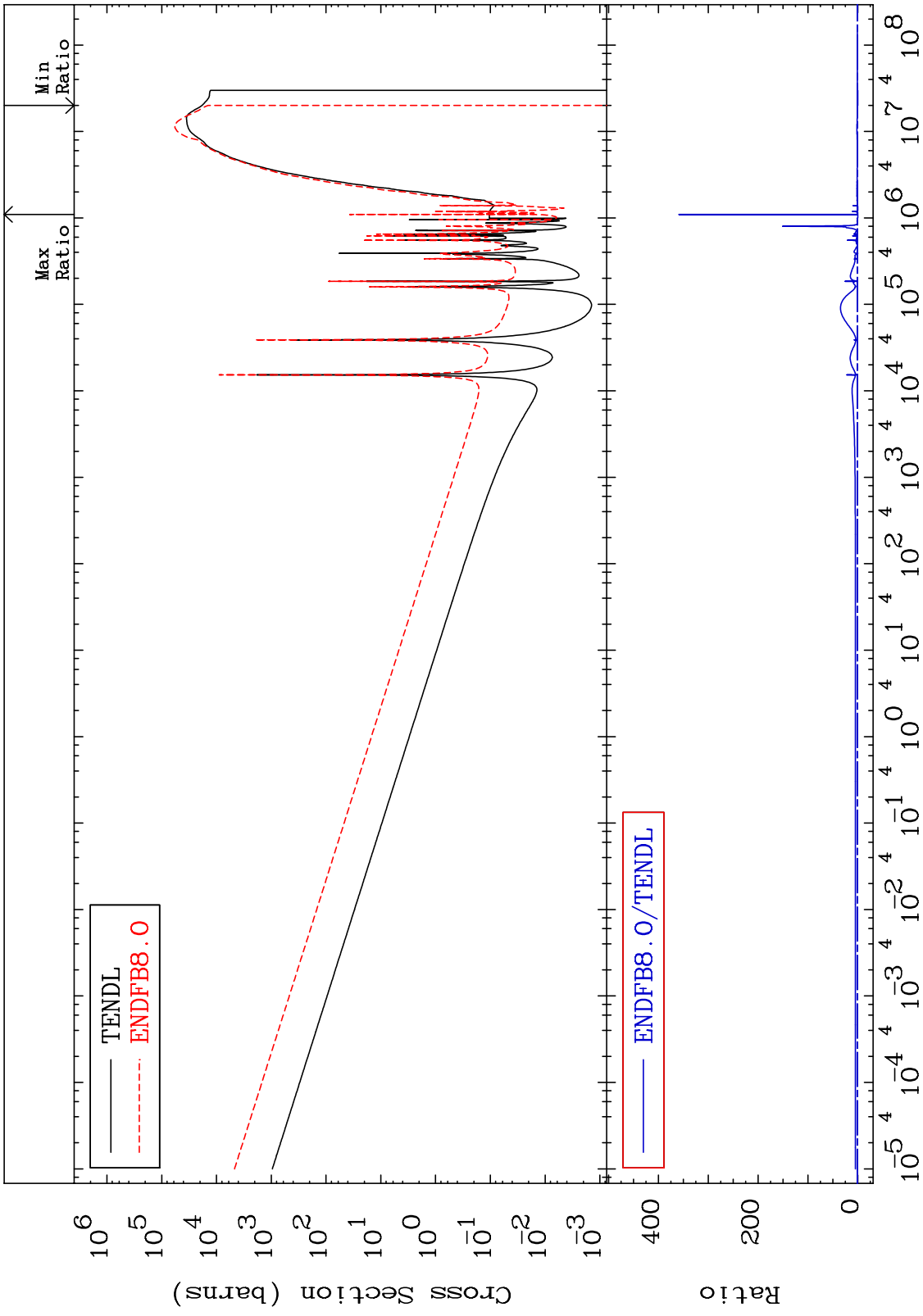


MAT 1428      Dpa inelastic (mt51-91)      14-Si-29  
 Cross Section      -100.0 To 9999. %



40      Incident Energy (eV)      14-Si-29

MAT 1428 Dpa disappearance (mt102 -120) Cross Section 14-Si-29  
 -100.0 To 9999. %



41 14-Si-29