

Program Complot  
(Version 2021-1)

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

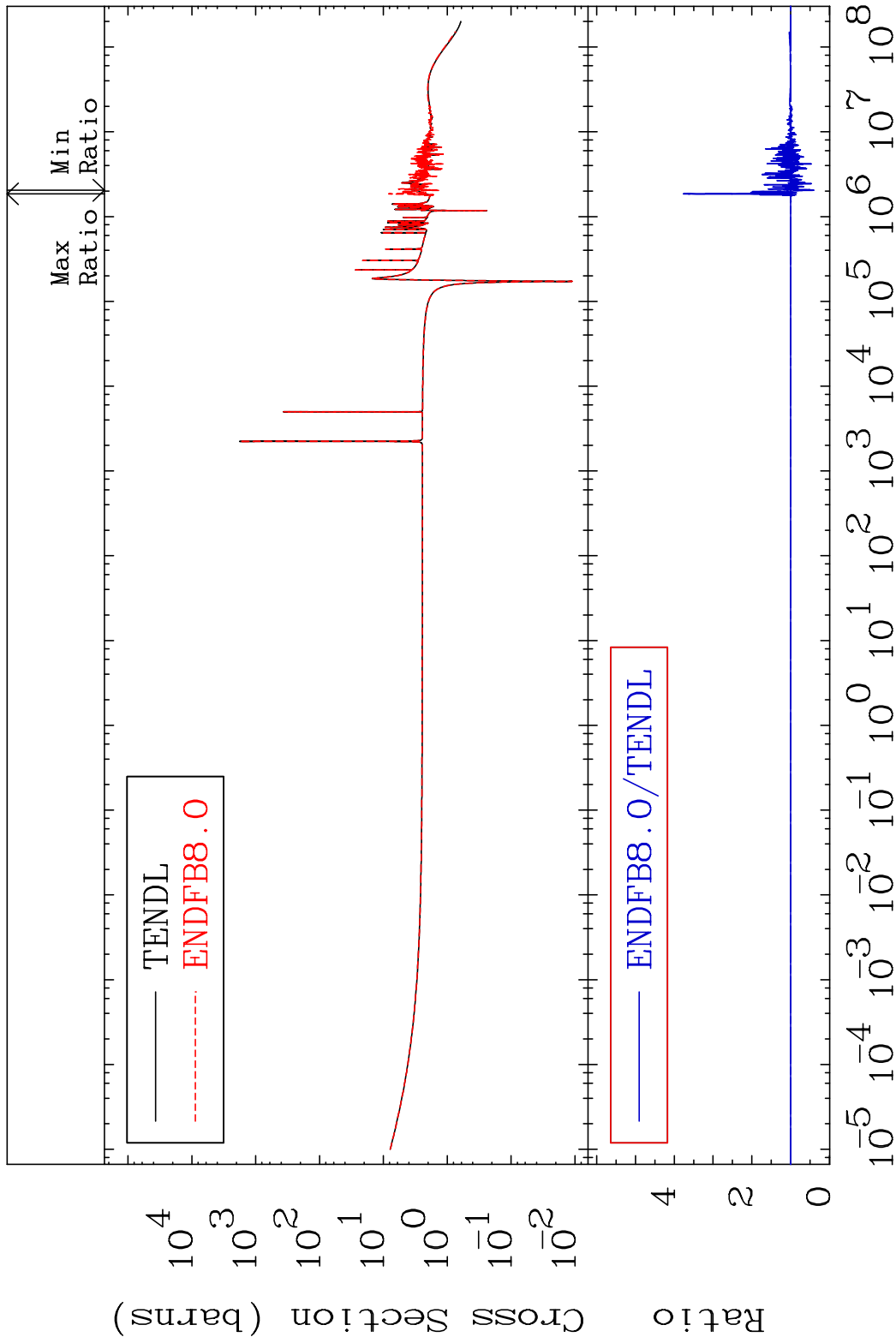
MAT 1431

Total

14-Si-30

Cross Section

-59.68 To 276.3 %



1

Incident Energy (eV)

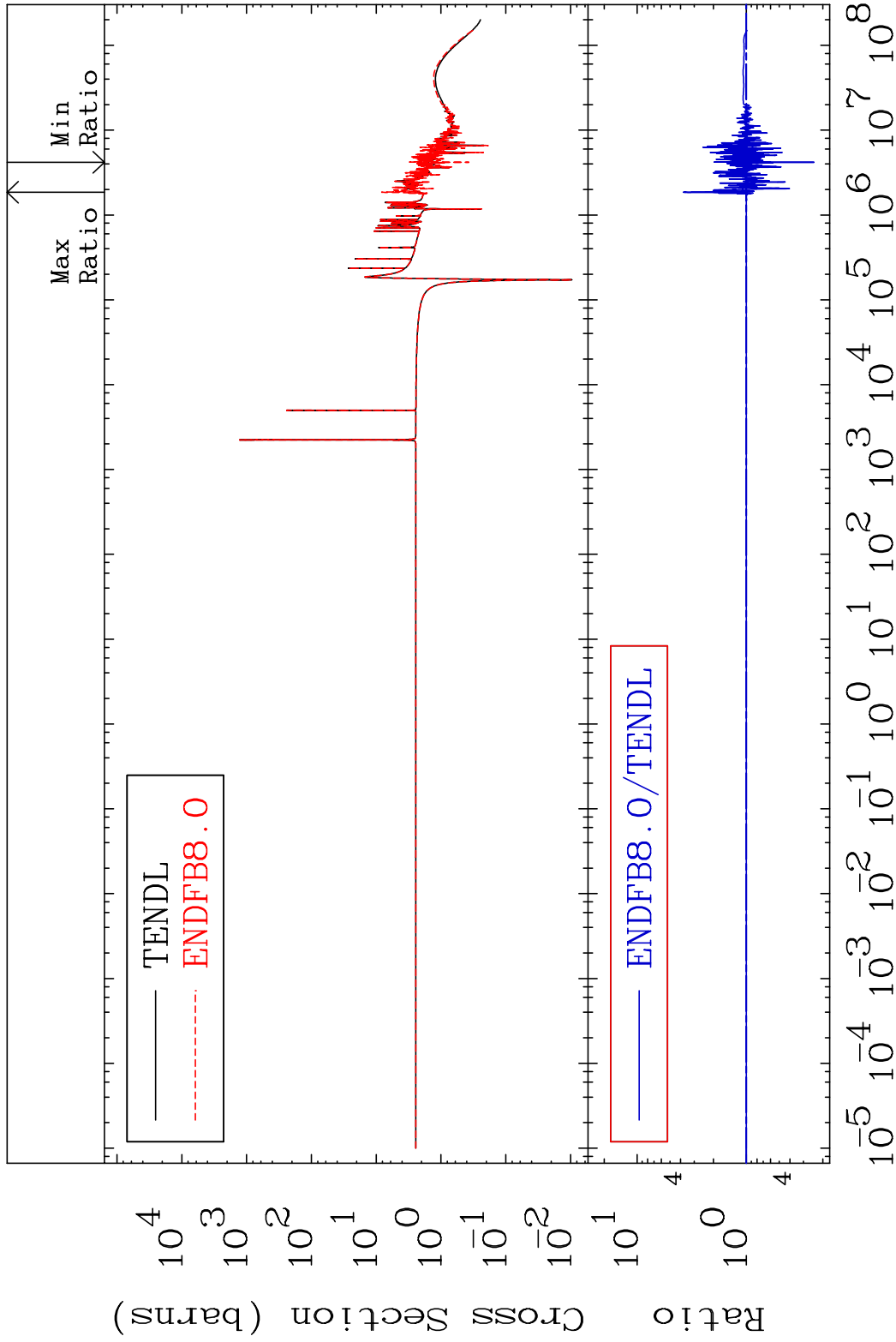
14-Si-30

MAT 1431

Elastic

<sup>14</sup>Si-30

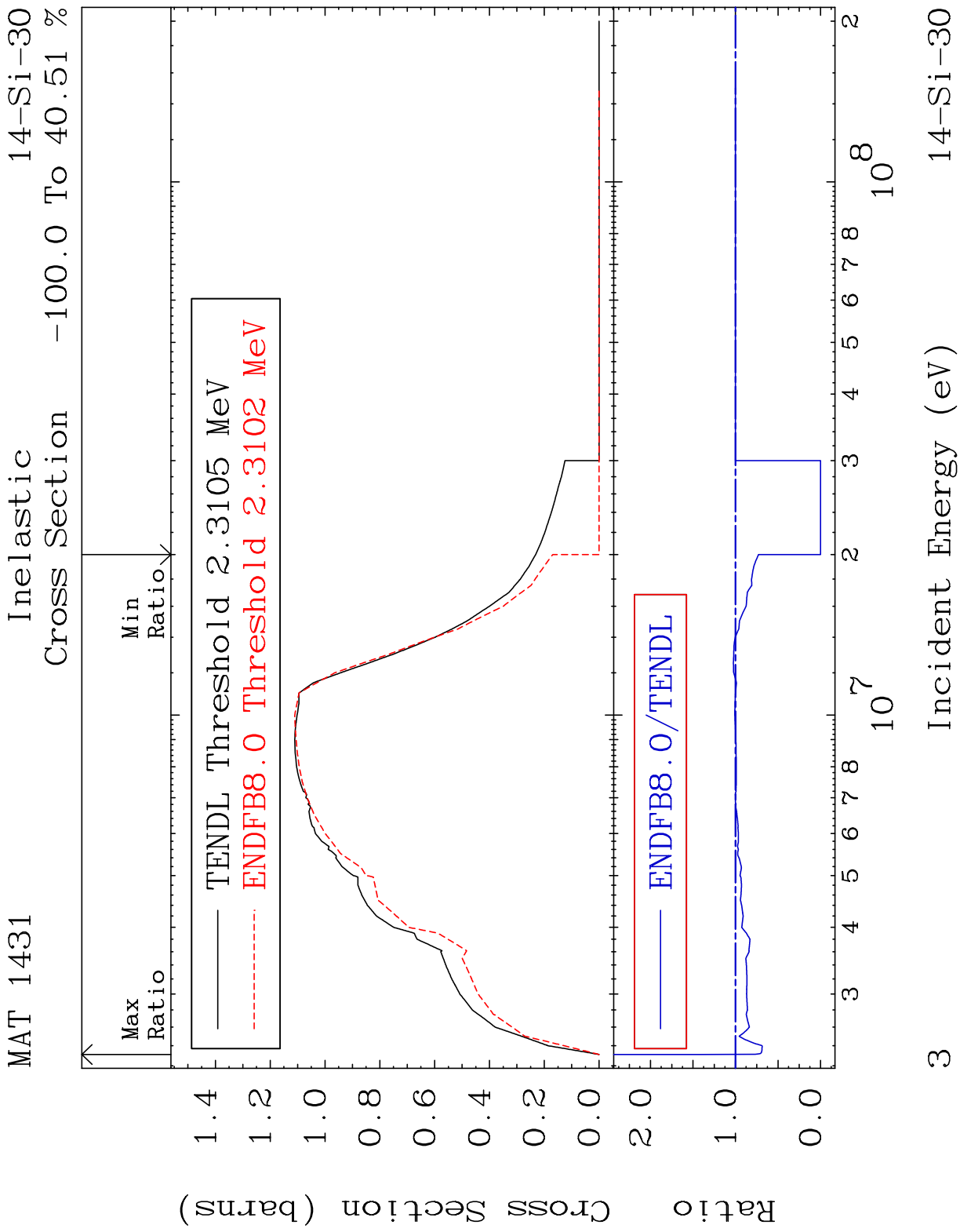
Cross Section -75.88 To 276.3 %

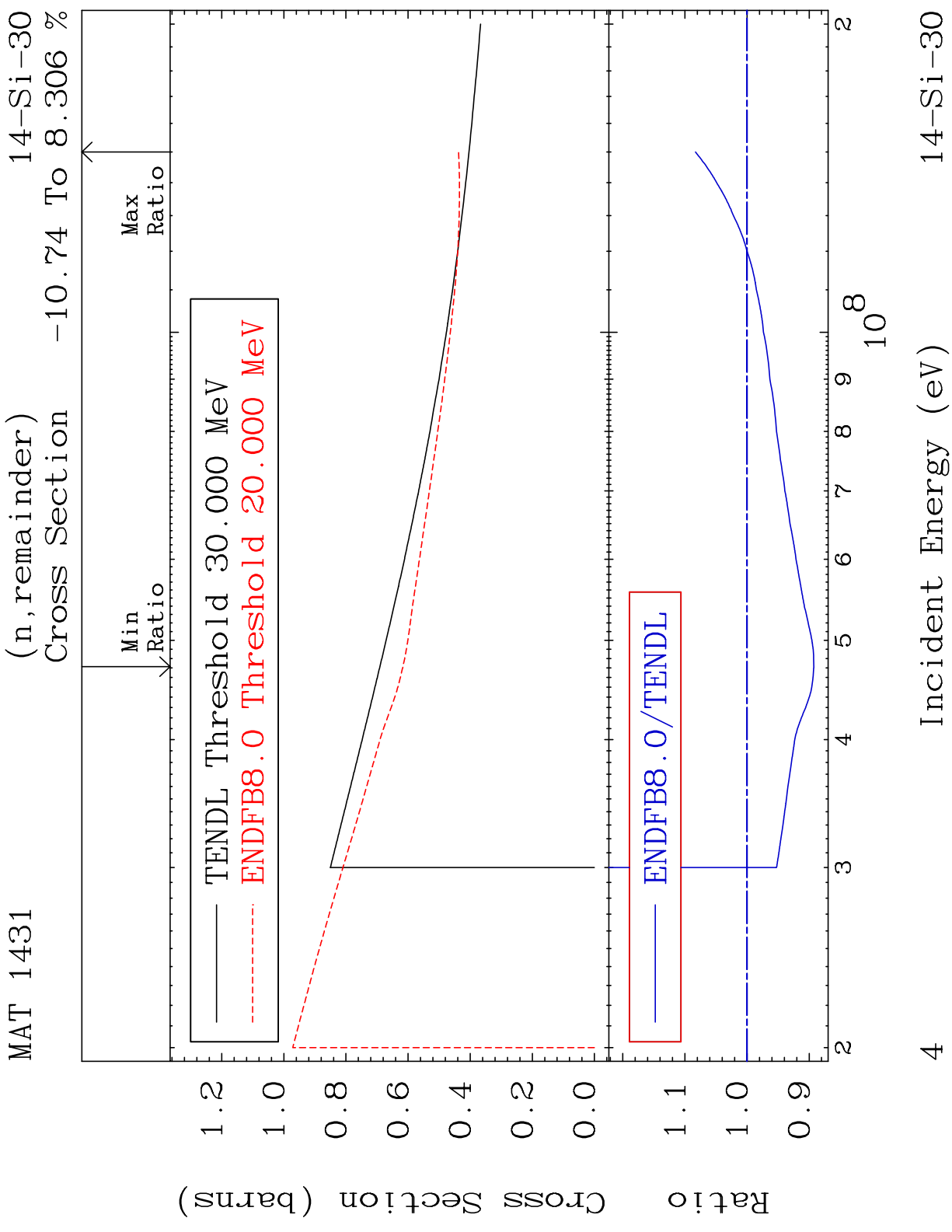


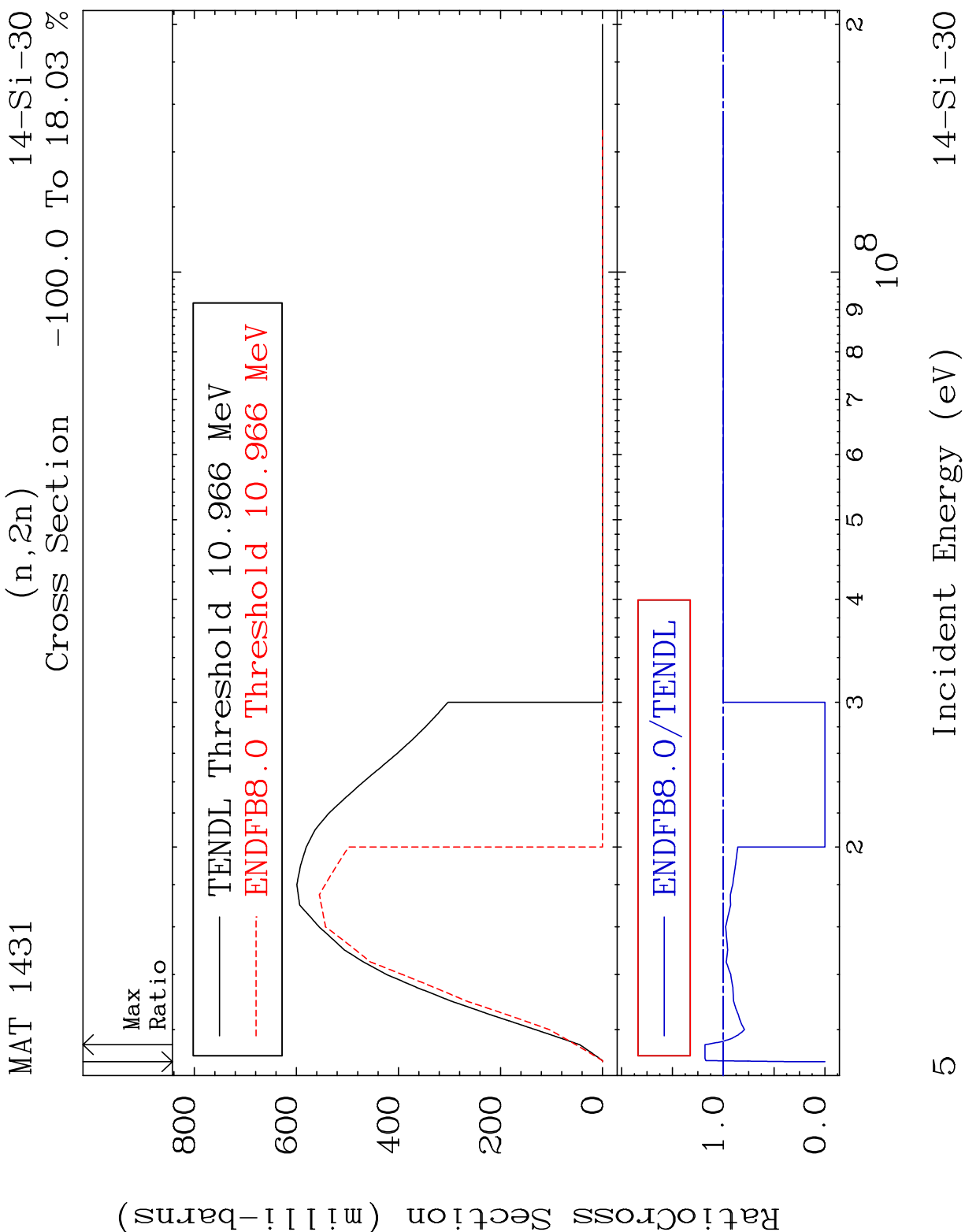
2

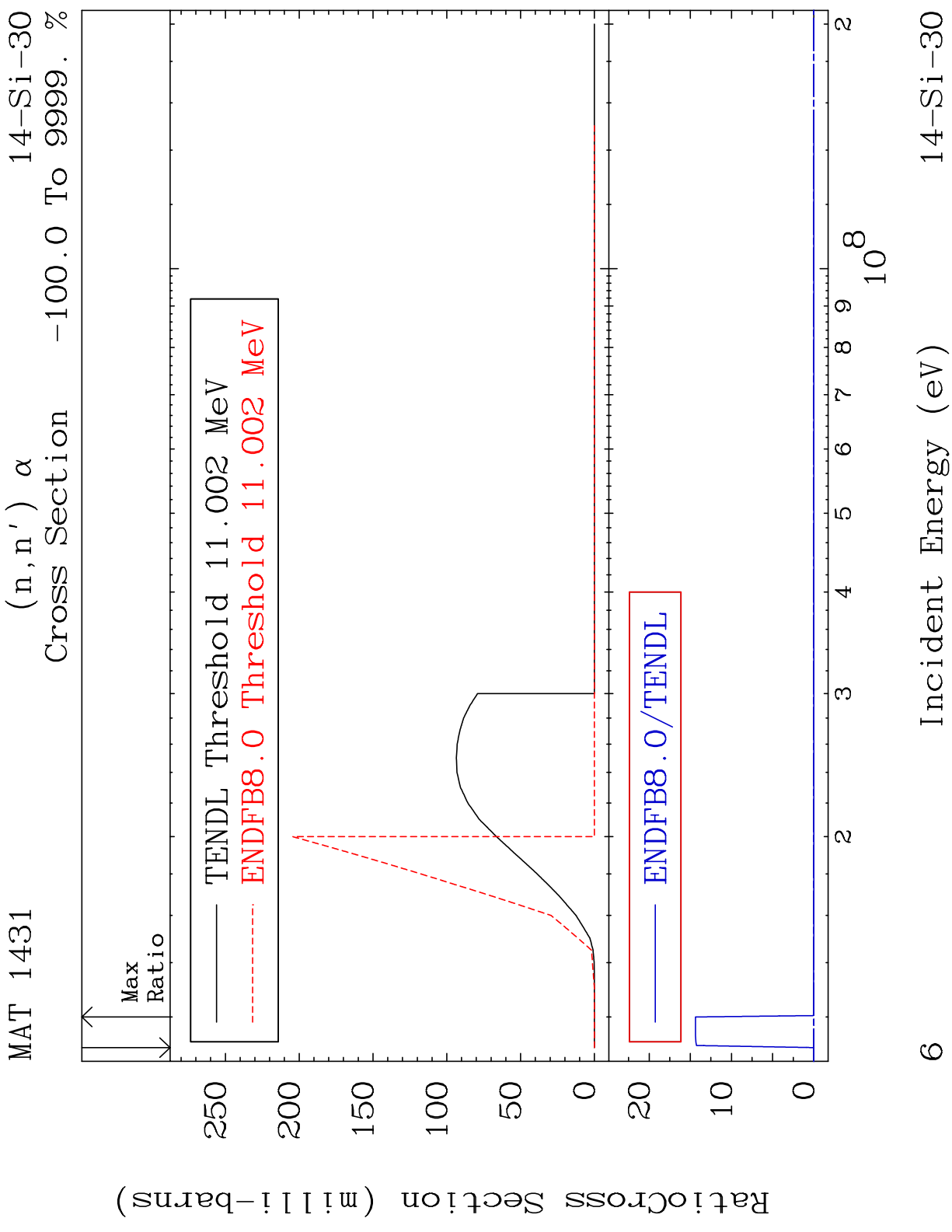
Incident Energy (eV)

<sup>14</sup>Si-30

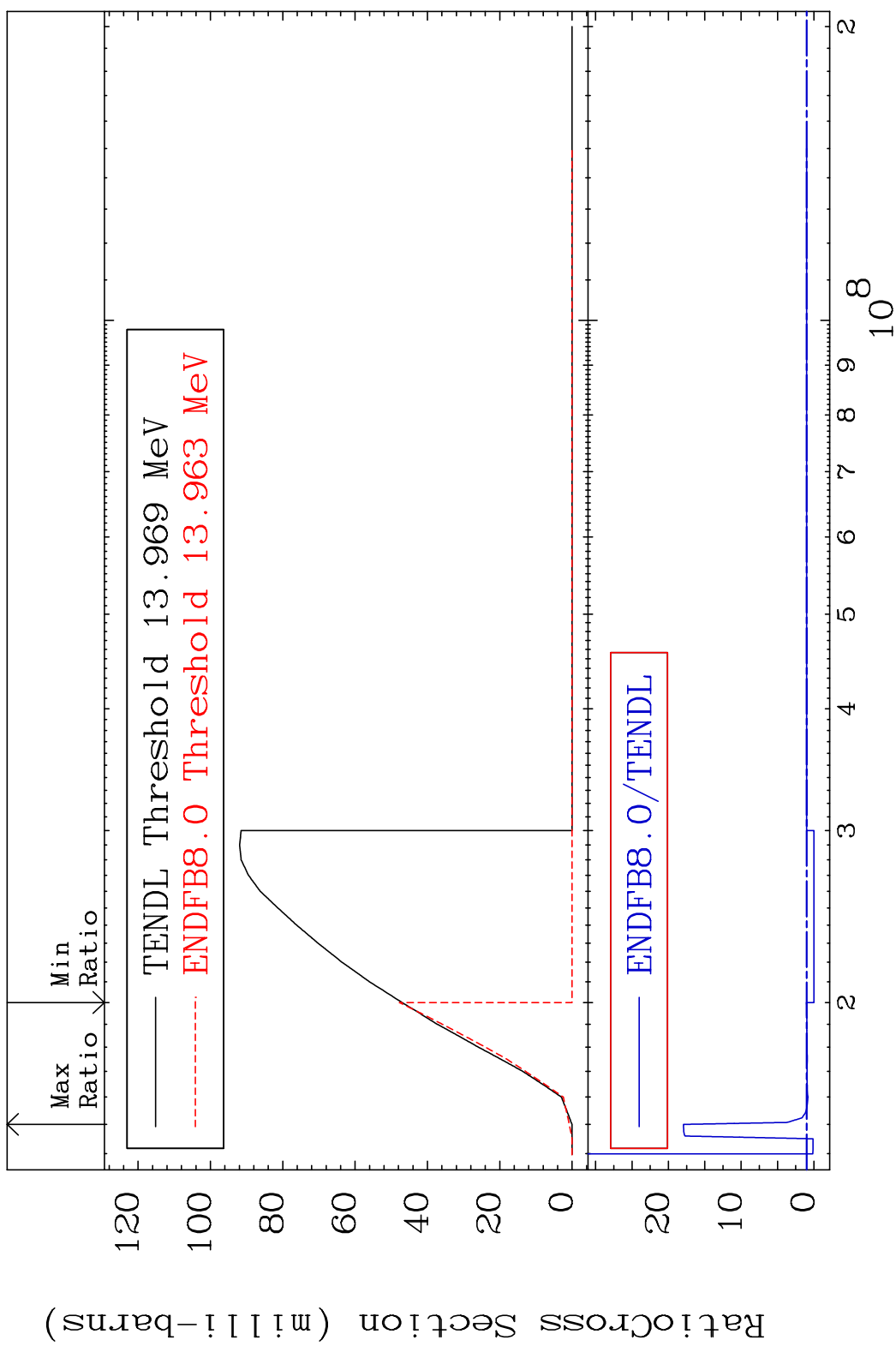






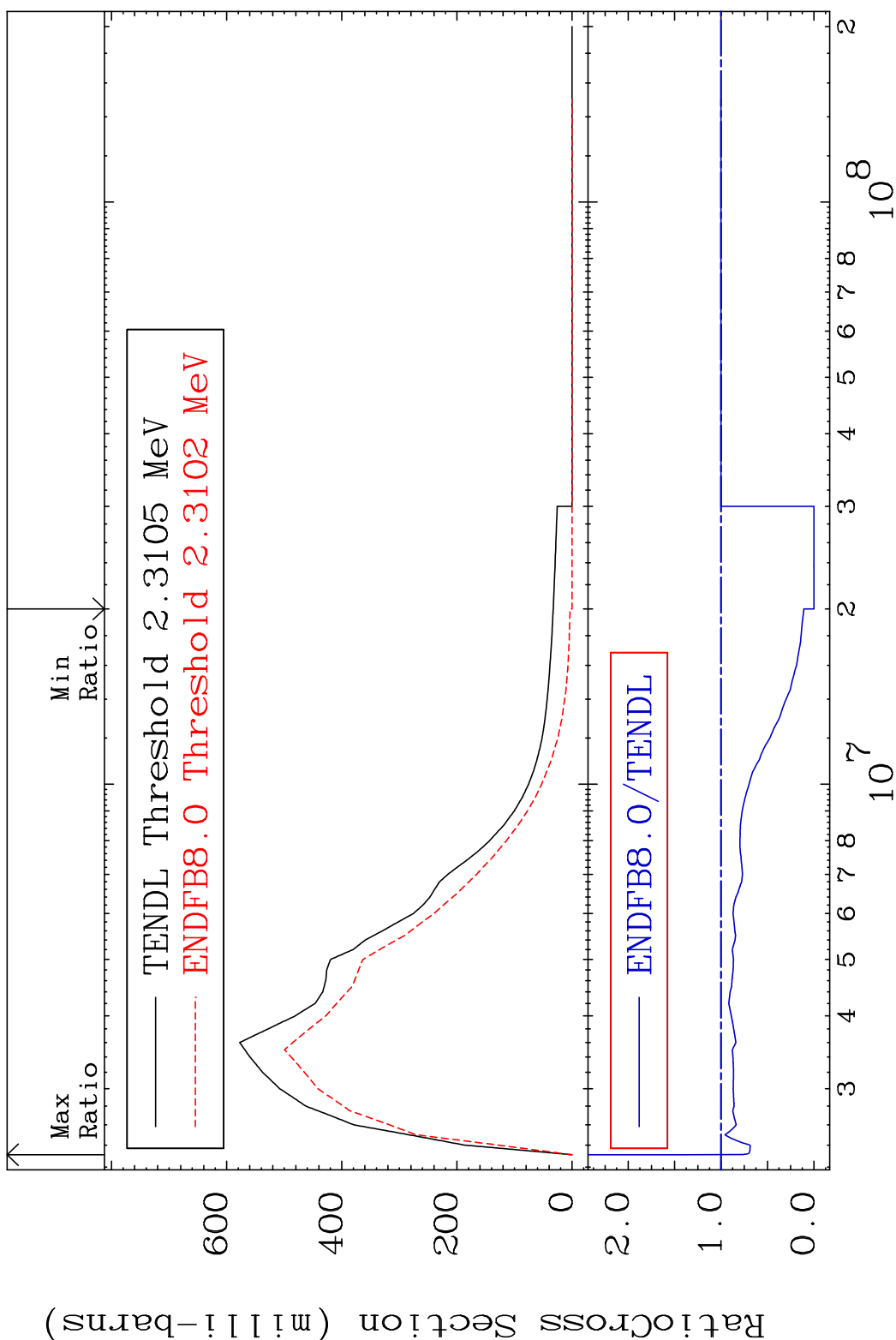


MAT 1431 (n, n') p 14-Si-30  
 Cross Section -100.0 To 1693. %



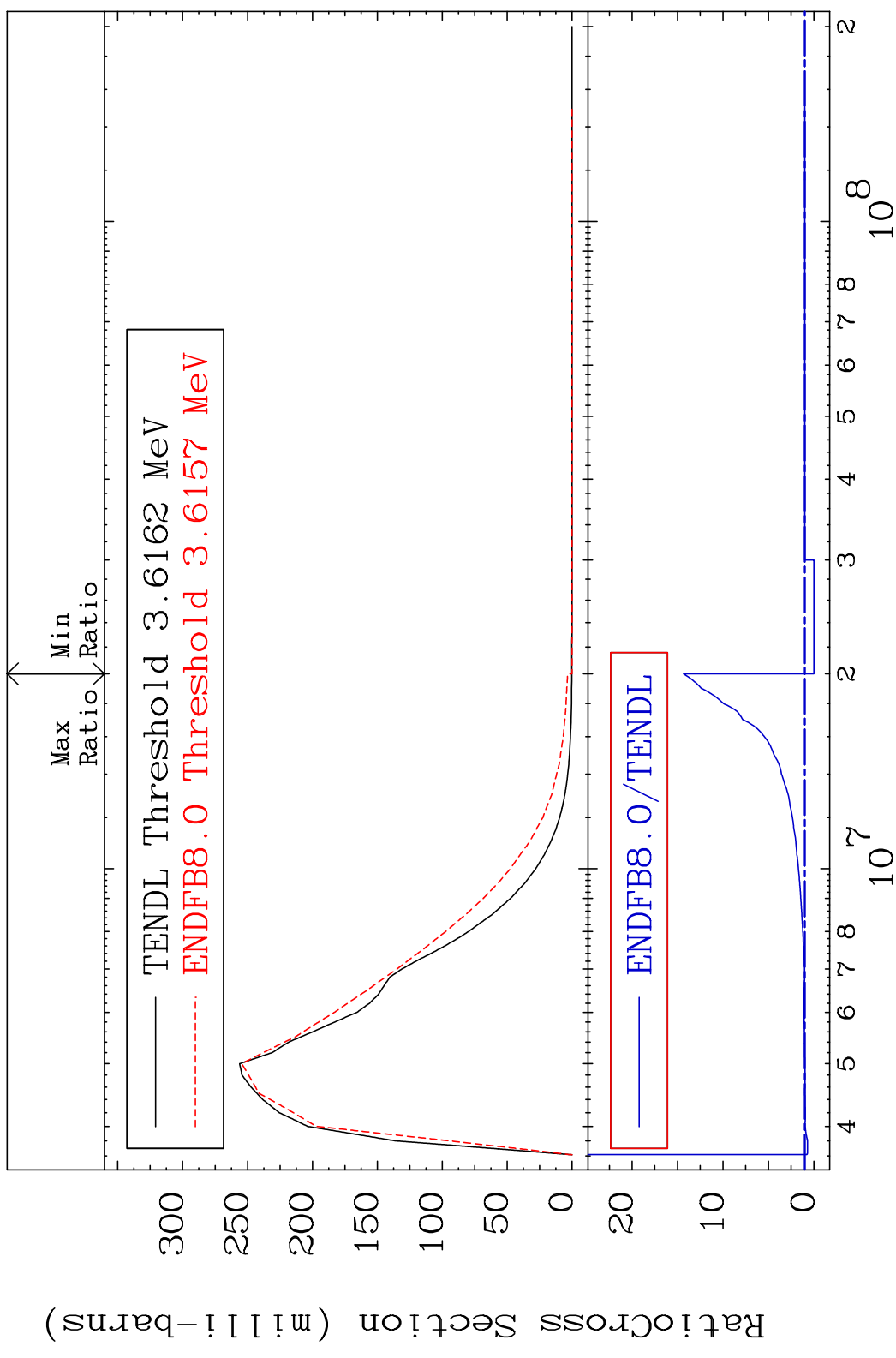


MAT 1431 MT= 51 (n, n') Level 14-Si-30  
 Cross Section -100.0 To 40.51 %

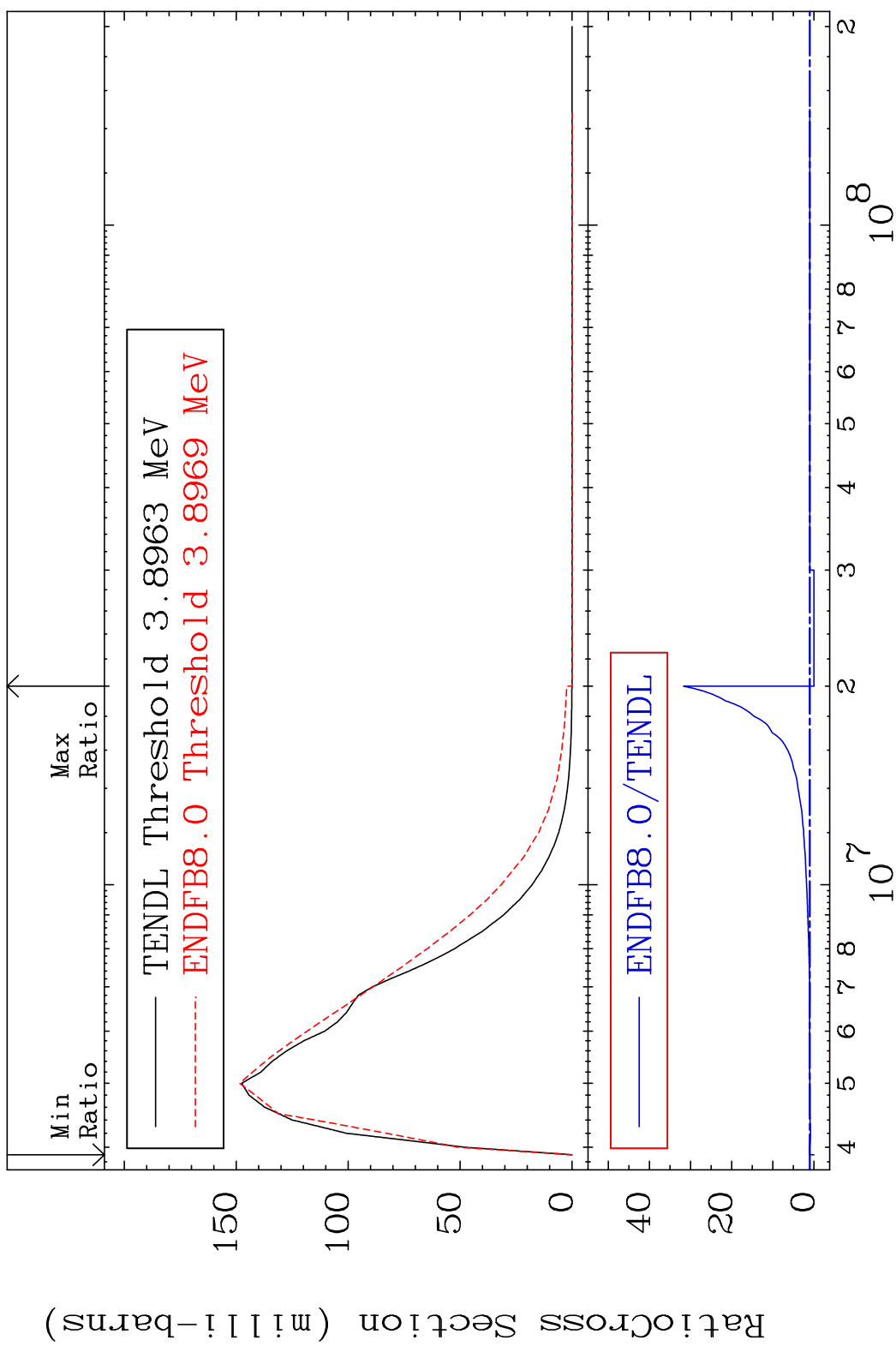


8 Incident Energy (eV) 14-Si-30

MAT 1431 MT= 52 (n, n') Level 14-Si-30  
 Cross Section -100.0 To 1335. %

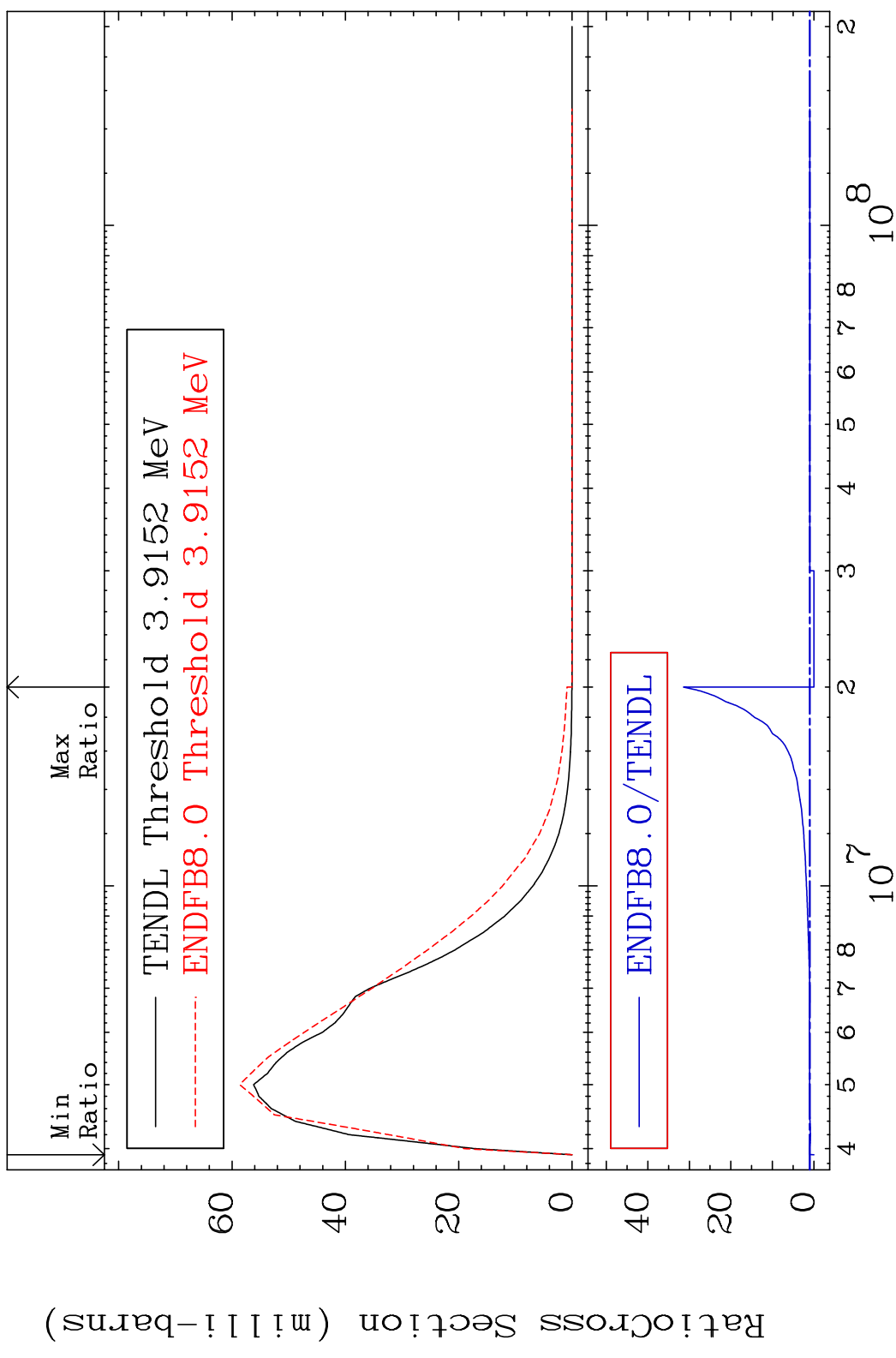


MAT 1431 MT= 53 (n, n') Level 14-Si-30  
 Cross Section -100.0 To 3073. %



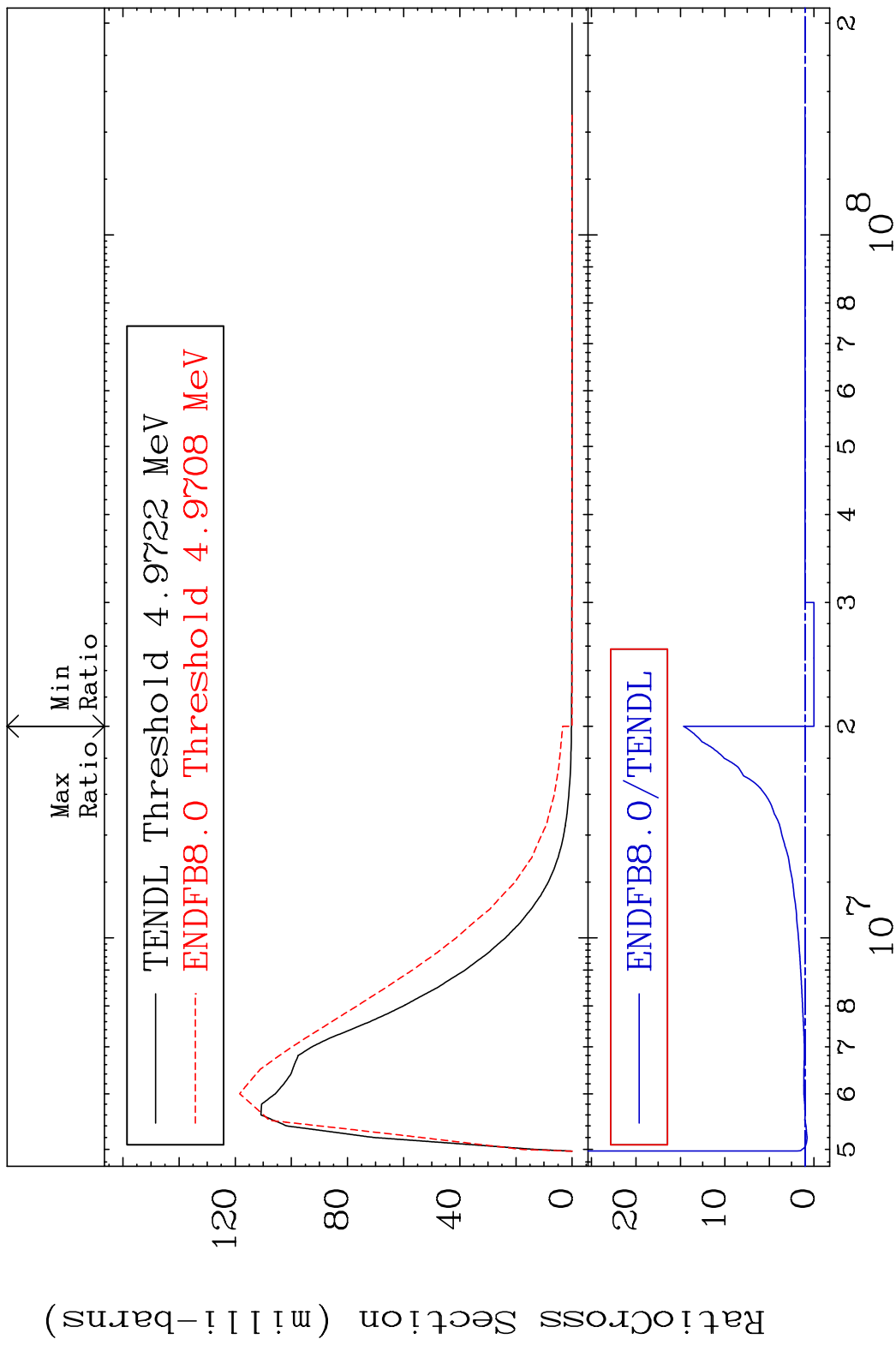
10 Incident Energy (eV) 14-Si-30

MAT 1431 MT= 54 (n, n') Level 14-Si-30  
 Cross Section -100.0 To 3041. %



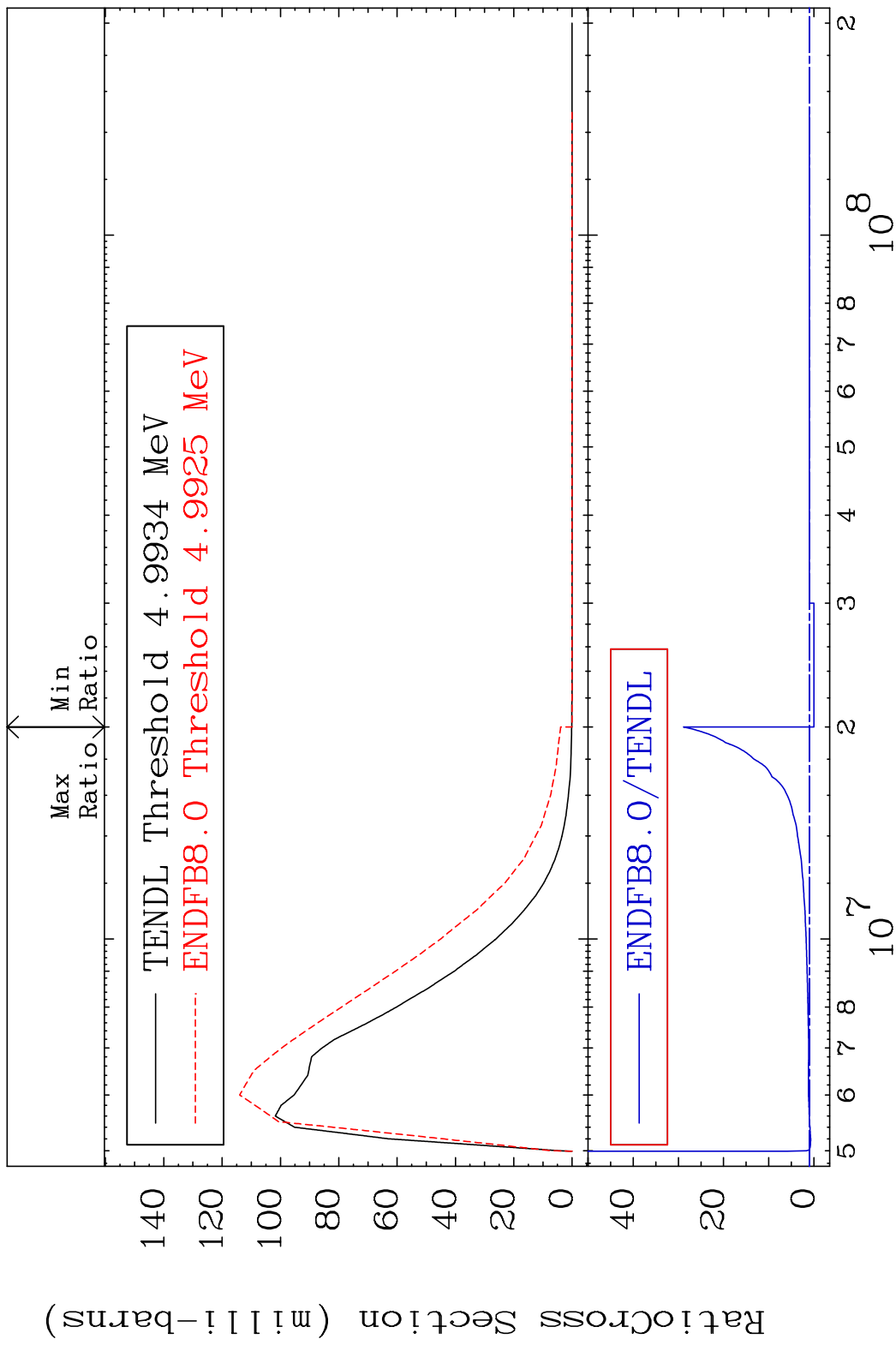
11 Incident Energy (eV) 14-Si-30

MAT 1431 MT= 55 (n, n') Level 14-Si-30  
 Cross Section -100.0 To 1366. %



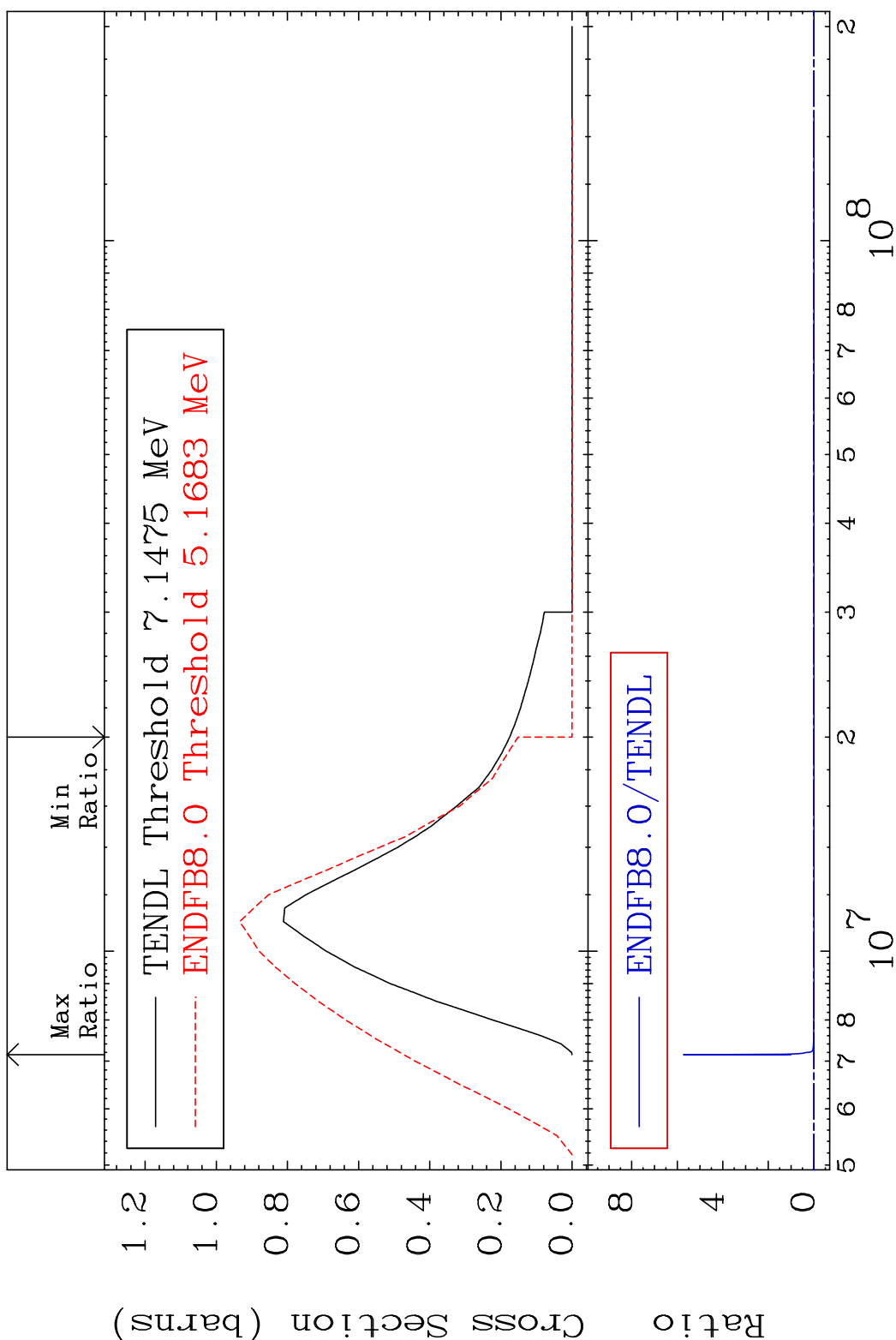
12 Incident Energy (eV) 14-Si-30

MAT 1431 MT= 56 (n, n') Level 14-Si-30  
 Cross Section -100.0 To 2788. %

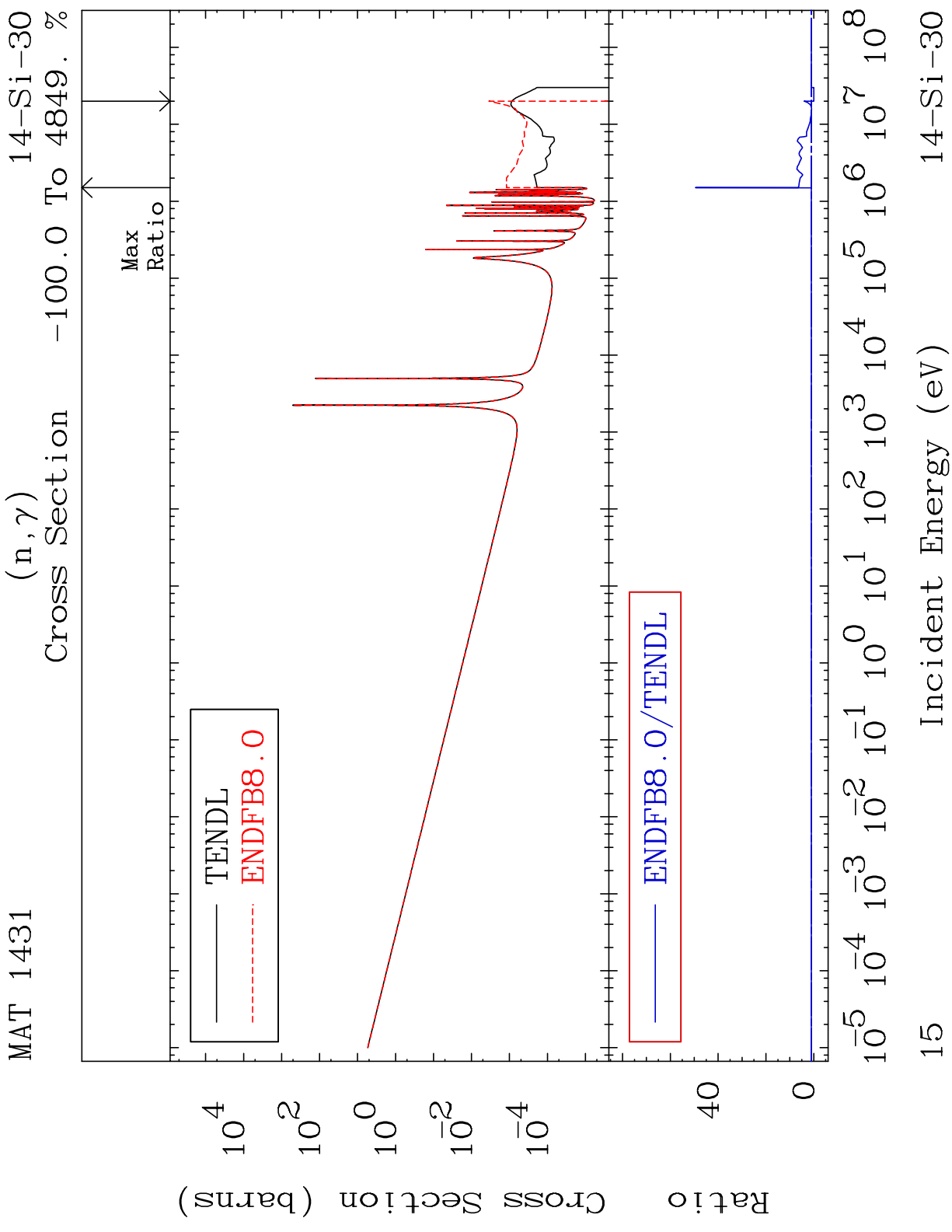


13 Incident Energy (eV) 14-Si-30

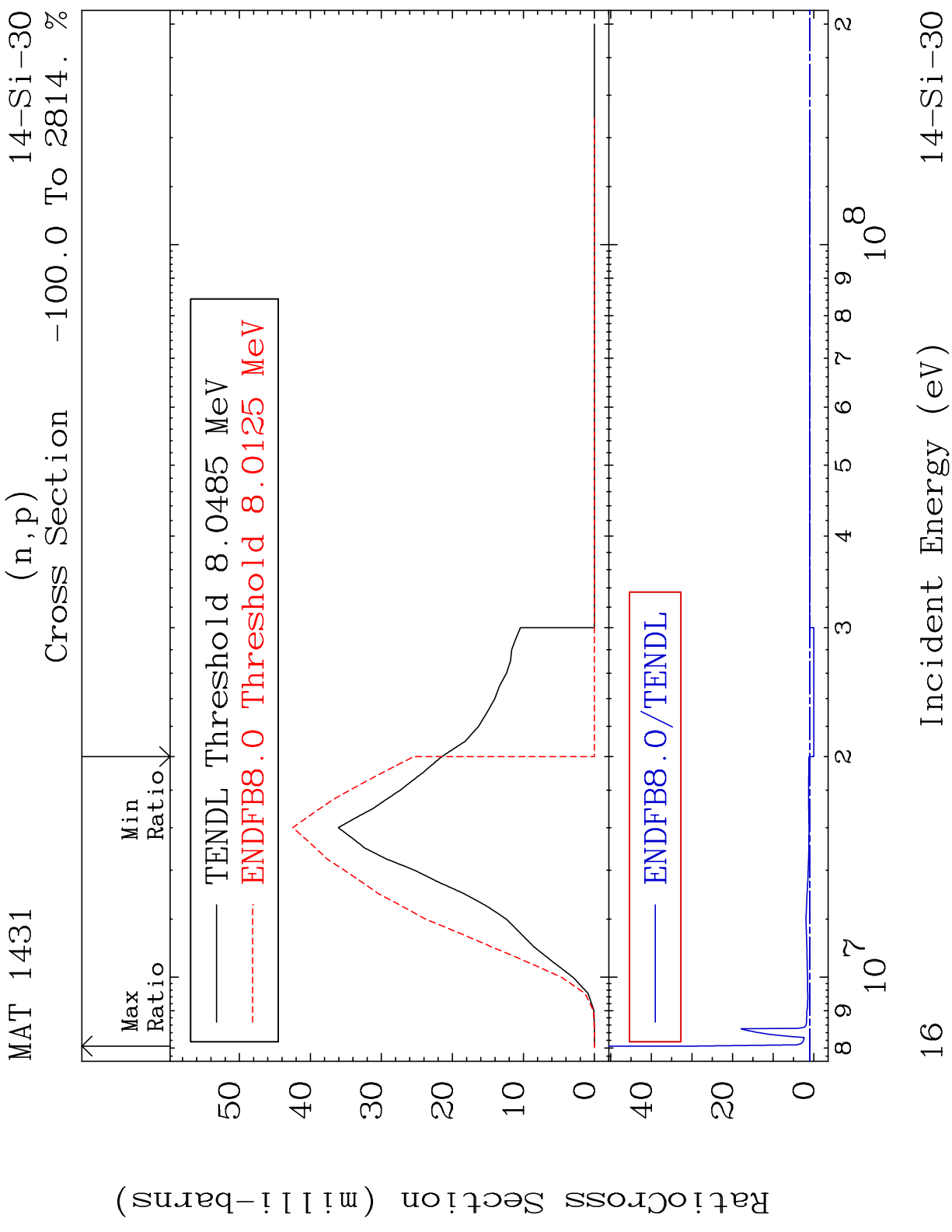
MAT 1431 (n,n') Continuum 14-Si-30  
 Cross Section -100.0 To 9999. %

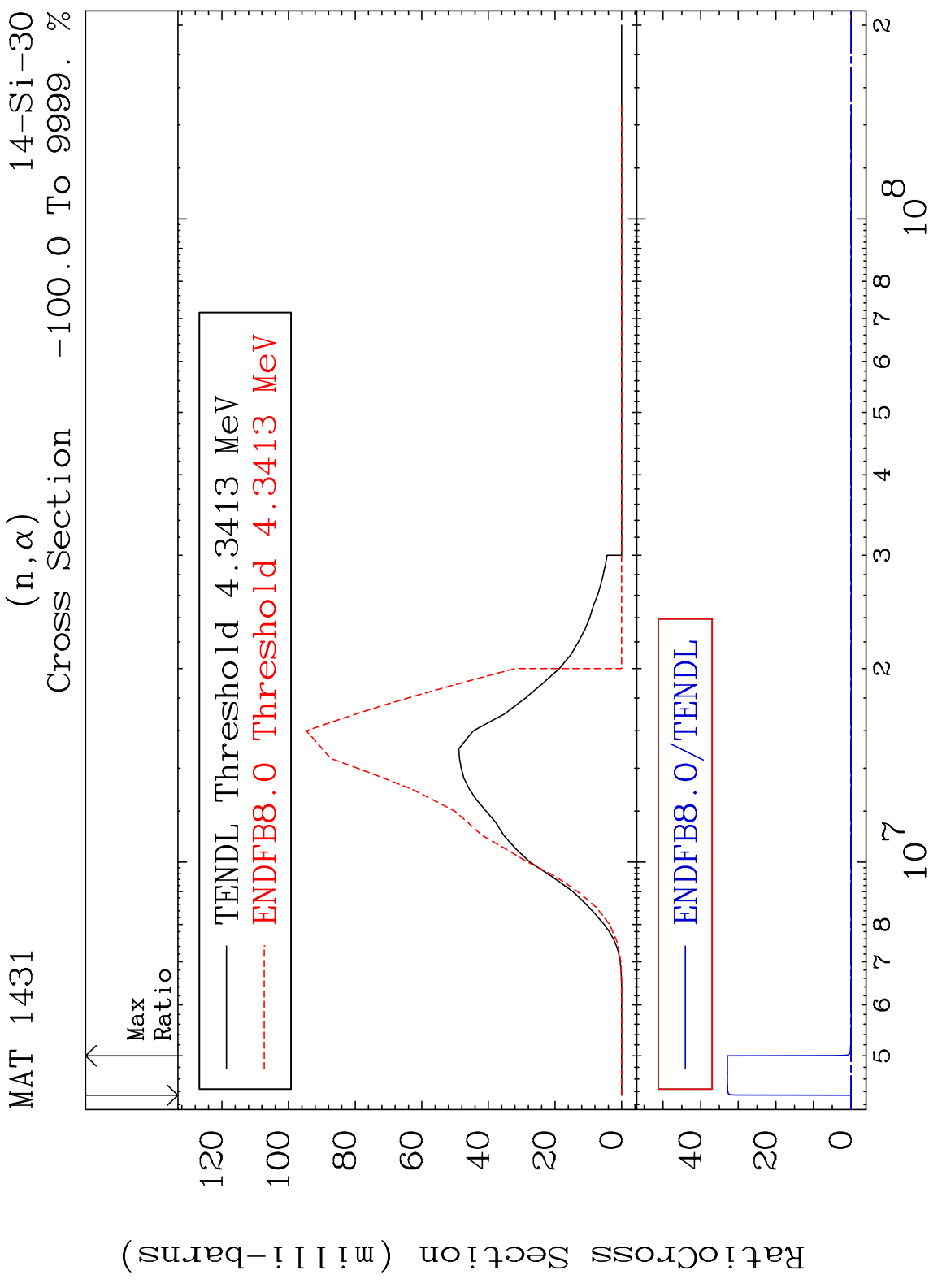


14 14-Si-30

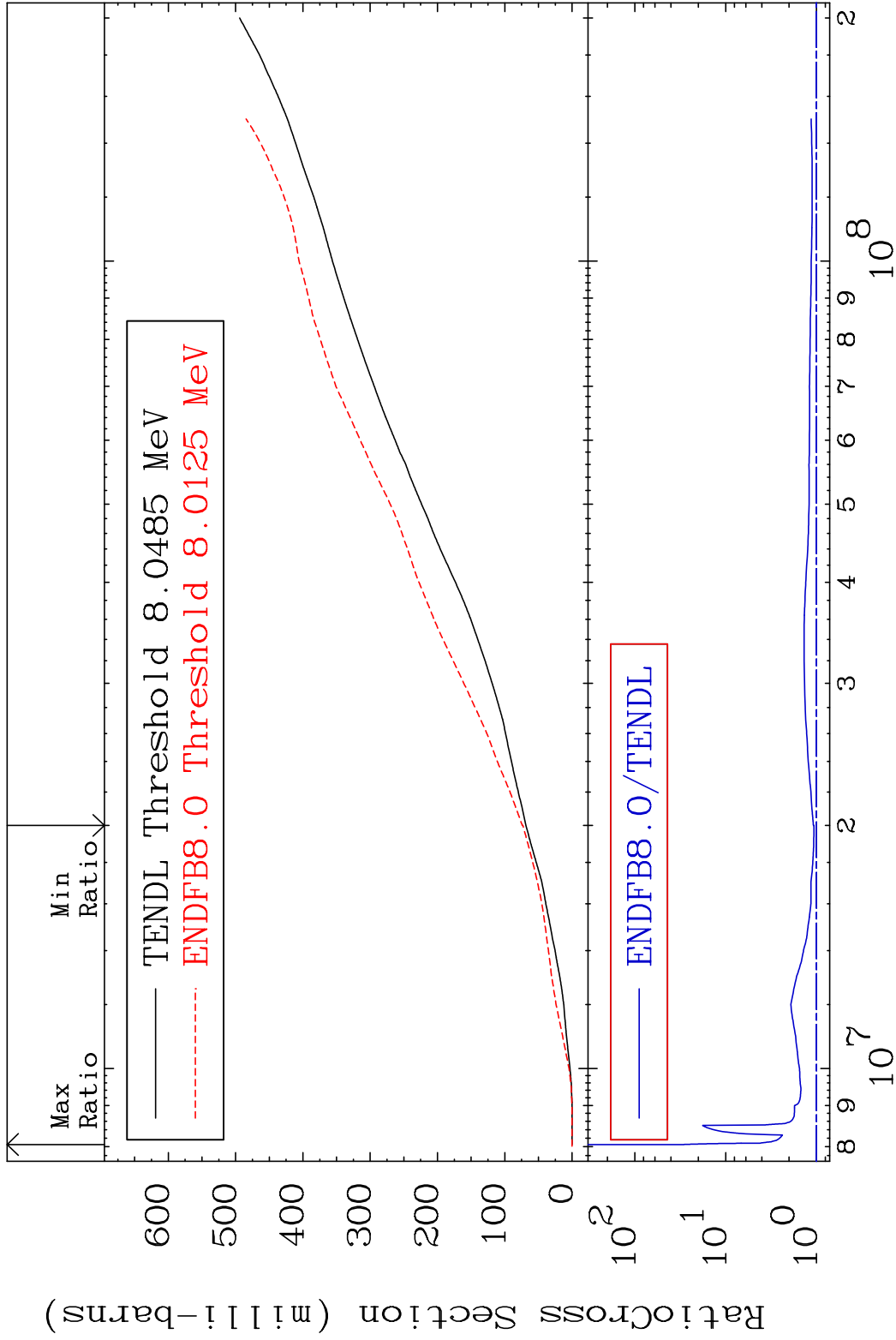




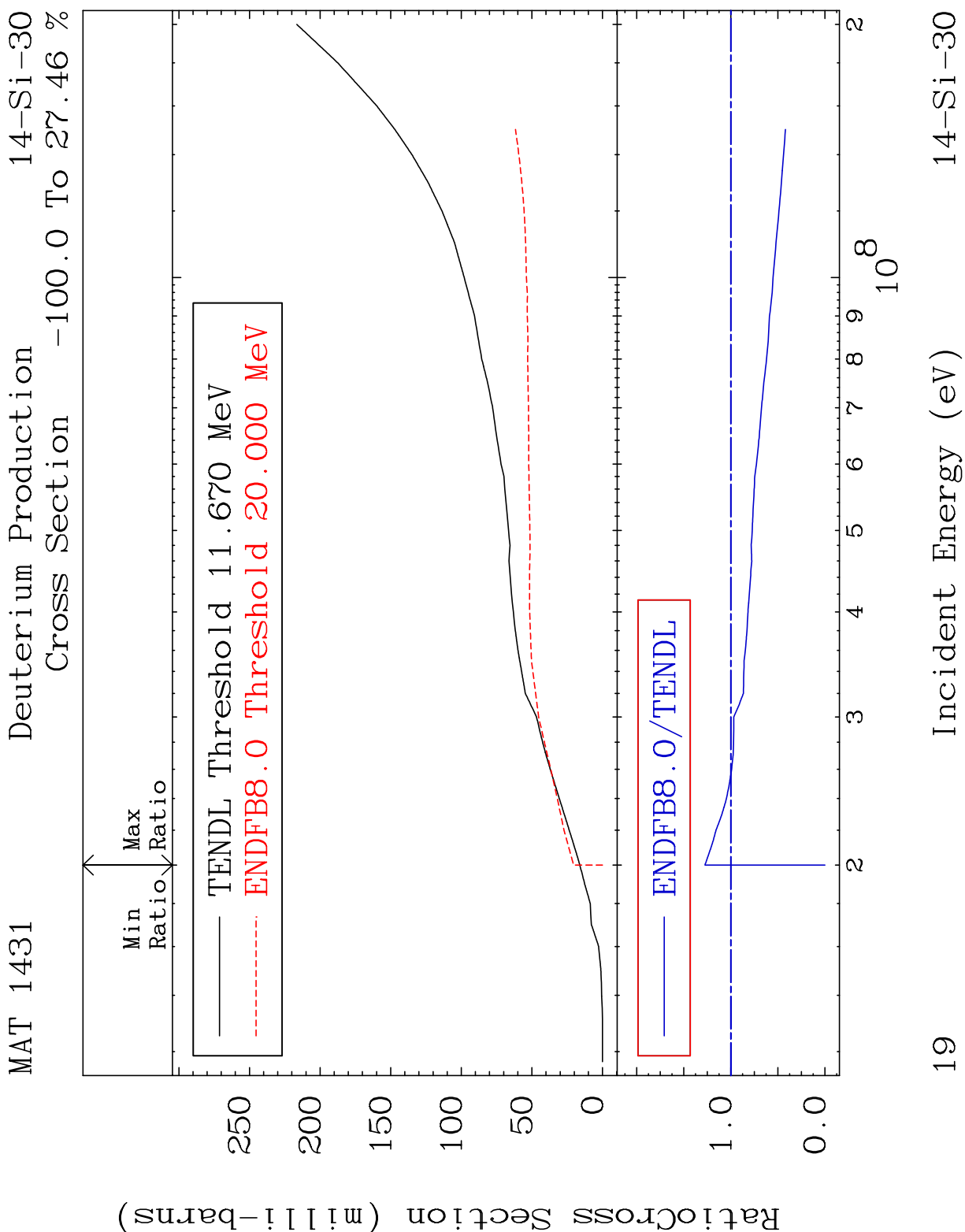




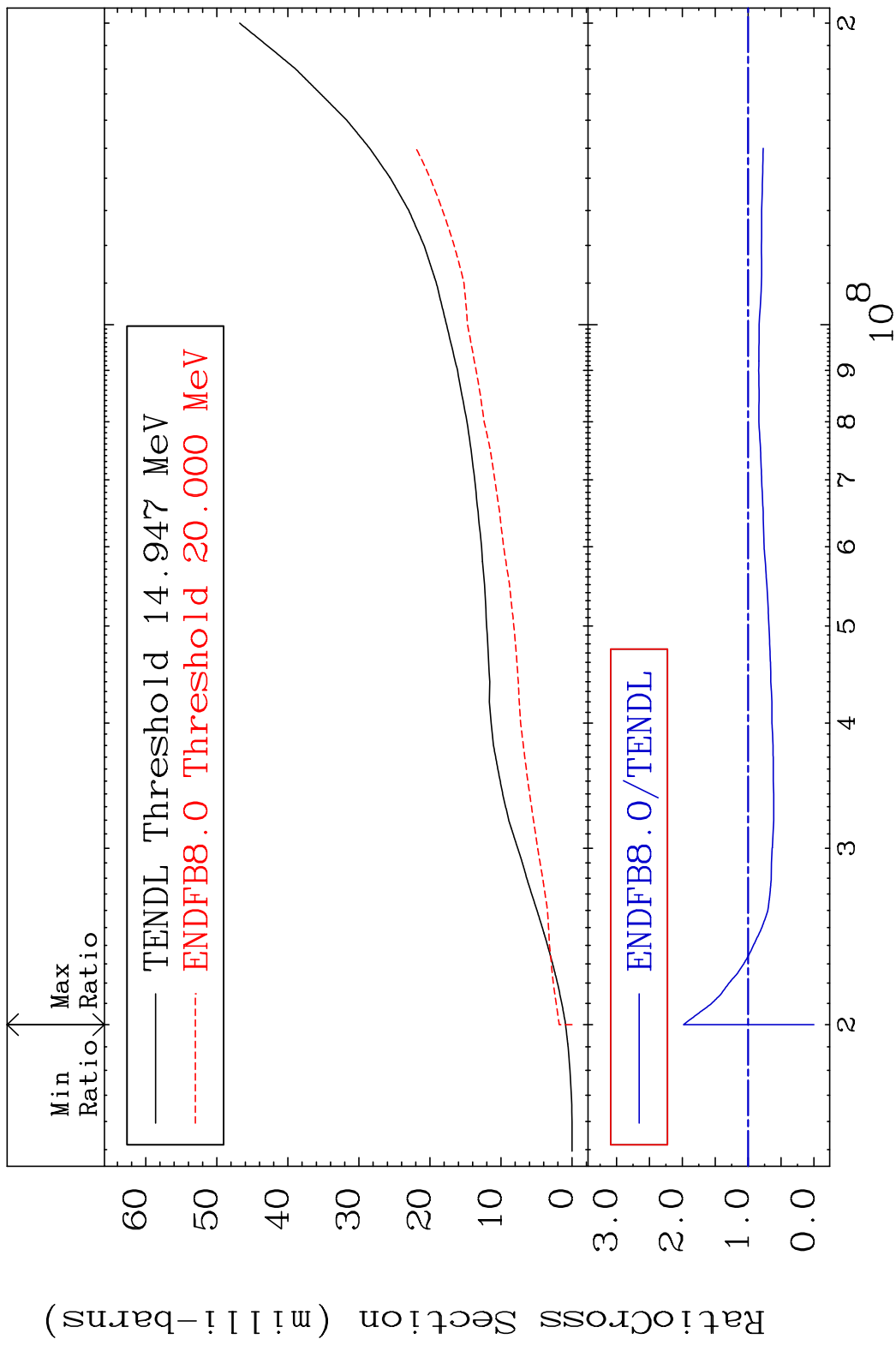
MAT 1431 Hydrogen Production 14-Si-30  
 Cross Section 6.775 To 2814. %



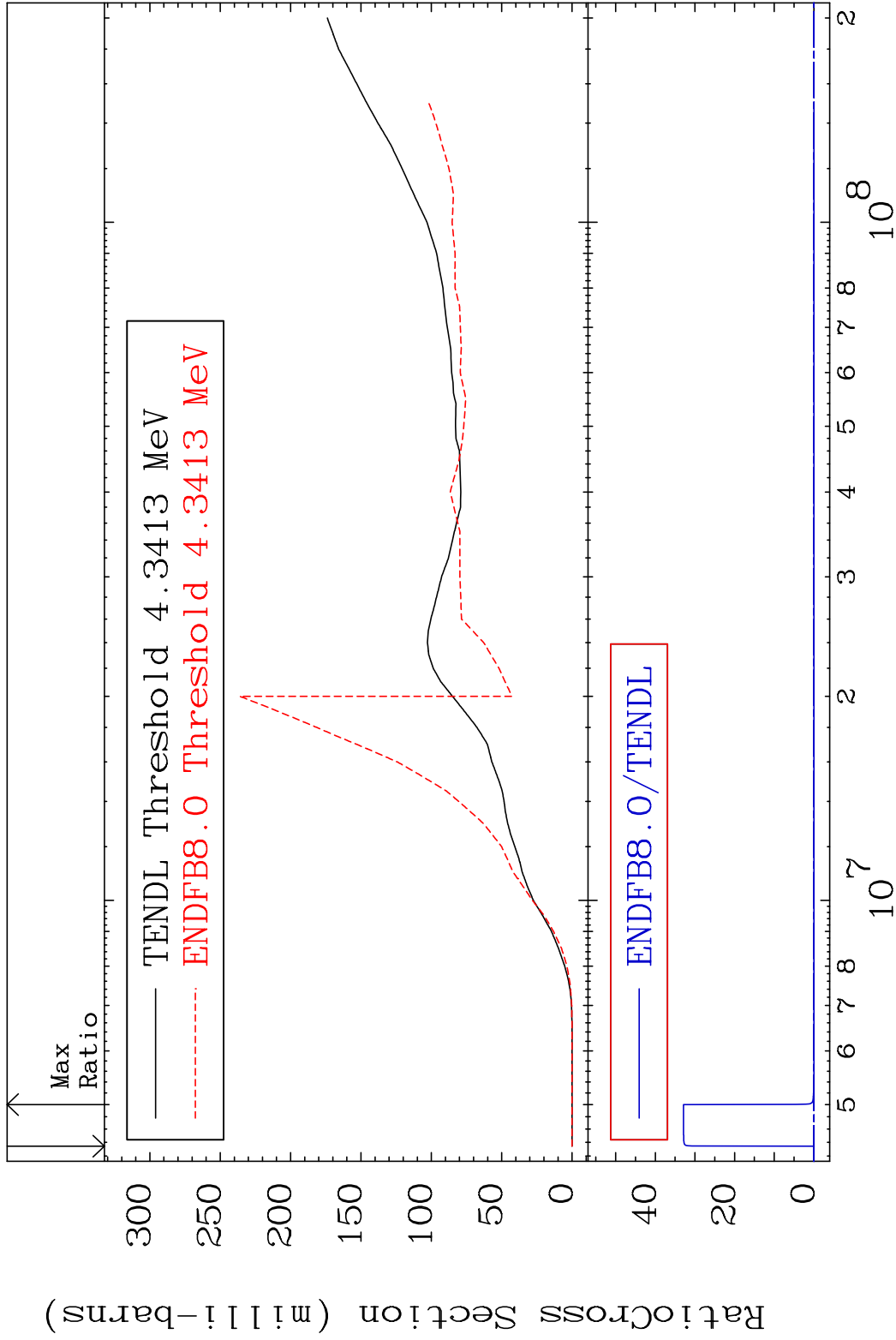
18 14-Si-30



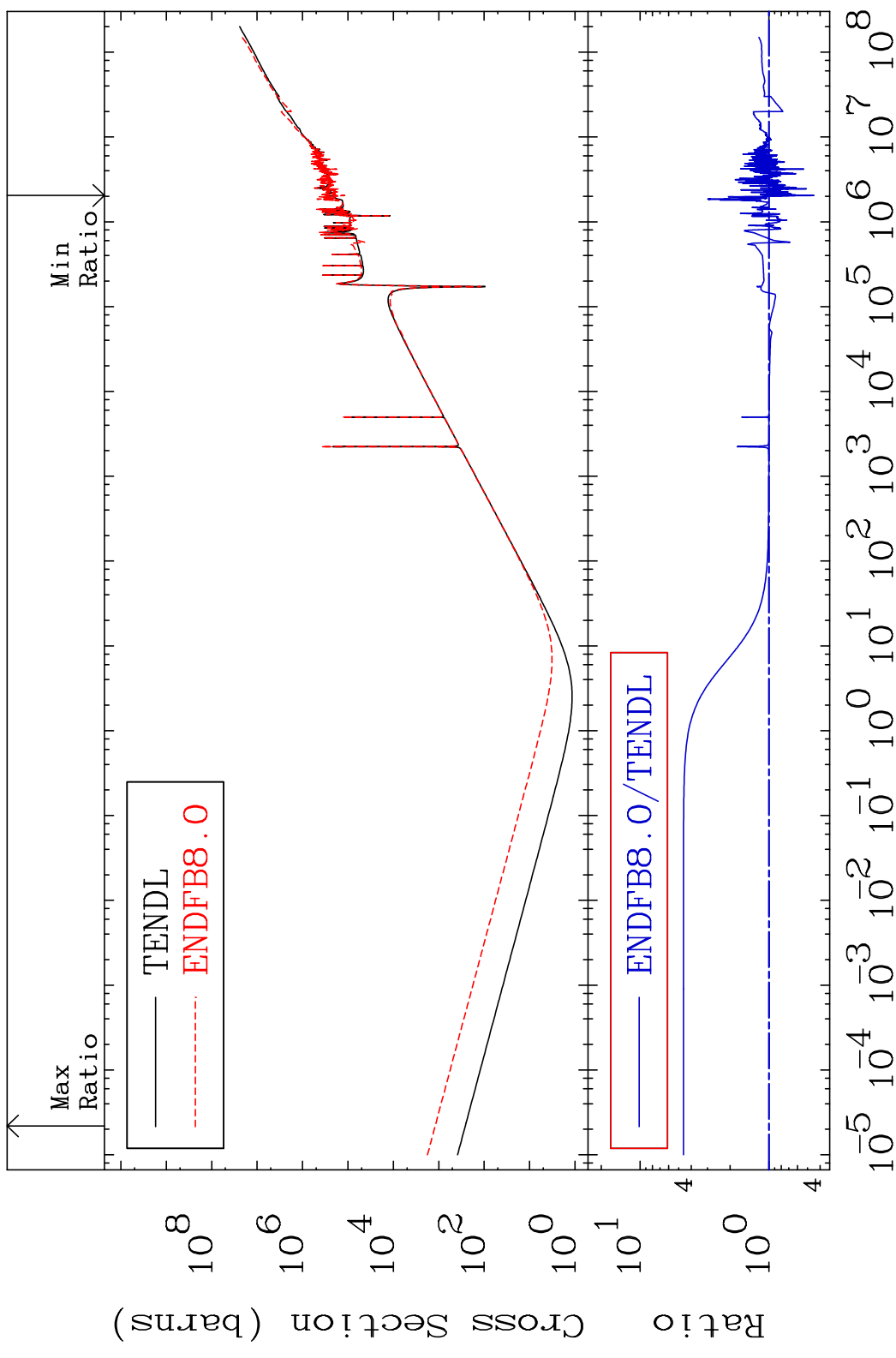
MAT 1431 Tritium Production 14-Si-30  
 Cross Section -100.0 To 98.19 %



MAT 1431 He-4 Production 14-Si-30  
 Cross Section -100.0 To 9999. %



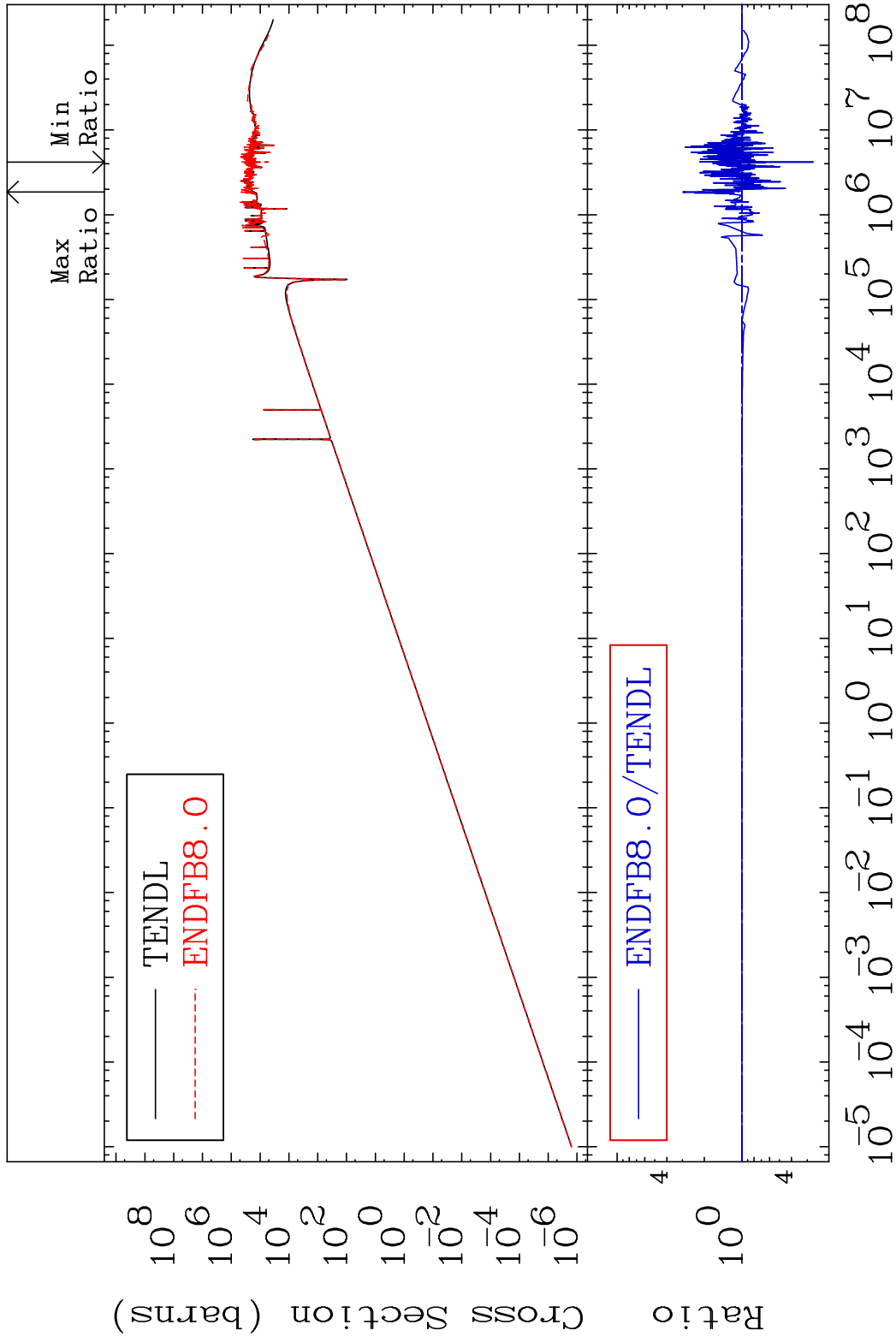
MAT 1431 Kerma total (eV-barns) 14-Si-30  
 Cross Section -55.29 To 359.9 %



MAT 1431

Kerma elastic  
Cross Section

14-Si-30  
-73.12 To 197.7 %



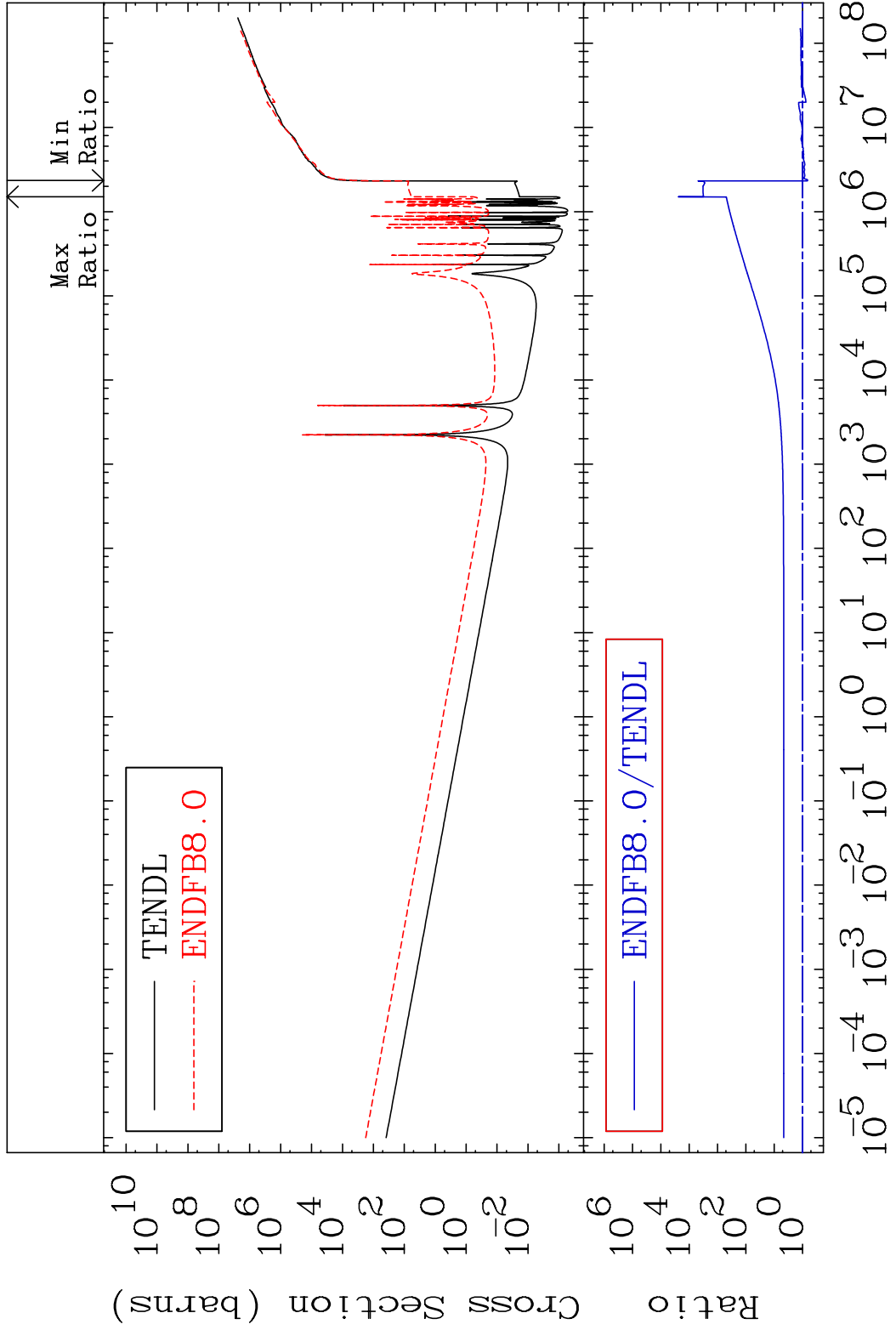
23

Incident Energy (eV)

14-Si-30

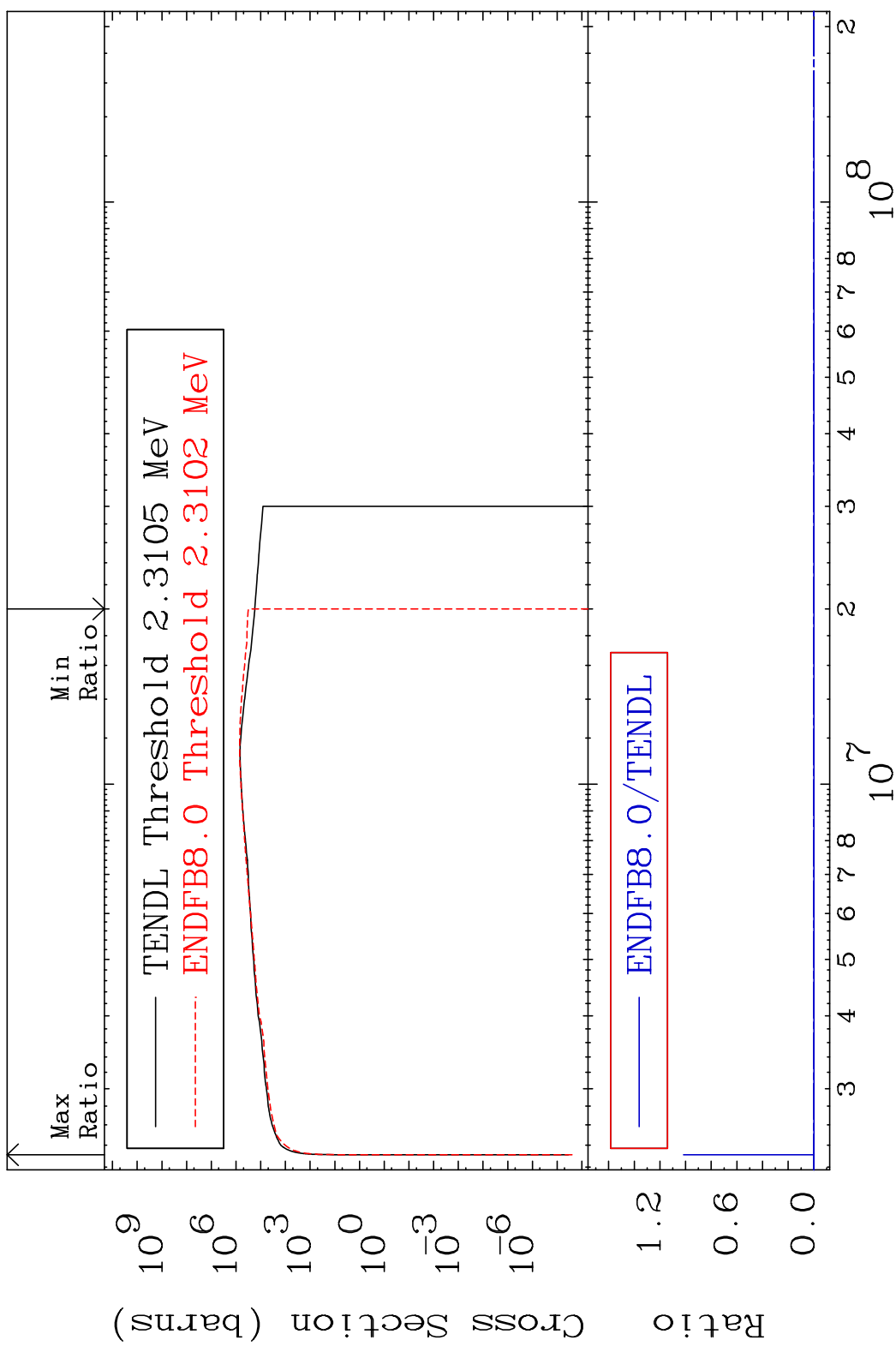


MAT 1431 Kerma non-elastic (all but mt2) 14-Si-30  
 Cross Section -34.73 To 9999. %

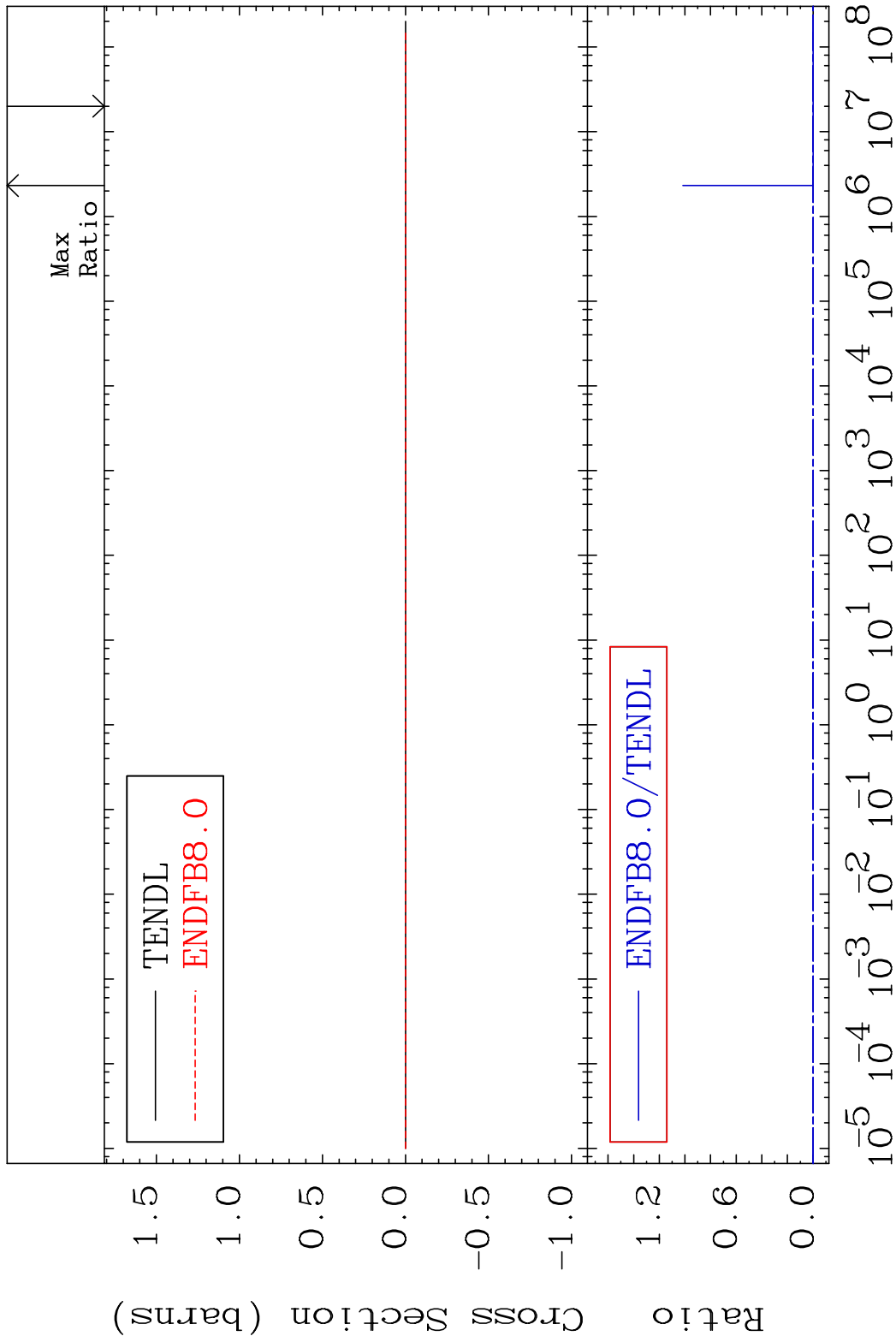


24 Incident Energy (eV) 14-Si-30

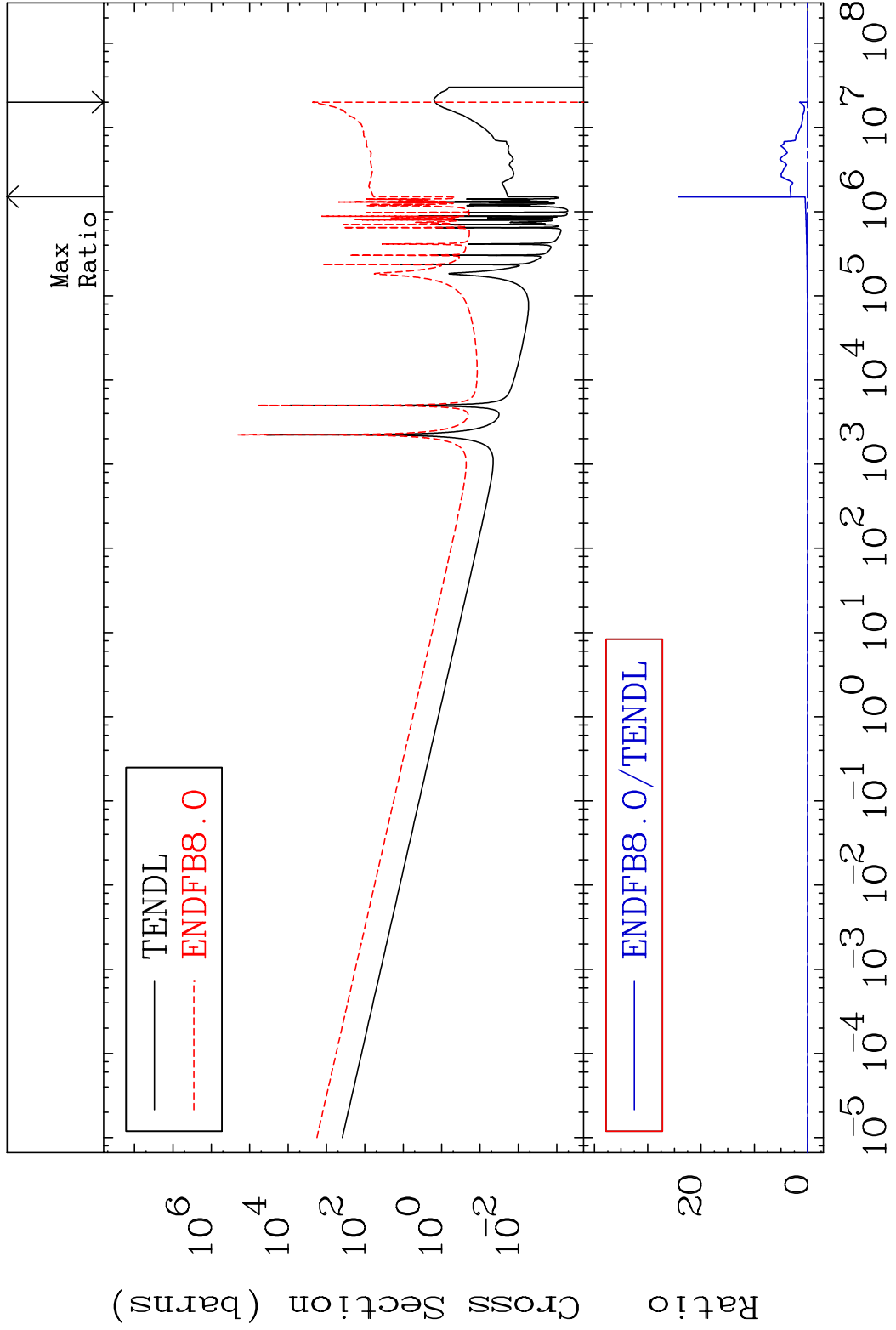
MAT 1431 Kerma inelastic (mt51-91) 14-Si-30  
 Cross Section -100.0 To 9999. %



MAT 1431 Kerma fission (mt18 or mt19-20-21-38) 14-Si-30  
 Cross Section -100.0 To 9999. %

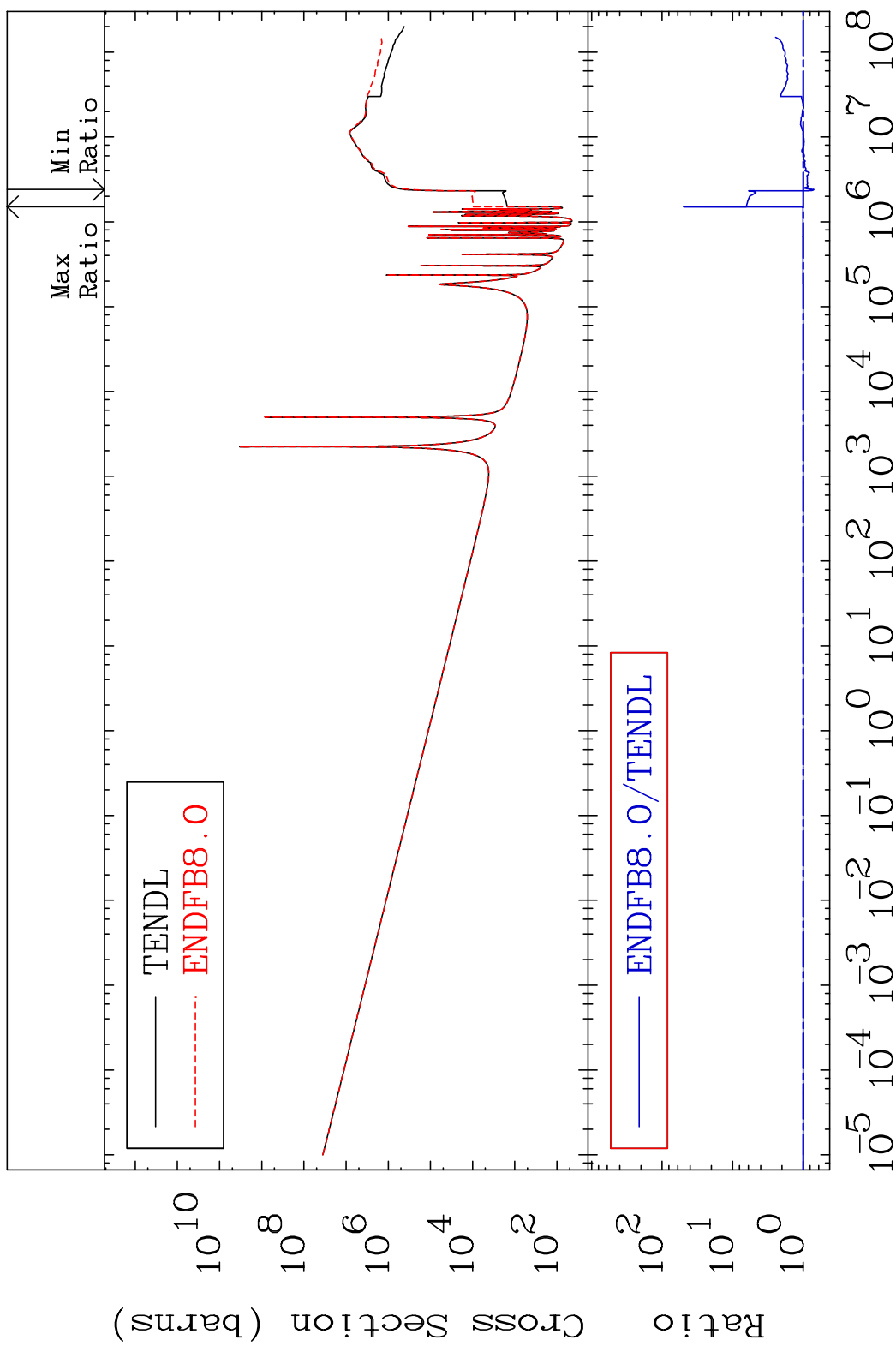


MAT 1431 Kerma capture (mt102) 14-Si-30  
 Cross Section -100.0 To 9999. %



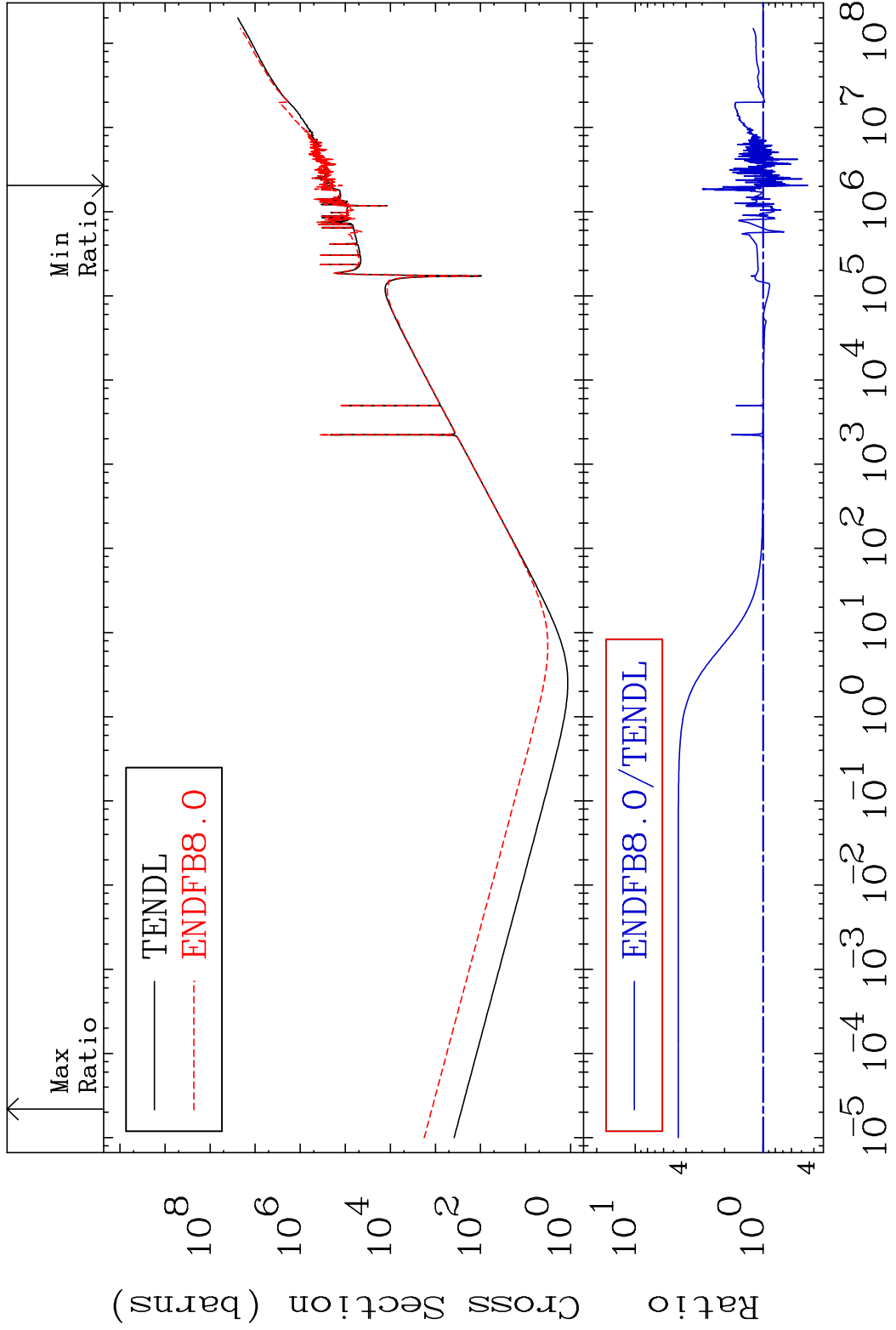
27 Incident Energy (eV) 14-Si-30

MAT 1431 Total photon (eV-barns) 14-Si-30  
 Cross Section -29.63 To 4882. %

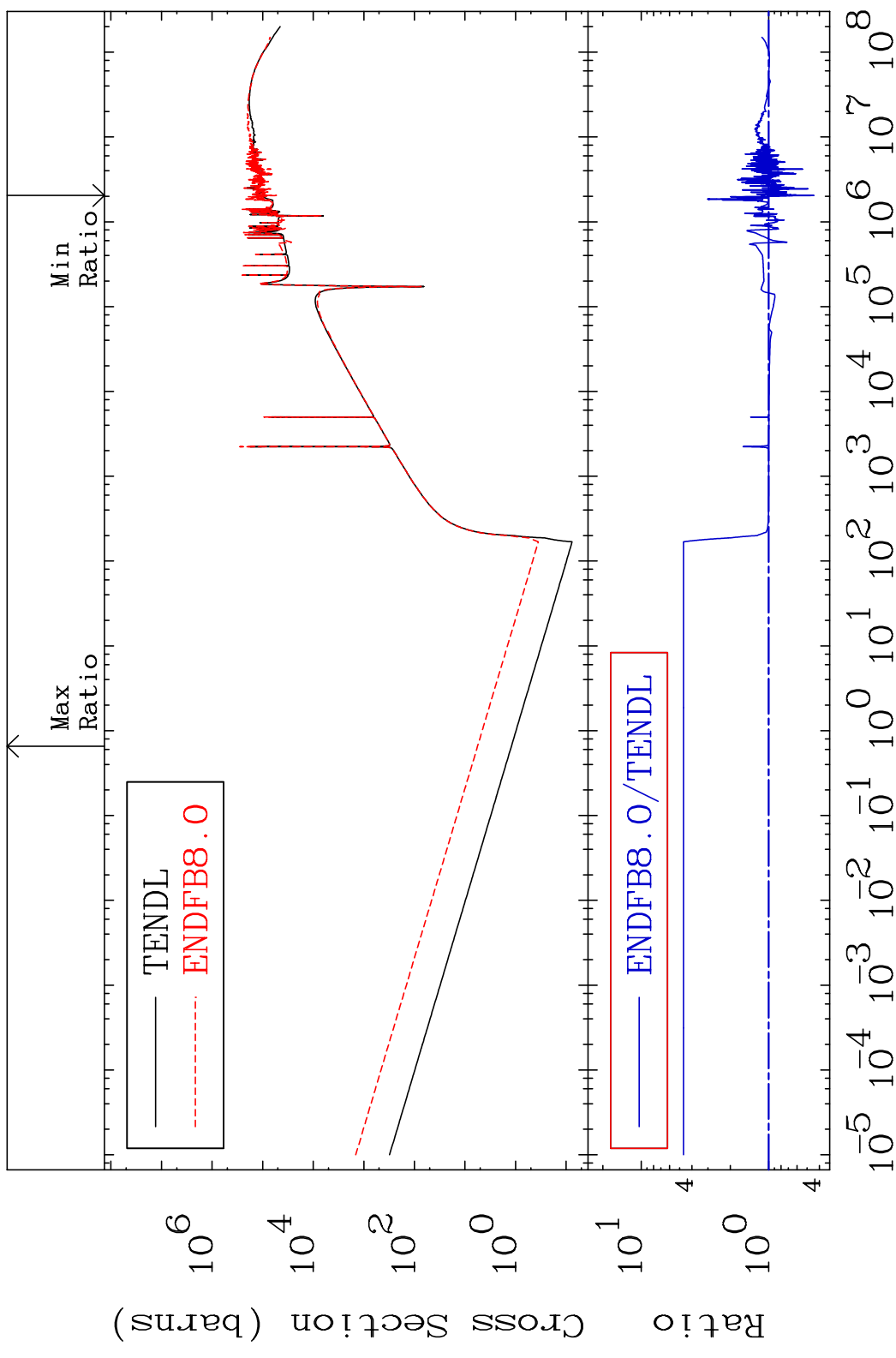


28 Incident Energy (eV) 14-Si-30

MAT 1431 Total kinematic kerma (high limit) 14-Si-30  
 Cross Section -55.29 To 359.9 %

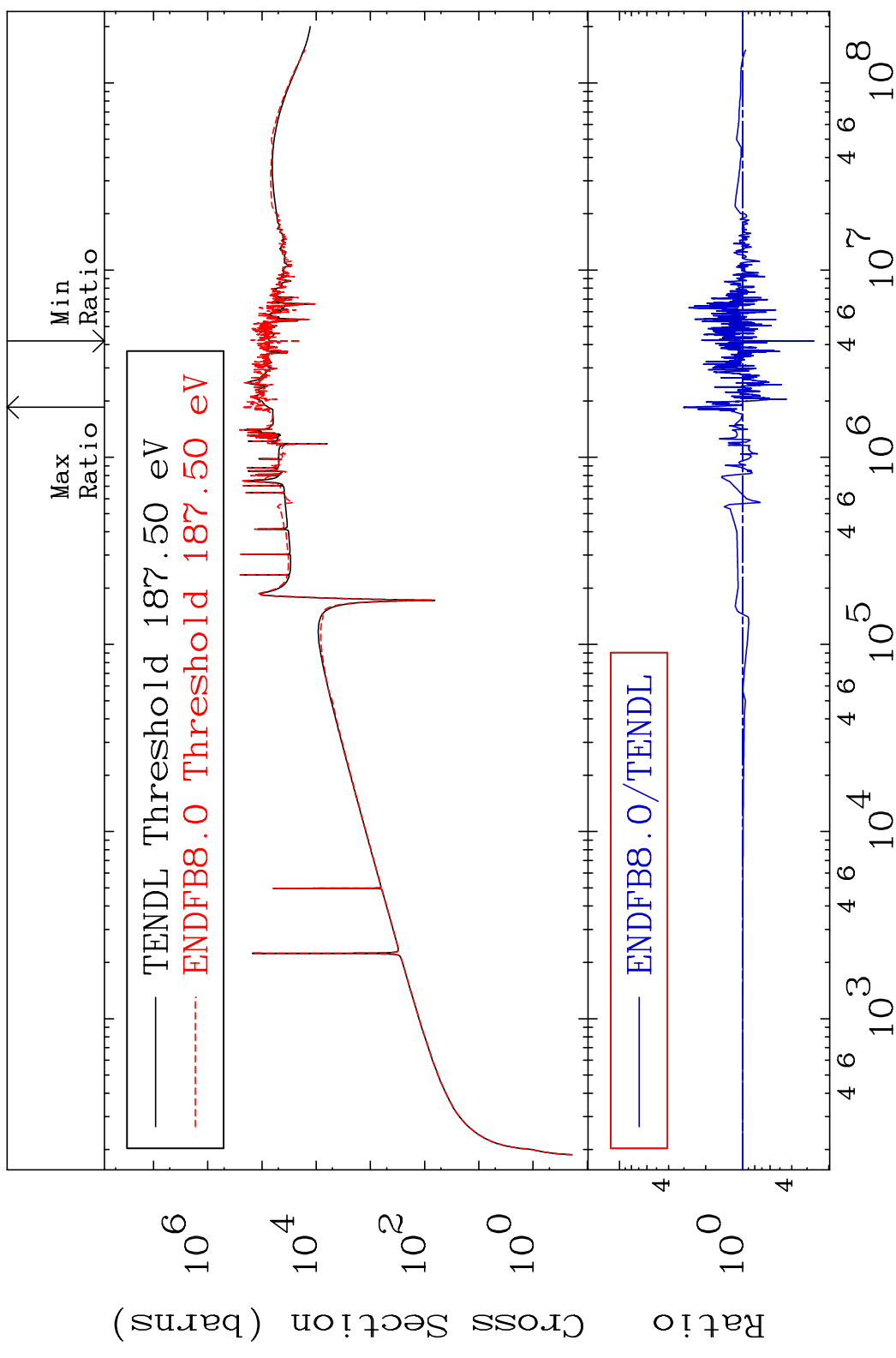


MAT 1431      Dpa total (eV-barns)      14-Si-30  
 Cross Section      -55.80 To 366.3 %



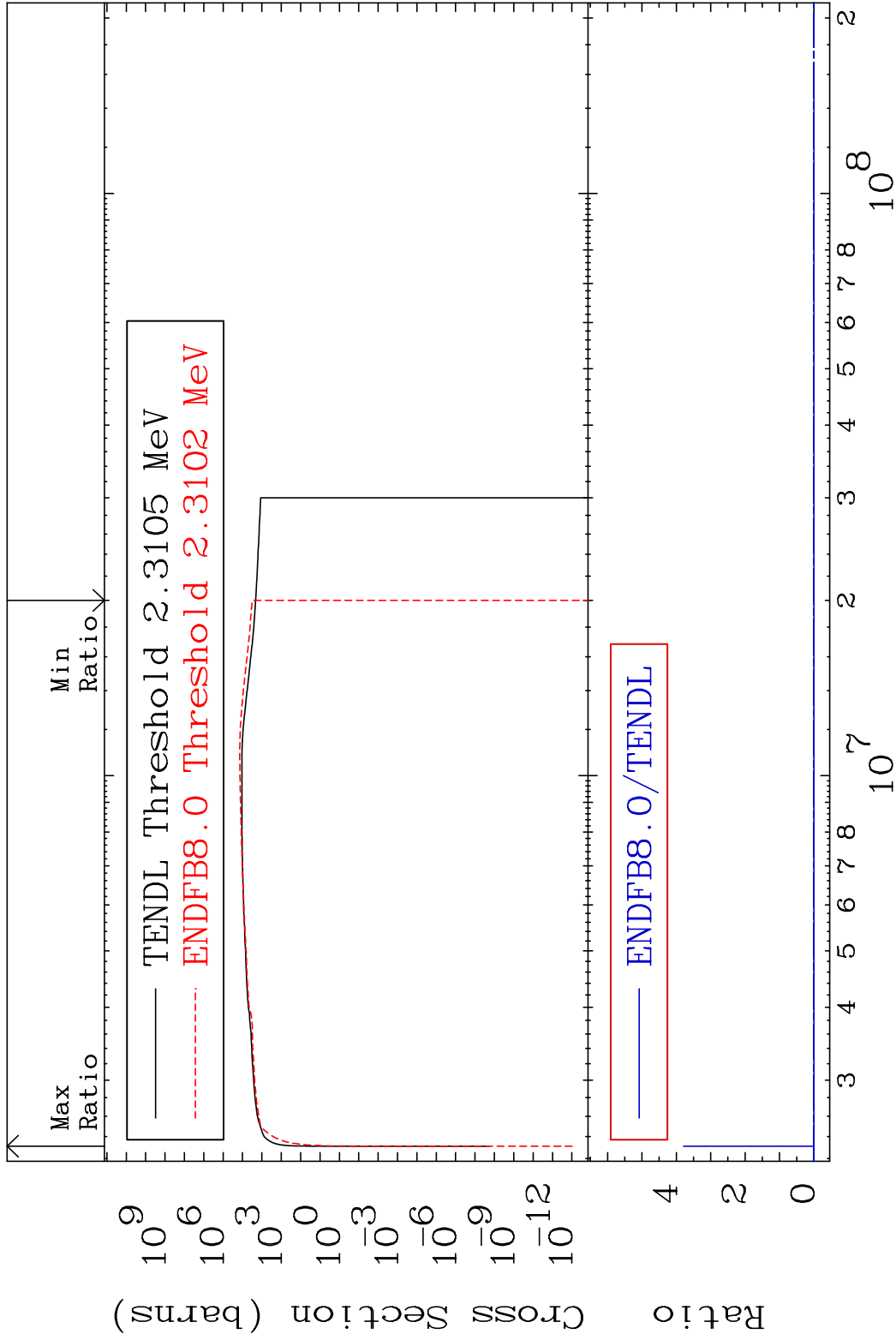
30      Incident Energy (eV)      14-Si-30

MAT 1431      Dpa elastic (mt2)      14-Si-30  
 Cross Section      -73.56 To 202.7 %



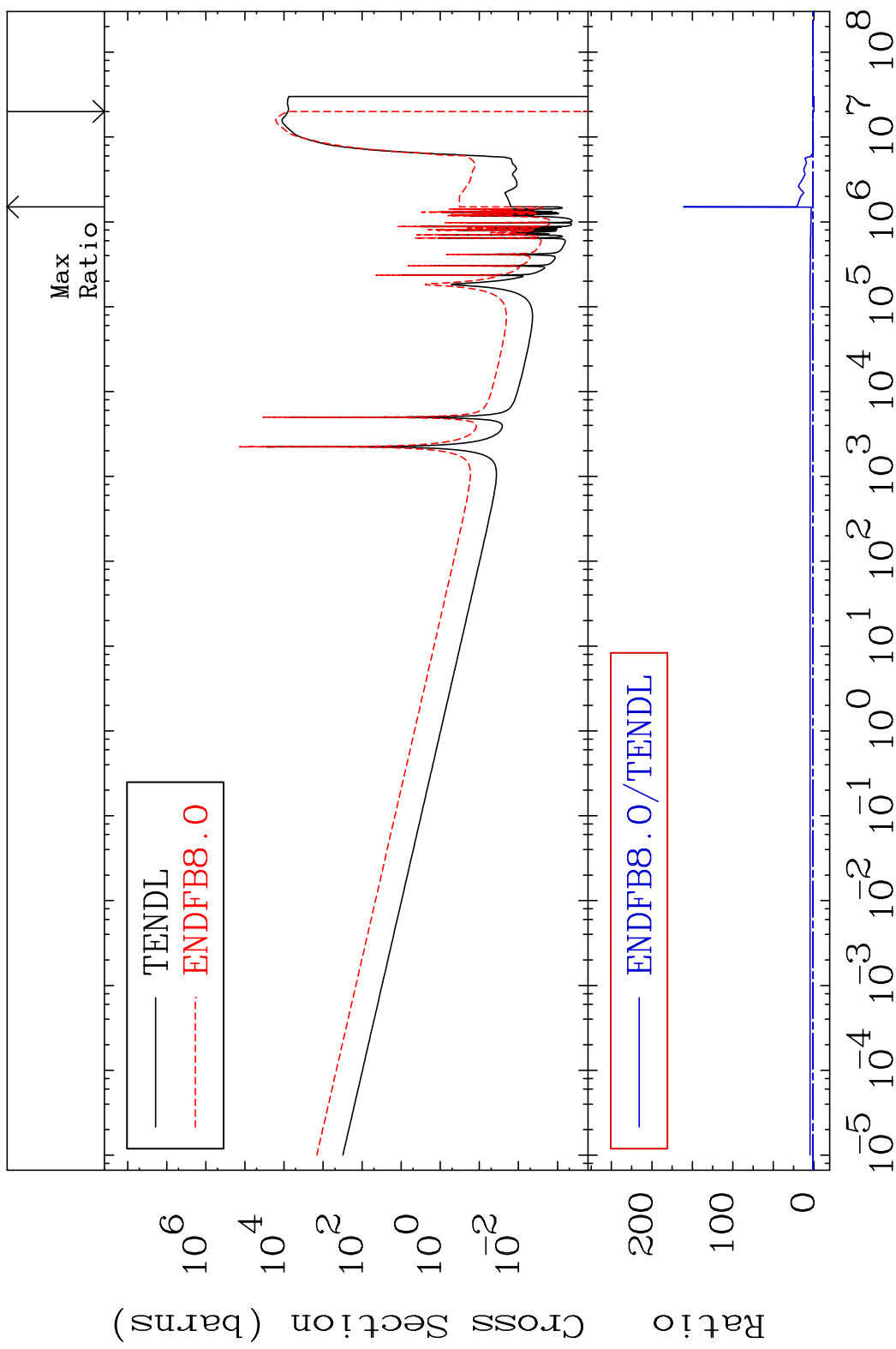


MAT 1431 Dpa inelastic (mt51-91) 14-Si-30  
 Cross Section -100.0 To 9999. %



32 Incident Energy (eV) 14-Si-30

MAT 1431 Dpa disappearance (mt102 -120) 14-Si-30  
 Cross Section -100.0 To 9999. %



33 Incident Energy (eV) 14-Si-30