

Program Complot  
(Version 2021-1)

by

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U.S.A.

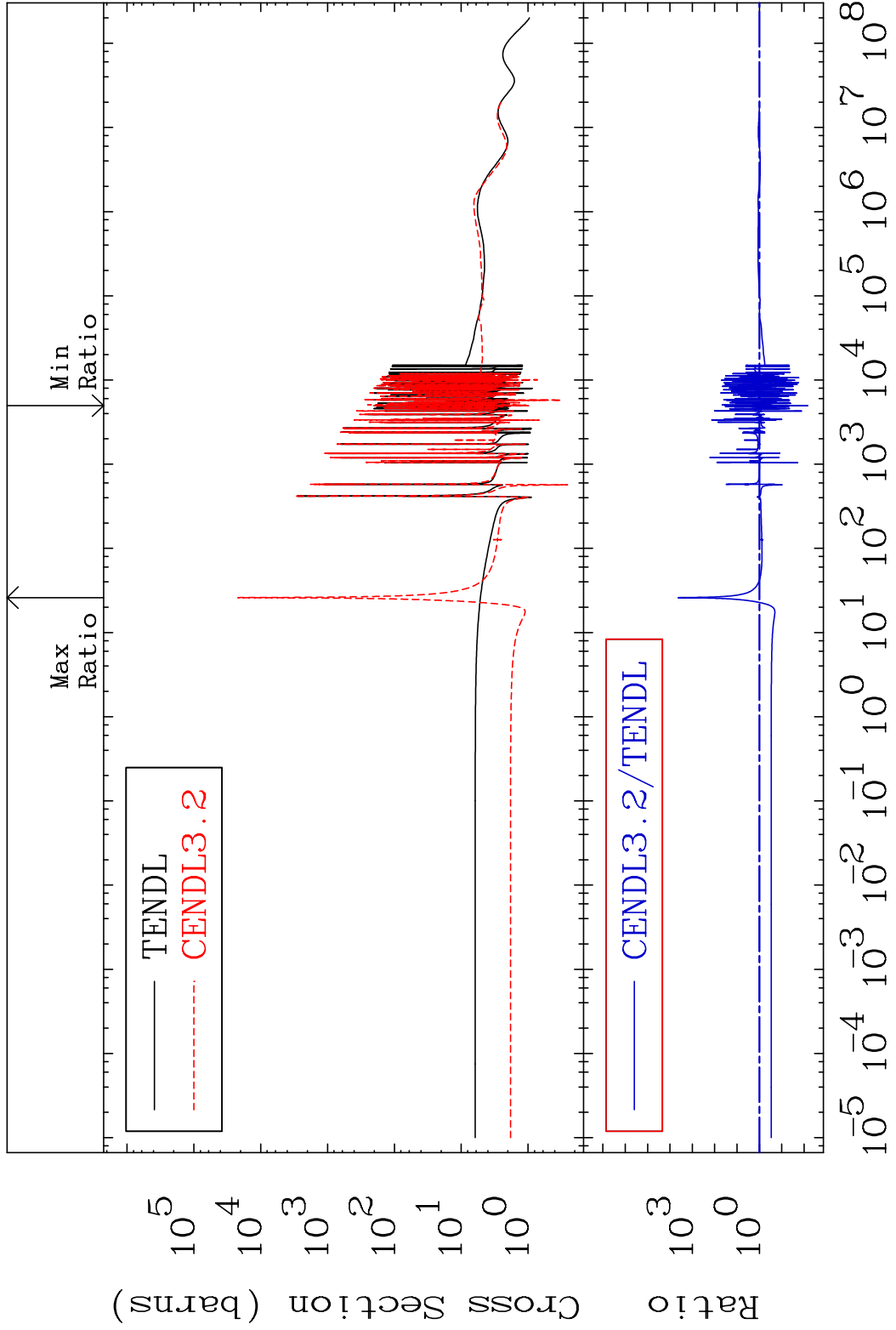
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E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

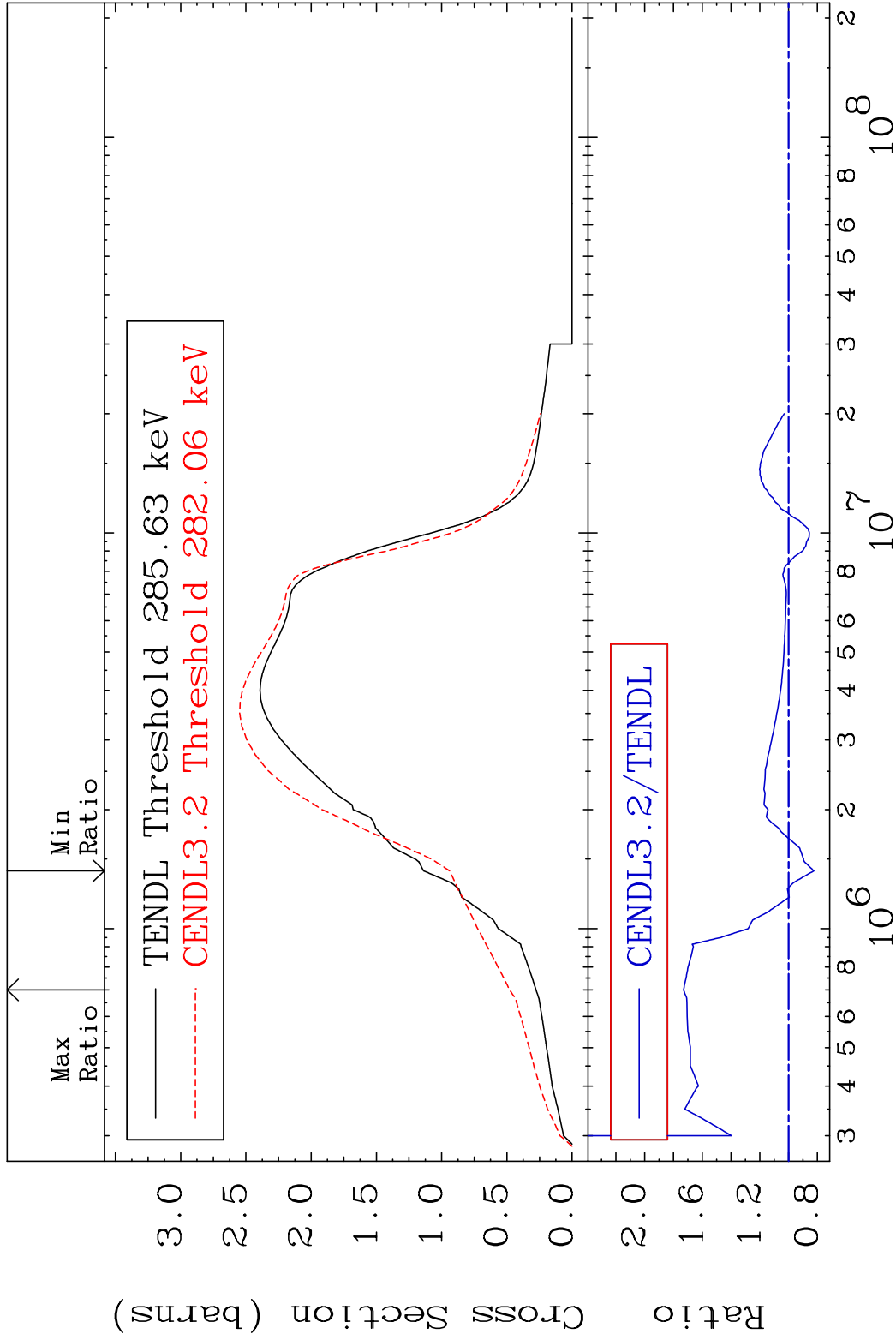


MAT 5646                      Elastic                      56-Ba-137  
 Cross Section                      -99.31 To 9999. %

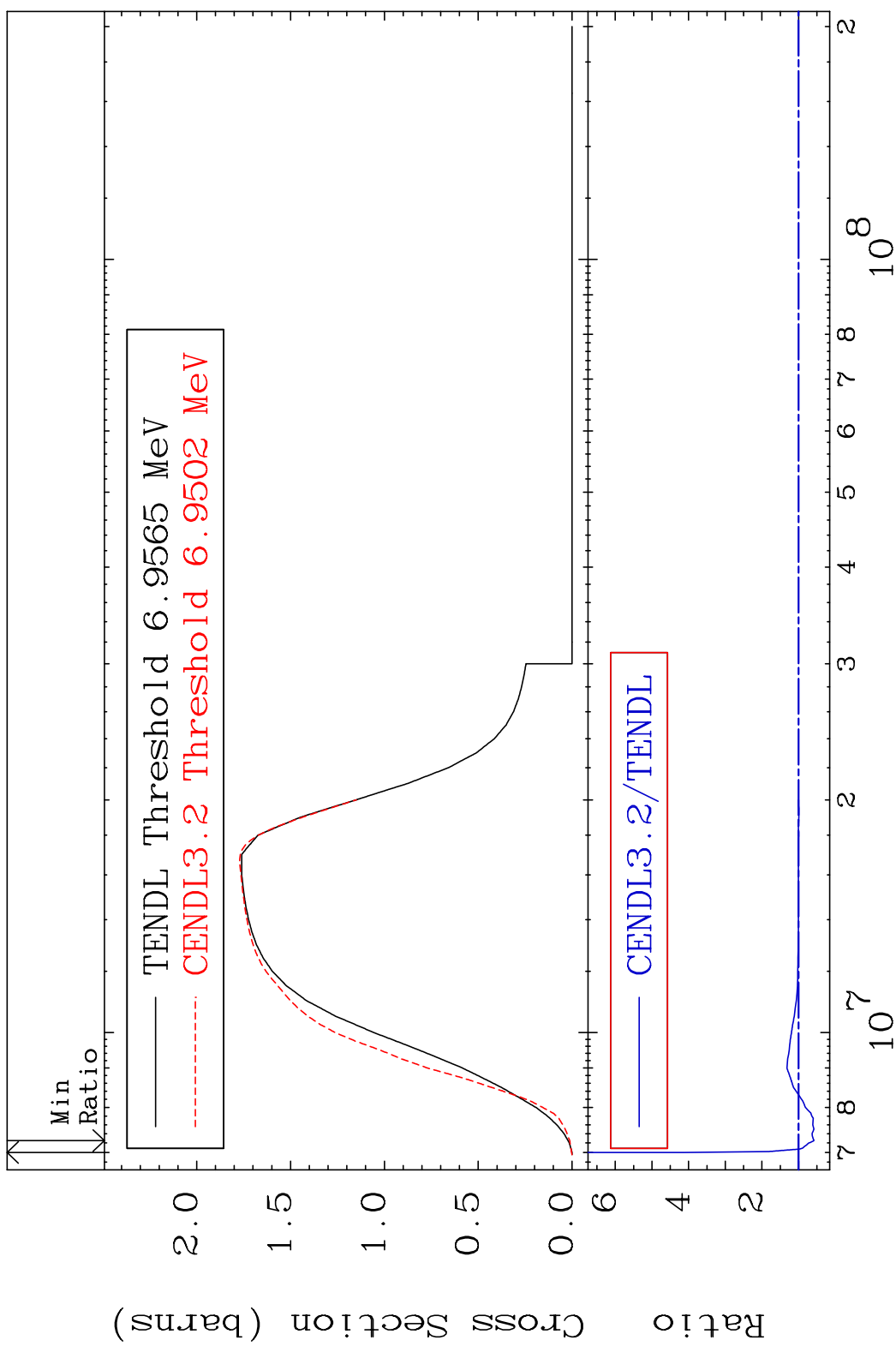


2                      Incident Energy (eV)                      56-Ba-137

MAT 5646 Inelastic 56-Ba-137  
 Cross Section -17.53 To 73.03 %

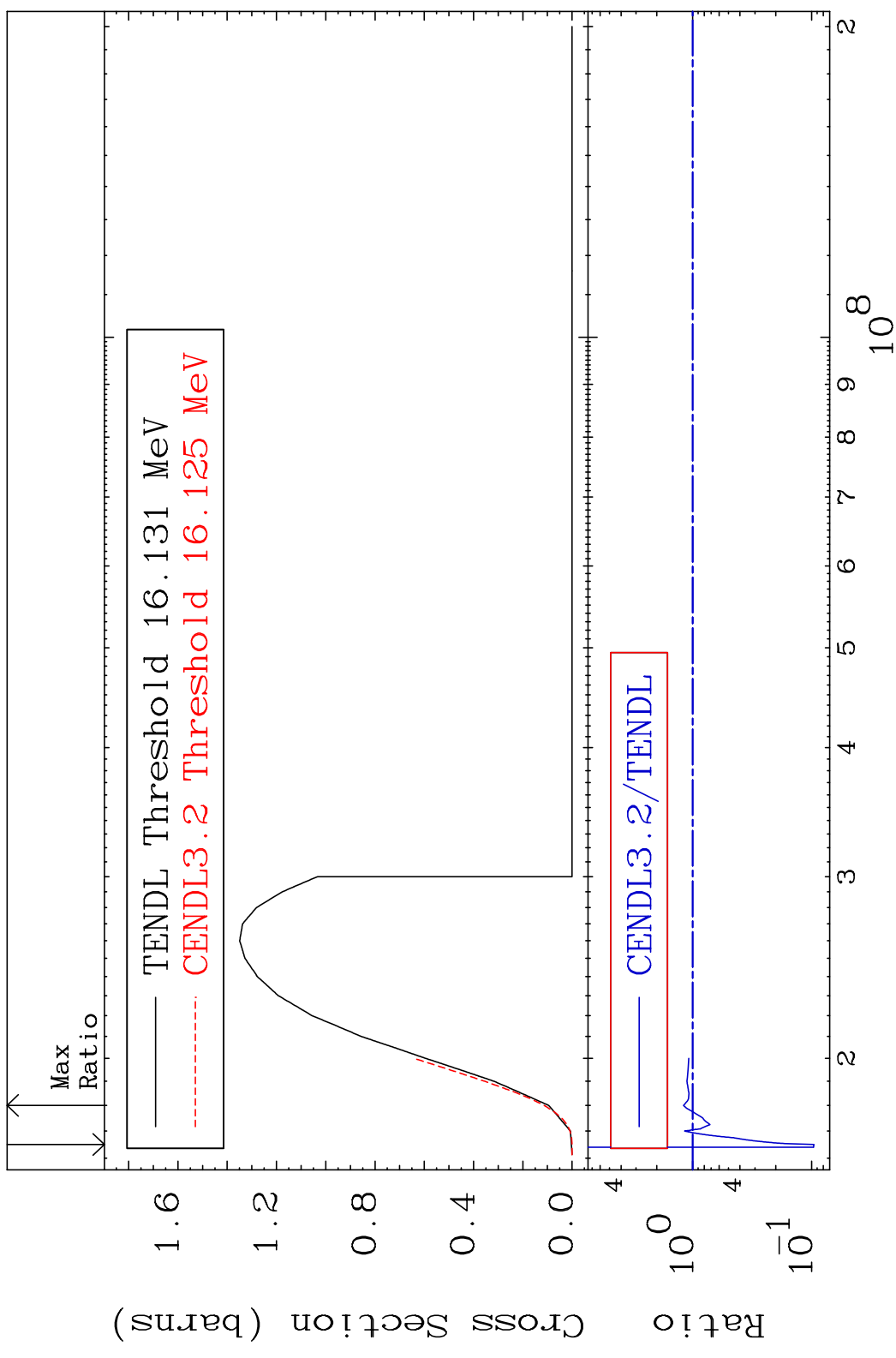


MAT 5646 (n,2n) 56-Ba-137  
 Cross Section -41.69 To 314.0 %

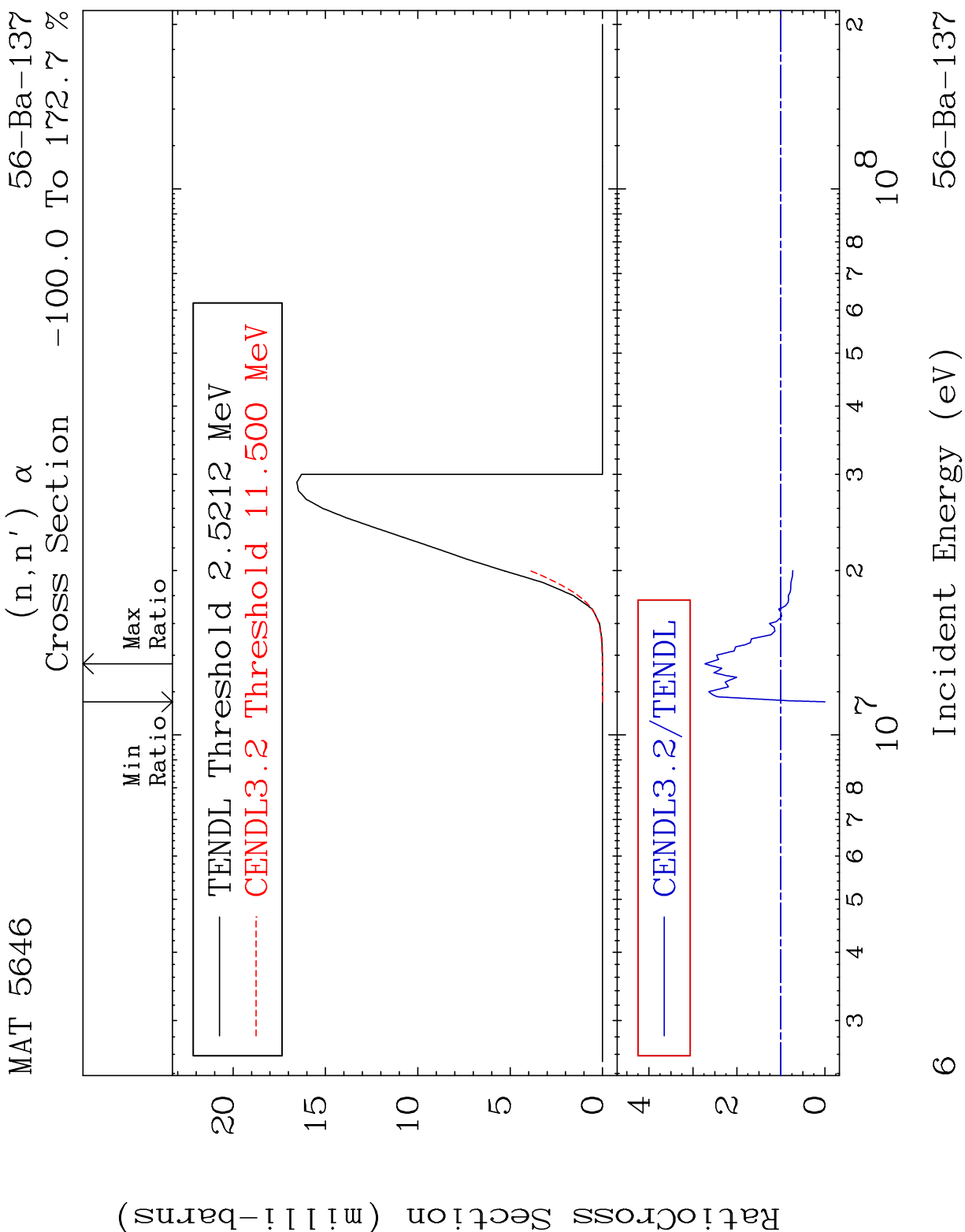


4 Incident Energy (eV) 56-Ba-137

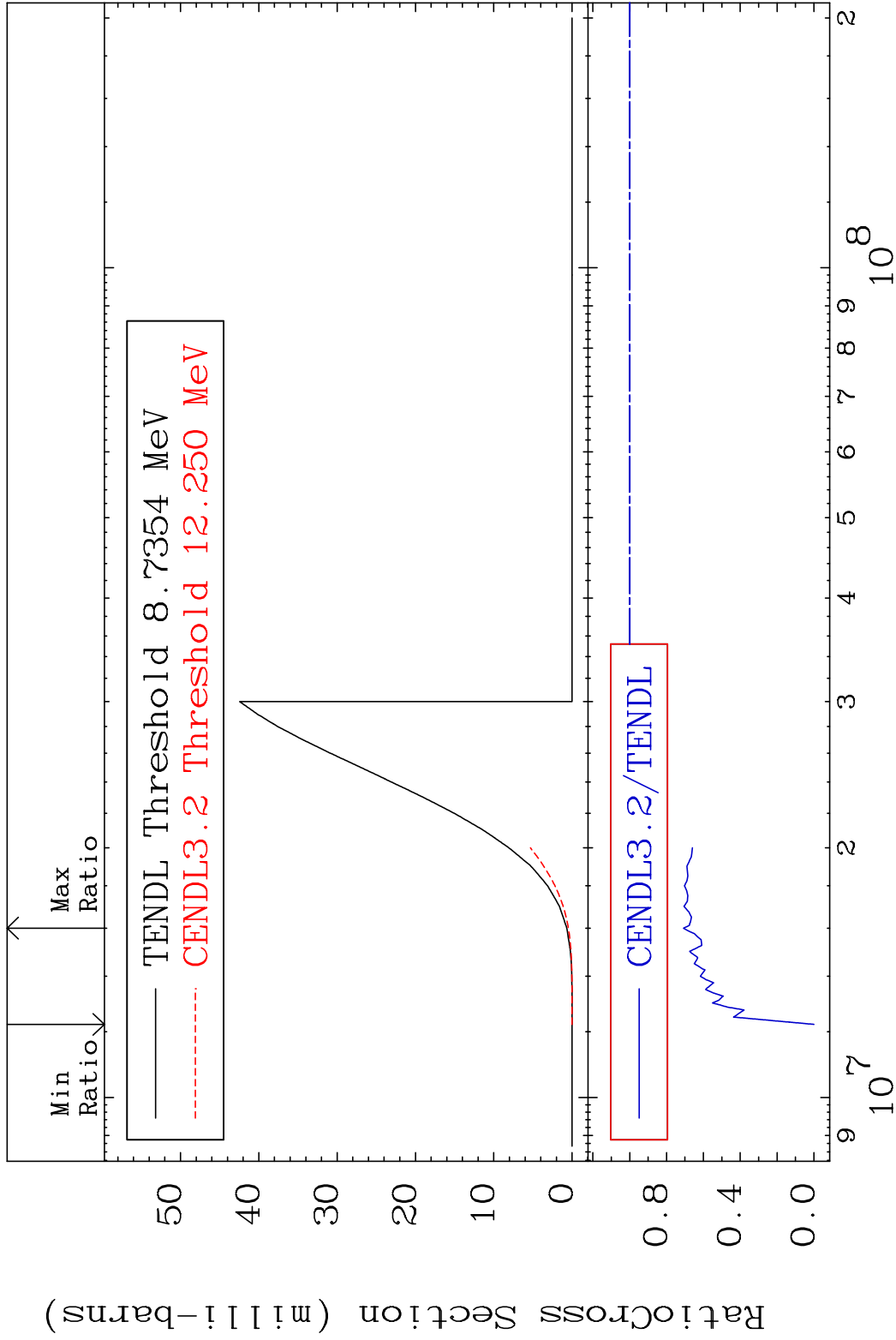
MAT 5646 (n,3n) 56-Ba-137  
 Cross Section -90.42 To 19.53 %



5 Incident Energy (eV) 56-Ba-137



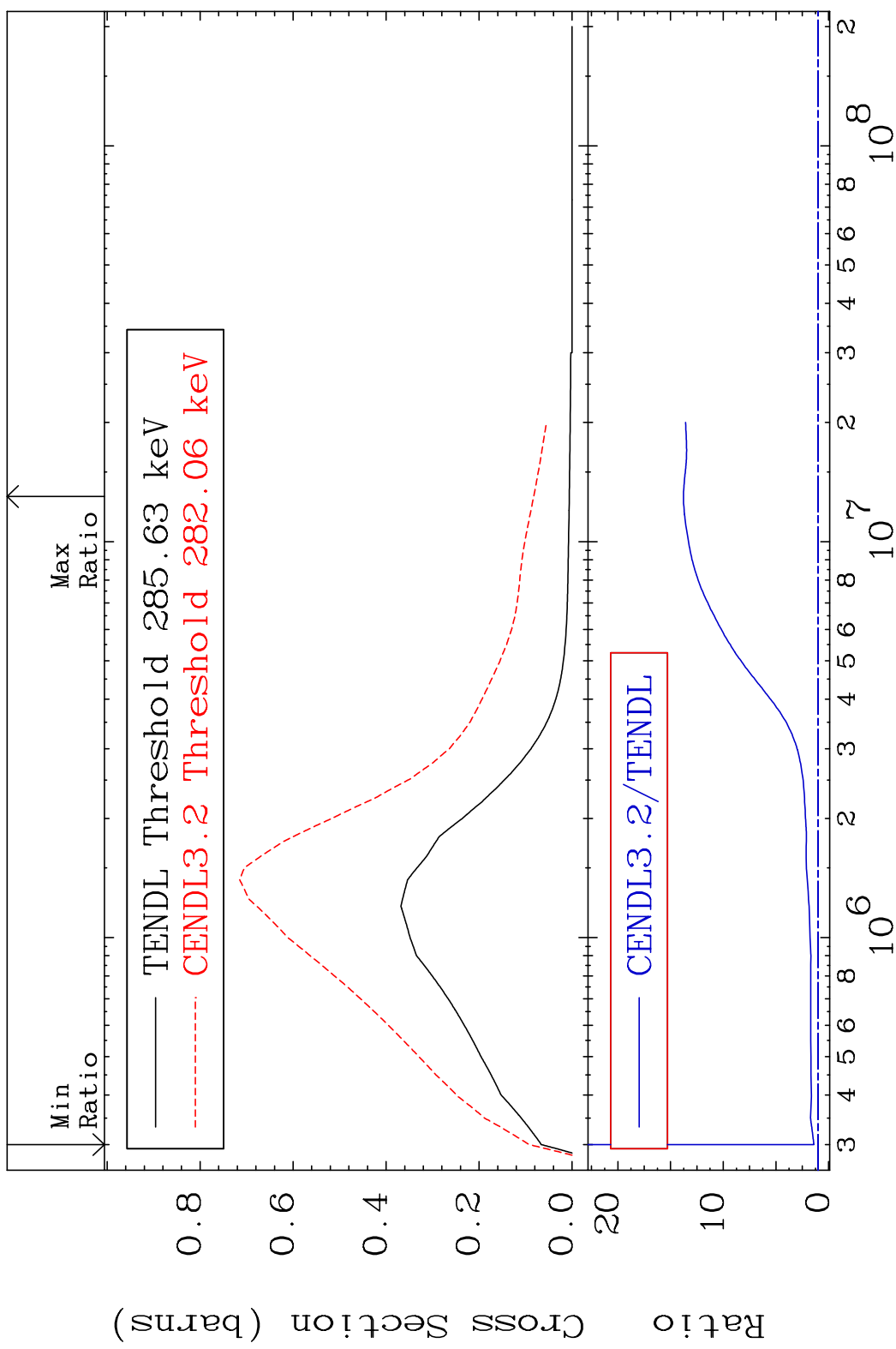
MAT 5646 (n, n') p 56-Ba-137  
 Cross Section -100.0 To -29.18%



7 Incident Energy (eV) 56-Ba-137

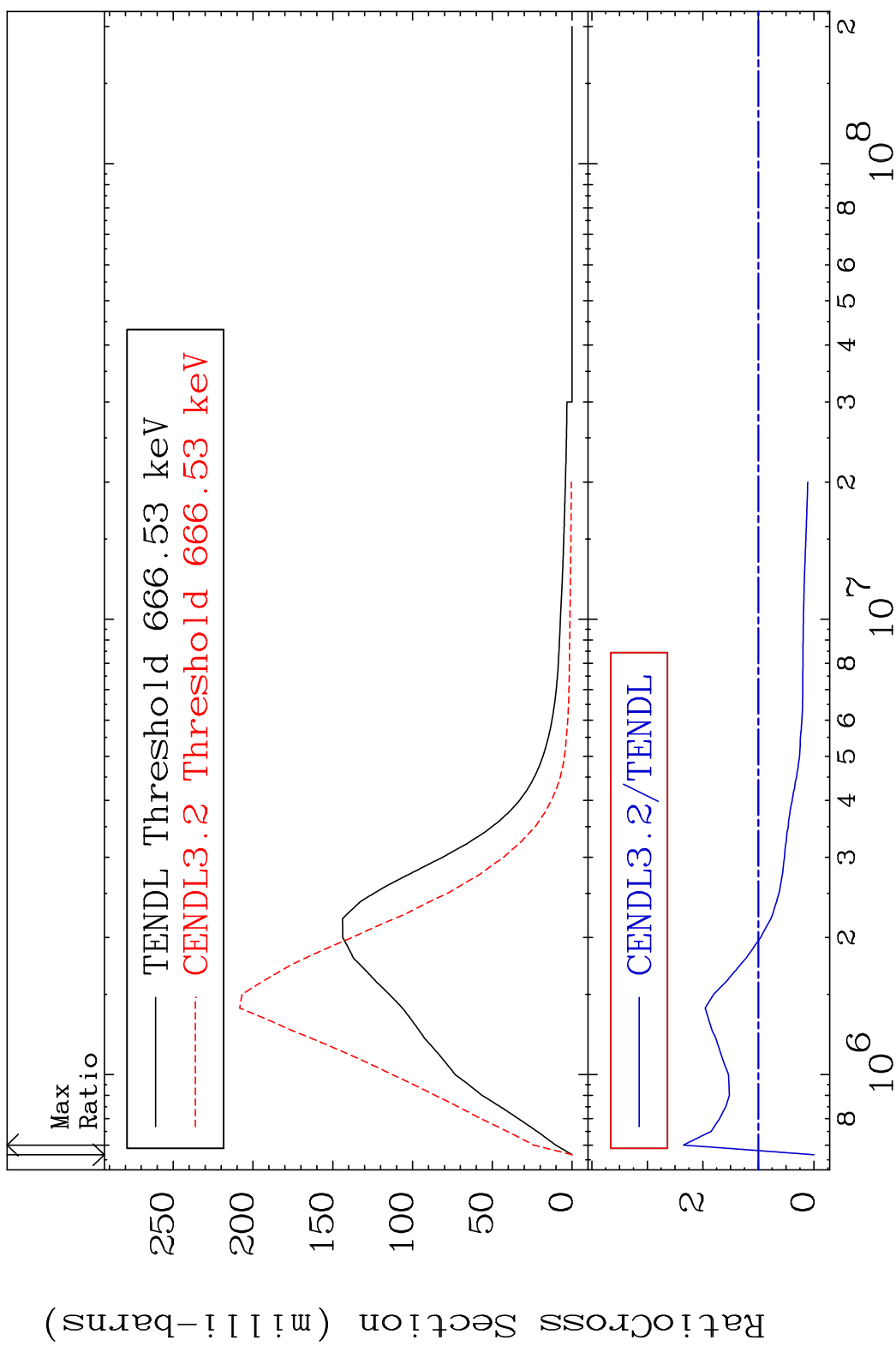


MAT 5646 MT= 51 (n, n') Level 56-Ba-137  
 Cross Section 39.89 To 1278. %



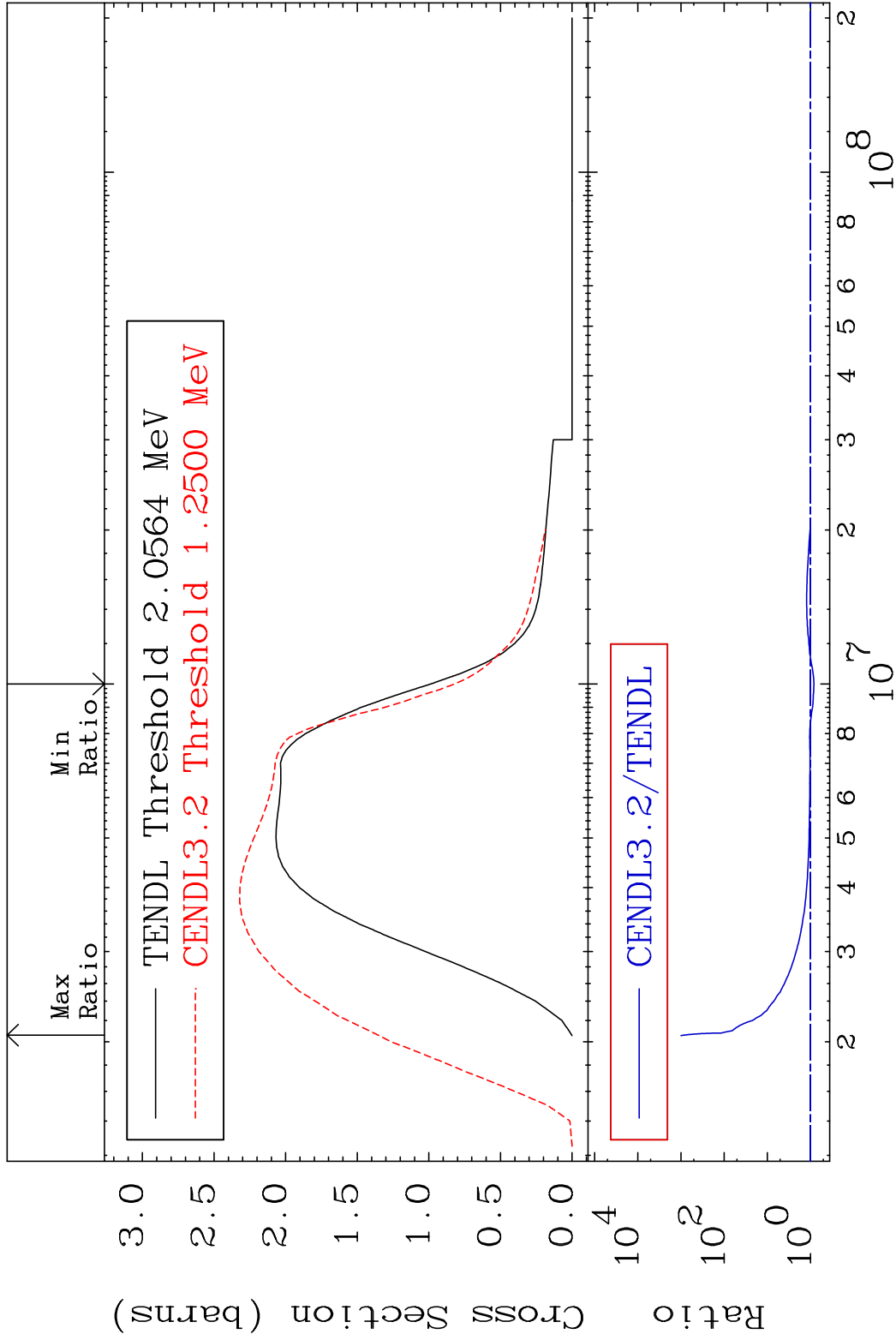
8 Incident Energy (eV) 56-Ba-137

MAT 5646 MT= 52 (n, n') Level 56-Ba-137  
 Cross Section -100.0 To 134.9 %



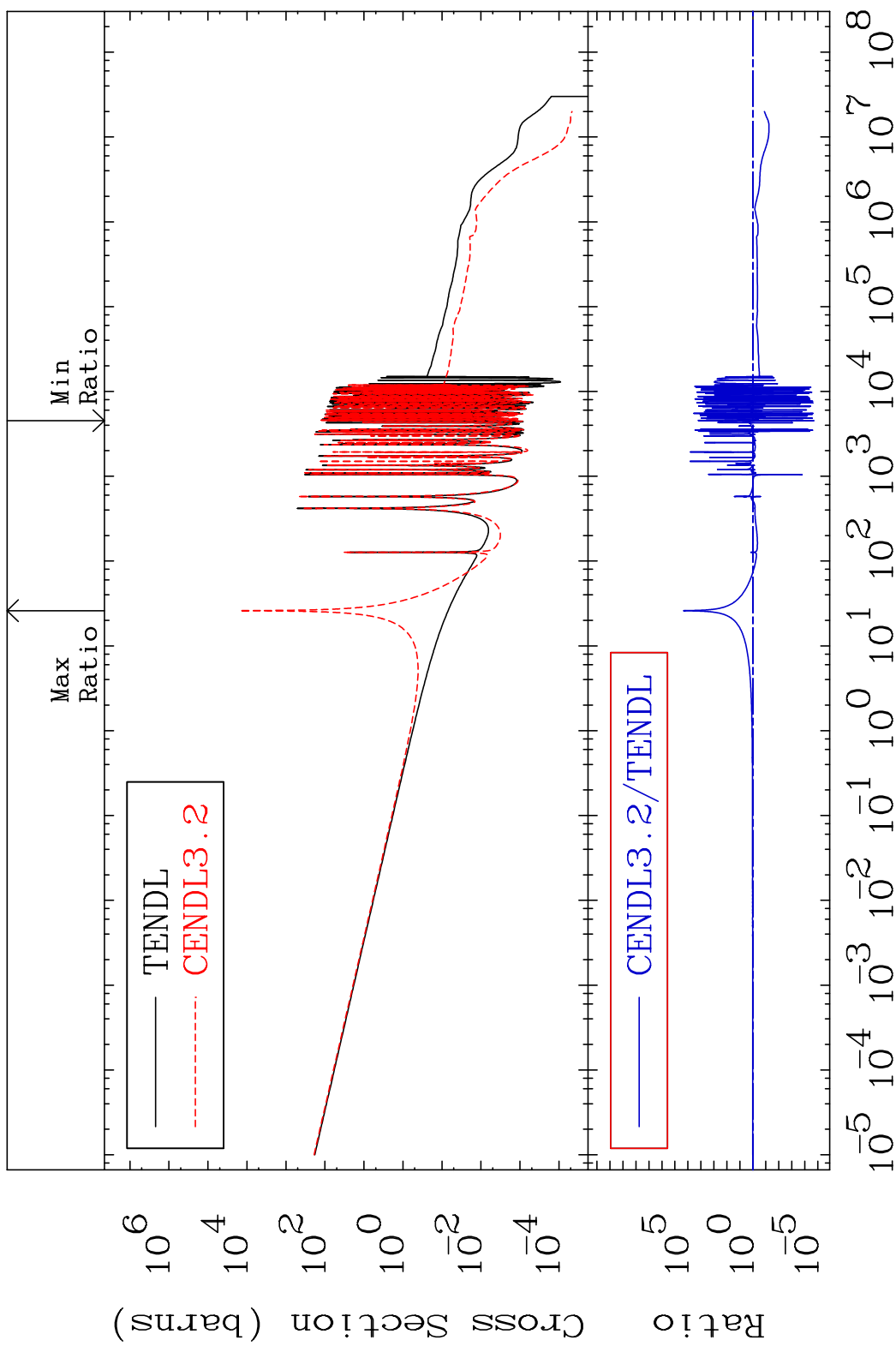
9 Incident Energy (eV) 56-Ba-137

MAT 5646 (n, n') Continuum 56-Ba-137  
 Cross Section -16.99 To 9999. %

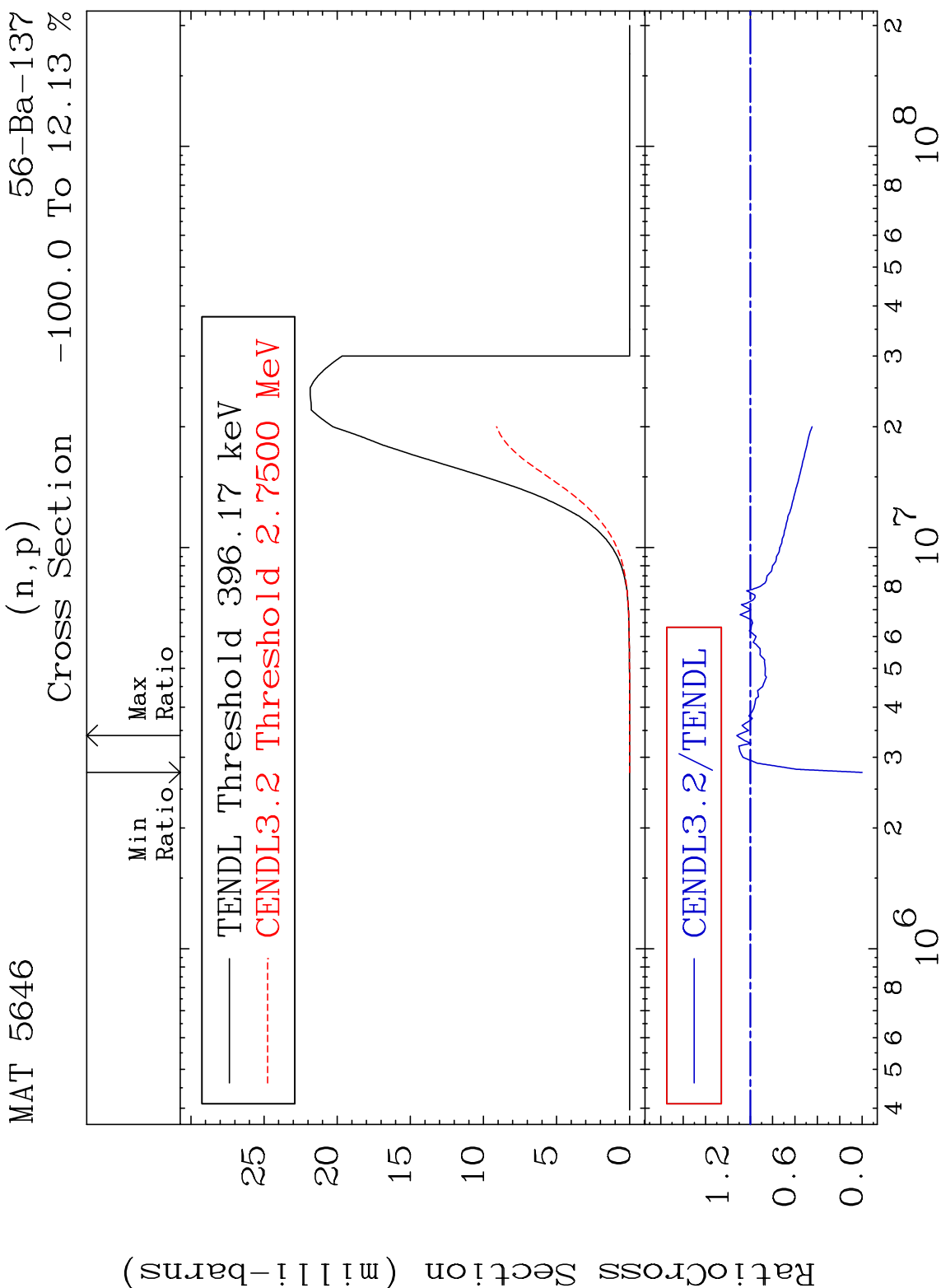


10 Incident Energy (eV) 56-Ba-137

MAT 5646 (n,  $\gamma$ ) 56-Ba-137  
 Cross Section -100.0 To 9999. %

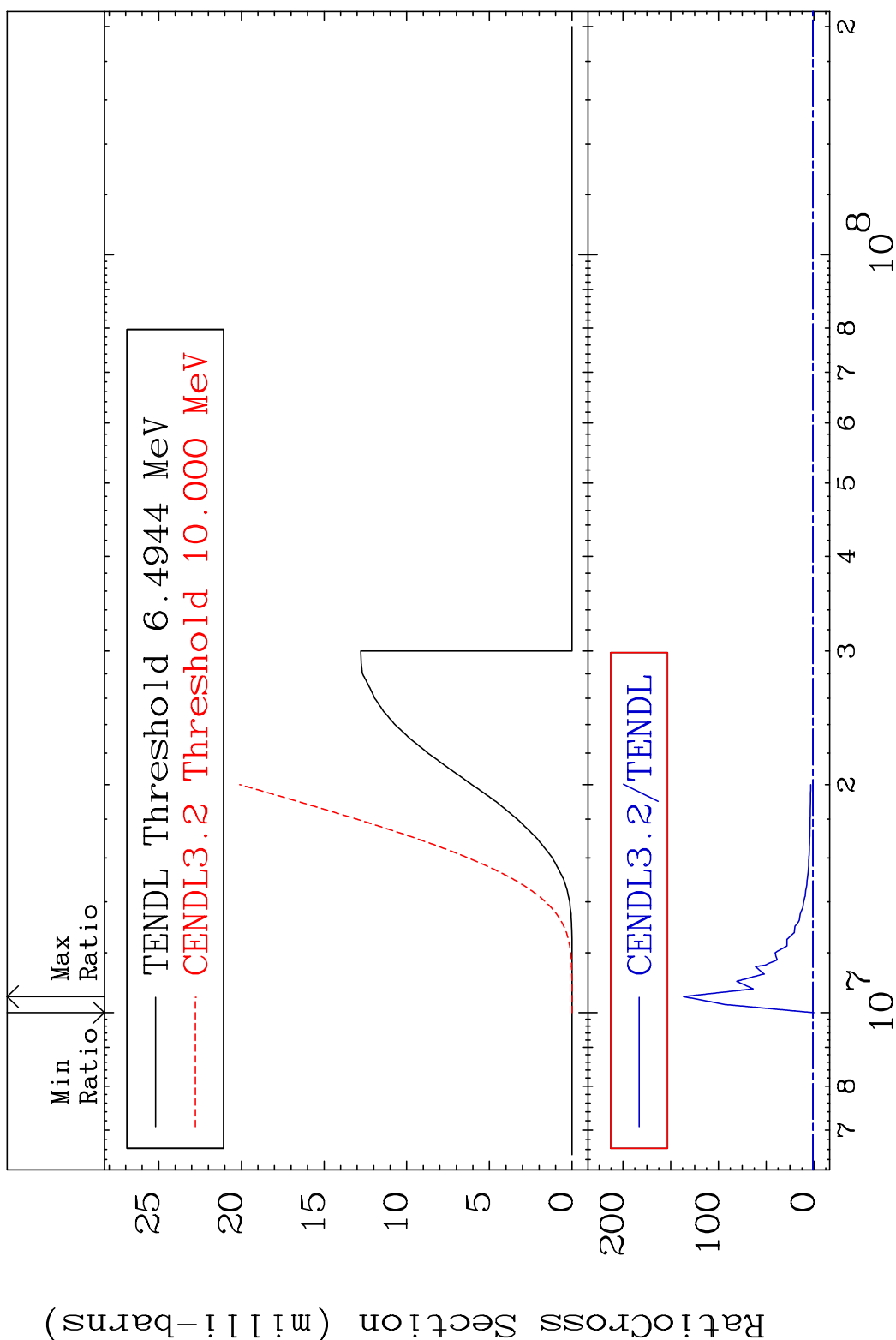


11 Incident Energy (eV) 56-Ba-137



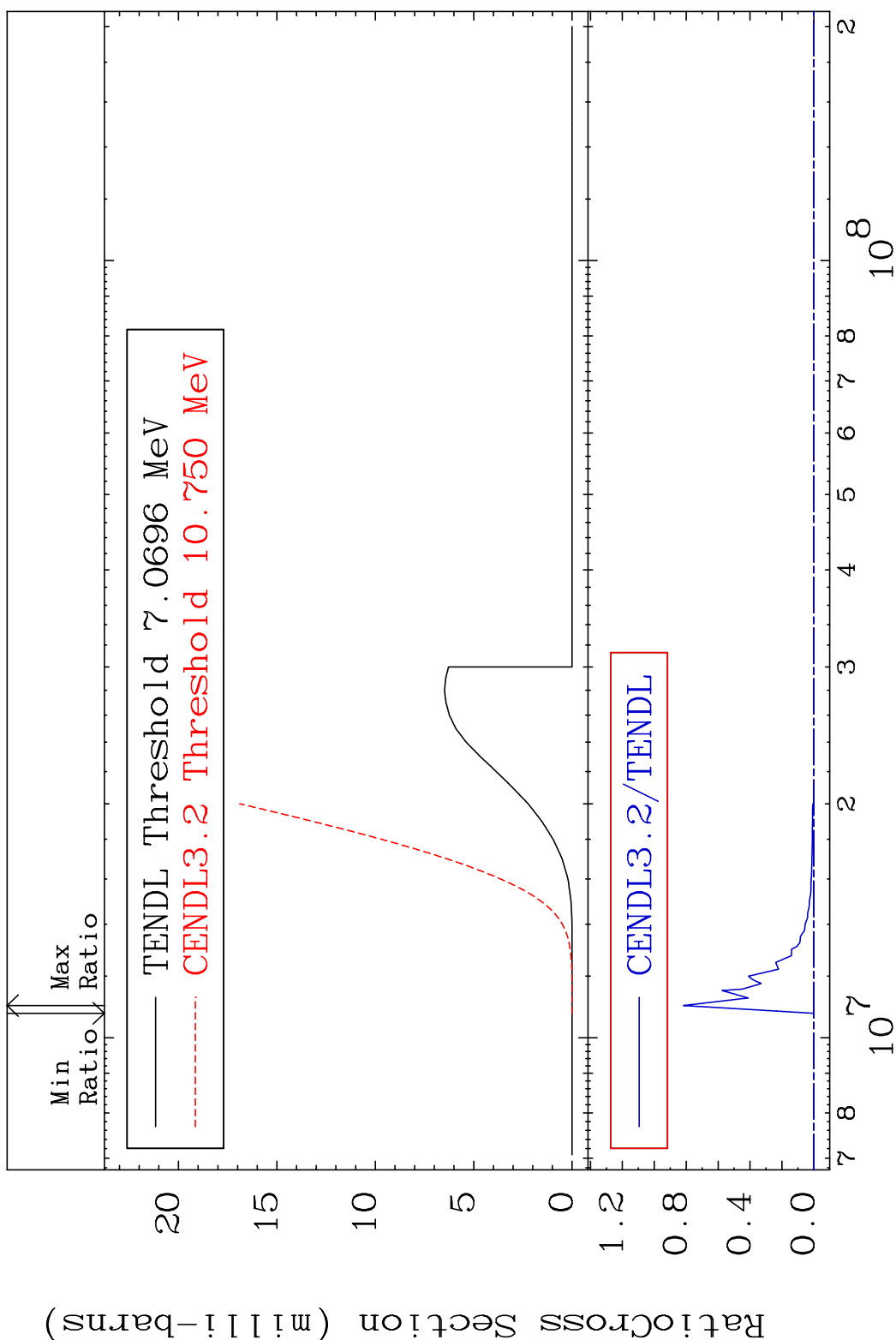
12 56-Ba-137

MAT 5646 (n, d) 56-Ba-137  
 Cross Section -100.0 To 9999. %



13 56-Ba-137

MAT 5646 (n, t) 56-Ba-137  
 Cross Section -100.0 To 9999. %



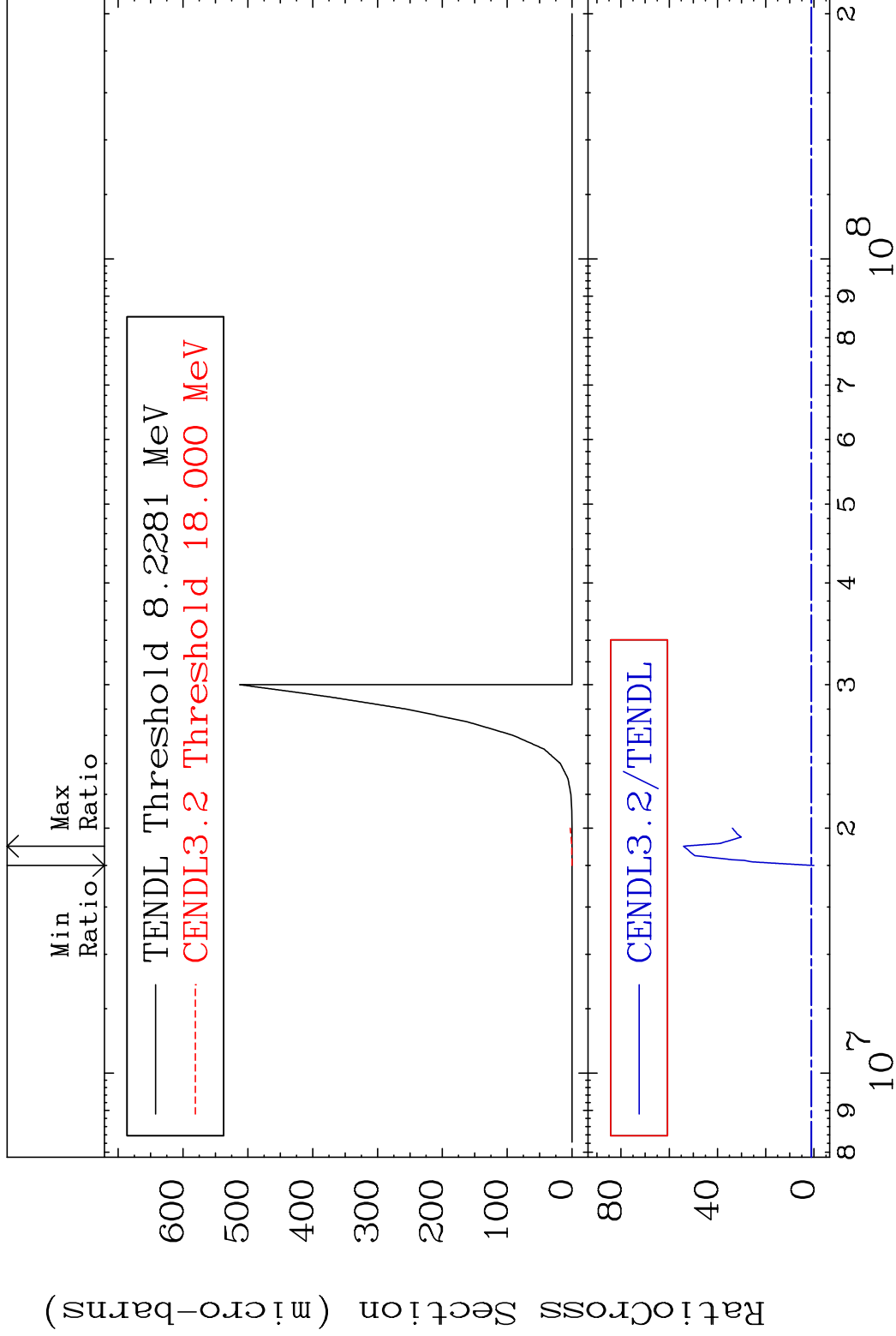
14 56-Ba-137

MAT 5646

(n, He-3)

56-Ba-137

Cross Section -100.0 To 5309. %



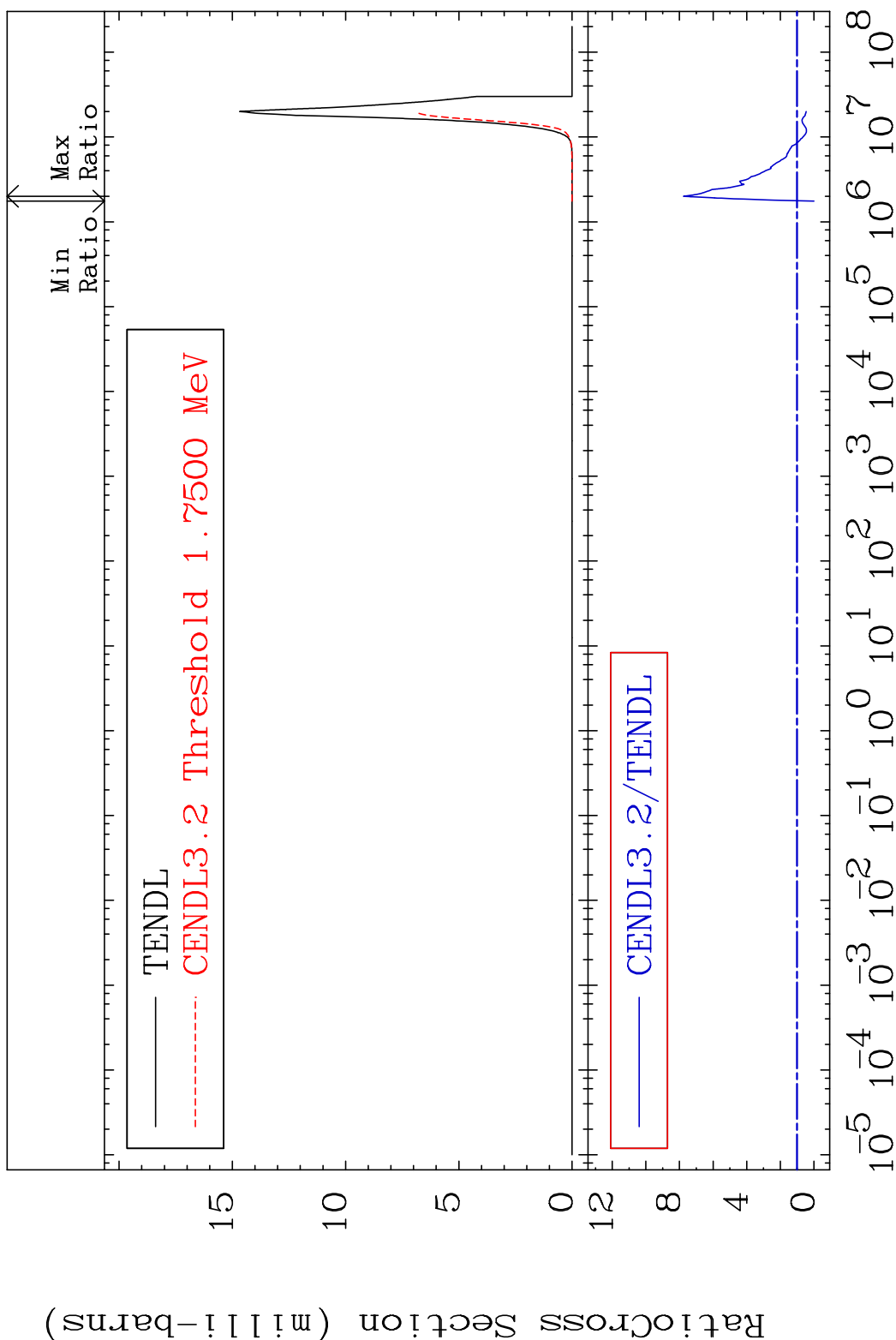
15

Incident Energy (eV)

56-Ba-137

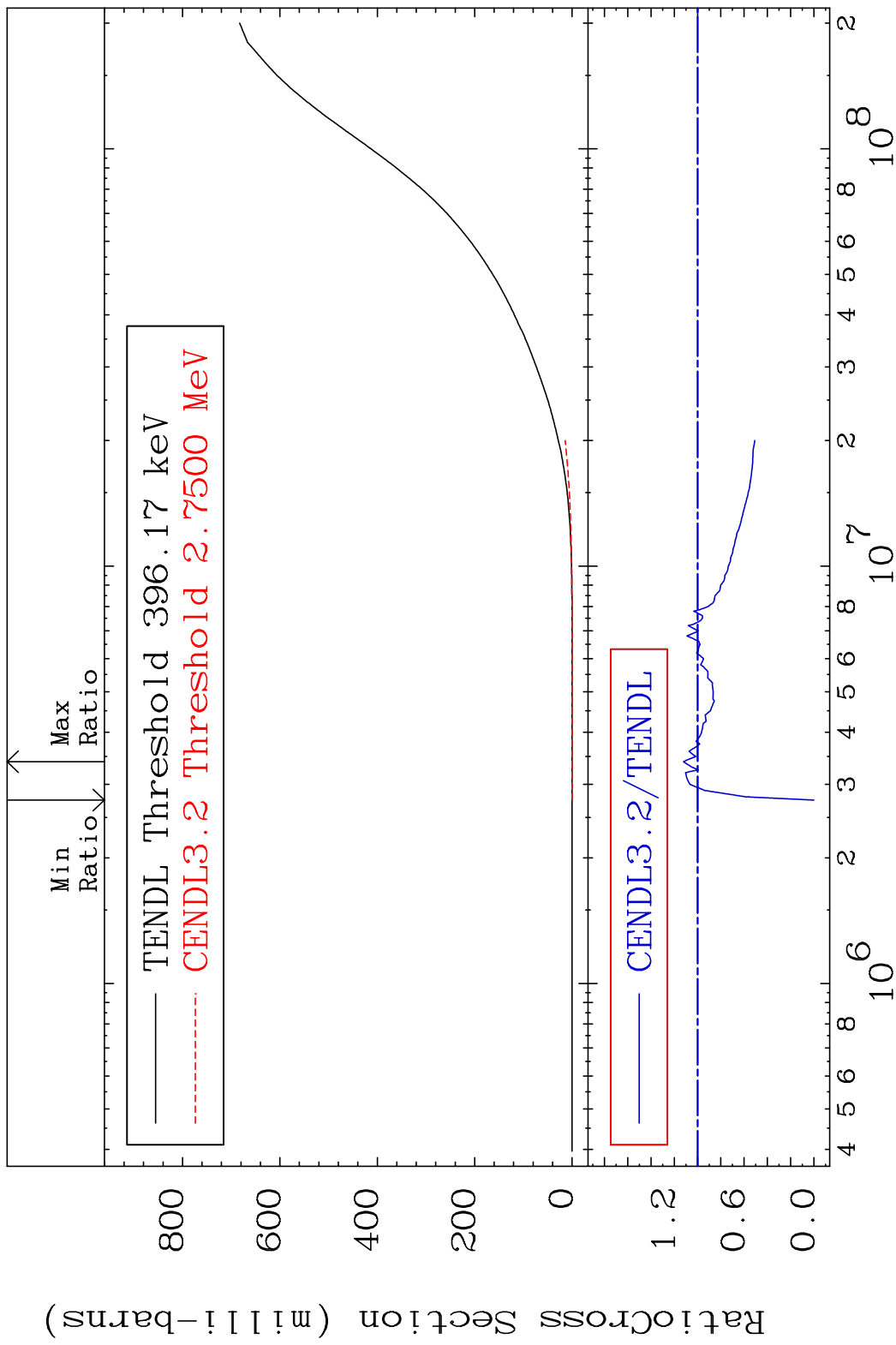


MAT 5646 (n,  $\alpha$ ) 56-Ba-137  
 Cross Section -100.0 To 676.4 %



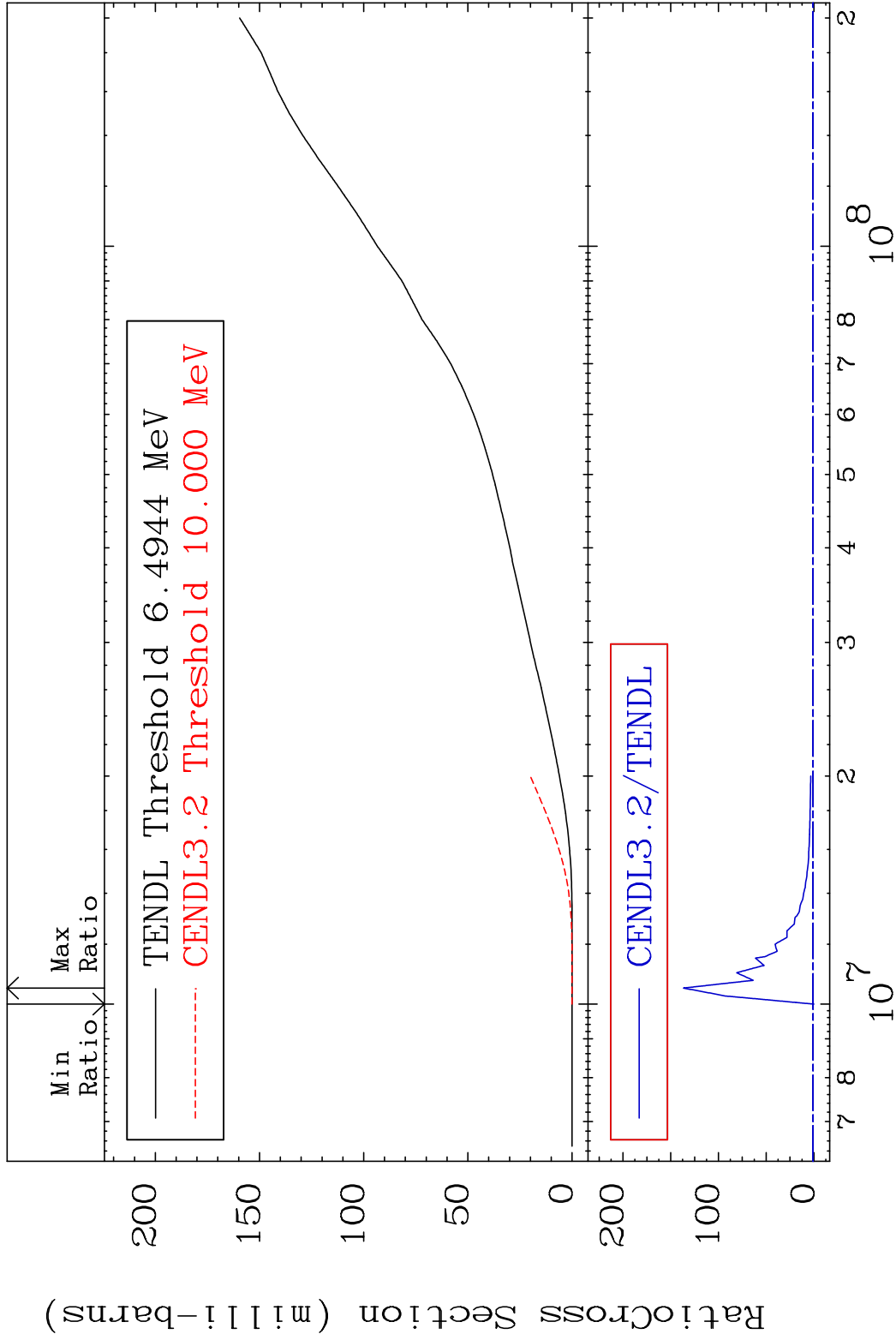
16 Incident Energy (eV) 56-Ba-137

MAT 5646 Hydrogen Production 56-Ba-137  
 Cross Section -100.0 To 12.13 %



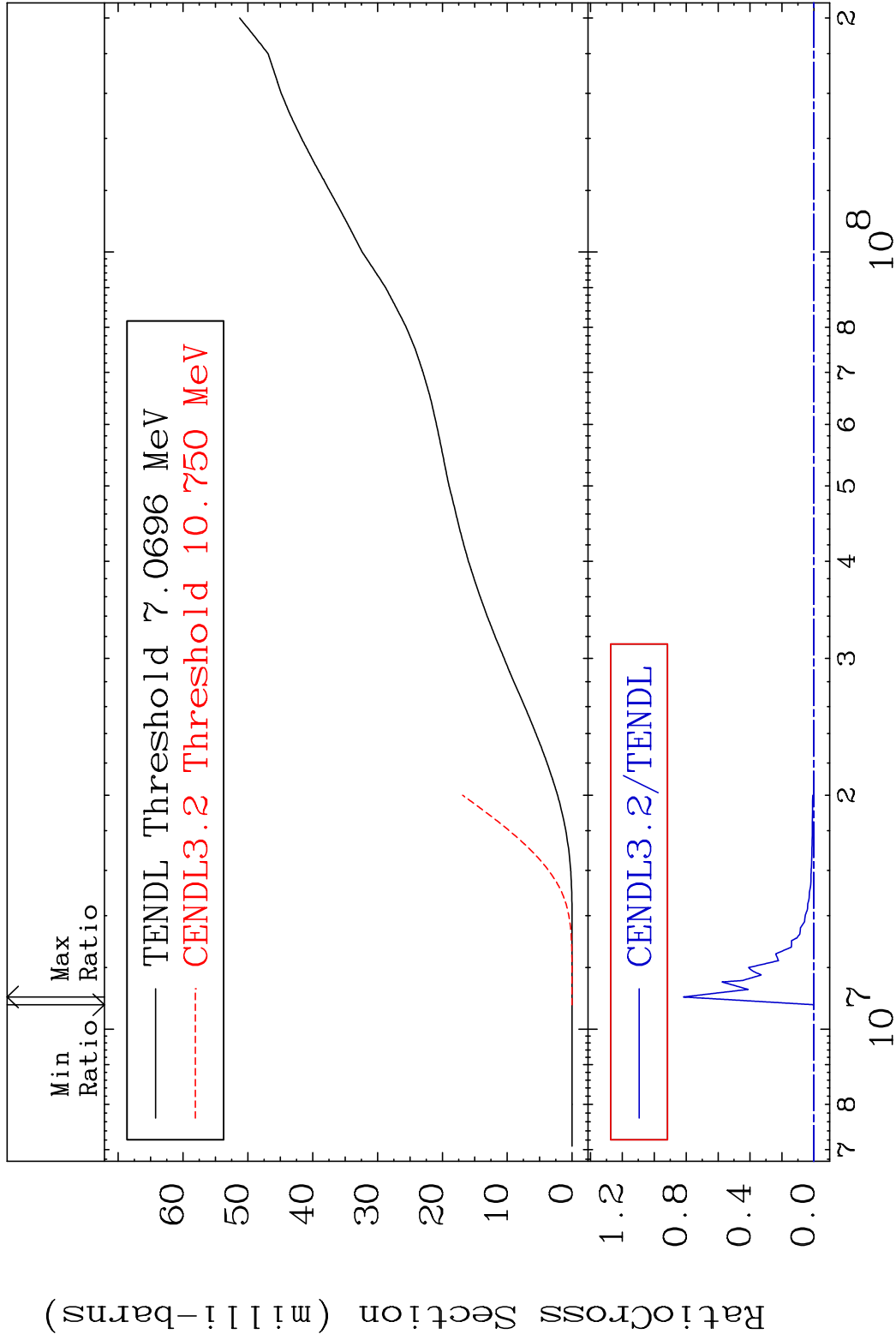
17 56-Ba-137

MAT 5646 Deuterium Production 56-Ba-137  
 Cross Section -100.0 To 9999. %



18 Incident Energy (eV) 56-Ba-137

MAT 5646 Tritium Production 56-Ba-137  
 Cross Section -100.0 To 9999. %



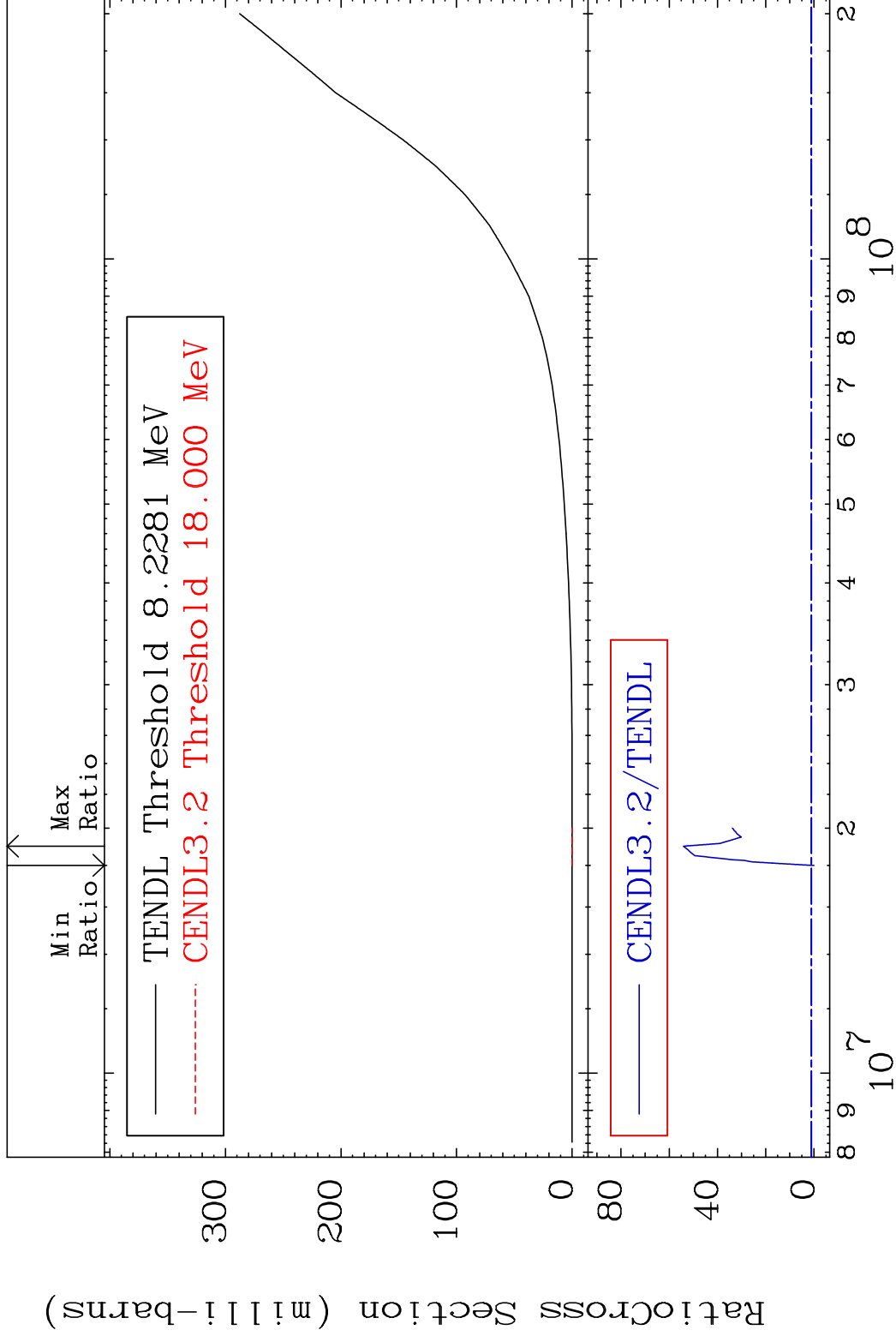
19 Incident Energy (eV) 56-Ba-137

MAT 5646

He-3 Production

56-Ba-137

Cross Section -100.0 To 5309. %



20

Incident Energy (eV)

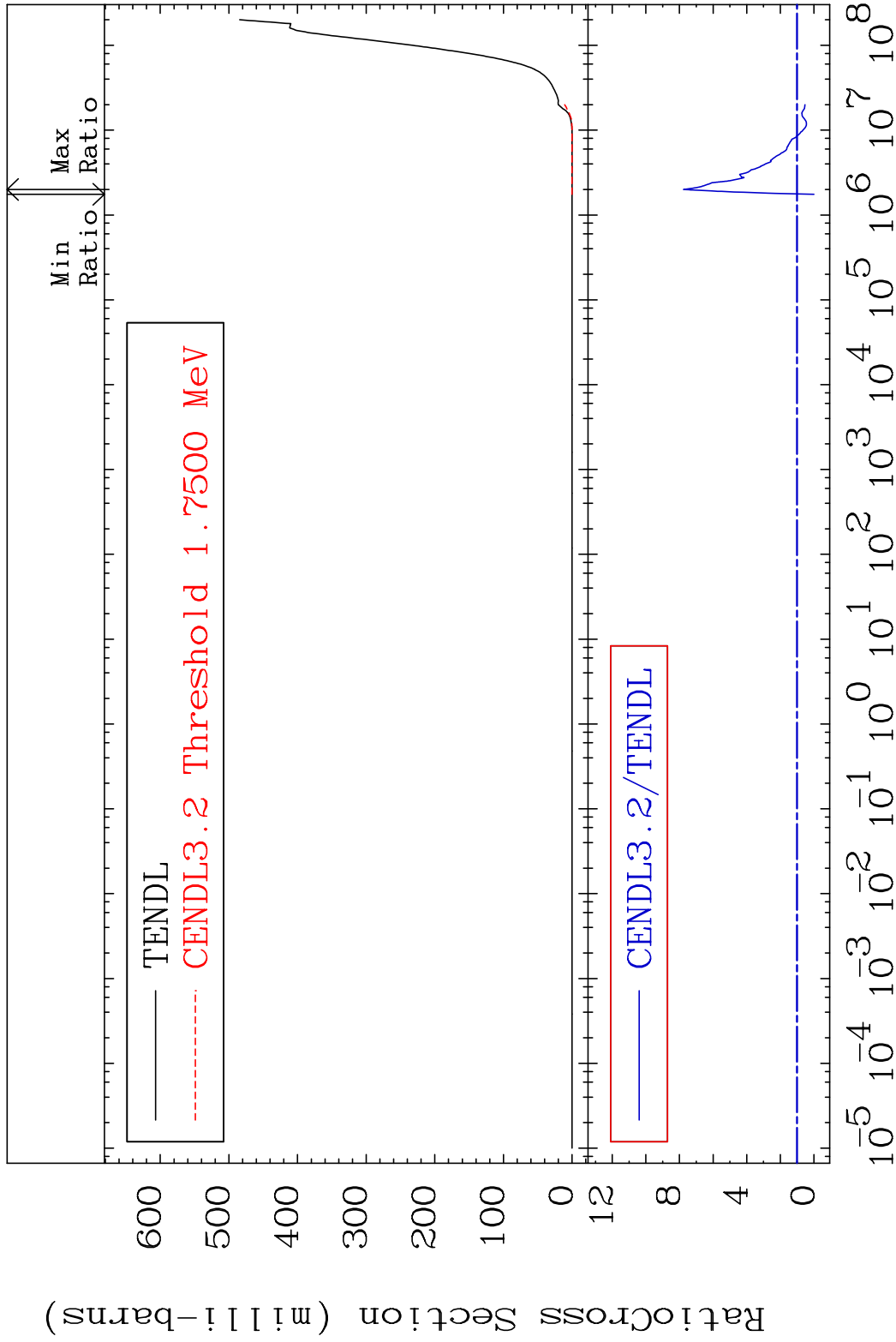
56-Ba-137

MAT 5646

He-4 Production

56-Ba-137

Cross Section -100.0 To 676.4 %

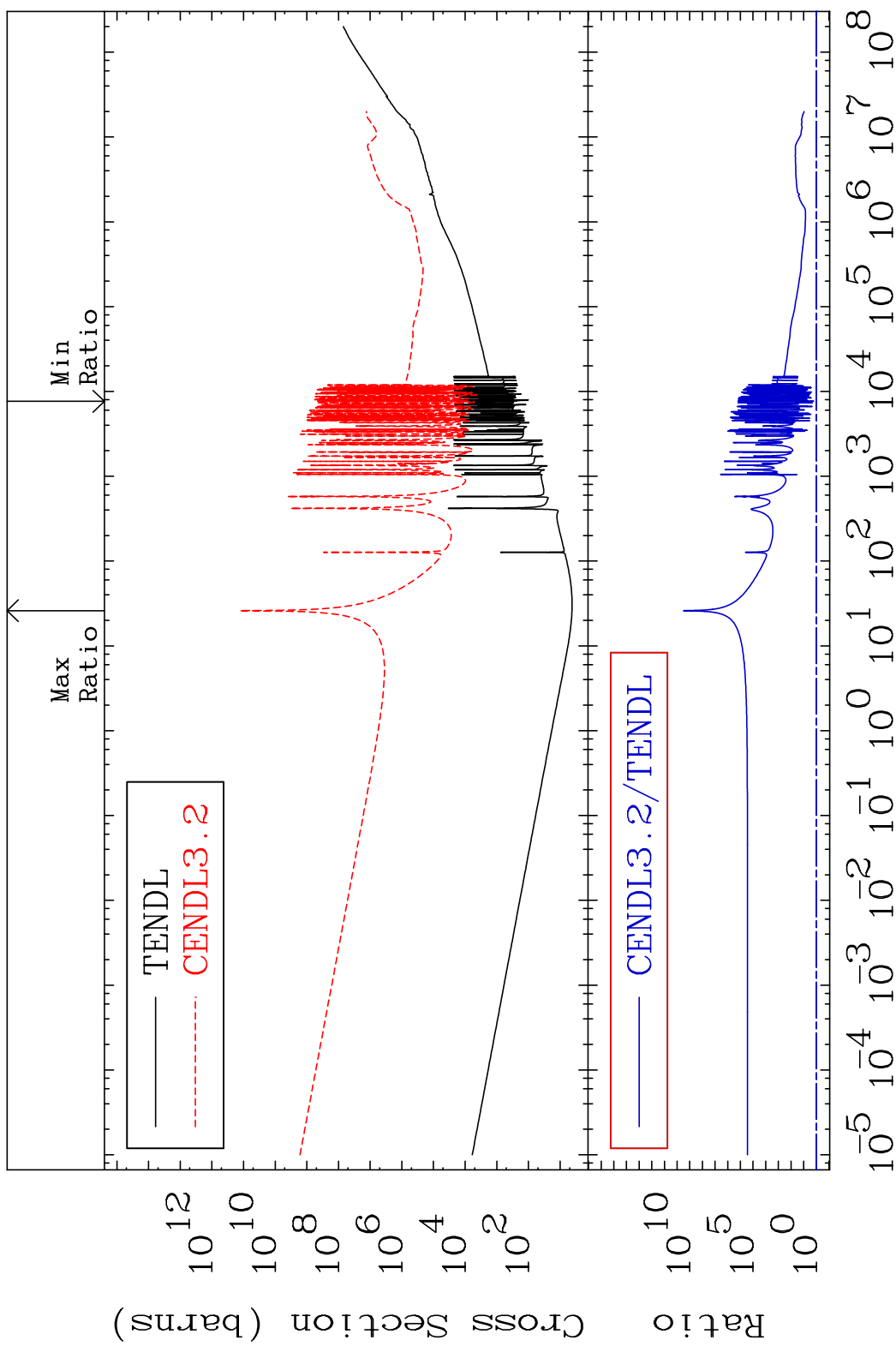


21

Incident Energy (eV)

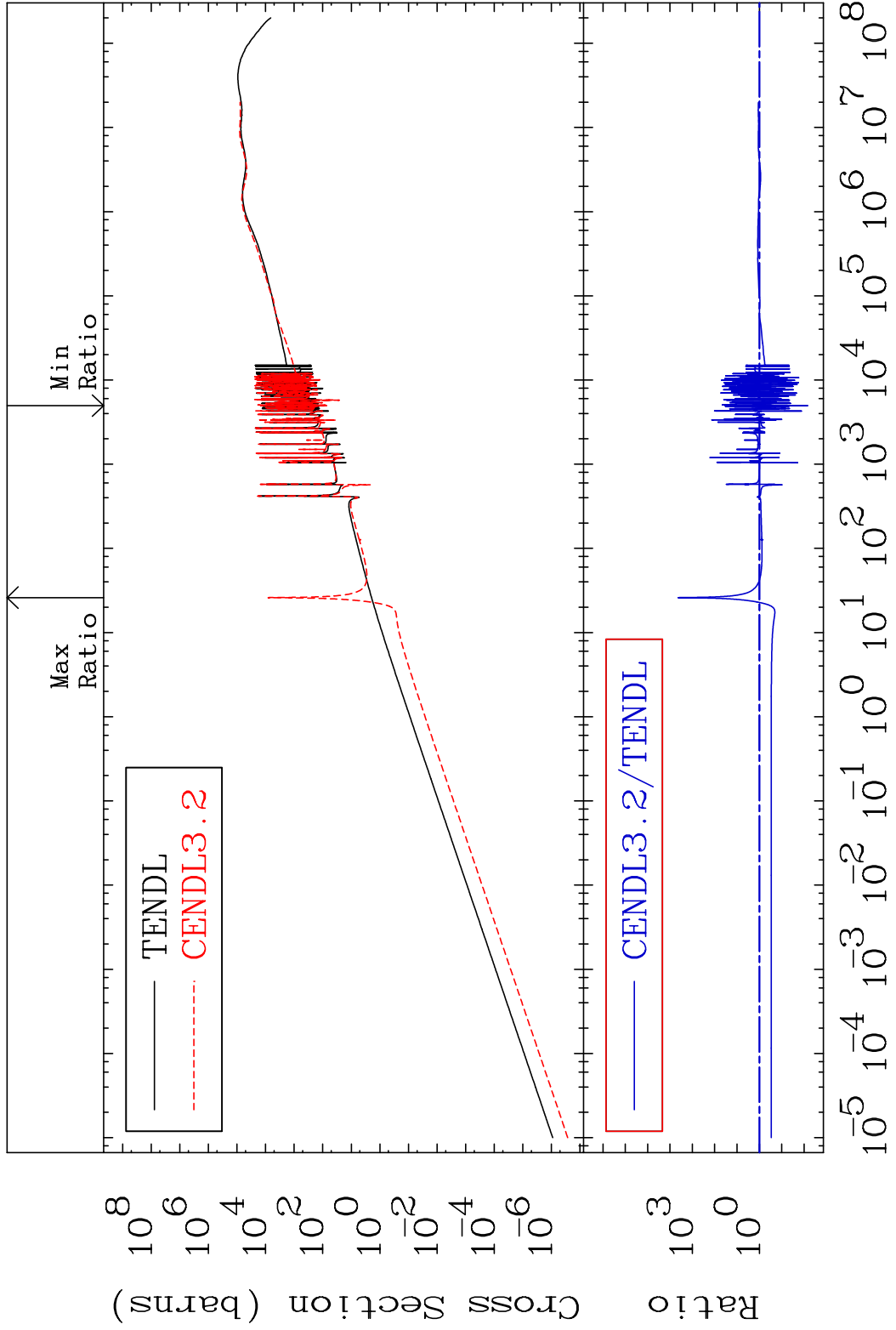
56-Ba-137

MAT 5646 Kerma total (eV-barns) 56-Ba-137  
 Cross Section 56.17 To 9999. %



22 Incident Energy (eV) 56-Ba-137

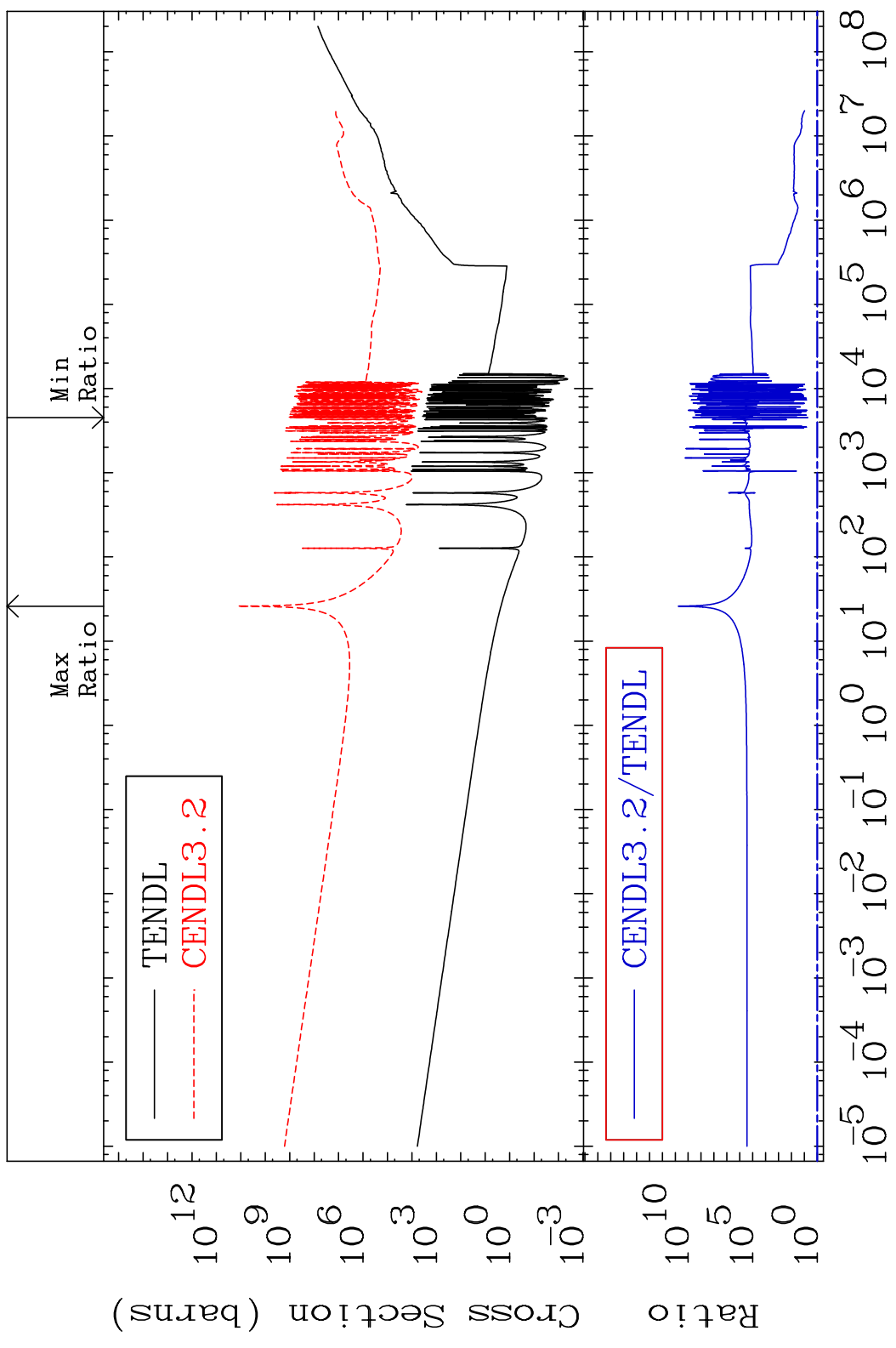
MAT 5646      Kerma elastic      56-Ba-137  
 Cross Section      -99.31 To 9999. %



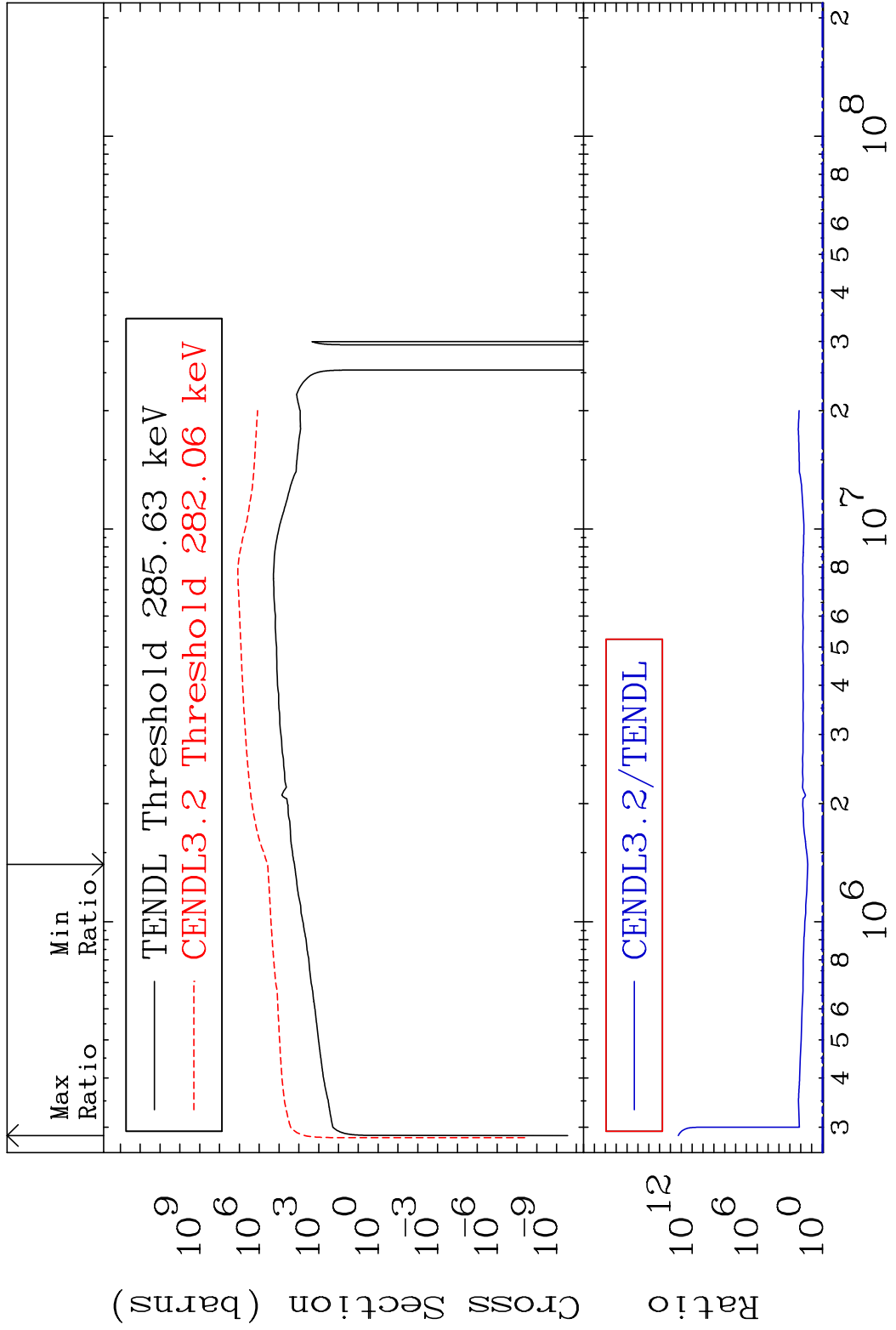
23      Incident Energy (eV)      56-Ba-137



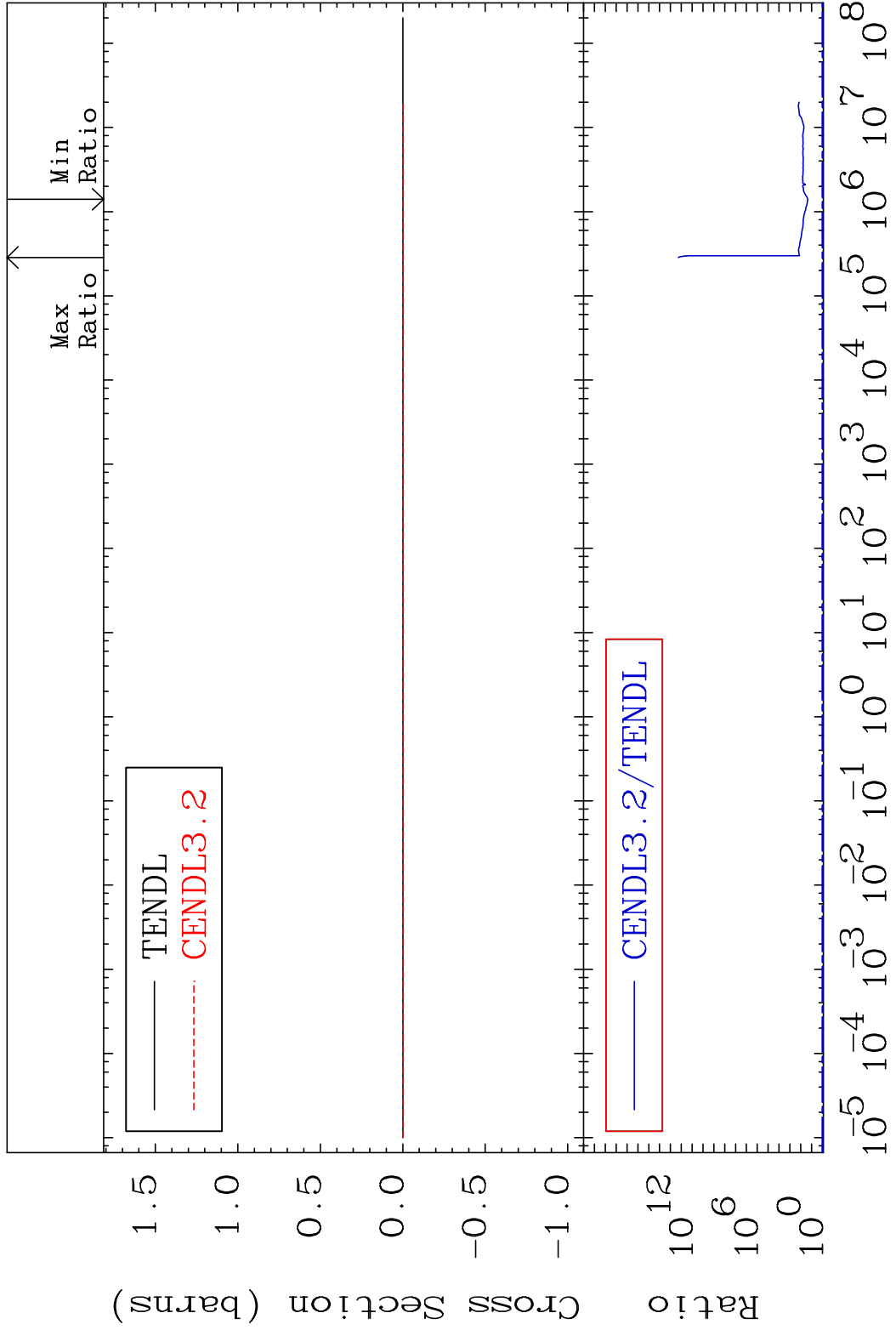
MAT 5646 Kerma non-elastic (all but mt2) 56-Ba-137  
 Cross Section 443.9 To 9999. %



MAT 5646 Kerma inelastic (mt51-91) 56-Ba-137  
 Cross Section 2159. To 9999. %

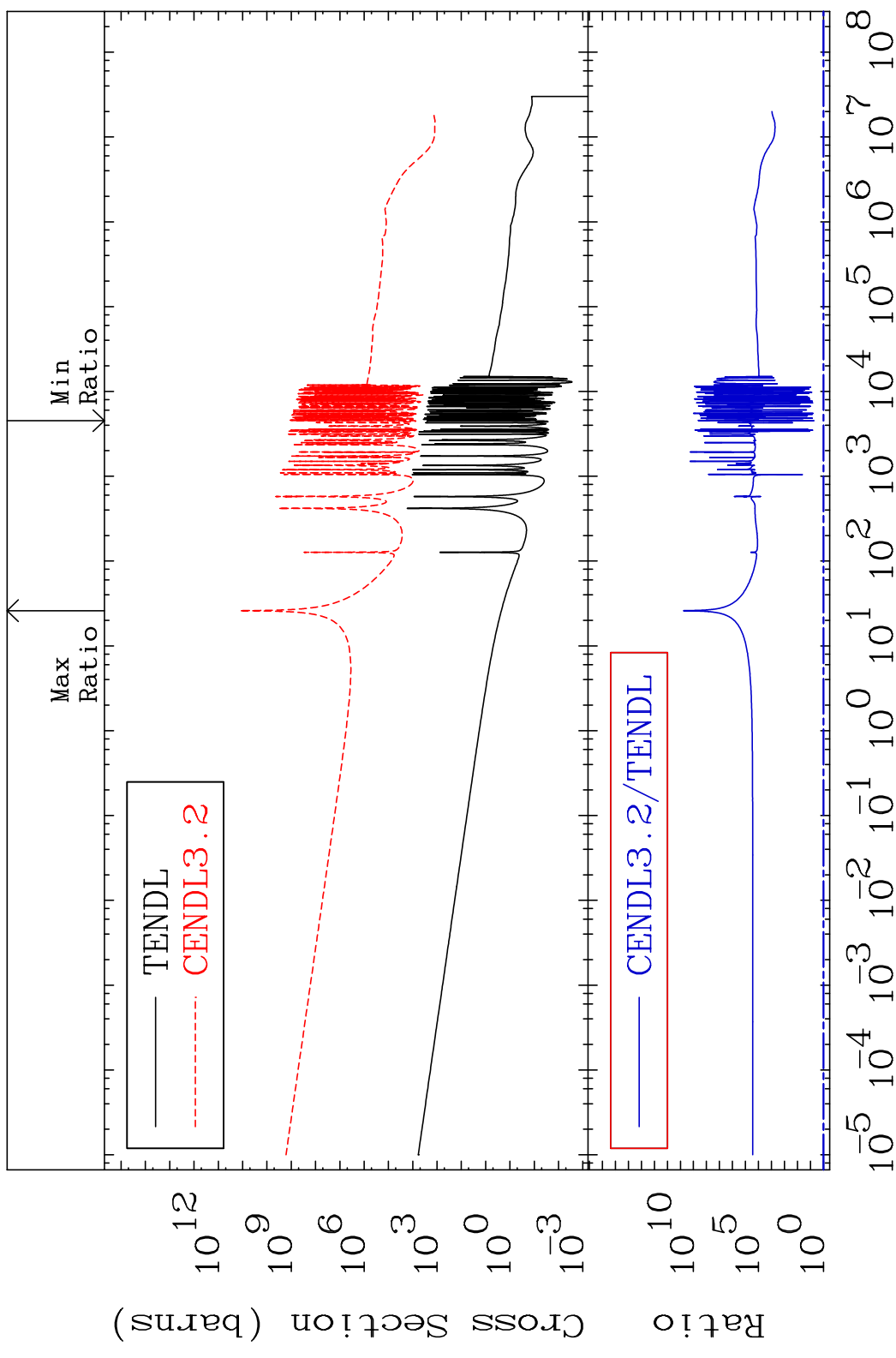


MAT 5646 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-137  
 Cross Section 2159. To 9999. %



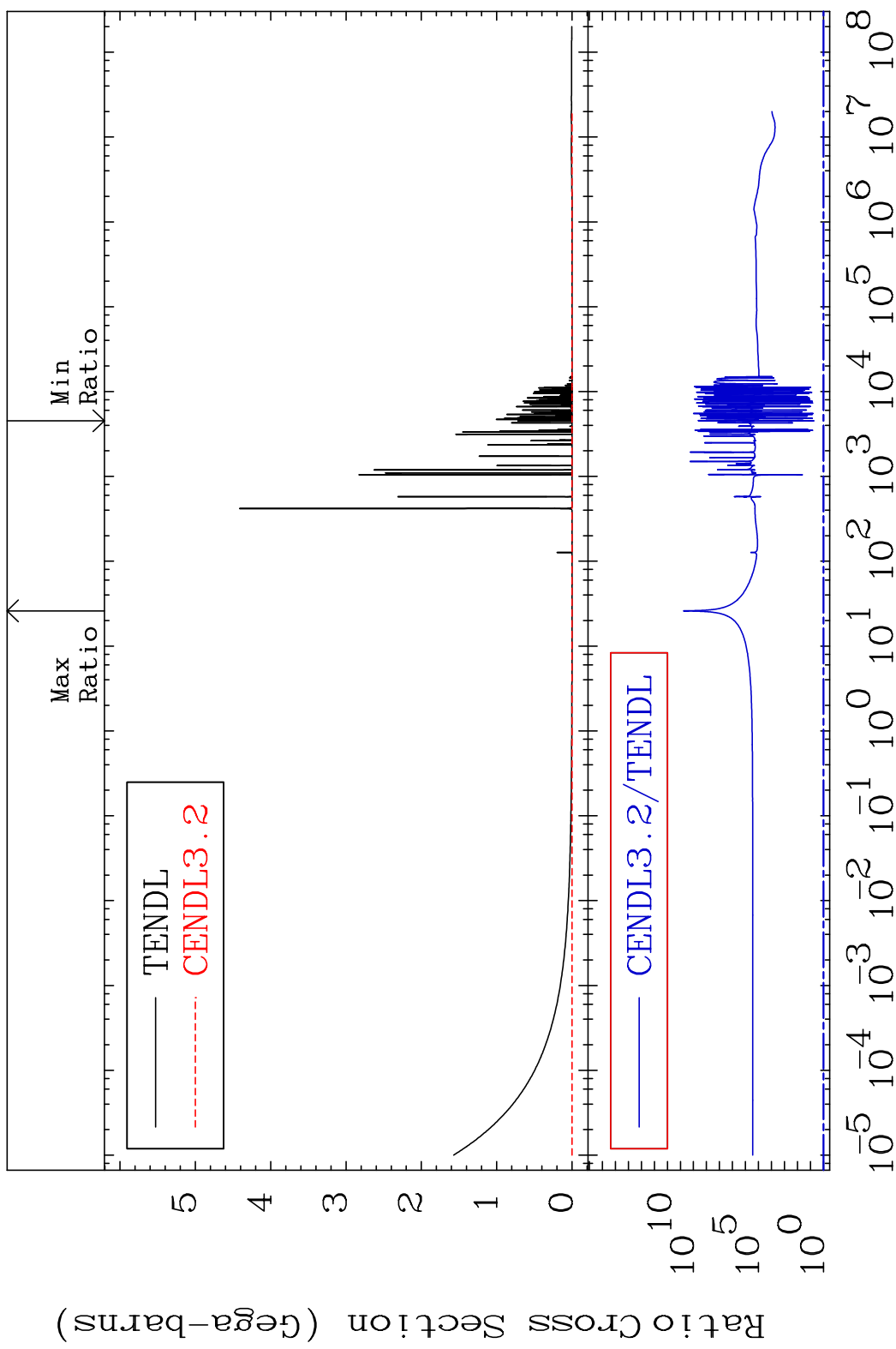
26 Incident Energy (eV) 56-Ba-137

MAT 5646 Kerma capture (mt102) 56-Ba-137  
 Cross Section 443.9 To 9999. %



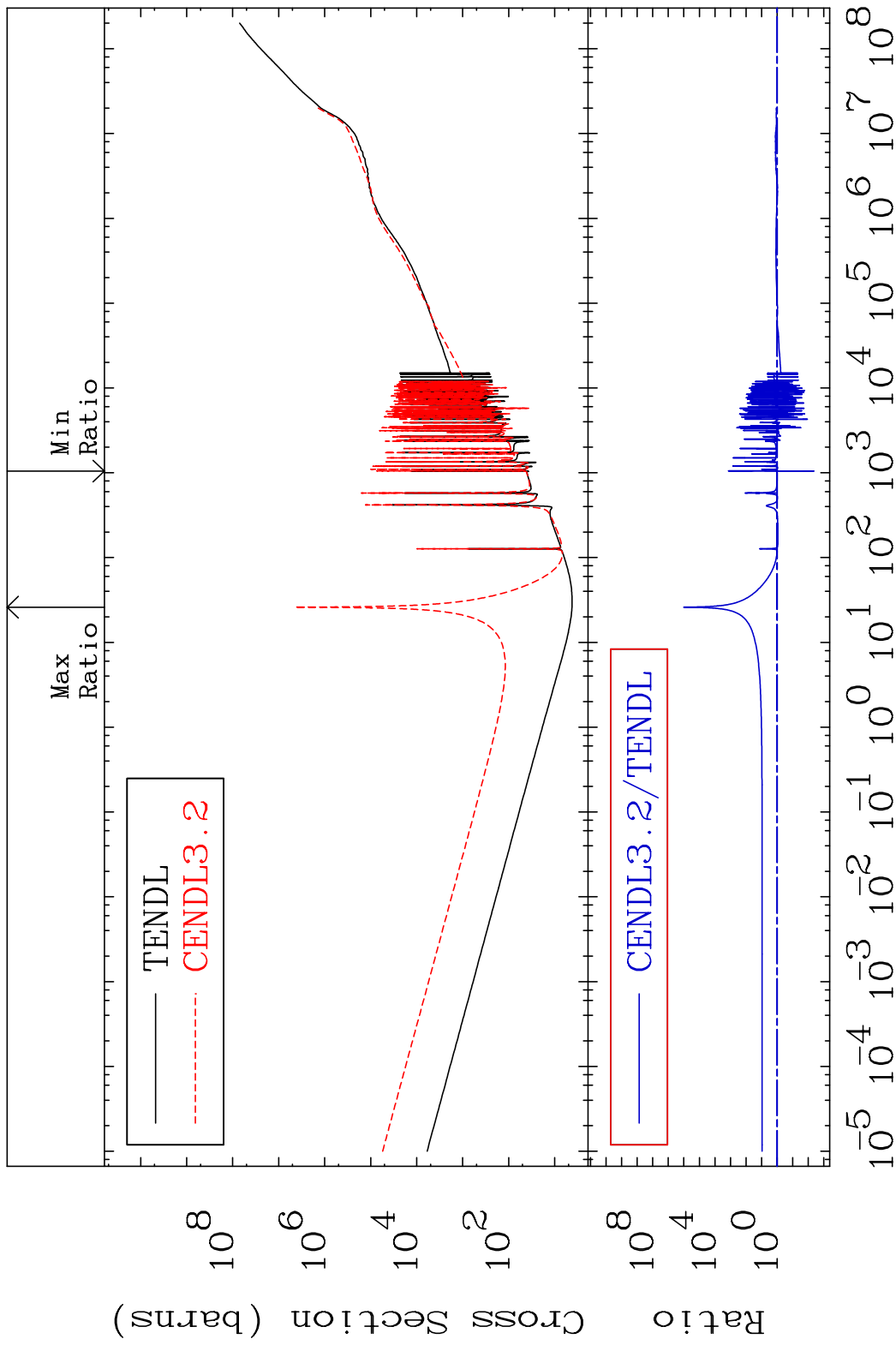
27 Incident Energy (eV) 56-Ba-137

MAT 5646 Total photon (eV-barns) 56-Ba-137  
 Cross Section 443.9 To 9999. %

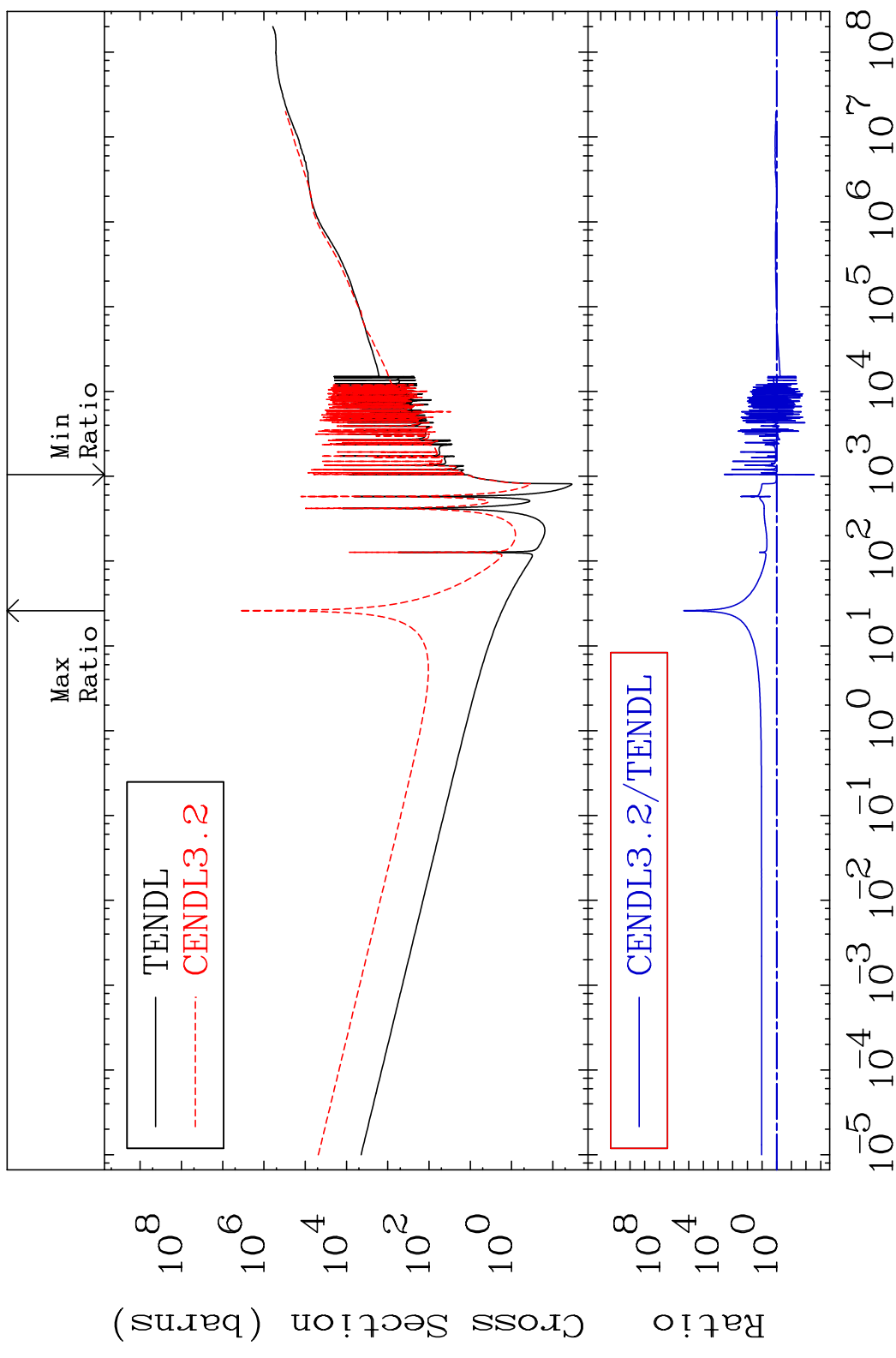


28 Incident Energy (eV) 56-Ba-137

MAT 5646 Total kinematic kerma (high limit) 56-Ba-137  
 Cross Section -99.56 To 9999. %

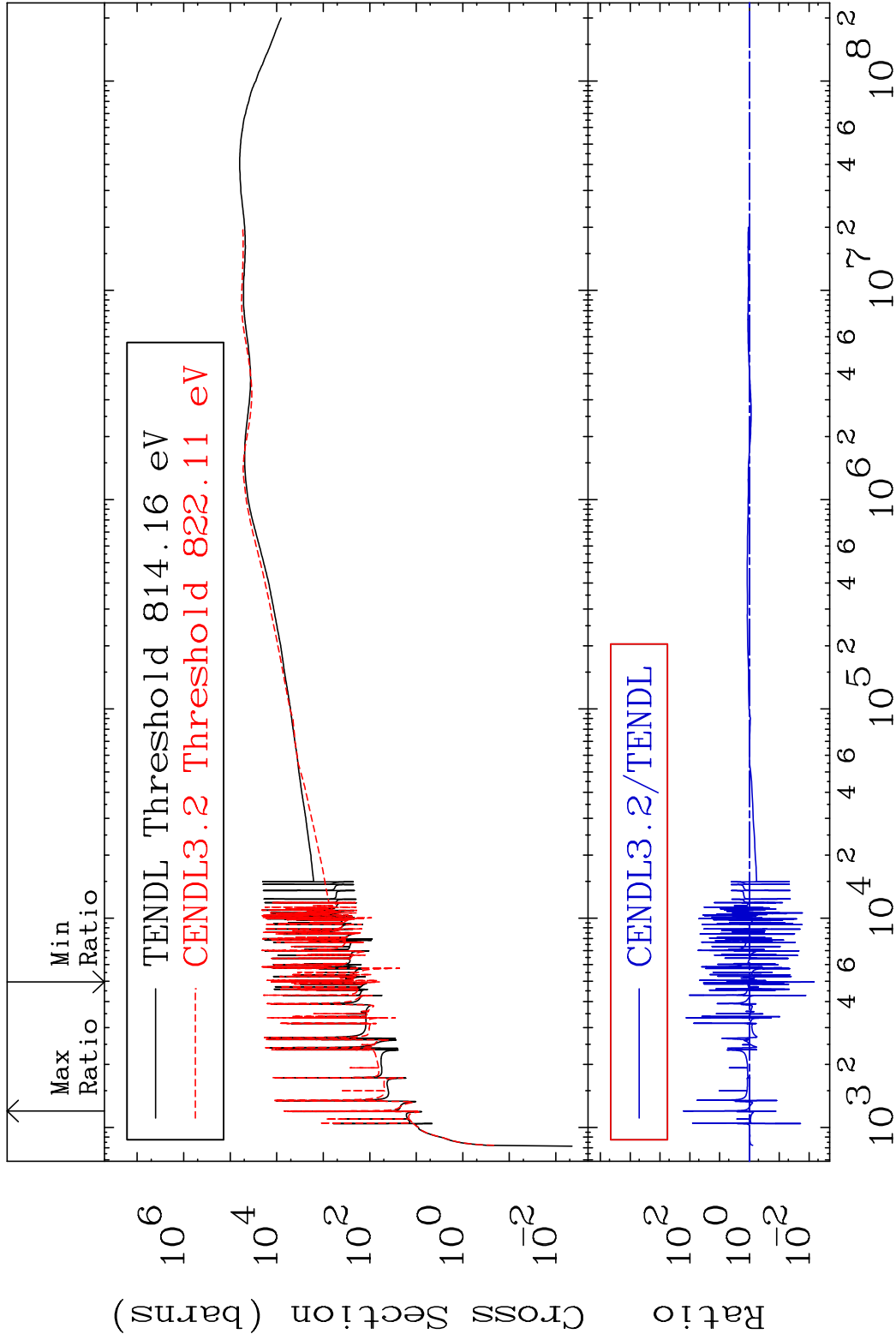


MAT 5646      Dpa total (eV-barns)      56-Ba-137  
 Cross Section      -99.71 To 9999. %



30      Incident Energy (eV)      56-Ba-137

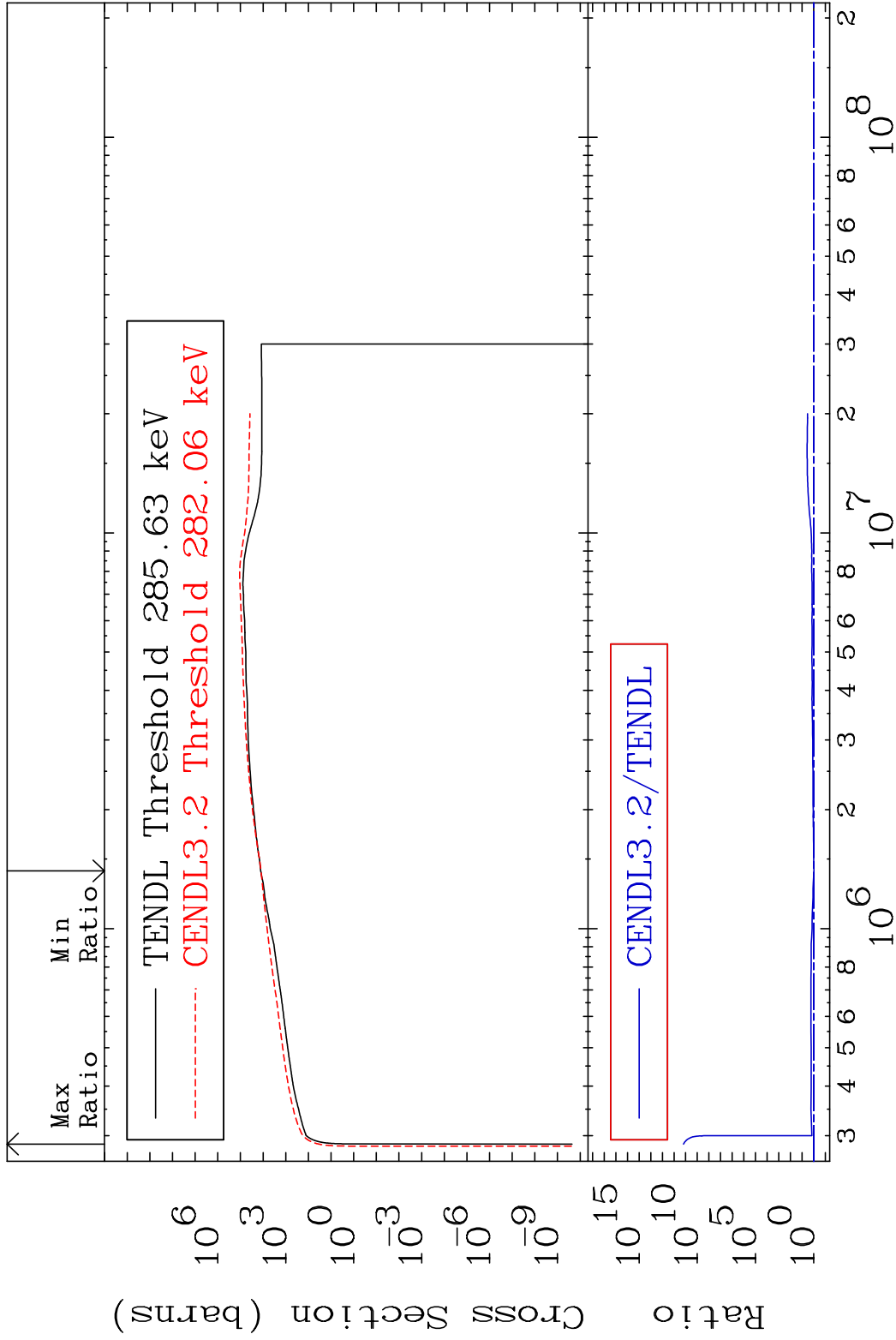
MAT 5646 Dpa elastic (mt2) 56-Ba-137  
 Cross Section -99.31 To 9999. %



31 Incident Energy (eV) 56-Ba-137

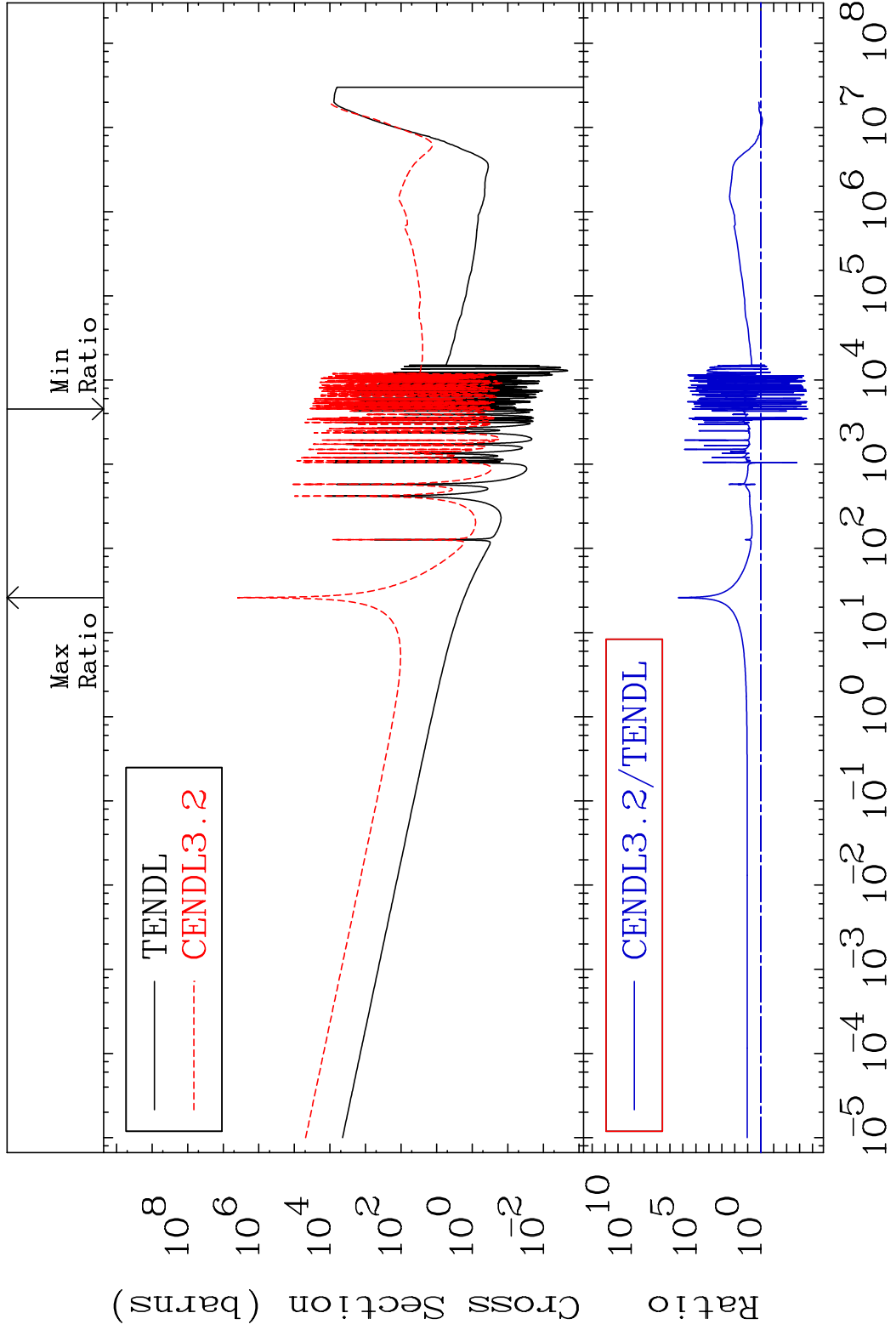


MAT 5646 Dpa inelastic (mt51-91) 56-Ba-137  
 Cross Section -4.134 To 9999. %



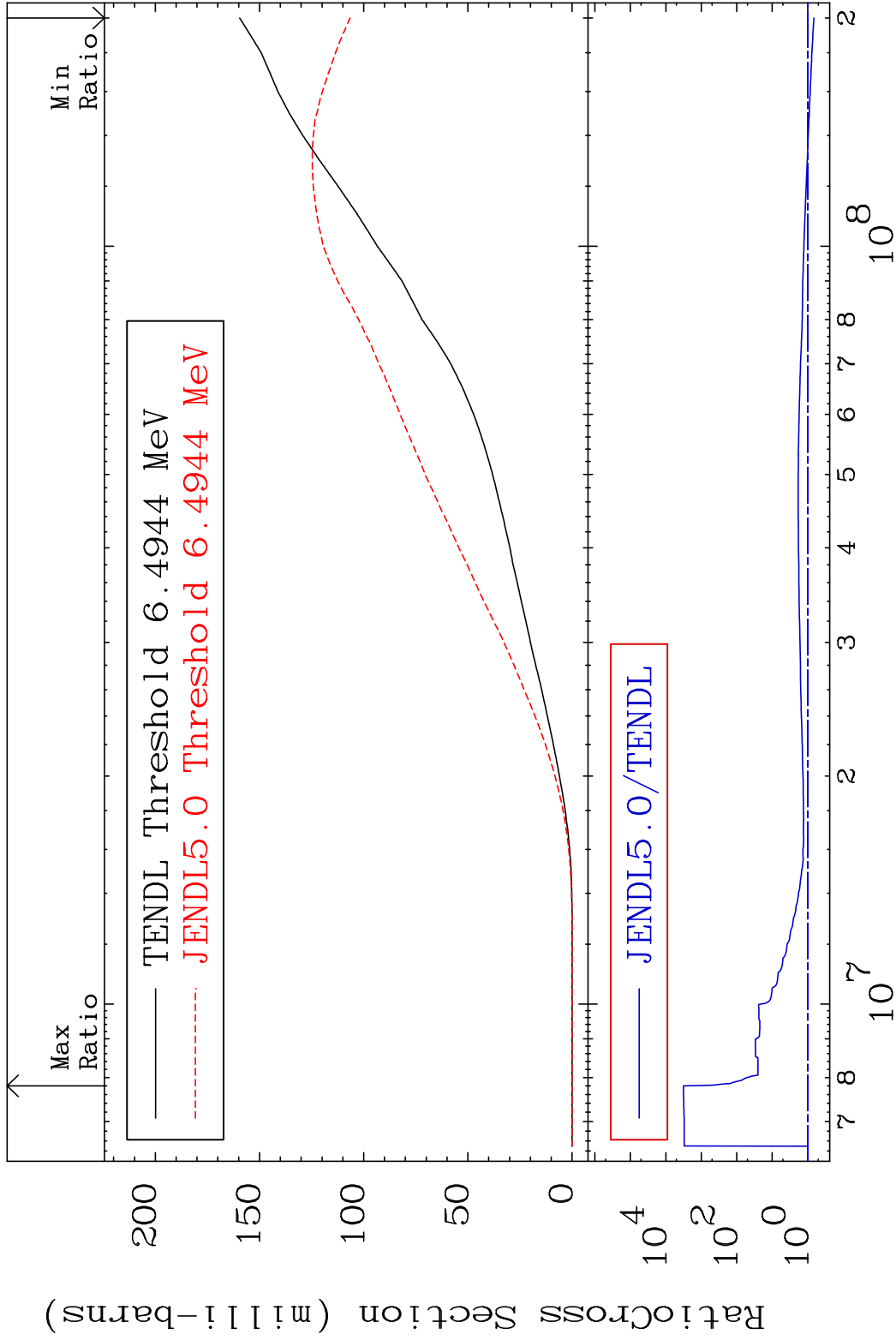
32 Incident Energy (eV) 56-Ba-137

MAT 5646 Dpa disappearance (mt102 -120) 56-Ba-137  
 Cross Section -99.98 To 9999. %

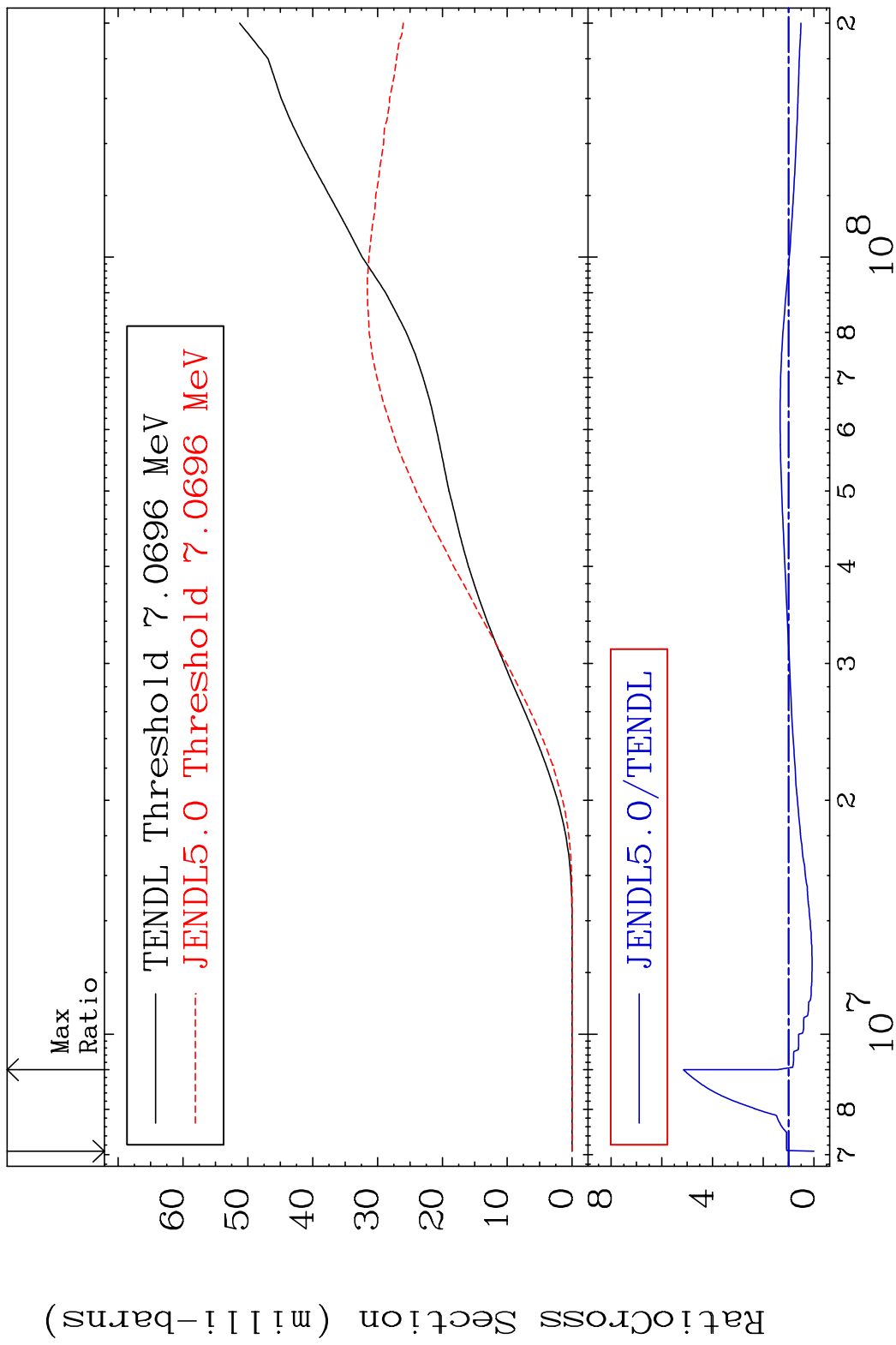


33 Incident Energy (eV) 56-Ba-137

MAT 5646 Deuterium Production 56-Ba-137  
 Cross Section -33.16 To 9999. %

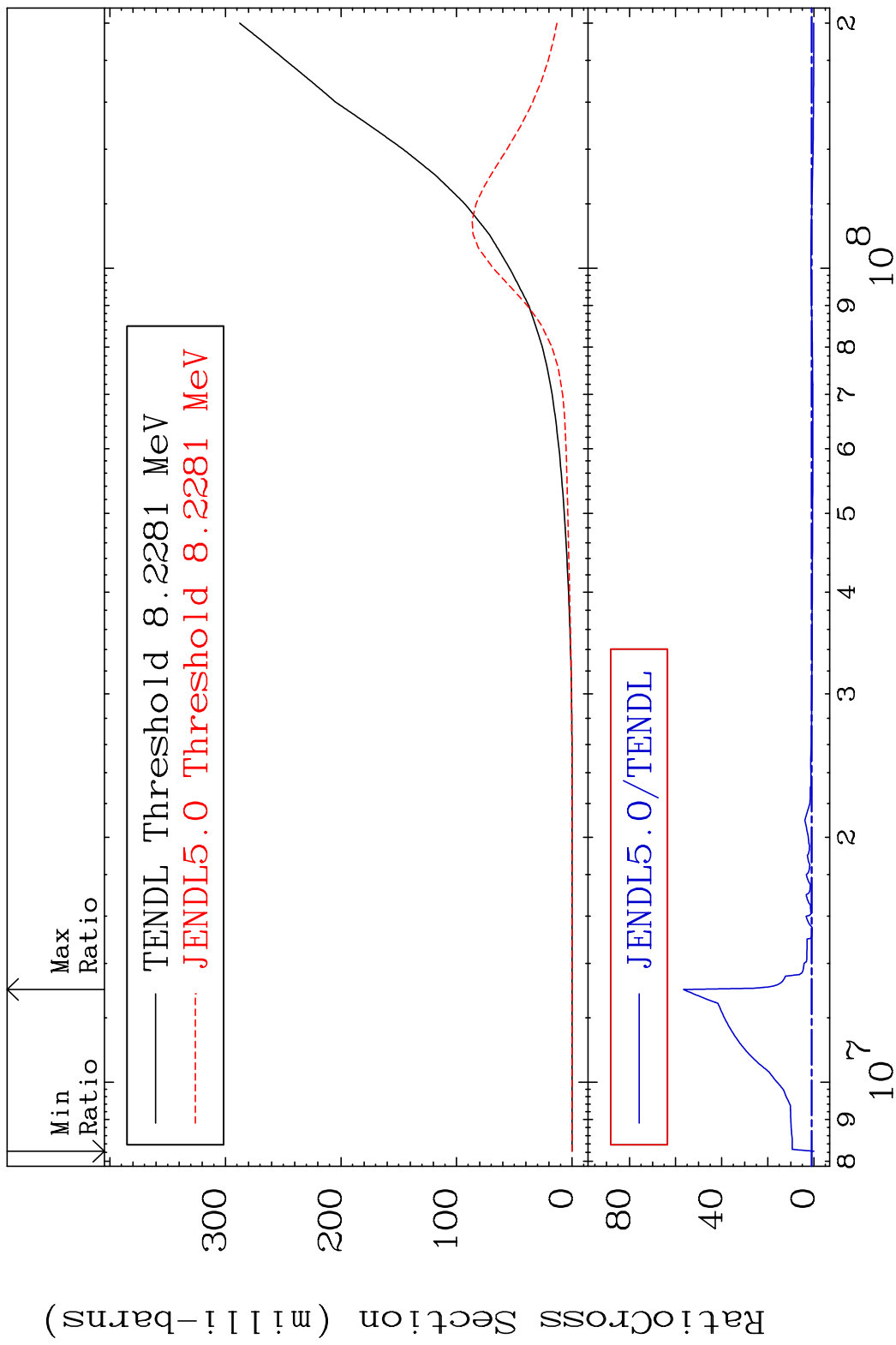


MAT 5646 Tritium Production 56-Ba-137  
 Cross Section -100.0 To 414.5 %



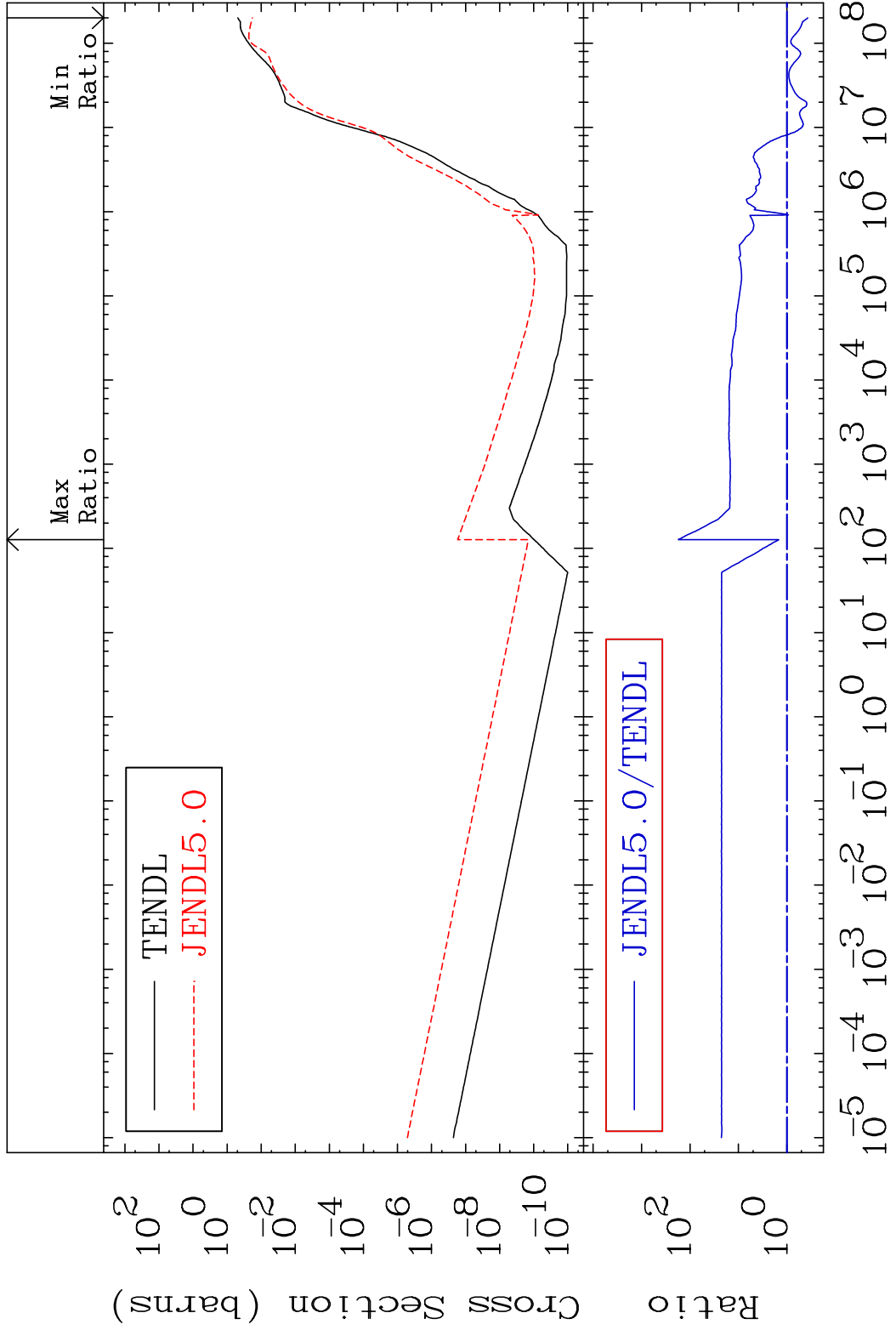
35 56-Ba-137

MAT 5646 He-3 Production 56-Ba-137  
Cross Section -100.0 To 5559. %



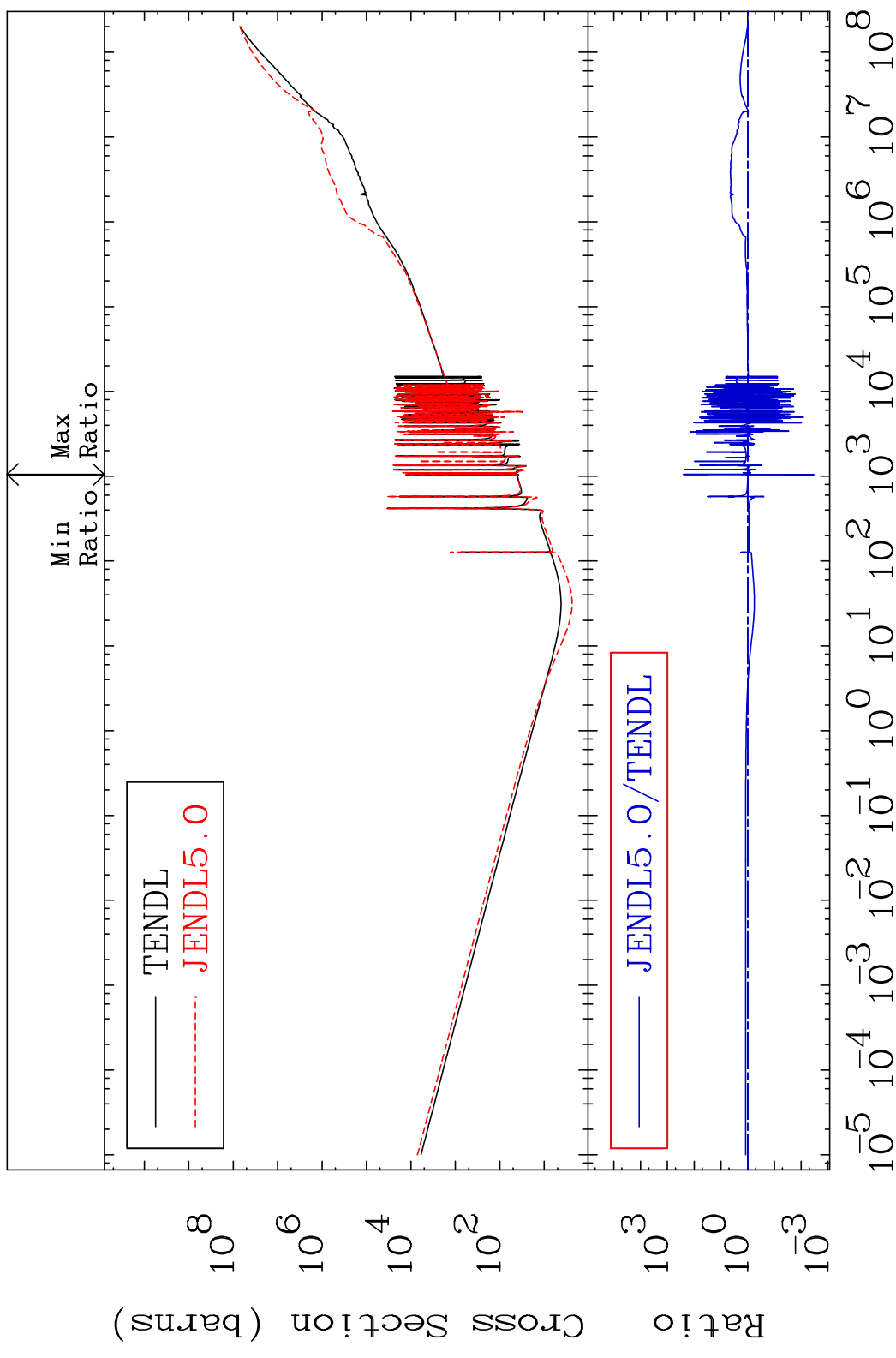
36 56-Ba-137

MAT 5646 He-4 Production 56-Ba-137  
 Cross Section -62.77 To 9999. %



37 Incident Energy (eV) 56-Ba-137

MAT 5646 Kerma total (eV-barns) 56-Ba-137  
 Cross Section -99.66 To 9999. %

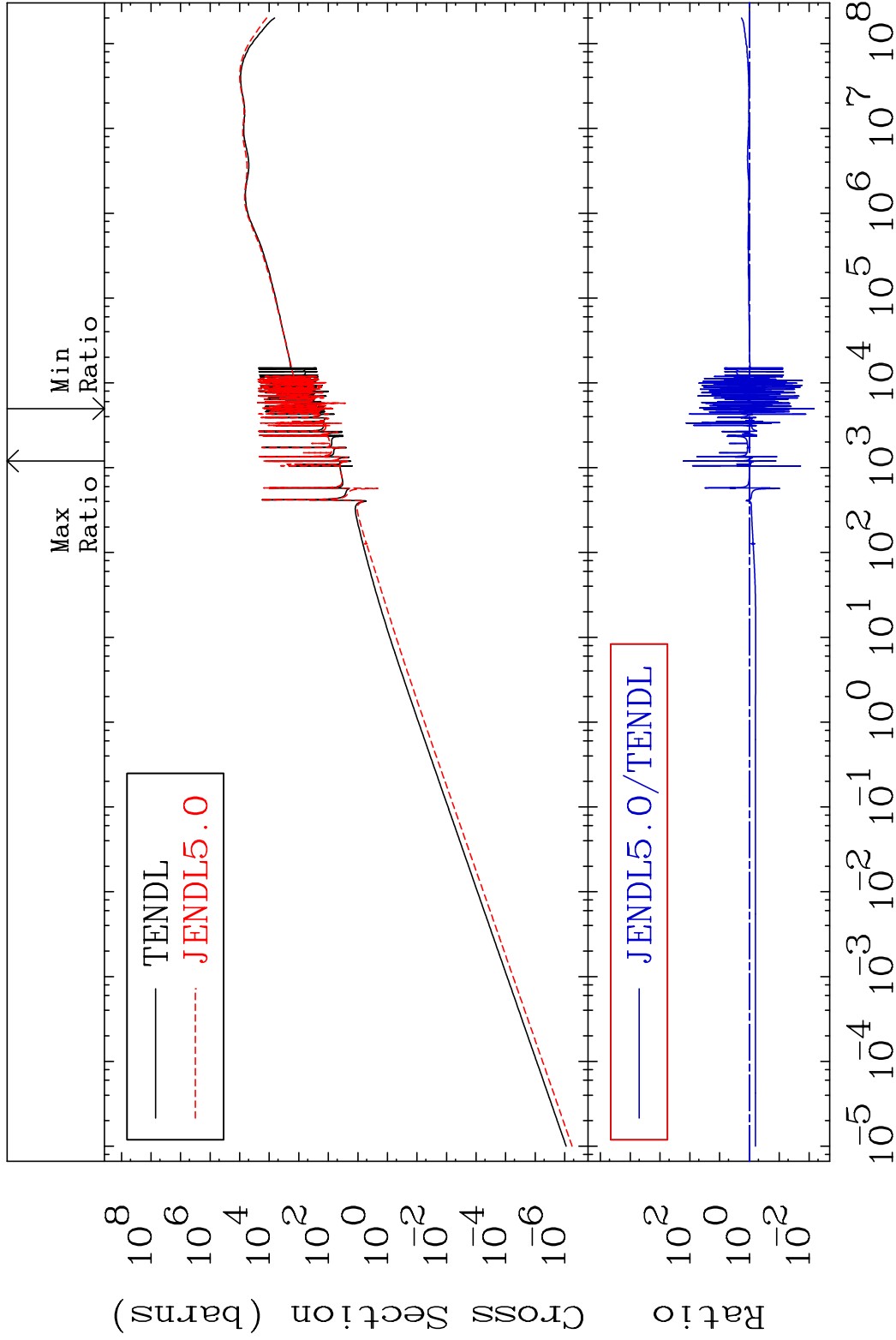


38 Incident Energy (eV) 56-Ba-137

MAT 5646

Kerma elastic  
Cross Section

56-Ba-137  
-99.31 To 9999. %



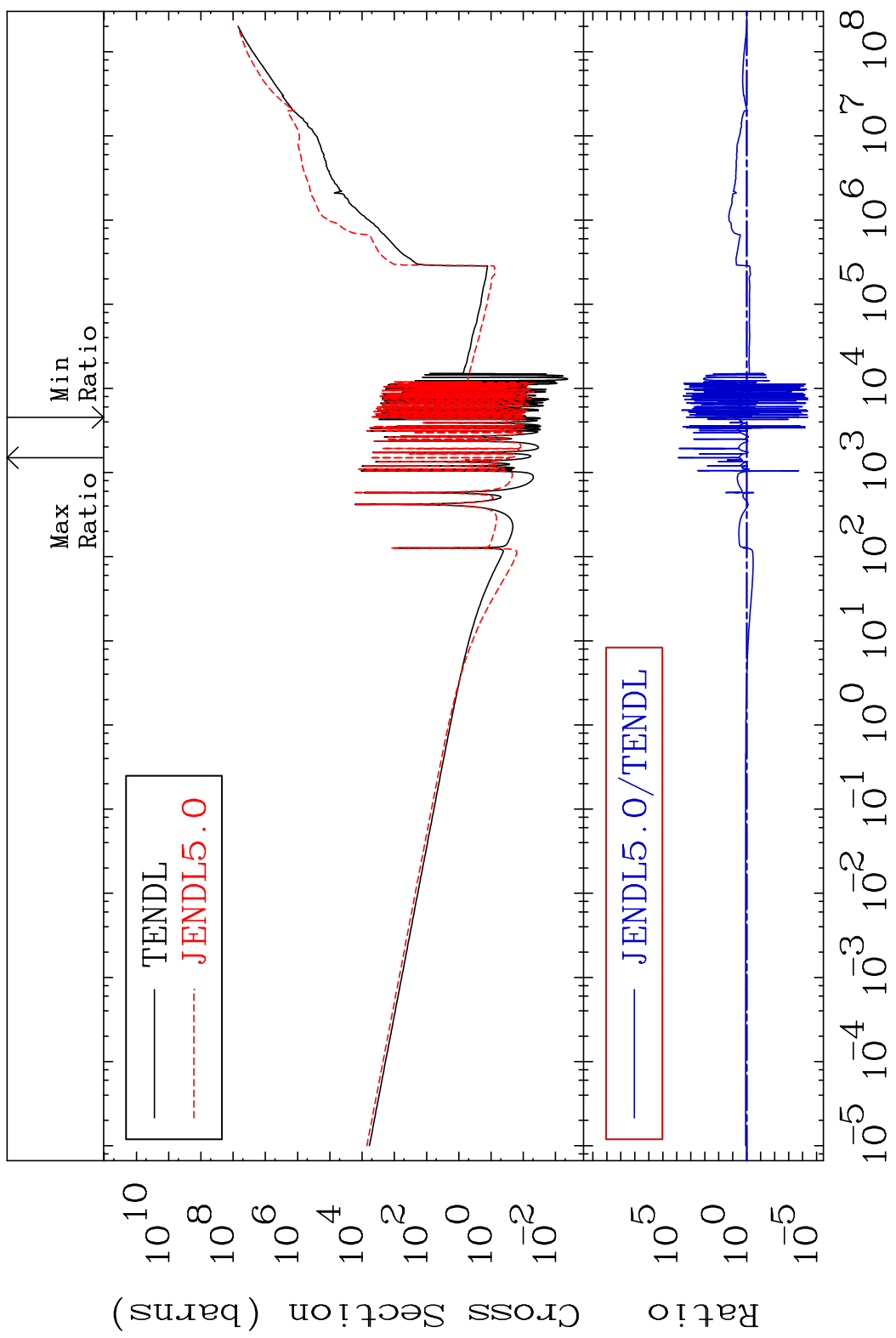
39

Incident Energy (eV)

56-Ba-137

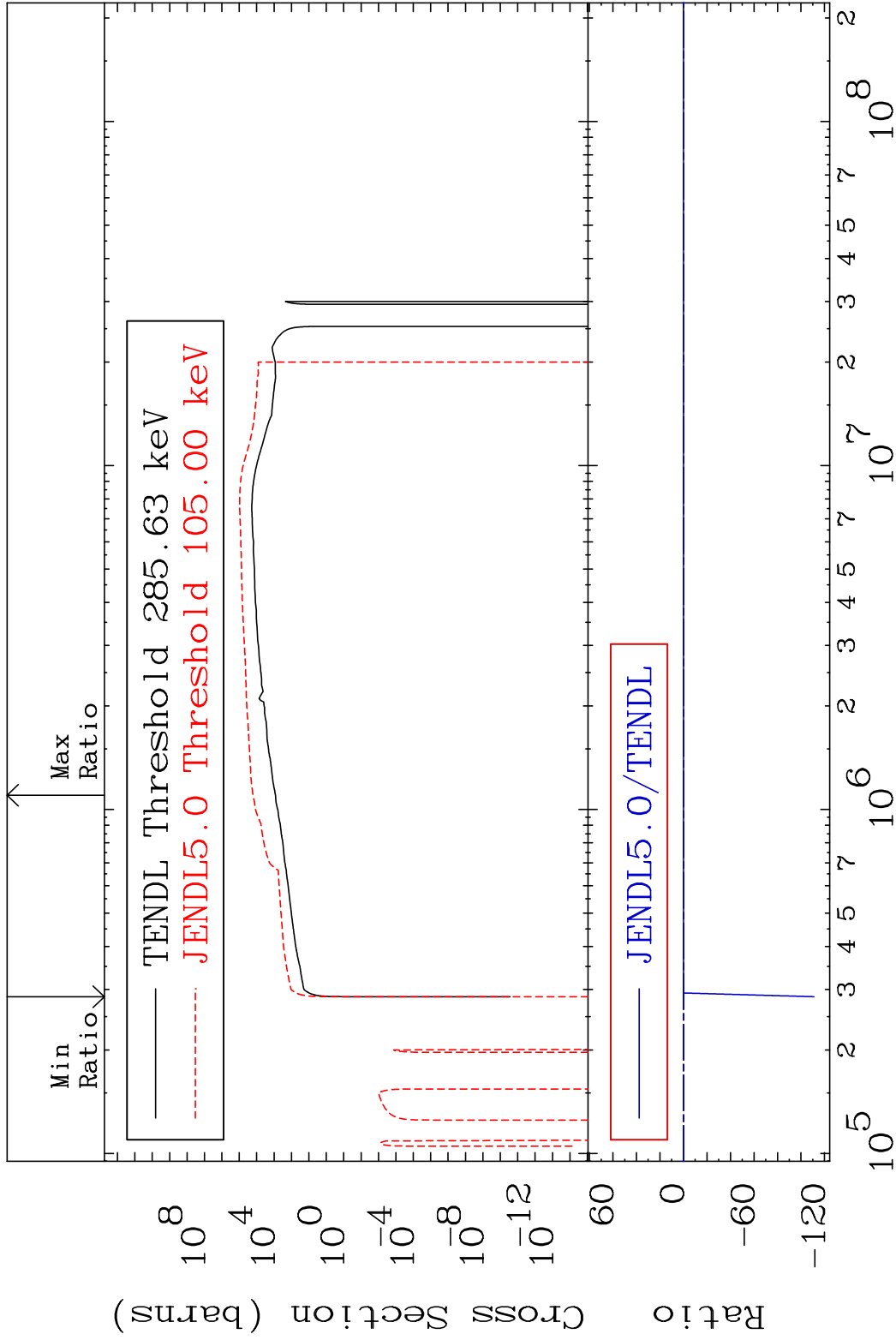


MAT 5646 Kerma non-elastic (all but mt2) 56-Ba-137  
 Cross Section -100.0 To 9999. %



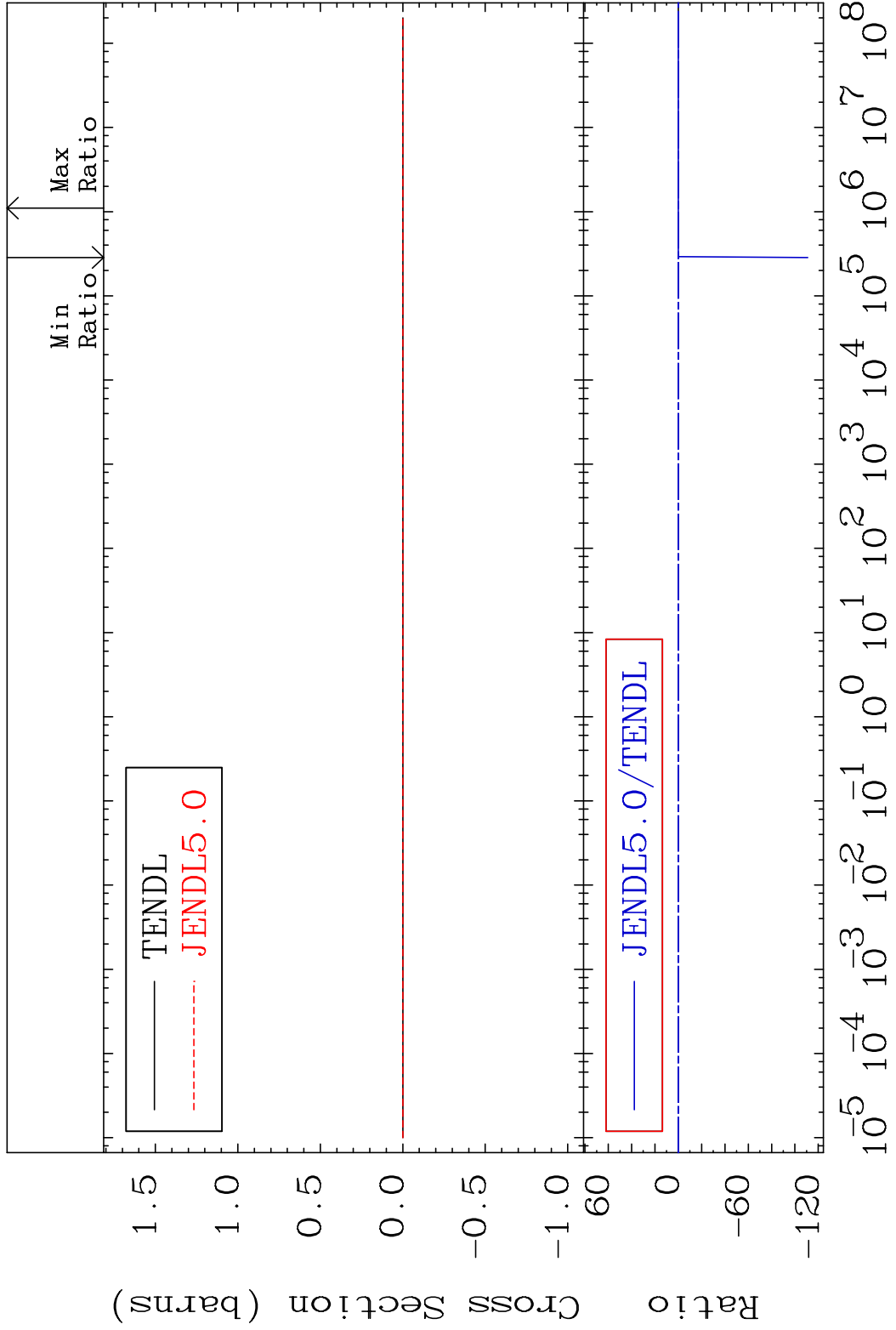
40 Incident Energy (eV) 56-Ba-137

MAT 5646 Kerma inelastic (mt51-91) 56-Ba-137  
 Cross Section -9999. To 1889. %



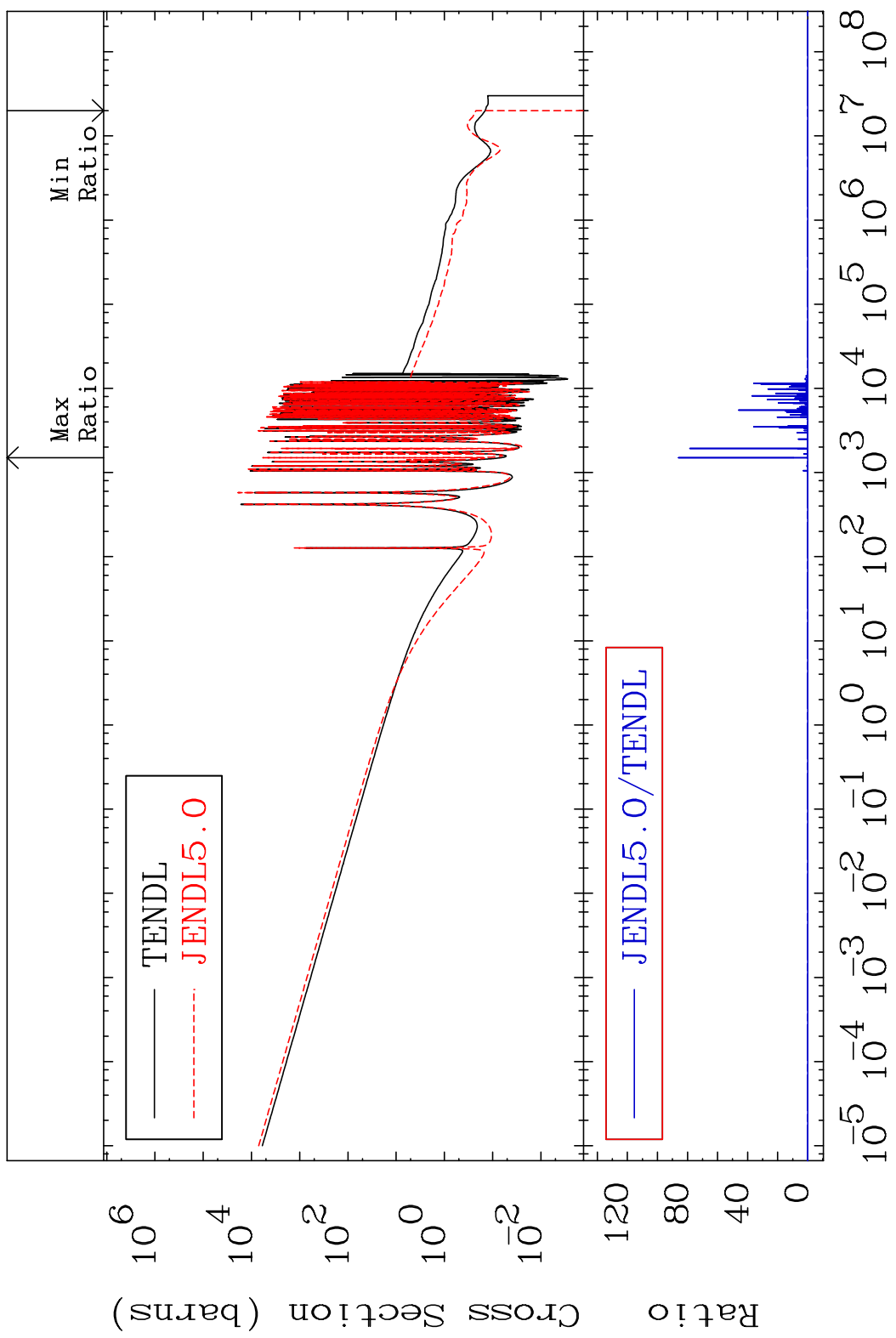
41 Incident Energy (eV) 56-Ba-137

MAT 5646 Kerma fission (mt18 or mt19-20-21-38) 56-Ba-137  
 Cross Section -9999. To 1889. %



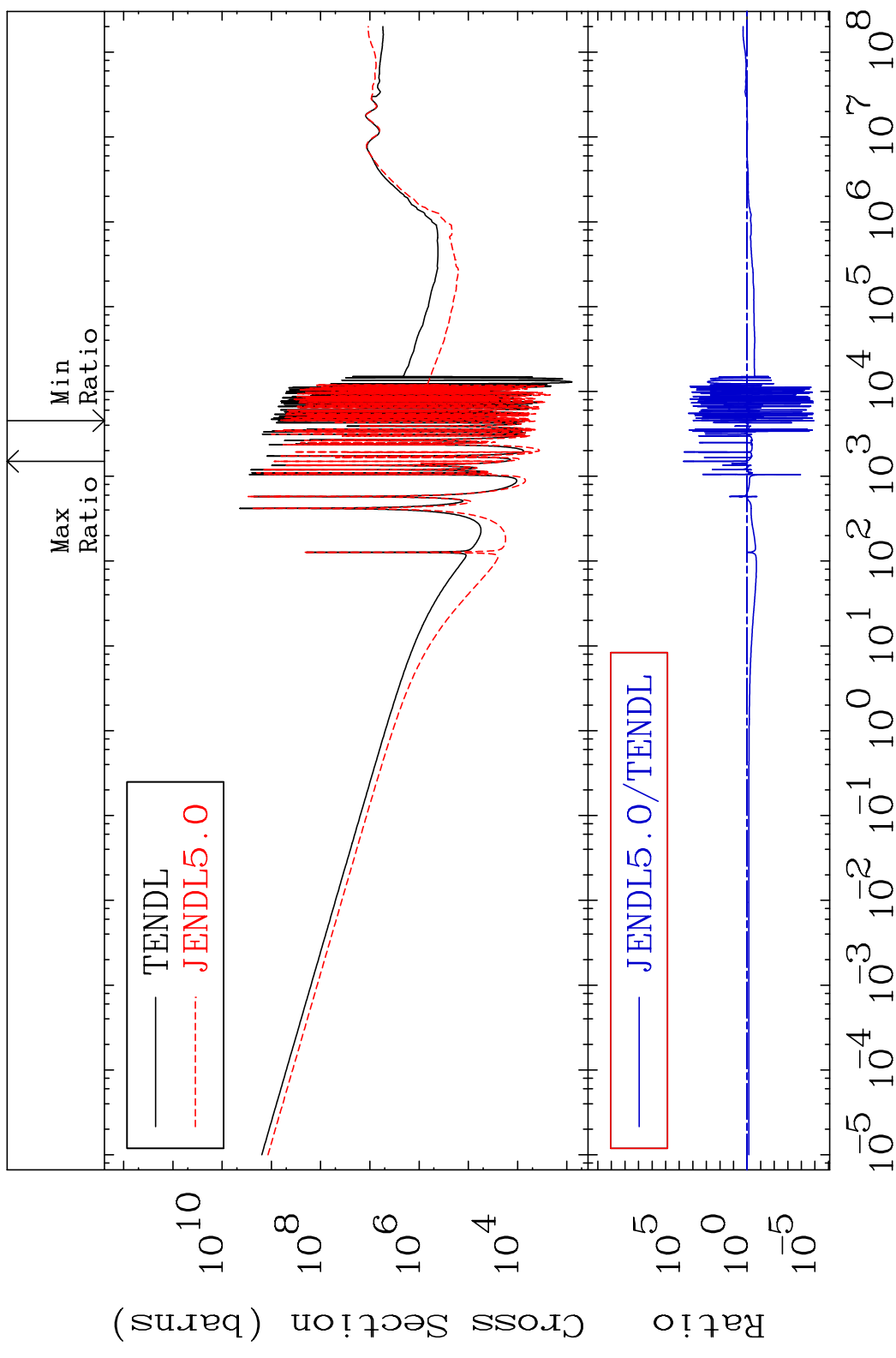
42 Incident Energy (eV) 56-Ba-137

MAT 5646 Kerma capture (mt102) 56-Ba-137  
 Cross Section -100.0 To 9999. %



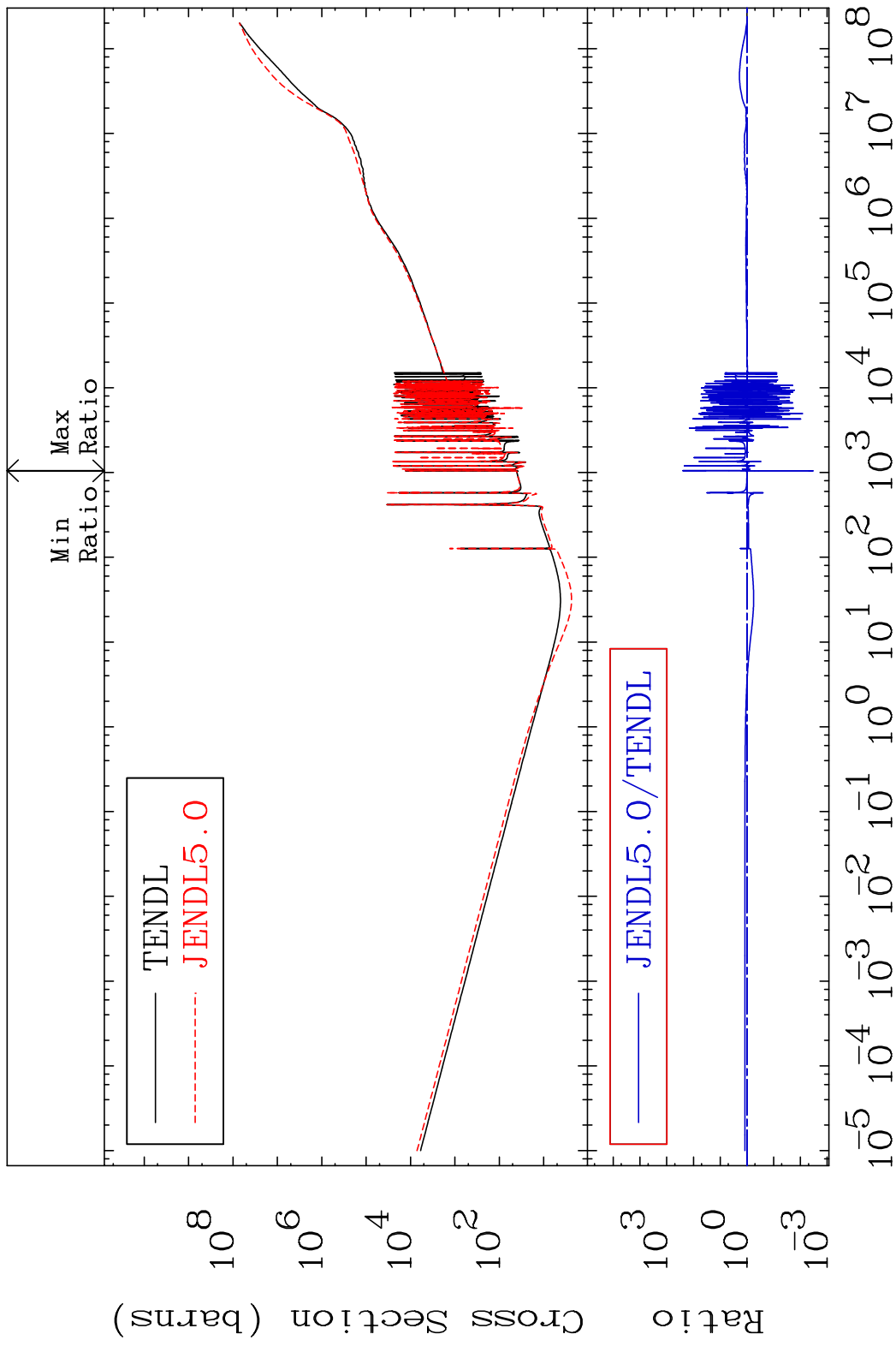
43 Incident Energy (eV) 56-Ba-137

MAT 5646 Total photon (eV-barns) 56-Ba-137  
 Cross Section -100.0 To 9999. %



44 Incident Energy (eV) 56-Ba-137

MAT 5646 Total kinematic kerma (high limit) 56-Ba-137  
Cross Section -99.66 To 9999. %

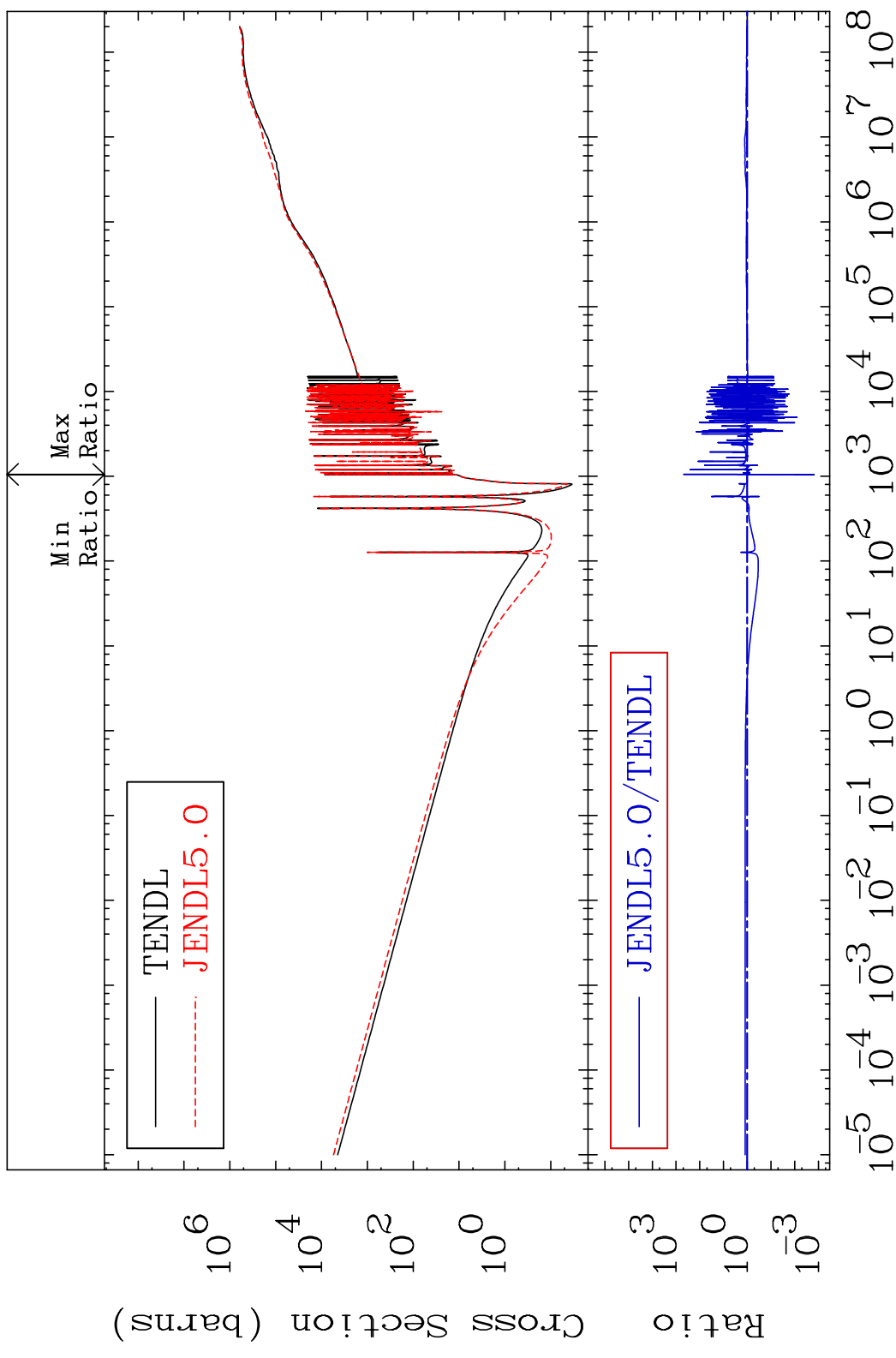


45

Incident Energy (eV)

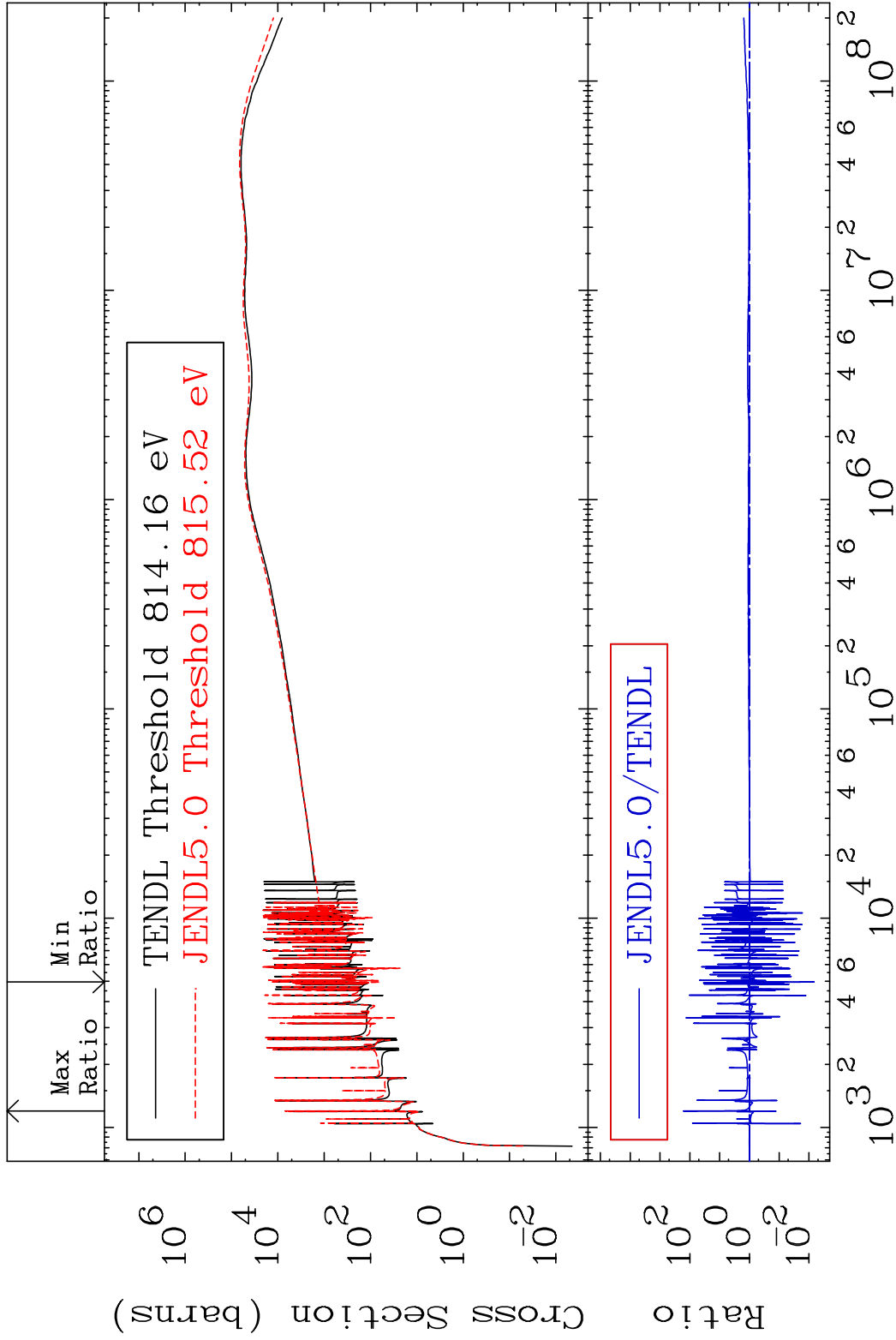
56-Ba-137

MAT 5646      Dpa total (eV-barns)      56-Ba-137  
 Cross Section      -99.84 To 9999. %



46      Incident Energy (eV)      56-Ba-137

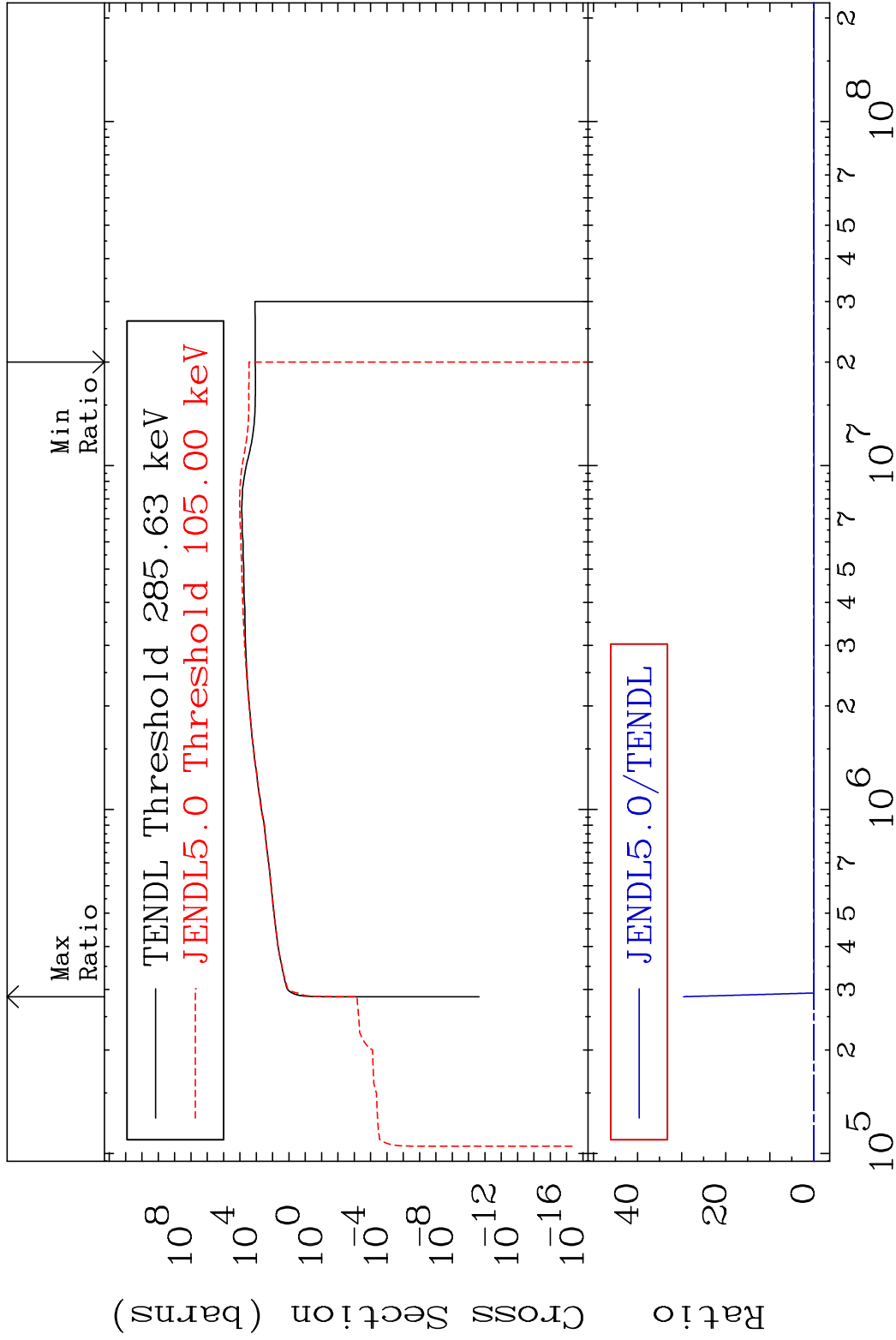
MAT 5646 Dpa elastic (mt2) 56-Ba-137  
 Cross Section -99.31 To 9999. %



47 Incident Energy (eV) 56-Ba-137

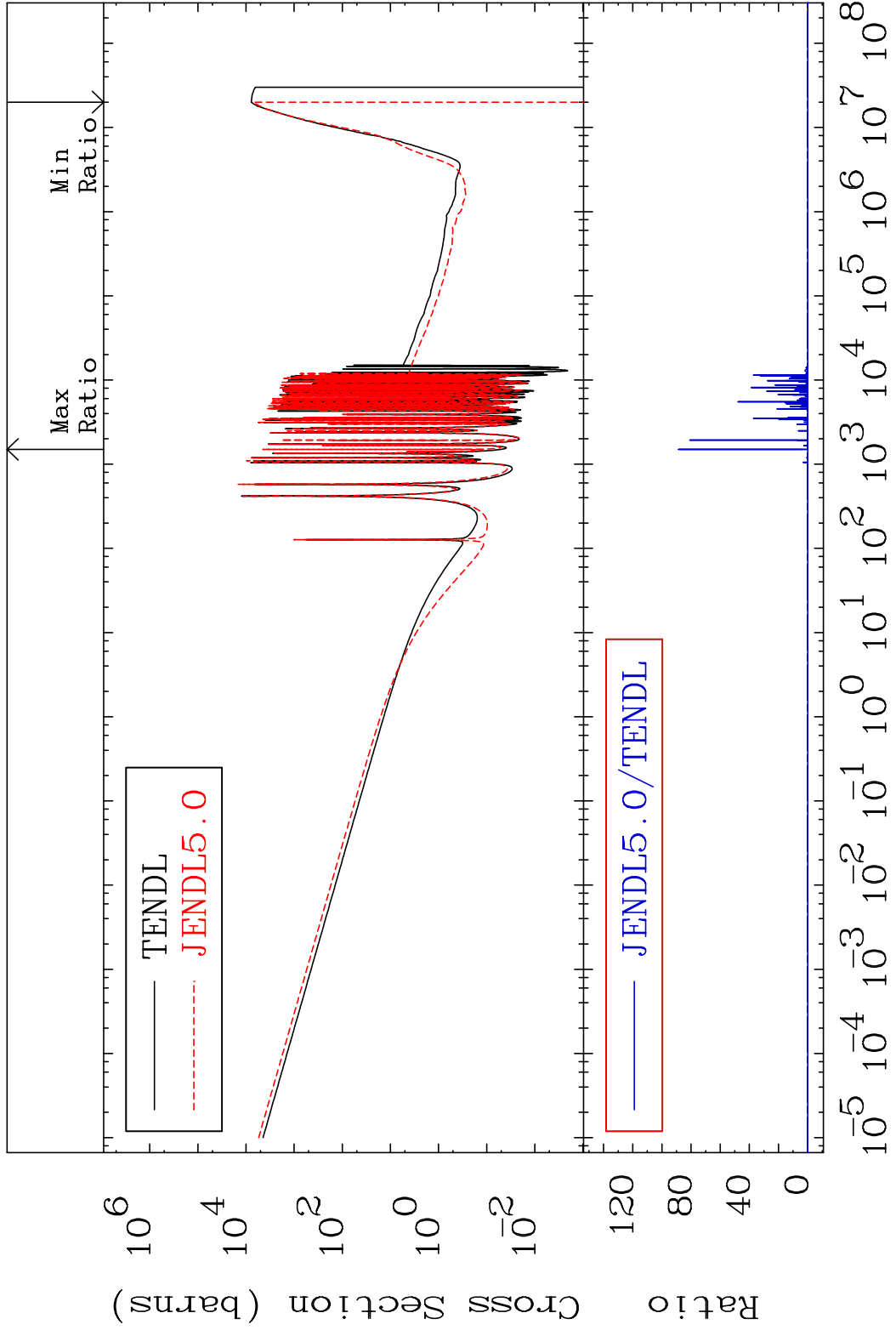


MAT 5646 Dpa inelastic (mt51-91) 56-Ba-137  
 Cross Section -100.0 To 9999. %



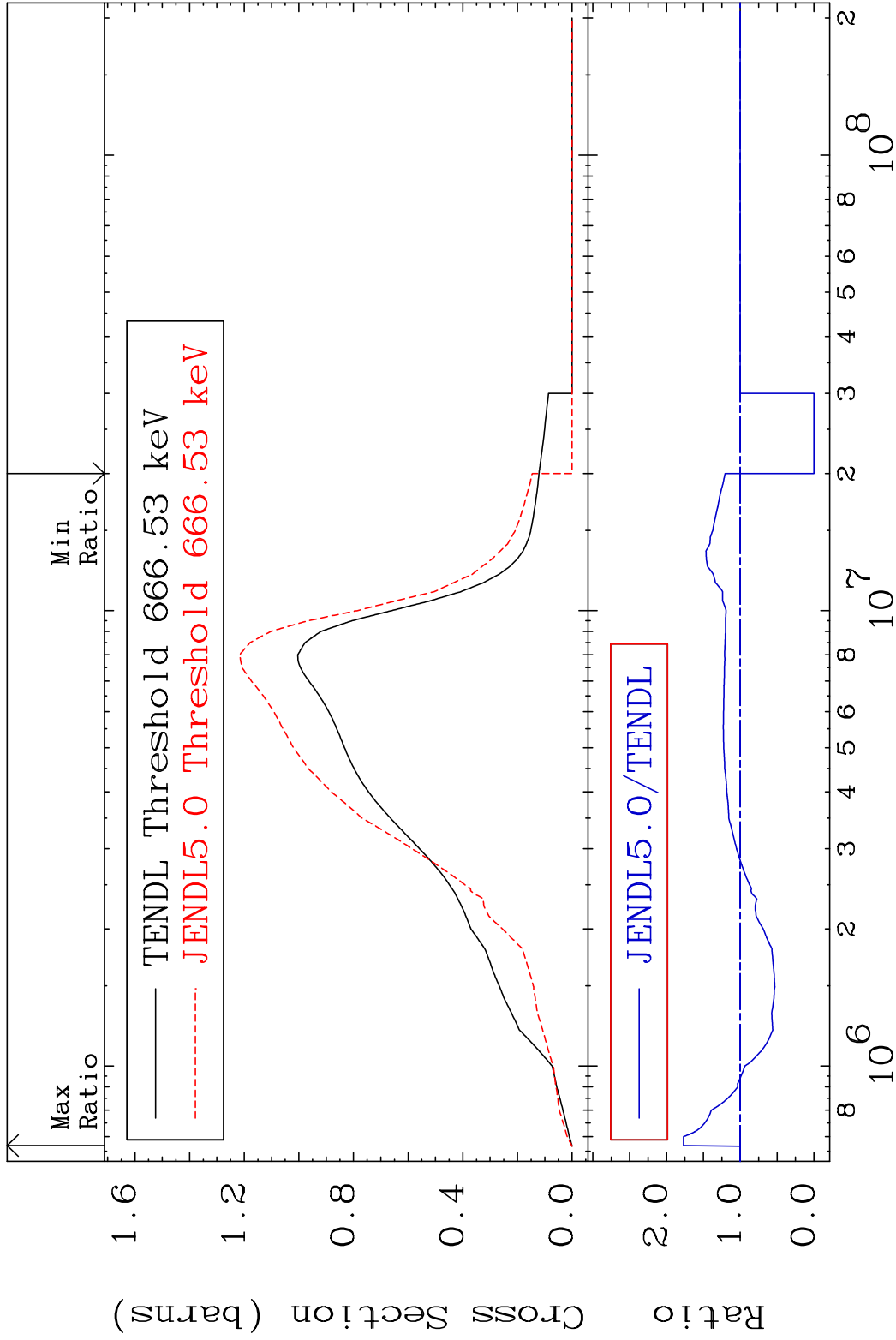
48 Incident Energy (eV) 56-Ba-137

MAT 5646 Dpa disappearance (mt102 -120) 56-Ba-137  
 Cross Section -100.0 To 9999. %



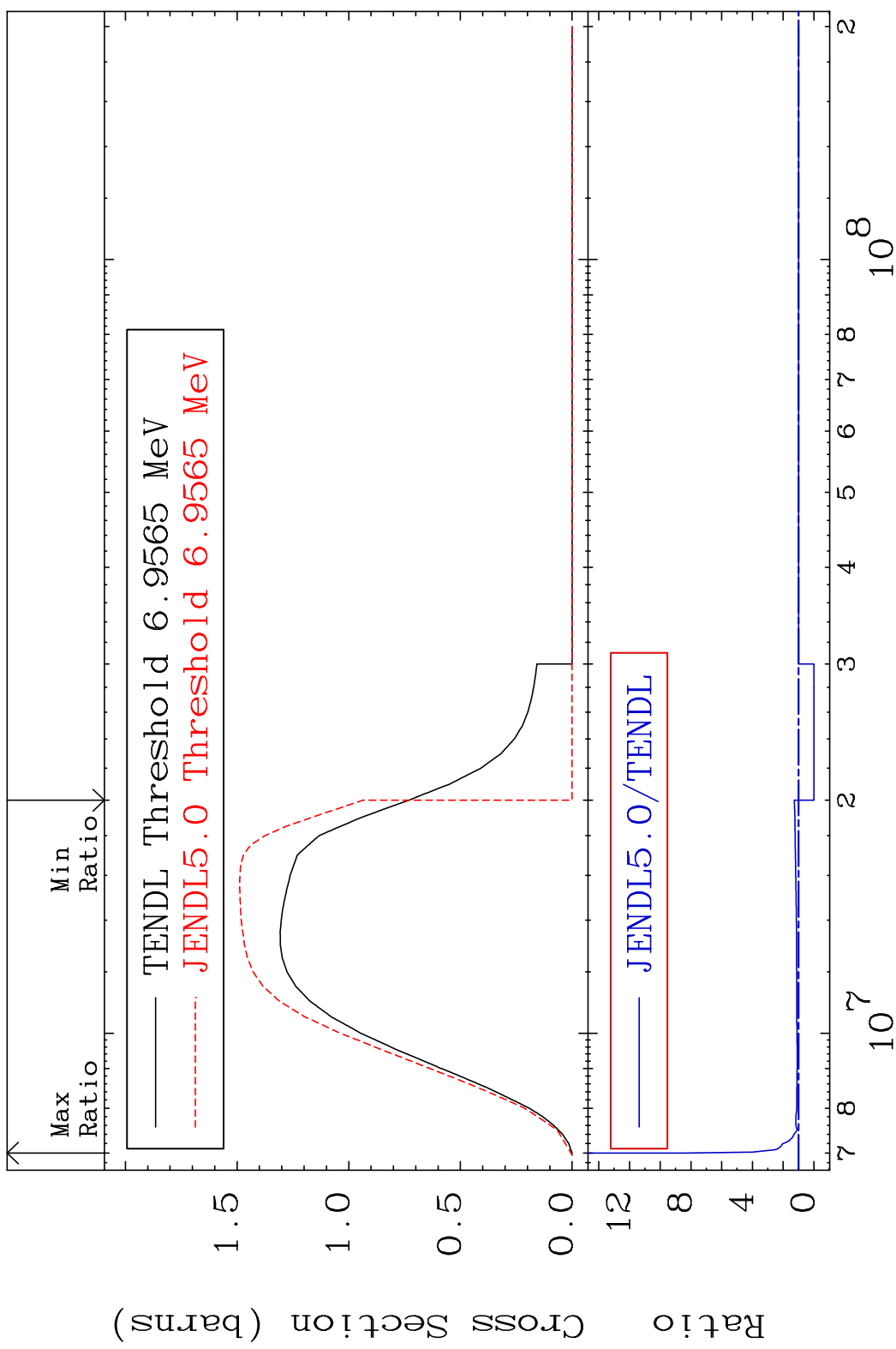
49 Incident Energy (eV) 56-Ba-137

MAT 5646 Inelastic:56-Ba-137m2 56-Ba-137  
 Radionuclide Production Cross Section 1800.0 dpo 77.02 %

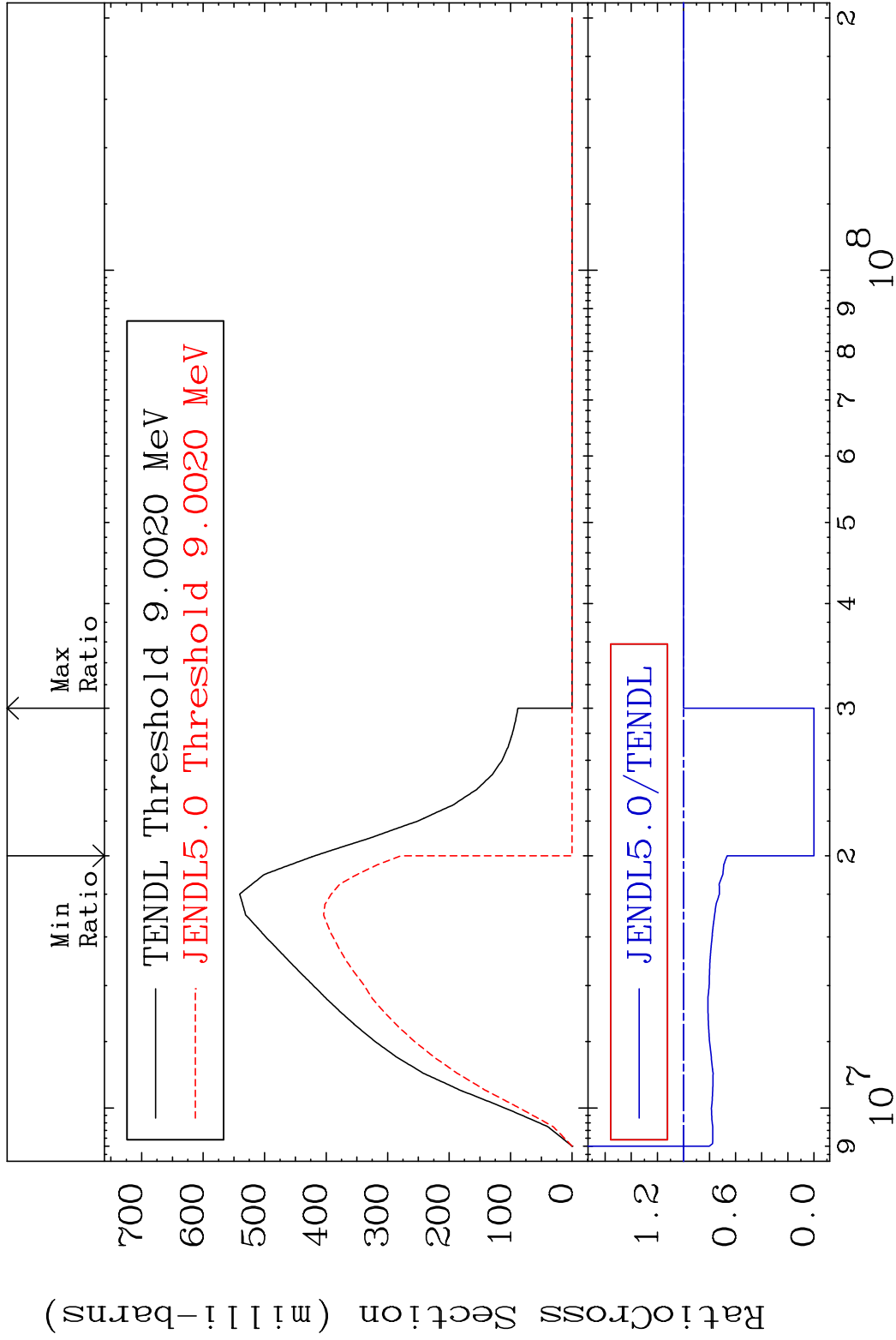


50 Incident Energy (eV) 56-Ba-137

MAT 5646 (n,2n):56-Ba-136g 56-Ba-137  
 Radionuclide Production Cross Section 180000 dpo 748.7 %

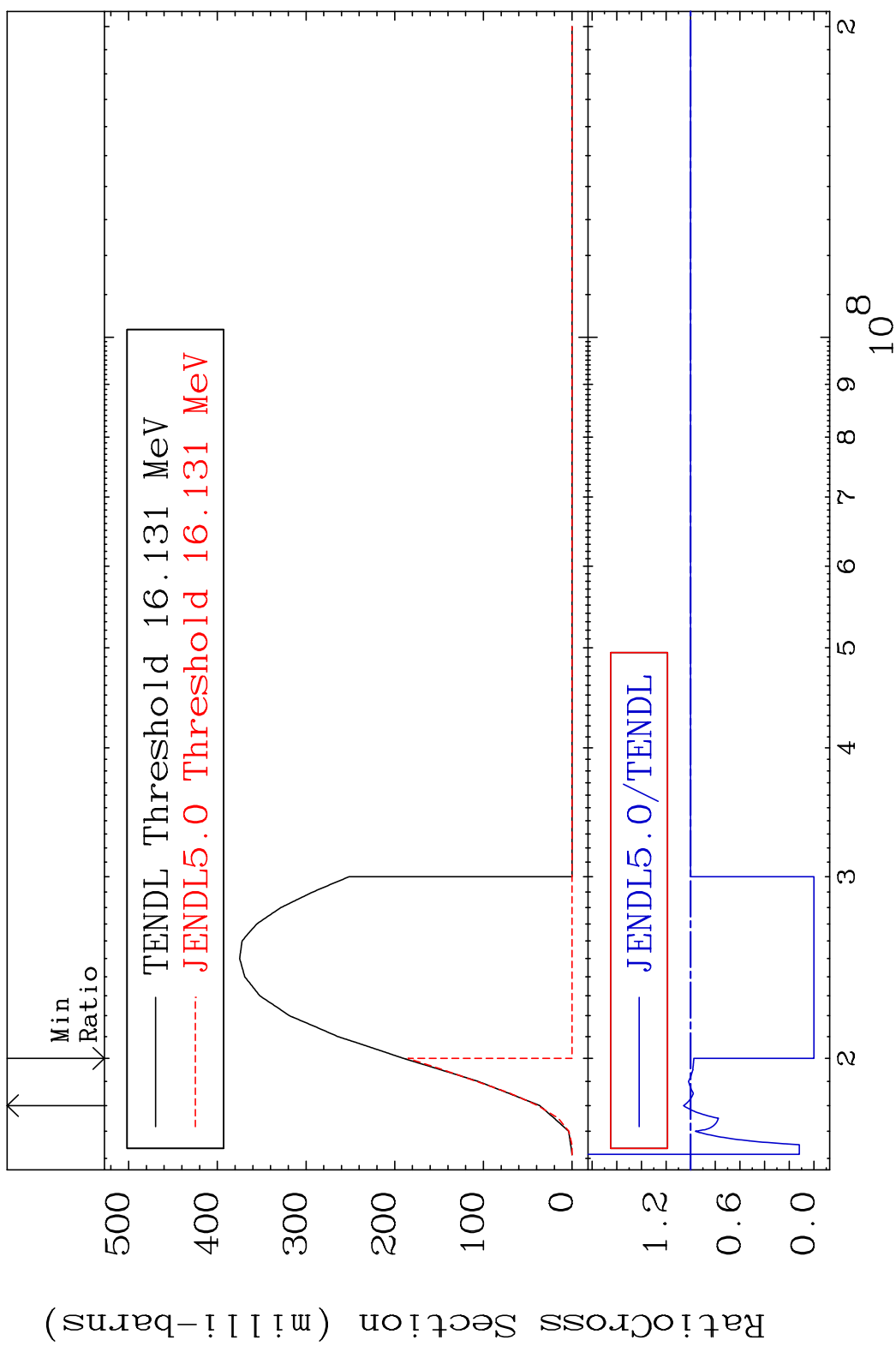


MAT 5646 (n, 2n):56-Ba-136m5 56-Ba-137  
 Radionuclide Production Cross Section 18000000 0.000 %



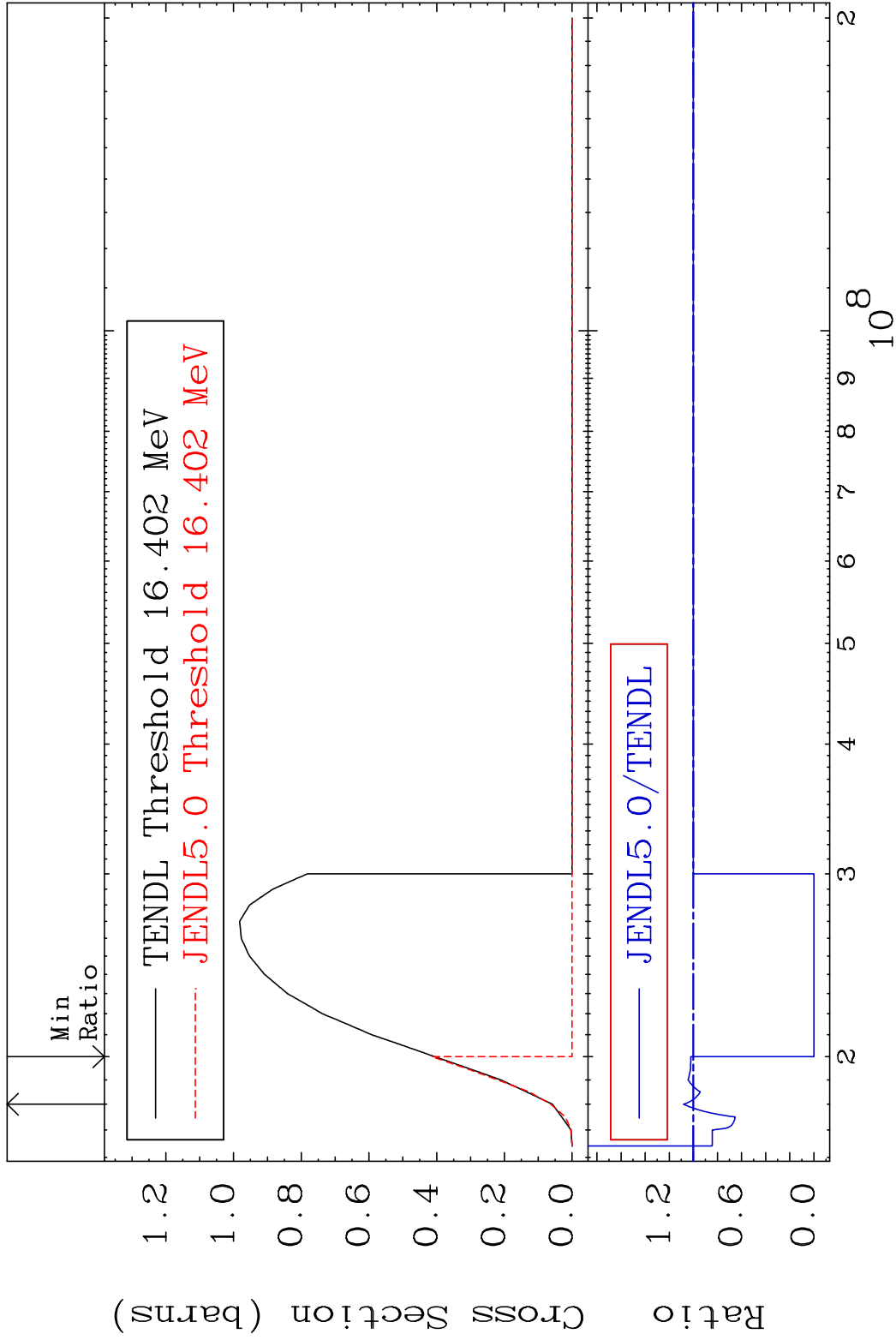
52 56-Ba-137

MAT 5646 (n,3n):56-Ba-135g 56-Ba-137  
 Radionuclide Production Cross Section 180000 dpo 5.862 %

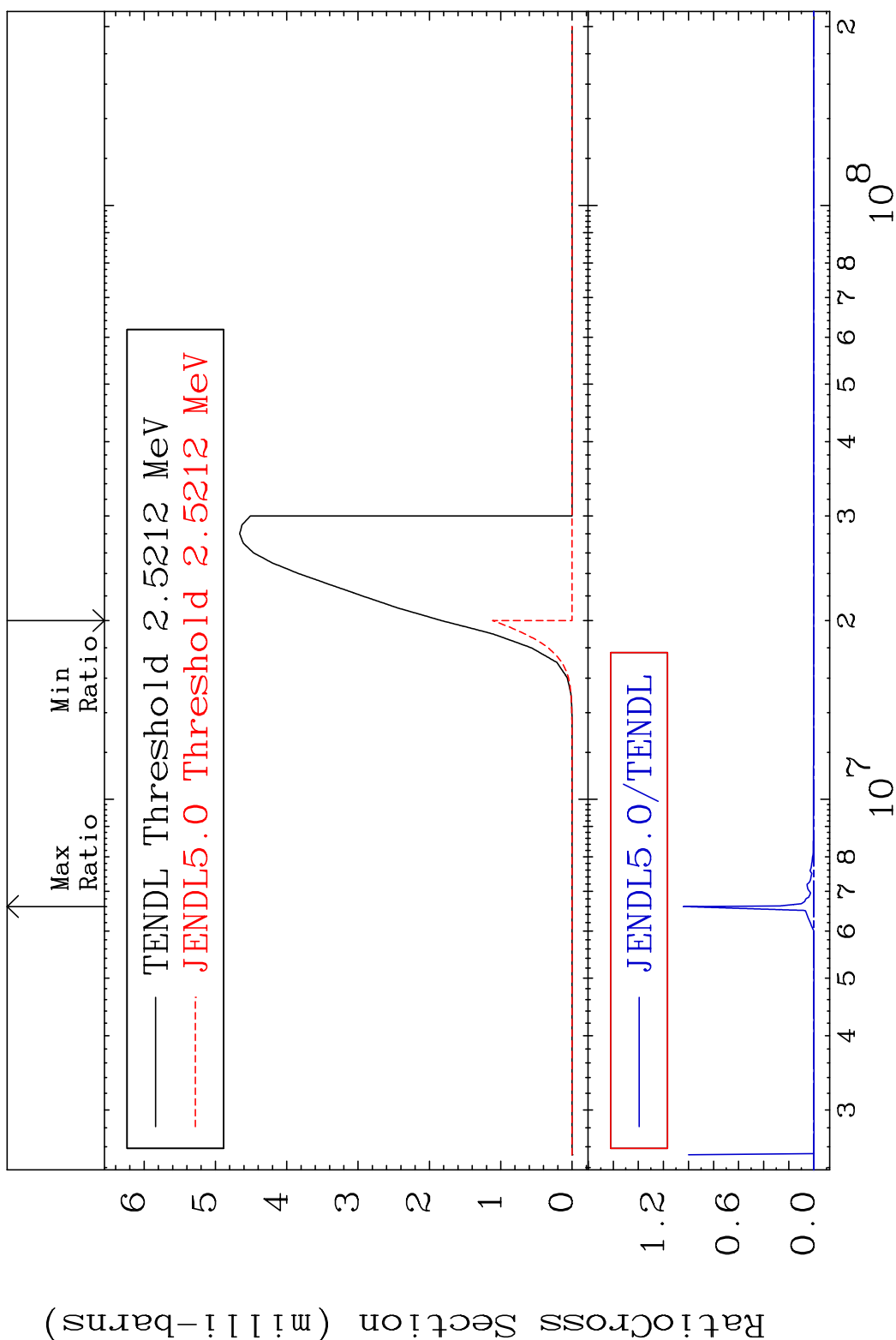


53 Incident Energy (eV) 56-Ba-137

MAT 5646 (n, 3n): 56-Ba-135m2 56-Ba-137  
 Radionuclide Production Cross Section 8.205 %



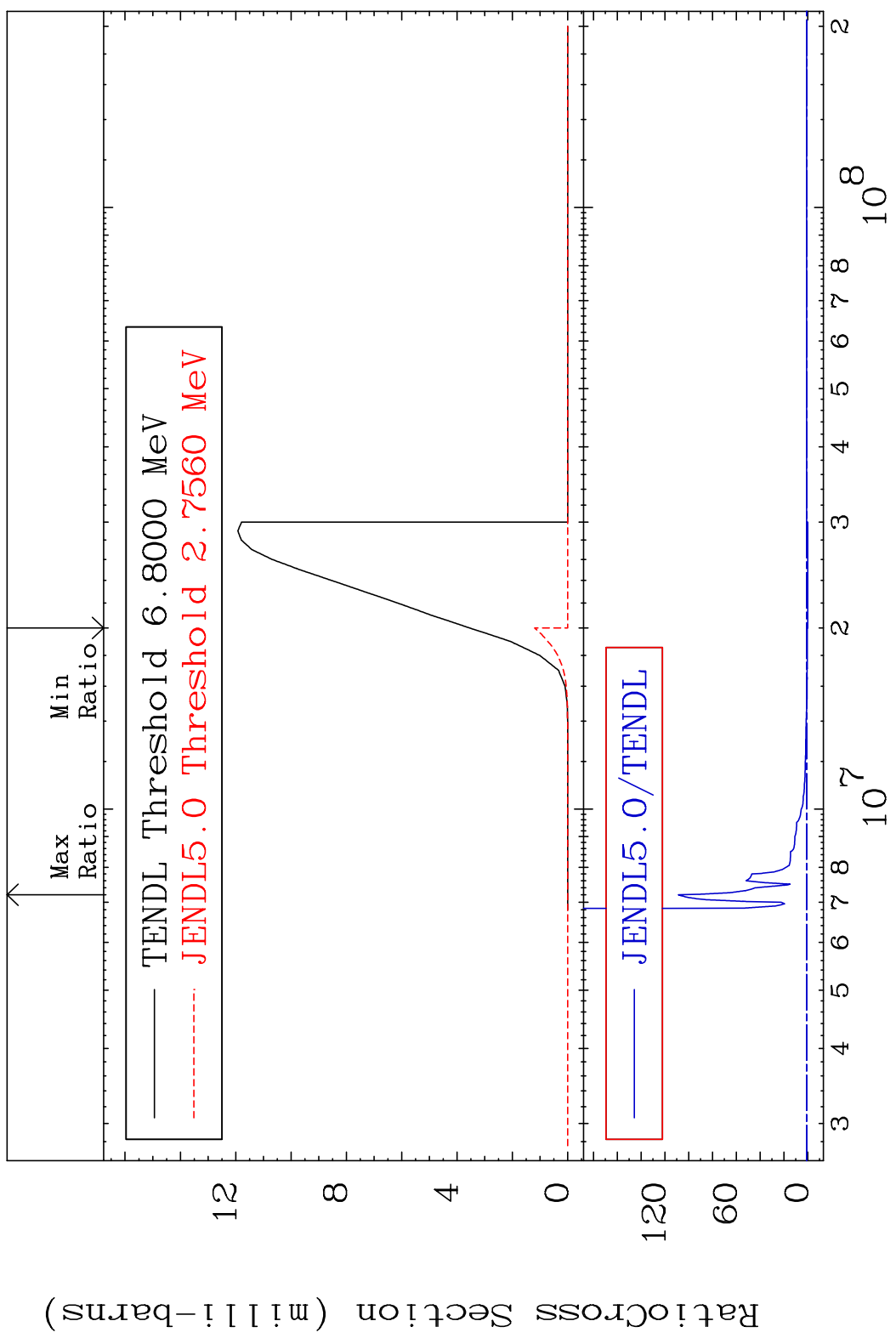
MAT 5646 (n, n')  $\alpha$ :54-Xe-133g 56-Ba-137  
 Radionuclide Production Cross Section 180000 dpo 9999. %



55 Incident Energy (eV) 56-Ba-137

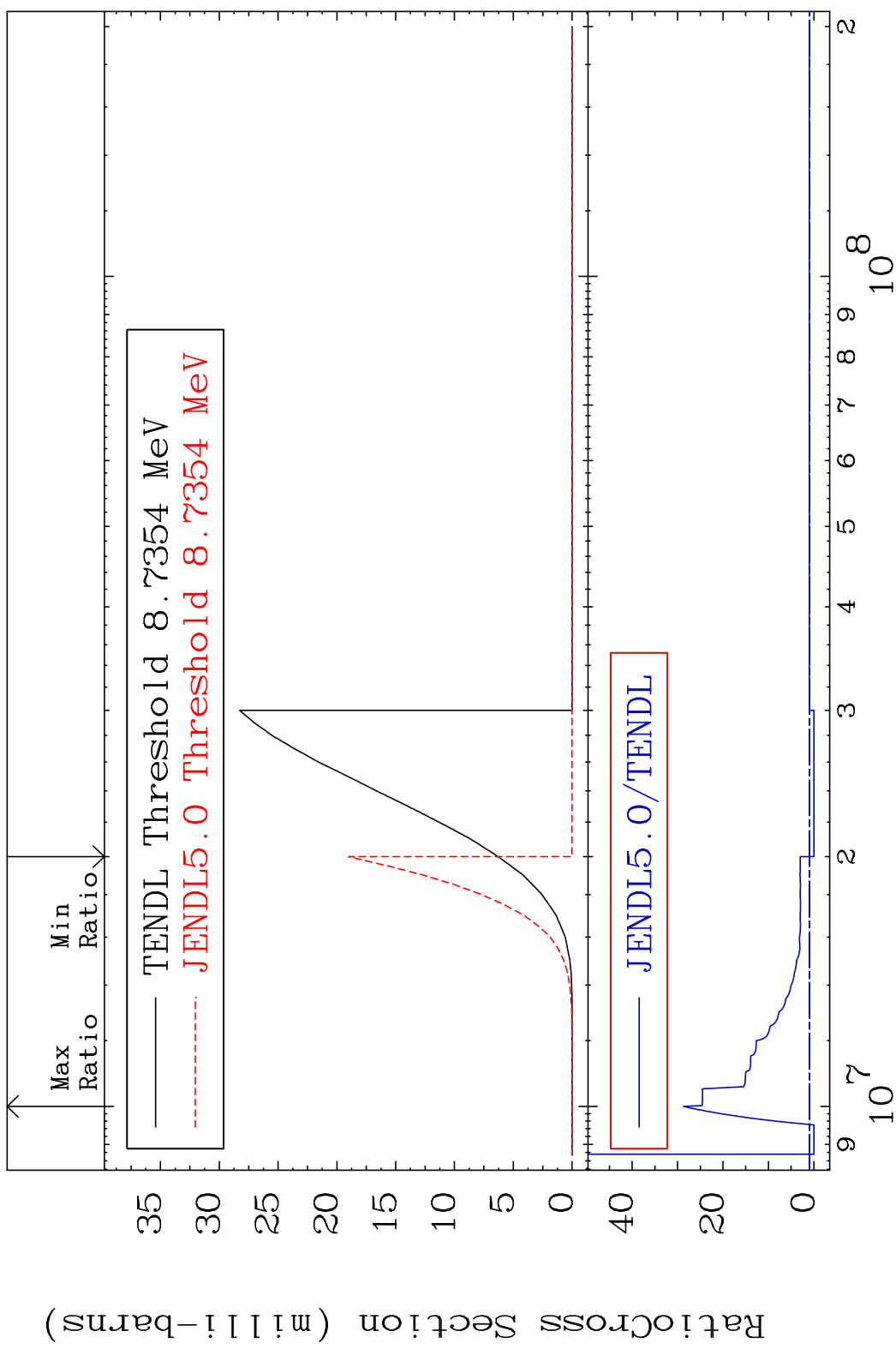


MAT 5646 (n, n')  $\alpha$ :54-Xe-133m1 56-Ba-137  
 Radionuclide Production Cross Section 180000 dpo 9999. %



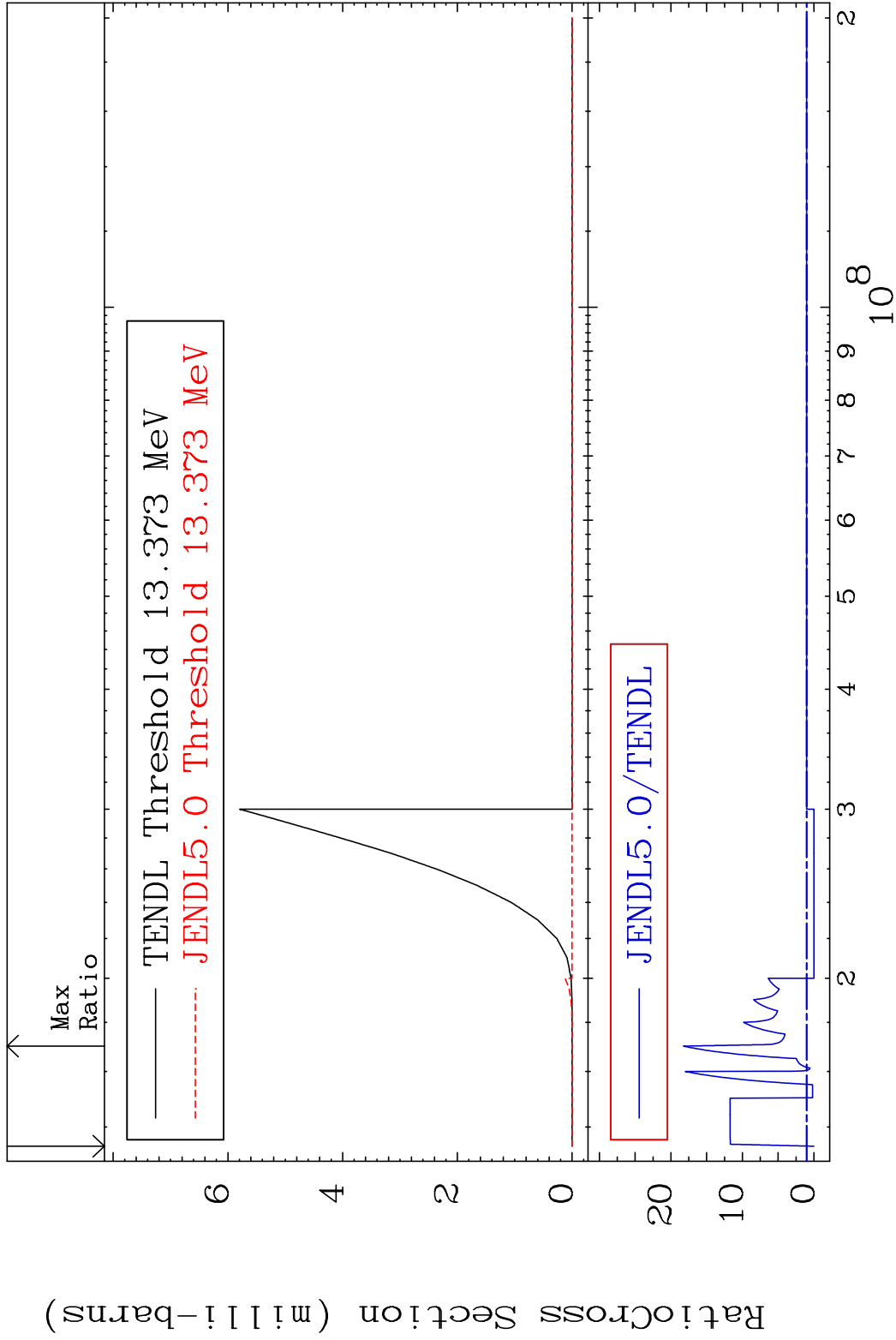
56 Incident Energy (eV) 56-Ba-137

MAT 5646 (n, n') p:55-Cs-136g 56-Ba-137  
 Radionuclide Production Cross Section to 2770. %

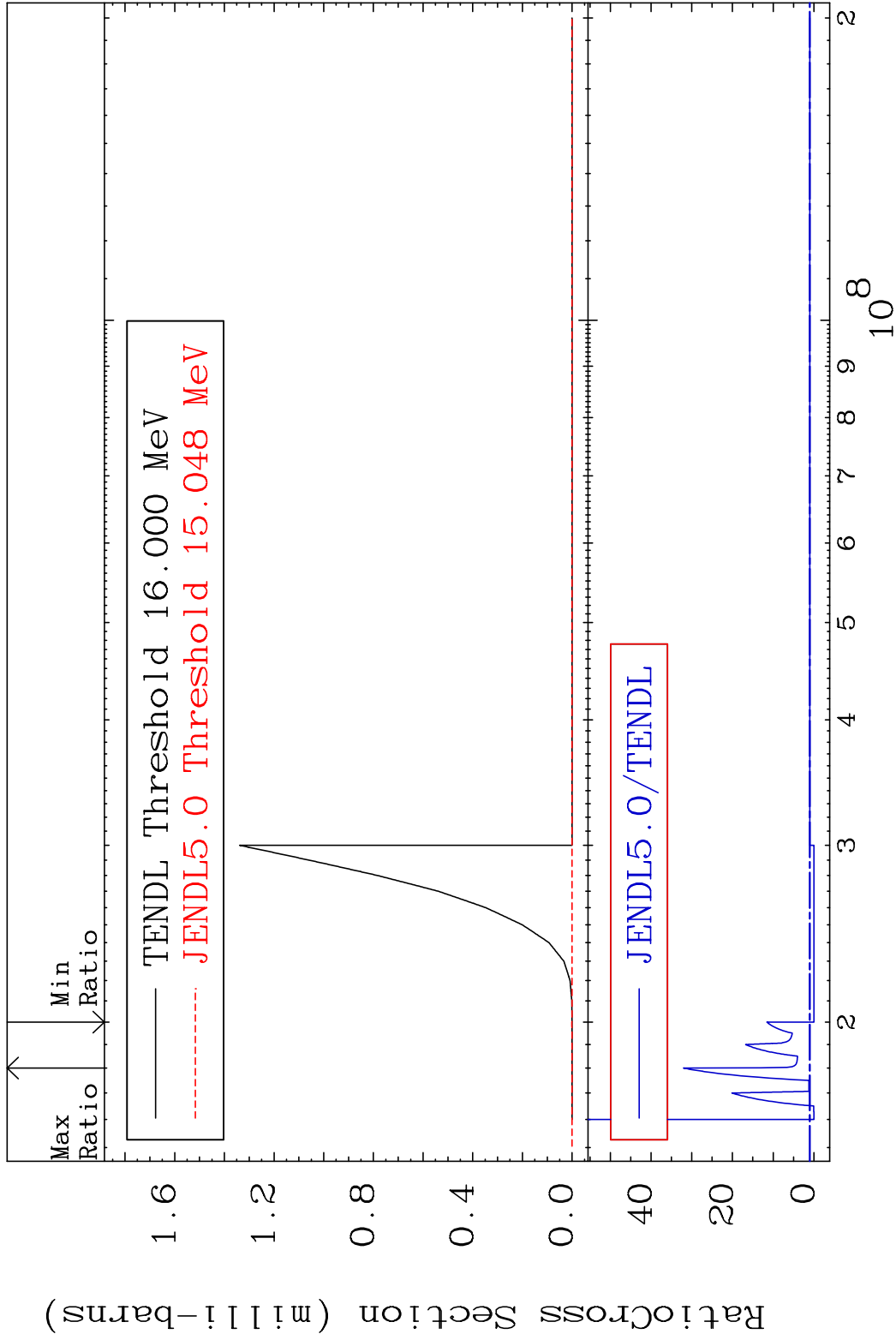


57 56-Ba-137

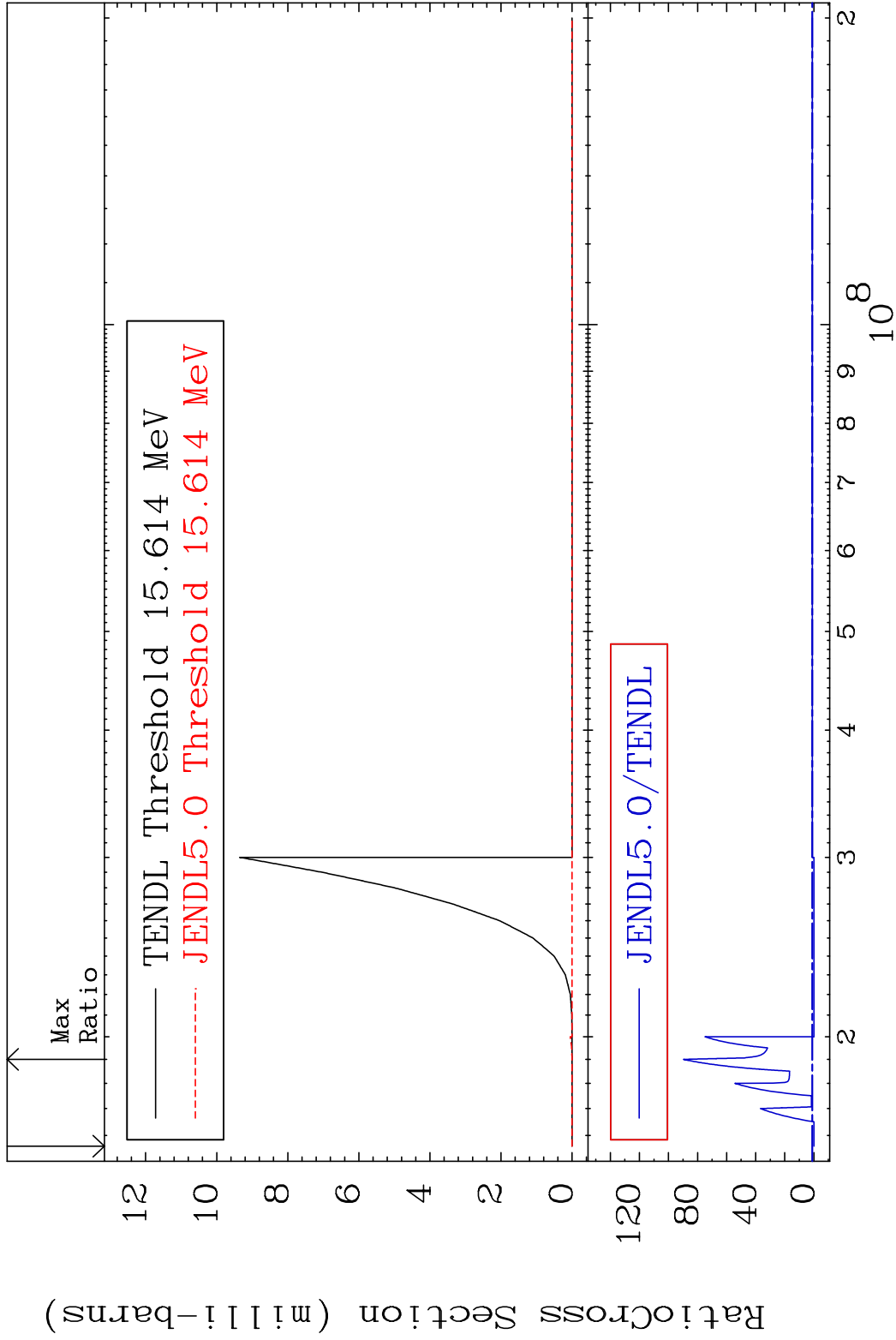
MAT 5646 (n, n') d:55-Cs-135g 56-Ba-137  
 Radionuclide Production Cross Section 180000 dpo 1724. %



58 Incident Energy (eV) 56-Ba-137

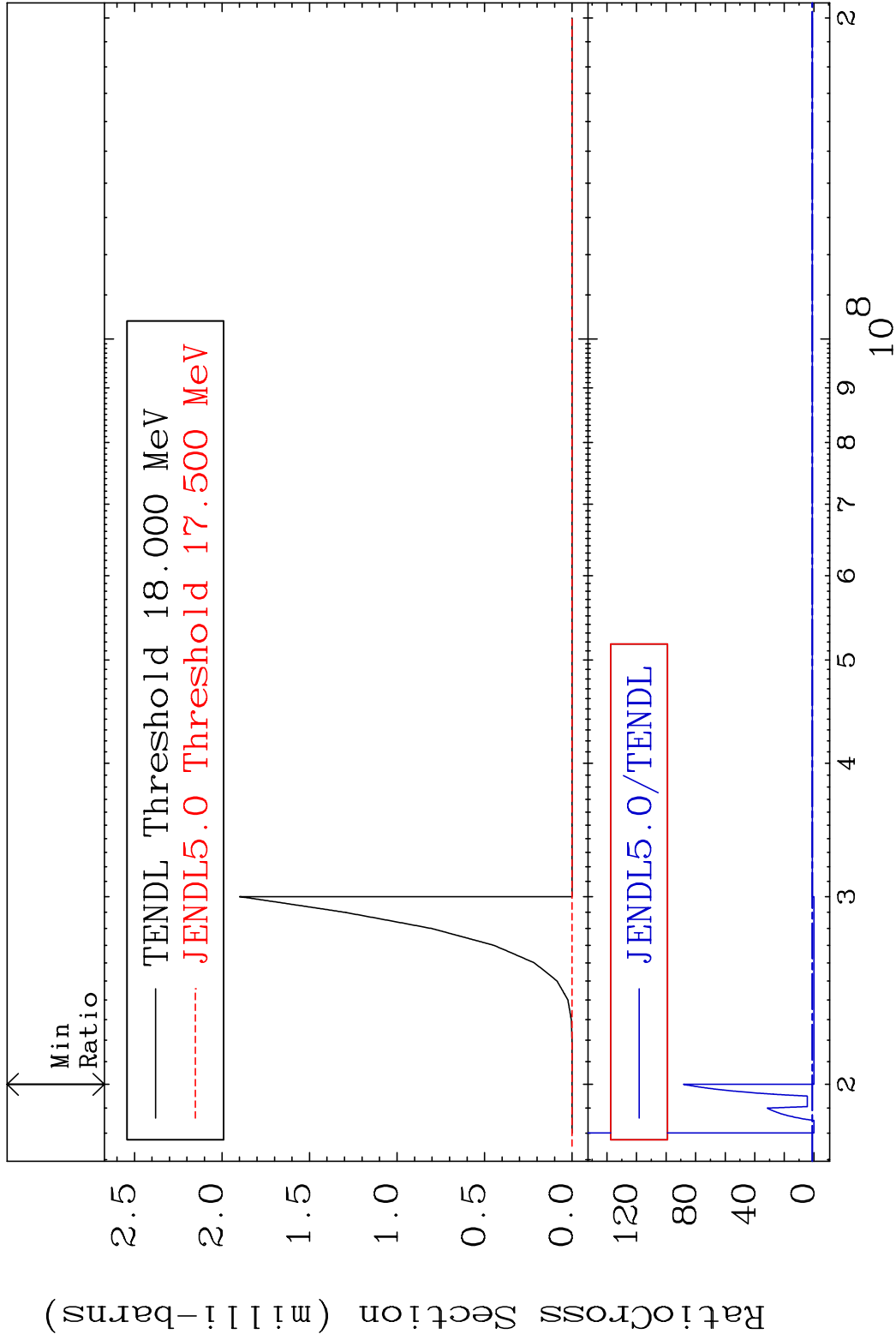


MAT 5646 (n,2n) p:55-Cs-135g 56-Ba-137  
 Radionuclide Production Cross Section 180000 to 8869. %



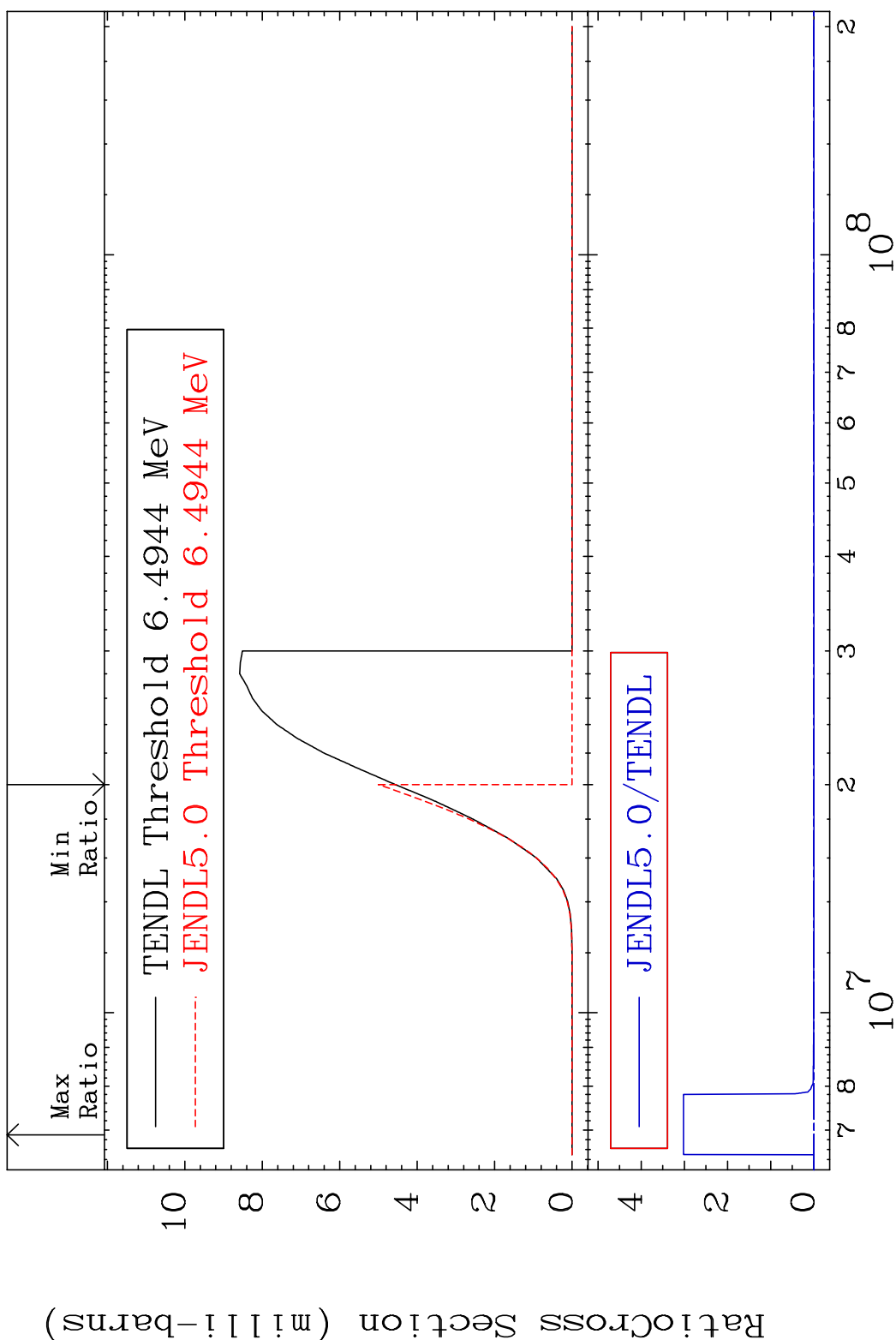
60 Incident Energy (eV) 56-Ba-137

MAT 5646 (n,2n) p:55-Cs-135m10 56-Ba-137  
 Radionuclide Production Cross Section 18000 to 8723. %



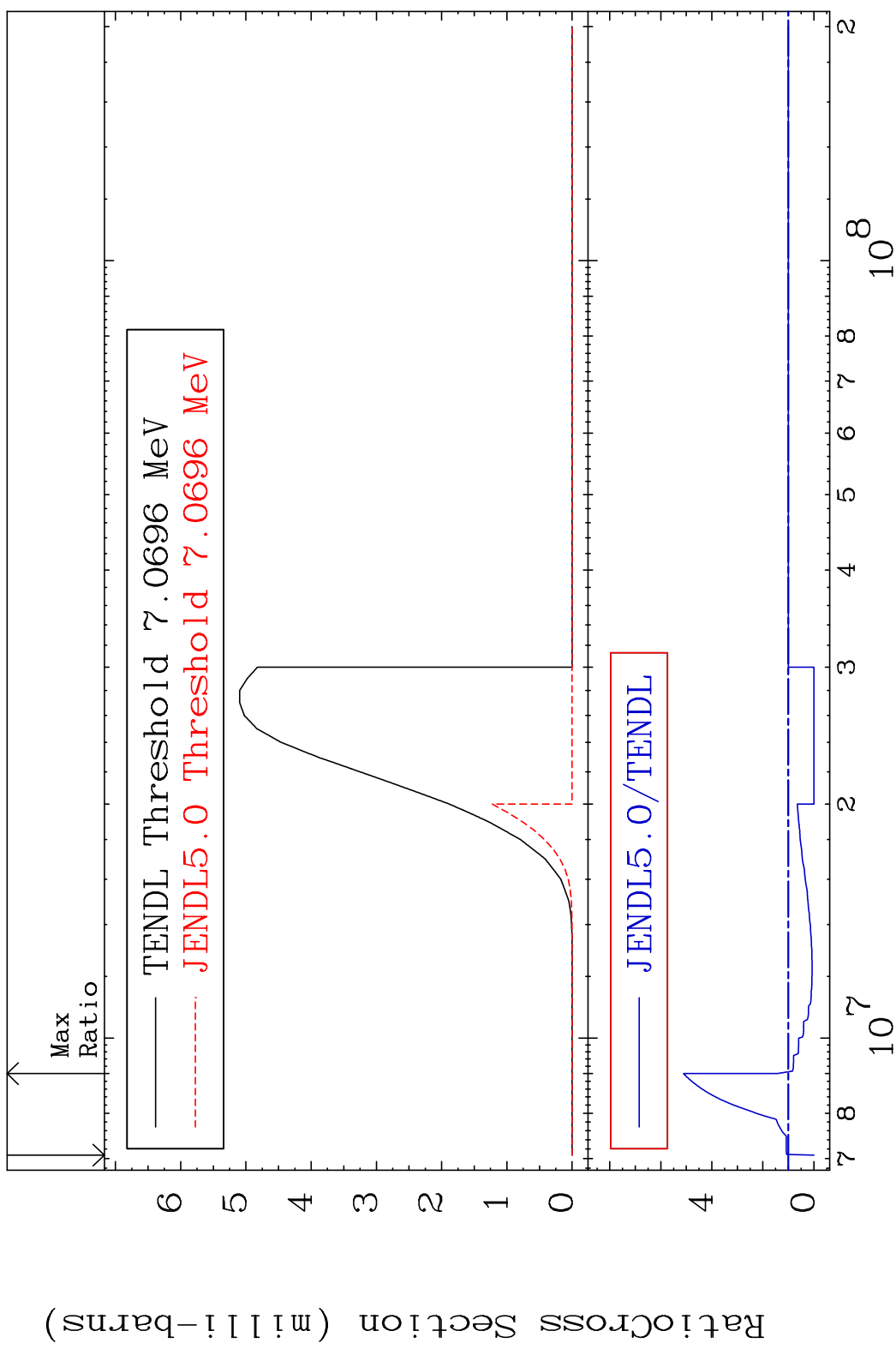
61 Incident Energy (eV) 56-Ba-137

MAT 5646 (n,d):55-Cs-136g 56-Ba-137  
 Radionuclide Production Cross Section 180000 dth 9999. %



62 56-Ba-137

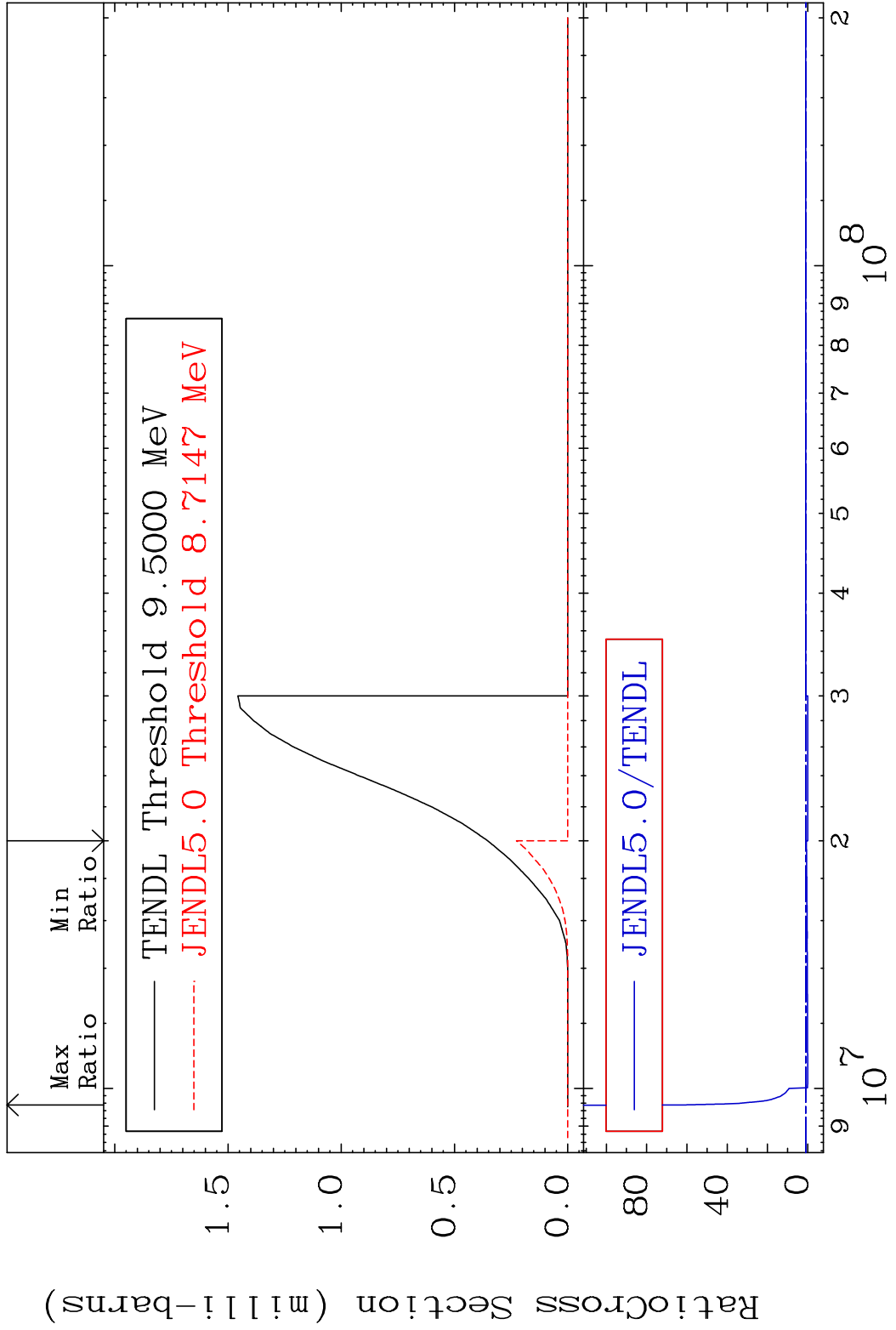
MAT 5646 (n,t):55-Cs-135g 56-Ba-137  
 Radionuclide Production Cross Section 180000 dpo 411.3 %



63 Incident Energy (eV) 56-Ba-137

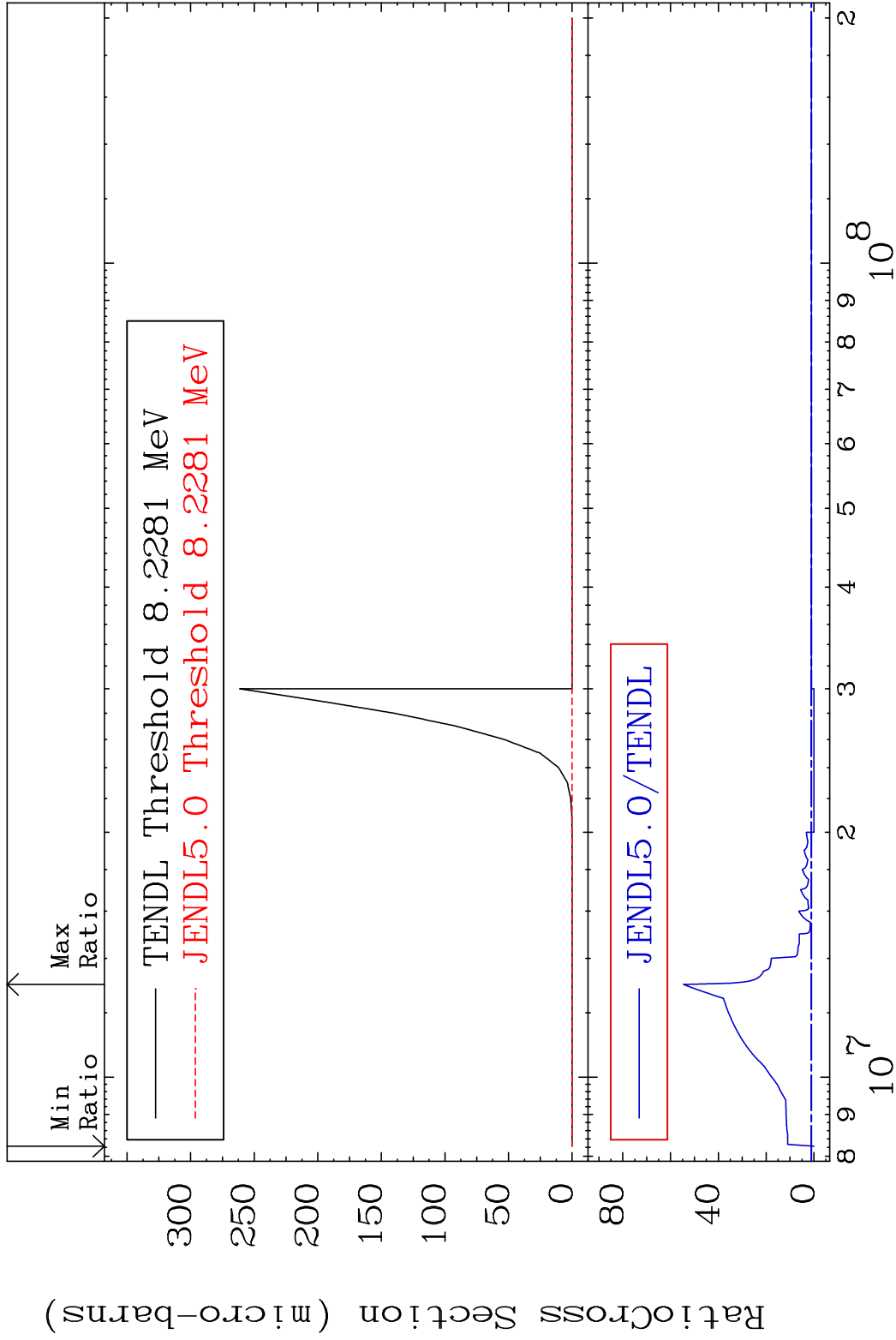


MAT 5646 (n, t):55-Cs-135m10 56-Ba-137  
 Radionuclide Production Cross Section to 6329. %



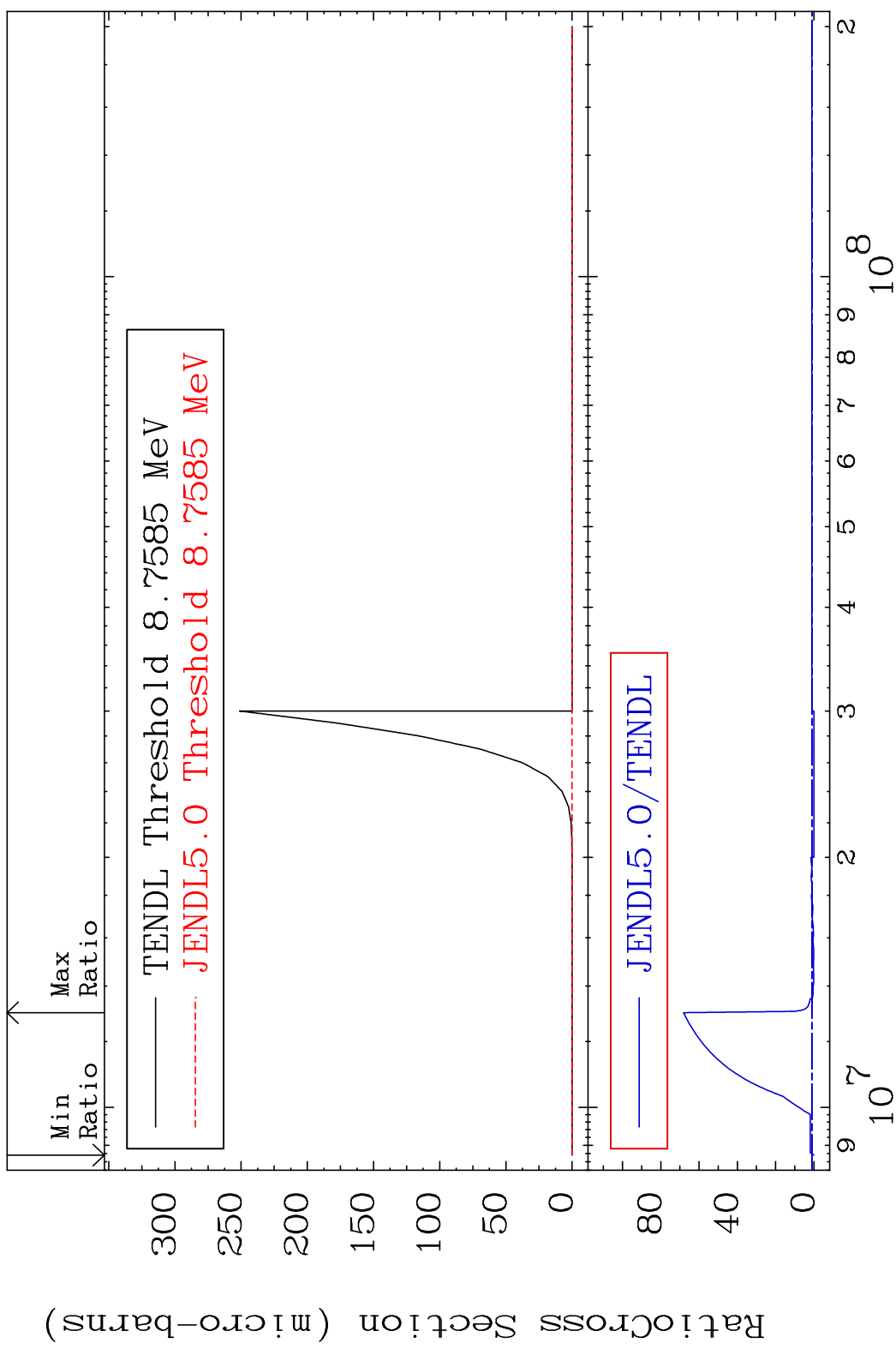
64 Incident Energy (eV) 56-Ba-137

MAT 5646 (n, He-3) : 54-Xe-135g 56-Ba-137  
 Radionuclide Production Cross Section 180000 dpo 5361. %



65 56-Ba-137

MAT 5646 (n, He-3) : 54-Xe-135m2 56-Ba-137  
 Radionuclide Production Cross Section 18000 to 6714. %



66 Incident Energy (eV) 56-Ba-137