

Program Complot  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550

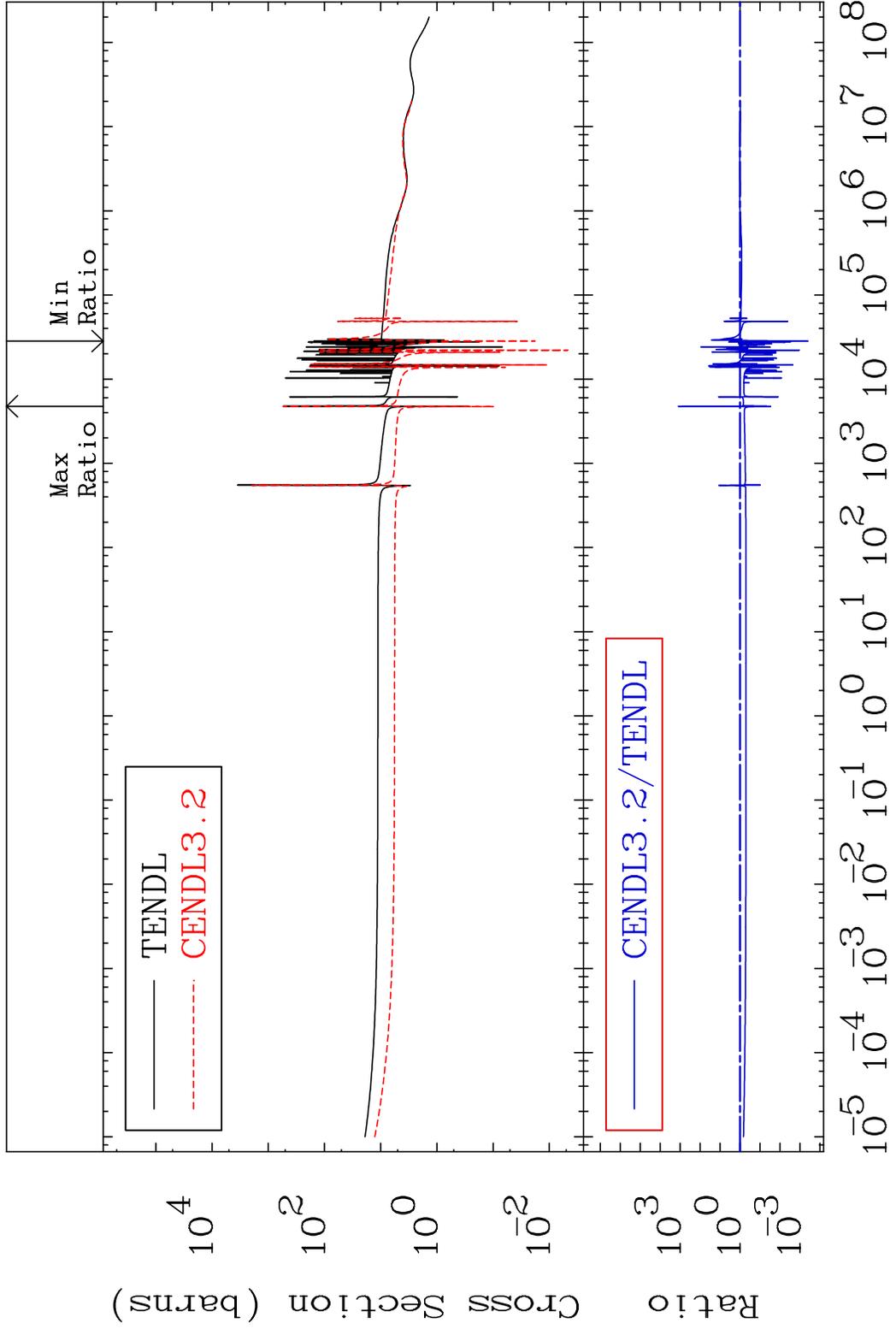
U.S.A.

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 3243                      Total                      32-Ge-76  
 Cross Section                      -99.96 To 9999. %



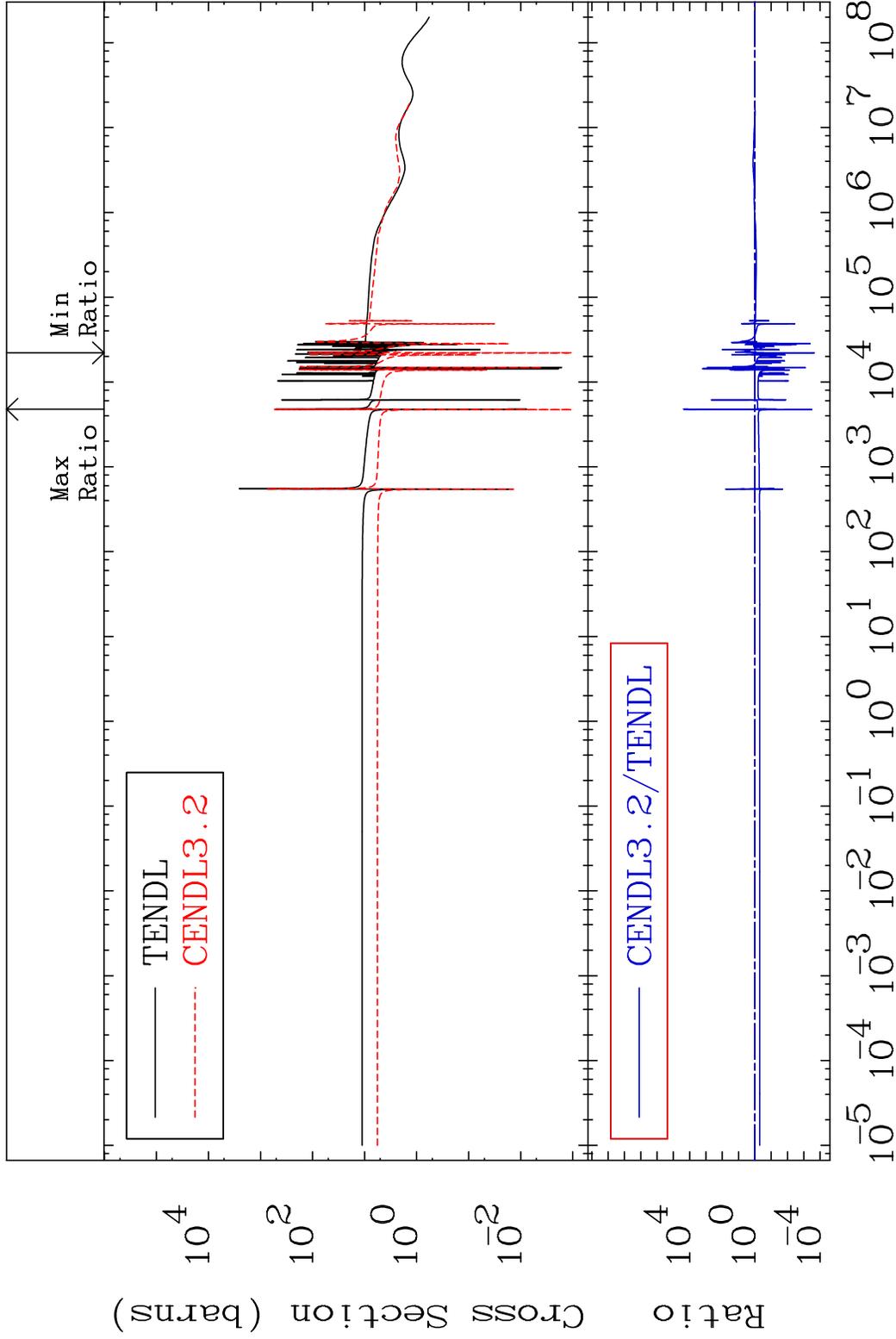
1                      Incident Energy (eV)                      32-Ge-76

MAT 3243

Elastic

32-Ge-76

Cross Section -99.98 To 9999. %

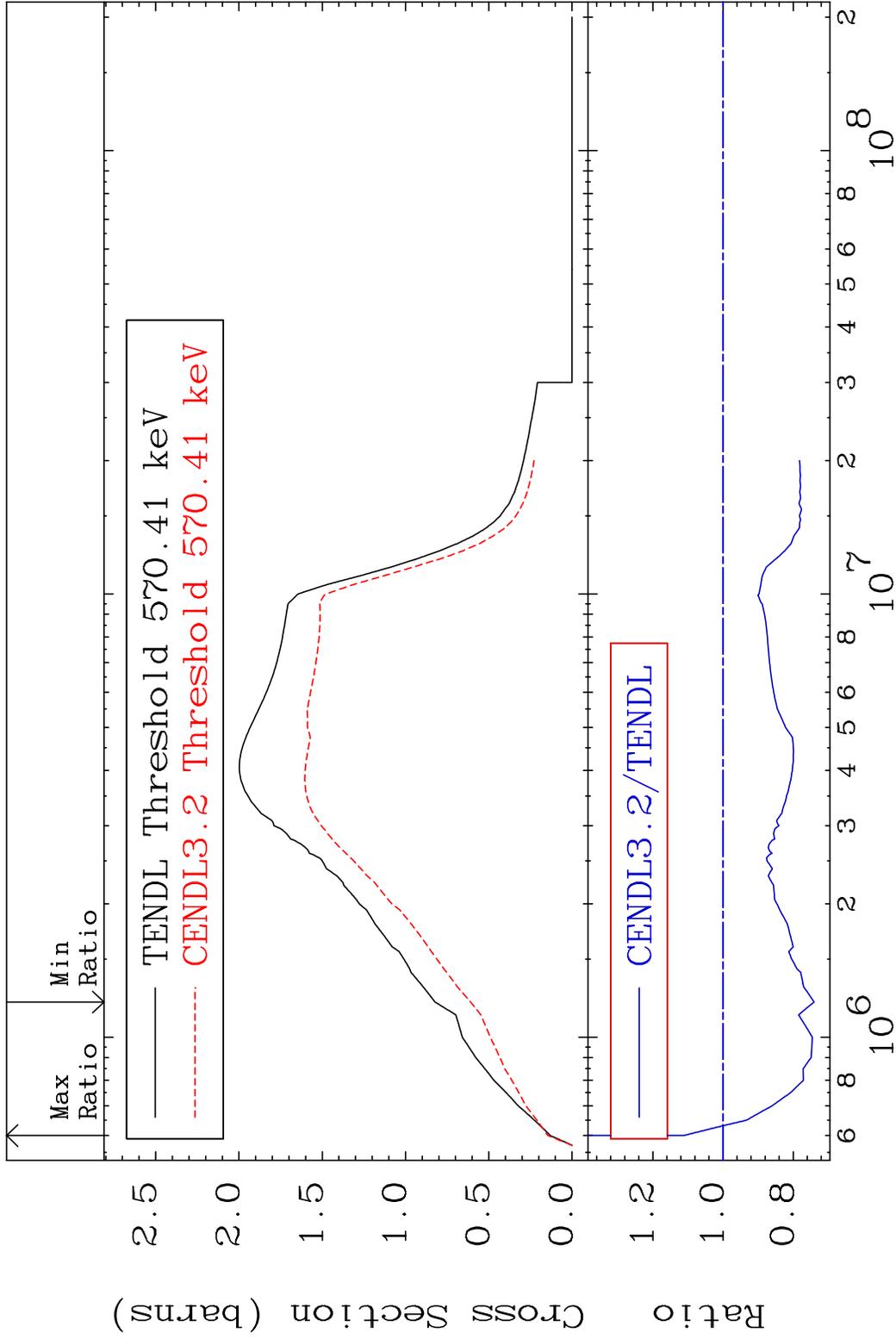


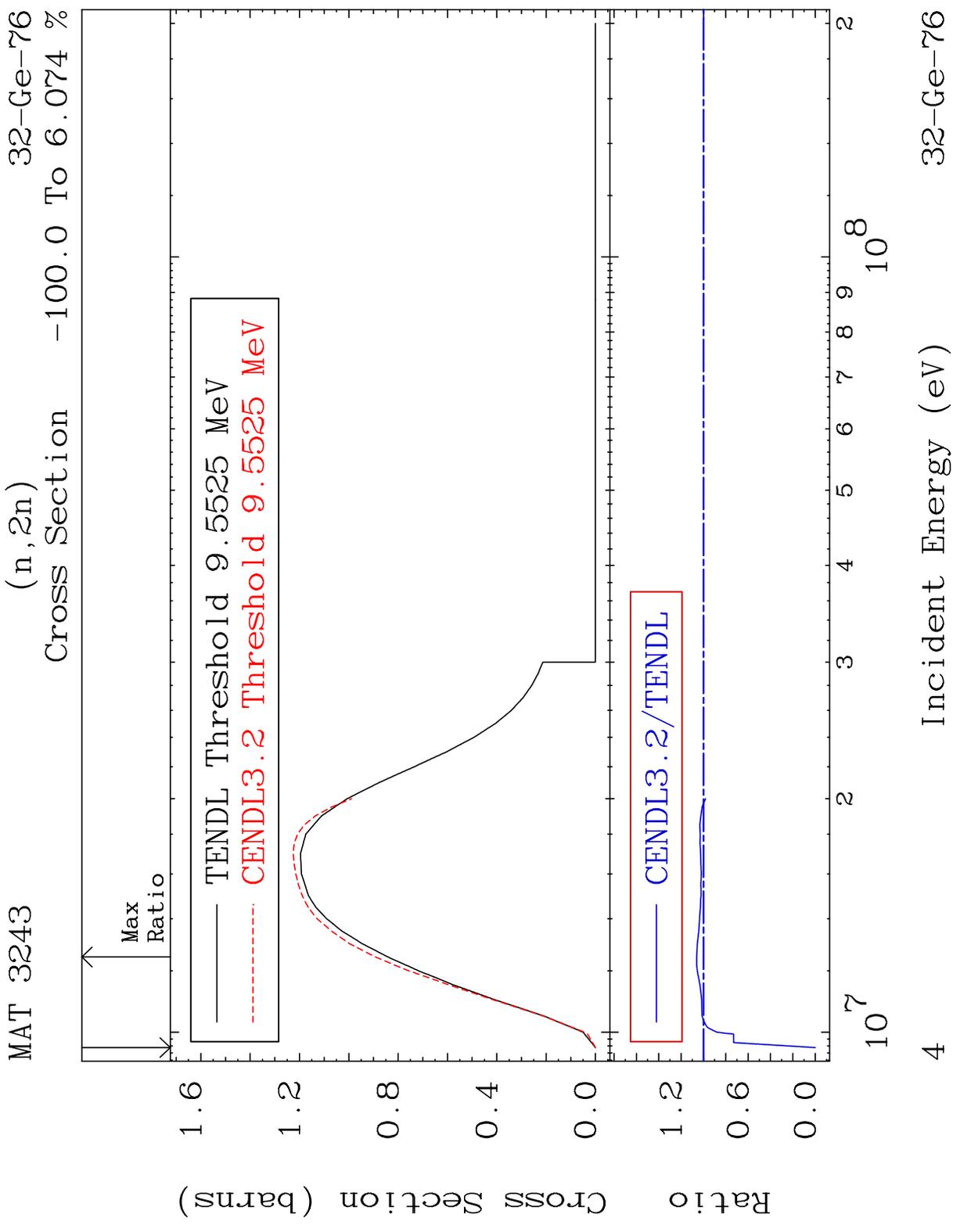
2

Incident Energy (eV)

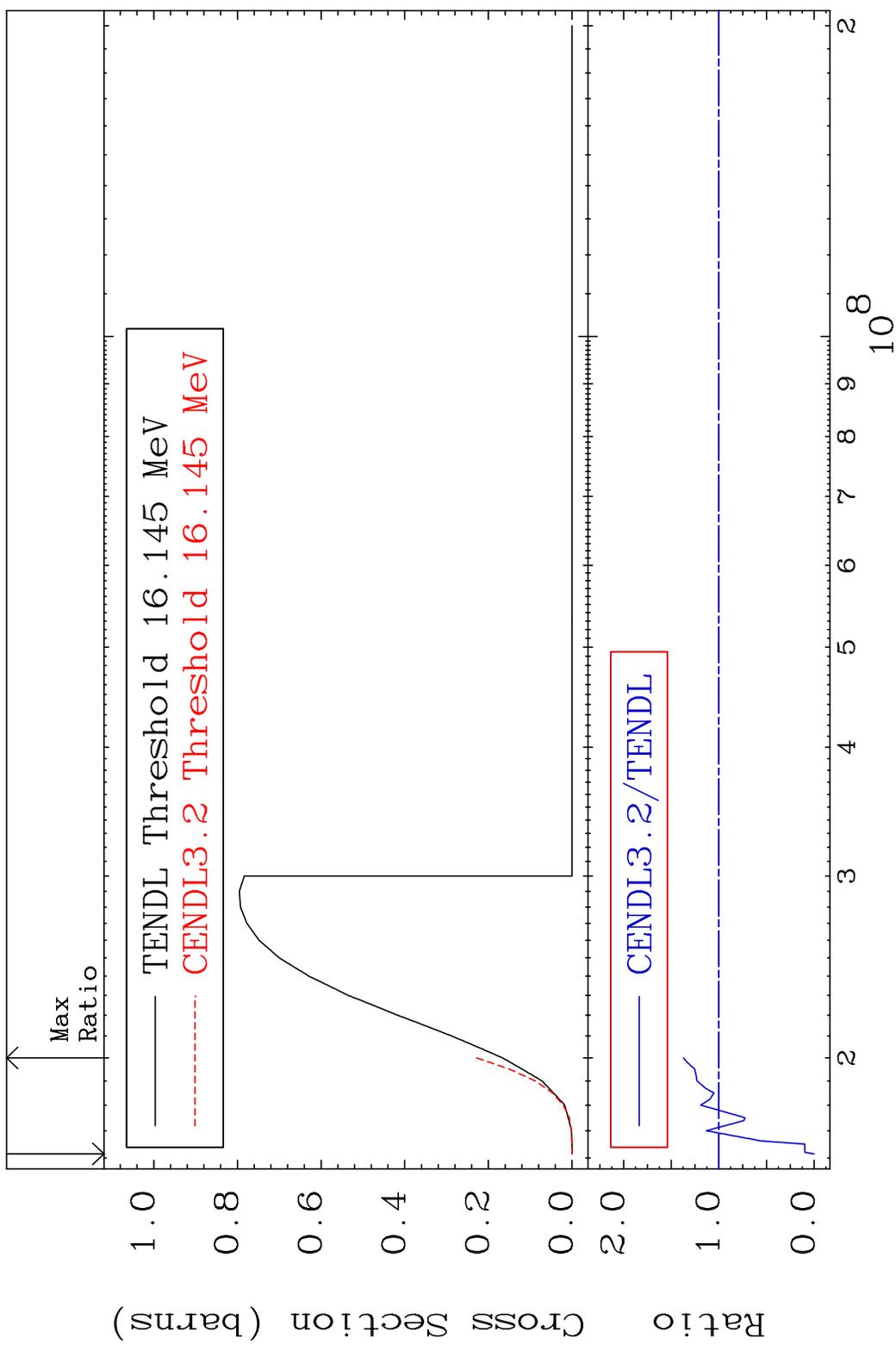
32-Ge-76

MAT 3243 Inelastic 32-Ge-76  
 Cross Section -25.94 To 11.25 %

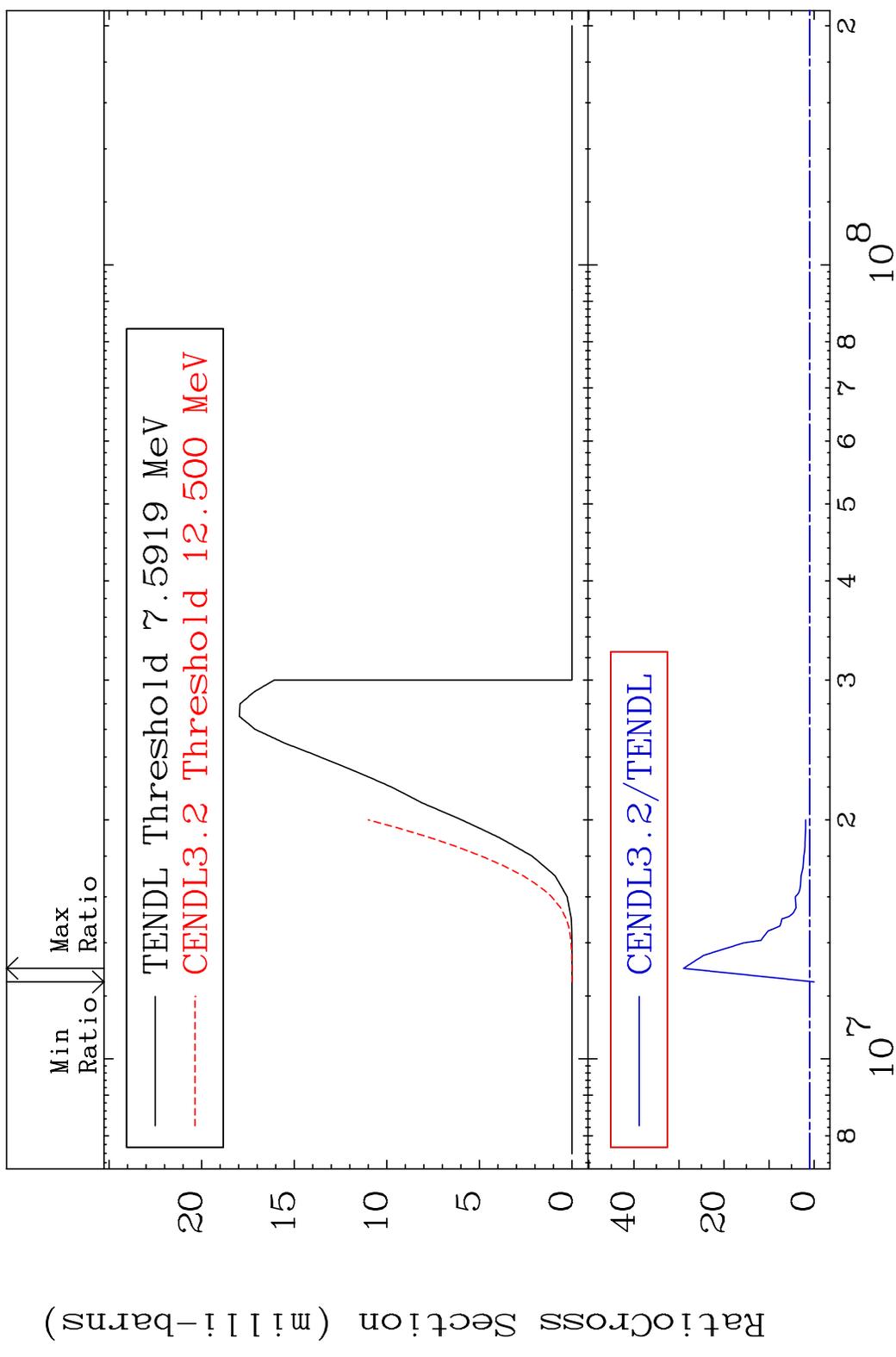




MAT 3243 (n,3n) 32-Ge-76  
 Cross Section -100.0 To 37.13 %

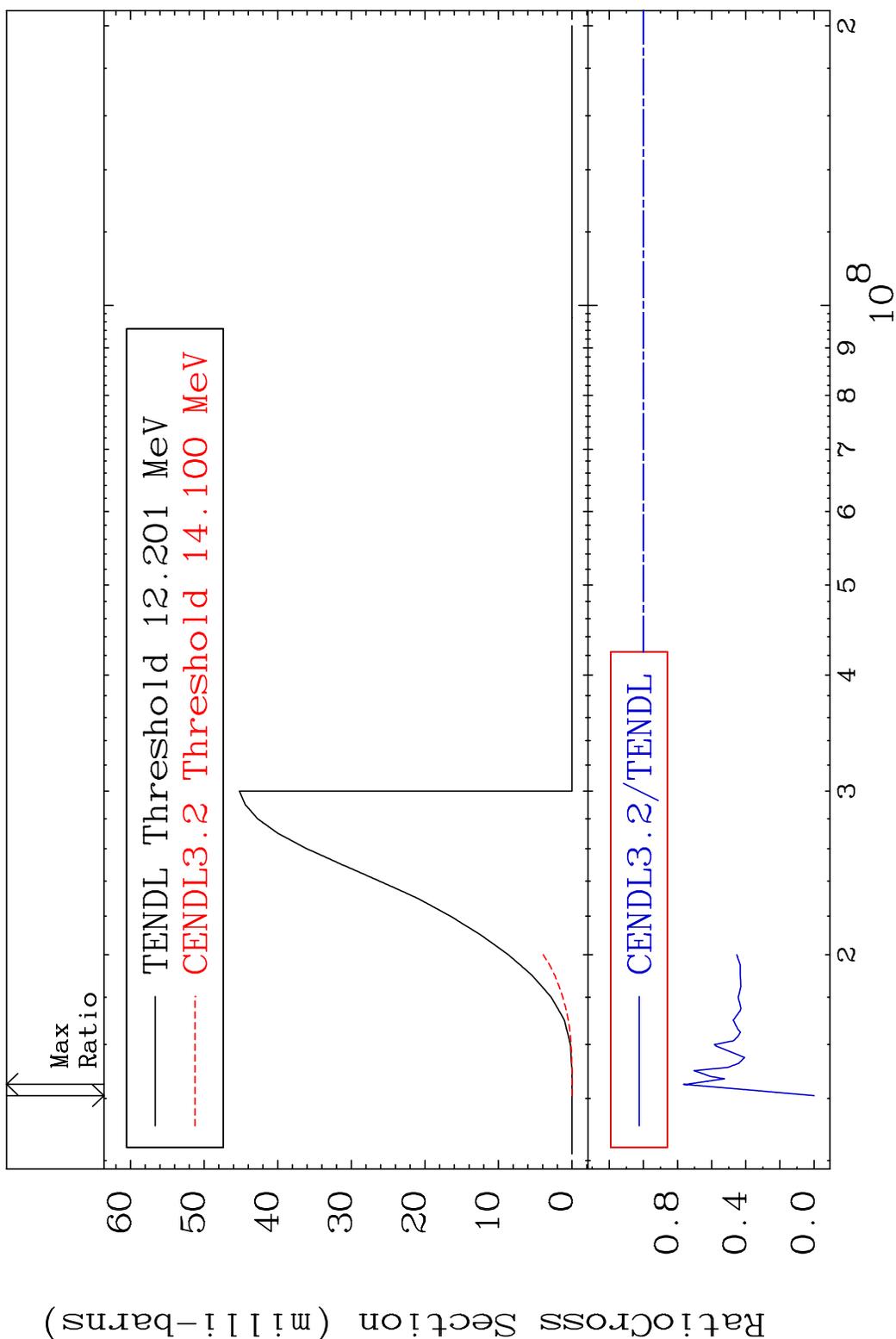


MAT 3243 (n, n')  $\alpha$  32-Ge-76  
 Cross Section -100.0 To 2798. %

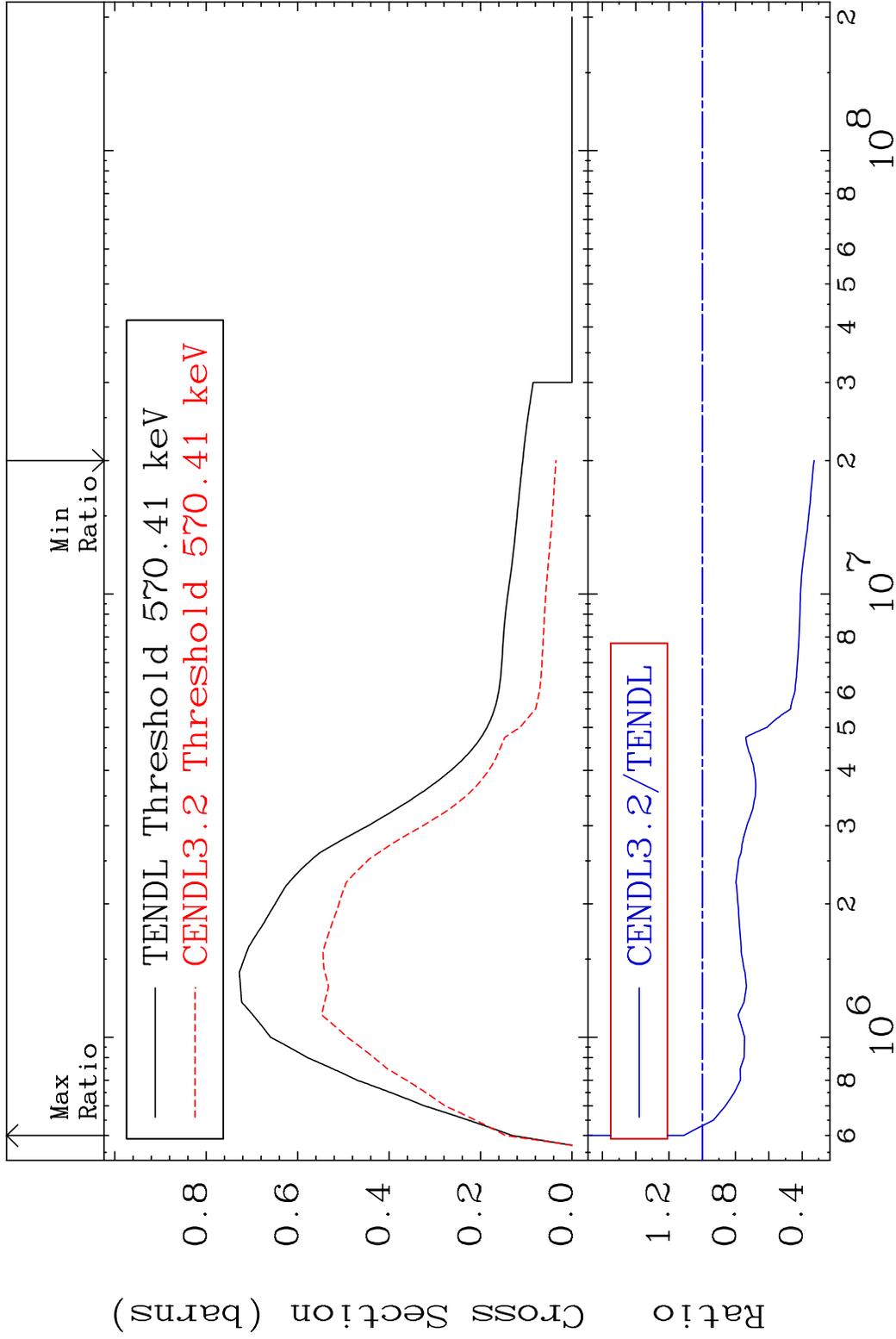


6 32-Ge-76

MAT 3243 (n, n') p 32-Ge-76  
 Cross Section -100.0 To -23.52%

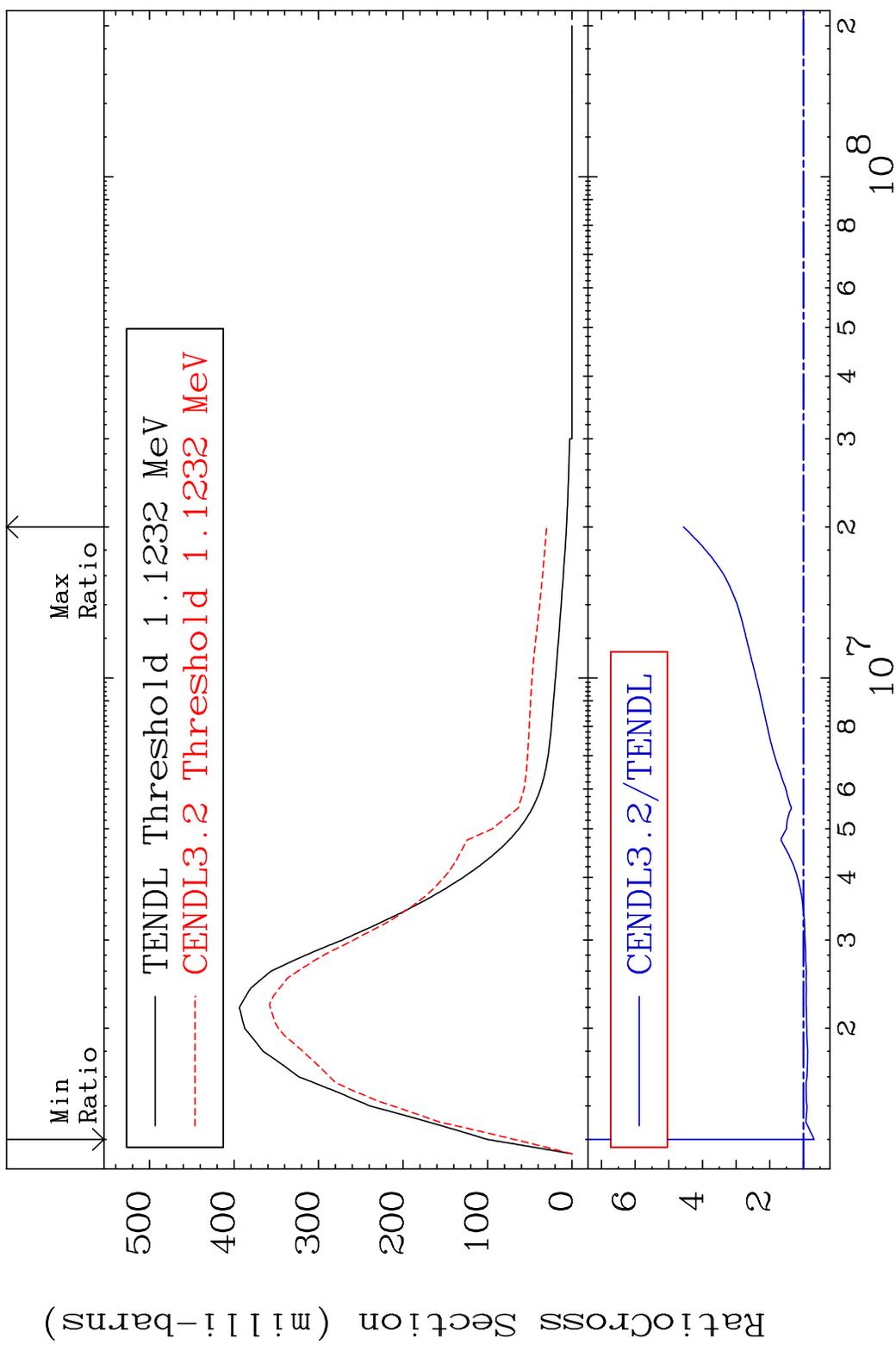


MAT 3243 MT= 51 (n, n') Level 32-Ge-76  
 Cross Section -67.17 To 11.25 %

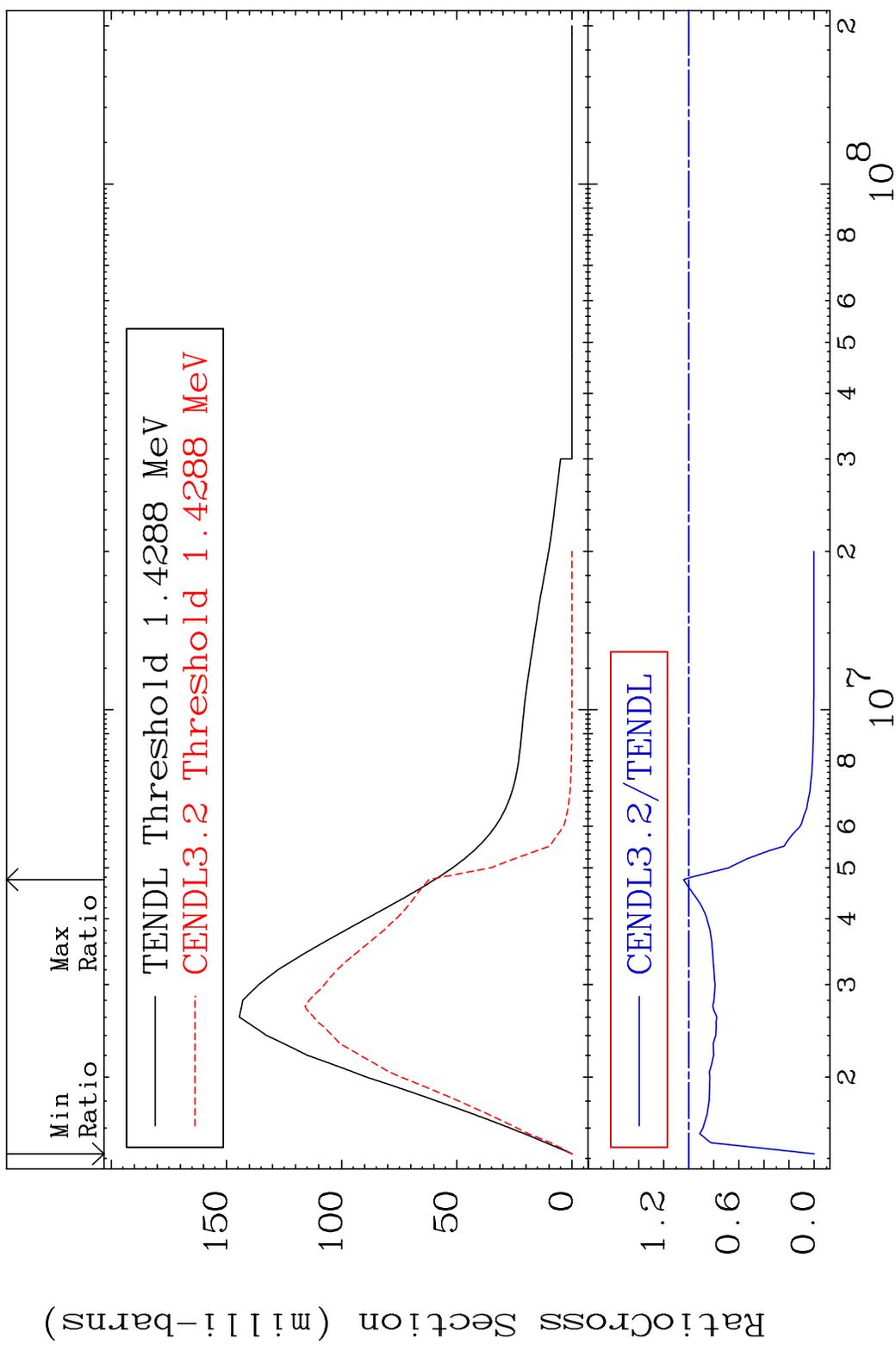


8 32-Ge-76

MAT 3243 MT= 52 (n, n') Level 32-Ge-76  
 Cross Section -31.98 To 356.2 %

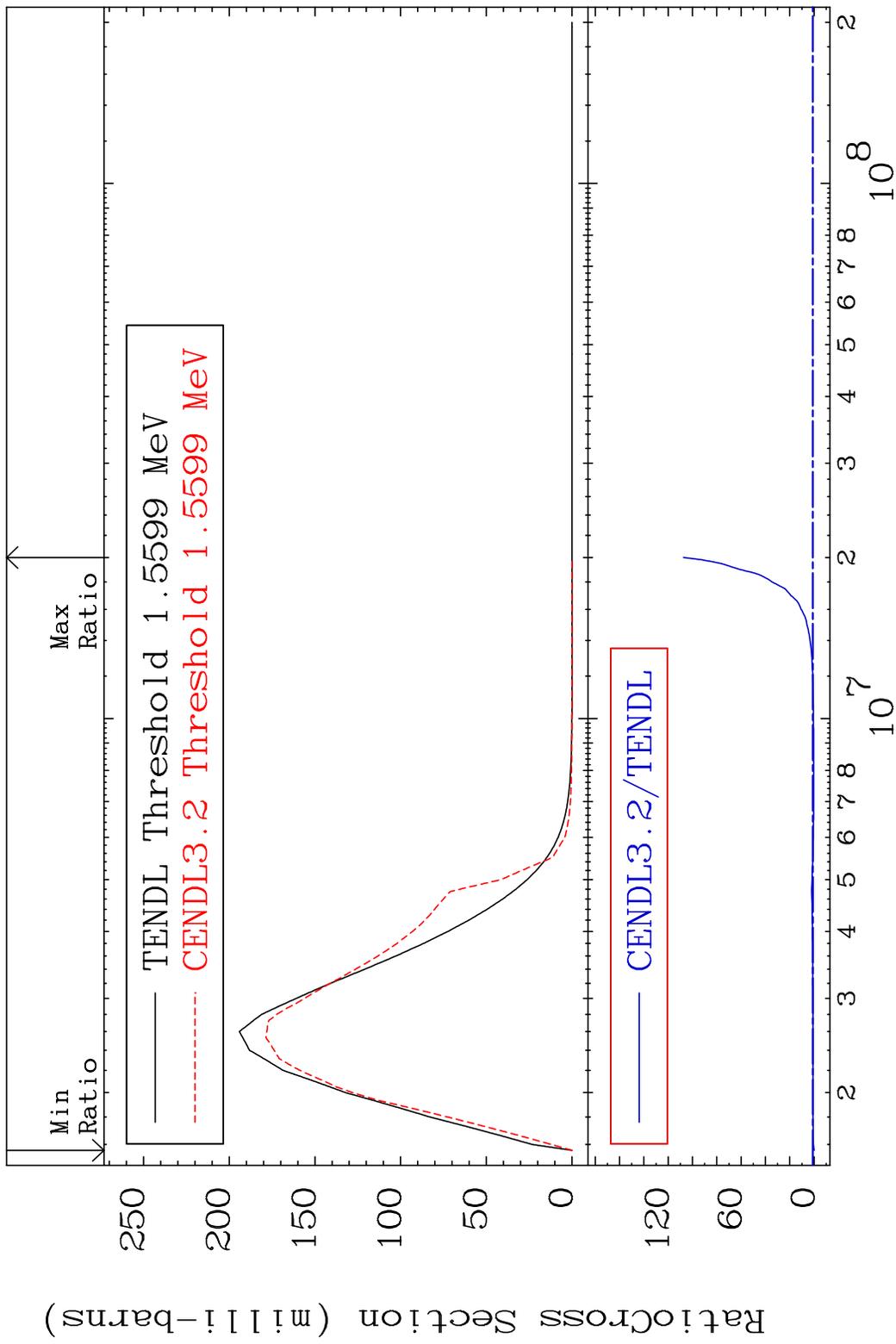


MAT 3243 MT= 53 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 4.186 %



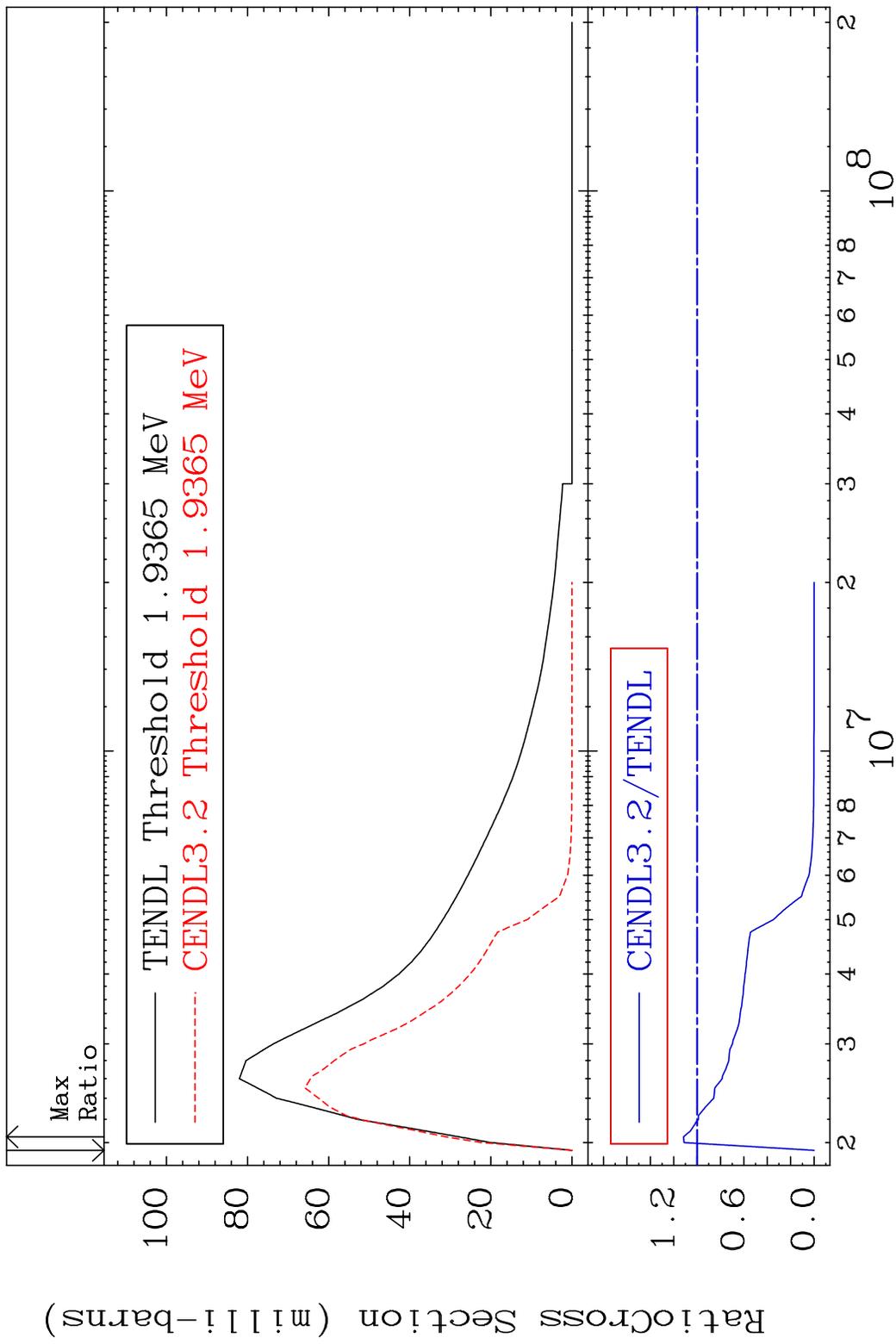
10 Incident Energy (eV) 32-Ge-76

MAT 3243 MT= 54 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 9999. %



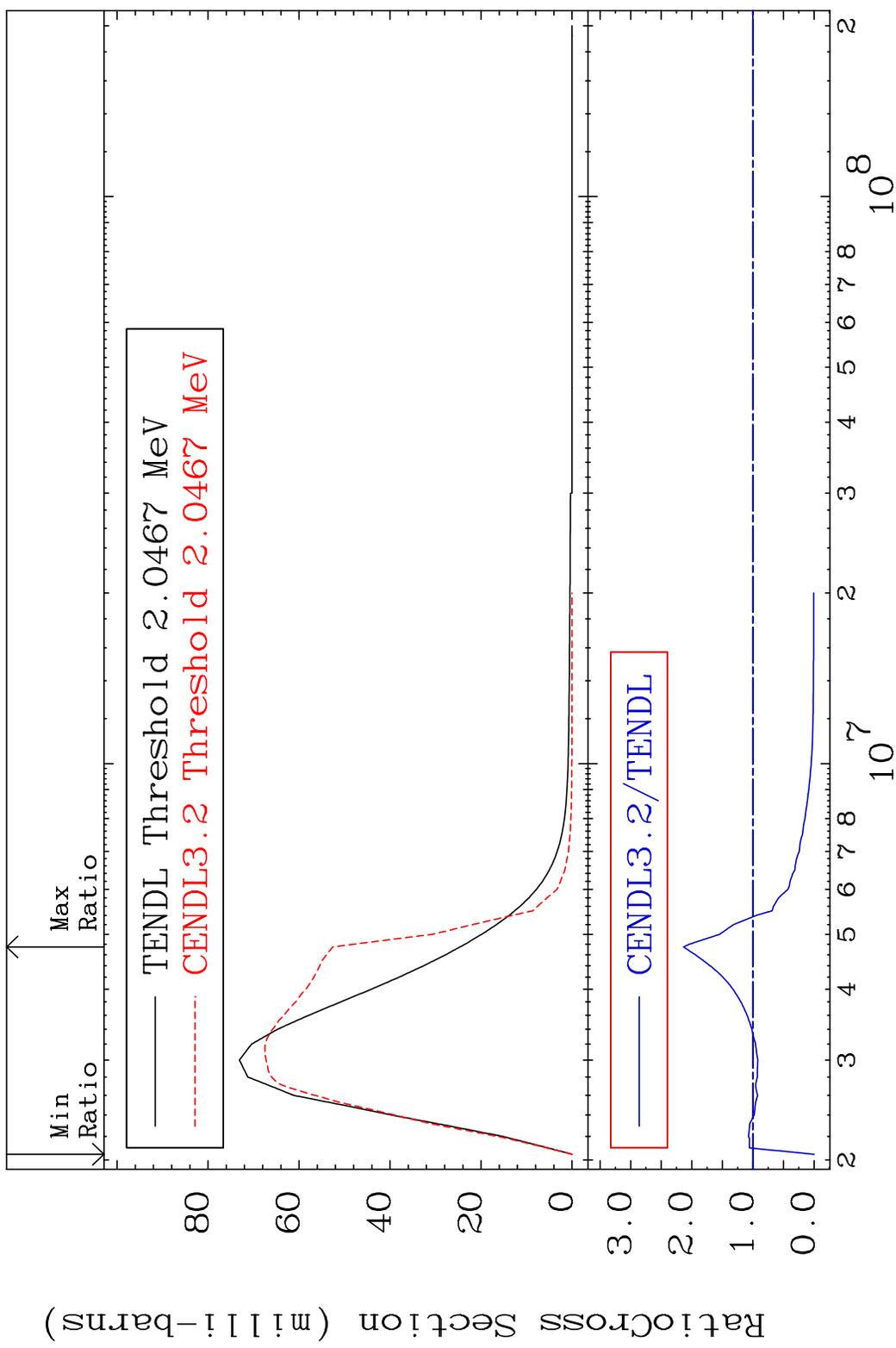
11 Incident Energy (eV) 32-Ge-76

MAT 3243 MT= 55 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 11.63 %



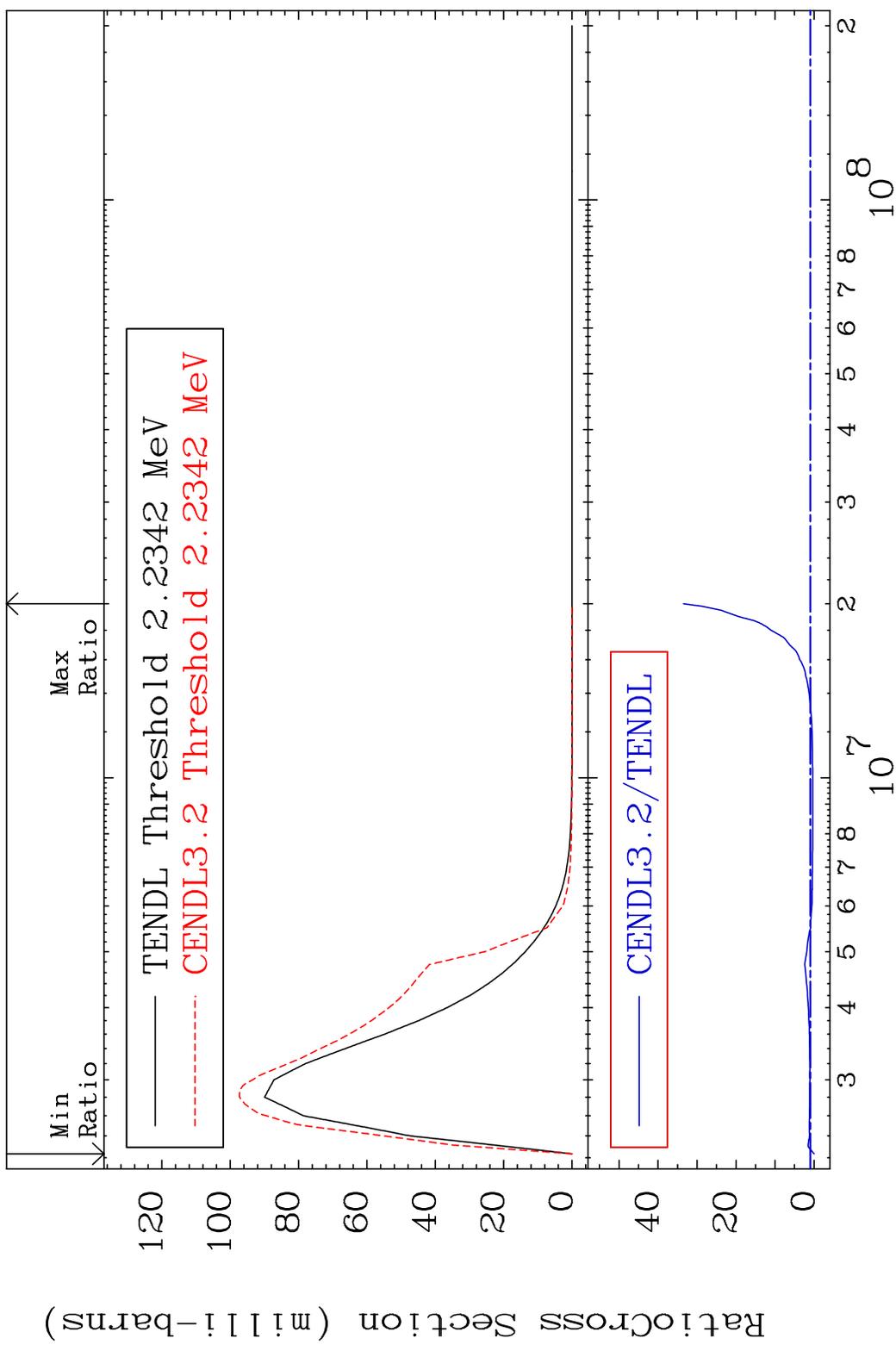
12 Incident Energy (eV) 32-Ge-76

MAT 3243 MT= 56 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 113.5 %



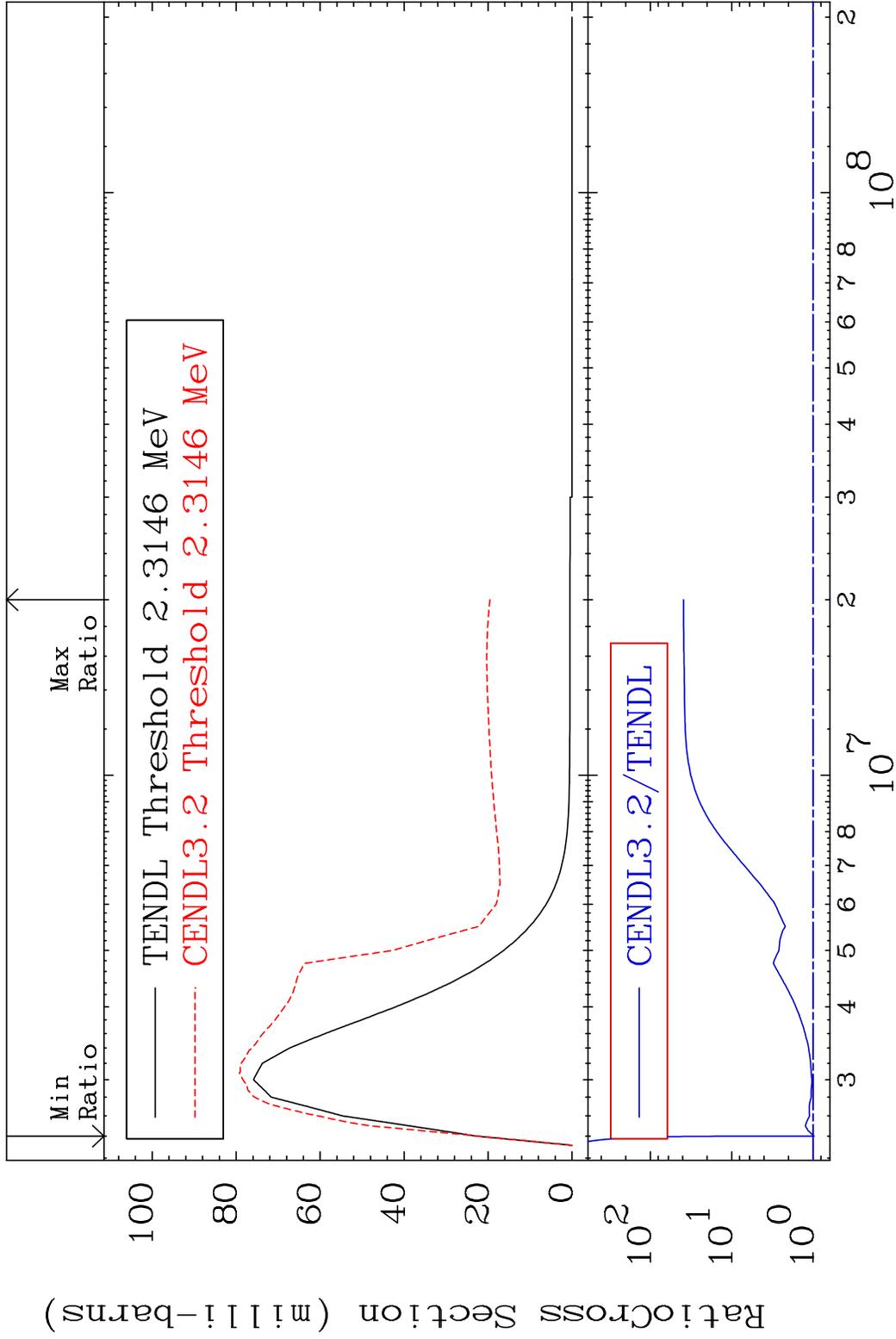
13 Incident Energy (eV) 32-Ge-76

MAT 3243 MT= 57 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 3247. %



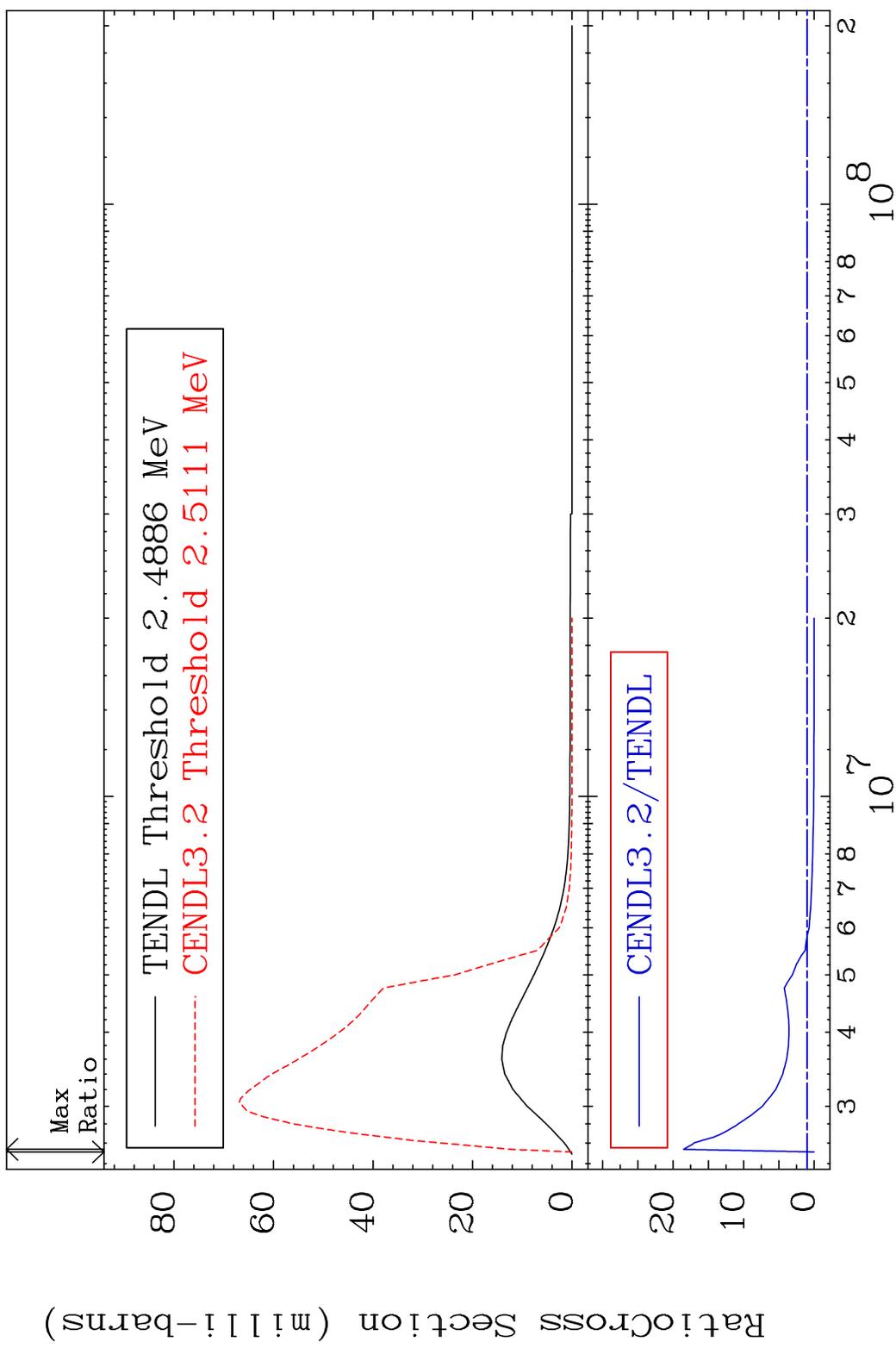
14 Incident Energy (eV) 32-Ge-76

MAT 3243 MT= 58 (n, n') Level 32-Ge-76  
 Cross Section -2.769 To 3808. %



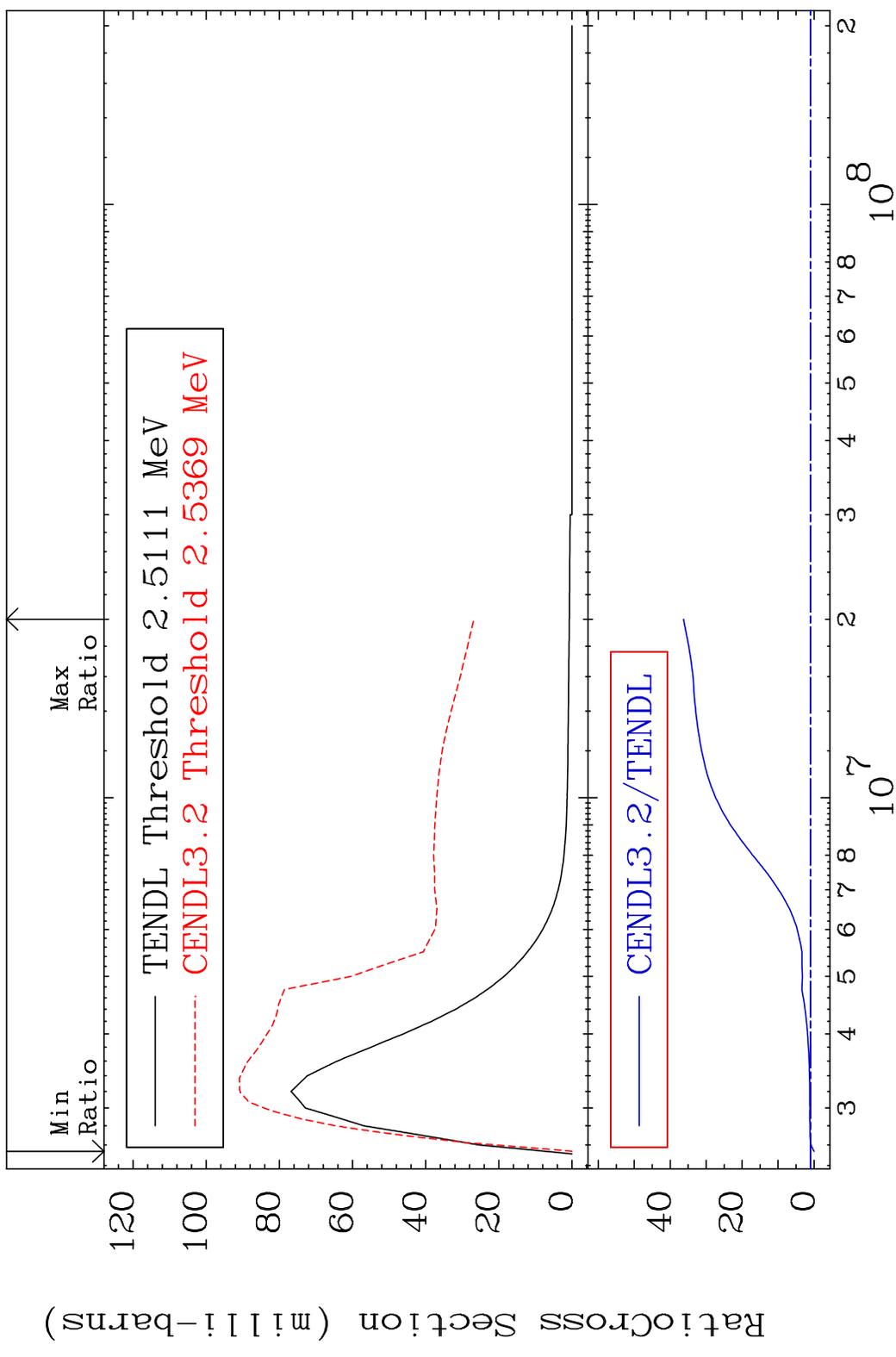
15 Incident Energy (eV) 32-Ge-76

MAT 3243 MT= 59 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 1753. %



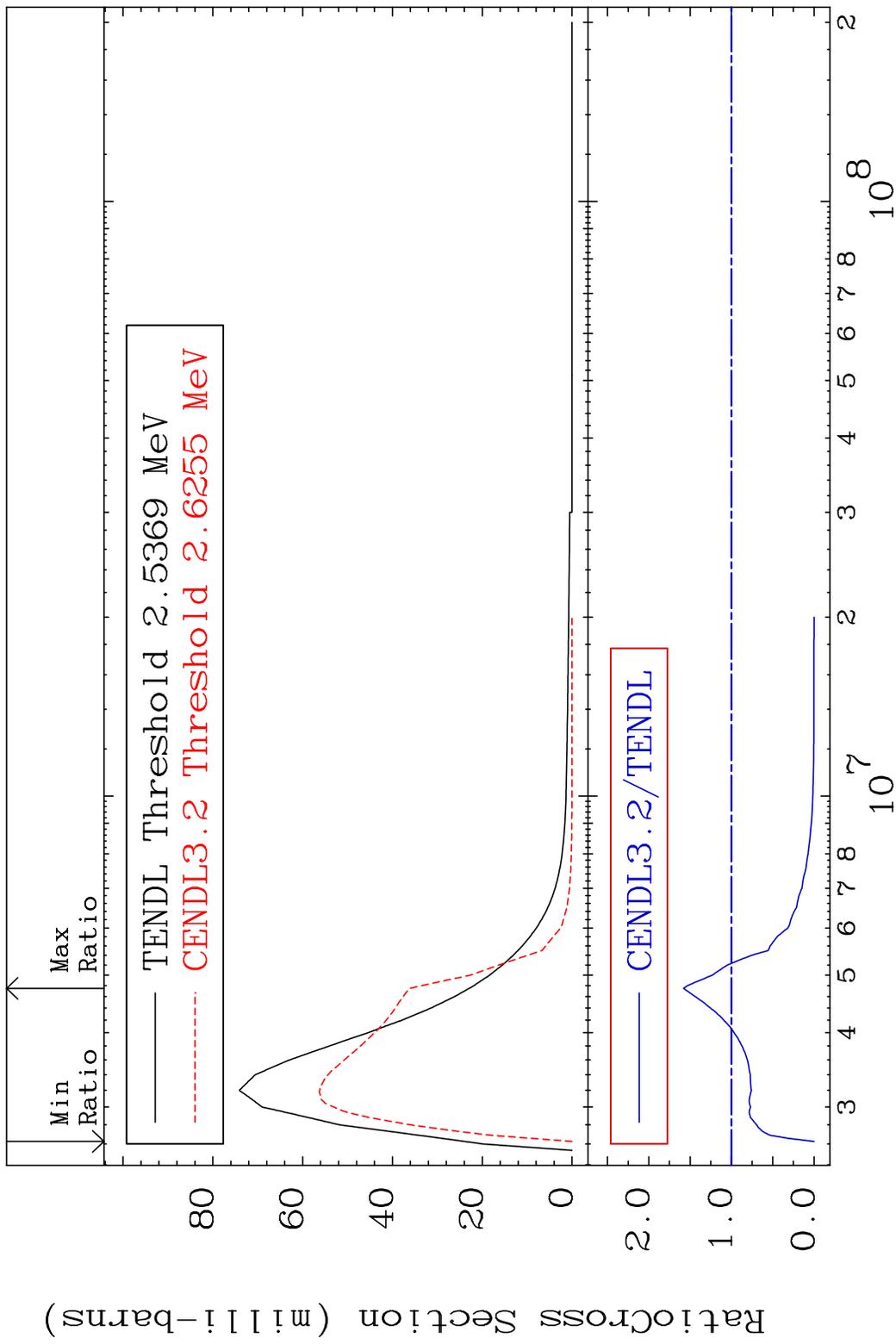
16 Incident Energy (eV) 32-Ge-76

MAT 3243 MT= 60 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 3530. %



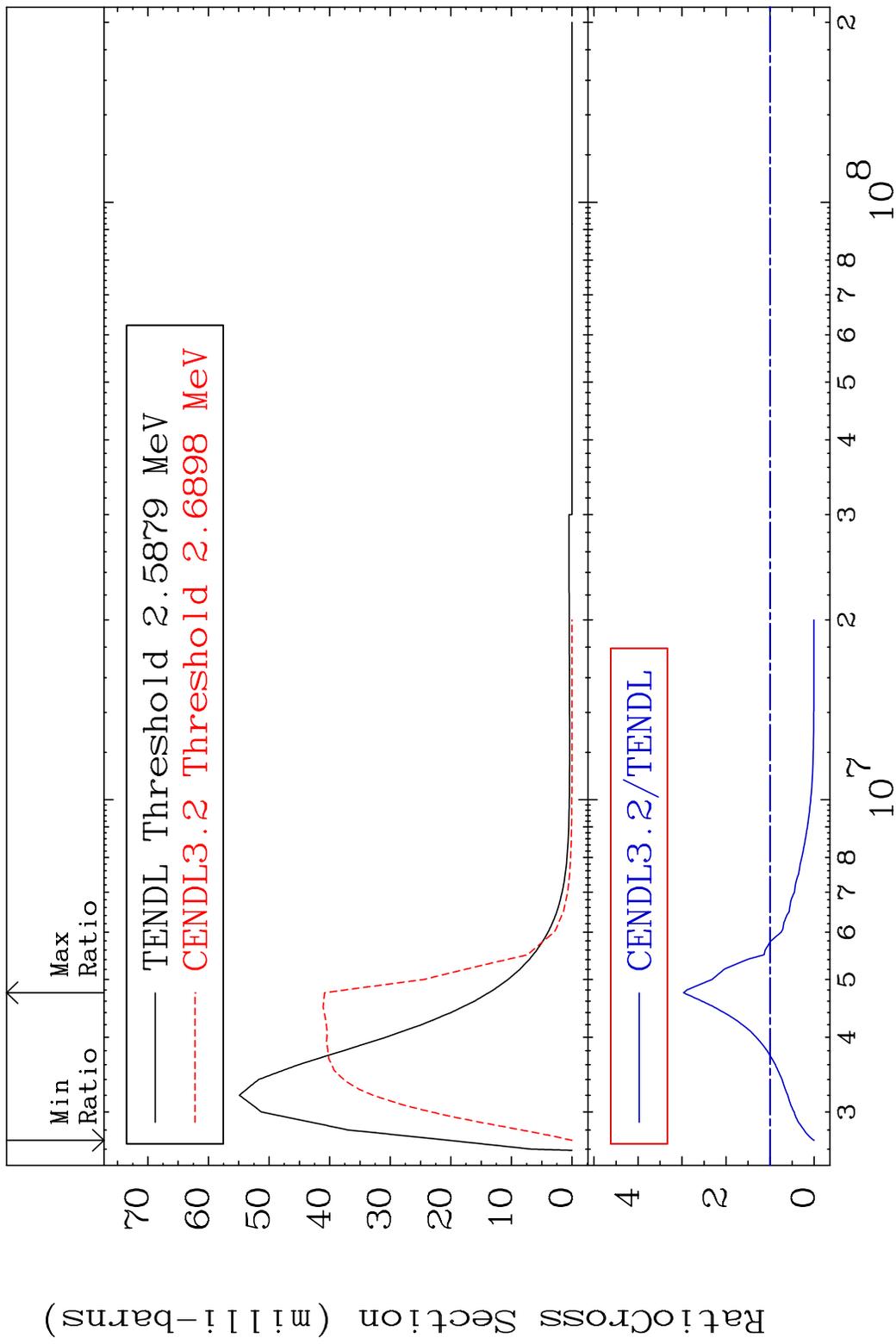
17 Incident Energy (eV) 32-Ge-76

MAT 3243 MT= 61 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 57.98 %



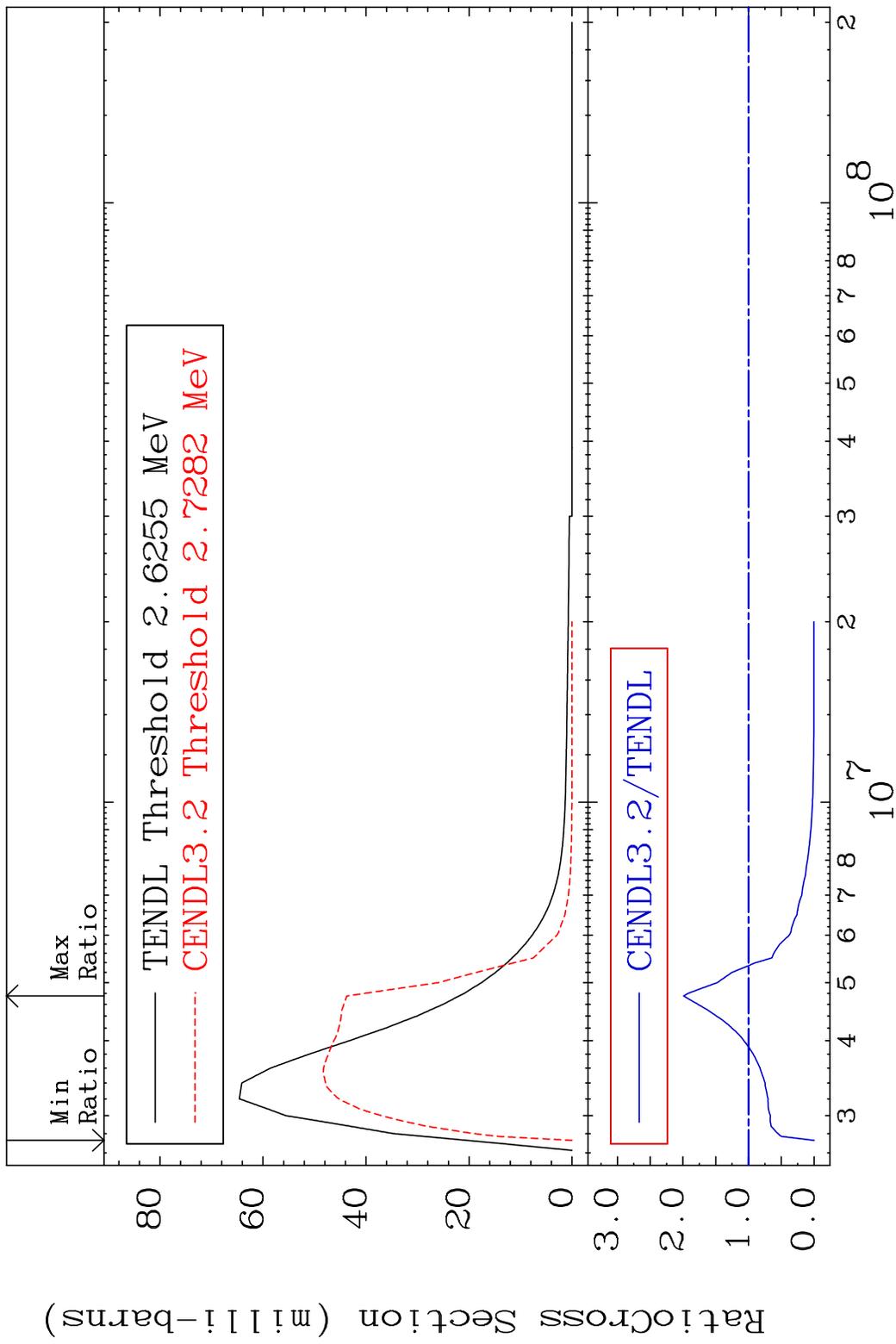
18 Incident Energy (eV) 32-Ge-76

MAT 3243 MT= 62 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 196.6 %



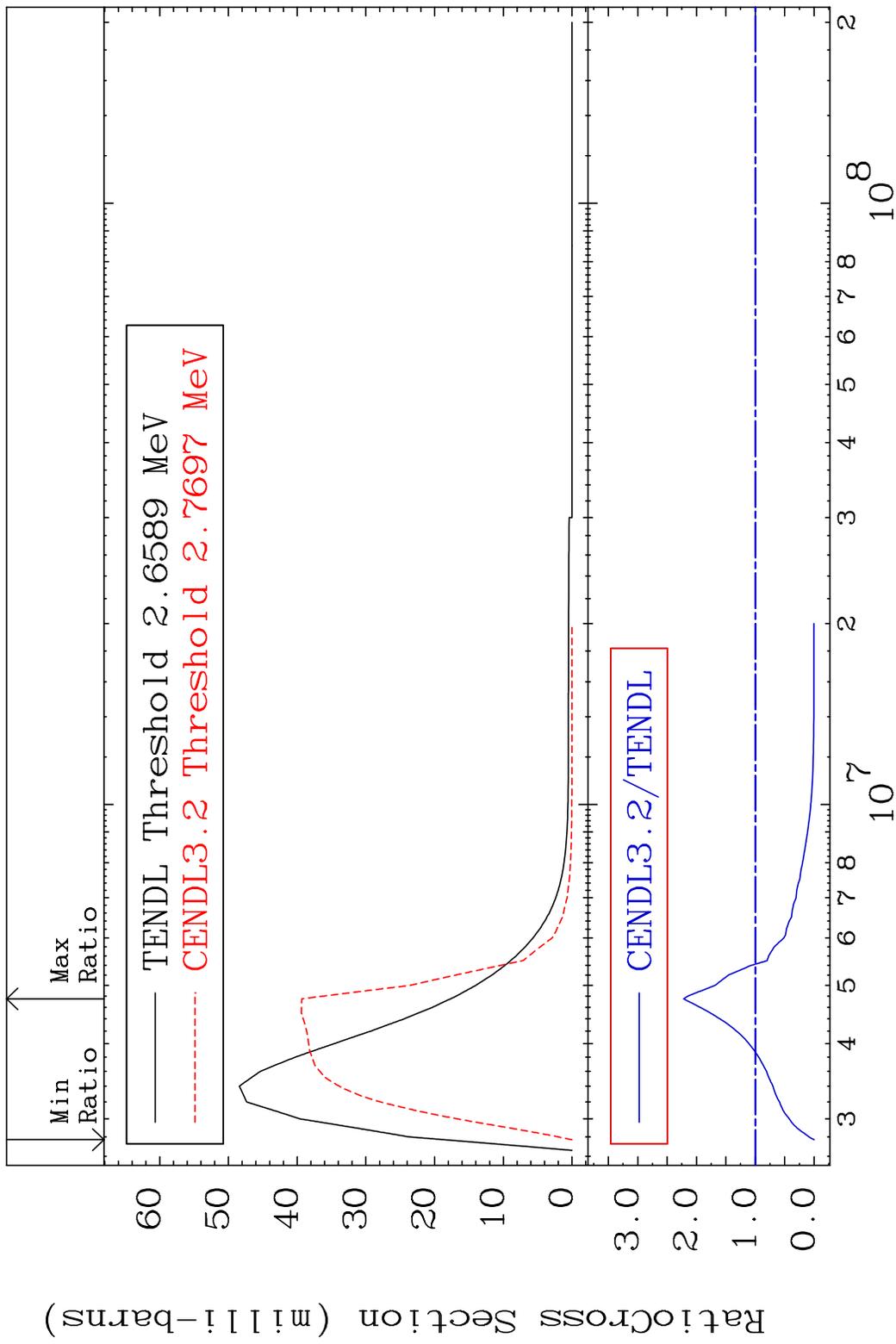
19 Incident Energy (eV) 32-Ge-76

MAT 3243 MT= 63 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 99.13 %

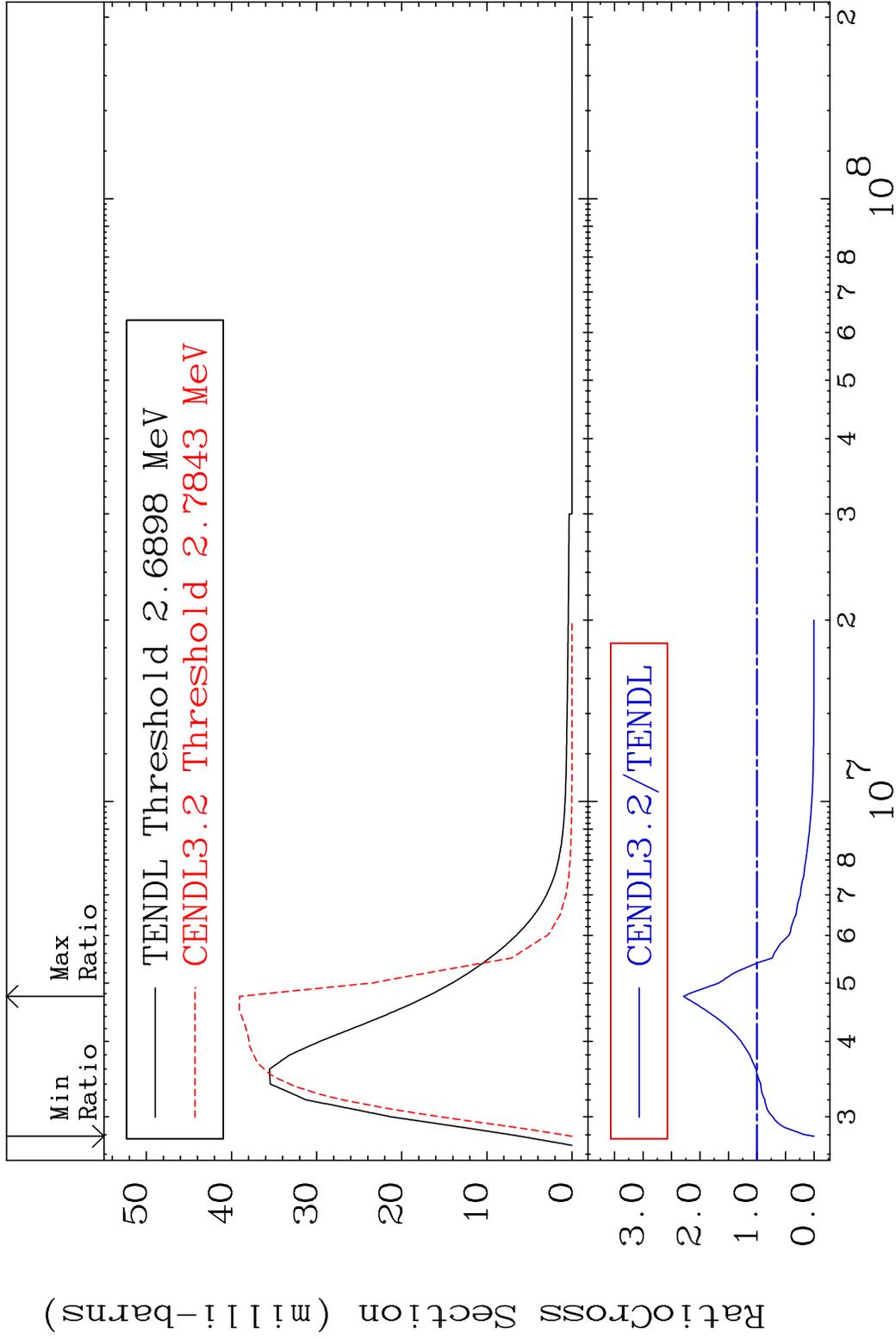


20 Incident Energy (eV) 32-Ge-76

MAT 3243 MT= 64 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 122.1 %

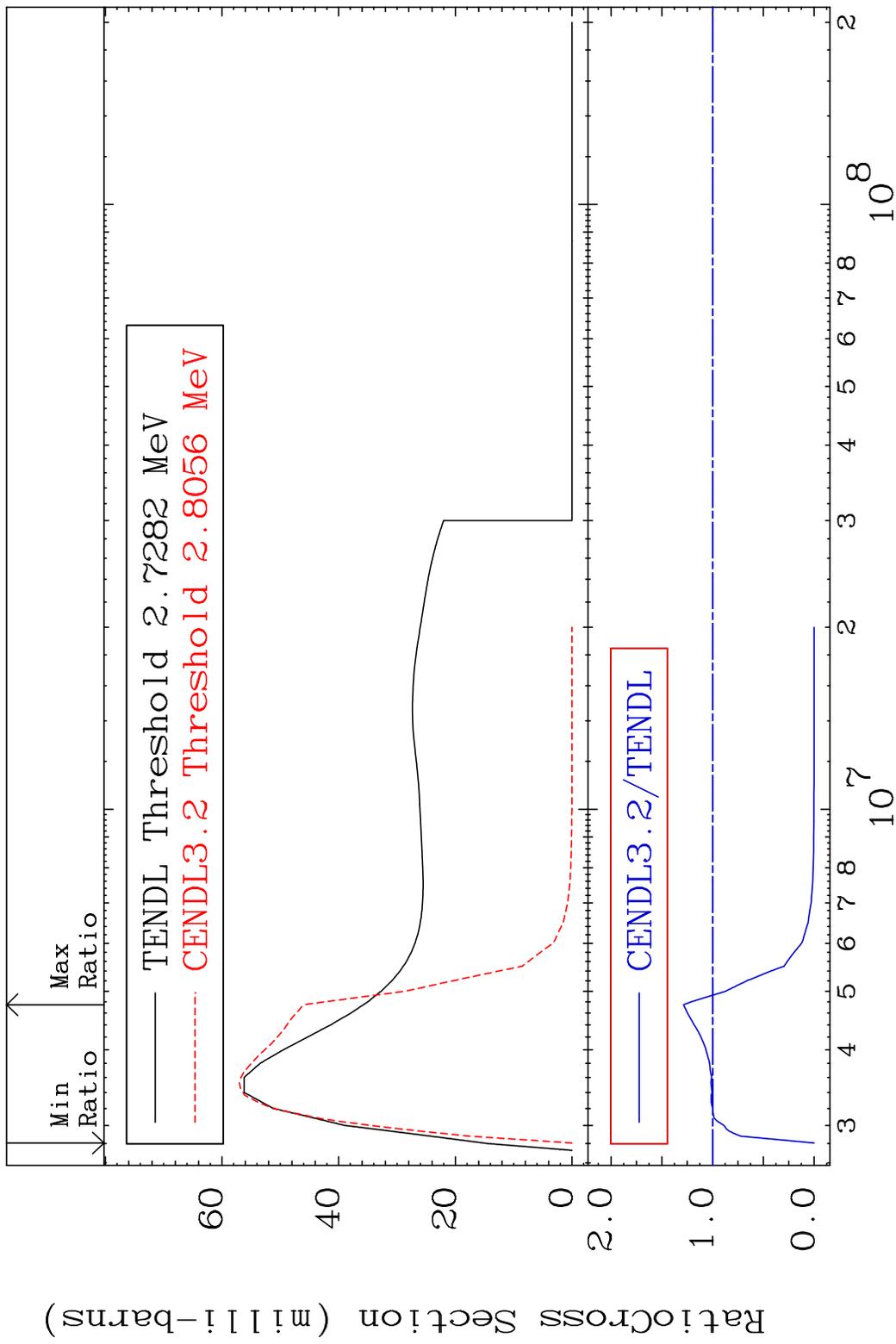


MAT 3243 MT= 65 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 129.0 %

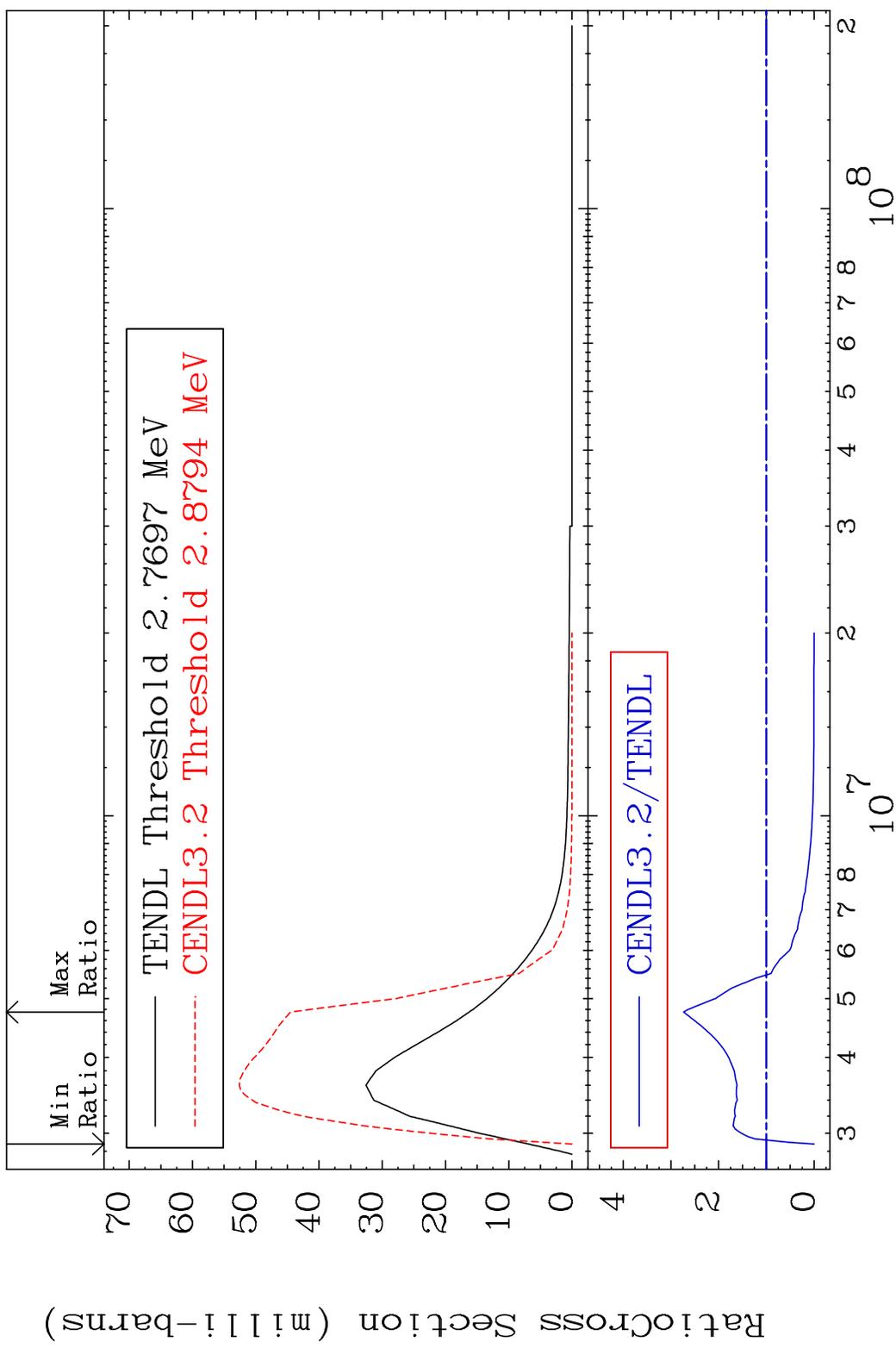


22 Incident Energy (eV) 32-Ge-76

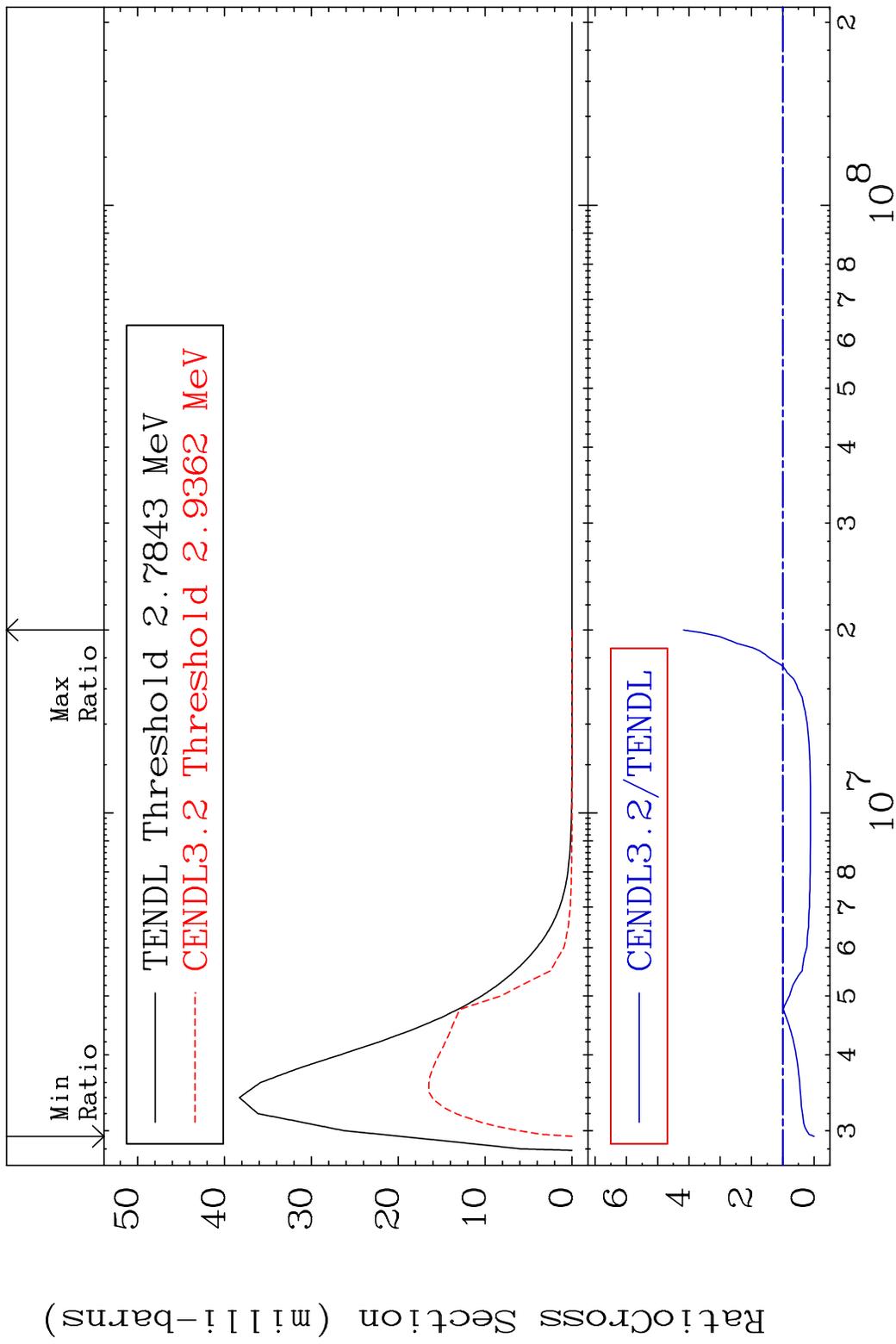
MAT 3243 MT= 66 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 28.60 %



MAT 3243 MT= 67 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 173.6 %

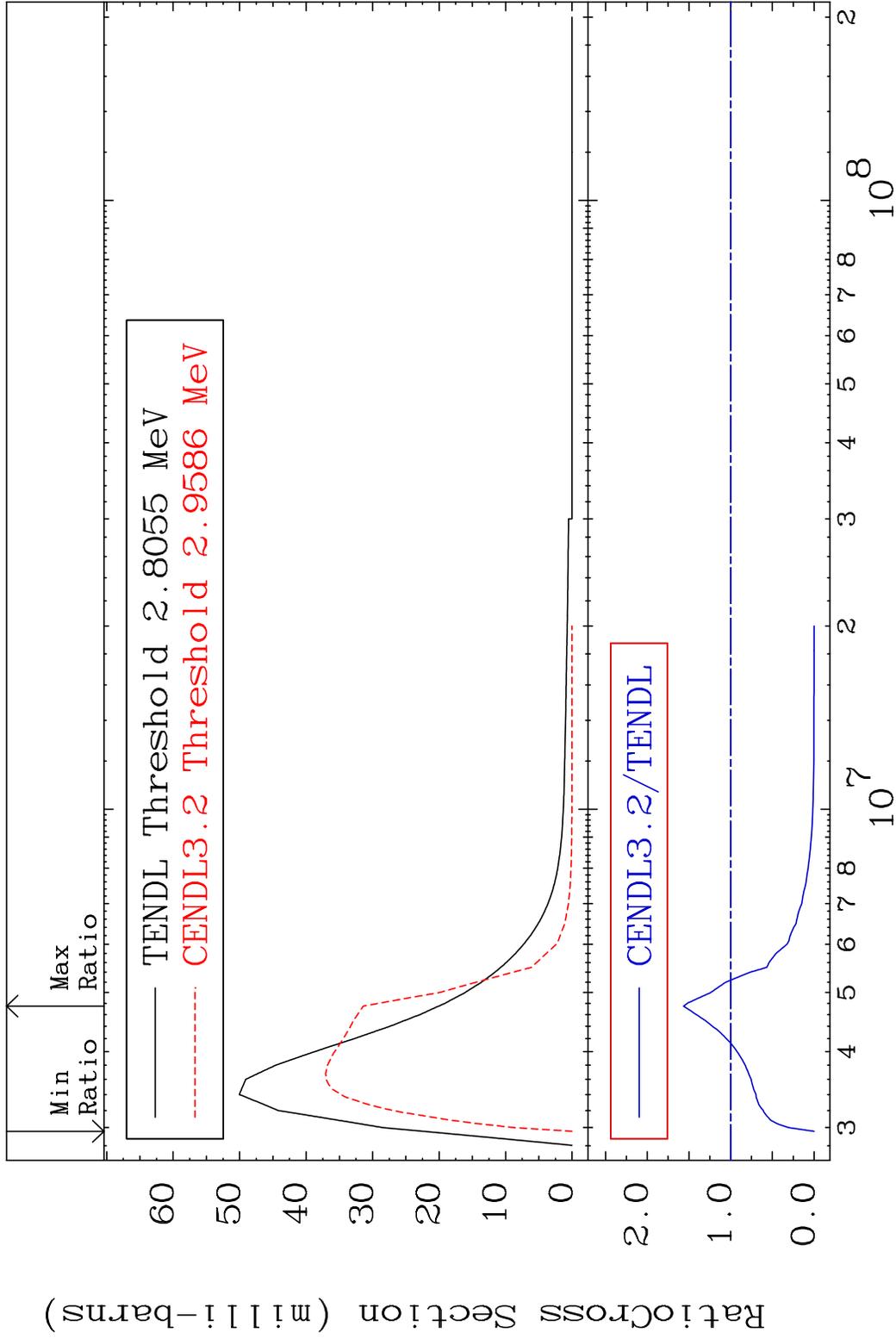


MAT 3243 MT= 68 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 317.4 %

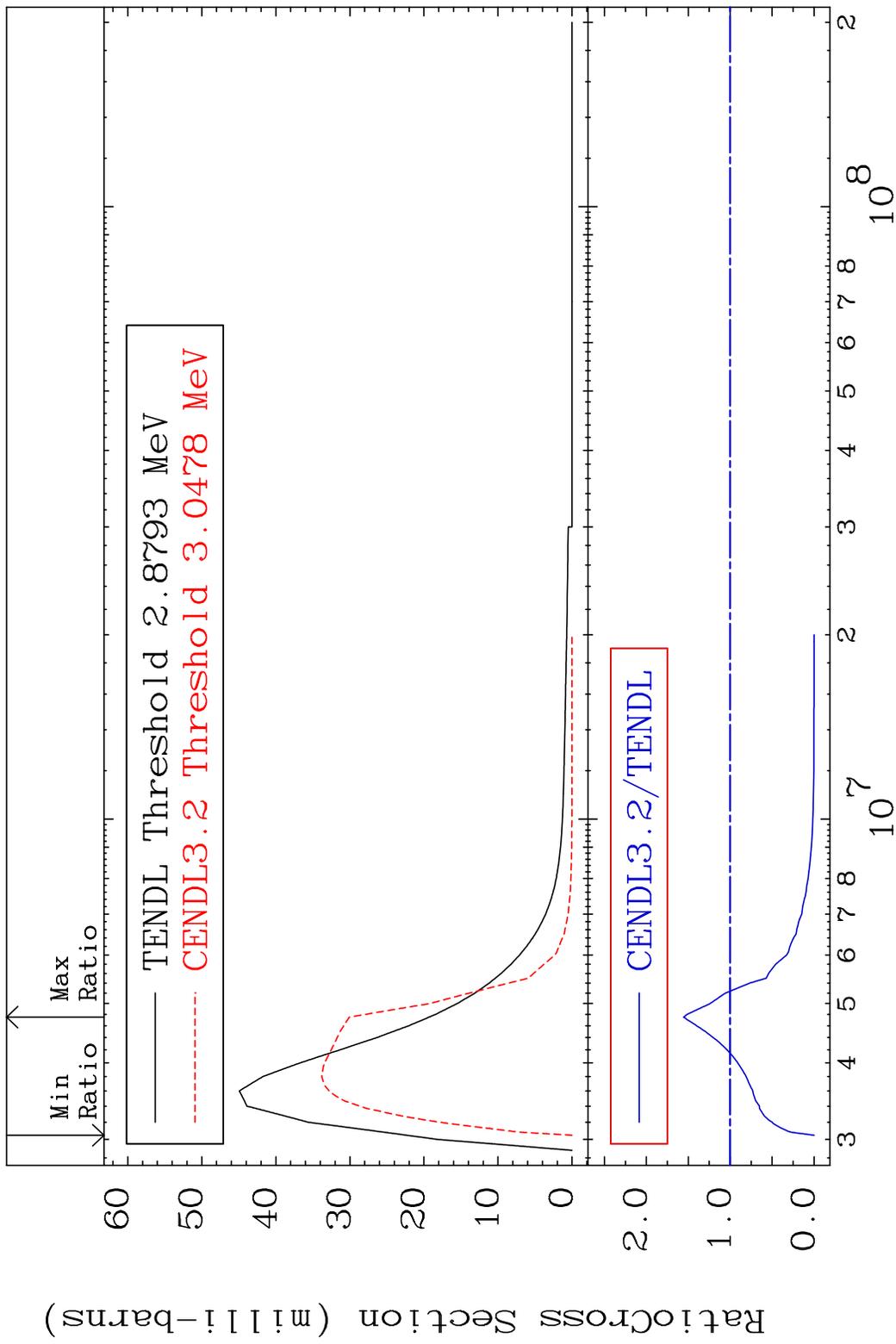


25 Incident Energy (eV) 32-Ge-76

MAT 3243 MT= 69 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 56.49 %

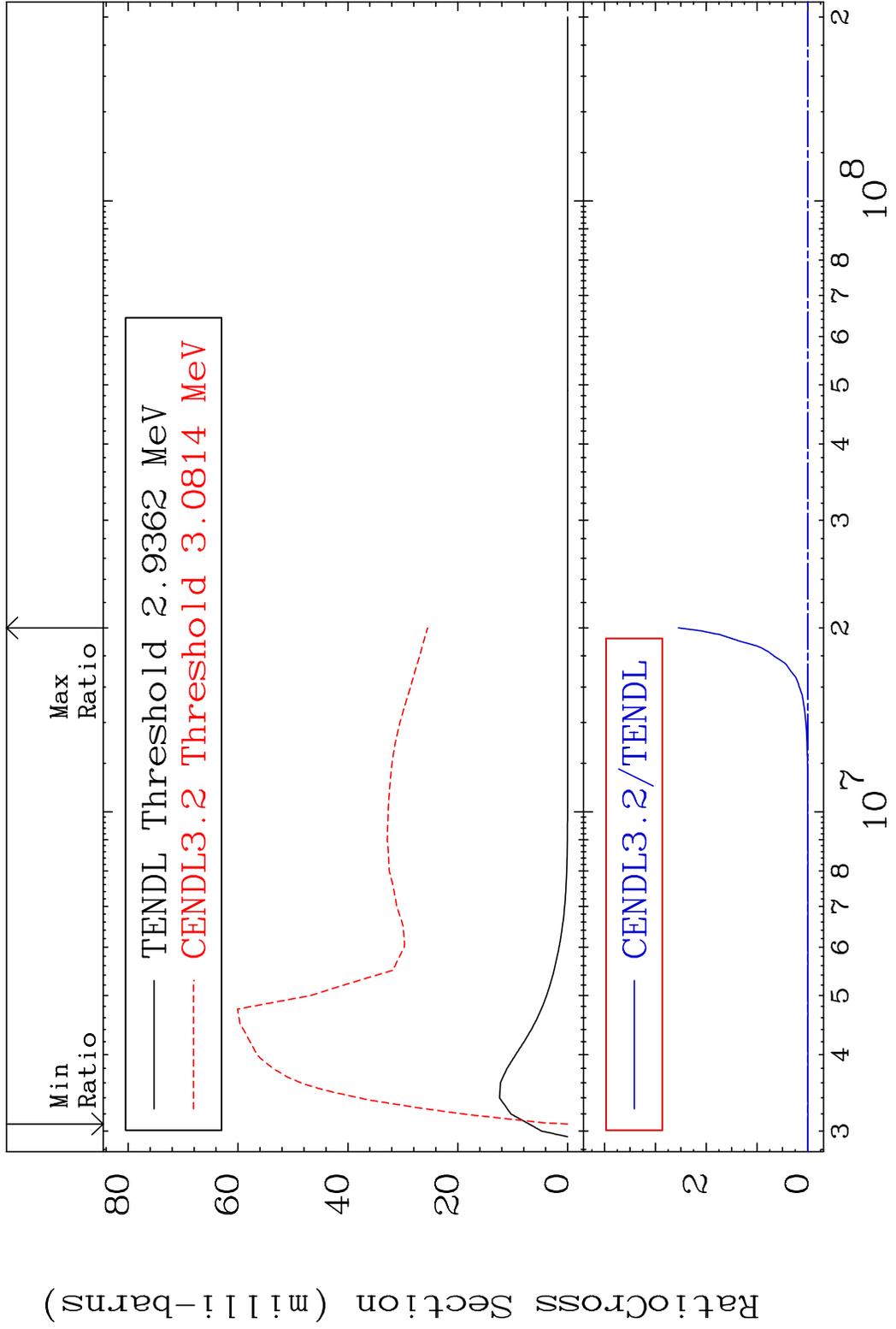


MAT 3243 MT= 70 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 55.71 %

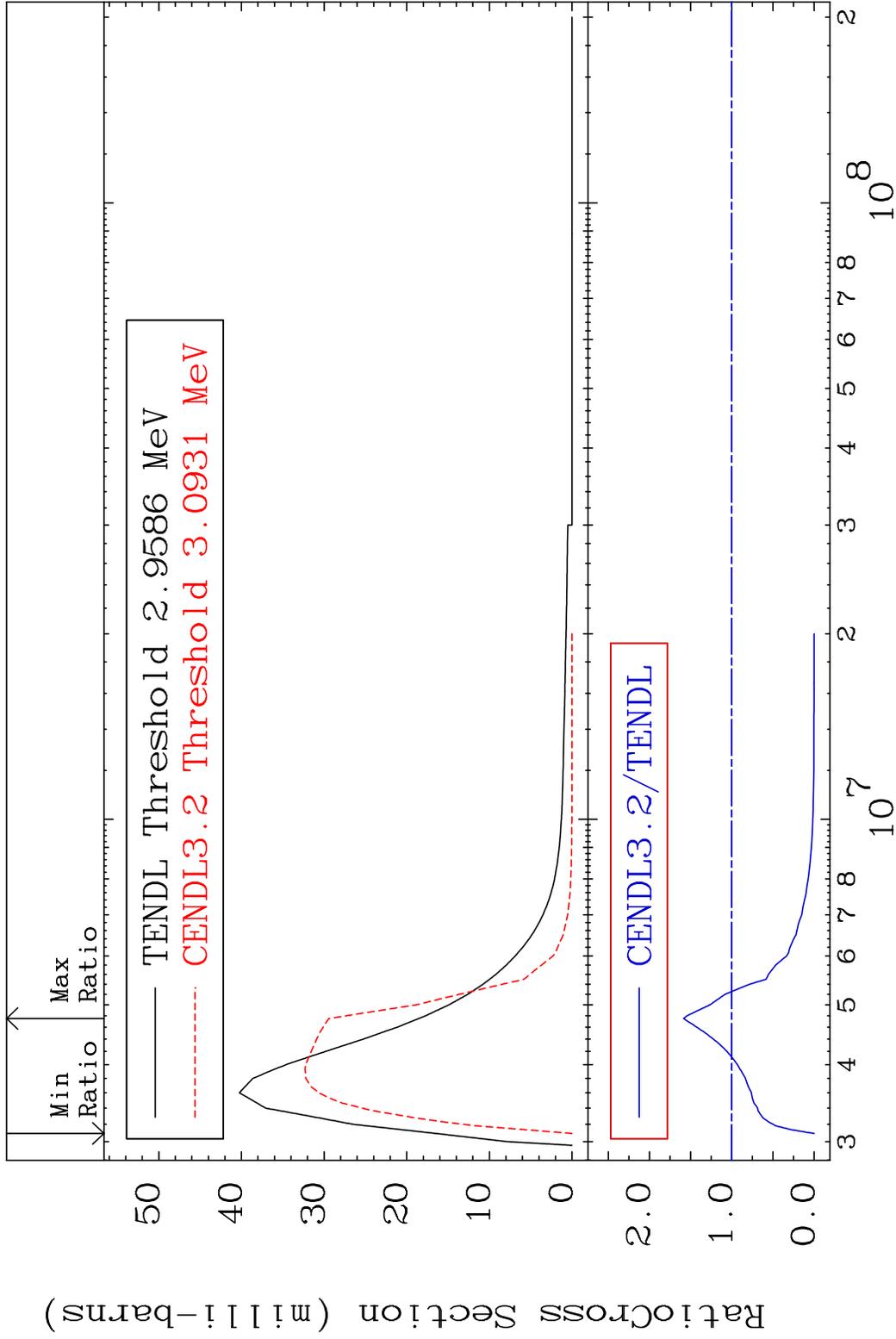


27 Incident Energy (eV) 32-Ge-76

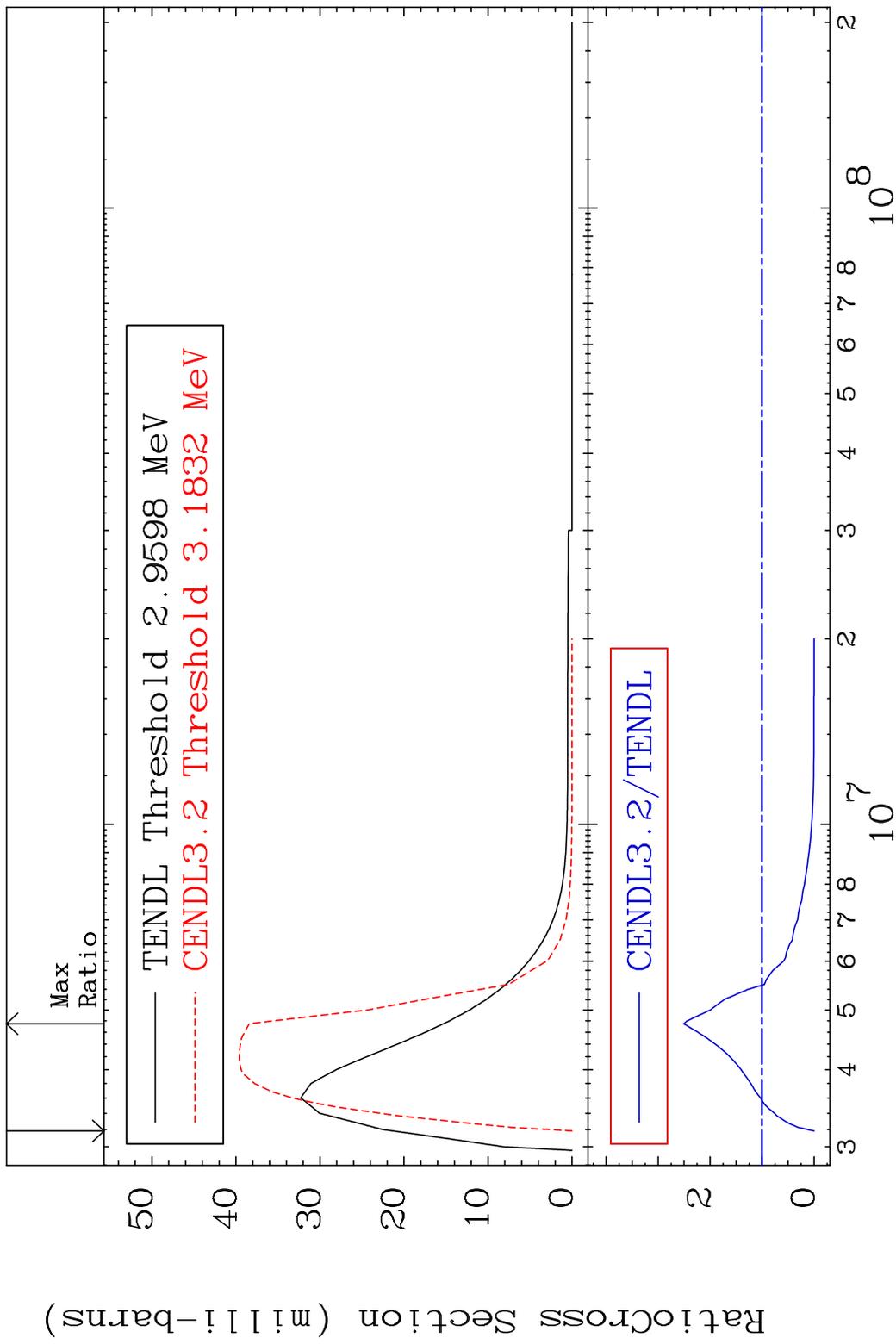
MAT 3243 MT= 71 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 9999. %



MAT 3243 MT= 72 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 58.57 %

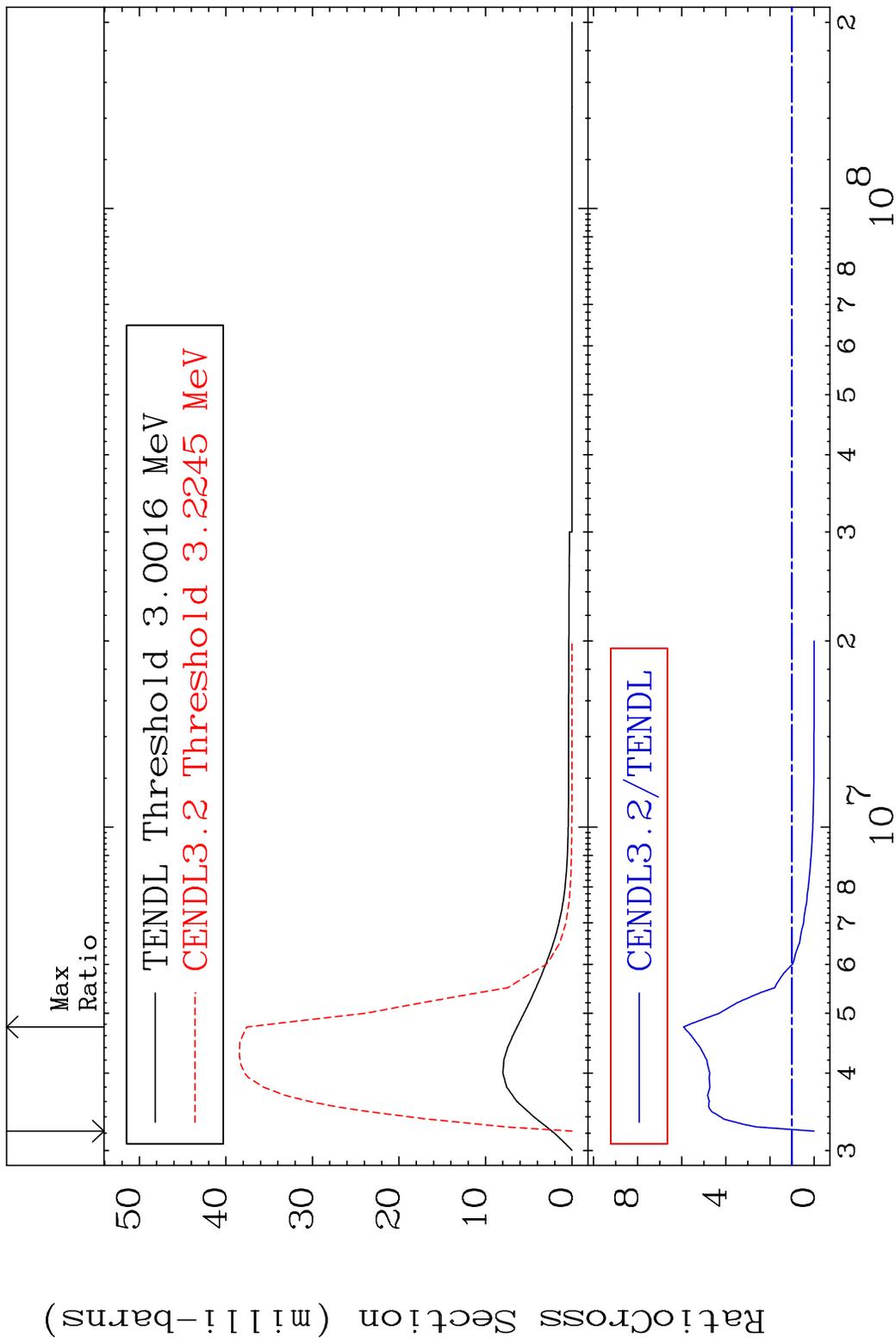


MAT 3243 MT= 73 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 151.1 %

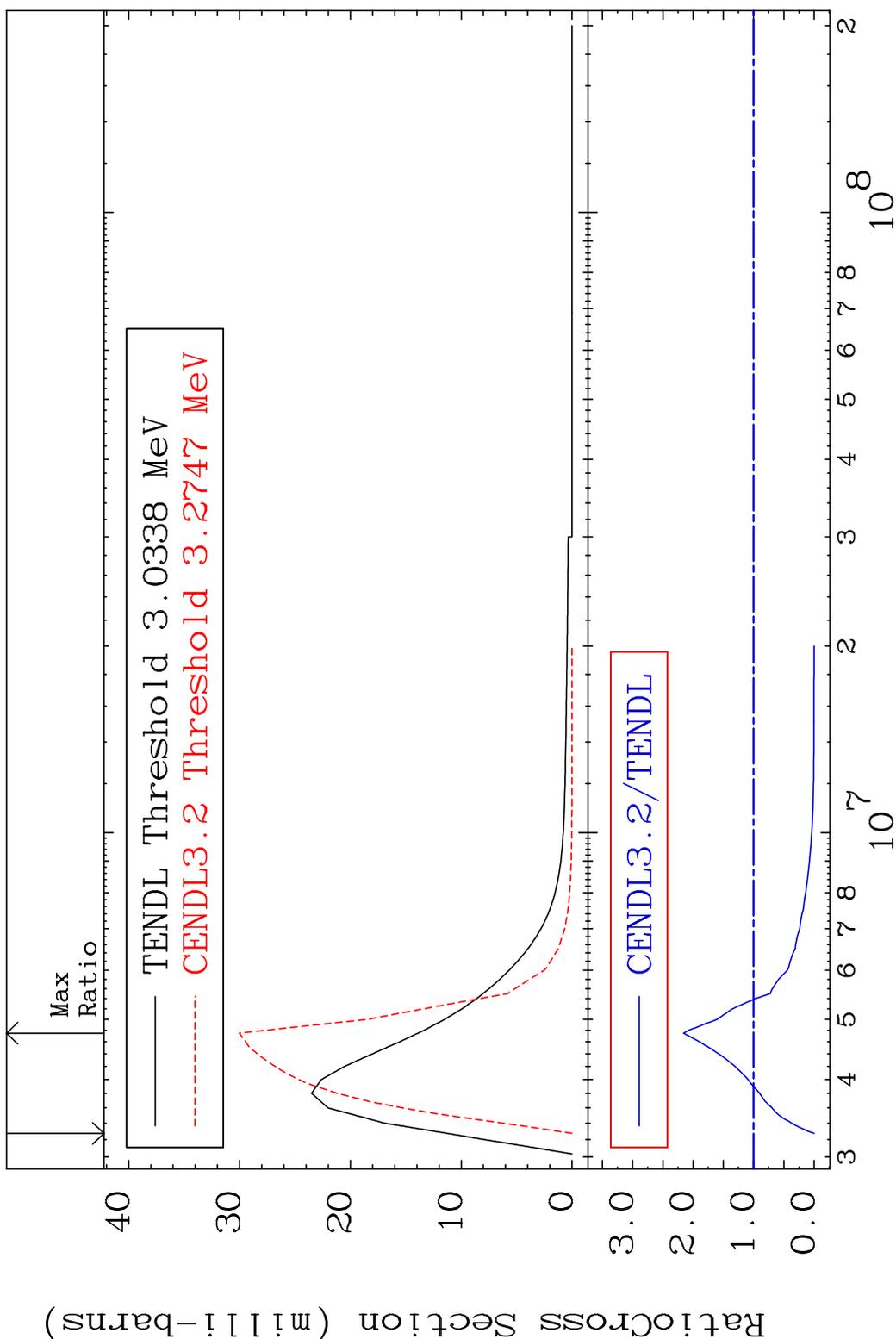


30 Incident Energy (eV) 32-Ge-76

MAT 3243 MT= 74 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 492.0 %

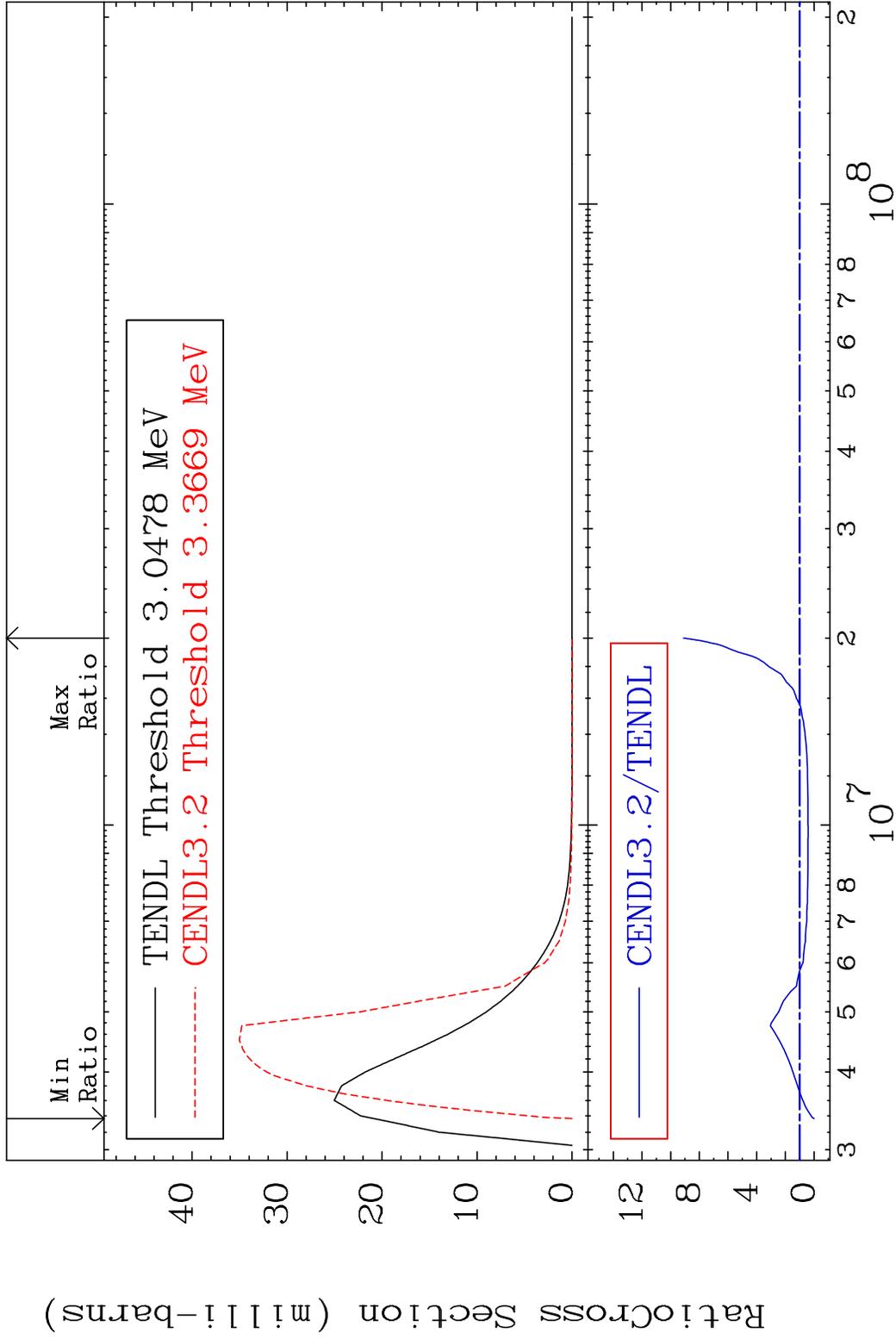


MAT 3243 MT= 75 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 115.9 %



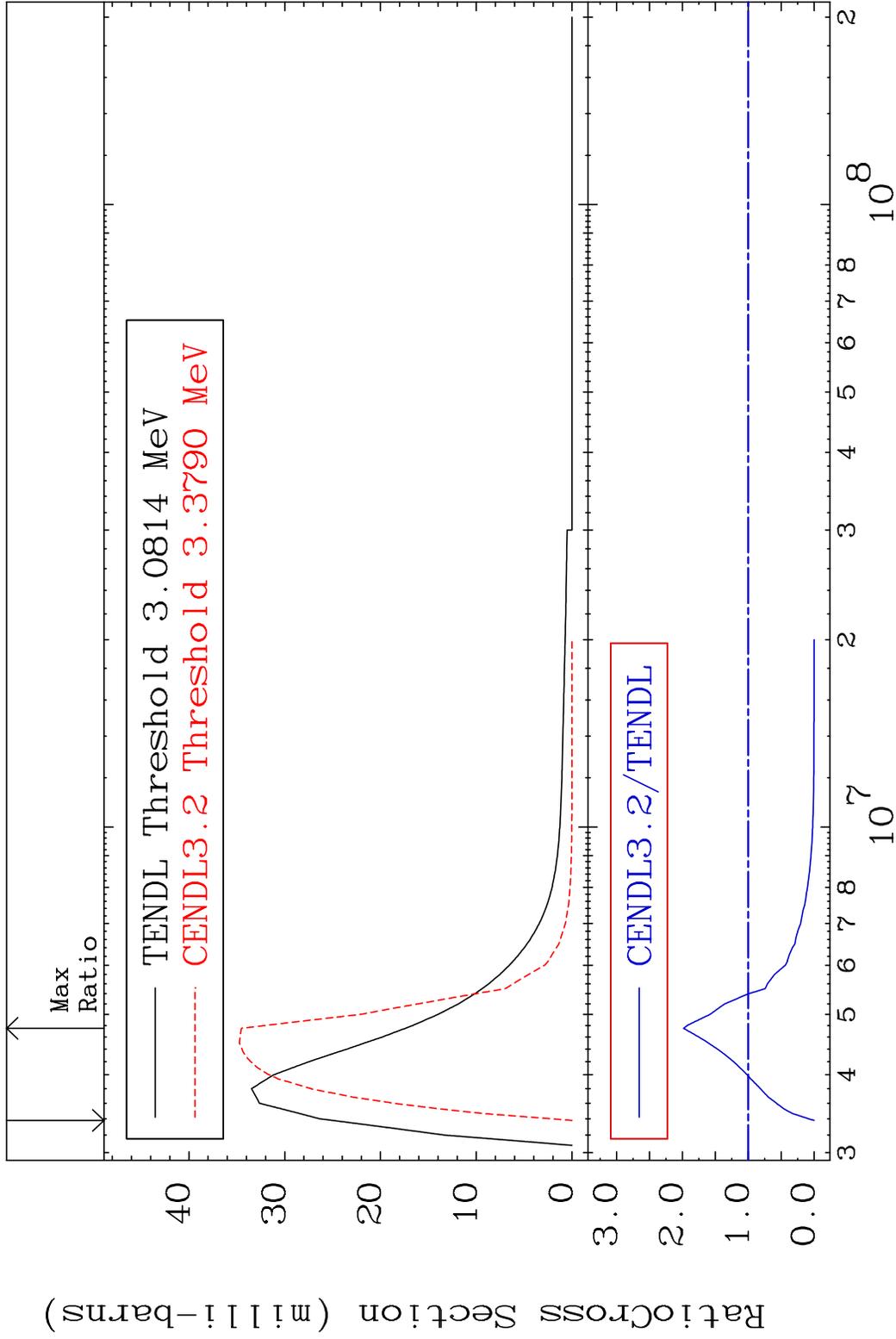
32 Incident Energy (eV) 32-Ge-76

MAT 3243 MT= 76 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 810.3 %



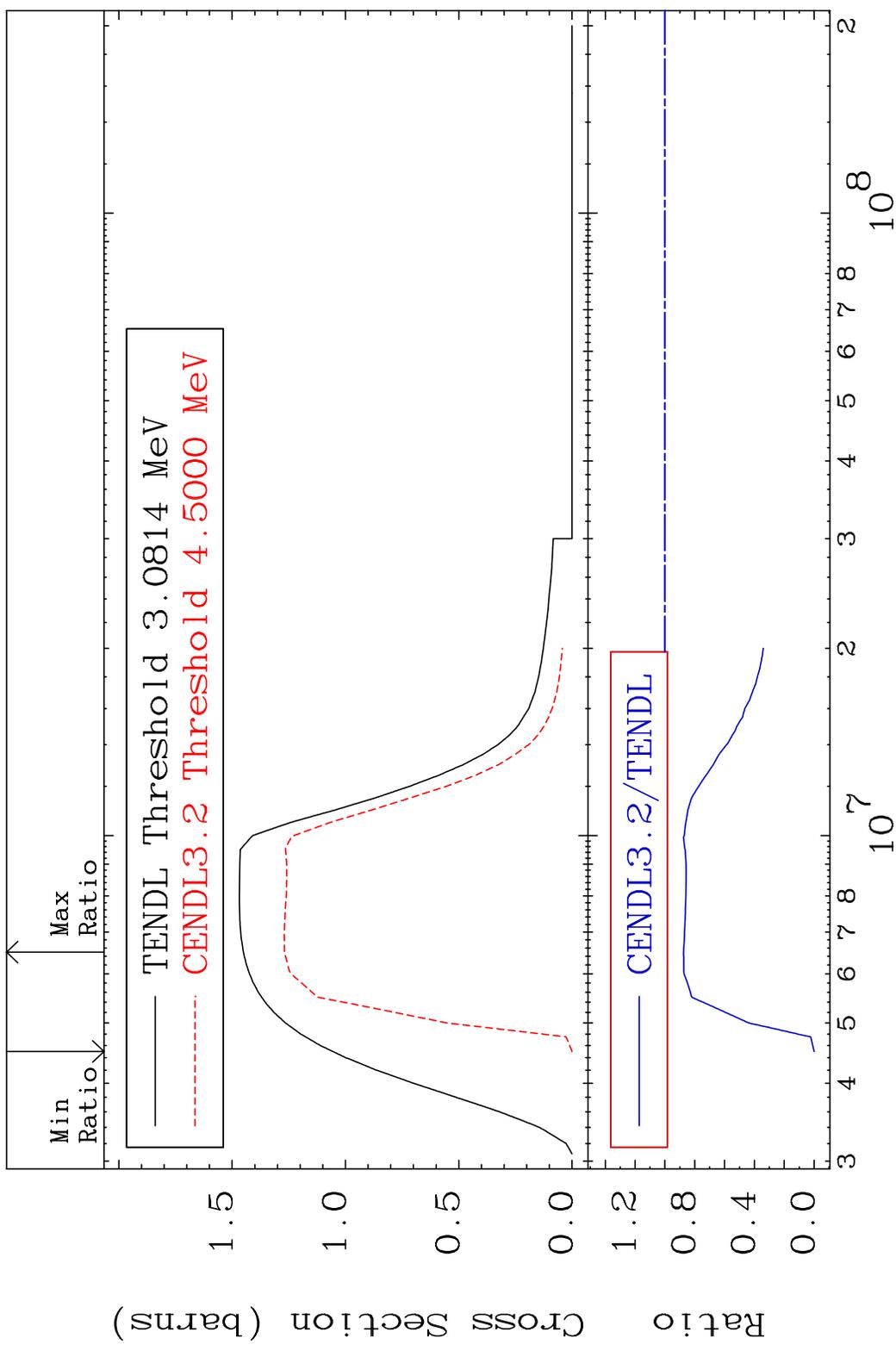
33 Incident Energy (eV) 32-Ge-76

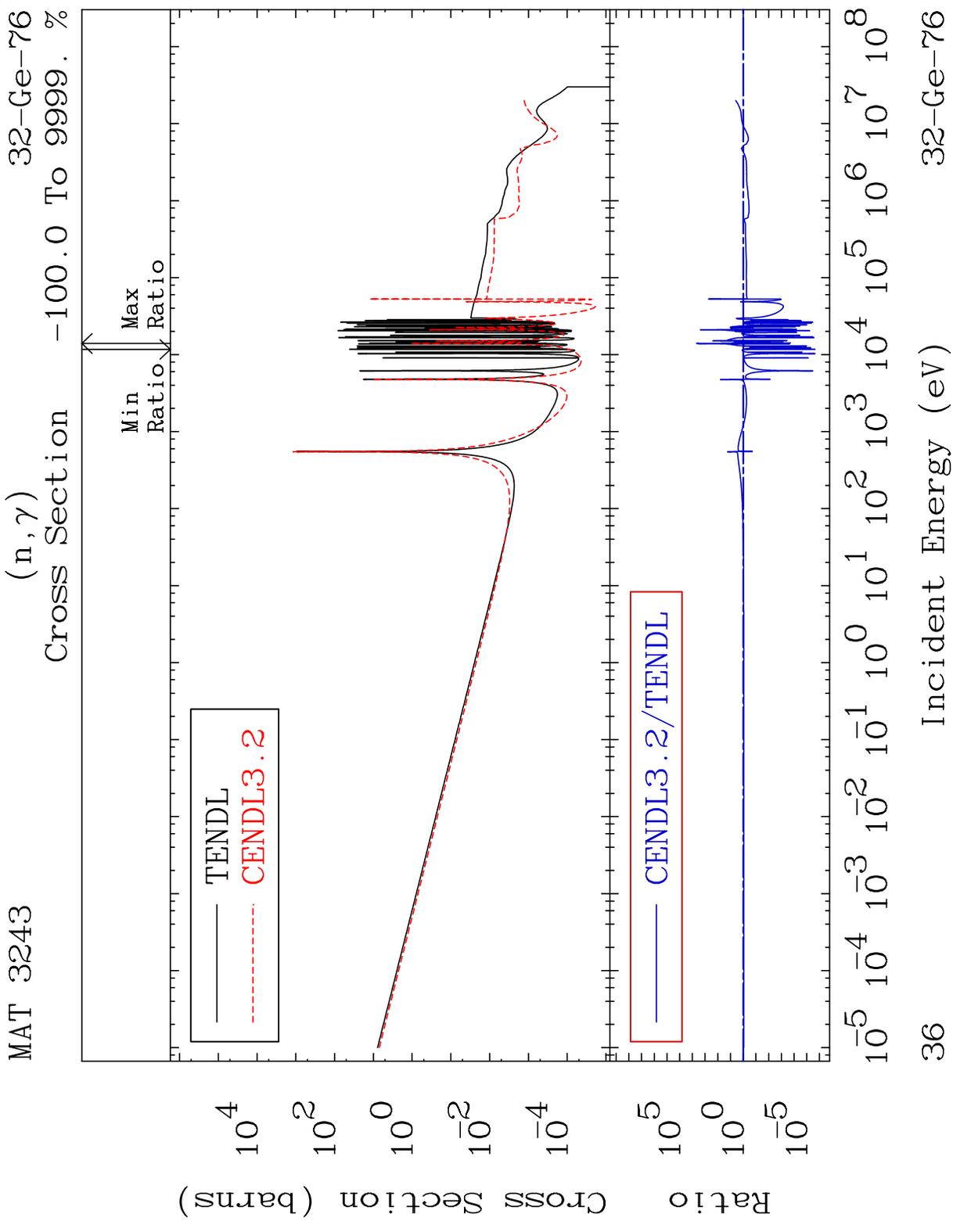
MAT 3243 MT= 77 (n, n') Level 32-Ge-76  
 Cross Section -100.0 To 98.22 %

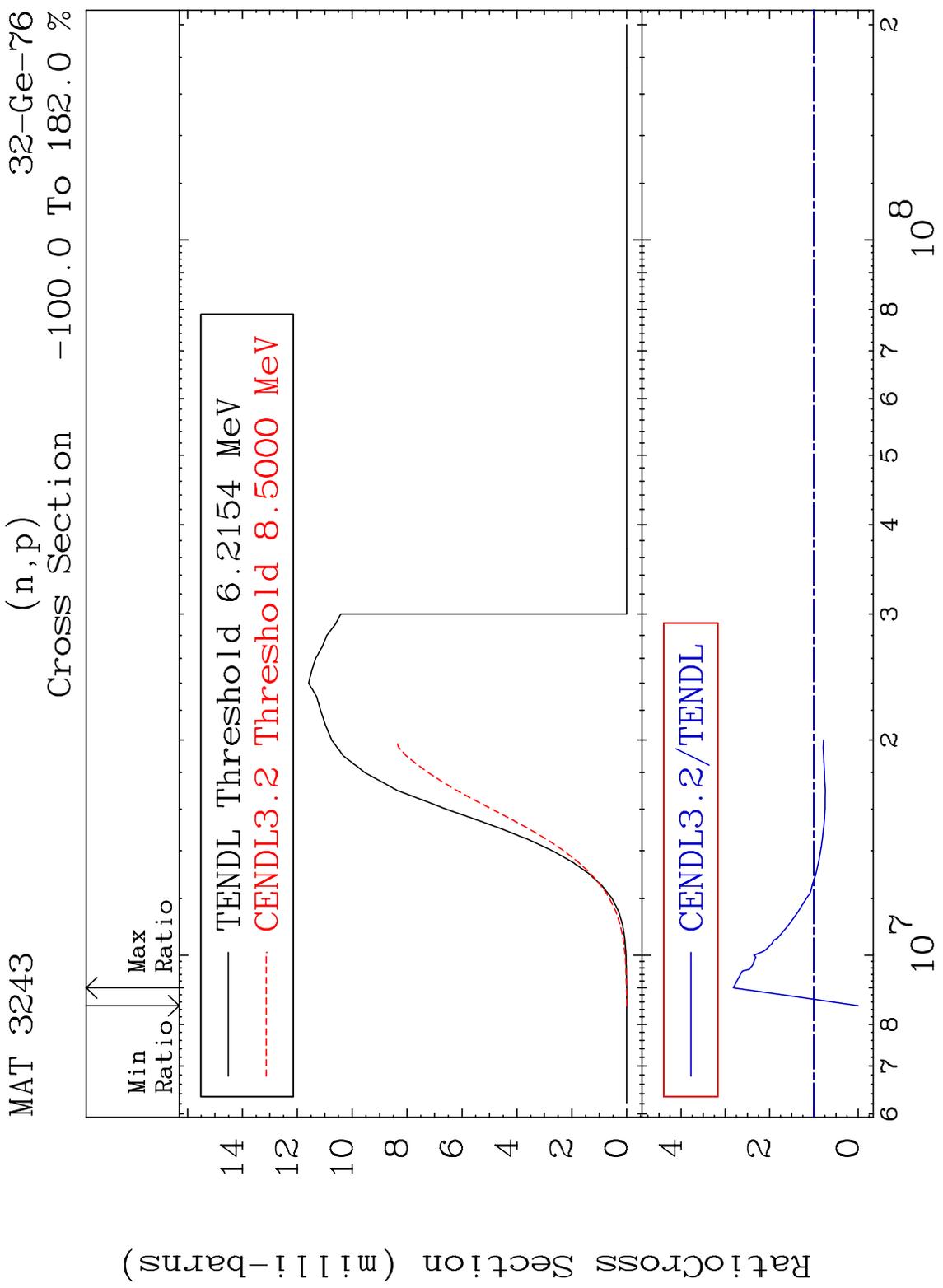


34 Incident Energy (eV) 32-Ge-76

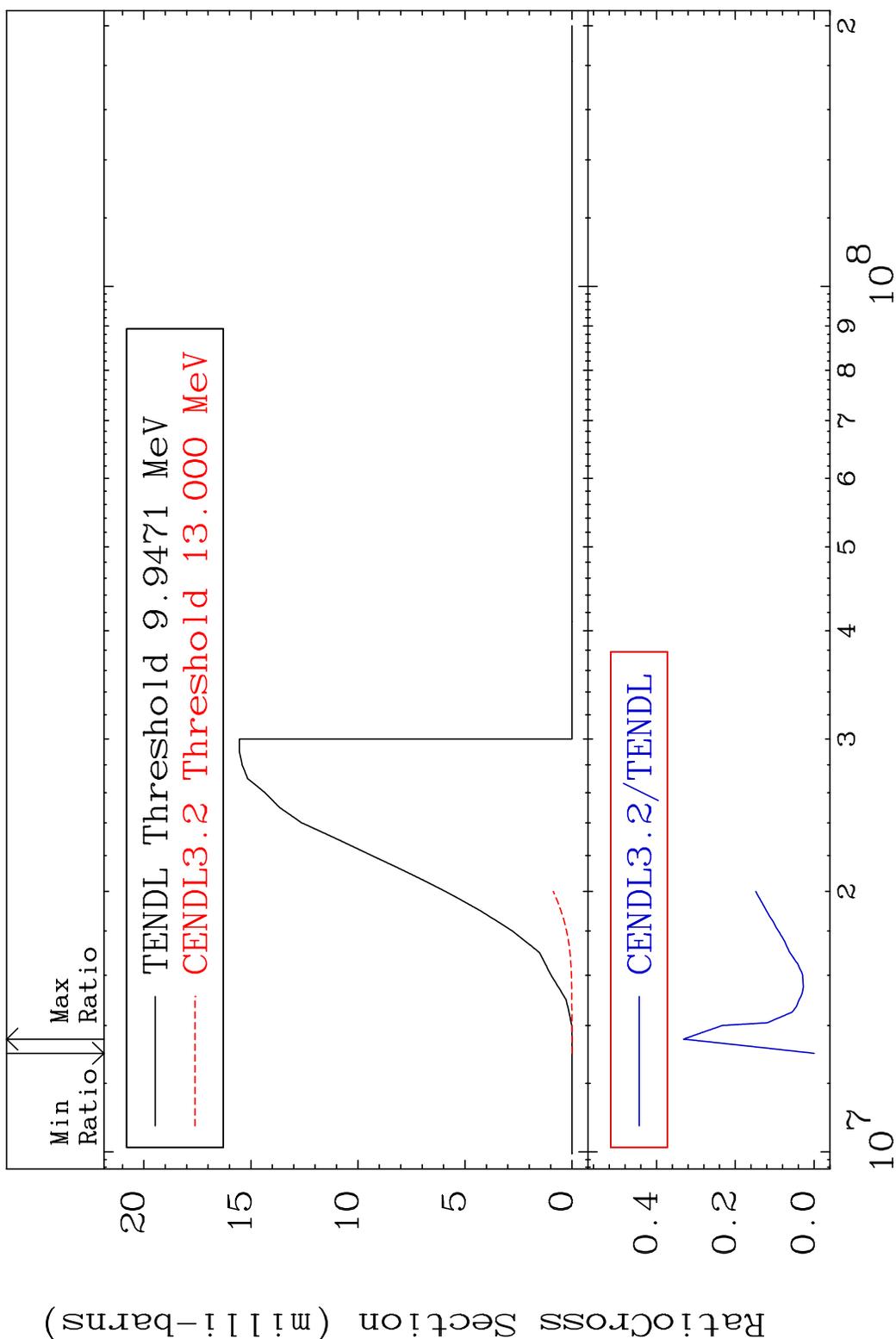
MAT 3243 (n,n') Continuum 32-Ge-76  
 Cross Section -100.0 To -12.48%





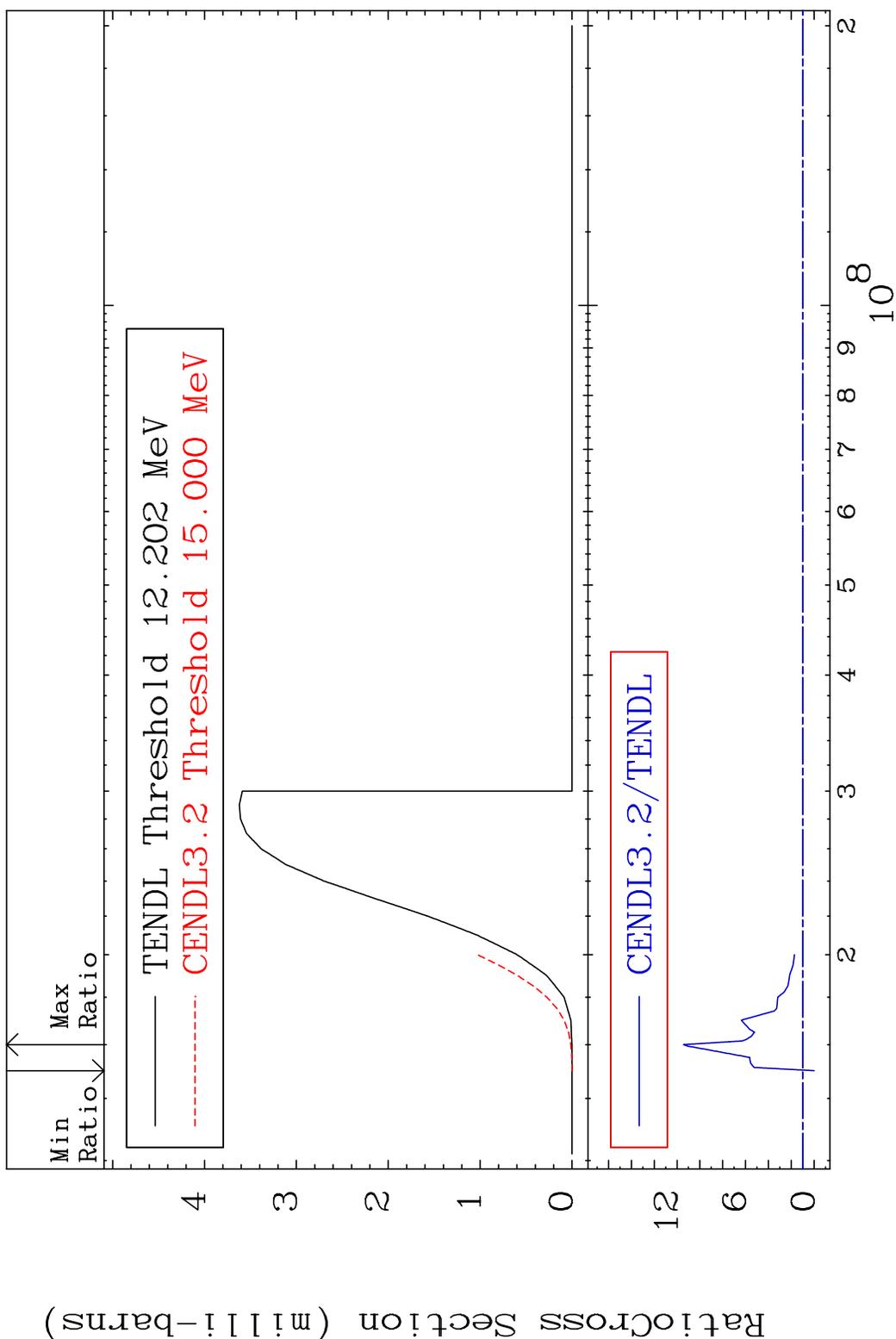


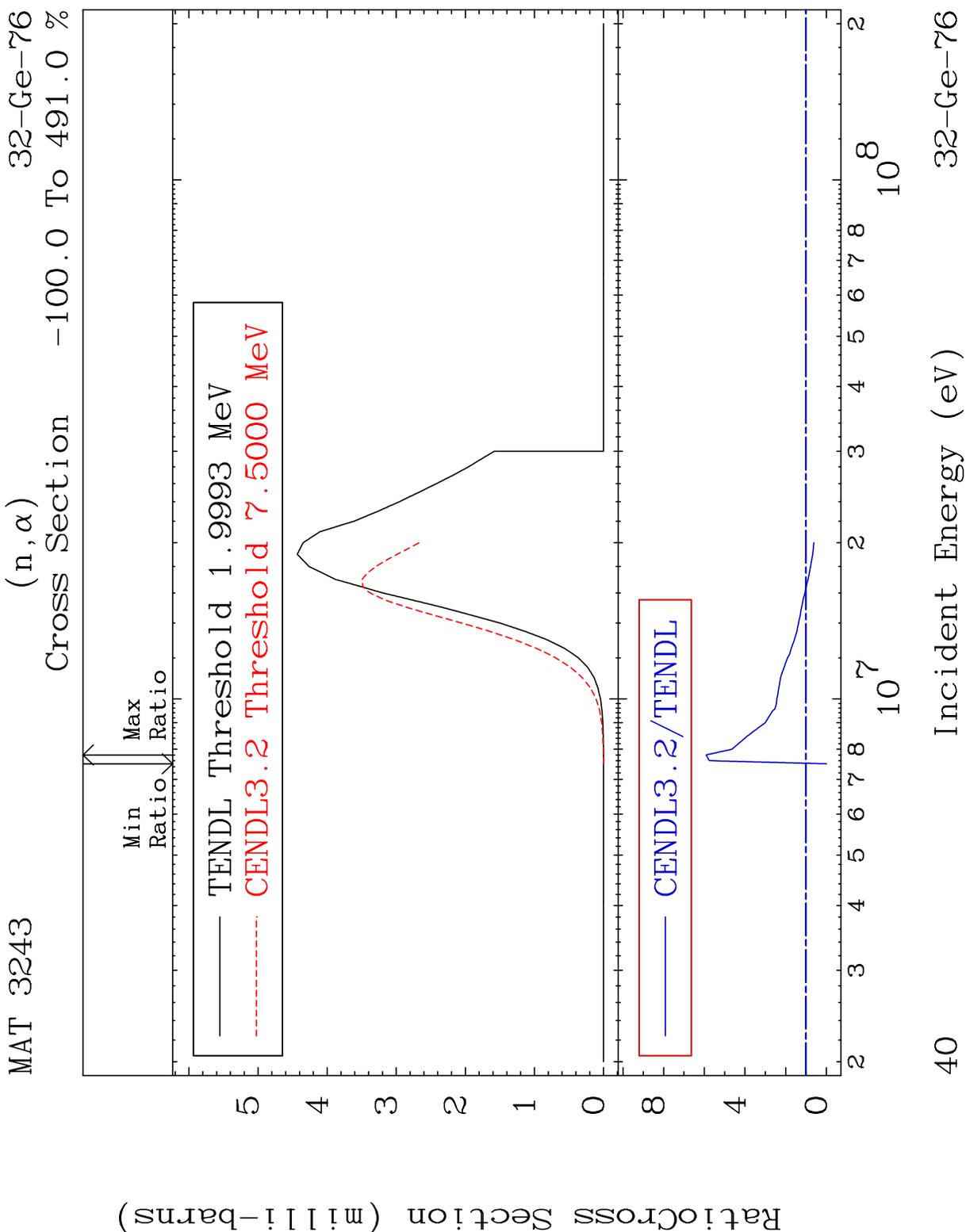
MAT 3243 (n, d) 32-Ge-76  
 Cross Section -100.0 To -66.85%



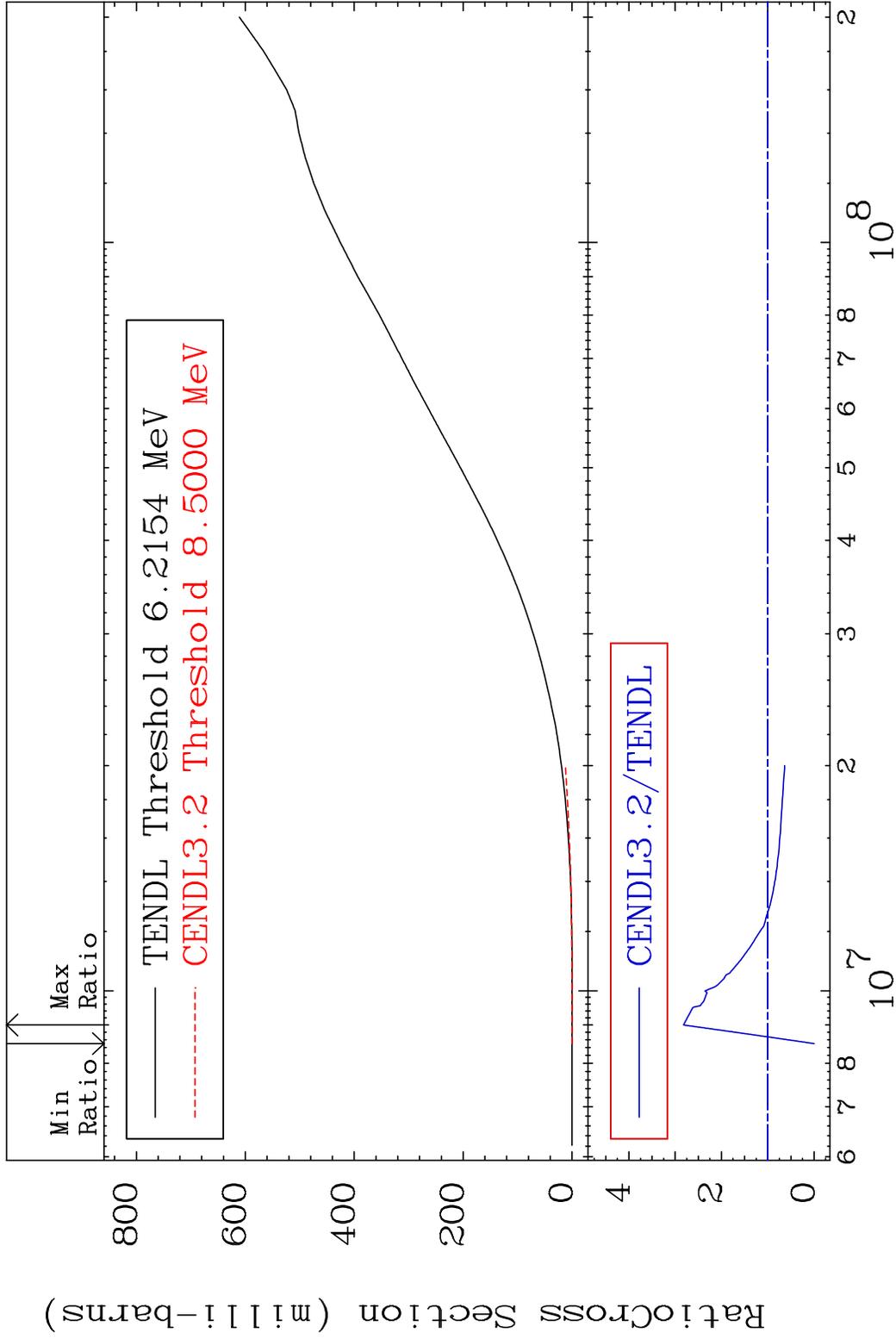
38 Incident Energy (eV) 32-Ge-76

MAT 3243 (n, t) 32-Ge-76  
 Cross Section -100.0 To 1043. %





MAT 3243 Hydrogen Production 32-Ge-76  
 Cross Section -100.0 To 182.0 %



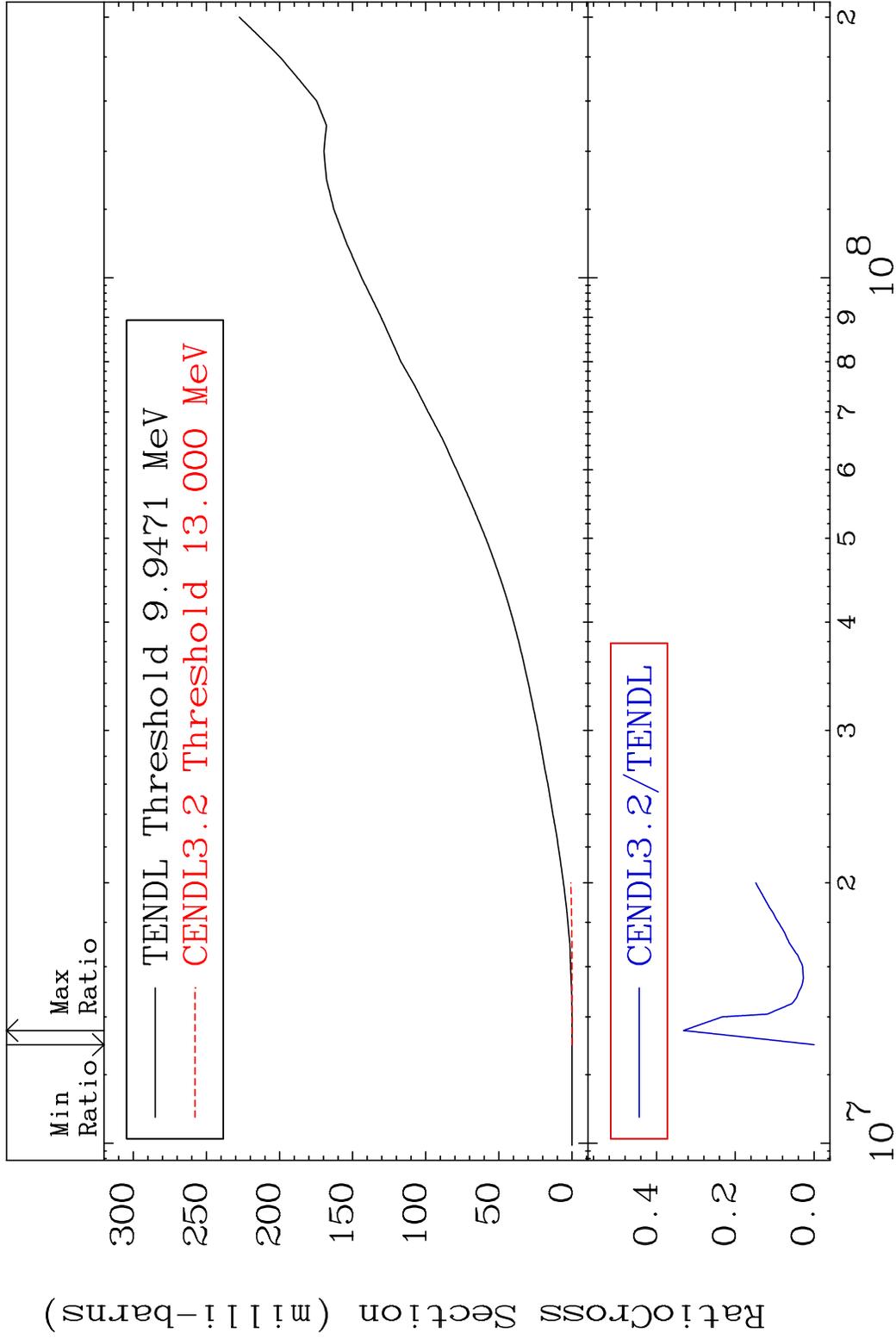
41 Incident Energy (eV) 32-Ge-76

MAT 3243

Deuterium Production

<sup>32</sup>Ge-76

Cross Section -100.0 To -66.85%



42

Incident Energy (eV)

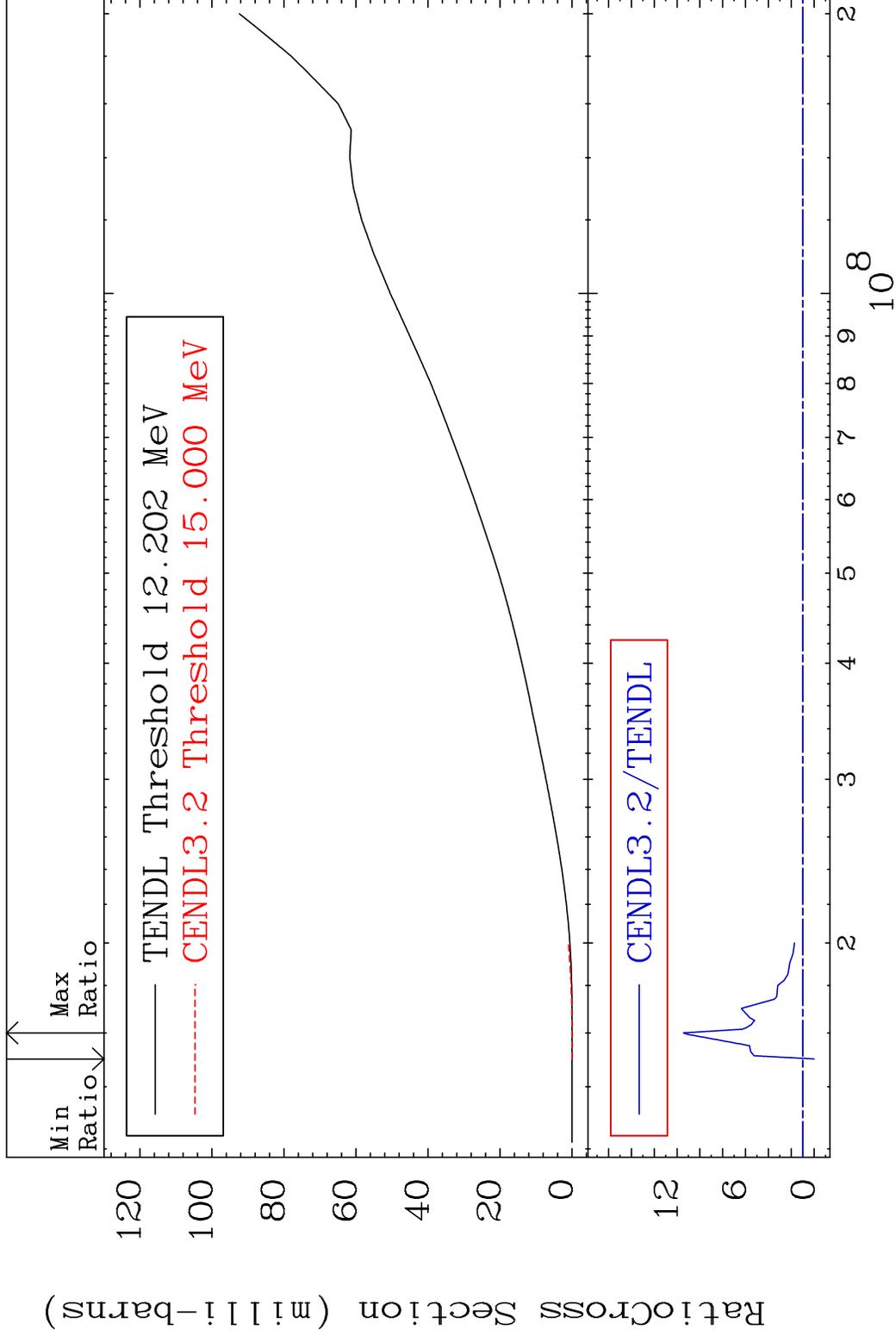
<sup>32</sup>Ge-76

MAT 3243

Tritium Production

<sup>32</sup>Ge-76

Cross Section -100.0 To 1043. %



43

Incident Energy (eV)

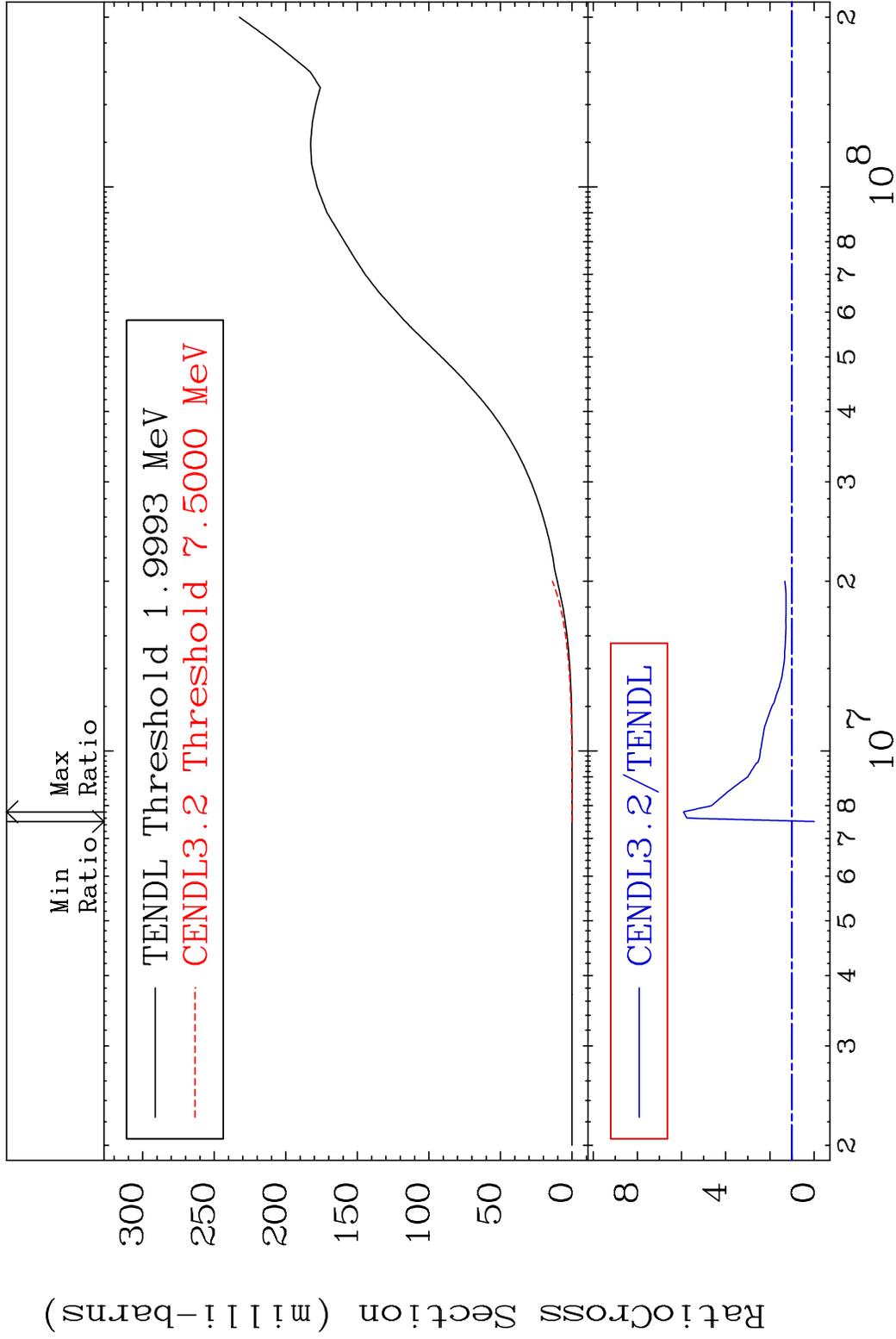
<sup>32</sup>Ge-76

MAT 3243

He-4 Production

32-Ge-76

Cross Section -100.0 To 491.0 %

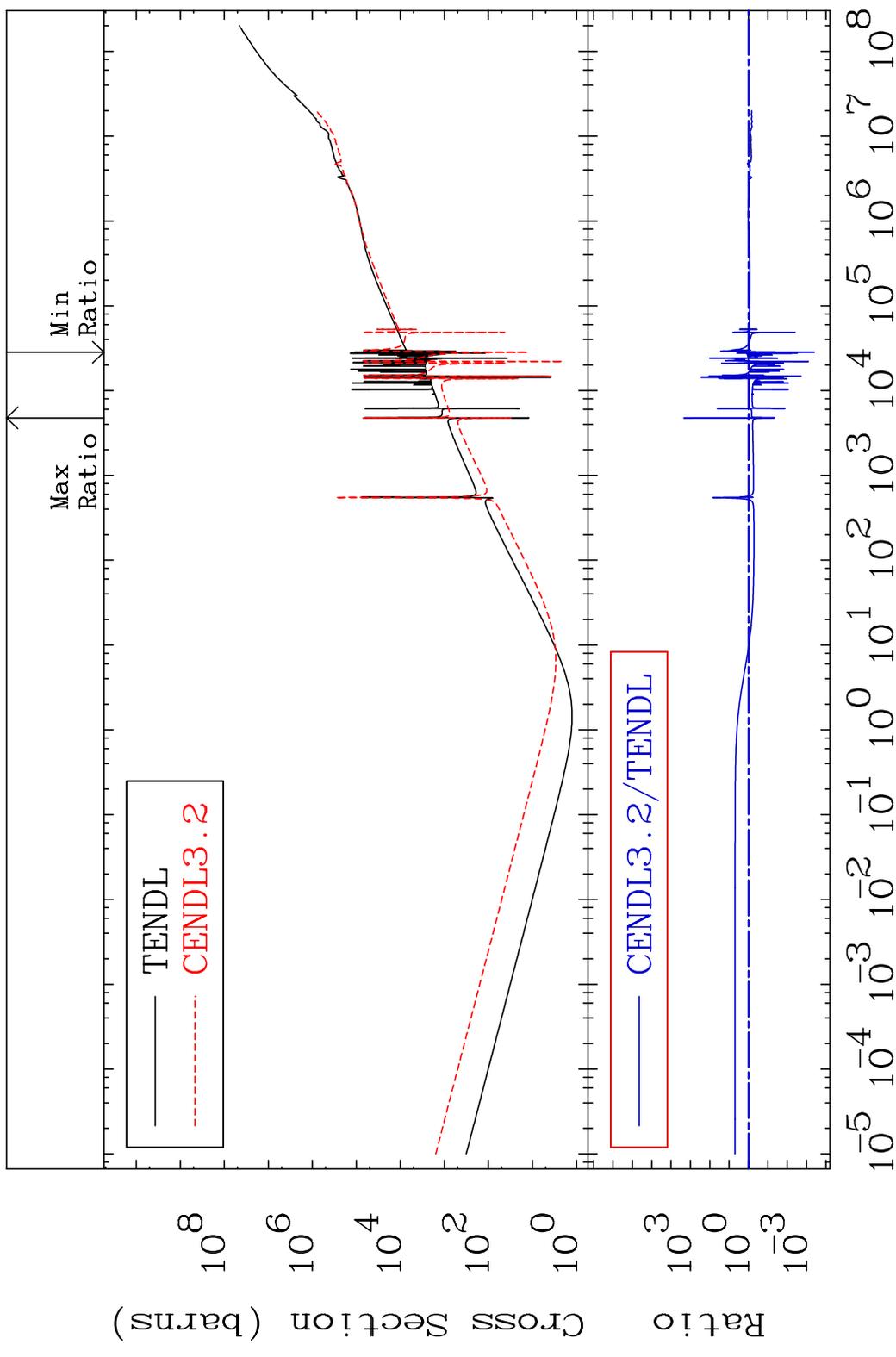


44

Incident Energy (eV)

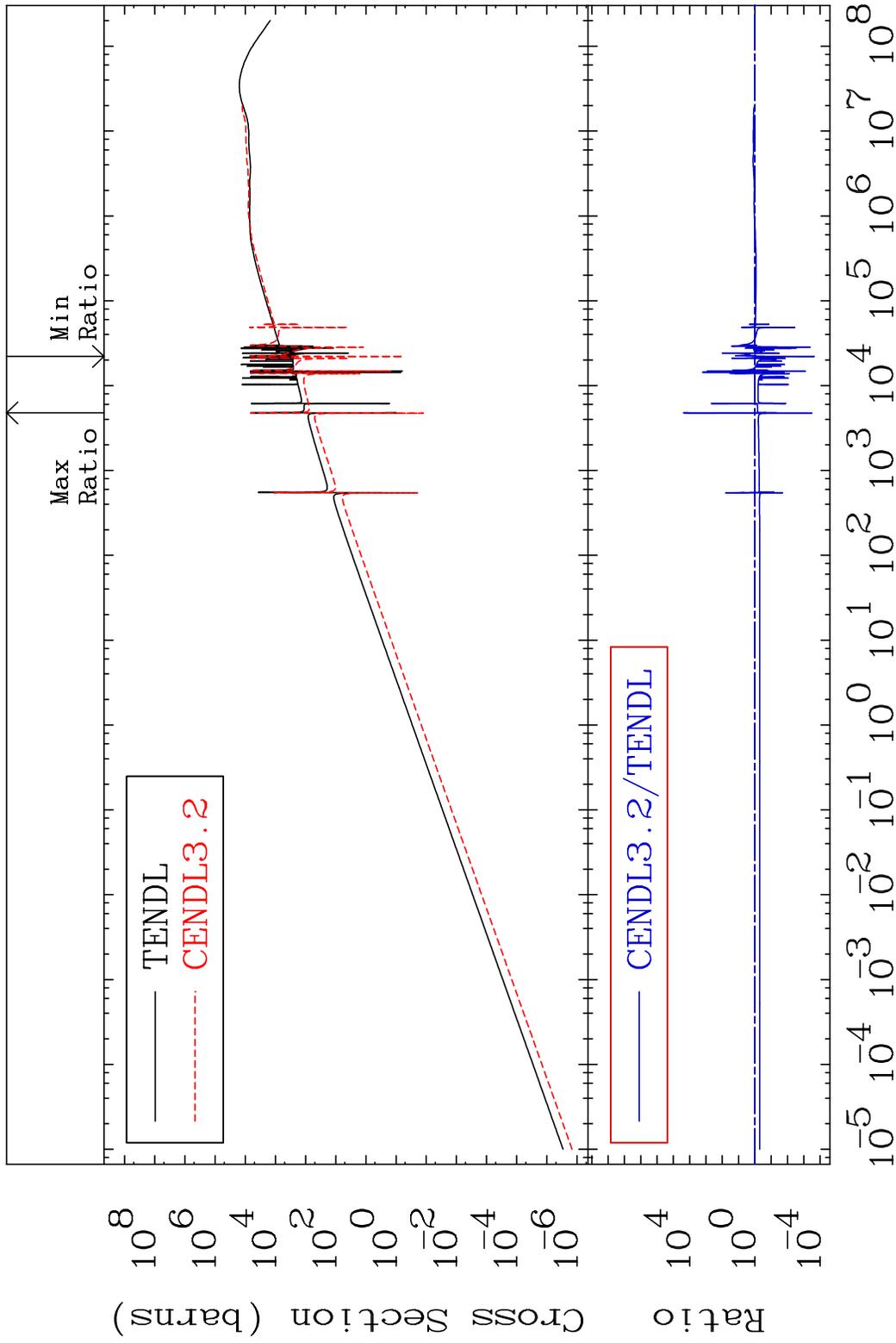
32-Ge-76

MAT 3243 Kerma total (eV-barns) 32-Ge-76  
 Cross Section -99.96 To 9999. %



MAT 3243

Kerma elastic Cross Section -99.98 To 9999. %  
32-Ge-76

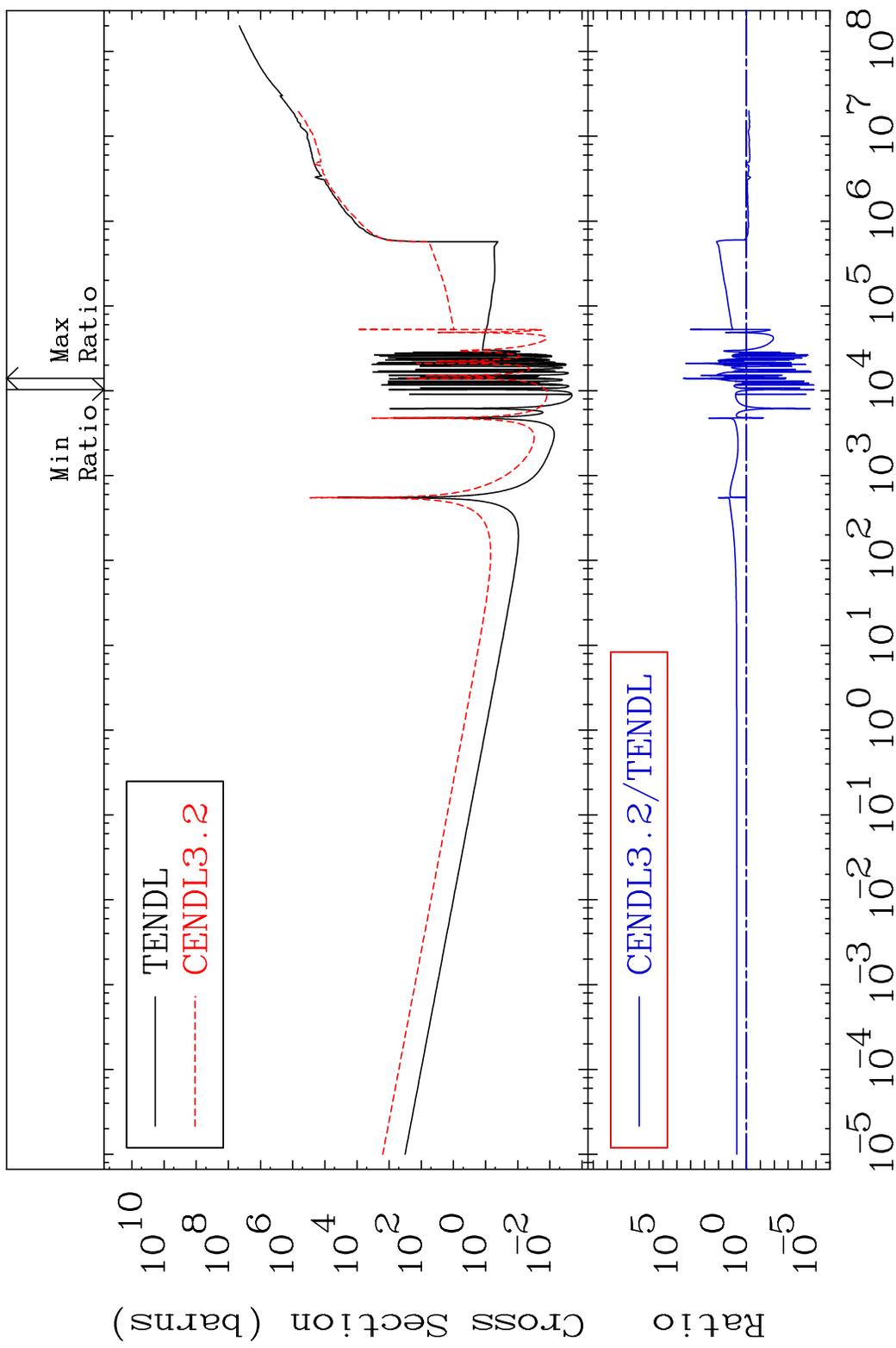


46

Incident Energy (eV)

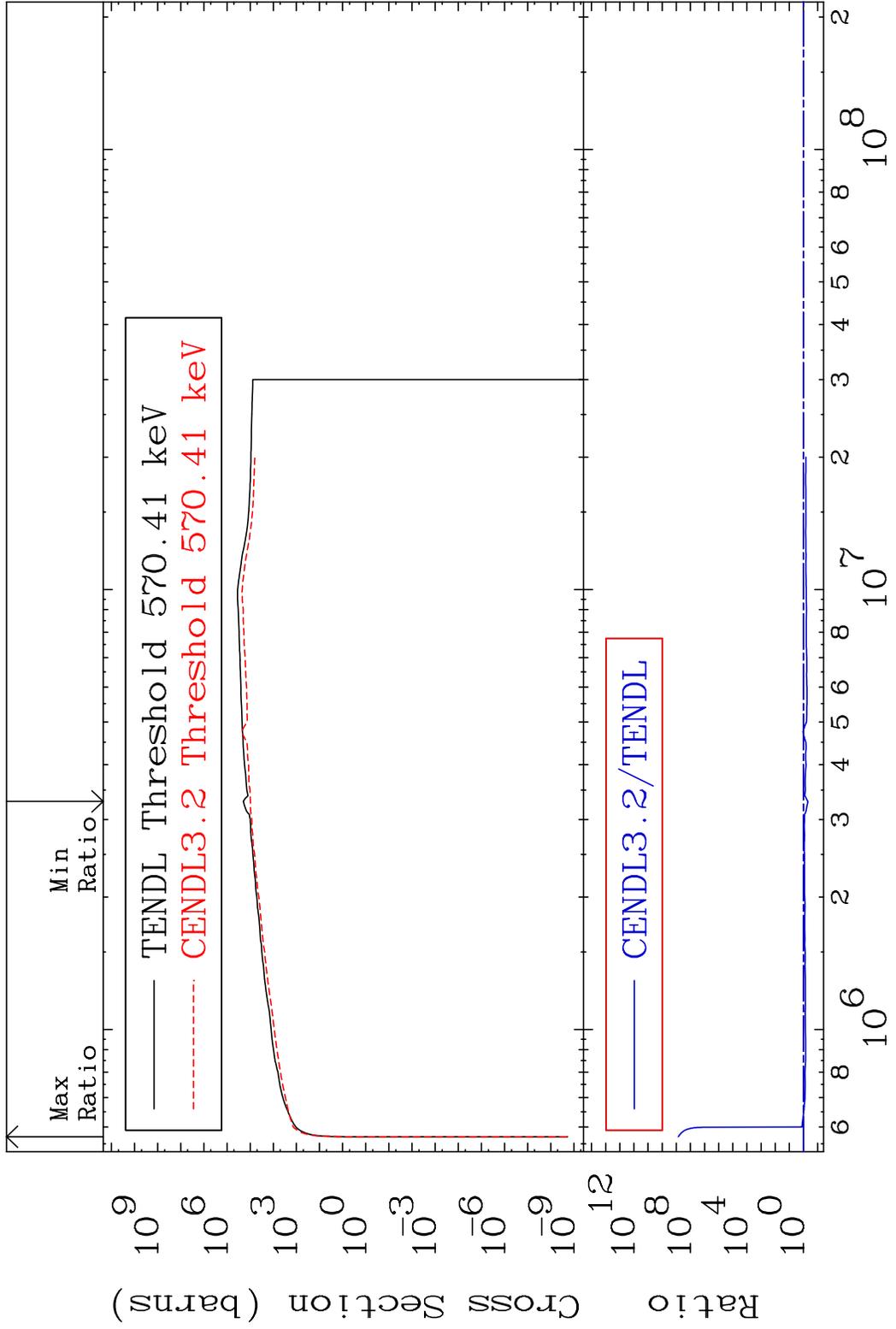
32-Ge-76

MAT 3243 Kerma non-elastic (all but mt2) 32-Ge-76  
 Cross Section -100.0 To 9999. %



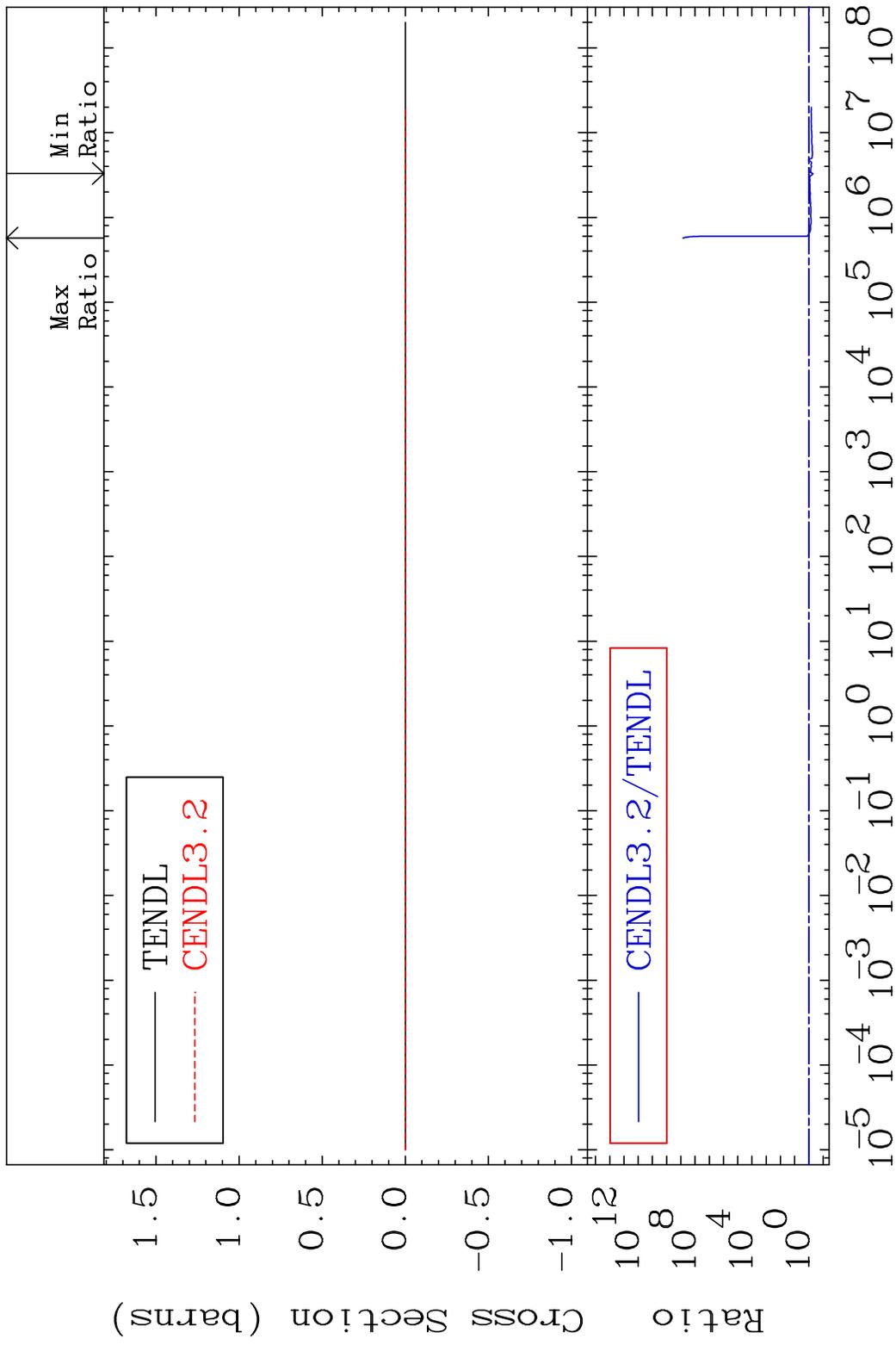
47 Incident Energy (eV) 32-Ge-76

MAT 3243 Kerma inelastic (mt51-91) 32-Ge-76  
 Cross Section -51.10 To 9999. %

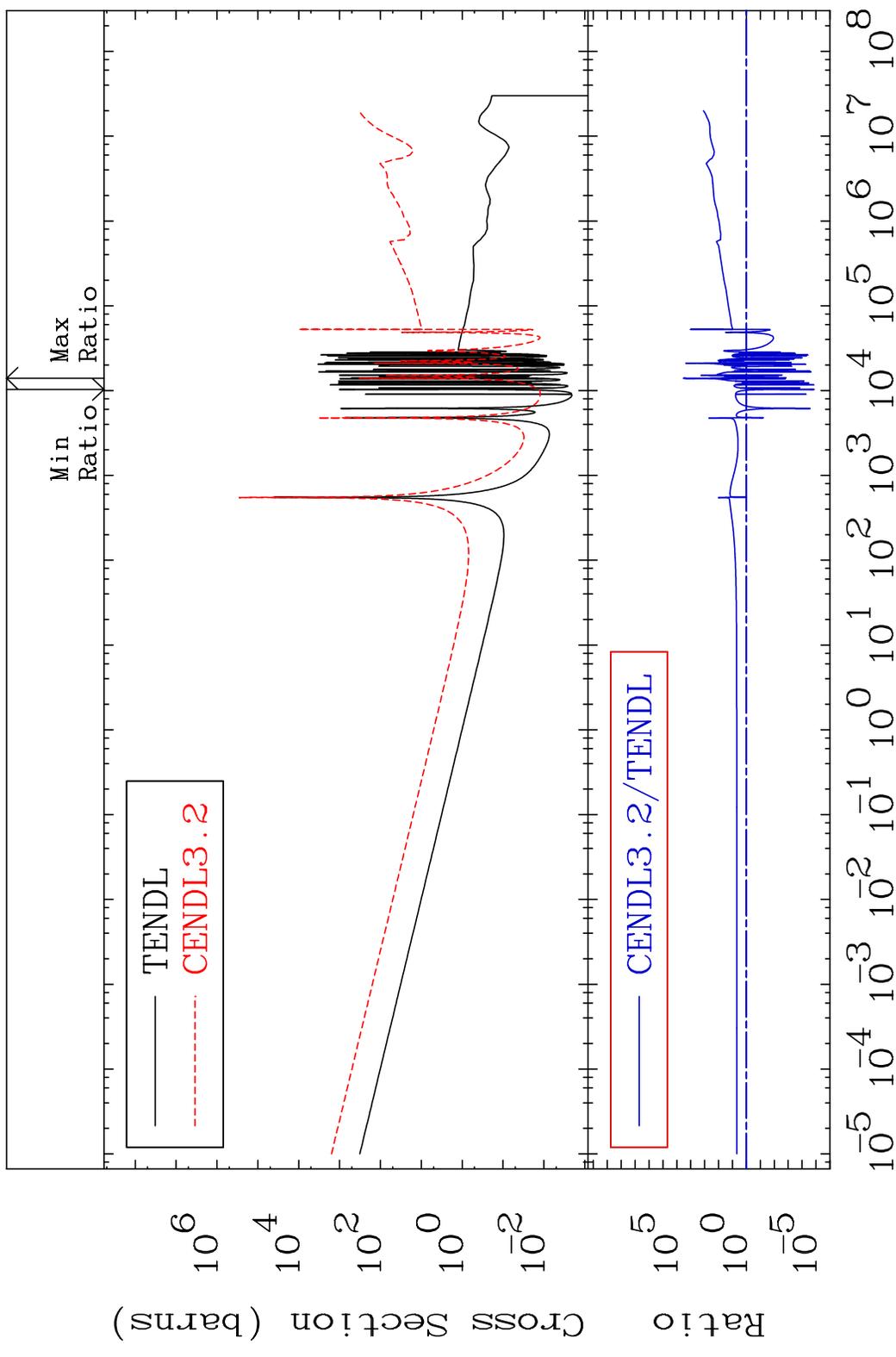


48 Incident Energy (eV) 32-Ge-76

MAT 3243 Kerma fission (mt18 or mt19-20-21-38) 32-Ge-76  
Cross Section -51.10 To 9999. %

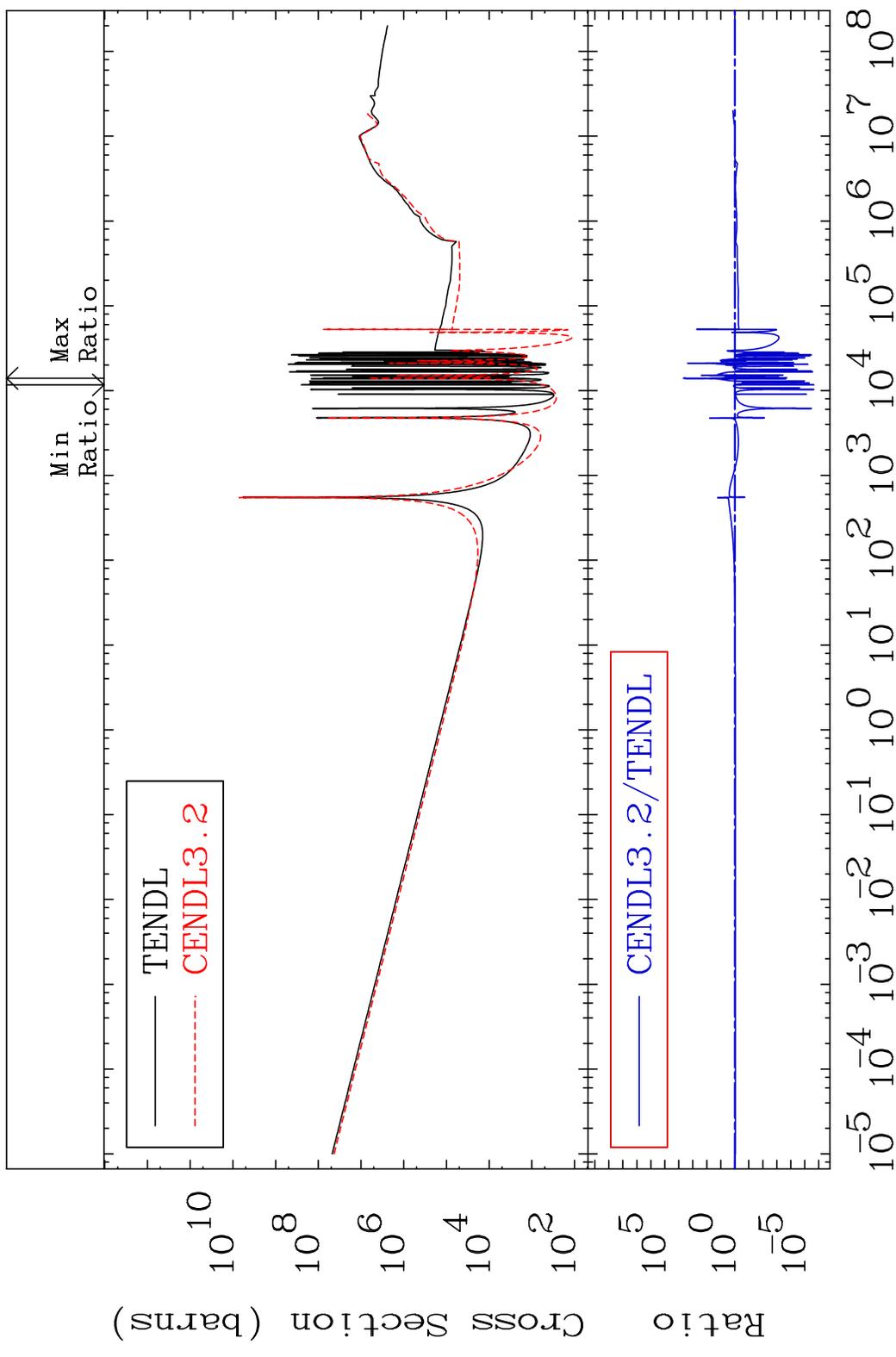


MAT 3243 Kerma capture (mt102) 32-Ge-76  
 Cross Section -100.0 To 9999. %



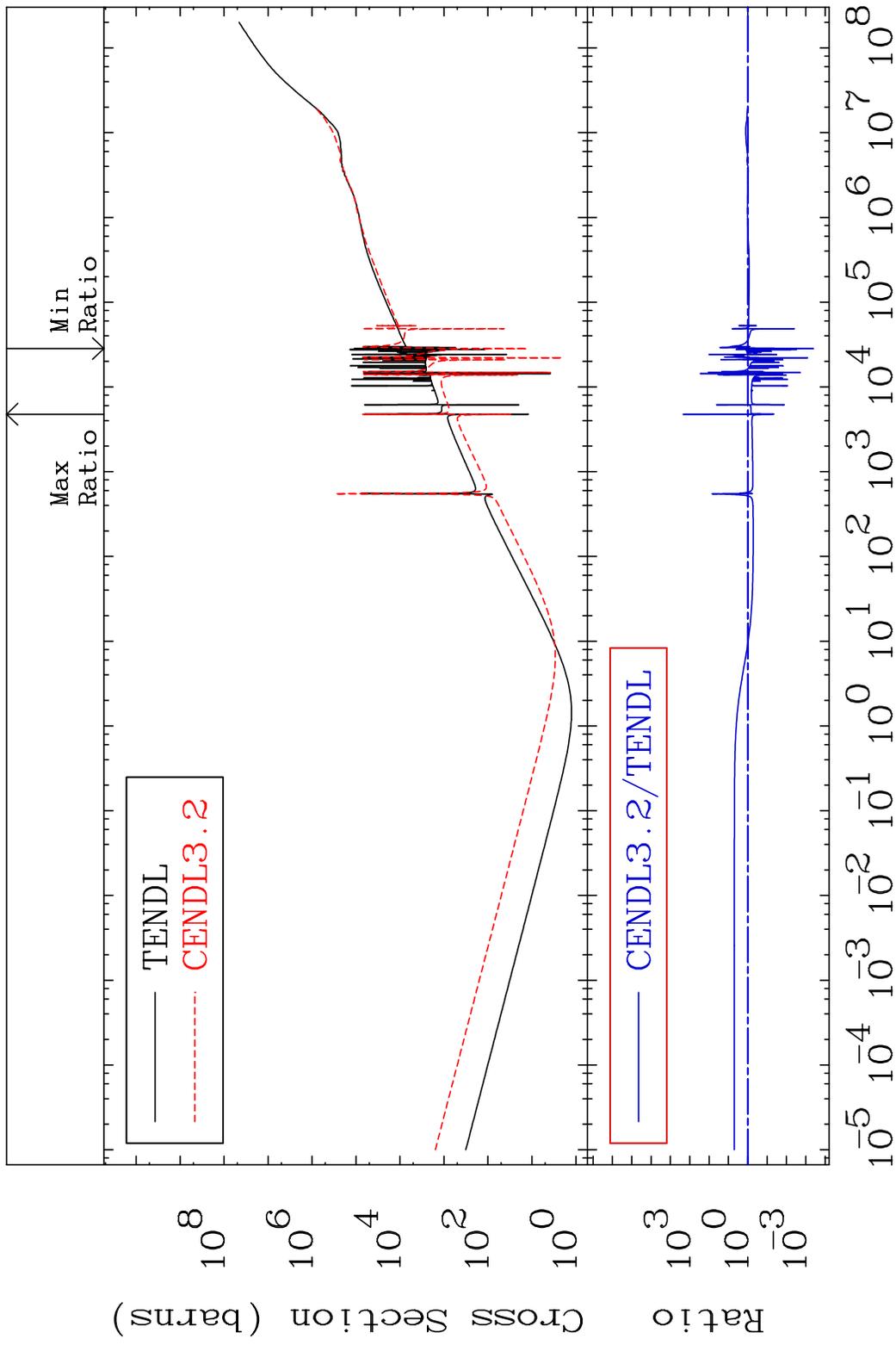
50 Incident Energy (eV) 32-Ge-76

MAT 3243 Total photon (eV-barns) 32-Ge-76  
Cross Section -100.0 To 9999. %

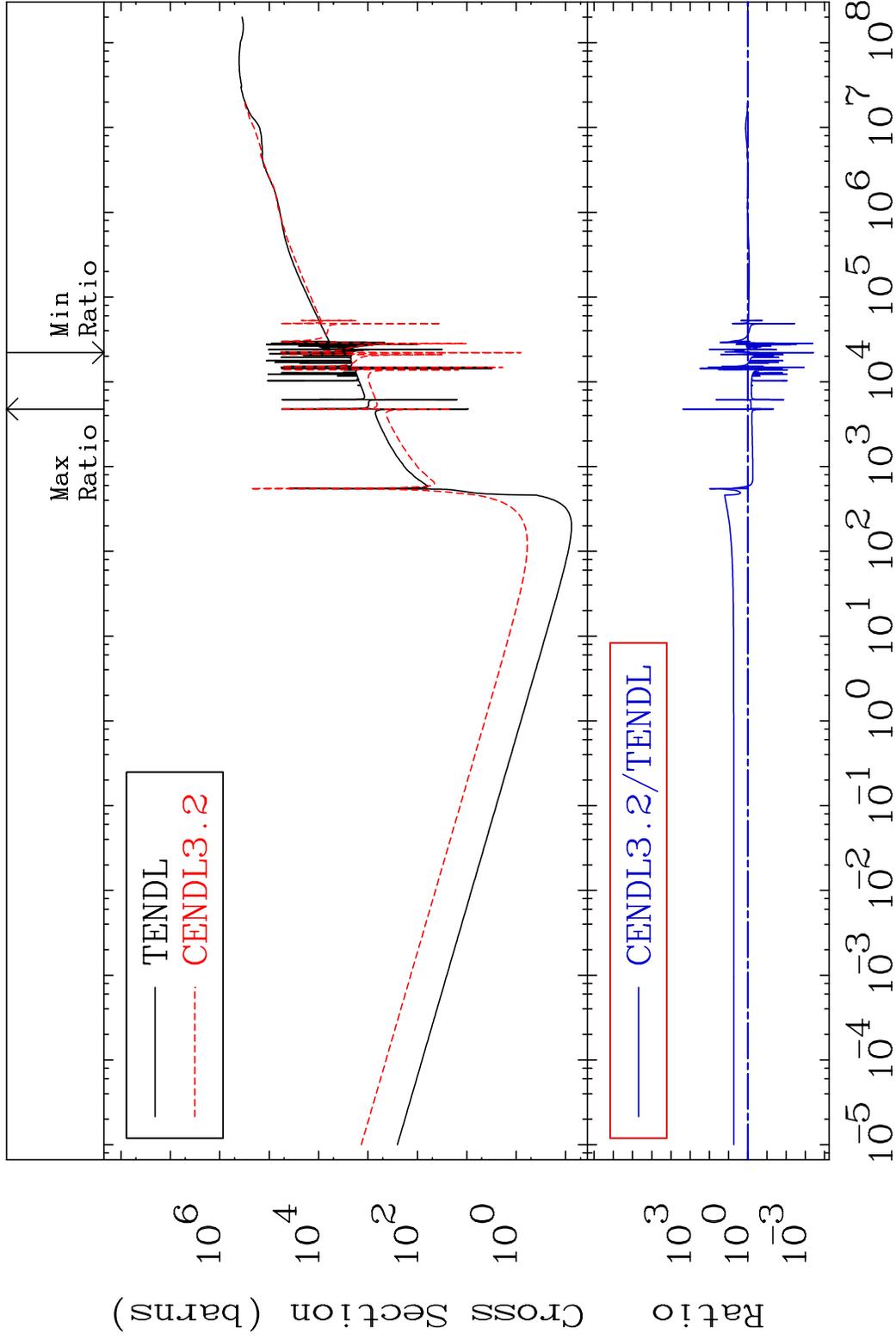


51 Incident Energy (eV) 32-Ge-76

MAT 3243 Total kinematic kerma (high limit) 32-Ge-76  
 Cross Section -99.96 To 9999. %

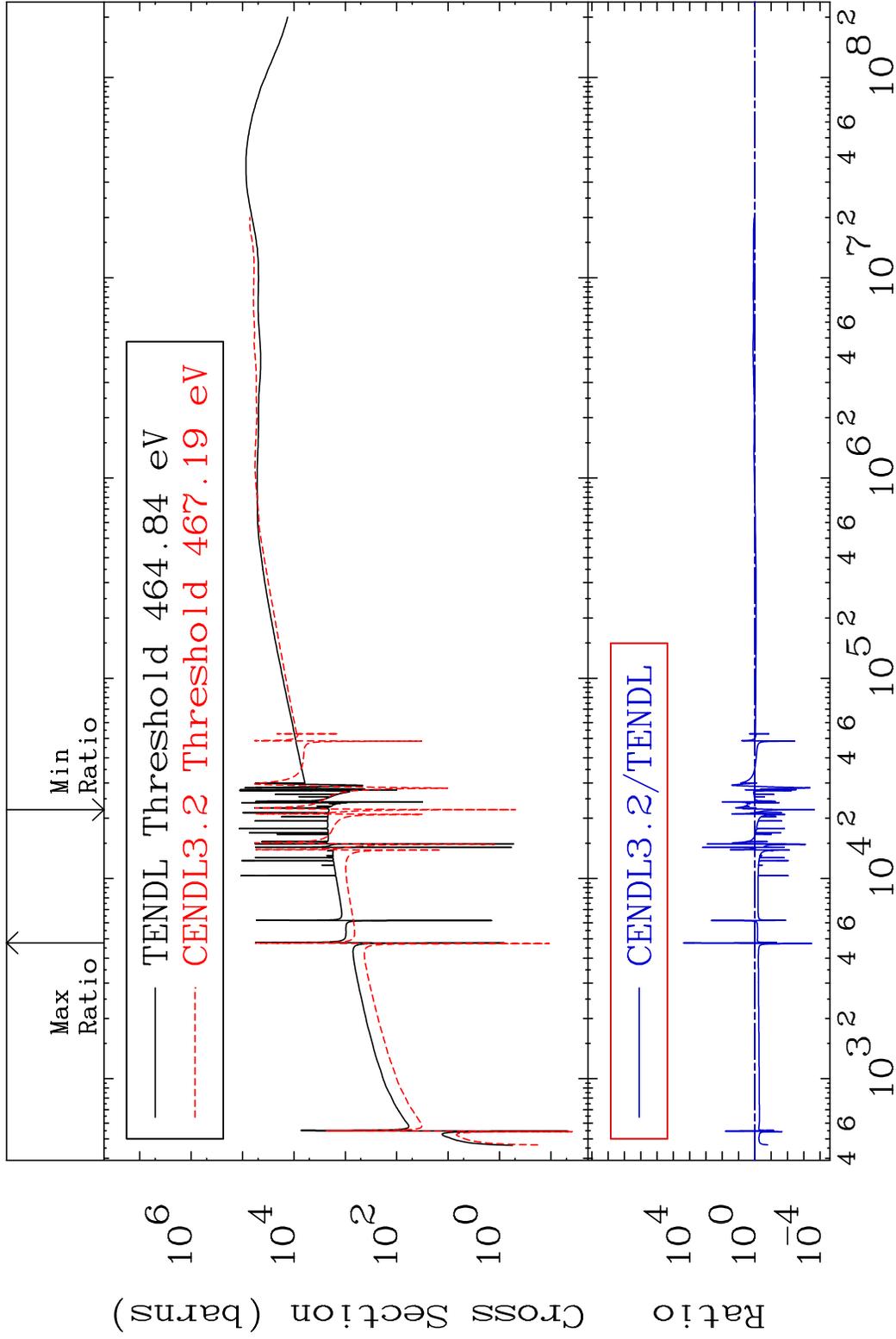


MAT 3243      Dpa total (eV-barns)      32-Ge-76  
 Cross Section      -99.96 To 9999. %

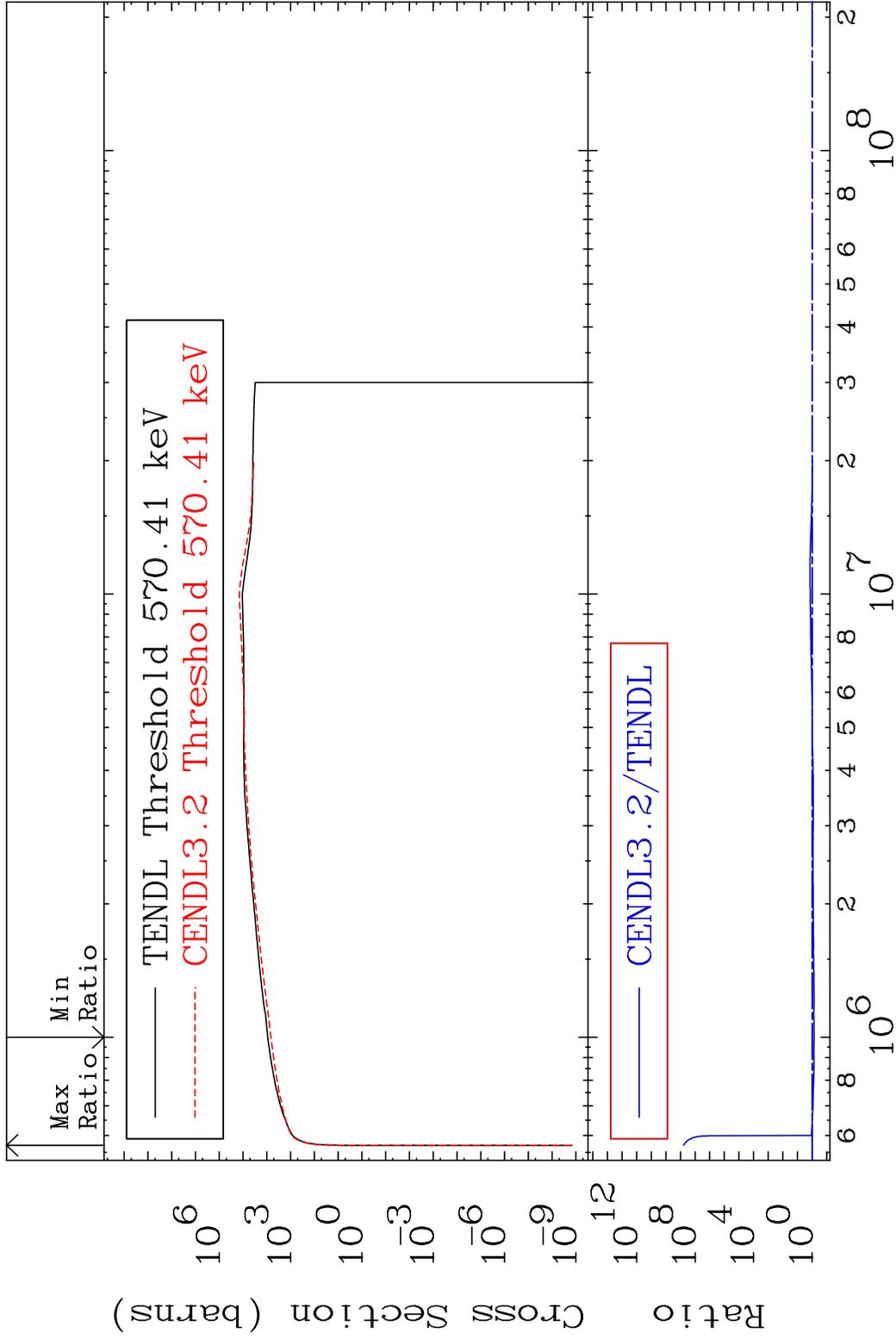


53      Incident Energy (eV)      32-Ge-76

MAT 3243      Dpa elastic (mt2)      32-Ge-76  
 Cross Section      -99.98 To 9999. %

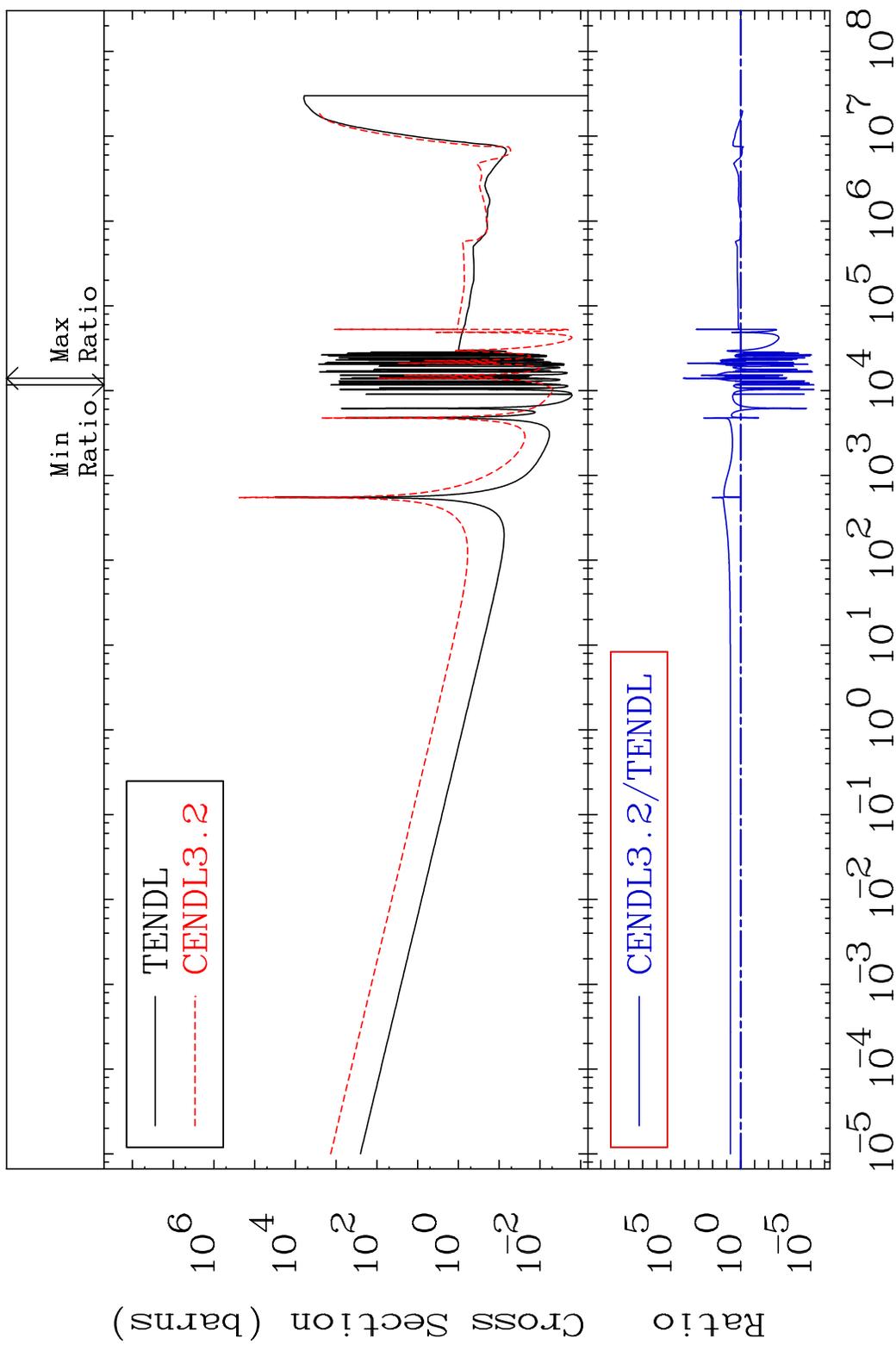


MAT 3243      Dpa inelastic (mt51-91)      32-Ge-76  
 Cross Section      -27.07 To 9999. %

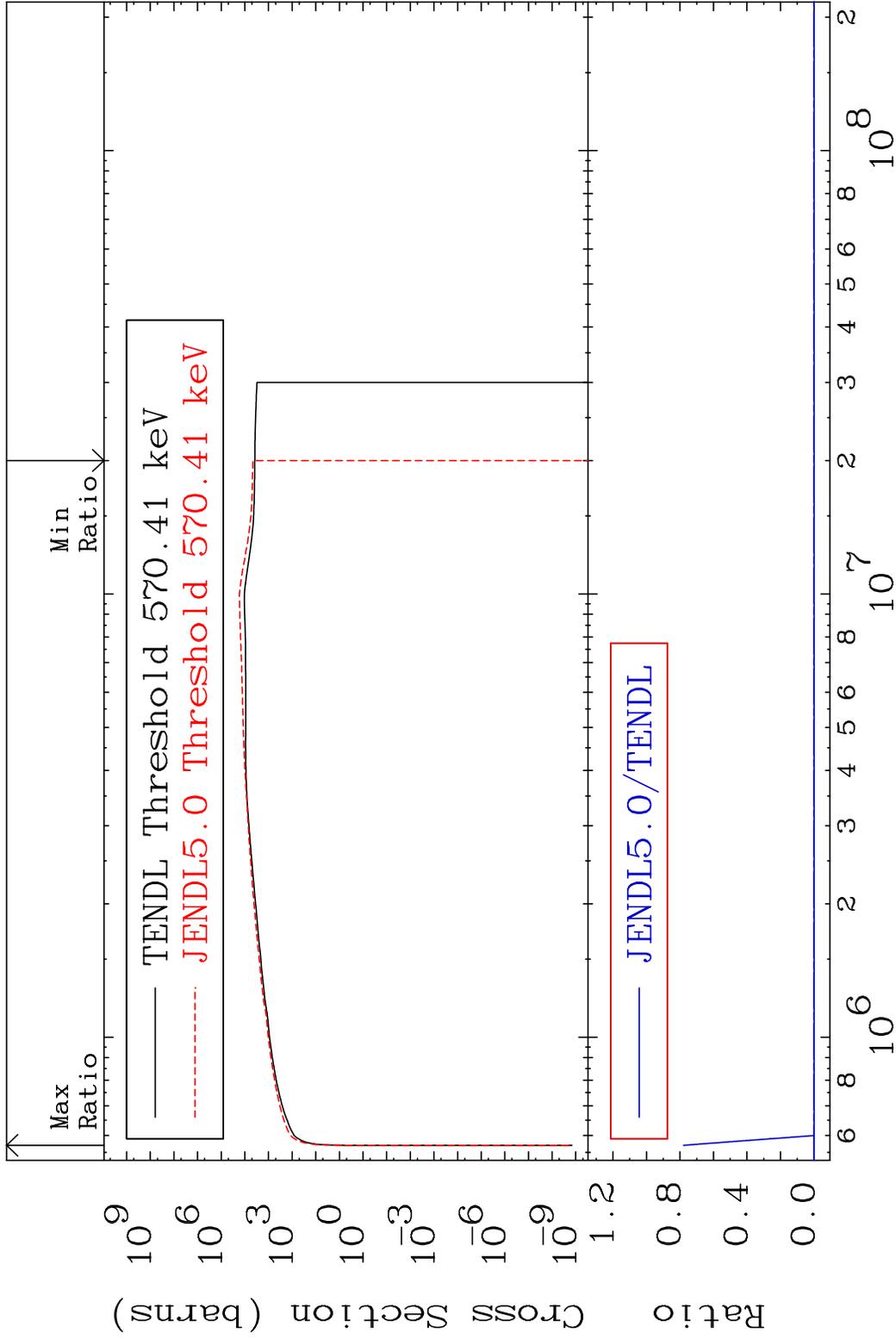


55      Incident Energy (eV)      32-Ge-76

MAT 3243 Dpa disappearance (mt102 -120) 32-Ge-76  
 Cross Section -100.0 To 9999. %

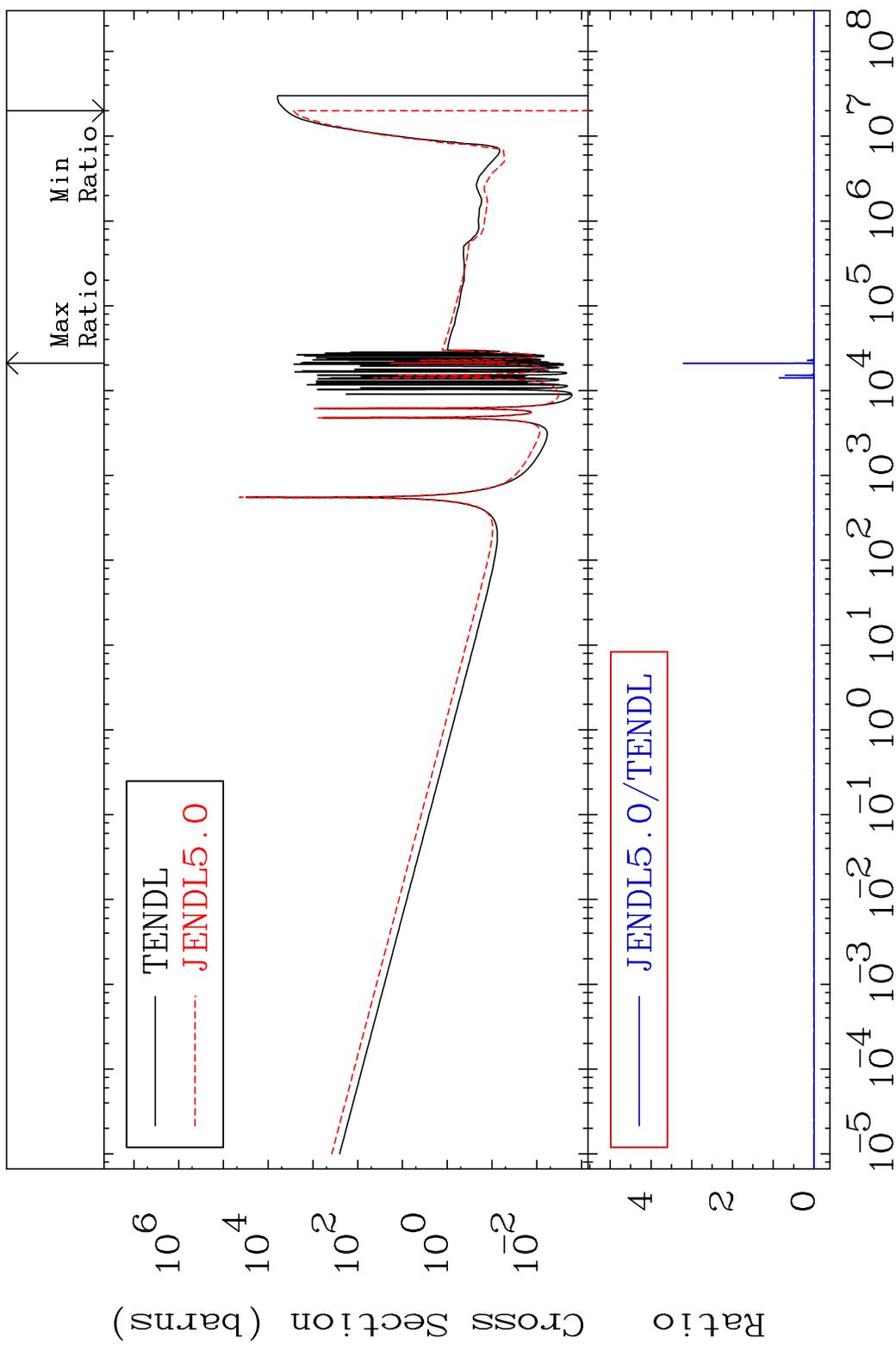


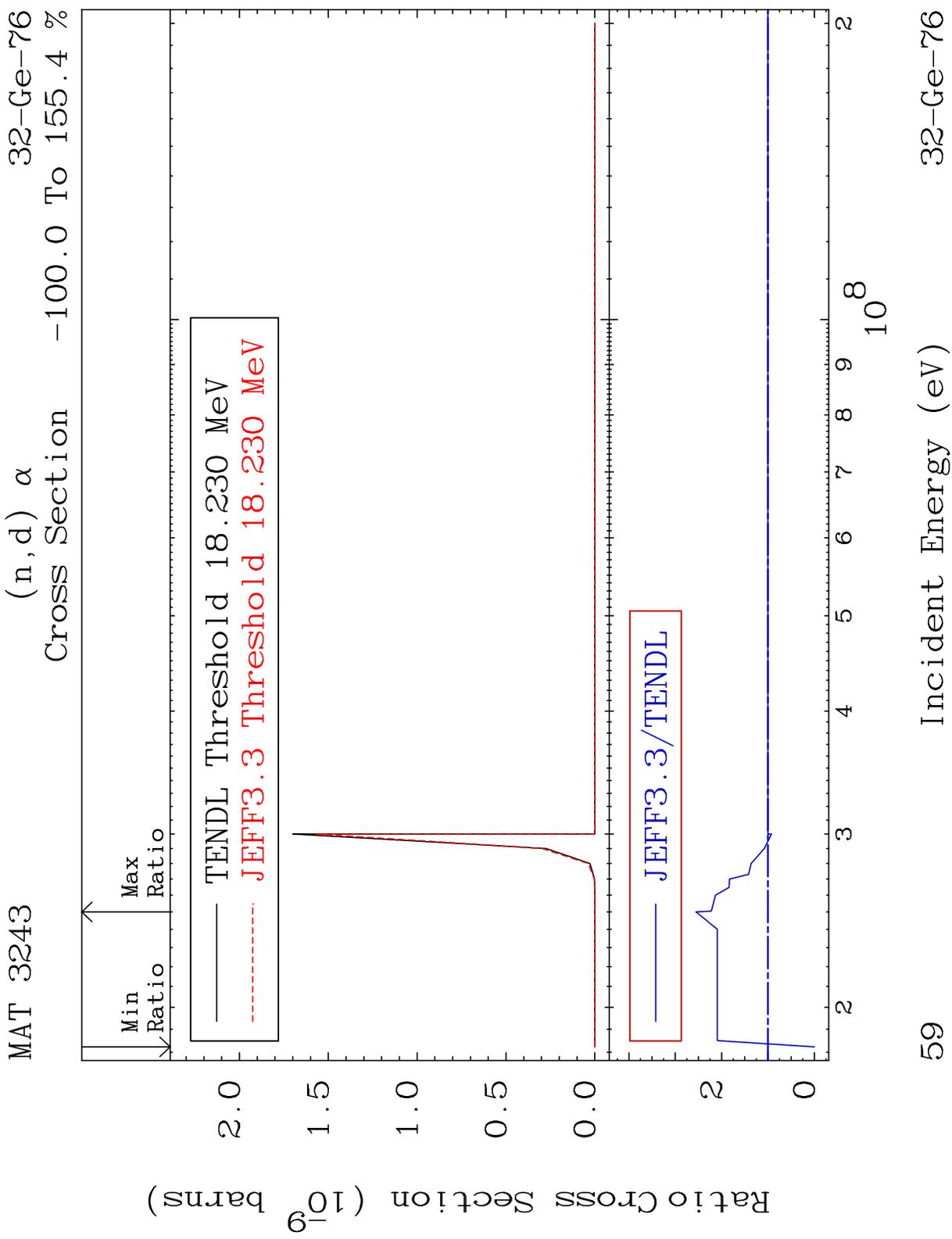
MAT 3243 Dpa inelastic (mt51-91) 32-Ge-76  
 Cross Section -100.0 To 9999. %



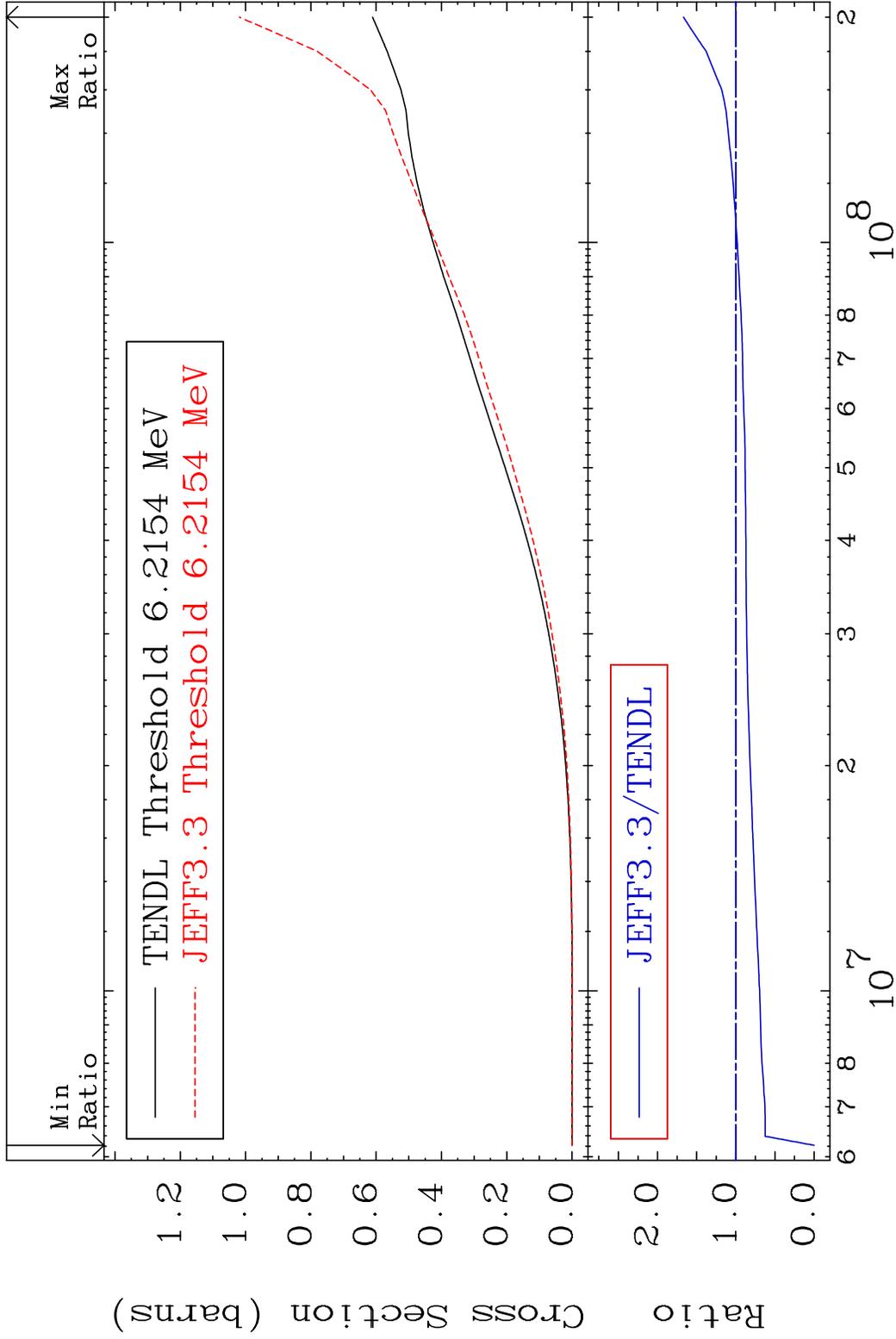
57 Incident Energy (eV) 32-Ge-76

MAT 3243 Dpa disappearance (mt102 -120) 32-Ge-76  
 Cross Section -100.0 To 9999. %



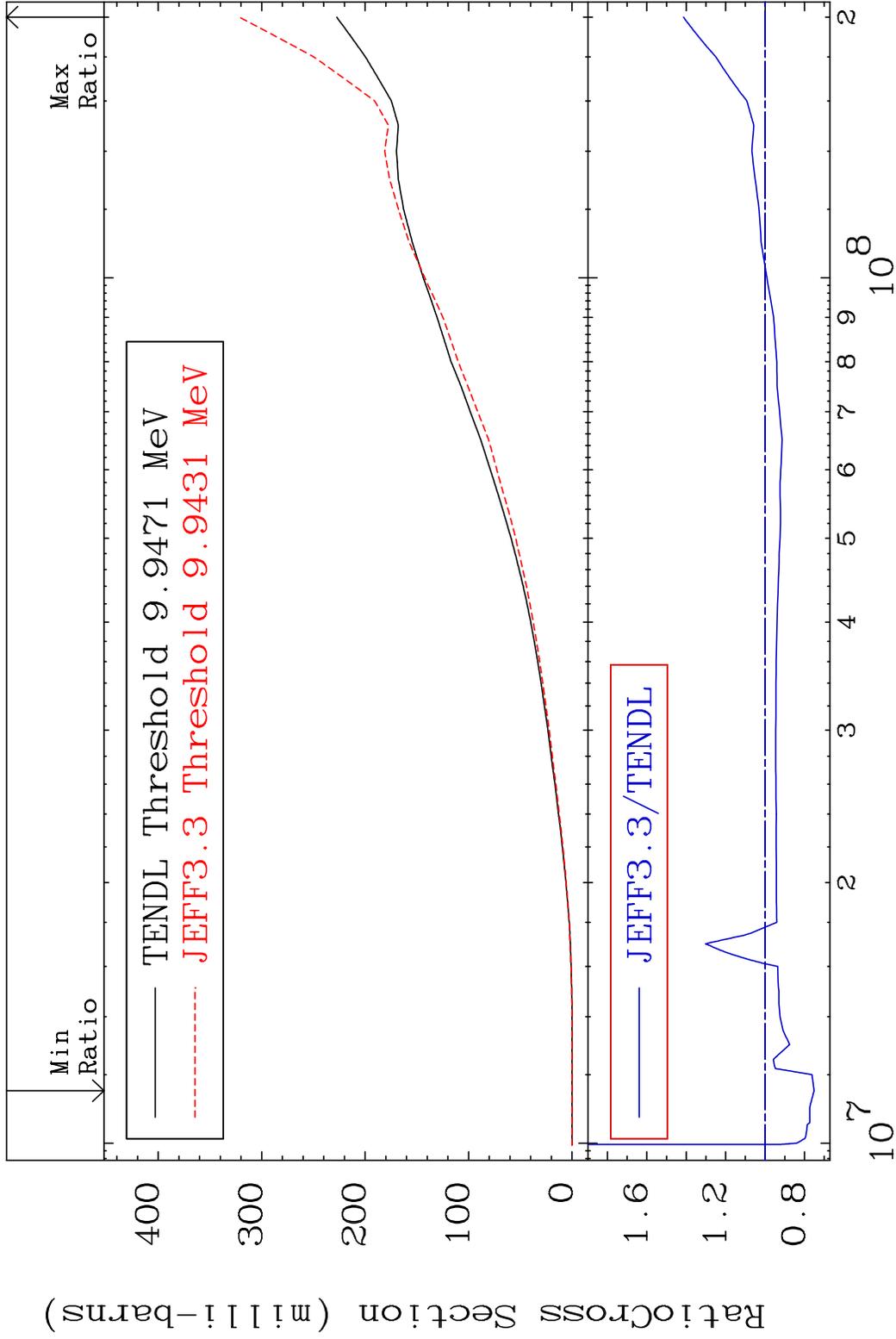


MAT 3243 Hydrogen Production 32-Ge-76  
 Cross Section -100.0 To 66.80 %



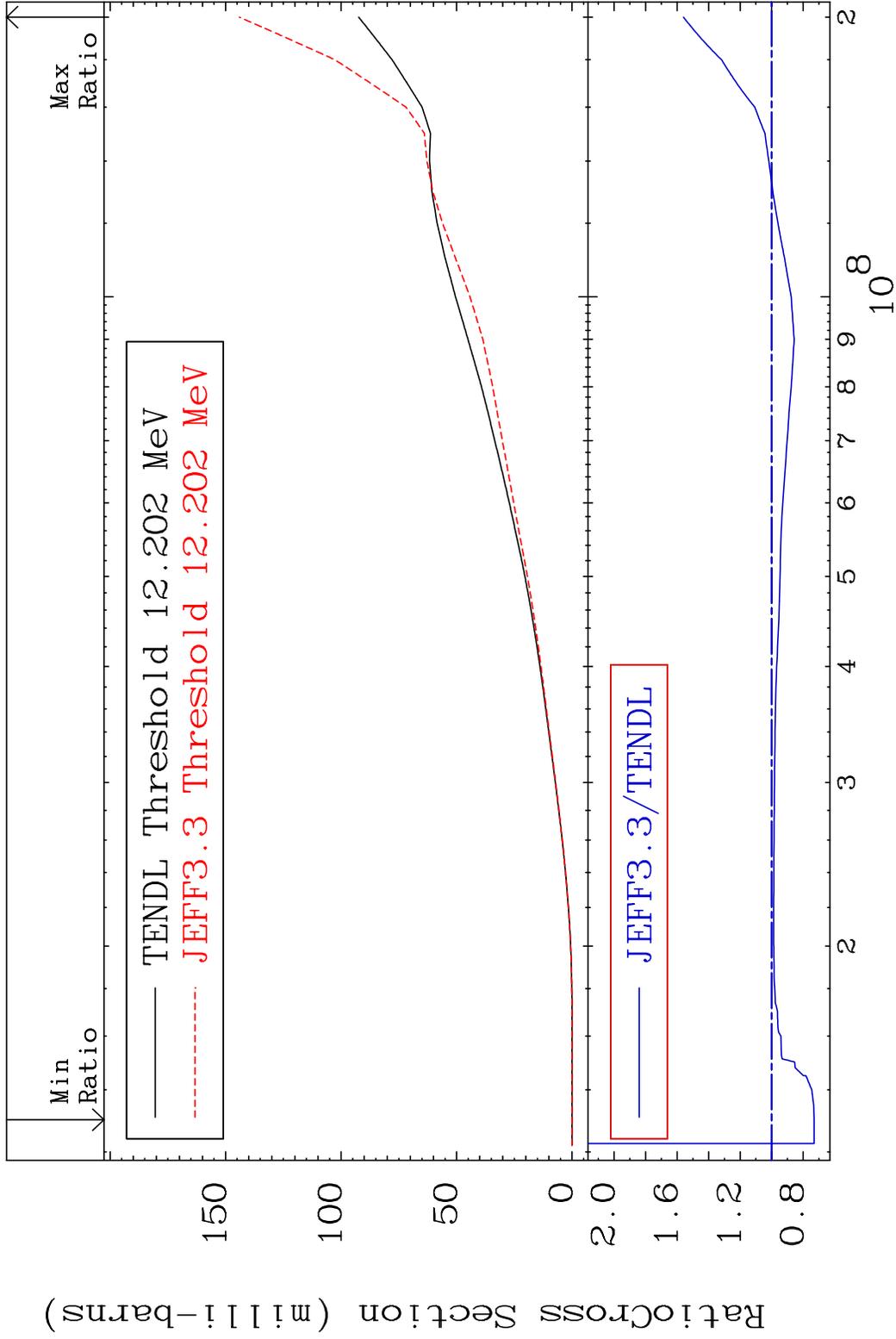
60 32-Ge-76

MAT 3243 Deuterium Production 32-Ge-76  
 Cross Section -24.84 To 41.39 %



61 Incident Energy (eV) 32-Ge-76

MAT 3243 Tritium Production 32-Ge-76  
 Cross Section -26.89 To 55.93 %



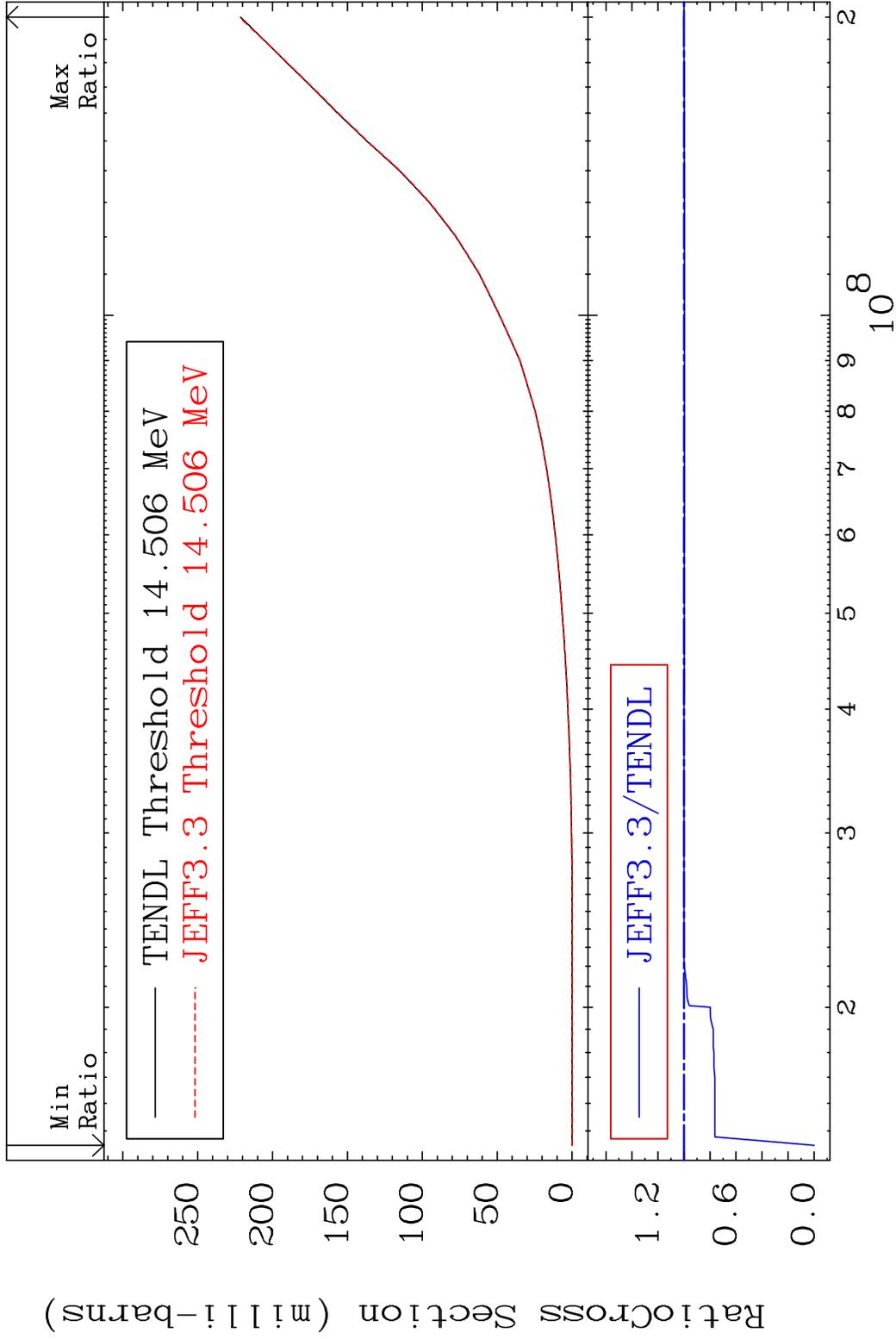
62 32-Ge-76

MAT 3243

He-3 Production

32-Ge-76

Cross Section -100.0 To 0.354 %

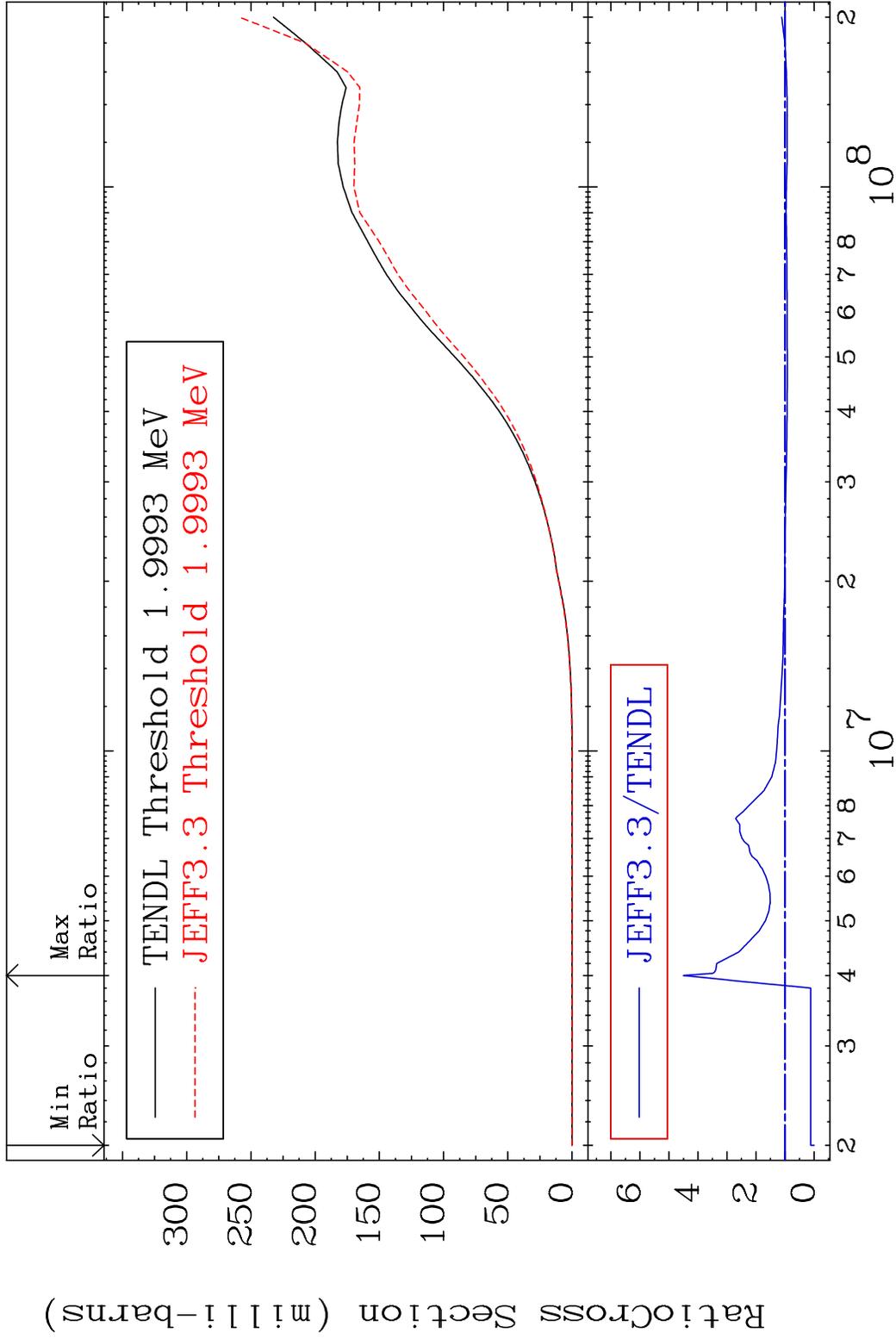


63

Incident Energy (eV)

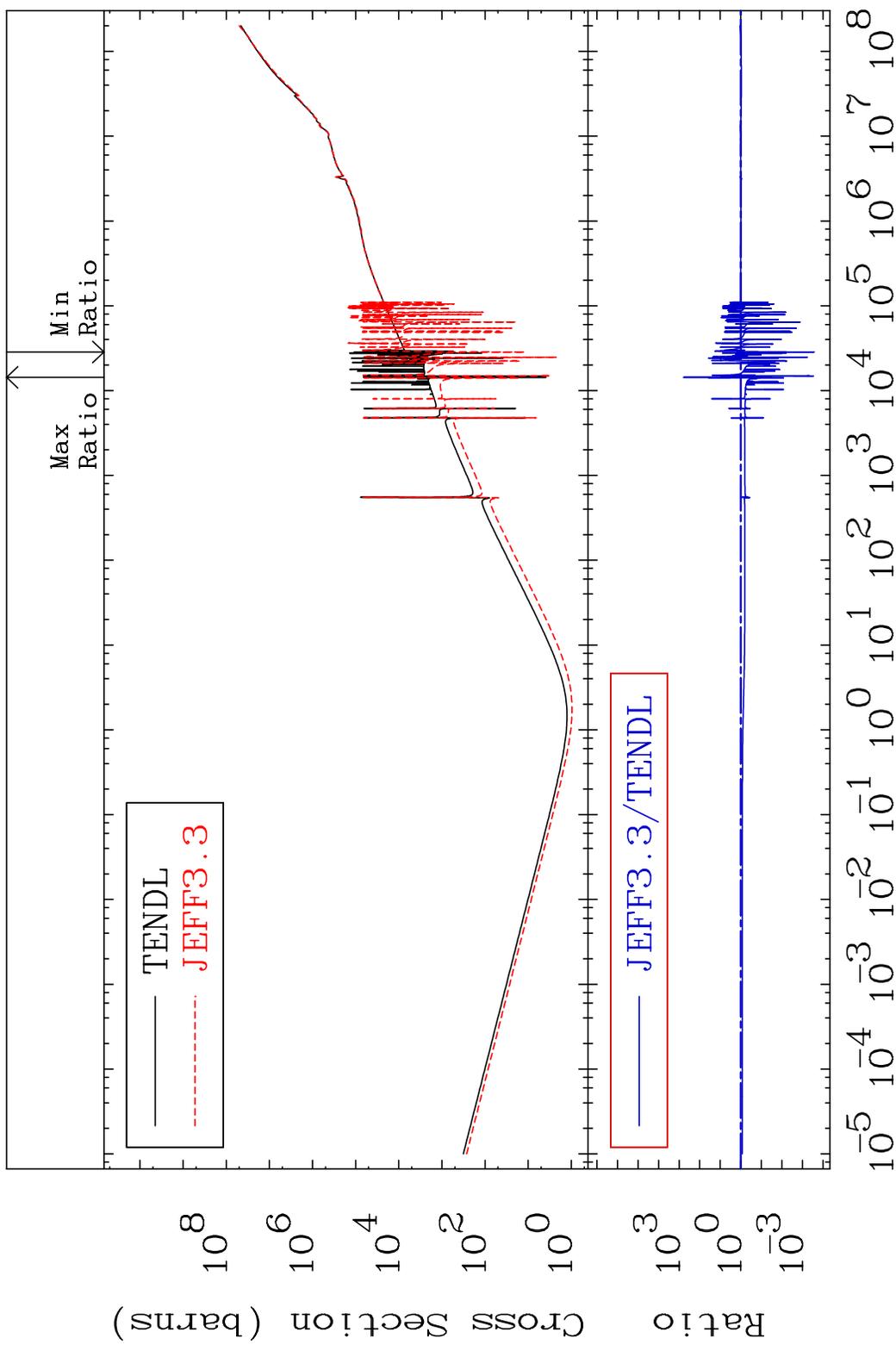
32-Ge-76

MAT 3243 He-4 Production 32-Ge-76  
 Cross Section -100.0 To 349.7 %



64 Incident Energy (eV) 32-Ge-76

MAT 3243 Kerma total (eV-barns) 32-Ge-76  
 Cross Section -99.97 To 9999. %

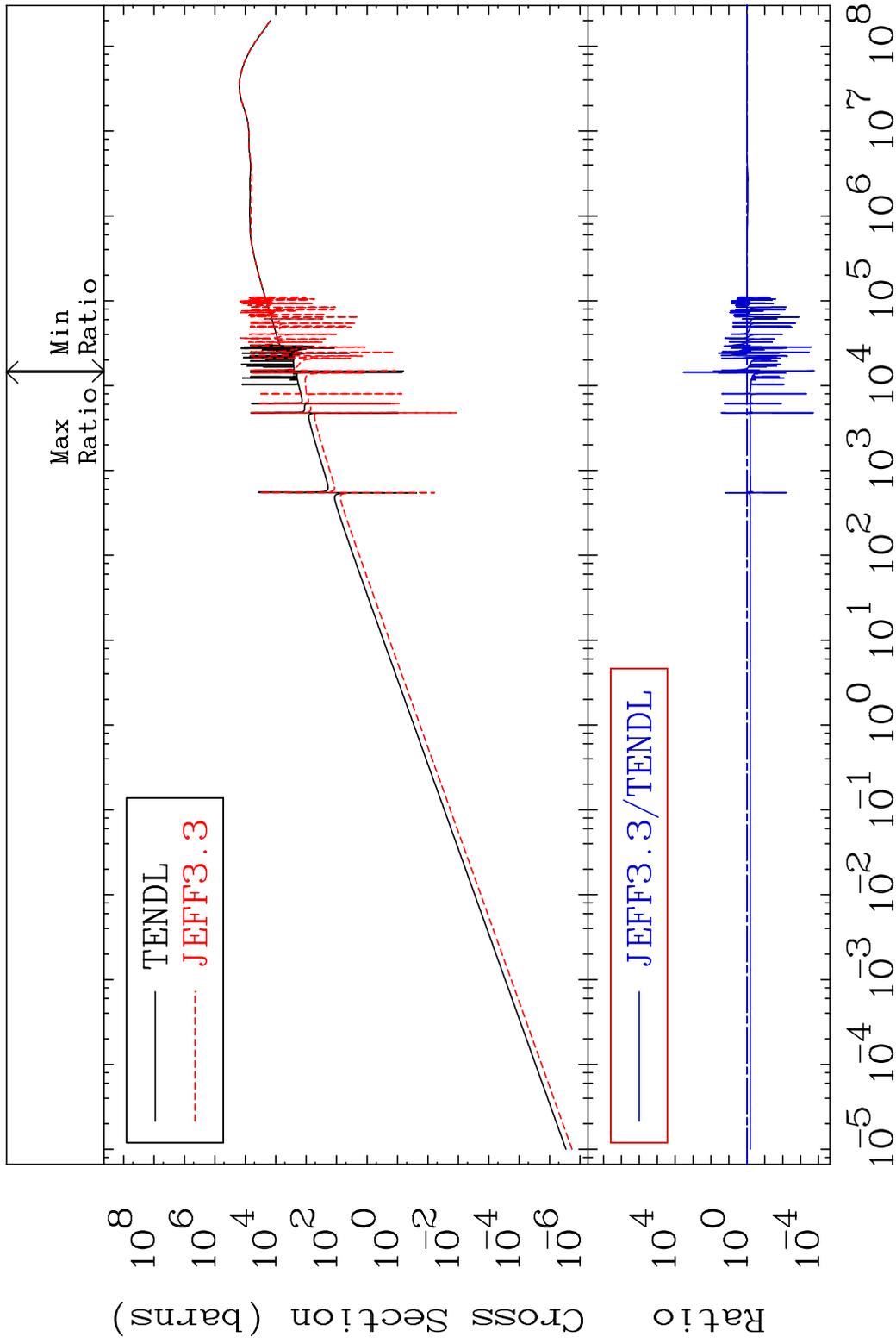


65 Incident Energy (eV) 32-Ge-76

MAT 3243

Kerma elastic  
Cross Section

32-Ge-76  
-99.98 To 9999. %

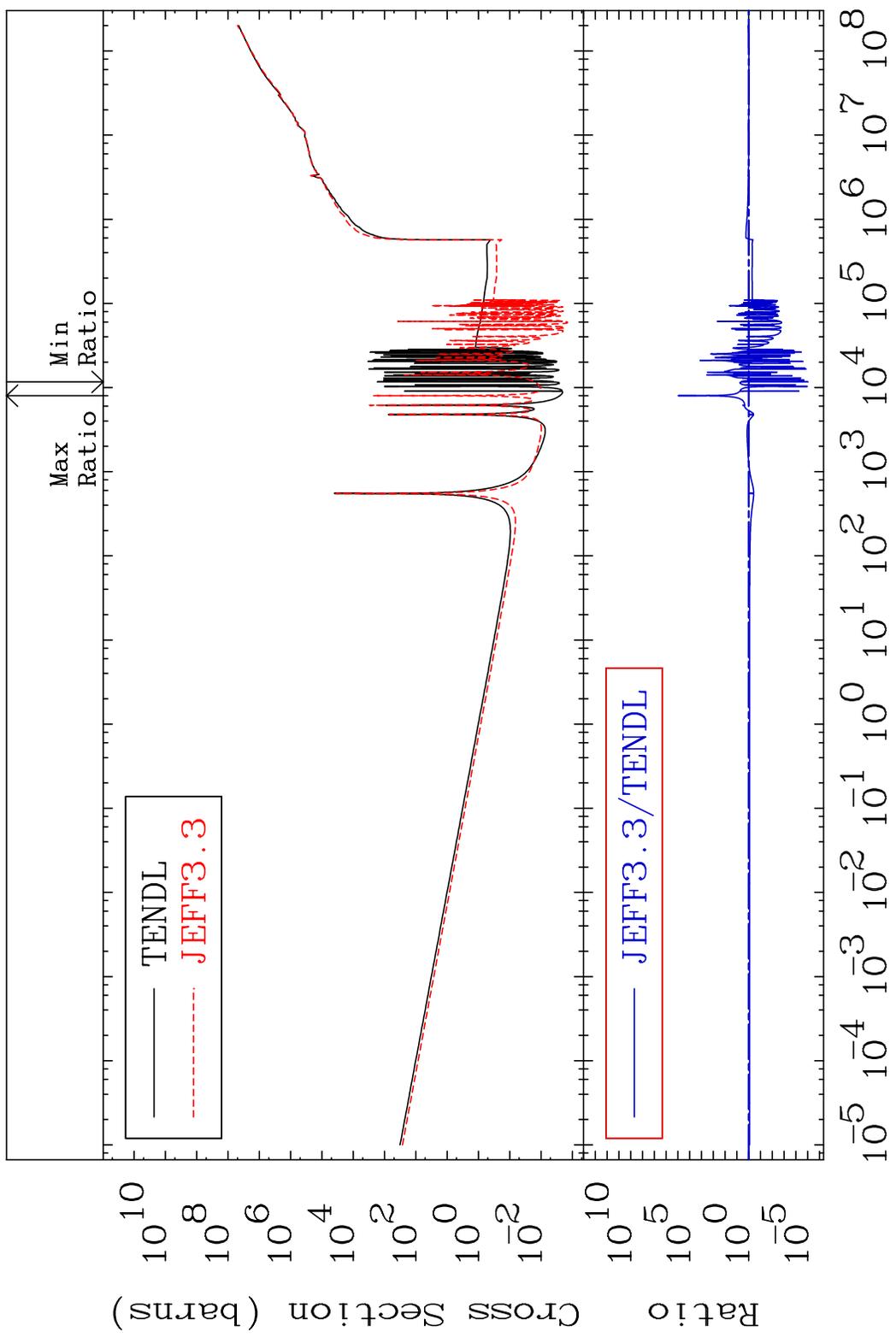


66

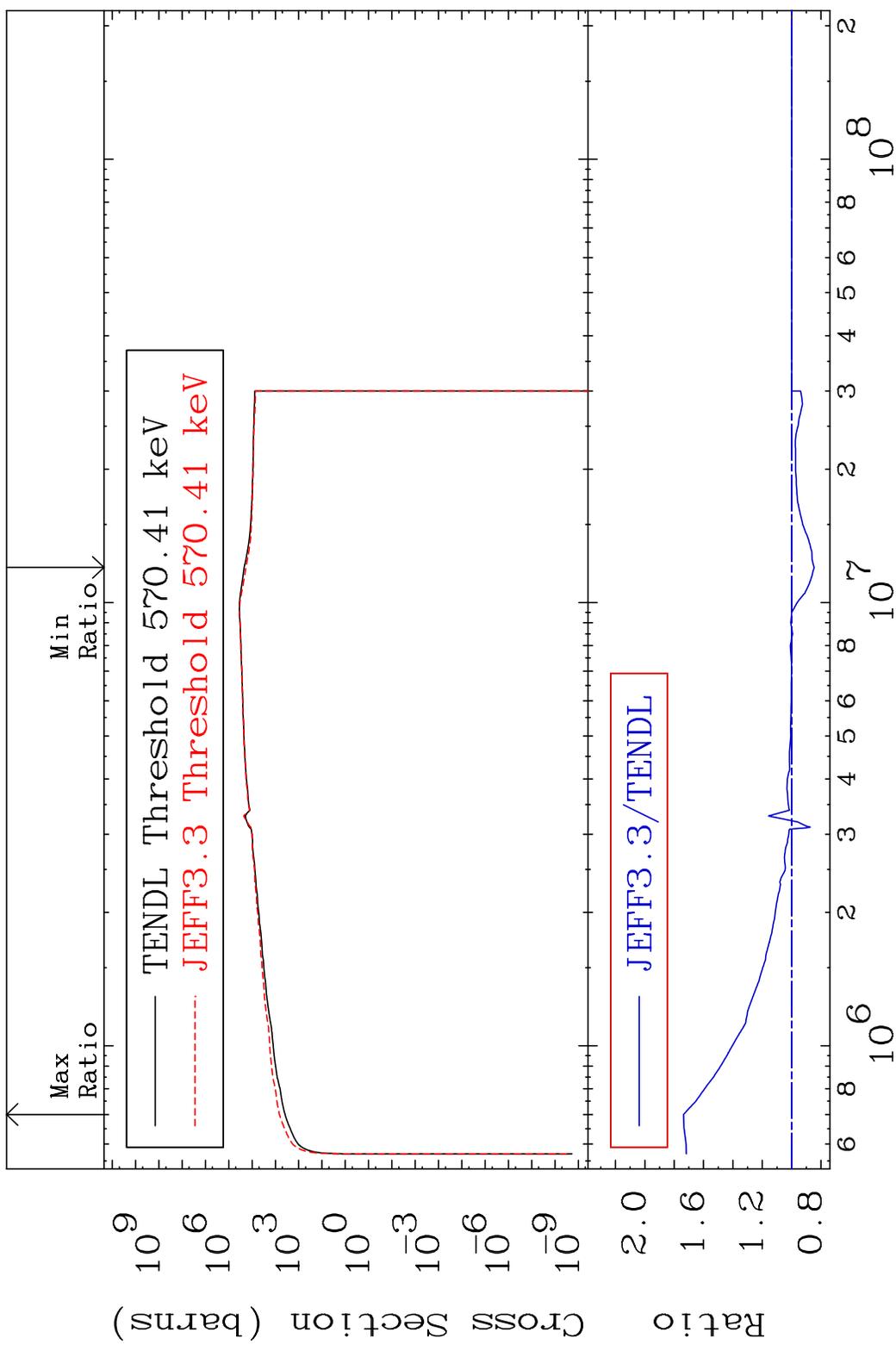
Incident Energy (eV)

32-Ge-76

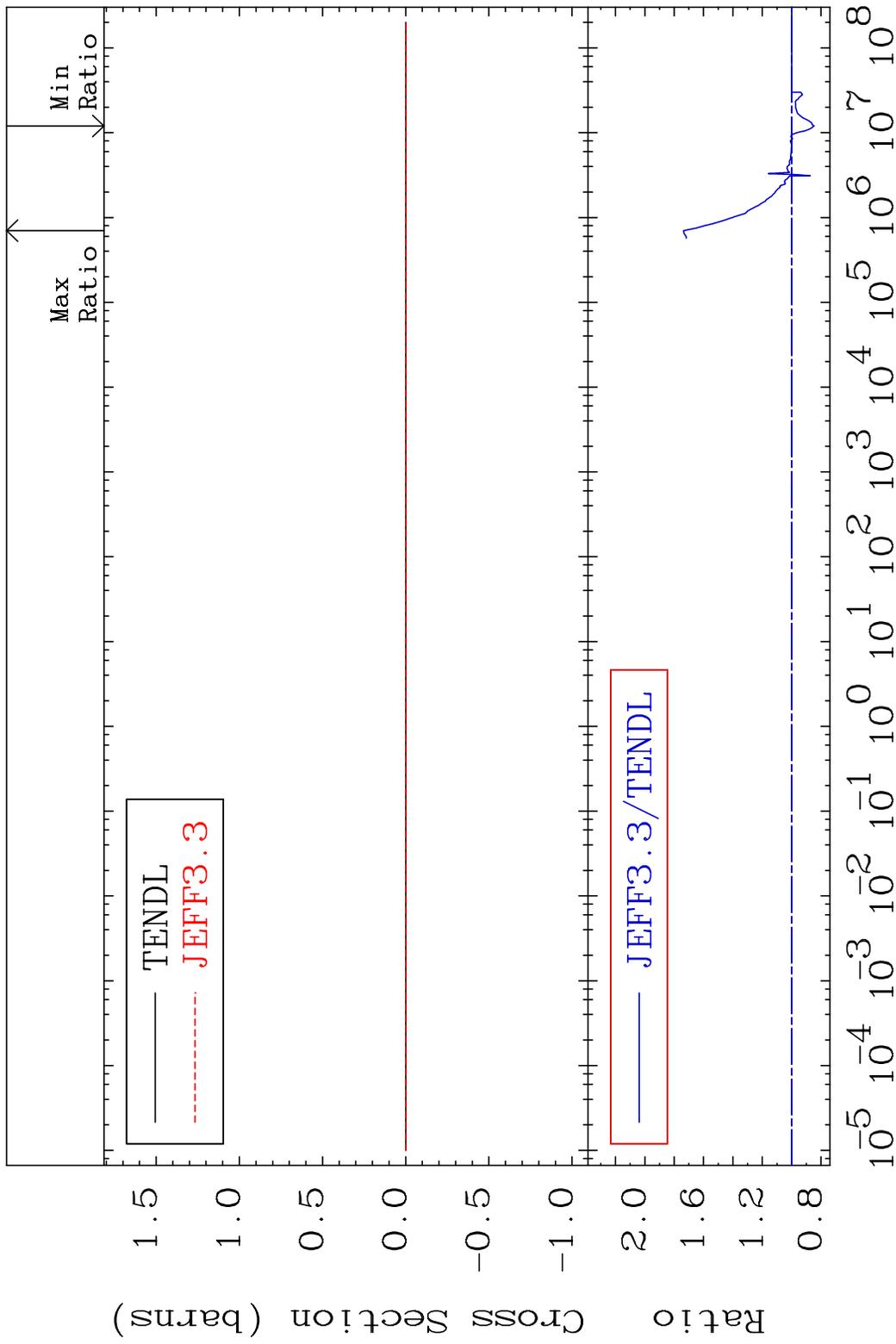
MAT 3243 Kerma non-elastic (all but mt2) 32-Ge-76  
 Cross Section -100.0 To 9999. %



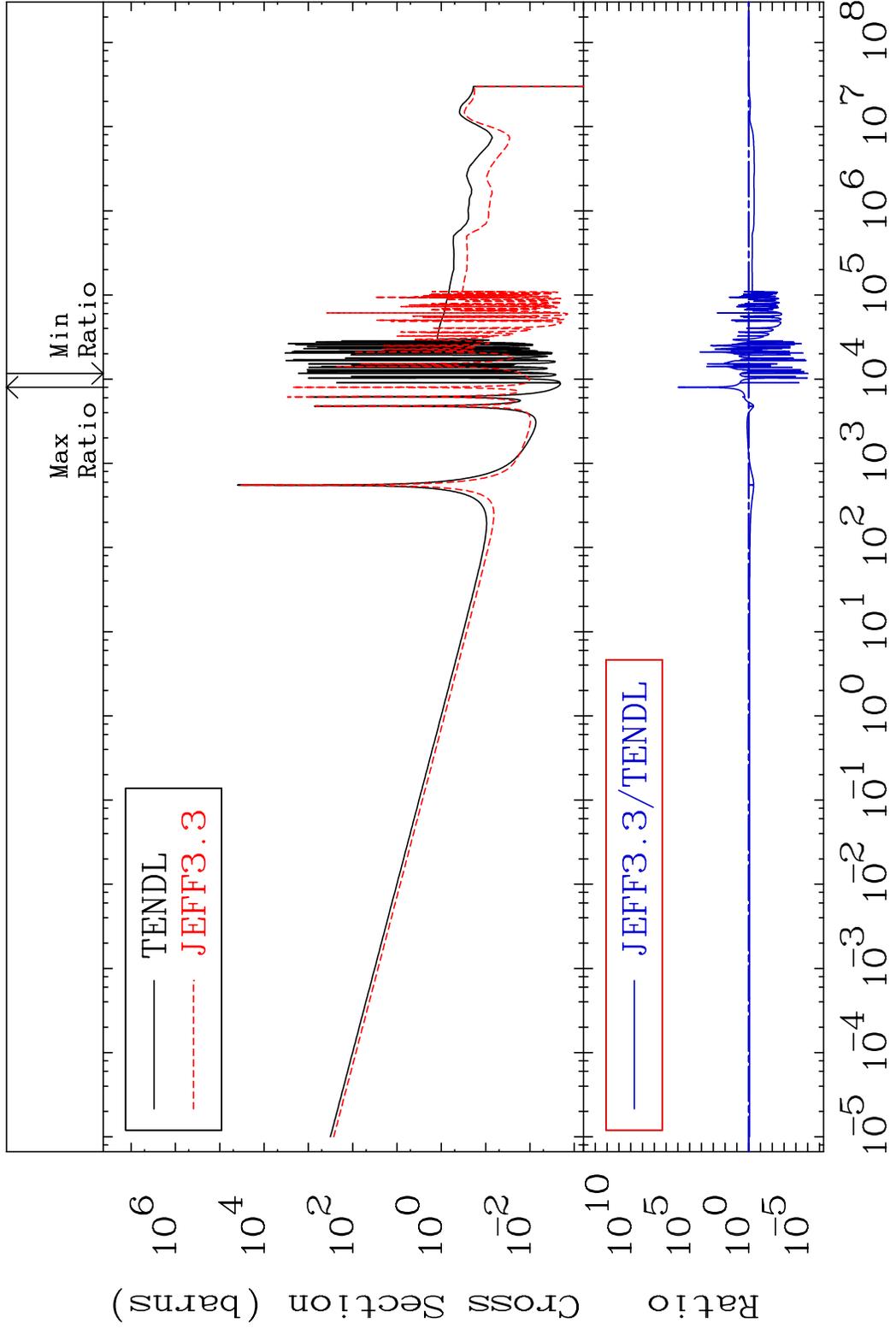
MAT 3243 Kerma inelastic (mt51-91) 32-Ge-76  
 Cross Section -15.27 To 73.63 %



MAT 3243 Kerma fission (mt18 or mt19-20-21-38) 32-Ge-76  
 Cross Section -15.27 To 73.63 %

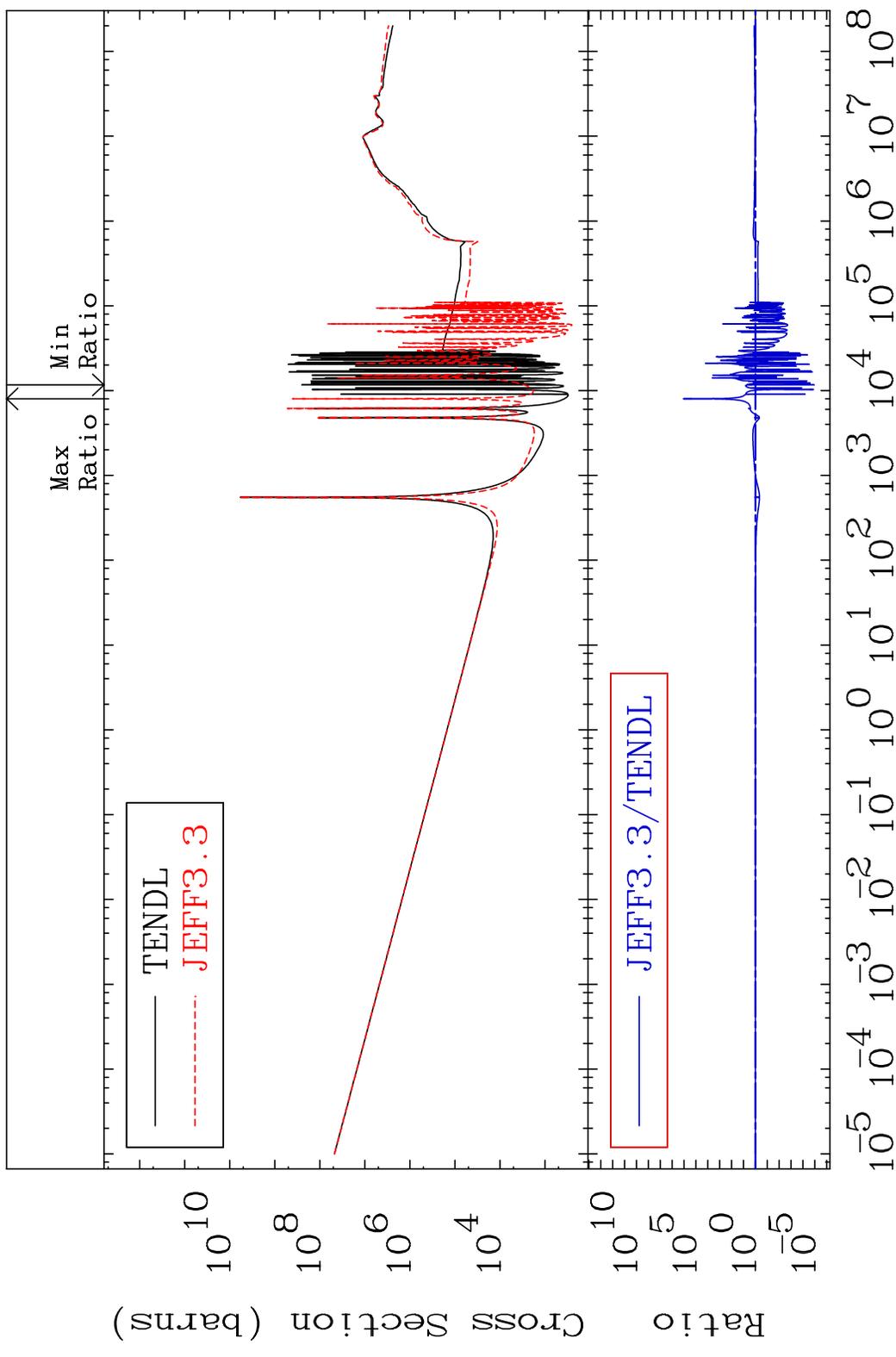


MAT 3243 Kerma capture (mt102) 32-Ge-76  
Cross Section -100.0 To 9999. %



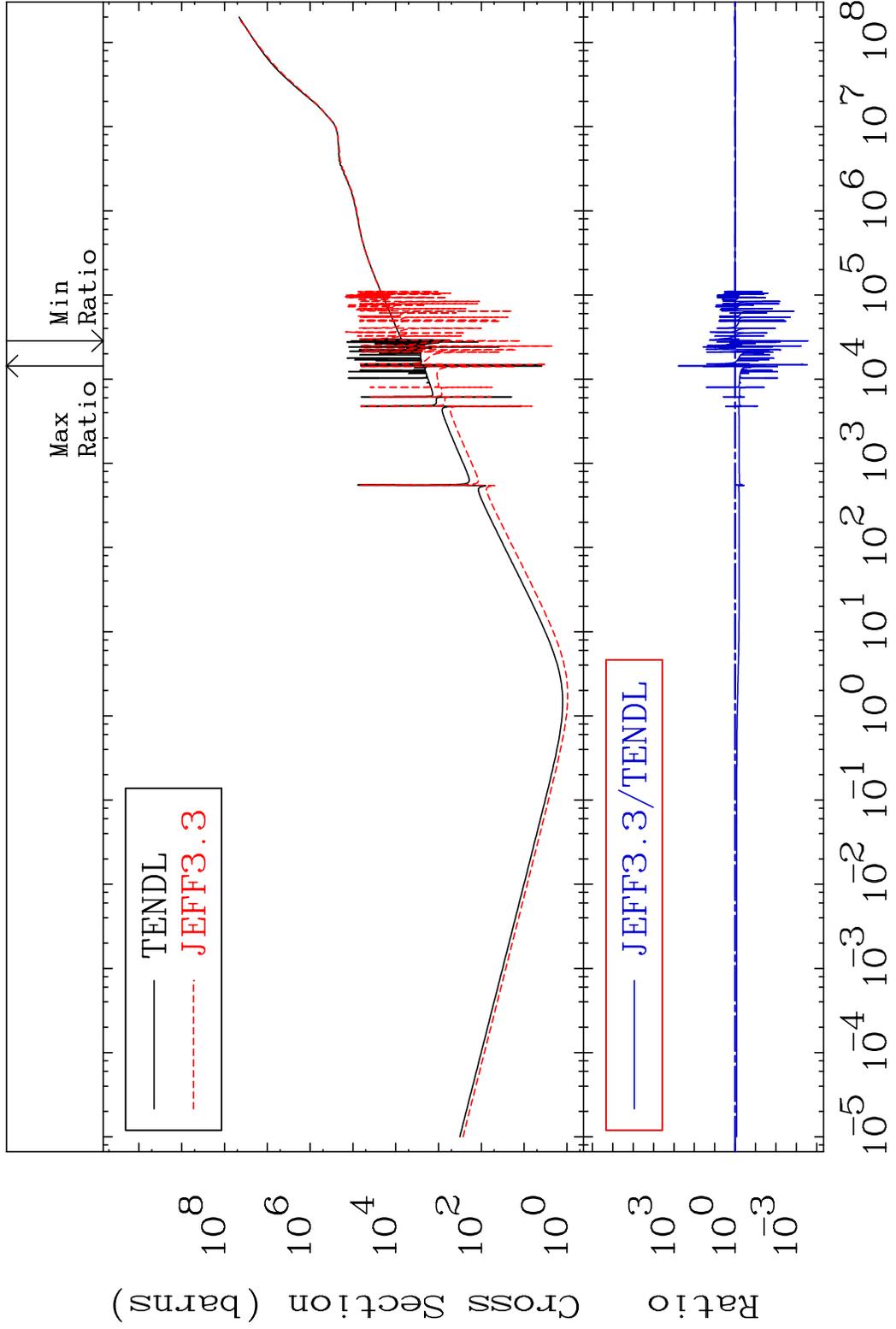
70 Incident Energy (eV) 32-Ge-76

MAT 3243 Total photon (eV-barns) 32-Ge-76  
 Cross Section -100.0 To 9999. %



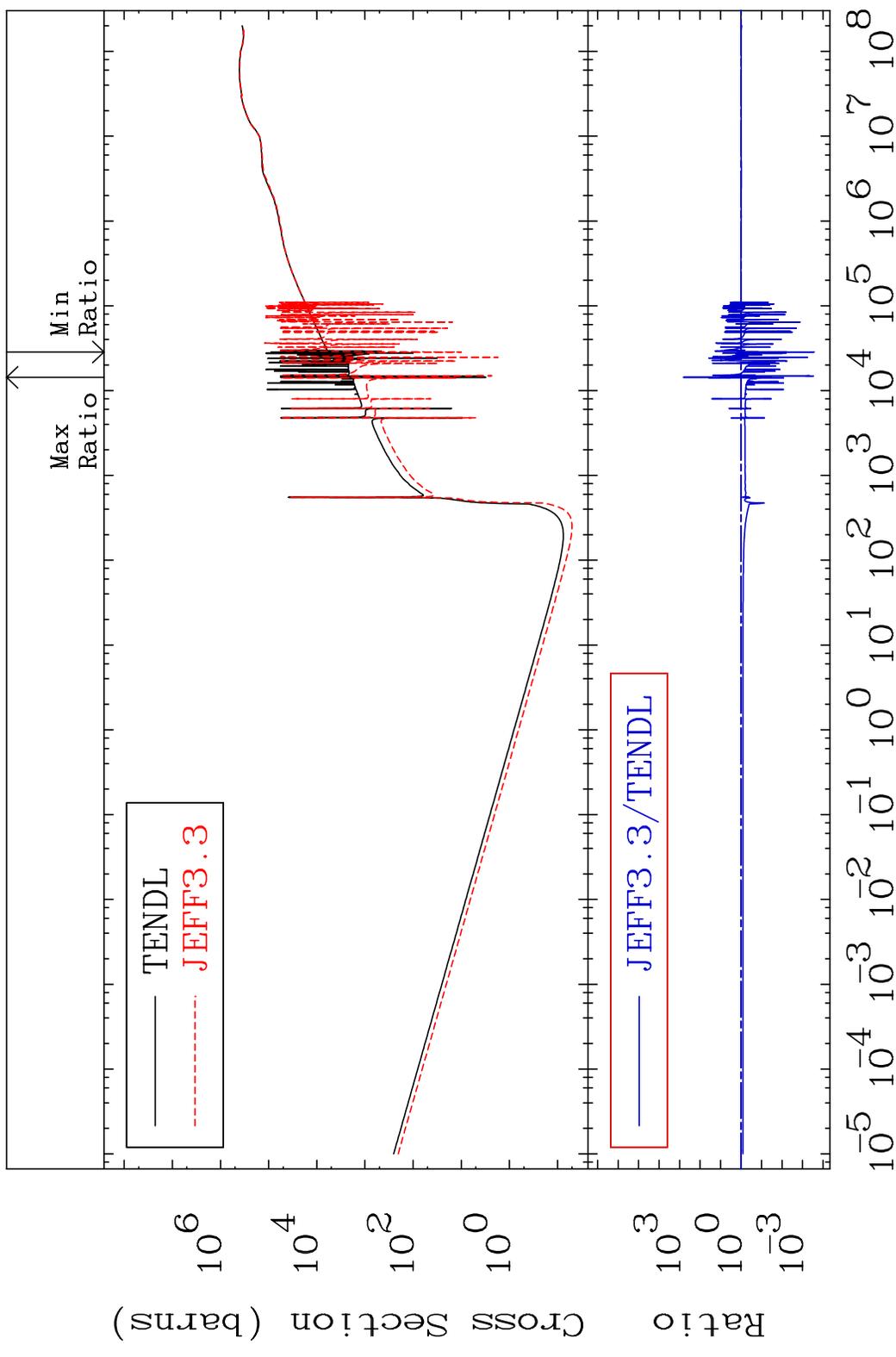
71 Incident Energy (eV) 32-Ge-76

MAT 3243 Total kinematic kerma (high limit) 32-Ge-76  
 Cross Section -99.97 To 9999. %



72 Incident Energy (eV) 32-Ge-76

MAT 3243      Dpa total (eV-barns)      32-Ge-76  
 Cross Section      -99.97 To 9999. %

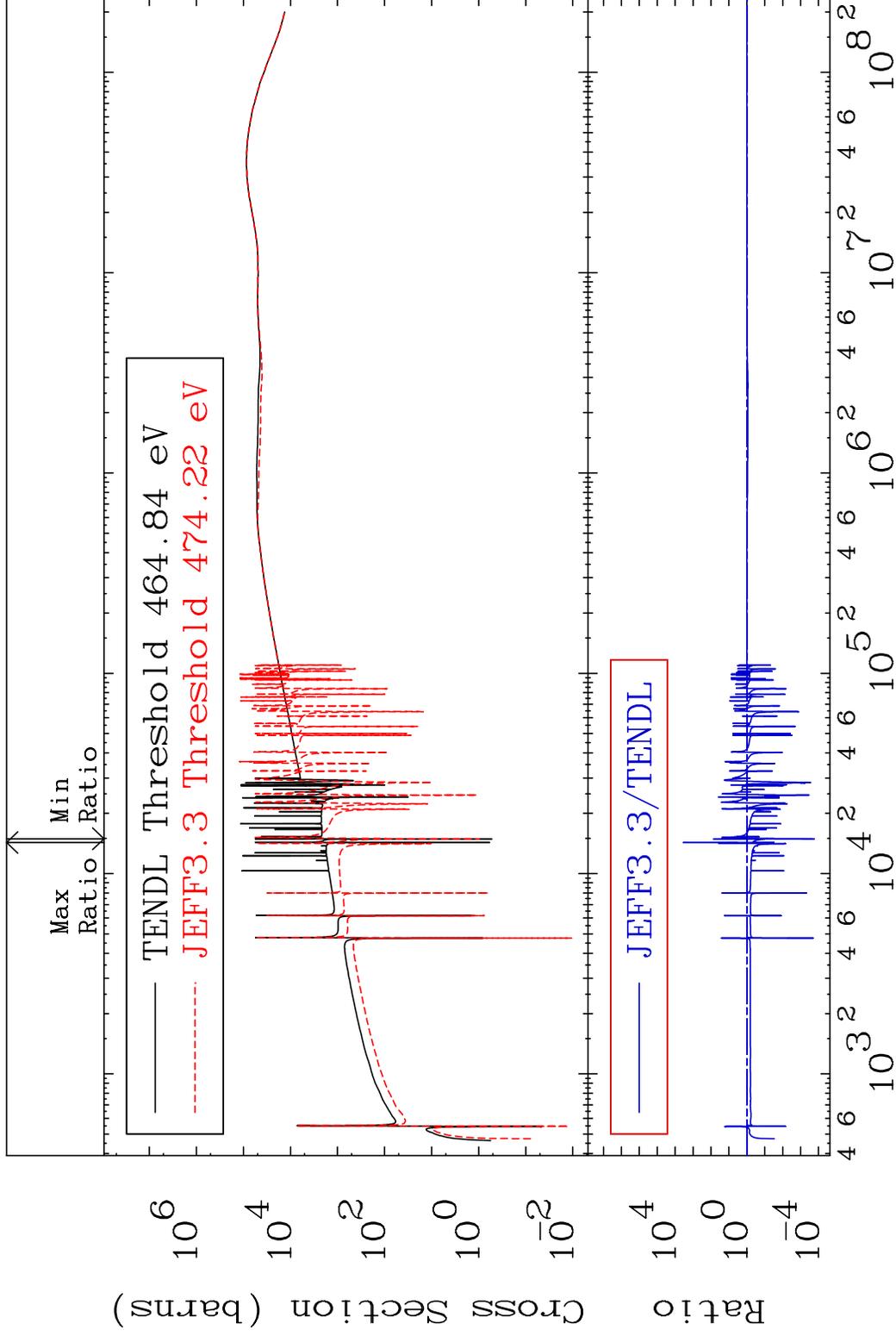


MAT 3243

Dpa elastic (mt2)

32-Ge-76

Cross Section -99.98 To 9999. %

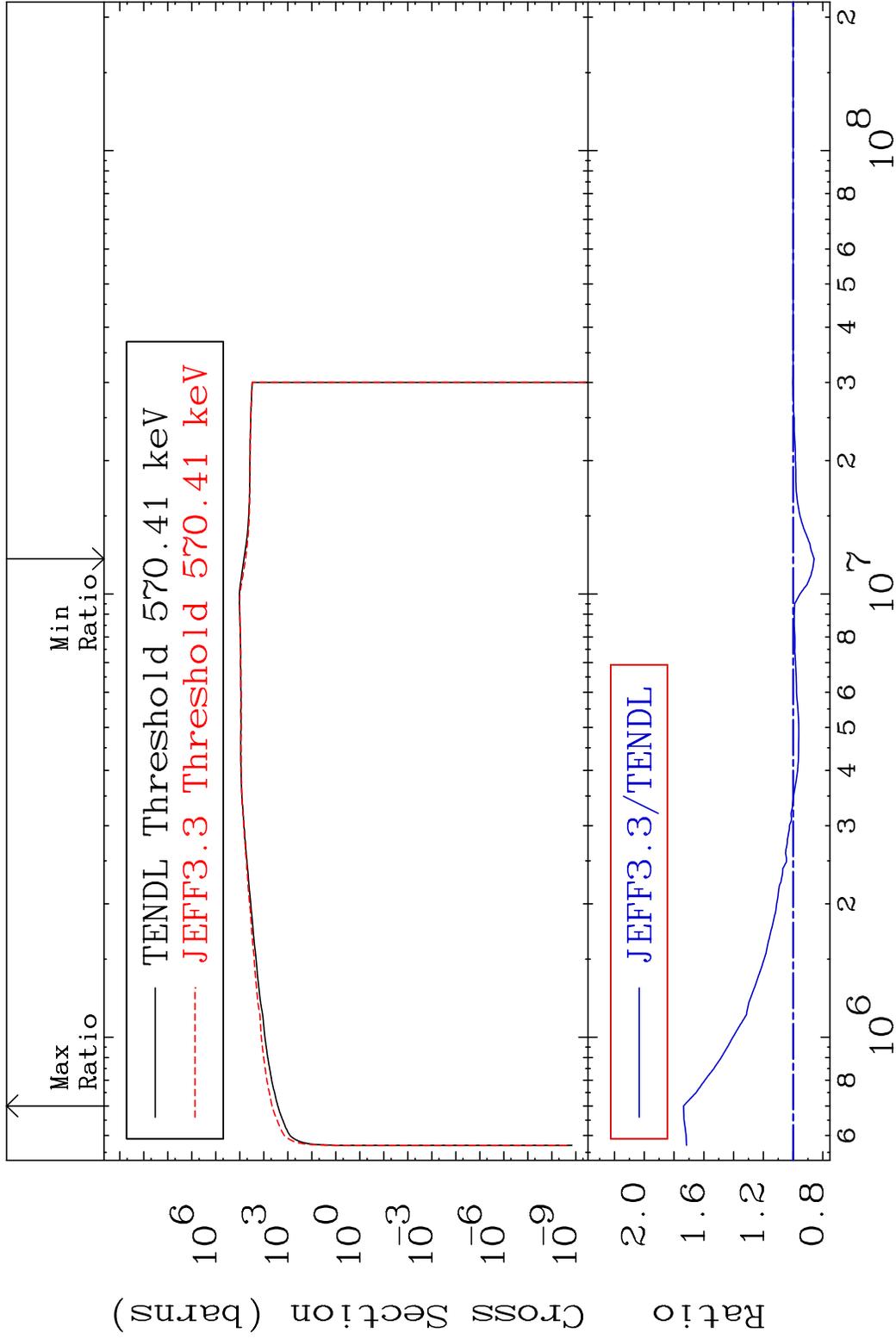


74

Incident Energy (eV)

32-Ge-76

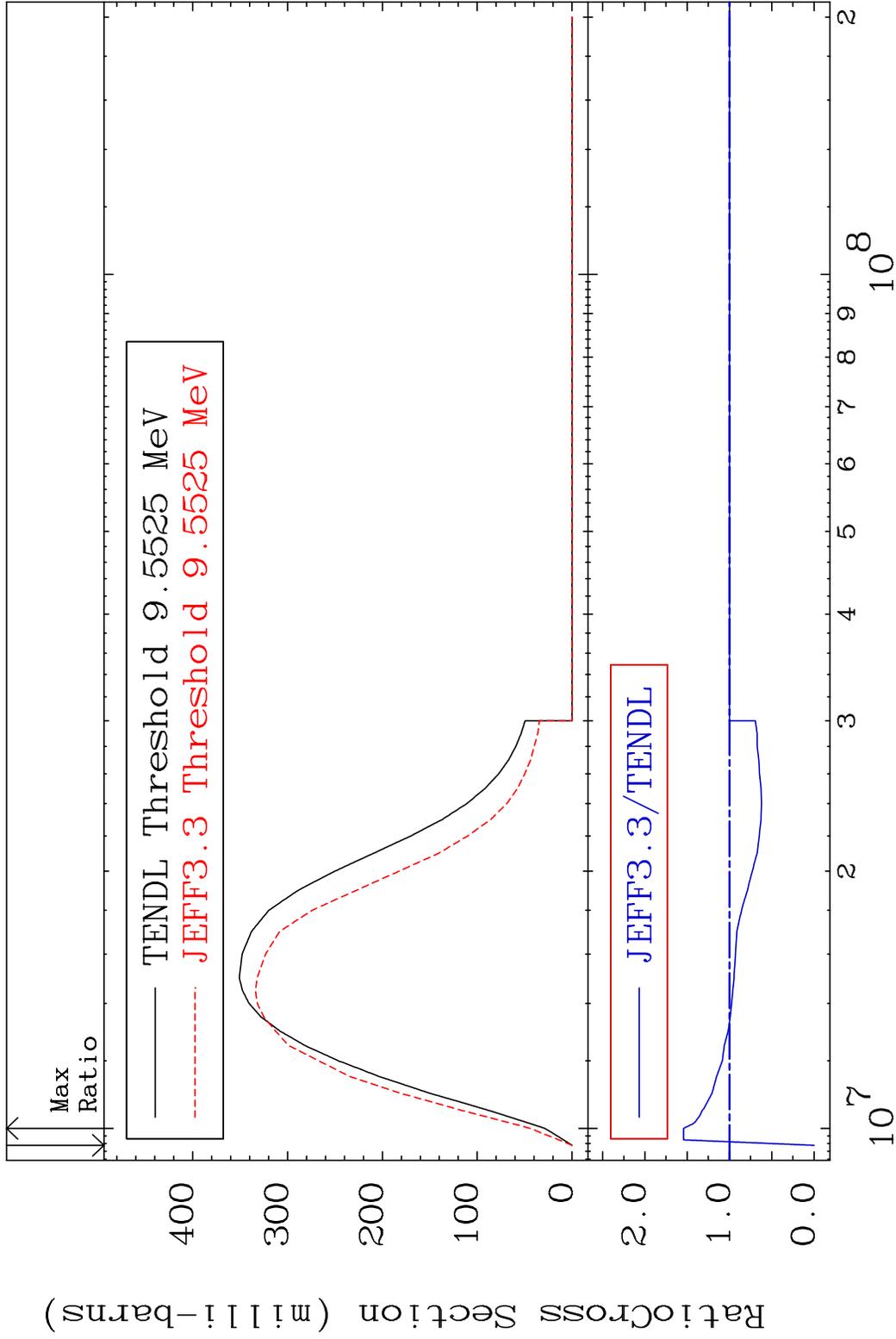
MAT 3243      Dpa inelastic (mt51-91)      <sup>32</sup>Ge-76  
 Cross Section      -14.12 To 73.64 %



75      Incident Energy (eV)      <sup>32</sup>Ge-76

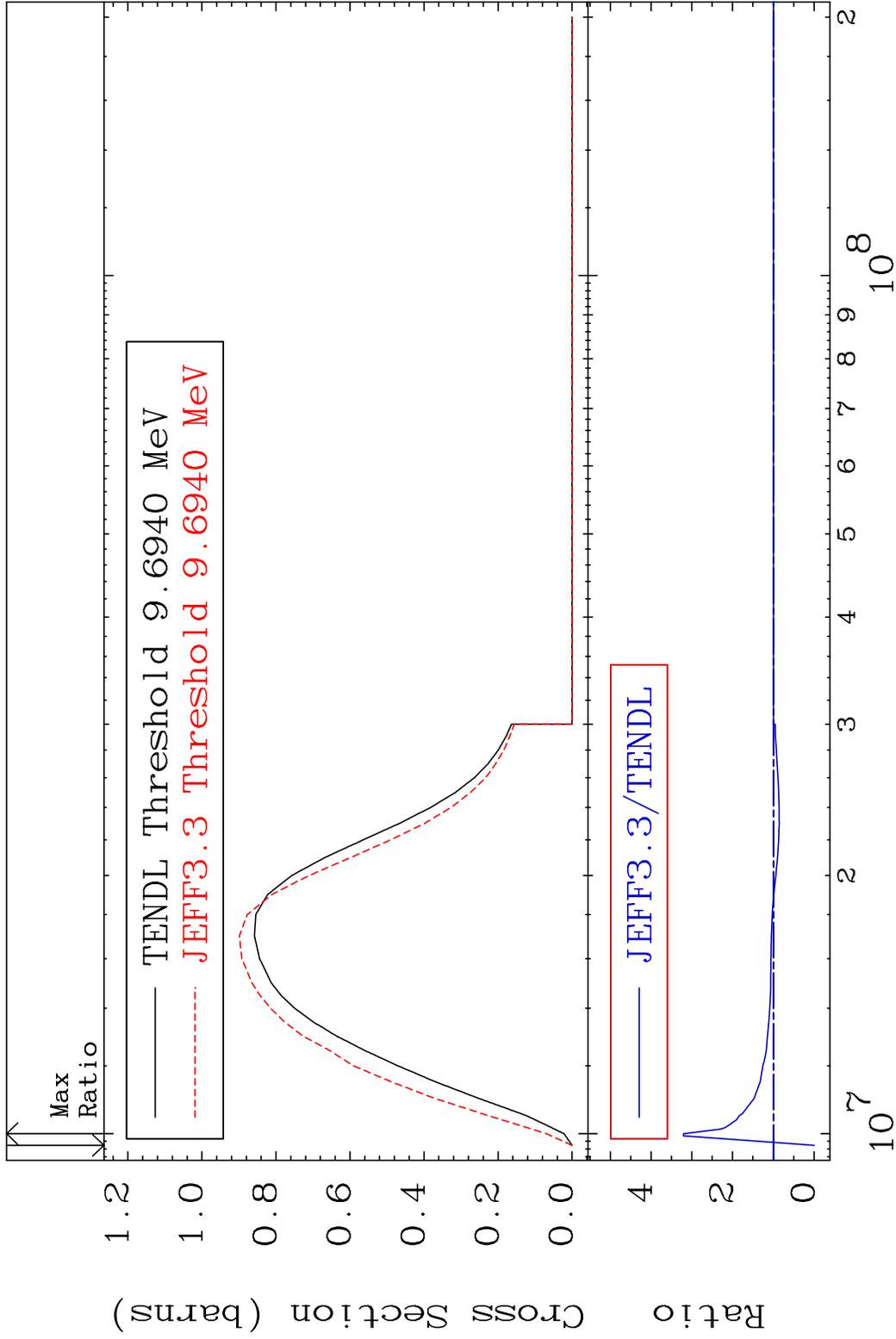


MAT 3243 (n,2n):32-Ge-75g 32-Ge-76  
 Radionuclide Production Cross Section 180000 dpo 54.35 %



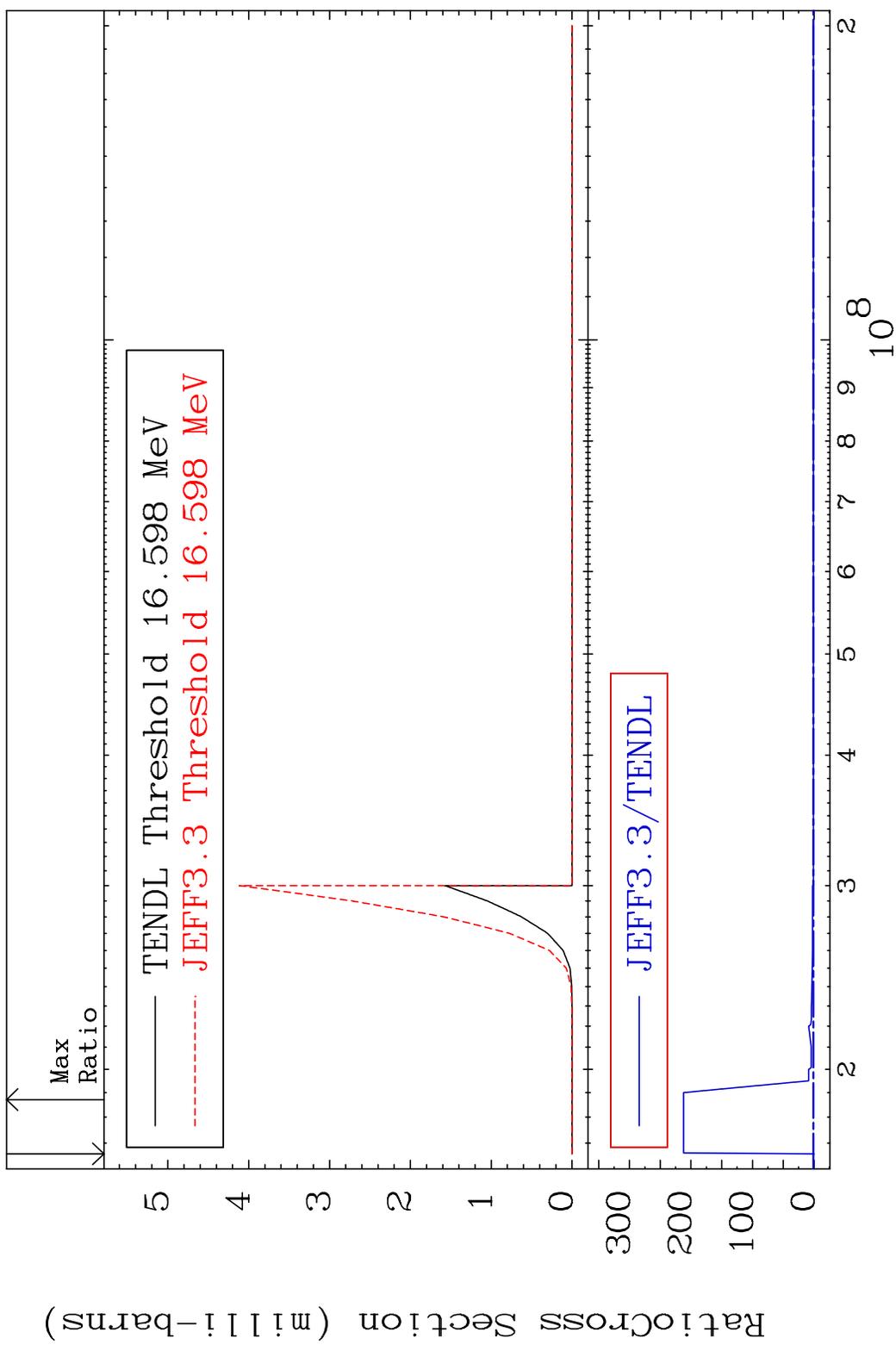
77 32-Ge-76

MAT 3243 (n,2n): 32-Ge-75m2 32-Ge-76  
 Radionuclide Production Cross Section 180000 dpo 220.4 %

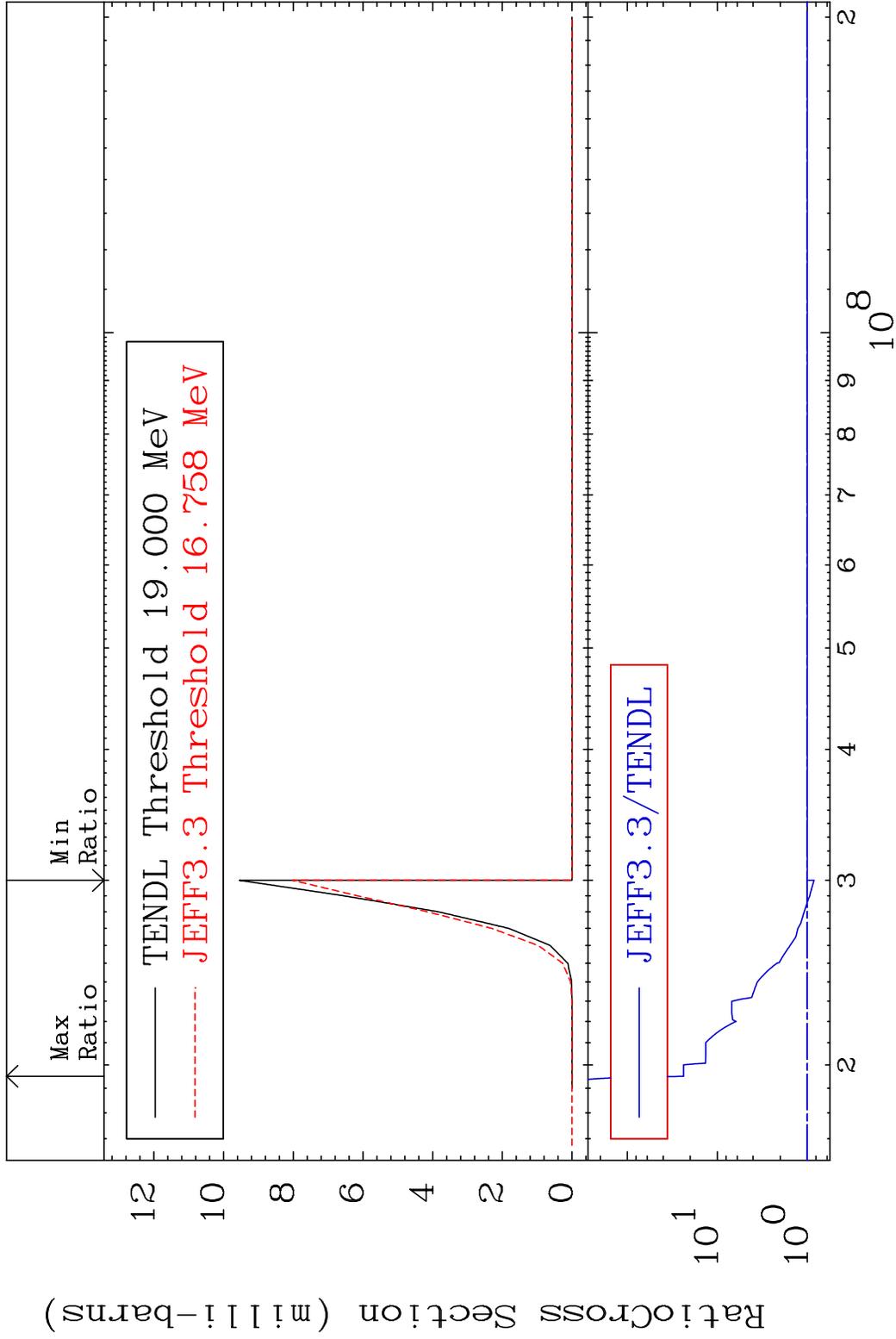


78 Incident Energy (eV) 32-Ge-76

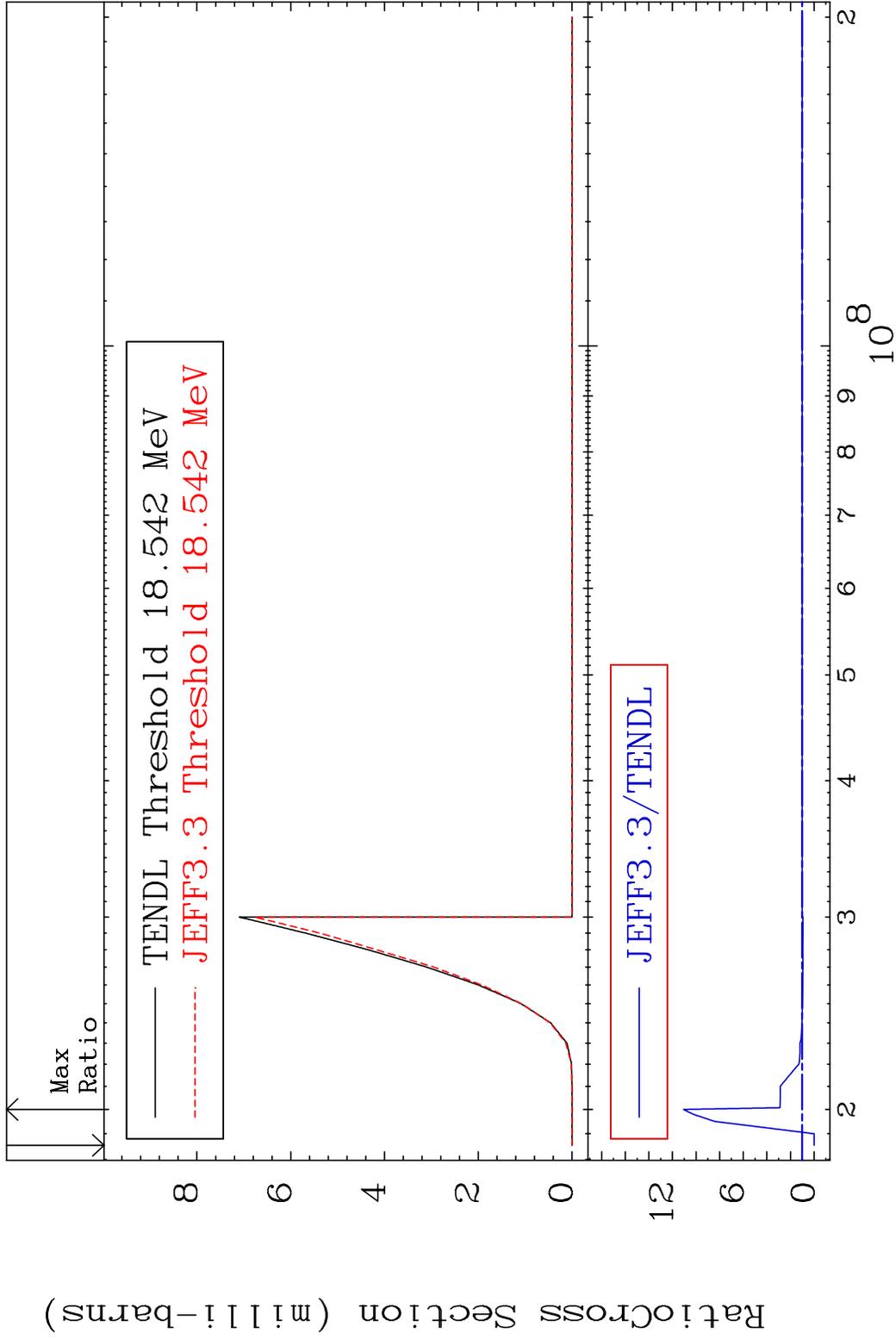
MAT 3243 (n,2n)  $\alpha$ :30-Zn-71g 32-Ge-76  
 Radionuclide Production Cross Section 18000i d10 9999. %



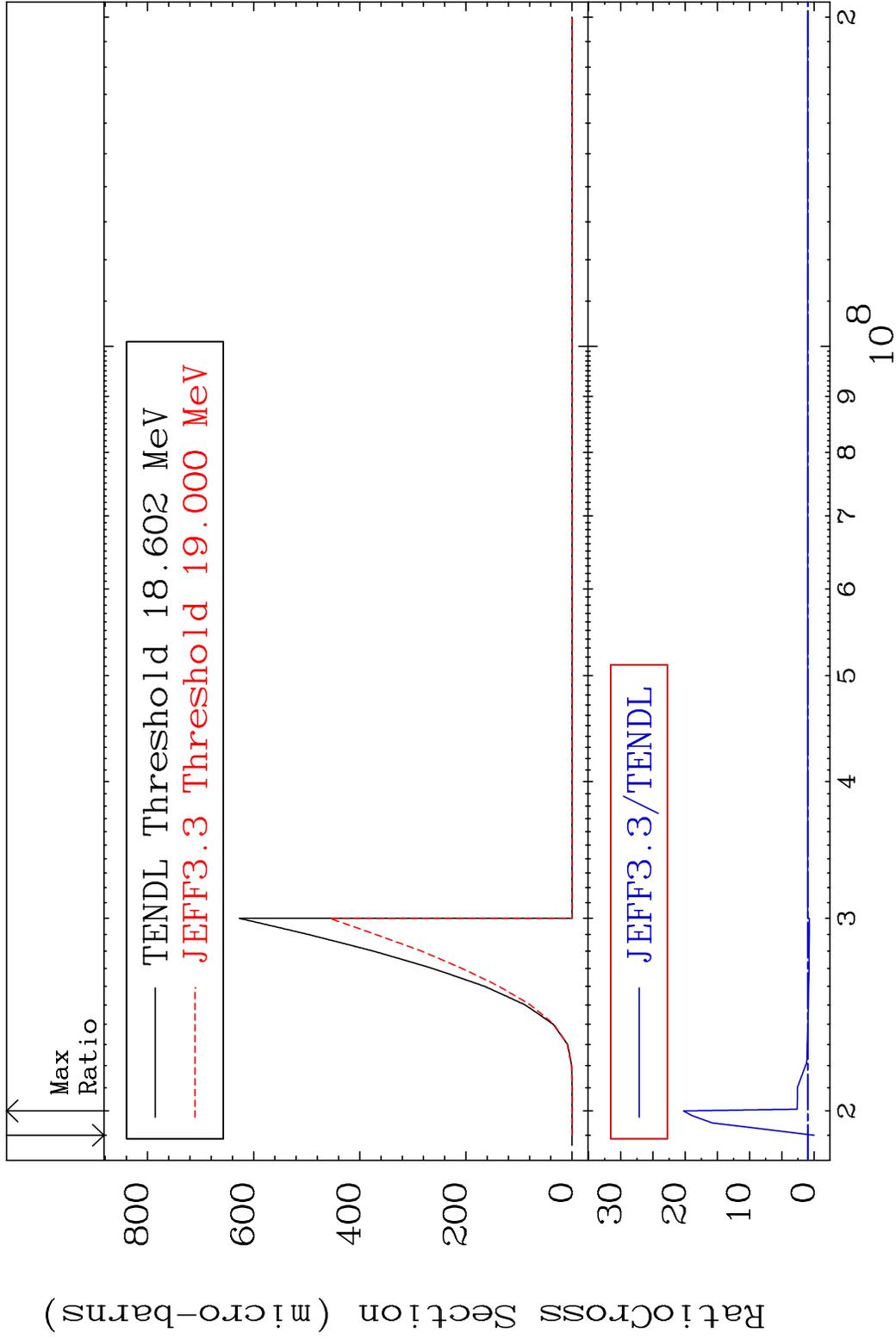
79 Incident Energy (eV) 32-Ge-76



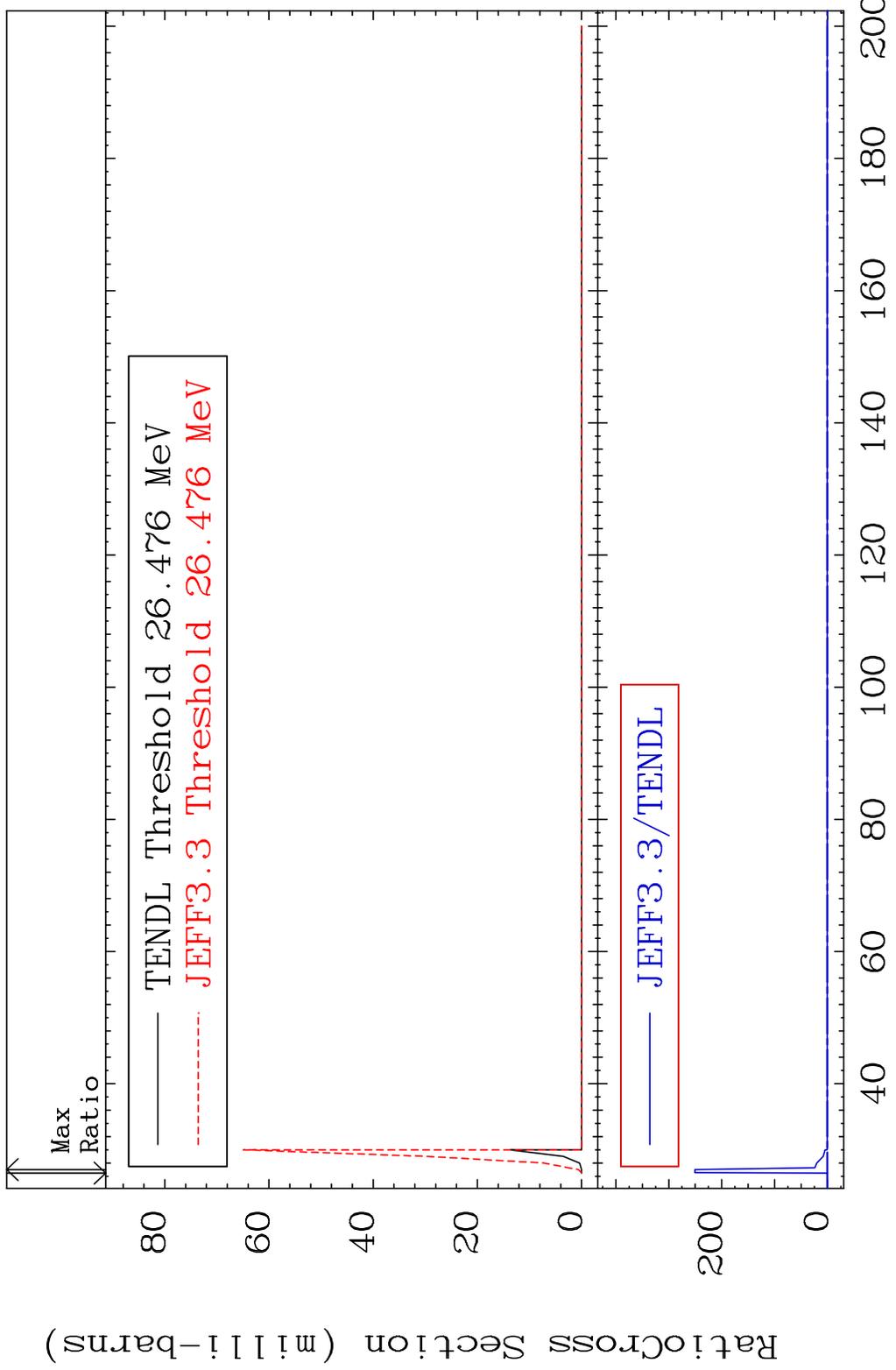
MAT 3243 (n, n') d:31-Ga-74g 32-Ge-76  
 Radionuclide Production Cross Section 100% 1006. %



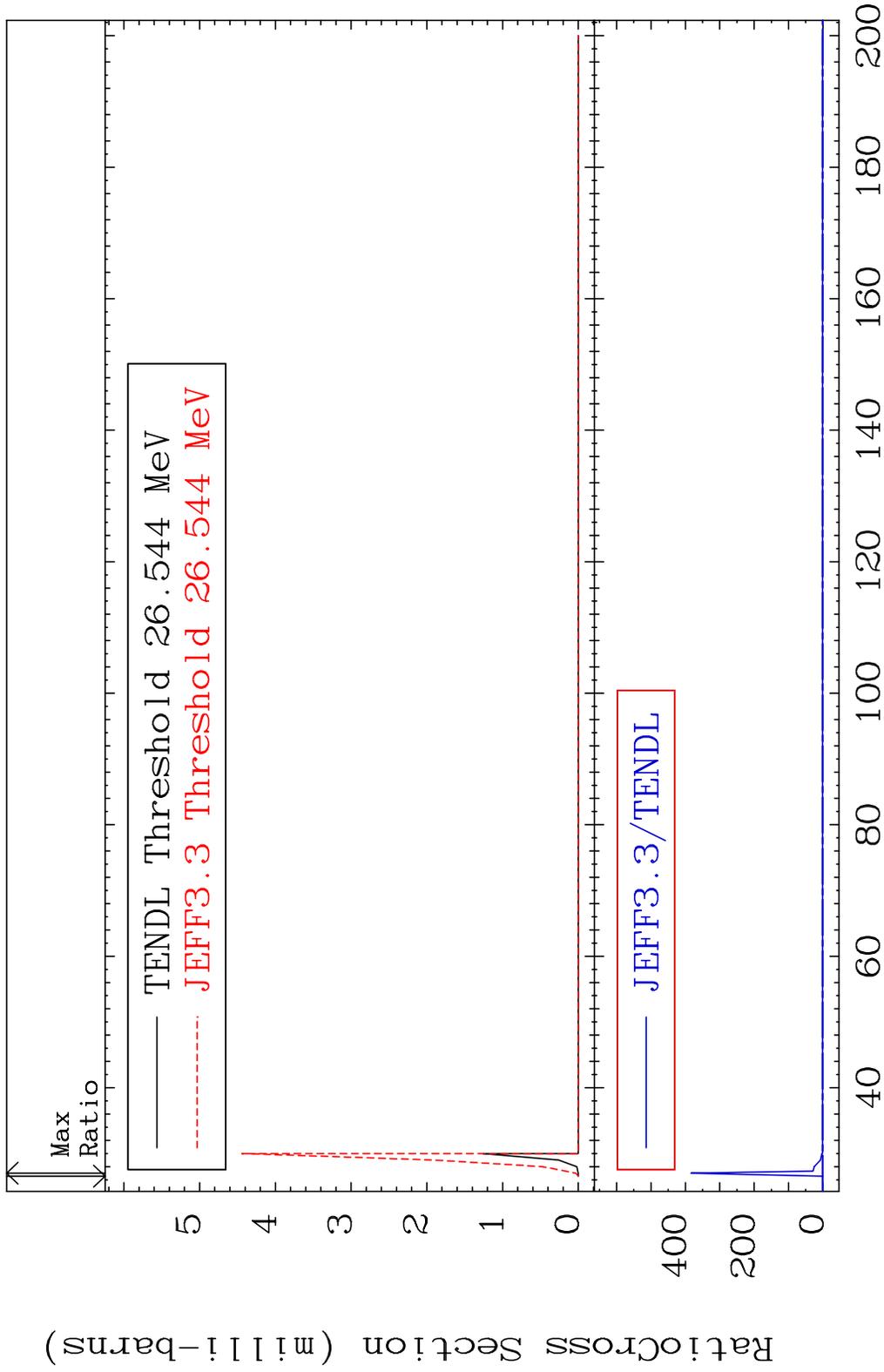
81 Incident Energy (eV) 32-Ge-76



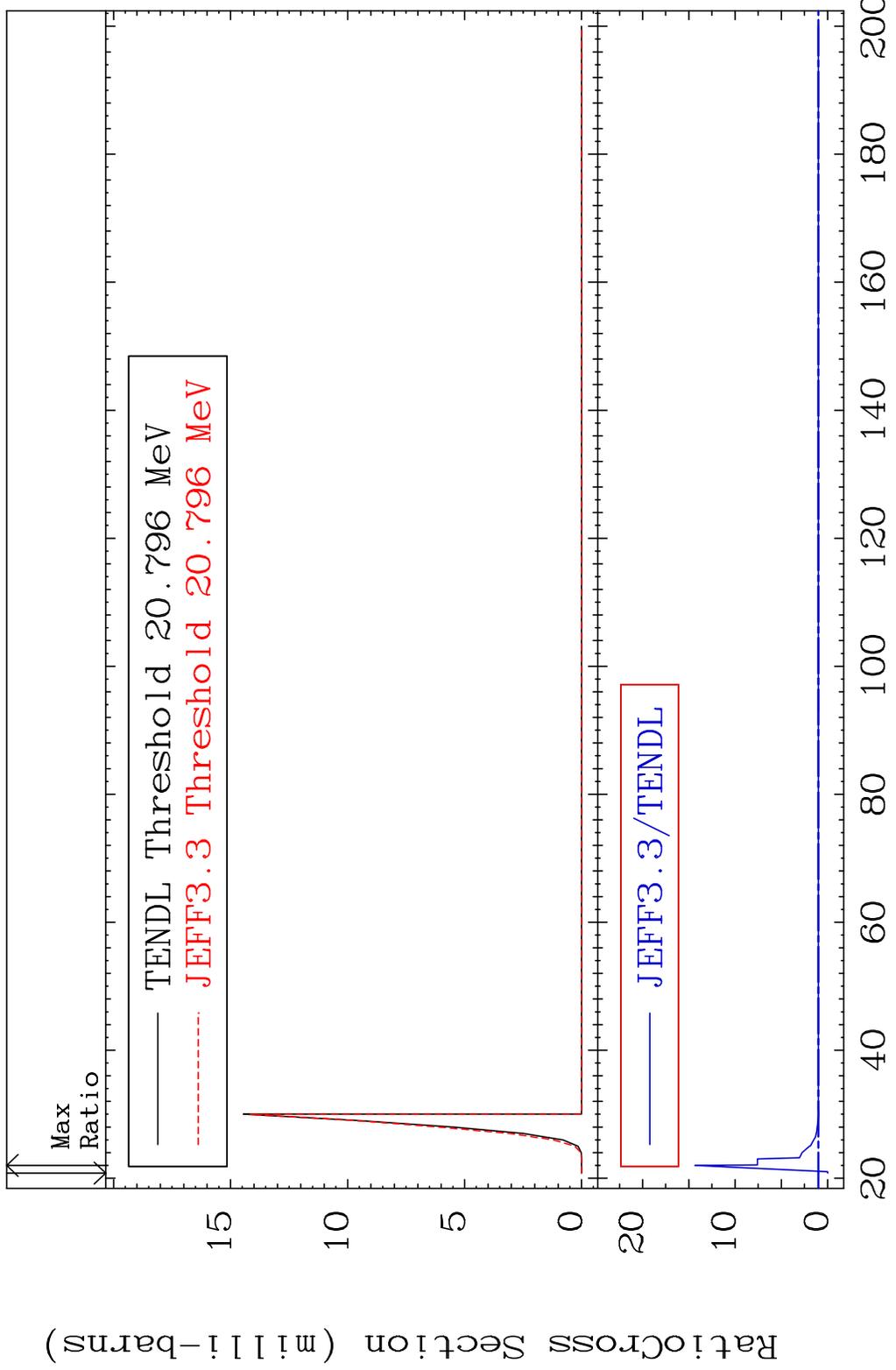
MAT 3243 (n,4n):32-Ge-73g 32-Ge-76  
 Radionuclide Production Cross Section 180000 dtd 9999. %



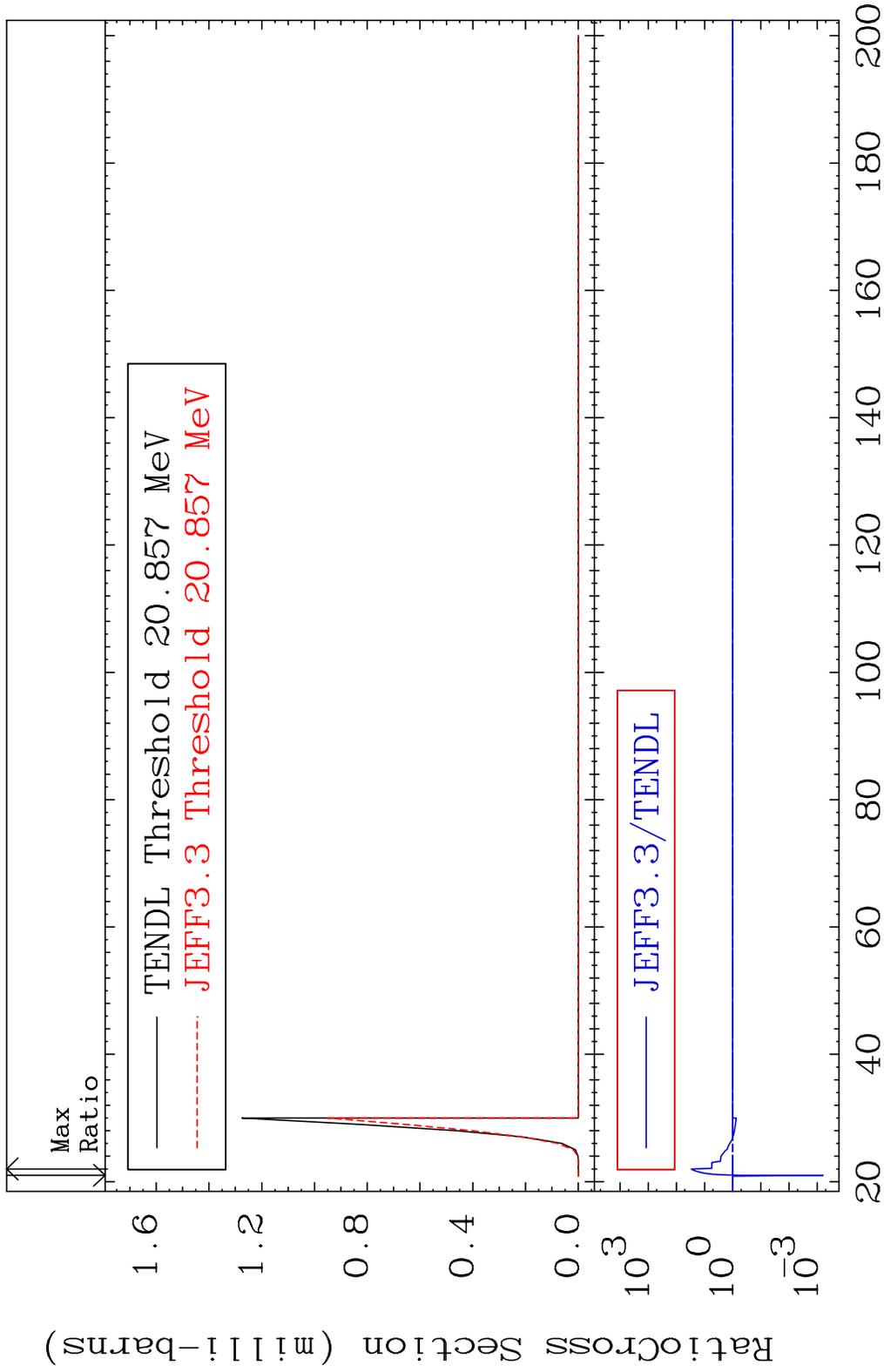
MAT 3243 (n, 4n) : 32-Ge-73m2 32-Ge-76  
Radionuclide Production Cross Section 10000 dth 9999. %



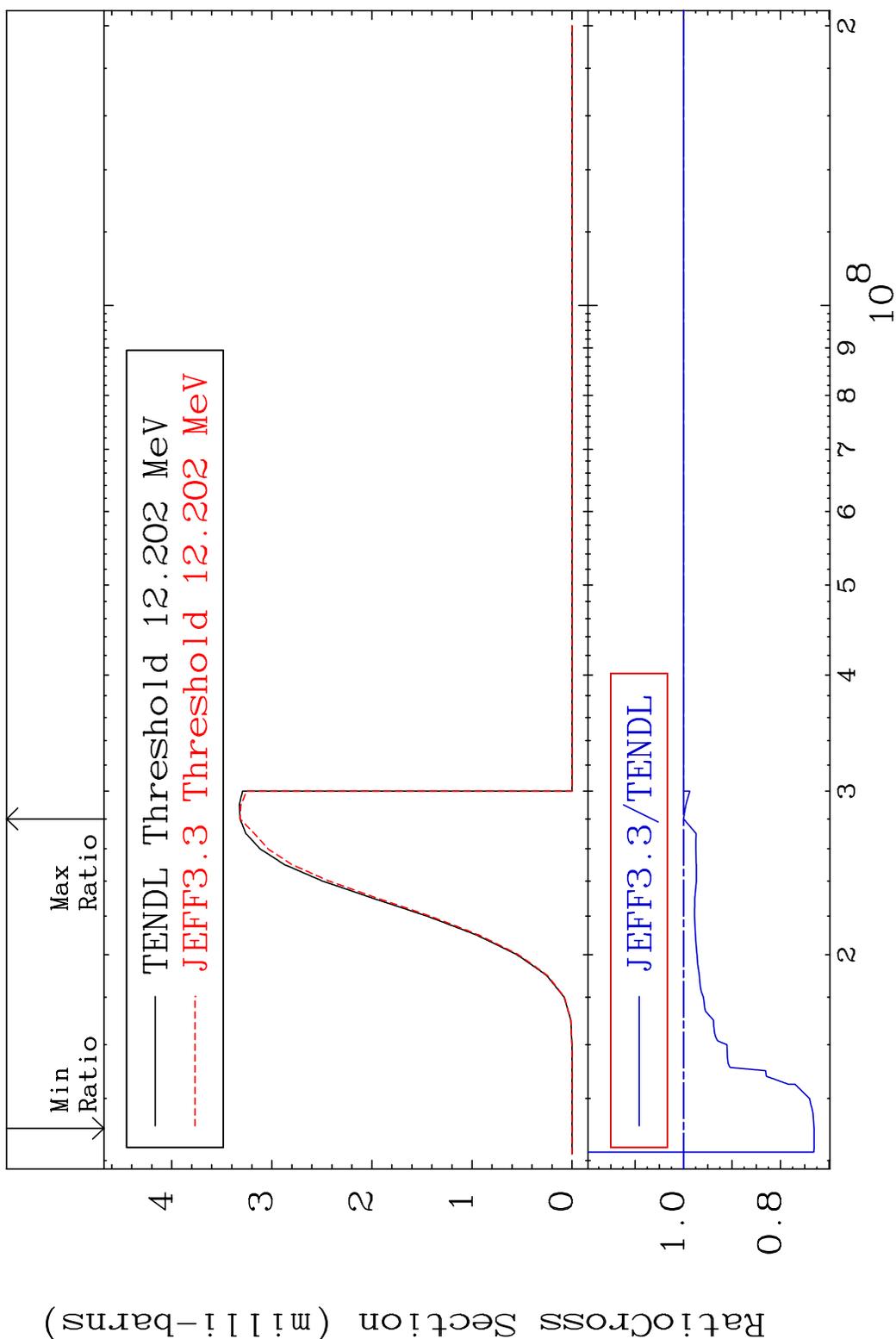
MAT 3243 (n,2n) p:31-Ga-74g 32-Ge-76  
 Radionuclide Production Cross Section 18000 dth 1335. %



85 Incident Energy (MeV) 32-Ge-76



MAT 3243 (n, t): 31-Ga-74g 32-Ge-76  
 Radionuclide Production Cross Section 0.004 %



MAT 3243 (n,t):31-Ga-74m2 32-Ge-76  
 Radionuclide Production Cross Section 23.07 %

