

Program Complot
(Version 2018-1)

by

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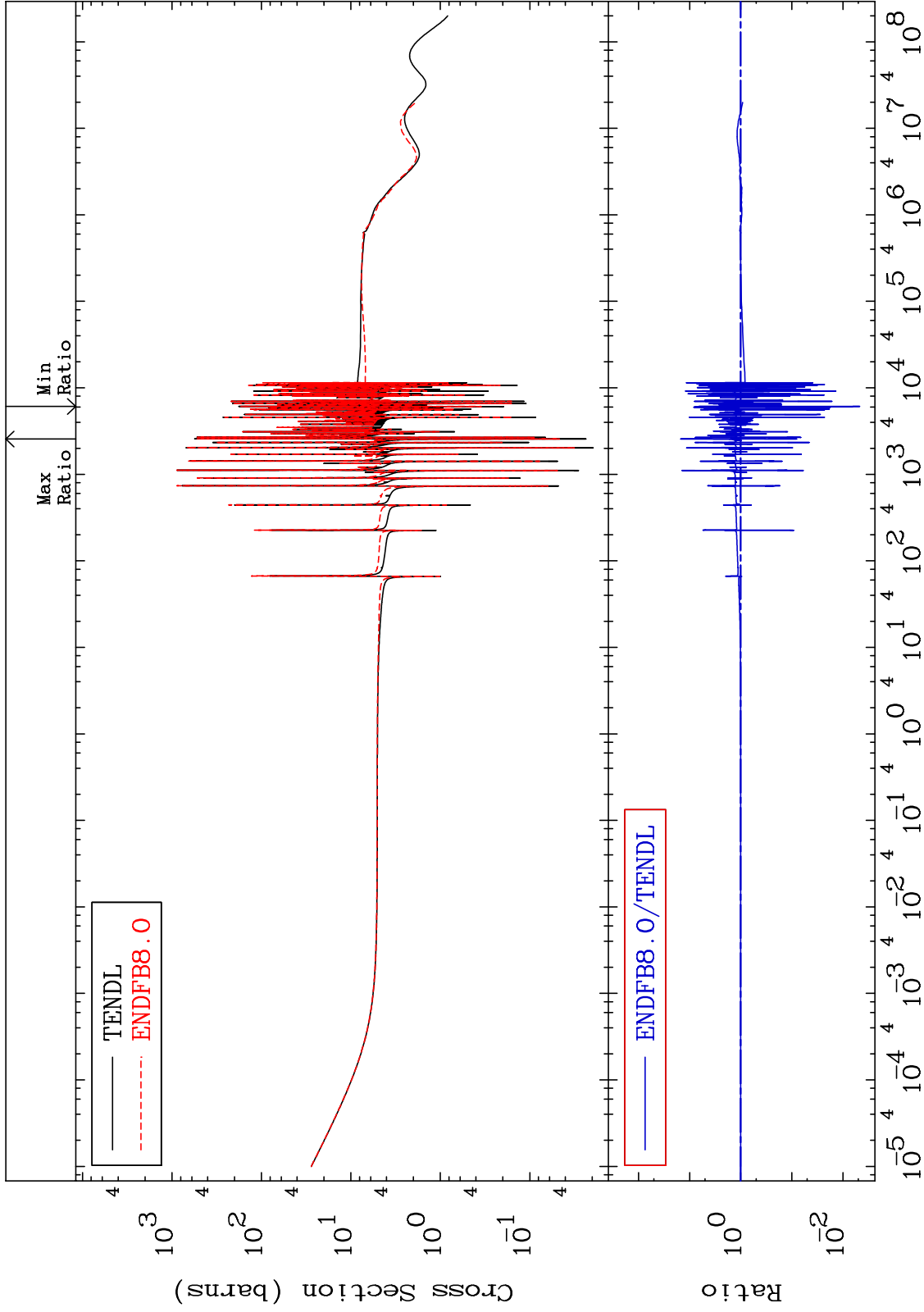
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4843

Elastic
Cross Section

48-Cd-112
-99.53 To 1387. %

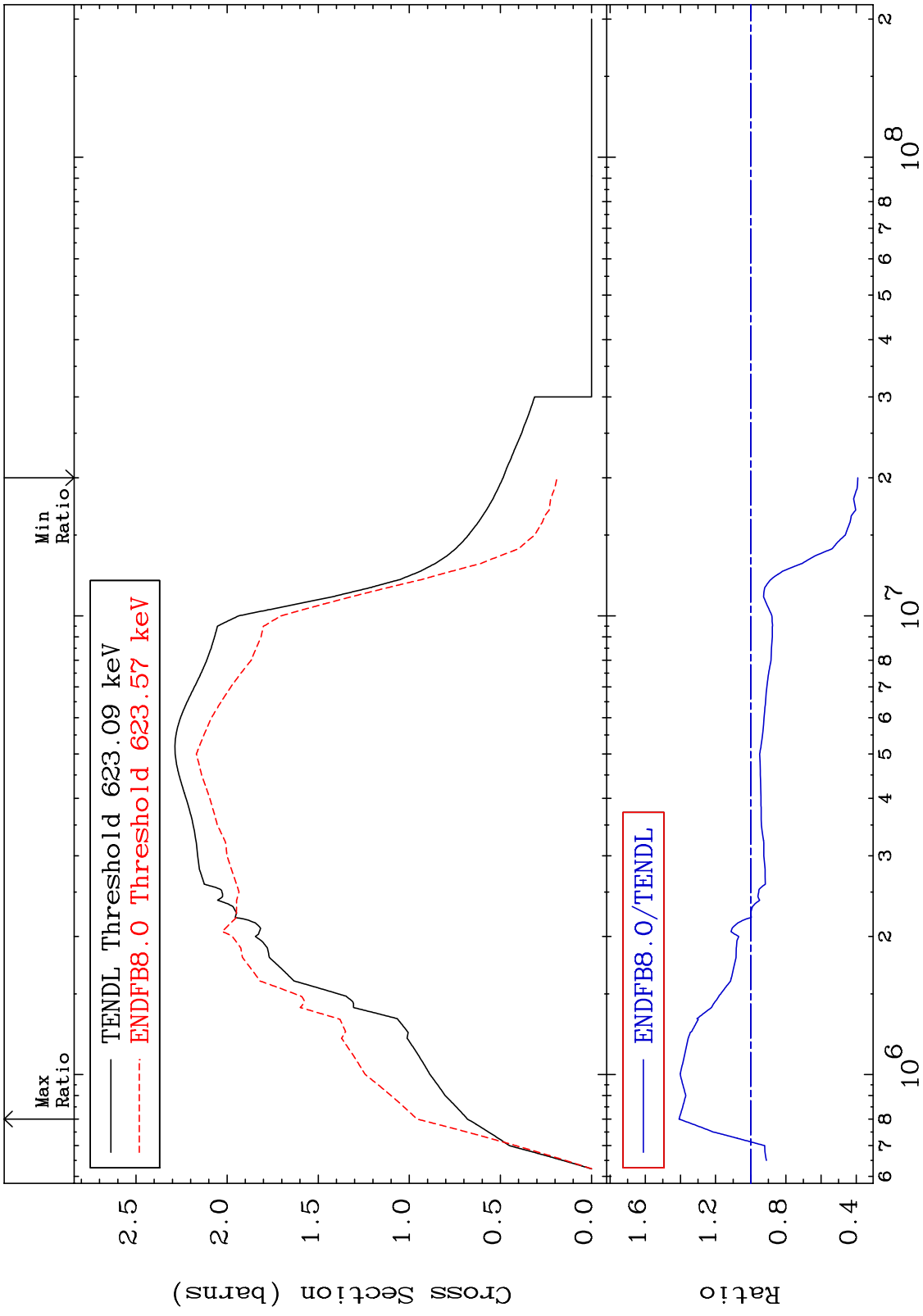


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Incident Energy (eV)

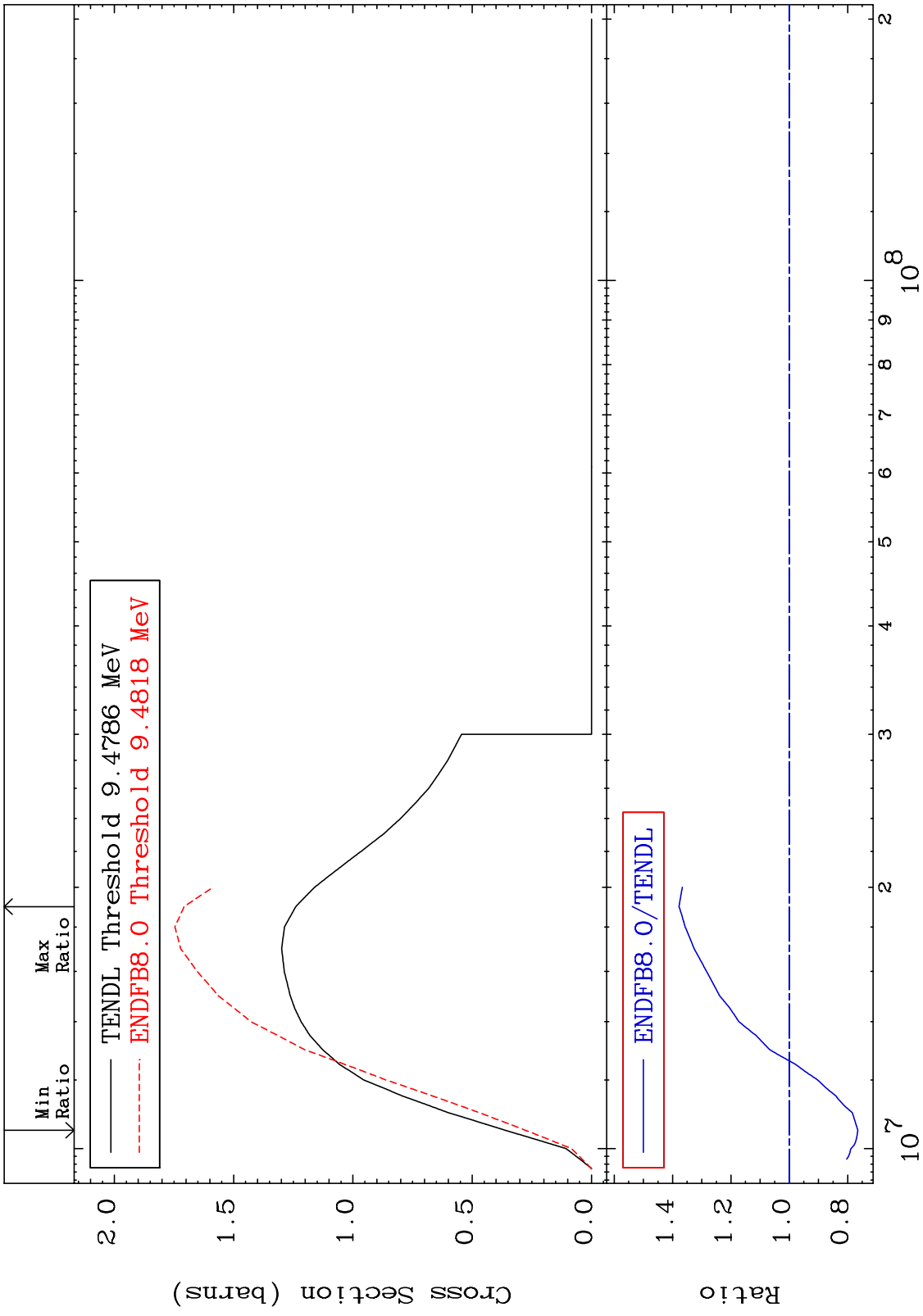
48-Cd-112

MAT 4843 Inelastic Cross Section 48-Cd-112 -60.93 To 40.77 %



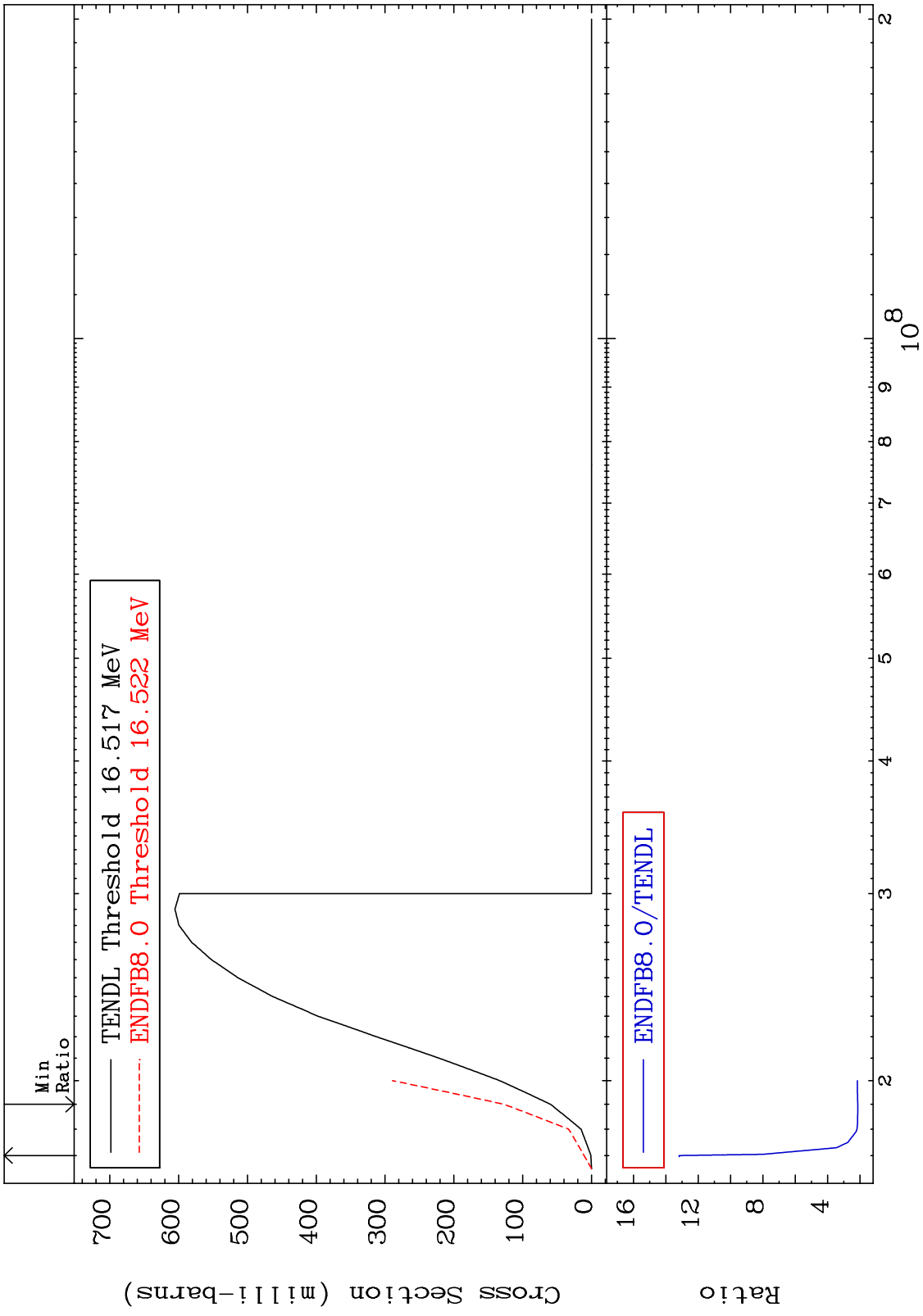
3 48-Cd-112

MAT 4843 (n,2n) Cross Section 48-Cd-112 -23.50 To 37.77 %

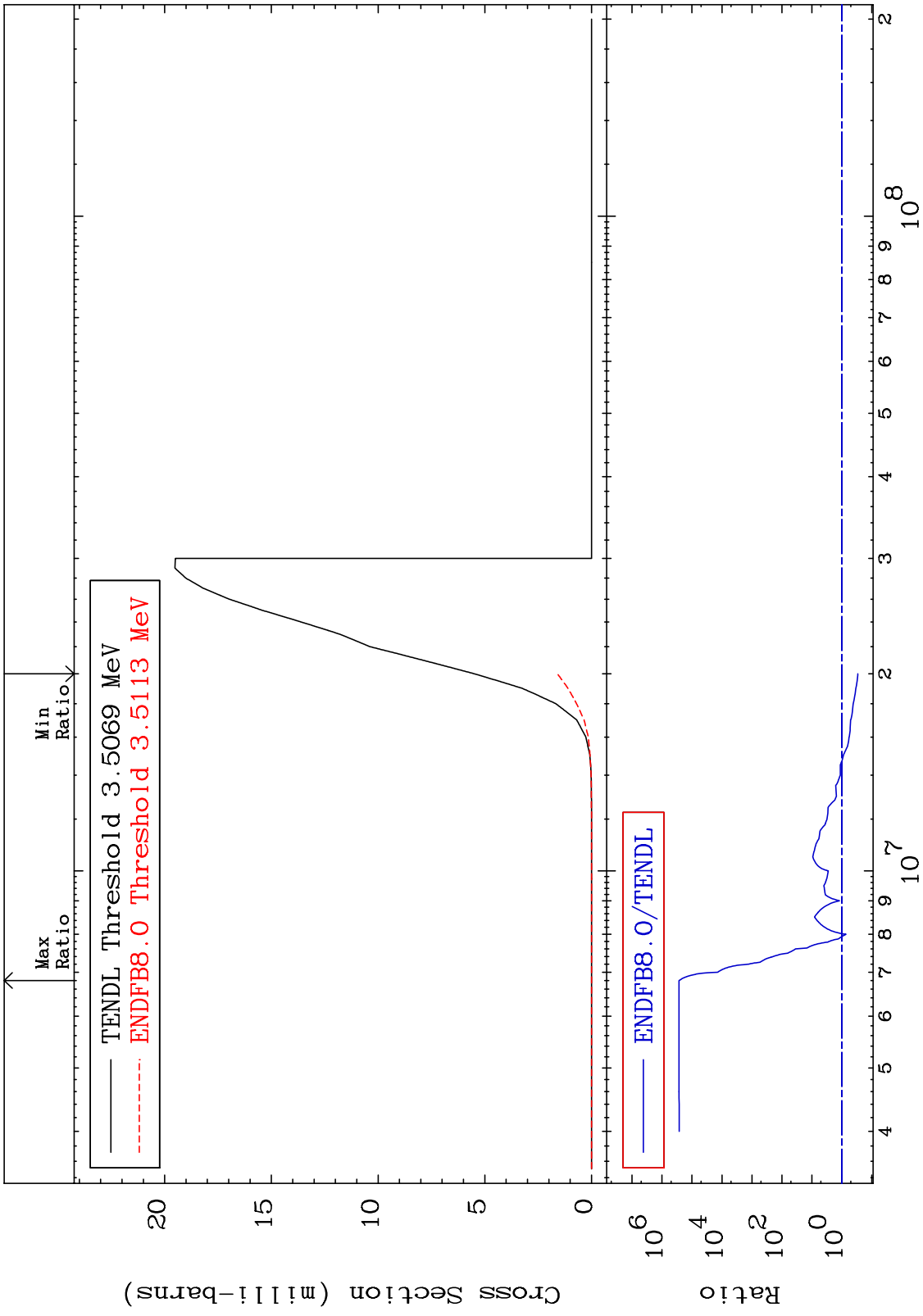


48-Cd-112

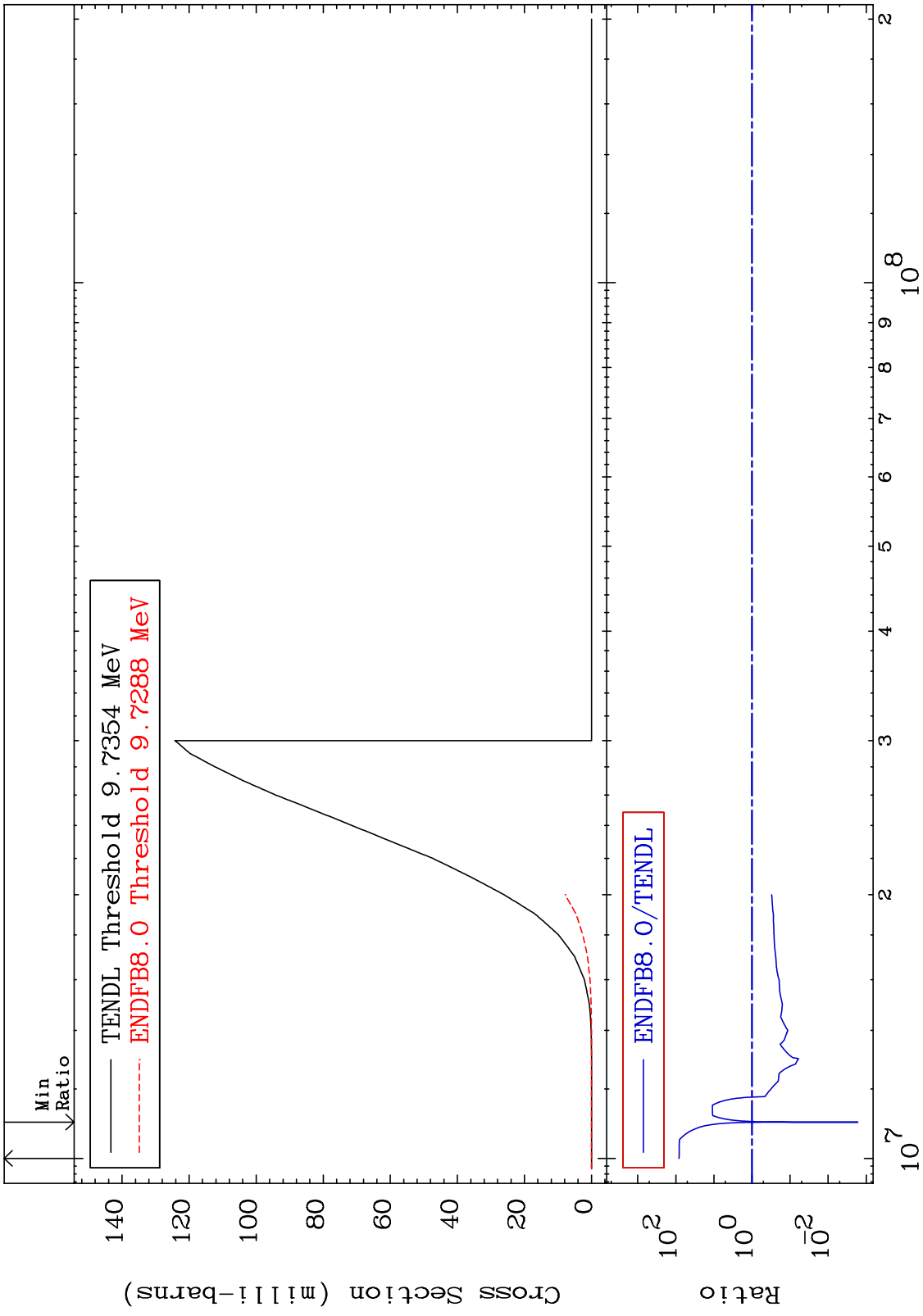
MAT 4843 (n,3n) Cross Section 48-Cd-112 To 1218. %
113.1



MAT 4843 $(n, n') \alpha$ 48-Cd-112
 Cross Section -70.88 To 9999. %

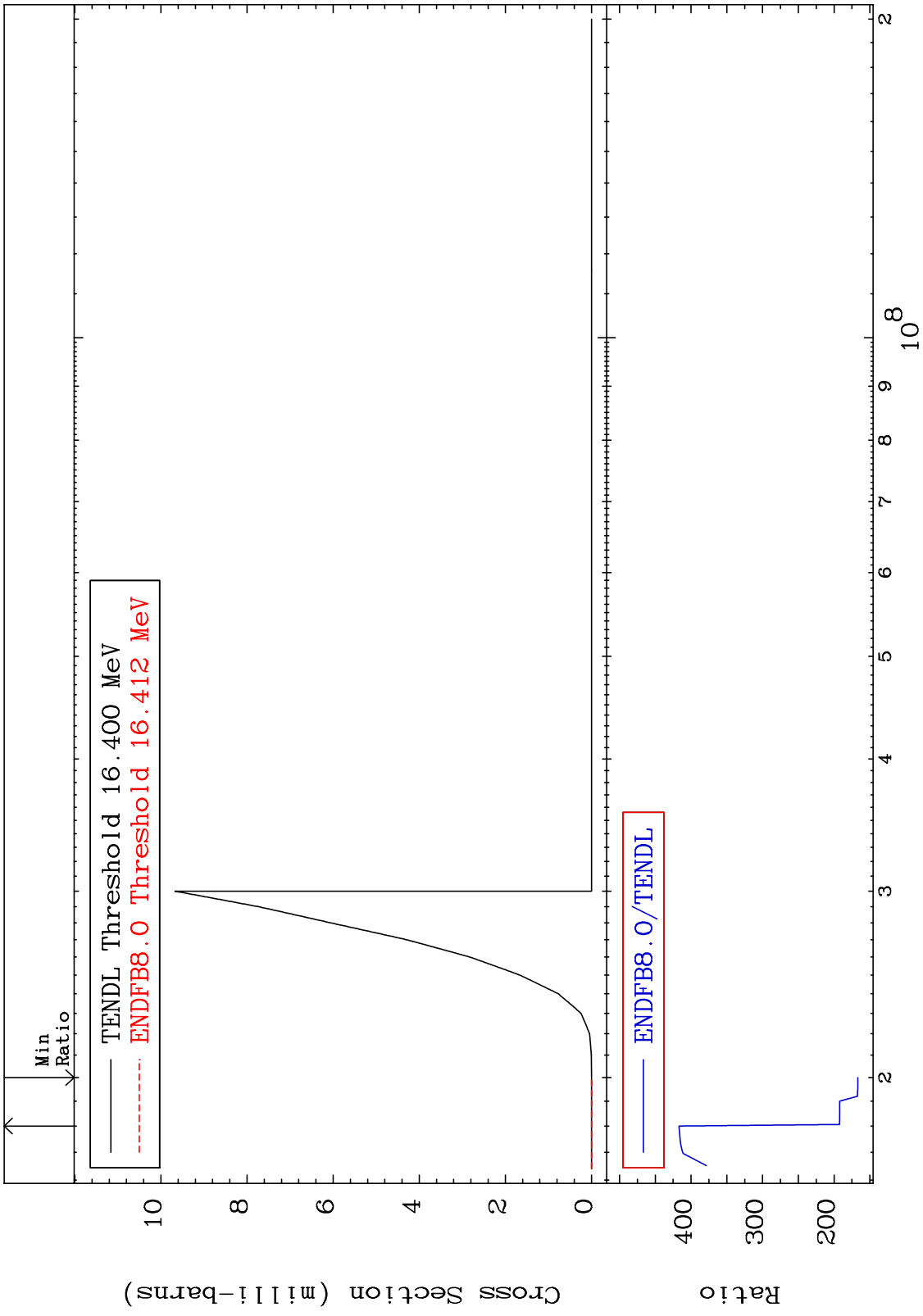


MAT 4843 (n,n') p 48-Cd-112
Cross Section -99.83 To 8124. %

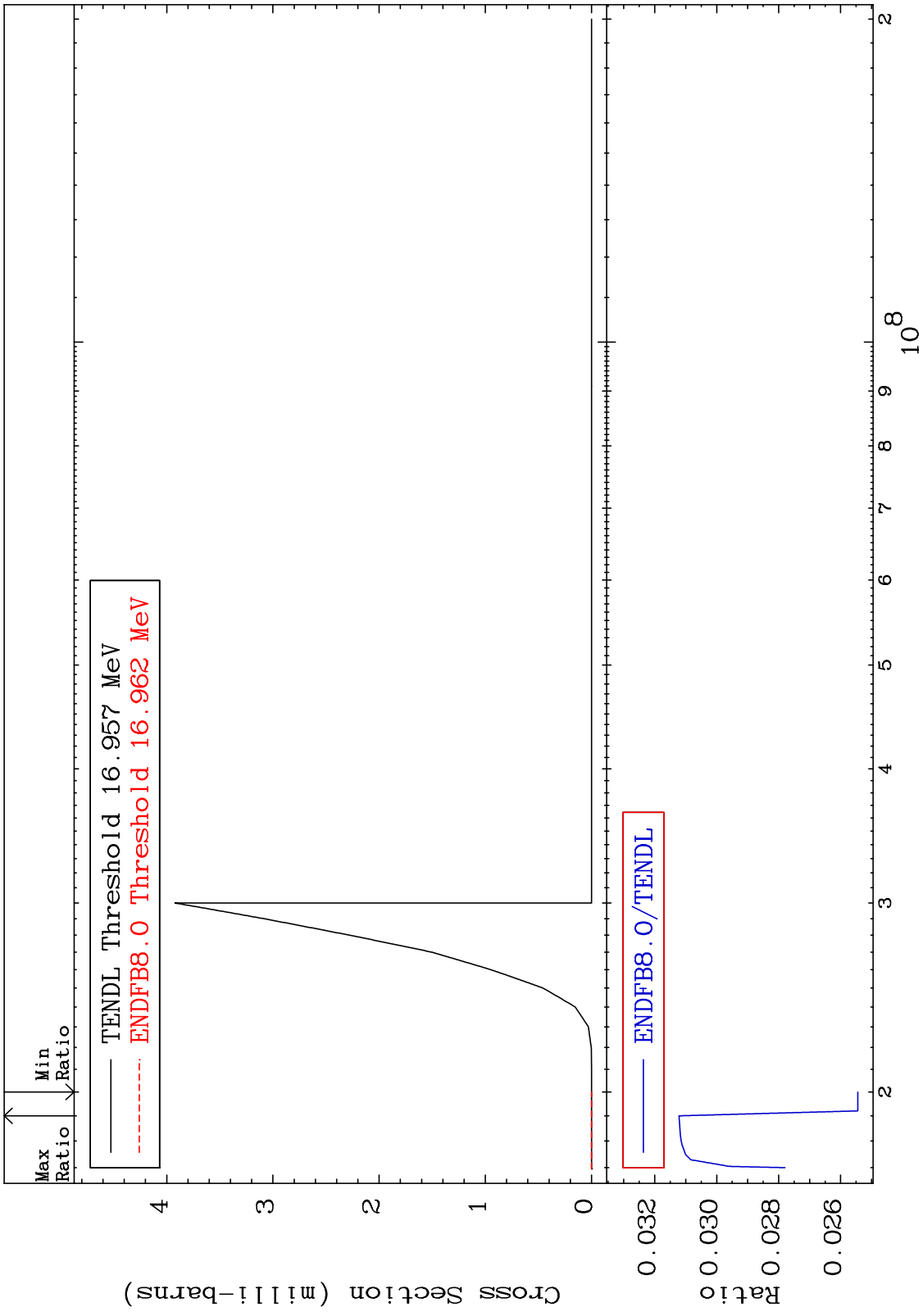


Incident Energy (eV) 48-Cd-112

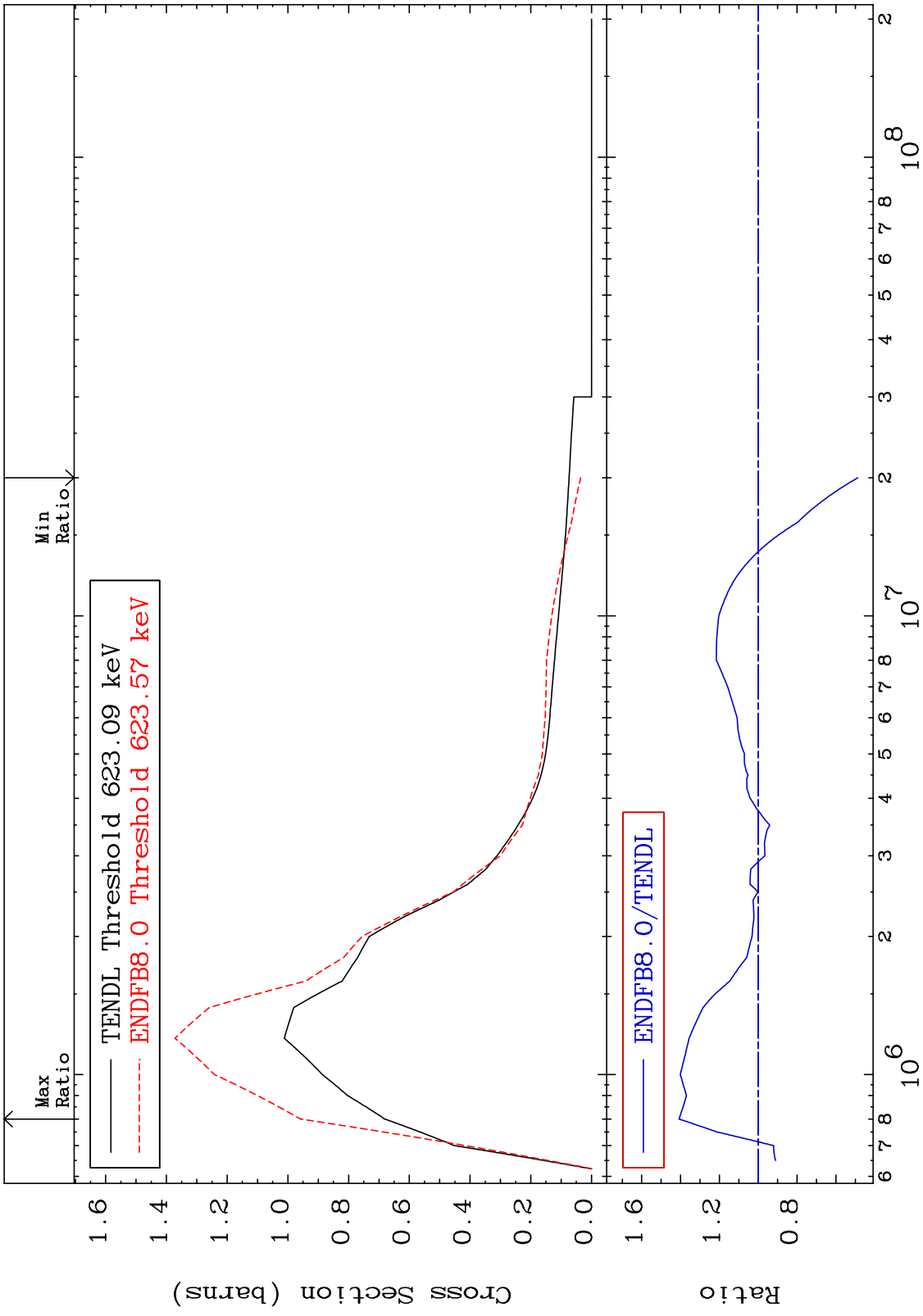
MAT 4843 (n,n') d 48-Cd-112
 Cross Section -99.98 To -99.96%



MAT 4843 (n,n') t 48-Cd-112
 Cross Section -97.46 To -96.88%

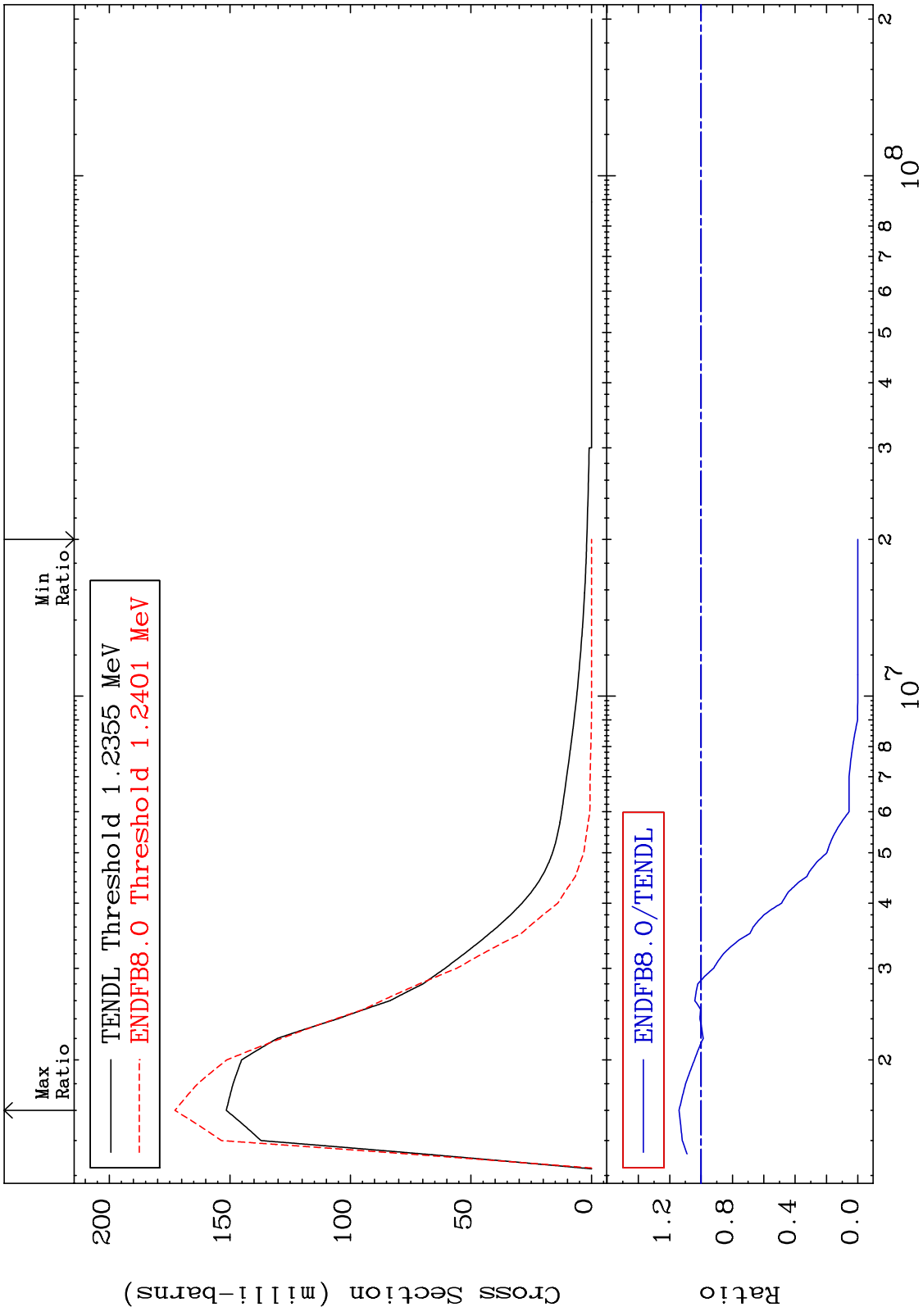


MAT 4843 MT= 51 (n,n') Level Cross Section 48-Cd-112 -51.29 To 40.77 %

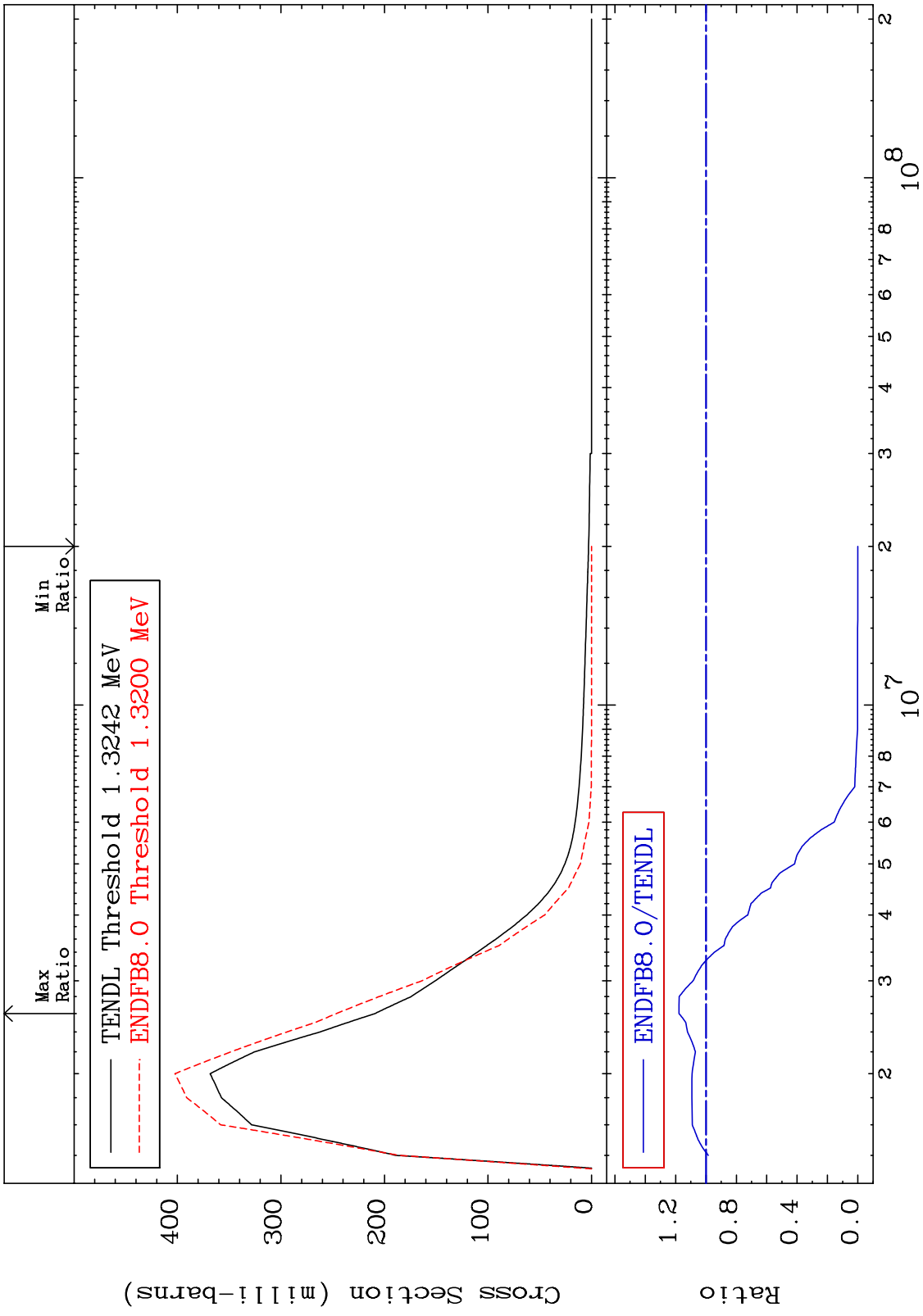


10 Incident Energy (eV) 48-Cd-112

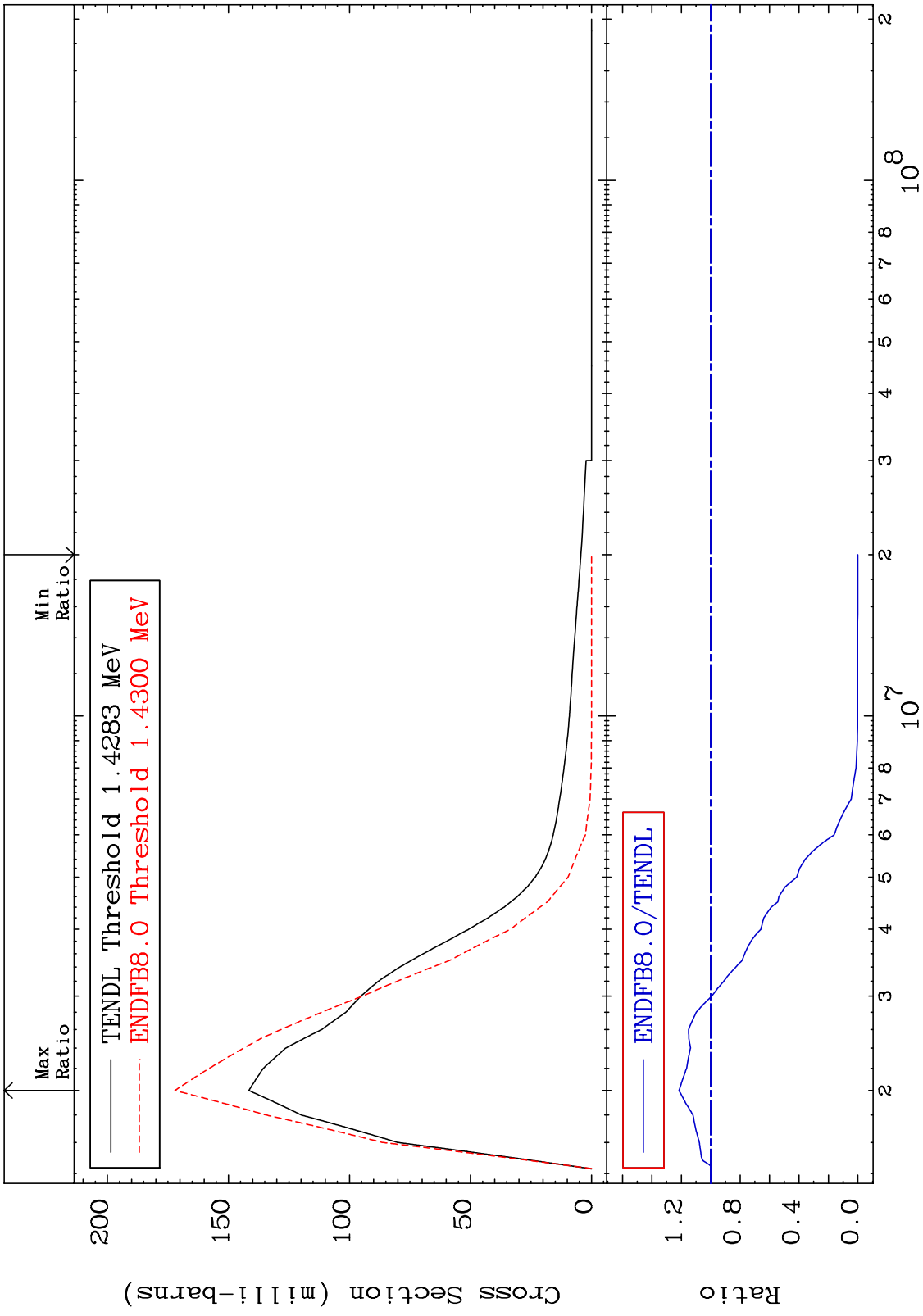
MAT 4843 MT= 52 (n, n') Level Cross Section 48-Cd-112 -100.0 To 14.07 %



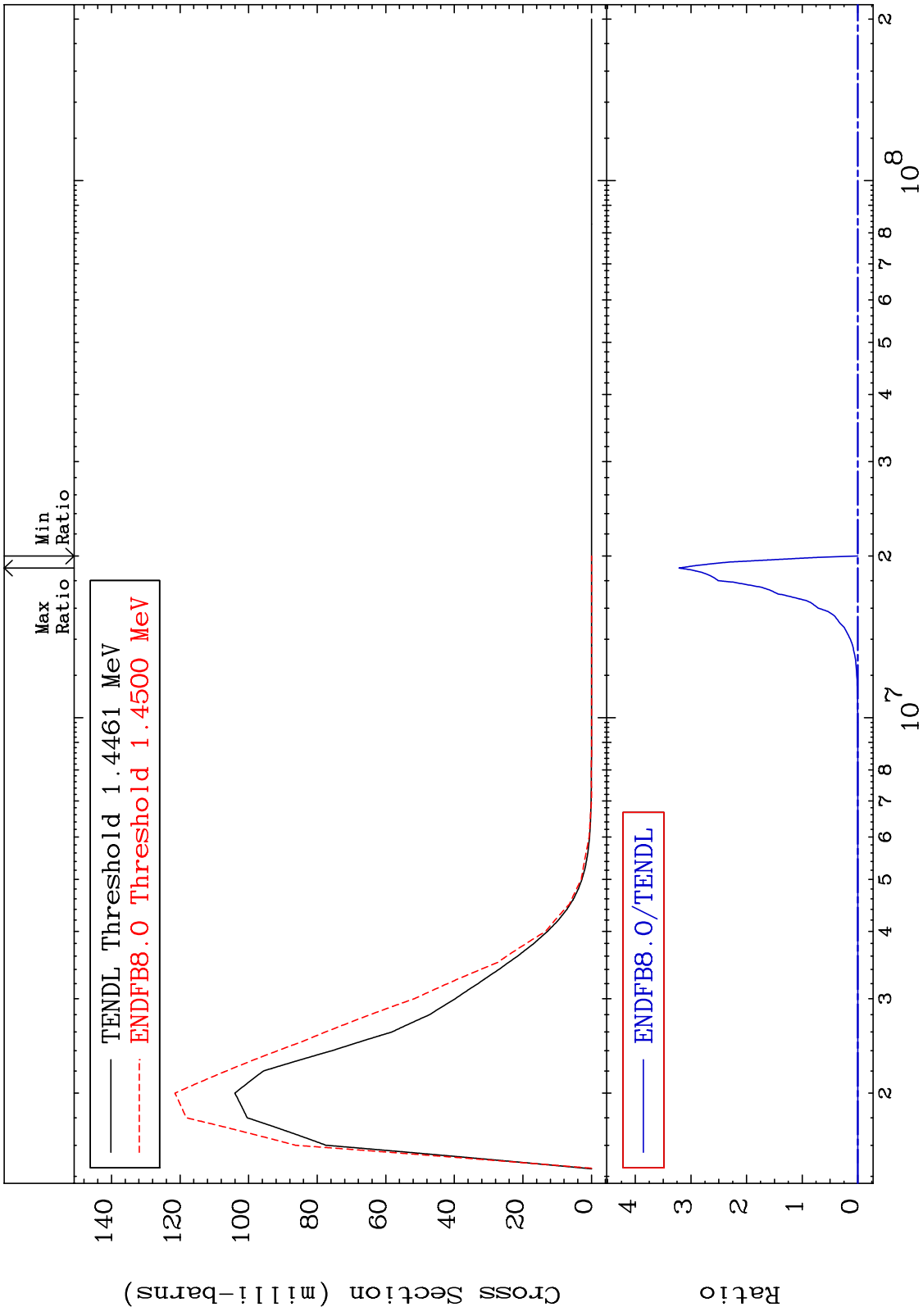
MAT 4843 MT= 53 (n,n') Level Cross Section 48-Cd-112 -100.0 To 17.76 %



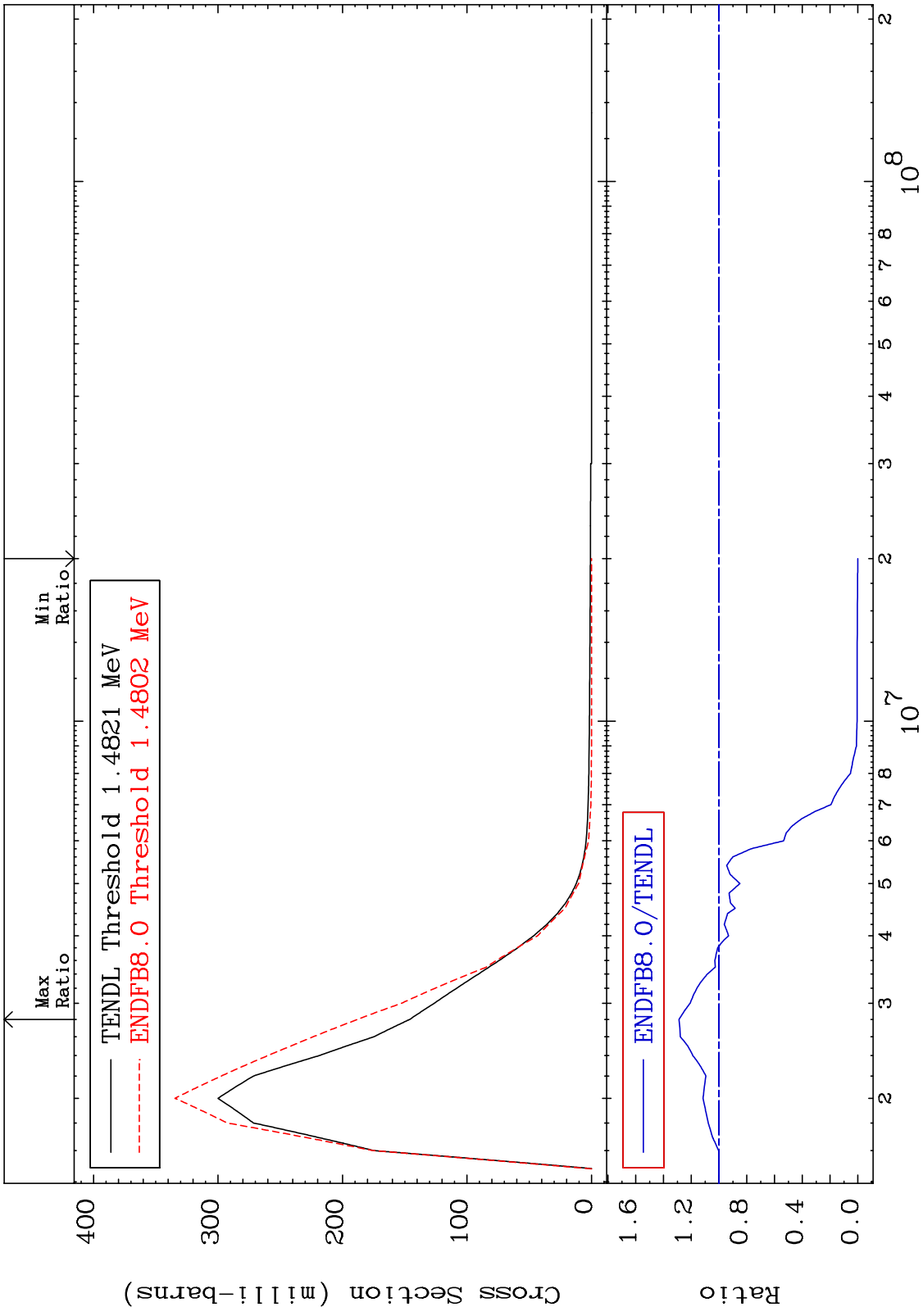
MAT 4843 MT= 54 (n,n') Level Cross Section 48-Cd-112 -100.0 To 21.55 %



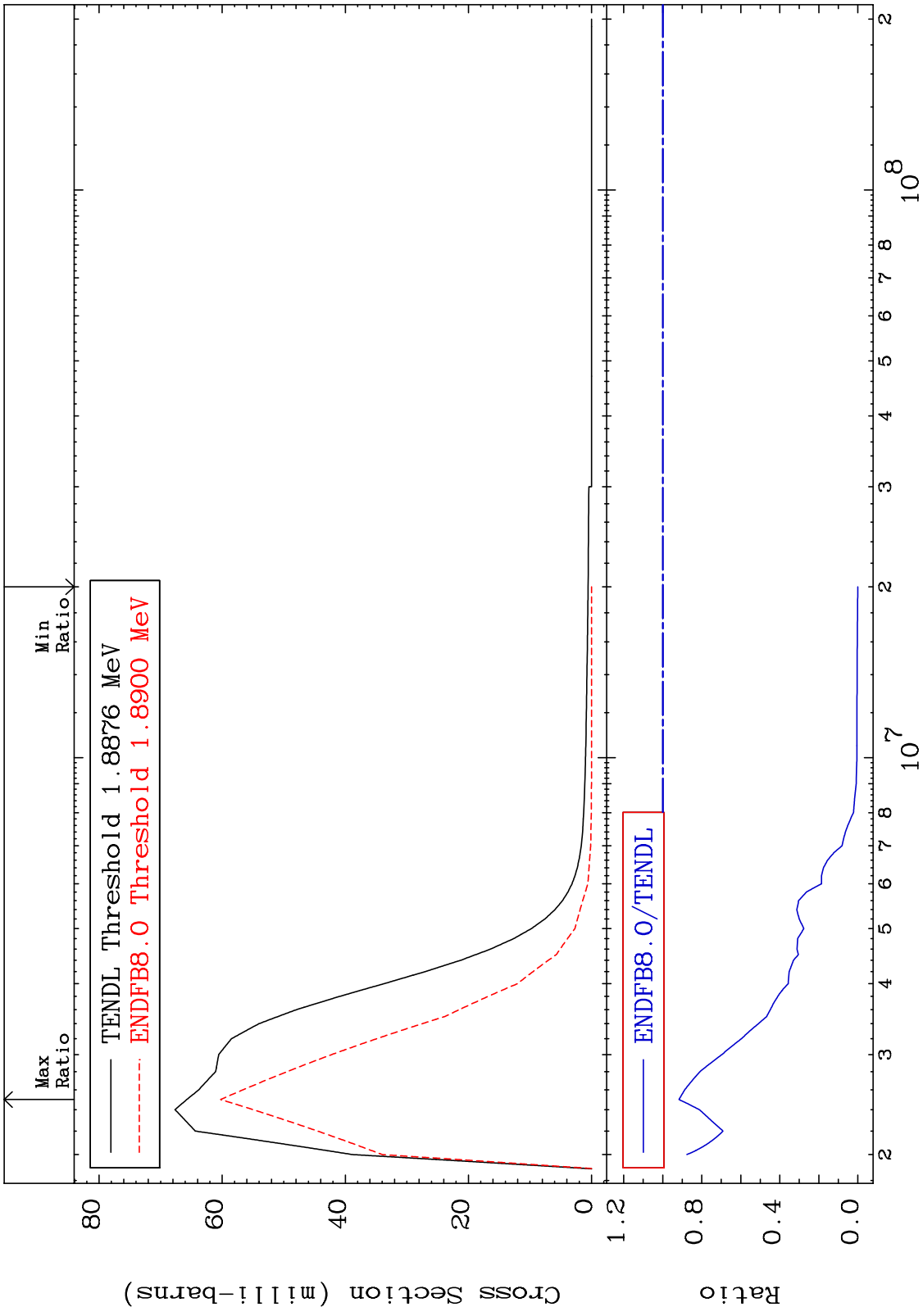
MAT 4843 MT= 55 (n,n') Level Cross Section 48-Cd-112 -100.0 To 9999. %



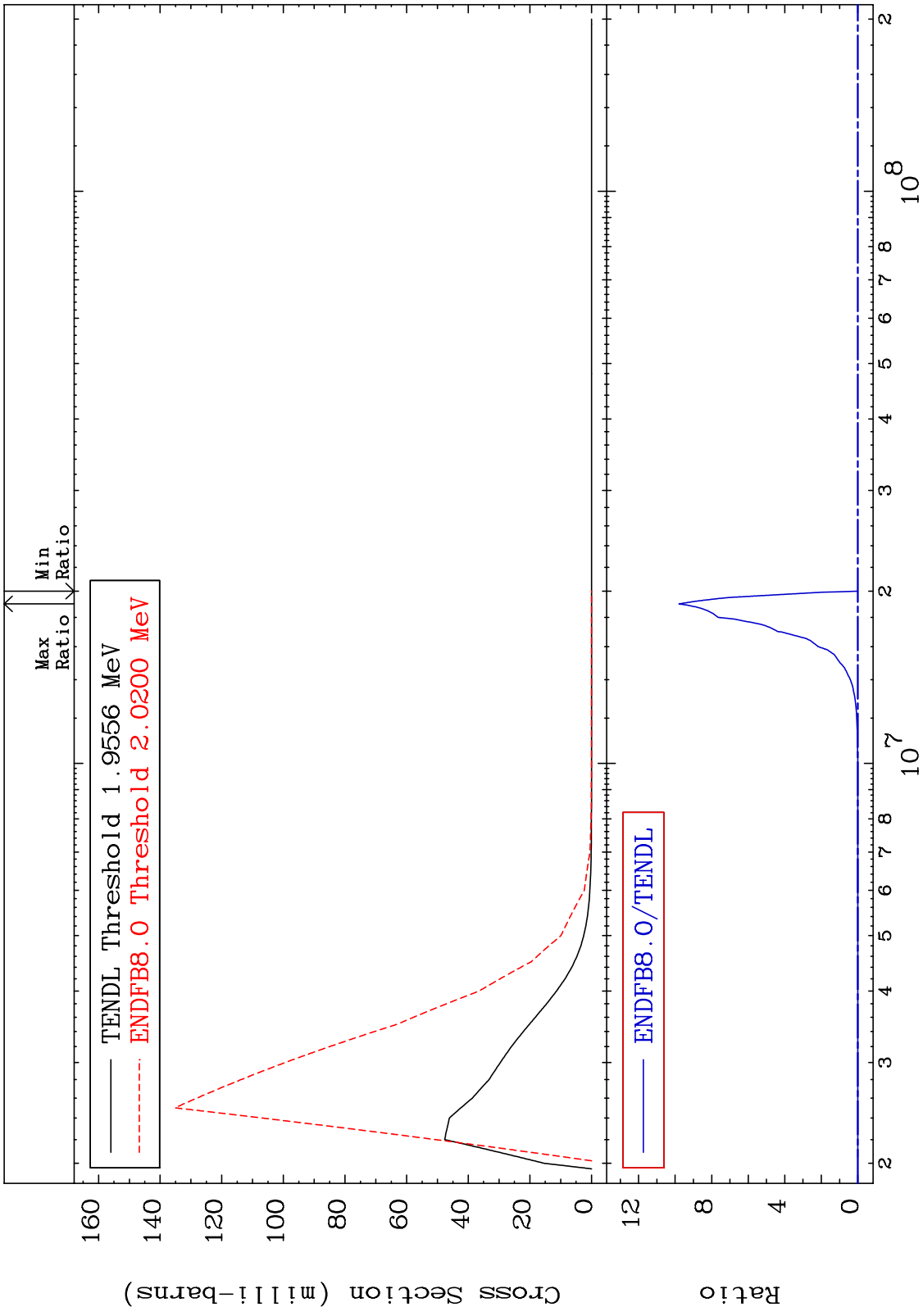
MAT 4843 MT= 56 (n,n') Level Cross Section 48-Cd-112
 -100.0 To 28.81 %



MAT 4843 MT= 57 (n,n') Level Cross Section 48-Cd-112 -100.0 To -8.363%



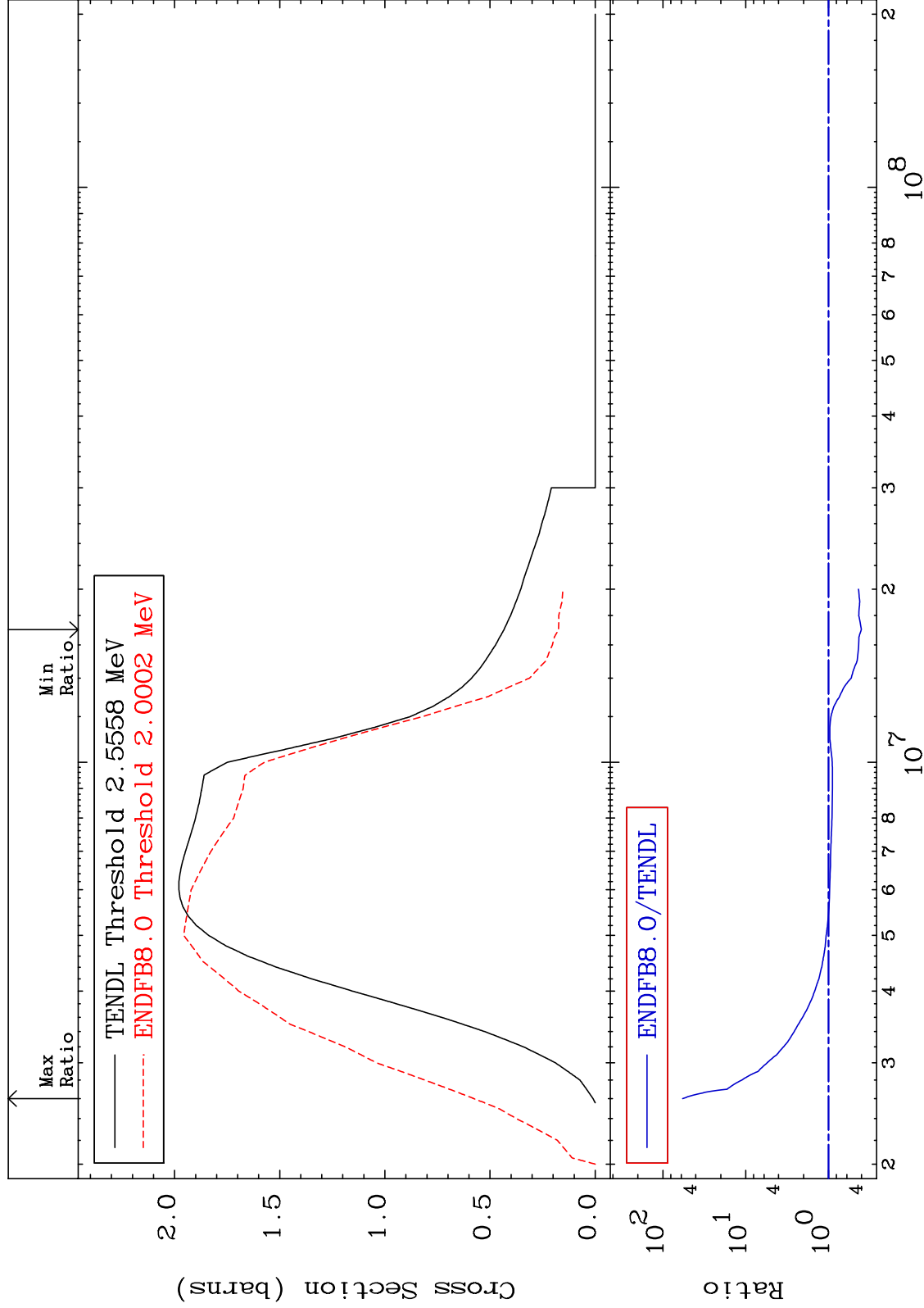
MAT 4843 MT= 58 (n,n') Level Cross Section 48-Cd-112 -100.0 To 9999. %



MAT 4843

(n, n') Continuum
Cross Section

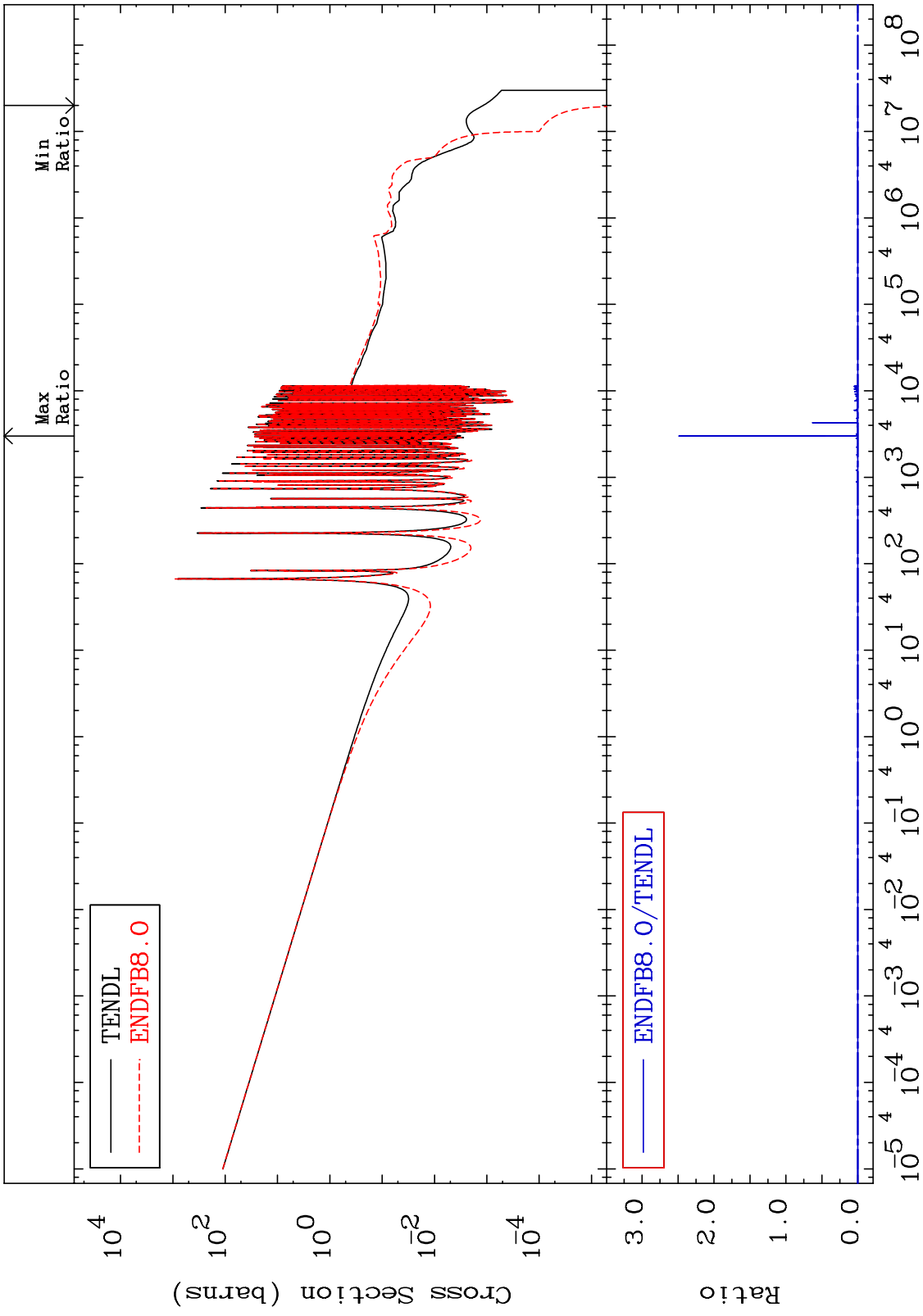
48-Cd-112
-59.91 To 5661. %



18

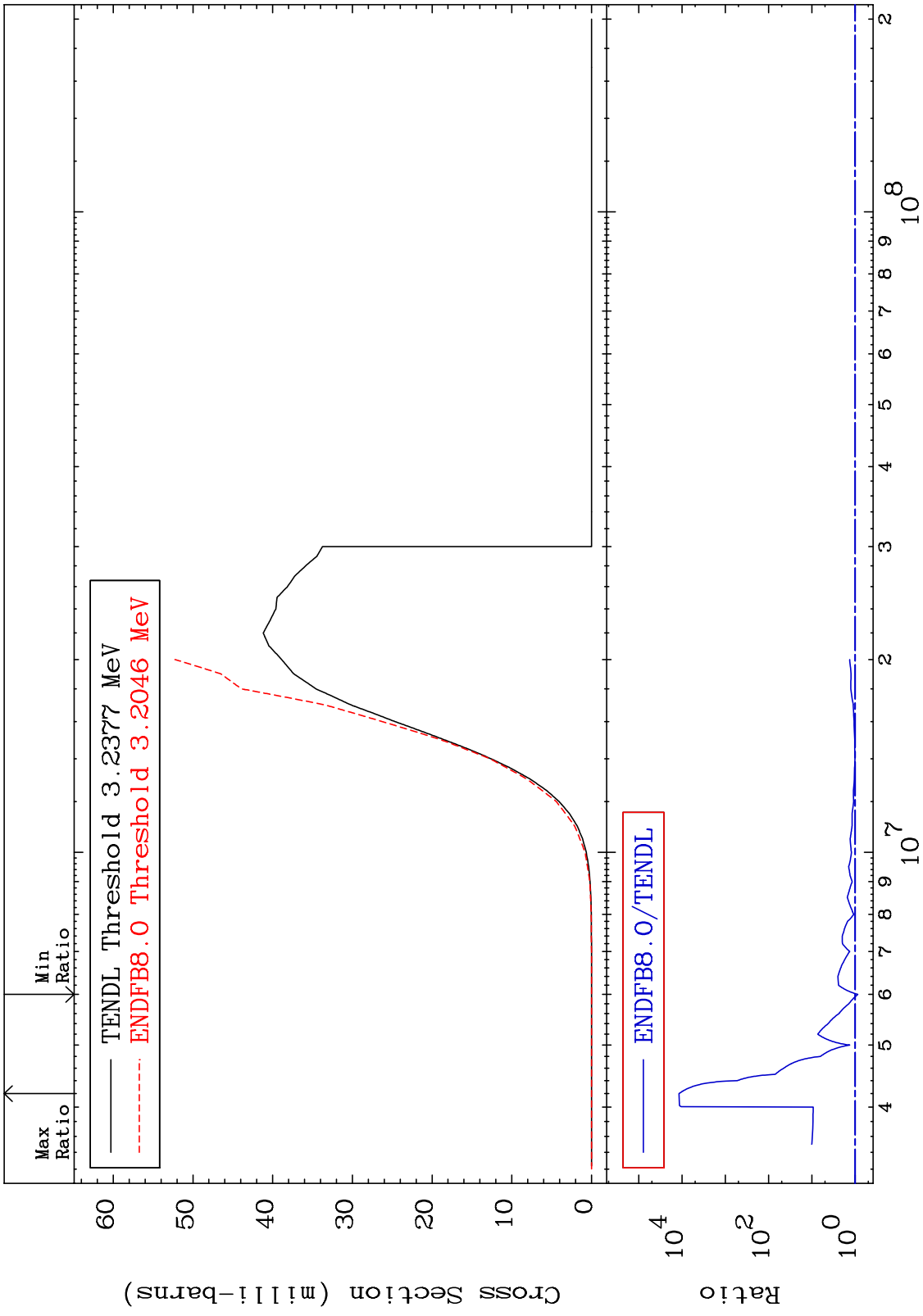
48-Cd-112

MAT 4843 (n,γ) Cross Section 48-Cd-112 -100.0 To 9999. %

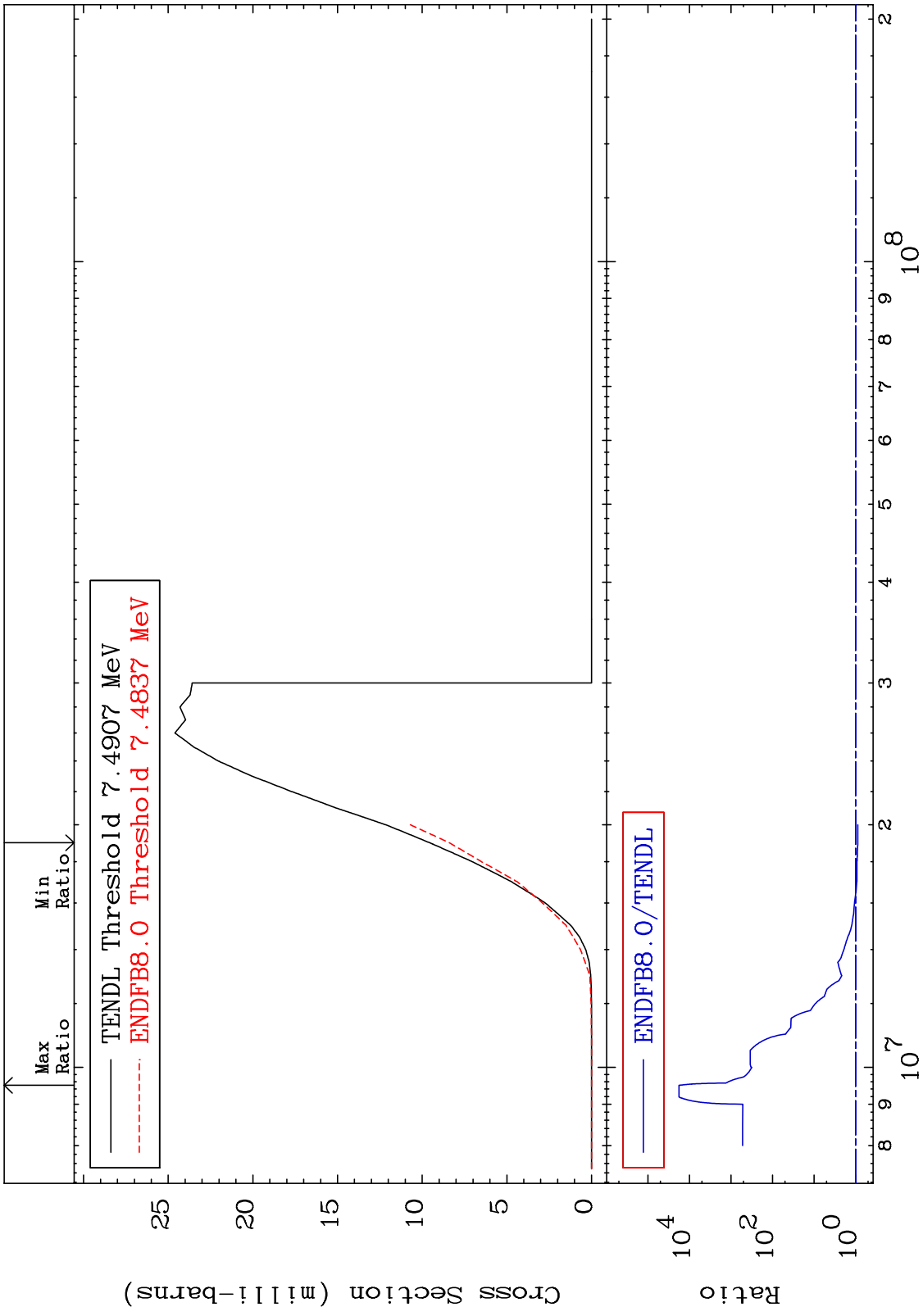


Incident Energy (eV) 48-Cd-112

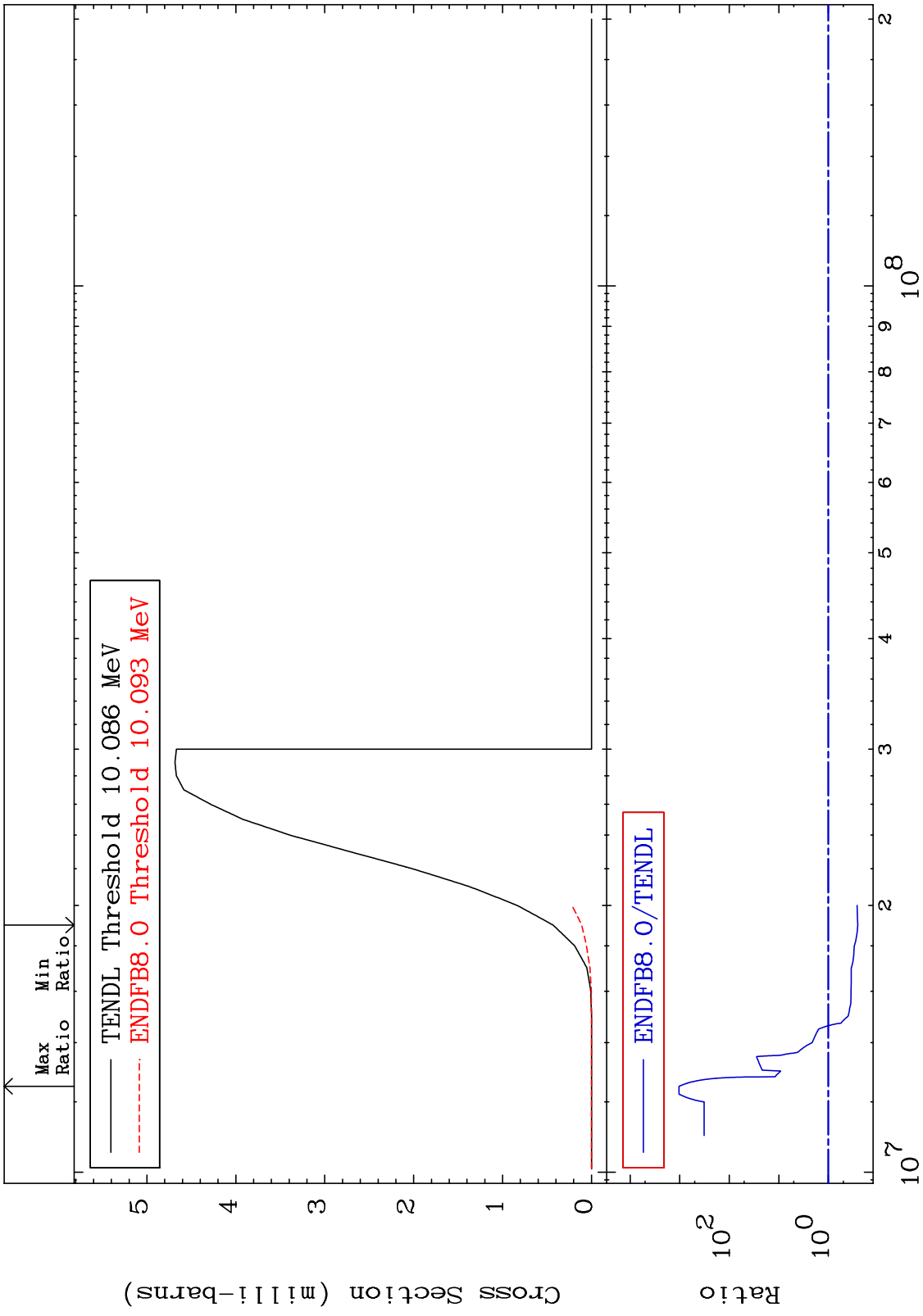
MAT 4843 (n,p) 48-Cd-112
 Cross Section -13.07 To 9999. %



MAT 4843 (n,d) 48-Cd-112
 Cross Section -12.14 To 9999. %

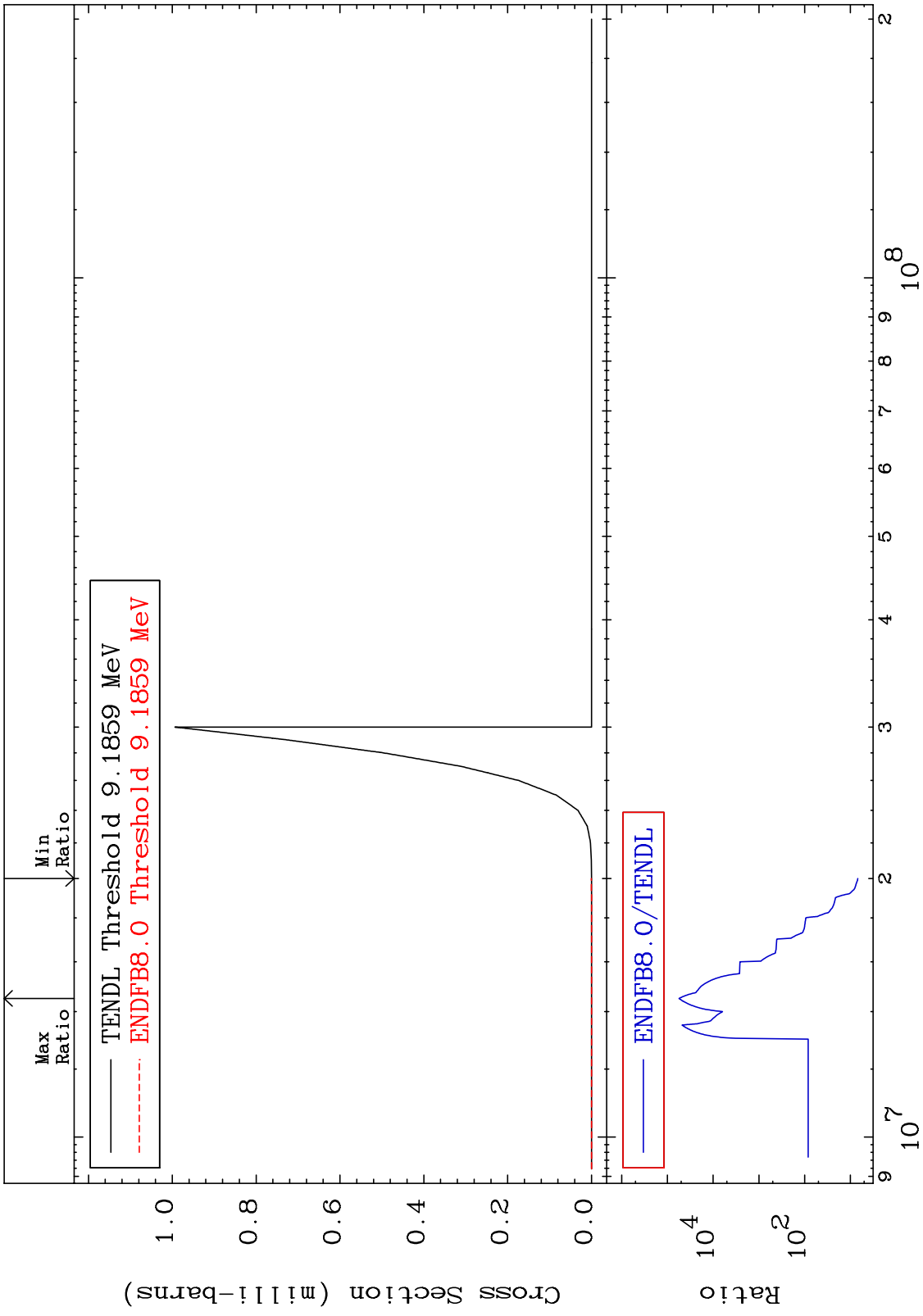


MAT 4843 (n,t) 48-Cd-112
 Cross Section -74.61 To 9999. %



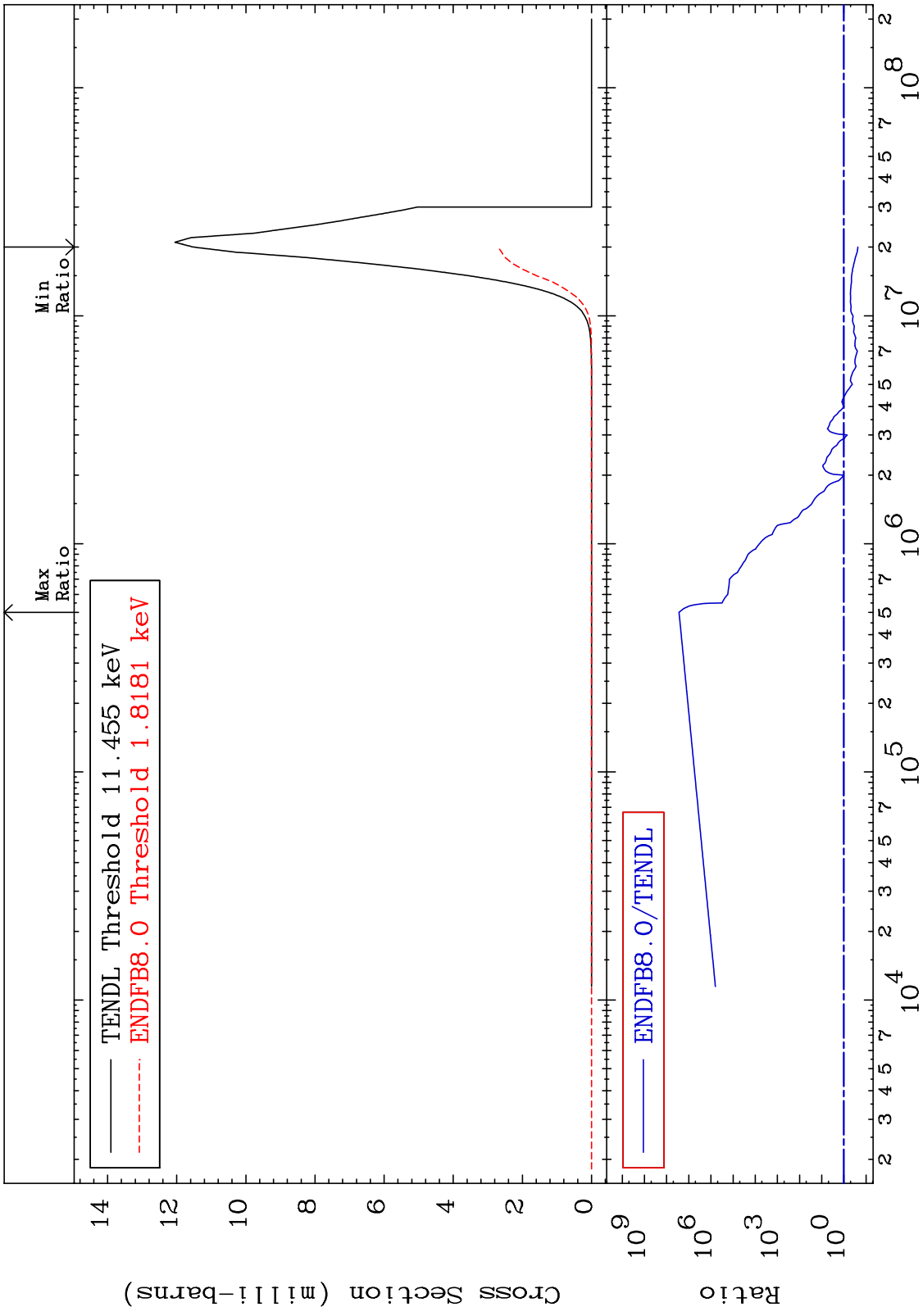
22 48-Cd-112

MAT 4843 (n, He-3) 48-Cd-112
 Cross Section 587.6 To 9999. %



23 Incident Energy (eV) 48-Cd-112

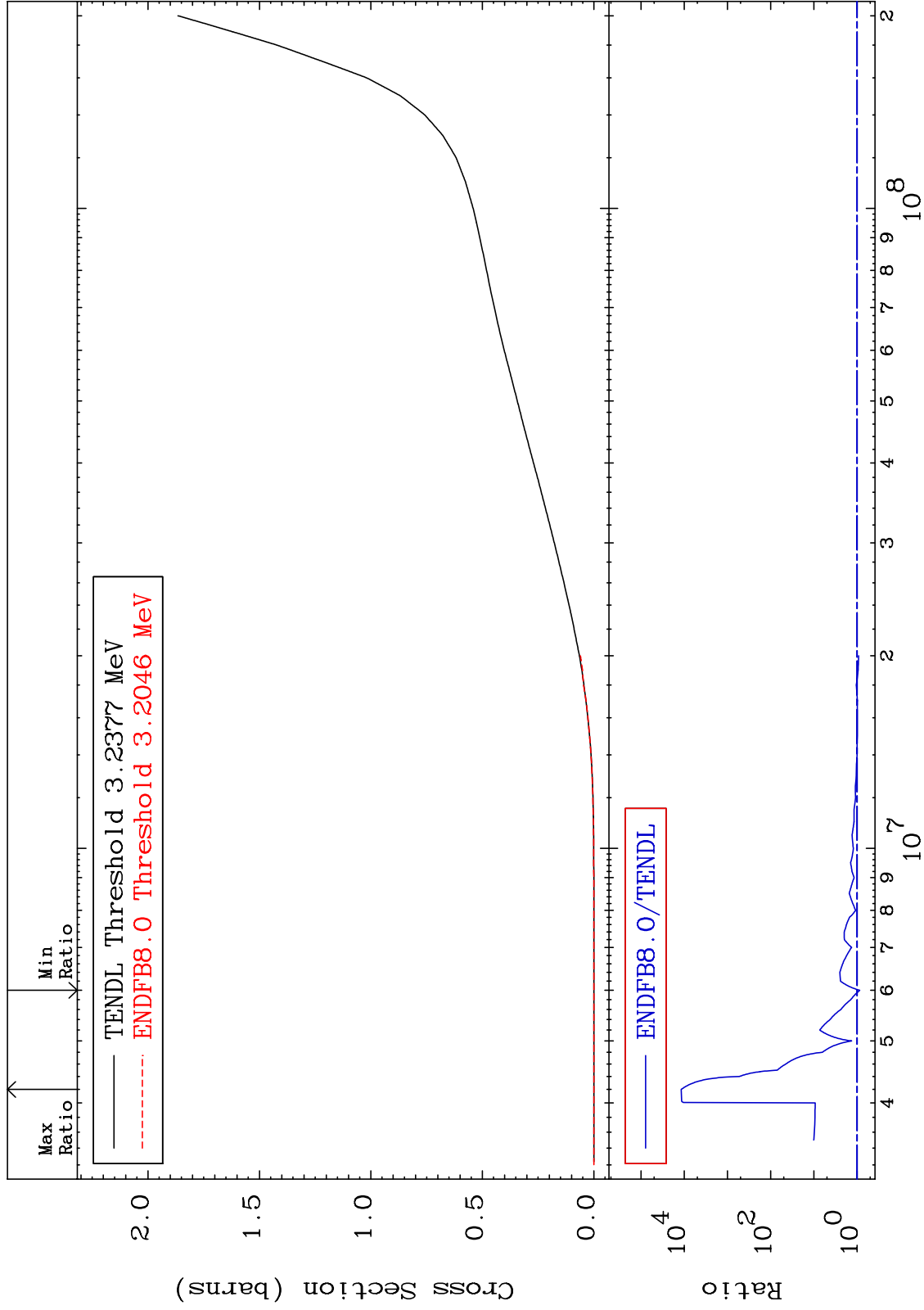
MAT 4843 (n, α) Cross Section 48-Cd-112 -76.56 To 9999. %



MAT 4843

Hydrogen Production
Cross Section

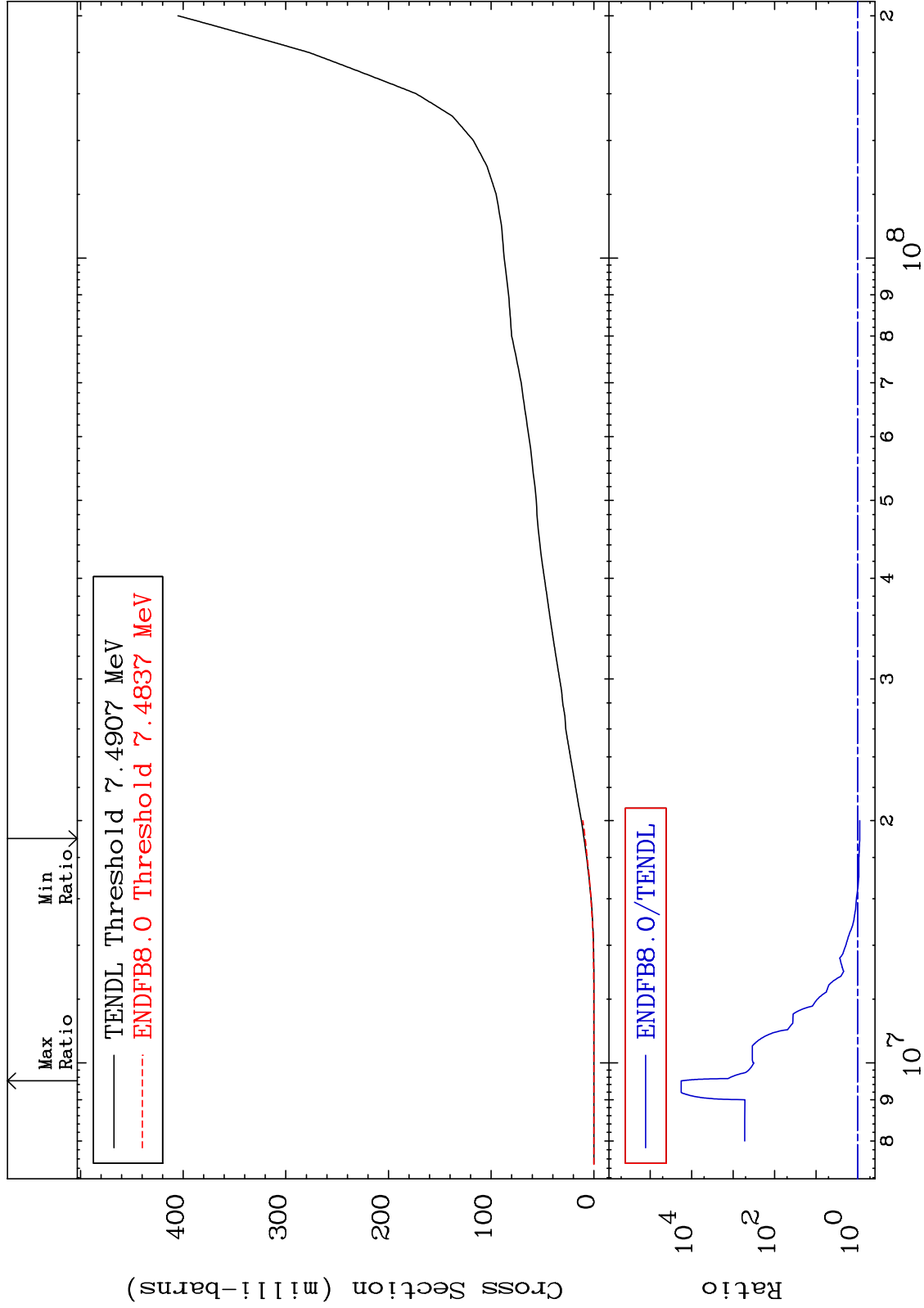
48-Cd-112
-13.07 To 9999. %



MAT 4843

Deuterium Production
Cross Section

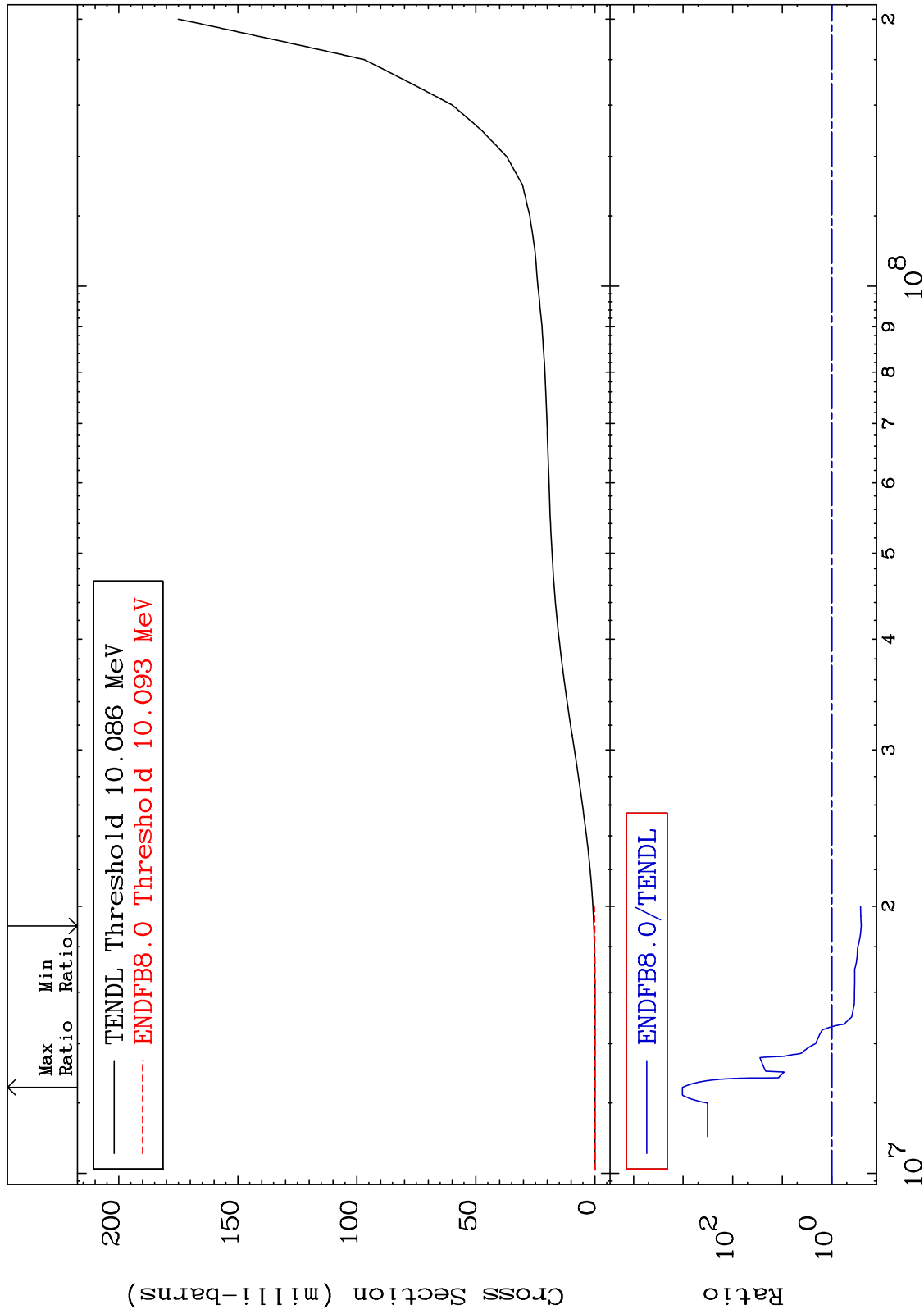
48-Cd-112
-12.14 To 9999. %



MAT 4843

Tritium Production
Cross Section

48-Cd-112
-74.61 To 9999. %



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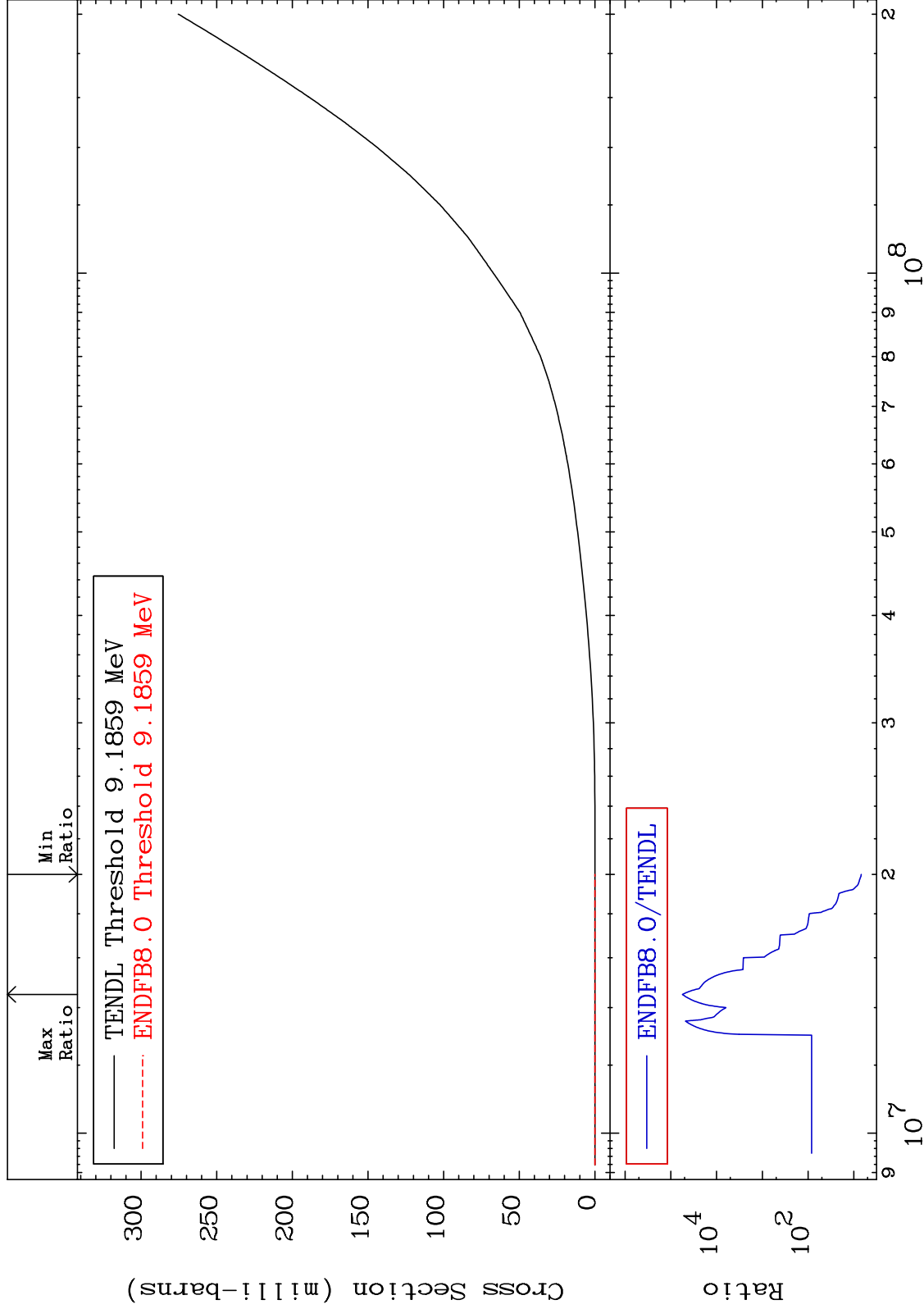
Incident Energy (eV)

48-Cd-112

MAT 4843

He-3 Production
Cross Section

48-Cd-112
587.6 To 9999. %



28

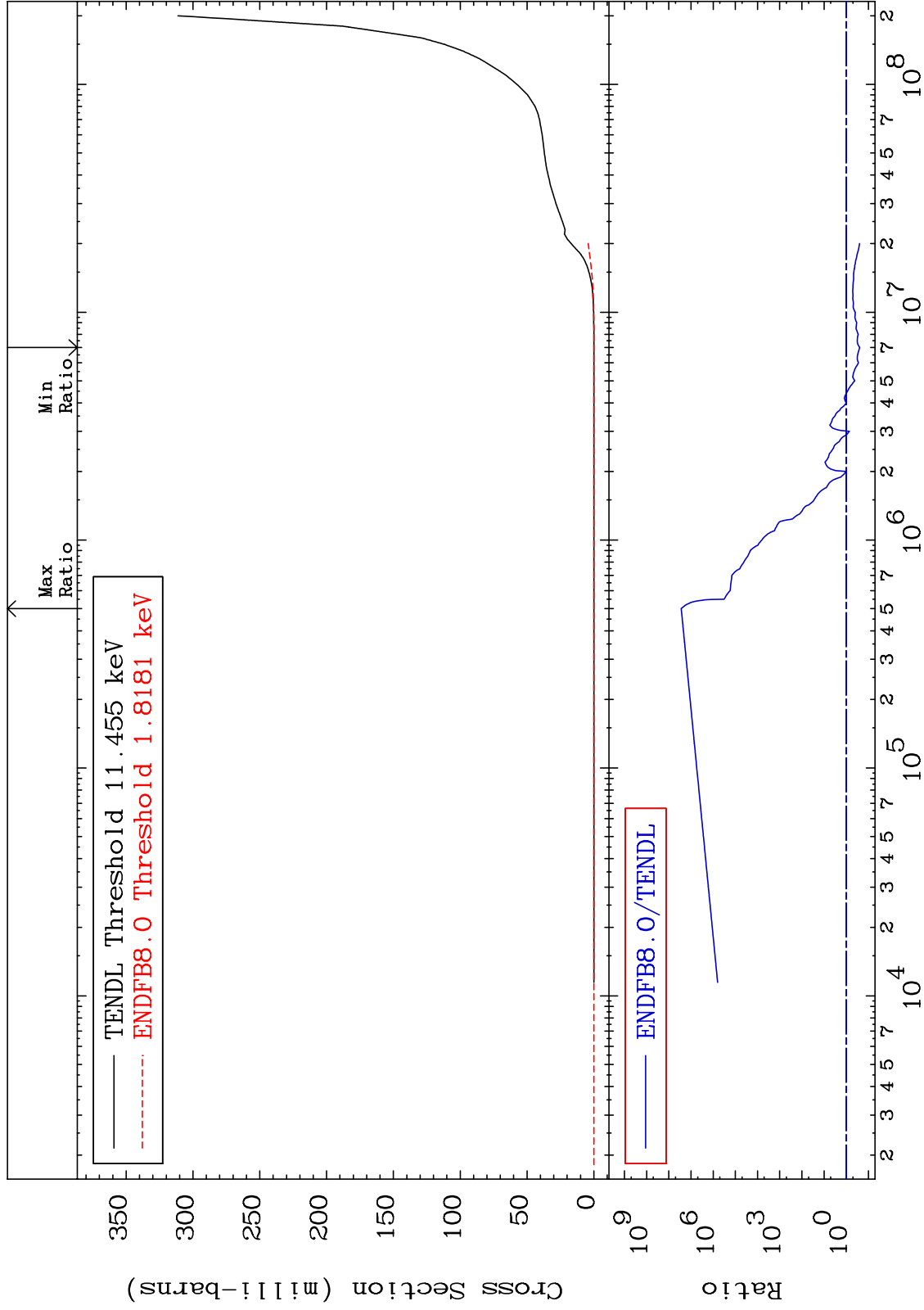
Incident Energy (eV)

48-Cd-112

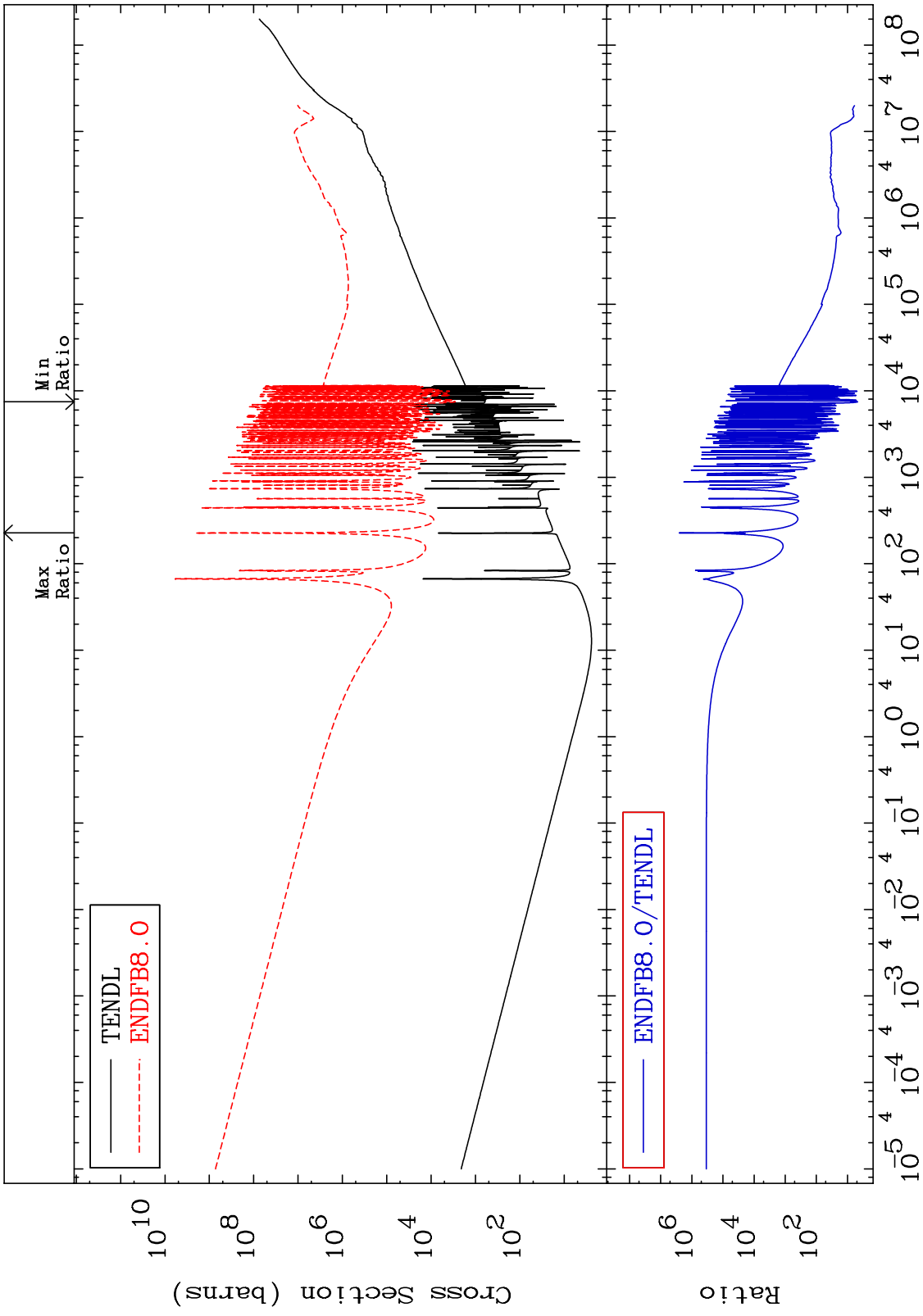
MAT 4843

He-4 Production
Cross Section

48-Cd-112
-75.47 To 9999. %

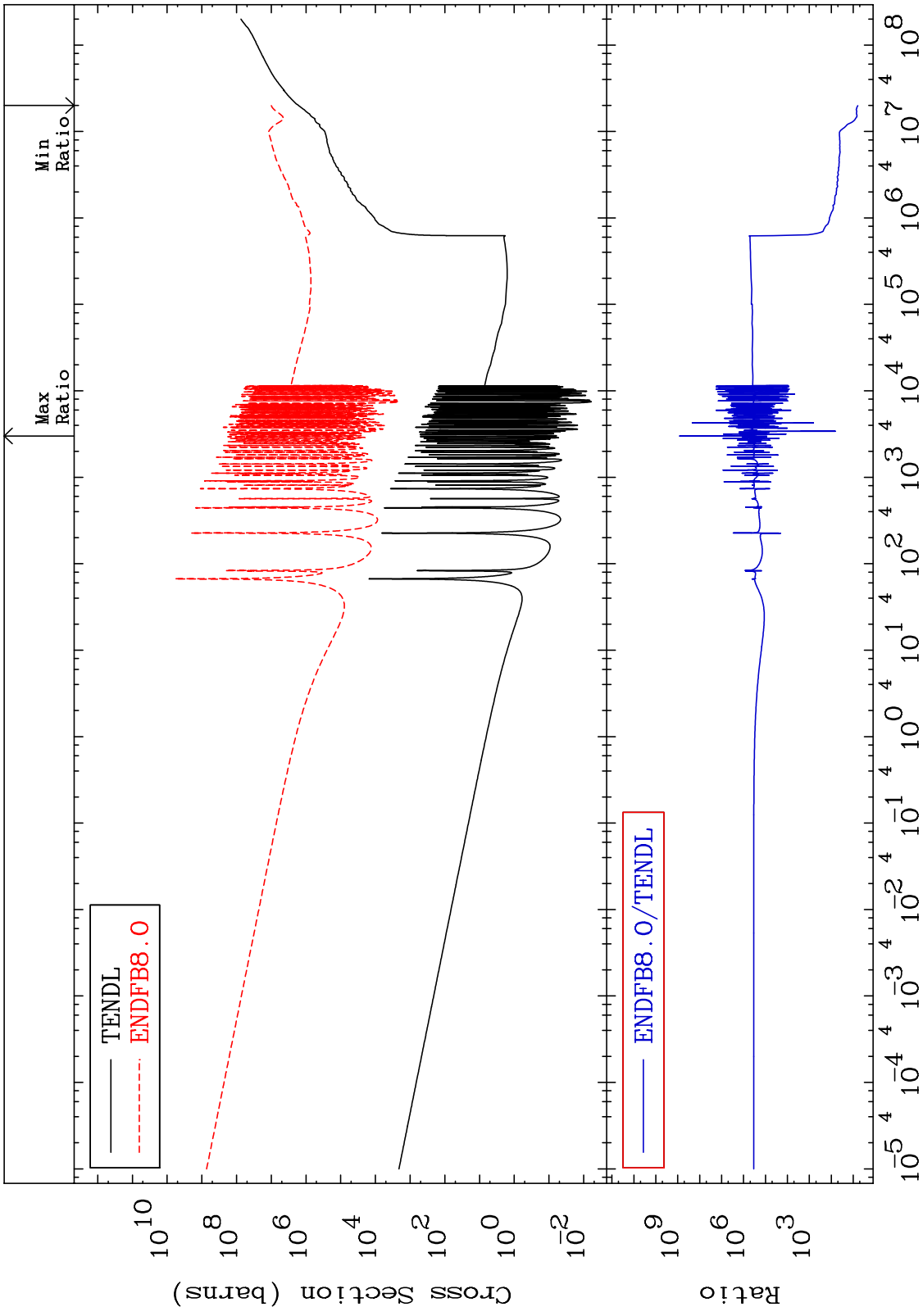


MAT 4843 Kerma total (eV-barns) 48-Cd-112
 Cross Section 364.9 To 9999. %

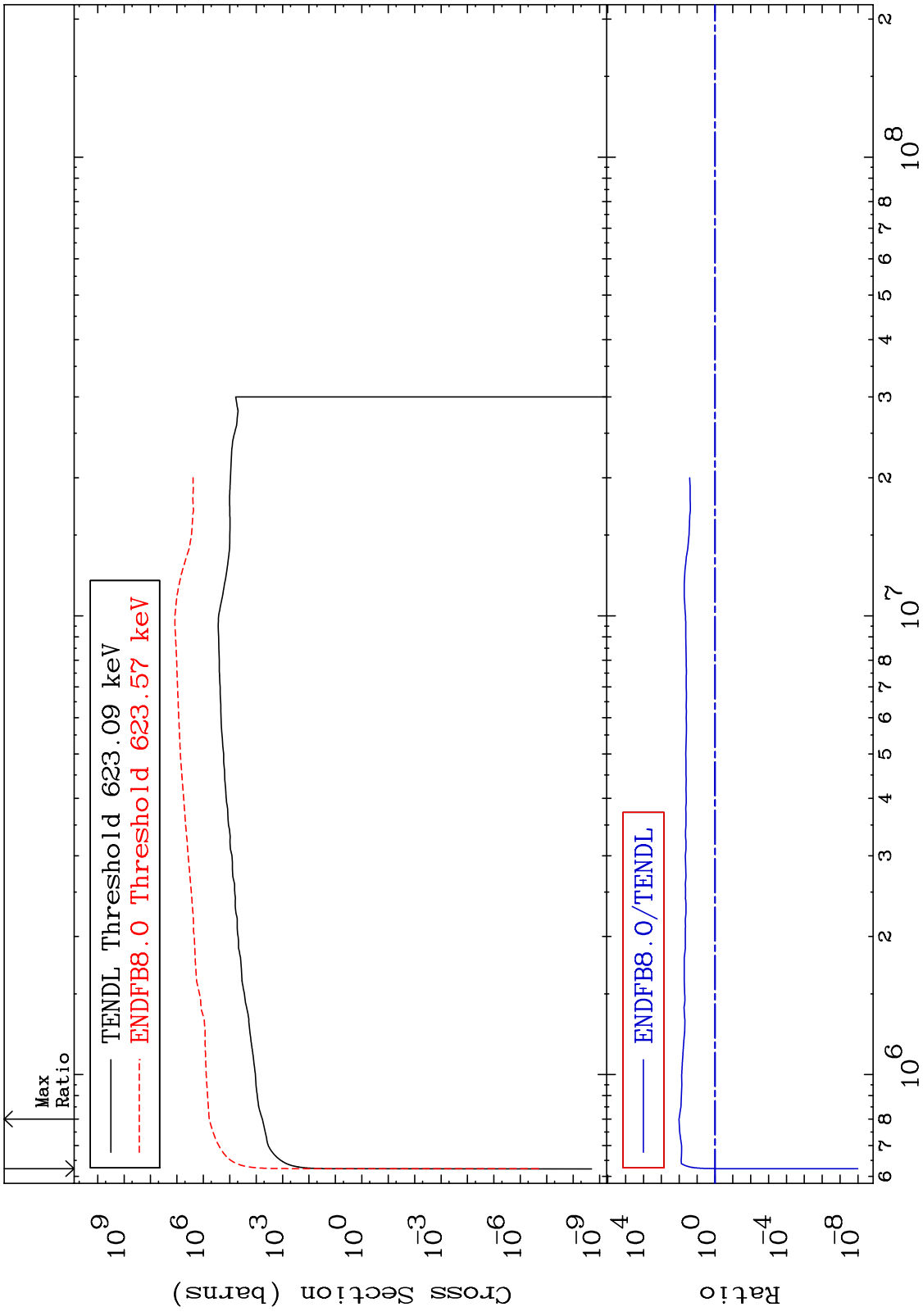


30 Incident Energy (eV) 48-Cd-112

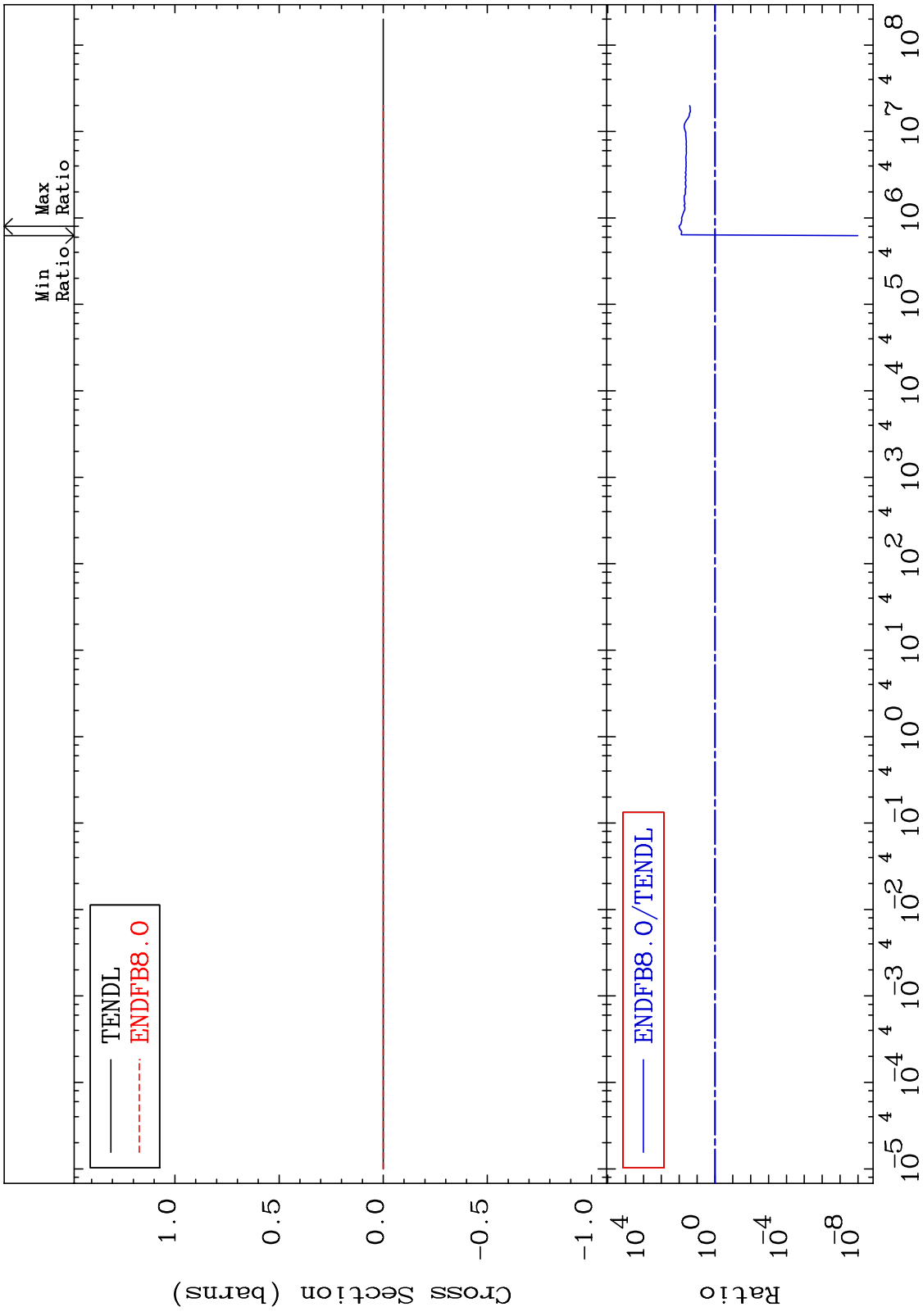
MAT 4843 Kerma non-elastic (all but mt2) 48-Cd-112
 Cross Section 515.5 To 9999. %



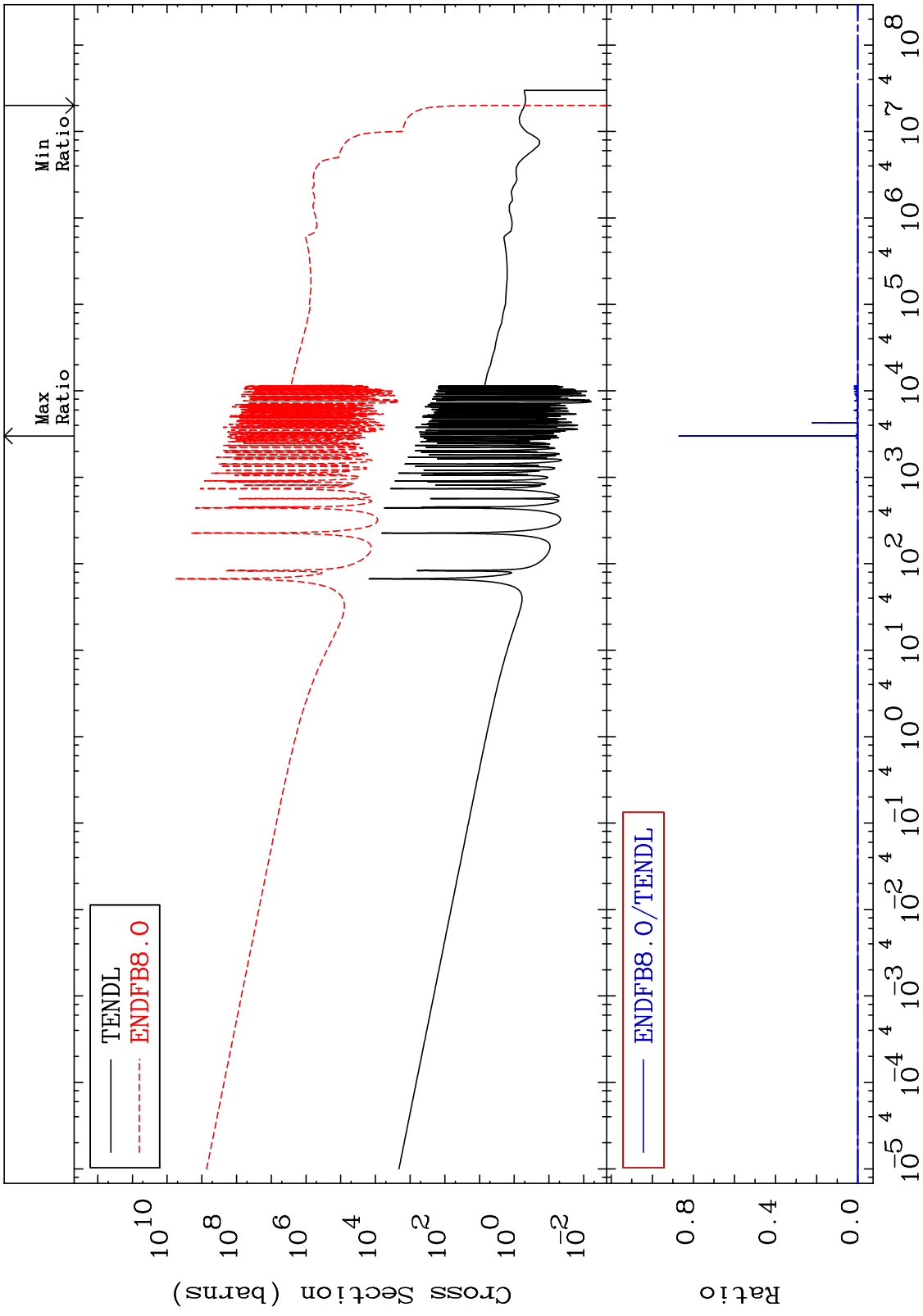
MAT 4843 Kerma inelastic (mt51-91) 48-Cd-112
 Cross Section -100.0 To 9999. %



MAT 4843 Kerma fission (mt18 or mt19-20-21-38) 48-Cd-112
 Cross Section -100.0 To 9999. %



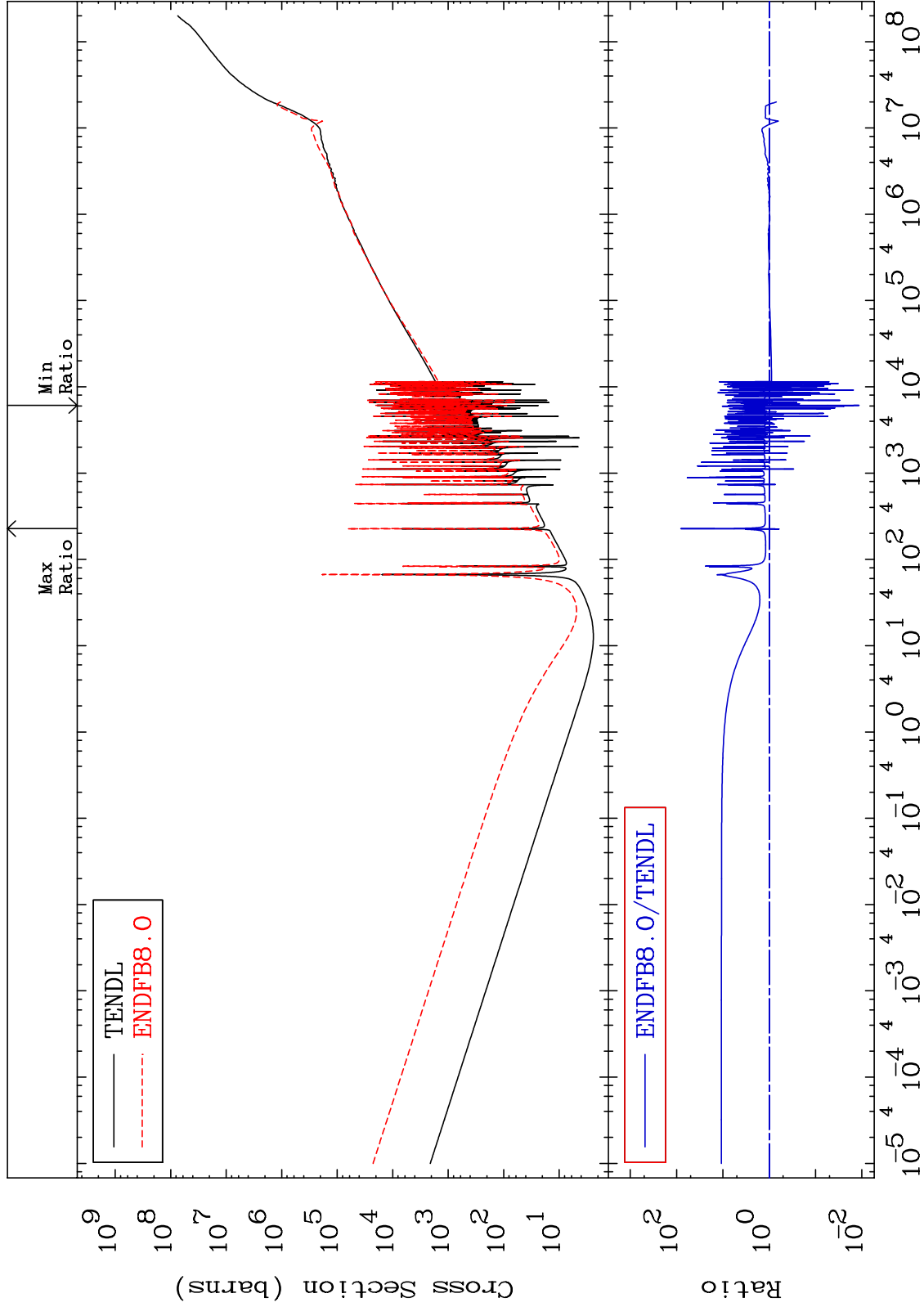
MAT 4843 Kerma capture (mt102) 48-Cd-112
 Cross Section -100.0 To 9999. %



MAT 4843

Total kinematic kerma (high limit)
Cross Section

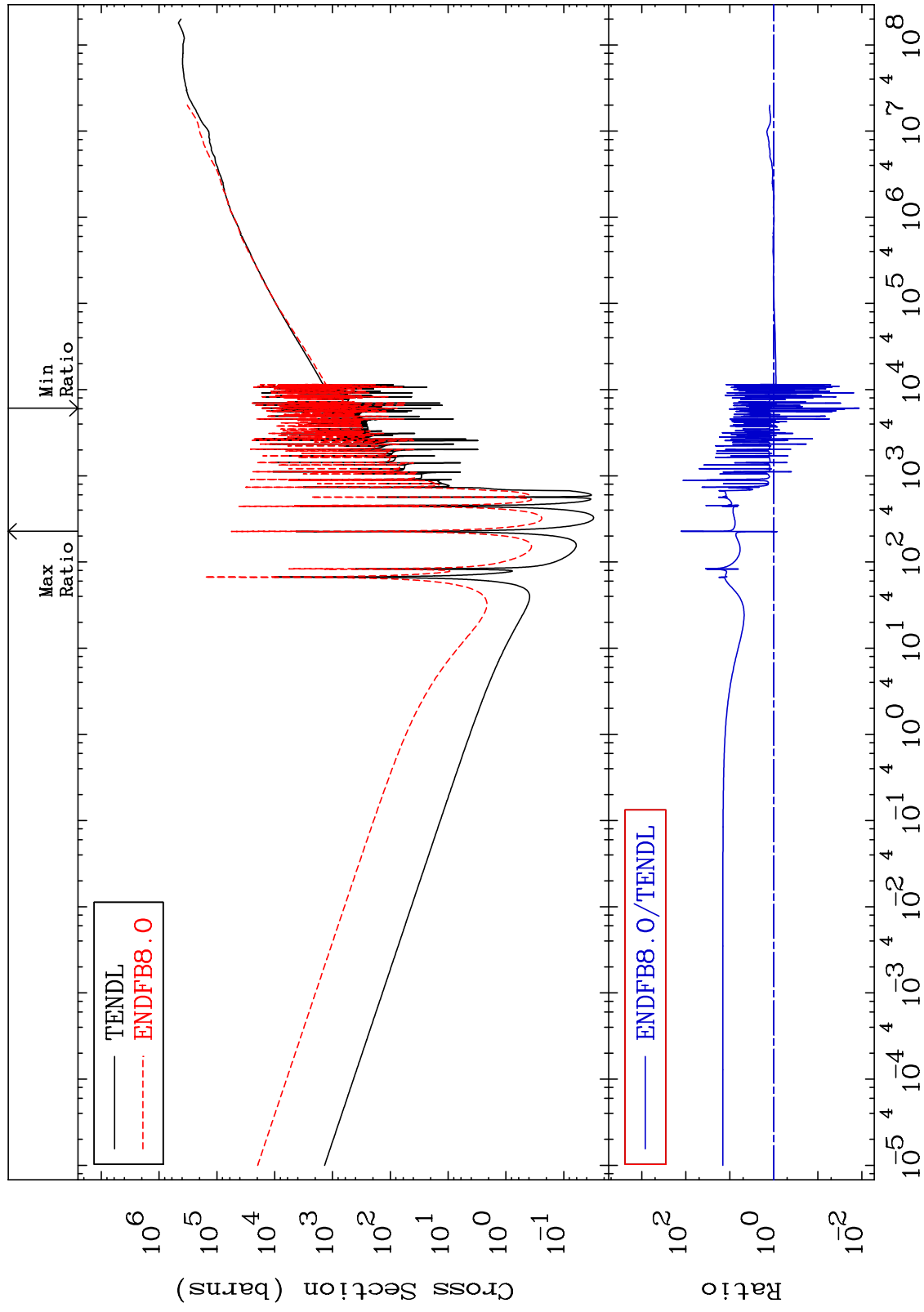
48-Cd-112
-98.85 To 8072. %



MAT 4843

Dpa total (eV-barns)
Cross Section

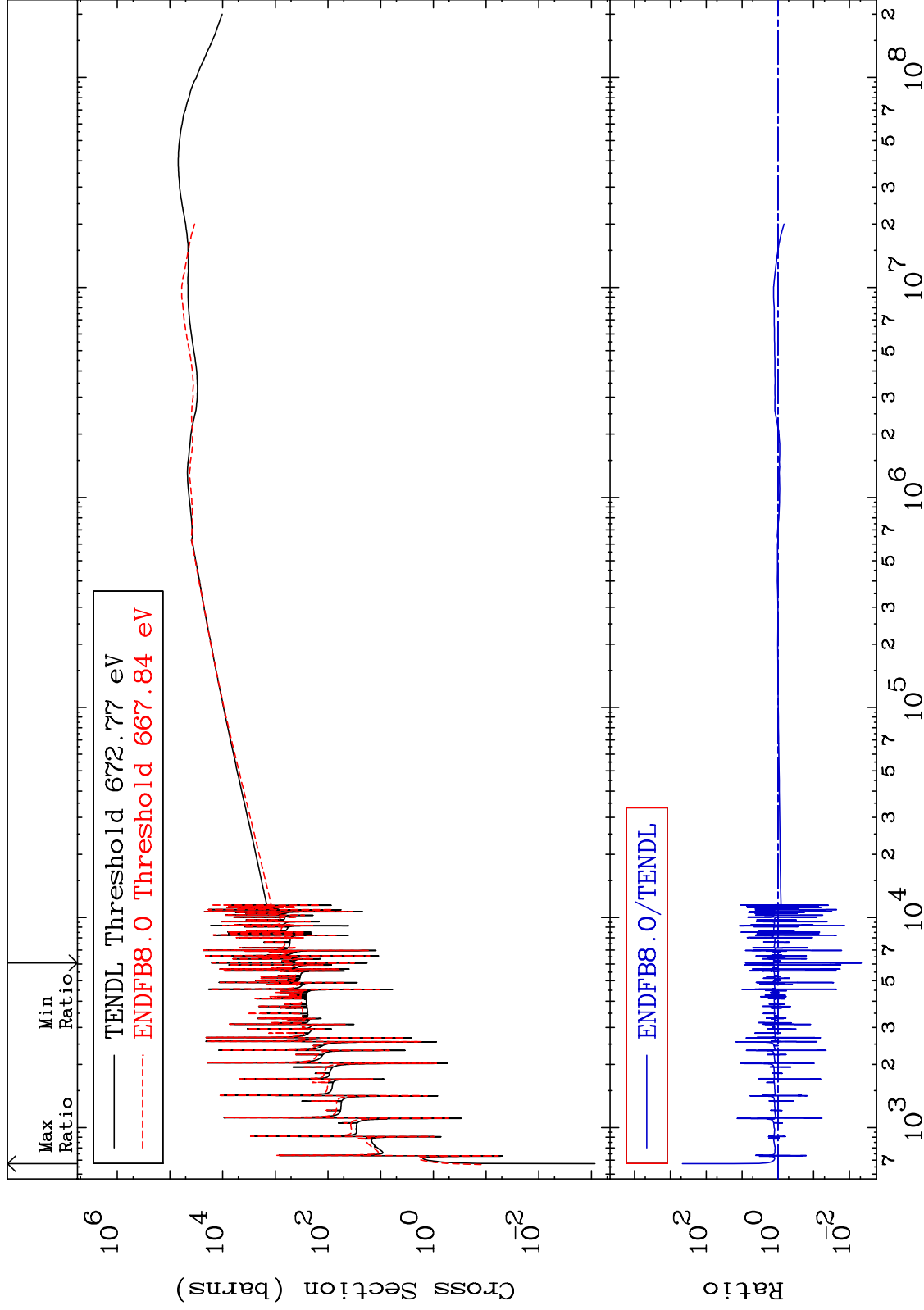
48-Cd-112
-98.84 To 9999. %



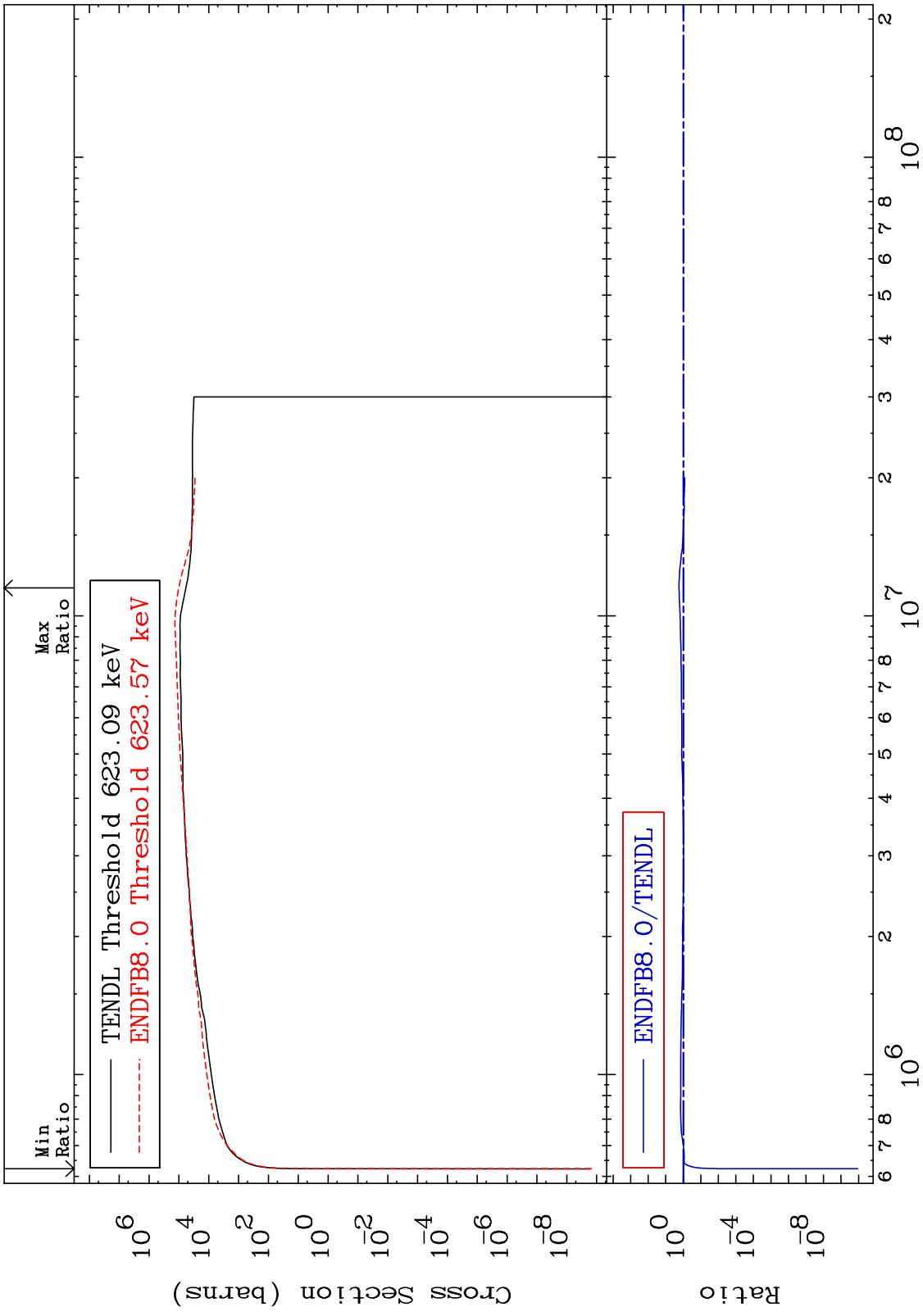
MAT 4843

Dpa elastic (mt2)
Cross Section

48-Cd-112
-99.53 To 9999. %



MAT 4843 Dpa inelastic (mt51-91) 48-Cd-112
Cross Section -100.0 To 74.28 %



MAT 4843 Dpa disappearance (mt102 -120) 48-Cd-112
 Cross Section -99.69 To 9999. %

