

Program Complot
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way

Livermore, CA 94550

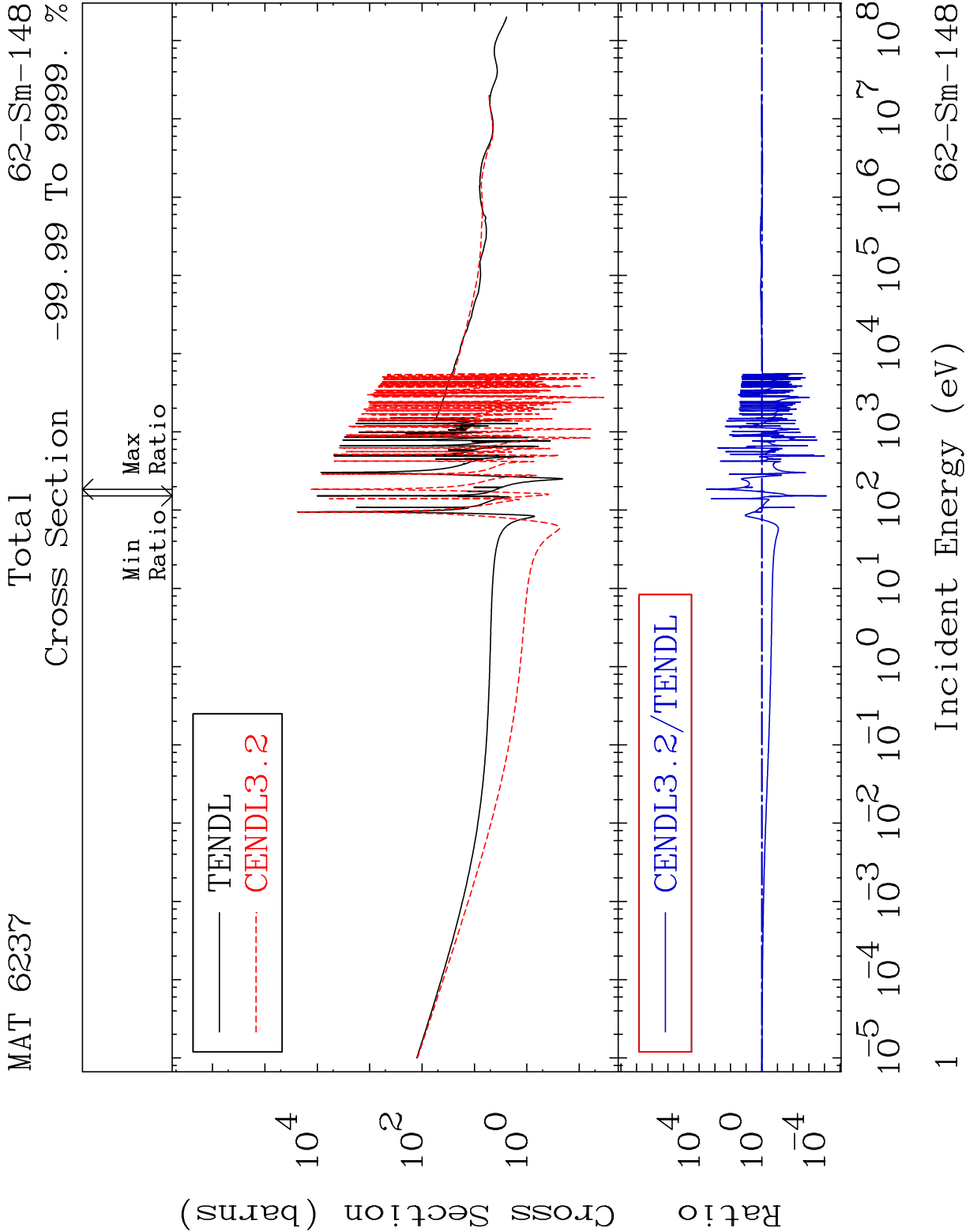
U.S.A.

Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

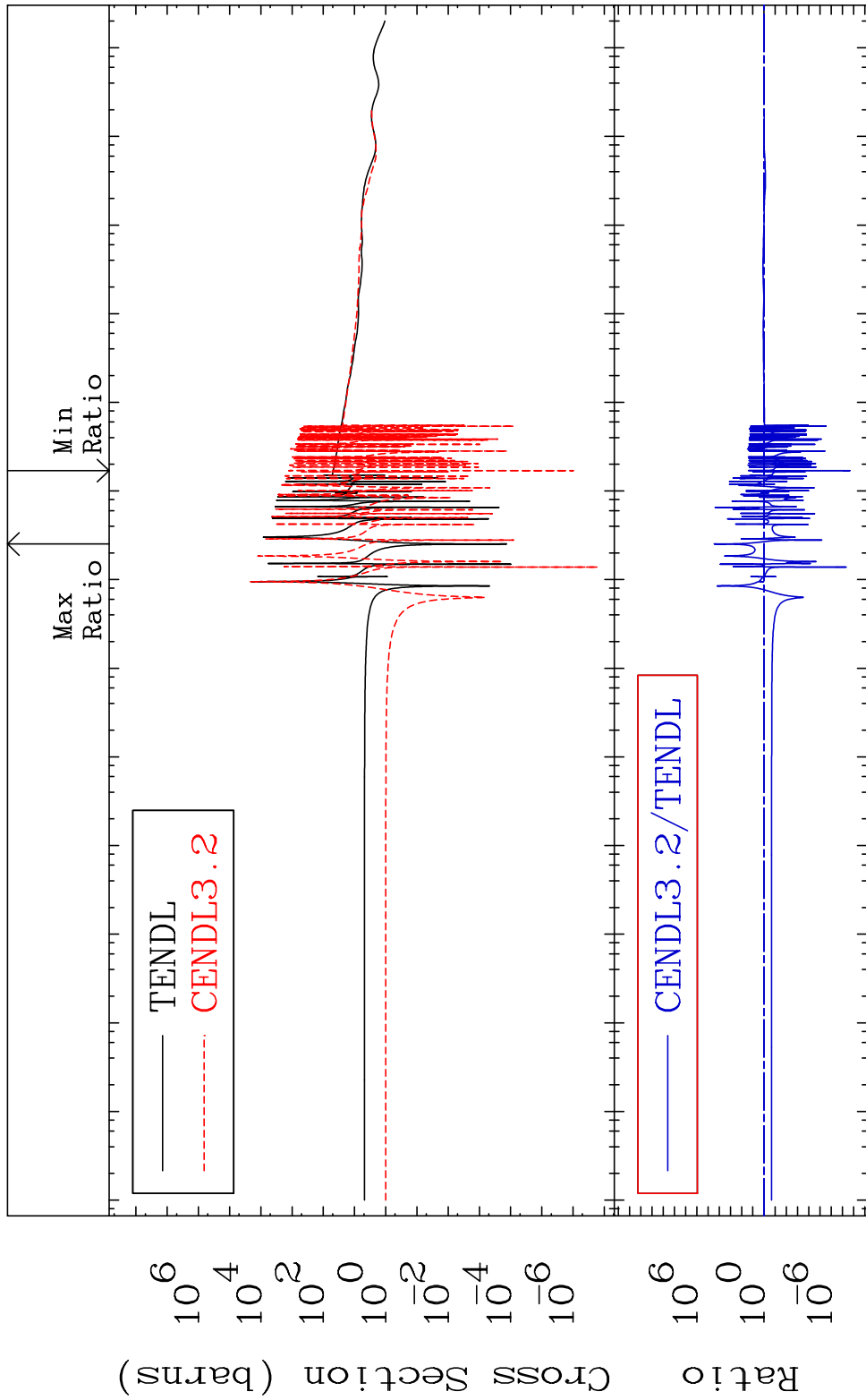


MAT 6237

Elastic

62-Sm-148

Cross Section -100.0 To 9999. %

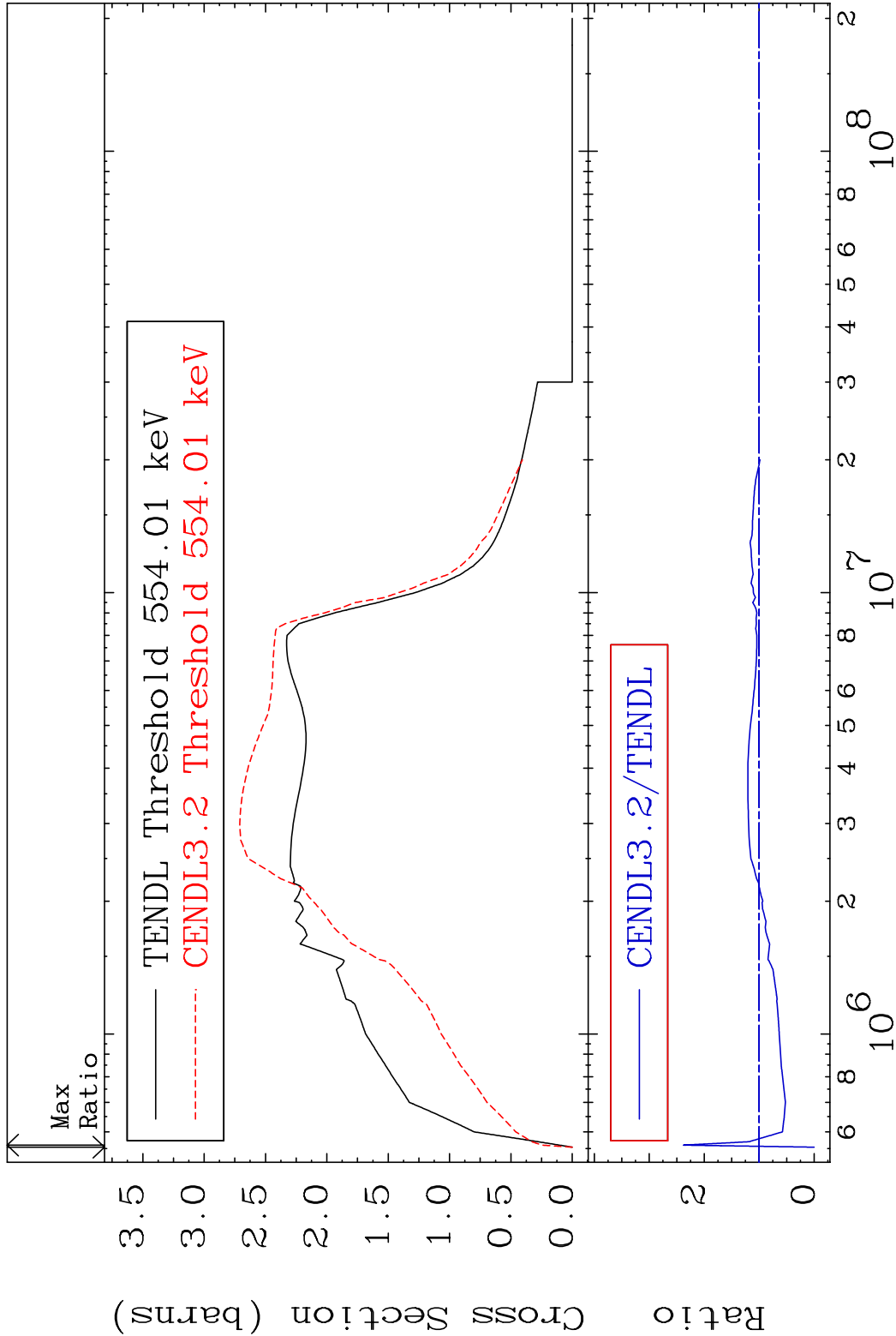


2

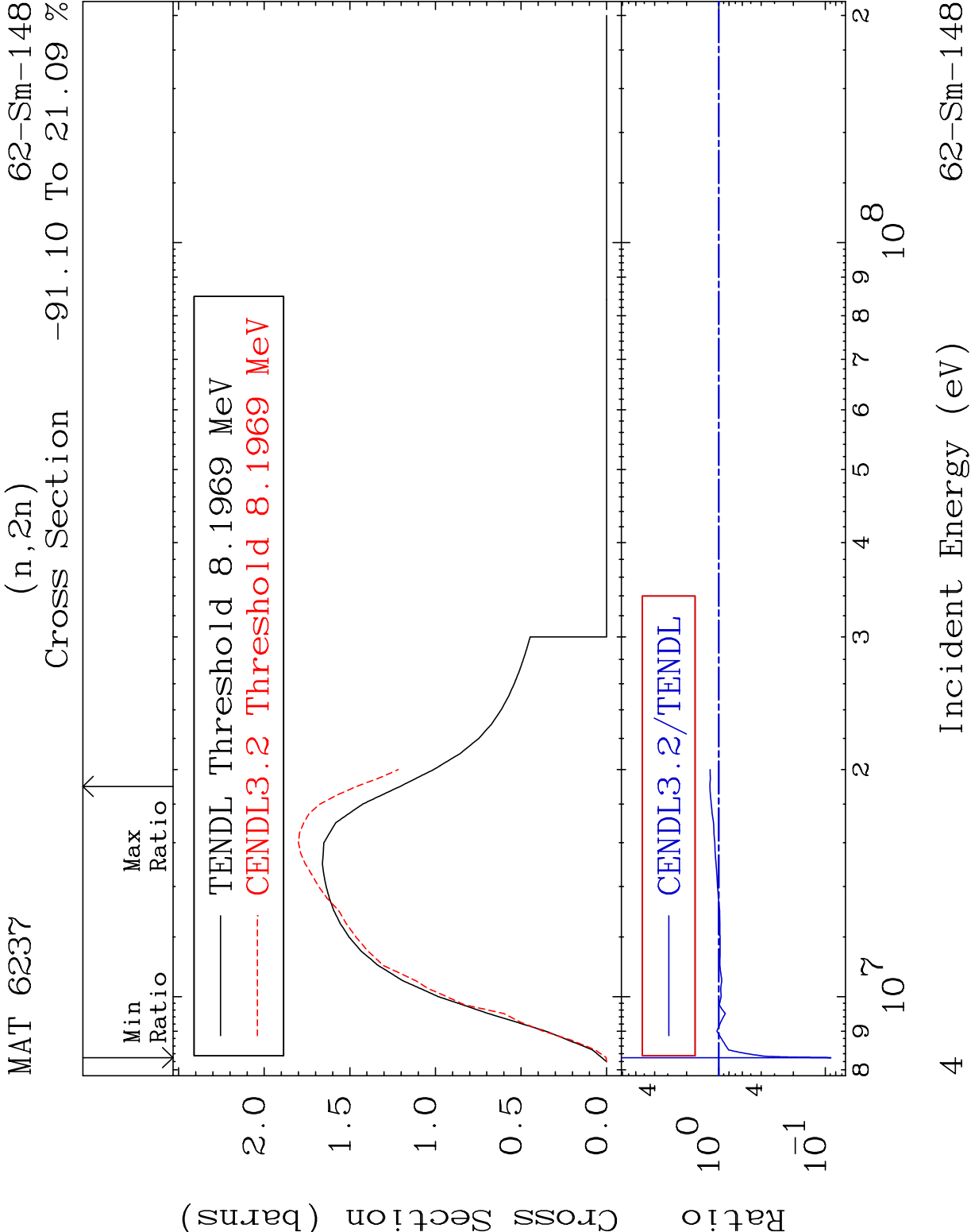
Incident Energy (eV)

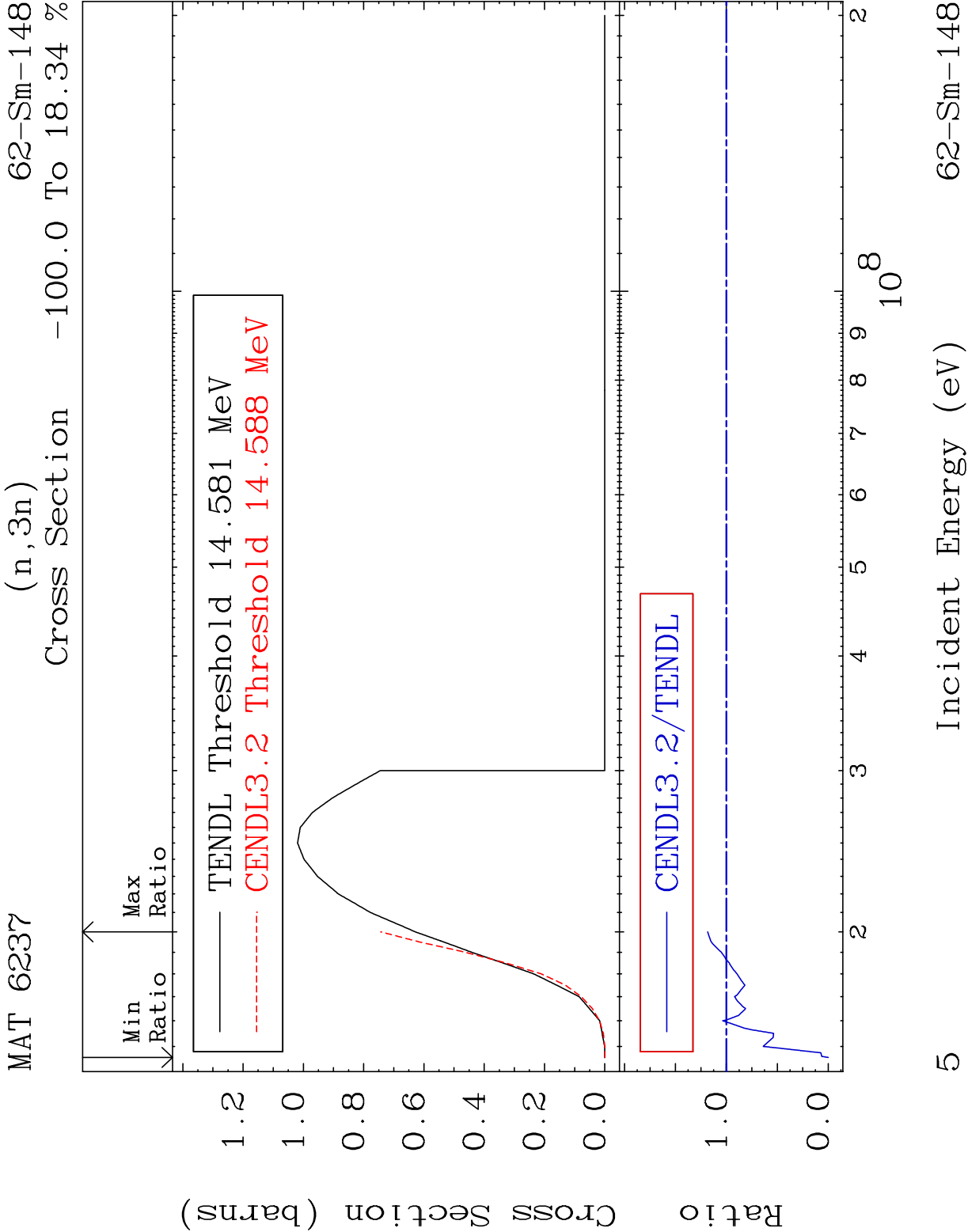
62-Sm-148

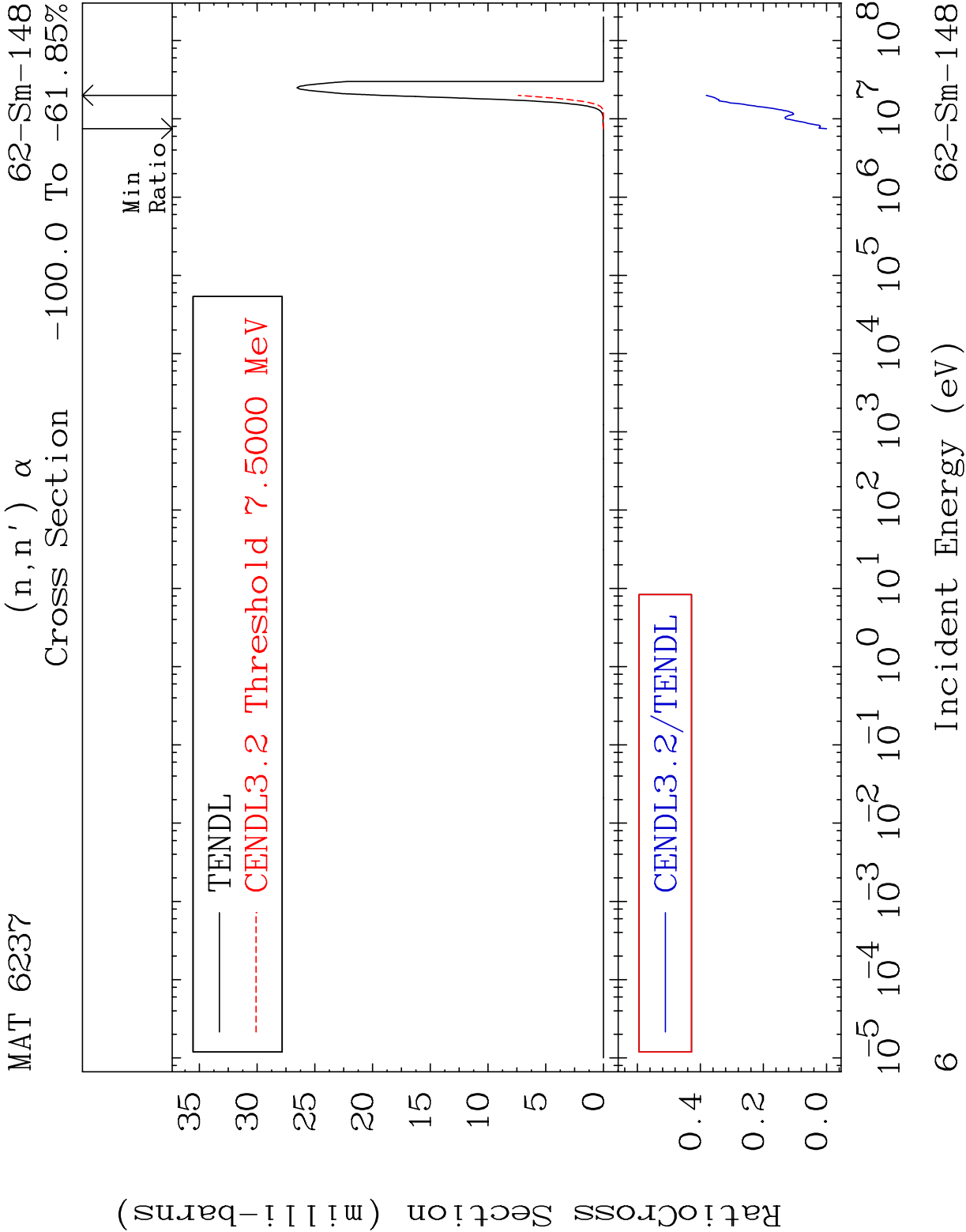
MAT 6237 Inelastic 62-Sm-148
 Cross Section -100.0 To 137.4 %

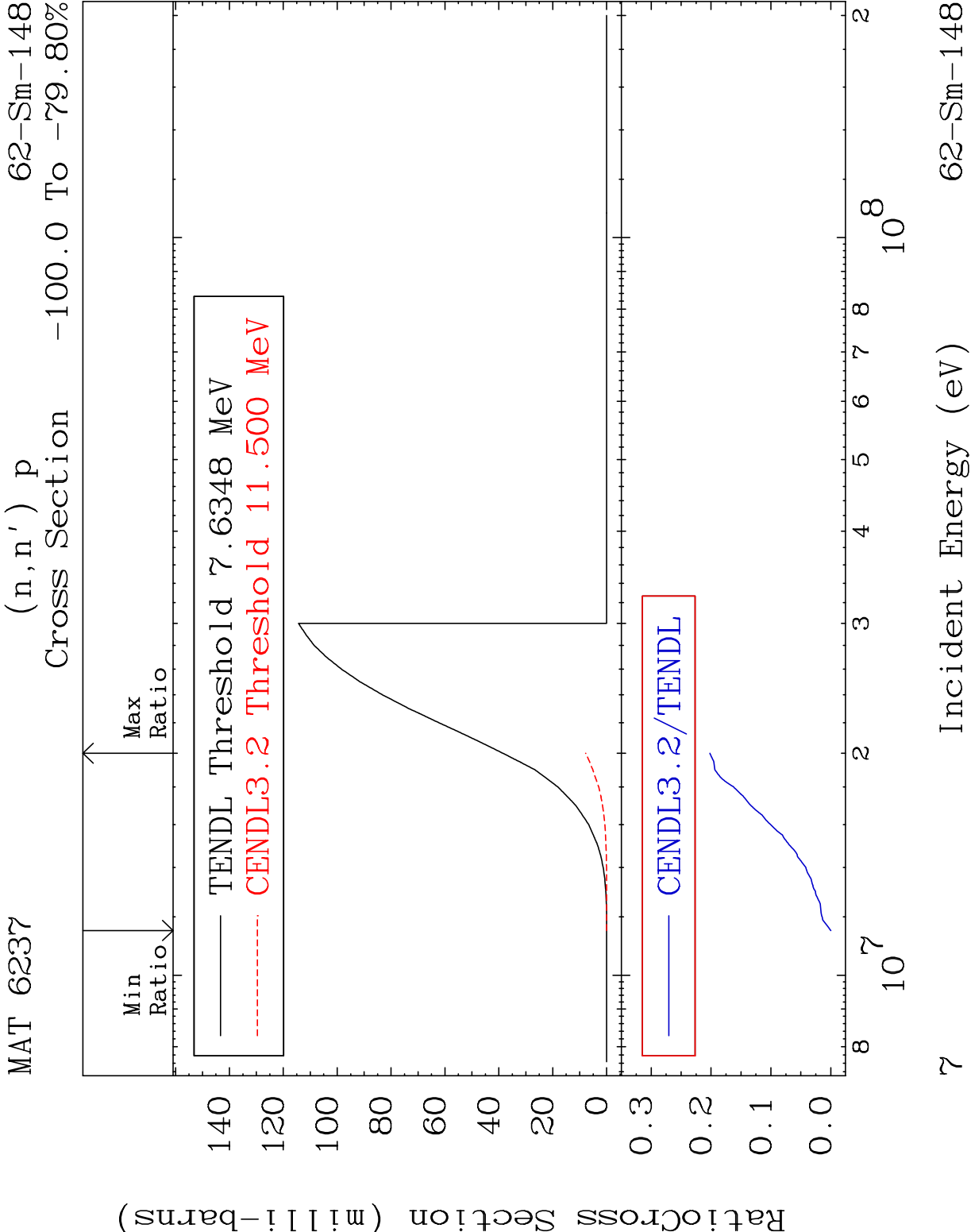


3 Incident Energy (eV) 62-Sm-148

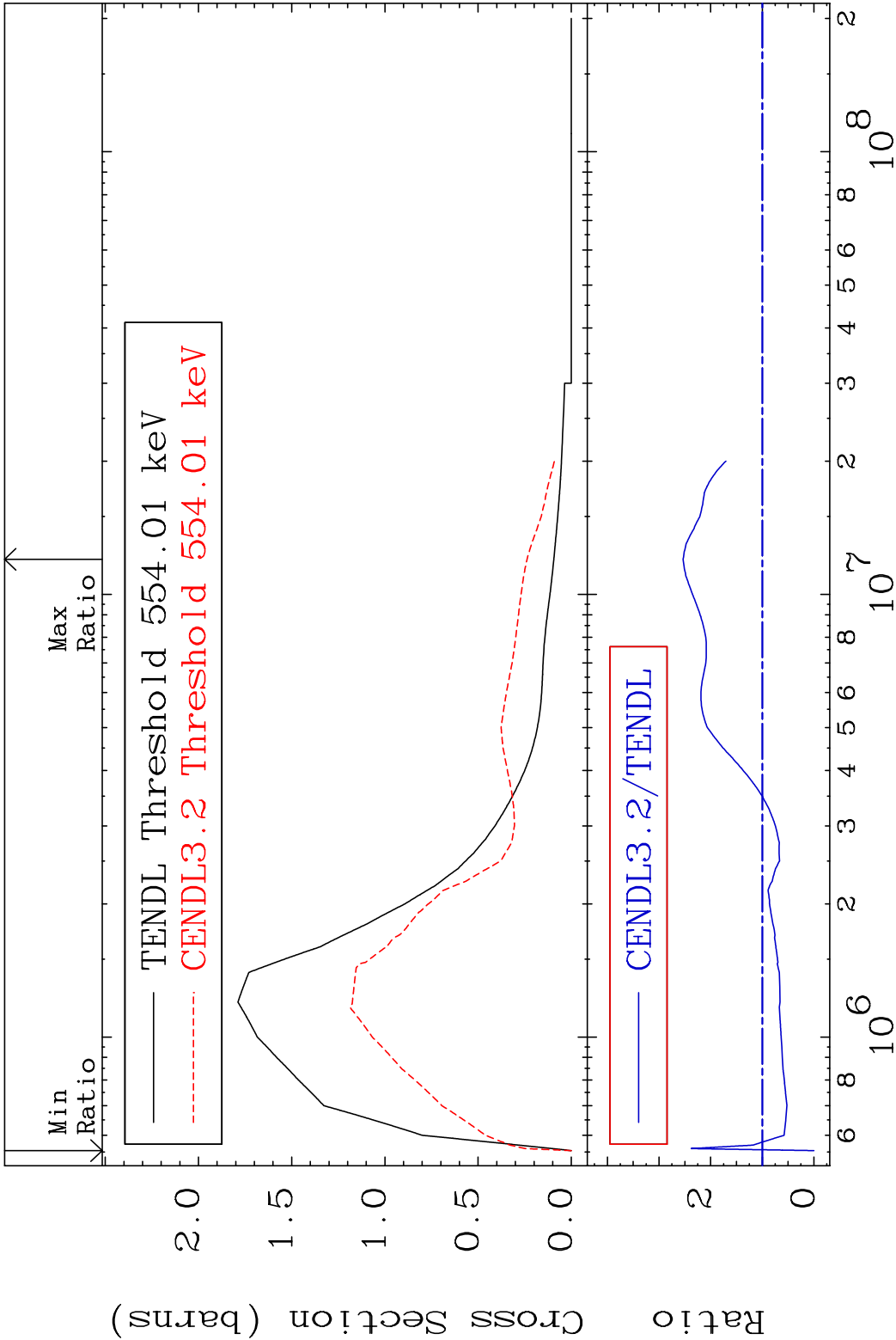




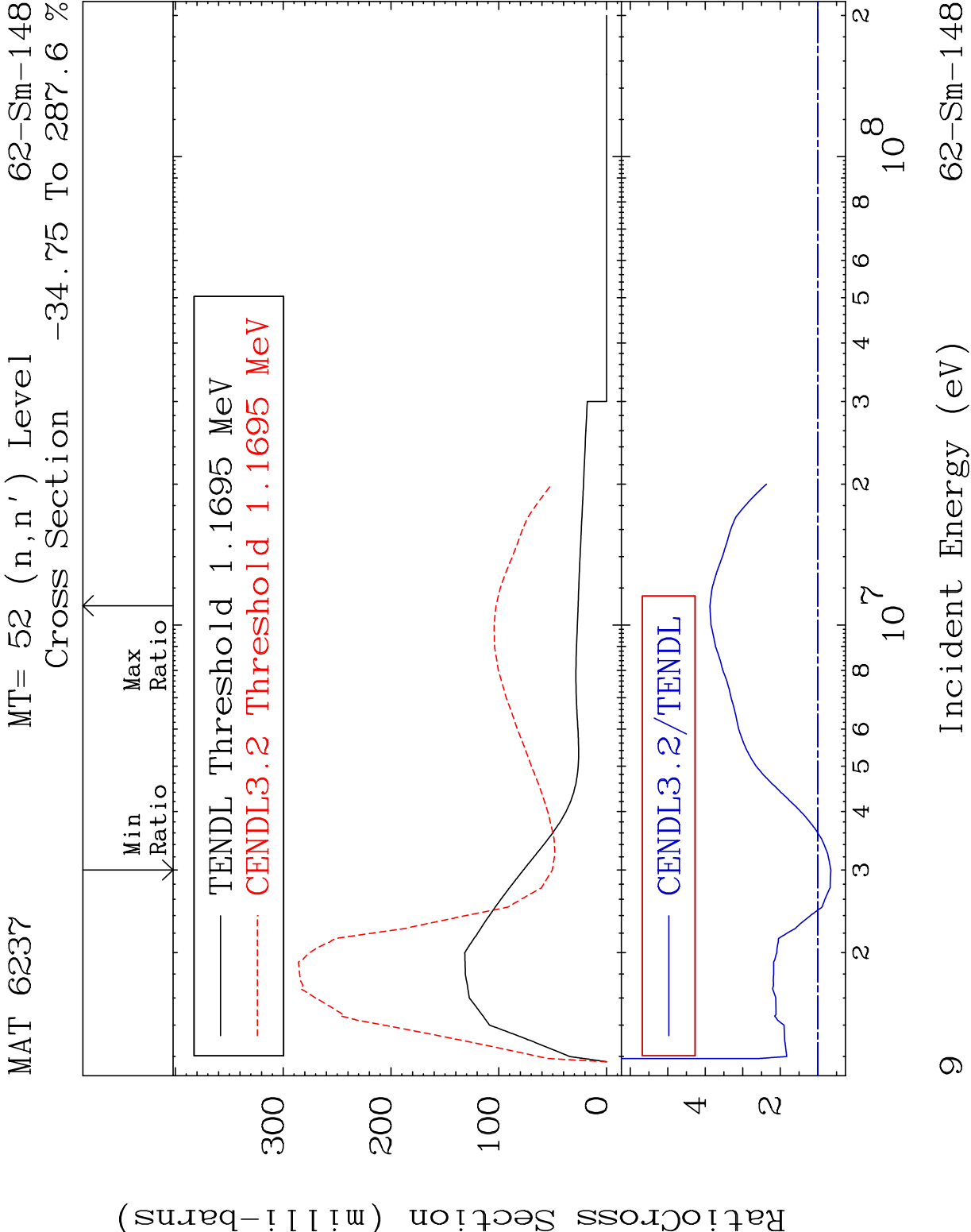




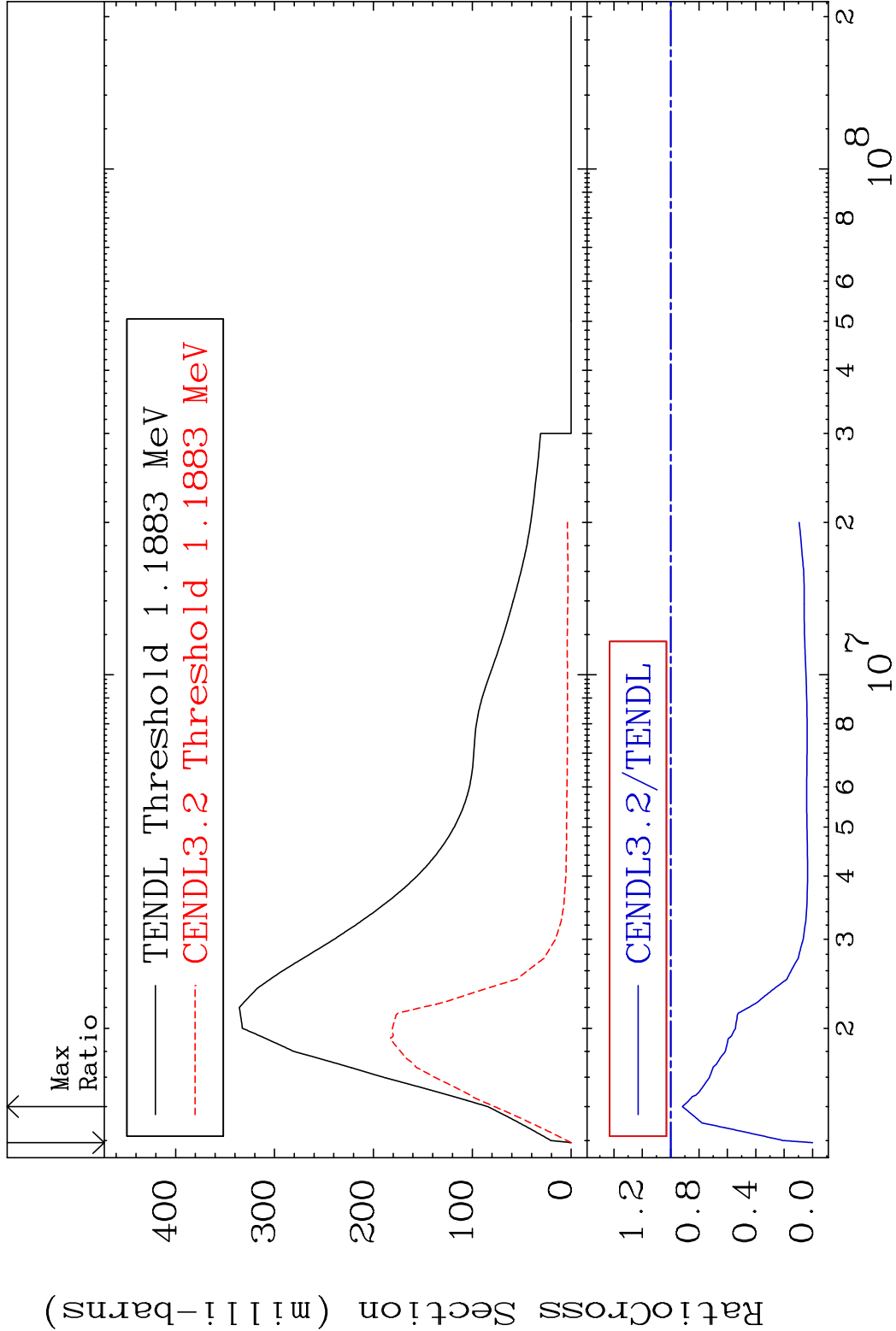
MAT 6237 MT= 51 (n,n') Level 62-Sm-148
Cross Section -100.0 To 153.5 %



8 Incident Energy (eV) 62-Sm-148



MAT 6237 MT= 53 (n,n') Level 62-Sm-148
Cross Section -100.0 To -8.236%



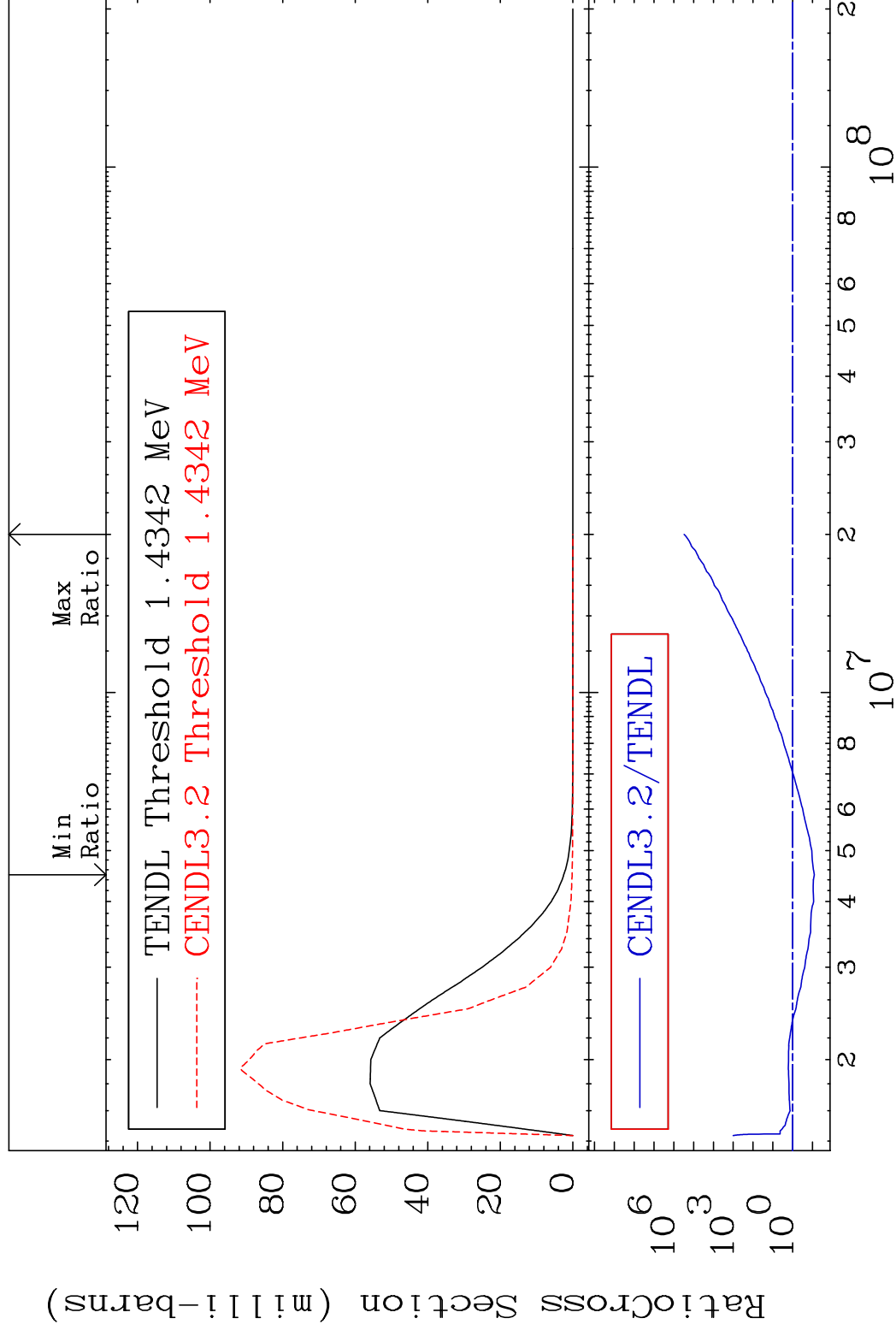
10 Incident Energy (eV) 62-Sm-148

MAT 6237

MT= 54 (n, n') Level

62-Sm-148

Cross Section -91.86 To 9999. %



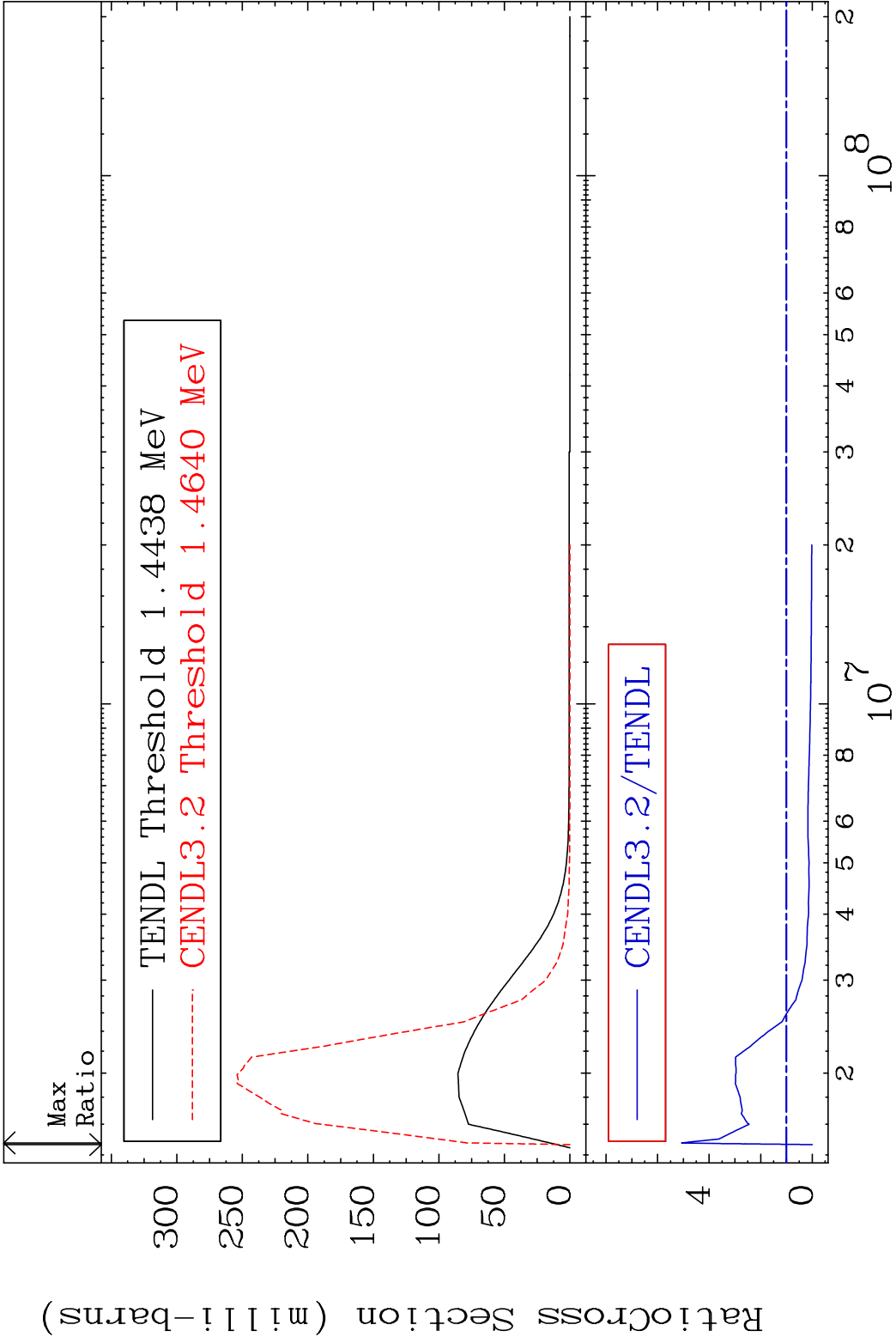
MAT 6237

MT= 55 (n,n') Level

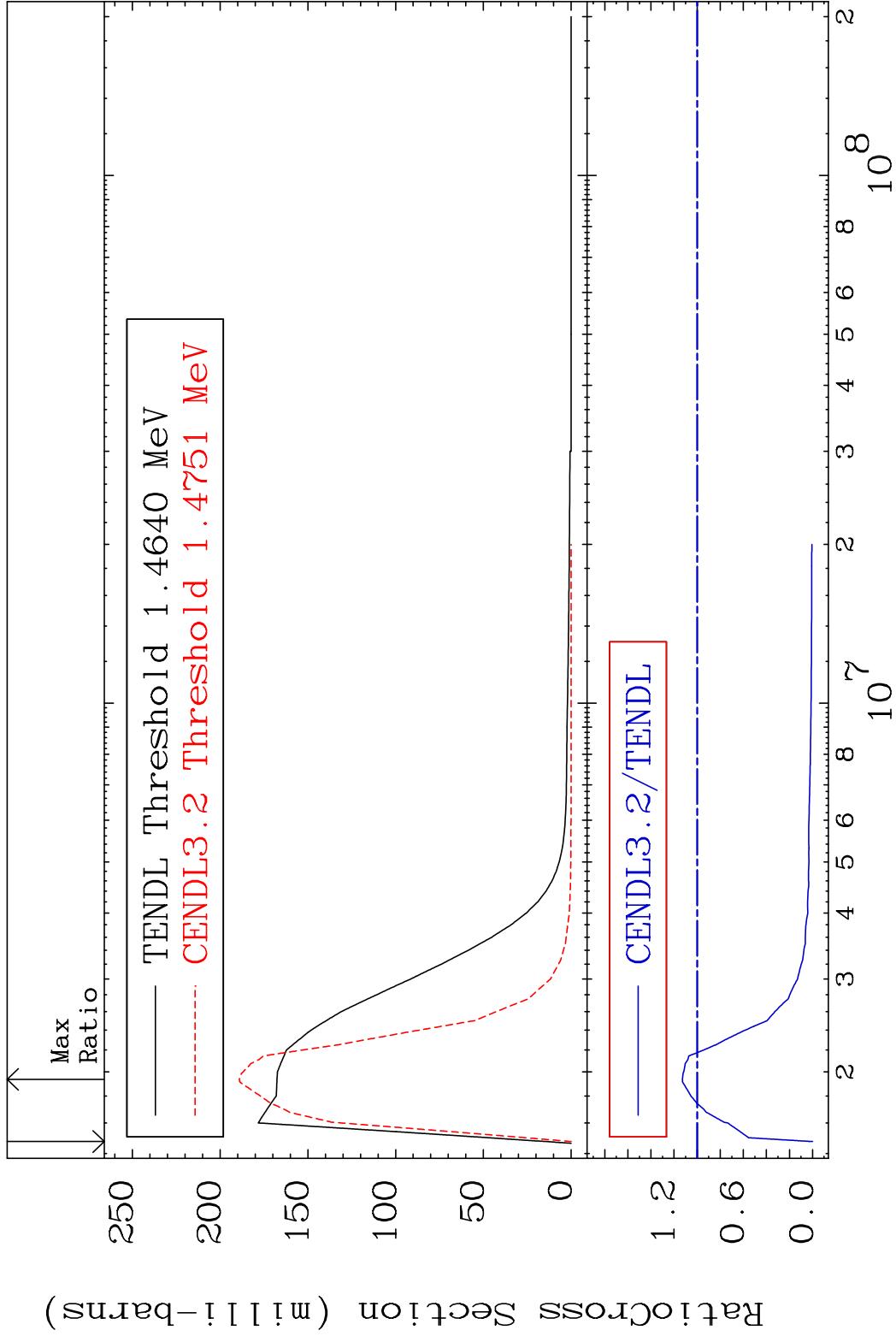
62-Sm-148

Cross Section

-100.0 To 407.1 %



MAT 6237 MT= 56 (n,n') Level 62-Sm-148
Cross Section -100.0 To 12.81 %



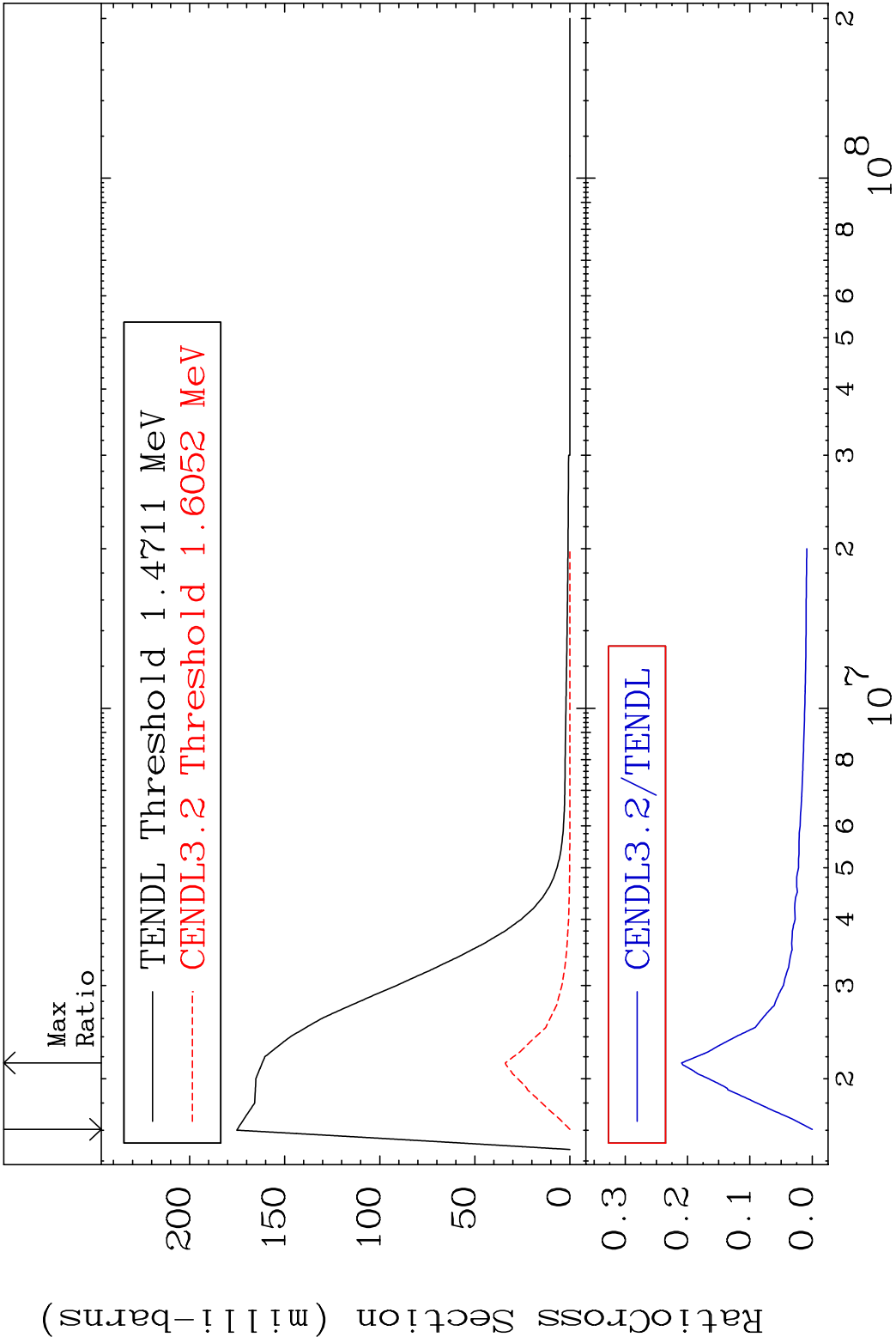
MAT 6237

MT= 57 (n,n') Level

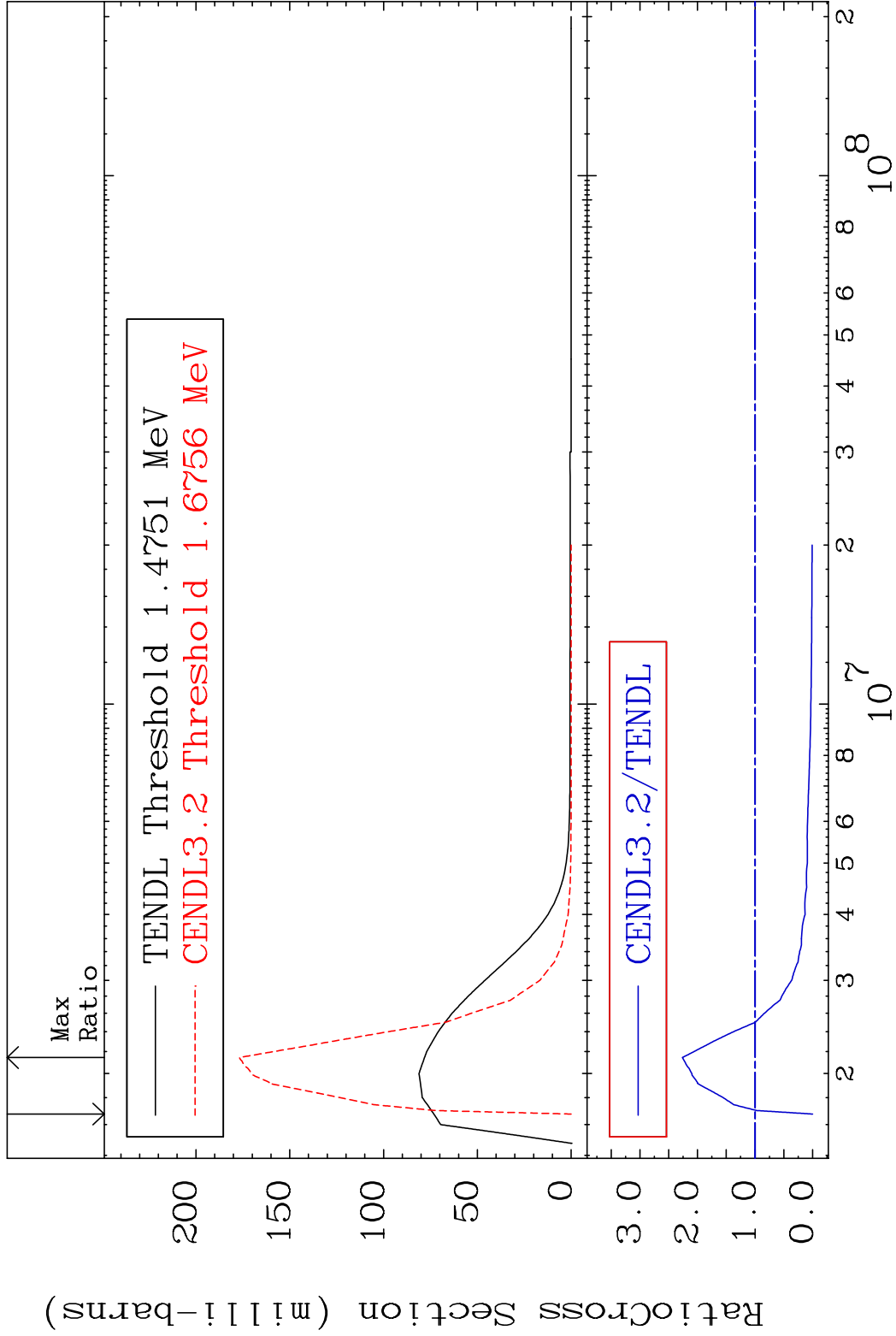
62-Sm-148

Cross Section

-100.0 To -79.03%



MAT 6237 MT= 58 (n,n') Level 62-Sm-148
Cross Section -100.0 To 126.4 %



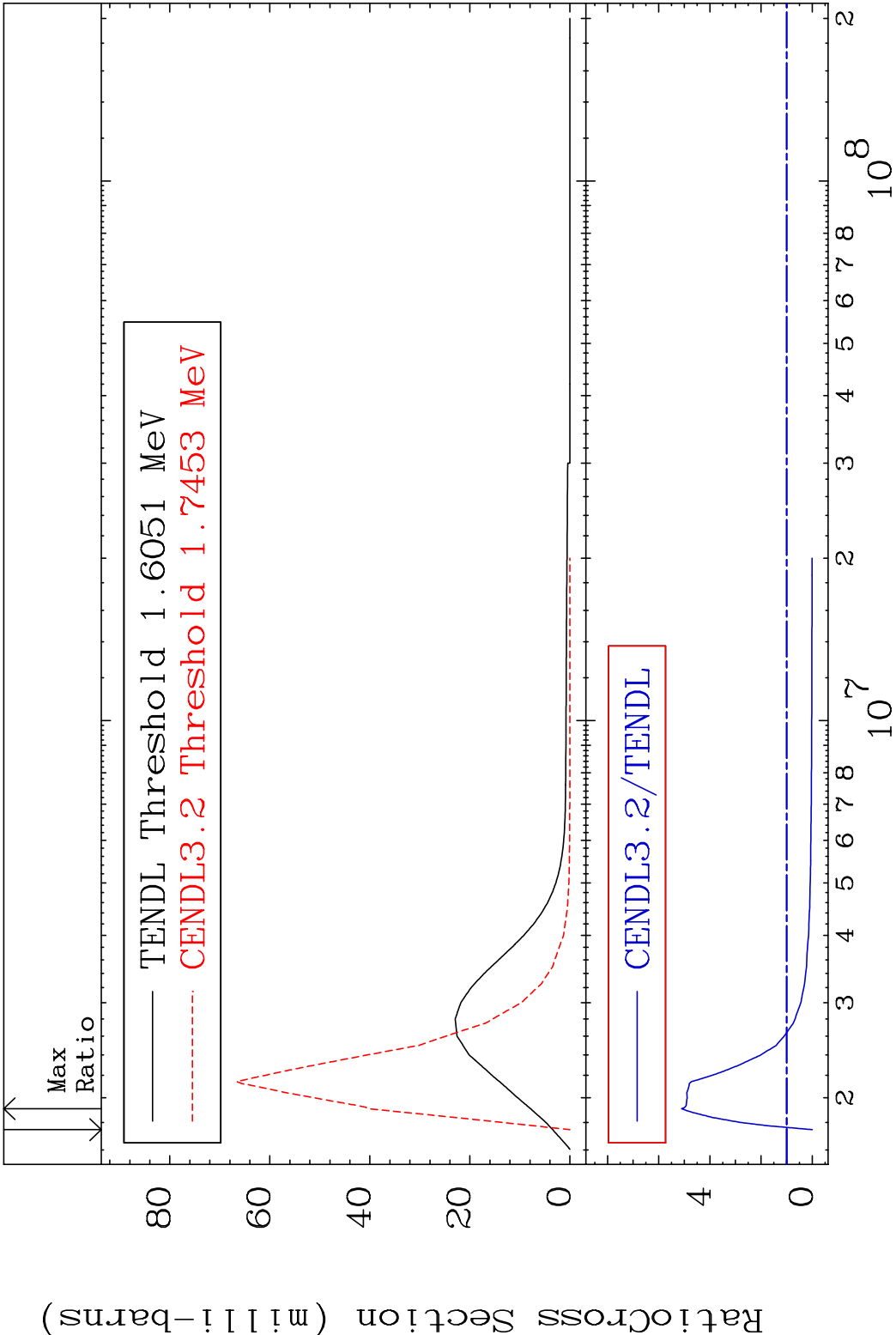
MAT 6237

MT= 59 (n,n') Level

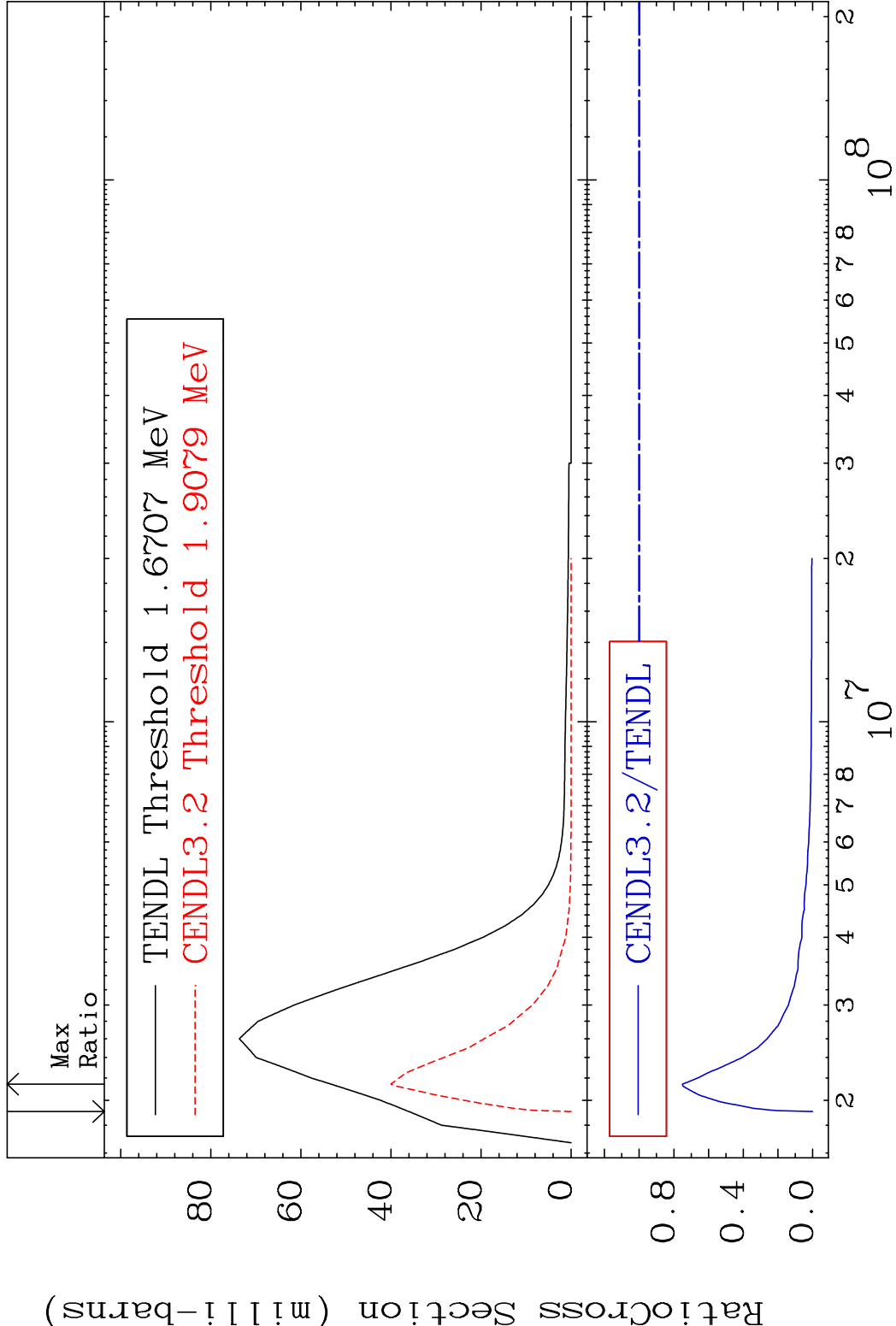
62-Sm-148

Cross Section

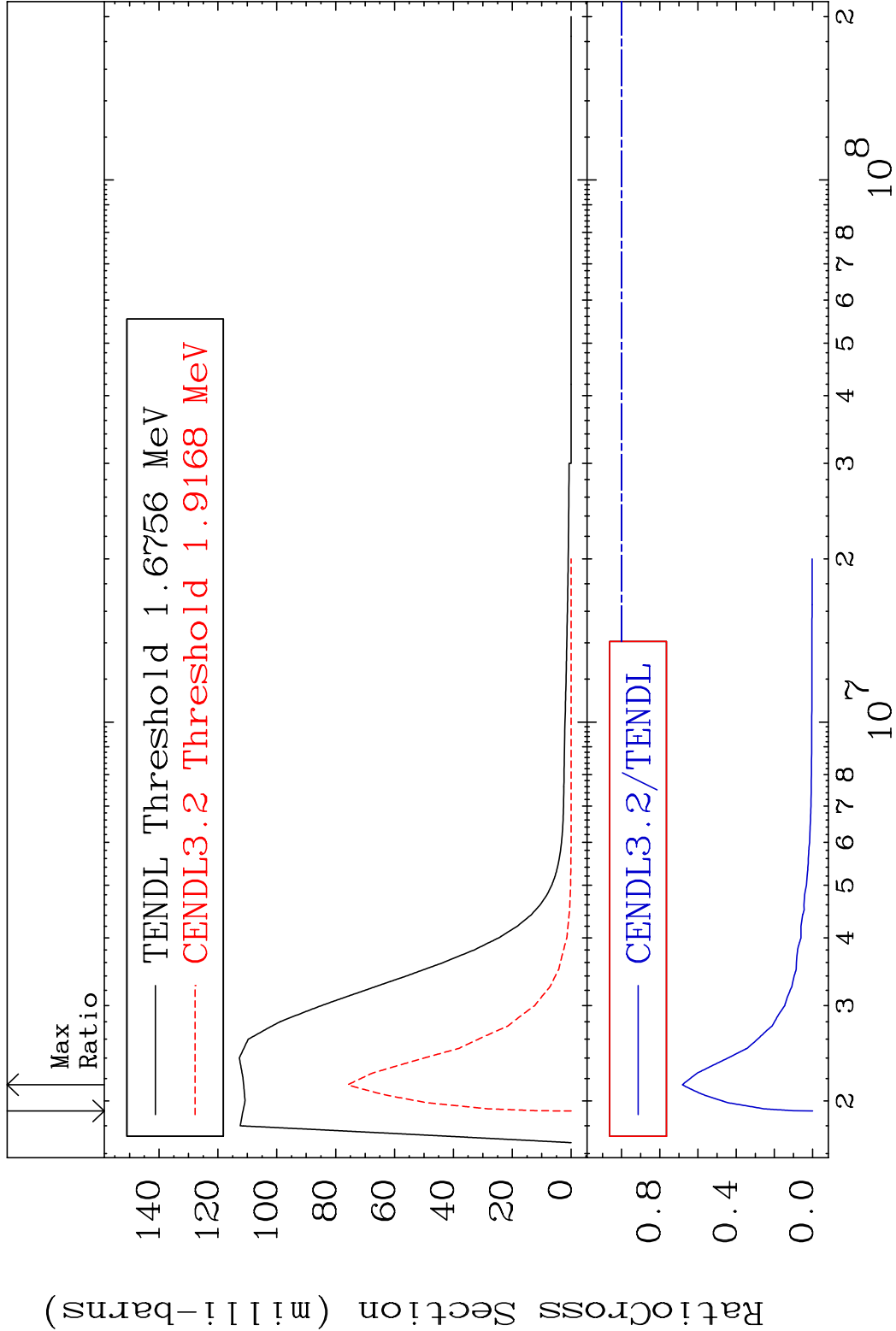
-100.0 To 410.8 %



MAT 6237 MT= 60 (n,n') Level 62-Sm-148
Cross Section -100.0 To -24.91%



MAT 6237 MT= 61 (n,n') Level 62-Sm-148
Cross Section -100.0 To -31.83%



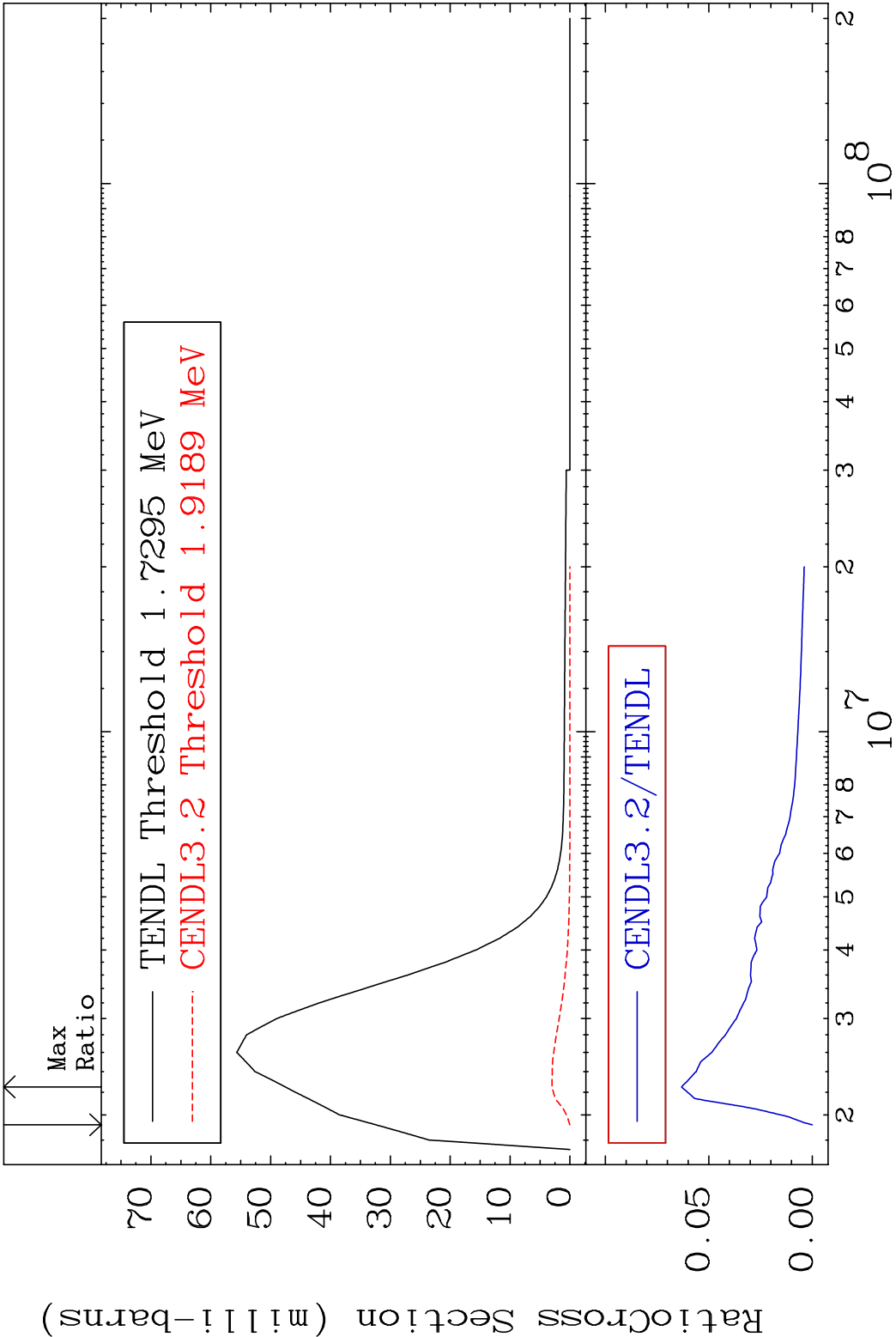
MAT 6237

MT= 62 (n,n') Level

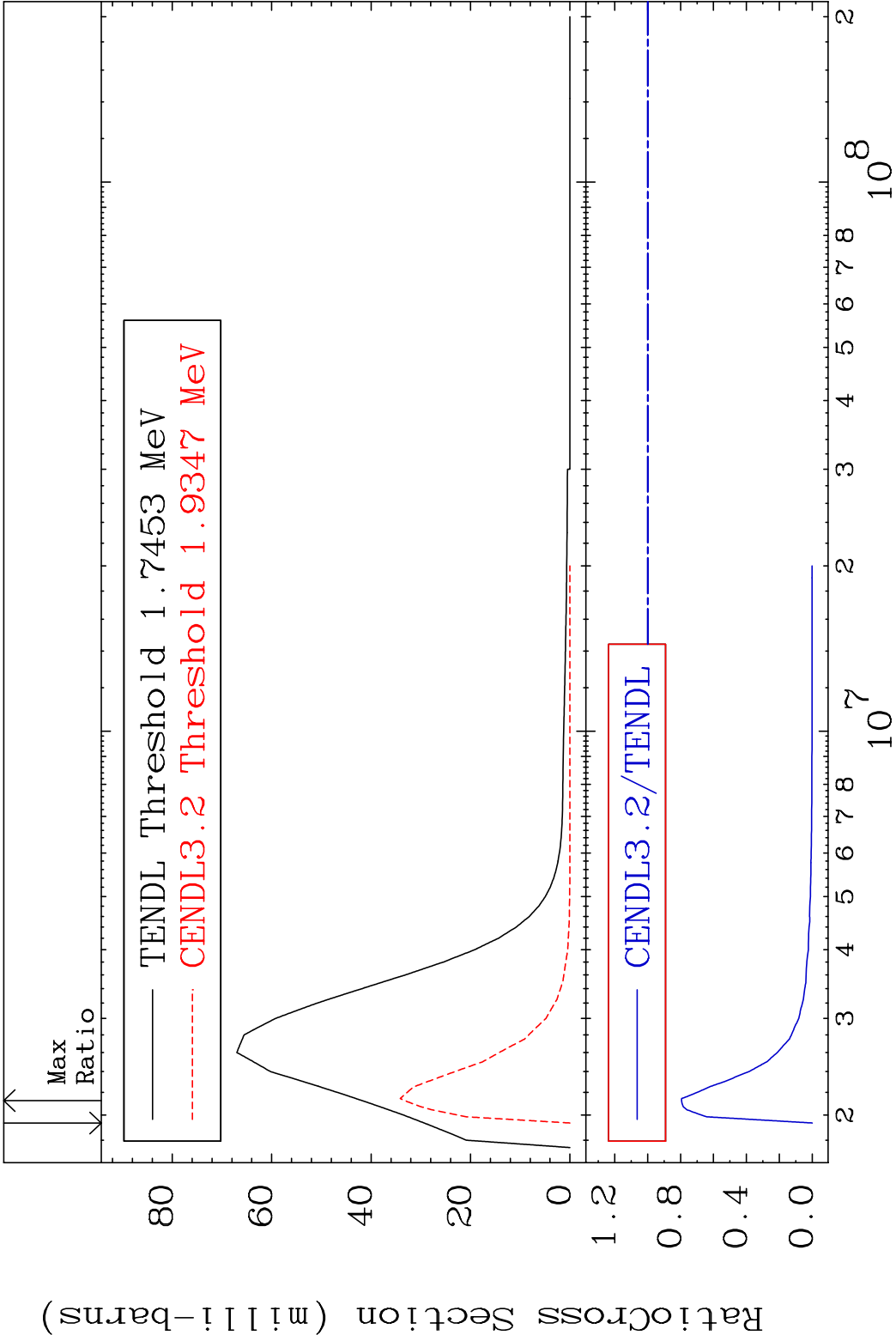
62-Sm-148

Cross Section

-100.0 To -93.68%

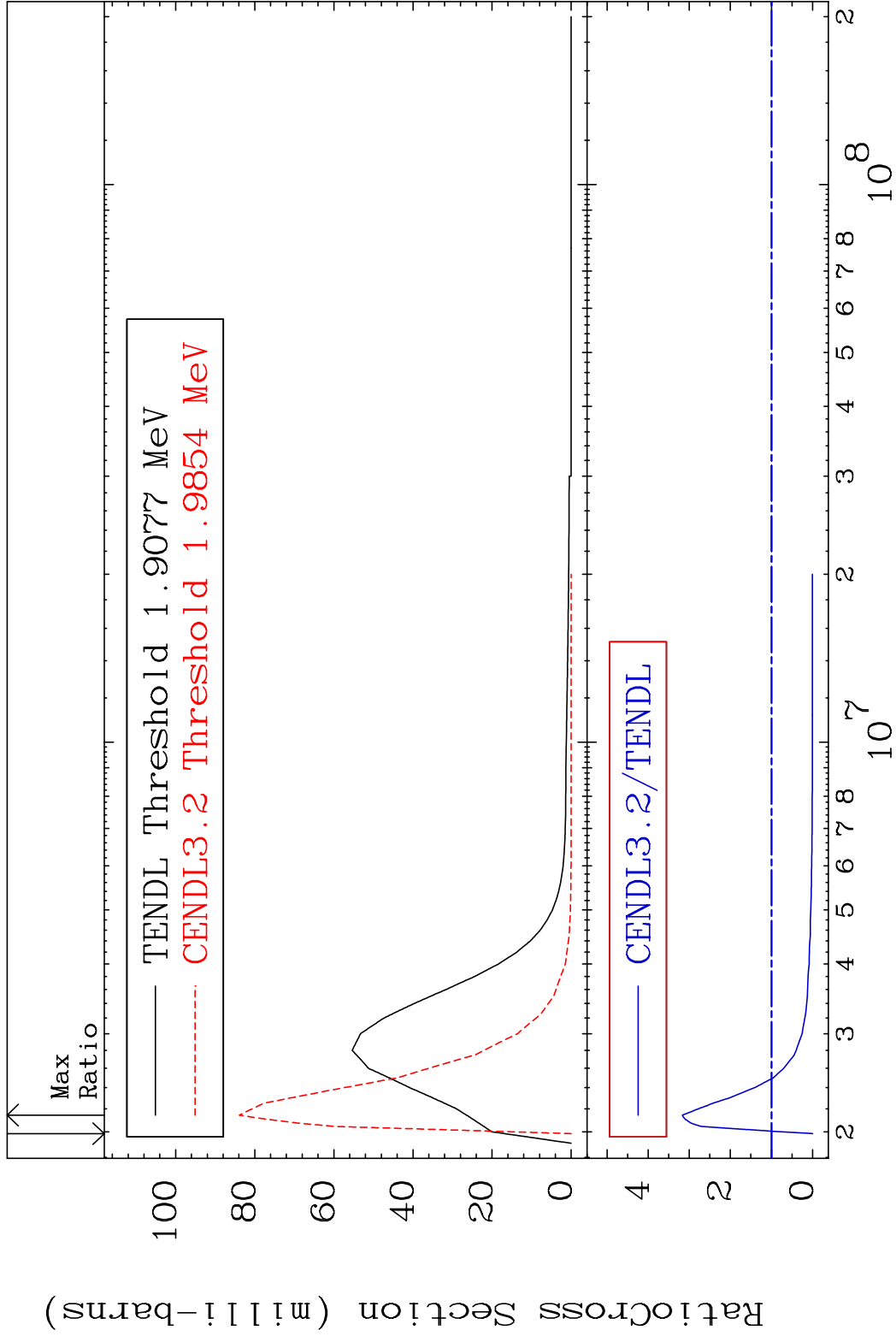


MAT 6237 MT= 63 (n,n') Level 62-Sm-148
Cross Section -100.0 To -20.58%



20 Incident Energy (eV) 62-Sm-148

MAT 6237 MT= 64 (n,n') Level 62-Sm-148
Cross Section -100.0 To 216.8 %



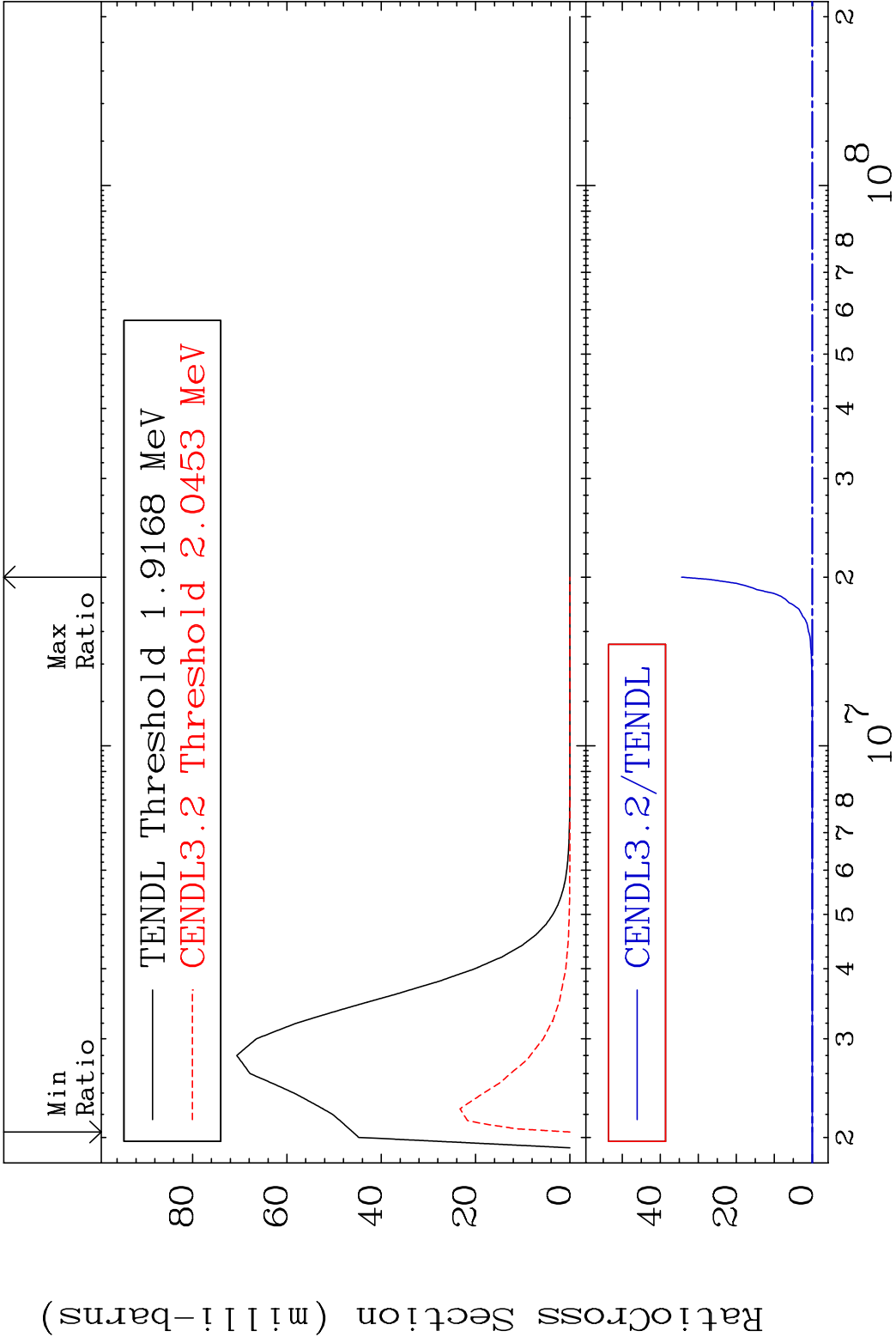
MAT 6237

MT= 65 (n,n') Level

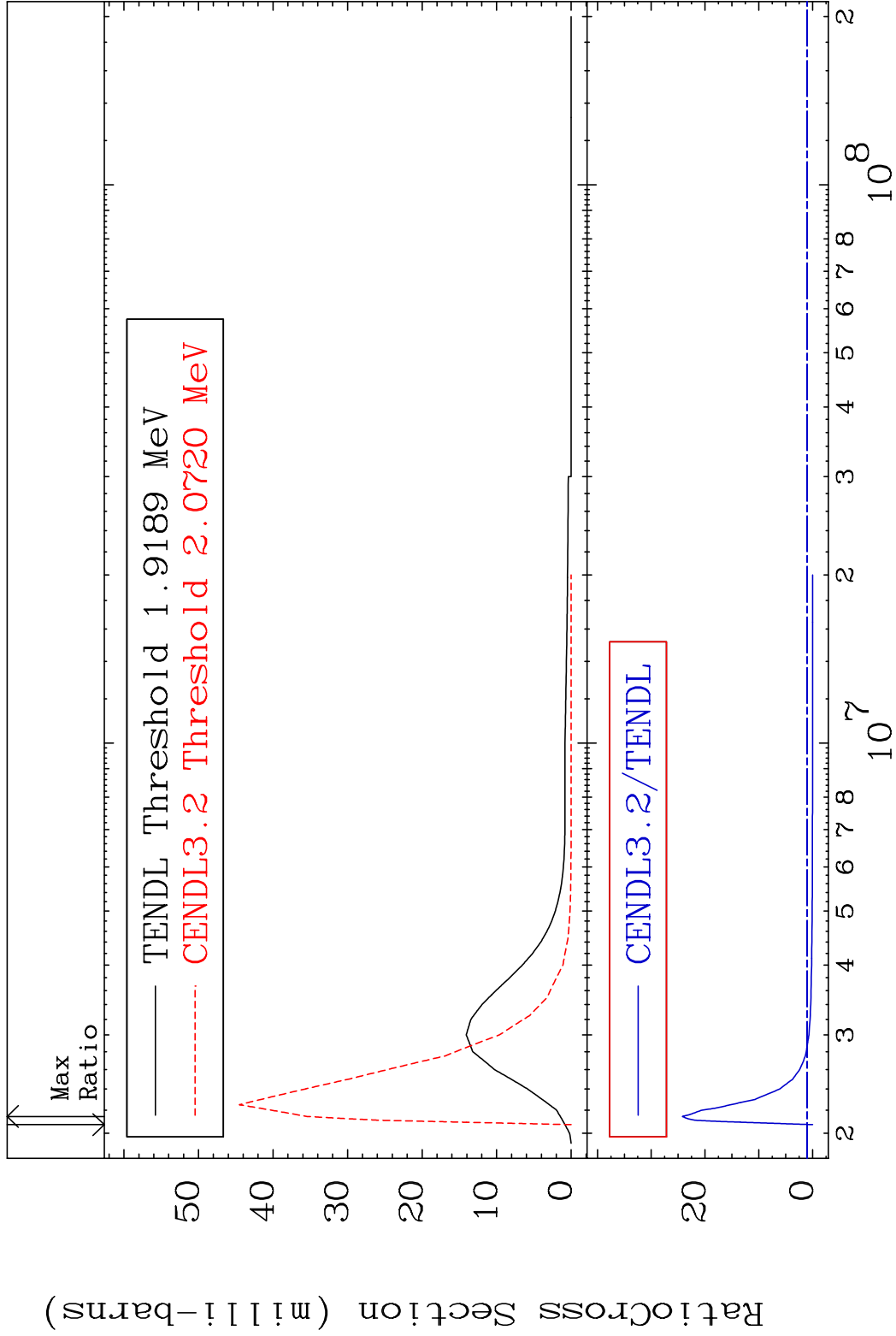
62-Sm-148

Cross Section

-100.0 To 9999. %



MAT 6237 MT= 66 (n,n') Level 62-Sm-148
Cross Section -100.0 To 2321. %



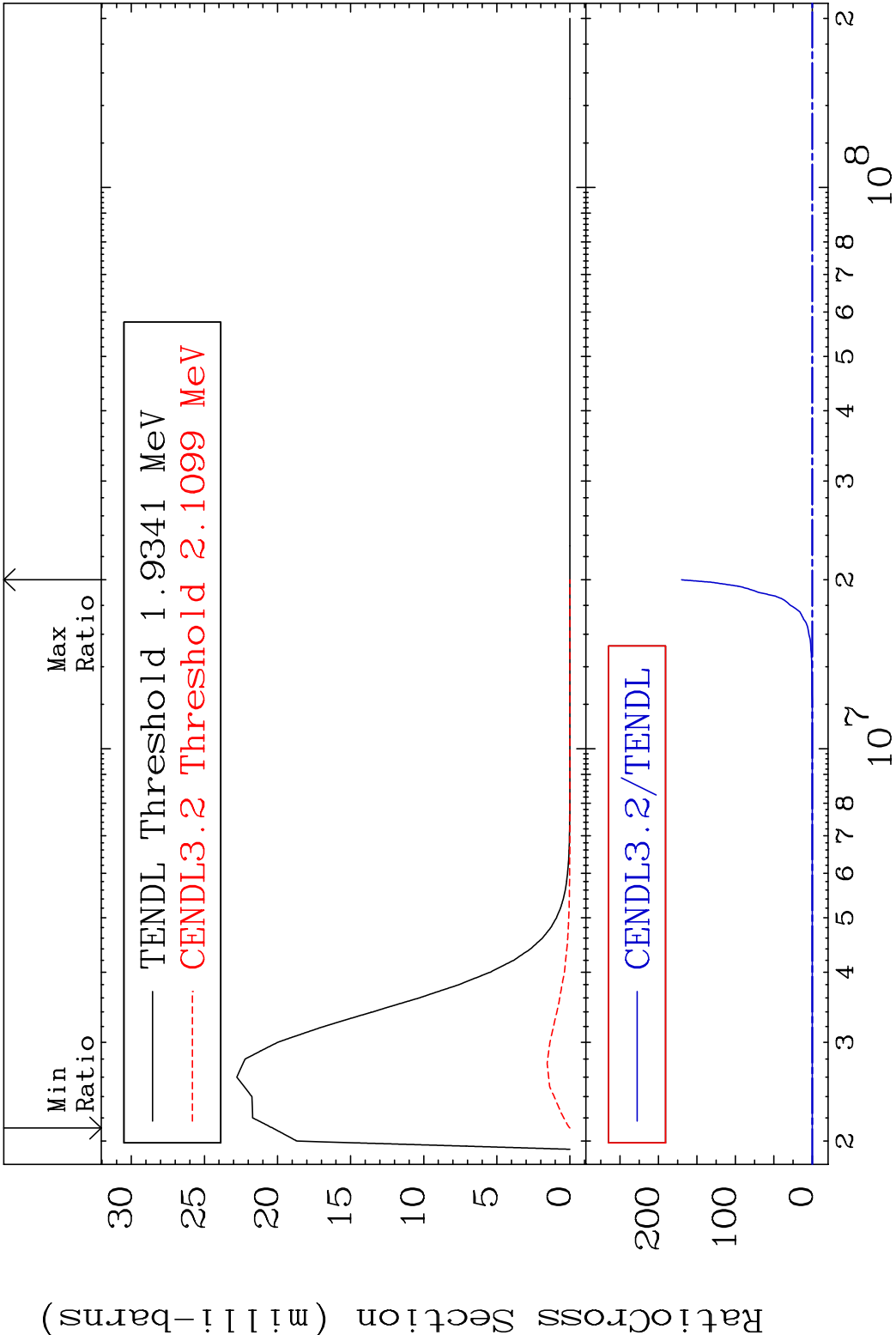
MAT 6237

MT= 67 (n,n') Level

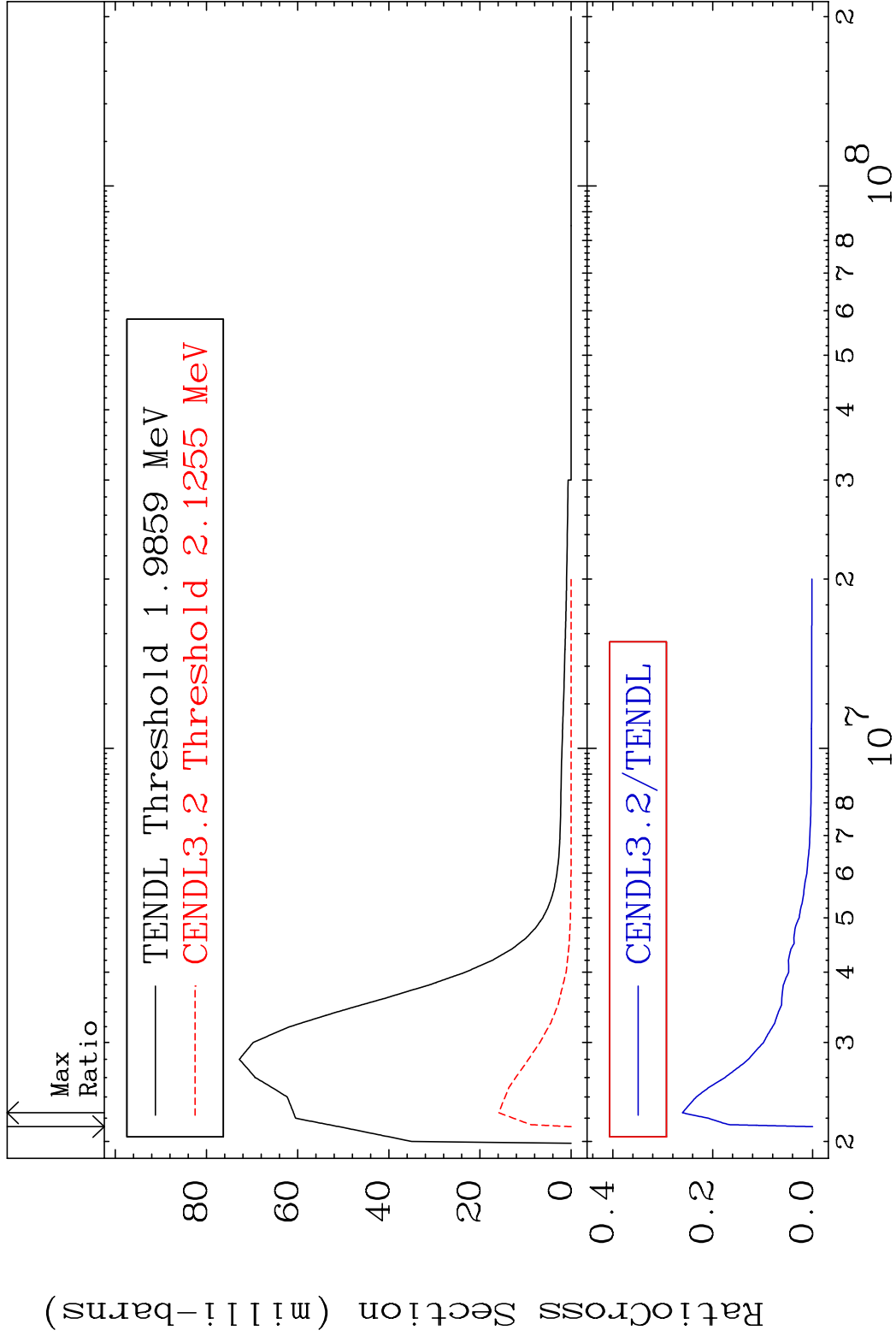
62-Sm-148

Cross Section

-100.0 To 9999. %



MAT 6237 MT= 68 (n,n') Level 62-Sm-148
Cross Section -100.0 To -73.92%



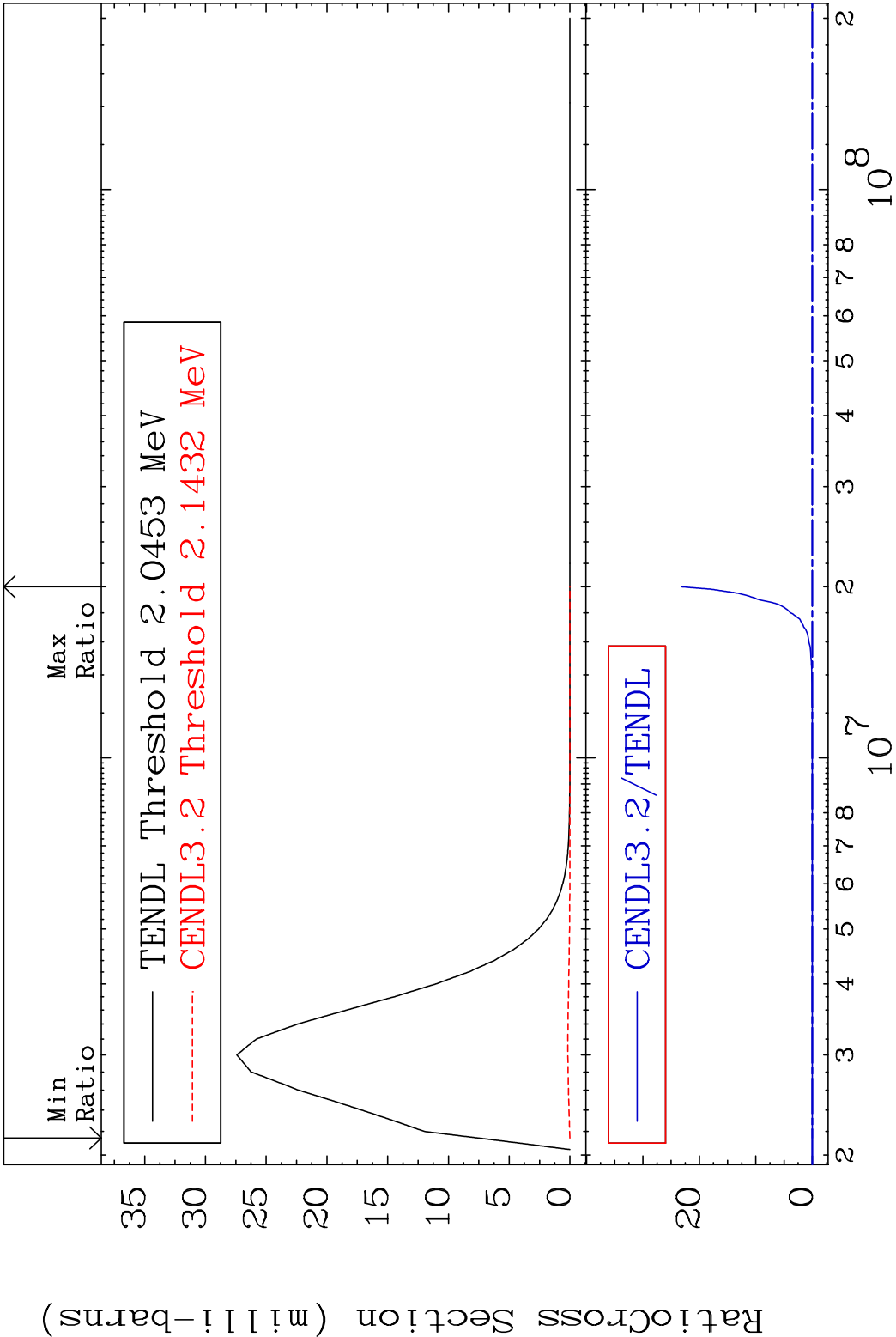
MAT 6237

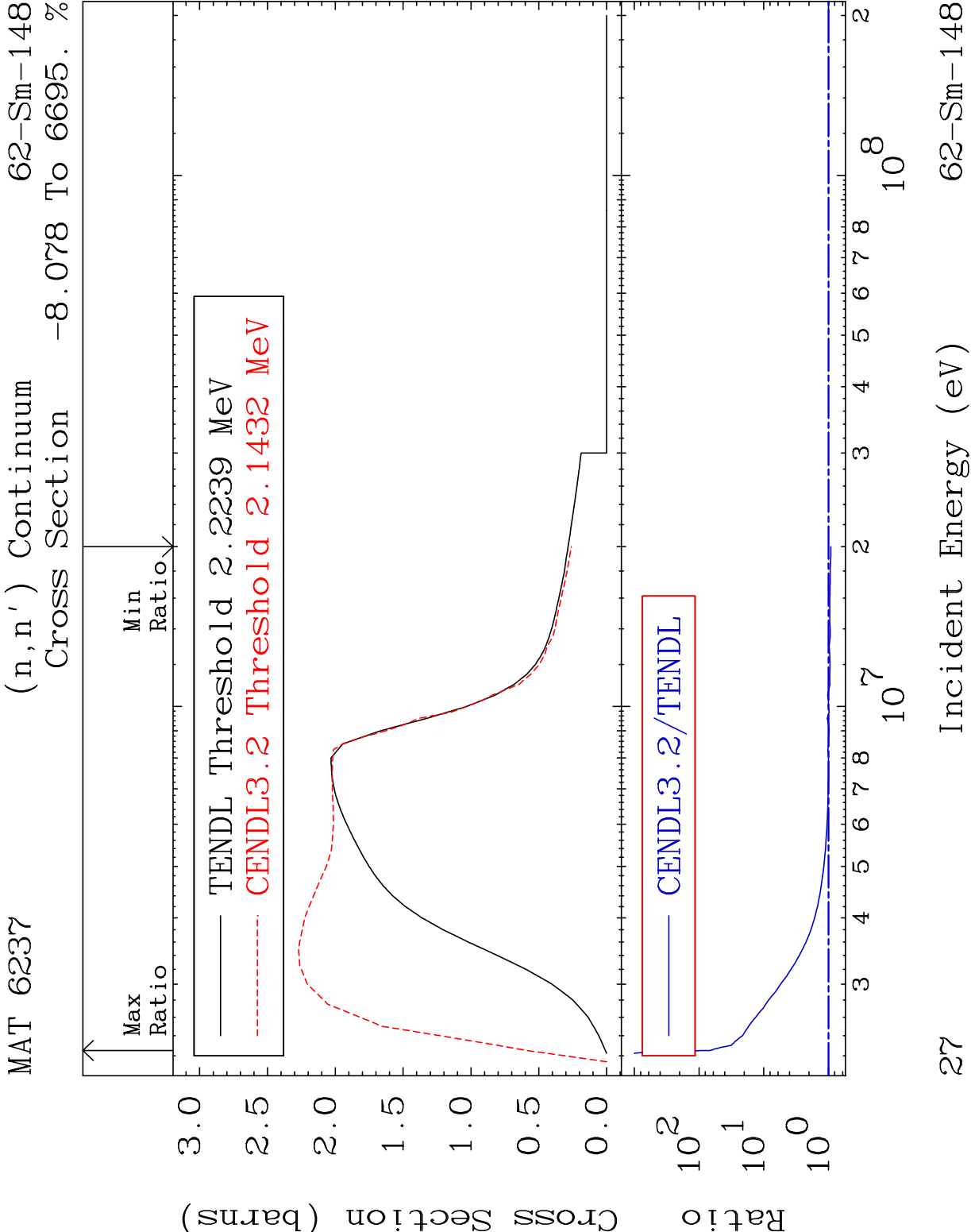
MT= 69 (n,n') Level

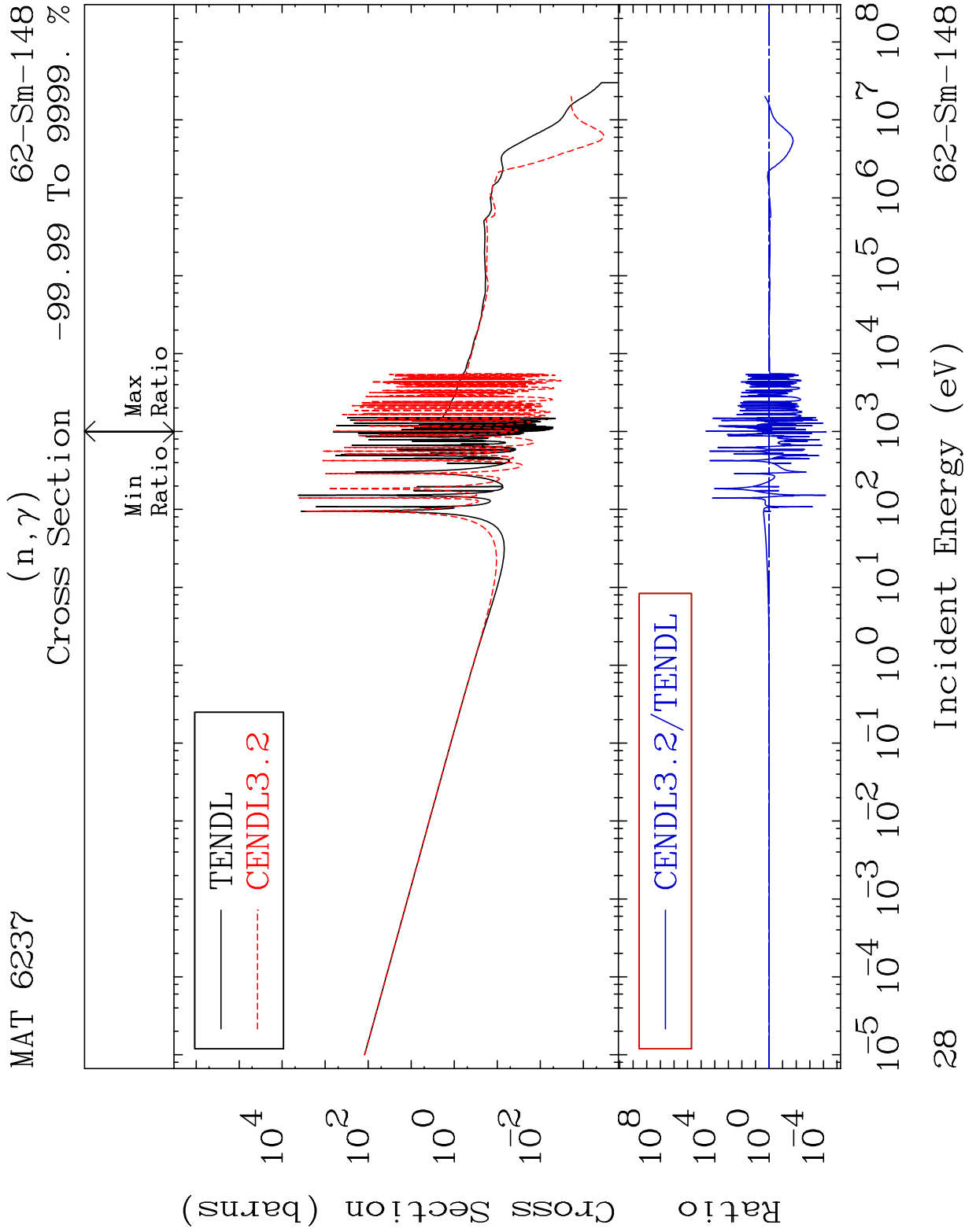
62-Sm-148

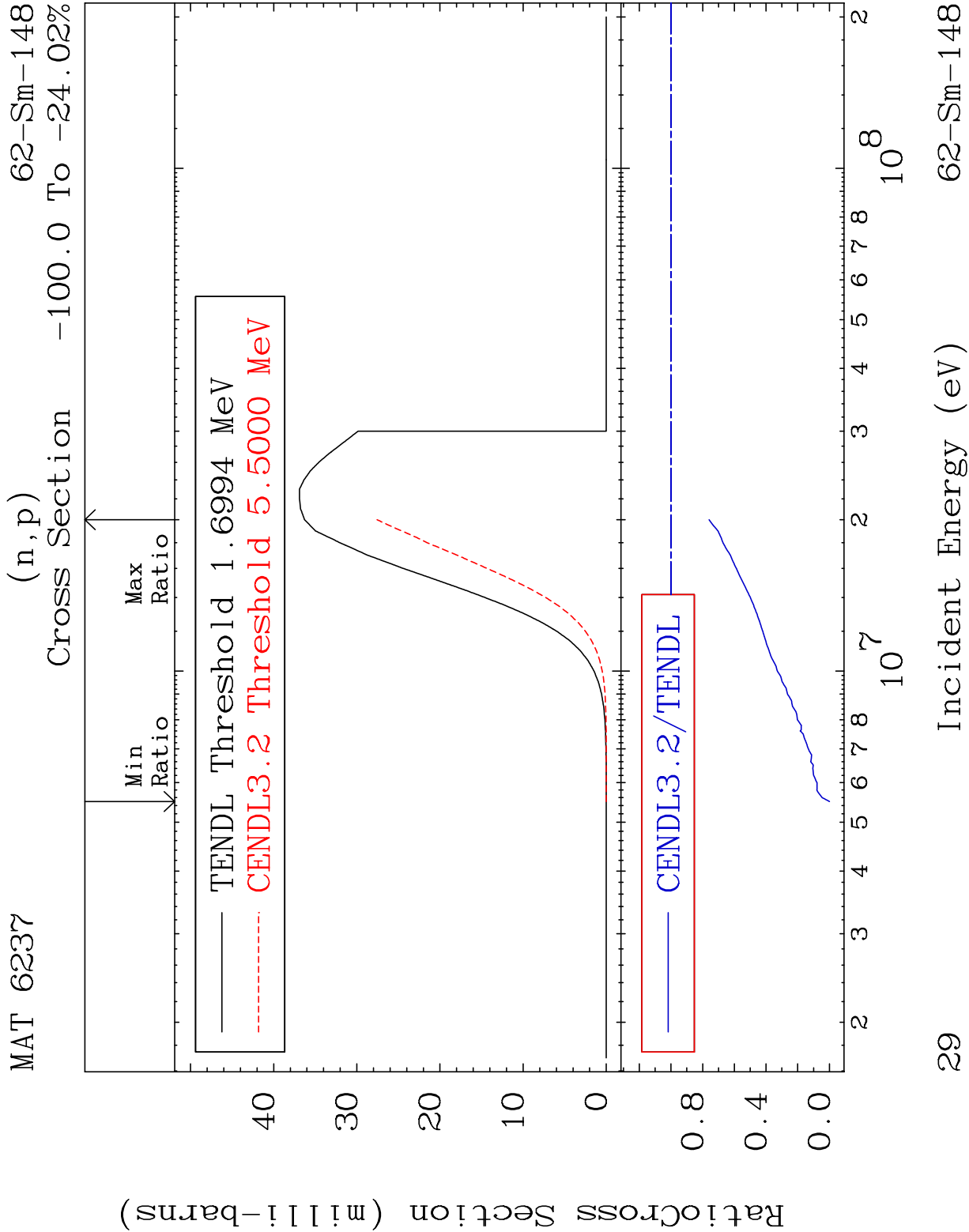
Cross Section

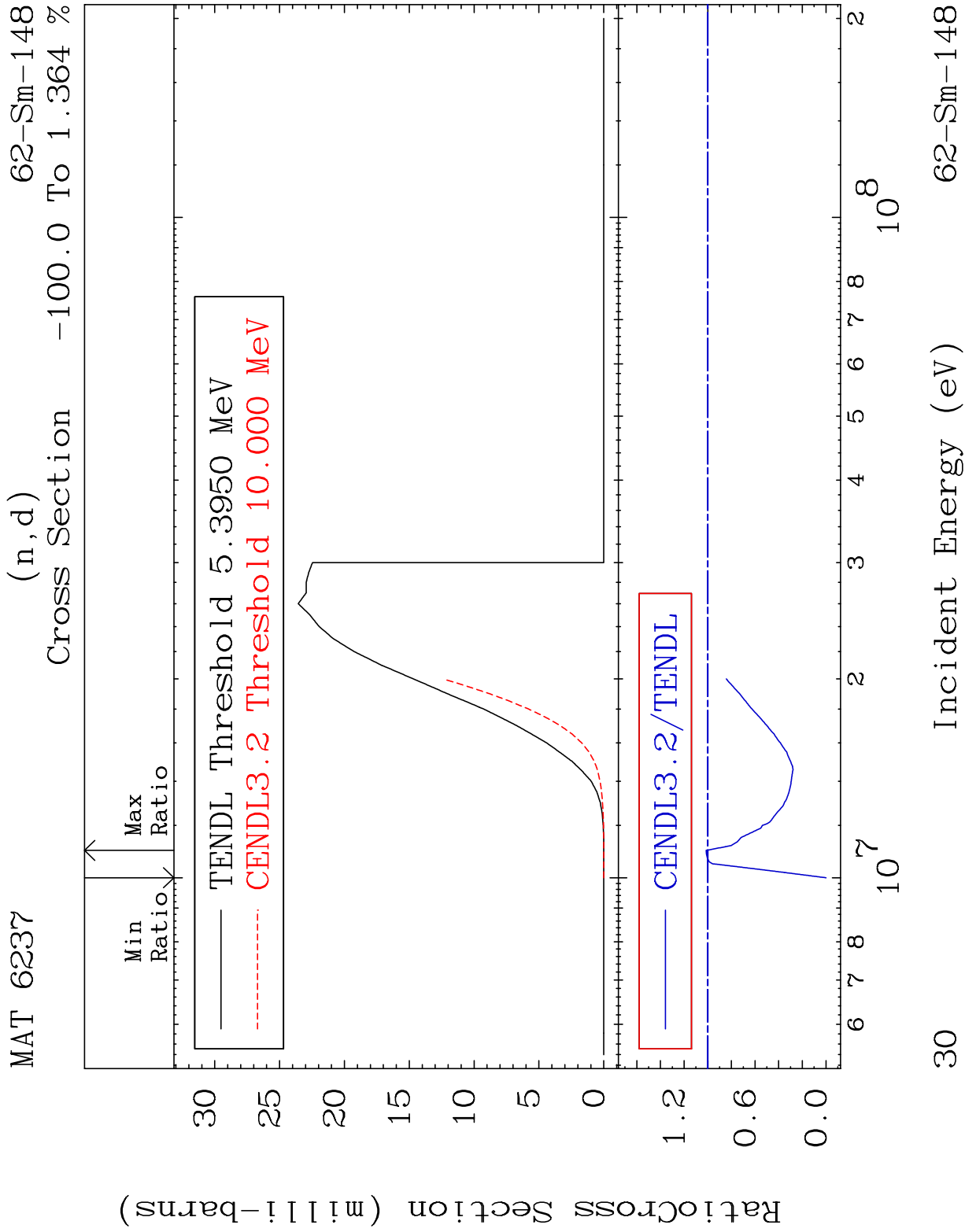
-100.0 To 9999. %

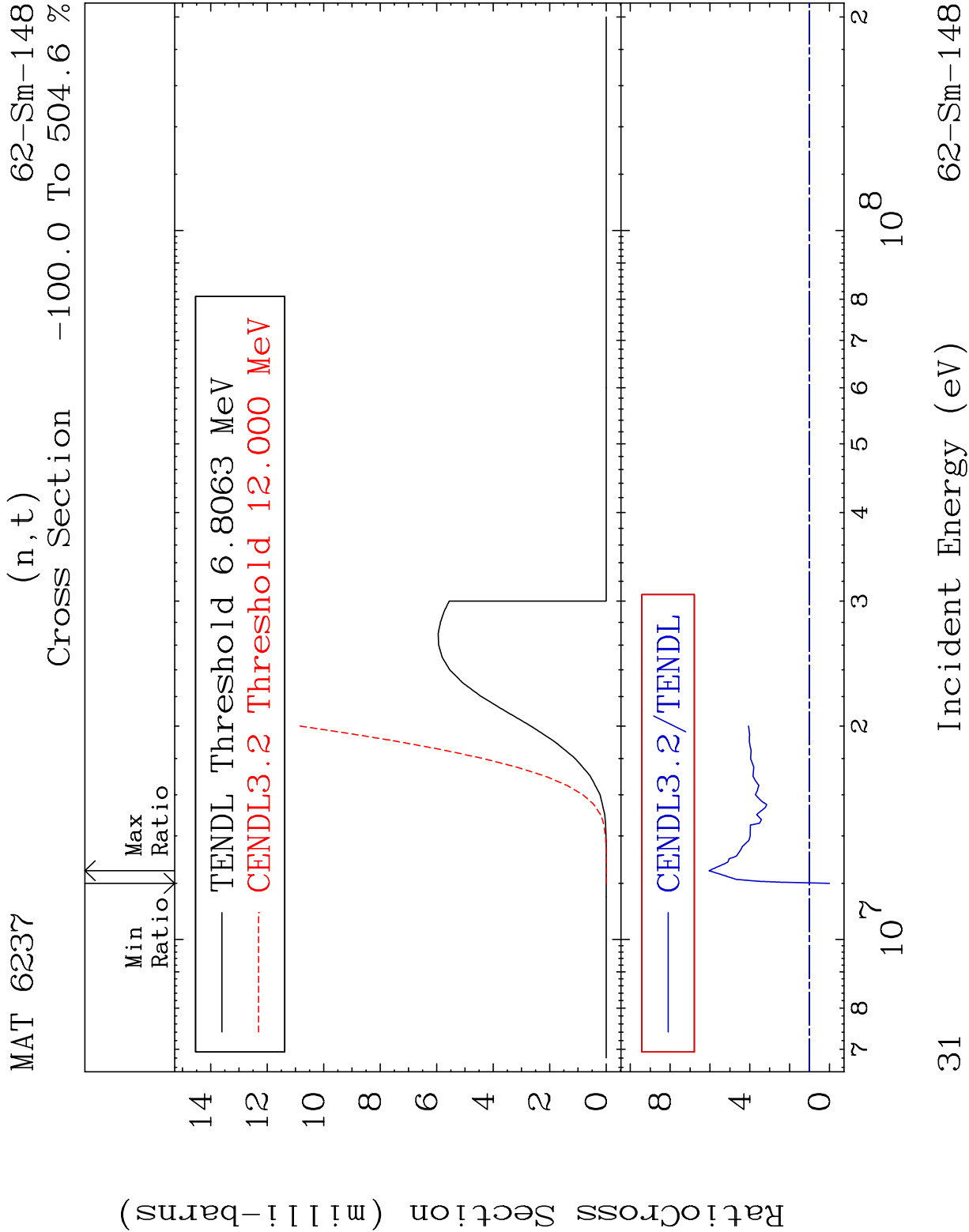


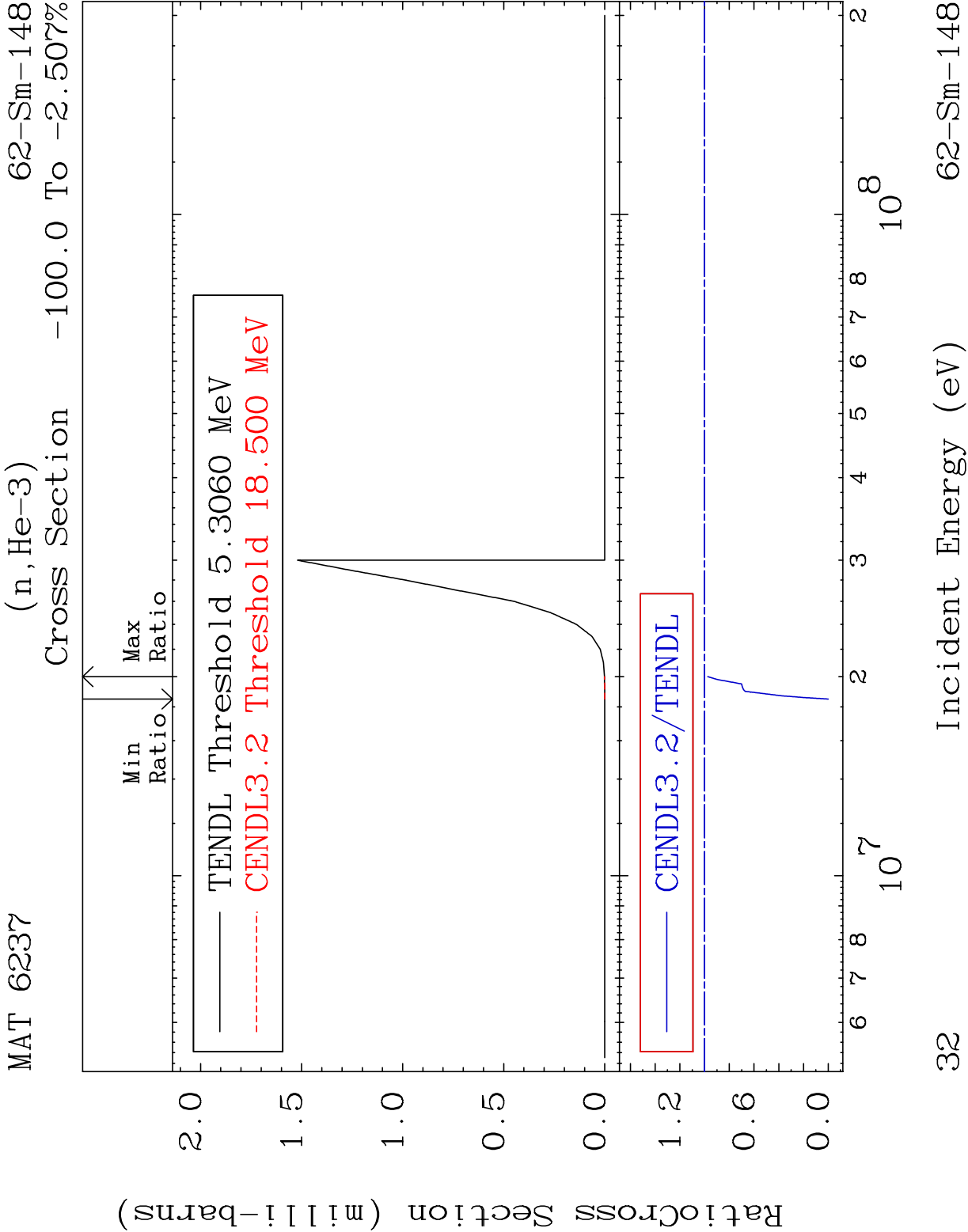








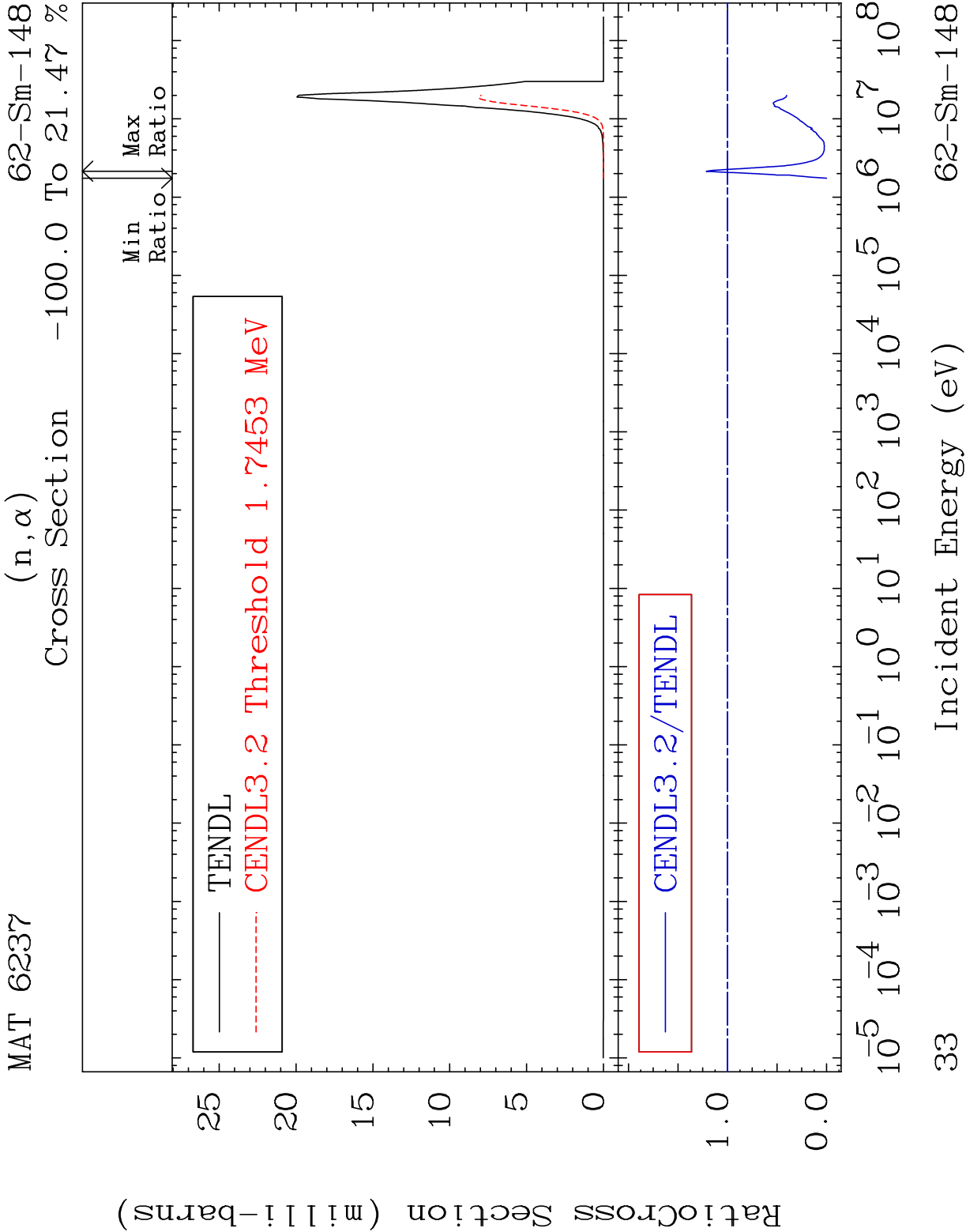


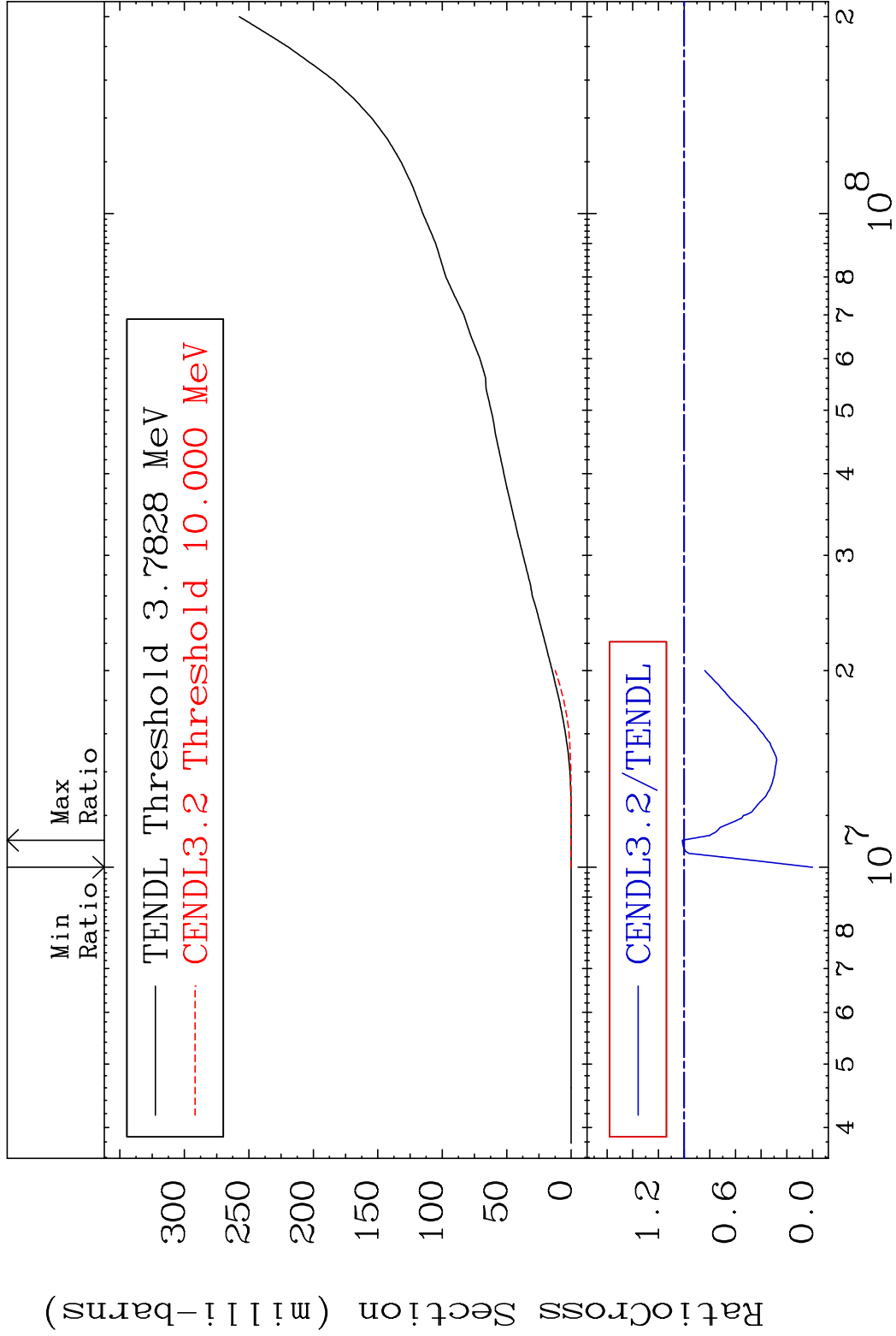


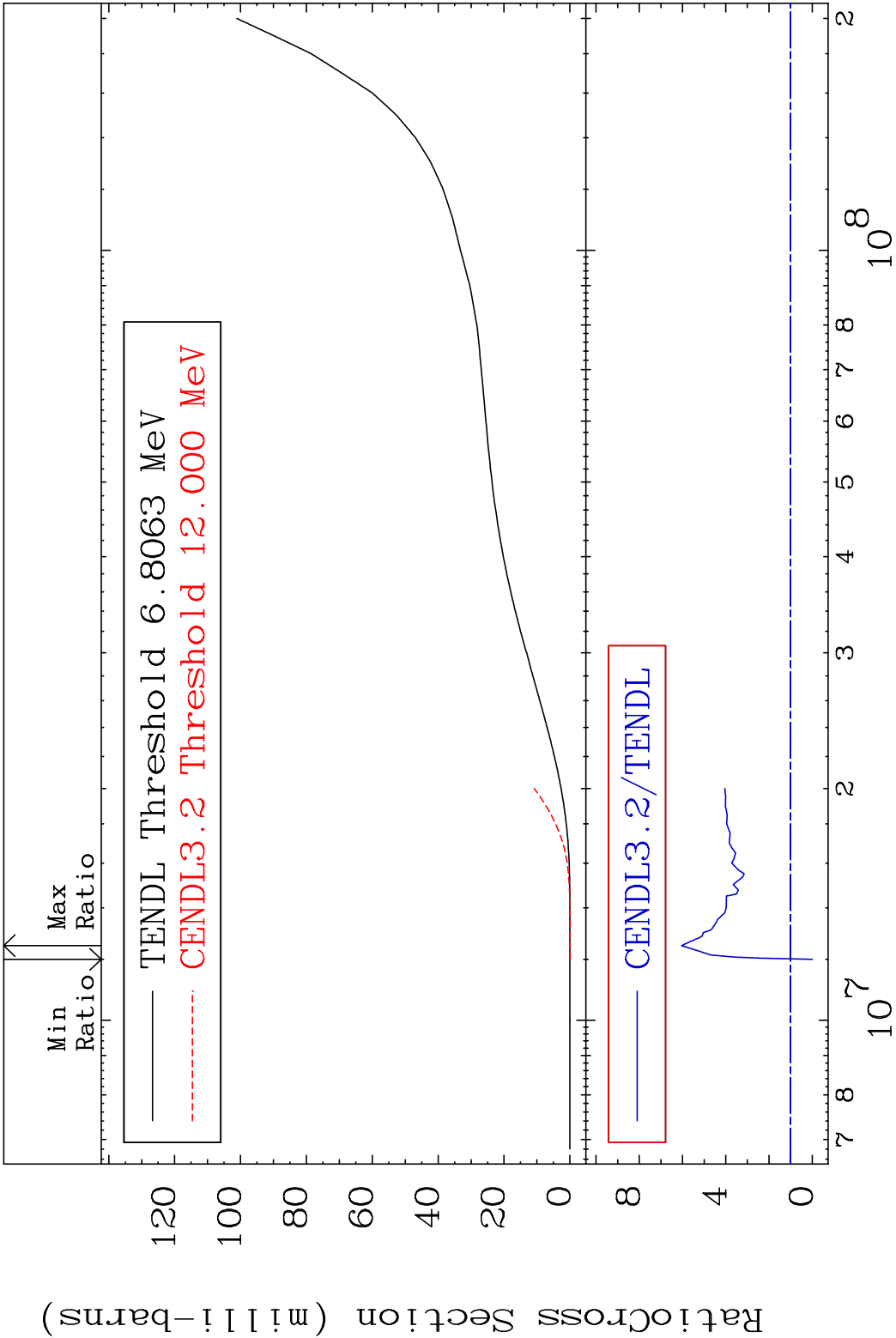
32

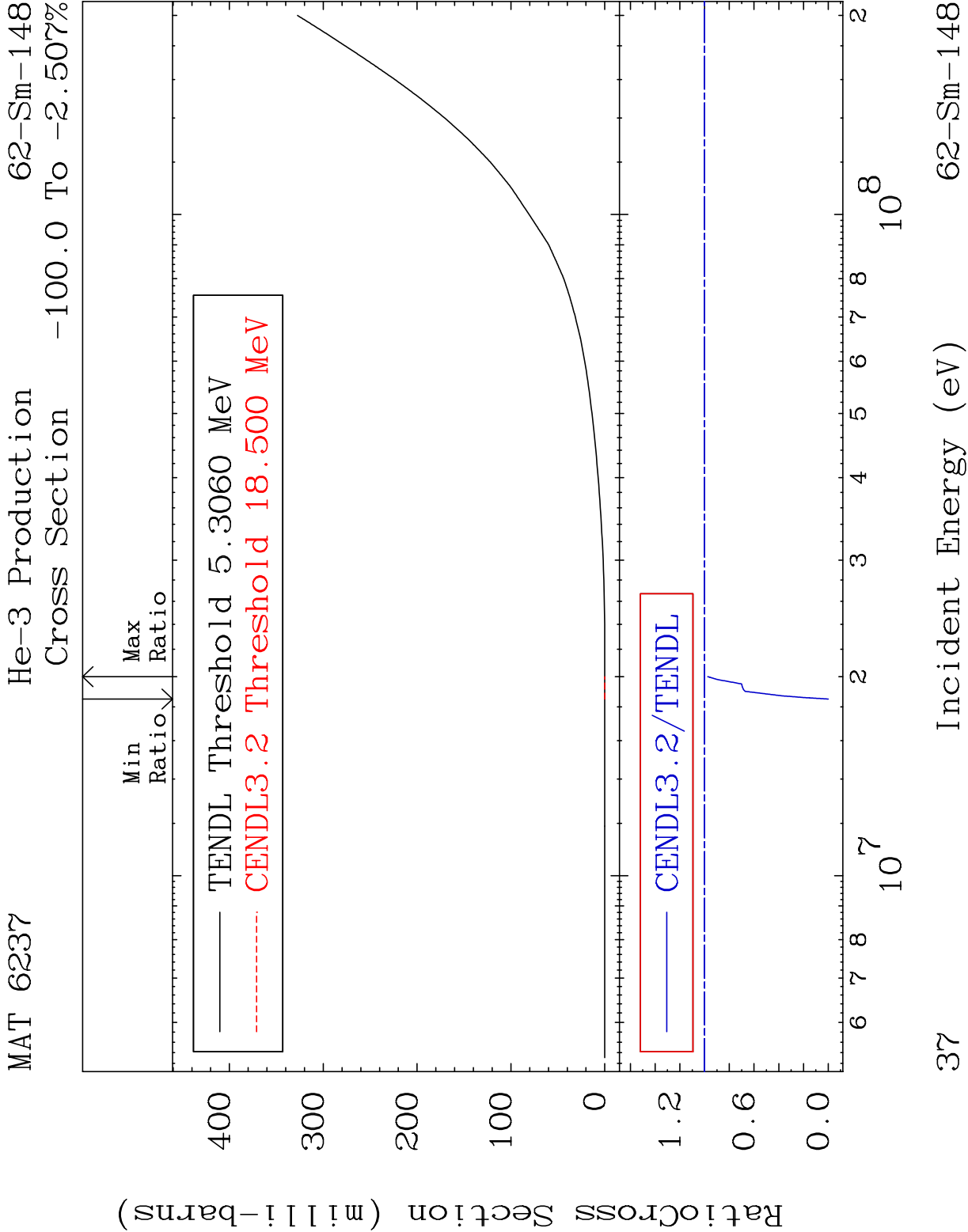
Incident Energy (eV)

62-Sm-148





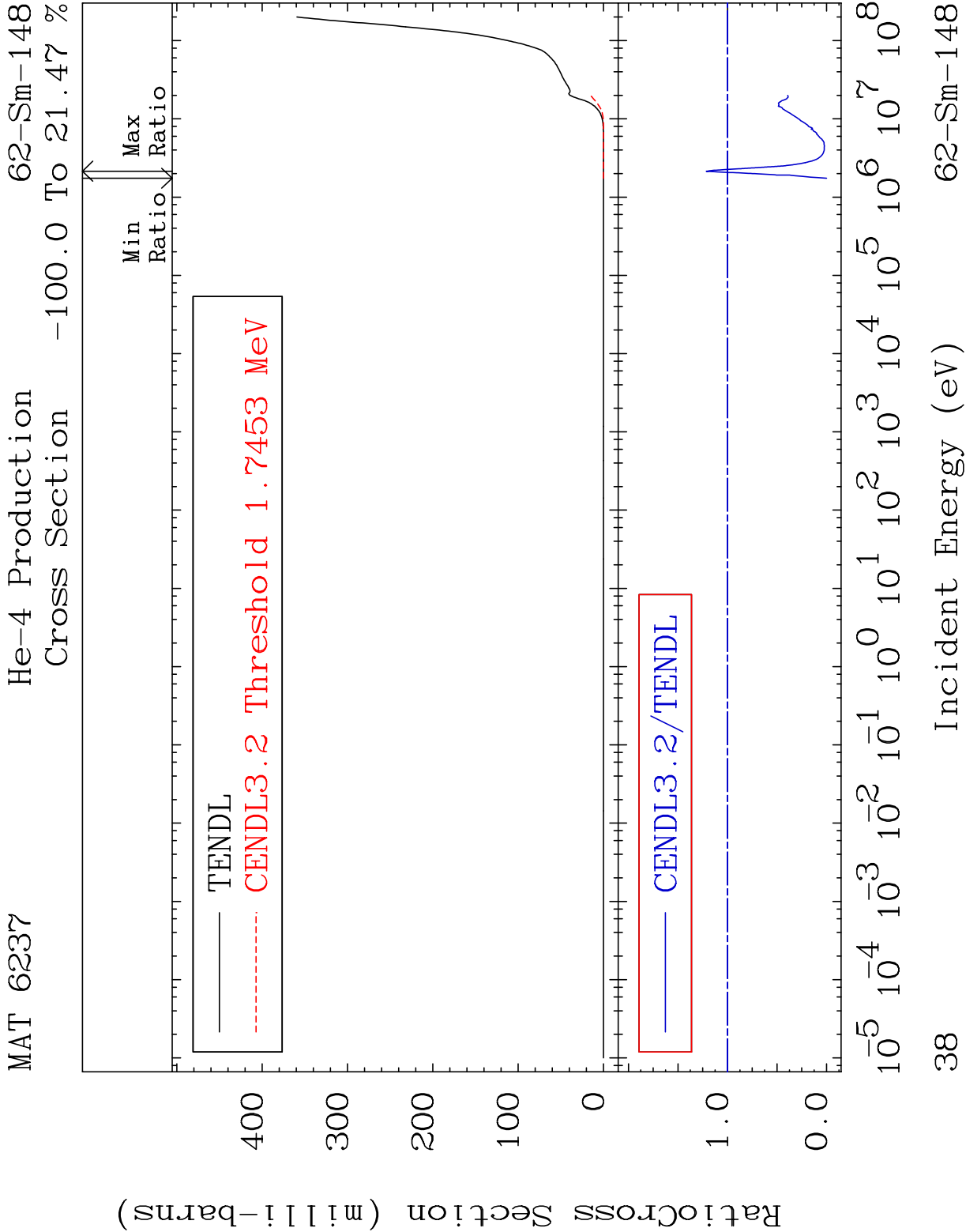




37

Incident Energy (eV)

62-Sm-148



MAT 6237

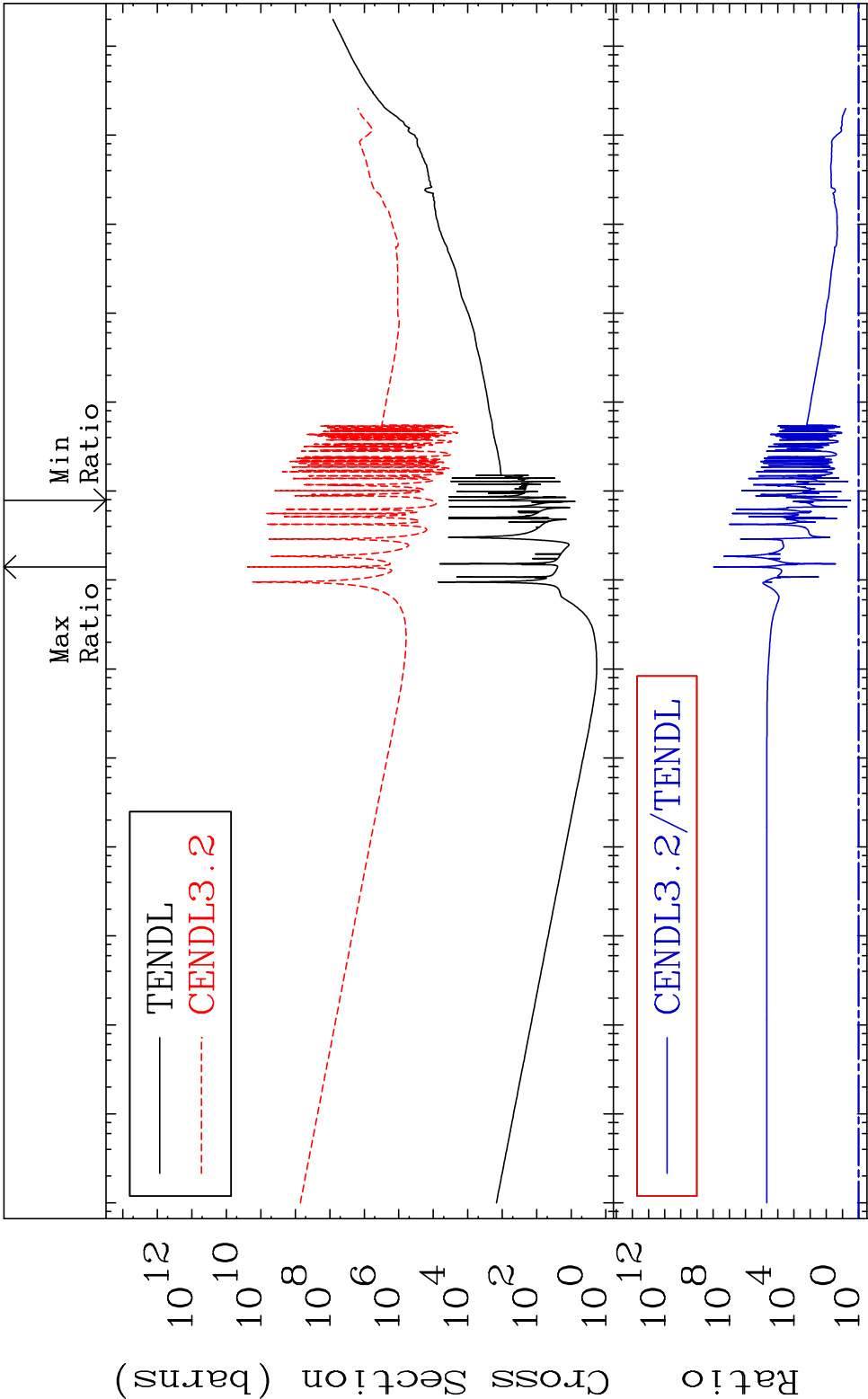
Kerma total (eV-barns)

62-Sm-148

Cross Section

221.9

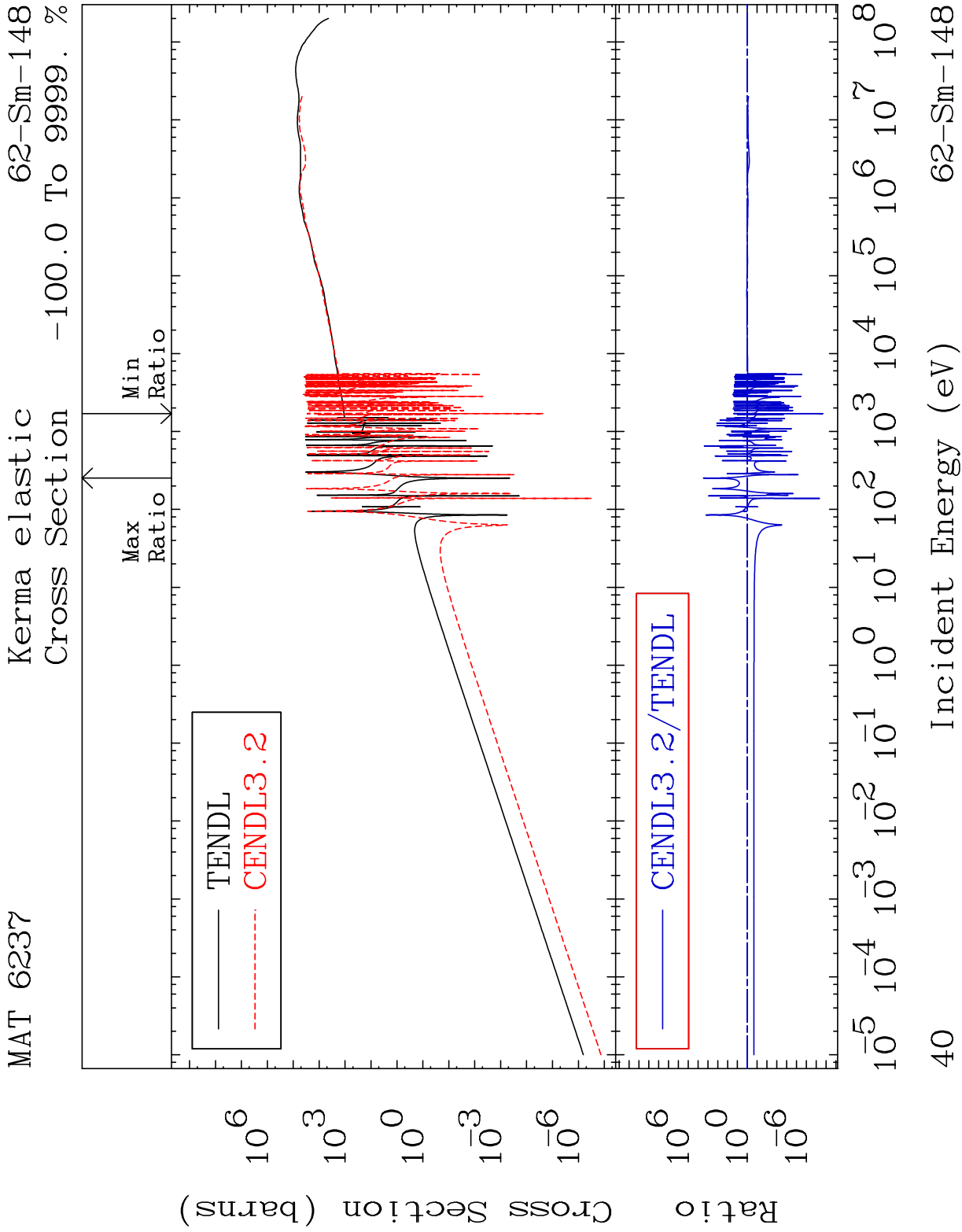
To 9999. %



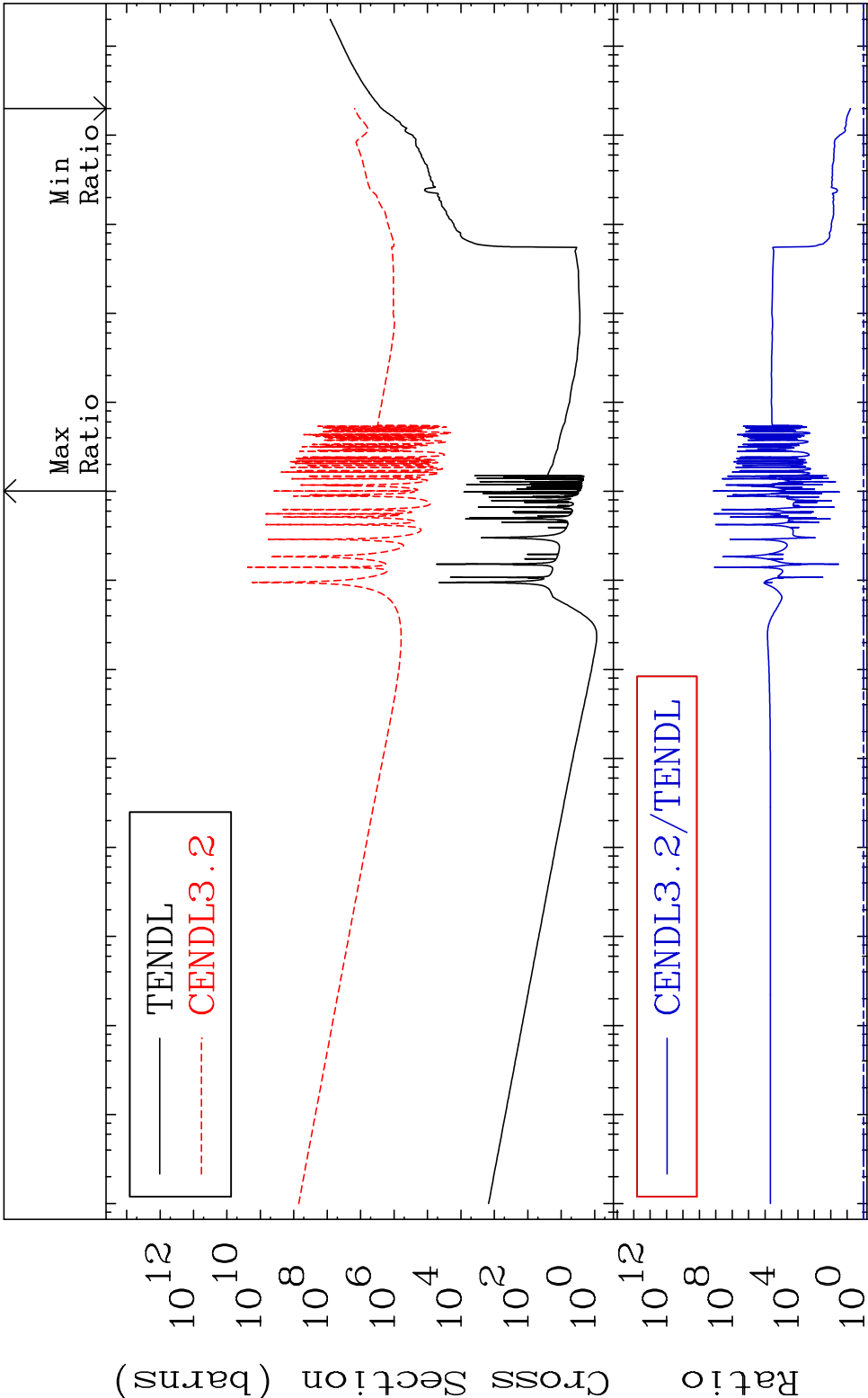
39

Incident Energy (eV)

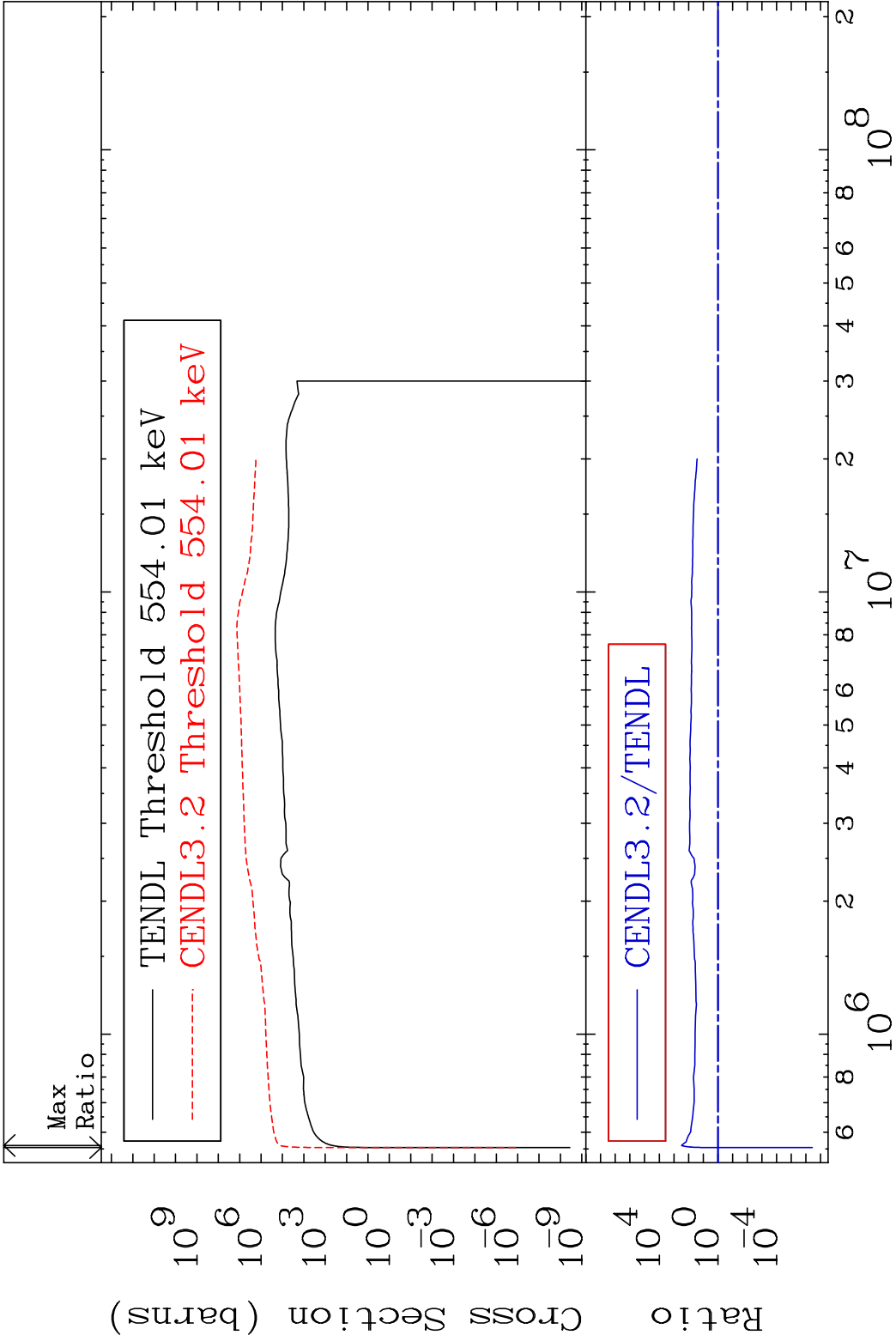
62-Sm-148



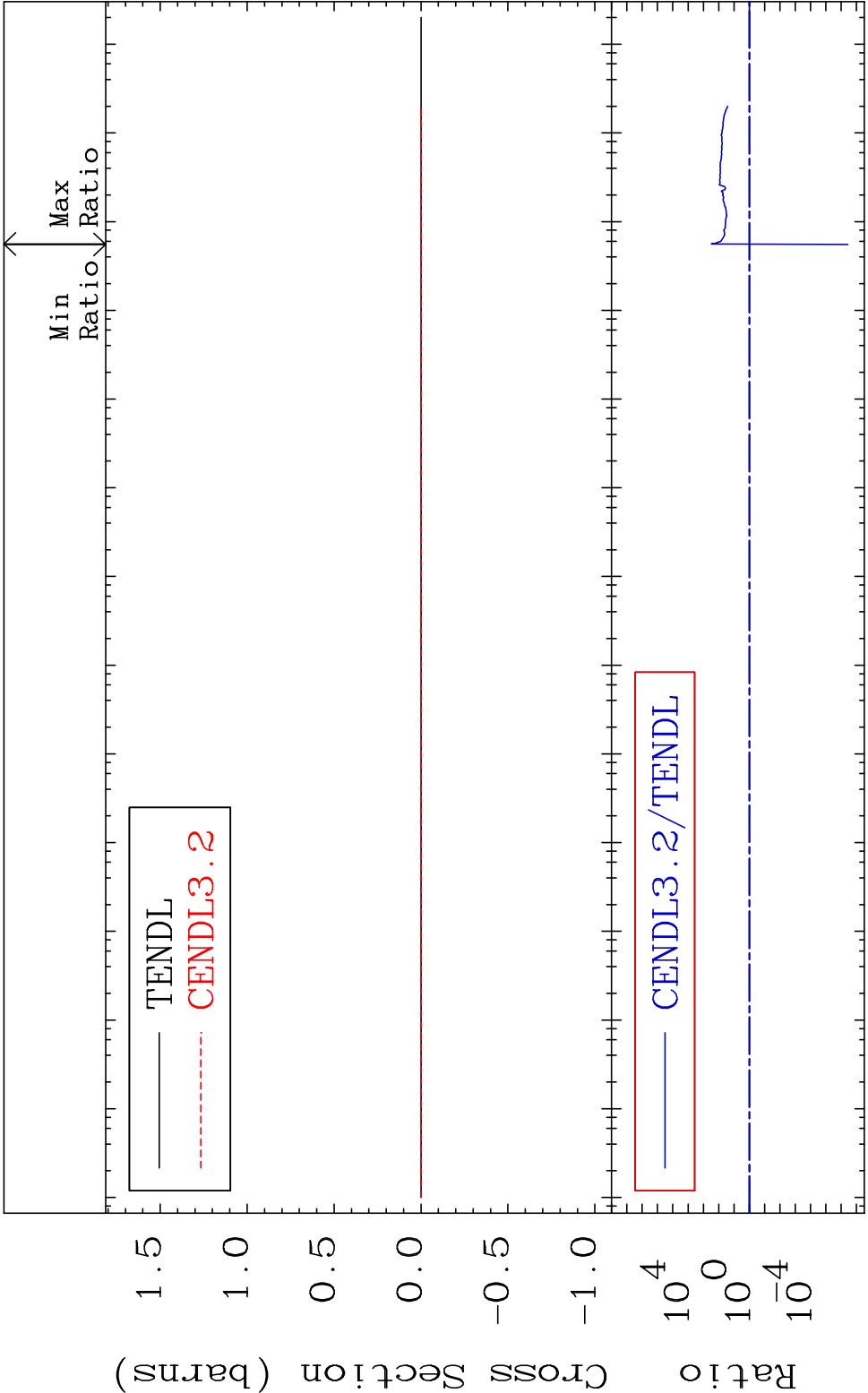
MAT 6237 Kerma non-elastic (all but mt2) 62-Sm-148
 Cross Section 539.4 To 9999. %



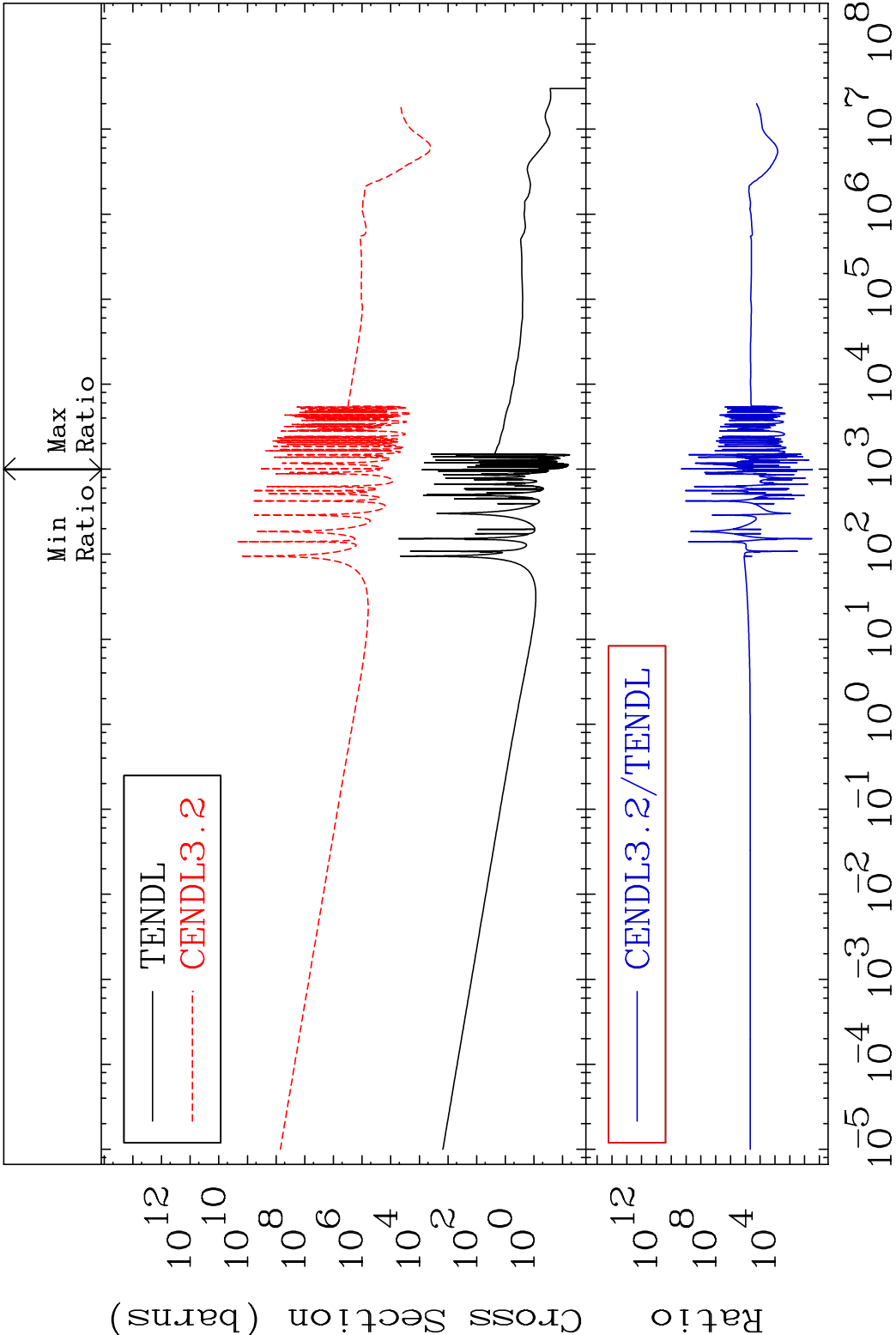
41 Incident Energy (eV) 62-Sm-148



MAT 6237 Kerma fission (mt18 or mt19-20-21-38) 62-Sm-148
Cross Section -100.0 To 9999. %

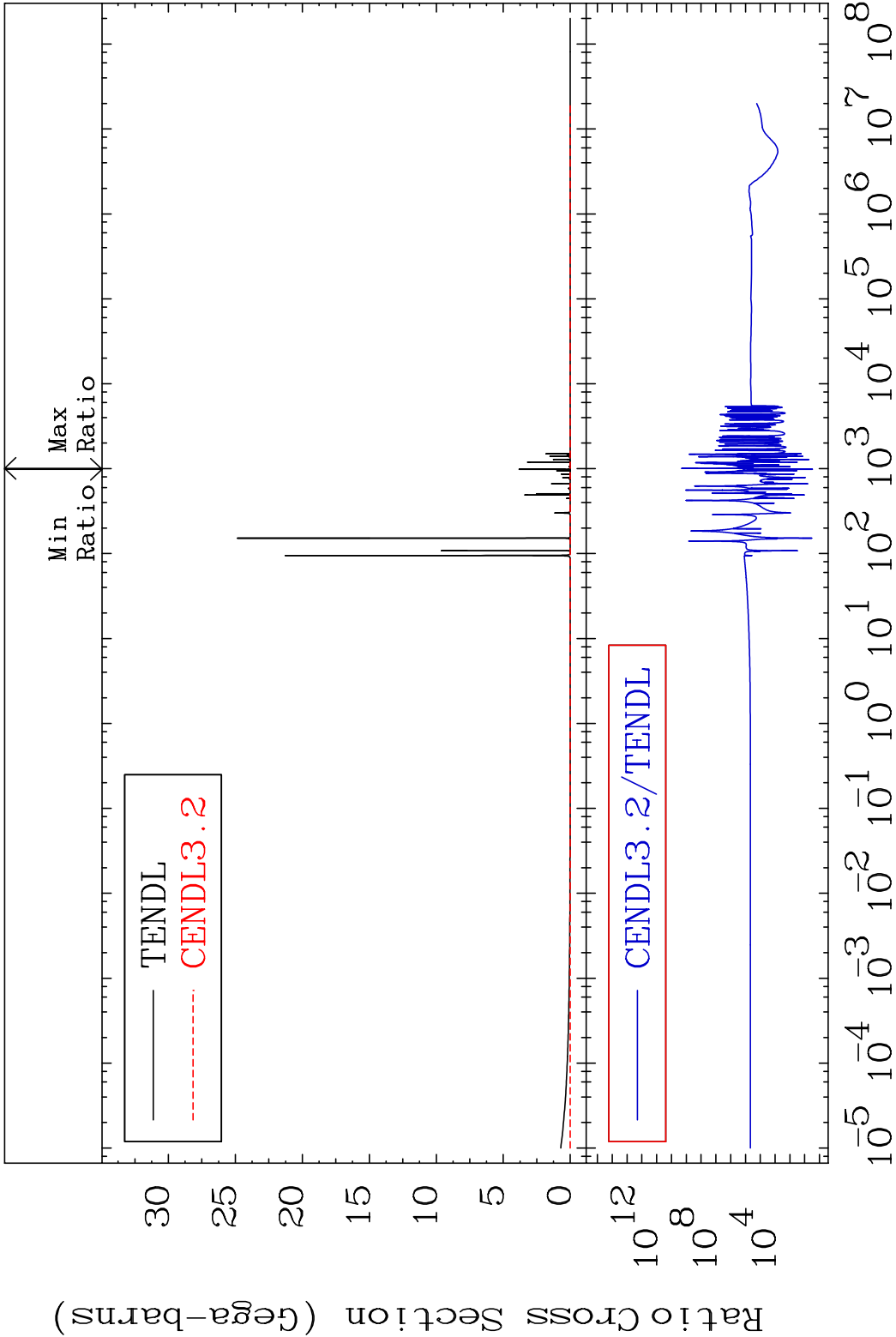


MAT 6237 Kerma capture (mt102) 62-Sm-148
 Cross Section 2954. To 9999. %



44 Incident Energy (eV) 62-Sm-148

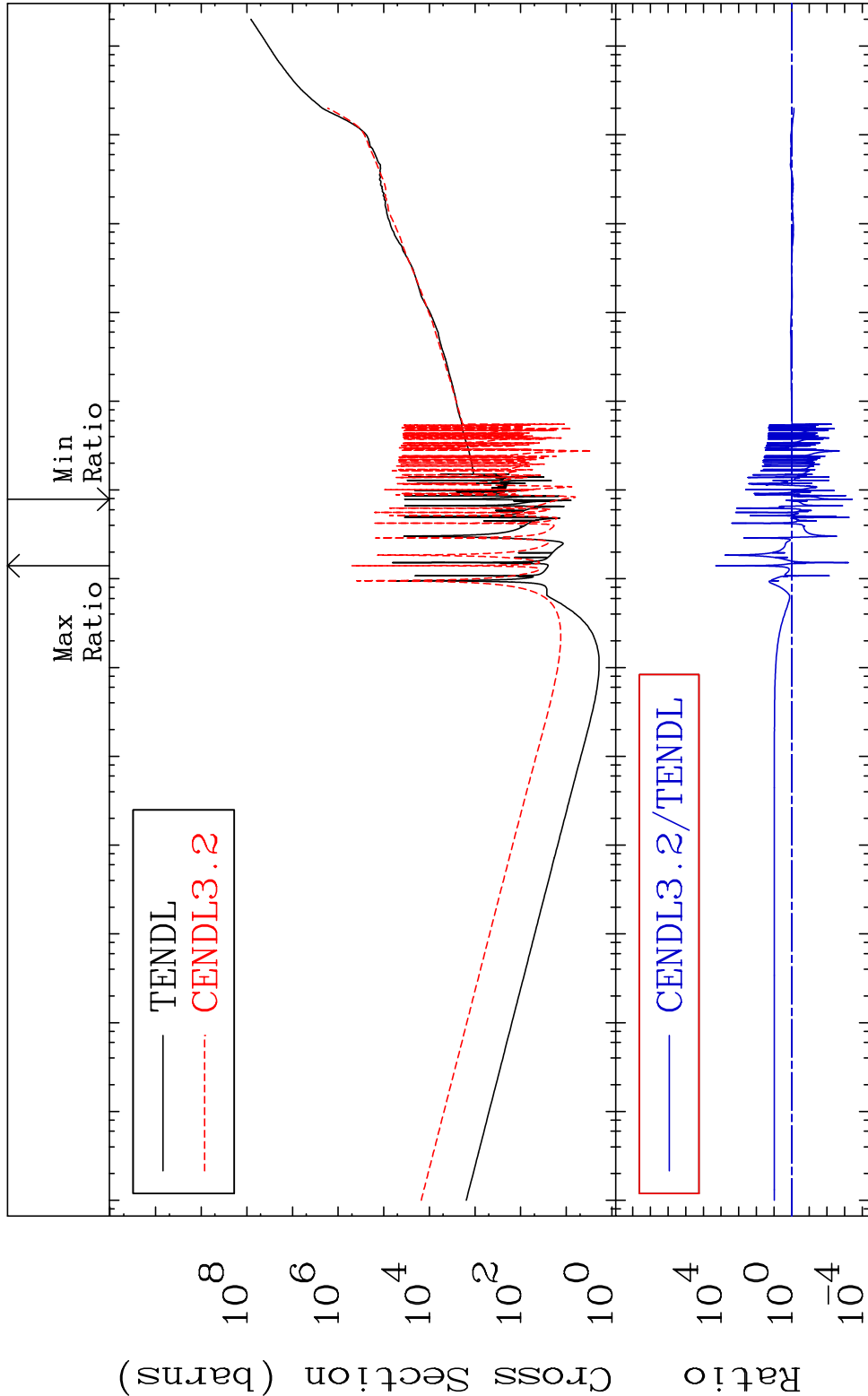
MAT 6237 Total photon (eV-barns) 62-Sm-148
Cross Section 2954. To 9999. %



45 Incident Energy (eV) 62-Sm-148

MAT 6237 Total kinematic kerma (high limit) 62-Sm-148

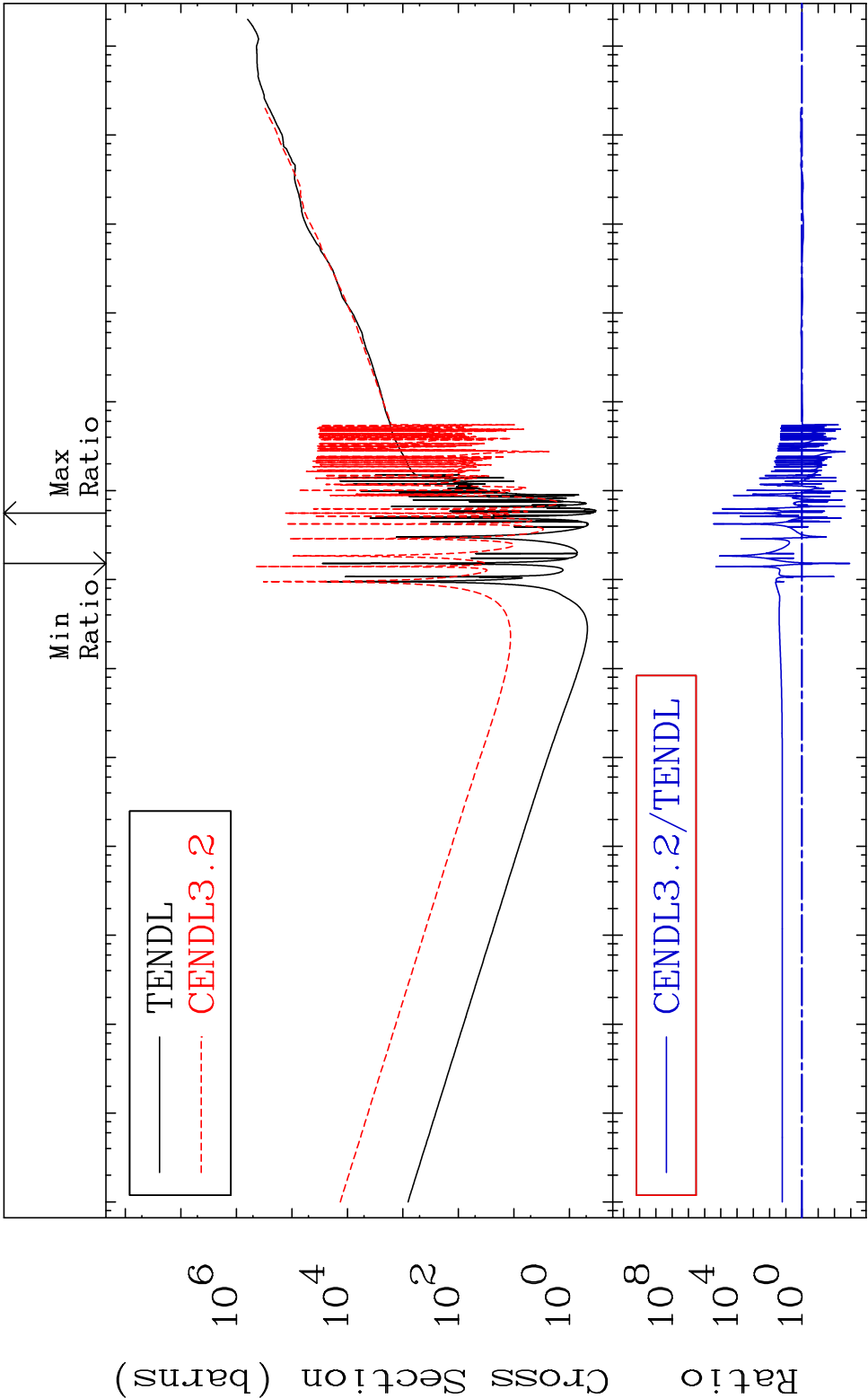
Cross Section -99.96 To 9999. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

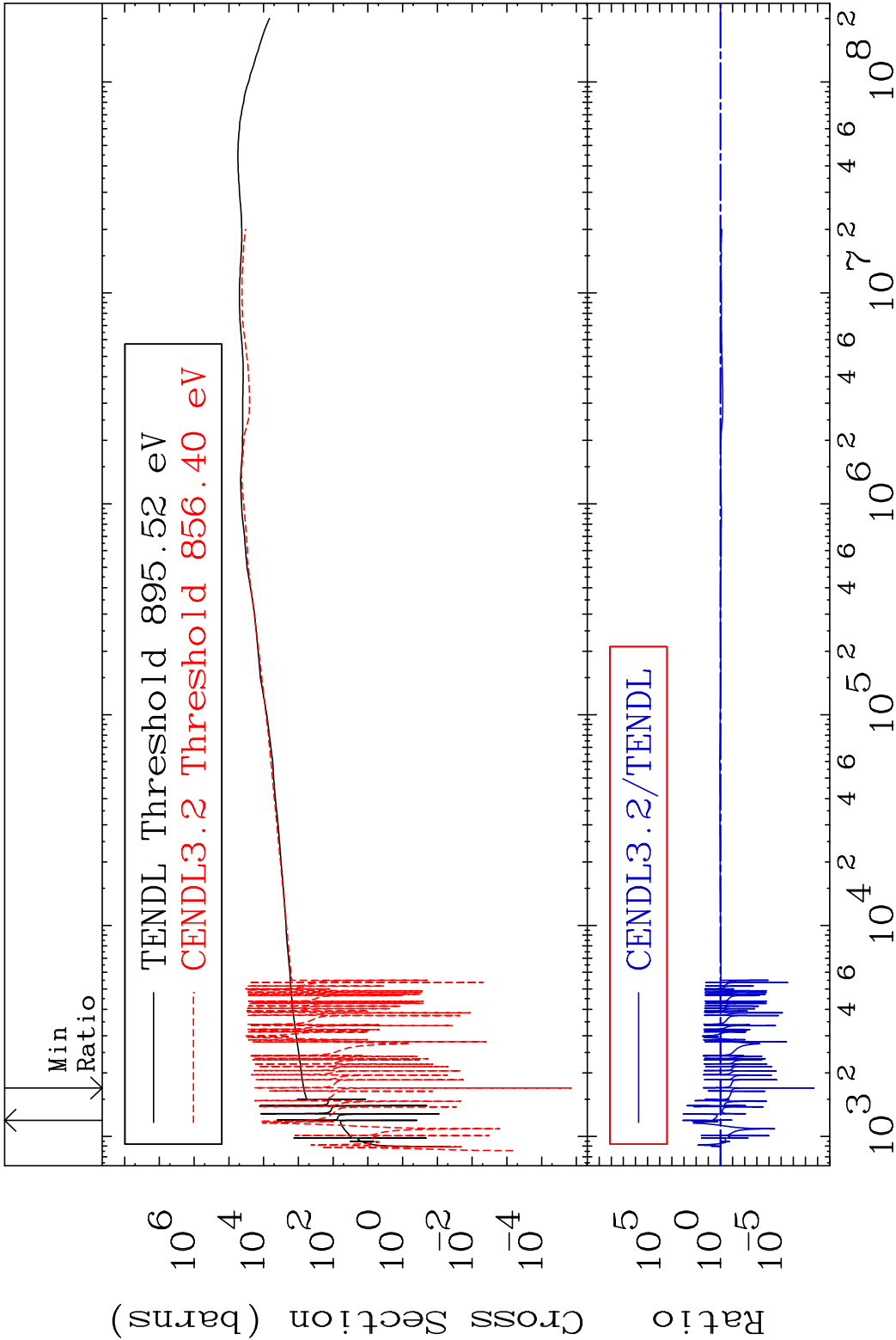
46 Incident Energy (eV) 62-Sm-148

MAT 6237 Dpa total (eV-barns) 62-Sm-148
Cross Section -99.88 To 9999. %

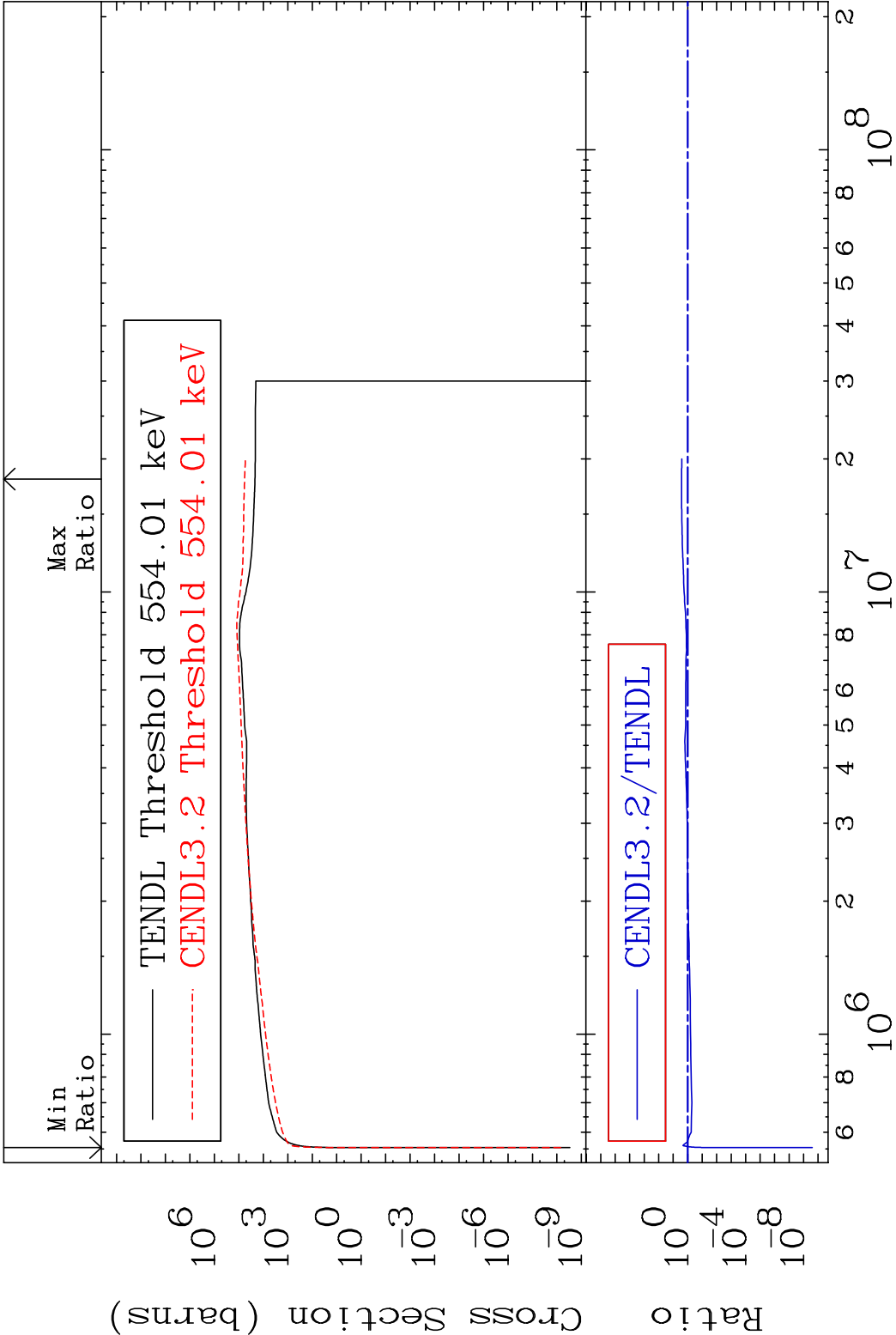


47 Incident Energy (eV) 62-Sm-148

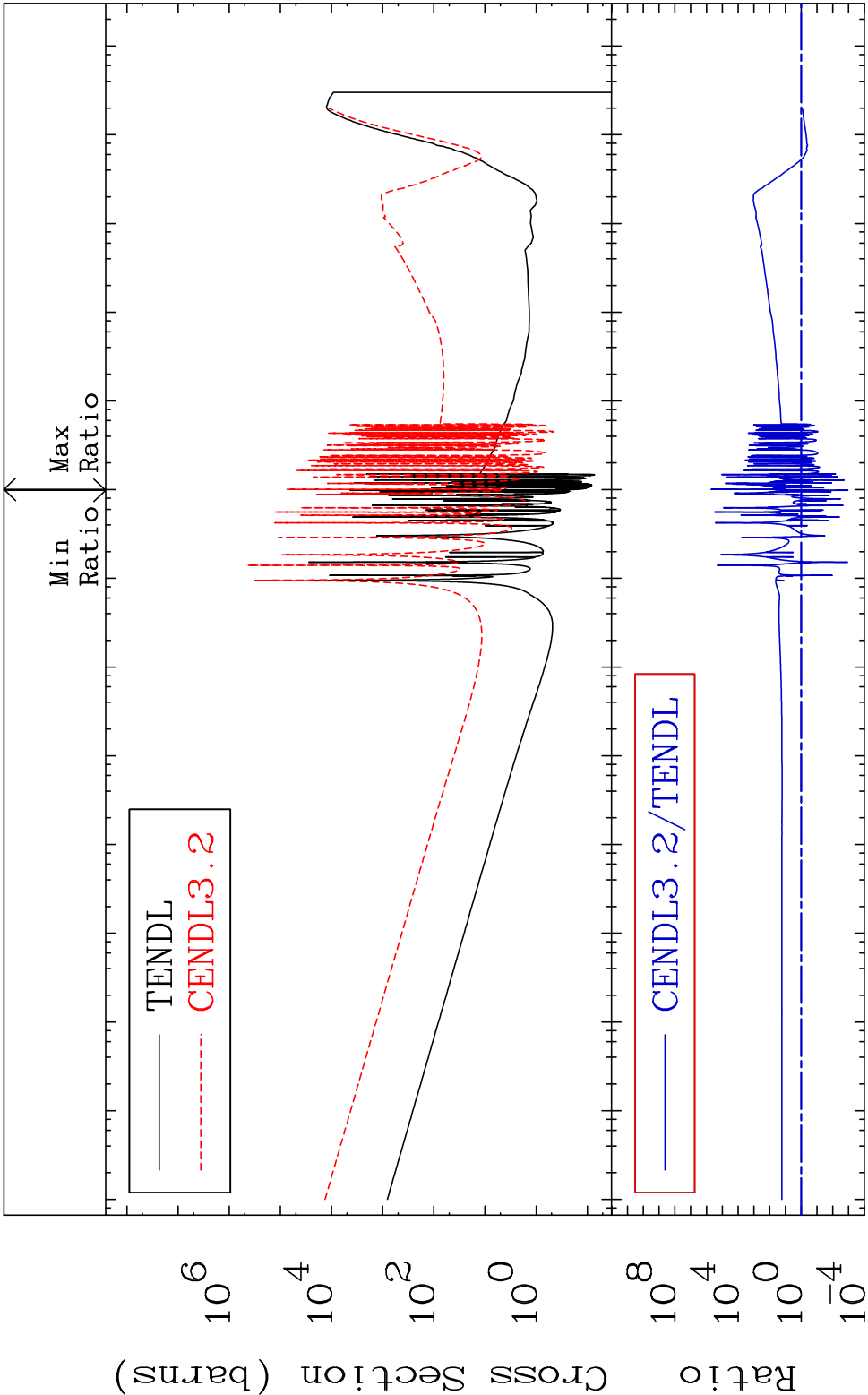
MAT 6237 Dpa elastic (mt2) 62-Sm-148
Cross Section -100.0 To 9999. %



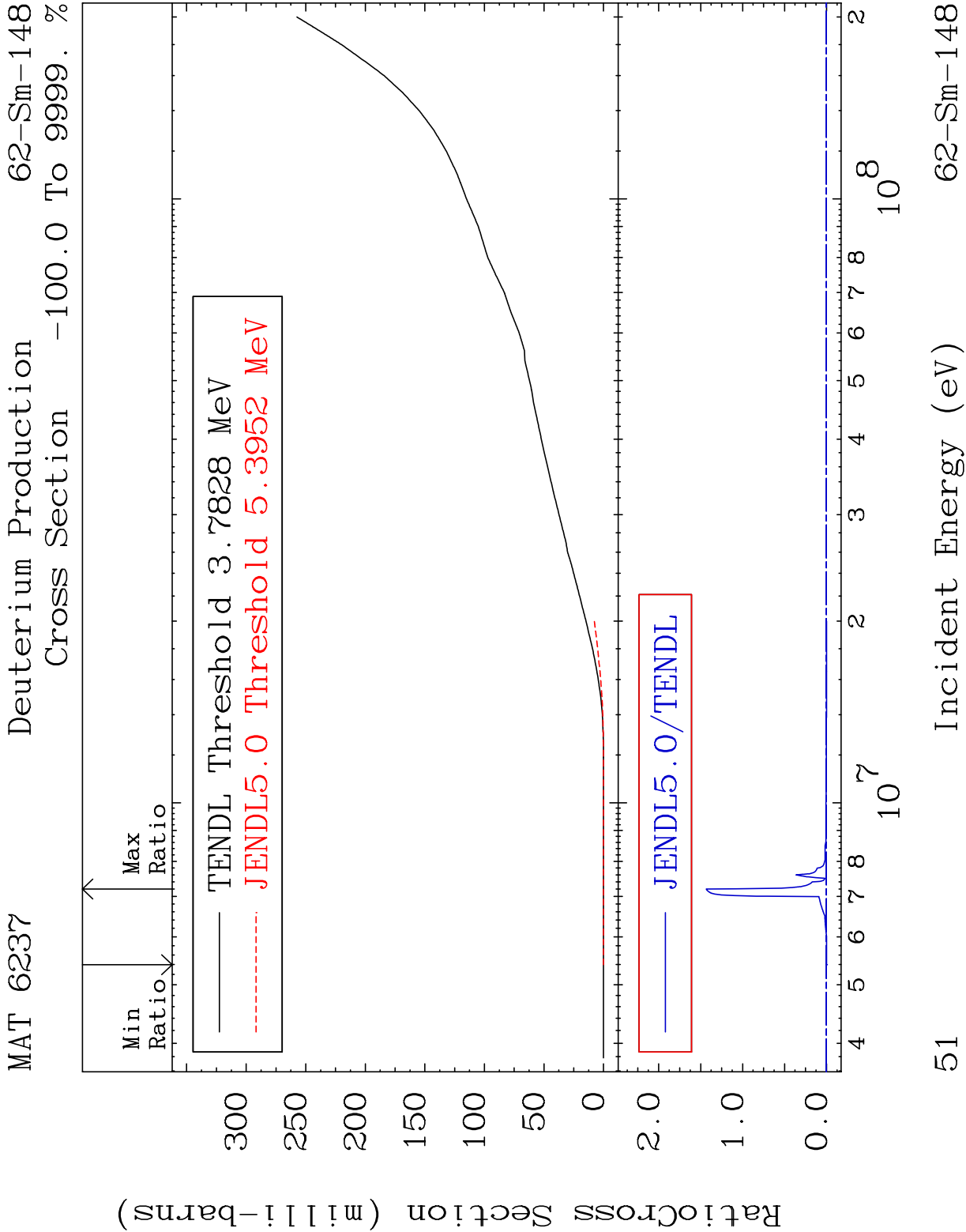
48 Incident Energy (eV) 62-Sm-148

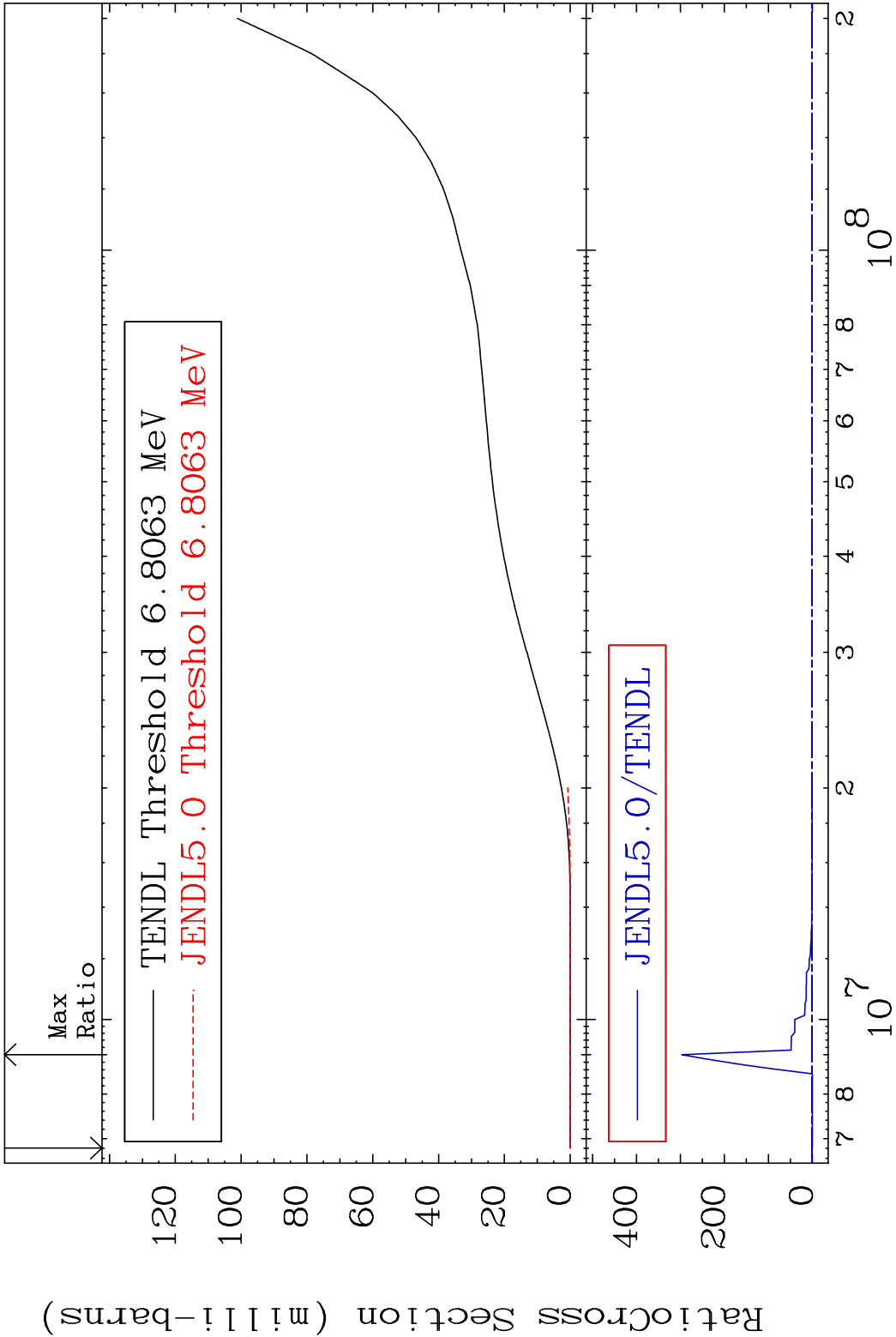


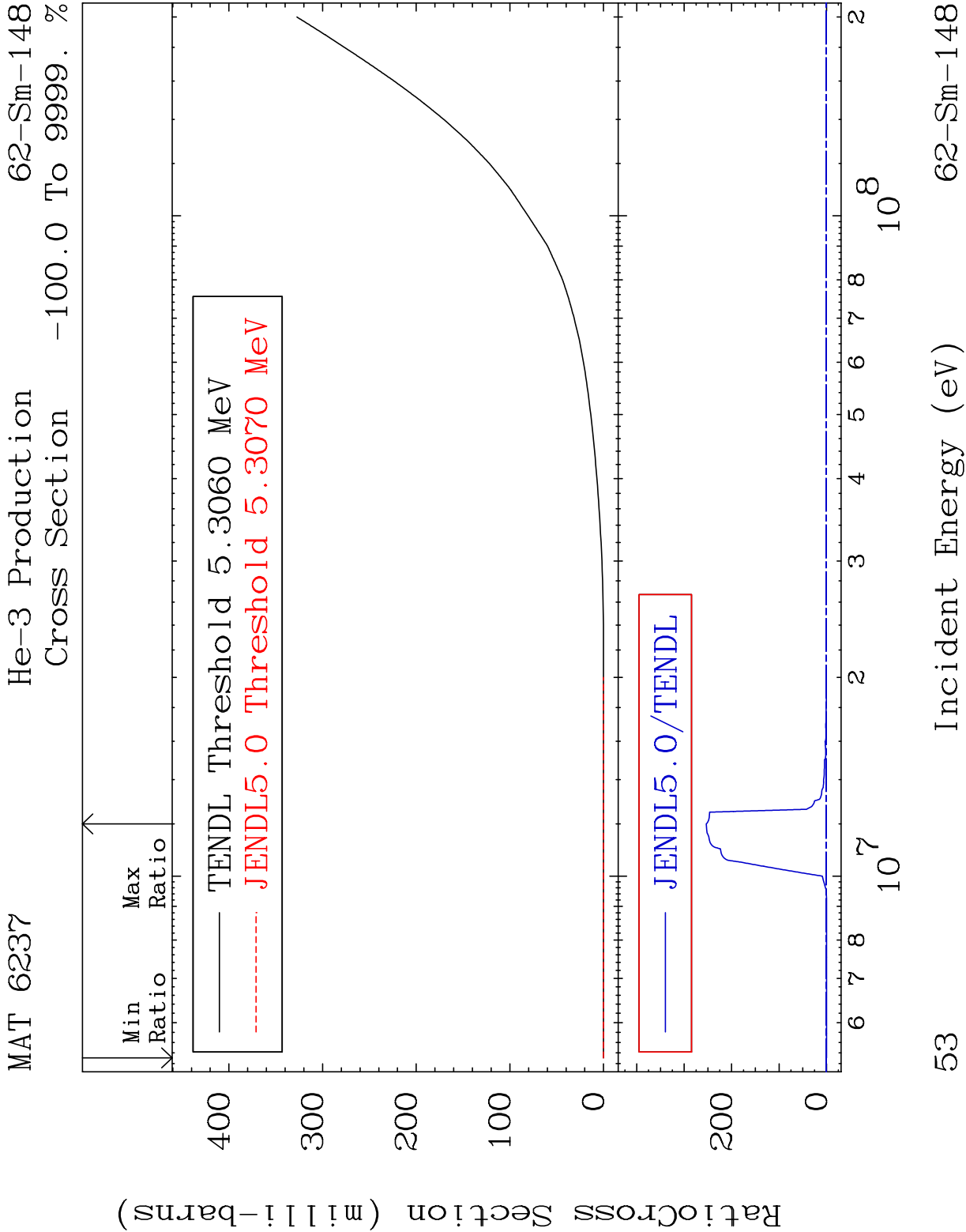
MAT 6237 Dpa disappearance (mt102 -120) 62-Sm-148
Cross Section -99.89 To 9999. %

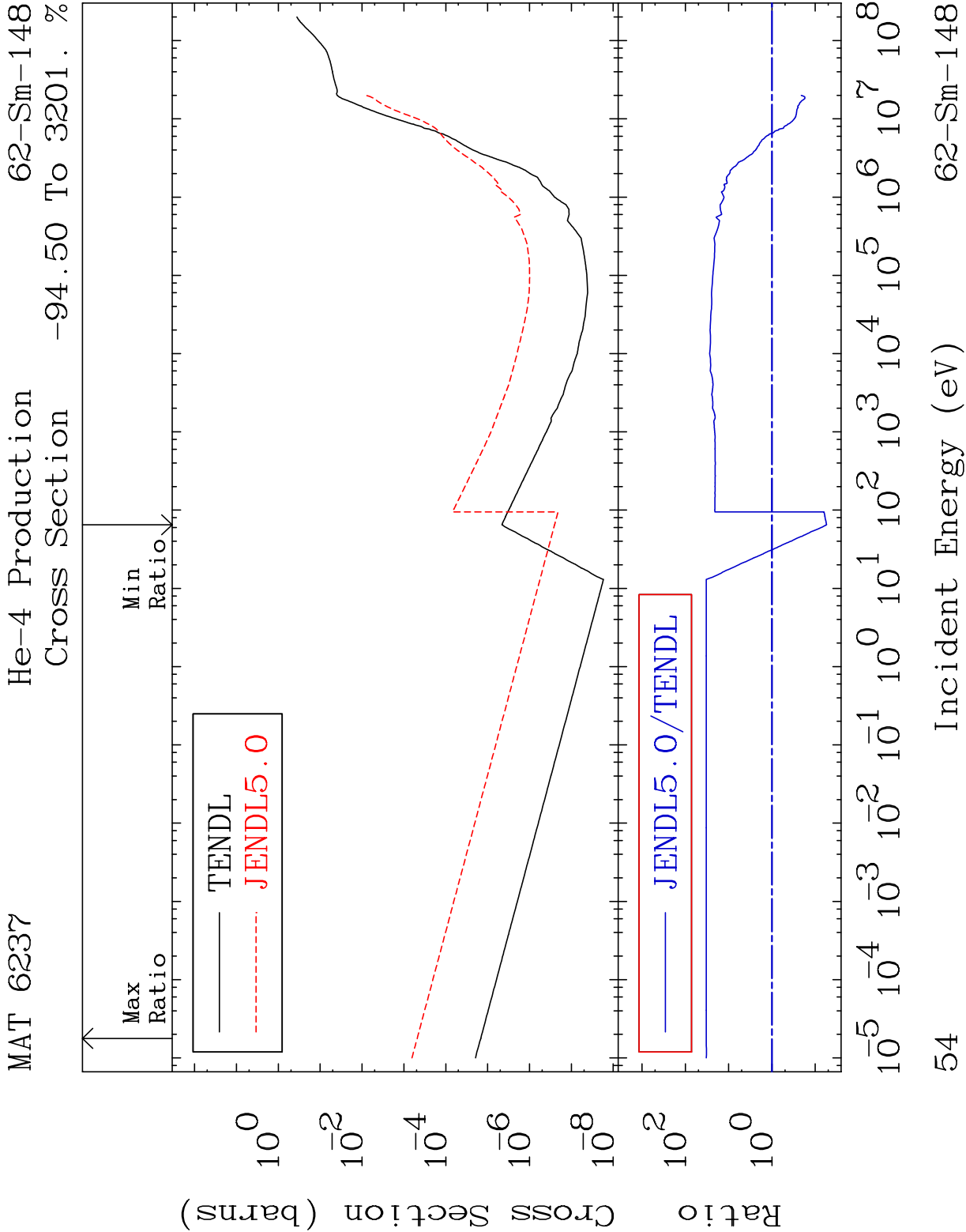


50 Incident Energy (eV) 62-Sm-148

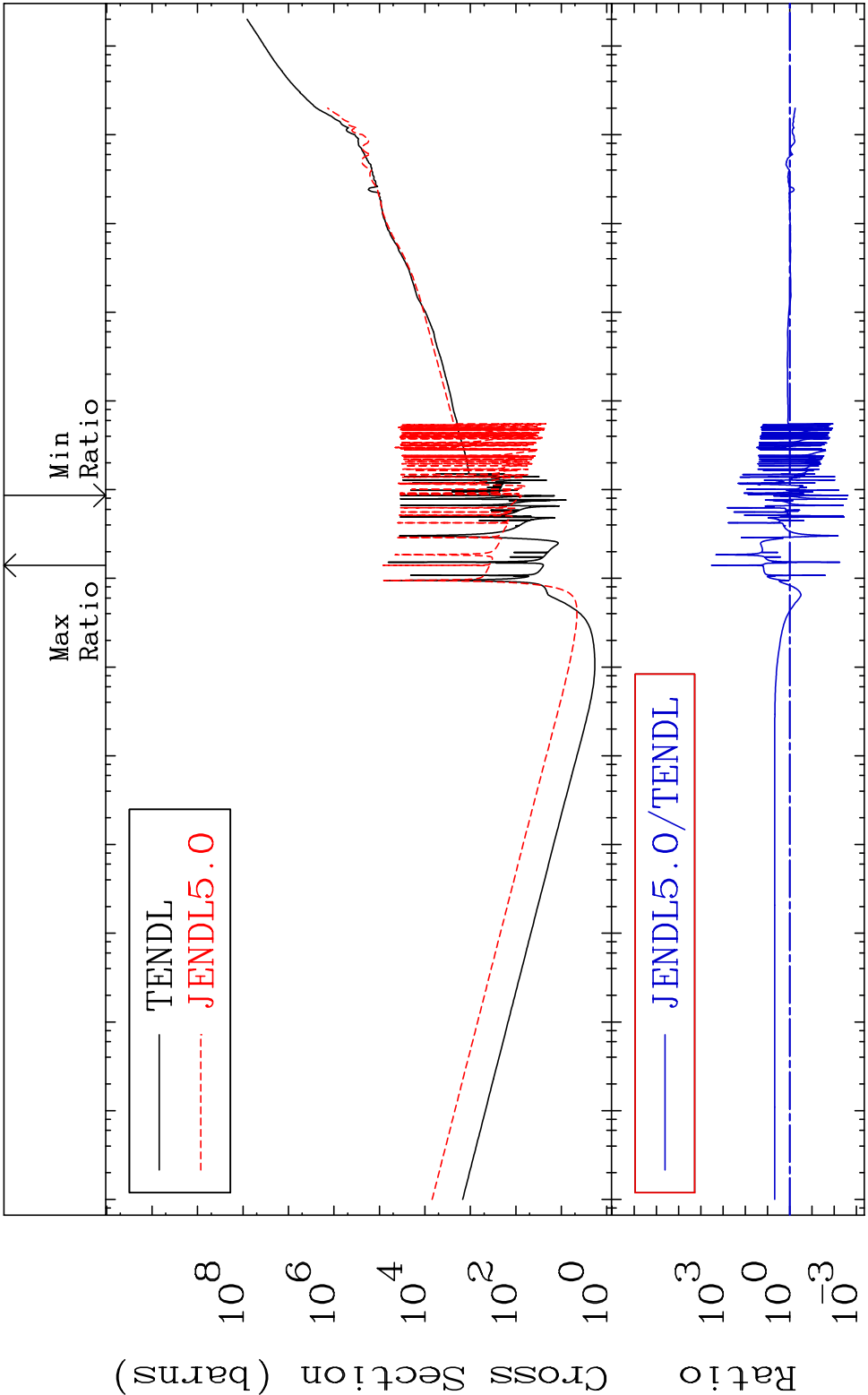




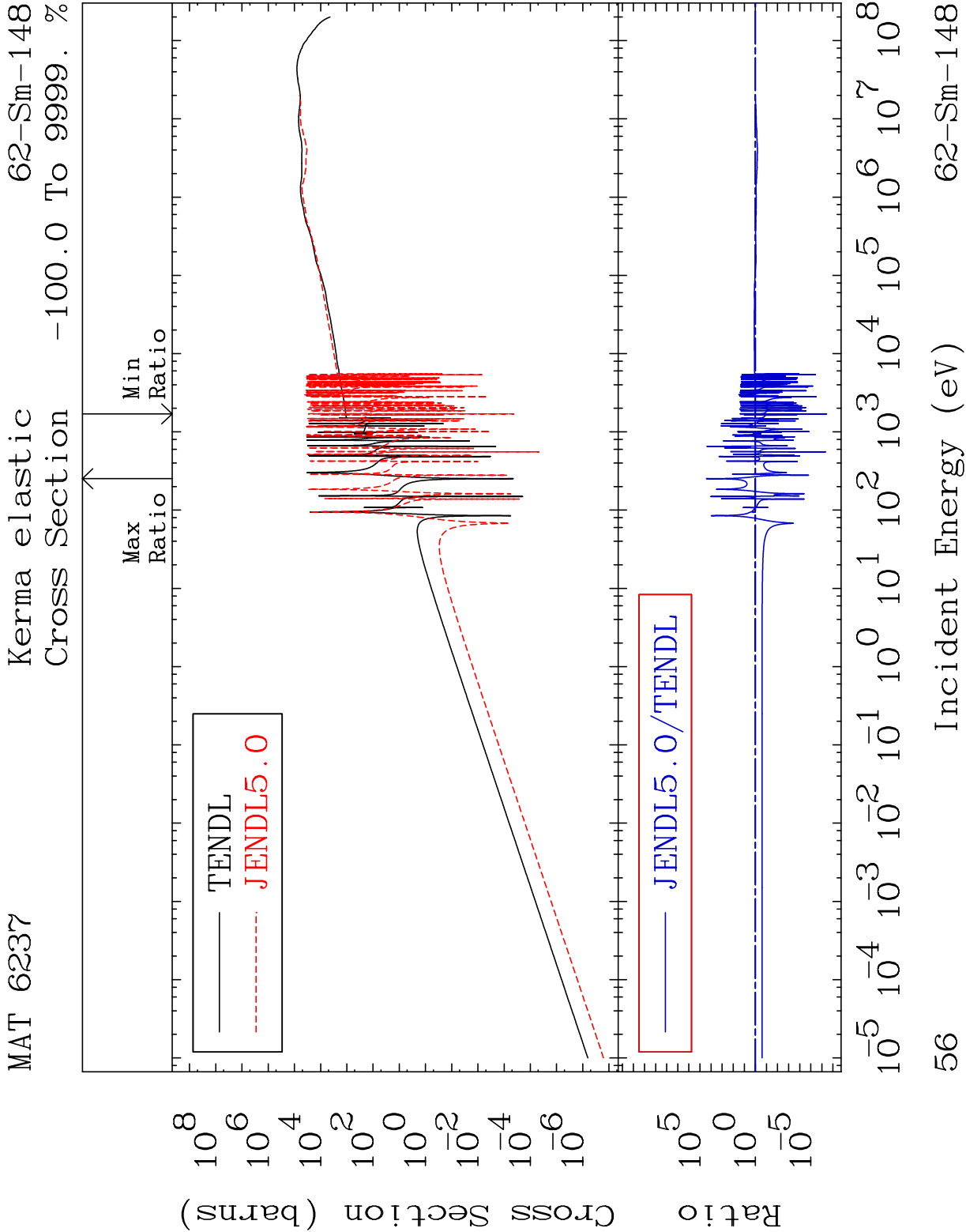




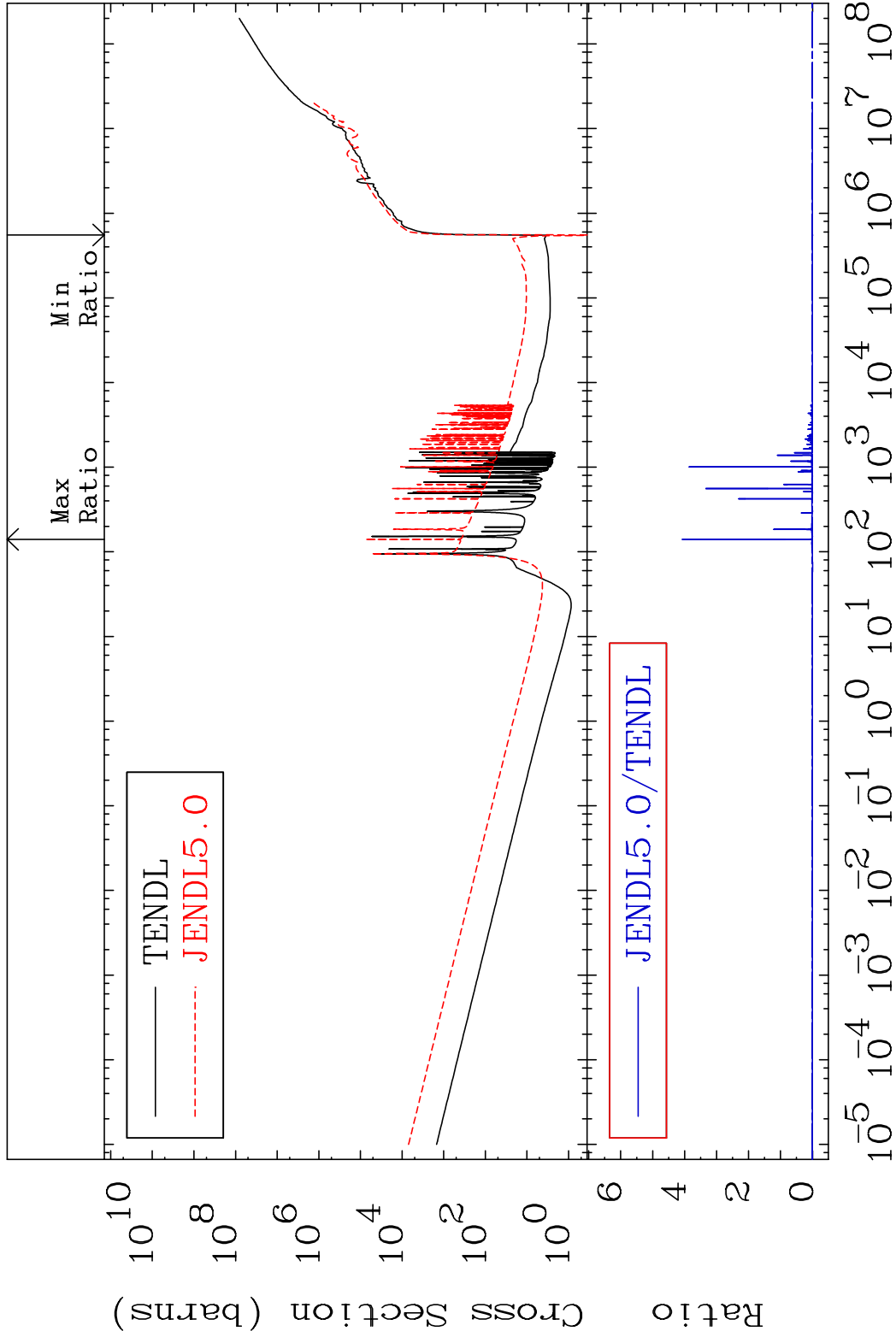
MAT 6237 Kerma total (eV-barns) 62-Sm-148
Cross Section -99.76 To 9999. %

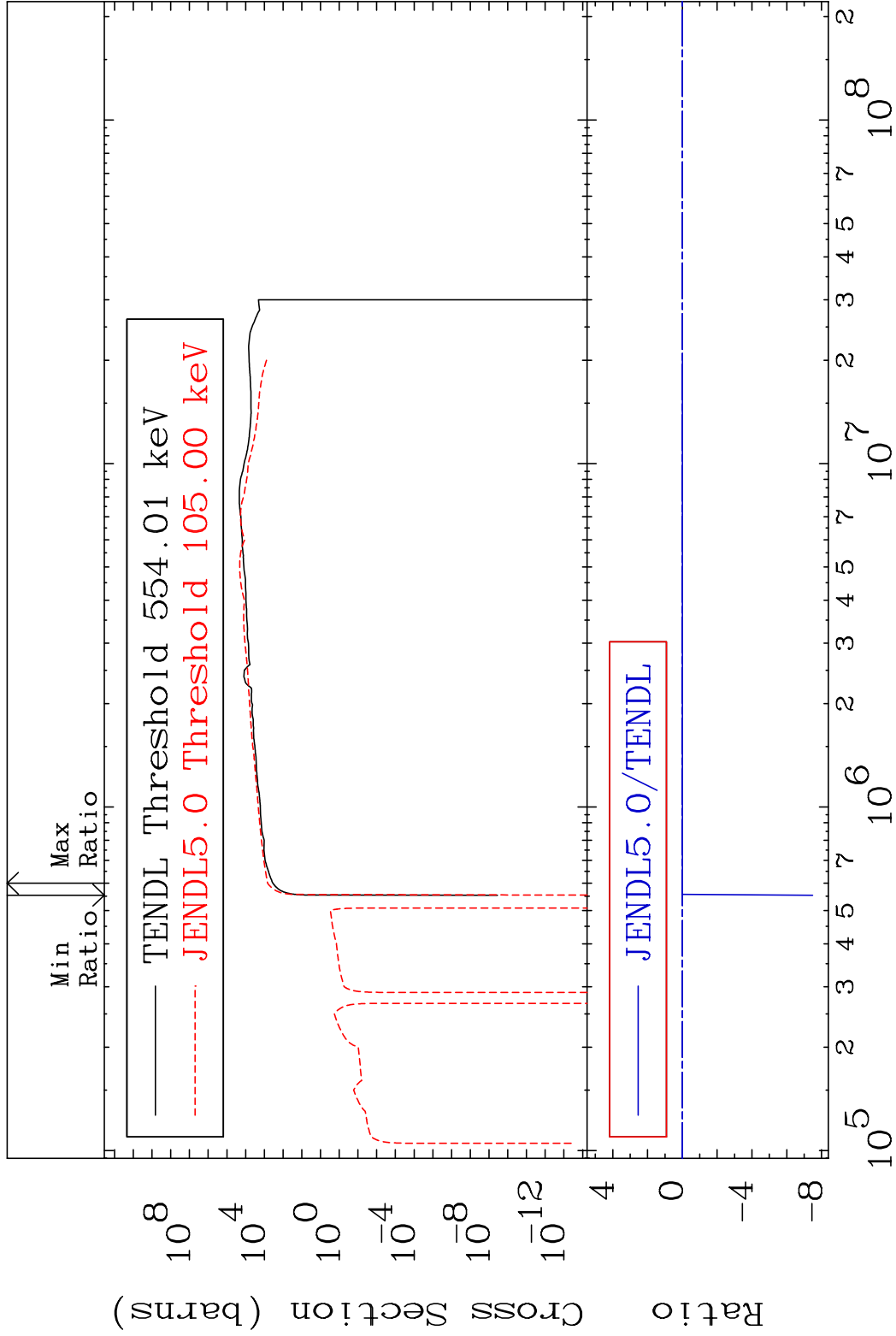


55 Incident Energy (eV) 62-Sm-148

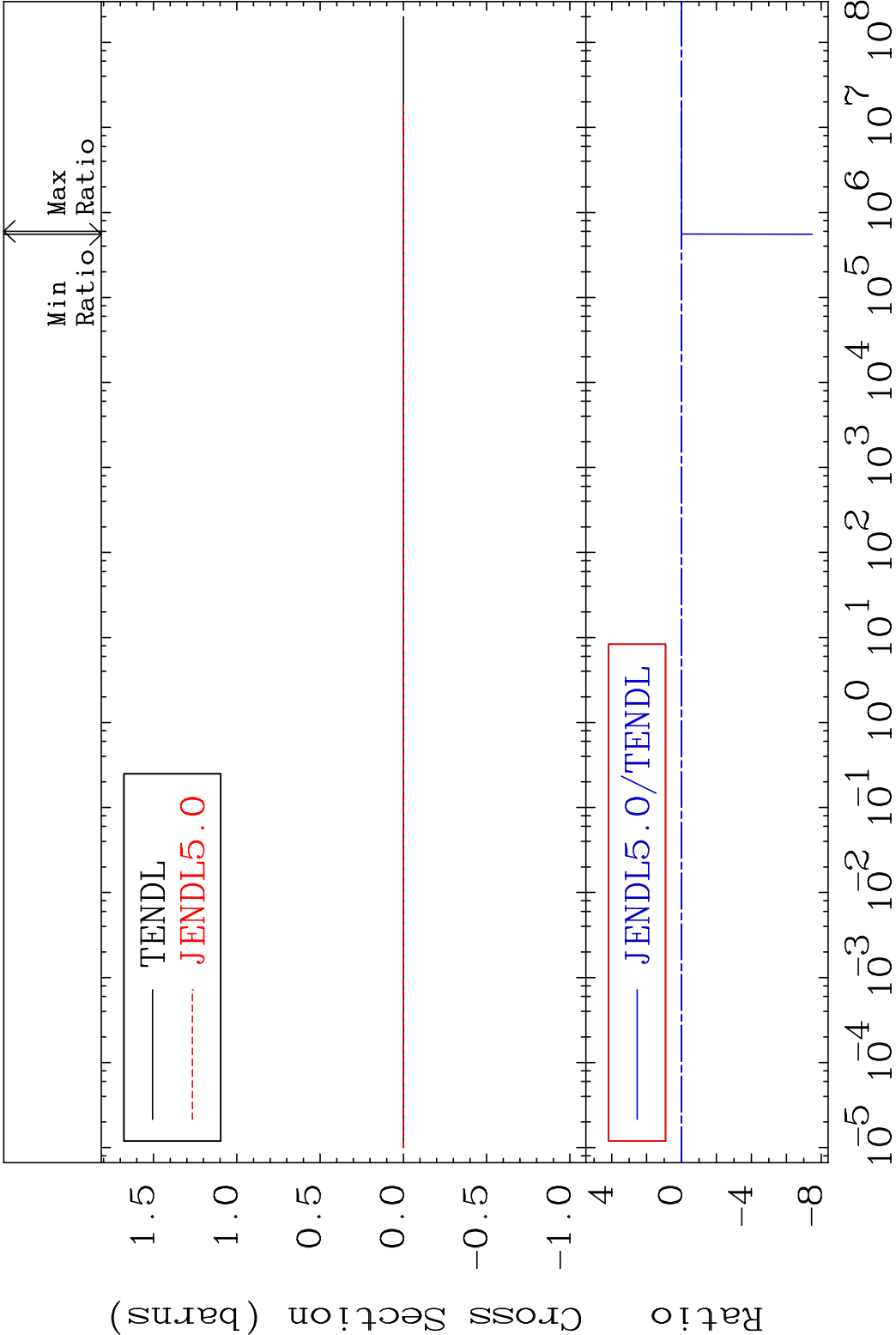


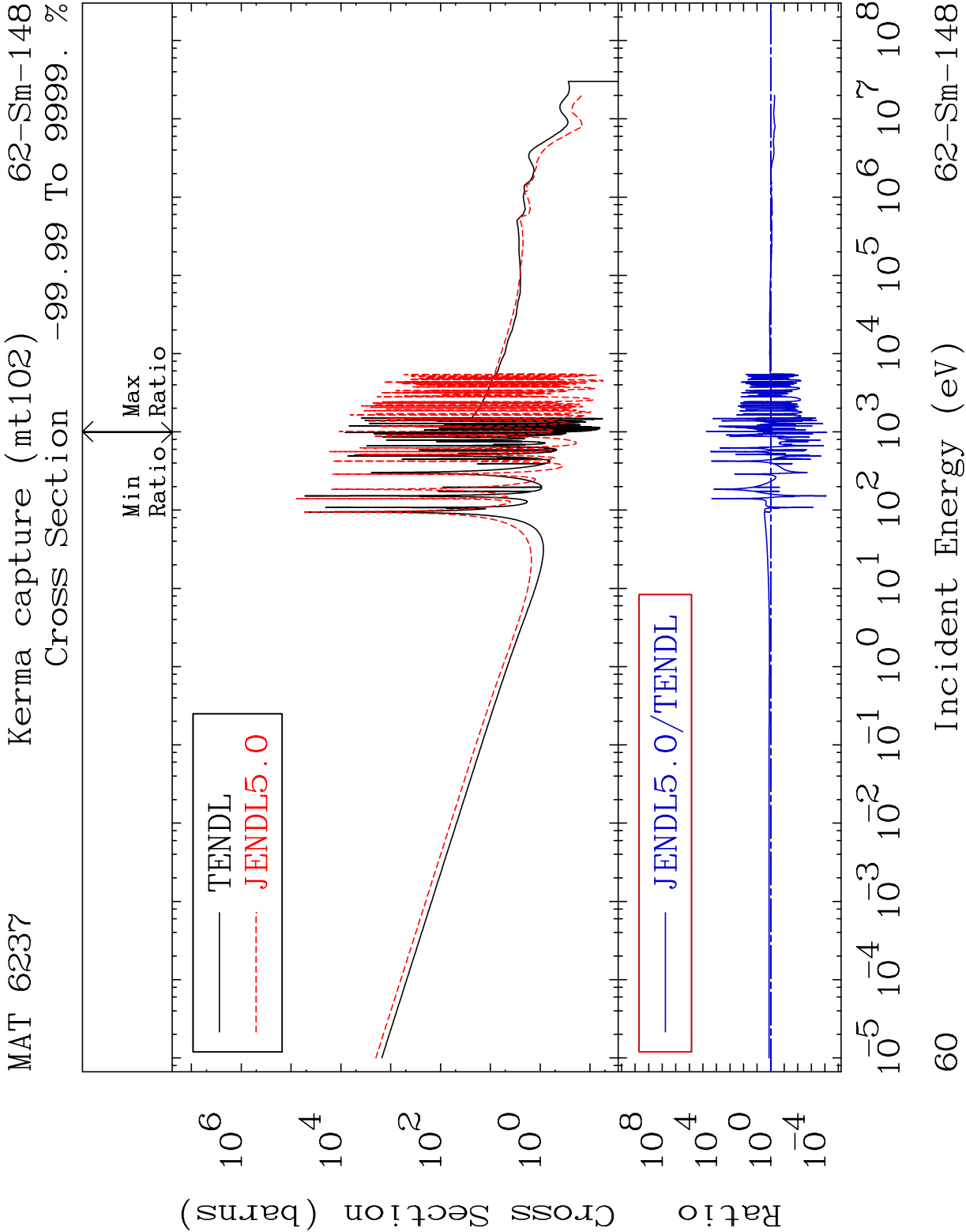
MAT 6237 Kerma non-elastic (all but mt2) 62-Sm-148
 Cross Section -250.3 To 9999. %

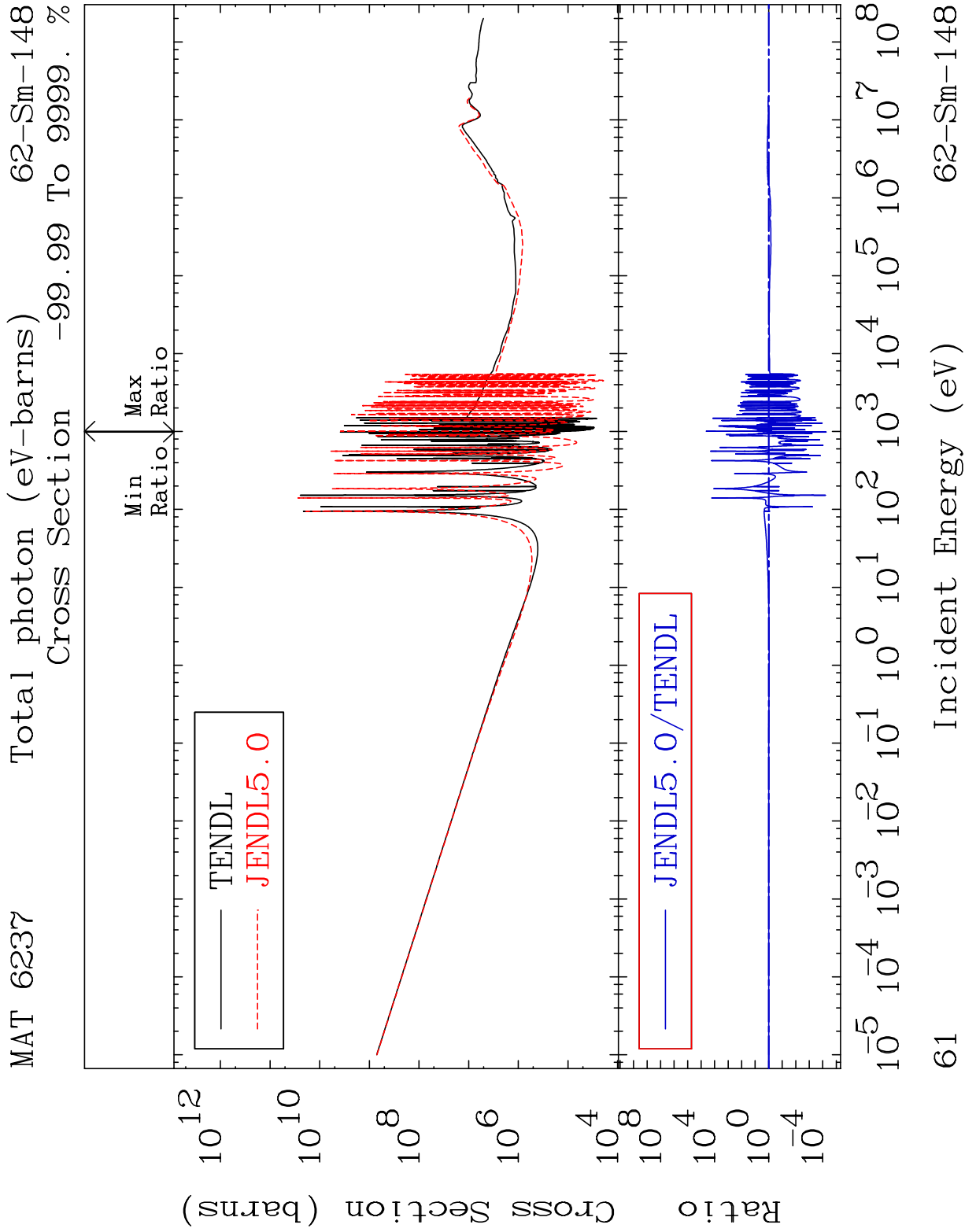




MAT 6237 Kerma fission (mt18 or mt19-20-21-38)62-Sm-148
Cross Section -9999. To 92.80 %

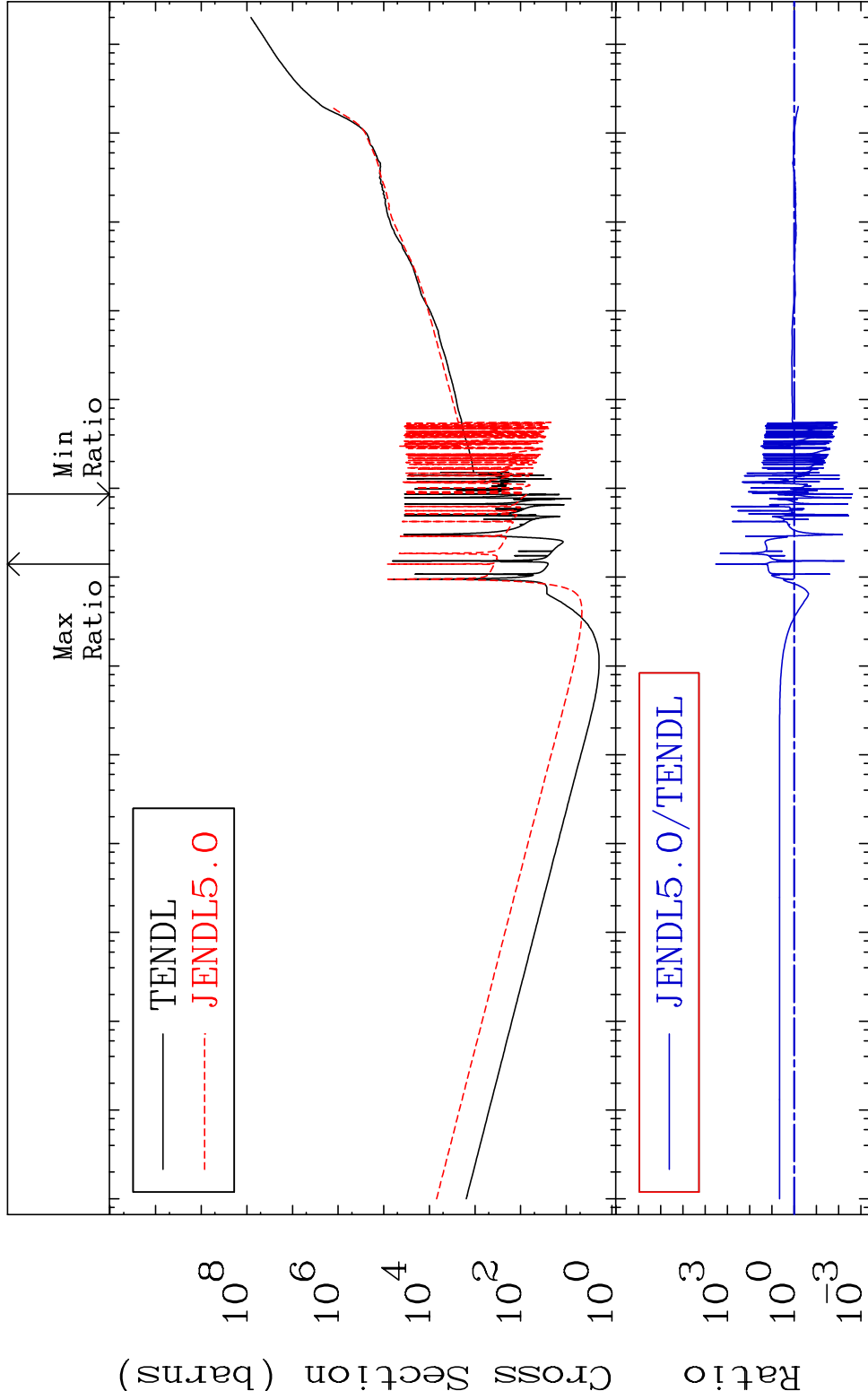






MAT 6237 Total kinematic kerma (high limit) 62-Sm-148

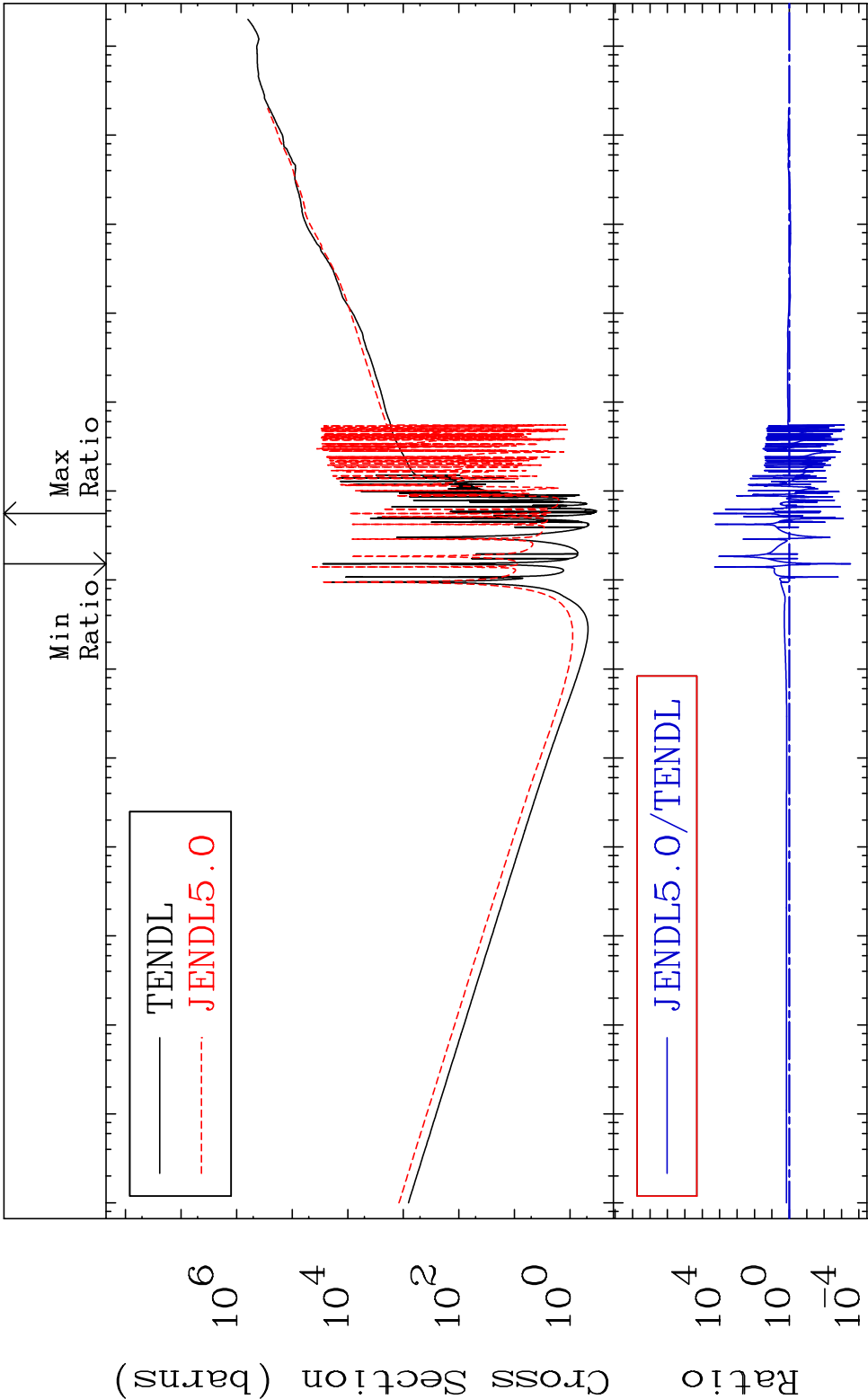
Cross Section -99.76 To 9999. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

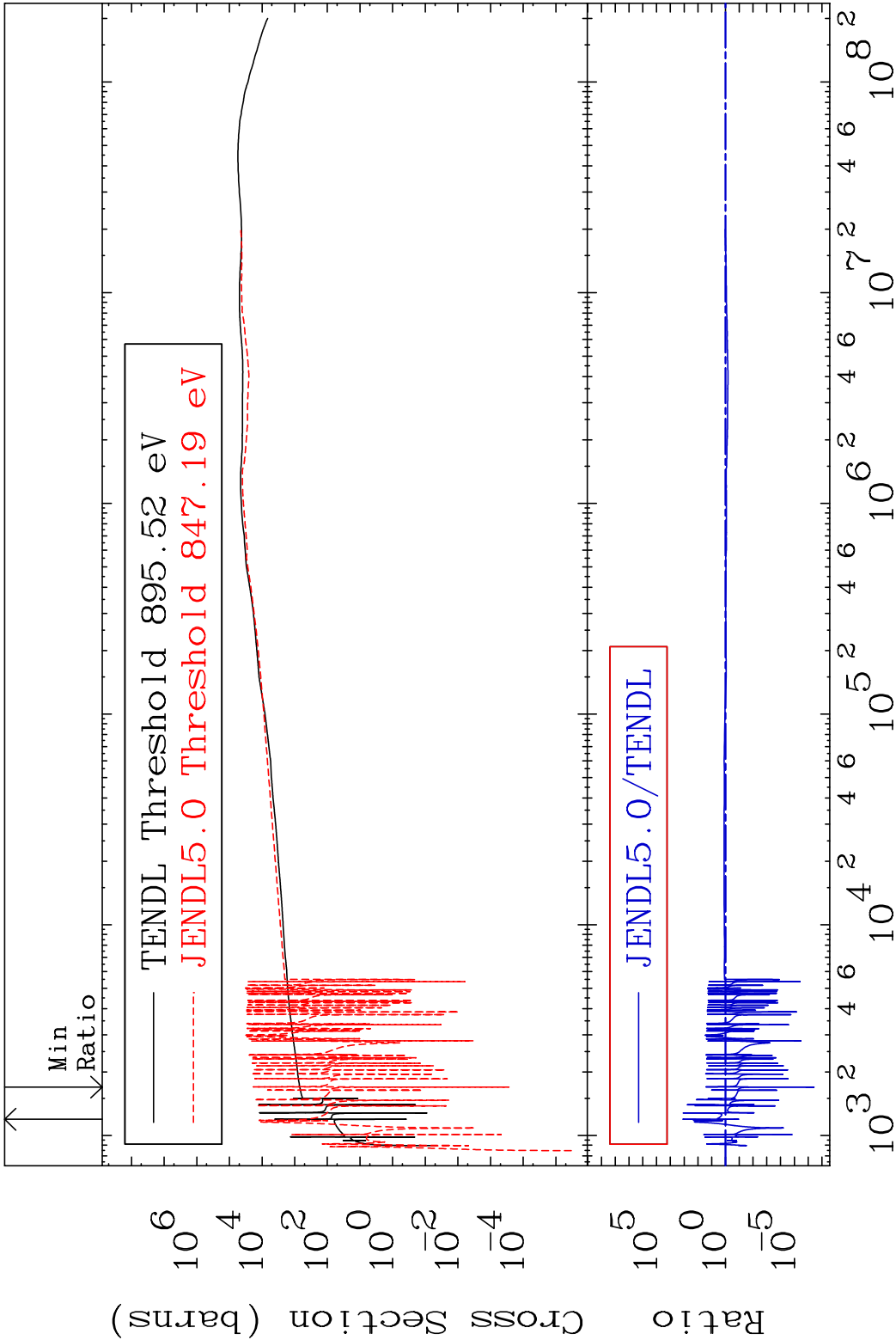
62 Incident Energy (eV) 62-Sm-148

MAT 6237 Dpa total (eV-barns) 62-Sm-148
Cross Section -99.97 To 9999. %



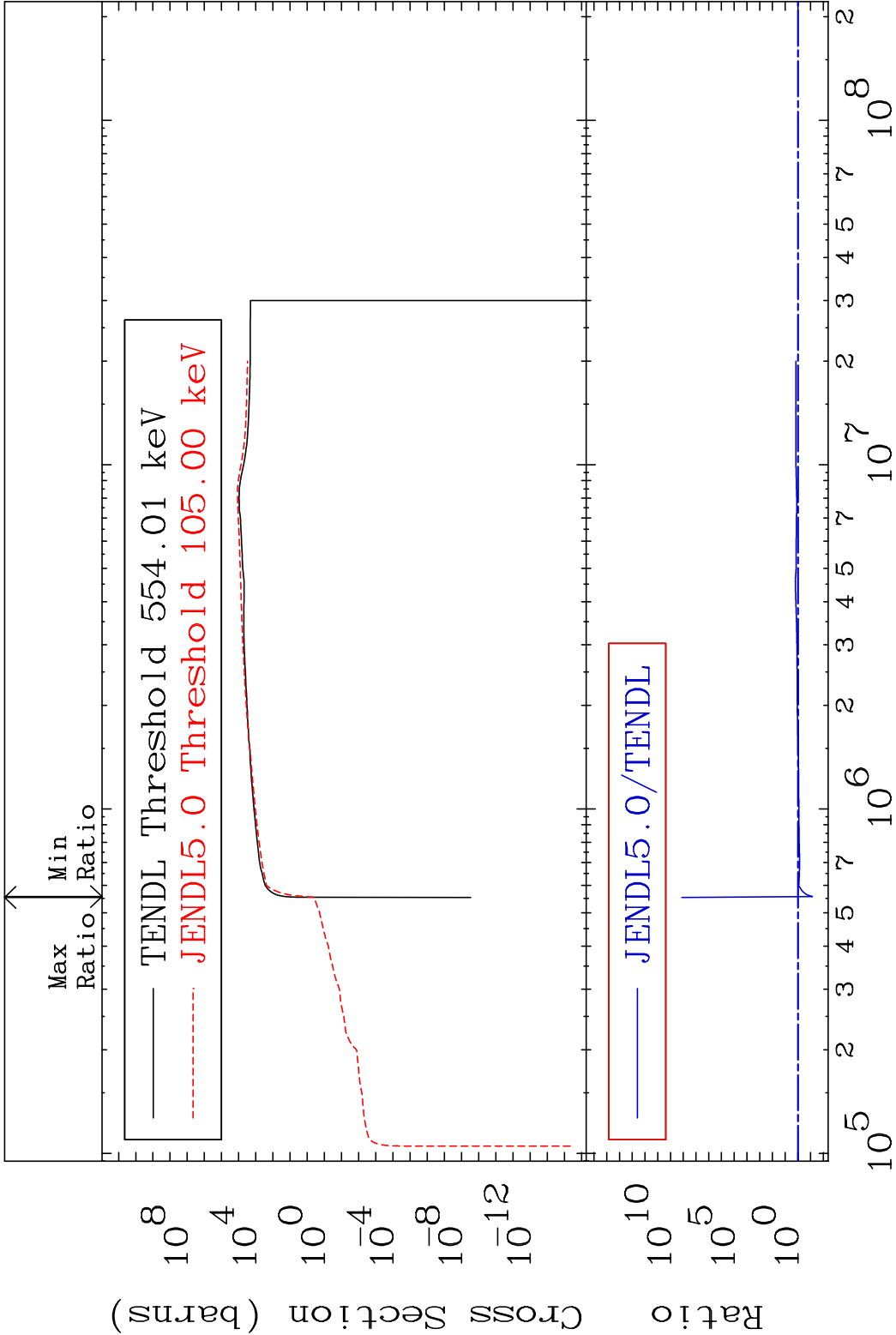
63 Incident Energy (eV) 62-Sm-148

MAT 6237 Dpa elastic (mt2) 62-Sm-148
Cross Section -100.0 To 9999. %



64 Incident Energy (eV) 62-Sm-148

MAT 6237 Dpa inelastic (mt51-91) 62-Sm-148
Cross Section -92.63 To 9999. %



65 Incident Energy (eV) 62-Sm-148

MAT 6237 Dpa disappearance (mt102 -120) 62-Sm-148
Cross Section -99.97 To 9999. %

