

Program Complot
(Version 2021-1)

by

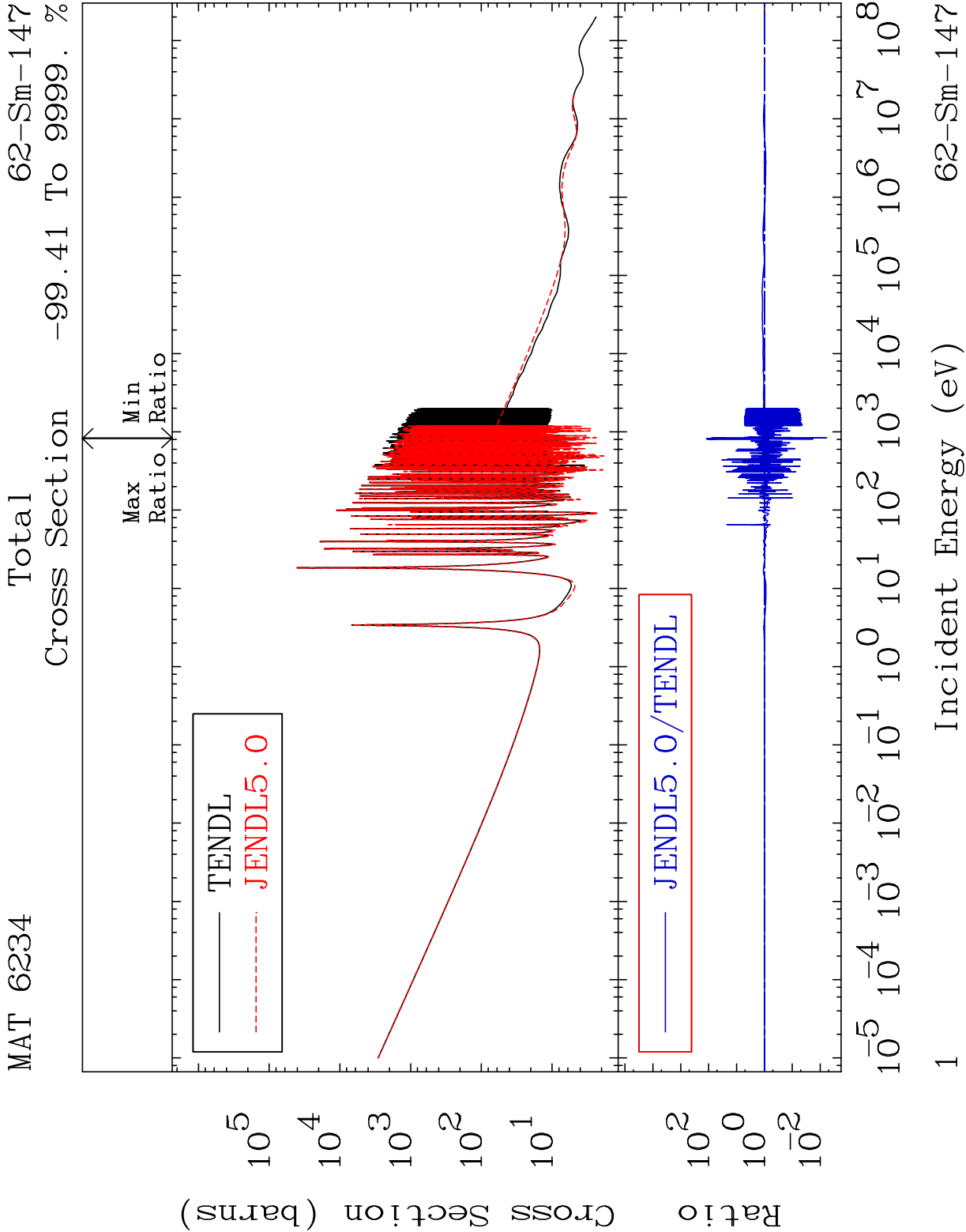
Dermott E. Cullen
(Present Contact Information)

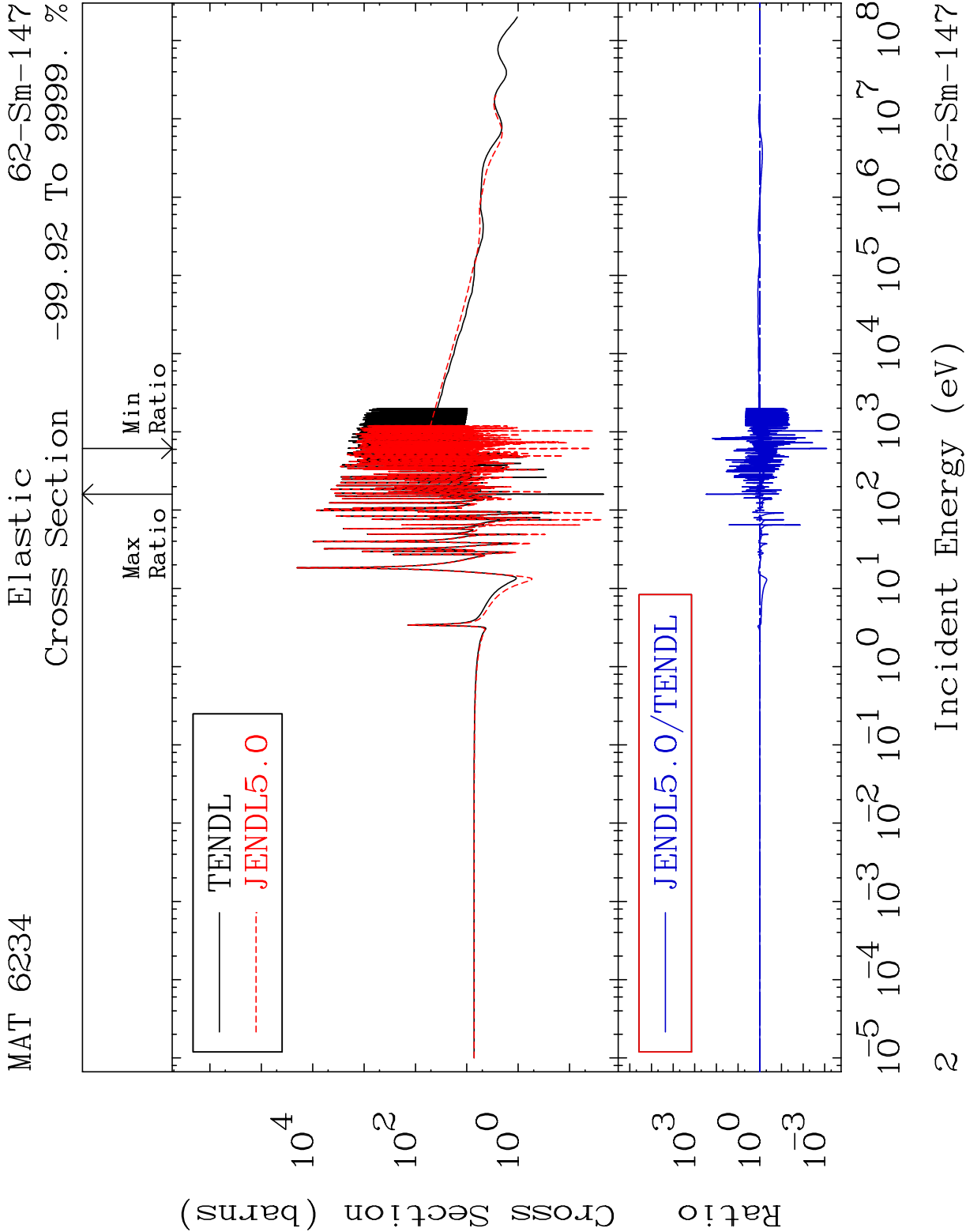
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
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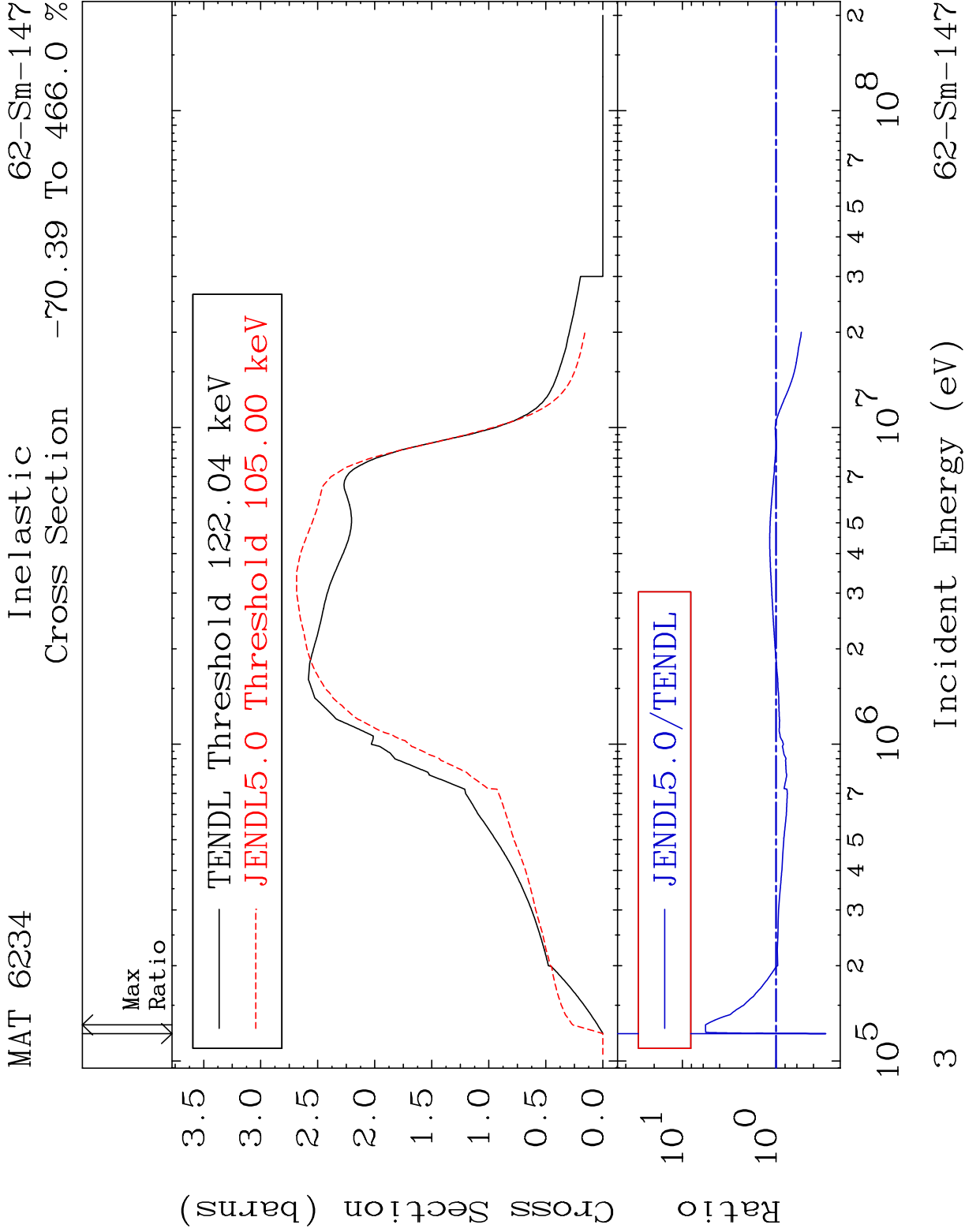
Tele: 925-443-1911

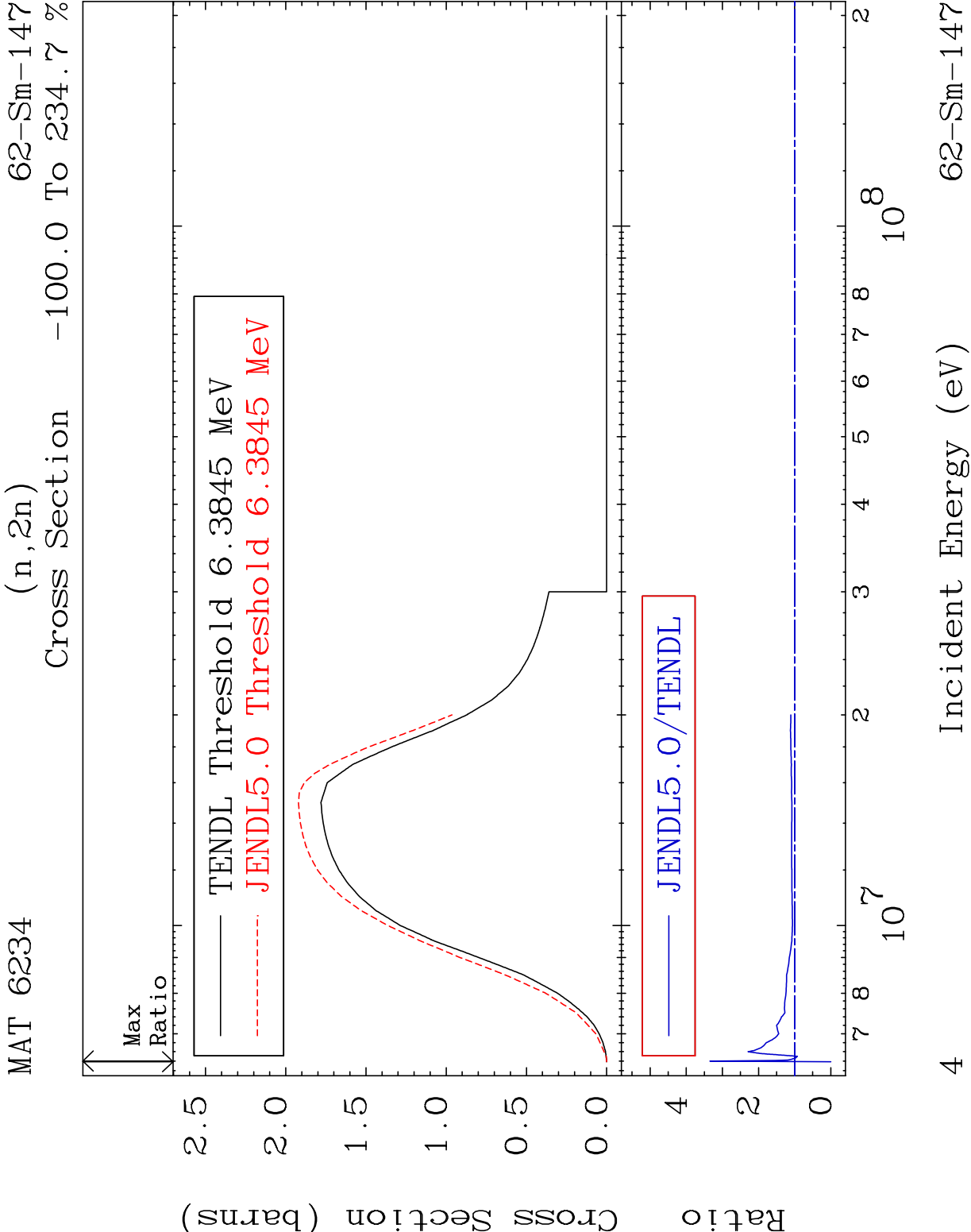
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

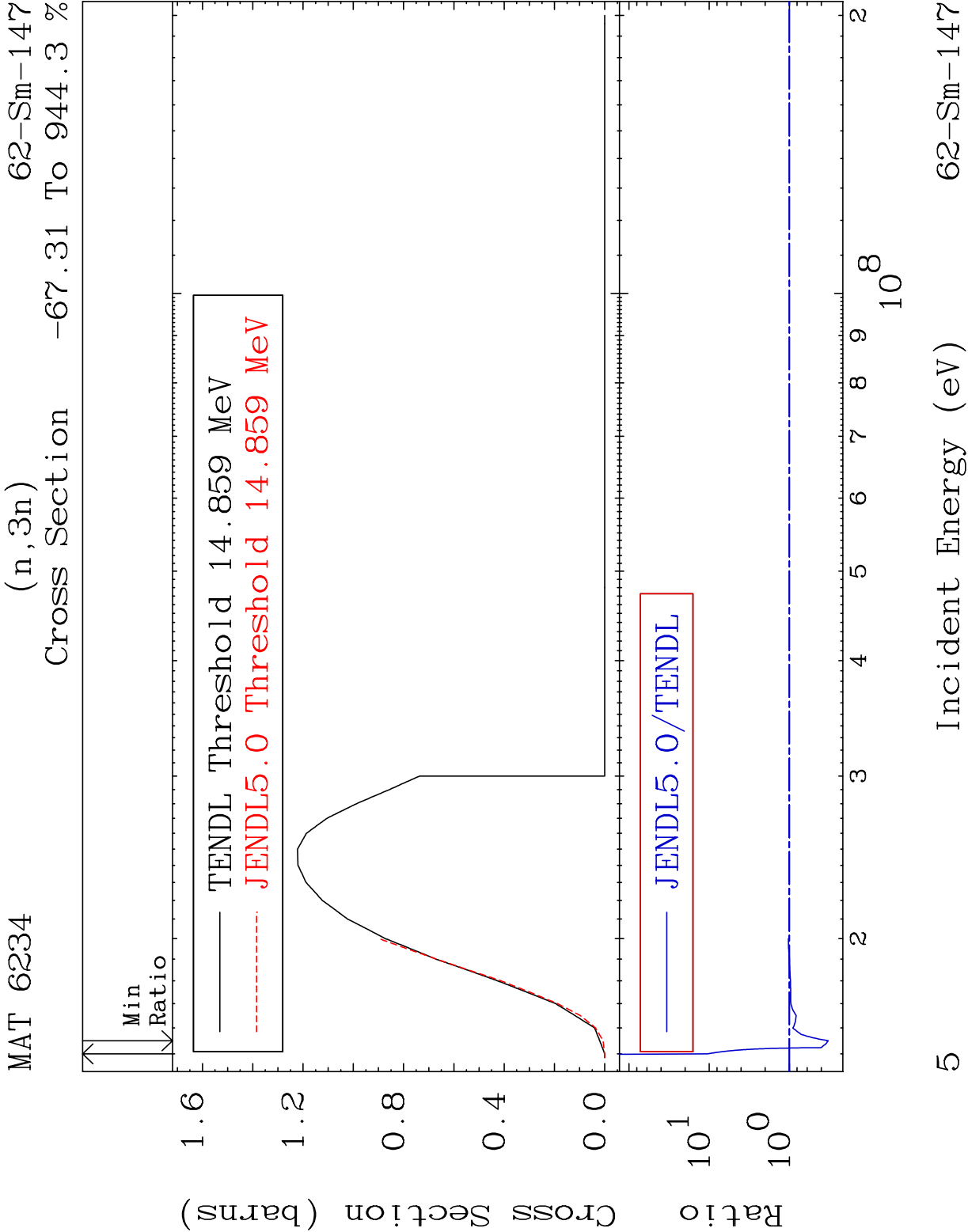
Press Mouse Button to Start

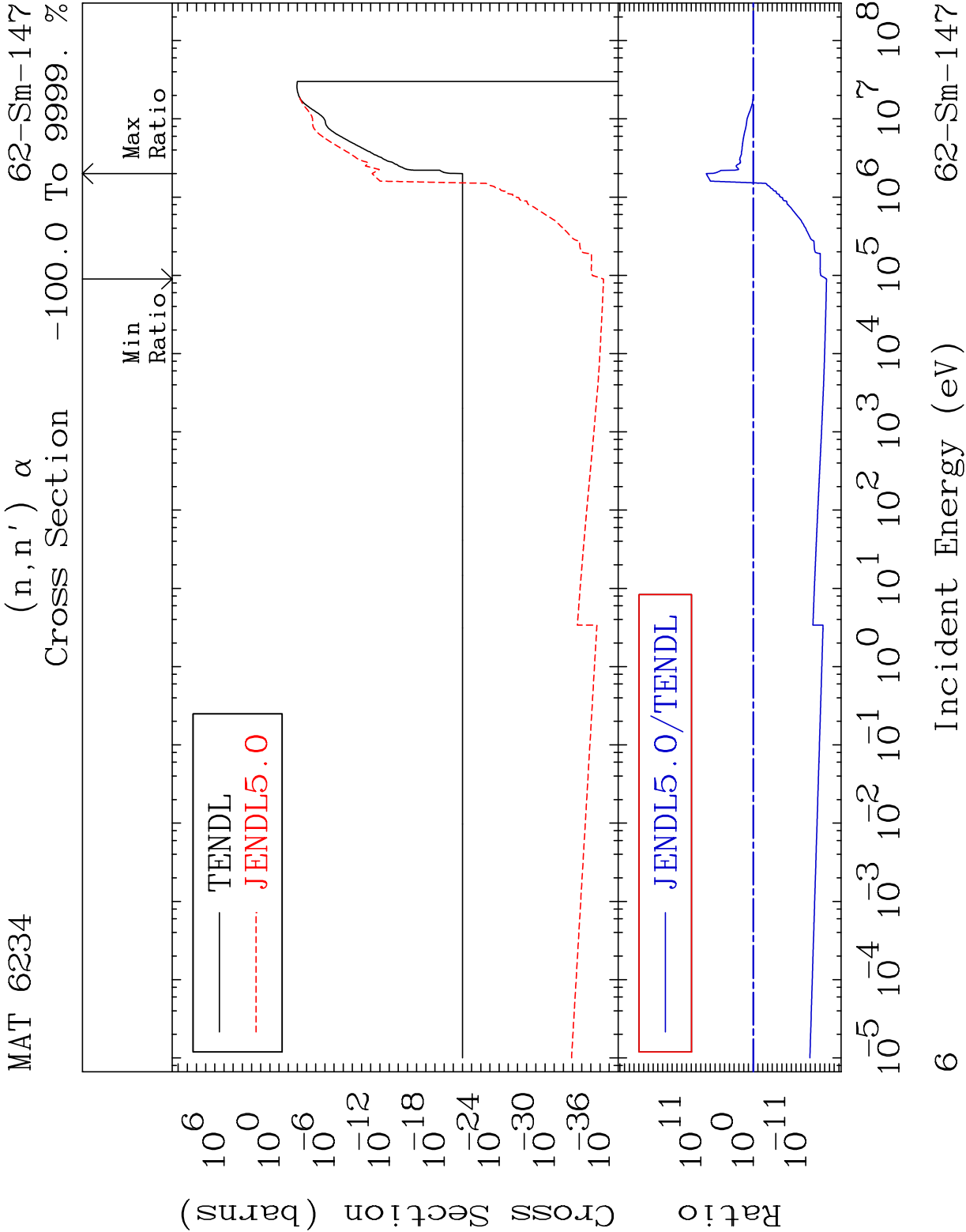


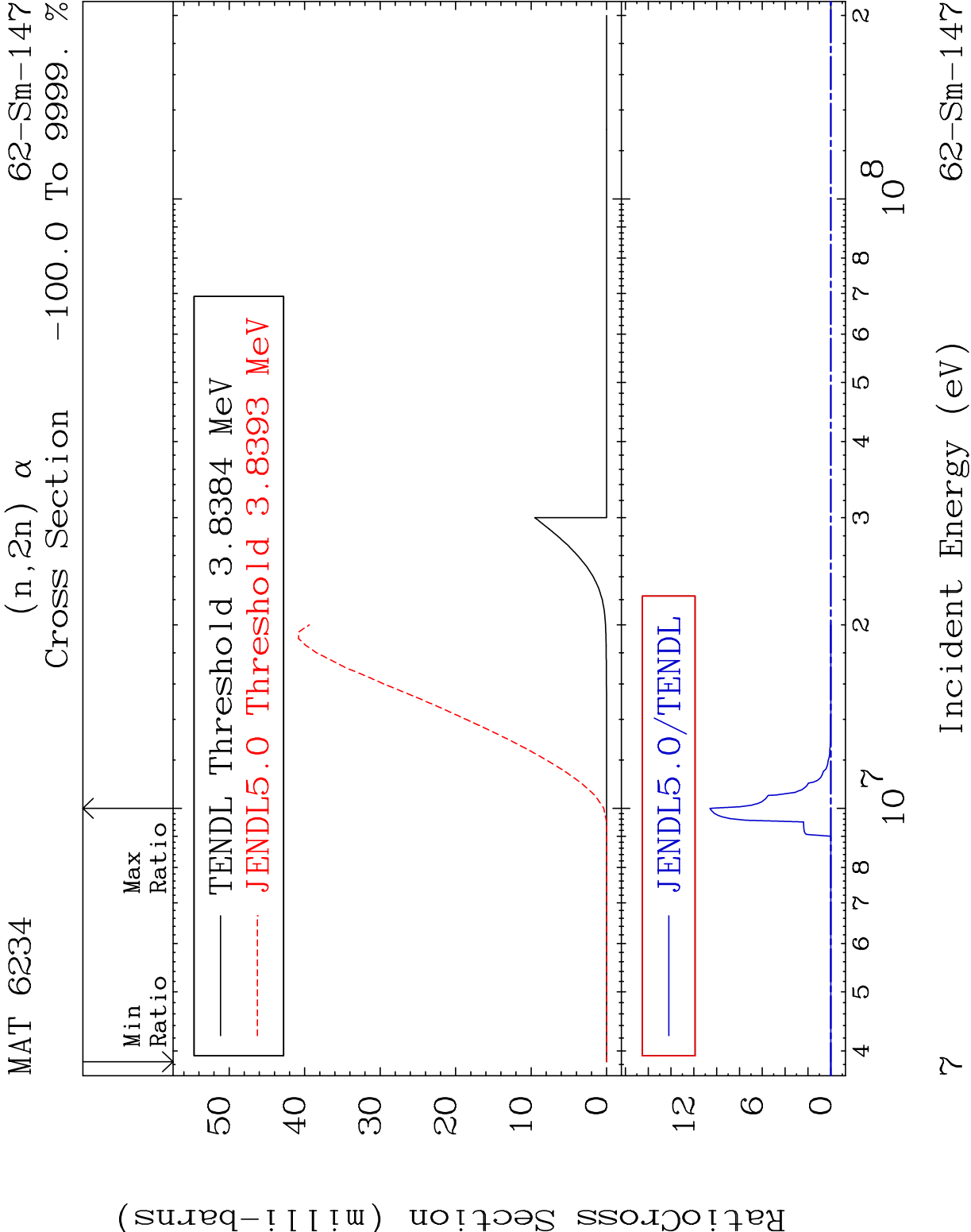


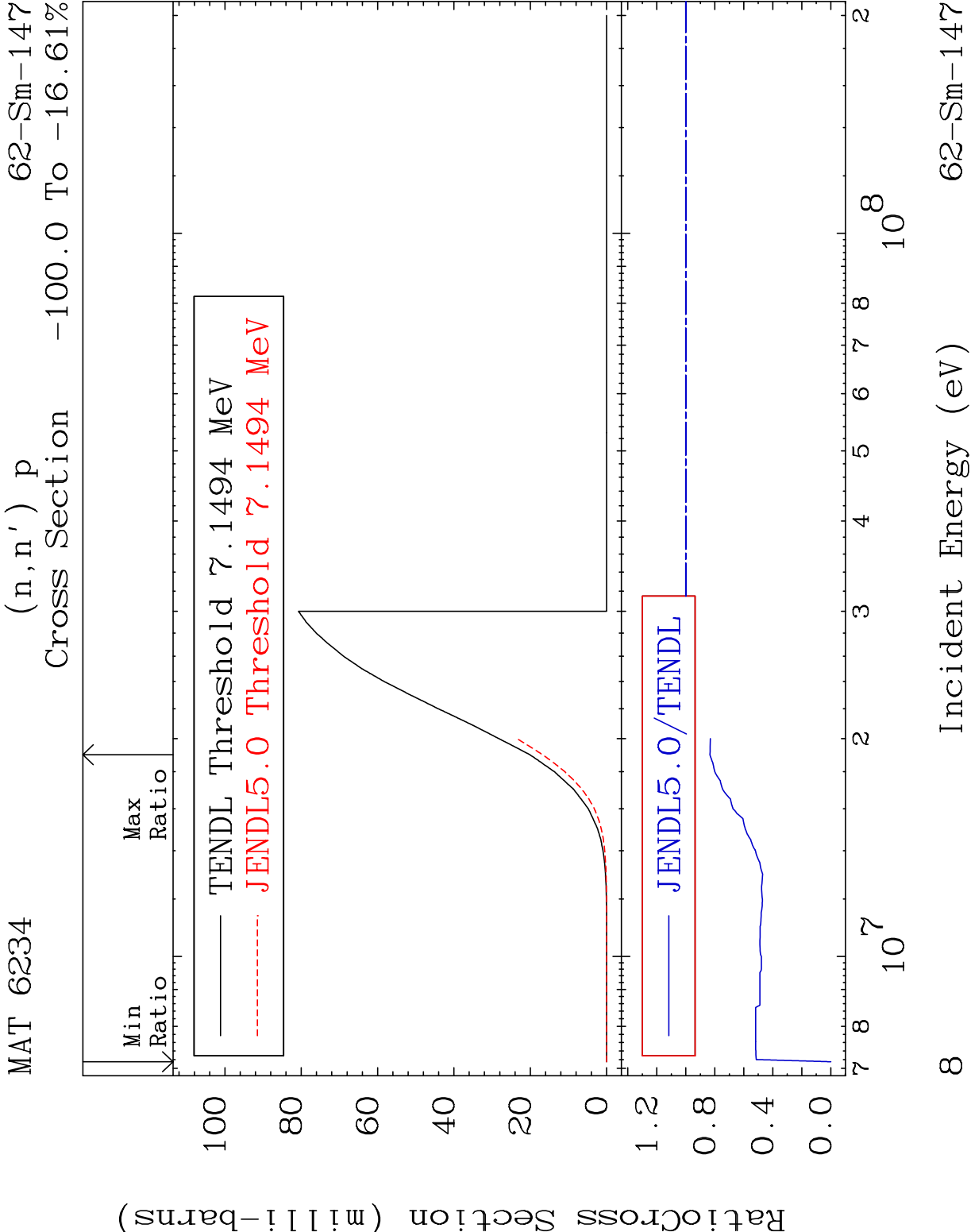


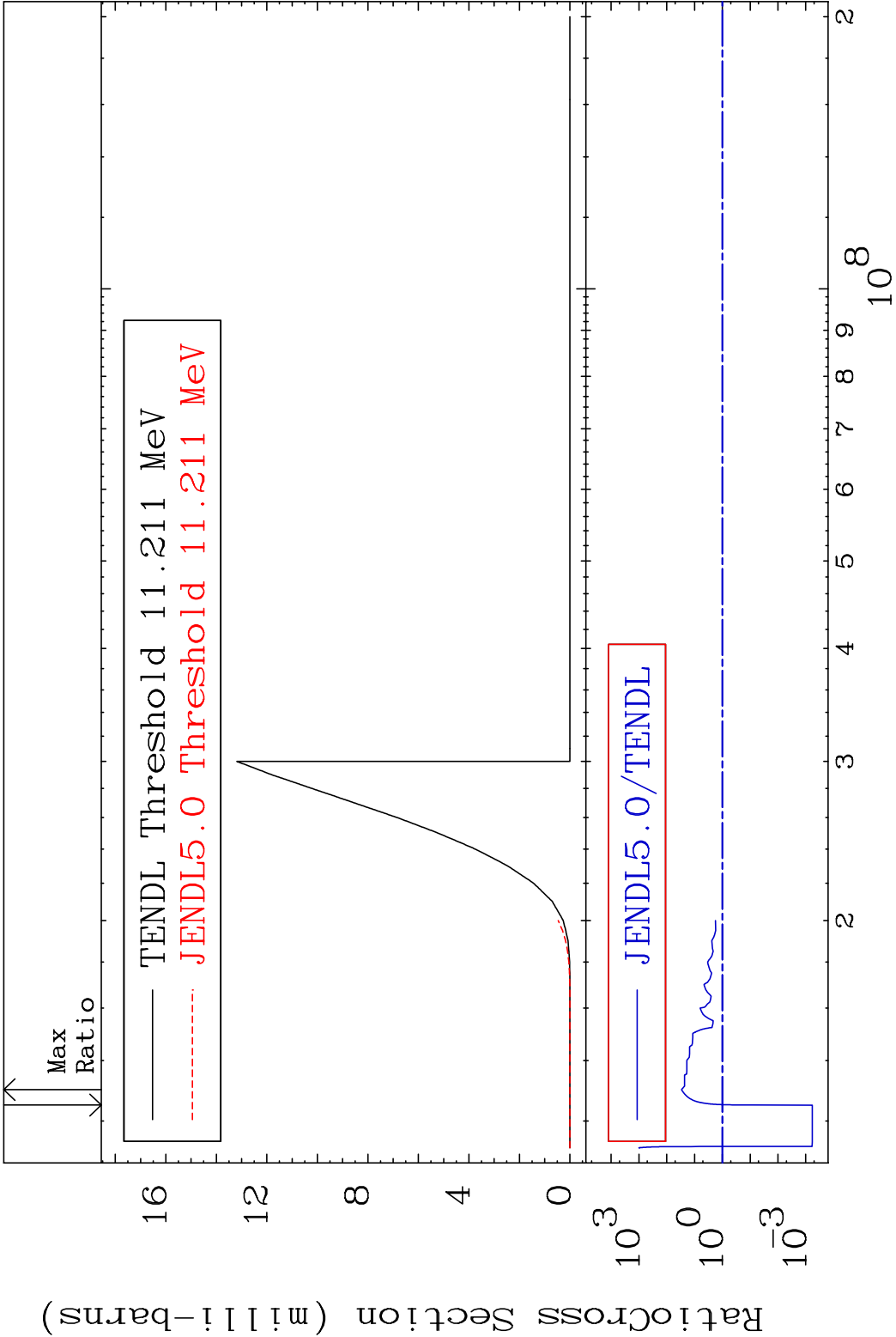


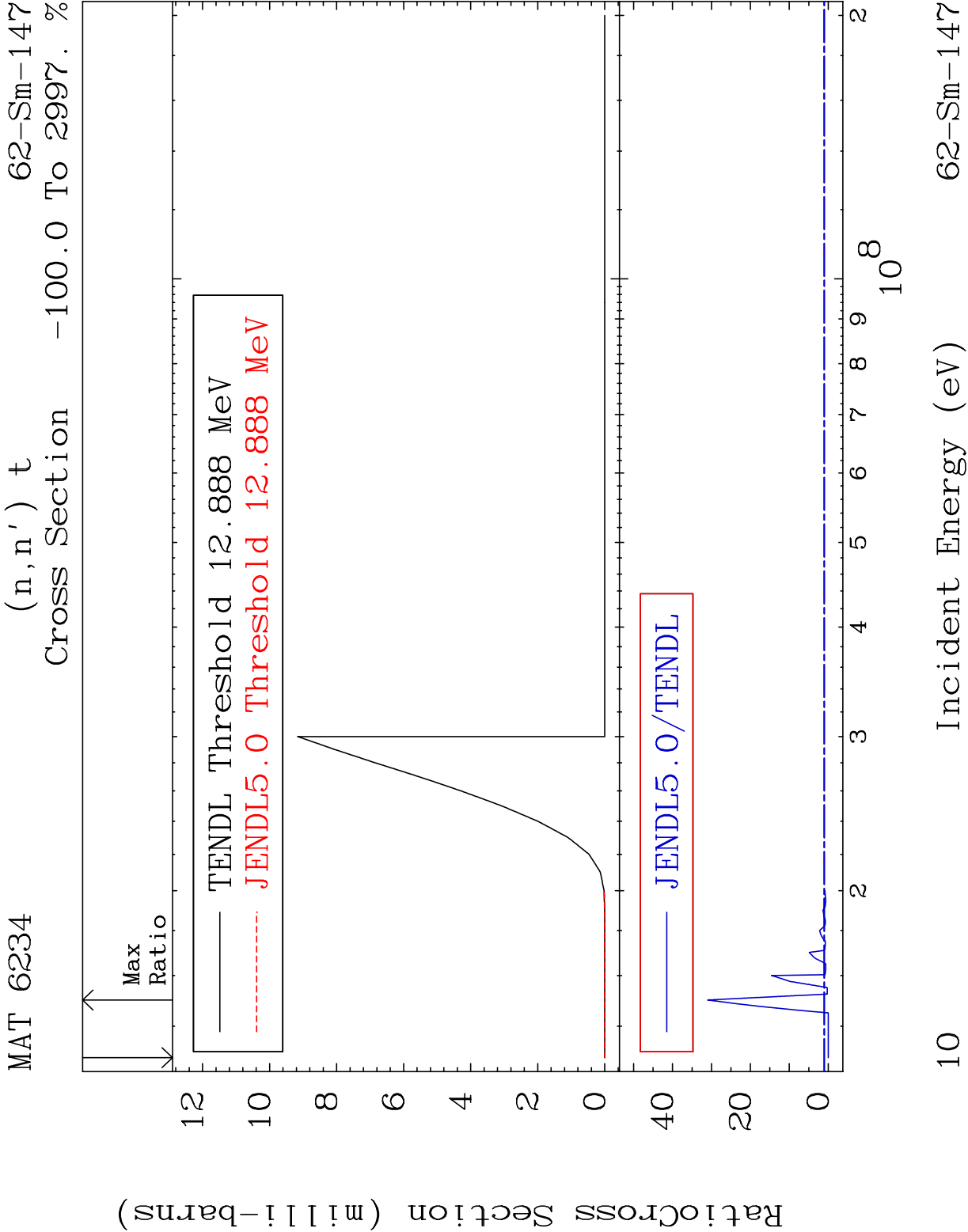


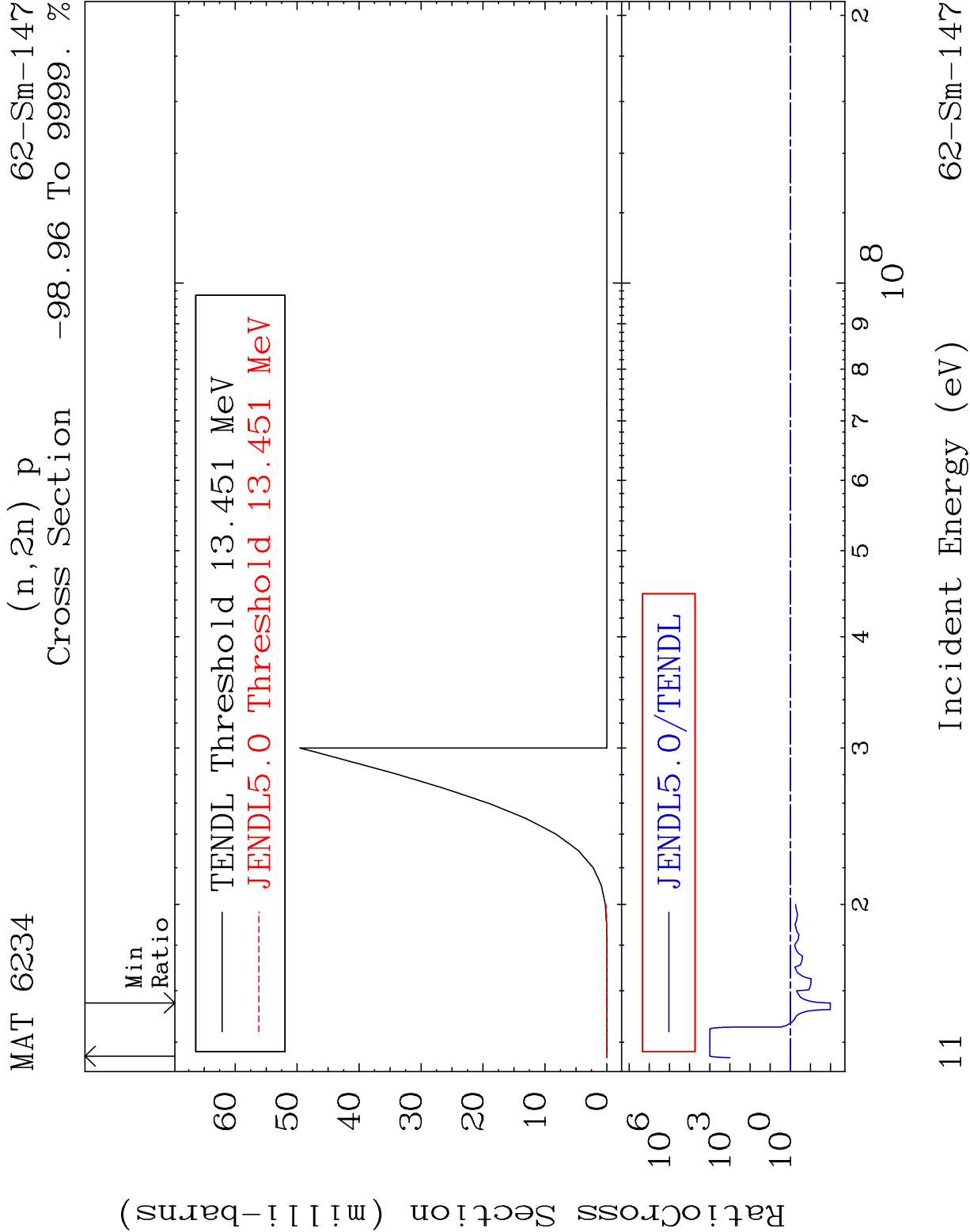




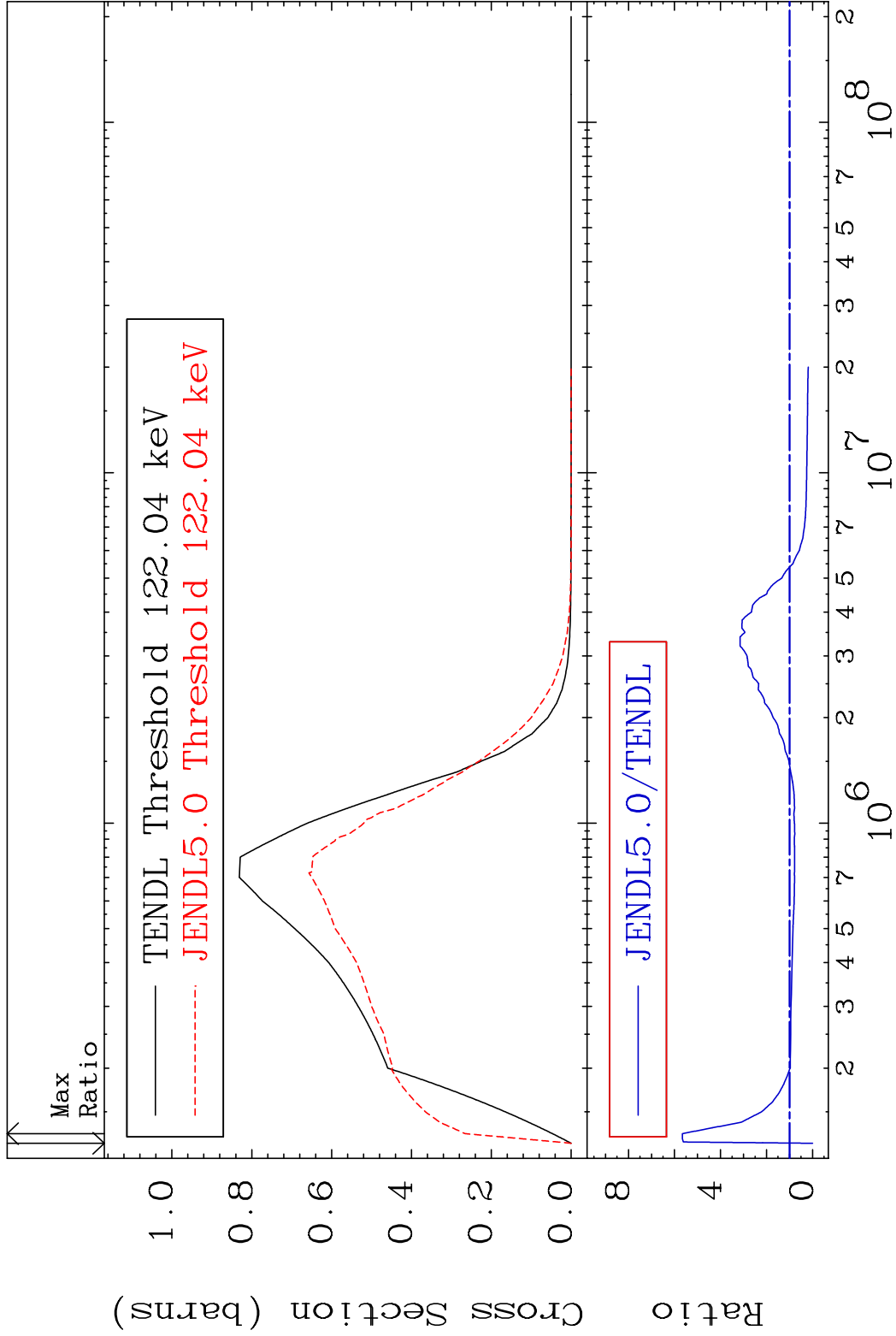




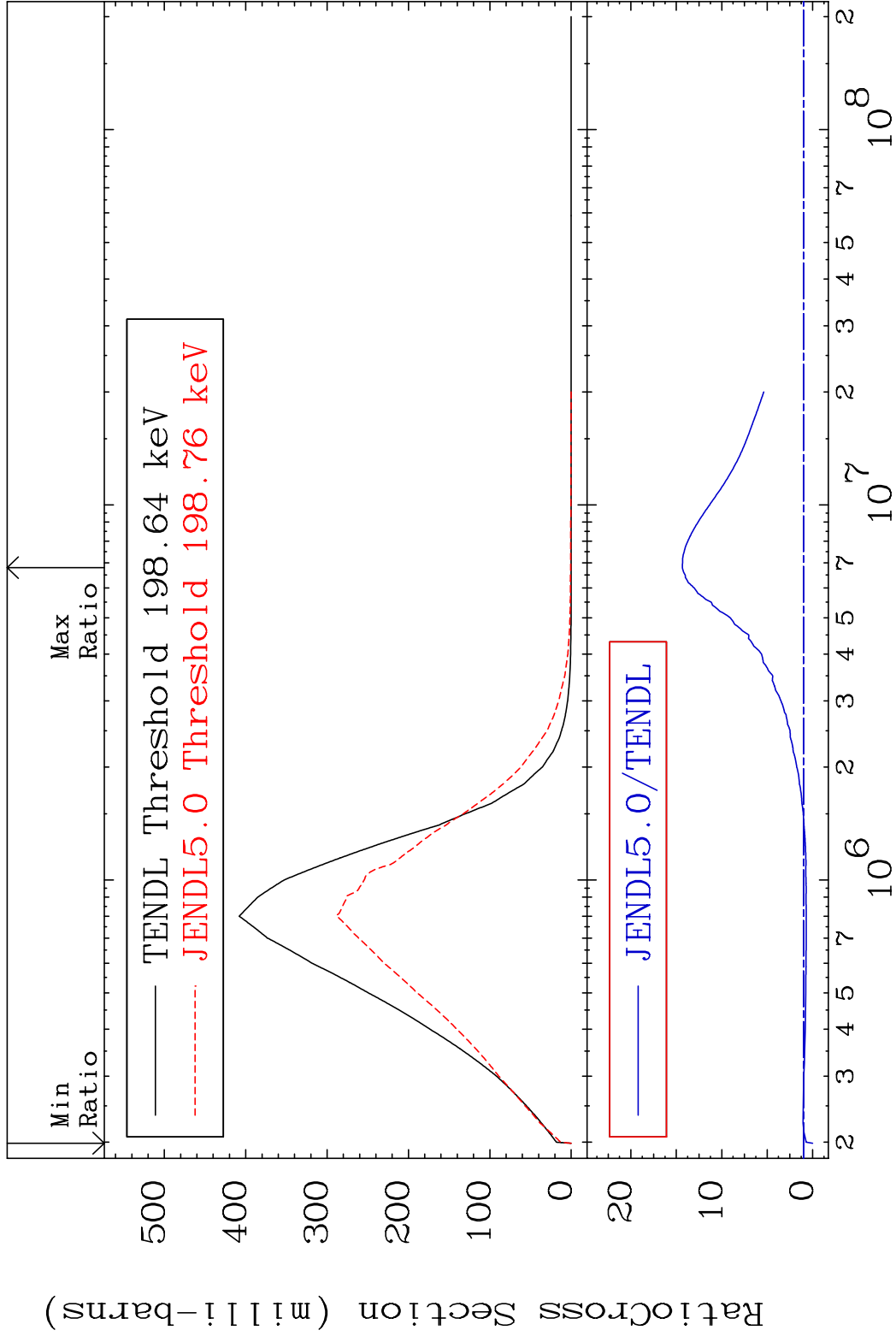




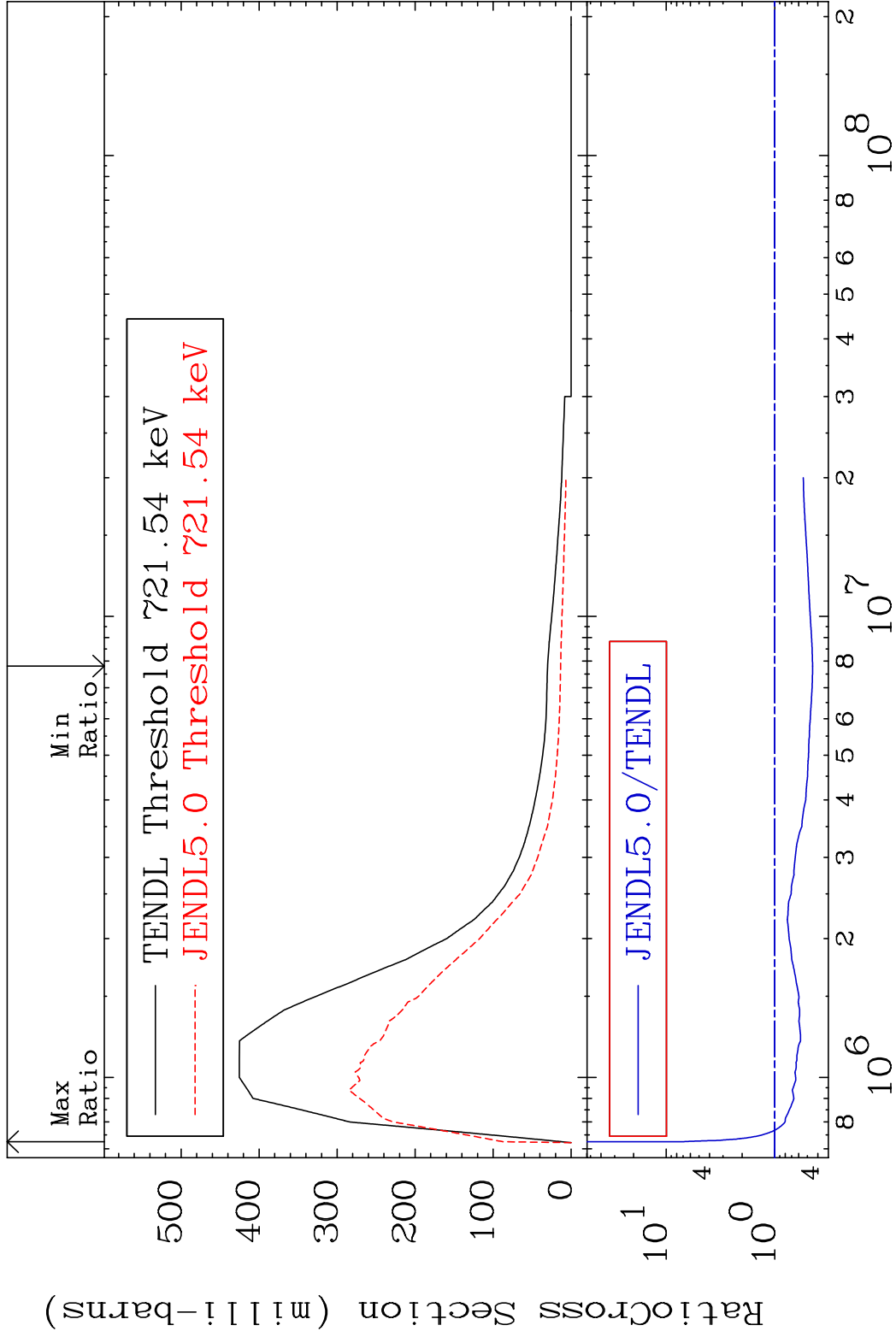
MAT 6234 MT= 51 (n,n') Level 62-Sm-147
Cross Section -100.0 To 465.9 %



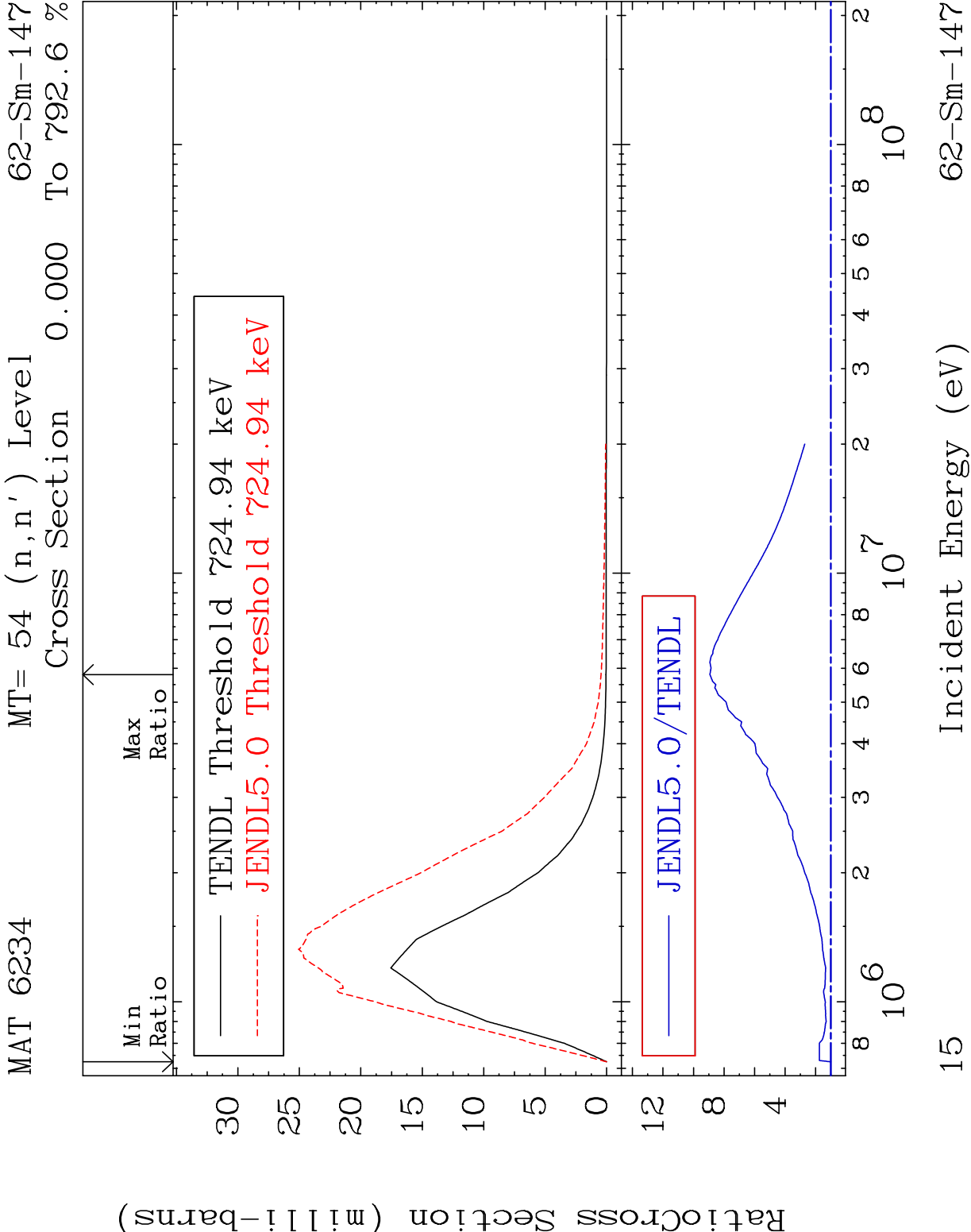
MAT 6234 MT= 52 (n,n') Level 62-Sm-147
Cross Section -100.0 To 1334. %



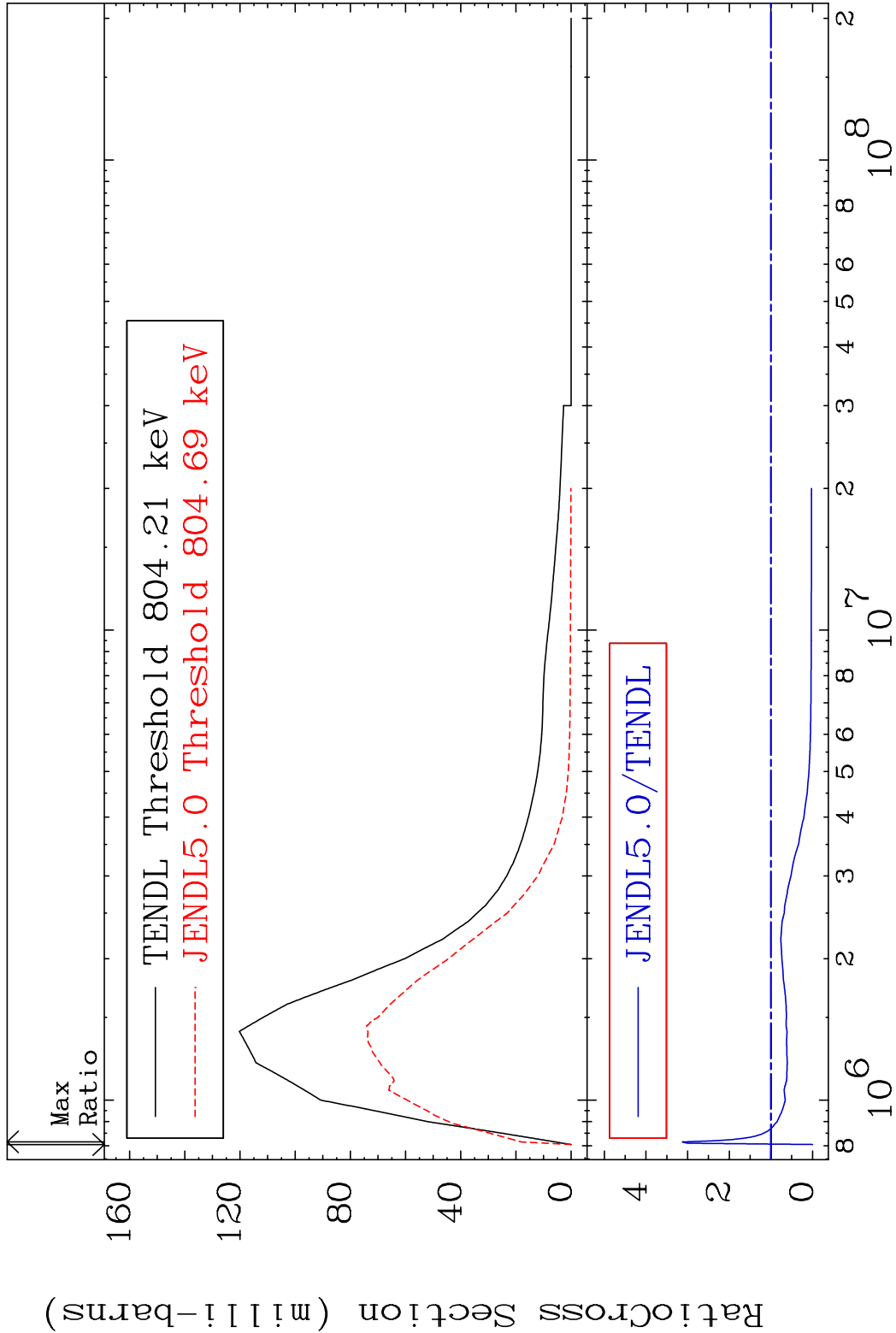
MAT 6234 MT= 53 (n,n') Level 62-Sm-147
Cross Section -55.22 To 611.0 %



14 Incident Energy (eV) 62-Sm-147

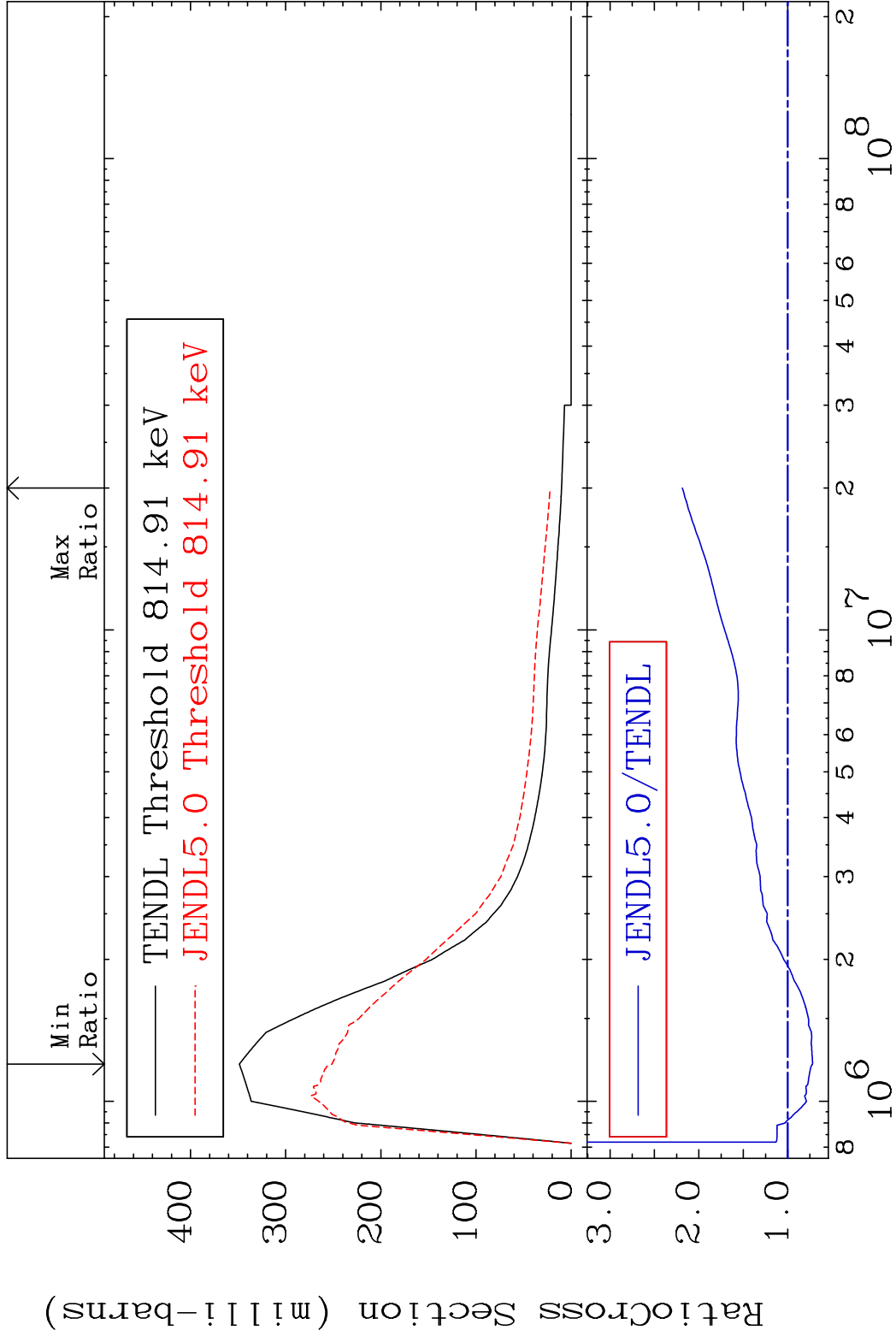


MAT 6234 MT= 55 (n,n') Level 62-Sm-147
Cross Section -100.0 To 212.6 %



16 Incident Energy (eV) 62-Sm-147

MAT 6234 MT= 56 (n,n') Level 62-Sm-147
Cross Section -27.92 To 118.6 %



17 Incident Energy (eV) 62-Sm-147

MAT 6234

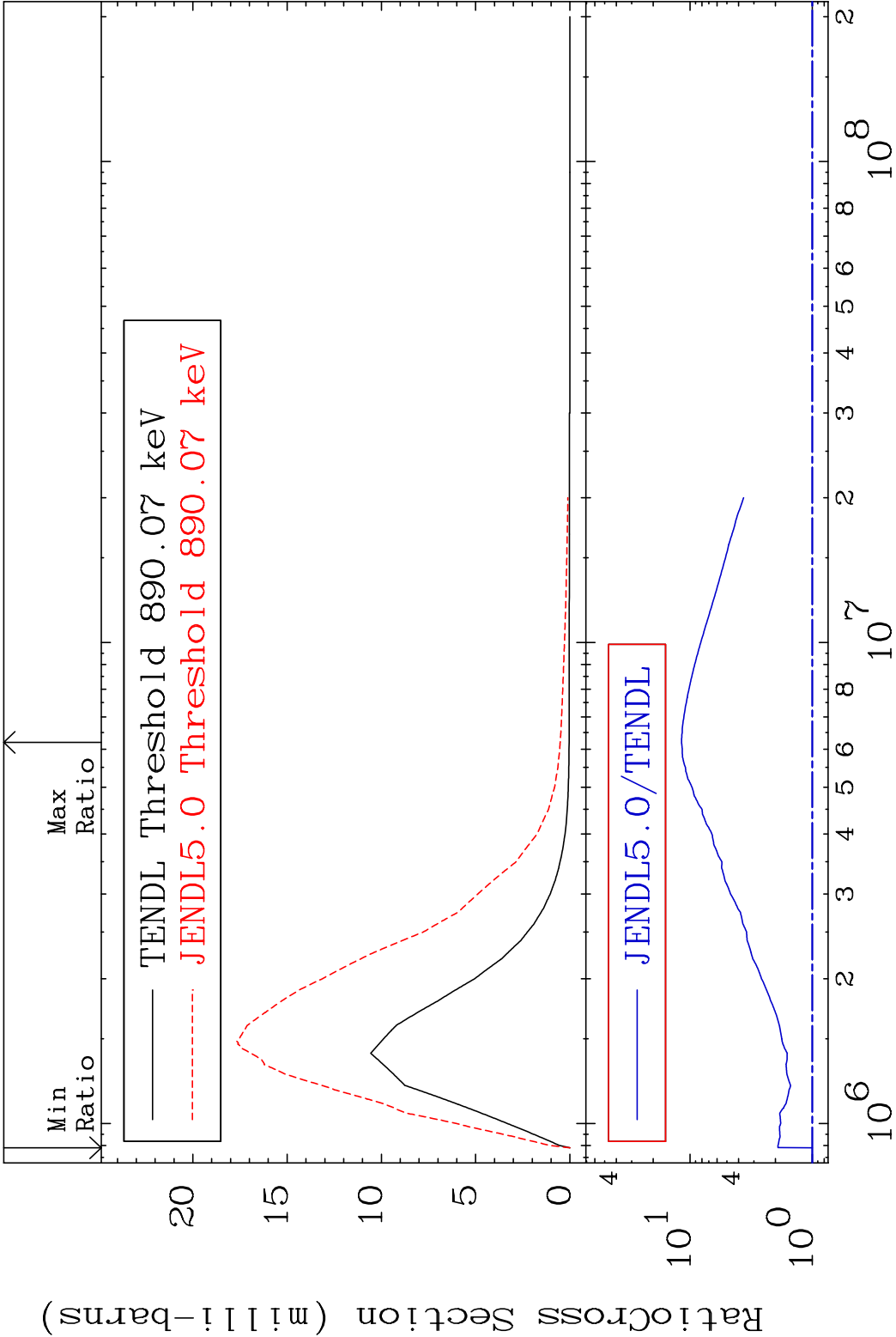
MT= 57 (n,n') Level

62-Sm-147

Cross Section

0.000

To 1073. %

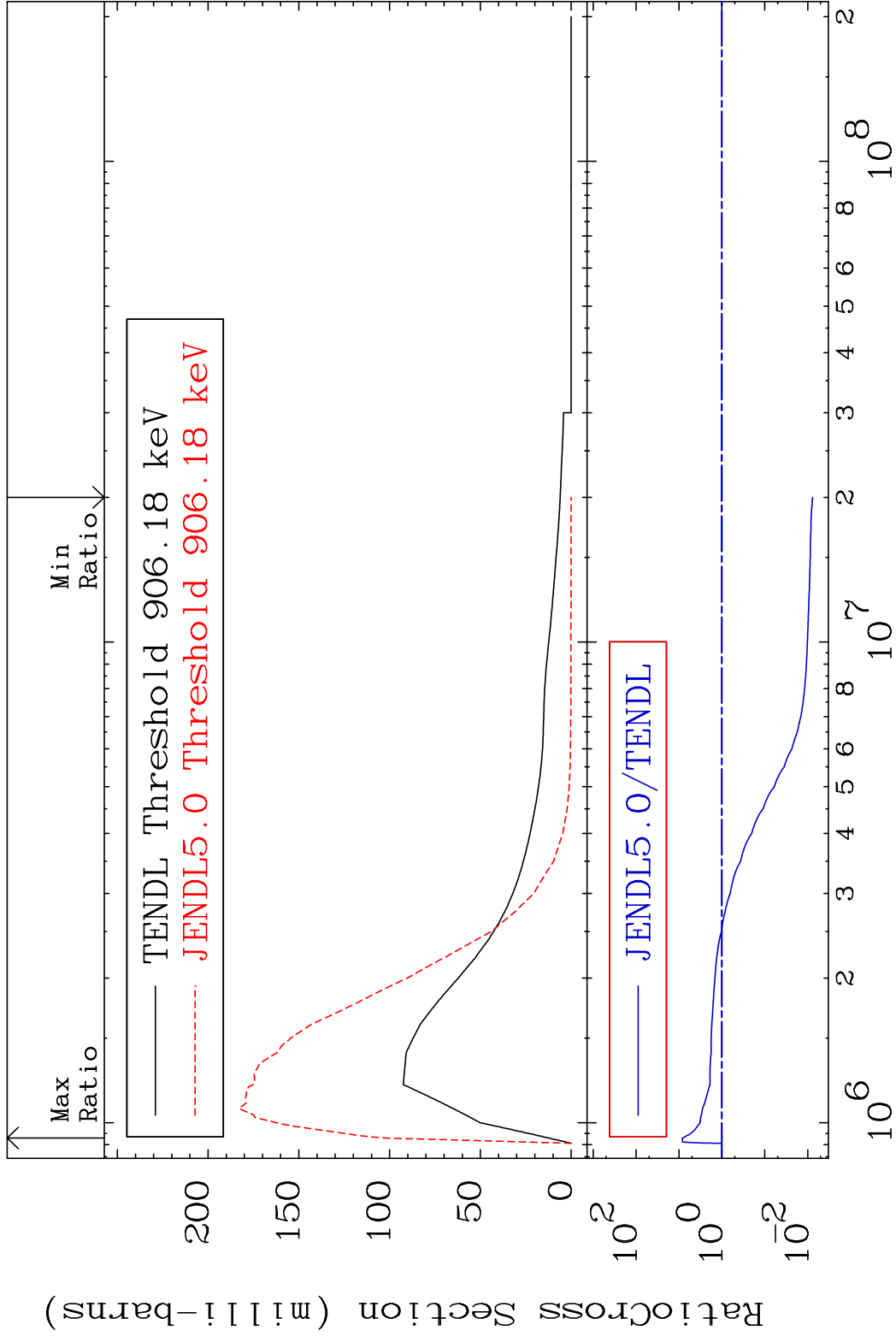


18

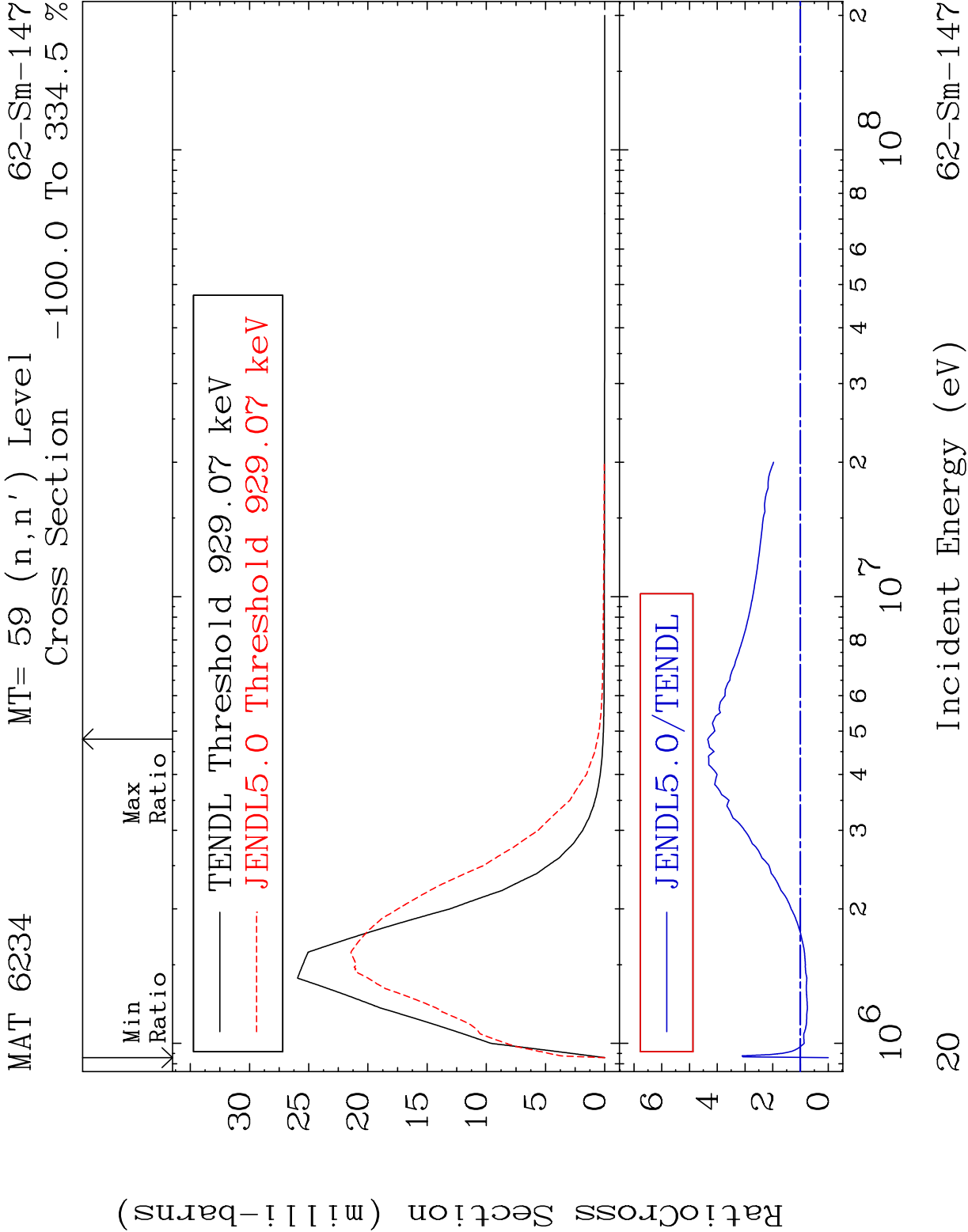
Incident Energy (eV)

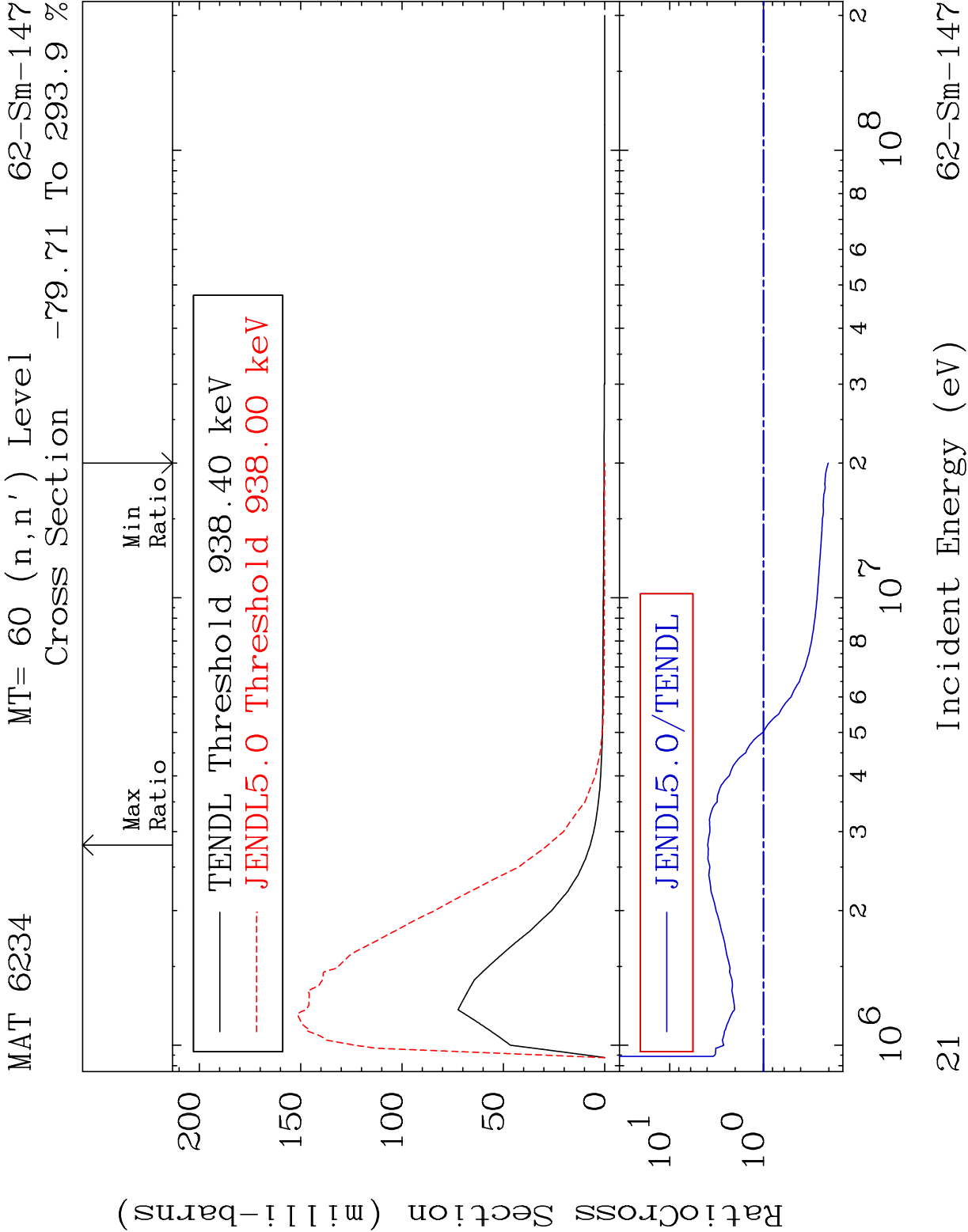
62-Sm-147

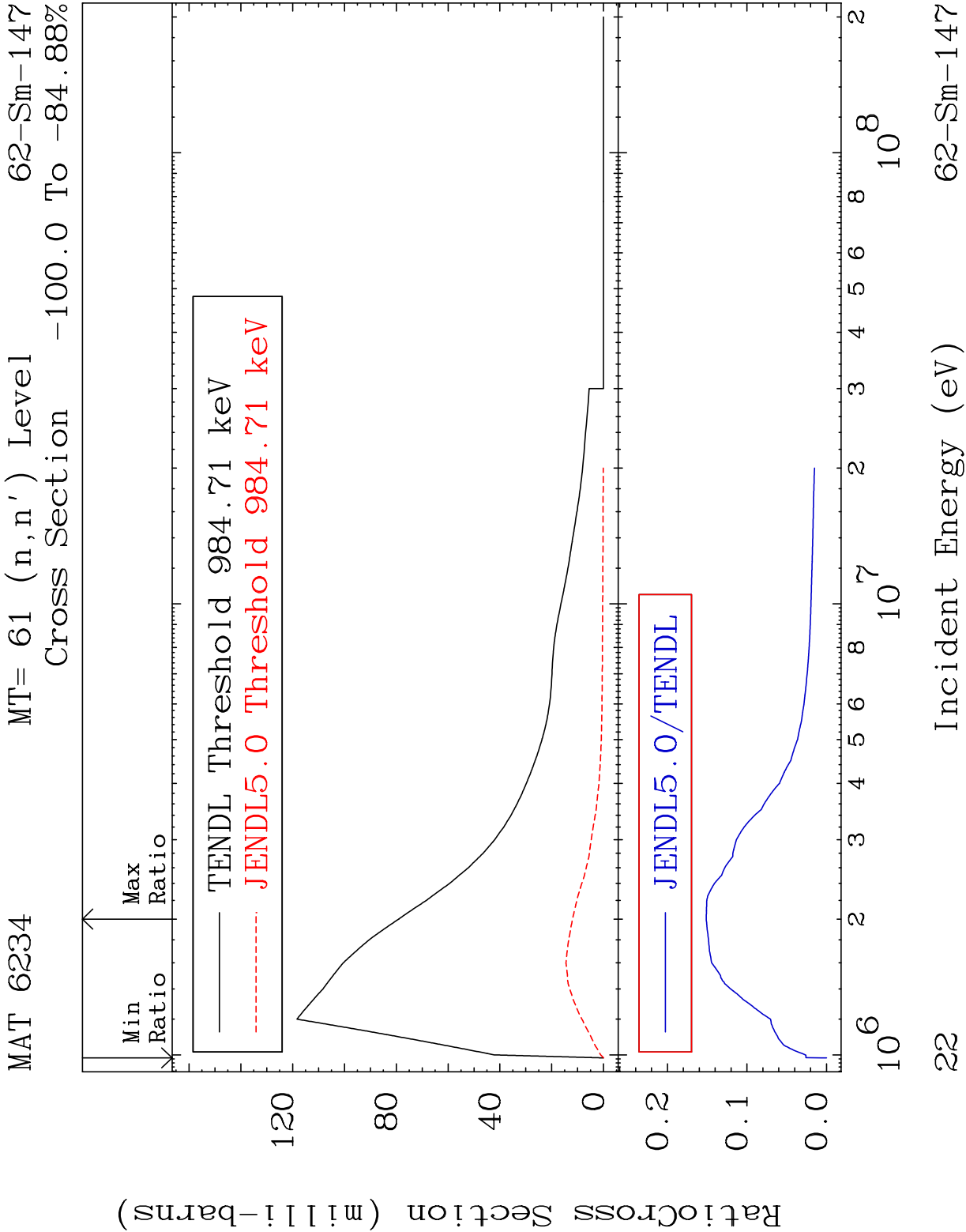
MAT 6234 MT= 58 (n,n') Level 62-Sm-147
Cross Section -99.23 To 734.6 %



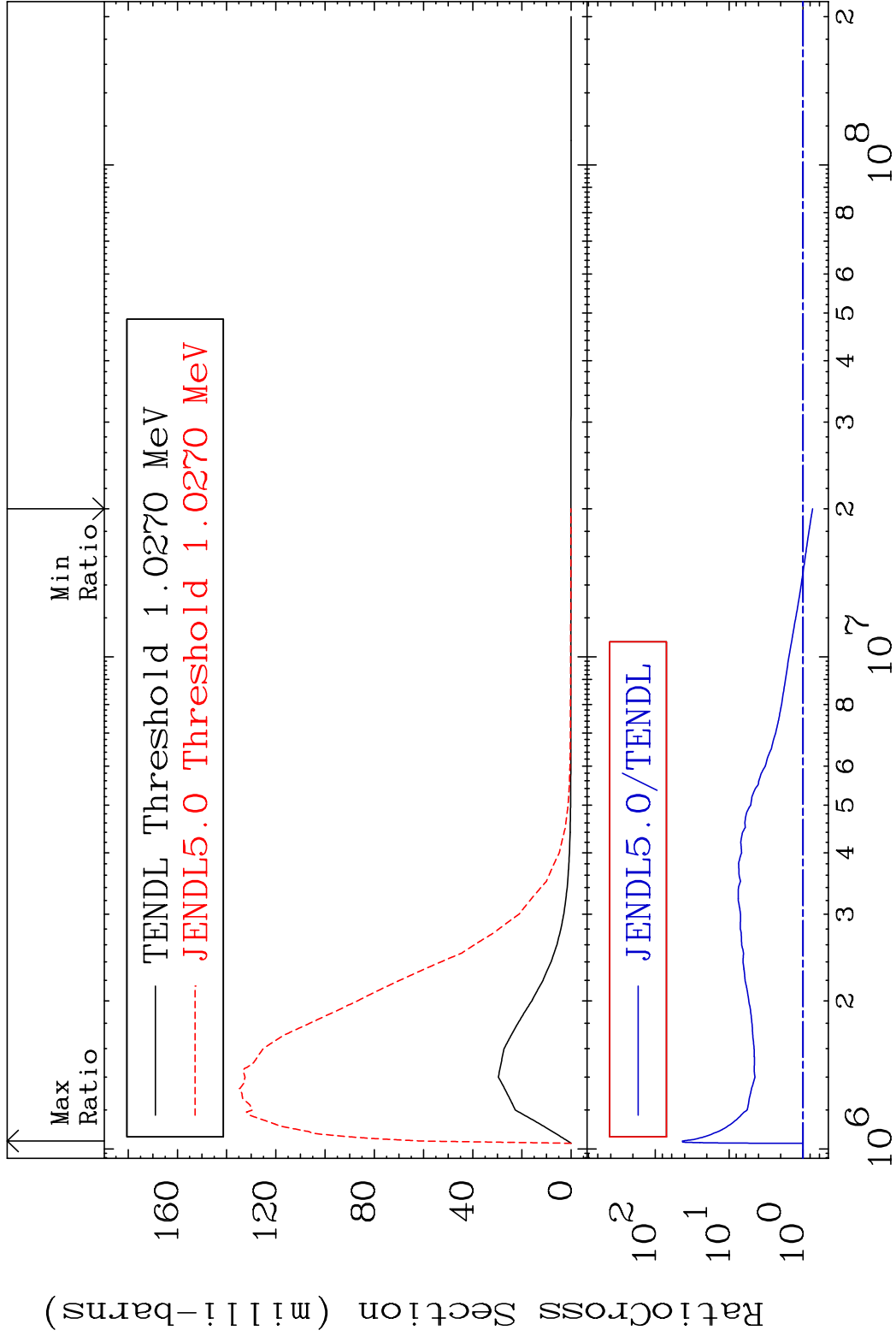
19 Incident Energy (eV) 62-Sm-147





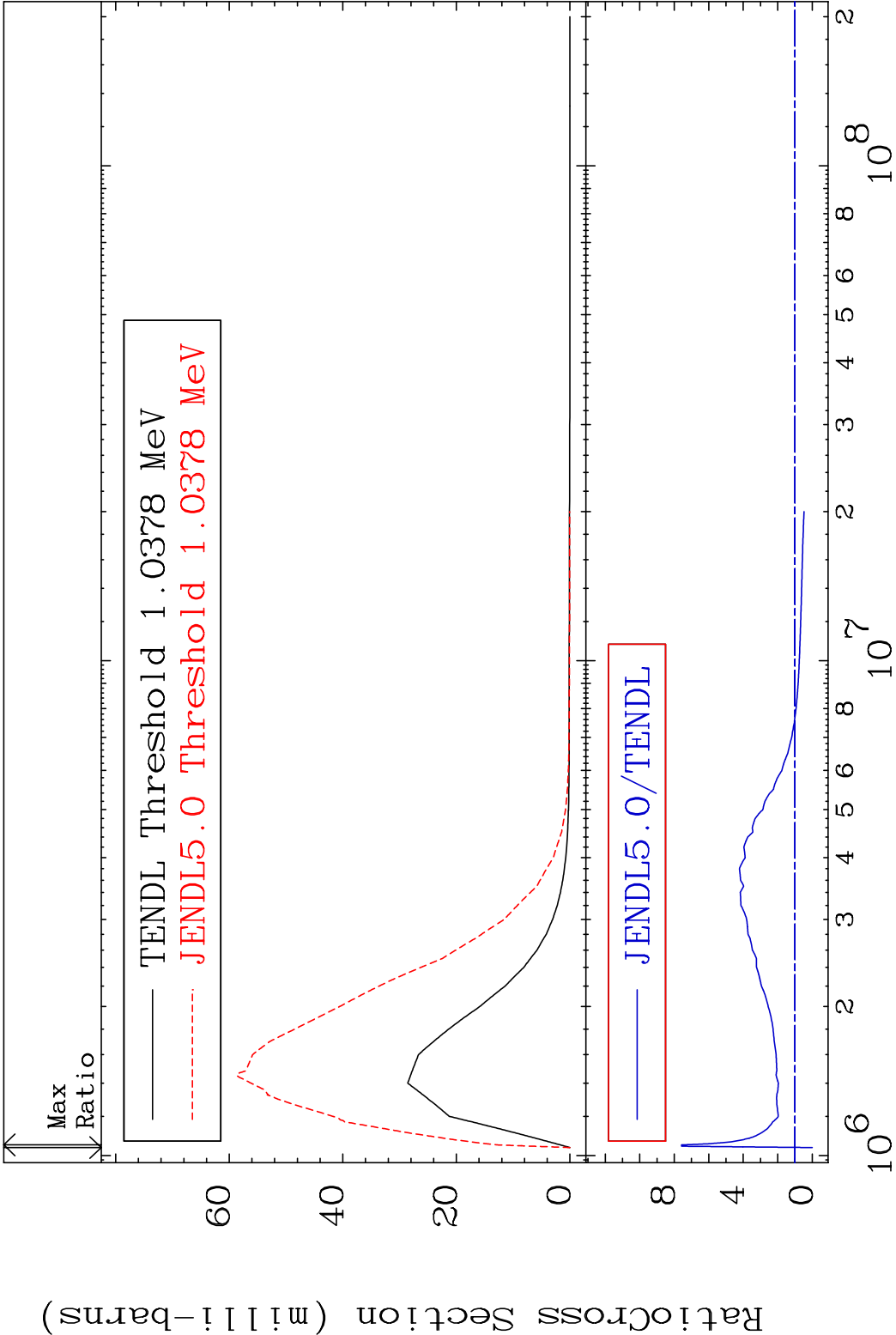


MAT 6234 MT= 62 (n,n') Level 62-Sm-147
Cross Section -25.71 To 4196. %



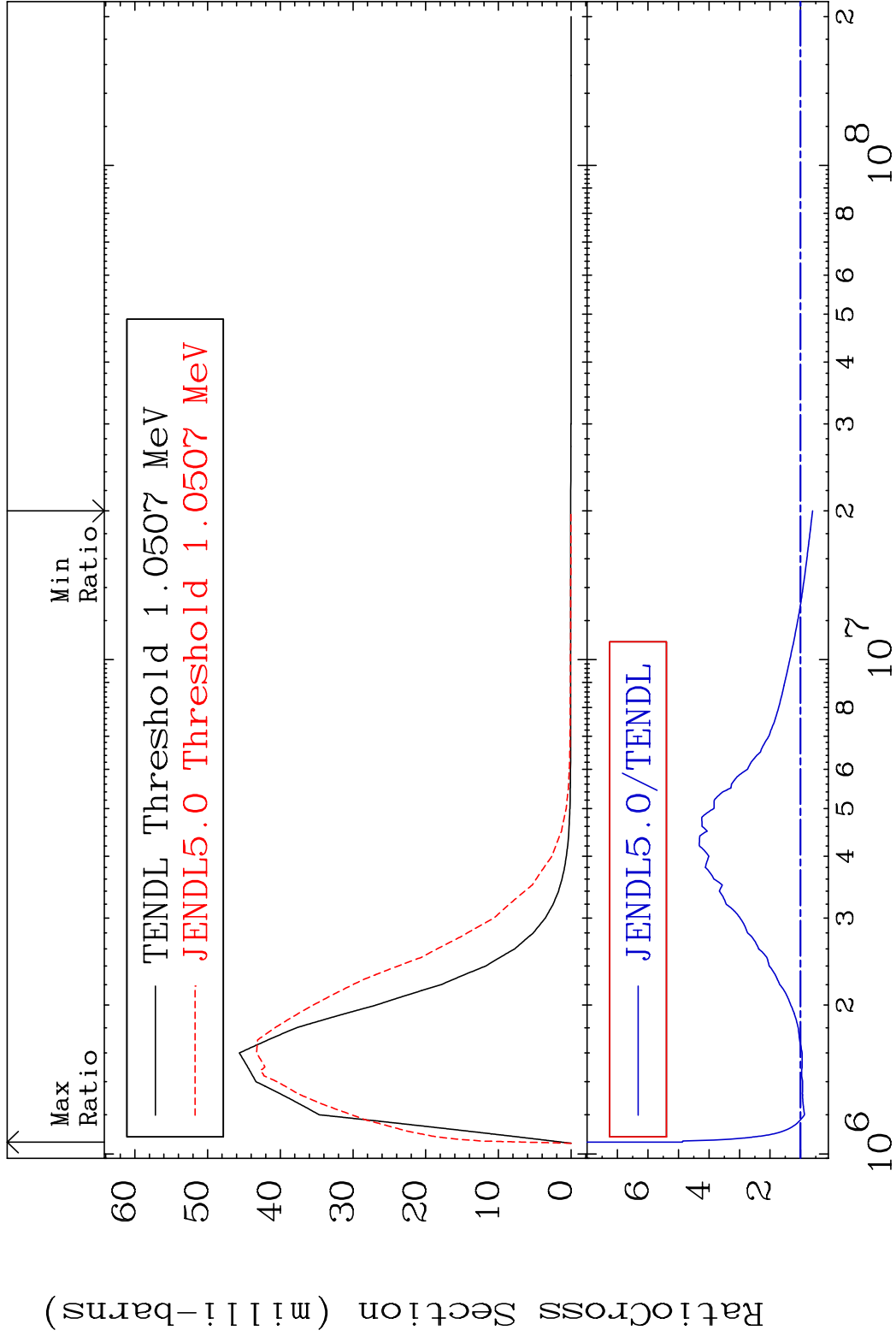
23 Incident Energy (eV) 62-Sm-147

MAT 6234 MT= 63 (n,n') Level 62-Sm-147
Cross Section -100.0 To 657.8 %

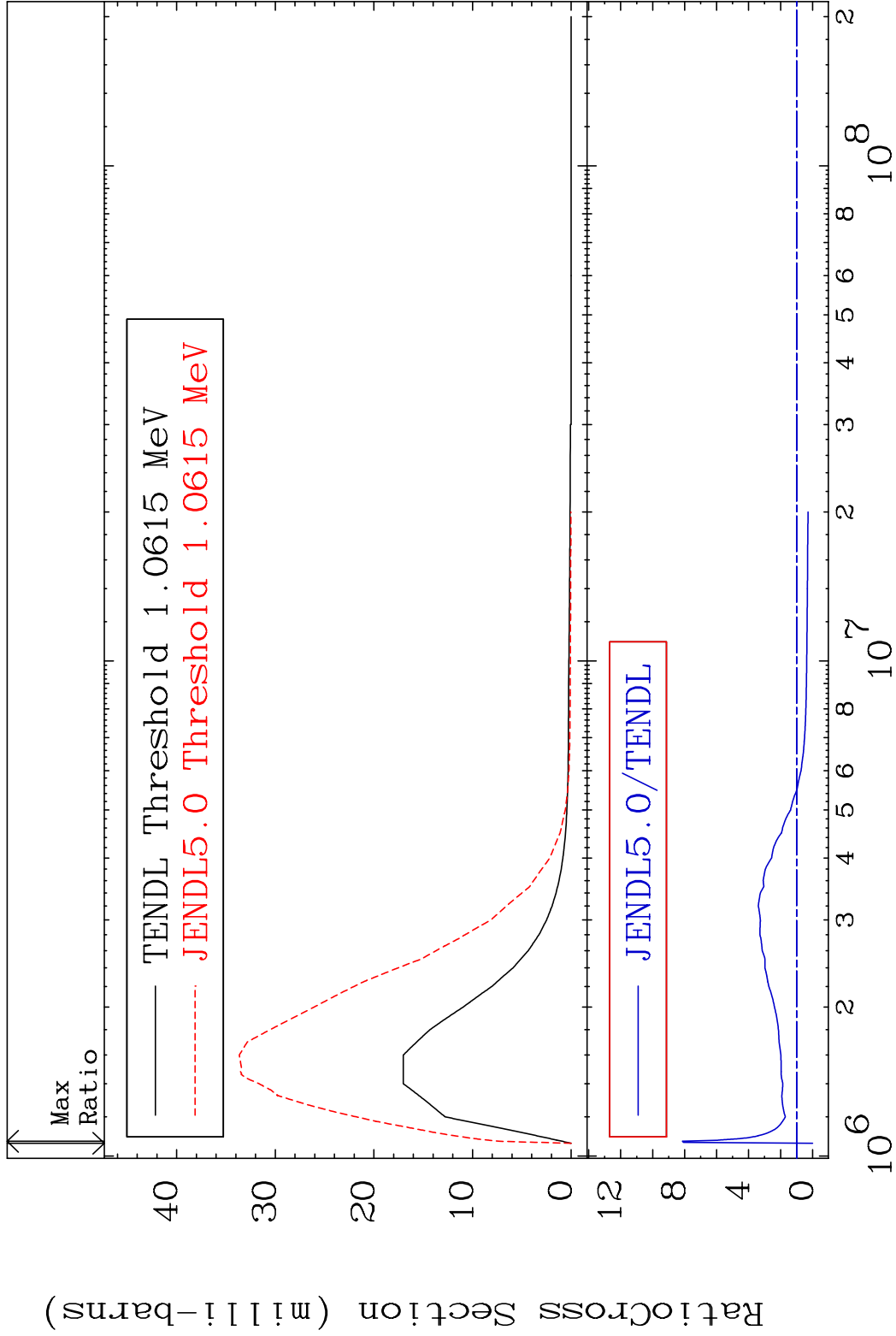


24 Incident Energy (eV) 62-Sm-147

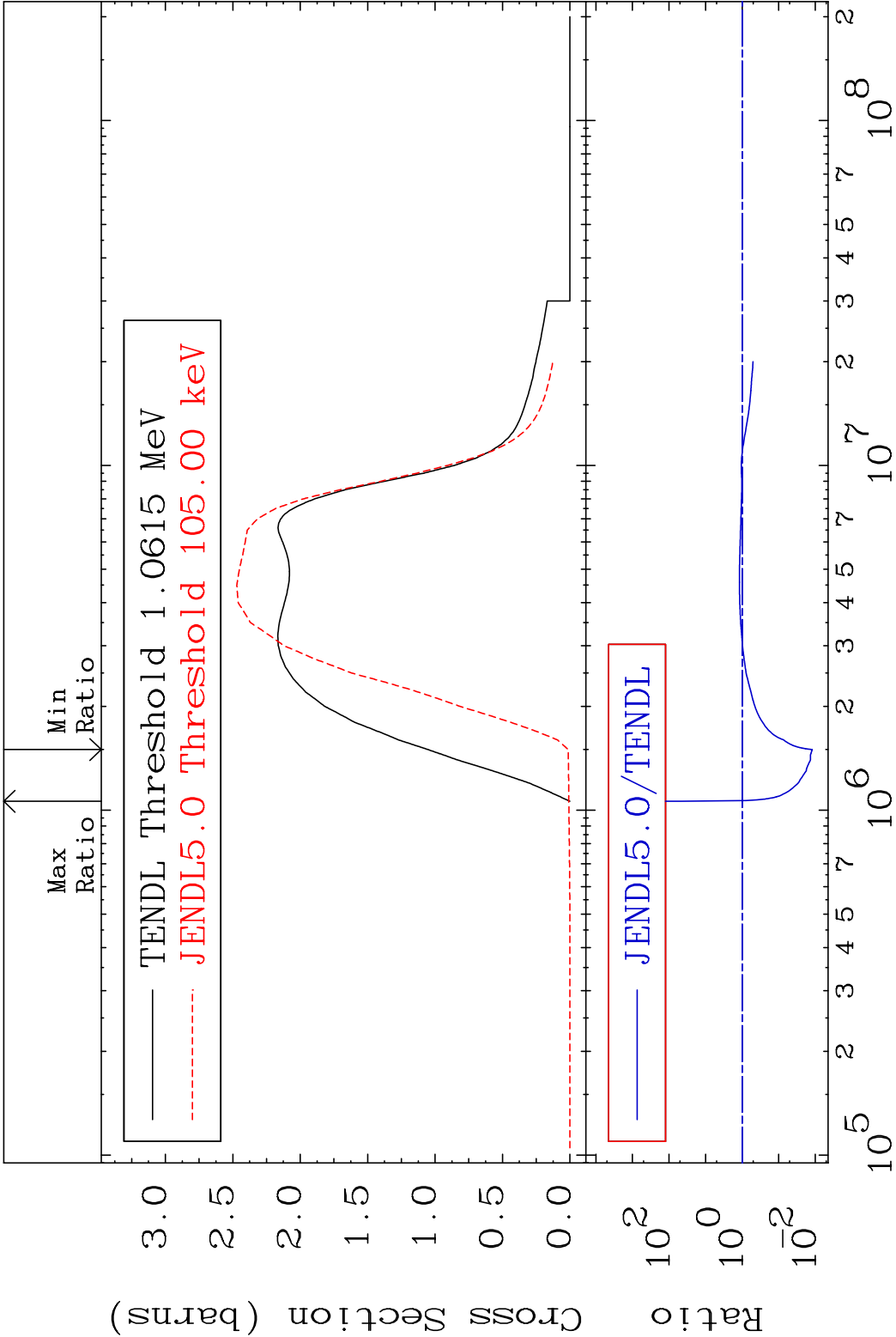
MAT 6234 MT= 64 (n,n') Level 62-Sm-147
Cross Section -39.27 To 387.4 %

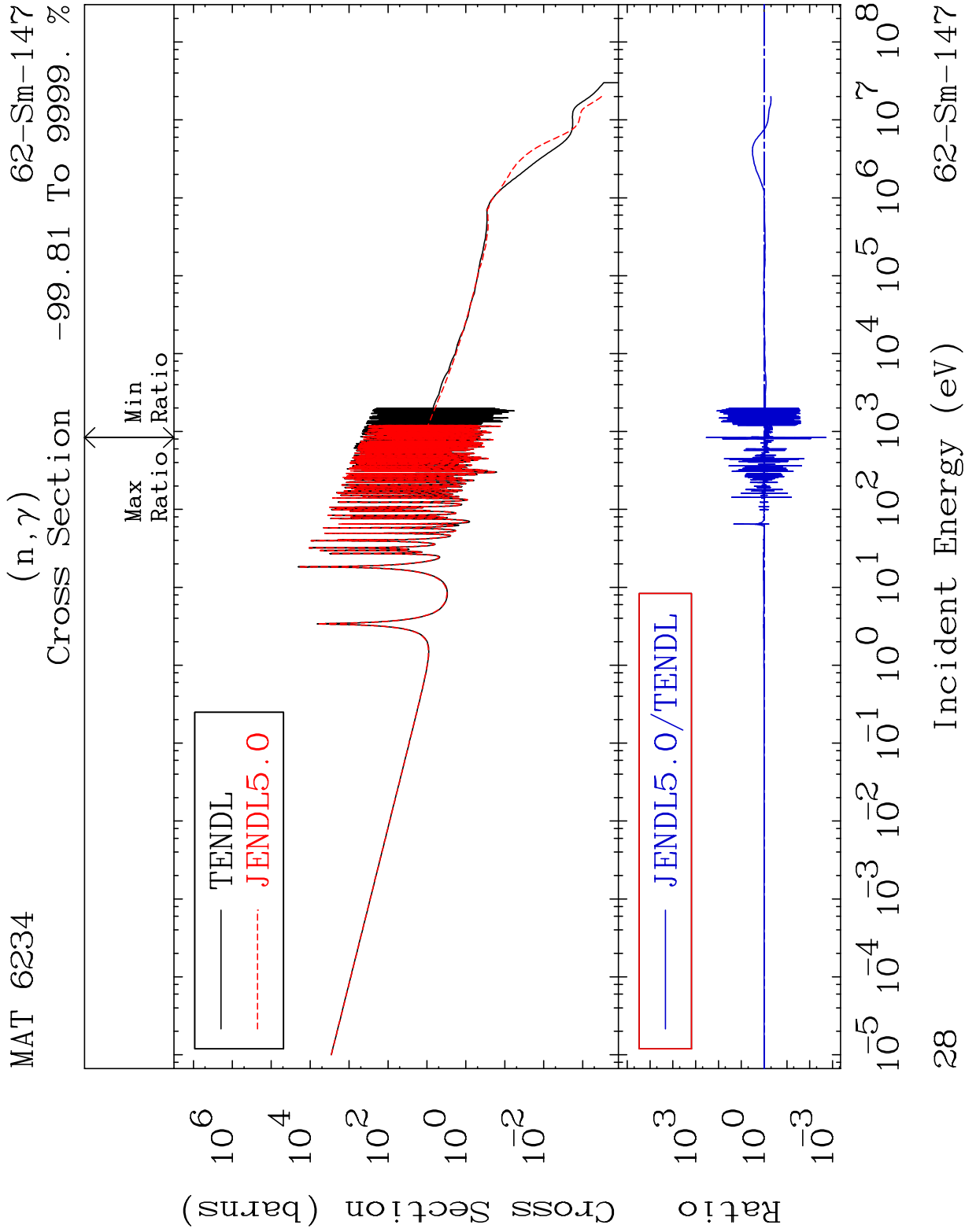


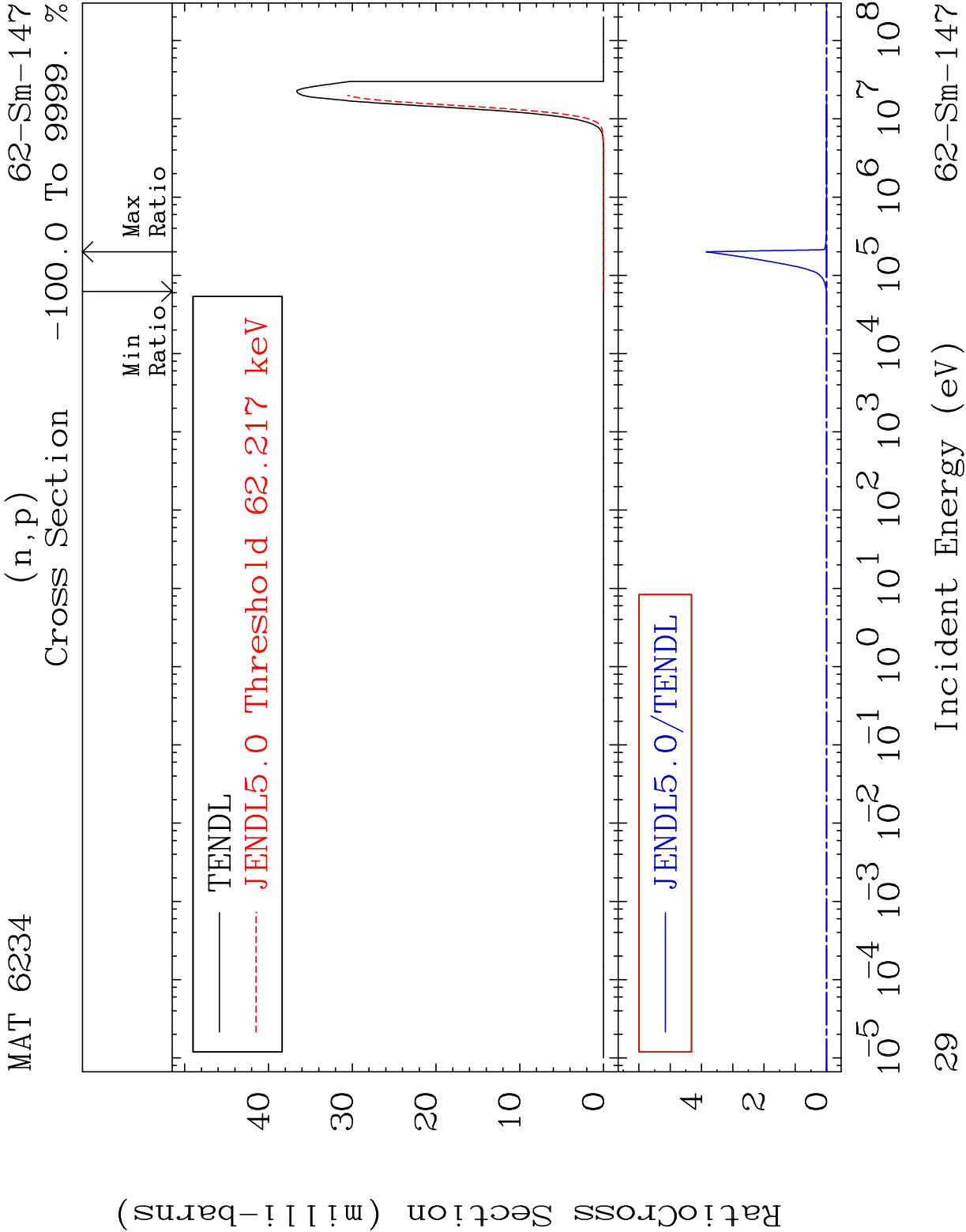
MAT 6234 MT= 65 (n,n') Level 62-Sm-147
Cross Section -100.0 To 714.3 %

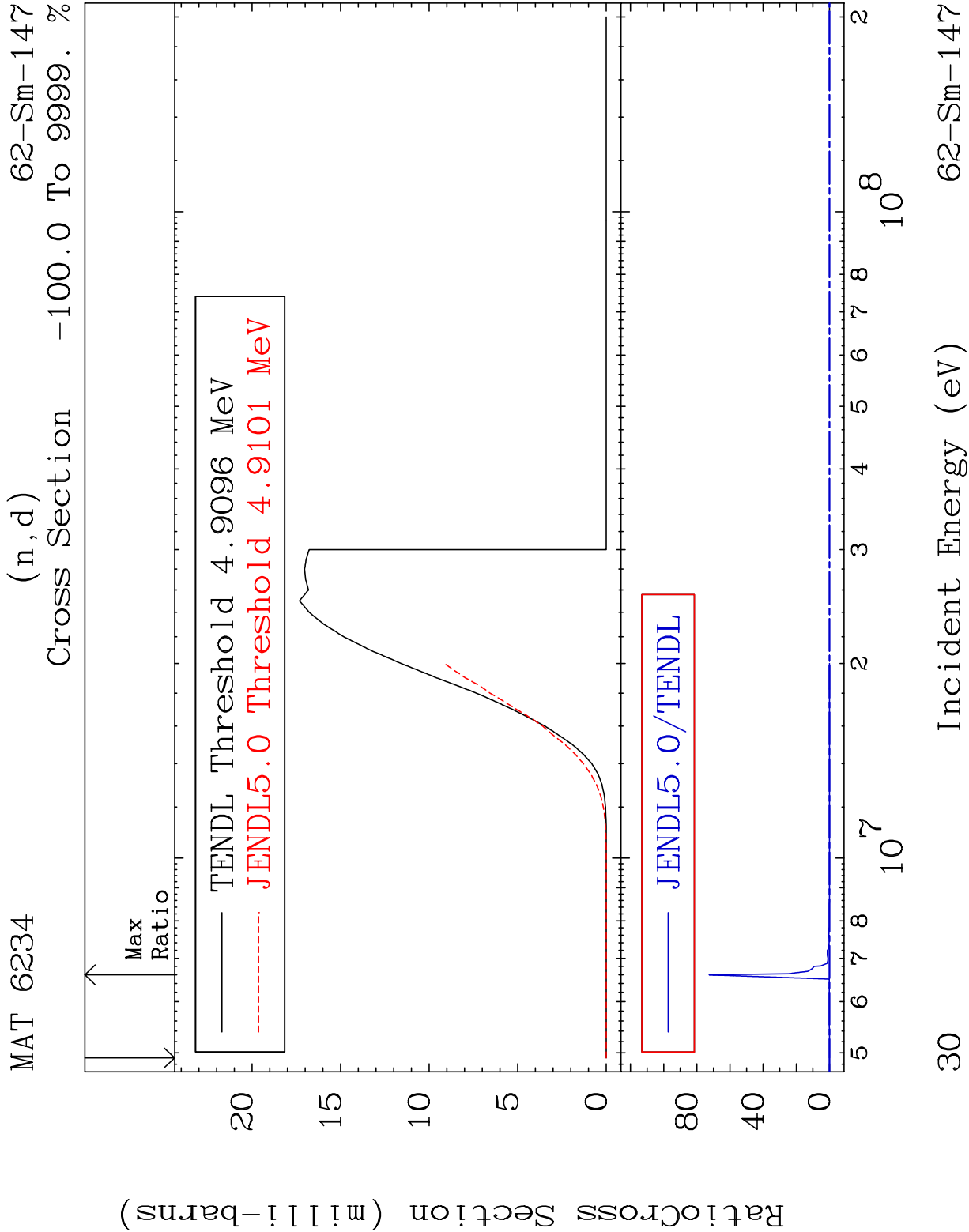


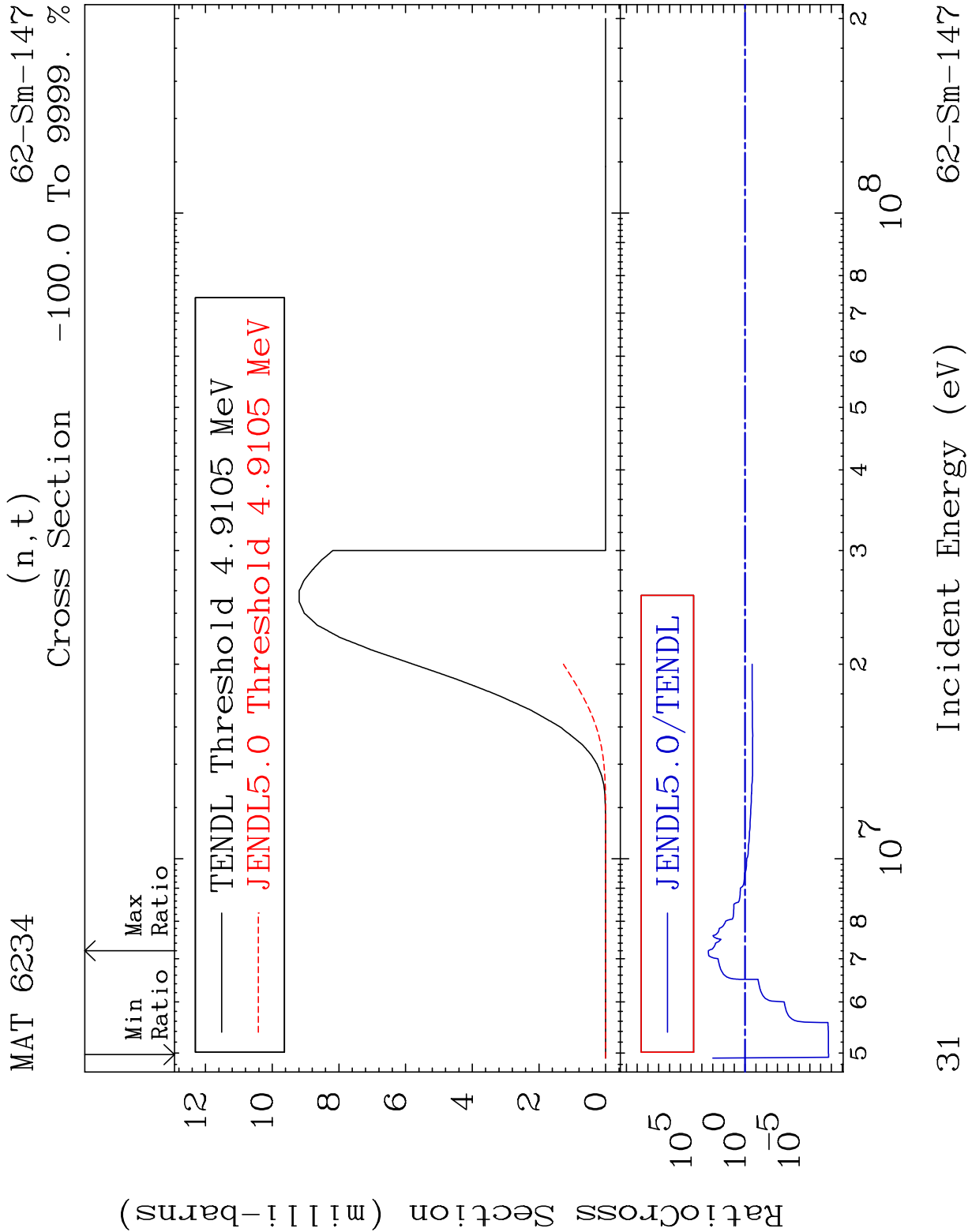
62-Sm-147

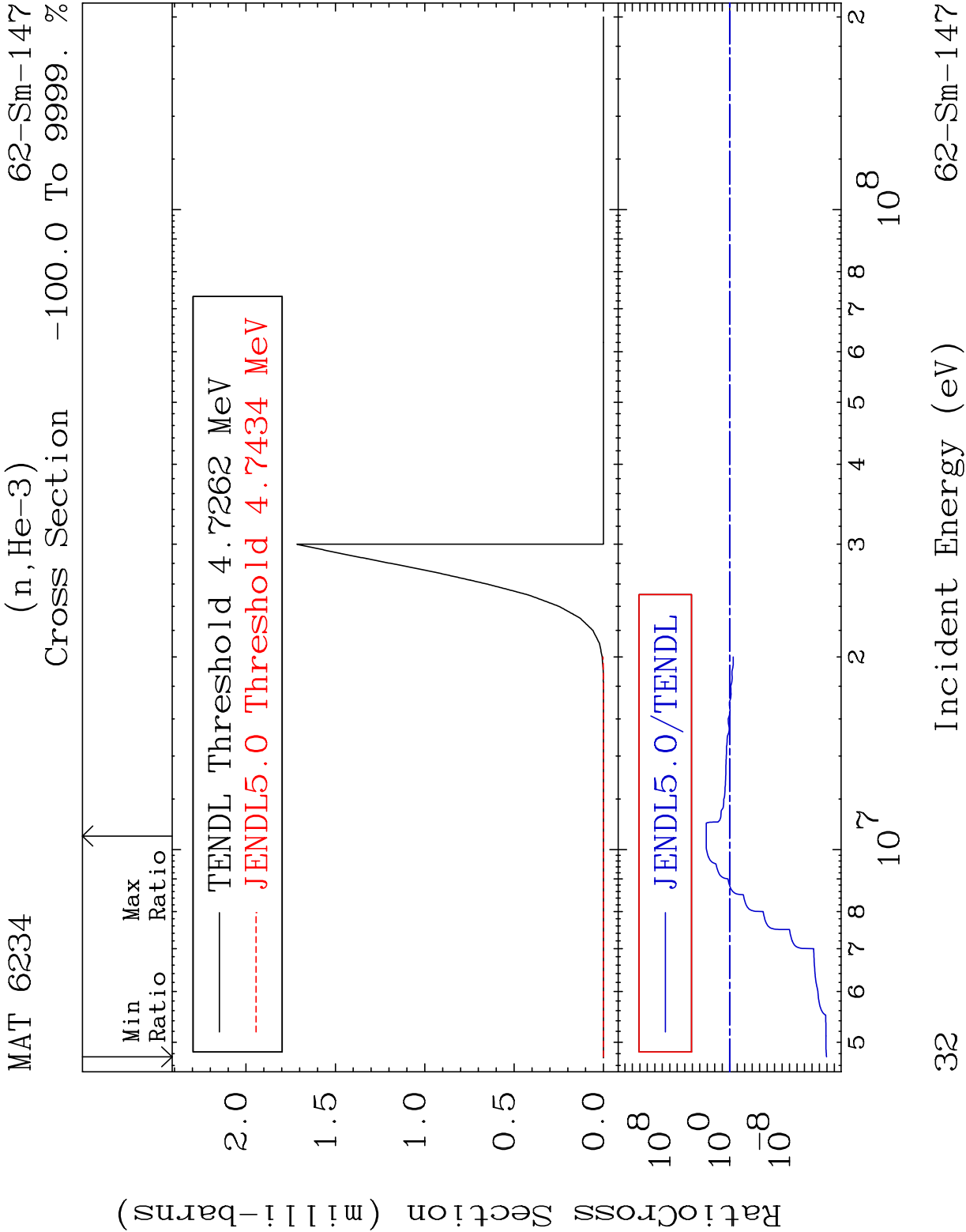










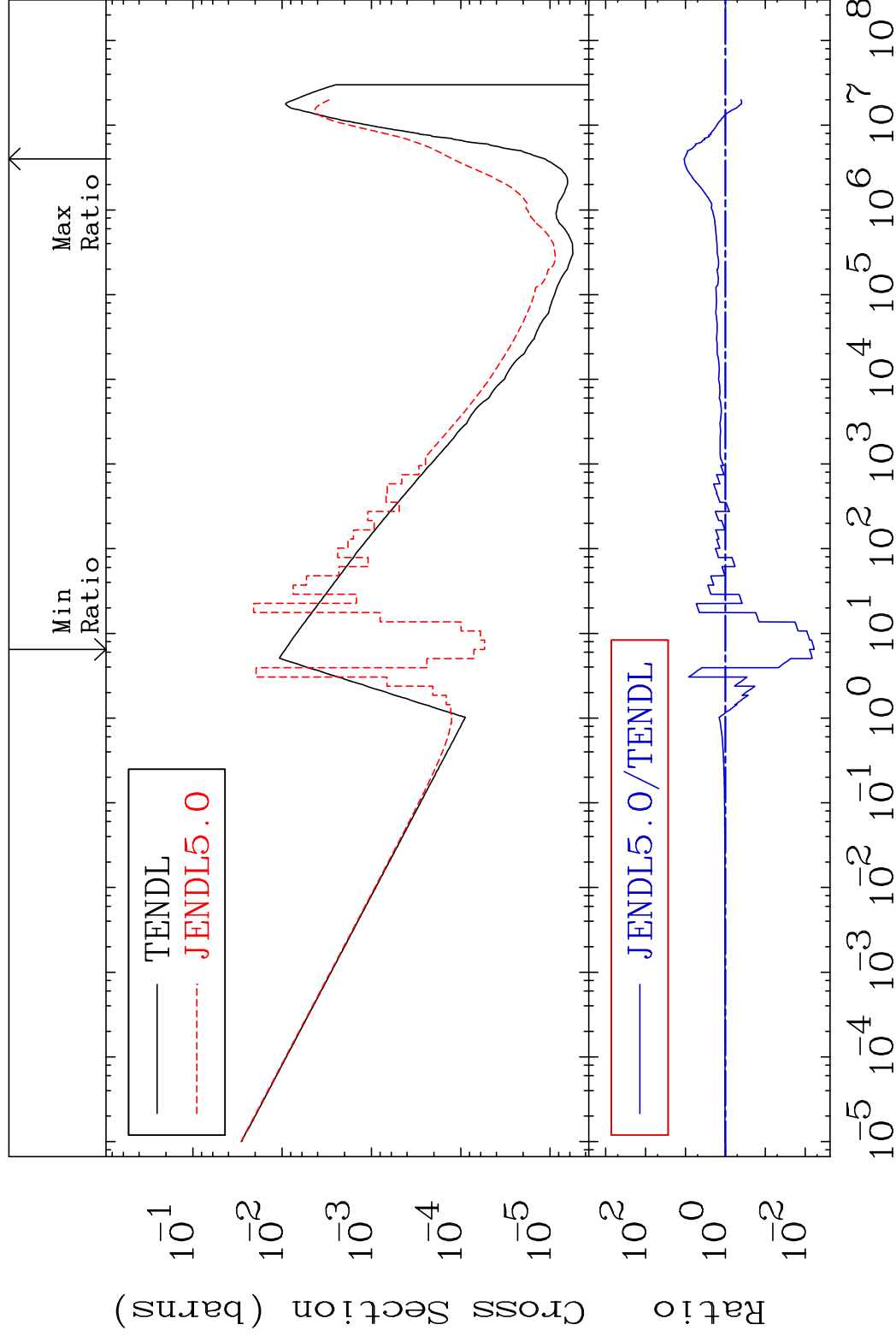


MAT 6234

$$(n, \alpha)$$

62-Sm-147

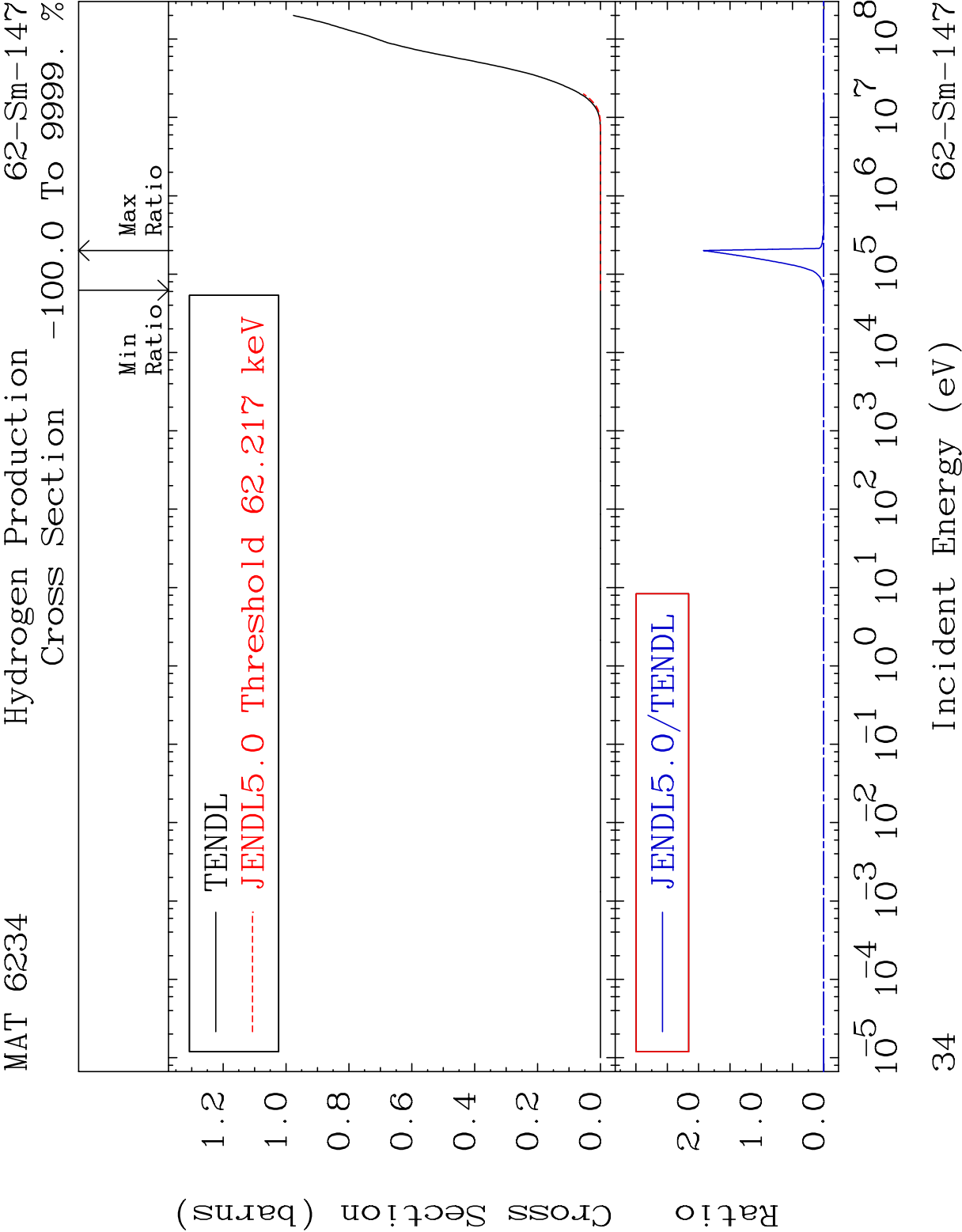
Cross Section -99.41 To 982.1 %

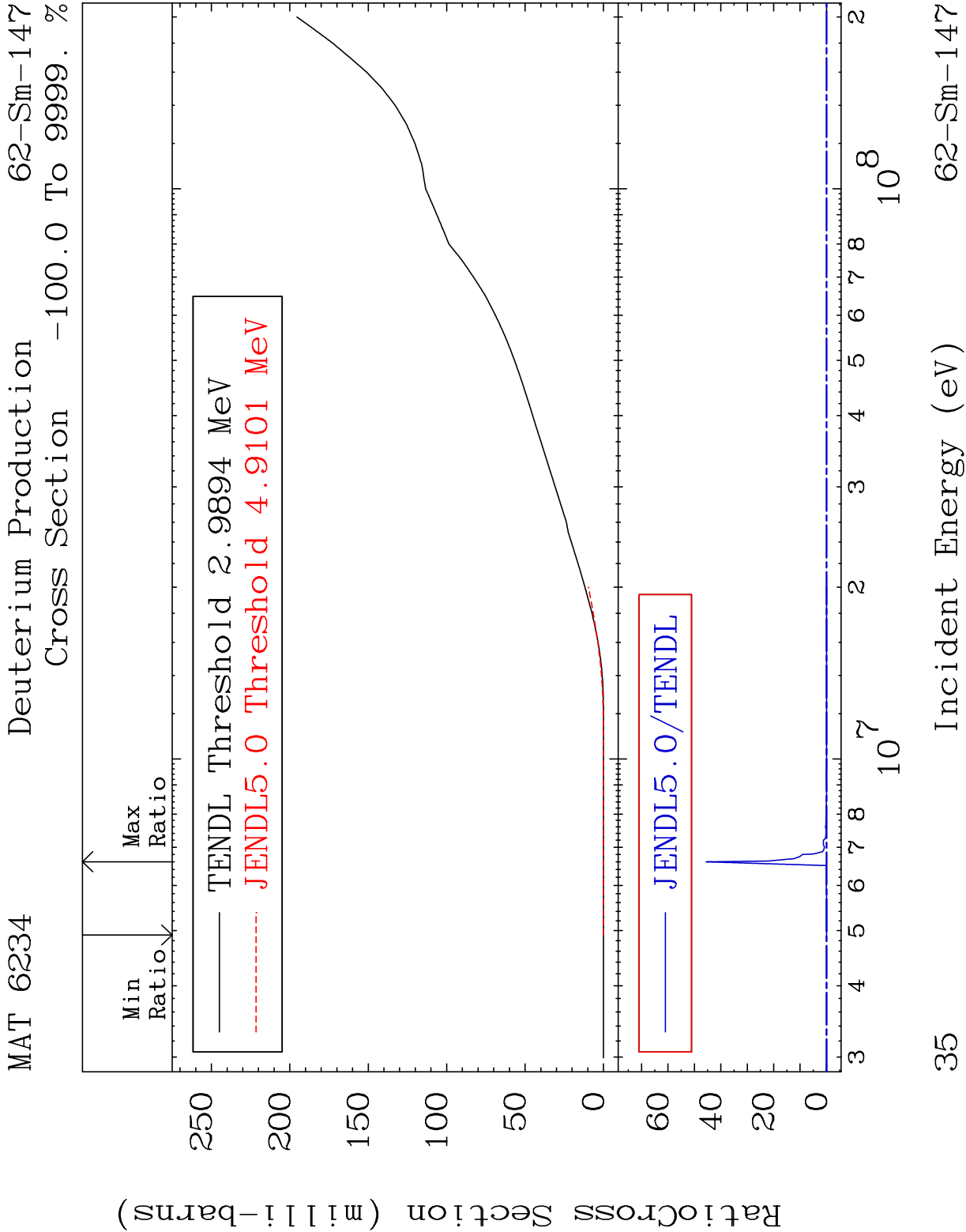


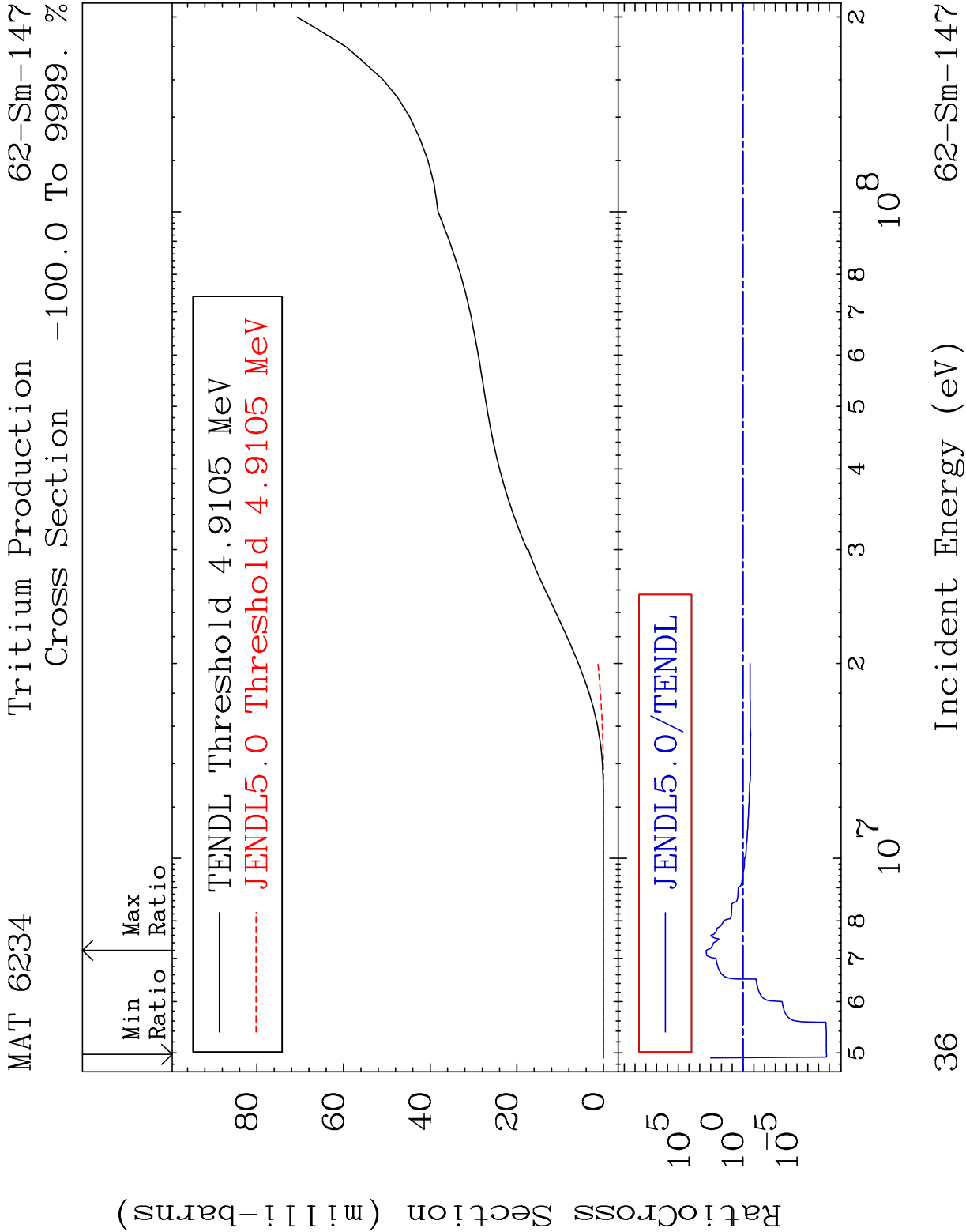
33

Incident Energy (eV)

62-Sm-147





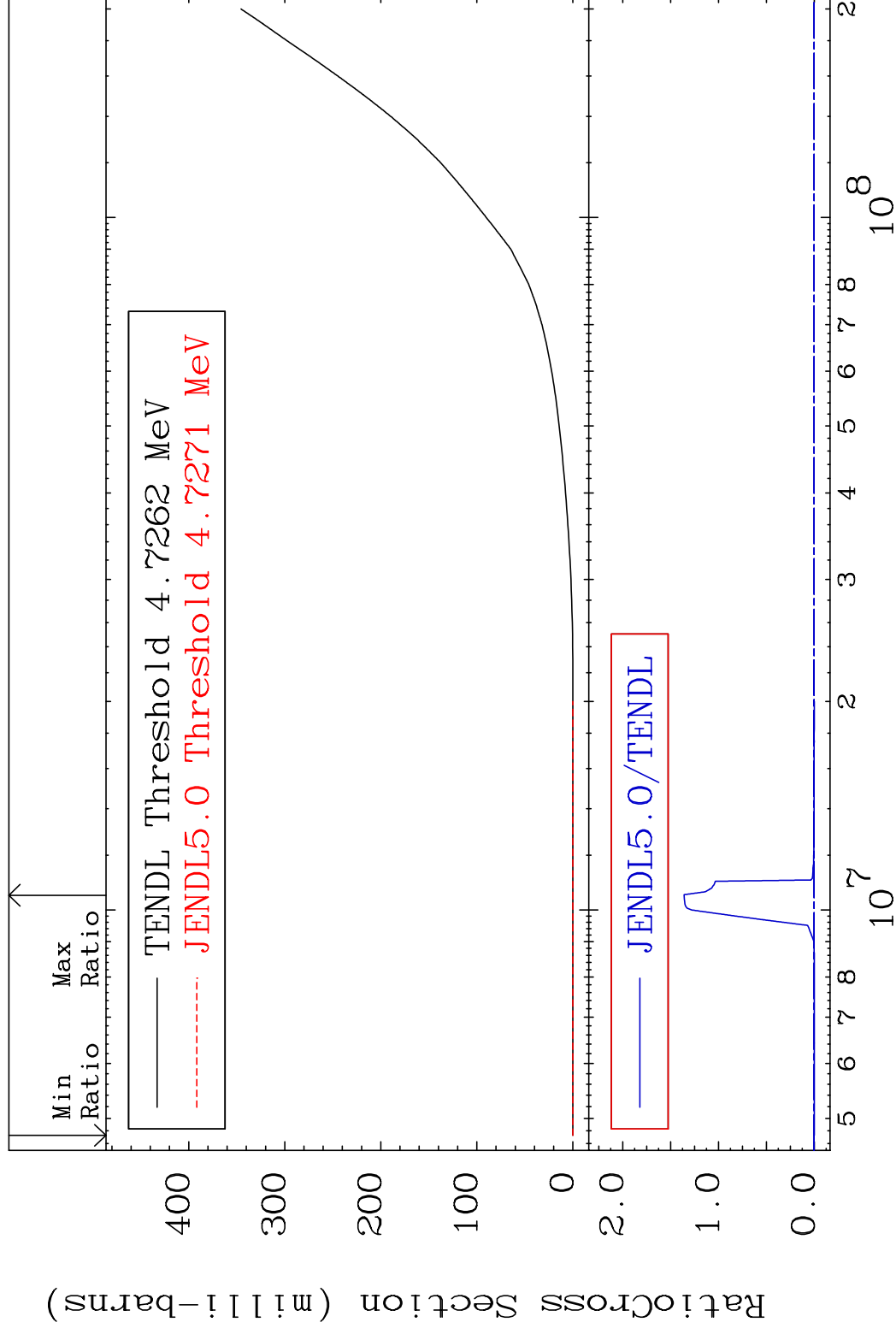


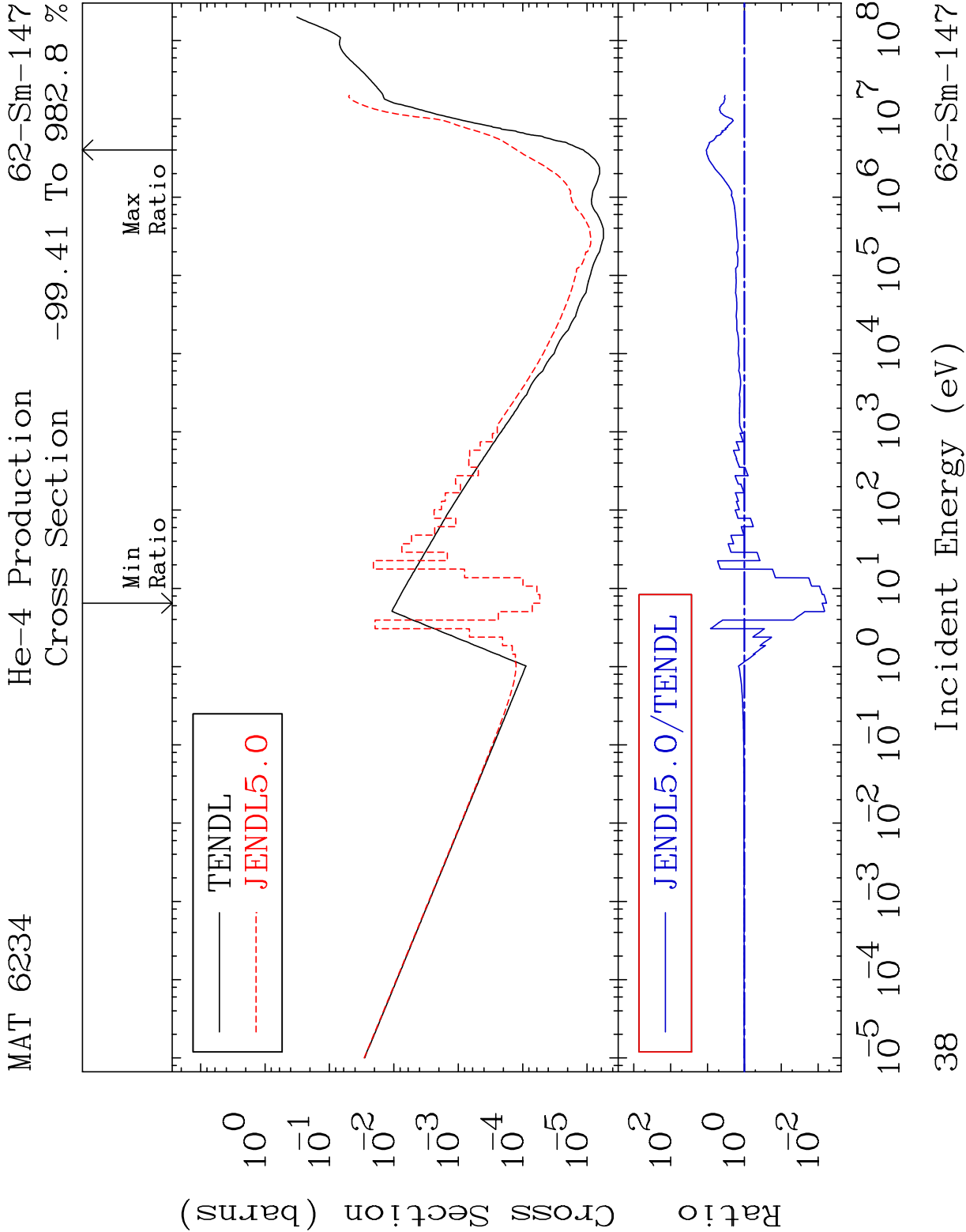
MAT 6234

He-3 Production

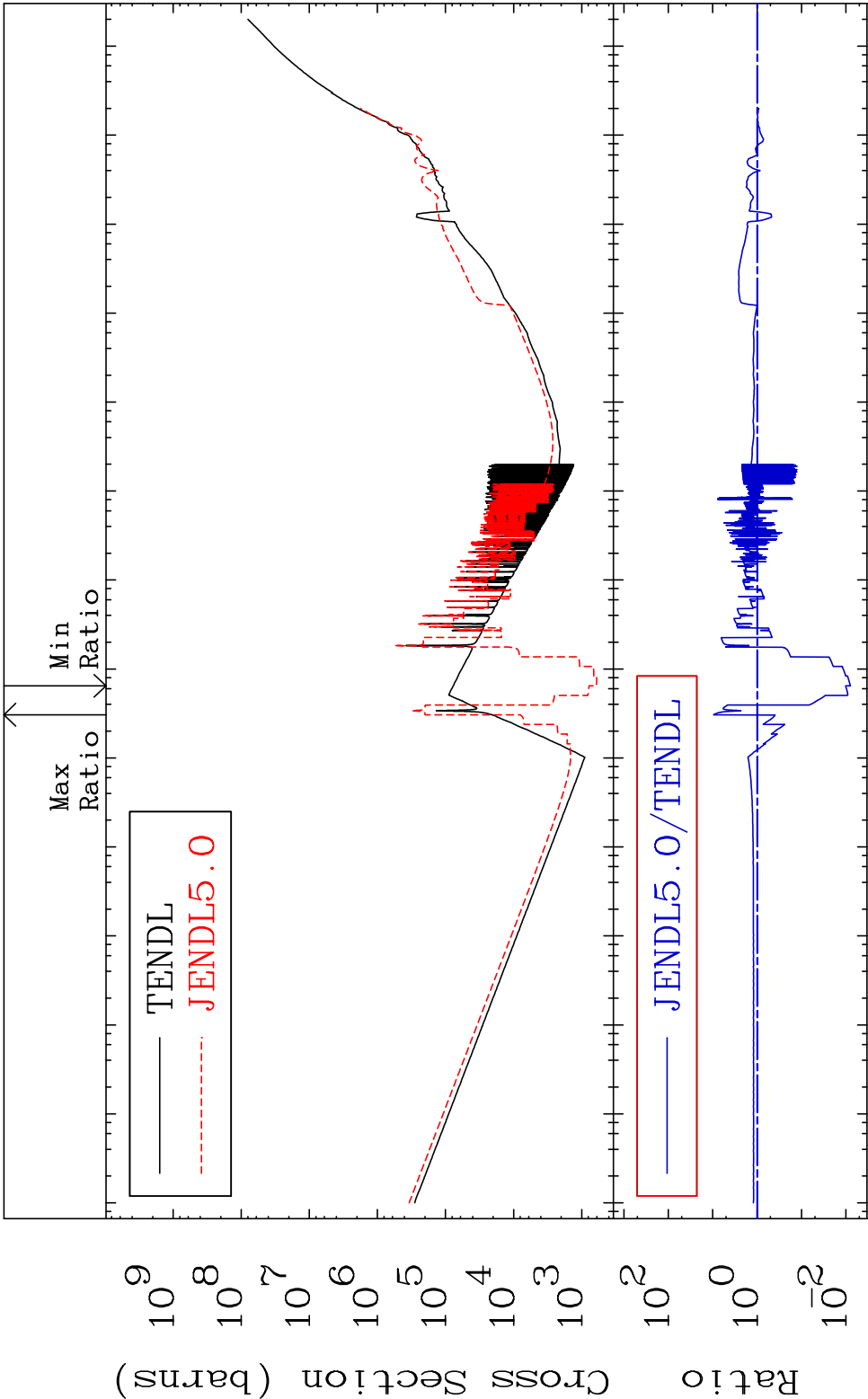
62-Sm-147

Cross Section -100.0 To 9999. %





MAT 6234 Kerma total (eV-barns) 62-Sm-147
Cross Section -99.21 To 857.4 %



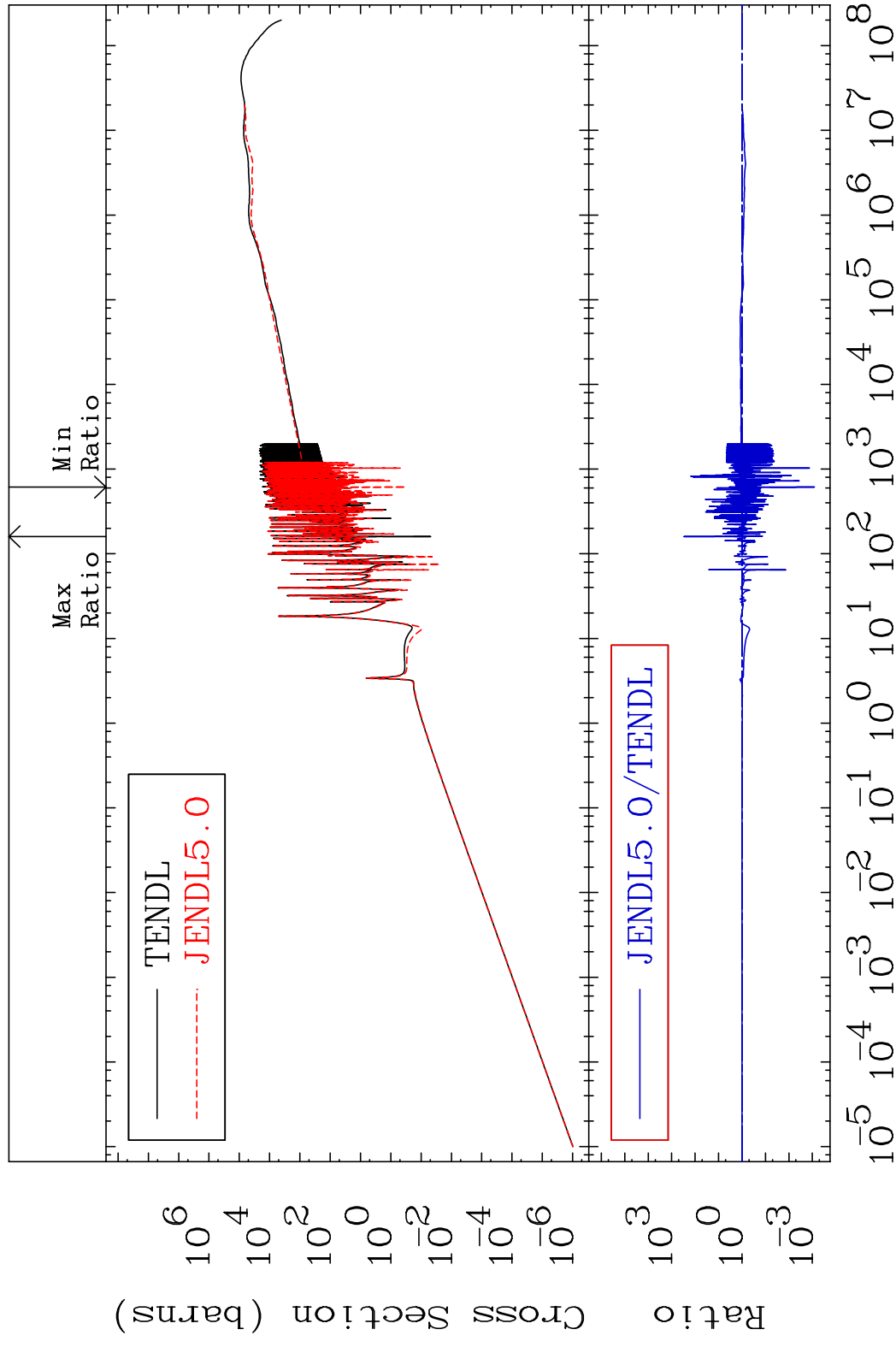
39 Incident Energy (eV) 62-Sm-147

MAT 6234

Kerma elastic

62-Sm-147

Cross Section -99.92 To 9999. %

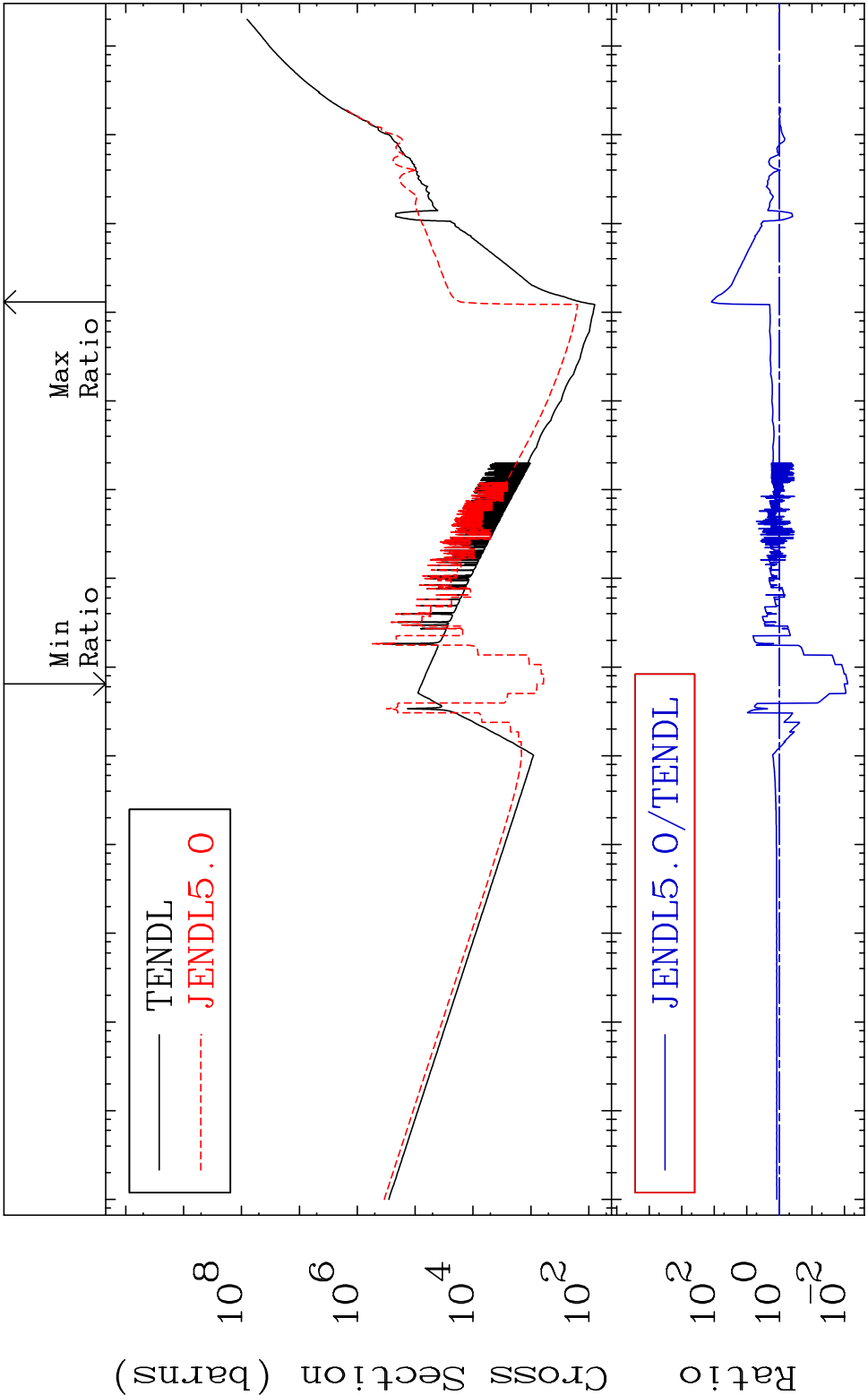


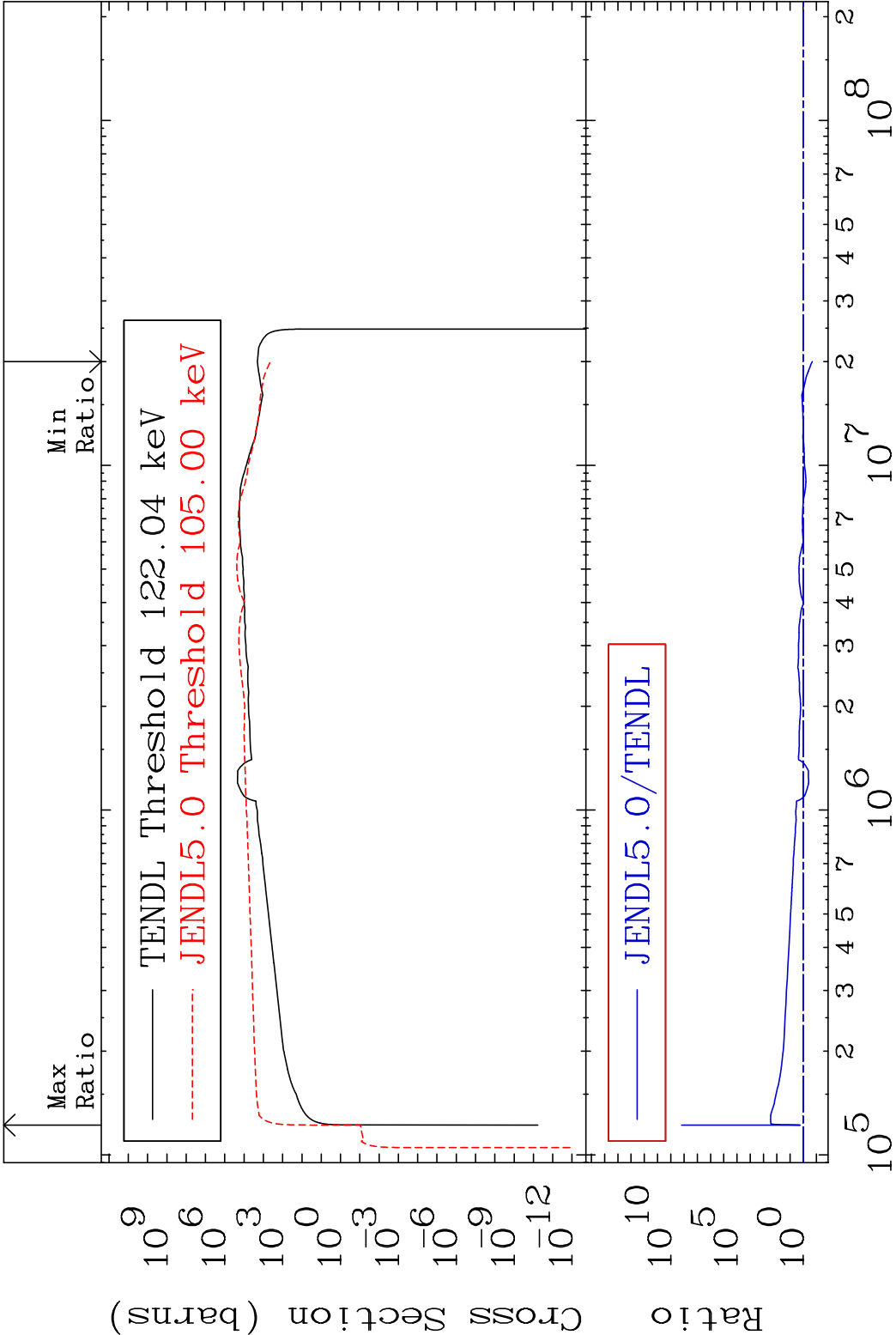
40

Incident Energy (eV)

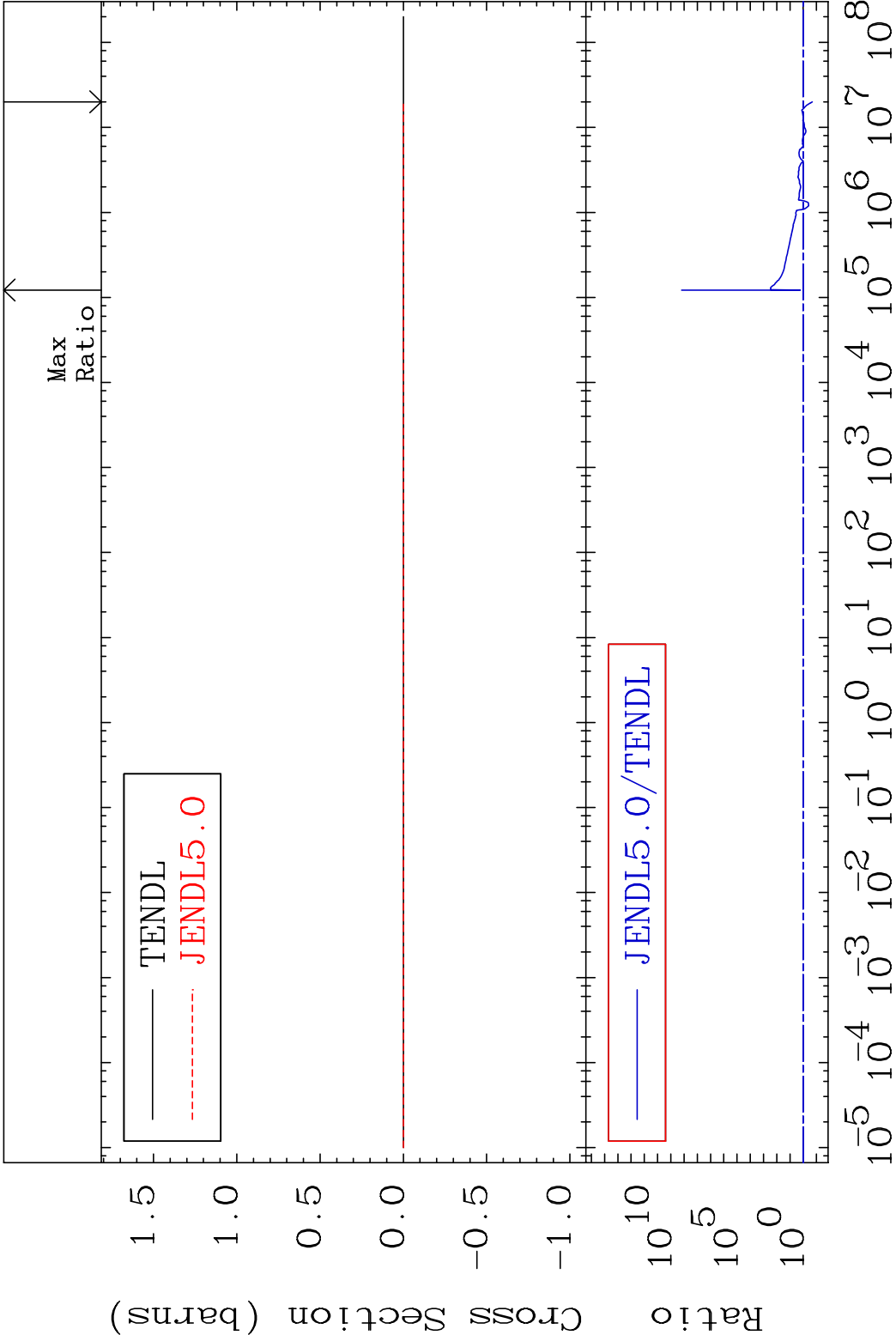
62-Sm-147

MAT 6234 Kerma non-elastic (all but mt2) 62-Sm-147
 Cross Section -99.21 To 9999. %

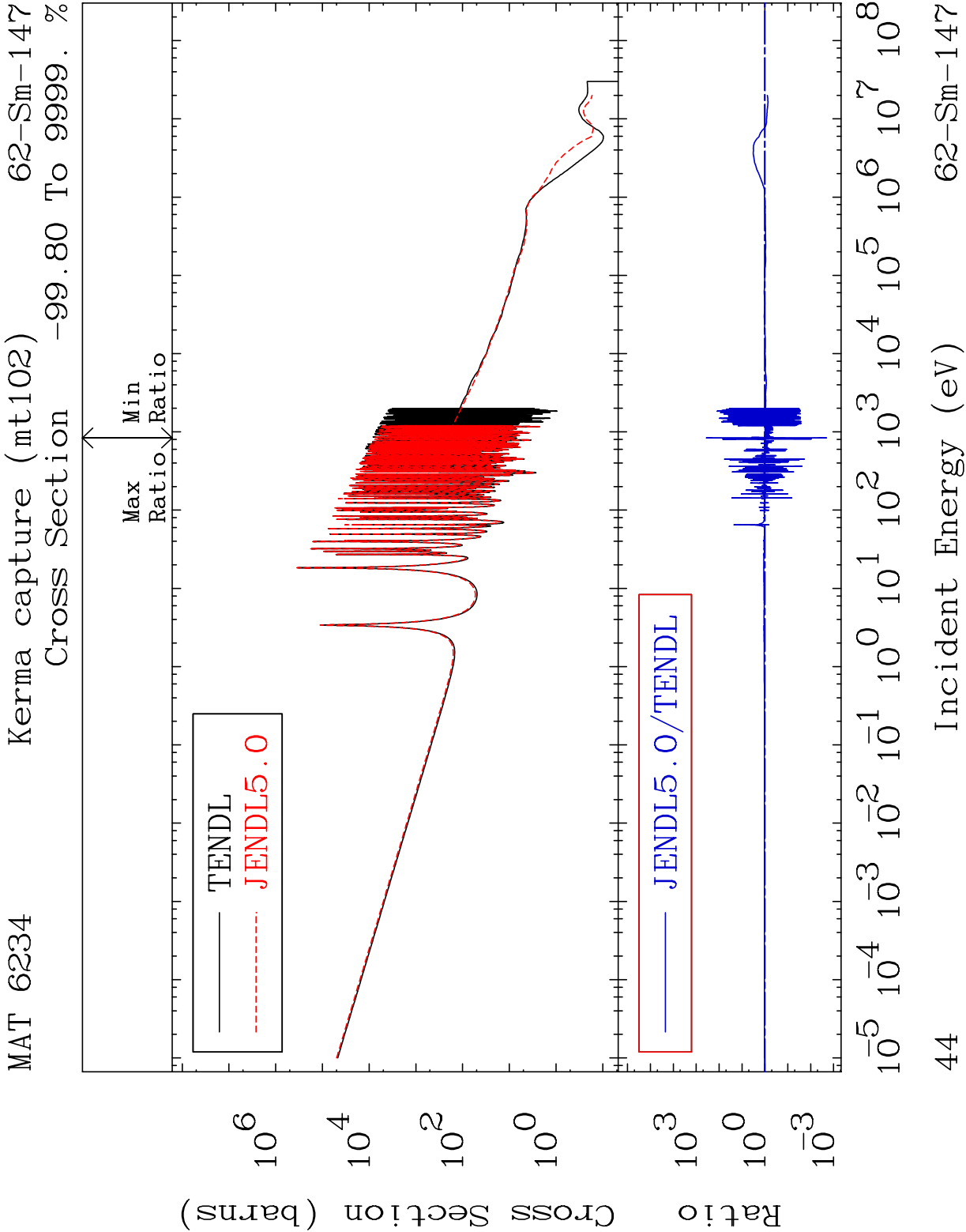


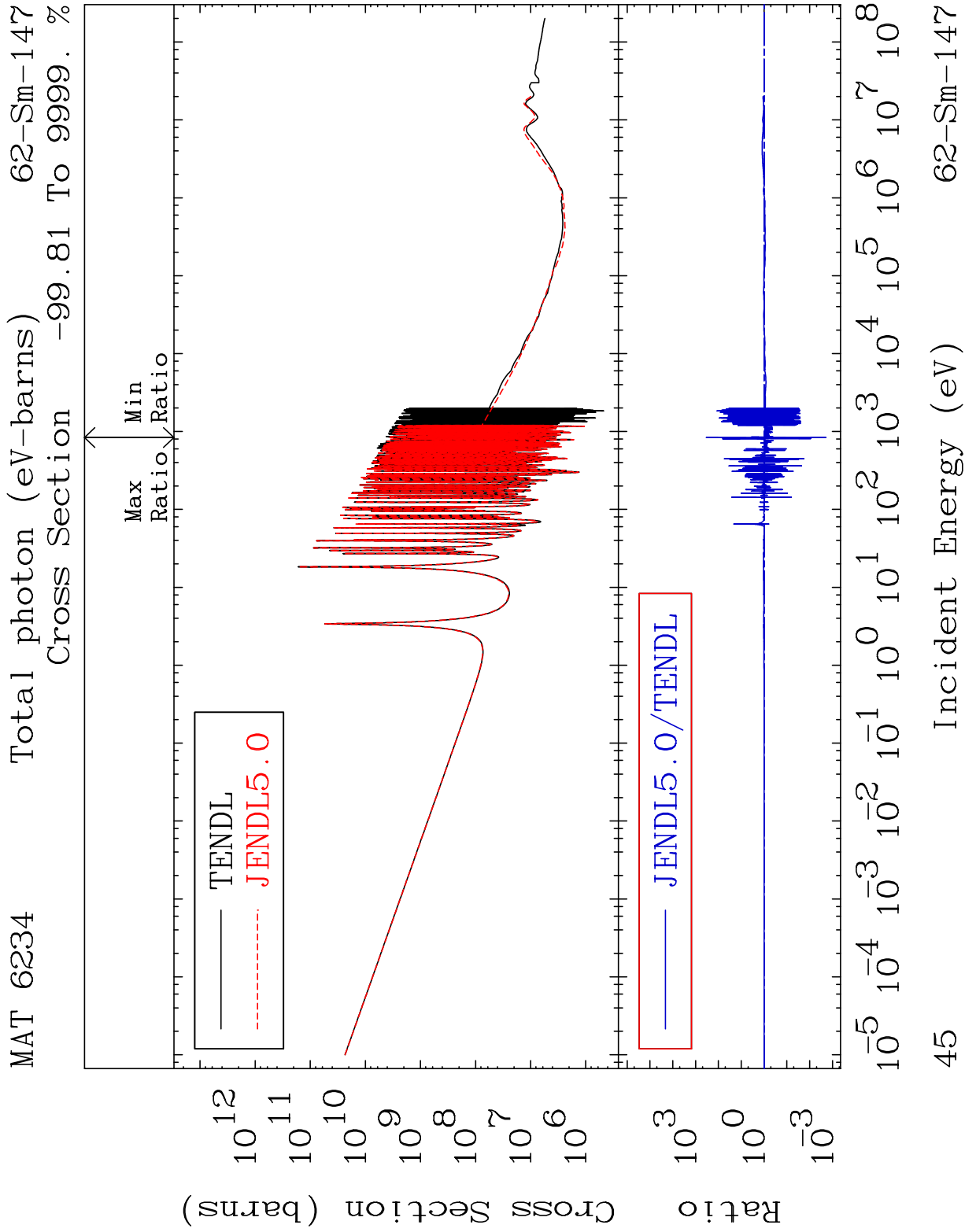


MAT 6234 Kerma fission (mt18 or mt19-20-21-38)62-Sm-147
Cross Section -79.09 To 9999. %

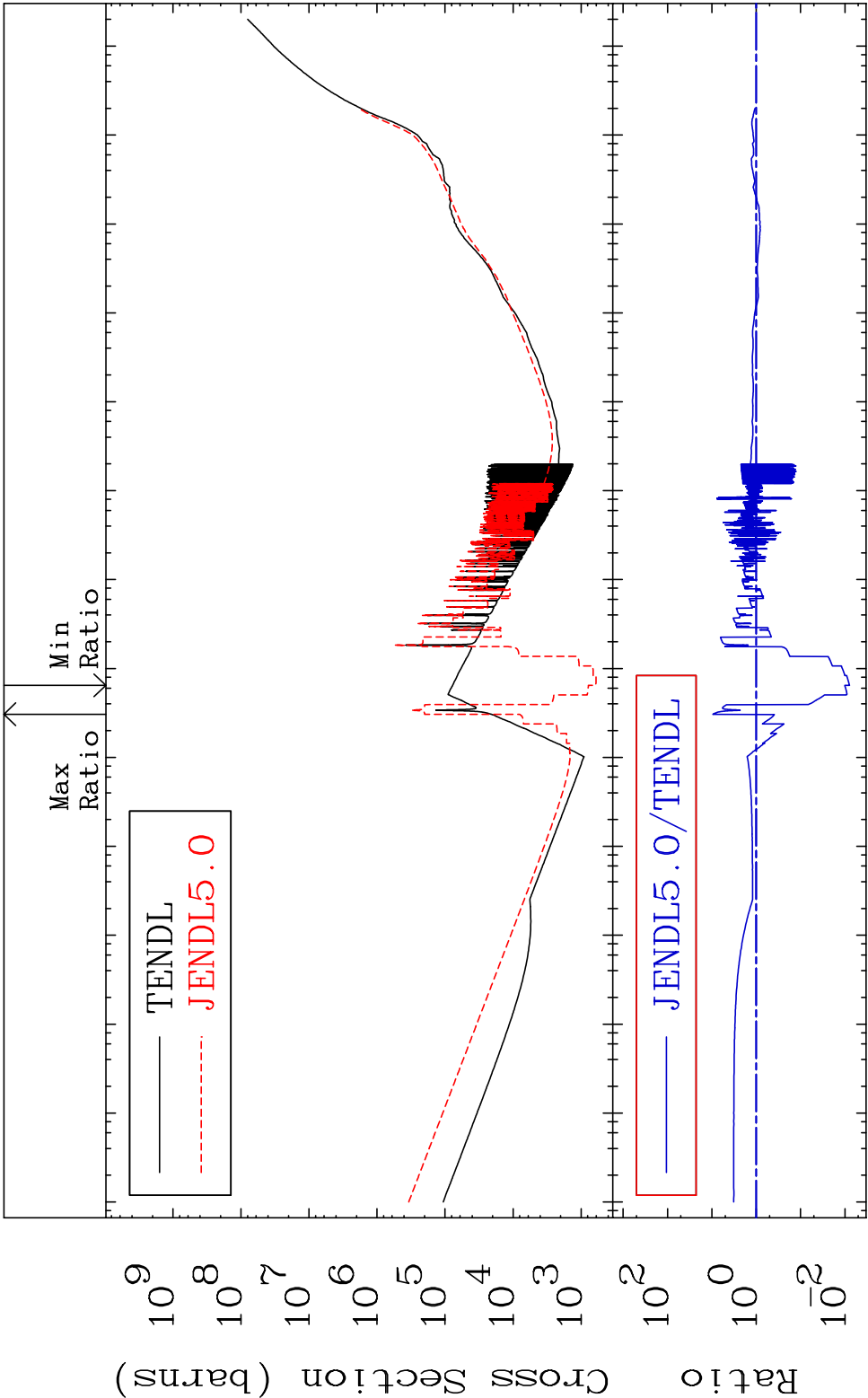


43 Incident Energy (eV) 62-Sm-147



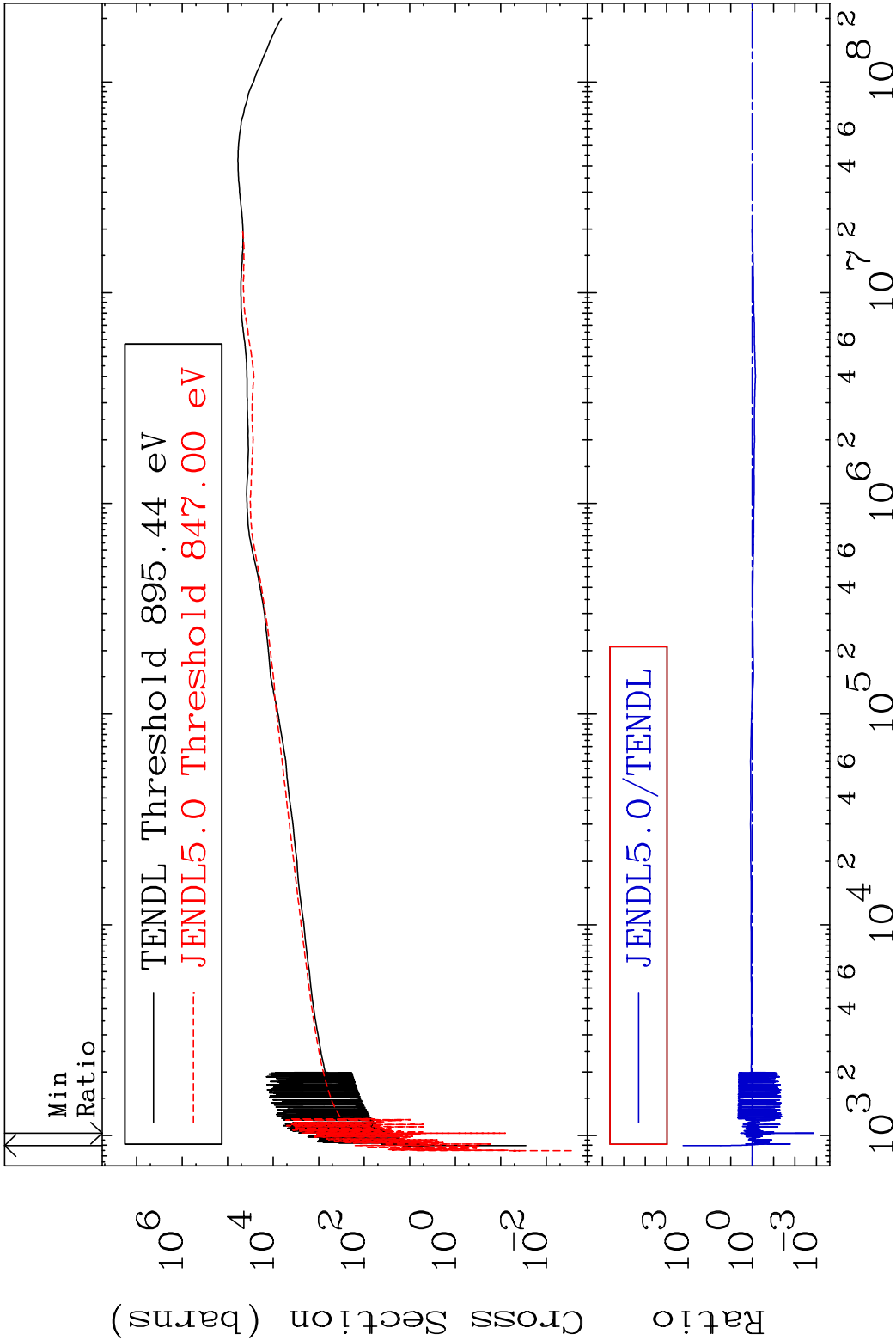


MAT 6234 Total kinematic kerma (high limit) 62-Sm-147
Cross Section -99.21 To 851.1 %

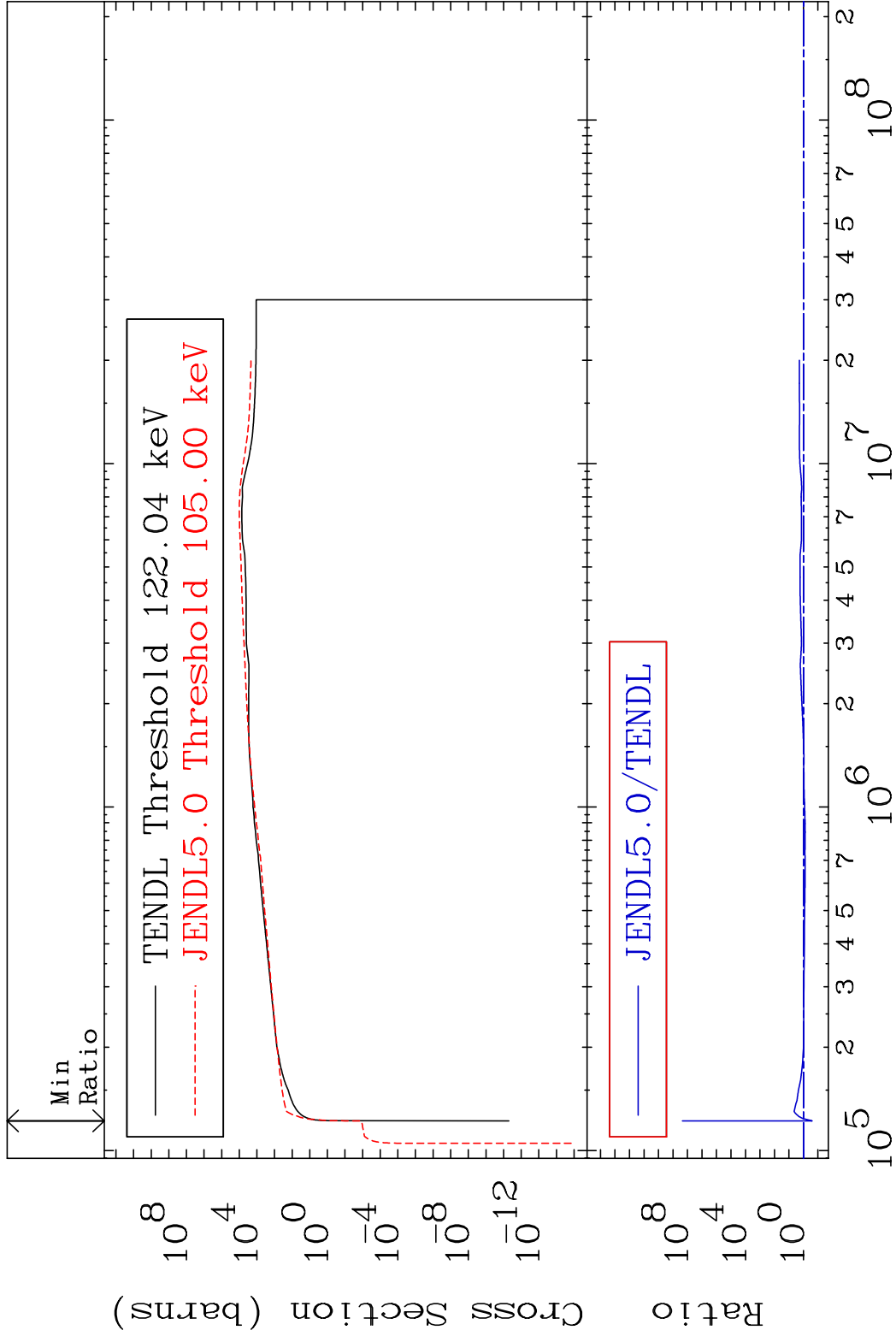


46 Incident Energy (eV) 62-Sm-147

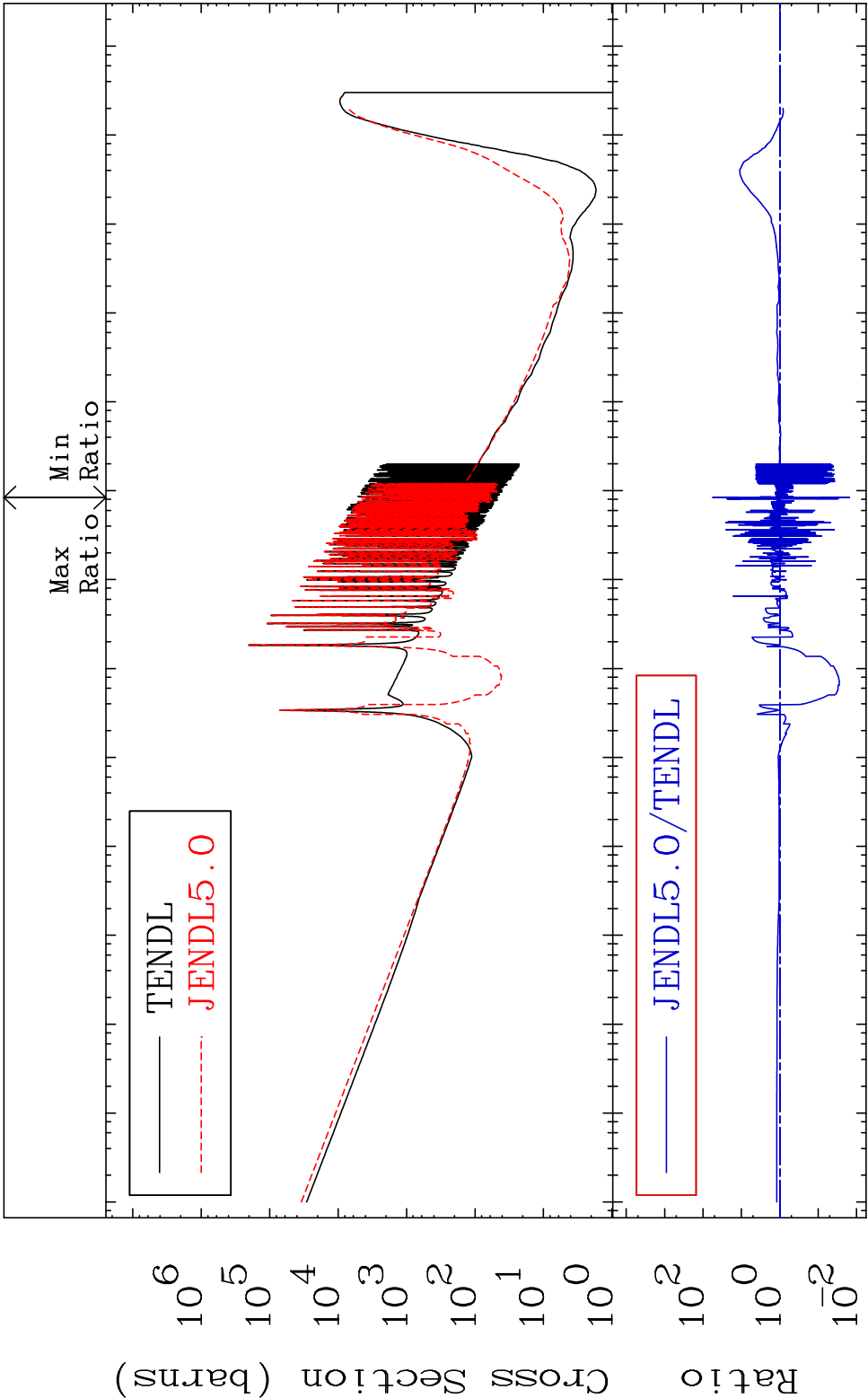
MAT 6234 Dpa elastic (mt2) 62-Sm-147
Cross Section -99.87 To 9999. %



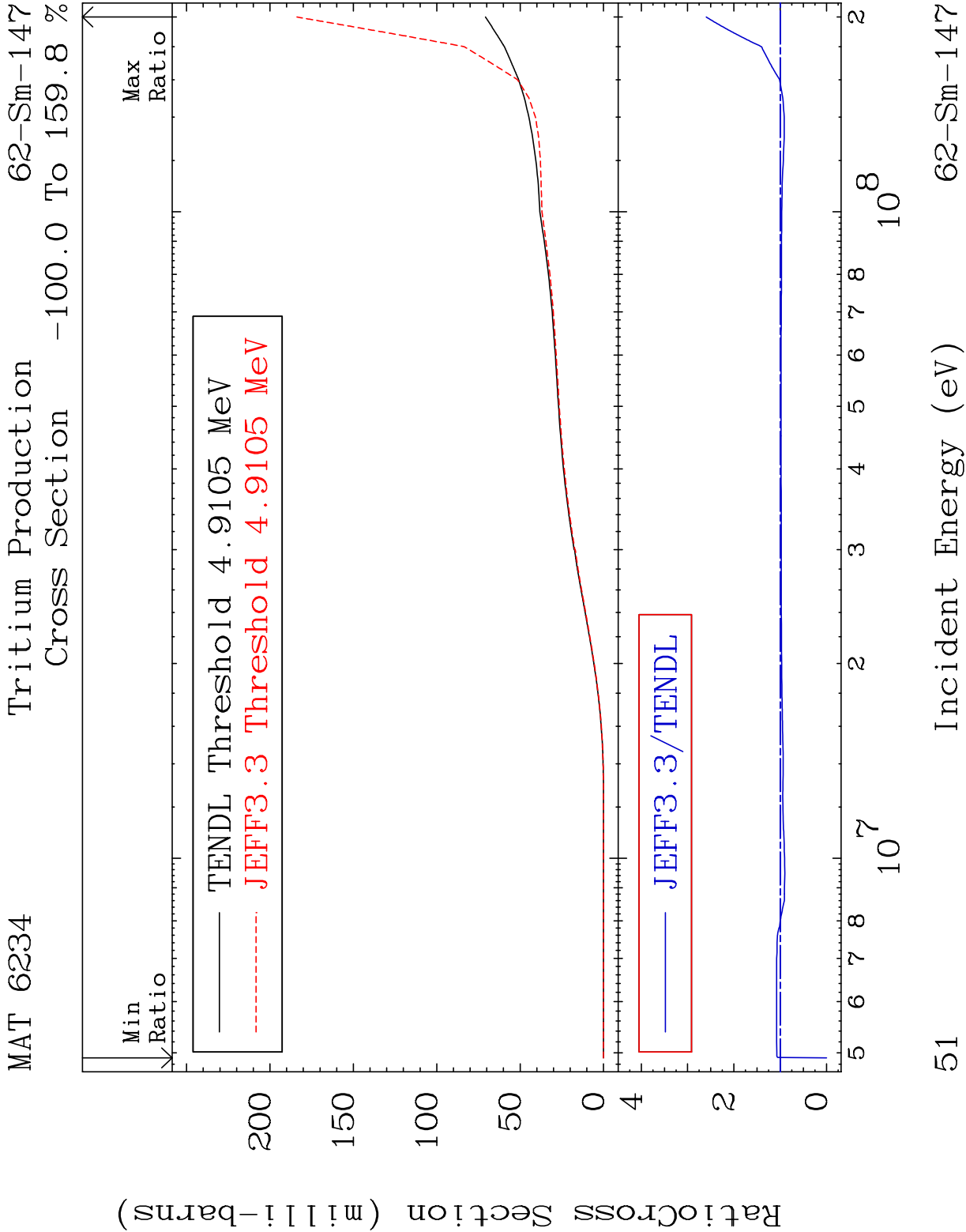
48 Incident Energy (eV) 62-Sm-147

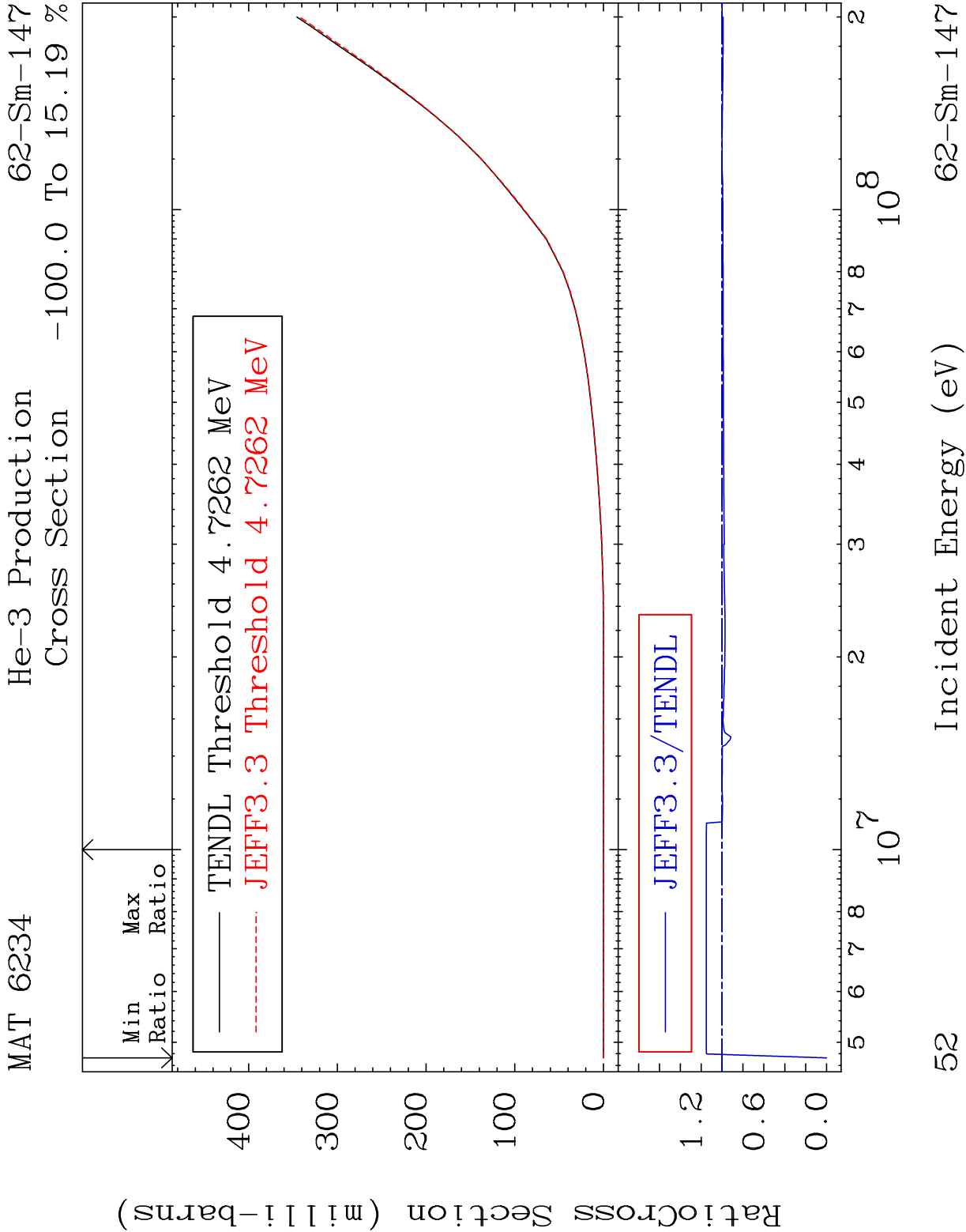


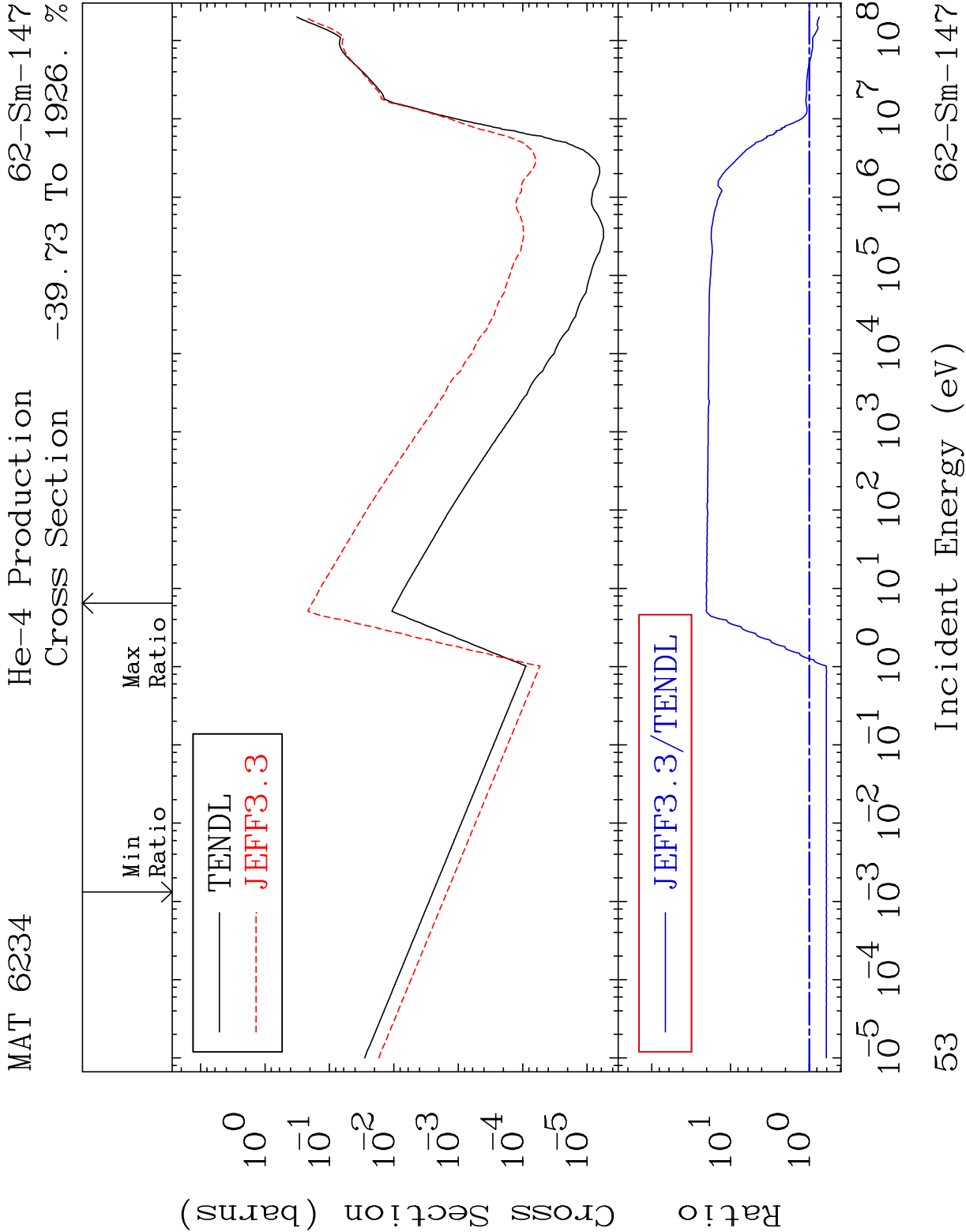
MAT 6234 Dpa disappearance (mt102 -120) 62-Sm-147
Cross Section -98.47 To 5464. %



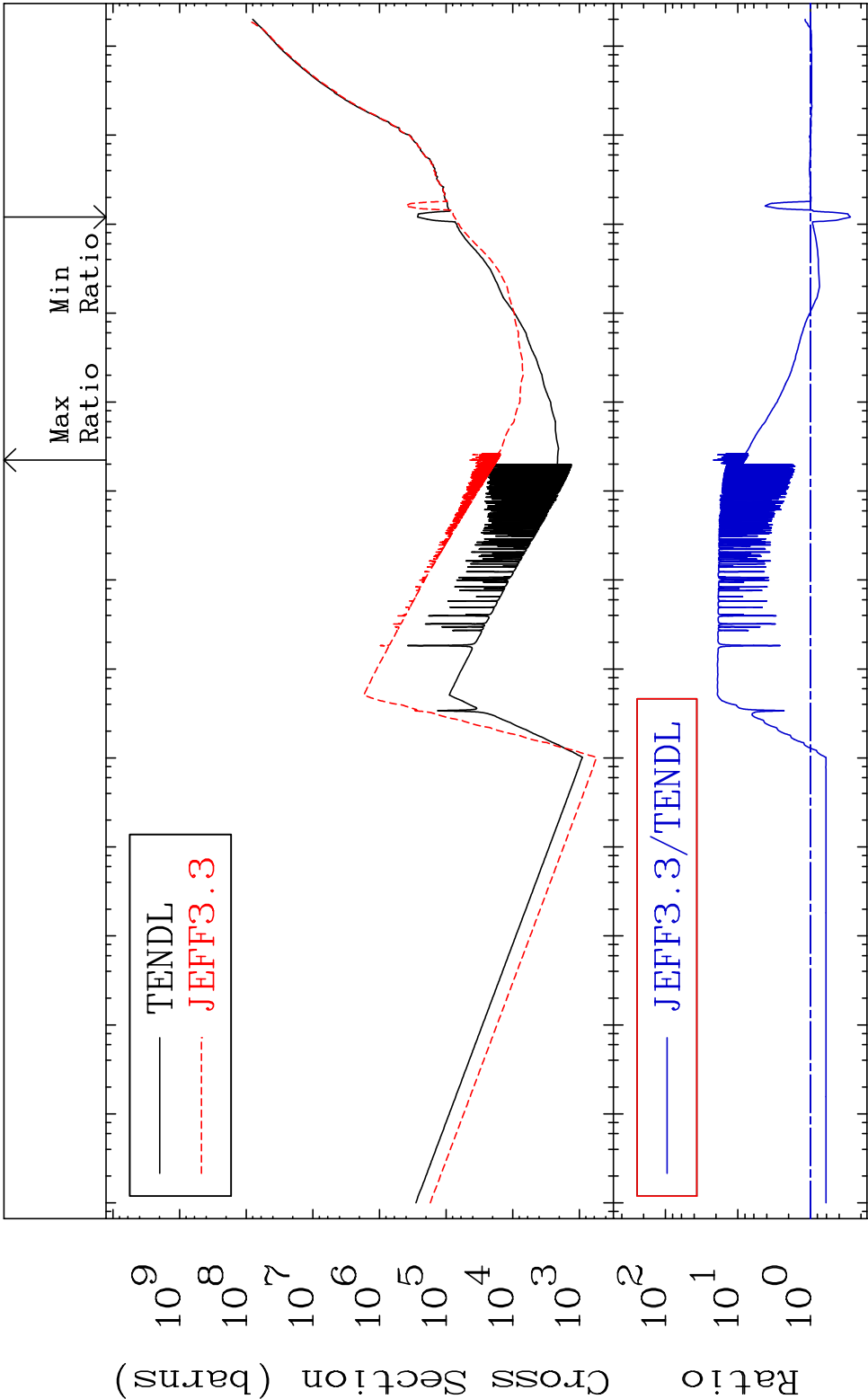
50 Incident Energy (eV) 62-Sm-147





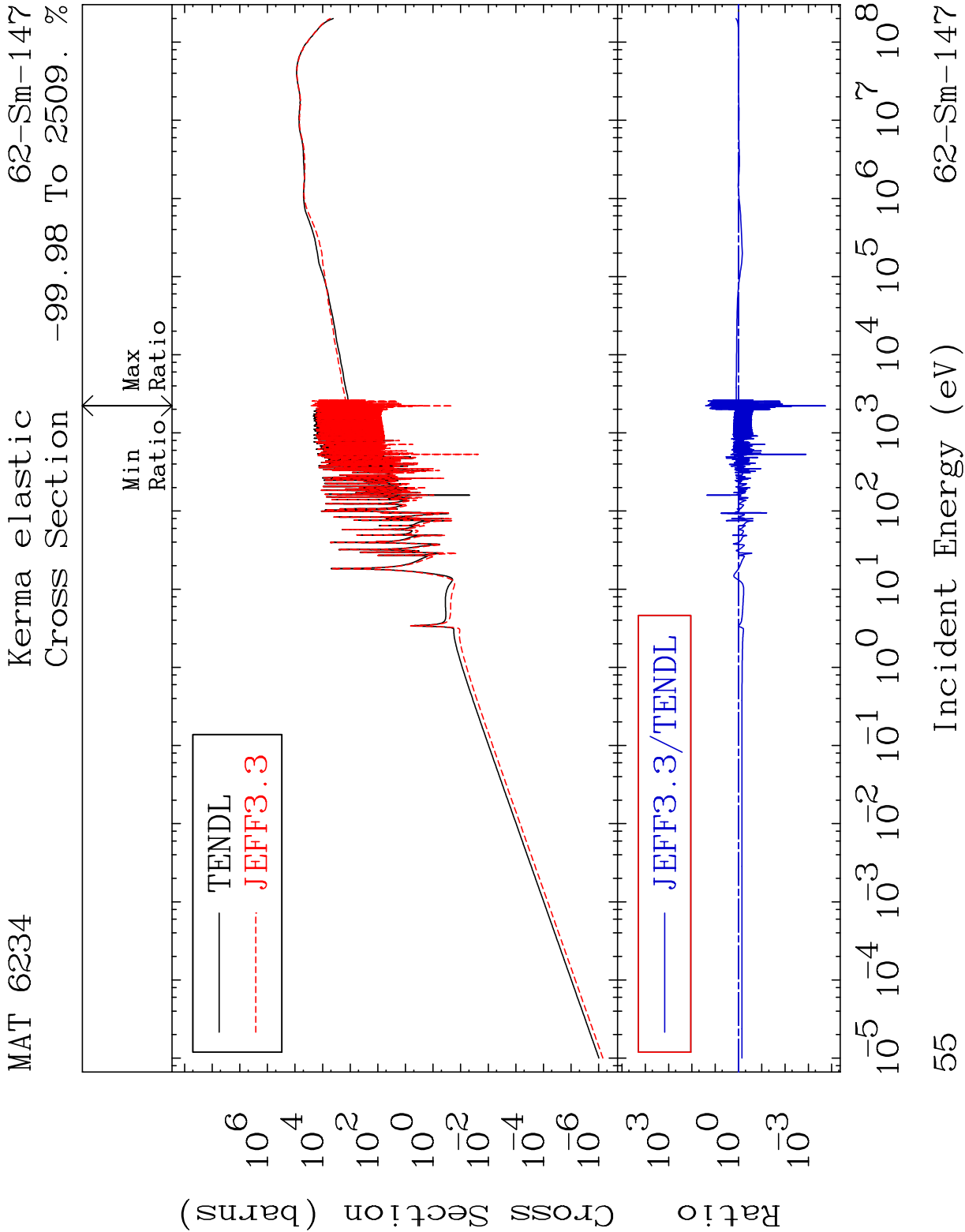


MAT 6234 Kerma total (eV-barns) 62-Sm-147
Cross Section -72.03 To 2068. %

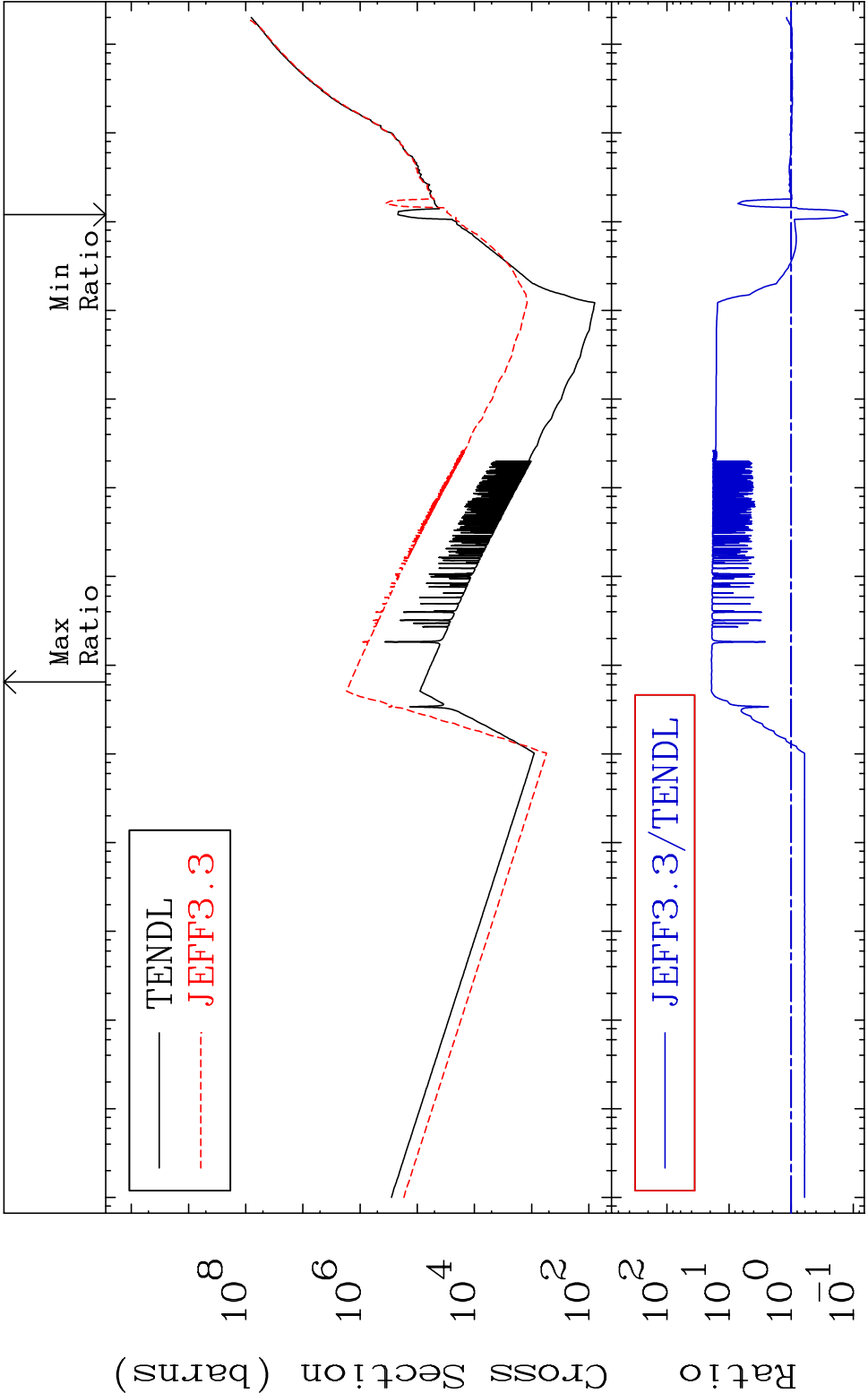


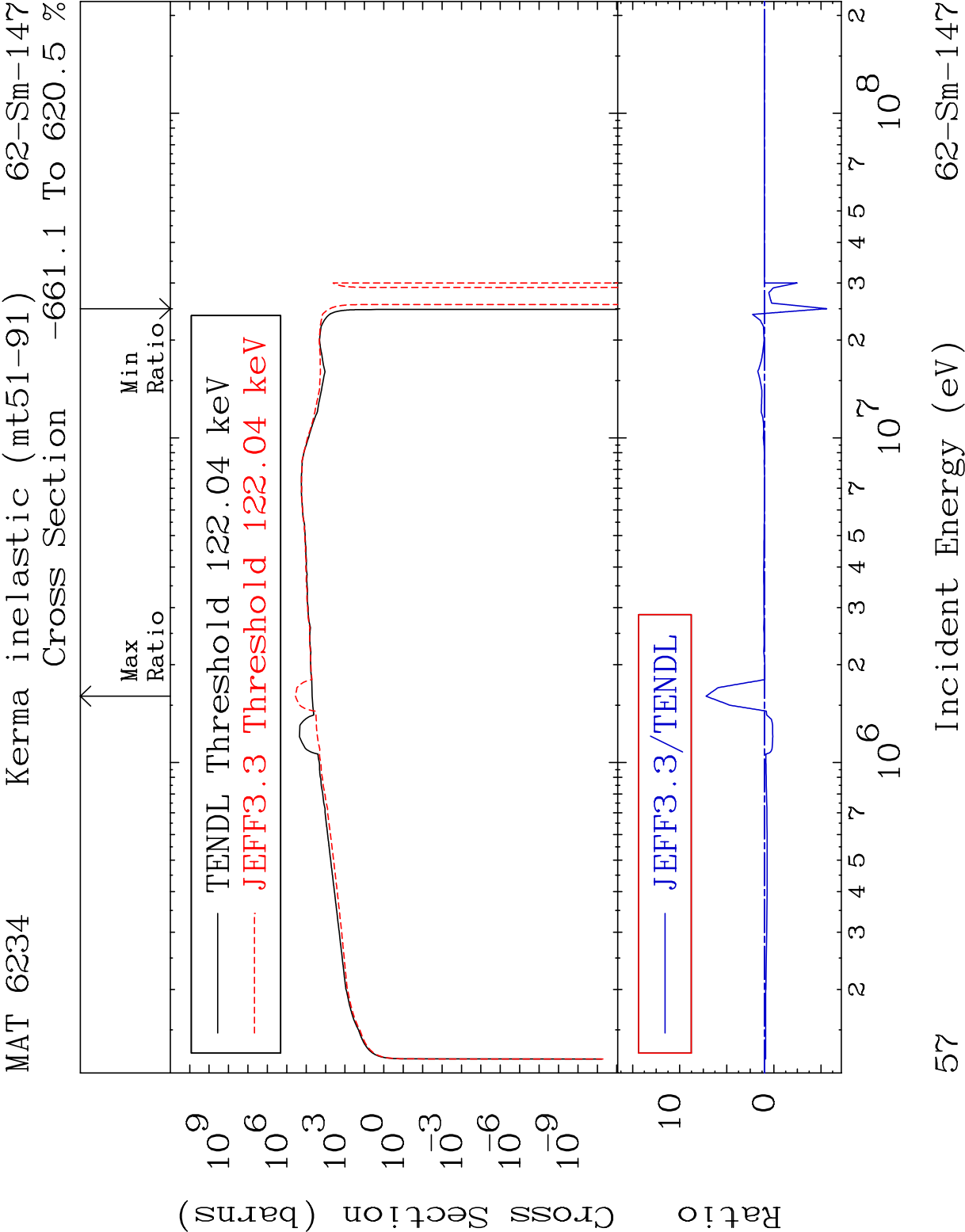
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

54 Incident Energy (eV) 62-Sm-147

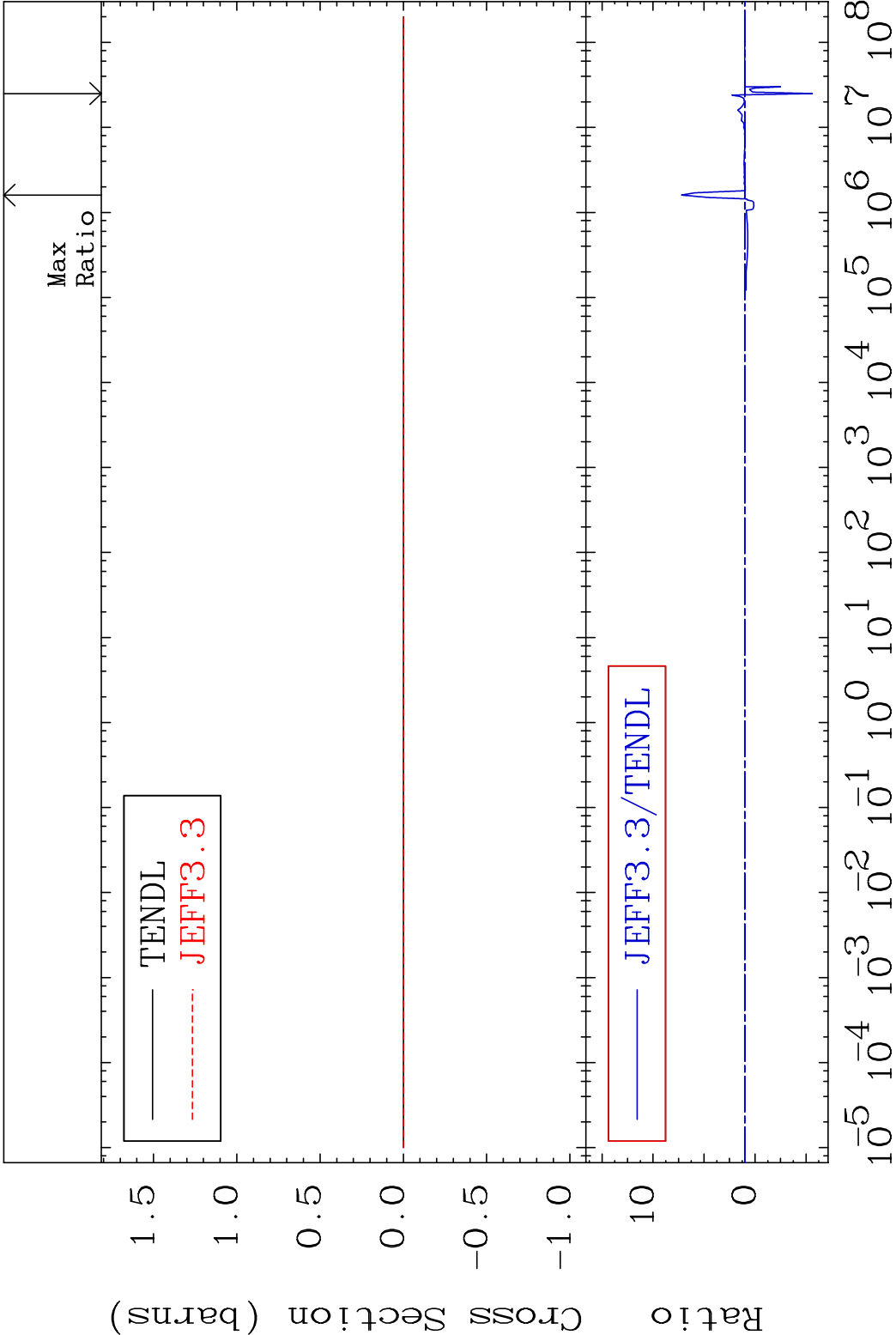


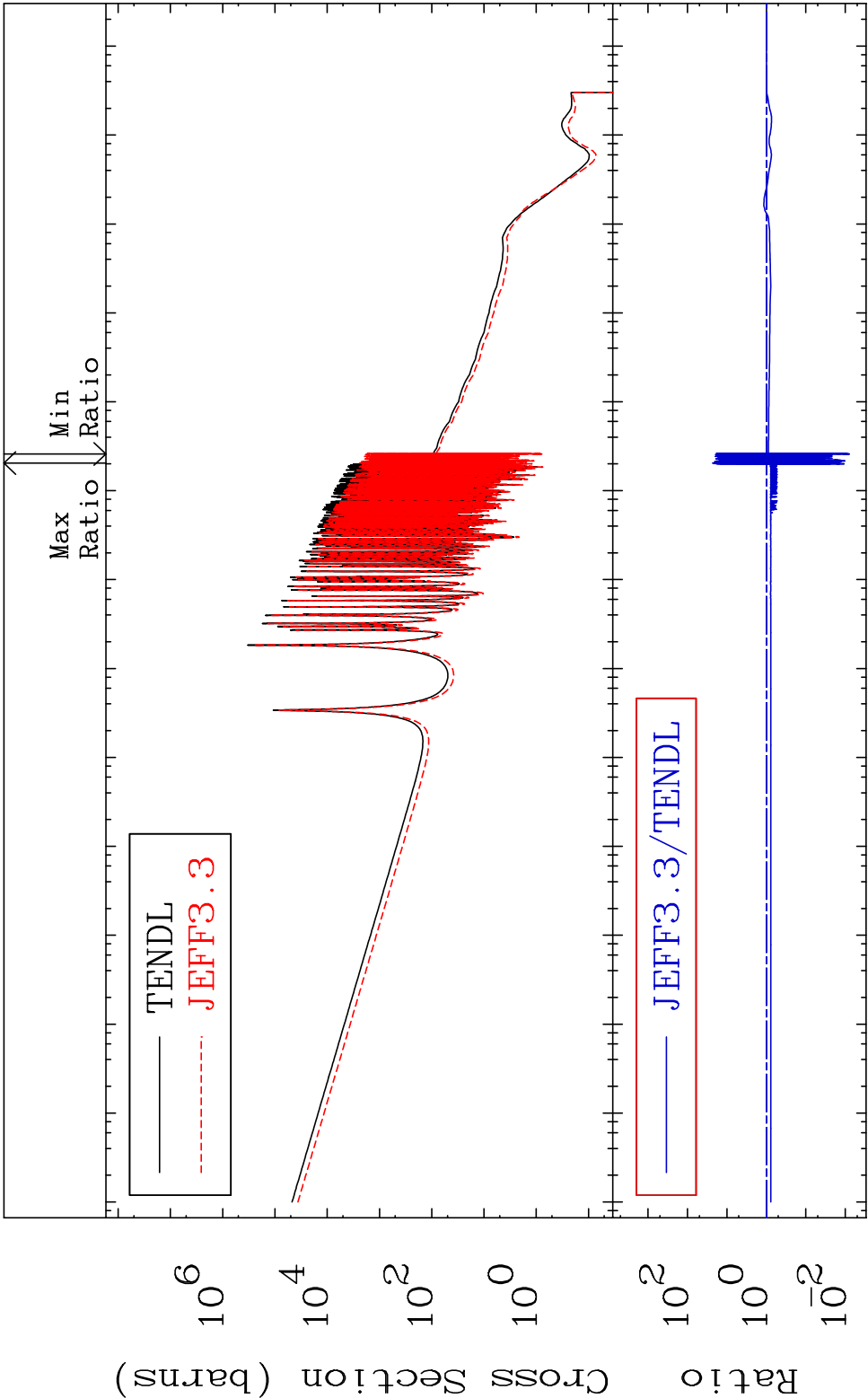
MAT 6234 Kerma non-elastic (all but mt2) 62-Sm-147
Cross Section -87.70 To 1823. %

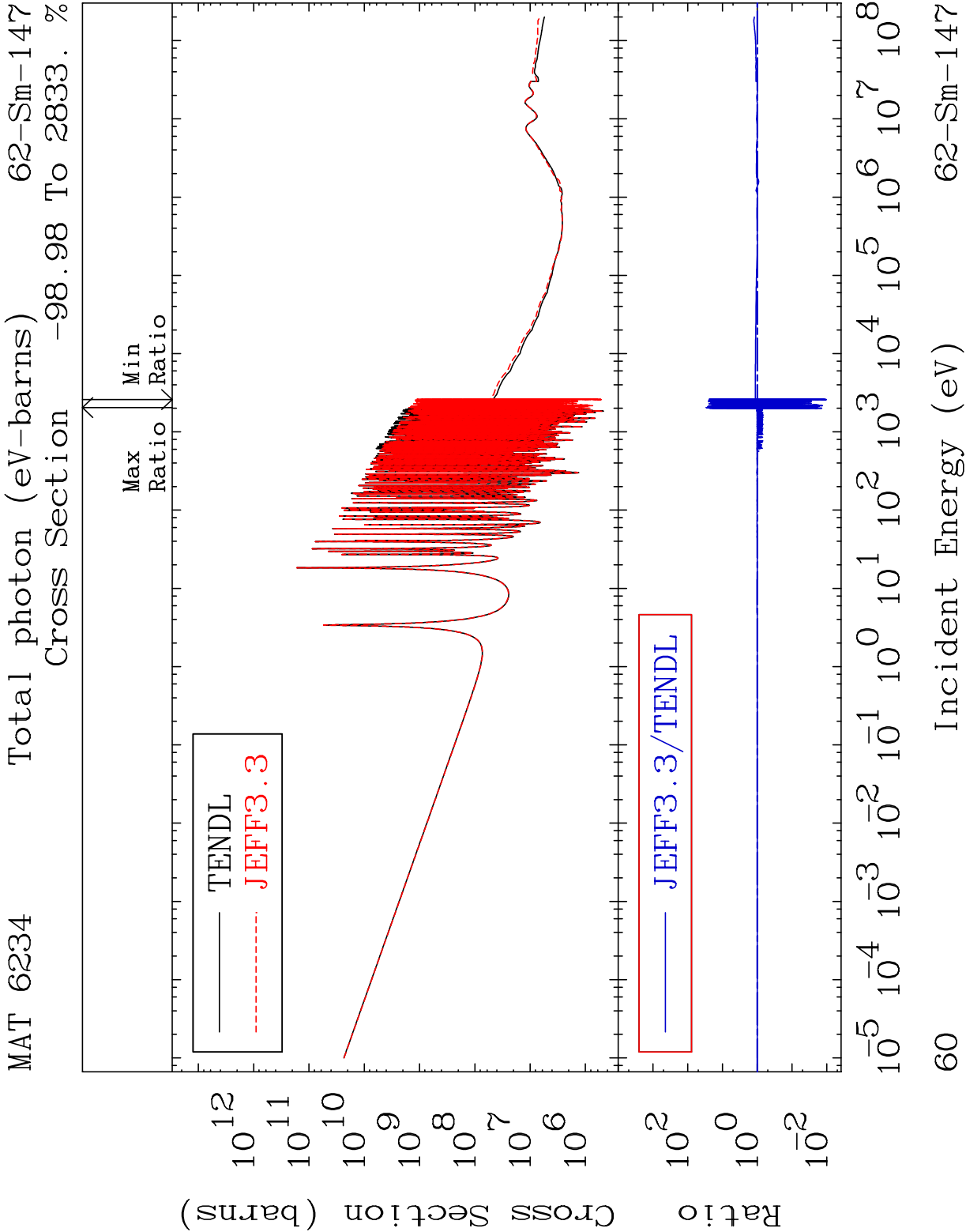




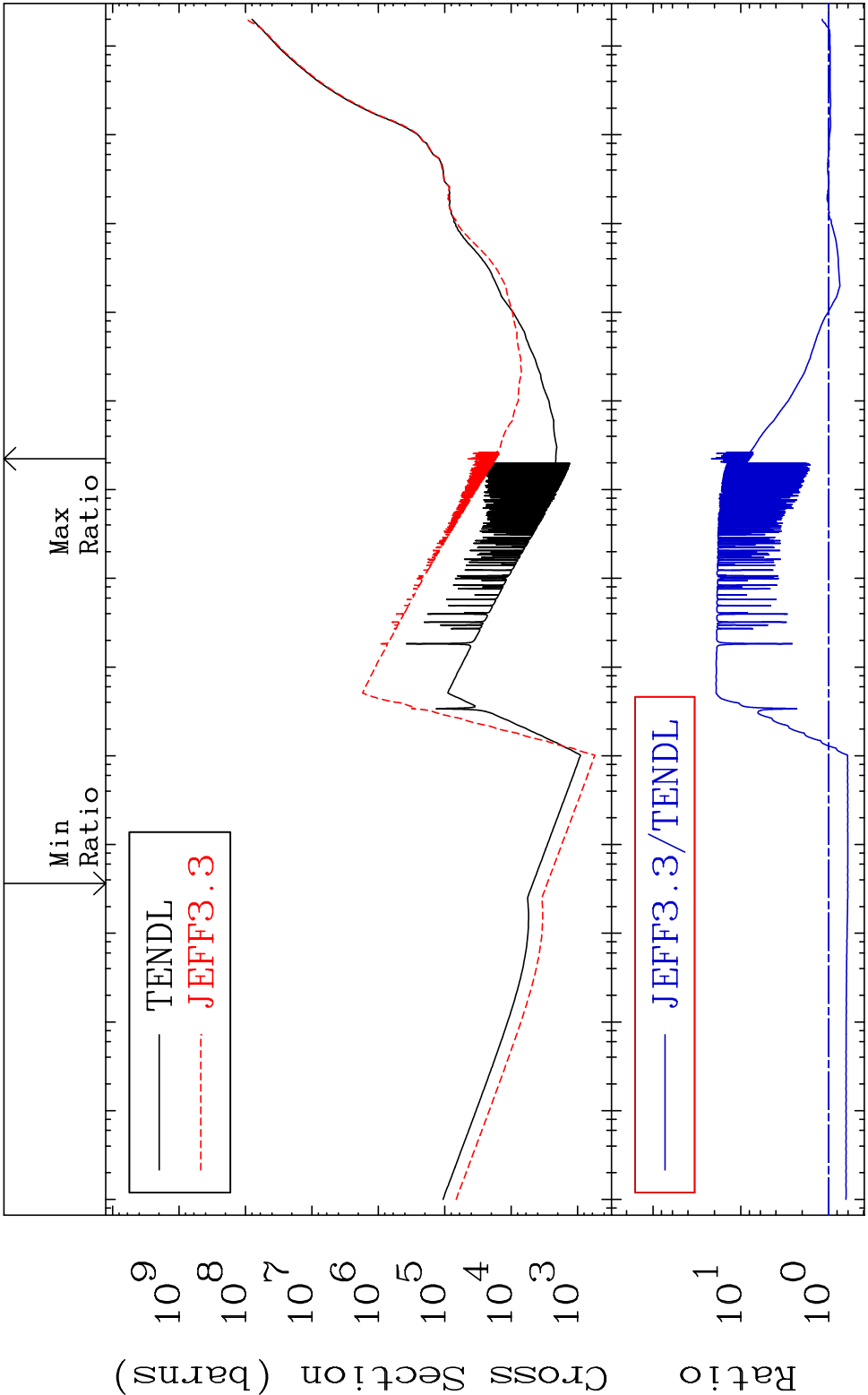
MAT 6234 Kerma fission (mt18 or mt19-20-21-38)62-Sm-147
Cross Section -661.1 To 620.5 %







MAT 6234 Total kinematic kerma (high limit) 62-Sm-147
Cross Section -39.40 To 2066. %



61 Incident Energy (eV) 62-Sm-147

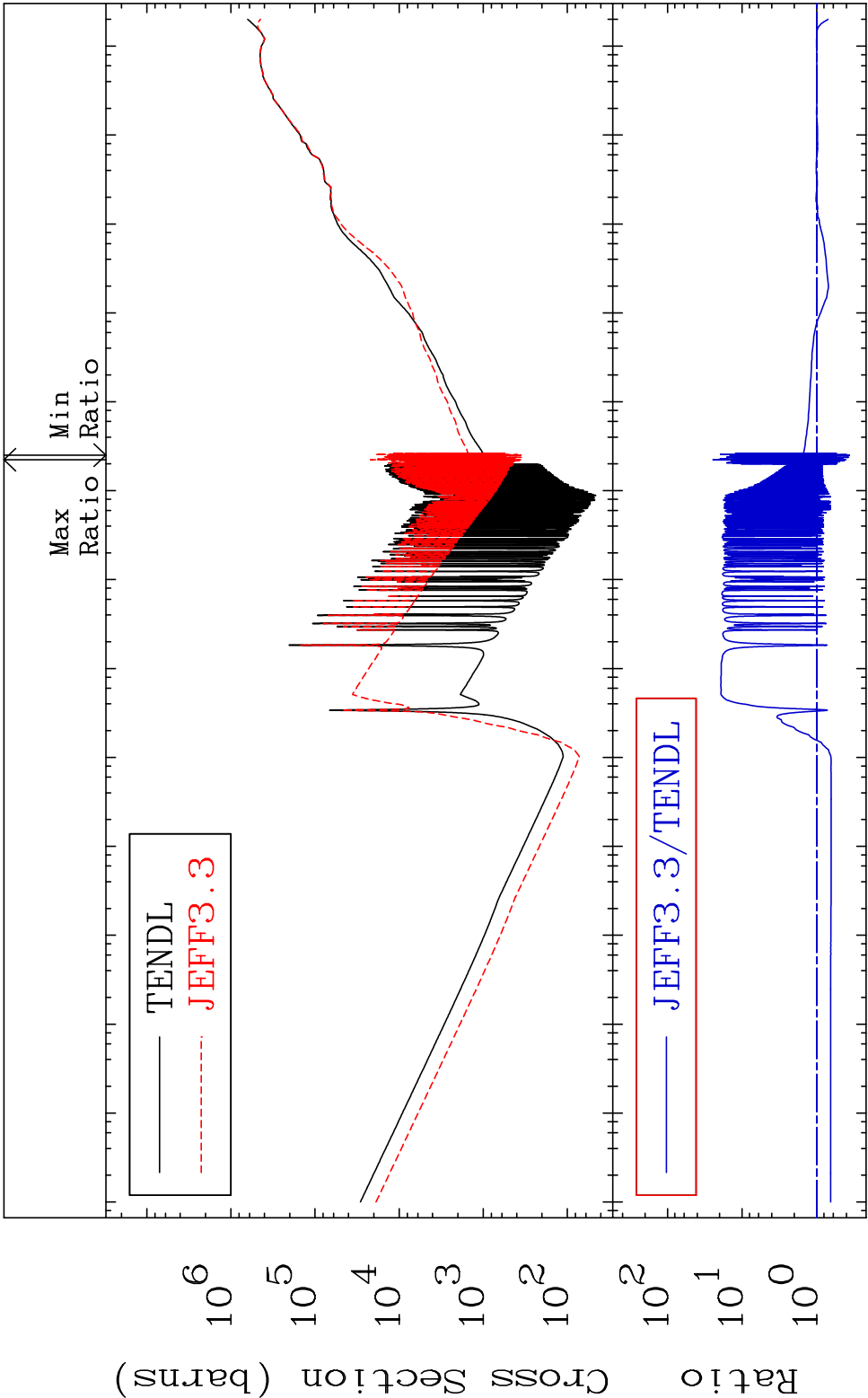
MAT 6234

Dpa total (eV-barns)

62-Sm-147

Cross Section

-63.61 To 2371. %

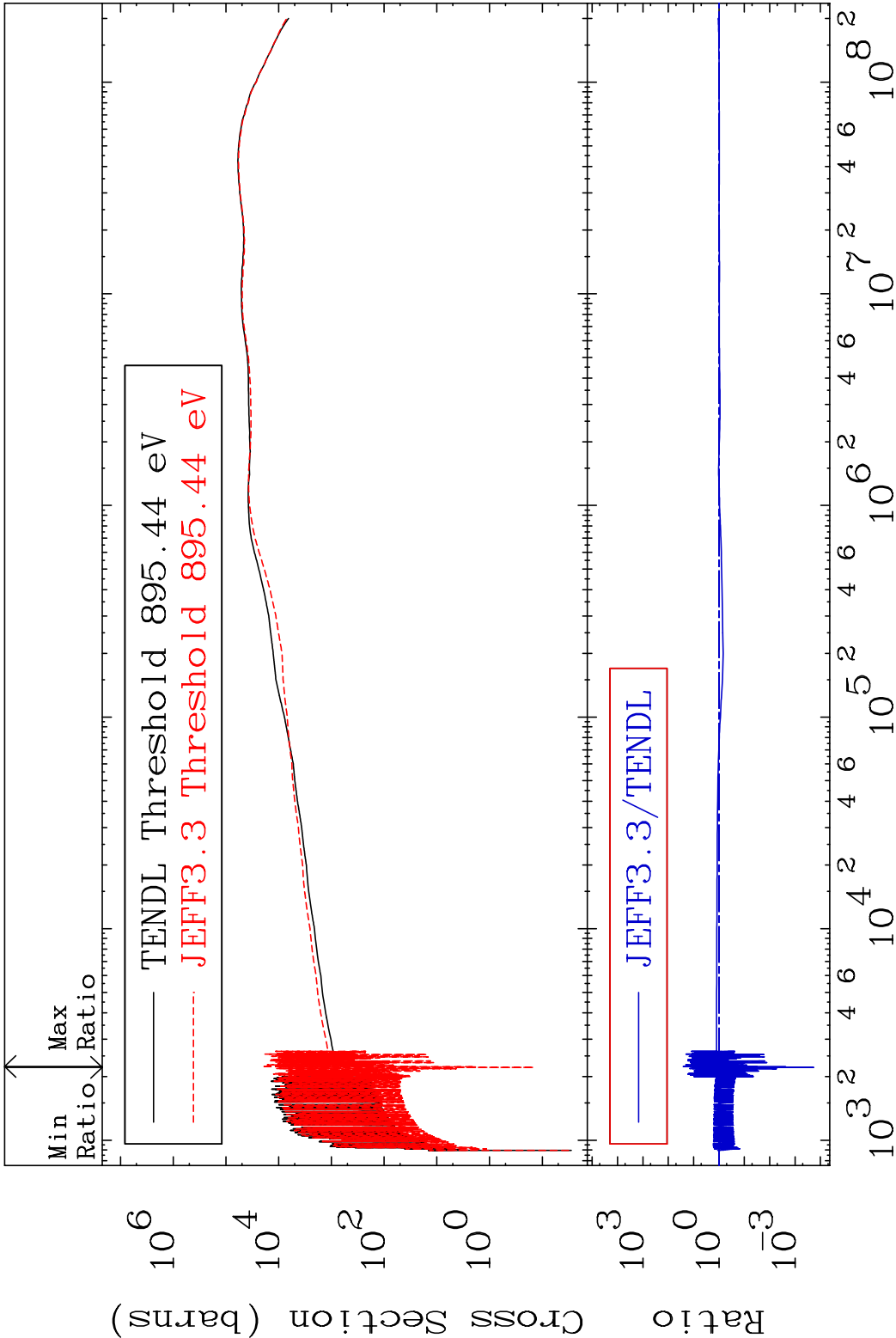


62

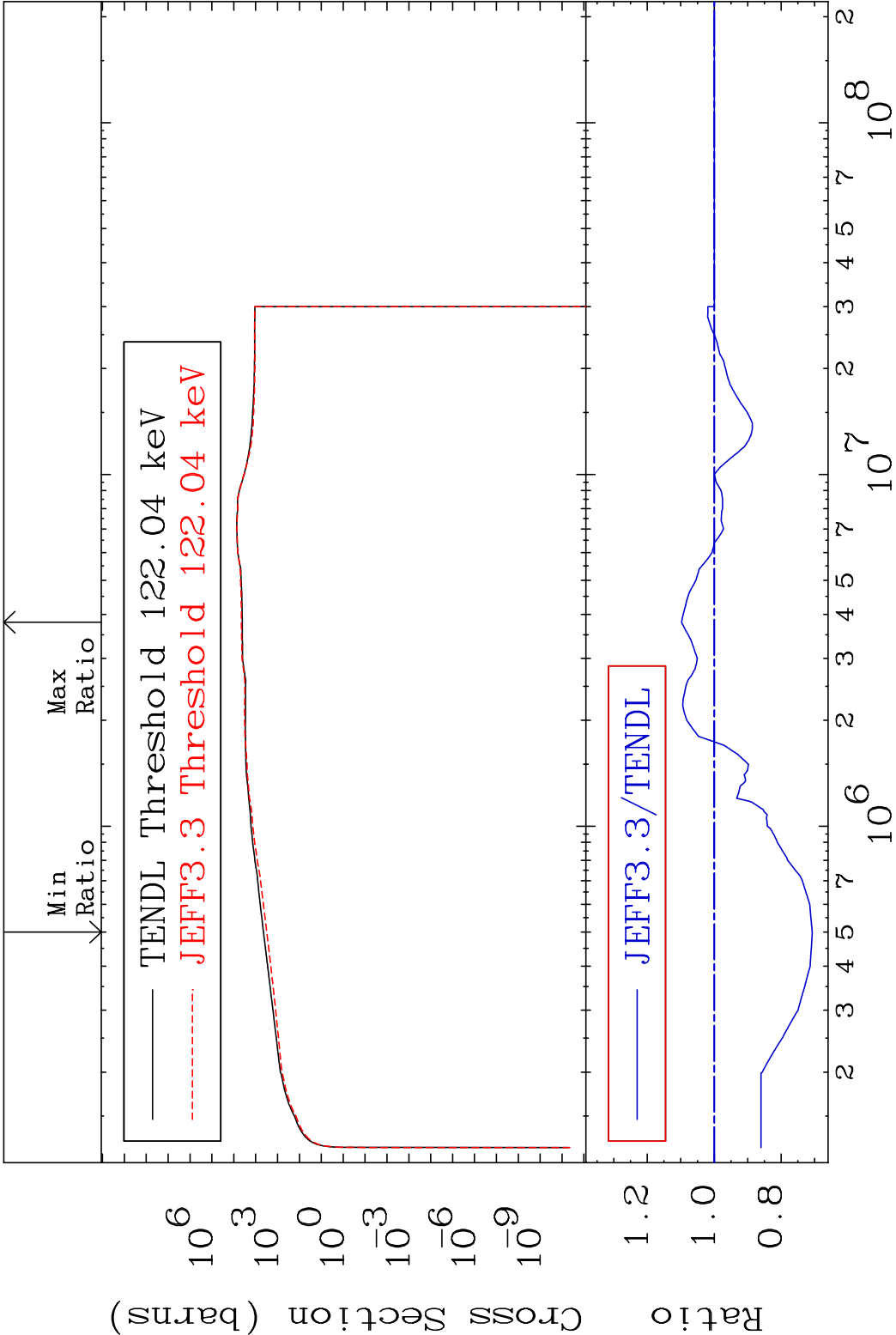
Incident Energy (eV)

62-Sm-147

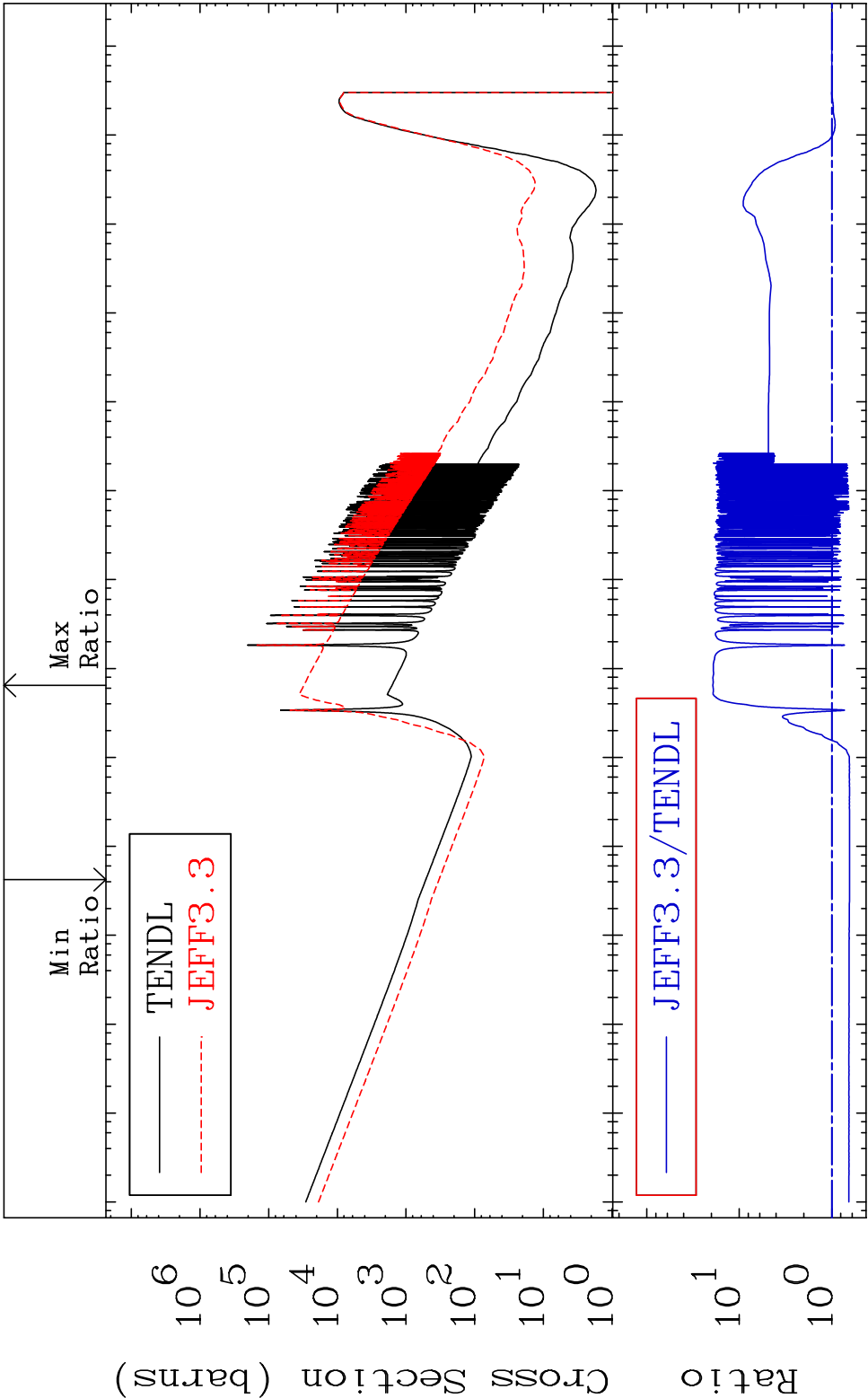
MAT 6234 Dpa elastic (mt2) 62-Sm-147
Cross Section -99.98 To 2509. %



63 Incident Energy (eV) 62-Sm-147

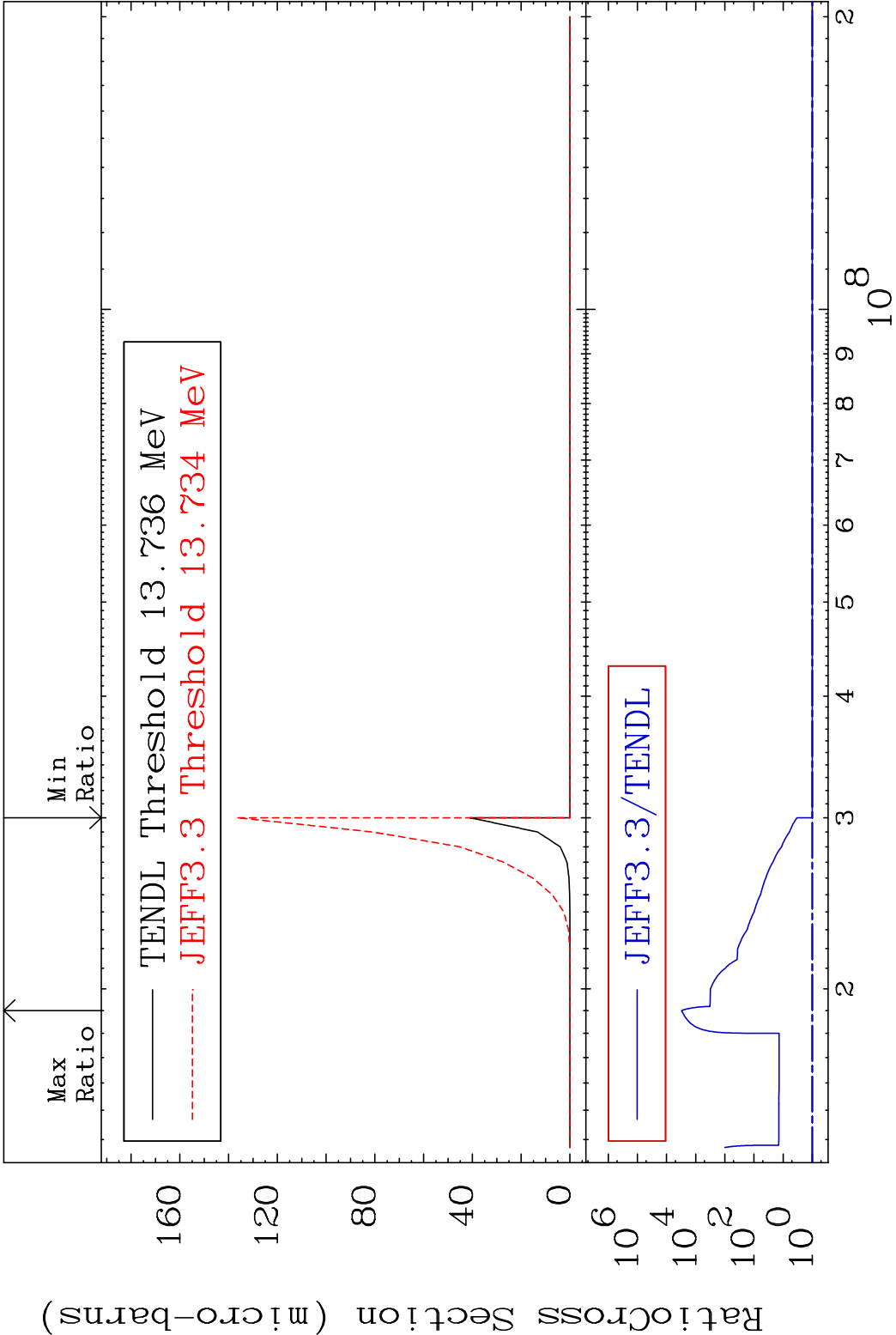


MAT 6234 Dpa disappearance (mt102 -120) 62-Sm-147
Cross Section -35.77 To 1834. %



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

65 Incident Energy (eV) 62-Sm-147



Radionuclide Production Cross Section, %

