

Program Complot  
(Version 2018-1)

by

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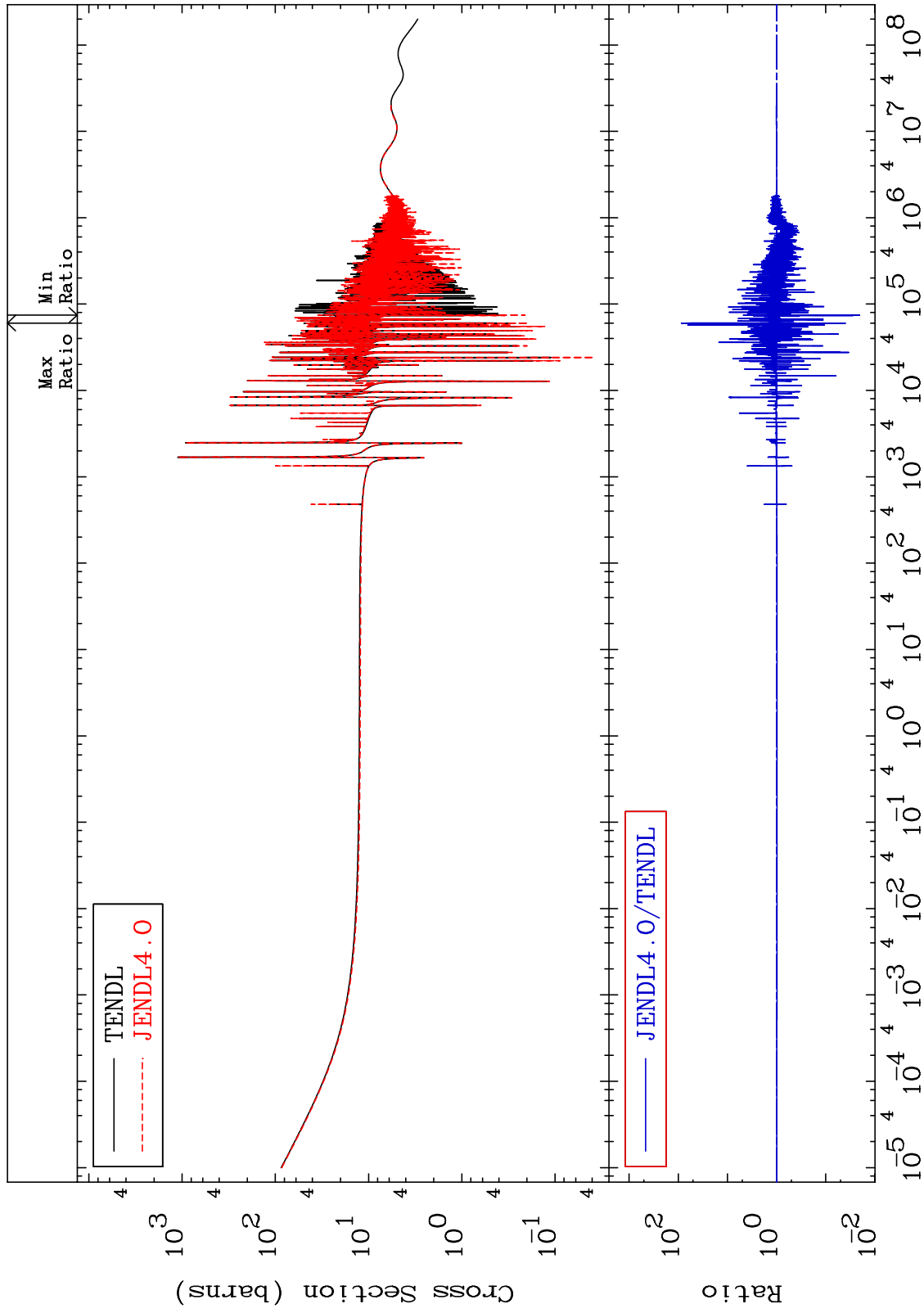
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 8225

Total  
Cross Section

82-Pb-204  
-97.97 To 8589. %



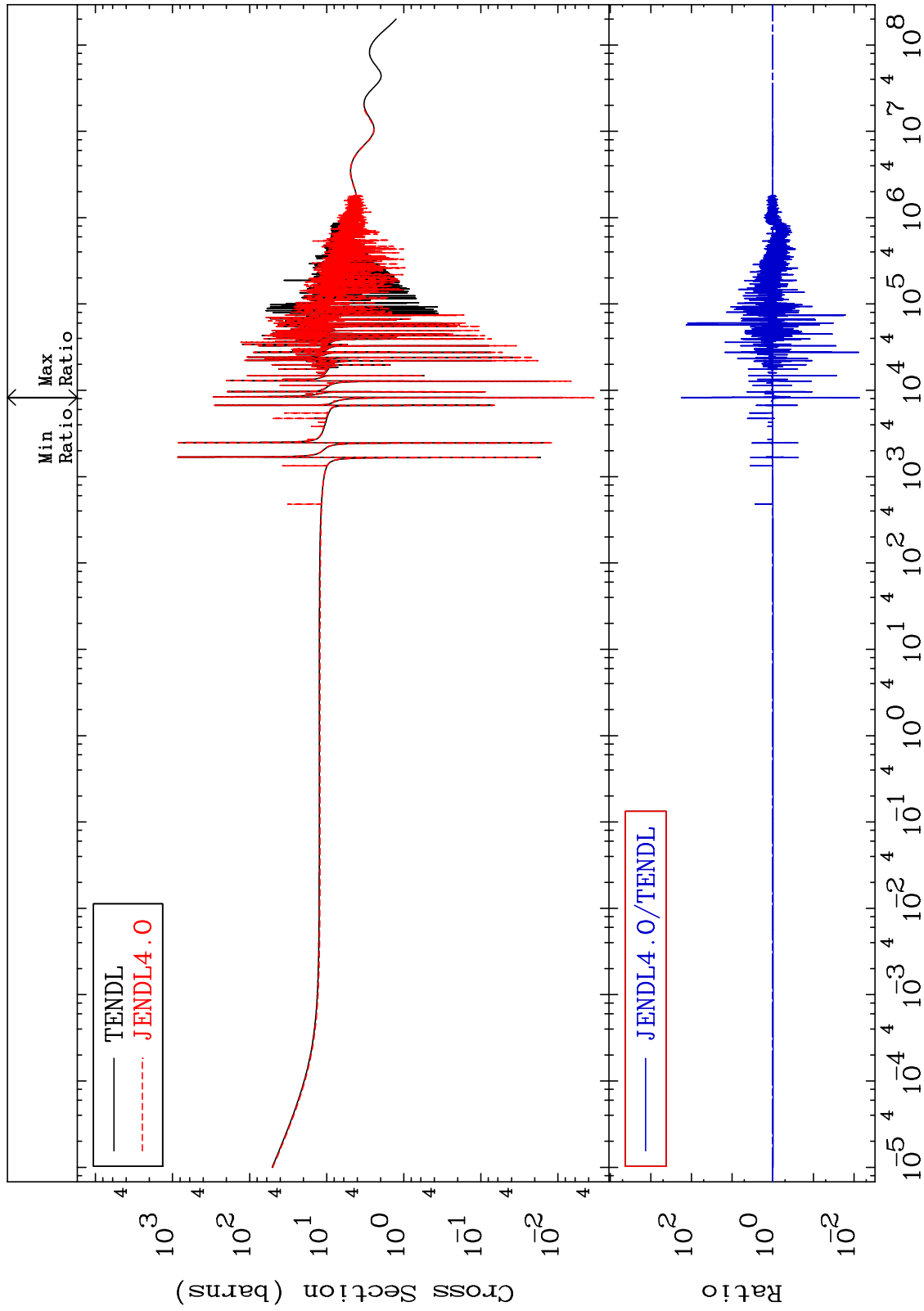
Incident Energy (eV)

82-Pb-204

MAT 8225

Elastic  
Cross Section

82-Pb-204  
-99.28 To 9999. %

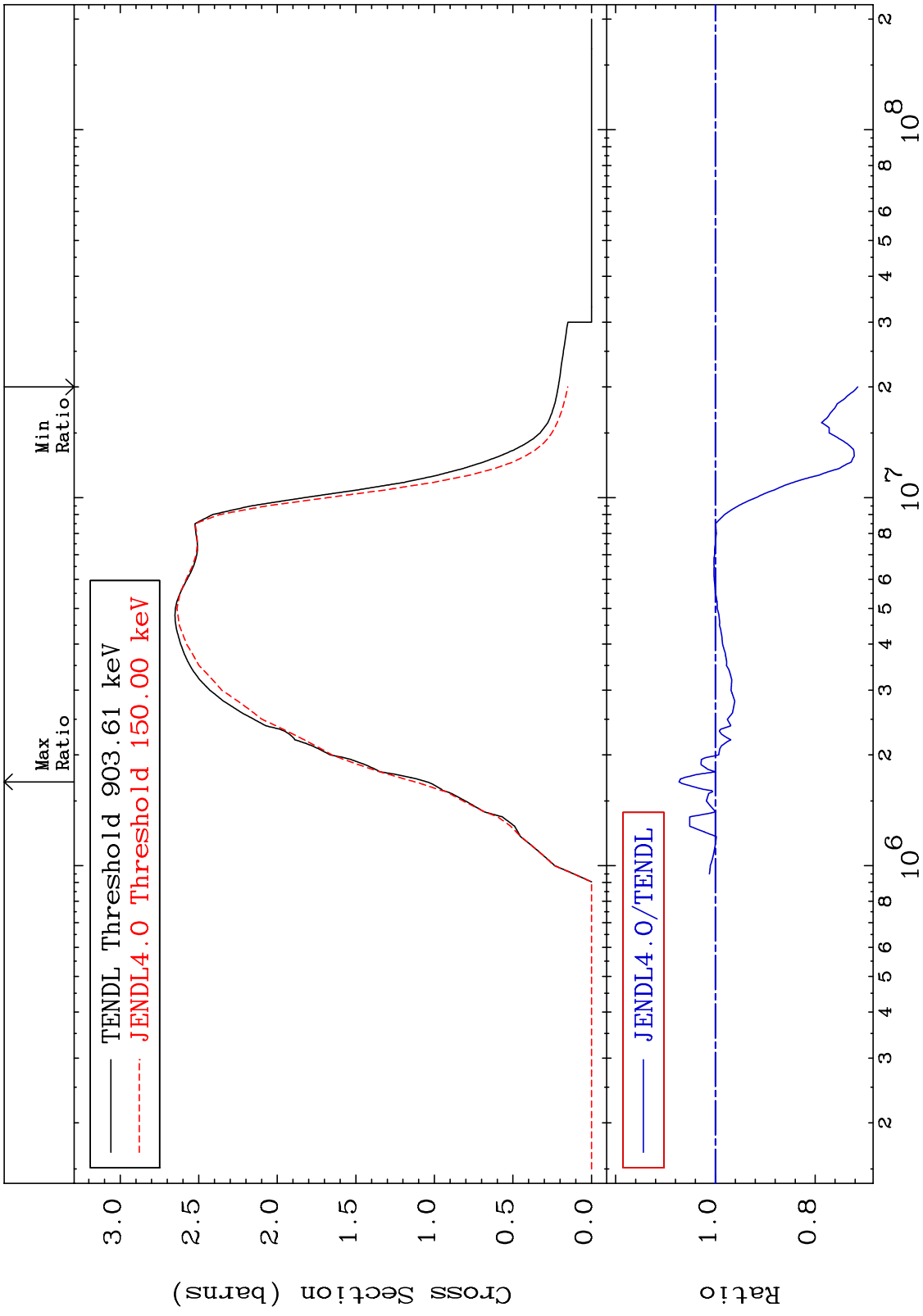


2

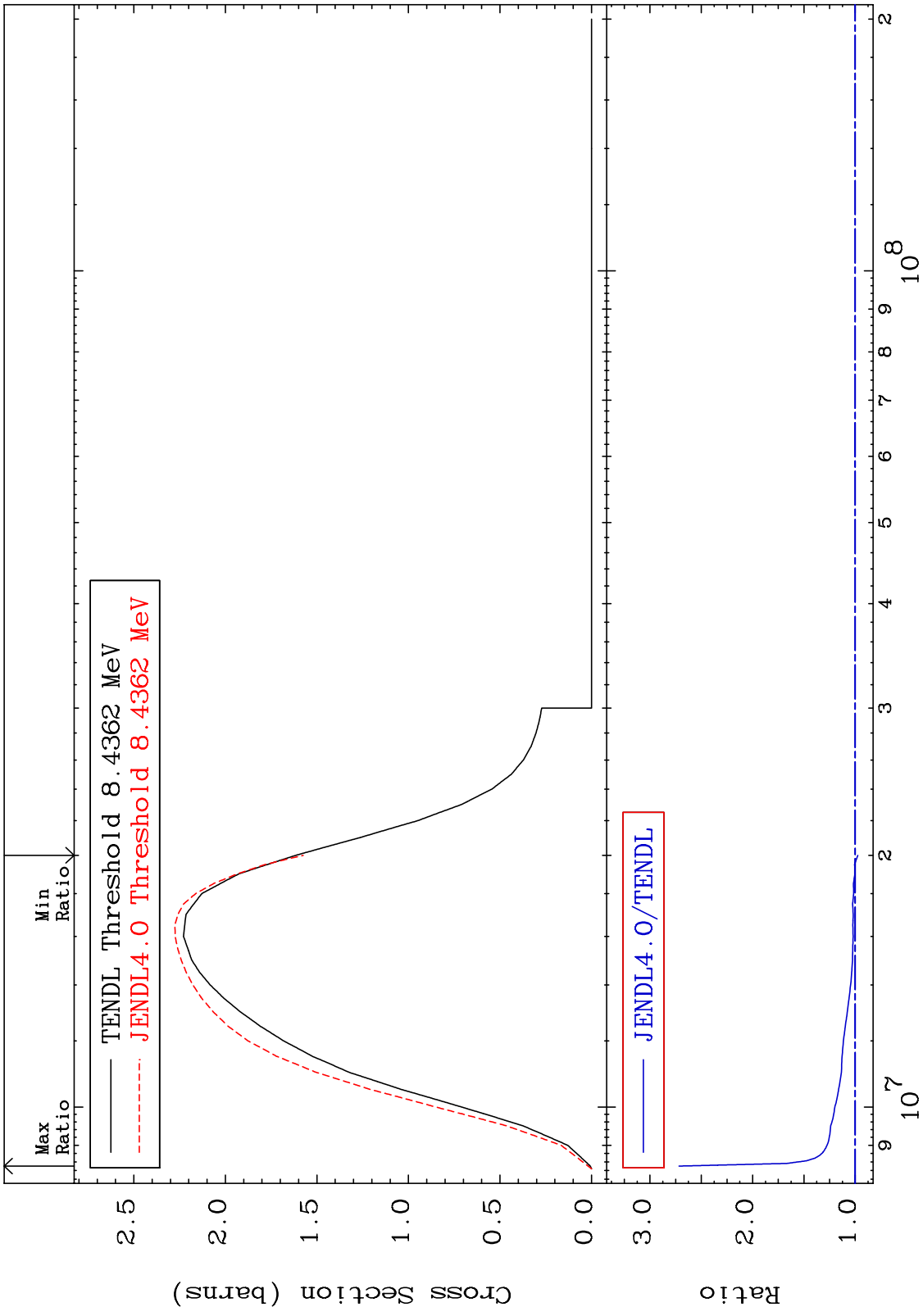
Incident Energy (eV)

82-Pb-204

MAT 8225 Inelastic Cross Section 82-Pb-204 -28.55 To 7.289 %

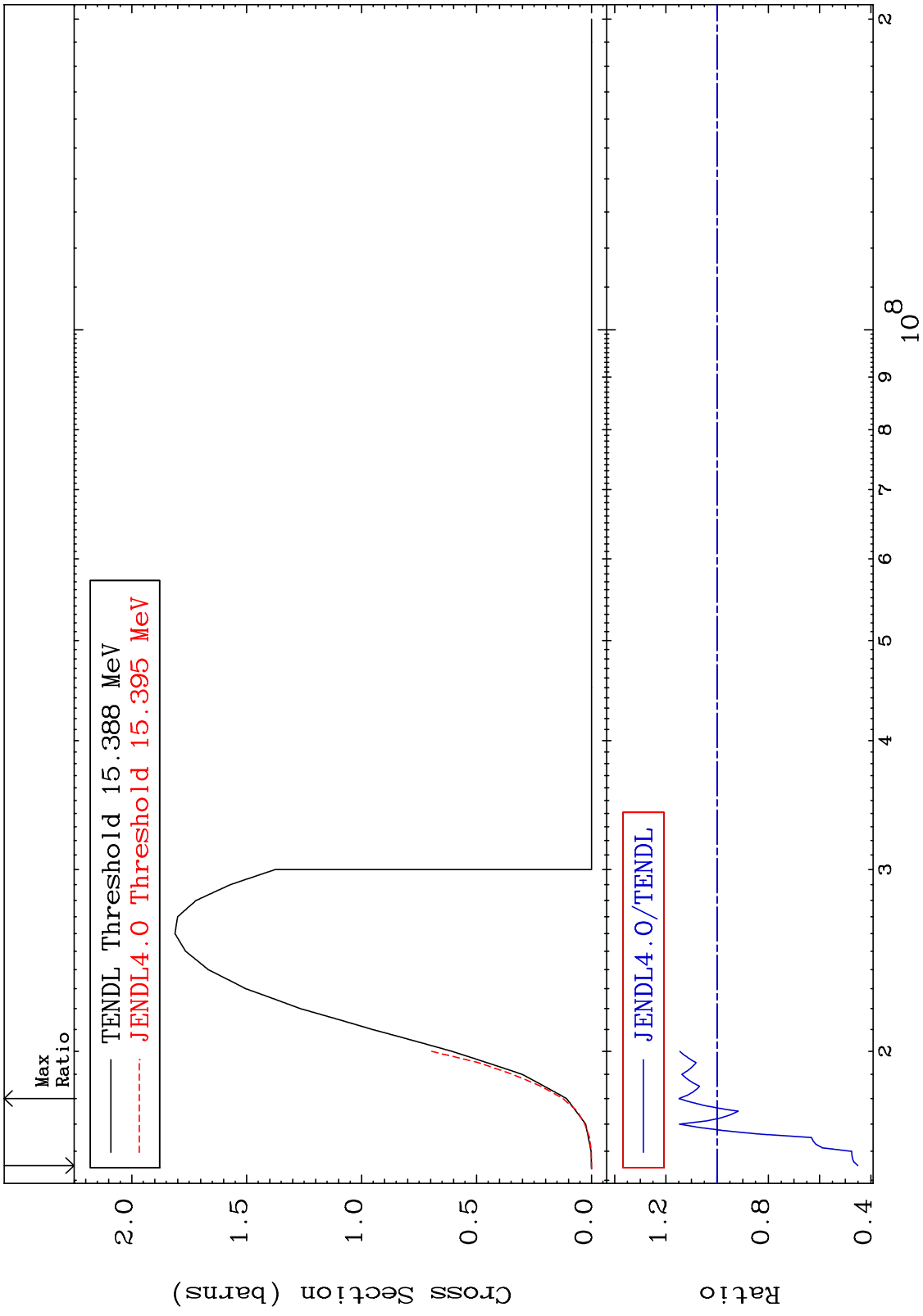


MAT 8225 (n,2n) Cross Section 82-Pb-204 -2.511 To 171.7 %

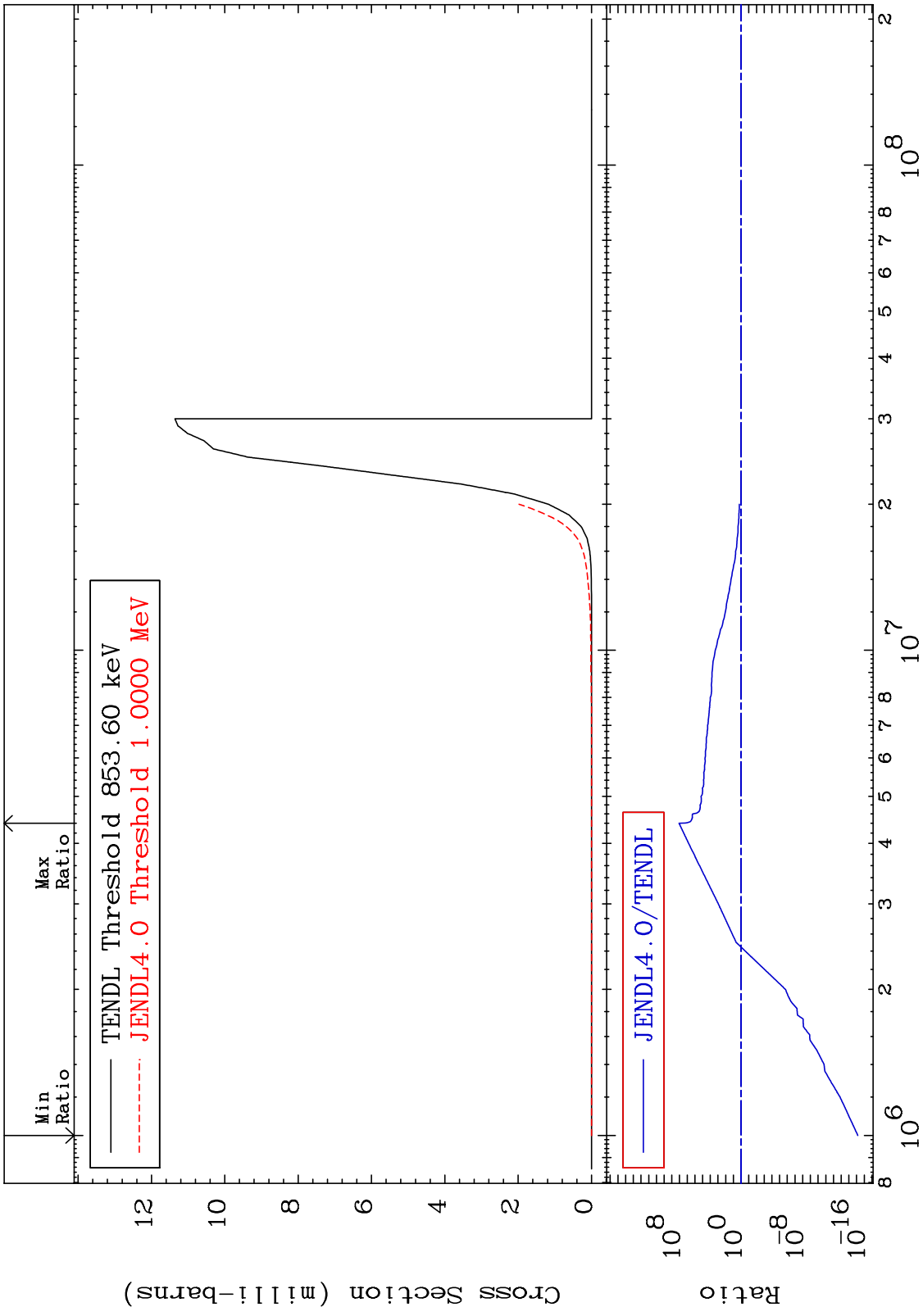


4 Incident Energy (eV) 82-Pb-204

MAT 8225 (n,3n) Cross Section 82-Pb-204 -54.91 To 14.86 %

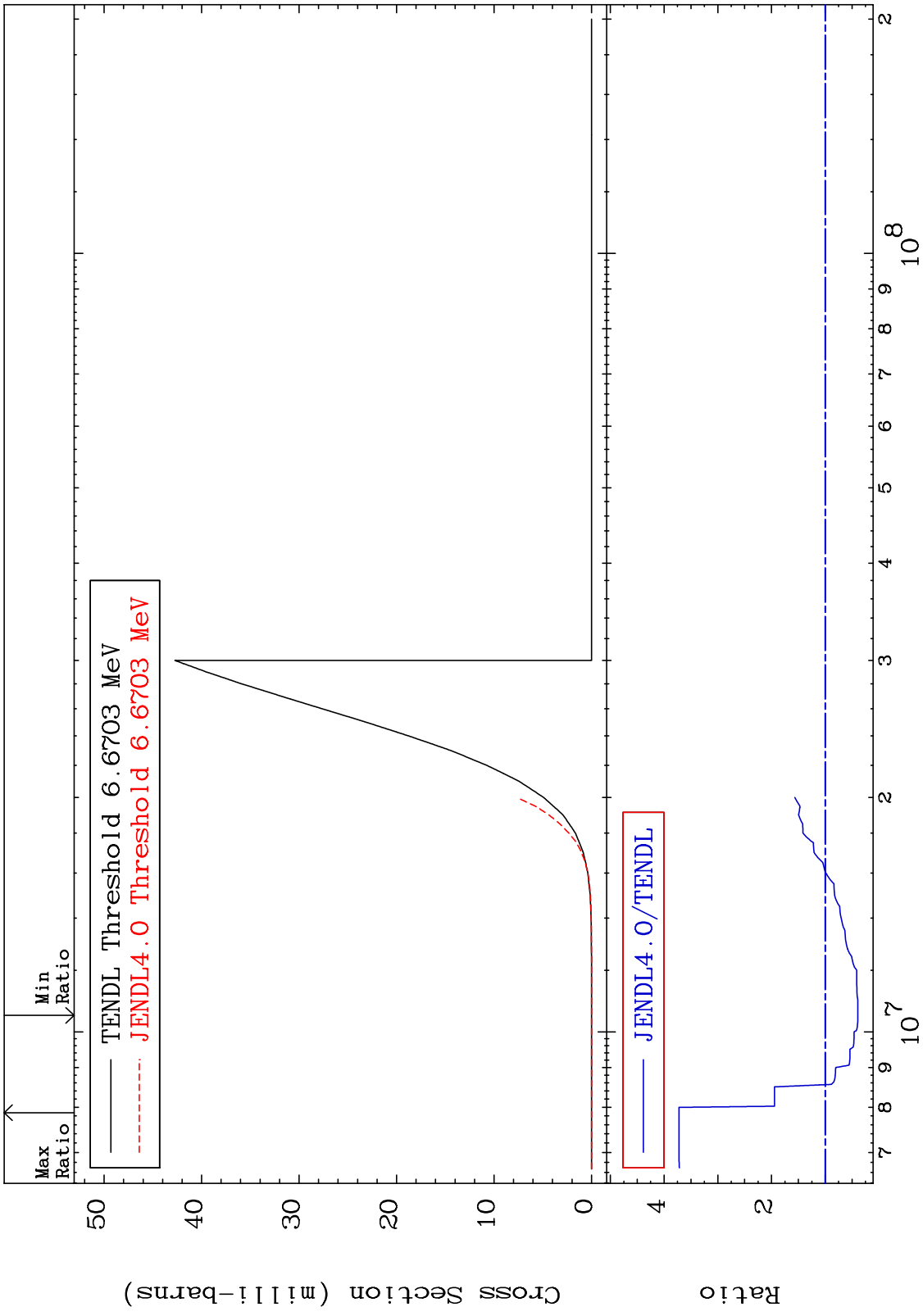


MAT 8225  $(n, n') \alpha$  82-Pb-204  
 Cross Section -100.0 To 9999. %



82-Pb-204

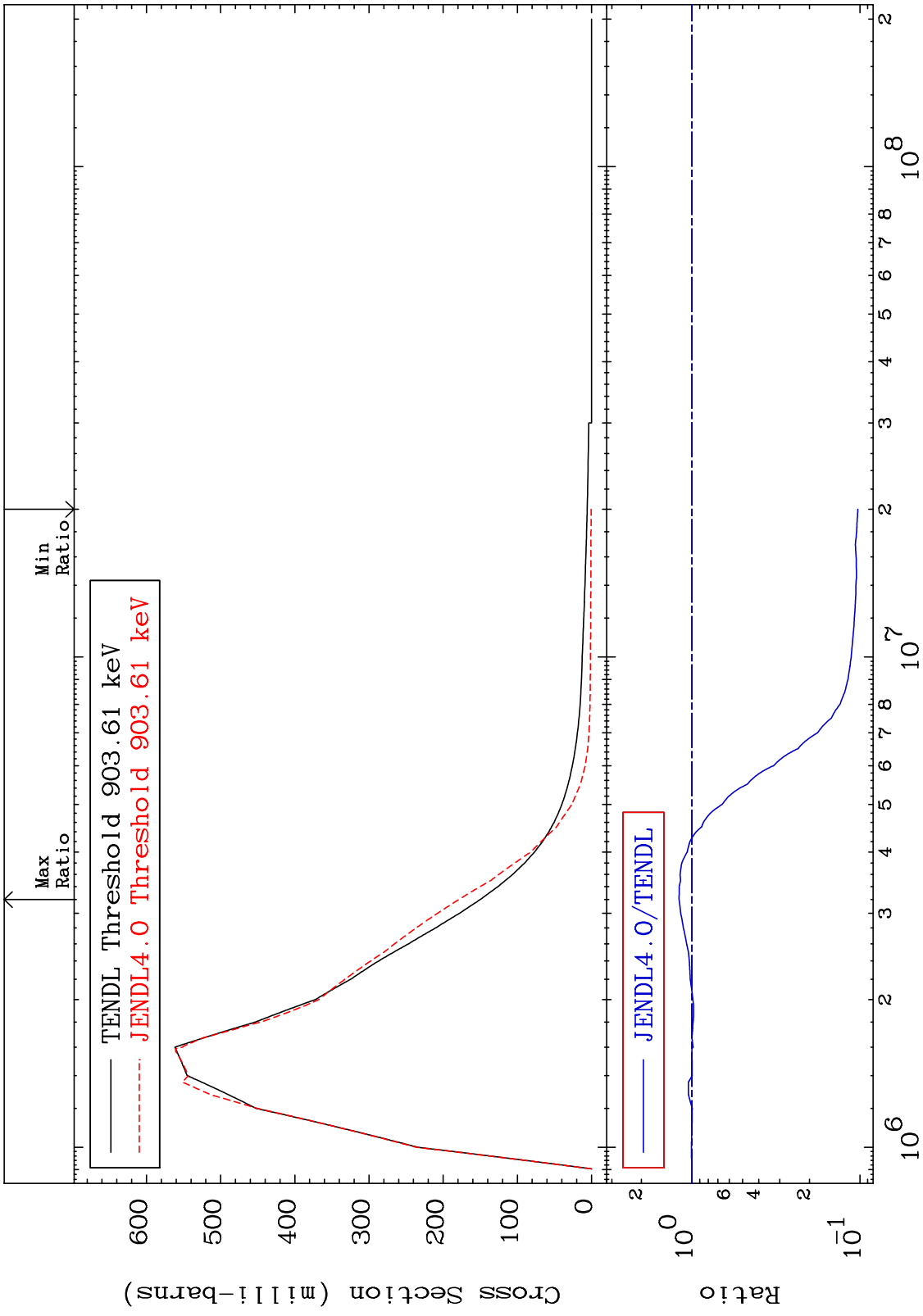
MAT 8225 (n,n') p 82-Pb-204  
Cross Section -60.71 To 272.1 %



7 Incident Energy (eV) 82-Pb-204

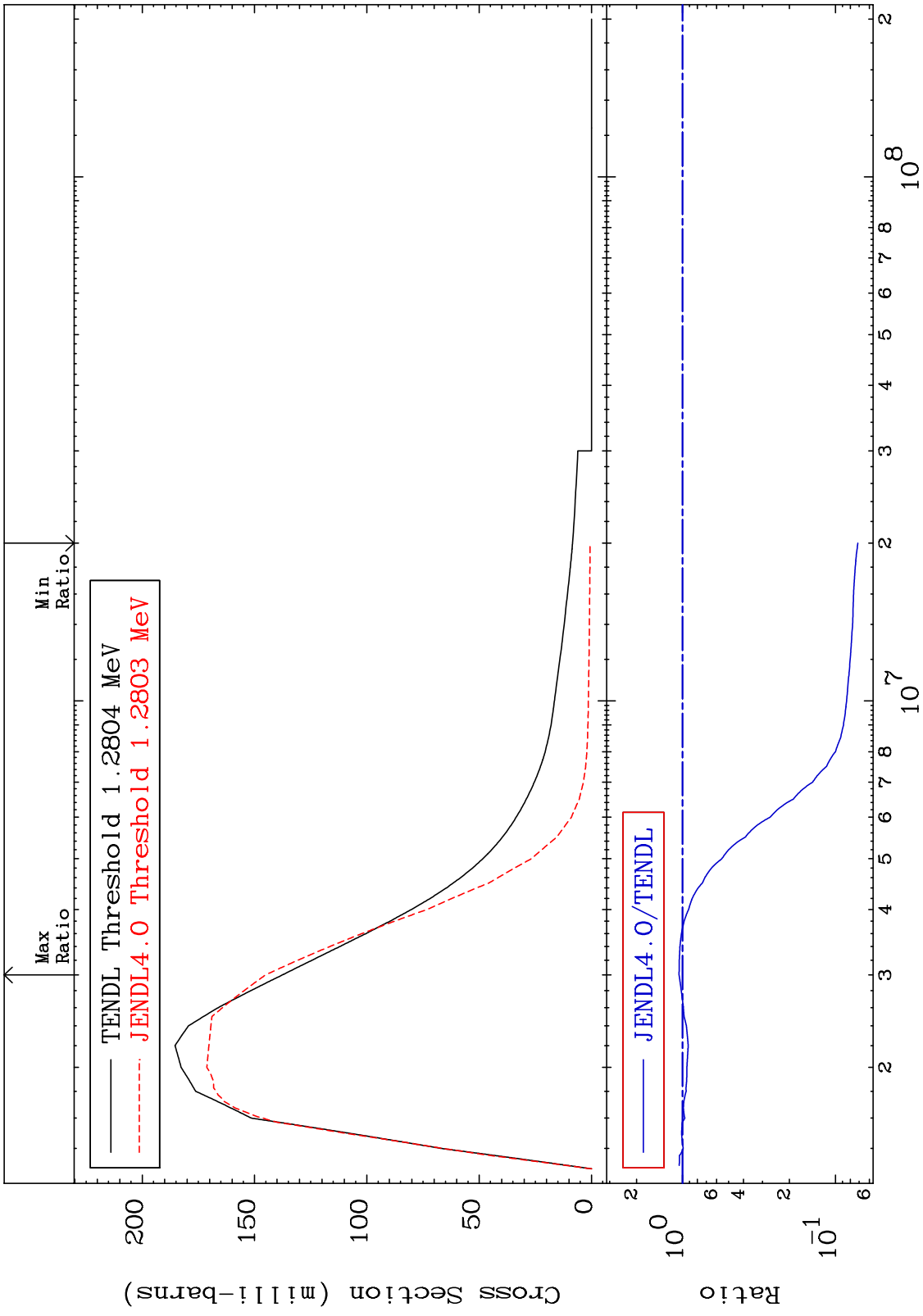


MAT 8225 MT= 51 (n,n') Level Cross Section 82-Pb-204 -89.70 To 19.35 %

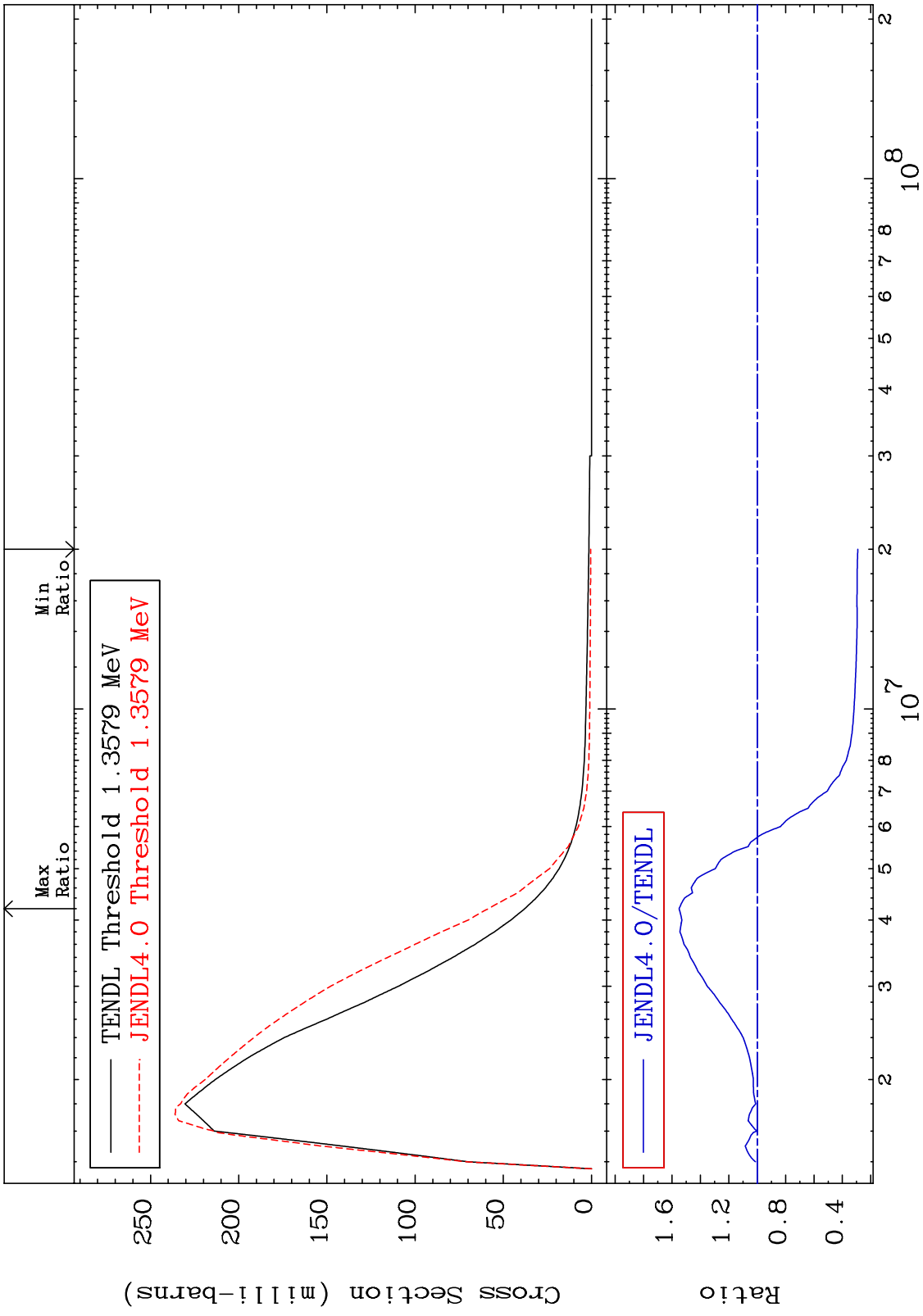


82-Pb-204

MAT 8225 MT= 52 (n,n') Level Cross Section 82-Pb-204 -92.86 To 5.458 %

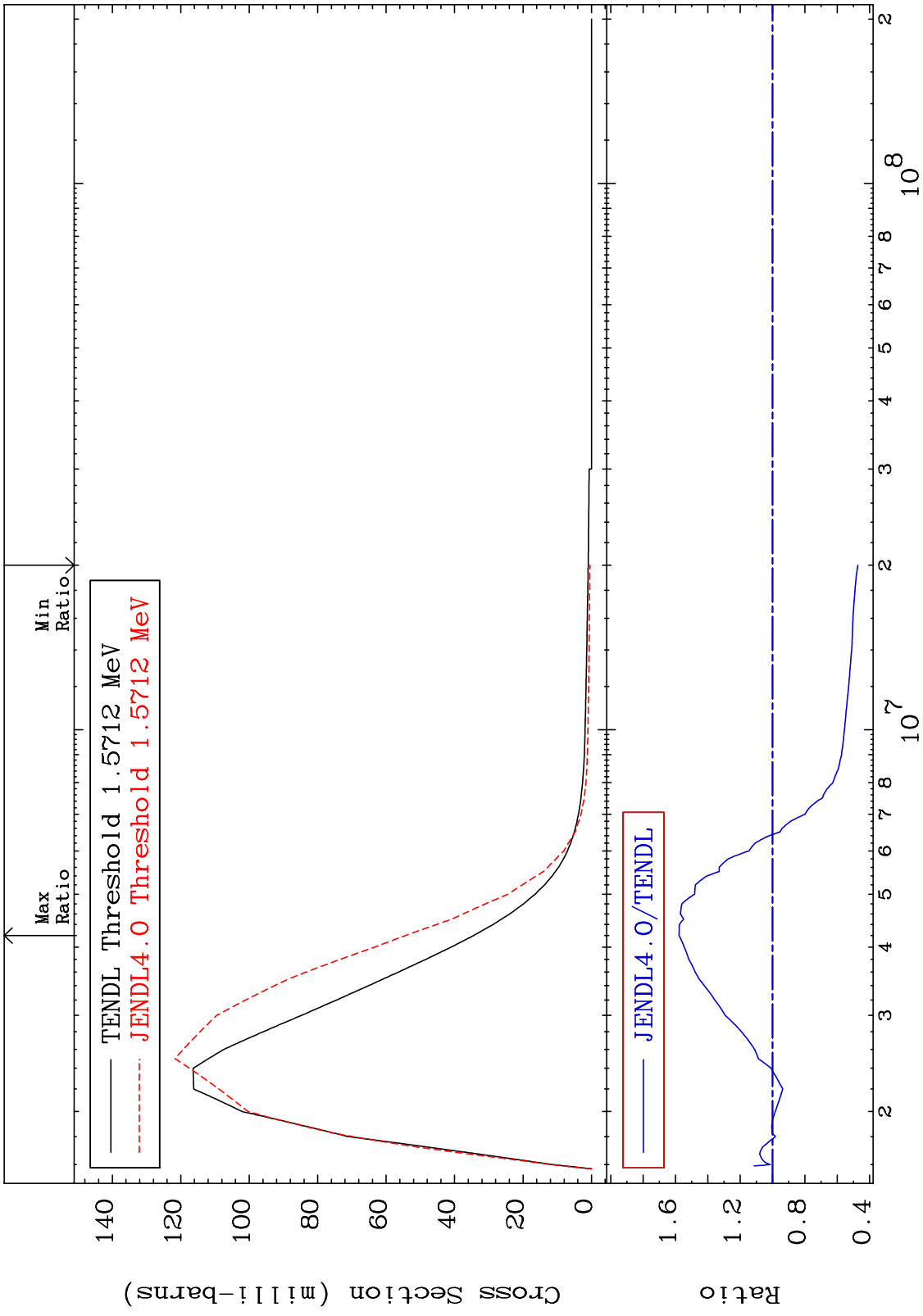


MAT 8225 MT= 53 (n, n') Level Cross Section 82-Pb-204  
 -70.89 To 55.02 %

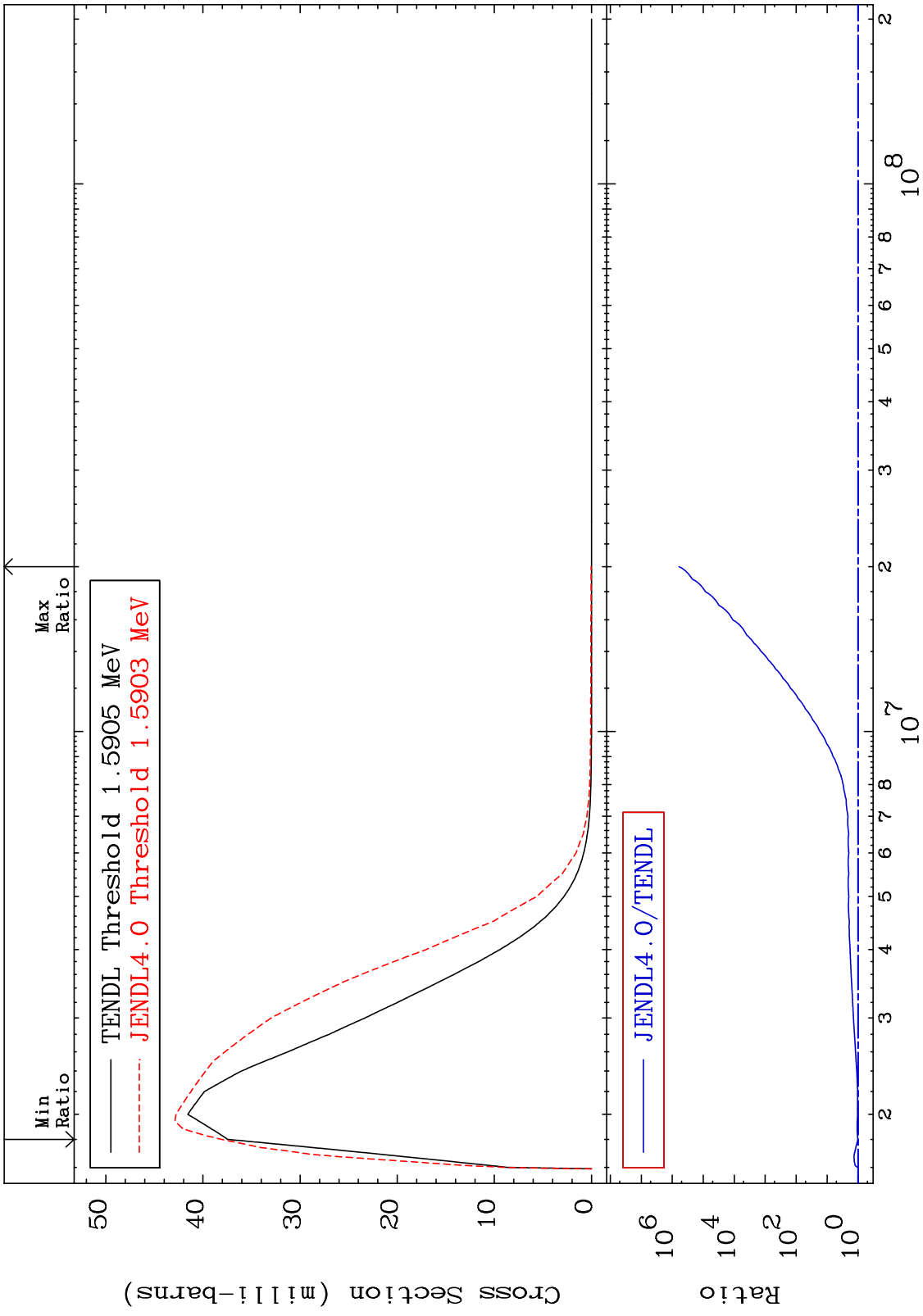


10 82-Pb-204

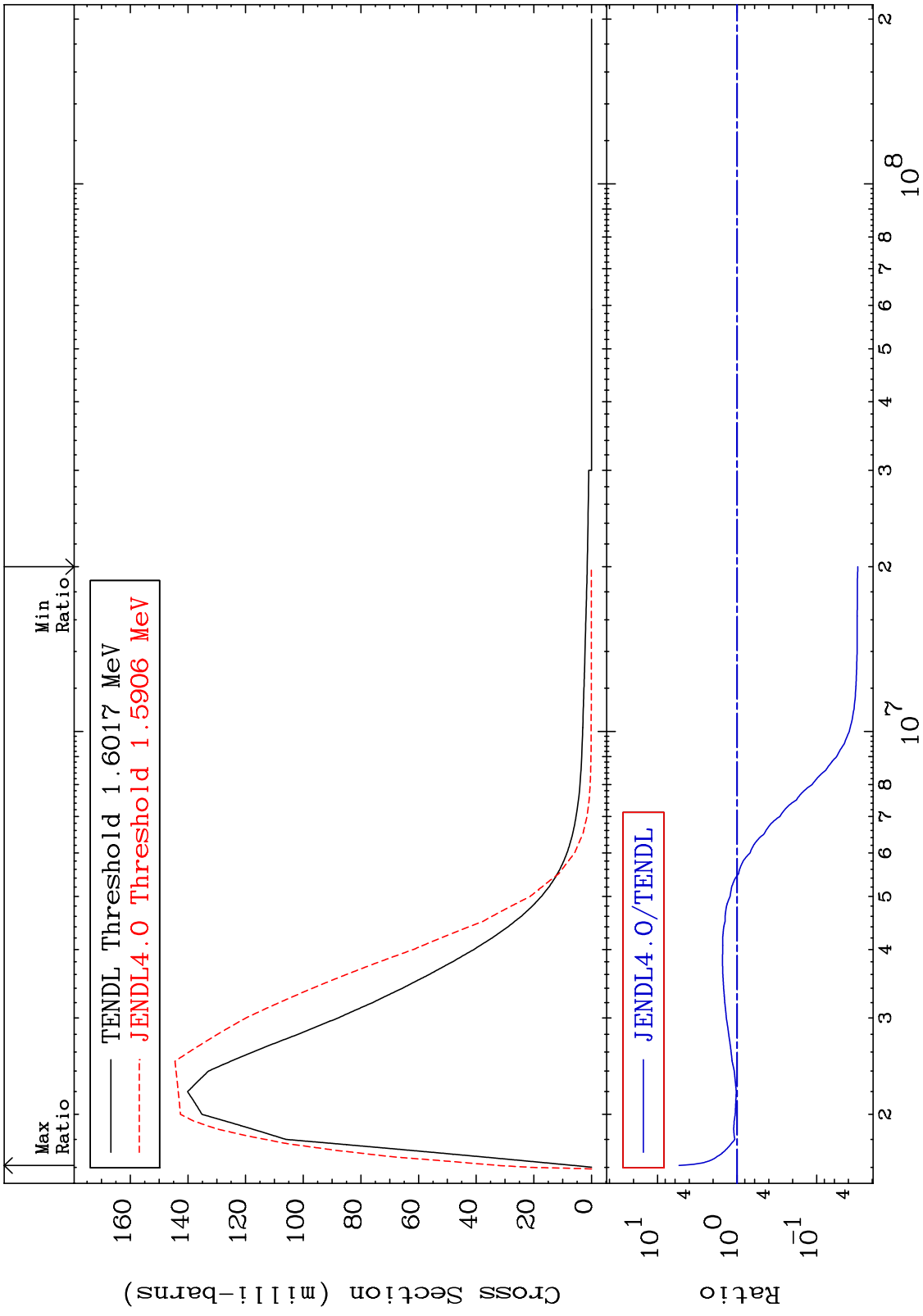
MAT 8225 MT= 54 (n,n') Level Cross Section 82-Pb-204 -52.75 To 57.82 %



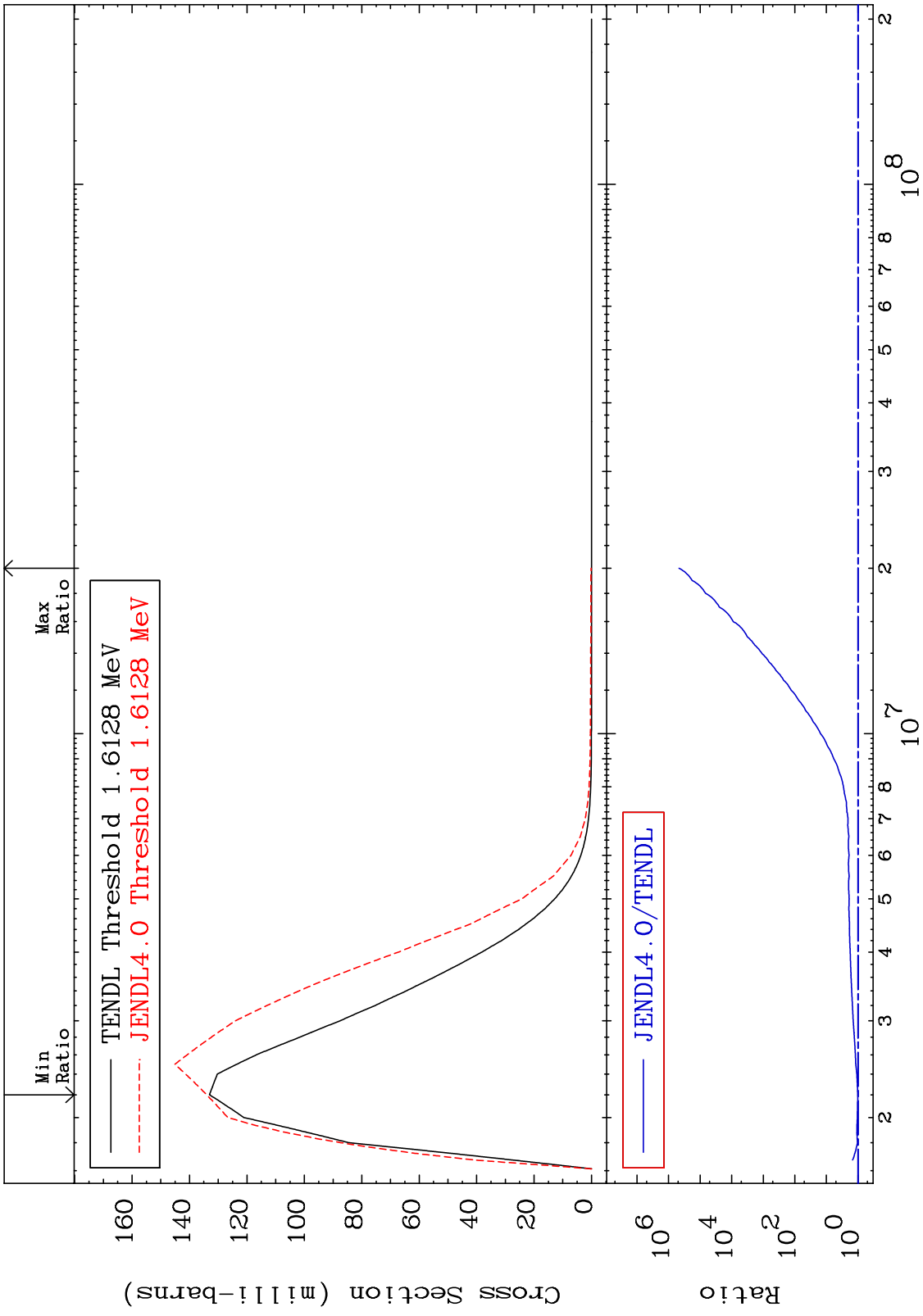
MAT 8225 MT= 55 (n,n') Level Cross Section 82-Pb-204 To 9999. %  
 1.651



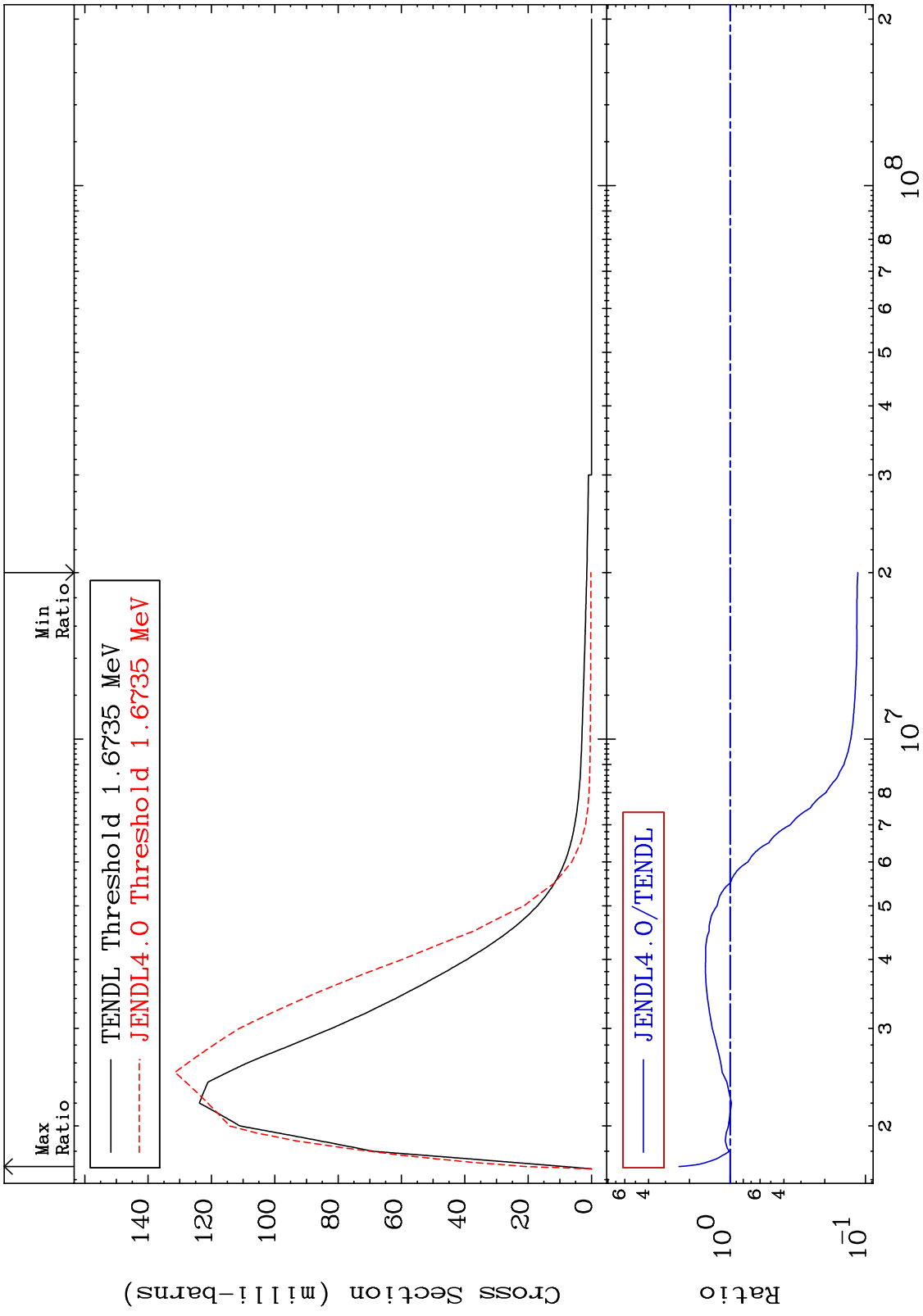
MAT 8225 MT= 56 (n,n') Level Cross Section 82-Pb-204 -96.96 To 435.8 %



MAT 8225 MT= 57 (n,n') Level Cross Section 82-Pb-204  
 0.749 To 9999. %

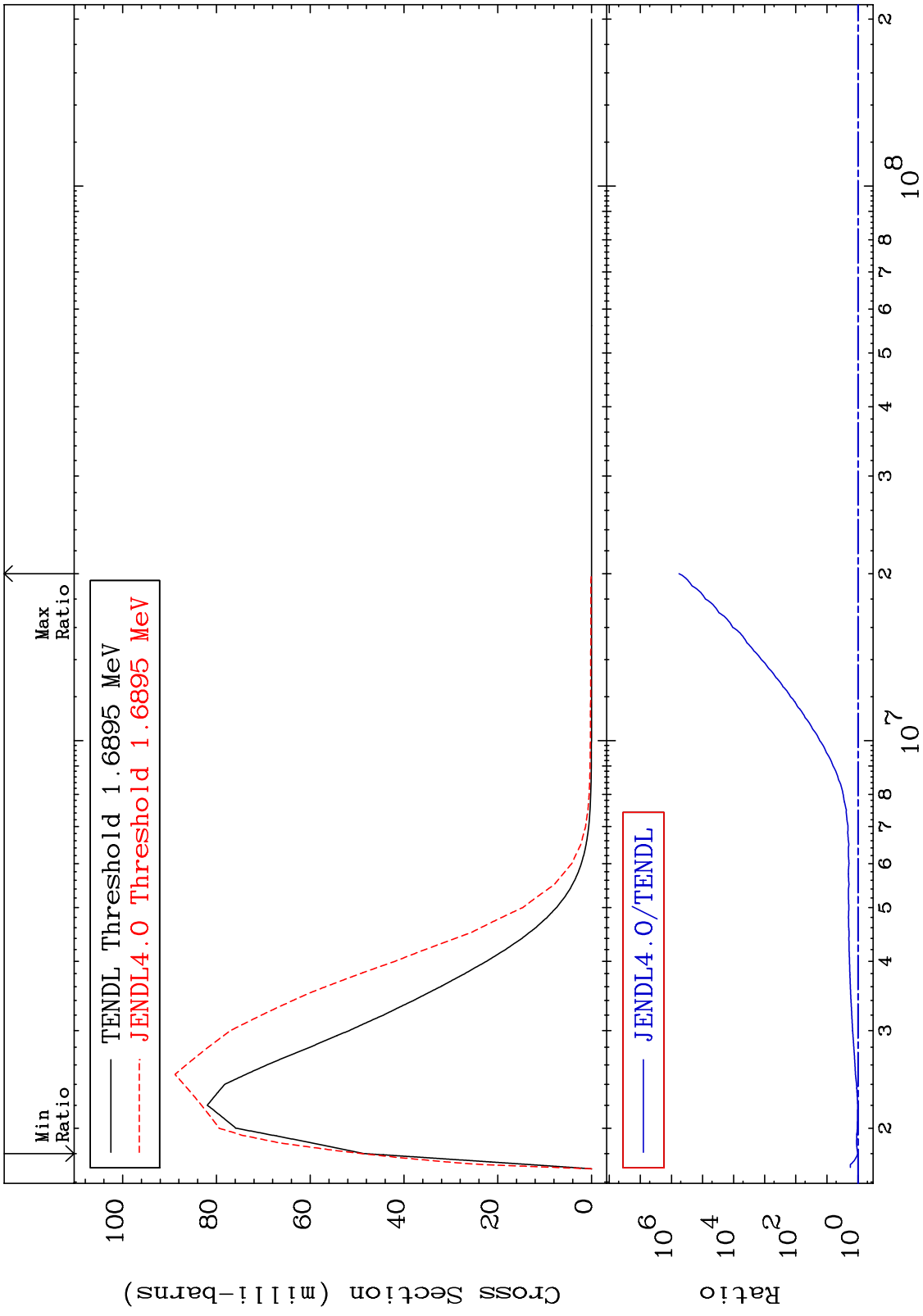


MAT 8225 MT= 58 (n,n') Level Cross Section 82-Pb-204  
 -88.61 To 138.4 %

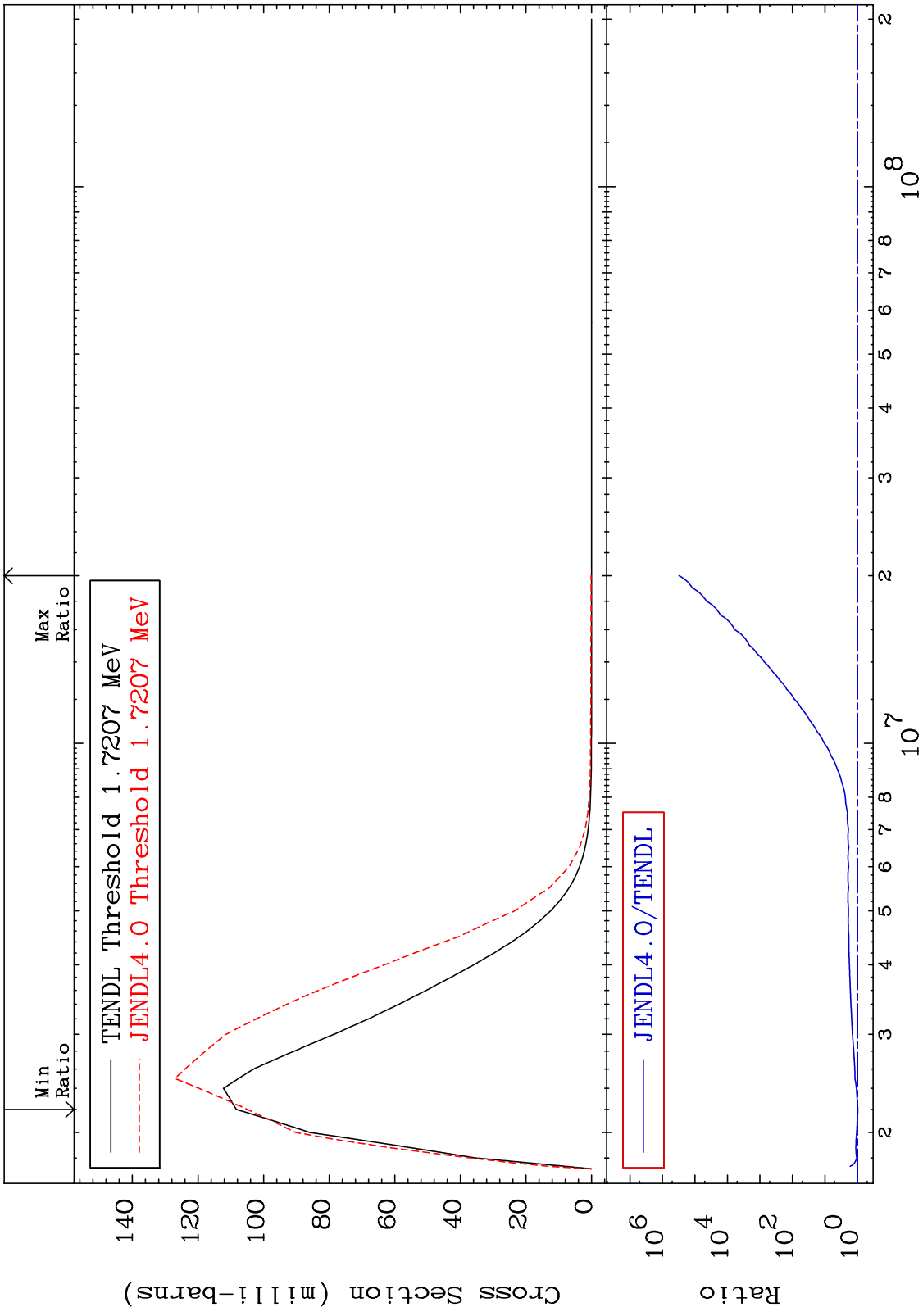




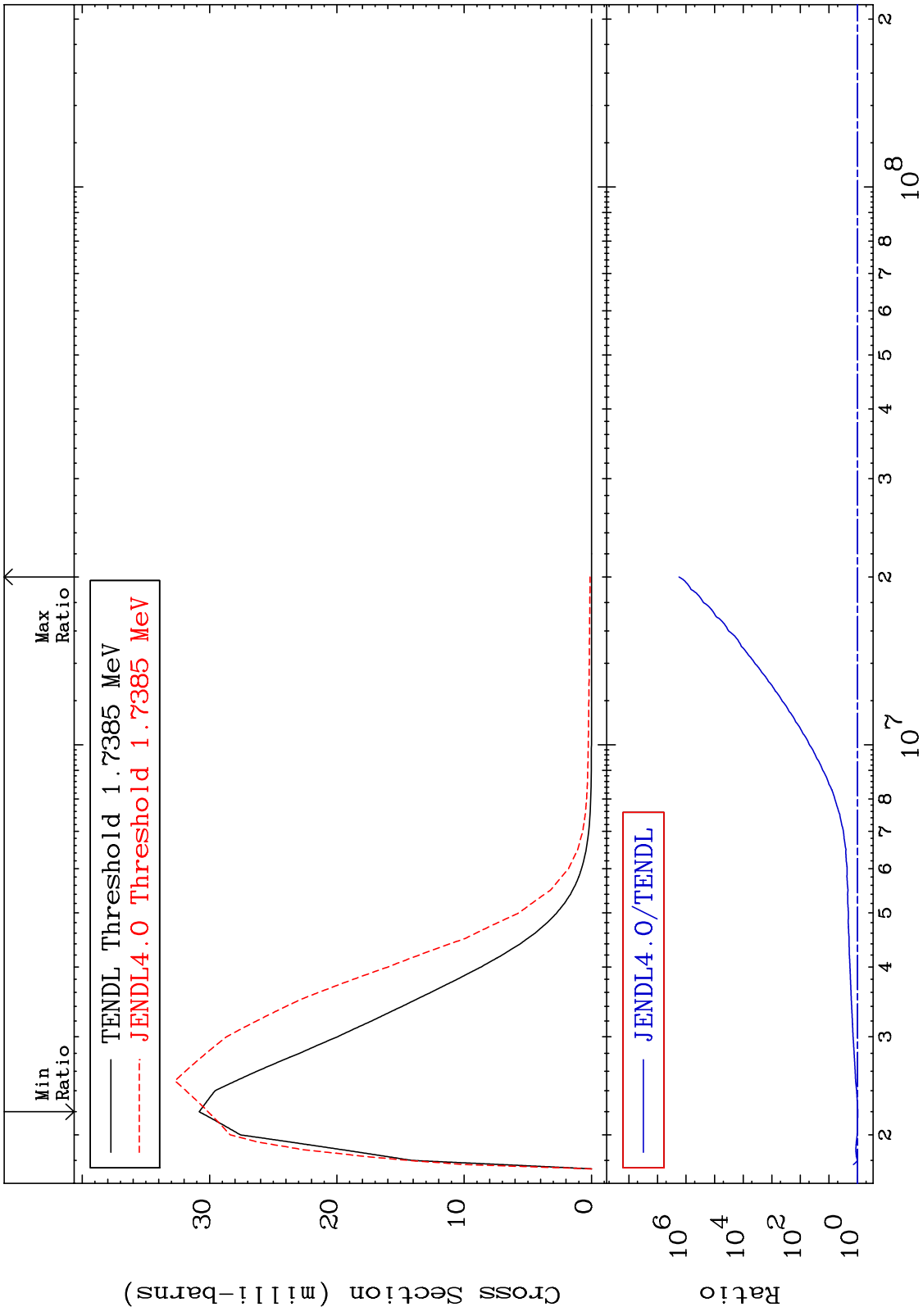
MAT 8225 MT= 59 (n,n') Level Cross Section 82-Pb-204 To 9999. %  
 0.908



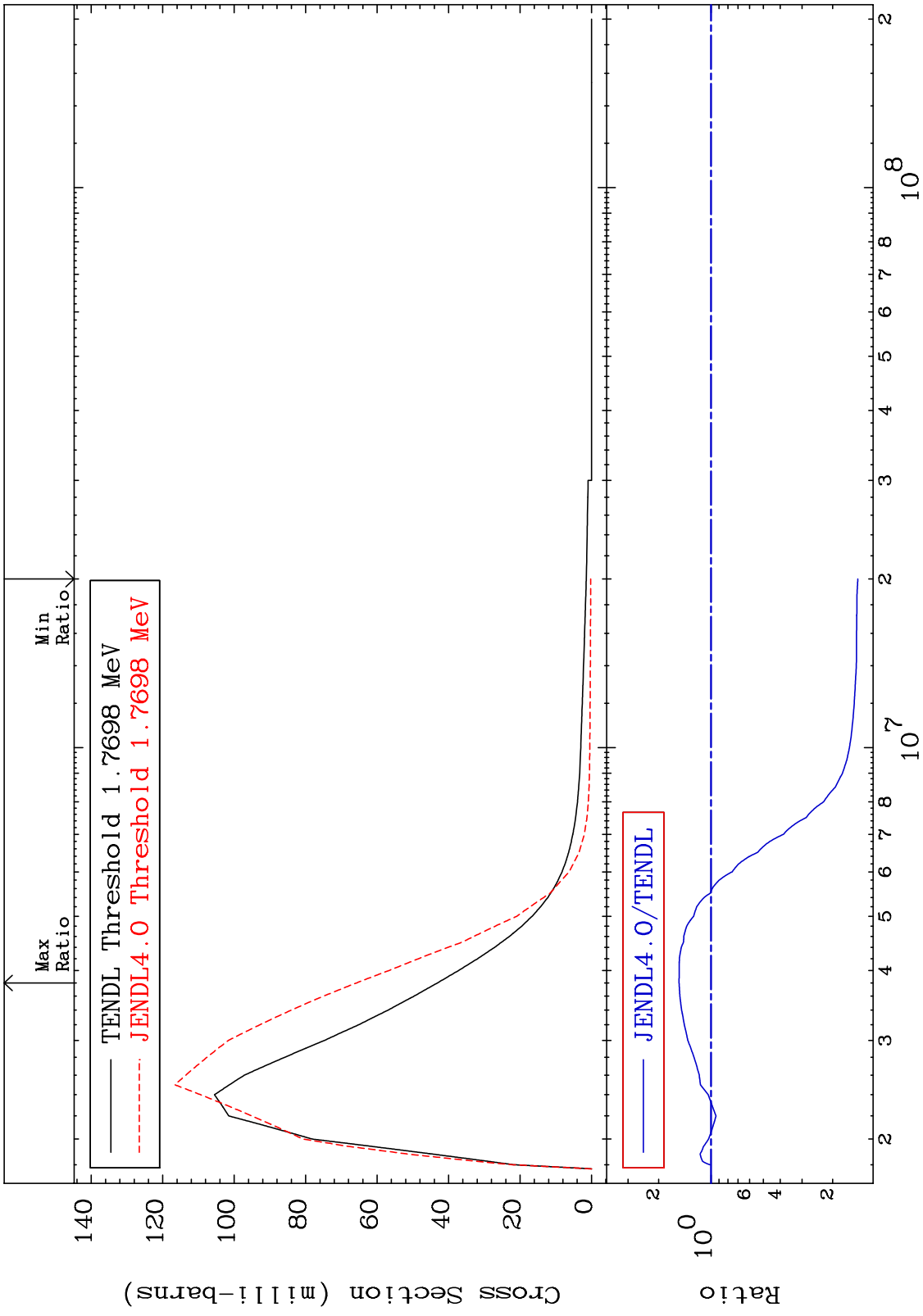
MAT 8225 MT= 60 (n,n') Level Cross Section 82-Pb-204  
 -3.117 To 9999. %



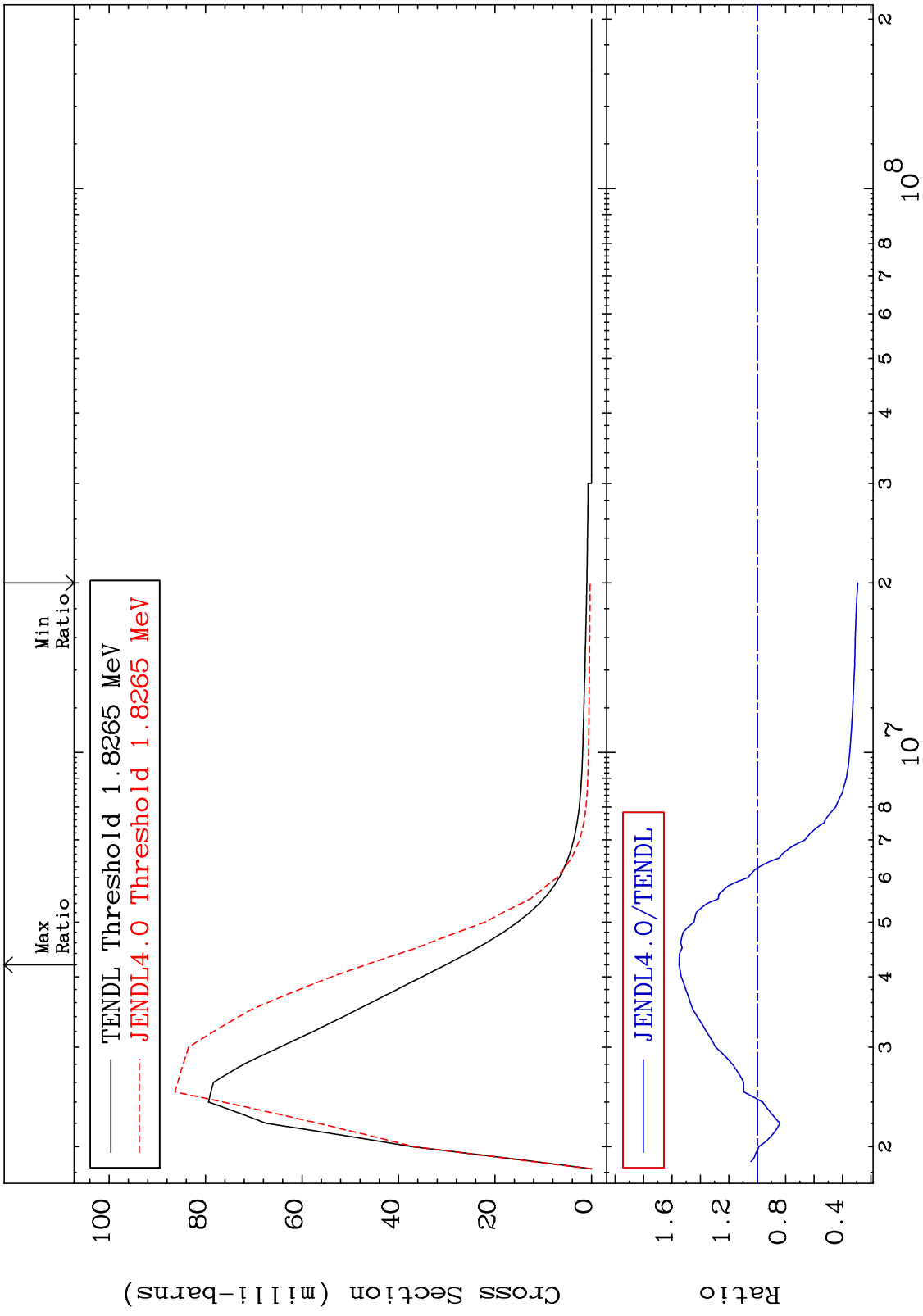
MAT 8225 MT= 61 (n,n') Level Cross Section 82-Pb-204  
 -2.263 To 9999. %



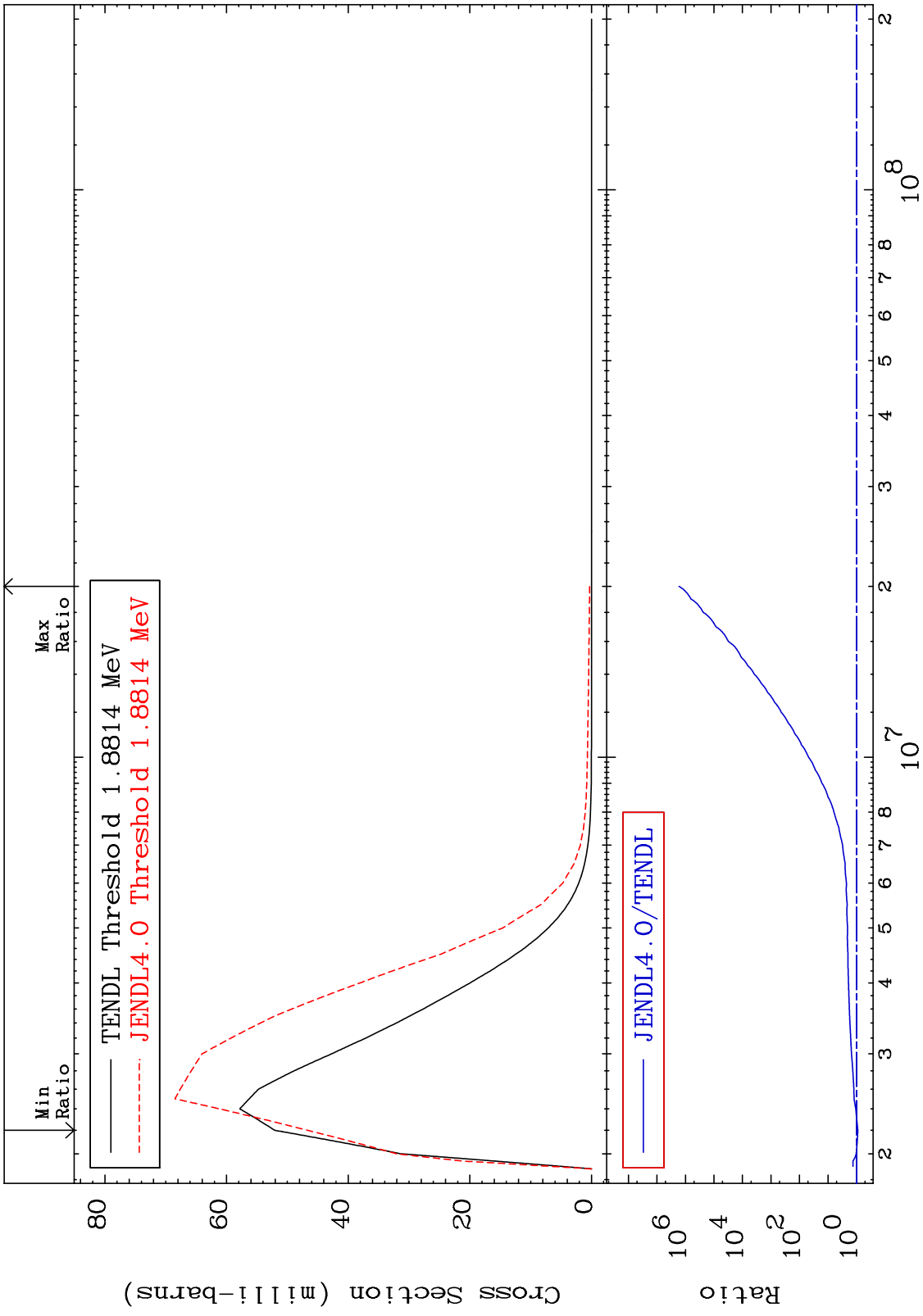
MAT 8225 MT= 62 (n,n') Level Cross Section 82-Pb-204 -85.67 To 52.63 %



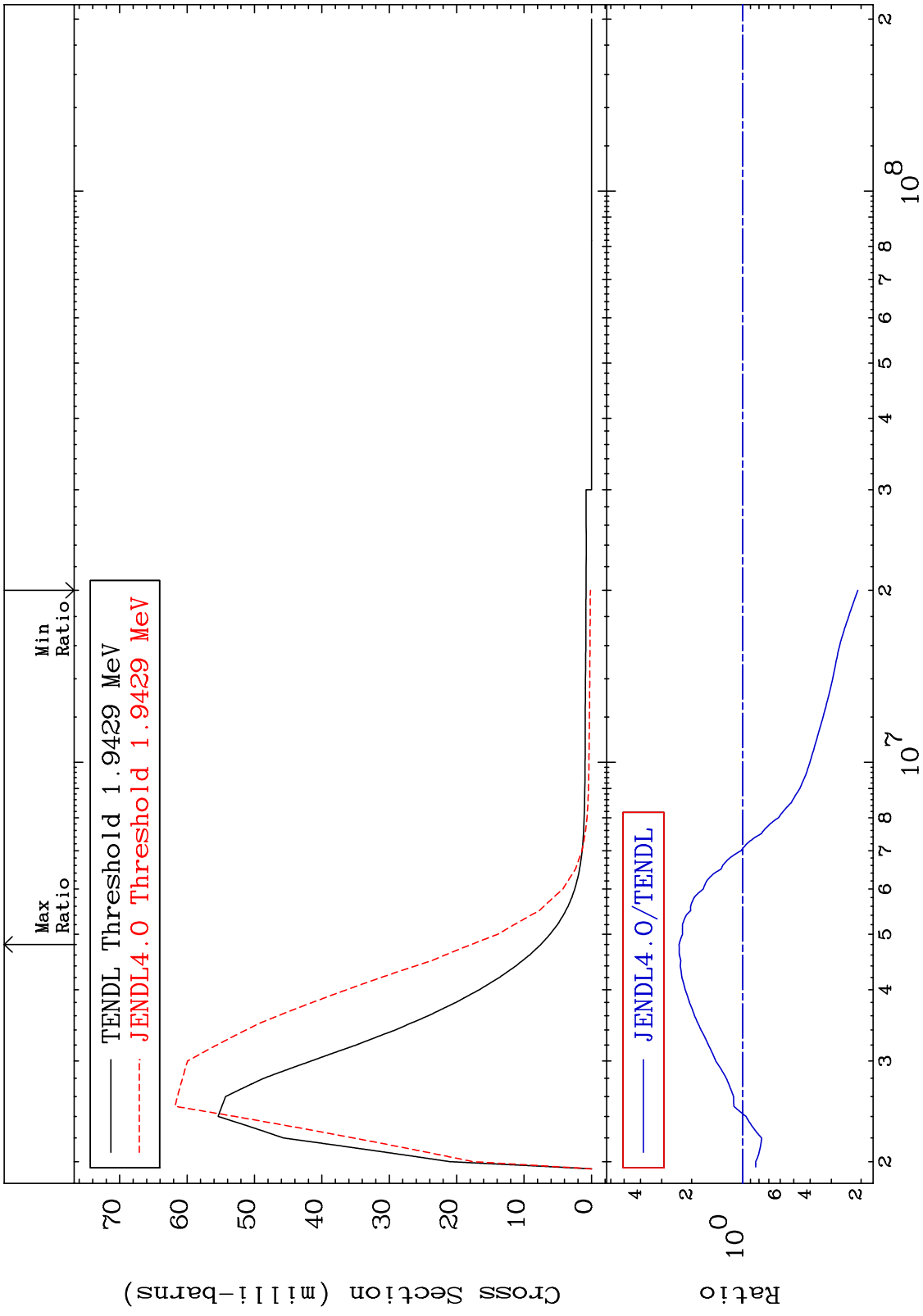
MAT 8225 MT= 63 (n,n') Level Cross Section 82-Pb-204  
 -70.81 To 54.99 %



MAT 8225 MT= 64 (n,n') Level Cross Section 82-Pb-204  
 -10.47 To 9999. %



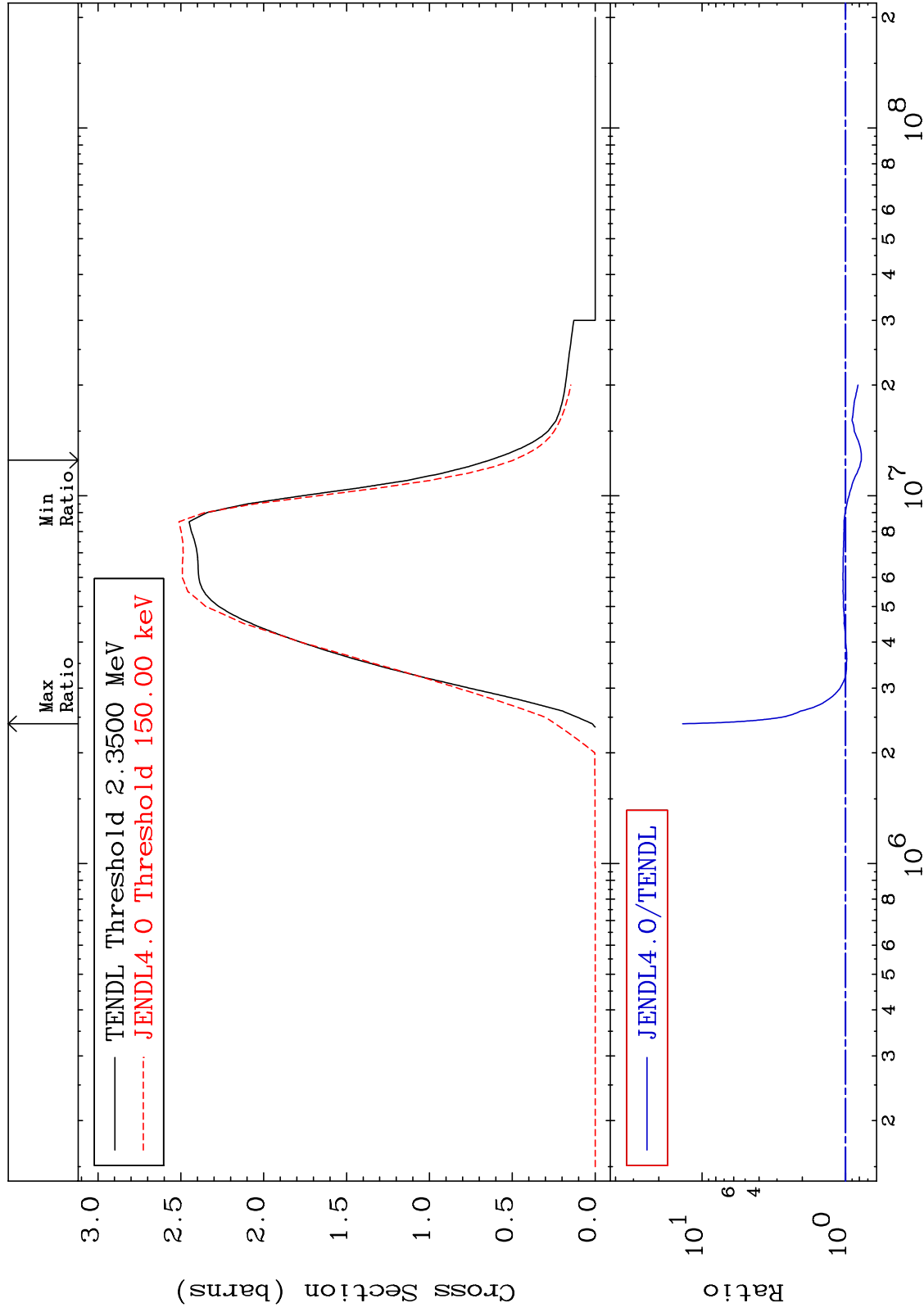
MAT 8225 MT= 65 (n,n') Level Cross Section 82-Pb-204  
 -79.08 To 137.1 %



MAT 8225

(n, n') Continuum  
Cross Section

82-Pb-204  
-22.41 To 1263. %





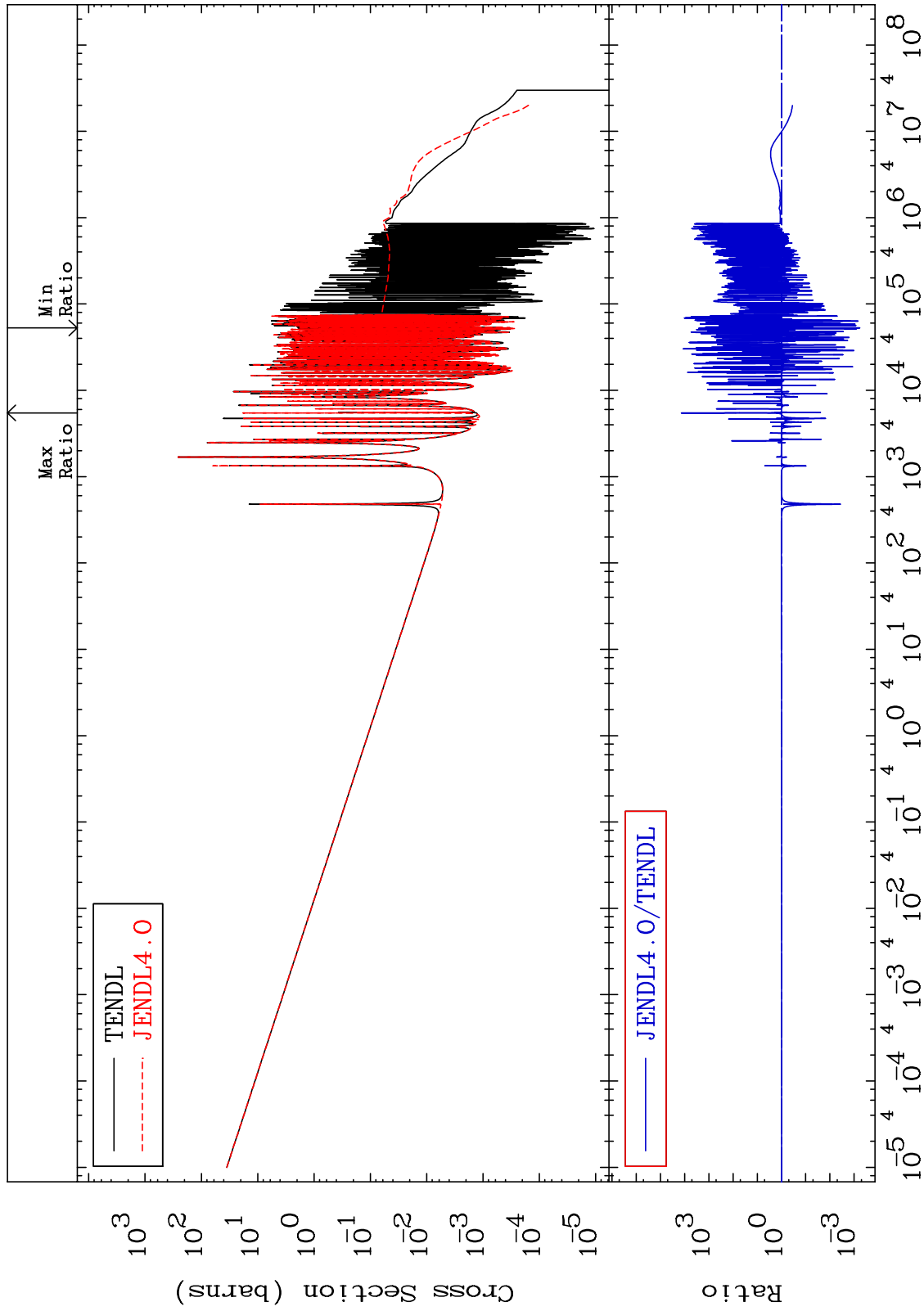
MAT 8225

(n,  $\gamma$ )

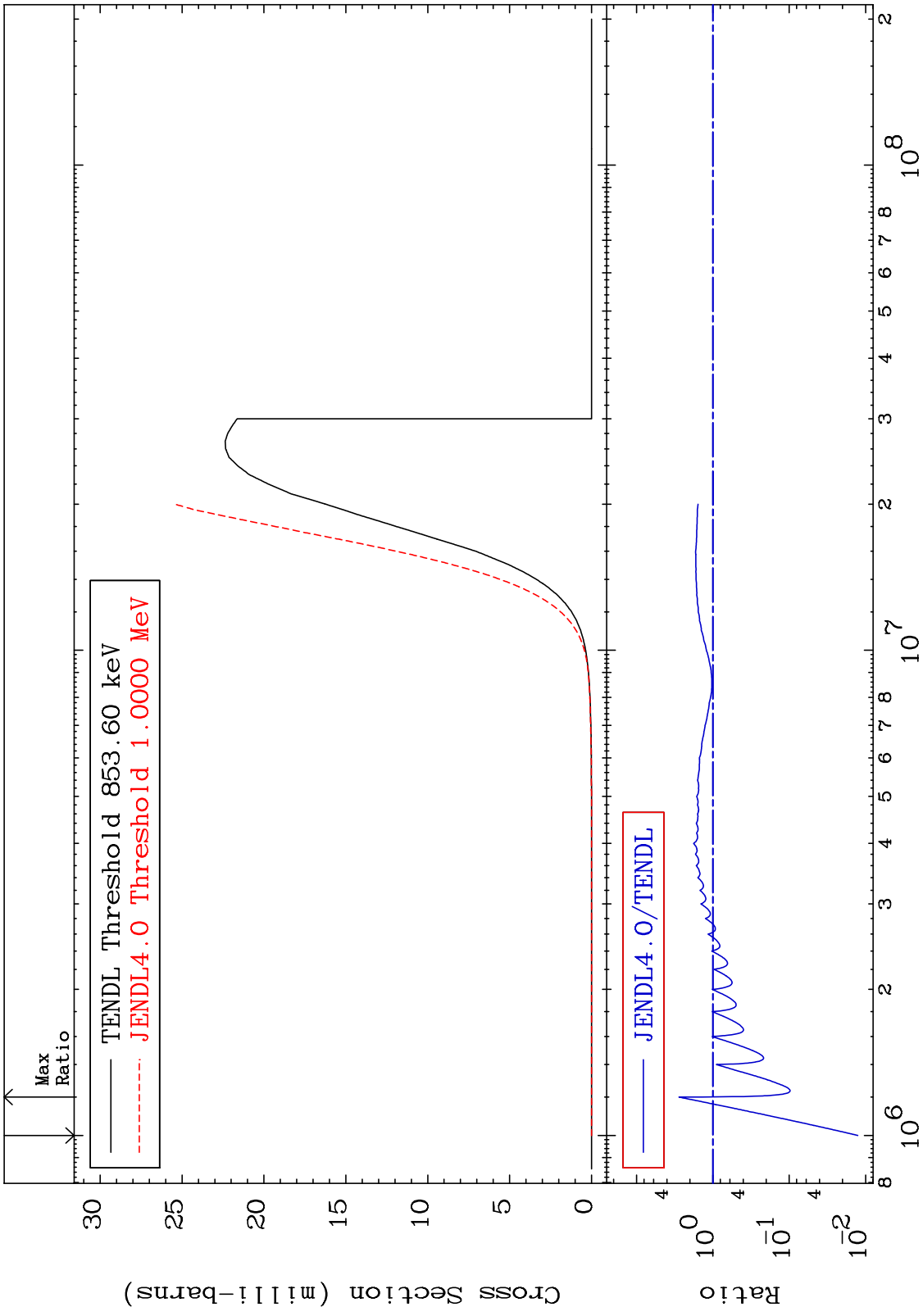
82-Pb-204

Cross Section

-99.94 To 9999. %



MAT 8225 (n,p) Cross Section 82-Pb-204 -98.74 To 177.8 %



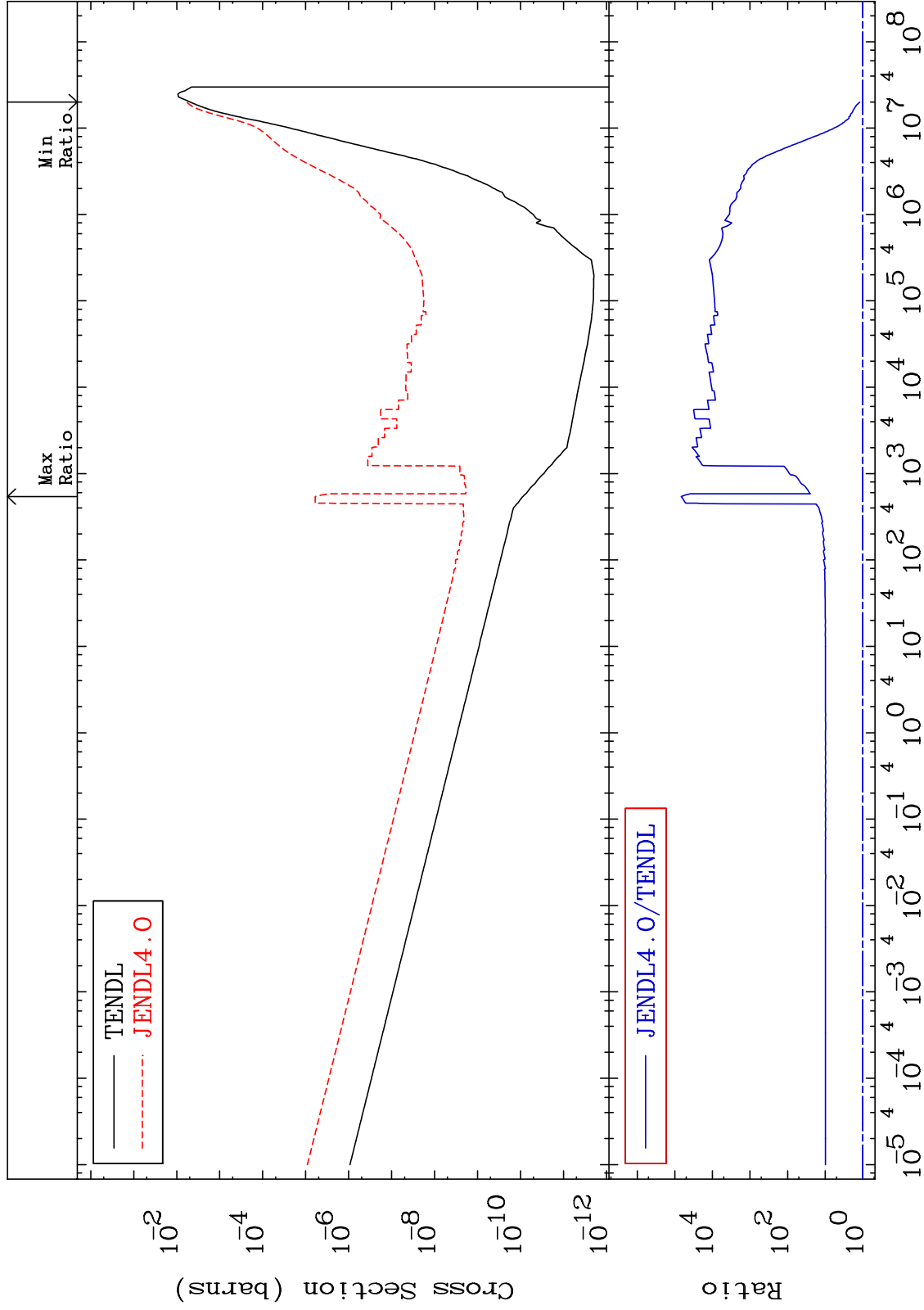
25 Incident Energy (eV) 82-Pb-204

MAT 8225

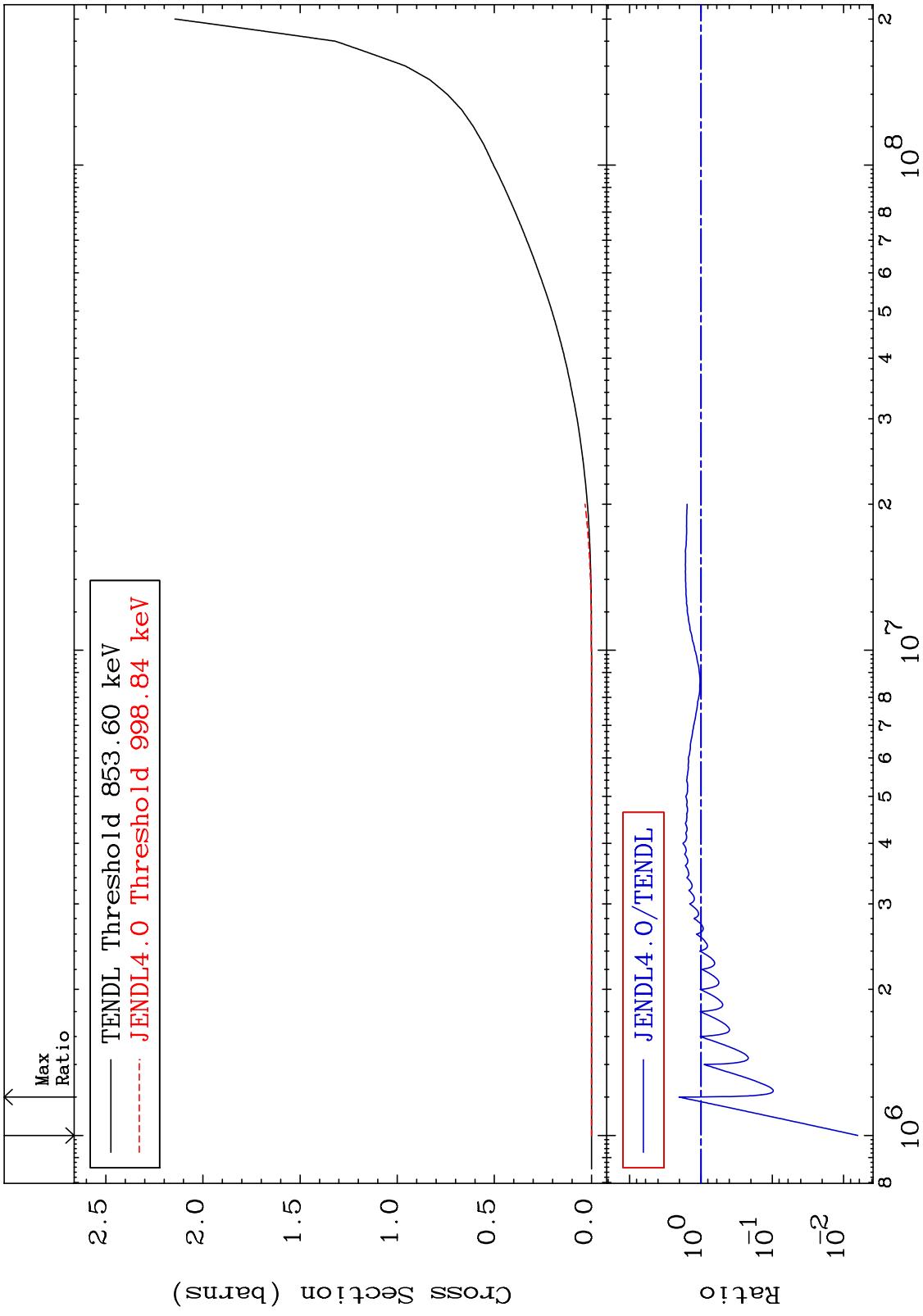
(n,  $\alpha$ )

Cross Section

82-Pb-204  
20.27 To 9999. %



MAT 8225 Hydrogen Production Cross Section 82-Pb-204 -99.37 To 102.9 %

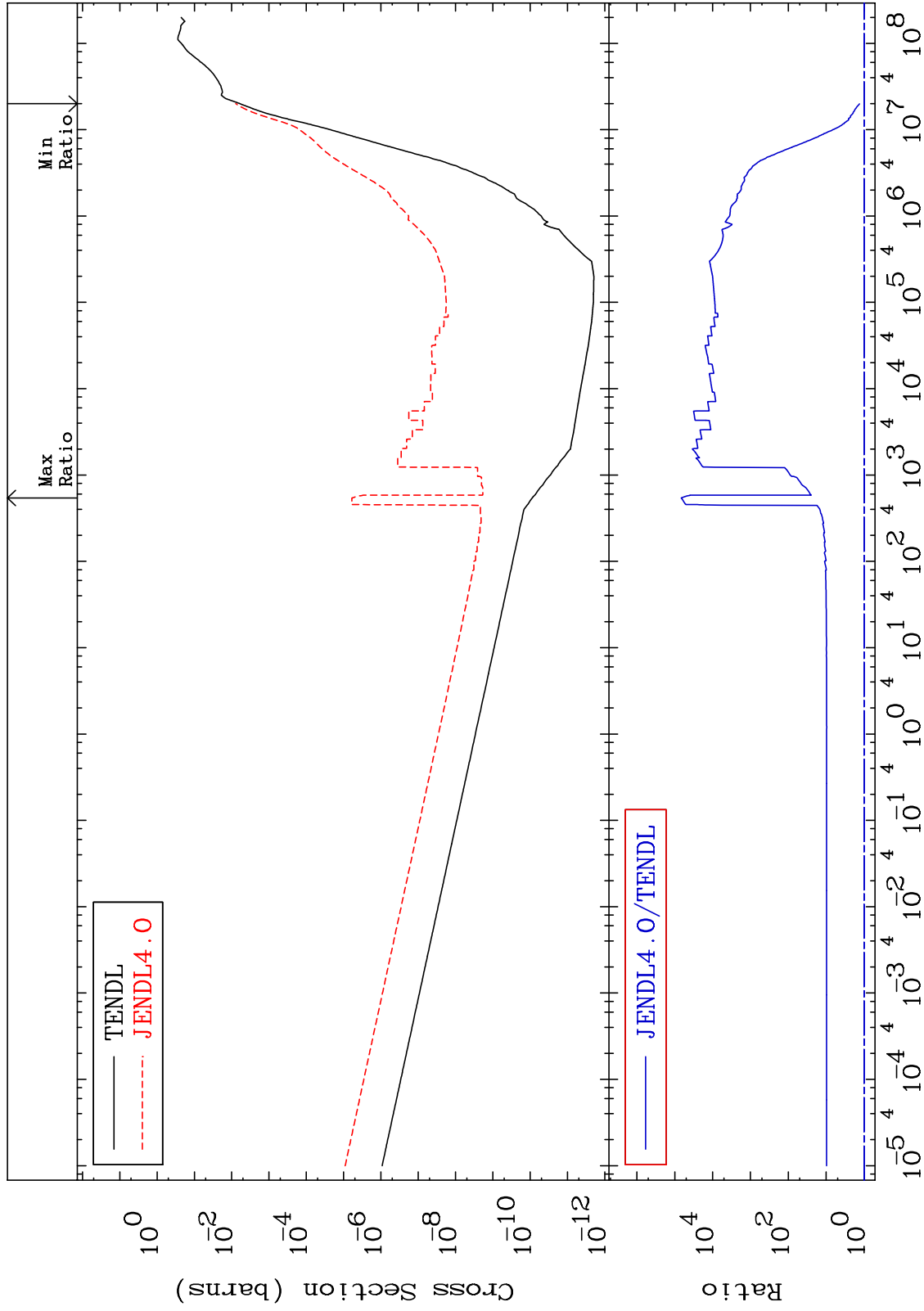


27 82-Pb-204

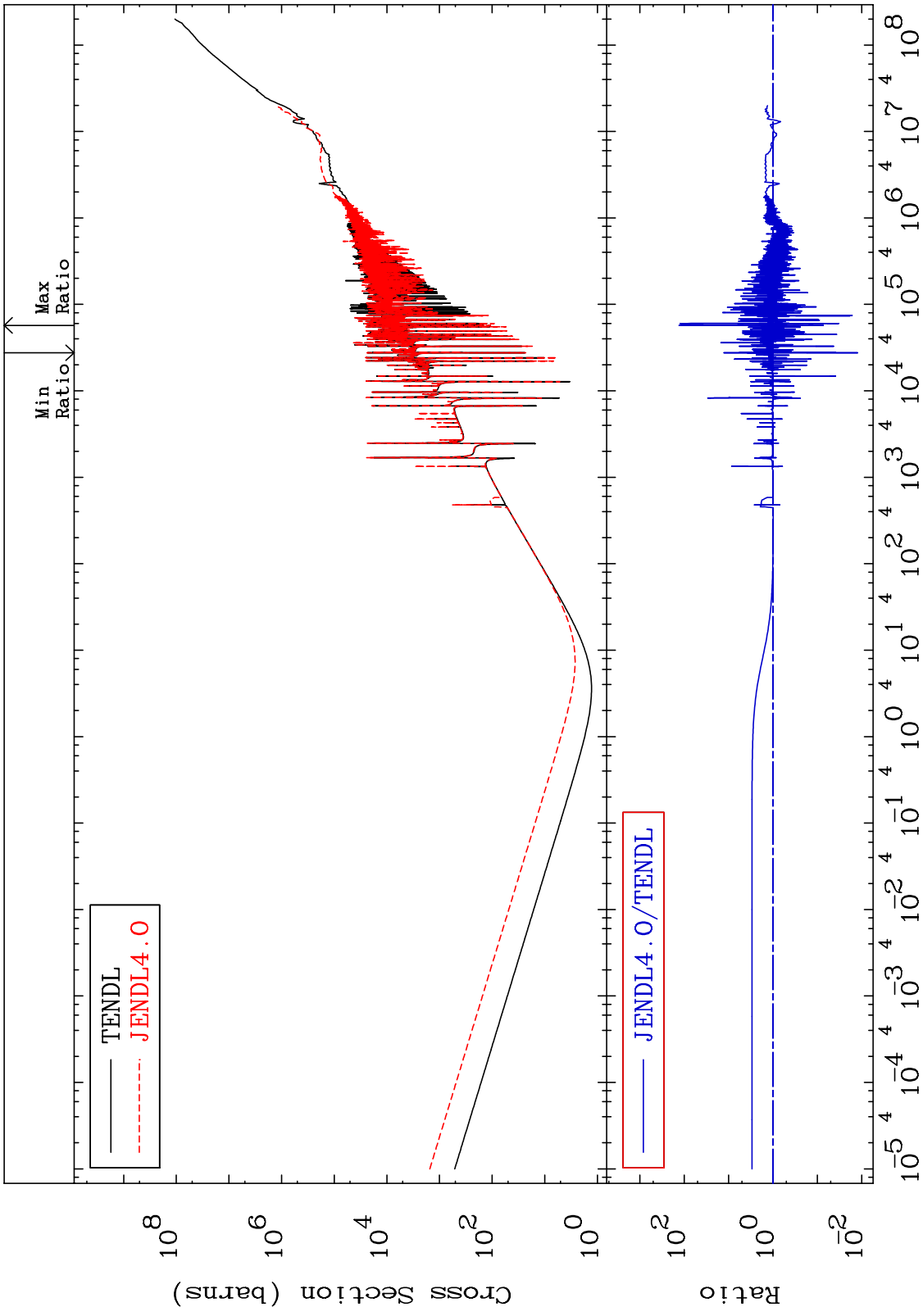
MAT 8225

He-4 Production  
Cross Section

82-Pb-204  
29.68 To 9999. %



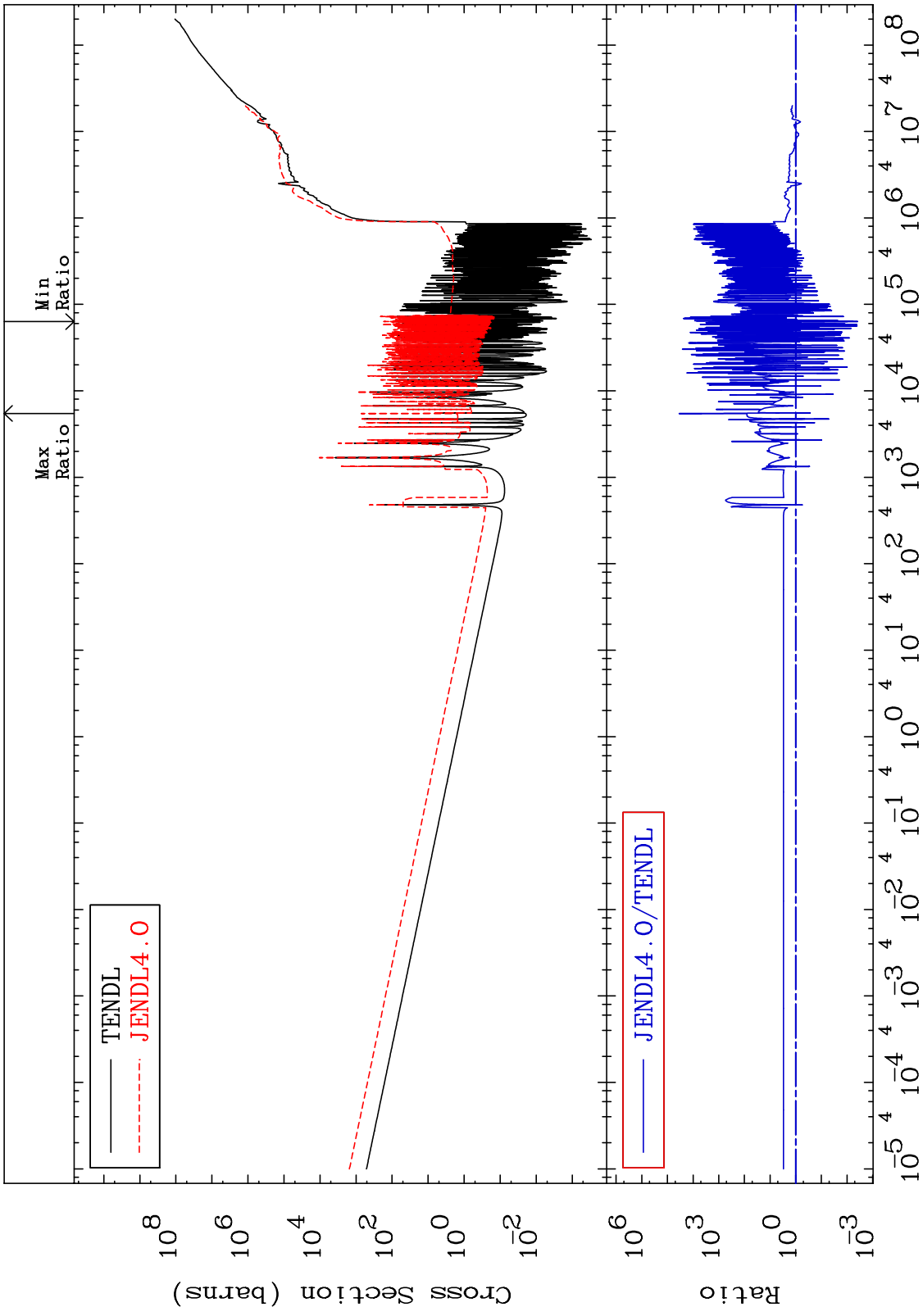
MAT 8225 Kerma total (eV-barns) 82-Pb-204  
 Cross Section -98.77 To 9999. %



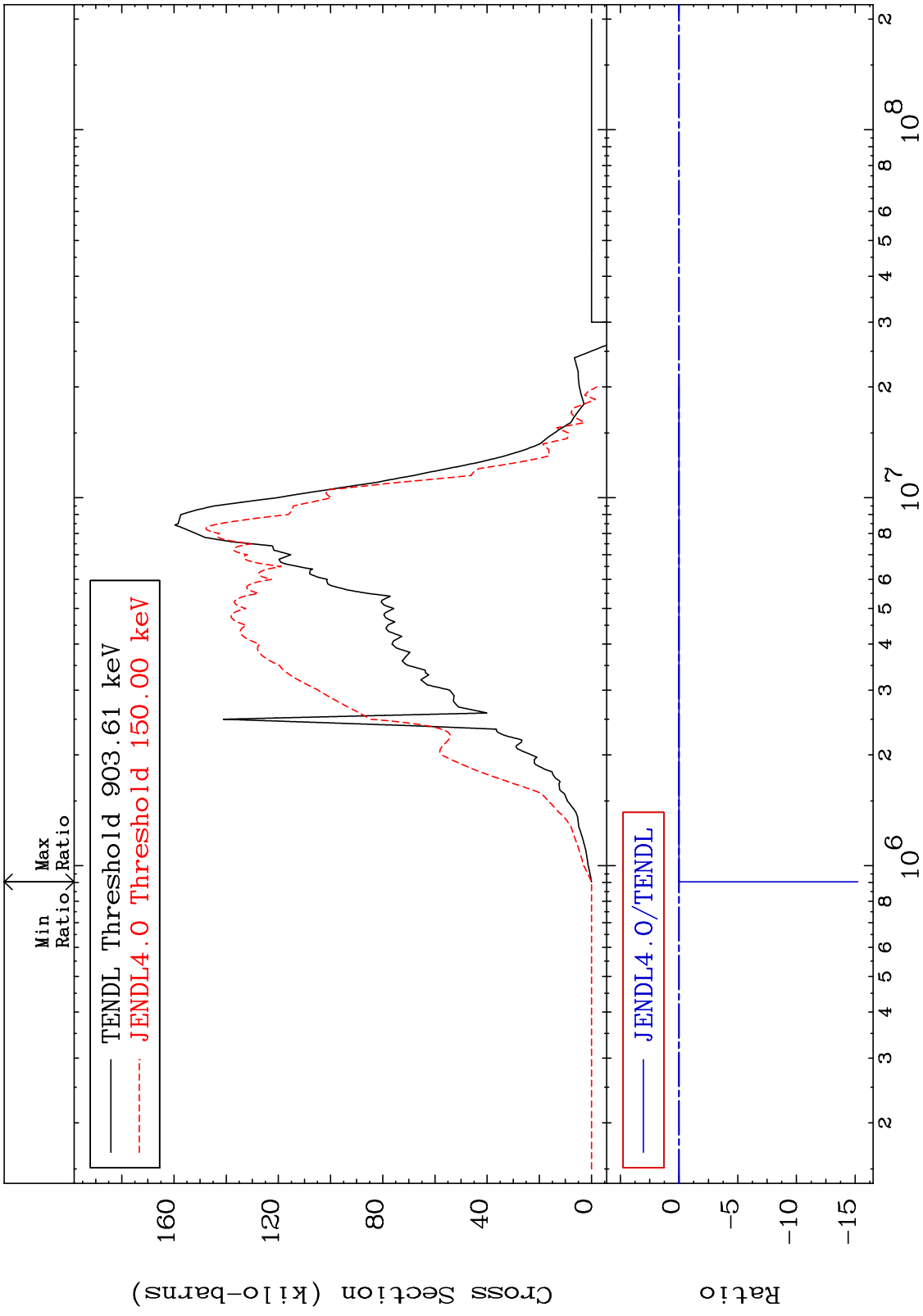
Incident Energy (eV) 82-Pb-204



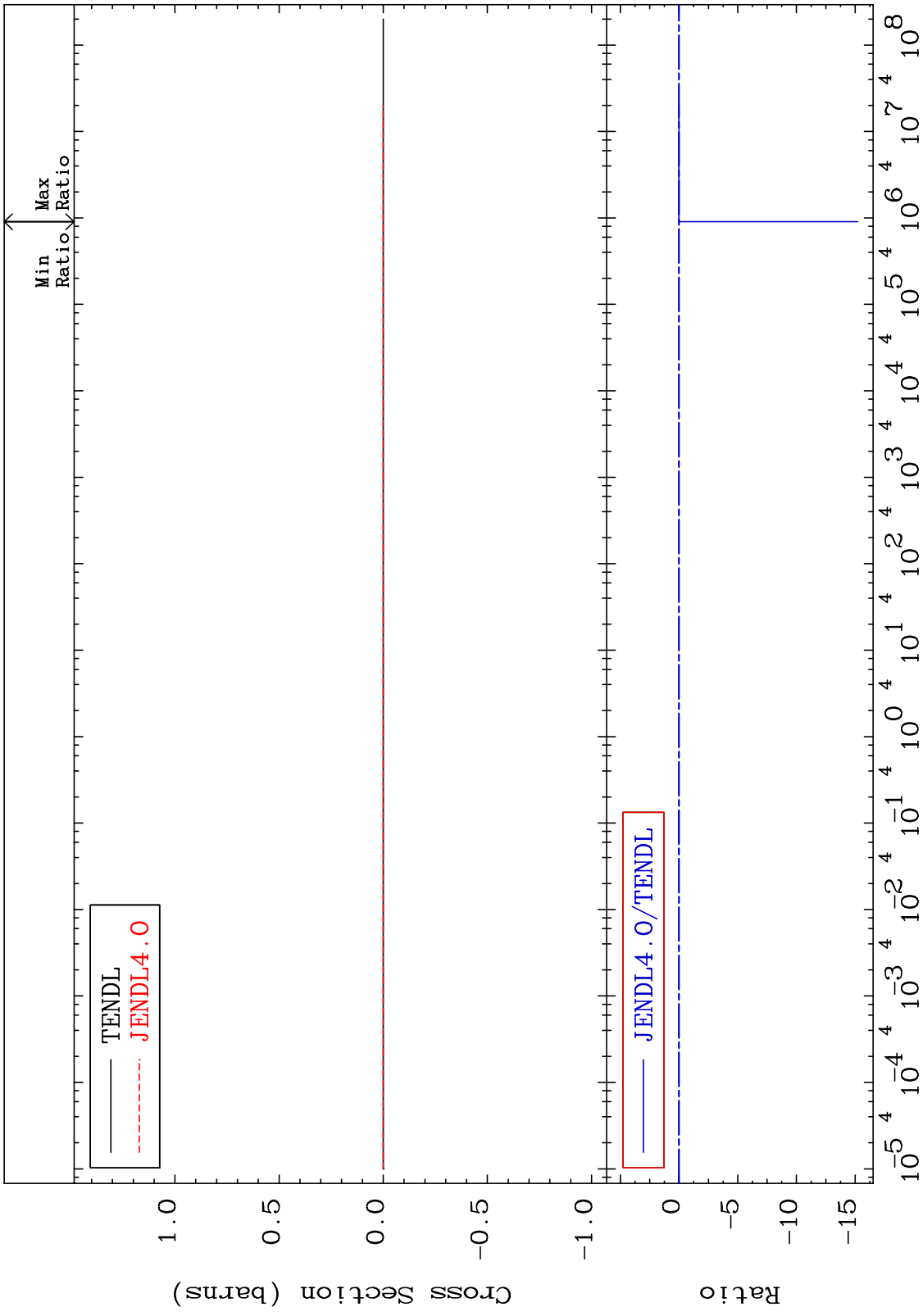
MAT 8225      Kerma non-elastic (all but mt2)      82-Pb-204  
 Cross Section      -99.62 To 9999. %



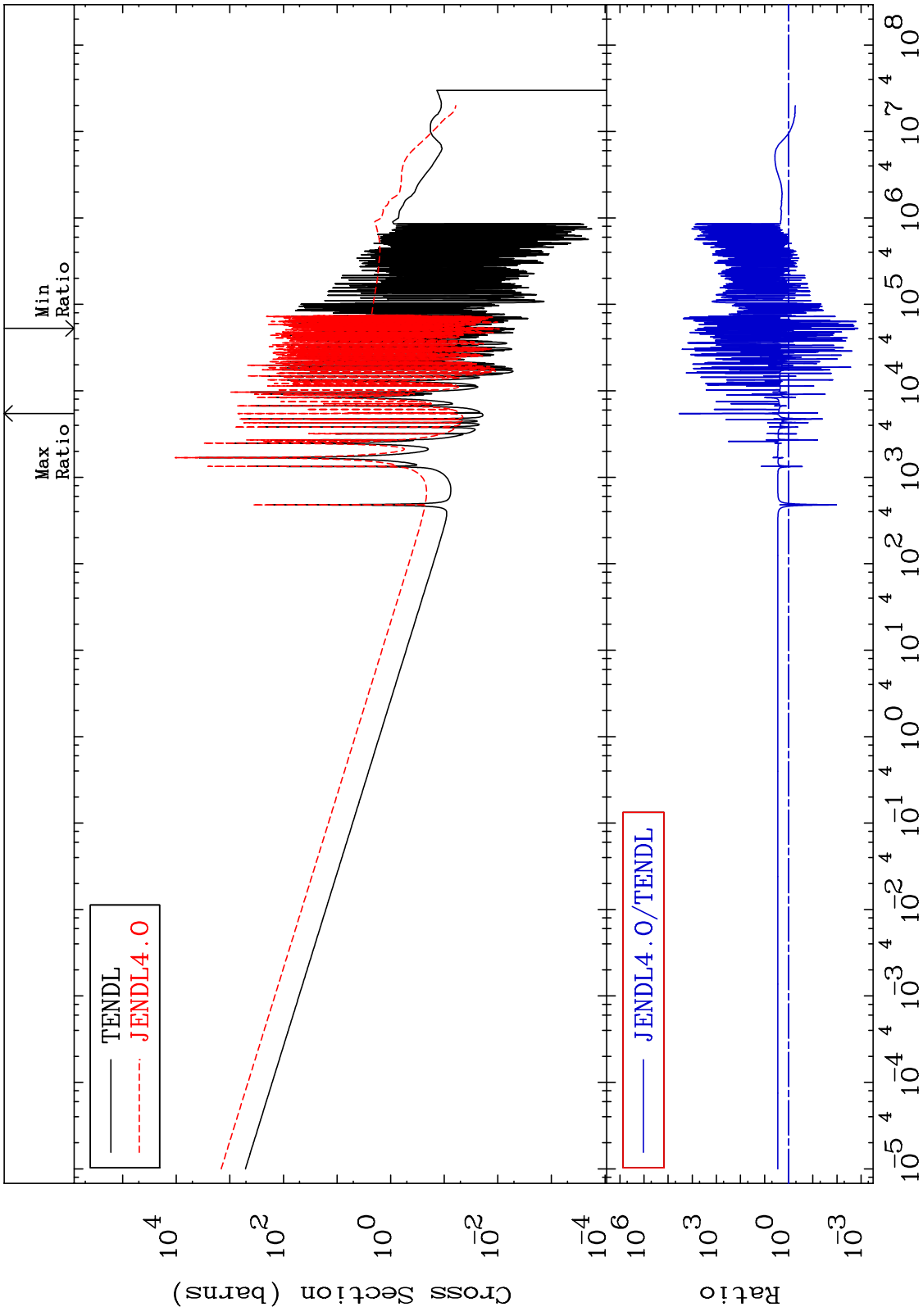




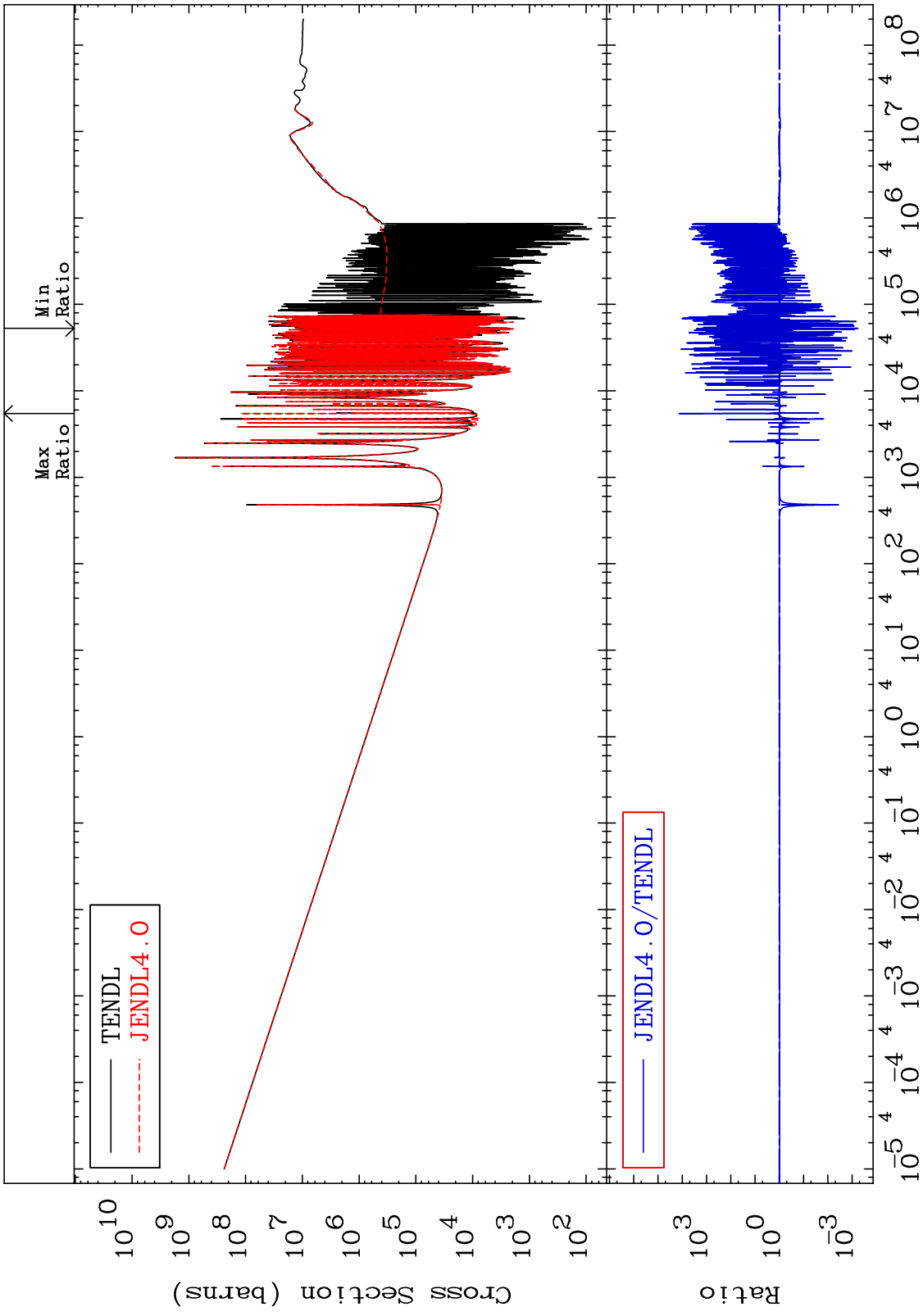
MAT 8225 Kerma fission (mt18 or mt19-20-21-38) 82-Pb-204  
 Cross Section -9999. To 4596. %



MAT 8225      Kerma capture (mt102)      82-Pb-204  
 Cross Section      -99.86 To 9999. %

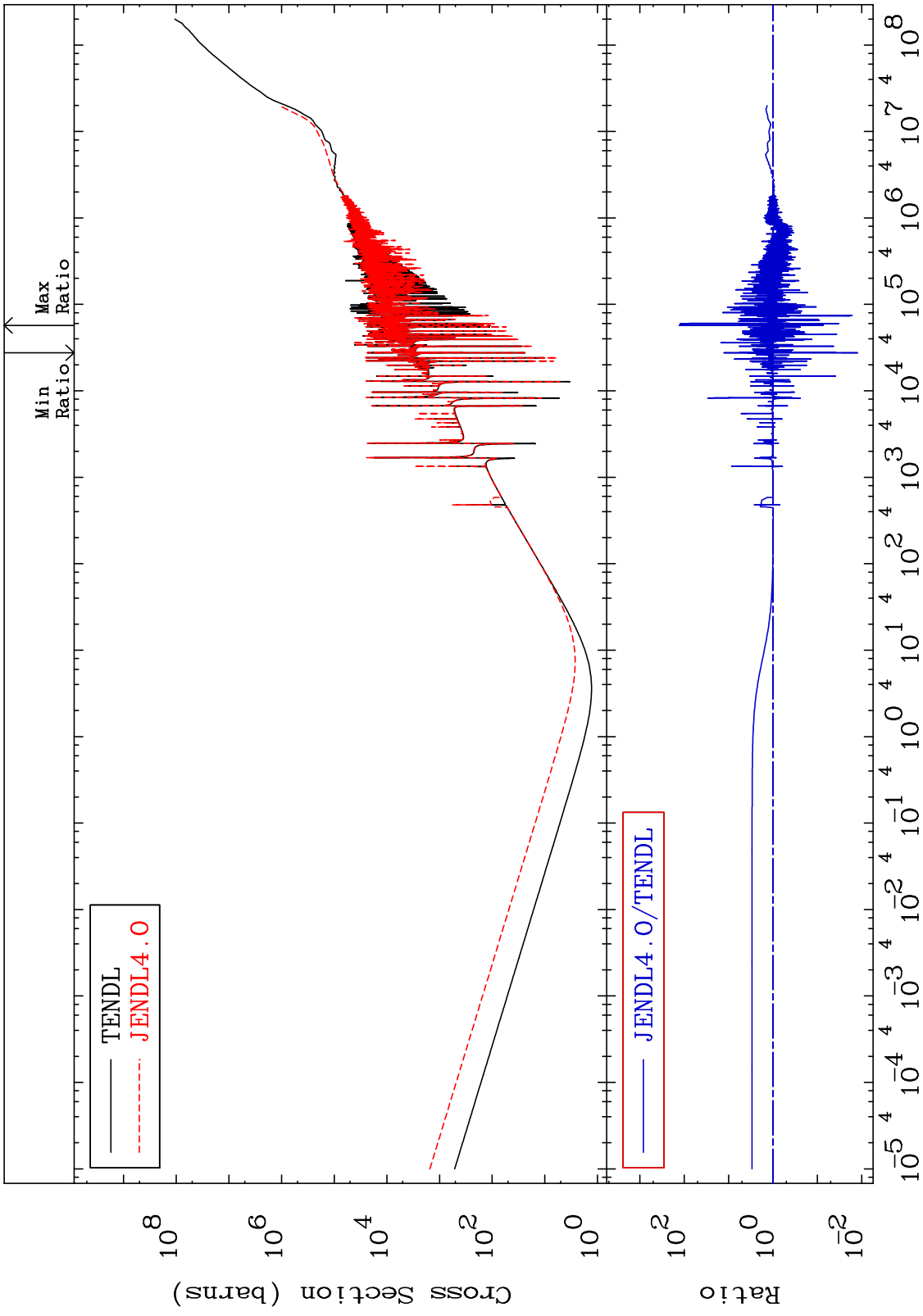


MAT 8225 82-Pb-204  
 Total photon (eV-barns) -99.94 To 9999. %  
 Cross Section

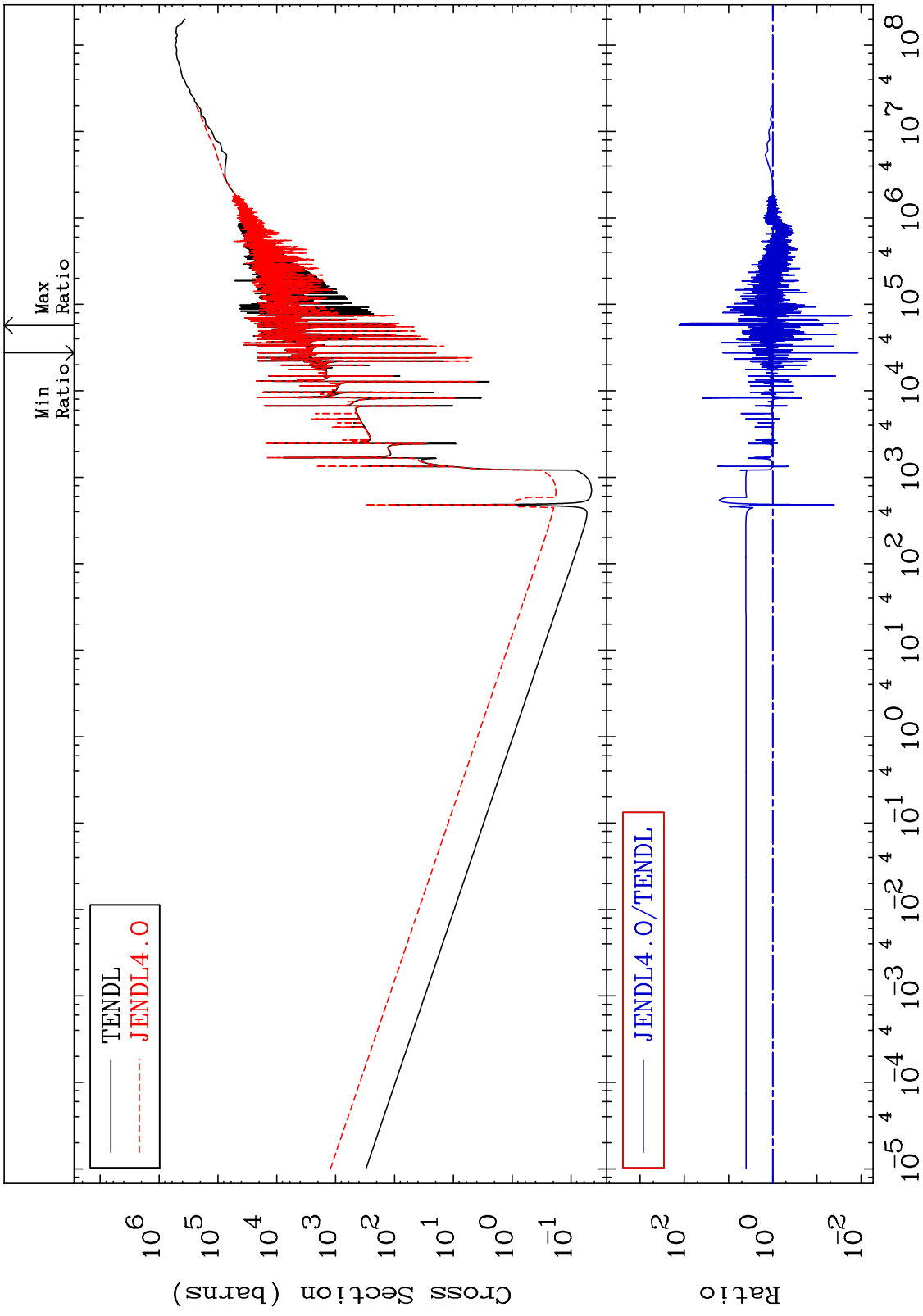


35 82-Pb-204

MAT 8225      Total kinematic kerma (high limit)      82-Pb-204  
 Cross Section      -98.77 To 9999. %

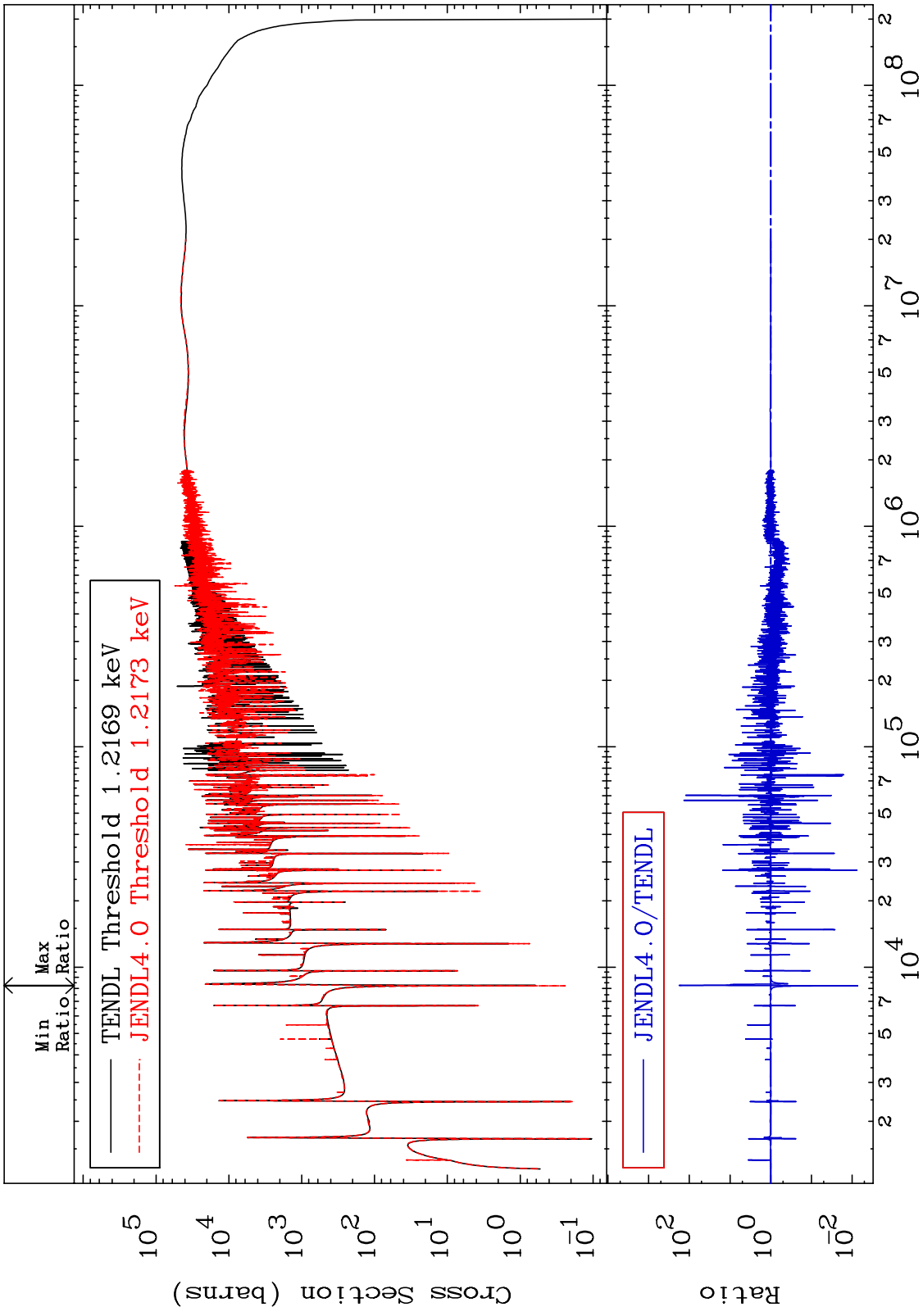


MAT 8225      Dpa total (eV-barns)      82-Pb-204  
 Cross Section      -98.82 To 9999. %

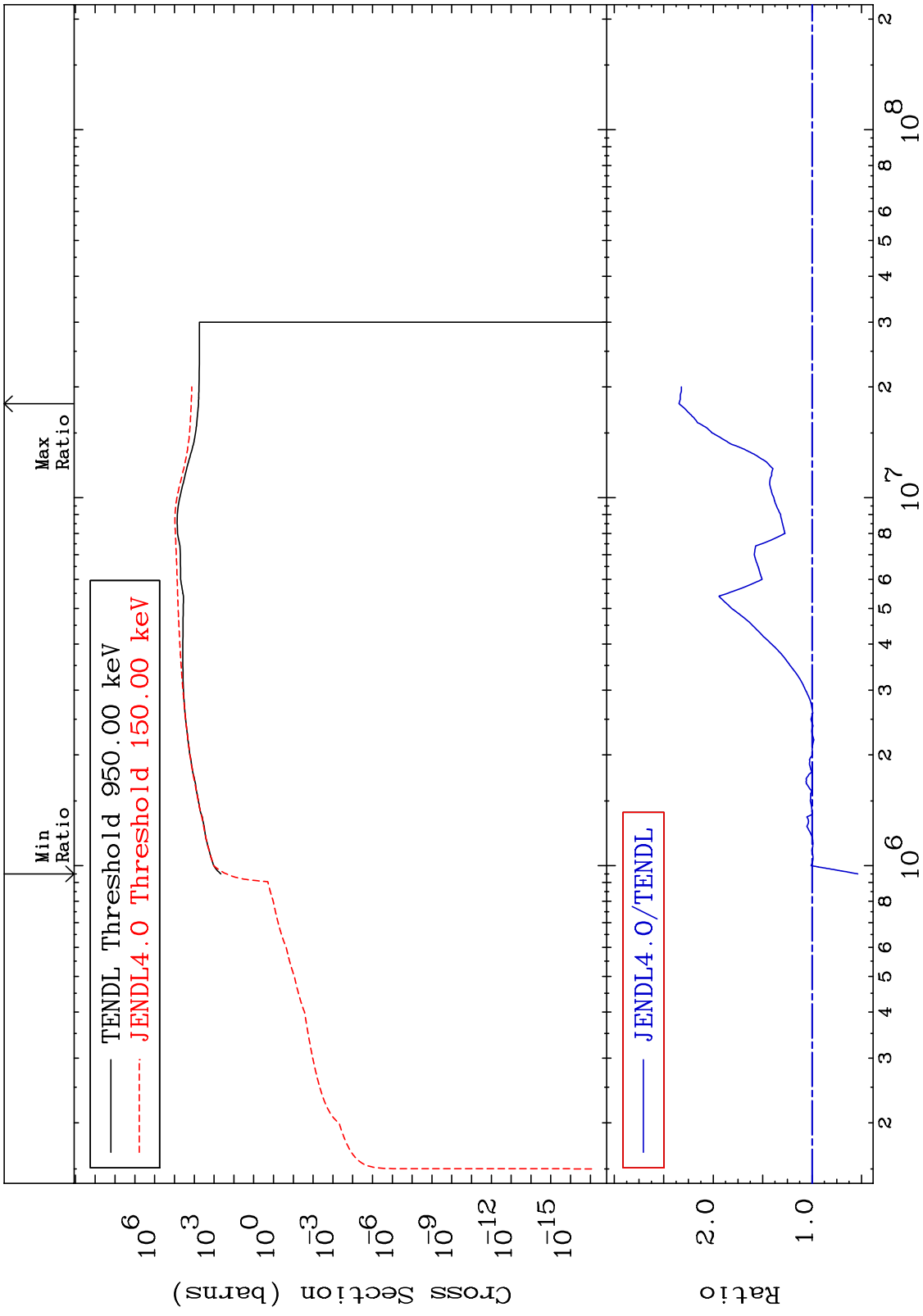


37      Incident Energy (eV)      82-Pb-204

MAT 8225      Dpa elastic (mt2)      82-Pb-204  
 Cross Section      -99.27 To 9999. %

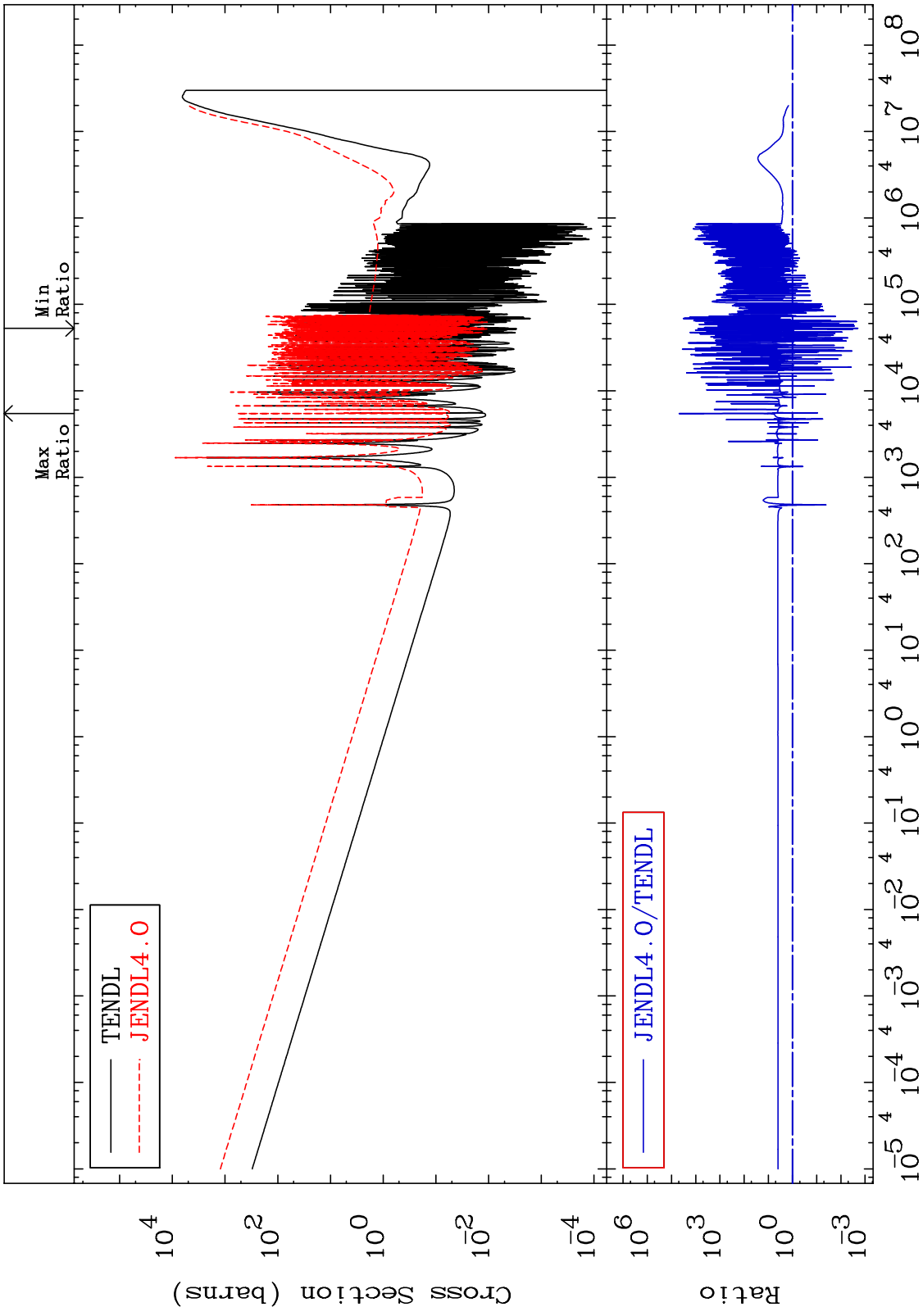


MAT 8225      Dpa inelastic (mt51-91)      82-Pb-204  
 Cross Section      -46.33 To 134.5 %



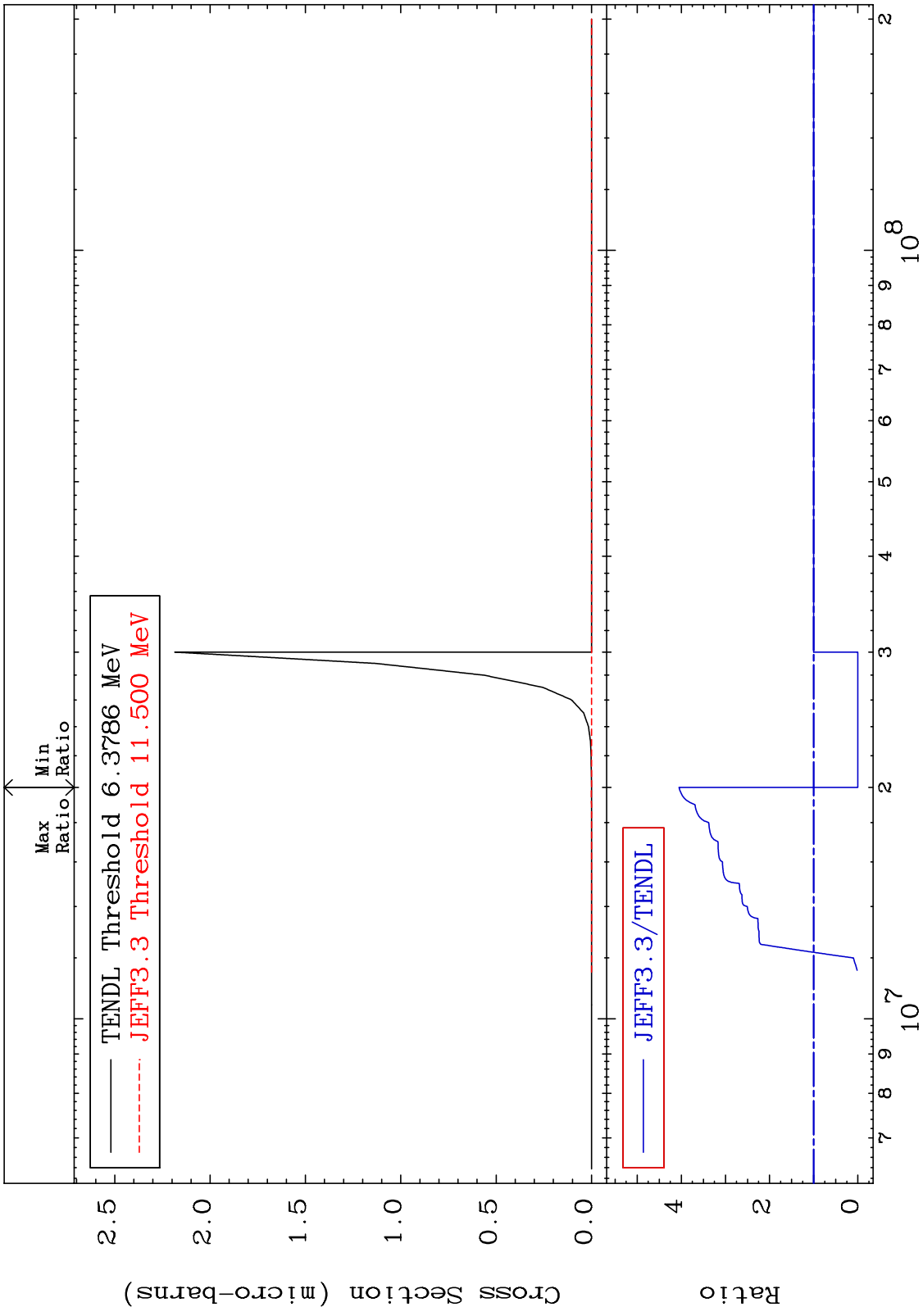


MAT 8225      Dpa disappearance (mt102 -120)      82-Pb-204  
 Cross Section      -99.80 To 9999. %



40      Incident Energy (eV)      82-Pb-204

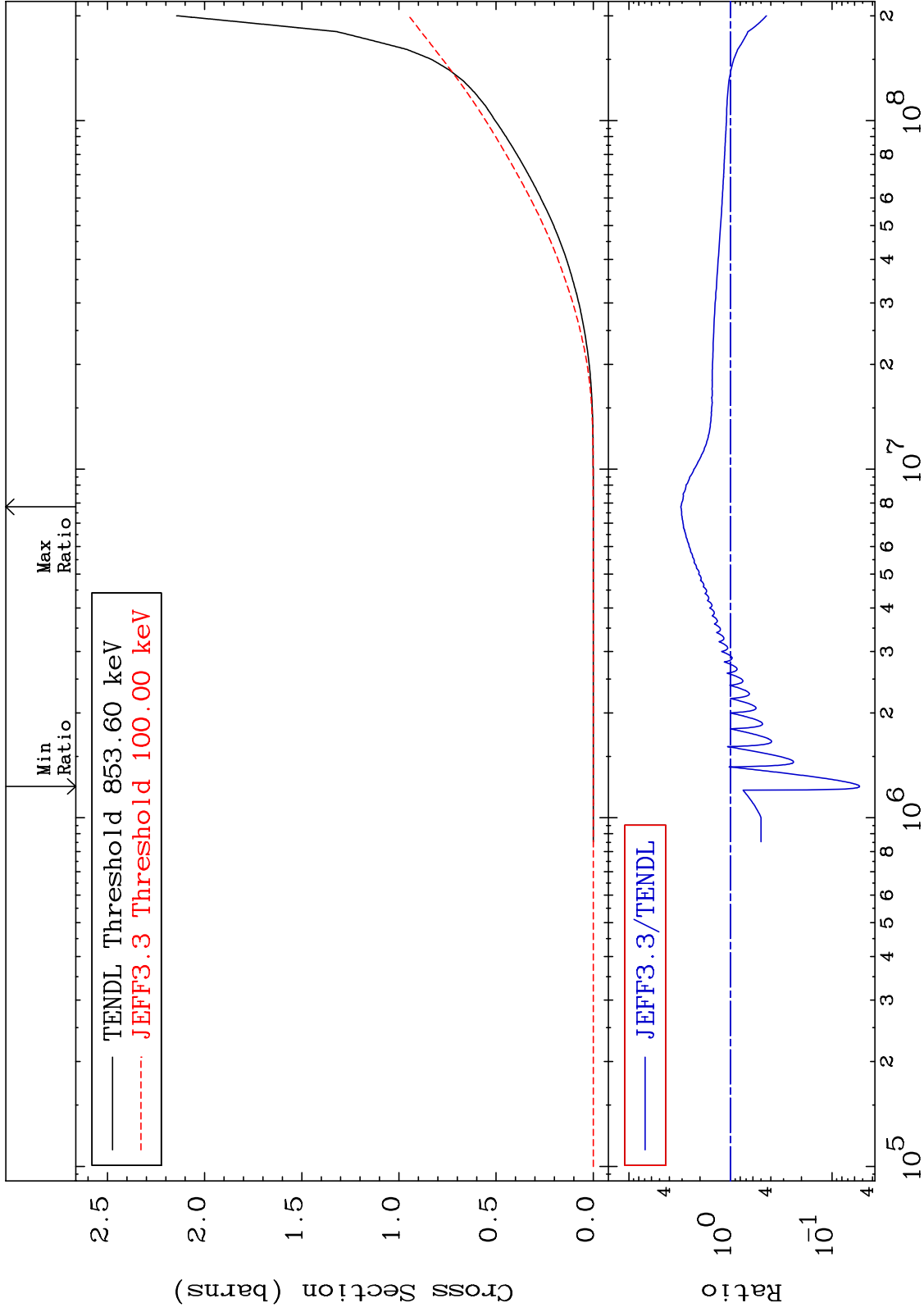
MAT 8225 (n,2p) Cross Section 82-Pb-204 -100.0 To 305.1 %



MAT 8225

Hydrogen Production  
Cross Section

82-Pb-204  
-94.66 To 208.4 %

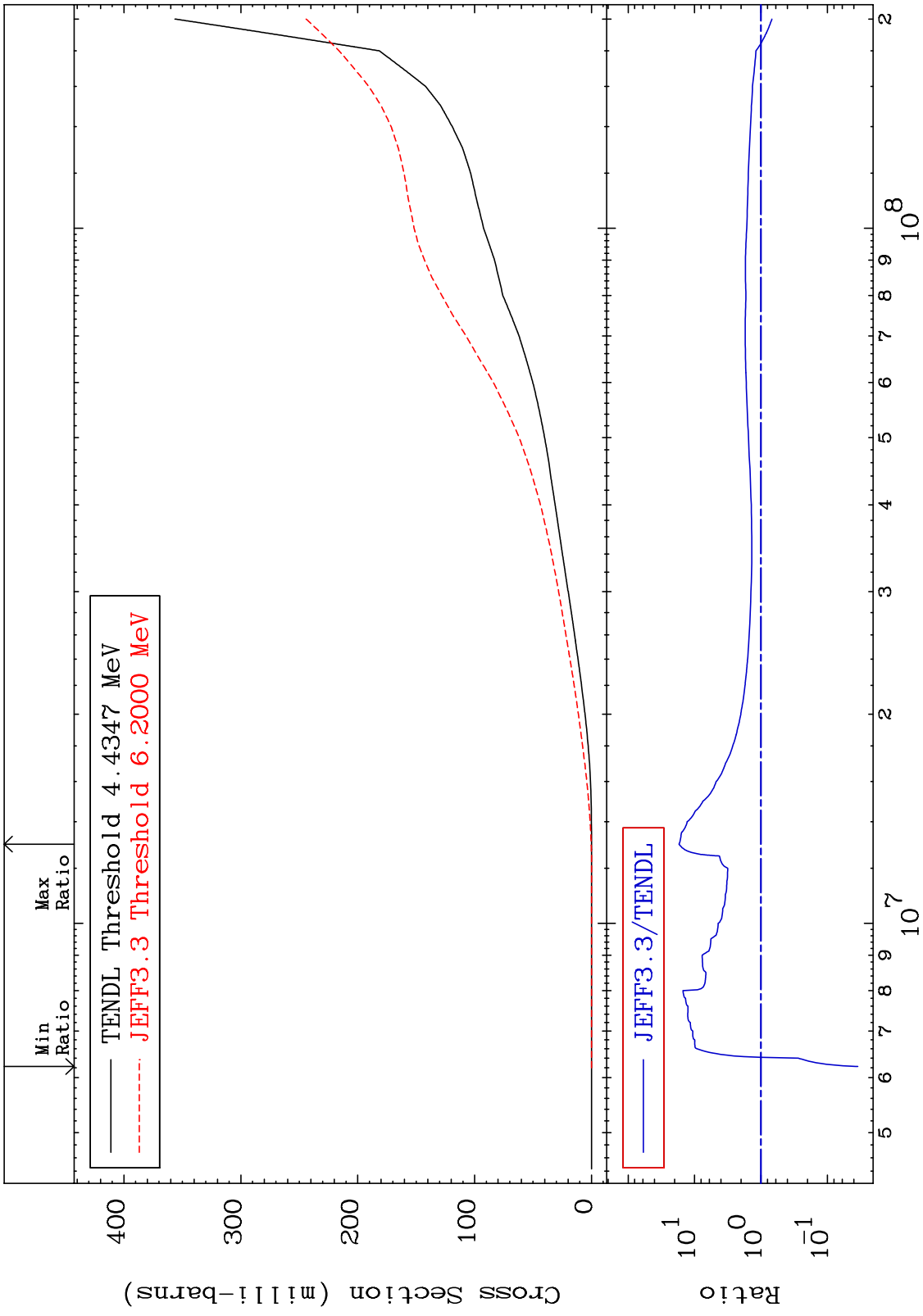


42

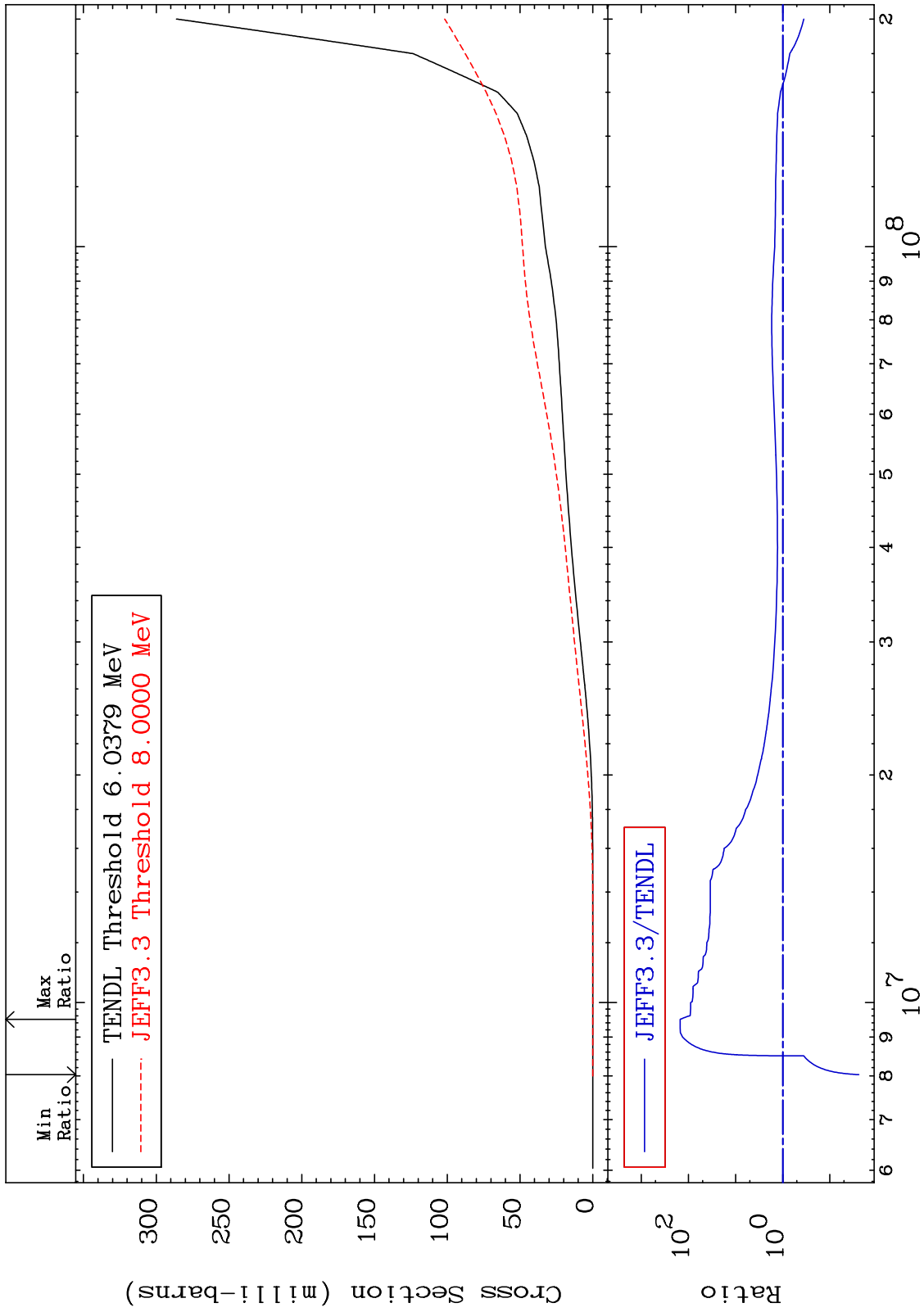
Incident Energy (eV)

82-Pb-204

MAT 8225 Deuterium Production Cross Section 82-Pb-204 -96.51 To 1614. %



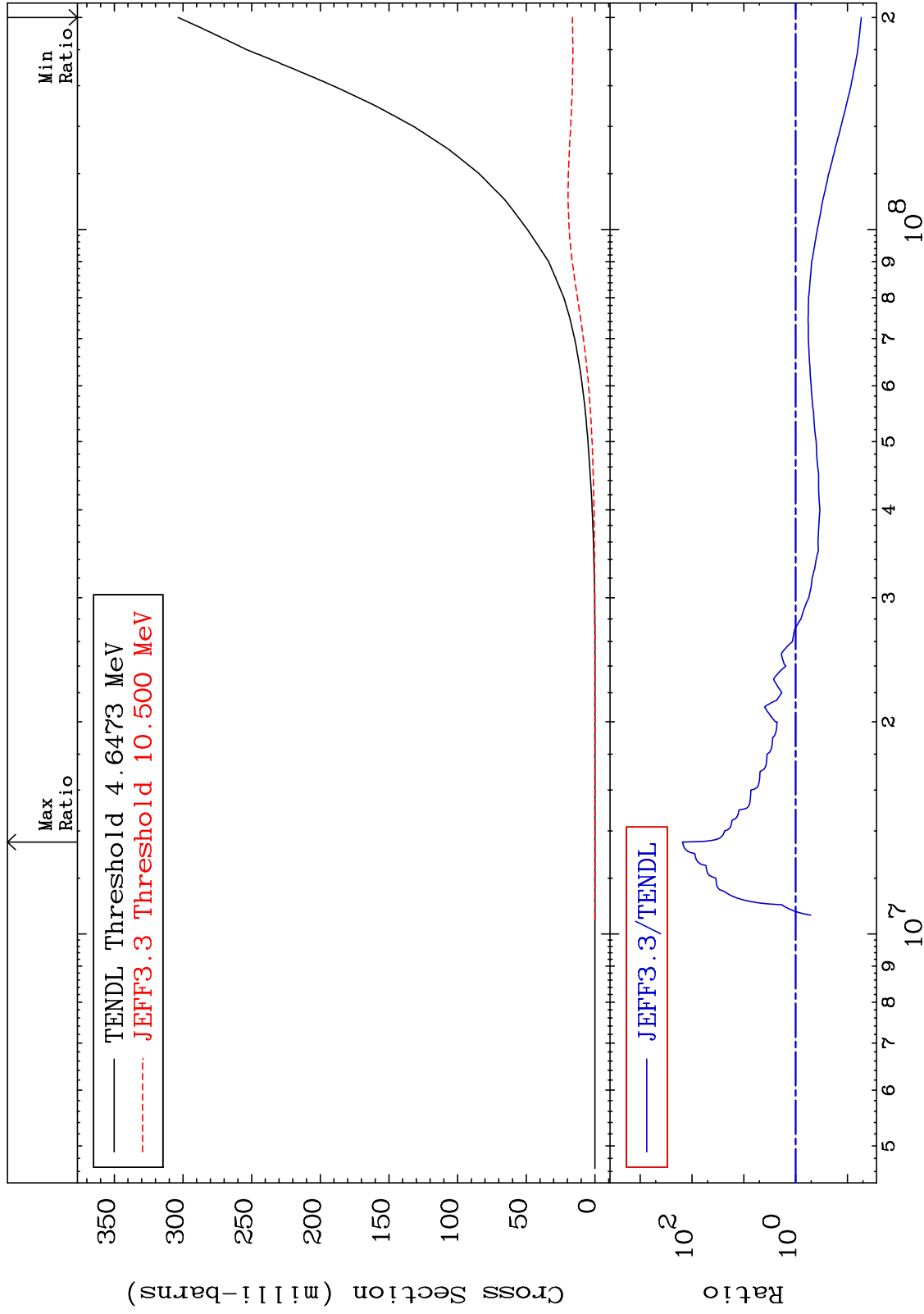
MAT 8225 Tritium Production Cross Section 82-Pb-204 -97.58 To 9999. %



MAT 8225

He-3 Production  
Cross Section

82-Pb-204  
-94.59 To 9999. %



45

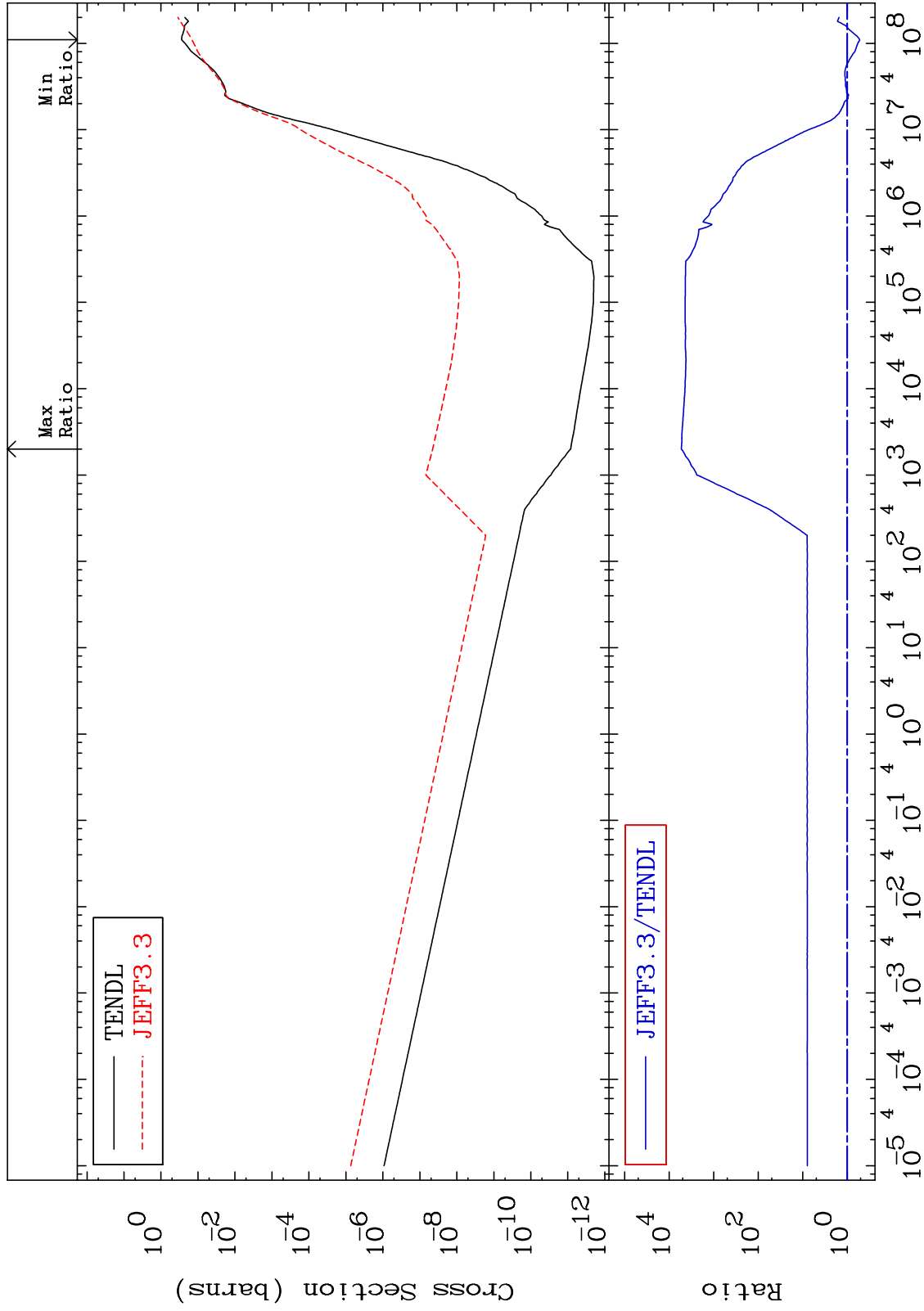
Incident Energy (eV)

82-Pb-204

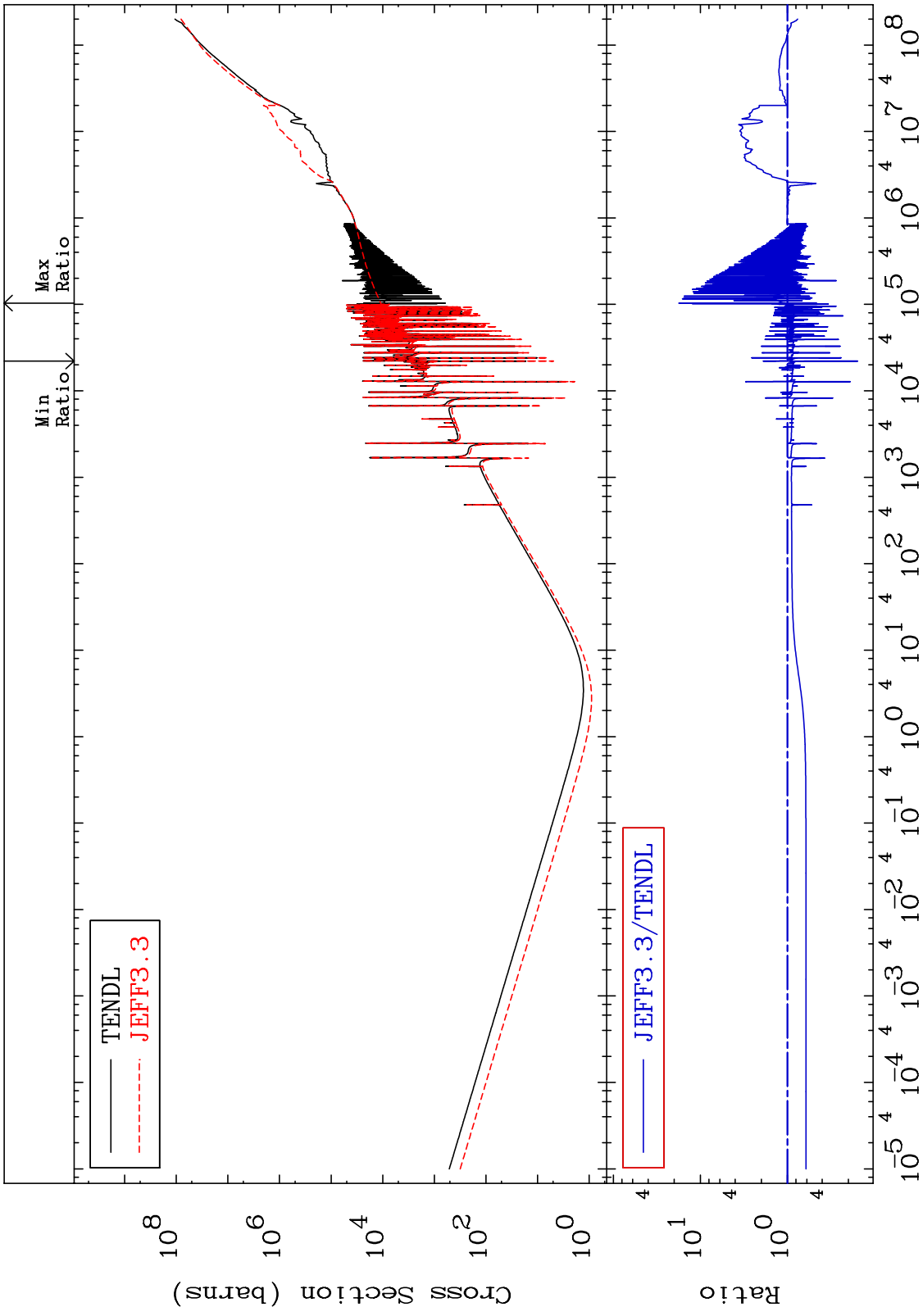
MAT 8225

He-4 Production  
Cross Section

82-Pb-204  
-47.55 To 9999. %



MAT 8225      Kerma total (eV-barns)  
 Cross Section      82-Pb-204  
 -84.45 To 1662. %

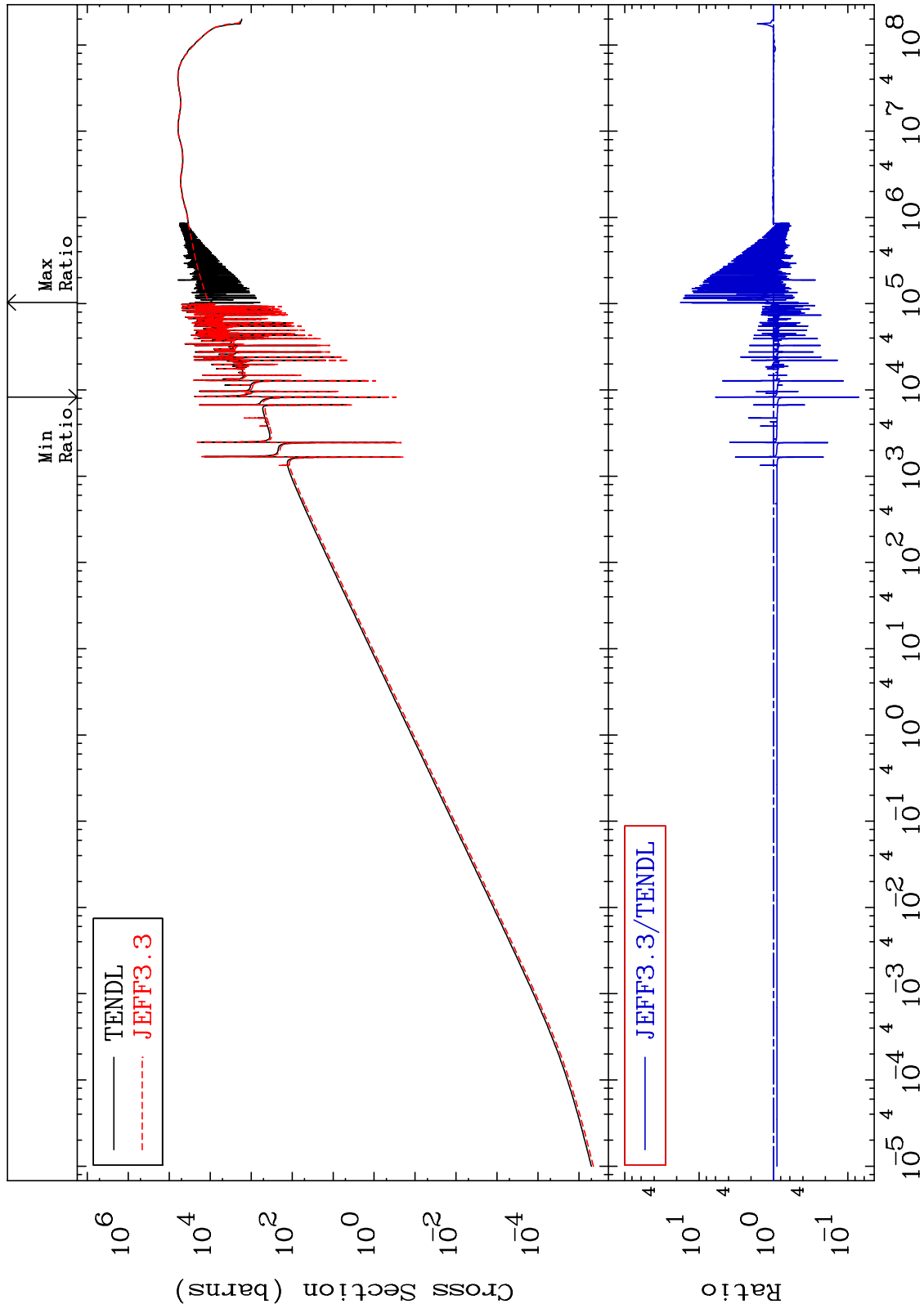




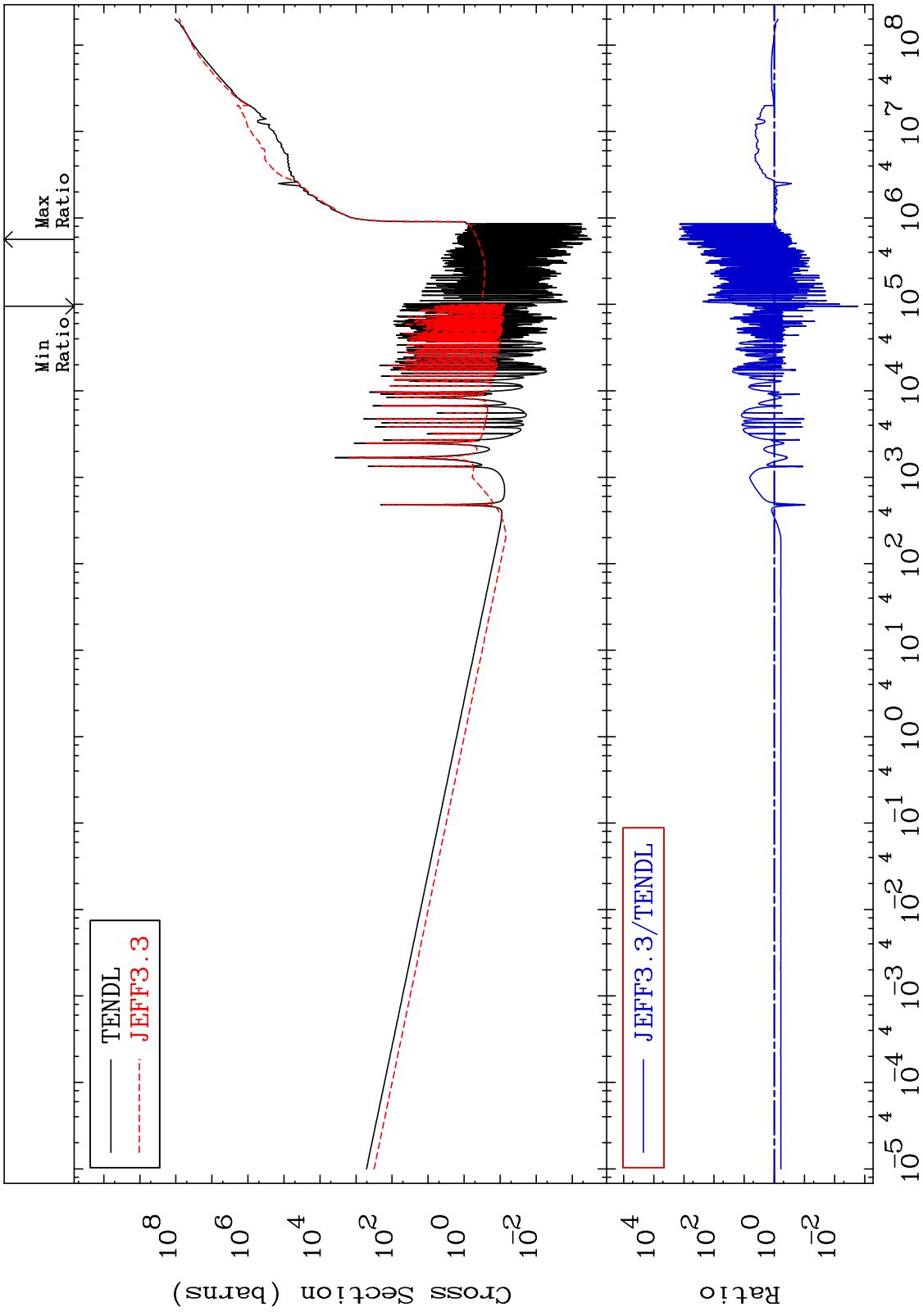
MAT 8225

Kerma elastic  
Cross Section

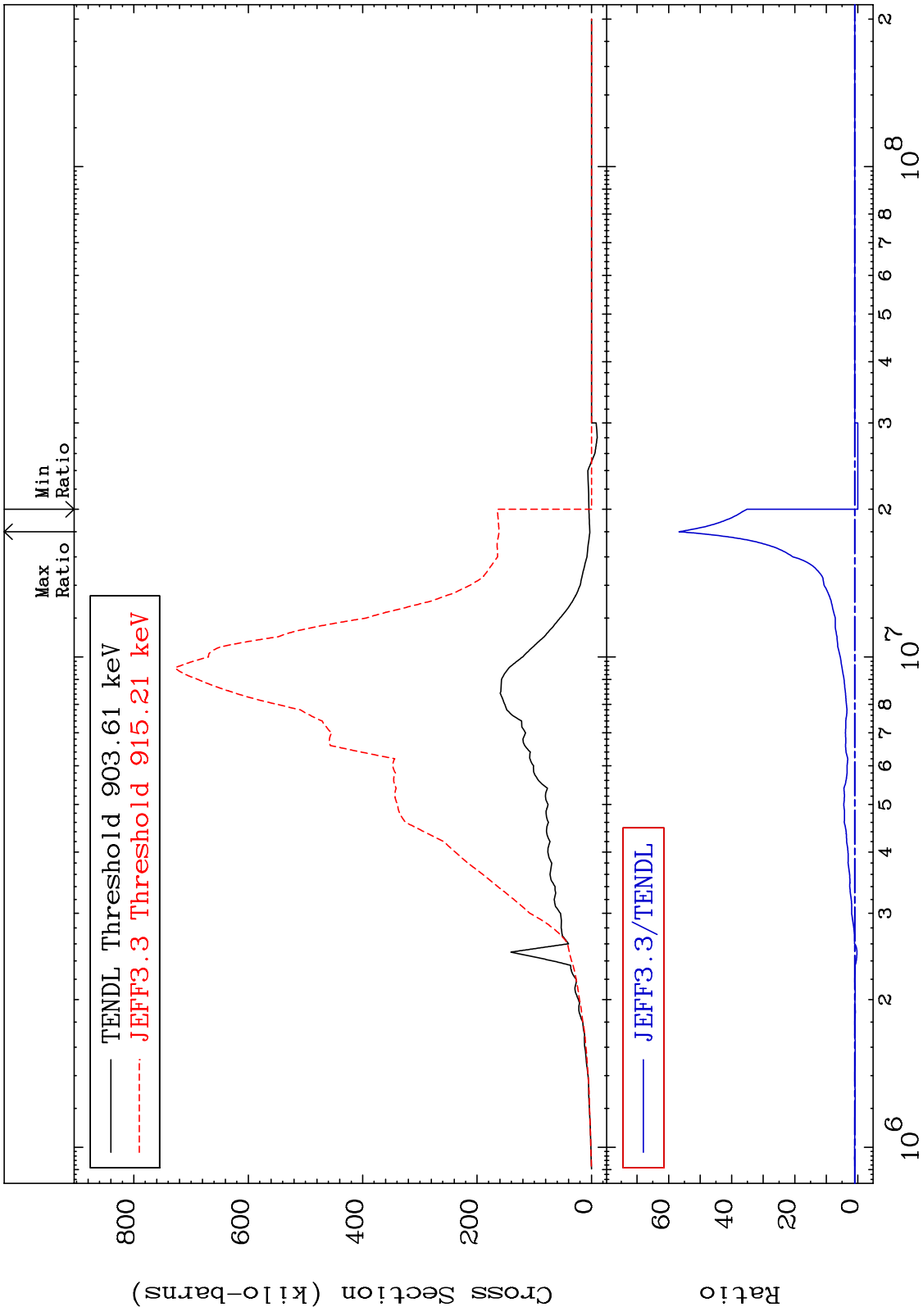
82-Pb-204  
-92.94 To 1667. %



MAT 8225      Kerma non-elastic (all but mt2)      82-Pb-204  
 Cross Section      -99.83 To 9999. %



MAT 8225      Kerma inelastic (mt51-91)      82-Pb-204  
-100.0 To 5569. %

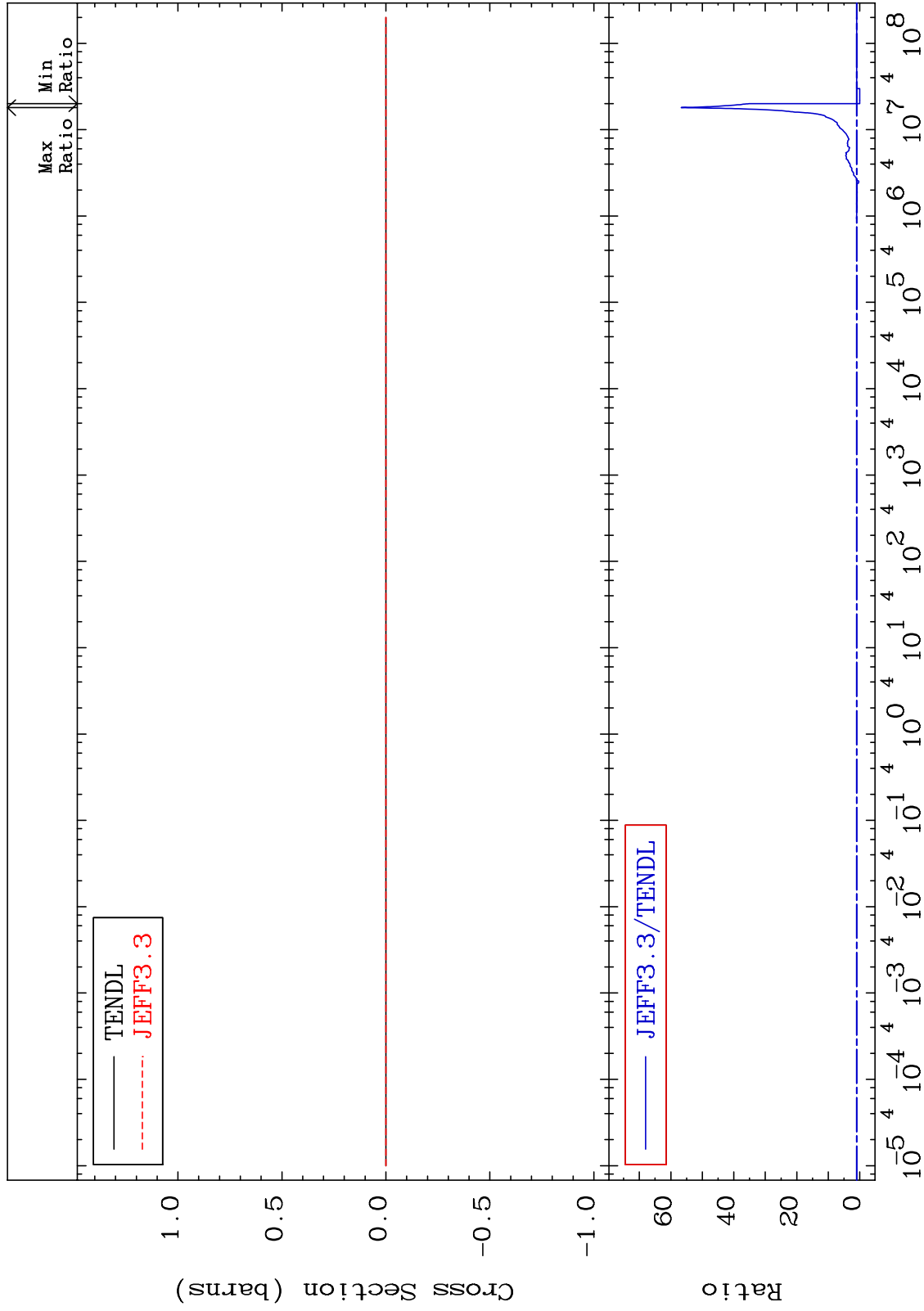


50      Incident Energy (eV)      82-Pb-204

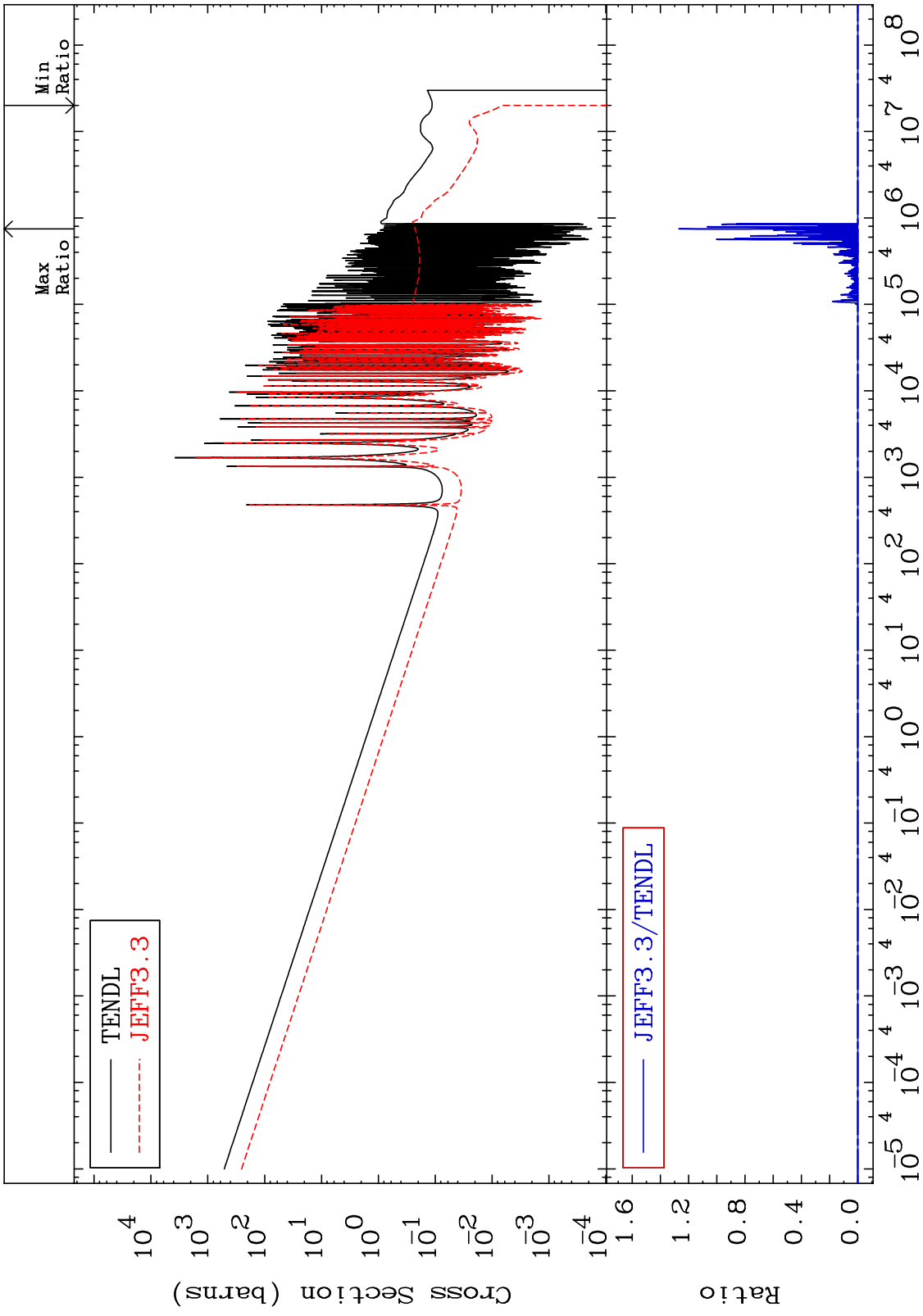
MAT 8225

Kerma fission (mt18 or mt19-20-21-38)  
Cross Section

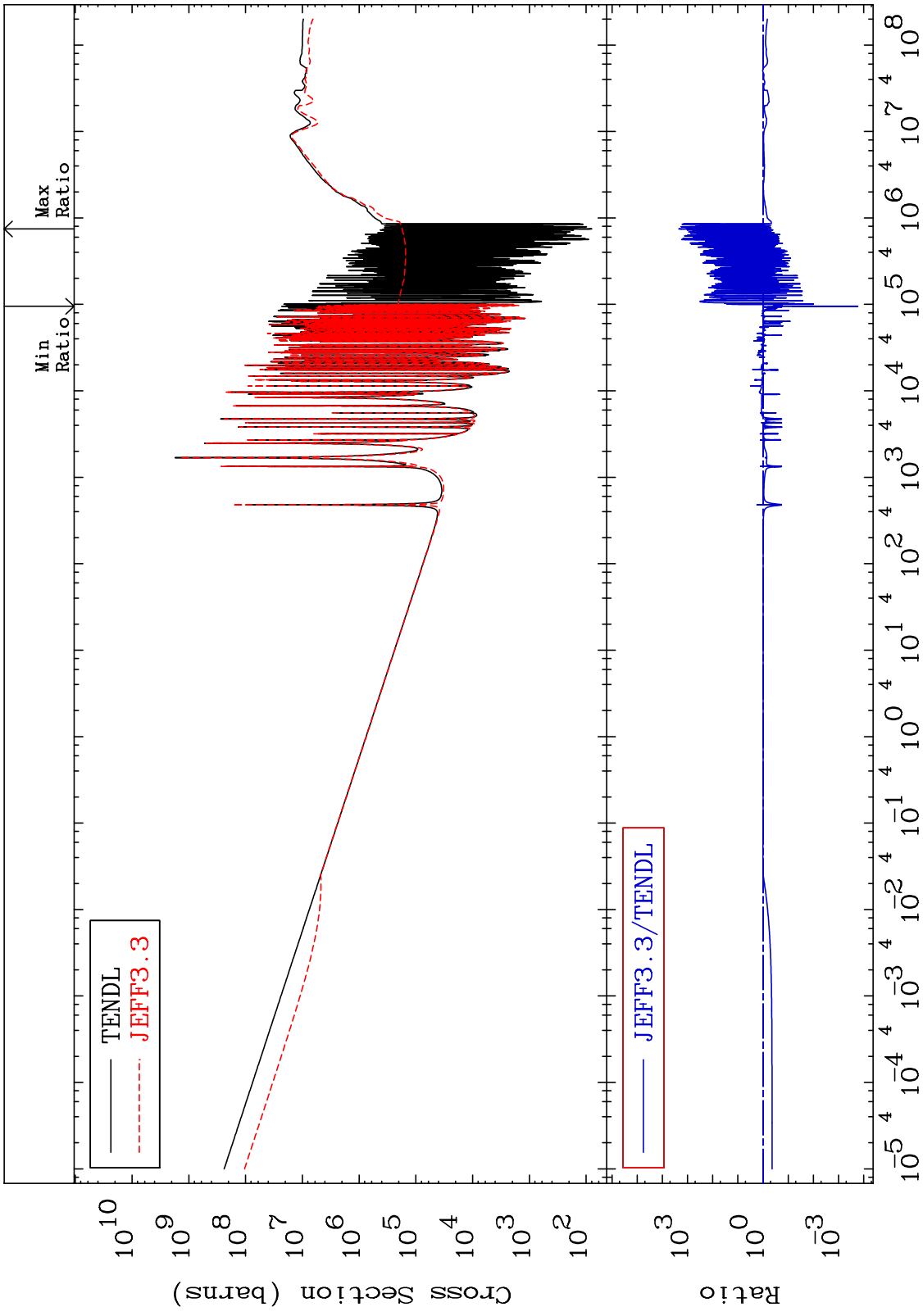
82-Pb-204  
-100.0 To 5569. %



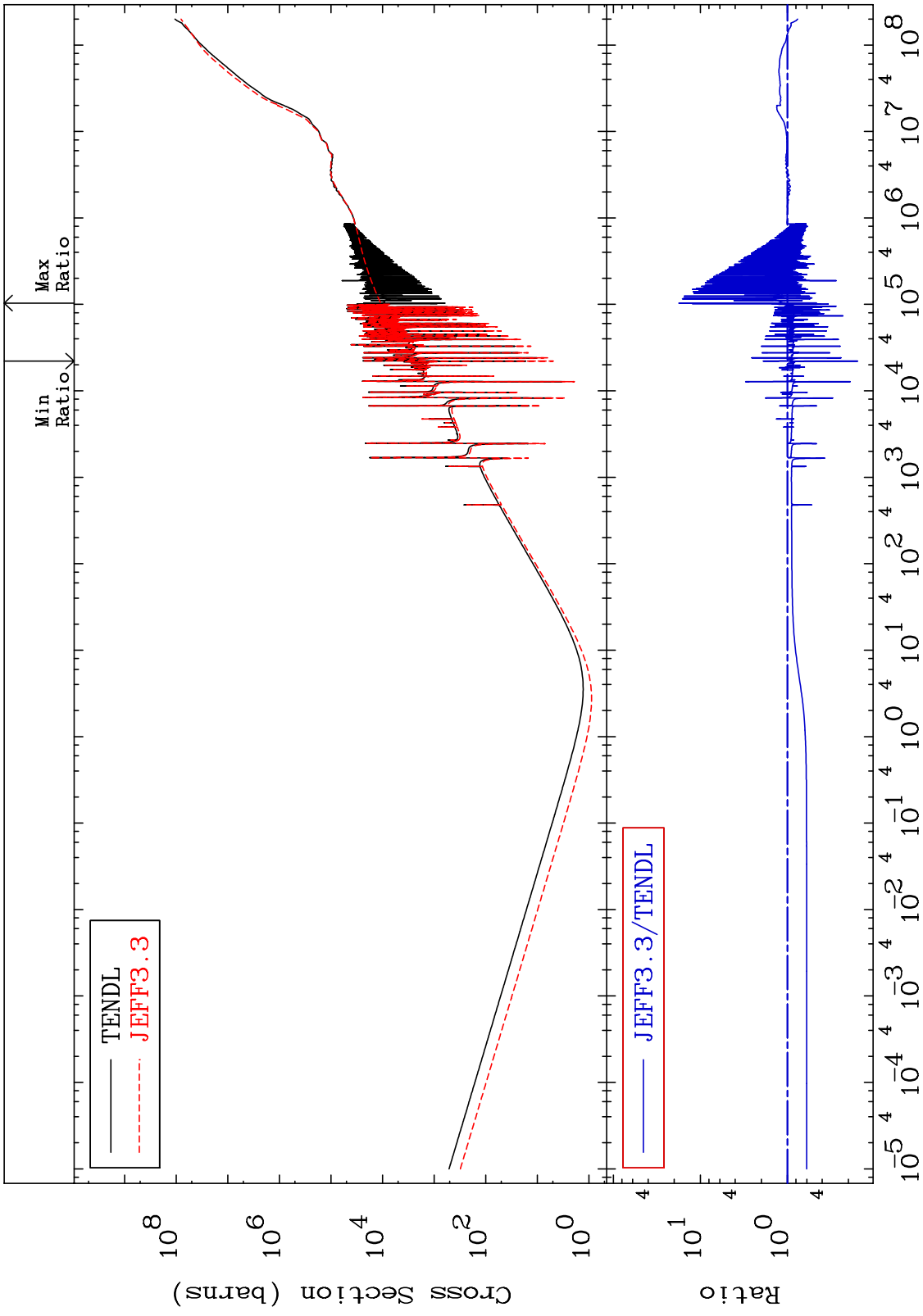
MAT 8225      Kerma capture (mt102)      82-Pb-204  
Cross Section      -100.0 To 9999. %



MAT 8225 82-Pb-204  
 Total photon (eV-barns) -99.98 To 9999. %  
 Cross Section



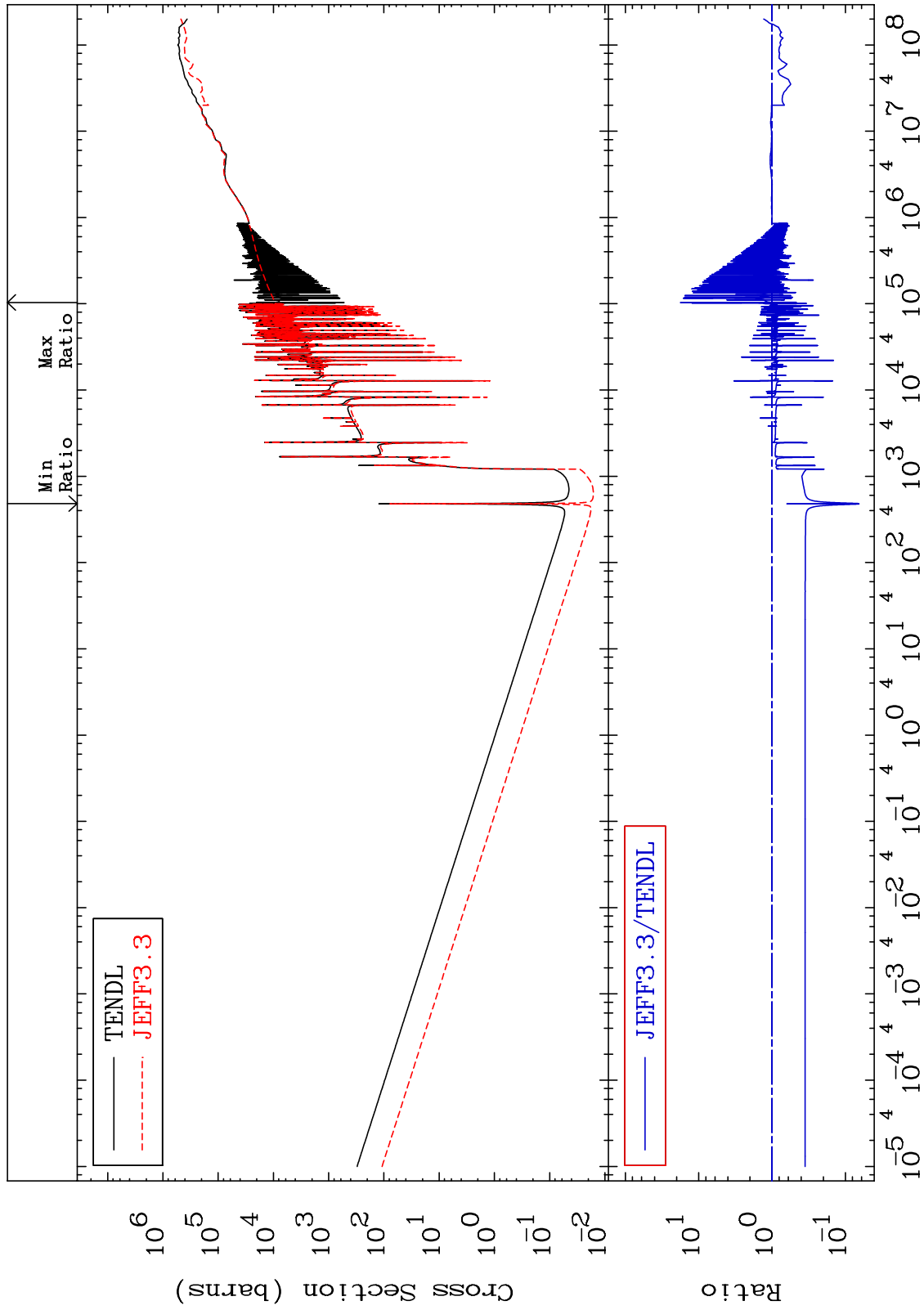
MAT 8225      Total kinematic kerma (high limit)      82-Pb-204  
 Cross Section      -84.45 To 1662. %



MAT 8225

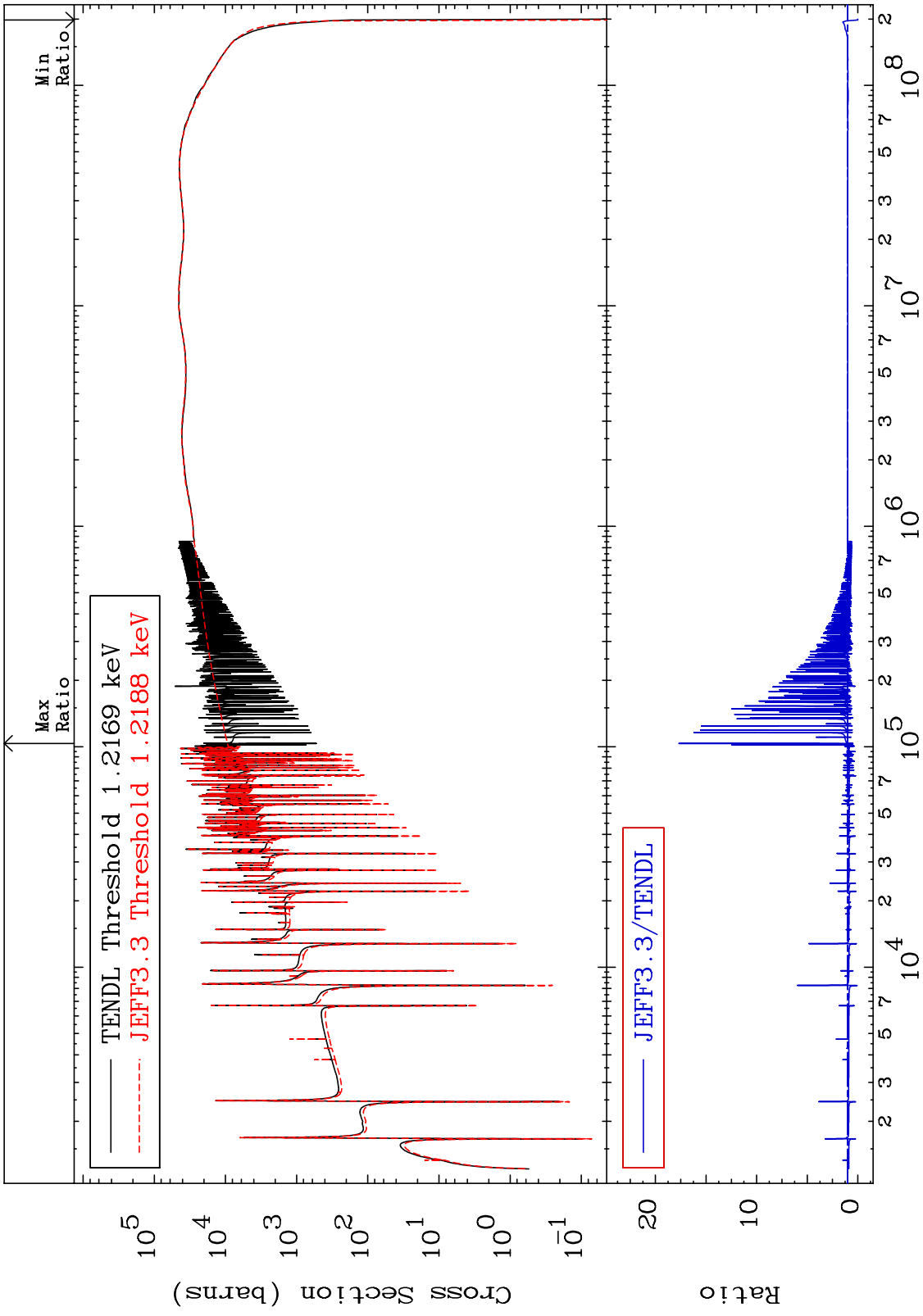
Dpa total (eV-barns)  
Cross Section

82-Pb-204  
-93.48 To 1664. %



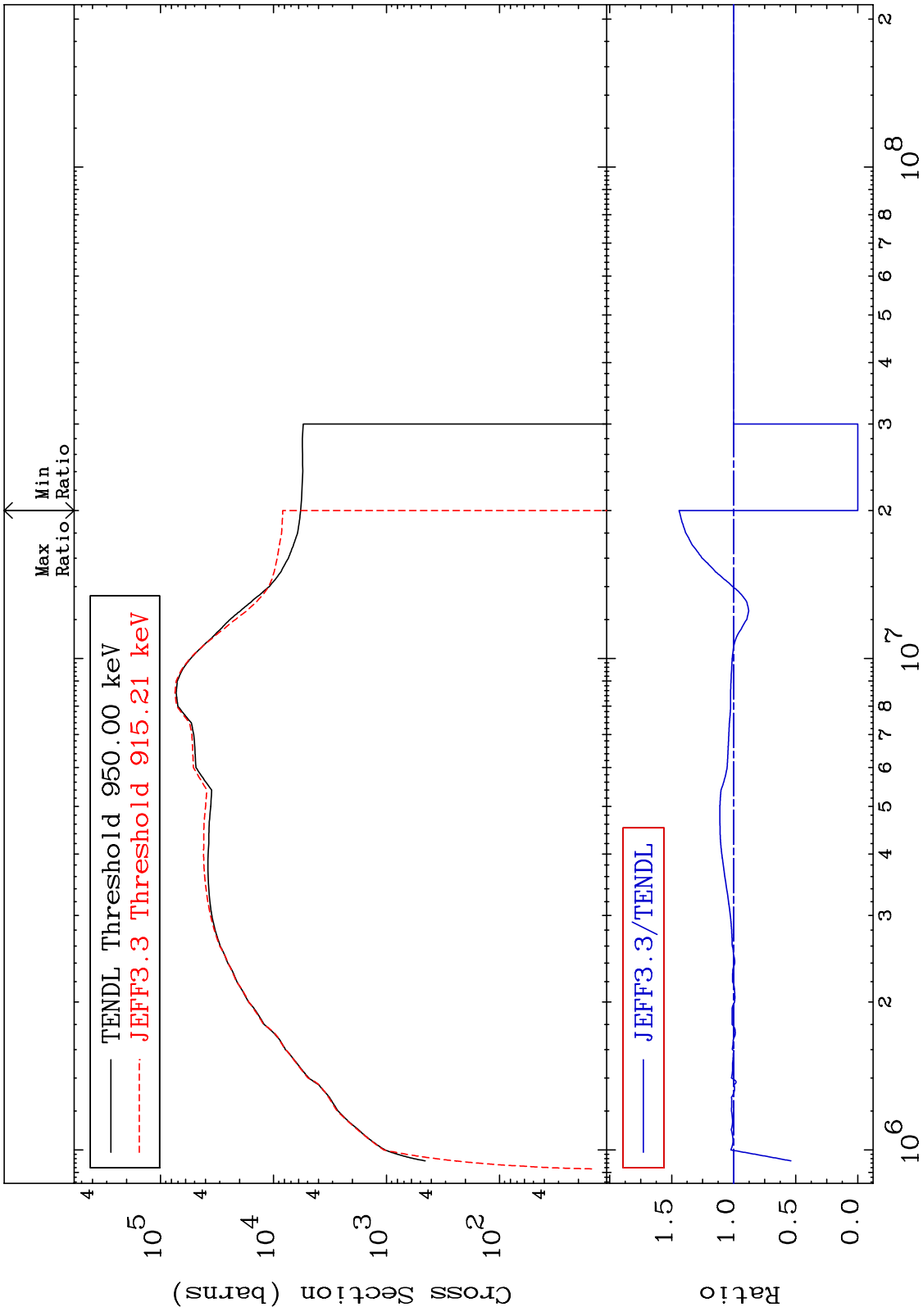


MAT 8225 82-Pb-204 -100.0 To 1667. %  
 Dpa elastic (mt2) Cross Section



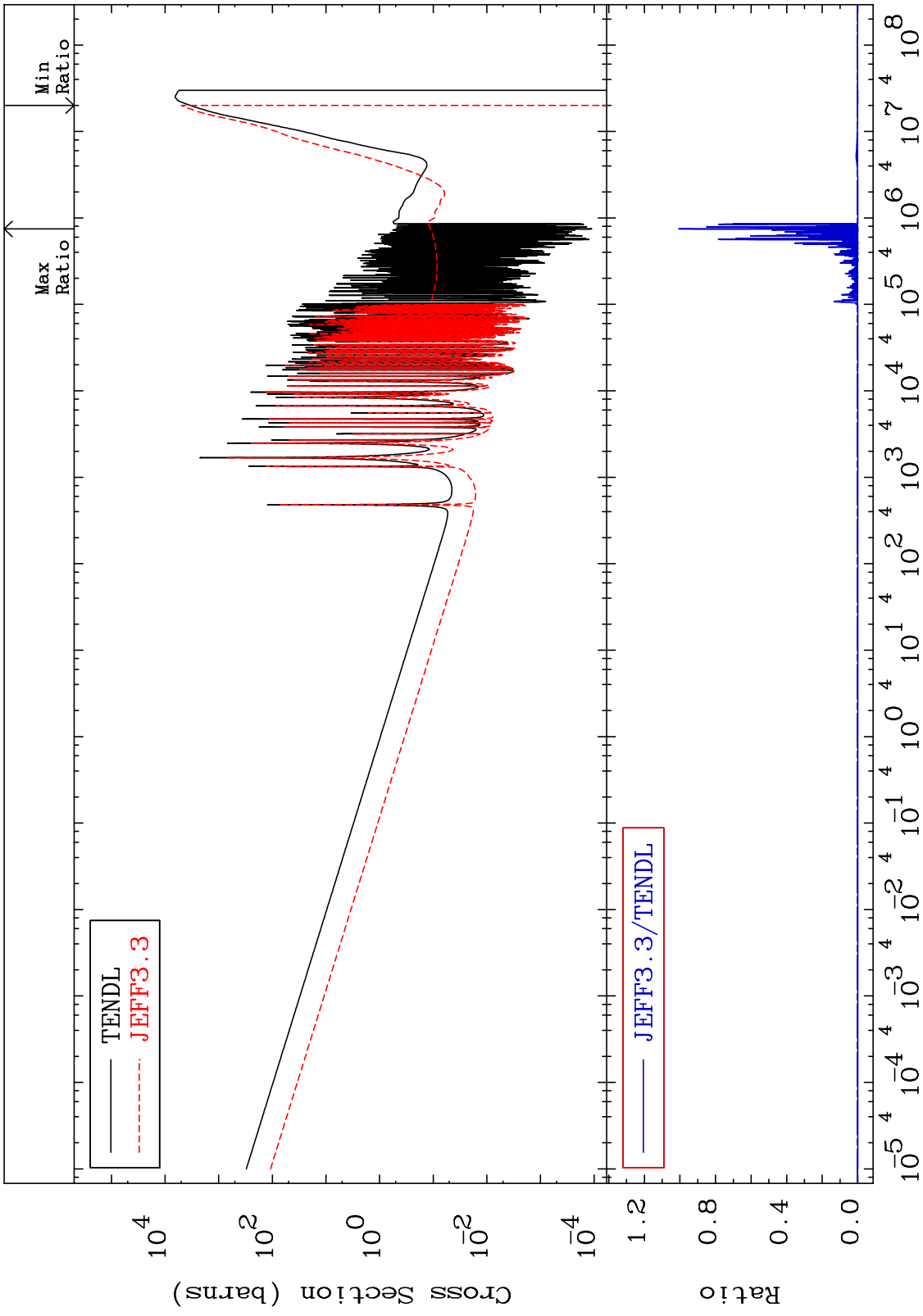
82-Pb-204  
 Incident Energy (eV)

MAT 8225      Dpa inelastic (mt51-91)      82-Pb-204  
 Cross Section      -100.0 To 44.05 %



57      Incident Energy (eV)      82-Pb-204

MAT 8225      Dpa disappearance (mt102 -120)      82-Pb-204  
 Cross Section      -100.0 To 9999. %

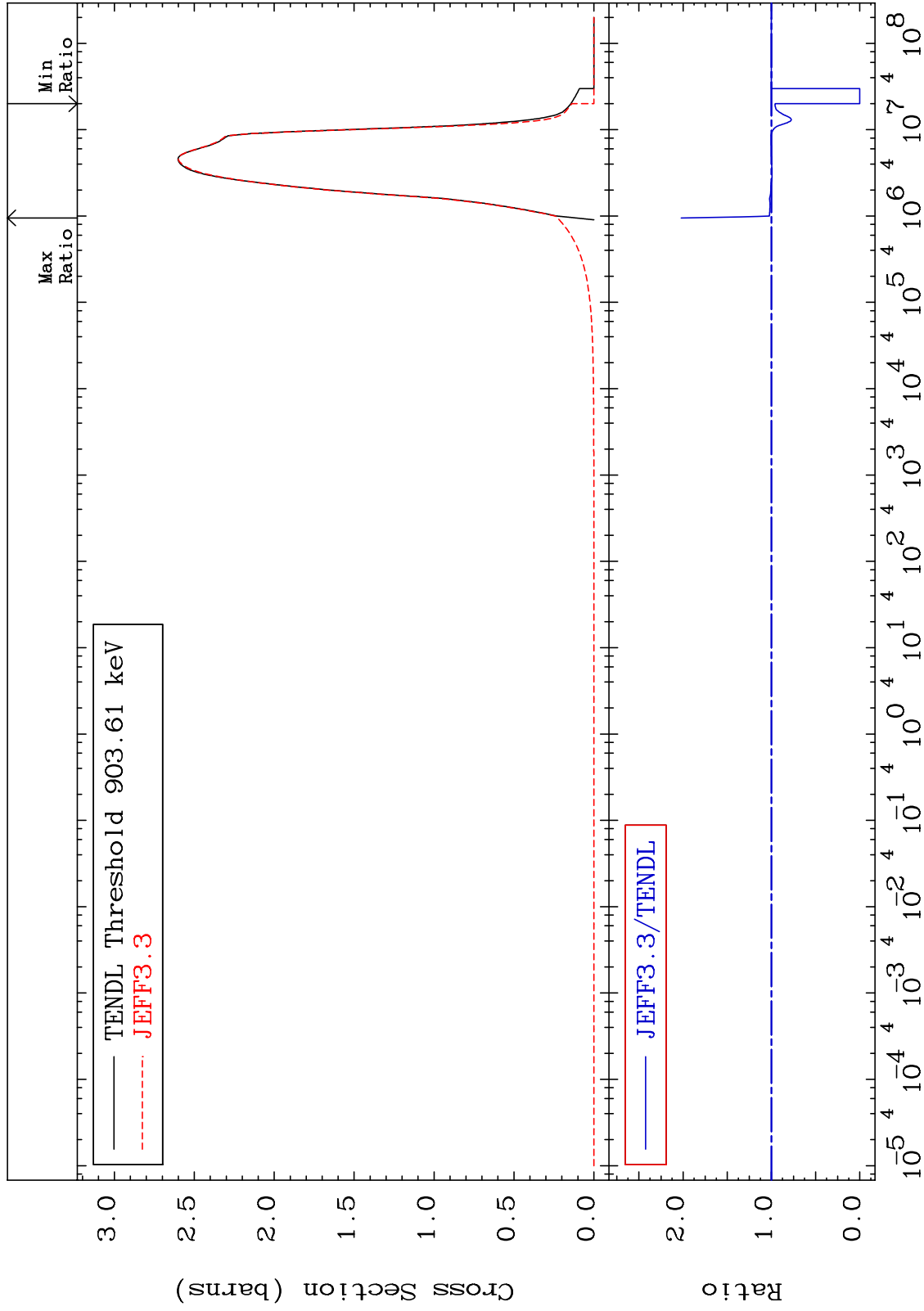


MAT 8225

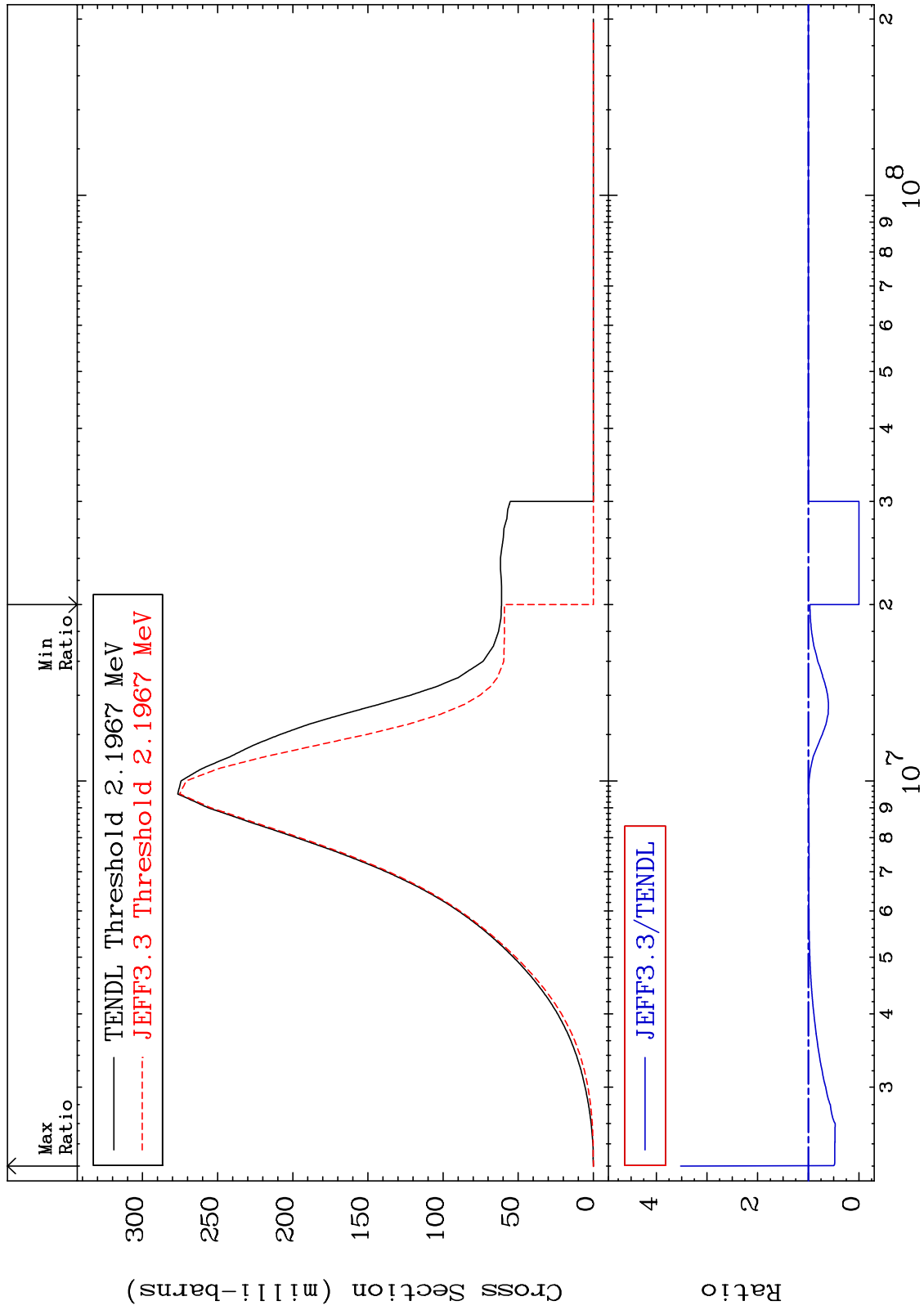
Inelastic:82-Pb-204g

82-Pb-204

Radionuclide Production Cross Section -100.0 To 102.1 %



MAT 8225 Inelastic: 82-Pb-204m21 82-Pb-204  
Radionuclide Production Cross Section -100.0 To 252.0 %

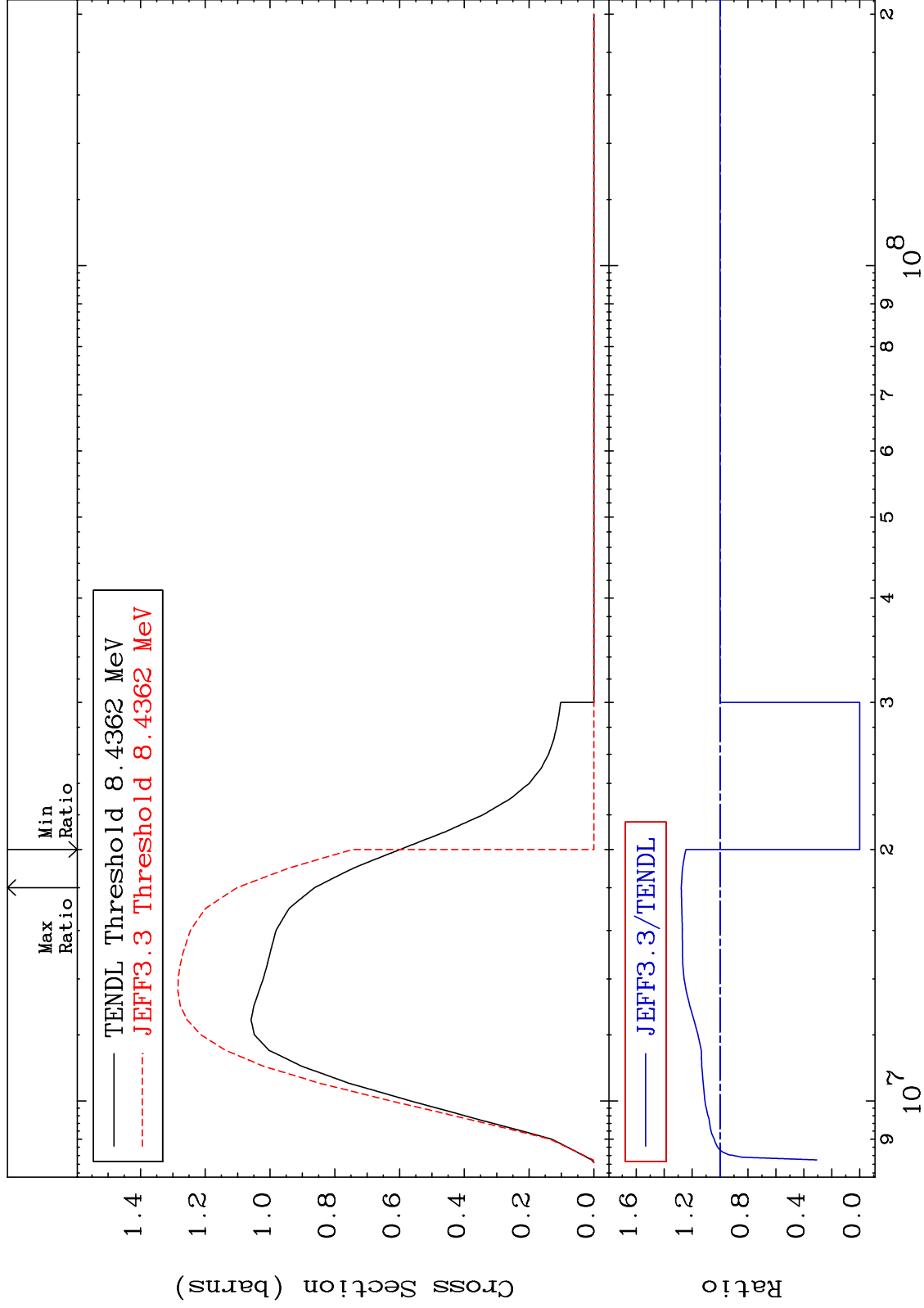


MAT 8225

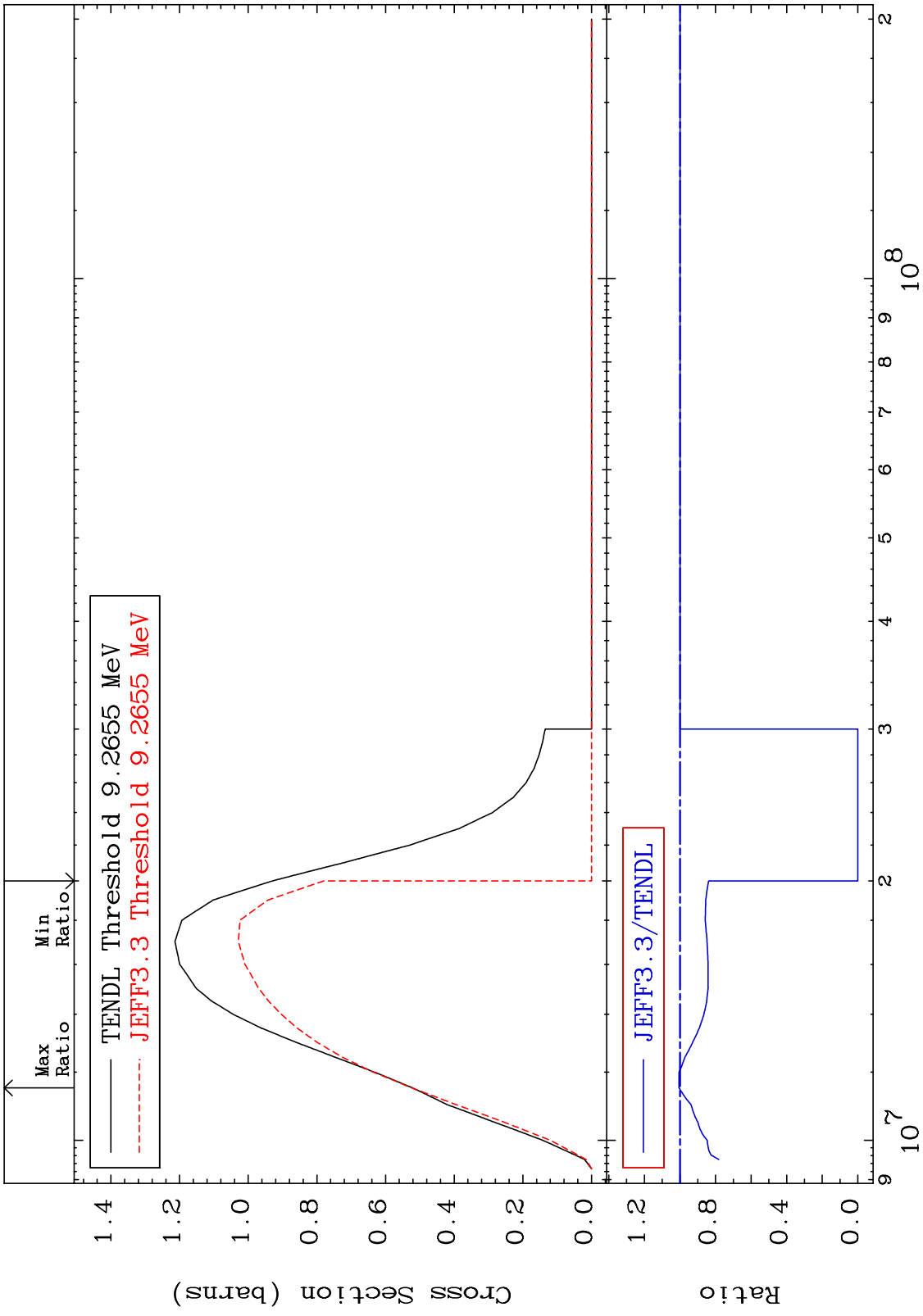
(n,2n):82-Pb-203g

82-Pb-204

Radionuclide Production Cross Section -100.0 To 27.75 %

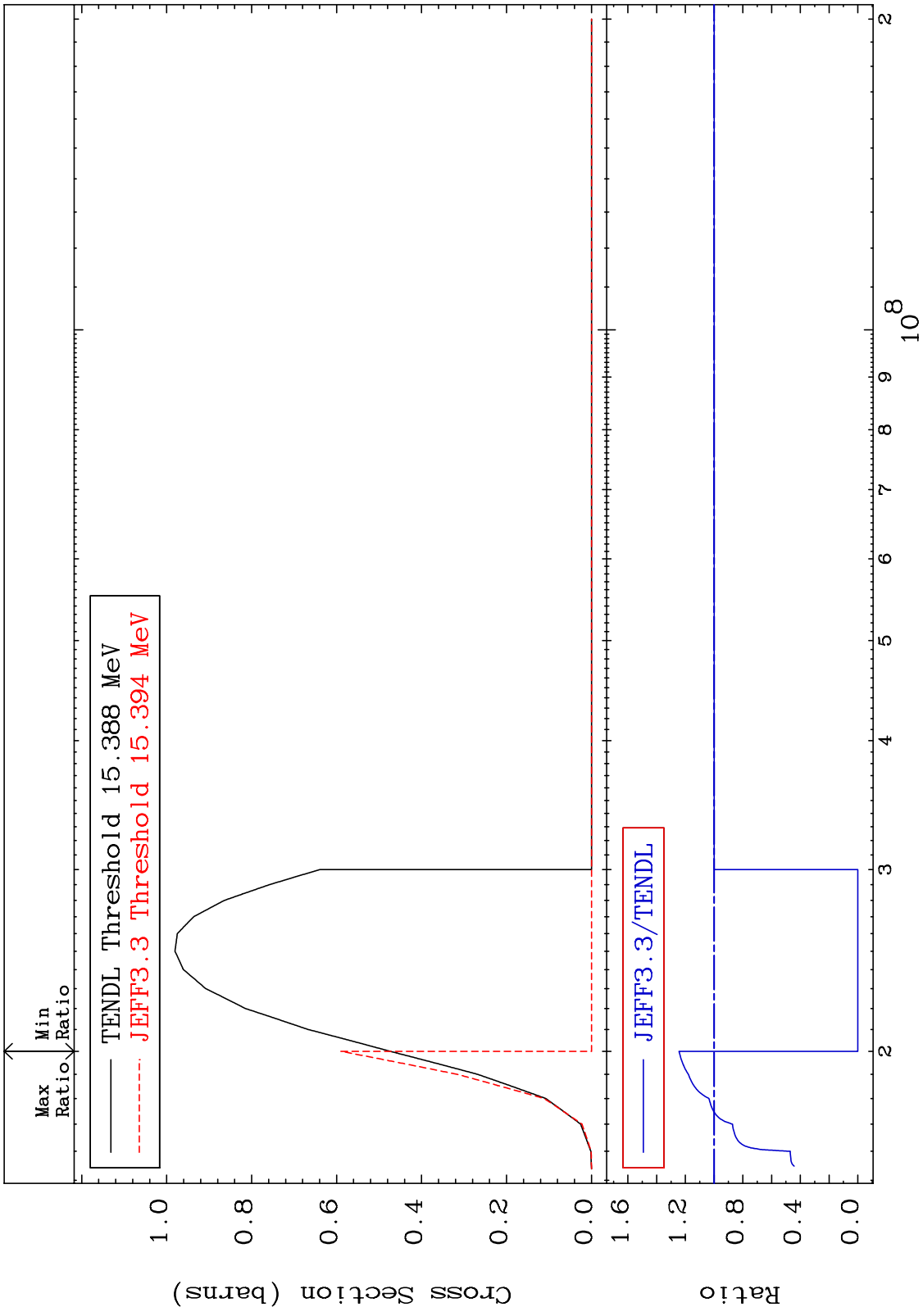


MAT 8225 (n,2n): 82-Pb-203m6 82-Pb-204  
 Radionuclide Production Cross Section -100.0 To 0.515 %



62 Incident Energy (eV) 82-Pb-204

MAT 8225 (n,3n):82-Pb-202g 82-Pb-204  
 Radionuclide Production Cross Section -100.0 To 24.40 %



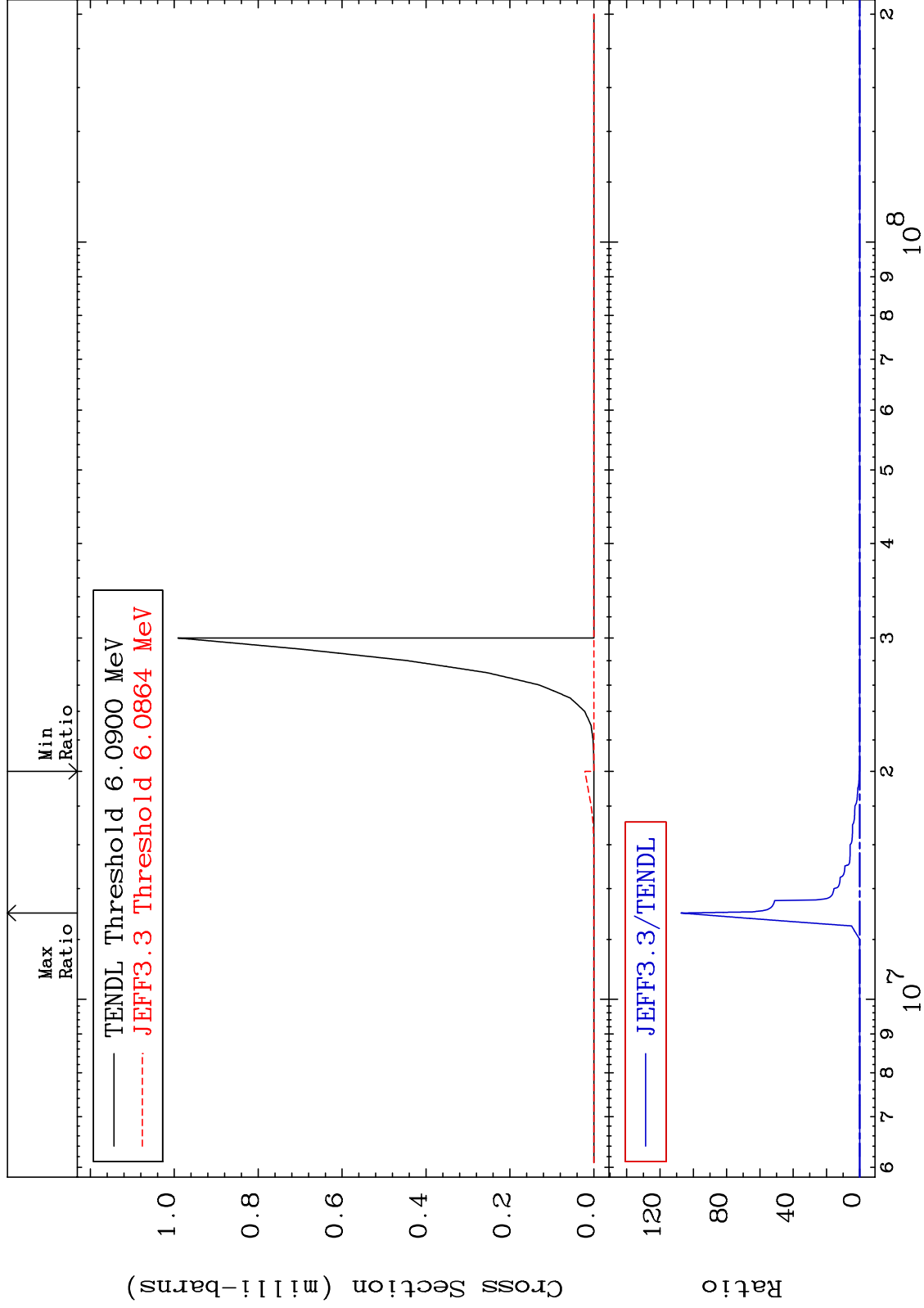


MAT 8225

(n,2n)  $\alpha$ :80-Hg-199g

82-Pb-204

Radionuclide Production Cross Section -100.0 To 9999. %



64

Incident Energy (eV)

82-Pb-204

MAT 8225 (n,2n)  $\alpha$ : 80-Hg-199m7 82-Pb-204  
 Radionuclide Production Cross Section -100.0 To 9999. %

