

Program Complot  
(Version 2021-1)

by

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Press Mouse Button to Start

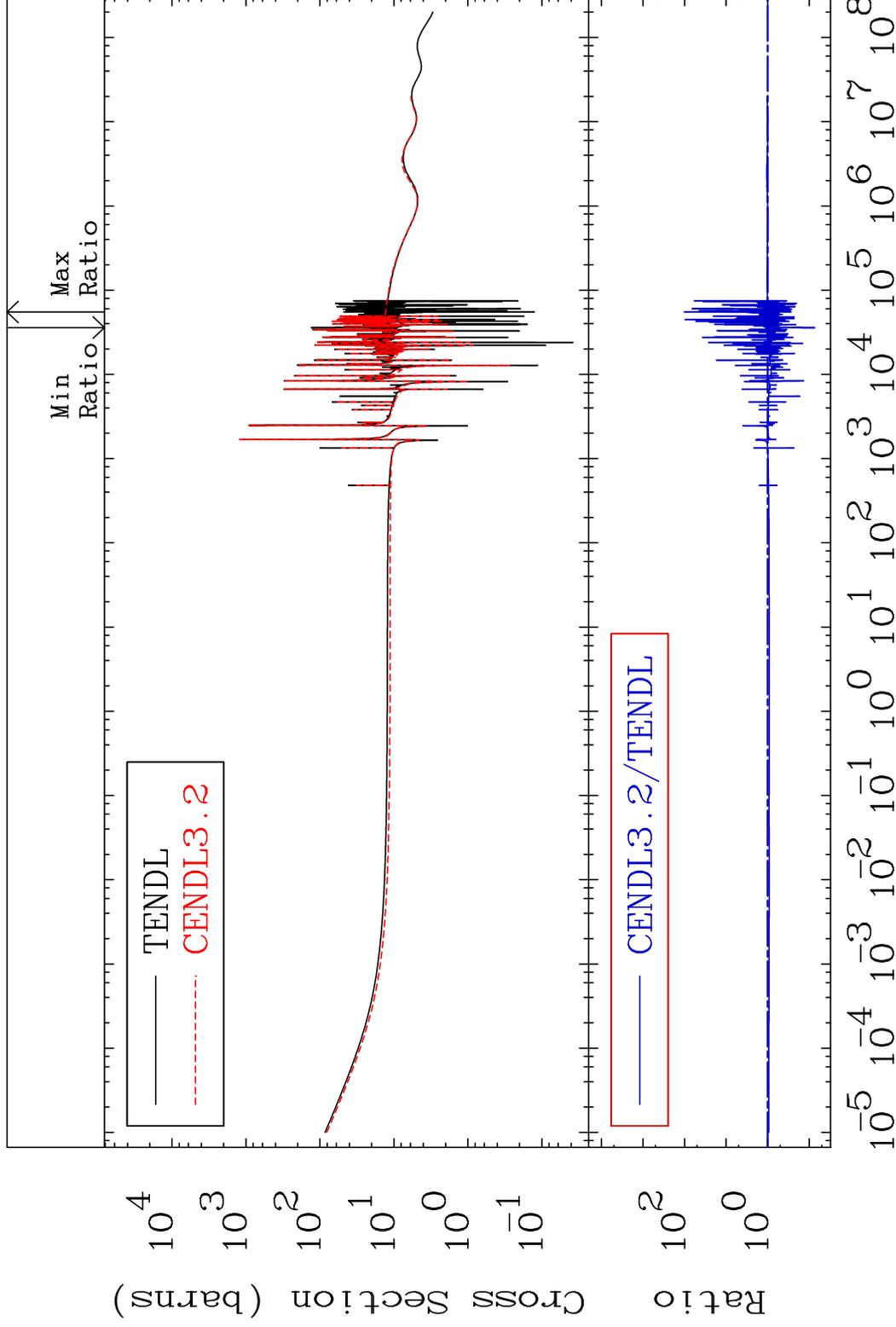
MAT 8225

Total

82-Pb-204

Cross Section

-92.59 To 9999. %



1

Incident Energy (eV)

82-Pb-204

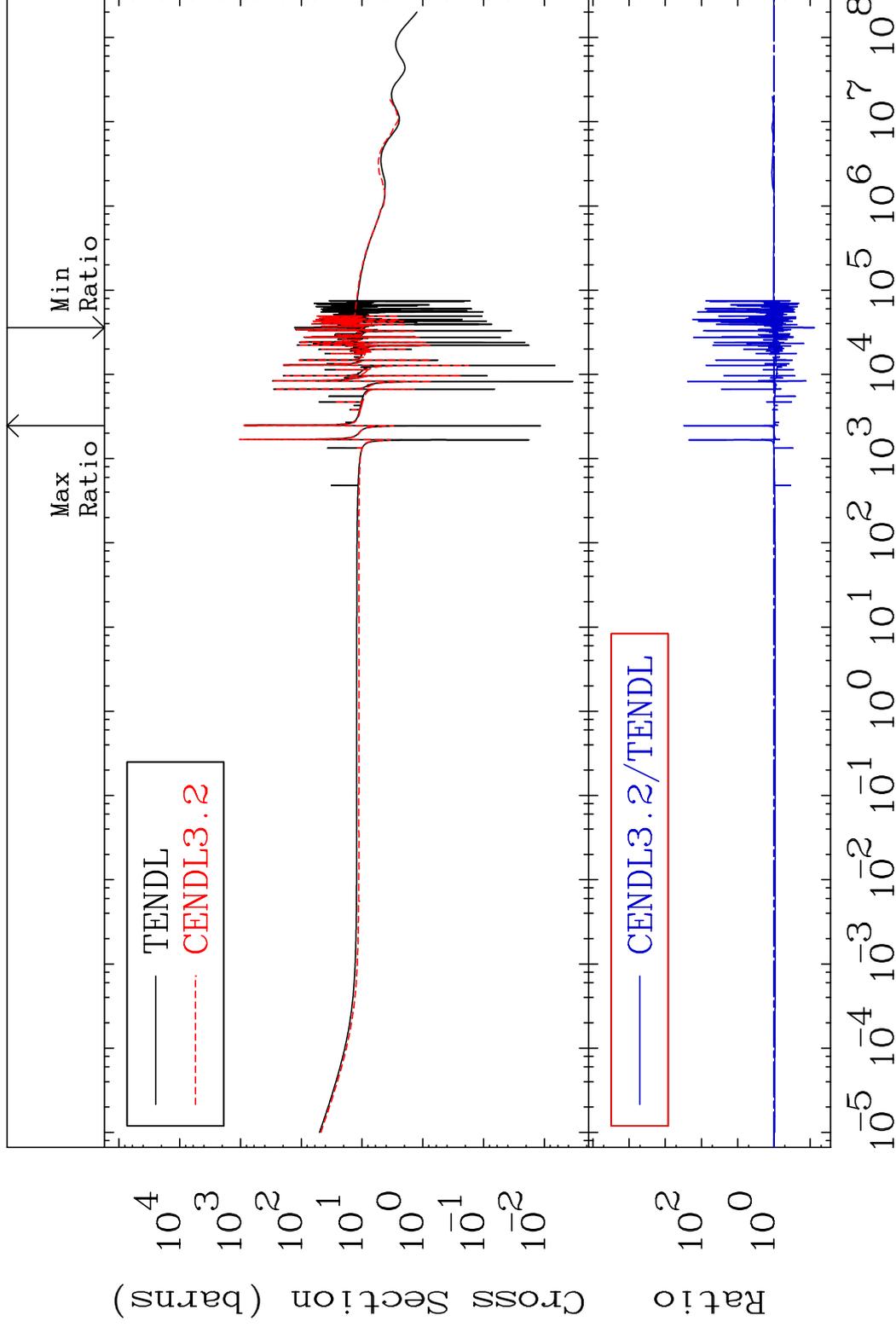
MAT 8225

Elastic

82-Pb-204

Cross Section

-92.51 To 9999. %

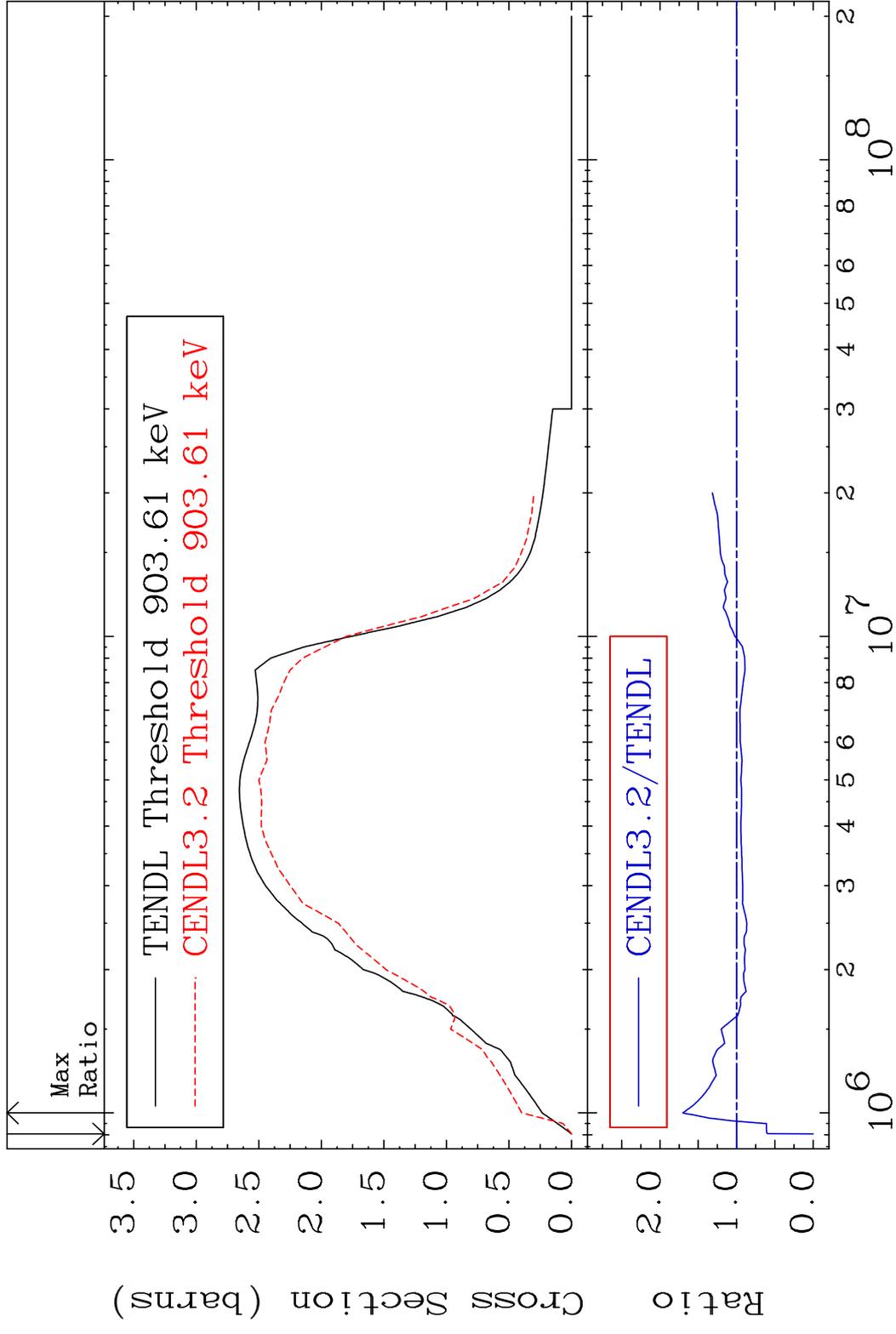


2

Incident Energy (eV)

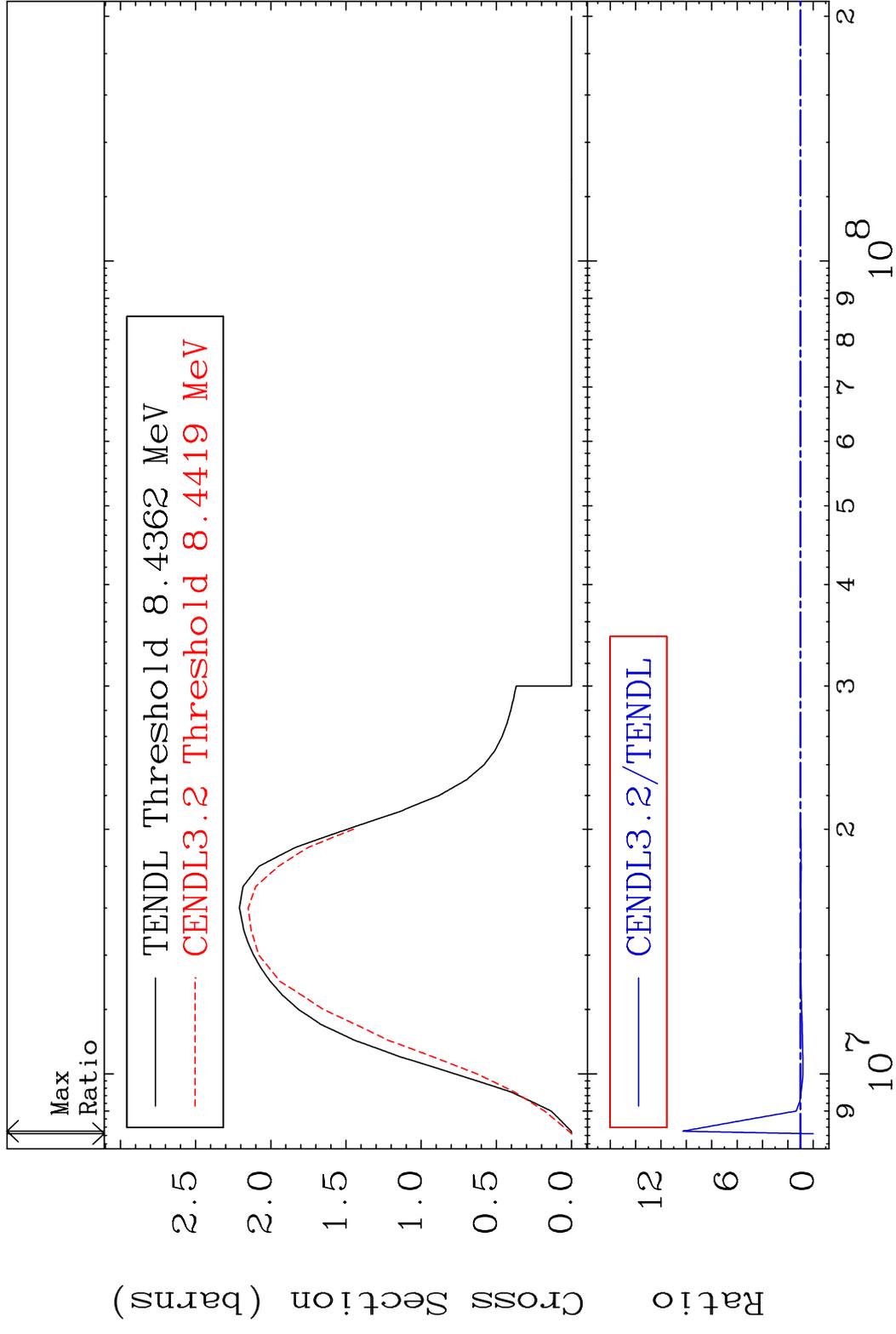
82-Pb-204

MAT 8225                      Inelastic                      82-Pb-204  
 Cross Section                      -100.0 To 70.13 %



3                      Incident Energy (eV)                      82-Pb-204

MAT 8225 (n,2n) 82-Pb-204  
 Cross Section -100.0 To 927.9 %



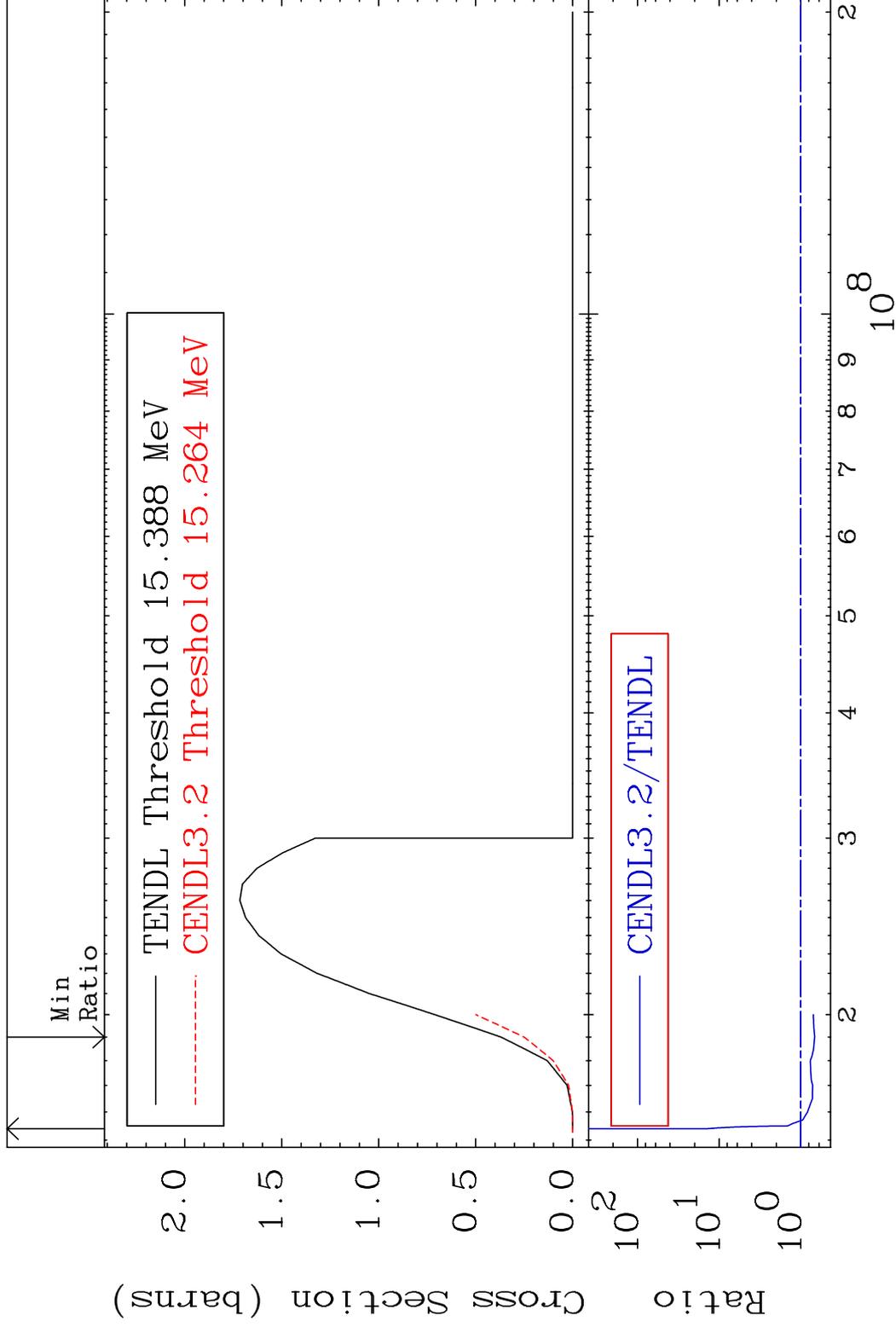
4 Incident Energy (eV) 82-Pb-204

MAT 8225

(n,3n)

82-Pb-204

Cross Section -32.28 To 2587. %

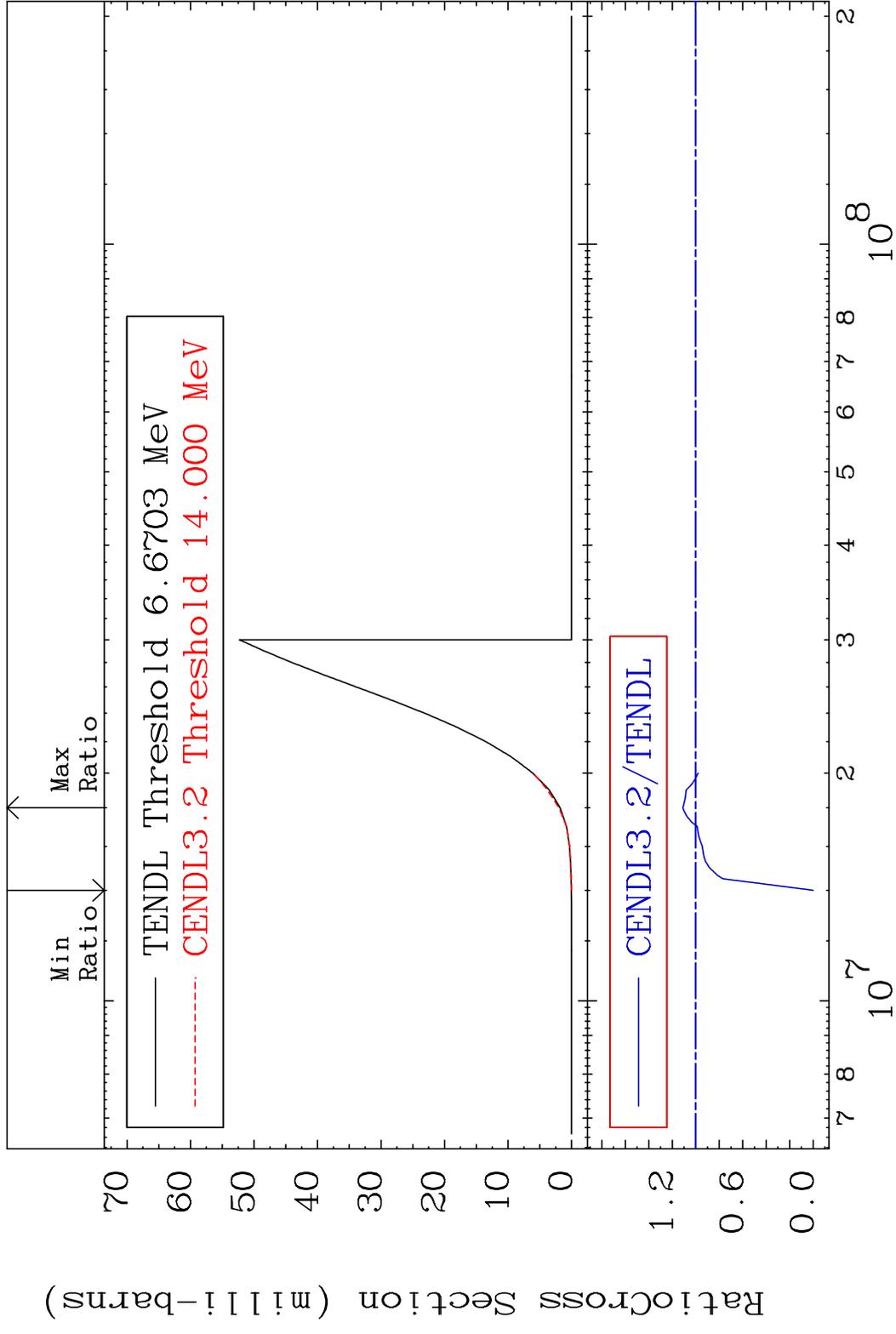


5

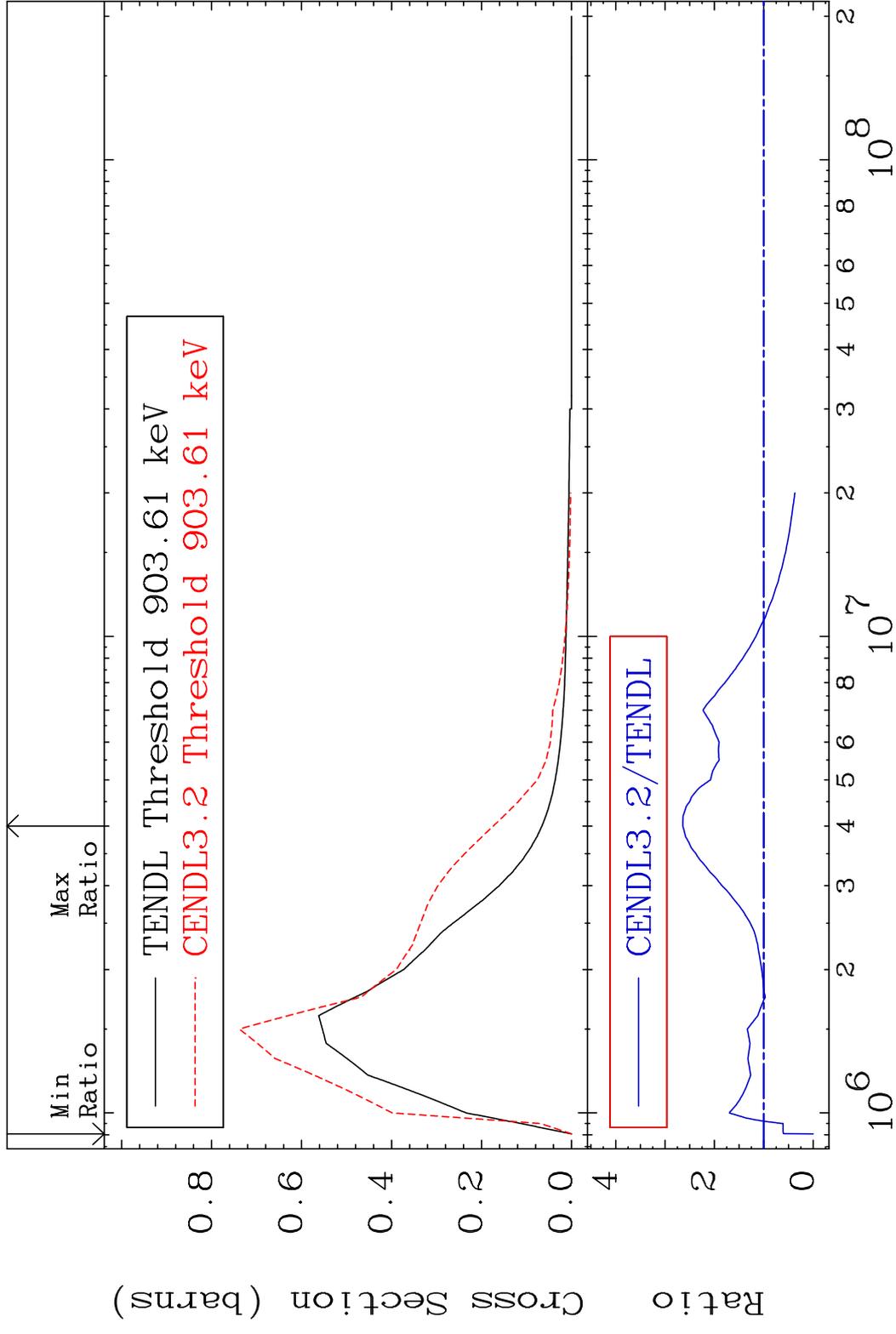
Incident Energy (eV)

82-Pb-204

MAT 8225 (n, n') p 82-Pb-204  
 Cross Section -100.0 To 11.01 %

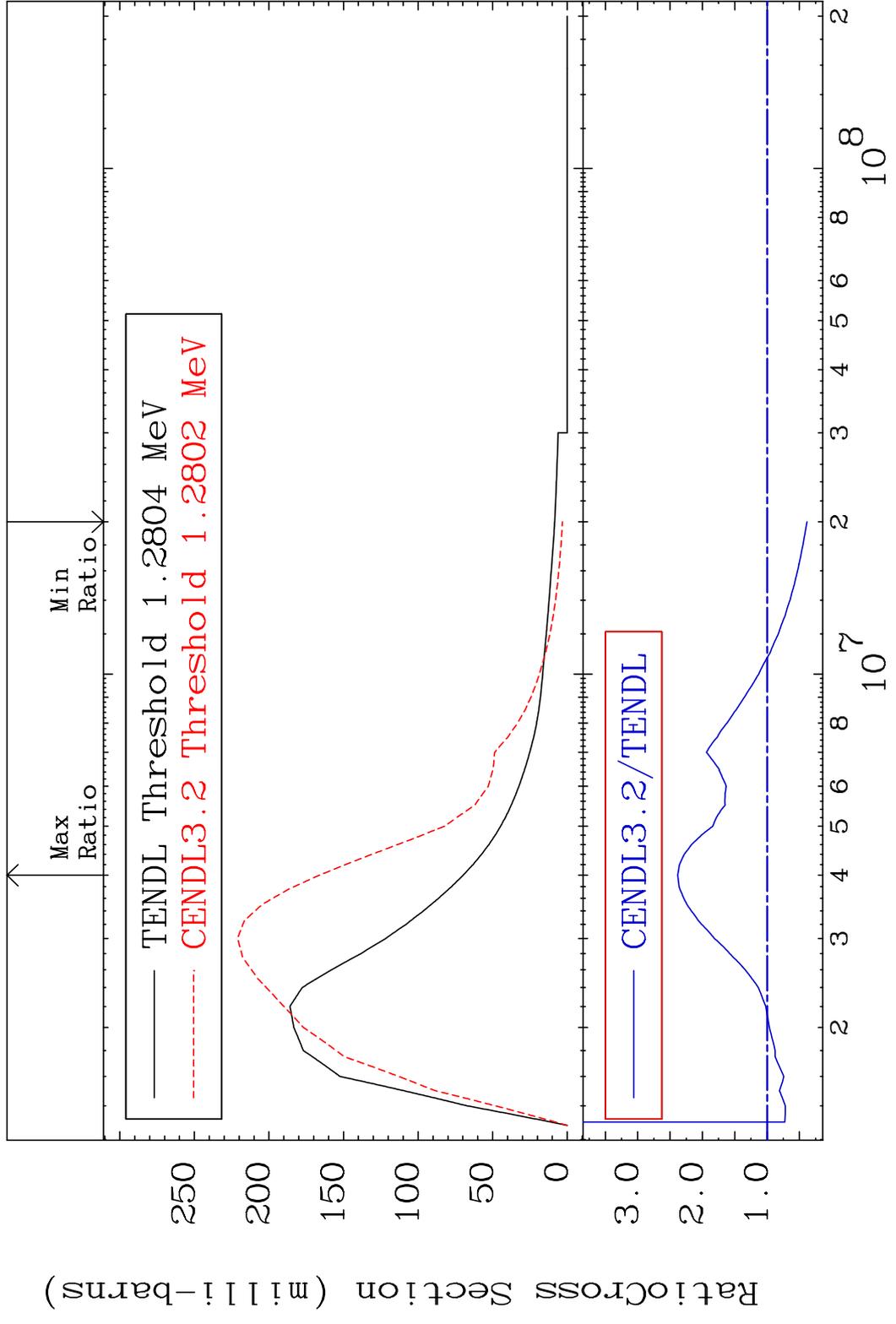


MAT 8225 MT= 51 (n, n') Level 82-Pb-204  
 Cross Section -100.0 To 163.9 %

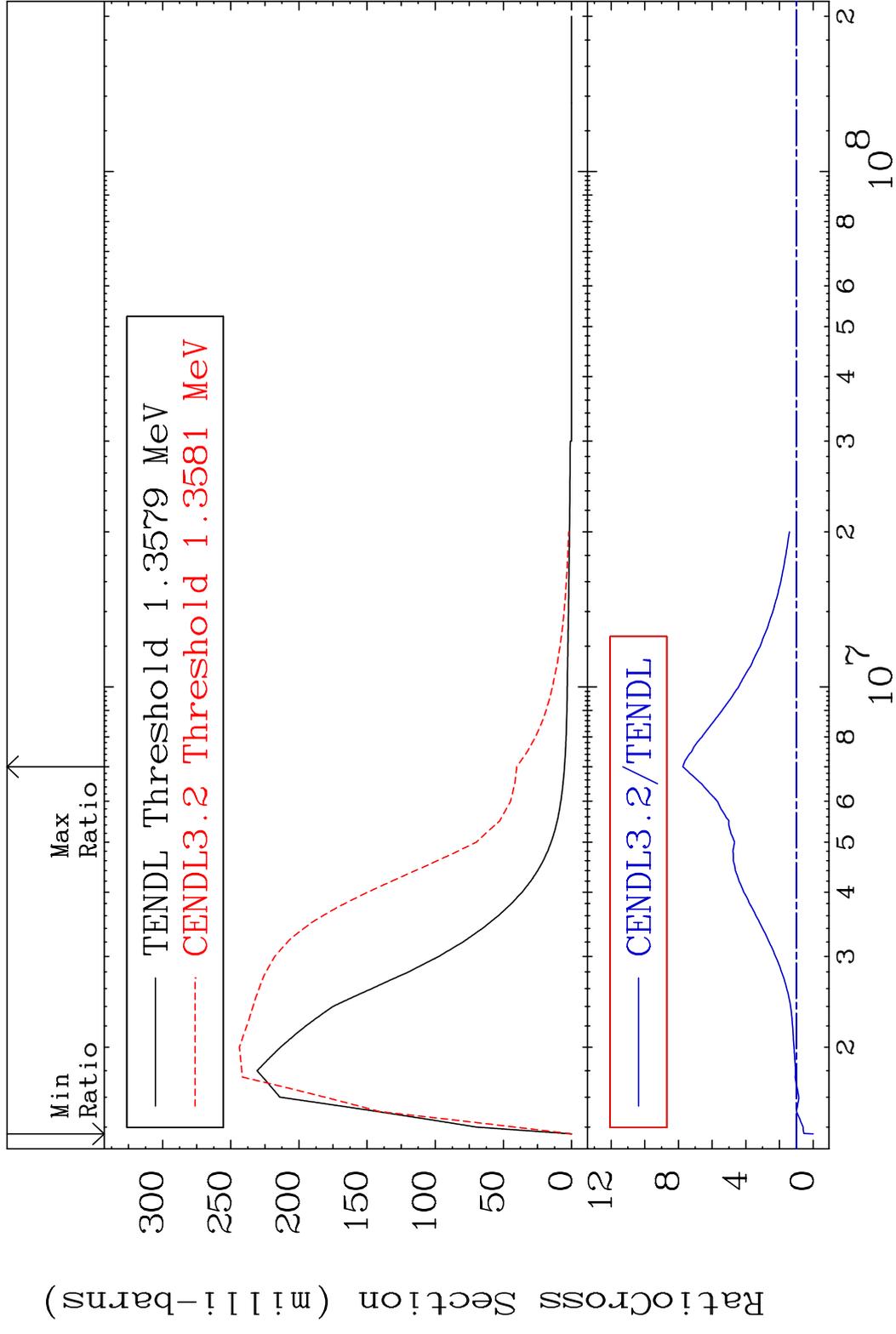


7 Incident Energy (eV) 82-Pb-204

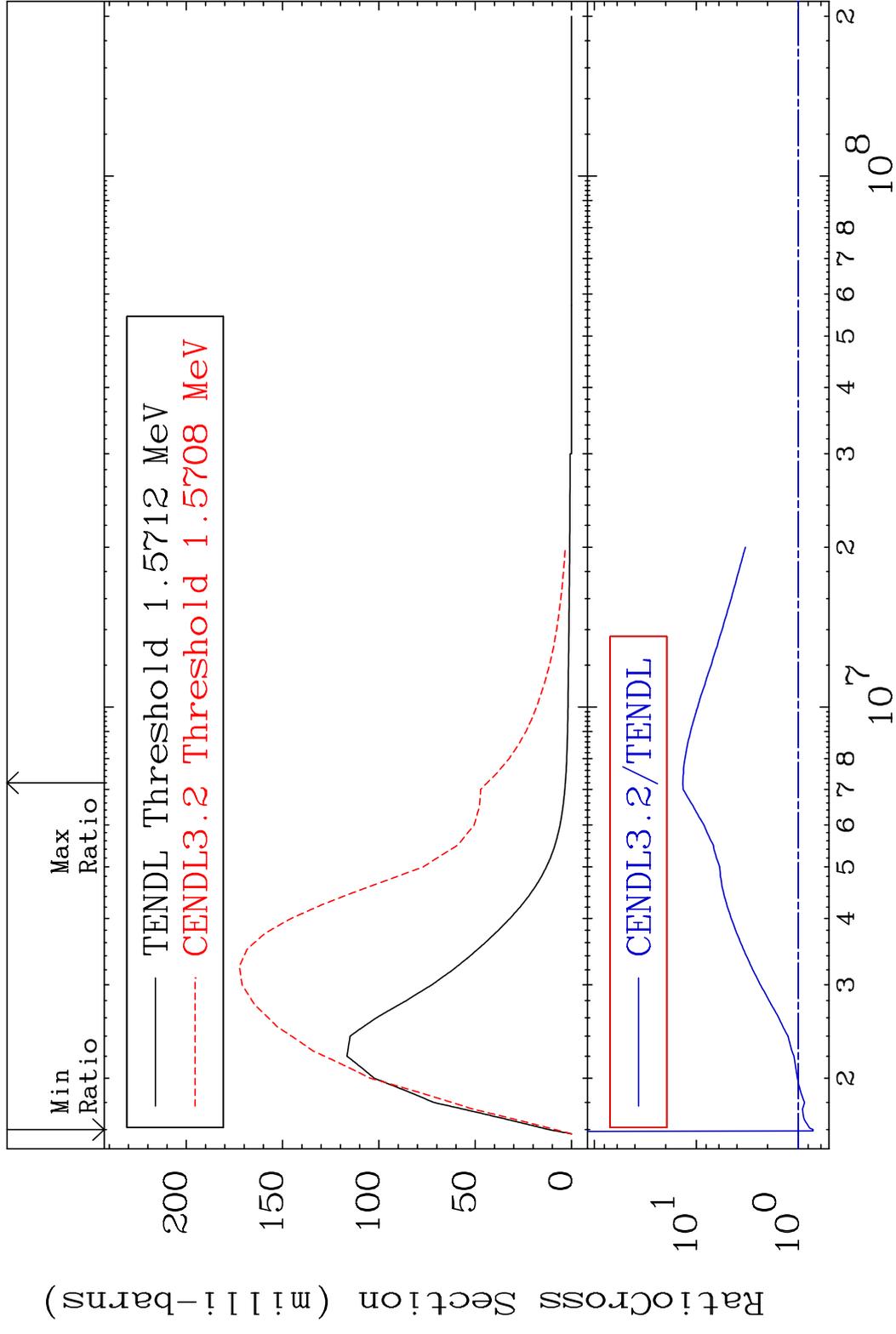
MAT 8225 MT= 52 (n, n') Level 82-Pb-204  
 Cross Section -61.67 To 138.2 %



MAT 8225 MT= 53 (n, n') Level 82-Pb-204  
 Cross Section -100.0 To 674.0 %

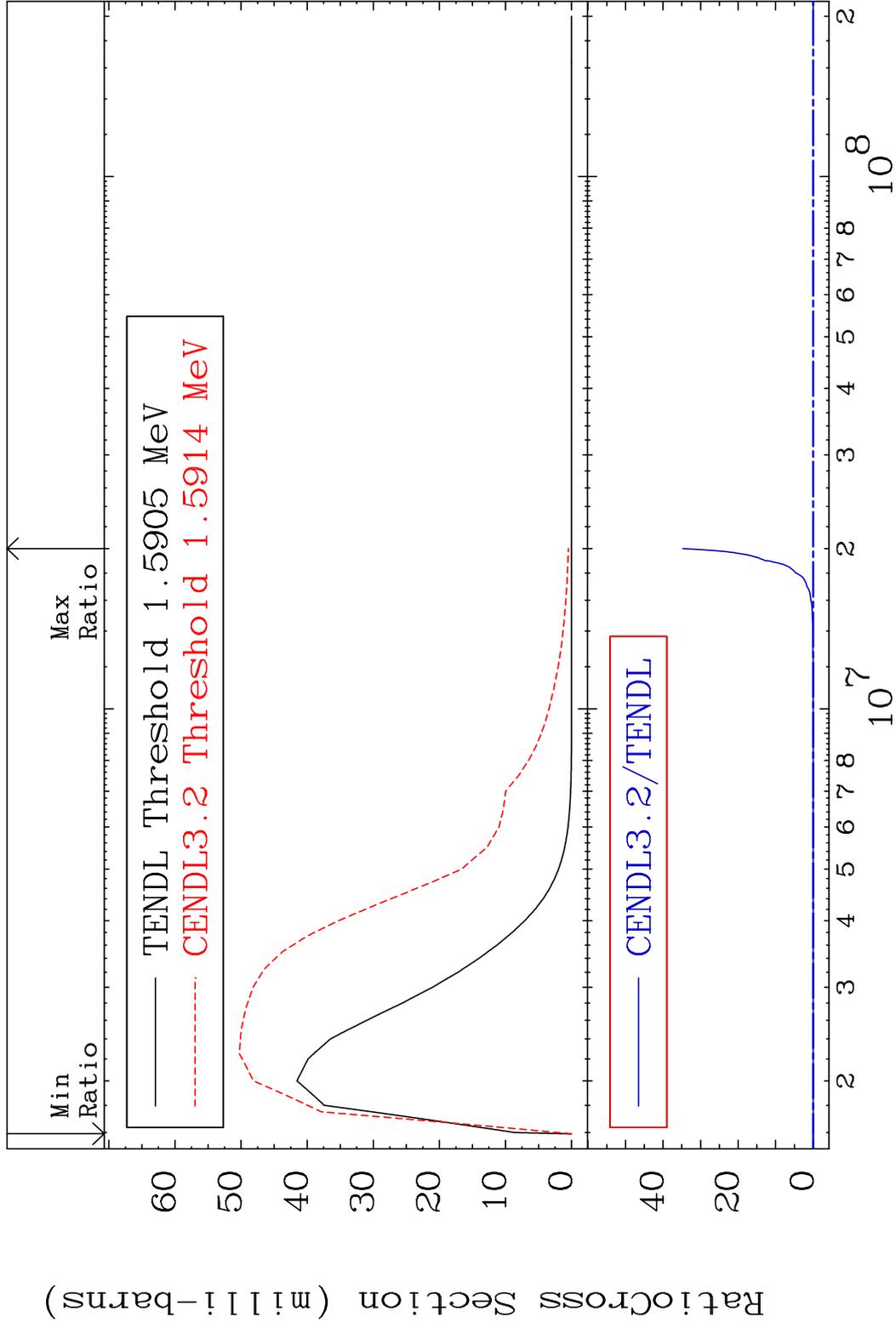


MAT 8225 MT= 54 (n, n') Level 82-Pb-204  
 Cross Section -28.53 To 1257. %

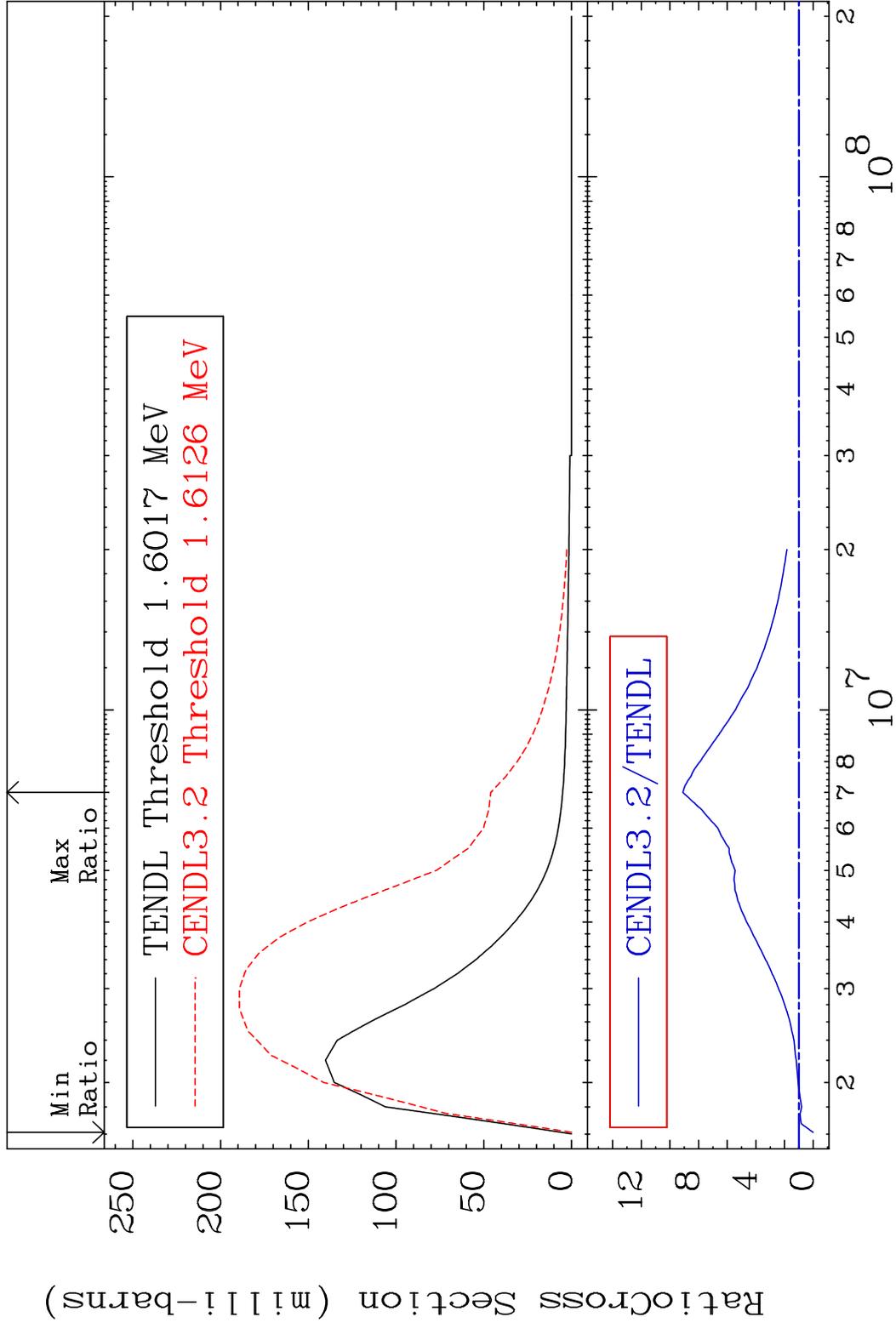


10 Incident Energy (eV) 82-Pb-204

MAT 8225 MT= 55 (n, n') Level 82-Pb-204  
 Cross Section -100.0 To 9999. %

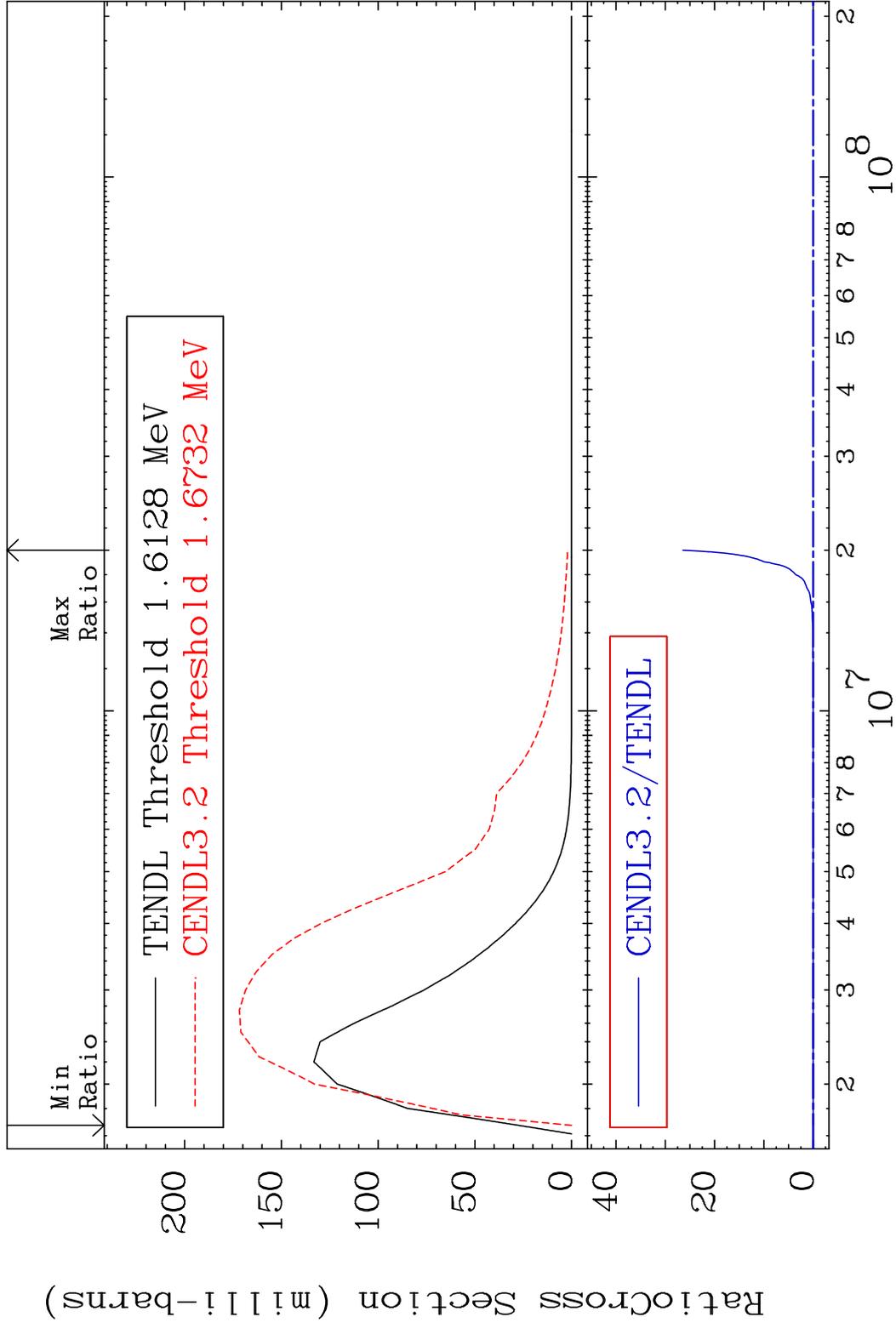


MAT 8225 MT= 56 (n,n') Level 82-Pb-204  
 Cross Section -100.0 To 810.0 %

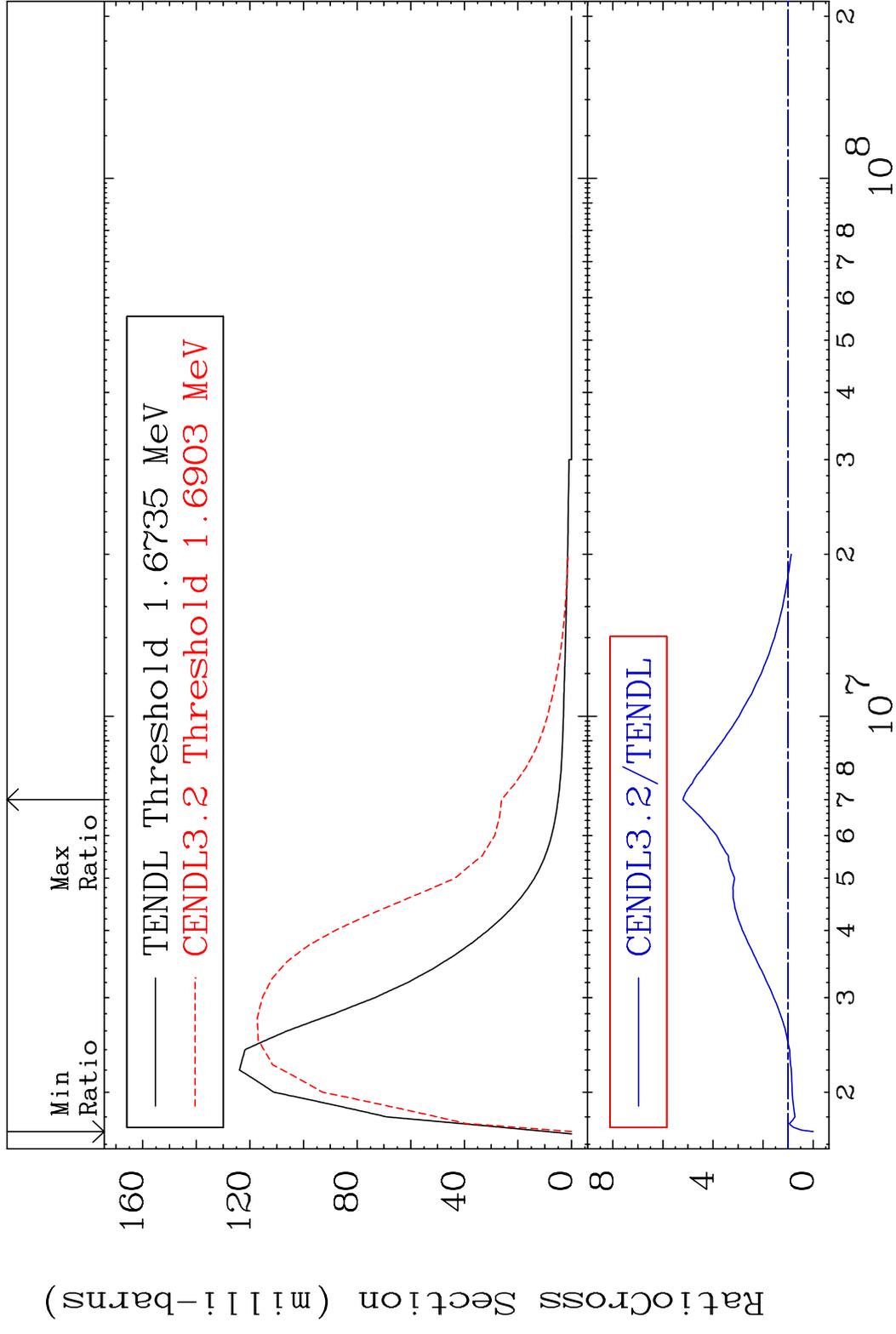


12 82-Pb-204

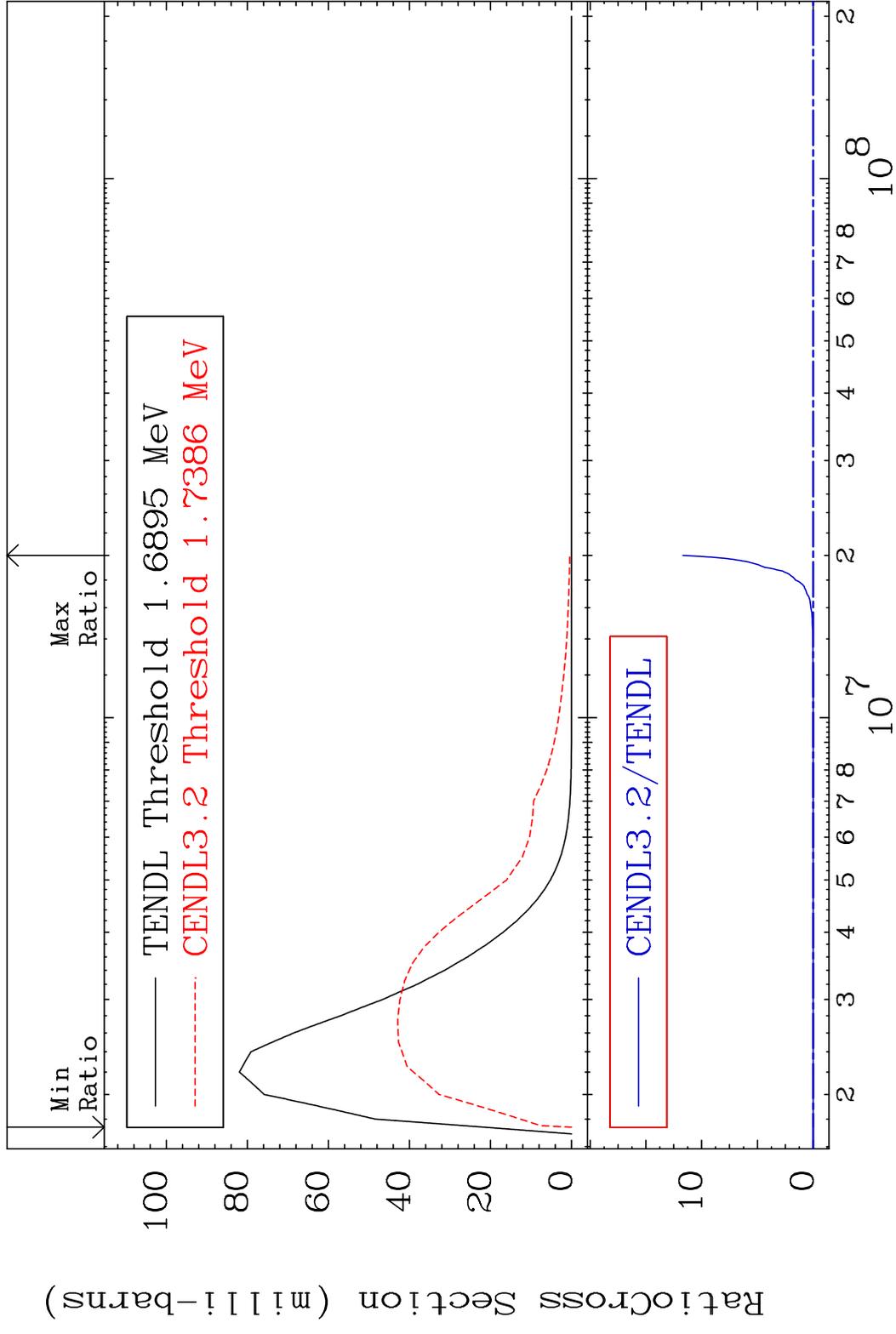
MAT 8225 MT= 57 (n, n') Level 82-Pb-204  
 Cross Section -100.0 To 9999. %



MAT 8225 MT= 58 (n, n') Level 82-Pb-204  
 Cross Section -100.0 To 420.4 %

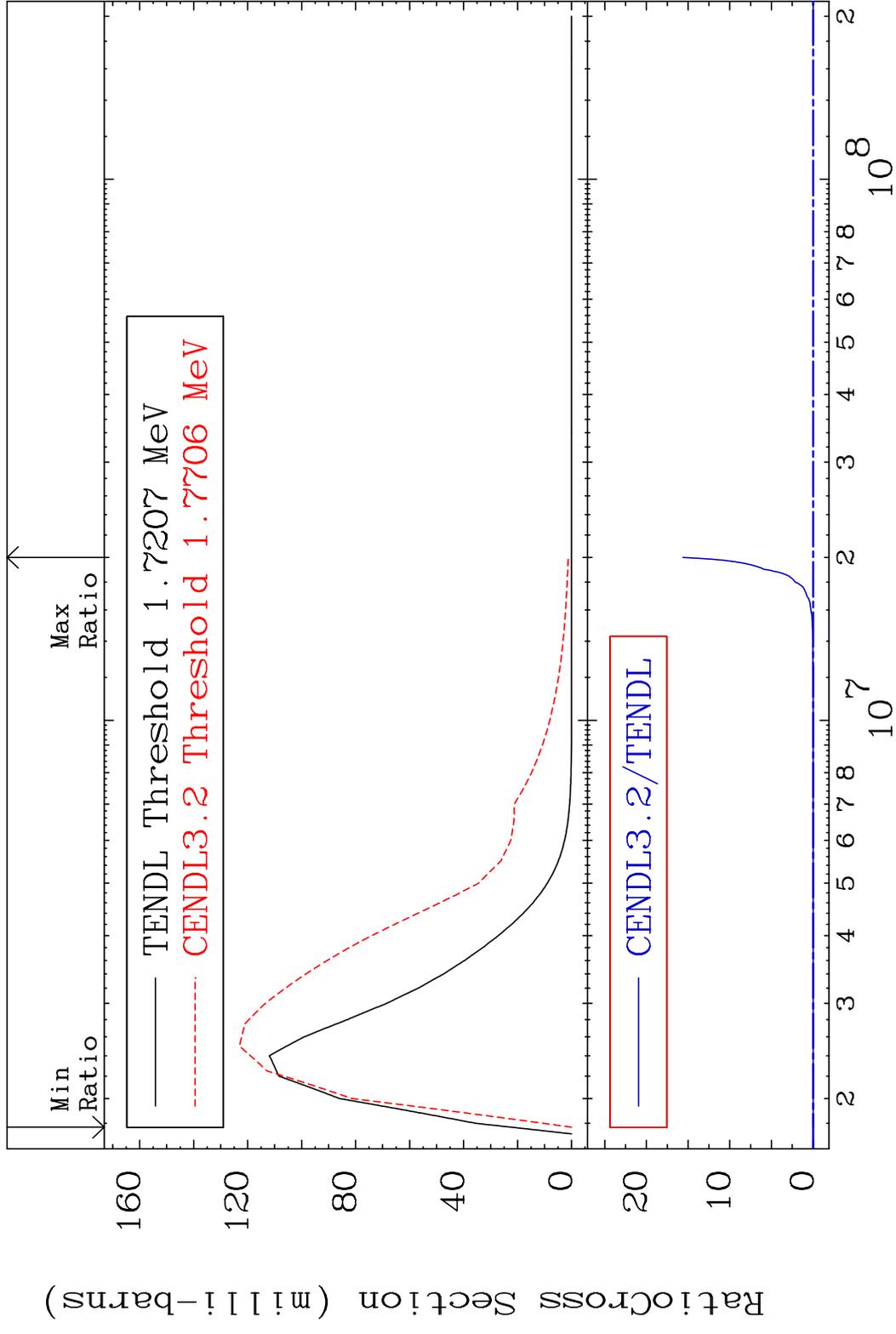


MAT 8225 MT= 59 (n, n') Level 82-Pb-204  
 Cross Section -100.0 To 9999. %



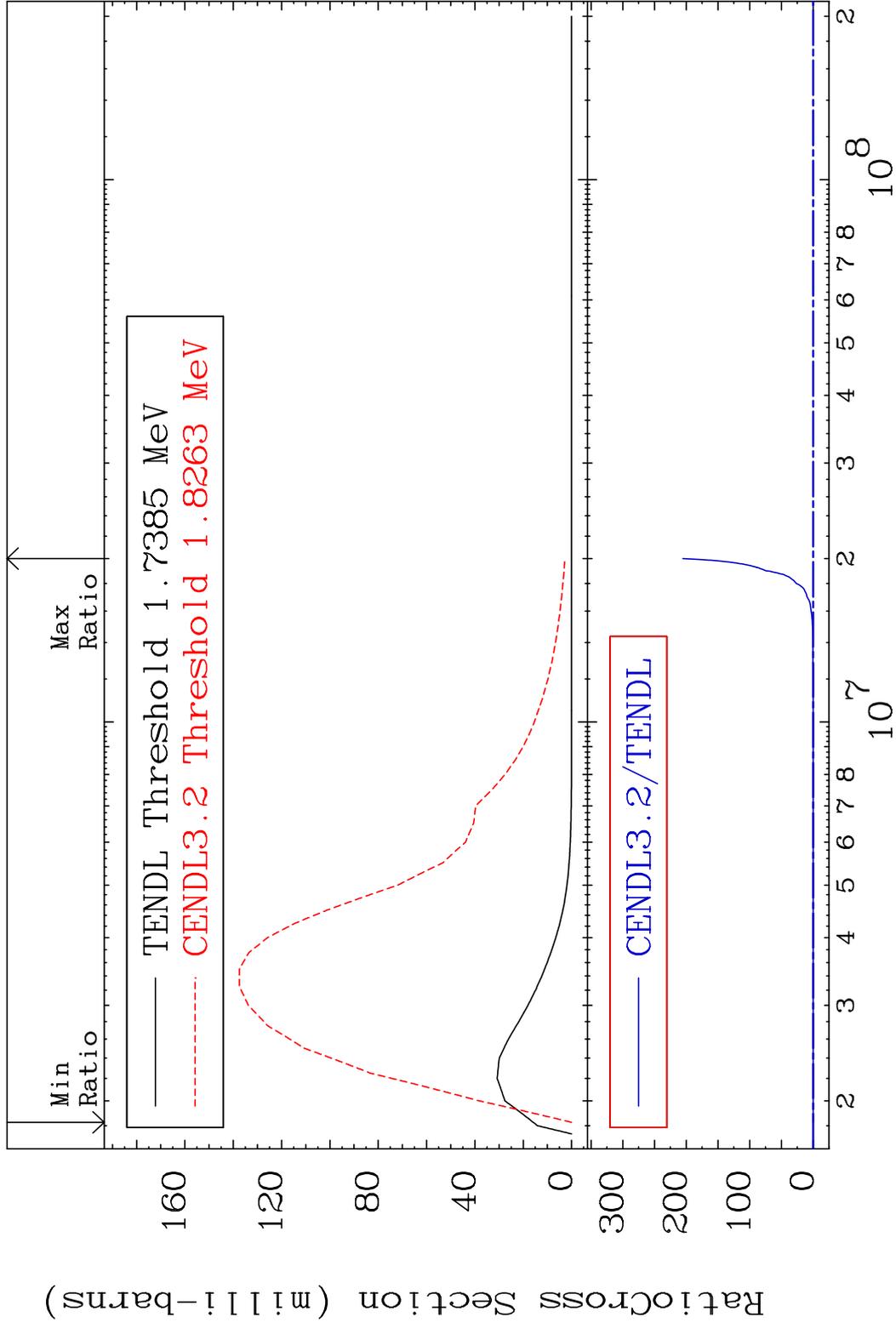
15 Incident Energy (eV) 82-Pb-204

MAT 8225 MT= 60 (n, n') Level 82-Pb-204  
 Cross Section -100.0 To 9999. %



16 Incident Energy (eV) 82-Pb-204

MAT 8225 MT= 61 (n, n') Level 82-Pb-204  
 Cross Section -100.0 To 9999. %

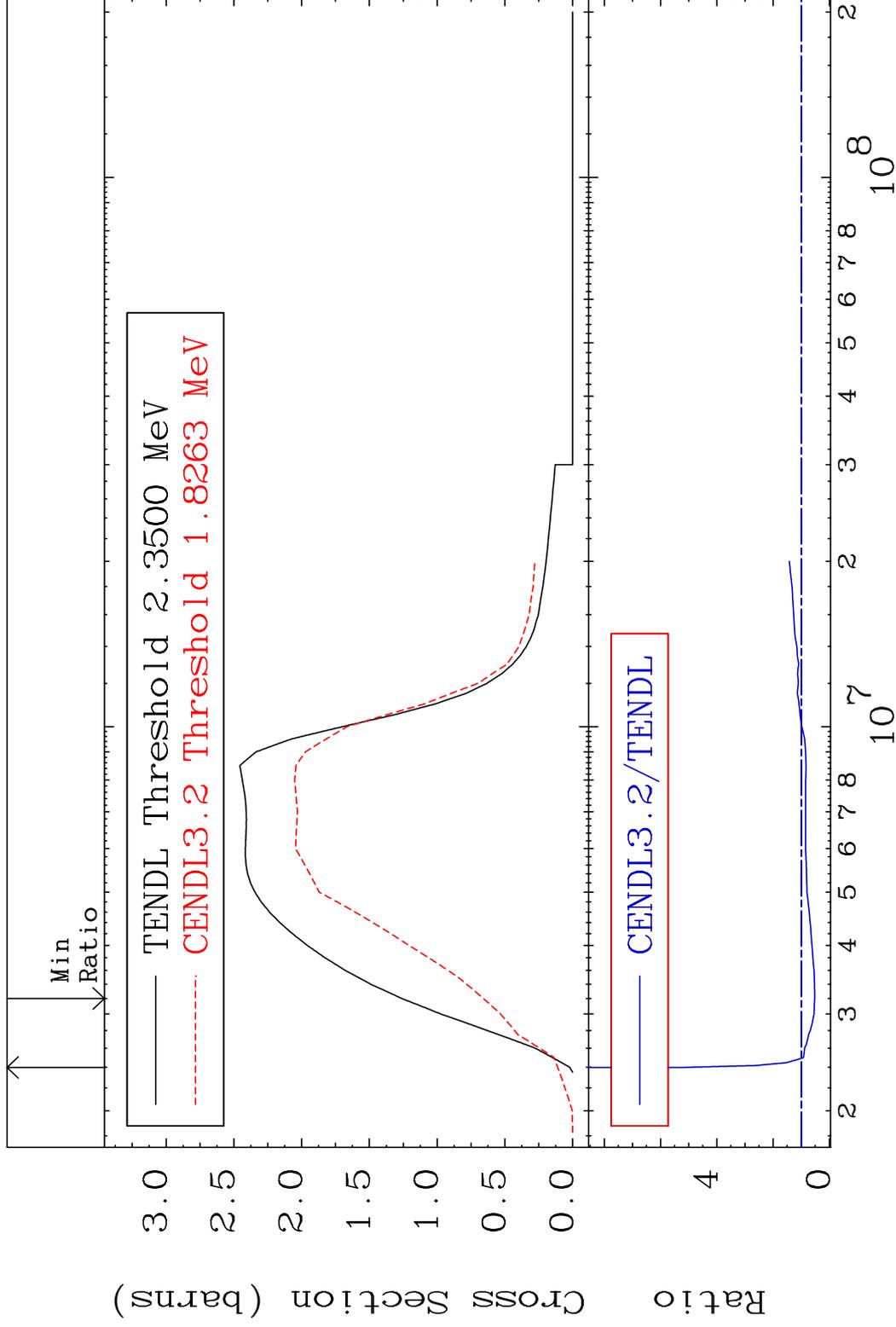


MAT 8225

(n, n') Continuum

82-Pb-204

Cross Section -47.80 To 416.3 %



18

Incident Energy (eV)

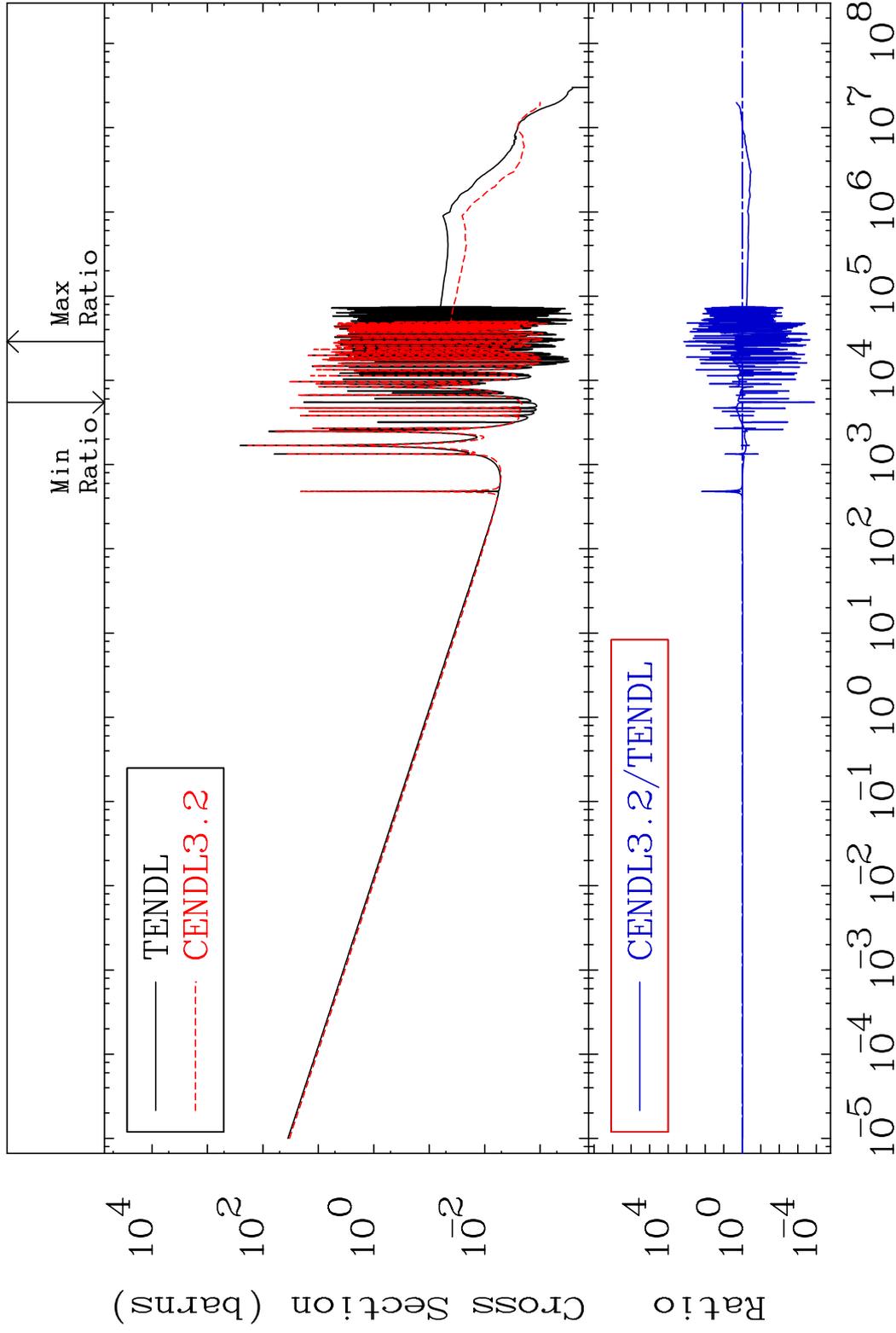
82-Pb-204

MAT 8225

(n,  $\gamma$ )

82-Pb-204

Cross Section -99.99 To 9999. %



19

Incident Energy (eV)

82-Pb-204

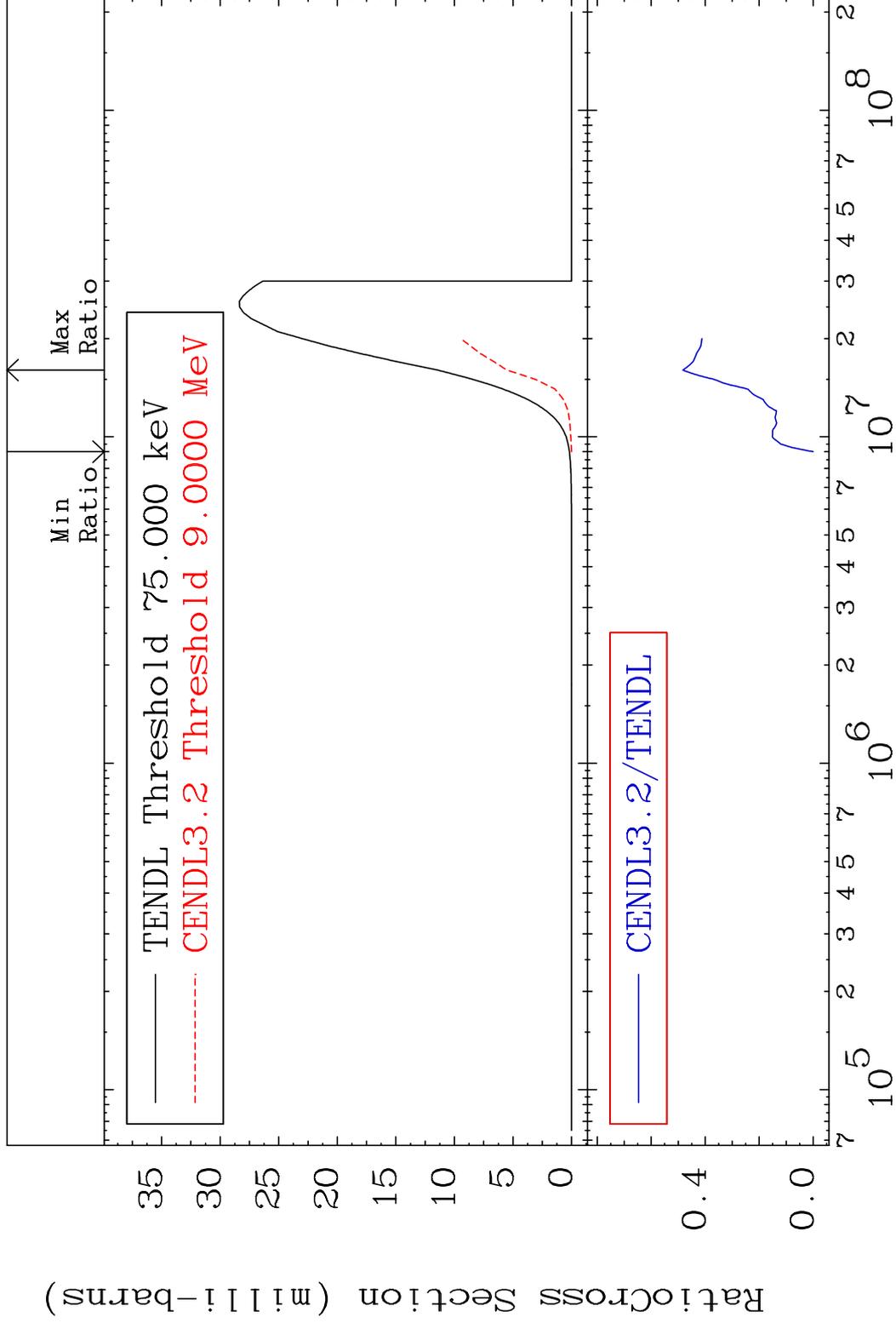
MAT 8225

(n, p)

82-Pb-204

Cross Section

-100.0 To -51.72%



20

Incident Energy (eV)

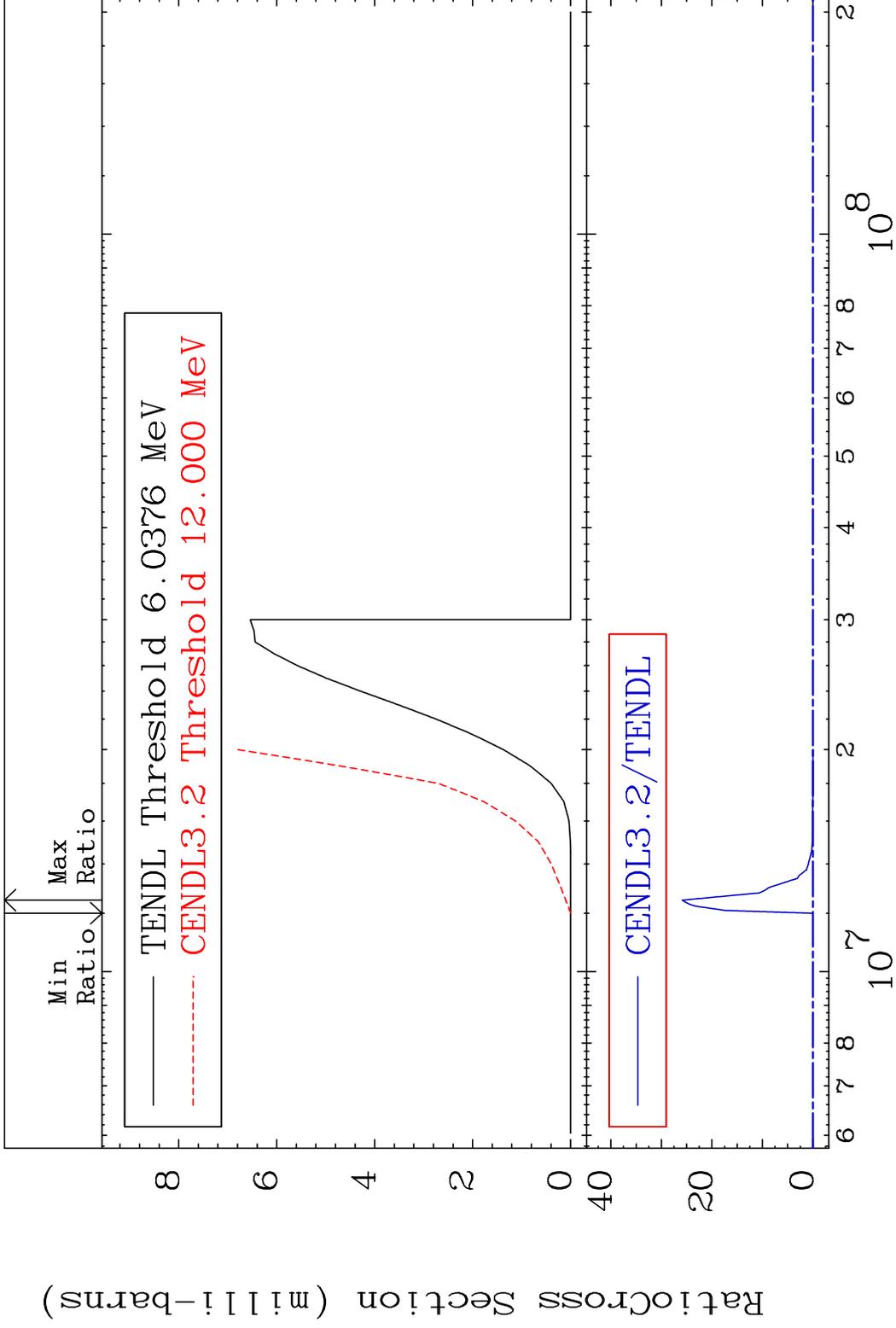
82-Pb-204

MAT 8225

(n, t)

82-Pb-204

Cross Section -100.0 To 9999. %



21

Incident Energy (eV)

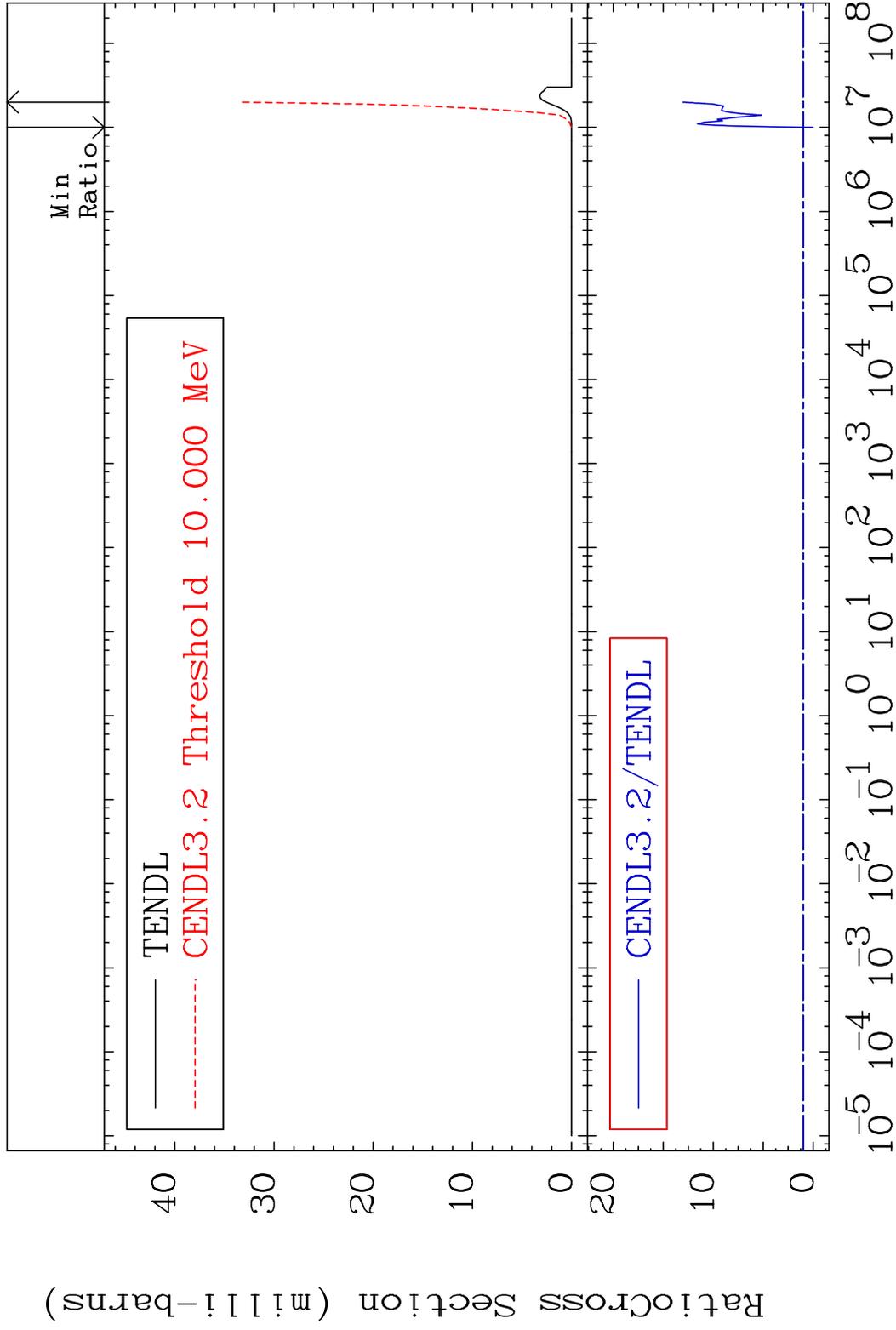
82-Pb-204

MAT 8225

(n,  $\alpha$ )

82-Pb-204

Cross Section -100.0 To 1204. %



22

Incident Energy (eV)

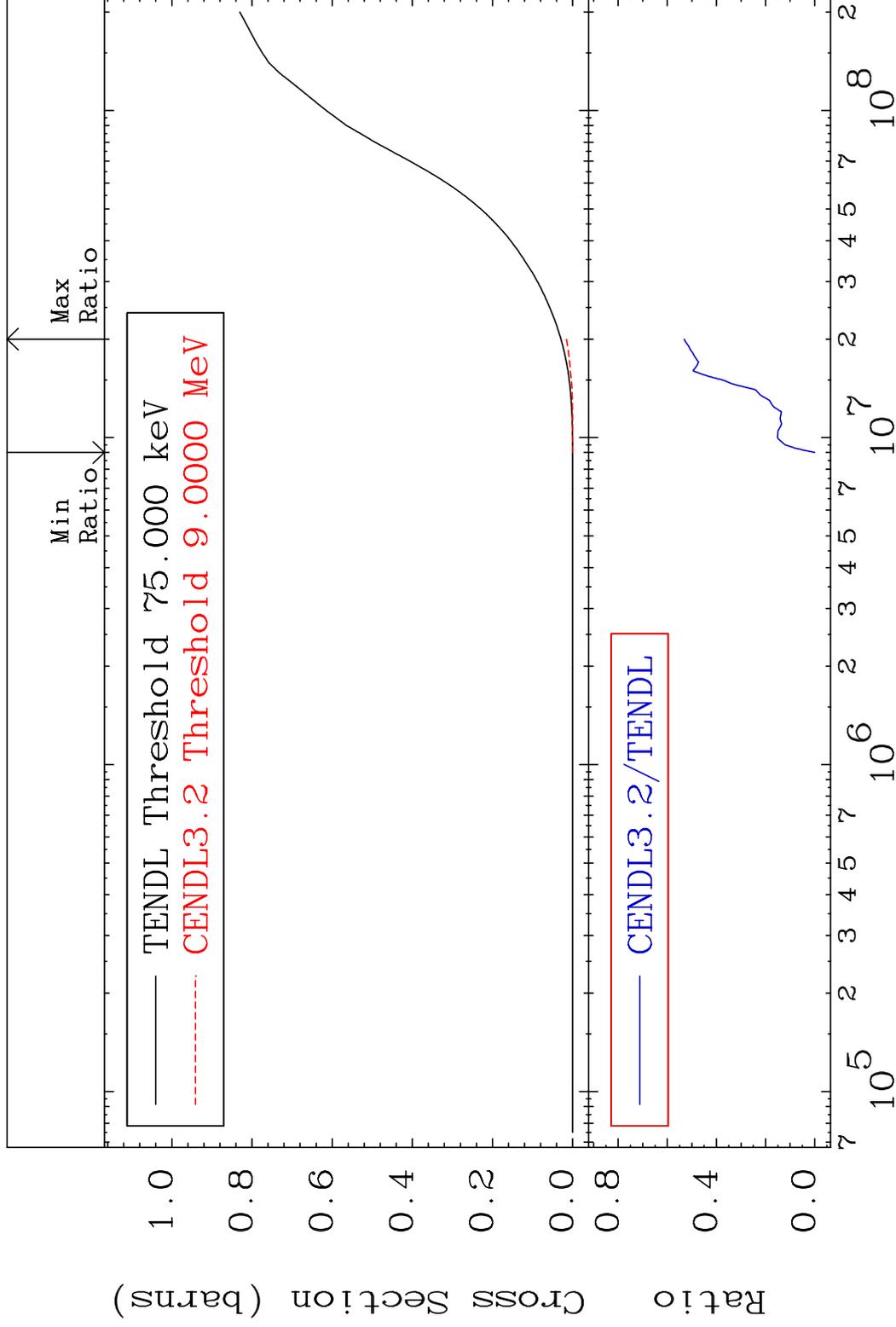
82-Pb-204

MAT 8225

Hydrogen Production

82-Pb-204

Cross Section -100.0 To -46.85%



23

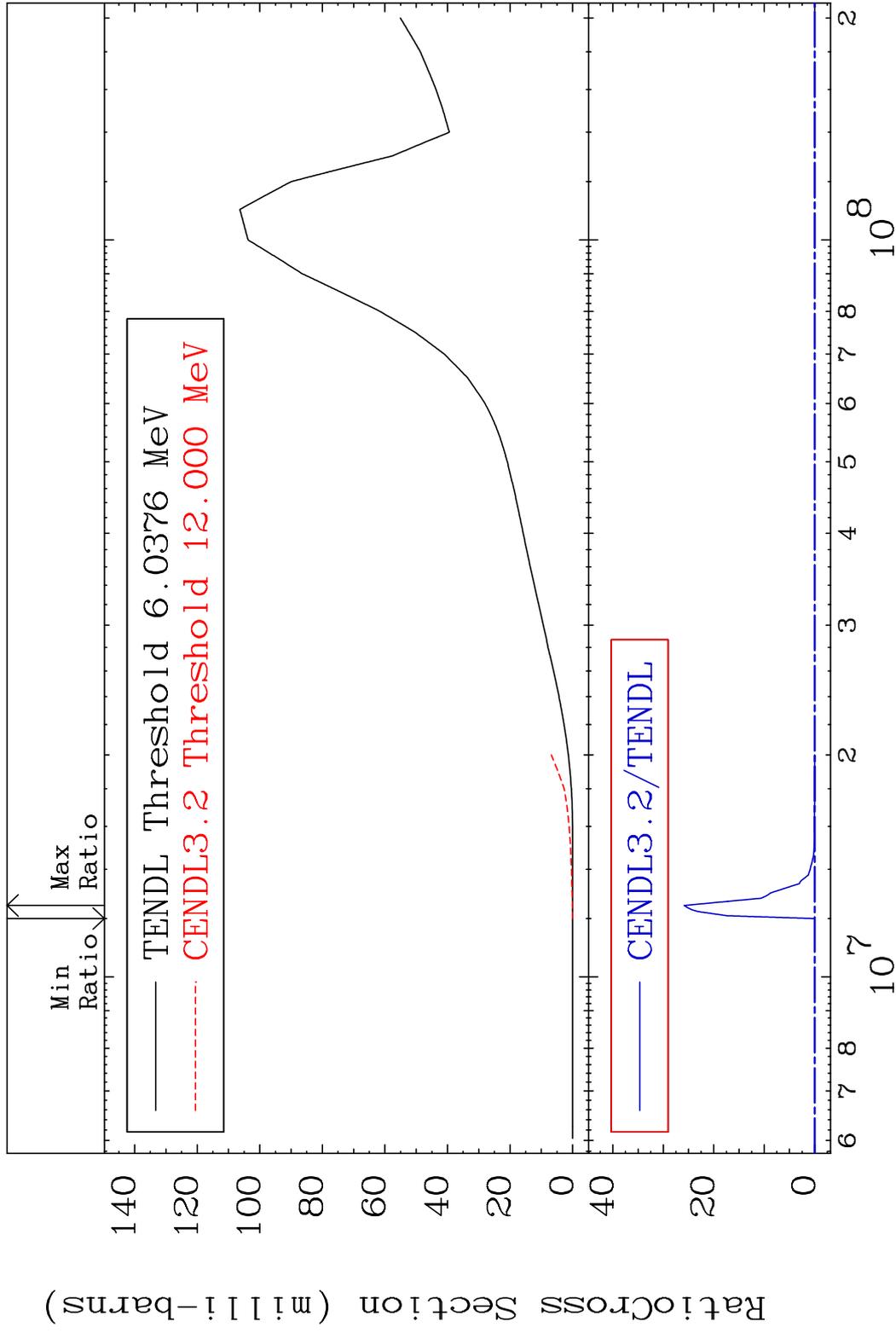
Incident Energy (eV)

82-Pb-204

MAT 8225

Tritium Production 82-Pb-204

Cross Section -100.0 To 9999. %



24

Incident Energy (eV)

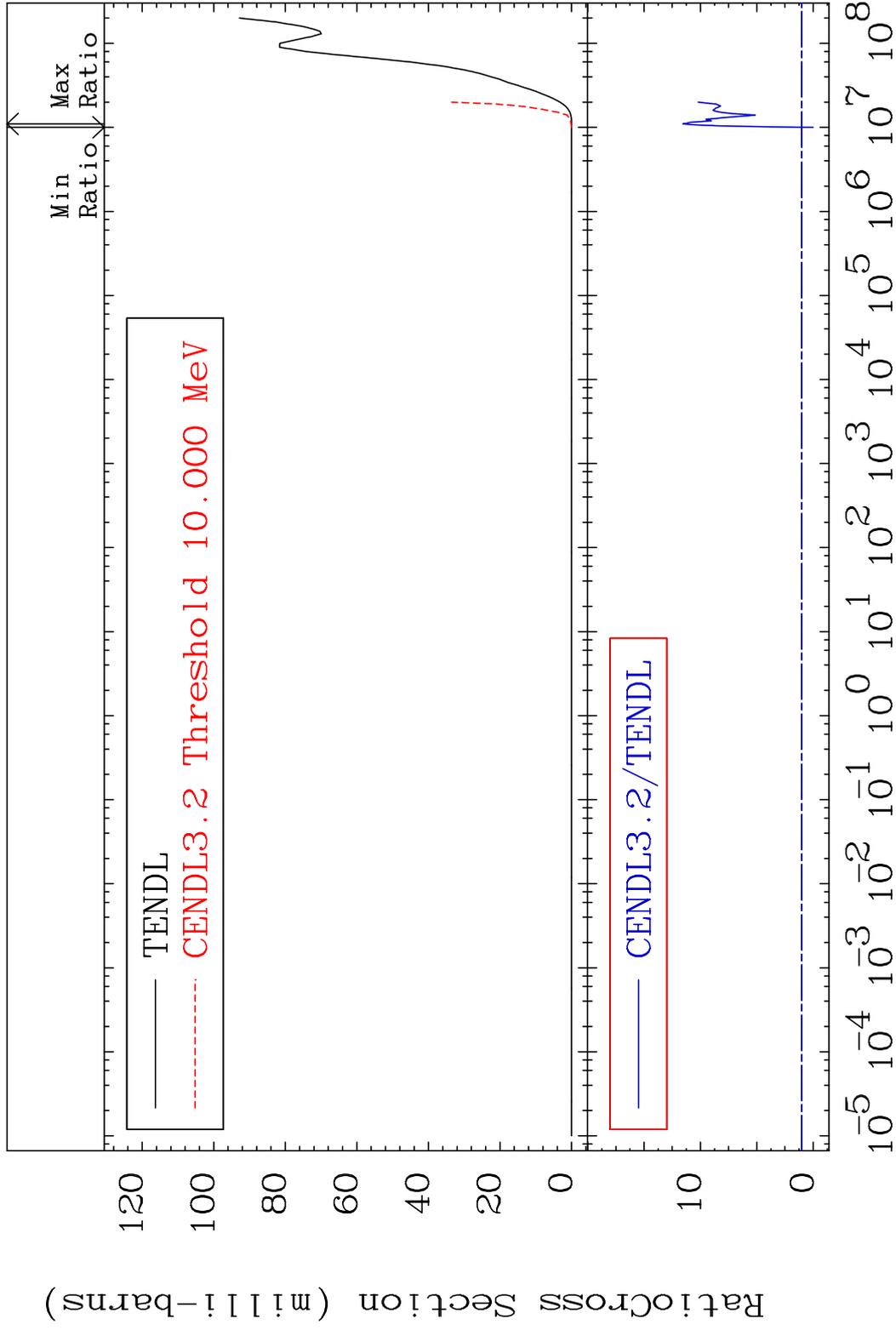
82-Pb-204

MAT 8225

He-4 Production

82-Pb-204

Cross Section -100.0 To 1056. %



25

Incident Energy (eV)

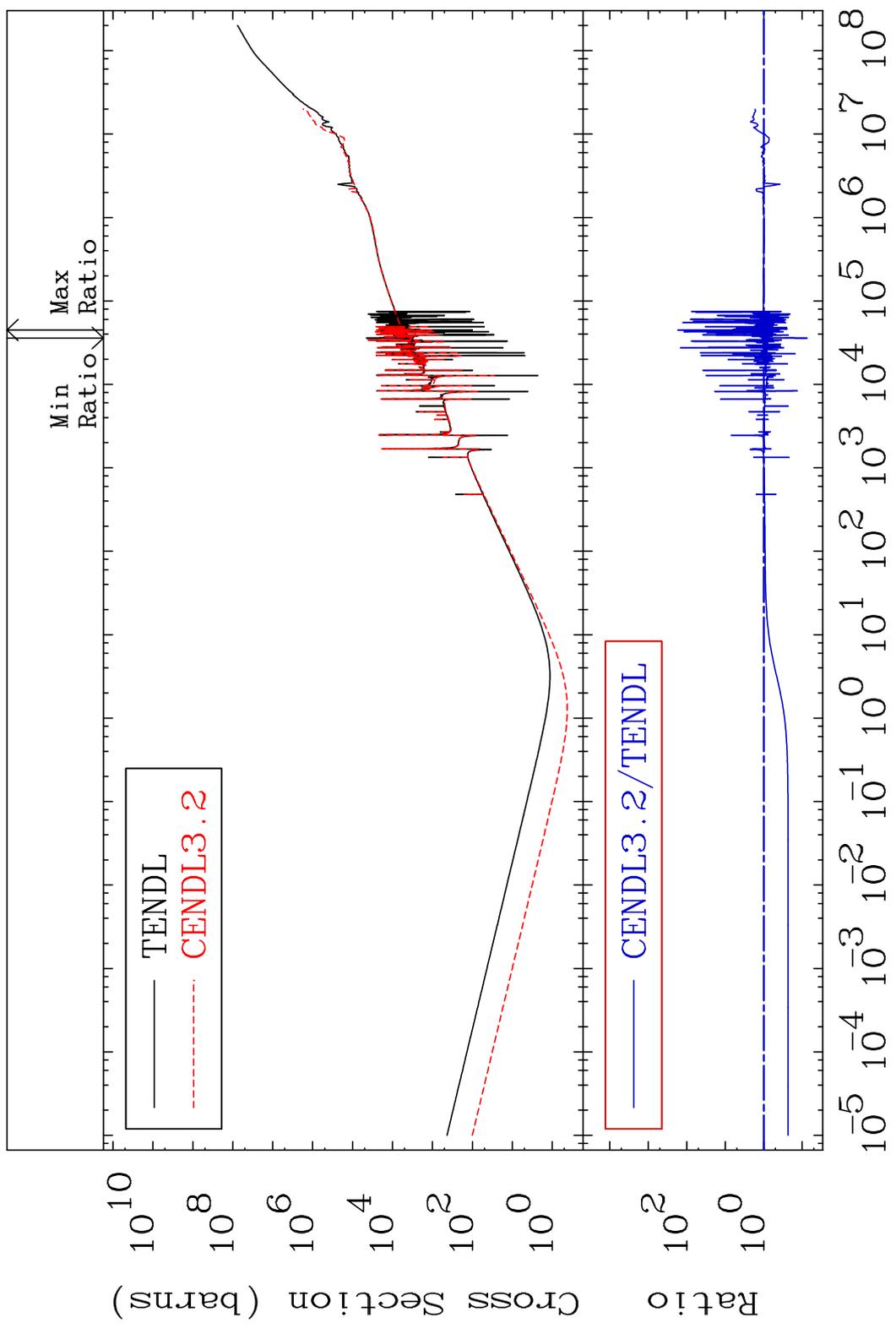
82-Pb-204

MAT 8225

Kerma total (eV-barns)

82-Pb-204

Cross Section -92.50 To 9999. %



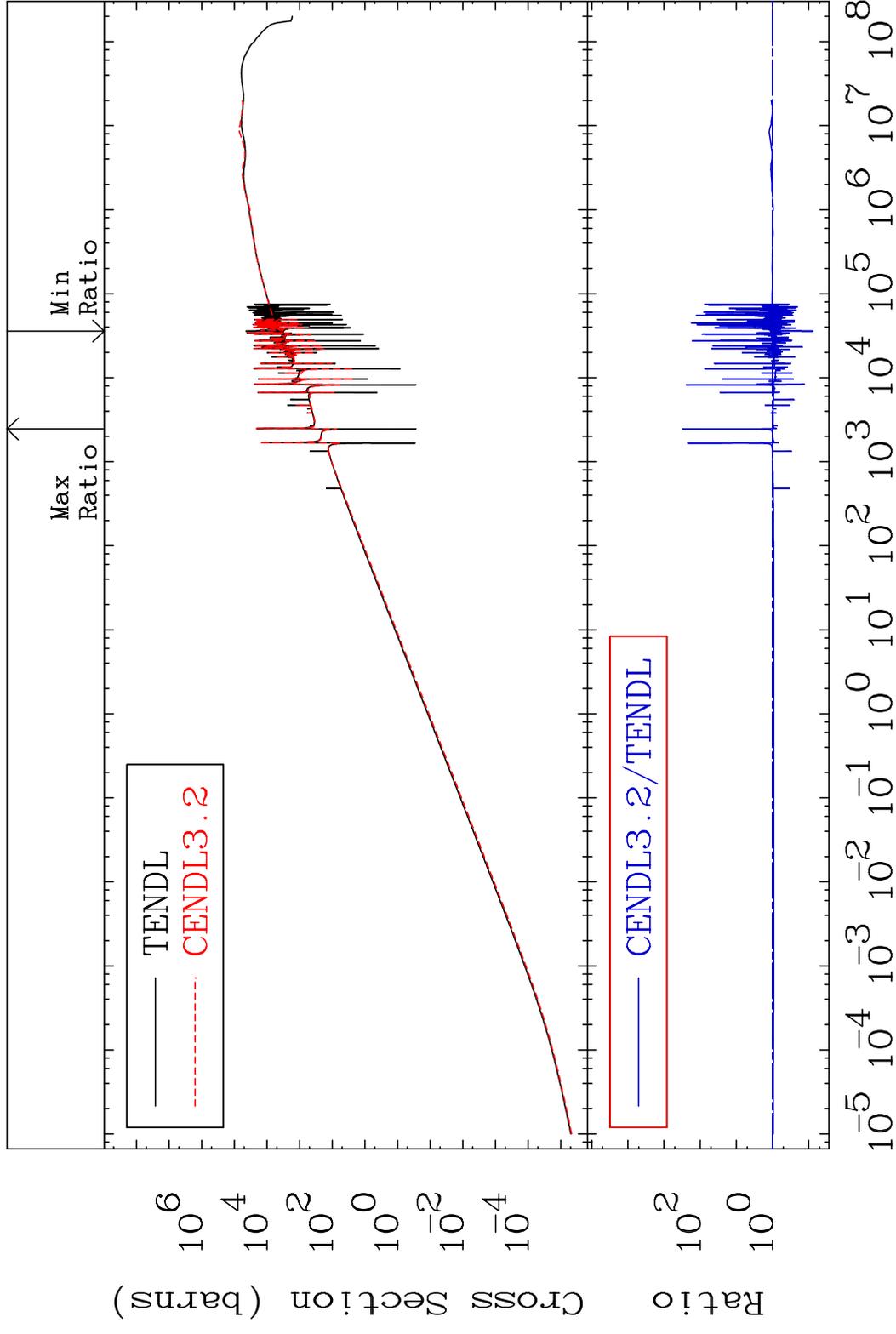
26

Incident Energy (eV)

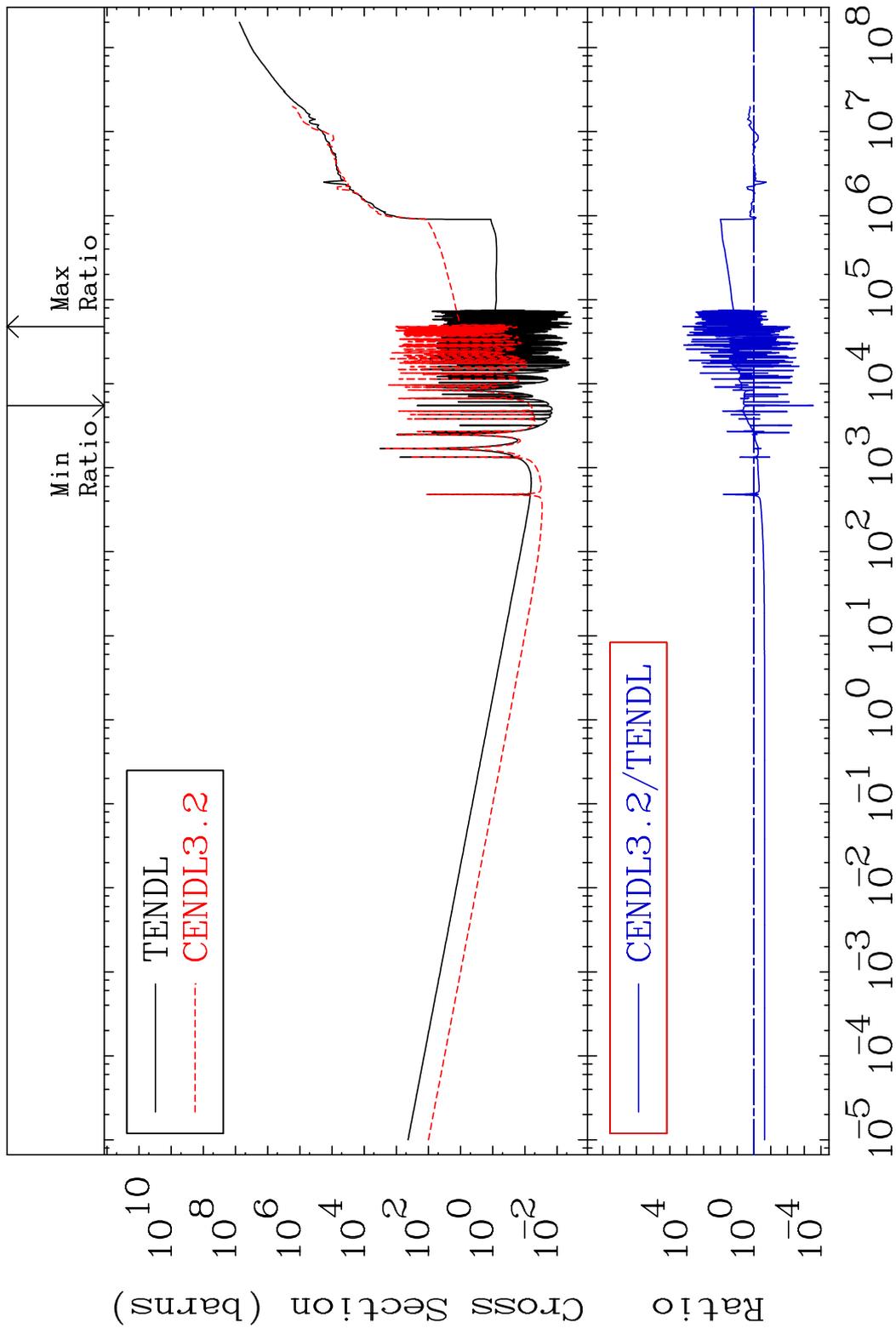
82-Pb-204

MAT 8225

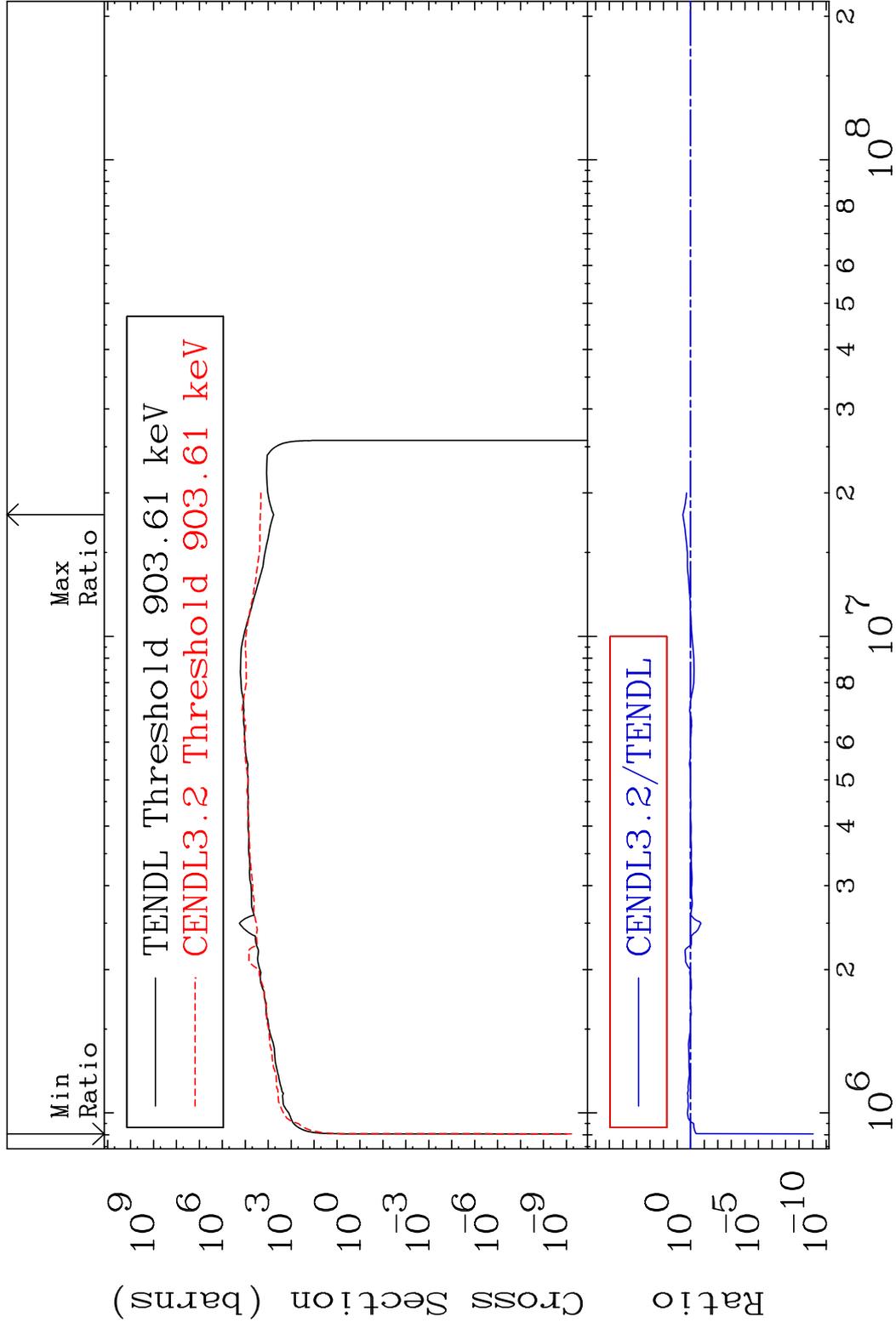
Kerma elastic Cross Section -92.50 To 9999. %  
82-Pb-204



MAT 8225 Kerma non-elastic (all but mt2) 82-Pb-204  
 Cross Section -99.97 To 9999. %

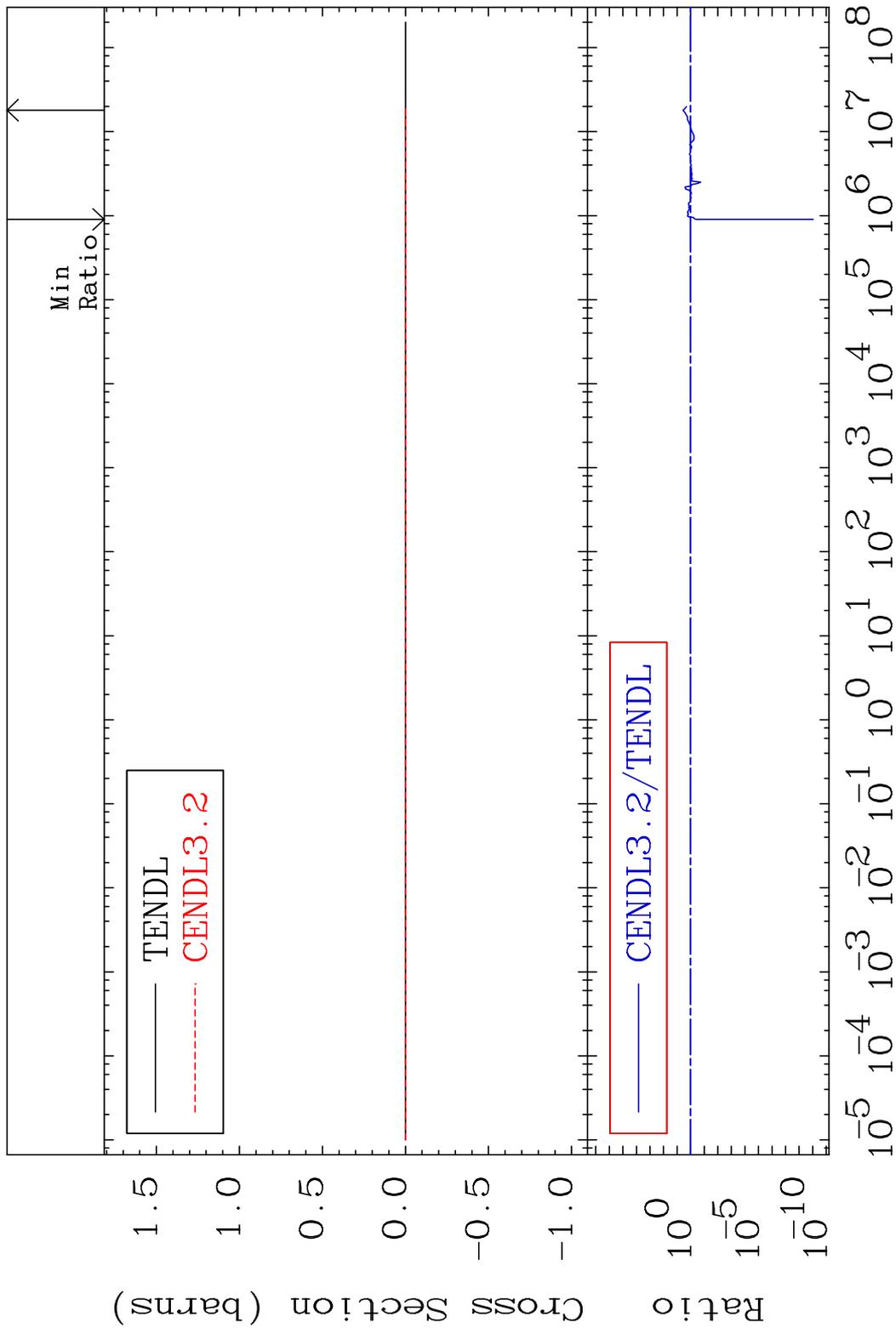


MAT 8225 Kerma inelastic (mt51-91) 82-Pb-204  
 Cross Section -100.0 To 278.6 %



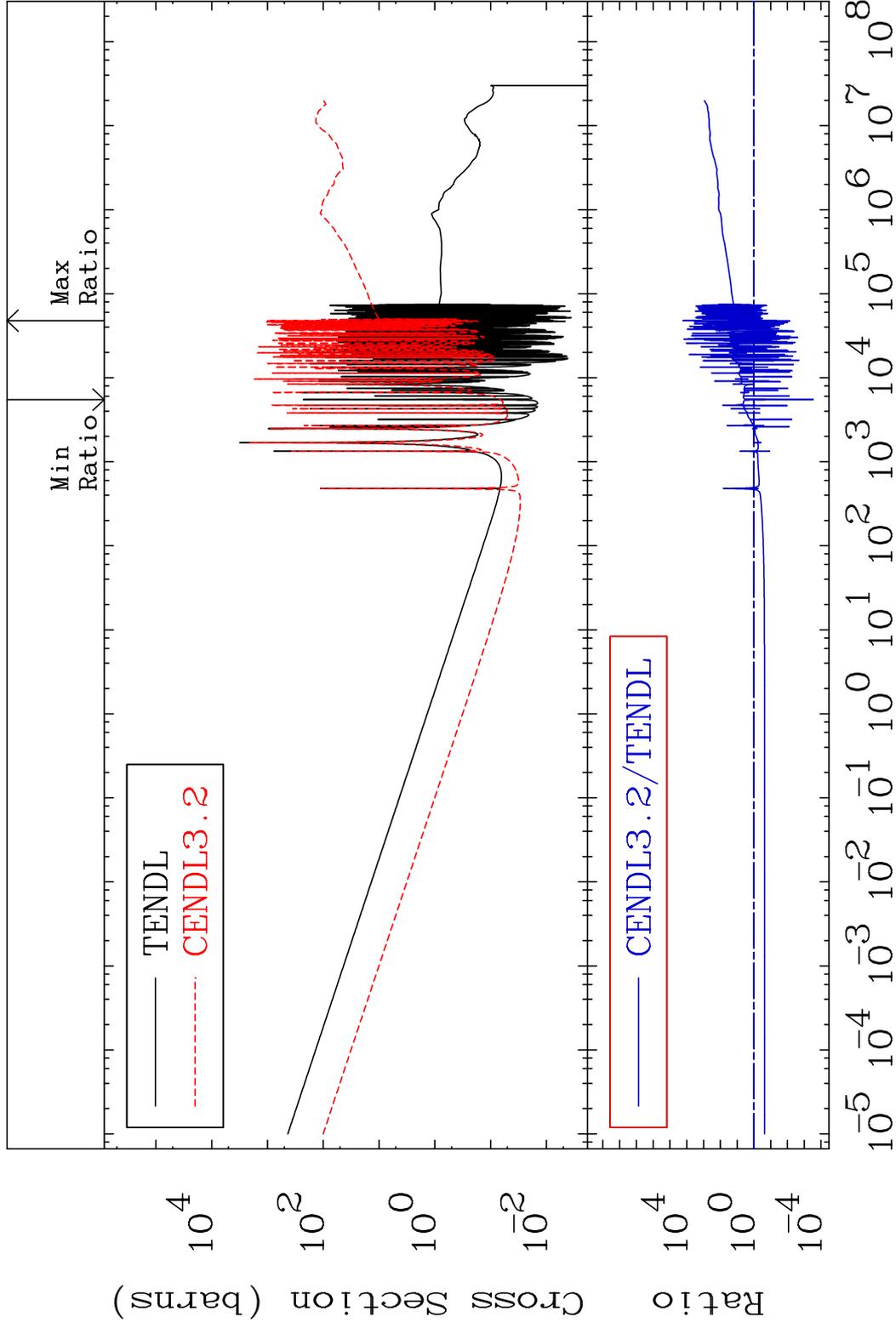
29 Incident Energy (eV) 82-Pb-204

MAT 8225 Kerma fission (mt18 or mt19-20-21-38) $\beta$ 2-Pb-204  
 Cross Section -100.0 To 278.6 %

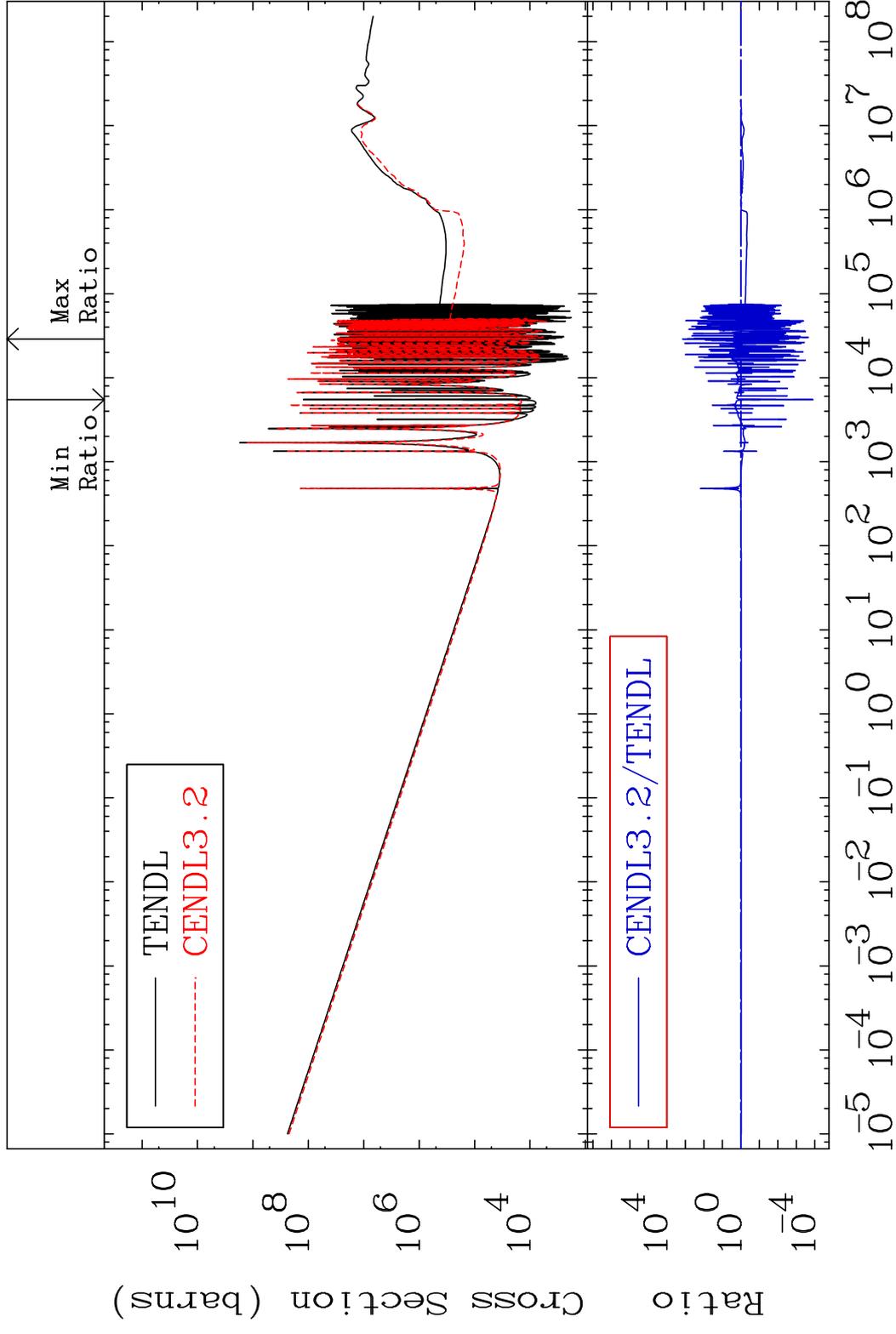


MAT 8225

Kerma capture (mt102) 82-Pb-204  
Cross Section -99.97 To 9999. %

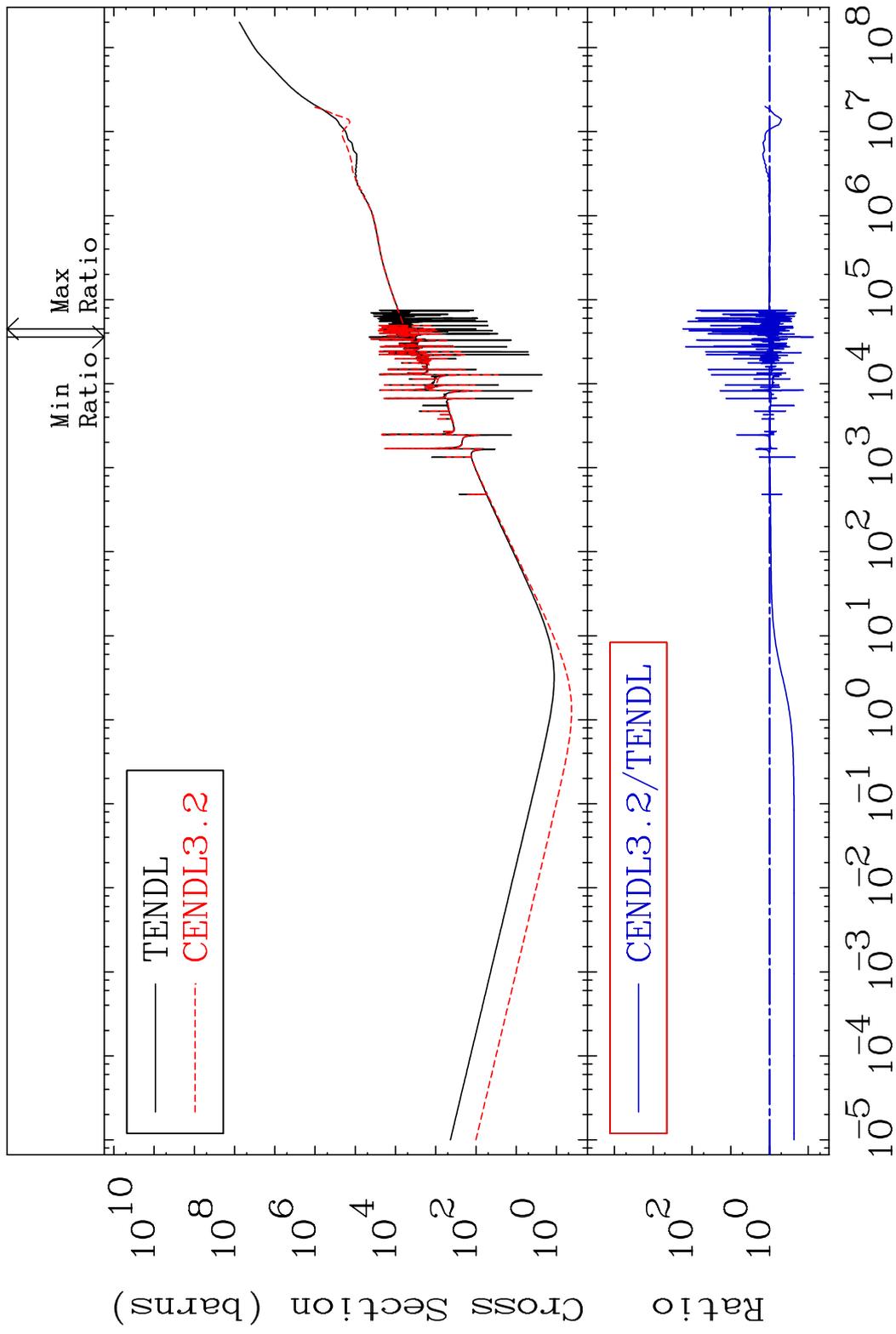


MAT 8225 Total photon (eV-barns) 82-Pb-204  
 Cross Section -99.99 To 9999. %

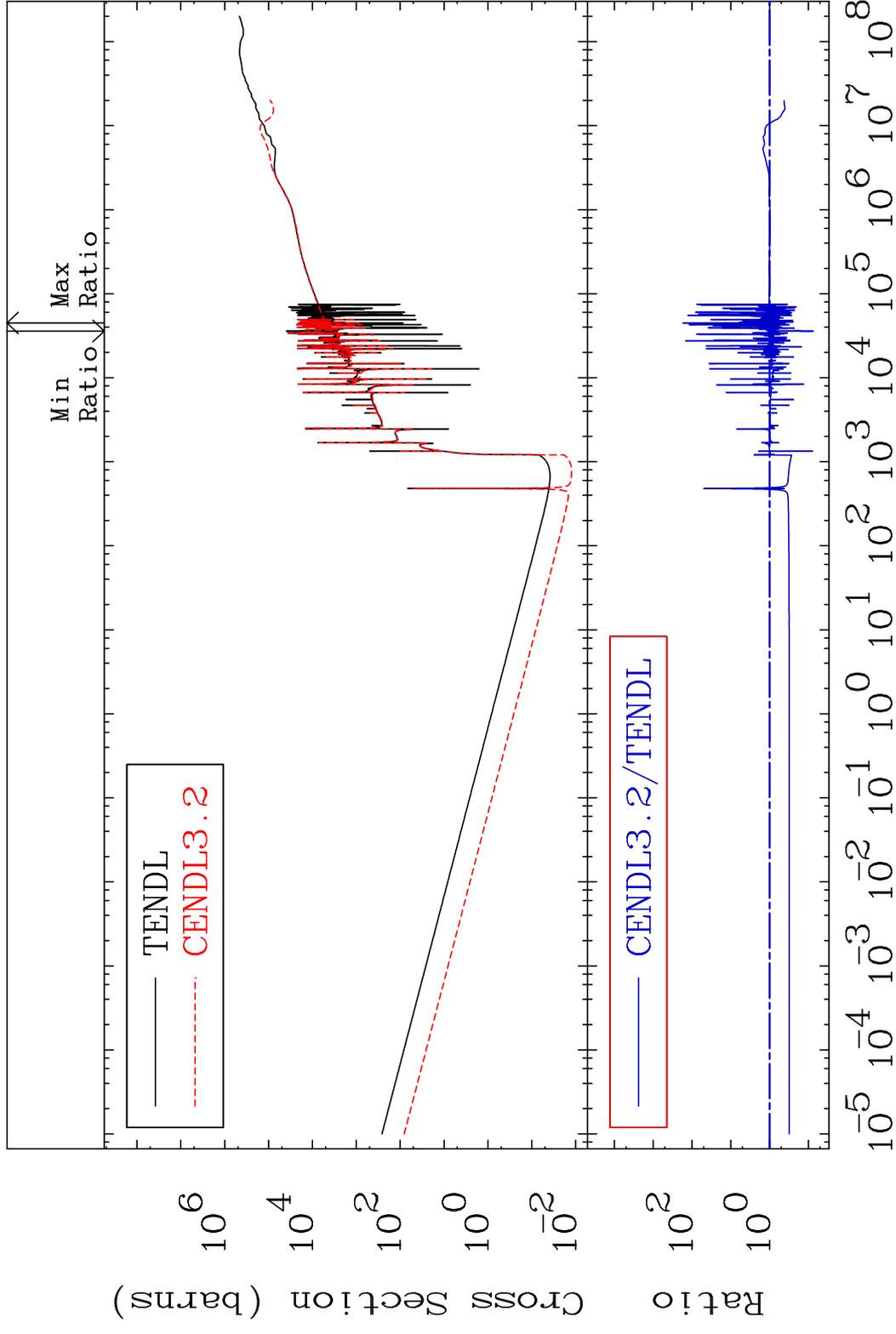


32 Incident Energy (eV) 82-Pb-204

MAT 8225 Total kinematic kerma (high limit) 82-Pb-204  
 Cross Section -92.50 To 9999. %



MAT 8225      Dpa total (eV-barns)      82-Pb-204  
 Cross Section      -92.50 To 9999. %

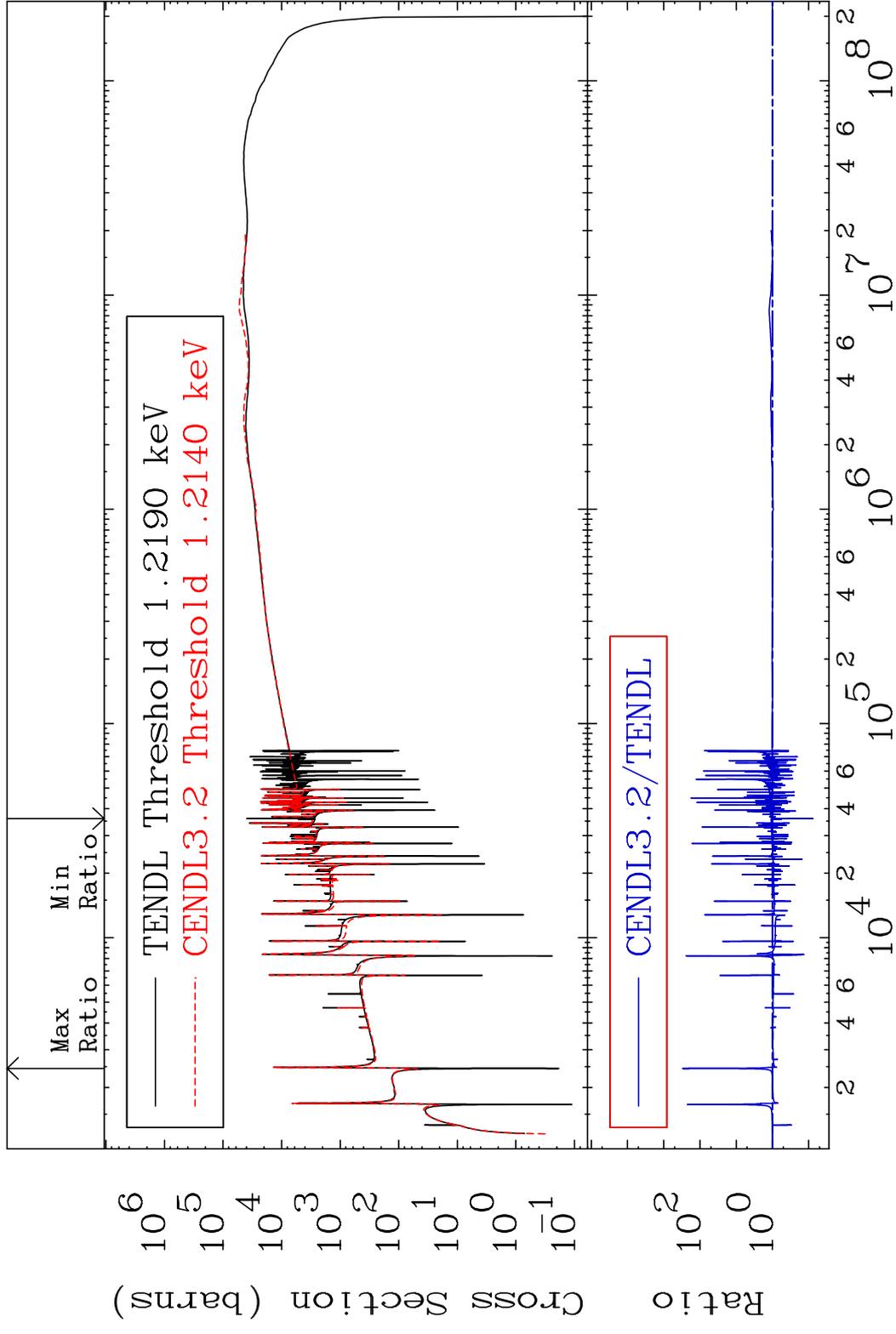


MAT 8225

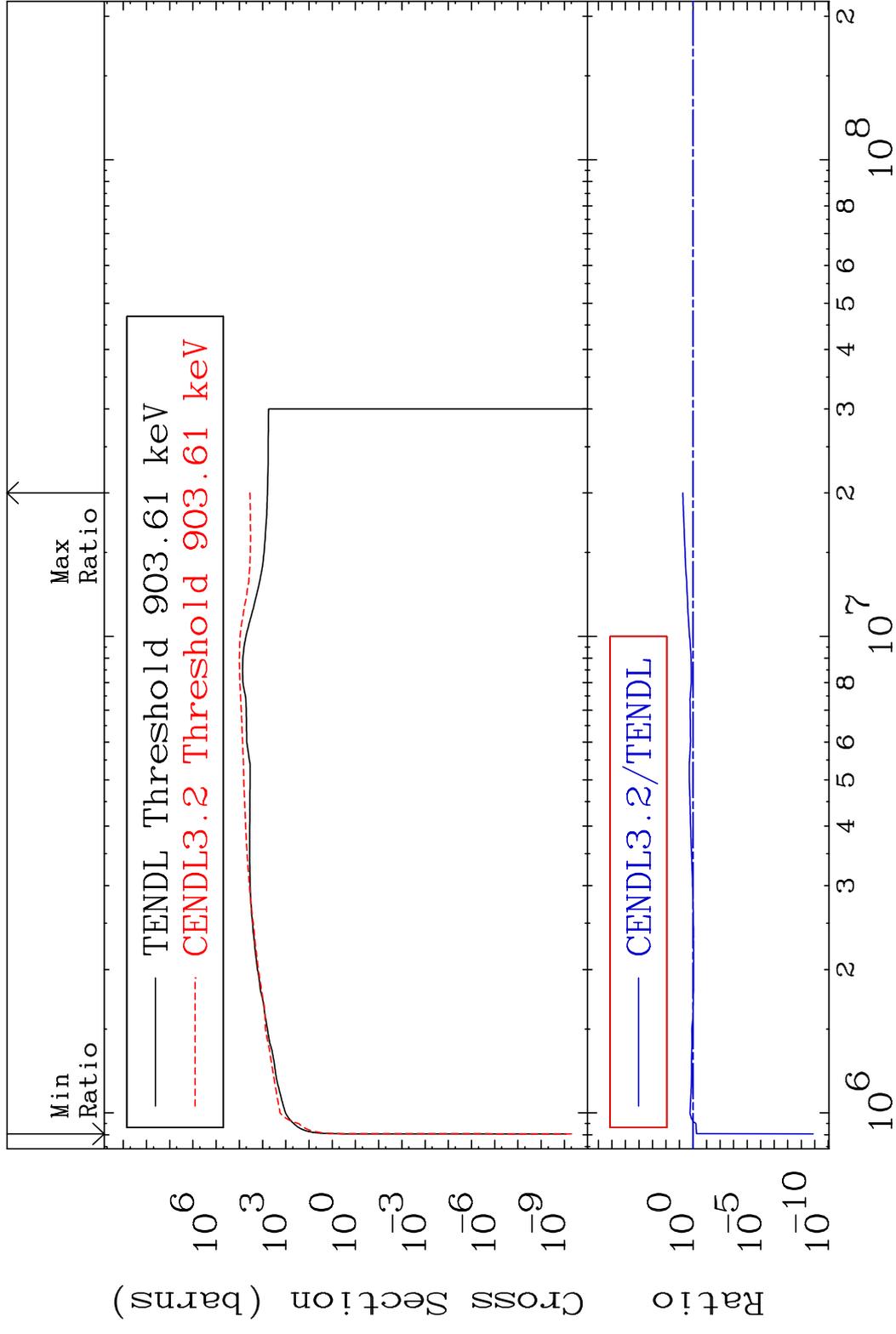
Dpa elastic (mt2)

82-Pb-204

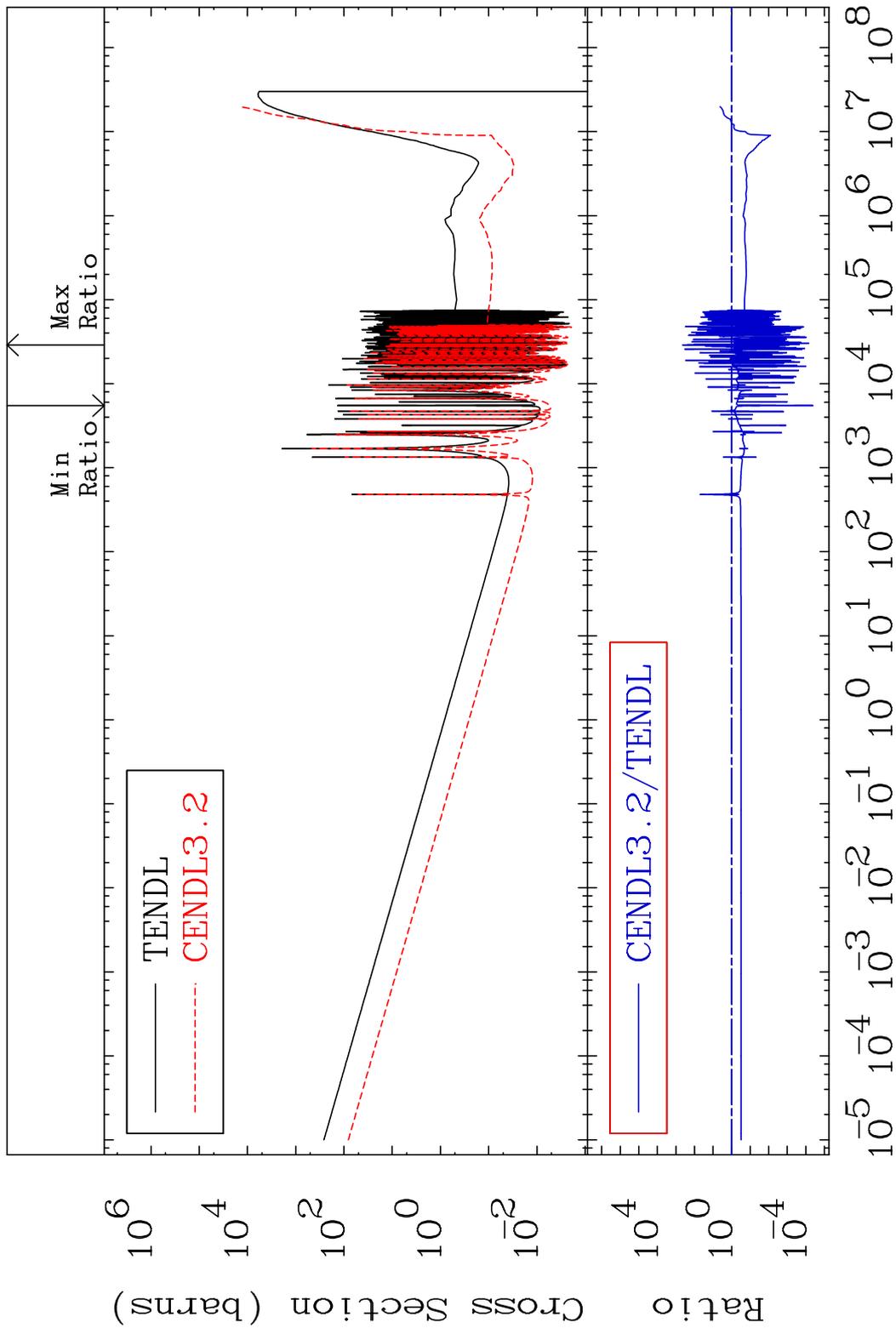
Cross Section -92.50 To 9999. %



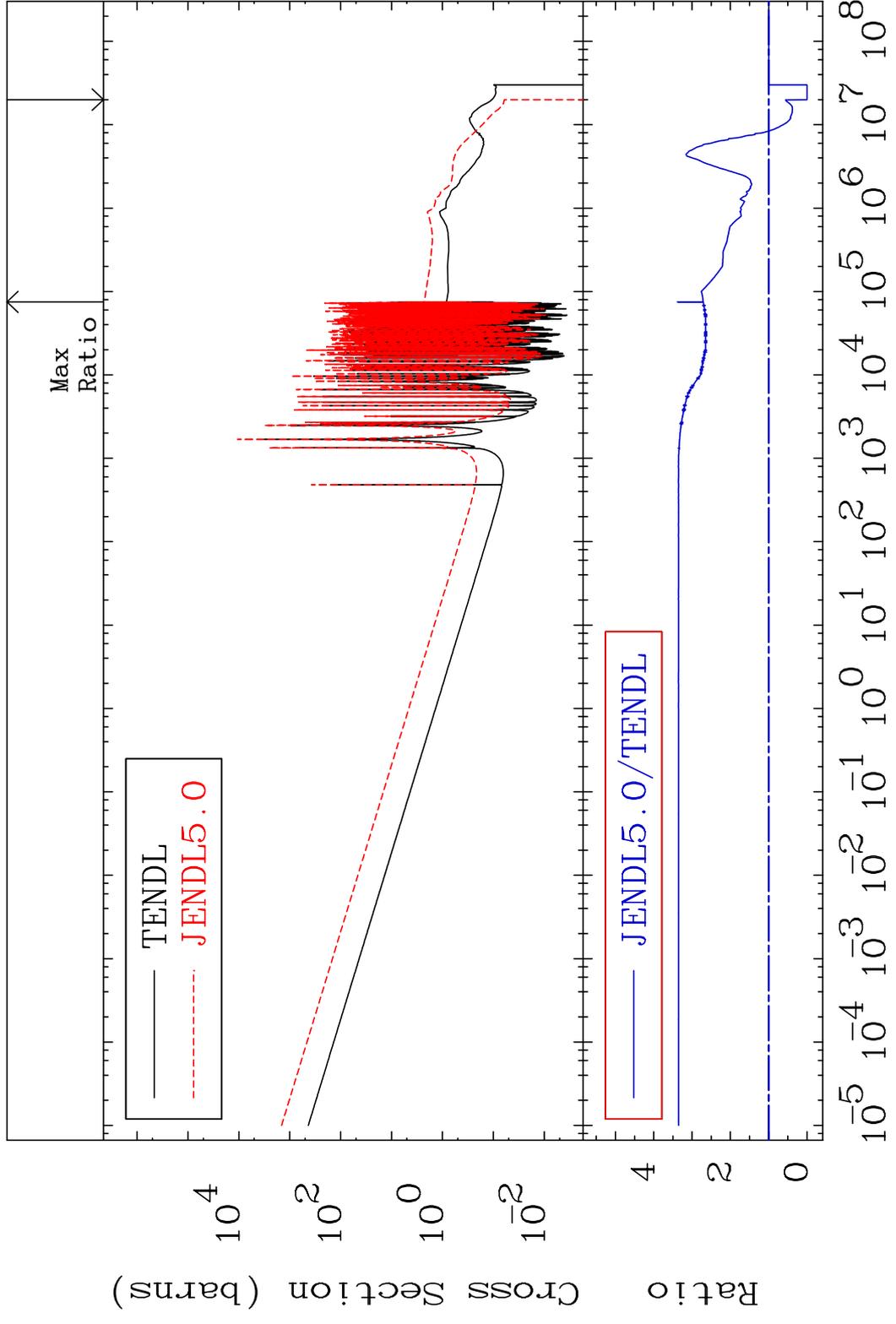
MAT 8225      Dpa inelastic (mt51-91)      82-Pb-204  
 Cross Section      -100.0 To 467.9 %



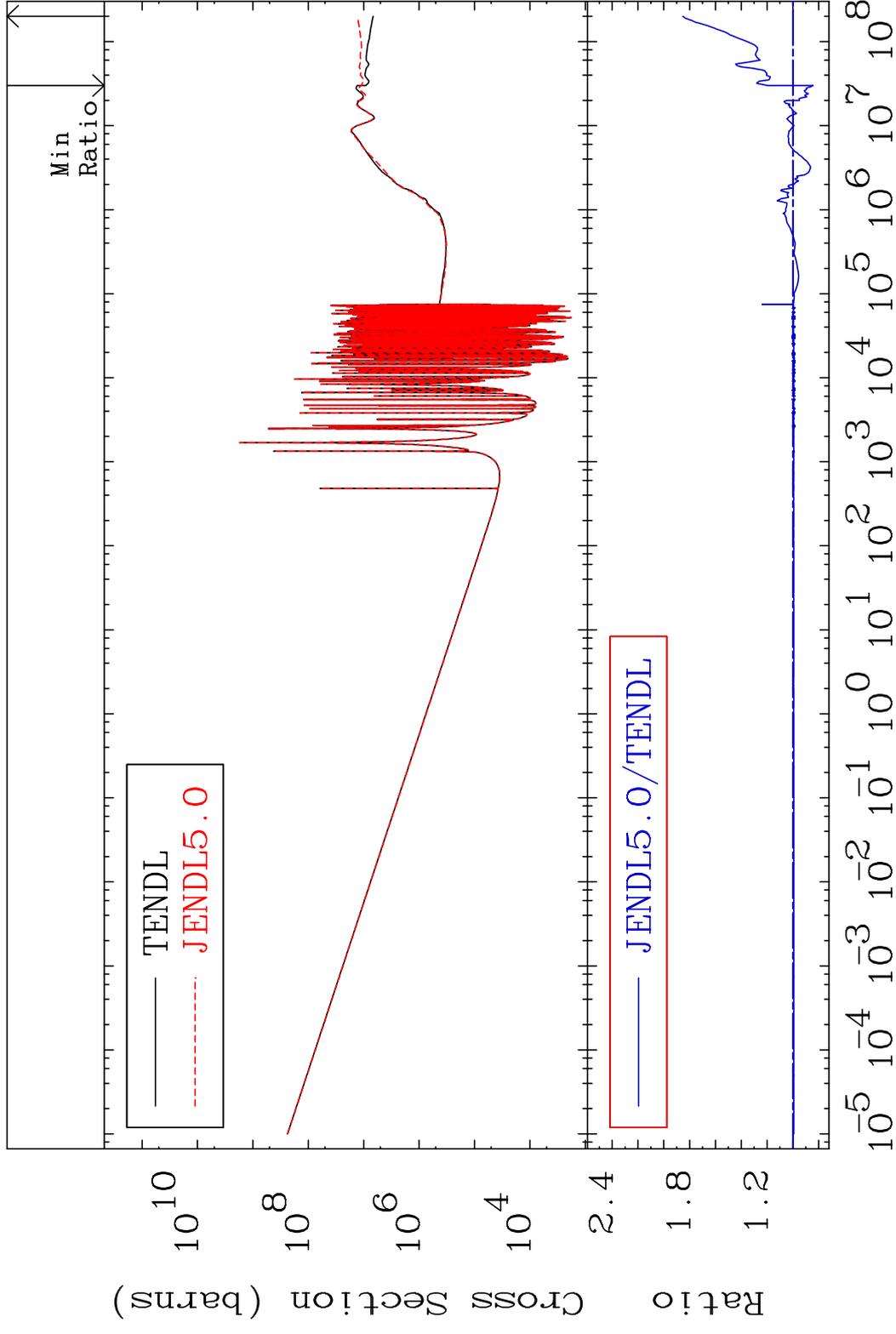
MAT 8225 Dpa disappearance (mt102 -120) 82-Pb-204  
 Cross Section -100.0 To 9999. %



MAT 8225 Kerma capture (mt102) 82-Pb-204  
 Cross Section -100.0 To 237.5 %

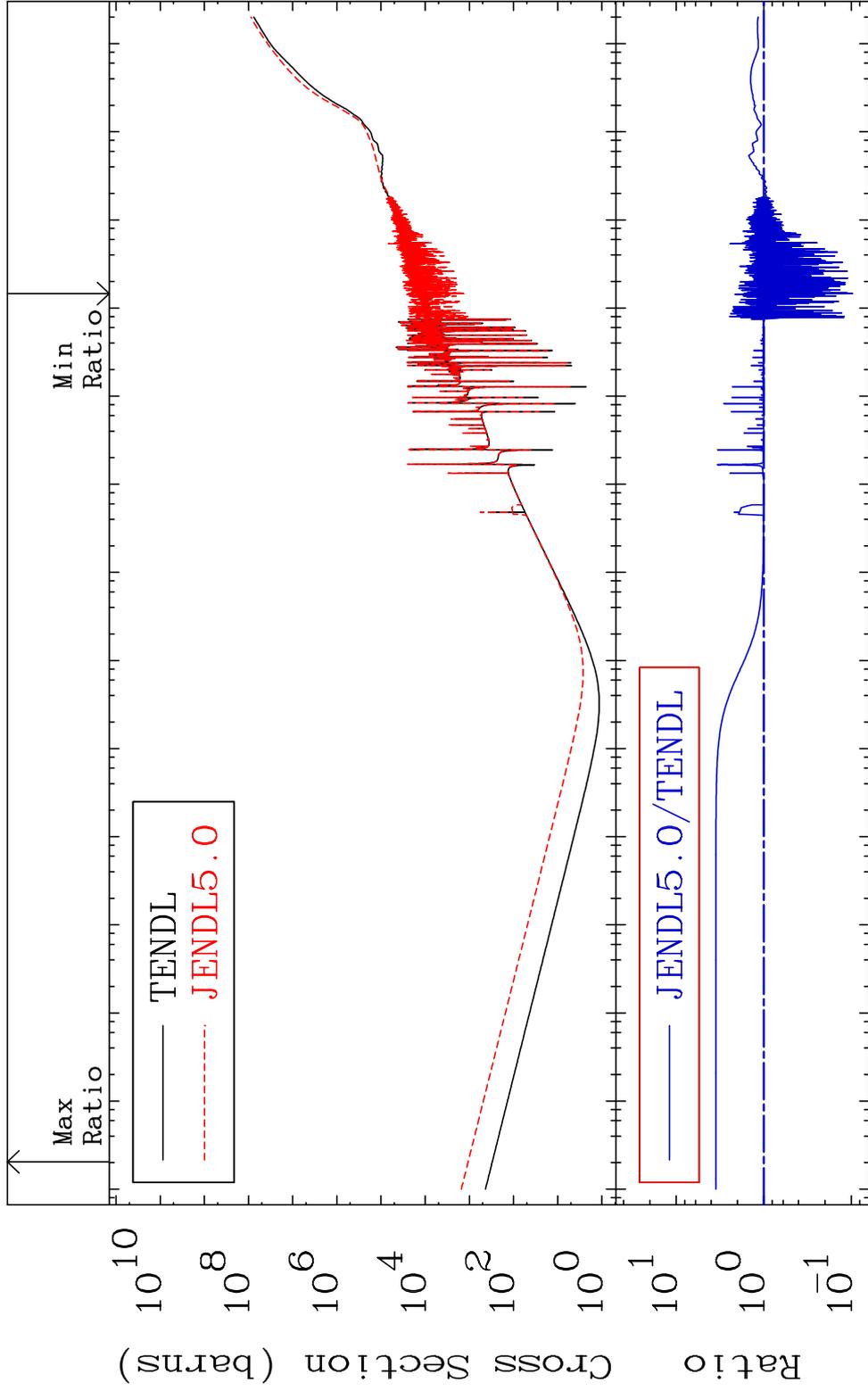


MAT 8225 Total photon (eV-barns) 82-Pb-204  
Cross Section -15.70 To 85.26 %



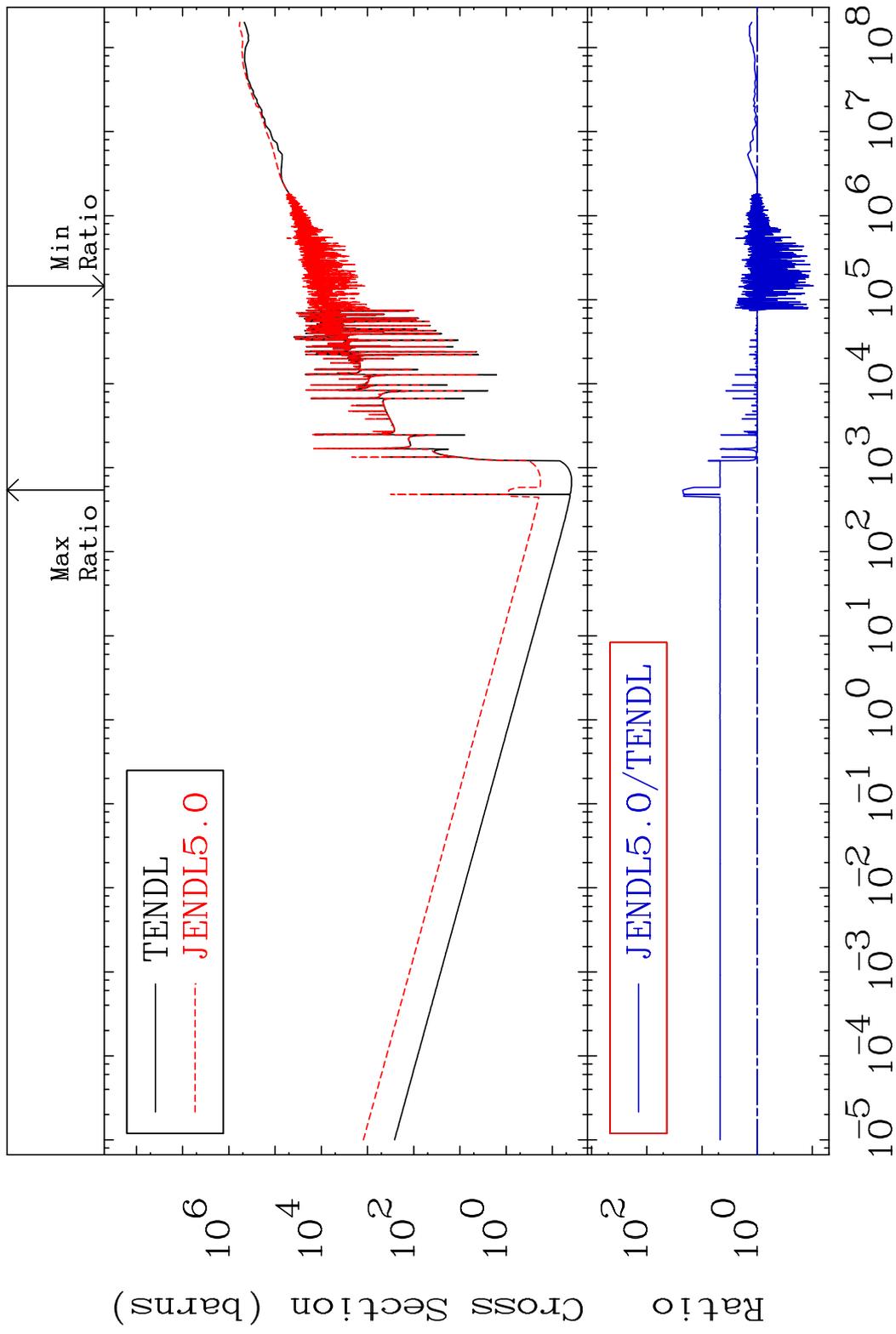
39 Incident Energy (eV) 82-Pb-204

MAT 8225 Total kinematic kerma (high limit) 82-Pb-204  
Cross Section -90.32 To 252.6 %



40 Incident Energy (eV) 82-Pb-204

MAT 8225      Dpa total (eV-barns)      82-Pb-204  
 Cross Section      -90.32 To 2118. %

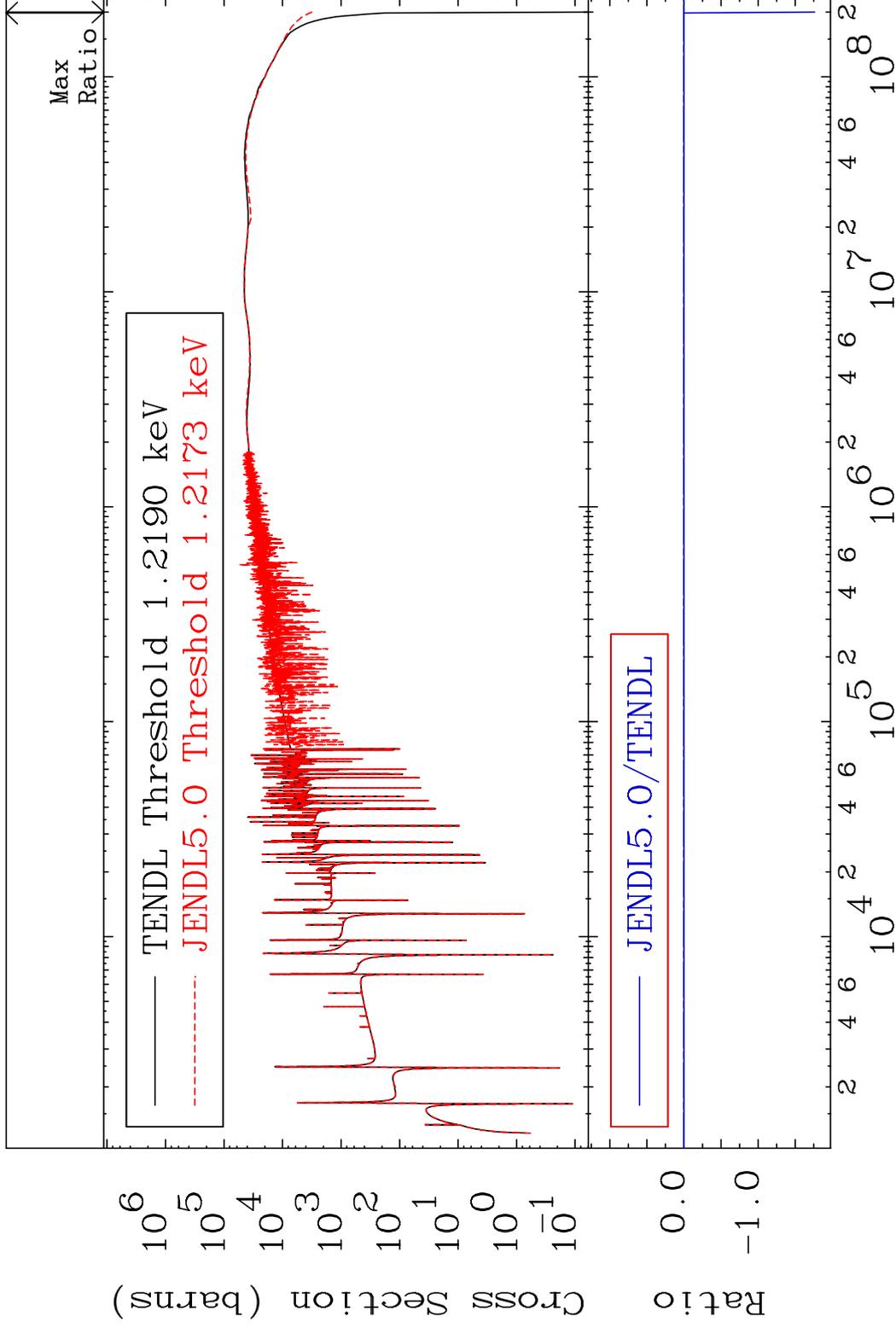


MAT 8225

Dpa elastic (mt2)

82-Pb-204

Cross Section -9999. To 1803. %

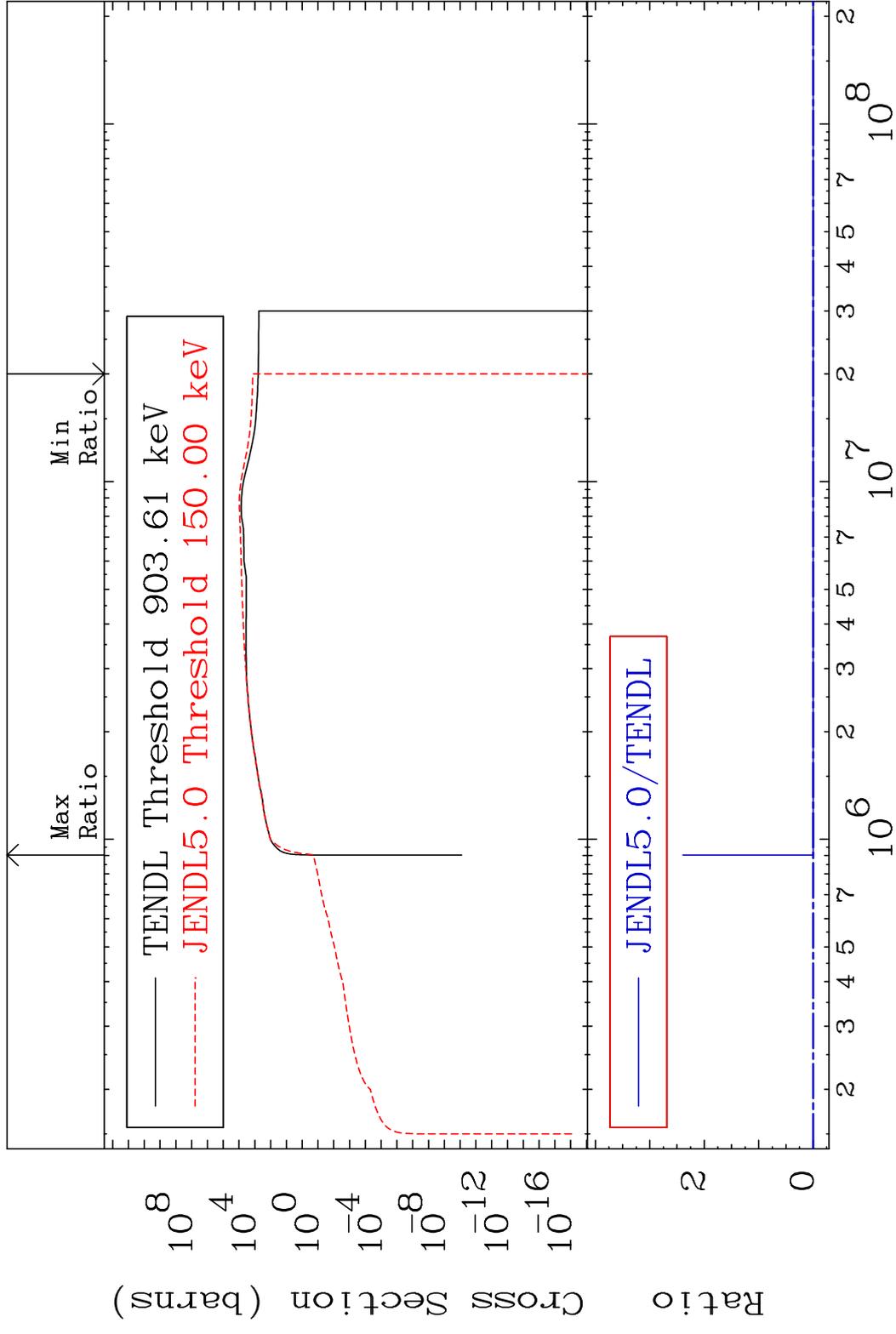


42

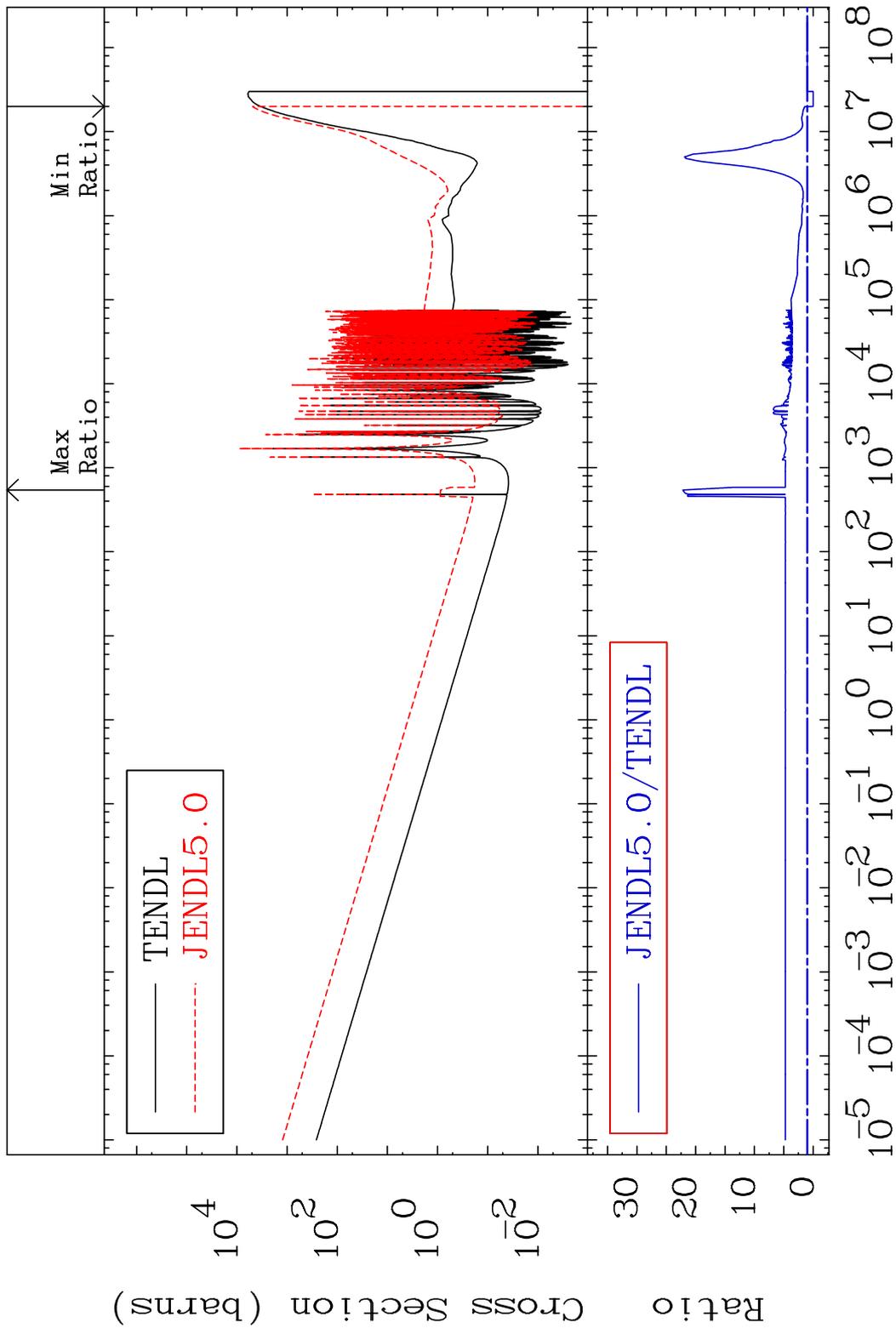
Incident Energy (eV)

82-Pb-204

MAT 8225 Dpa inelastic (mt51-91) 82-Pb-204  
 Cross Section -100.0 To 9999. %



MAT 8225 Dpa disappearance (mt102 -120) 82-Pb-204  
 Cross Section -100.0 To 2118. %



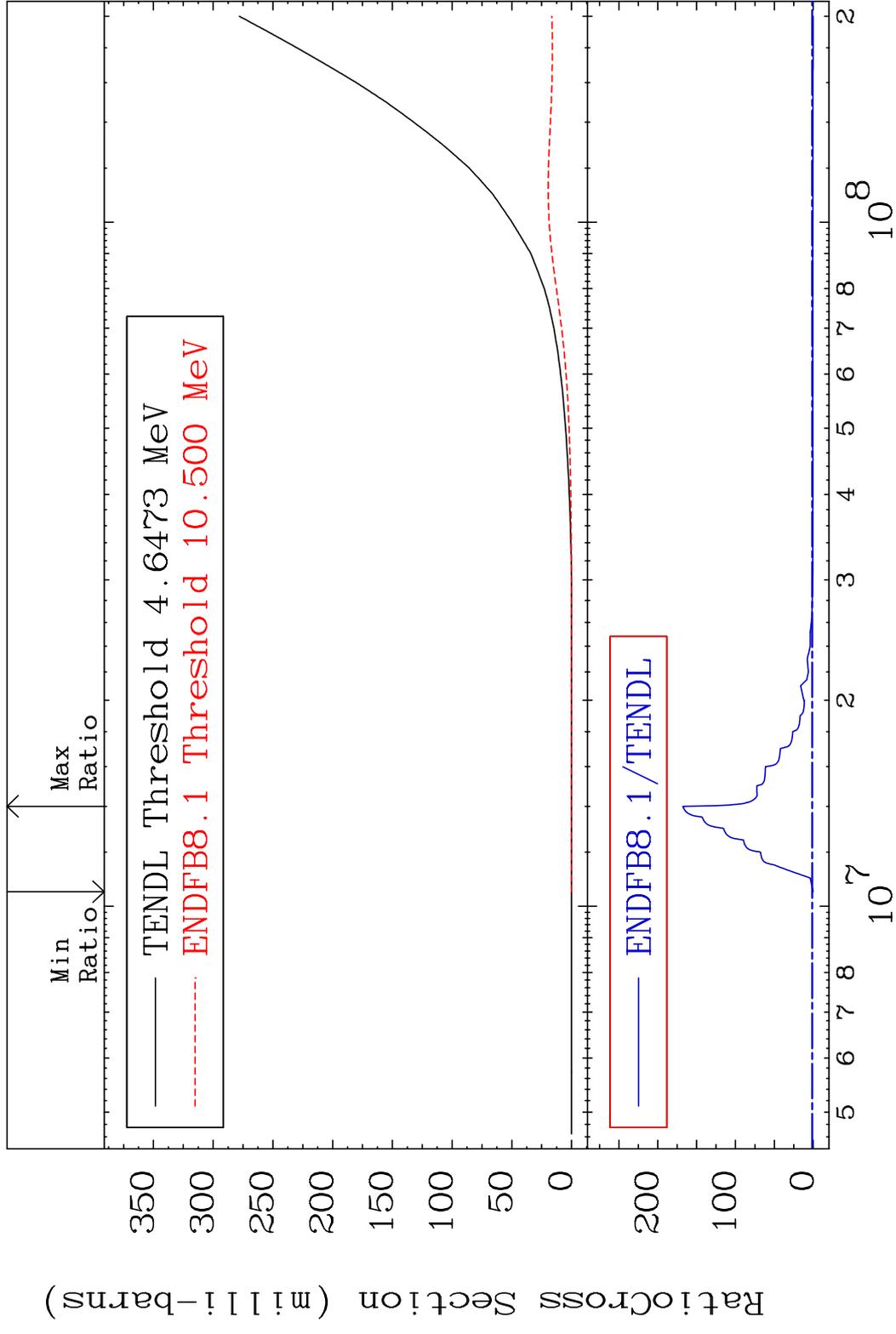
44 Incident Energy (eV) 82-Pb-204

MAT 8225

He-3 Production

82-Pb-204

Cross Section -100.0 To 9999. %



45

Incident Energy (eV)

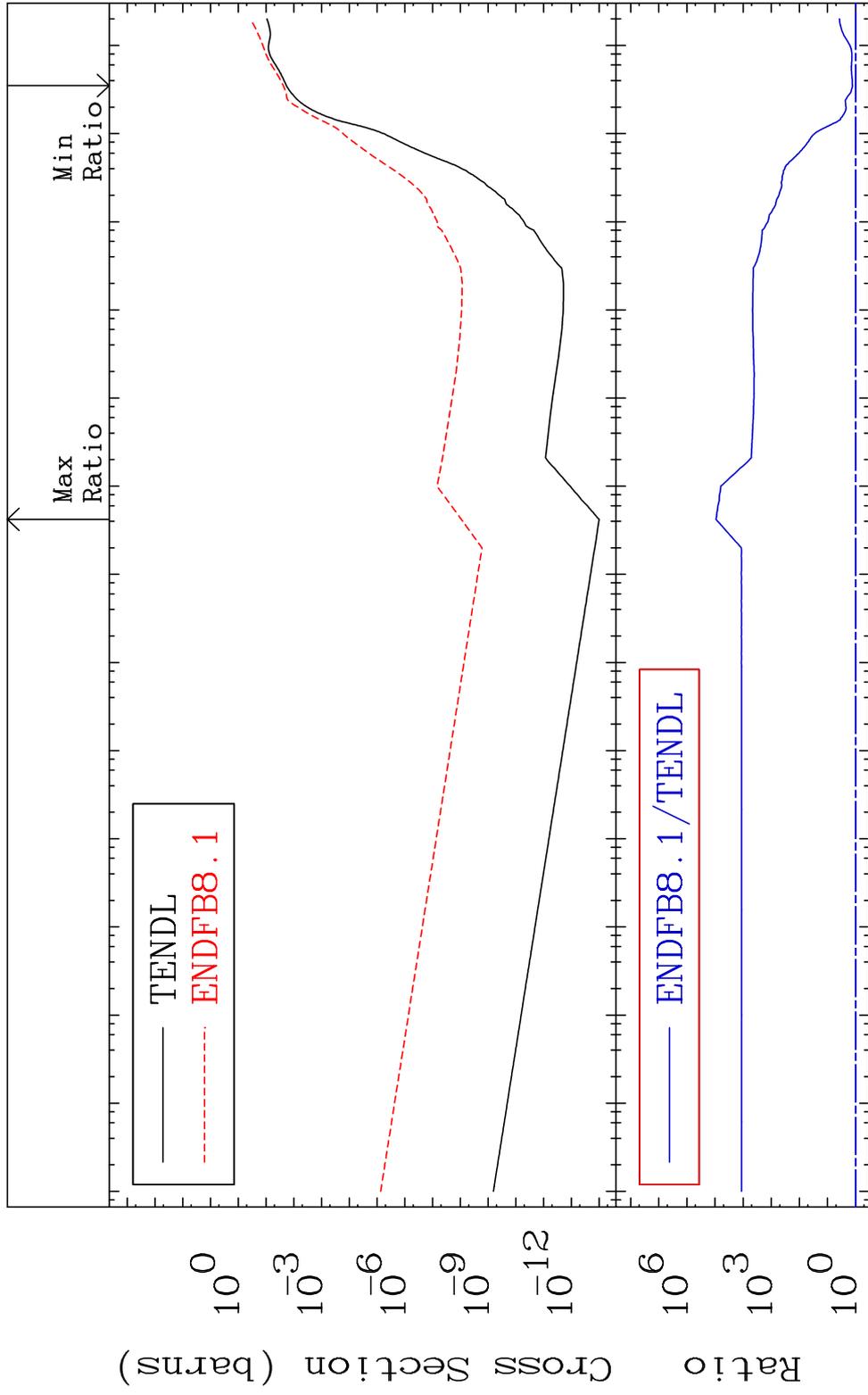
82-Pb-204

MAT 8225

He-4 Production

82-Pb-204

Cross Section 29.31 To 9999. %



10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

46

Incident Energy (eV)

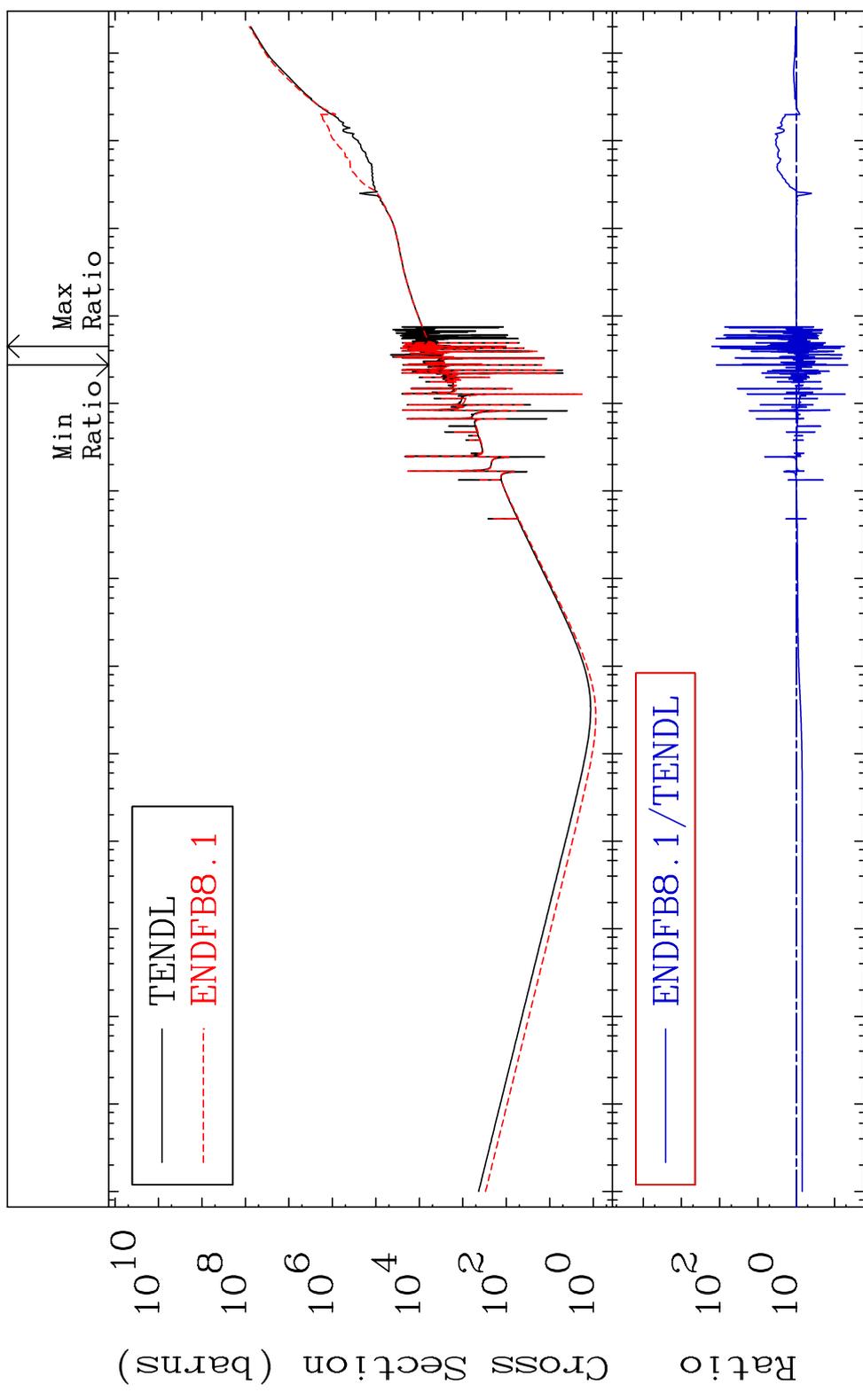
82-Pb-204

MAT 8225

Kerma total (eV-barns)

82-Pb-204

Cross Section -95.47 To 9999. %



47

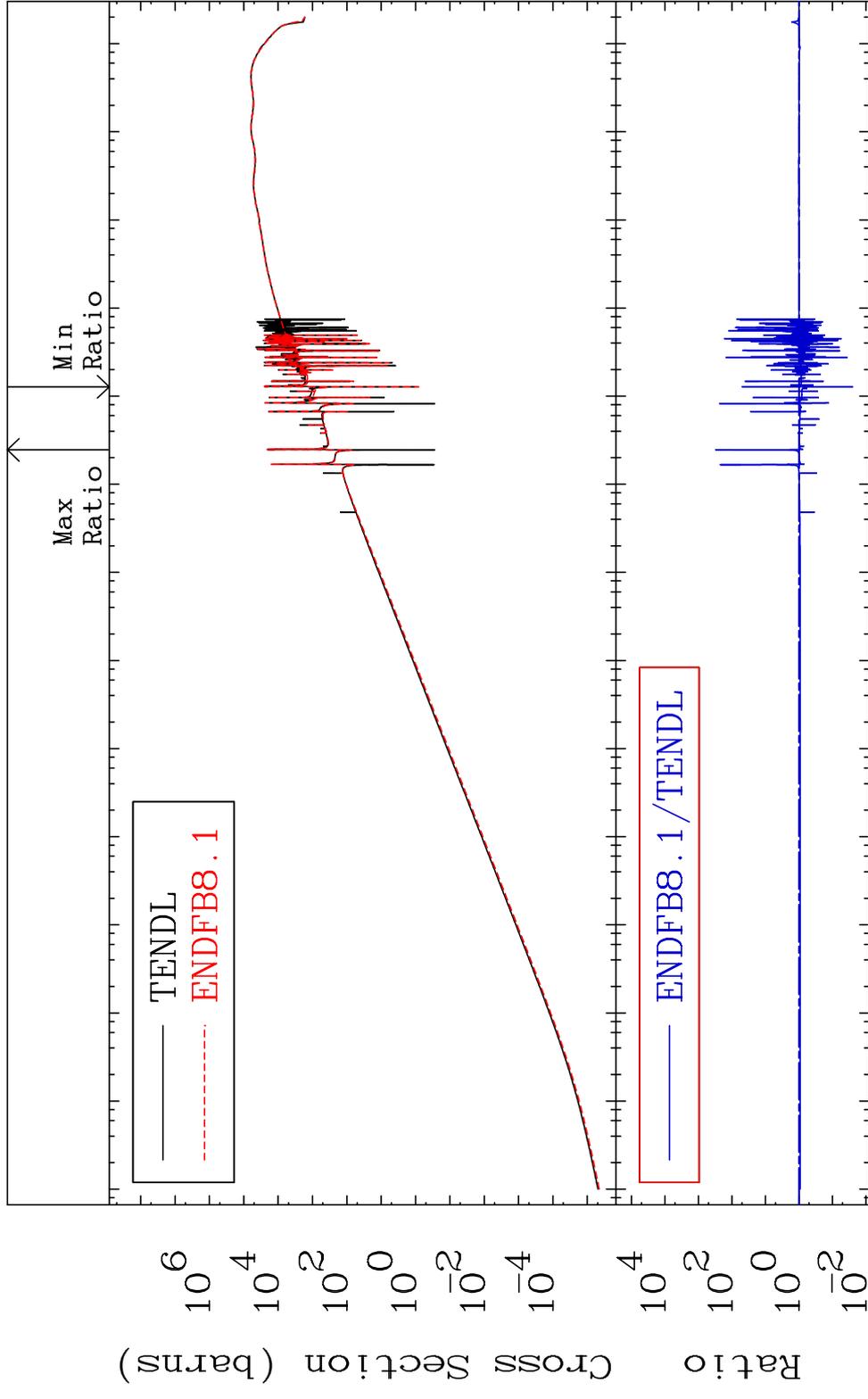
Incident Energy (eV)

82-Pb-204

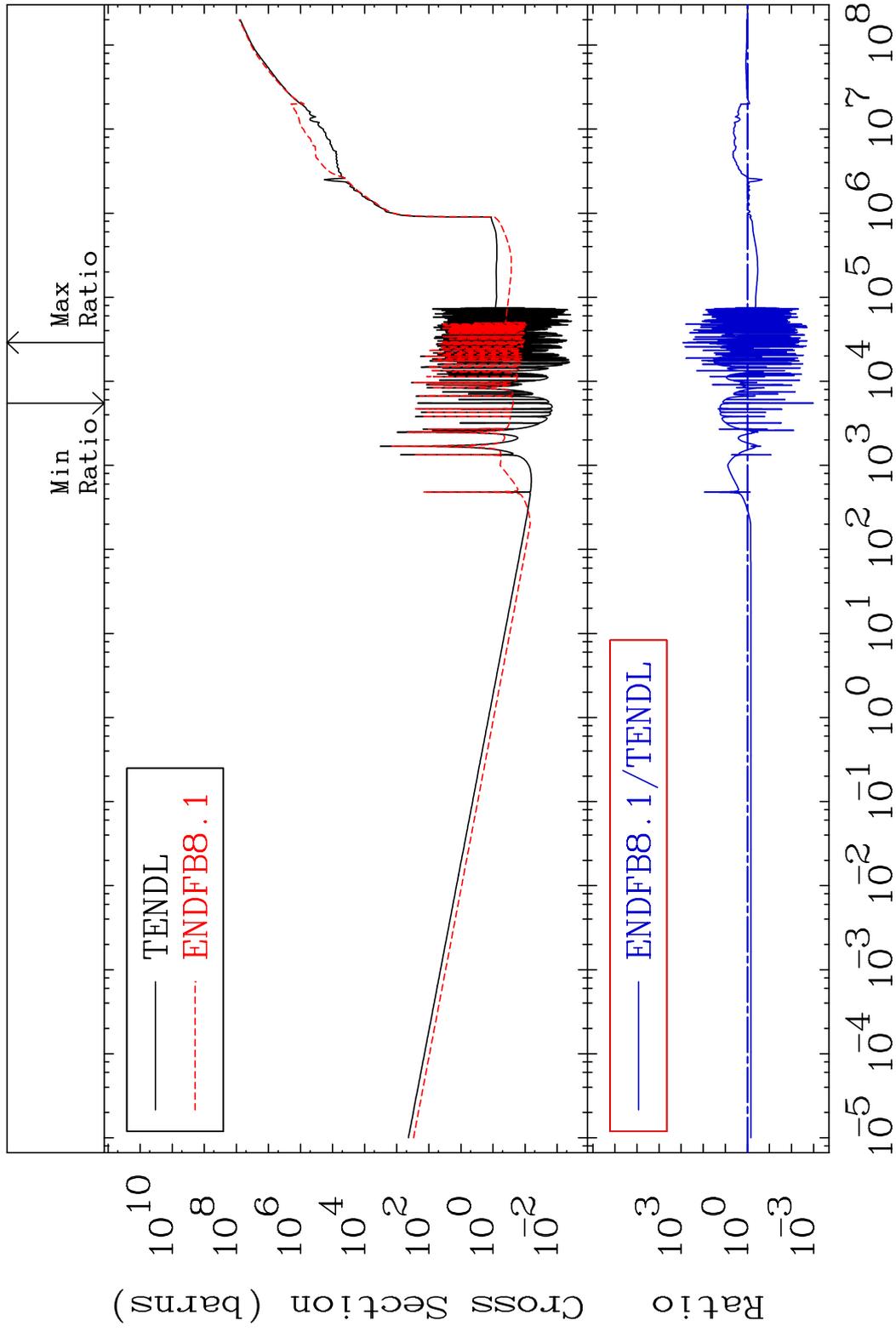
MAT 8225

Kerma elastic Cross Section -97.46 To 9999. %

82-Pb-204

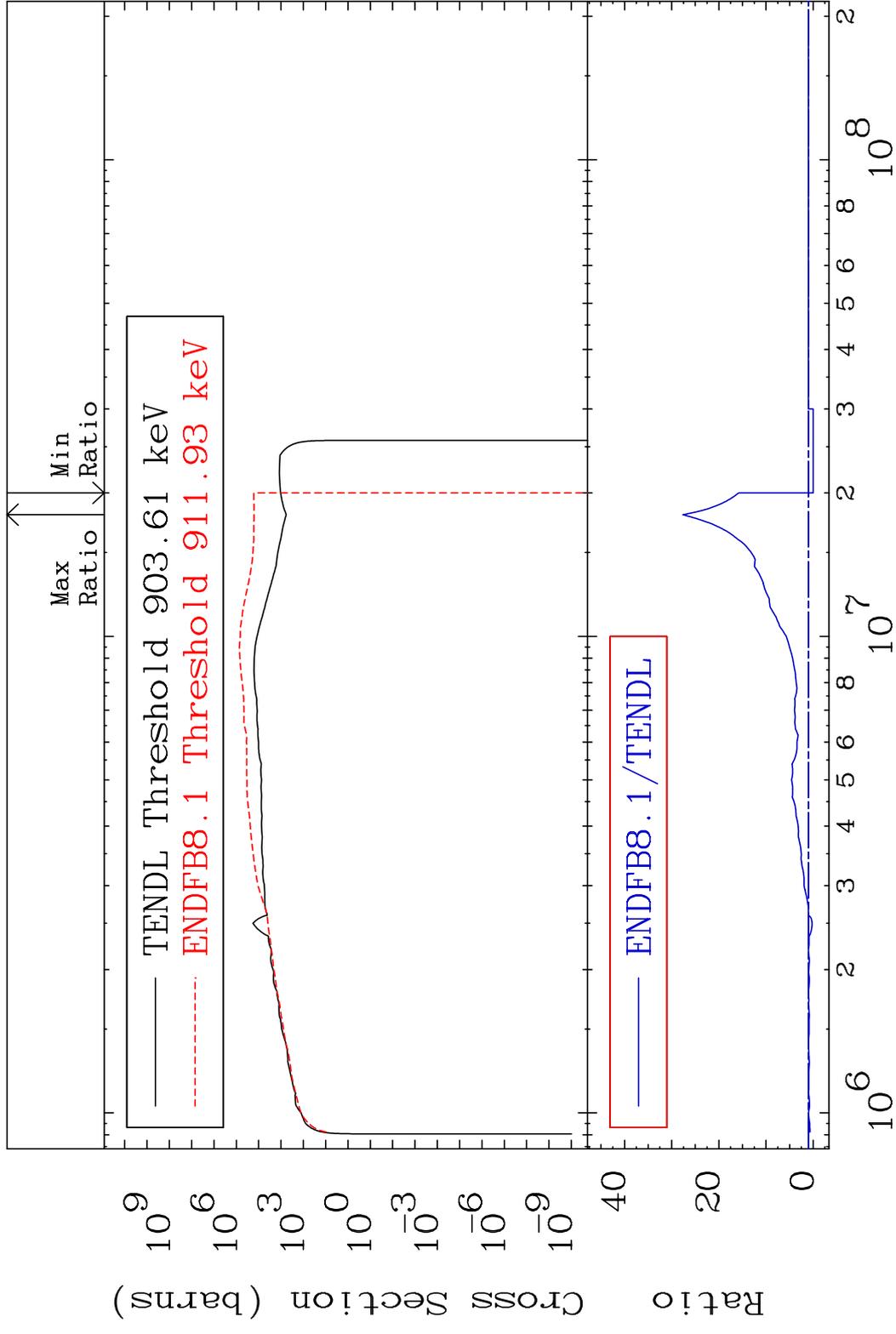


MAT 8225 Kerma non-elastic (all but mt2) 82-Pb-204  
 Cross Section -99.90 To 9999. %



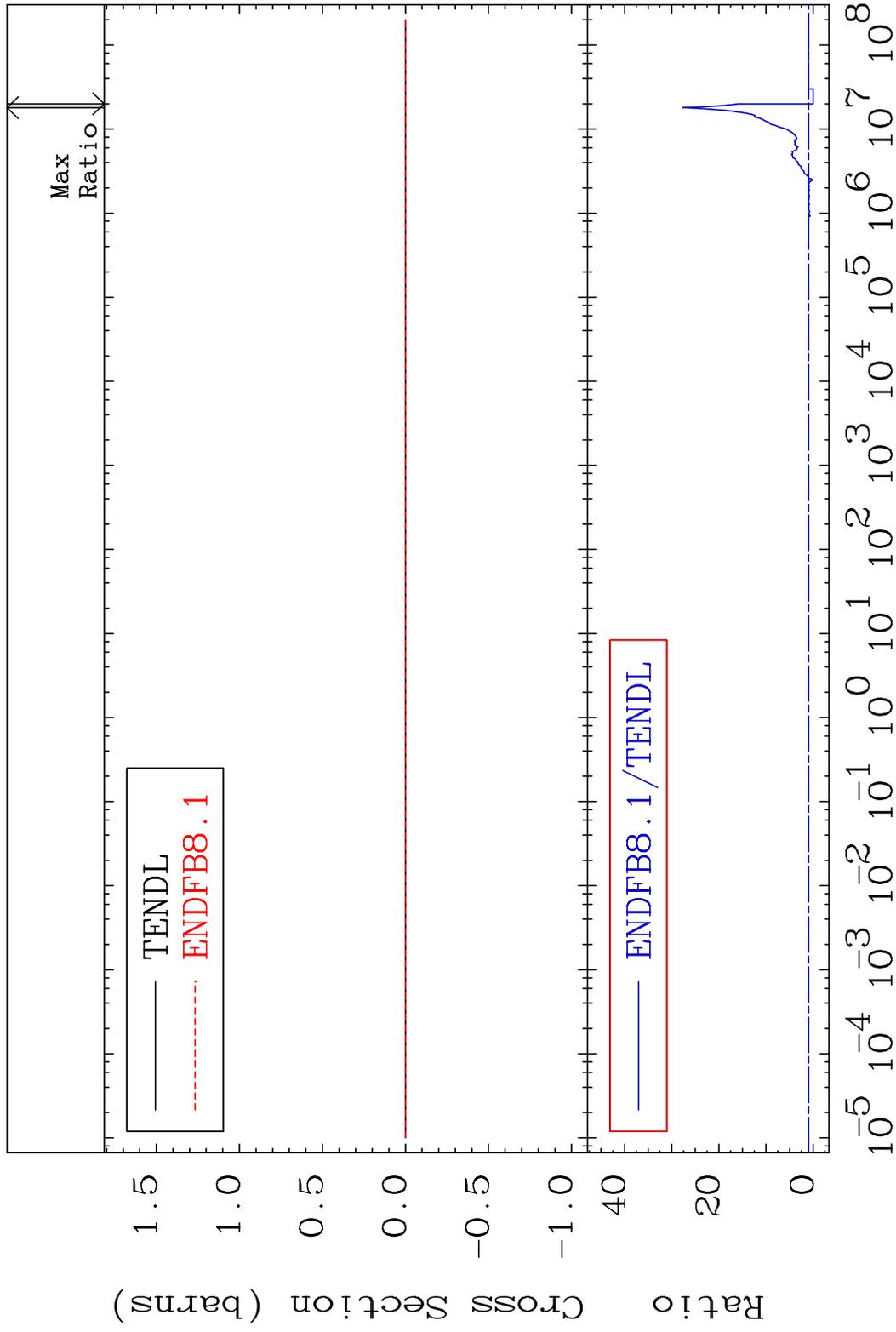
49 Incident Energy (eV) 82-Pb-204

MAT 8225 Kerma inelastic (mt51-91) 82-Pb-204  
 Cross Section -100.0 To 2664. %



50 Incident Energy (eV) 82-Pb-204

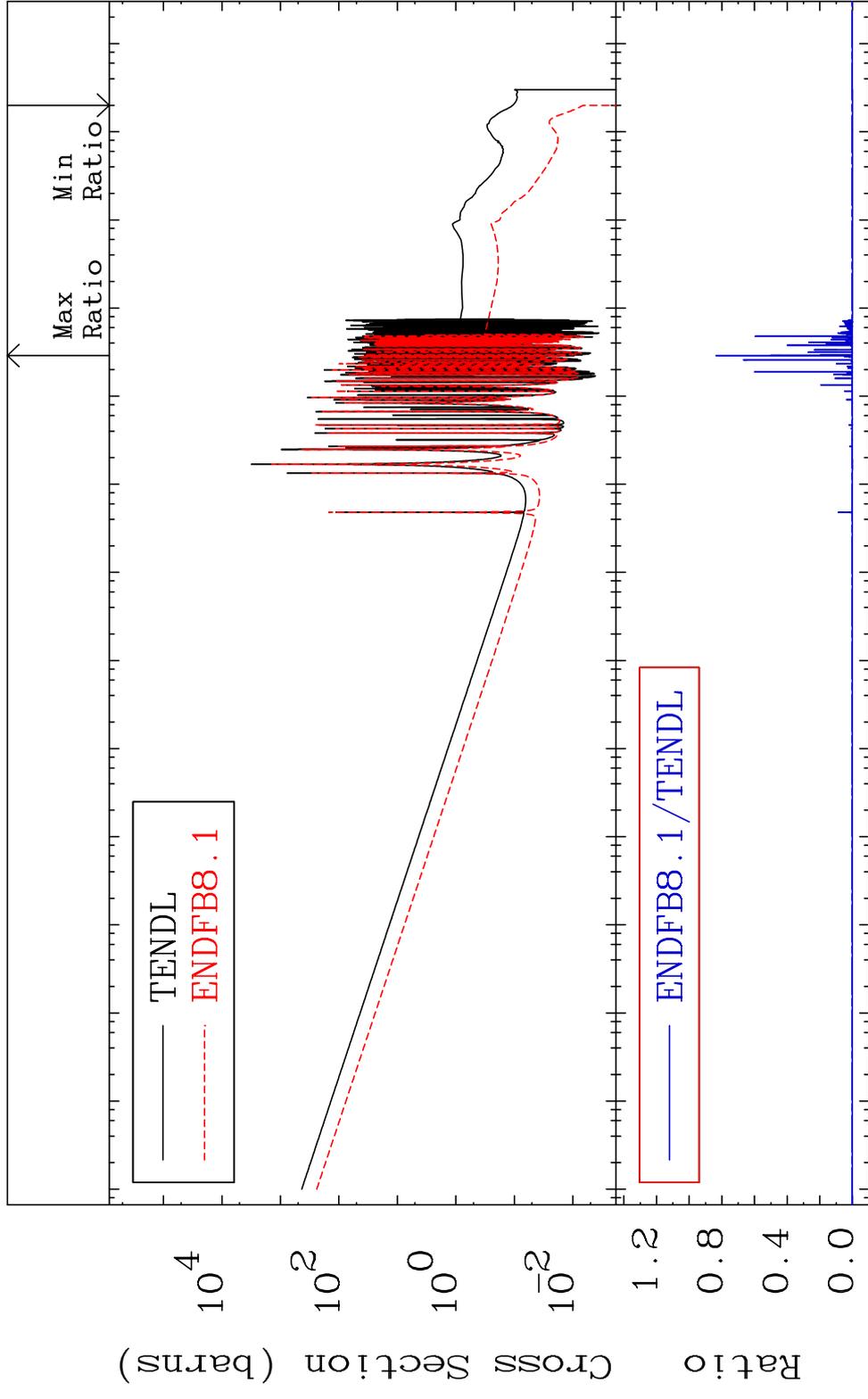
MAT 8225 Kerma fission (mt18 or mt19-20-21-38) $\beta$ 2-Pb-204  
 Cross Section -100.0 To 2664. %



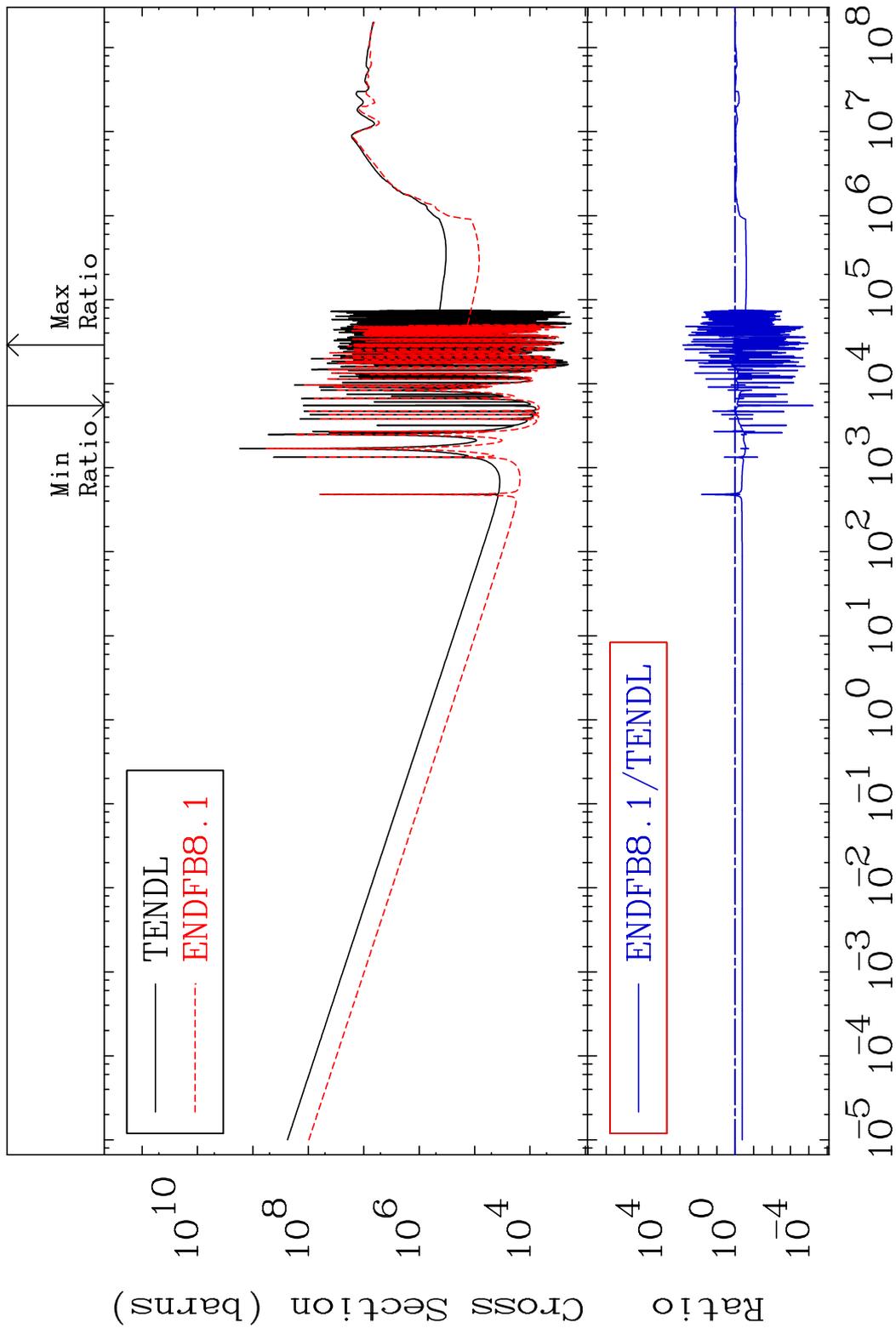
MAT 8225

Kerma capture (mt102) 82-Pb-204

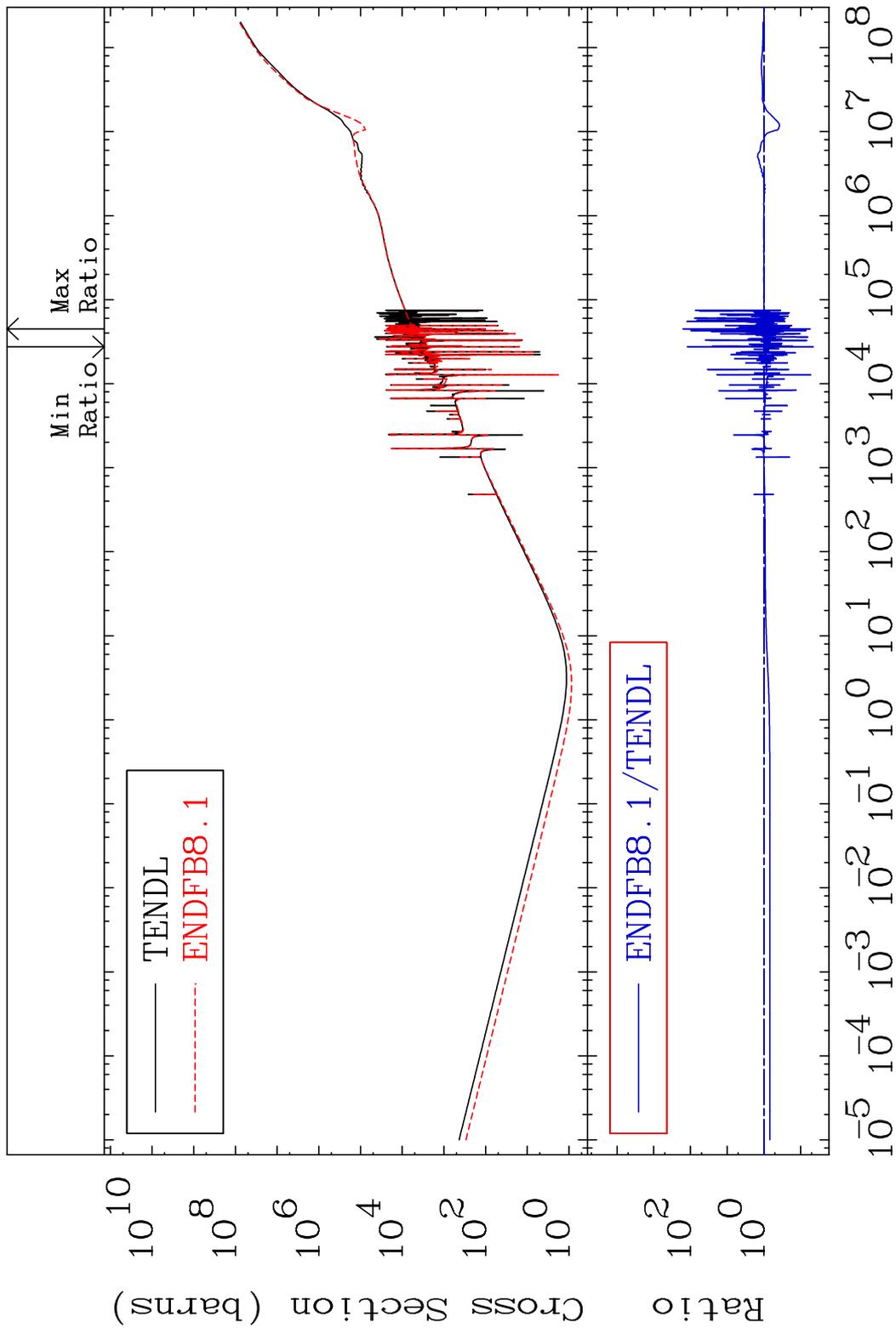
Cross Section -100.0 To 9999. %



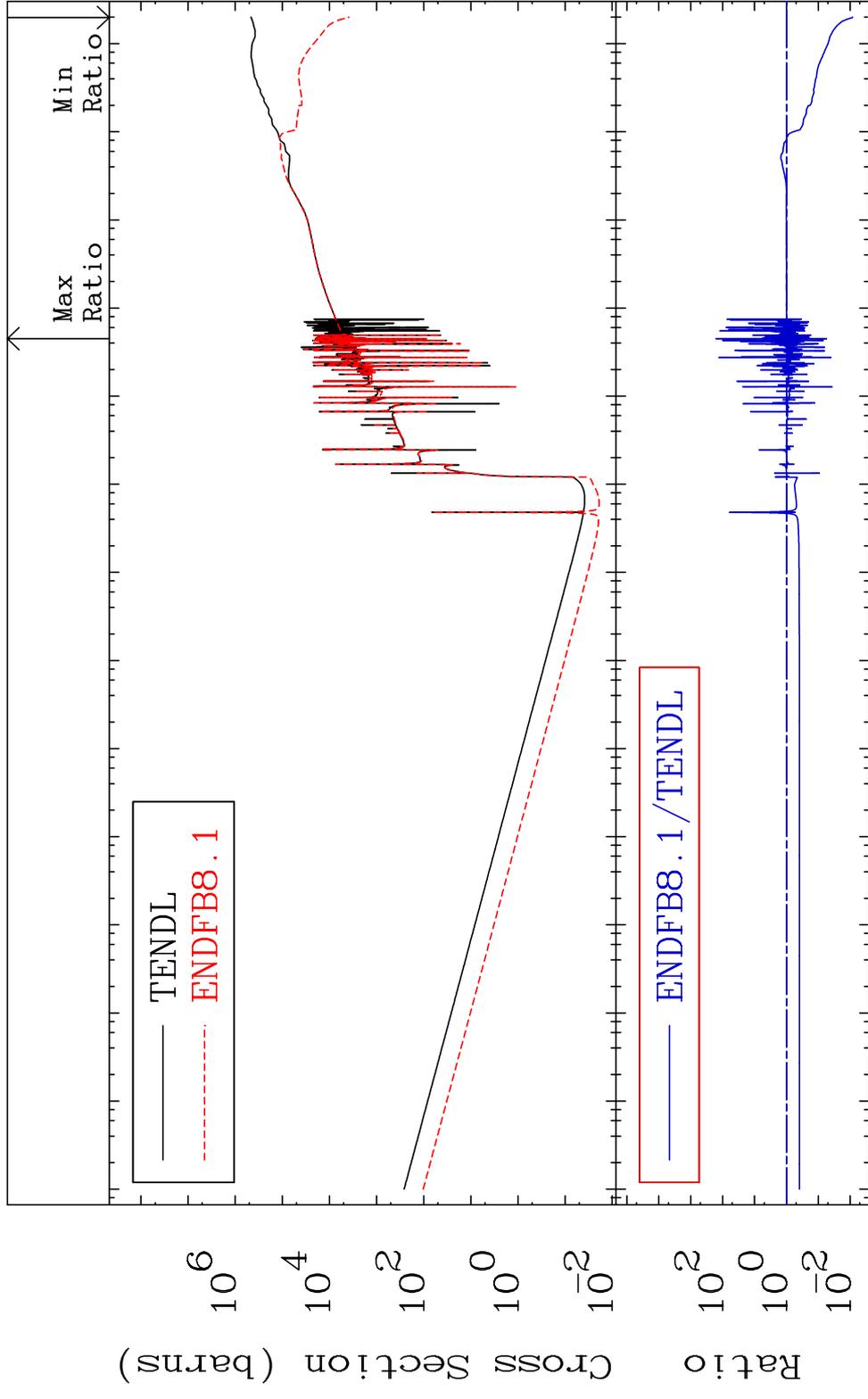
MAT 8225 Total photon (eV-barns) 82-Pb-204  
 Cross Section -99.99 To 9999. %



MAT 8225 Total kinematic kerma (high limit) 82-Pb-204  
 Cross Section -95.47 To 9999. %



MAT 8225      Dpa total (eV-barns)      82-Pb-204  
 Cross Section      -99.15 To 9999. %

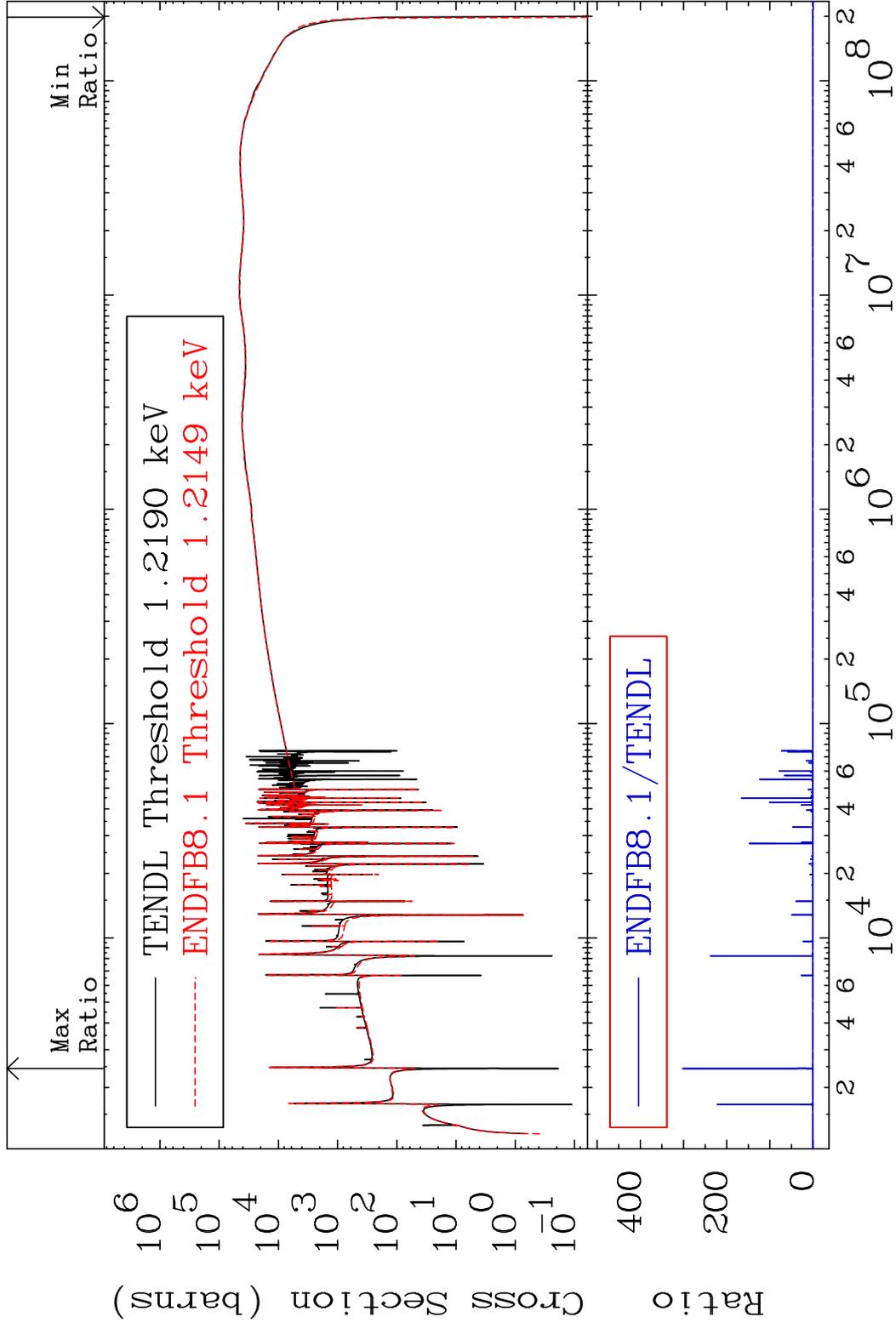


MAT 8225

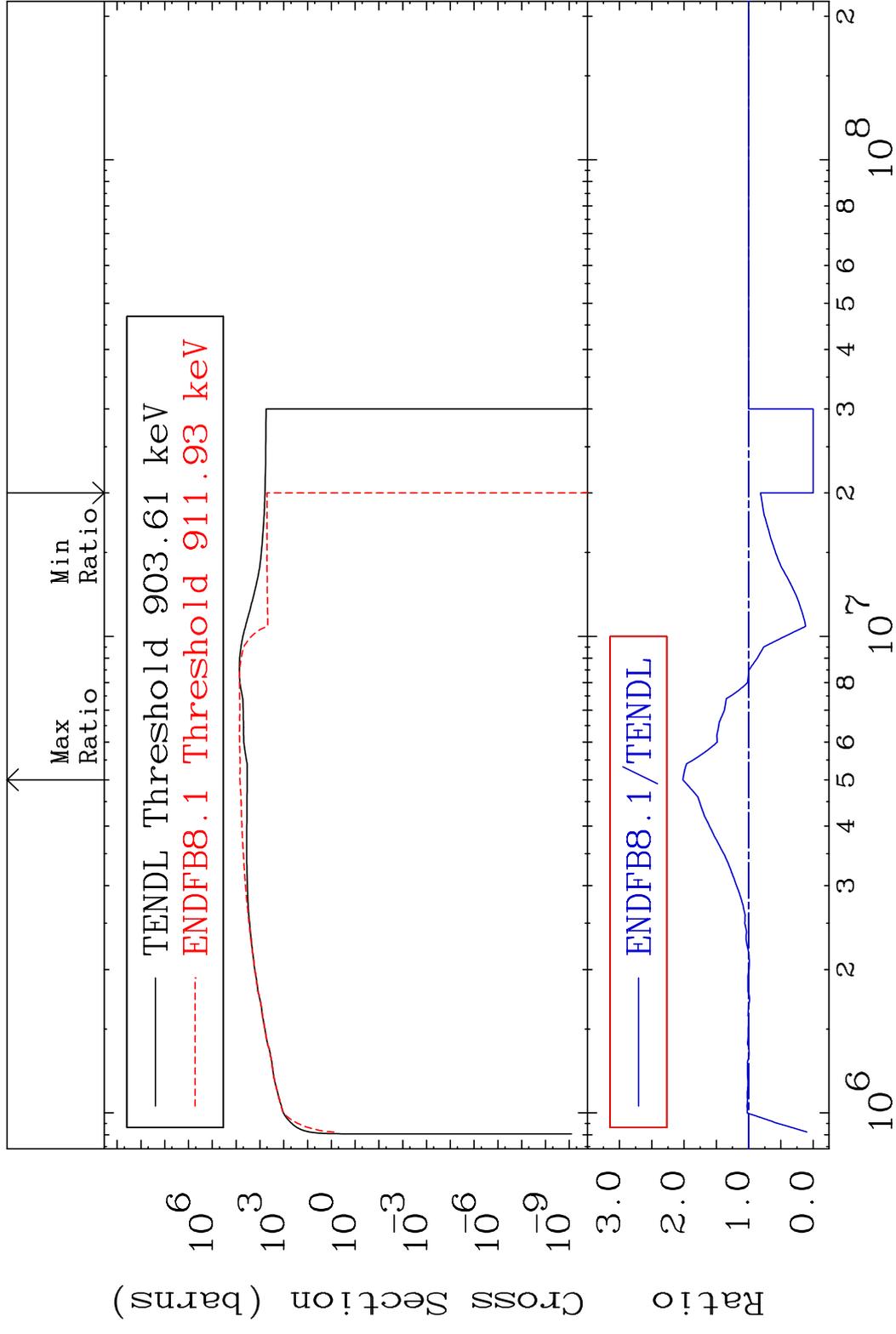
Dpa elastic (mt2)

82-Pb-204

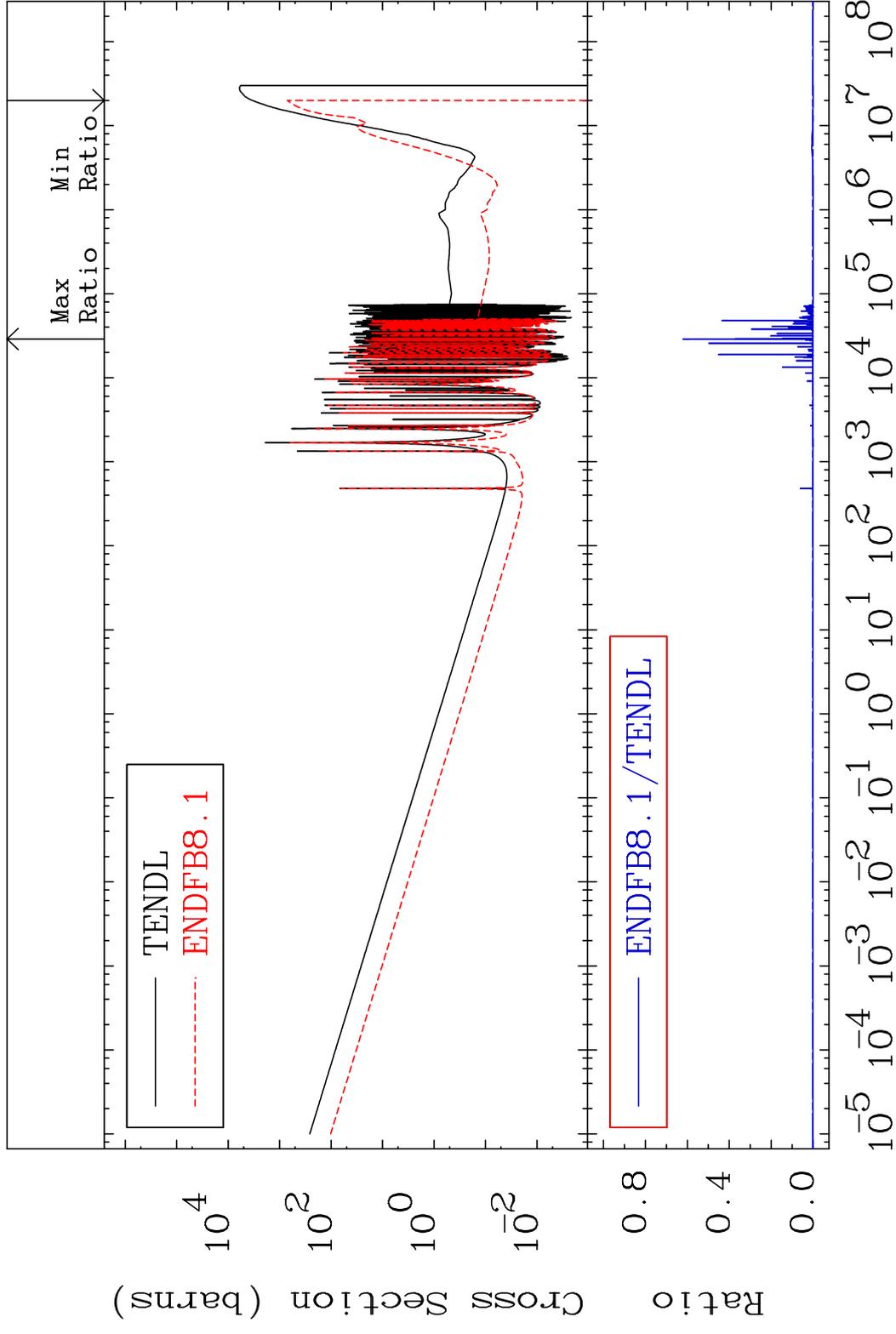
Cross Section -100.0 To 9999. %

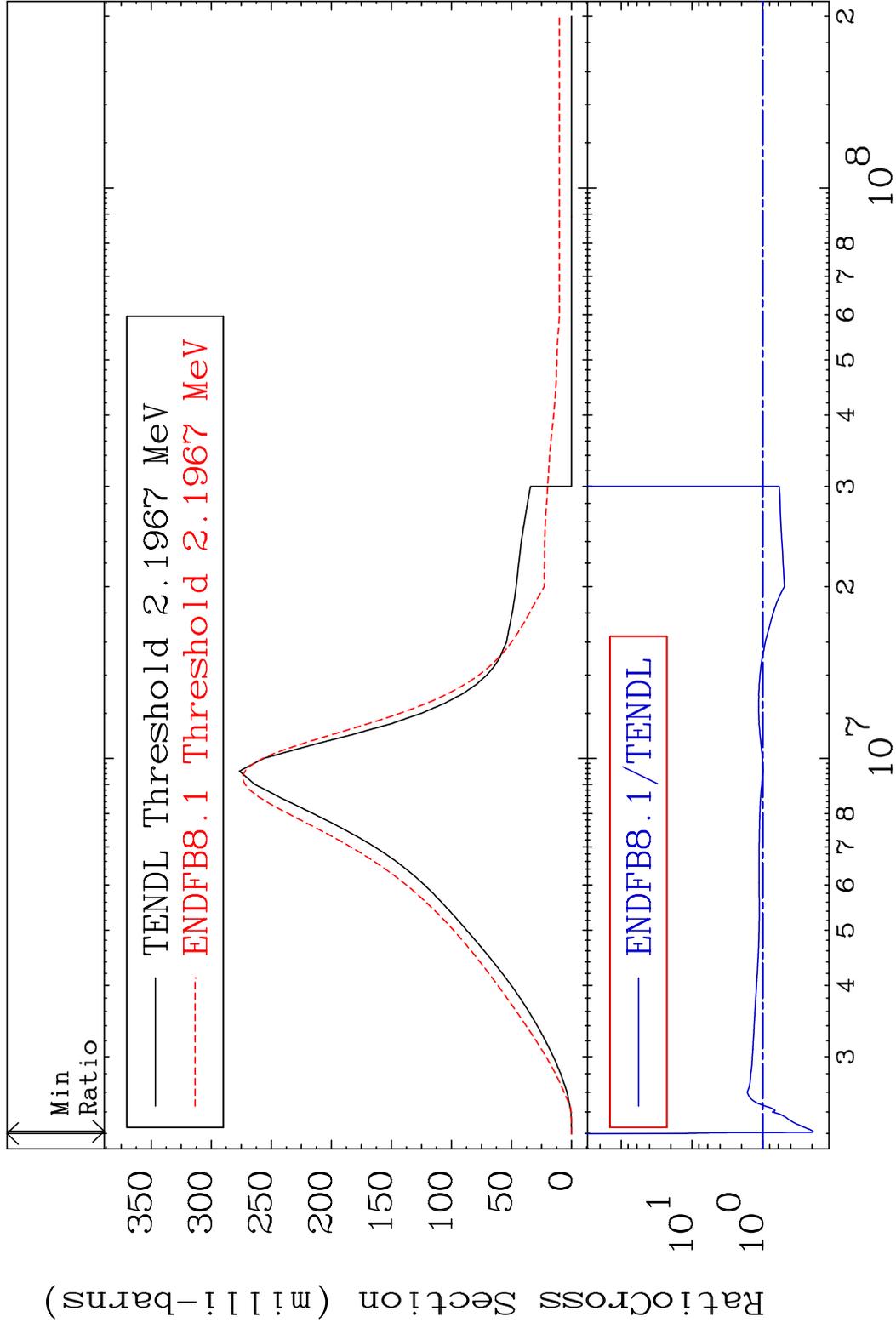


MAT 8225 Dpa inelastic (mt51-91) 82-Pb-204  
 Cross Section -100.0 To 101.9 %

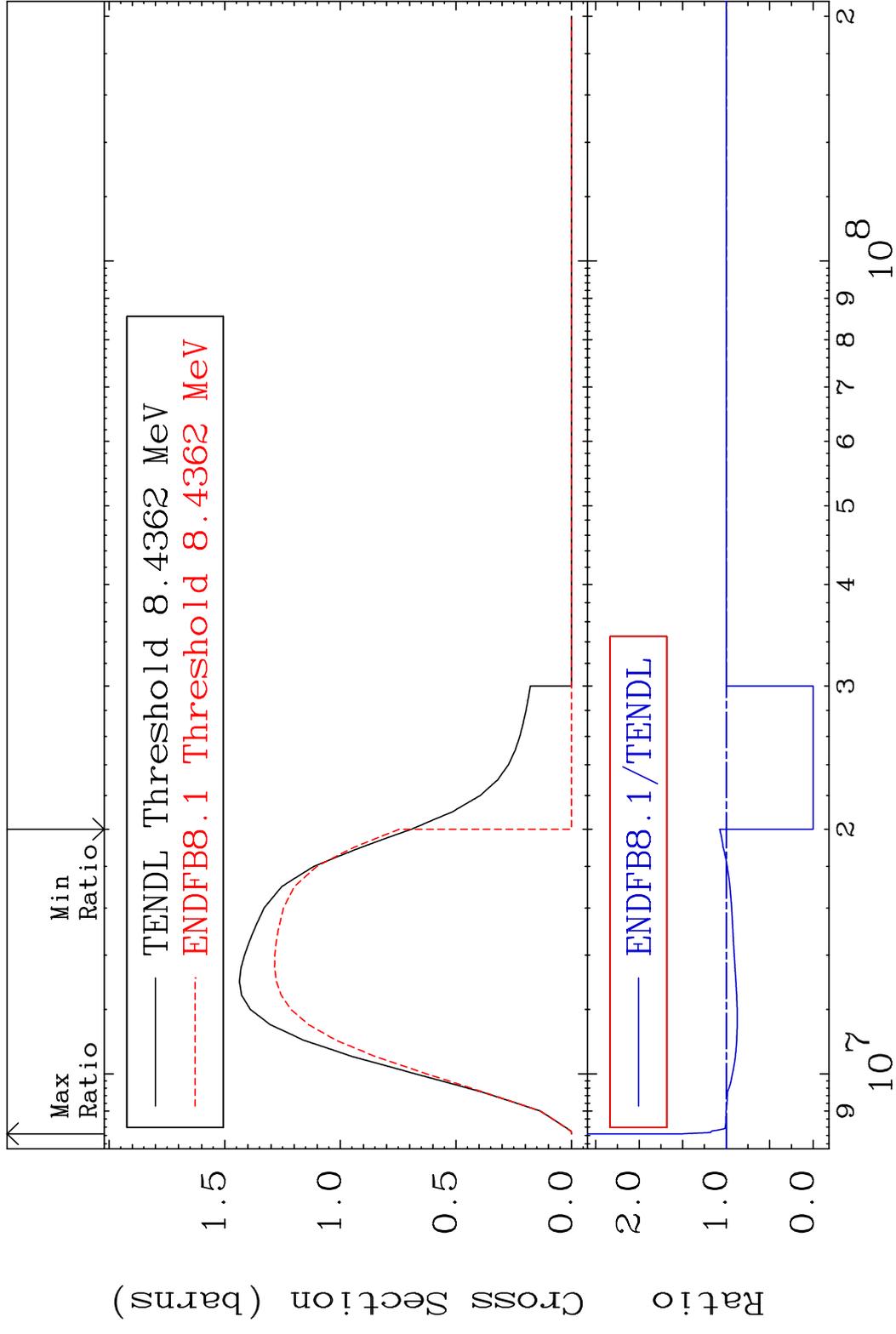


MAT 8225 Dpa disappearance (mt102 -120) 82-Pb-204  
 Cross Section -100.0 To 9999. %

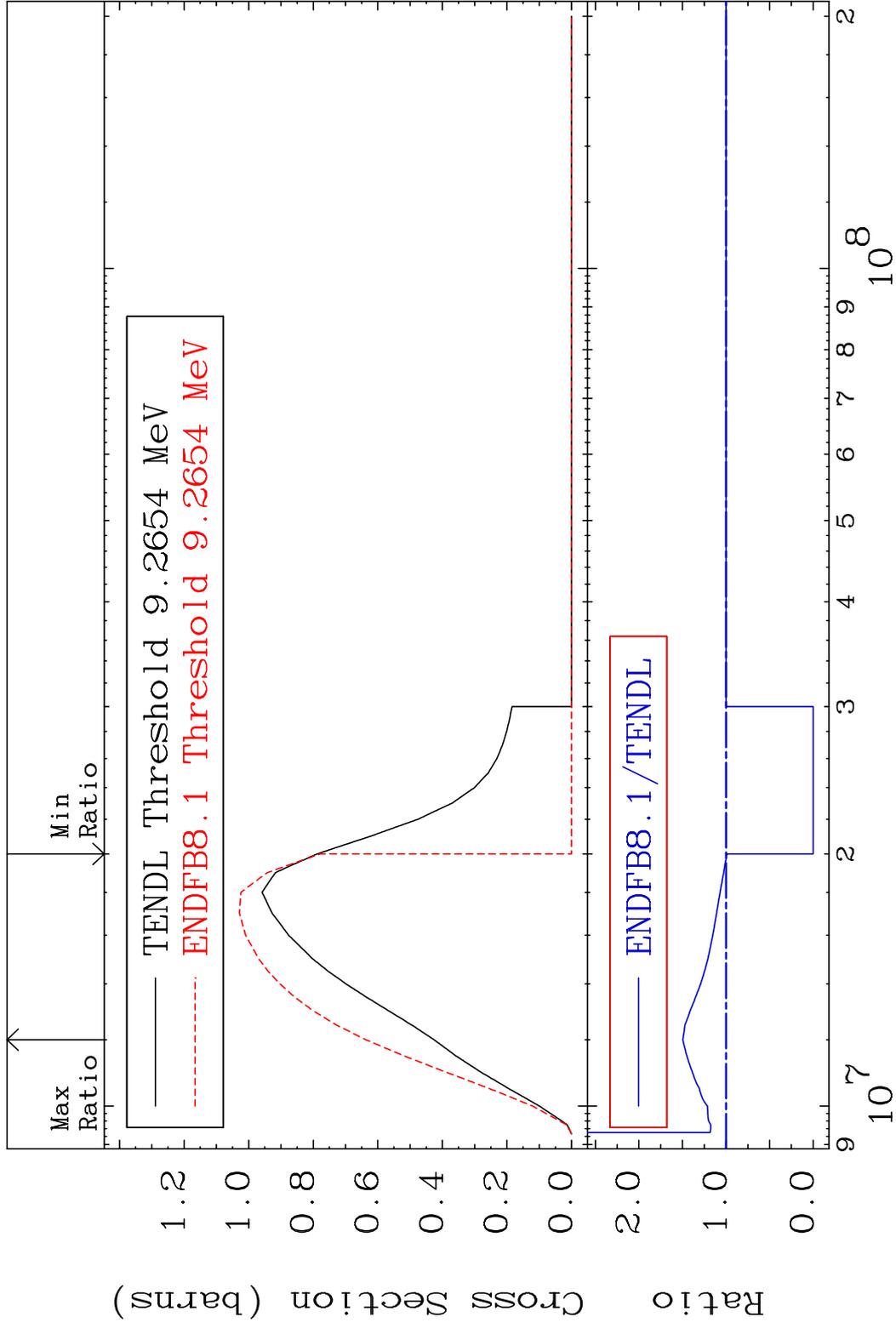


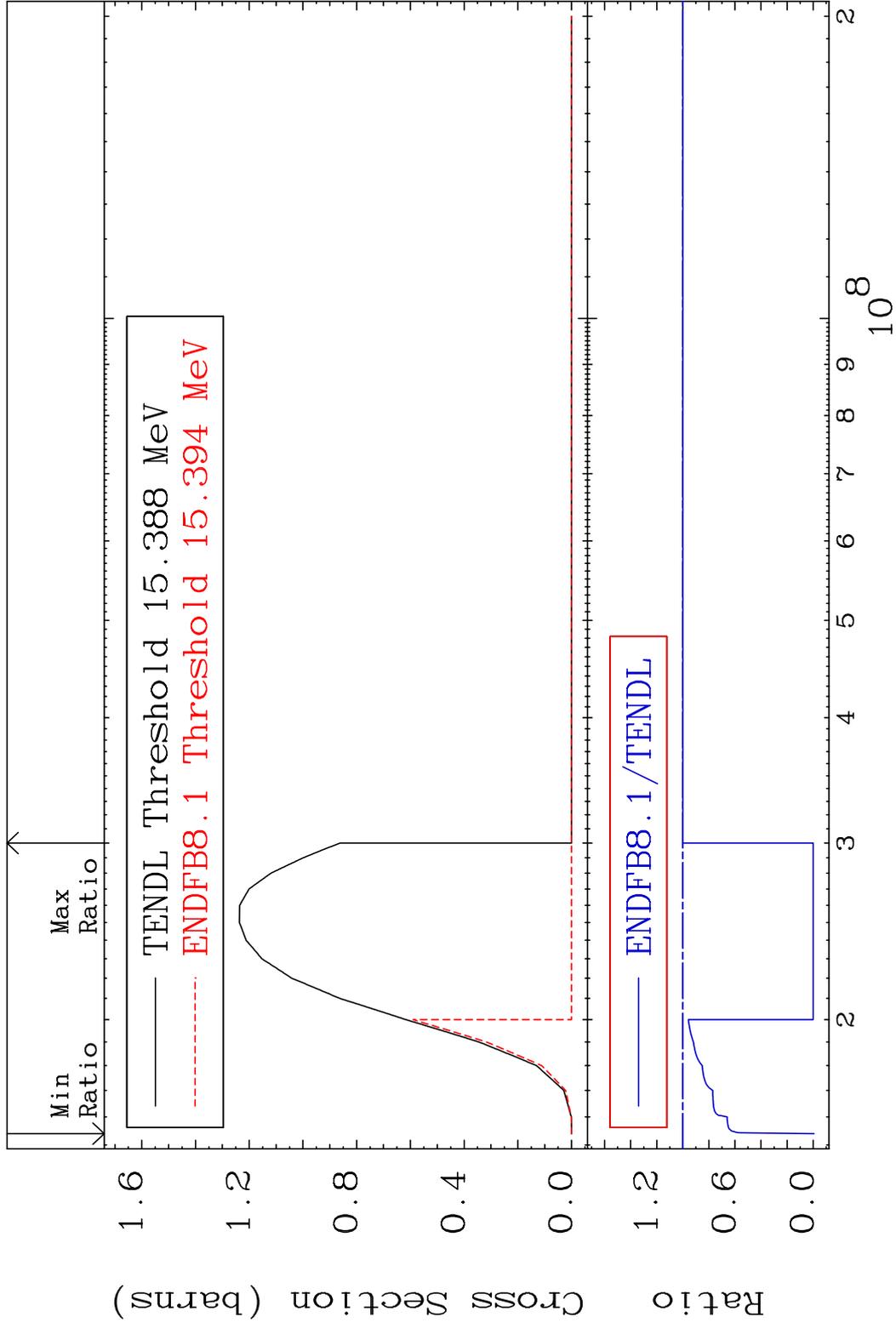


MAT 8225 (n,2n):82-Pb-203g 82-Pb-204  
 Radionuclide Production Cross Section 180.01 dth 49.84 %

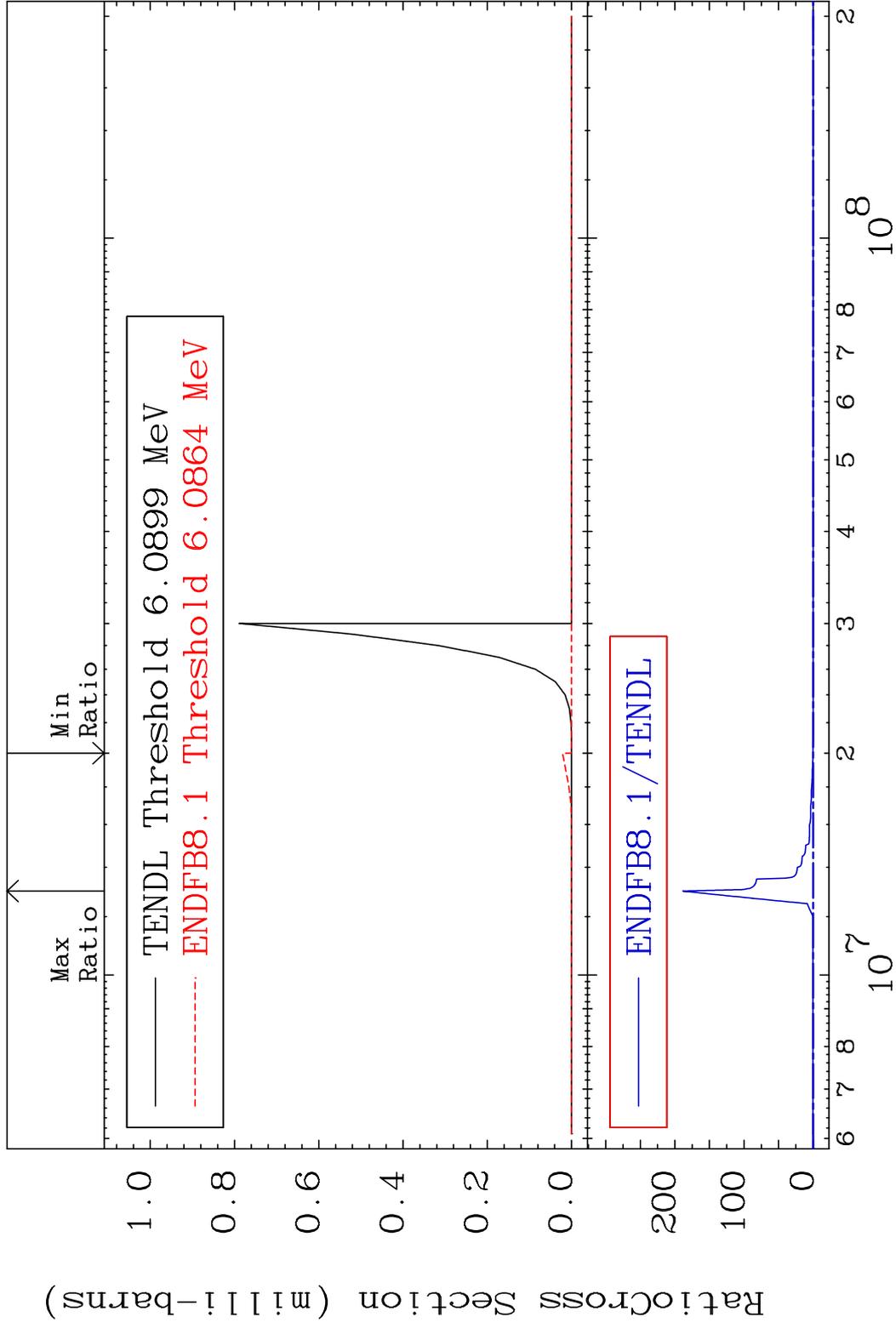


60 Incident Energy (eV) 82-Pb-204





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



MAT 8225 (n,2n)  $\alpha$ :80-Hg-199m7 82-Pb-204  
 Radionuclide Production Cross Section 100.00 dth 9999. %

