

Program Complot  
(Version 2021-1)

by

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U.S.A.

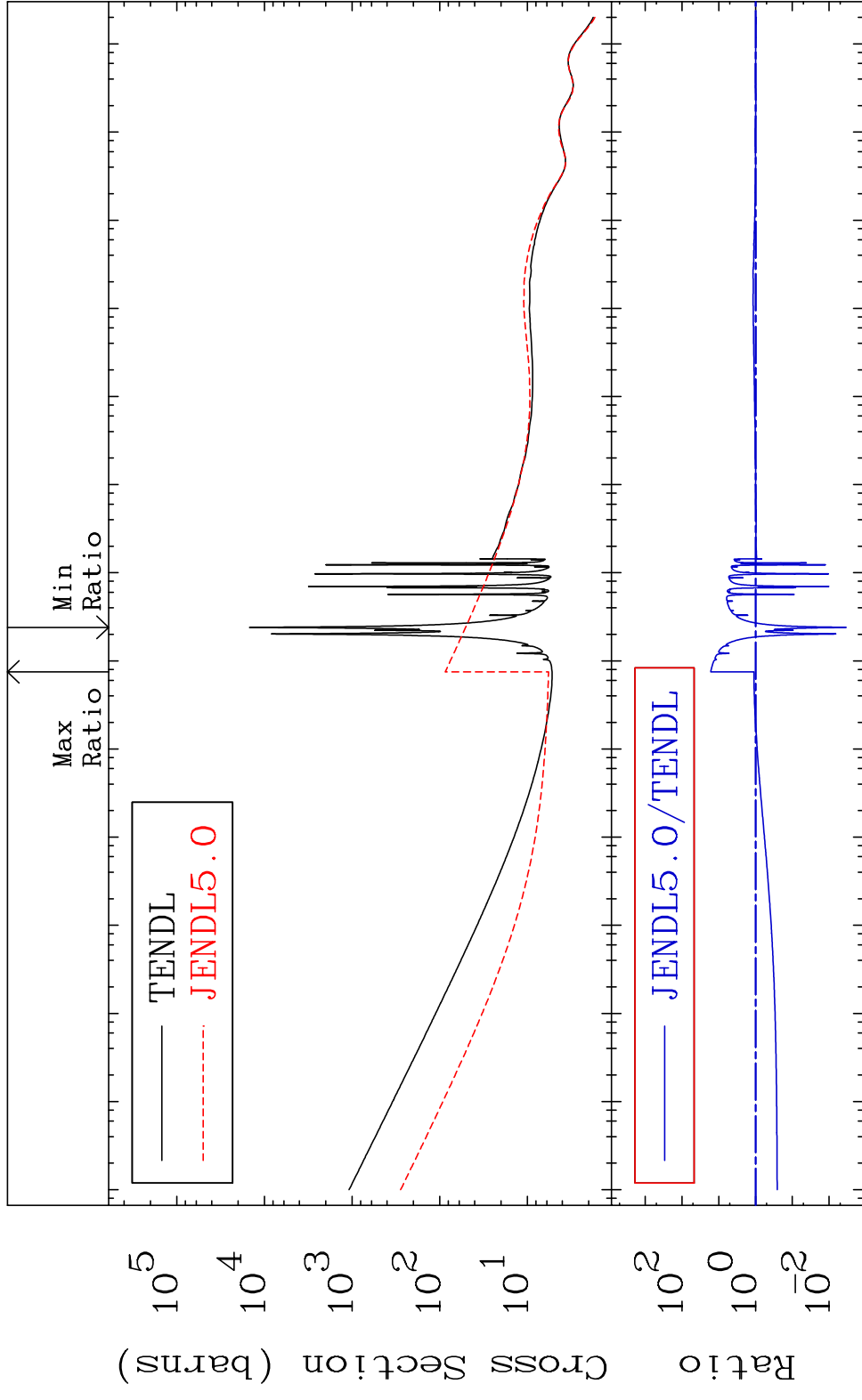
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 4628

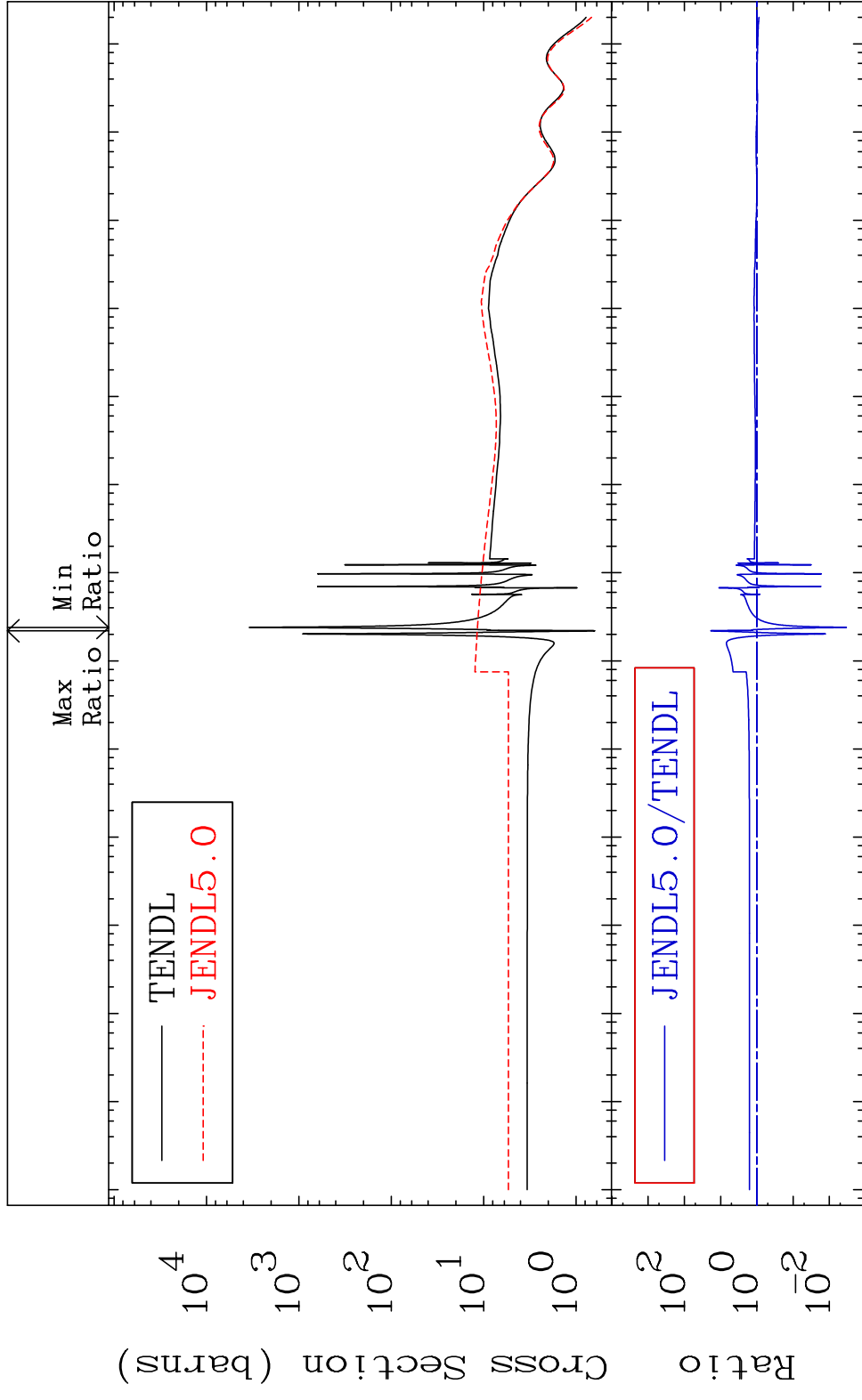
Total Cross Section -99.66 To 1555. %  
46-Pd-103



Incident Energy (eV)

MAT 4628

Elastic Cross Section -99.66 To 1775. %  
46-Pd-103



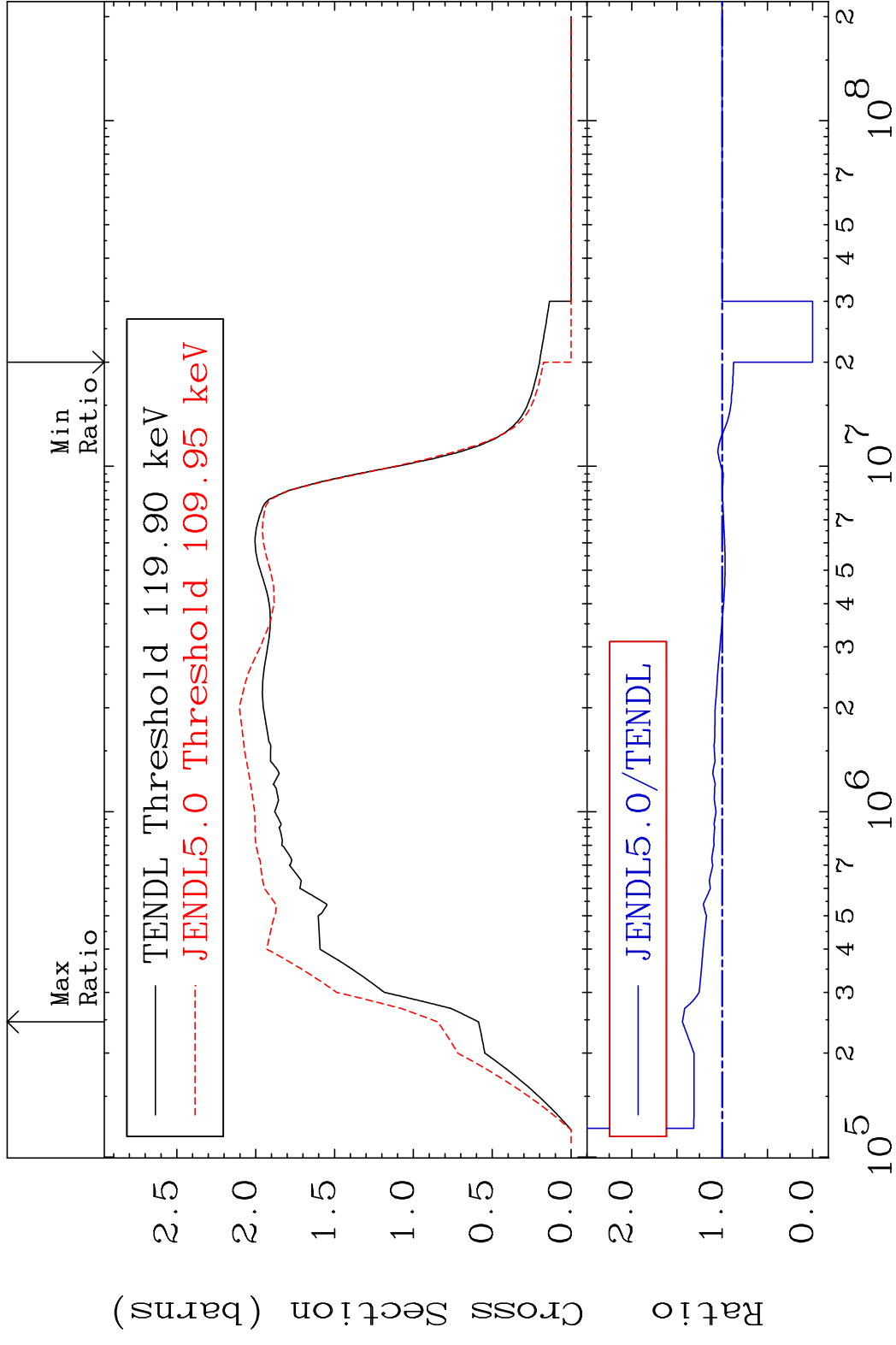
10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

2

Incident Energy (eV)

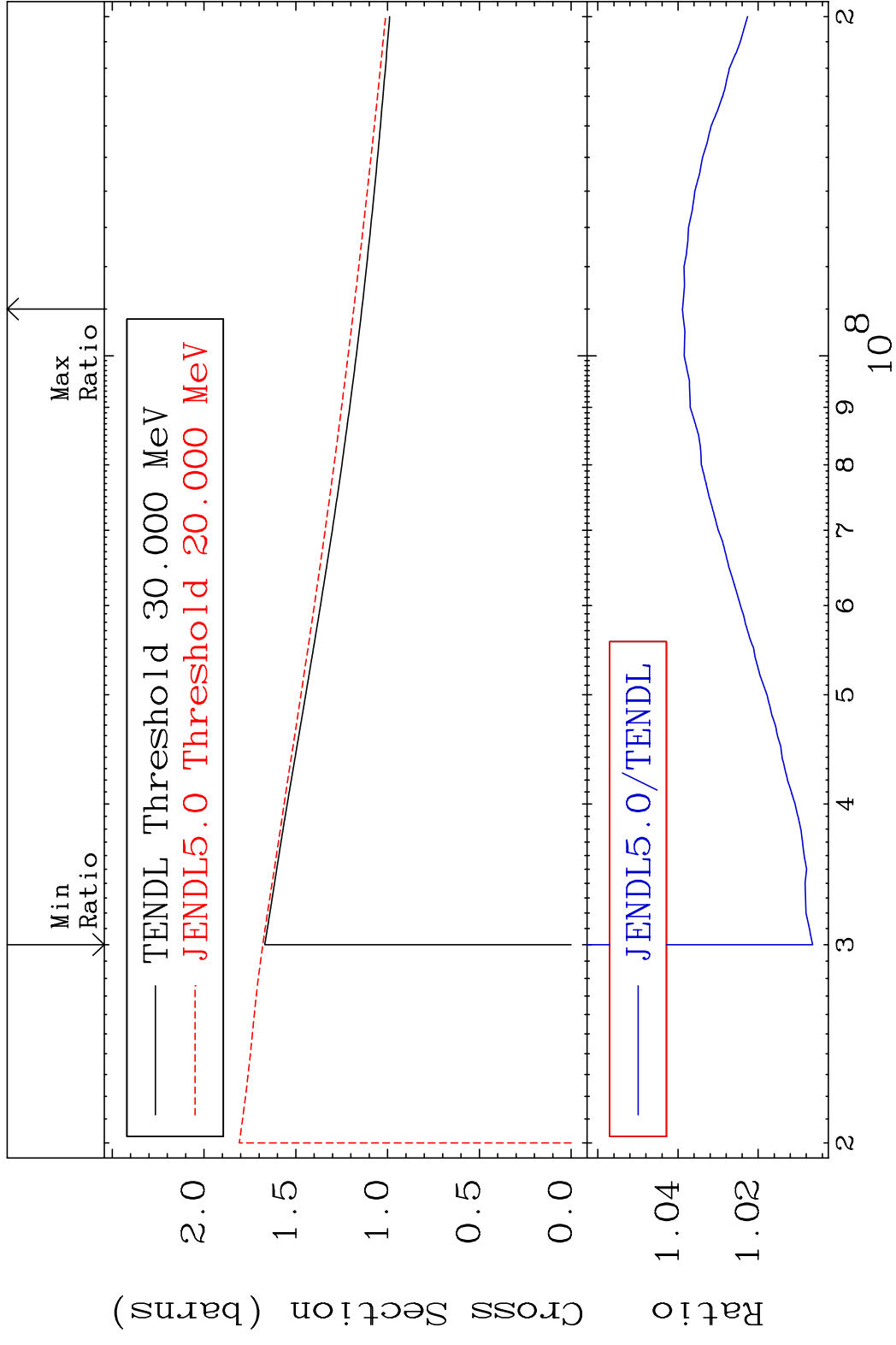
46-Pd-103

MAT 4628 Inelastic 46-Pd-103  
 Cross Section -100.0 To 44.07 %

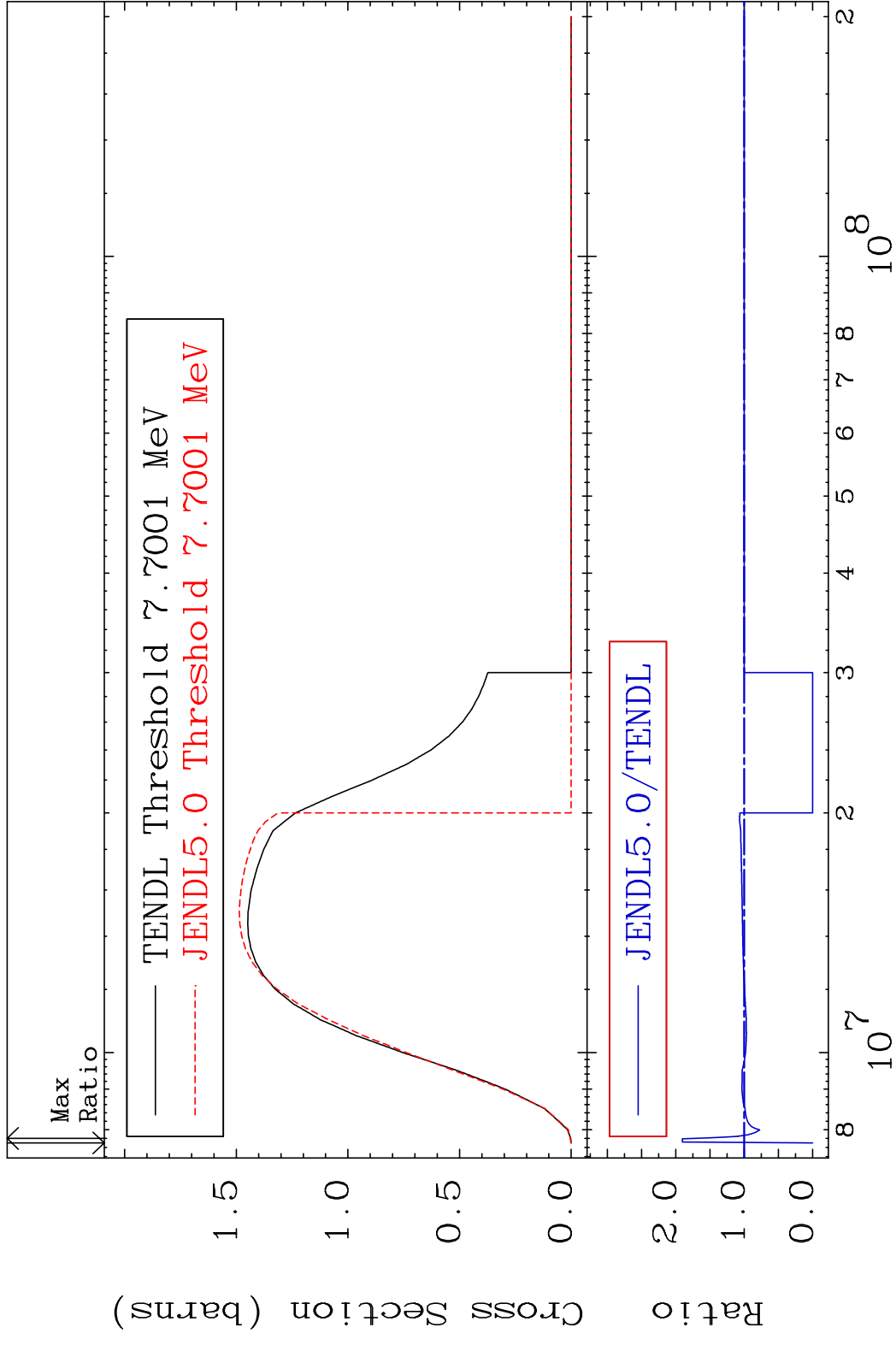


3 Incident Energy (eV) 46-Pd-103

MAT 4628 (n, remainder) 46-Pd-103  
 Cross Section 0.644 To 3.893 %

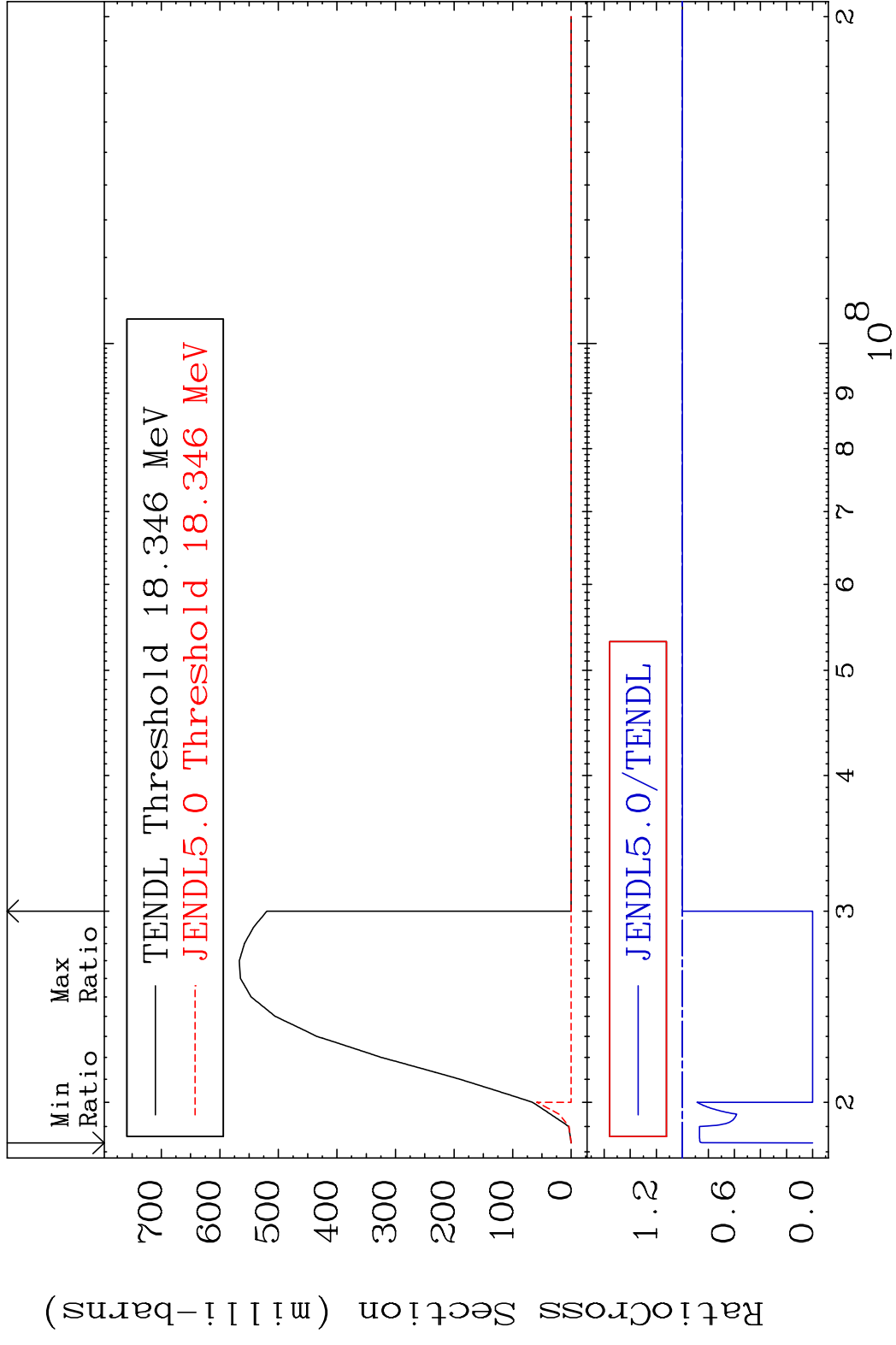


MAT 4628 (n,2n) 46-Pd-103  
 Cross Section -100.0 To 90.33 %



5 Incident Energy (eV) 46-Pd-103

MAT 4628 (n,3n) 46-Pd-103  
 Cross Section -100.0 To 0.000 %

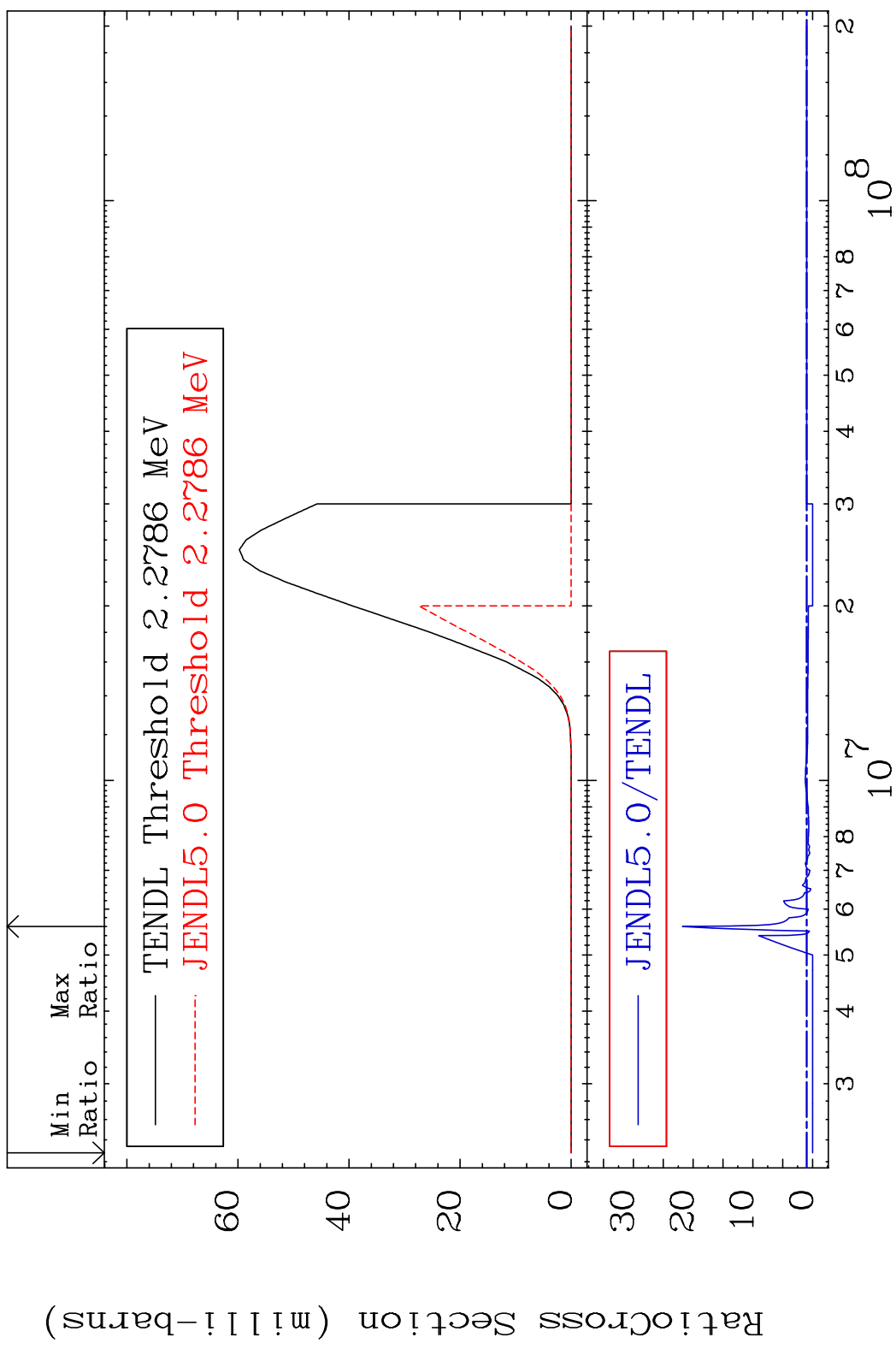


MAT 4628

(n, n')  $\alpha$

46-Pd-103

Cross Section -100.0 To 2080. %

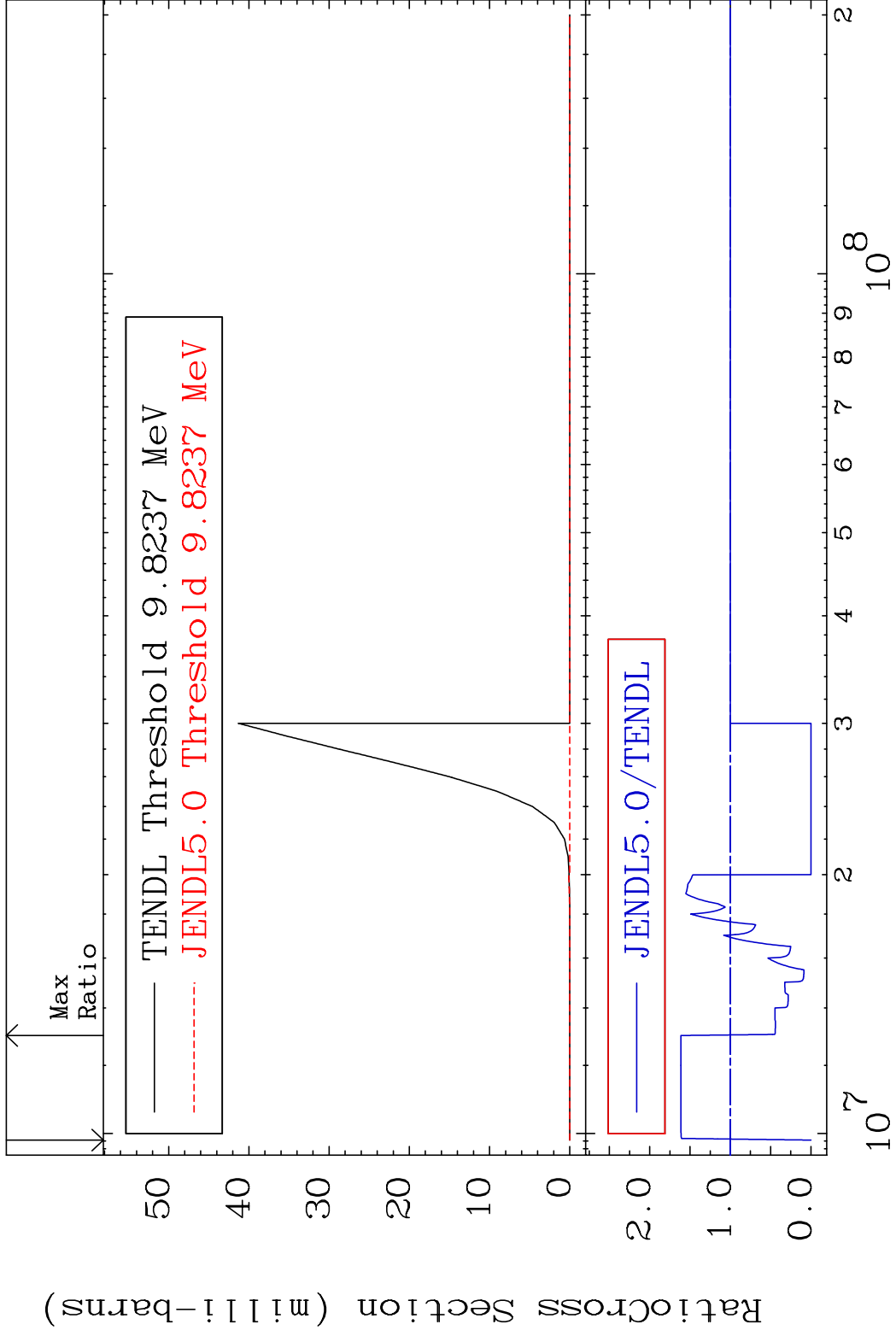


7

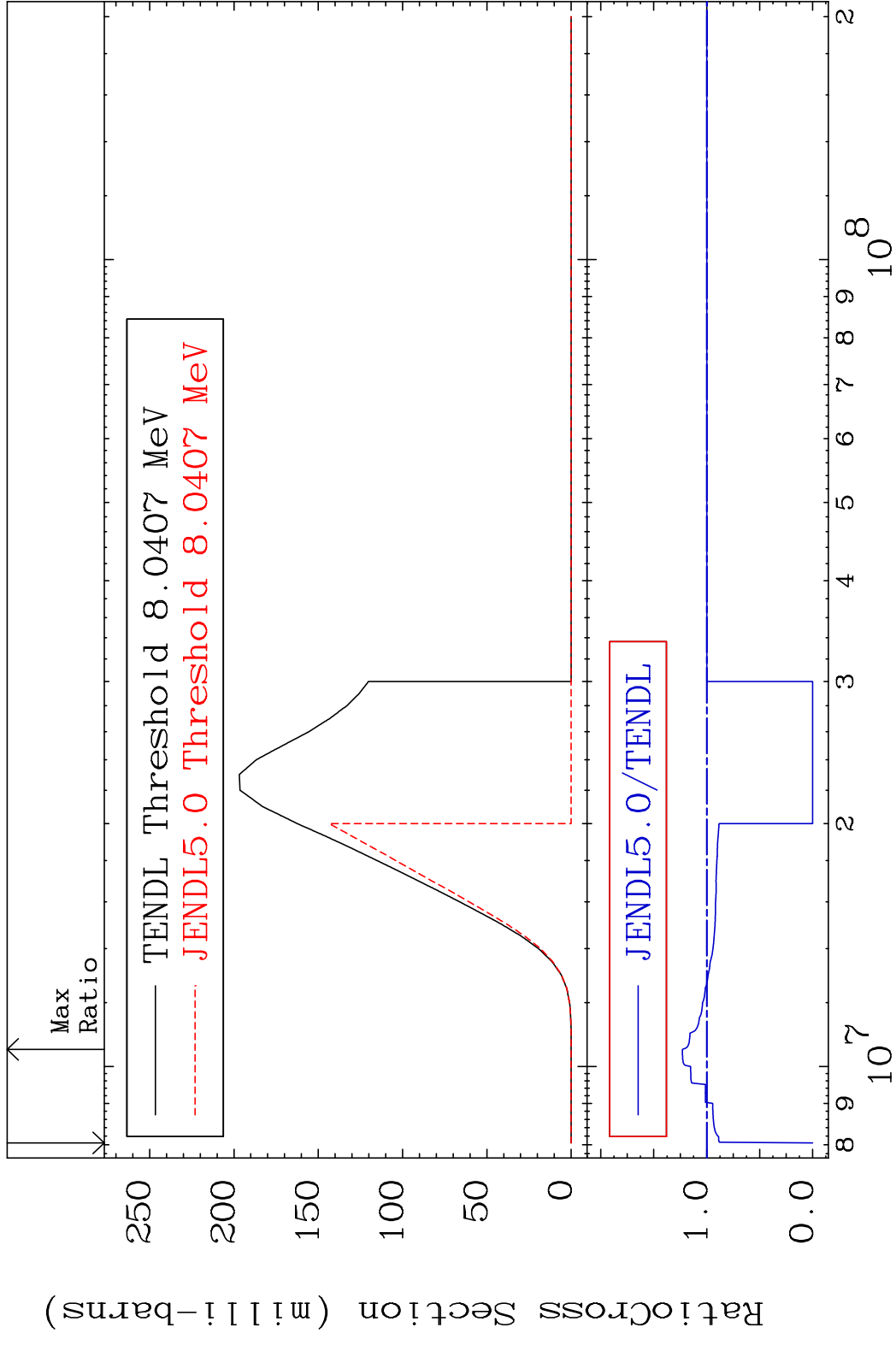
Incident Energy (eV)

46-Pd-103



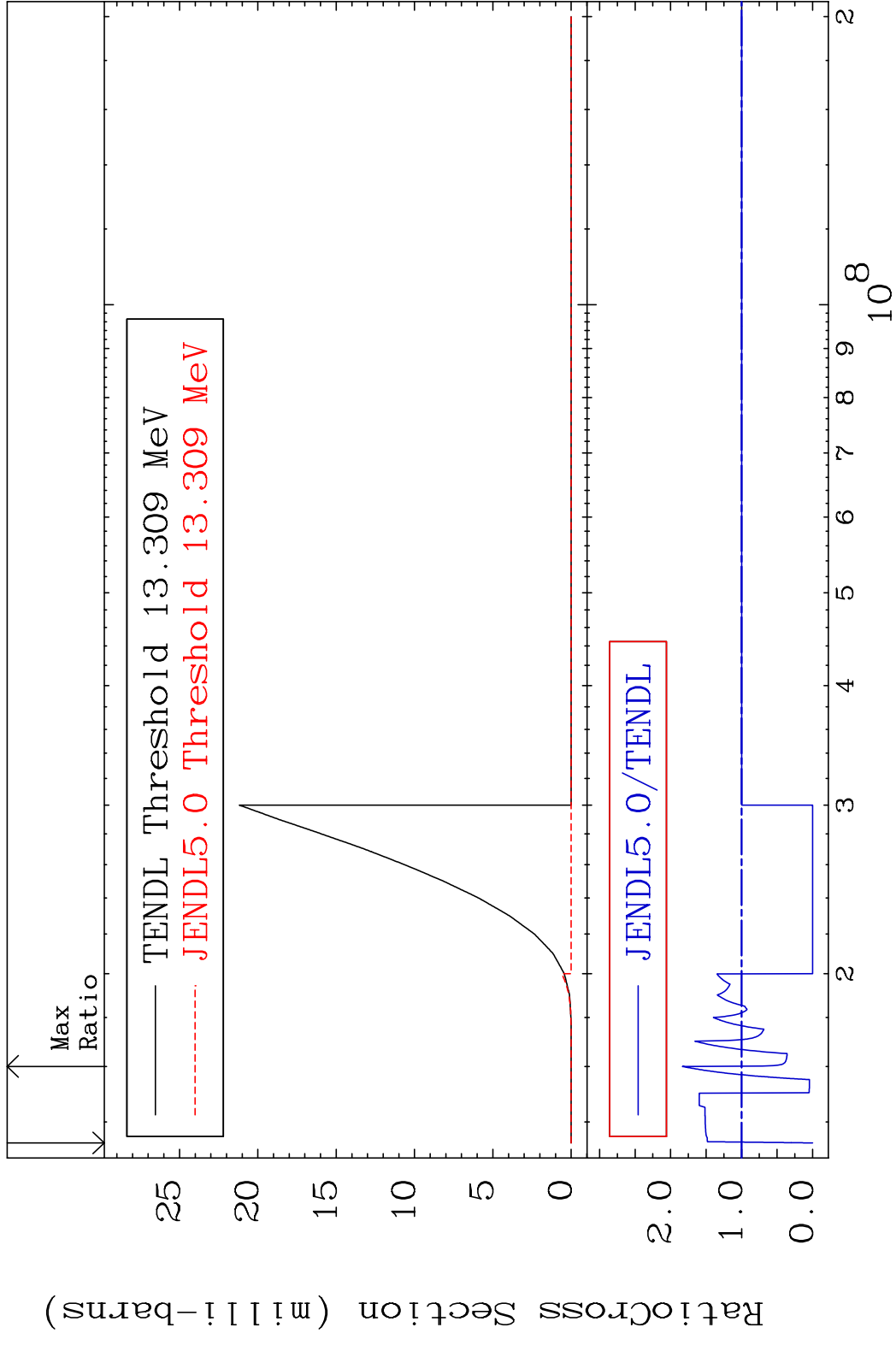


MAT 4628 (n, n') p 46-Pd-103  
 Cross Section -100.0 To 23.00 %



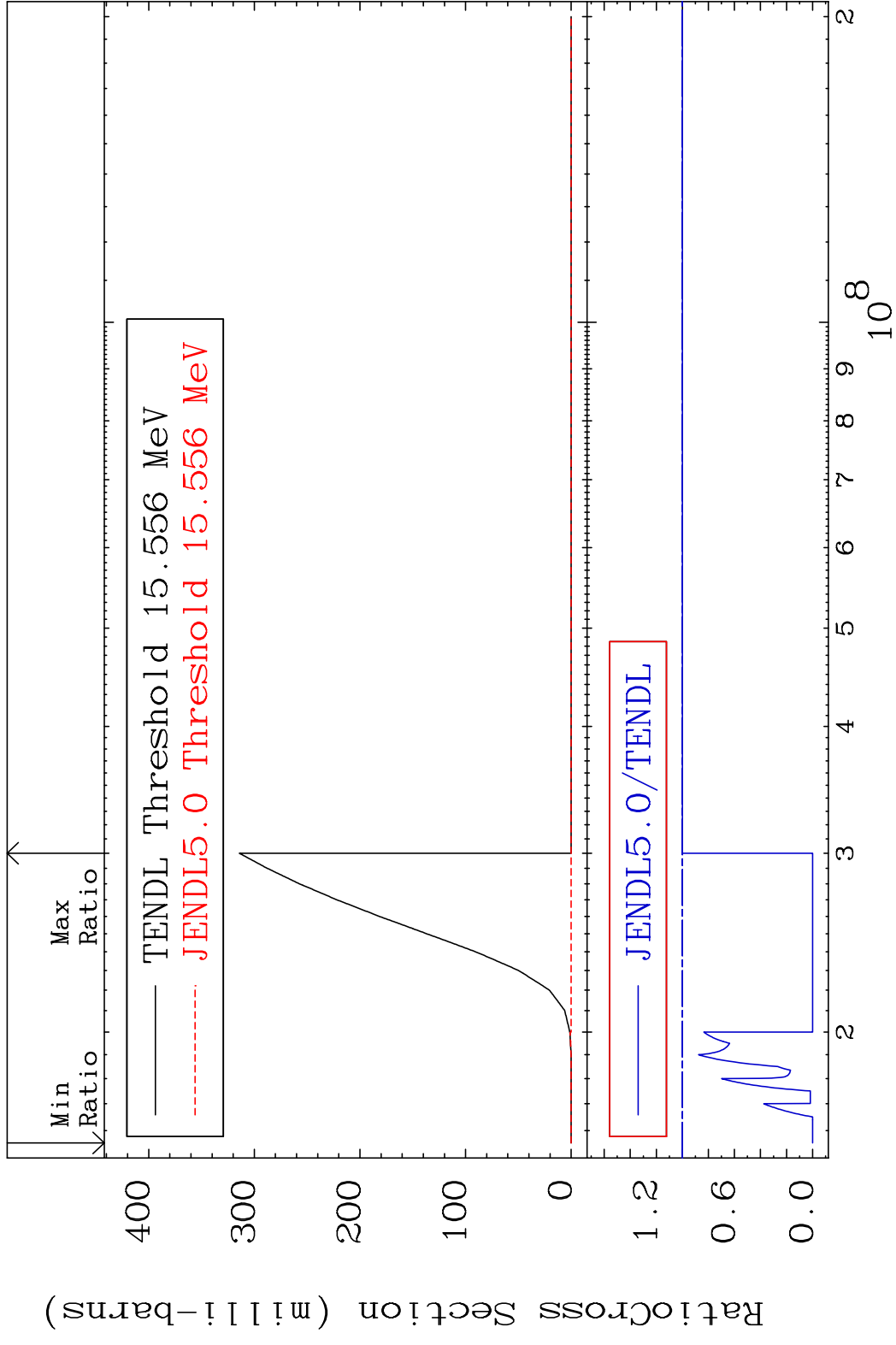
9 9 Incident Energy (eV) 46-Pd-103

MAT 4628 (n, n') d 46-Pd-103  
 Cross Section -100.0 To 83.42 %

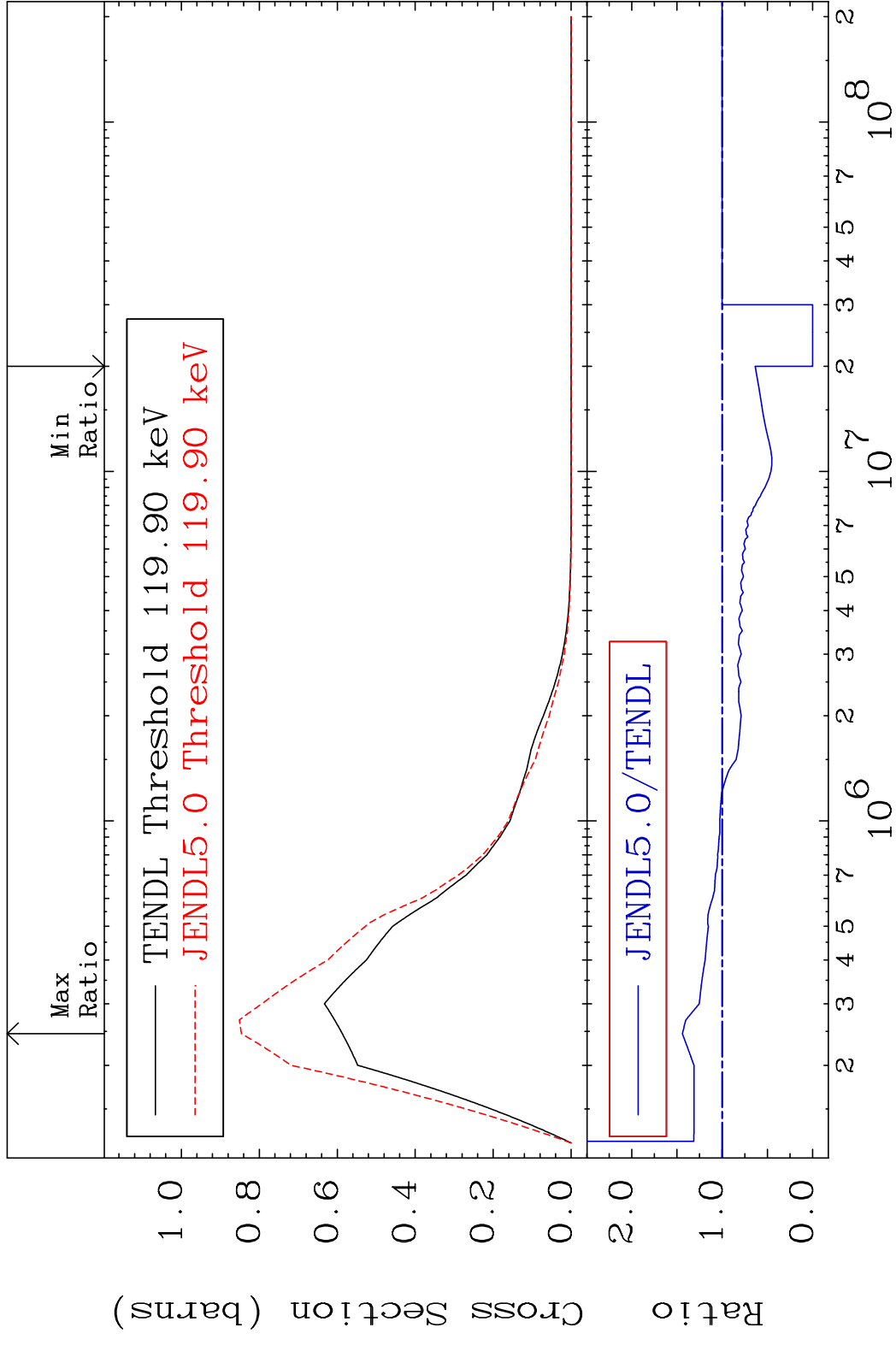


10 Incident Energy (eV) 46-Pd-103

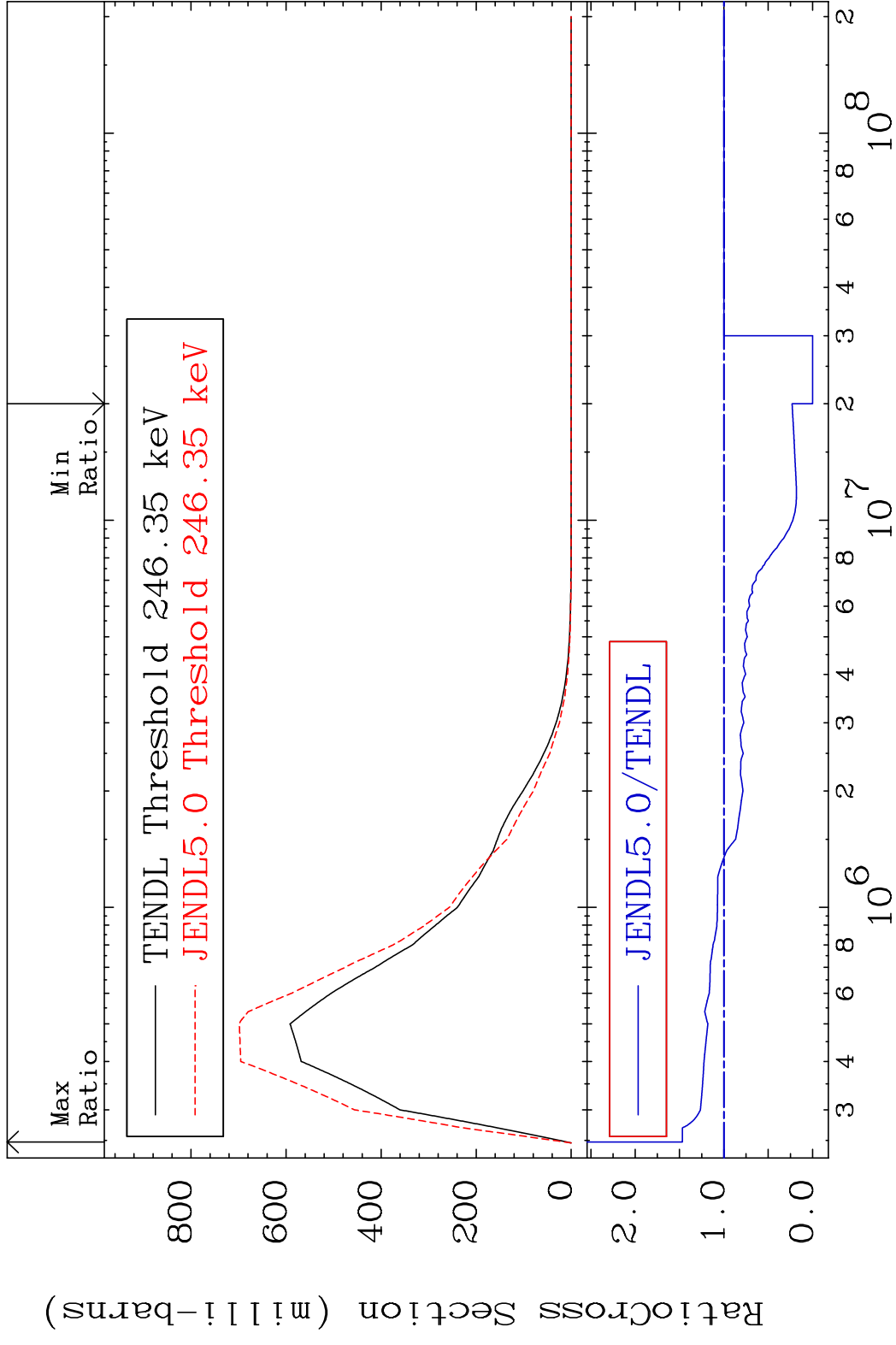
MAT 4628 (n,2n) p 46-Pd-103  
 Cross Section -100.0 To 0.000 %



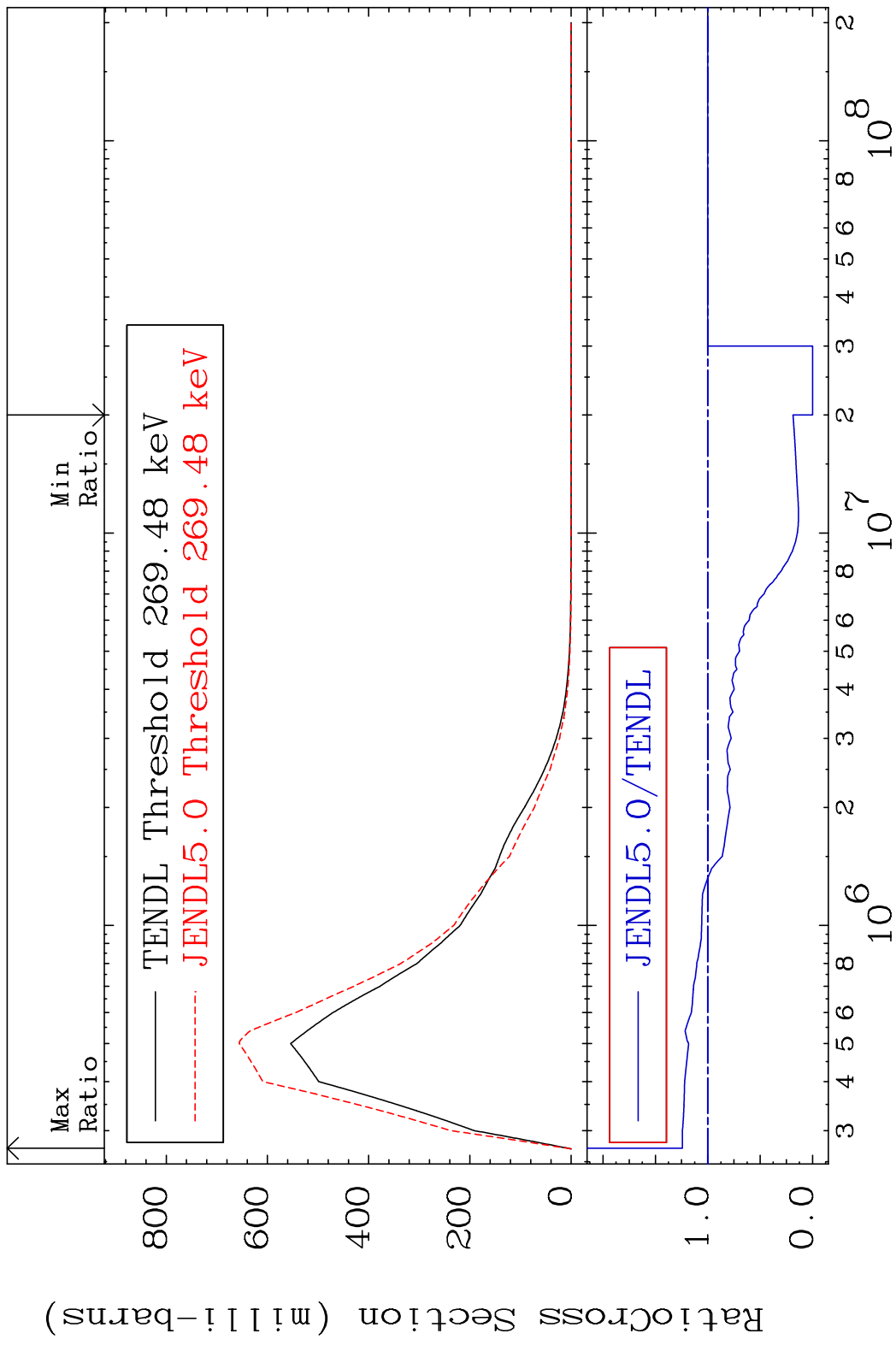
MAT 4628 MT= 51 (n,n') Level 46-Pd-103  
 Cross Section -100.0 To 44.07 %



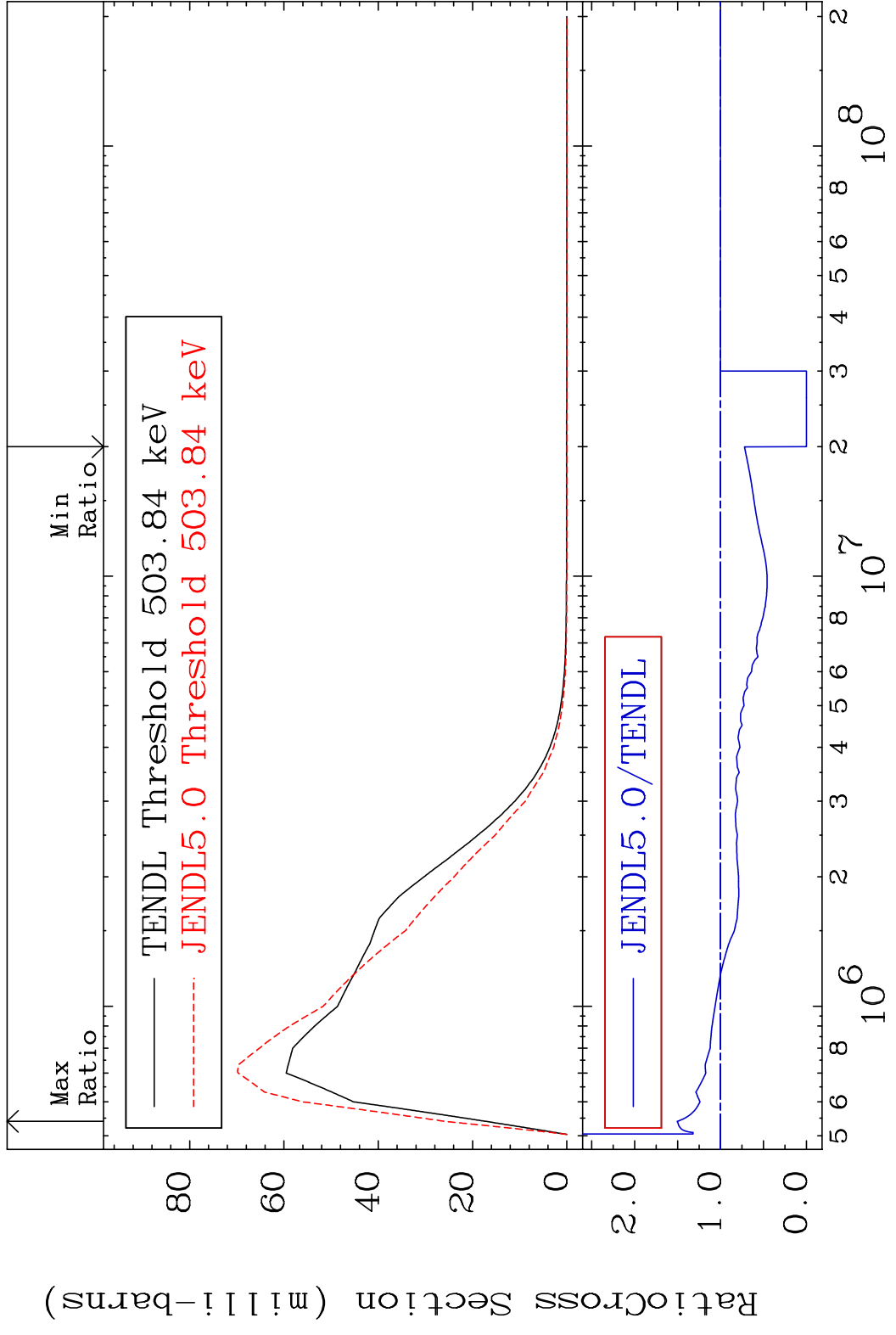
MAT 4628 MT= 52 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 46.81 %



MAT 4628 MT= 53 (n,n') Level 46-Pd-103  
 Cross Section -100.0 To 24.26 %

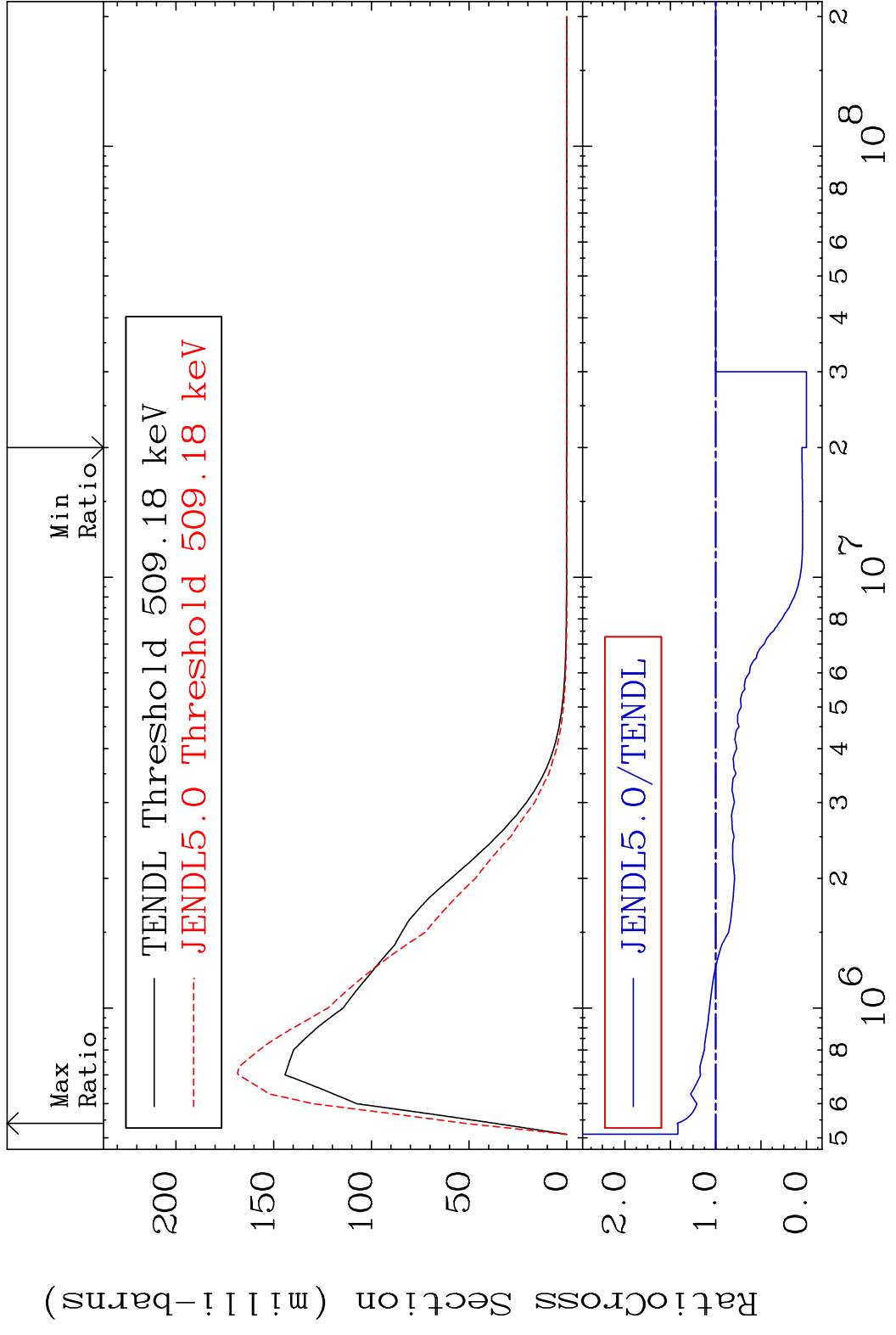


MAT 4628 MT= 54 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 50.48 %

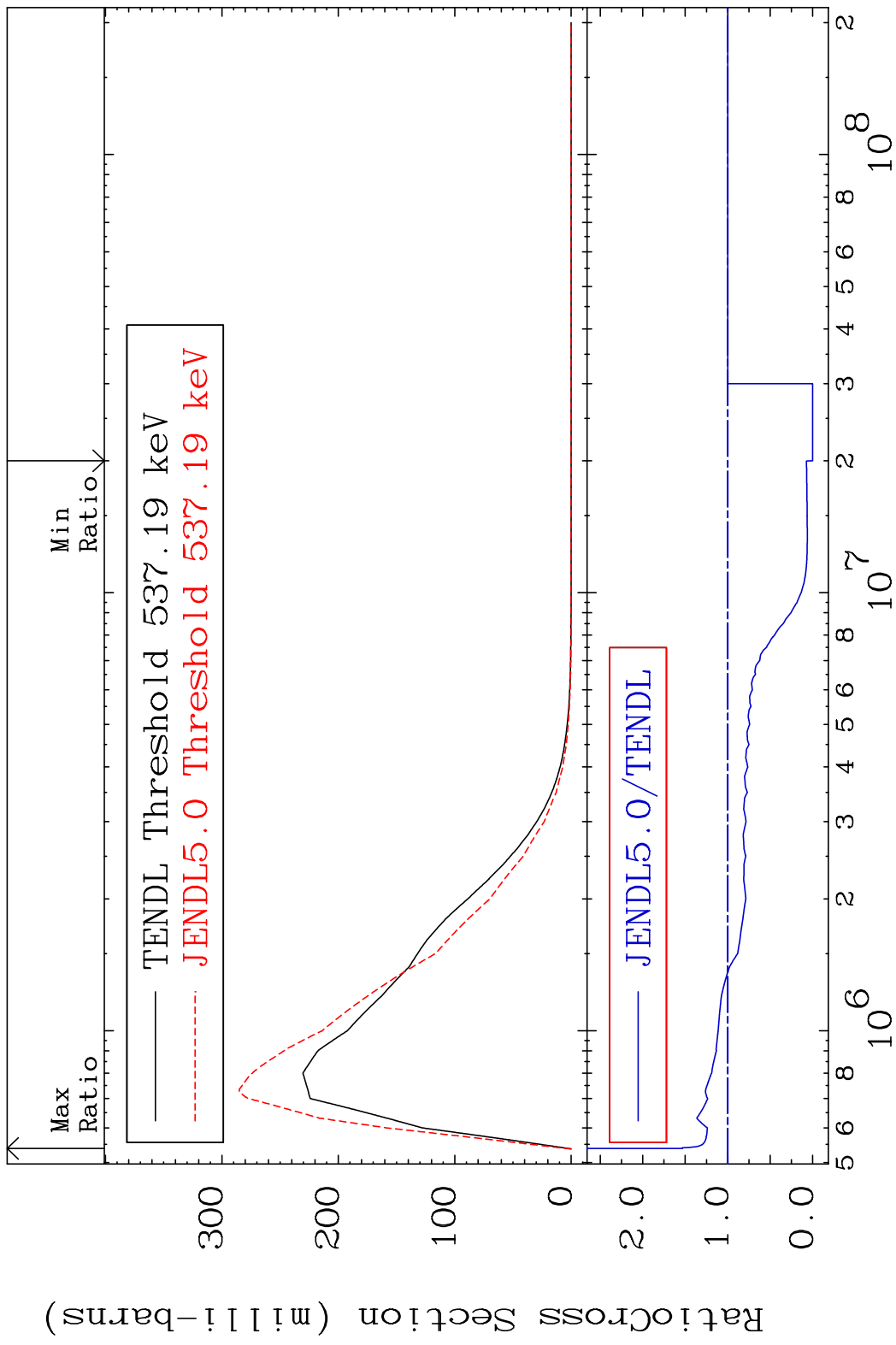




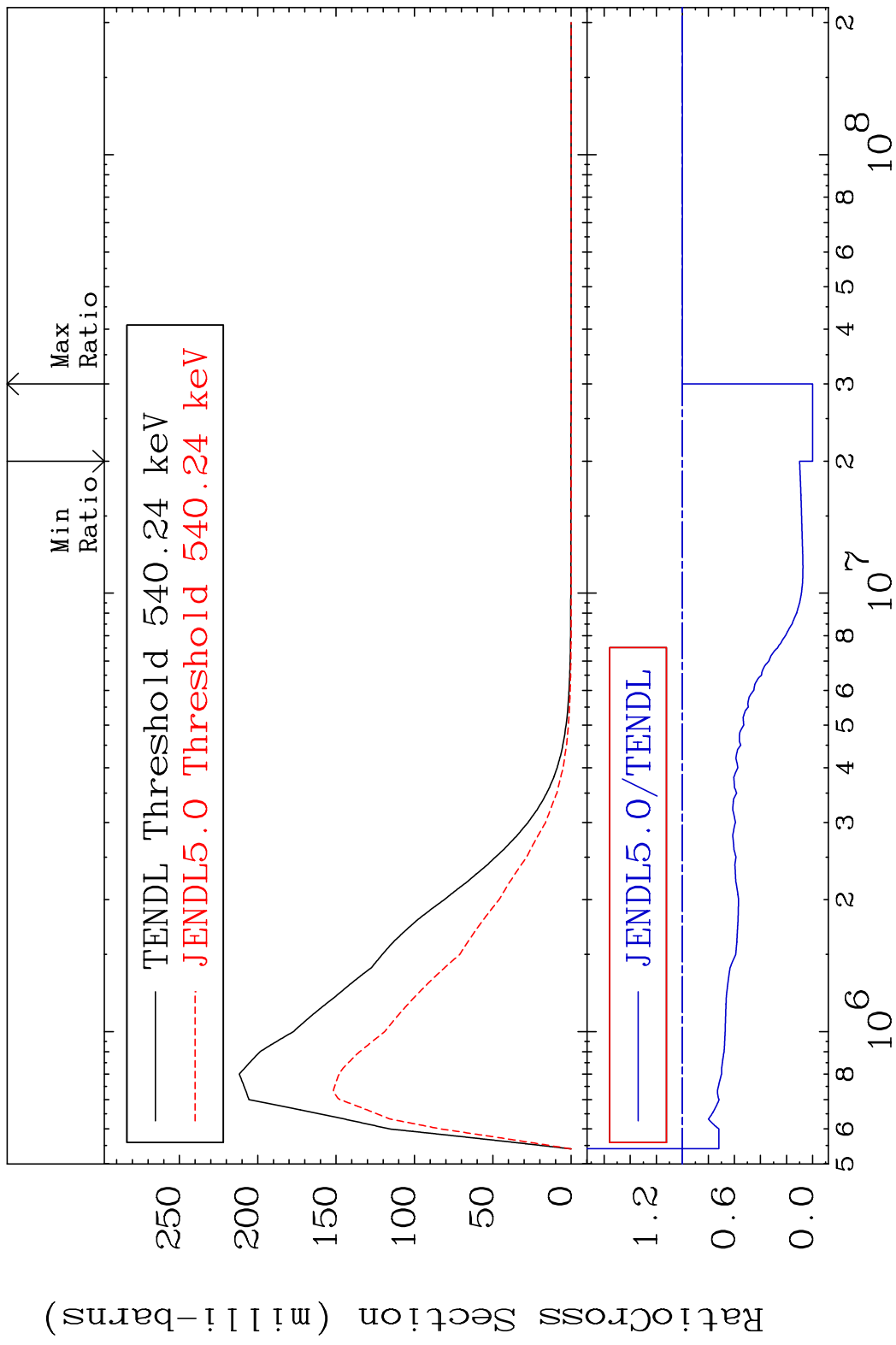
MAT 4628 MT= 55 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 42.46 %



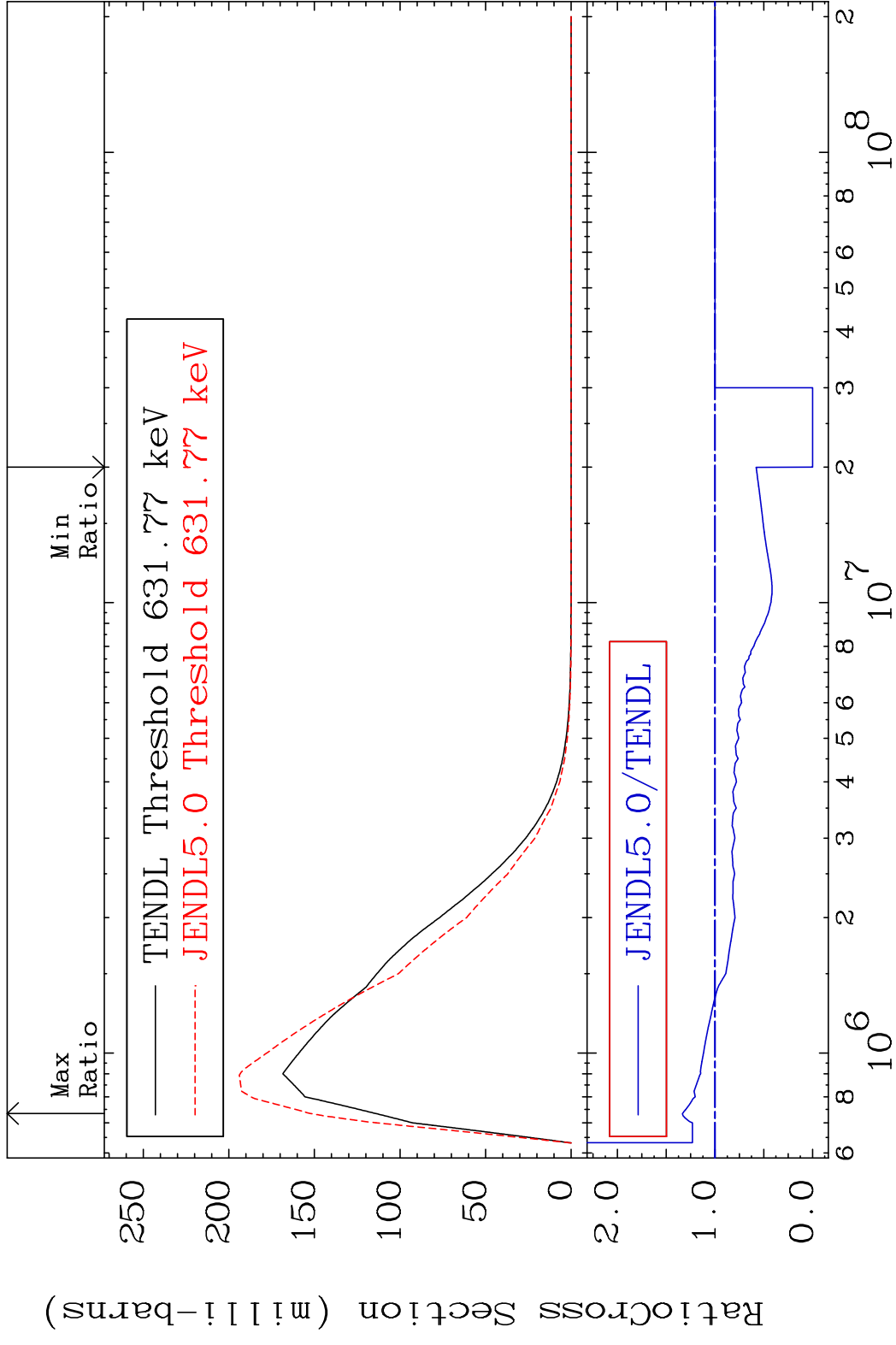
MAT 4628 MT= 56 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 53.40 %



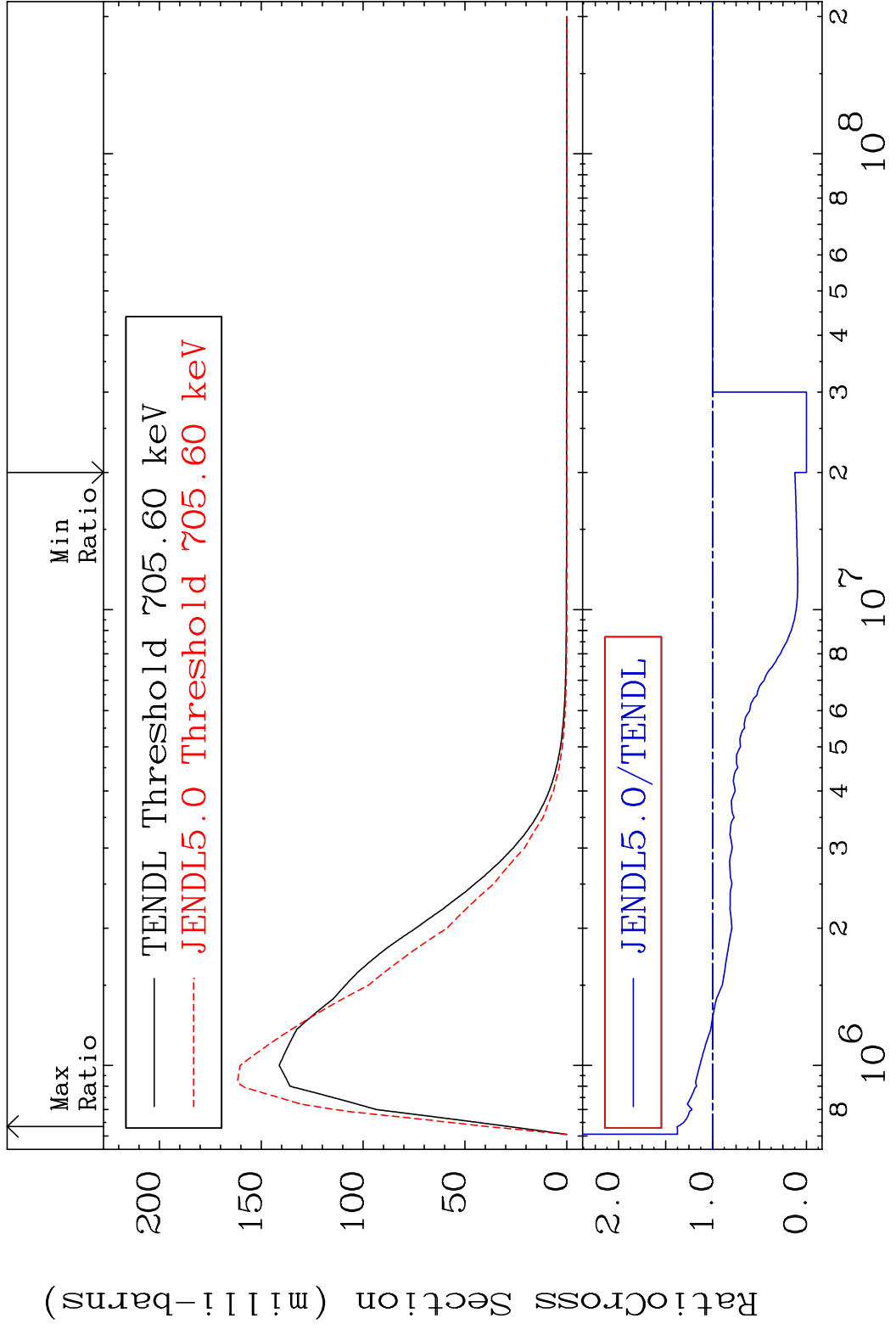
MAT 4628 MT= 57 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 0.000 %



MAT 4628 MT= 58 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 33.48 %

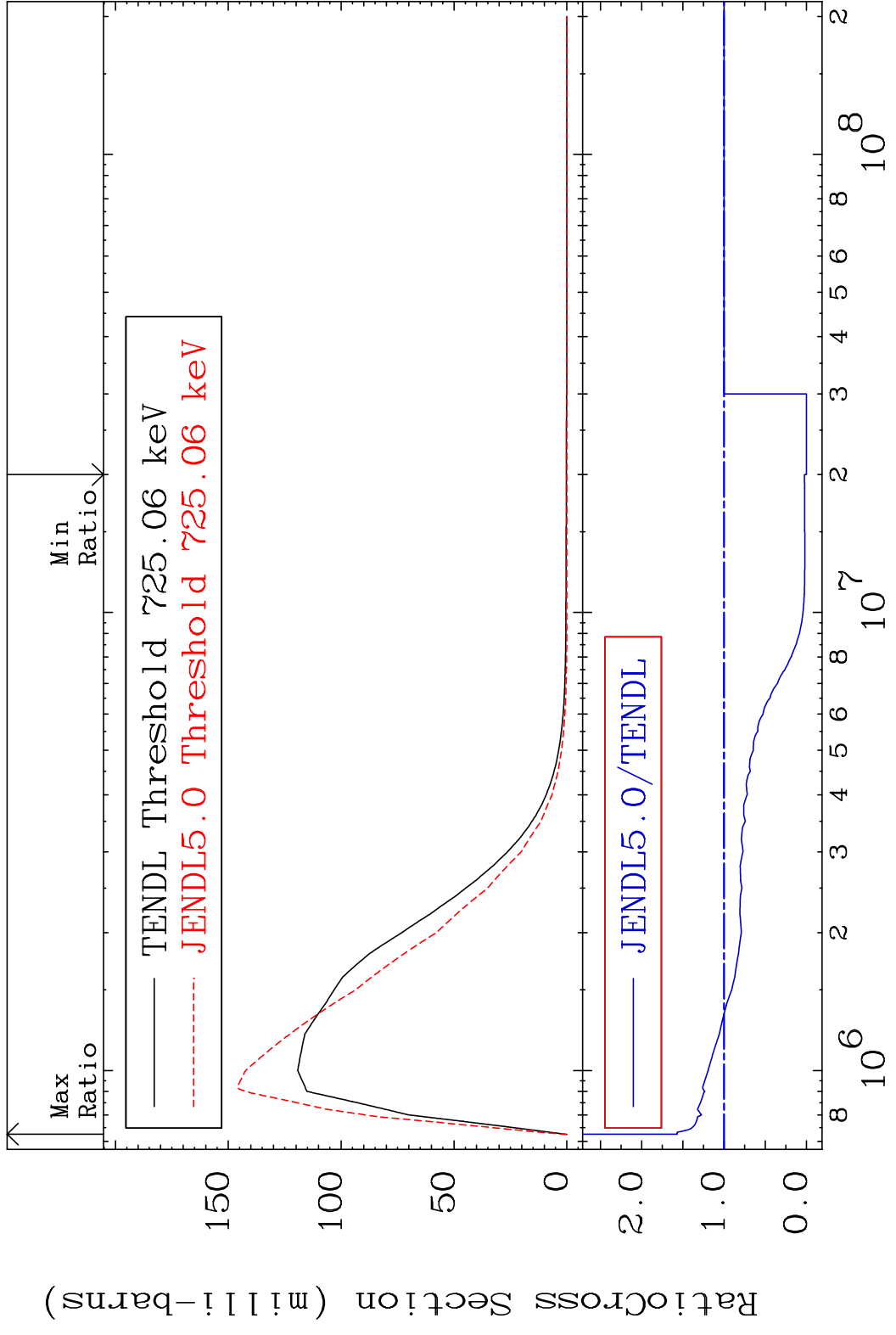


MAT 4628 MT= 59 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 37.68 %

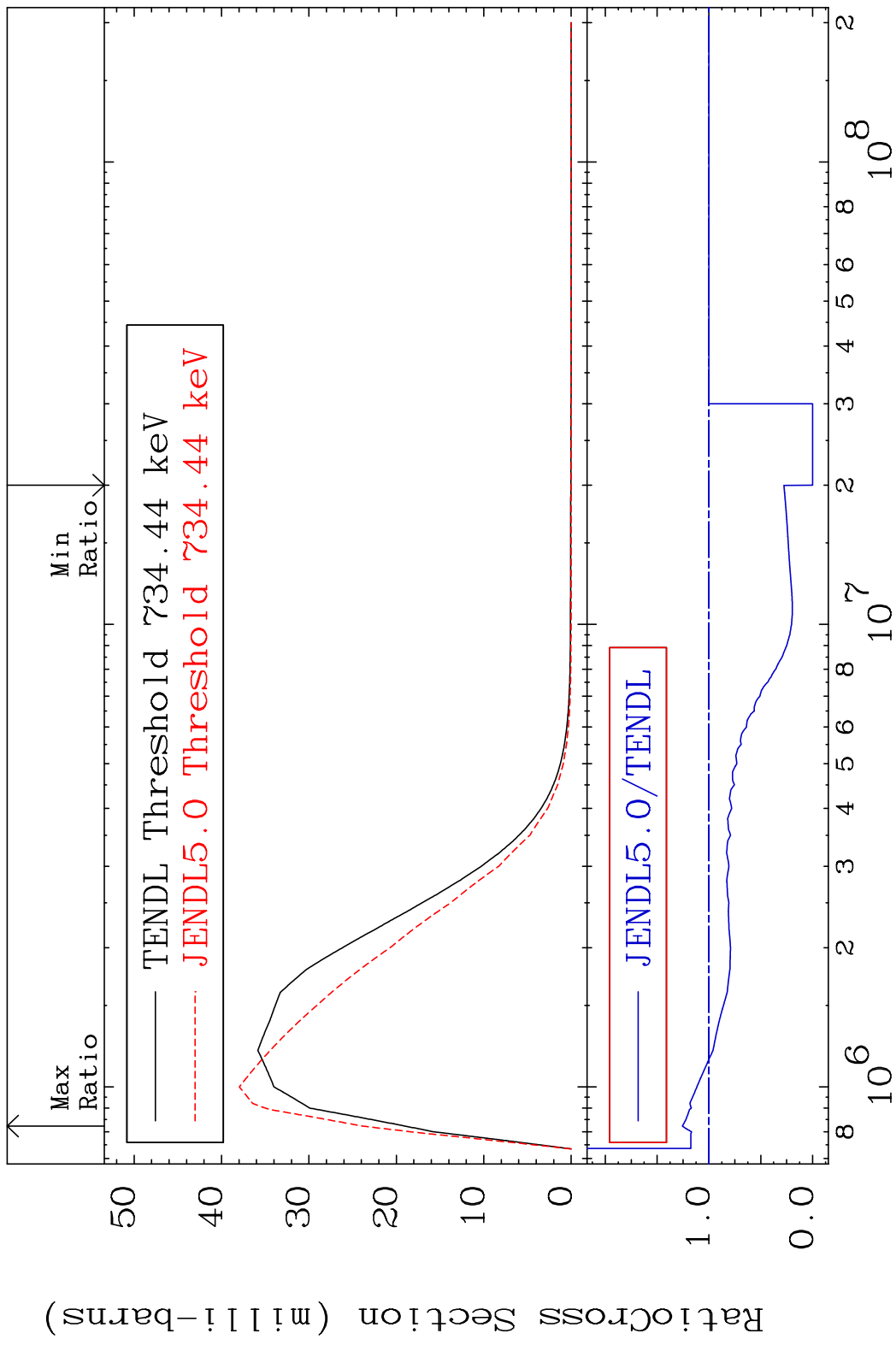


20 Incident Energy (eV) 46-Pd-103

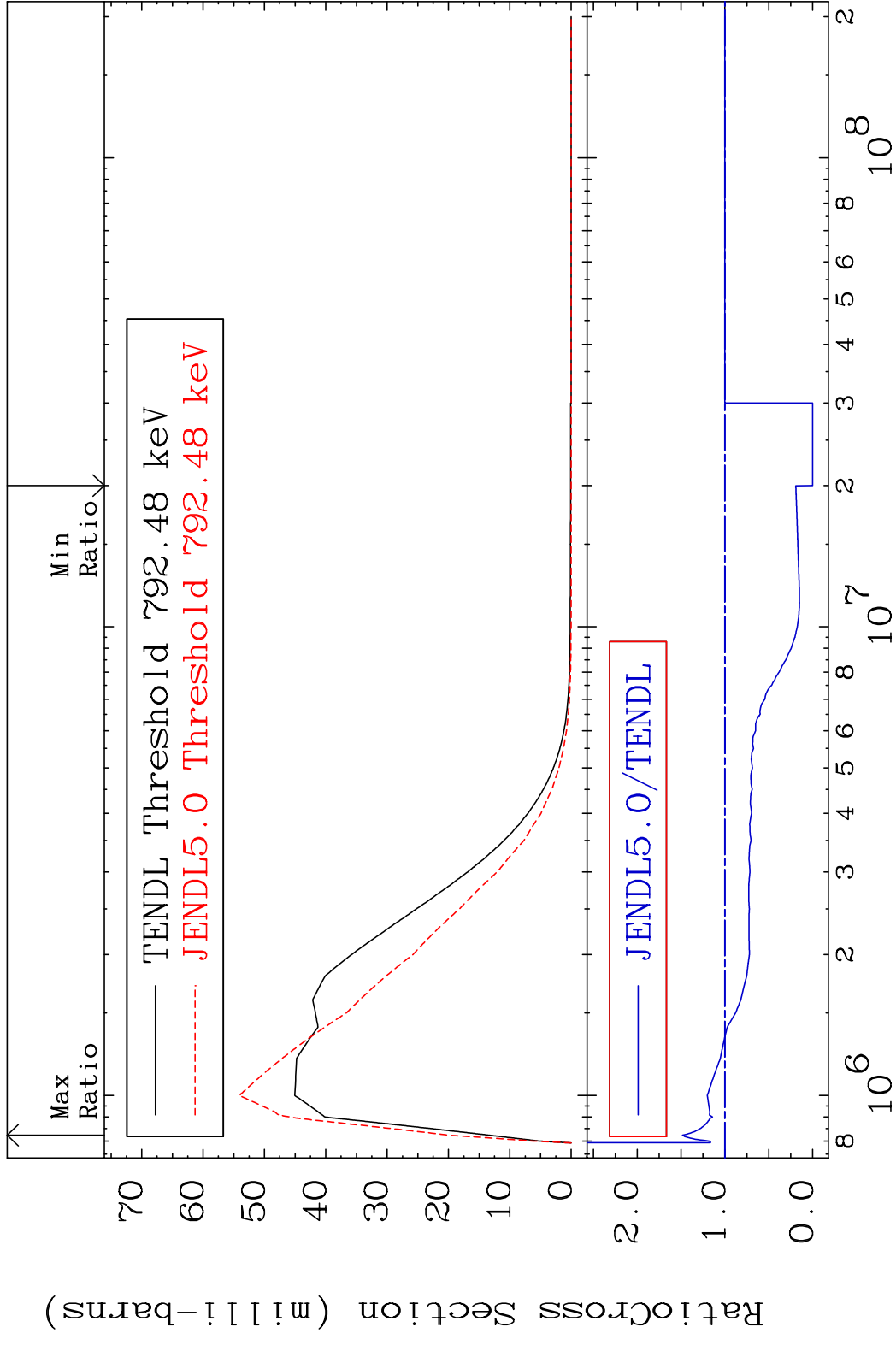
MAT 4628 MT= 60 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 56.91 %



MAT 4628 MT= 61 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 25.64 %

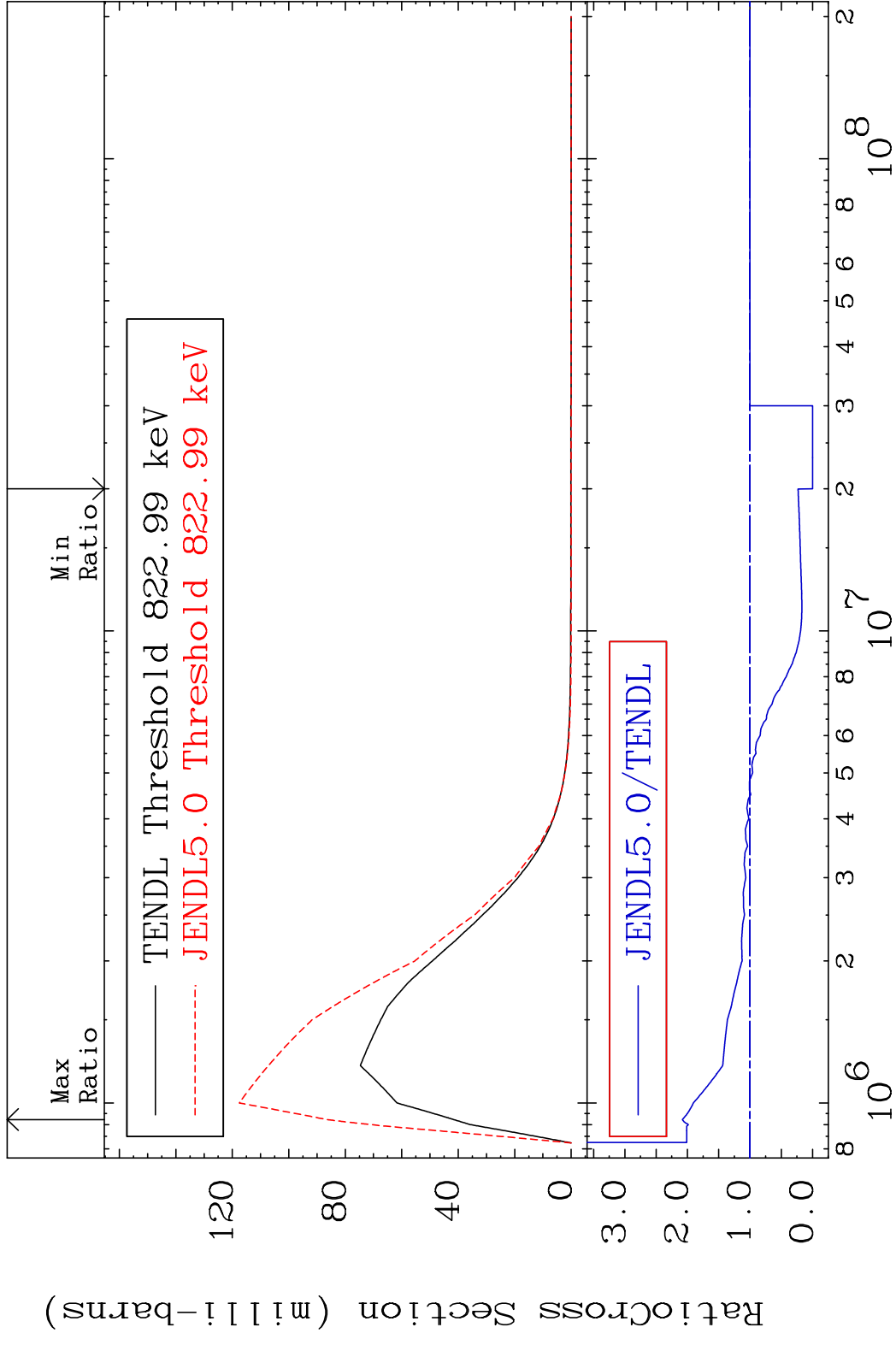


MAT 4628 MT= 62 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 48.56 %



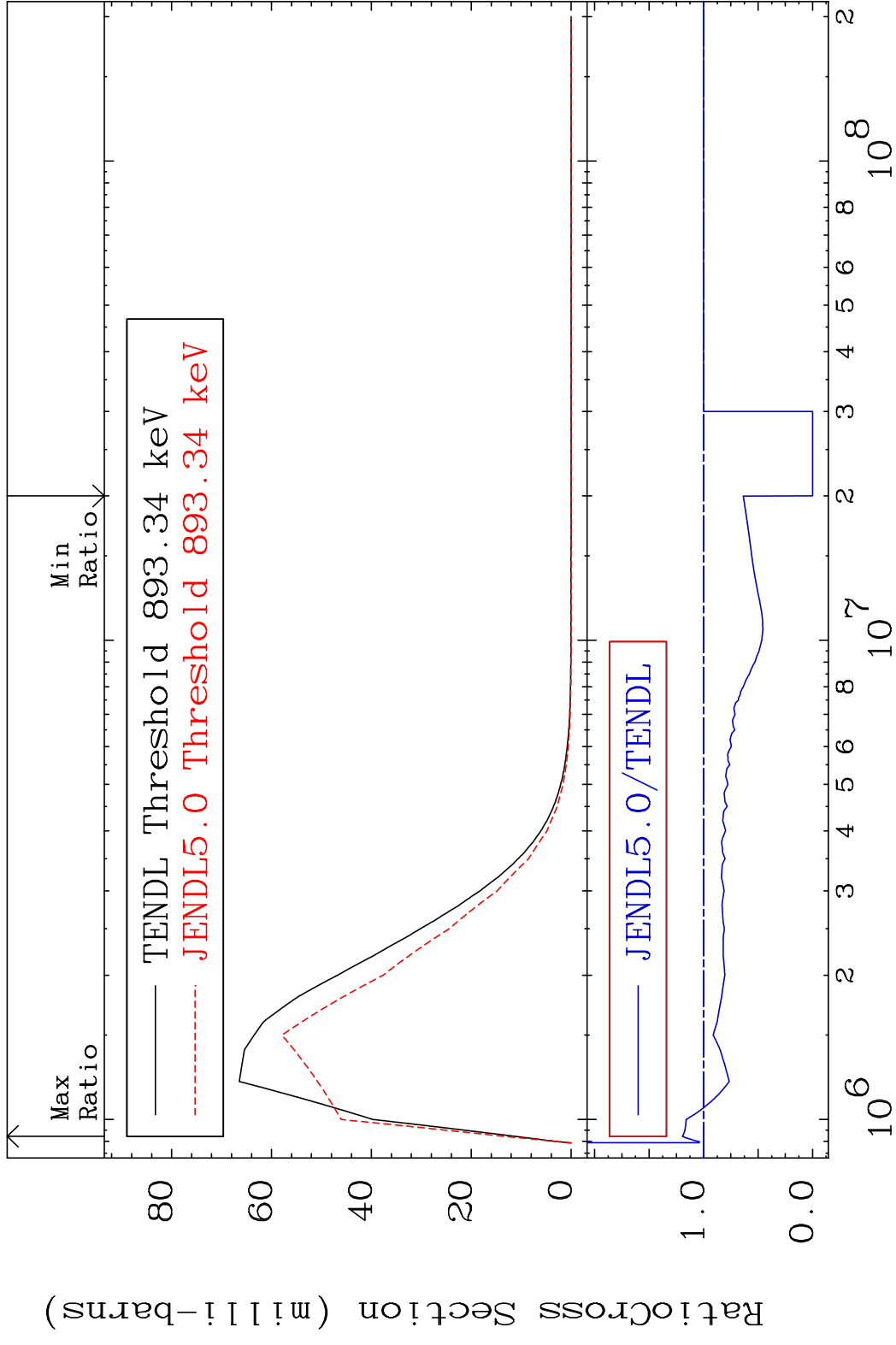


MAT 4628 MT= 63 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 108.1 %

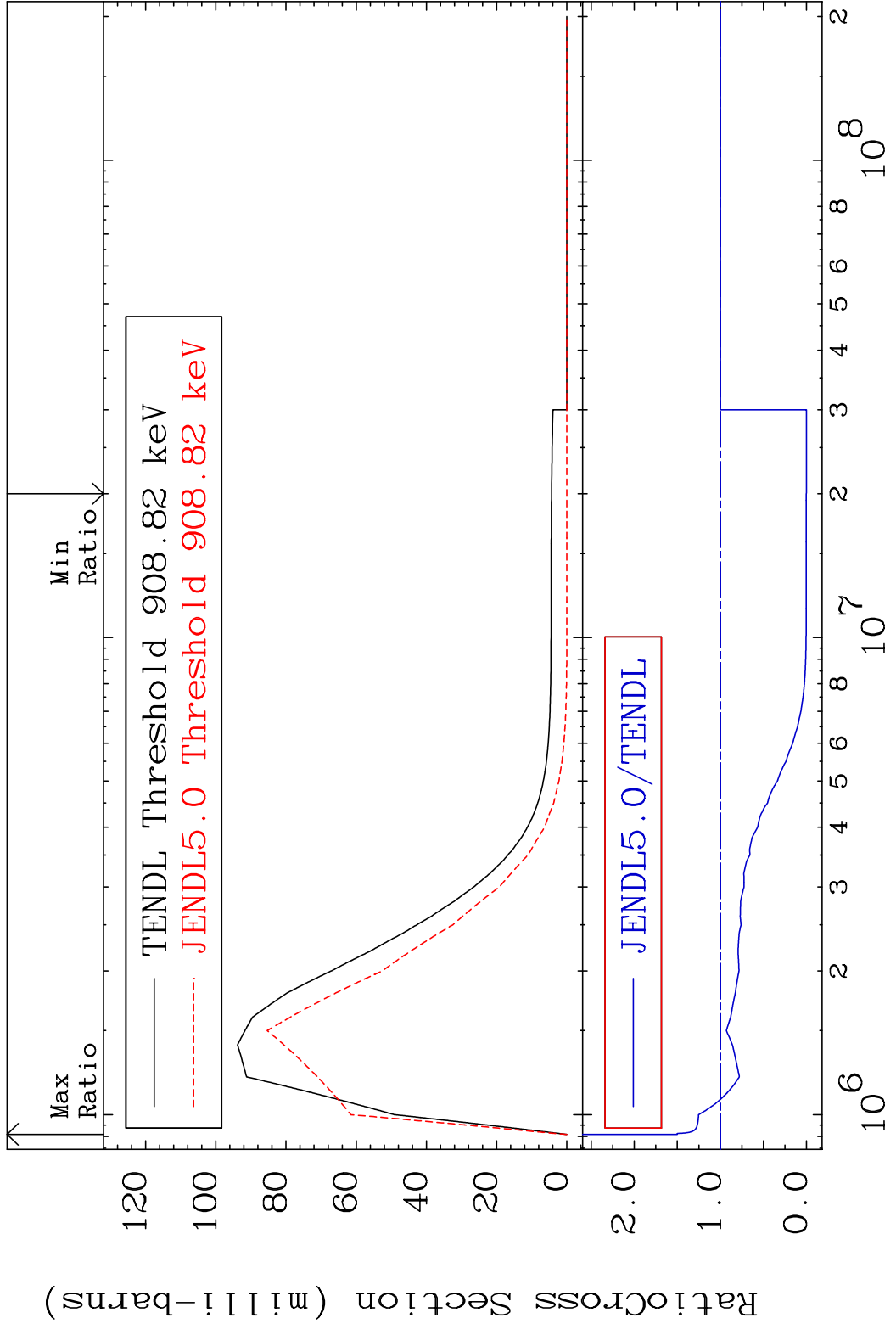


24 Incident Energy (eV) 46-Pd-103

MAT 4628 MT= 64 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 19.51 %

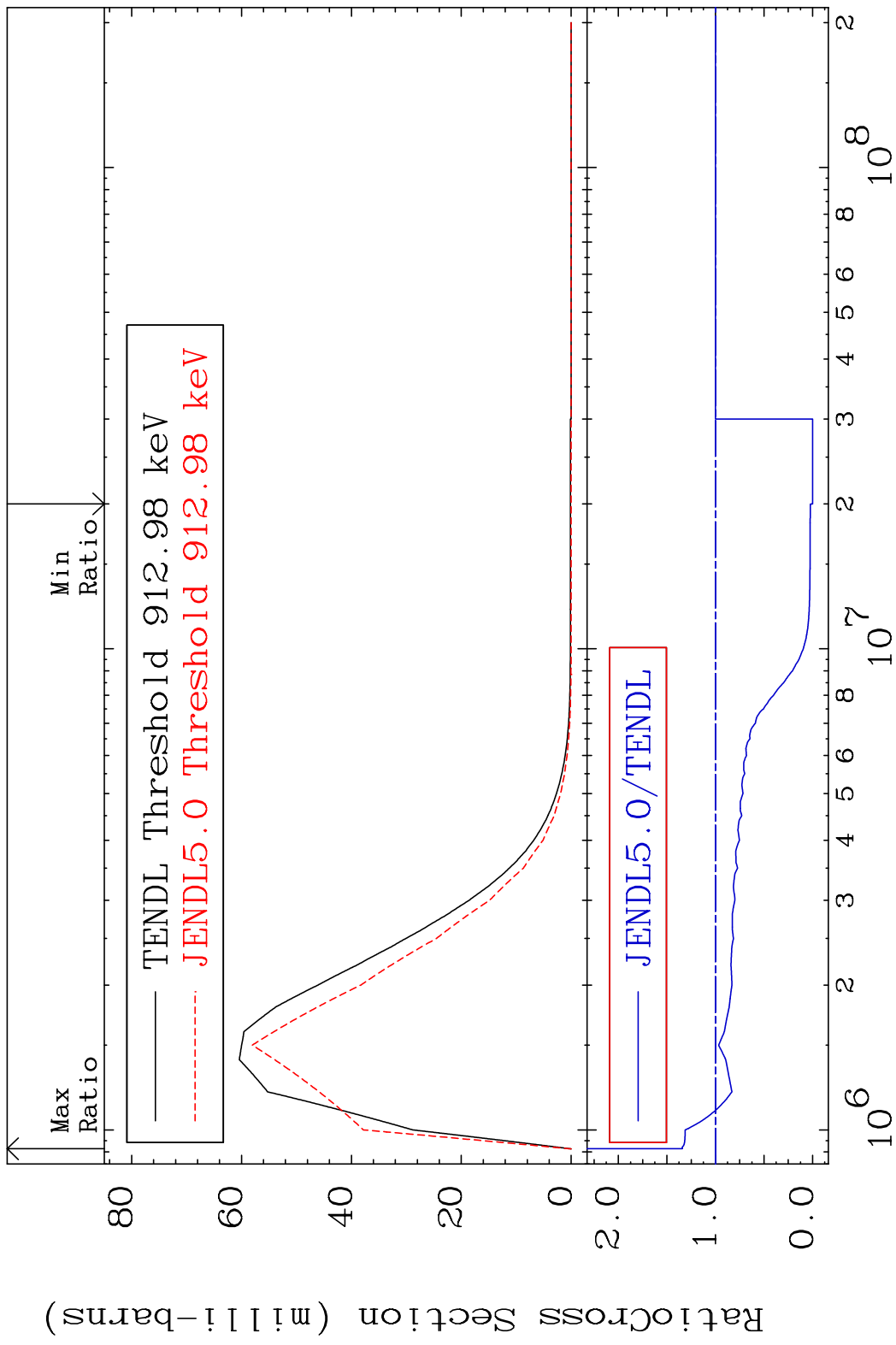


MAT 4628 MT= 65 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 50.16 %



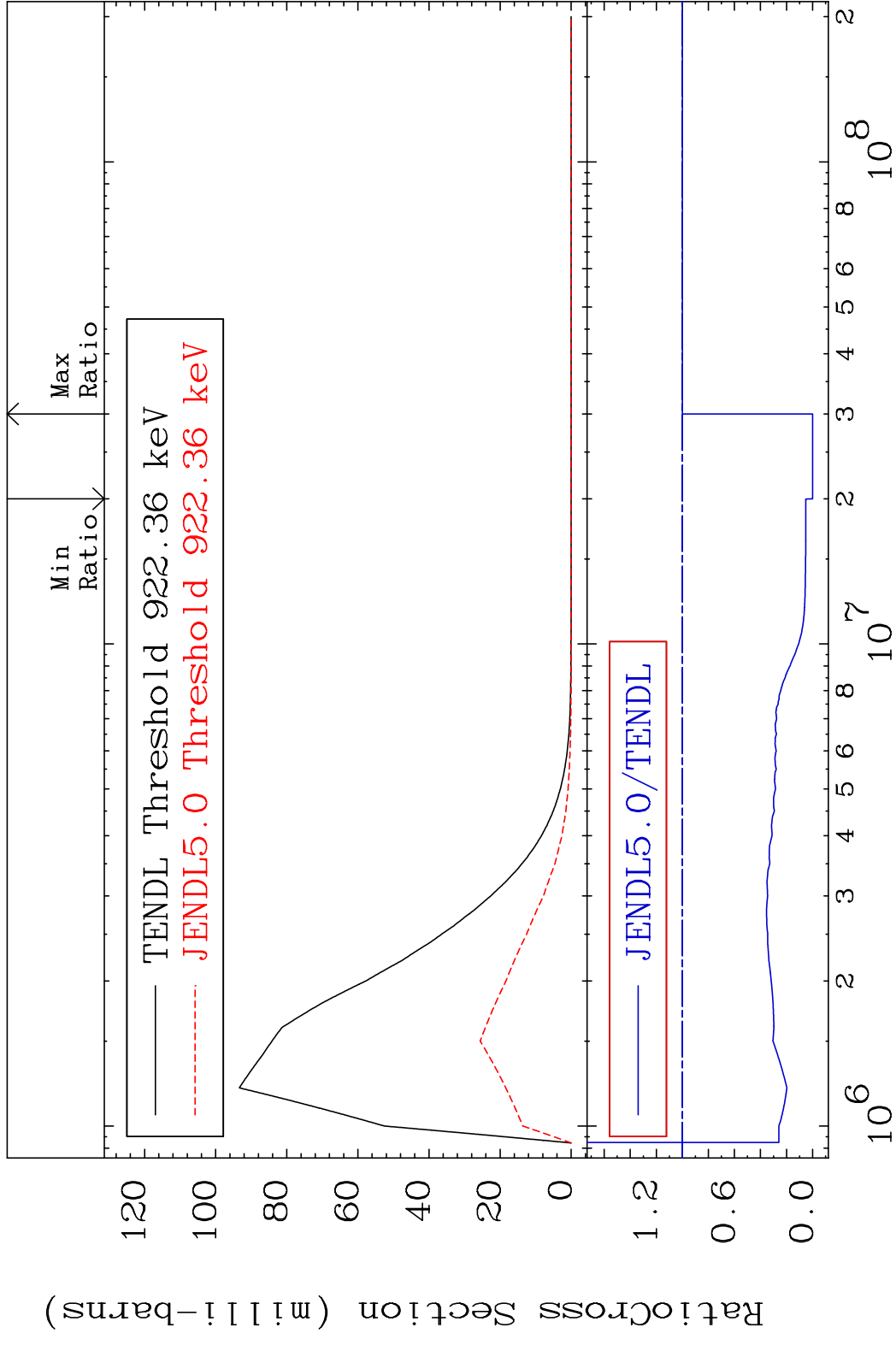
26 Incident Energy (eV) 46-Pd-103

MAT 4628 MT= 66 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 34.10 %



27 Incident Energy (eV) 46-Pd-103

MAT 4628 MT= 67 (n, n') Level 46-Pd-103  
 Cross Section -100.0 To 0.000 %

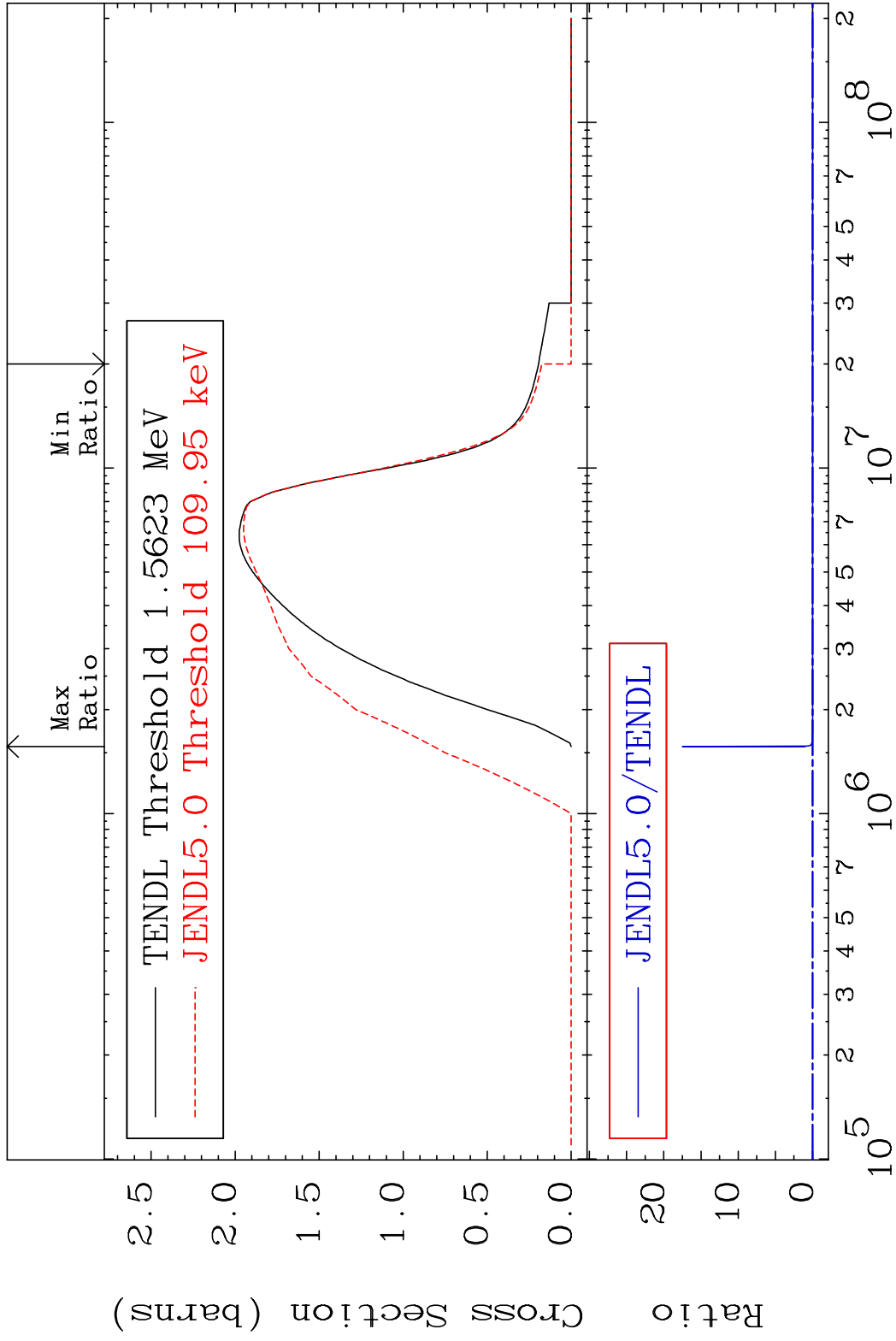


MAT 4628

(n, n') Continuum

46-Pd-103

Cross Section -100.0 To 9999. %



29

Incident Energy (eV)

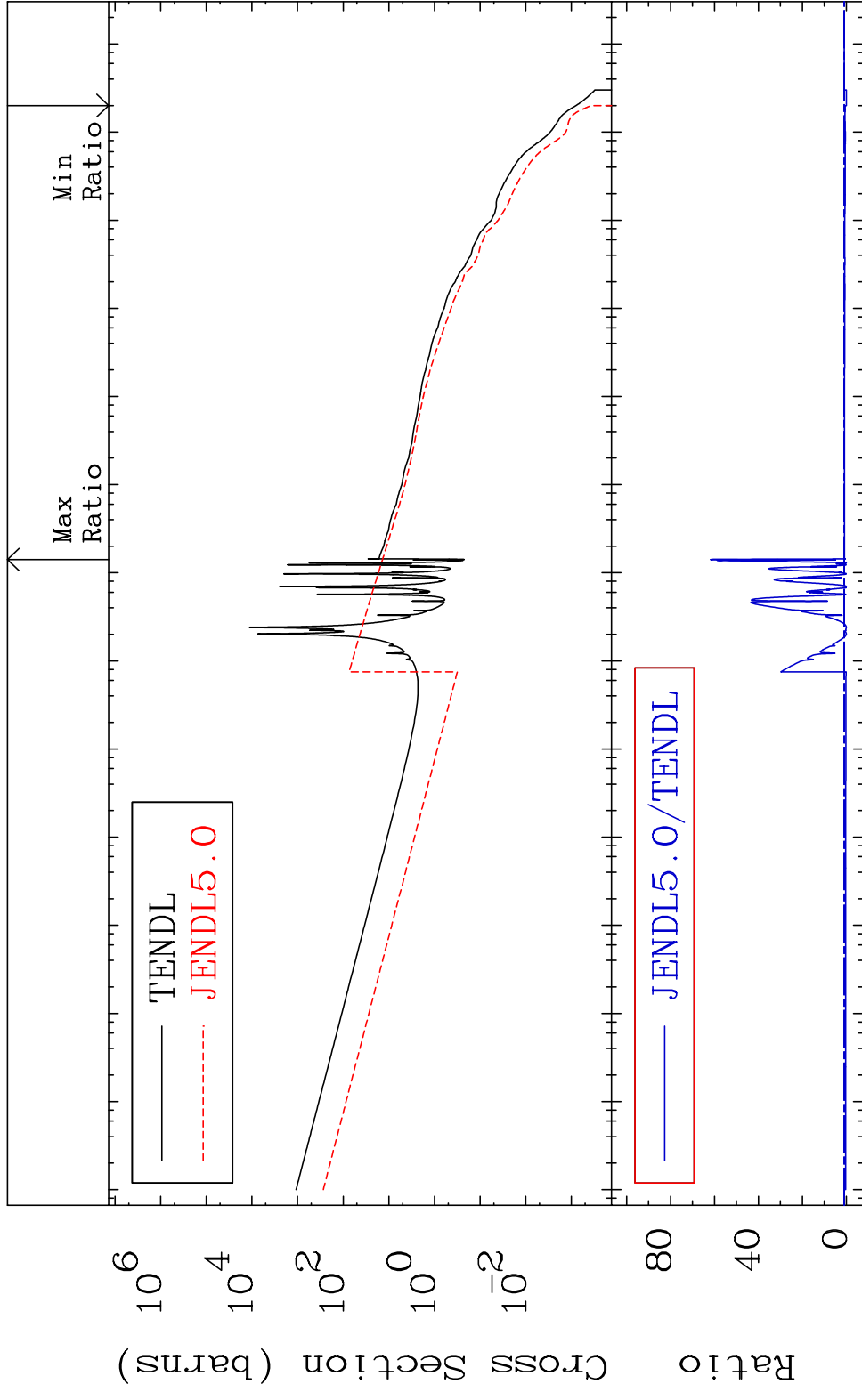
46-Pd-103

MAT 4628

46-Pd-103

(n,  $\gamma$ )

Cross Section -100.0 To 6071. %



30

Incident Energy (eV)

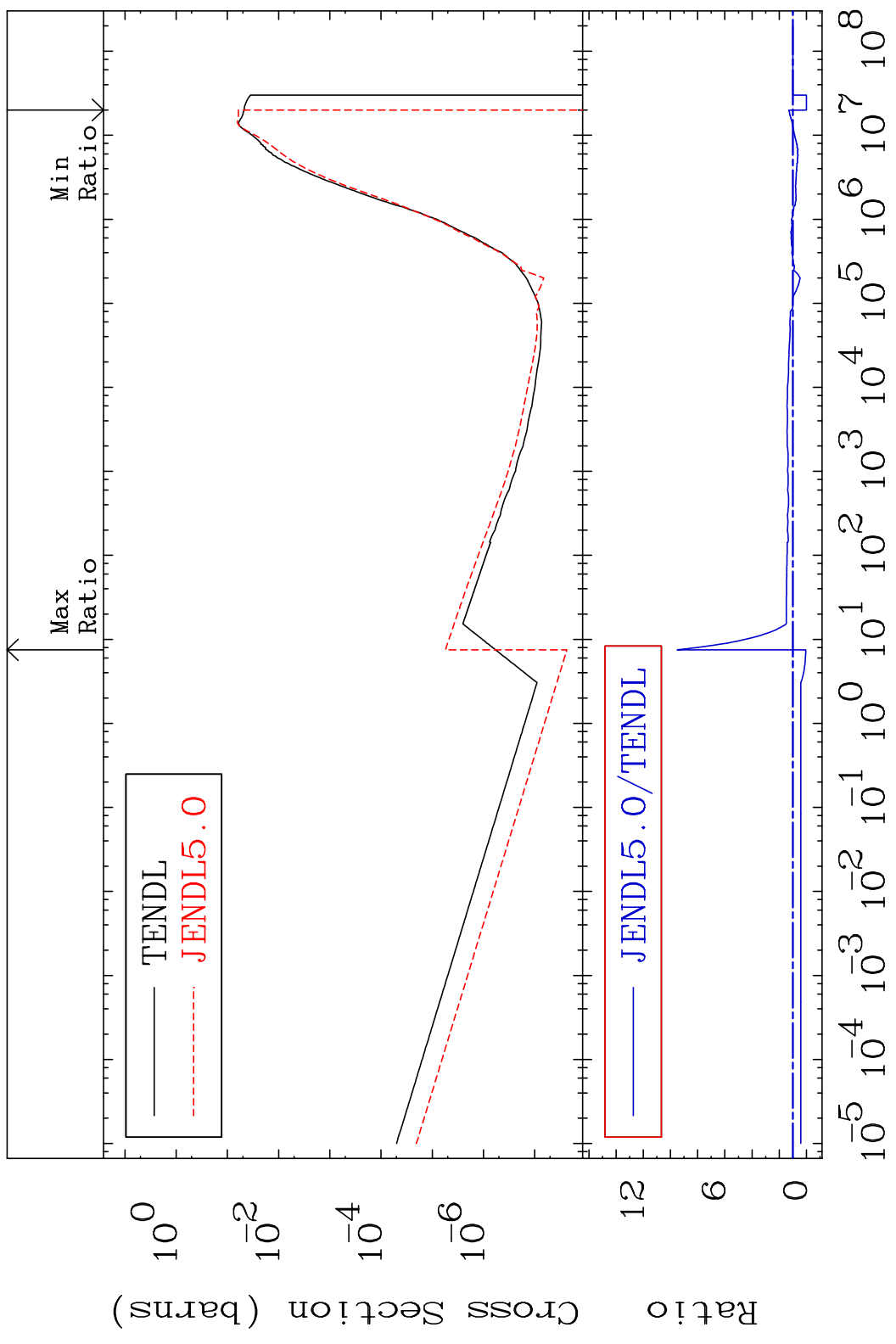
46-Pd-103

MAT 4628

(n, p)

46-Pd-103

Cross Section -100.0 To 850.7 %



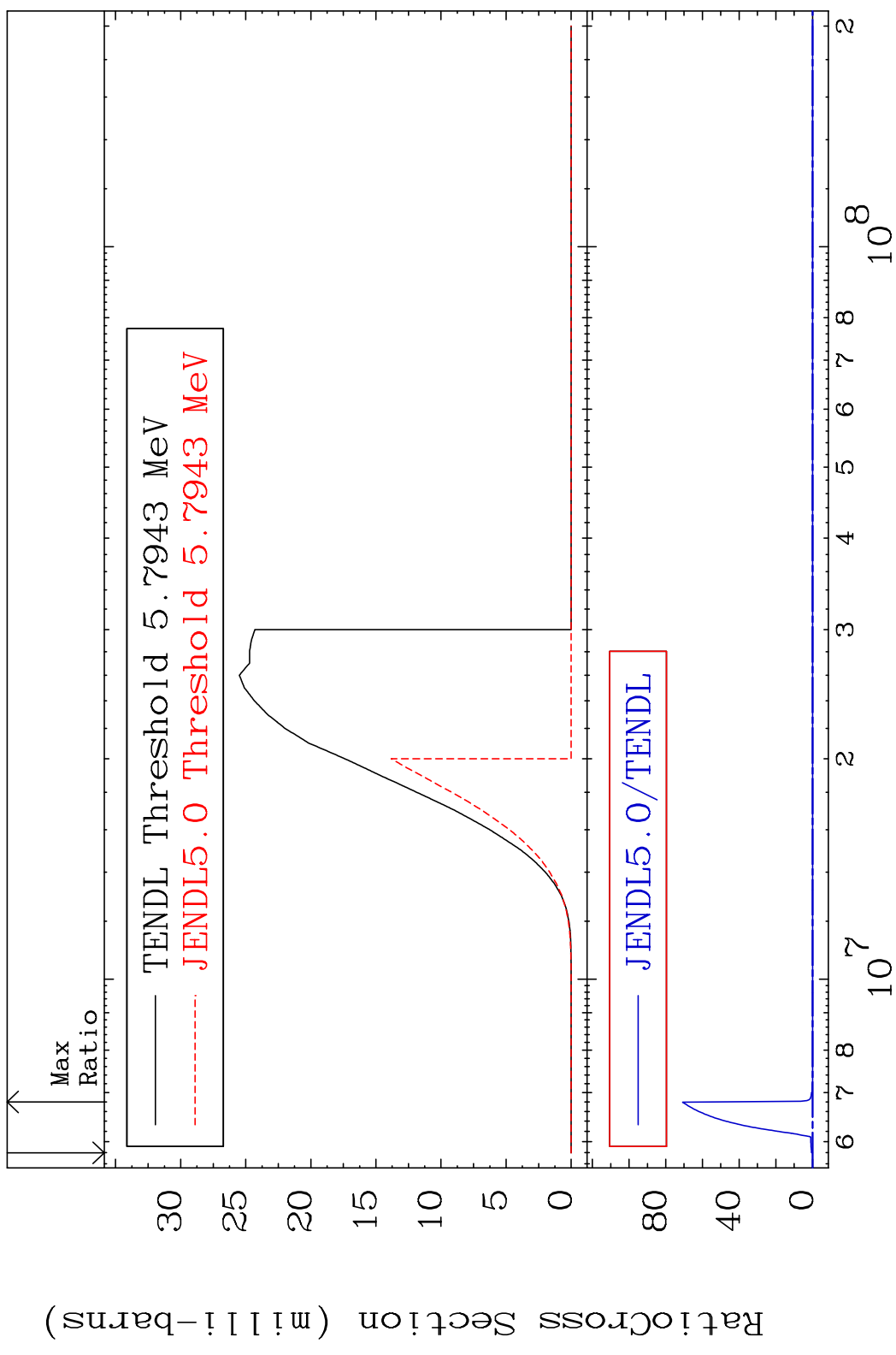


MAT 4628

(n,d)

46-Pd-103

Cross Section -100.0 To 9999. %

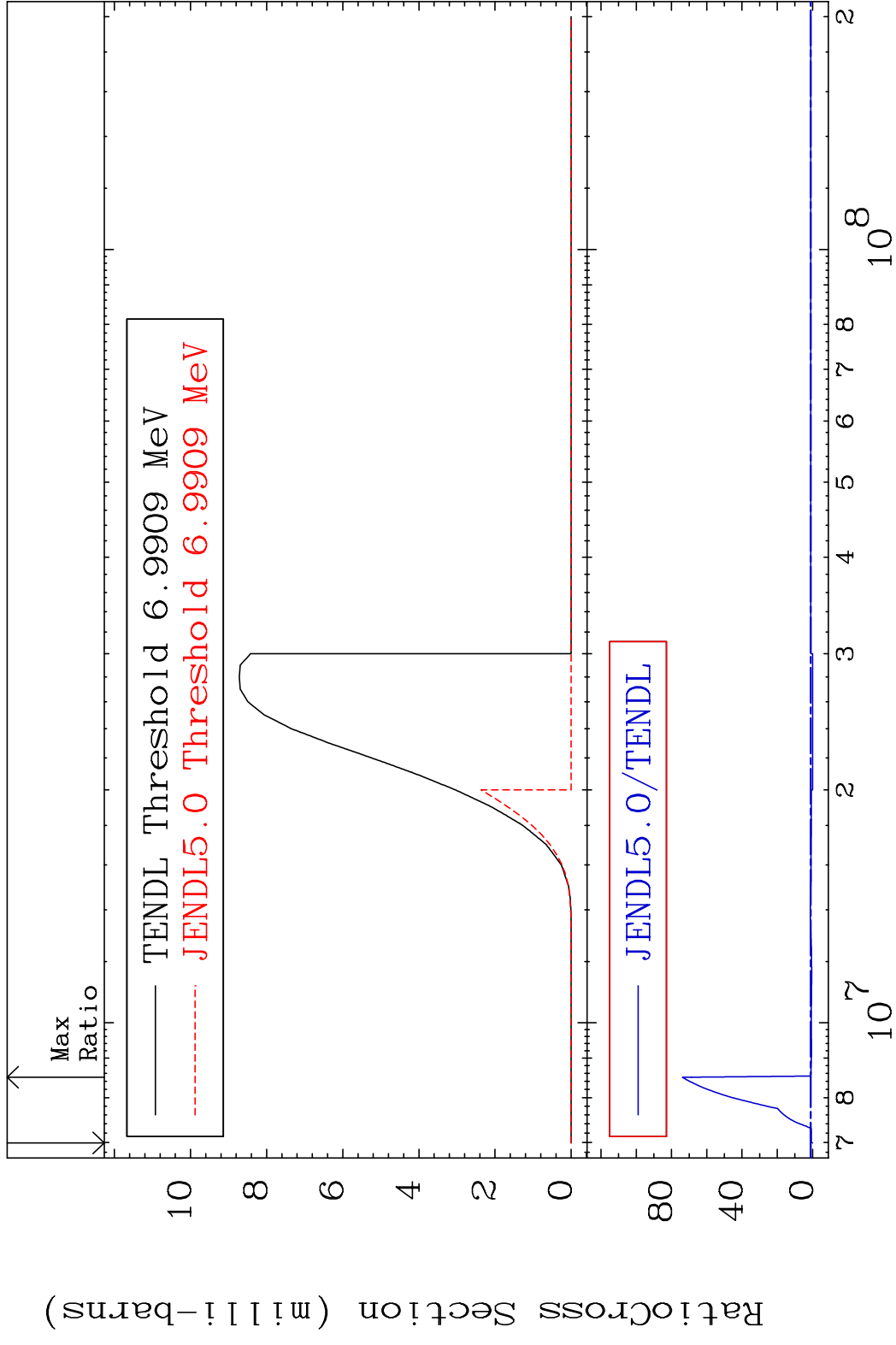


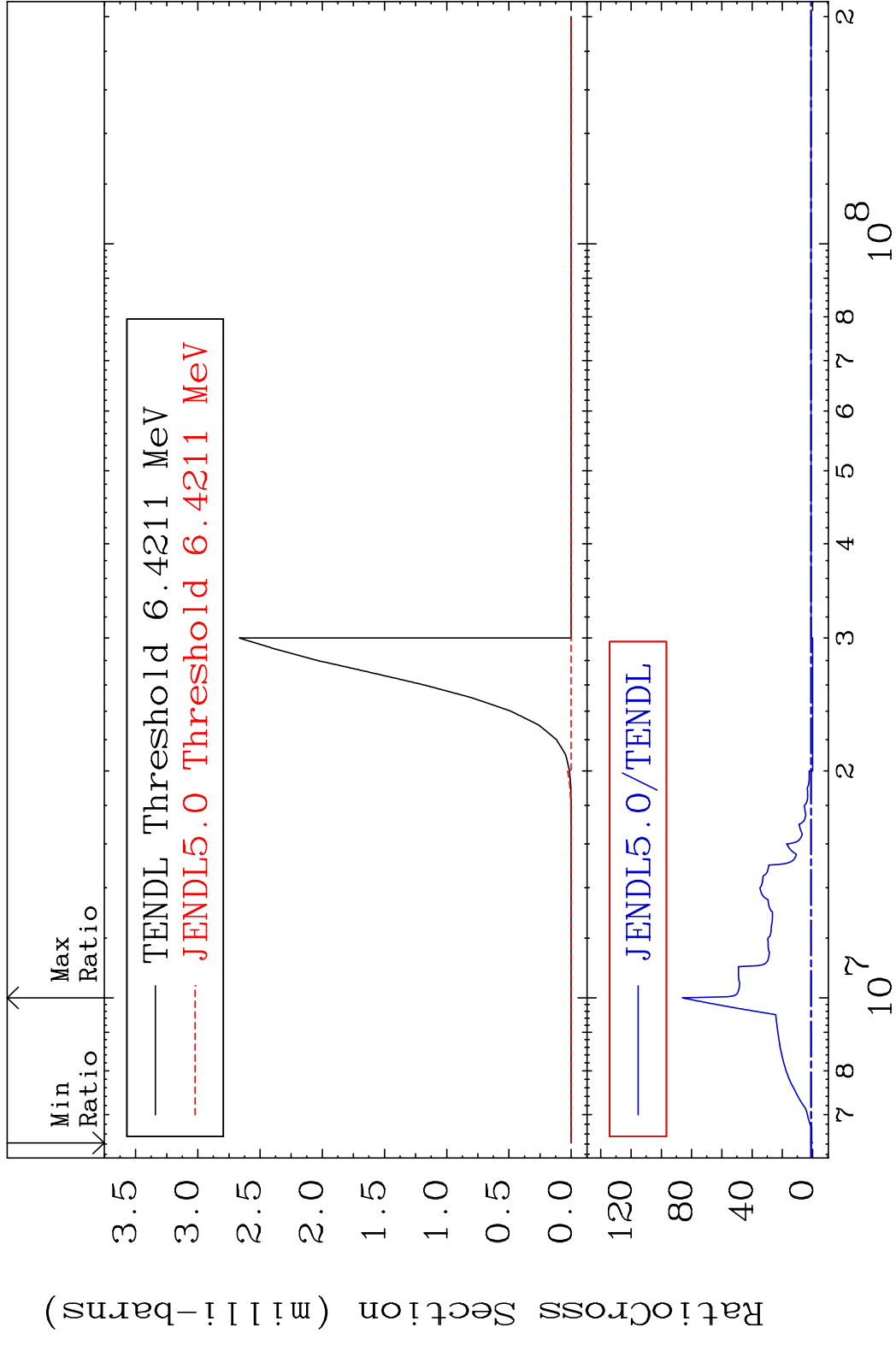
32

Incident Energy (eV)

46-Pd-103

MAT 4628 (n, t) 46-Pd-103  
 Cross Section -100.0 To 7284. %

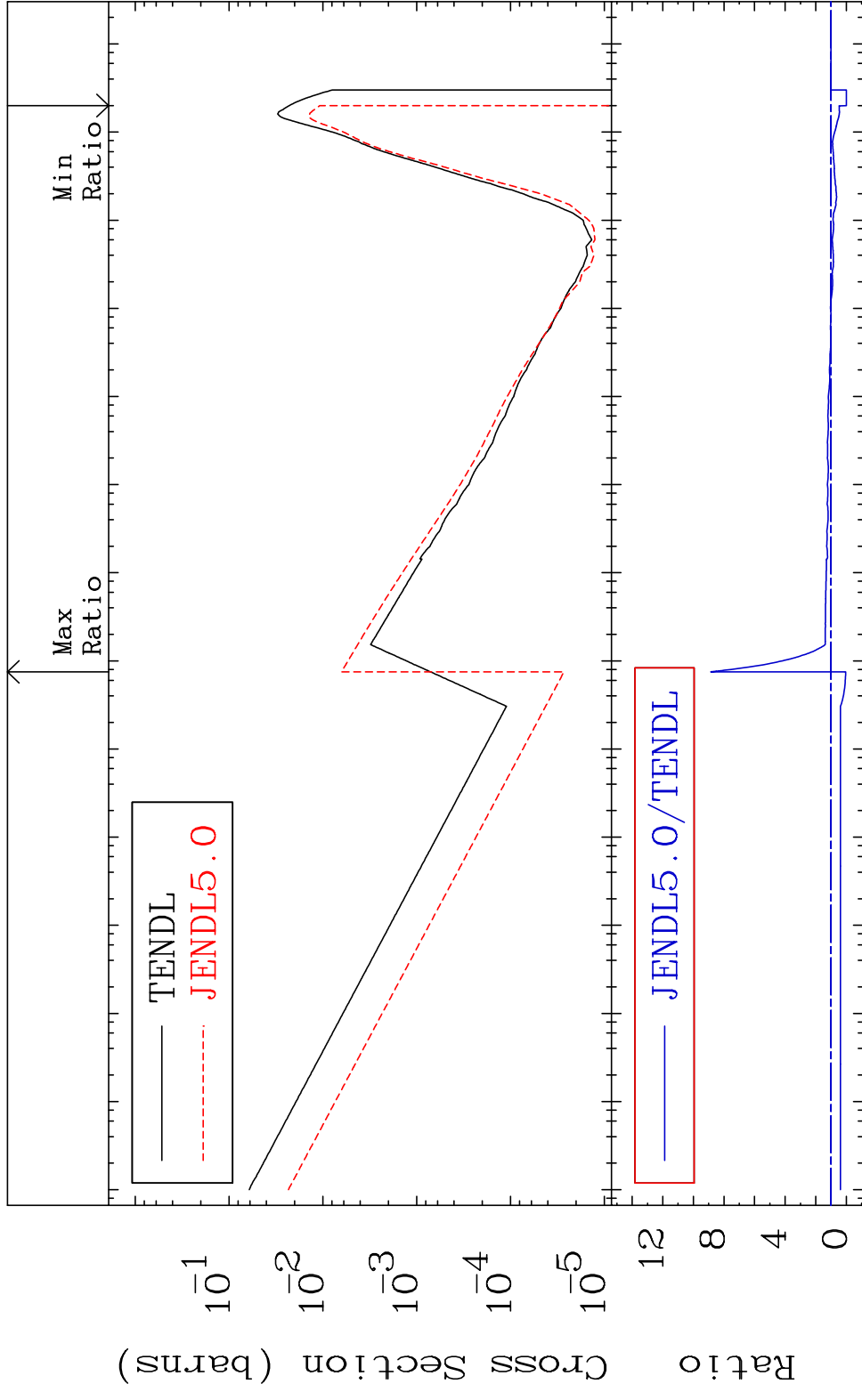




MAT 4628

(n,  $\alpha$ )  
Cross Section -100.0 To 786.5 %

46-Pd-103

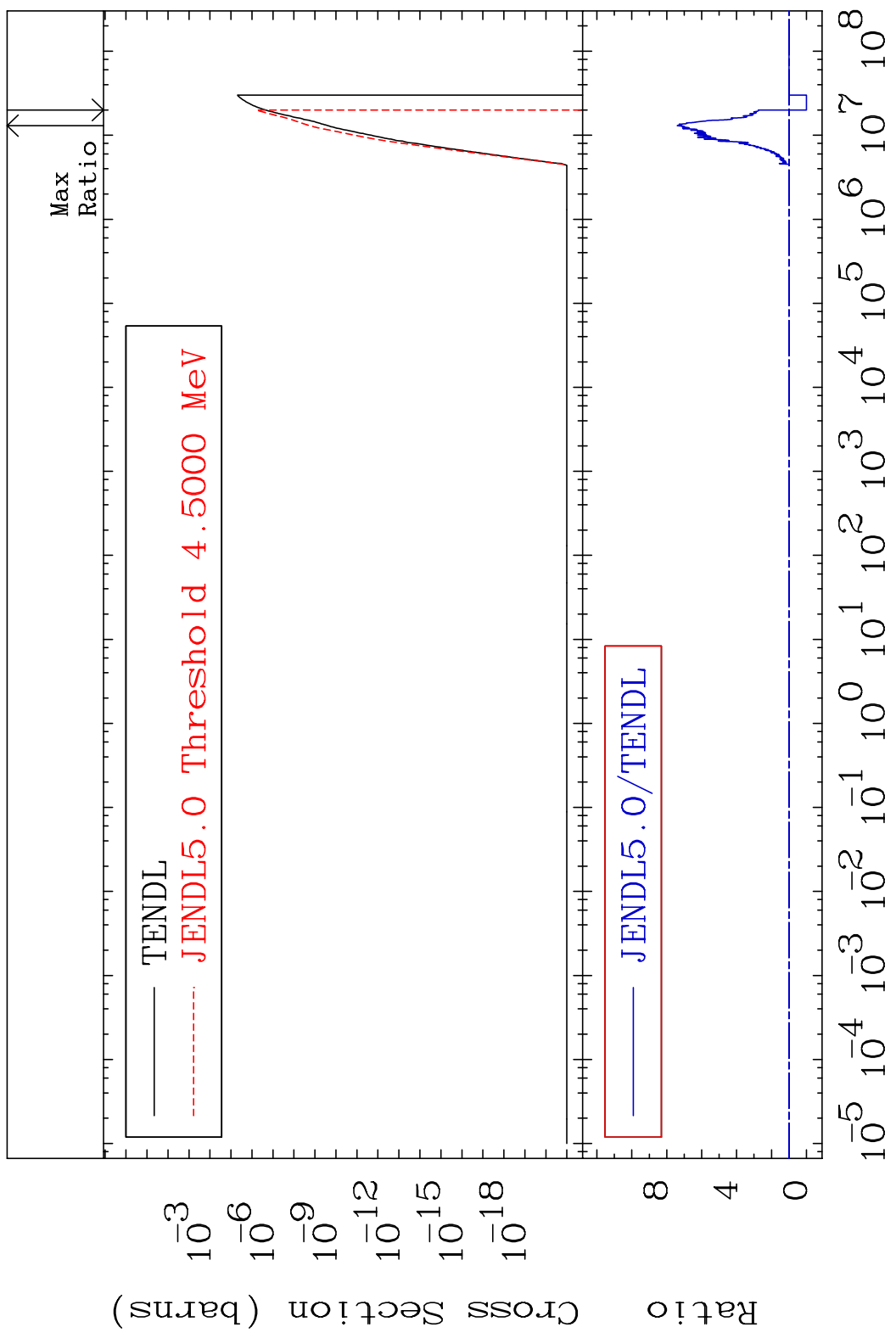


MAT 4628

(n, 2α)

46-Pd-103

Cross Section -100.0 To 640.2 %



36

Incident Energy (eV)

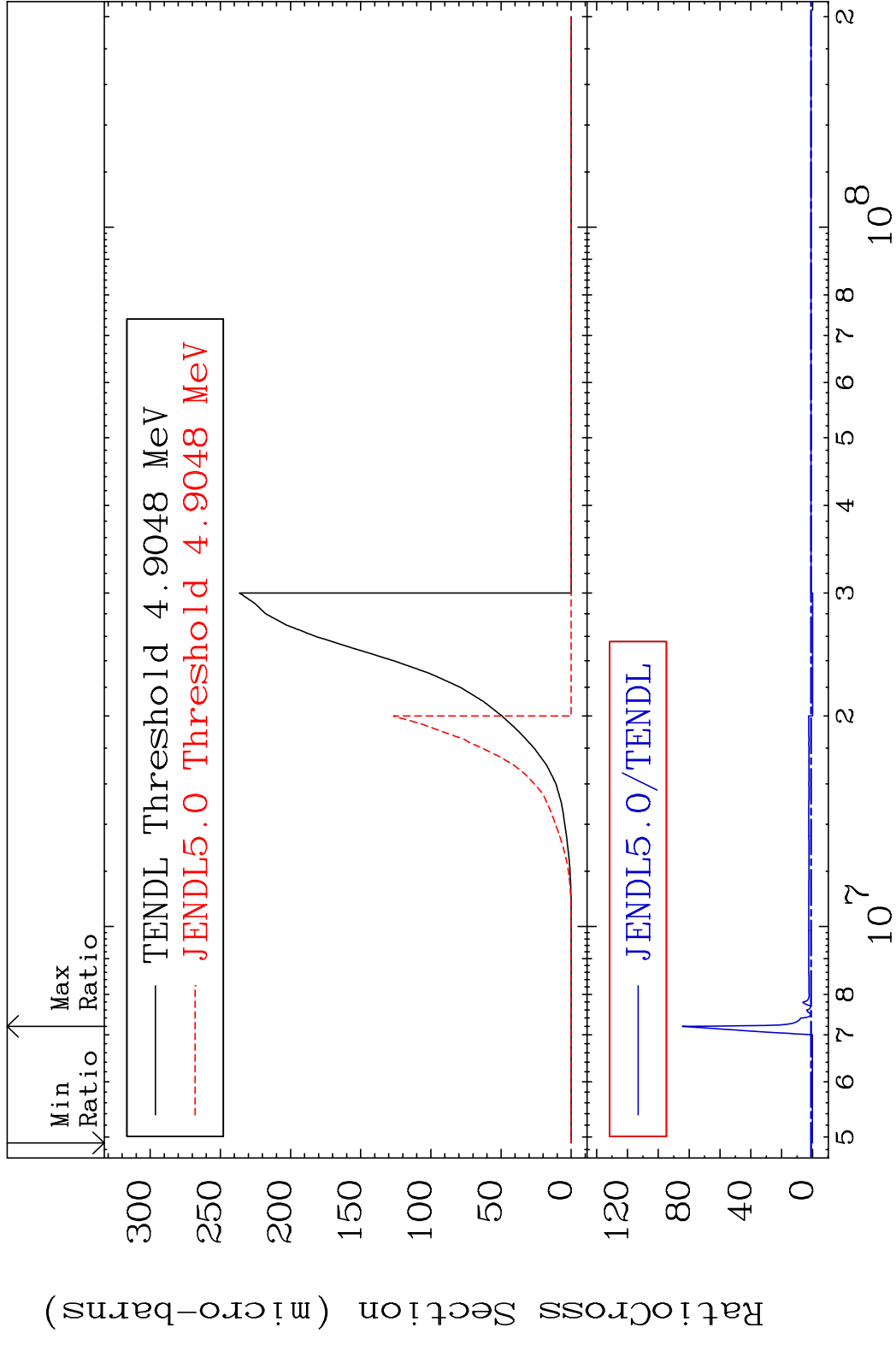
46-Pd-103

MAT 4628

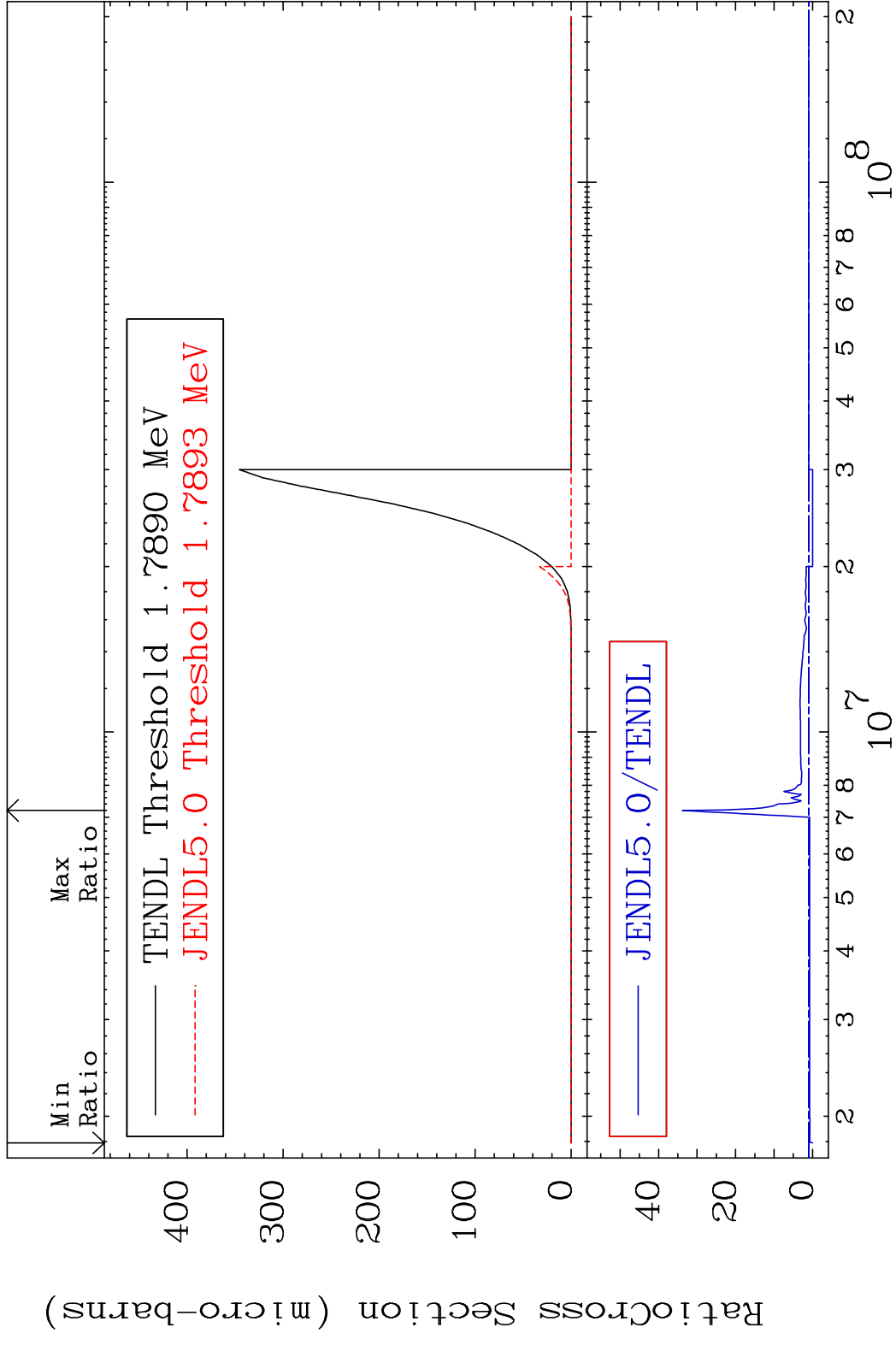
(n,2p)

46-Pd-103

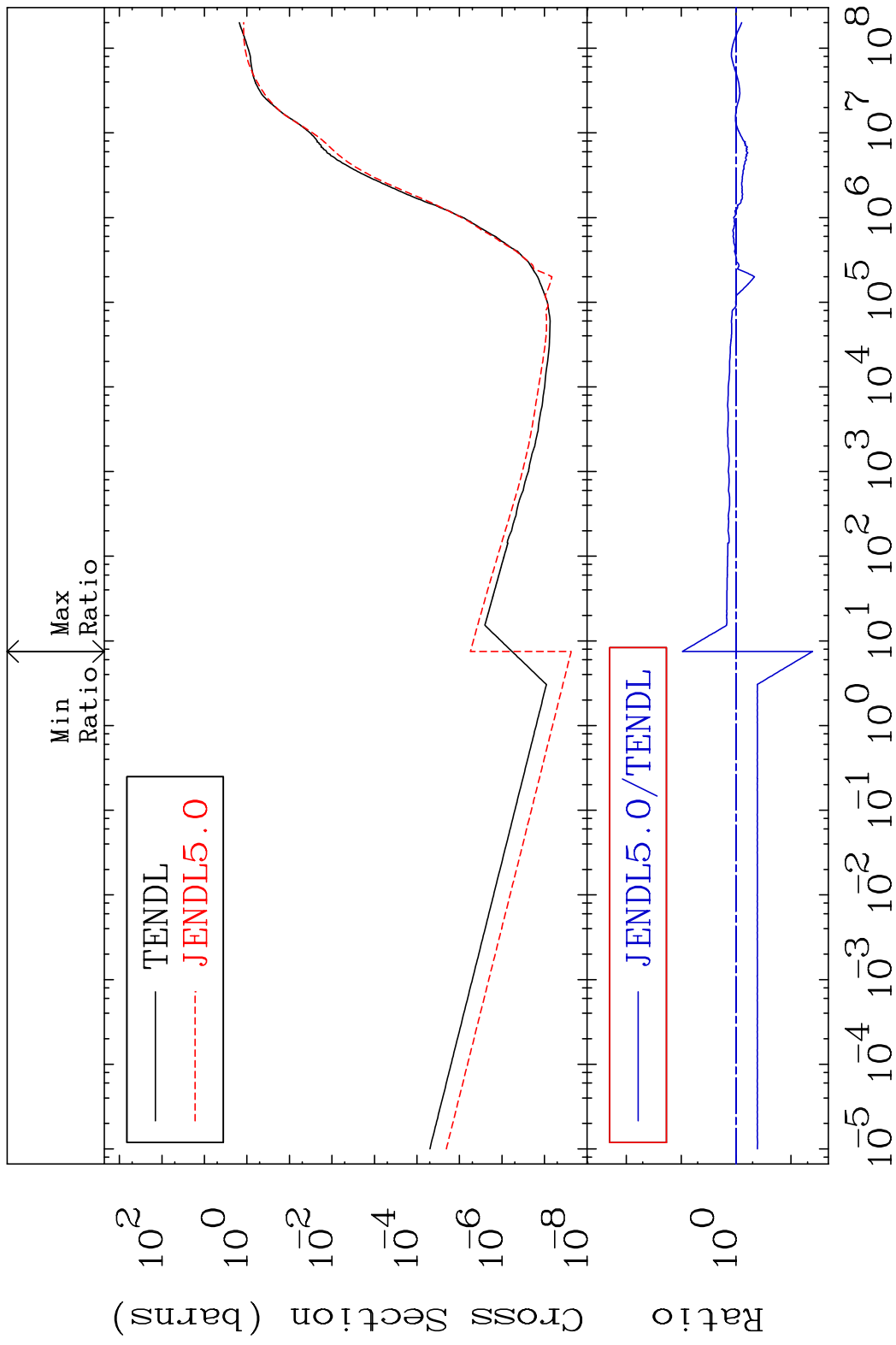
Cross Section -100.0 To 8339. %



MAT 4628 (n,p)  $\alpha$  46-Pd-103  
 Cross Section -100.0 To 3282. %



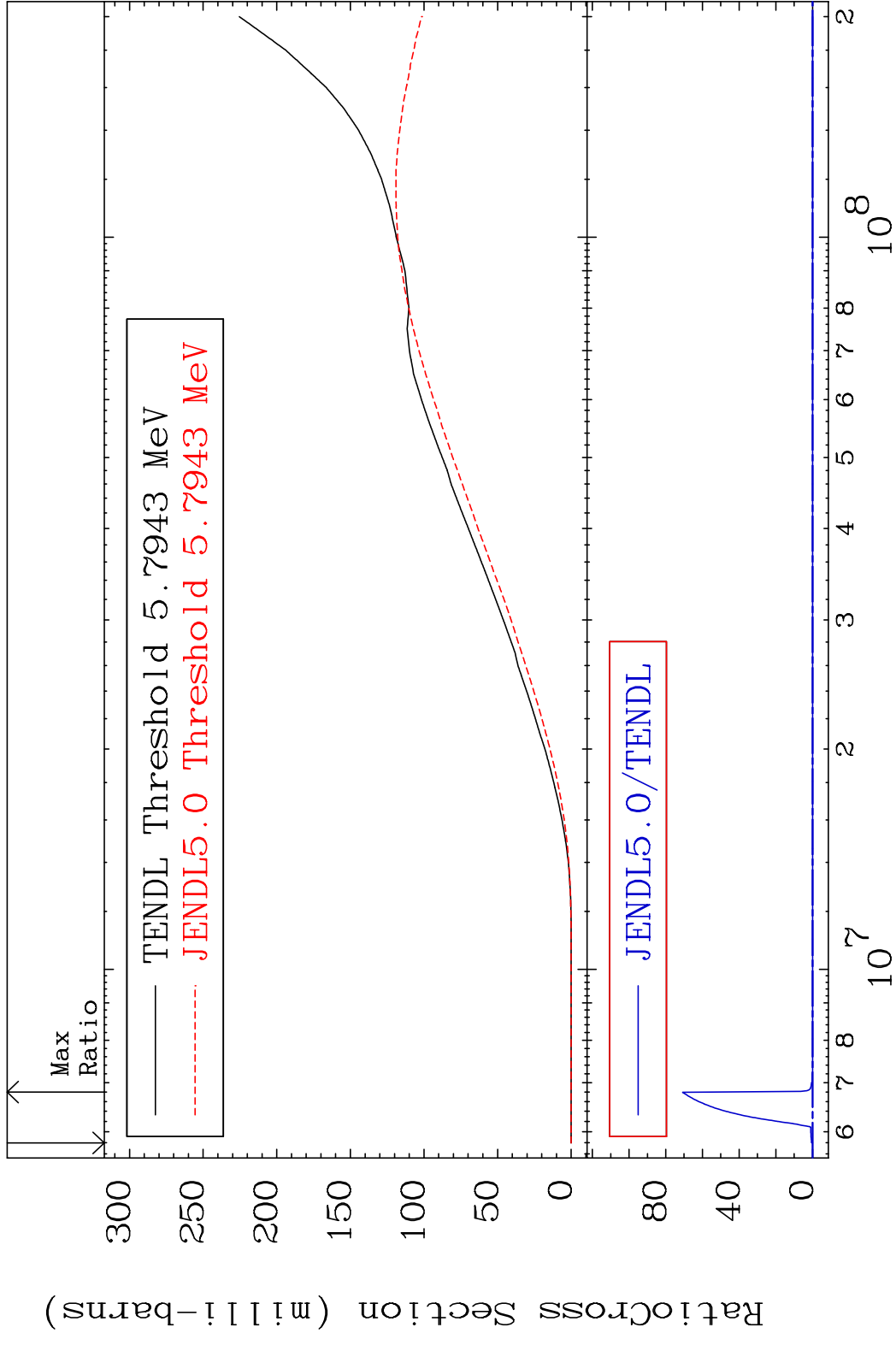
MAT 4628 Hydrogen Production 46-Pd-103  
 Cross Section -95.95 To 850.7 %



39 Incident Energy (eV) 46-Pd-103

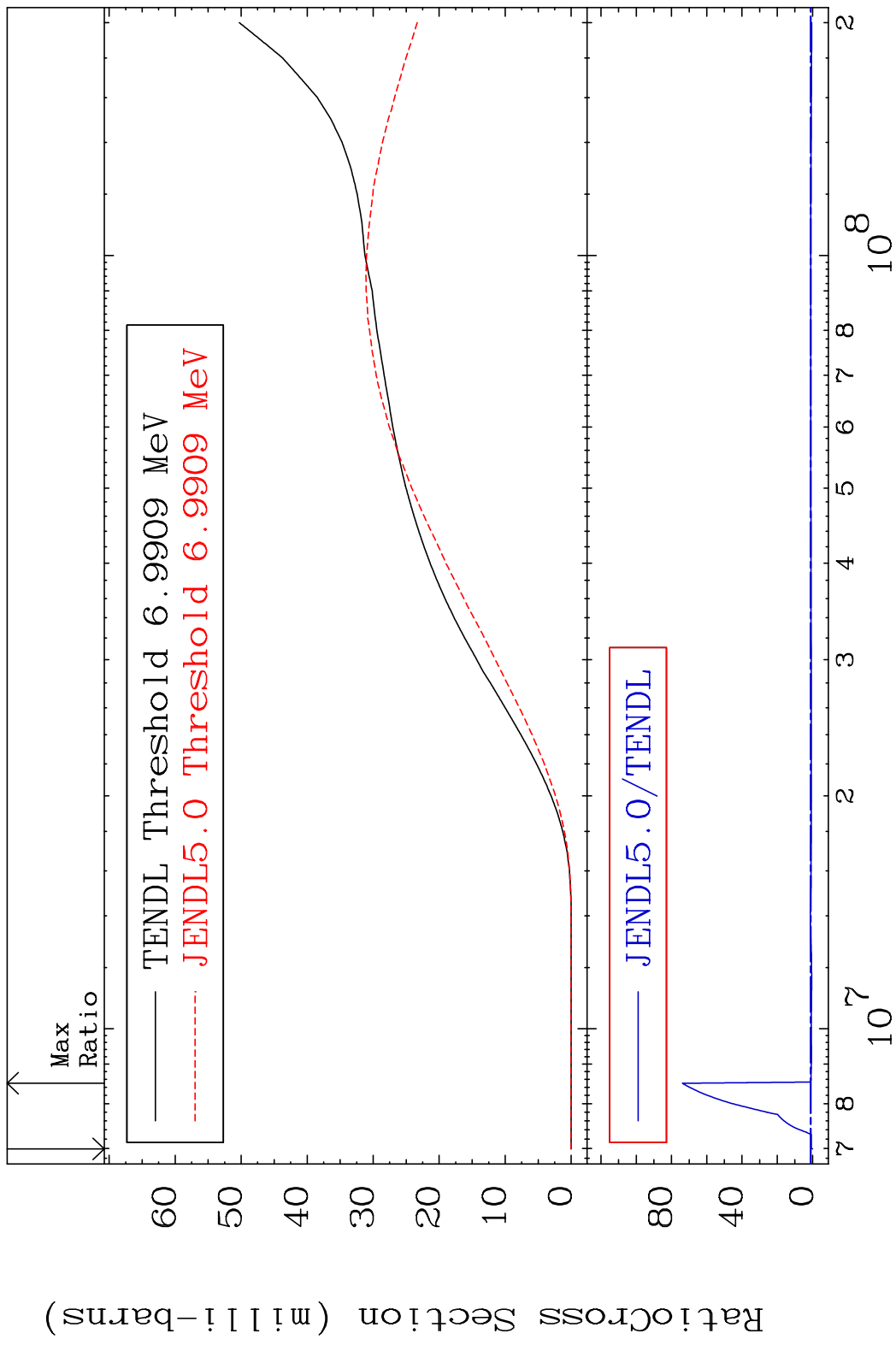


MAT 4628 Deuterium Production 46-Pd-103  
 Cross Section -100.0 To 9999. %



40 Incident Energy (eV) 46-Pd-103

MAT 4628 Tritium Production 46-Pd-103  
 Cross Section -100.0 To 7284. %

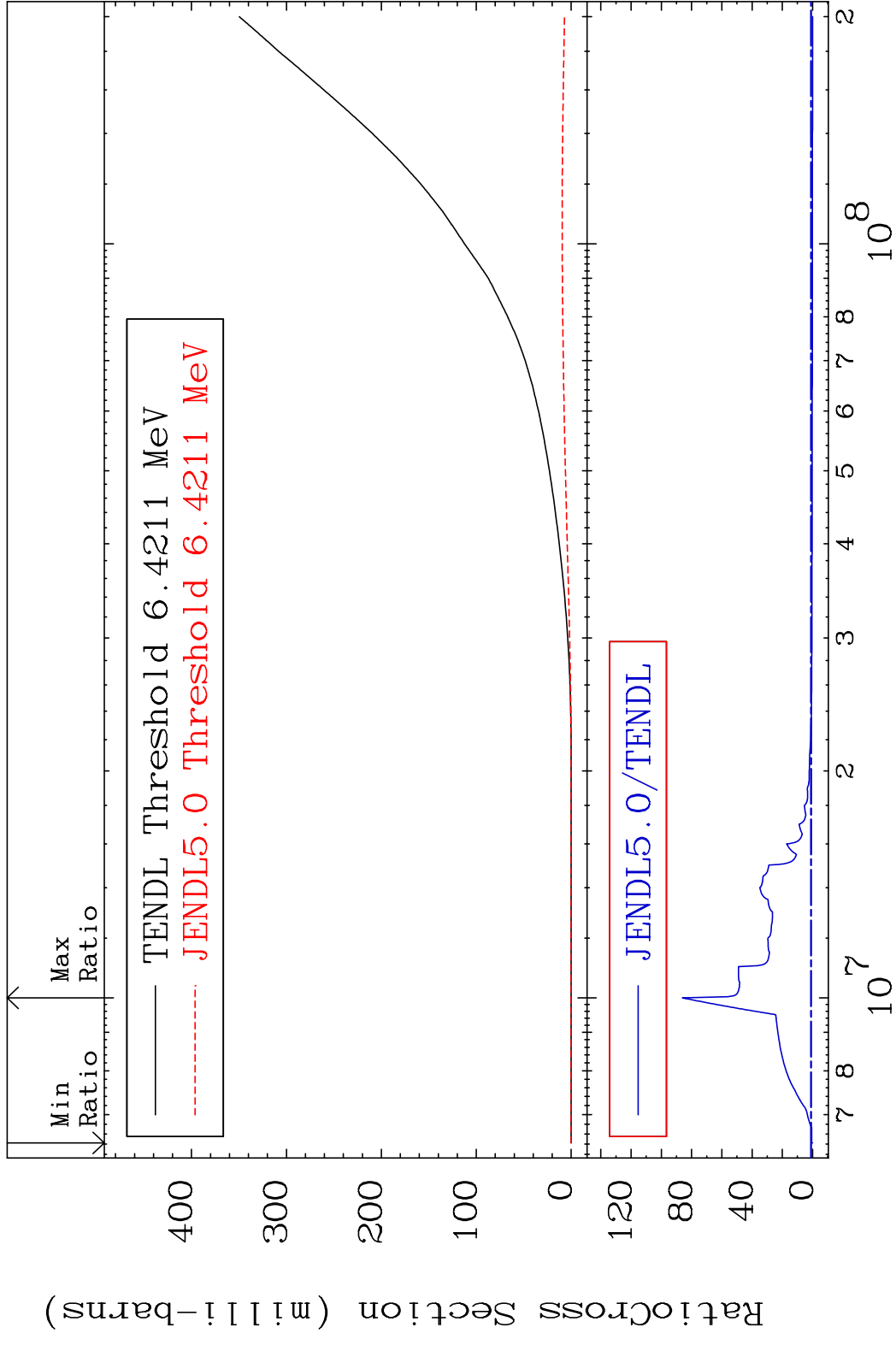


MAT 4628

He-3 Production

46-Pd-103

Cross Section -100.0 To 8510. %



42

Incident Energy (eV)

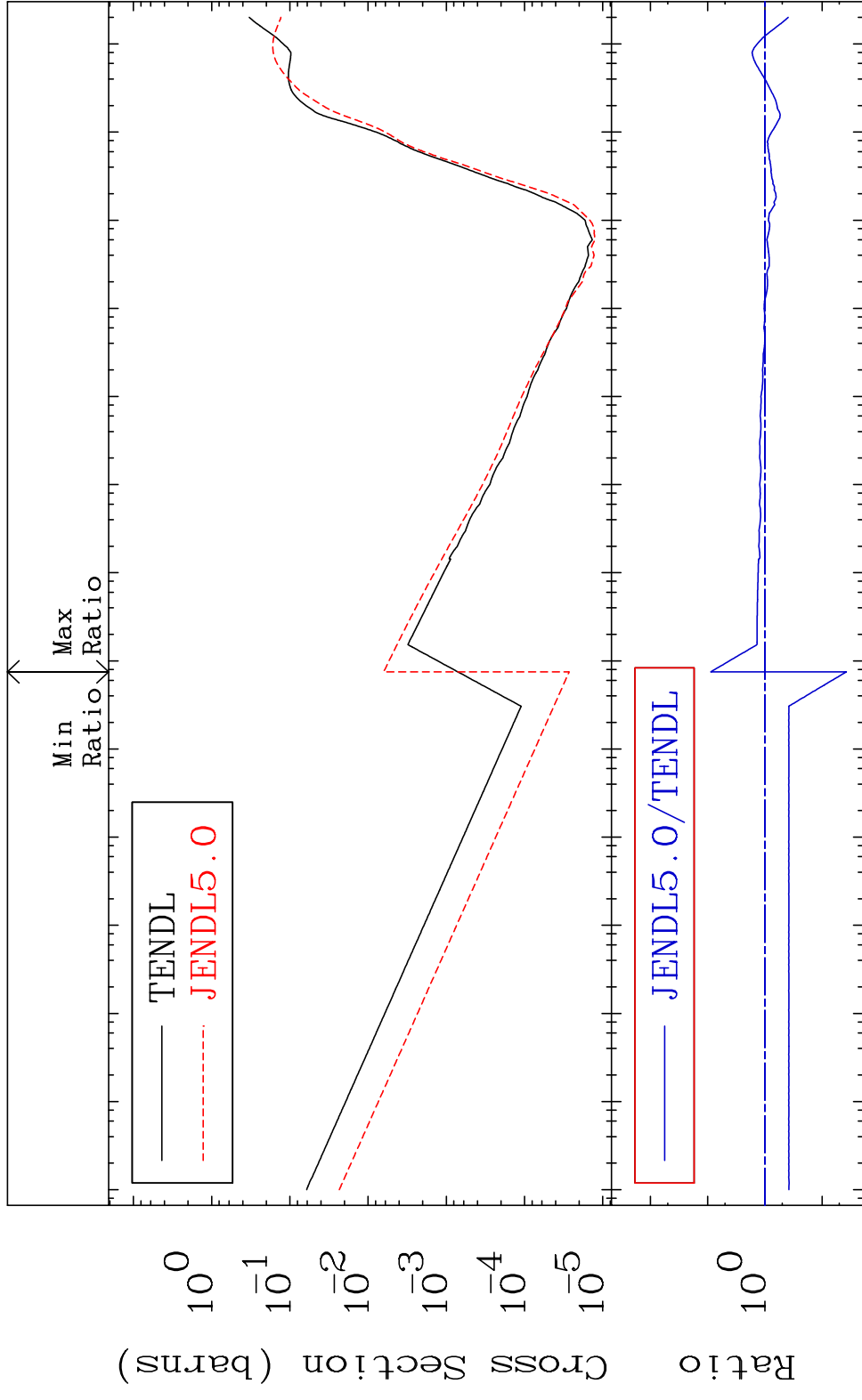
46-Pd-103

MAT 4628

He-4 Production

46-Pd-103

Cross Section -96.23 To 786.5 %

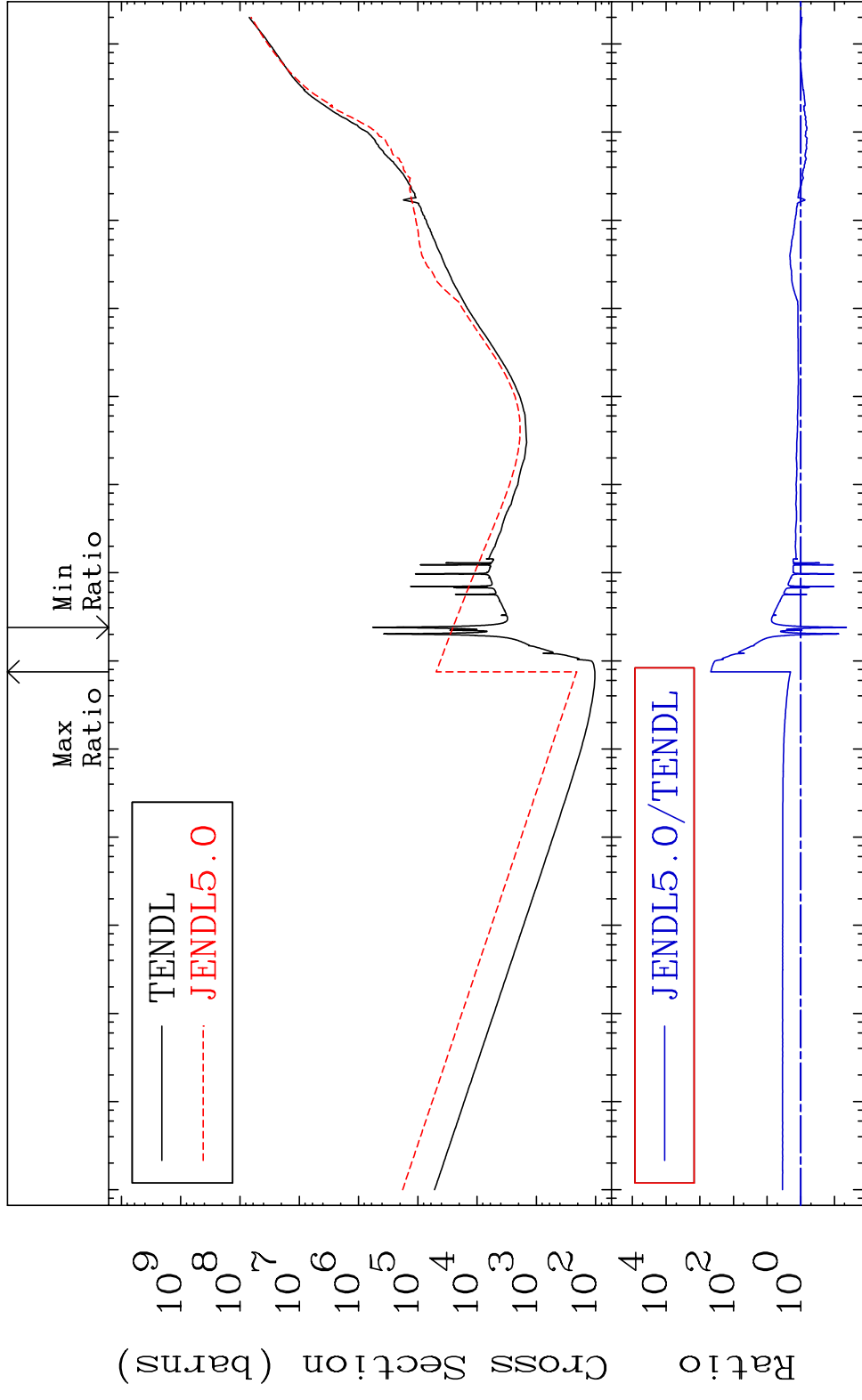


43

Incident Energy (eV)

46-Pd-103

MAT 4628 Kerma total (eV-barns) 46-Pd-103  
 Cross Section -95.57 To 9999. %

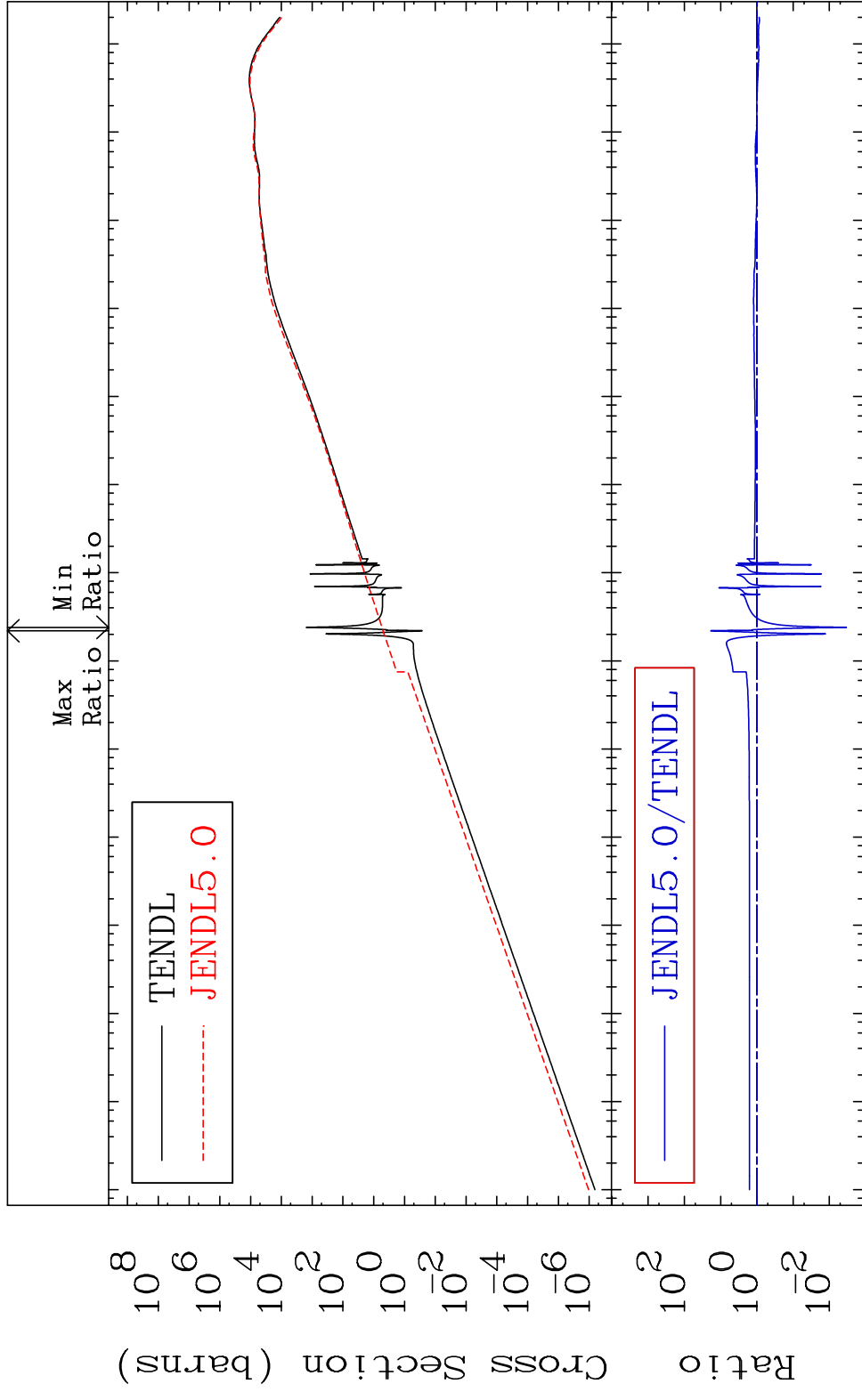


10<sup>-5</sup> 10<sup>-4</sup> 10<sup>-3</sup> 10<sup>-2</sup> 10<sup>-1</sup> 10<sup>0</sup> 10<sup>1</sup> 10<sup>2</sup> 10<sup>3</sup> 10<sup>4</sup> 10<sup>5</sup> 10<sup>6</sup> 10<sup>7</sup> 10<sup>8</sup>

MAT 4628

Kerma elastic  
Cross Section -99.66 To 1775. %

46-Pd-103

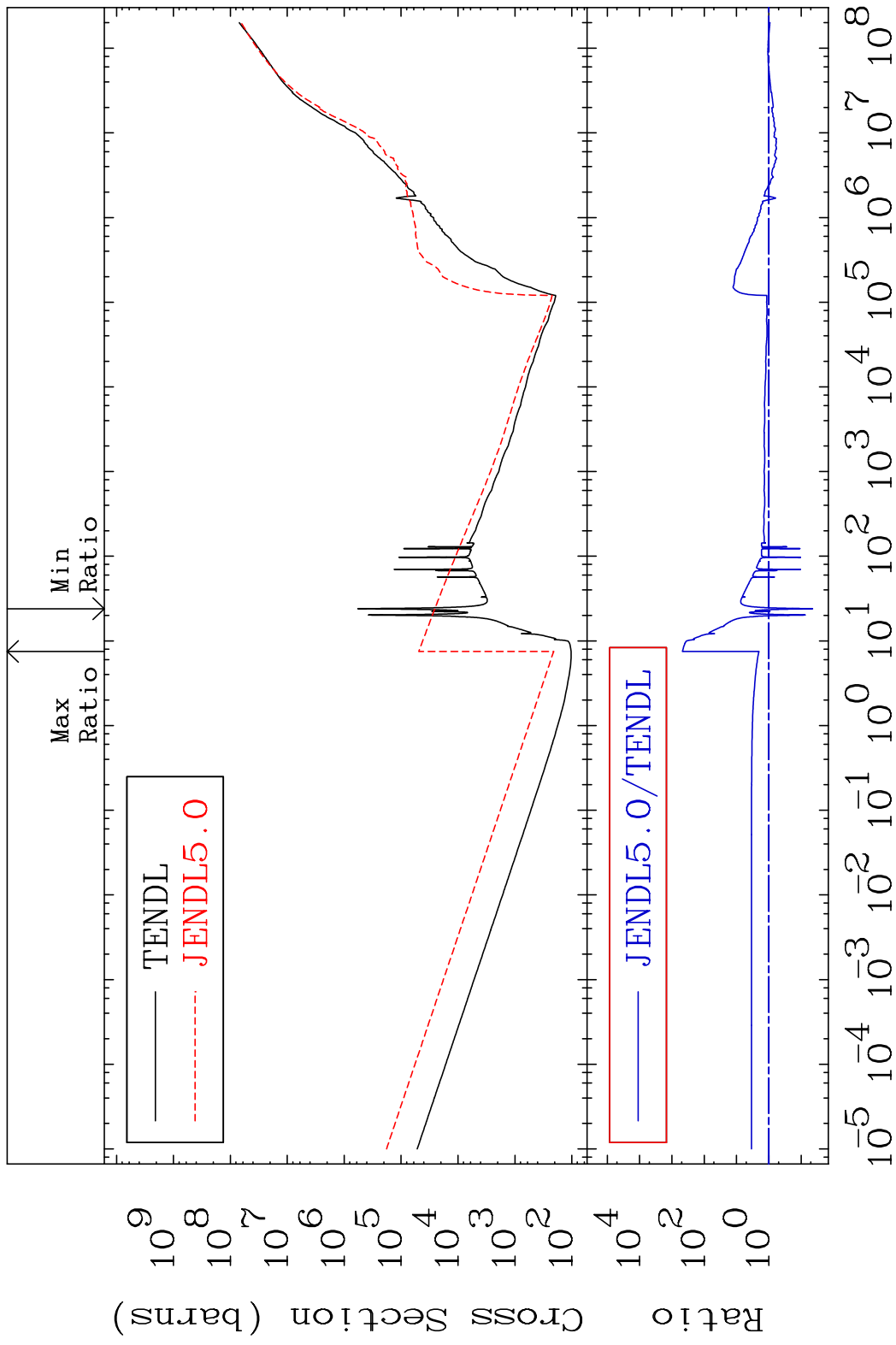


45

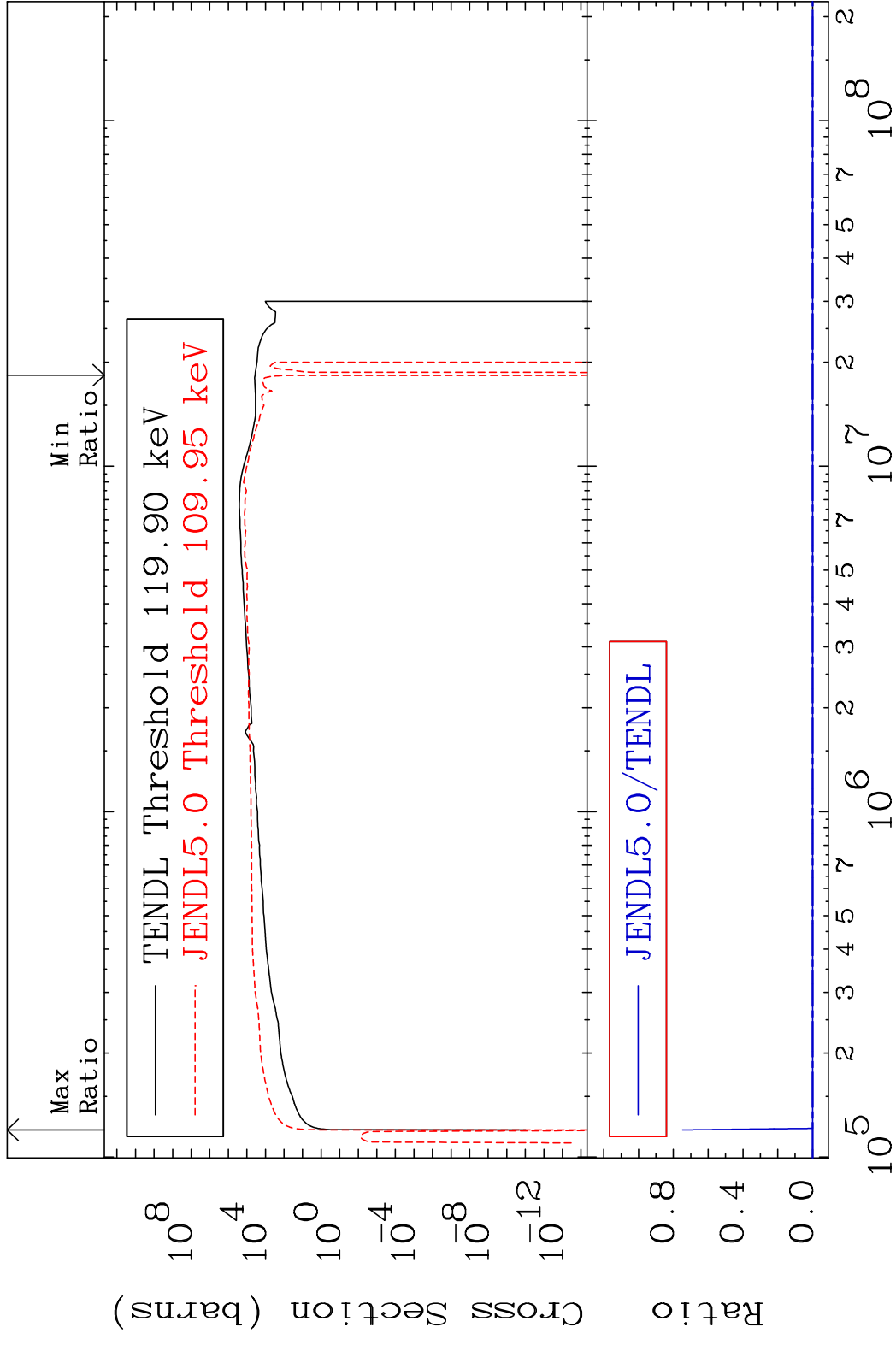
Incident Energy (eV)

46-Pd-103

MAT 4628 Kerma non-elastic (all but mt2) 46-Pd-103  
 Cross Section -95.56 To 9999. %

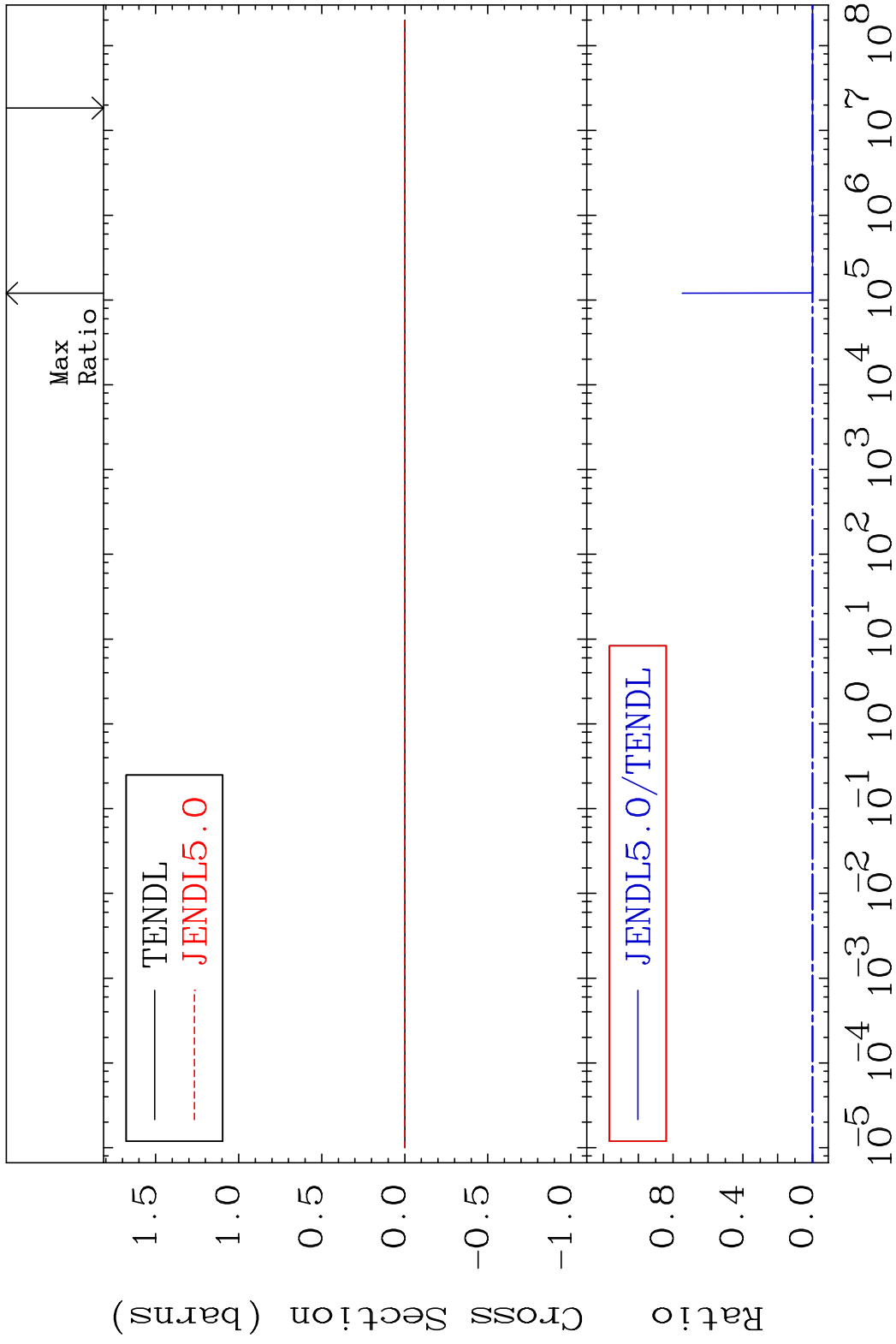


MAT 4628 Kerma inelastic (mt51-91) 46-Pd-103  
 Cross Section -101.8 To 9999. %

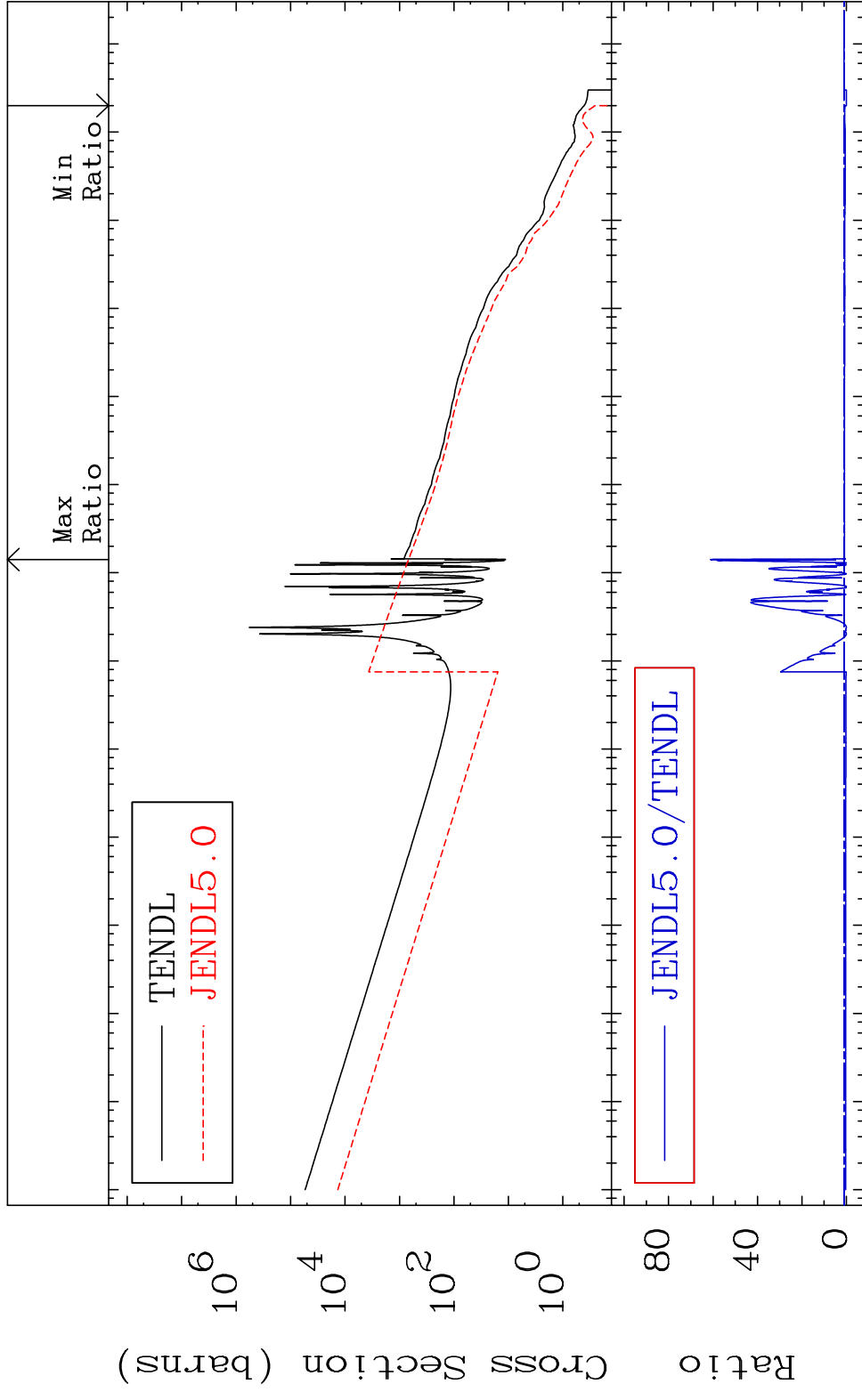




MAT 4628 Kerma fission (mt18 or mt19-20-21-38) 46-Pd-103  
 Cross Section -101.8 To 9999. %

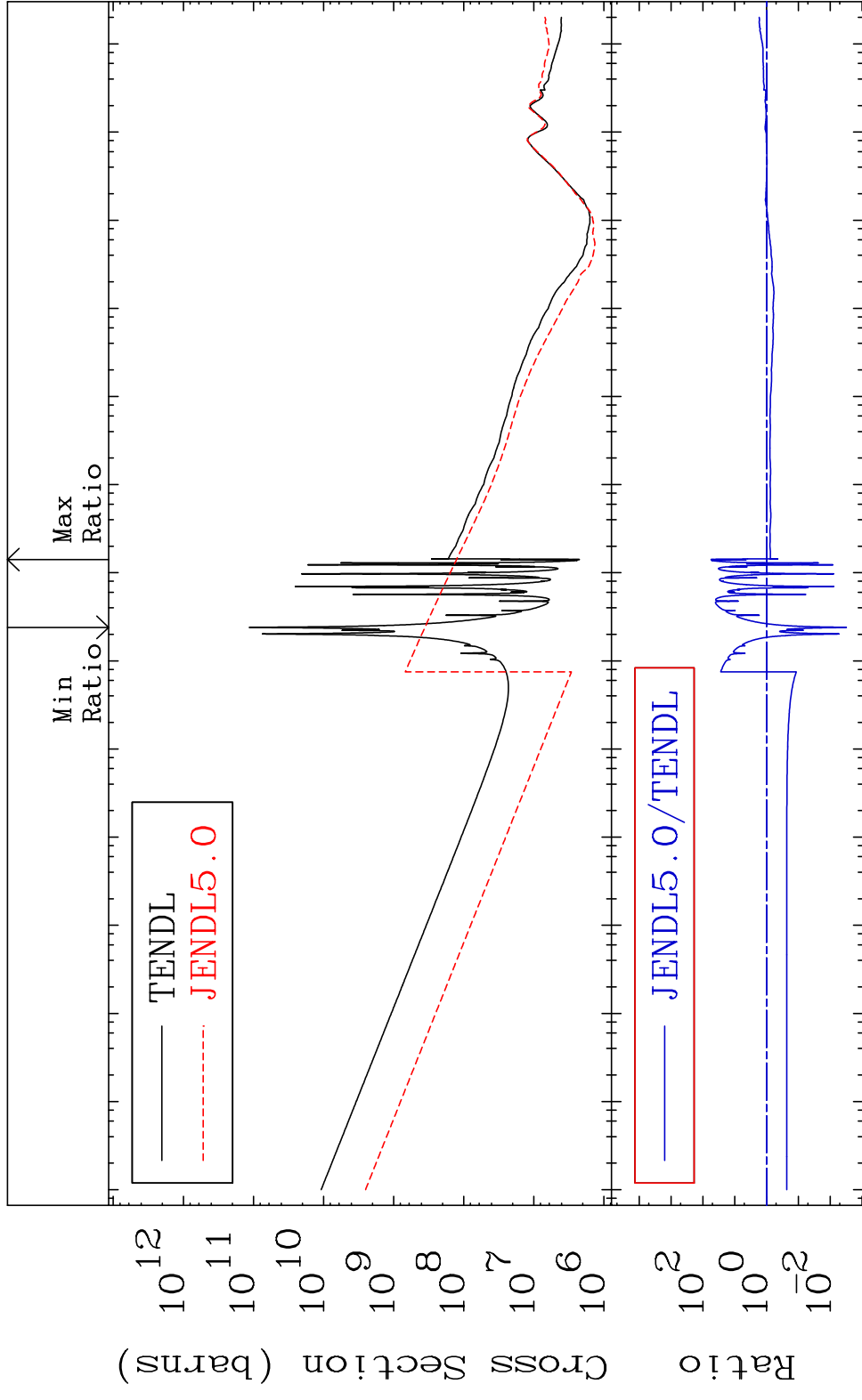


MAT 4628 Kerma capture (mt102) 46-Pd-103  
 Cross Section -100.0 To 6004. %

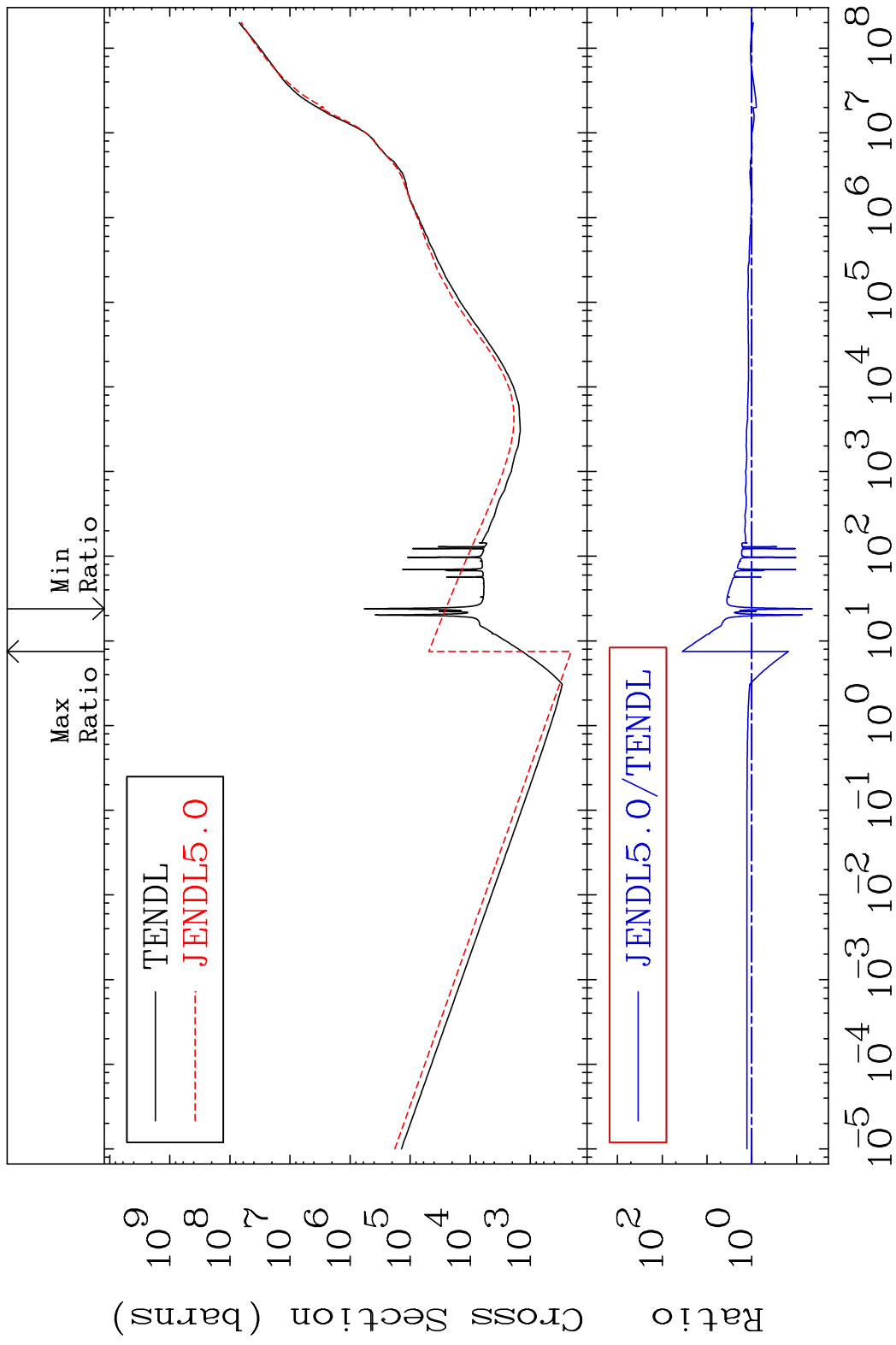


49 Incident Energy (eV) 46-Pd-103

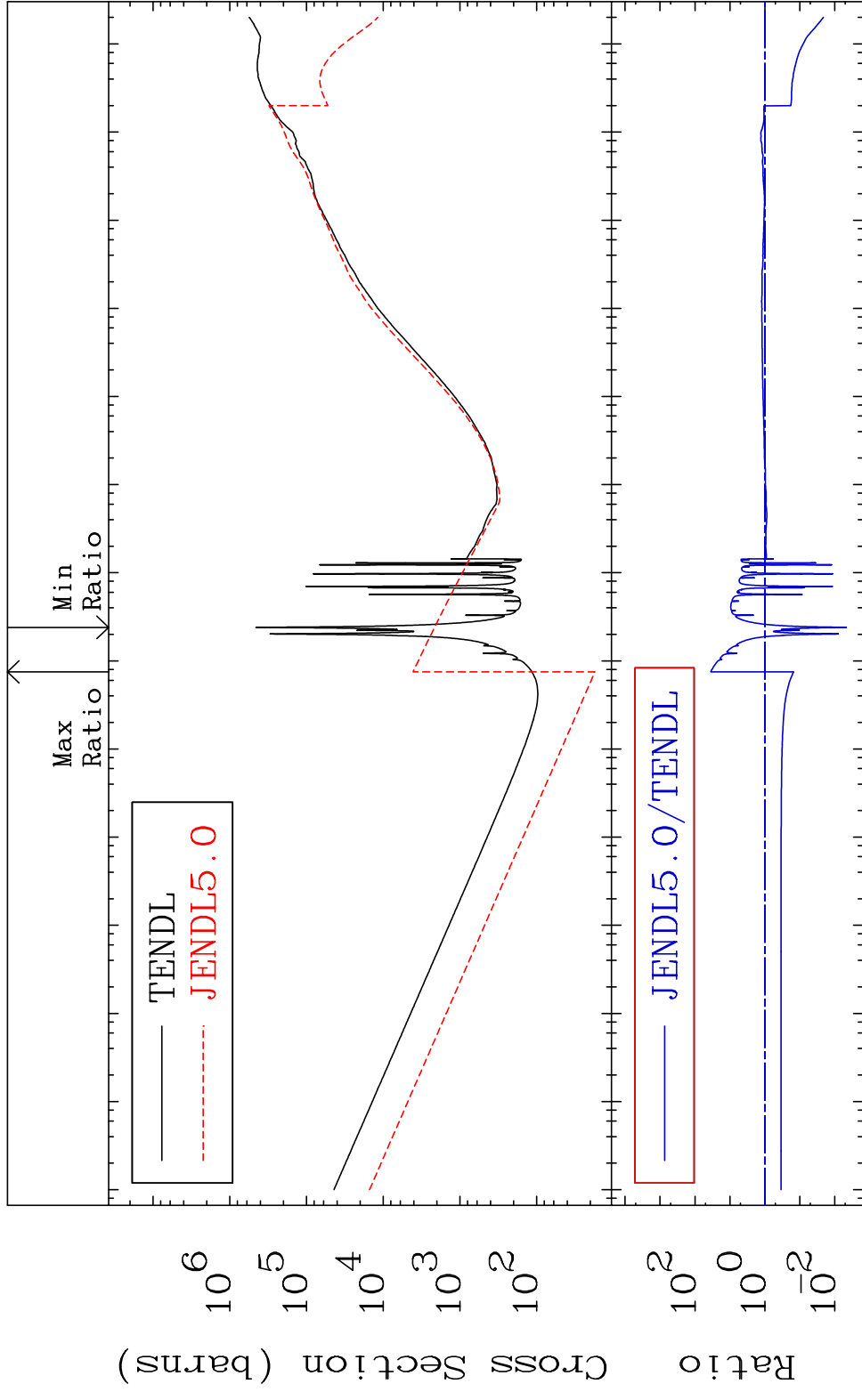
MAT 4628 Total photon (eV-barns) 46-Pd-103  
 Cross Section -99.69 To 5557. %



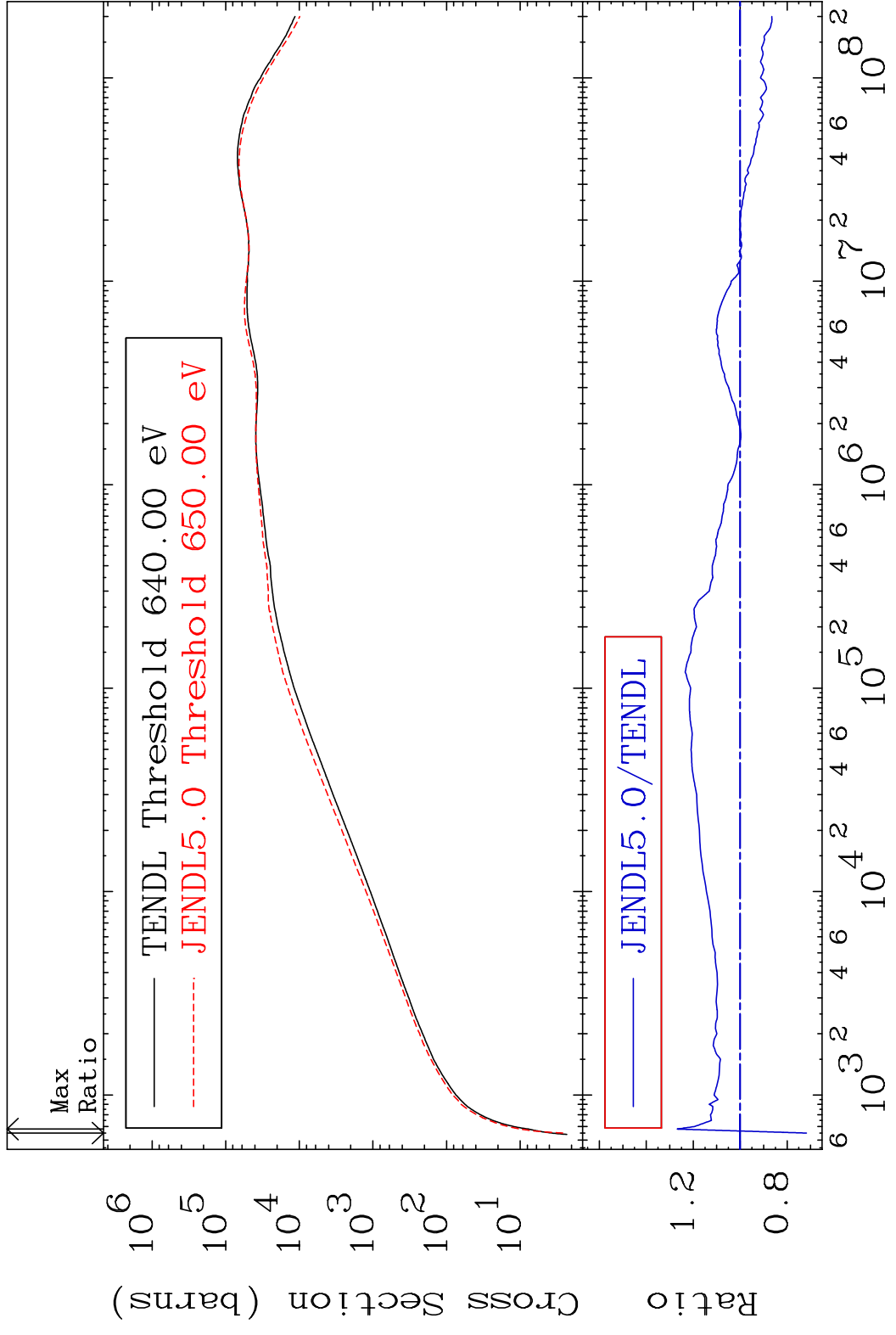
MAT 4628 Total kinematic kerma (high limit) 46-Pd-103  
 Cross Section -95.60 To 3455. %



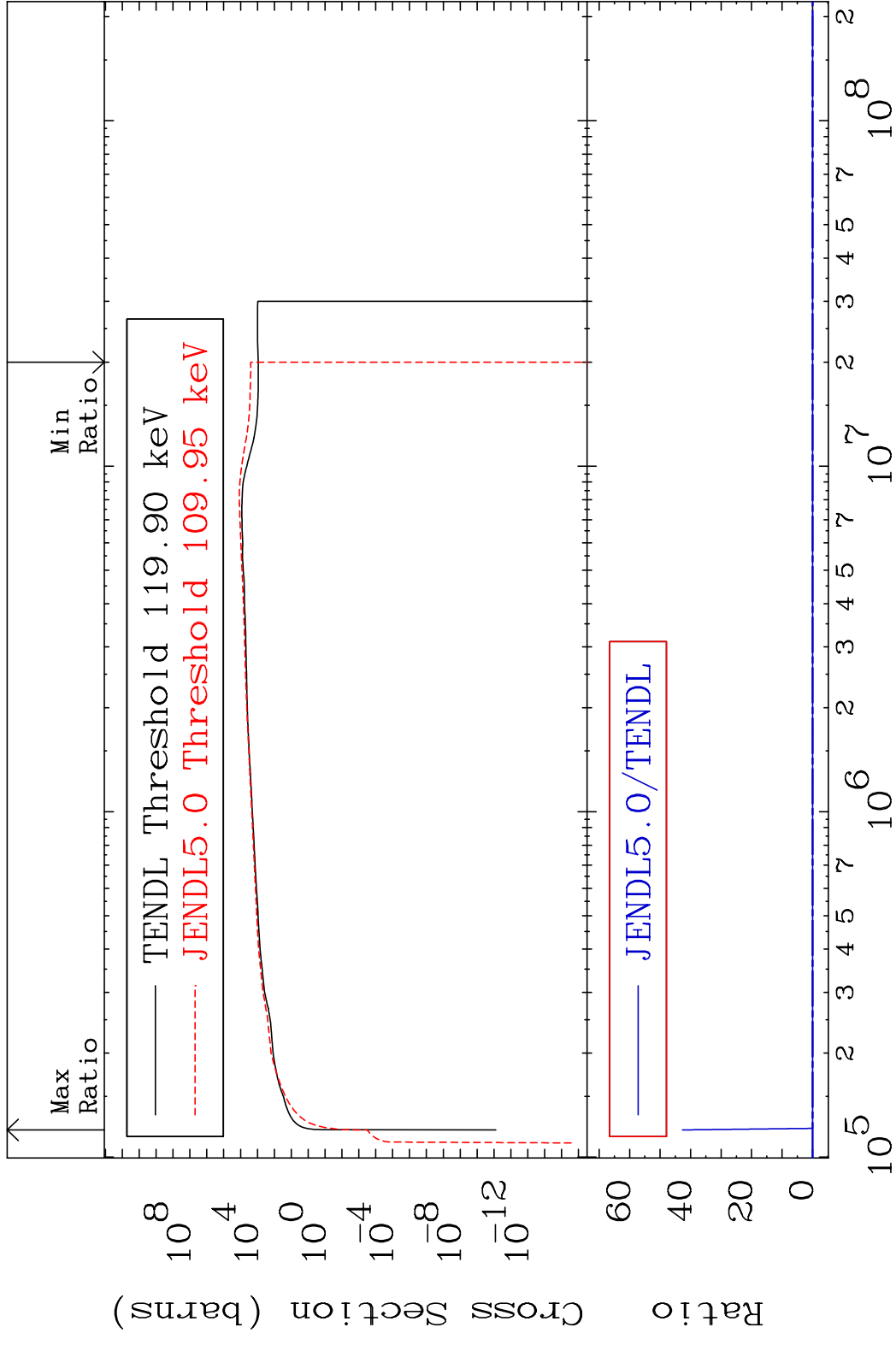
MAT 4628 Dpa total (eV-barns) 46-Pd-103  
 Cross Section -99.53 To 3441. %



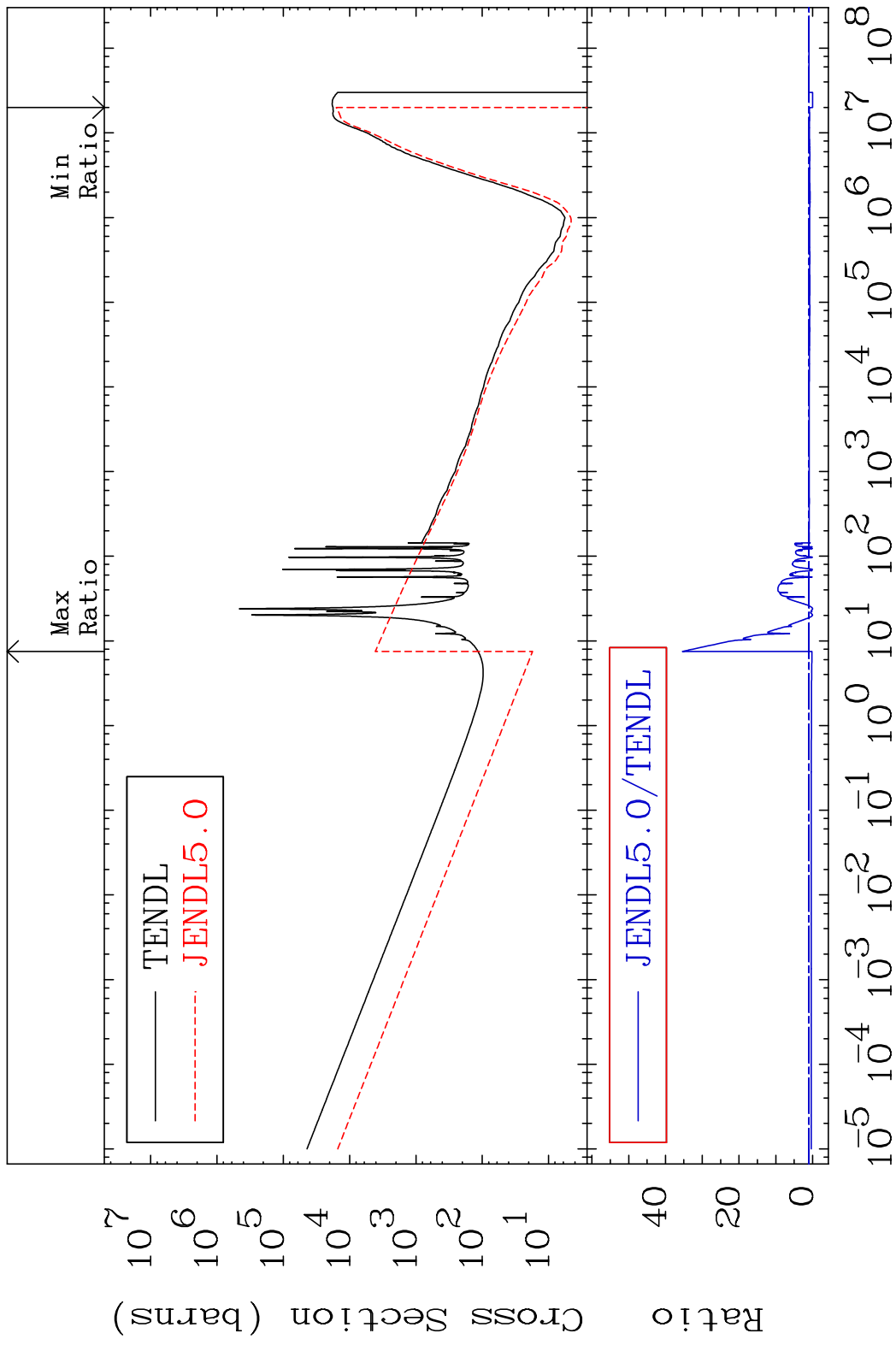
MAT 4628      Dpa elastic (mt2)      46-Pd-103  
 Cross Section      -28.22 To 26.83 %



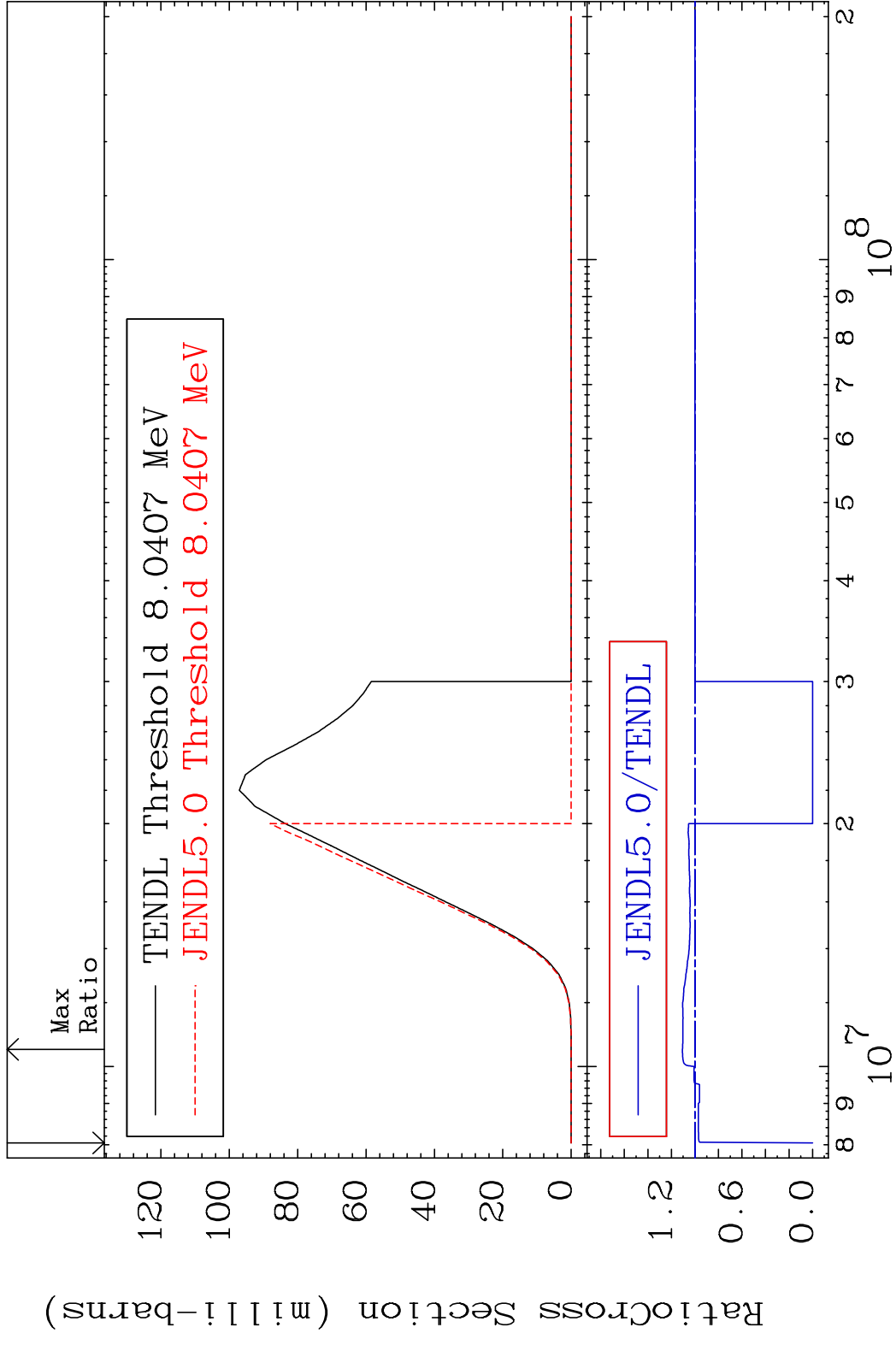
MAT 4628 Dpa inelastic (mt51-91) 46-Pd-103  
 Cross Section -100.0 To 9999. %



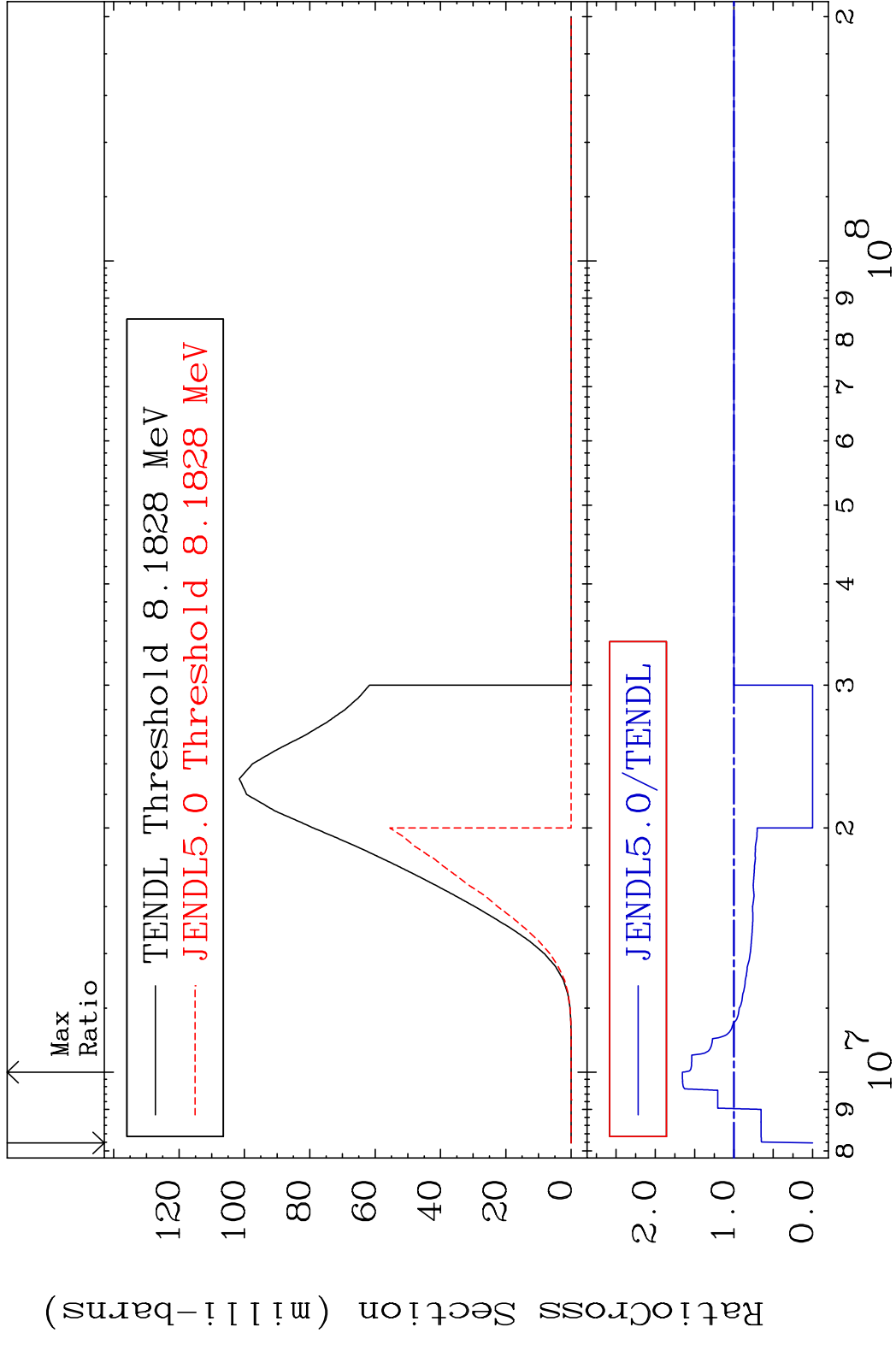
MAT 4628 Dpa disappearance (mt102 -120) 46-Pd-103  
 Cross Section -100.0 To 3441. %

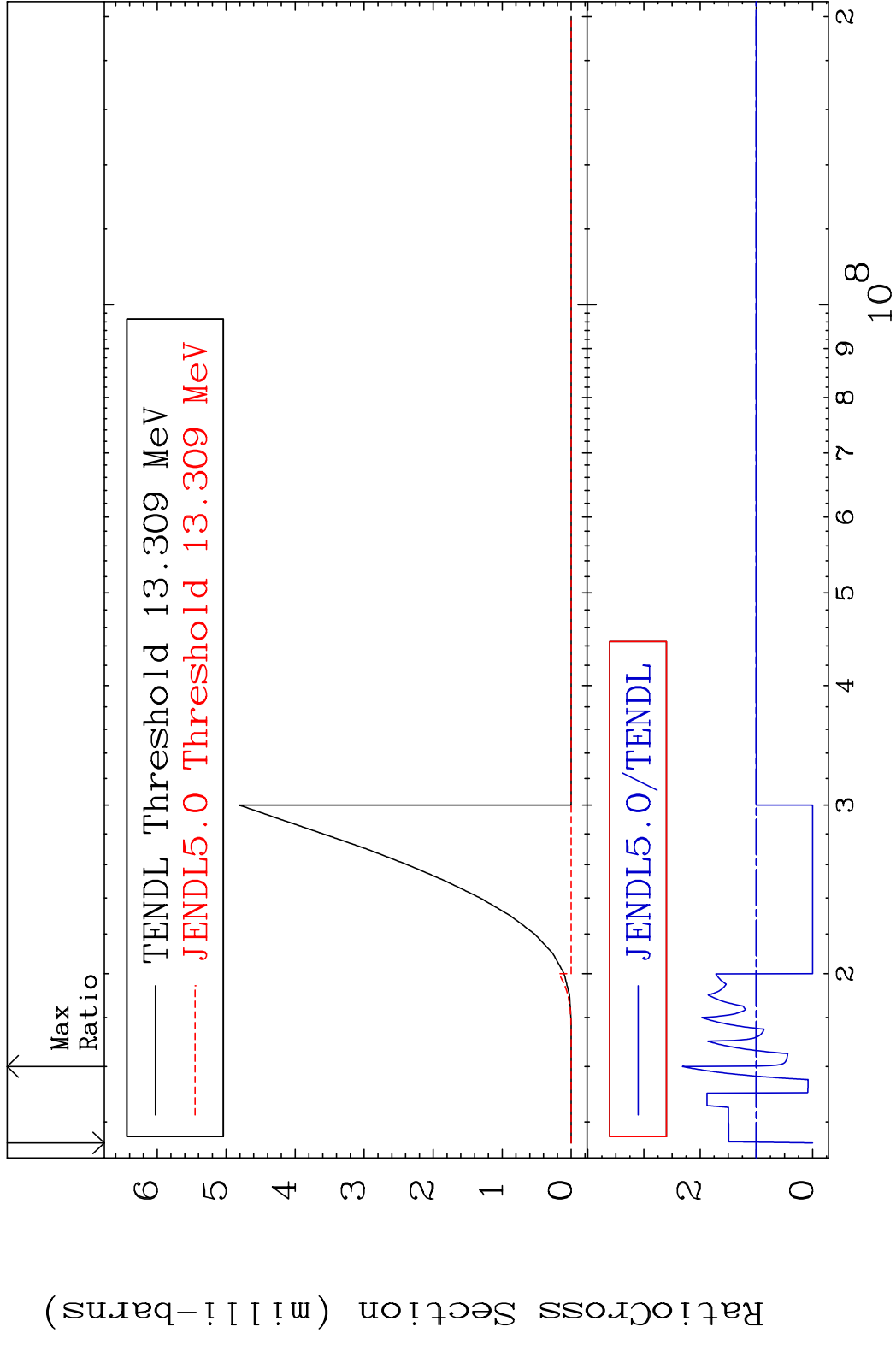




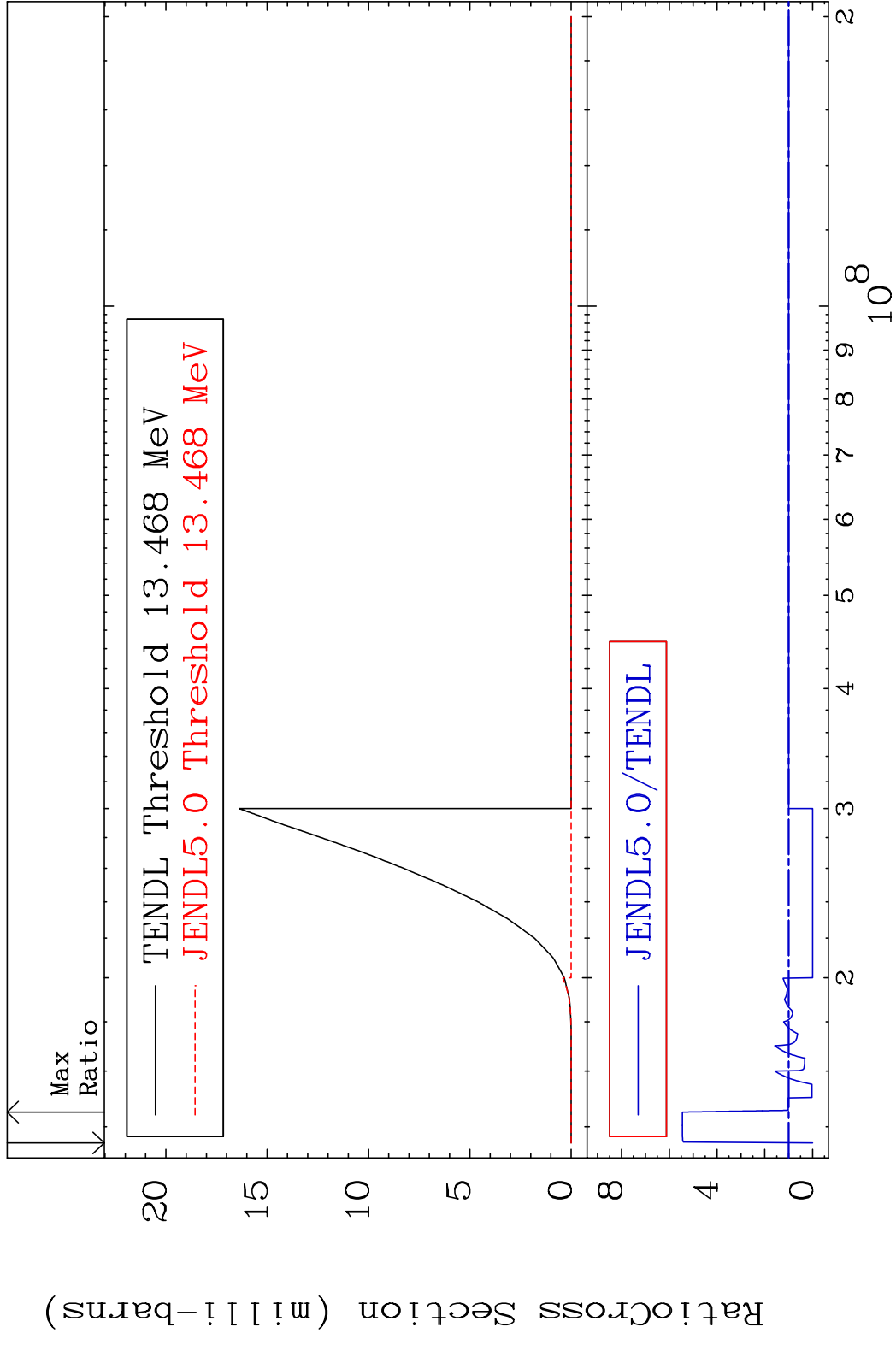


MAT 4628 (n, n') p:45-Rh-102m5 46-Pd-103  
 Radionuclide Production Cross Section 180.0 mb 65.60 %

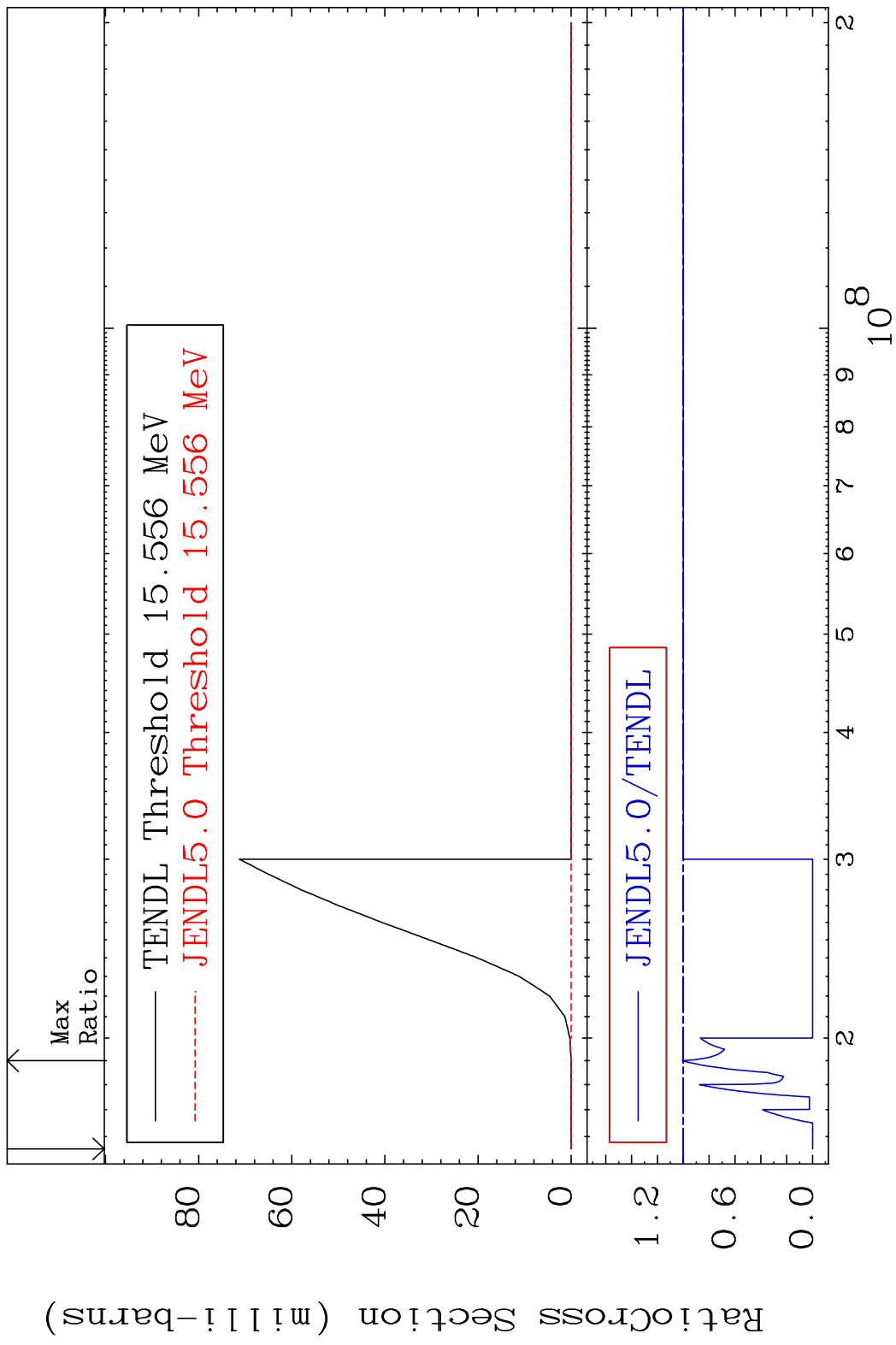


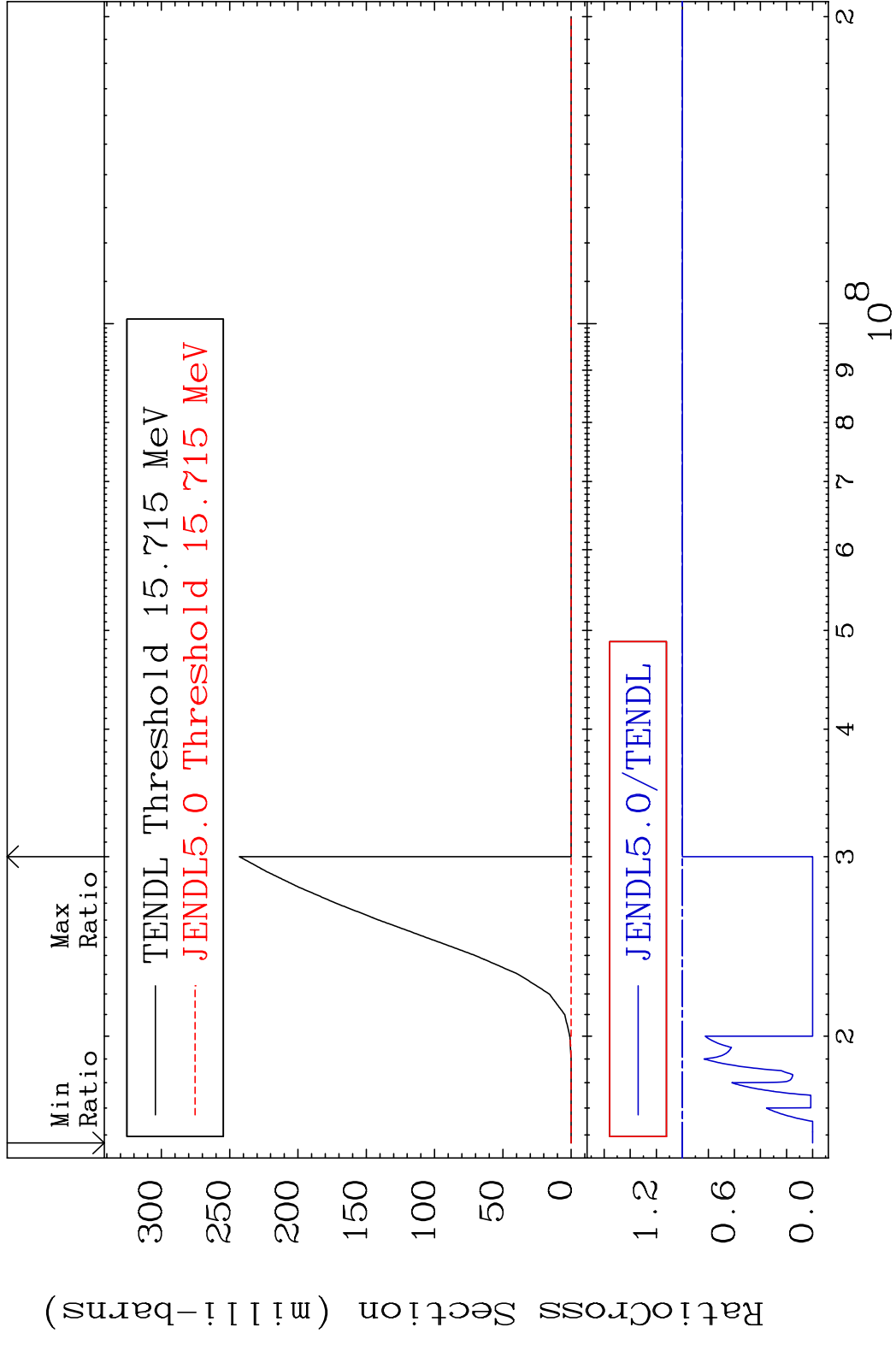


MAT 4628 (n, n') d:45-Rh-101m1 46-Pd-103  
 Radionuclide Production Cross Section Ratio 445.3 %

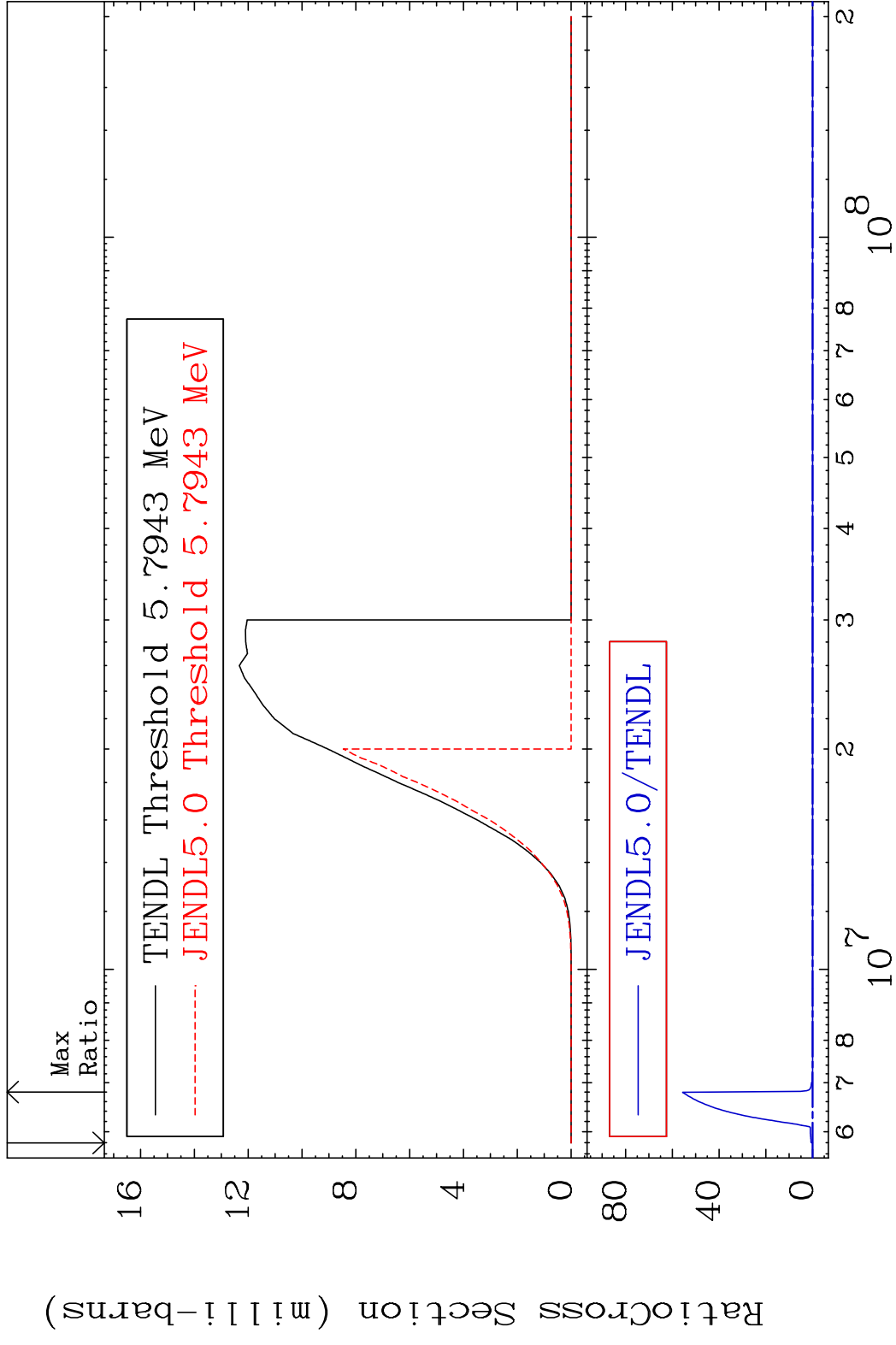


MAT 4628 (n,2n) p:45-Rh-101g 46-Pd-103  
 Radionuclide Production Cross Section 180.01 dth 0.754 %

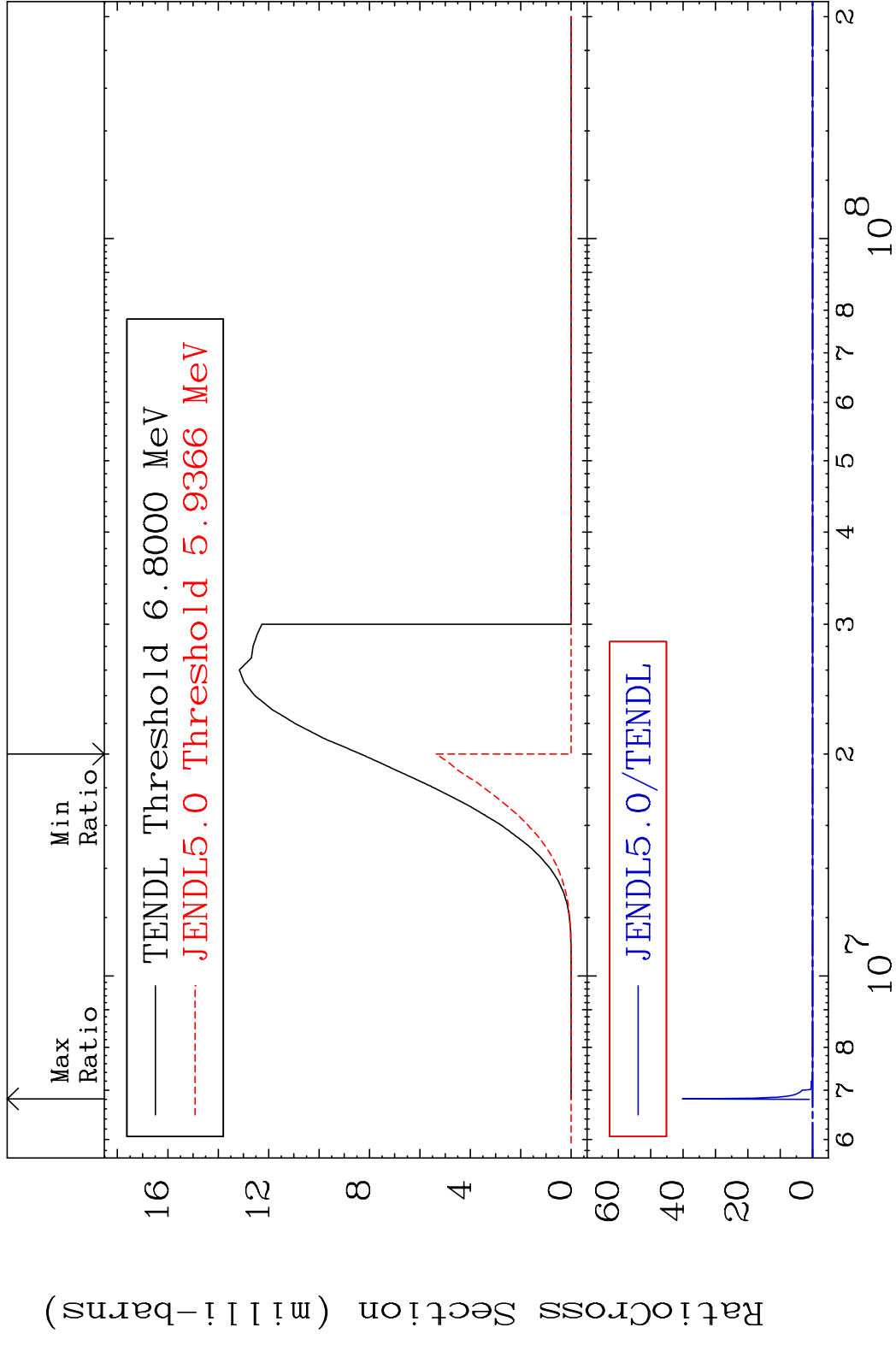




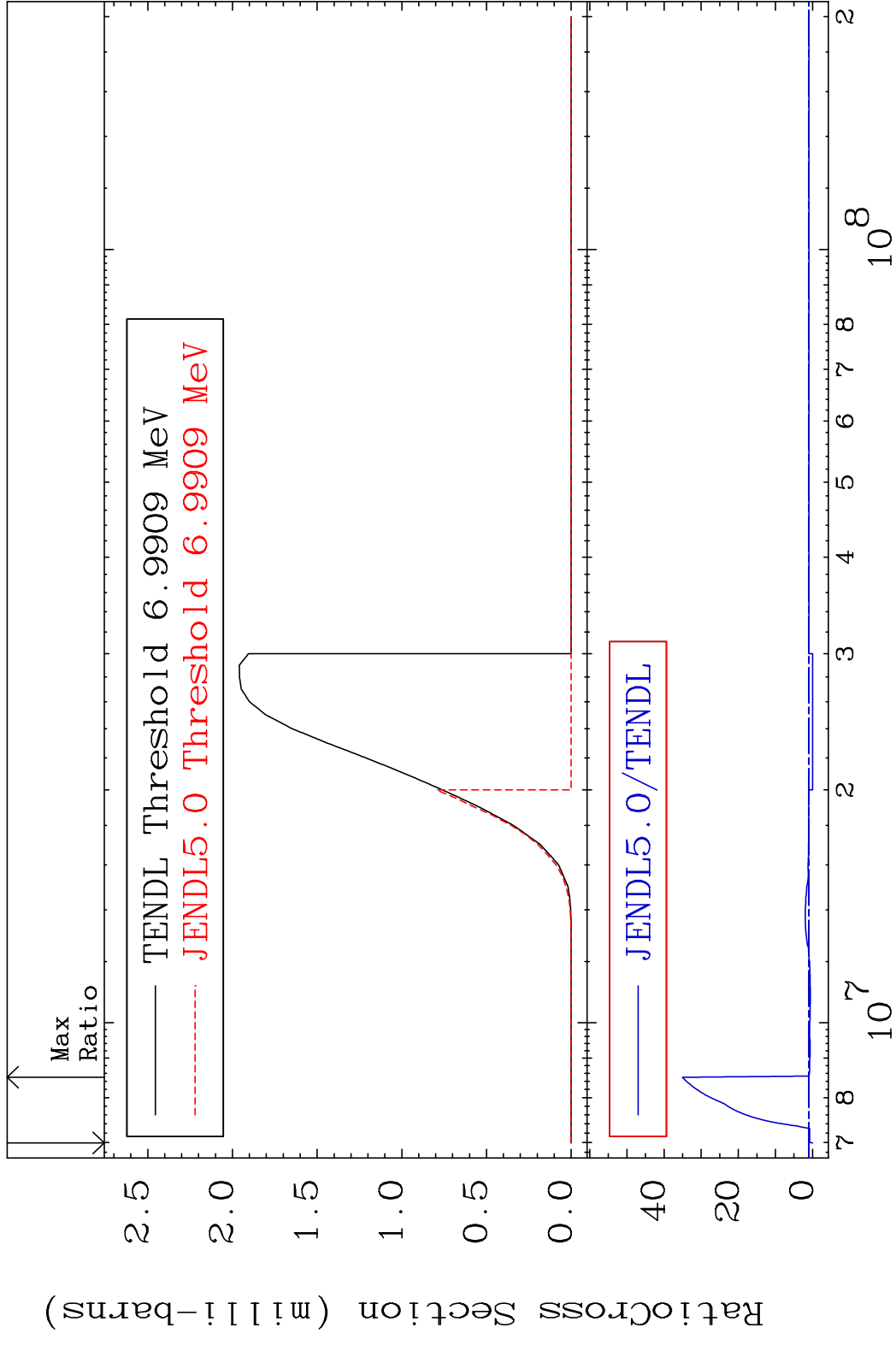
MAT 4628 (n,d):45-Rh-102g 46-Pd-103  
 Radionuclide Production Cross Section 100.00 % 9999. %



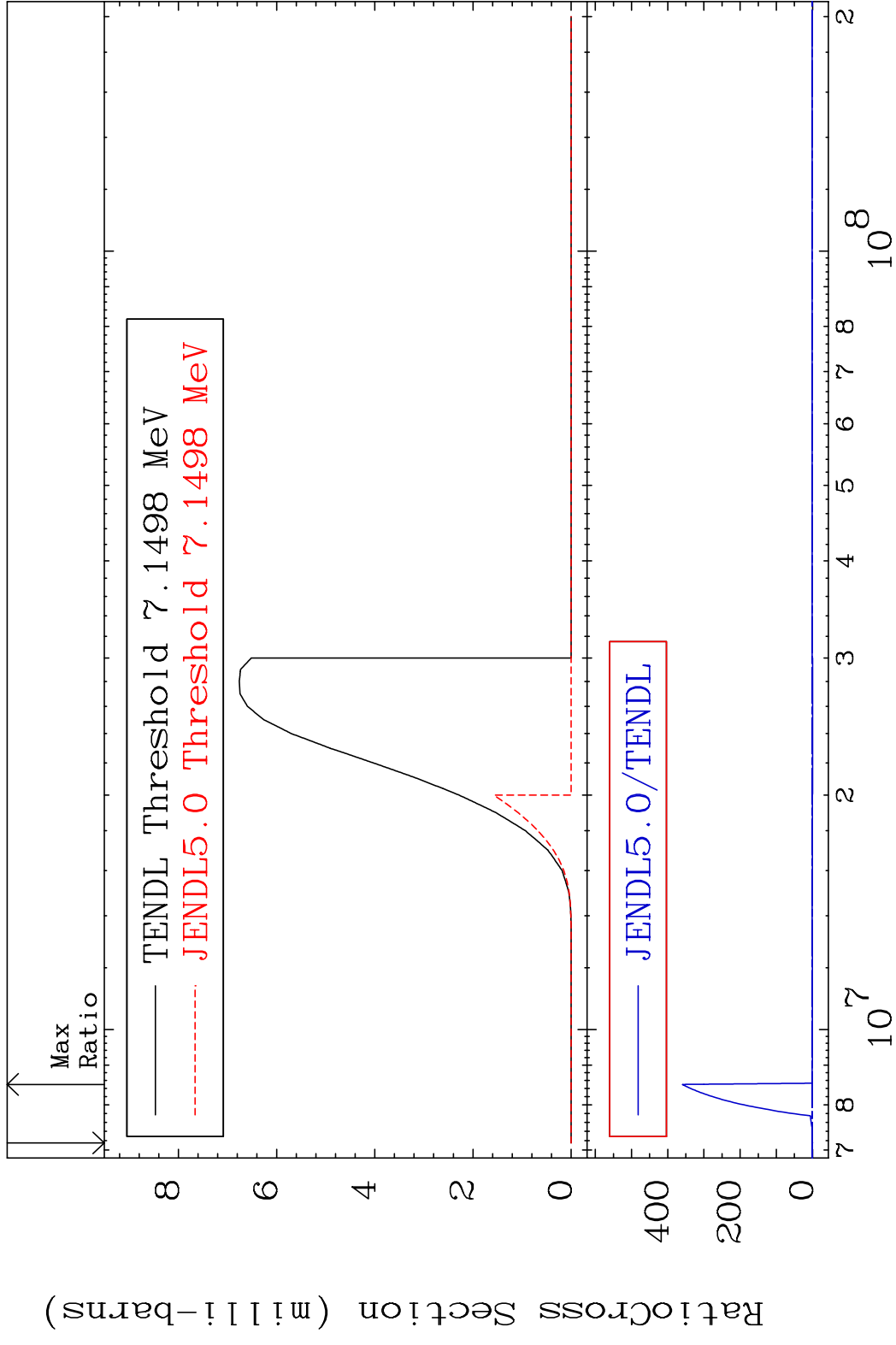
MAT 4628 (n, d): 45-Rh-102m5 46-Pd-103  
 Radionuclide Production Cross Section 100.00 %



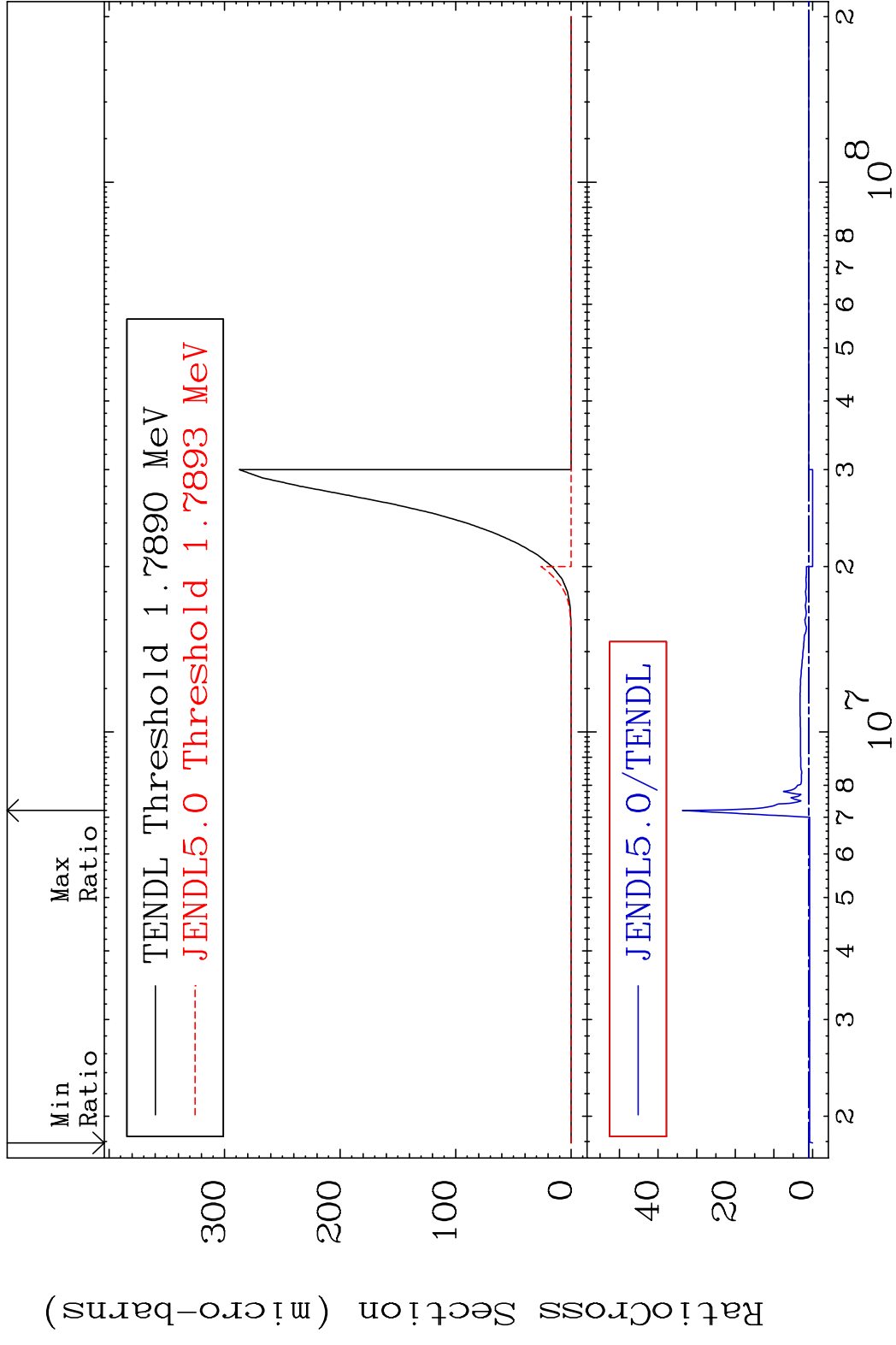


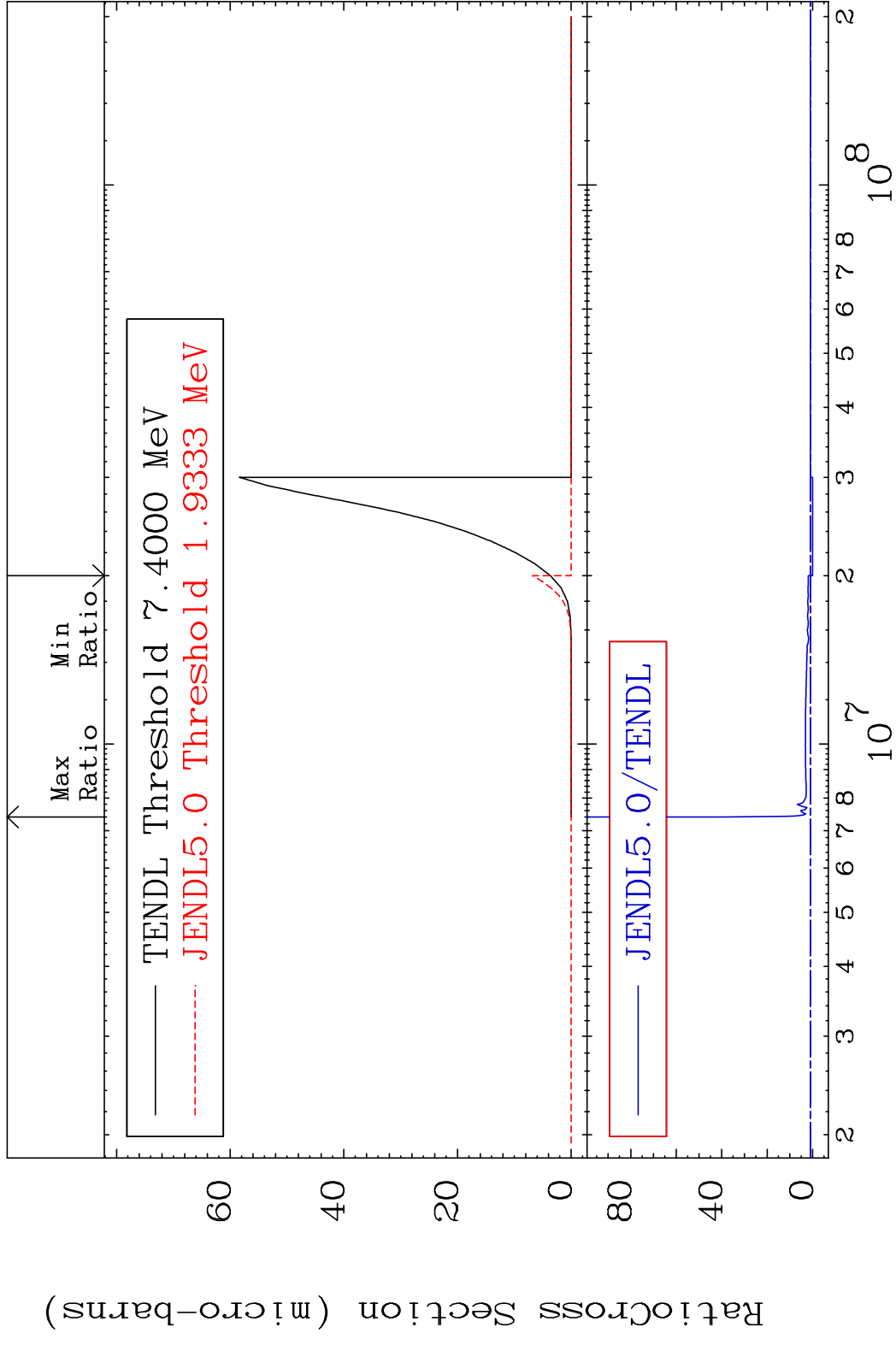


MAT 4628 (n, t): 45-Rh-101m1 46-Pd-103  
 Radionuclide Production Cross Section (%)



65 Incident Energy (eV) 46-Pd-103



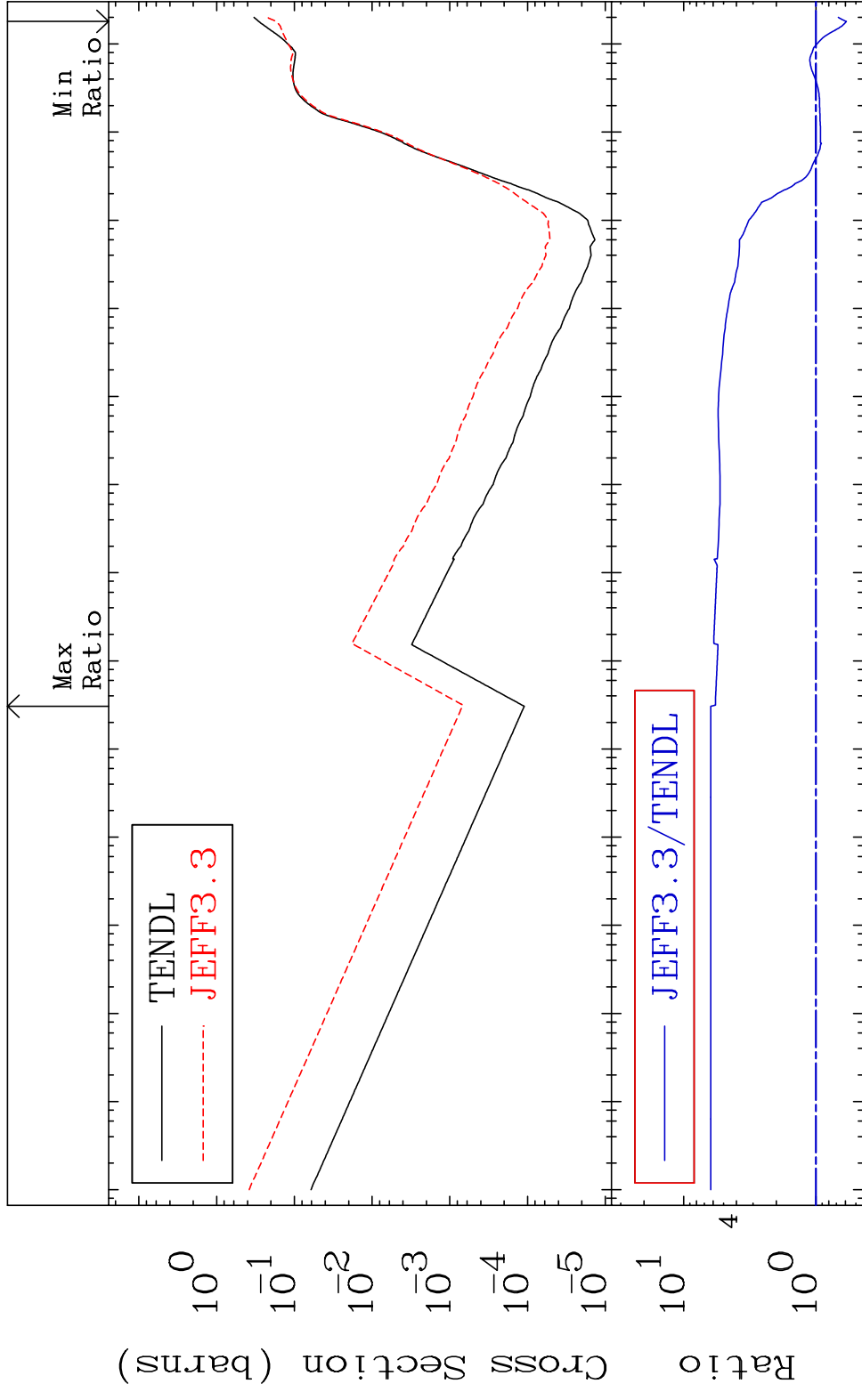


MAT 4628

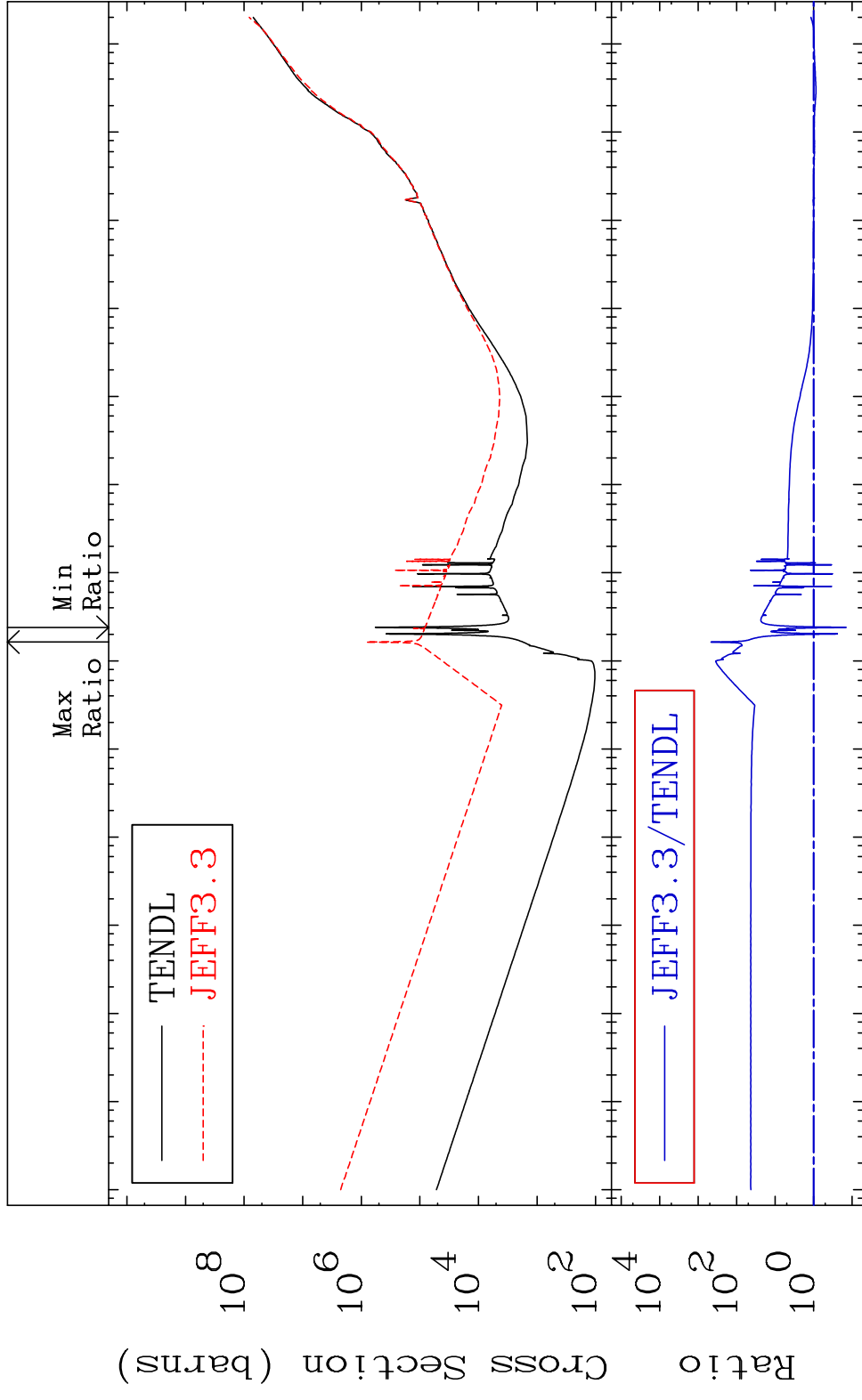
He-4 Production

46-Pd-103

Cross Section -41.02 To 525.6 %



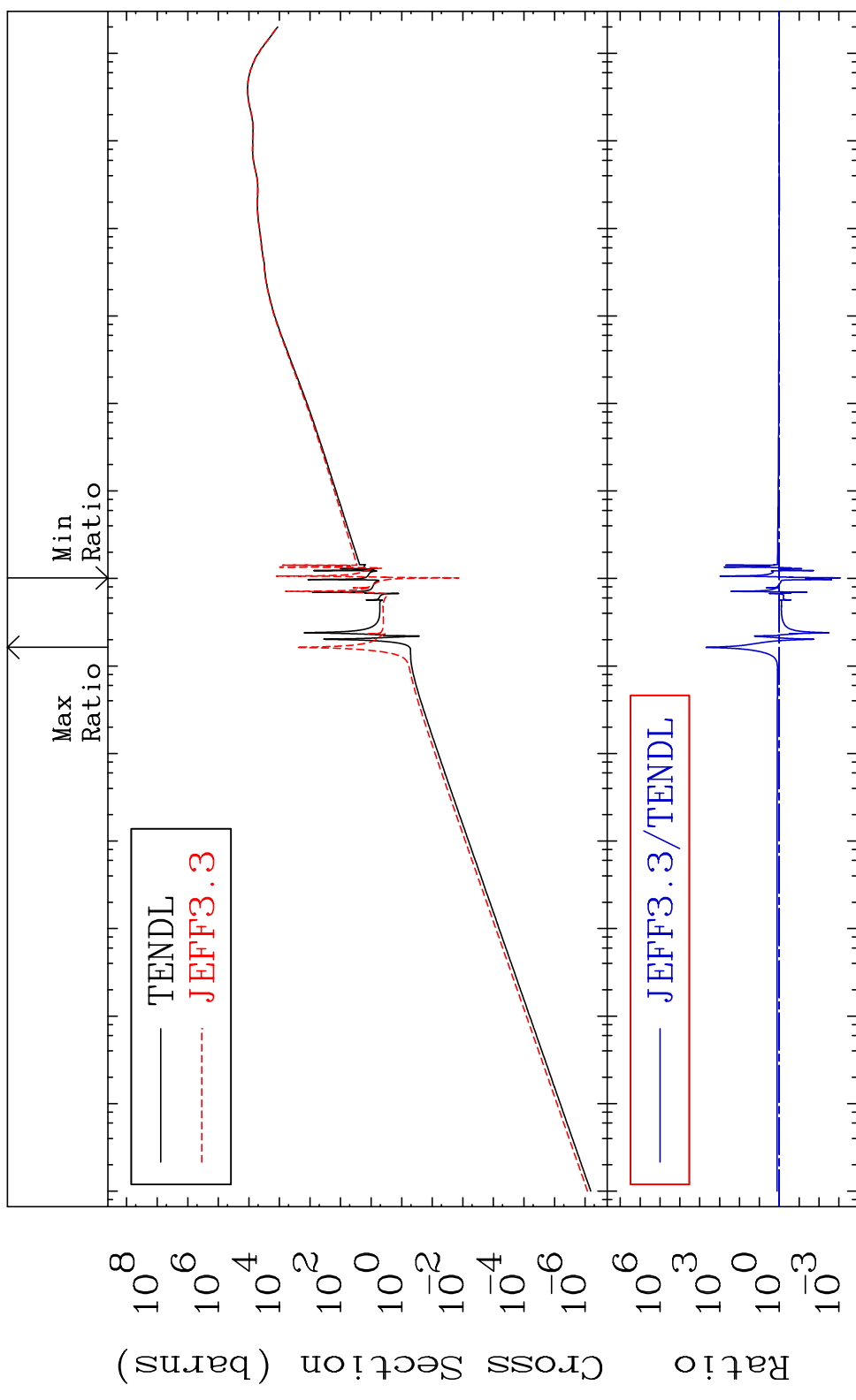
MAT 4628 Kerma total (eV-barns) 46-Pd-103  
 Cross Section -85.80 To 9999. %



Ratio  
 Cross Section (barns)  
 Incident Energy (eV)

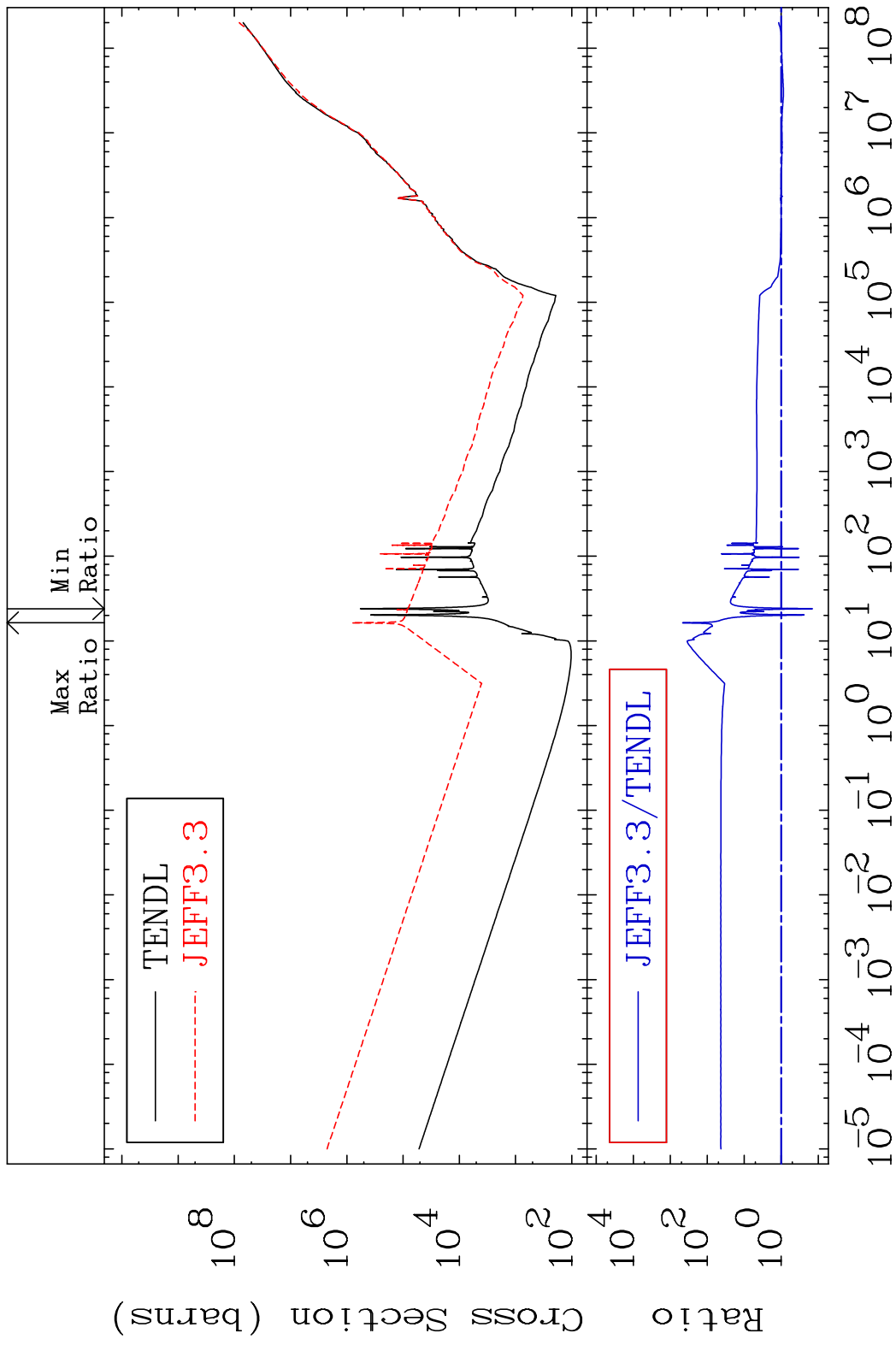
MAT 4628

Kerma elastic Cross Section -99.92 To 9999. %  
46-Pd-103



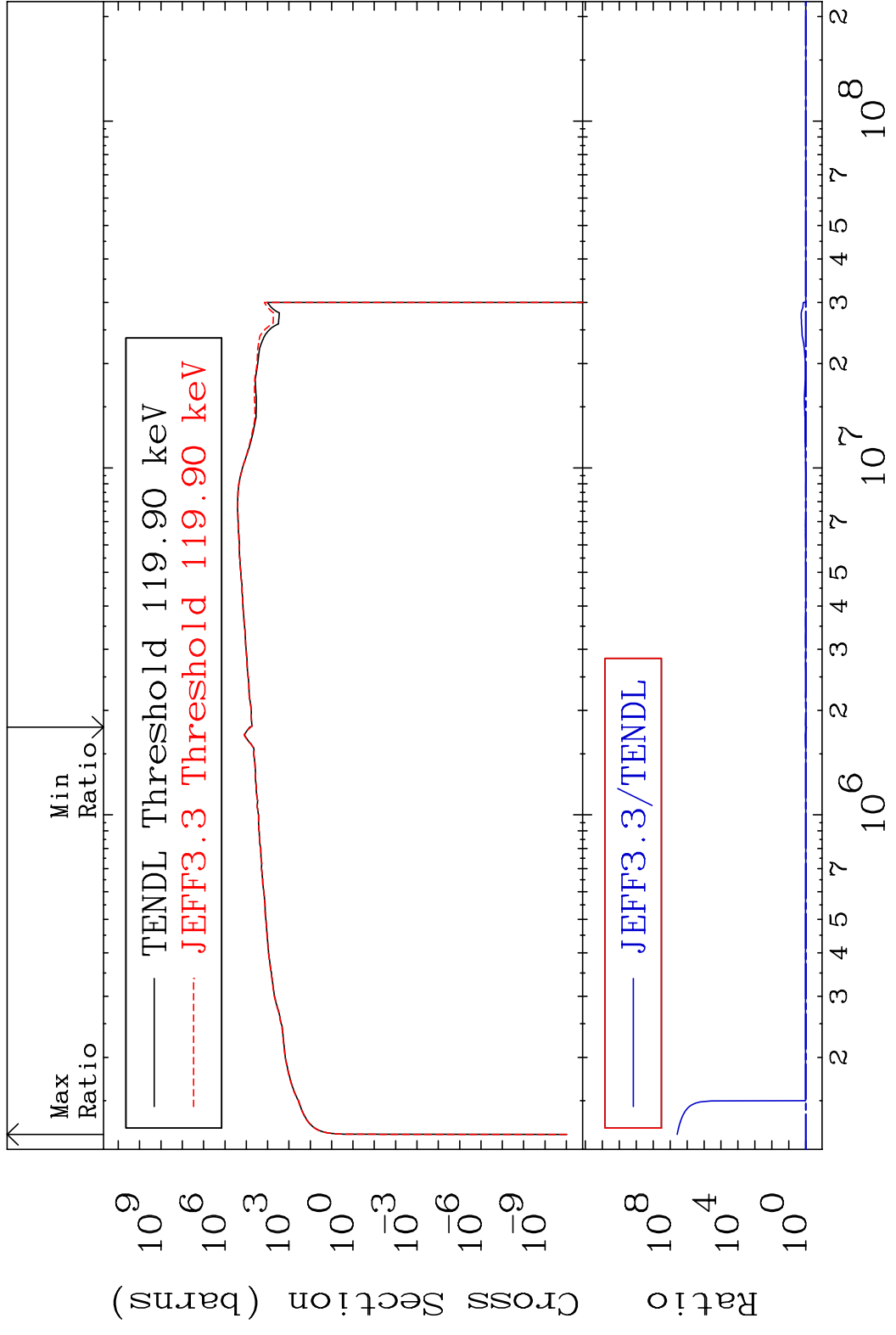
70 Incident Energy (eV) 46-Pd-103

MAT 4628 Kerma non-elastic (all but mt2) 46-Pd-103  
 Cross Section -85.76 To 9999. %

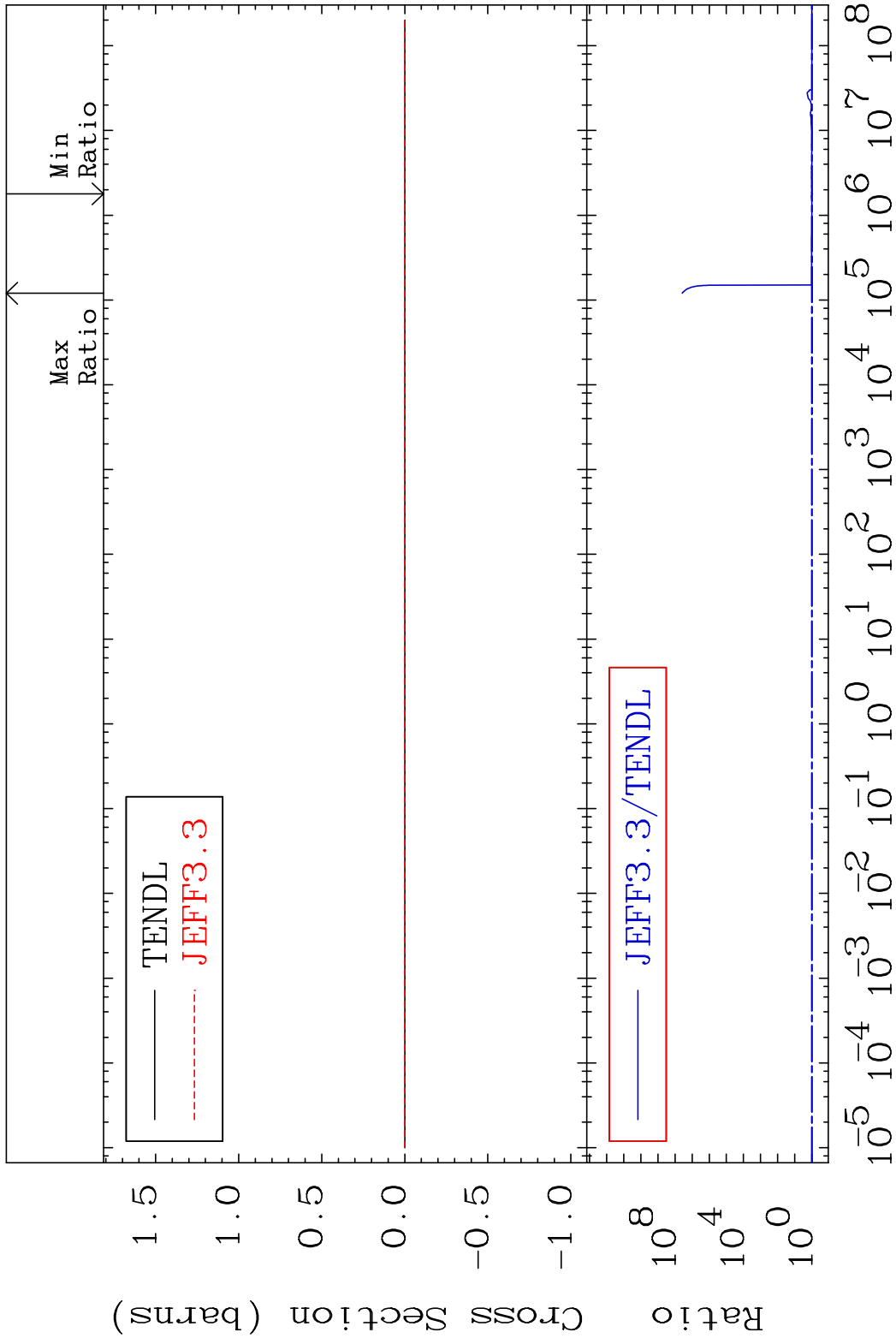




MAT 4628 Kerma inelastic (mt51-91) 46-Pd-103  
 Cross Section -8.645 To 9999. %

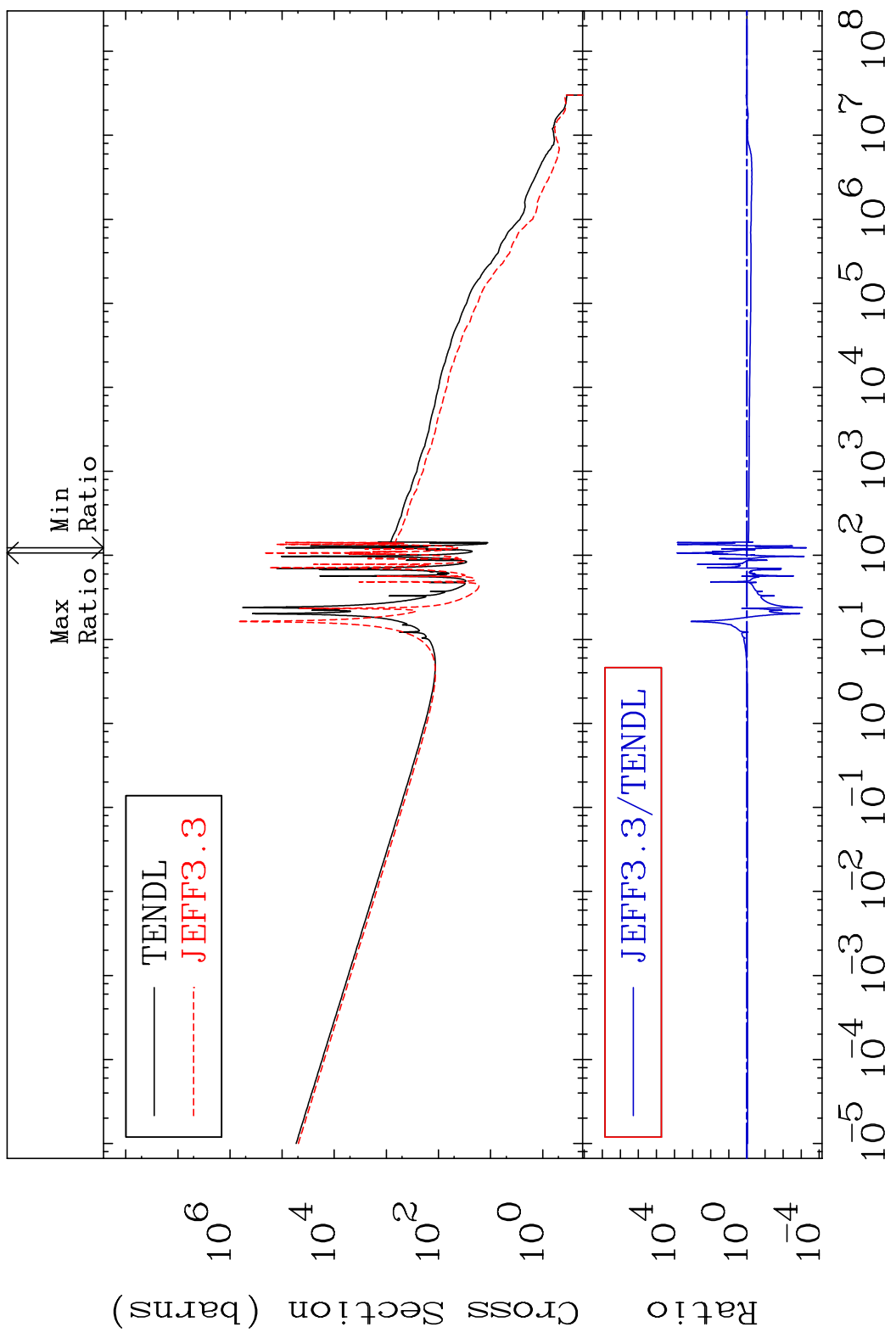


MAT 4628 Kerma fission (mt18 or mt19-20-21-38) 46-Pd-103  
 Cross Section -8.645 To 9999. %



MAT 4628

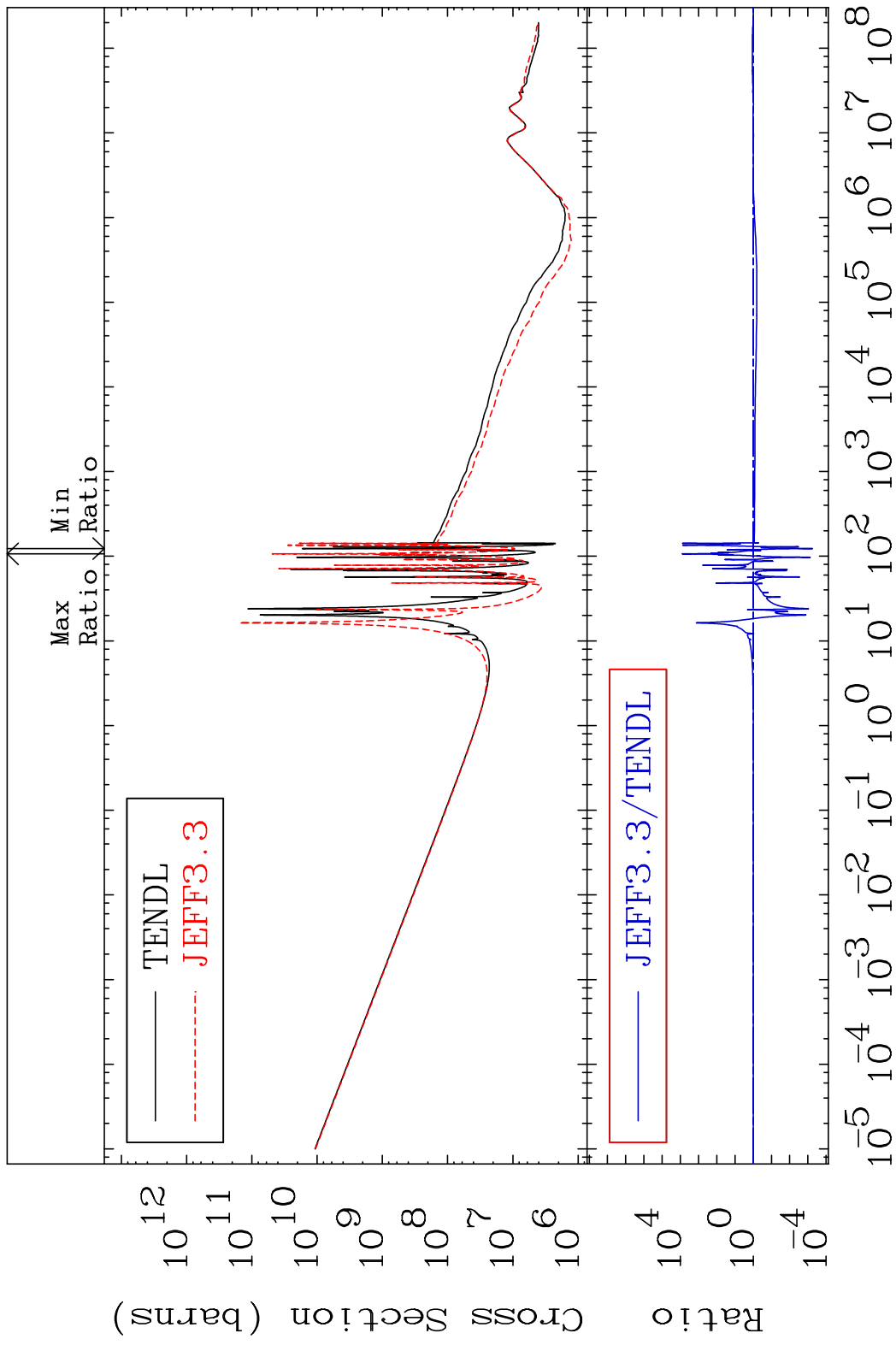
Kerma capture (mt102) 46-Pd-103  
Cross Section -99.95 To 9999. %



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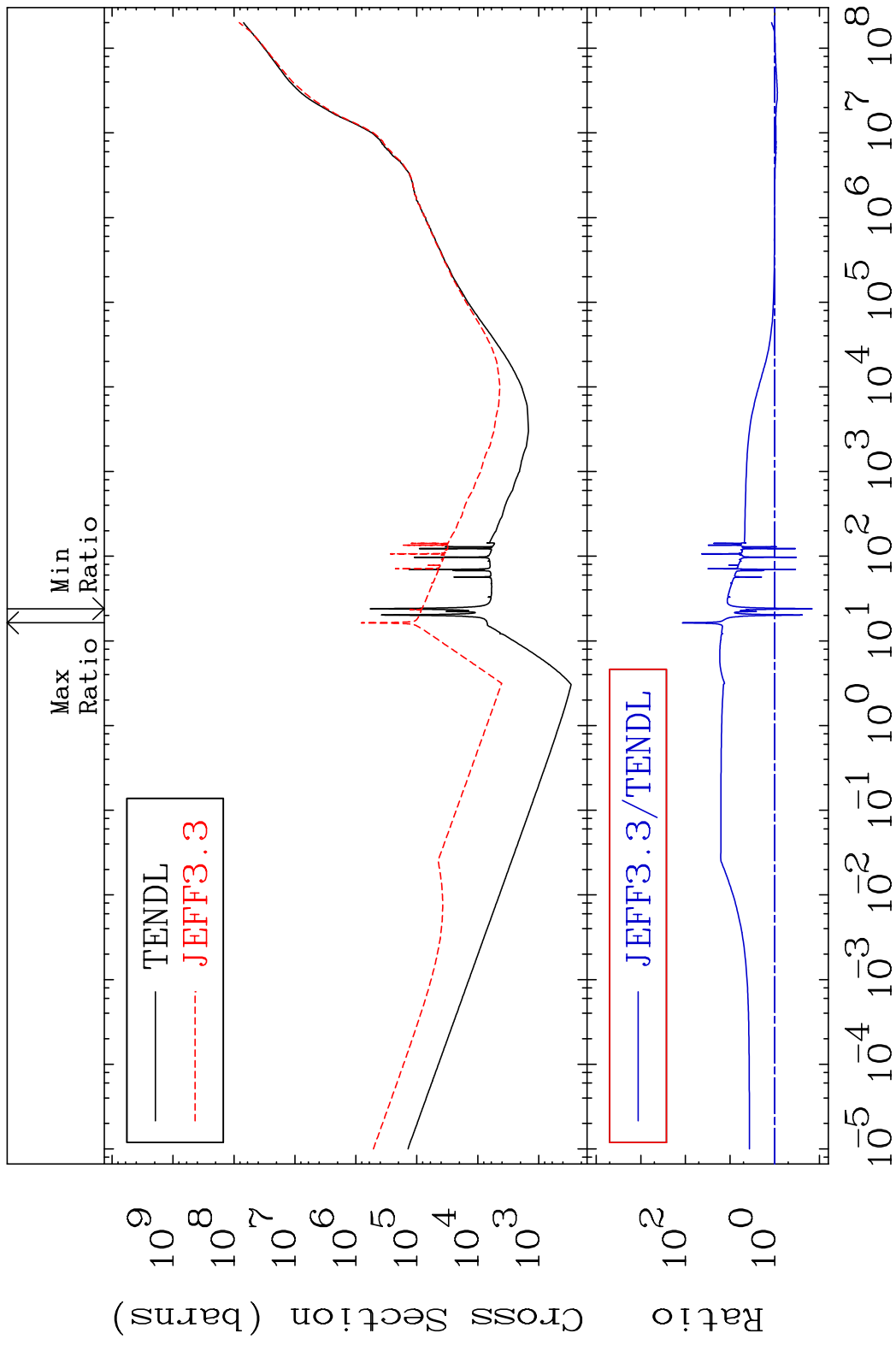
Incident Energy (eV) 46-Pd-103

MAT 4628 Total photon (eV-barns) 46-Pd-103  
 Cross Section -99.94 To 9999. %



75 Incident Energy (eV) 46-Pd-103

MAT 4628 Total kinematic kerma (high limit) 46-Pd-103  
 Cross Section -85.79 To 9999. %

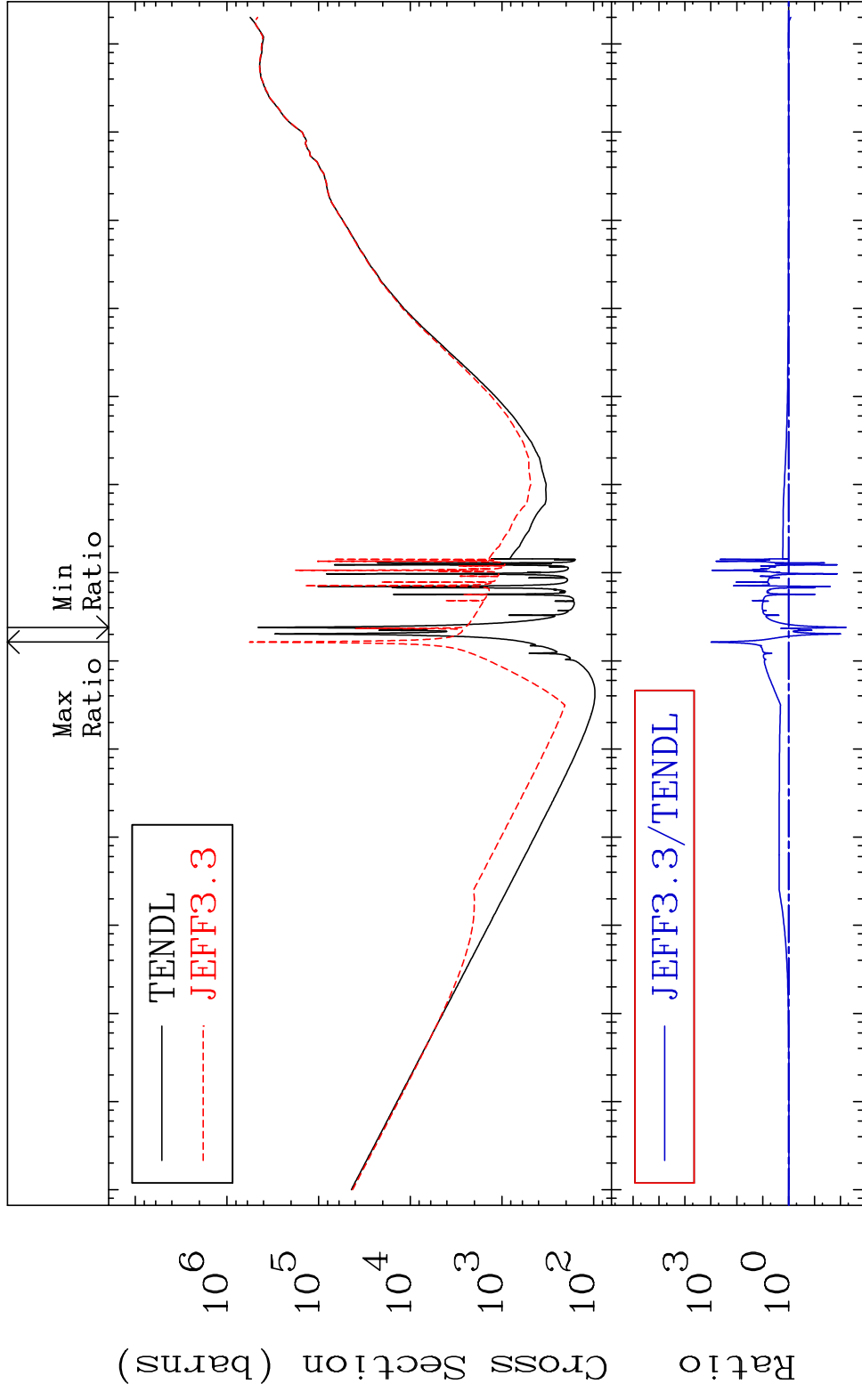


MAT 4628

Dpa total (eV-barns)

46-Pd-103

Cross Section -99.40 To 9999. %



77

Incident Energy (eV)

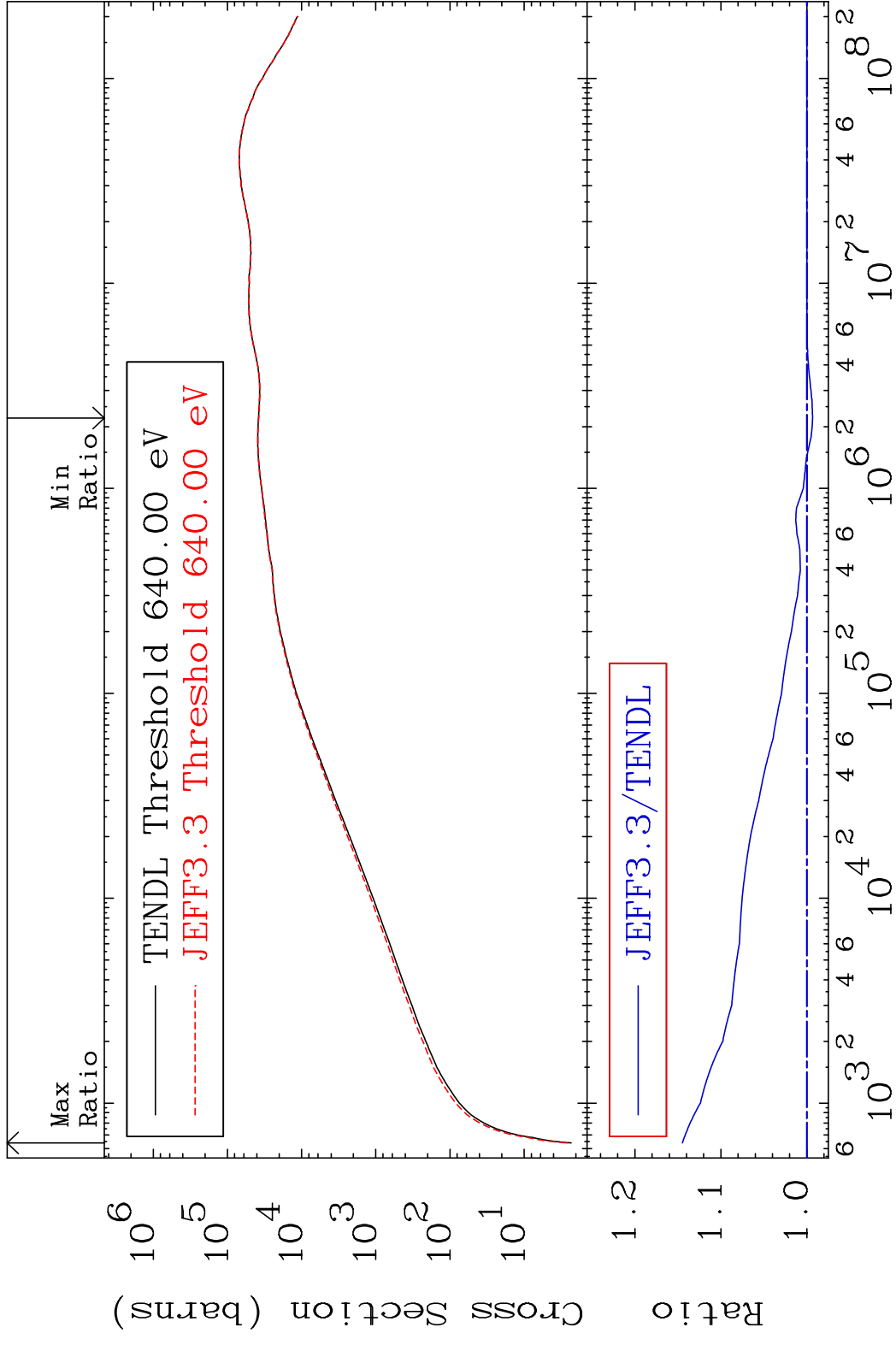
46-Pd-103

MAT 4628

Dpa elastic (mt2)

46-Pd-103

Cross Section -0.662 To 14.48 %

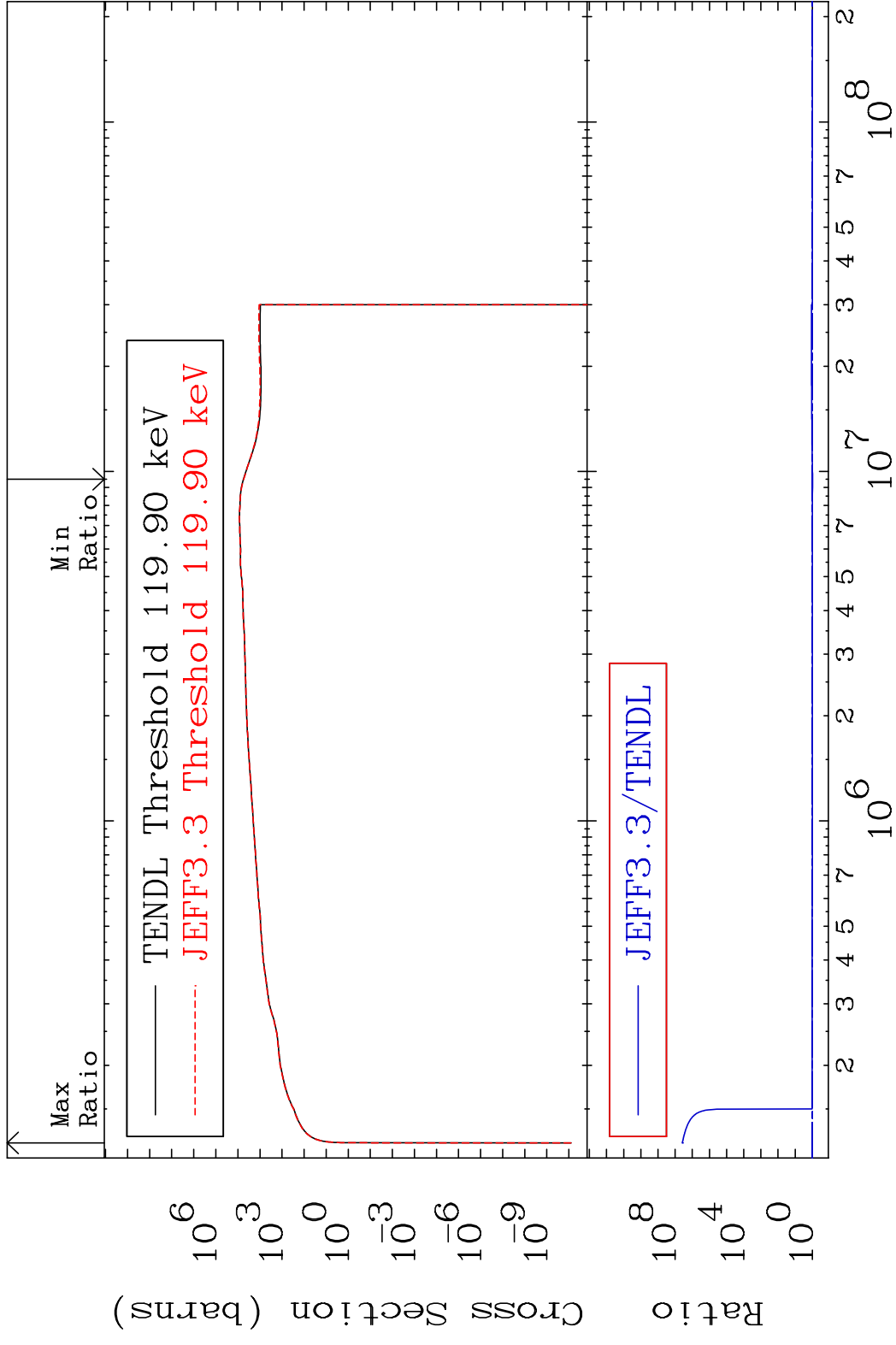


78

Incident Energy (eV)

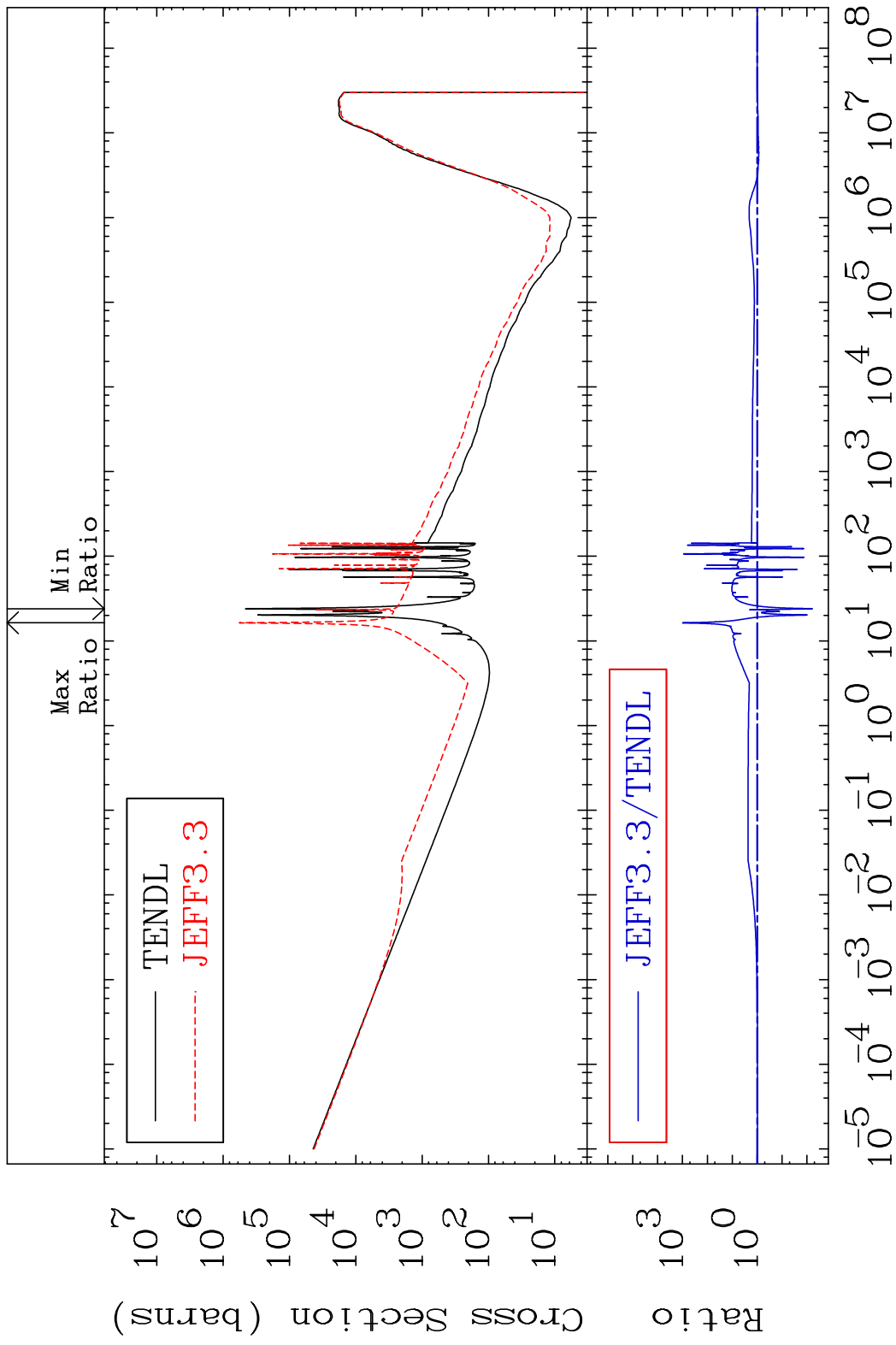
46-Pd-103

MAT 4628 Dpa inelastic (mt51-91) 46-Pd-103  
 Cross Section -3.024 To 9999. %



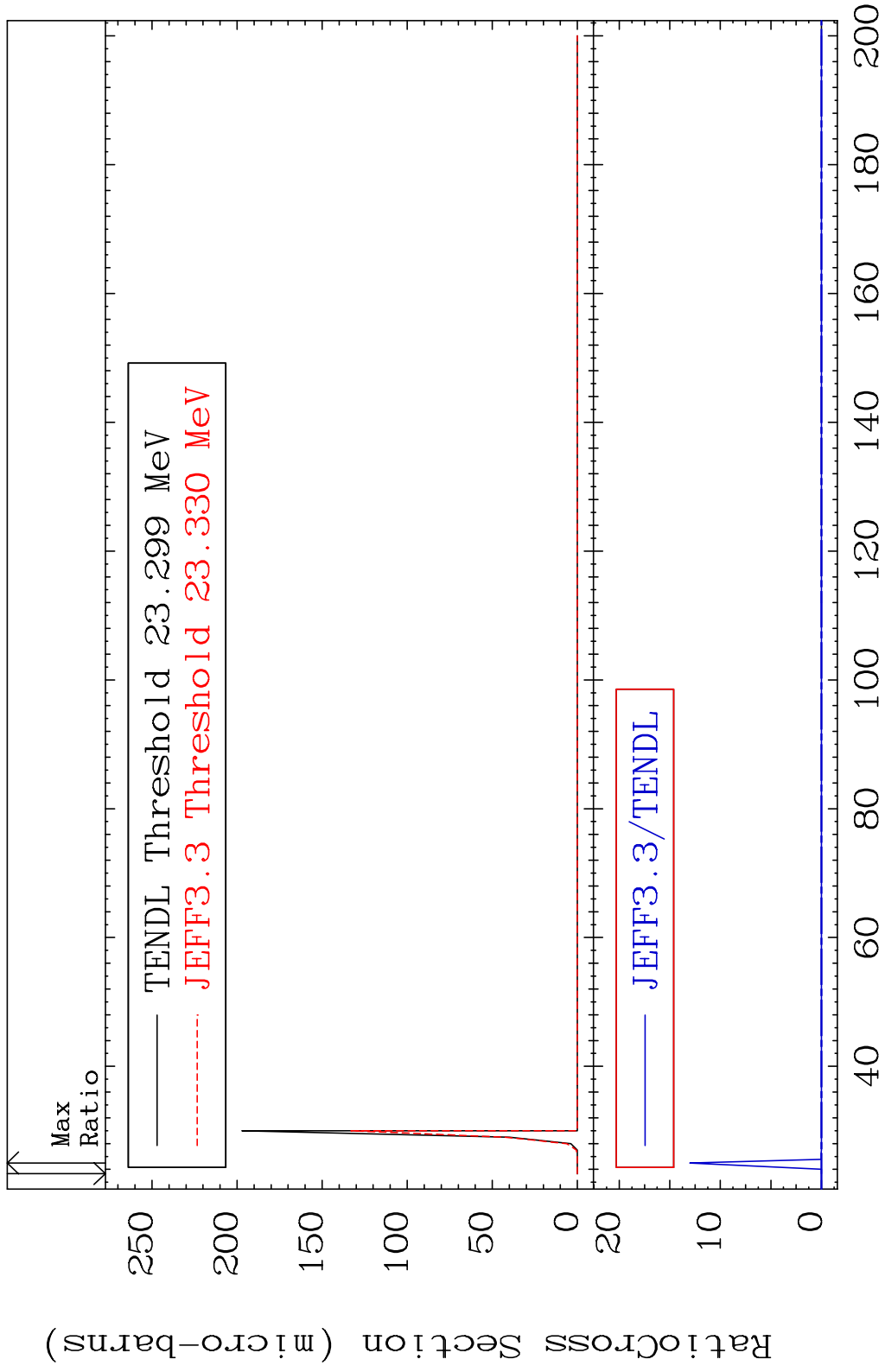


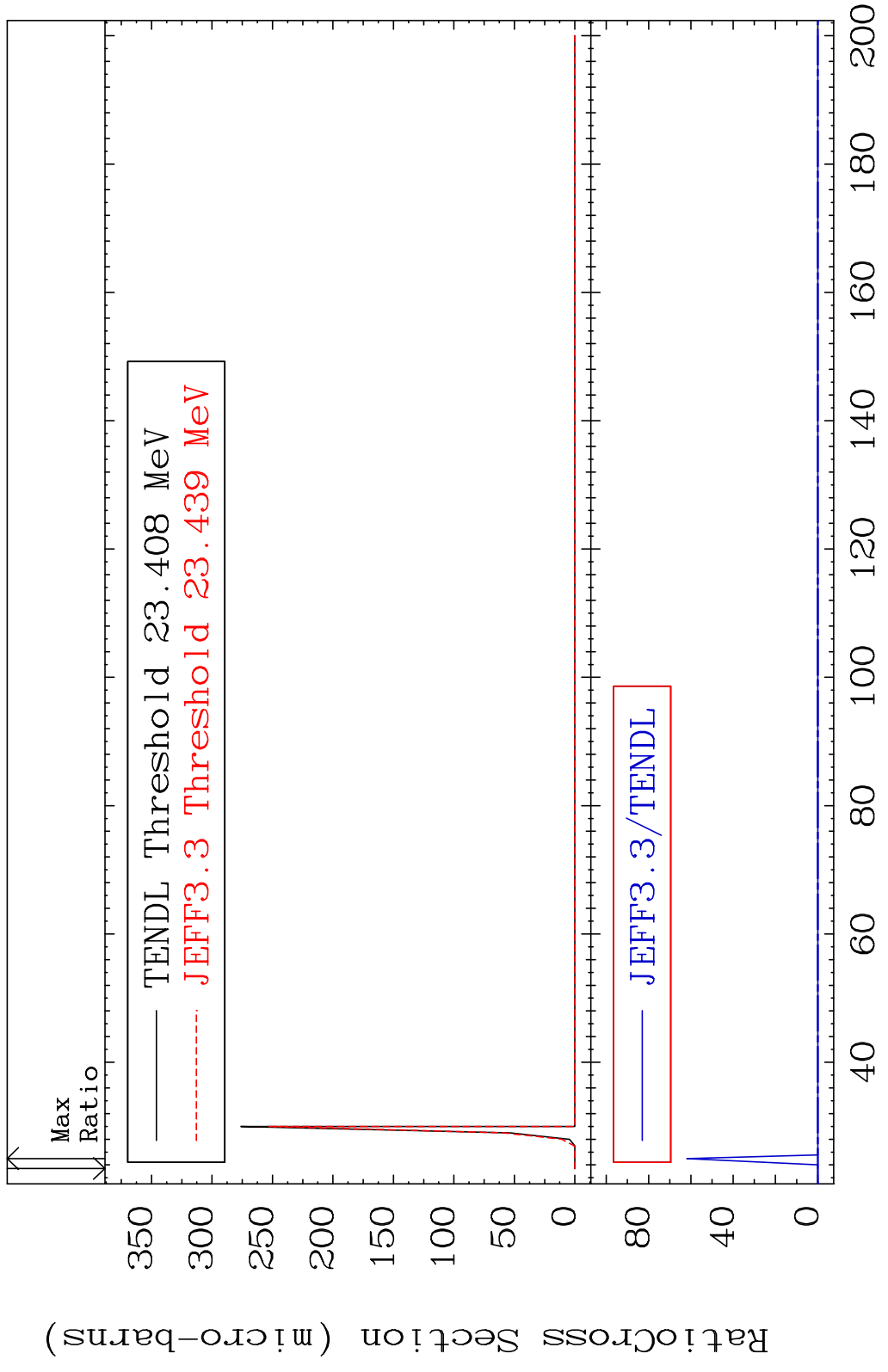
MAT 4628 Dpa disappearance (mt102 -120) 46-Pd-103  
 Cross Section -99.40 To 9999. %



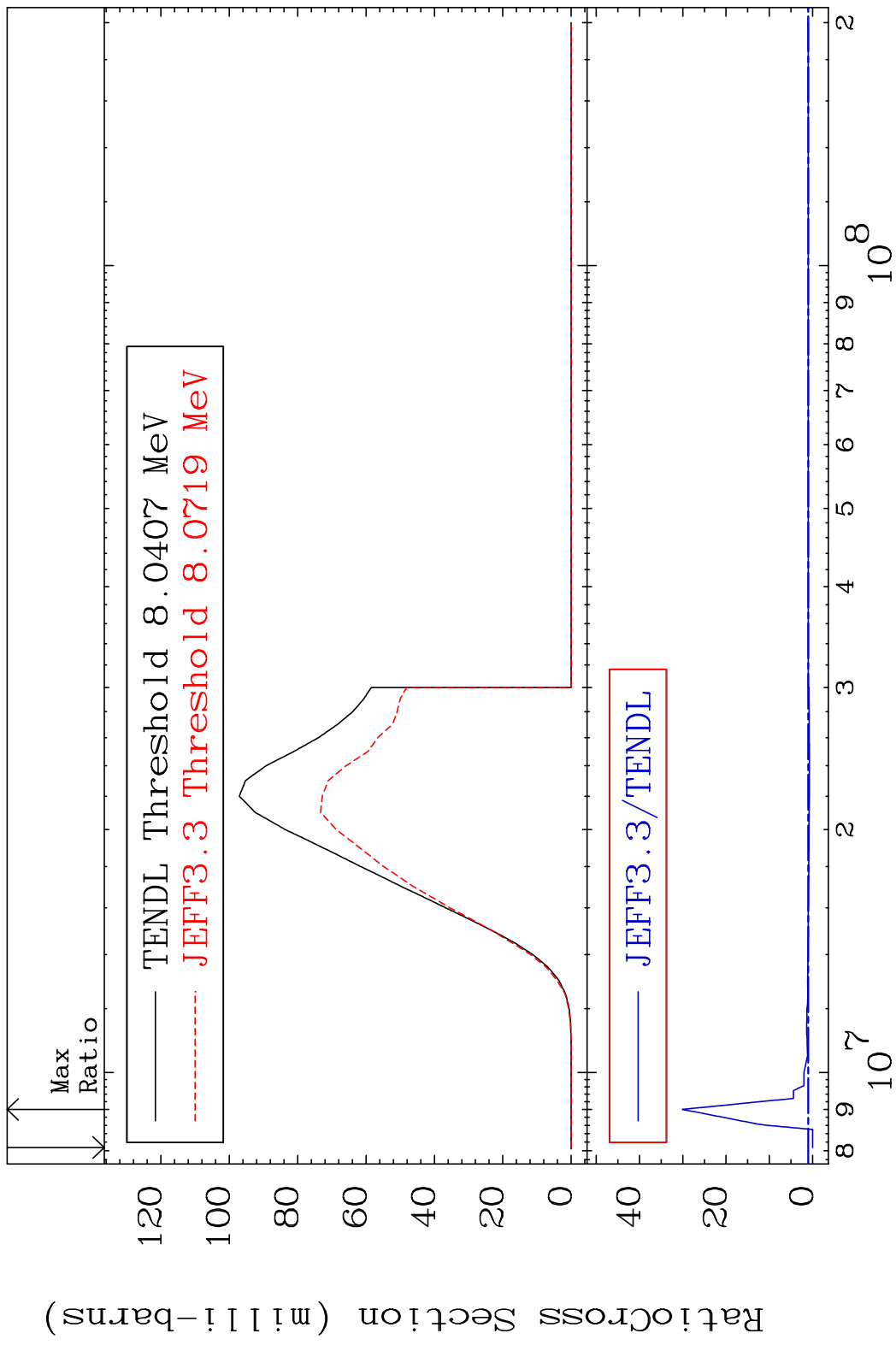
80 Incident Energy (eV) 46-Pd-103

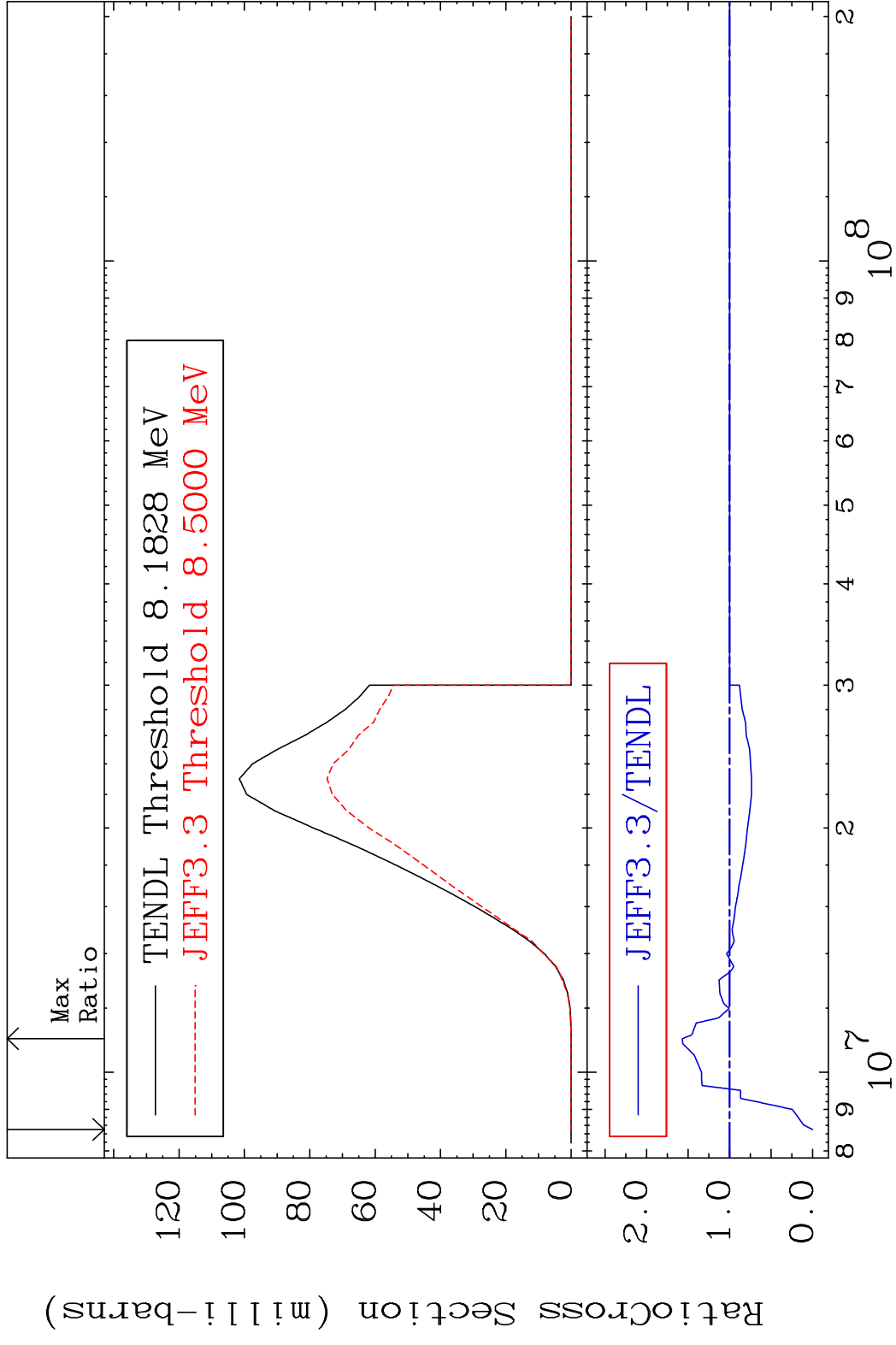
MAT 4628 (n,2n) d:45-Rh-100g 46-Pd-103  
 Radionuclide Production Cross Section 1800 d to 9999. %

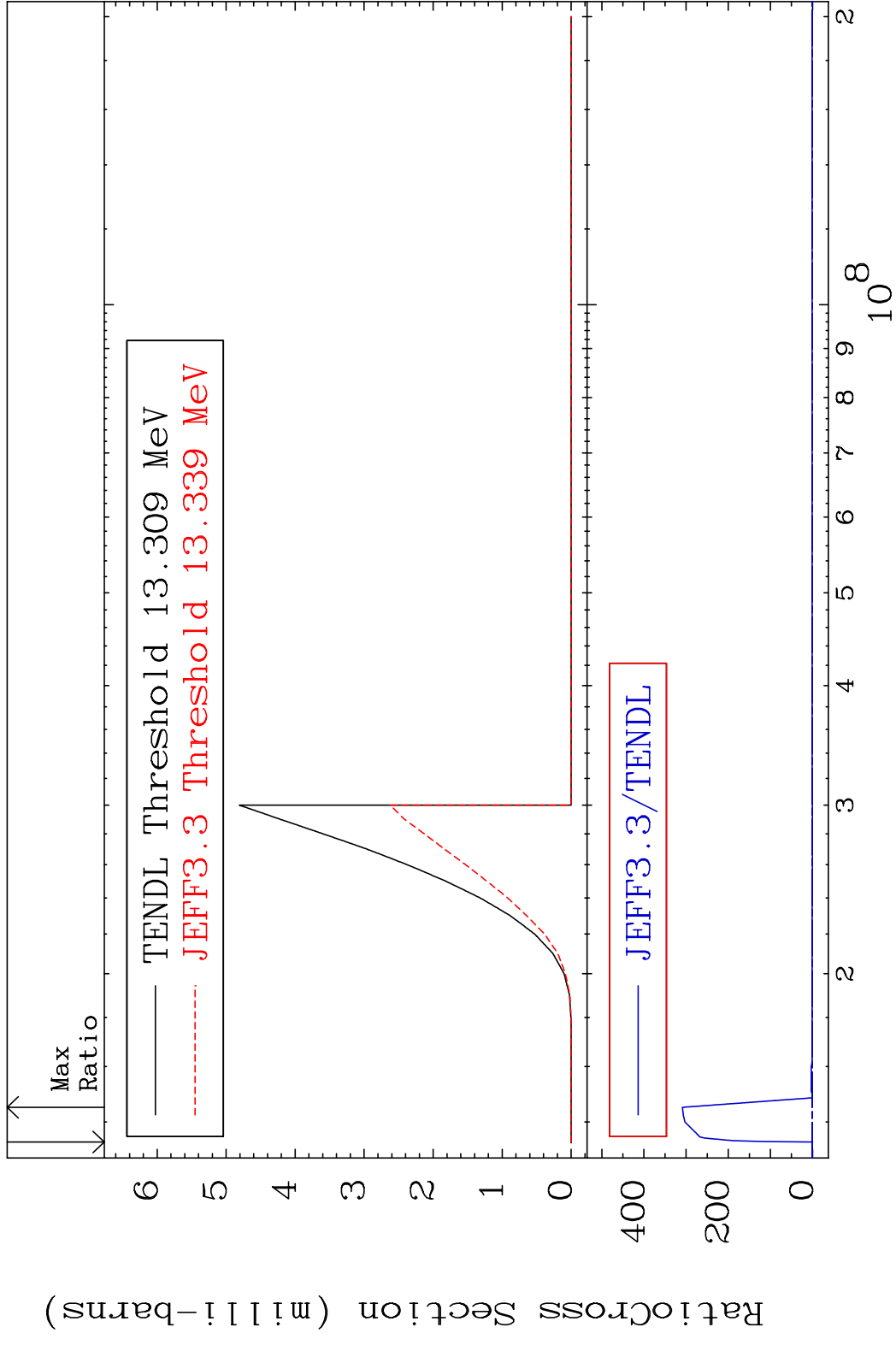




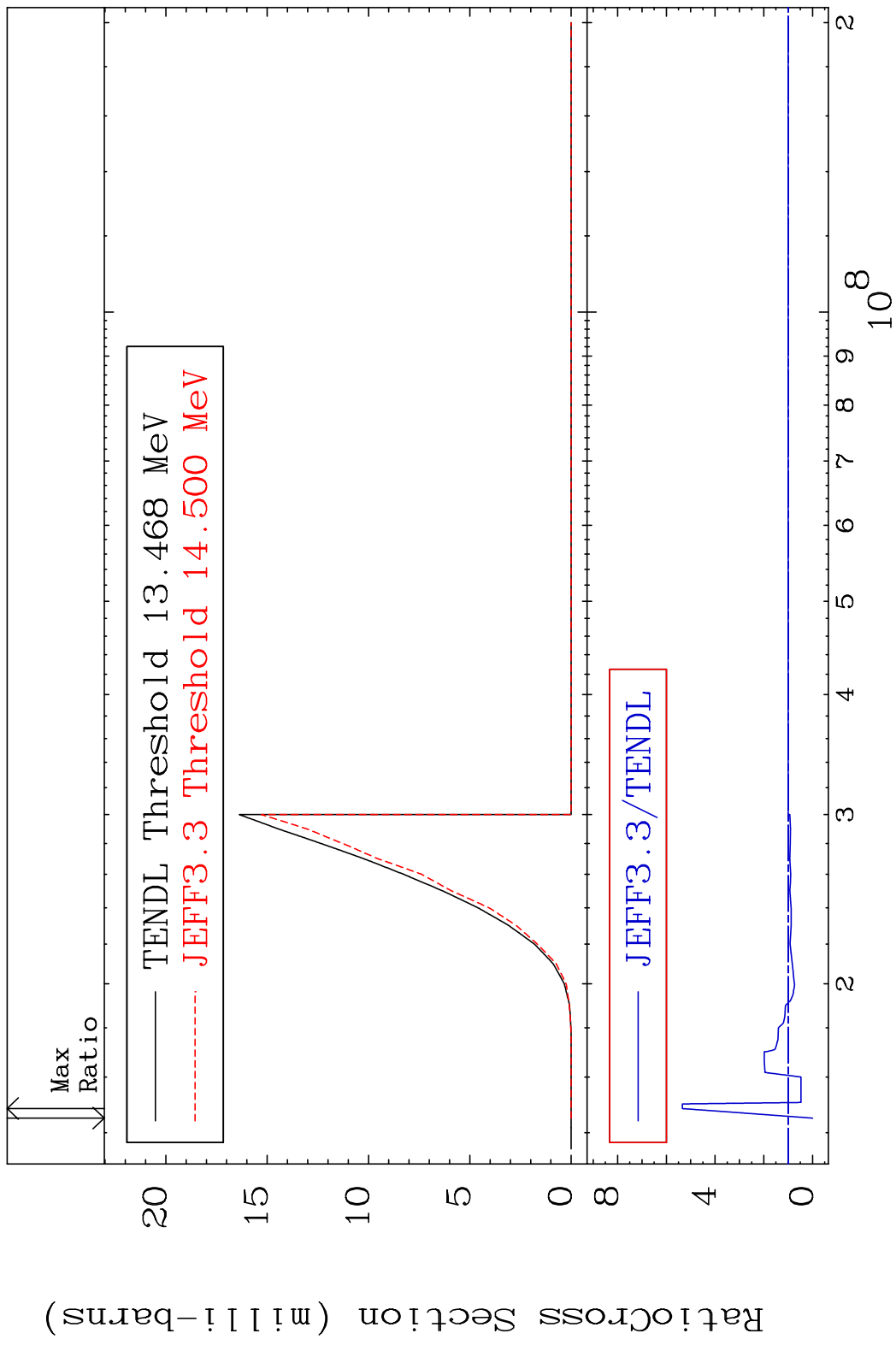
MAT 4628 (n, n') p:45-Rh-102g 46-Pd-103  
 Radionuclide Production Cross Section Ratio 2910. %



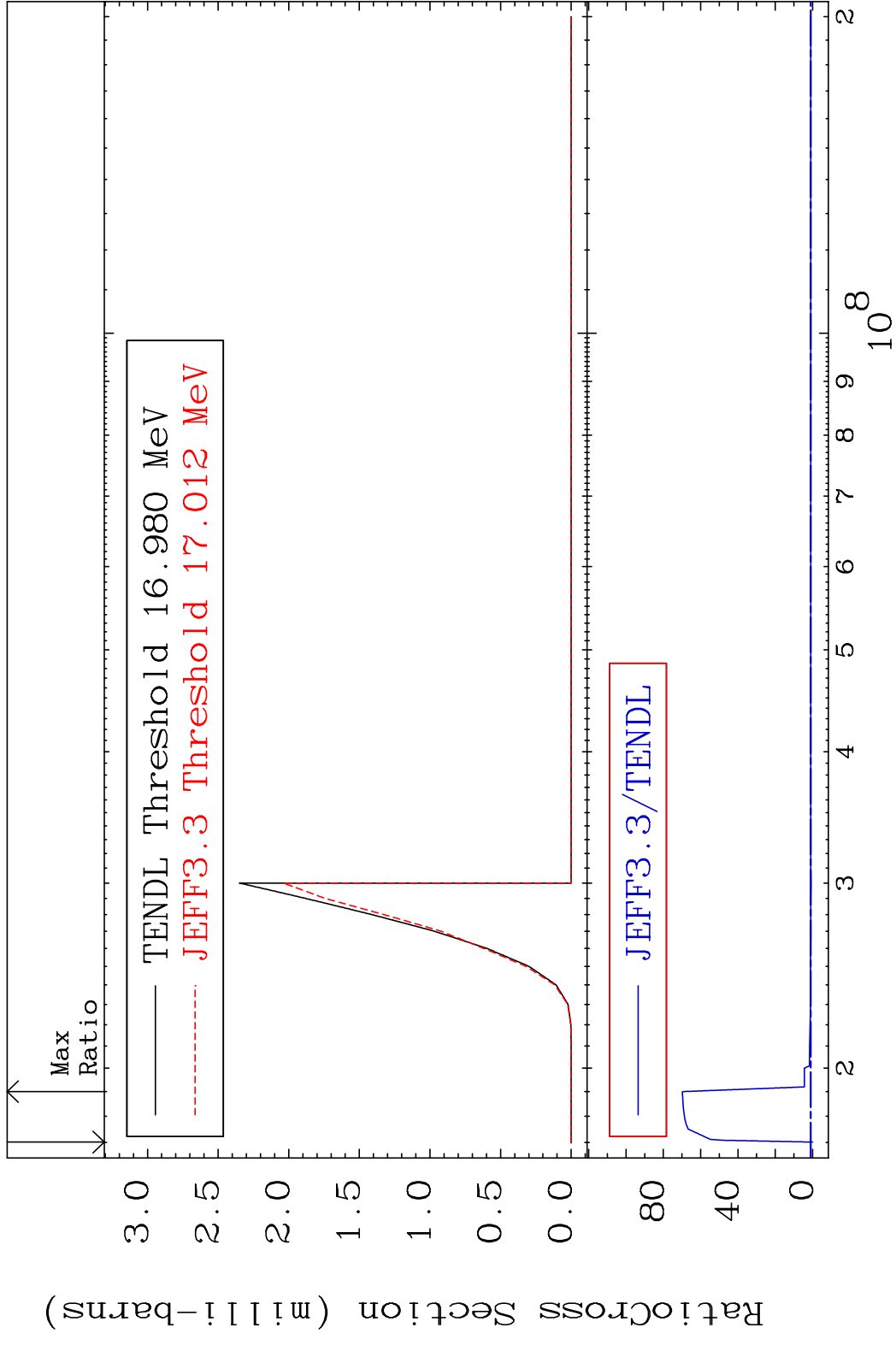




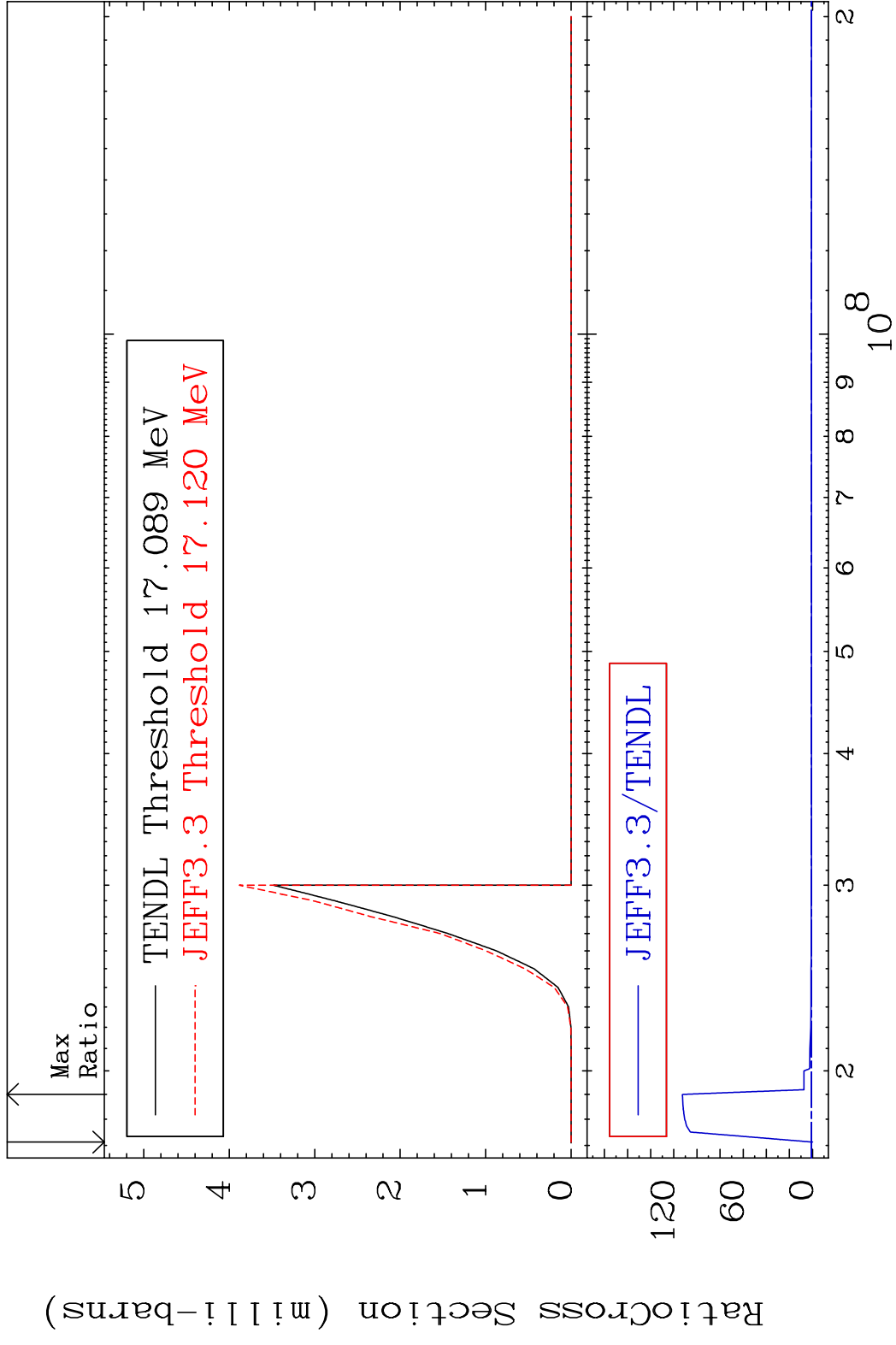
MAT 4628 (n, n') d:45-Rh-101m1 46-Pd-103  
 Radionuclide Production Cross Section Ratio 434.3 %



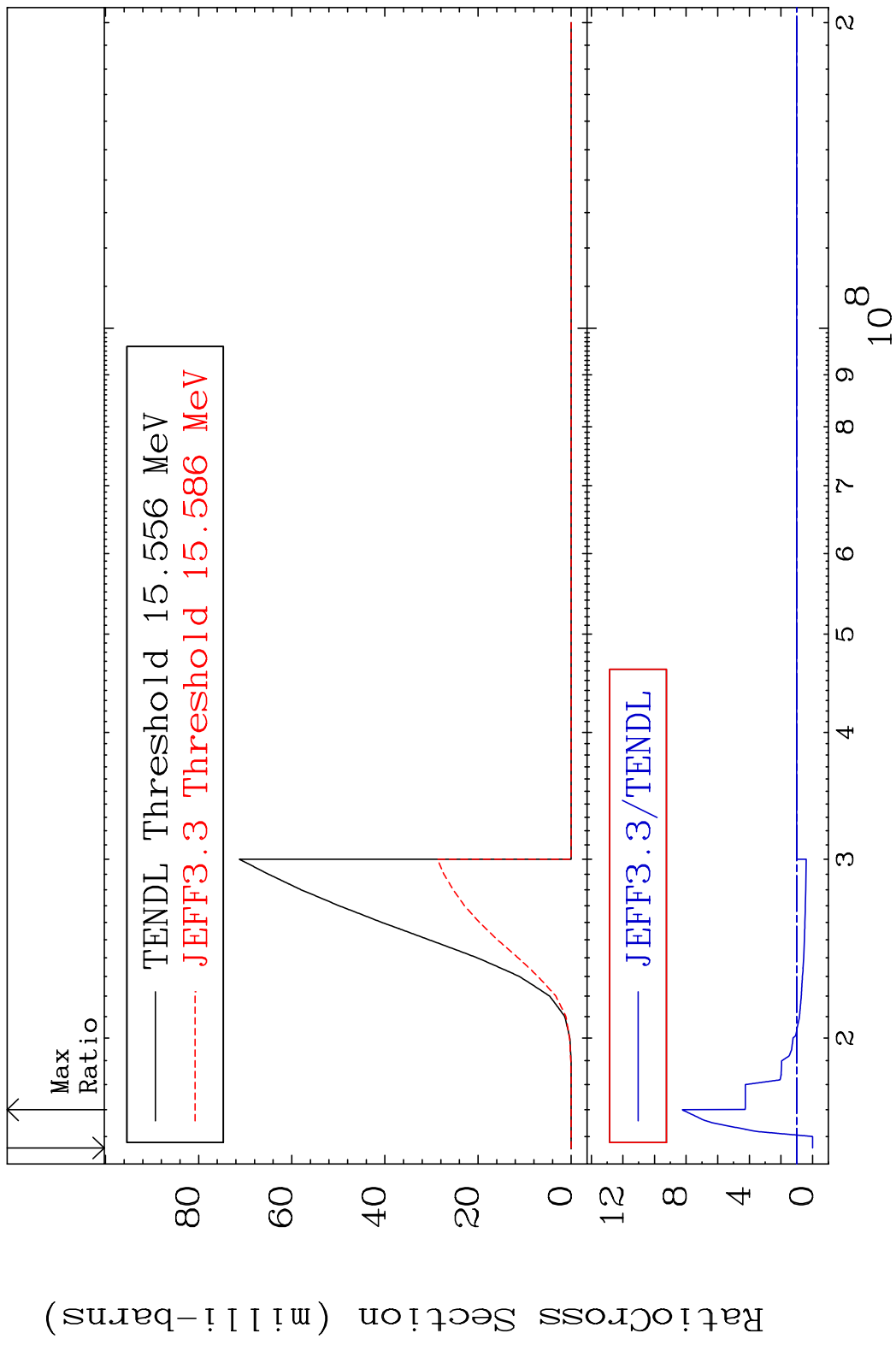
MAT 4628 (n, n') t:45-Rh-100g 46-Pd-103  
 Radionuclide Production Cross Section 1800 d to 6879. %

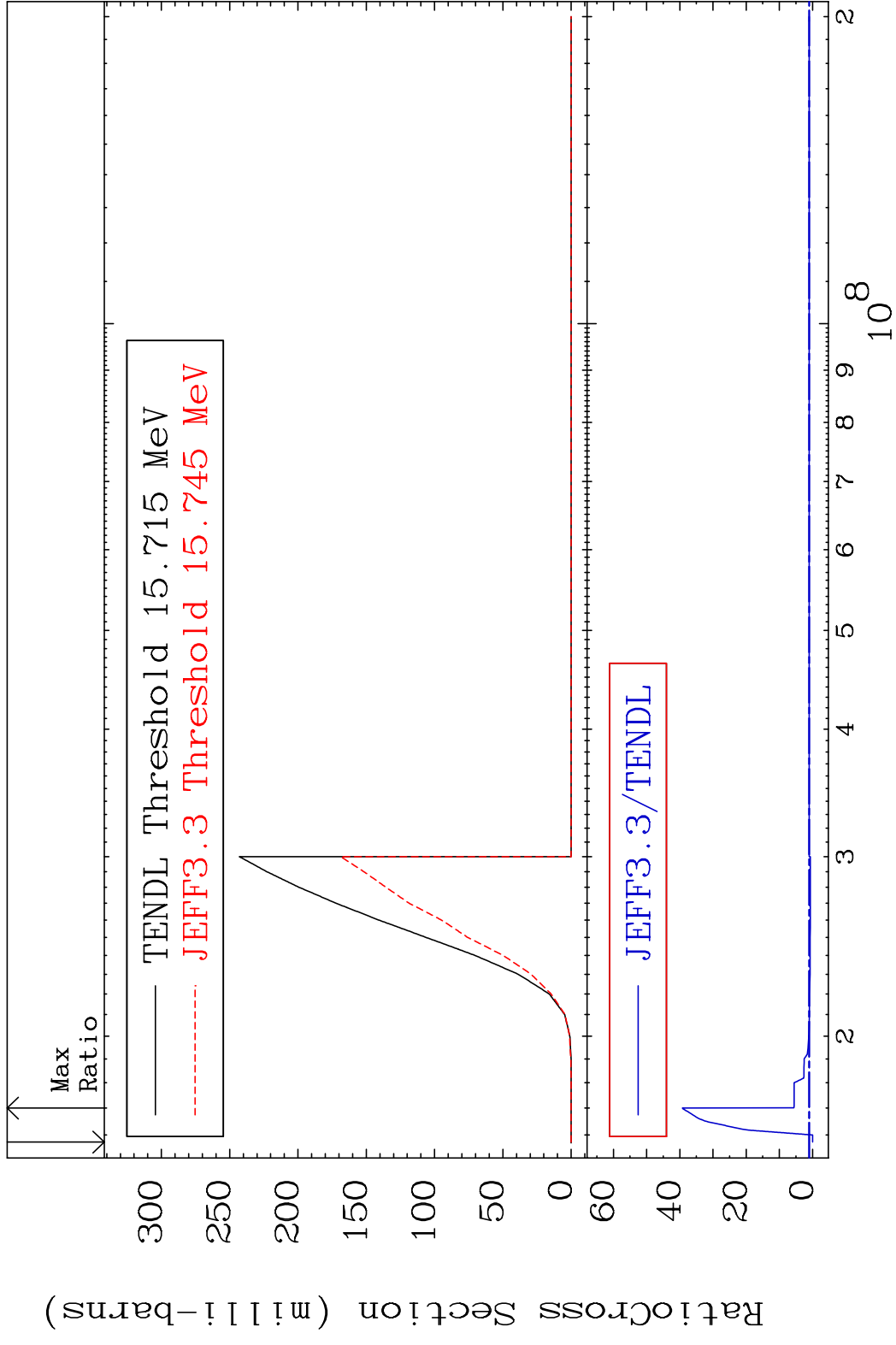


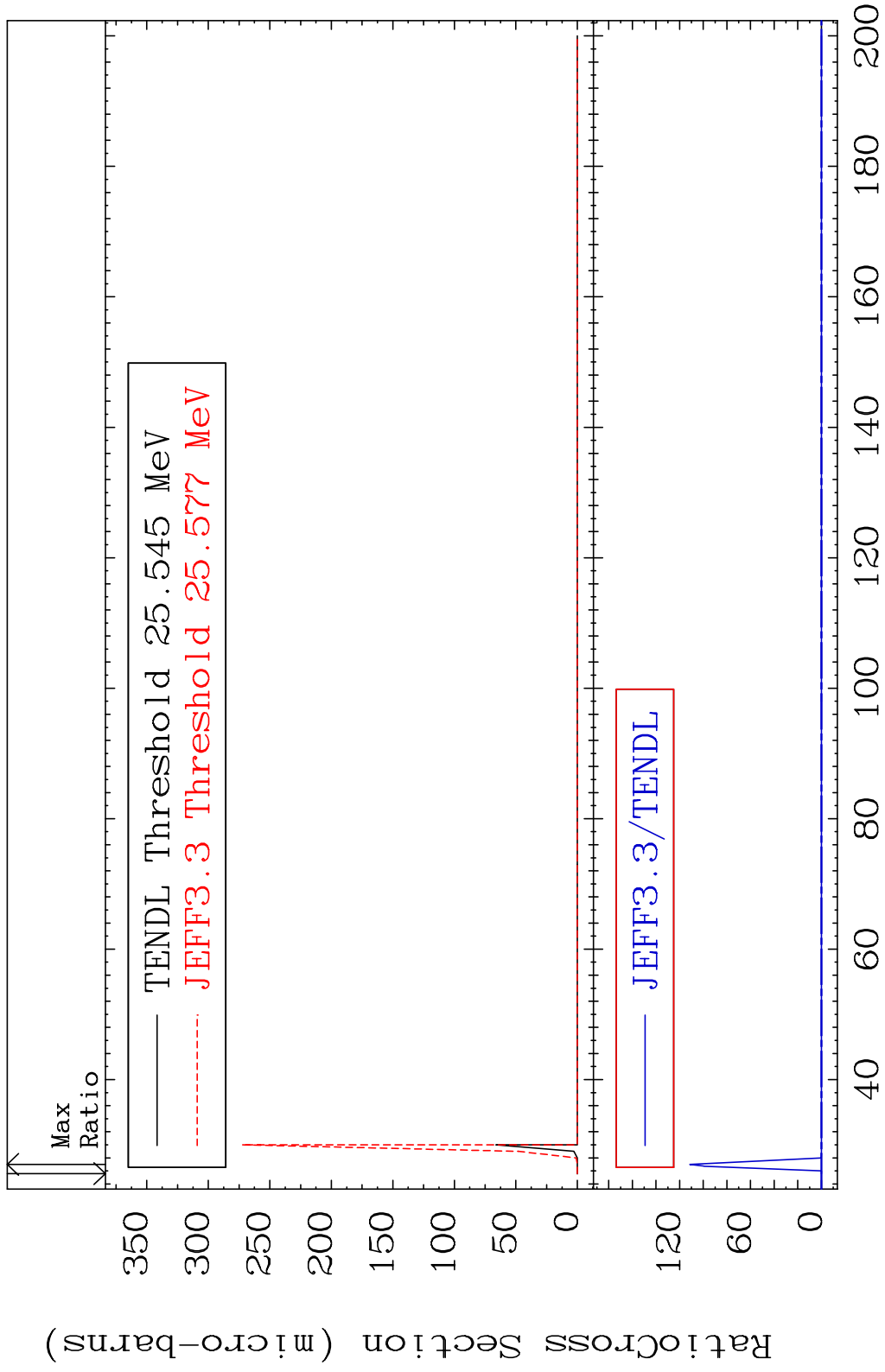


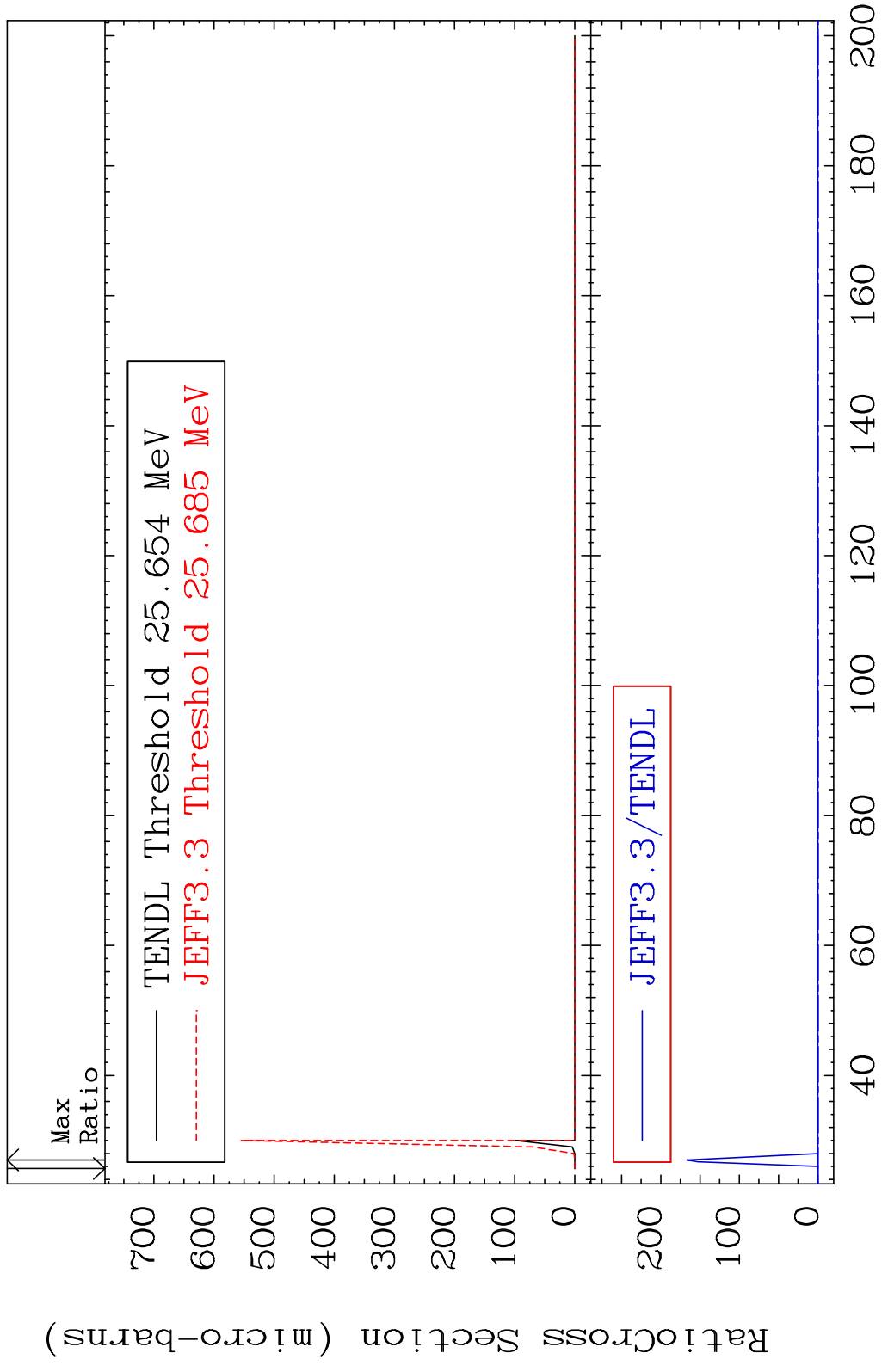


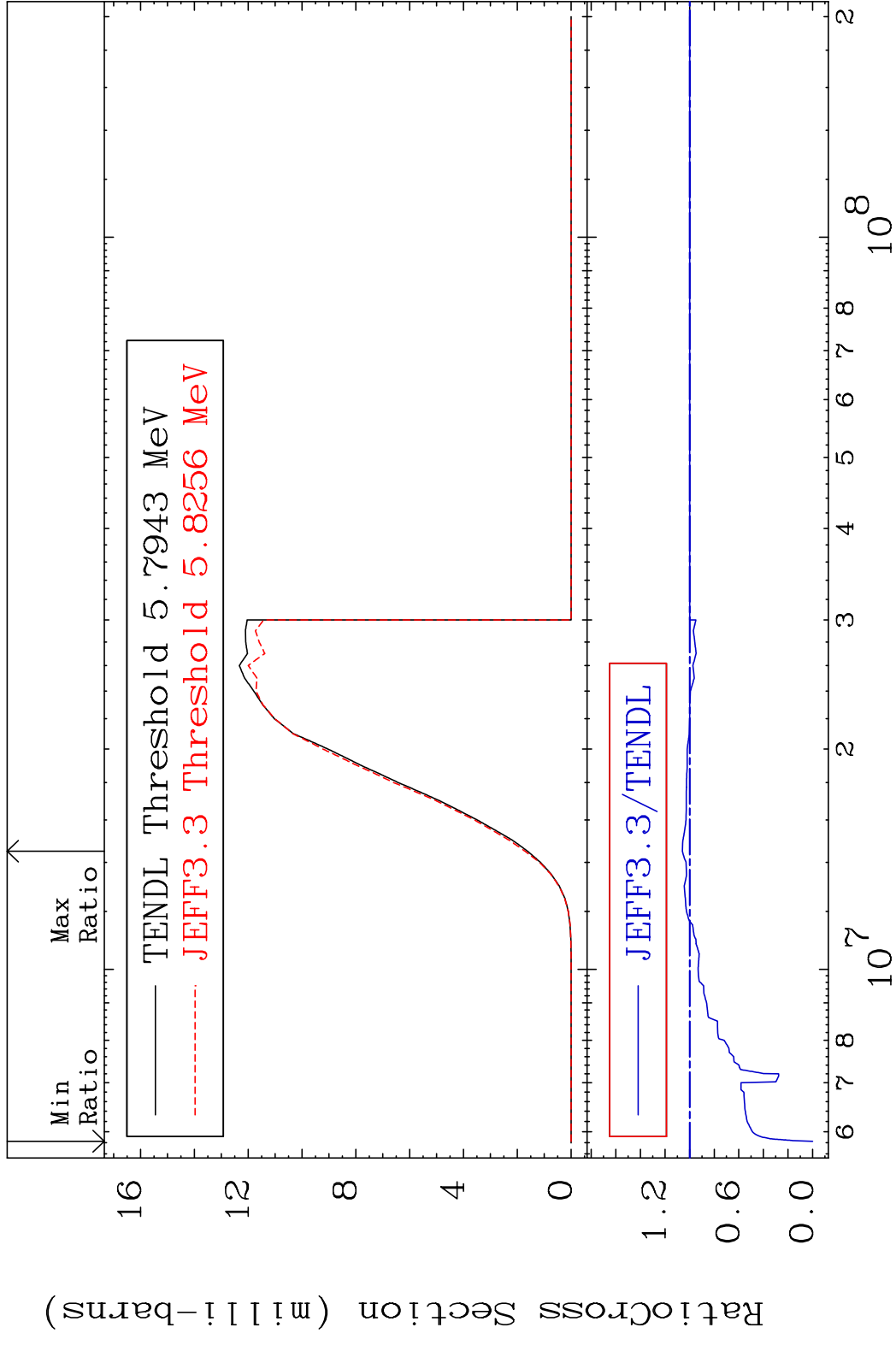
MAT 4628 (n,2n) p:45-Rh-101g 46-Pd-103  
 Radionuclide Production Cross Section 1800.0 dno 723.8 %

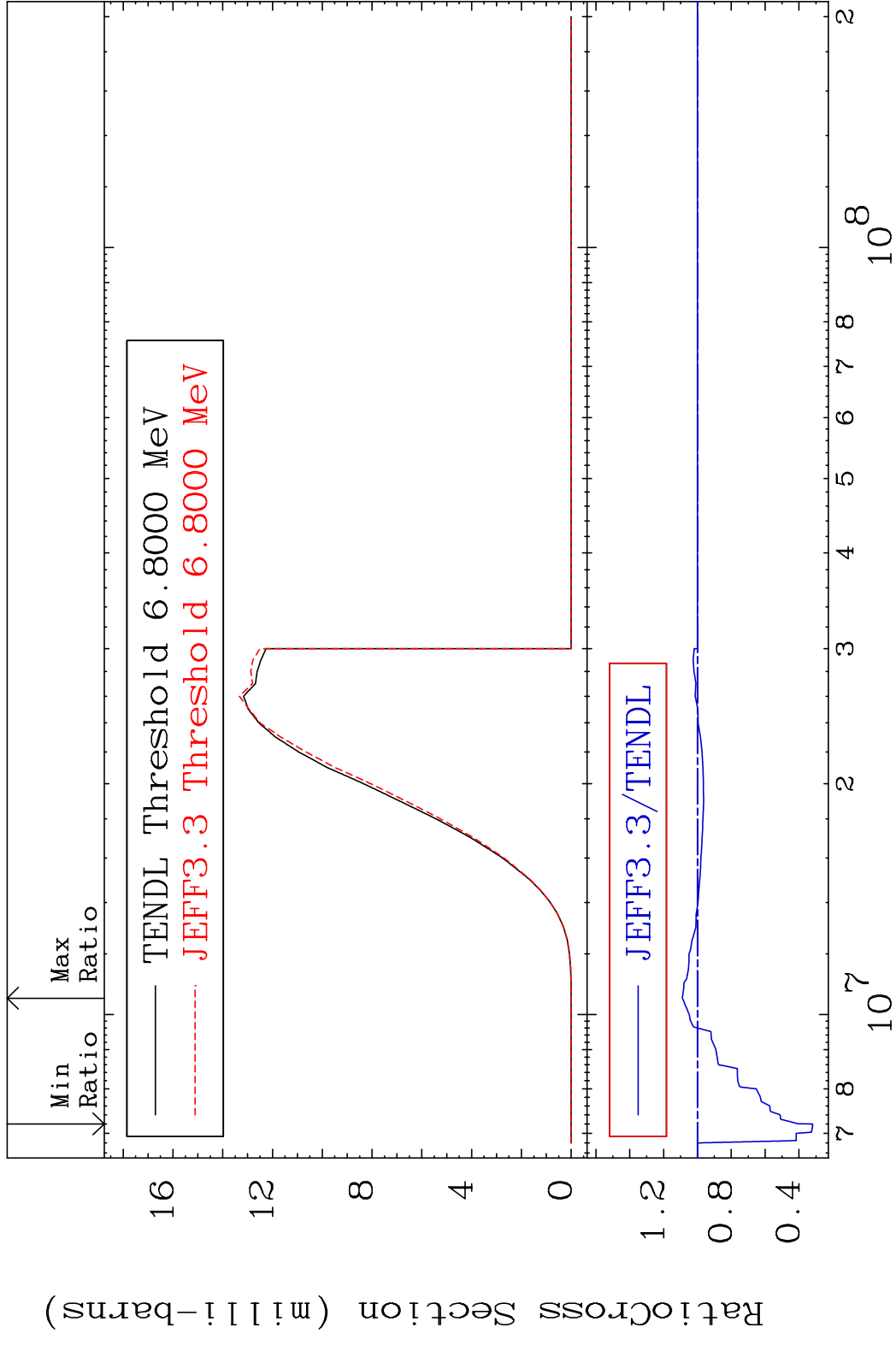




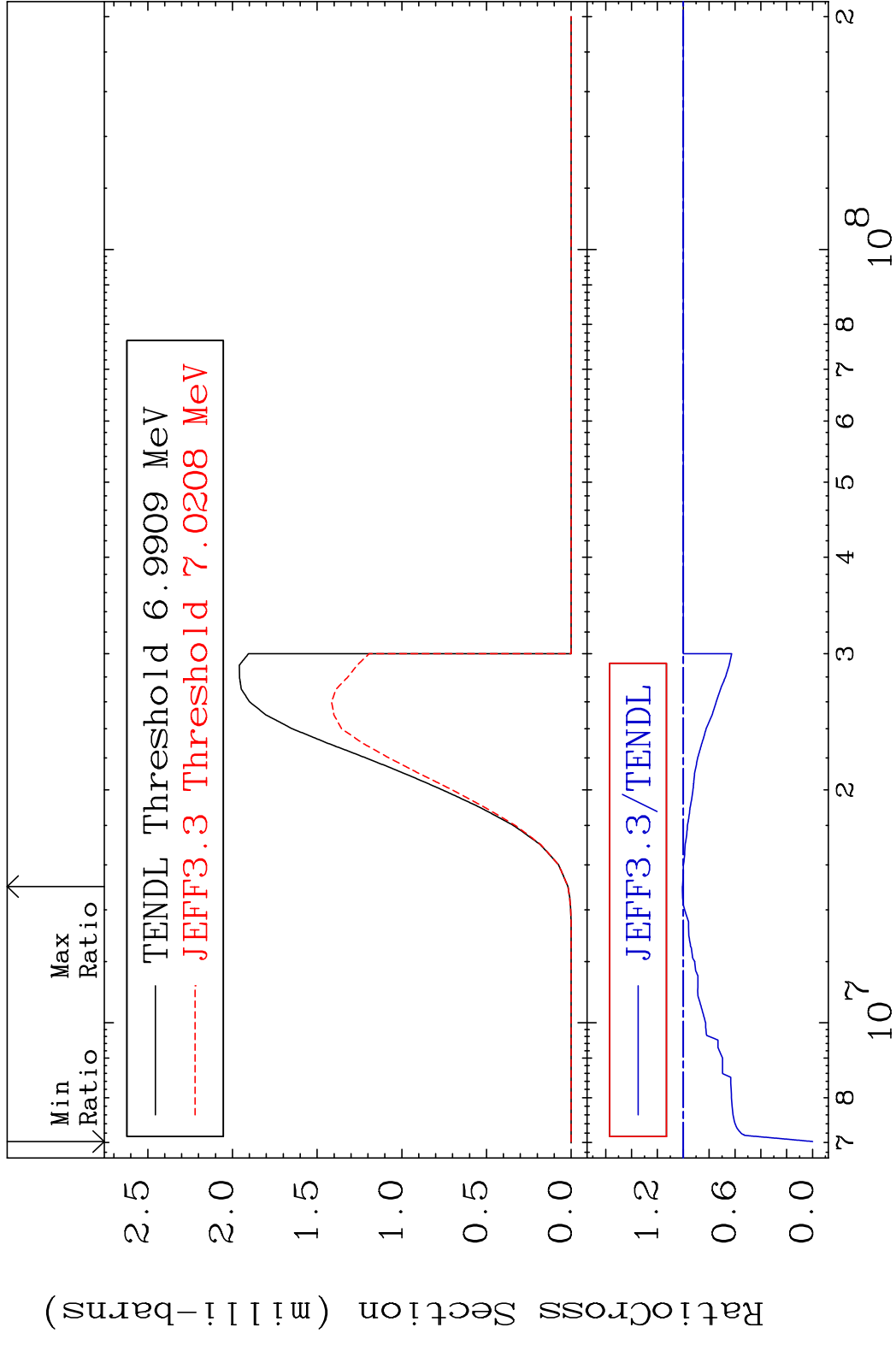








MAT 4628 (n, t): 45-Rh-101g 46-Pd-103  
 Radionuclide Production Cross Section 180.01 dth 0.690 %





MAT 4628 (n, t): 45-Rh-101m1 46-Pd-103  
 Radionuclide Production Cross Section Ratio 8.675 %

