

Program Complot
(Version 2021-1)

by

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U.S.A.

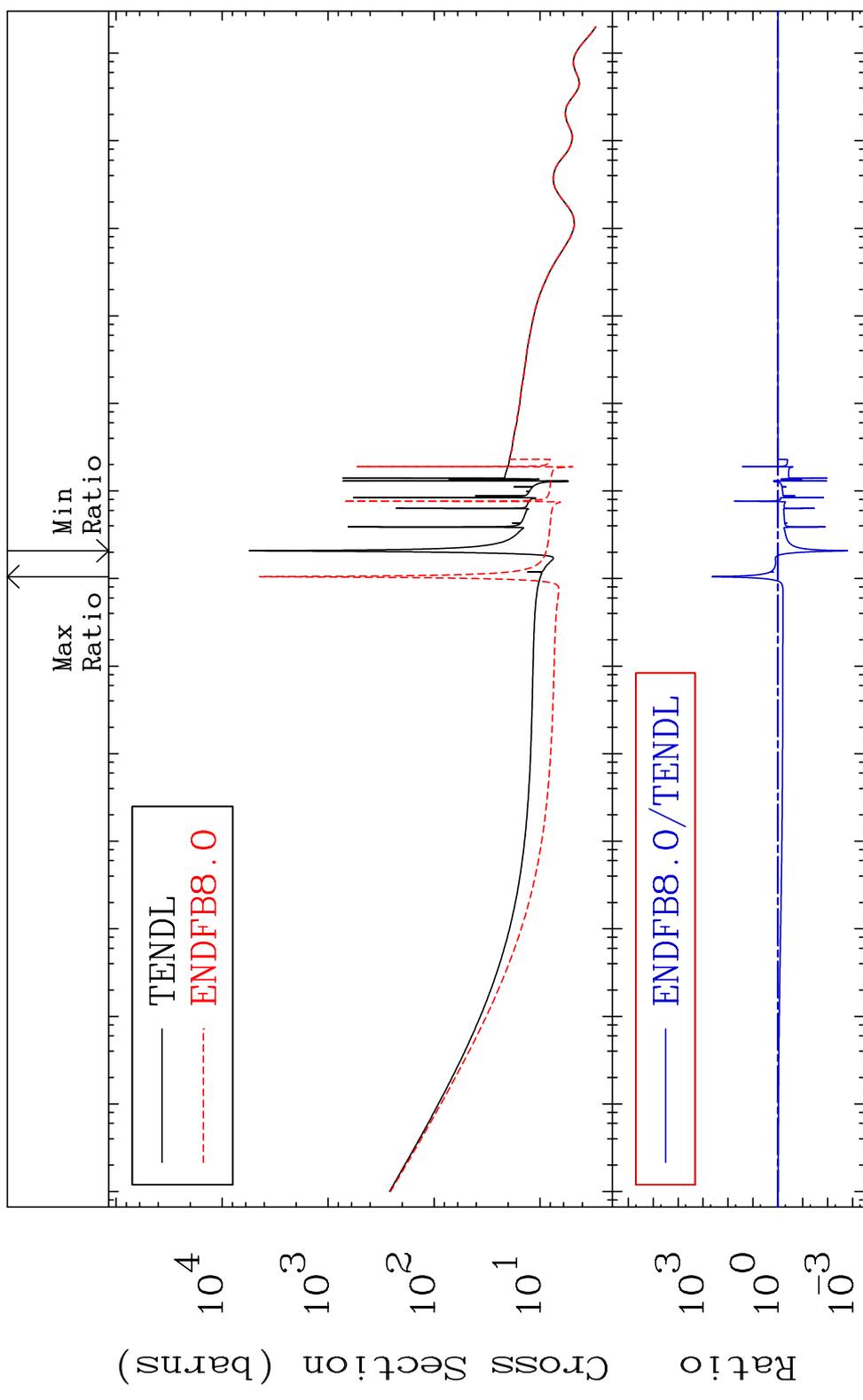
Tele: 925-443-1911

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

Press Mouse Button to Start

MAT 8228

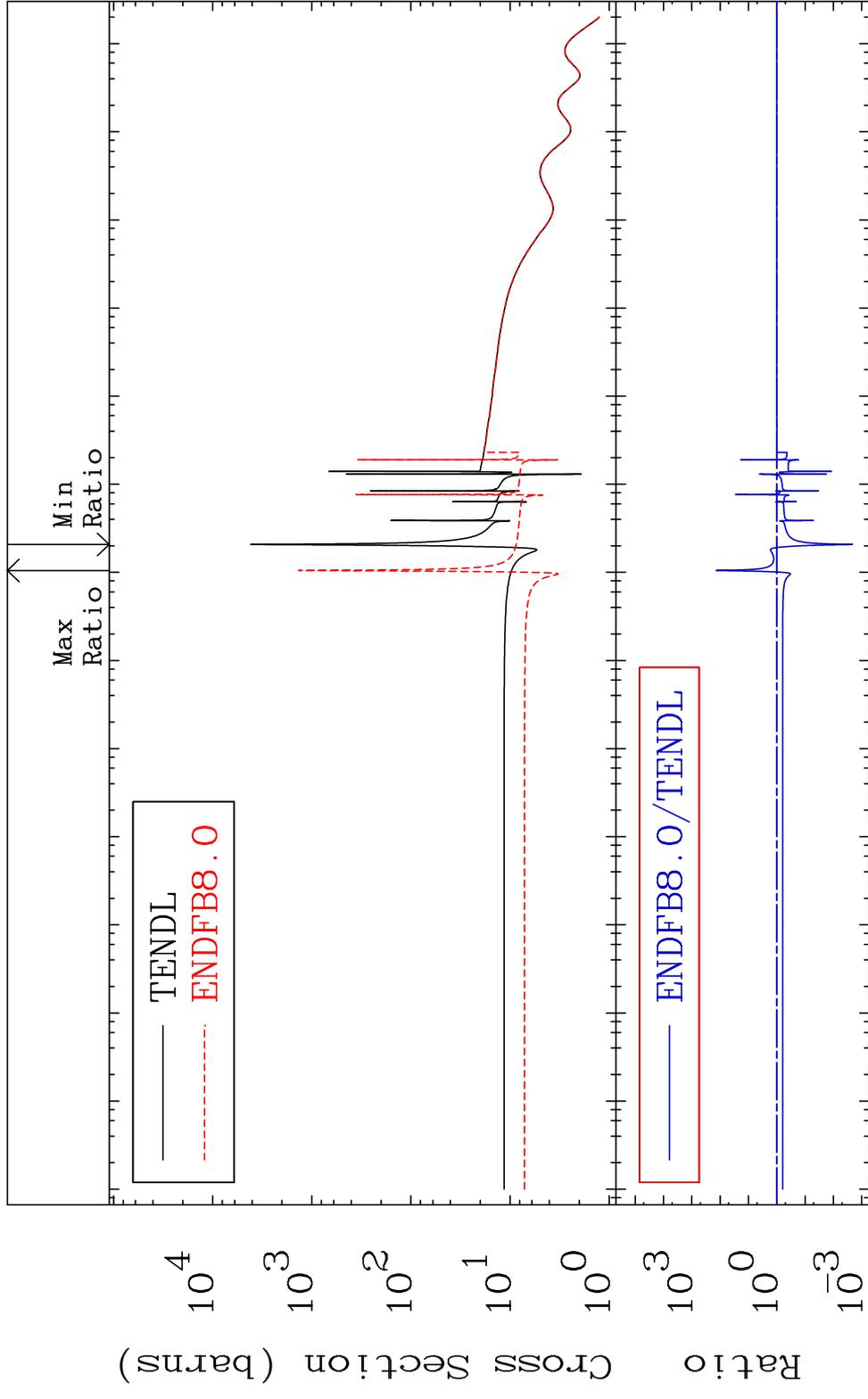
Total Cross Section -99.84 To 9999. %
82-Pb-205



1 Incident Energy (eV) 82-Pb-205

MAT 8228

Elastic Cross Section -99.79 To 9999. %
82-Pb-205



2

Incident Energy (eV) 82-Pb-205

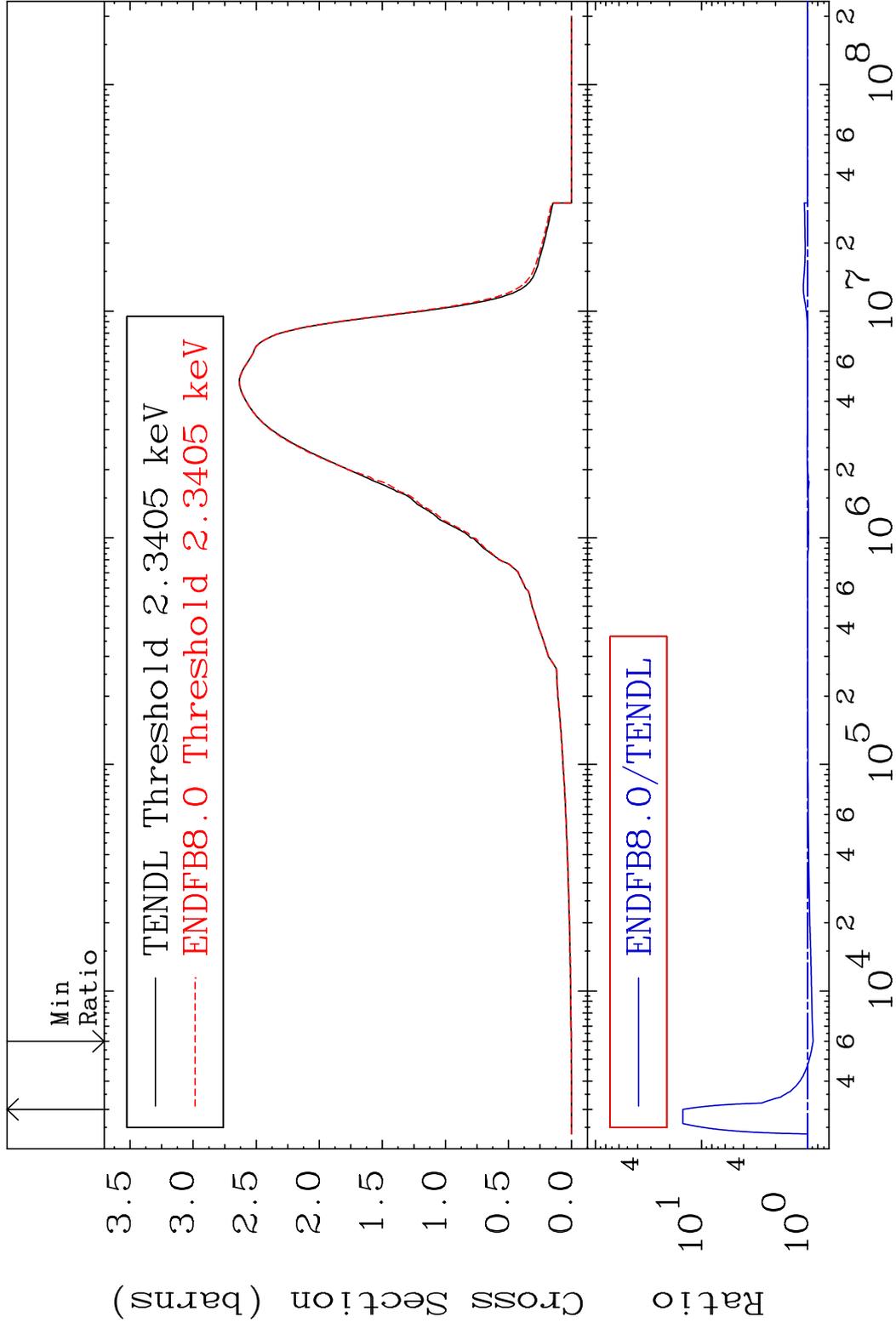
MAT 8228

Inelastic

82-Pb-205

Cross Section

-11.55 To 1401. %

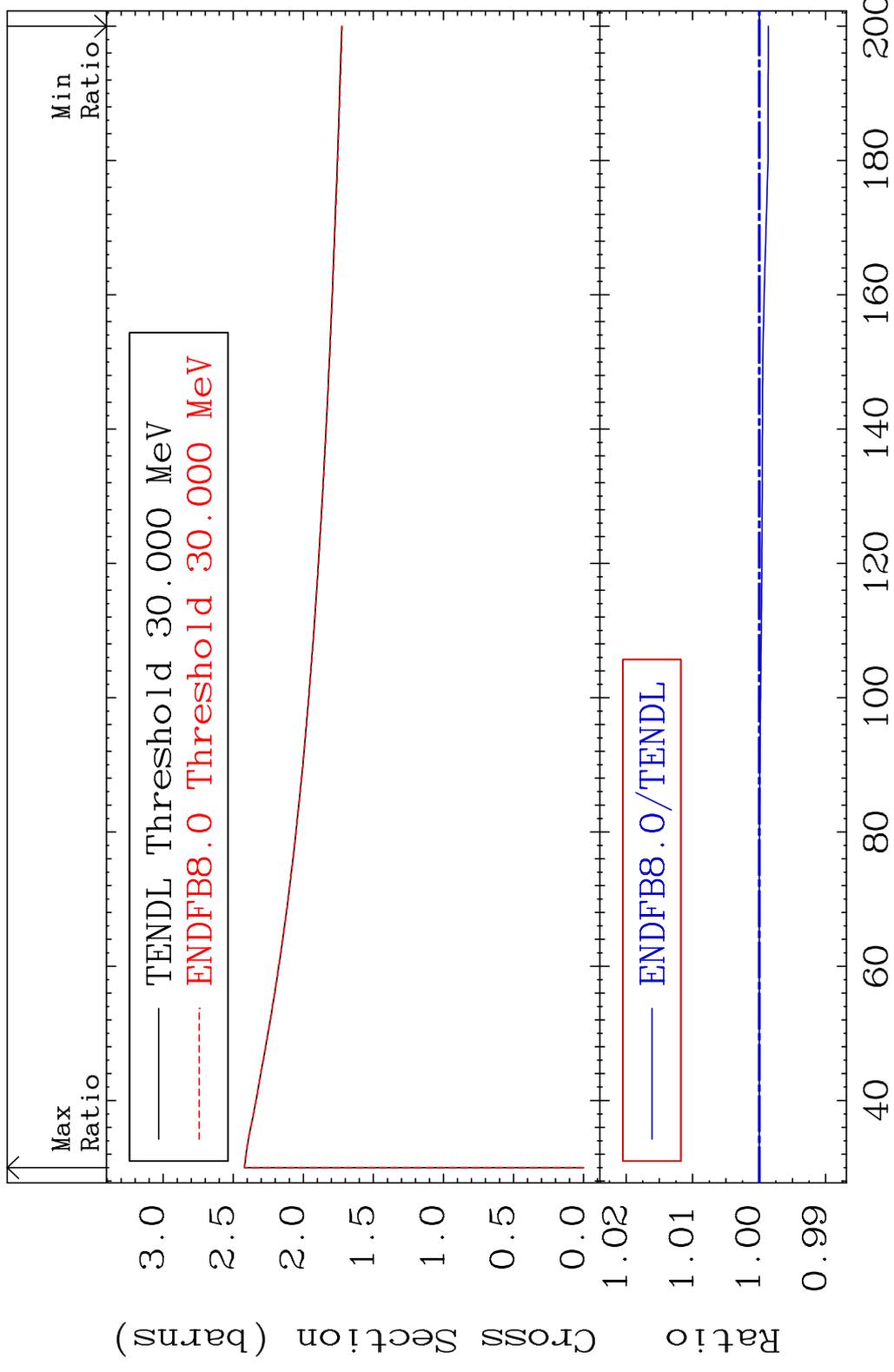


MAT 8228

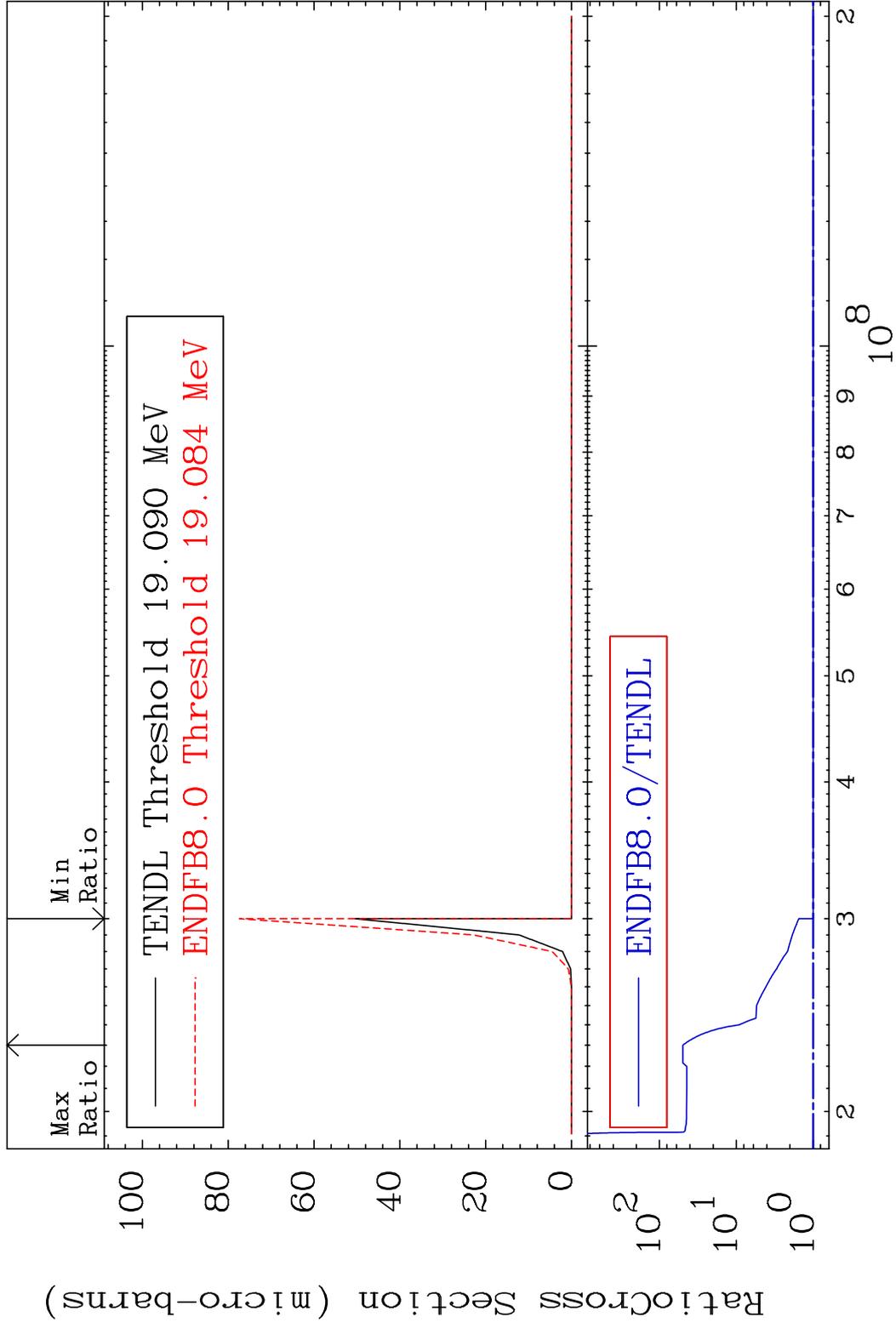
(n, remainder)

82-Pb-205

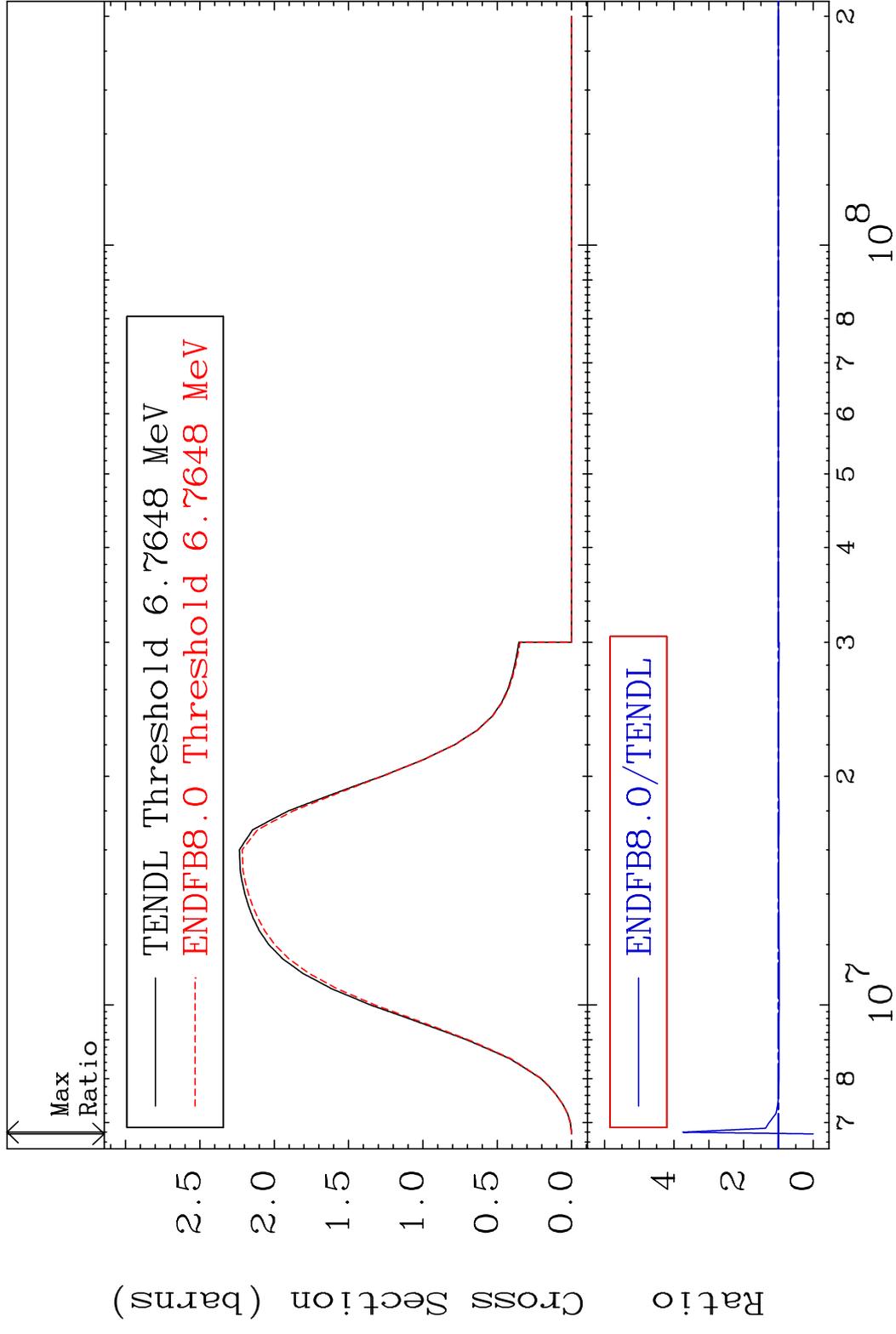
Cross Section -0.136 To 0.000 %



MAT 8228 (n,2n) d 82-Pb-205
 Cross Section 0.000 To 4859. %

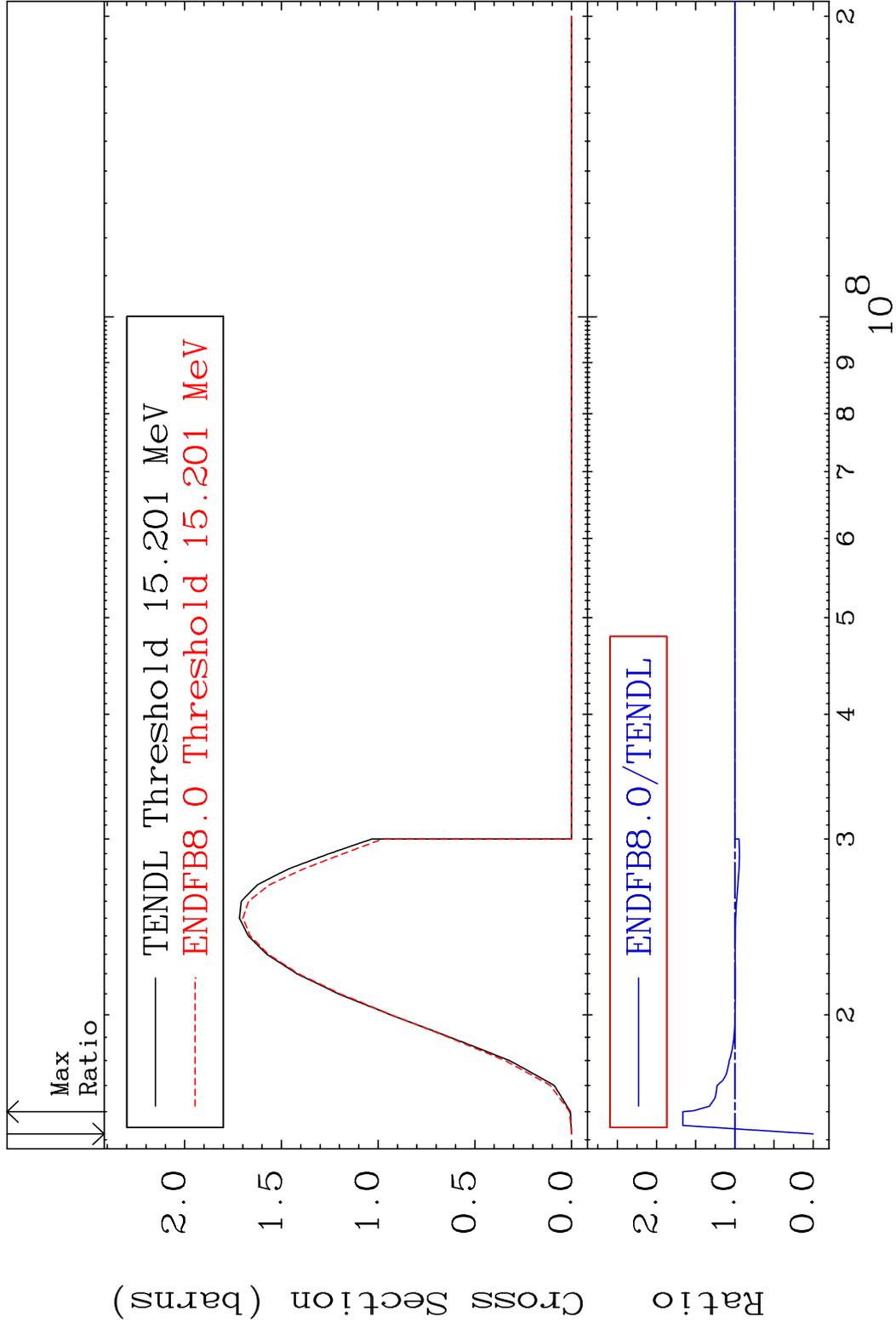


MAT 8228 (n,2n) 82-Pb-205
 Cross Section -100.0 To 274.7 %



6 Incident Energy (eV) 82-Pb-205

MAT 8228 (n,3n) 82-Pb-205
 Cross Section -100.0 To 66.42 %

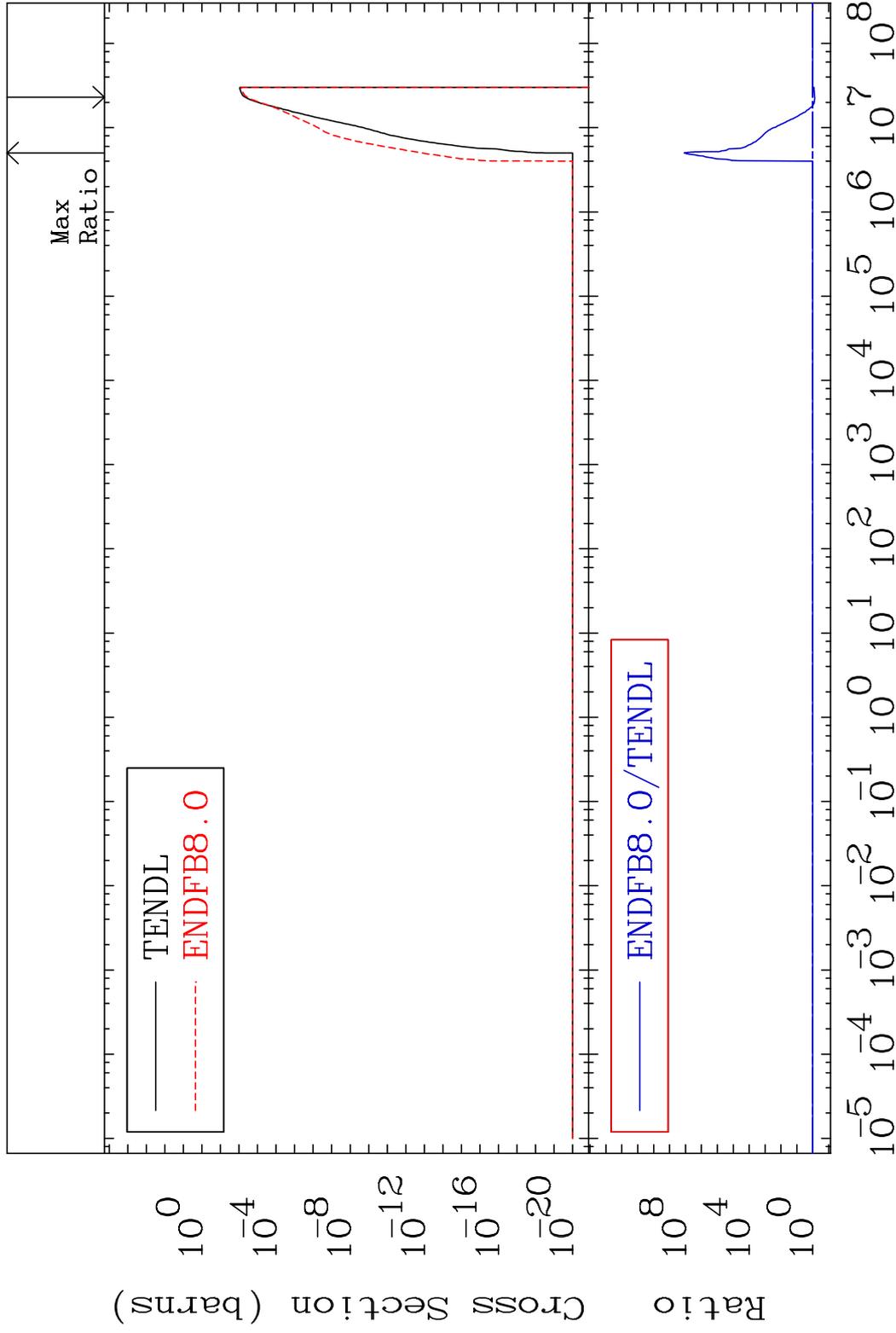


MAT 8228

(n, n') α

82-Pb-205

Cross Section -24.11 To 9999. %

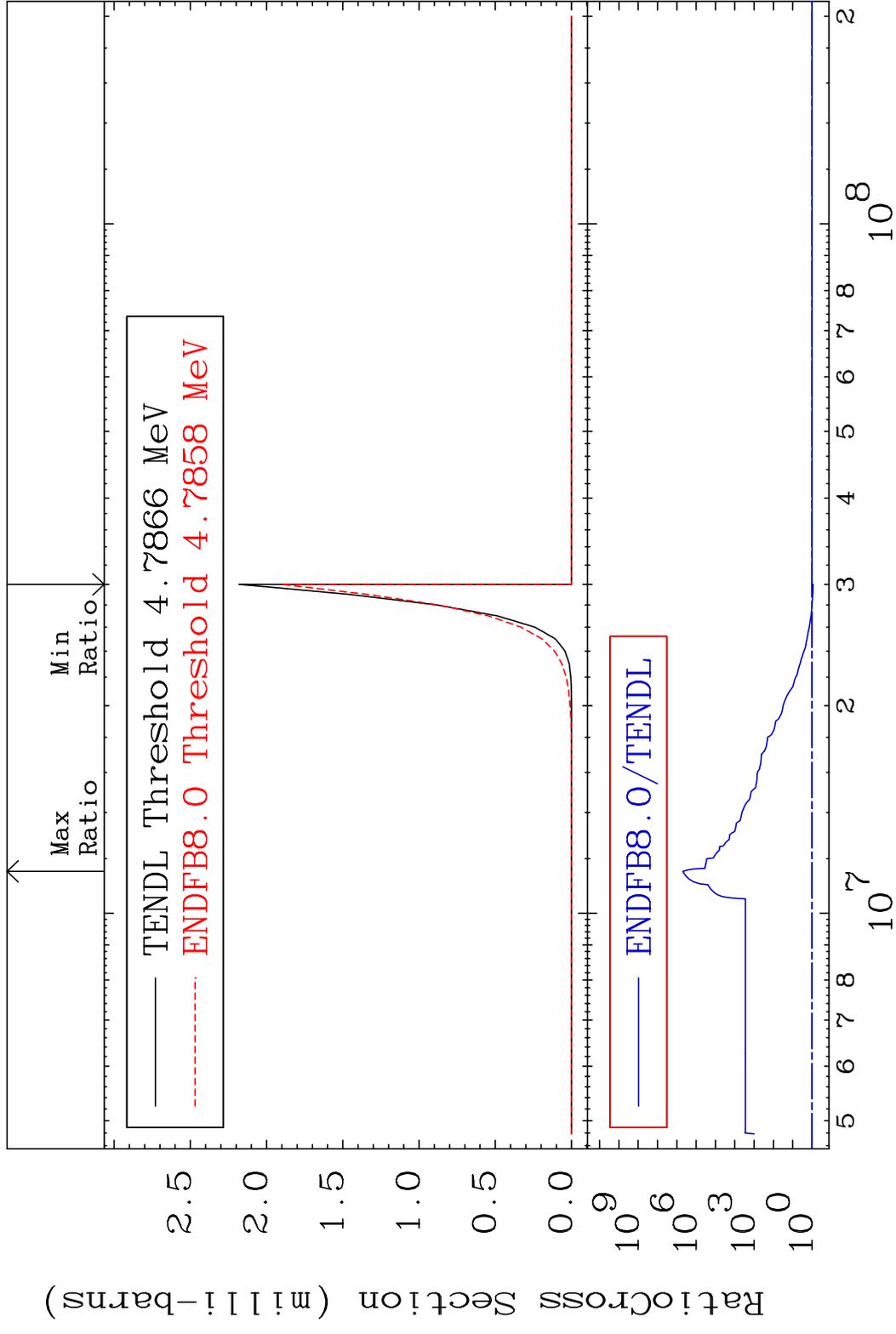


8

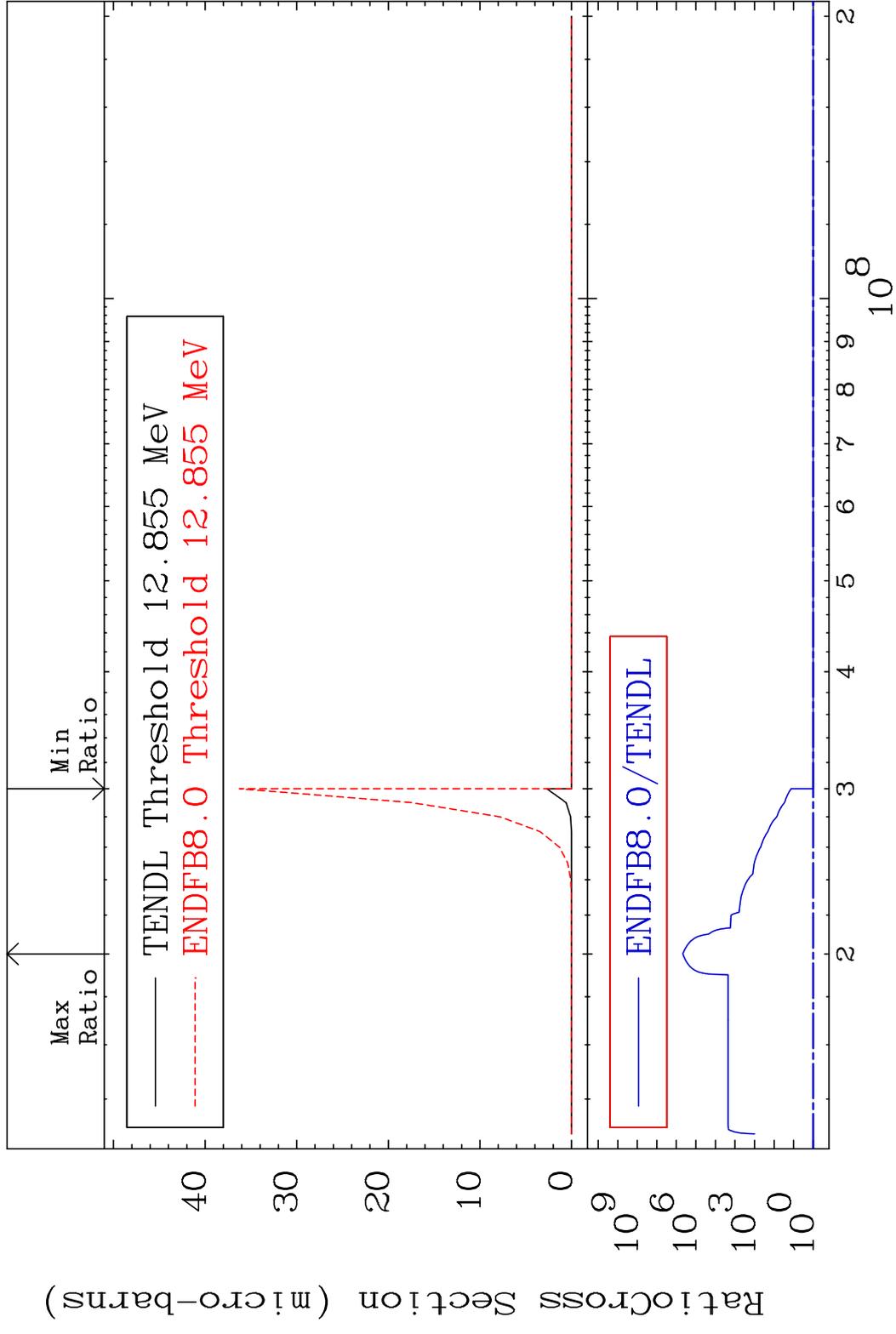
Incident Energy (eV)

82-Pb-205

MAT 8228 (n,2n) α 82-Pb-205
 Cross Section -12.63 To 9999. %



MAT 8228 (n,3n) α 82-Pb-205
 Cross Section 0.000 To 9999. %



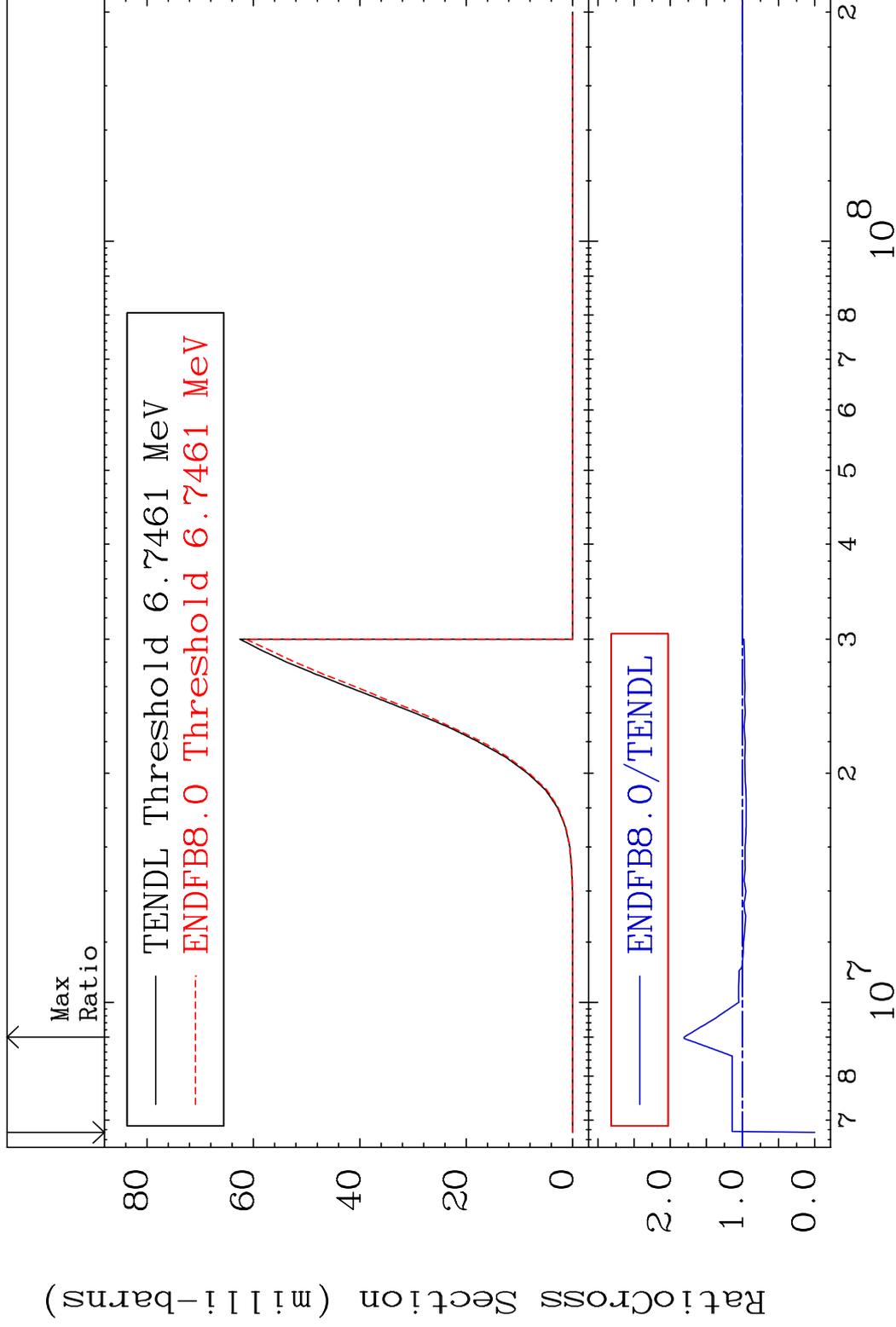
10 Incident Energy (eV) 82-Pb-205

MAT 8228

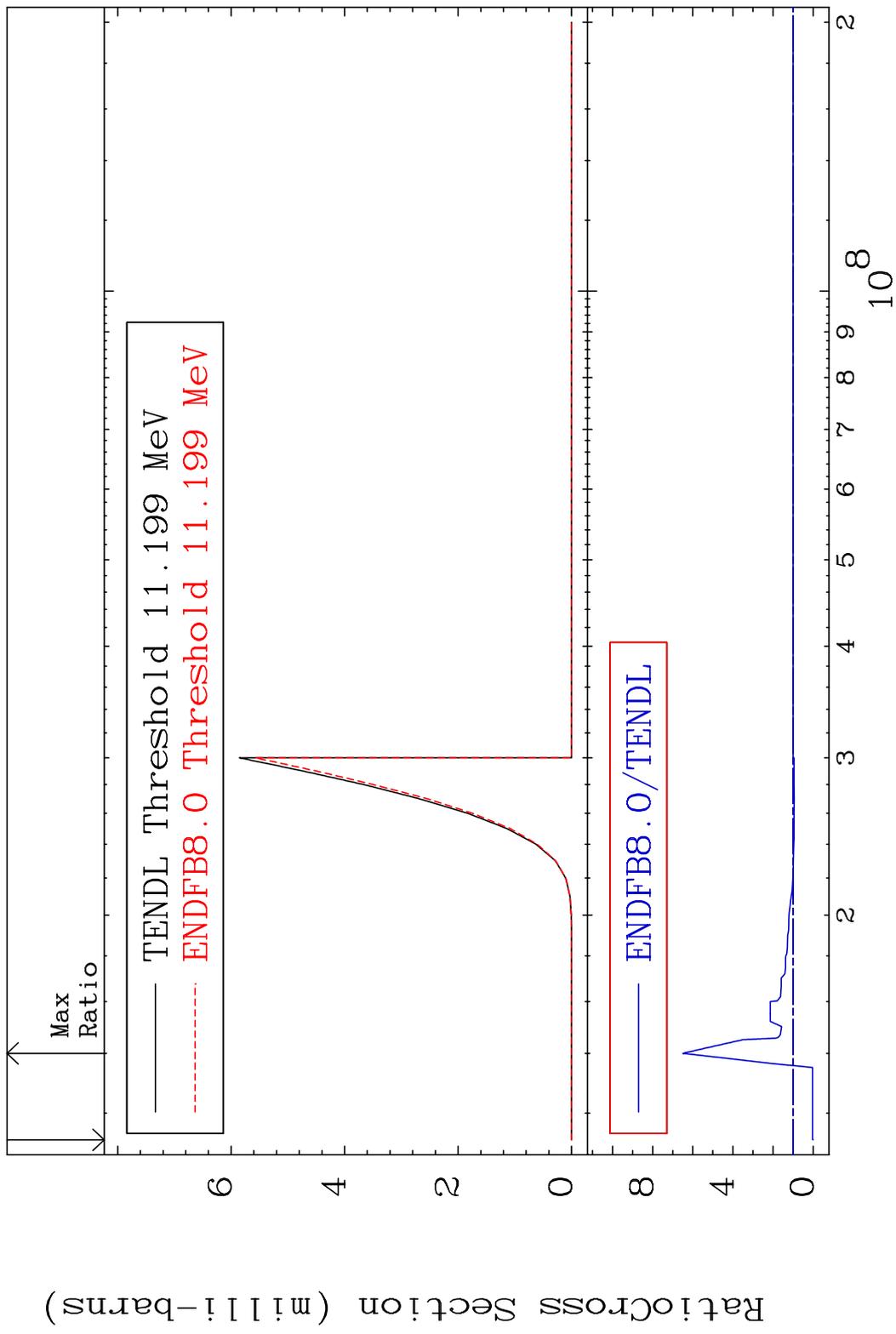
(n, n') p

82-Pb-205

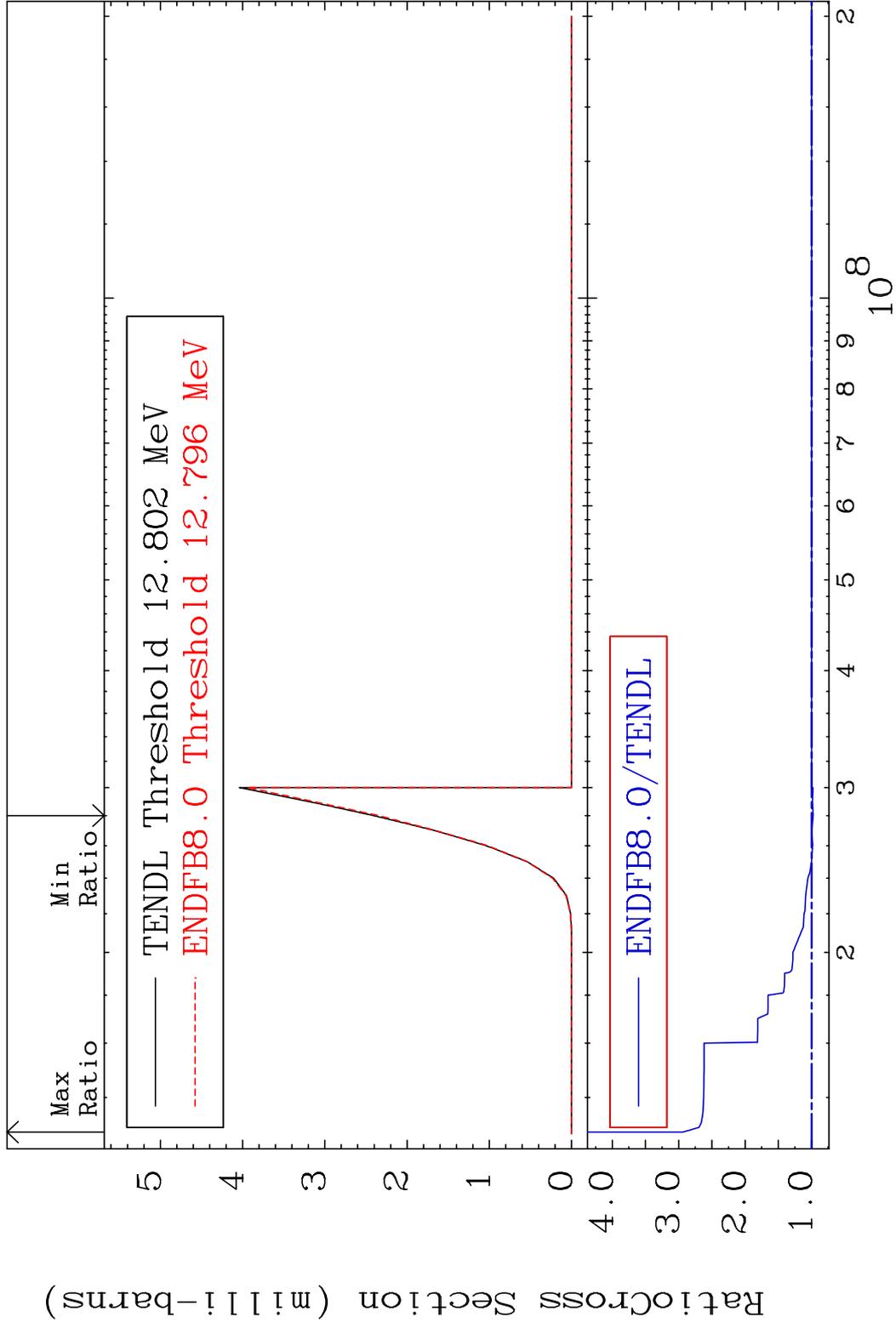
Cross Section -100.0 To 80.74 %



MAT 8228 (n, n') d 82-Pb-205
 Cross Section -100.0 To 549.7 %



MAT 8228 (n, n') t 82-Pb-205
 Cross Section -2.451 To 193.8 %

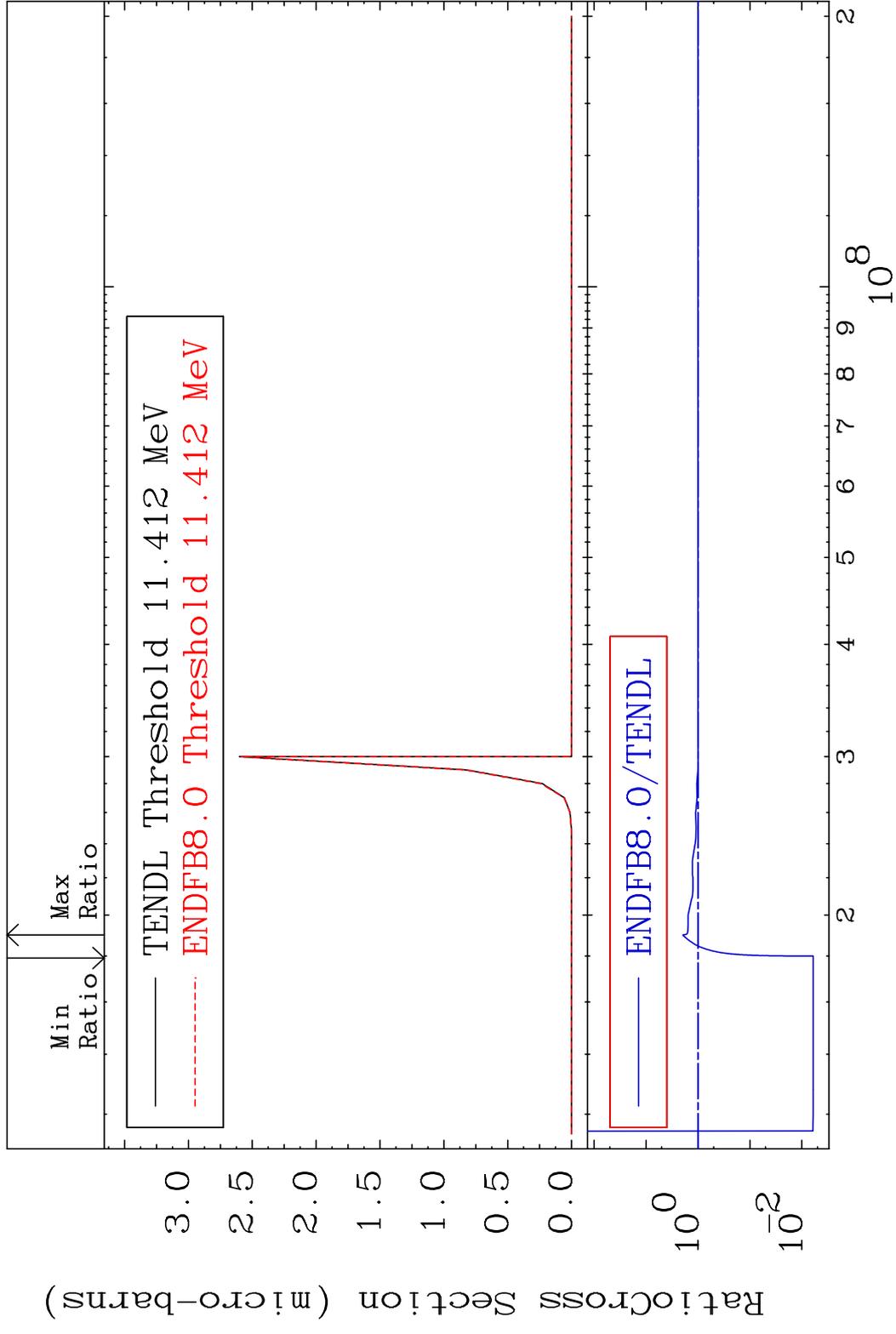


MAT 8228

(n,n') He-3

82-Pb-205

Cross Section -99.39 To 95.79 %

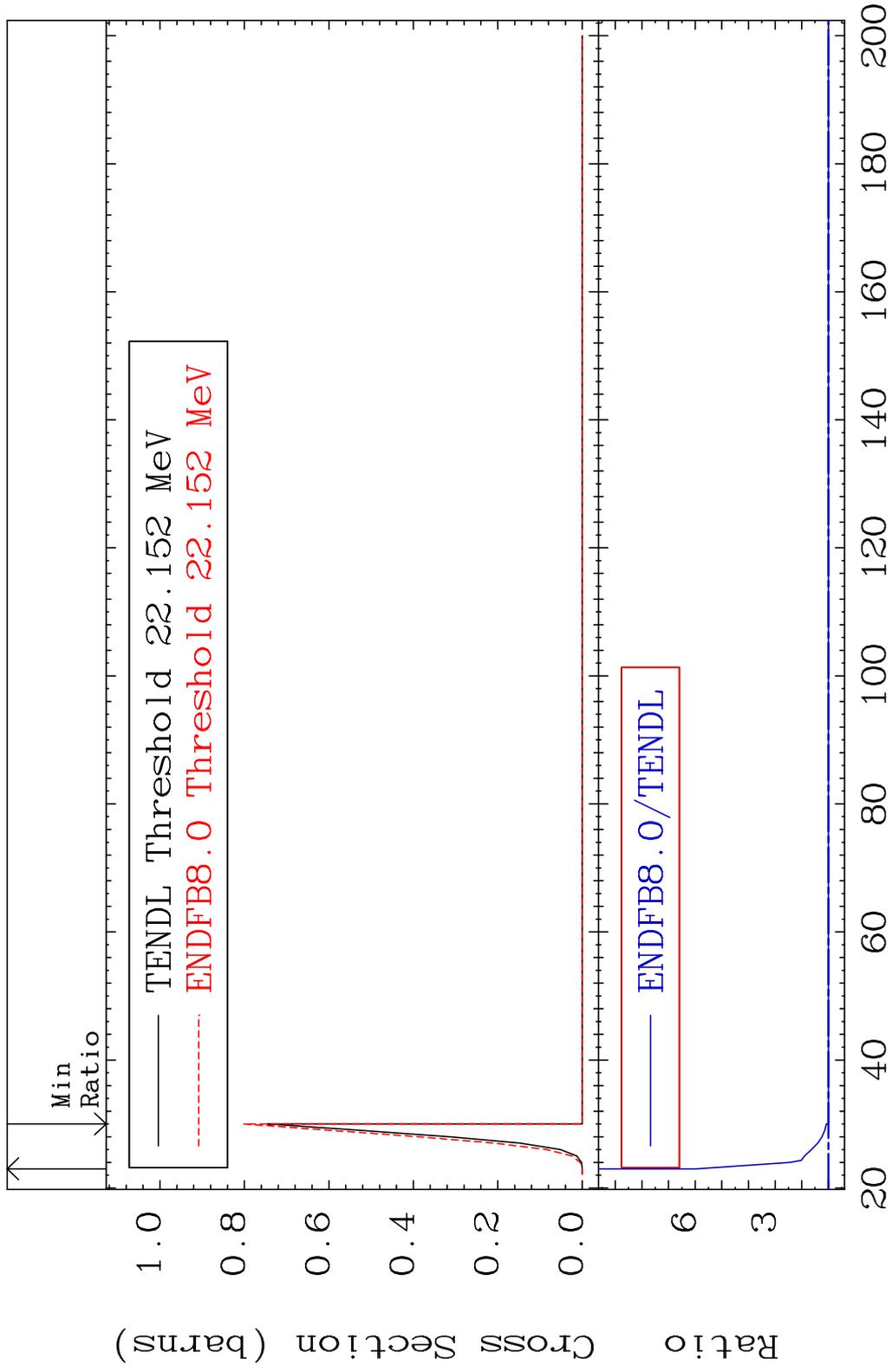


MAT 8228

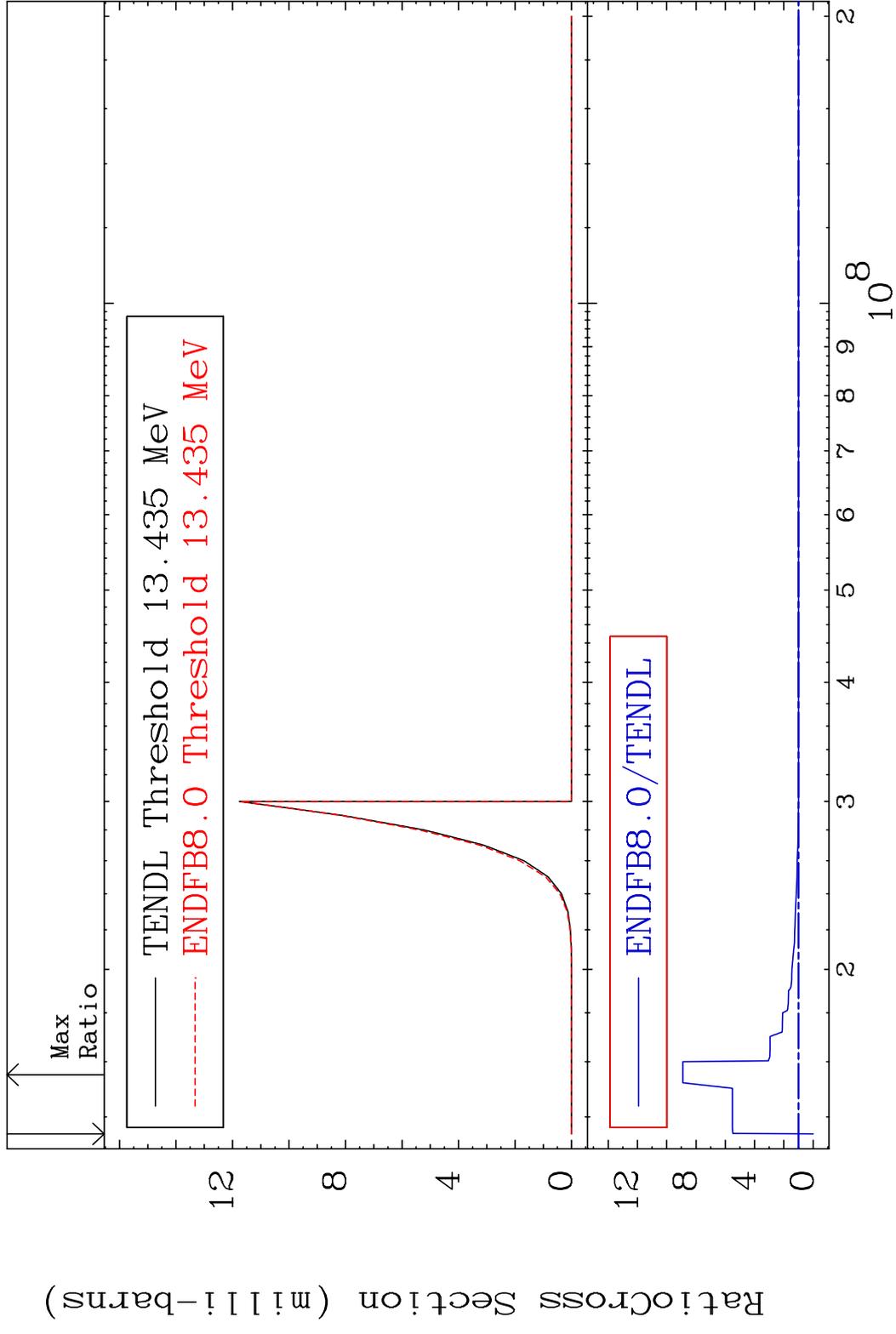
(n, 4n)

82-Pb-205

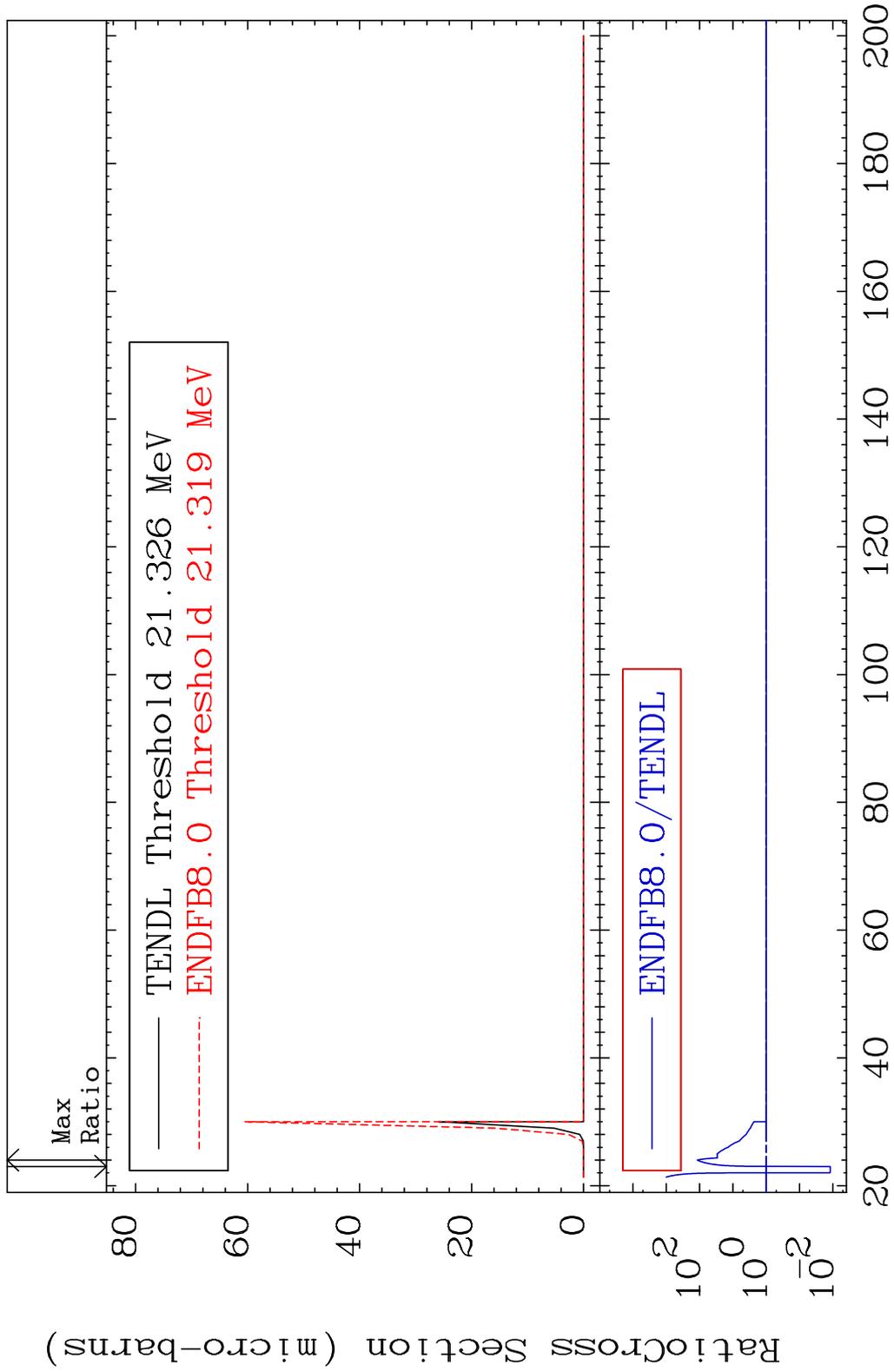
Cross Section 0.000 To 498.3 %



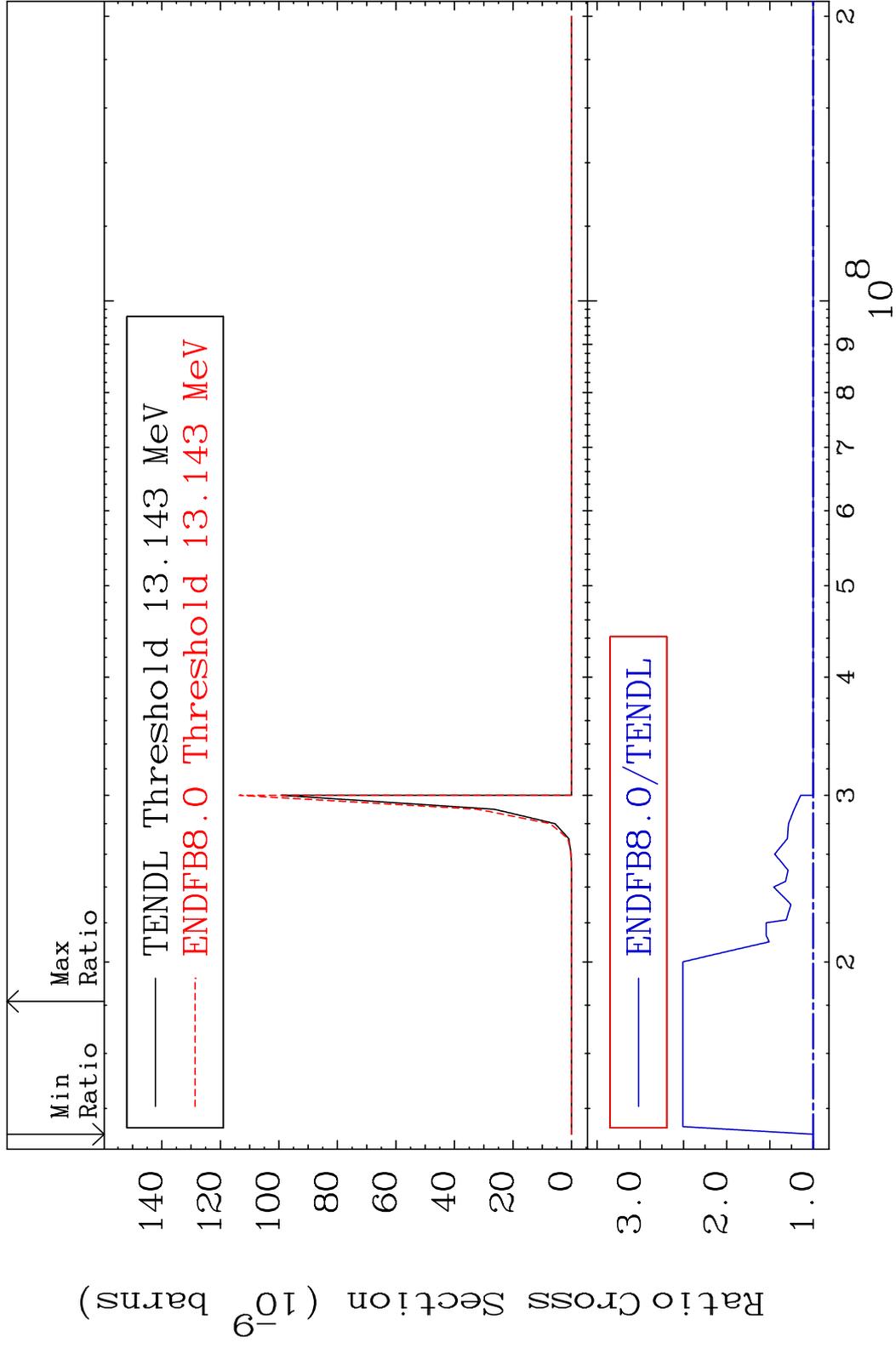
MAT 8228 (n,2n) p 82-Pb-205
 Cross Section -100.0 To 789.9 %



MAT 8228 (n,3n) p 82-Pb-205
 Cross Section -98.80 To 9999. %



MAT 8228 (n,2n) p 82-Pb-205
 Cross Section 0.000 To 150.7 %

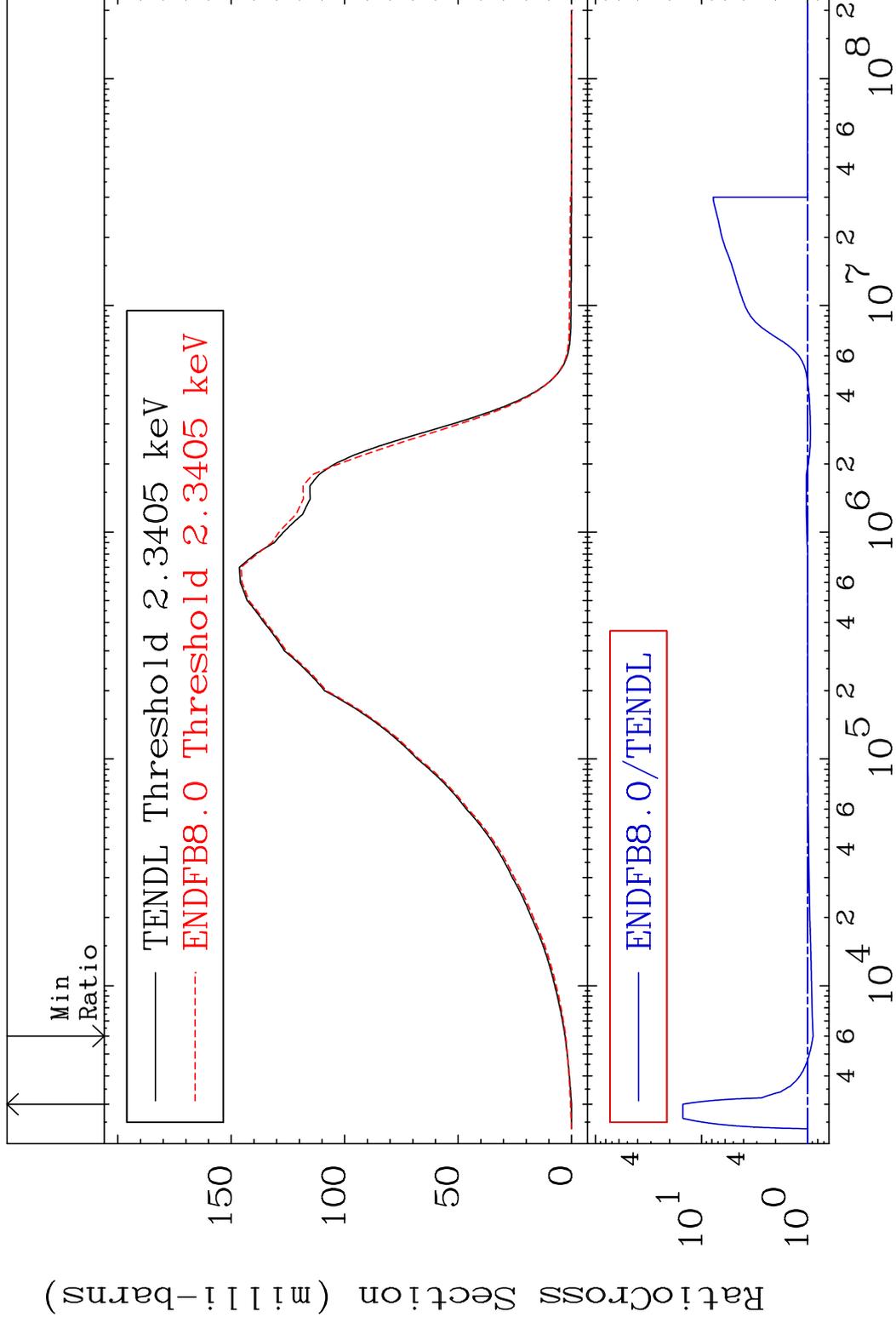


MAT 8228

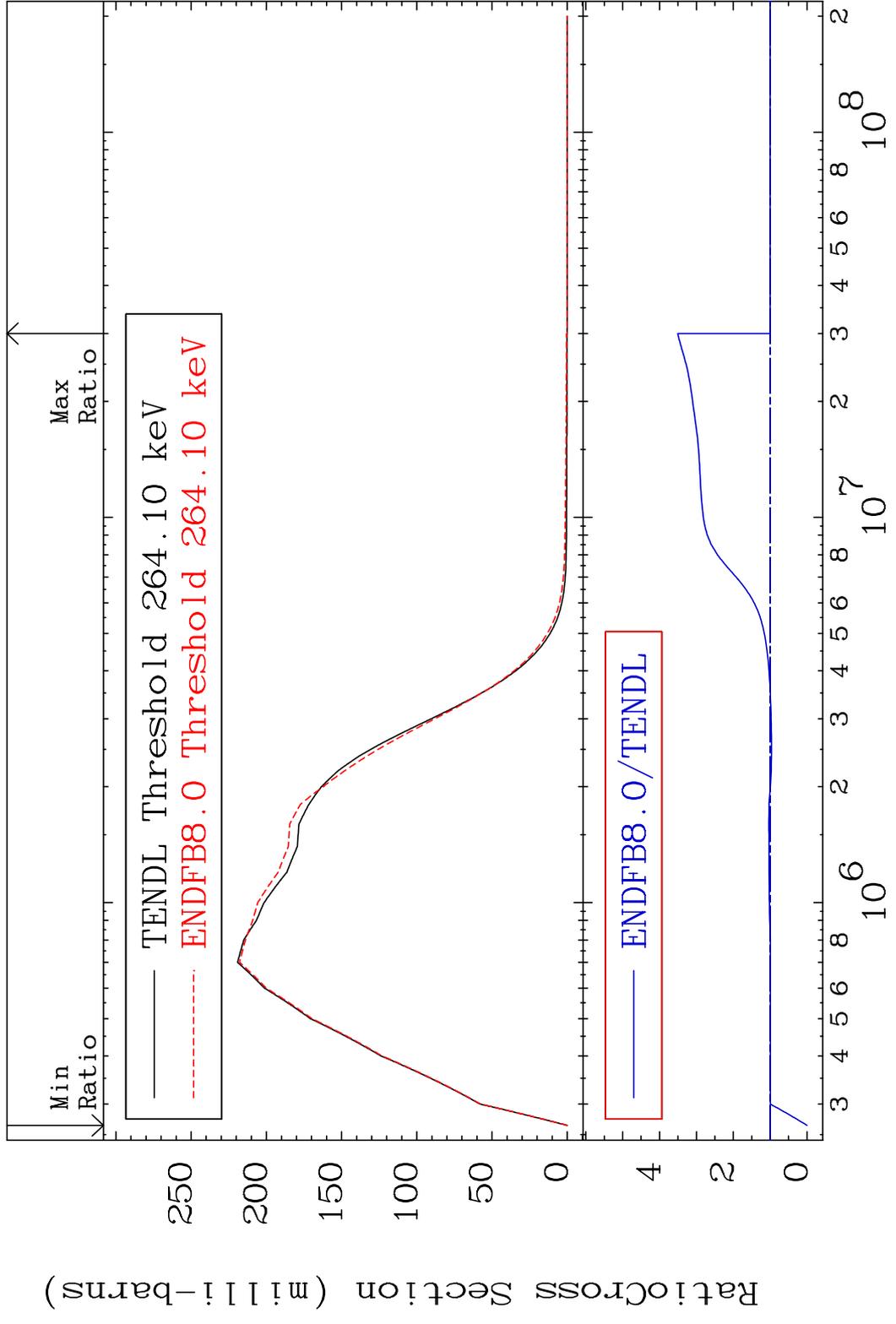
MT= 51 (n, n') Level

82-Pb-205

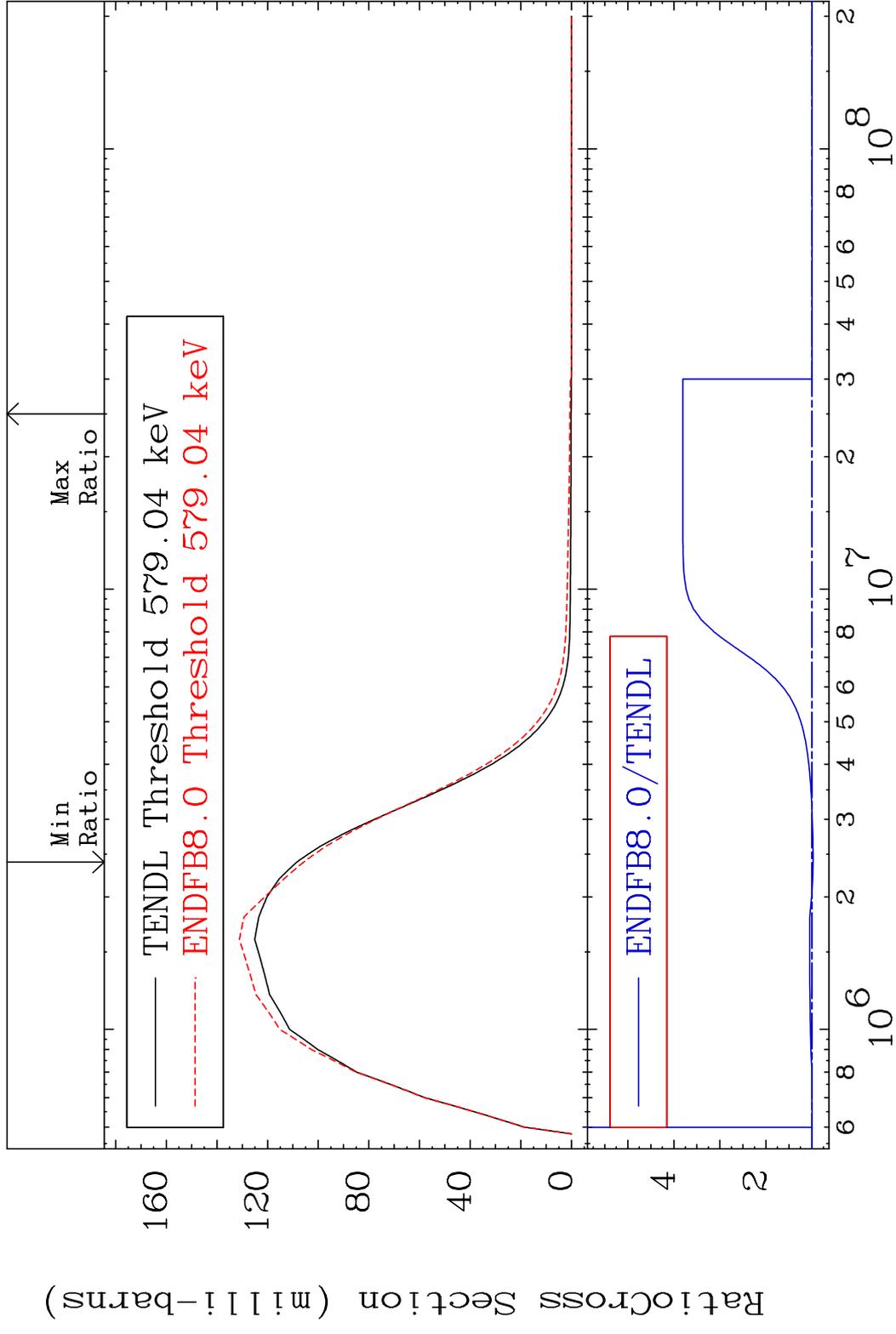
Cross Section -11.55 To 1401. %



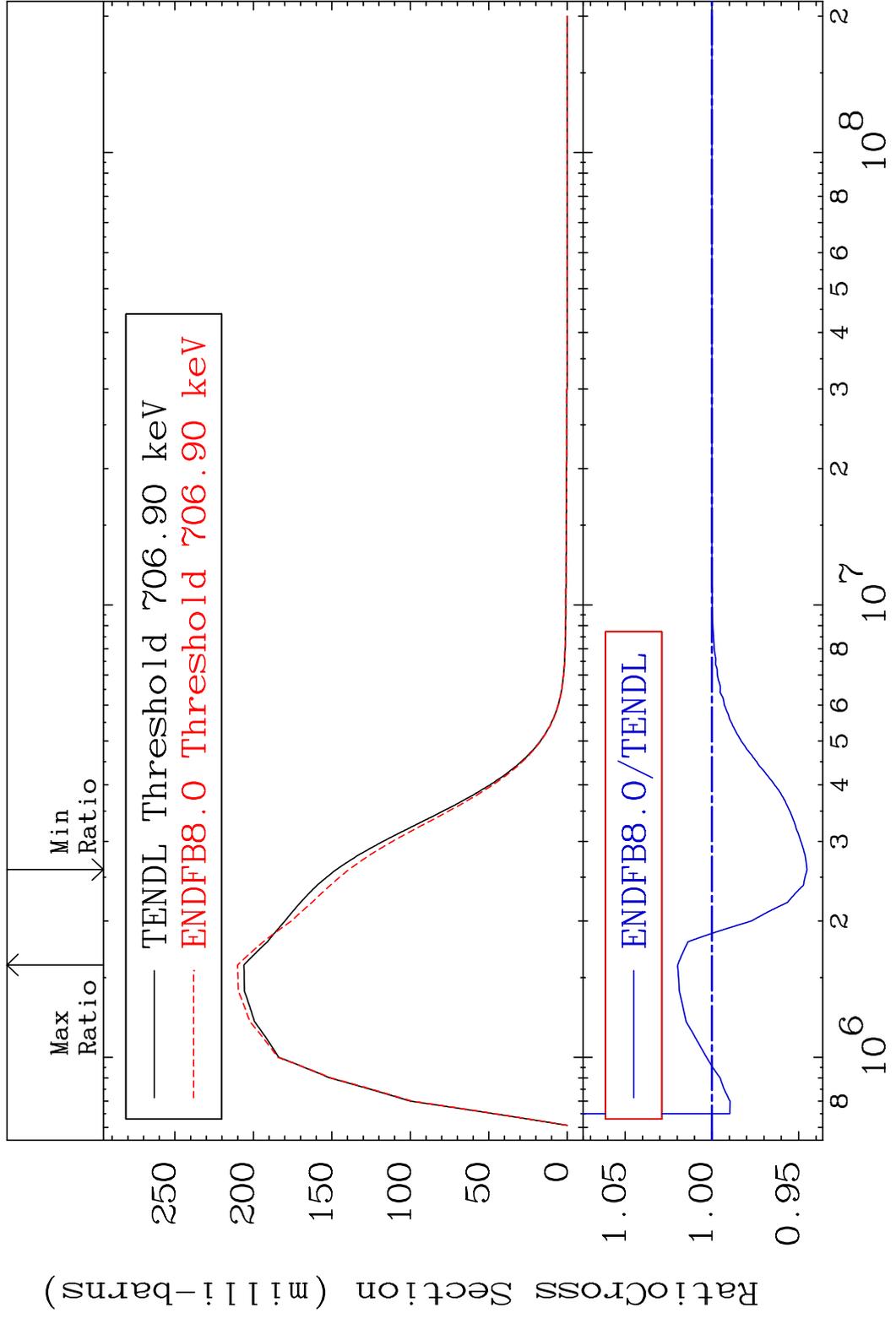
MAT 8228 MT= 52 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 250.8 %



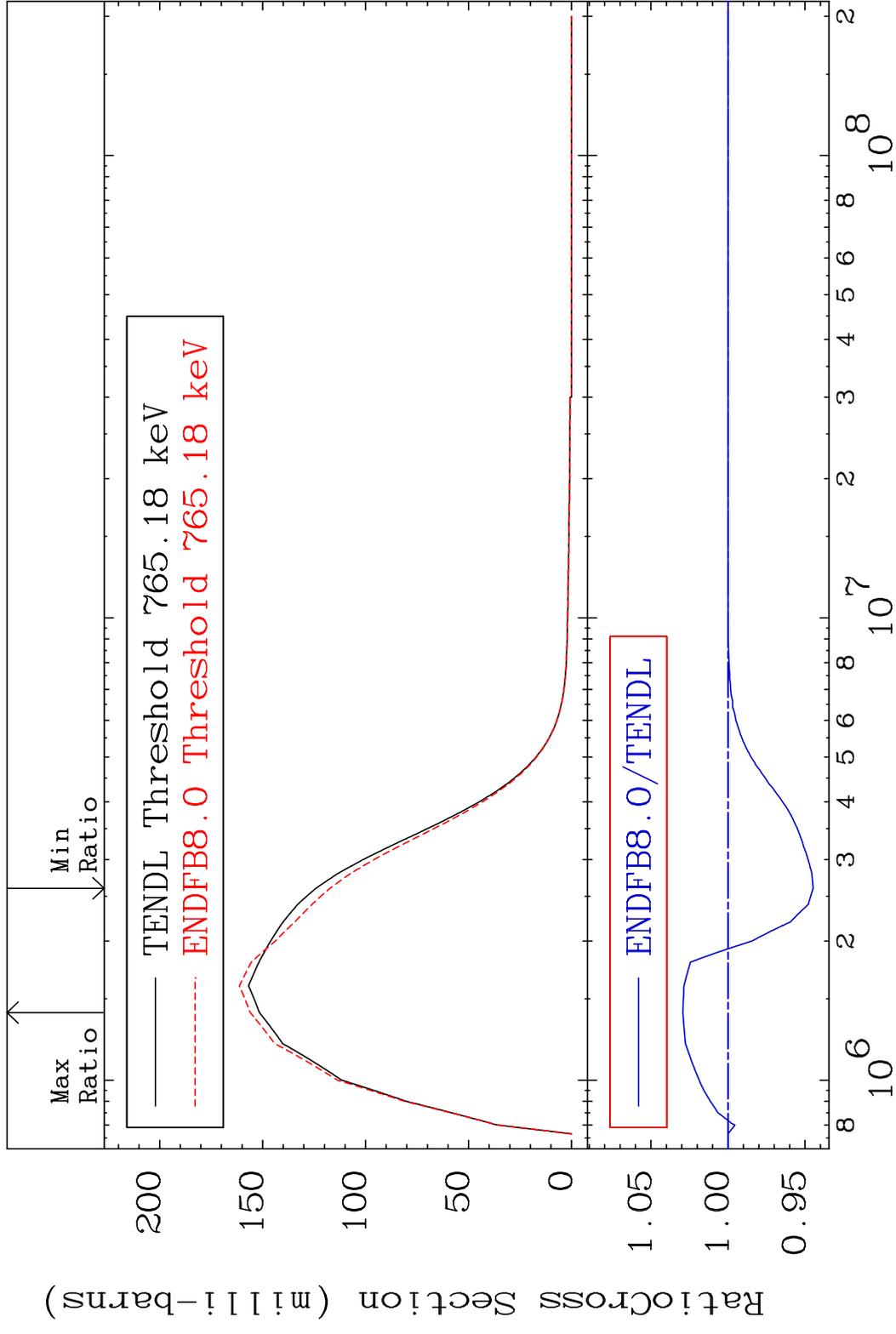
MAT 8228 MT= 53 (n, n') Level 82-Pb-205
 Cross Section -2.485 To 280.5 %



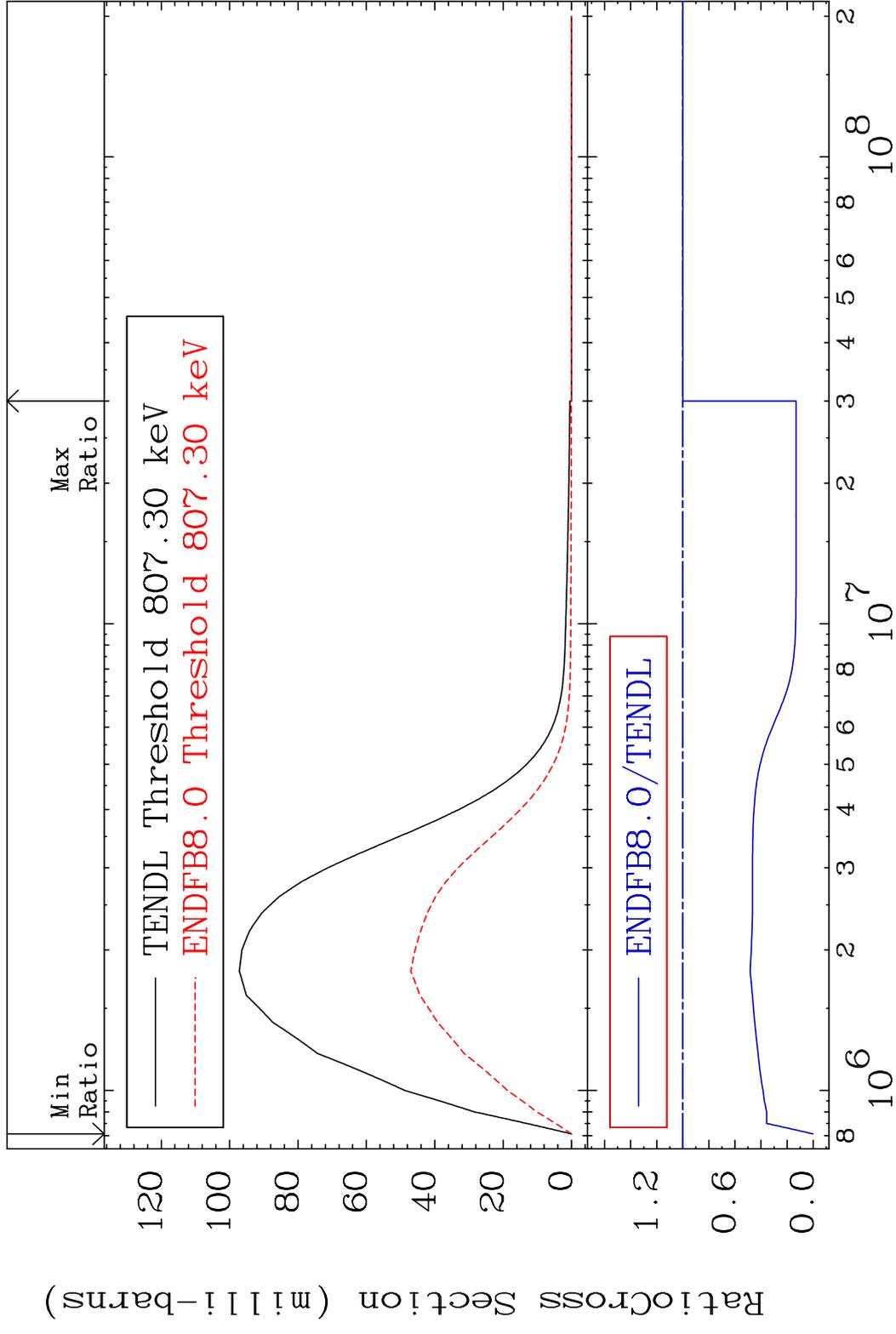
MAT 8228 MT= 54 (n, n') Level 82-Pb-205
 Cross Section -5.481 To 1.972 %



MAT 8228 MT= 55 (n,n') Level 82-Pb-205
 Cross Section -5.524 To 2.930 %



MAT 8228 MT= 56 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 0.000 %

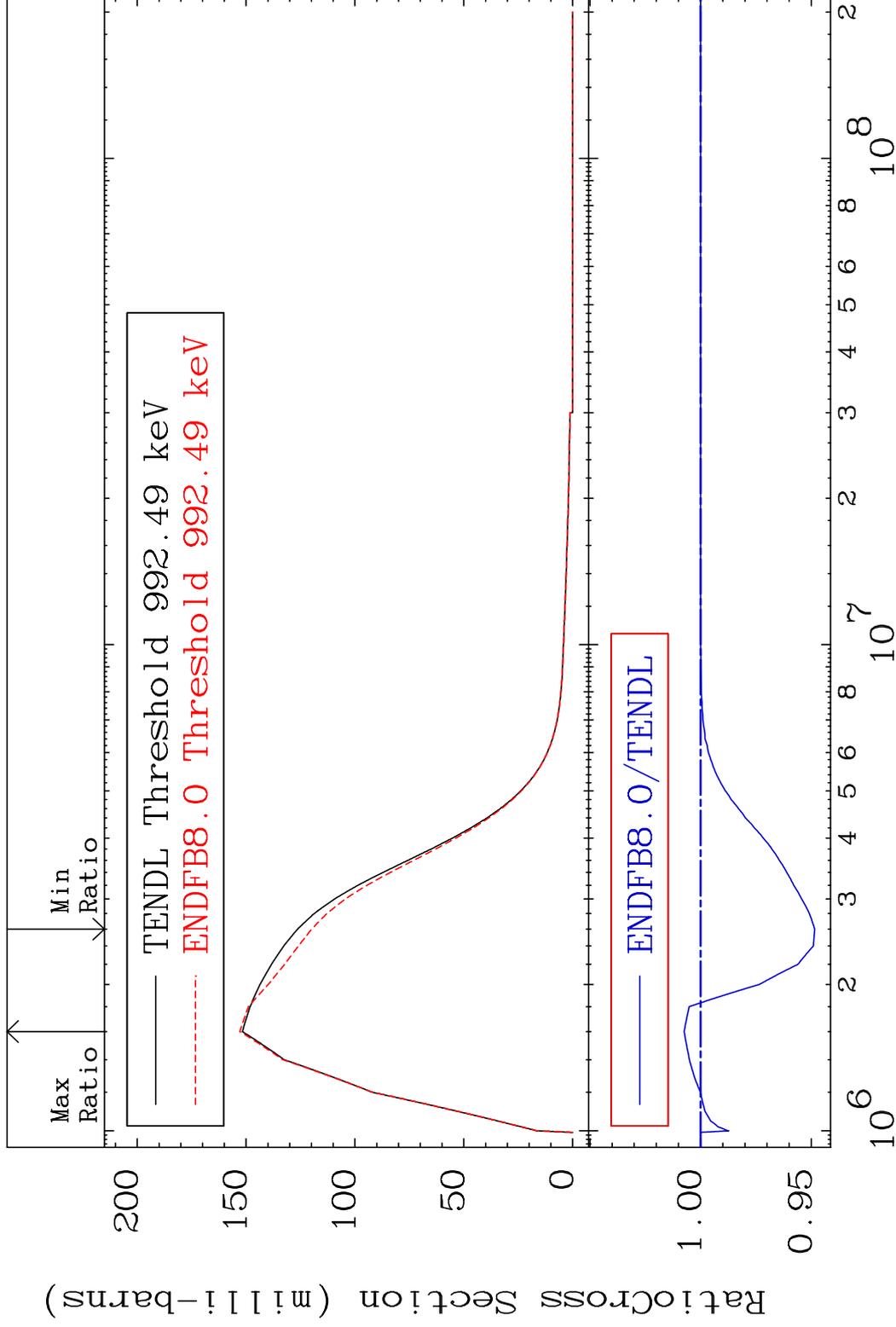


MAT 8228

MT= 57 (n,n') Level

82-Pb-205

Cross Section -5.153 To 0.744 %

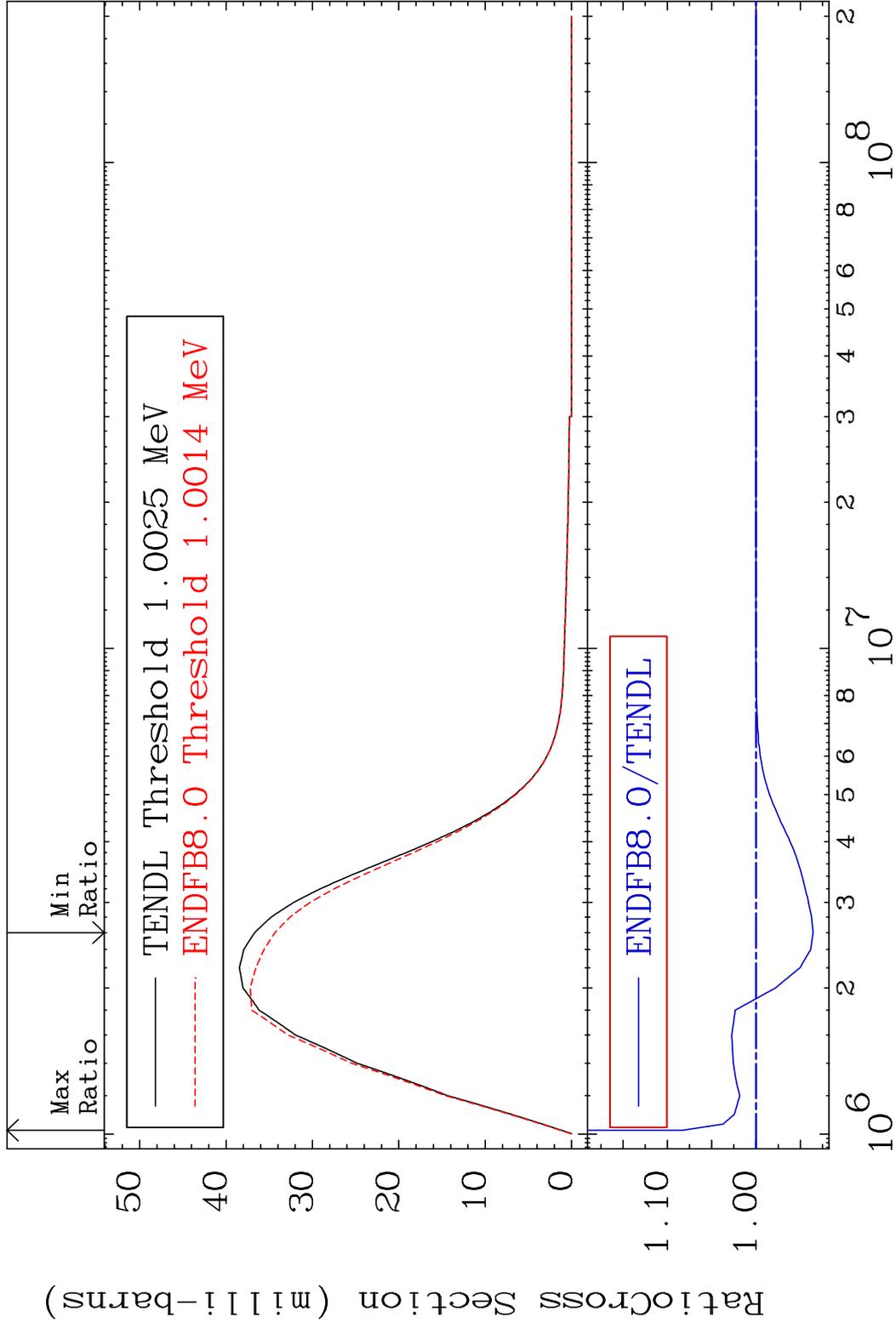


25

Incident Energy (eV)

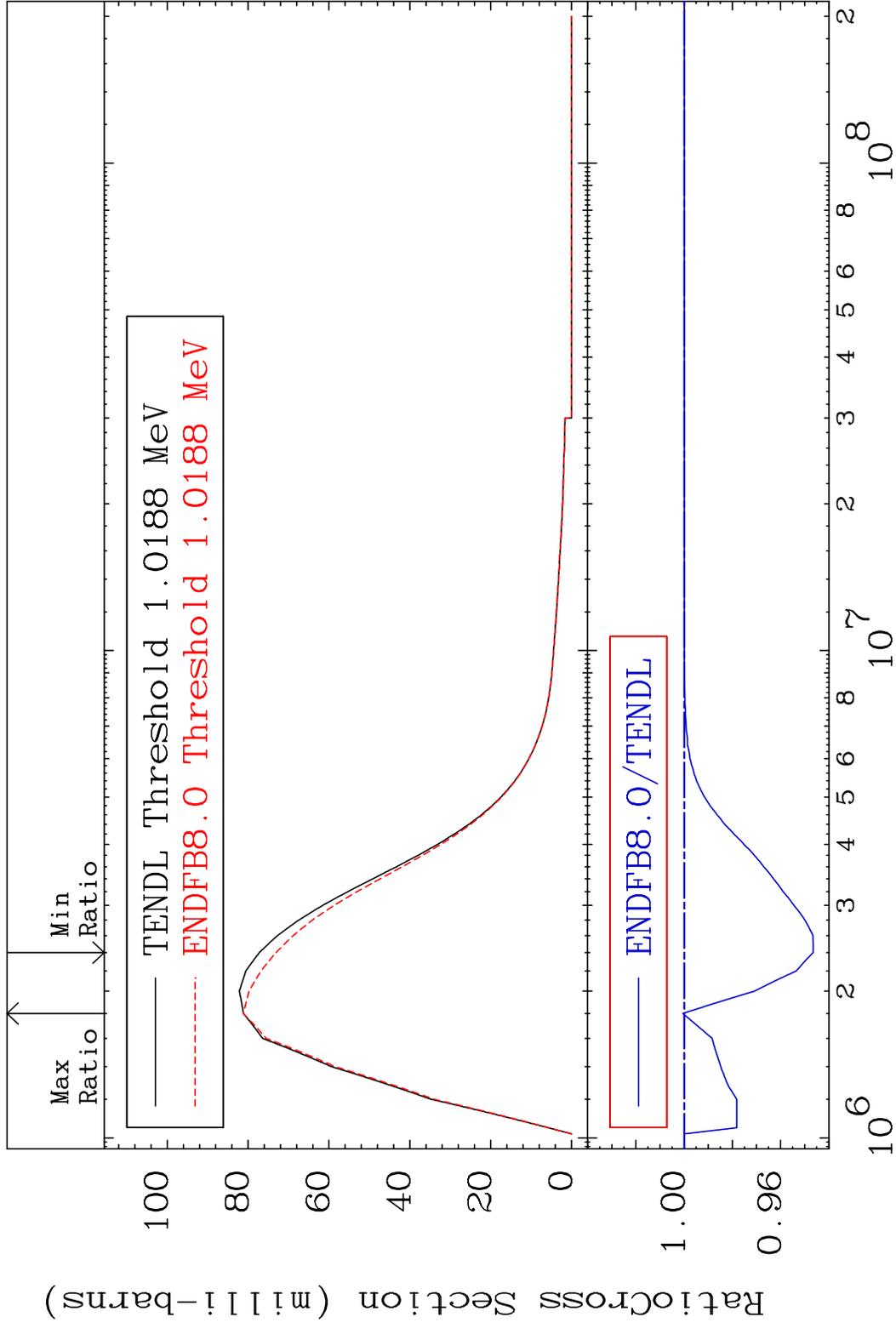
82-Pb-205

MAT 8228 MT= 58 (n,n') Level 82-Pb-205
 Cross Section -6.443 To 8.254 %



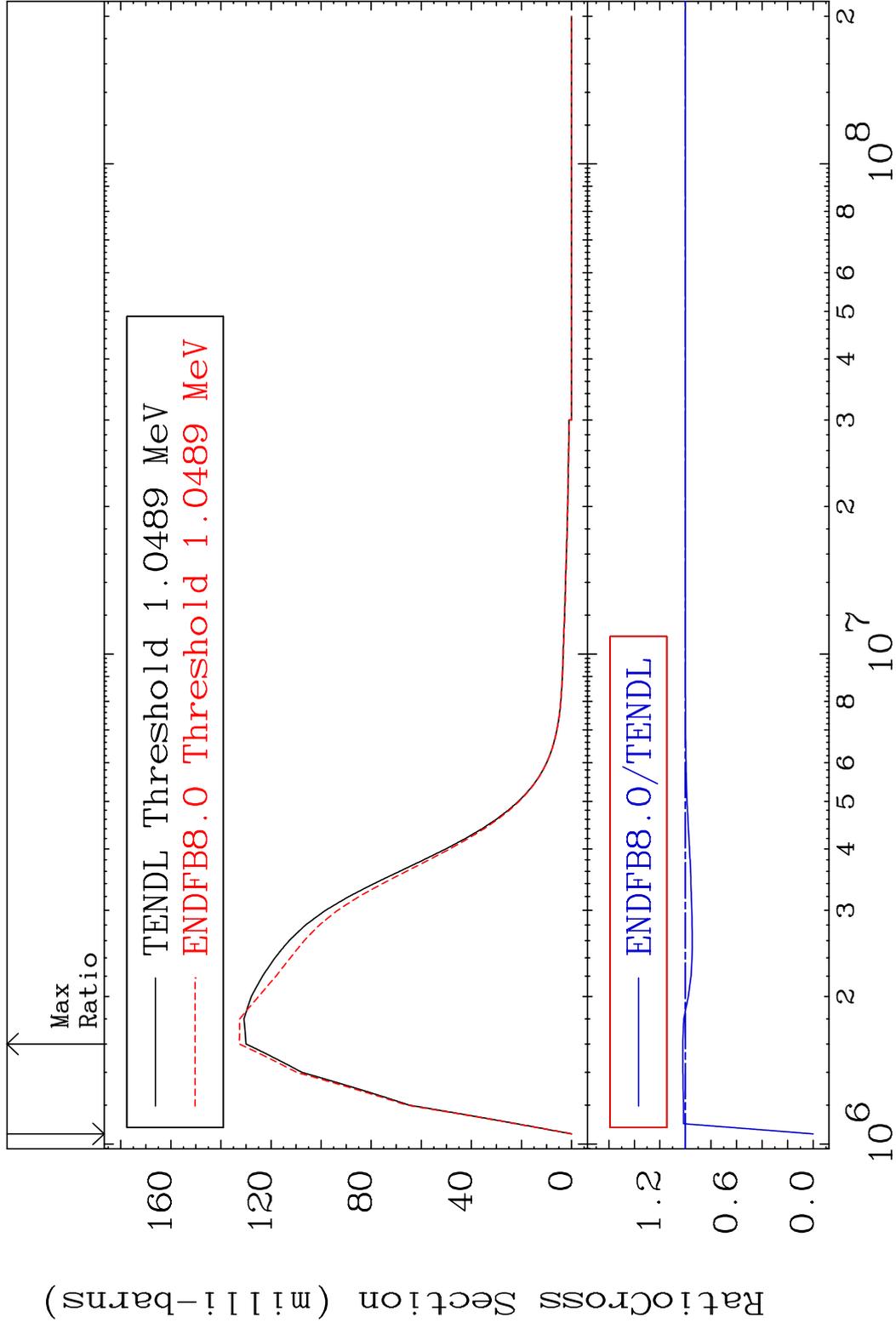
26 Incident Energy (eV) 82-Pb-205

MAT 8228 MT= 59 (n,n') Level 82-Pb-205
 Cross Section -5.351 To 0.054 %



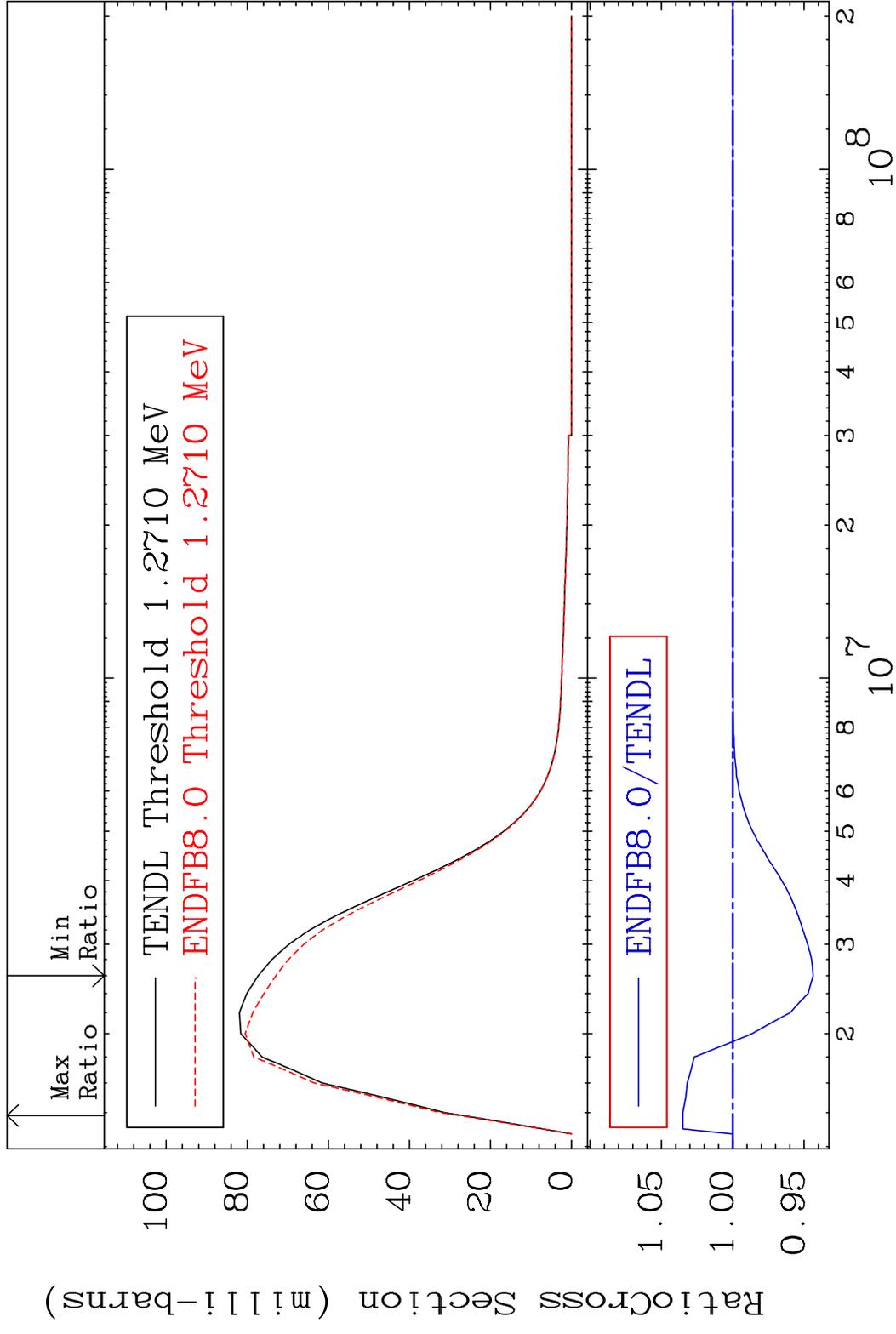
27 Incident Energy (eV) 82-Pb-205

MAT 8228 MT= 60 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 2.052 %

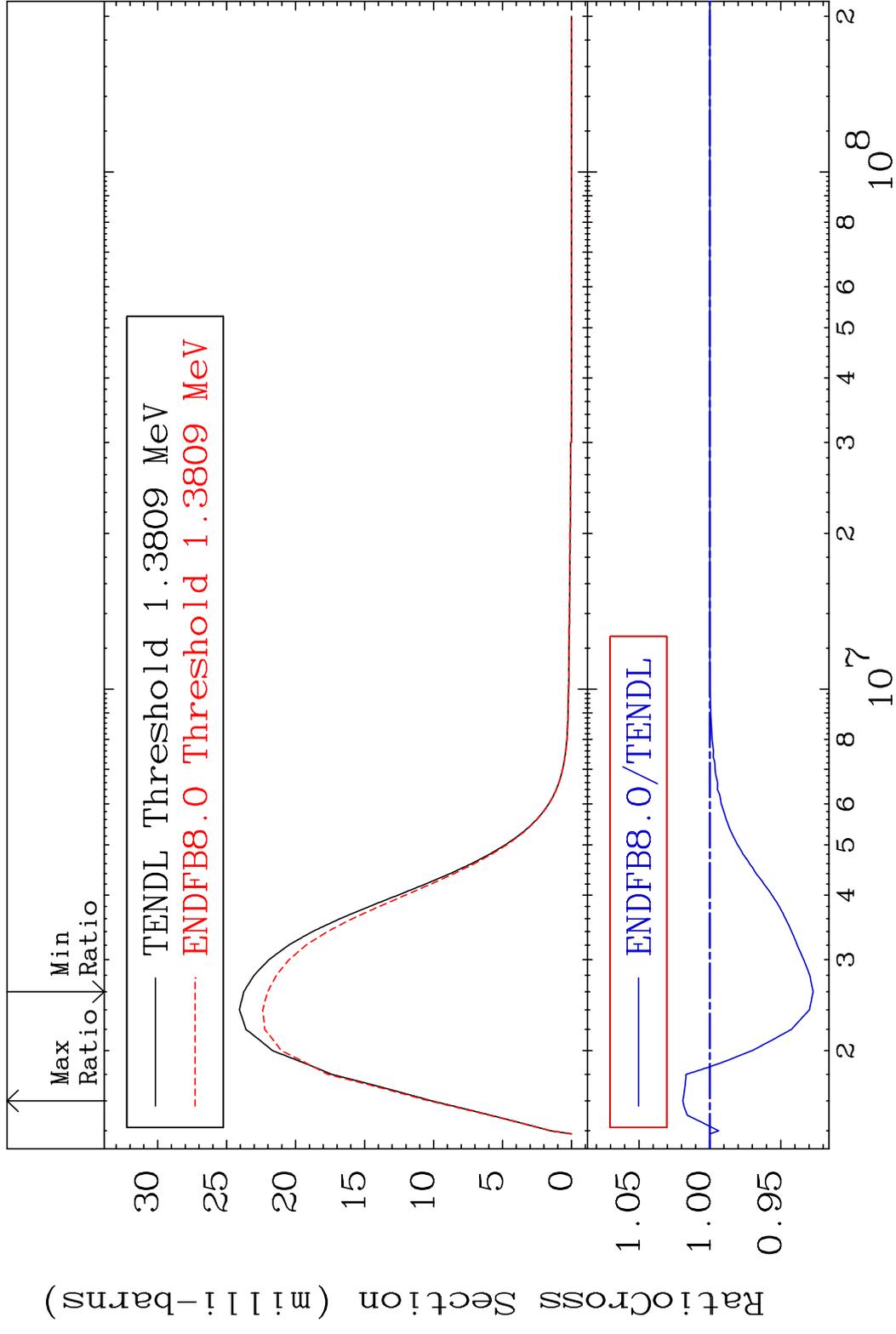


28 Incident Energy (eV) 82-Pb-205

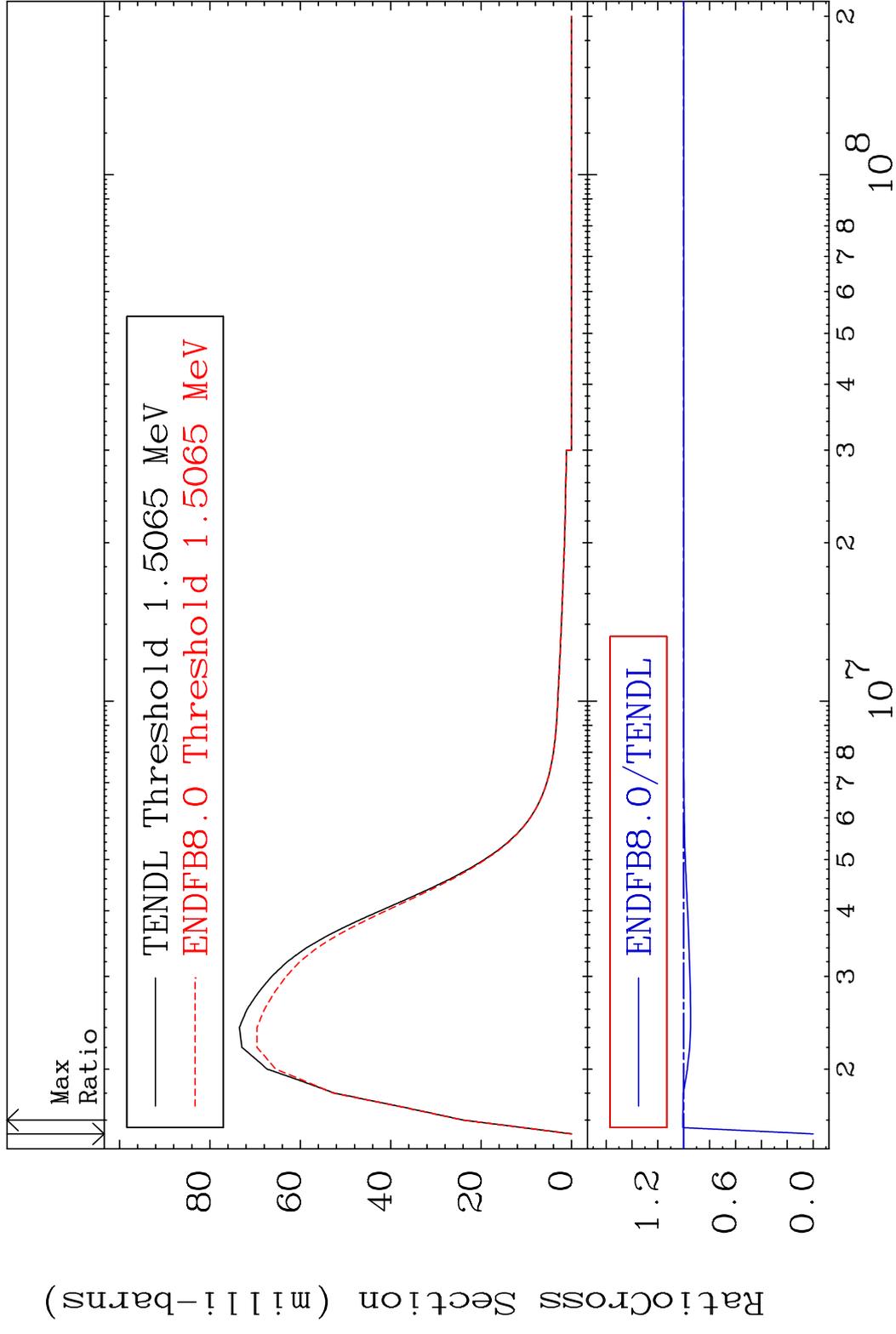
MAT 8228 MT= 61 (n,n') Level 82-Pb-205
 Cross Section -5.633 To 3.499 %



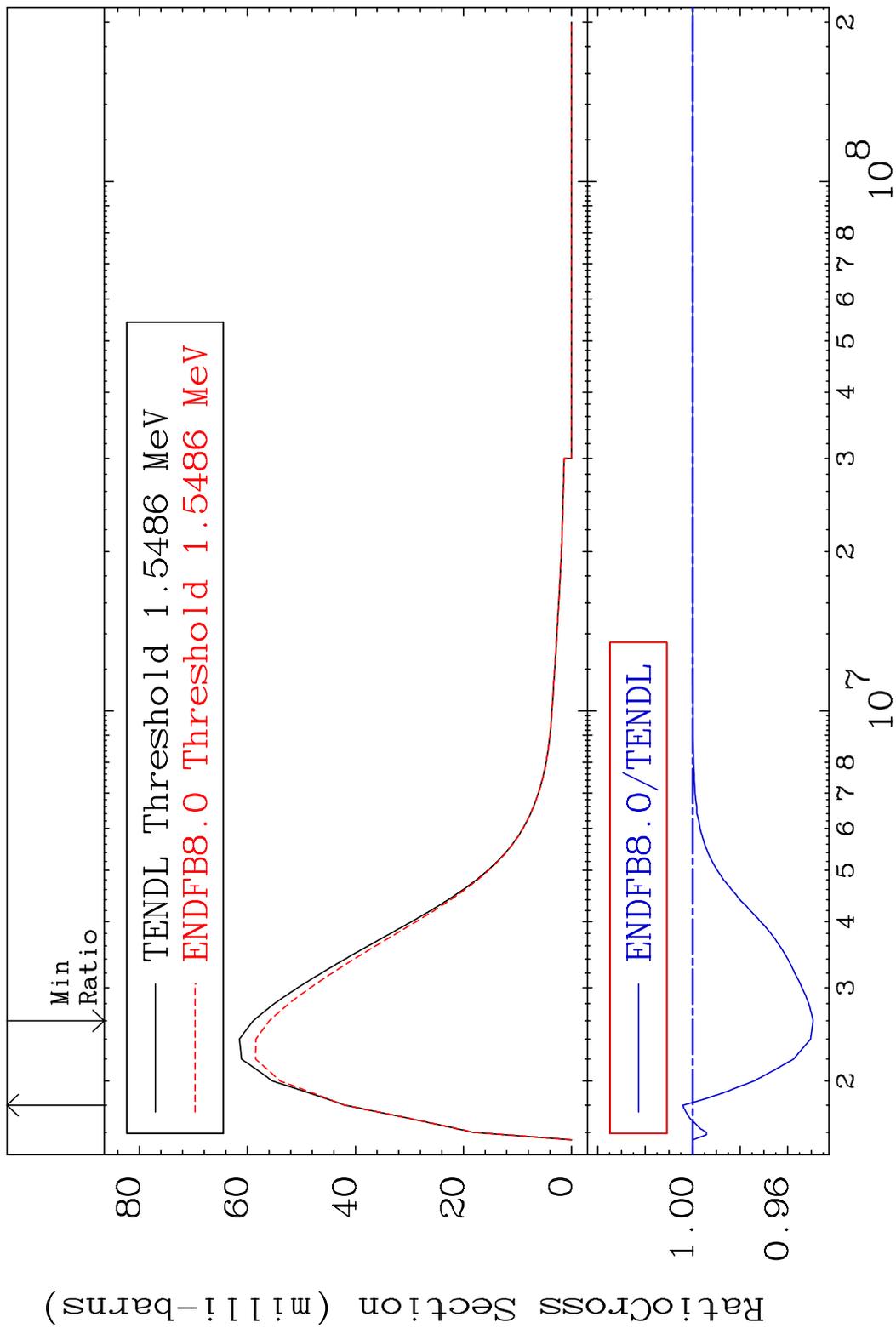
MAT 8228 MT= 62 (n, n') Level 82-Pb-205
 Cross Section -7.291 To 1.903 %



MAT 8228 MT= 63 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 0.692 %



MAT 8228 MT= 64 (n, n') Level 82-Pb-205
 Cross Section -5.074 To 0.418 %

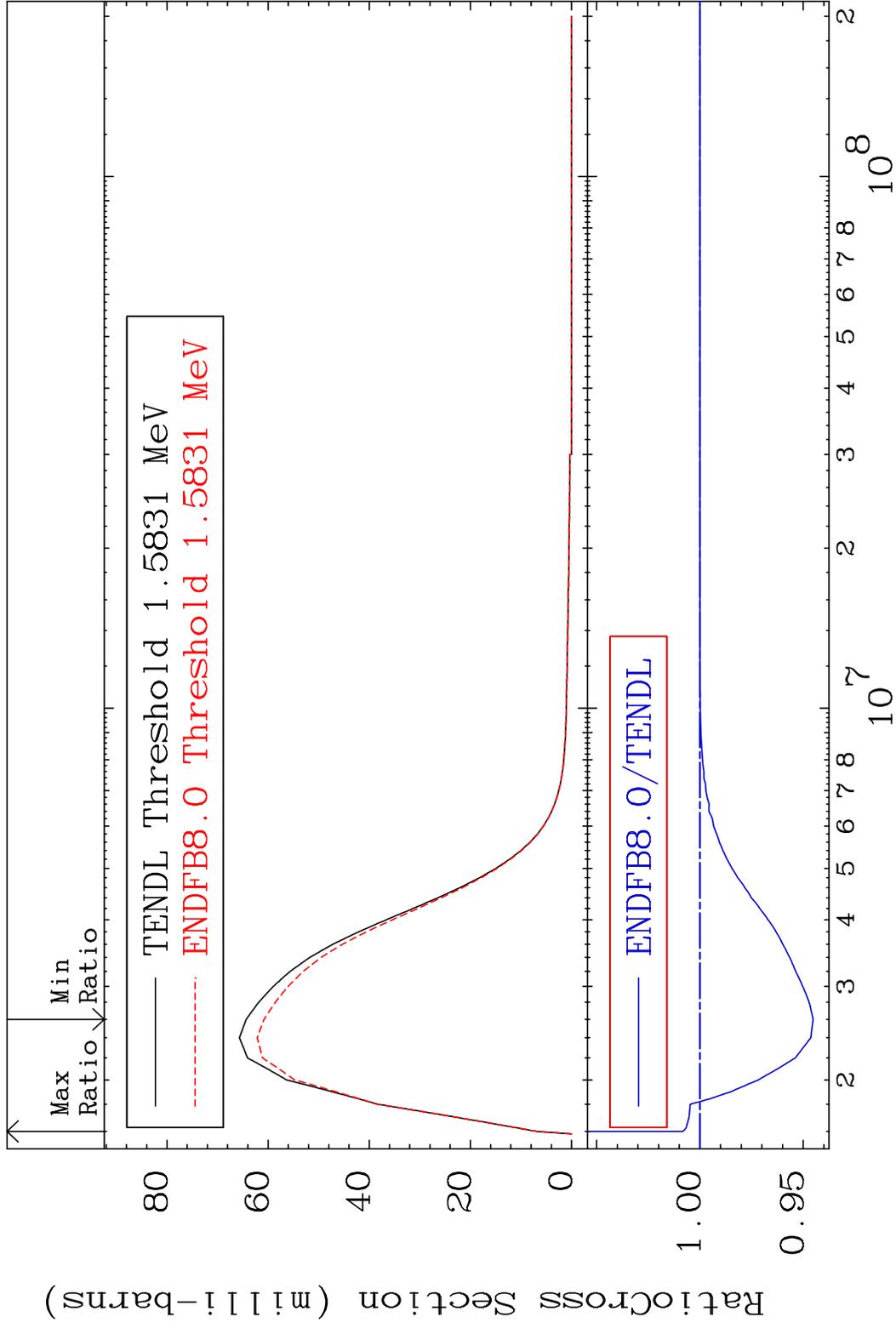


MAT 8228

MT= 65 (n, n') Level

82-Pb-205

Cross Section -5.479 To 0.827 %

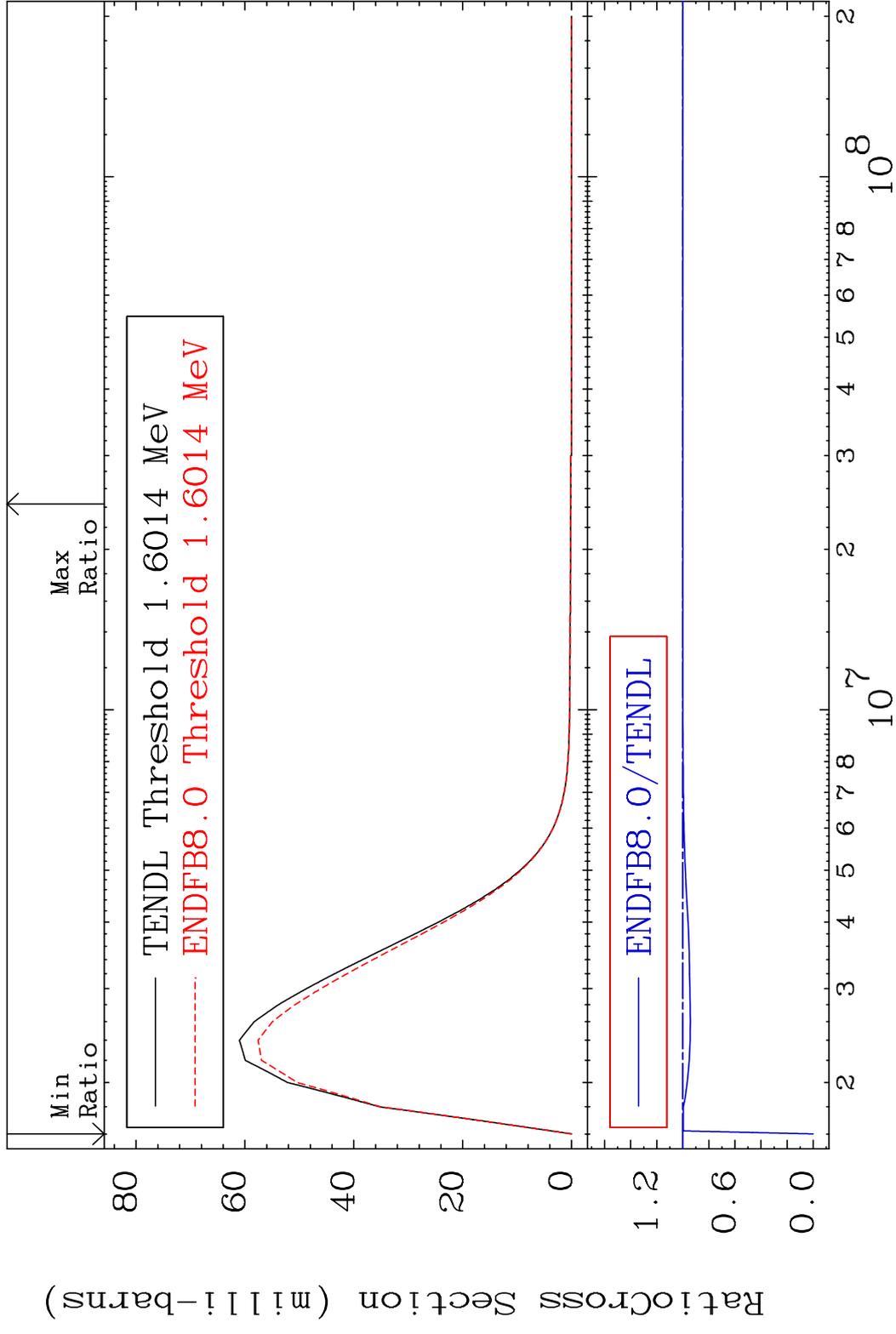


33

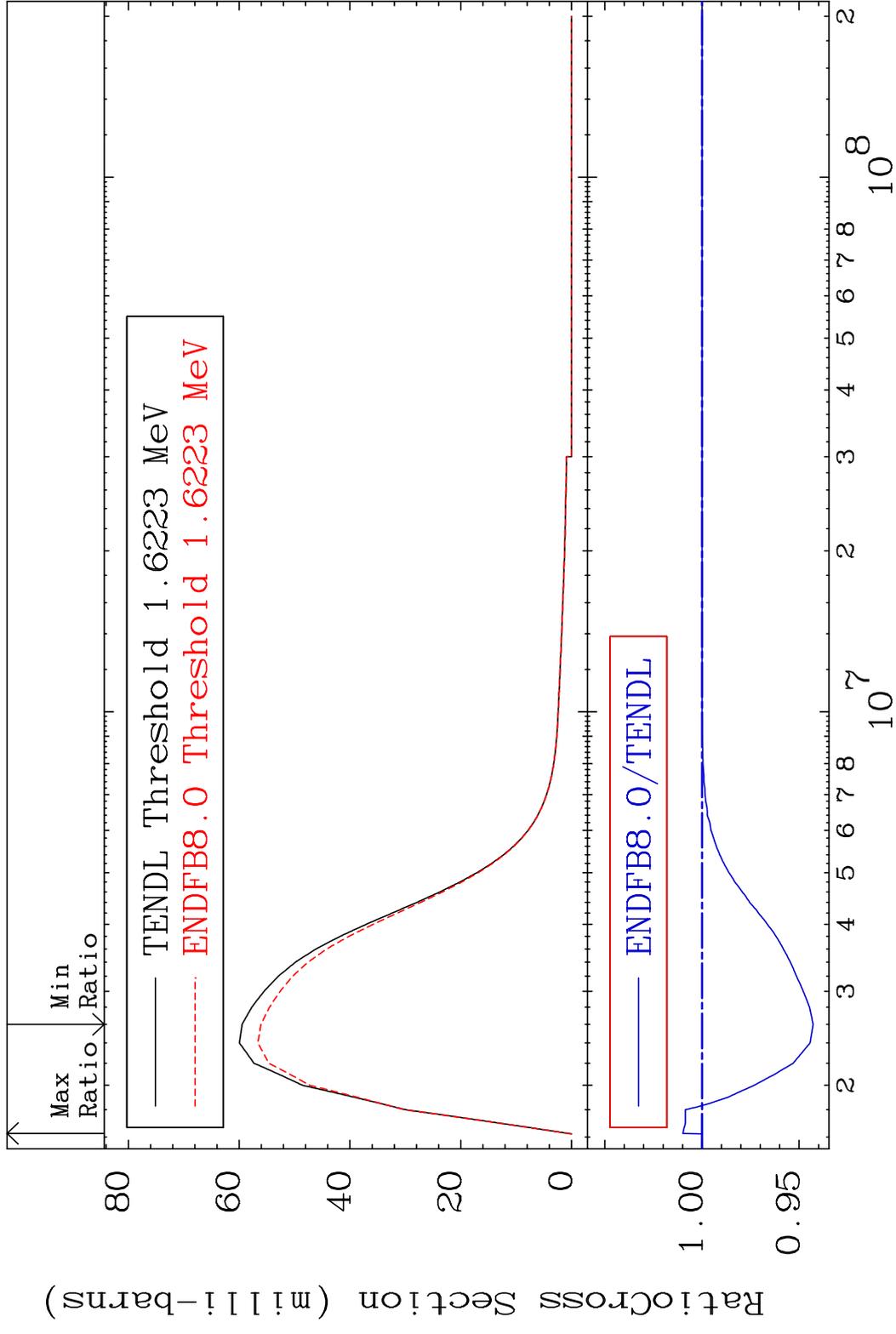
Incident Energy (eV)

82-Pb-205

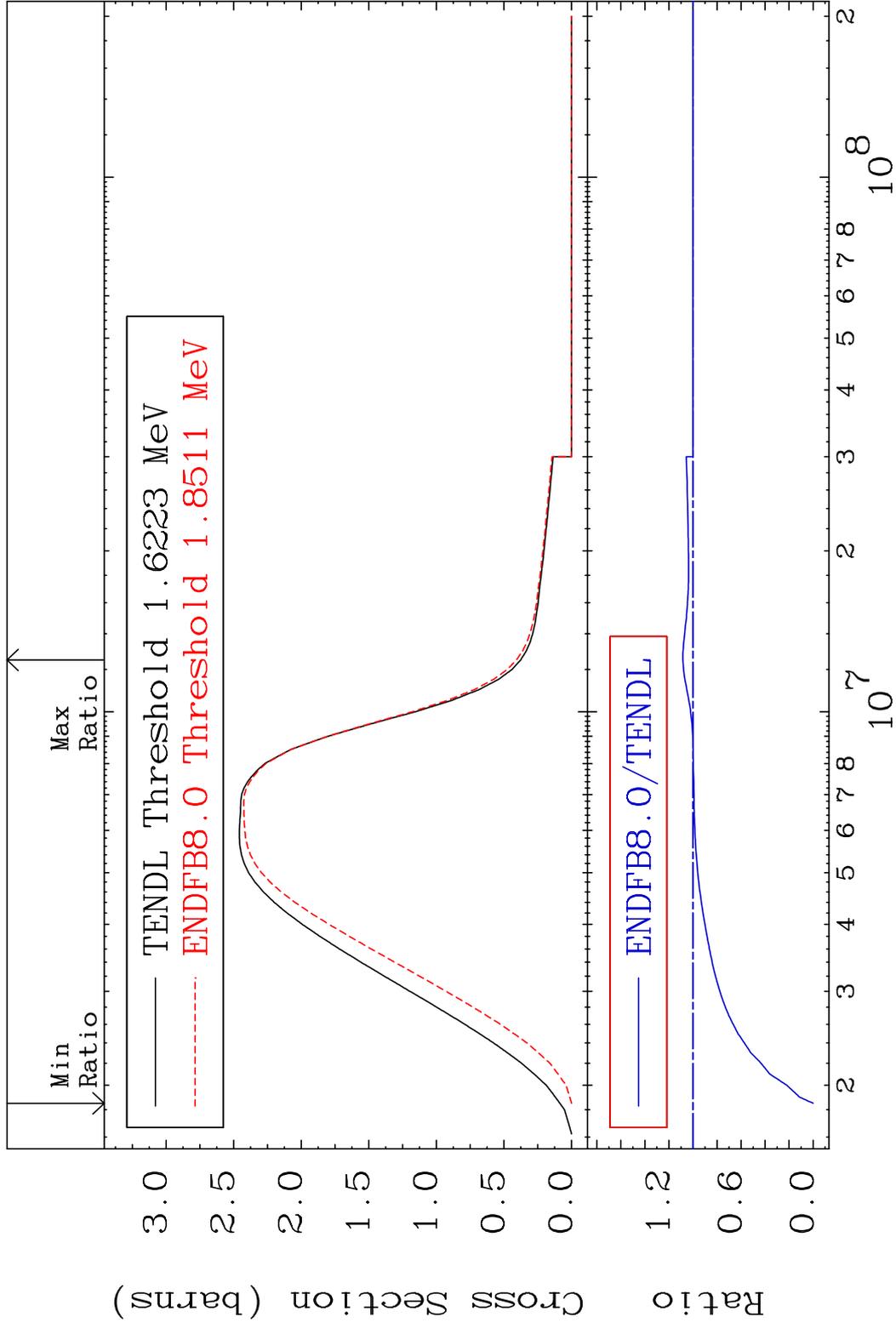
MAT 8228 MT= 66 (n, n') Level 82-Pb-205
 Cross Section -100.0 To 0.000 %



MAT 8228 MT= 67 (n,n') Level 82-Pb-205
 Cross Section -5.721 To 0.986 %



MAT 8228 (n,n') Continuum 82-Pb-205
 Cross Section -100.0 To 8.437 %

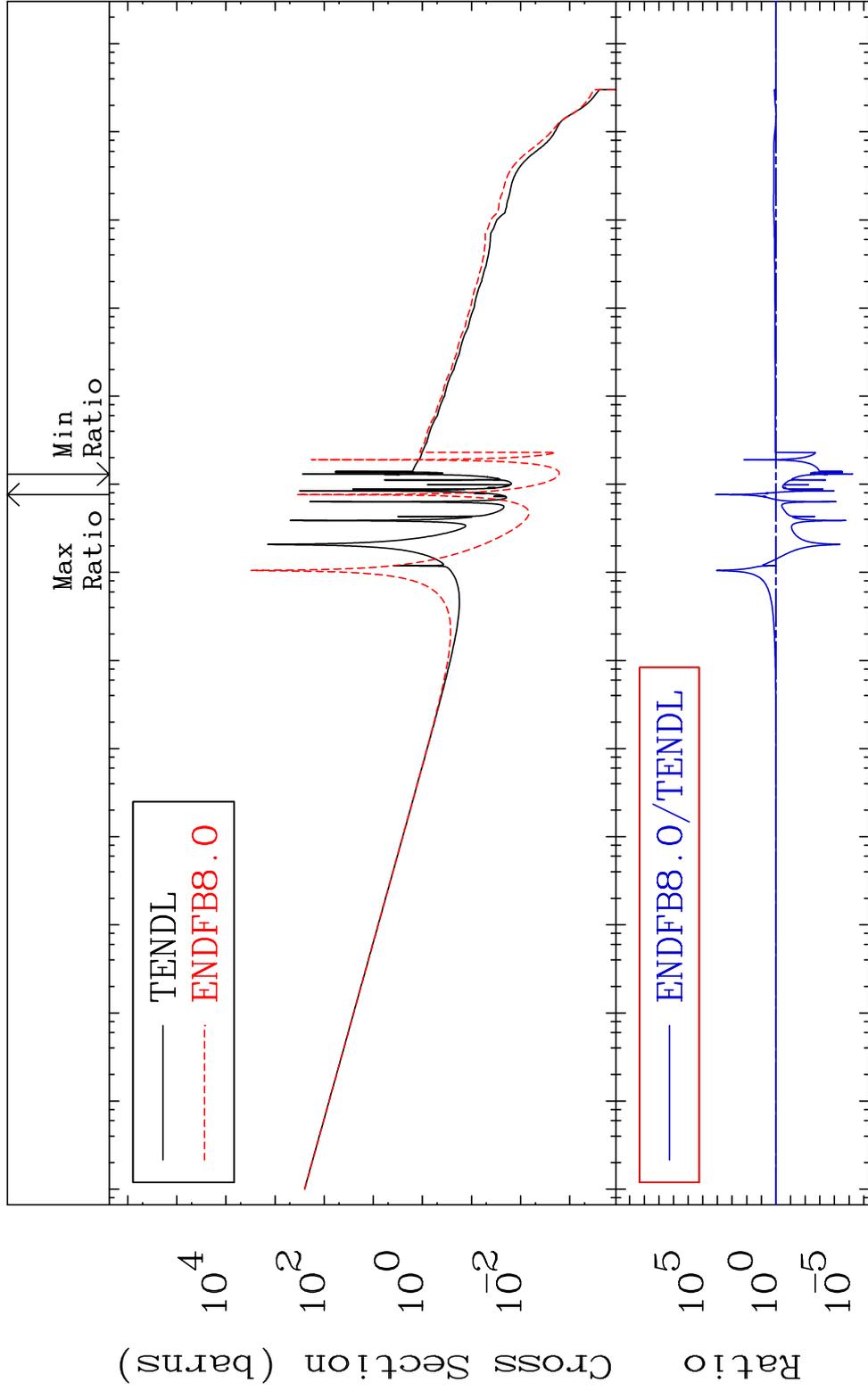


MAT 8228

82-Pb-205

(n, γ)

Cross Section -100.0 To 9999. %



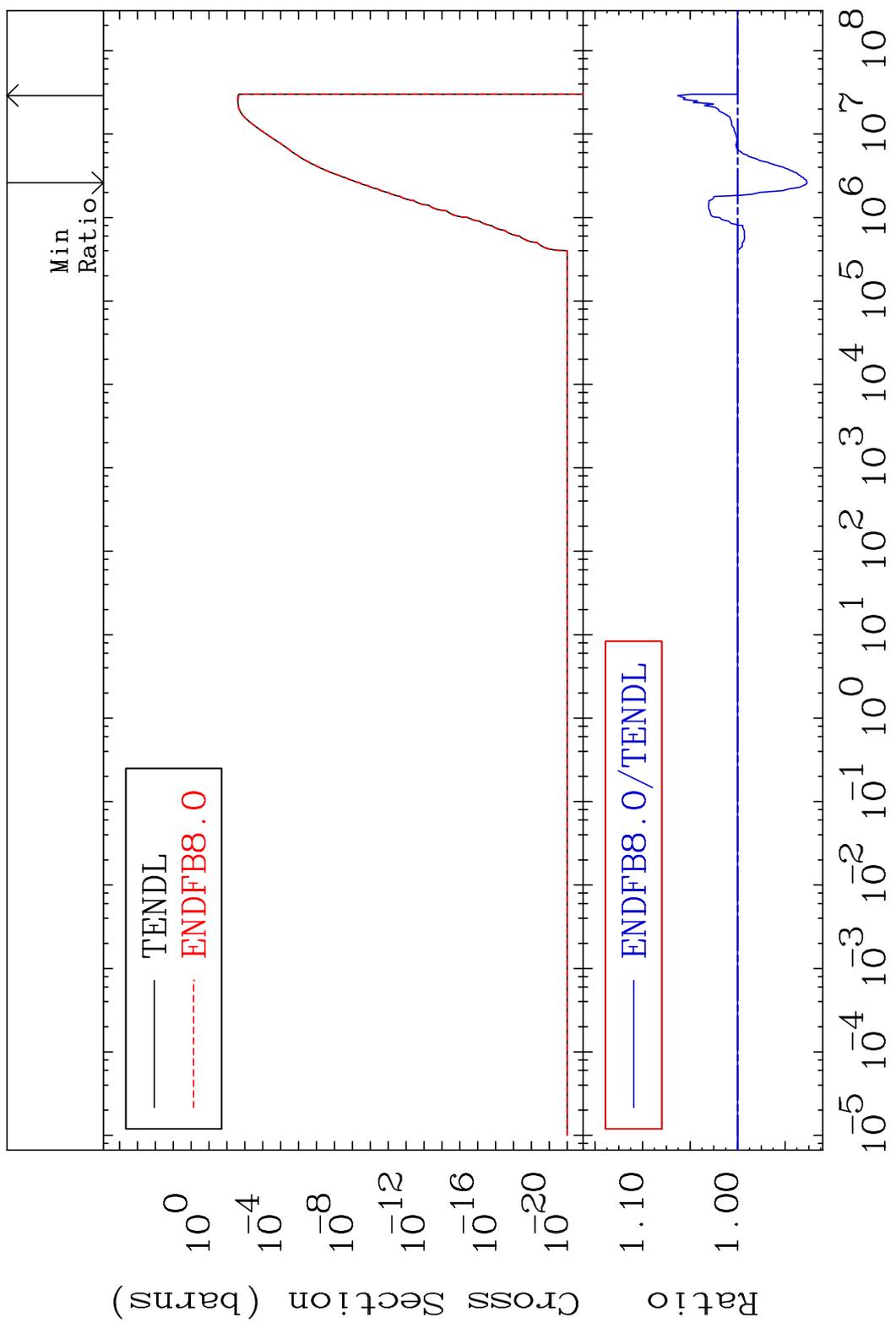
MAT 8228

(n, p)

82-Pb-205

Cross Section

-7.313 To 6.304 %

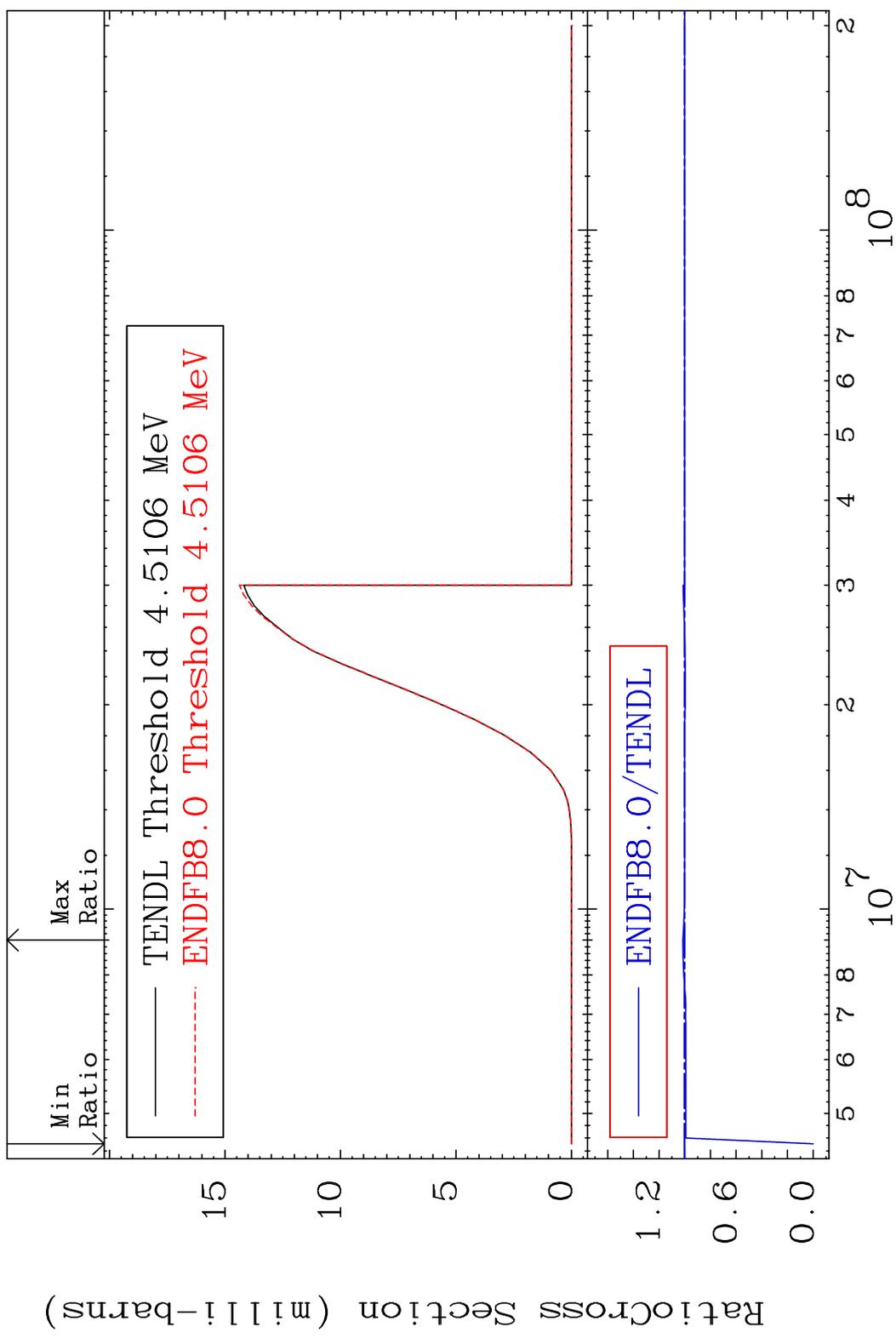


MAT 8228

(n,d)

82-Pb-205

Cross Section -100.0 To 1.527 %



39

Incident Energy (eV)

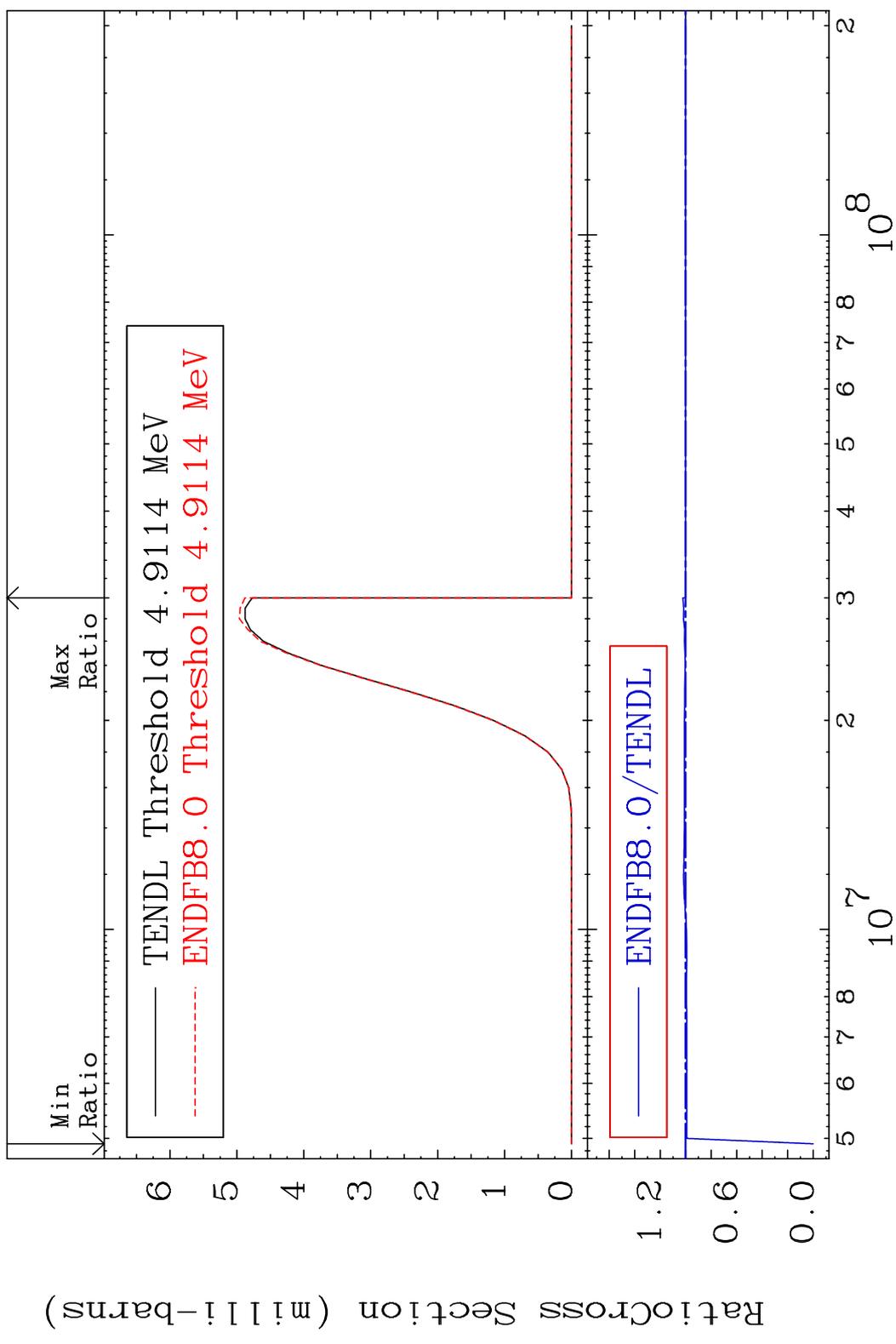
82-Pb-205

MAT 8228

(n, t)

82-Pb-205

Cross Section -100.0 To 2.245 %



40

Incident Energy (eV)

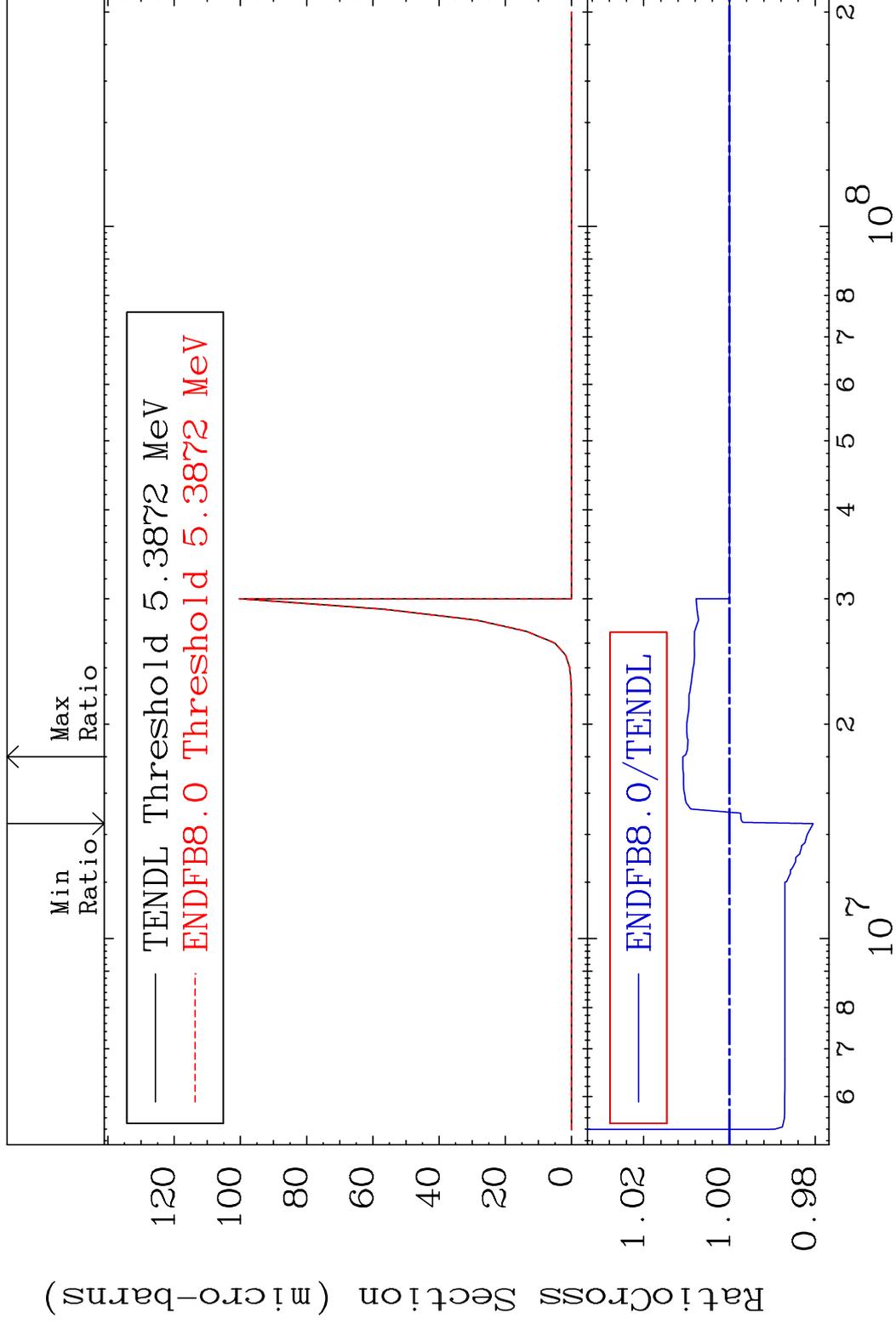
82-Pb-205

MAT 8228

(n, He-3)

82-Pb-205

Cross Section -1.951 To 1.087 %



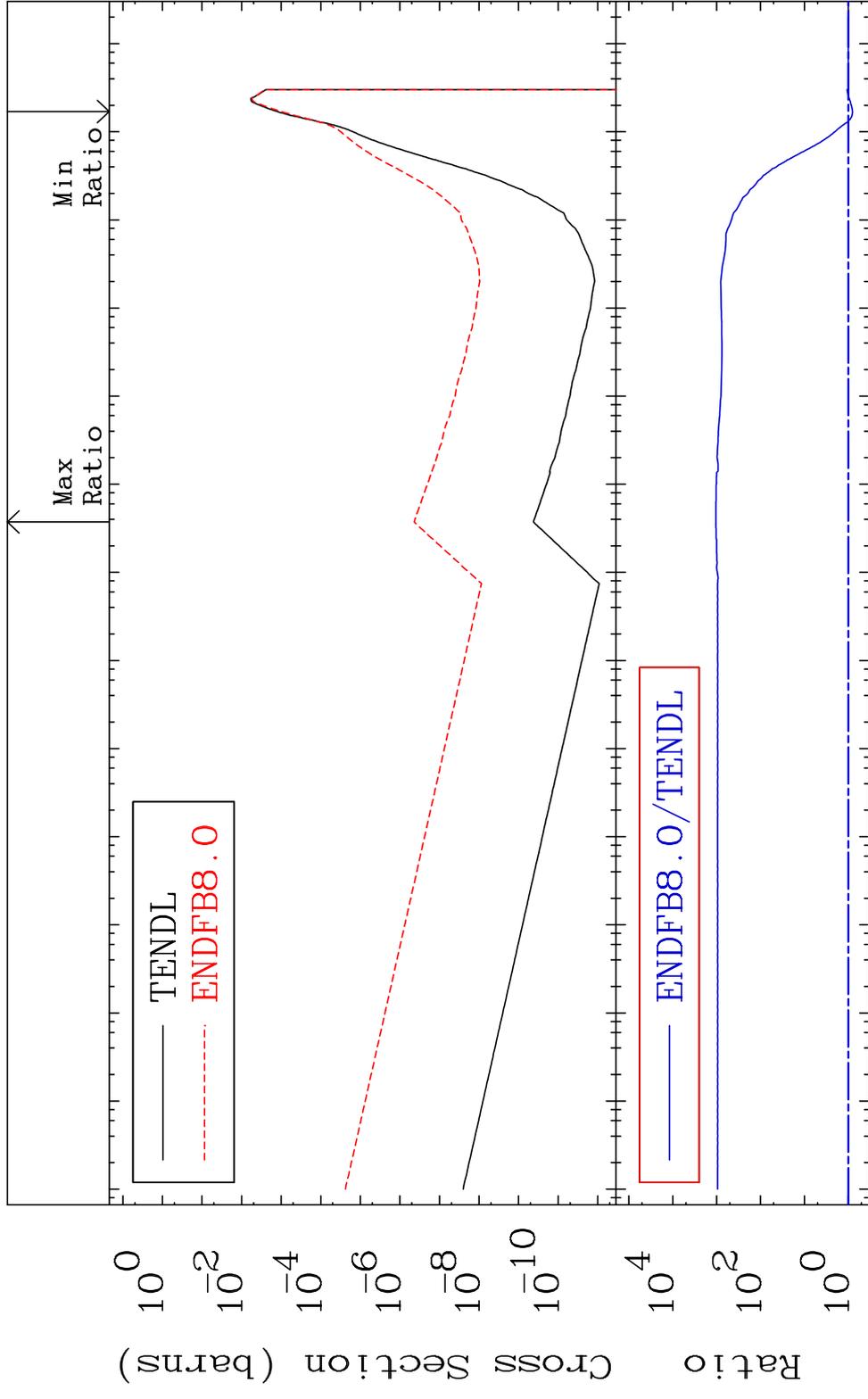
41

Incident Energy (eV)

82-Pb-205

MAT 8228

(n, α)
Cross Section -19.97 To 9999. %
82-Pb-205



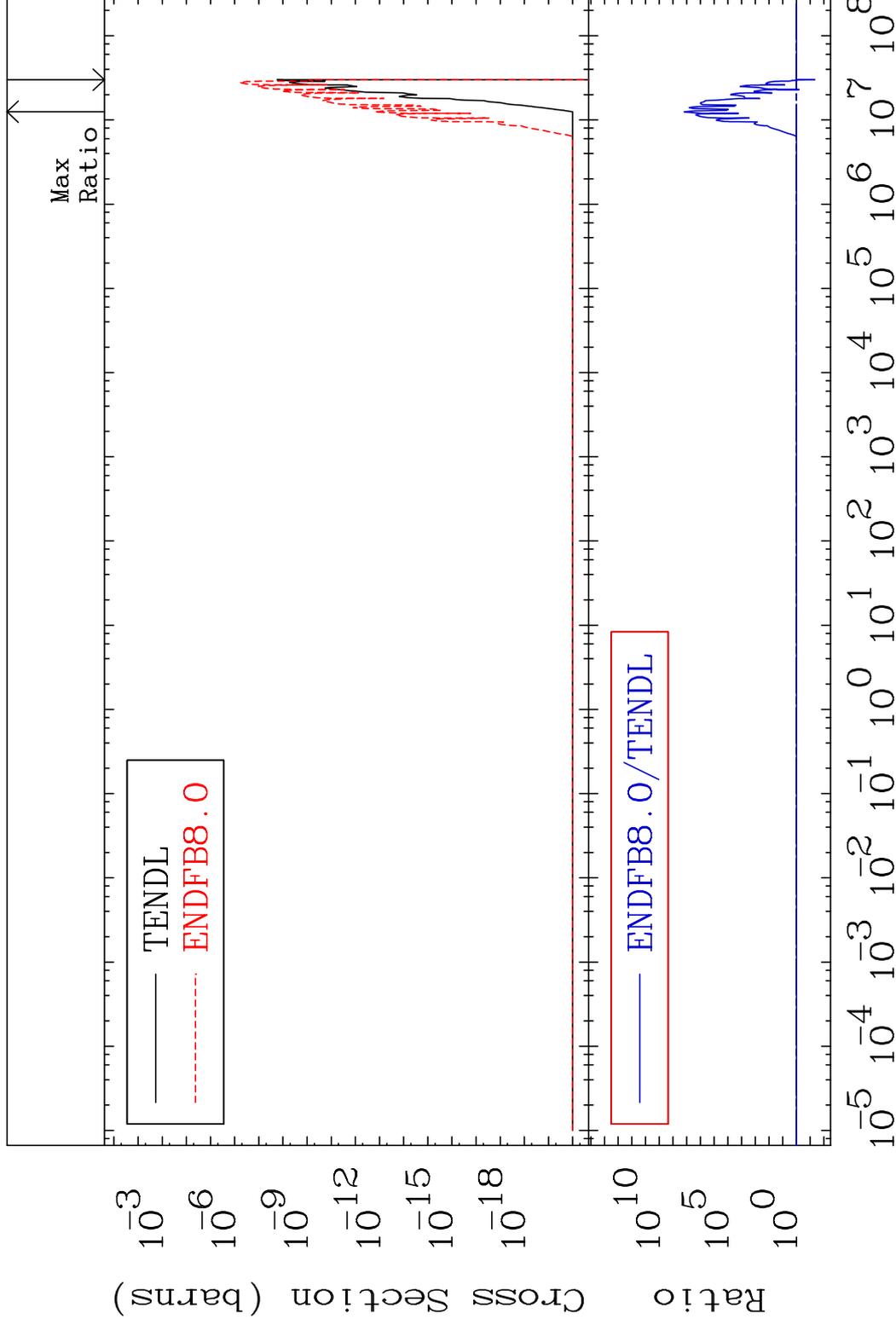
MAT 8228

(n, 2α)

82-Pb-205

Cross Section

-95.32 To 9999. %



43

Incident Energy (eV)

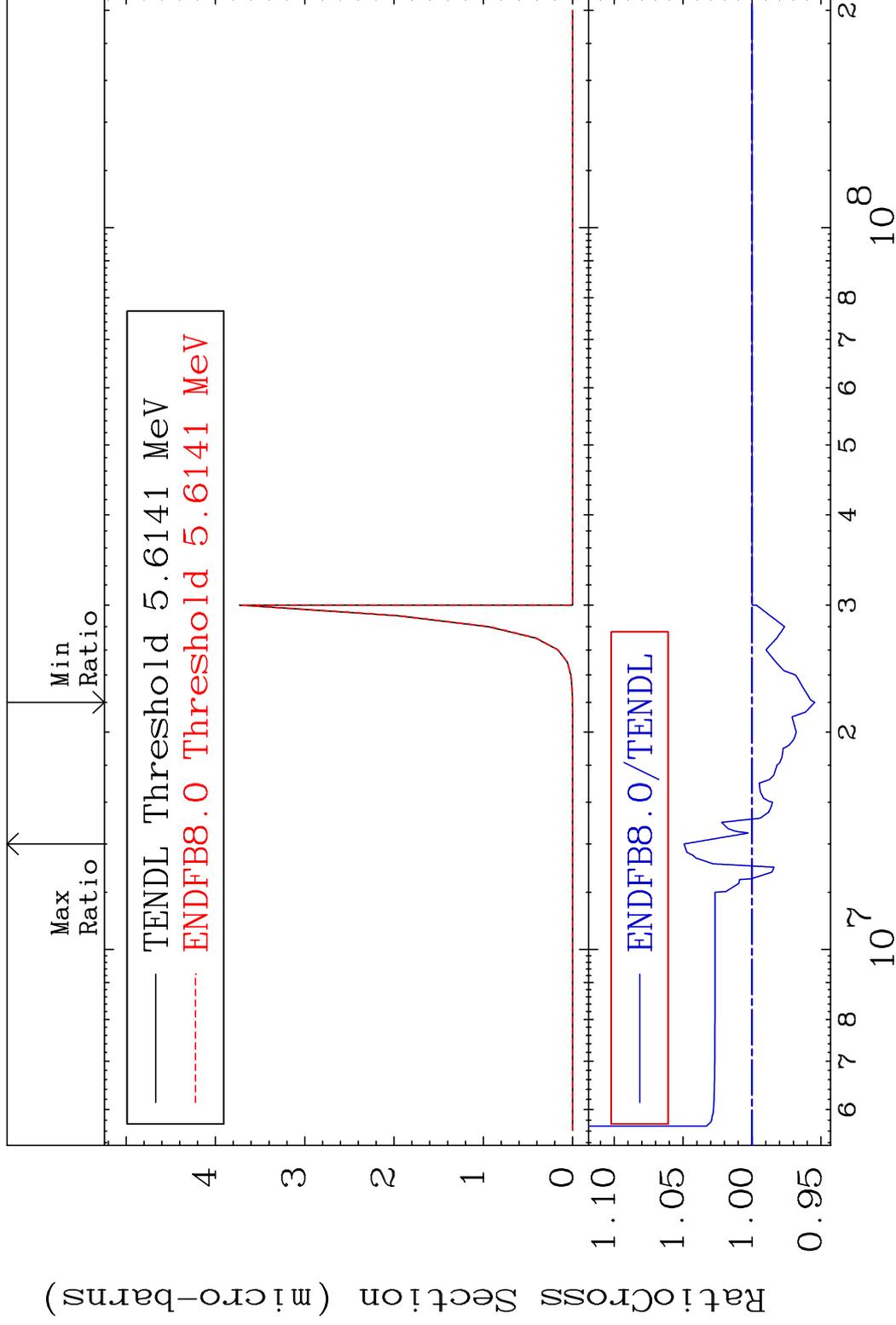
82-Pb-205

MAT 8228

(n,2p)

82-Pb-205

Cross Section -4.547 To 4.927 %



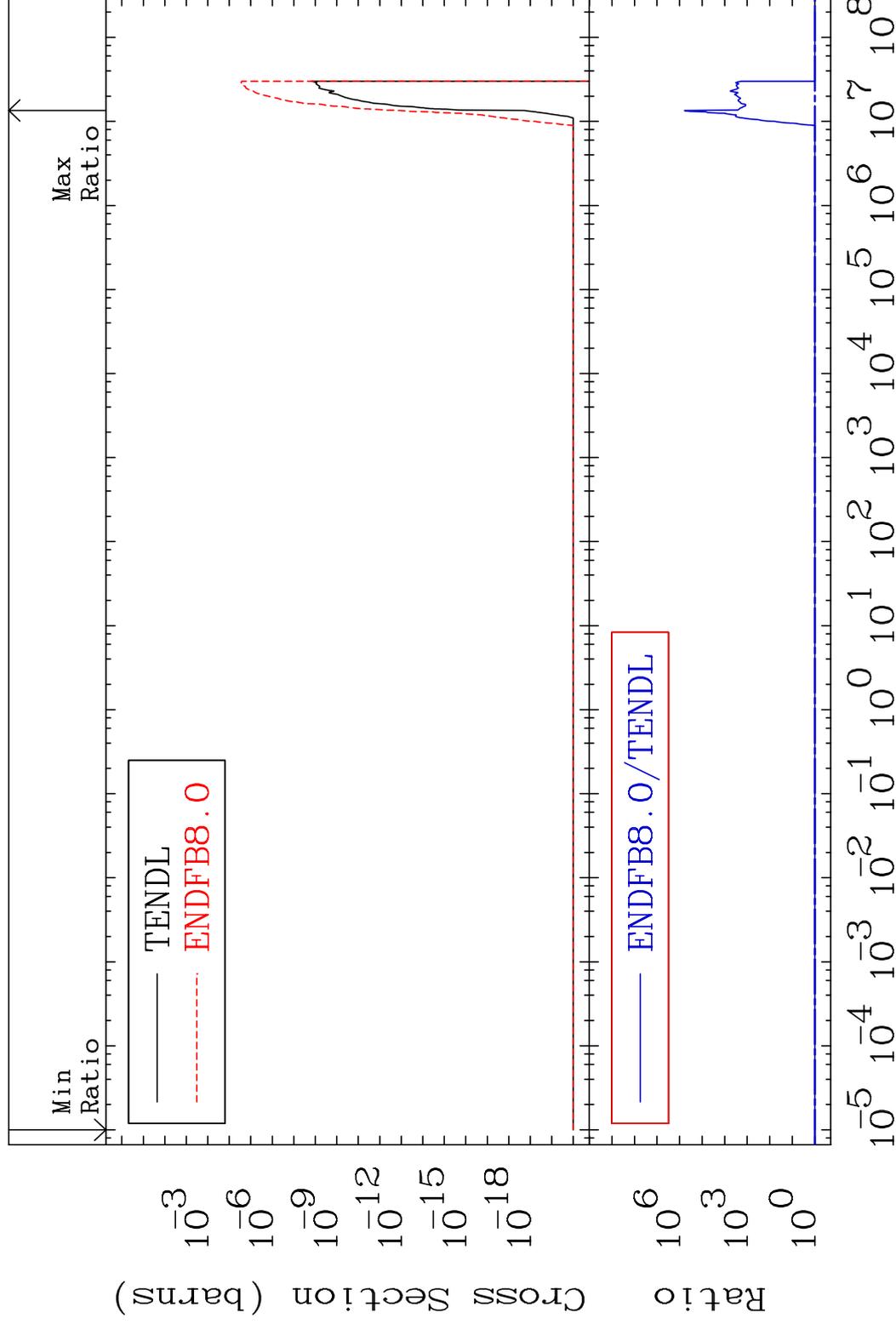
MAT 8228

(n,p) α

82-Pb-205

Cross Section 0.000

To 9999. %

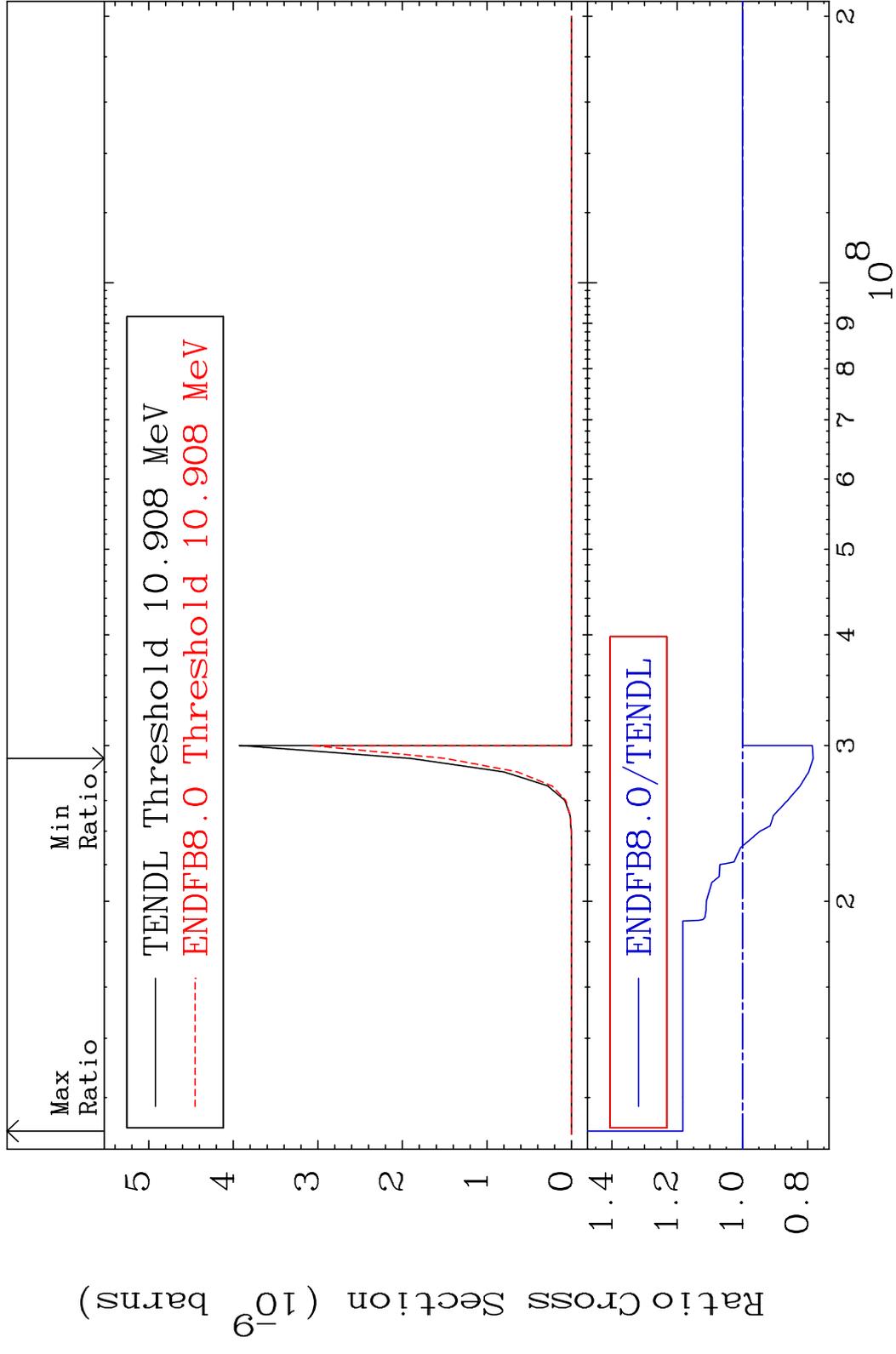


45

Incident Energy (eV)

82-Pb-205

MAT 8228 (n,p) d 82-Pb-205
 Cross Section -21.66 To 18.28 %

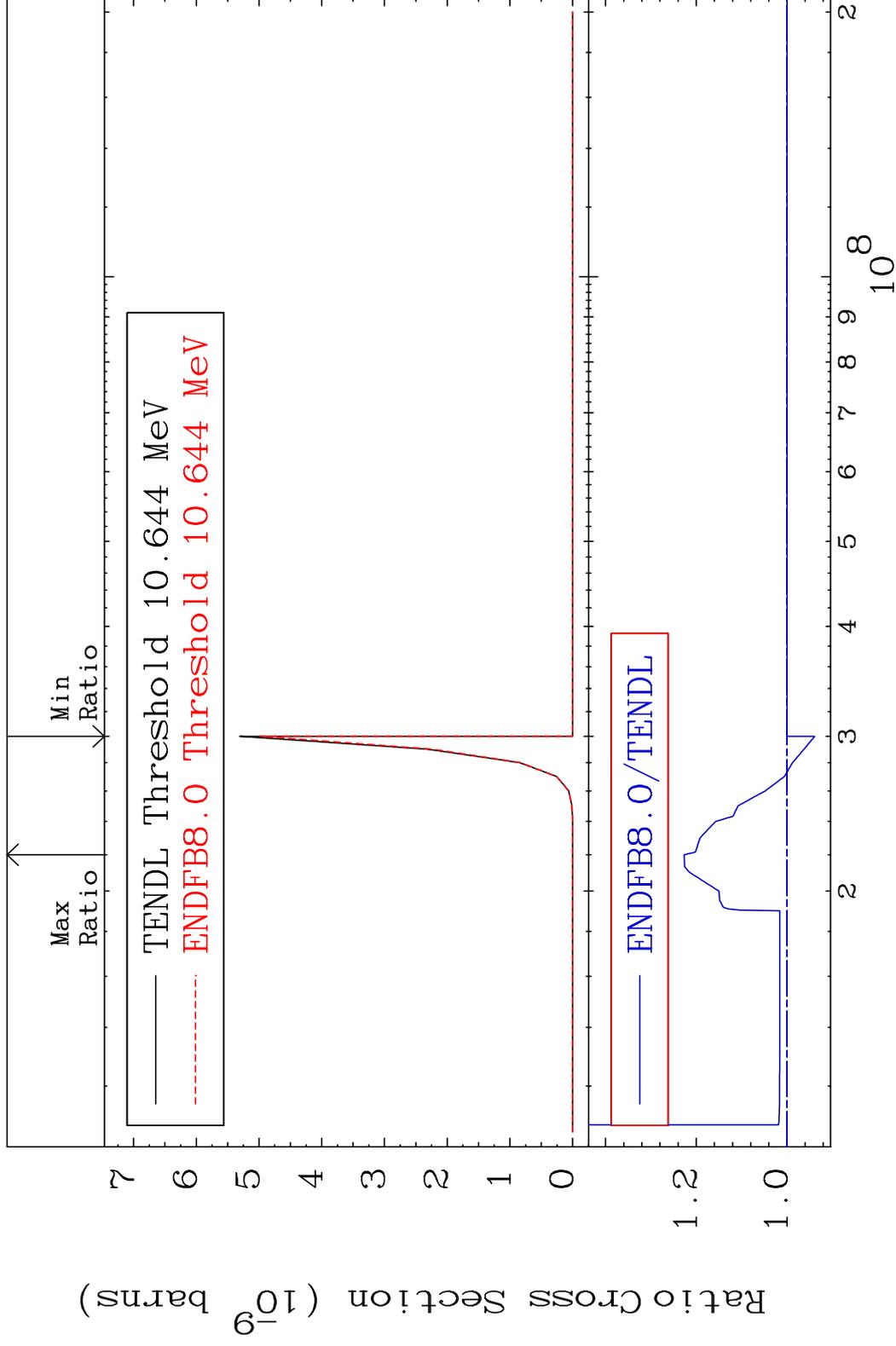


MAT 8228

(n,p) t

82-Pb-205

Cross Section -6.099 To 22.68 %



47

Incident Energy (eV)

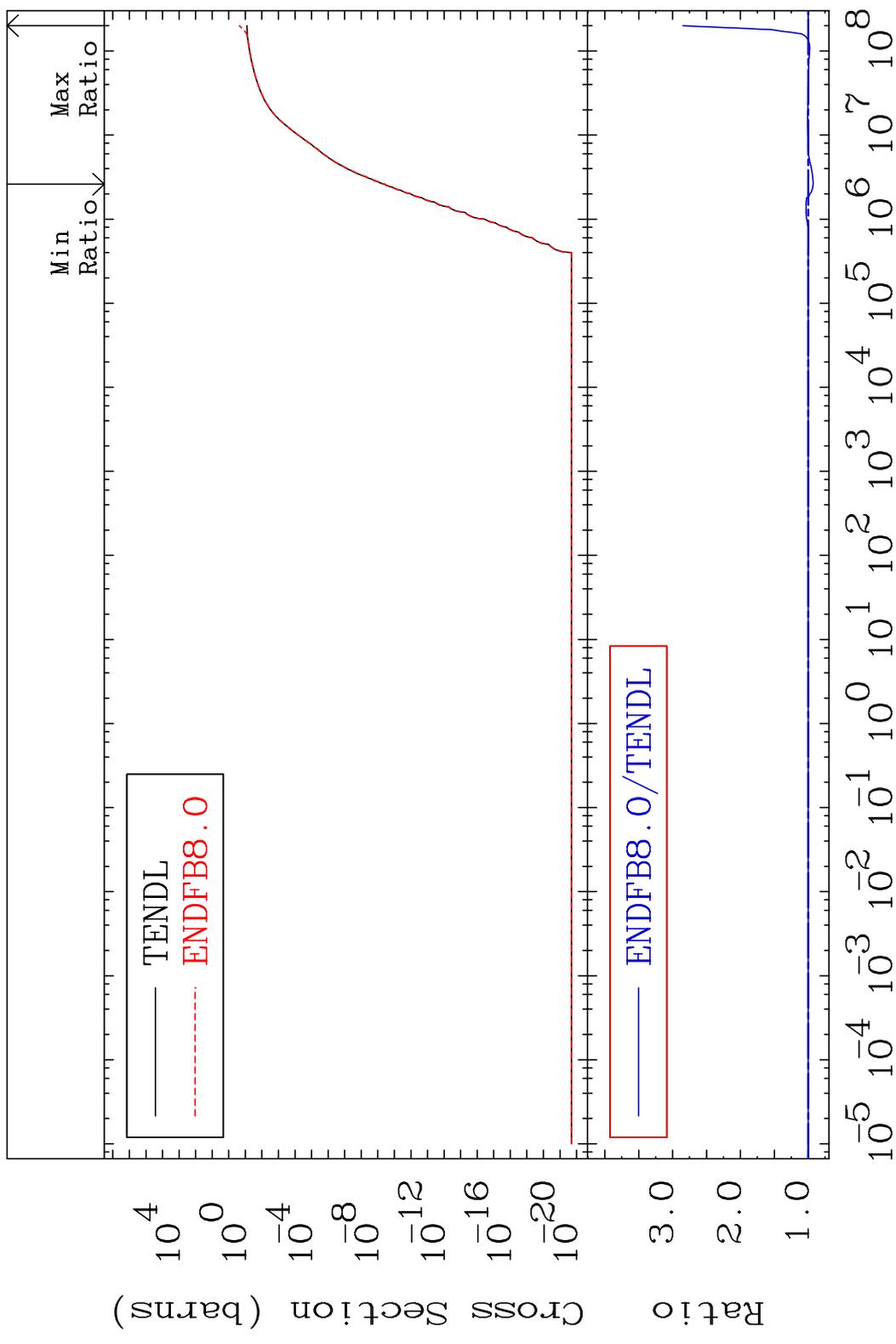
82-Pb-205

MAT 8228

Hydrogen Production

82-Pb-205

Cross Section -7.313 To 184.9 %



48

Incident Energy (eV)

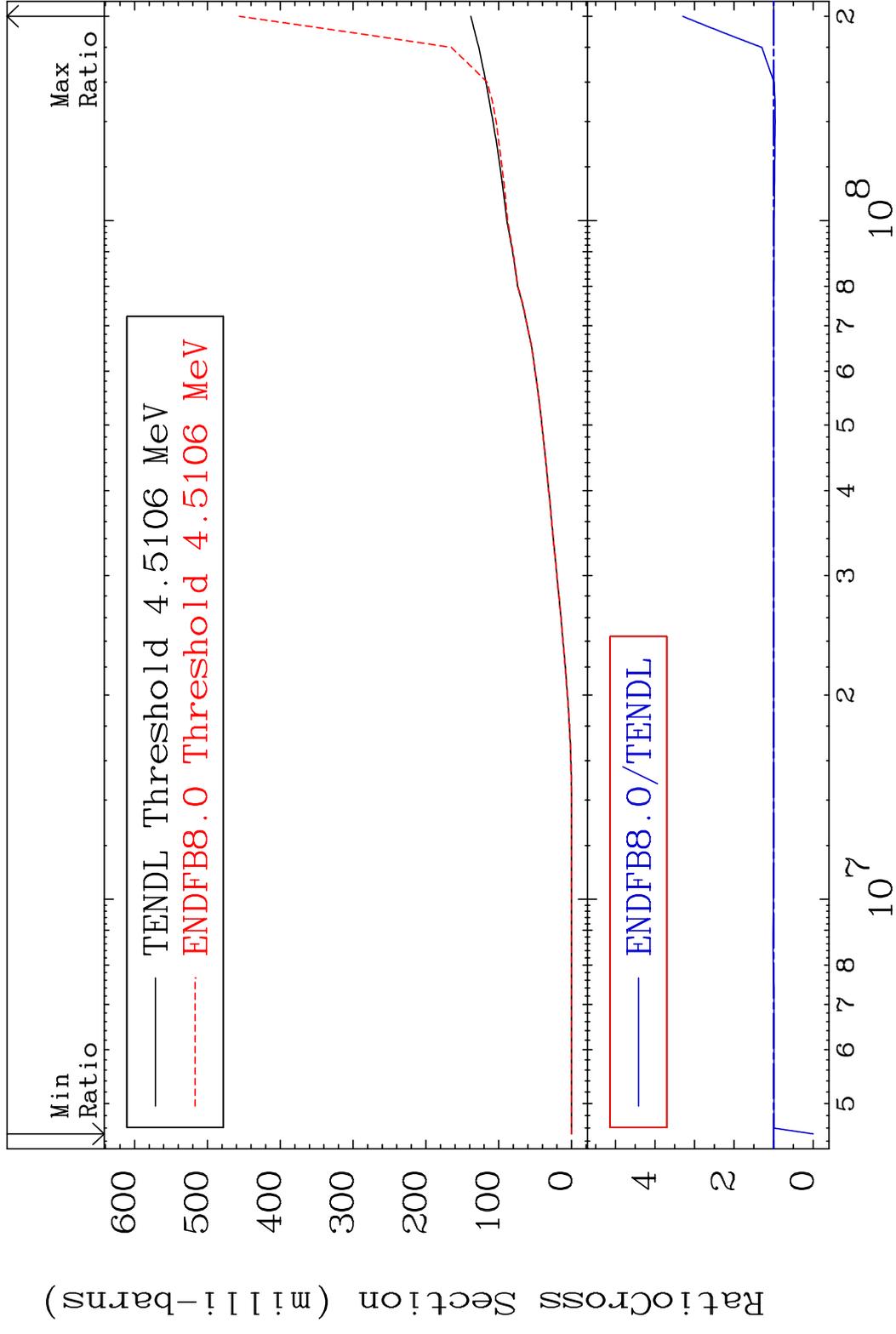
82-Pb-205

MAT 8228

Deuterium Production

82-Pb-205

Cross Section -100.0 To 229.5 %



49

Incident Energy (eV)

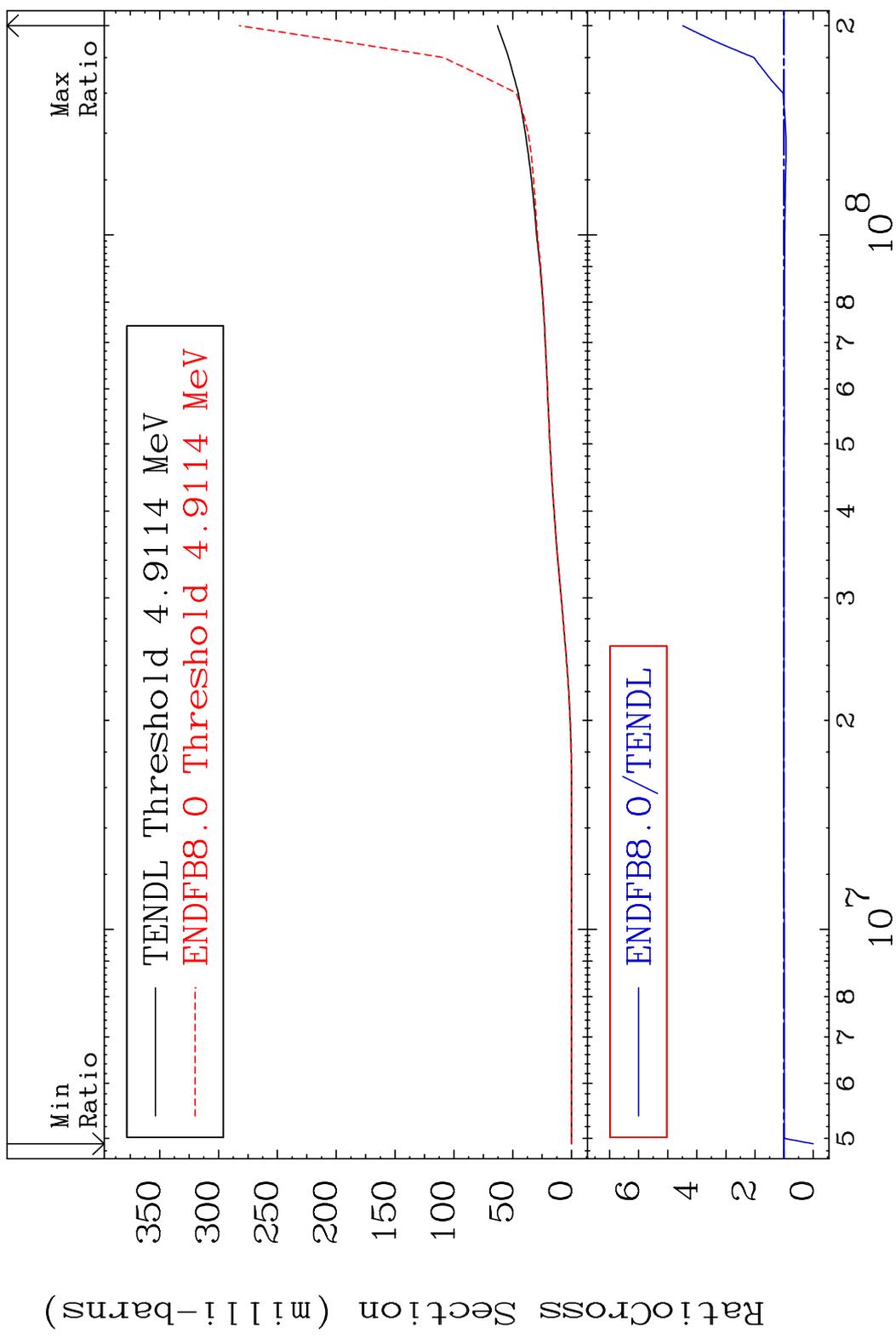
82-Pb-205

MAT 8228

Tritium Production

82-Pb-205

Cross Section -100.0 To 348.2 %



50

Incident Energy (eV)

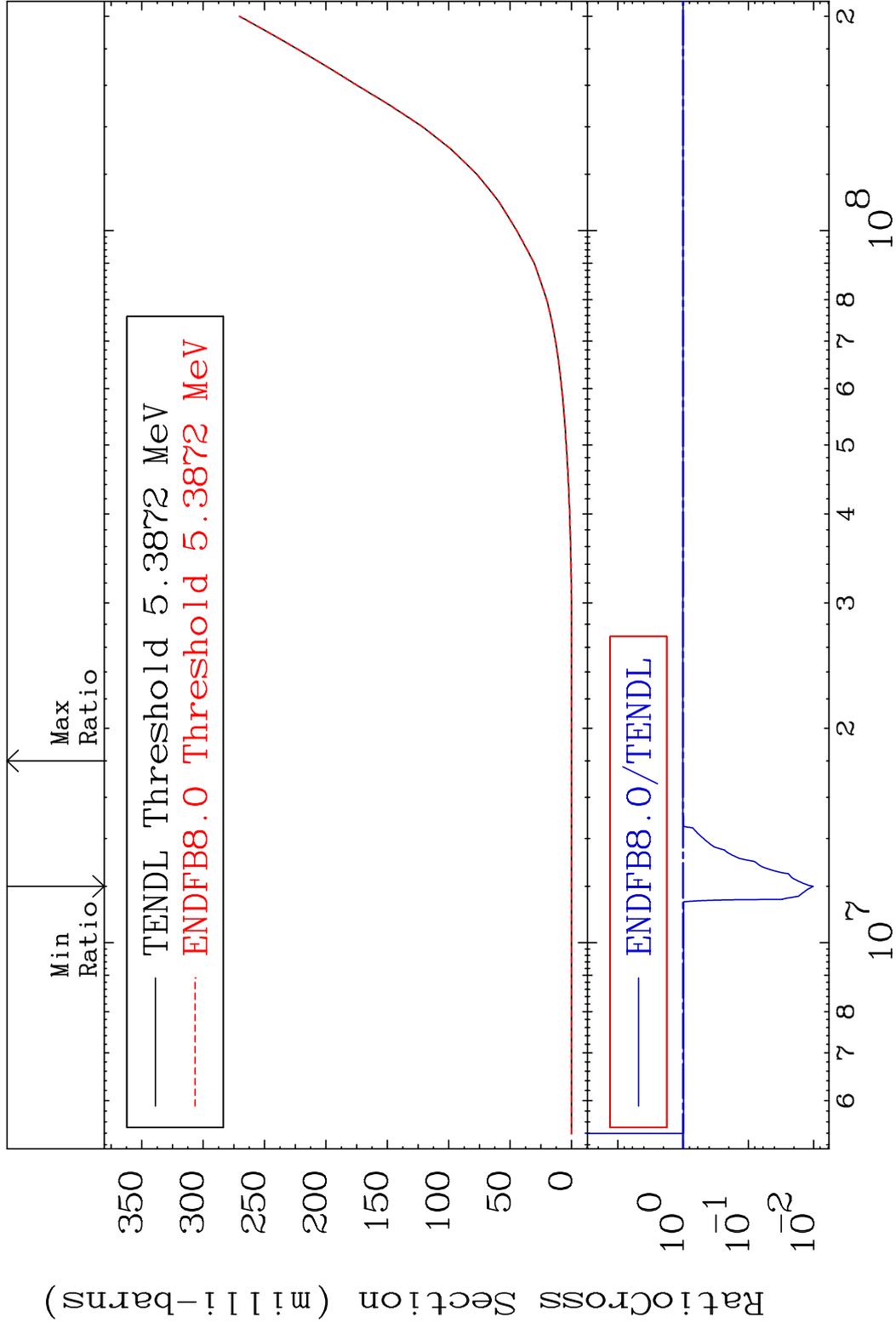
82-Pb-205

MAT 8228

He-3 Production

82-Pb-205

Cross Section -98.98 To 1.087 %

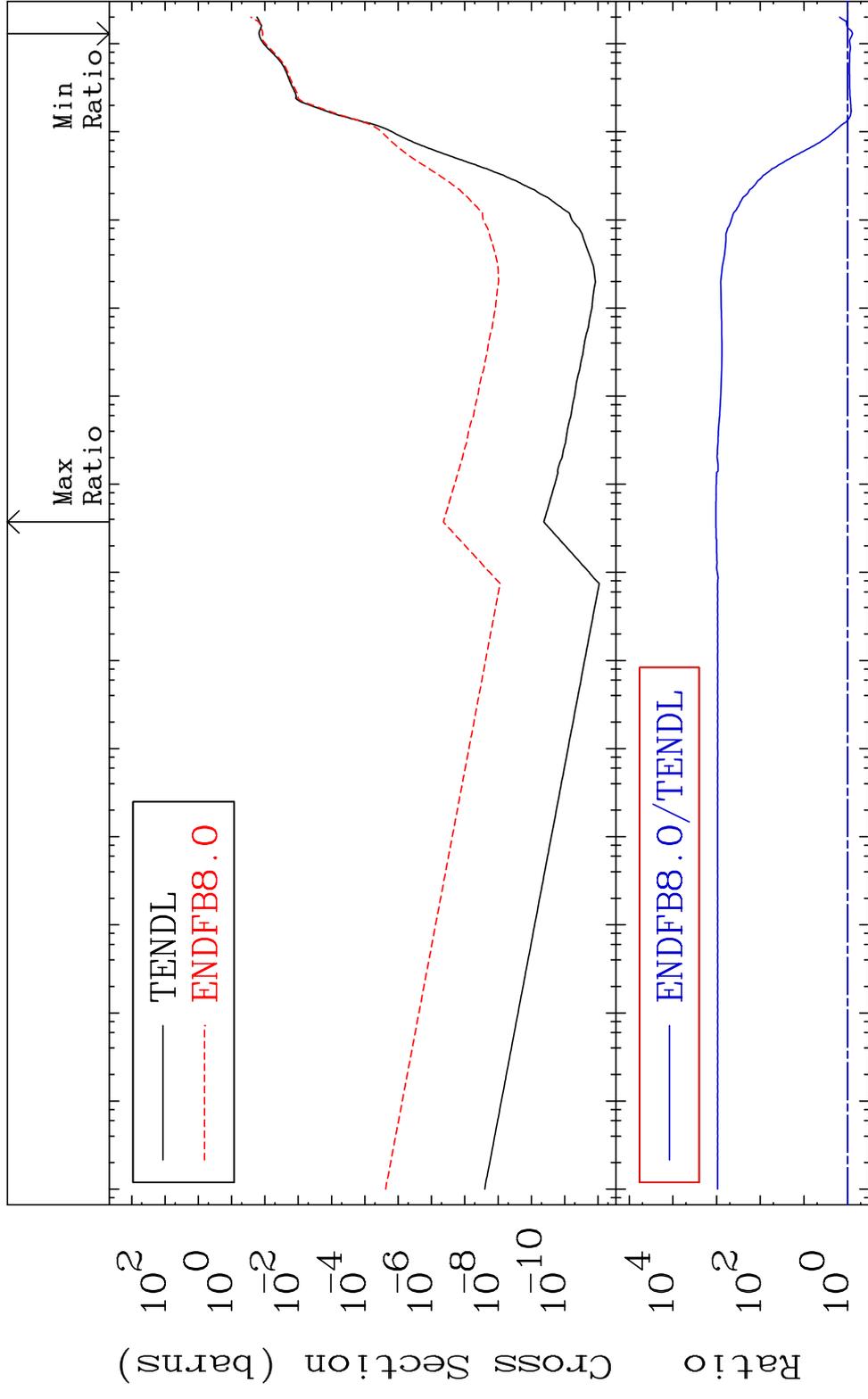


MAT 8228

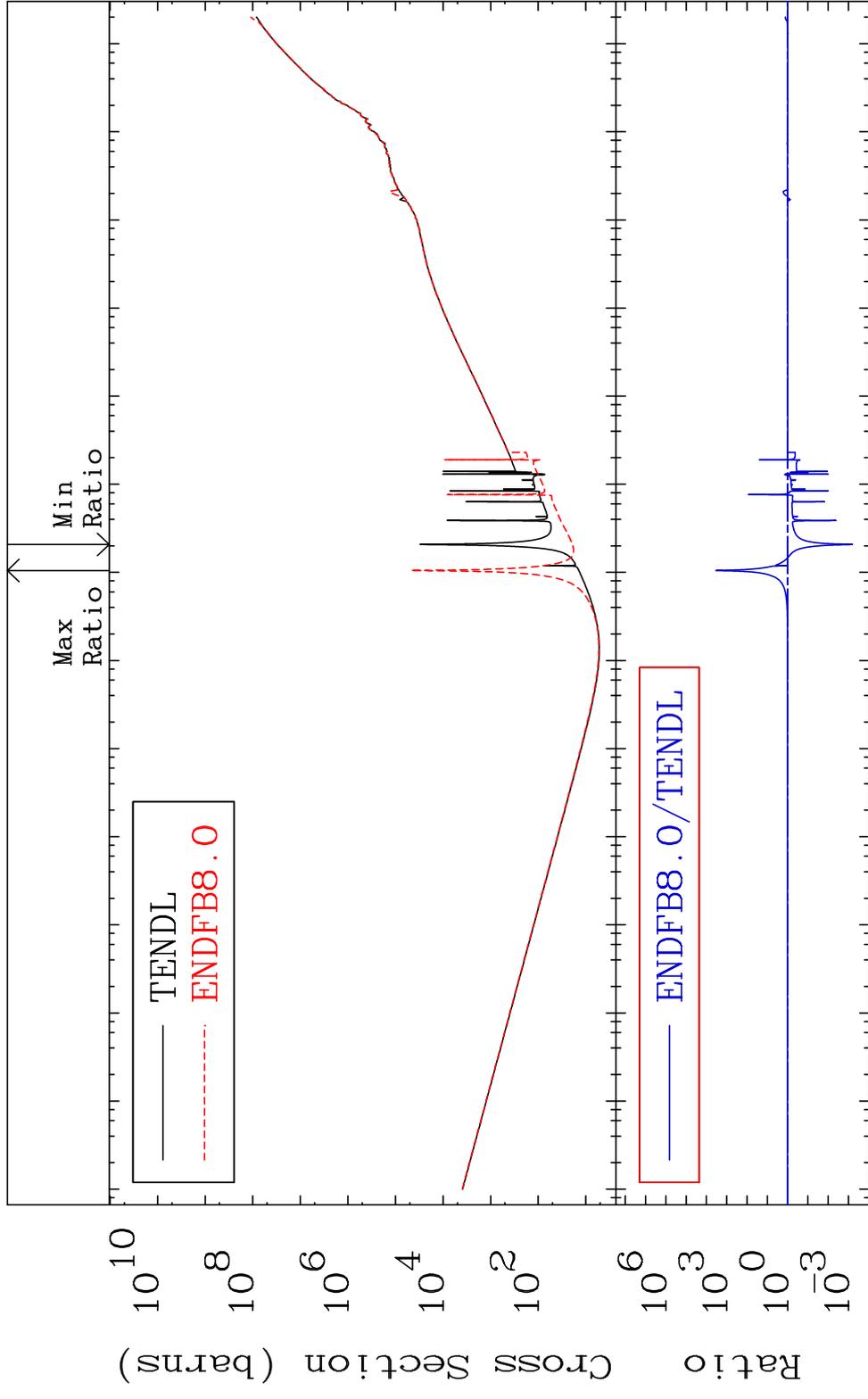
He-4 Production

82-Pb-205

Cross Section -22.73 To 9999. %



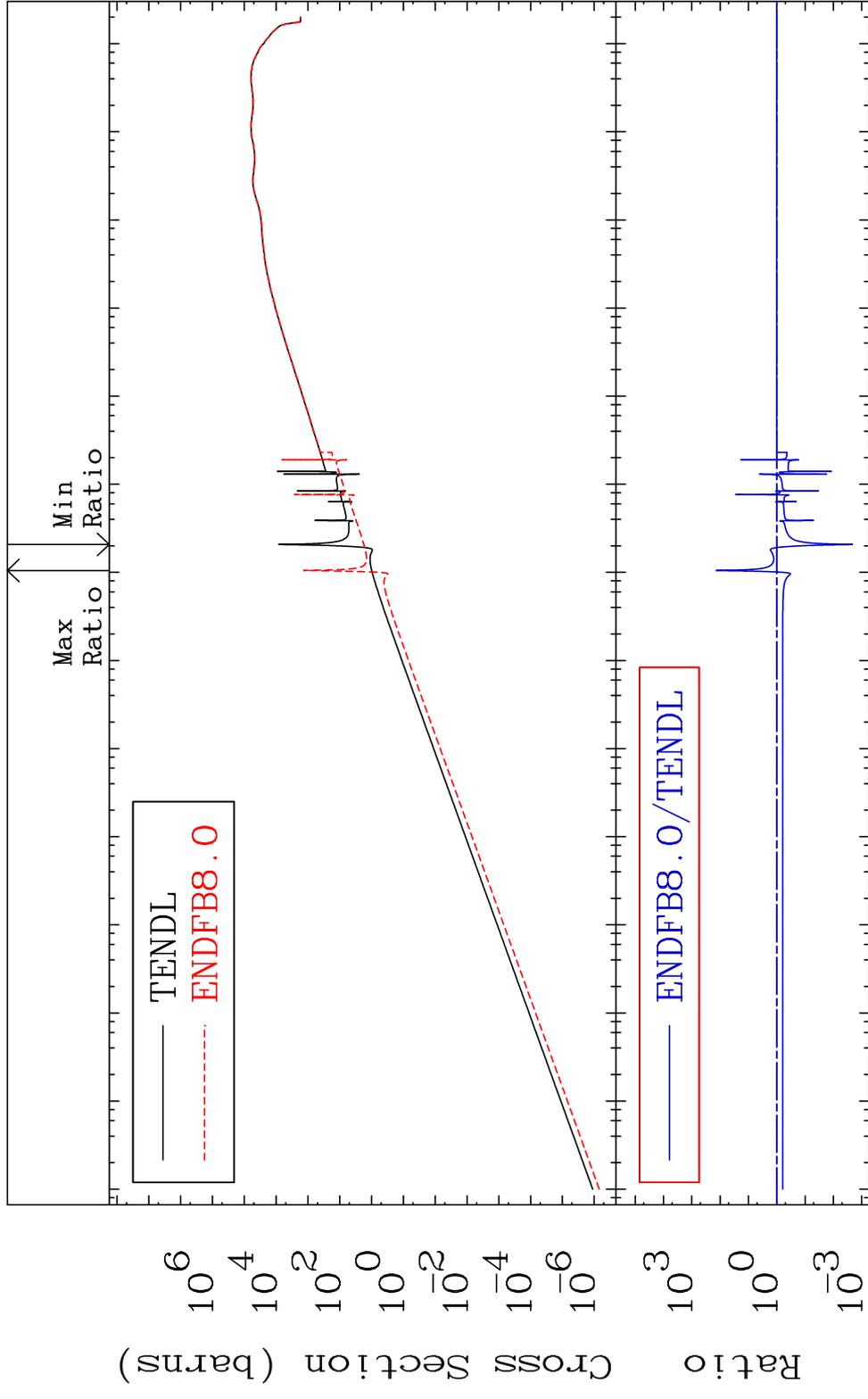
MAT 8228 Kerma total (eV-barns) 82-Pb-205
 Cross Section -99.94 To 9999. %



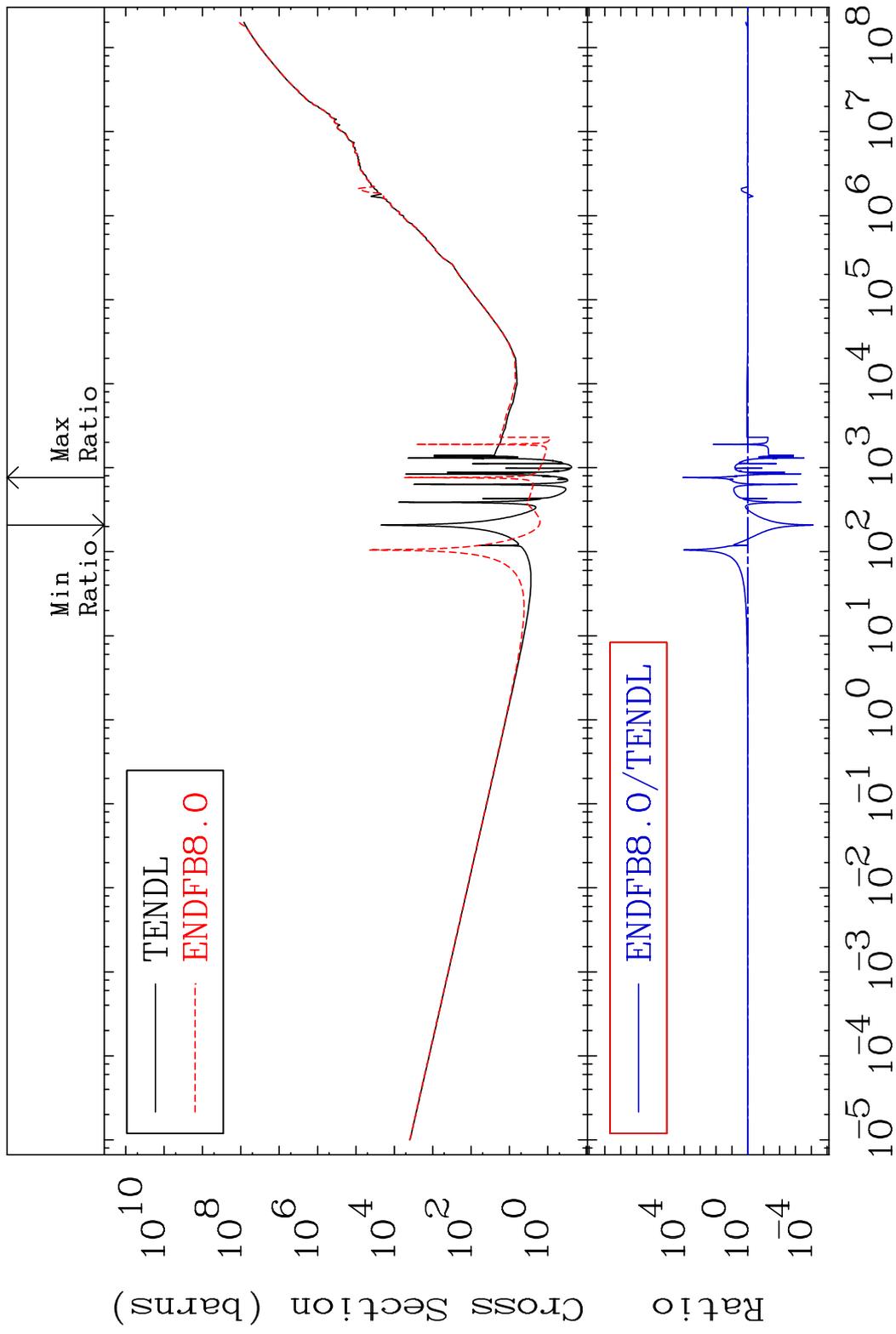
MAT 8228

Kerma elastic
Cross Section

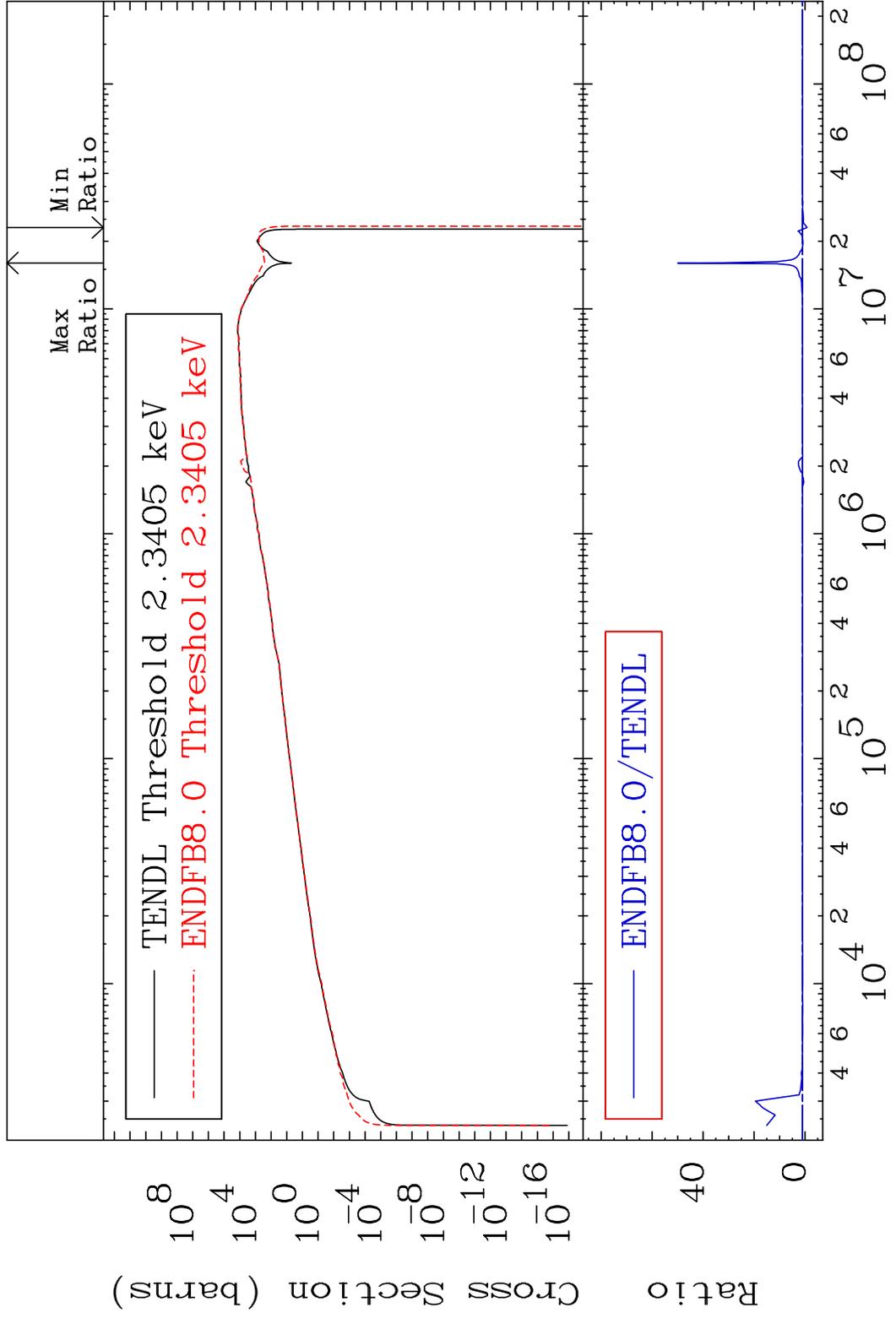
82-Pb-205
-99.79 To 9999. %



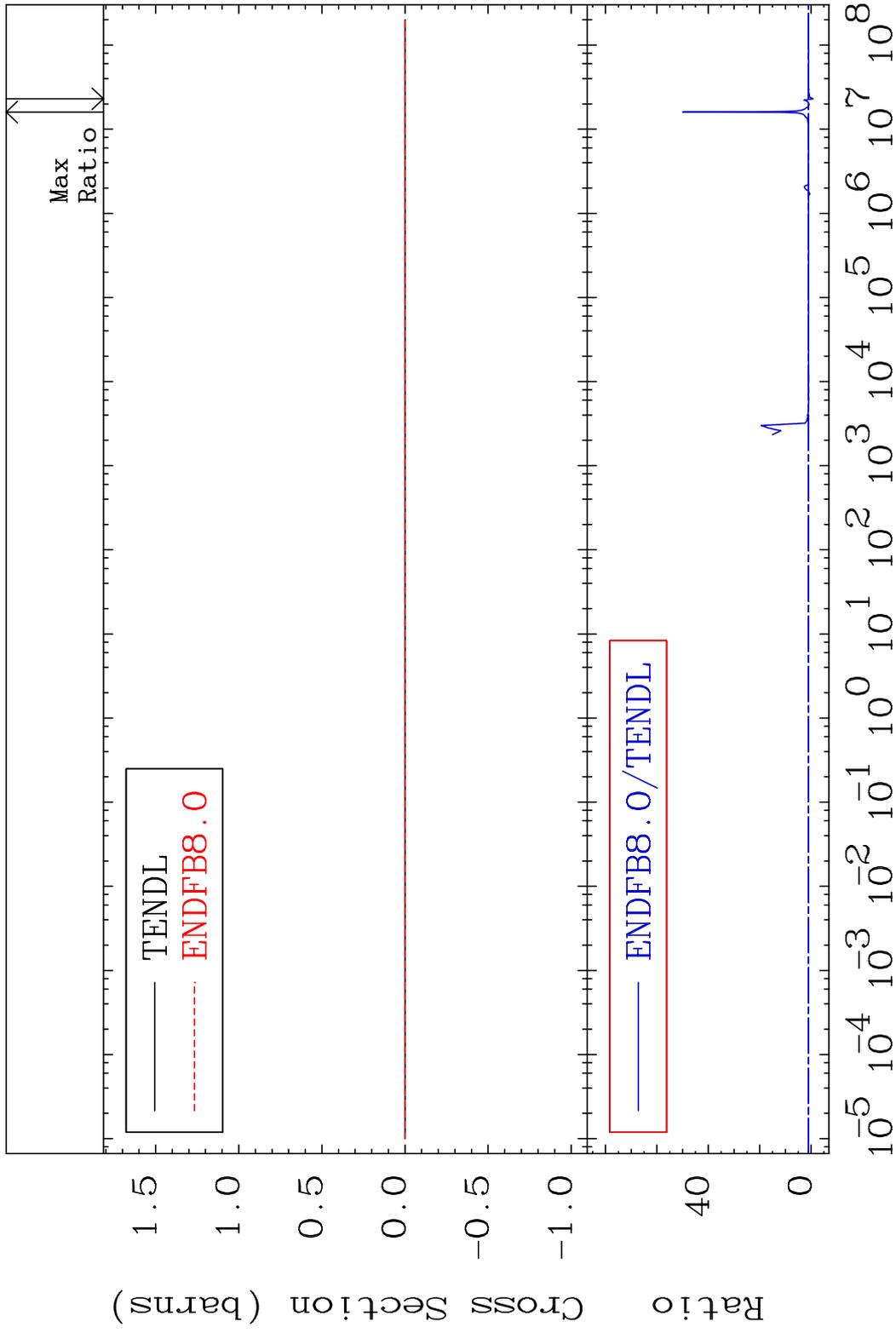
MAT 8228 Kerma non-elastic (all but mt2) 82-Pb-205
 Cross Section -99.99 To 9999. %



MAT 8228 Kerma inelastic (mt51-91) 82-Pb-205
 Cross Section -177.7 To 4900. %

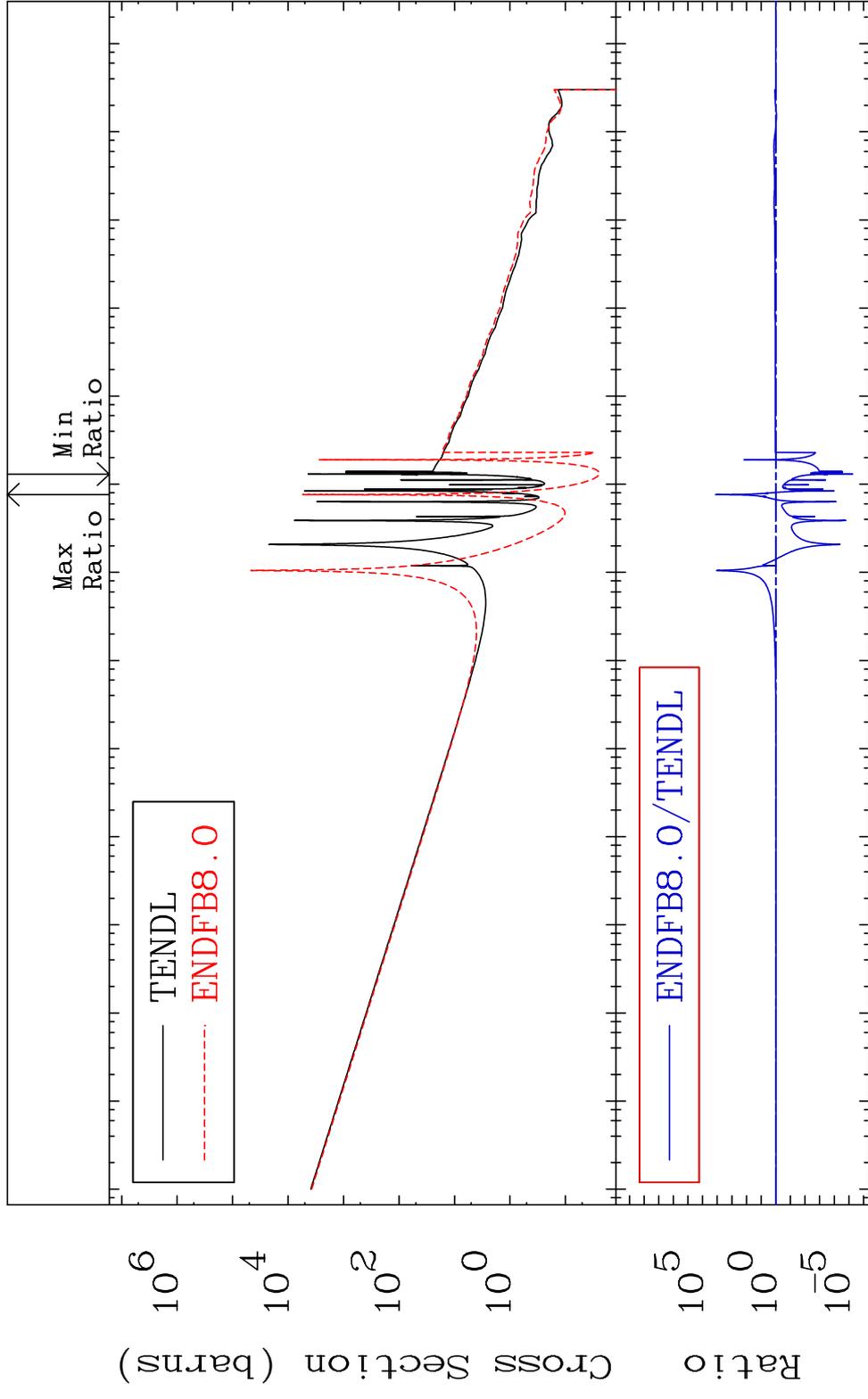


MAT 8228 Kerma fission (mt18 or mt19-20-21-38) β 2-Pb-205
 Cross Section -177.7 To 4900. %



MAT 8228

Kerma capture (mt102) 82-Pb-205
Cross Section -100.0 To 9999. %

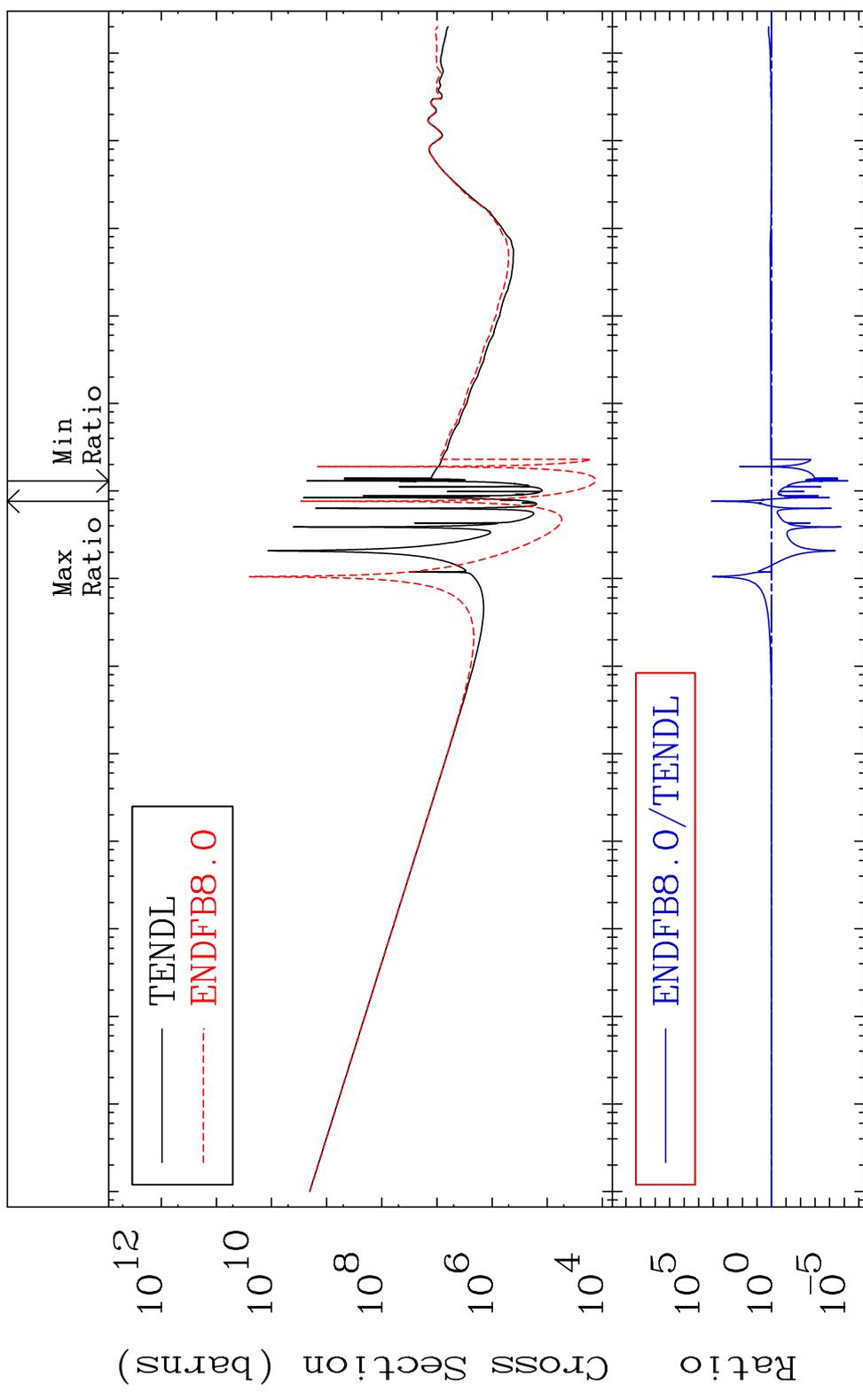


MAT 8228

Total photon (eV-barns)

82-Pb-205

Cross Section -100.0 To 9999. %

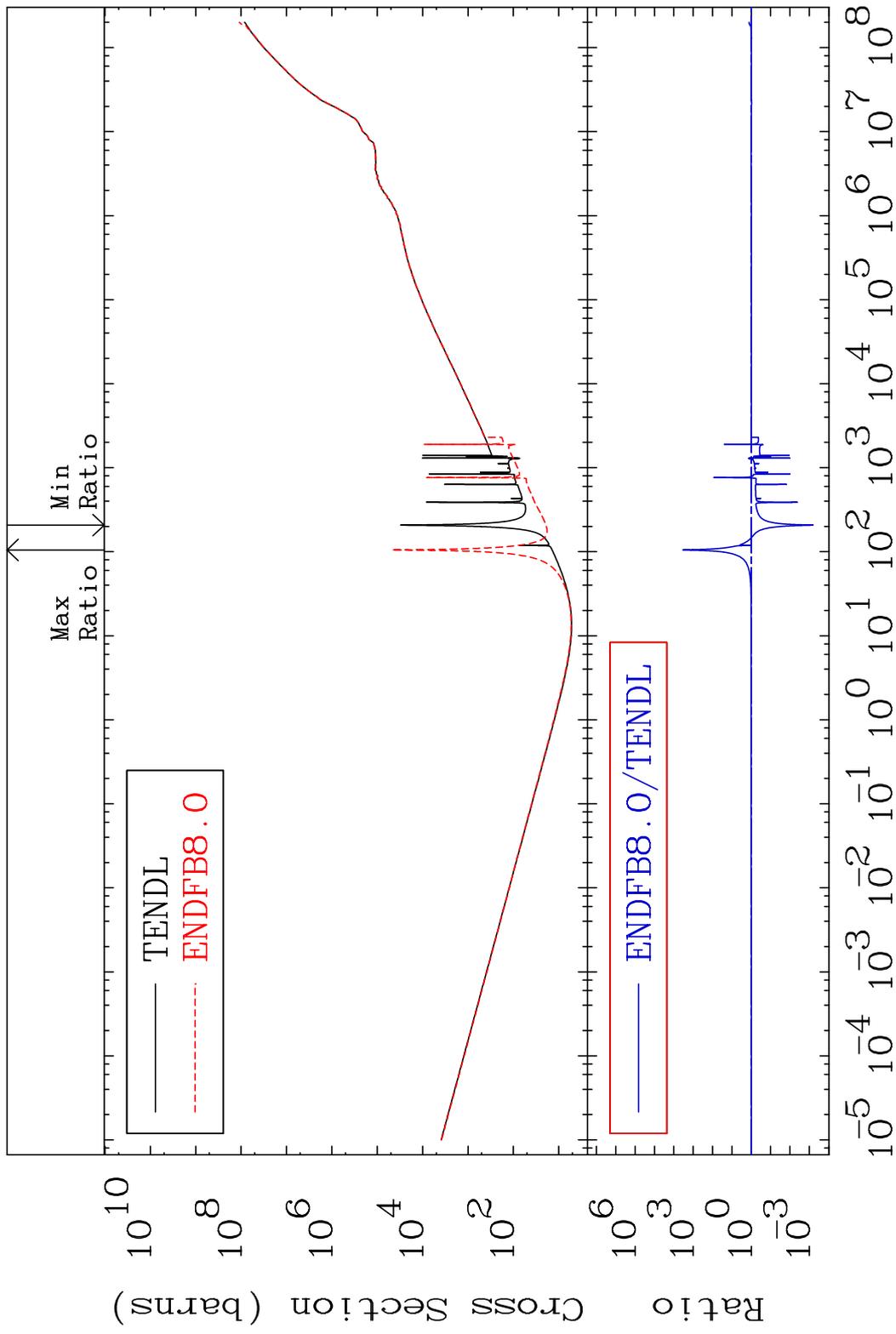


59

Incident Energy (eV)

82-Pb-205

MAT 8228 Total kinematic kerma (high limit) 82-Pb-205
 Cross Section -99.94 To 9999. %

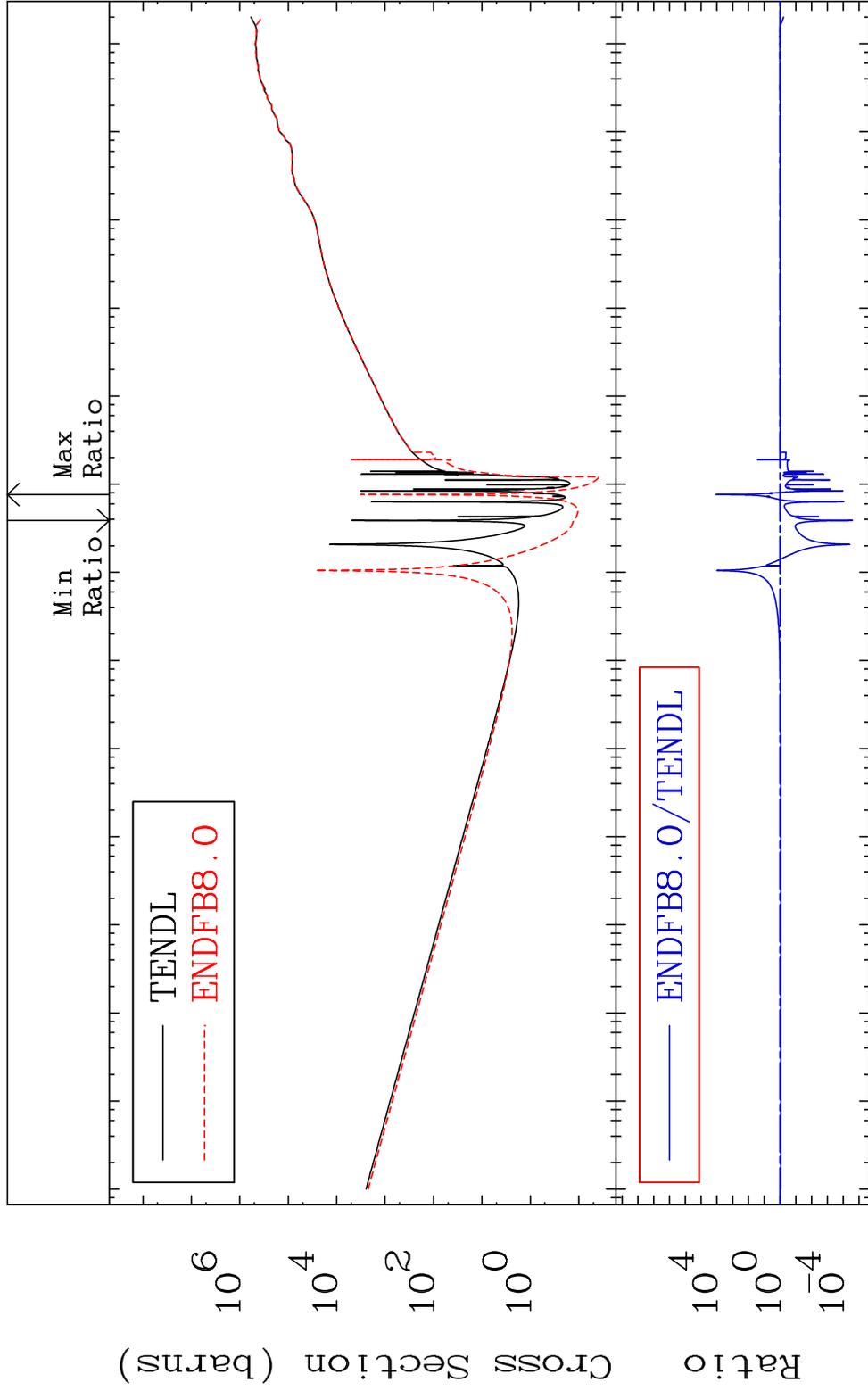


MAT 8228

Dpa total (eV-barns)

82-Pb-205

Cross Section -100.0 To 9999. %



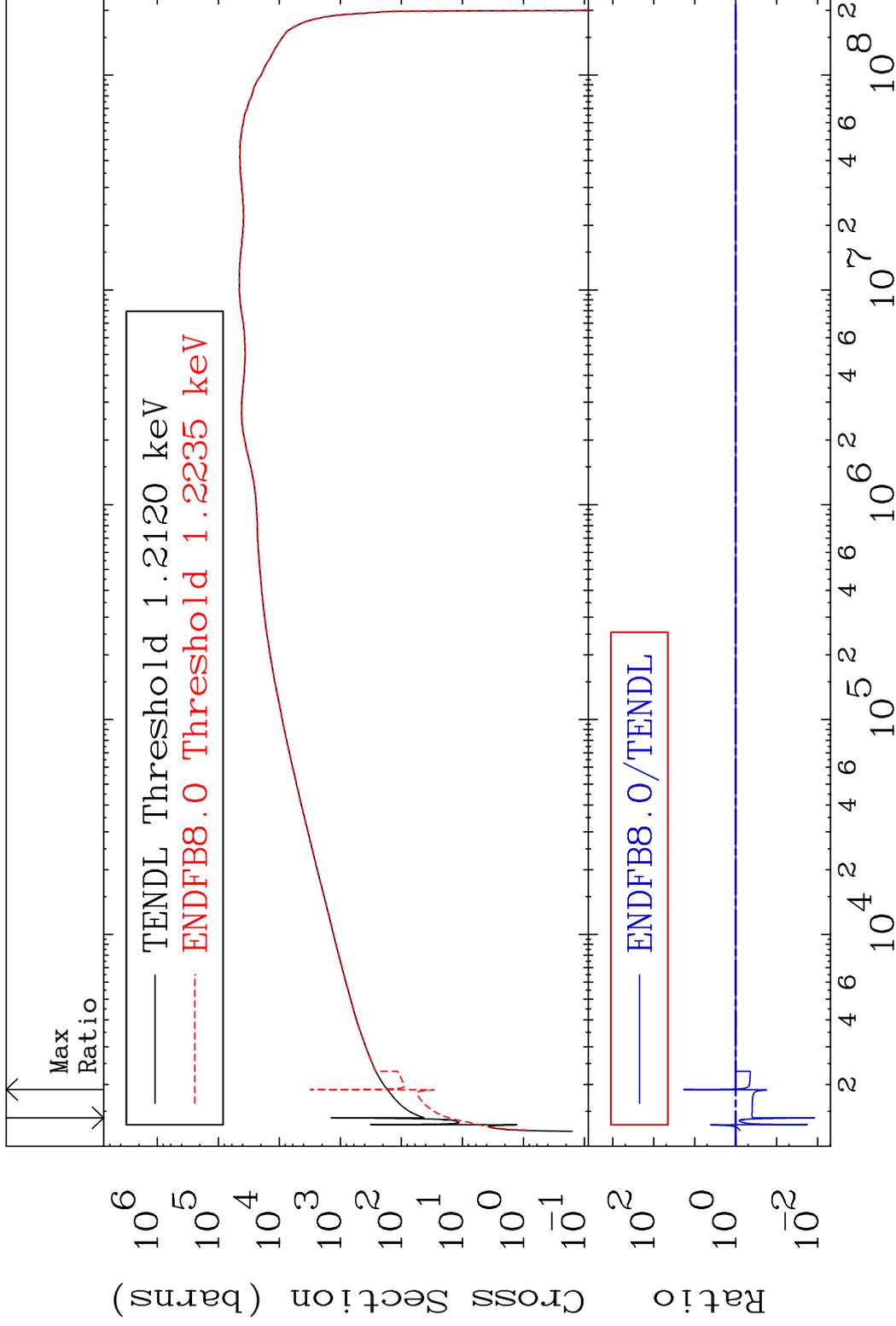
MAT 8228

Dpa elastic (mt2)

82-Pb-205

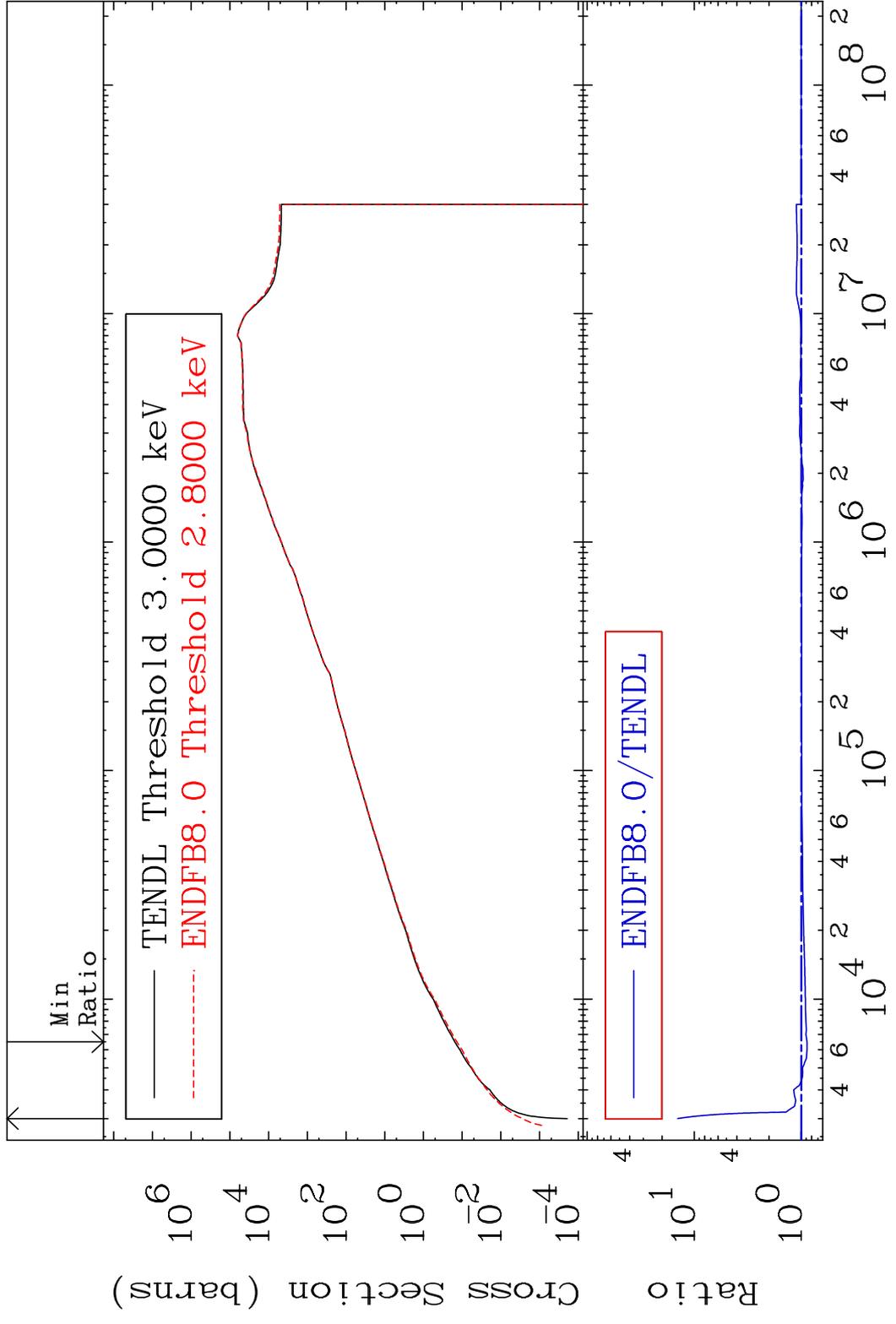
Cross Section

-98.82 To 1732. %

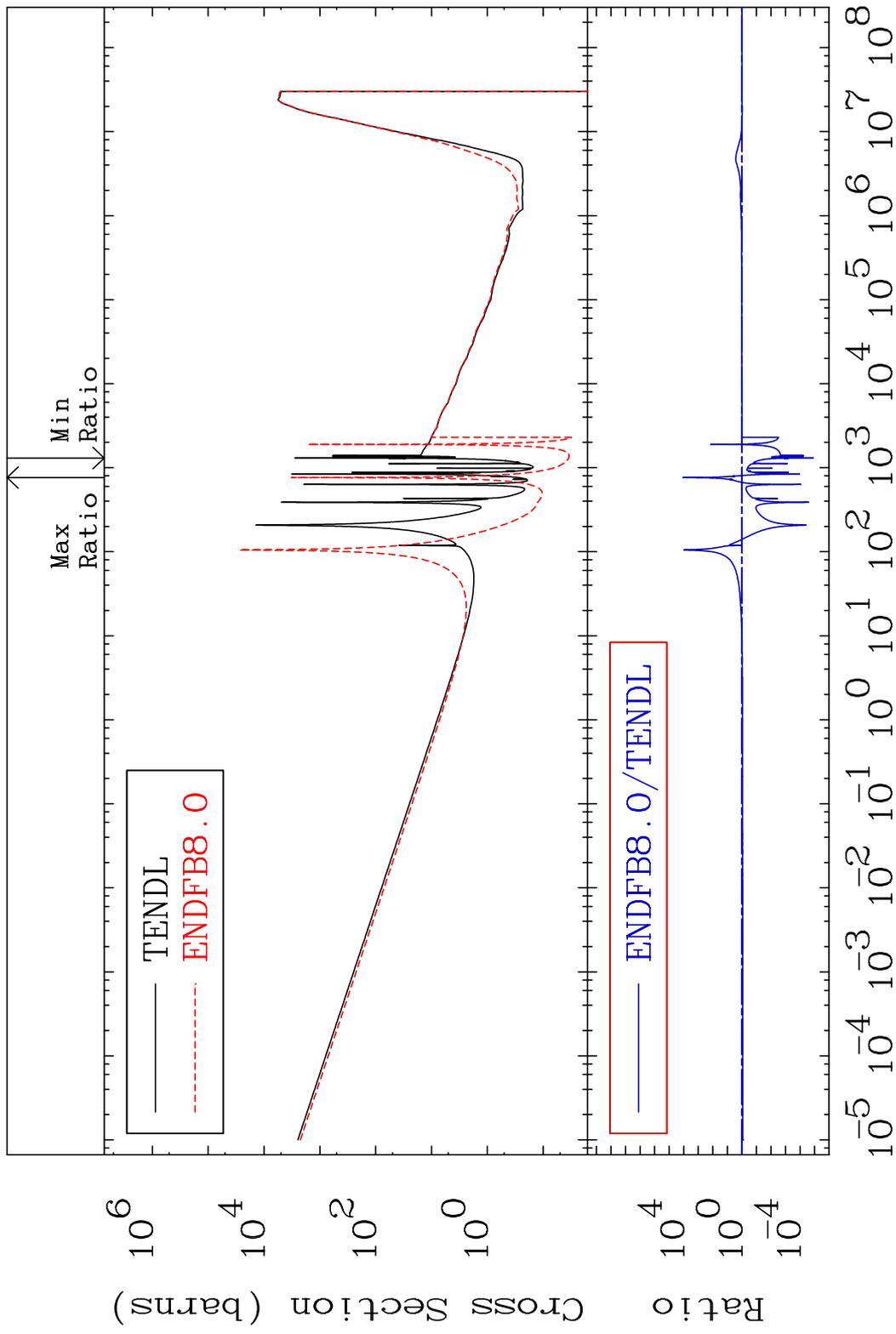


MAT 8228

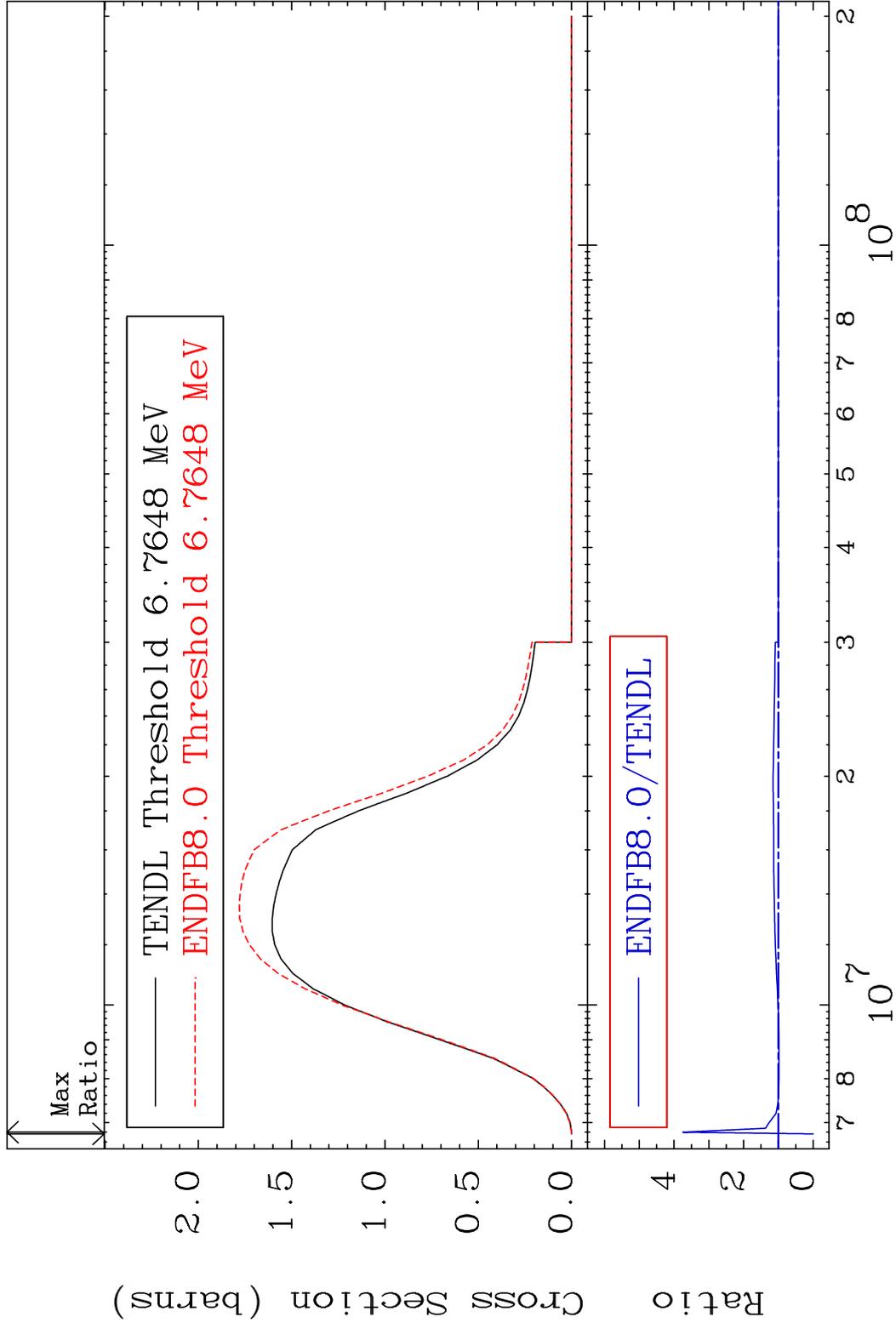
Dpa inelastic (mt51-91) 82-Pb-205
Cross Section -11.60 To 1328. %



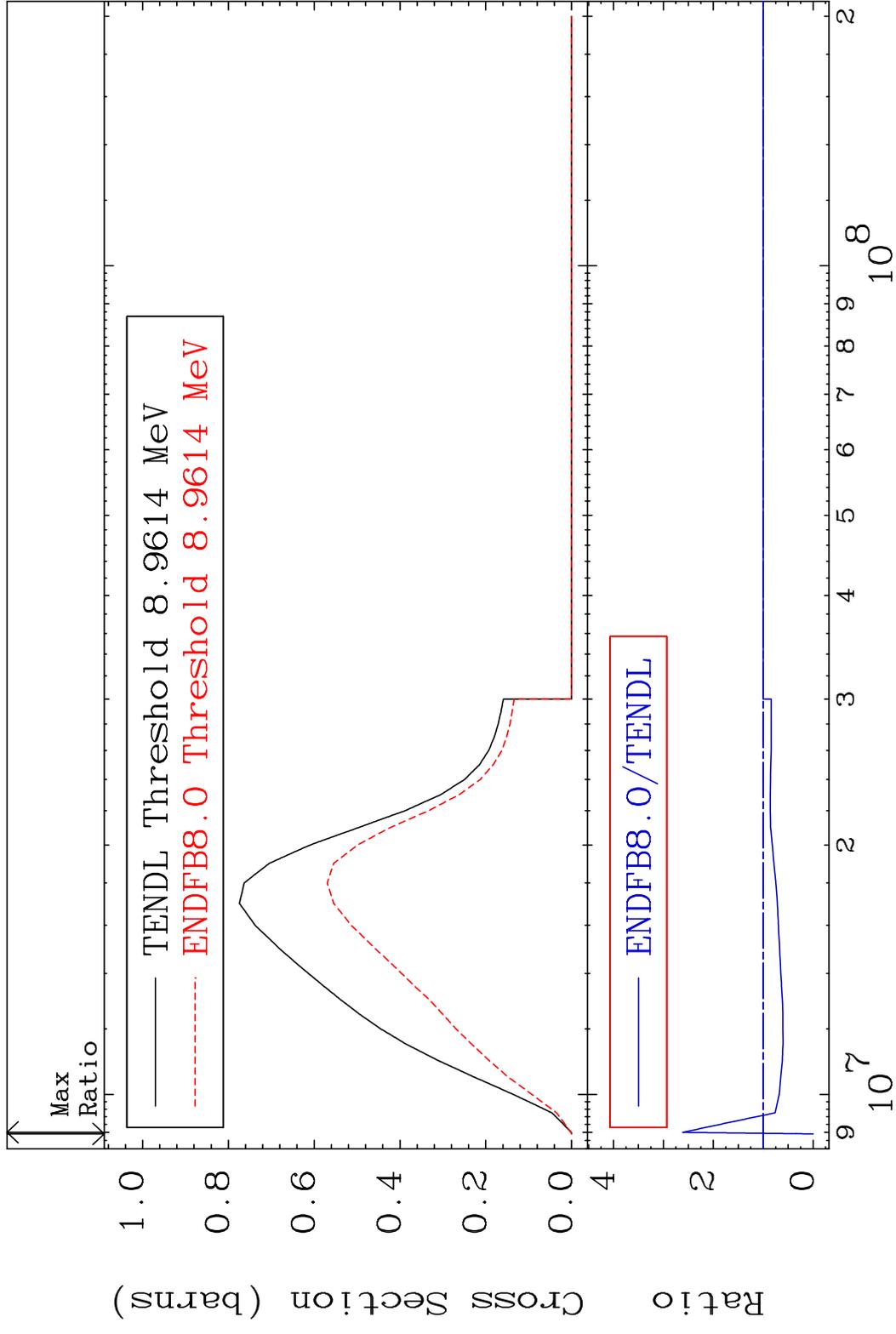
MAT 8228 Dpa disappearance (mt102 -120) 82-Pb-205
 Cross Section -100.0 To 9999. %



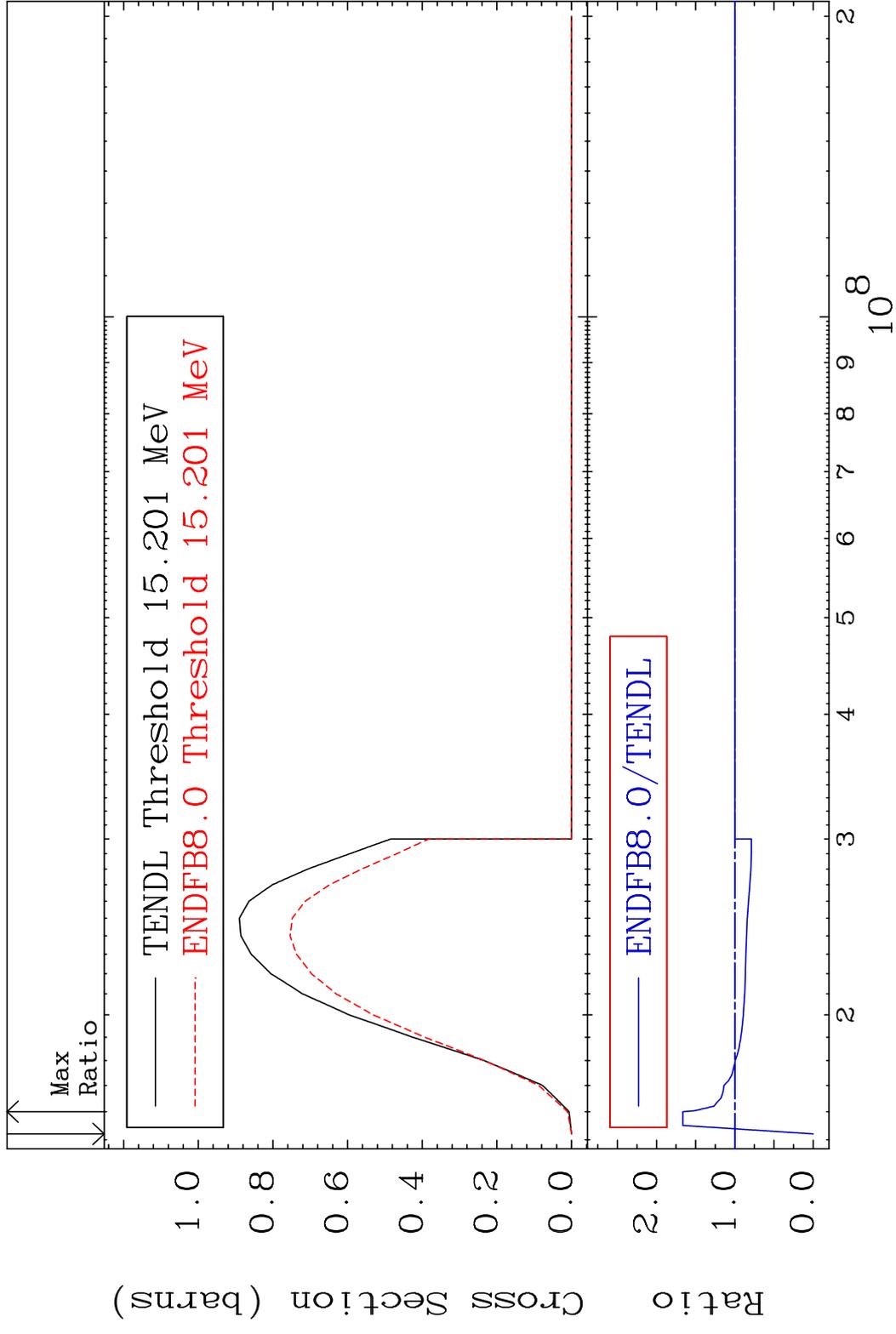
MAT 8228 (n,2n):82-Pb-204g 82-Pb-205
 Radionuclide Production Cross Section 180.0 dth 274.7 %



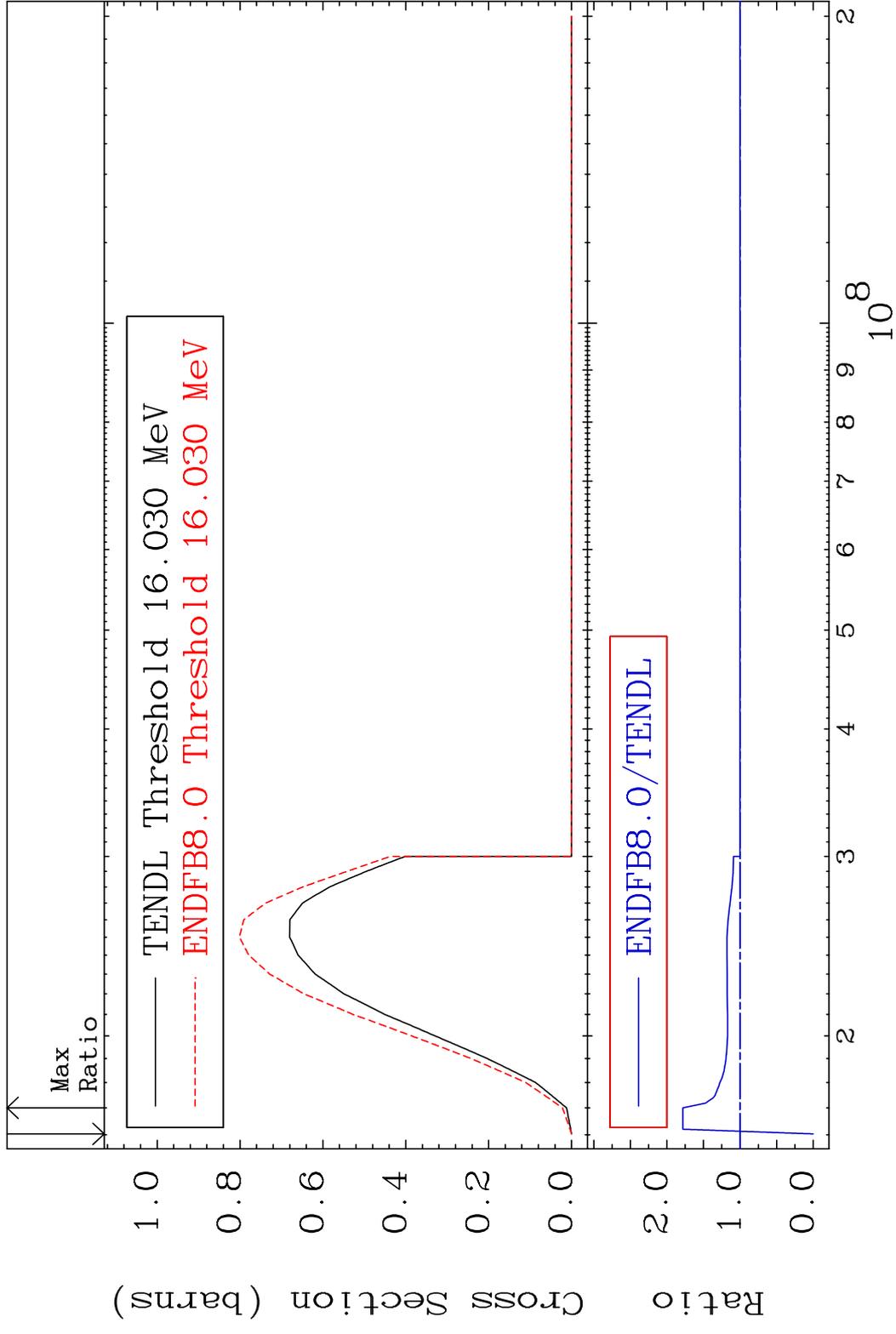
MAT 8228 (n,2n):82-Pb-204m21 82-Pb-205
 Radionuclide Production Cross Section 180.0 dth 161.0 %



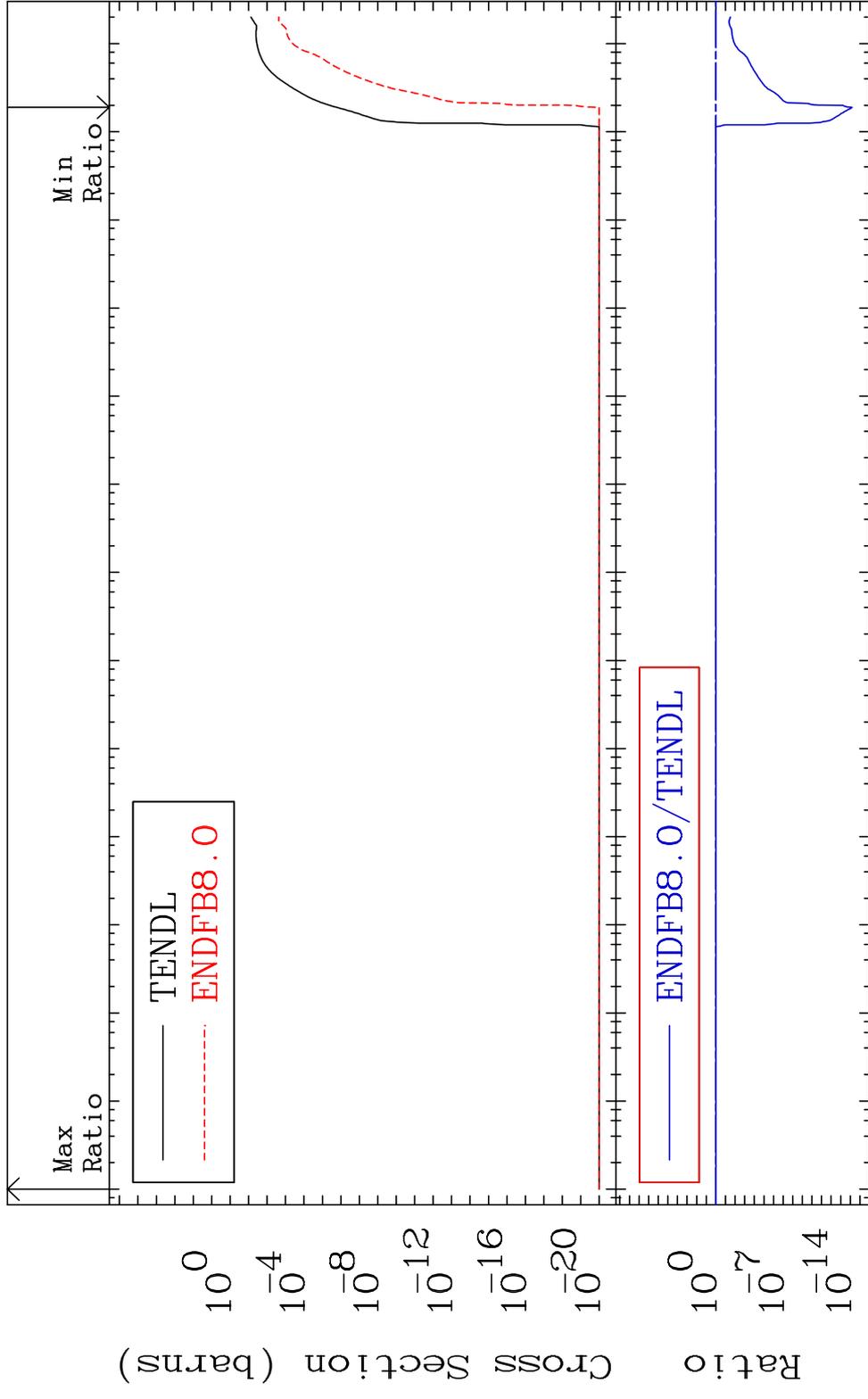
MAT 8228 (n,3n):82-Pb-203g 82-Pb-205
 Radionuclide Production Cross Section Ratio 66.42 %



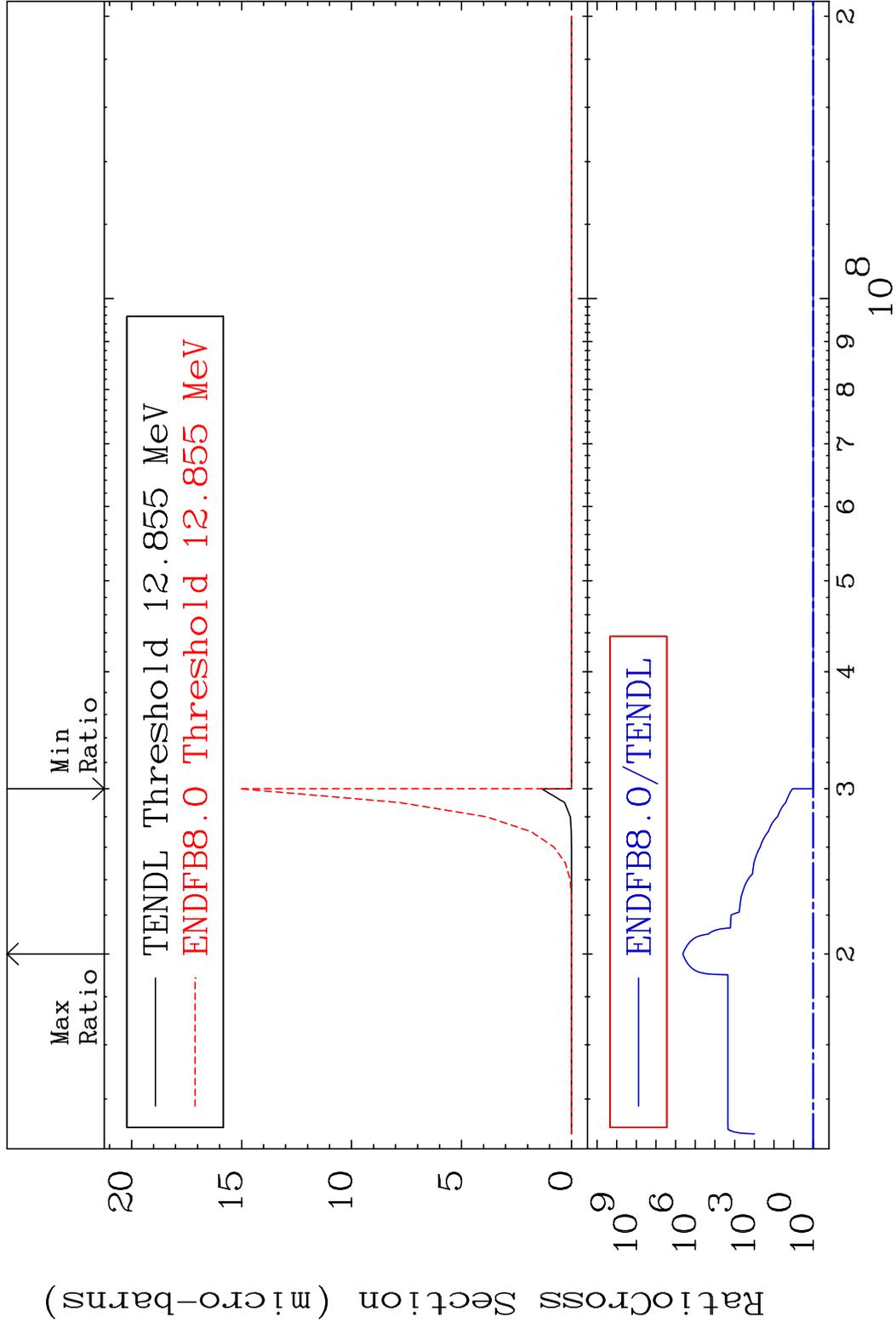
MAT 8228 (n, 3n): 82-Pb-203m6 82-Pb-205
 Radionuclide Production Cross Section Ratio 78.23 %

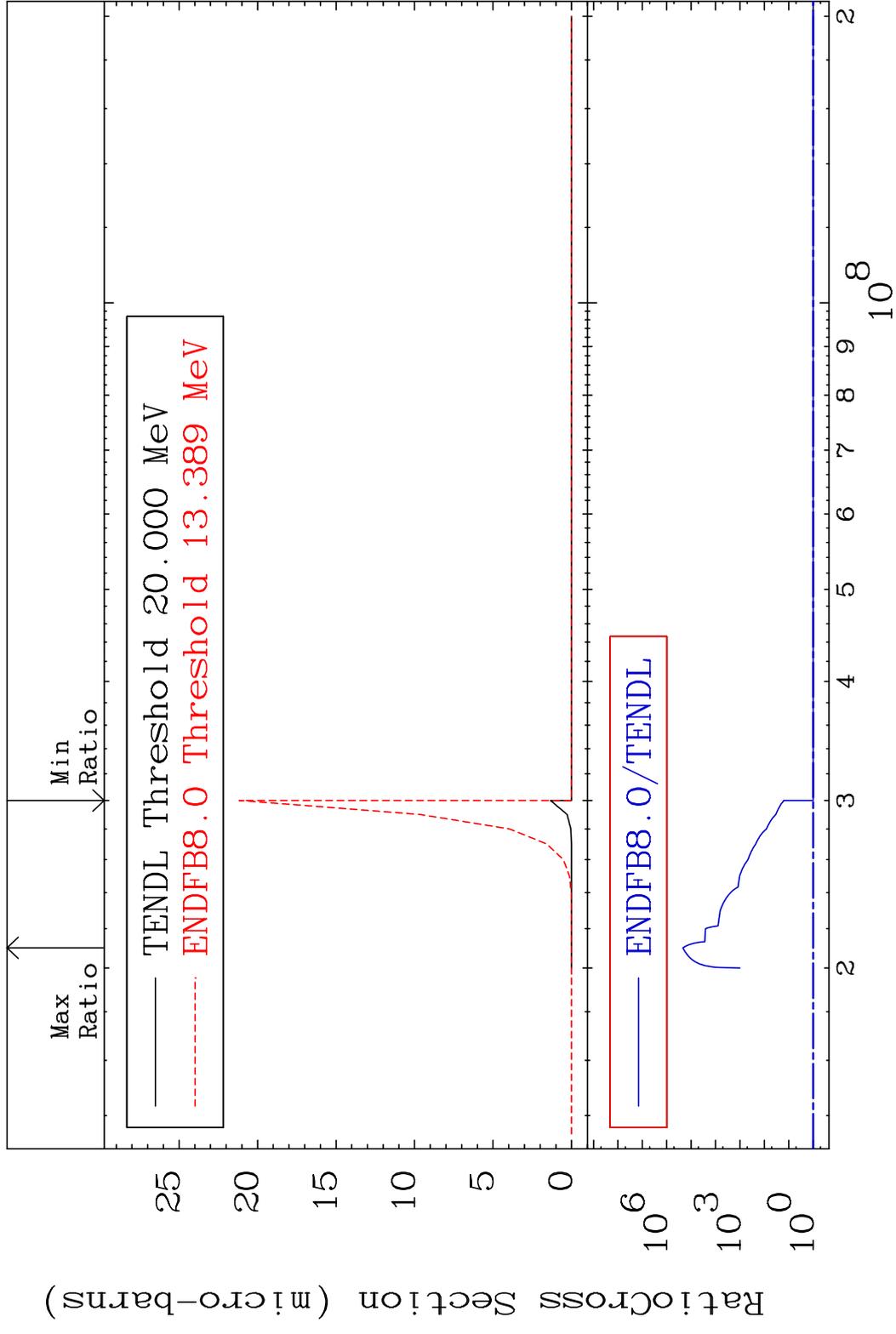


MAT 8228 Fission:0-??-Nat 82-Pb-205
 Radionuclide Production Cross Section 0.000 %

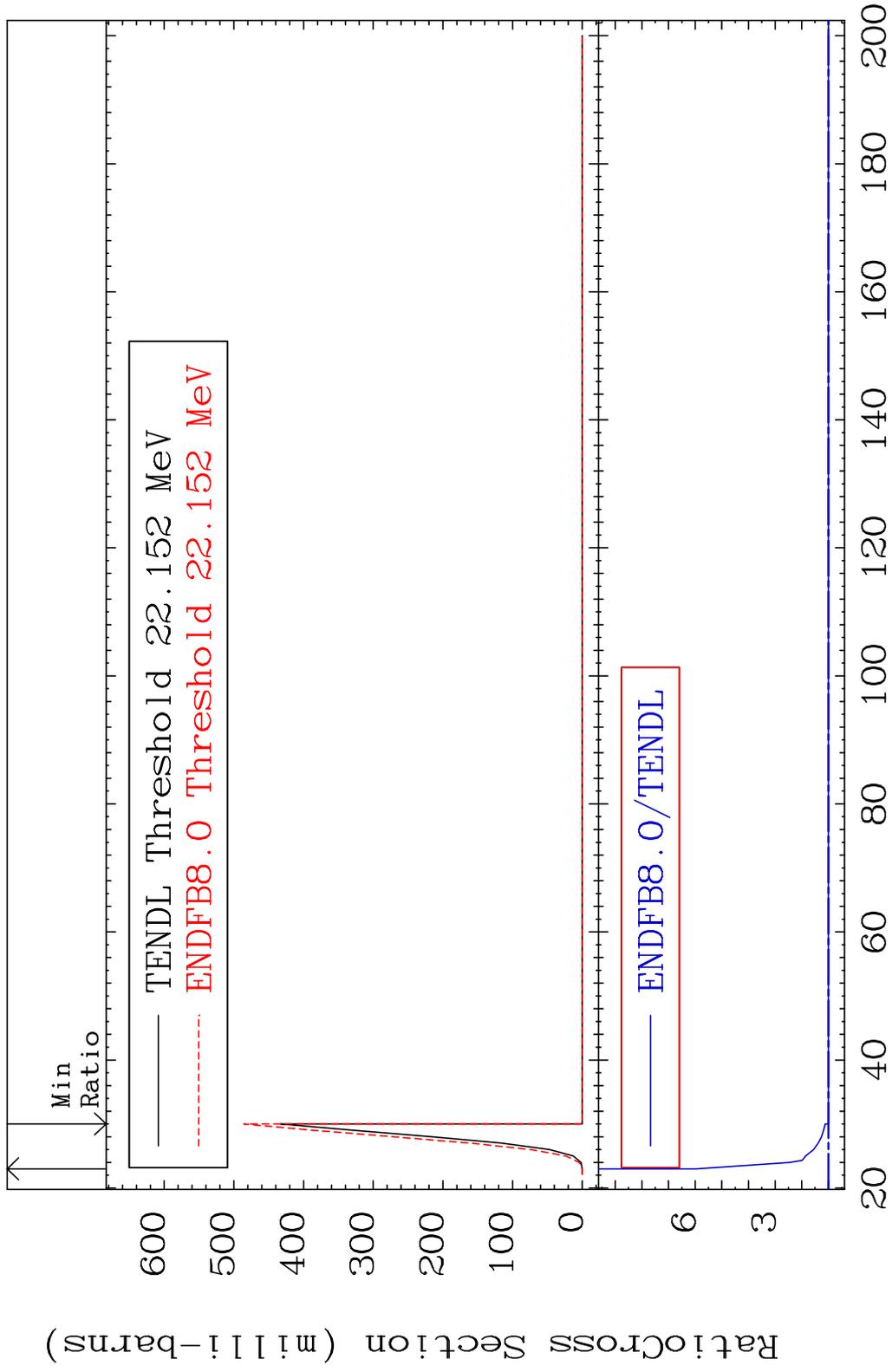


69 Incident Energy (eV) 82-Pb-205





MAT 8228 (n,4n):82-Pb-202g 82-Pb-205
 Radionuclide Production Cross Section 498.3 %



72 82-Pb-205

MAT 8228 (n, 4n): 82-Pb-202m14 82-Pb-205
 Radionuclide Production Cross Section 887.5 %

