

Program Complot
(Version 2021-1)

by

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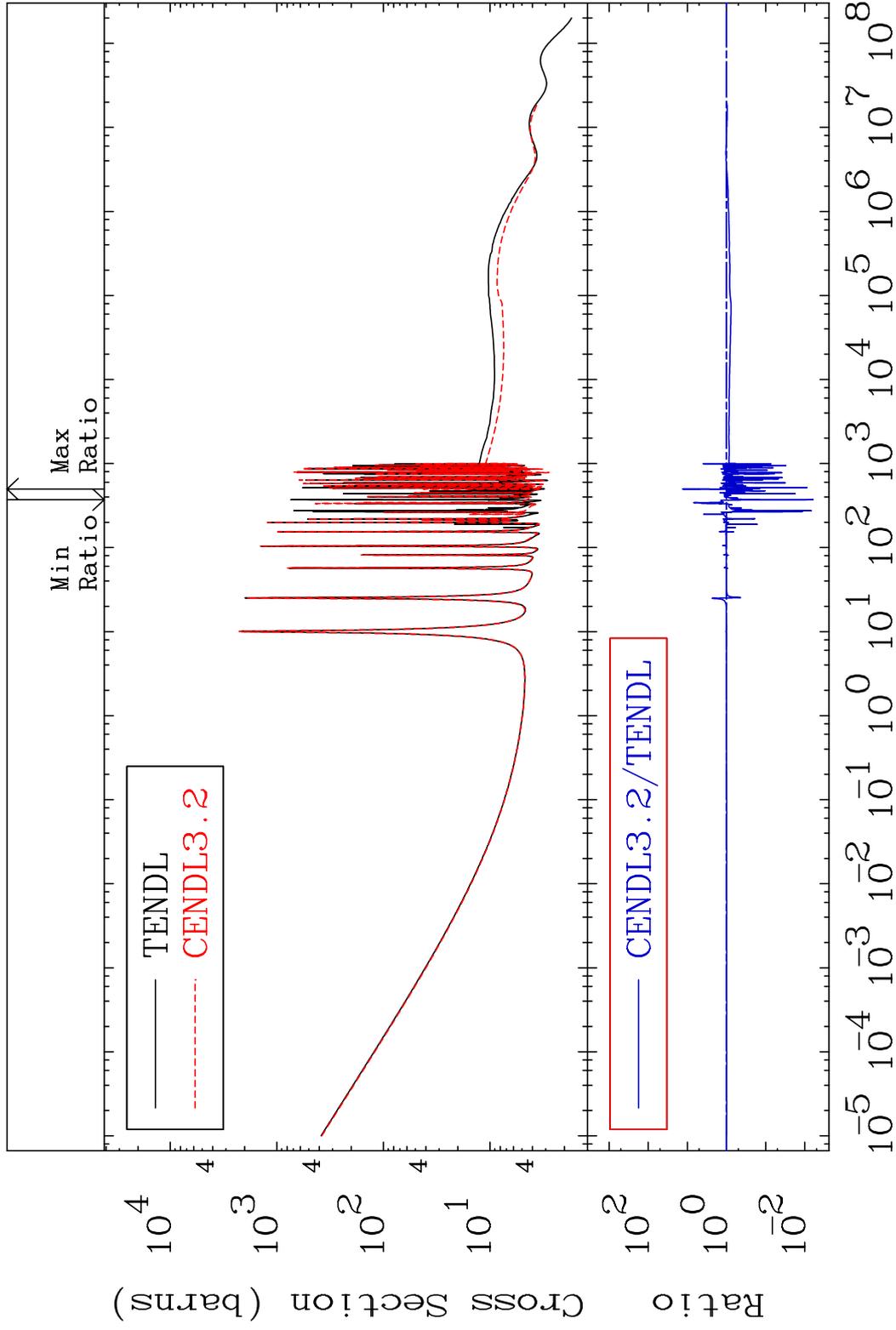
Press Mouse Button to Start

MAT 4434

Total

44-Ru-99

Cross Section -99.39 To 1206. %



1

Incident Energy (eV)

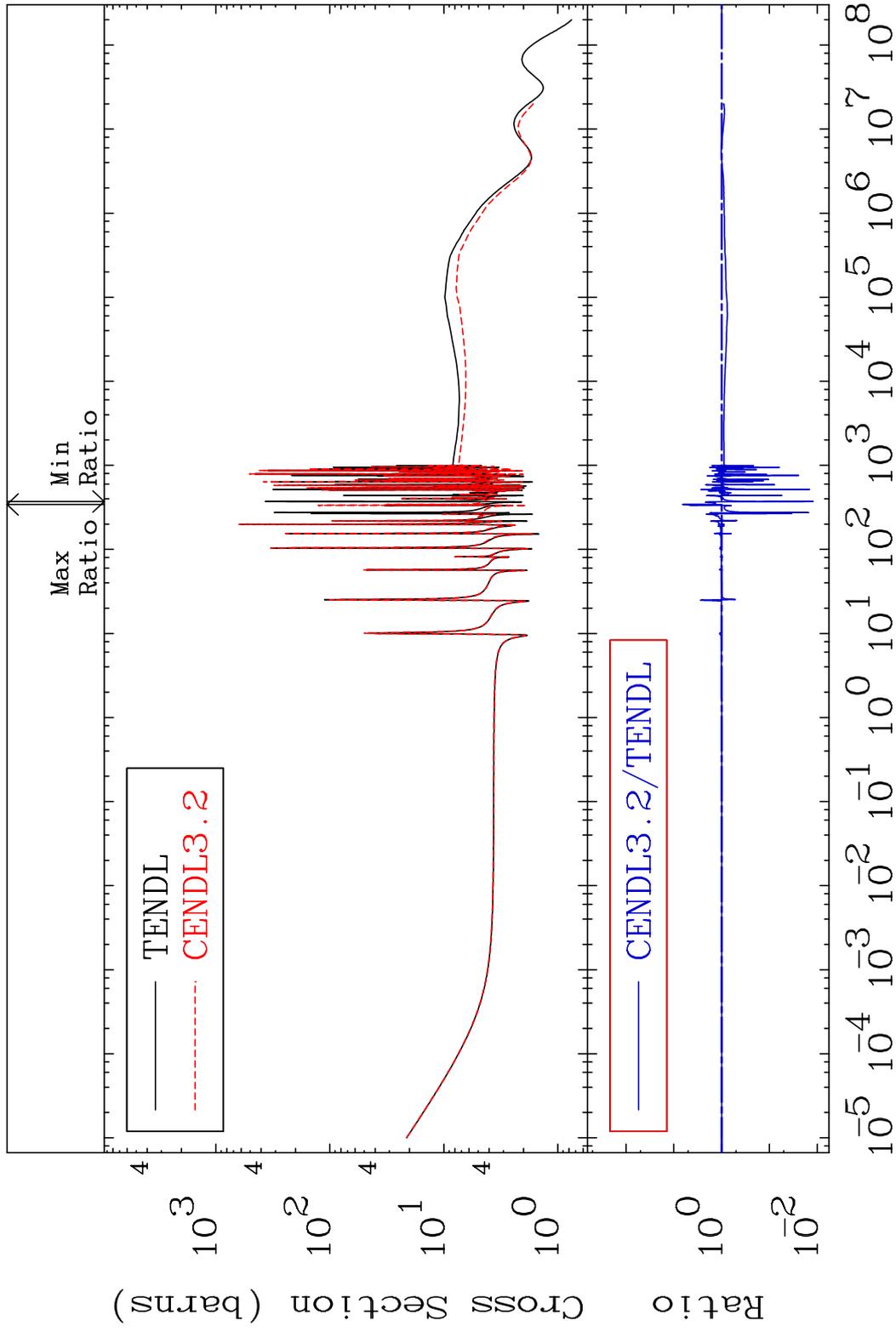
44-Ru-99

MAT 4434

Elastic

44-Ru-99

Cross Section -98.78 To 547.6 %



2

Incident Energy (eV)

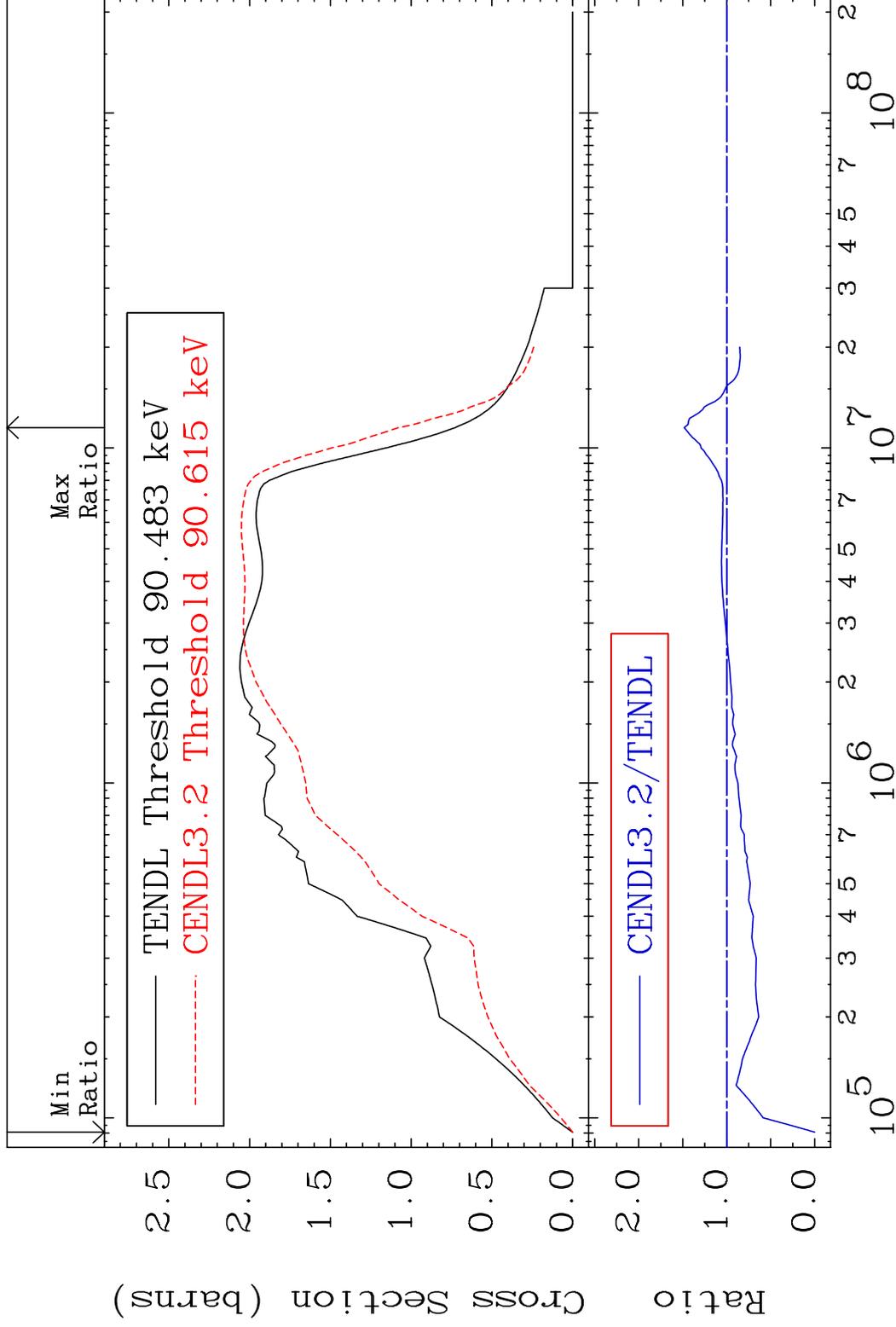
44-Ru-99

MAT 4434

Inelastic

44-Ru-99

Cross Section -100.0 To 48.43 %



3

Incident Energy (eV)

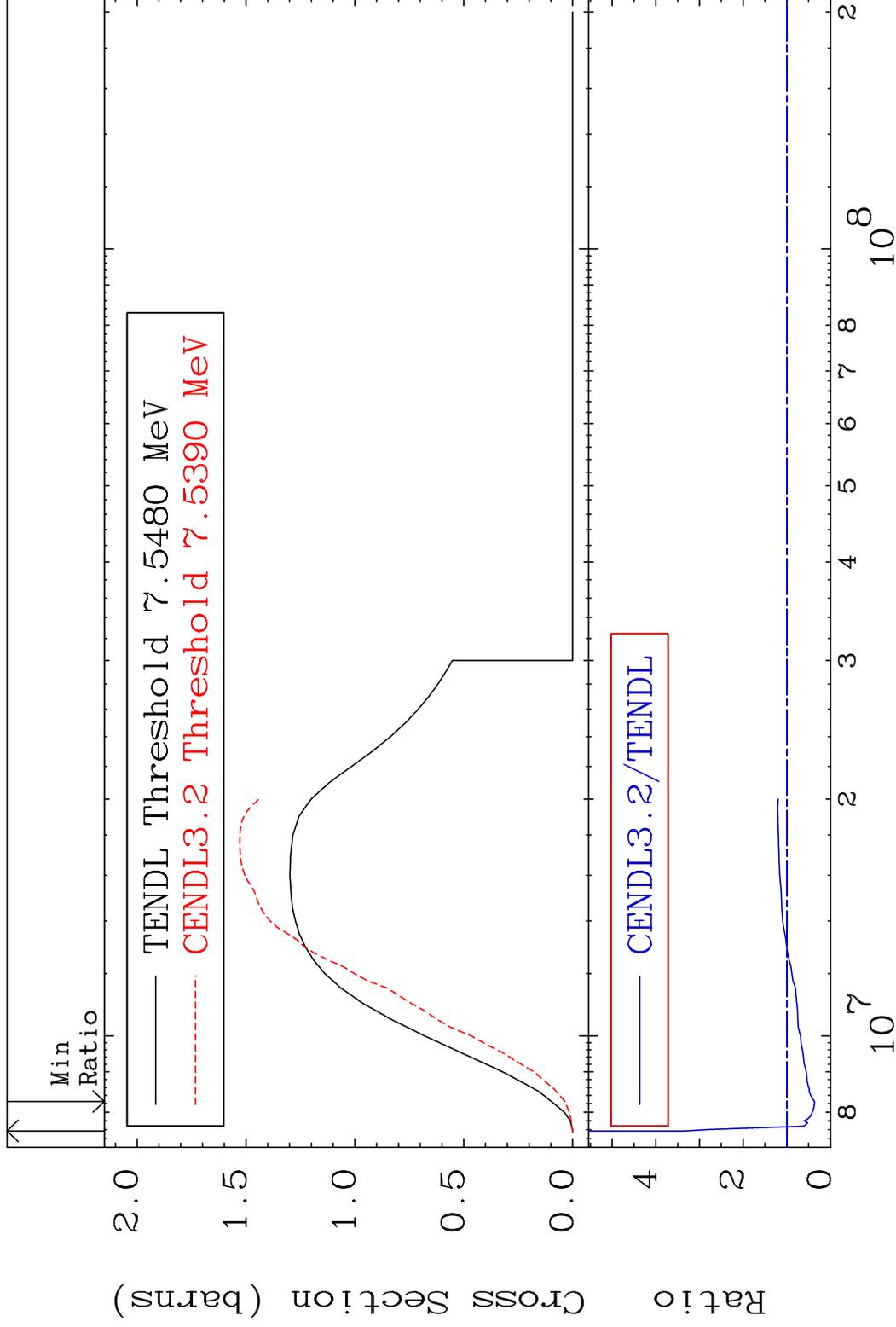
44-Ru-99

MAT 4434

(n,2n)

44-Ru-99

Cross Section -64.04 To 235.2 %



4

Incident Energy (eV)

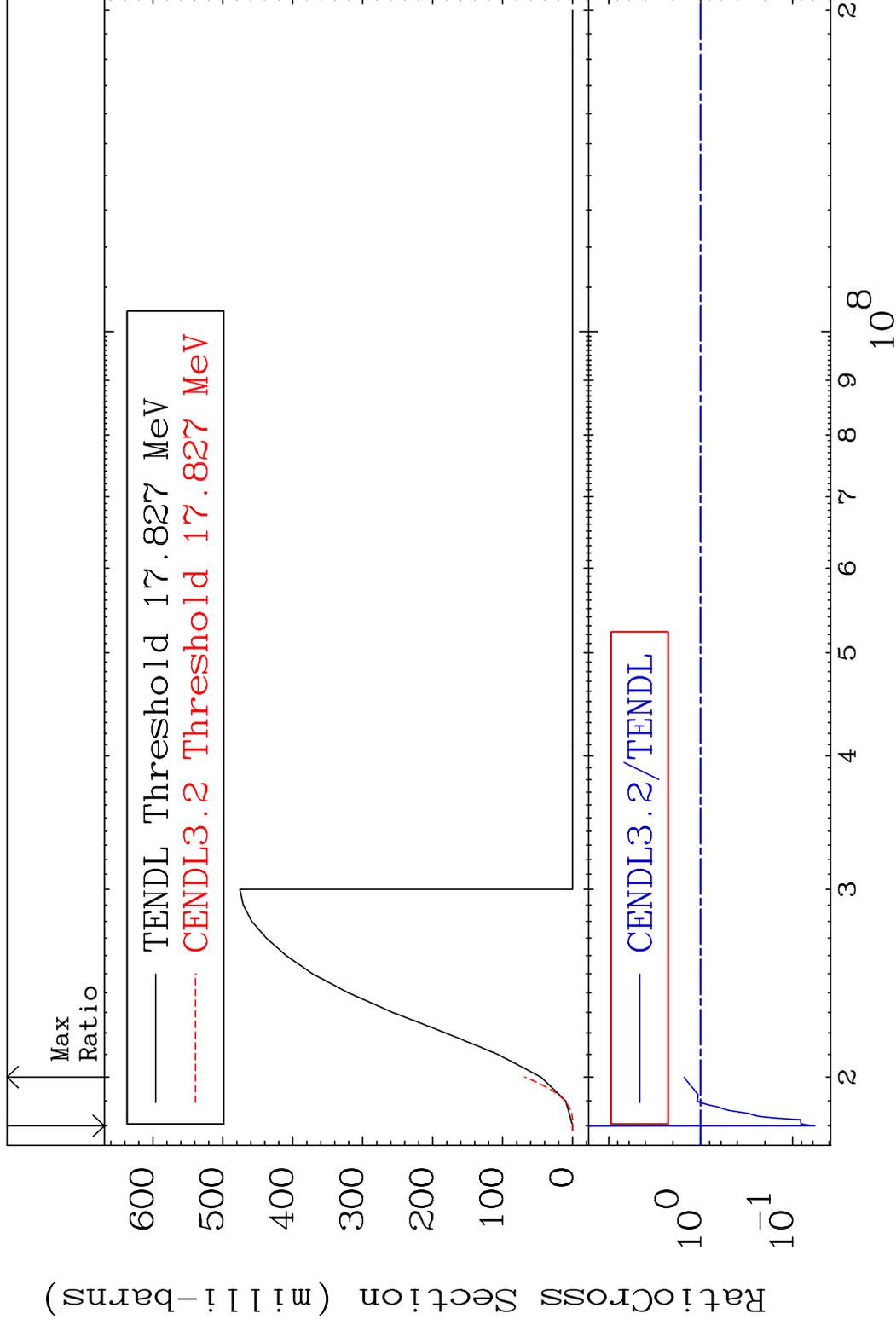
44-Ru-99

MAT 4434

(n,3n)

44-Ru-99

Cross Section -94.27 To 50.92 %

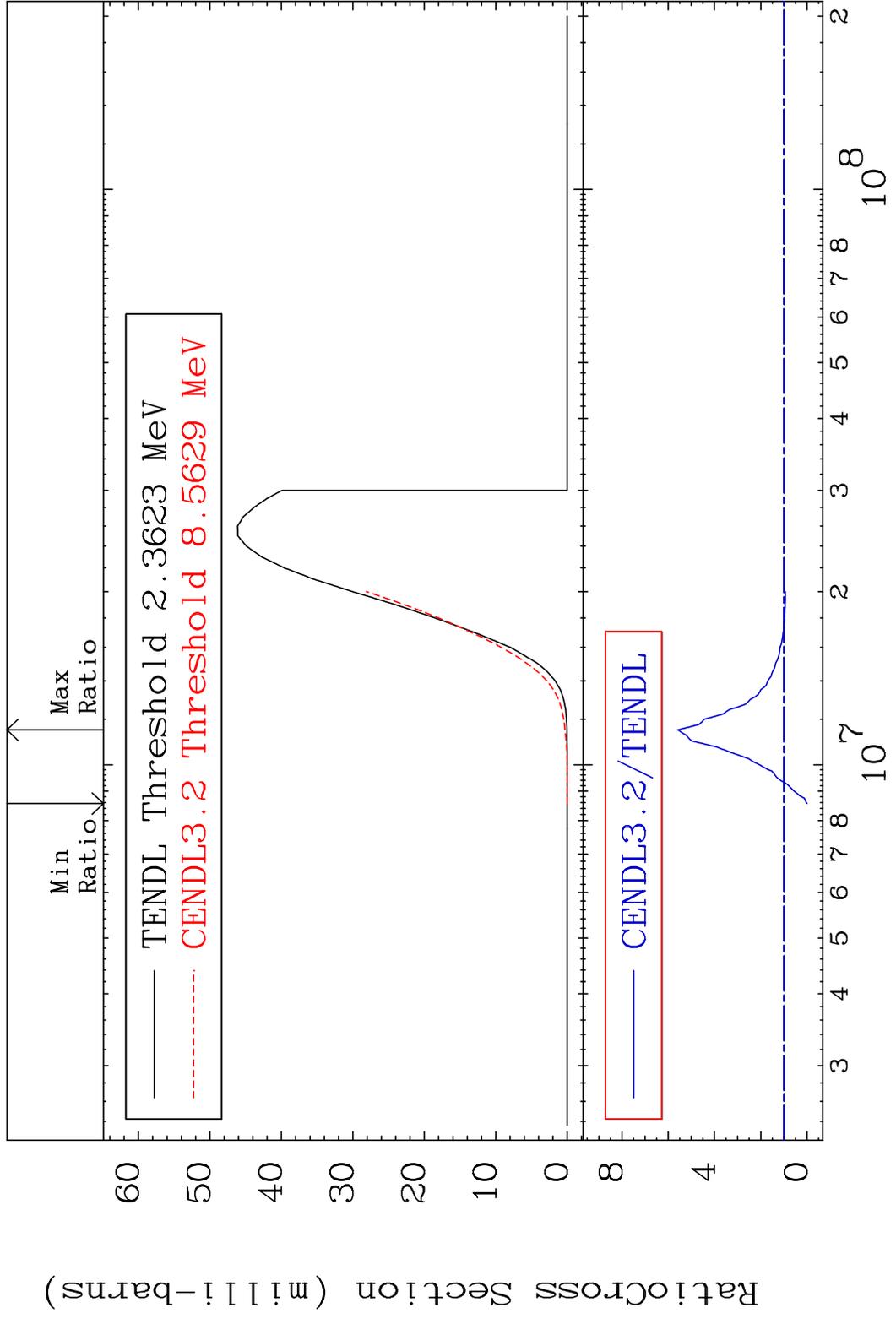


5

Incident Energy (eV)

44-Ru-99

MAT 4434 (n, n') α 44-Ru-99
 Cross Section -100.0 To 459.0 %

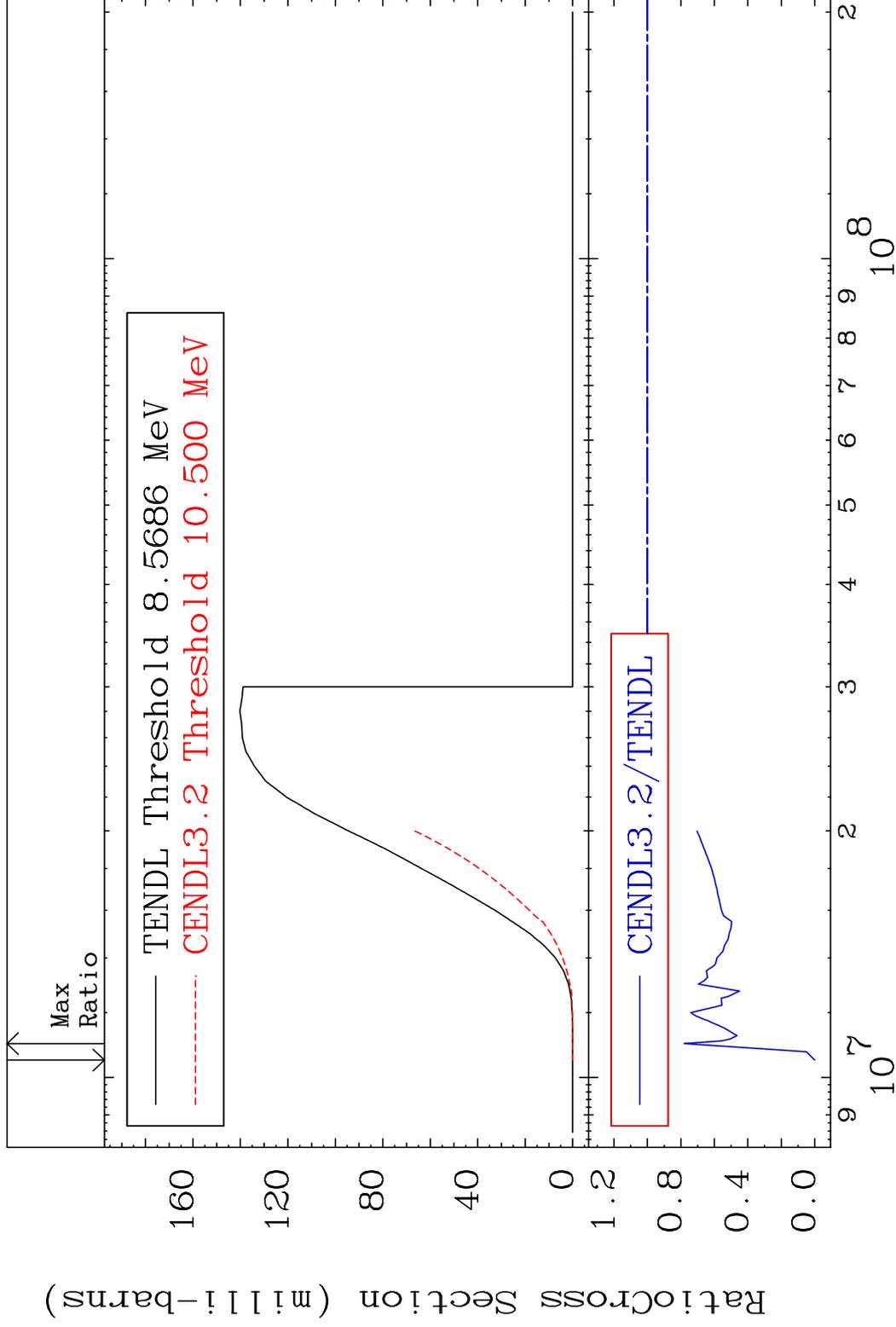


MAT 4434

(n, n') p

44-Ru-99

Cross Section -100.0 To -21.93%

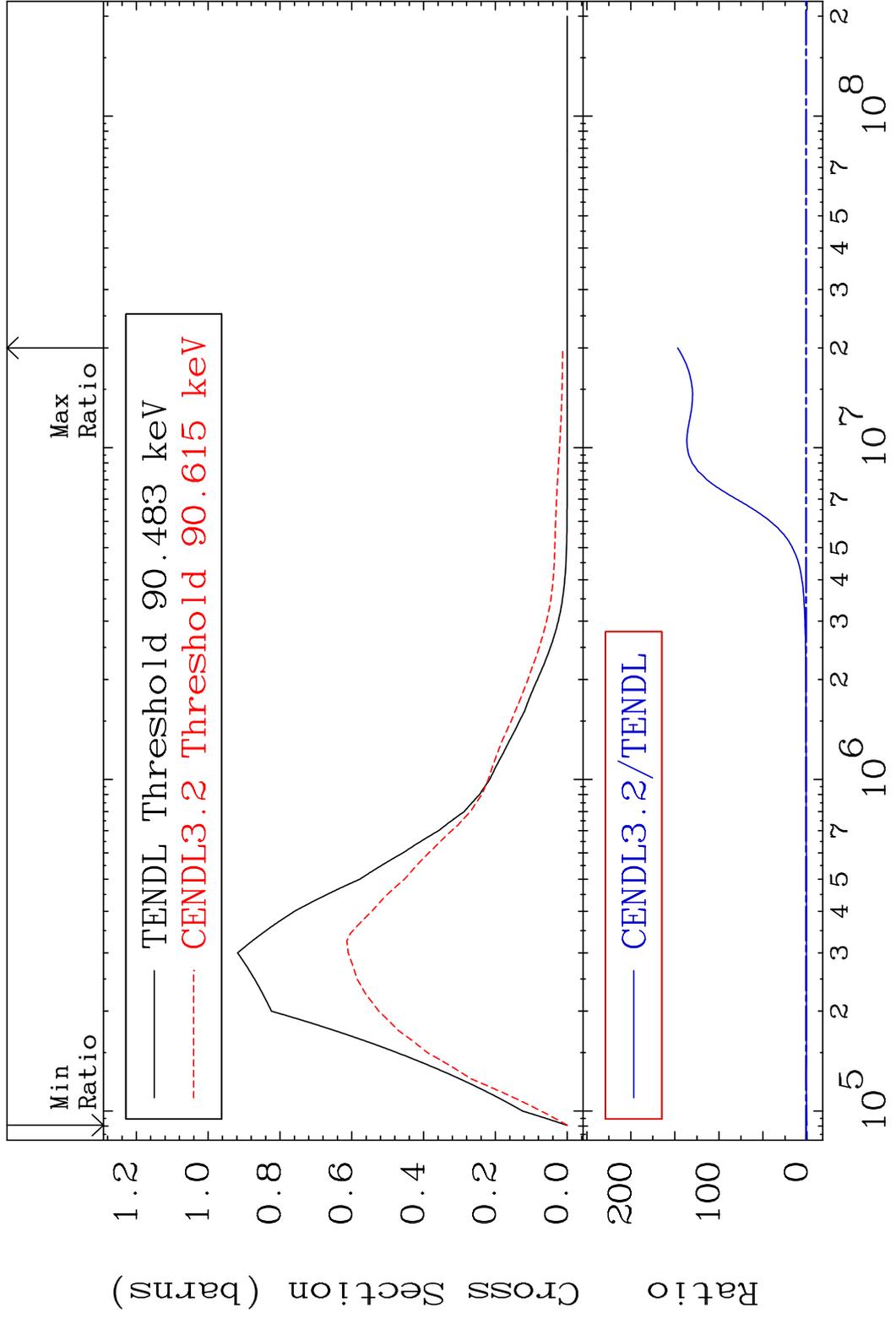


7

Incident Energy (eV)

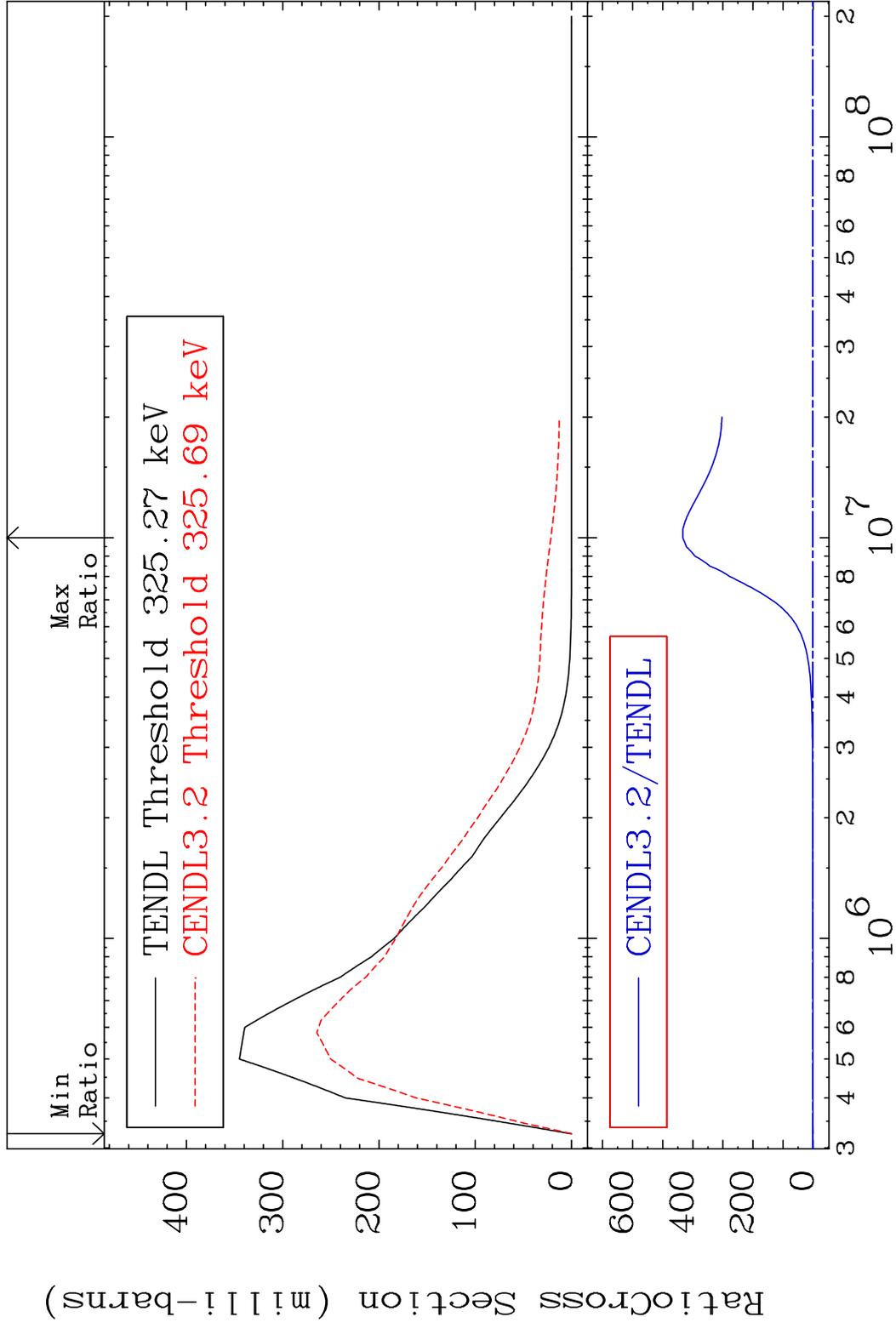
44-Ru-99

MAT 4434 MT= 51 (n,n') Level 44-Ru-99
 Cross Section -100.0 To 9999. %

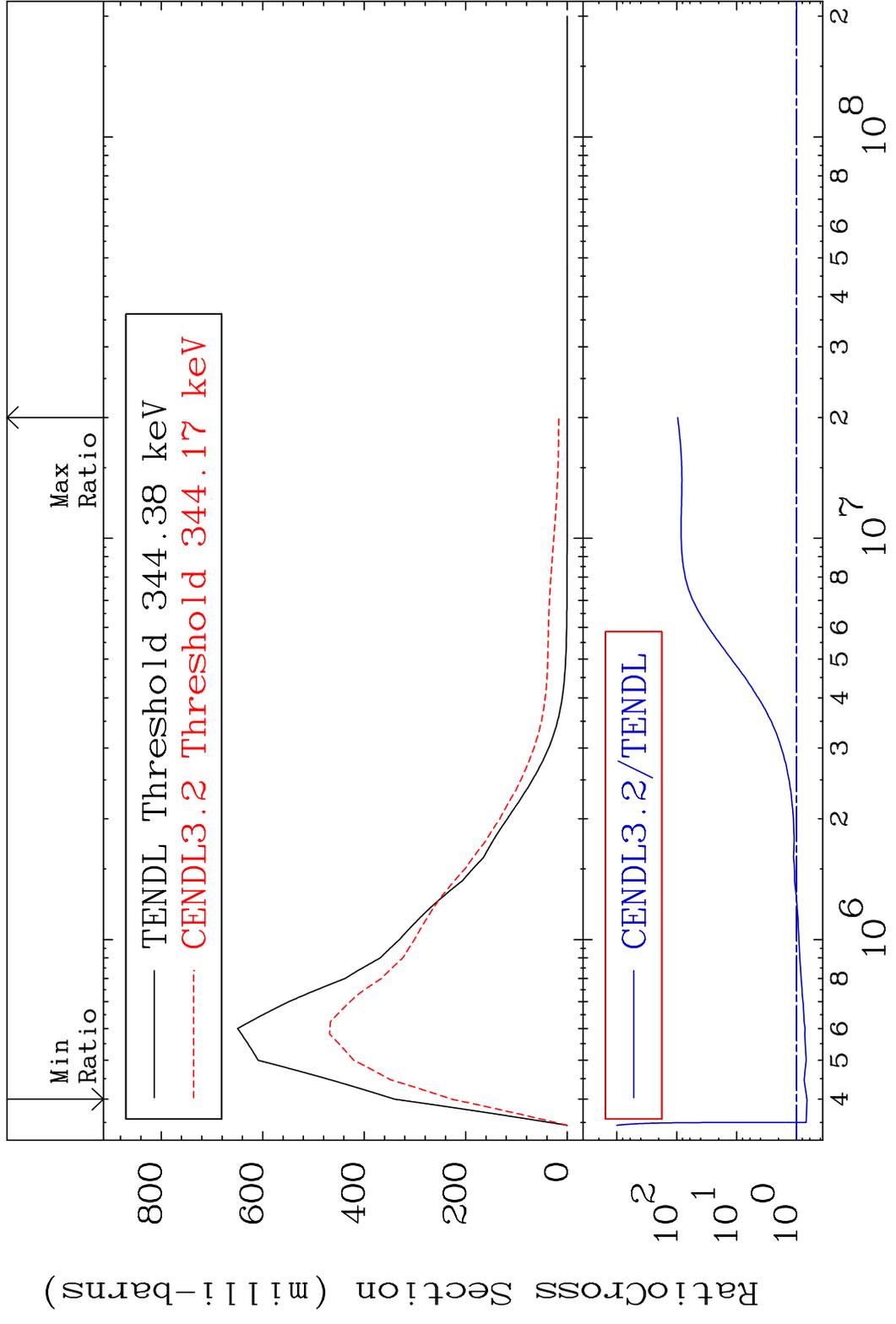


8 Incident Energy (eV) 44-Ru-99

MAT 4434 MT= 52 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 9999. %

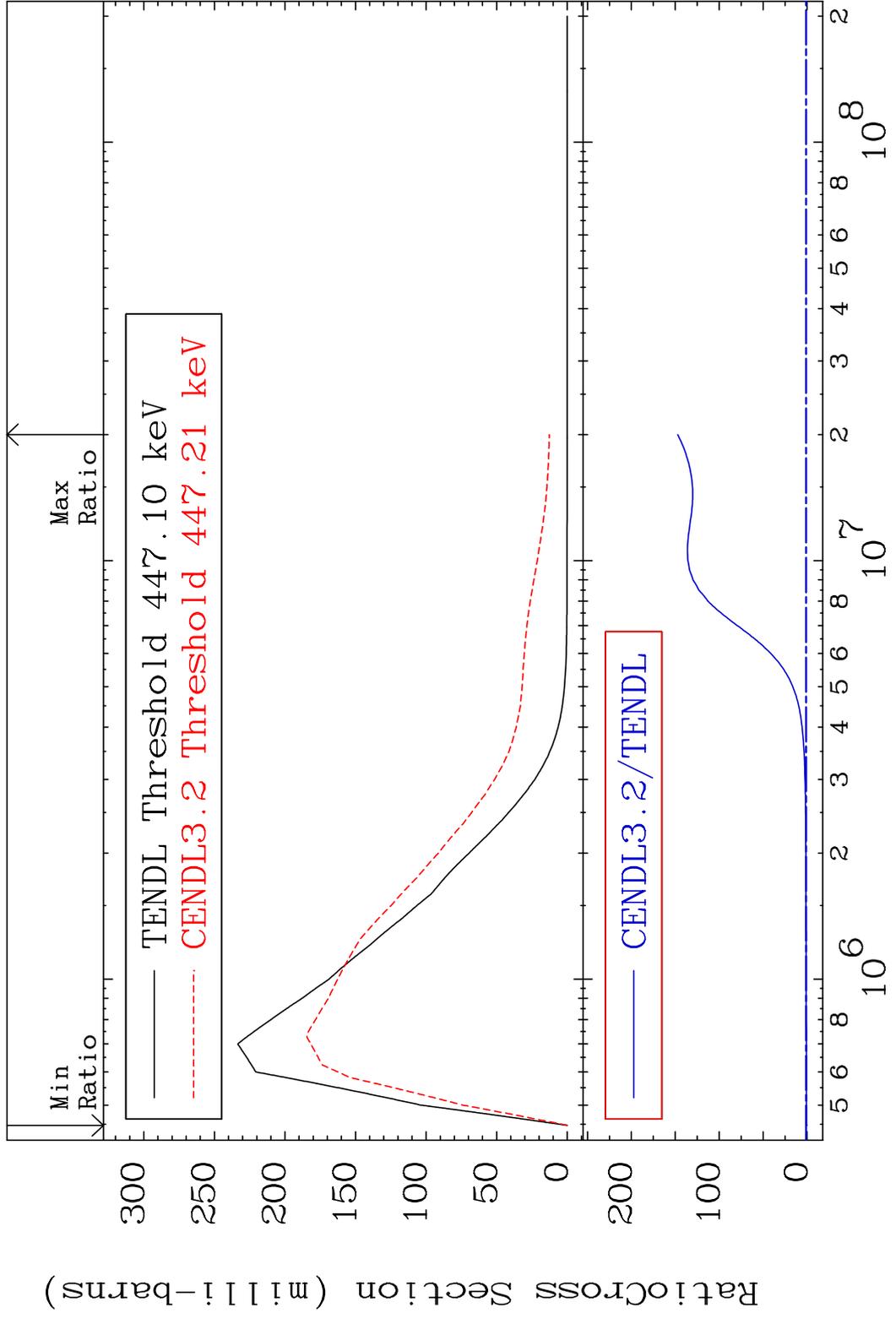


MAT 4434 MT= 53 (n, n') Level 44-Ru-99
 Cross Section -33.12 To 9555. %

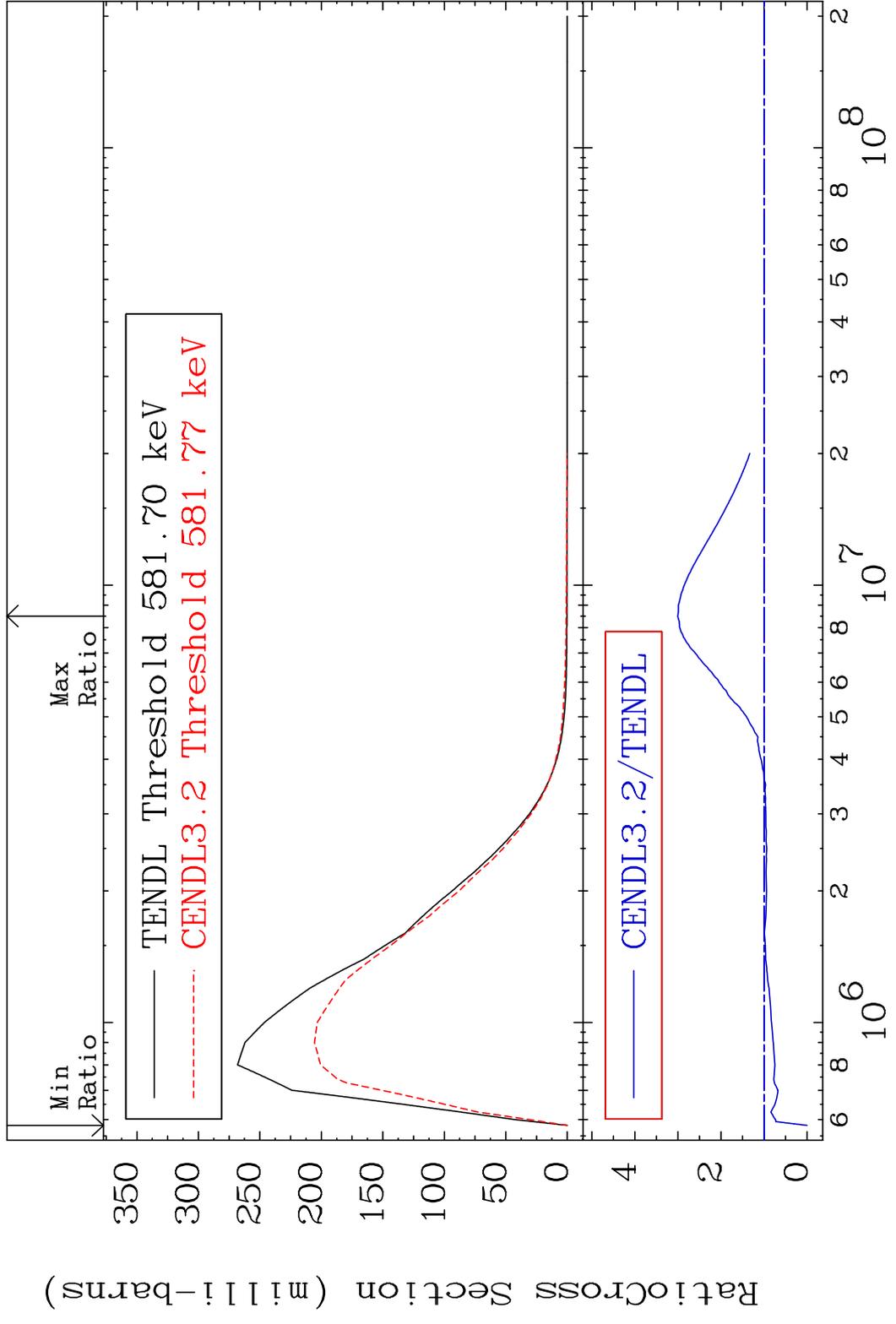


10 Incident Energy (eV) 44-Ru-99

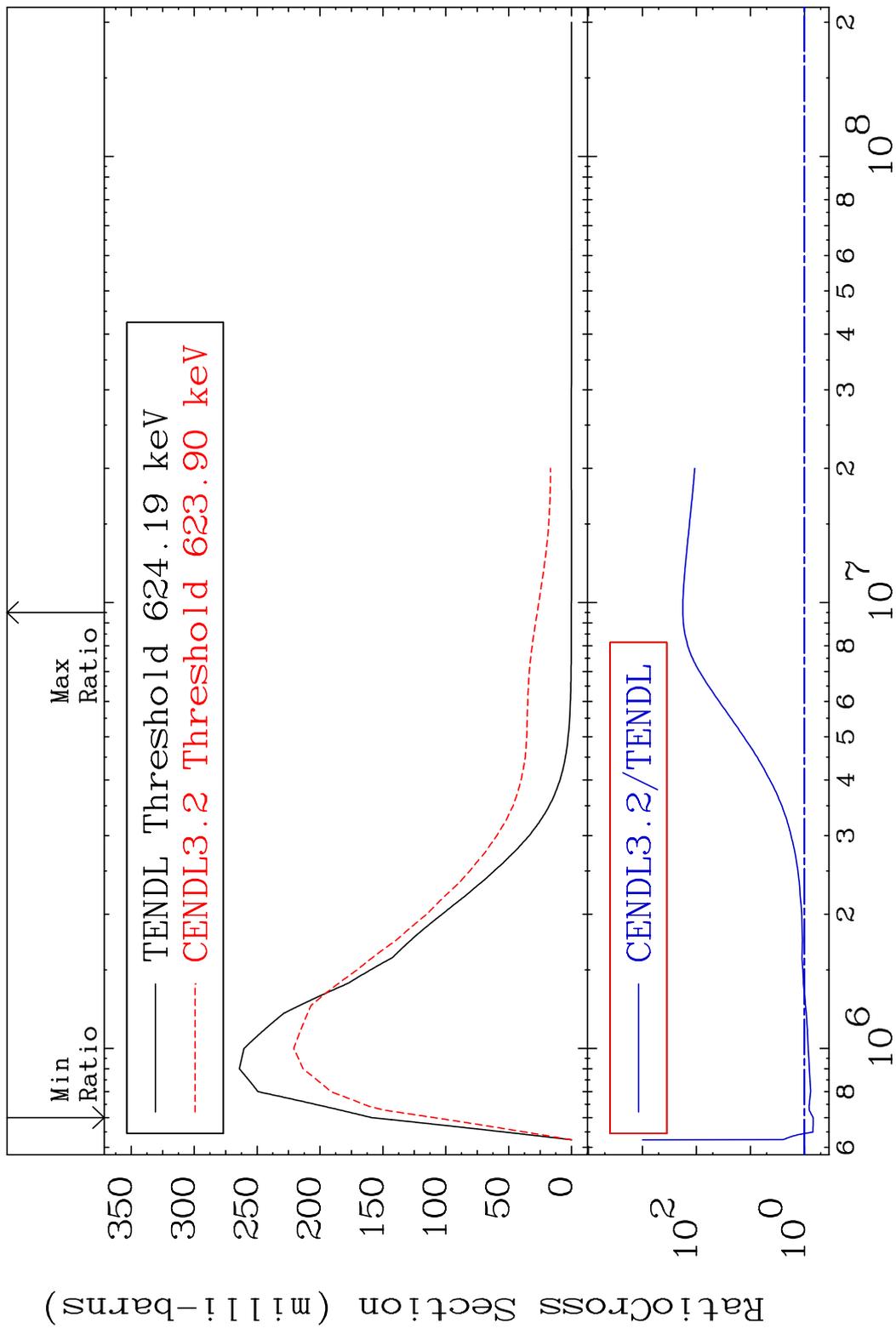
MAT 4434 MT= 54 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 9999. %



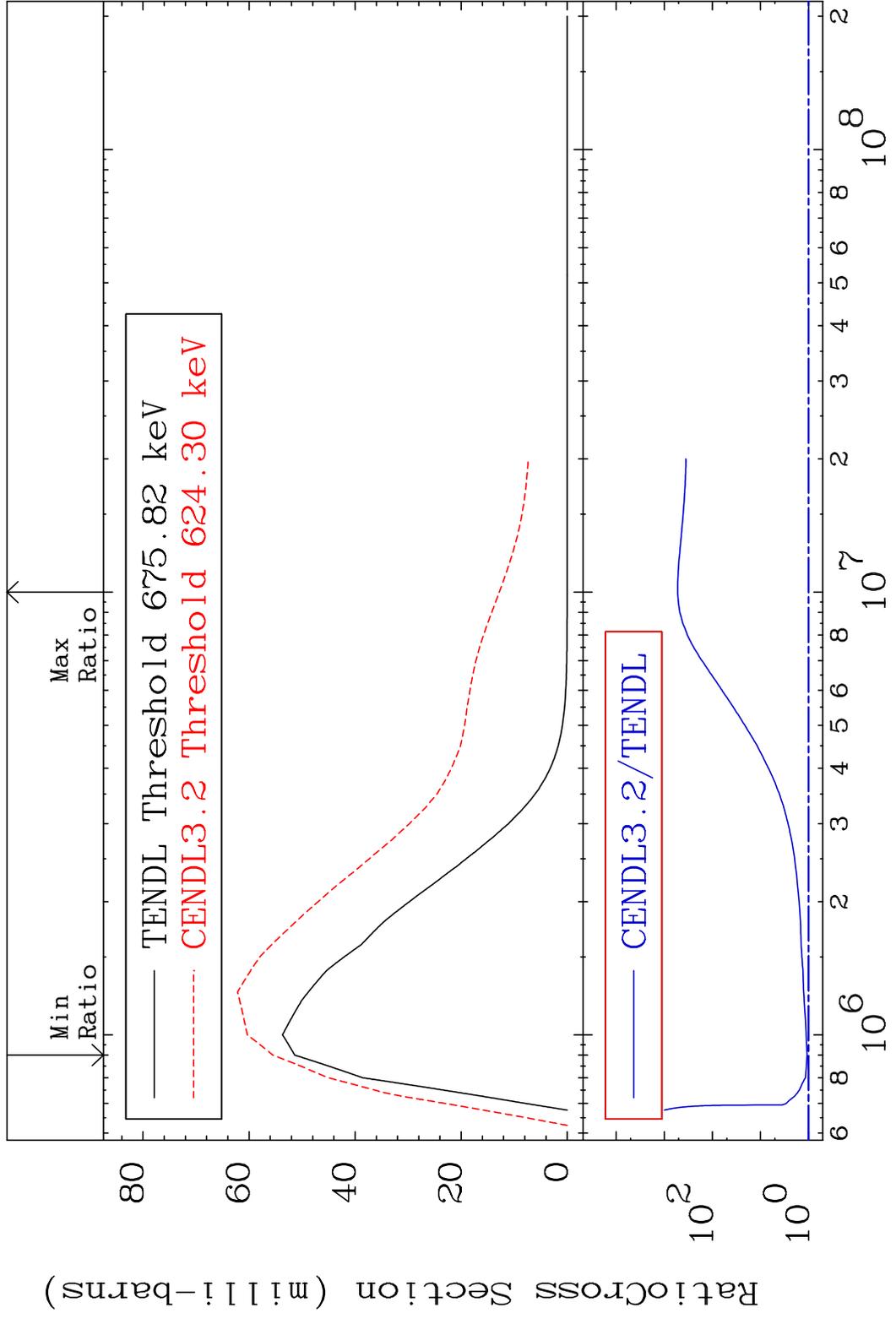
MAT 4434 MT= 55 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 200.5 %



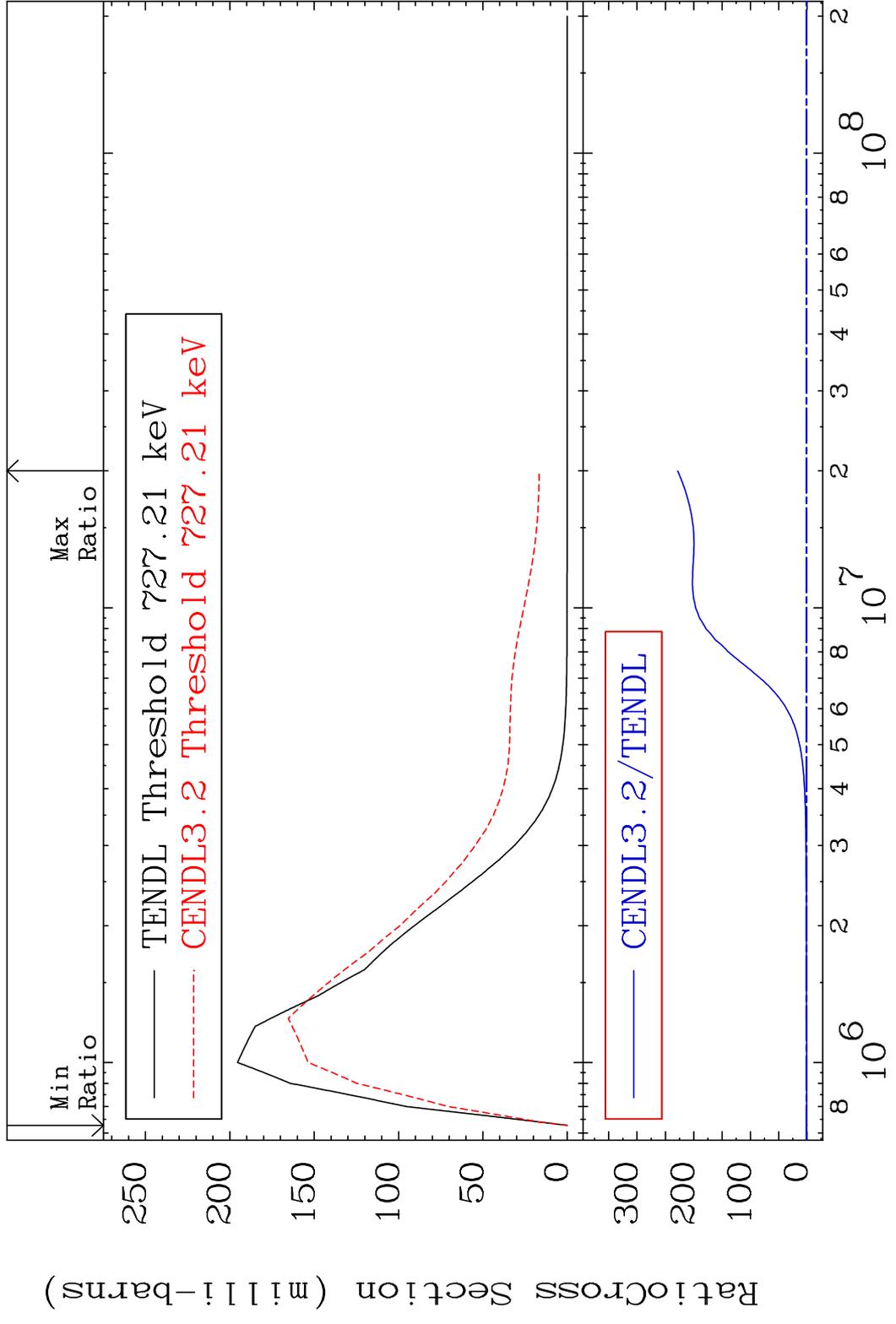
MAT 4434 MT= 56 (n, n') Level 44-Ru-99
 Cross Section -31.11 To 9999. %



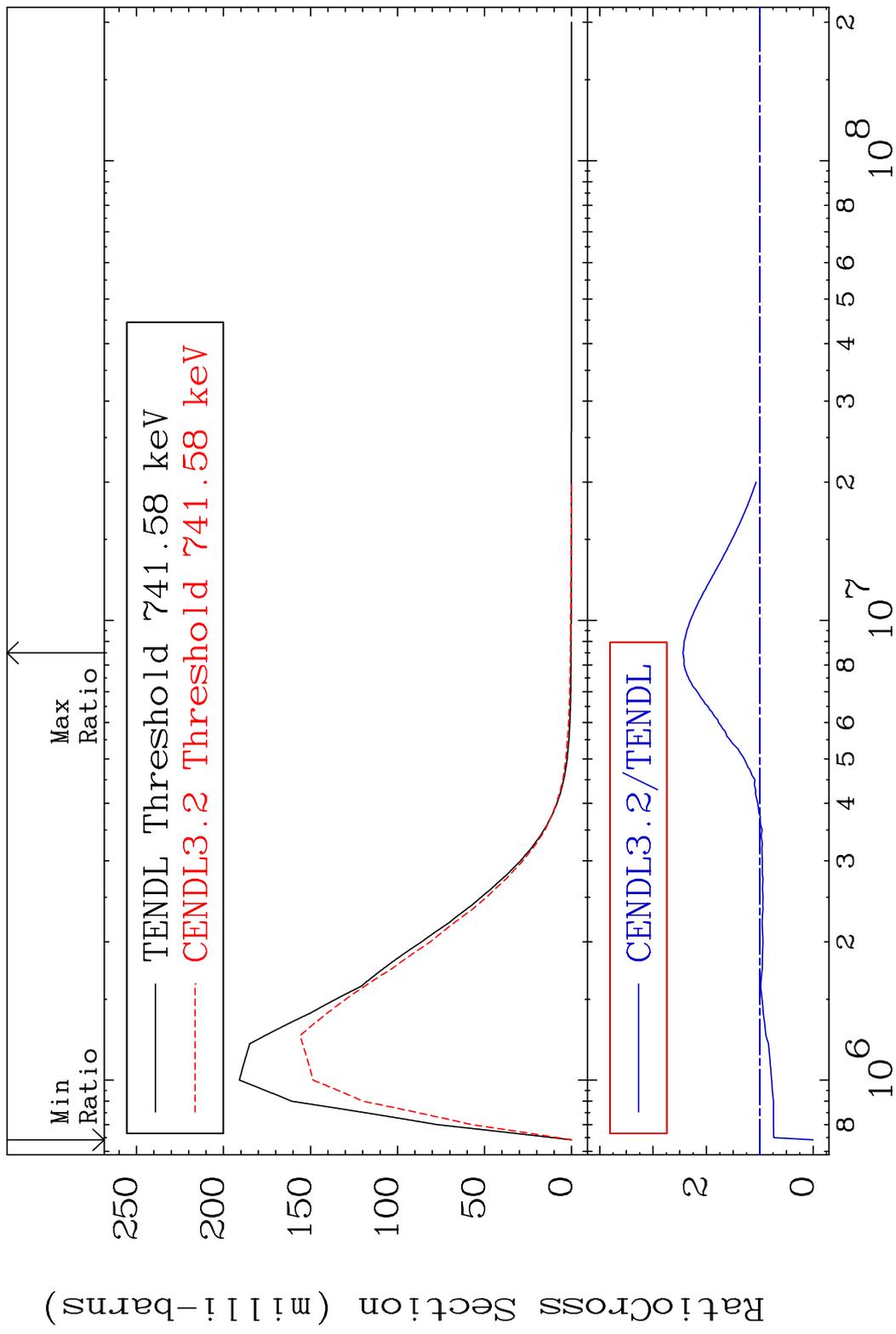
MAT 4434 MT= 57 (n, n') Level 44-Ru-99
 Cross Section 8.020 To 9999. %



MAT 4434 MT= 58 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 9999. %



MAT 4434 MT= 59 (n, n') Level 44-Ru-99
 Cross Section -100.0 To 144.2 %



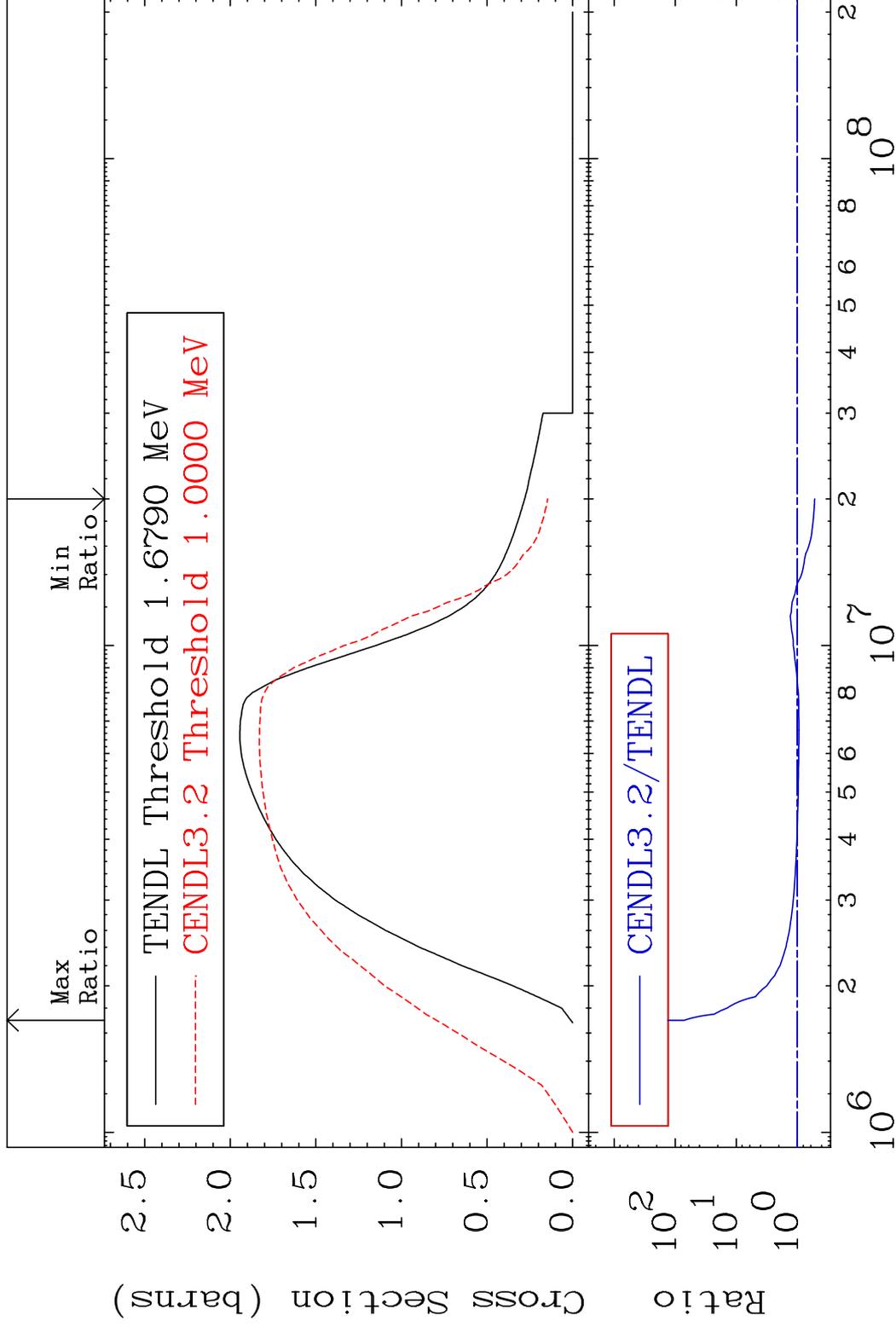
16 Incident Energy (eV) 44-Ru-99

MAT 4434

(n, n') Continuum

44-Ru-99

Cross Section -48.14 To 7025. %



17

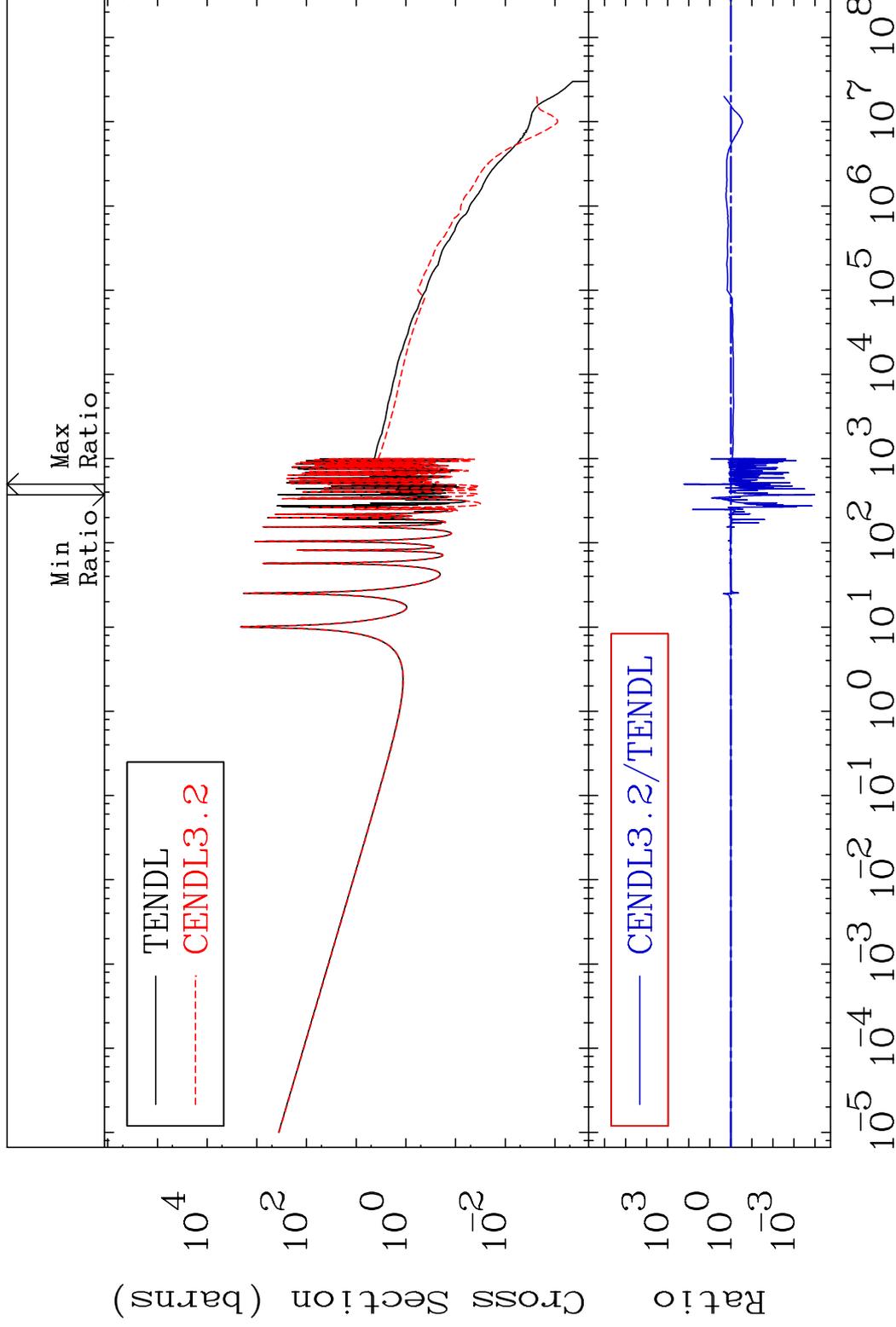
Incident Energy (eV)

44-Ru-99

MAT 4434

(n, γ)
Cross Section -99.99 To 9999. %

44-Ru-99



18

Incident Energy (eV)

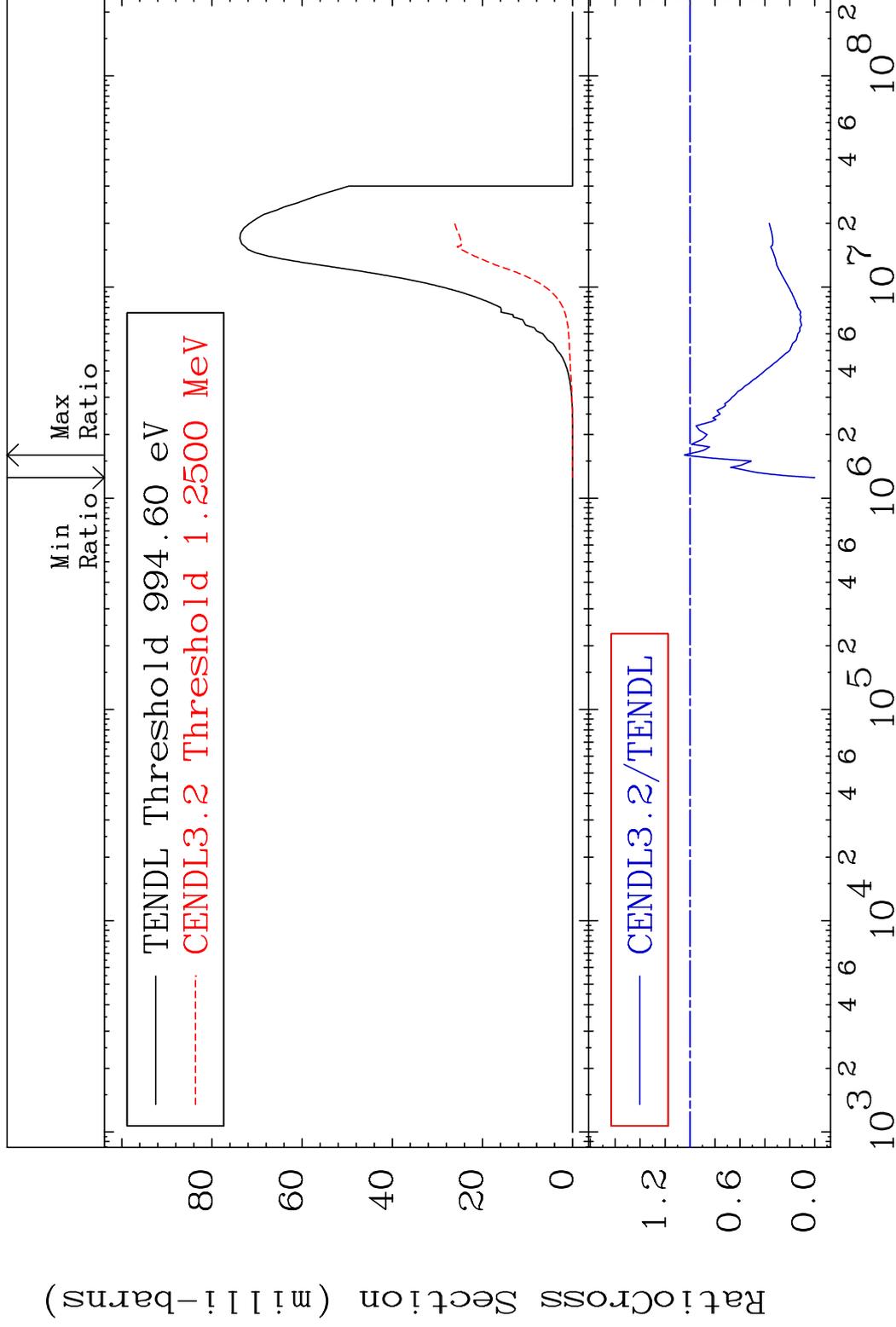
44-Ru-99

MAT 4434

(n, p)

44-Ru-99

Cross Section -100.0 To 4.716 %



19

Incident Energy (eV)

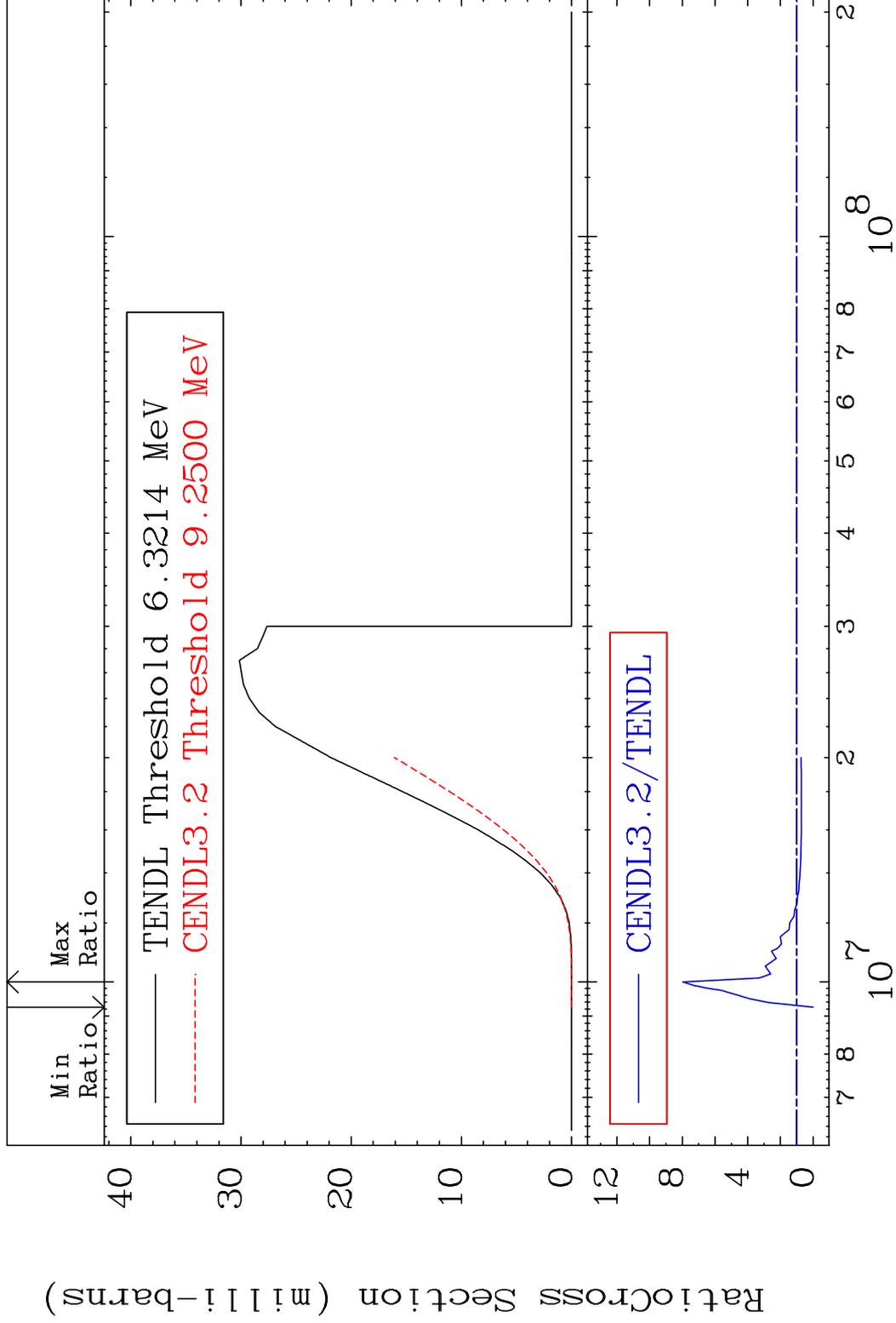
44-Ru-99

MAT 4434

(n,d)

44-Ru-99

Cross Section -100.0 To 696.9 %

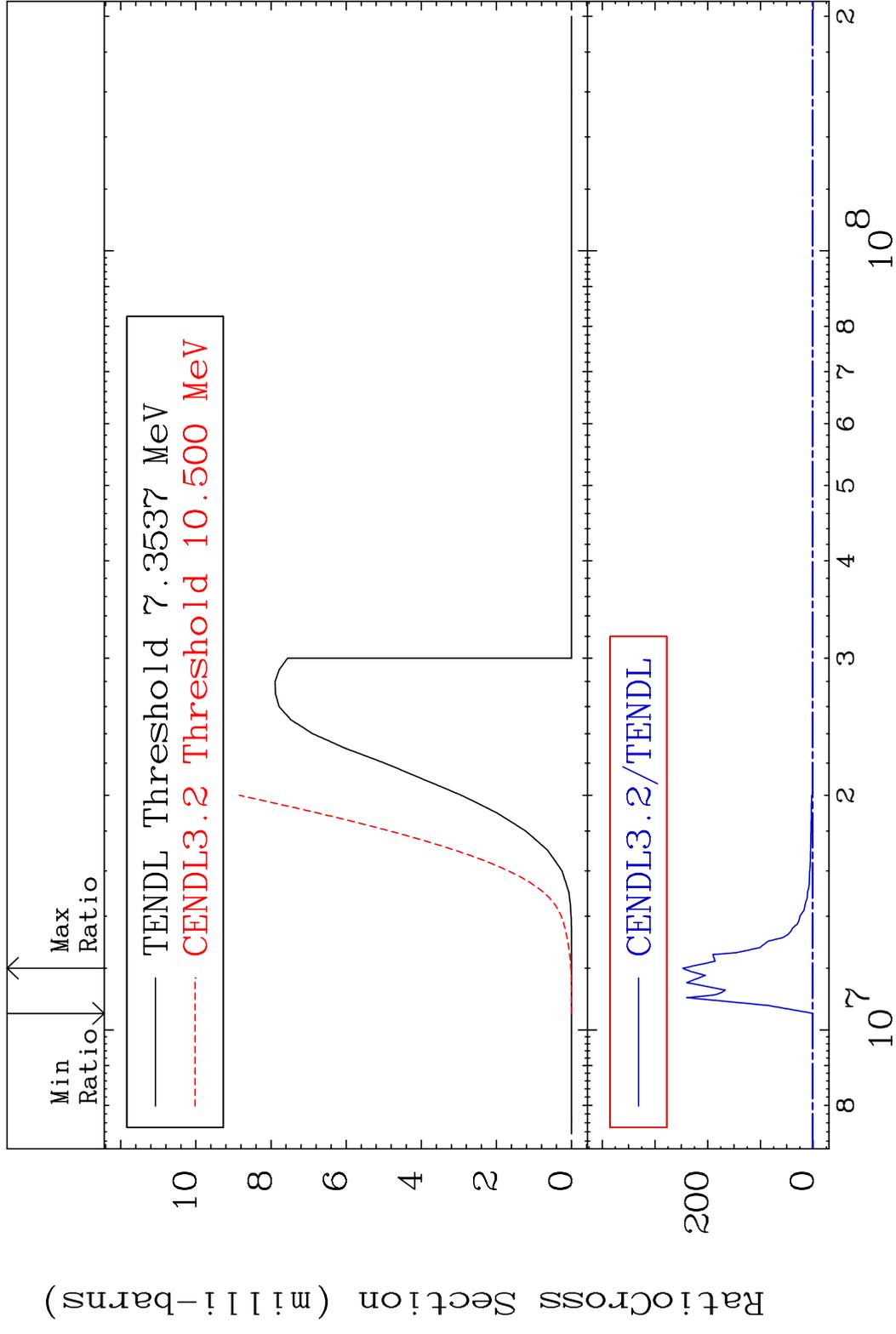


20

Incident Energy (eV)

44-Ru-99

MAT 4434 (n, t) 44-Ru-99
 Cross Section -100.0 To 9999. %

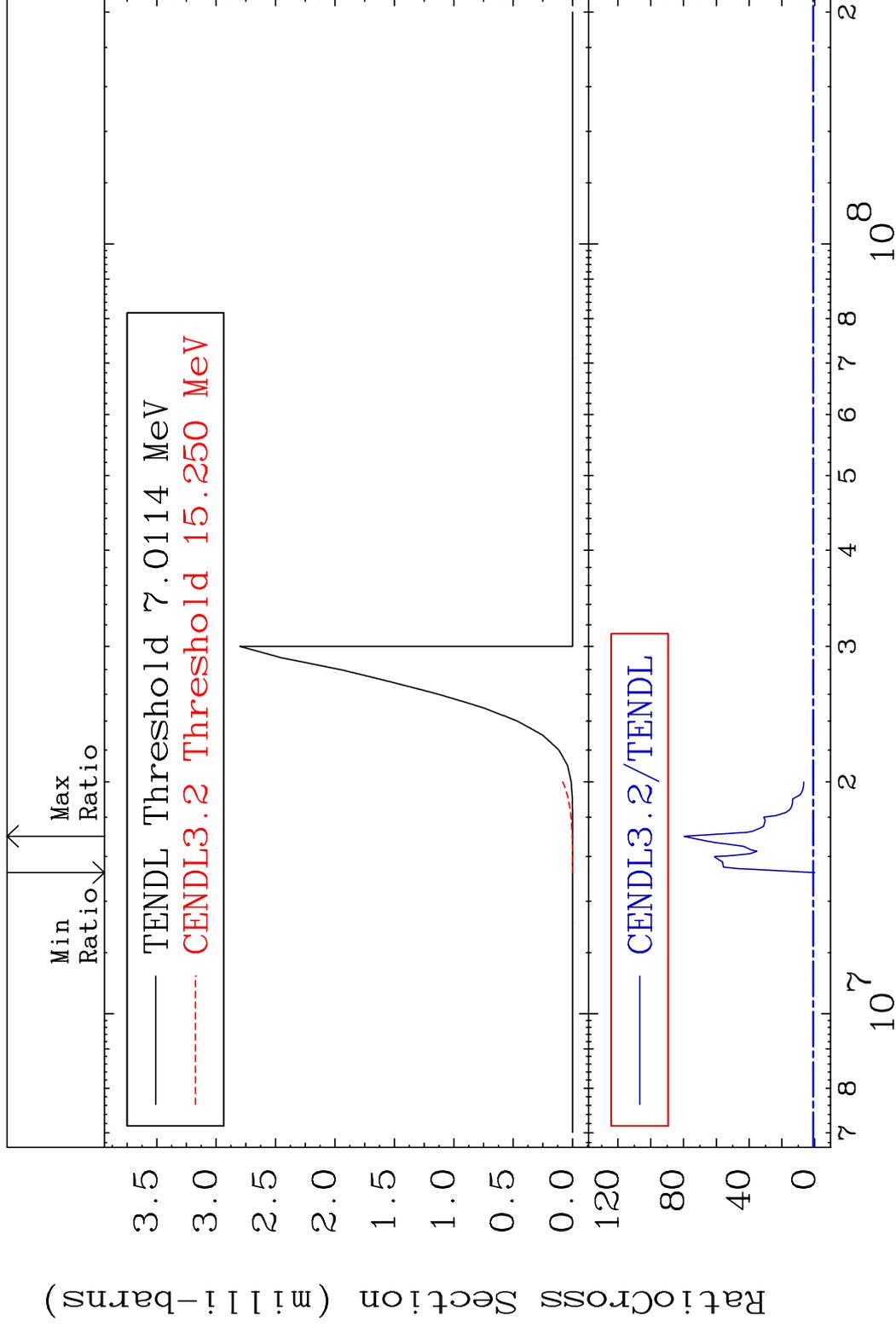


MAT 4434

(n, He-3)

44-Ru-99

Cross Section -100.0 To 7864. %



22

Incident Energy (eV)

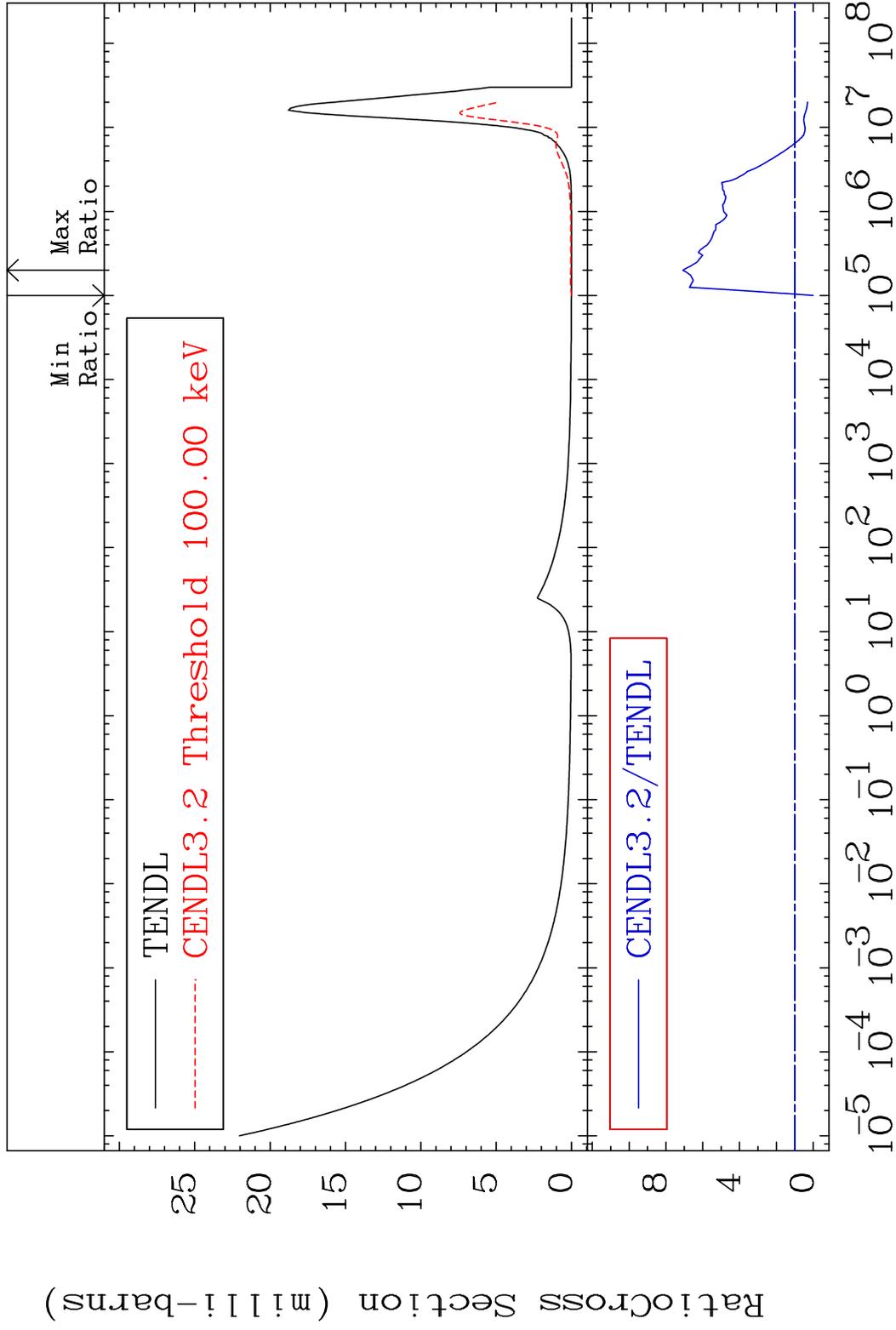
44-Ru-99

MAT 4434

(n, α)

44-Ru-99

Cross Section -100.0 To 608.2 %



23

Incident Energy (eV)

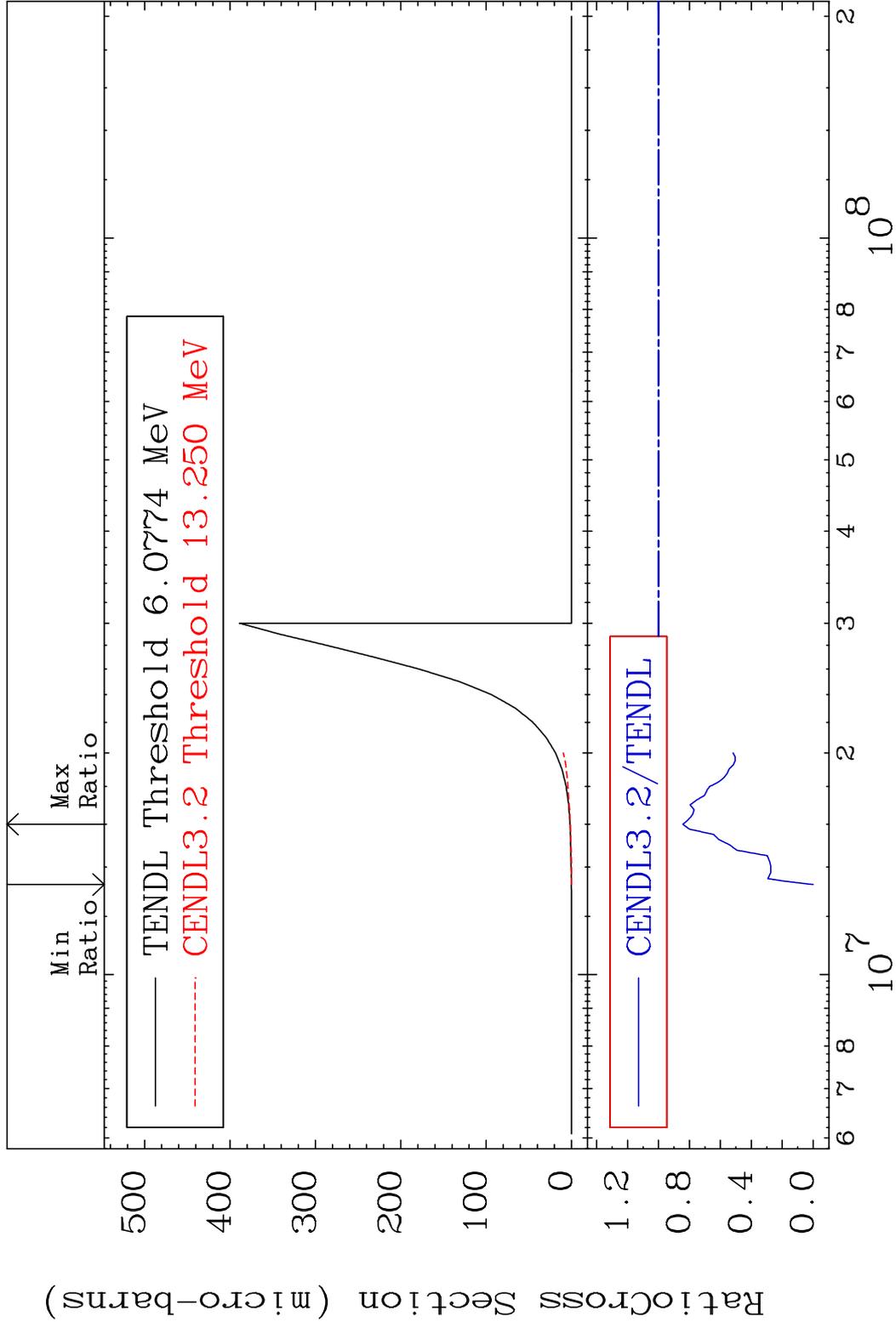
44-Ru-99

MAT 4434

(n,2p)

44-Ru-99

Cross Section -100.0 To -15.73%

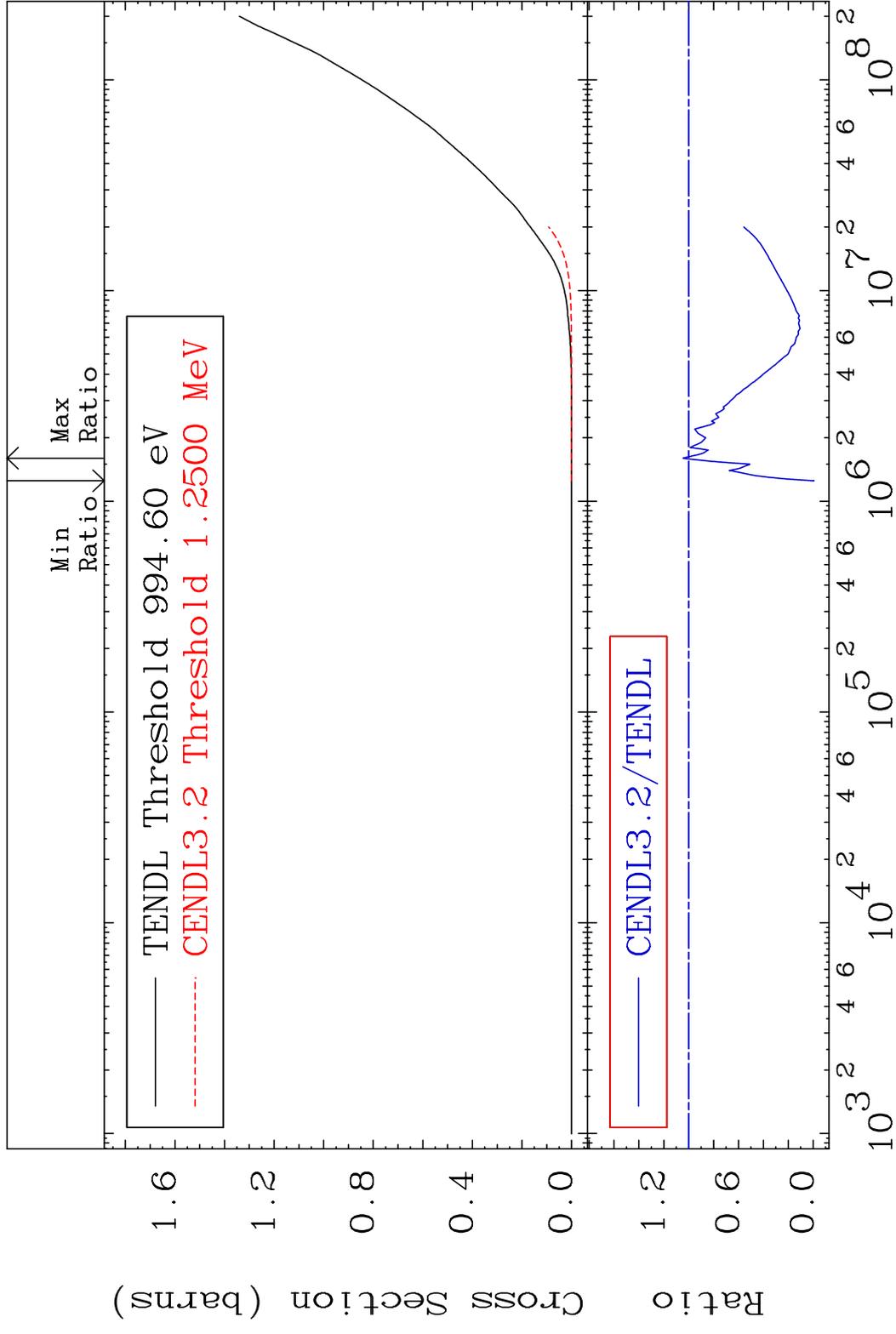


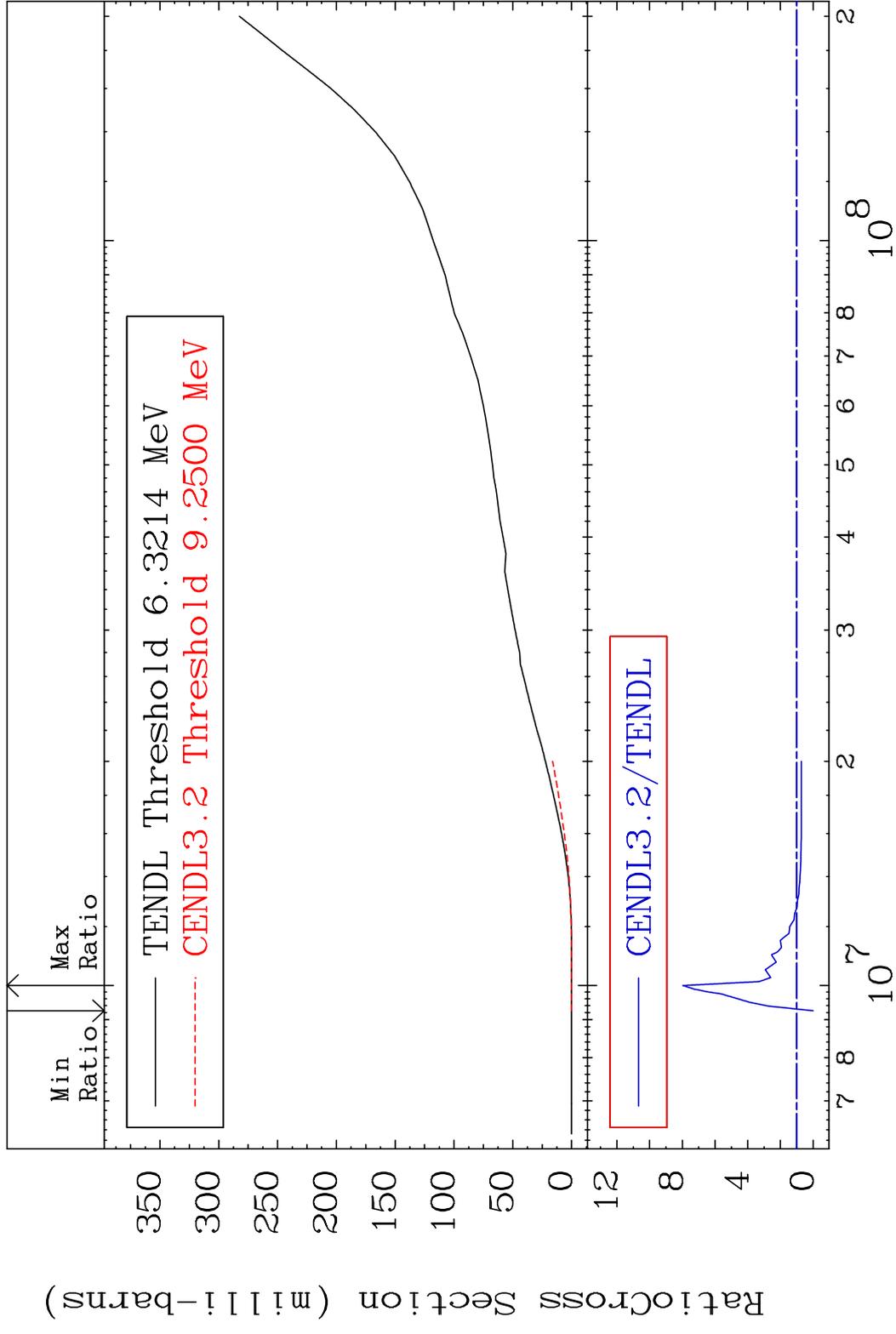
24

Incident Energy (eV)

44-Ru-99

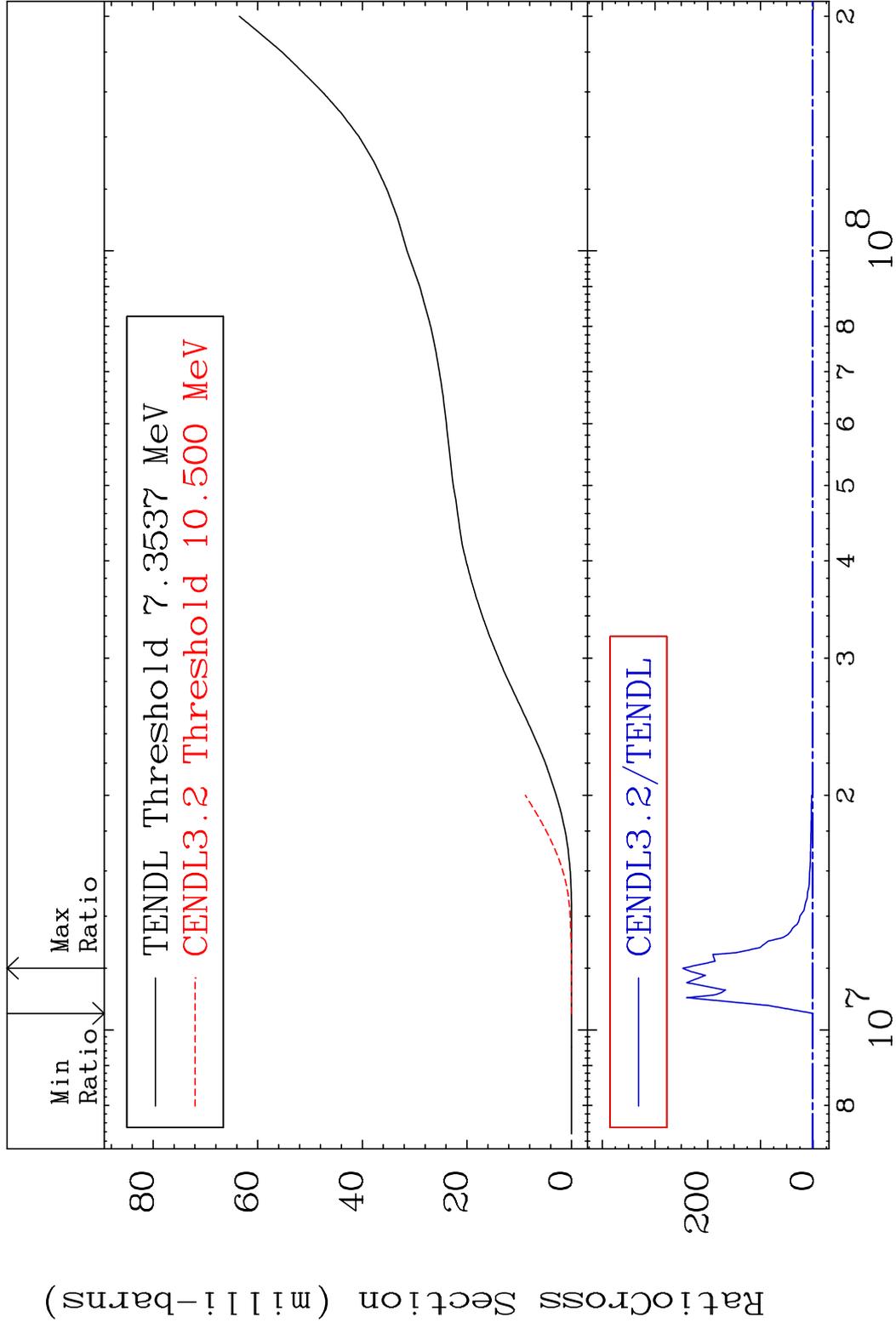
MAT 4434 Hydrogen Production 44-Ru-99
 Cross Section -100.0 To 4.716 %





MAT 4434

Tritium Production 44-Ru-99
Cross Section -100.0 To 9999. %

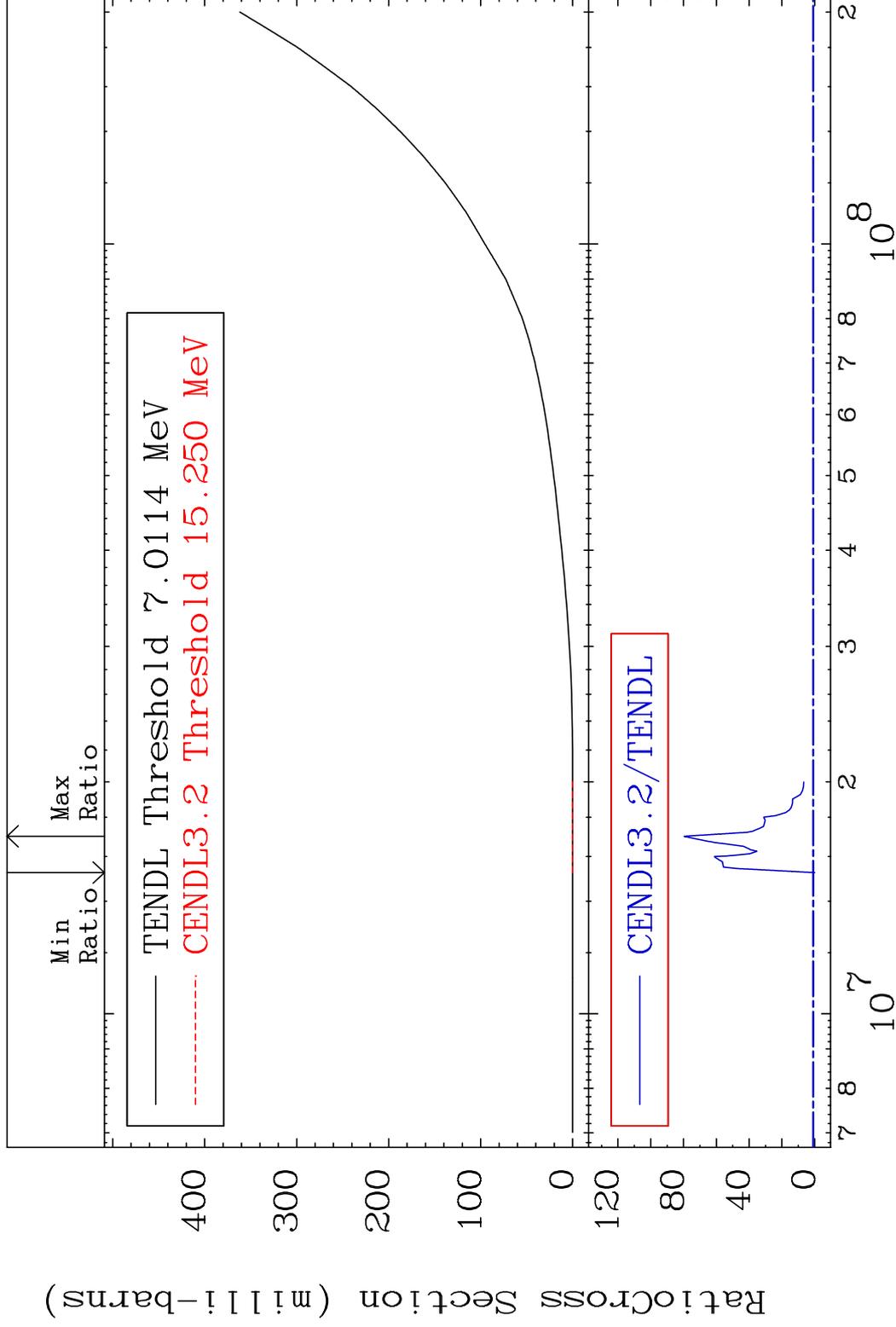


MAT 4434

He-3 Production

44-Ru-99

Cross Section -100.0 To 7864. %



28

Incident Energy (eV)

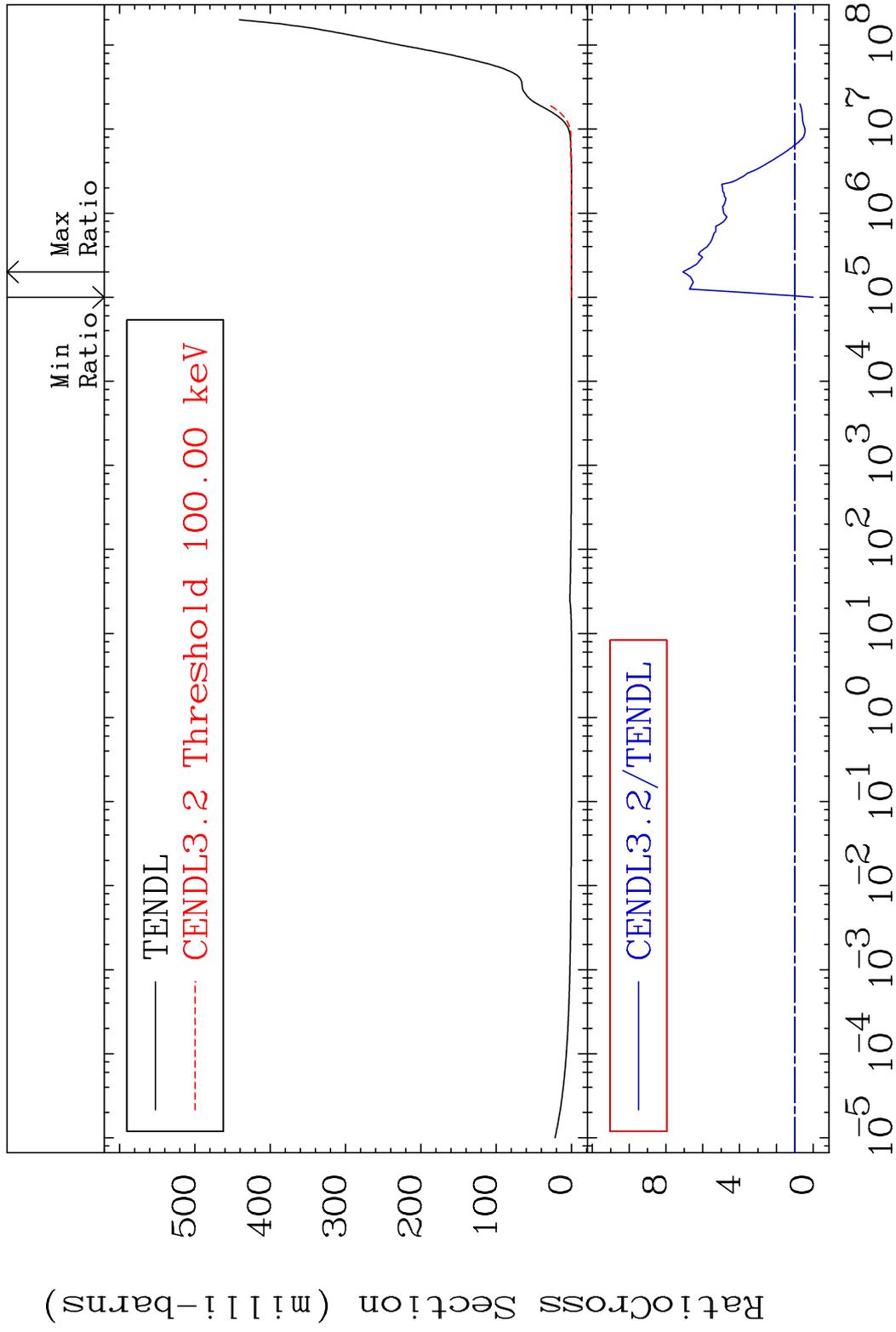
44-Ru-99

MAT 4434

He-4 Production

44-Ru-99

Cross Section -100.0 To 608.2 %

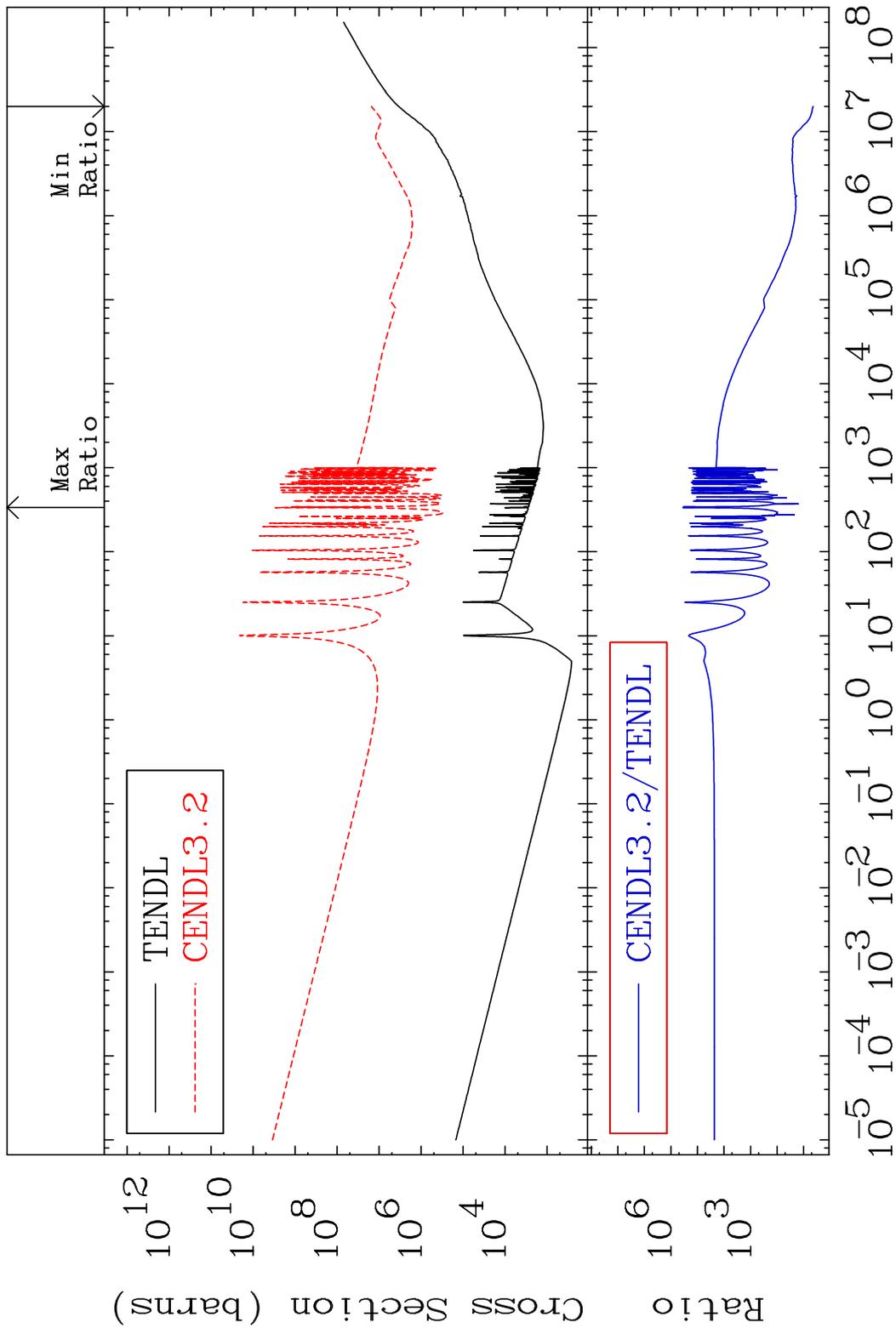


29

Incident Energy (eV)

44-Ru-99

MAT 4434 Kerma total (eV-barns) 44-Ru-99
 Cross Section 341.4 To 9999. %



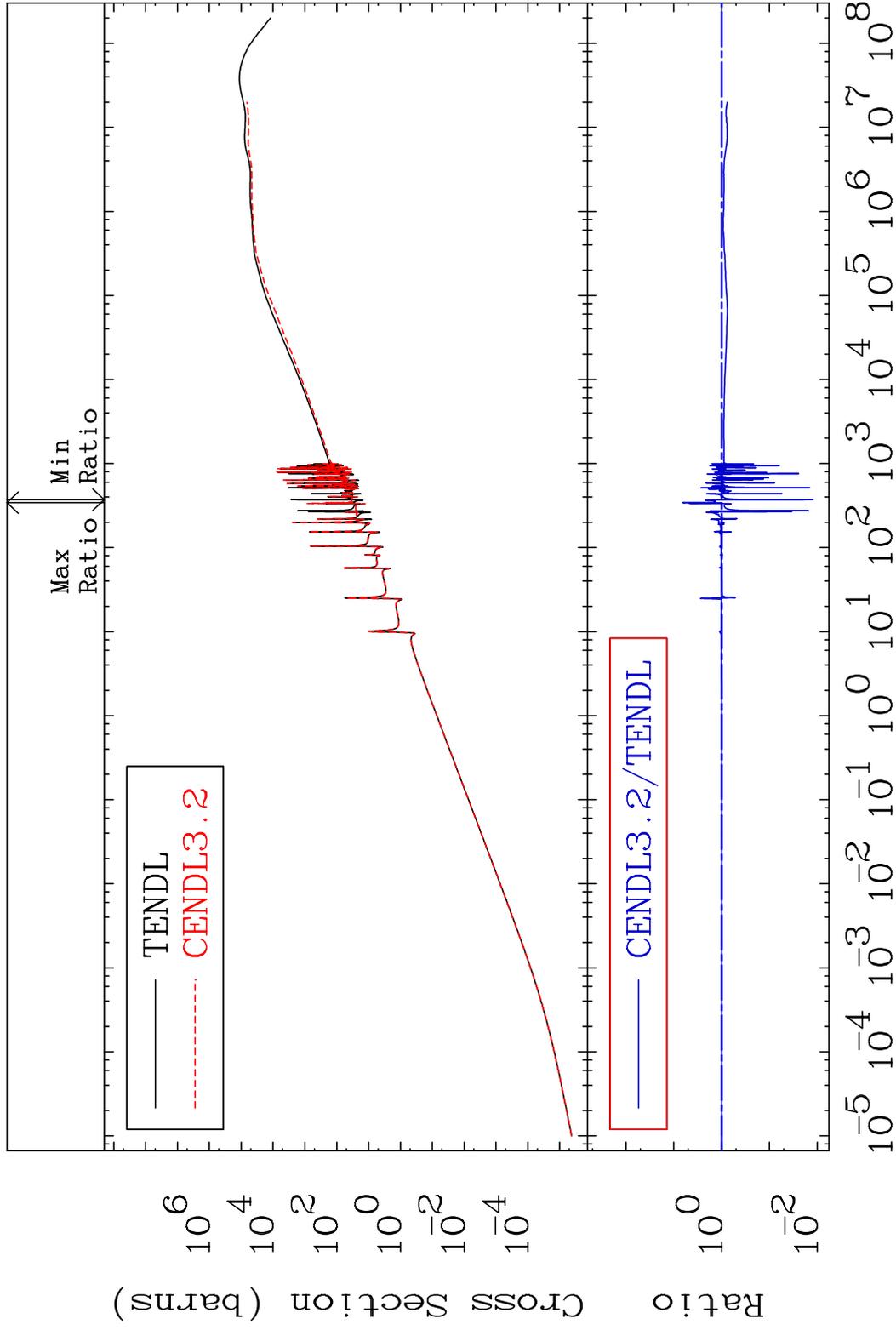
30 Incident Energy (eV) 44-Ru-99

MAT 4434

Kerma elastic
Cross Section

44-Ru-99

-98.78 To 547.7 %

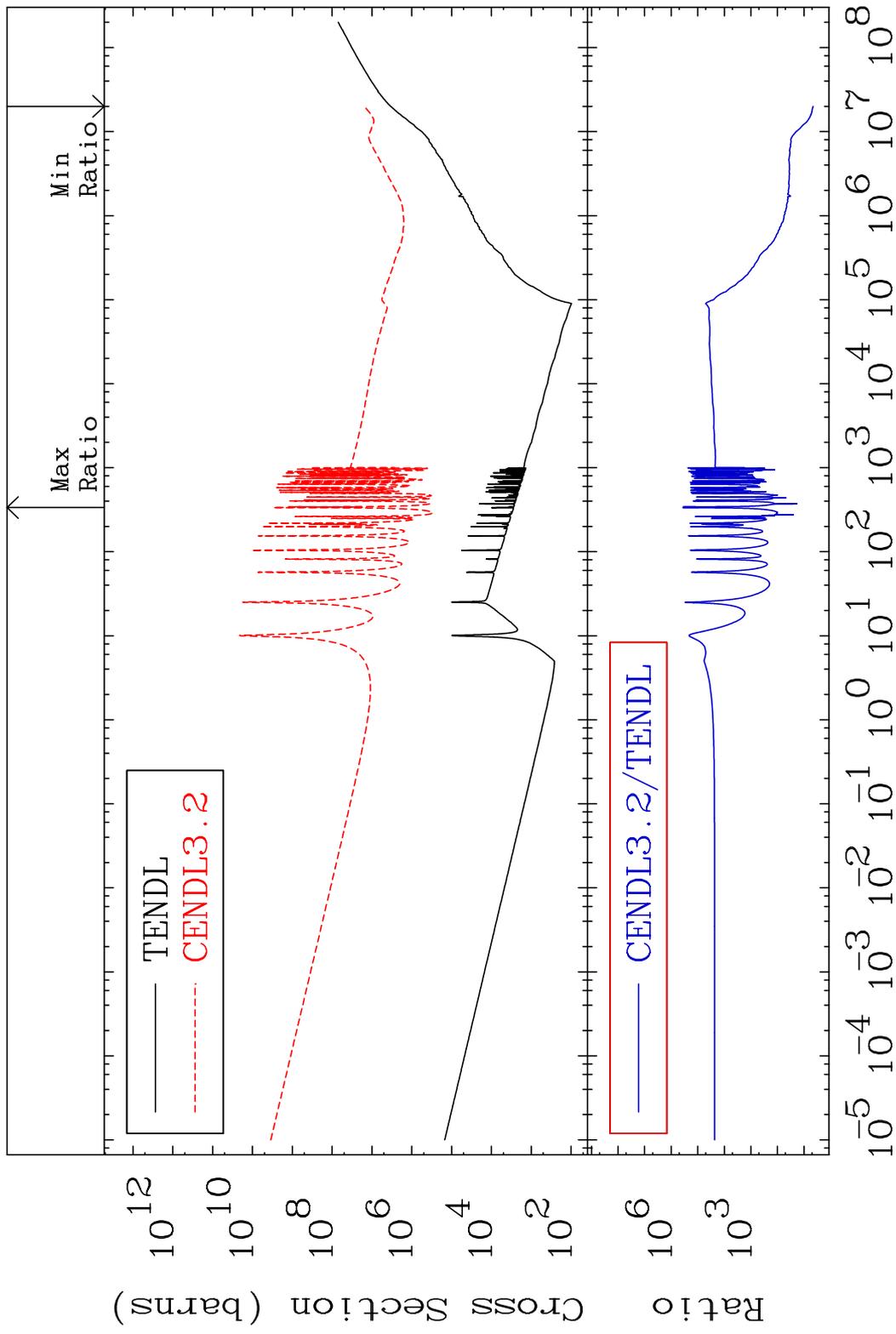


31

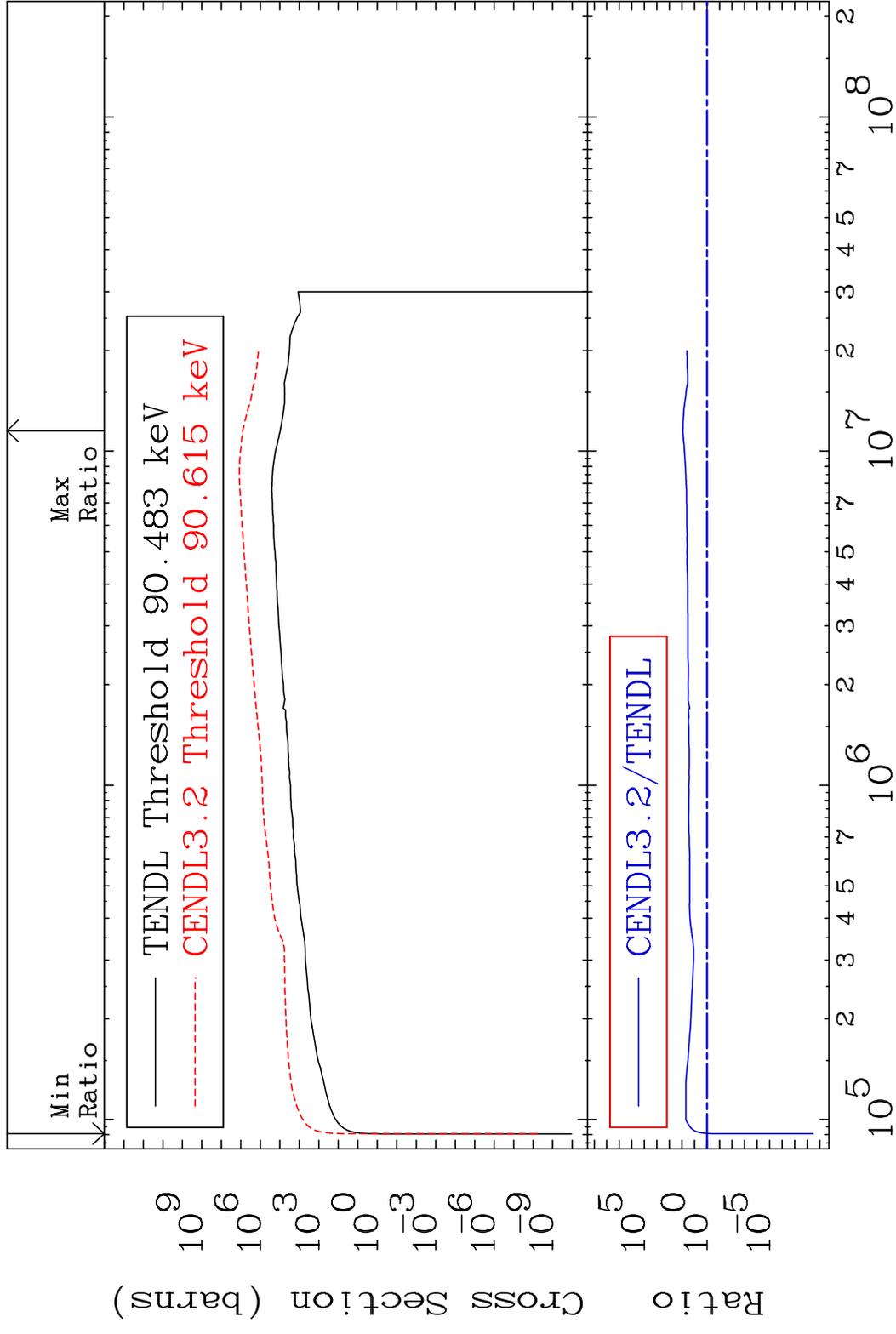
Incident Energy (eV)

44-Ru-99

MAT 4434 Kerma non-elastic (all but mt2) 44-Ru-99
 Cross Section 350.7 To 9999. %

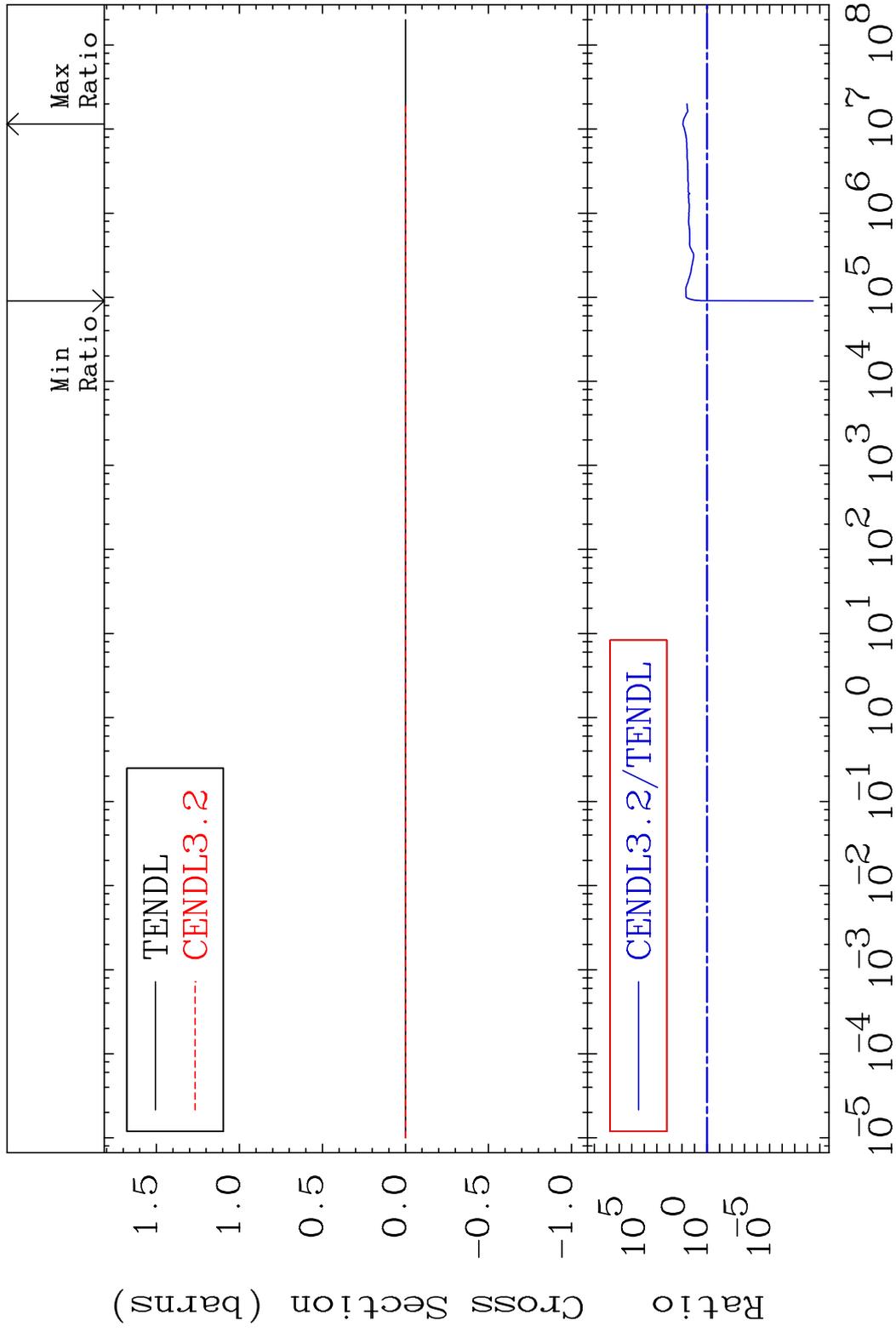


MAT 4434 Kerma inelastic (mt51-91) 44-Ru-99
 Cross Section -100.0 To 8369. %



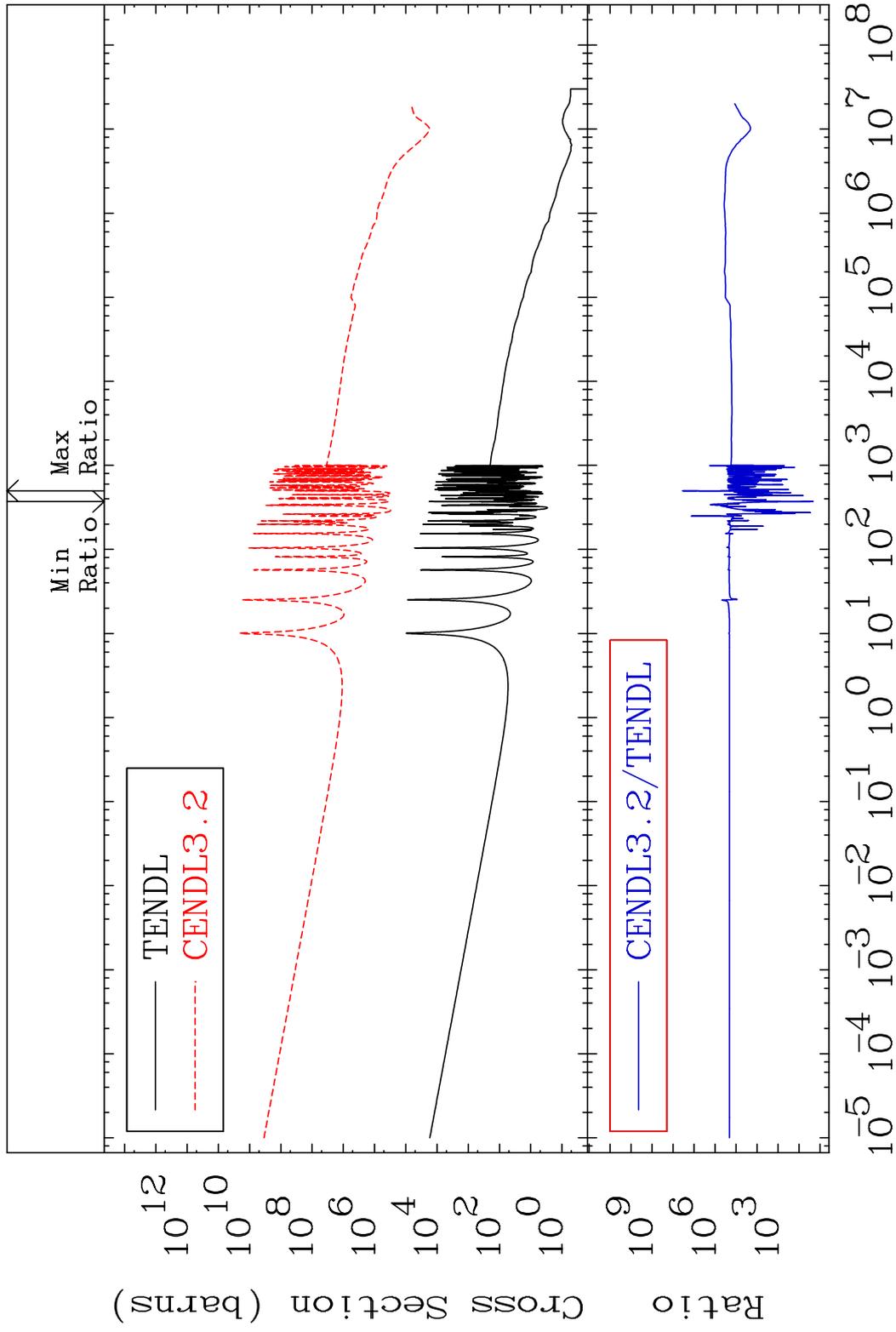
33 Incident Energy (eV) 44-Ru-99

MAT 4434 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-99
 Cross Section -100.0 To 8369. %



MAT 4434

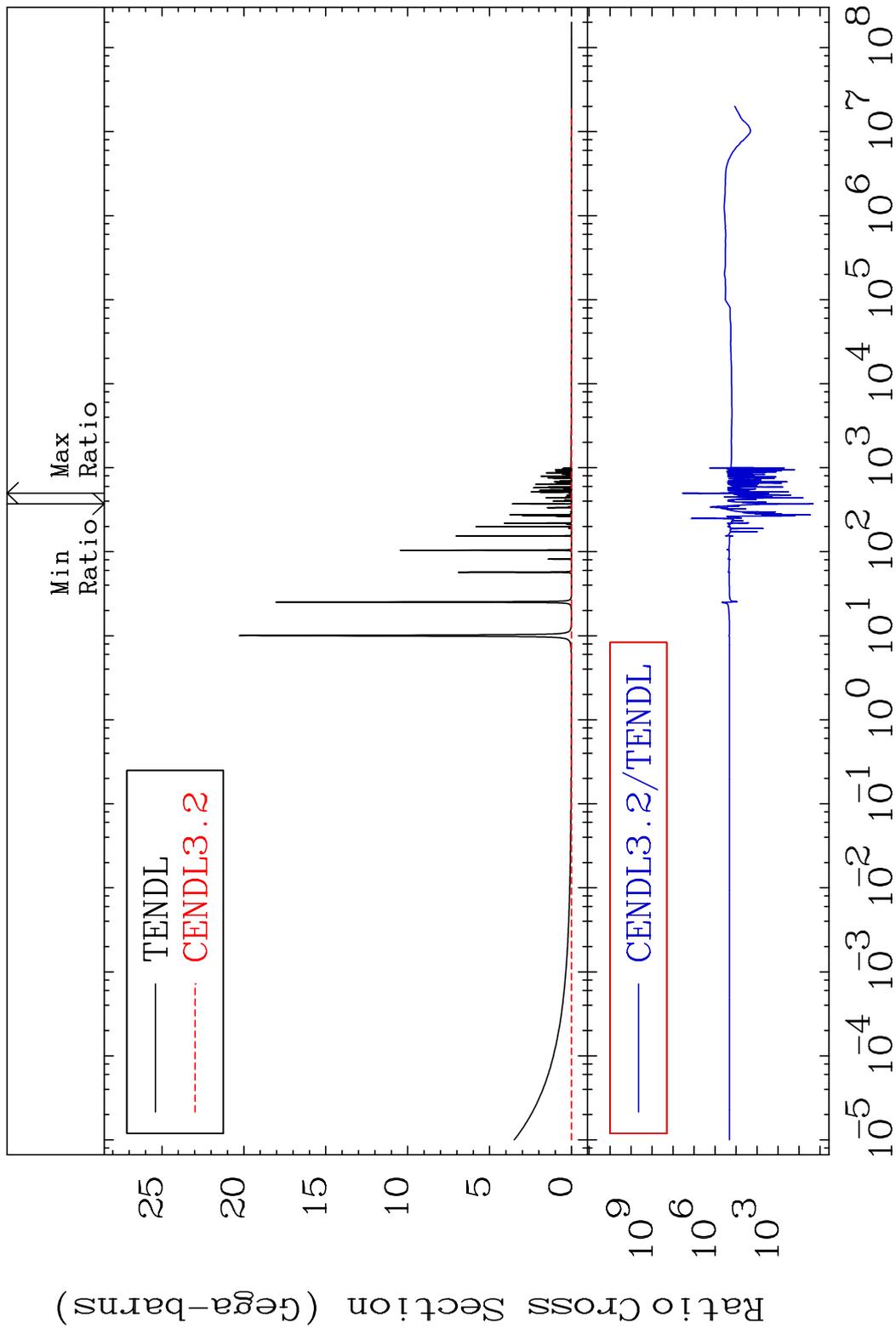
Kerma capture (mt102) 44-Ru-99
Cross Section 2008. To 9999. %



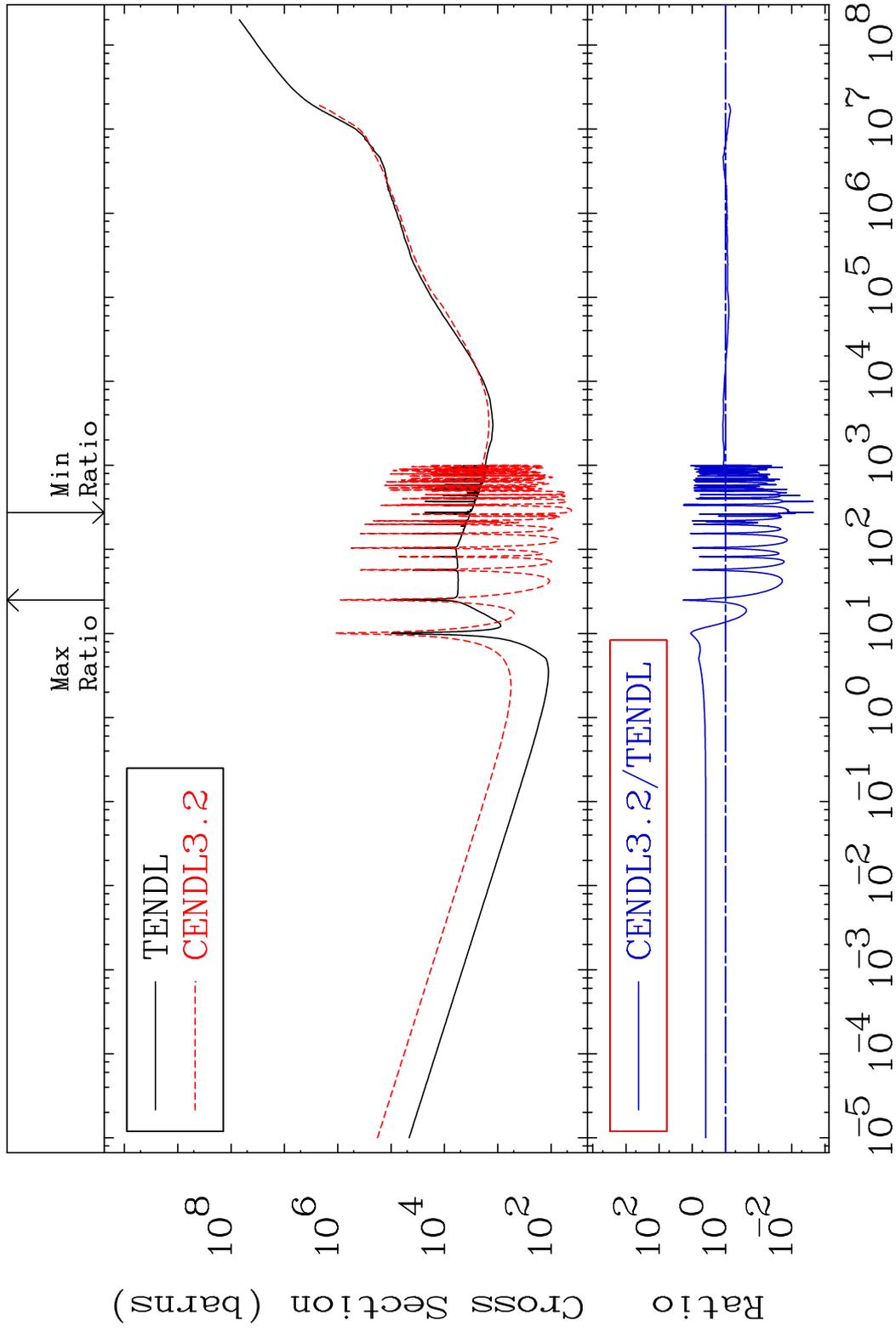
35

Incident Energy (eV)

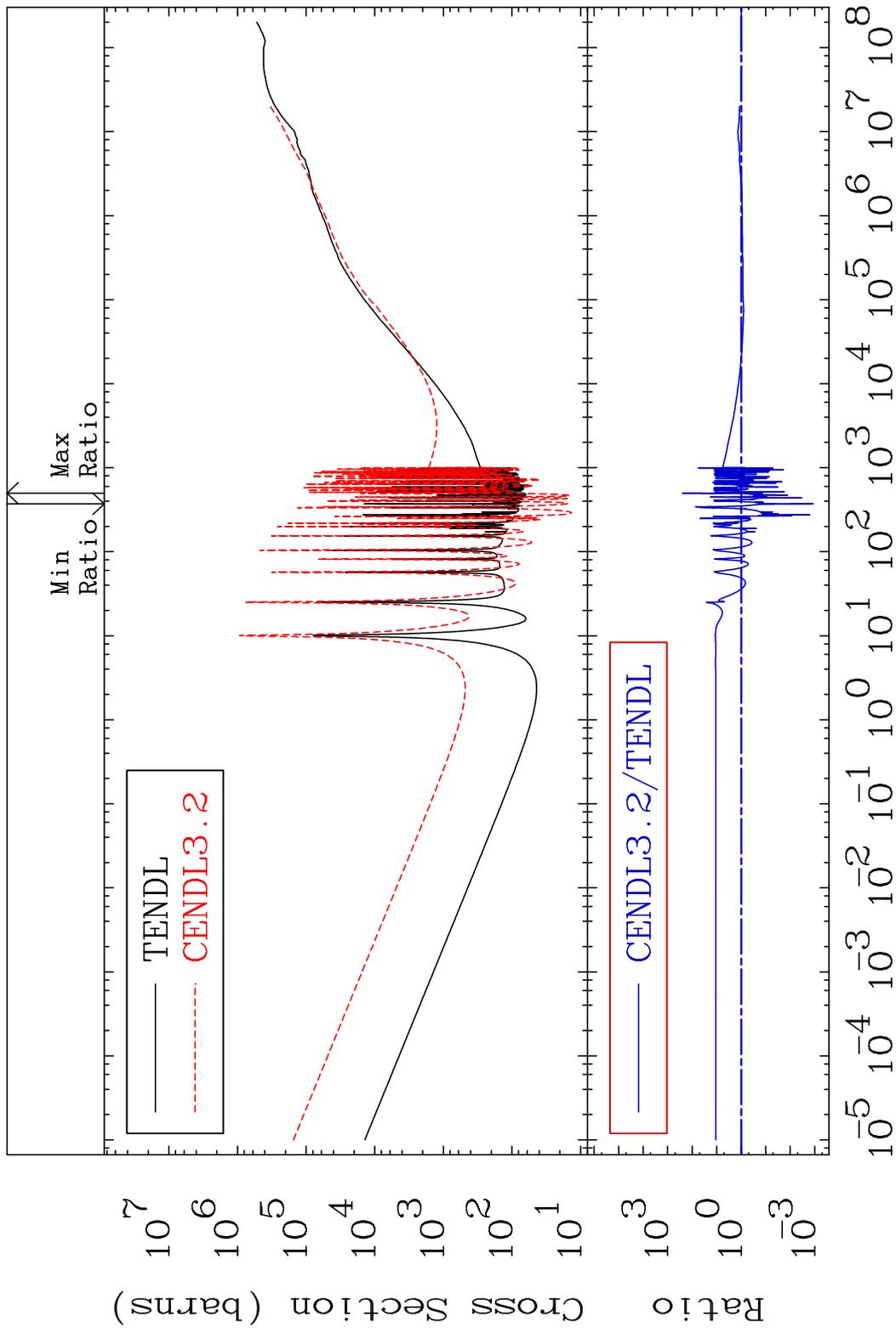
44-Ru-99



MAT 4434 Total kinematic kerma (high limit) 44-Ru-99
 Cross Section -99.77 To 1830. %



MAT 4434 Dpa total (eV-barns) 44-Ru-99
 Cross Section -99.88 To 9999. %

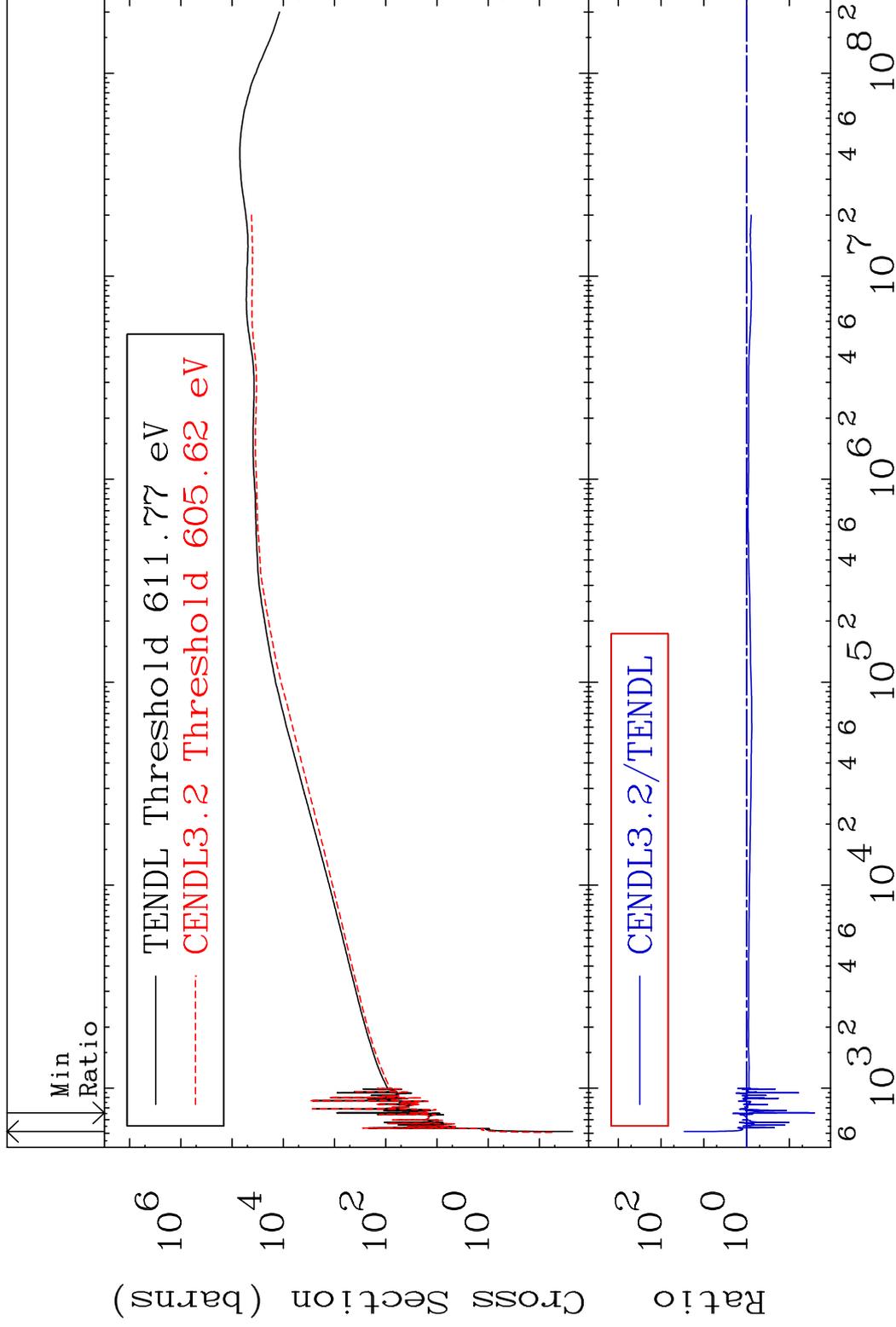


MAT 4434

Dpa elastic (mt2)

44-Ru-99

Cross Section -97.43 To 2795. %



39

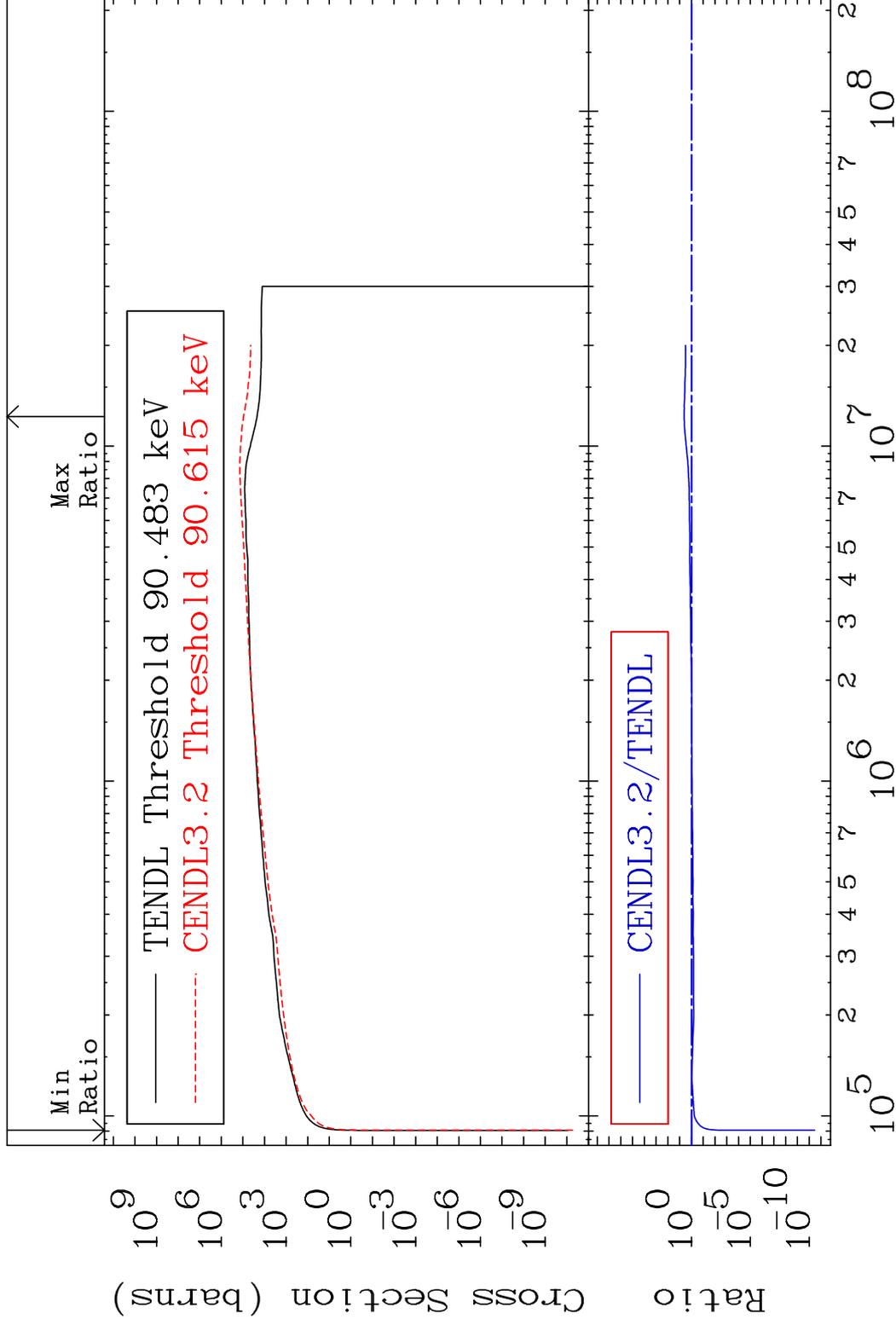
Incident Energy (eV)

44-Ru-99

MAT 4434

Dpa inelastic (mt51-91) 44-Ru-99

Cross Section -100.0 To 318.3 %

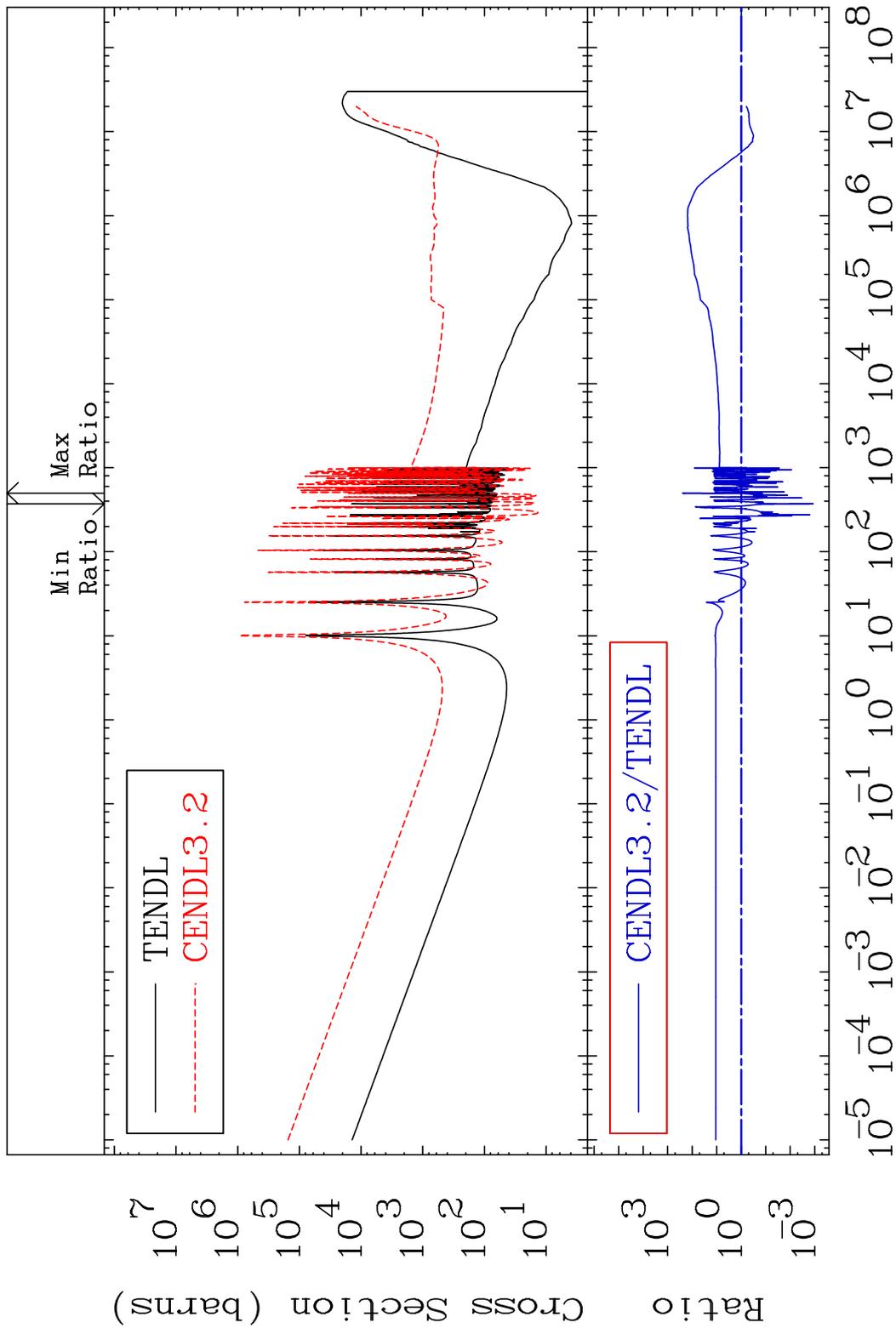


40

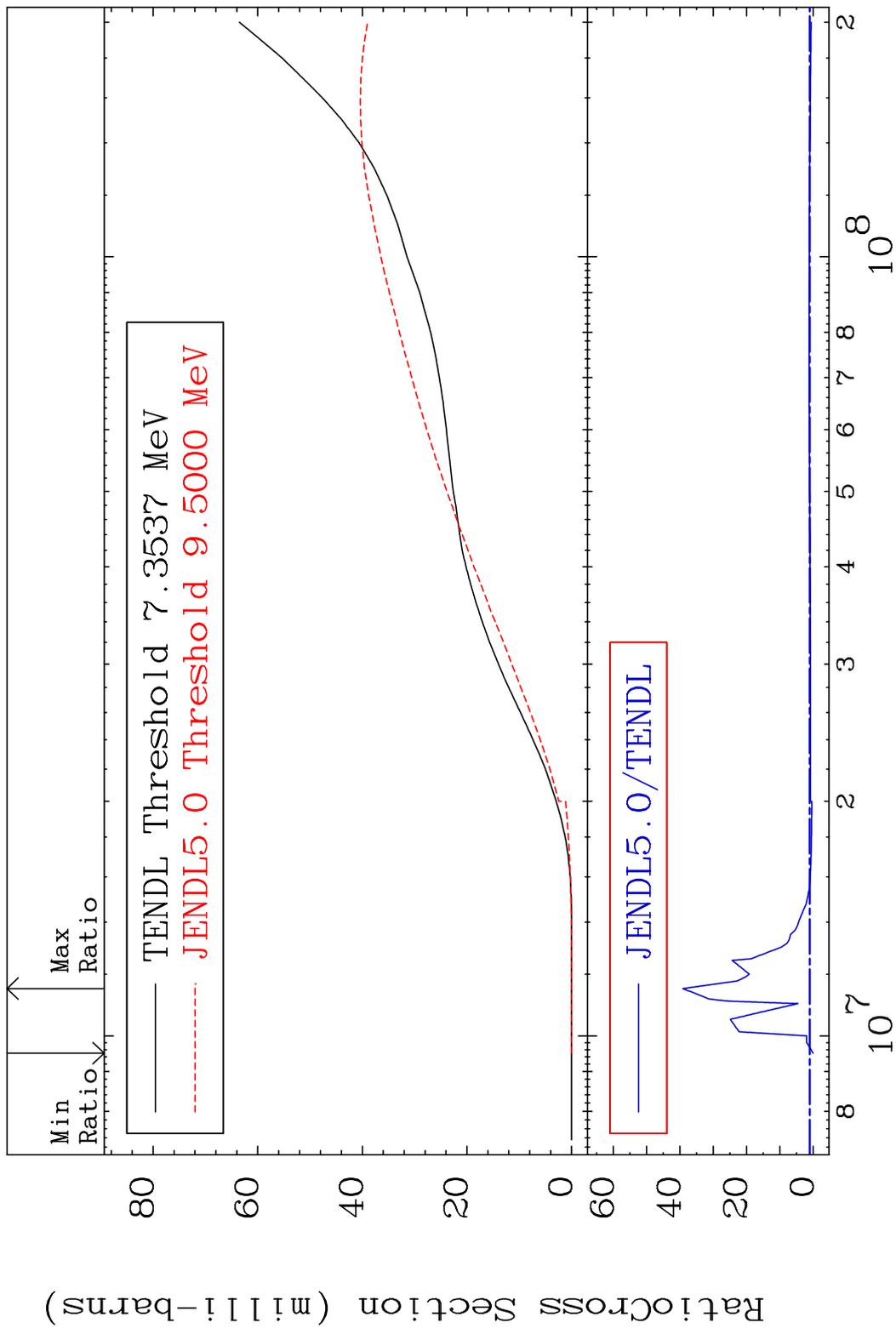
Incident Energy (eV)

44-Ru-99

MAT 4434 Dpa disappearance (mt102 -120) 44-Ru-99
 Cross Section -99.88 To 9999. %

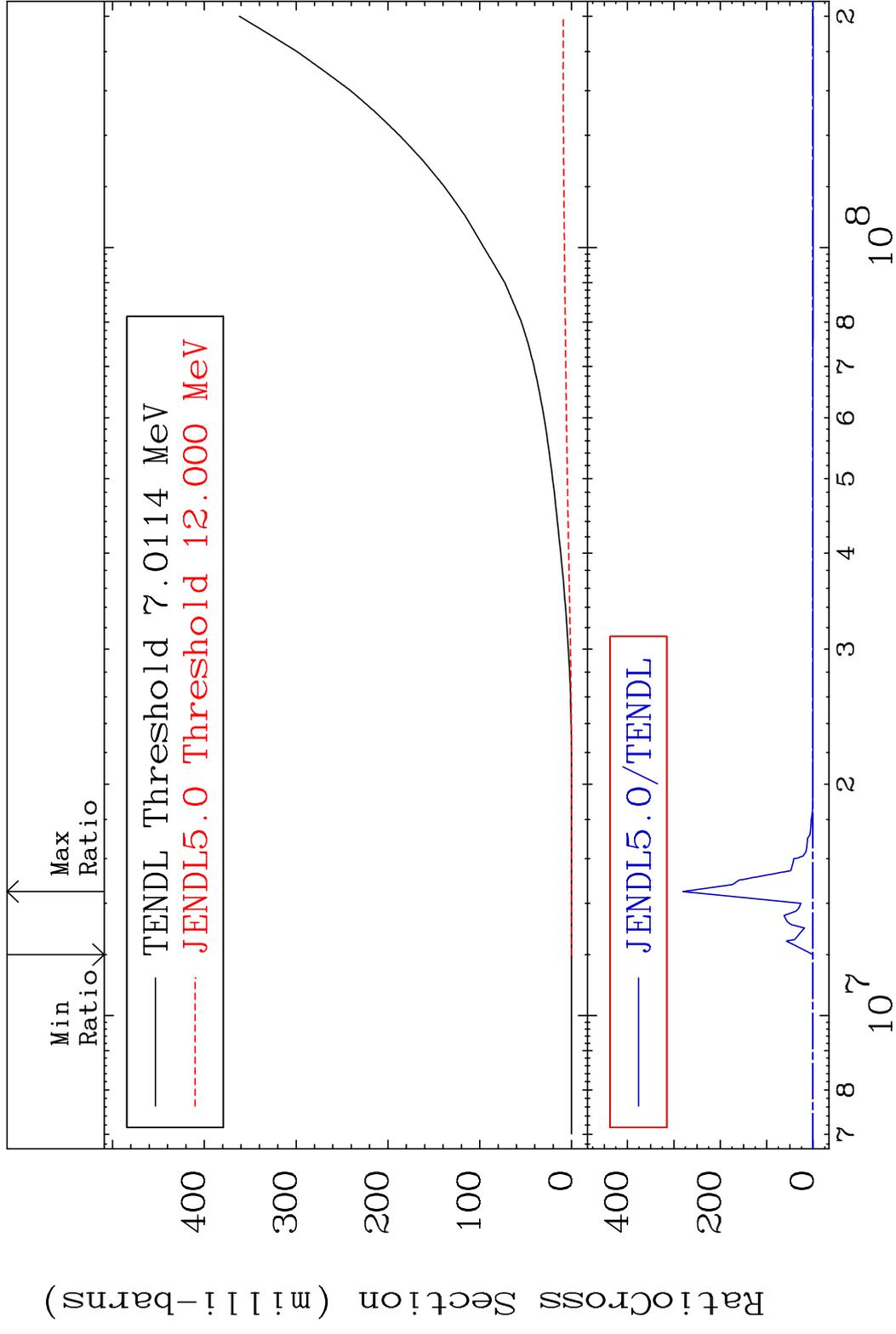


MAT 4434 Tritium Production 44-Ru-99
 Cross Section -100.0 To 3812. %



42 44-Ru-99

MAT 4434 He-3 Production 44-Ru-99
 Cross Section -100.0 To 9999. %



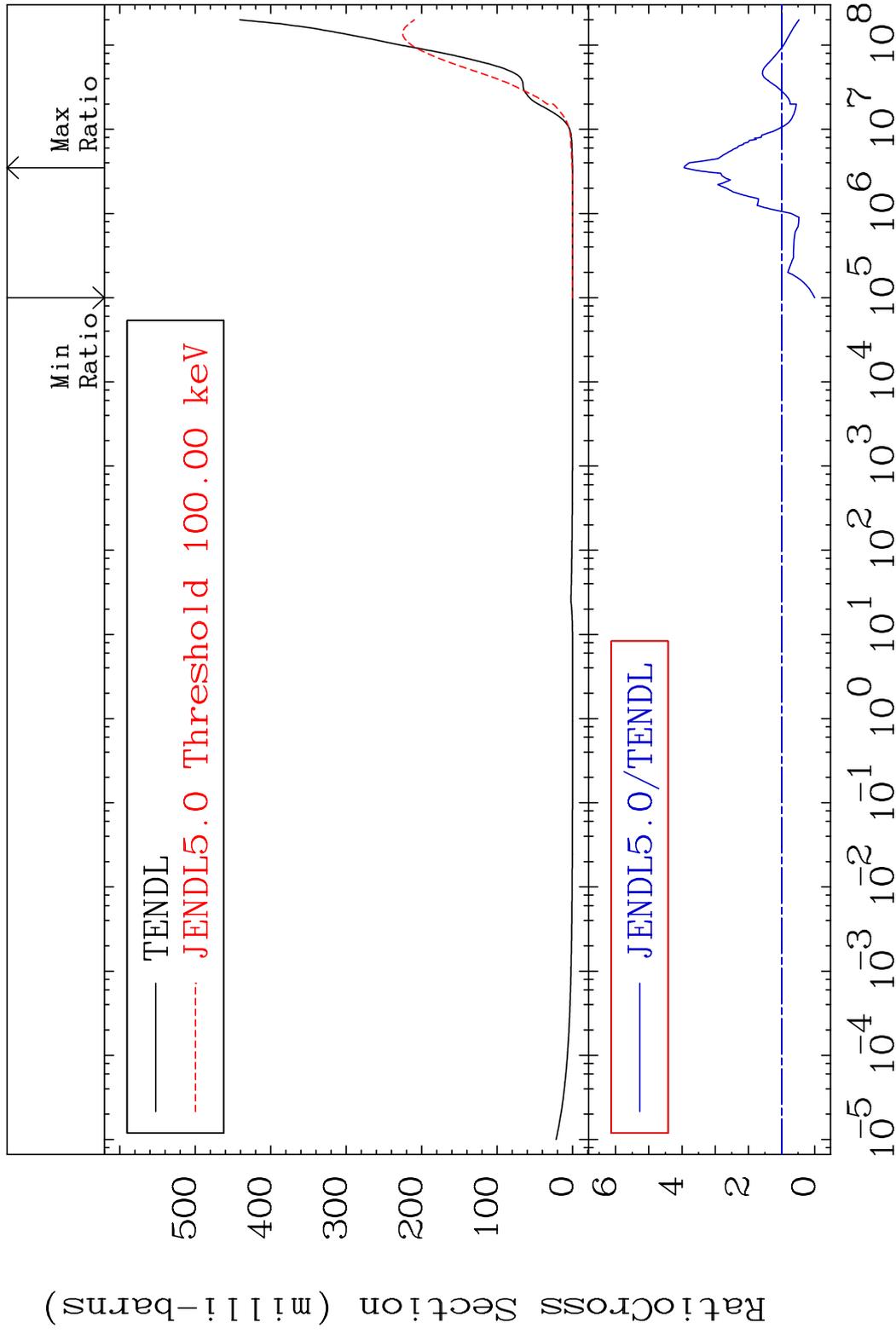
43 44-Ru-99

MAT 4434

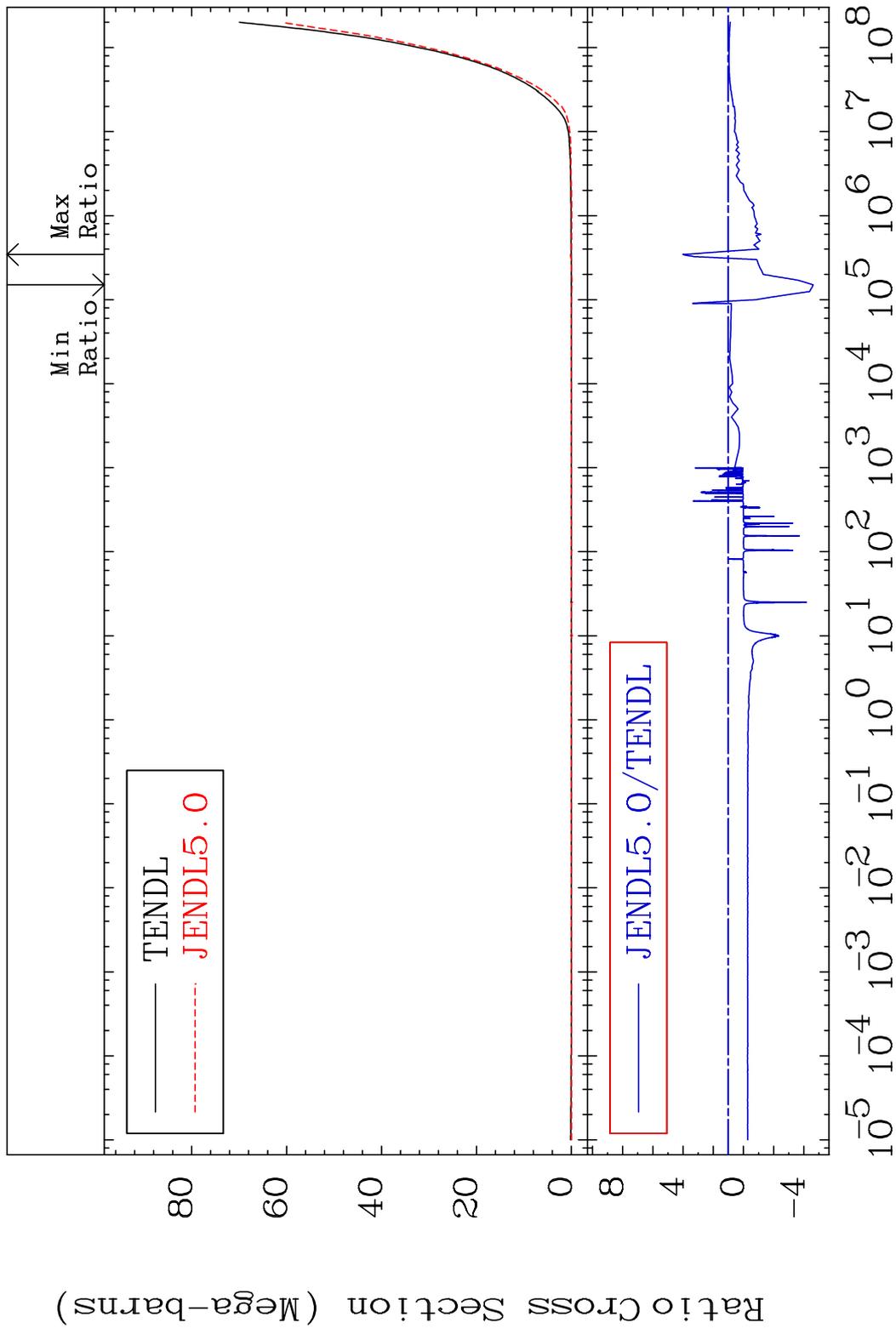
He-4 Production

44-Ru-99

Cross Section -100.0 To 293.6 %



MAT 4434 Kerma total (eV-barns) 44-Ru-99
Cross Section -561.7 To 301.5 %

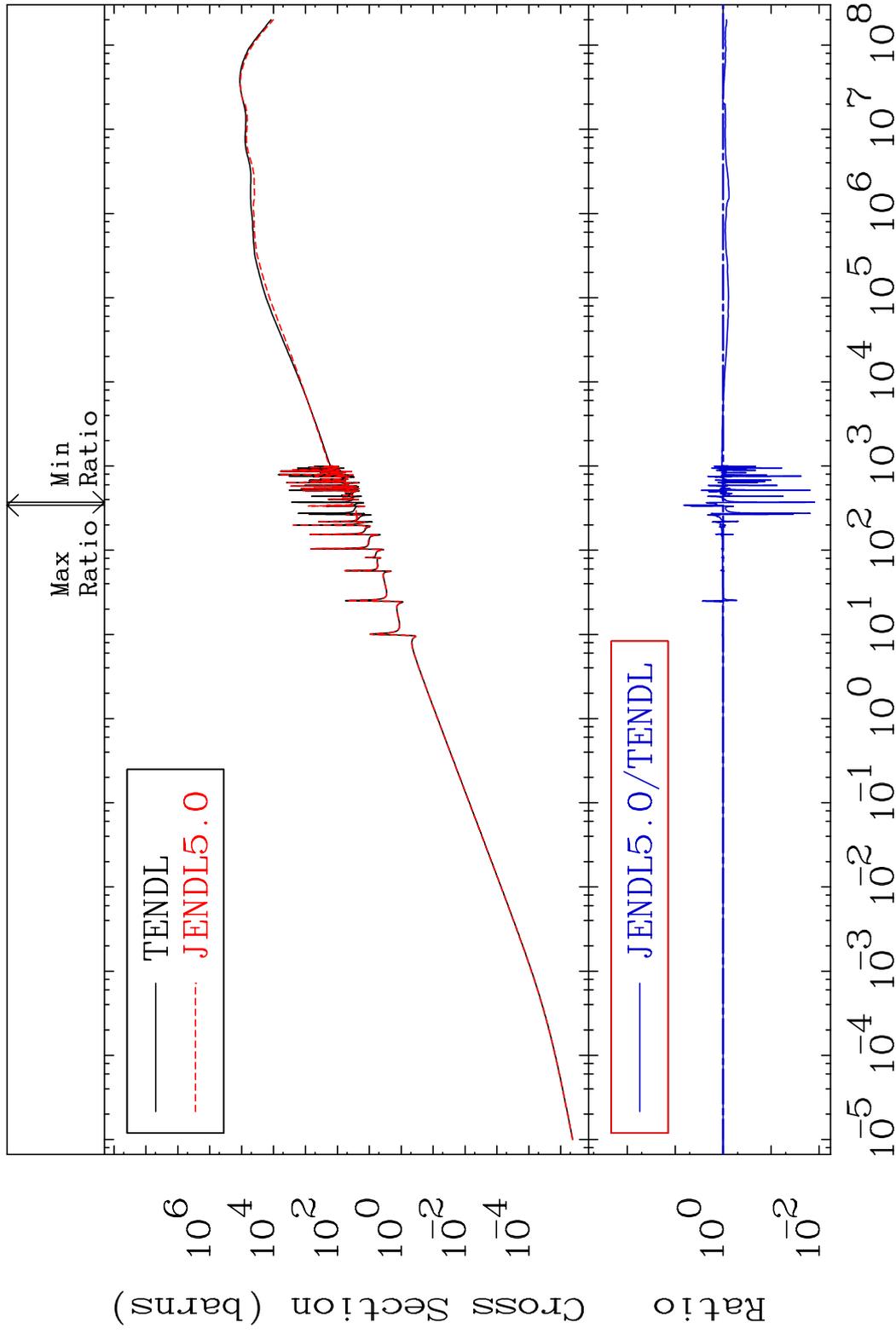


MAT 4434

Kerma elastic

44-Ru-99

Cross Section -98.76 To 549.8 %

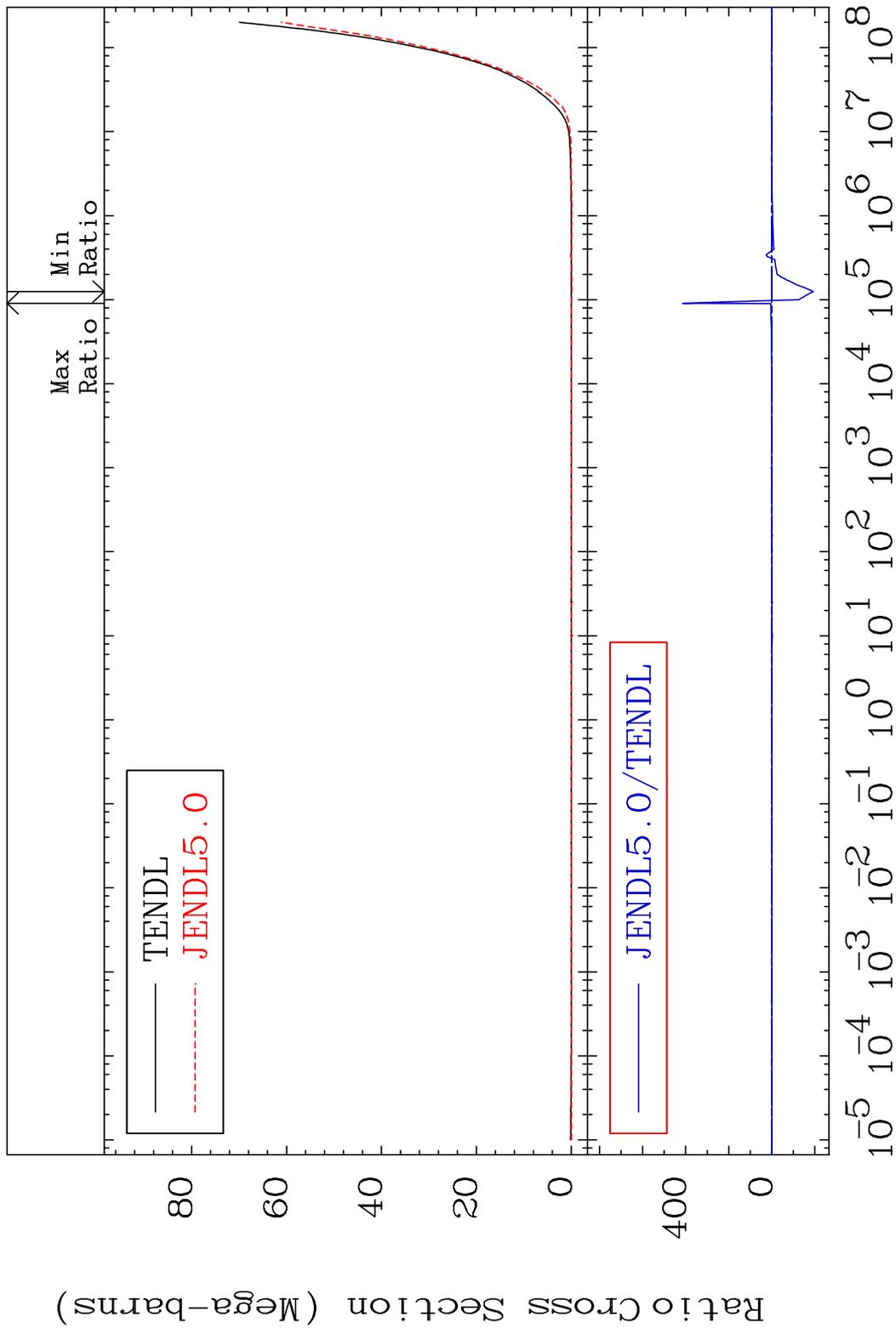


46

Incident Energy (eV)

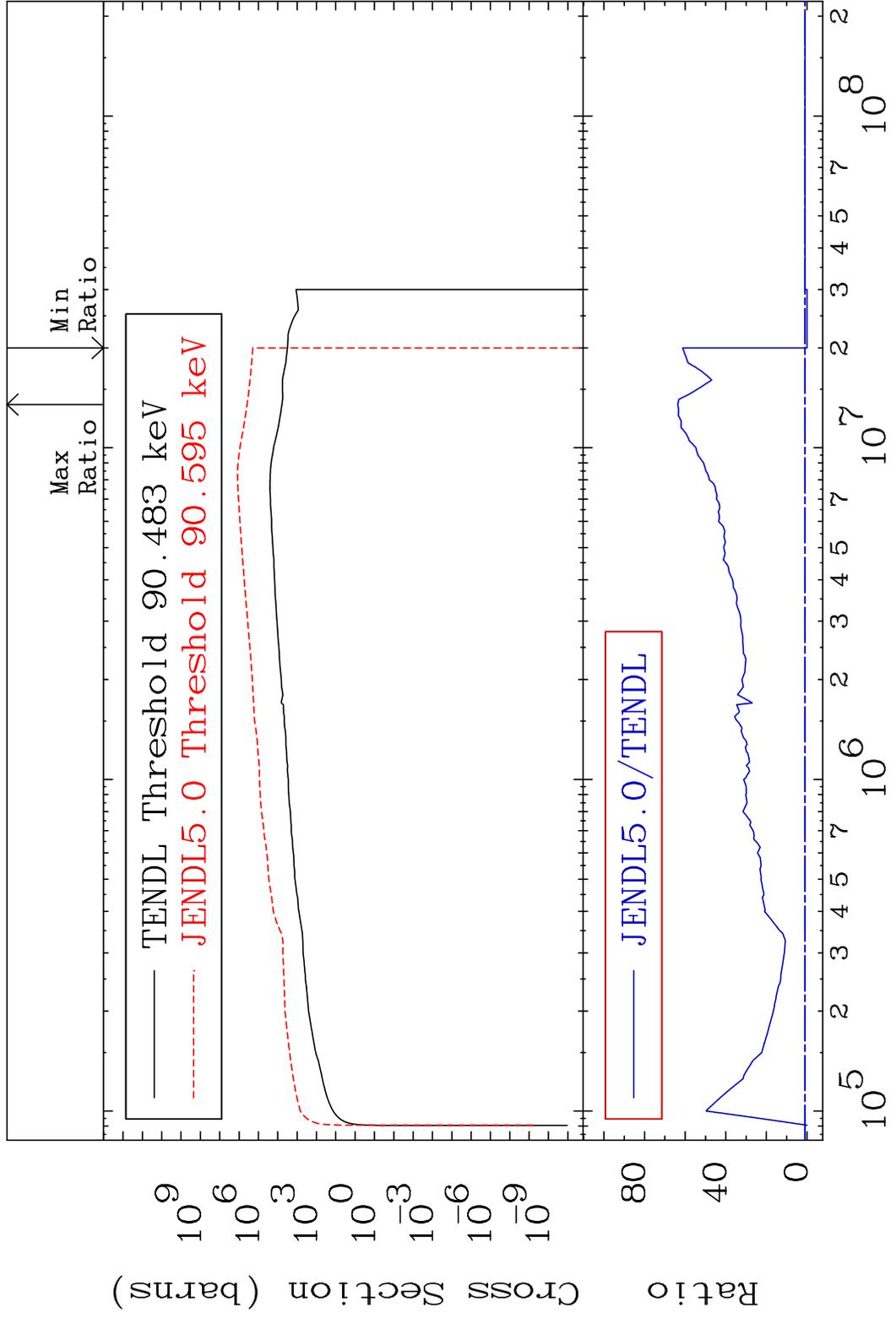
44-Ru-99

MAT 4434 Kerma non-elastic (all but mt2) 44-Ru-99
Cross Section -9999. To 9999. %



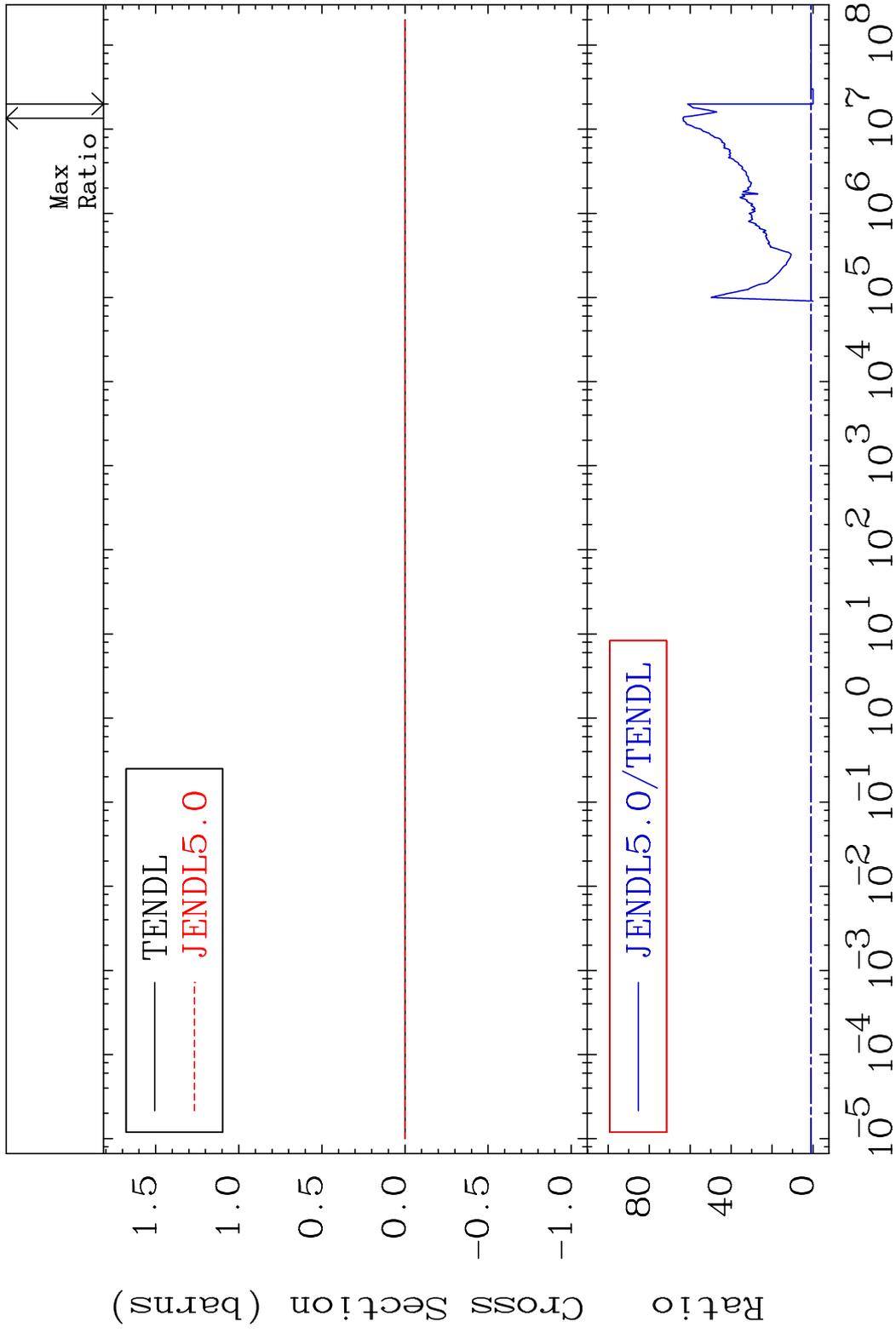
44-Ru-99

MAT 4434 Kerma inelastic (mt51-91) 44-Ru-99
 Cross Section -100.0 To 6269. %



48 44-Ru-99

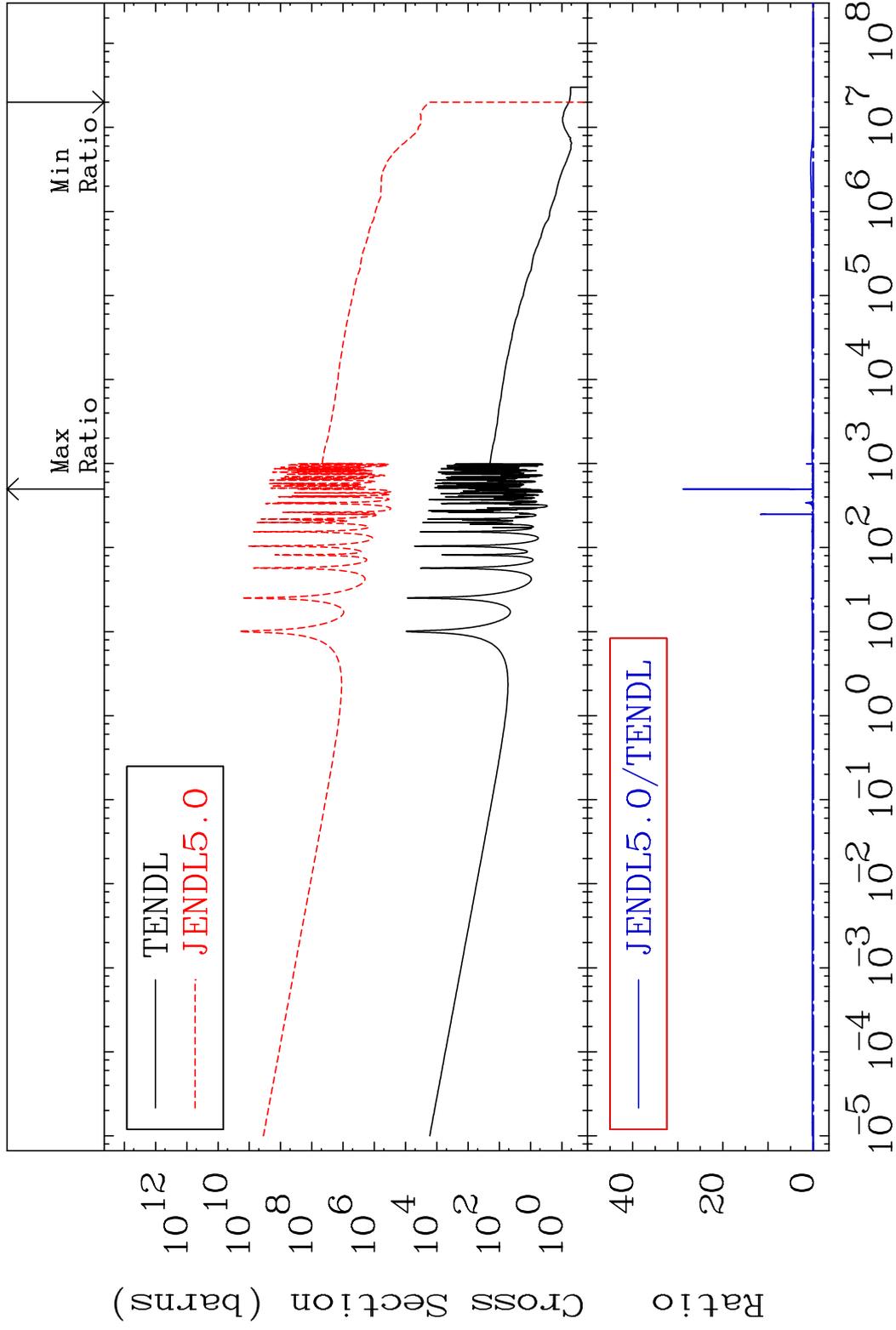
MAT 4434 Kerma fission (mt18 or mt19-20-21-38) 44-Ru-99
 Cross Section -100.0 To 6269. %



MAT 4434

Kerma capture (mt102) 44-Ru-99

Cross Section -100.0 To 9999. %

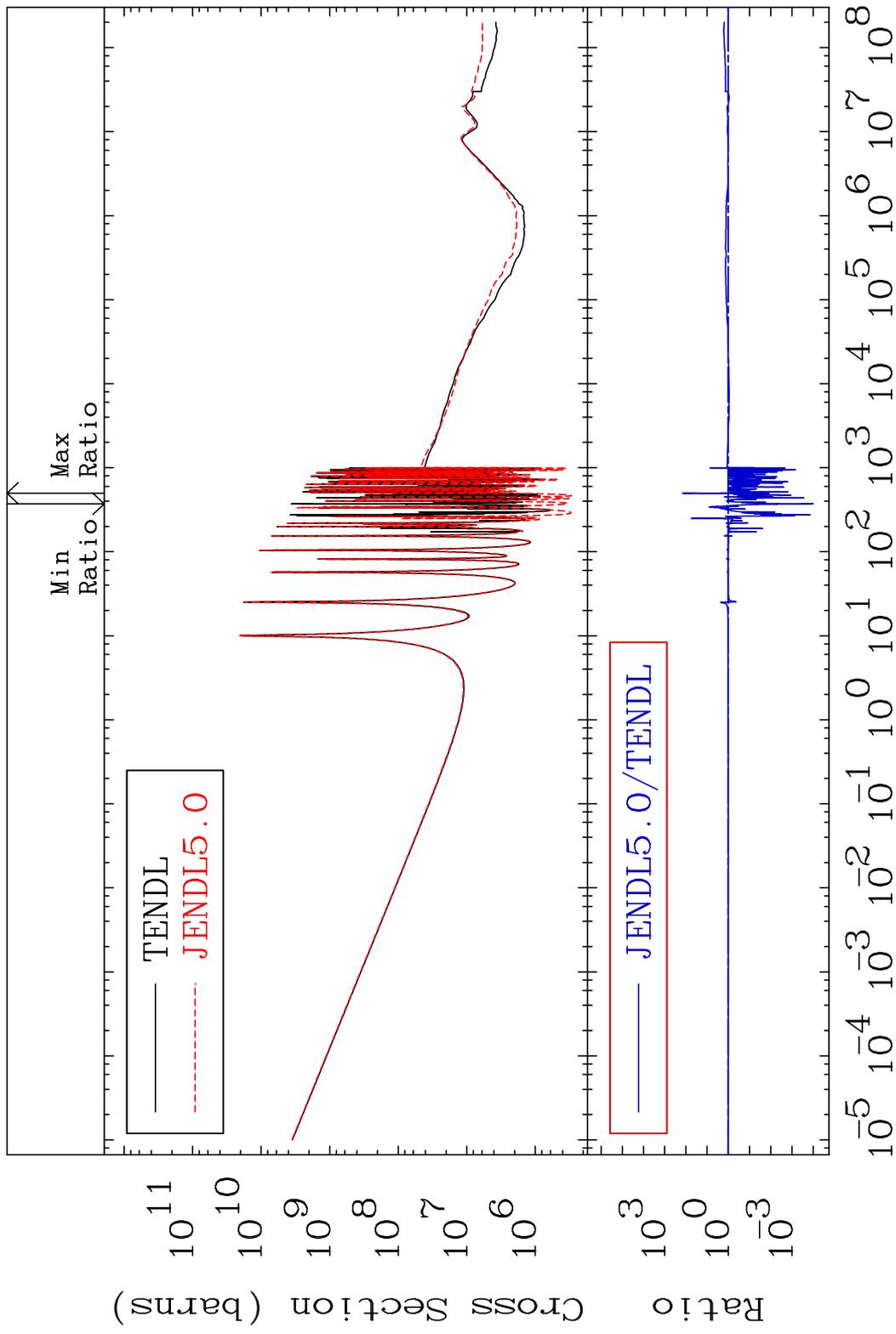


50

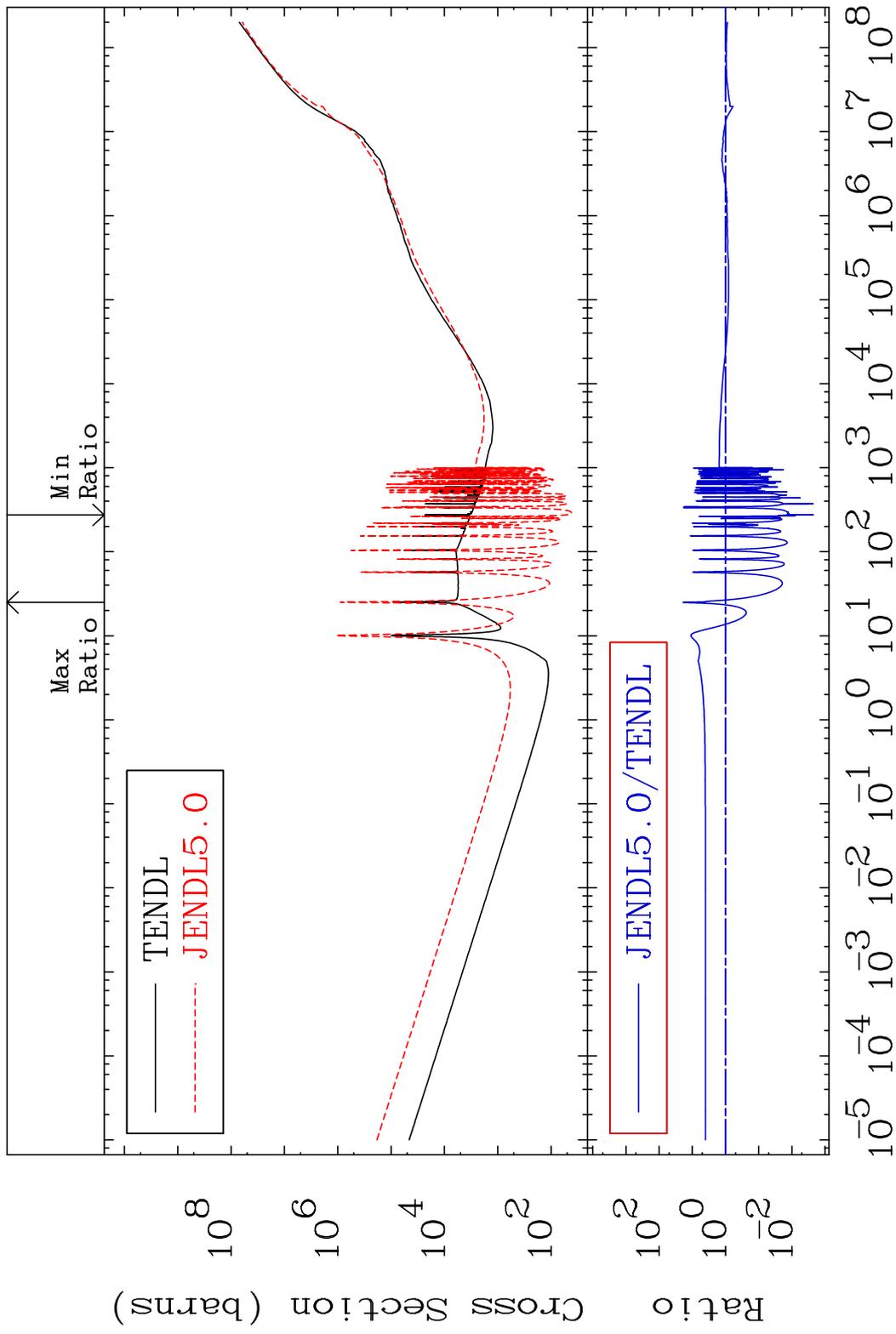
Incident Energy (eV)

44-Ru-99

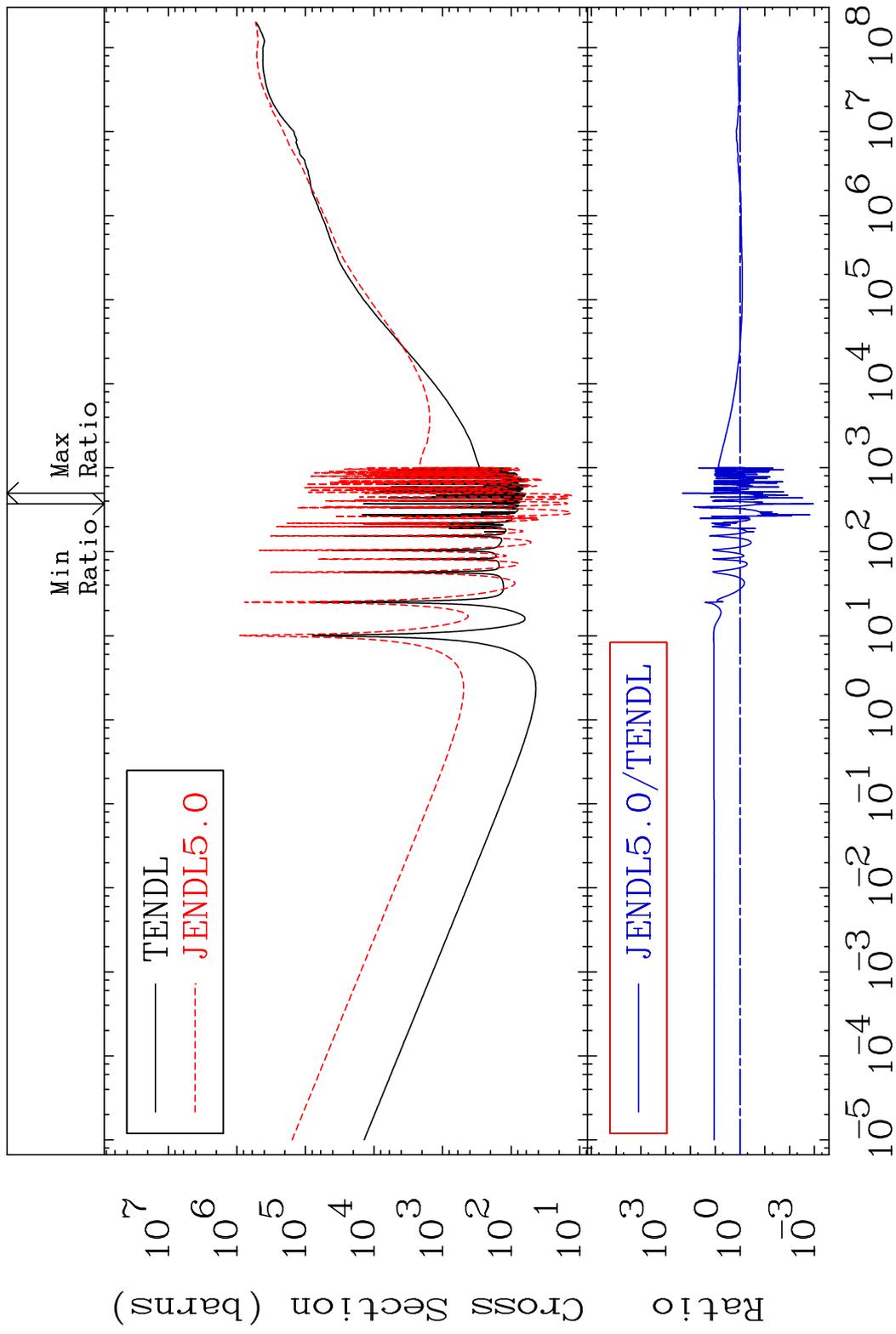
MAT 4434 Total photon (eV-barns) 44-Ru-99
 Cross Section -99.99 To 9999. %



MAT 4434 Total kinematic kerma (high limit) 44-Ru-99
 Cross Section -99.77 To 1831. %



MAT 4434 Dpa total (eV-barns) 44-Ru-99
 Cross Section -99.89 To 9999. %

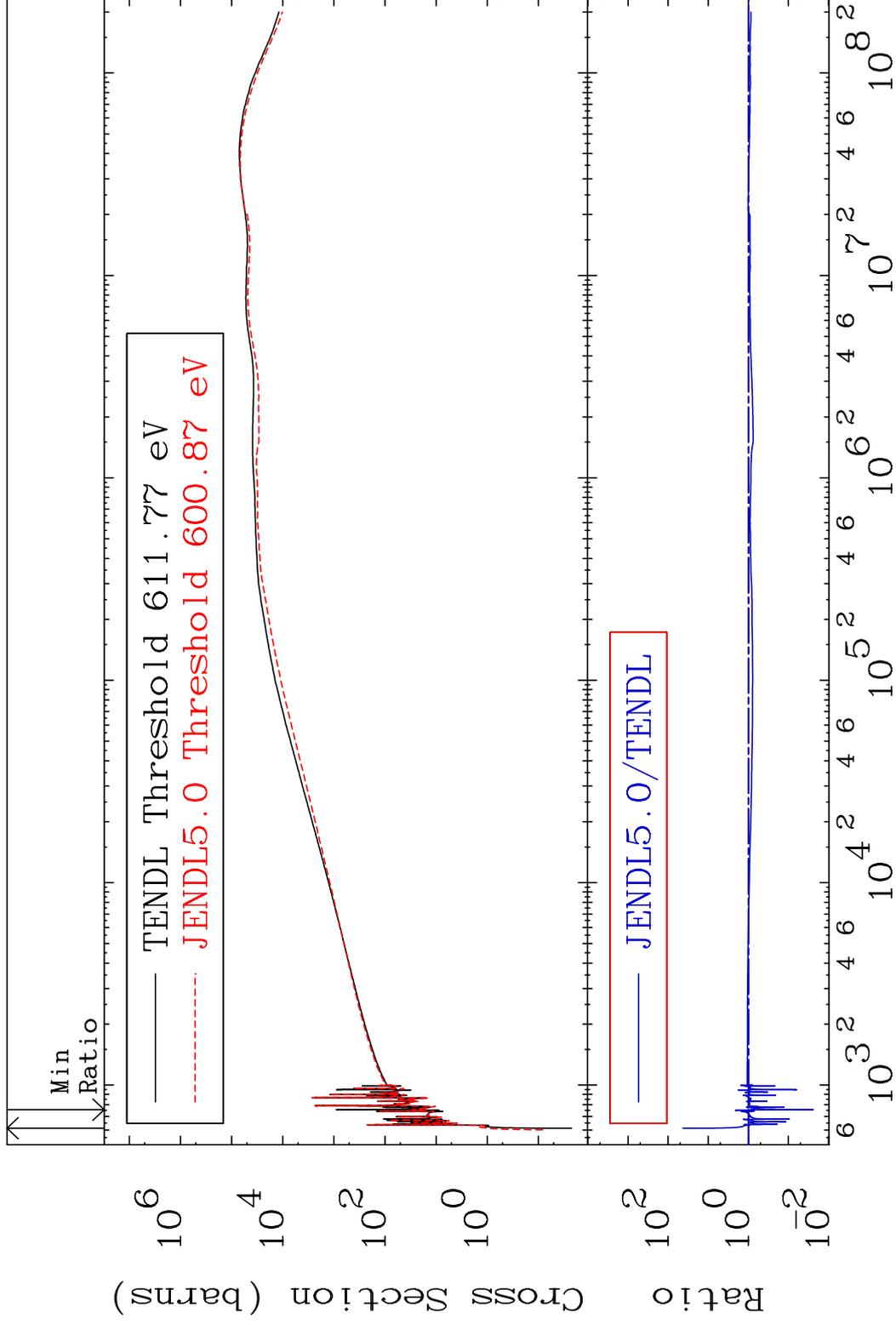


MAT 4434

Dpa elastic (mt2)

44-Ru-99

Cross Section -97.59 To 4193. %

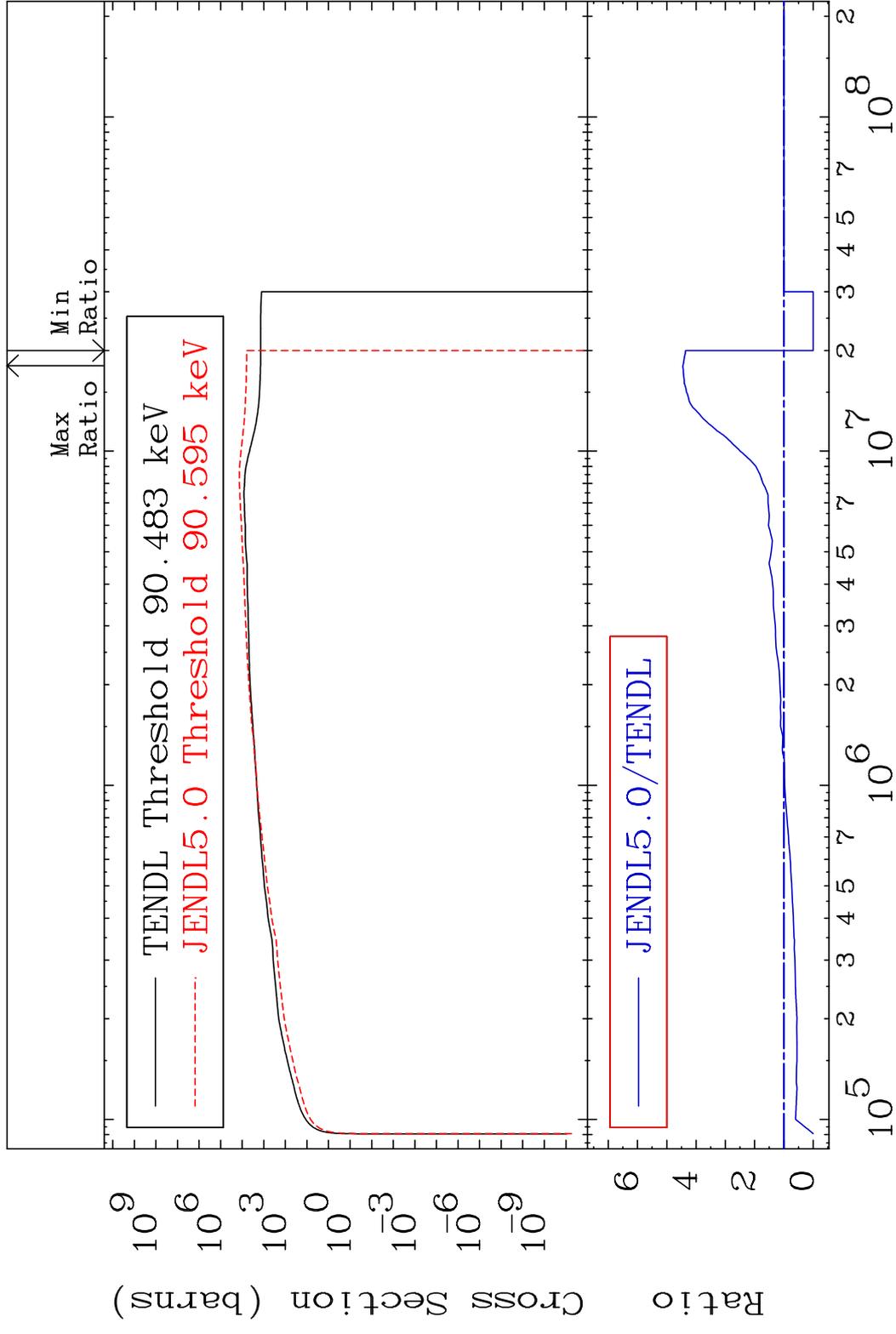


54

Incident Energy (eV)

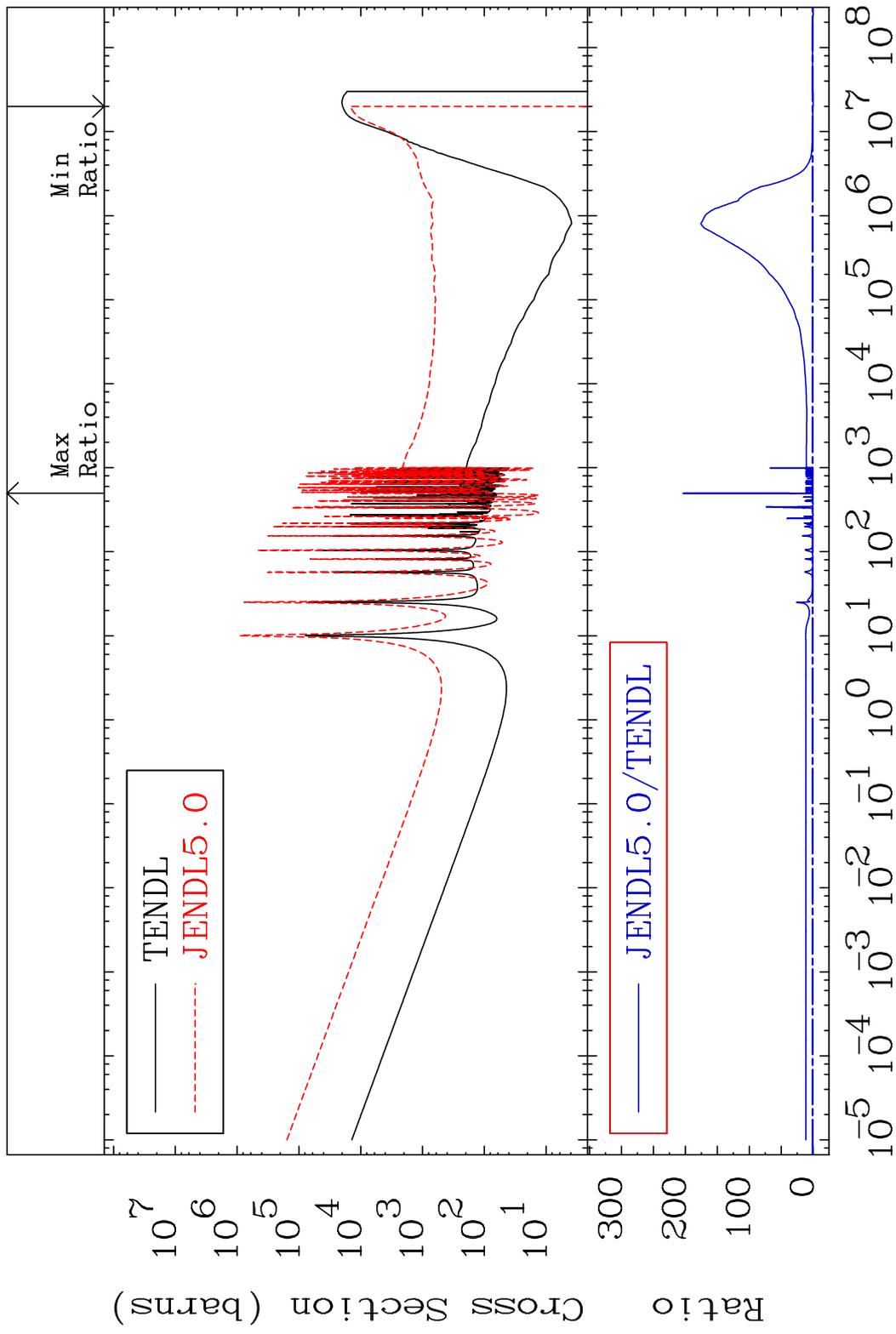
44-Ru-99

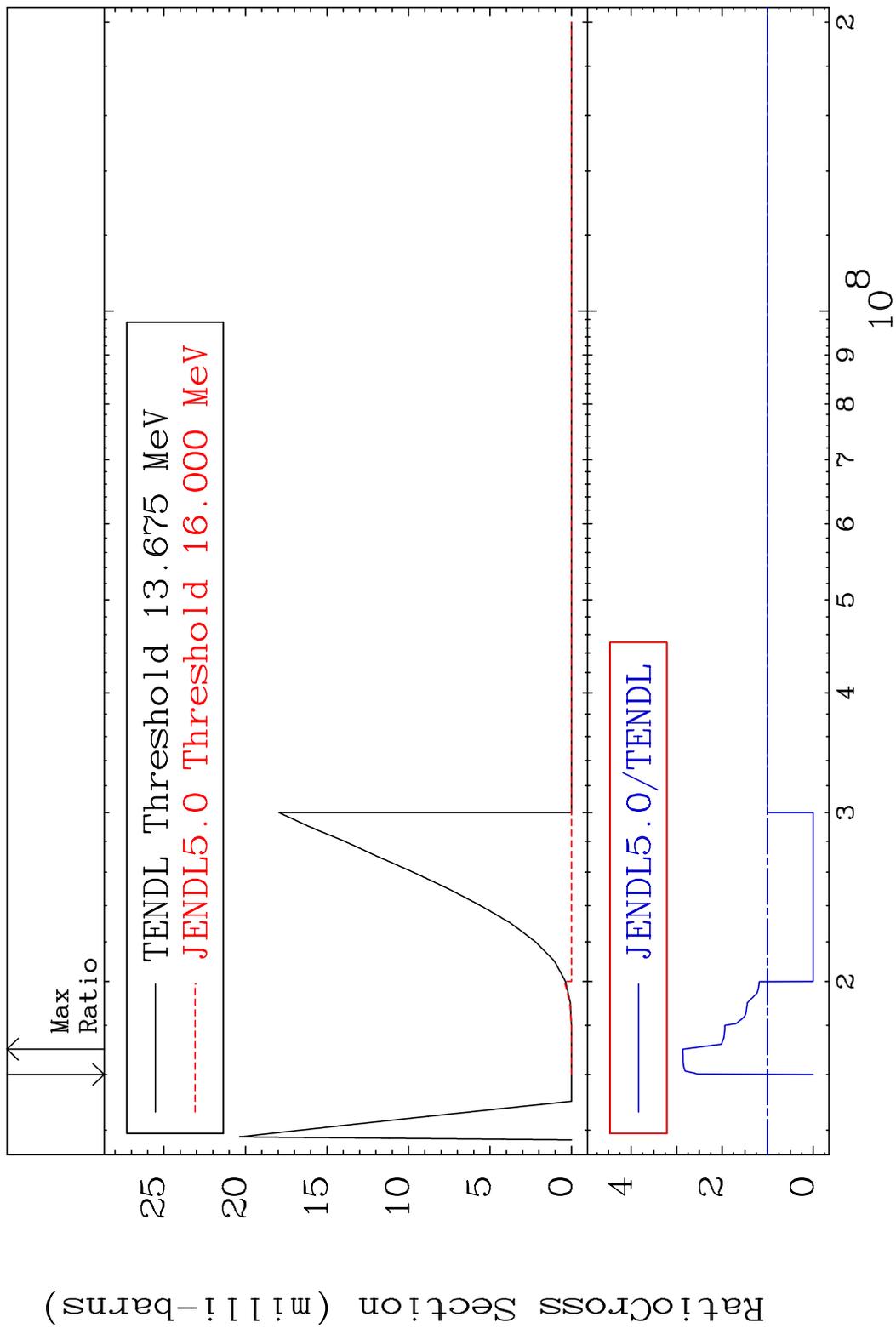
MAT 4434 Dpa inelastic (mt51-91) 44-Ru-99
 Cross Section -100.0 To 345.2 %



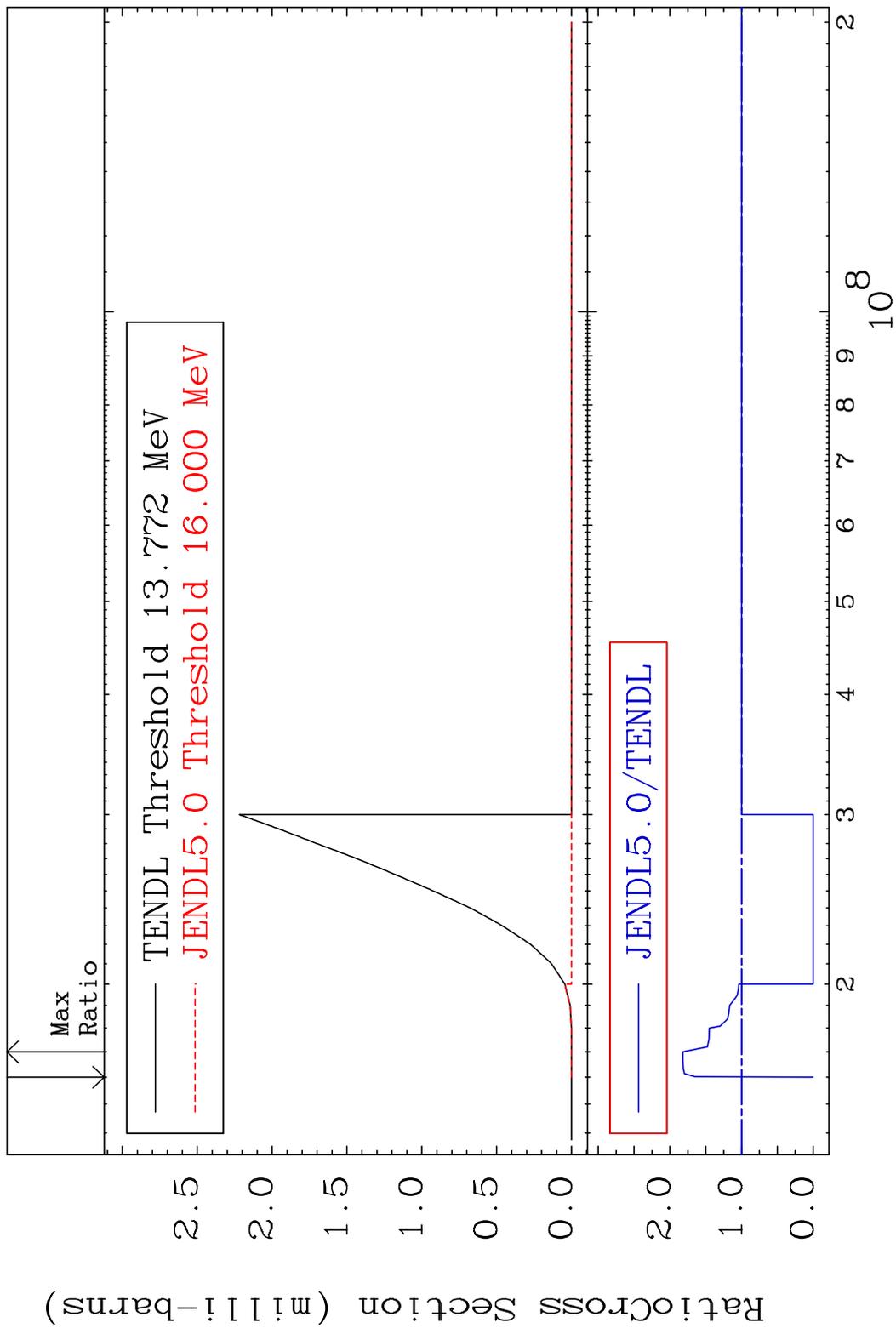
55 Incident Energy (eV) 44-Ru-99

MAT 4434 Dpa disappearance (mt102 -120) 44-Ru-99
 Cross Section -100.0 To 9999. %





MAT 4434 (n, n') d:43-Tc-97m1 44-Ru-99
 Radionuclide Production Cross Section Ratio 81.95 %

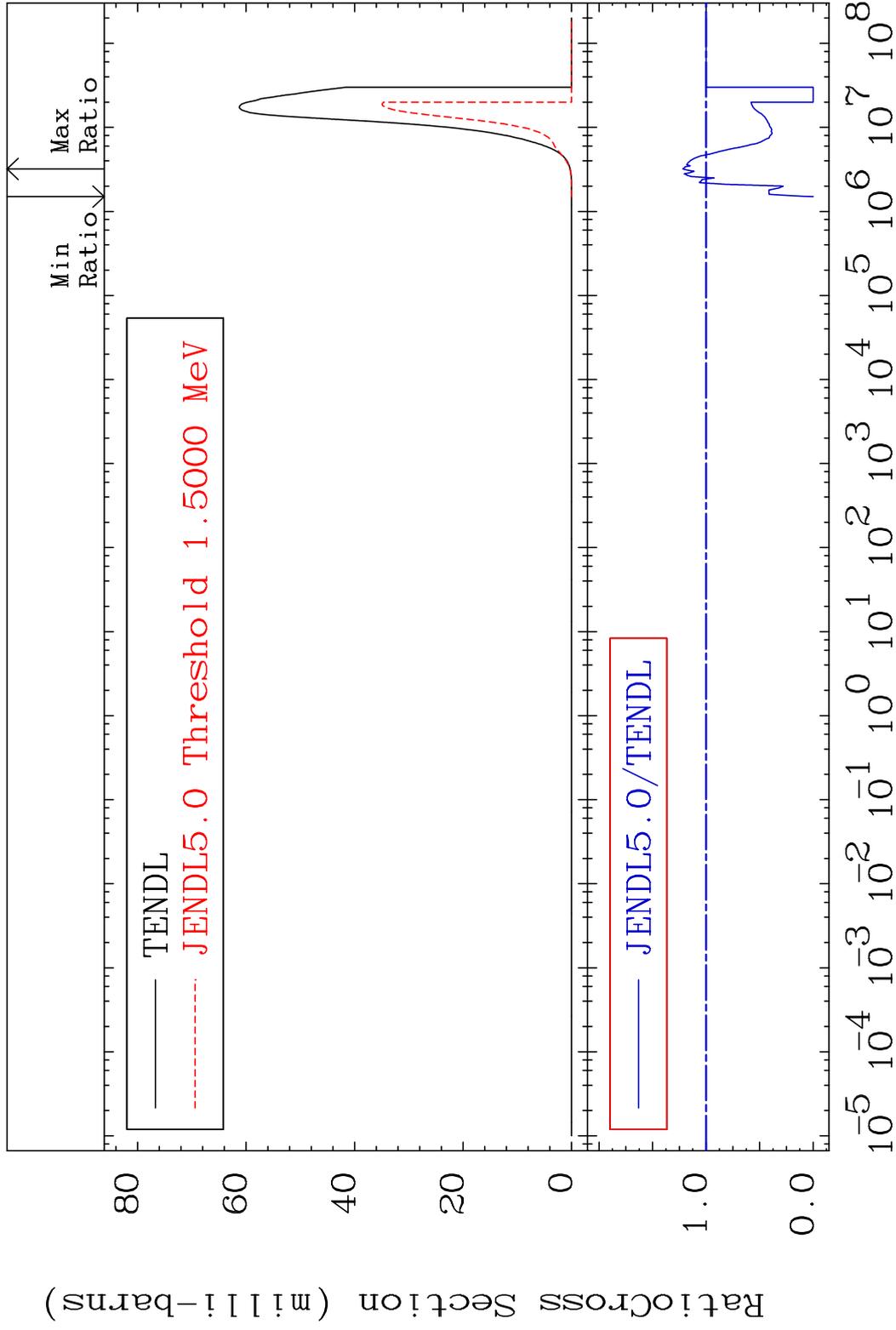


MAT 4434

(n, p) : 43-Tc-99g

44-Ru-99

Radionuclide Production Cross Section Ratio 21.73 %



59

Incident Energy (eV)

44-Ru-99

MAT 4434 (n,p):43-Tc-99m2 44-Ru-99
 Radionuclide Production Cross Section 180.0 dth 124.6 %

