

Program Complot
(Version 2018-1)

by

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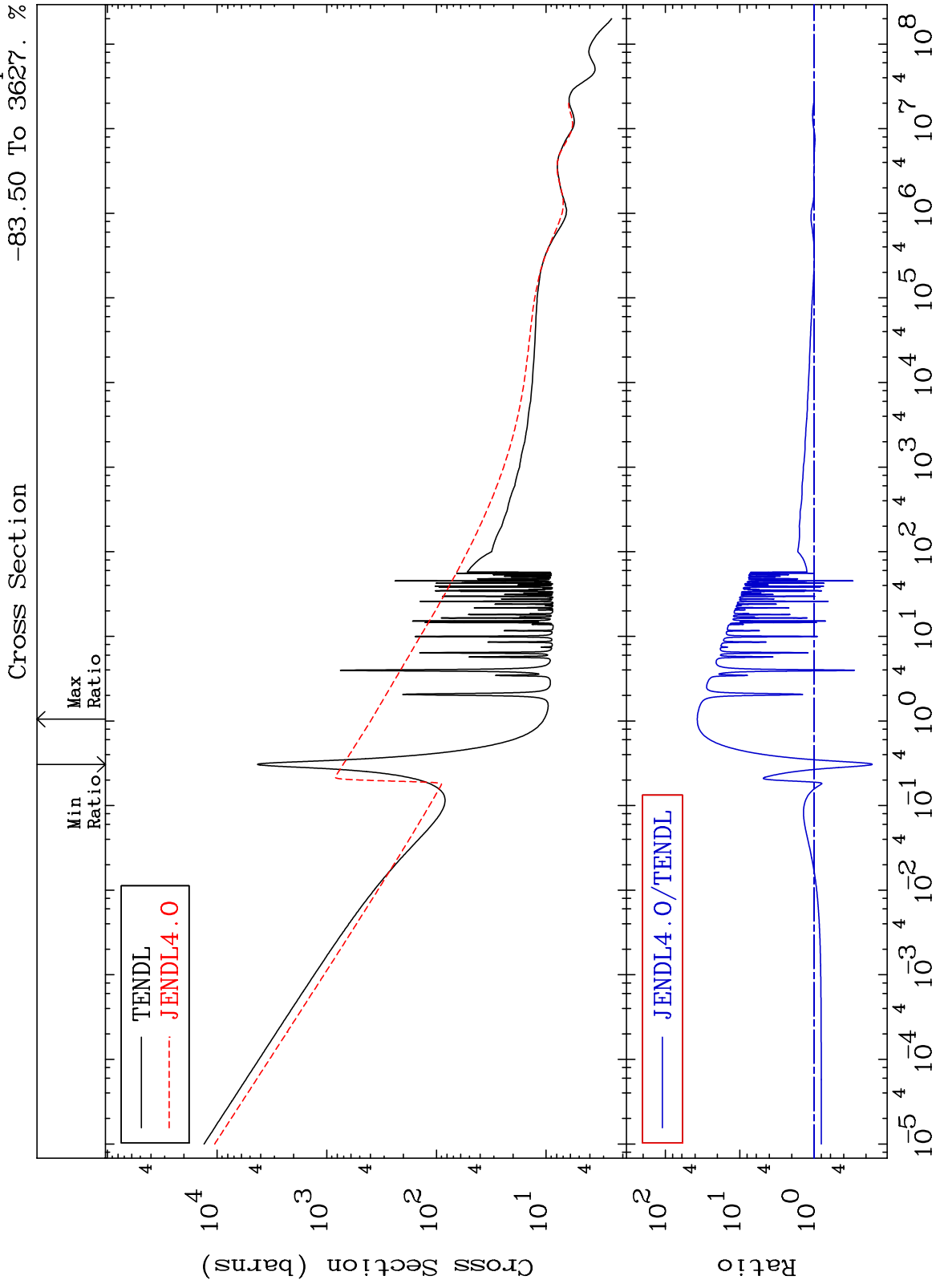
U.S.A.

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Web: redcullen1.net/HOMEPAGE.NEW

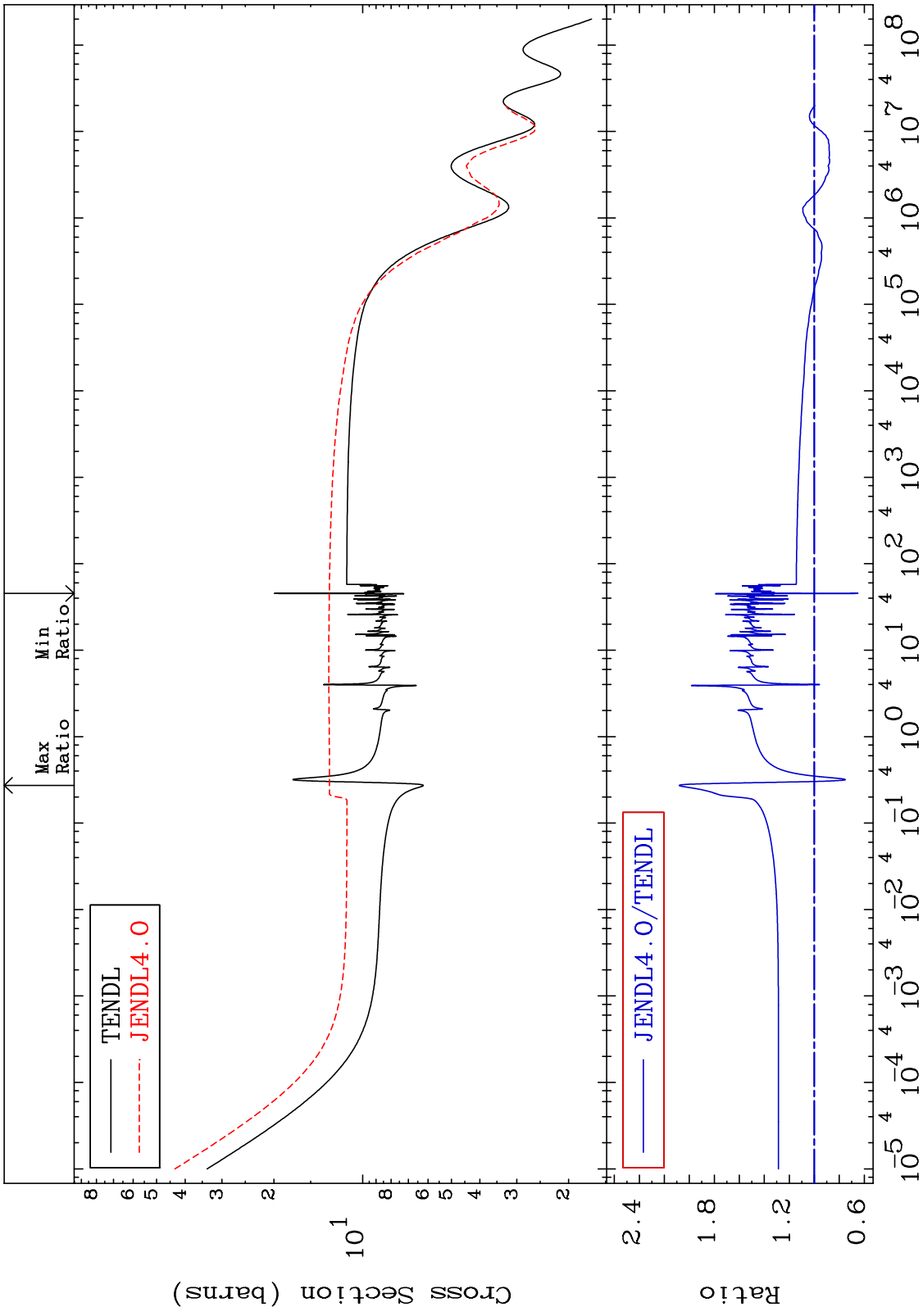
Press Mouse Button to Start

MAT 9340 93-Np-235
Total -83.50 To 3627. %



1 93-Np-235

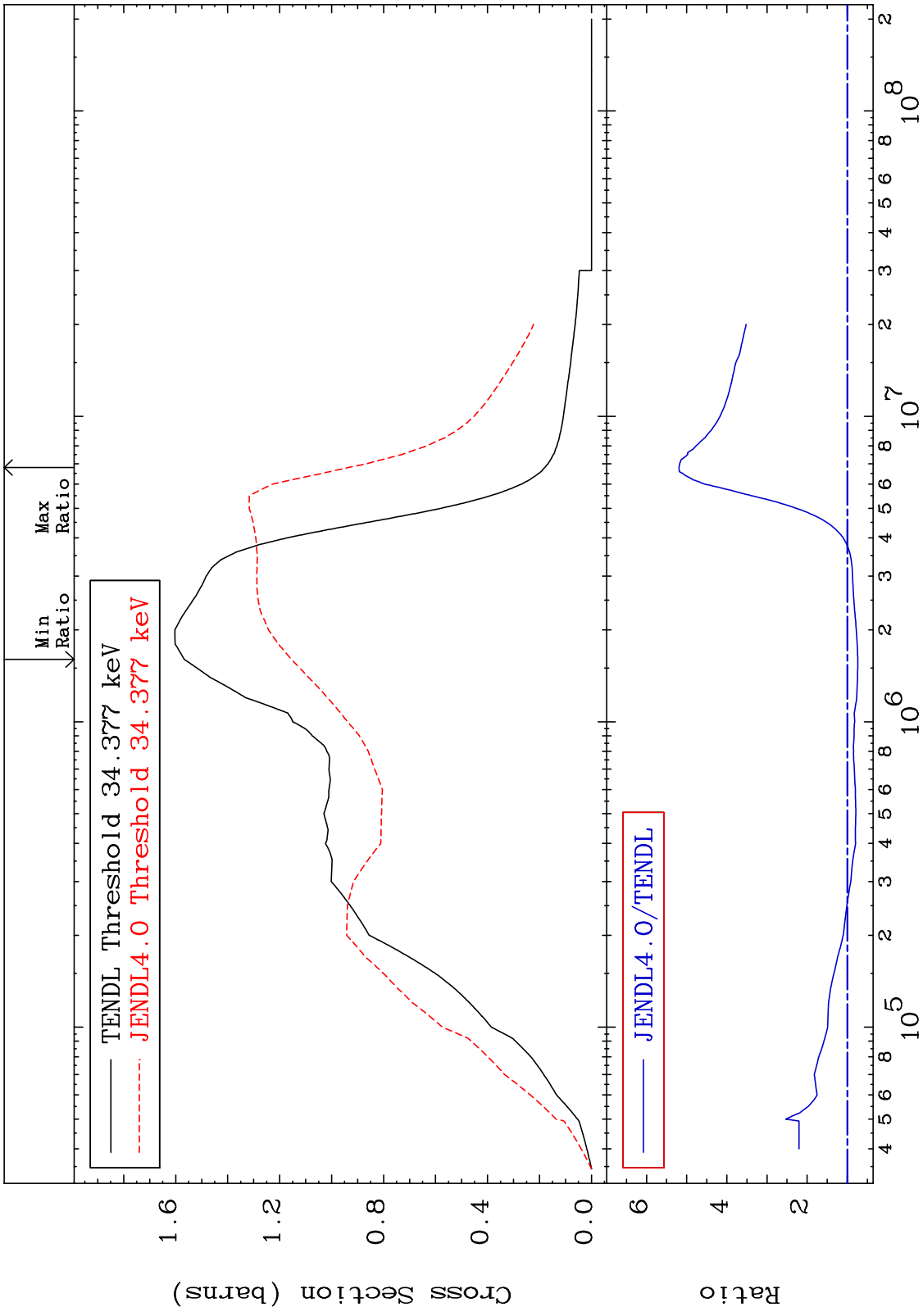
MAT 9340 Elastic Cross Section 93-Np-235
-34.86 To 108.2 %



2 Incident Energy (eV) 93-Np-235

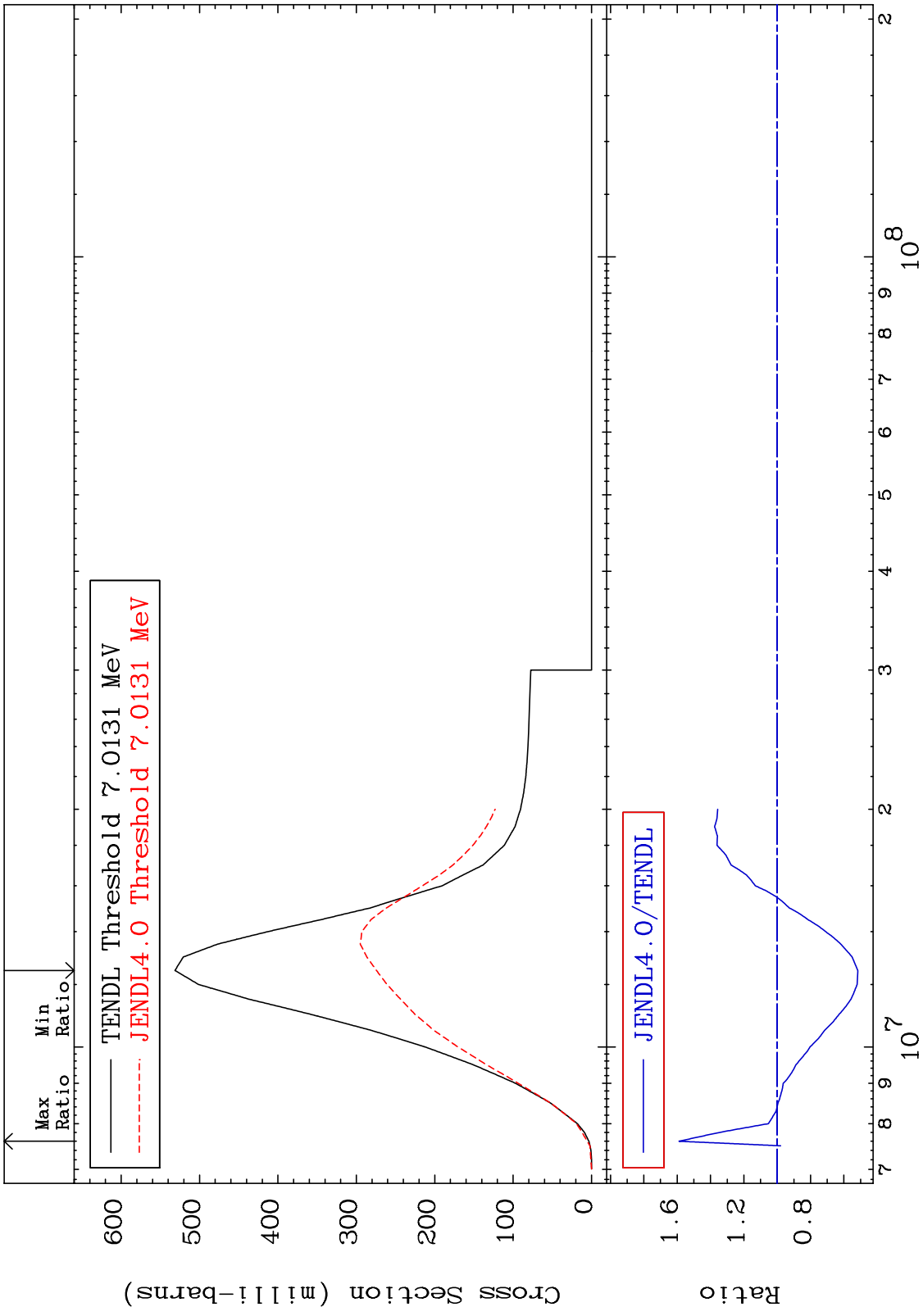
MAT 9340 93-Np-235
-26.32 To 419.0 %

Inelastic
Cross Section

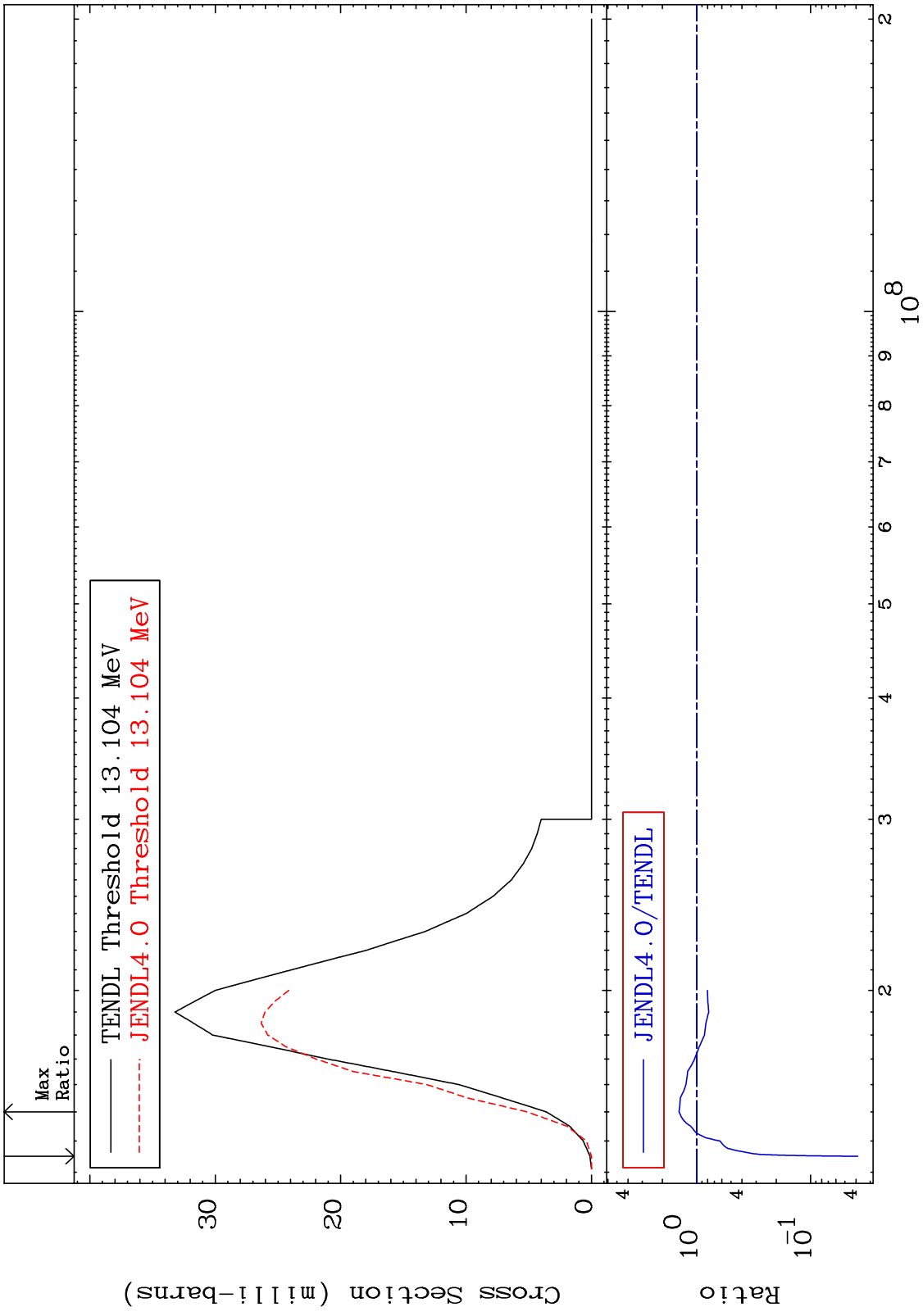


3 93-Np-235

MAT 9340 (n,2n) Cross Section 93-Np-235 -48.37 To 58.87 %



MAT 9340 (n,3n) Cross Section 93-Np-235 -96.15 To 42.67 %

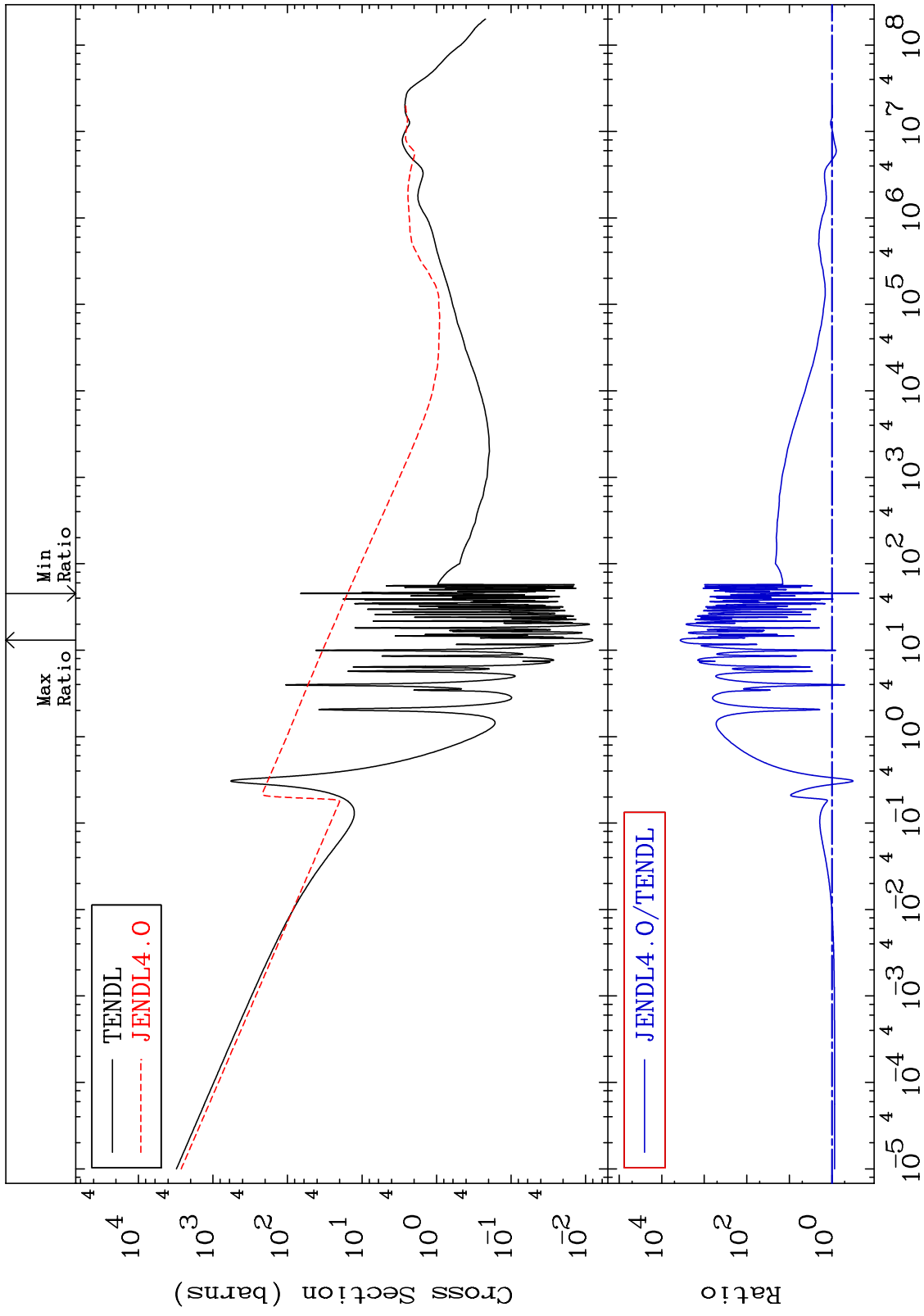


MAT 9340

93-Np-235

-76.75 To 9999. %

Fission
Cross Section



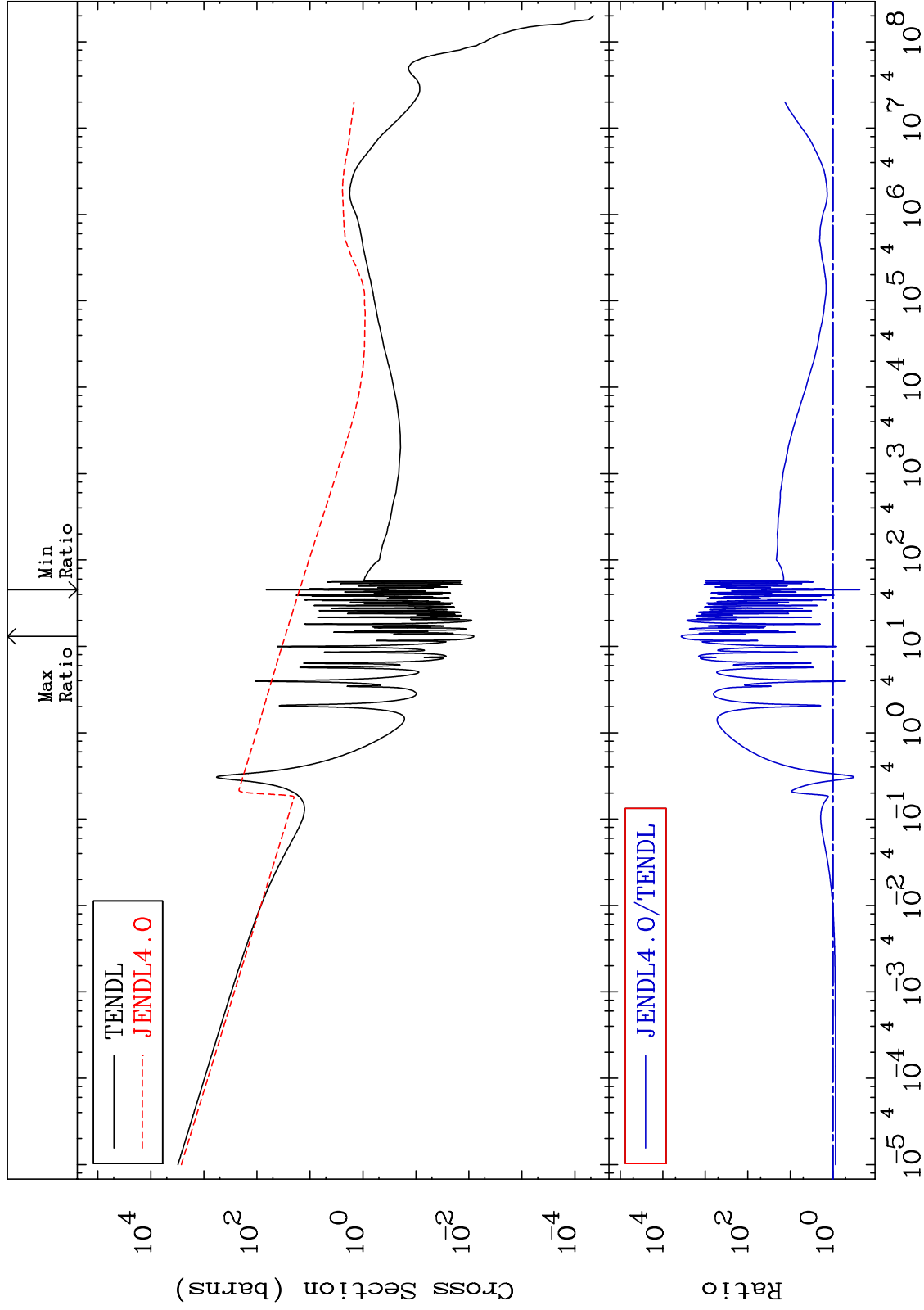
Incident Energy (eV)

93-Np-235

MAT 9340

(n,f) First Chance
Cross Section

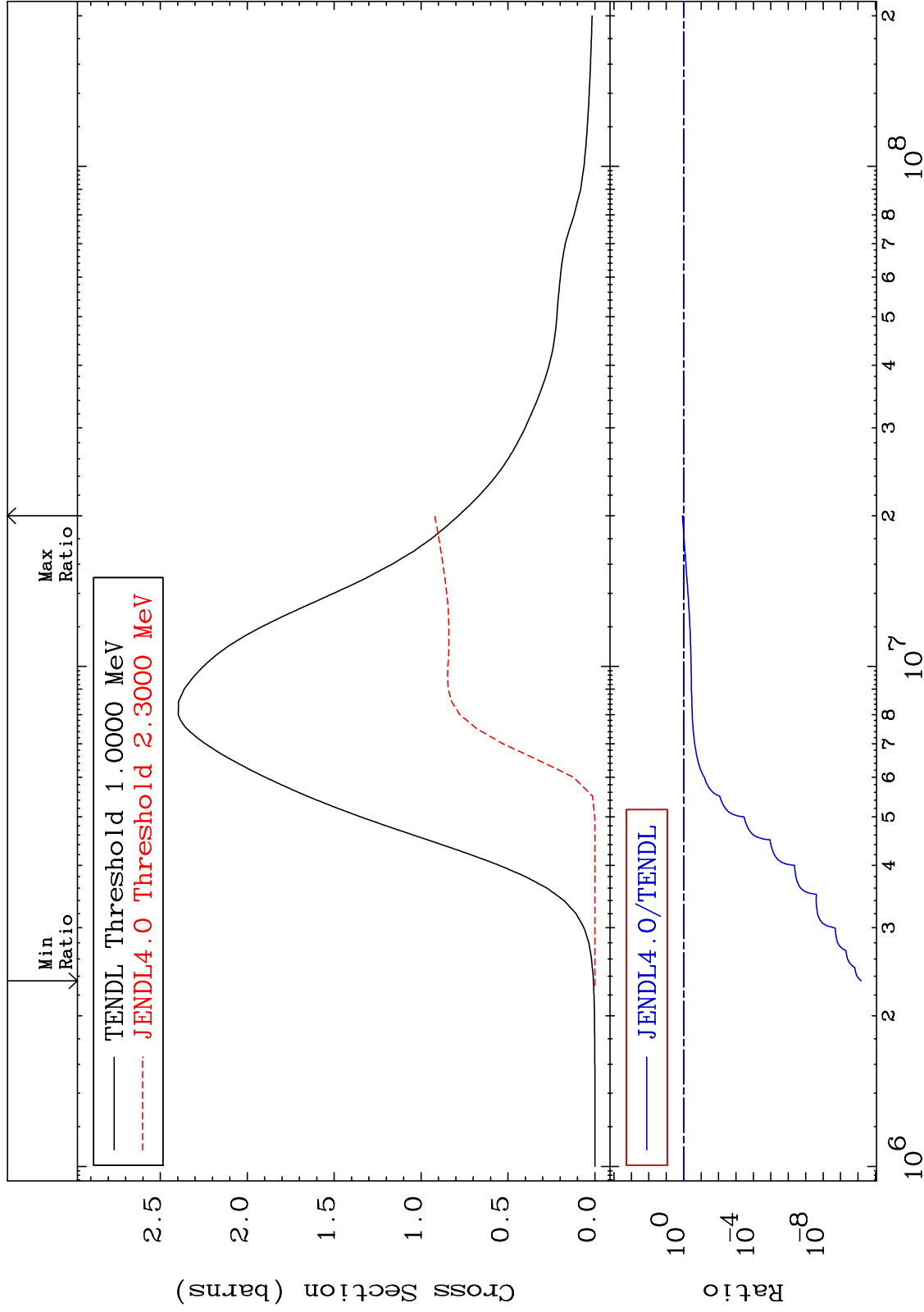
93-Np-235
-76.75 To 9999. %



MAT 9340

(n, nf) Second Chance
Cross Section

93-Np-235
-100.0 To 17.28 %



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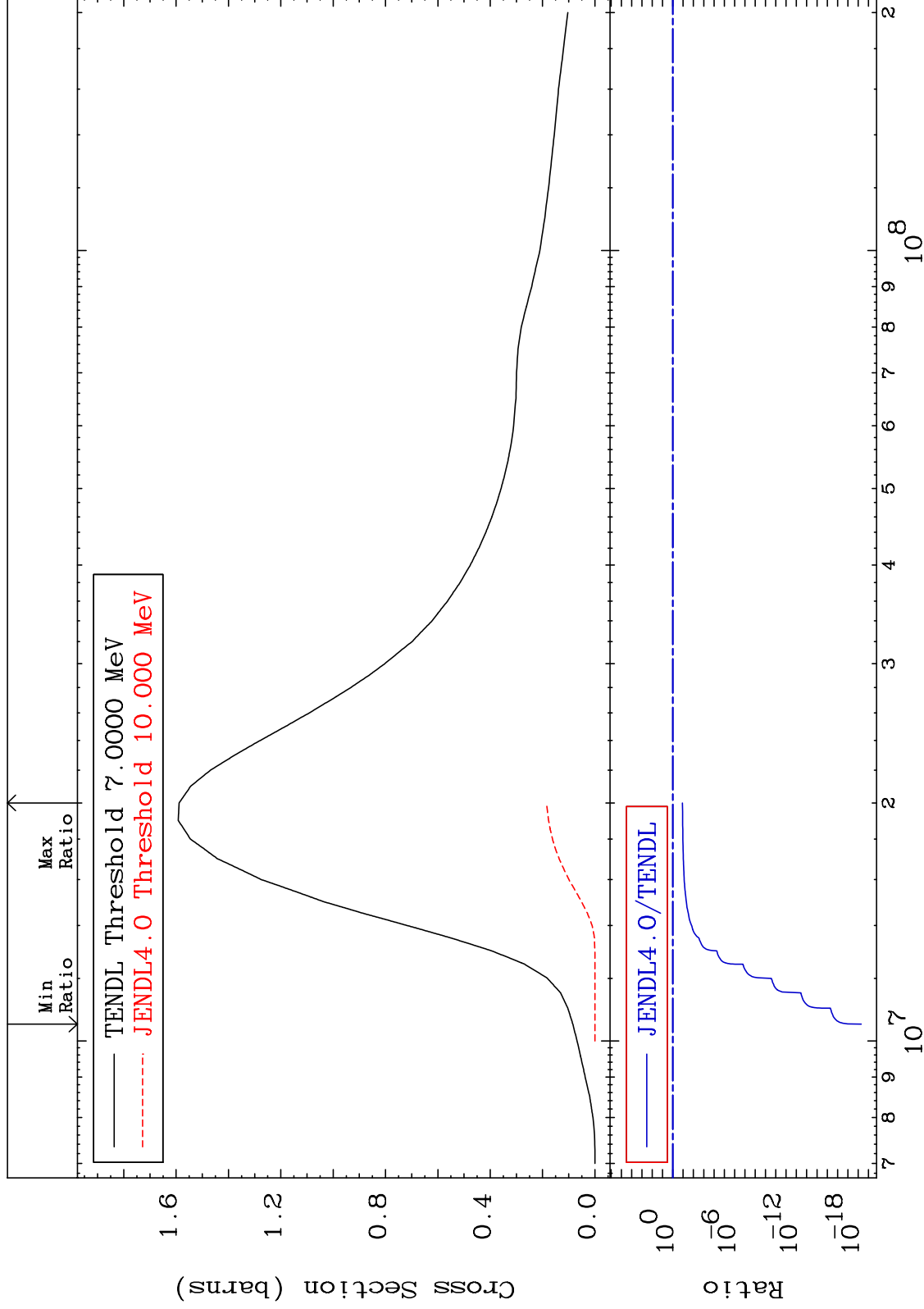
Incident Energy (eV)

93-Np-235

MAT 9340

(n,2nf) Third Chance
Cross Section

93-Np-235
-100.0 To -88.39%



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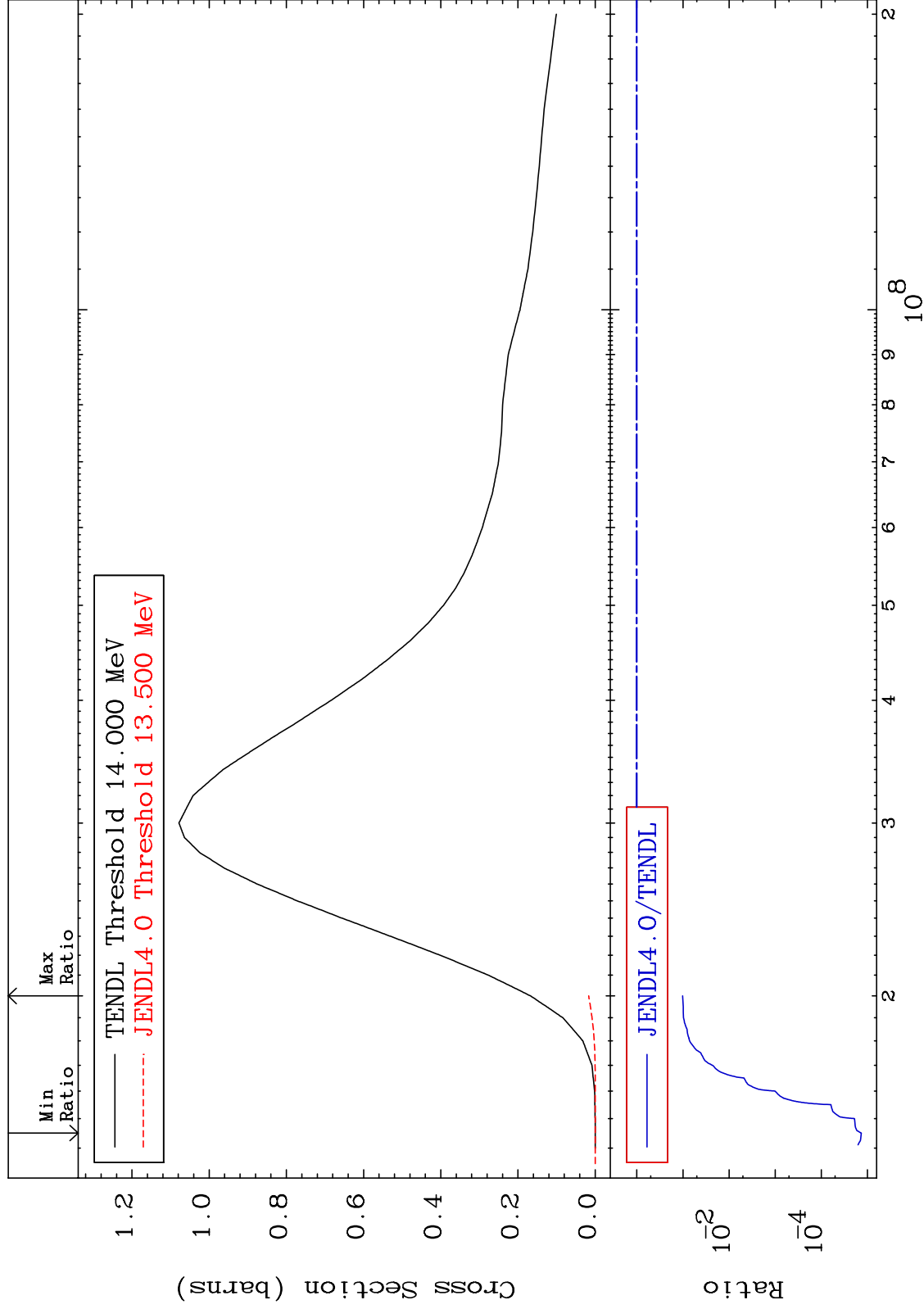
Incident Energy (eV)

93-Np-235

MAT 9340

(n,3nf) Fourth Chance
Cross Section

93-Np-235
-100.0 To -89.87%

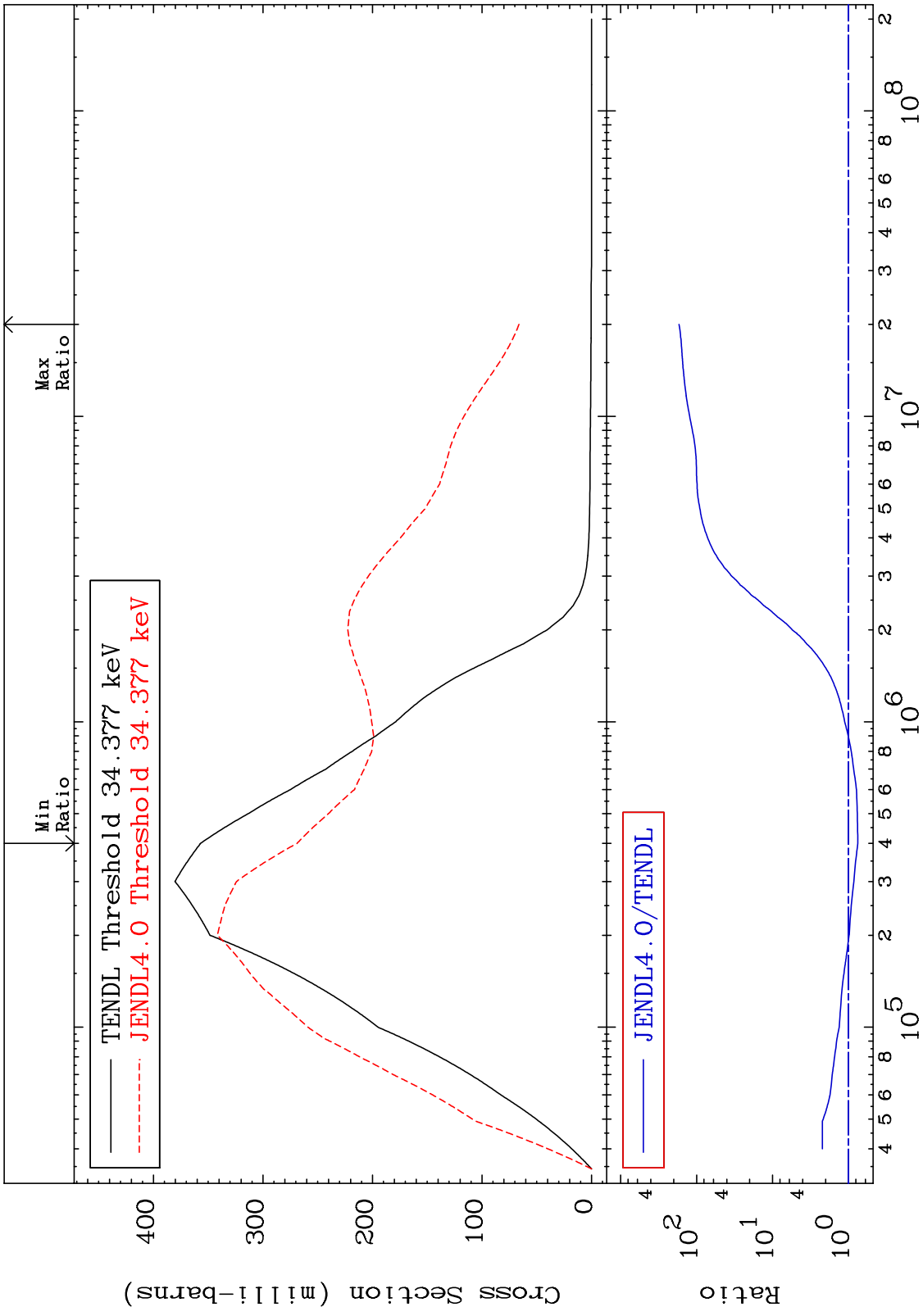


10

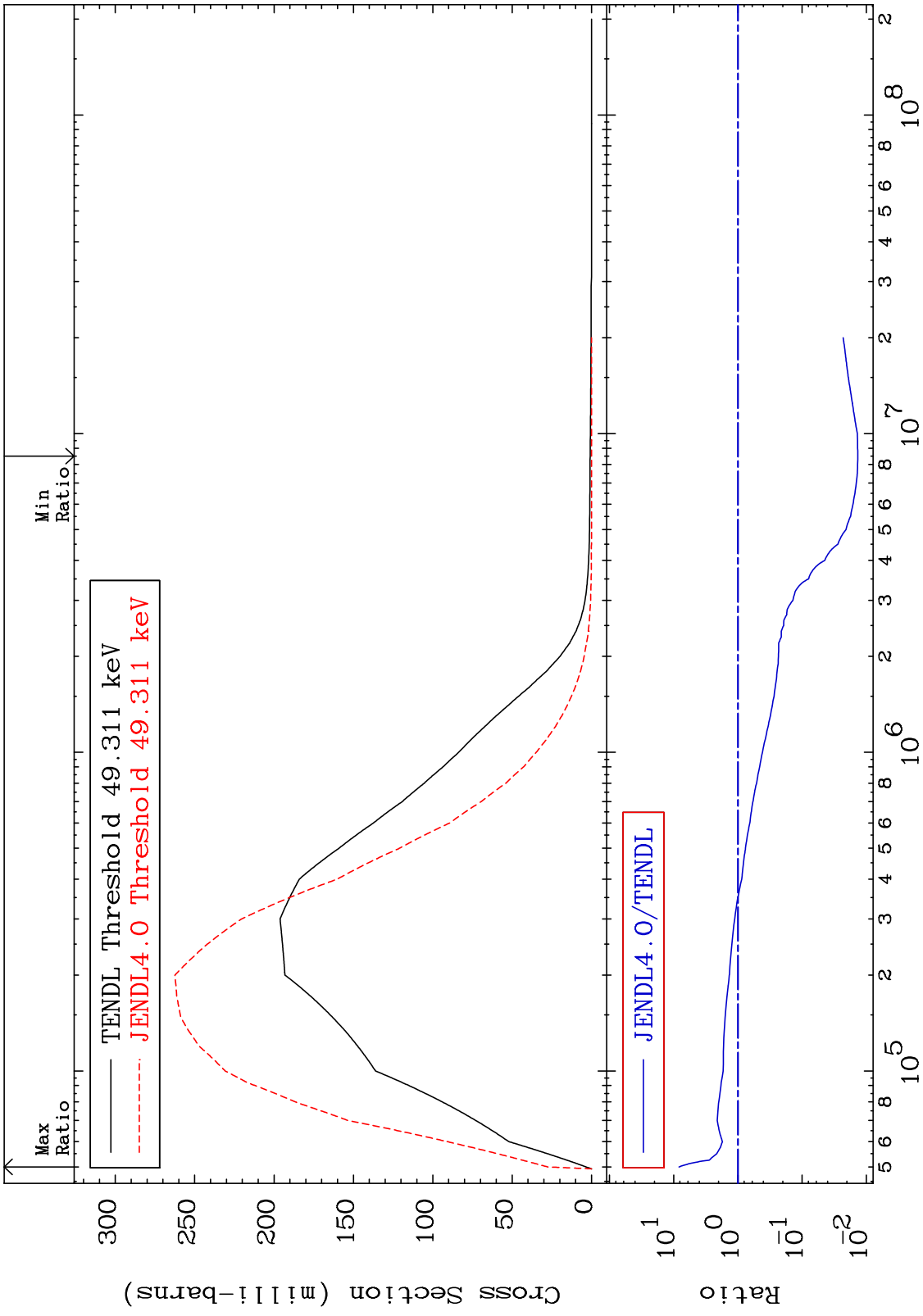
Incident Energy (eV)

93-Np-235

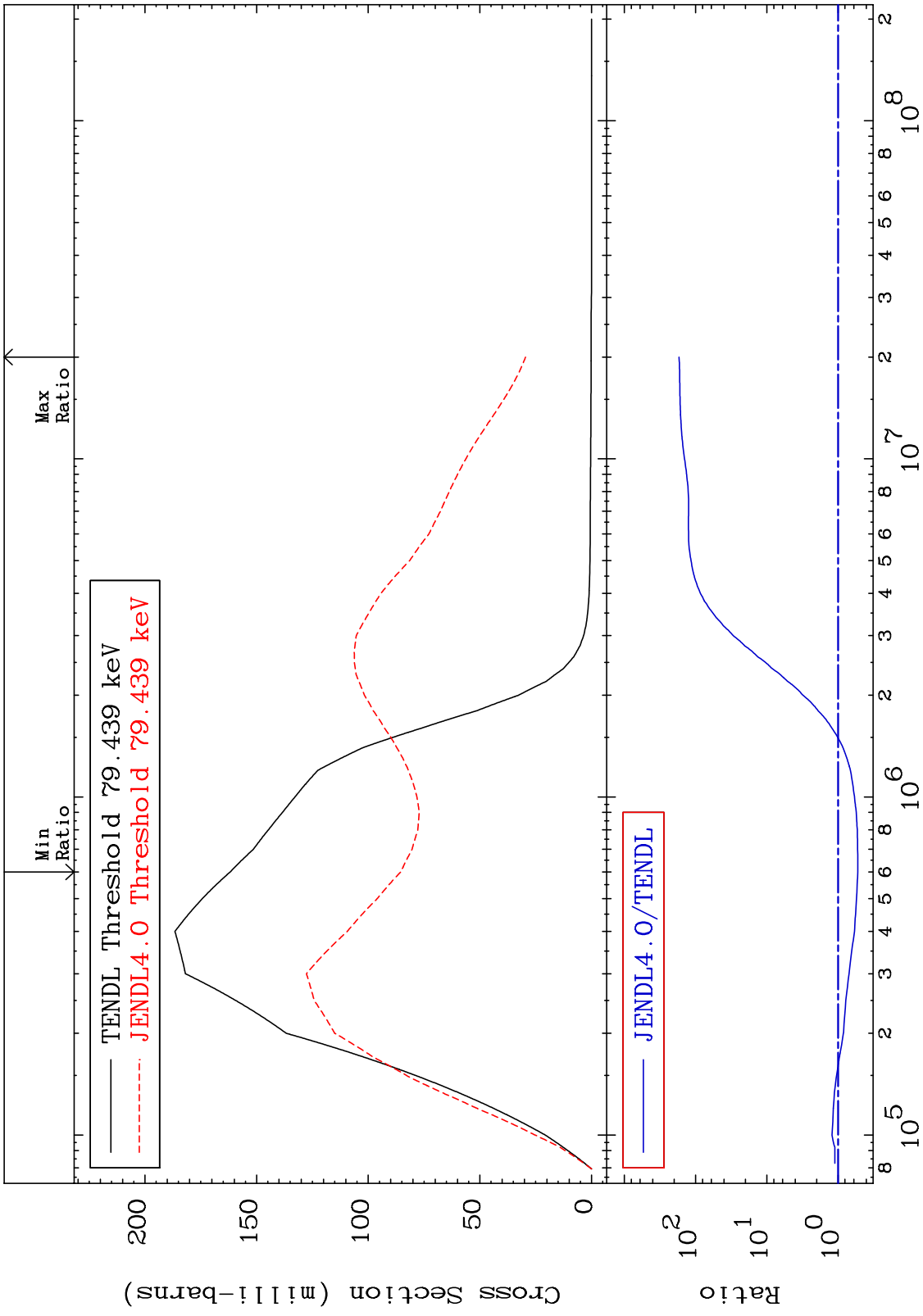
MAT 9340 MT= 51 (n,n') Level Cross Section 93-Np-235
 -24.68 To 9999. %



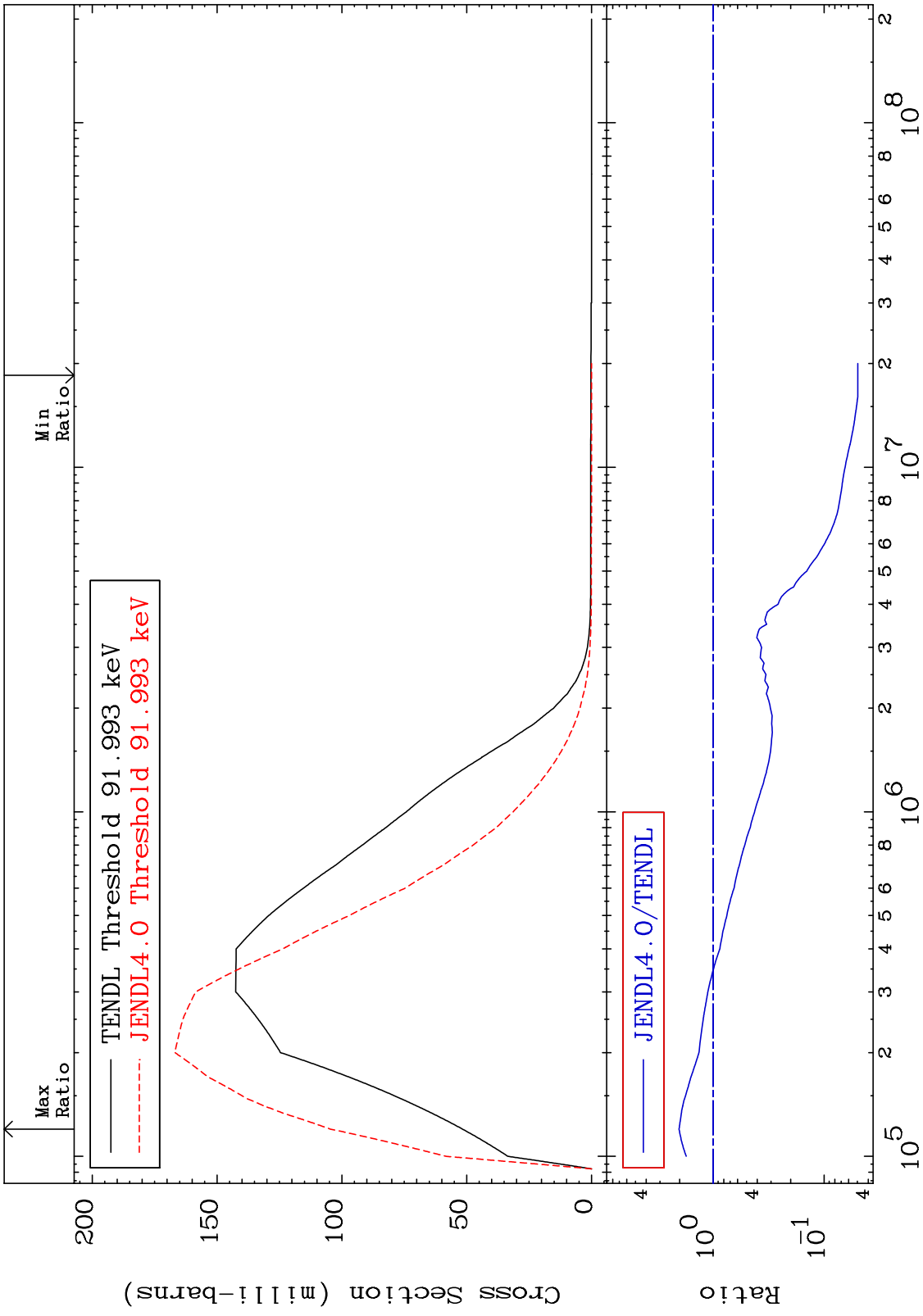
MAT 9340 MT= 52 (n,n') Level Cross Section 93-Np-235
 -98.65 To 725.8 %



MAT 9340 MT= 53 (n,n') Level Cross Section 93-Np-235
 -47.20 To 9999. %



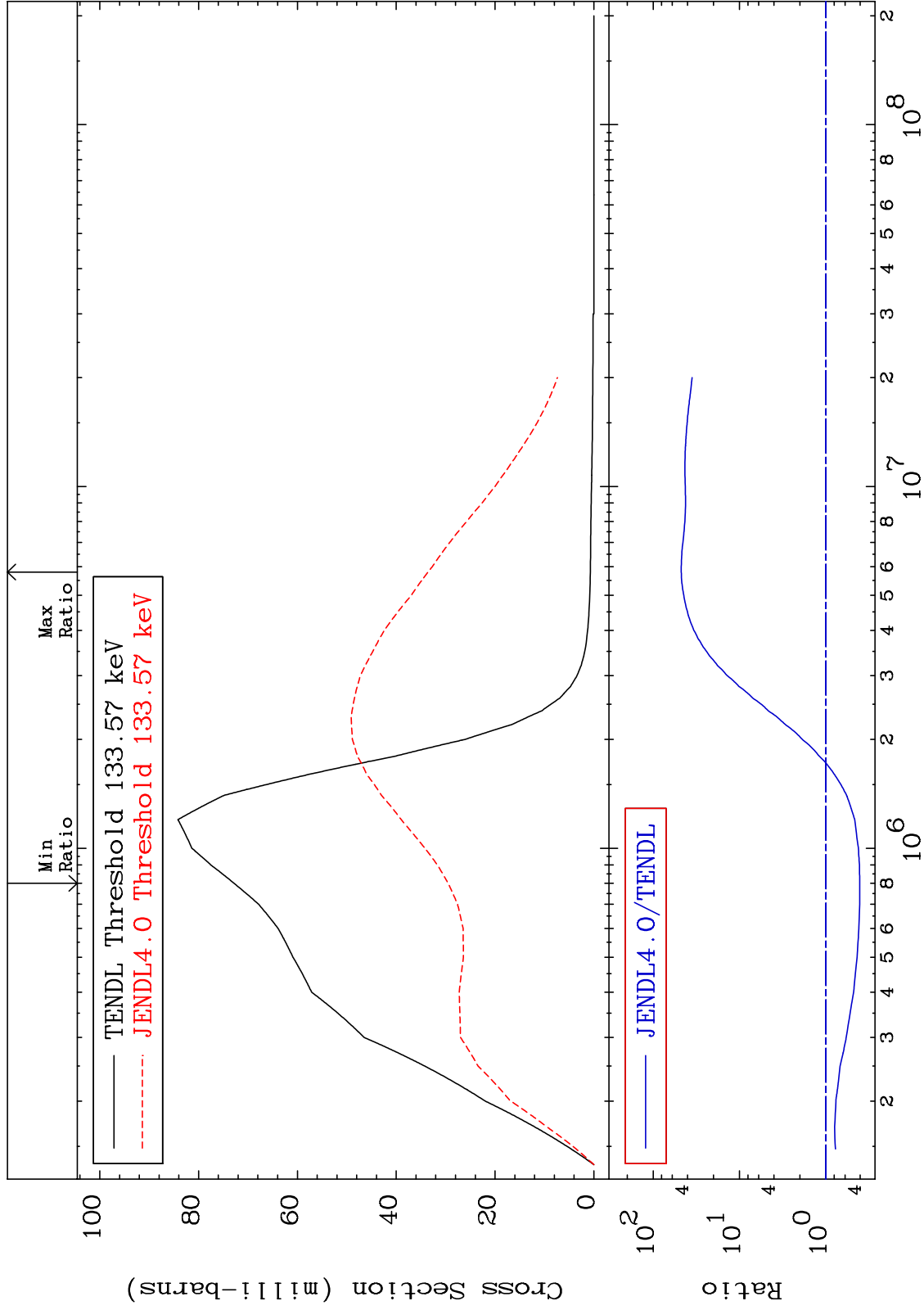
MAT 9340 MT= 54 (n,n') Level Cross Section 93-Np-235 -95.04 To 102.3 %



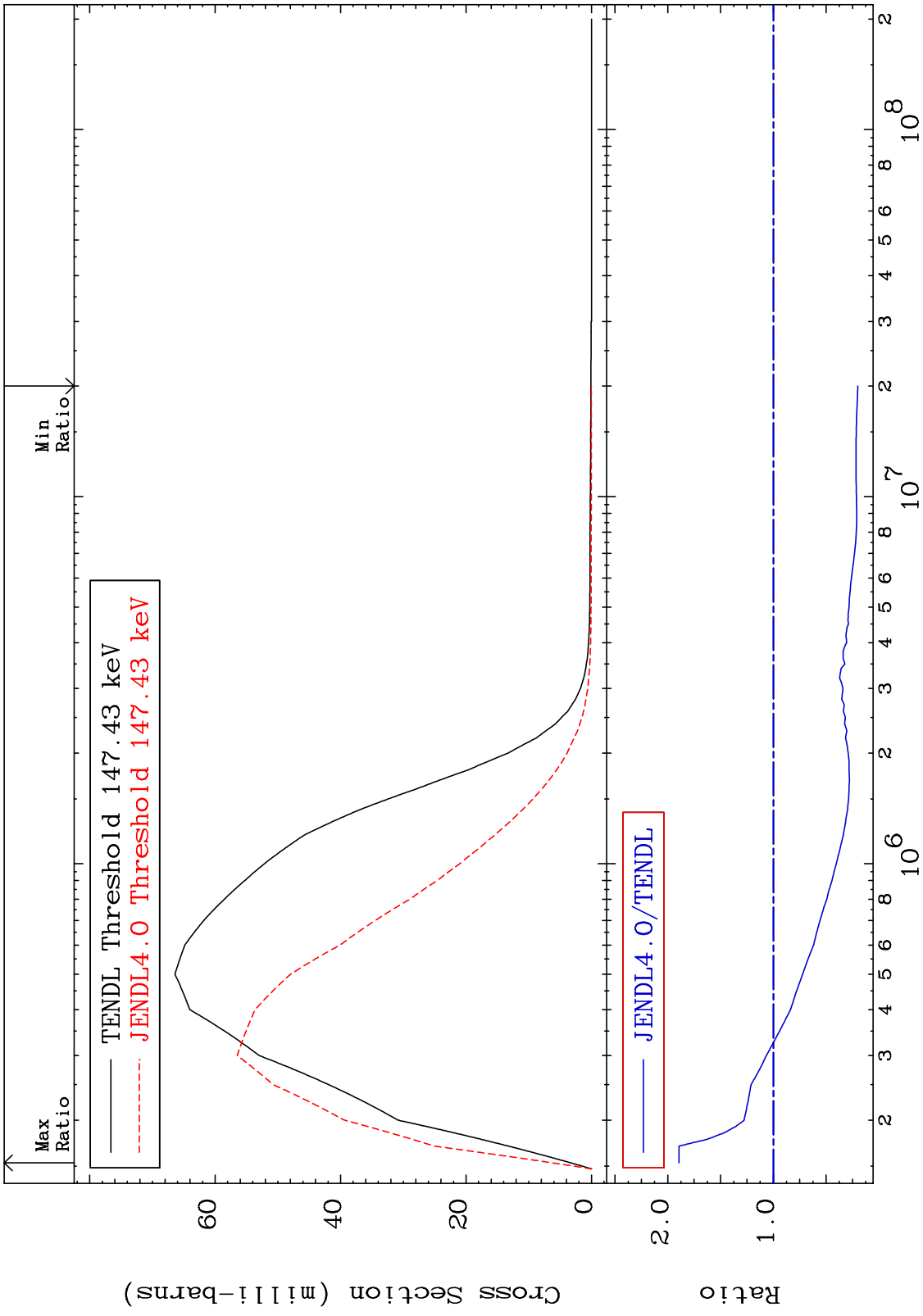
MAT 9340

MT= 55 (n,n') Level
Cross Section

93-Np-235
-59.51 To 4629. %



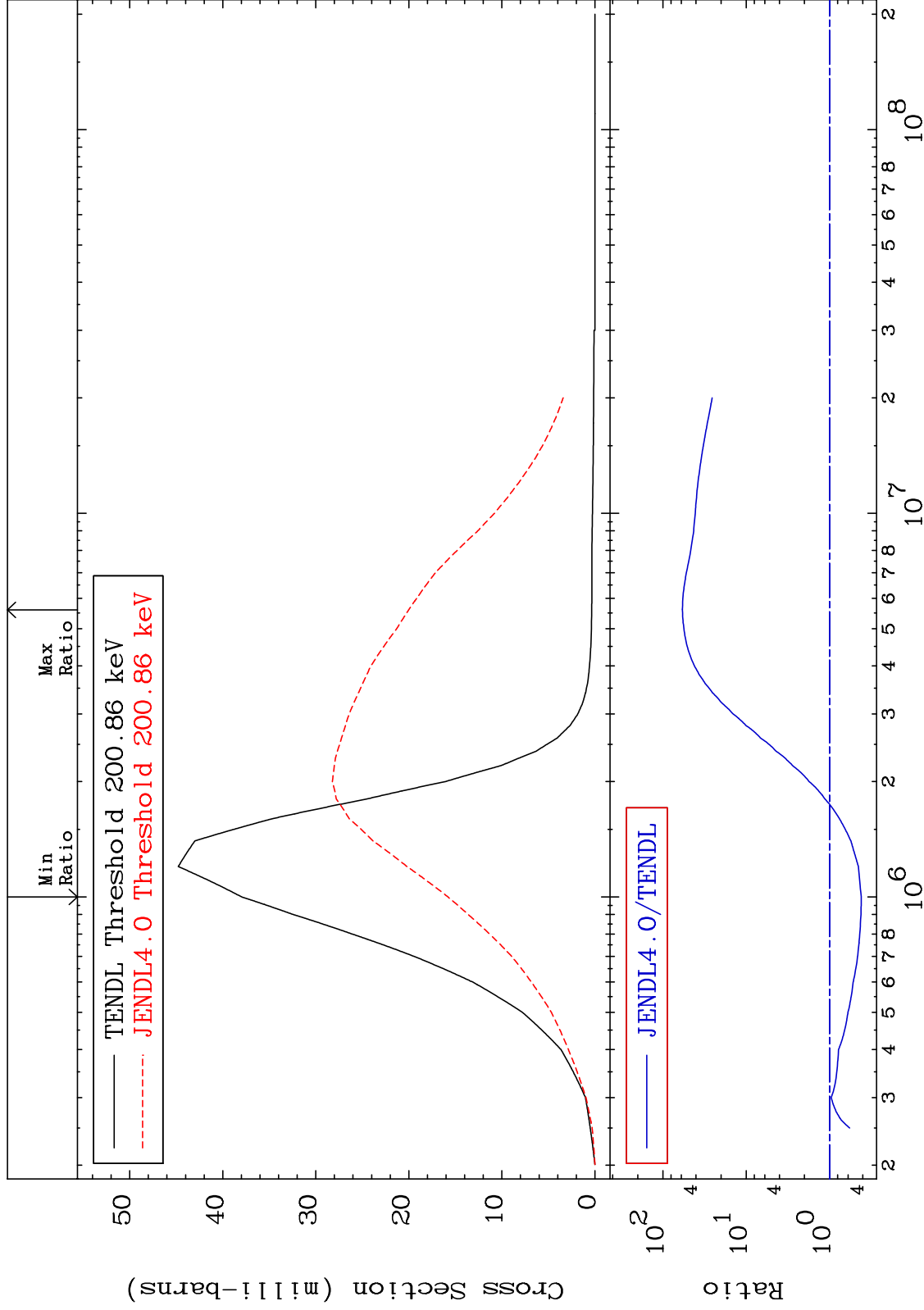
MAT 9340 MT= 56 (n,n') Level Cross Section 93-Np-235
 -80.05 To 89.32 %



MAT 9340

MT= 57 (n,n') Level
Cross Section

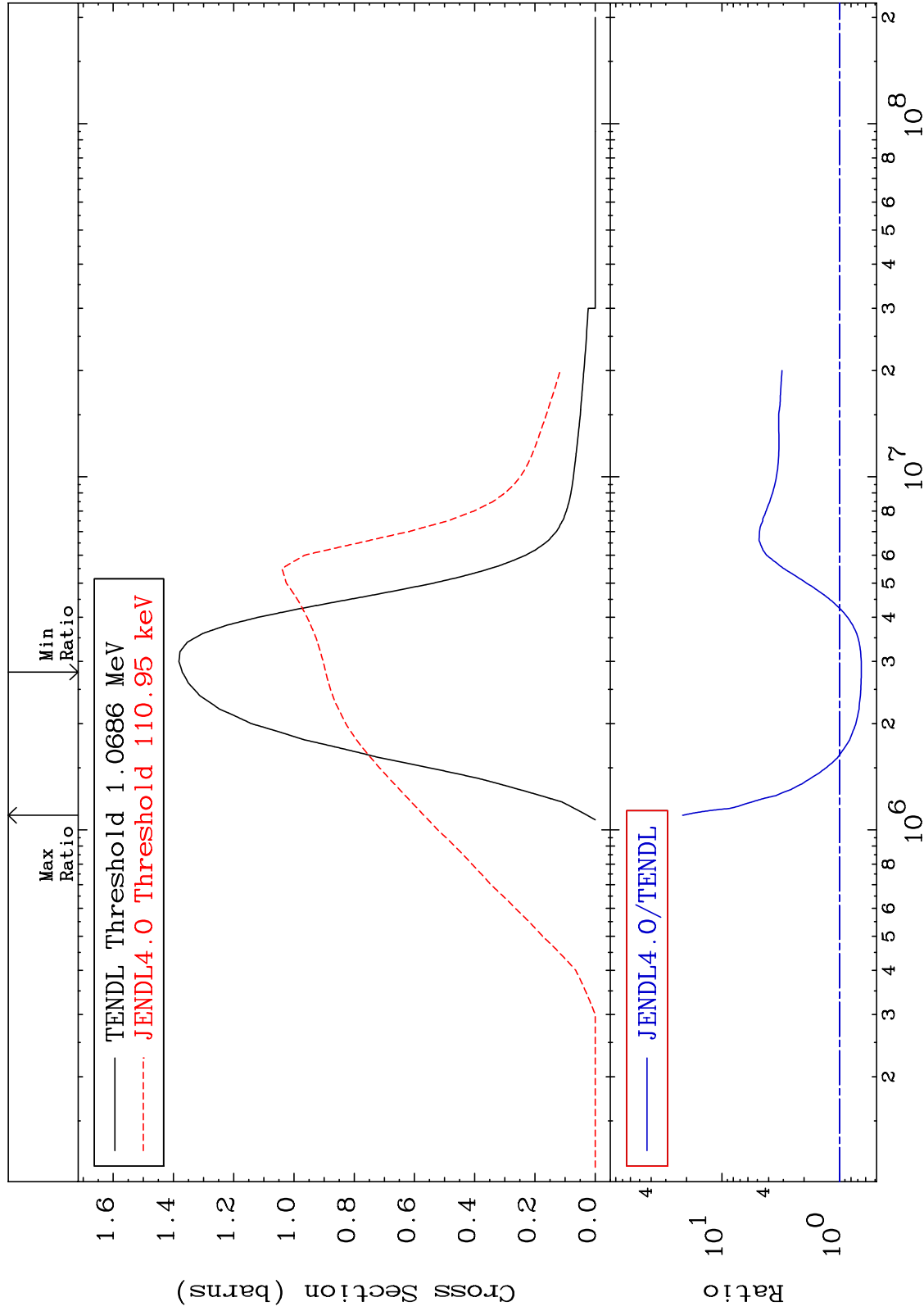
93-Np-235
-58.38 To 5724. %



MAT 9340

(n, n') Continuum
Cross Section

93-Np-235
-34.74 To 2055. %



MAT 9340

(n, γ)

93-Np-235

-86.18 To 9999. %

Cross Section

Min Ratio

Max Ratio

TENDL
JENDL4.0

Cross Section (barns)

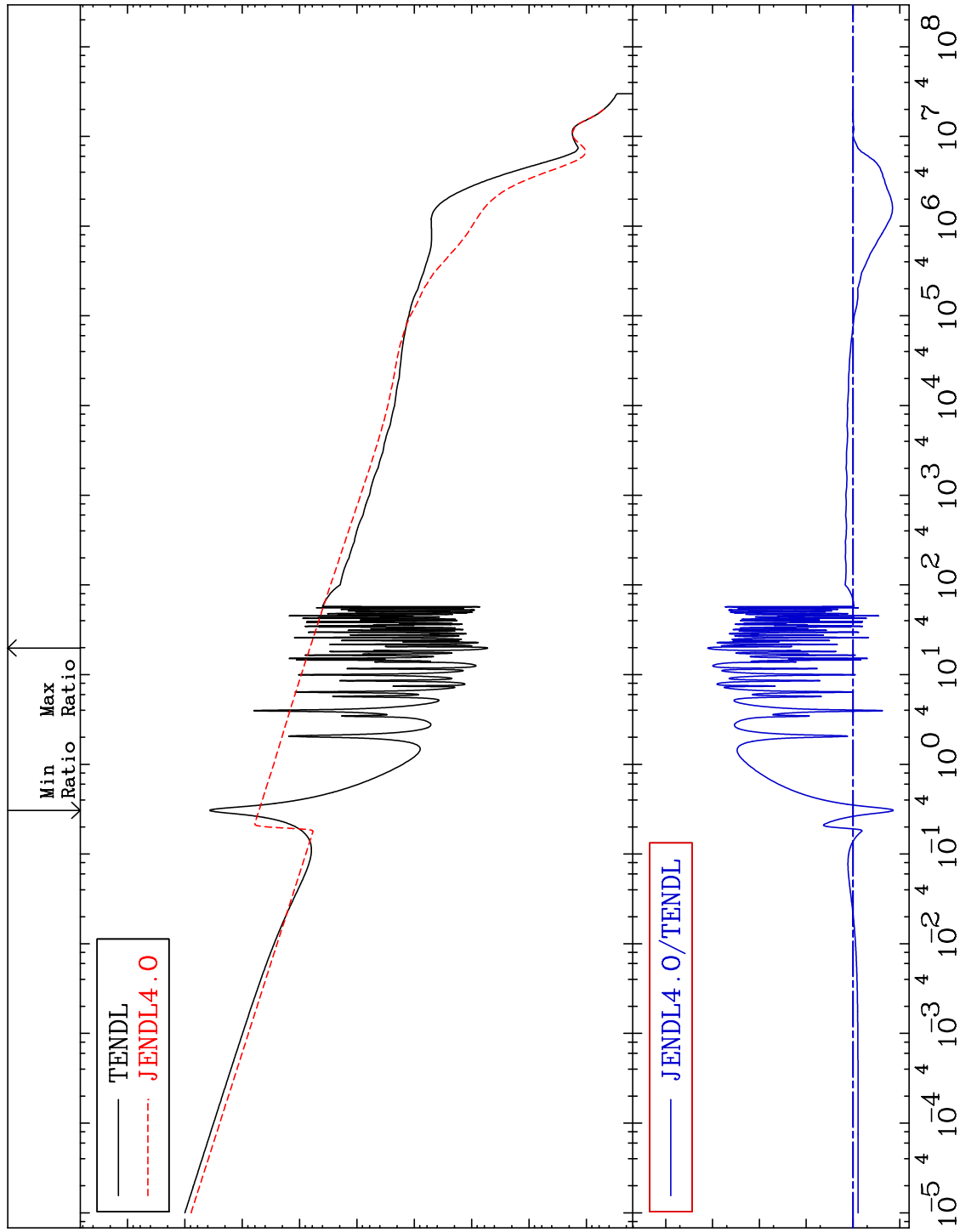
JENDL4.0/TENDL

Ratio

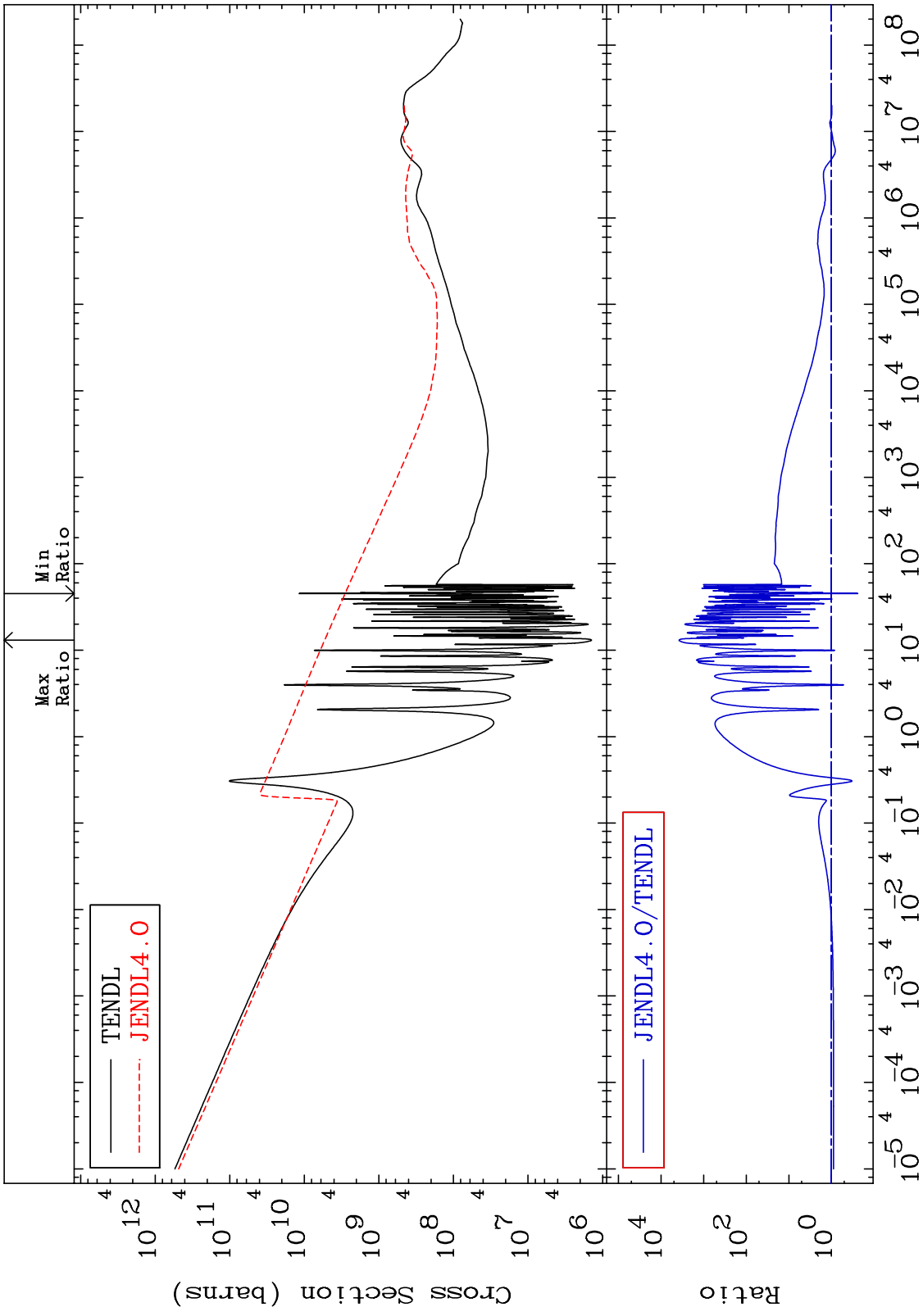
Incident Energy (eV)

93-Np-235

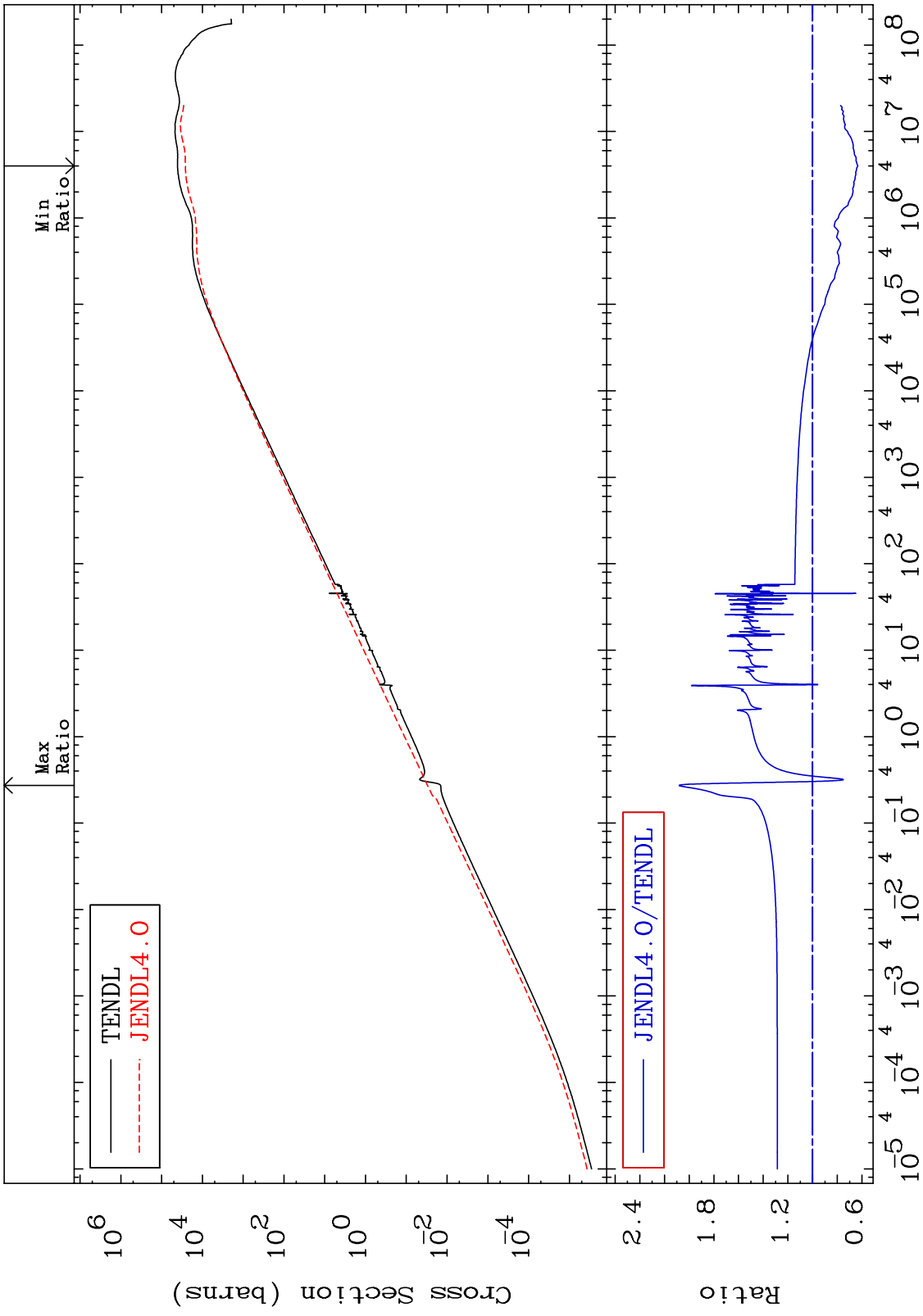
19



MAT 9340 Kerma total (eV-barns) 93-Np-235
 Cross Section -76.04 To 9999. %



MAT 9340 93-Np-235
 Kerma elastic Cross Section -36.63 To 108.2 %

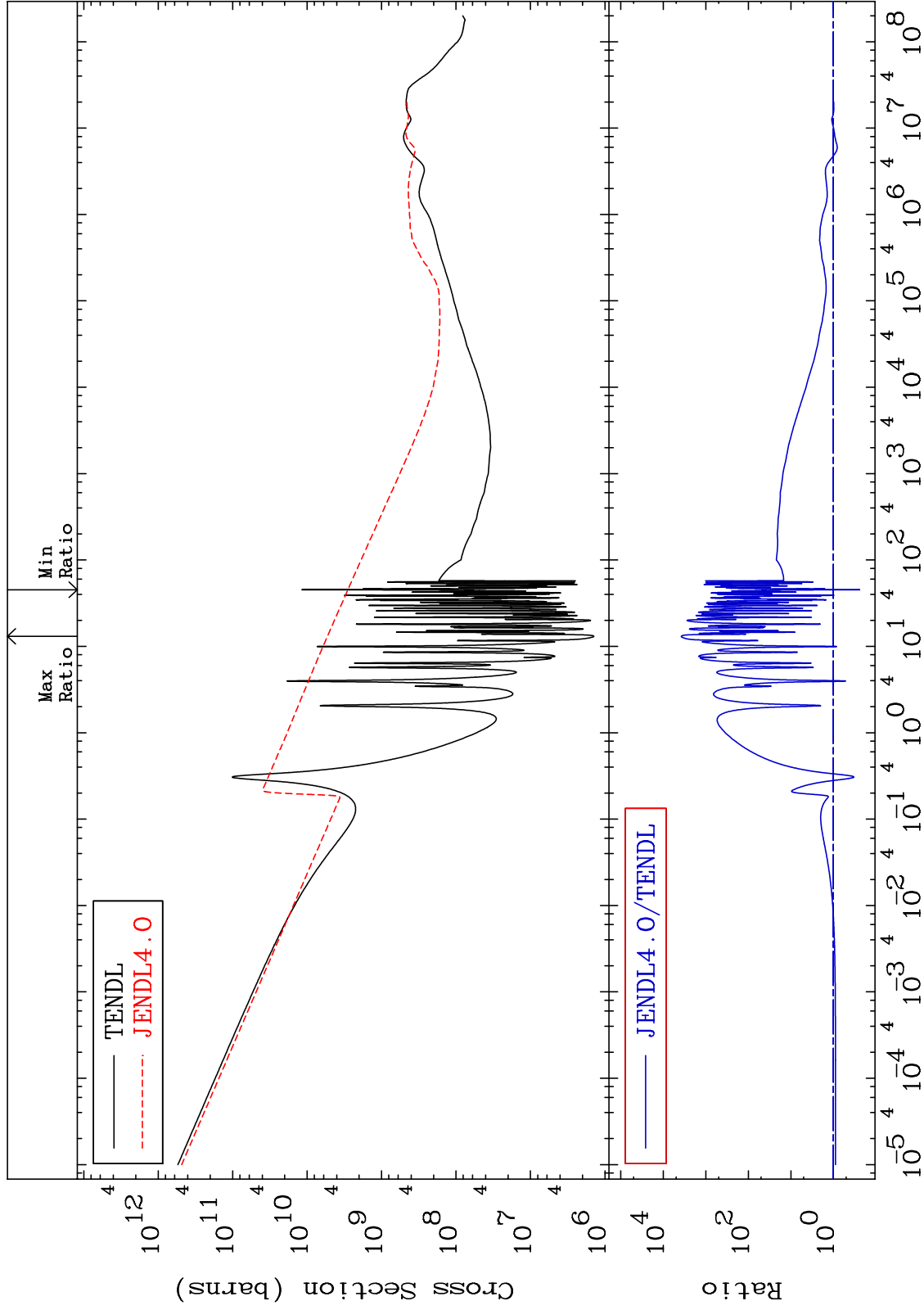


Incident Energy (eV) 93-Np-235

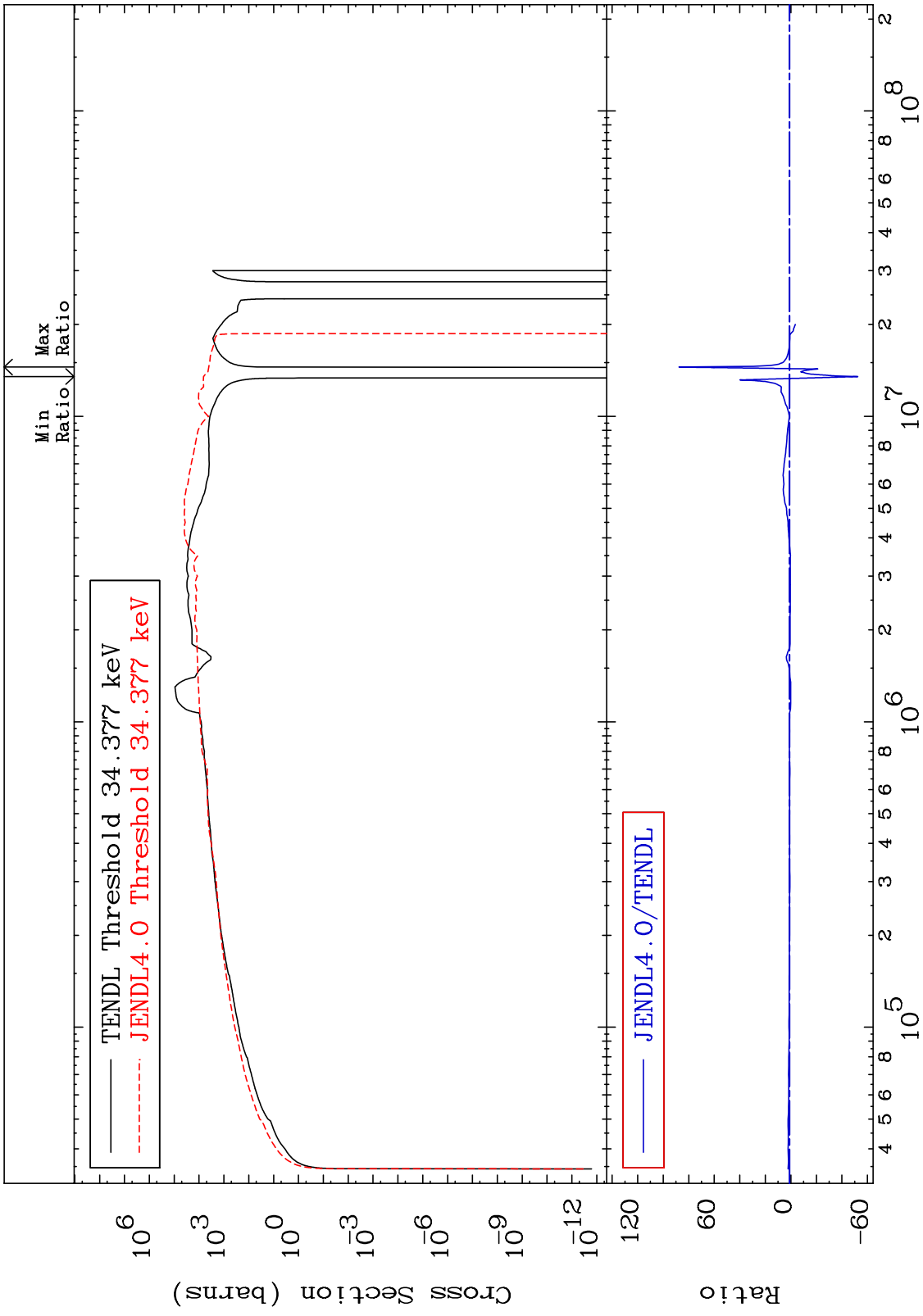
MAT 9340

Kerma non-elastic (all but mt2)
Cross Section

93-Np-235
-76.04 To 9999. %



MAT 9340 Kerma inelastic (mt51-91) 93-Np-235
 Cross Section -5346. To 8659. %



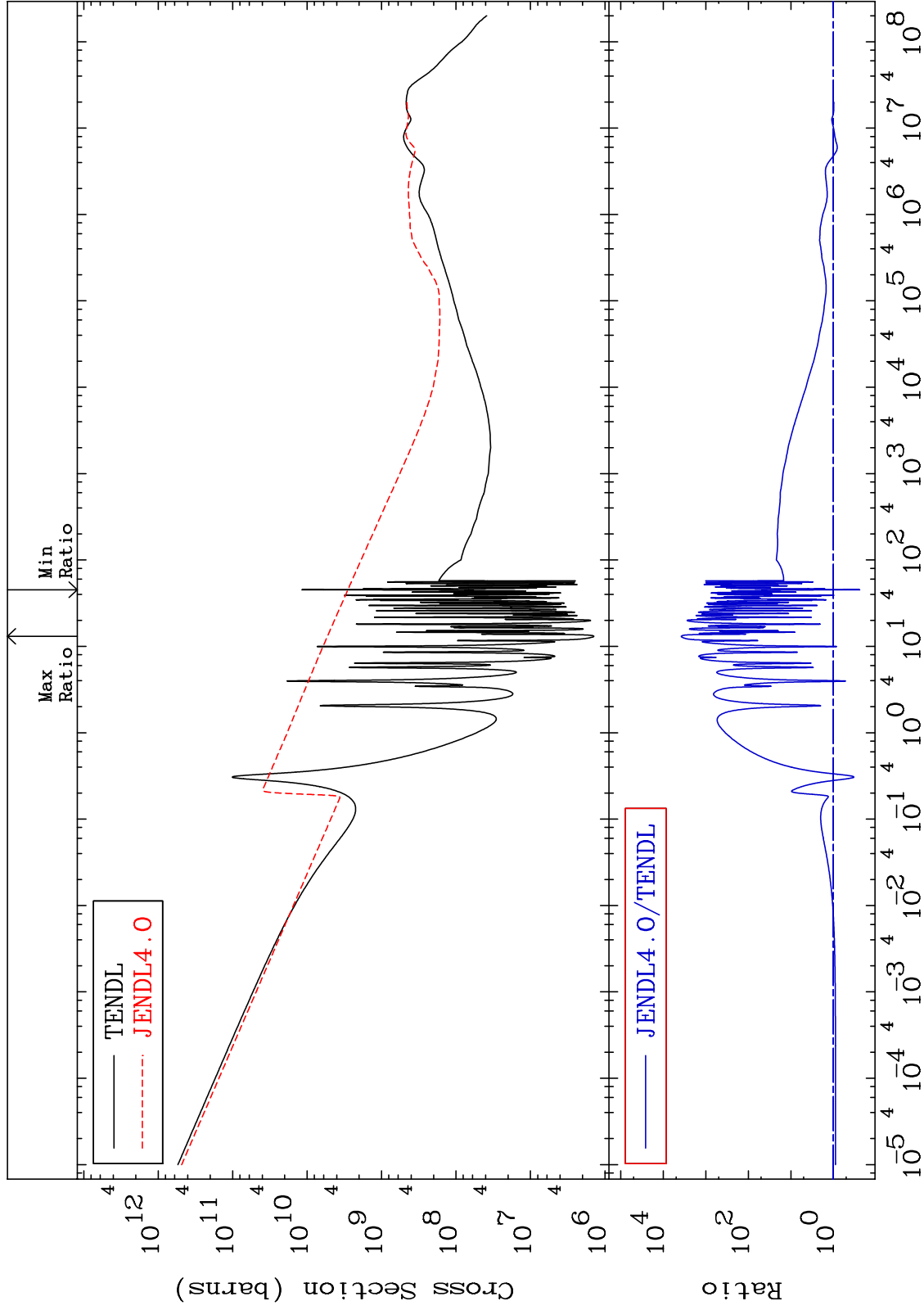
MAT 9340

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

93-Np-235

-76.04 To 9999. %

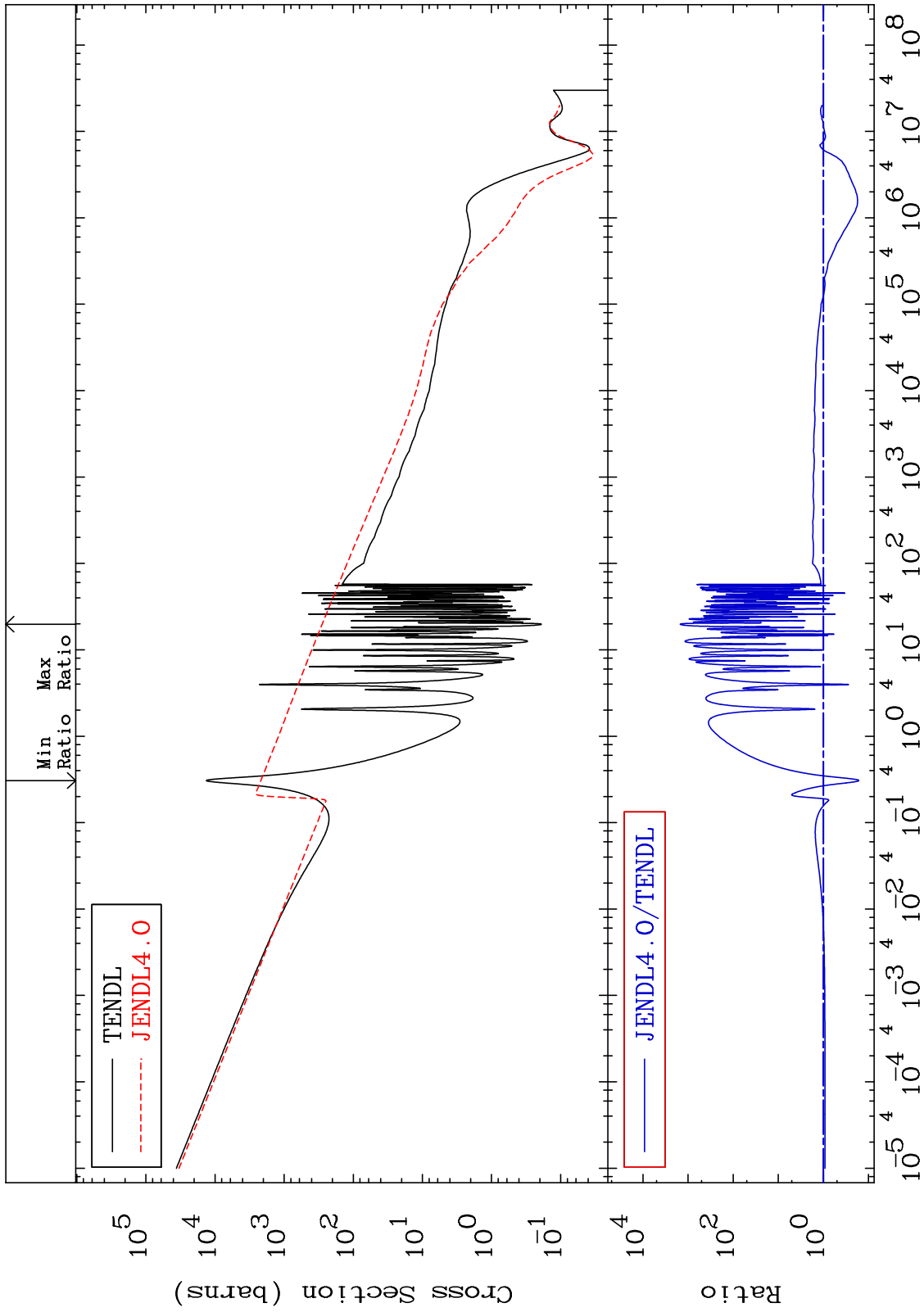
Cross Section



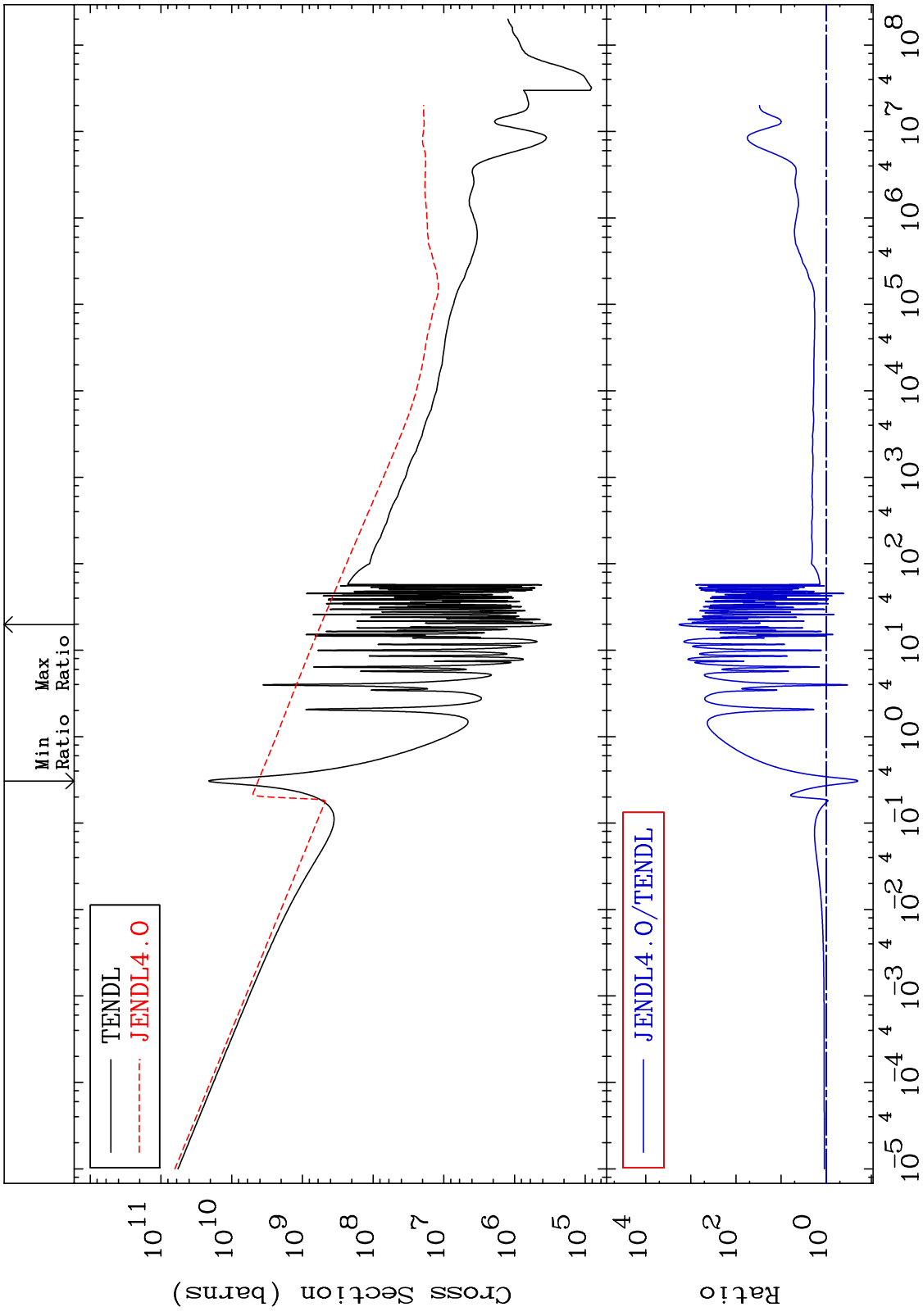
MAT 9340

Kerma capture (mt102)
Cross Section

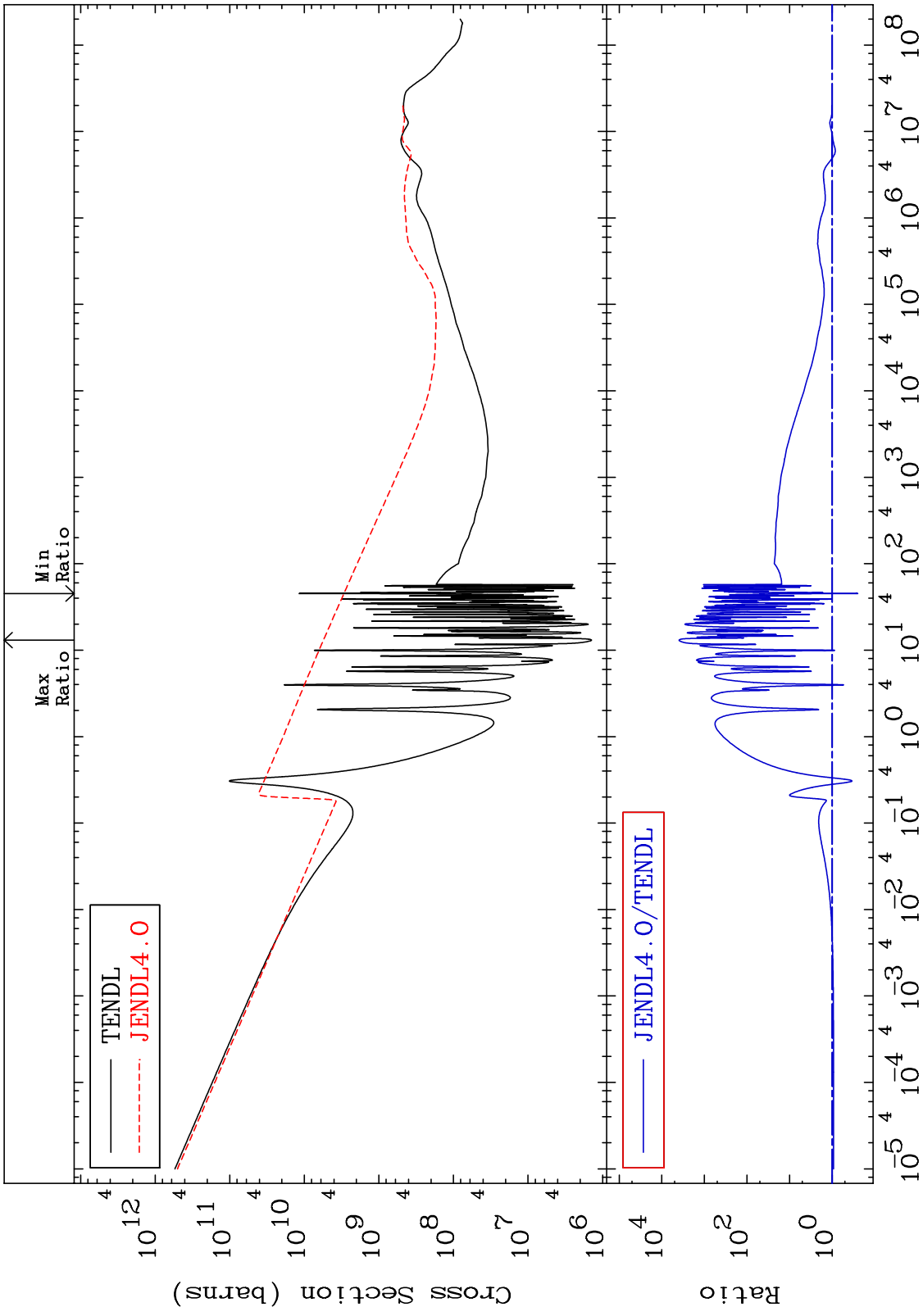
93-Np-235
-83.70 To 9999. %



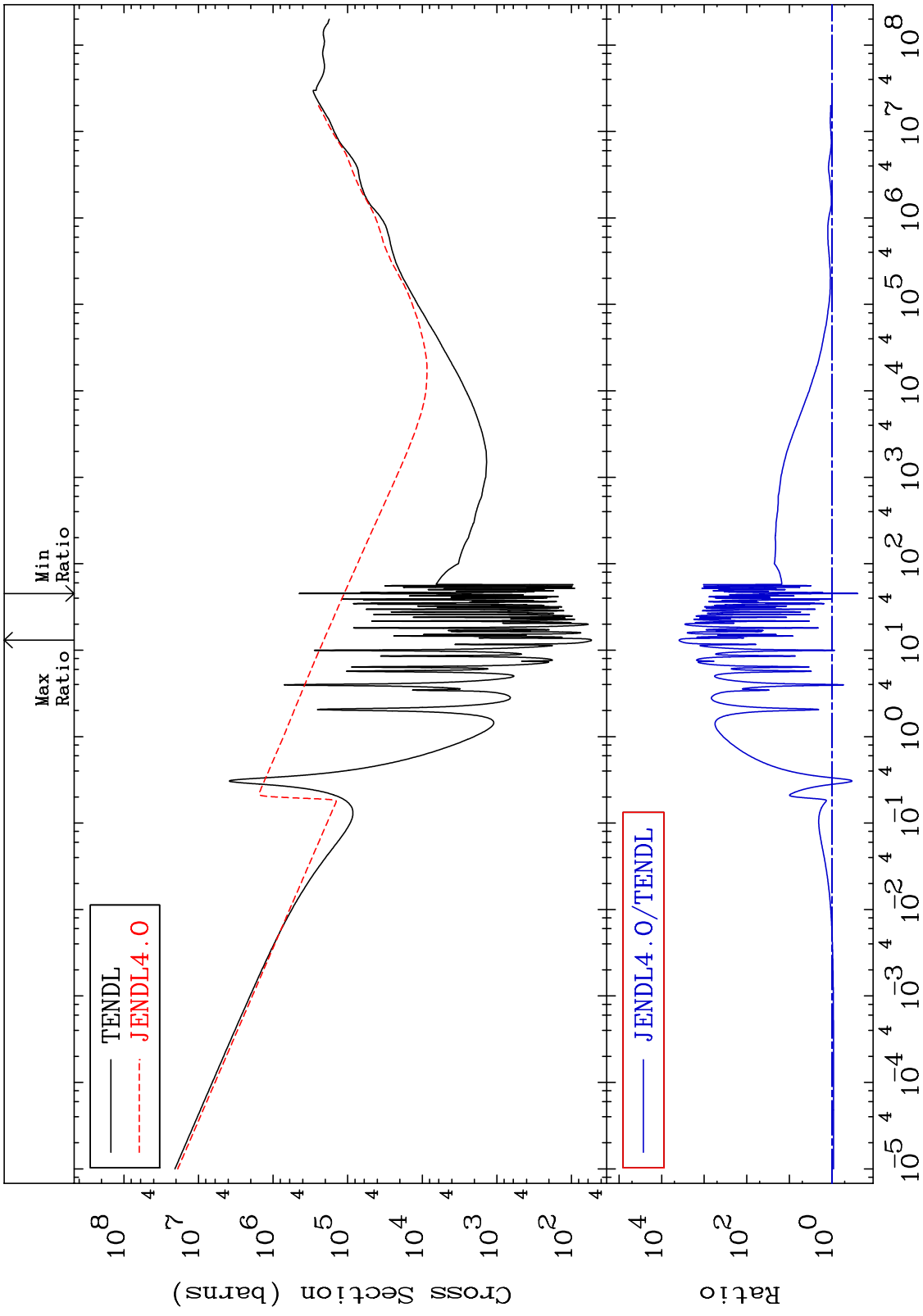
MAT 9340 93-Np-235
-80.07 To 9999. %
 Total photon (eV-barns)
 Cross Section



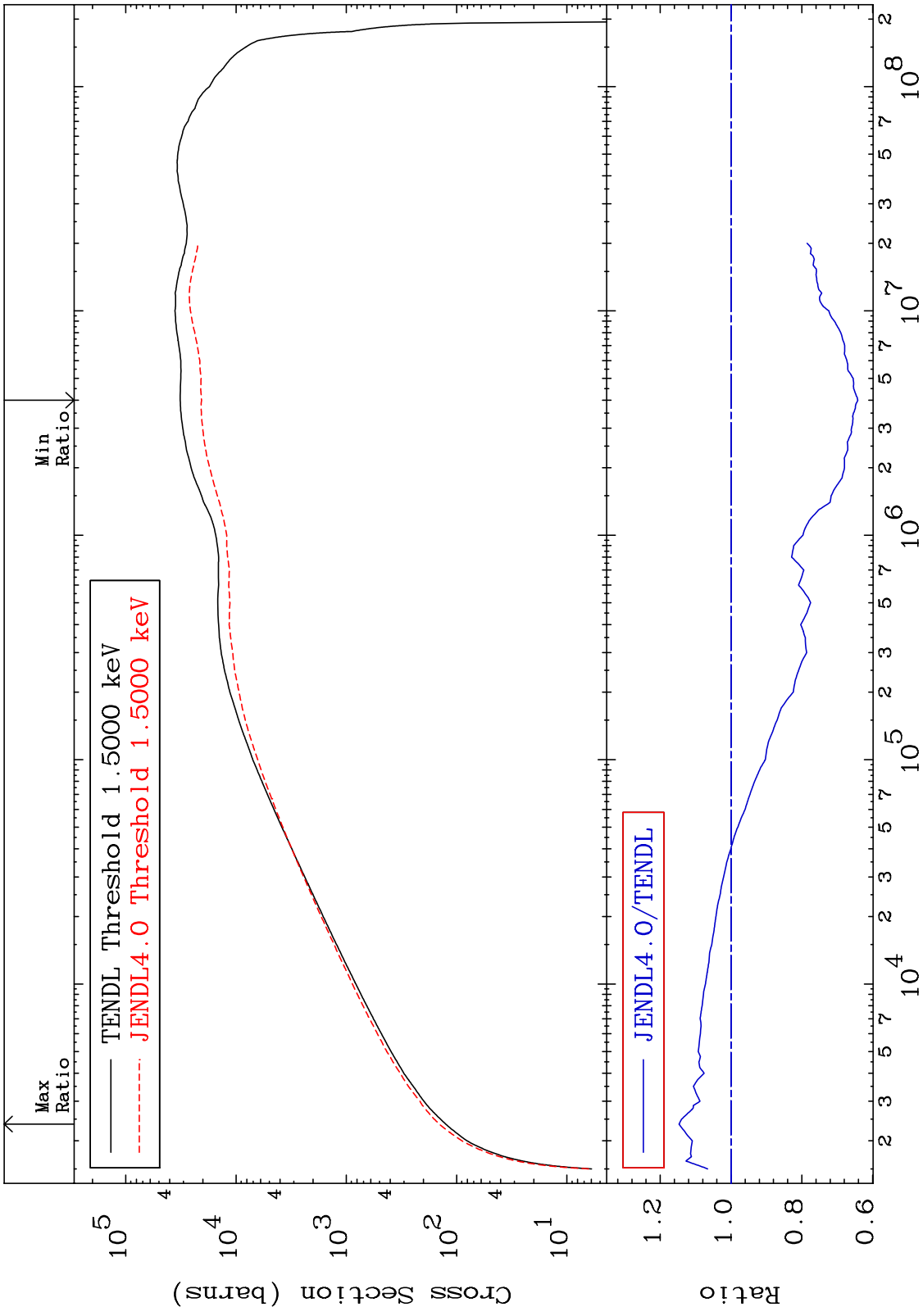
MAT 9340 Total kinematic kerma (high limit) 93-Np-235
 Cross Section -75.11 To 9999. %

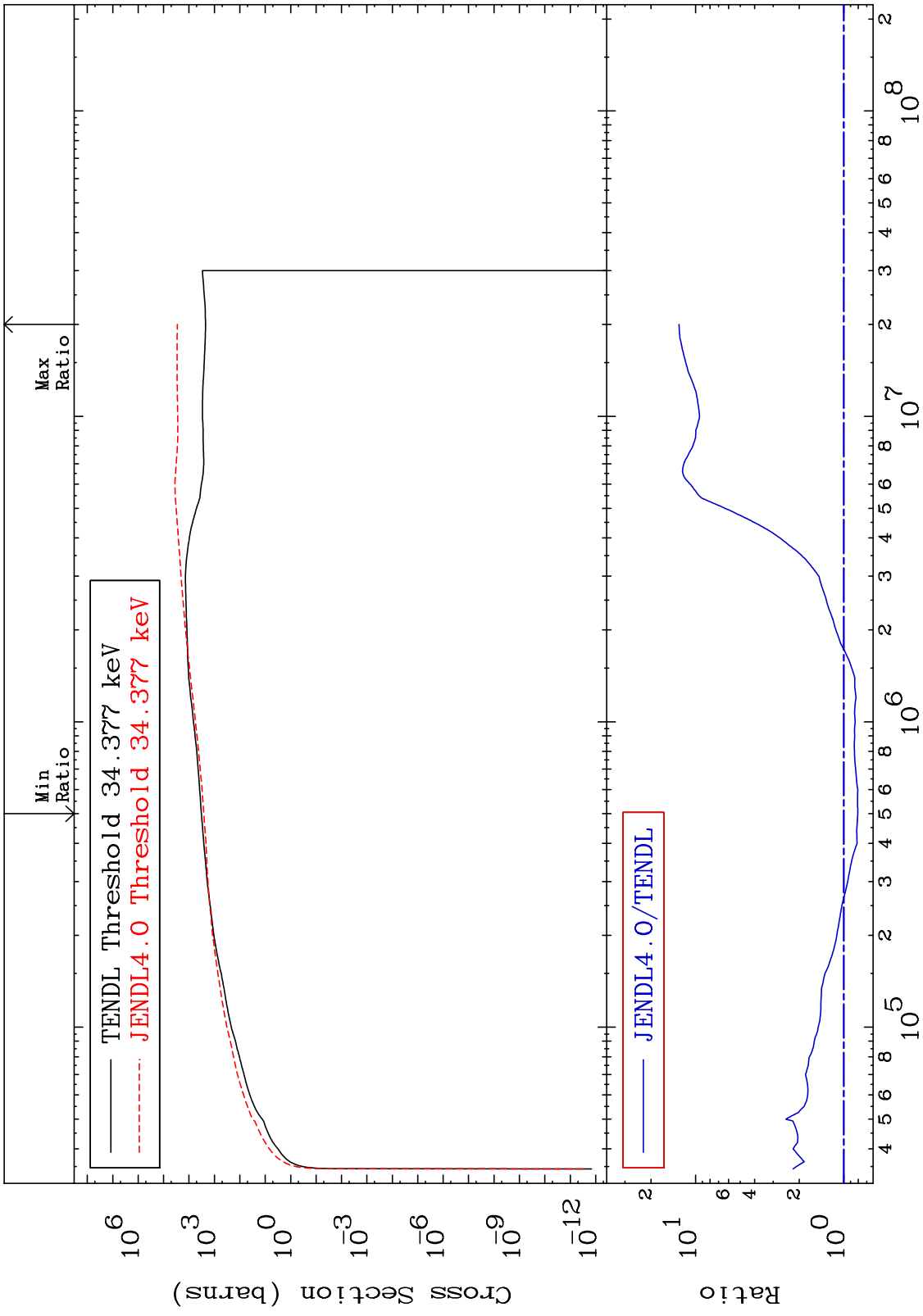


MAT 9340 Dpa total (eV-barns) 93-Np-235
 Cross Section -75.32 To 9999. %



MAT 9340 93-Np-235
 Dpa elastic (mt2) -35.81 To 14.68 %
 Cross Section





MAT 9340 Dpa disappearance (mt102 -120) 93-Np-235
 Cross Section -100.0 To 9999. %

