

Program Complot
(Version 2021-1)

by

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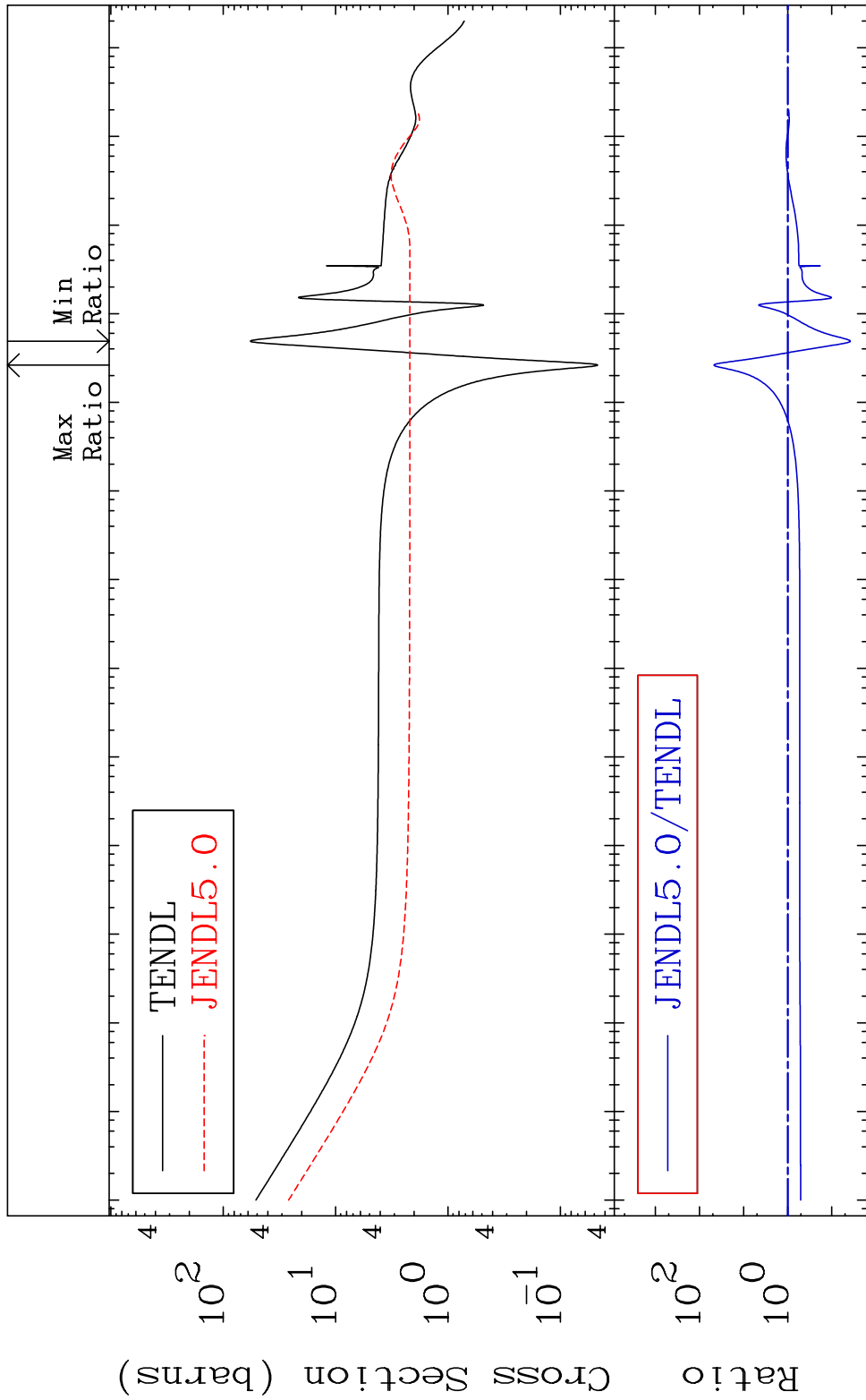
Press Mouse Button to Start

MAT 1637

Total

16-S -36

Cross Section -96.18 To 4596. %



10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

1

Incident Energy (eV)

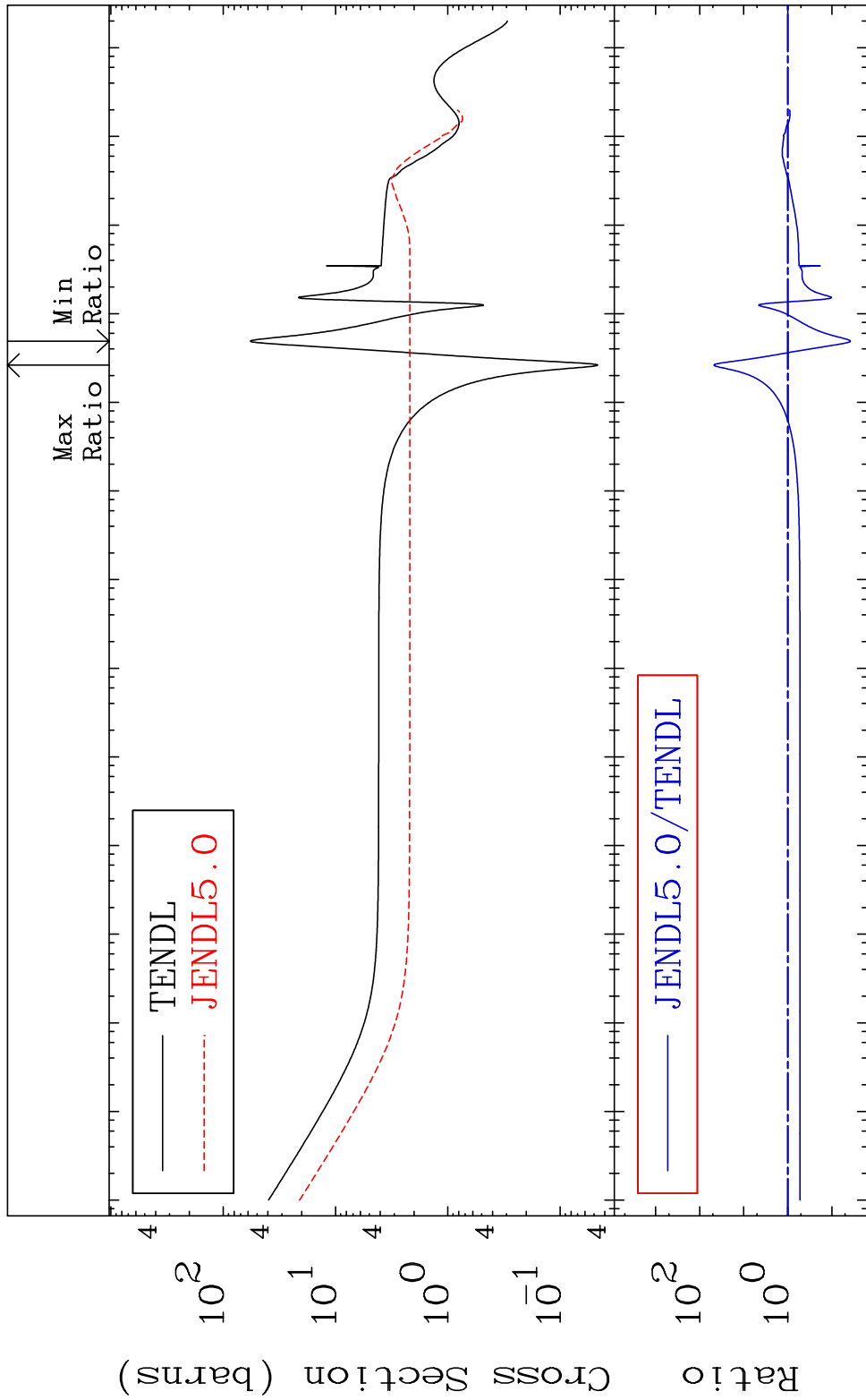
16-S -36

MAT 1637

Elastic

16-S -36

Cross Section -96.18 To 4616. %

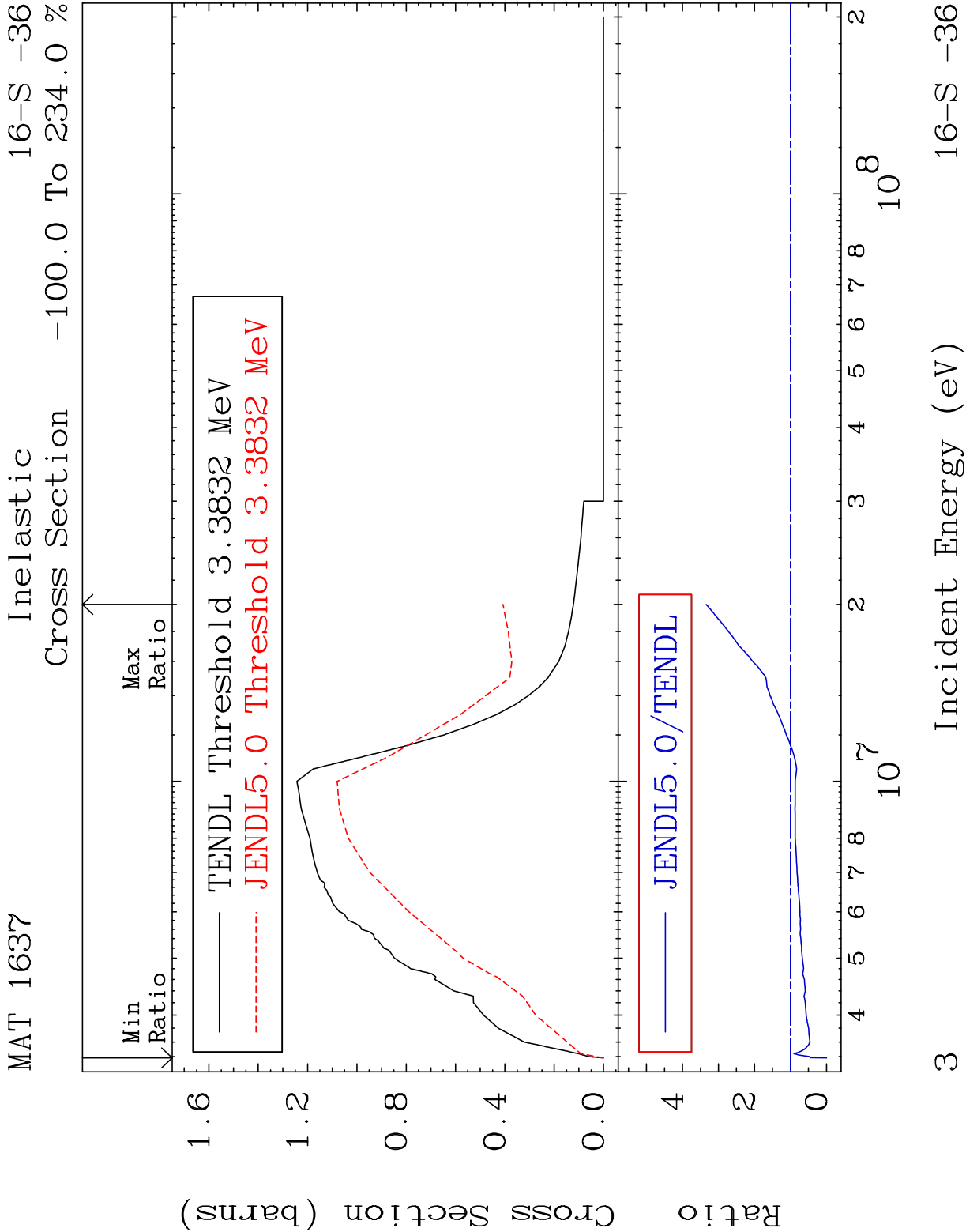


10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

2

Incident Energy (eV)

16-S -36

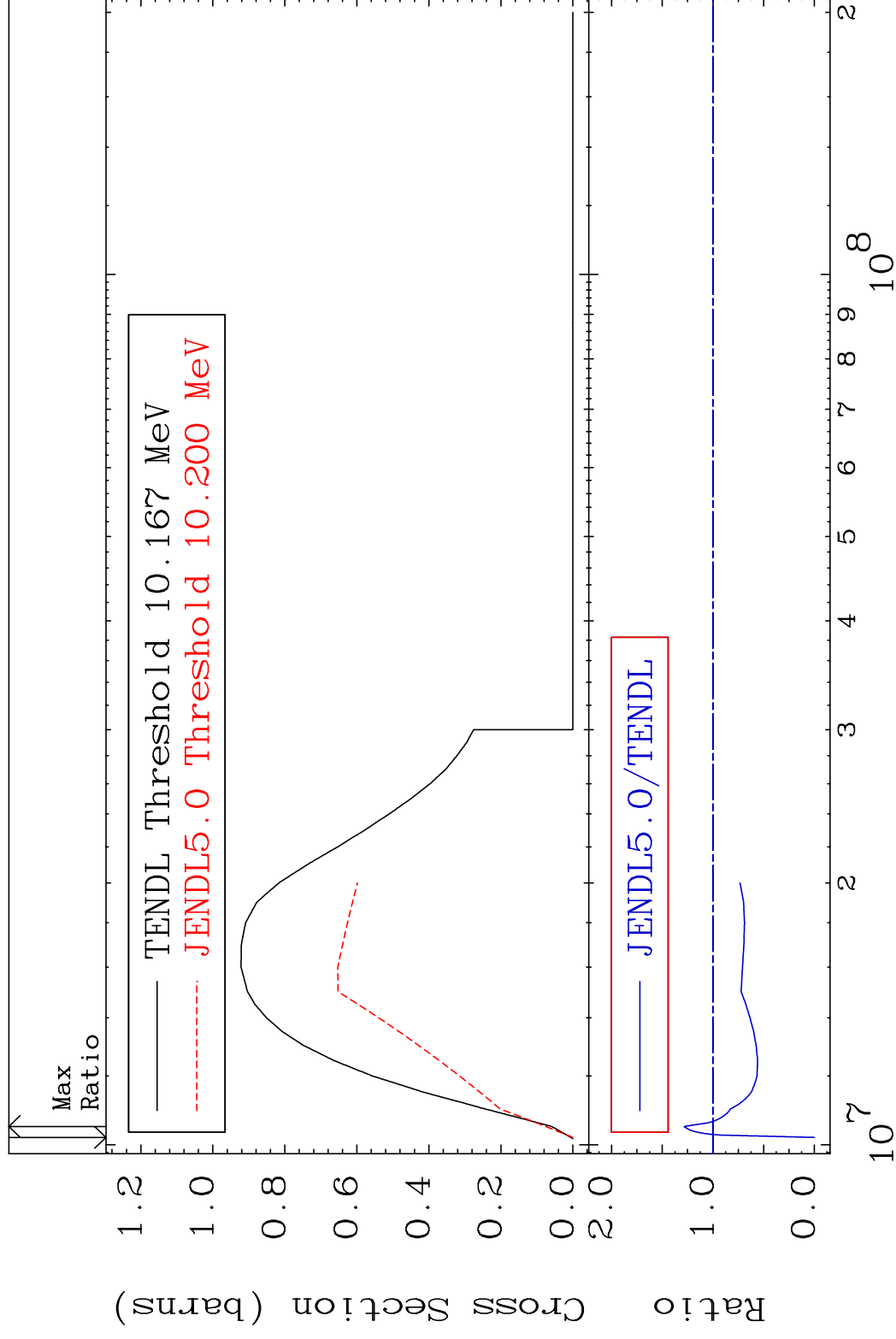


MAT 1637

$$(n, 2n)$$

16-5-36

Cross Section -100.0 To 28.52 %



TENDL Threshold 10.167 MeV

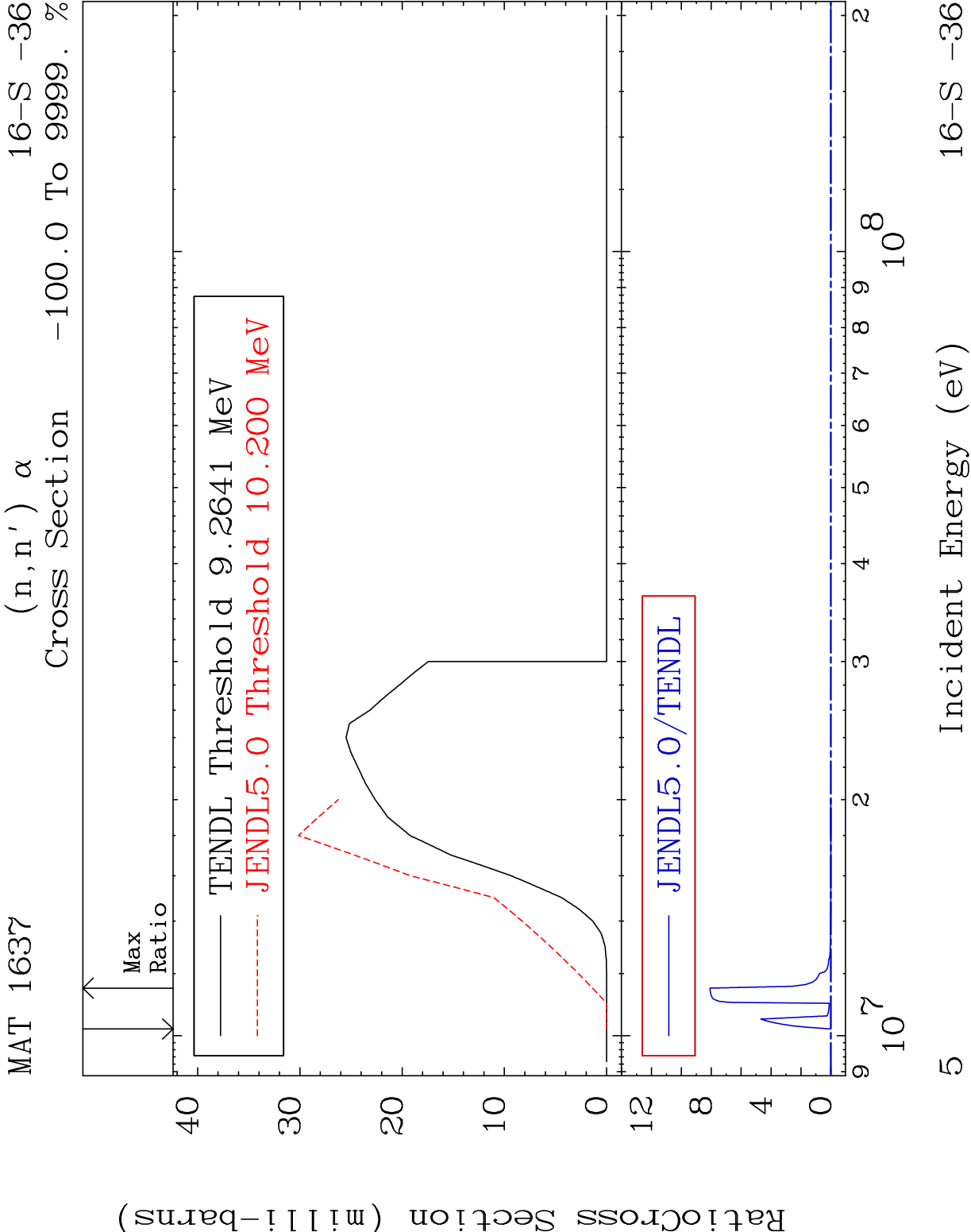
JENDL5.0 Threshold 10.200 MeV

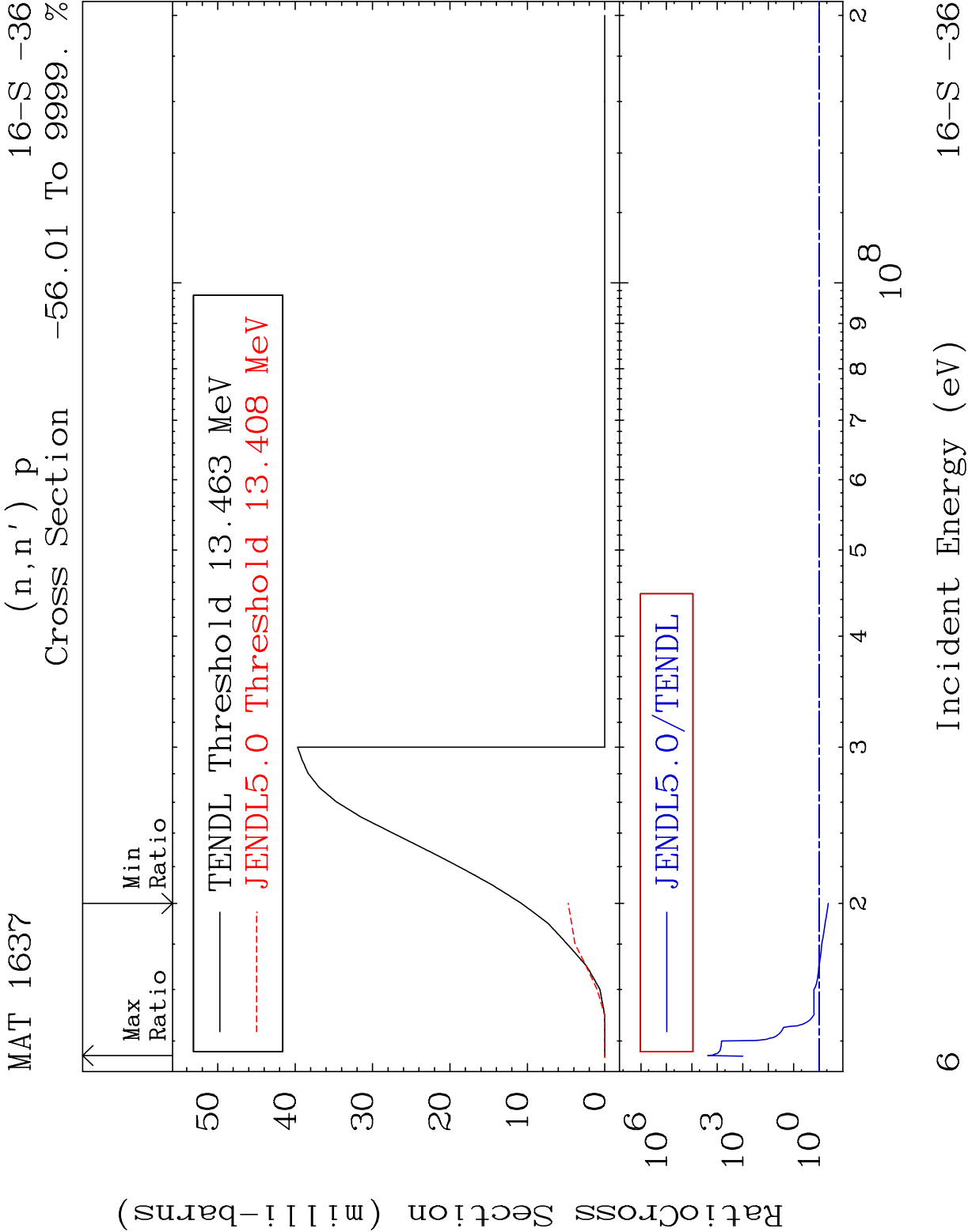
JENDL5.0/TENDL

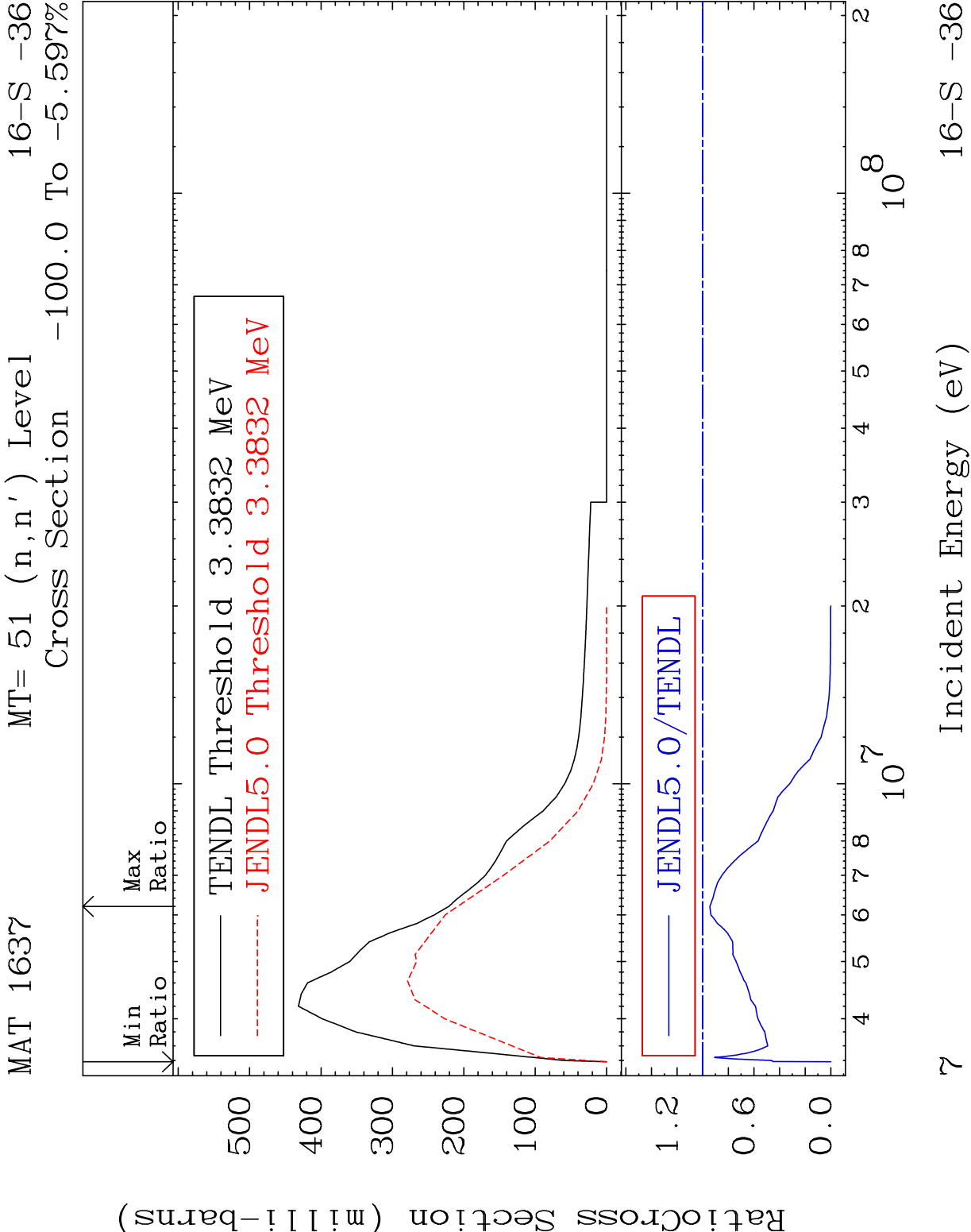
4

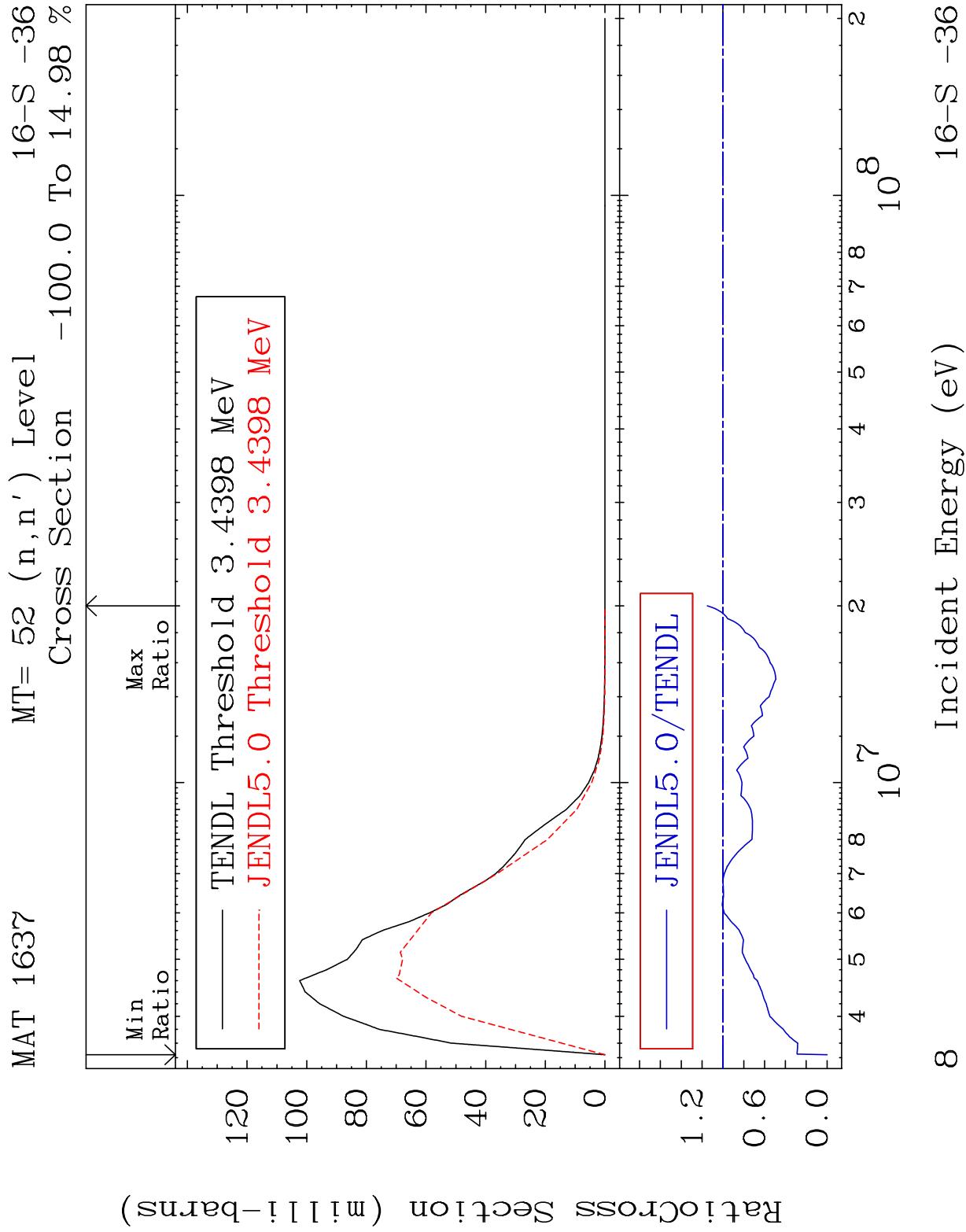
Incident Energy (eV)

16-5-36

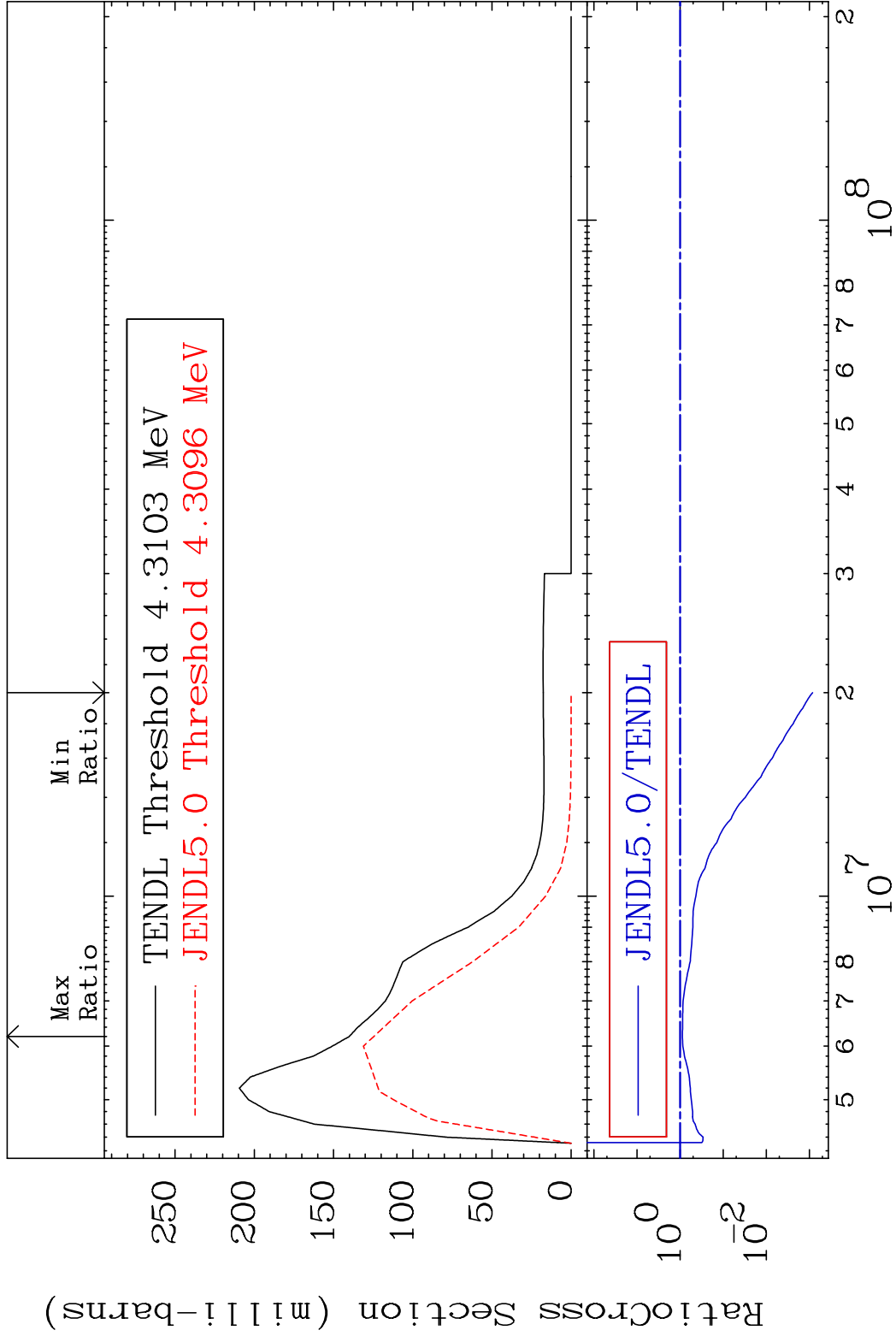


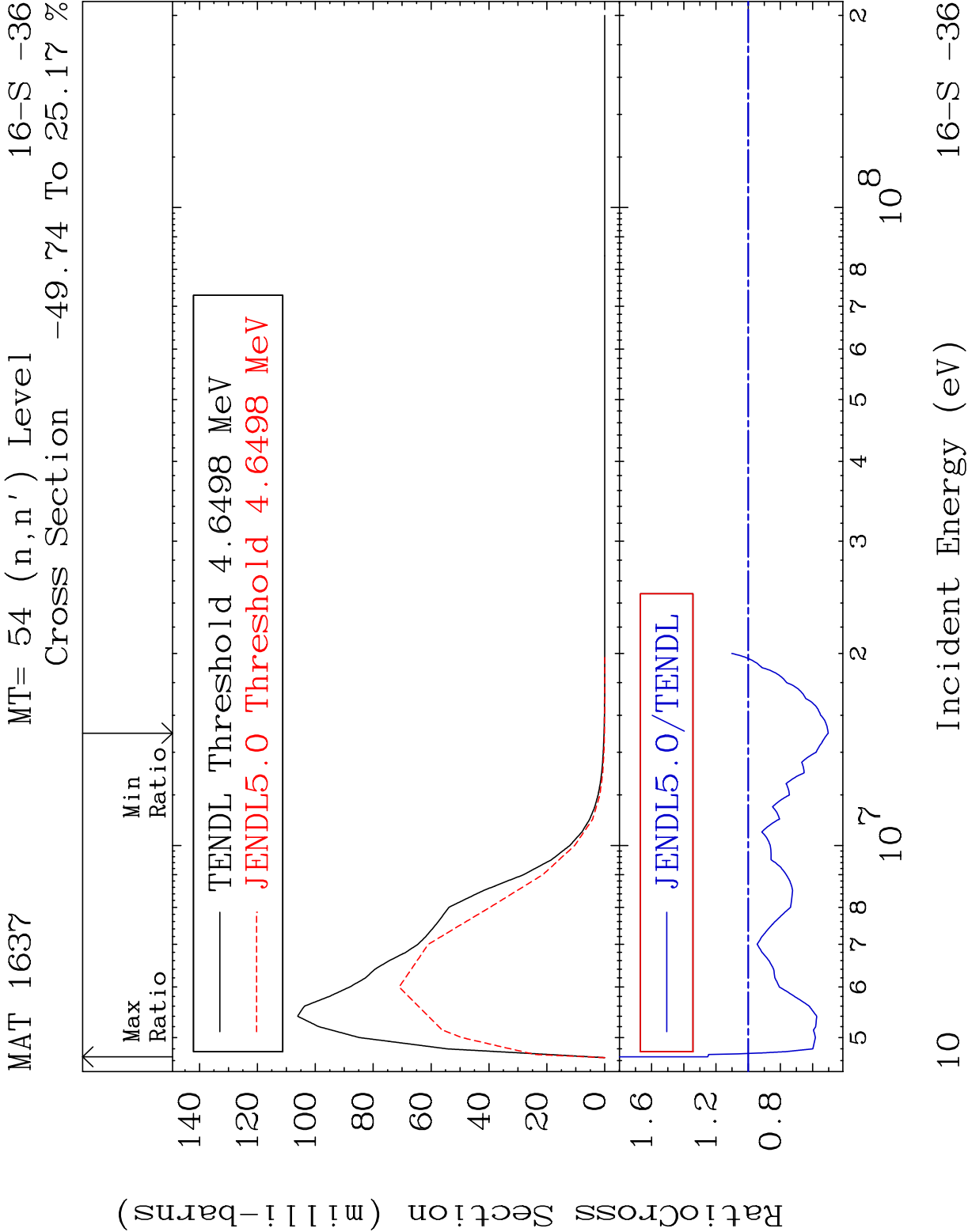






MAT 1637 MT= 53 (n,n') Level 16-S -36
 Cross Section -99.91 To -11.06%





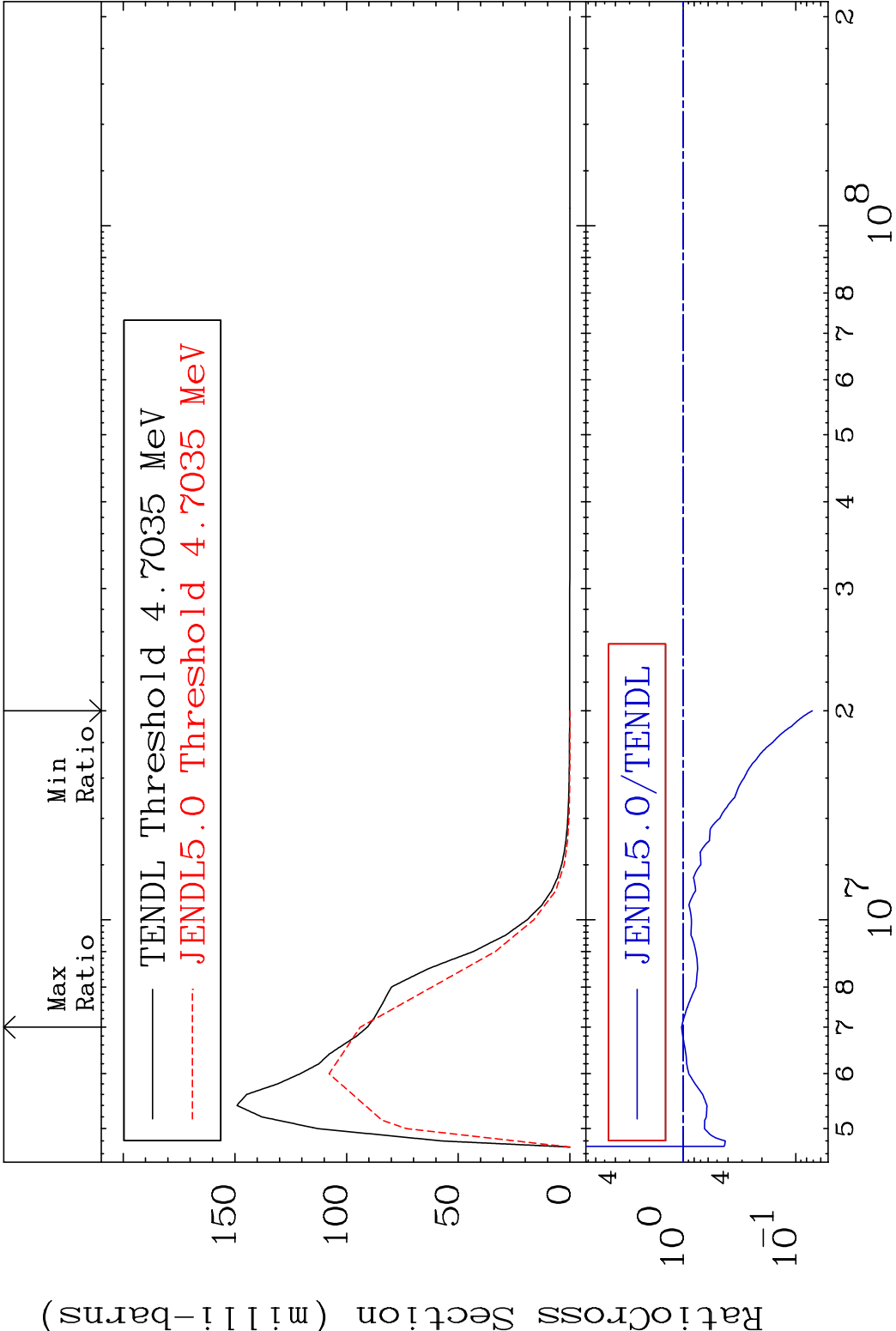
MAT 1637

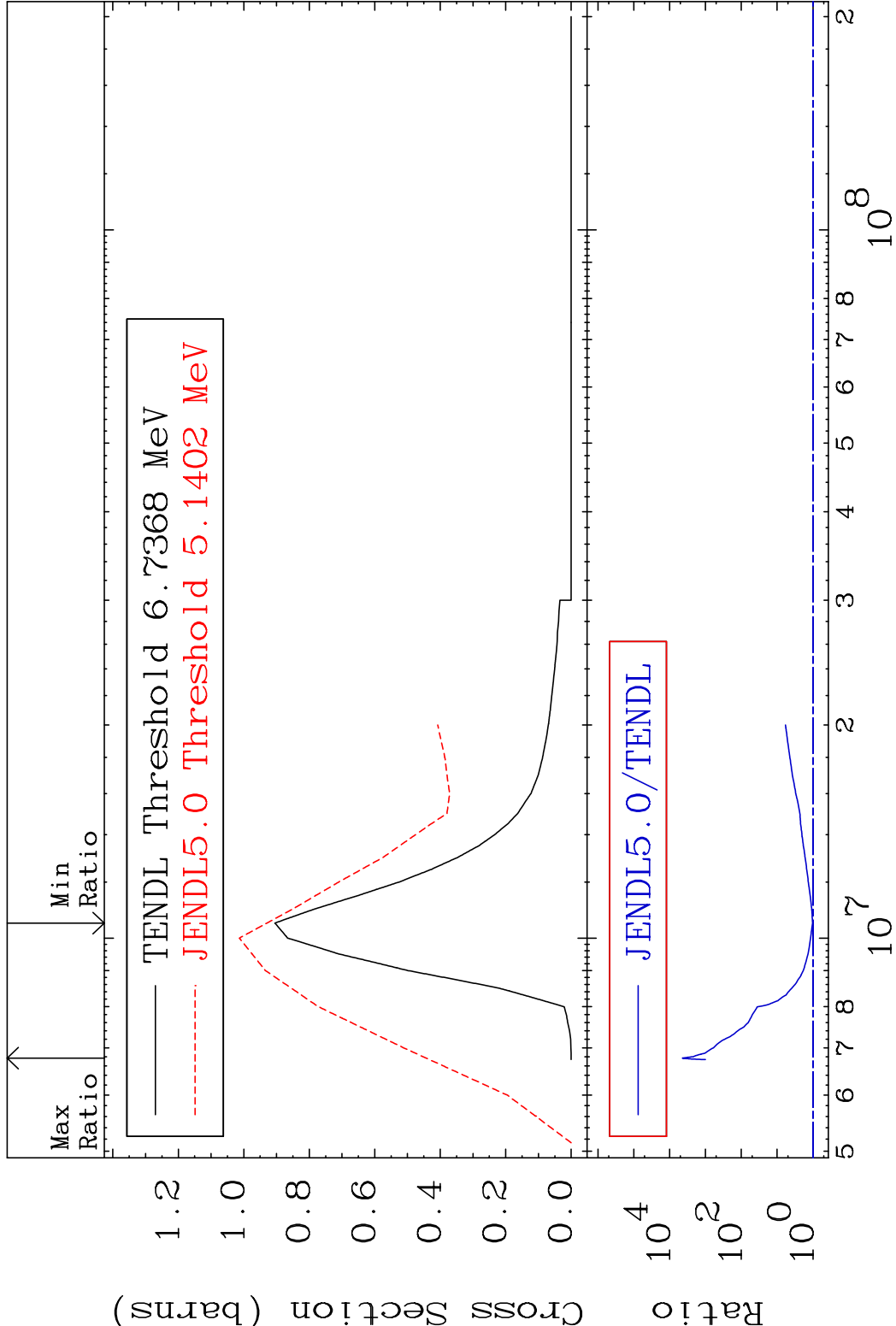
MT= 55 (n,n') Level

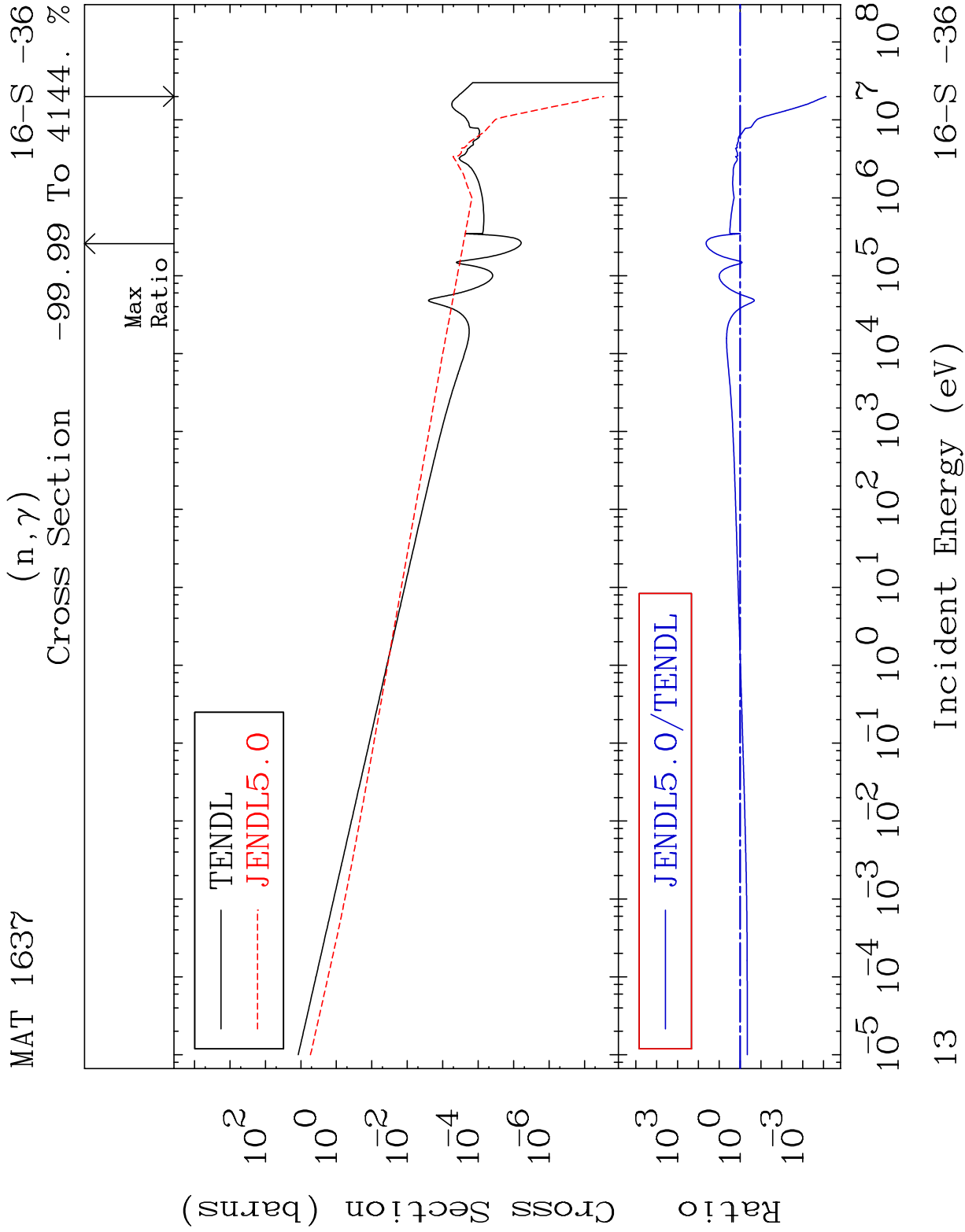
16-S -36

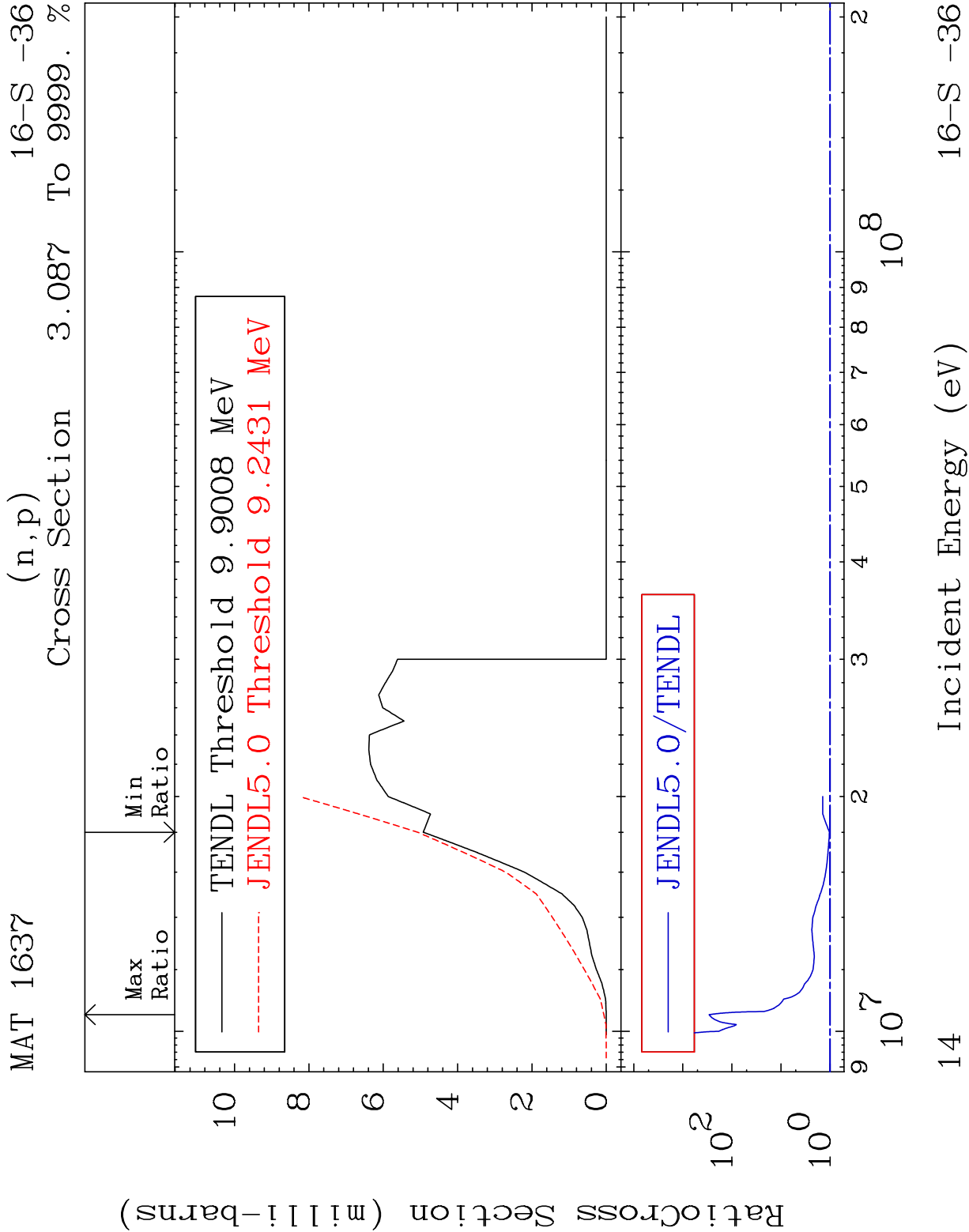
Cross Section

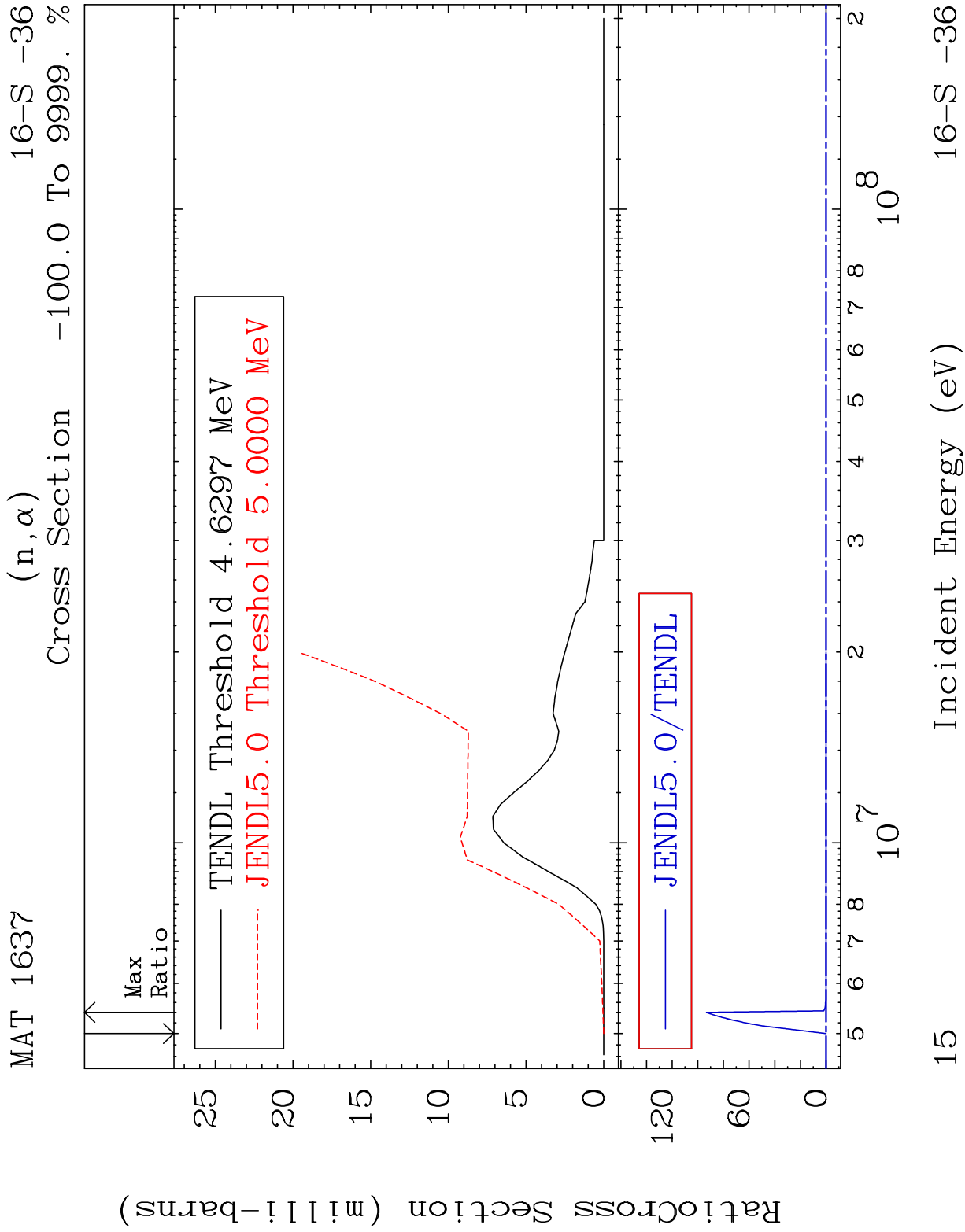
-92.86 To 3.496 %

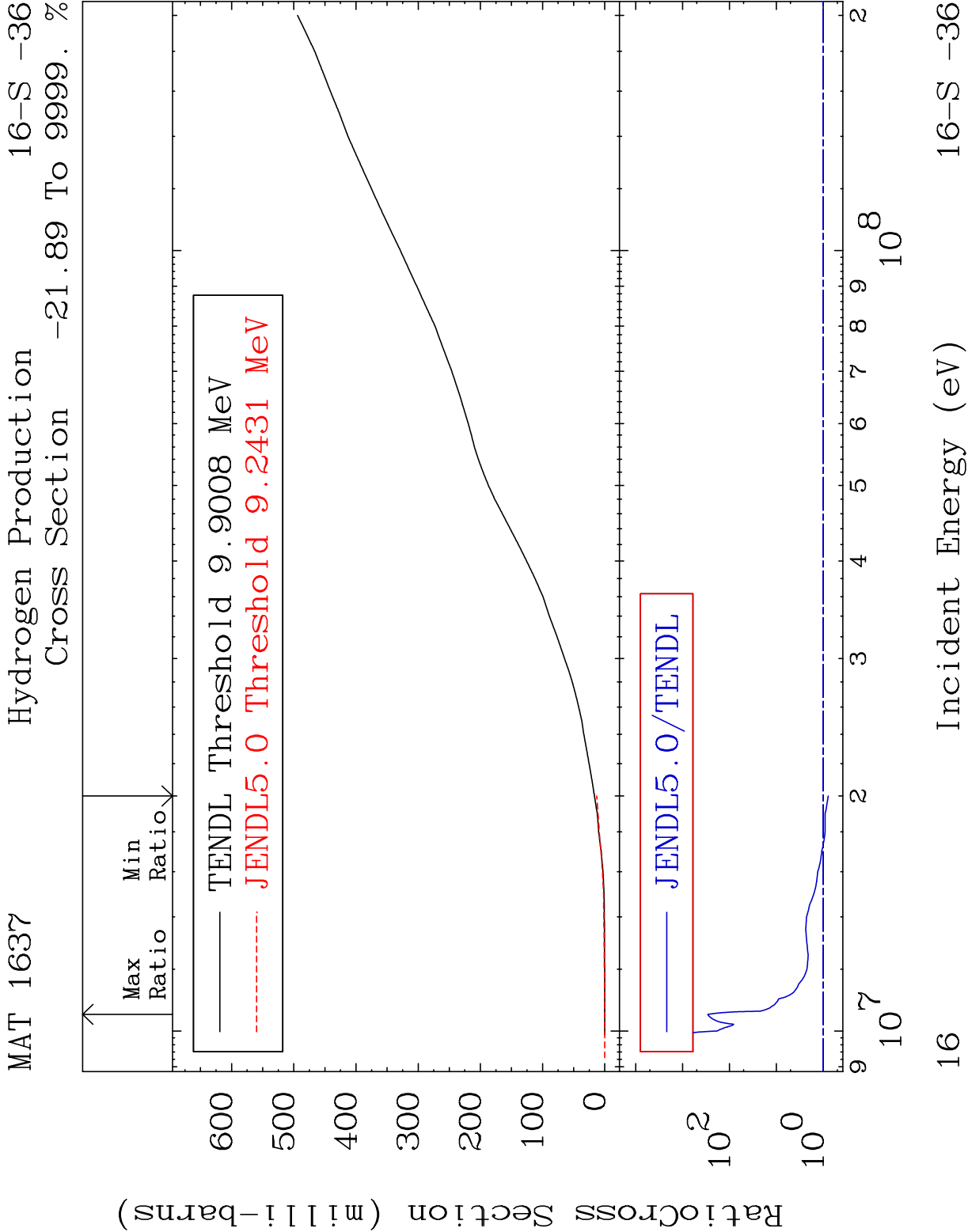


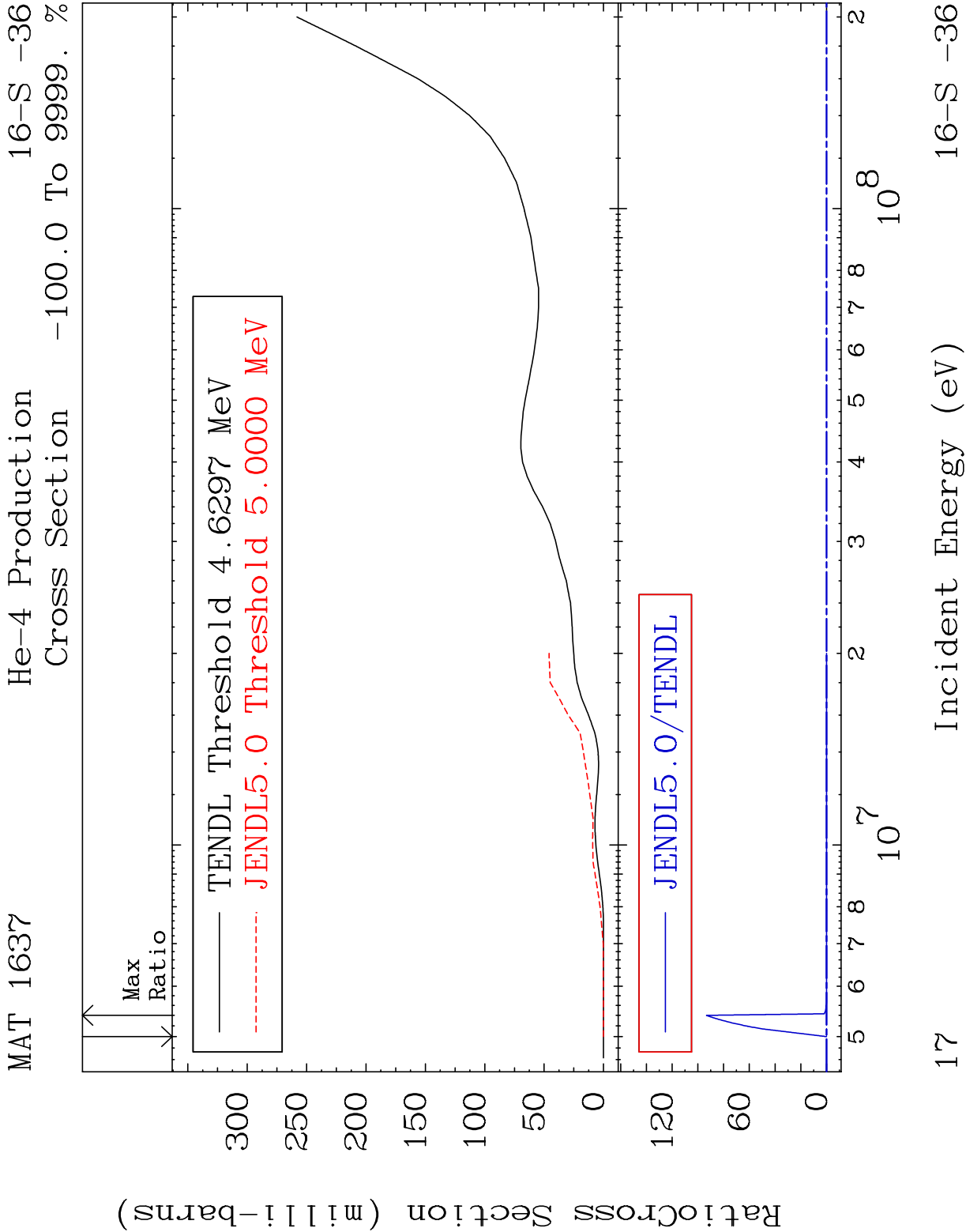


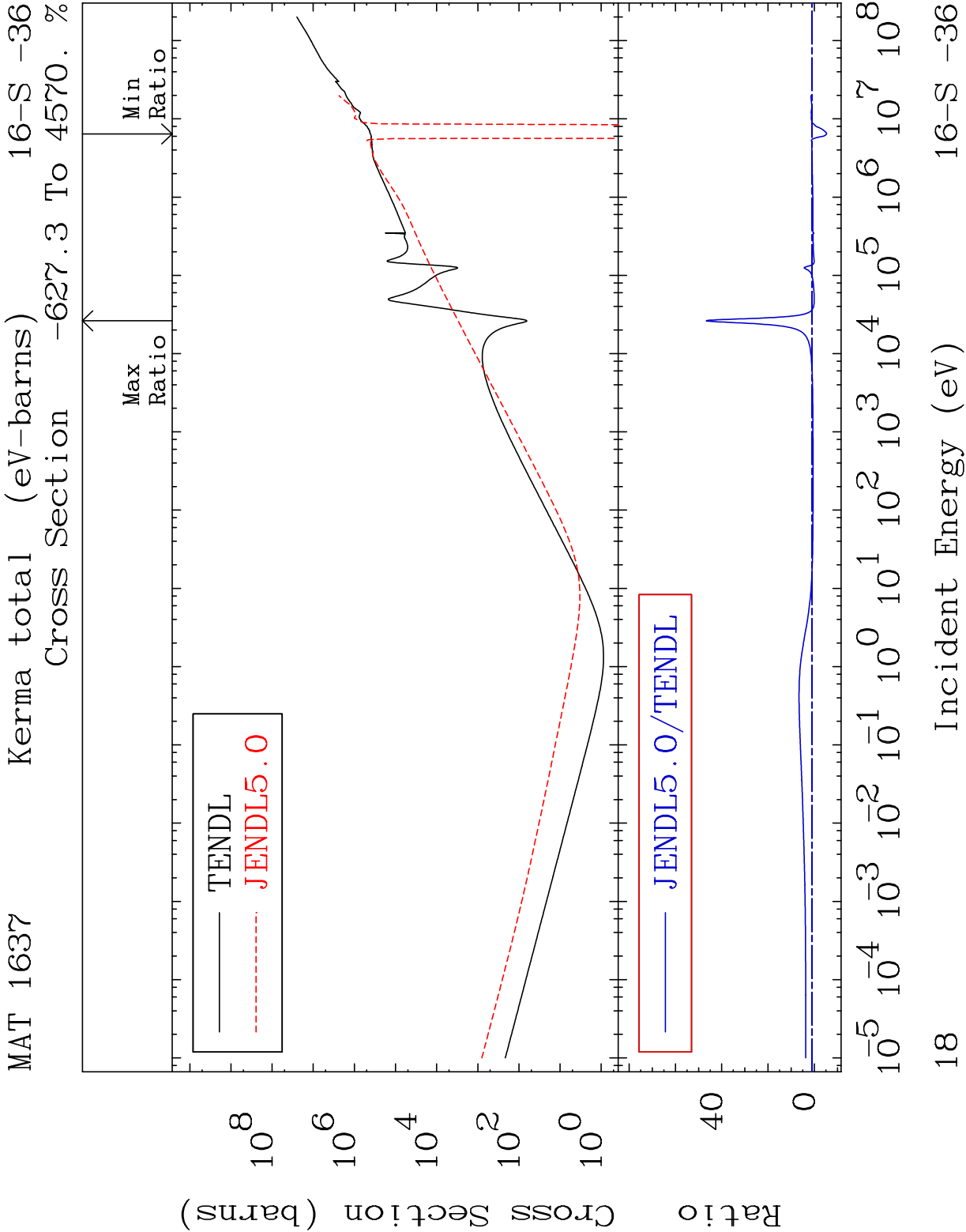








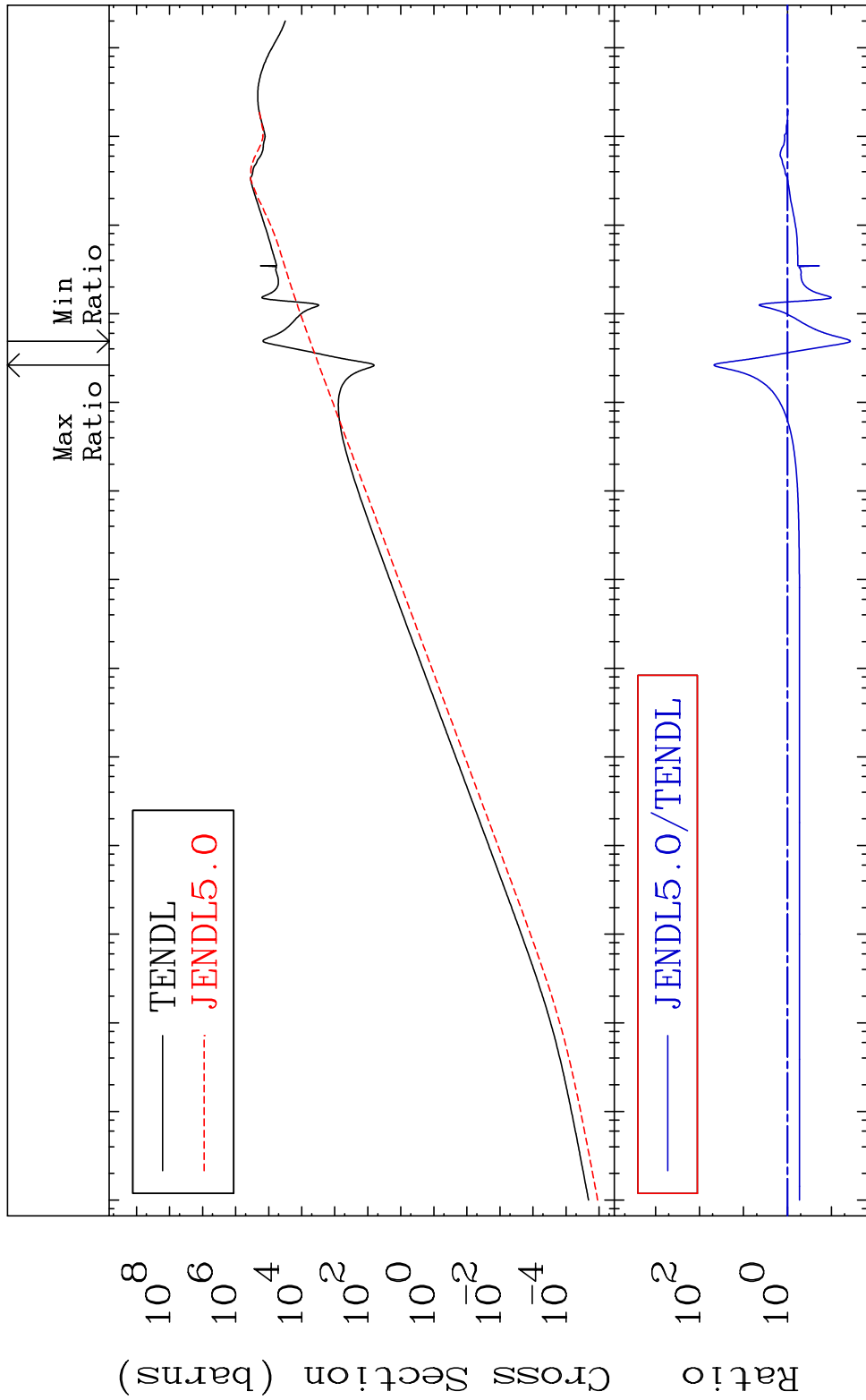




MAT 1637

Kerma elastic
Cross Section

-96.27 To 4570. %
16-S -36



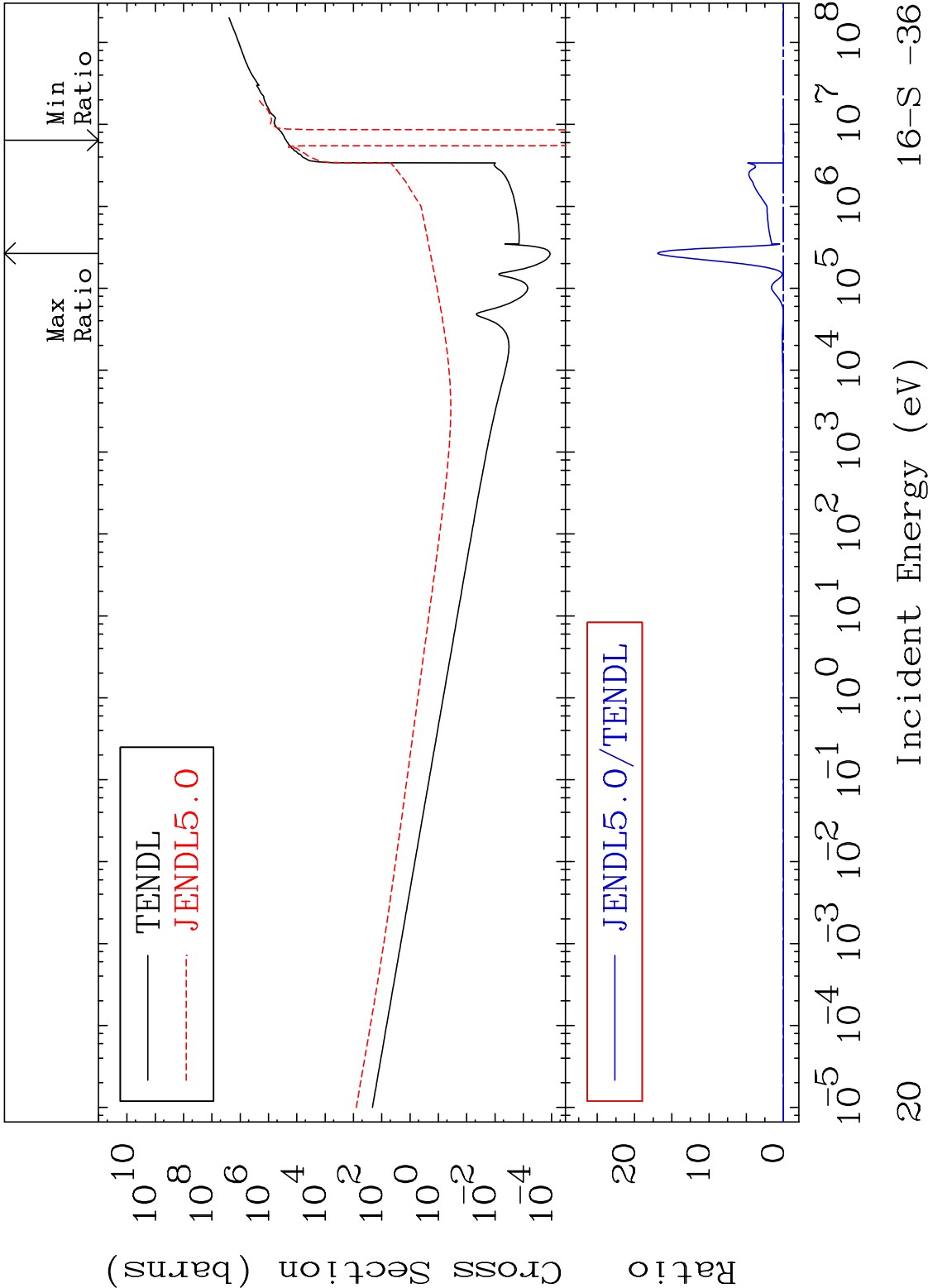
10⁻⁵ 10⁻⁴ 10⁻³ 10⁻² 10⁻¹ 10⁰ 10¹ 10² 10³ 10⁴ 10⁵ 10⁶ 10⁷ 10⁸

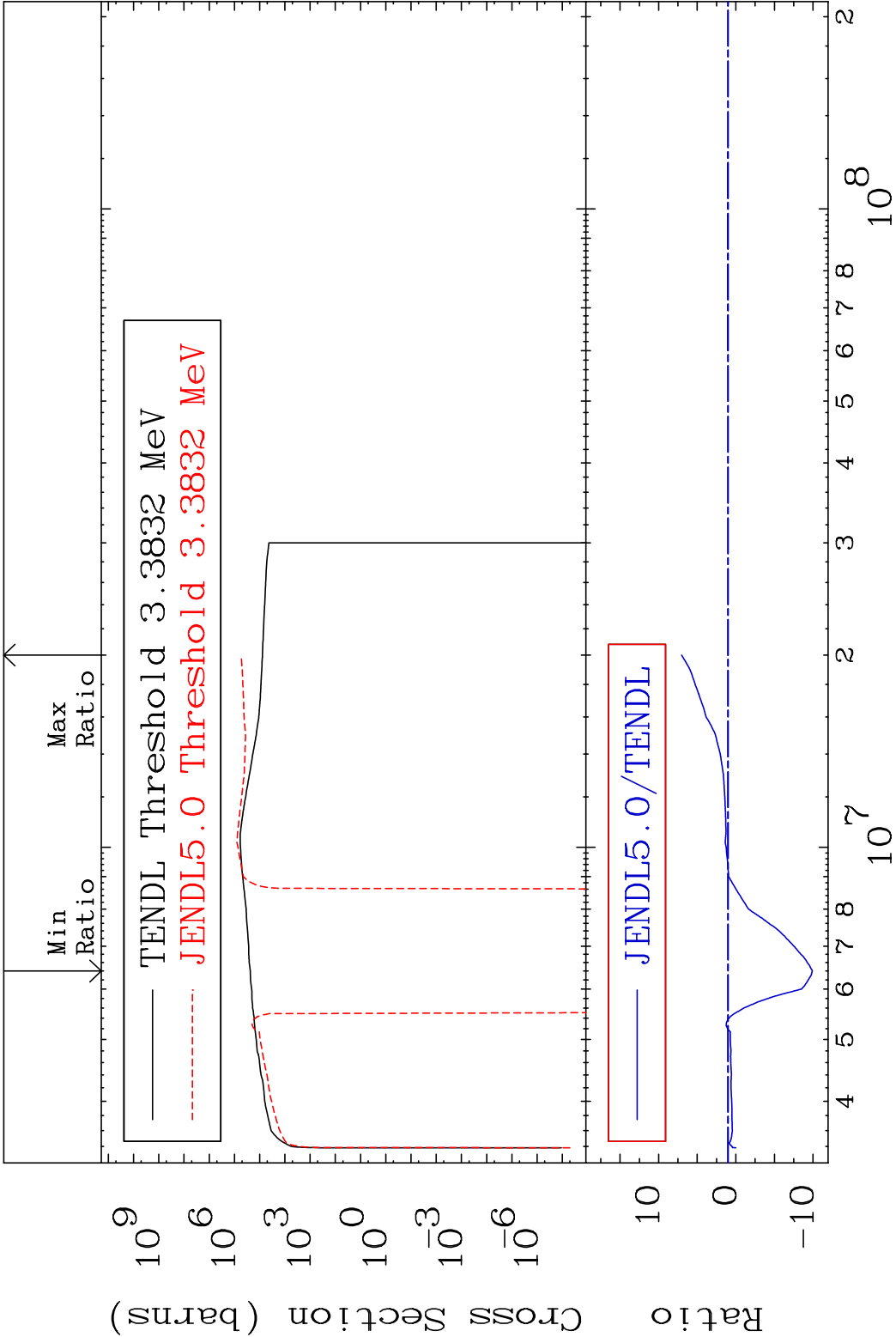
19

Incident Energy (eV)

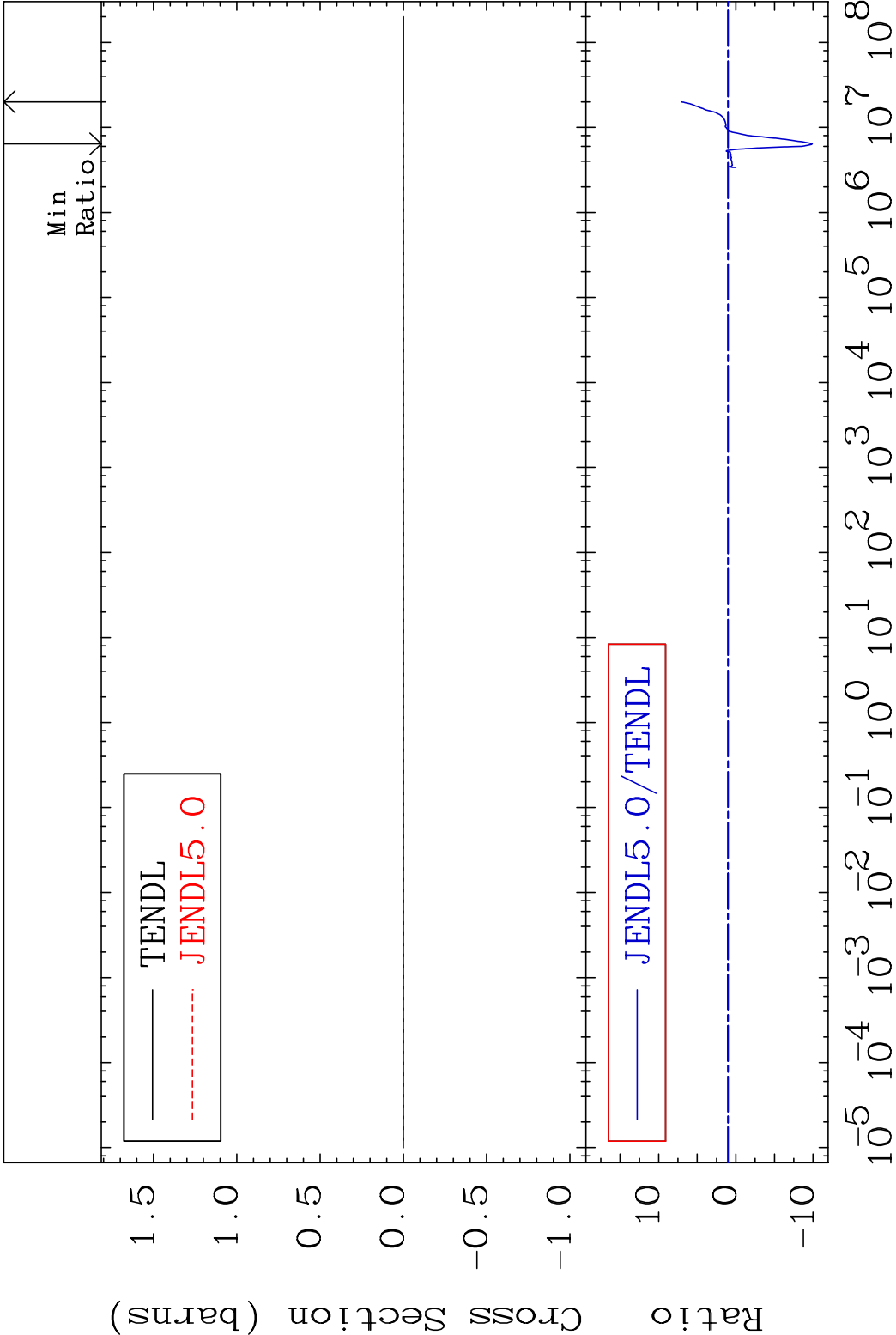
16-S -36

MAT 1637 Kerma non-elastic (all but mt2) 16-S -36
Cross Section -1089. To 9999. %



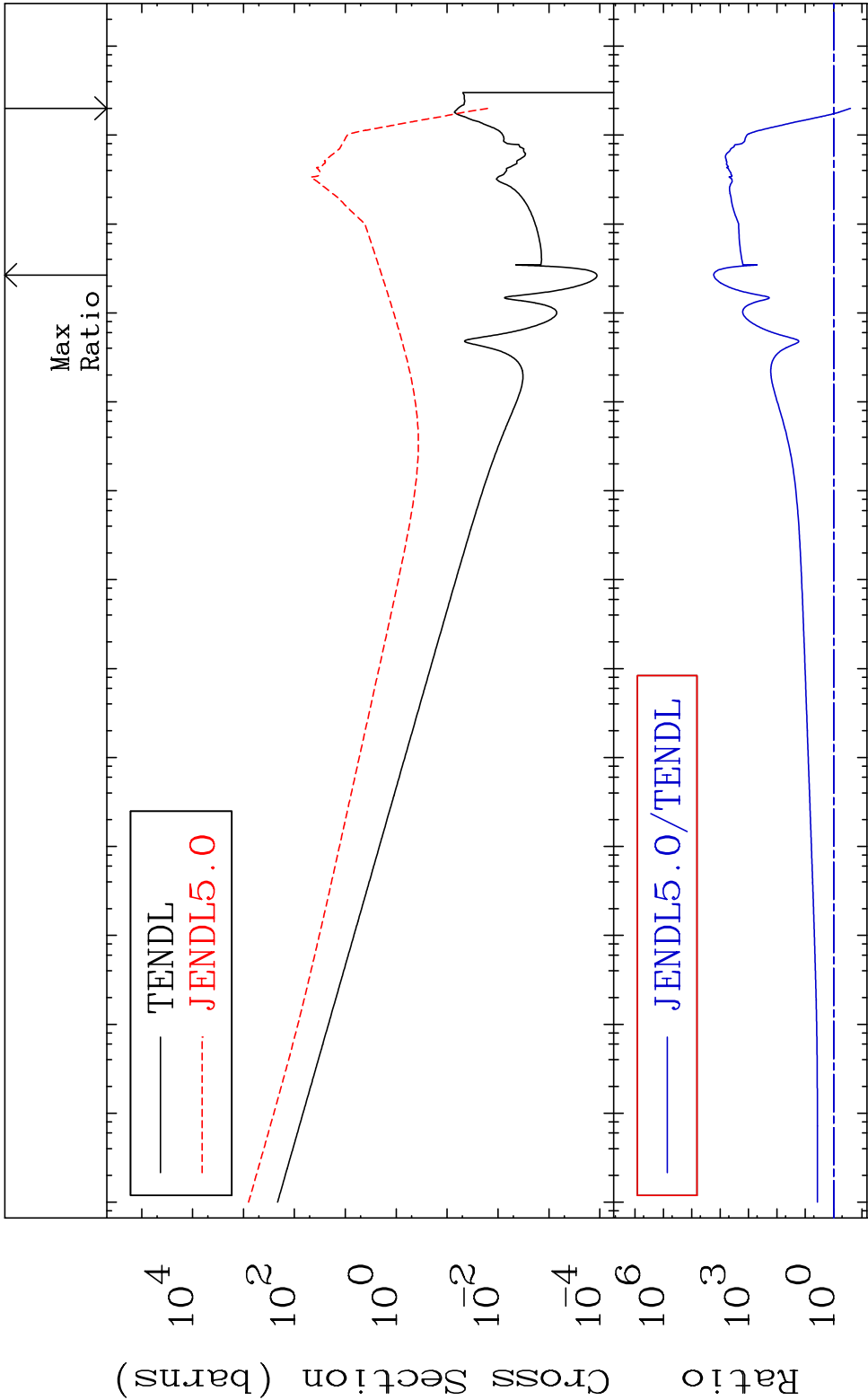


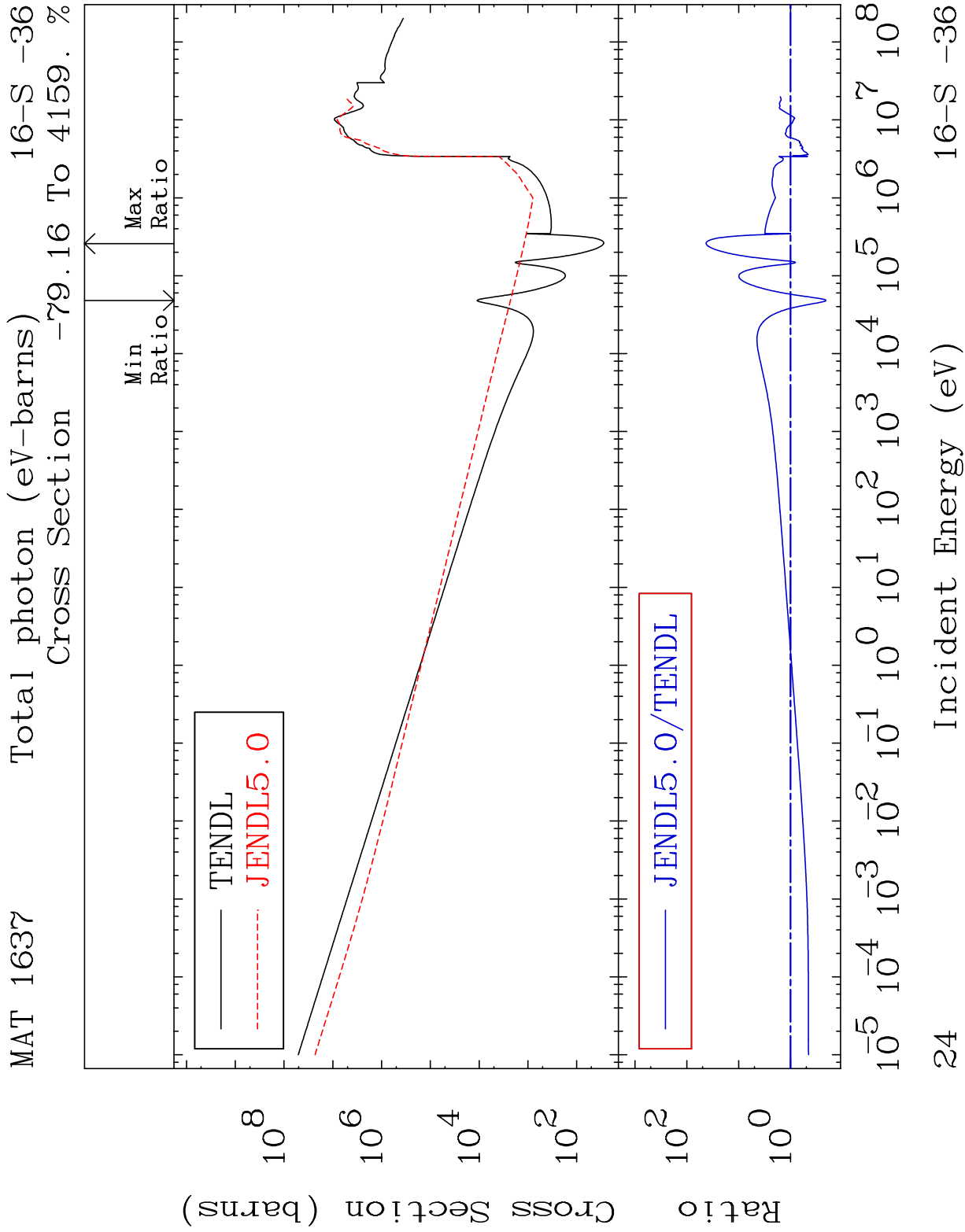
MAT 1637 Kerma fission (mt18 or mt19-20-21-38) 16-S -36
Cross Section -1089. To 603.4 %



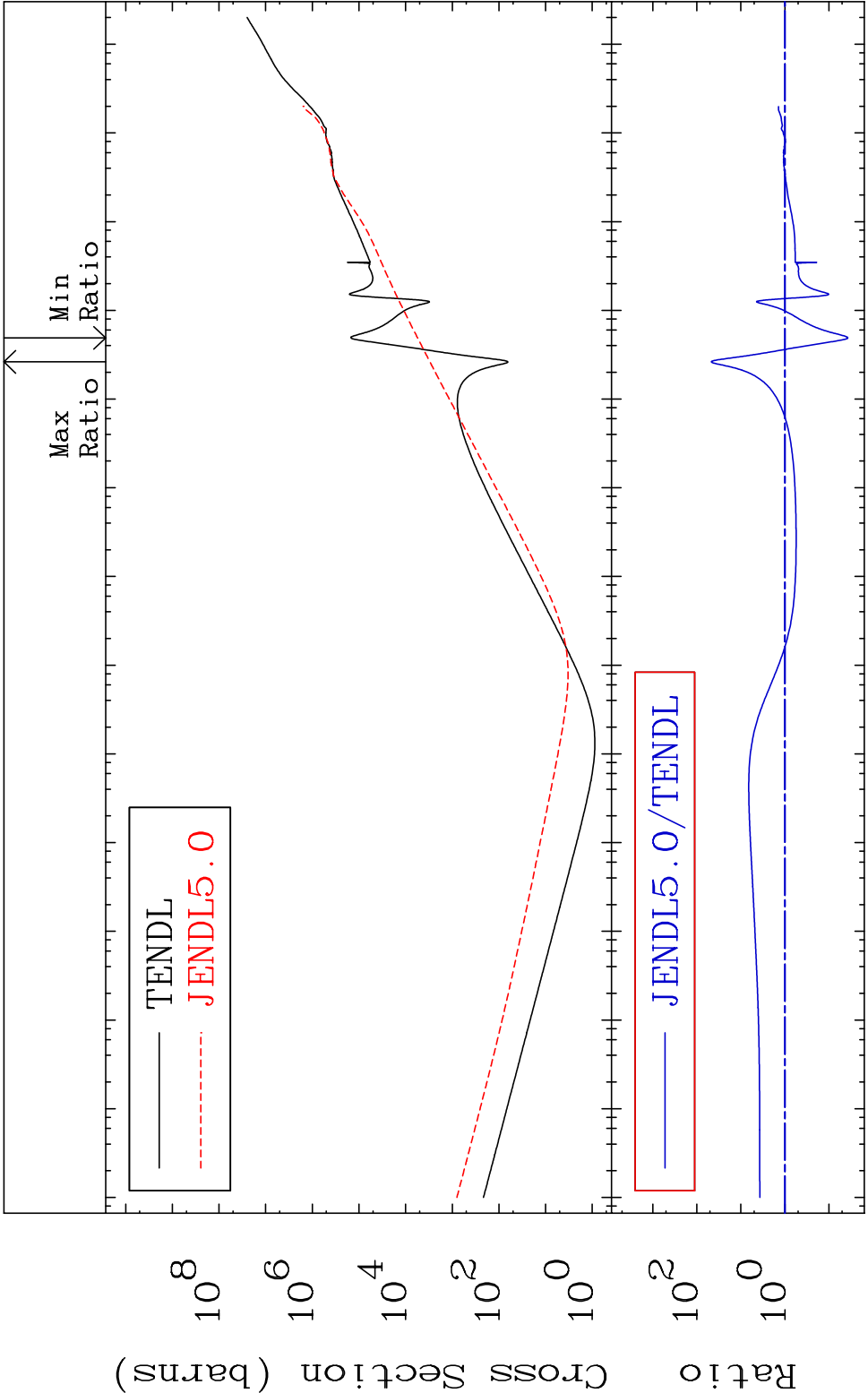
22 Incident Energy (eV) 16-S -36

MAT 1637 Kerma capture (mt102) 16-S -36
Cross Section -74.32 To 9999. %

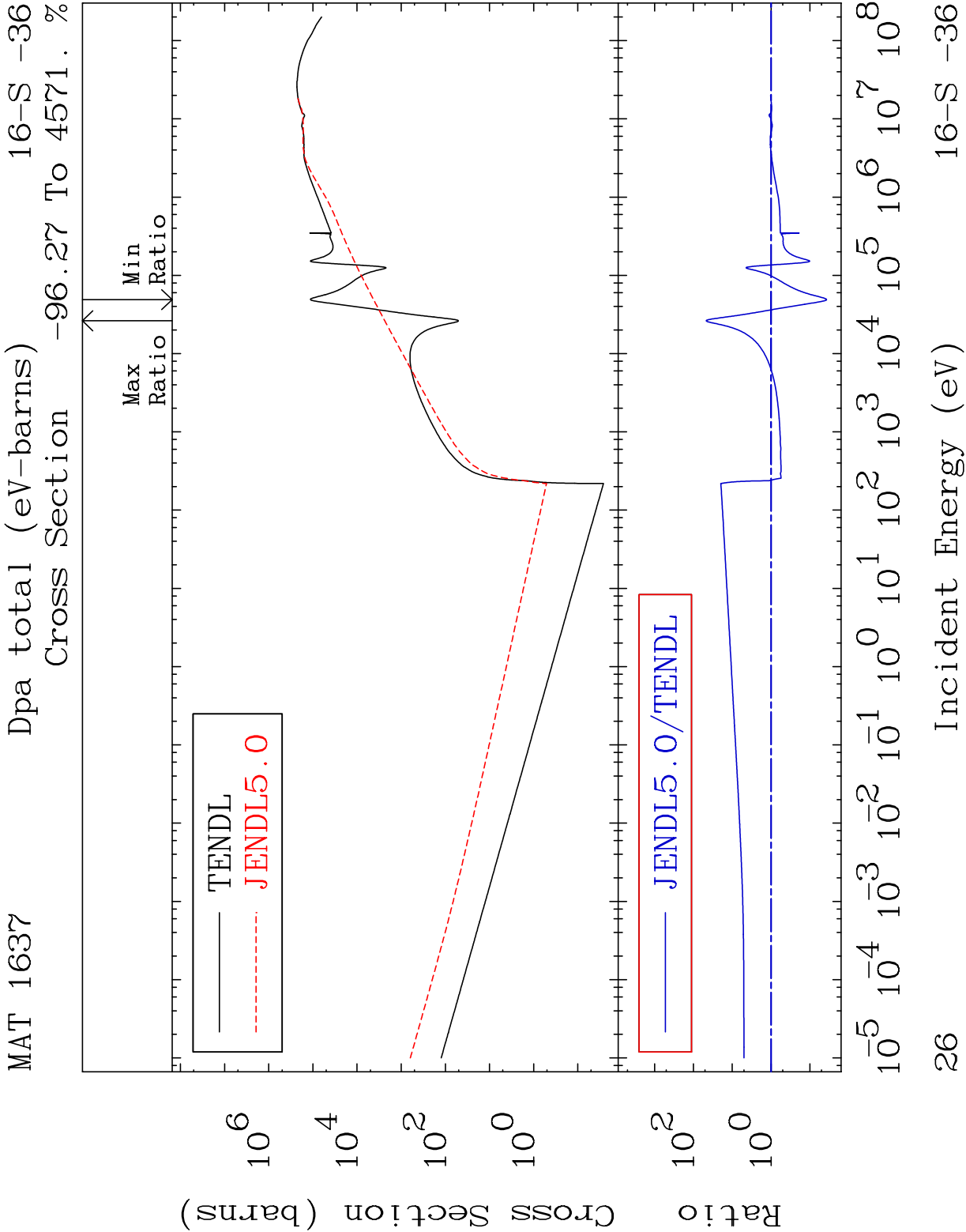




MAT 1637 Total kinematic kerma (high limit) 16-S -36
Cross Section -96.27 To 4570. %



Incident Energy (eV) 16-S -36

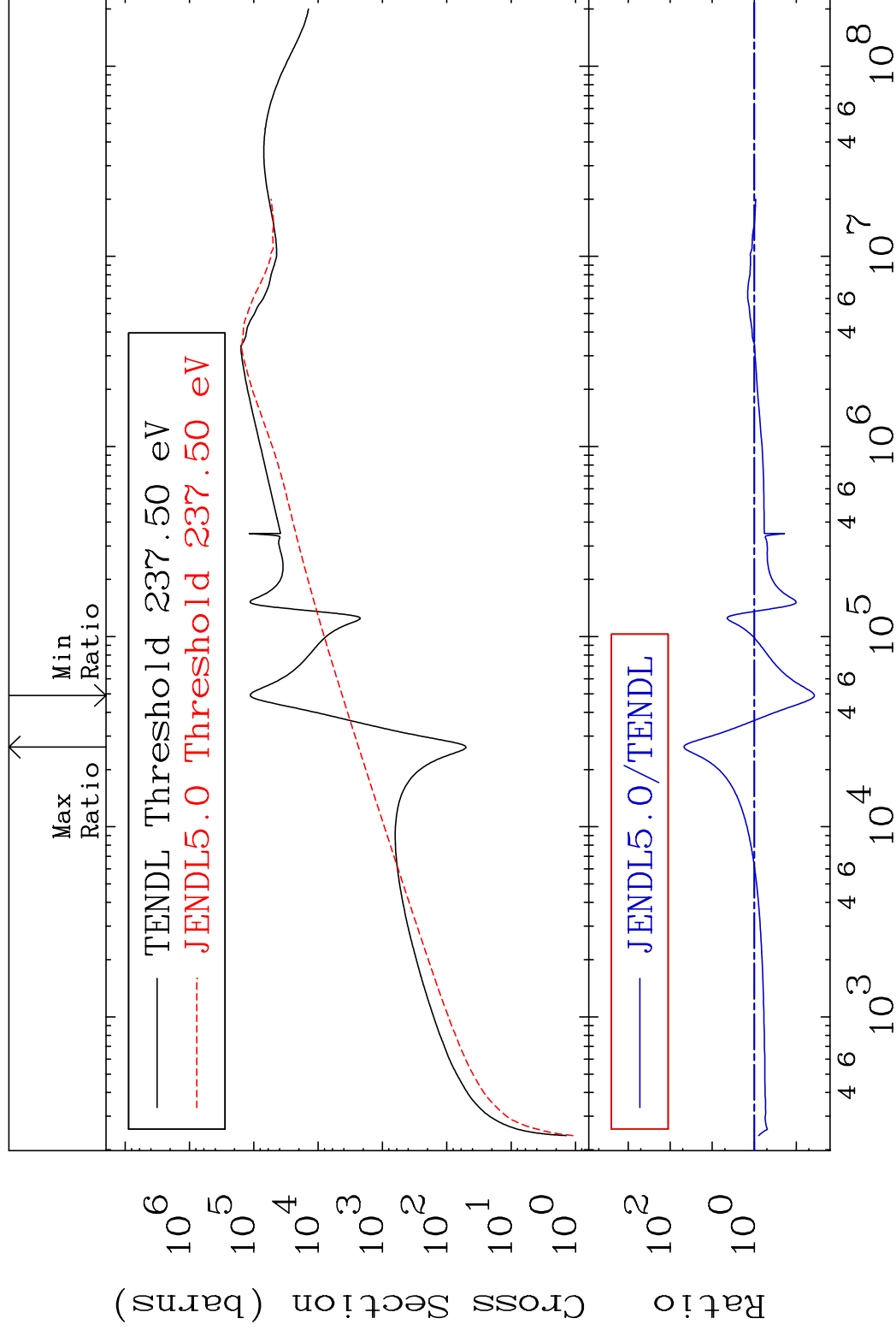


MAT 1637

Dpa elastic (mt2)

16-5-36

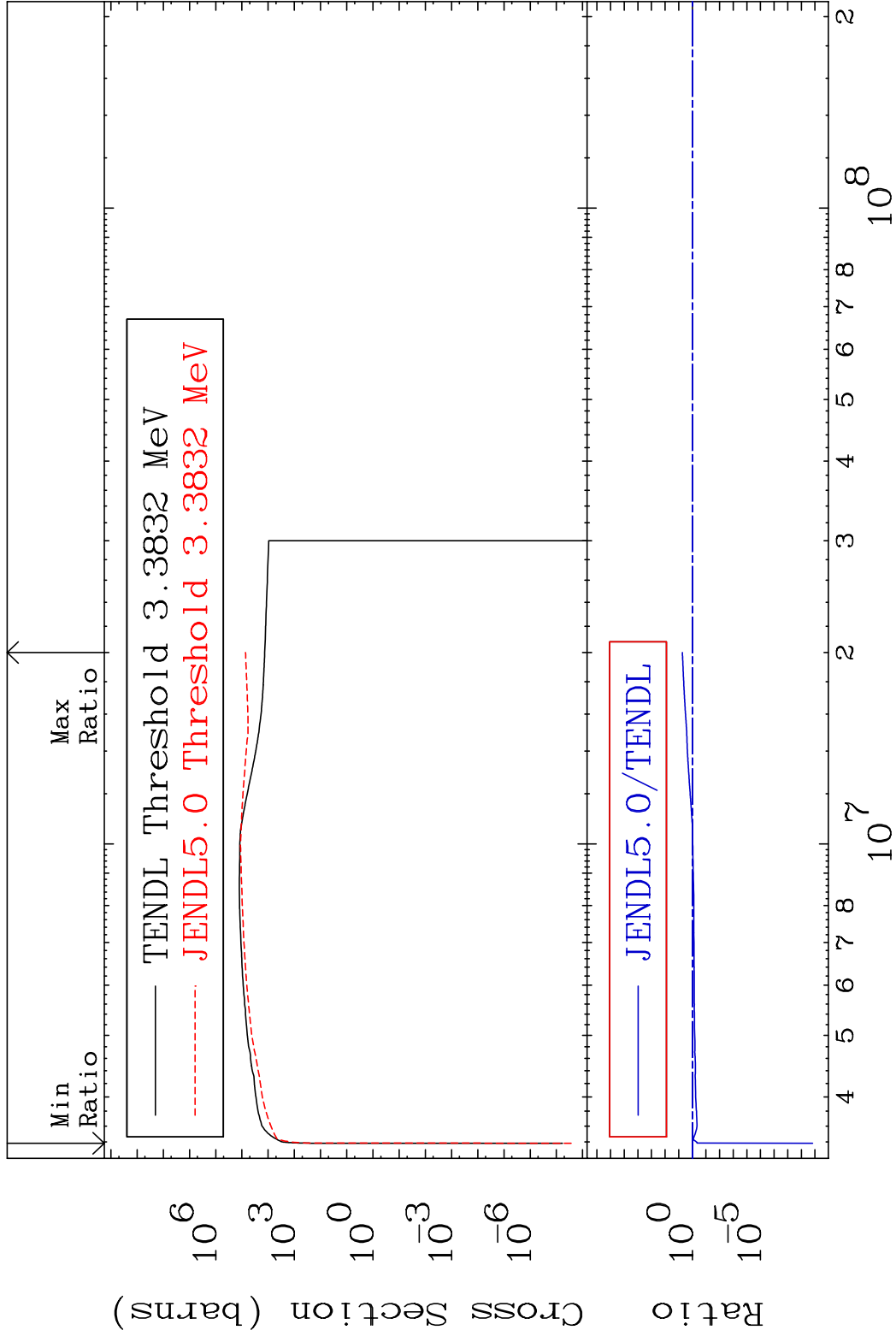
Cross Section -96.27 To 4571. %



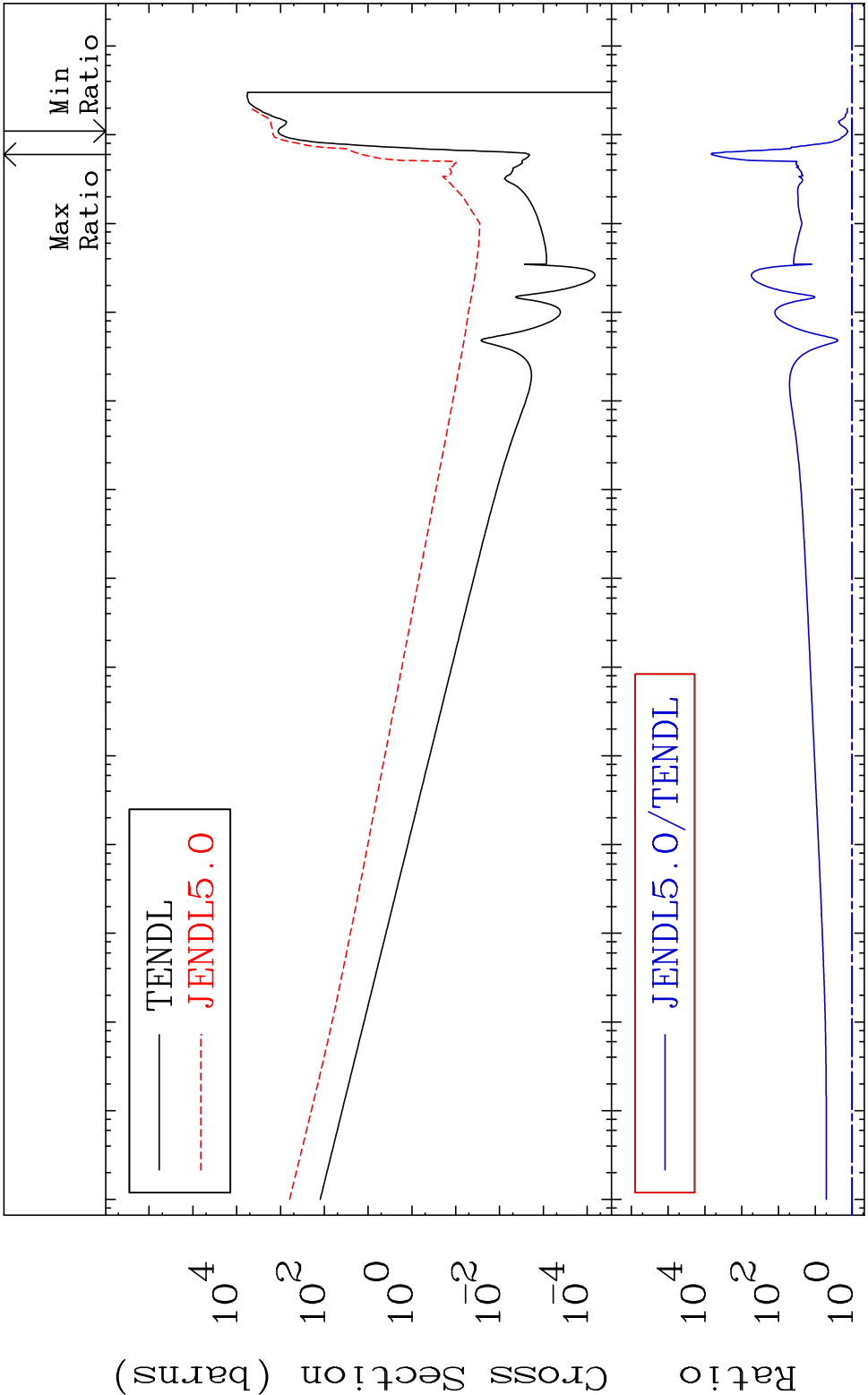
22

Incident Energy (eV)

16-5-36



MAT 1637 Dpa disappearance (mt102 -120) 16-S -36
Cross Section 31.28 To 9999. %



29 Incident Energy (eV) 16-S -36