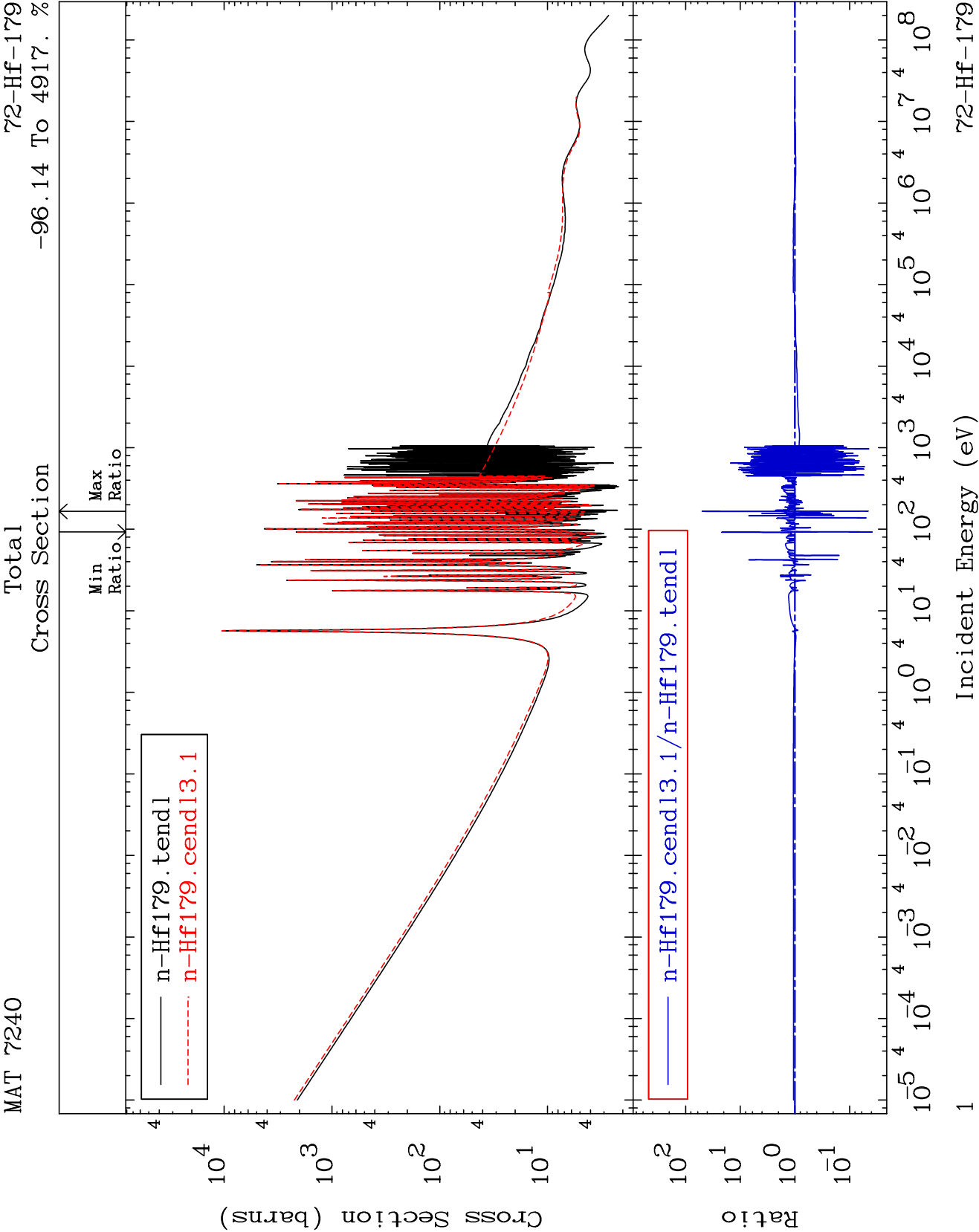




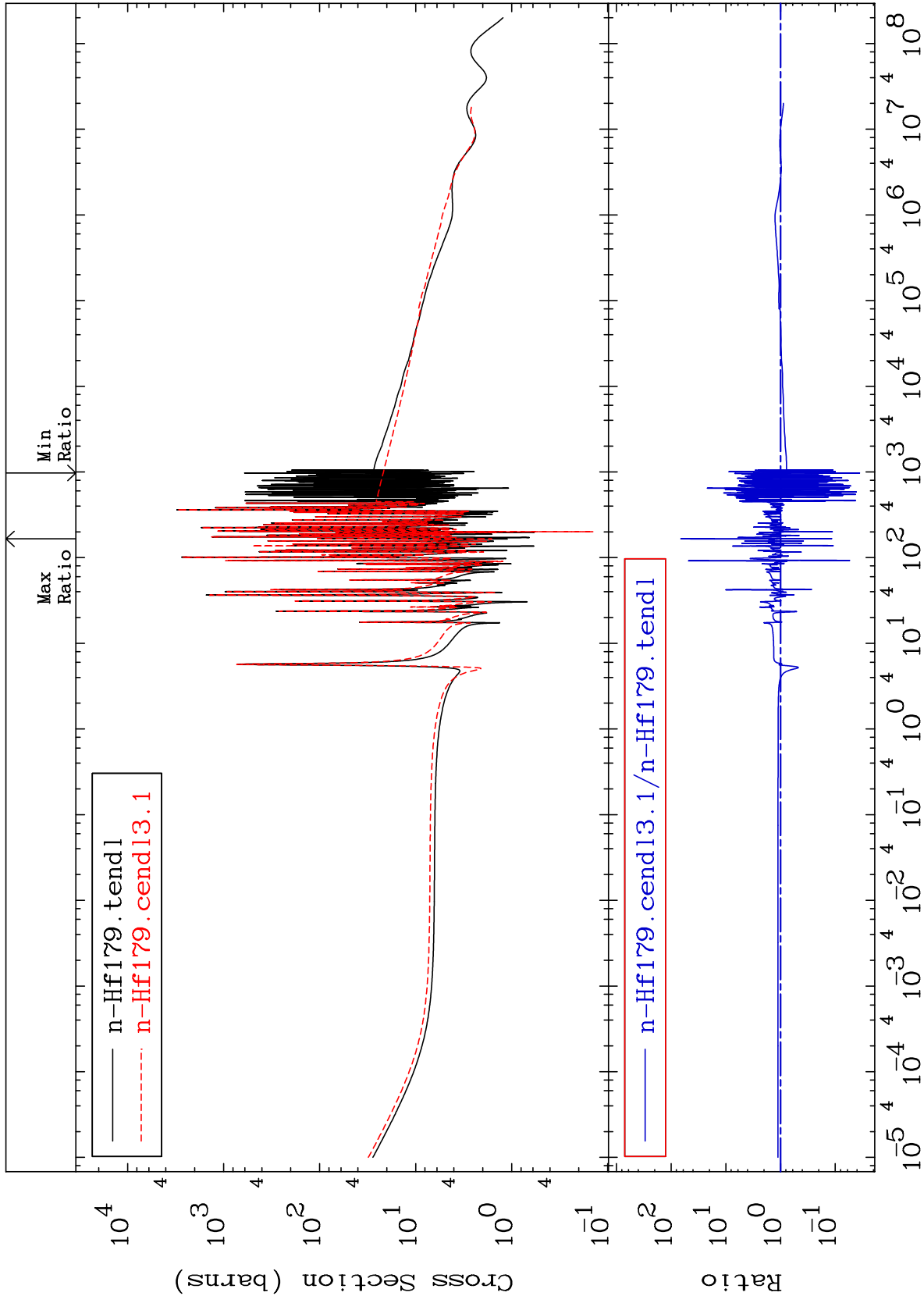
MAT 7240

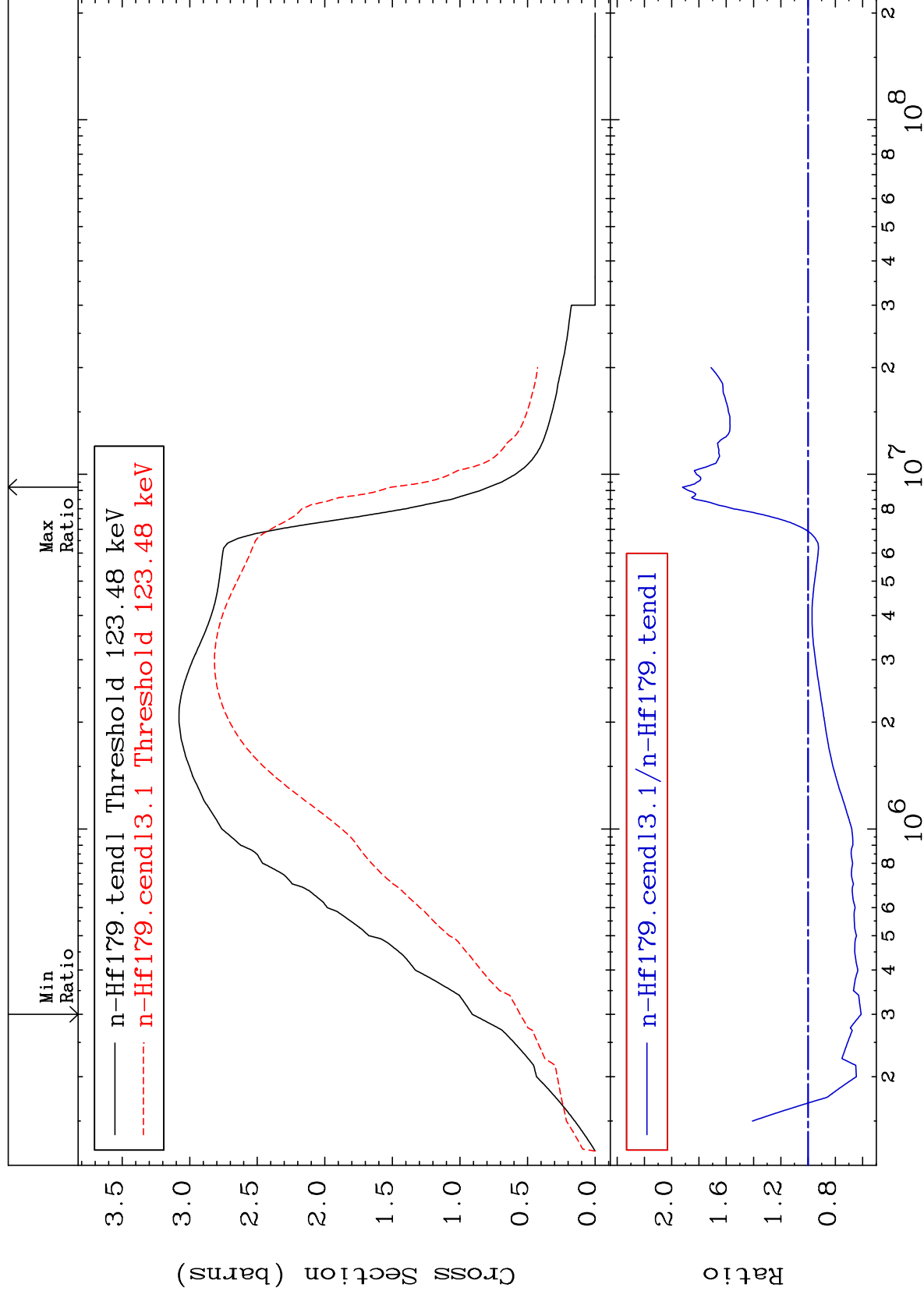
Elastic

Cross Section

⁷²Hf-¹⁷⁹

-96.40 To 6565. %





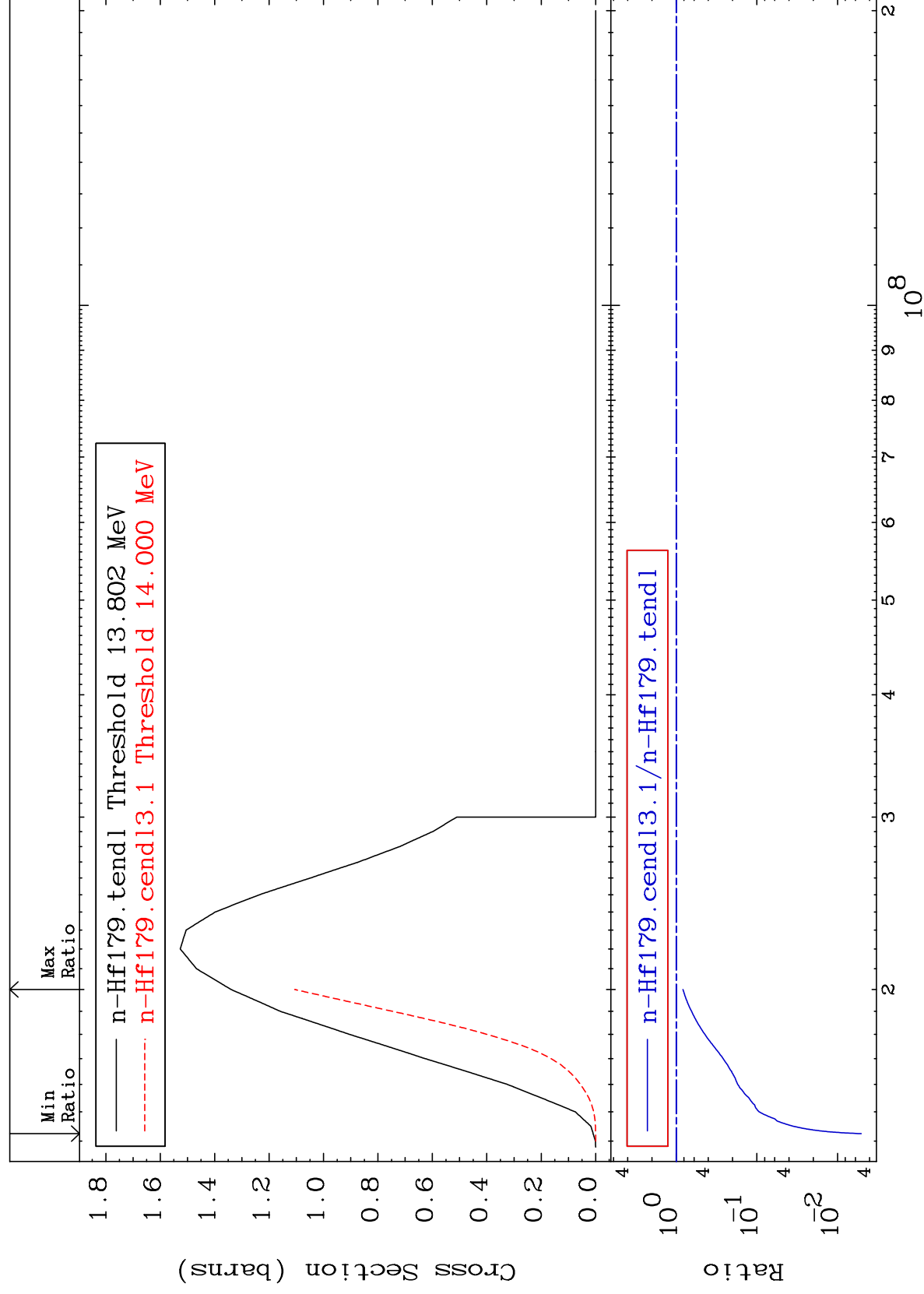
MAT 7240

$$(n, 3n)$$

Cross Section

72-Hf-179

-99.49 To -17.46%



5

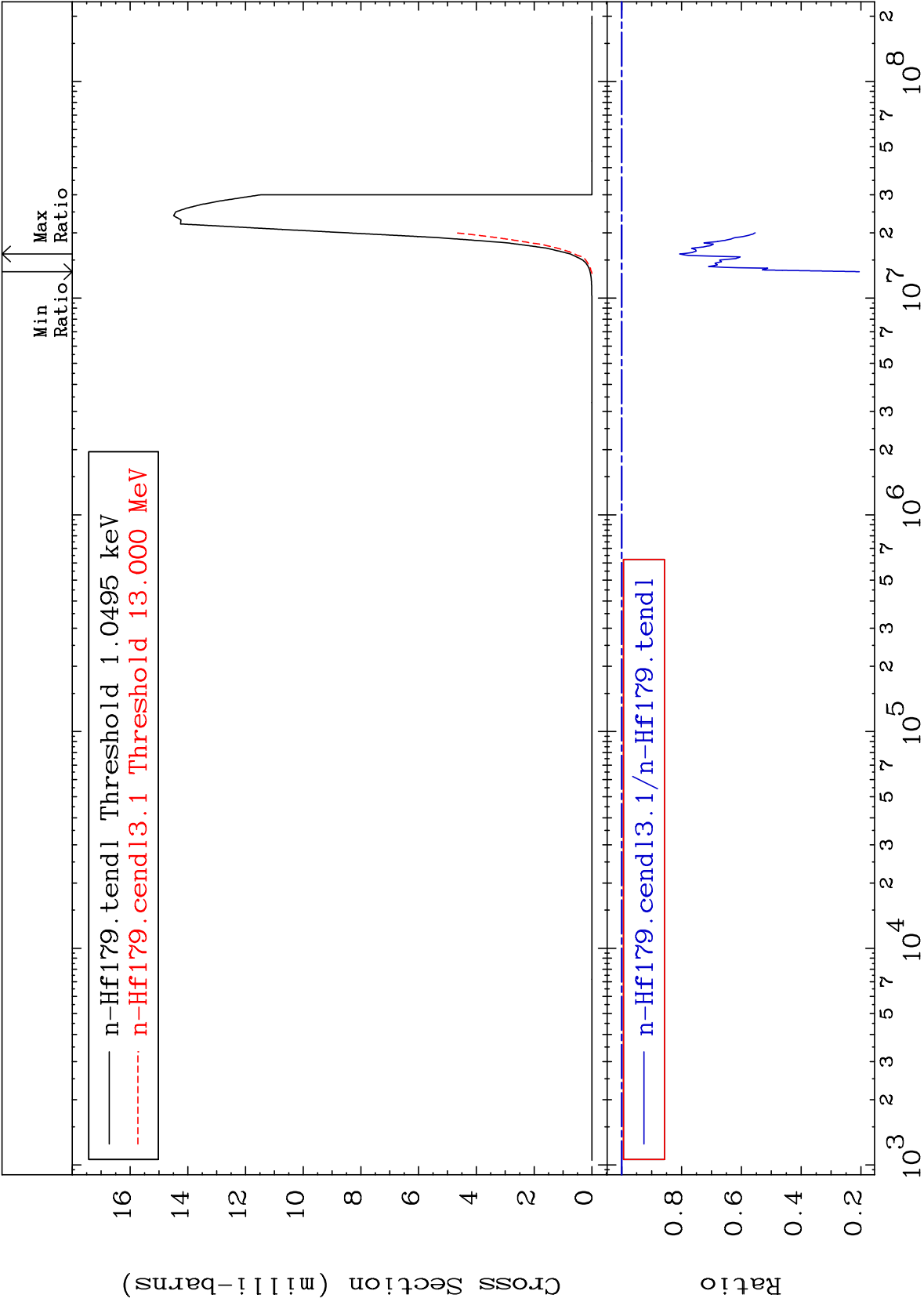
Incident Energy (eV)

72-Hf-179

MAT 7240

$(n, n') \alpha$
Cross Section

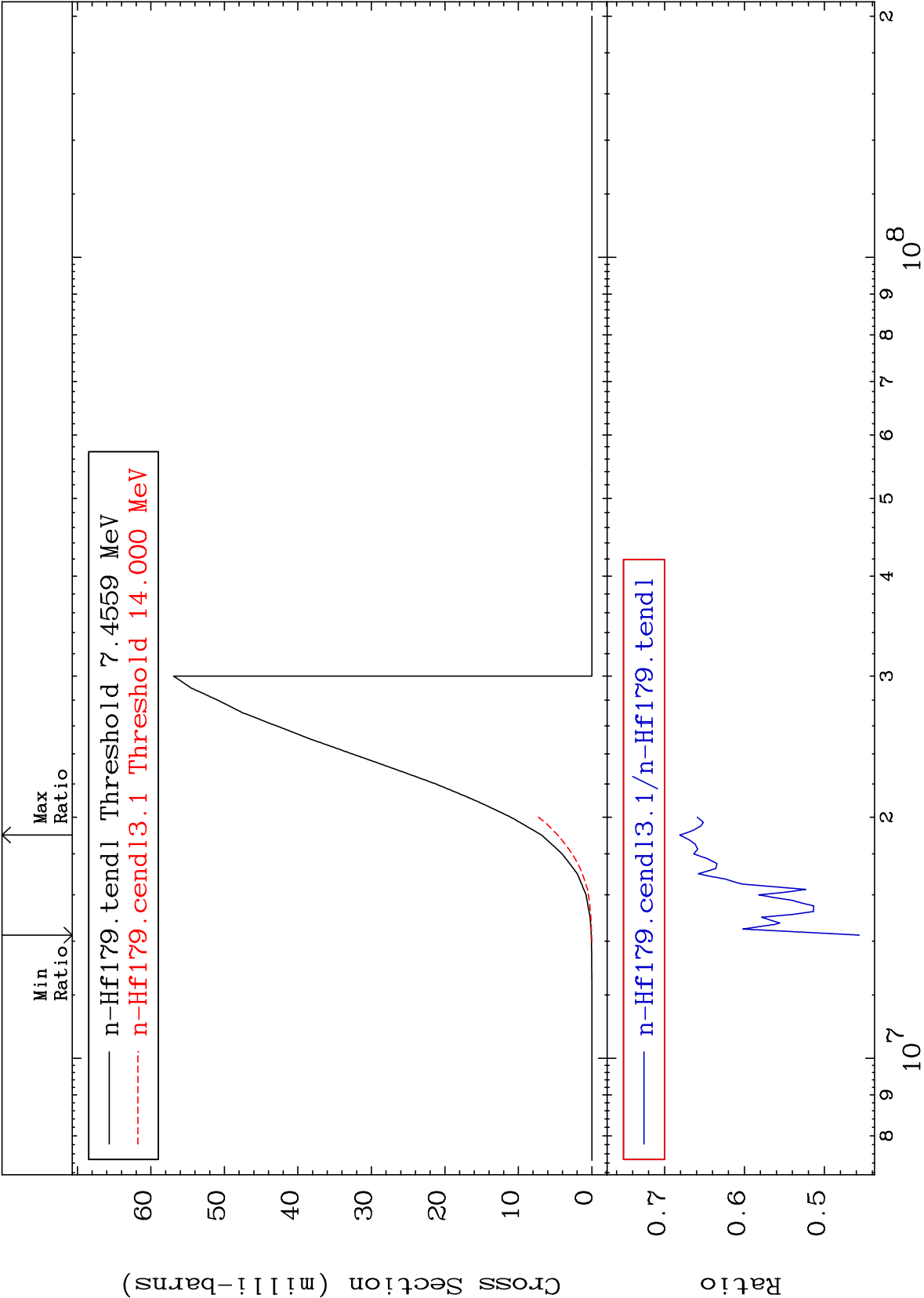
$^{72}\text{Hf-179}$
-79.41 To -19.40%



MAT 7240

(n,n') p
Cross Section

⁷²Hf-¹⁷⁹
-54.36 To -31.90%



7

Incident Energy (eV)

⁷²Hf-¹⁷⁹

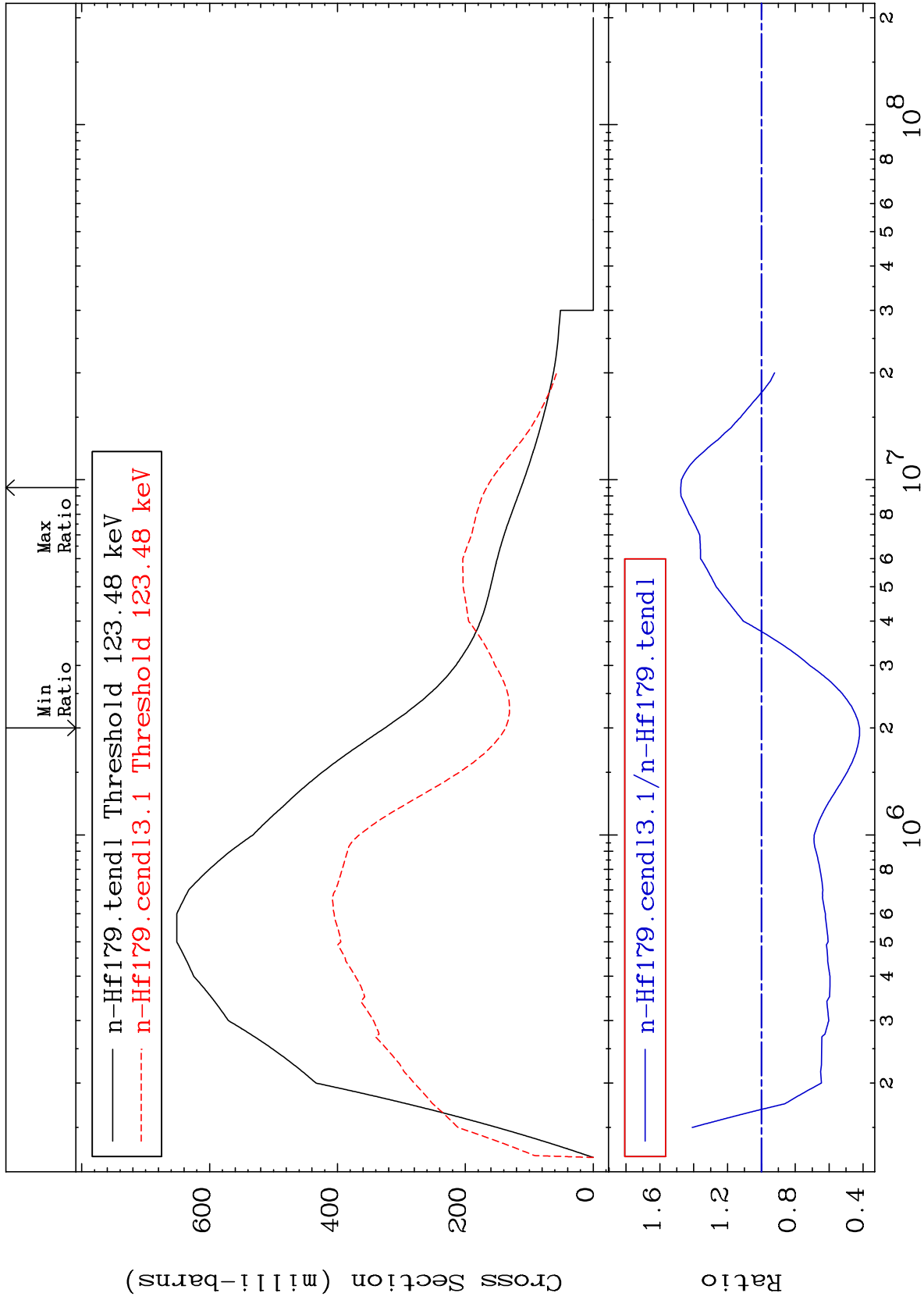
MAT 7240

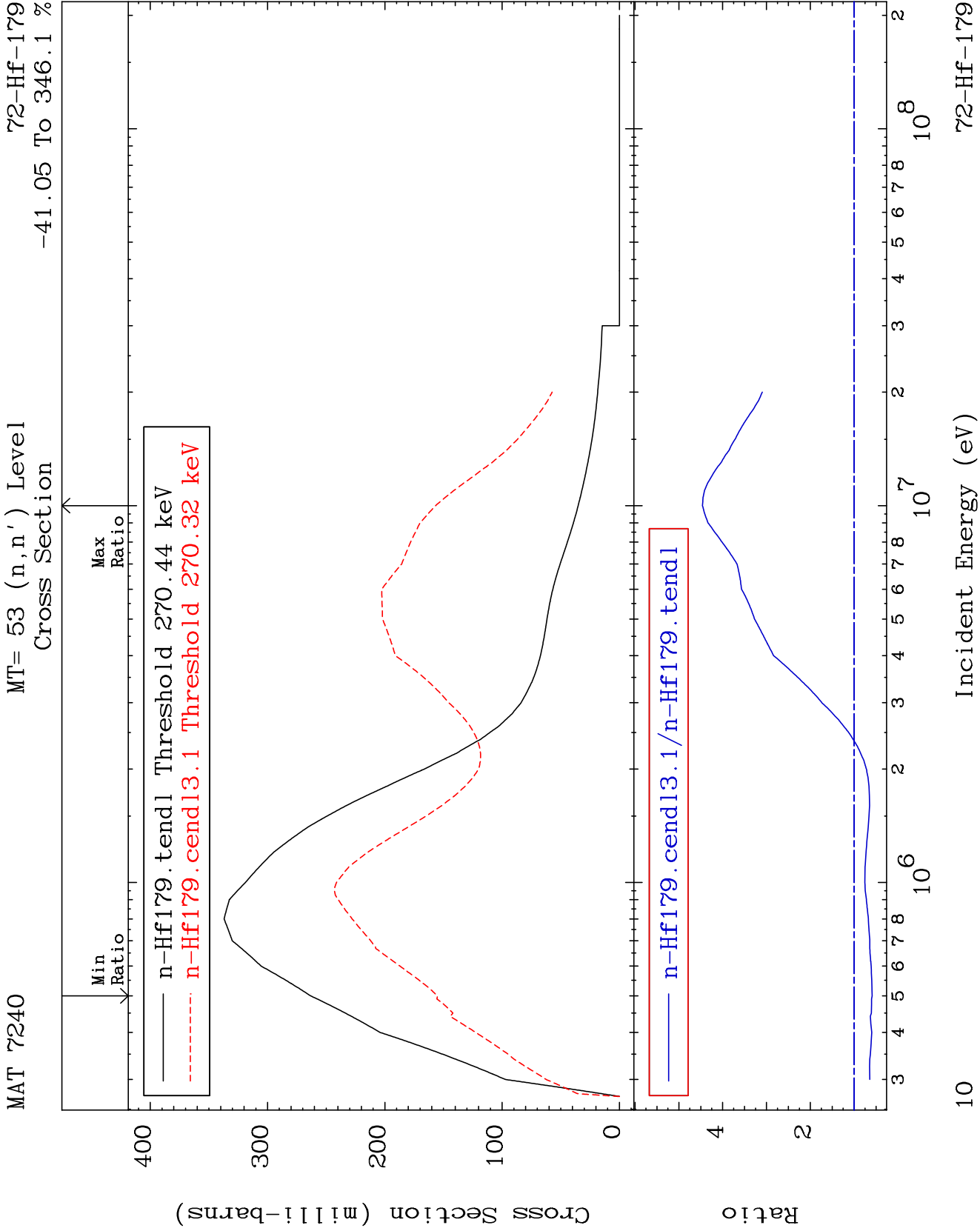
MT= 51 (n,n') Level

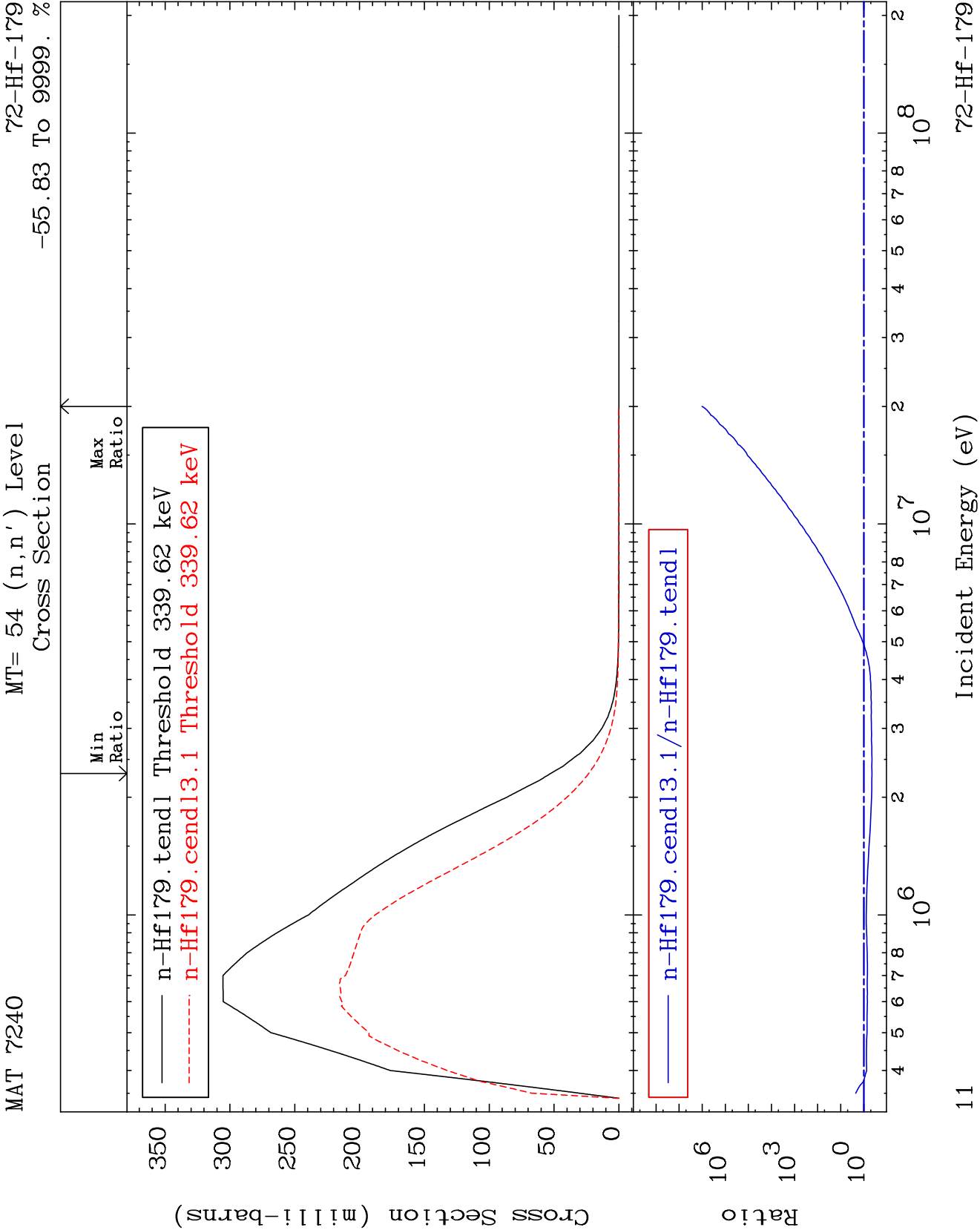
⁷²Hf-¹⁷⁹

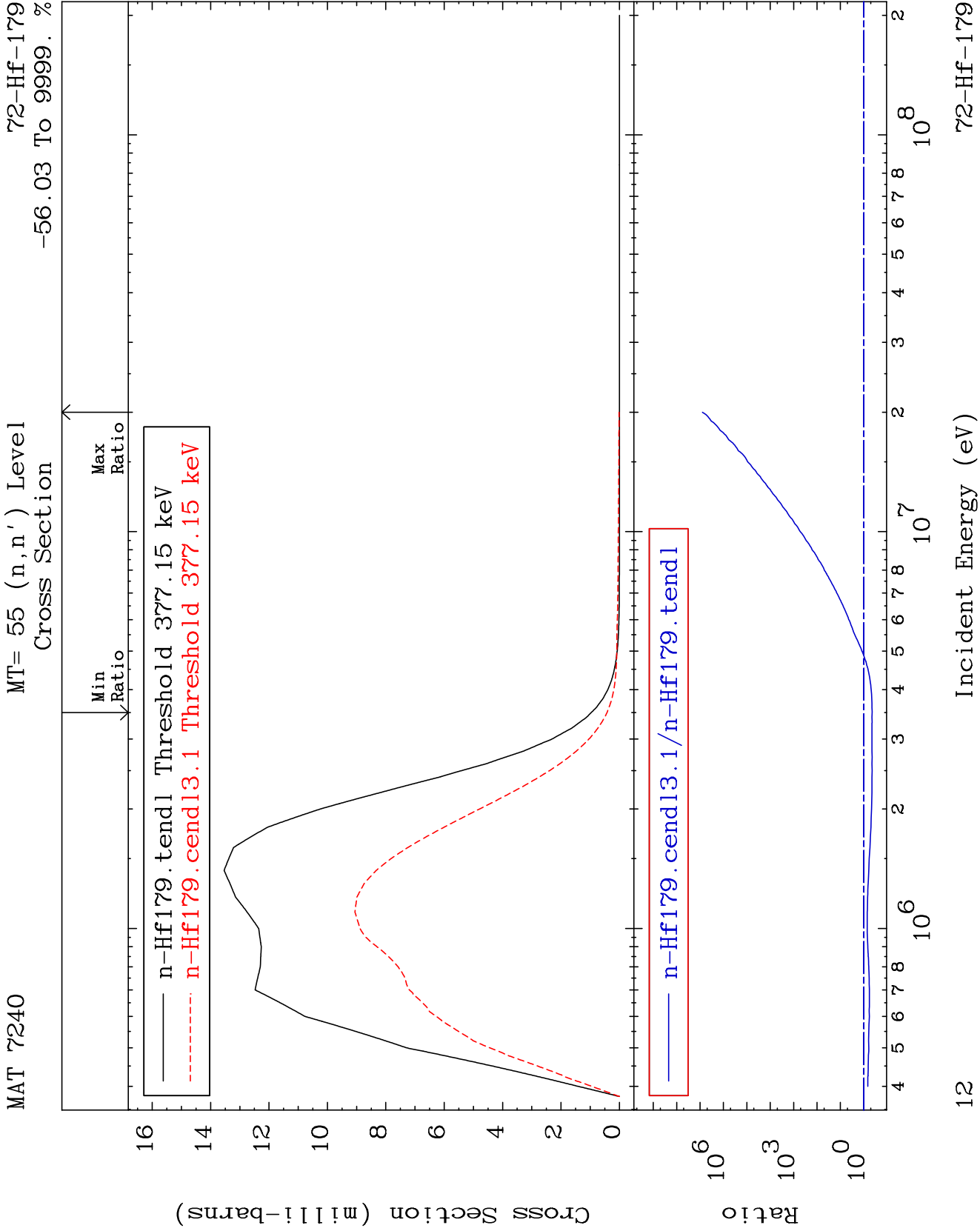
-57.97 To 47.62 %

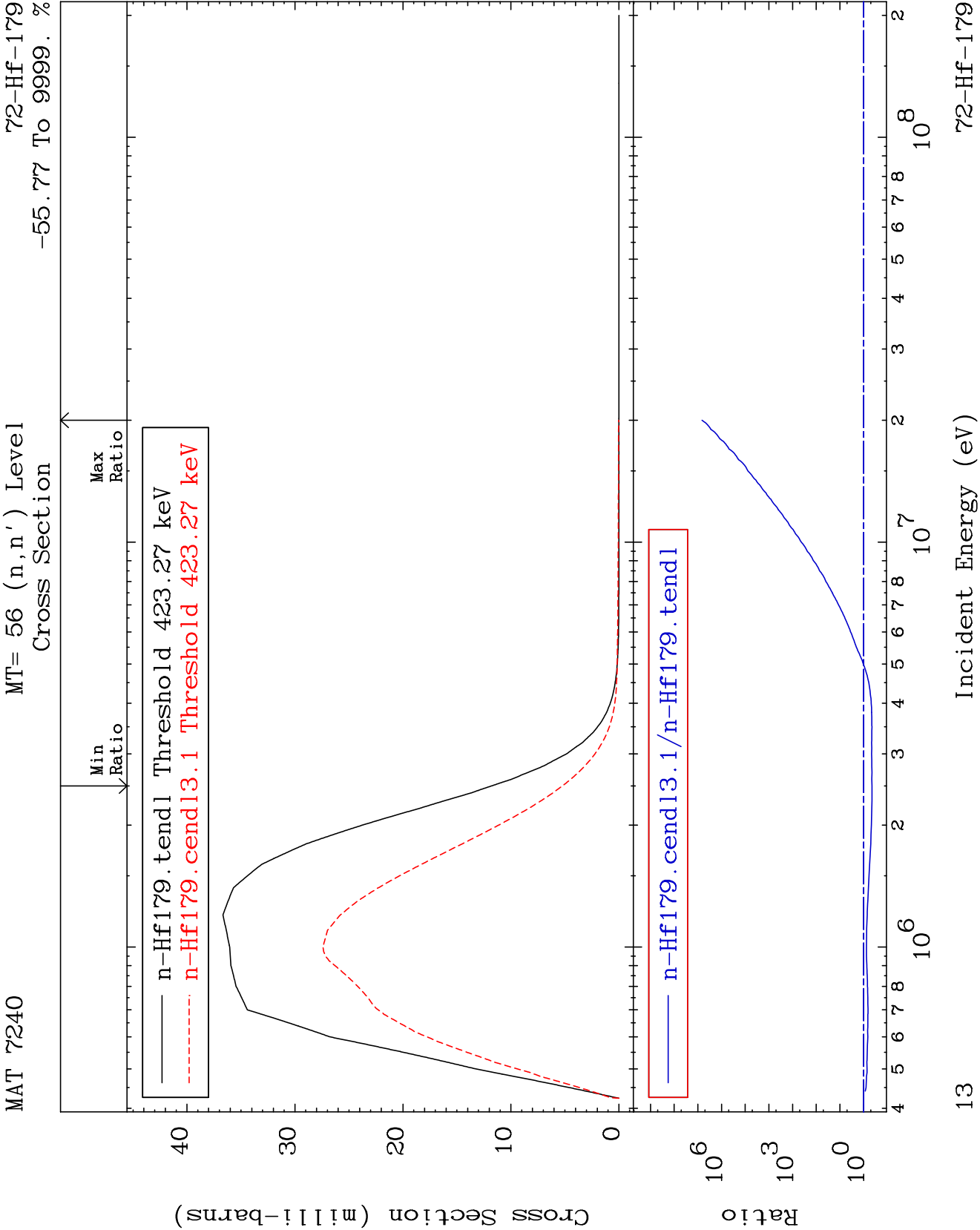
Cross Section

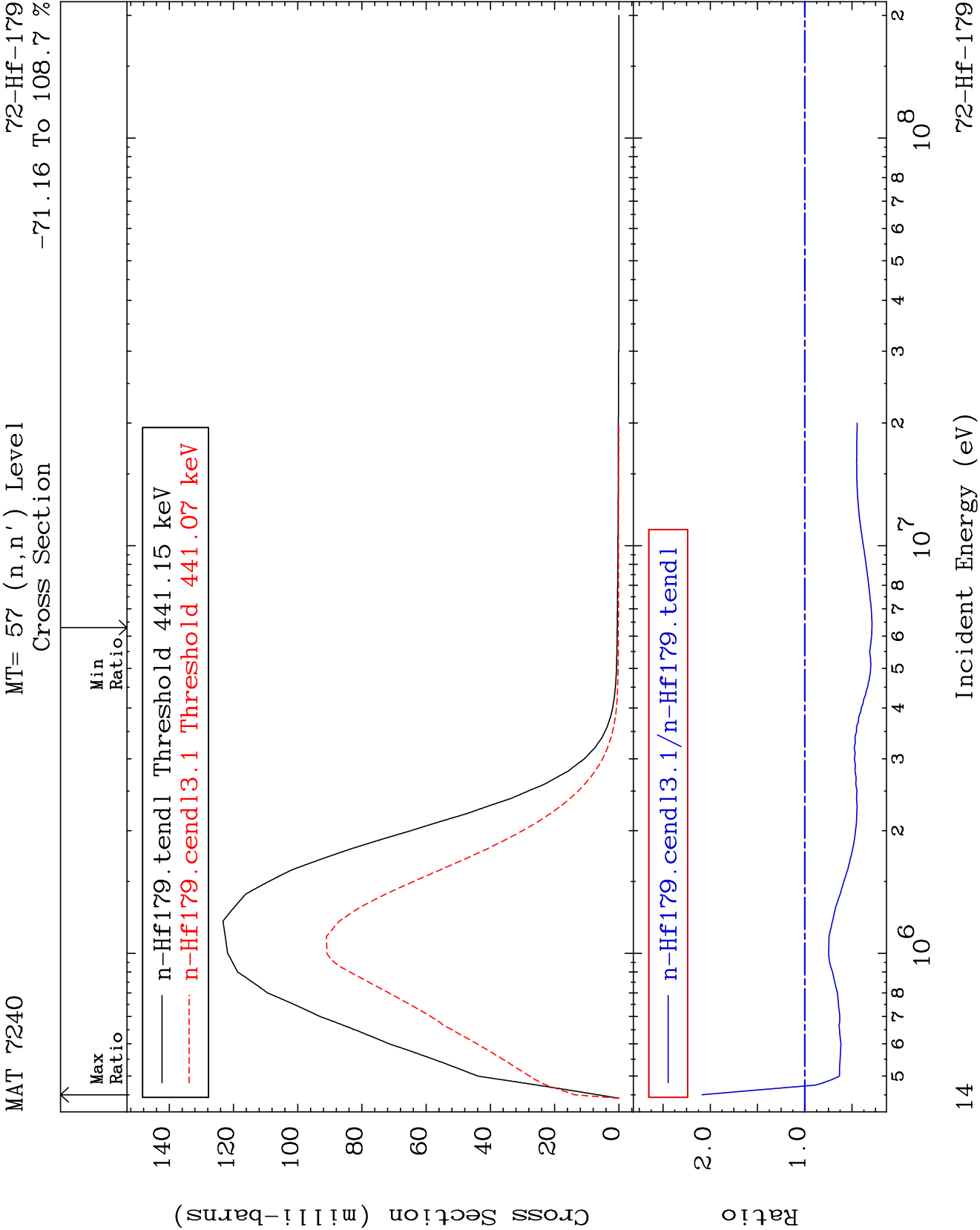


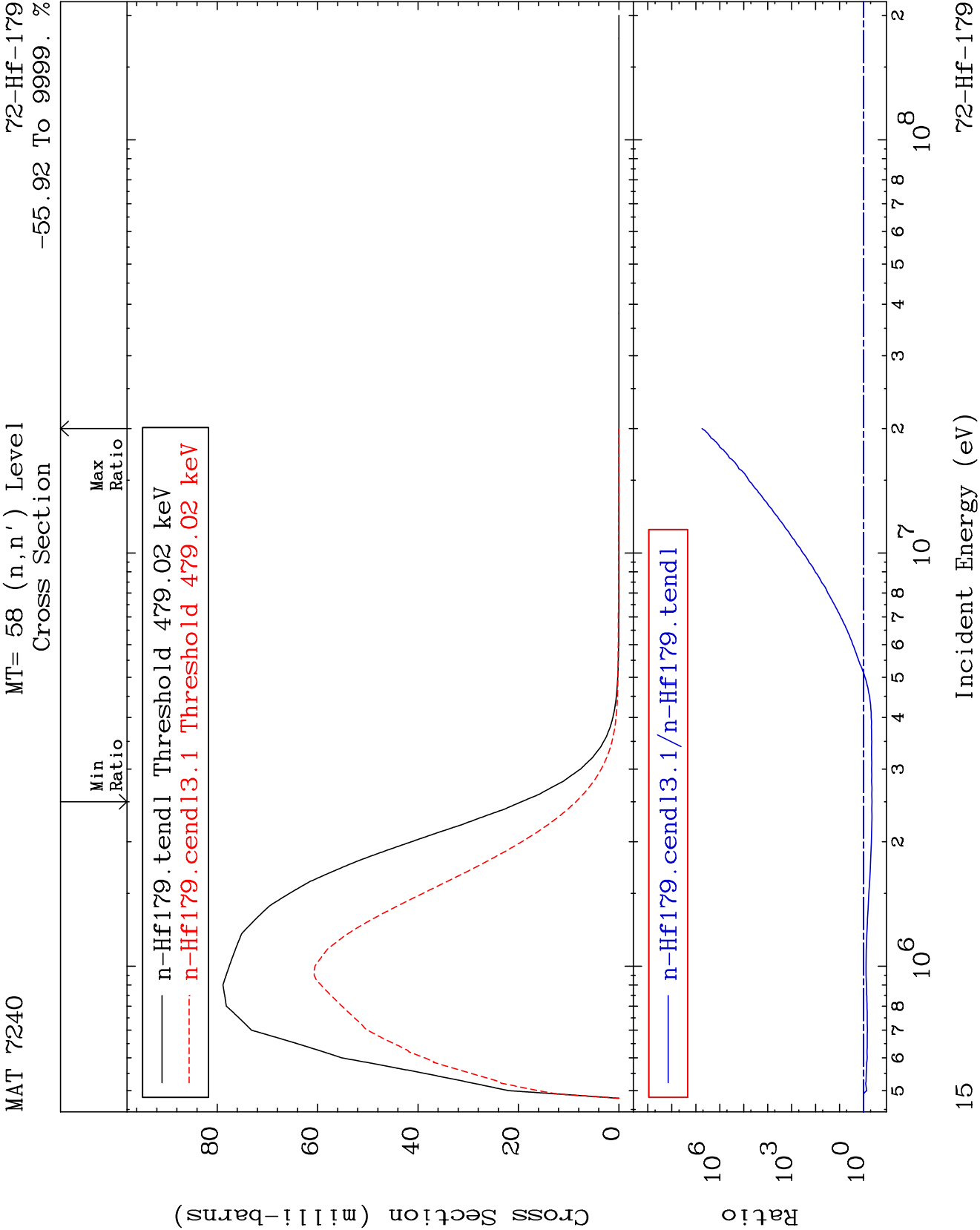


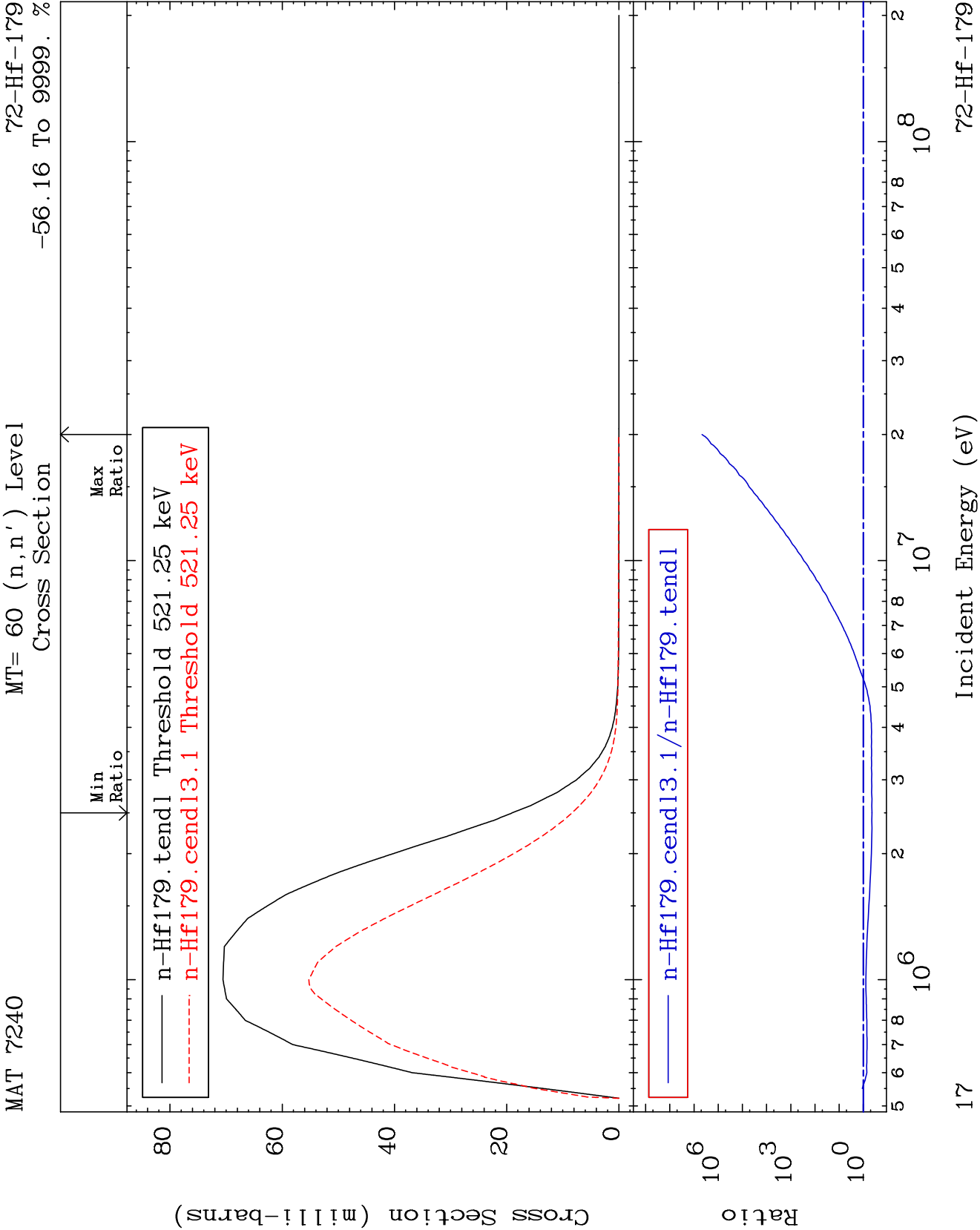


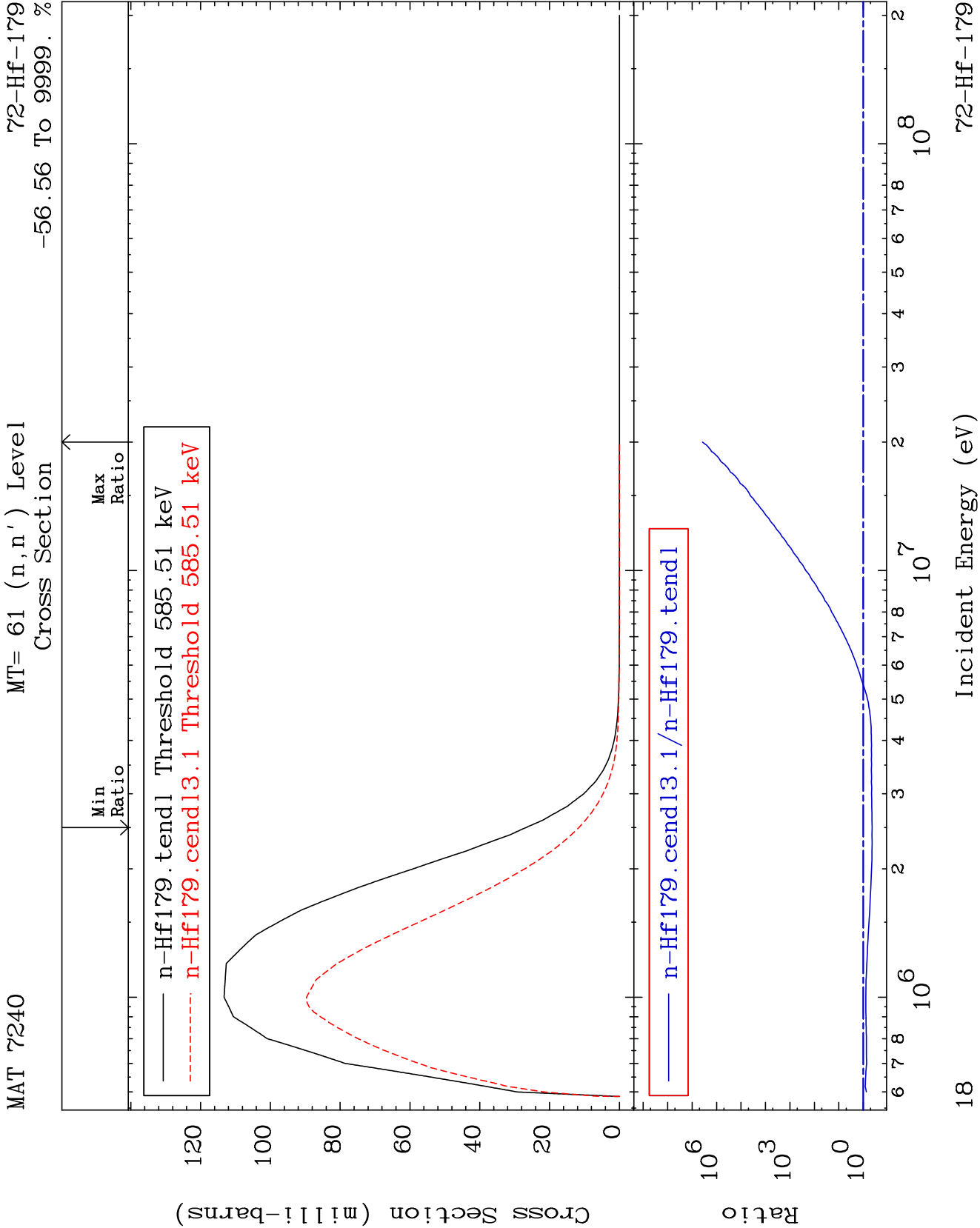


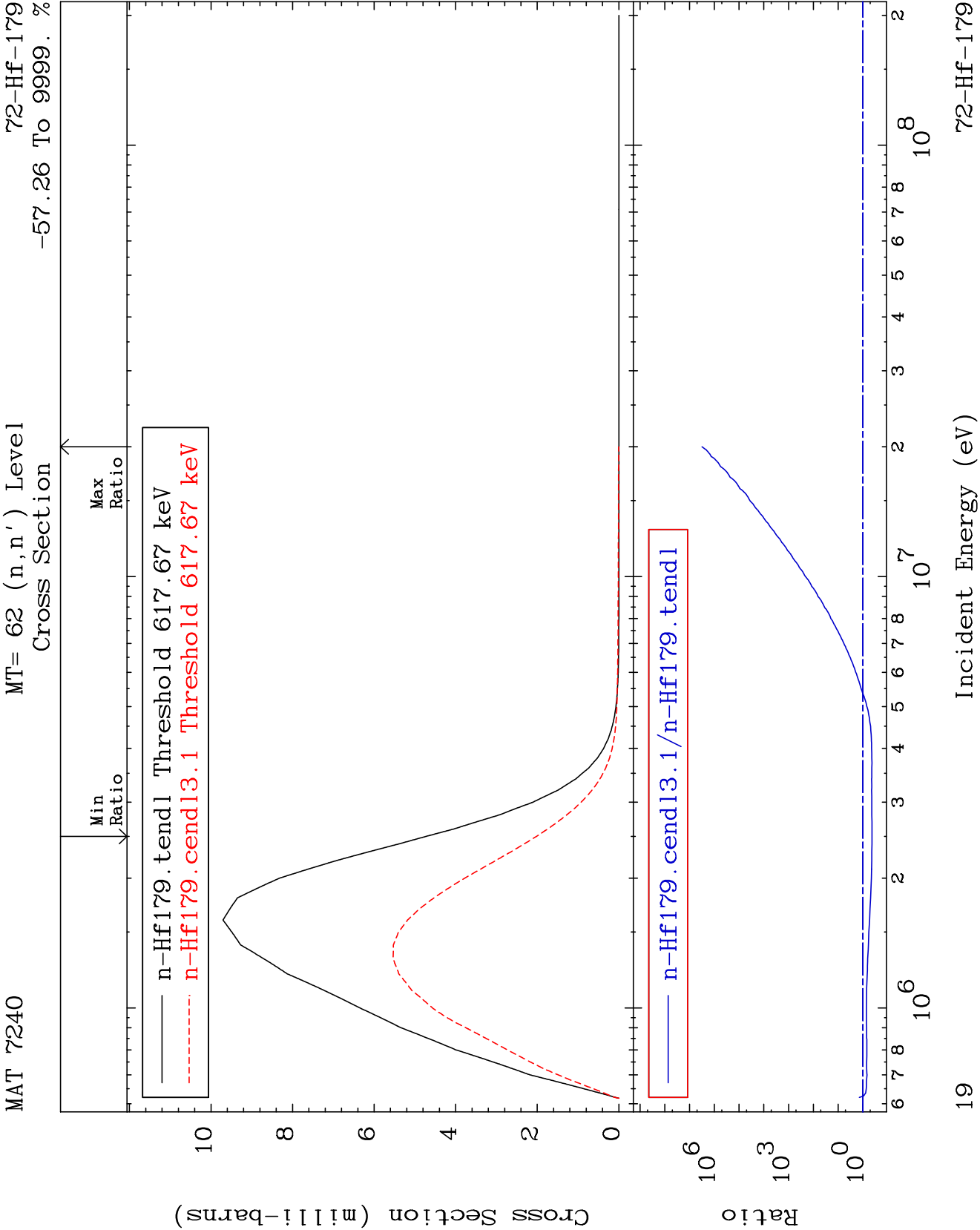


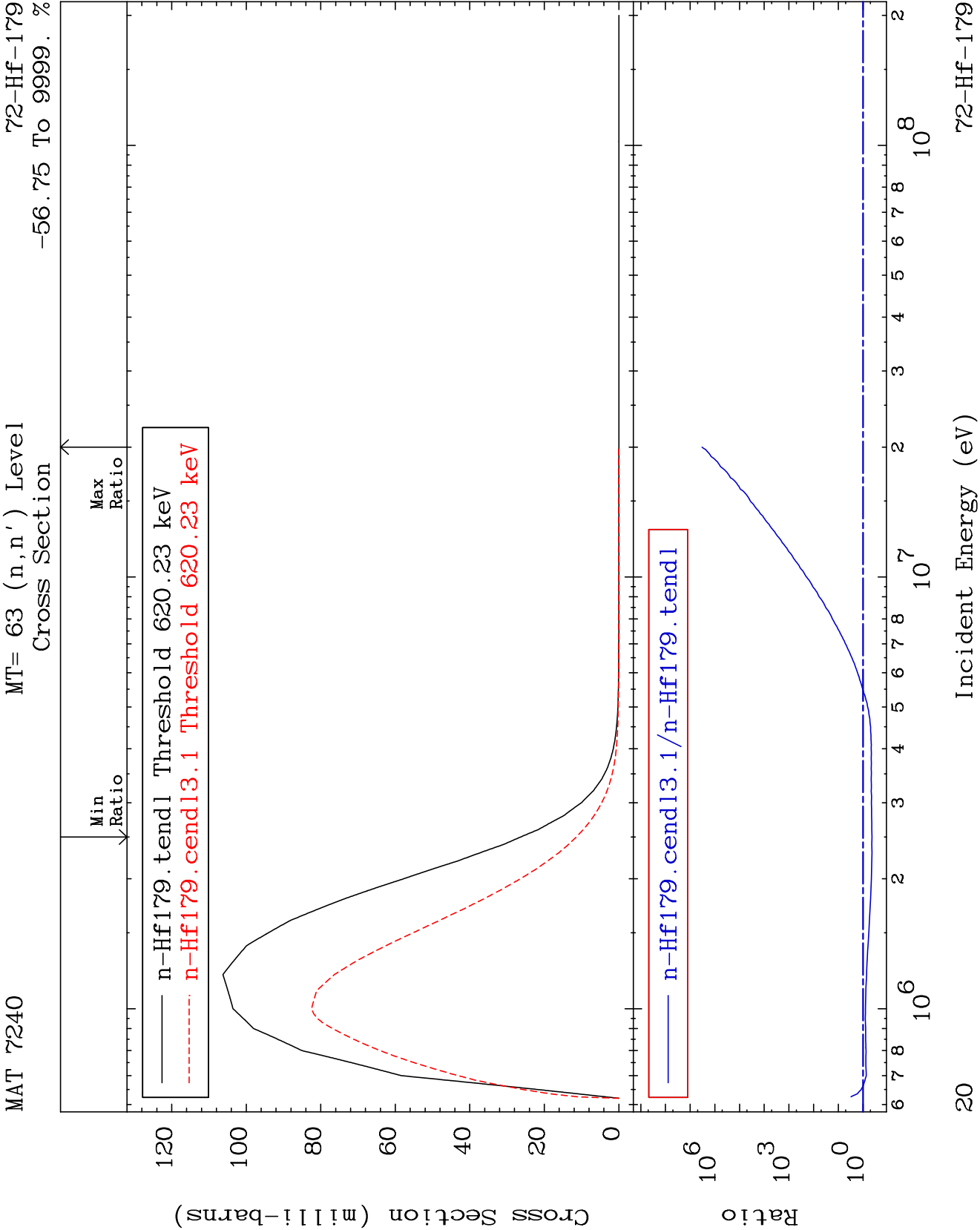


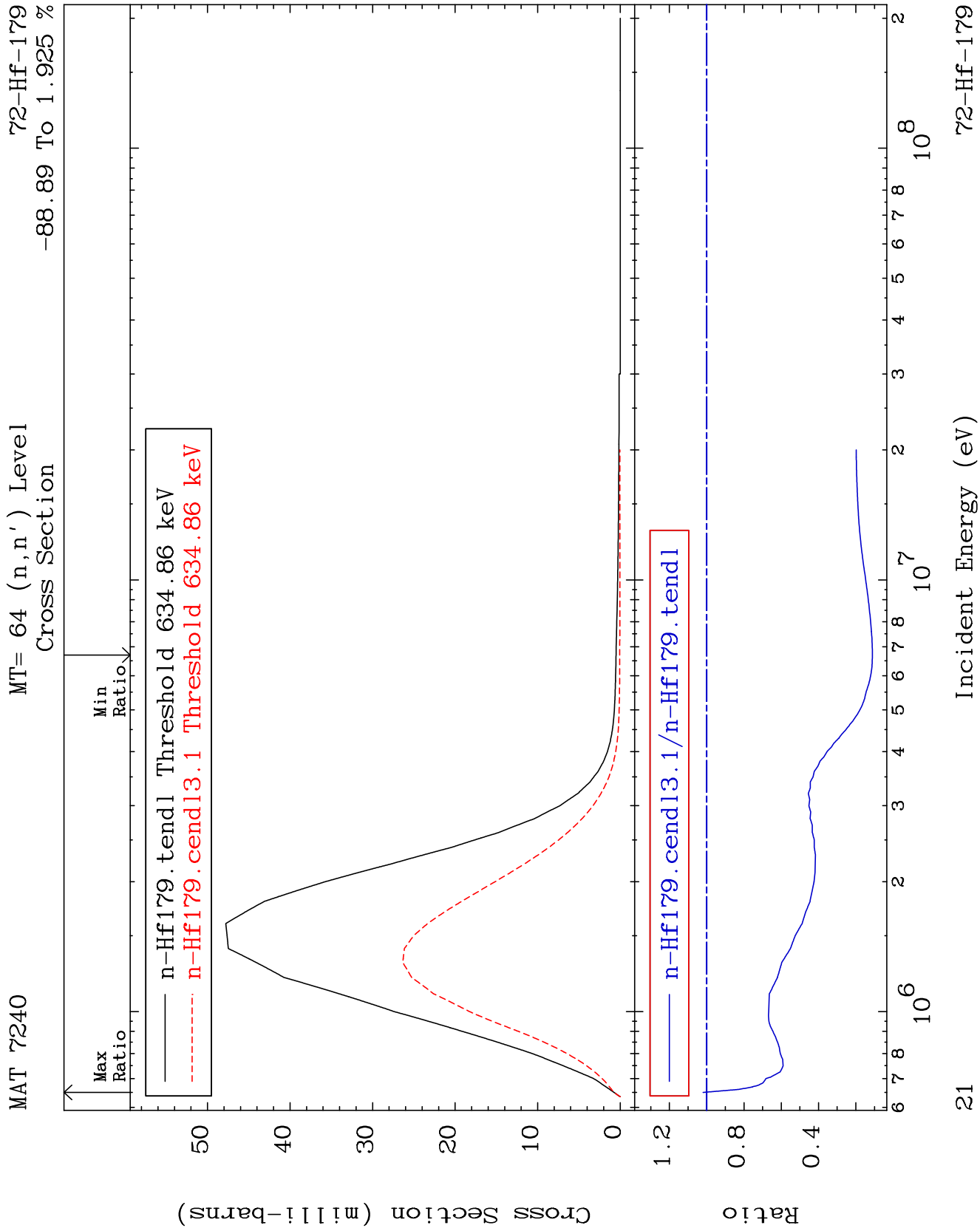


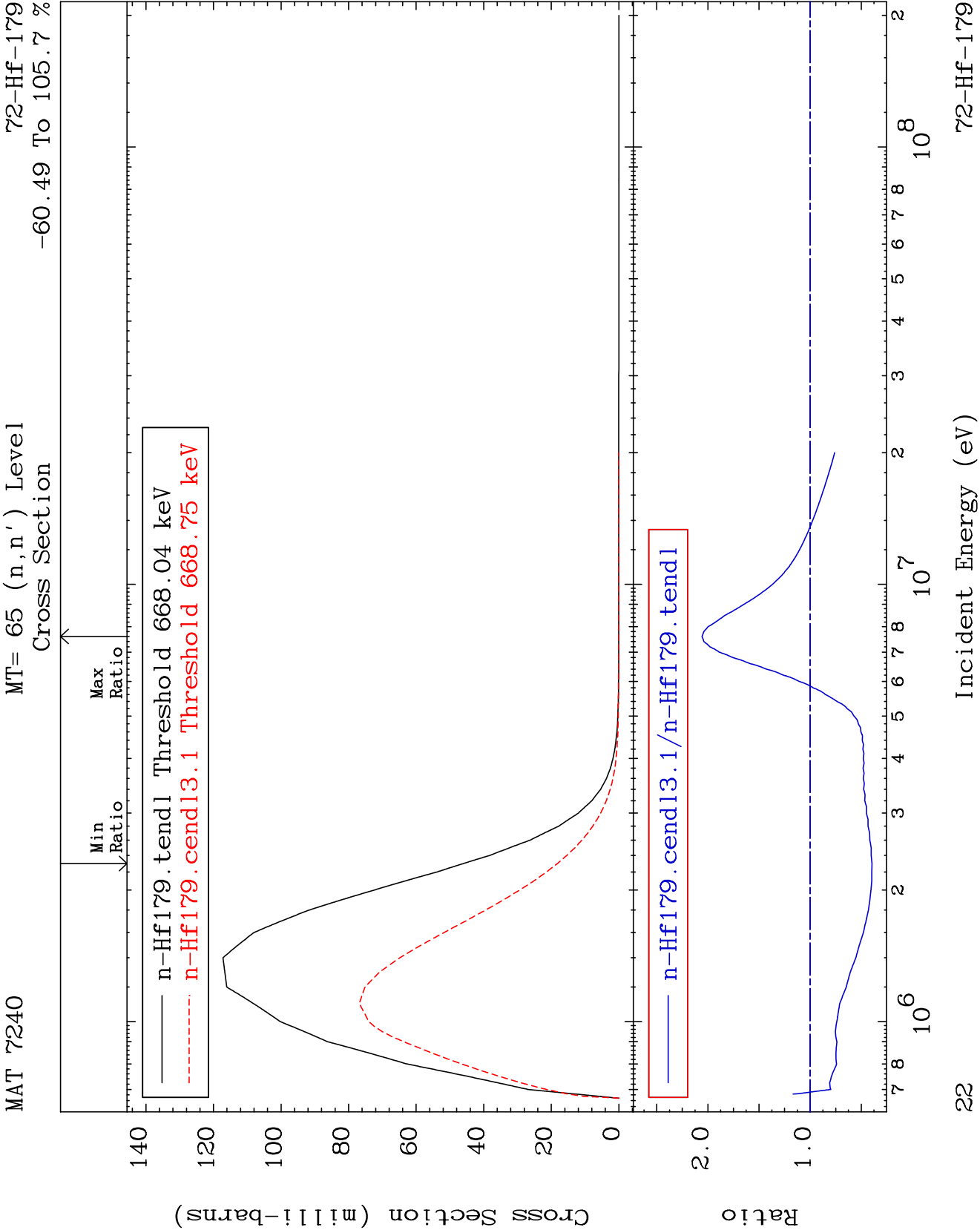








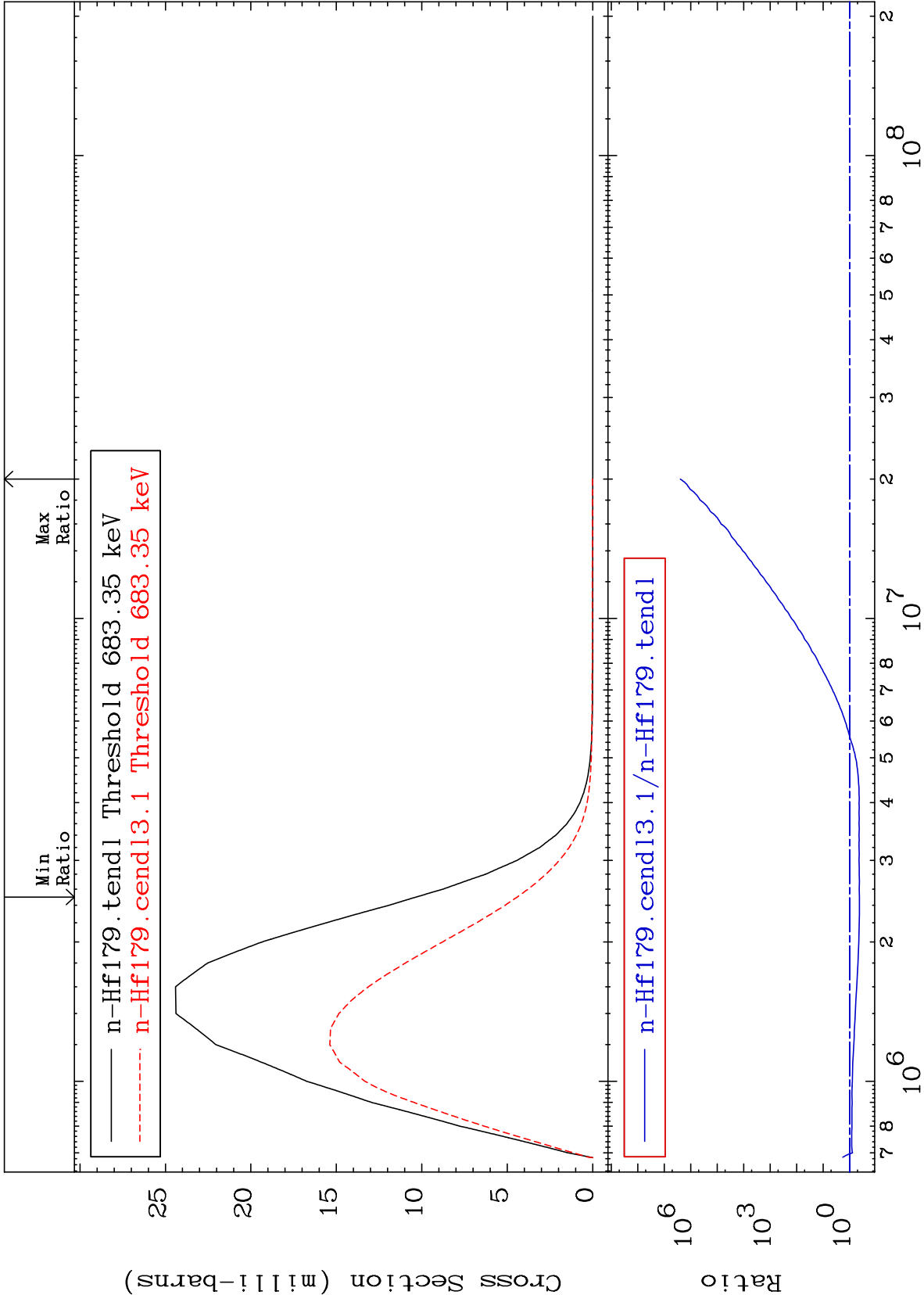


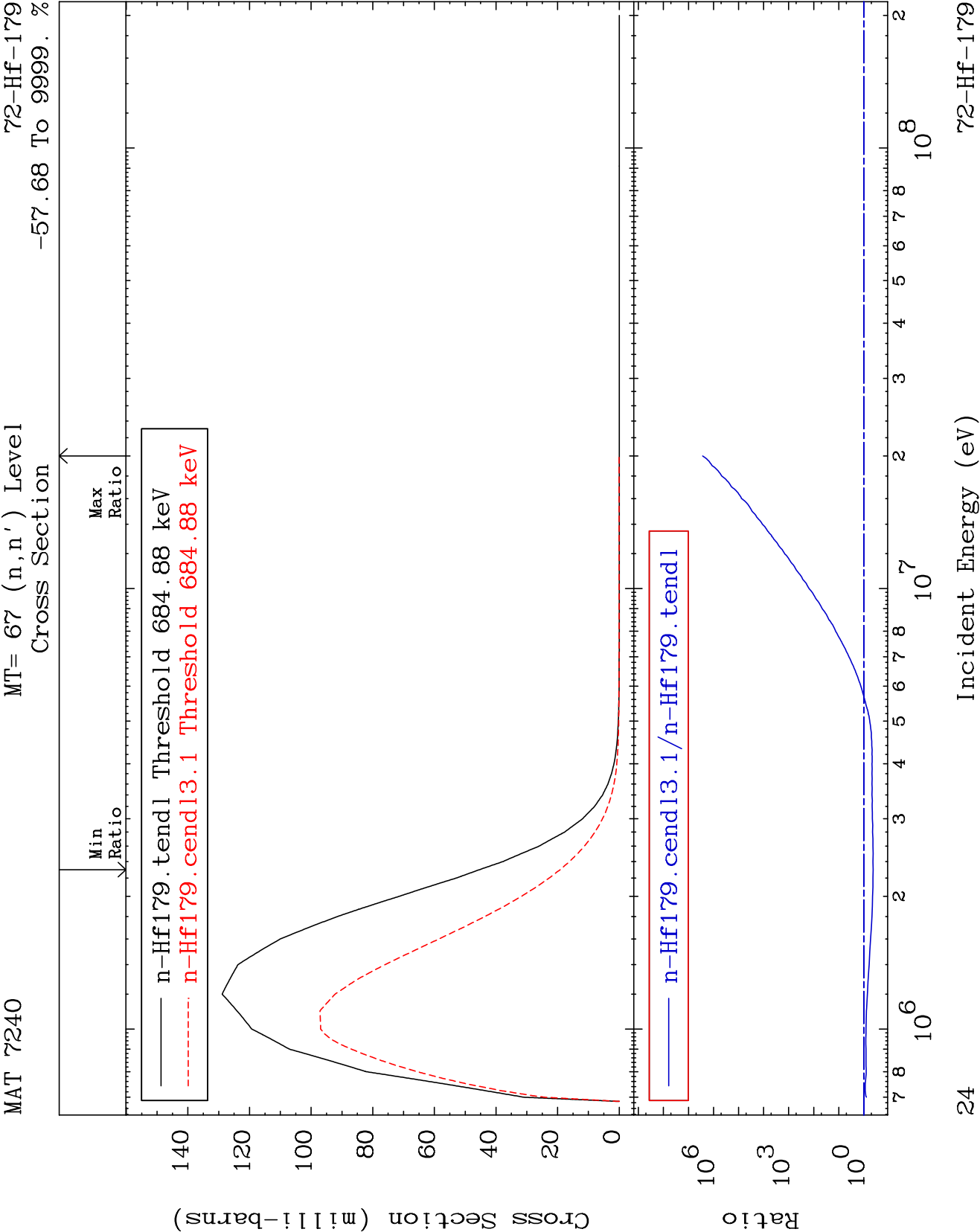


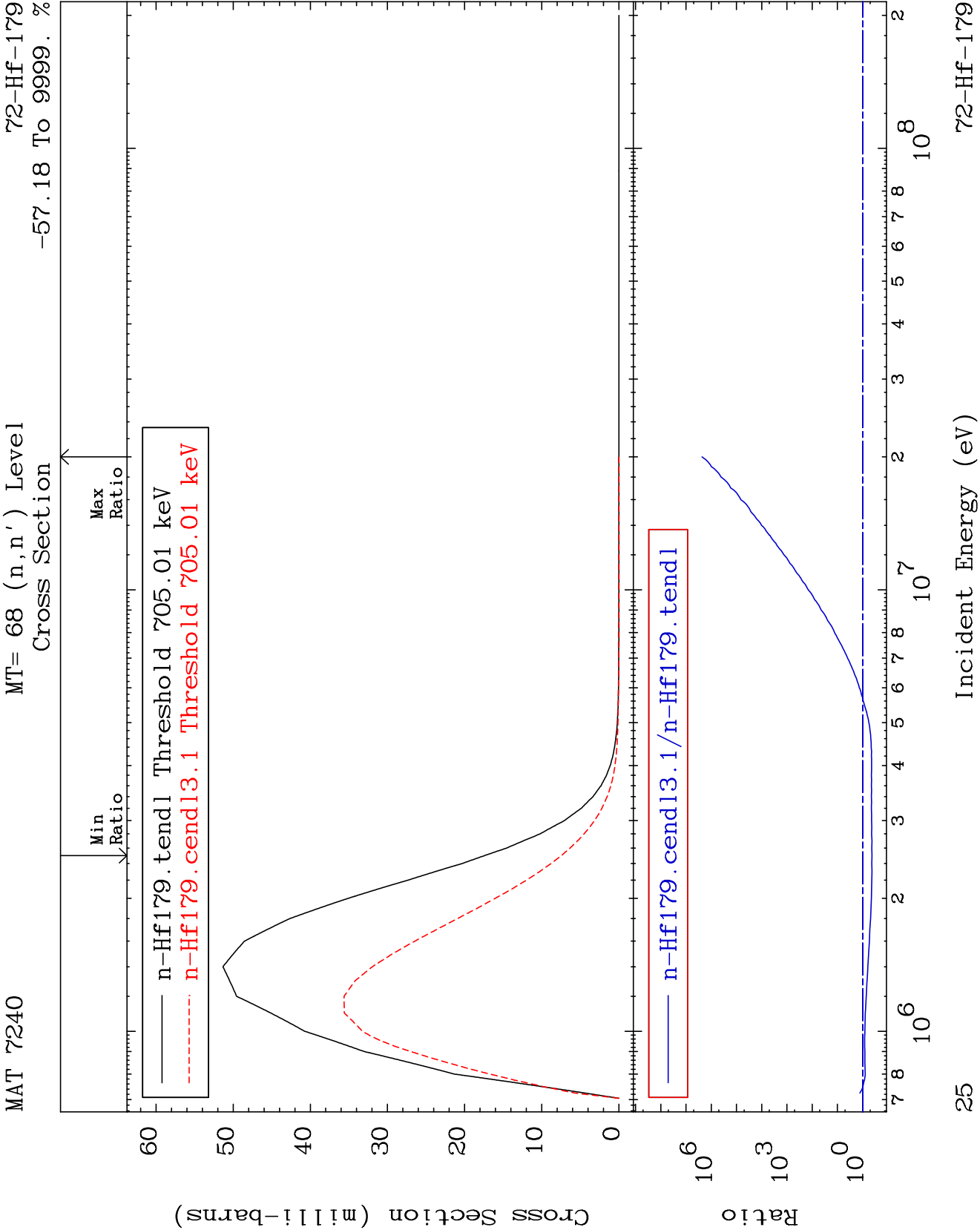
MAT 7240

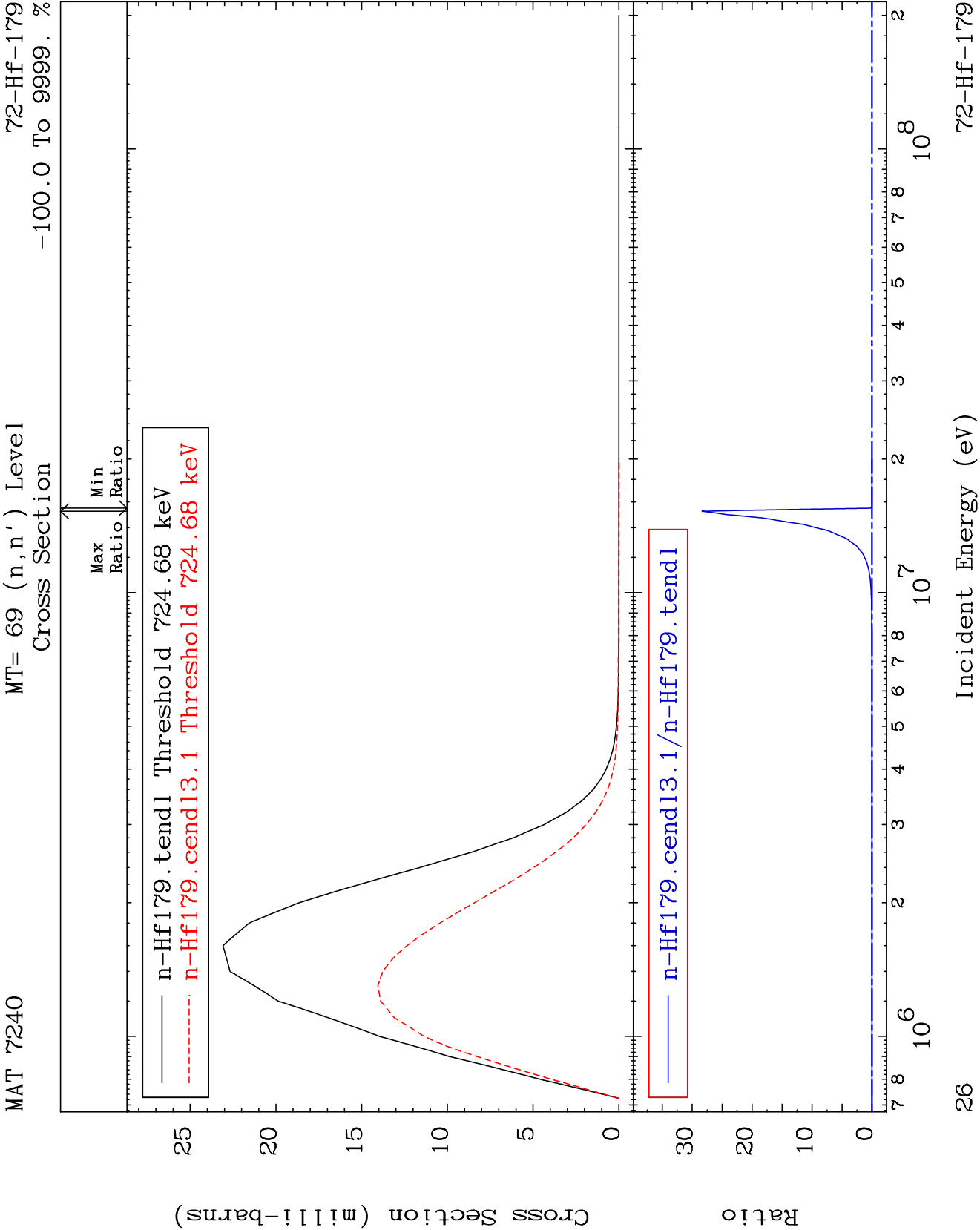
MT= 66 (n,n') Level
Cross Section

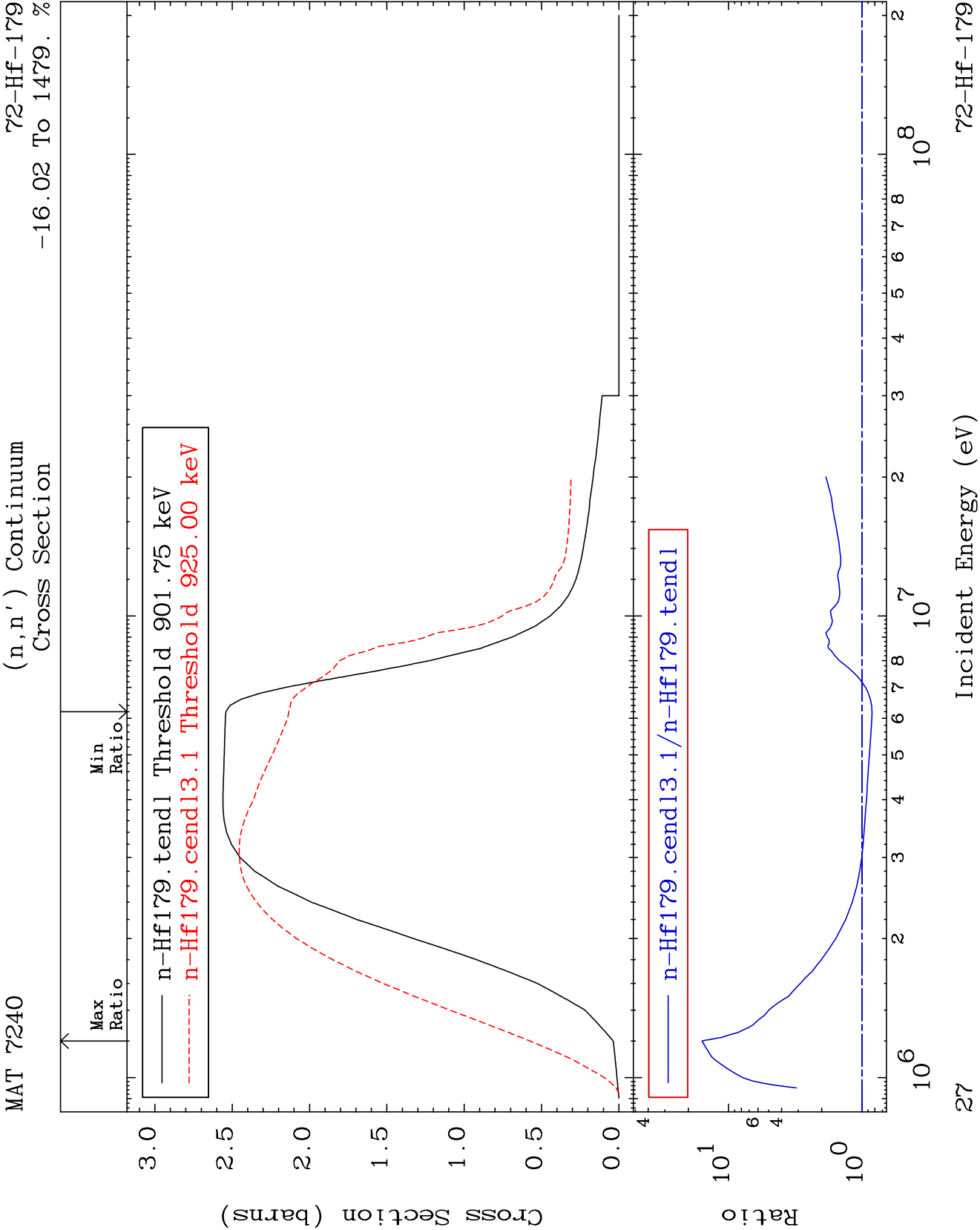
⁷²Hf-179
-57.30 To 9999. %











MAT 7240

⁷²Hf-179

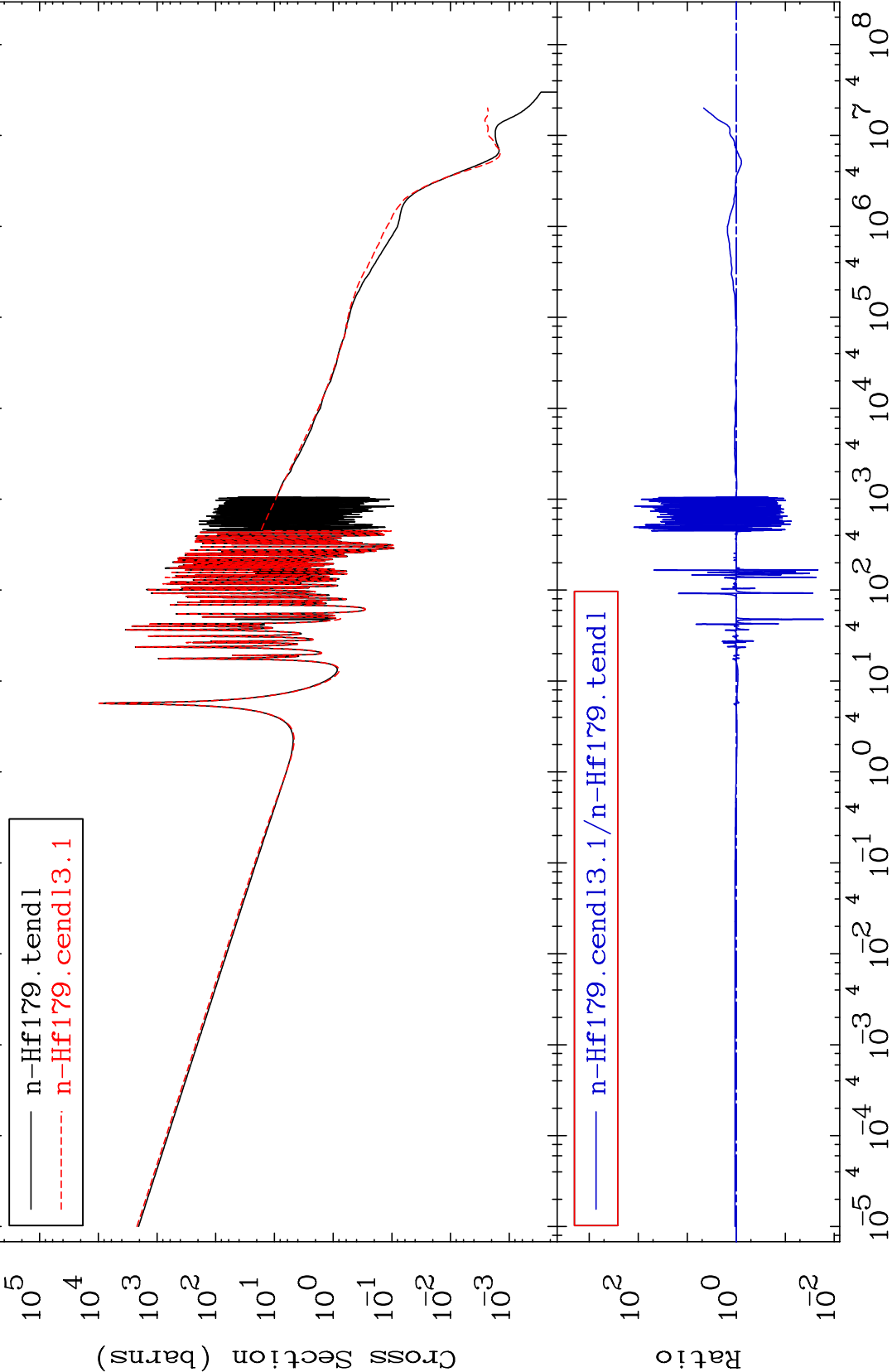
-98.35 To 9999. %

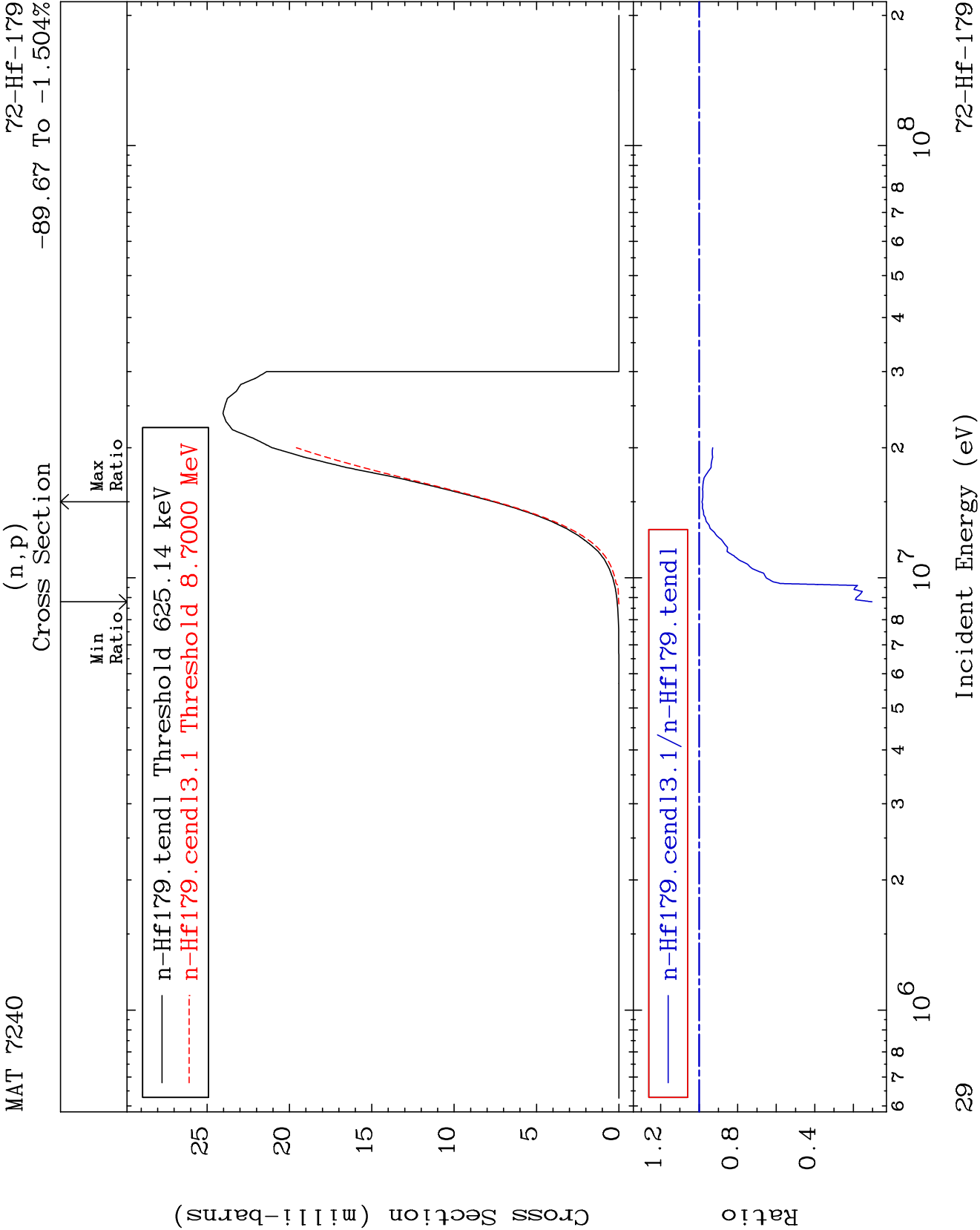
(n, γ)

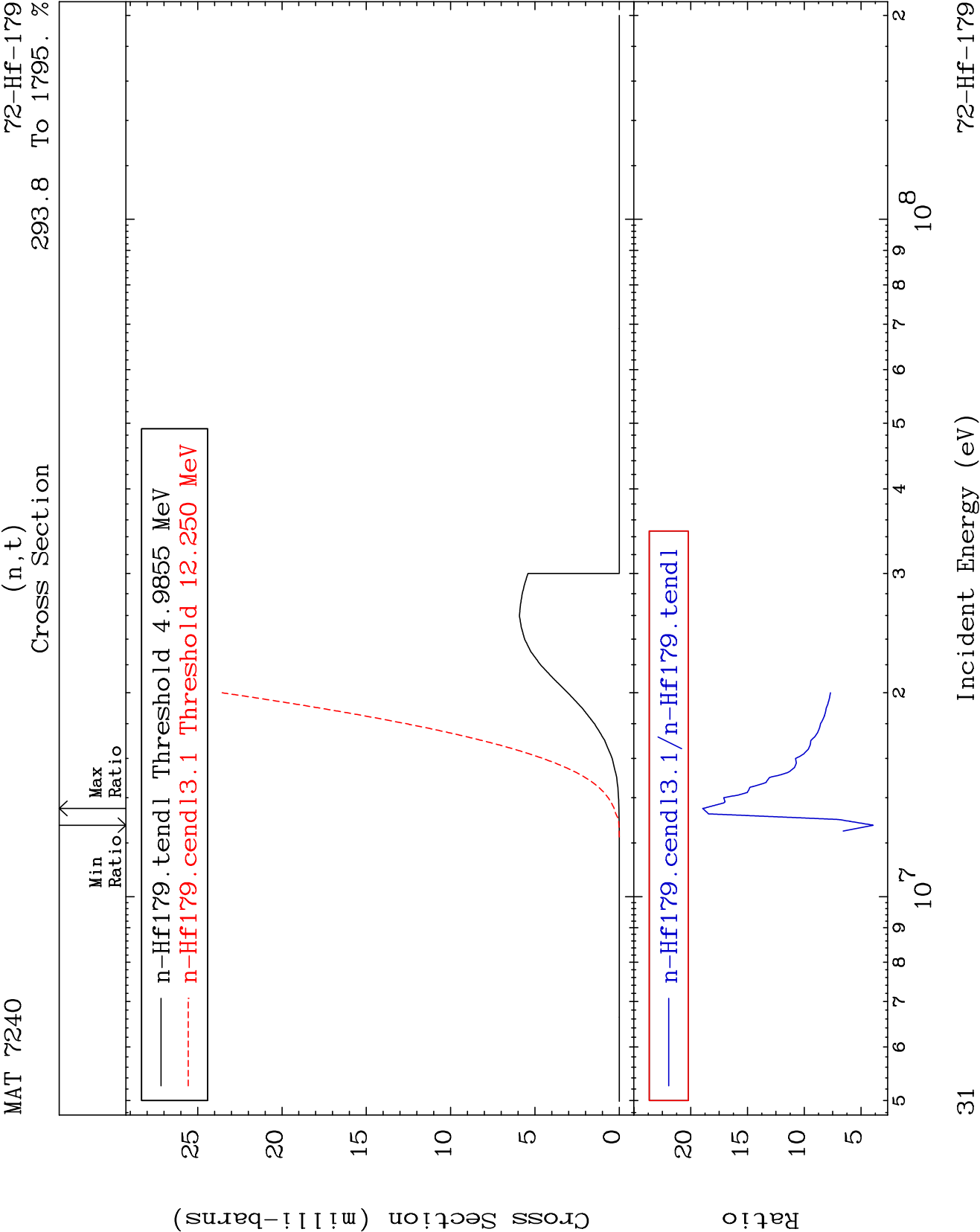
Cross Section

Min Ratio

Max Ratio



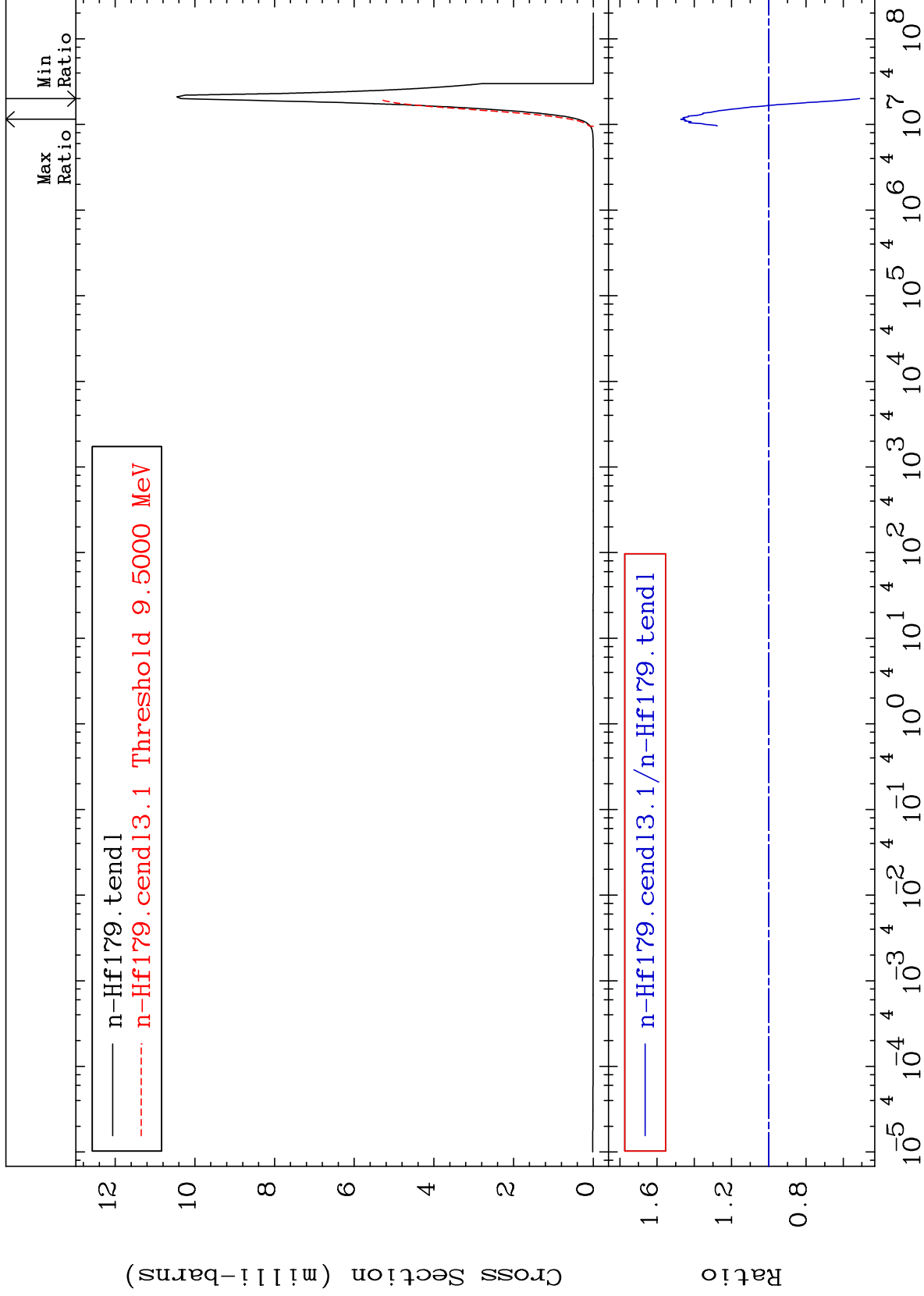




MAT 7240

(n, α)
Cross Section

72-Hf-179
-48.72 To 47.29 %

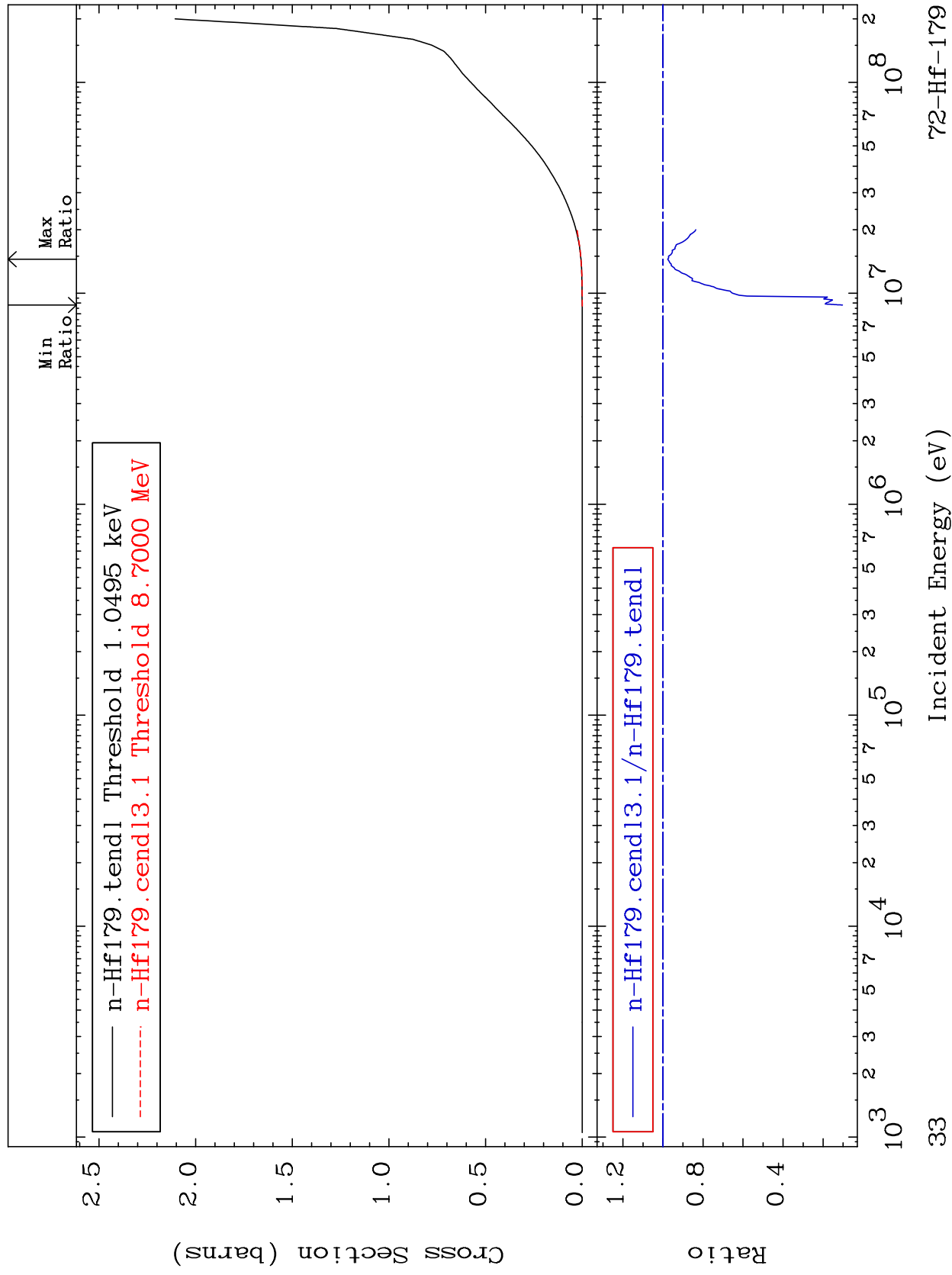


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Incident Energy (eV)

72-Hf-179

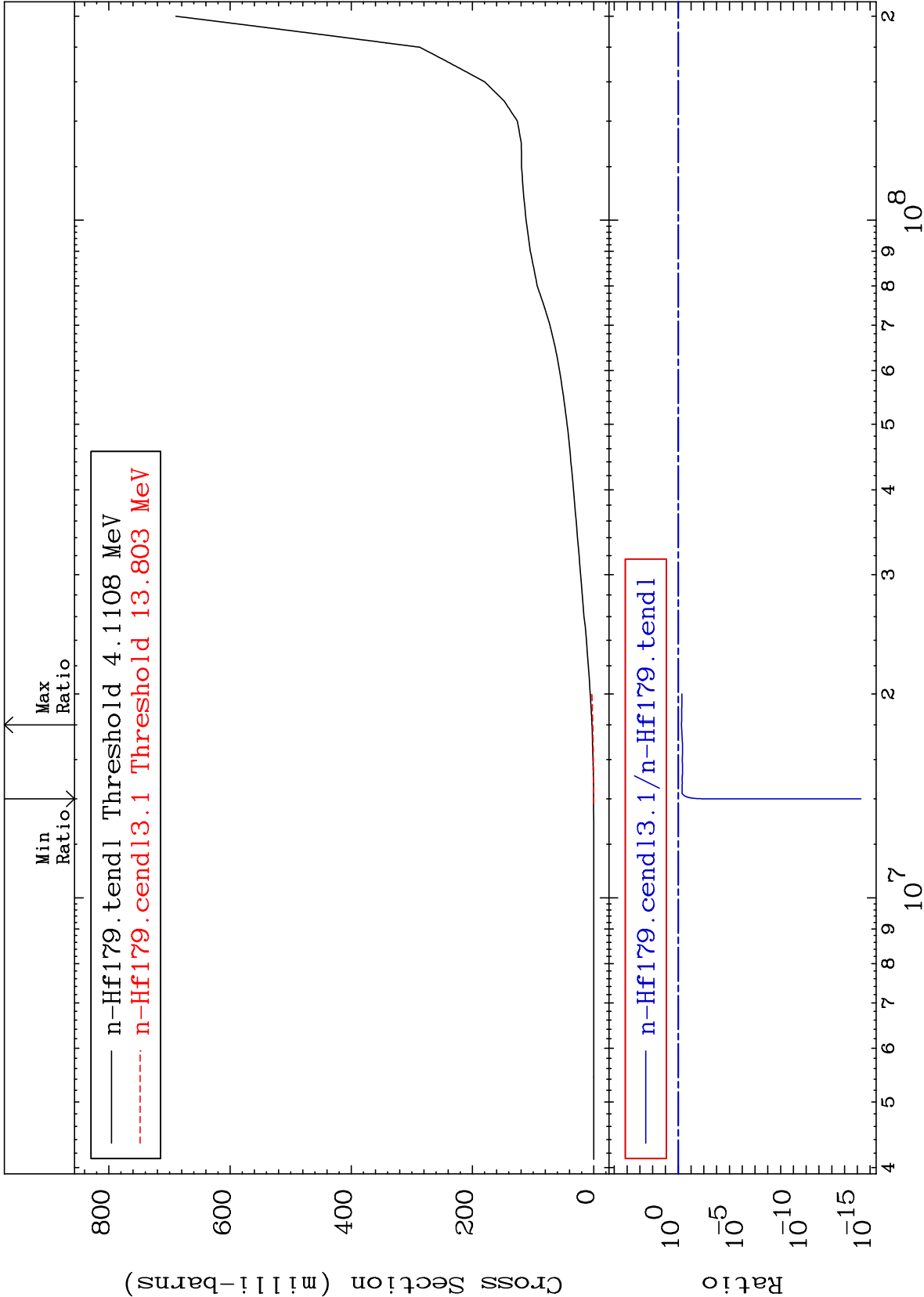
72-Hf-179
-89.67 To -2.371%

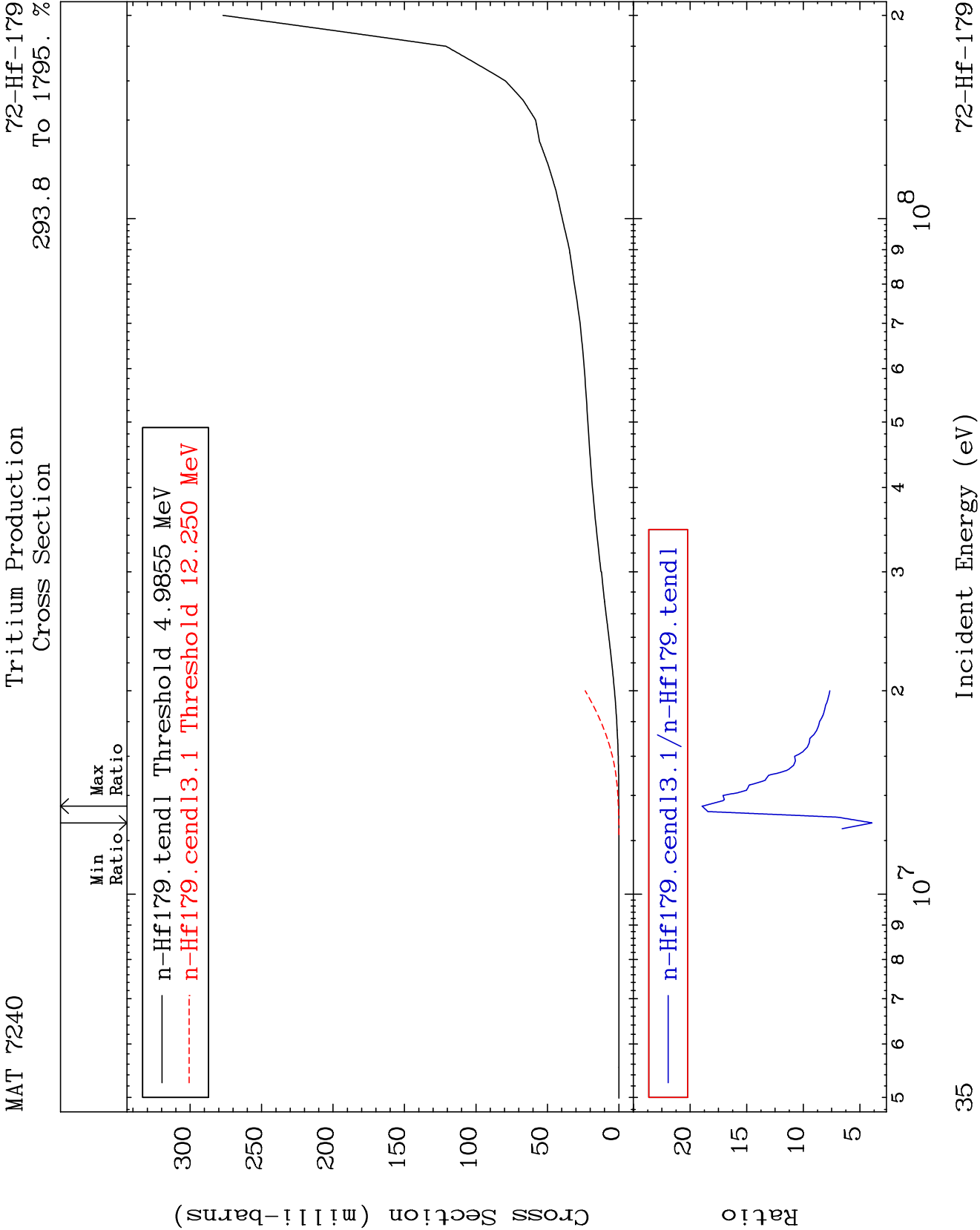


MAT 7240

Deuterium Production
Cross Section

$^{72}\text{Hf-179}$
-100.0 To -44.15%

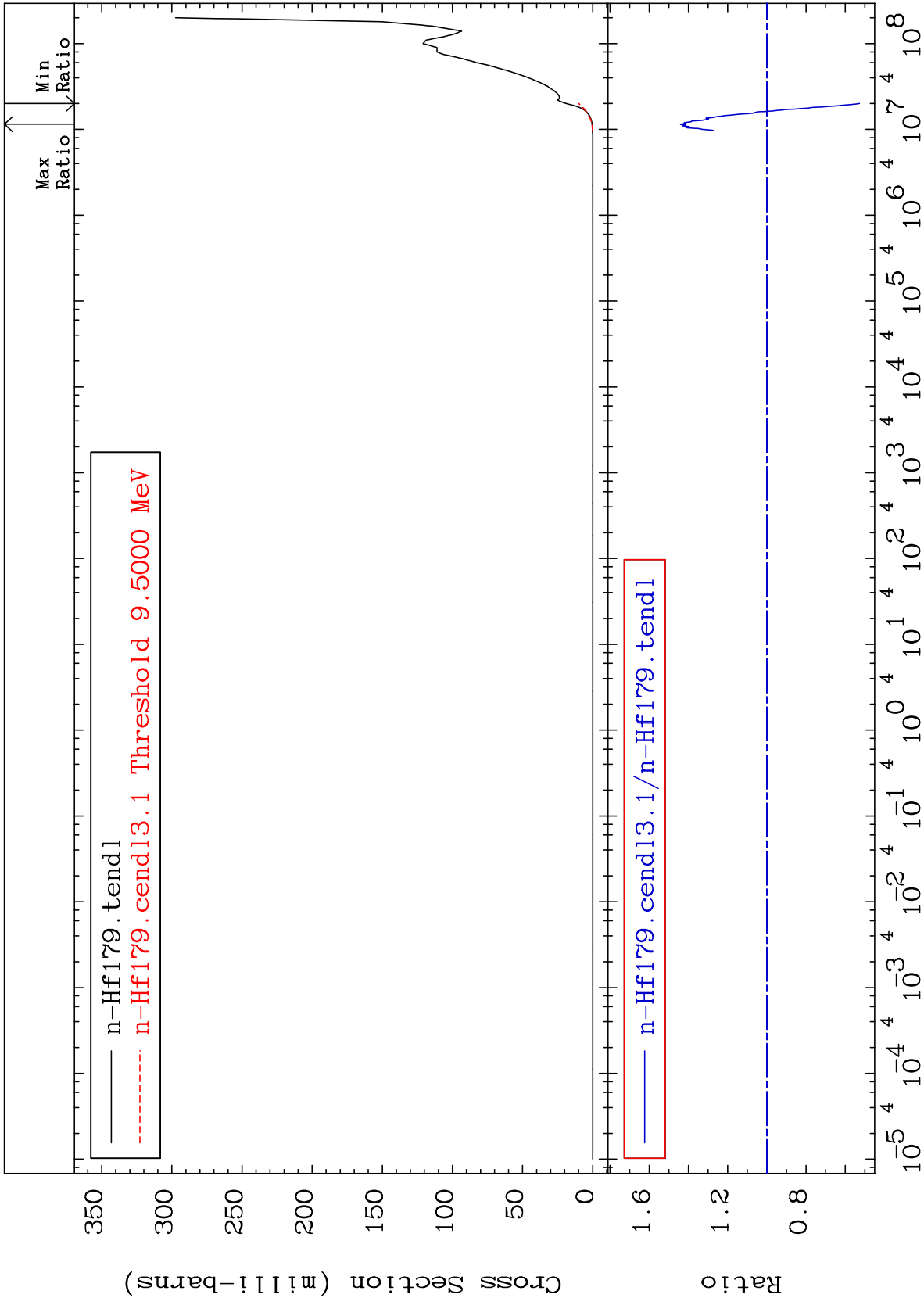




MAT 7240

He-4 Production
Cross Section

72-Hf-179
-47.24 To 44.16 %



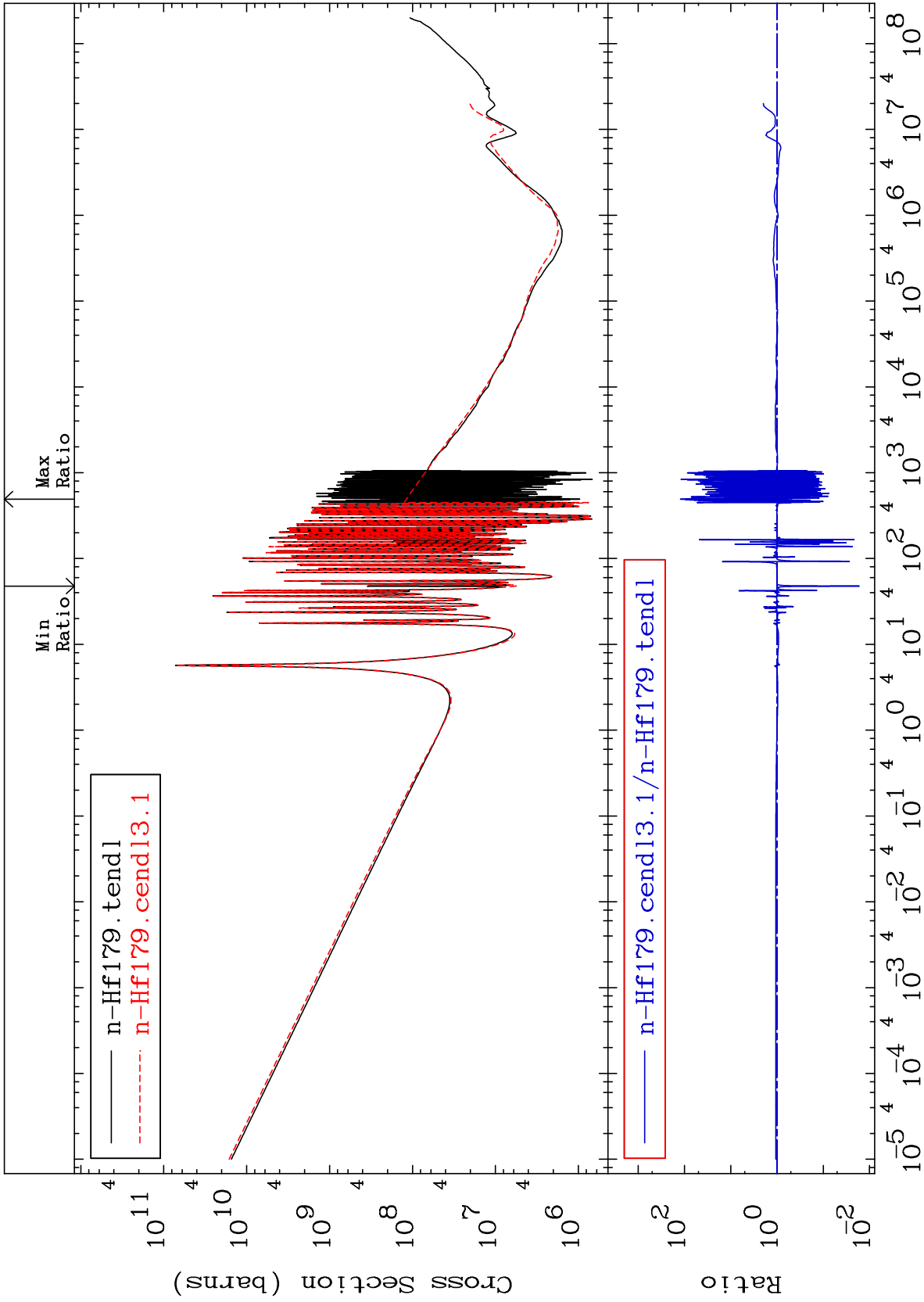
MAT 7240

Kerma total (eV-barns)

⁷²Hf-179

-98.35 To 9999. %

Cross Section



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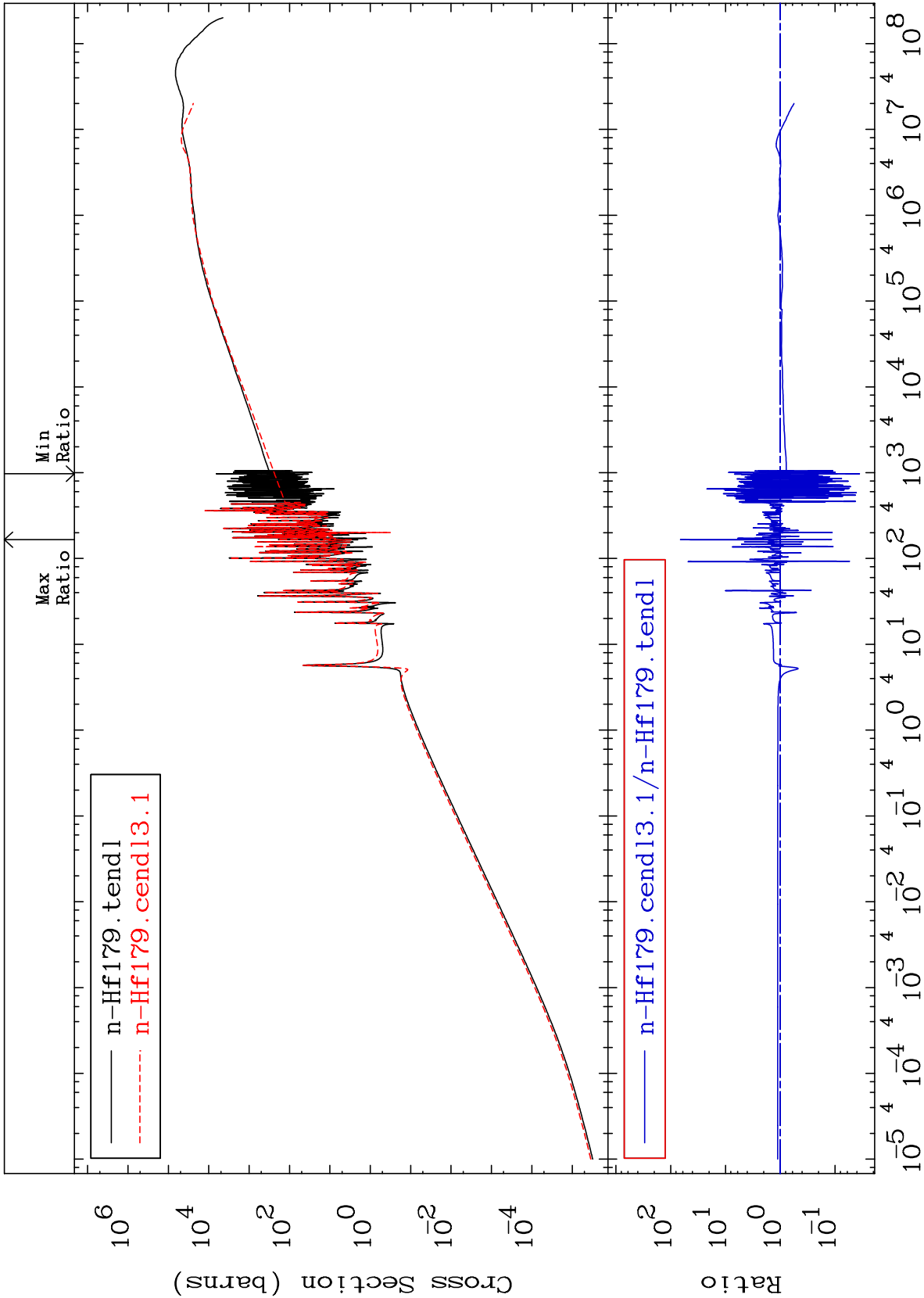
Incident Energy (eV)

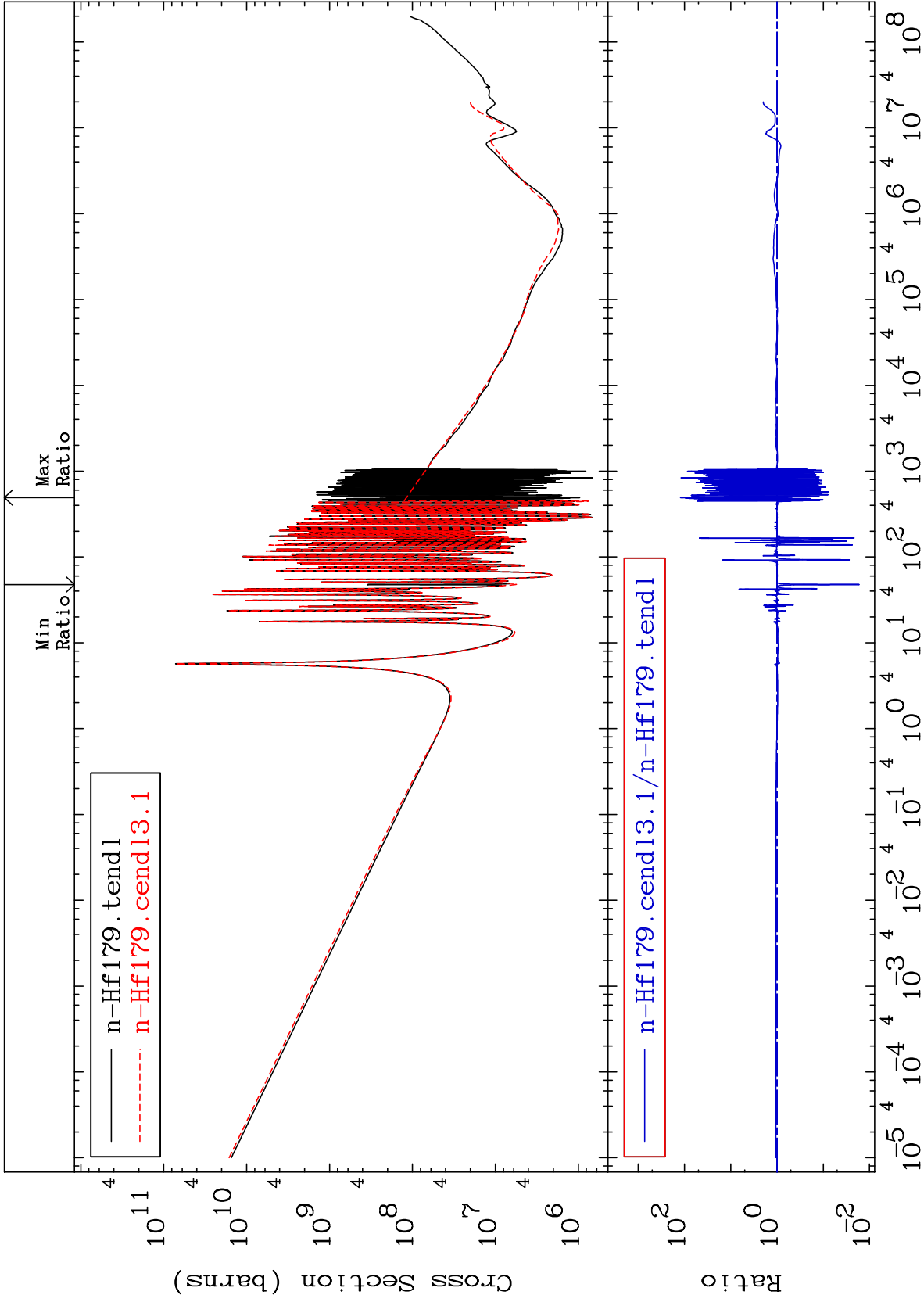
⁷²Hf-179

MAT 7240

Kerma elastic
Cross Section

⁷²Hf-¹⁷⁹
-96.41 To 6564. %





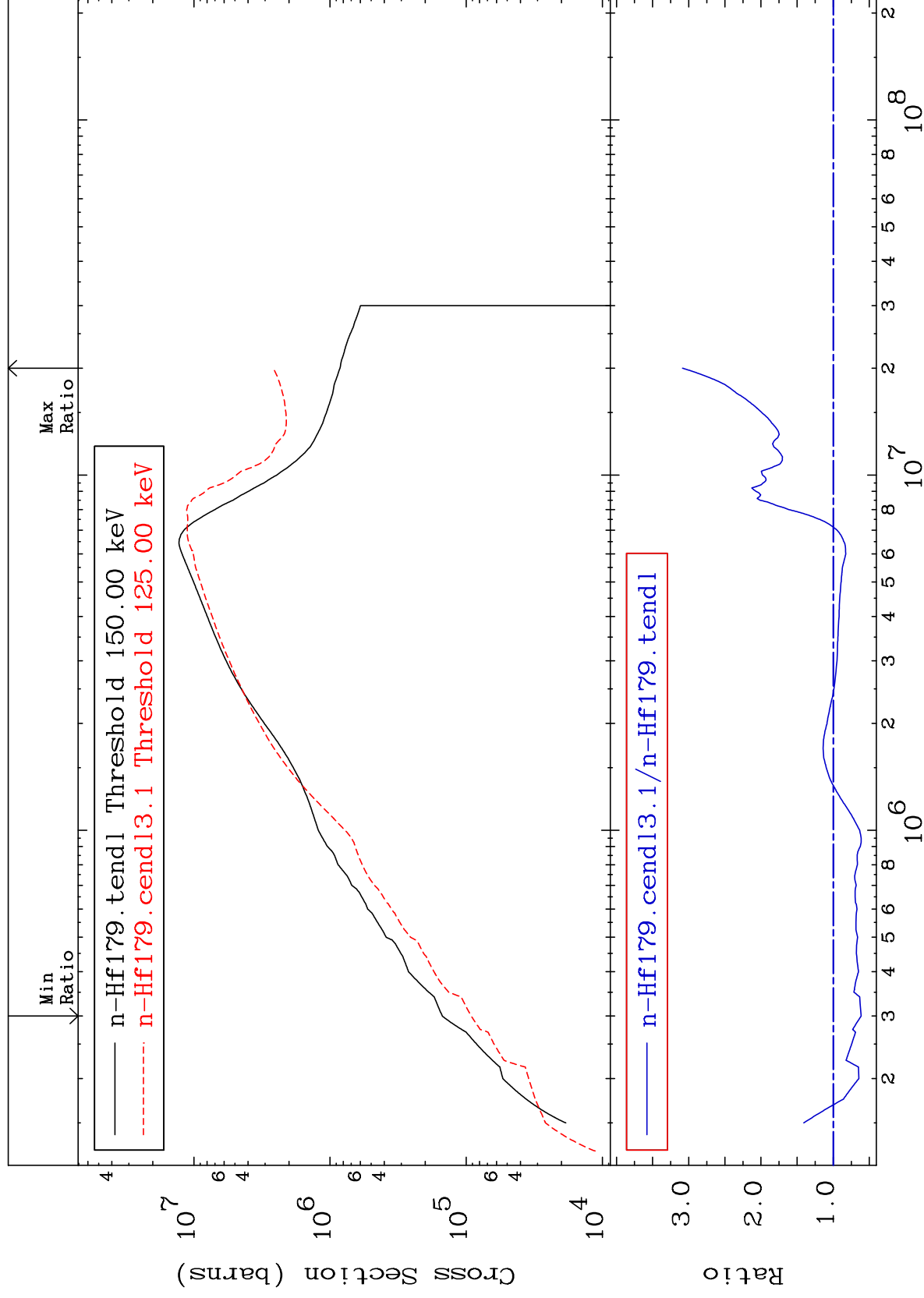
MAT 7240

Kerma inelastic (mt51-91)

72-Hf-179

Cross Section

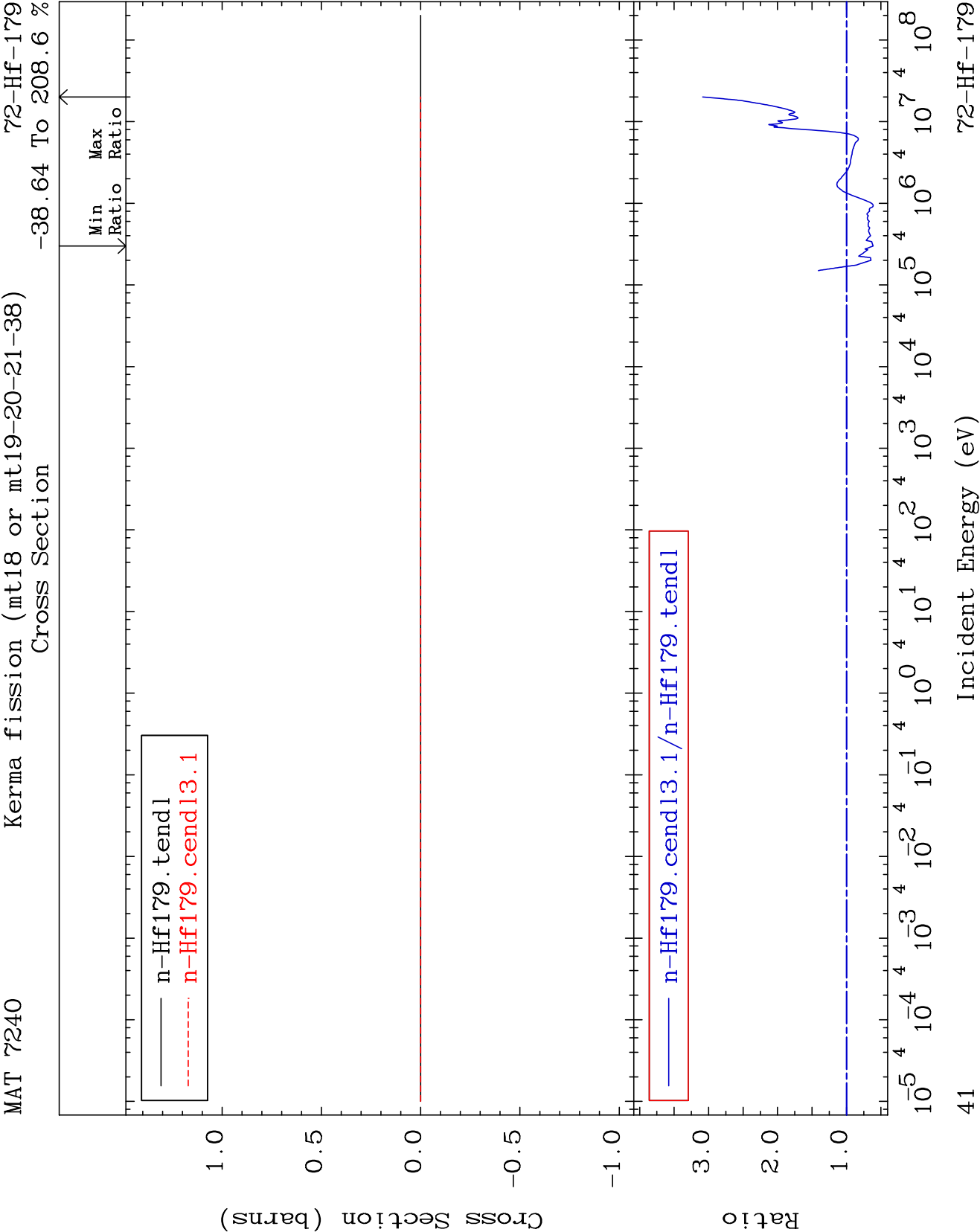
-38.64 To 208.6 %

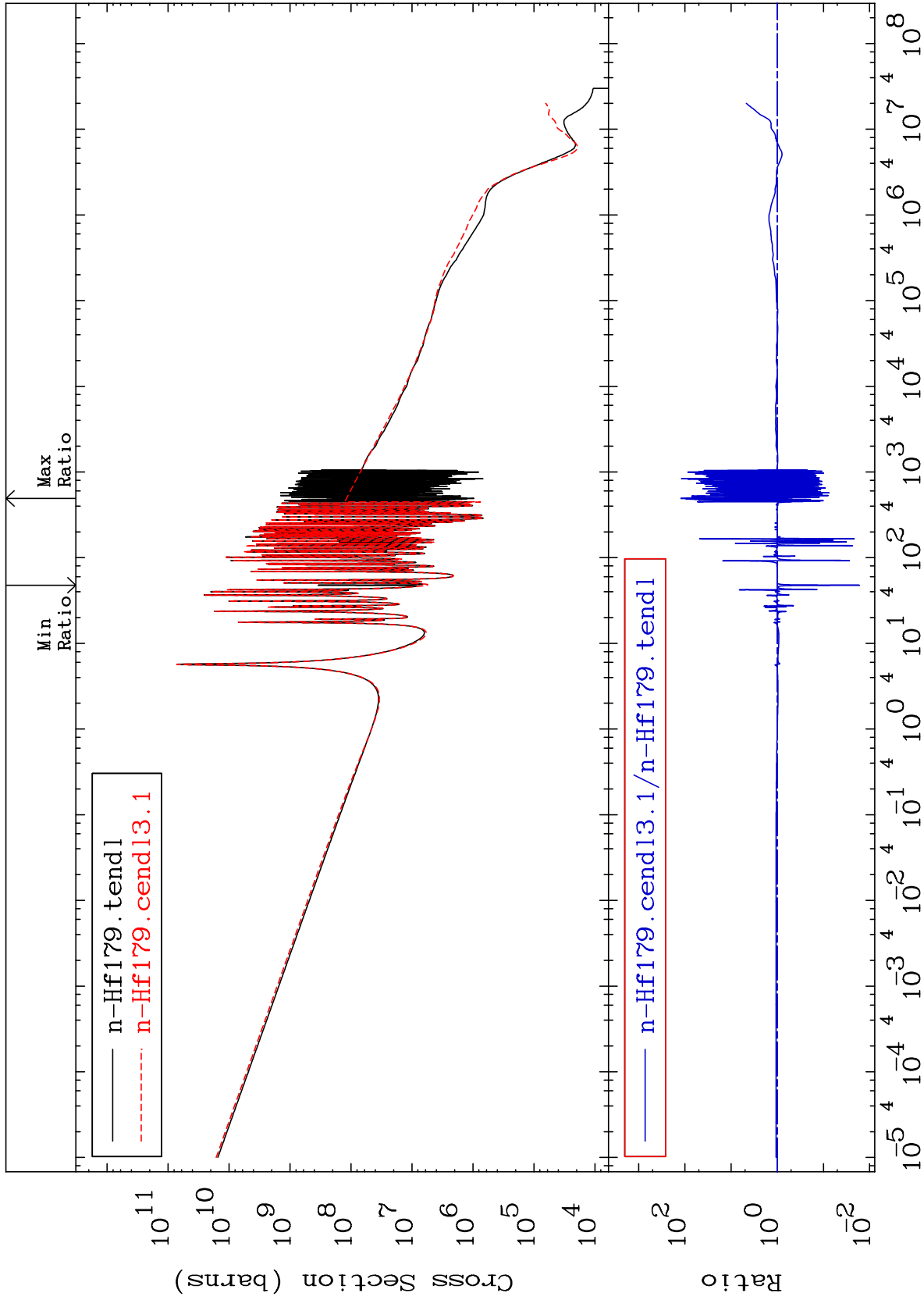


40

Incident Energy (eV)

72-Hf-179





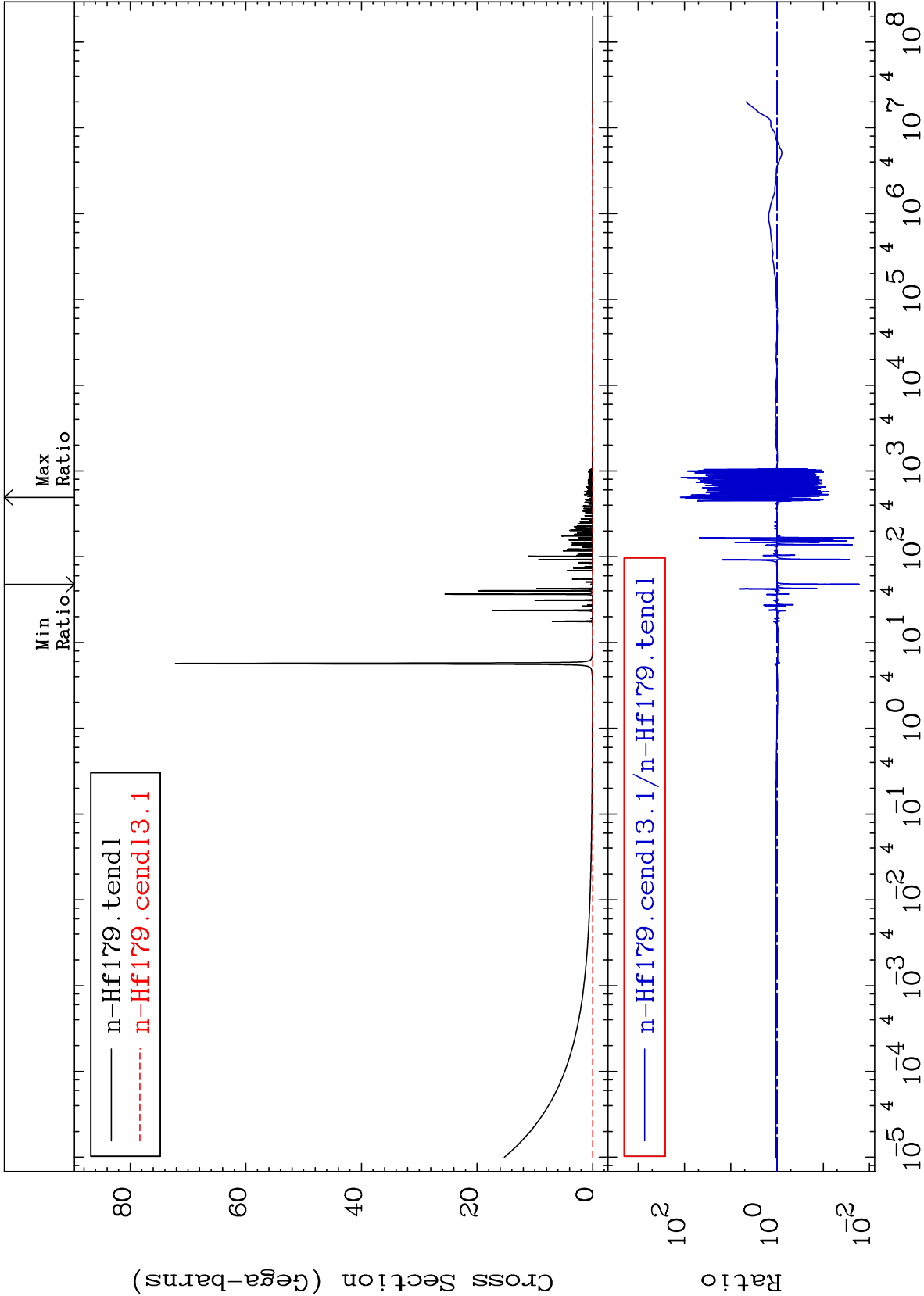
MAT 7240

Total photon (eV-barns)

⁷²Hf-¹⁷⁹

-98.35 To 9999. %

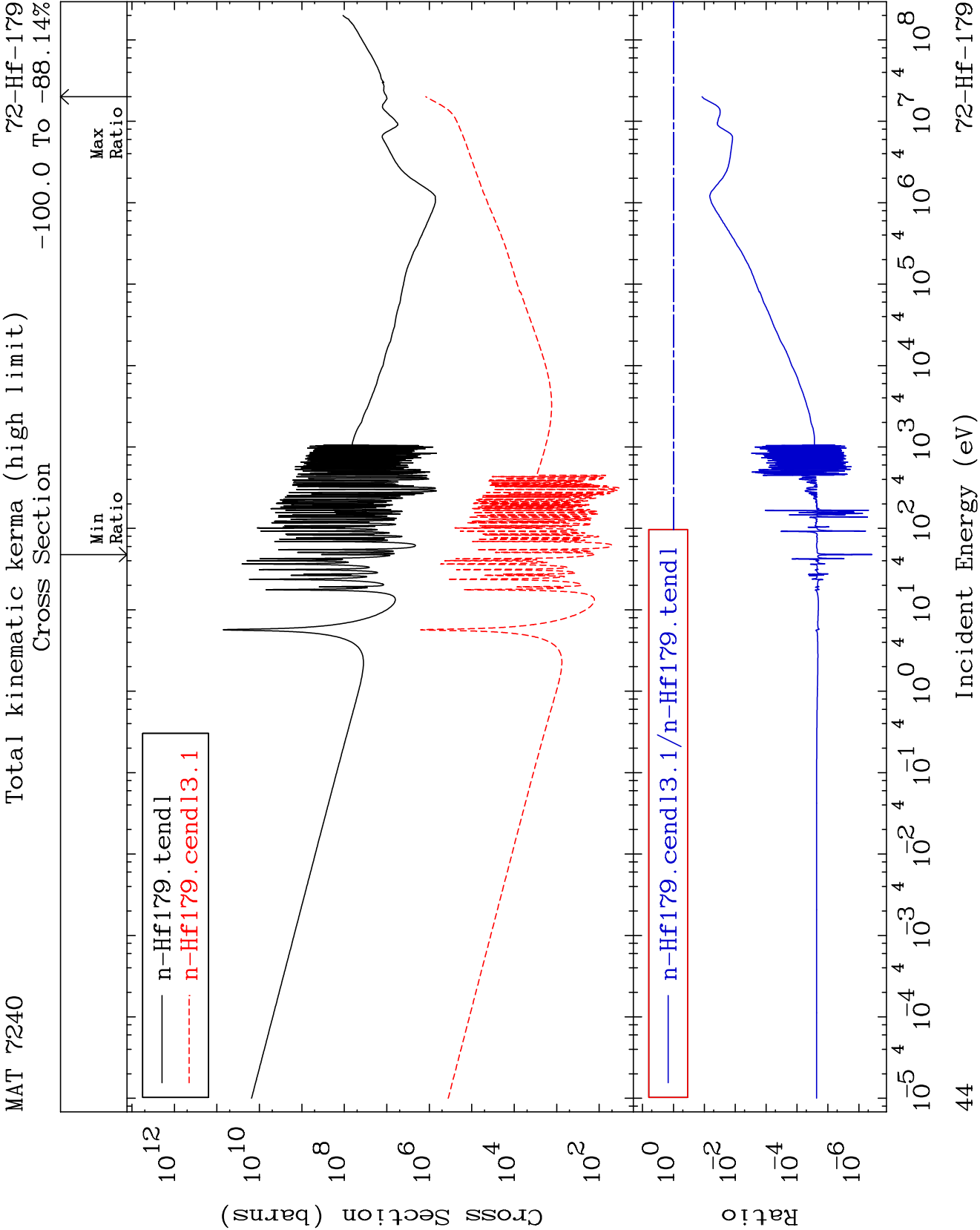
Cross Section



43

Incident Energy (eV)

⁷²Hf-¹⁷⁹



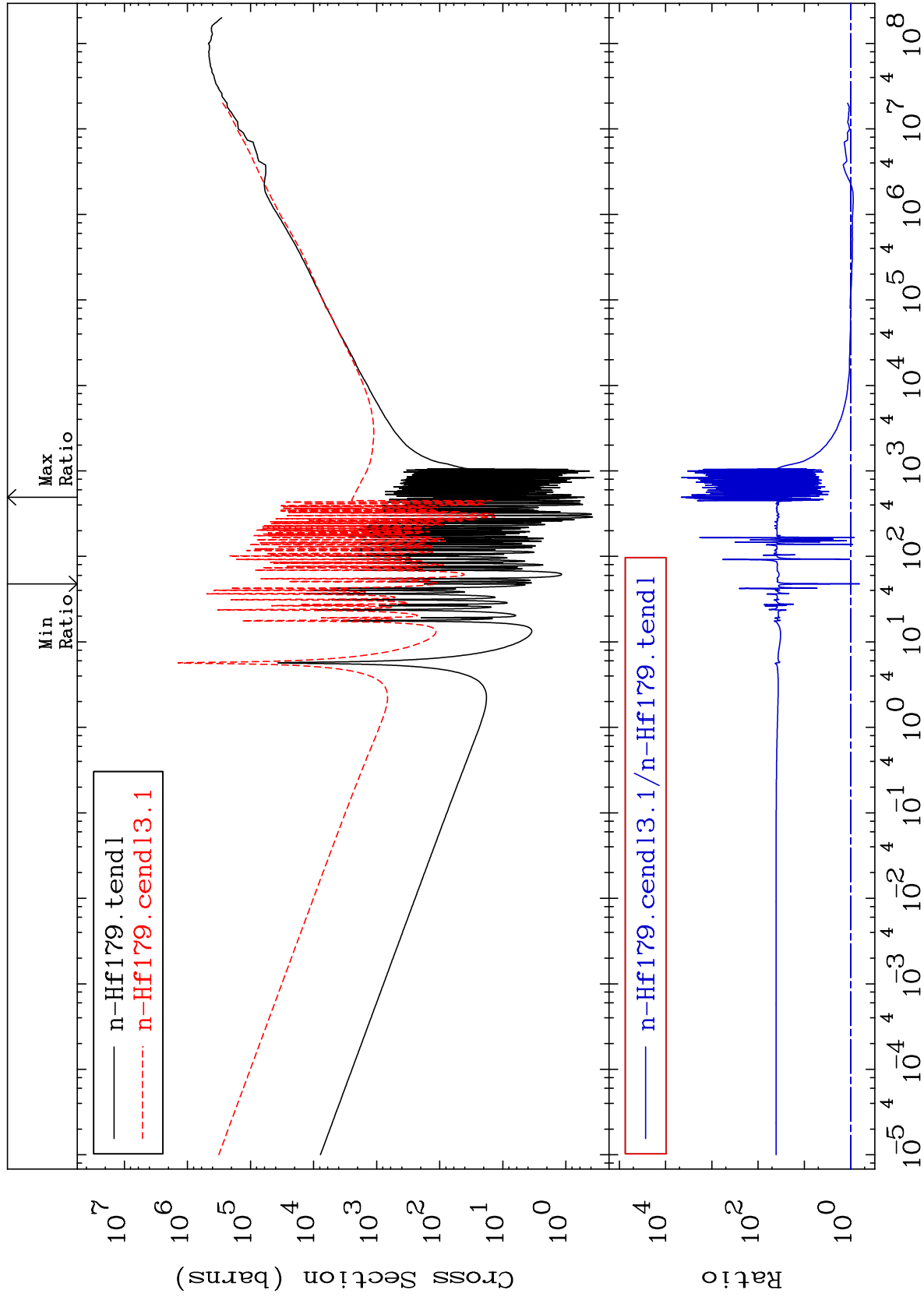
MAT 7240

Dpa total (eV-barns)

⁷²Hf-¹⁷⁹

-36.21 To 9999. %

Cross Section



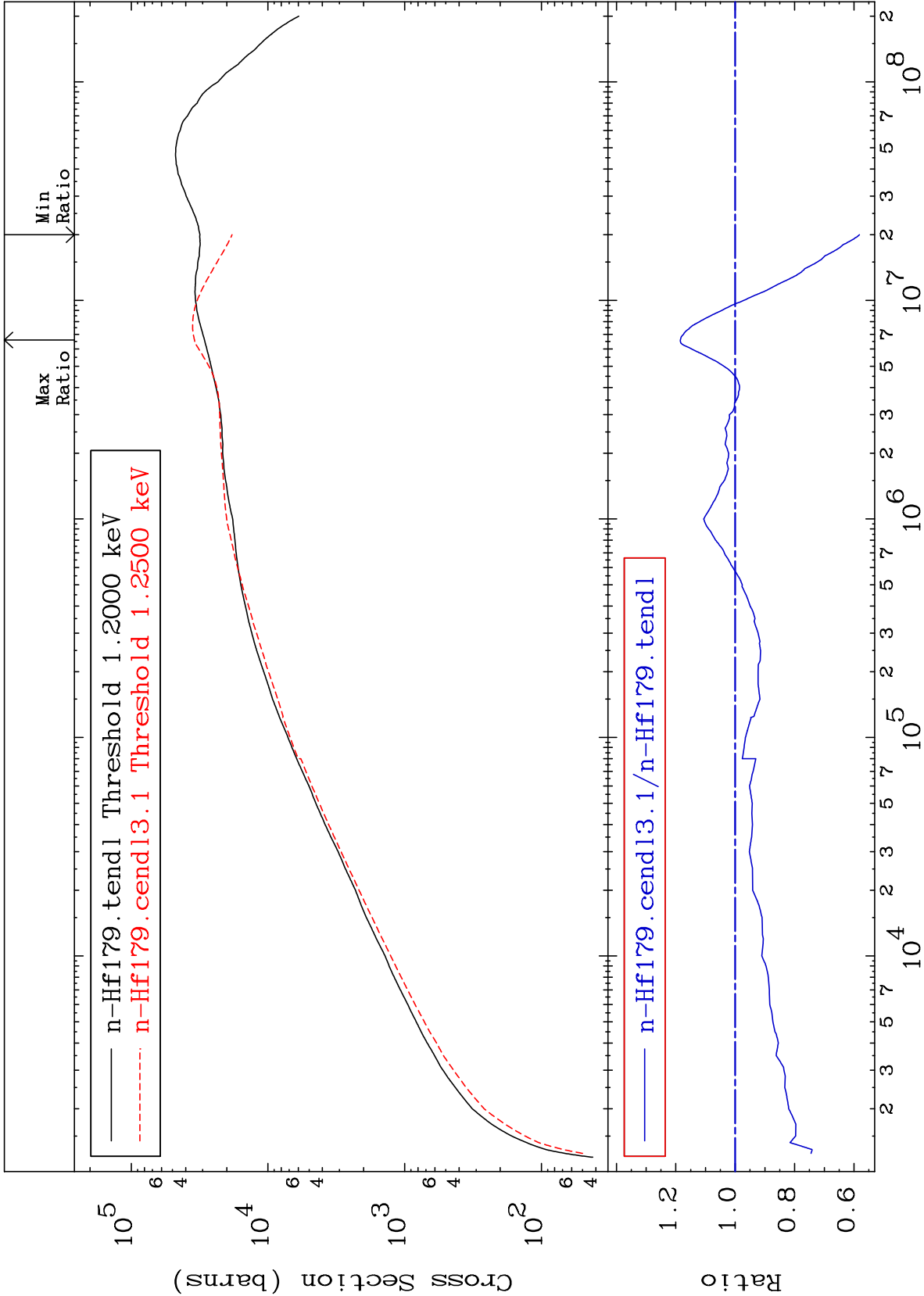
45

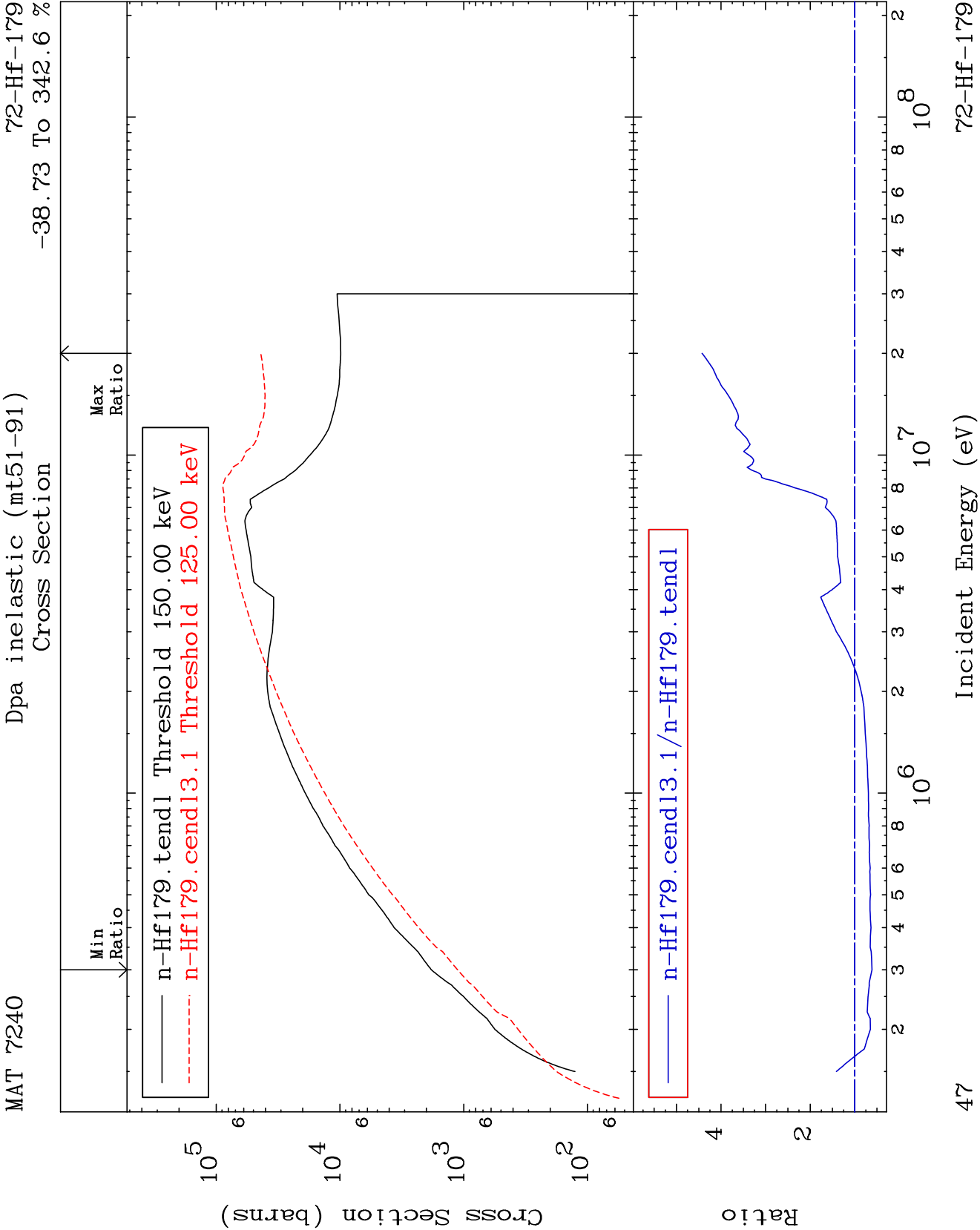
Incident Energy (eV)

⁷²Hf-¹⁷⁹

Cross Section

-41.83 To 18.47 %





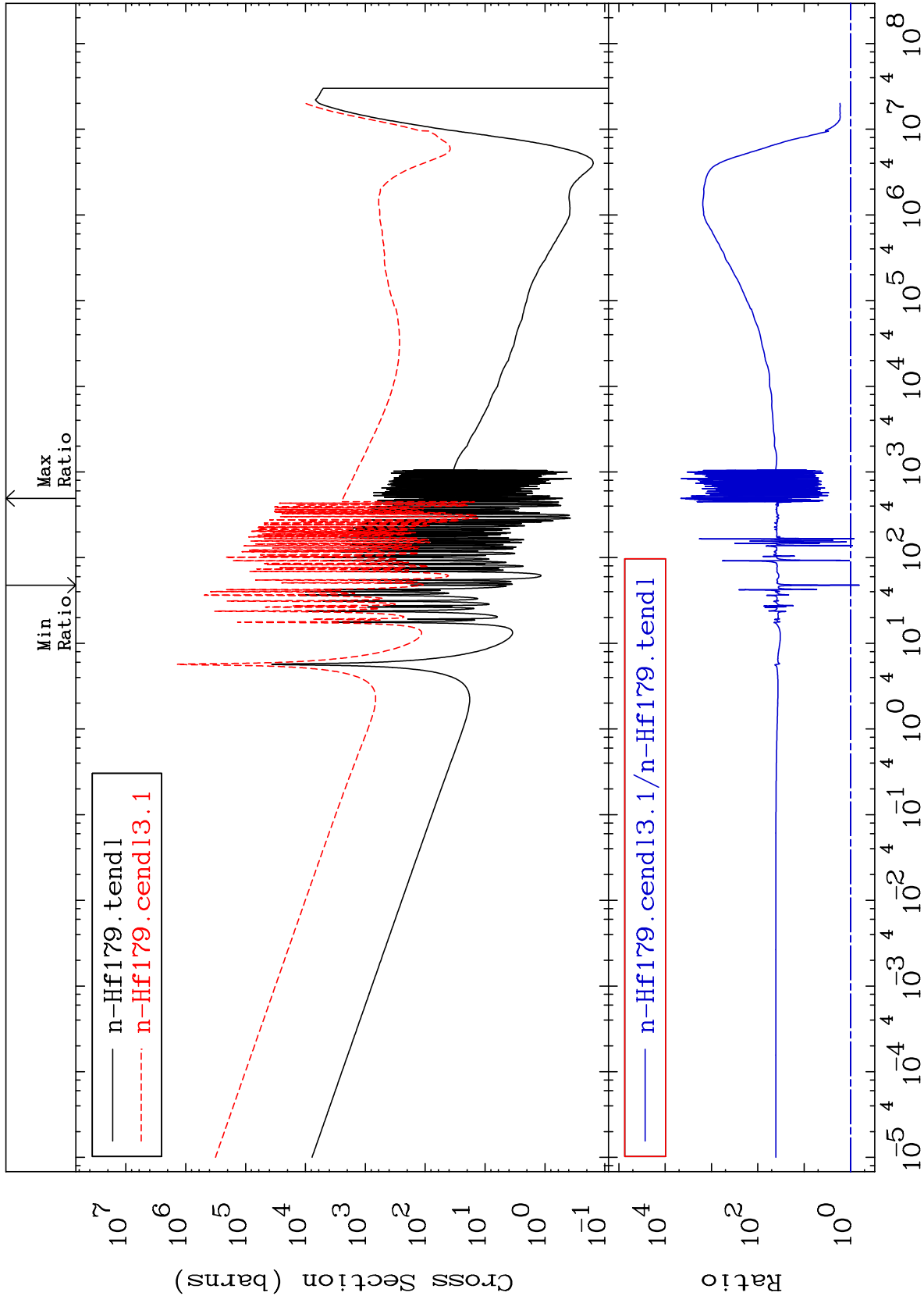
MAT 7240

Dpa disappearance (mt102 -120)

⁷²Hf-179

-36.21 To 9999. %

Cross Section



48

Incident Energy (eV)

⁷²Hf-179