

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

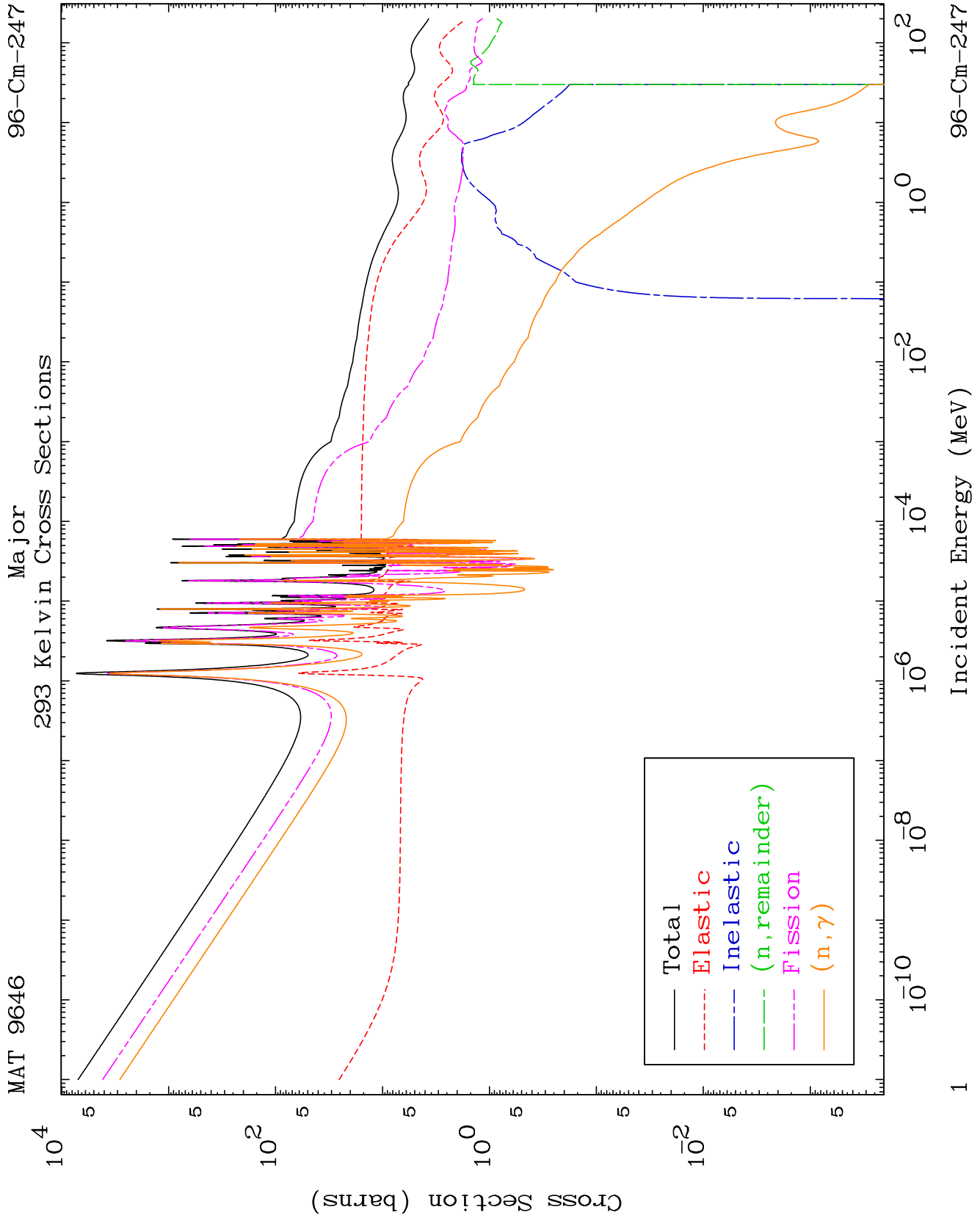
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Web:redcullen1.net/HOMEPAGE.NEW

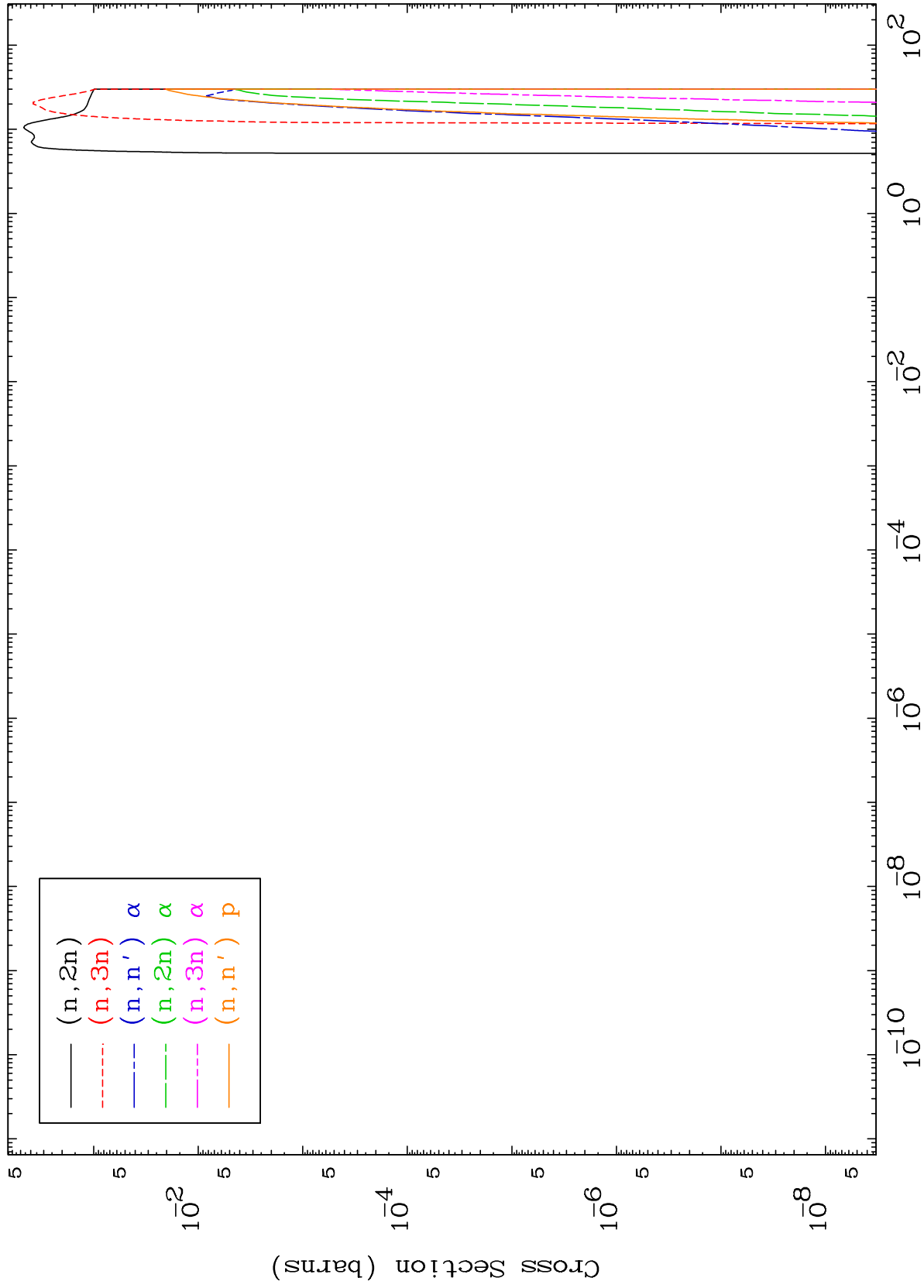
Press Mouse Button to Start



MAT 9646

Neutron Production
293 Kelvin Cross Sections

96-Cm-247

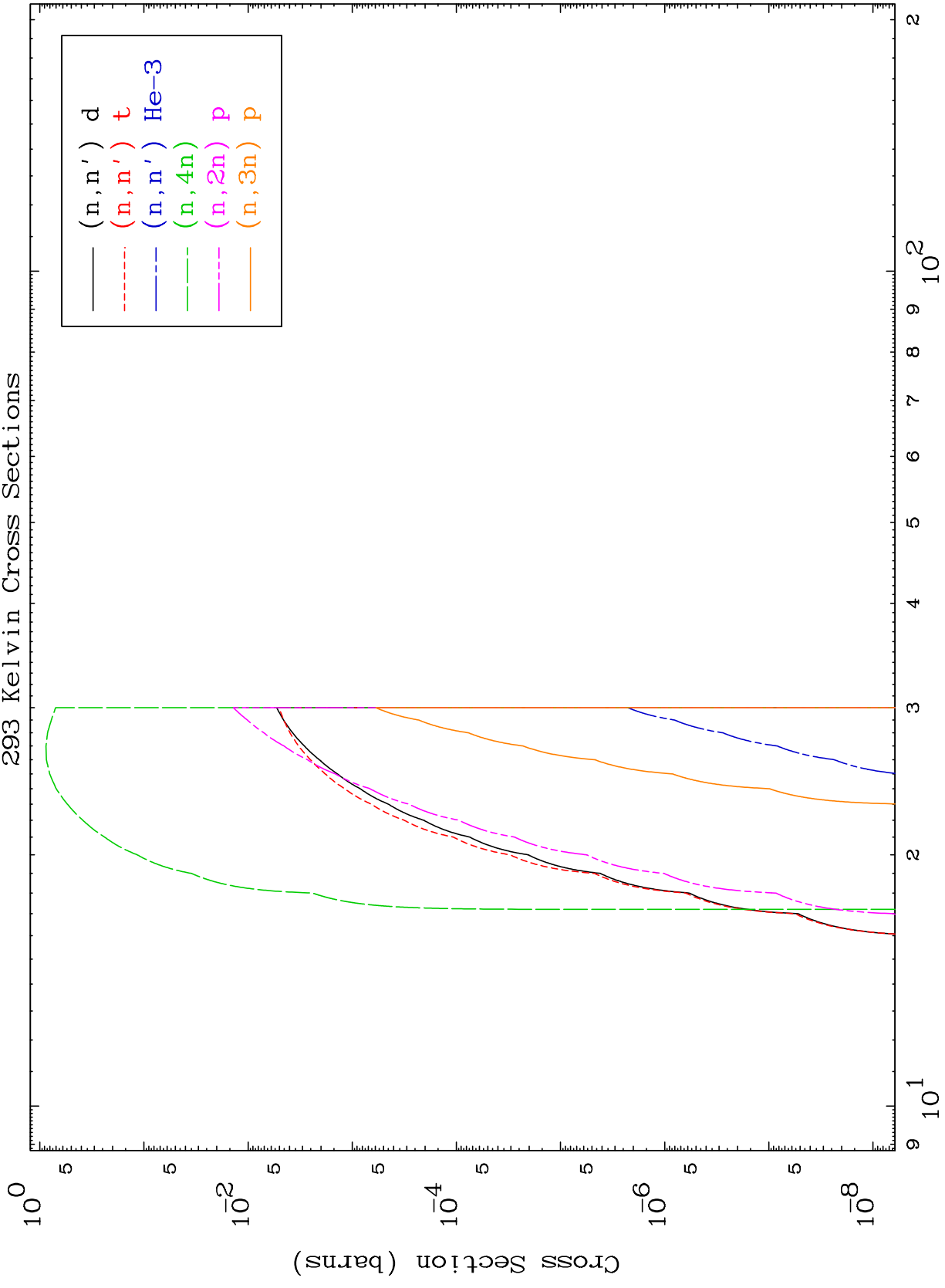


96-Cm-247

MAT 9646

Neutron Production
293 Kelvin Cross Sections

96-Cm-247



96-Cm-247

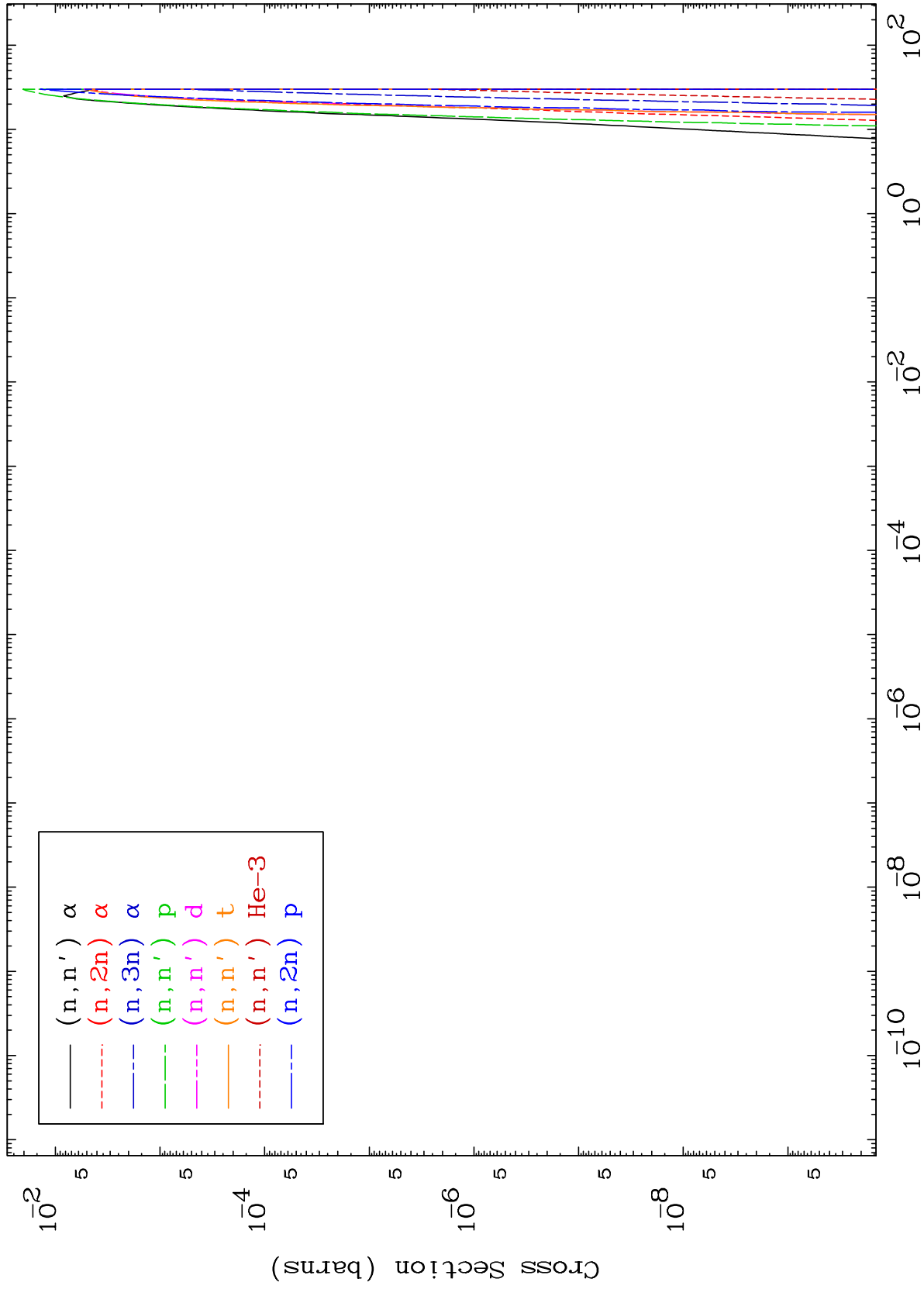
Incident Energy (MeV)

3

MAT 9646

Charged Particle
293 Kelvin Cross Sections

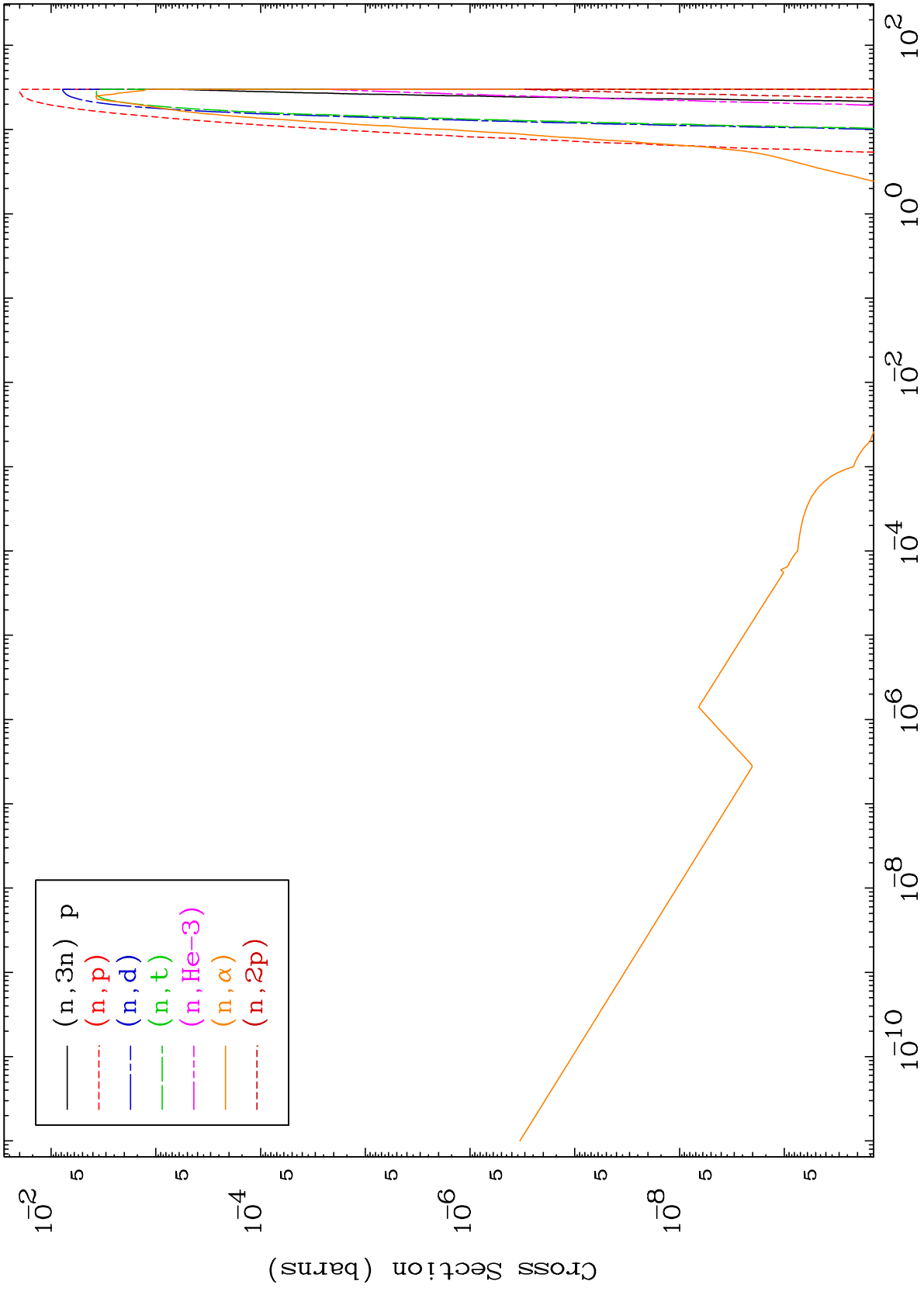
96-Cm-247



MAT 9646

Charged Particle
293 Kelvin Cross Sections

96-Cm-247

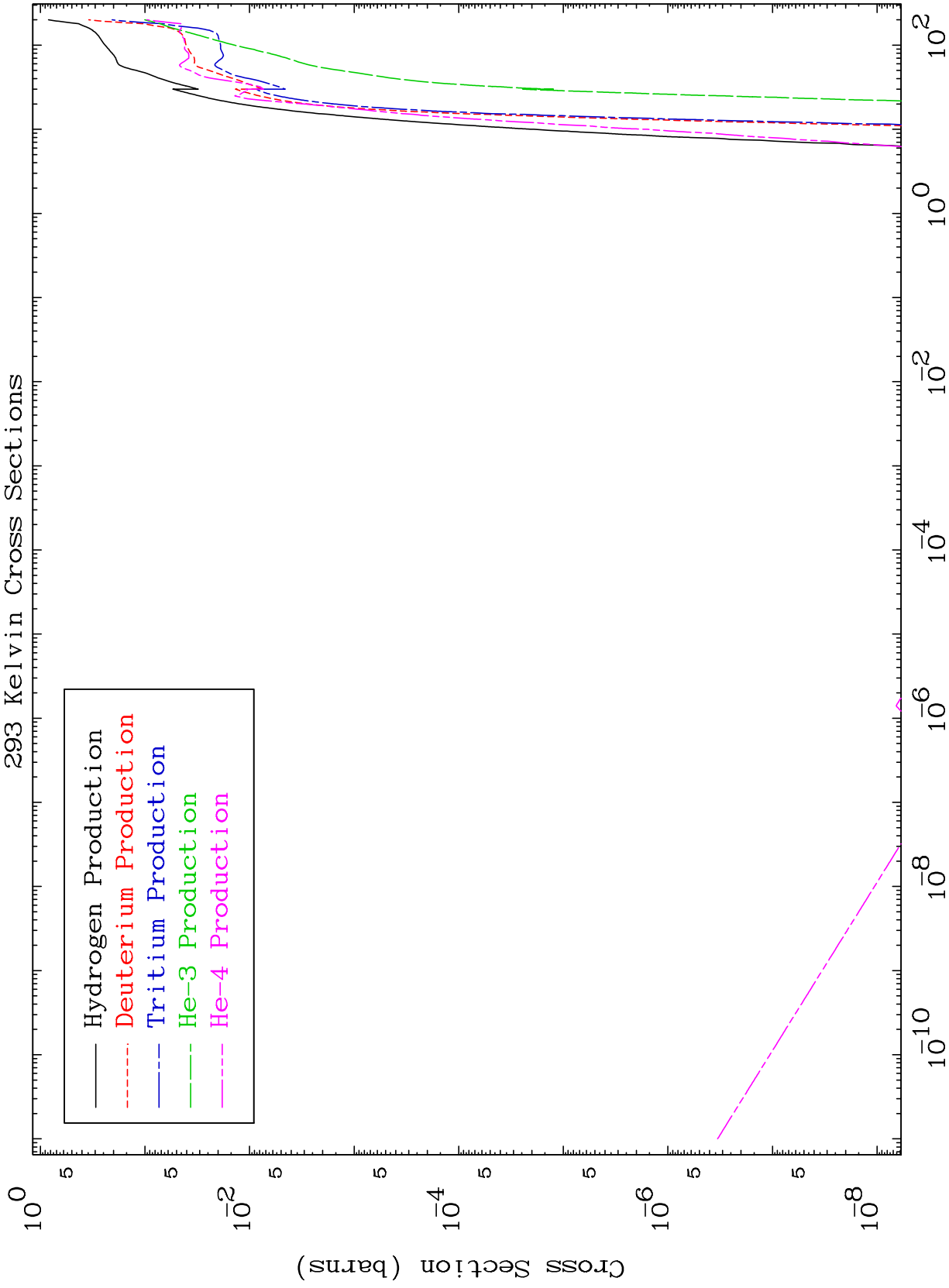


96-Cm-247

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Particle Production
293 Kelvin Cross Sections

96-Cm-247



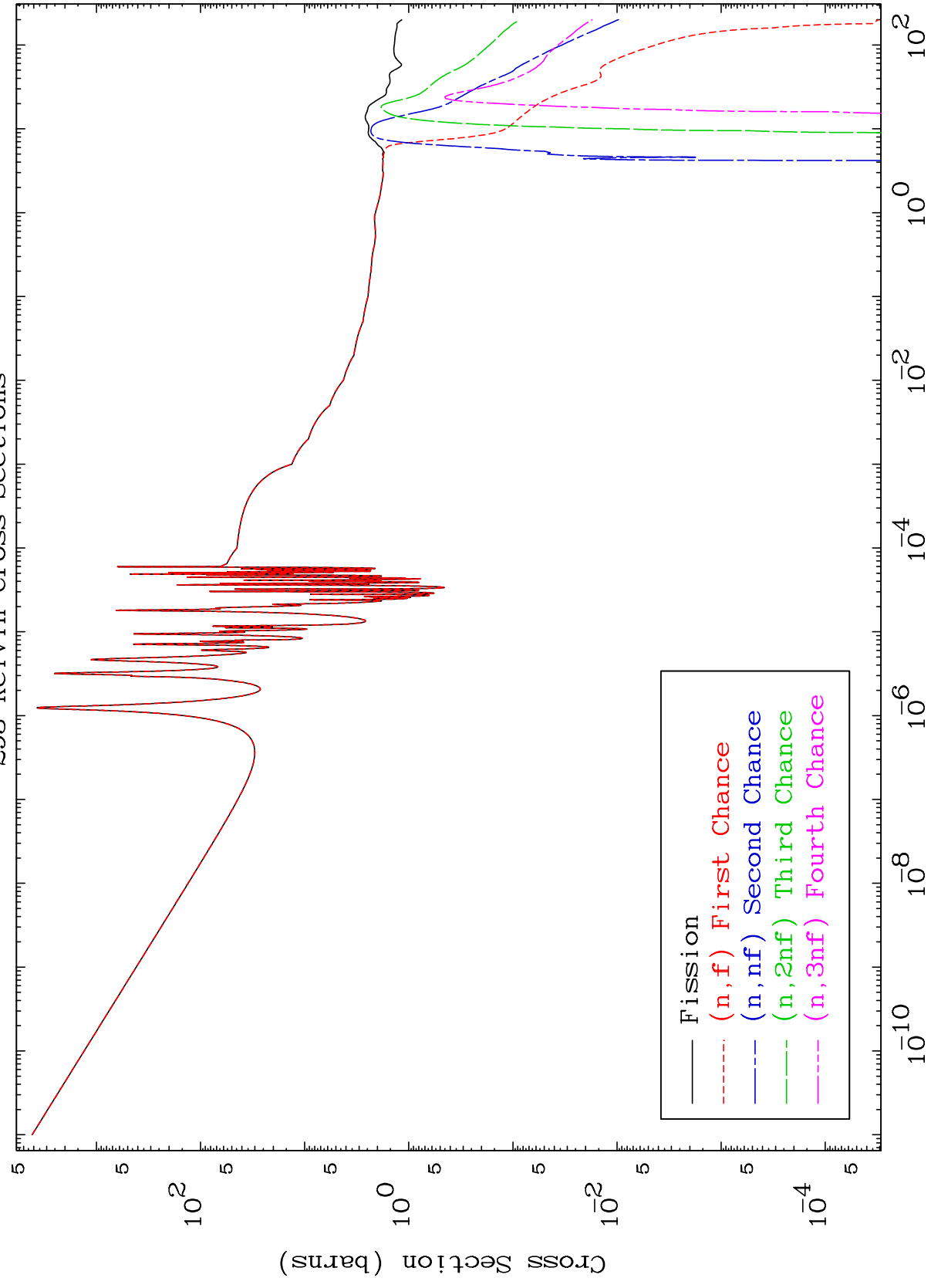
6

96-Cm-247

MAT 9646

Fission
293 Kelvin Cross Sections

96-Cm-247

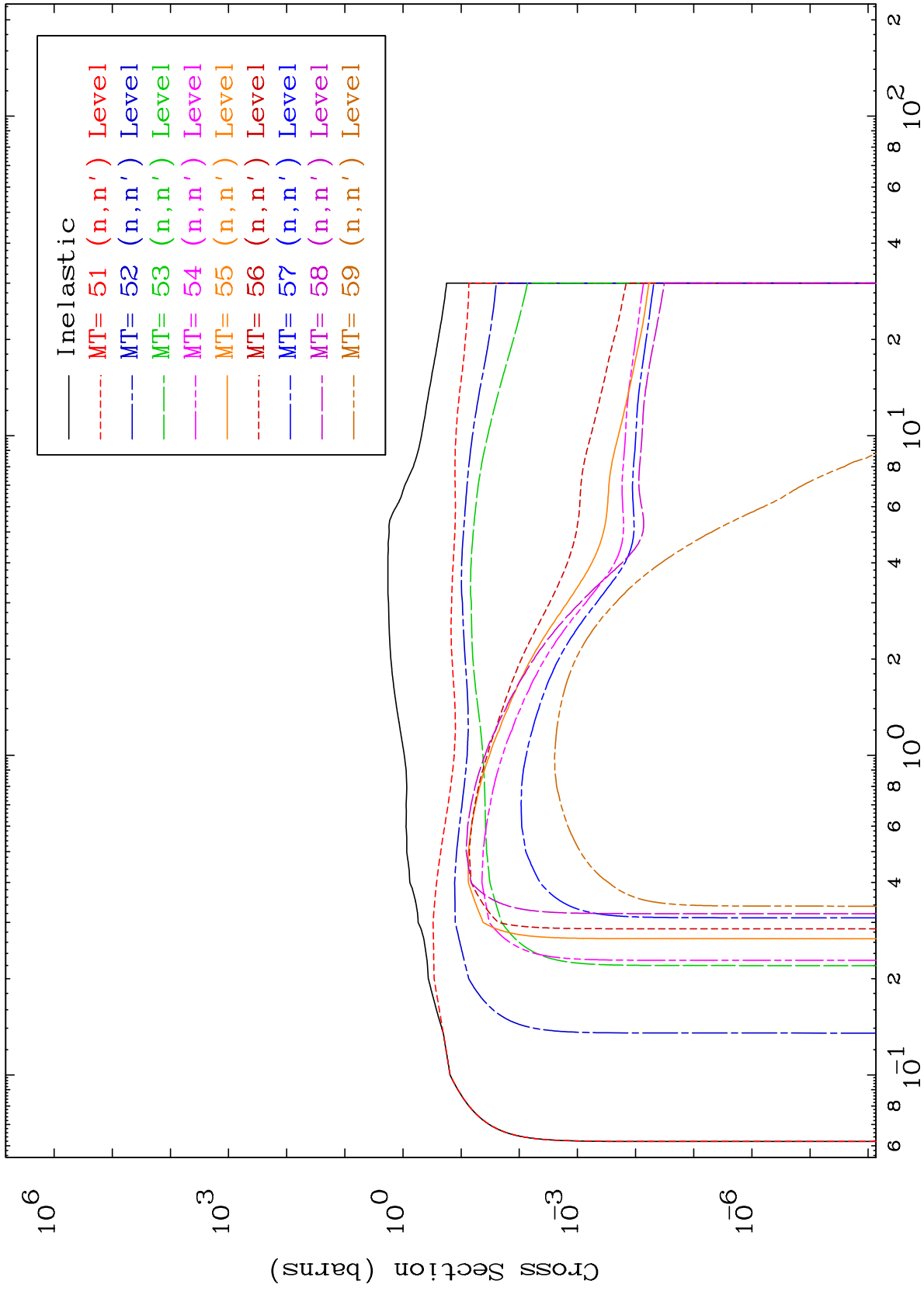


96-Cm-247

MAT 9646

(n,n') Level
293 Kelvin Cross Sections

96-Cm-247



8

Incident Energy (MeV)

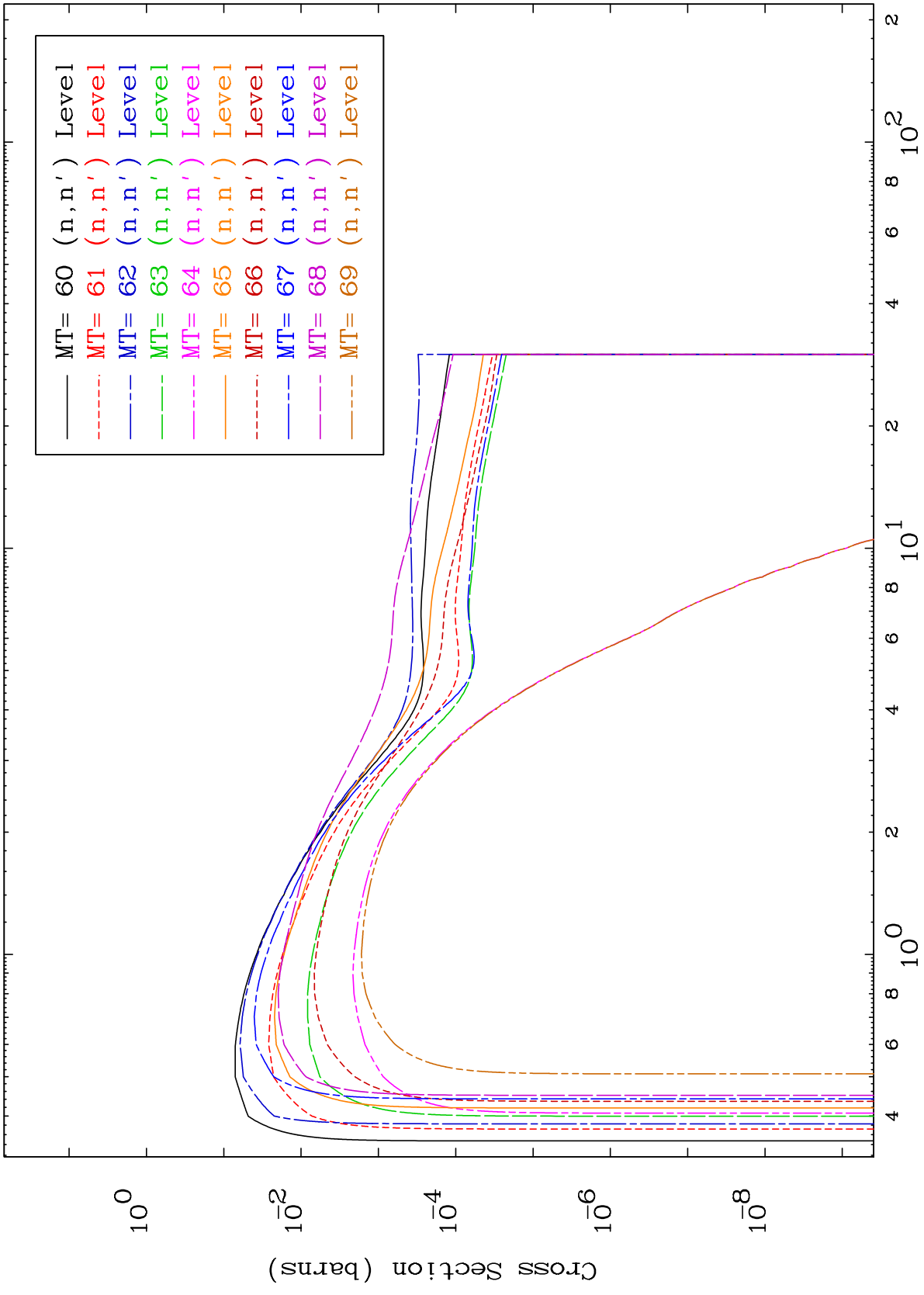
96-Cm-247

MAT 9646

(n,n') Level

96-Cm-247

293 Kelvin Cross Sections



9

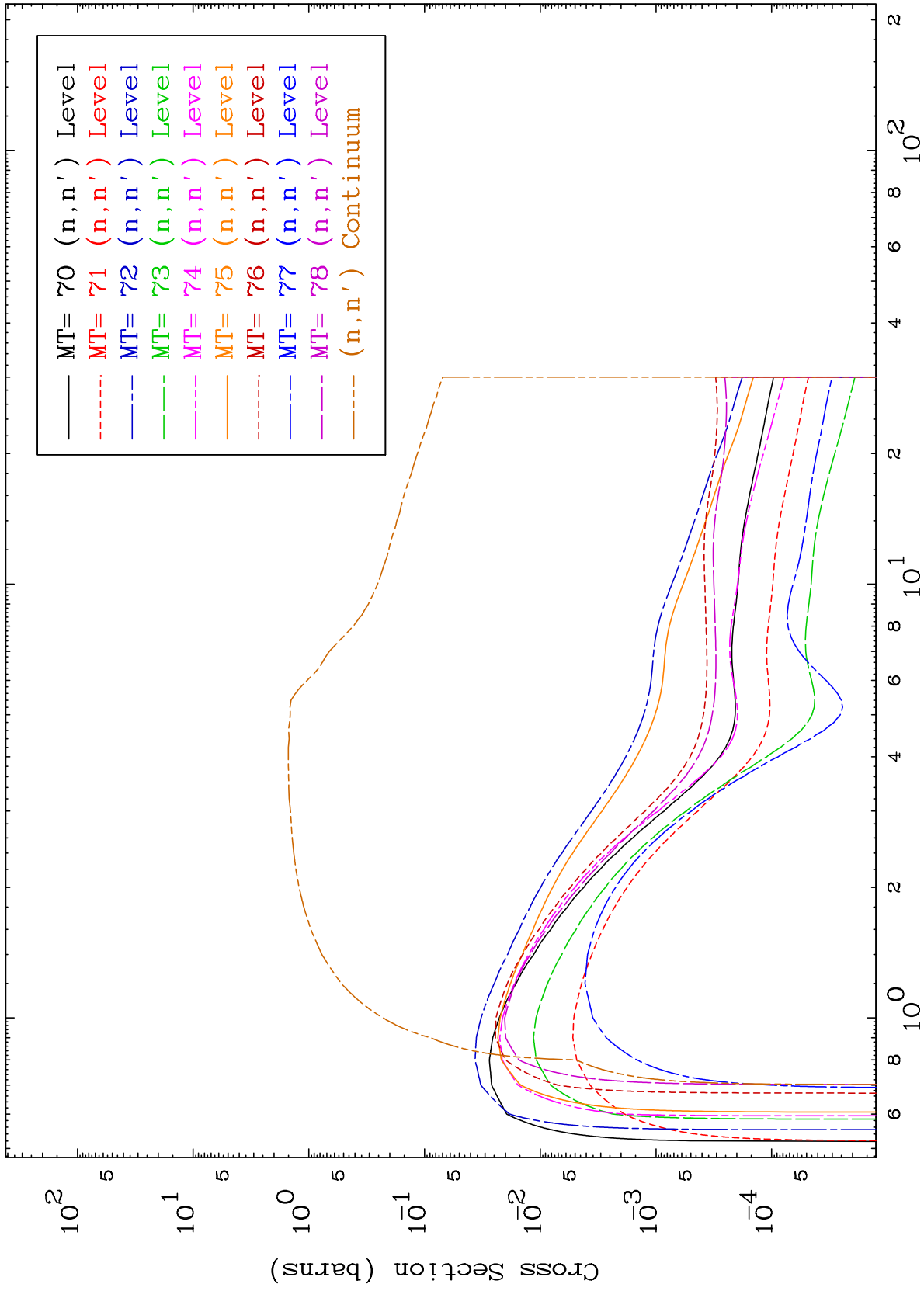
Incident Energy (MeV)

96-Cm-247

MAT 9646

(n,n') Level
293 Kelvin Cross Sections

96-Cm-247



10

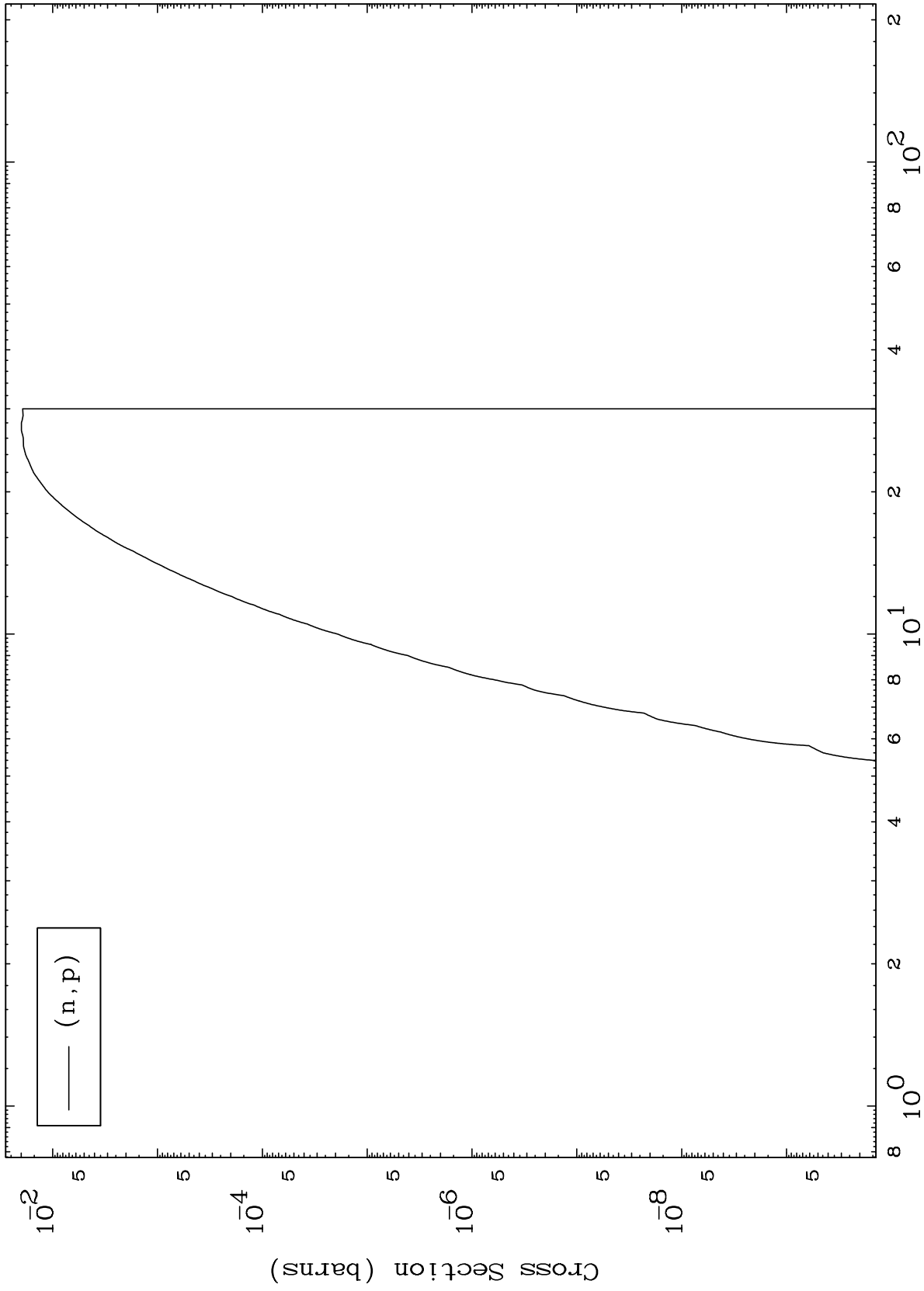
Incident Energy (MeV)

96-Cm-247

MAT 9646

(n,p) Levels
293 Kelvin Cross Sections

96-Cm-247



11

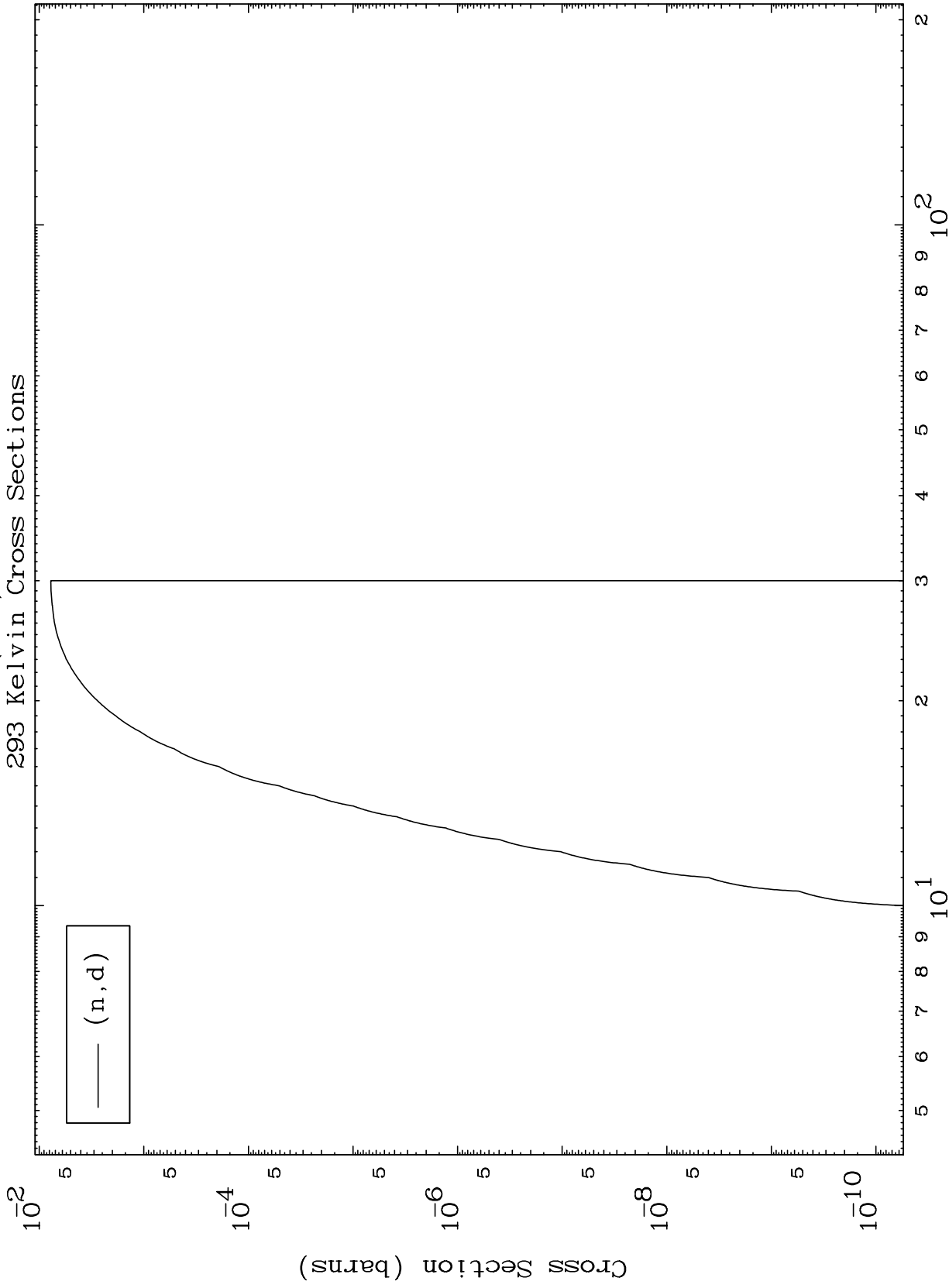
Incident Energy (MeV)

96-Cm-247

MAT 9646

96-Cm-247

(n,d) Levels
293 Kelvin Cross Sections



12

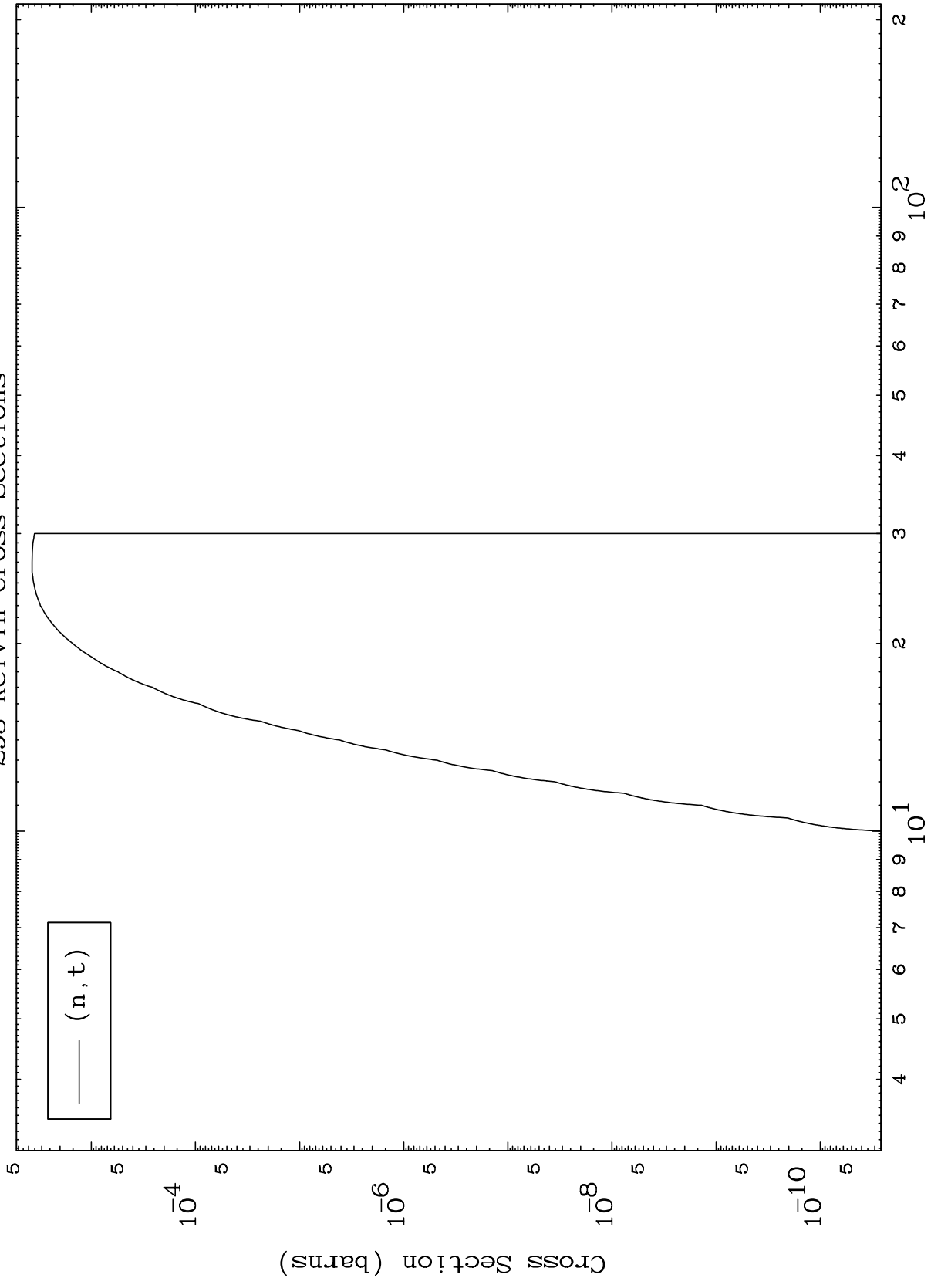
Incident Energy (MeV)

96-Cm-247

MAT 9646

(n,t) Levels
293 Kelvin Cross Sections

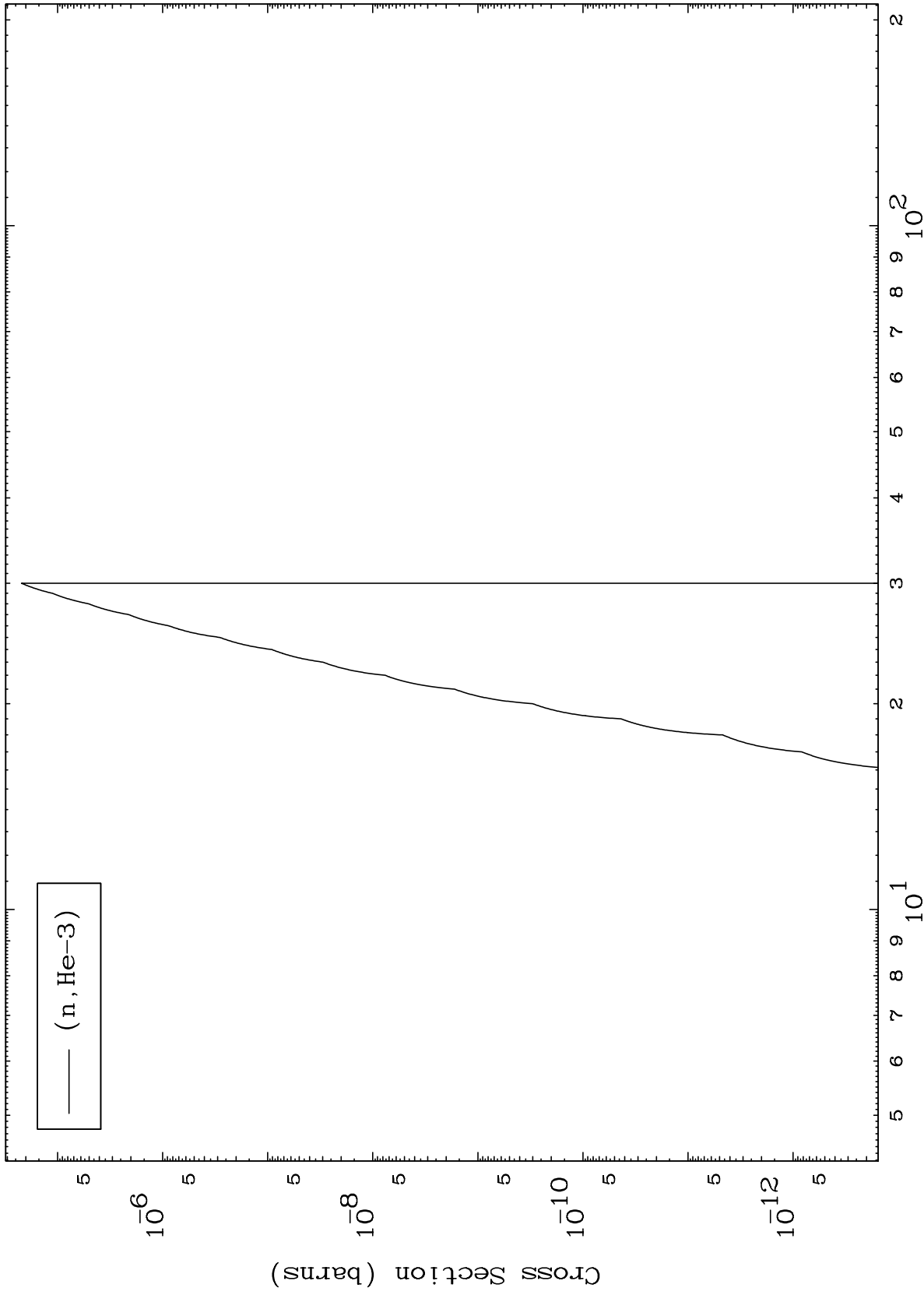
96-Cm-247



MAT 9646

(n,He3) Levels
293 Kelvin Cross Sections

96-Cm-247



14

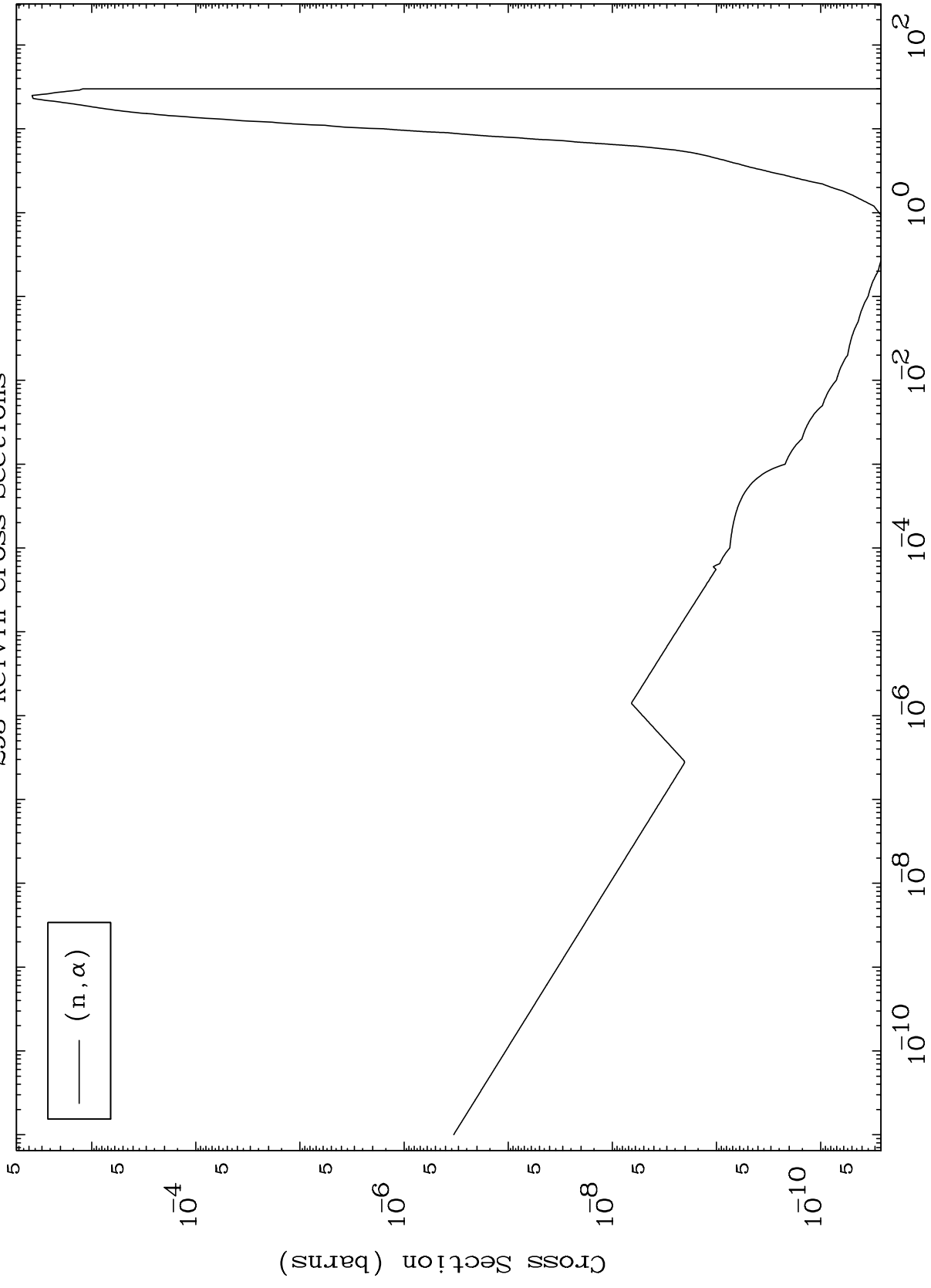
Incident Energy (MeV)

96-Cm-247

MAT 9646

(n, α) Levels
293 Kelvin Cross Sections

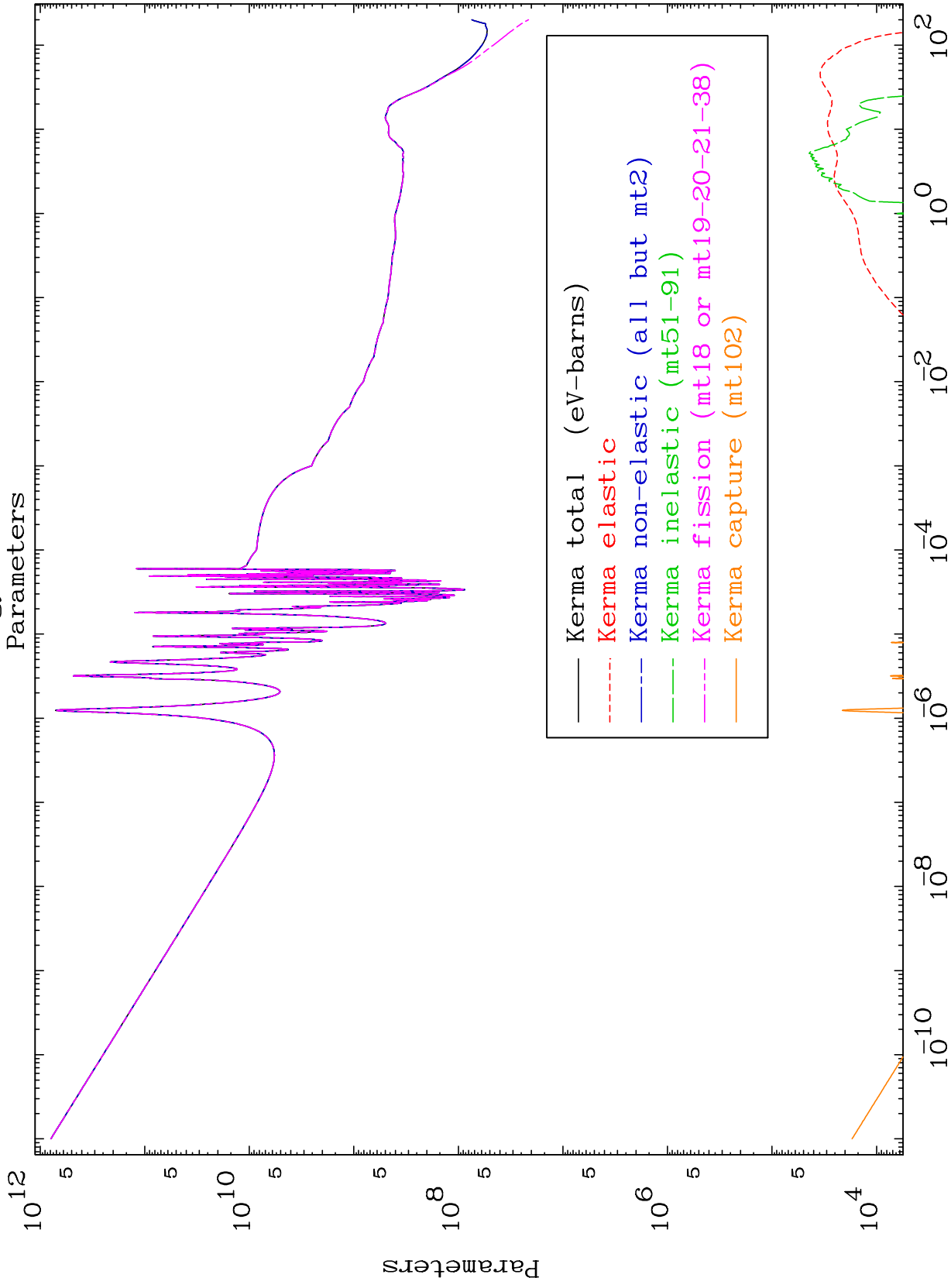
96-Cm-247



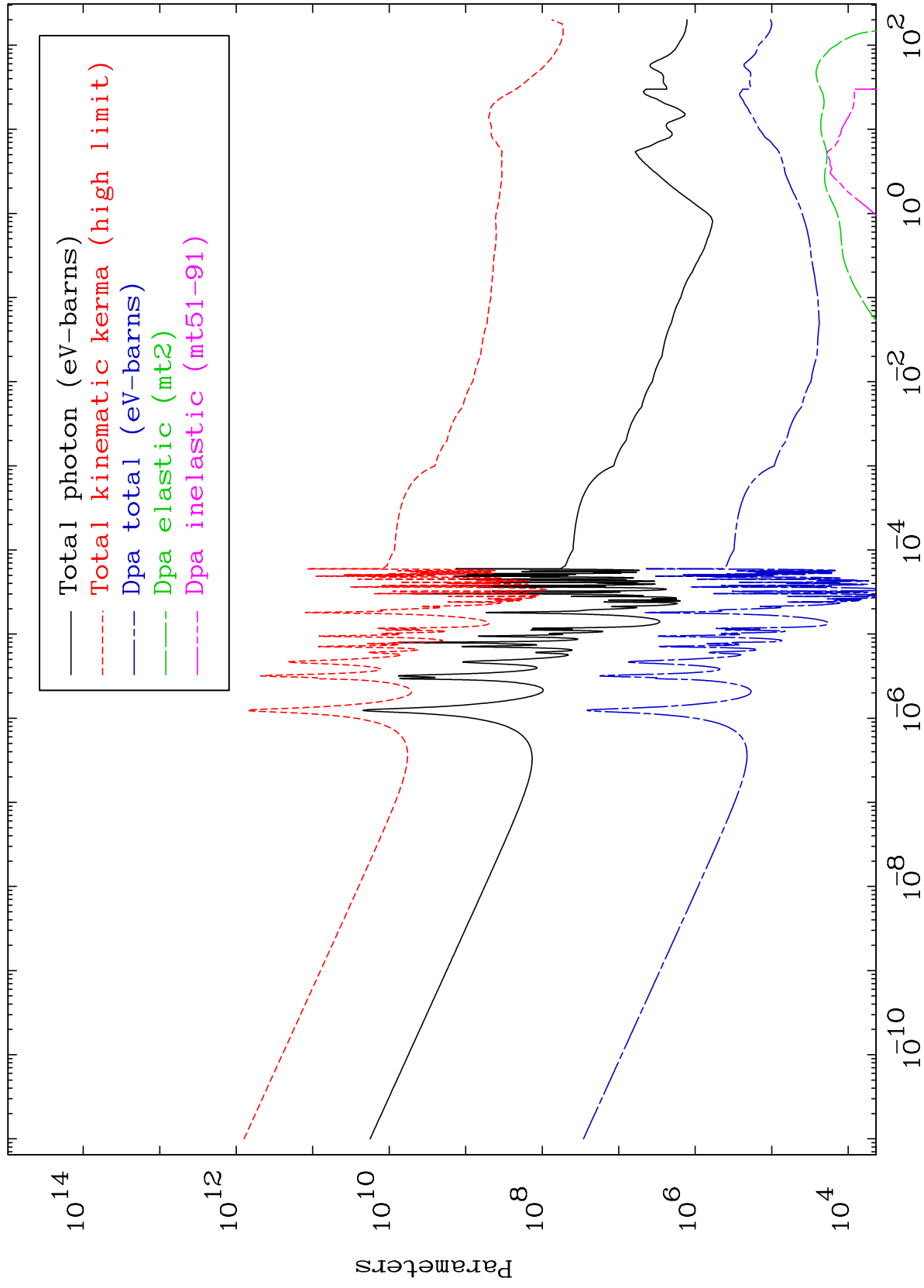
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Energy Release
Parameters

96-Cm-247



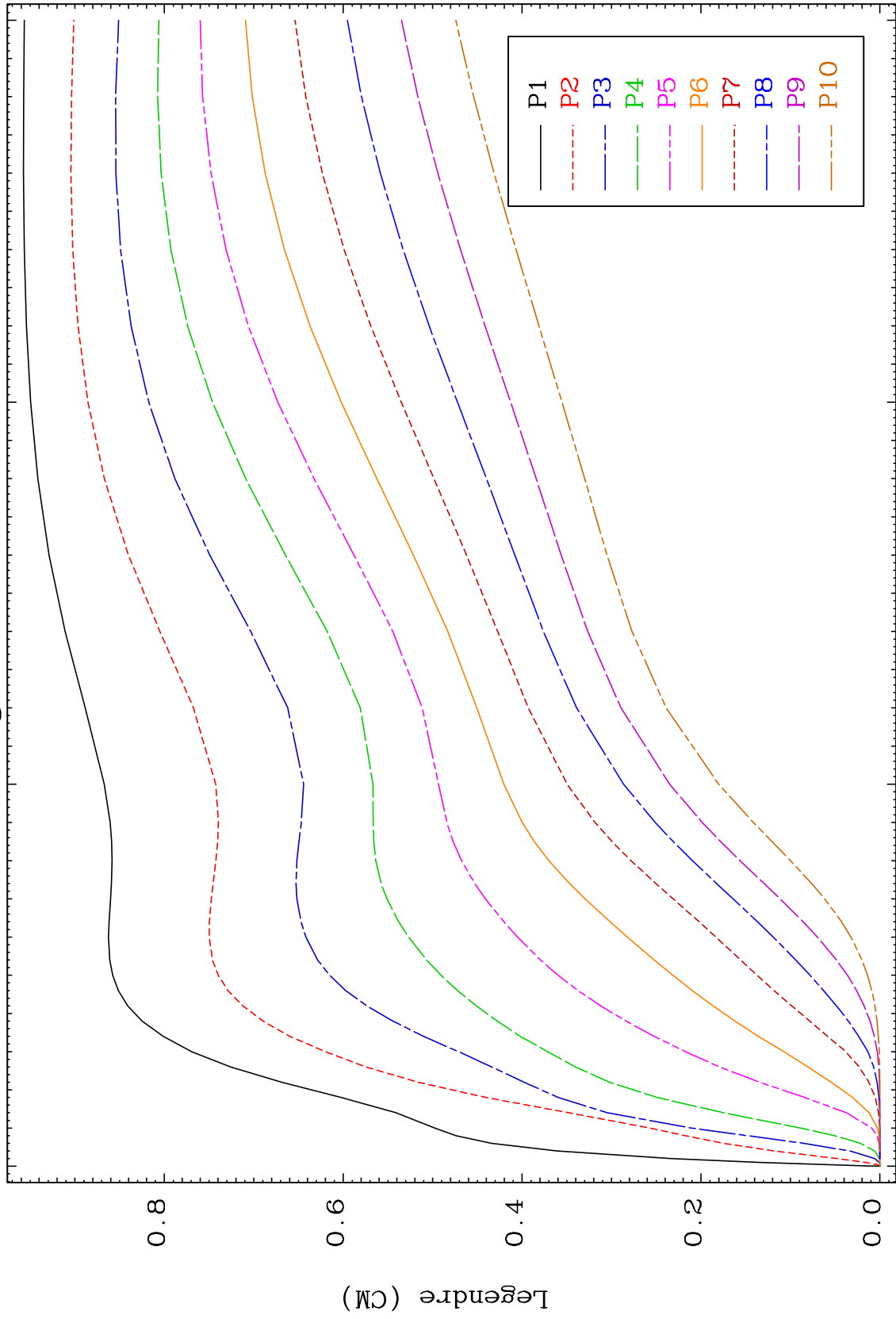
16



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Elastic Legendre Coefficients

96-Cm-247



18

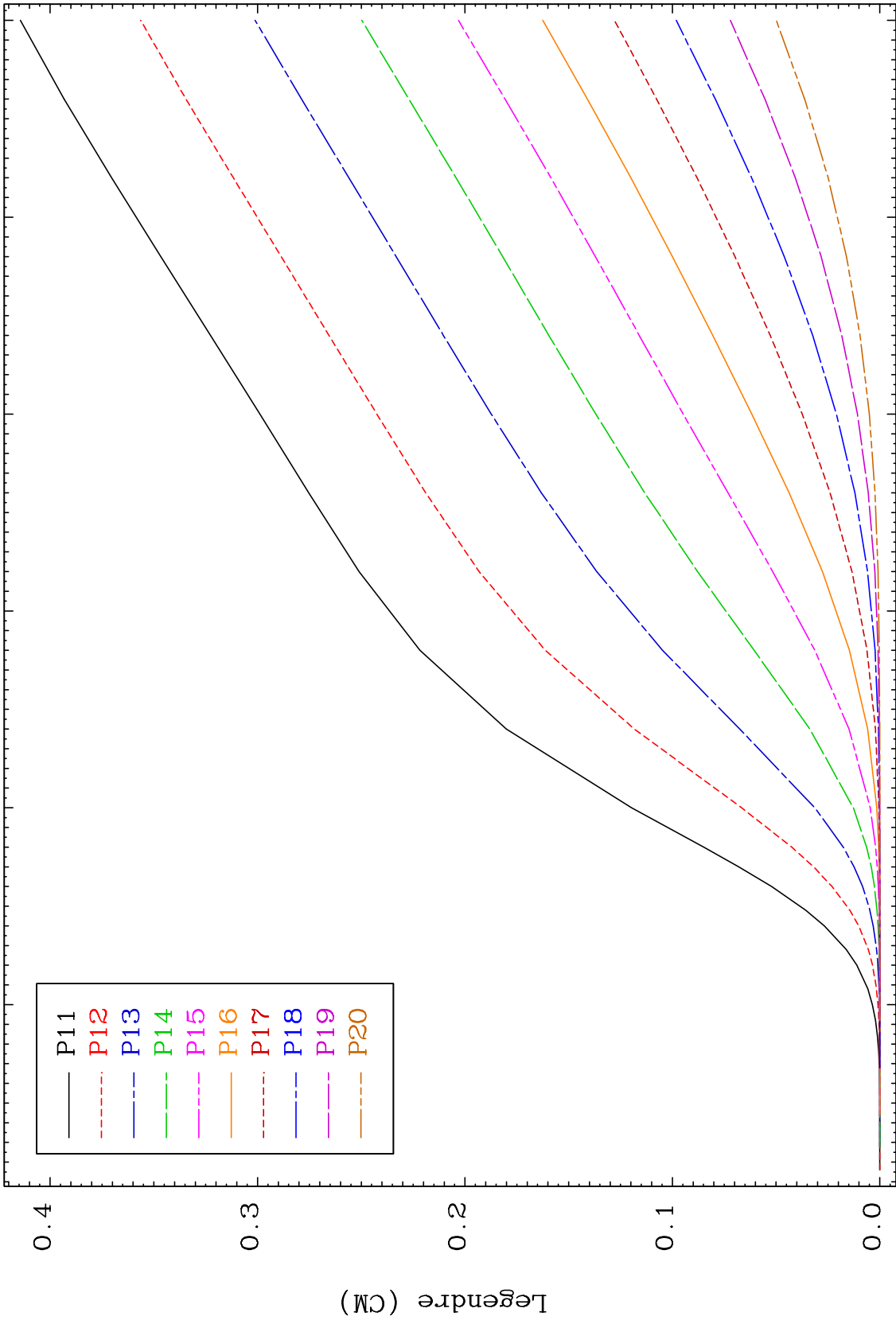
Incident Energy (MeV)

96-Cm-247

MAT 9646

Elastic Legendre Coefficients

96-Cm-247



19

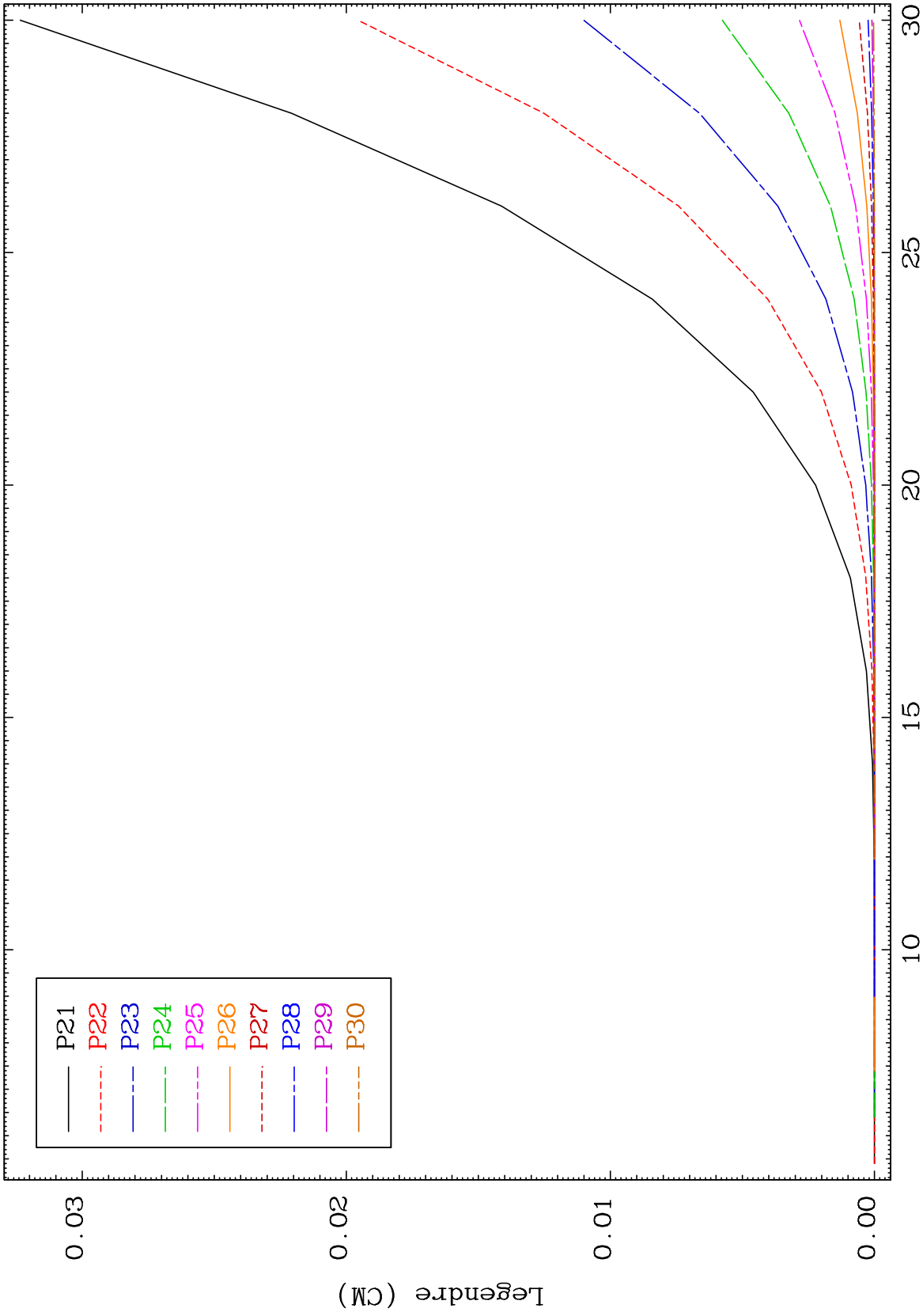
Incident Energy (MeV)

96-Cm-247

MAT 9646

Elastic Legendre Coefficients

96-Cm-247



20

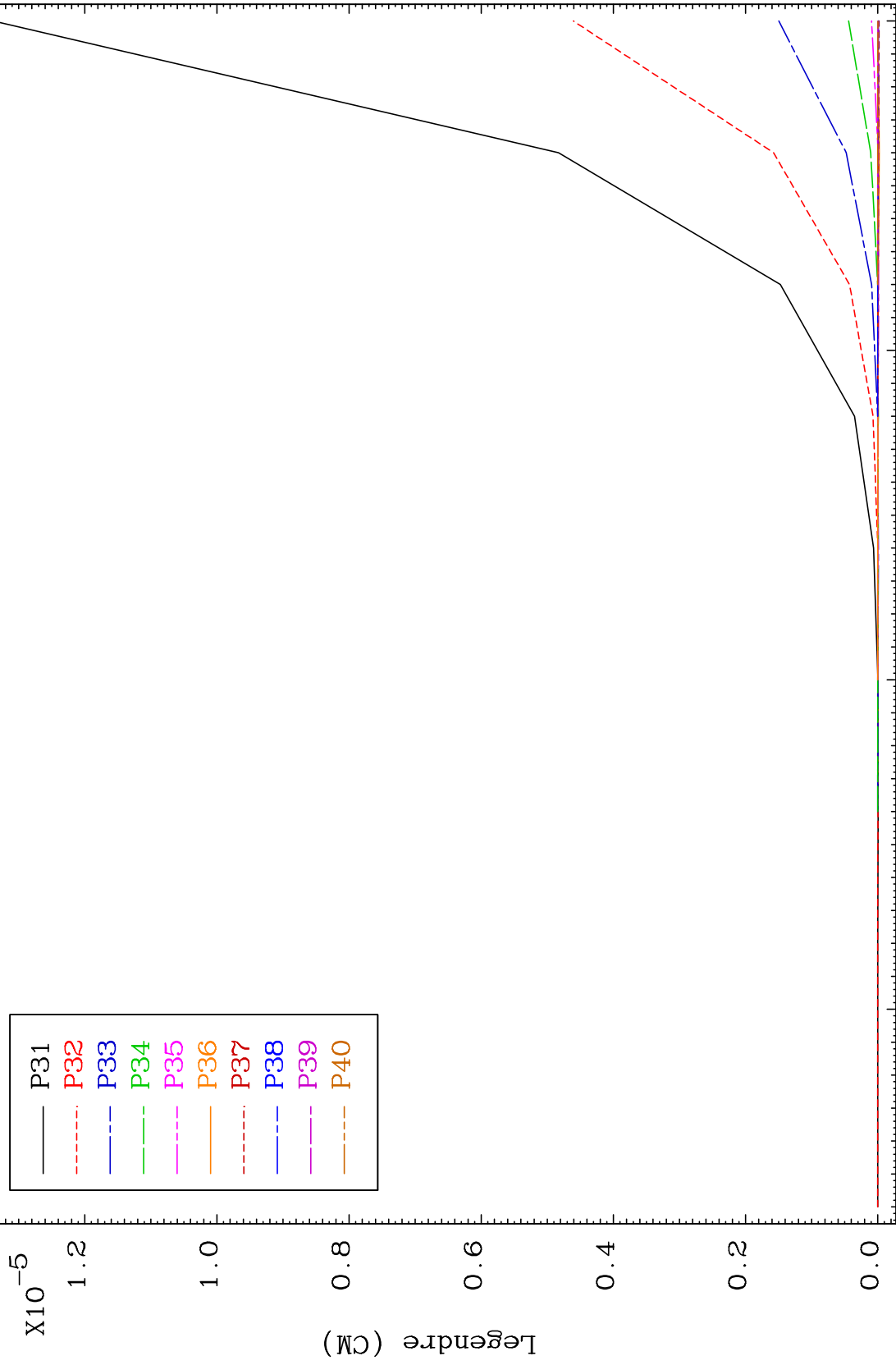
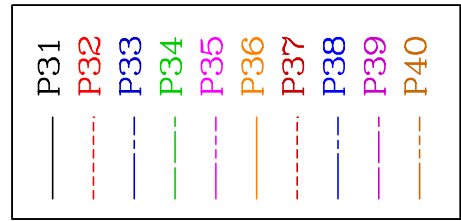
Incident Energy (MeV)

96-Cm-247

MAT 9646

Elastic Legendre Coefficients

96-Cm-247



21

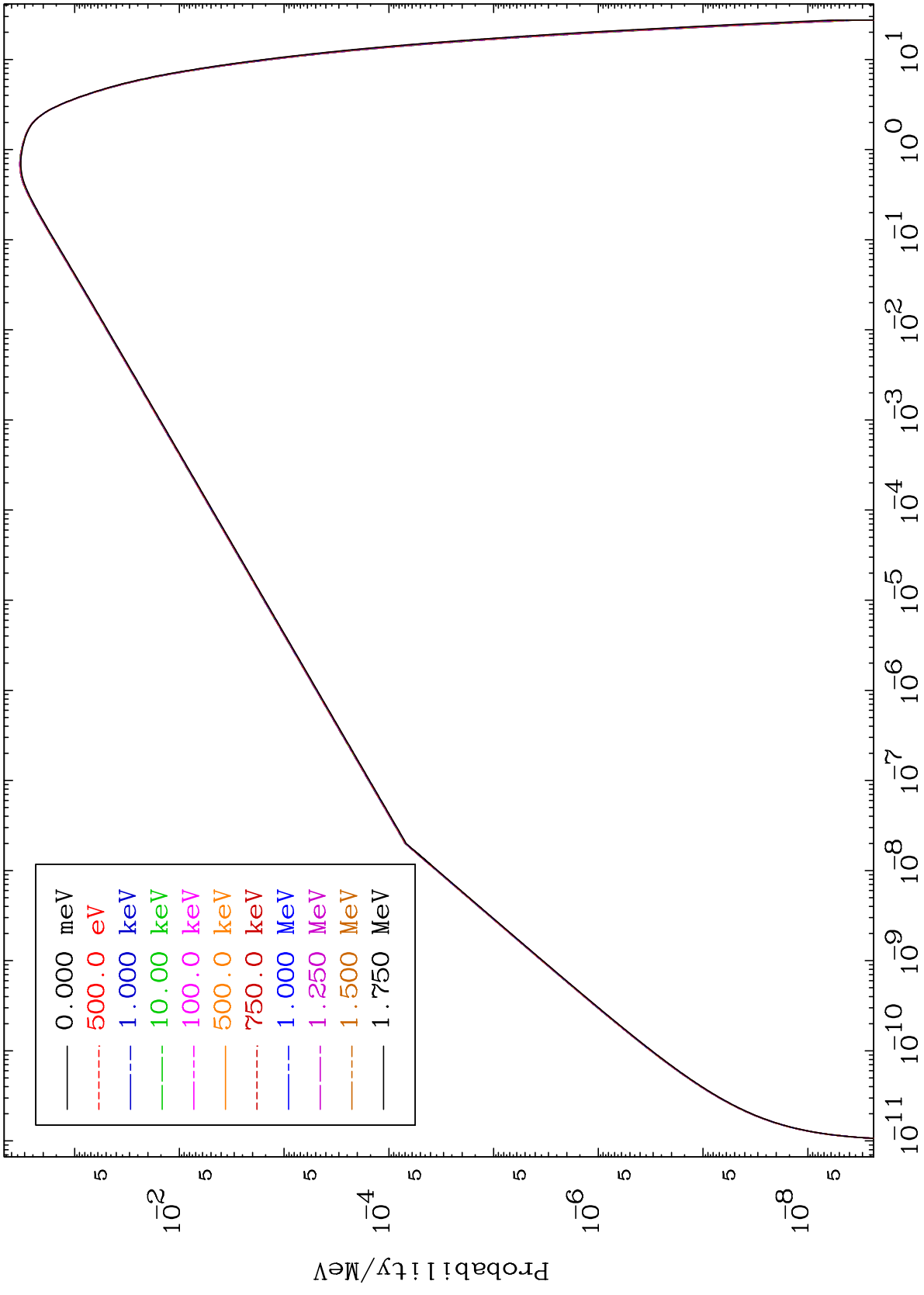
Incident Energy (MeV)

96-Cm-247

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Fission Energy Distribution

96-Cm-247



- 0.000 meV
- 500.0 eV
- 1.000 keV
- 10.00 keV
- 100.0 keV
- 500.0 keV
- 750.0 keV
- 1.000 MeV
- 1.250 MeV
- 1.500 MeV
- 1.750 MeV

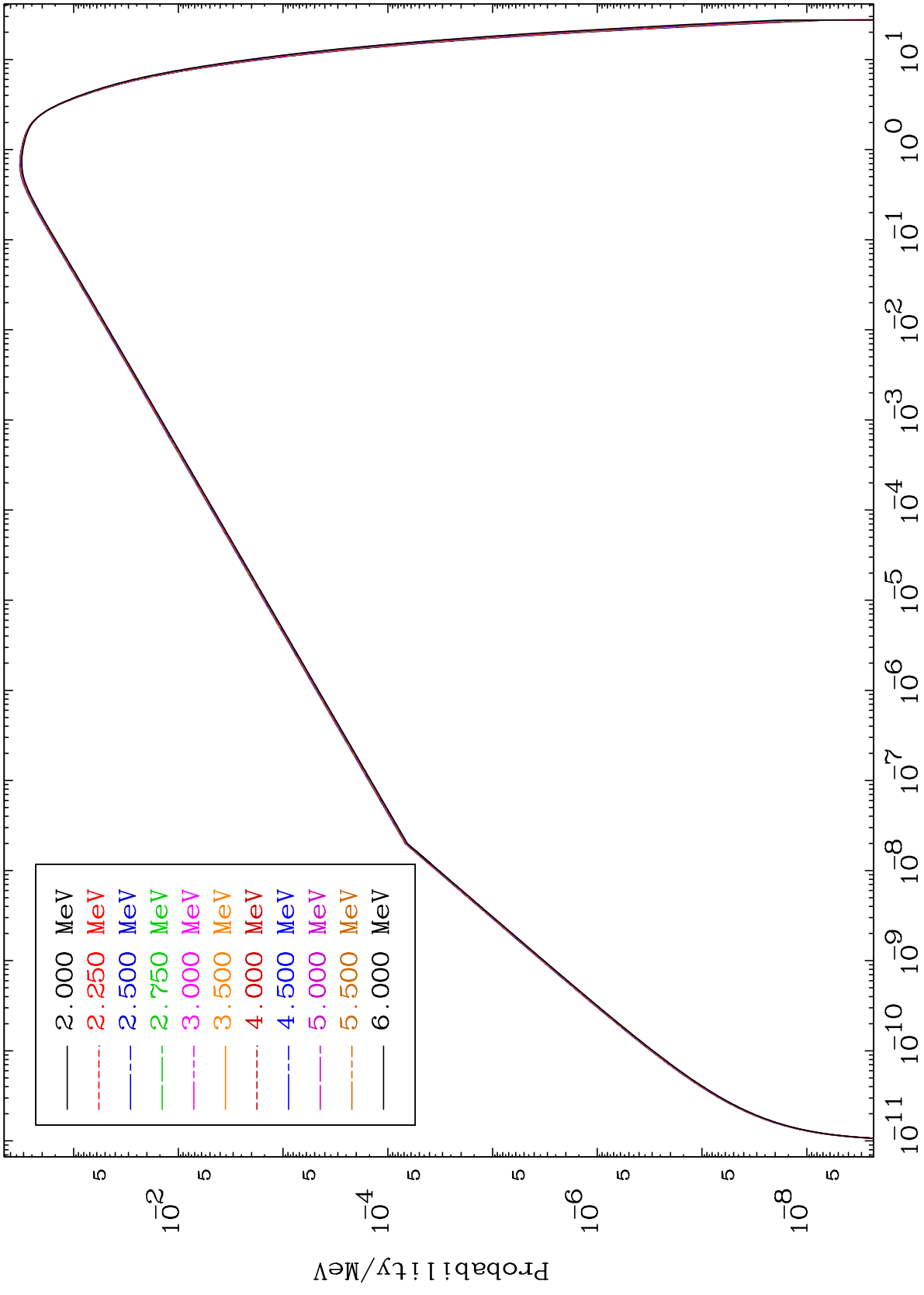
96-Cm-247

Secondary Energy (MeV)

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Fission Energy Distribution

96-Cm-247

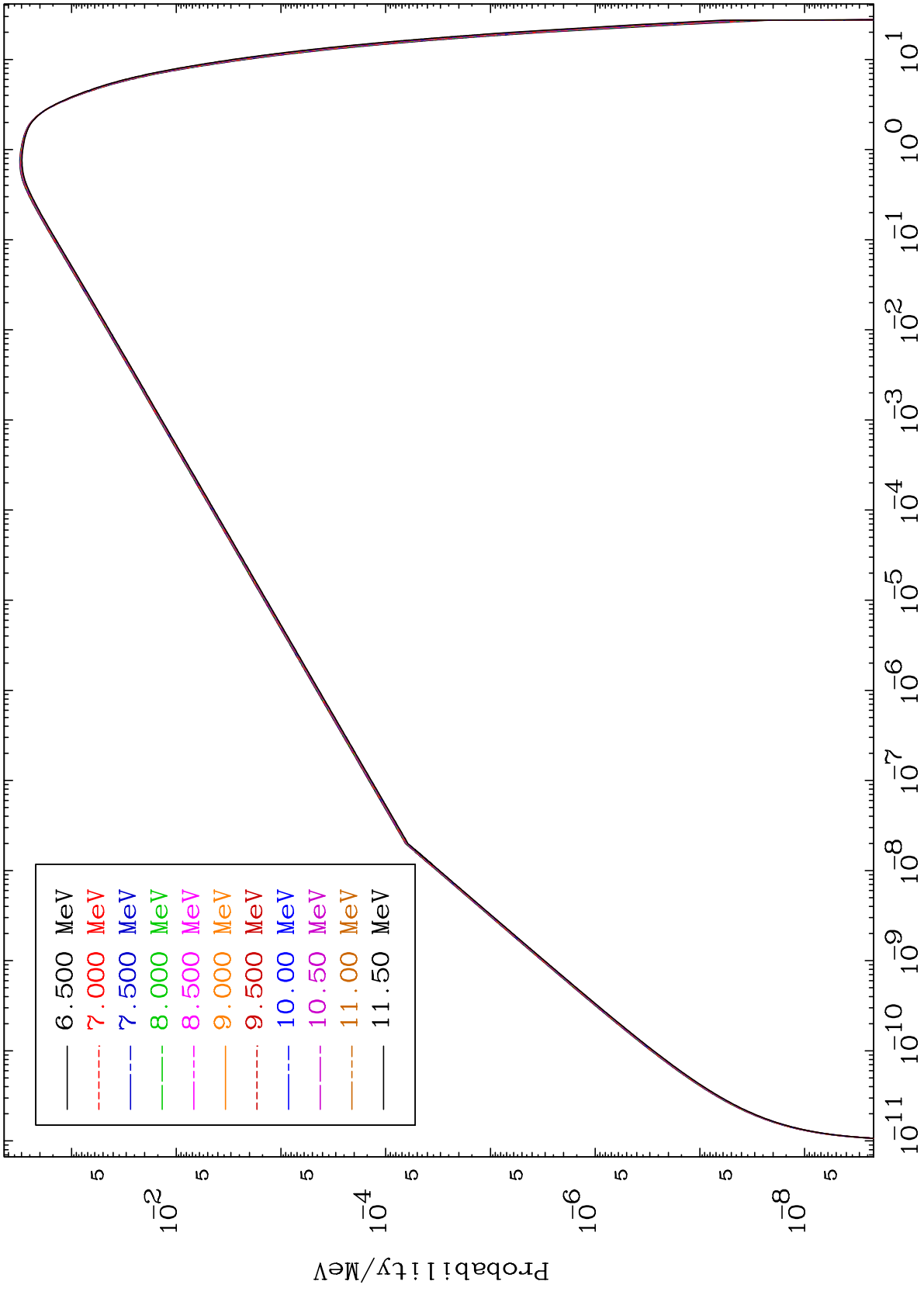


96-Cm-247

MAT 9646

Fission Energy Distribution

96-Cm-247

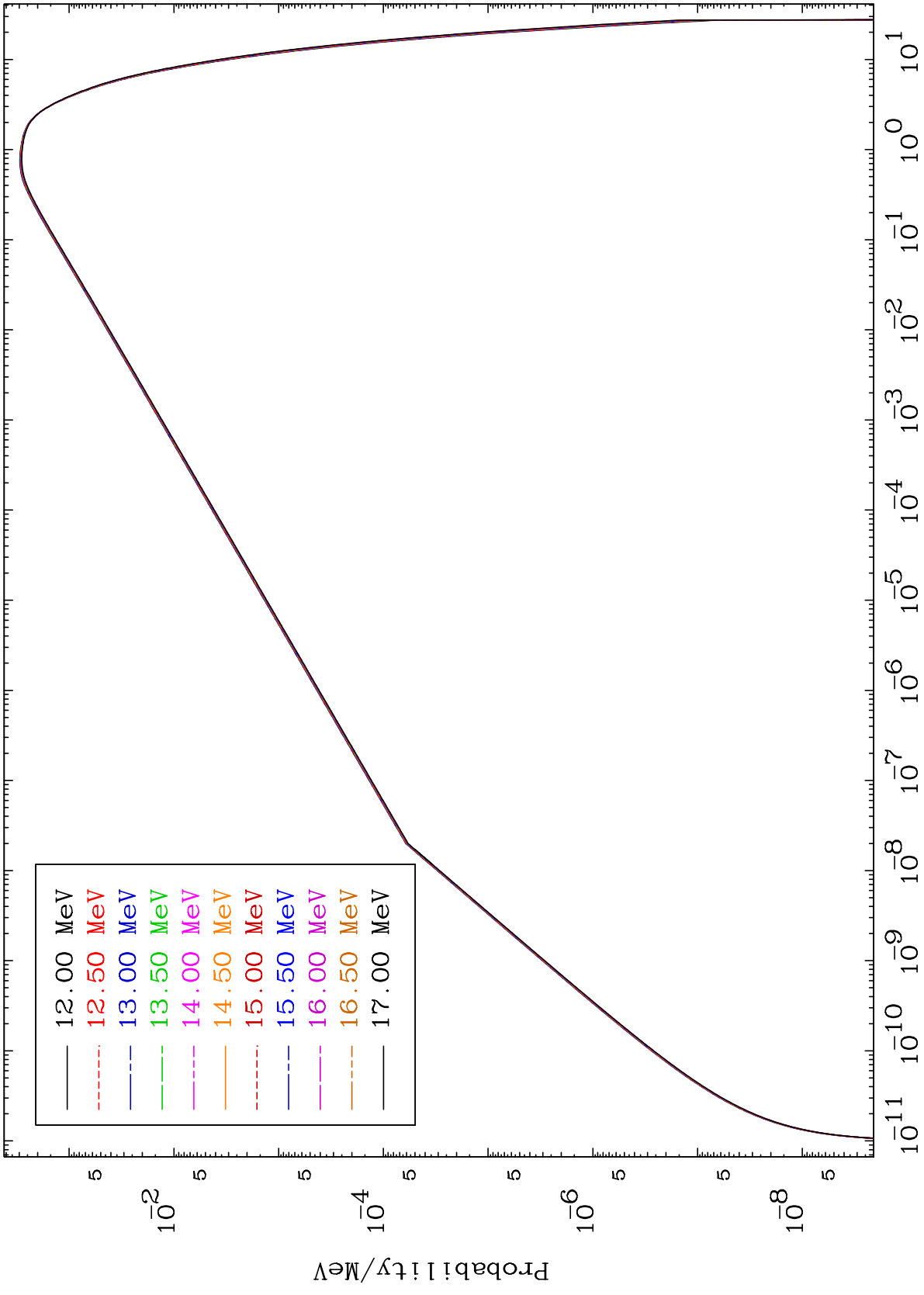


96-Cm-247

MAT 9646

Fission Energy Distribution

96-Cm-247



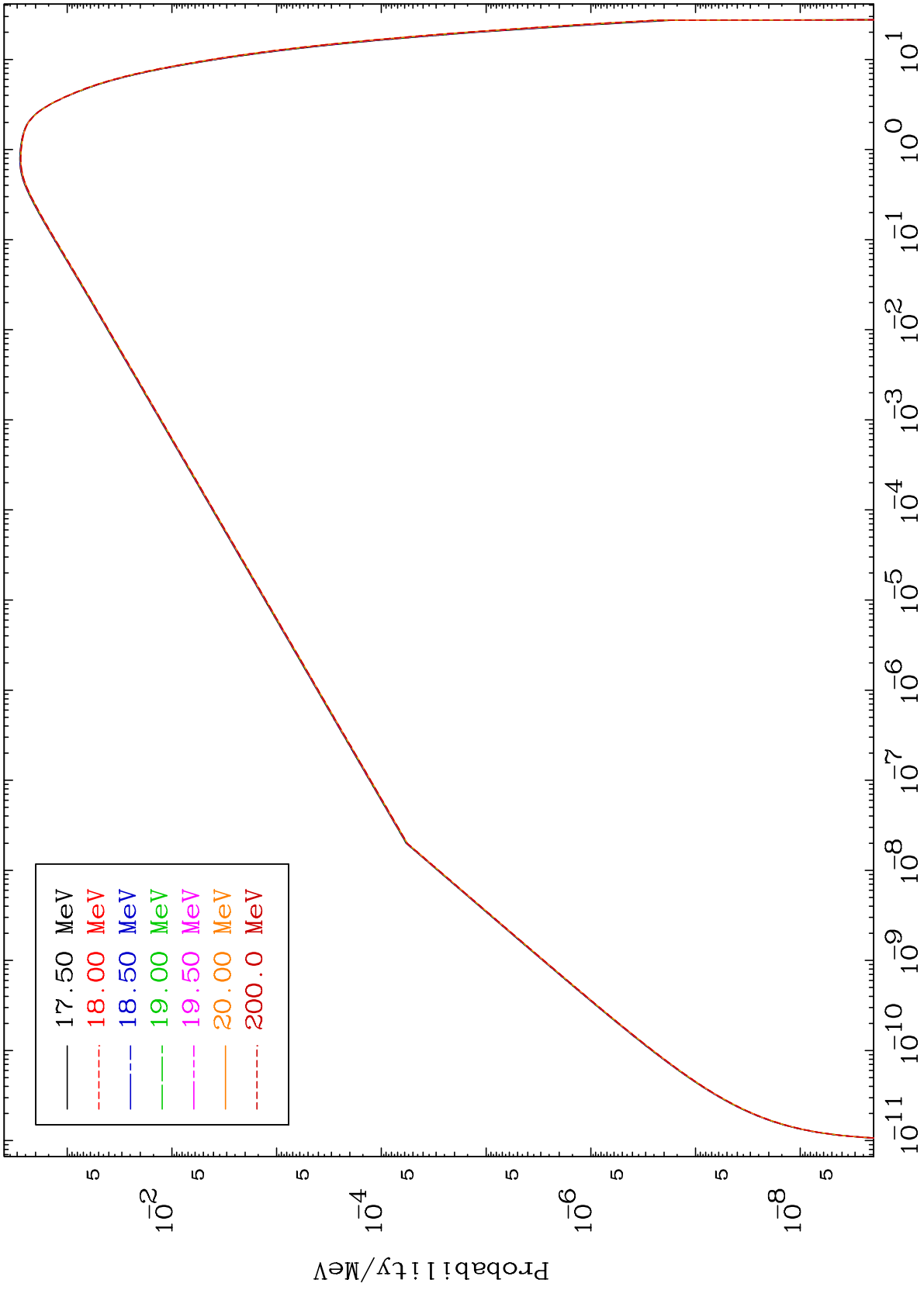
96-Cm-247

Secondary Energy (MeV)

MAT 9646

Fission Energy Distribution

96-Cm-247



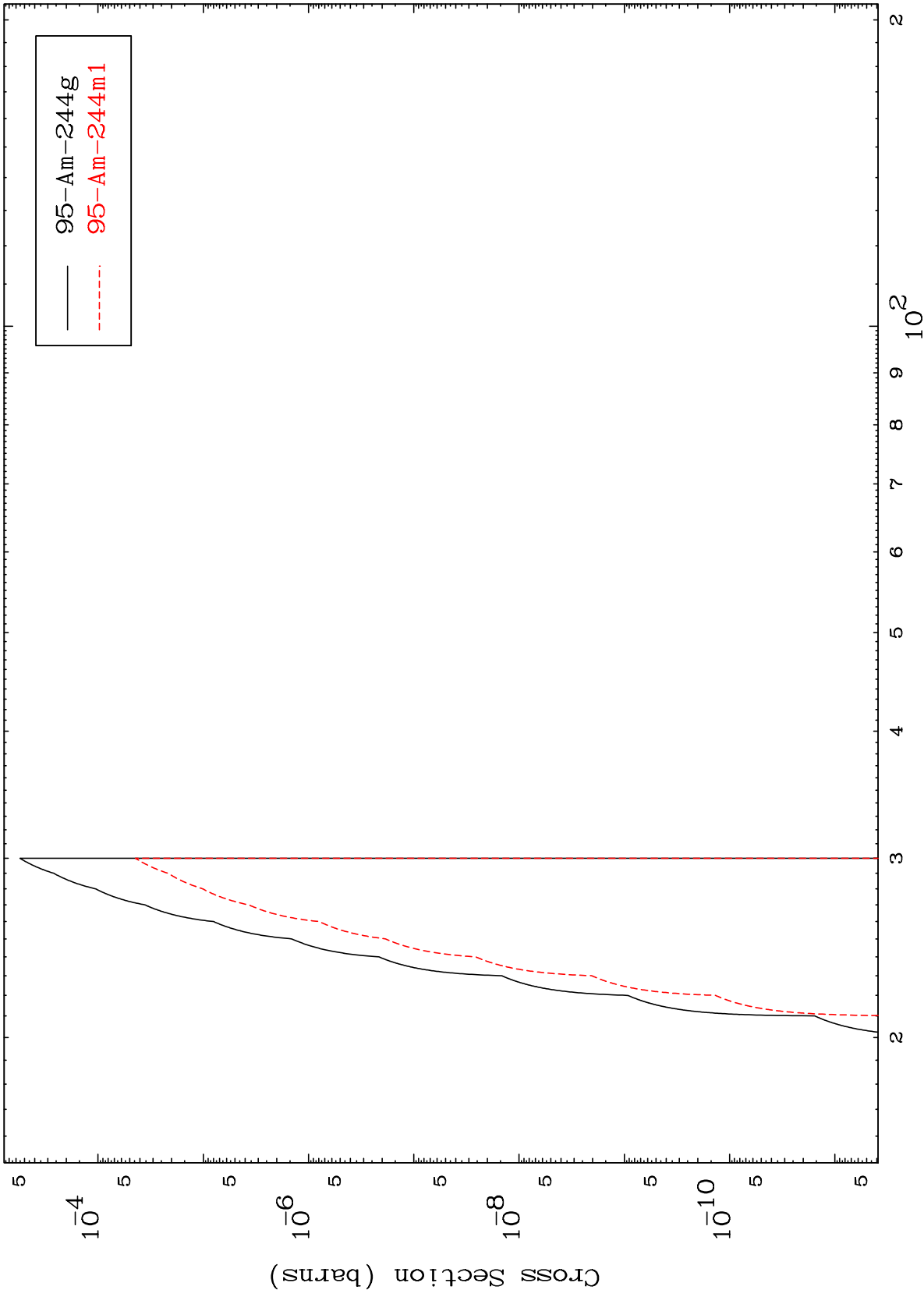
- 17.50 MeV
- 18.00 MeV
- 18.50 MeV
- 19.00 MeV
- 19.50 MeV
- 20.00 MeV
- 200.0 MeV

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(n,2n) d

96-Cm-247

Radionuclide Production Cross Section



27

Incident Energy (MeV)

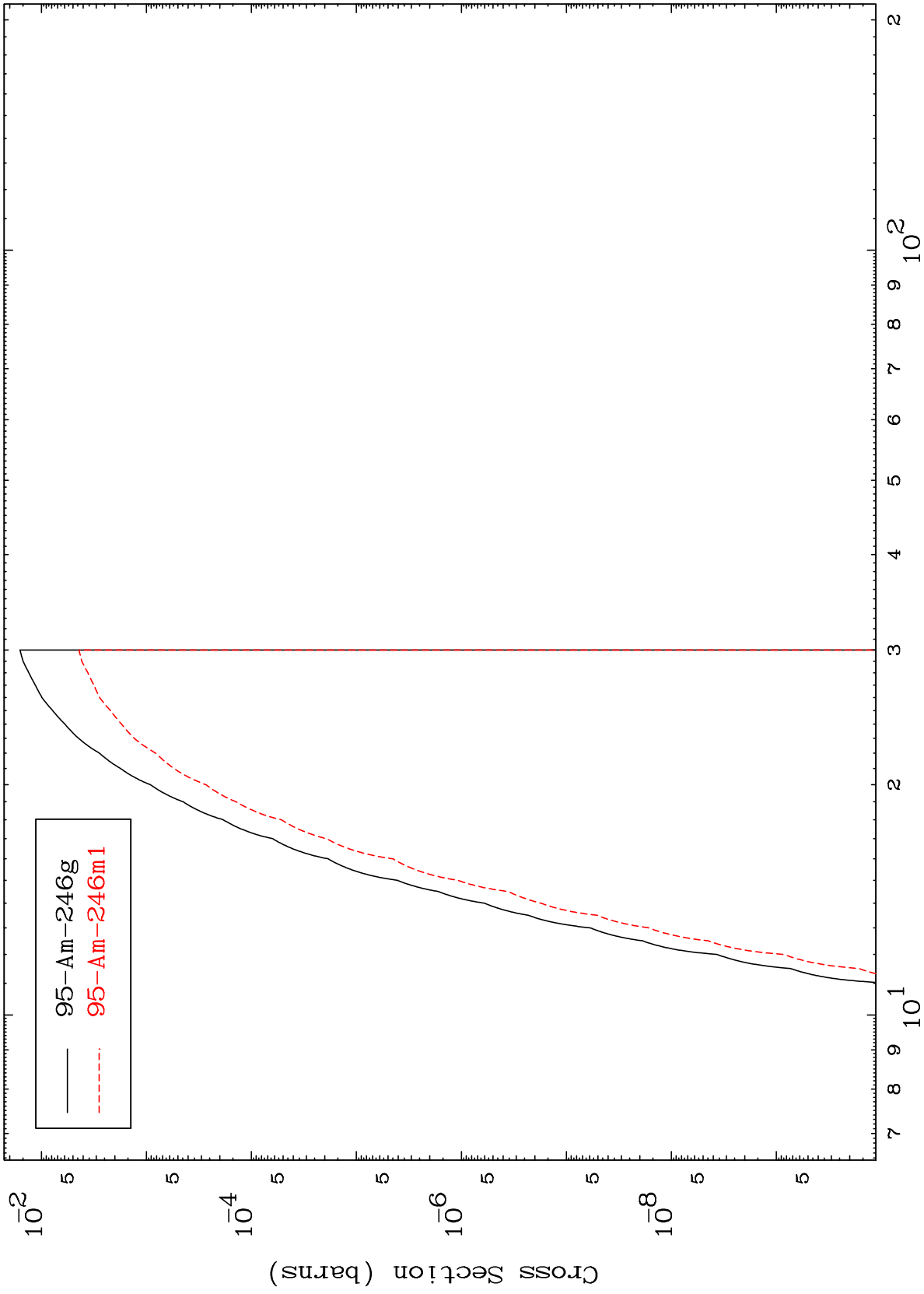
96-Cm-247

MAT 9646

(n,n') p

96-Cm-247

Radionuclide Production Cross Section



28

Incident Energy (MeV)

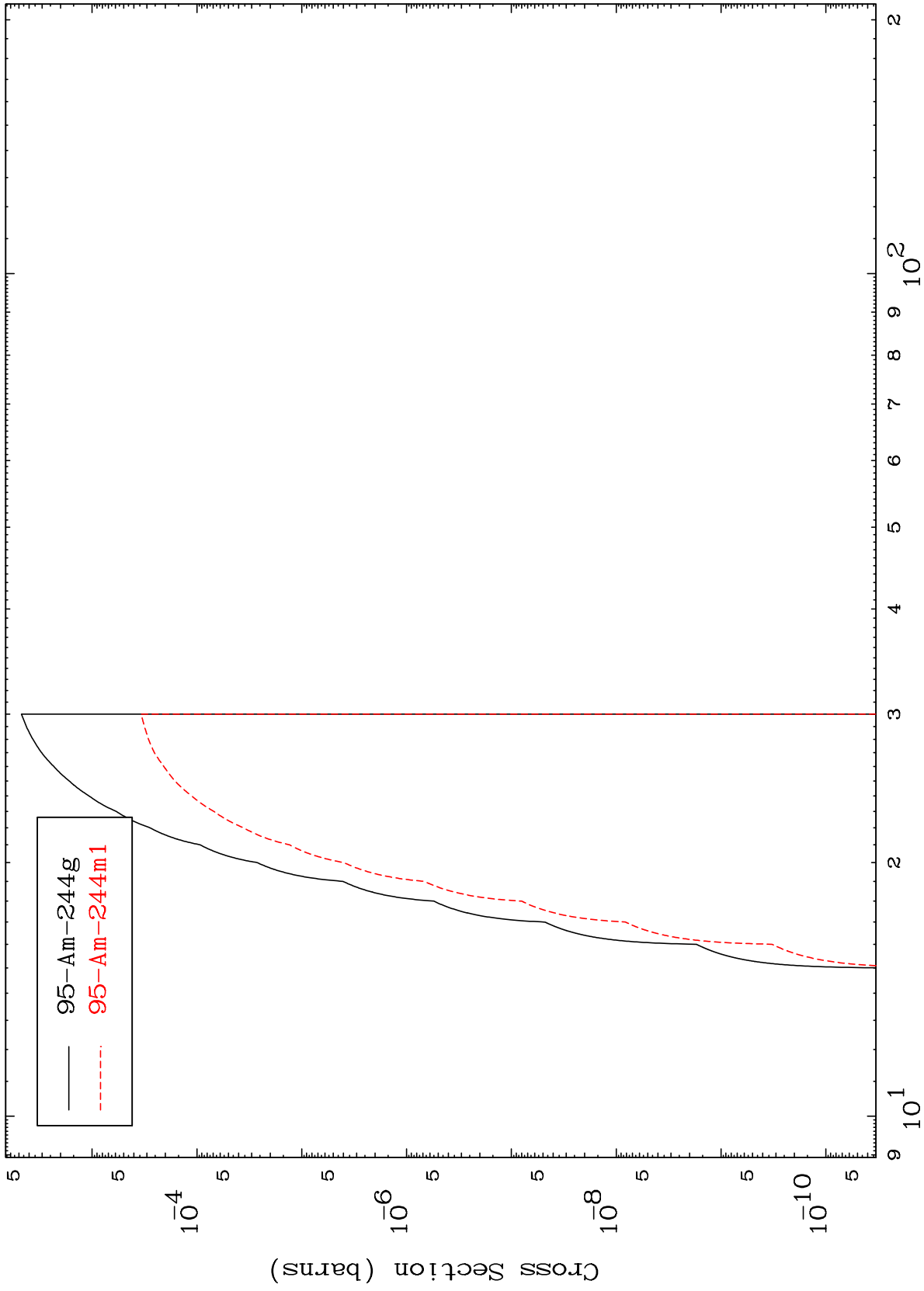
96-Cm-247

MAT 9646

(n,n') t

96-Cm-247

Radionuclide Production Cross Section



29

Incident Energy (MeV)

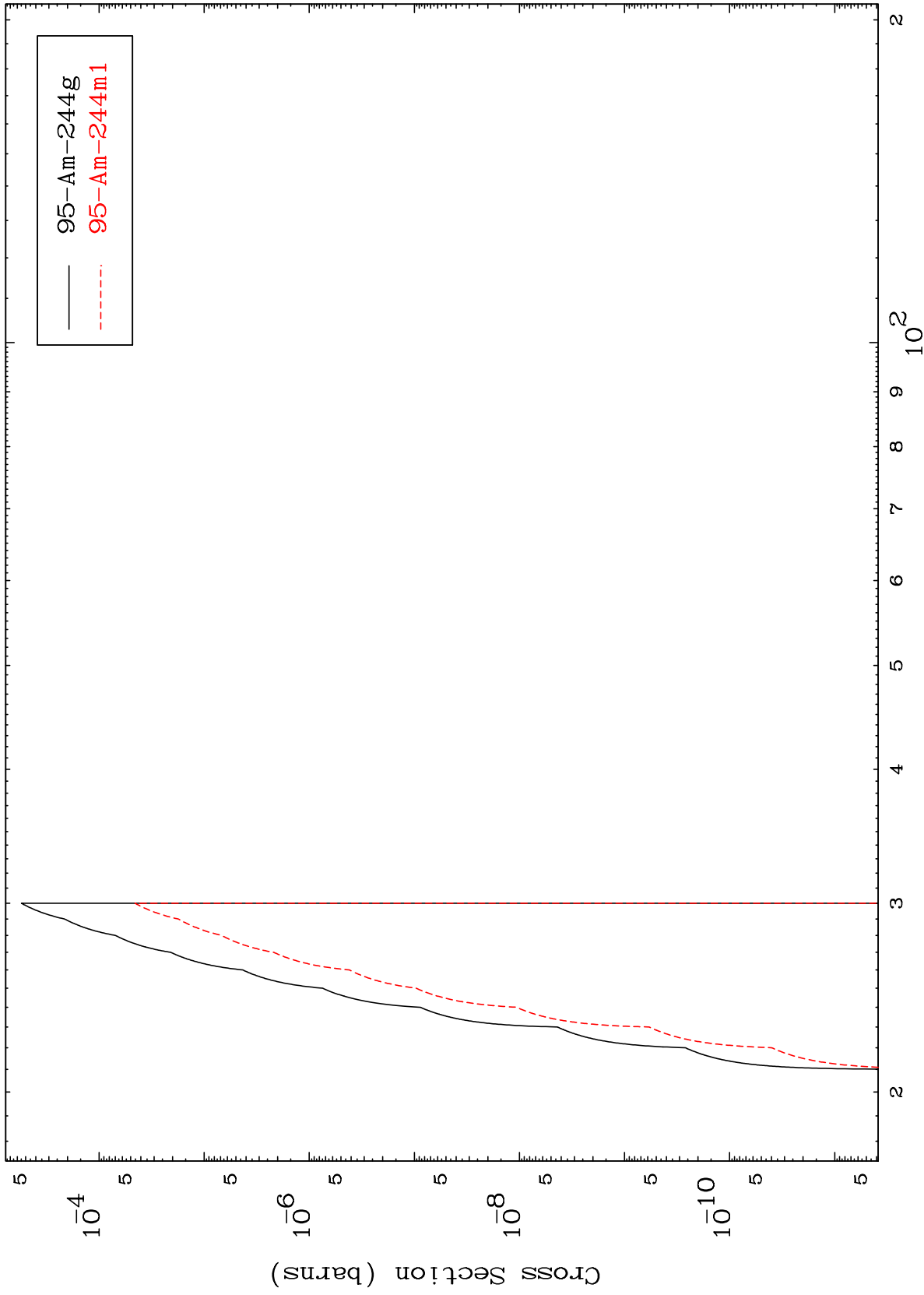
96-Cm-247

MAT 9646

(n,3n) p

96-Cm-247

Radionuclide Production Cross Section



30

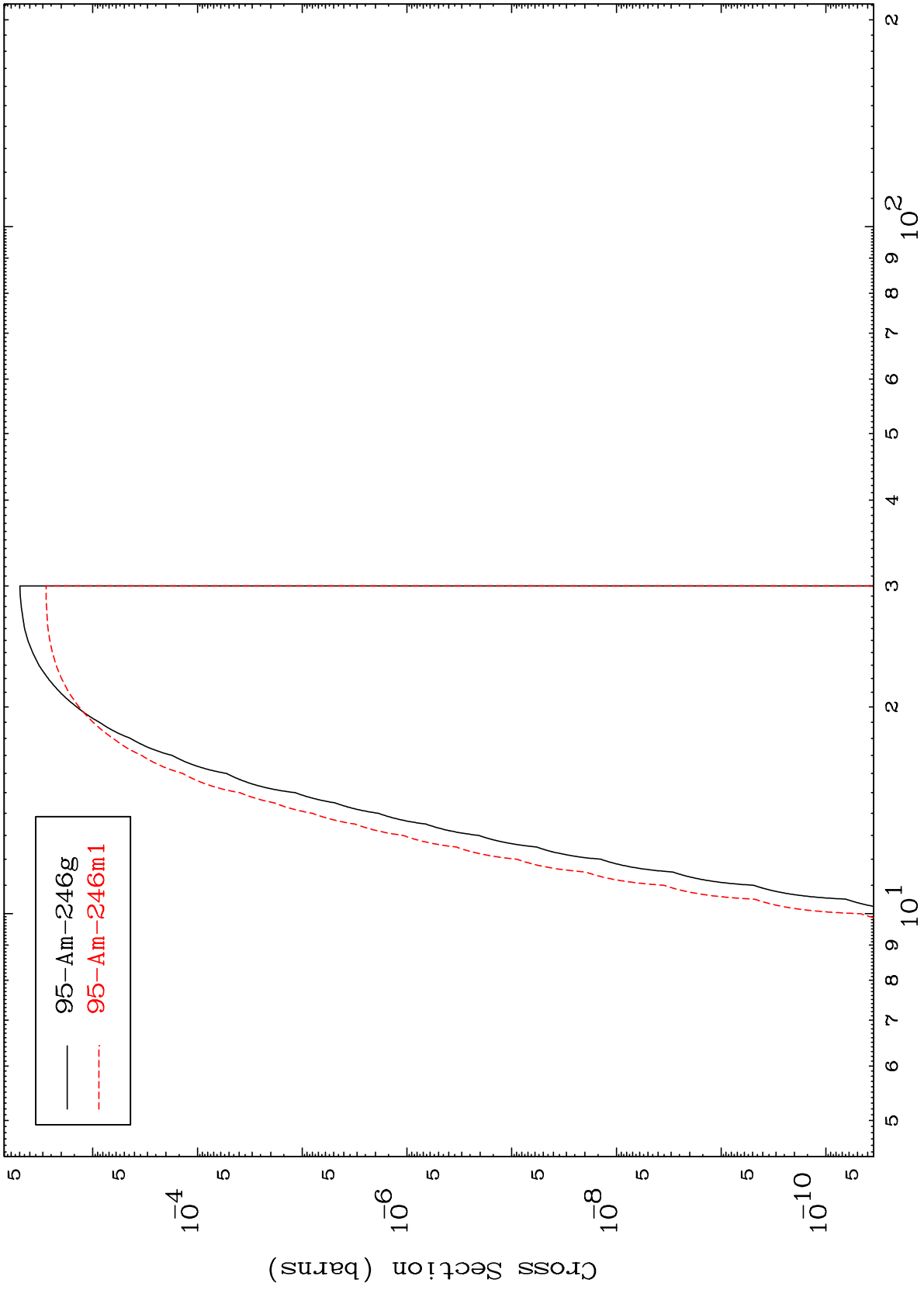
Incident Energy (MeV)

96-Cm-247

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96-Cm-247

(n,d)
Radionuclide Production Cross Section



31

Incident Energy (MeV)

96-Cm-247