

Program EVALPLOT  
(Version 2018-1)

by

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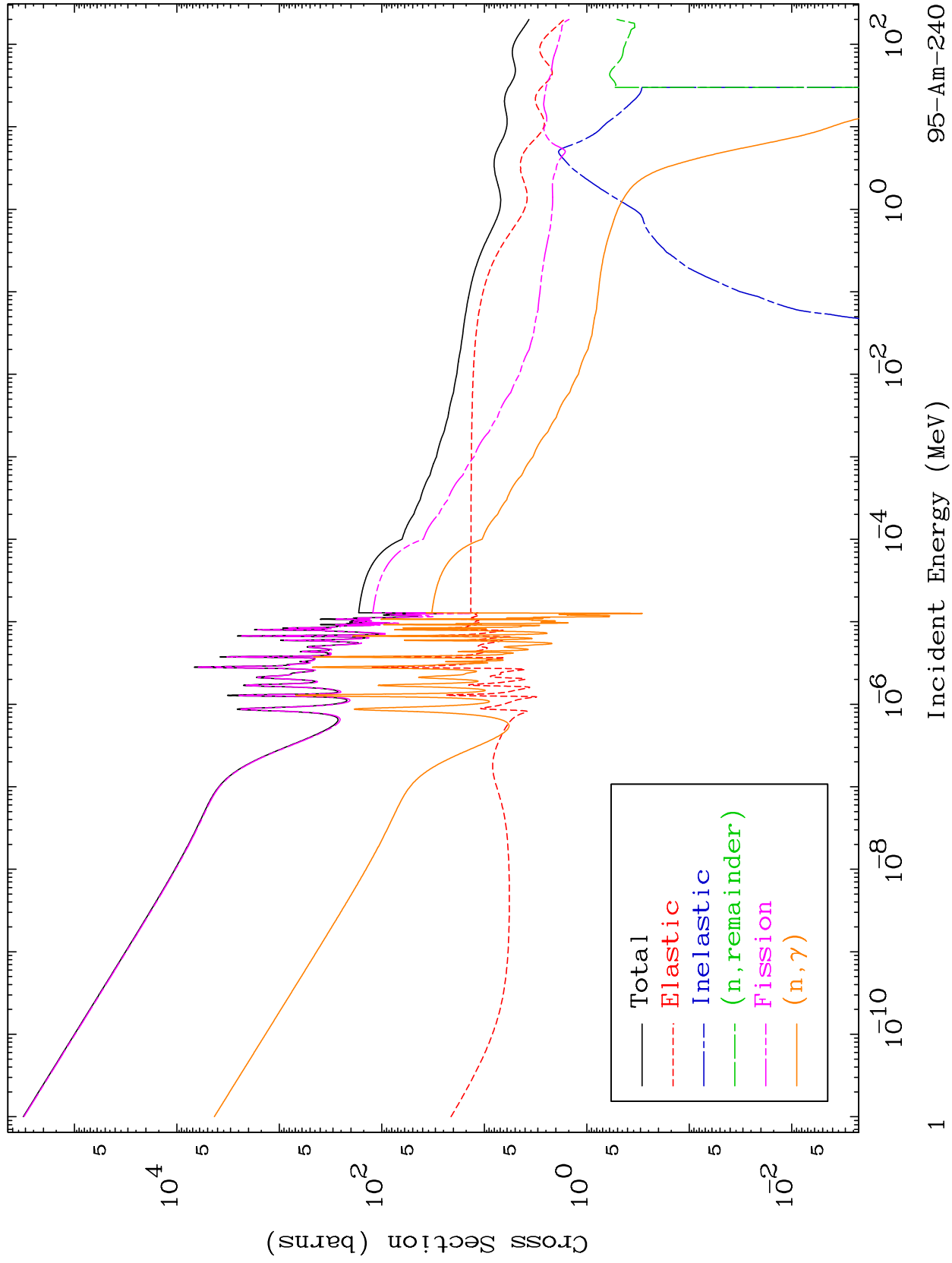
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9540

Major  
293 Kelvin Cross Sections

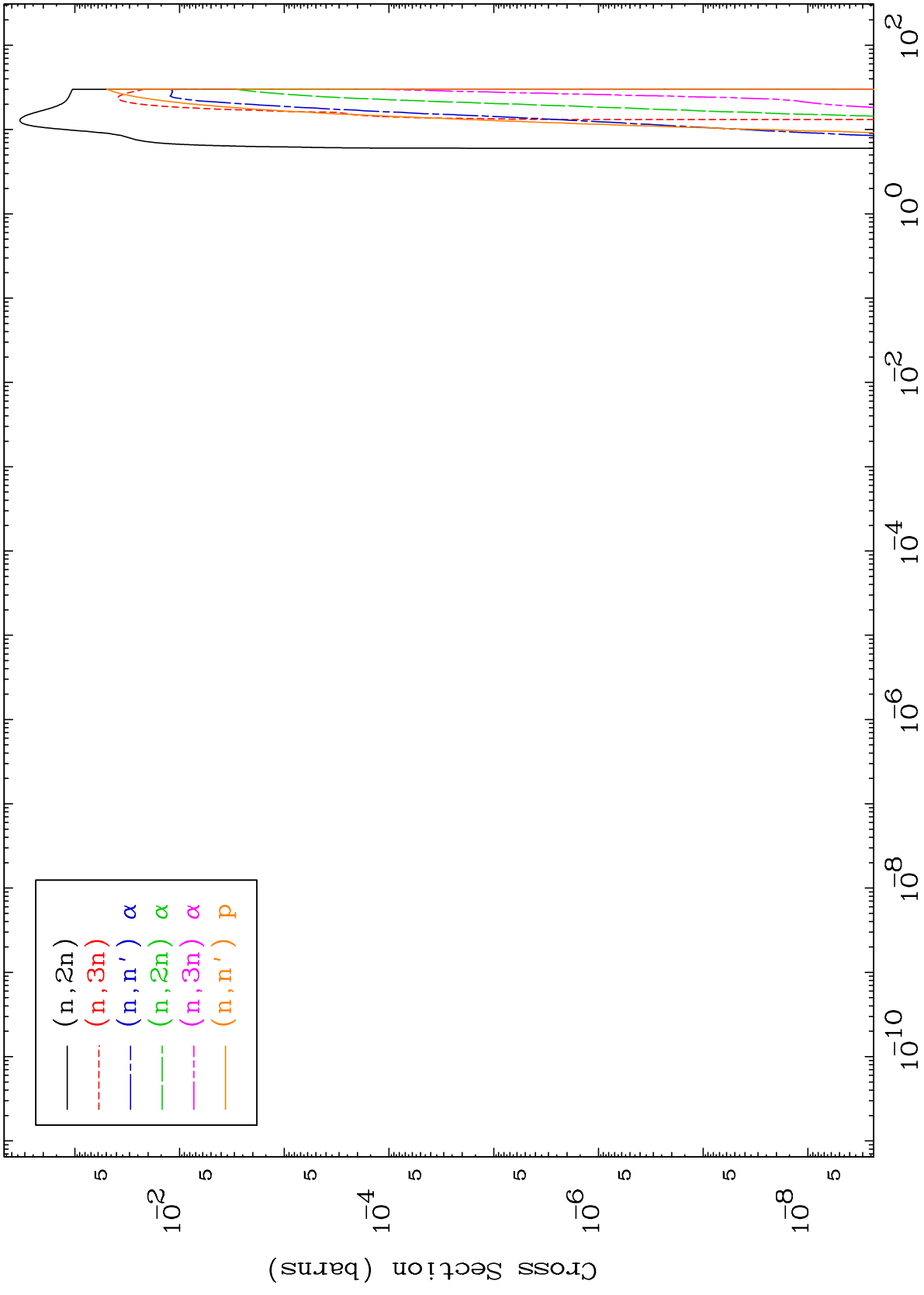
95-Am-240



MAT 9540

Neutron Production  
293 Kelvin Cross Sections

95-Am-240

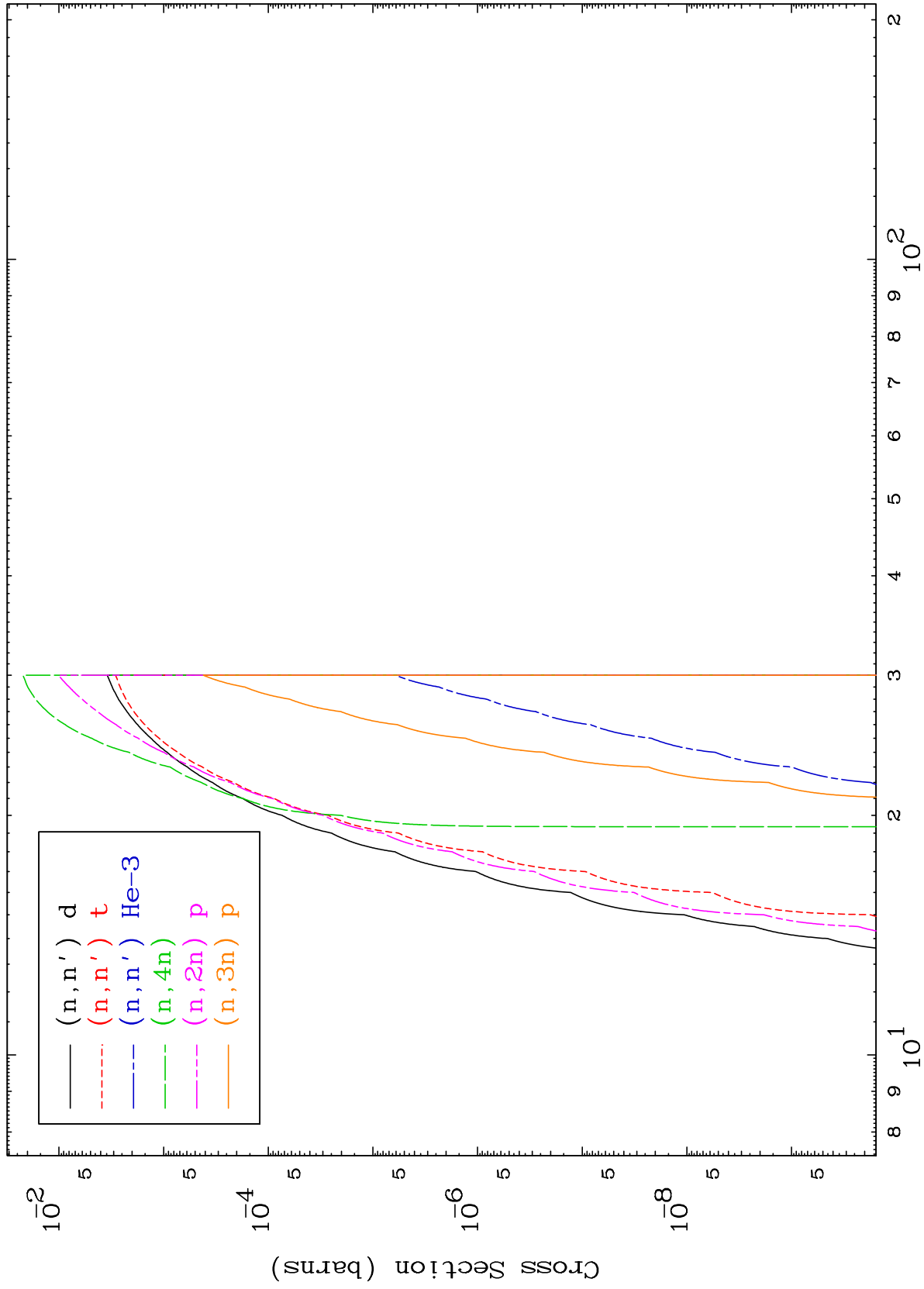


95-Am-240

MAT 9540

Neutron Production  
293 Kelvin Cross Sections

95-Am-240



3

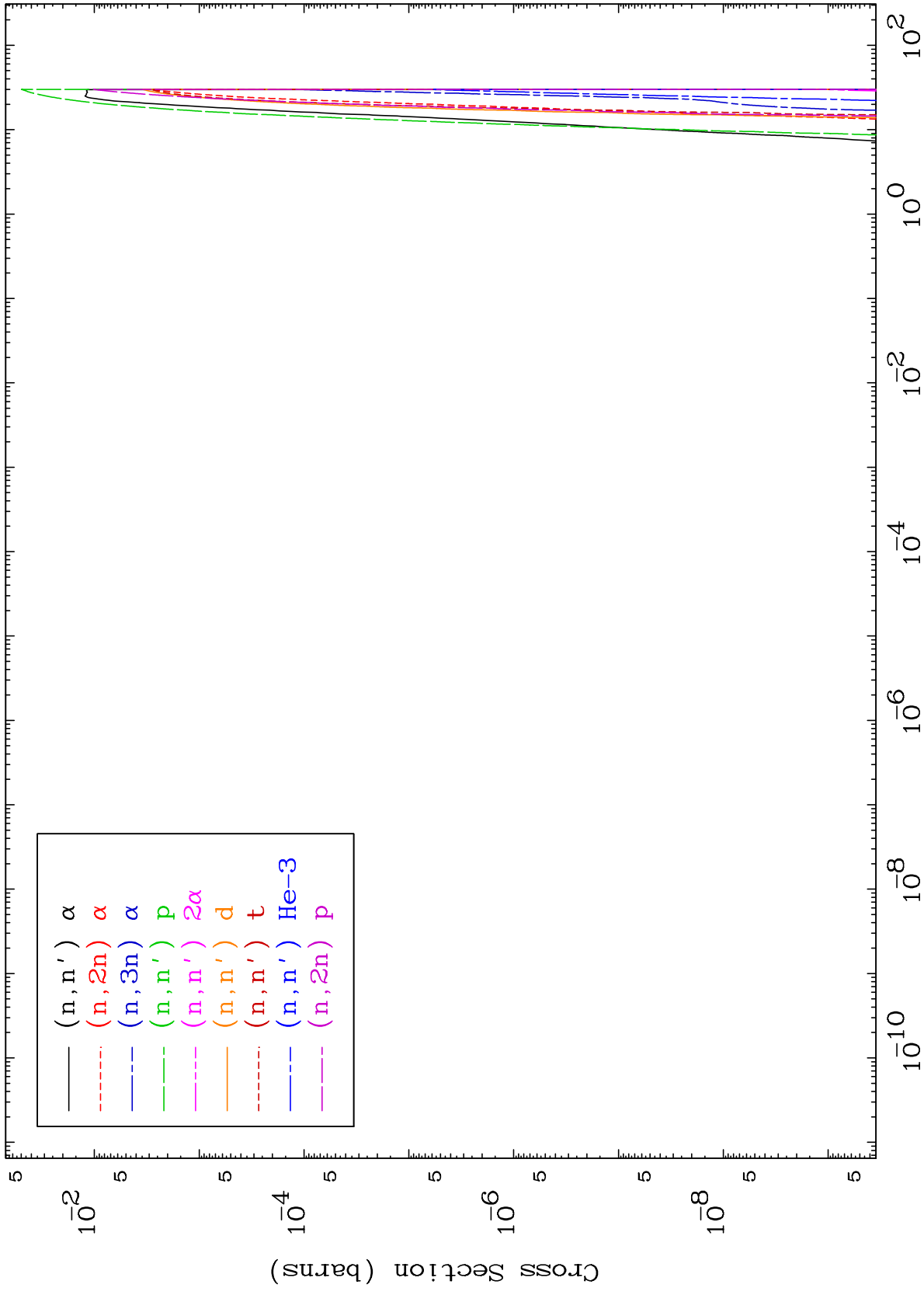
Incident Energy (MeV)

95-Am-240

MAT 9540

293 Charged Particle  
Kelvin Cross Sections

95-Am-240

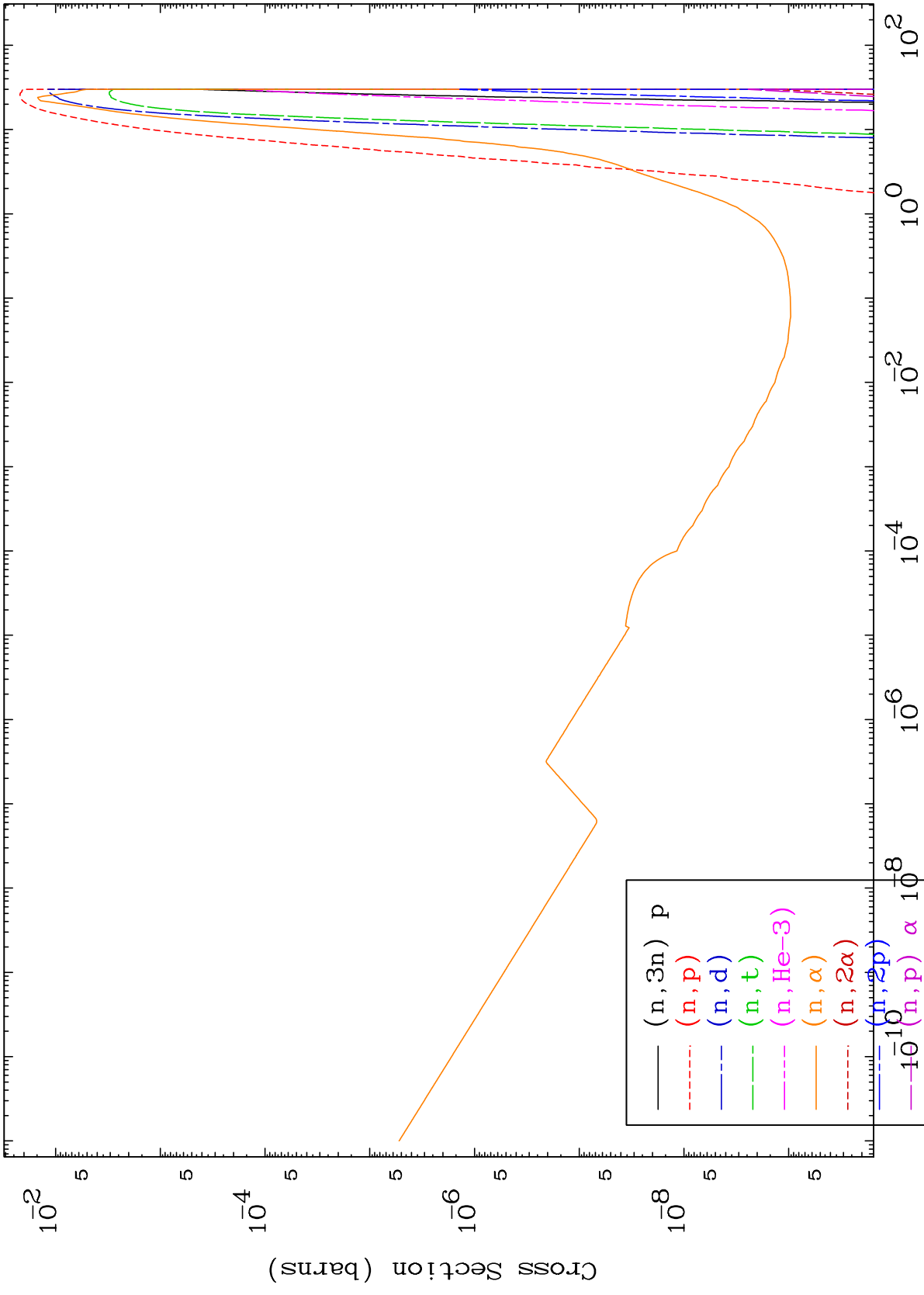


95-Am-240

MAT 9540

Charged Particle  
293 Kelvin Cross Sections

95-Am-240



95-Am-240

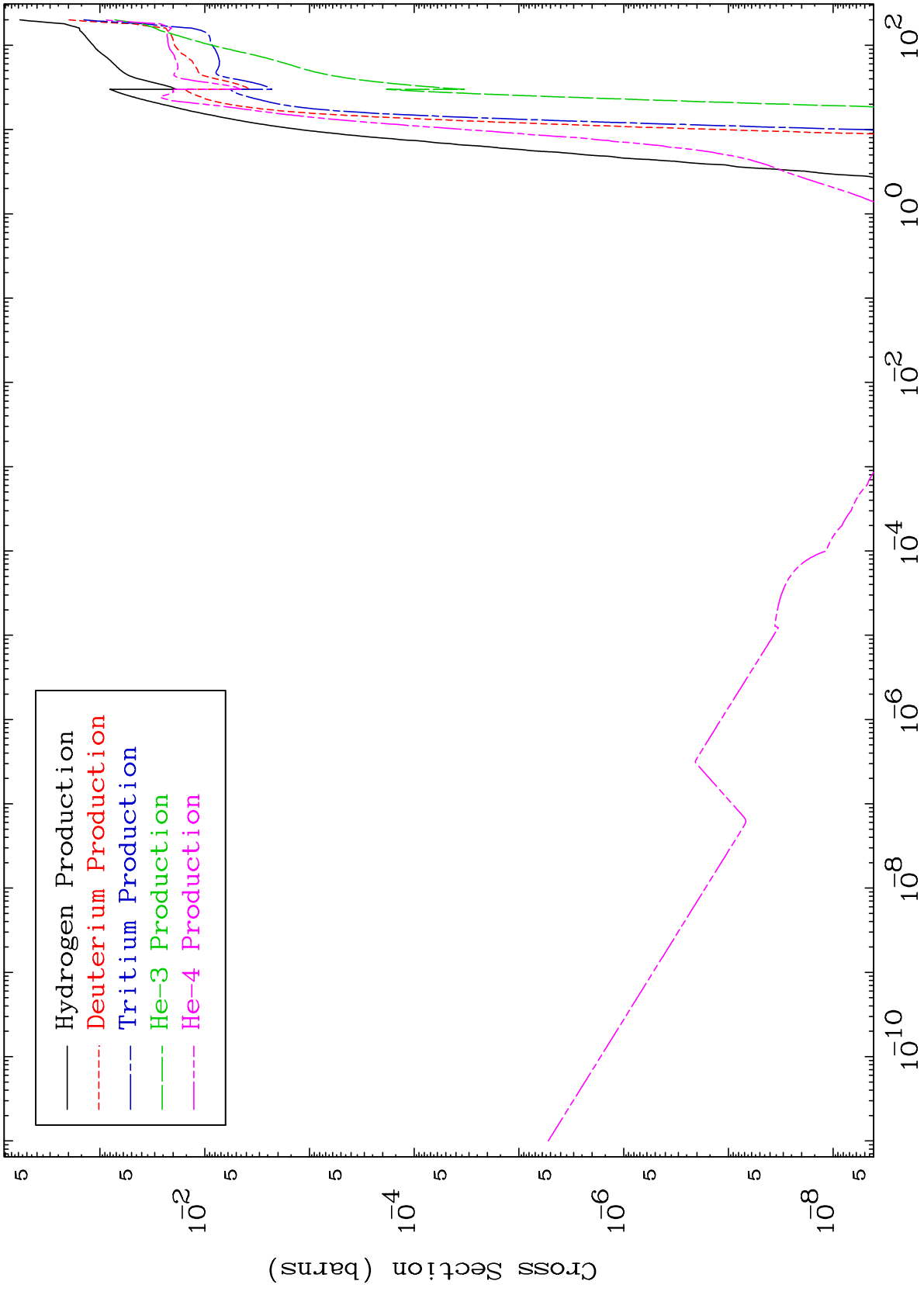
Incident Energy (MeV)

5

MAT 9540

Particle Production  
293 Kelvin Cross Sections

95-Am-240



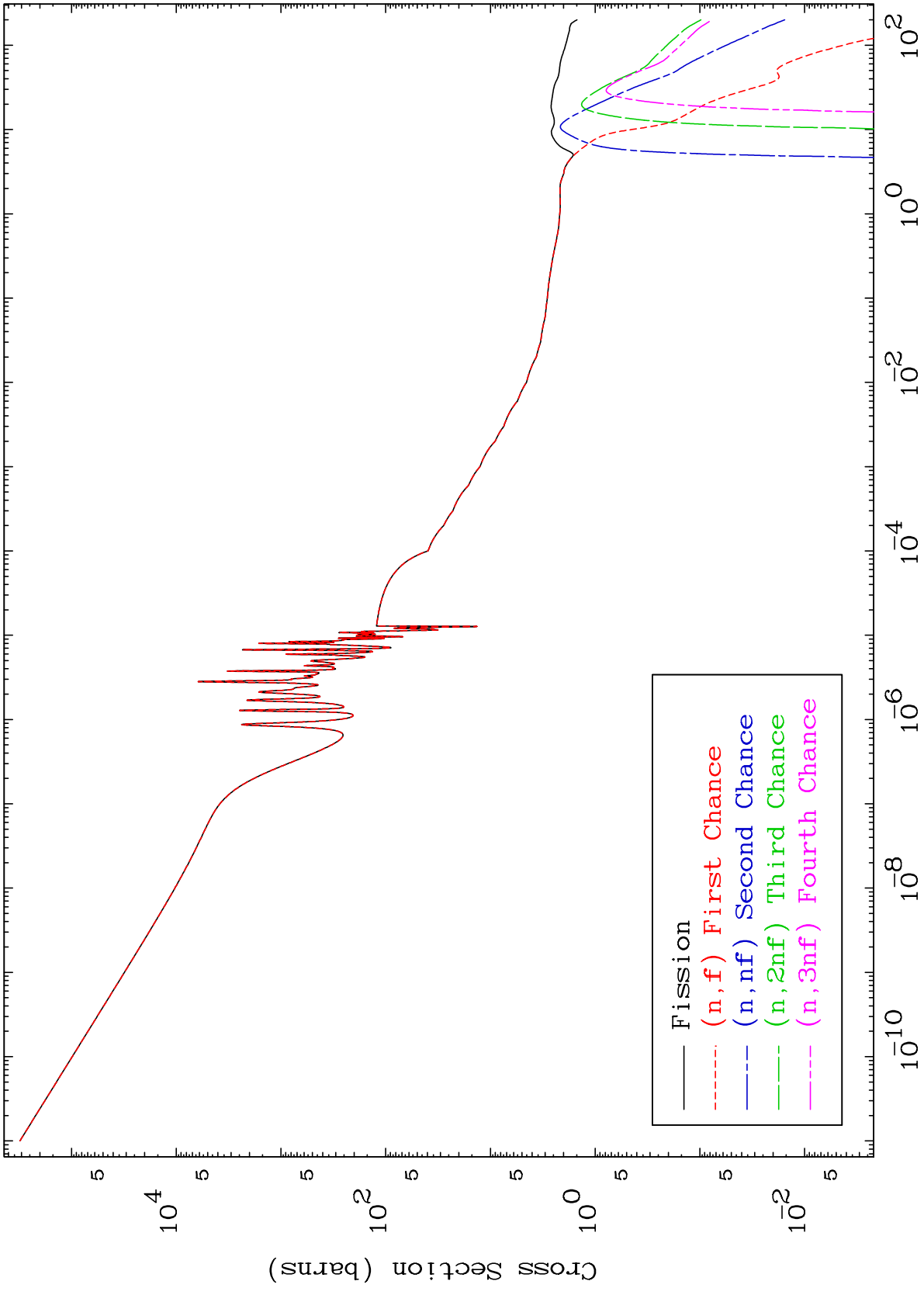
6

95-Am-240

MAT 9540

Fission  
293 Kelvin Cross Sections

95-Am-240



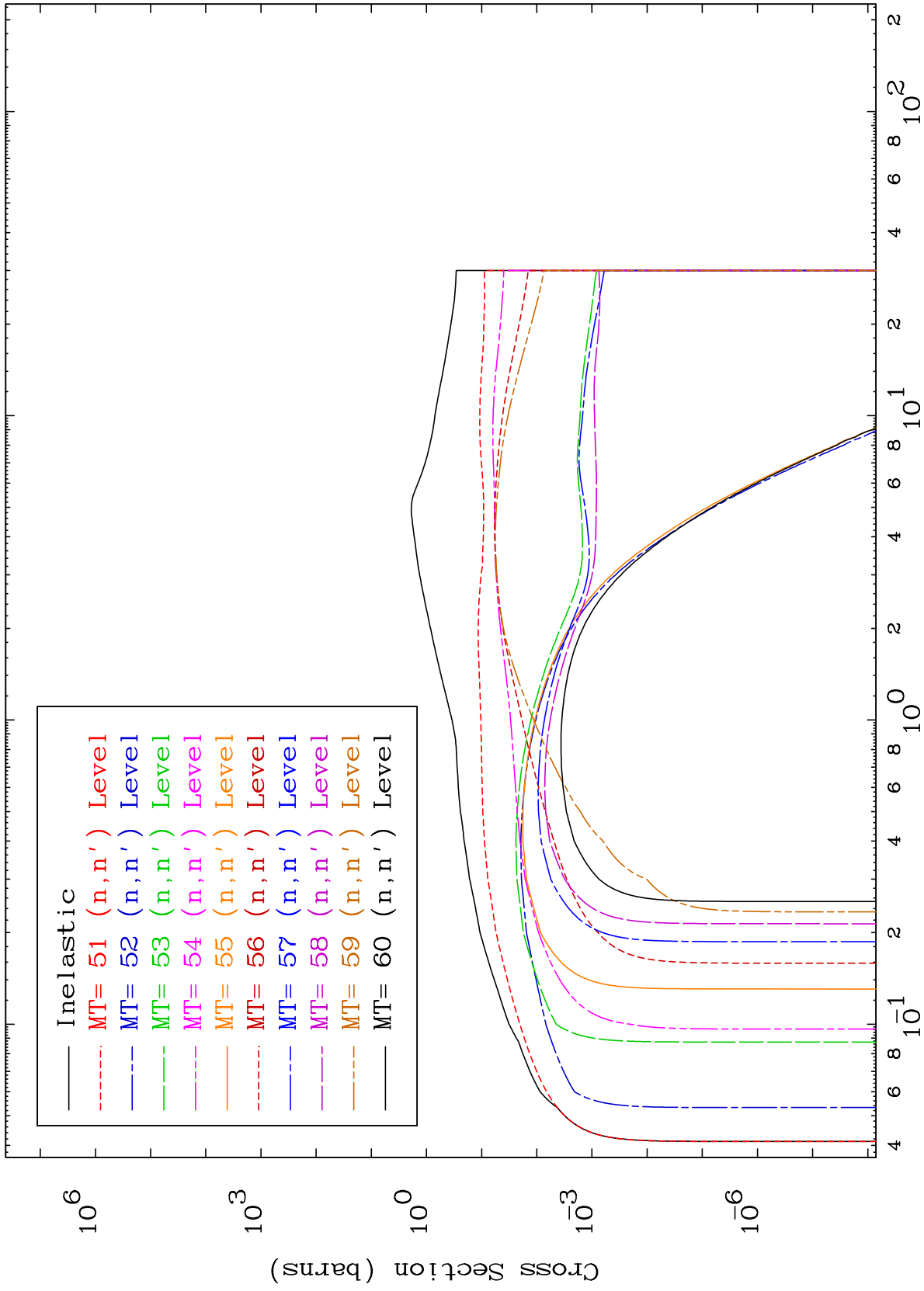
95-Am-240



MAT 9540

(n,n') Level  
293 Kelvin Cross Sections

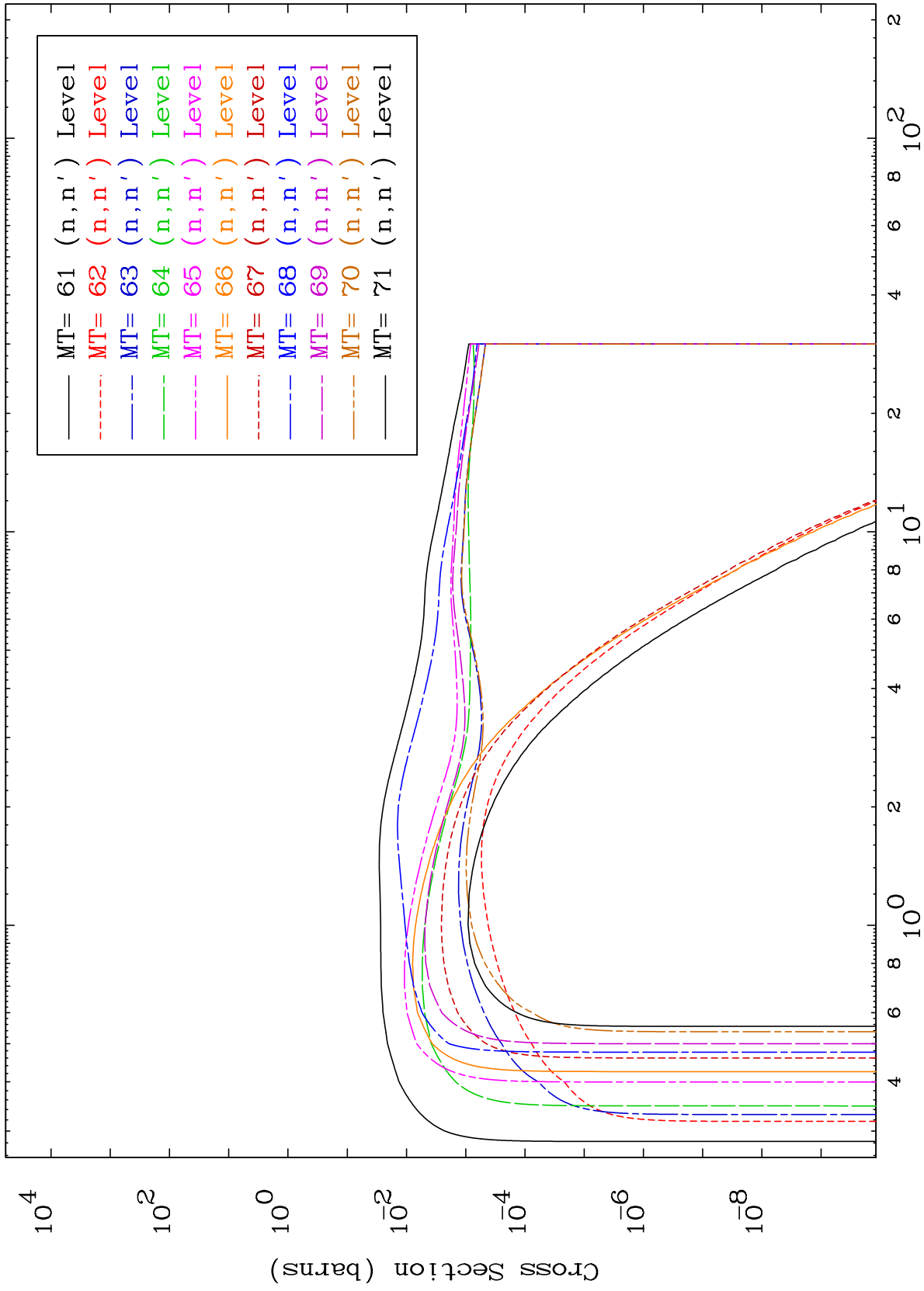
95-Am-240



MAT 9540

(n,n') Level  
293 Kelvin Cross Sections

95-Am-240



9

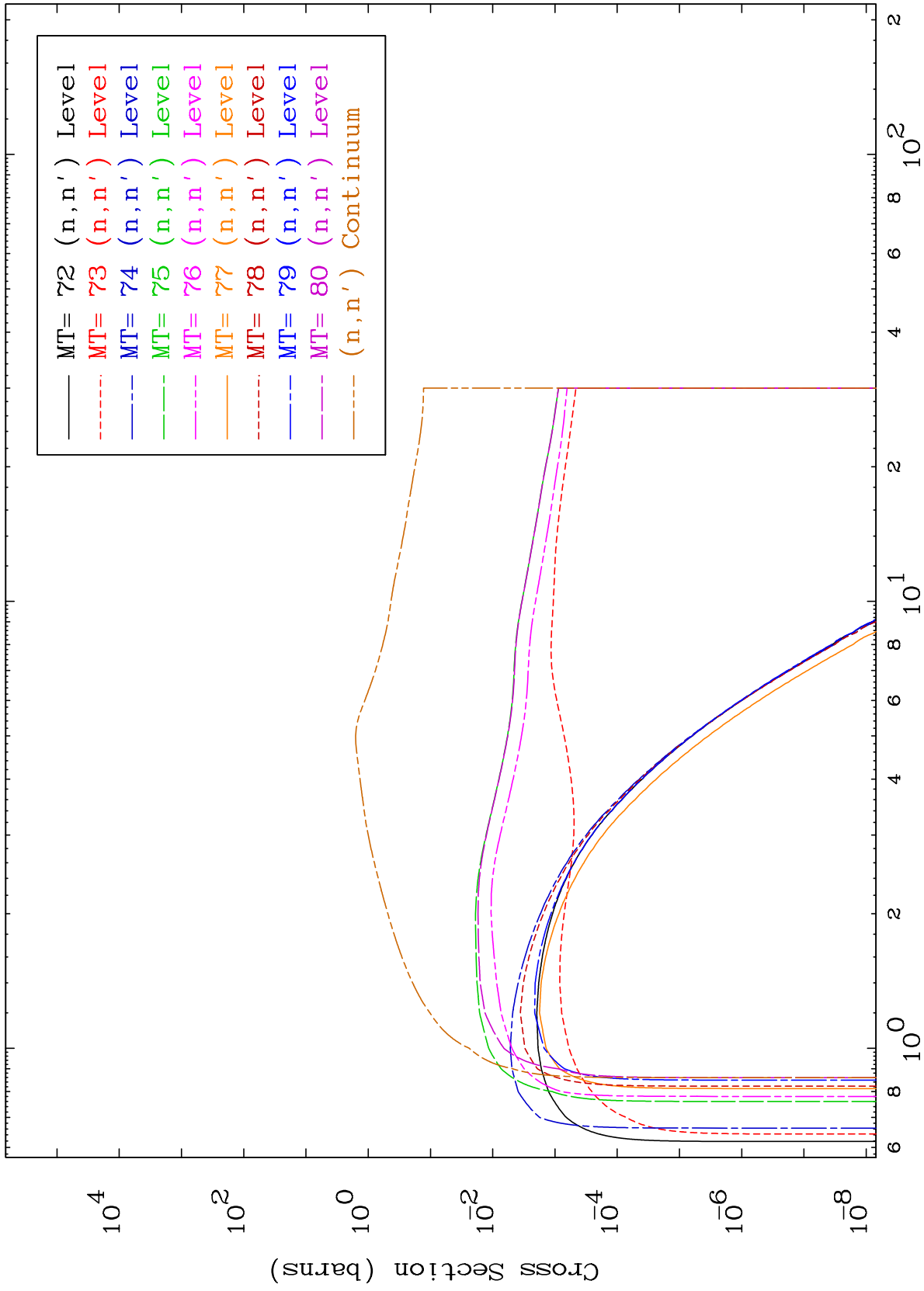
Incident Energy (MeV)

95-Am-240

MAT 9540

(n,n') Level  
293 Kelvin Cross Sections

95-Am-240



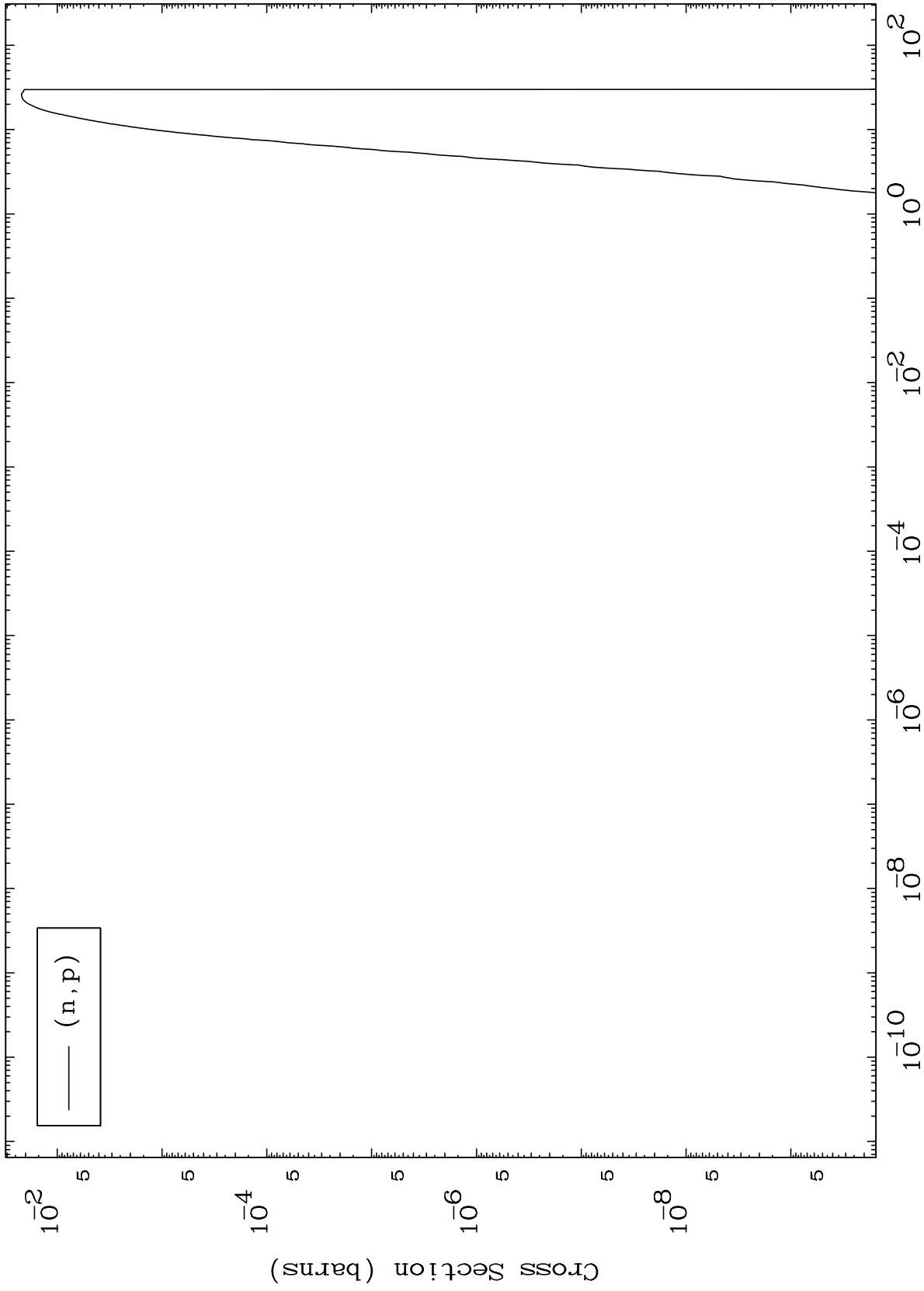
Incident Energy (MeV)

95-Am-240

MAT 9540

(n,p) Levels  
293 Kelvin Cross Sections

95-Am-240



11

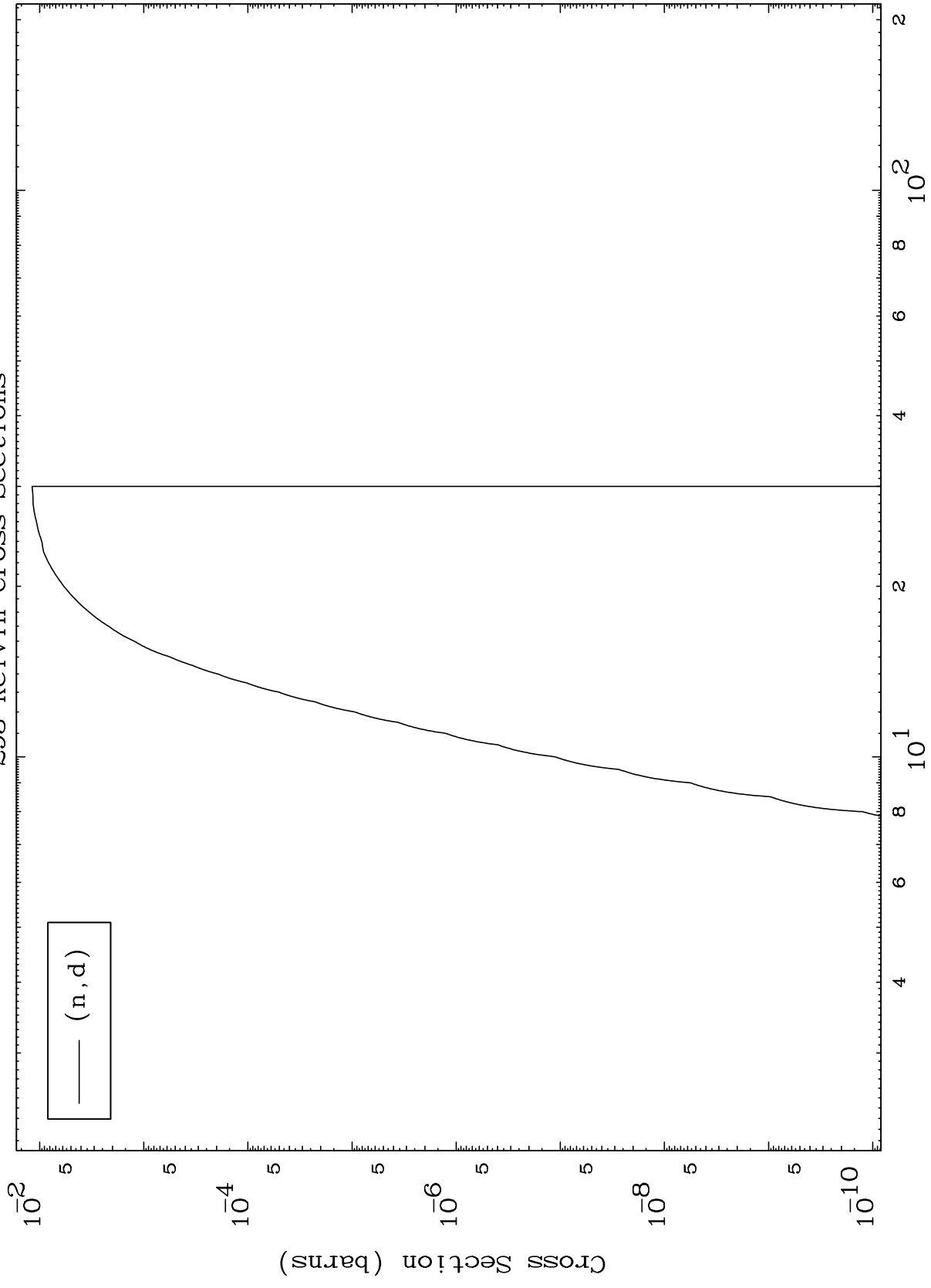
Incident Energy (MeV)

95-Am-240

MAT 9540

(n,d) Levels  
293 Kelvin Cross Sections

95-Am-240



12

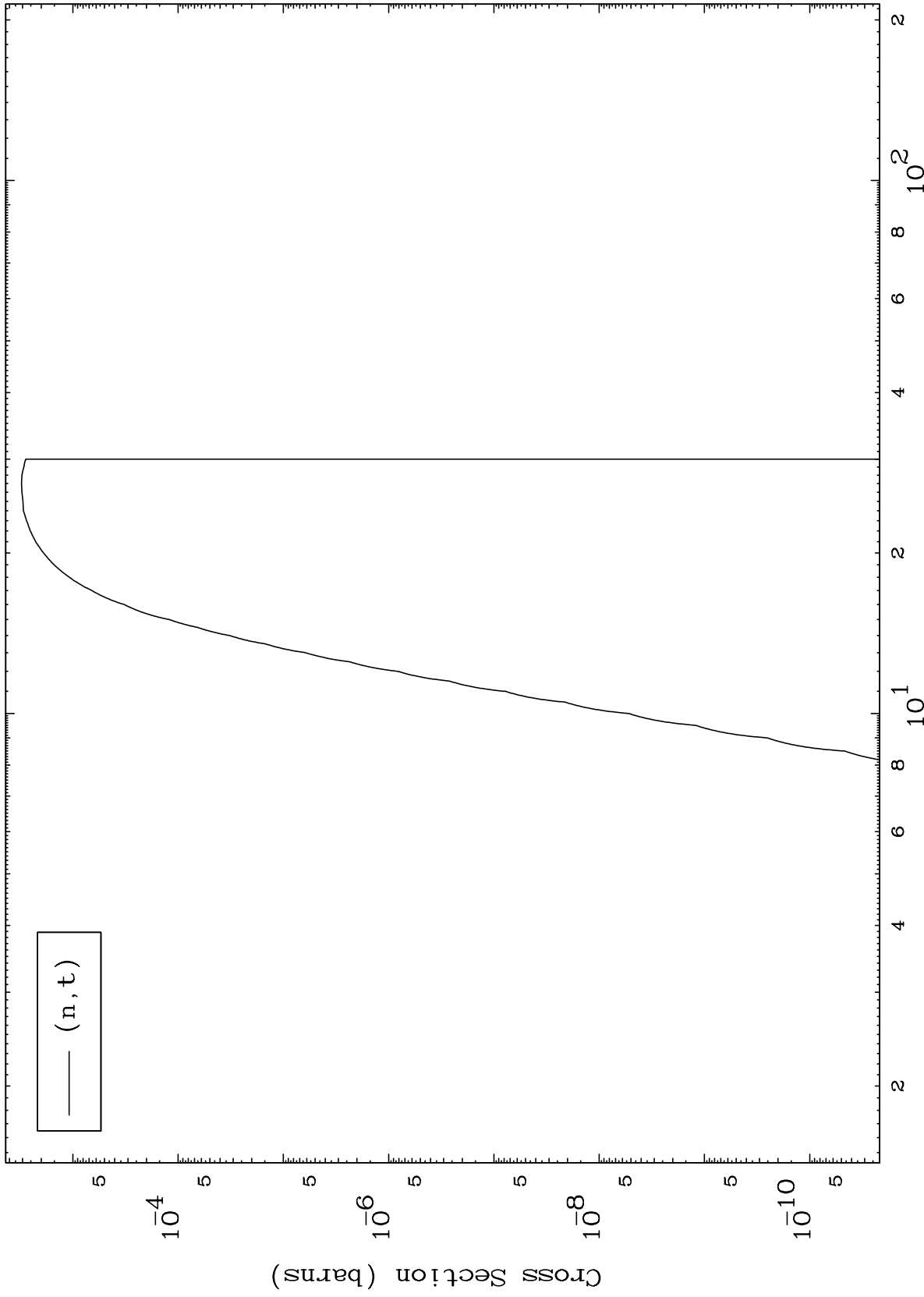
Incident Energy (MeV)

95-Am-240

MAT 9540

(n,t) Levels  
293 Kelvin Cross Sections

95-Am-240



13

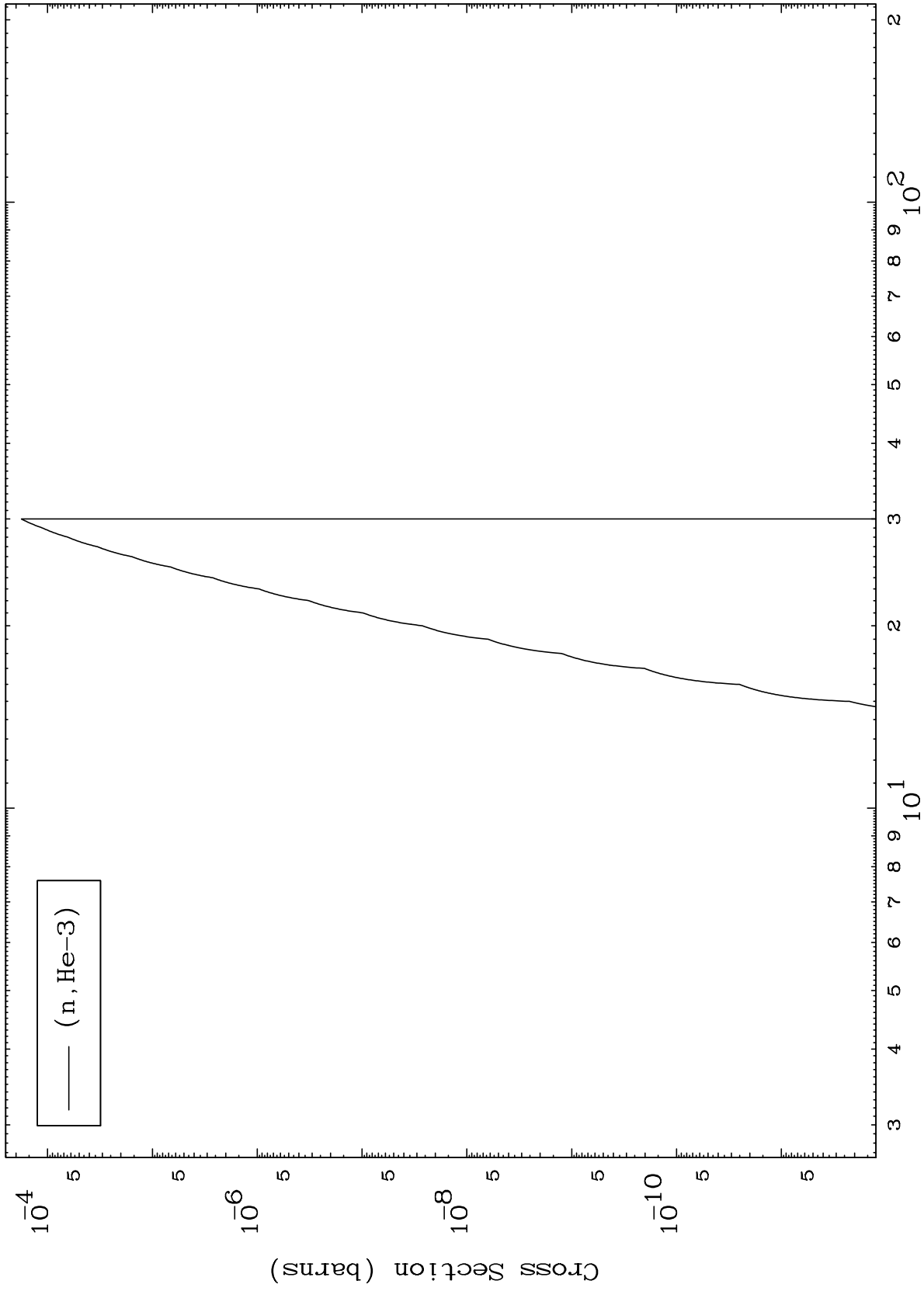
Incident Energy (MeV)

95-Am-240

MAT 9540

95-Am-240

(n,He3) Levels  
293 Kelvin Cross Sections



14

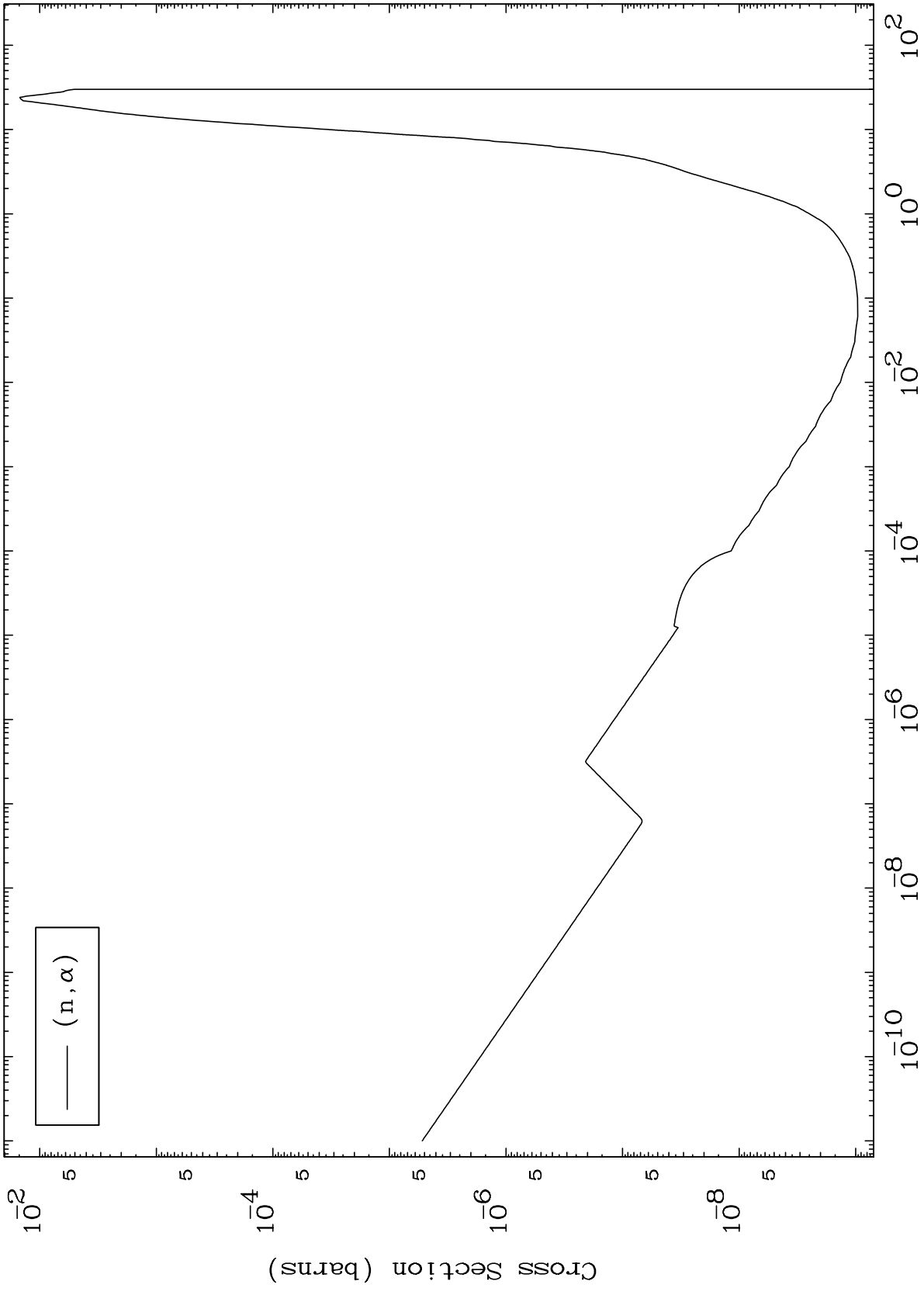
Incident Energy (MeV)

95-Am-240

MAT 9540

(n,α) Levels  
293 Kelvin Cross Sections

95-Am-240



15

Incident Energy (MeV)

95-Am-240

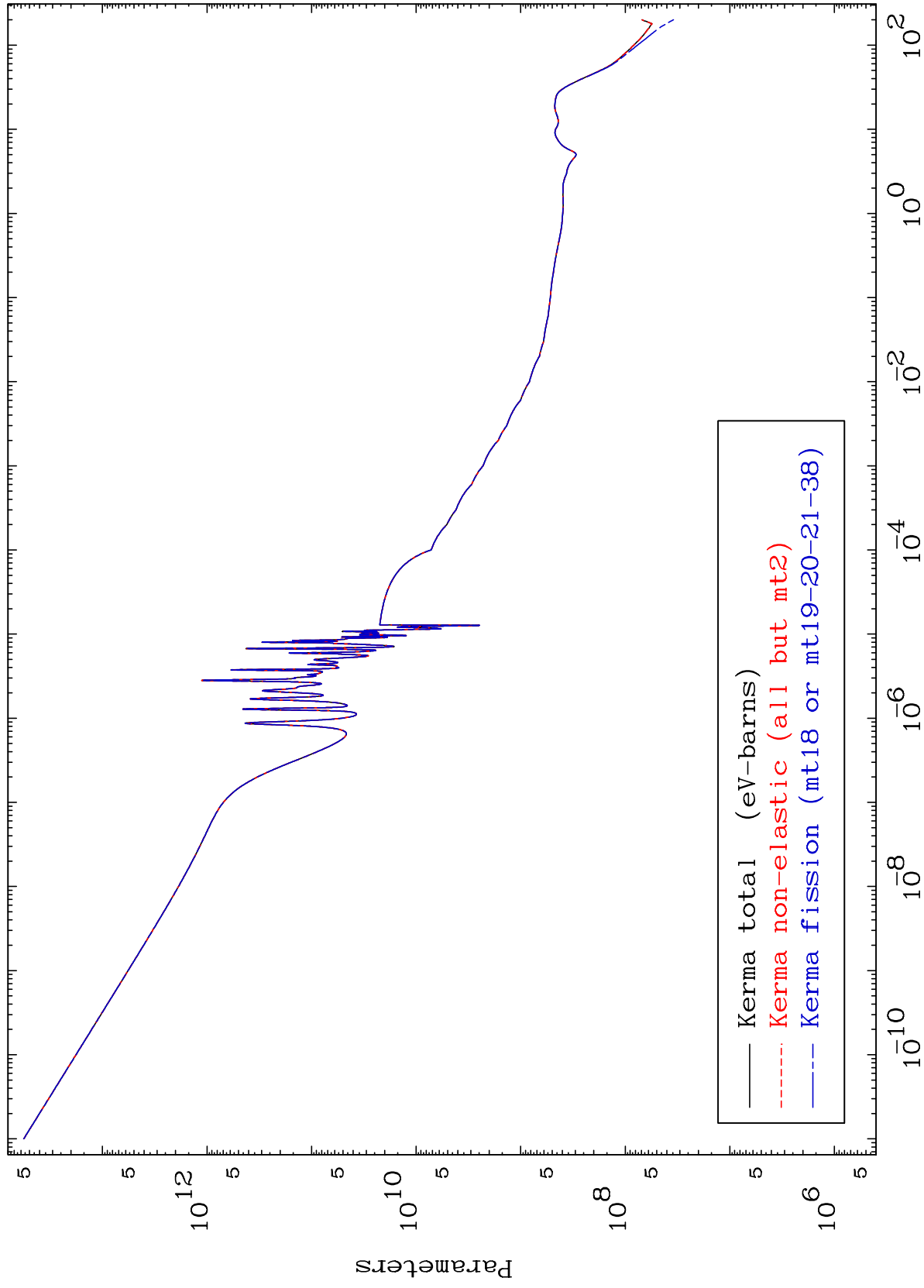
(n,α)



MAT 9540

Energy Release  
Parameters

95-Am-240



16

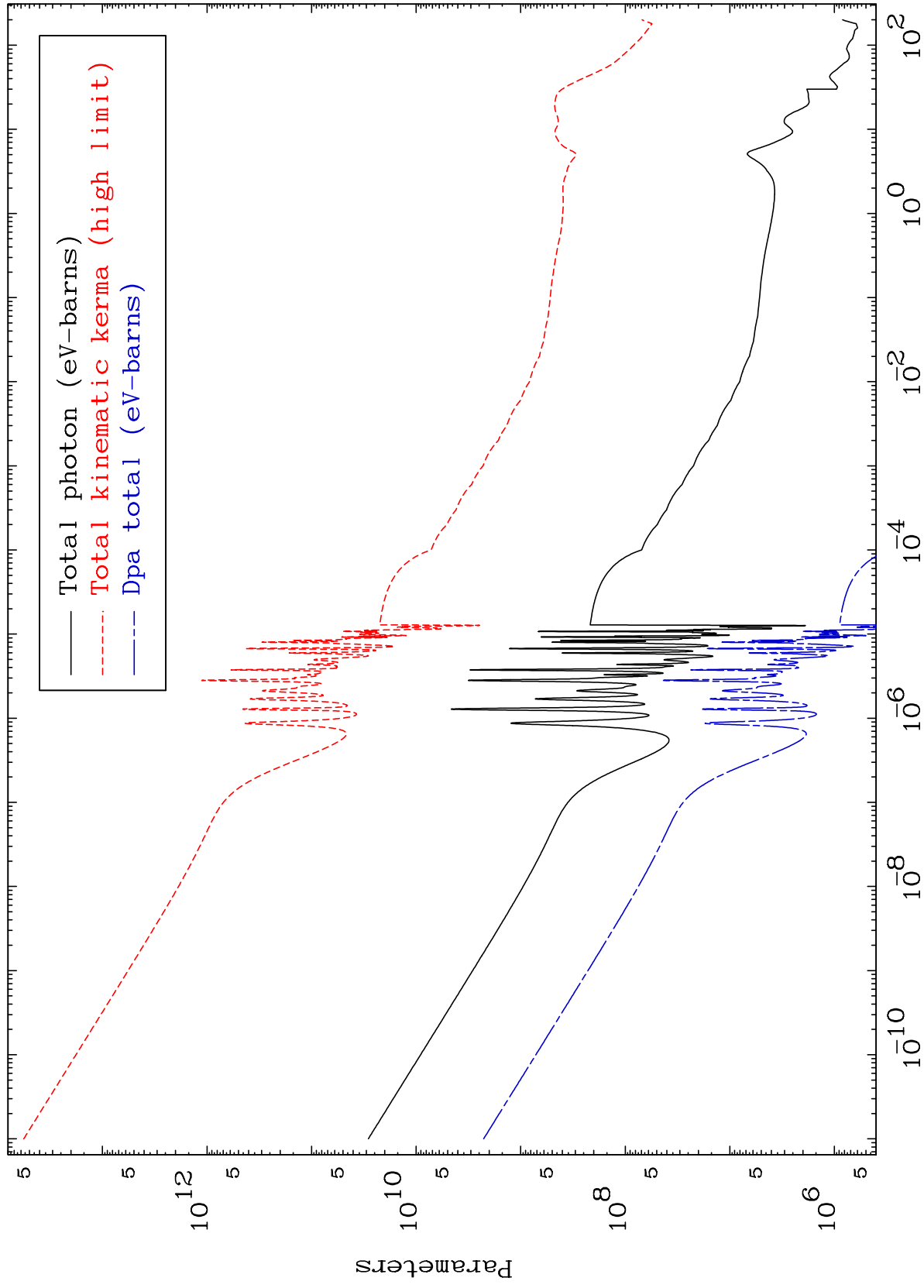
Incident Energy (MeV)

95-Am-240

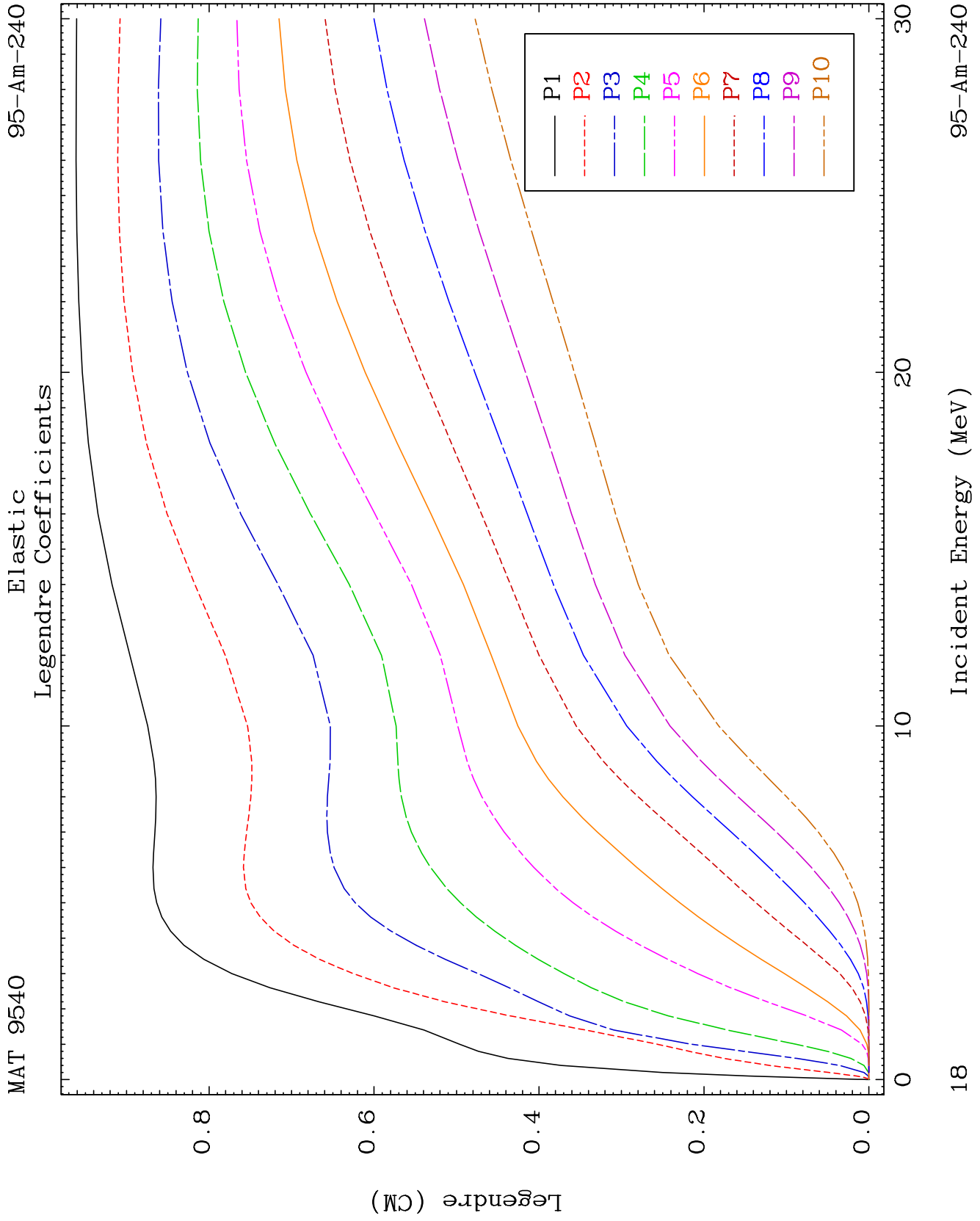
MAT 9540

Energy Release  
Parameters

95-Am-240



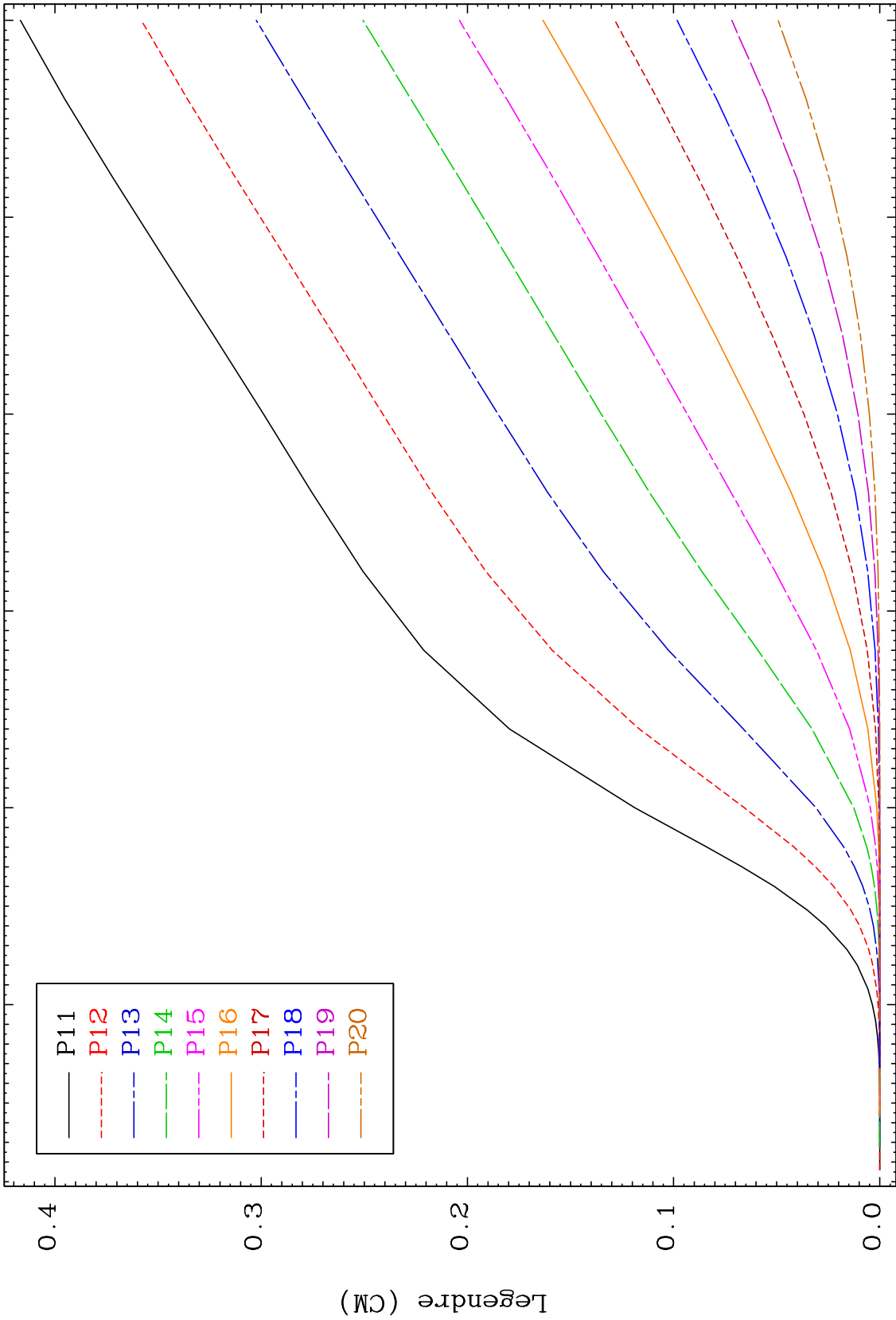
— Total photon (eV-barns)  
- - - Total kinematic kerma (high limit)  
- - - Dpa total (eV-barns)



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Elastic Legendre Coefficients

95-Am-240



19

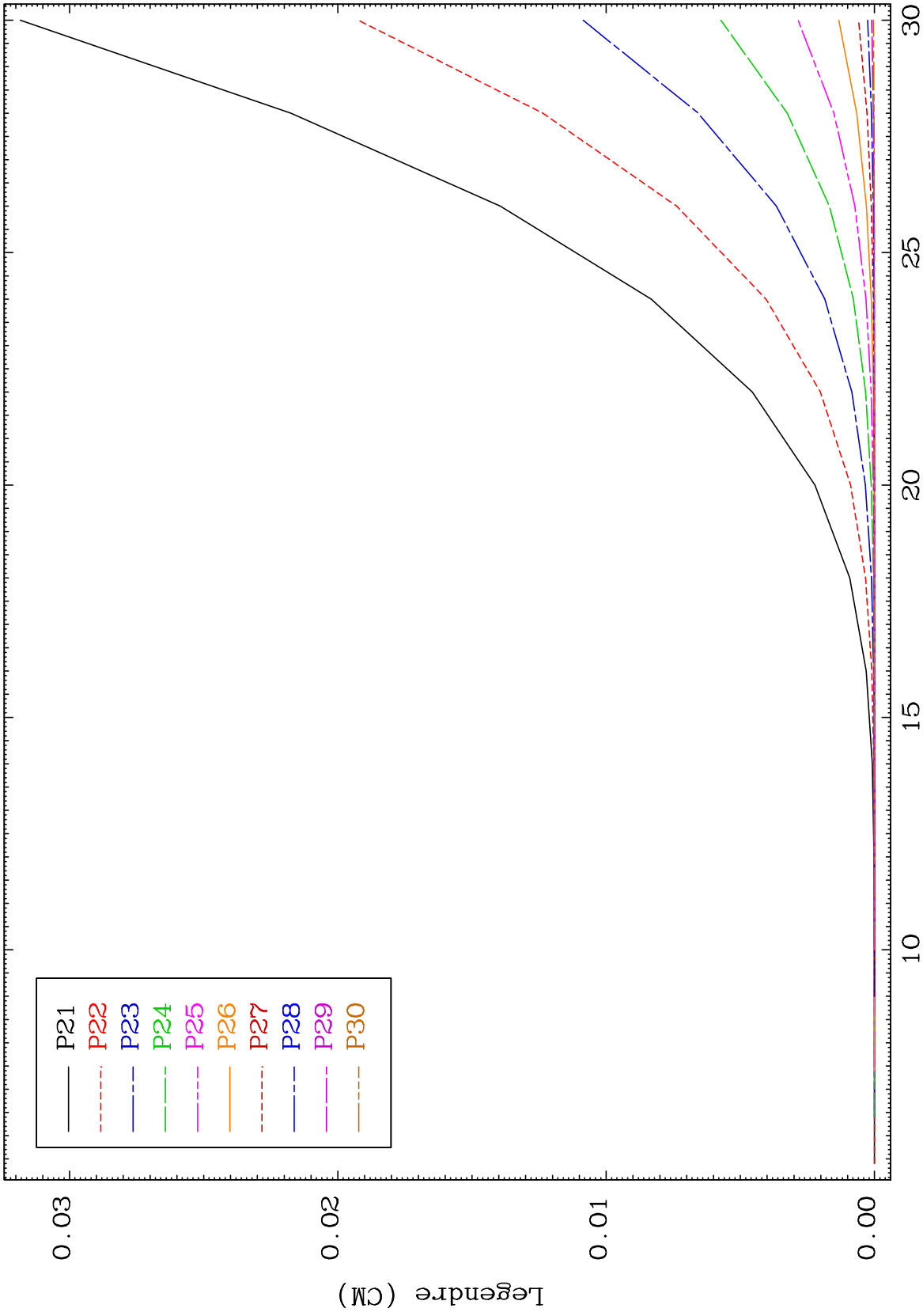
Incident Energy (MeV)

95-Am-240

MAT 9540

### Elastic Legendre Coefficients

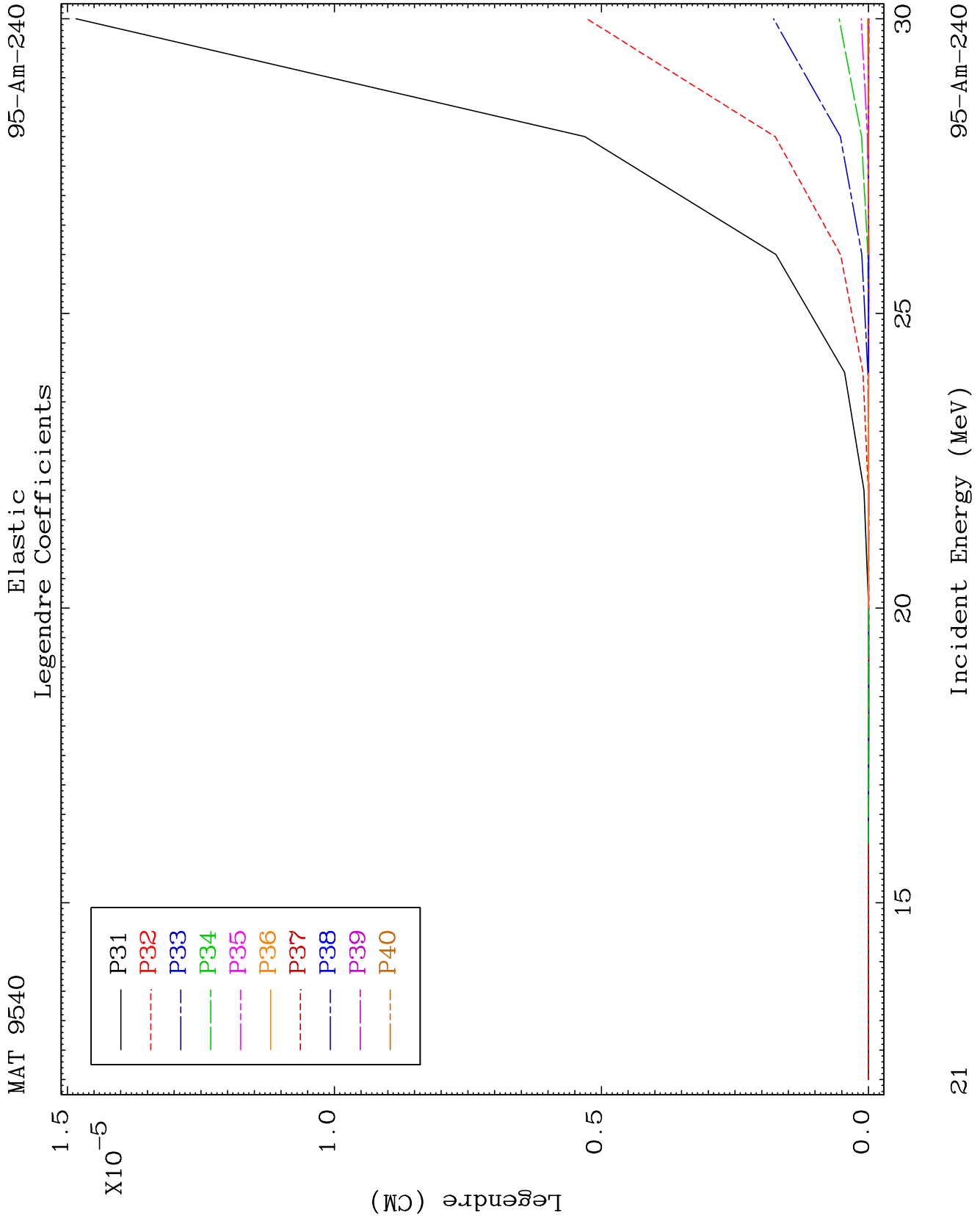
95-Am-240



20

Incident Energy (MeV)

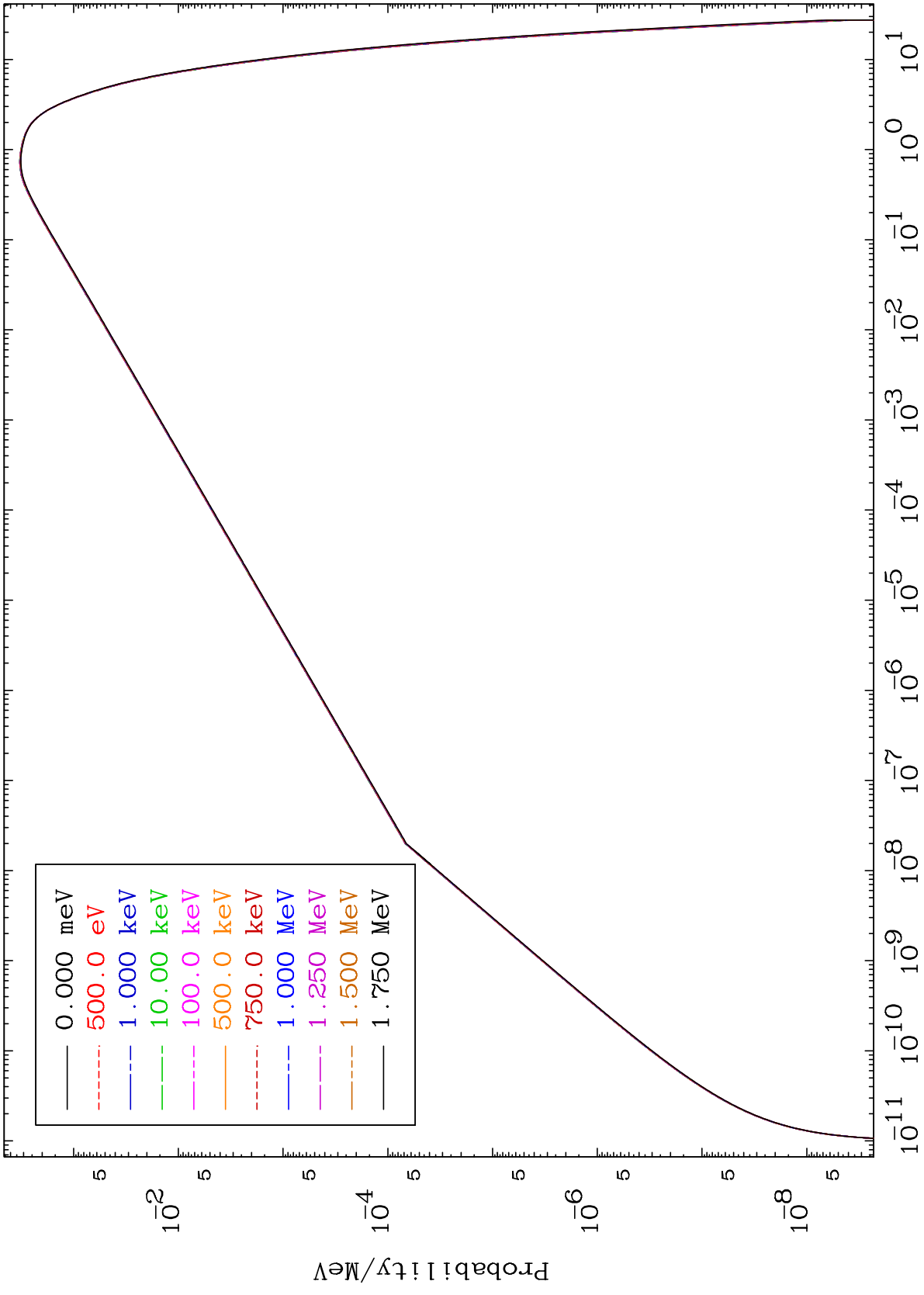
95-Am-240



MAT 9540

# Fission Energy Distribution

95-Am-240

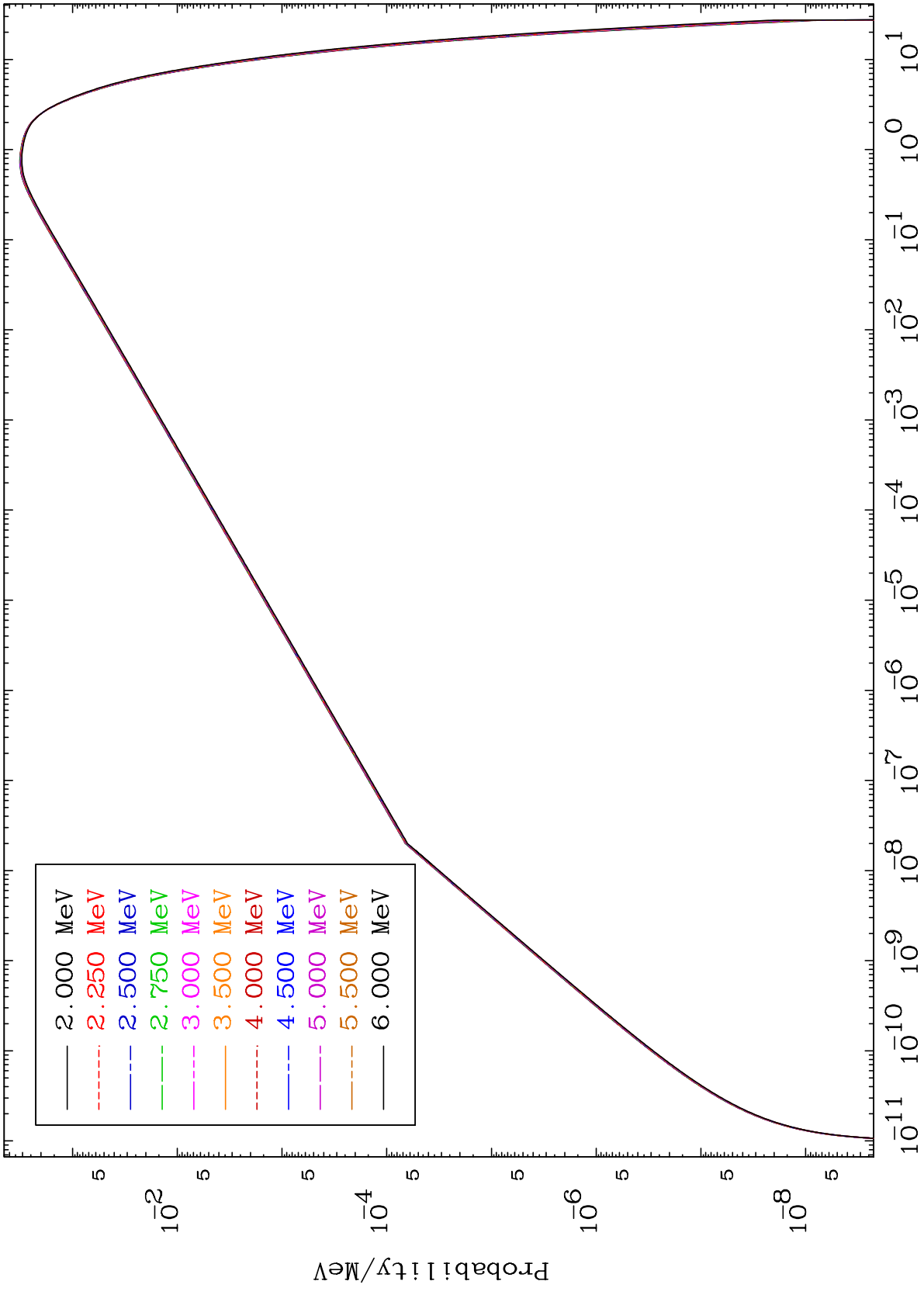


95-Am-240

MAT 9540

# Fission Energy Distribution

95-Am-240



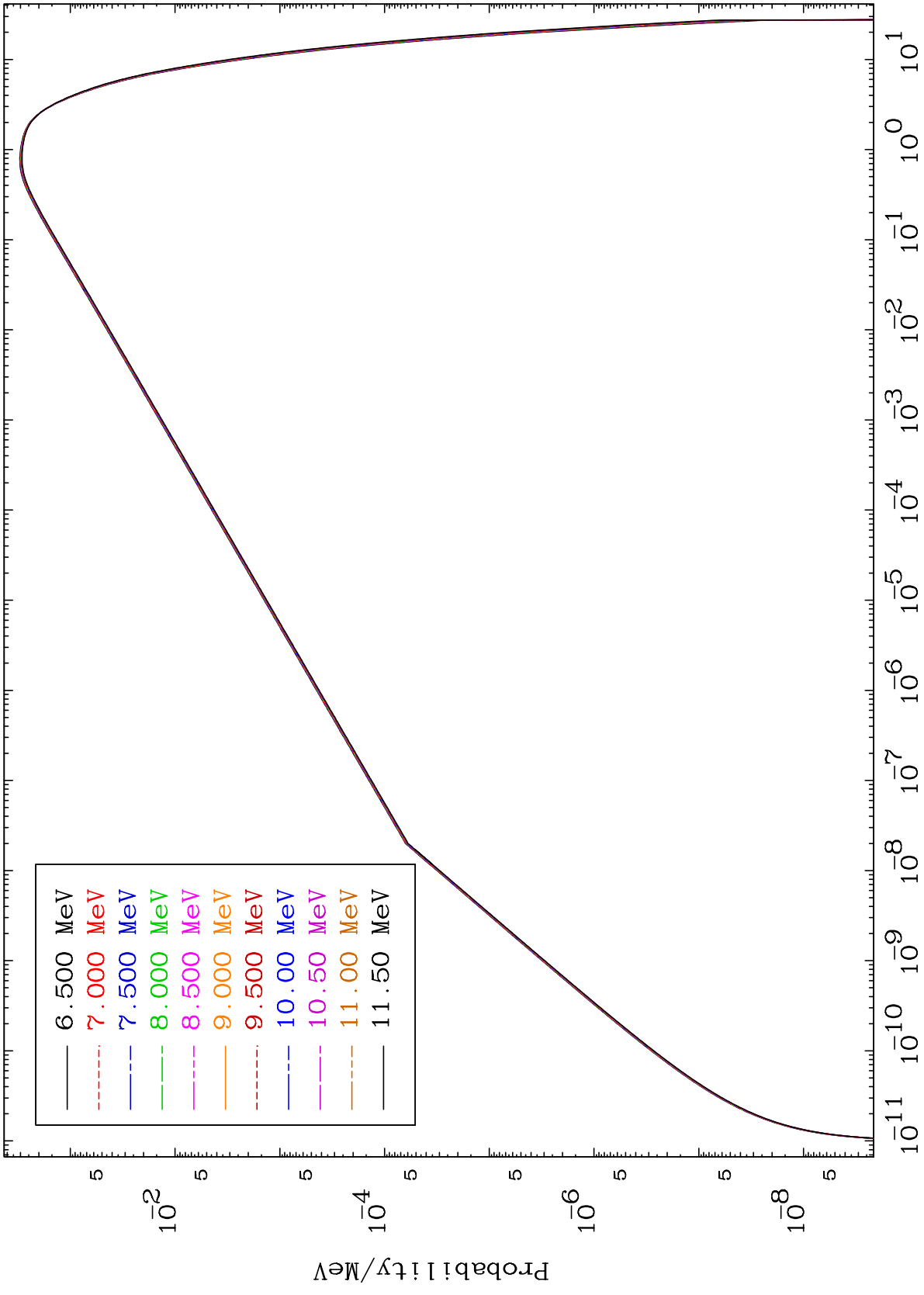
95-Am-240



MAT 9540

### Fission Energy Distribution

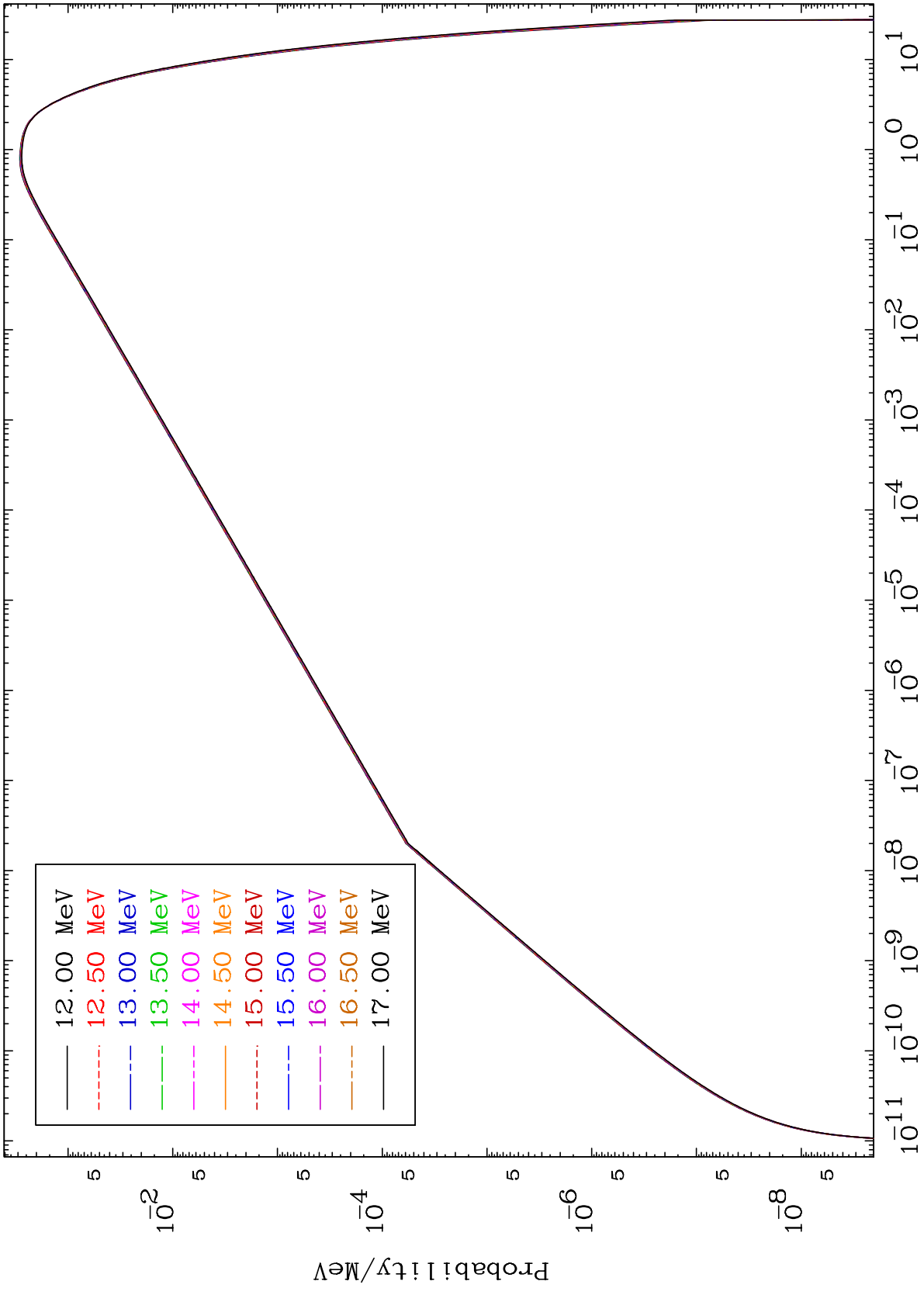
95-Am-240



MAT 9540

# Fission Energy Distribution

95-Am-240

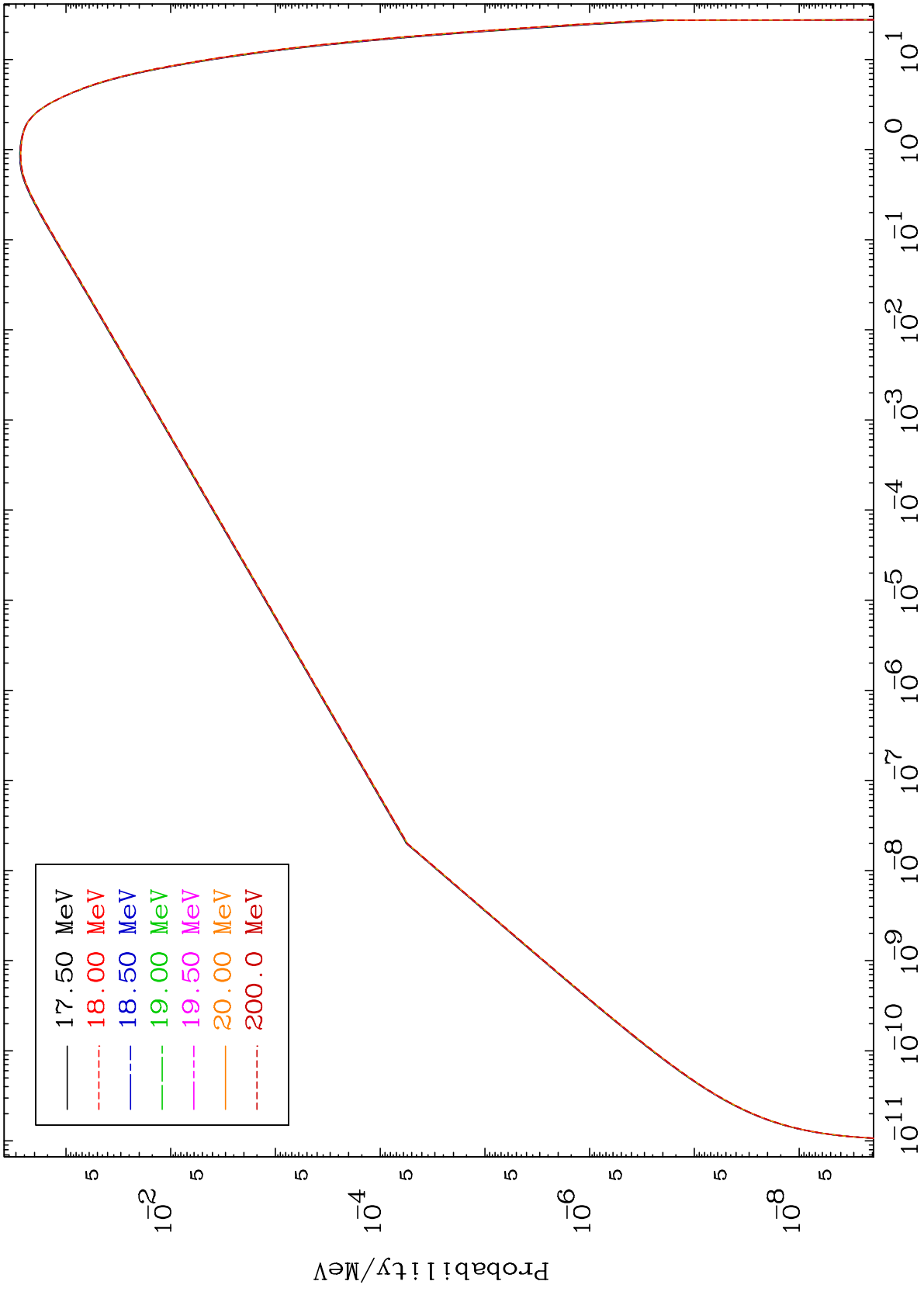


95-Am-240

MAT 9540

# Fission Energy Distribution

95-Am-240



|         |       |     |
|---------|-------|-----|
| —       | 17.50 | MeV |
| - - -   | 18.00 | MeV |
| - · - · | 18.50 | MeV |
| - - -   | 19.00 | MeV |
| - · - · | 19.50 | MeV |
| - - -   | 20.00 | MeV |
| - - -   | 200.0 | MeV |

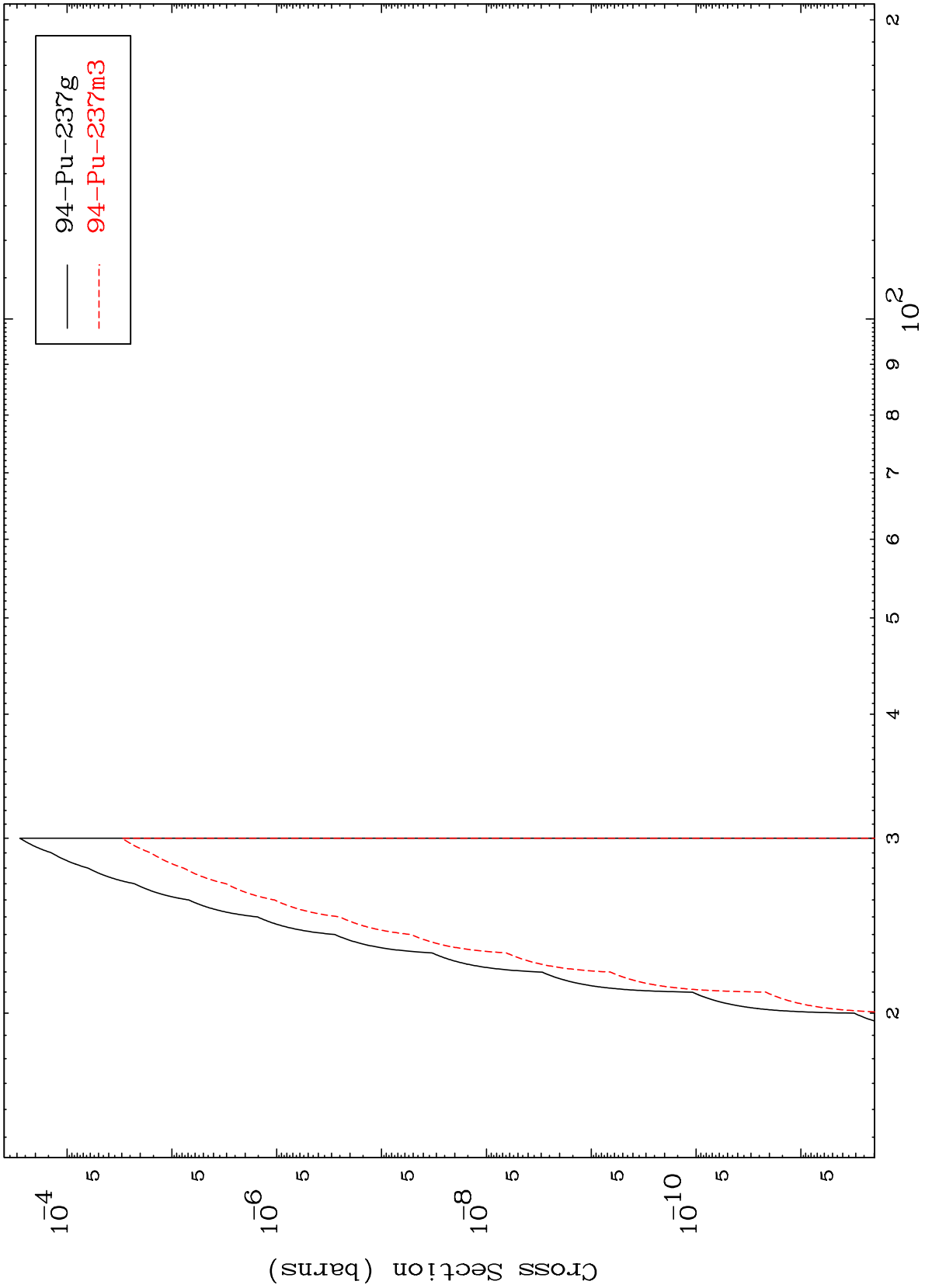
95-Am-240

MAT 9540

(n,2n) d

95-Am-240

Radionuclide Production Cross Section



94-Pu-237g  
94-Pu-237m3

27

Incident Energy (MeV)

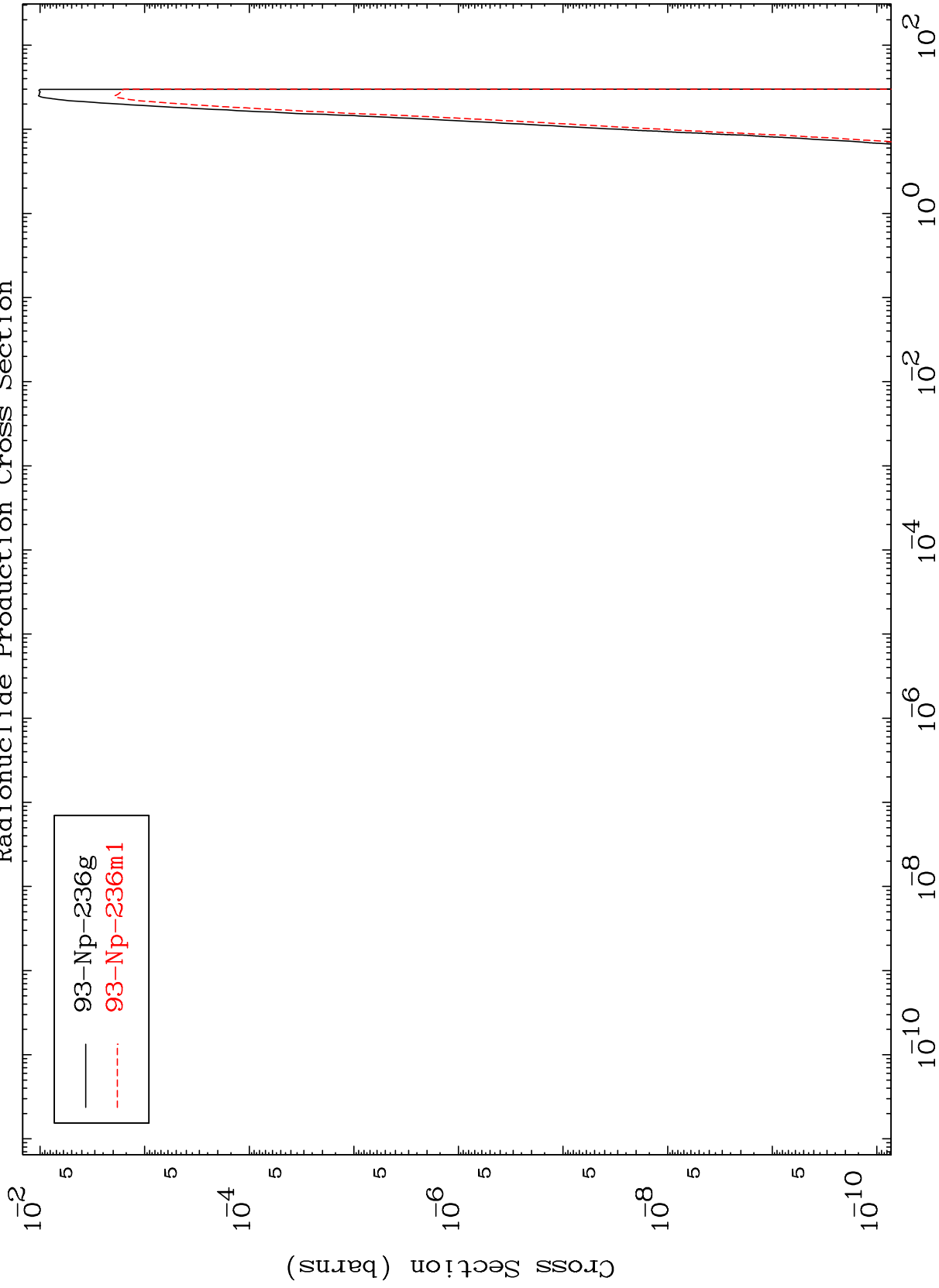
95-Am-240

MAT 9540

(n,n')  $\alpha$

95-Am-240

Radionuclide Production Cross Section



28

Incident Energy (MeV)

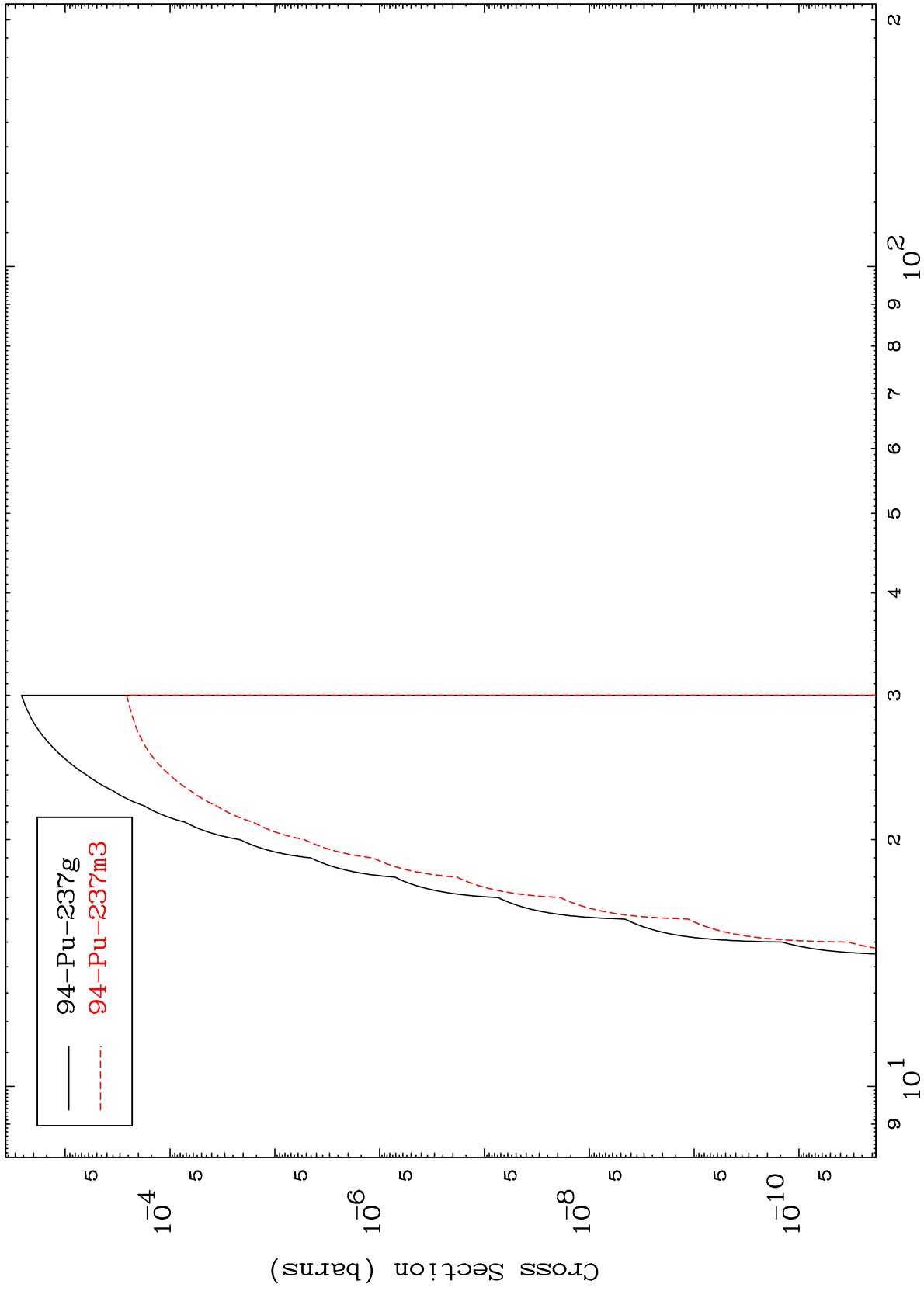
95-Am-240

MAT 9540

(n,n') t

95-Am-240

Radionuclide Production Cross Section



29

Incident Energy (MeV)

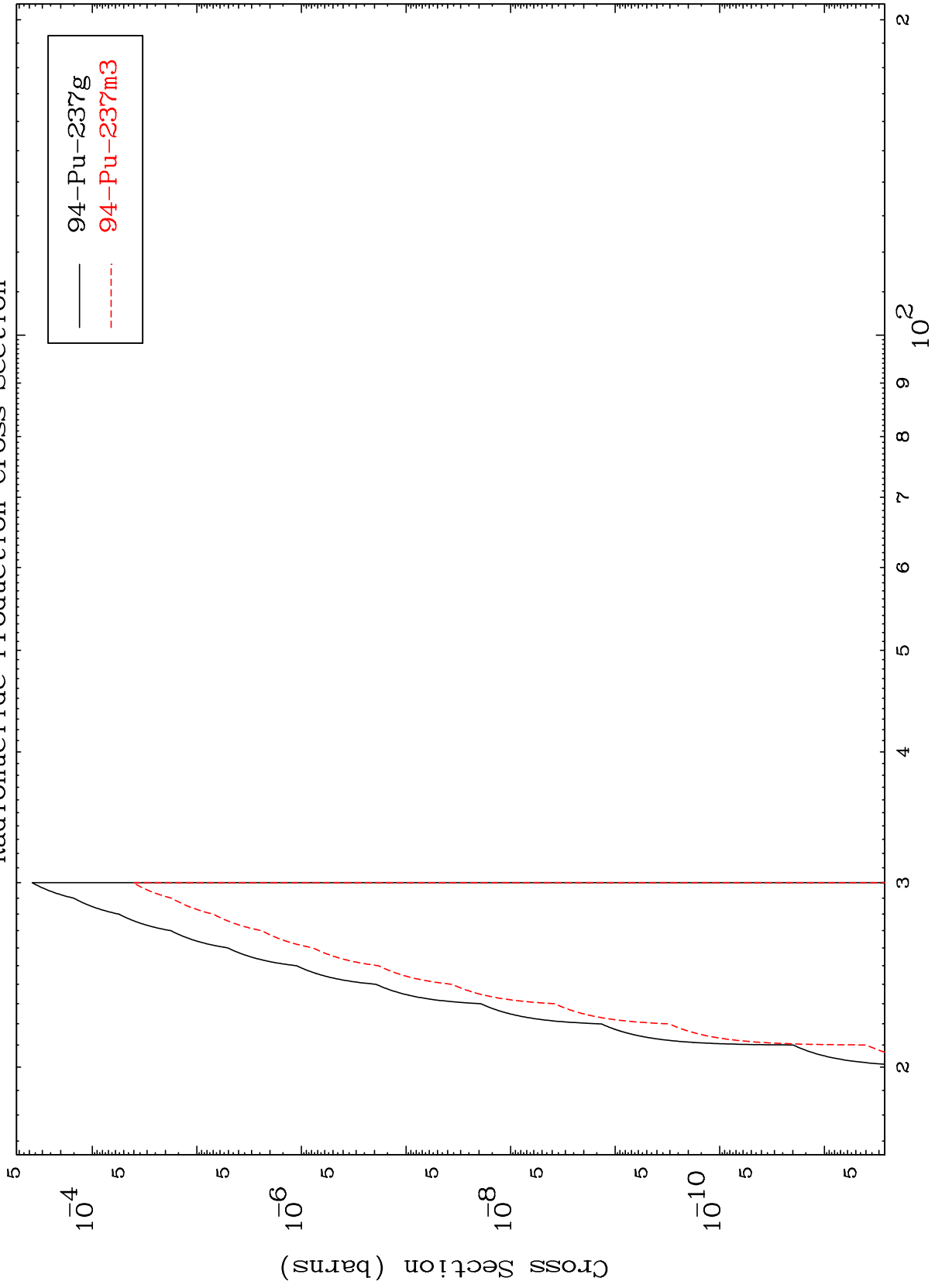
95-Am-240

MAT 9540

(n,3n) p

95-Am-240

Radionuclide Production Cross Section



30

Incident Energy (MeV)

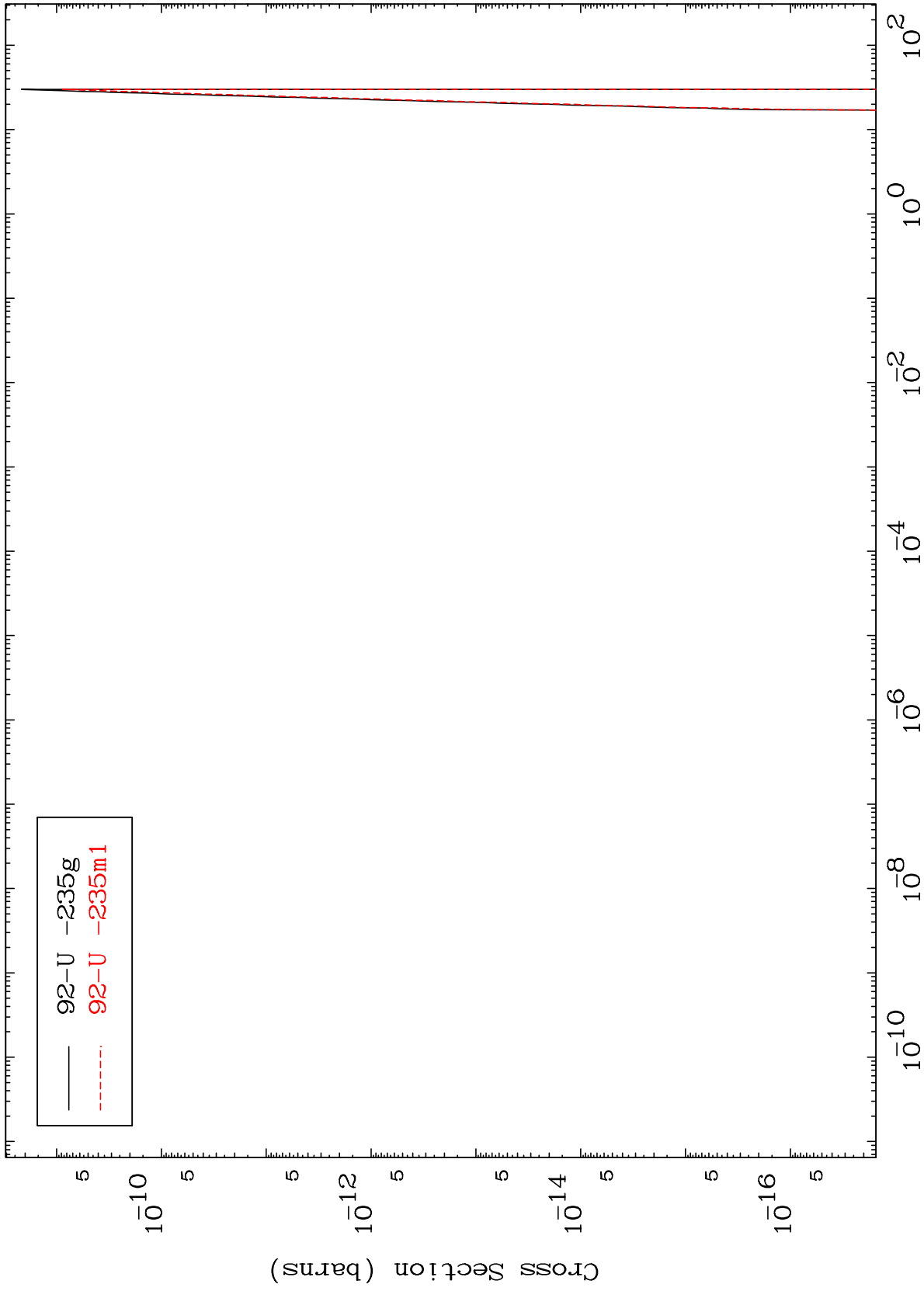
95-Am-240

MAT 9540

(n,n') p  $\alpha$

95-Am-240

Radionuclide Production Cross Section



31

Incident Energy (MeV)

95-Am-240