

Program EVALPLOT  
(Version 2018-1)

by

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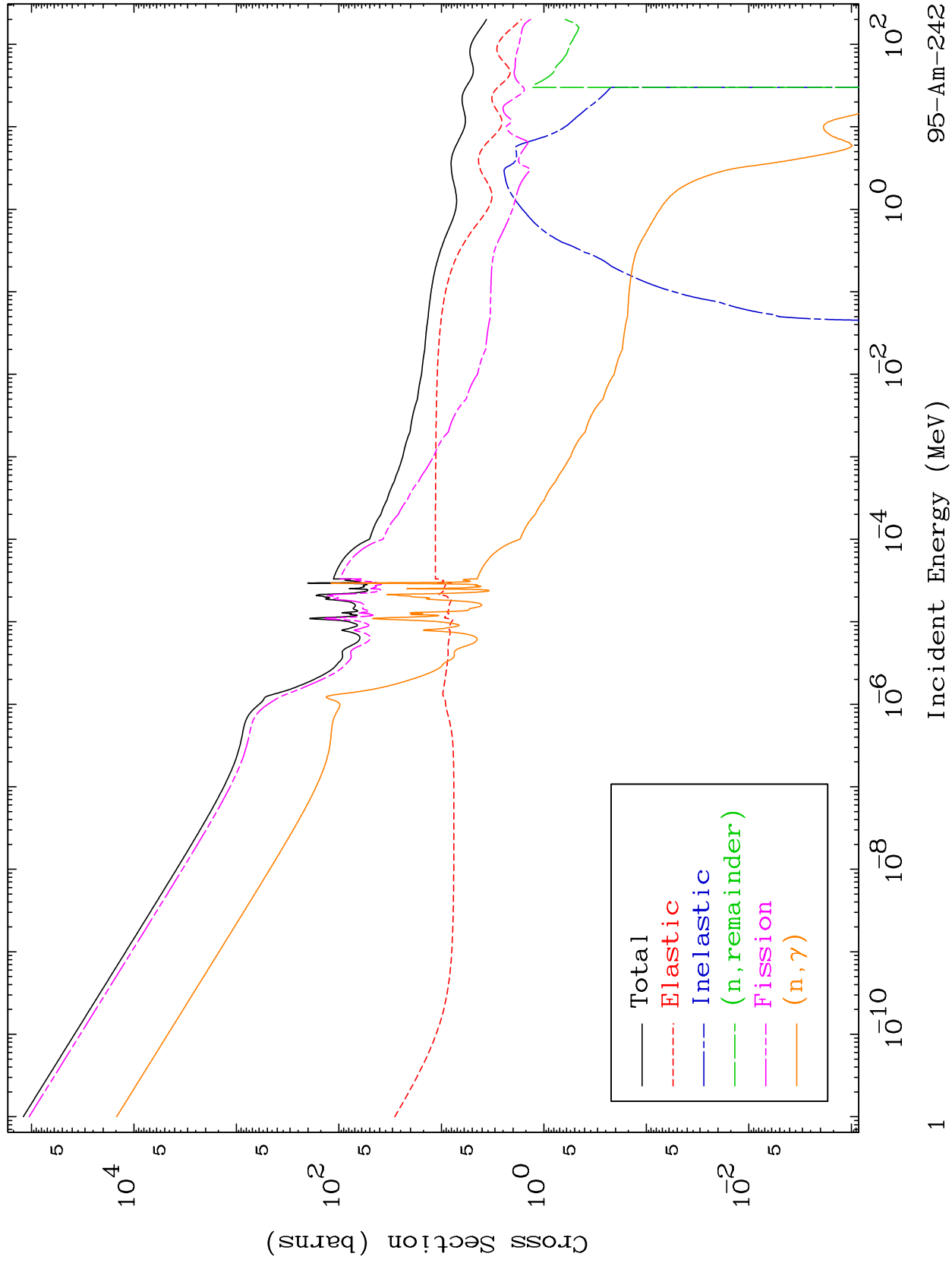
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 9546

Major  
293 Kelvin Cross Sections

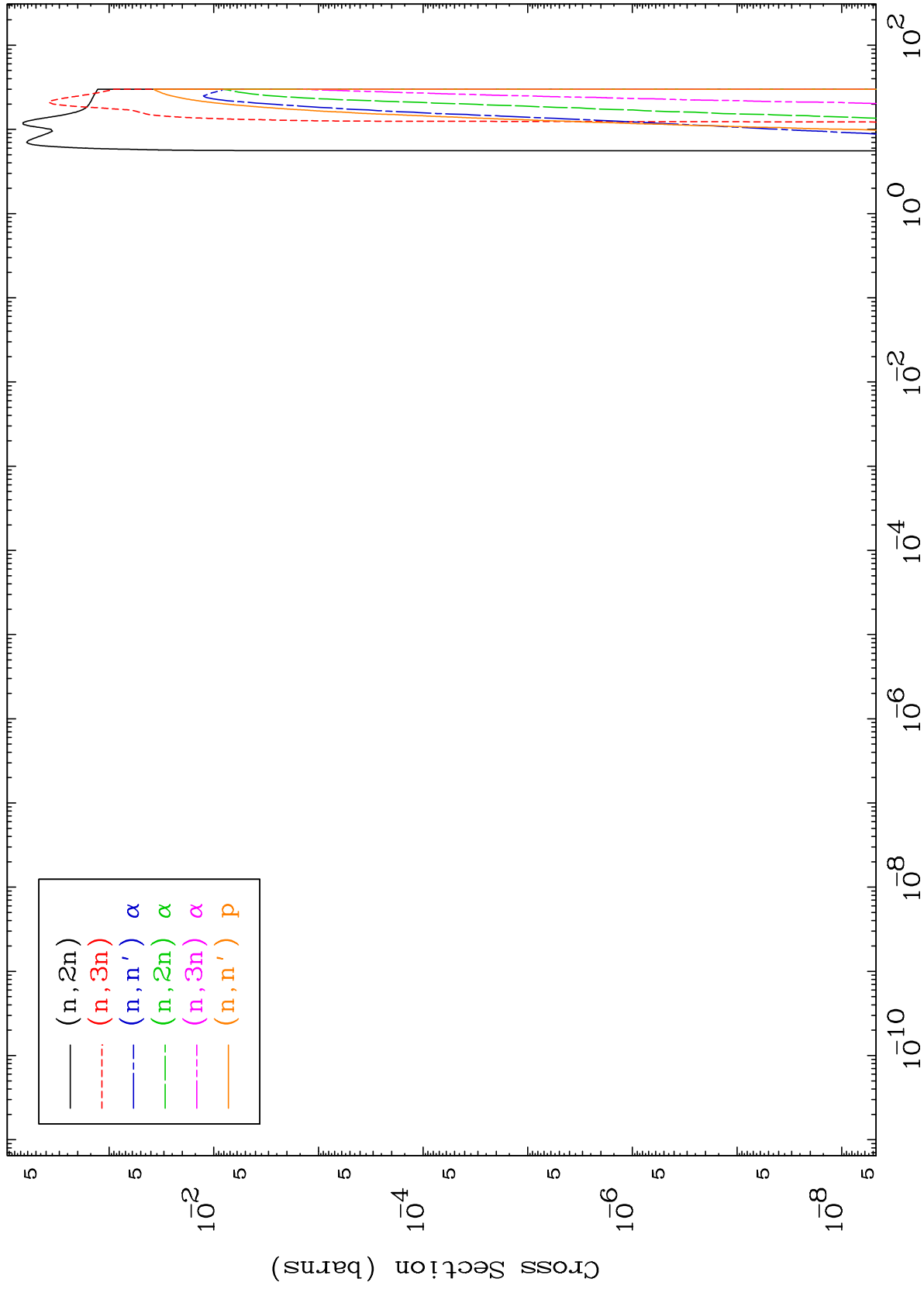
95-Am-242



MAT 9546

Neutron Production  
293 Kelvin Cross Sections

95-Am-242



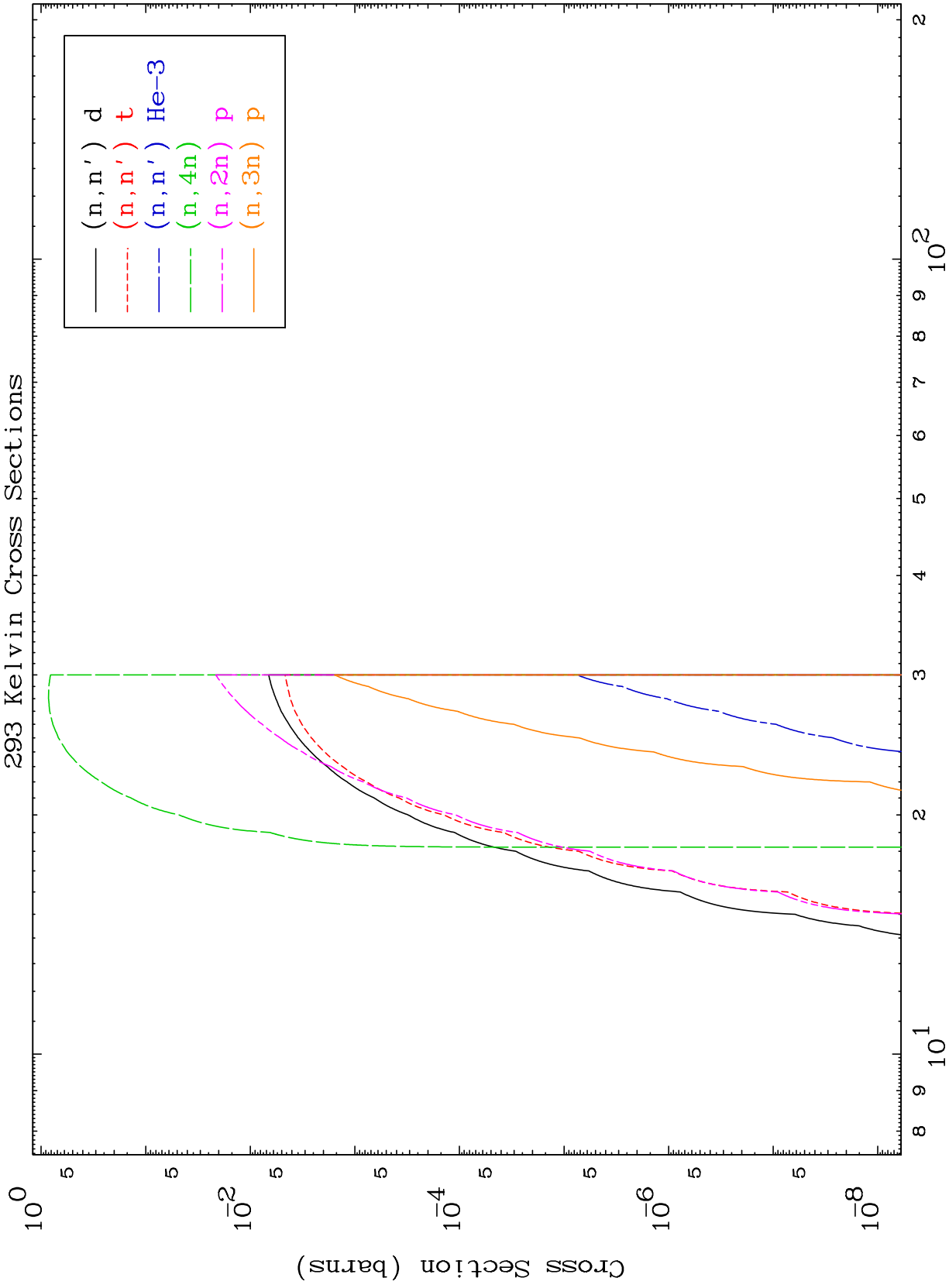
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95-Am-242

MAT 9546

Neutron Production  
293 Kelvin Cross Sections

95-Am-242



3

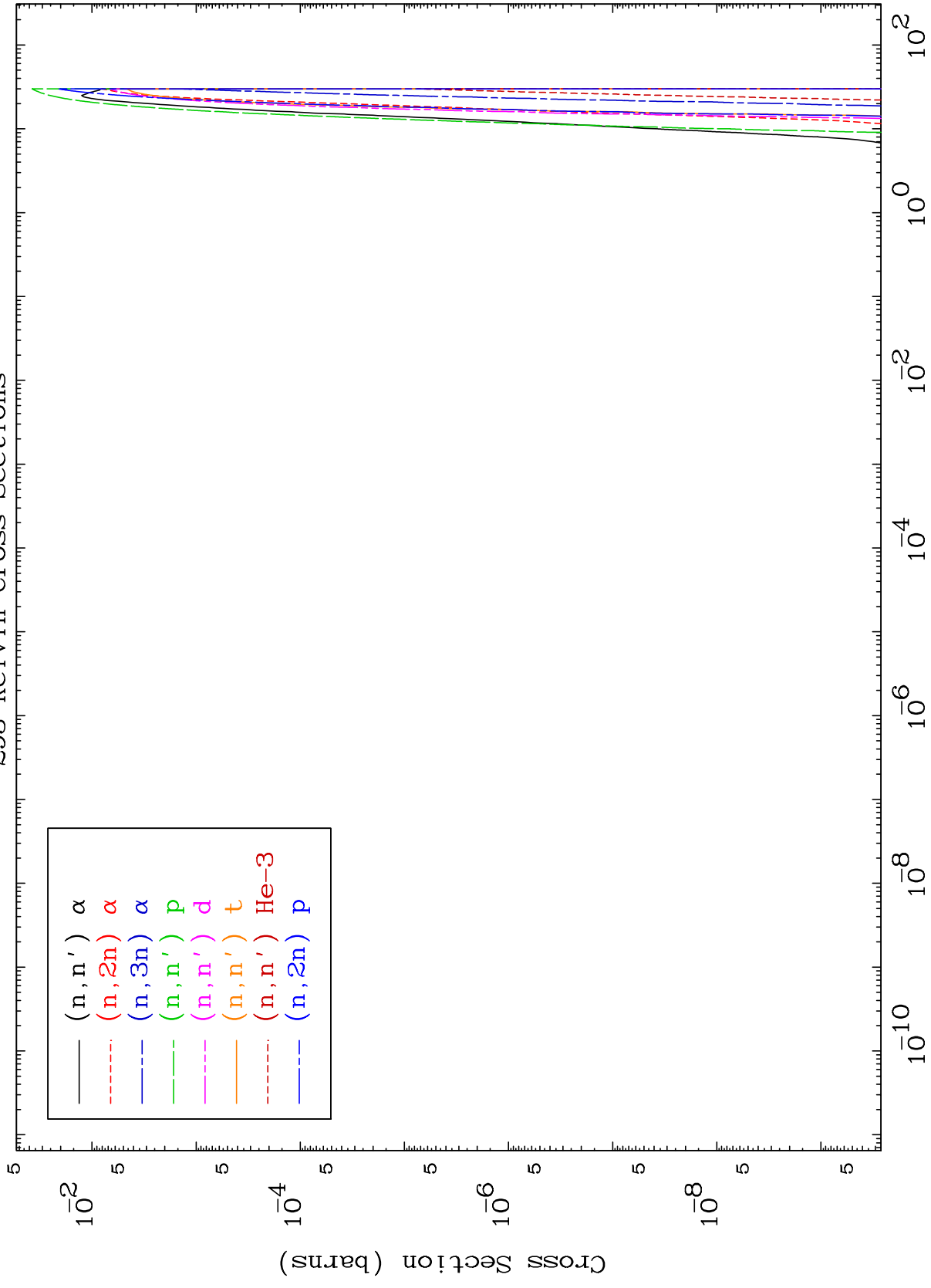
Incident Energy (MeV)

95-Am-242

MAT 9546

Charged Particle  
293 Kelvin Cross Sections

95-Am-242

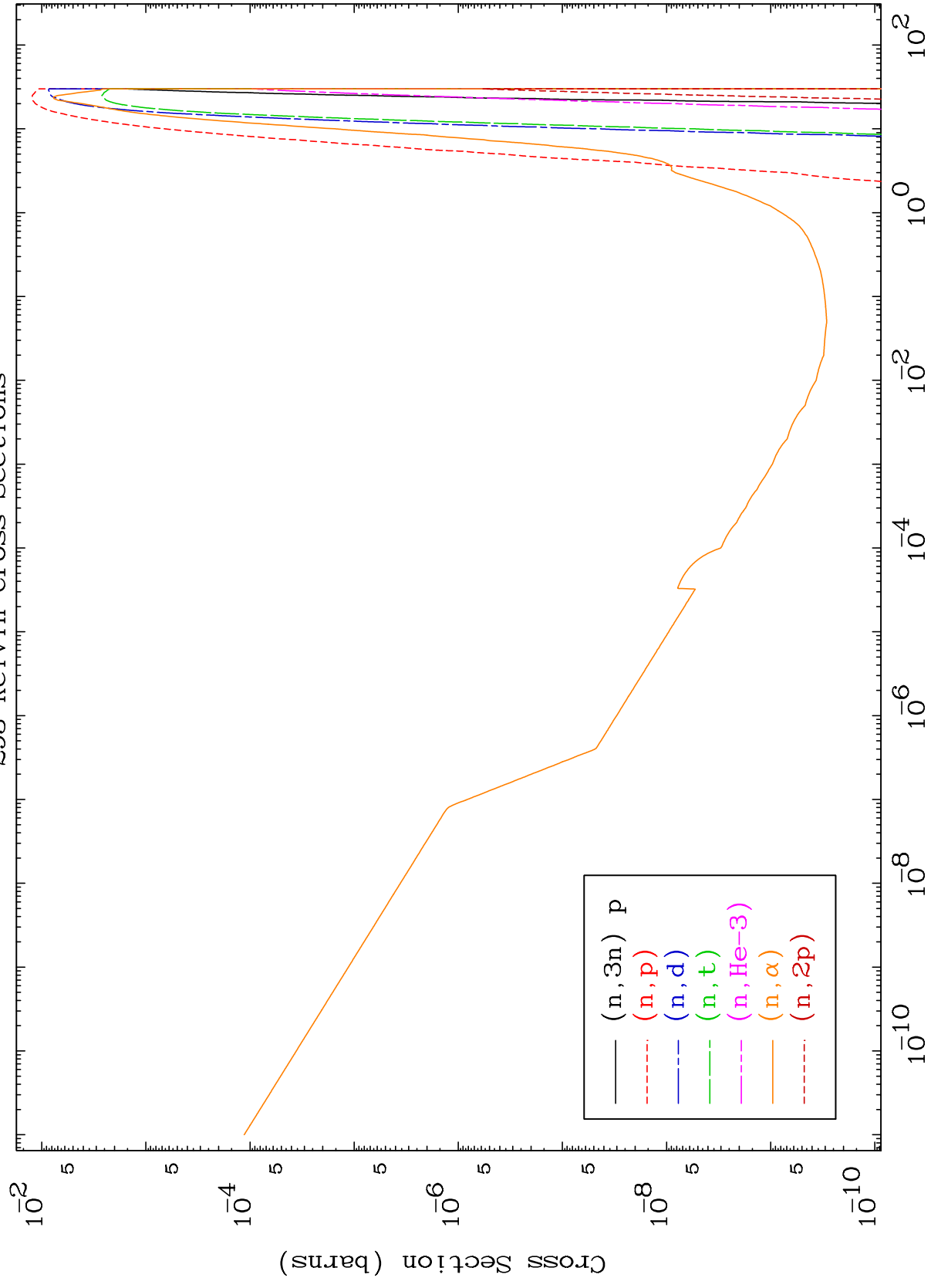


95-Am-242

MAT 9546

Charged Particle  
293 Kelvin Cross Sections

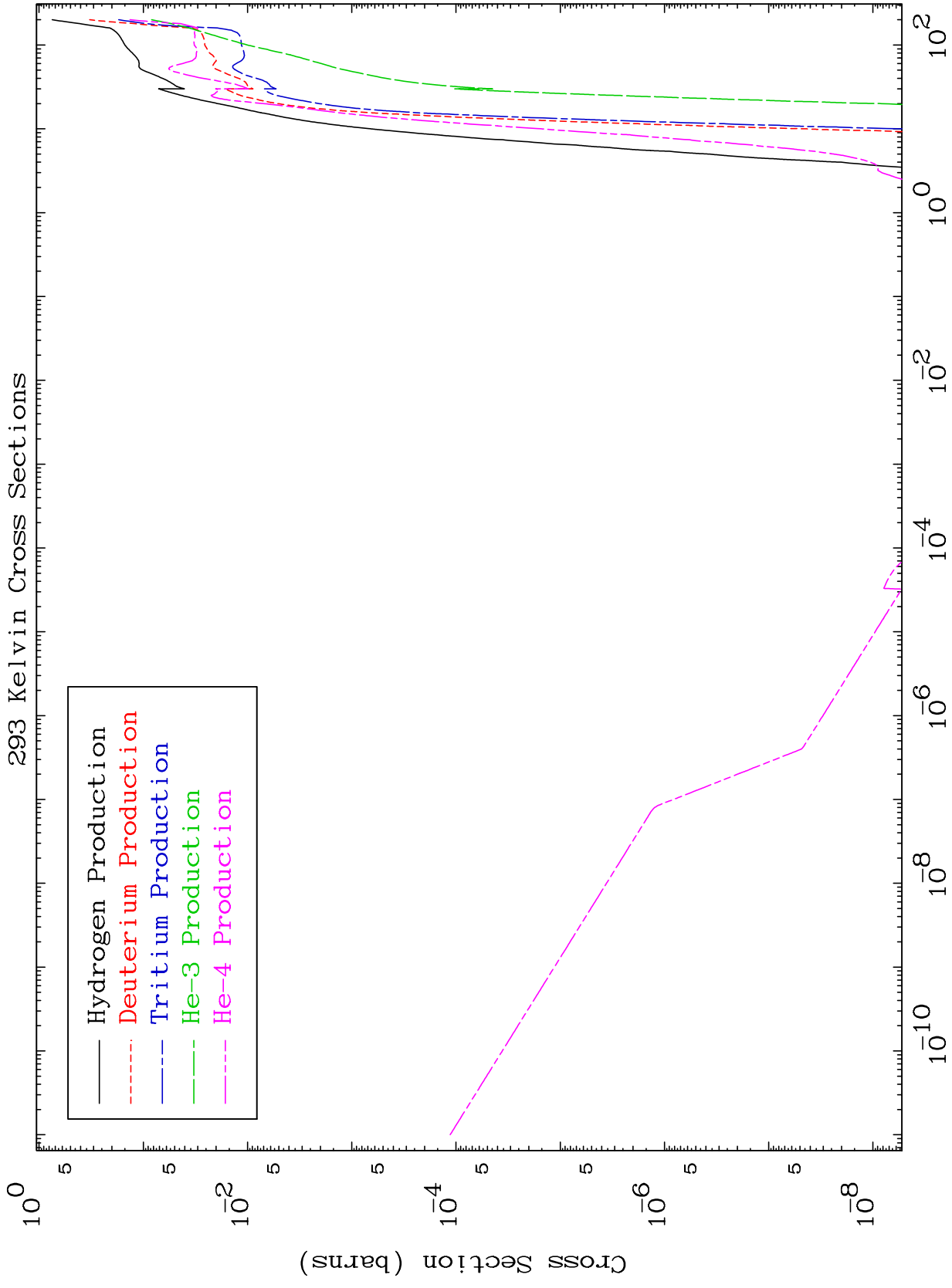
95-Am-242



MAT 9546

Particle Production  
293 Kelvin Cross Sections

95-Am-242



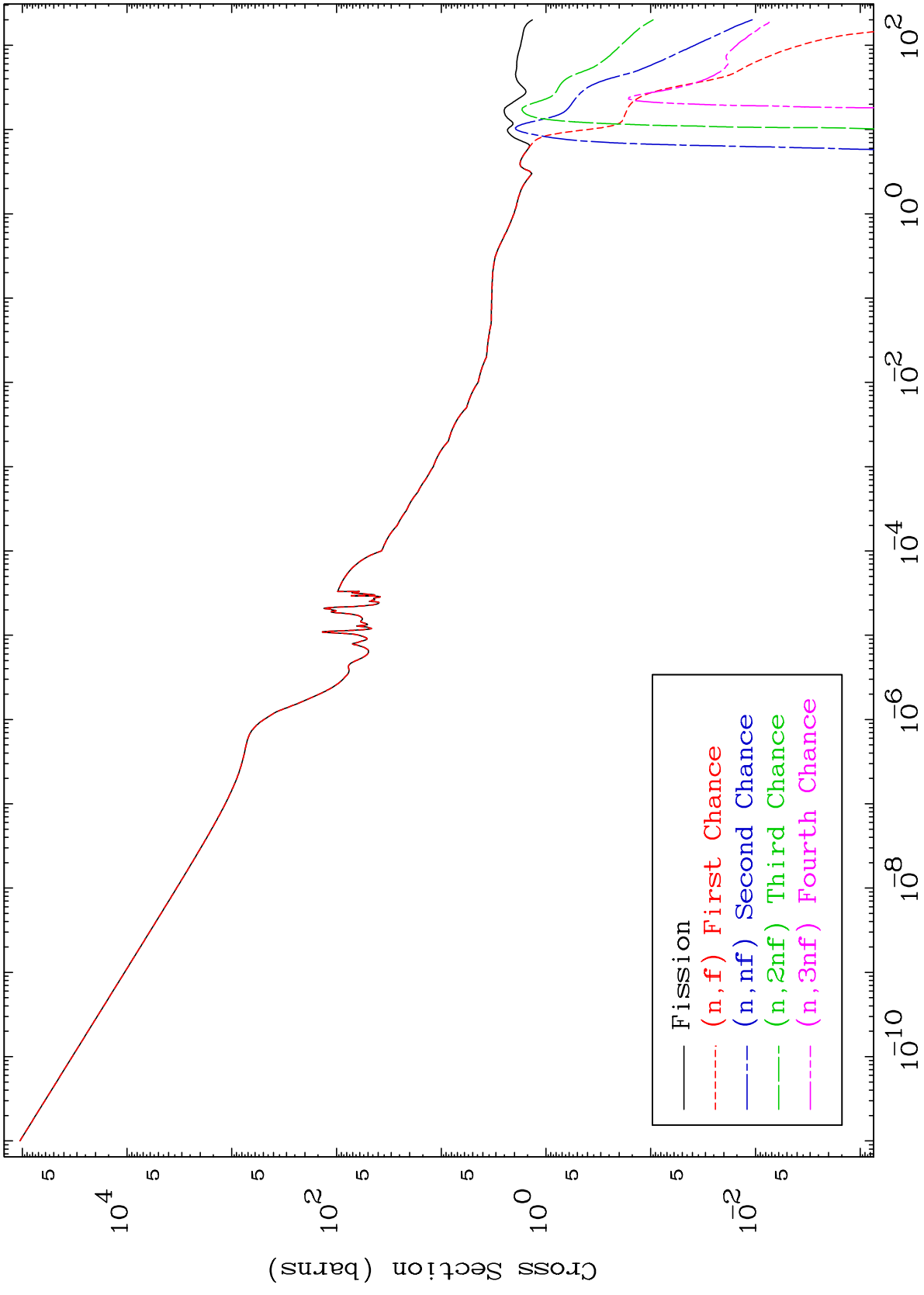
6

95-Am-242

MAT 9546

Fission  
293 Kelvin Cross Sections

95-Am-242



95-Am-242

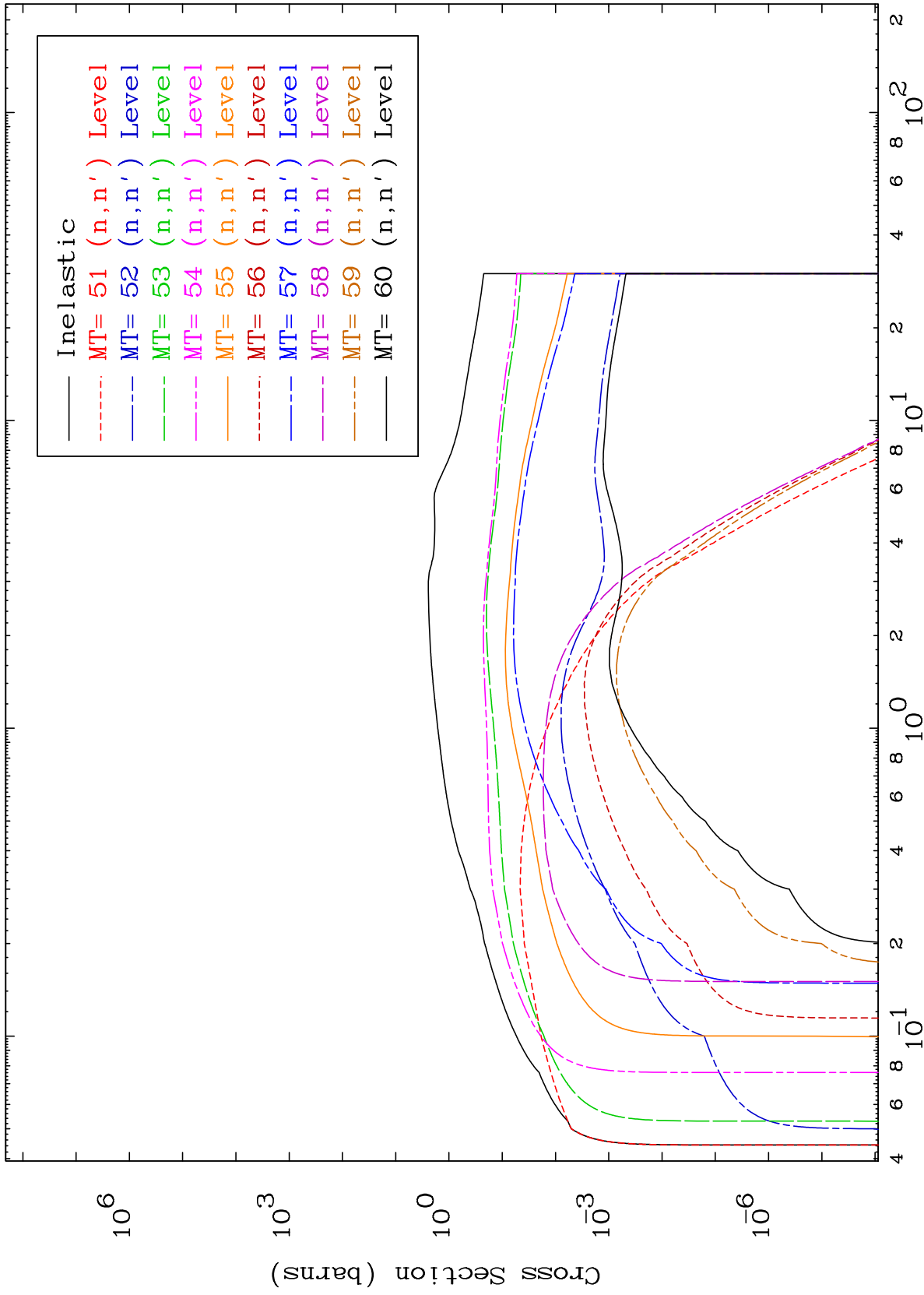


MAT 9546

(n,n') Level

95-Am-242

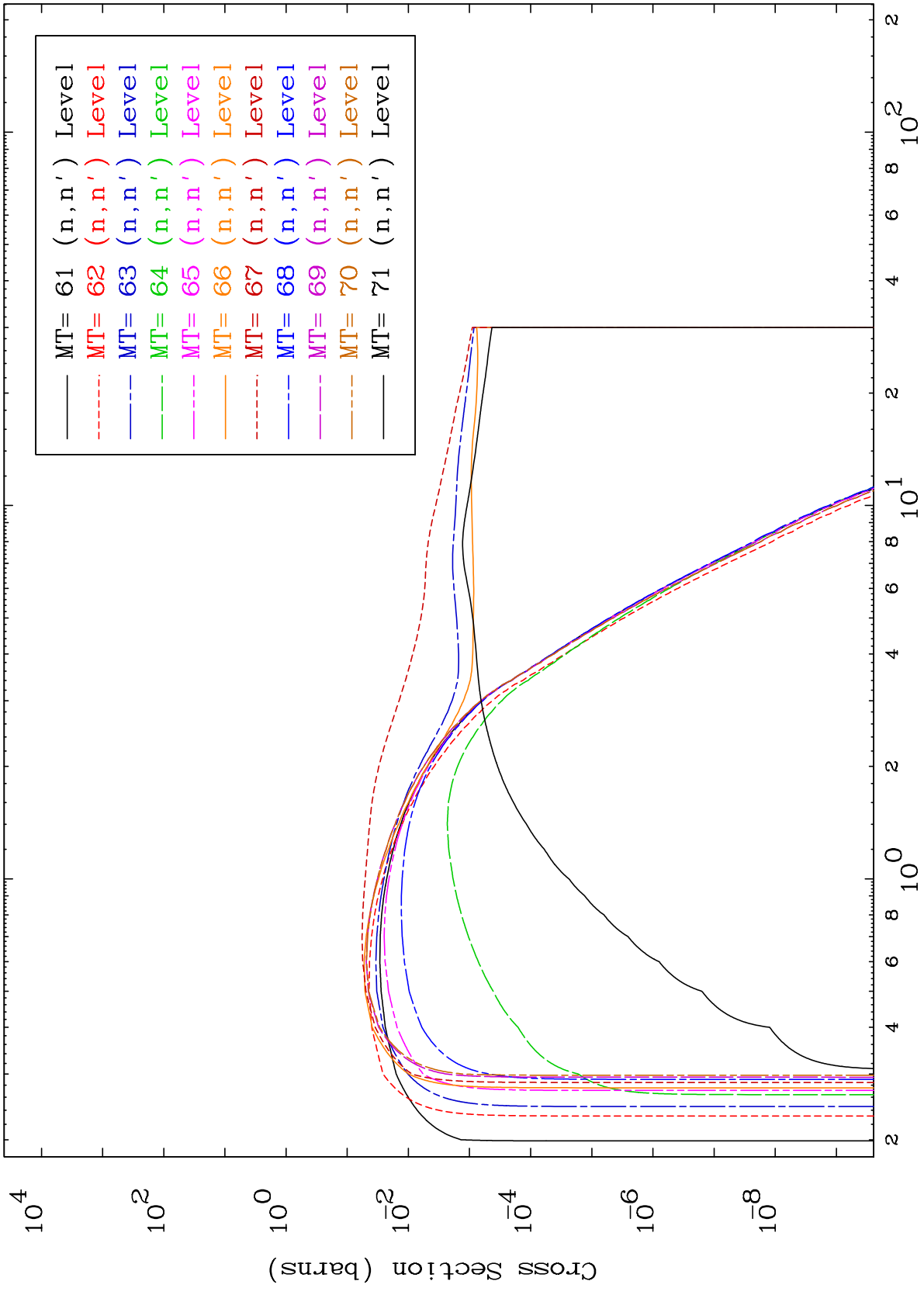
293 Kelvin Cross Sections



MAT 9546

(n,n') Level  
293 Kelvin Cross Sections

95-Am-242



9

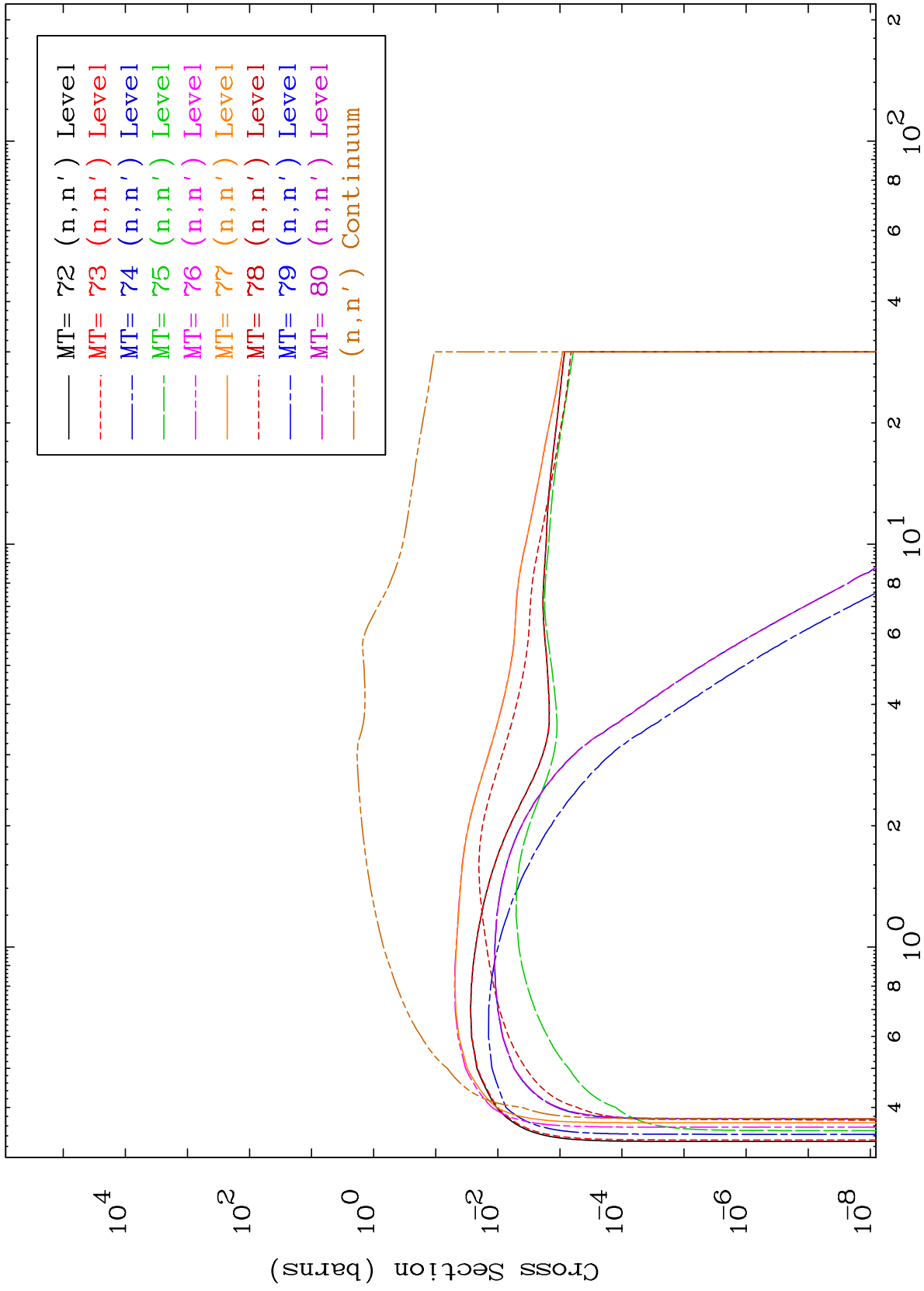
Incident Energy (MeV)

95-Am-242

MAT 9546

(n,n') Level  
293 Kelvin Cross Sections

95-Am-242



10

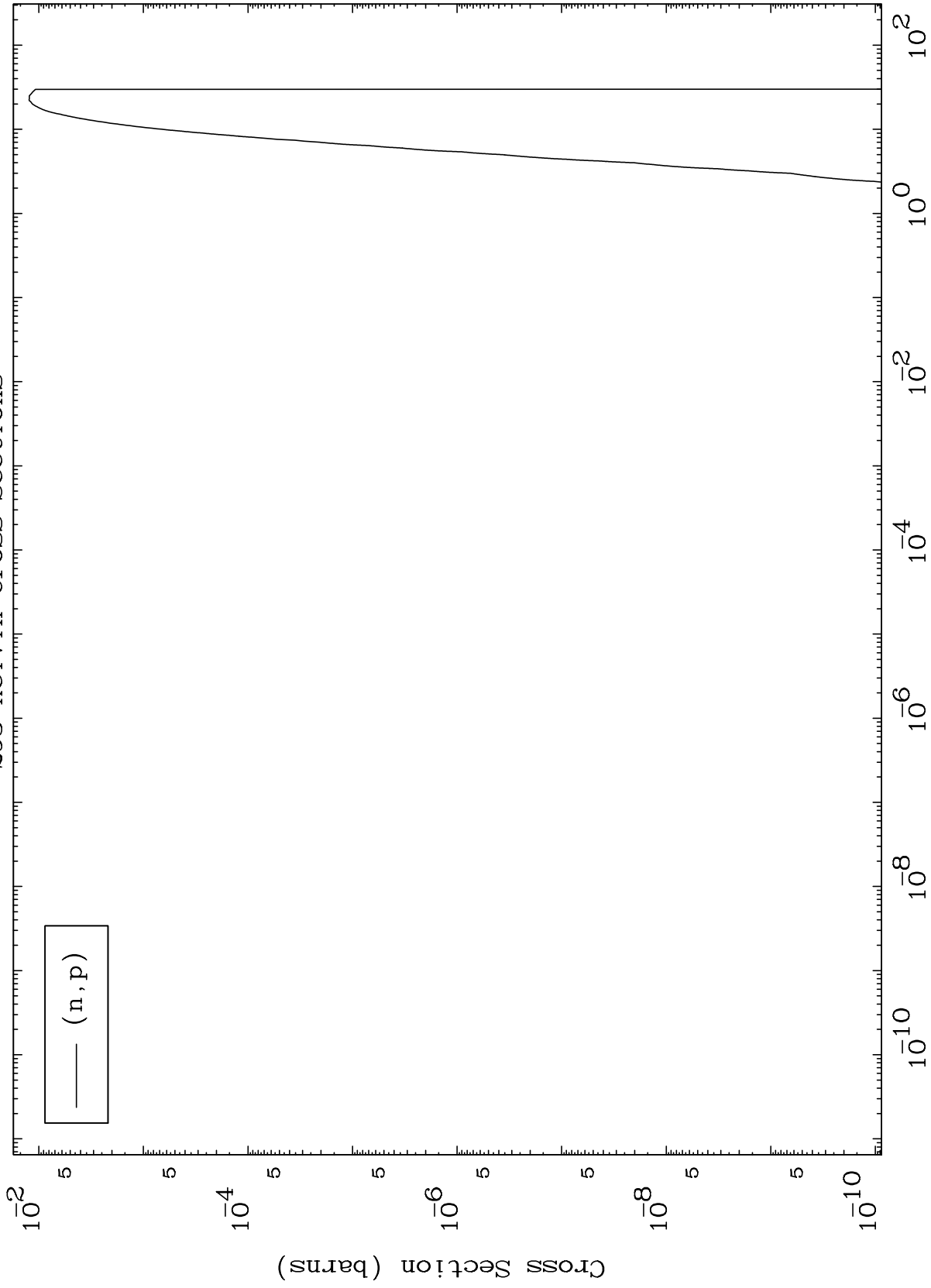
Incident Energy (MeV)

95-Am-242

MAT 9546

(n,p) Levels  
293 Kelvin Cross Sections

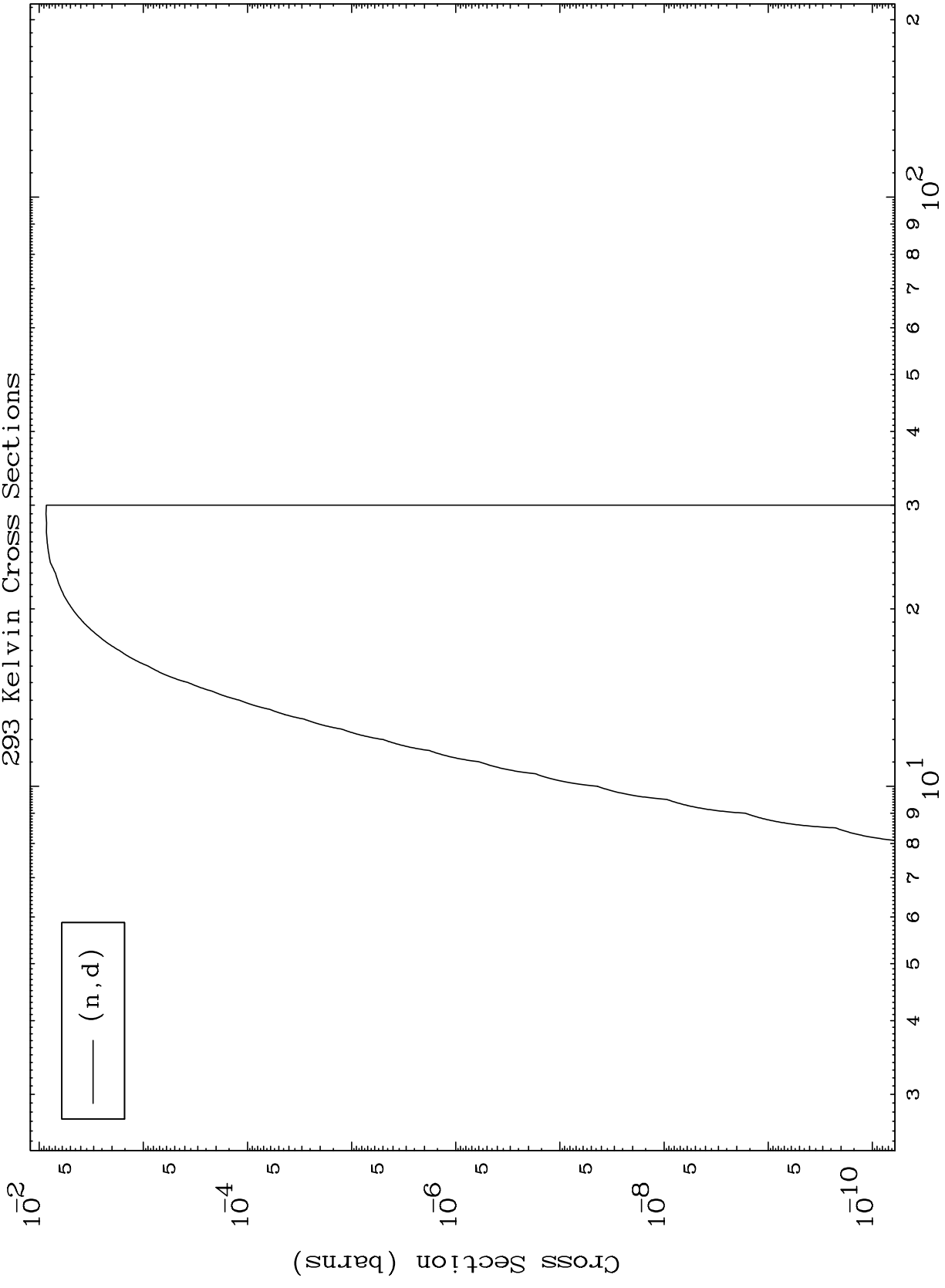
95-Am-242



MAT 9546

(n,d) Levels  
293 Kelvin Cross Sections

95-Am-242



12

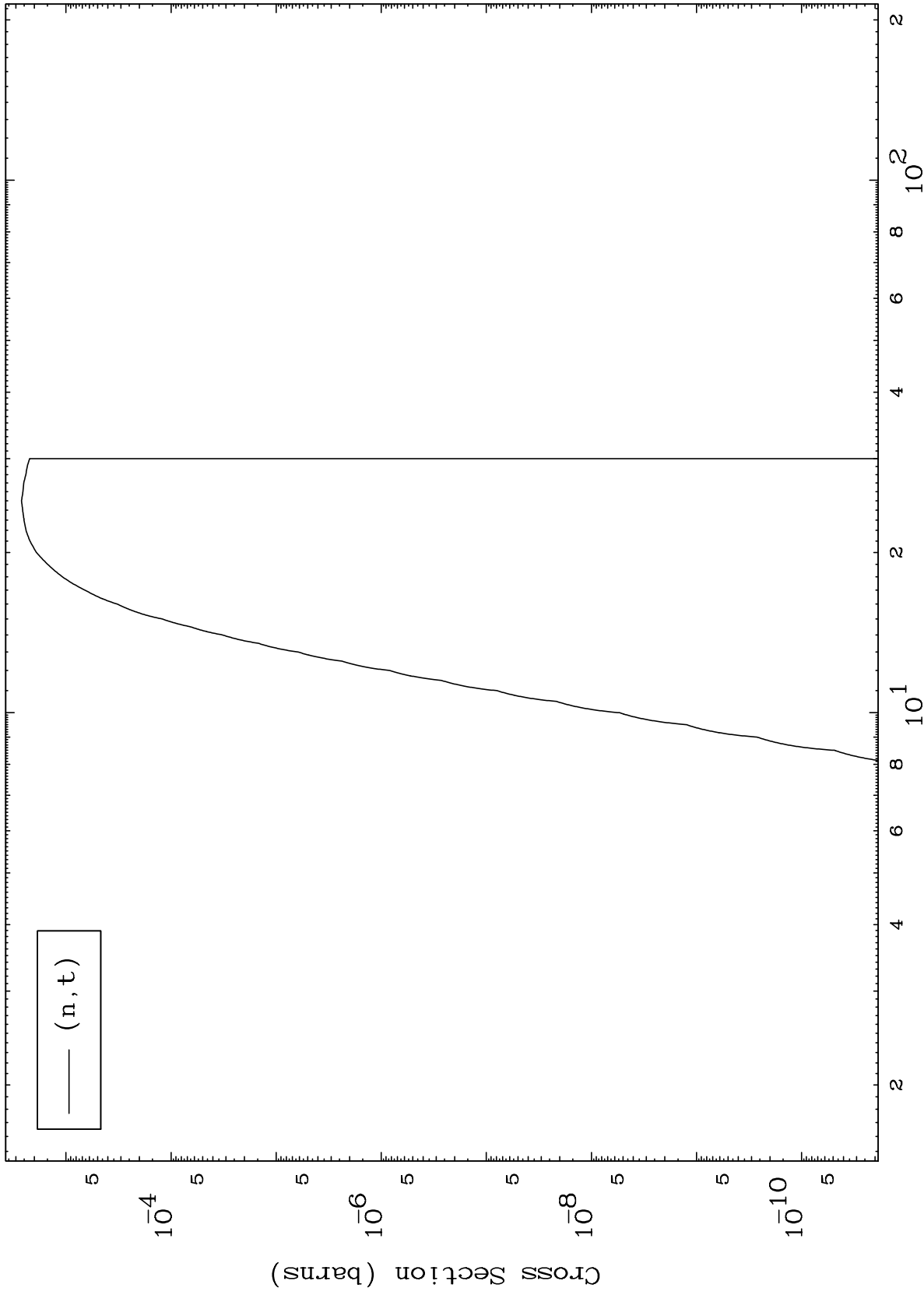
Incident Energy (MeV)

95-Am-242

MAT 9546

(n,t) Levels  
293 Kelvin Cross Sections

95-Am-242



13

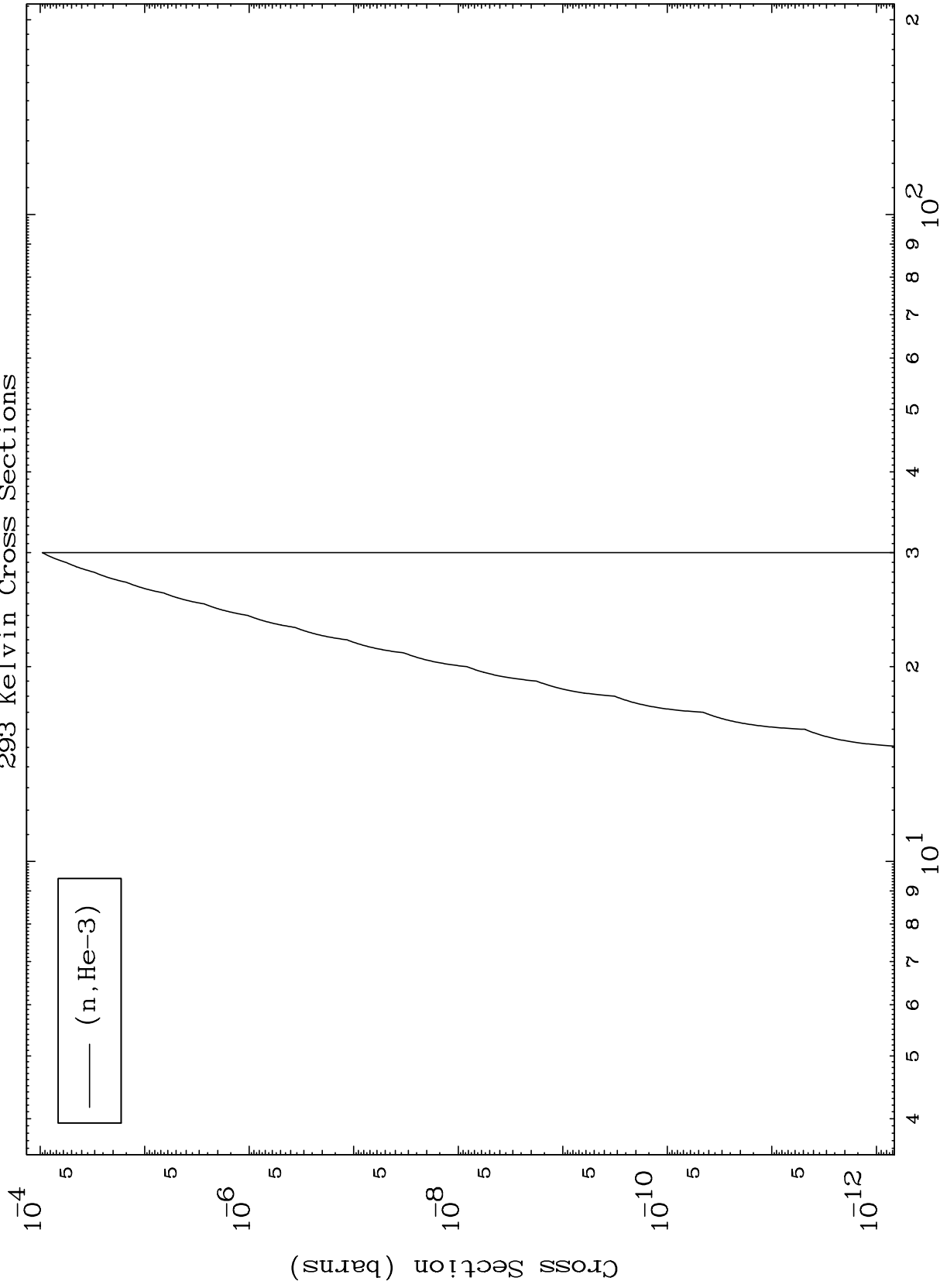
Incident Energy (MeV)

95-Am-242

MAT 9546

(n,He3) Levels  
293 Kelvin Cross Sections

95-Am-242



14

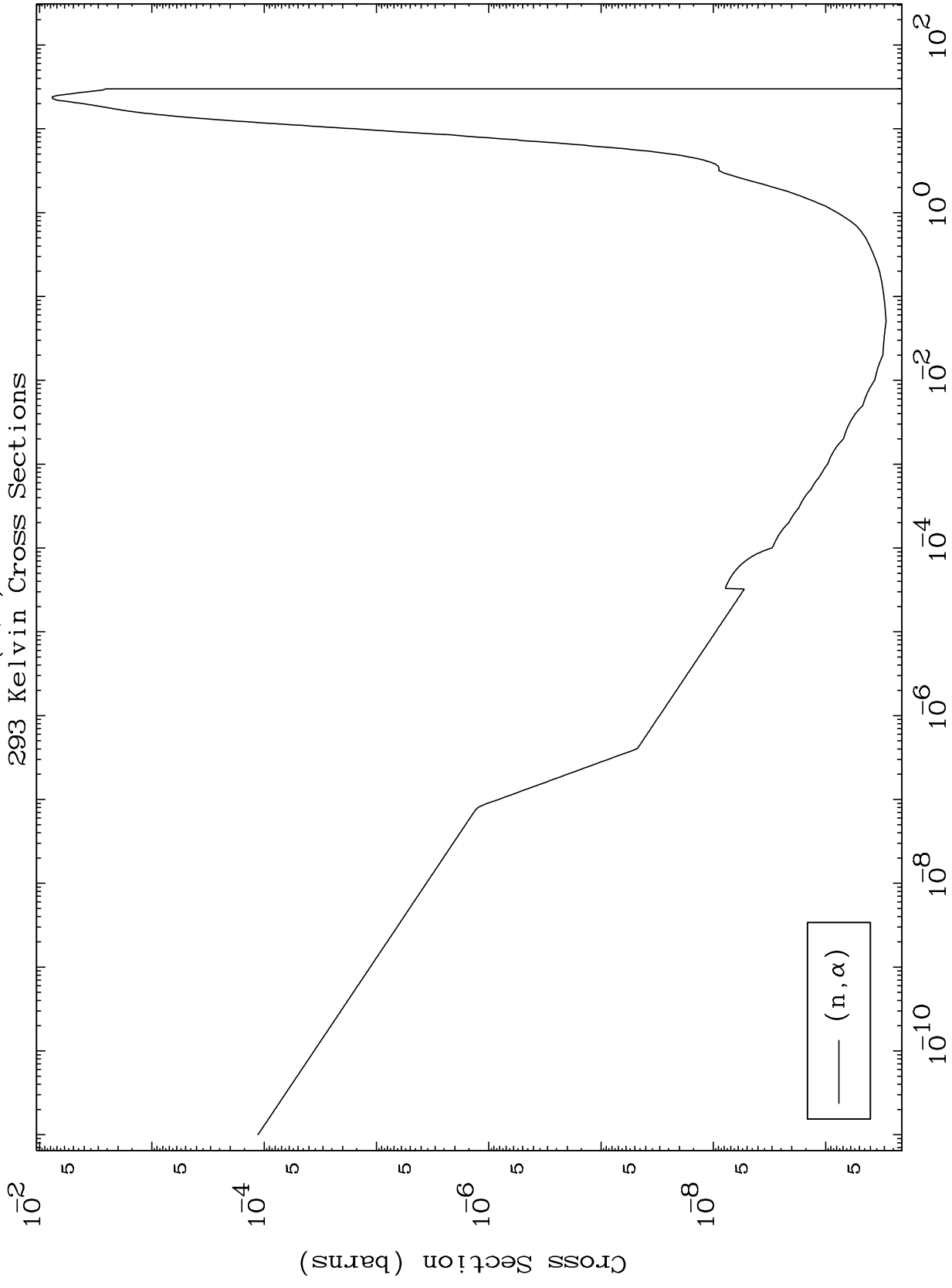
Incident Energy (MeV)

95-Am-242

MAT 9546

(n,α) Levels  
293 Kelvin Cross Sections

95-Am-242



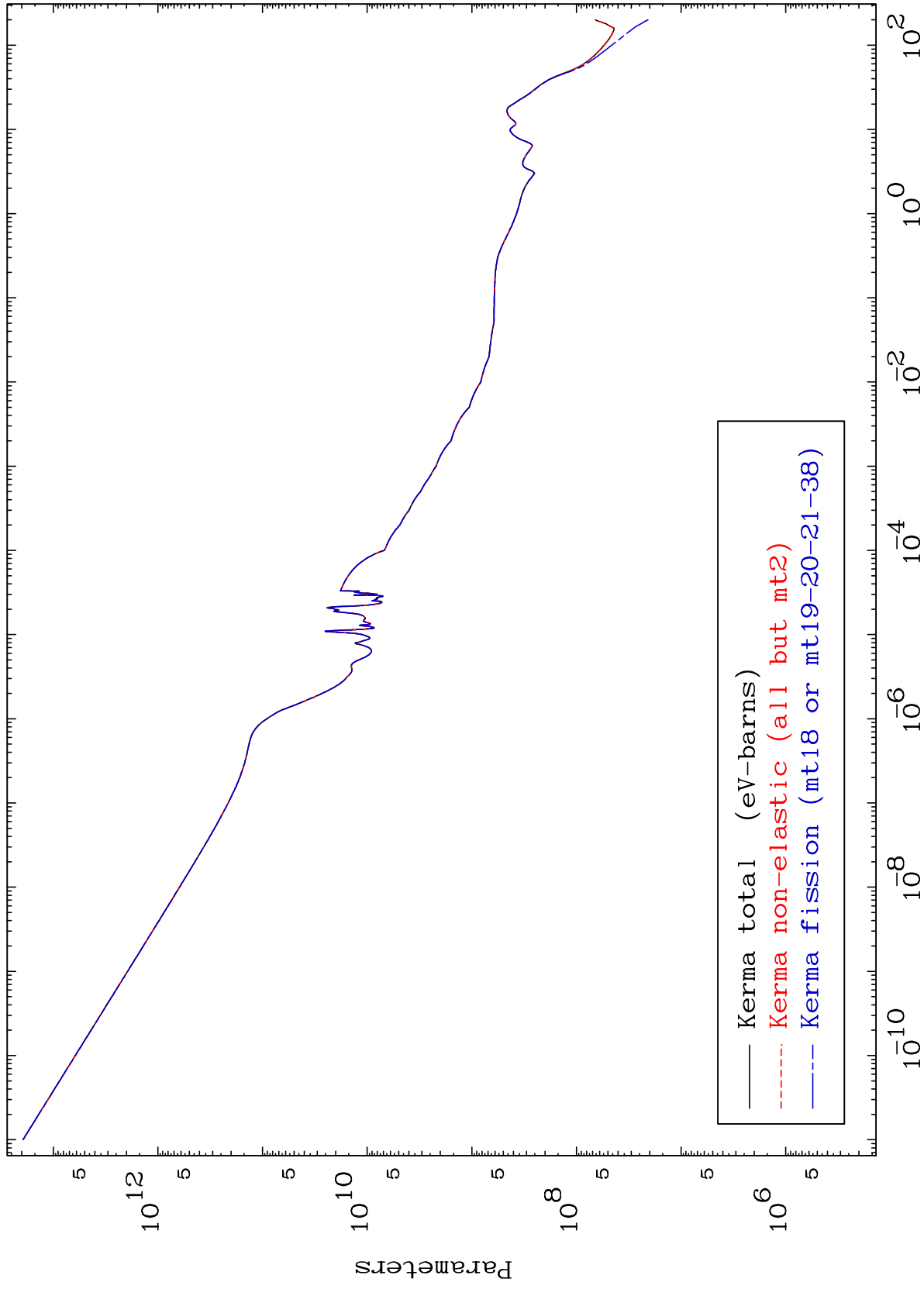
— (n, α)



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Energy Release  
Parameters

95-Am-242



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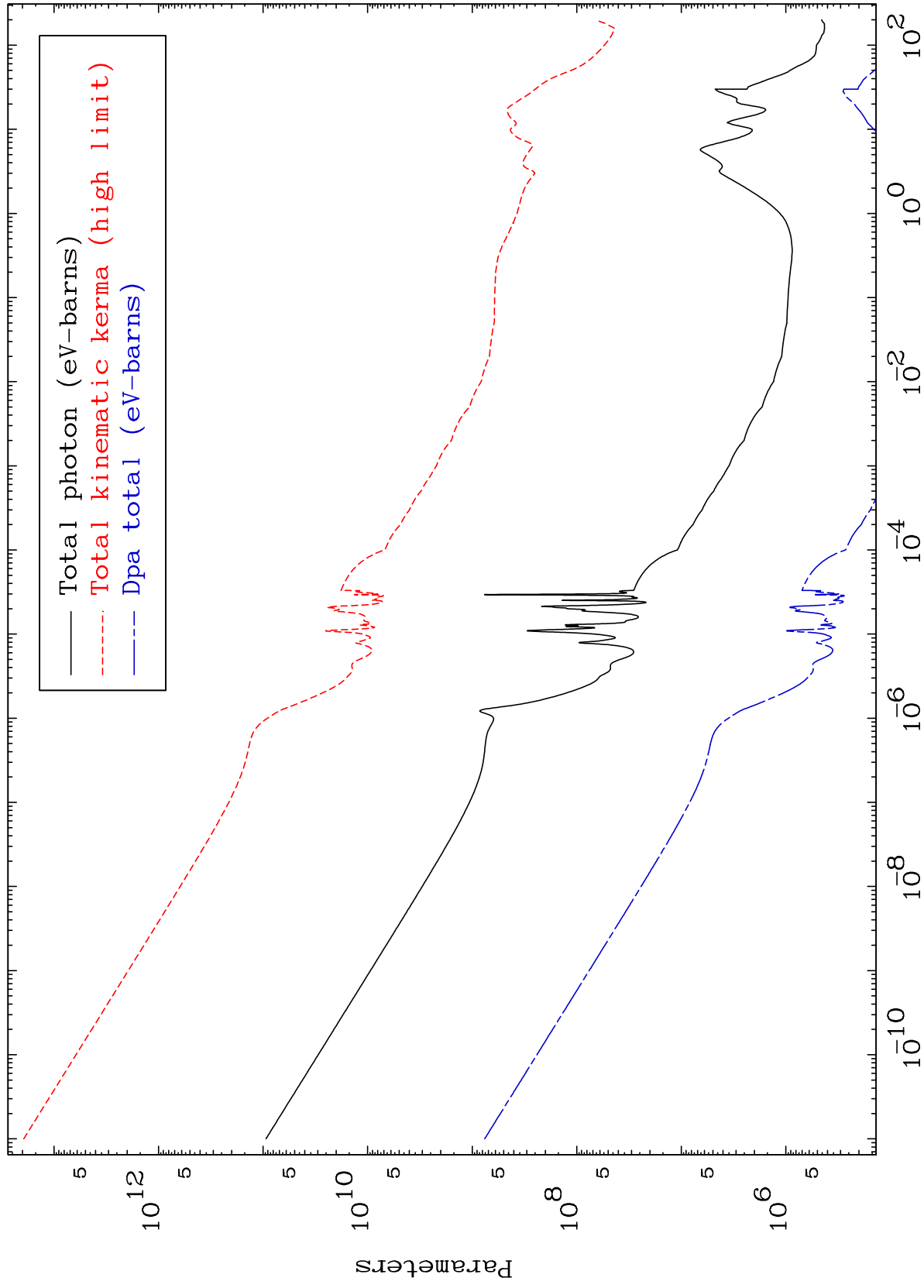
Incident Energy (MeV)

95-Am-242

MAT 9546

Energy Release  
Parameters

95-Am-242



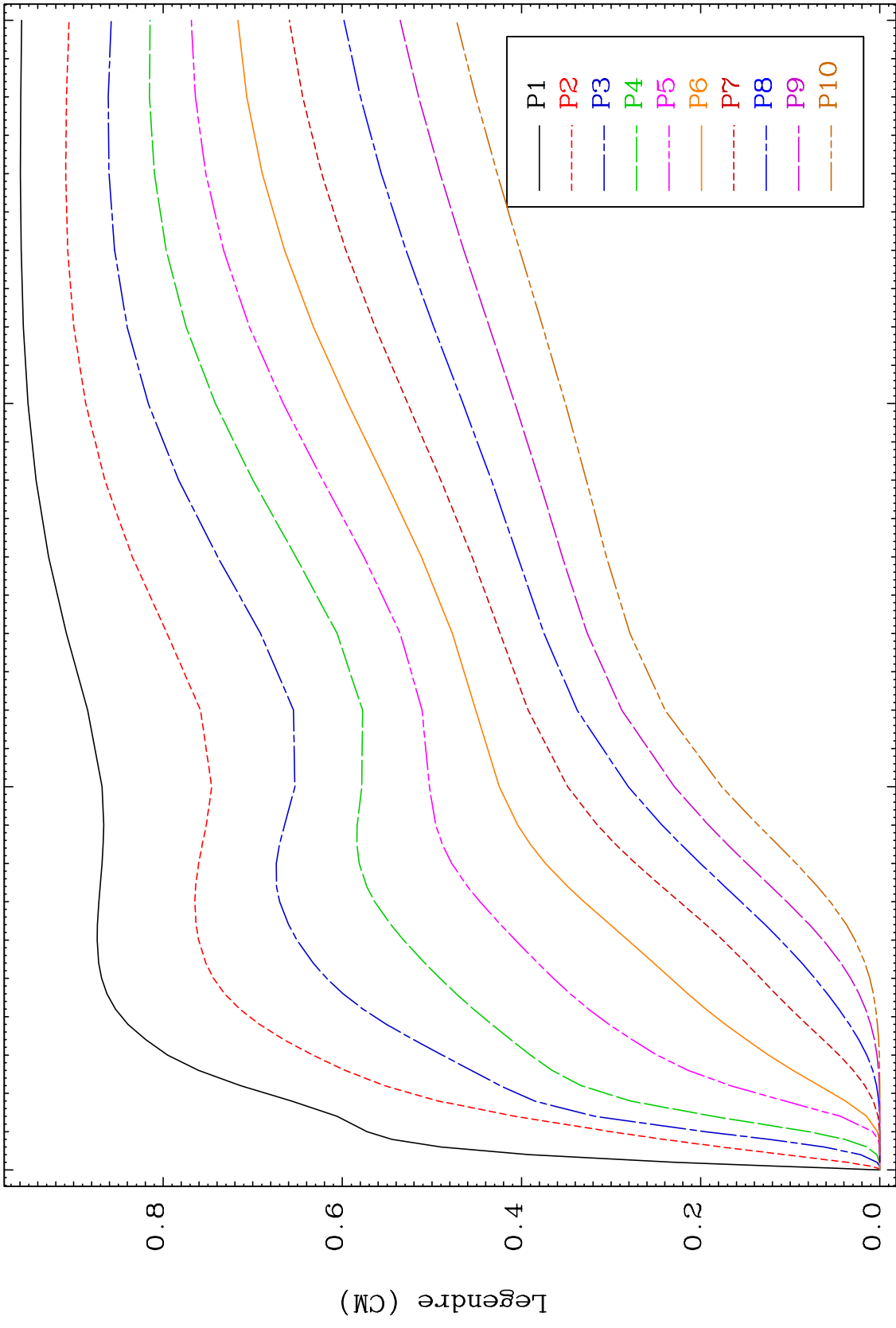
17

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Elastic Legendre Coefficients

95-Am-242



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Incident Energy (MeV)

95-Am-242

30

20

10

0.0

0.2

0.4

0.6

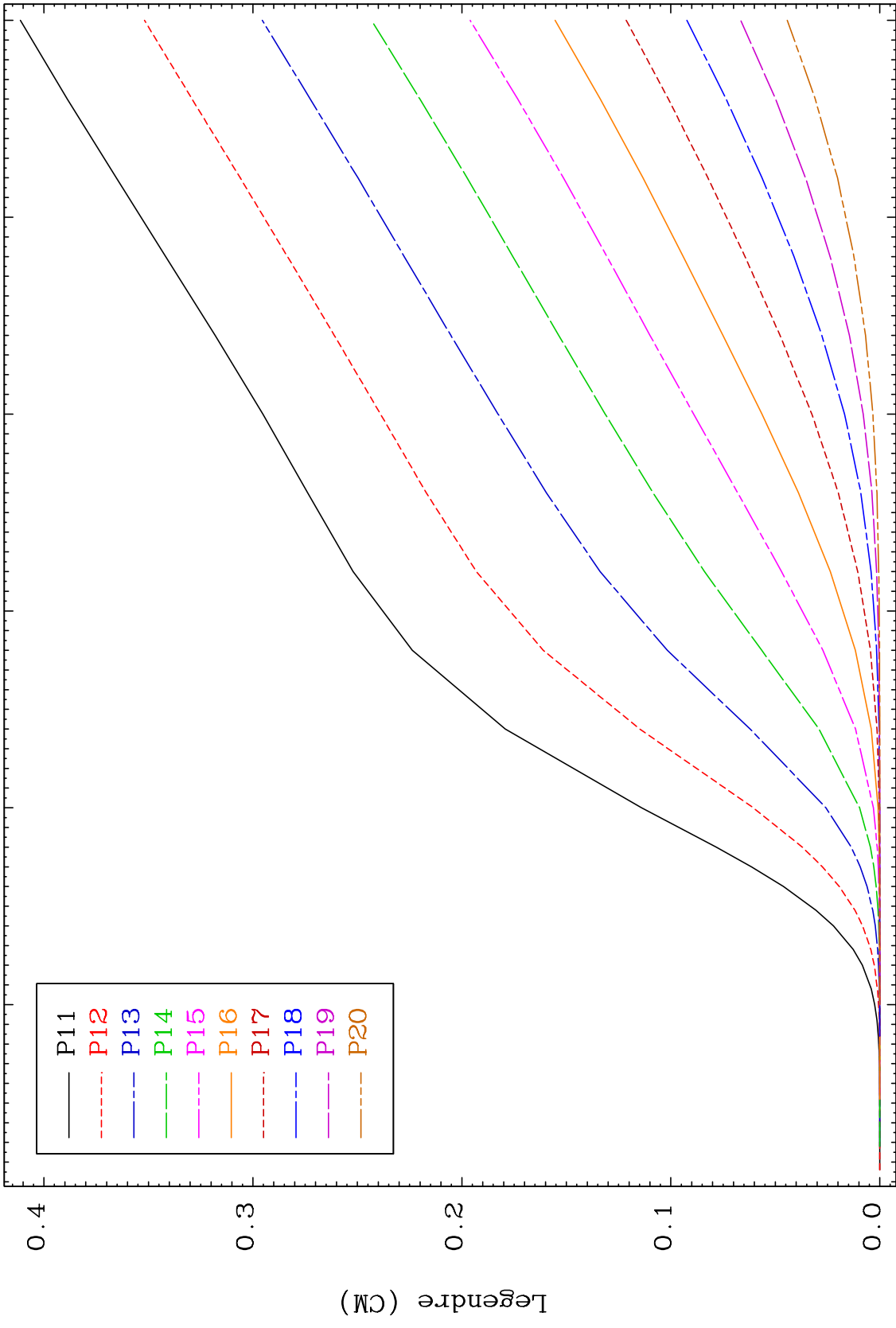
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Legendre (CM)

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Elastic Legendre Coefficients

95-Am-242



19

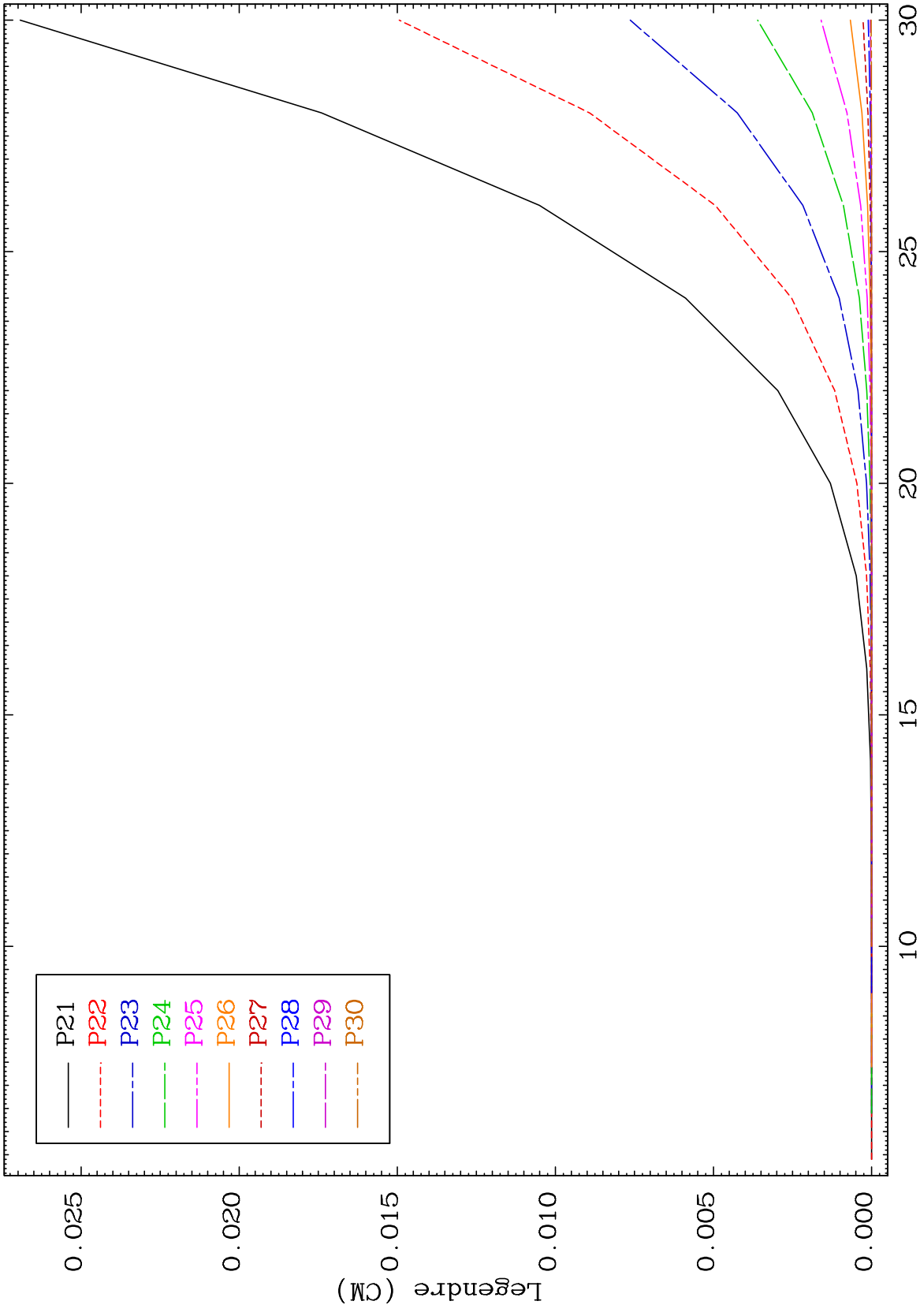
Incident Energy (MeV)

95-Am-242

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### Elastic Legendre Coefficients

95-Am-242



20

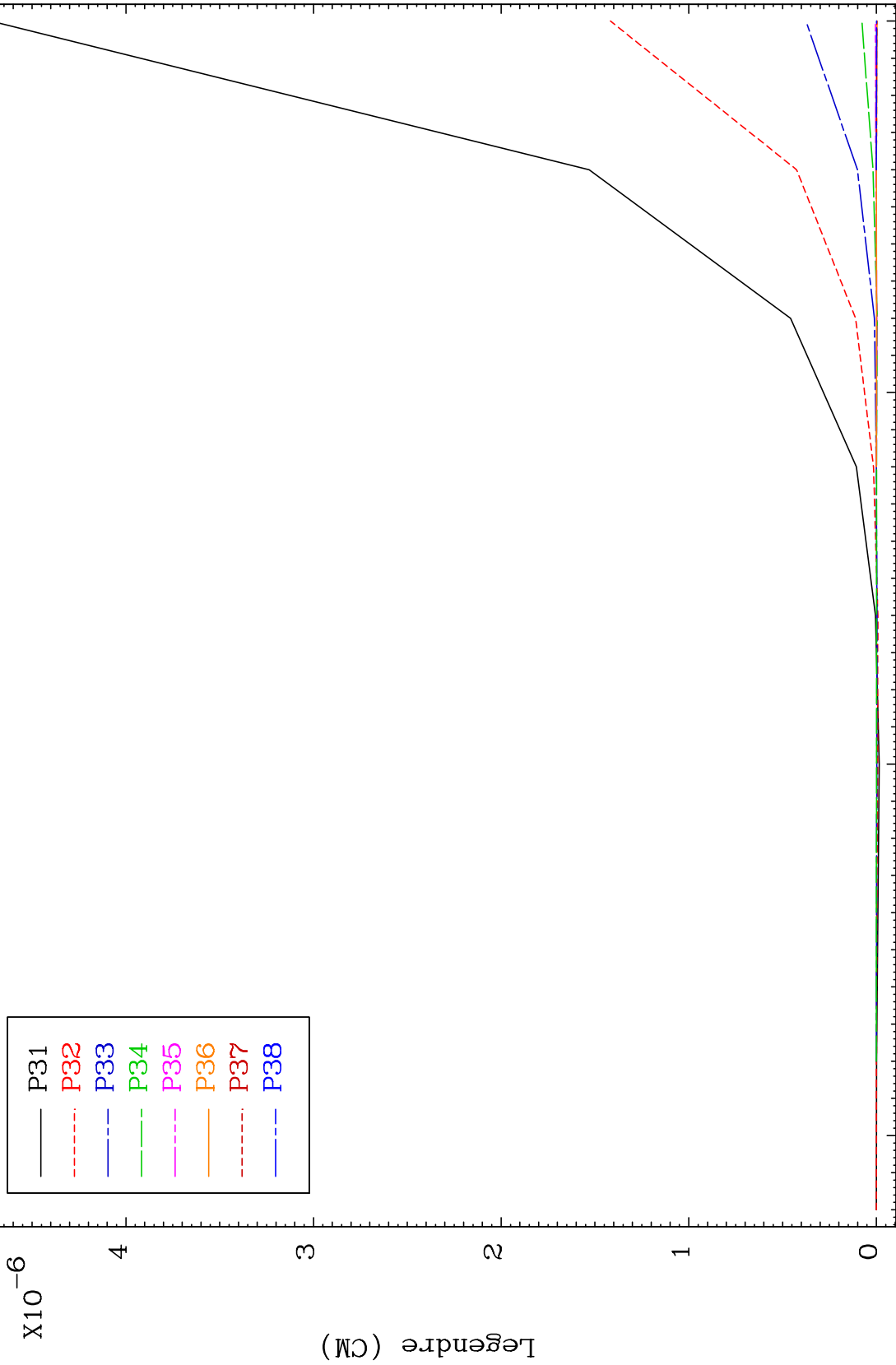
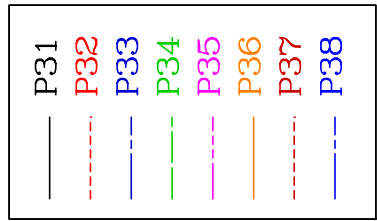
Incident Energy (MeV)

95-Am-242

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Elastic Legendre Coefficients

95-Am-242



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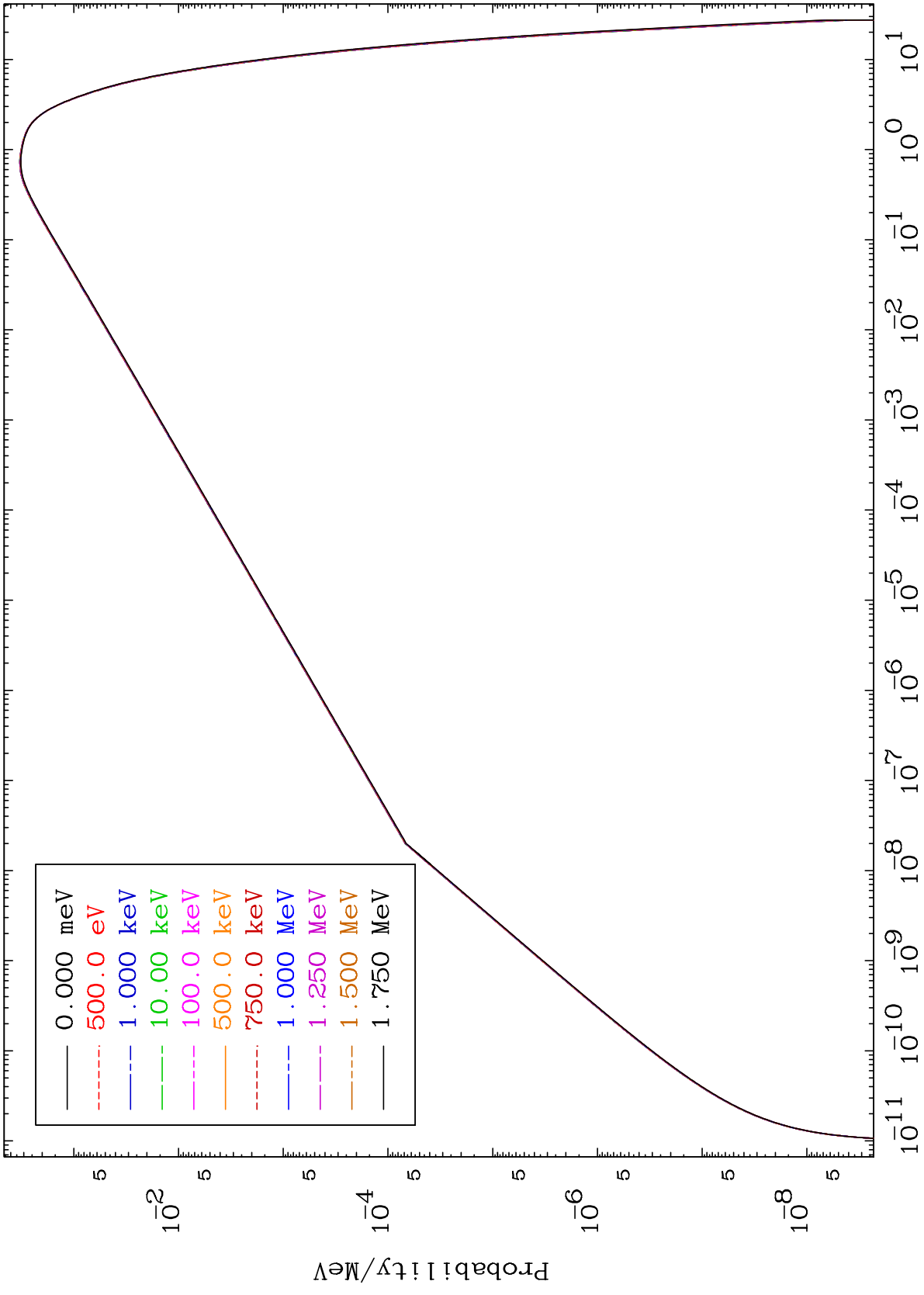
Incident Energy (MeV)

95-Am-242

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# Fission Energy Distribution

95-Am-242

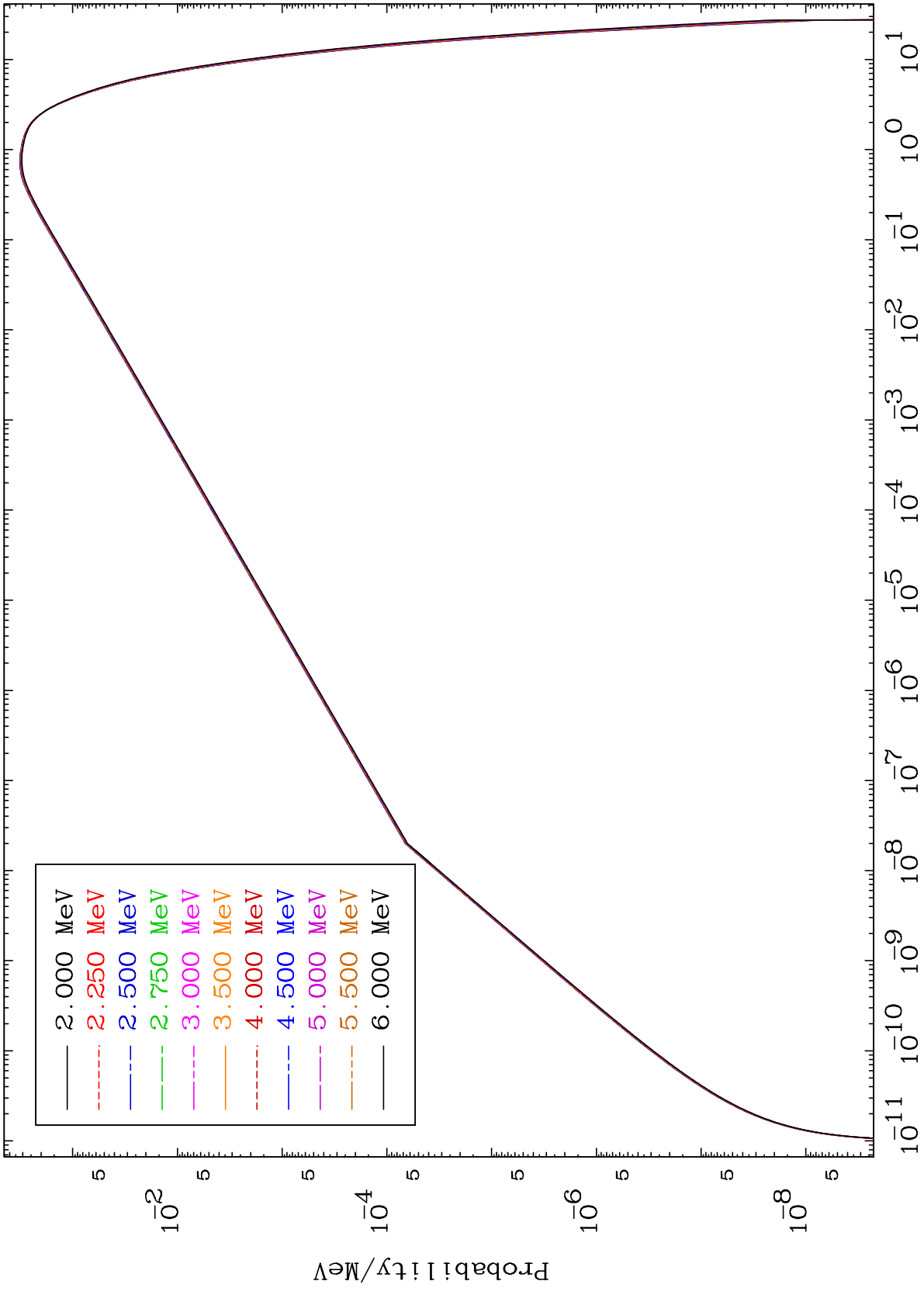


95-Am-242

MAT 9546

# Fission Energy Distribution

95-Am-242



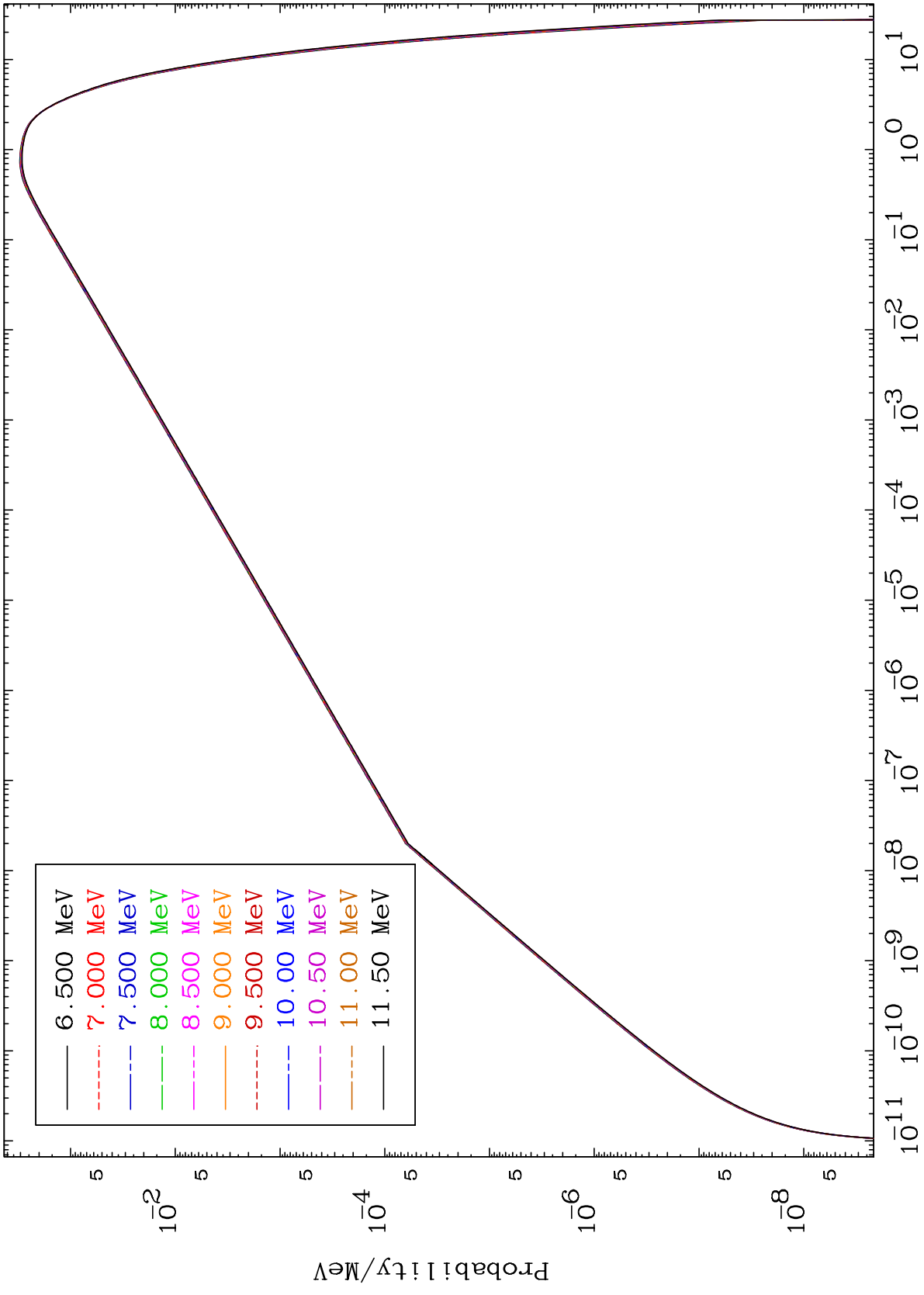
95-Am-242



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# Fission Energy Distribution

95-Am-242

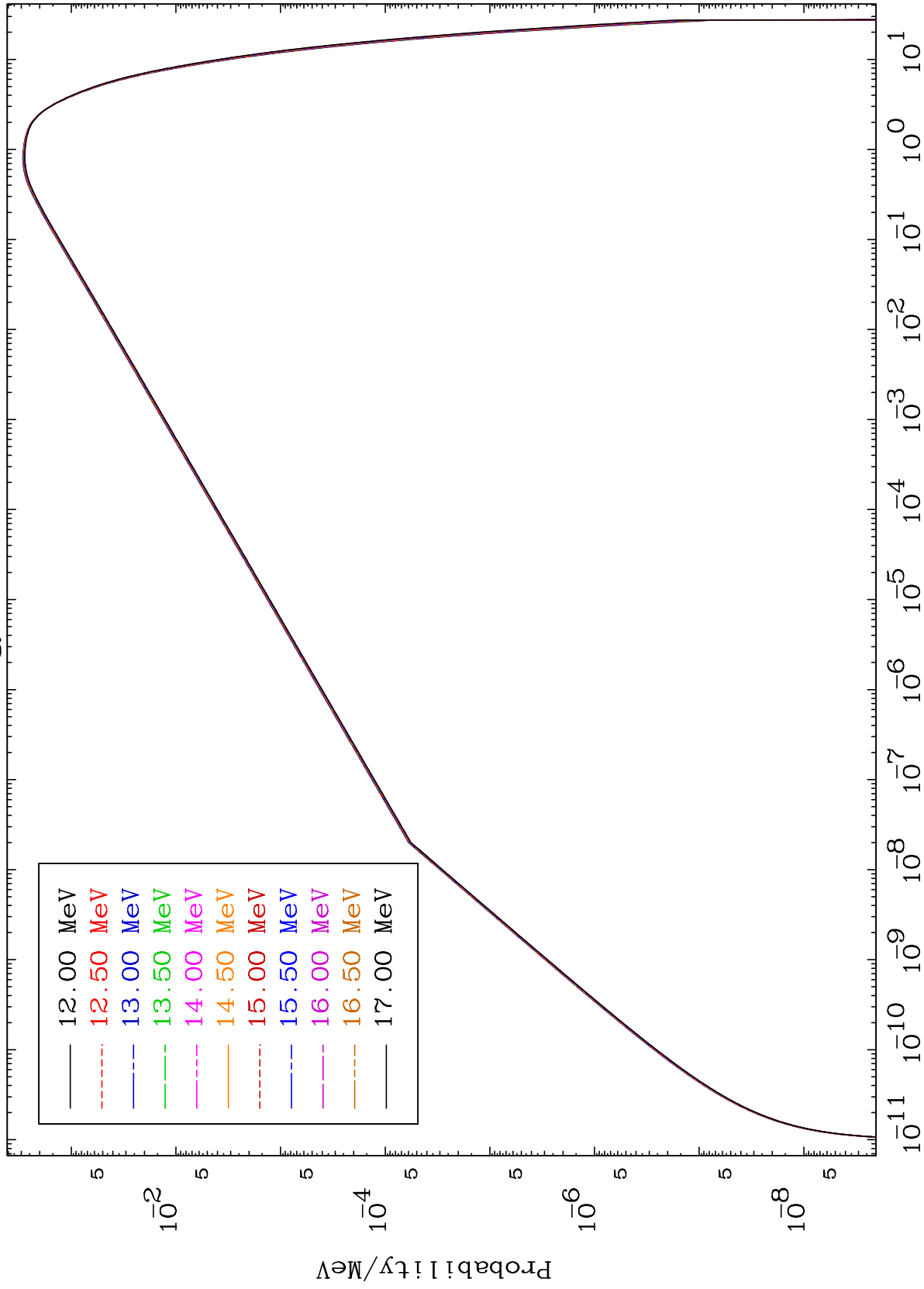


95-Am-242

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# Fission Energy Distribution

95-Am-242



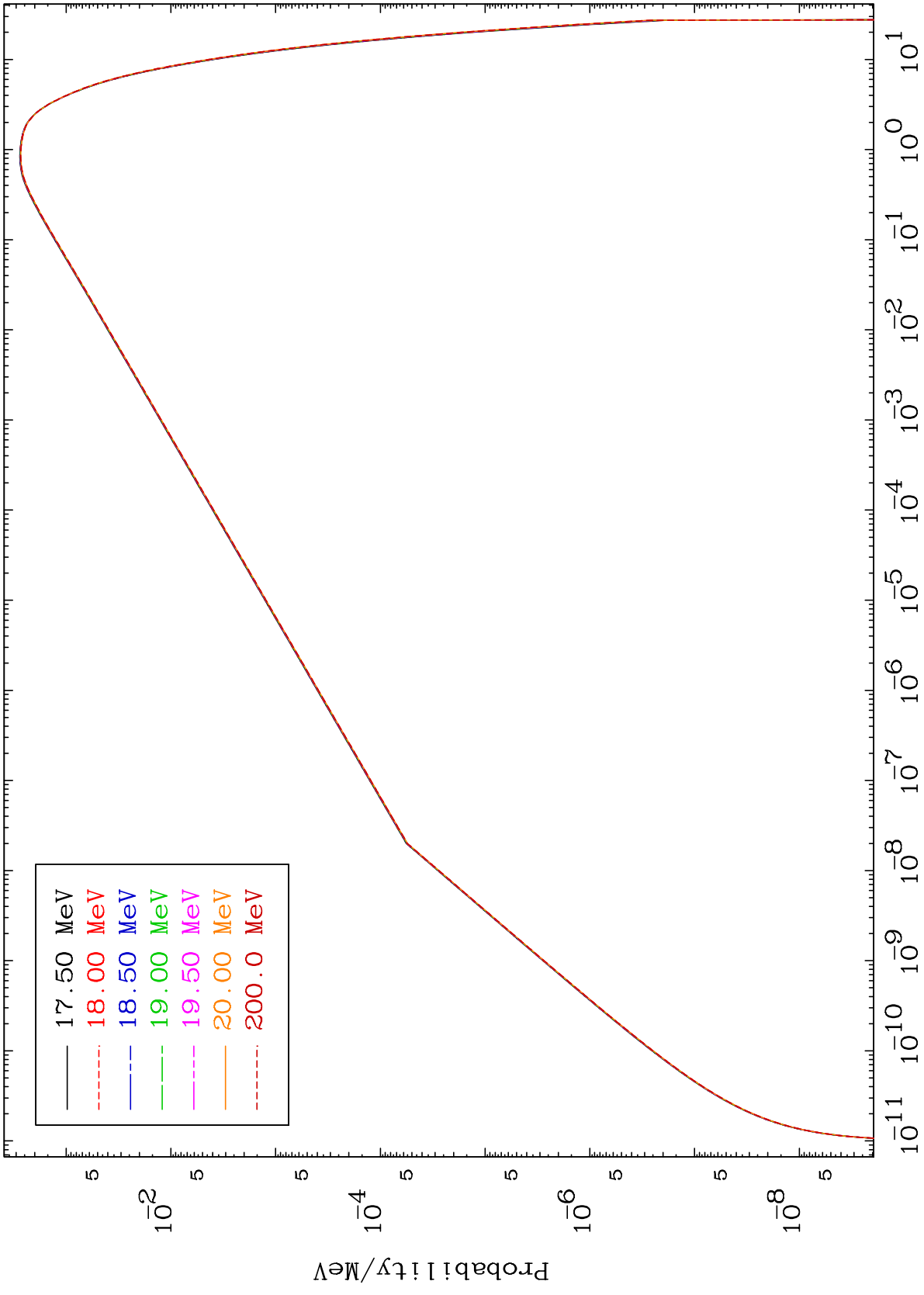
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95-Am-242

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### Fission Energy Distribution

95-Am-242

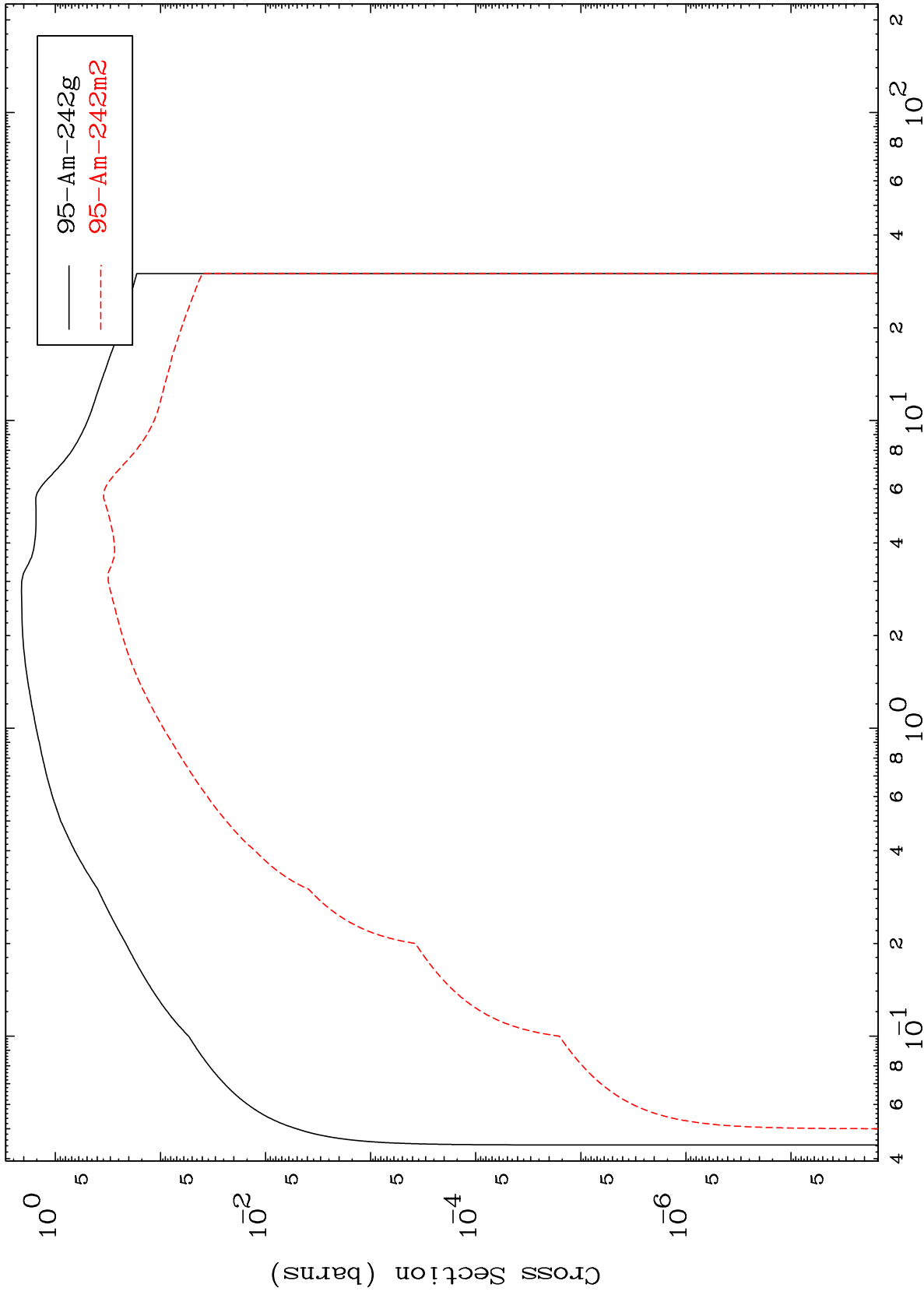


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# Inelastic Radionuclide Production Cross Section

95-Am-242



27

Incident Energy (MeV)

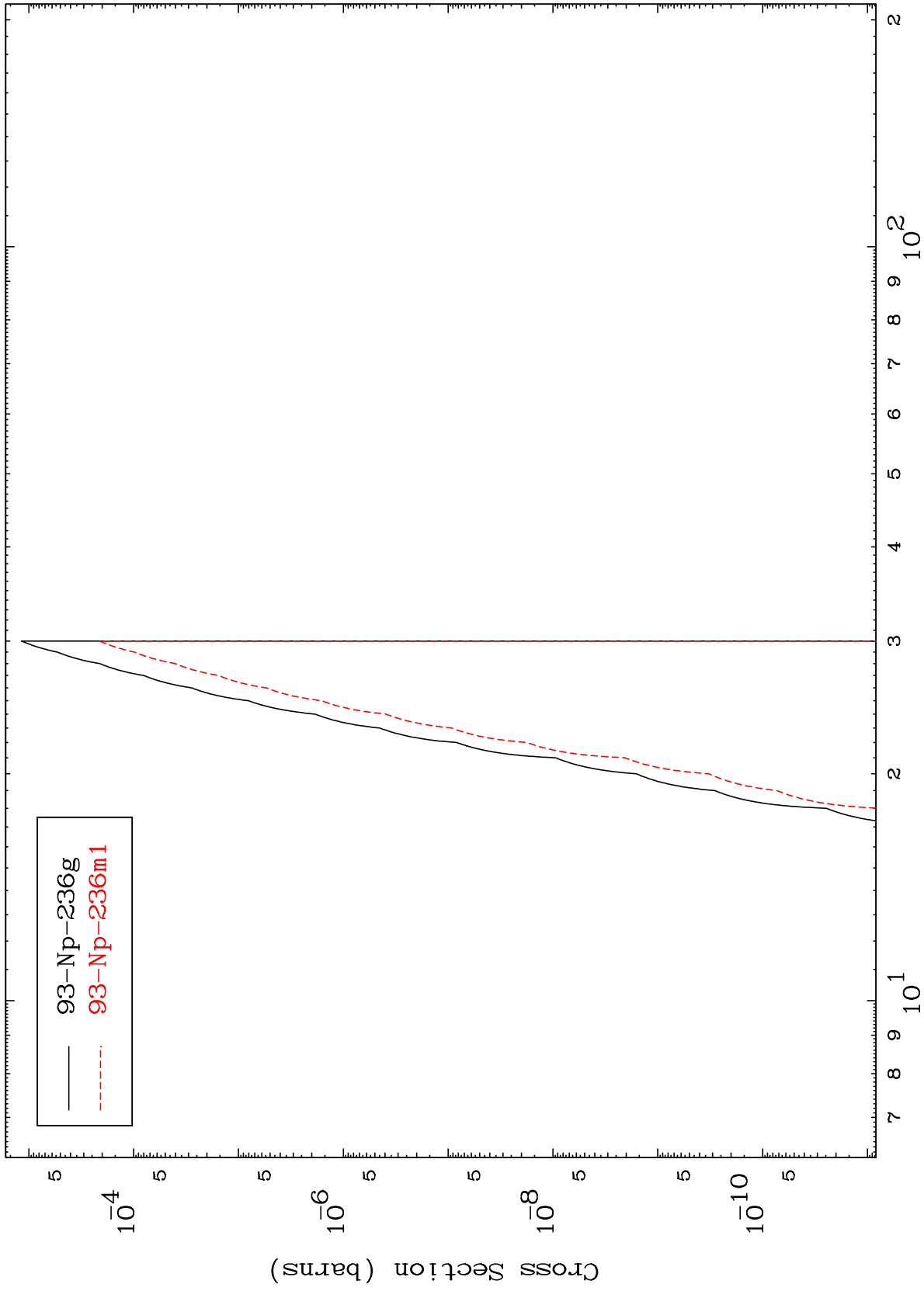
95-Am-242

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(n,3n)  $\alpha$

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Radionuclide Production Cross Section



28

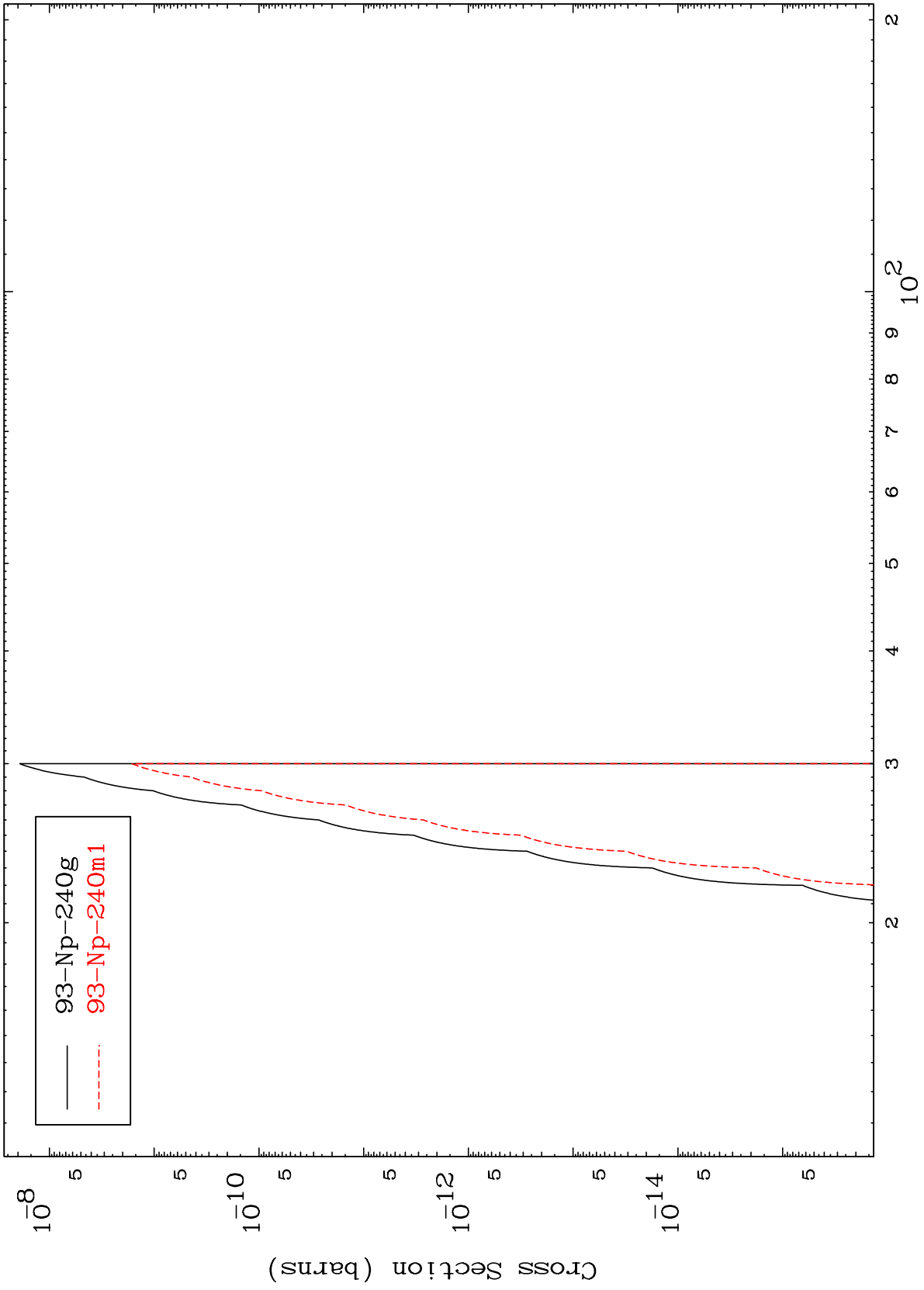
Incident Energy (MeV)

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95-Am-242

(n,2n) p  
Radionuclide Production Cross Section



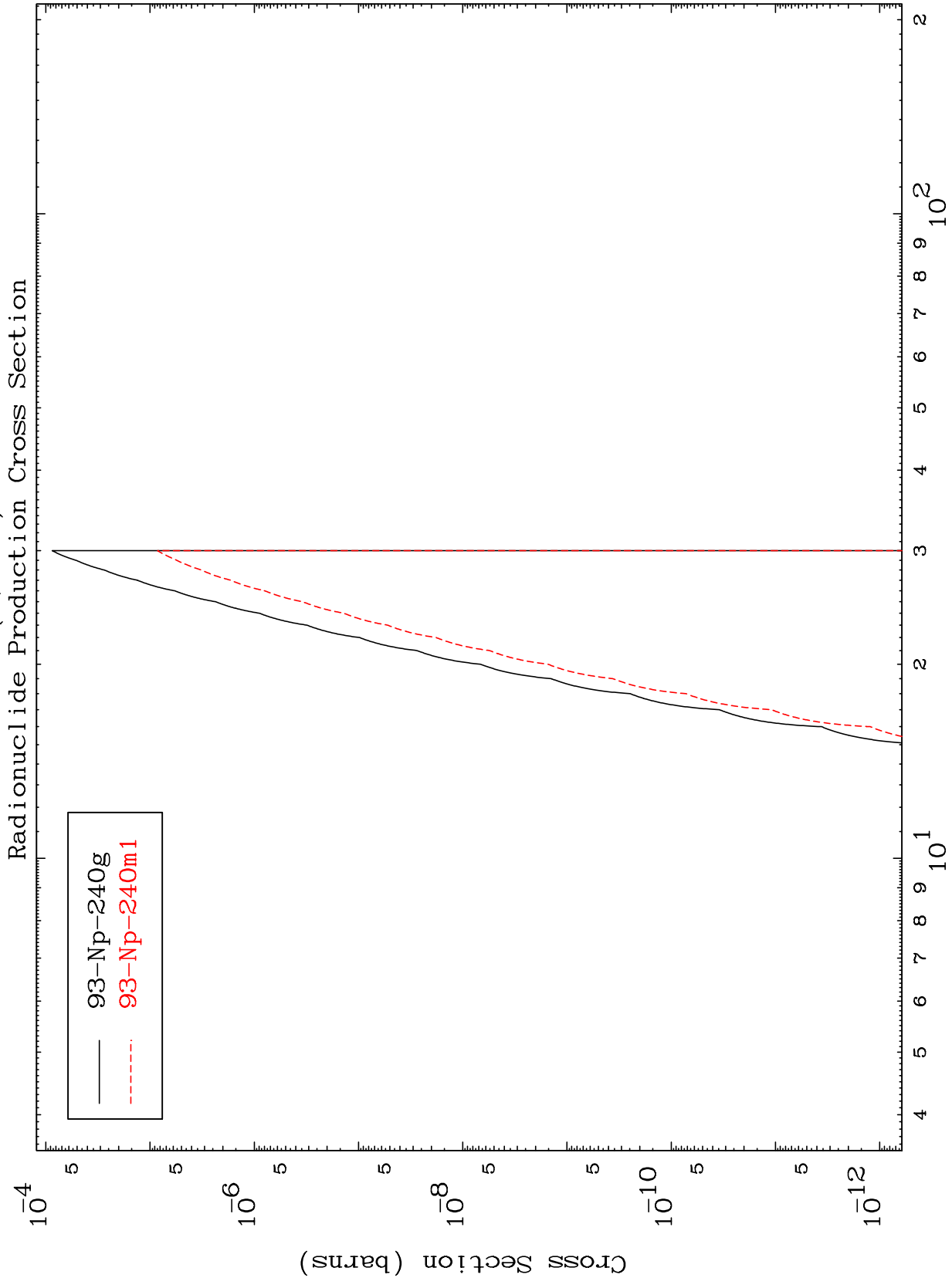
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(n, He-3)

95-Am-242



30

Incident Energy (MeV)

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