

Program EVALPLOT  
(Version 2021-1)

by

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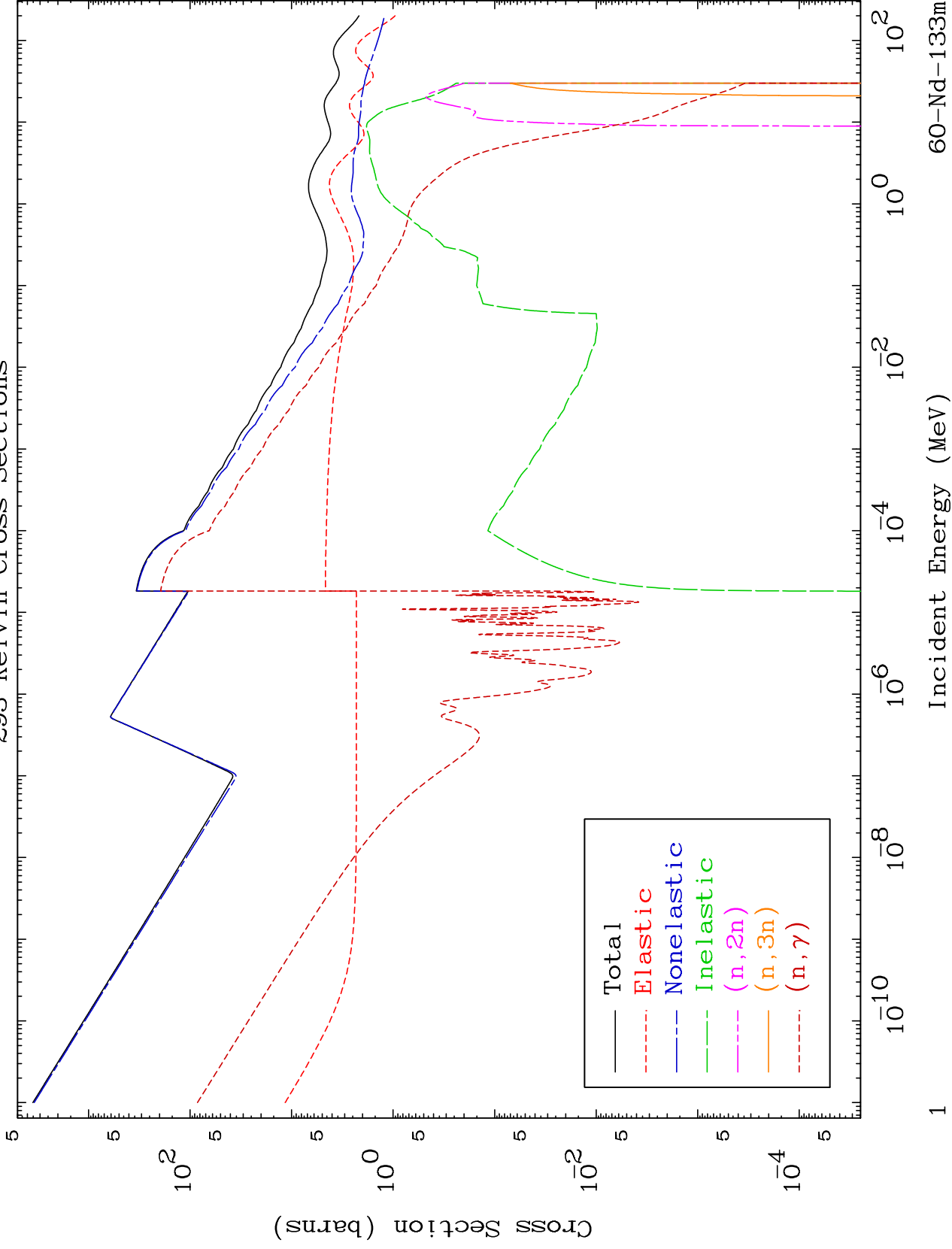
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5999

Neutron Major  
293 Kelvin Cross Sections

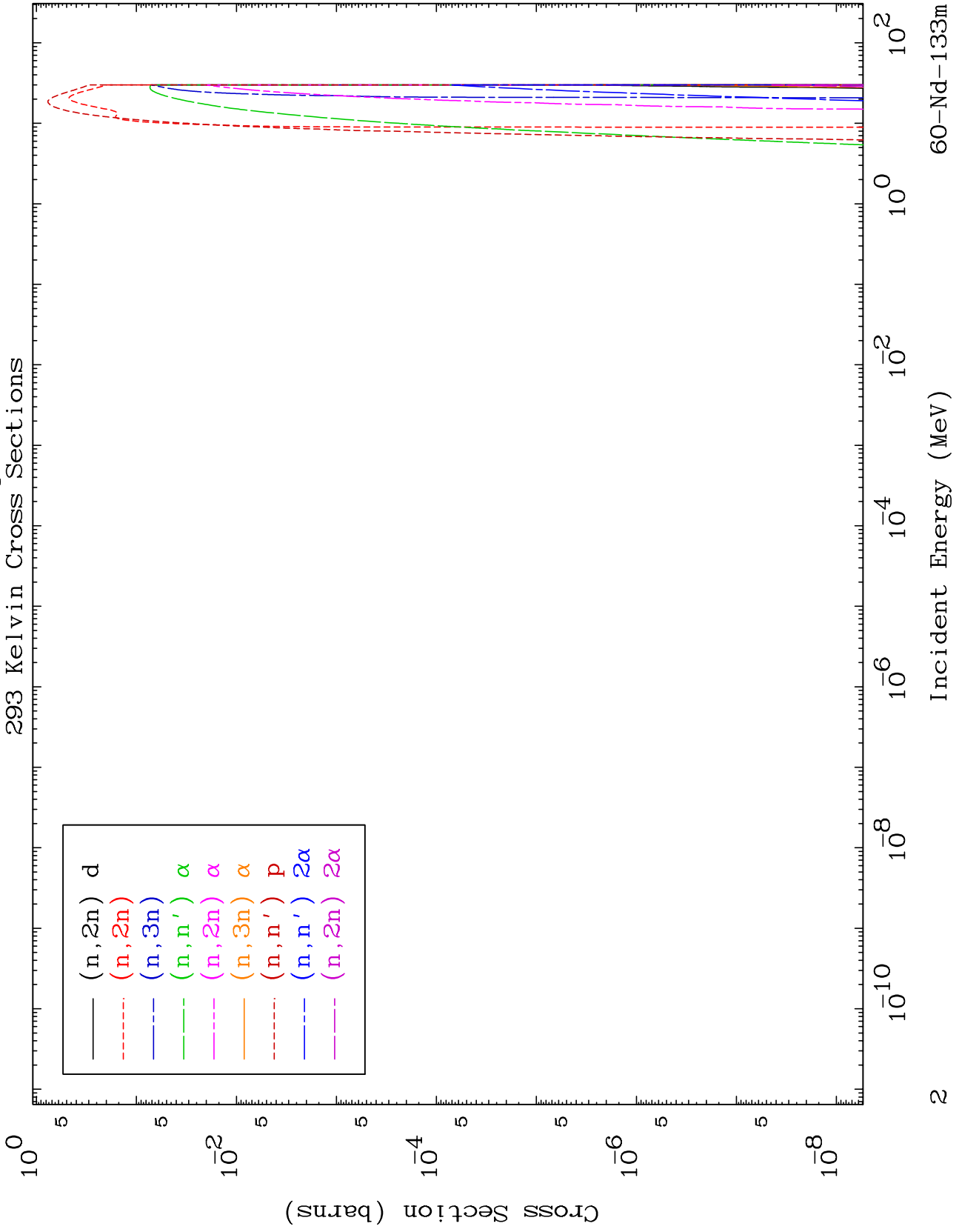
60-Nd-133m



MAT 5999

Neutron Absorption  
293 Kelvin Cross Sections

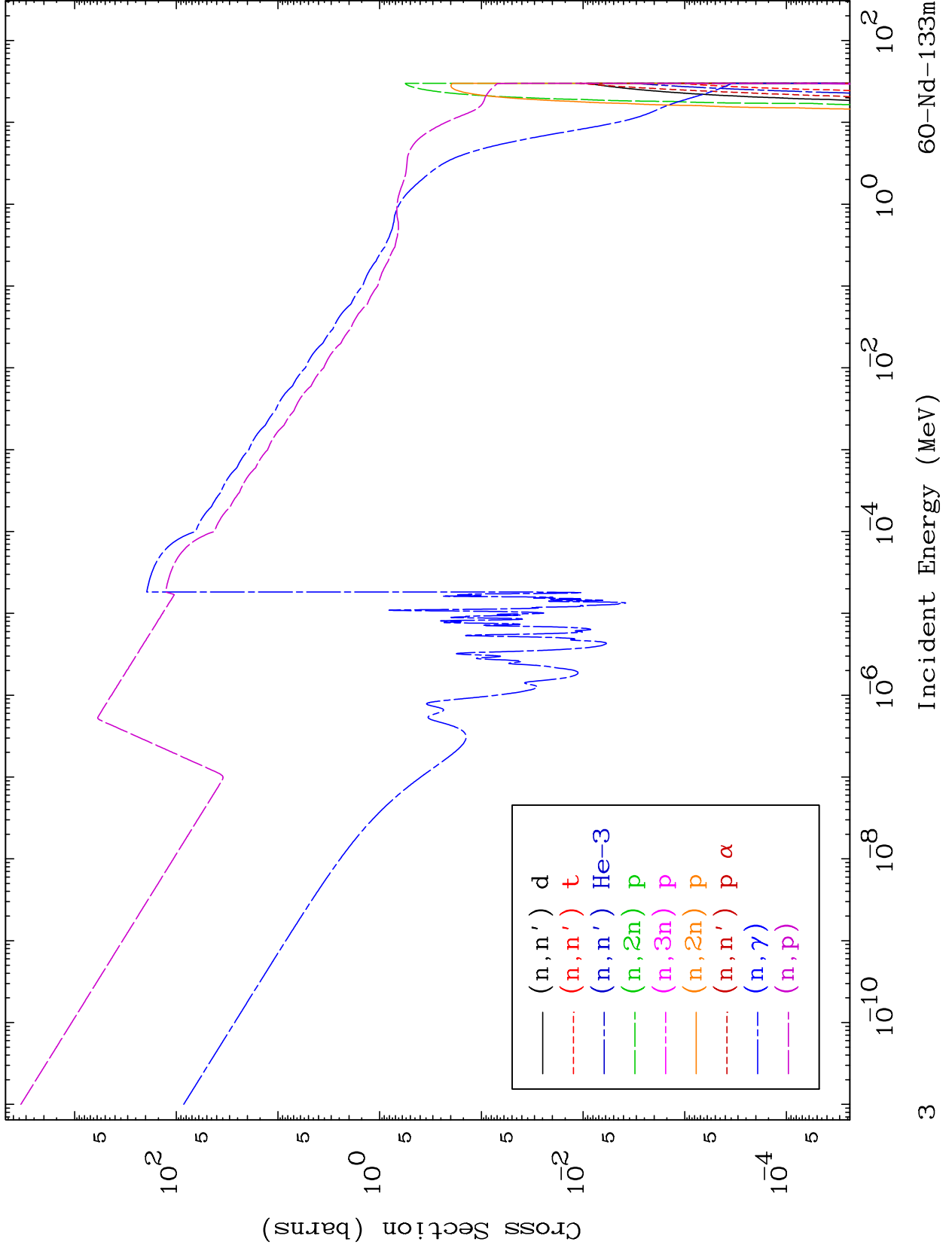
60-Nd-133m



MAT 5999

Neutron Absorption  
293 Kelvin Cross Sections

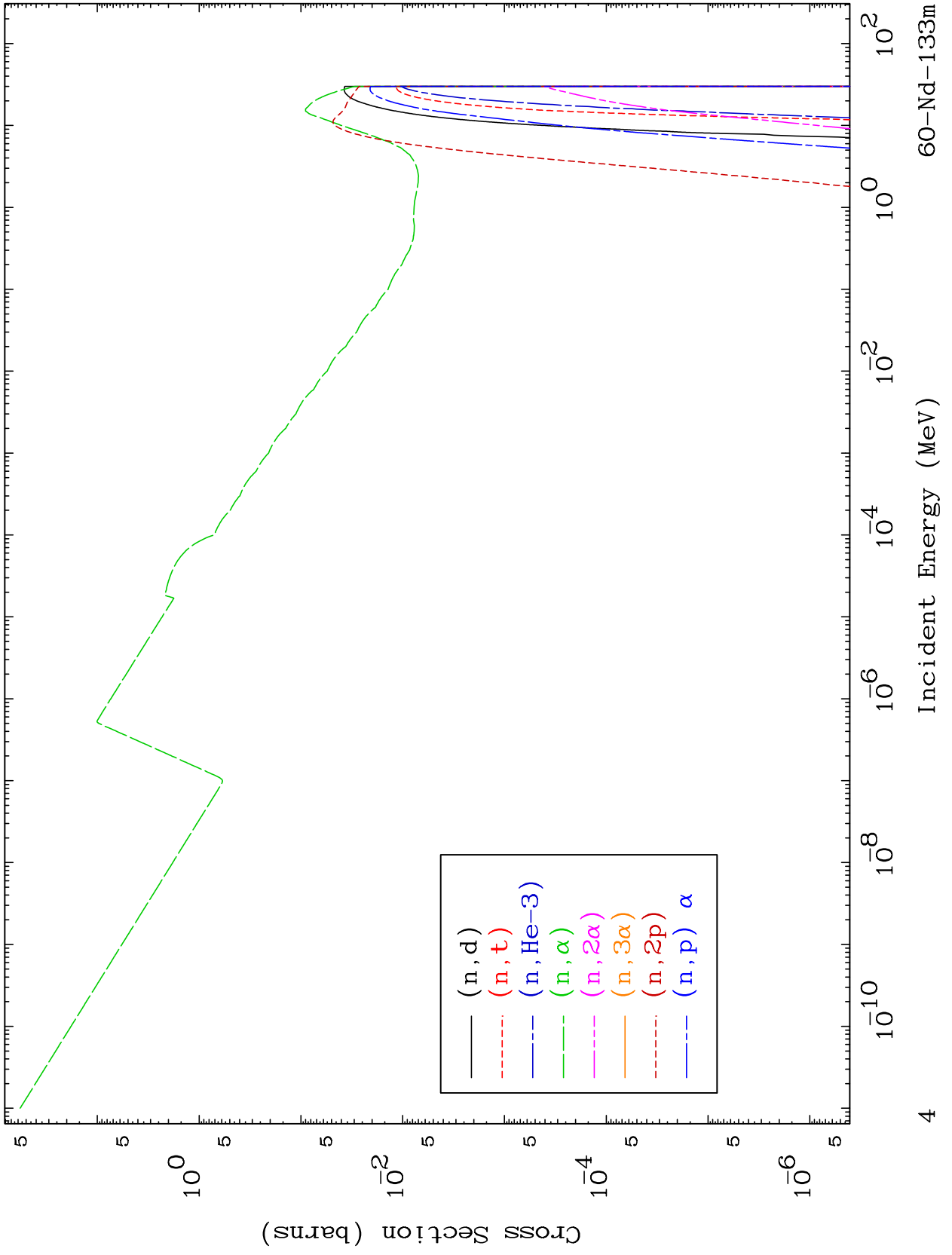
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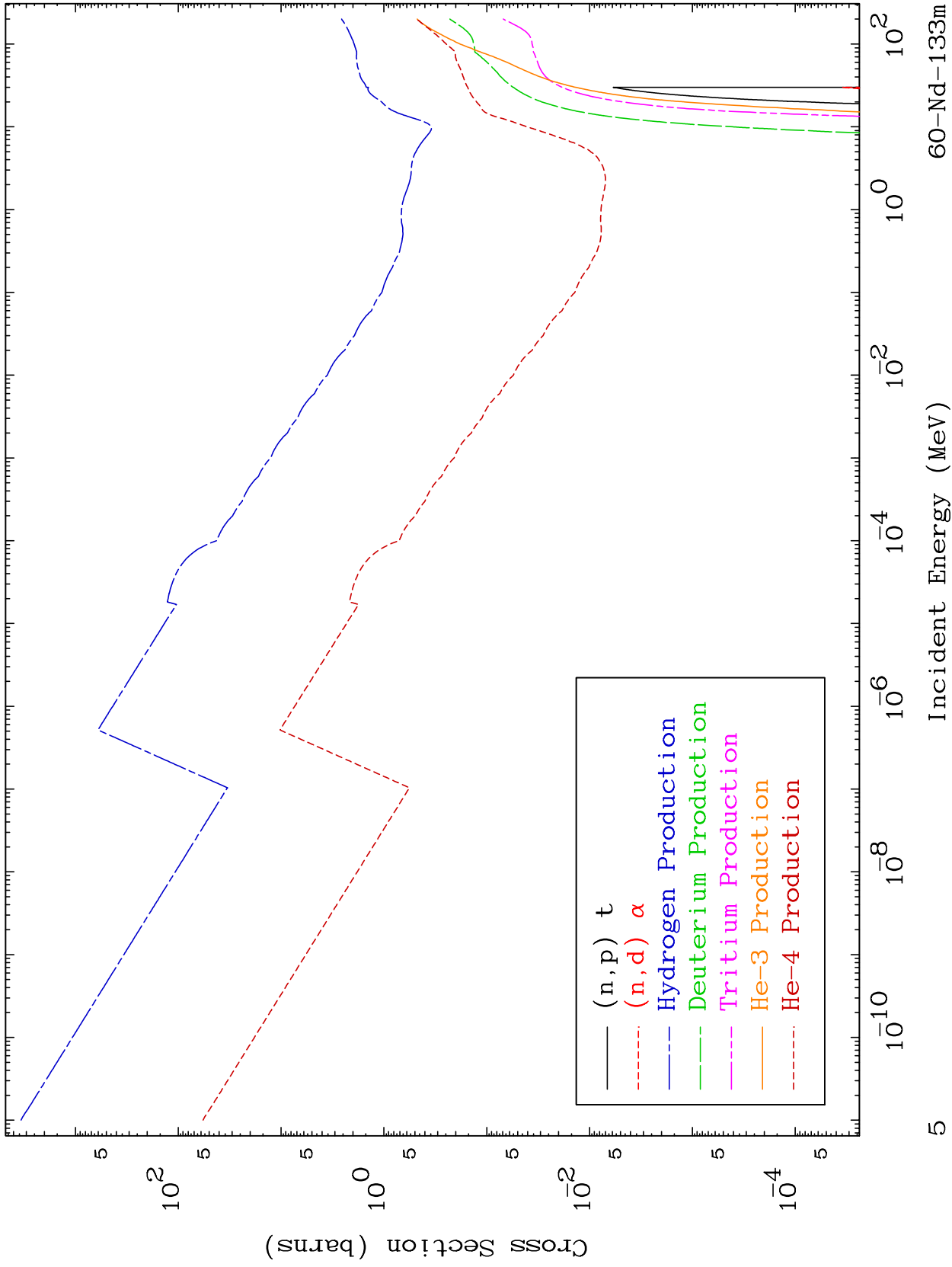


MAT 5999

Neutron Absorption  
293 Kelvin Cross Sections

60-Nd-133m

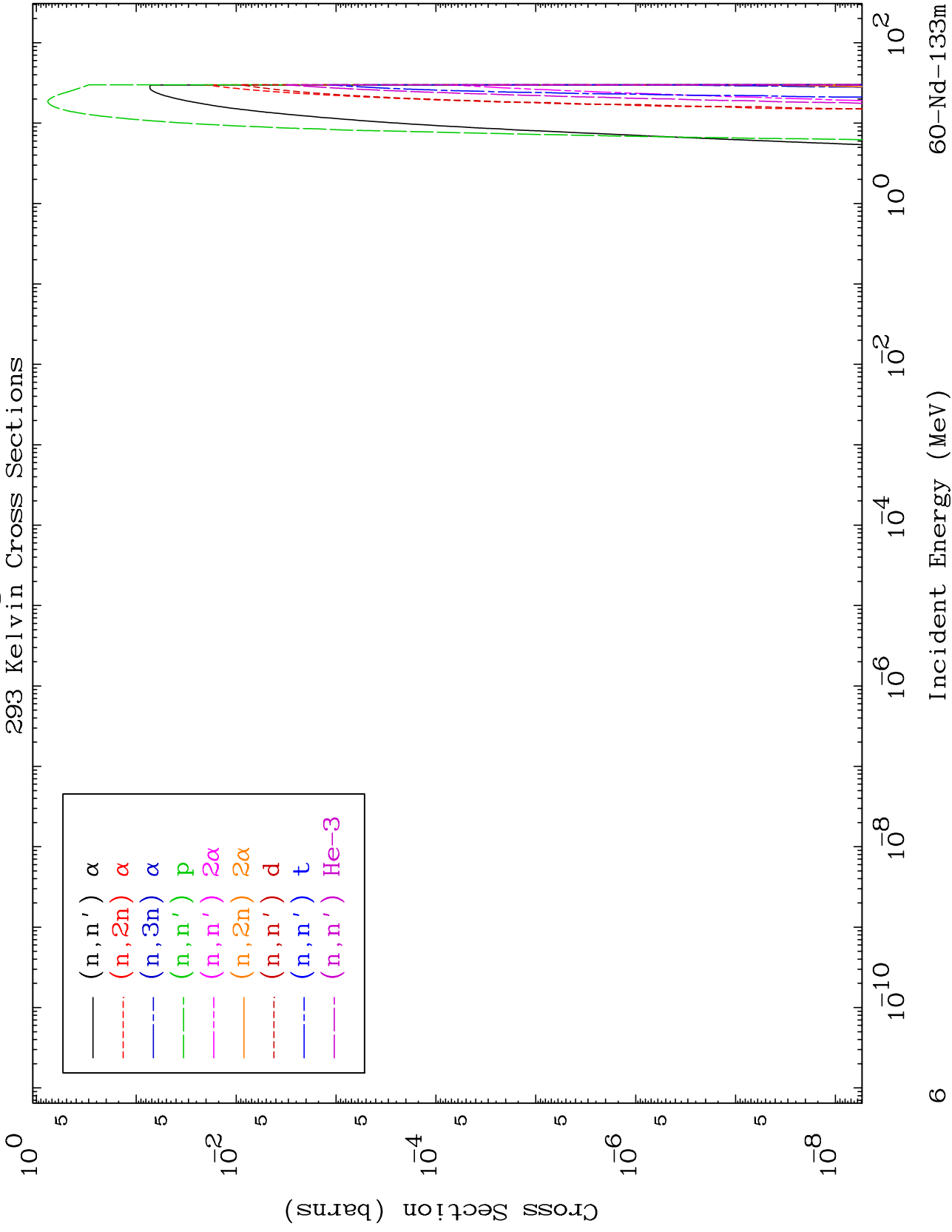




MAT 5999

Charged Particle  
293 Kelvin Cross Sections

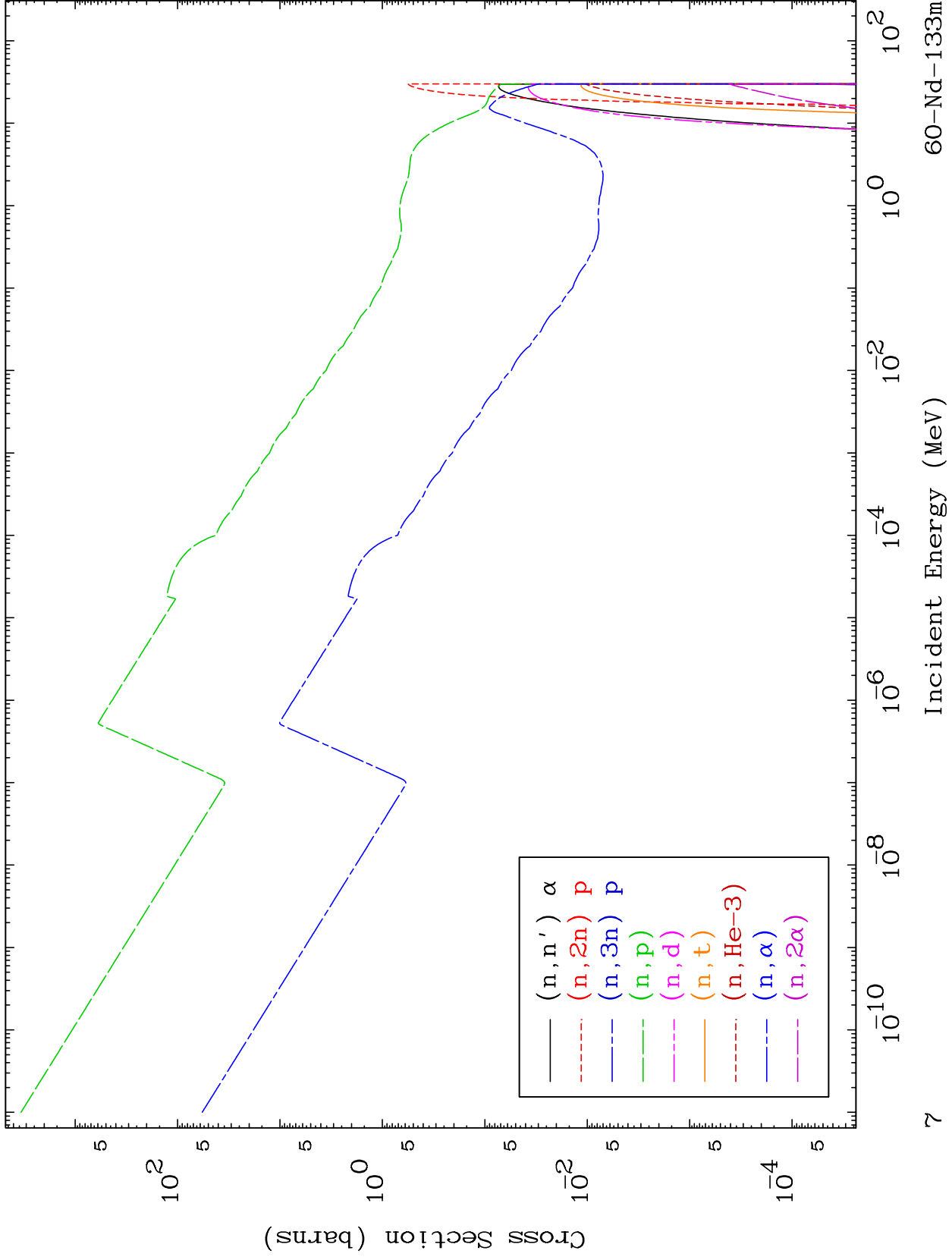
60-Nd-133m



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Charged Particle  
293 Kelvin Cross Sections

60-Nd-133m

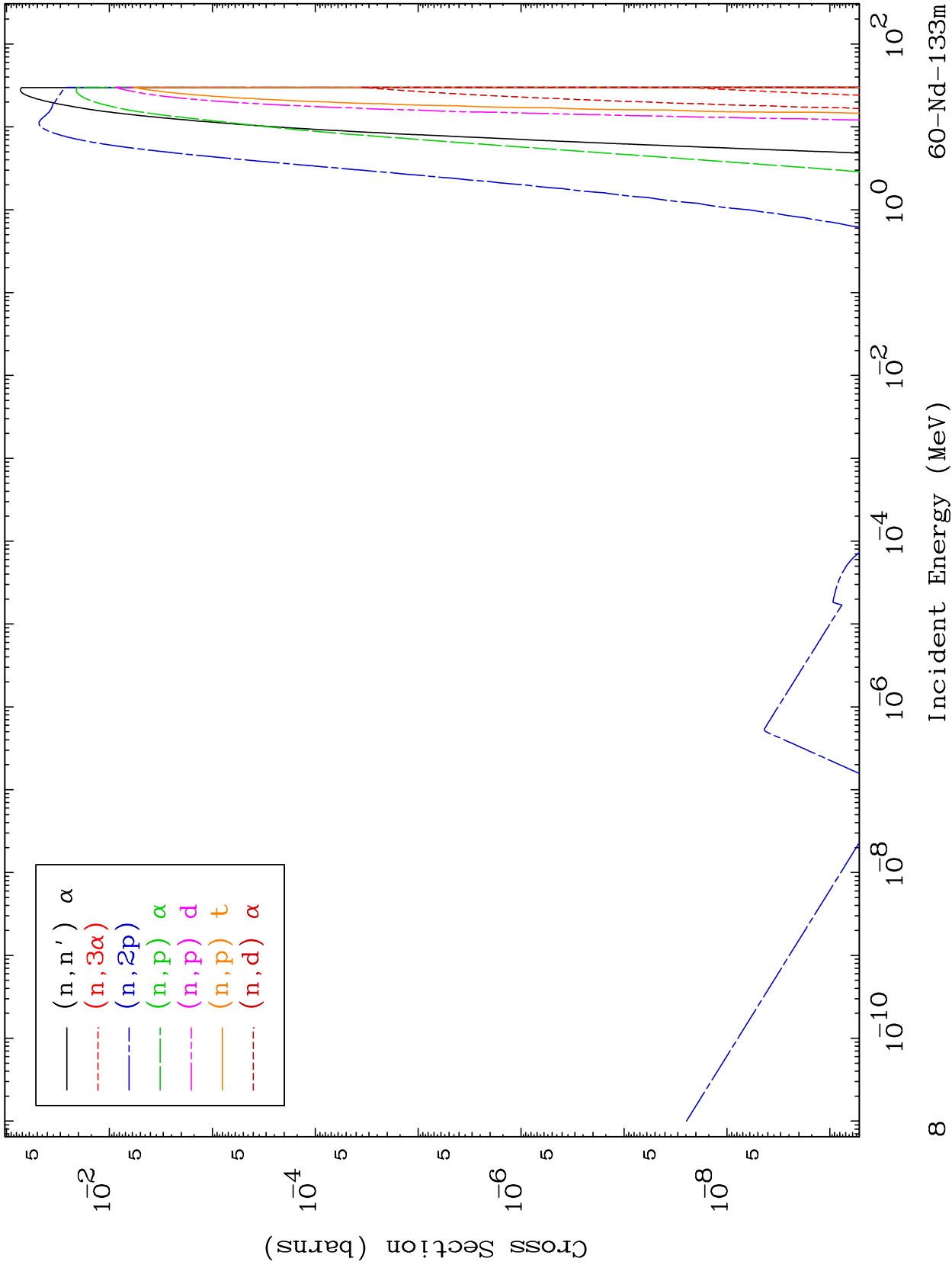




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Charged Particle  
293 Kelvin Cross Sections

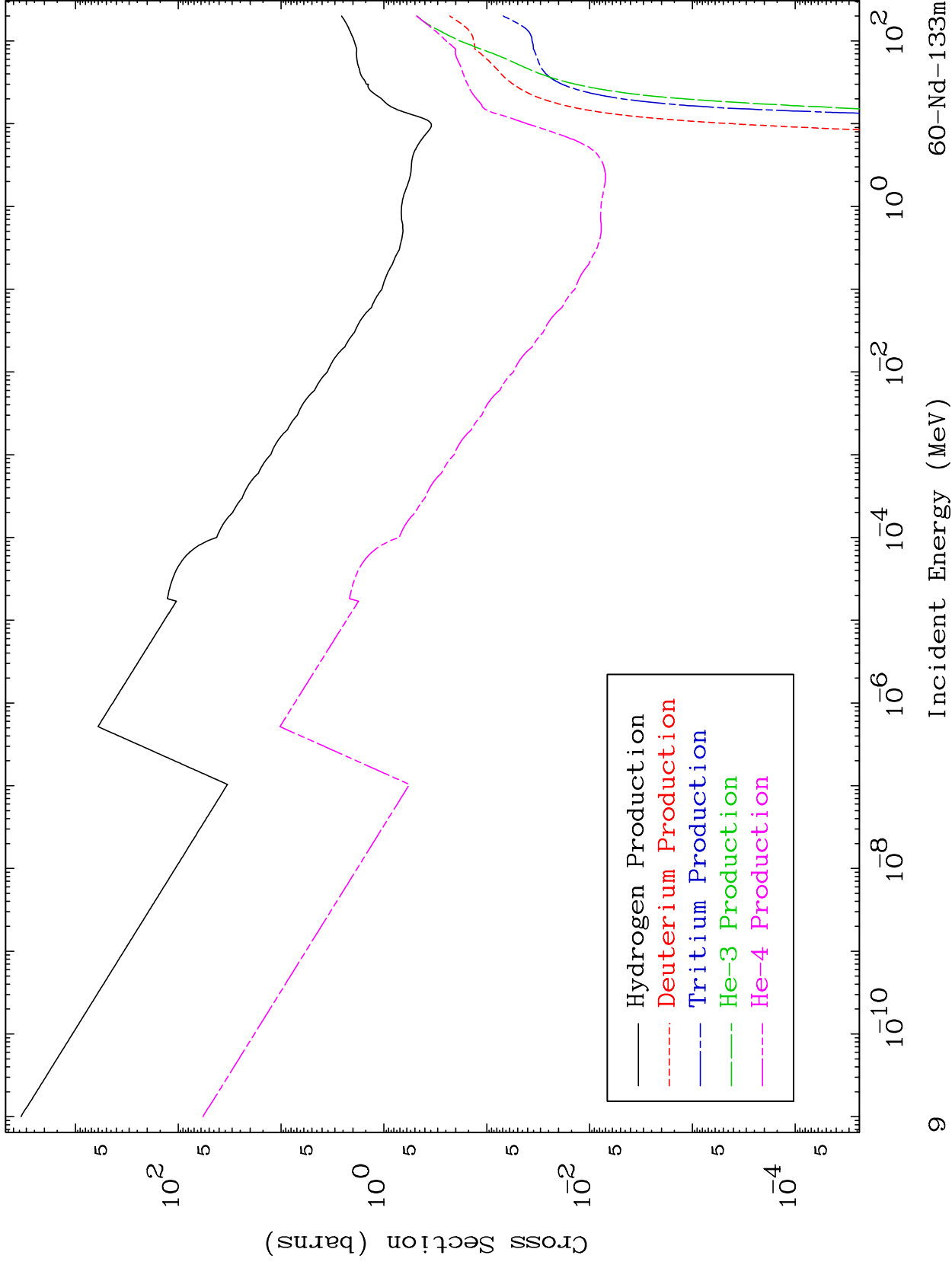
60-Nd-133m



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Particle Production  
293 Kelvin Cross Sections

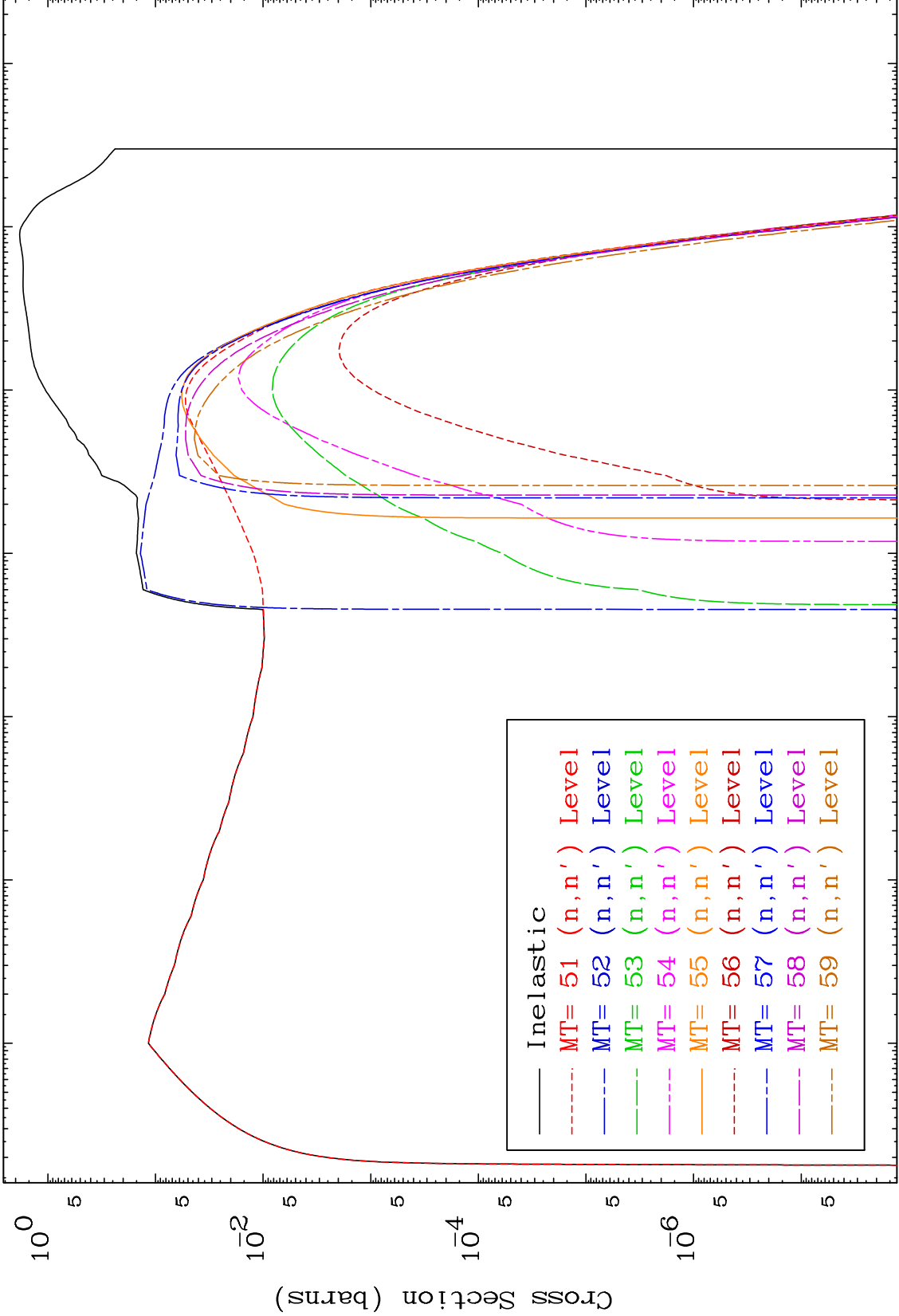
60-Nd-133m



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(n,n') Levels  
293 Kelvin Cross Sections

60-Nd-133m



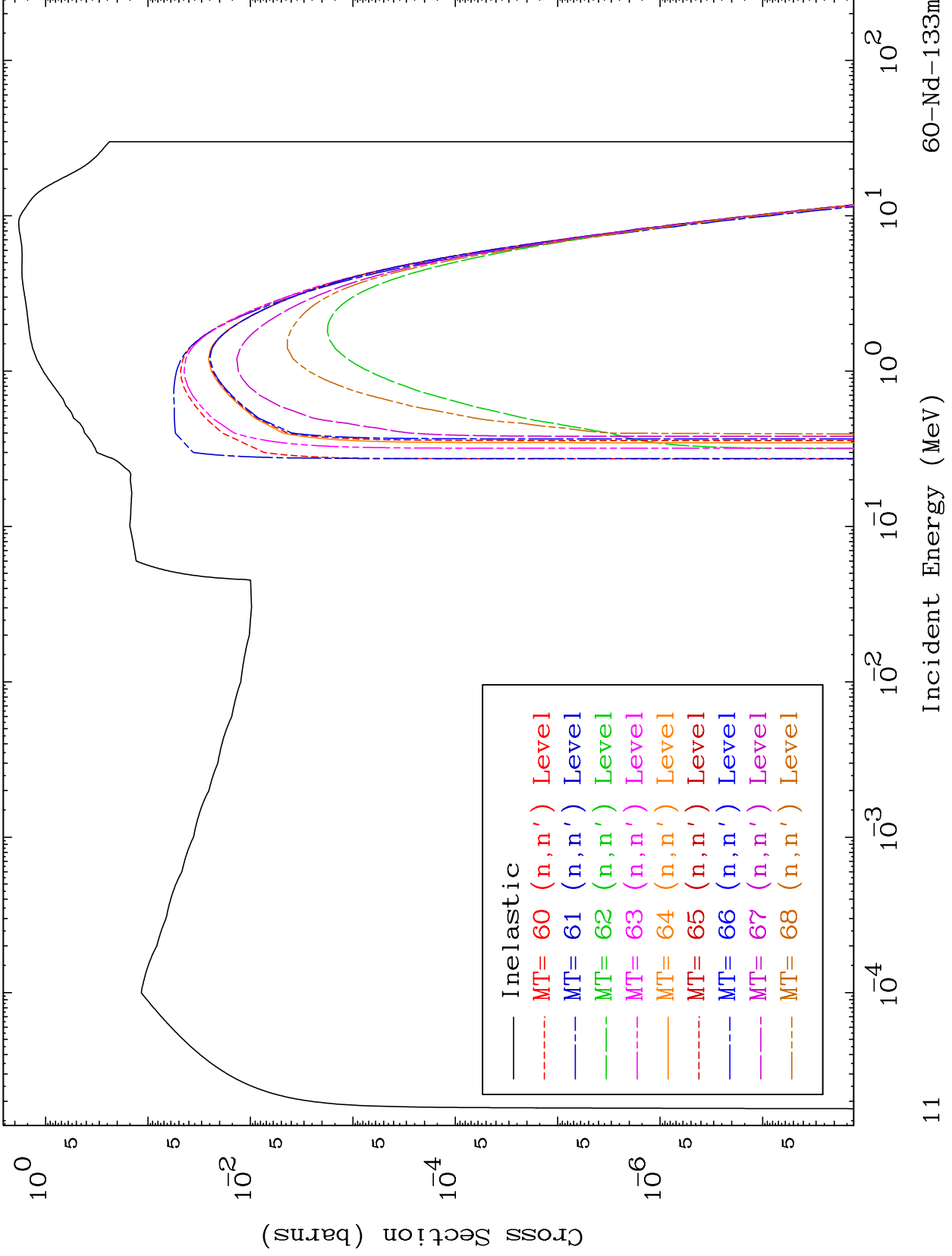
Incident Energy (MeV) 60-Nd-133m

- Inelastic
- - - MT= 51 (n, n') Level
- - - MT= 52 (n, n') Level
- - - MT= 53 (n, n') Level
- - - MT= 54 (n, n') Level
- - - MT= 55 (n, n') Level
- - - MT= 56 (n, n') Level
- - - MT= 57 (n, n') Level
- - - MT= 58 (n, n') Level
- - - MT= 59 (n, n') Level

MAT 5999

(n,n') Levels  
293 Kelvin Cross Sections

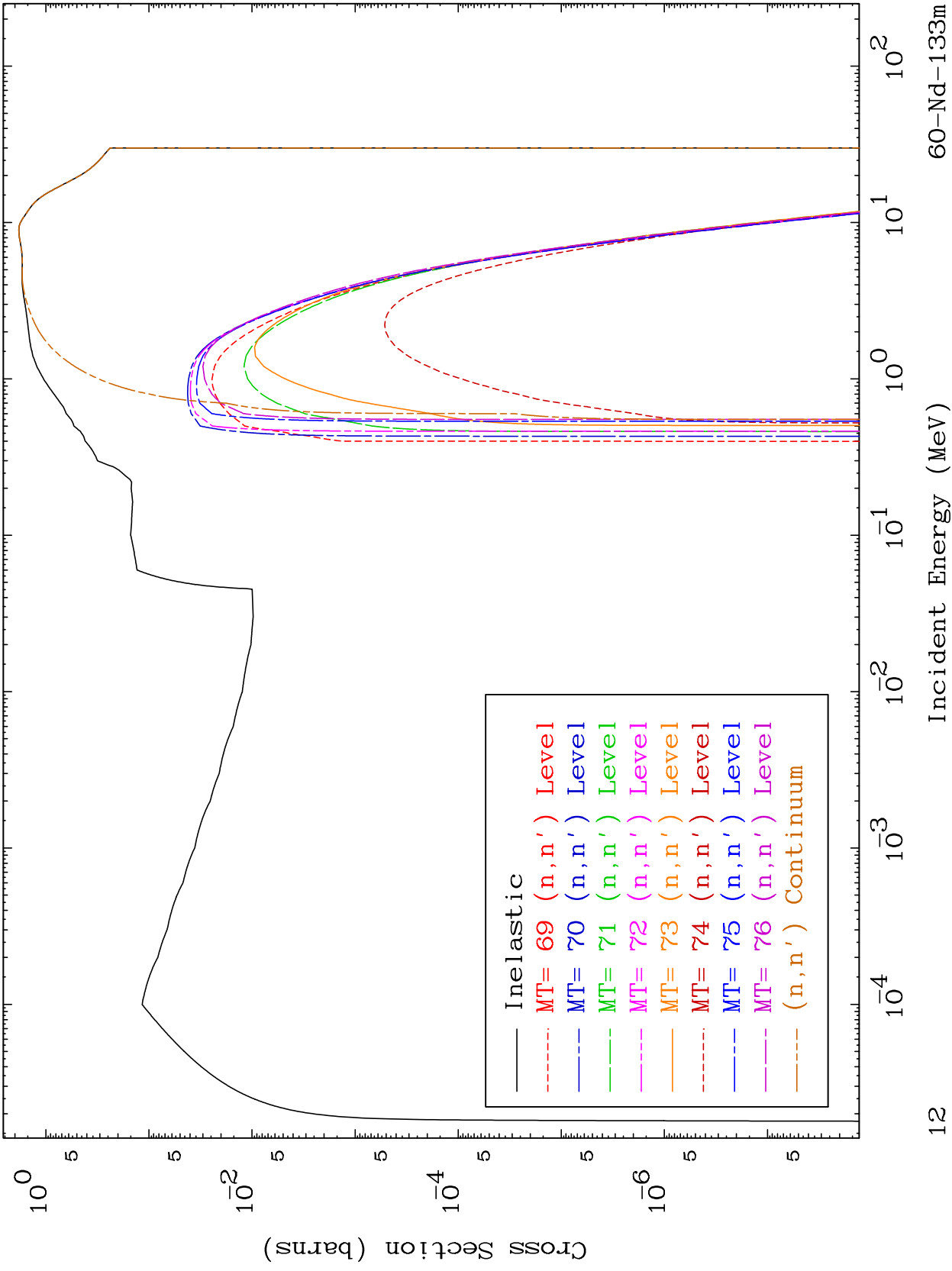
60-Nd-133m



MAT 5999

(n,n') Levels  
293 Kelvin Cross Sections

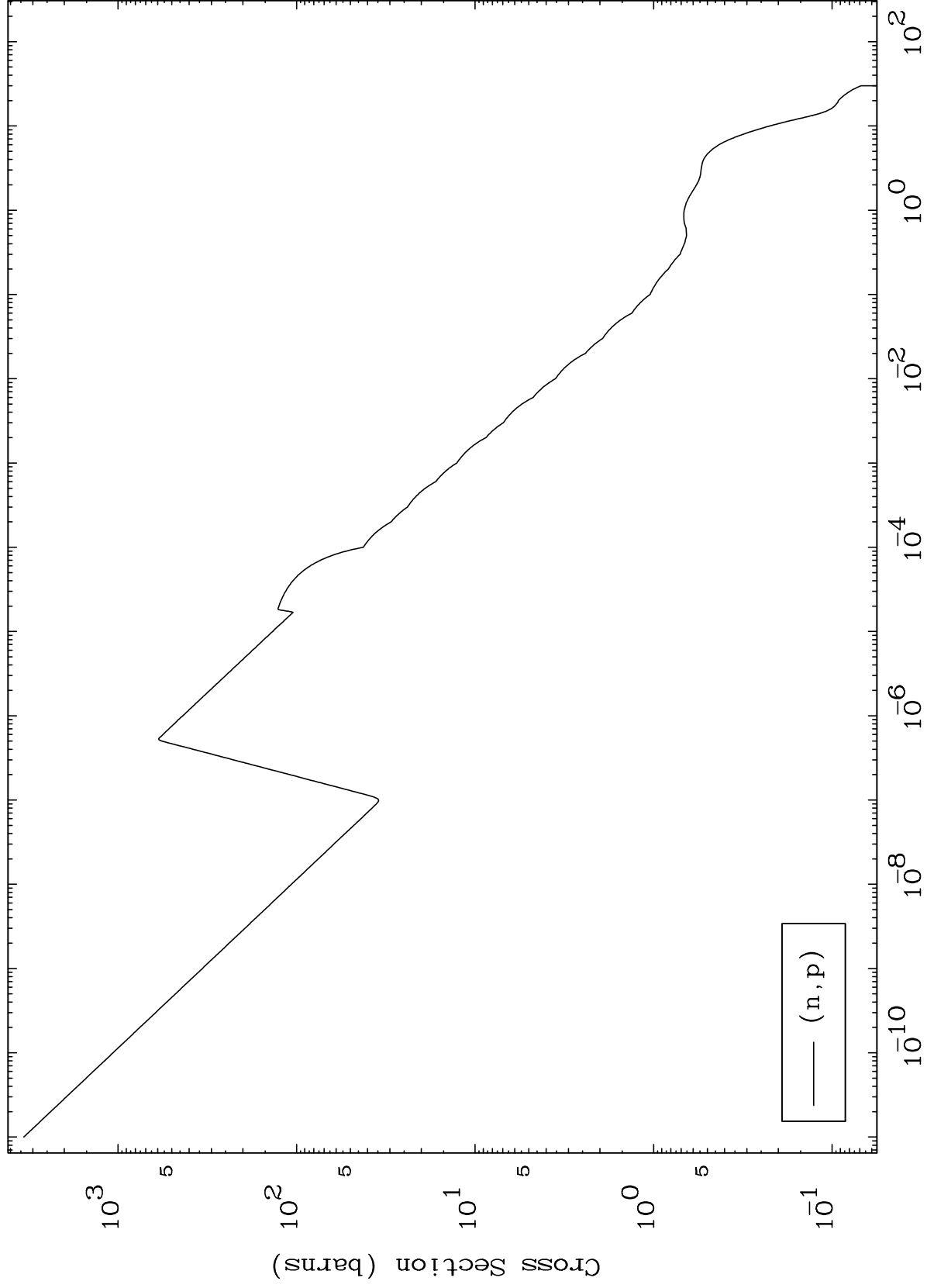
60-Nd-133m



MAT 5999

(n,p) Levels  
293 Kelvin Cross Sections

60-Nd-133m



13

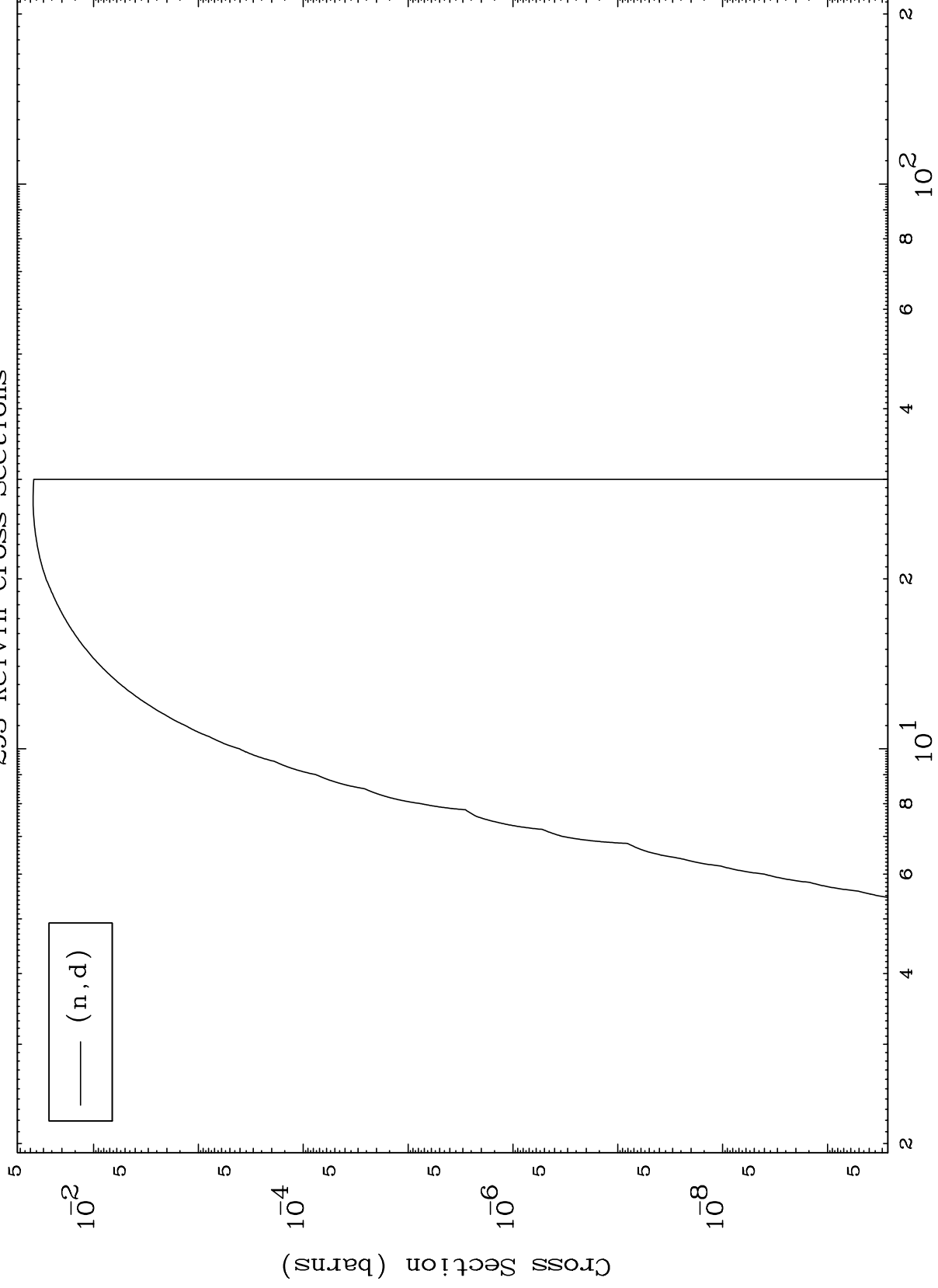
Incident Energy (MeV)

60-Nd-133m

MAT 5999

(n,d) Levels  
293 Kelvin Cross Sections

60-Nd-133m



14

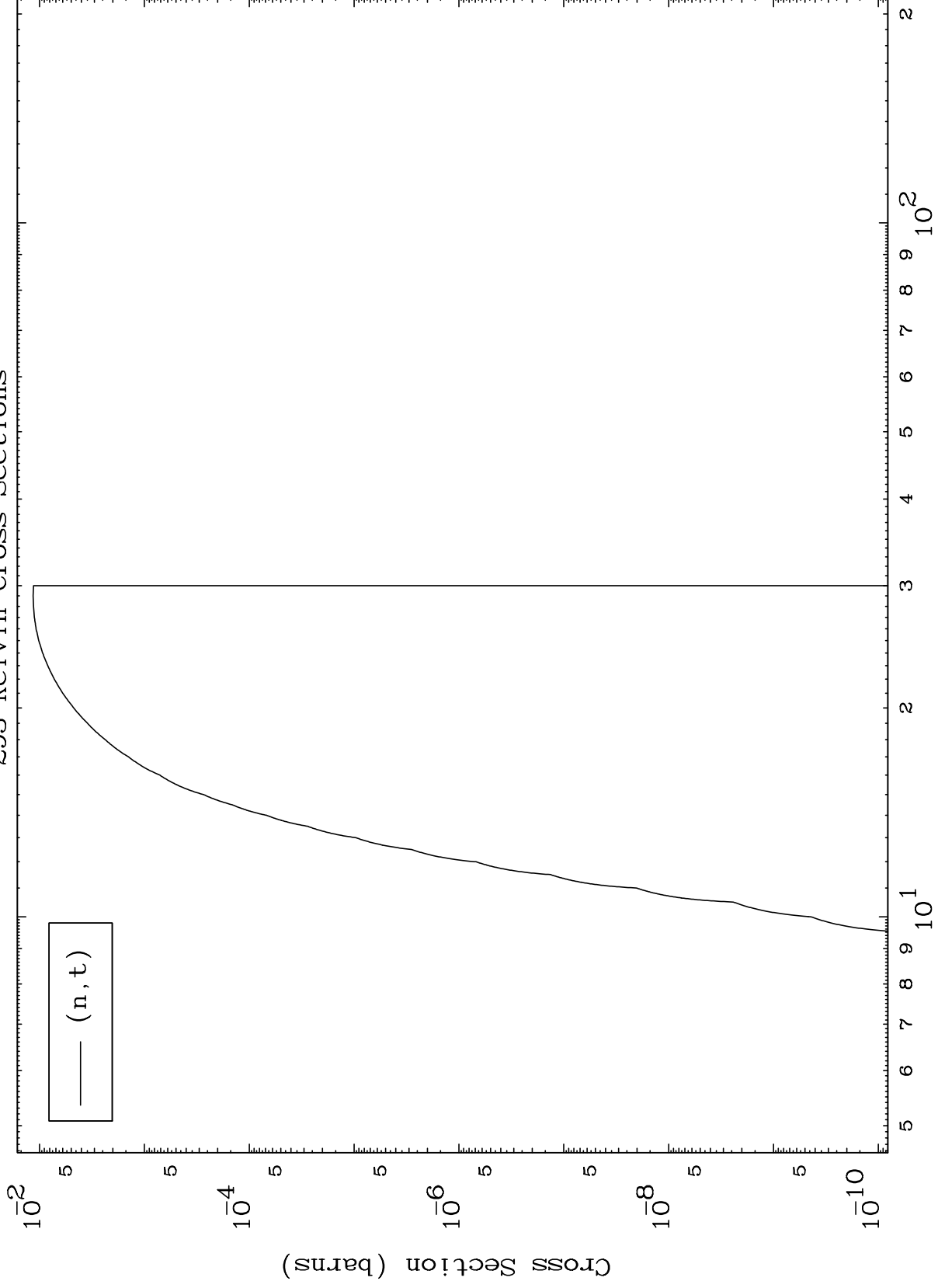
Incident Energy (MeV)

60-Nd-133m

MAT 5999

(n,t) Levels  
293 Kelvin Cross Sections

60-Nd-133m



15

Incident Energy (MeV)

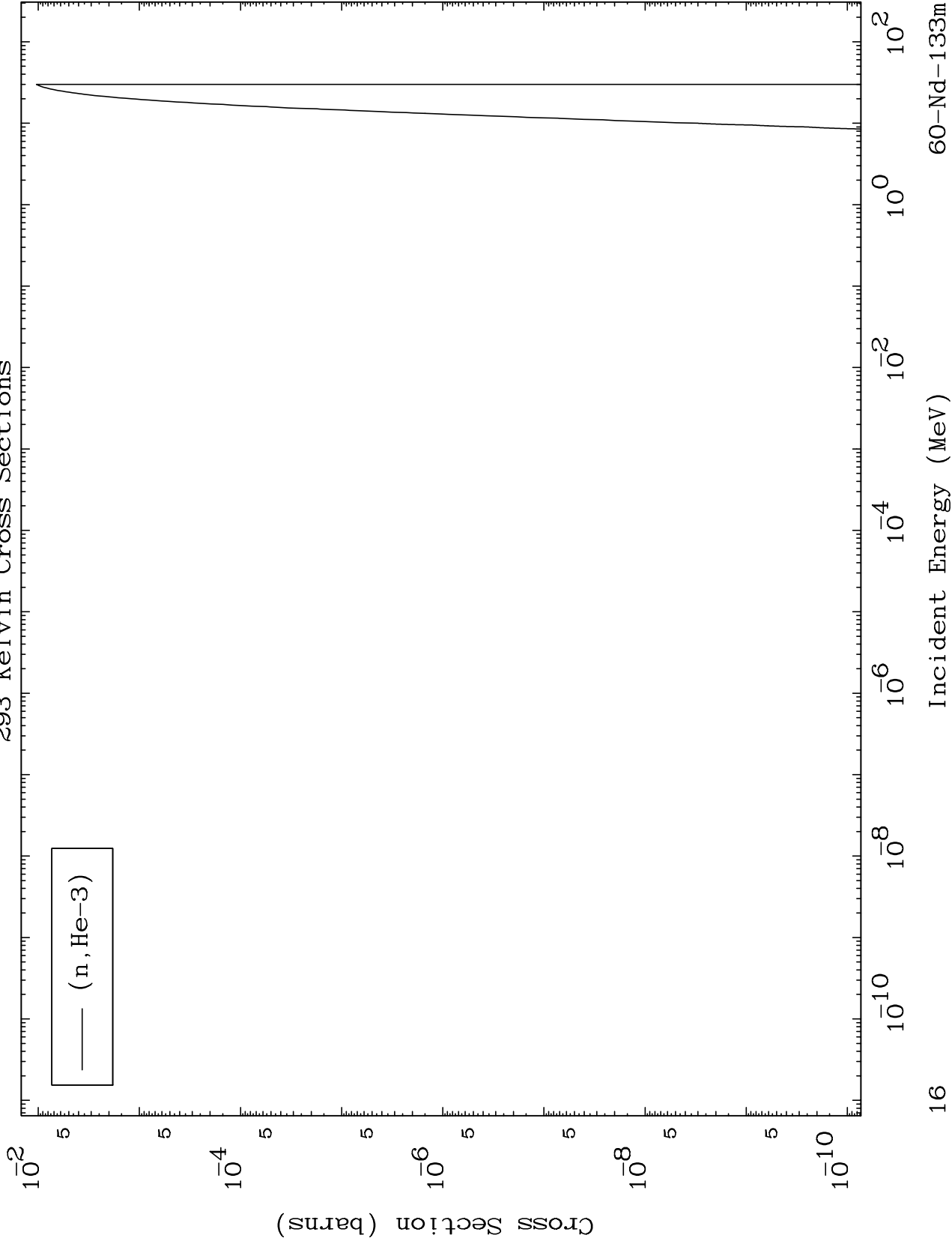
60-Nd-133m



MAT 5999

(n,He3) Levels  
293 Kelvin Cross Sections

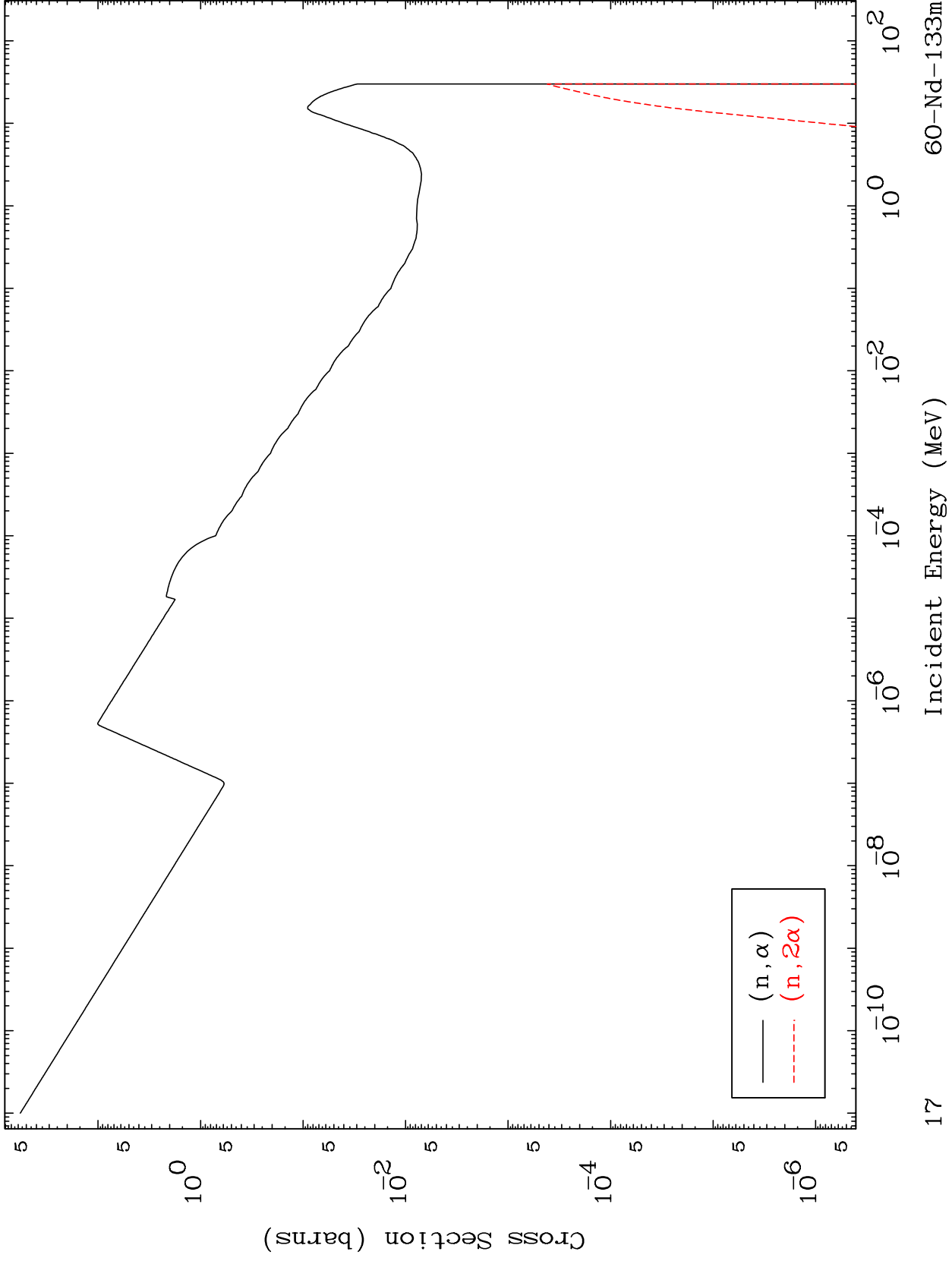
60-Nd-133m

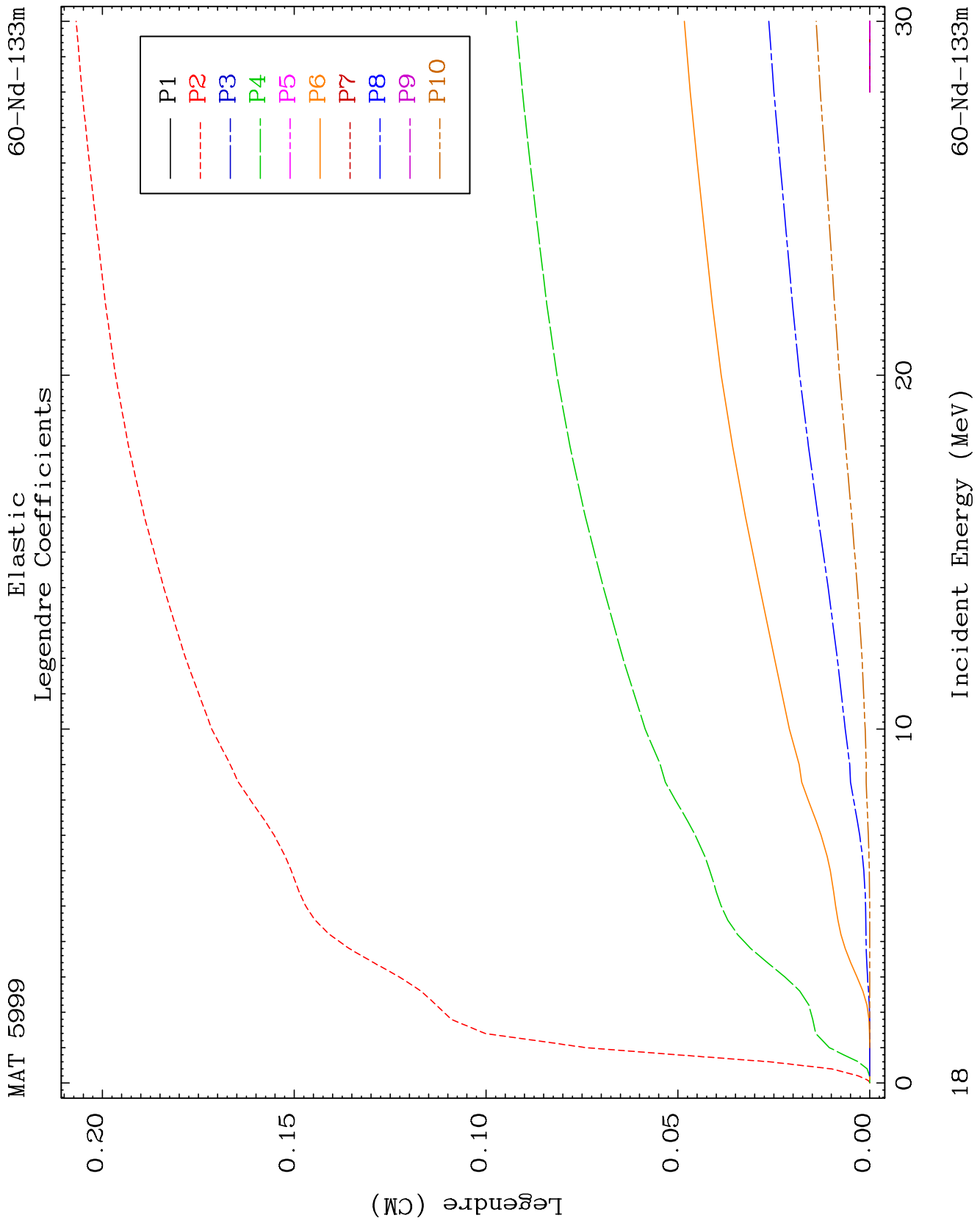


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(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

60-Nd-133m

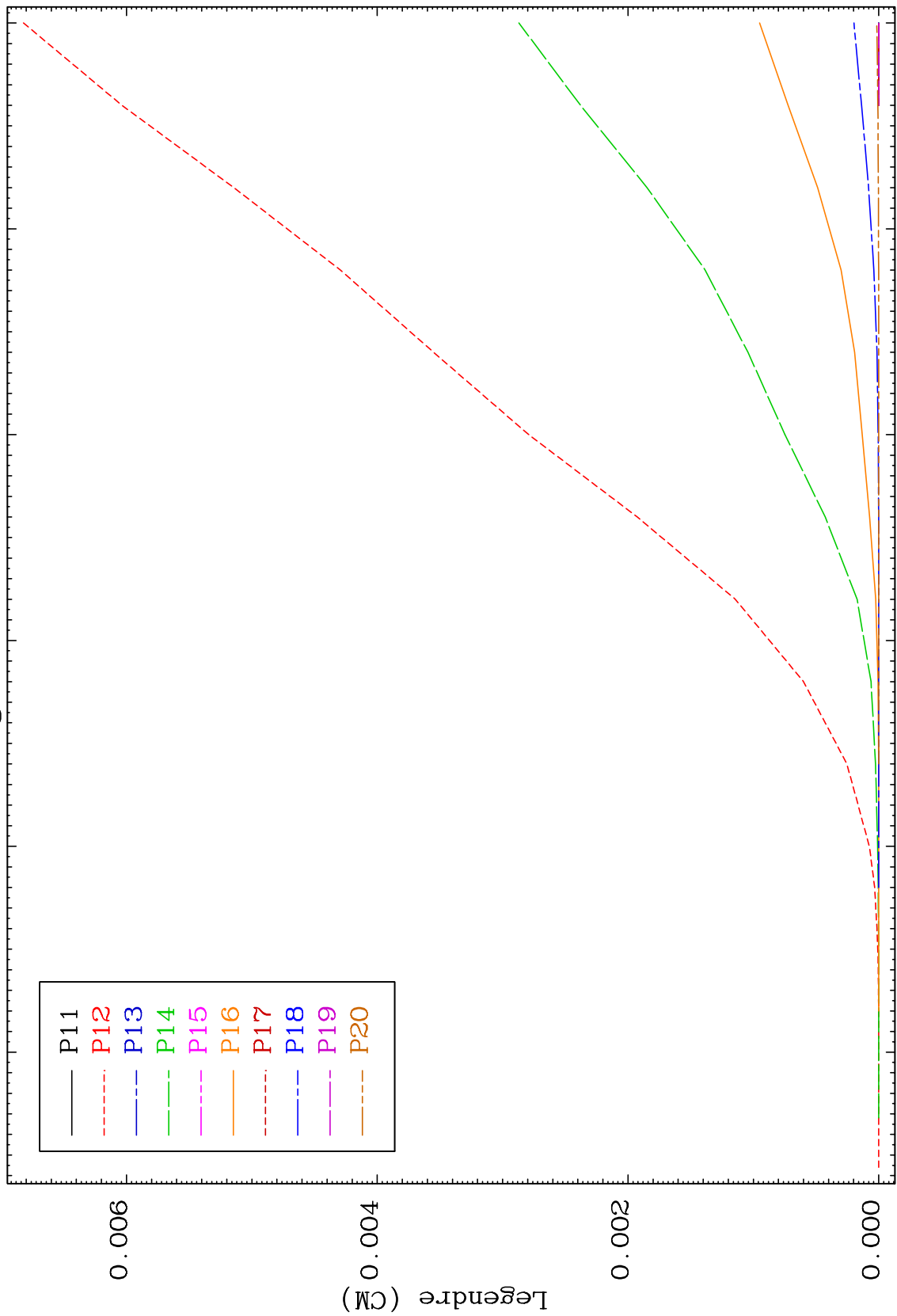




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Elastic Legendre Coefficients

60-Nd-133m



19

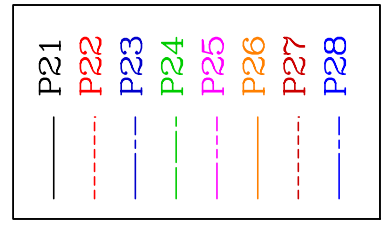
Incident Energy (MeV)

60-Nd-133m

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Elastic Legendre Coefficients

60-Nd-133m



$\times 10^{-7}$

Legendre (CM)

6

4

2

0

15

20

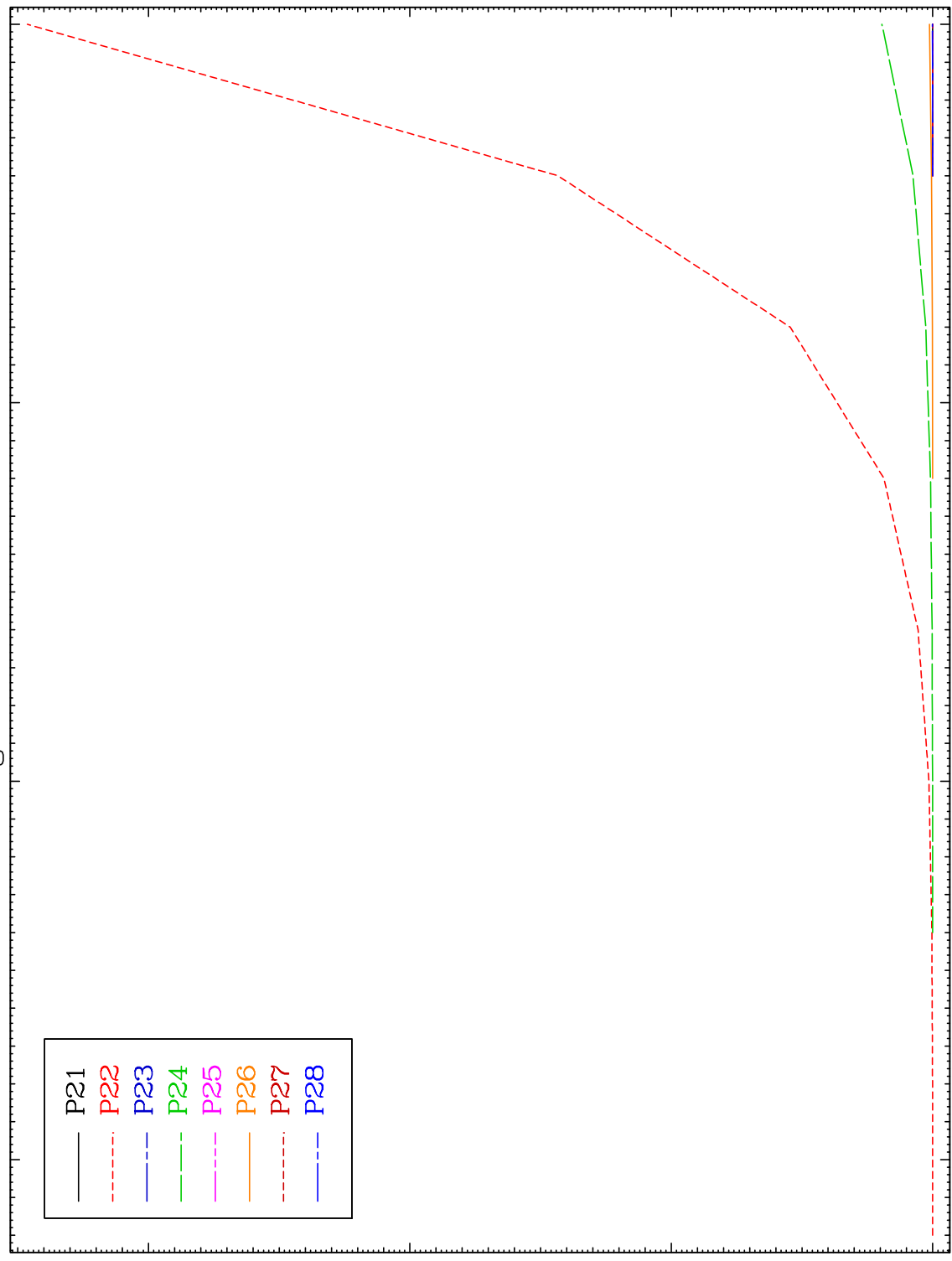
25

30

20

Incident Energy (MeV)

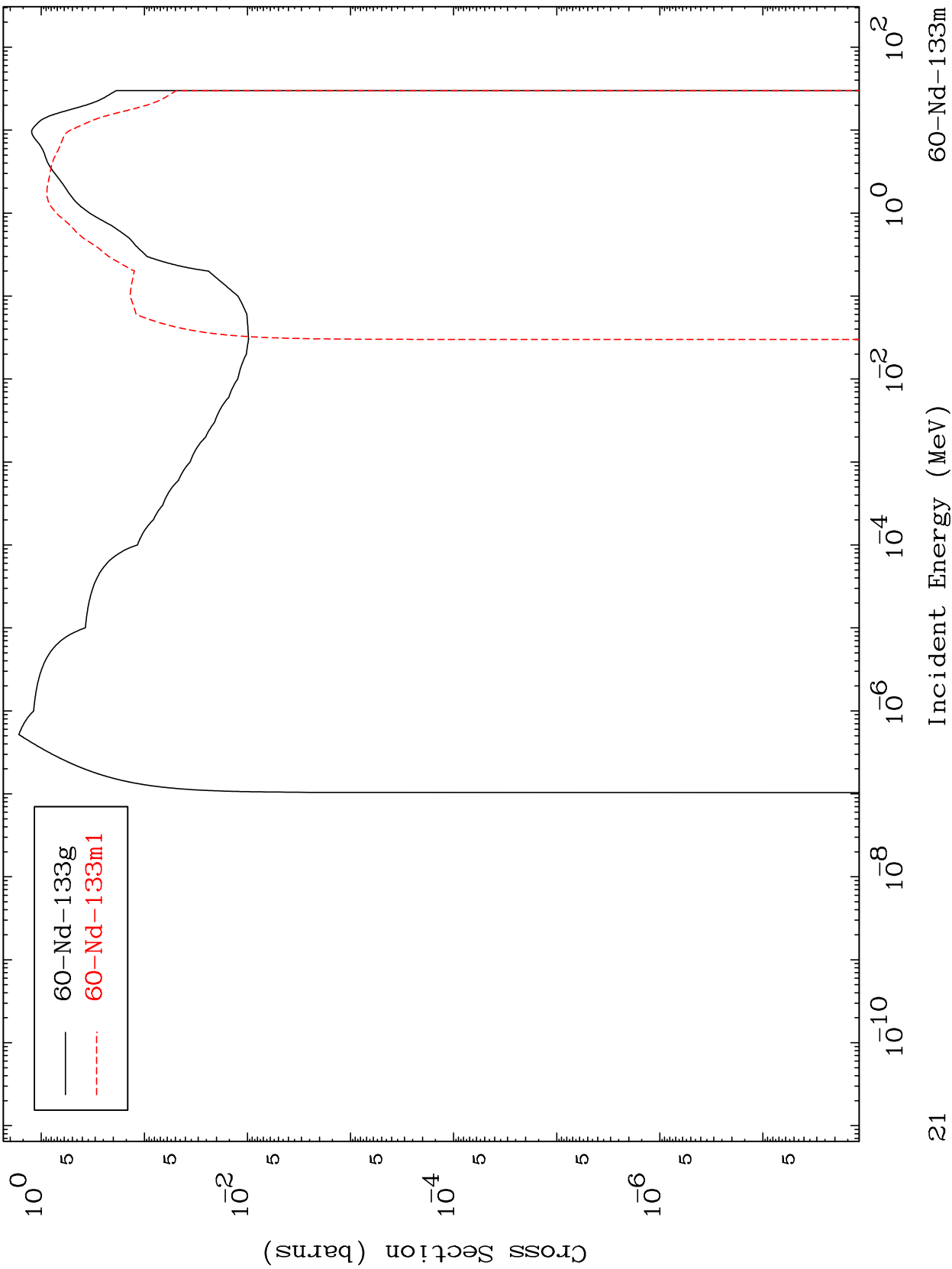
60-Nd-133m



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60-Nd-133m

Inelastic  
Radionuclide Production Cross Section

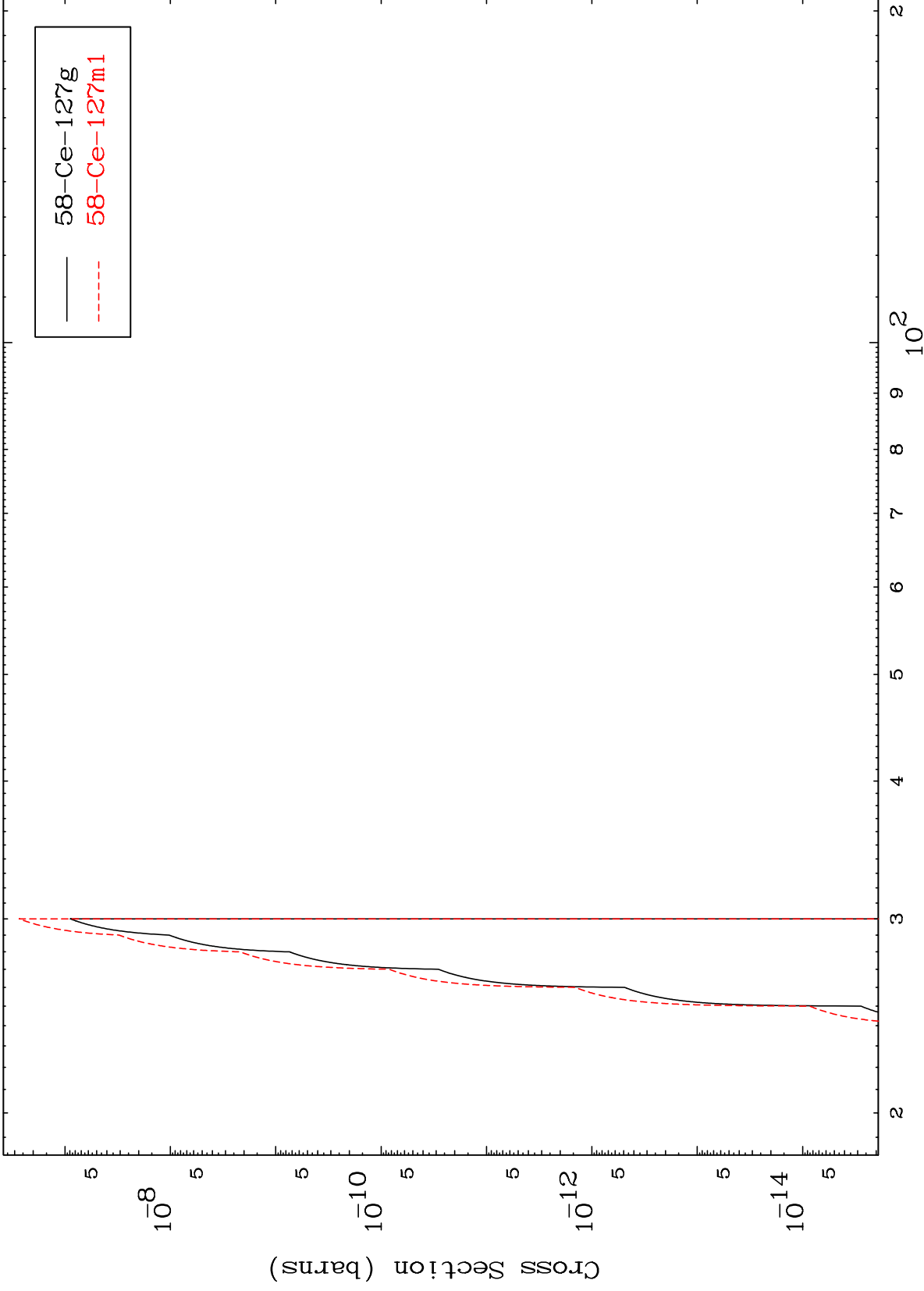


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(n,3n)  $\alpha$

60-Nd-133m

Radionuclide Production Cross Section

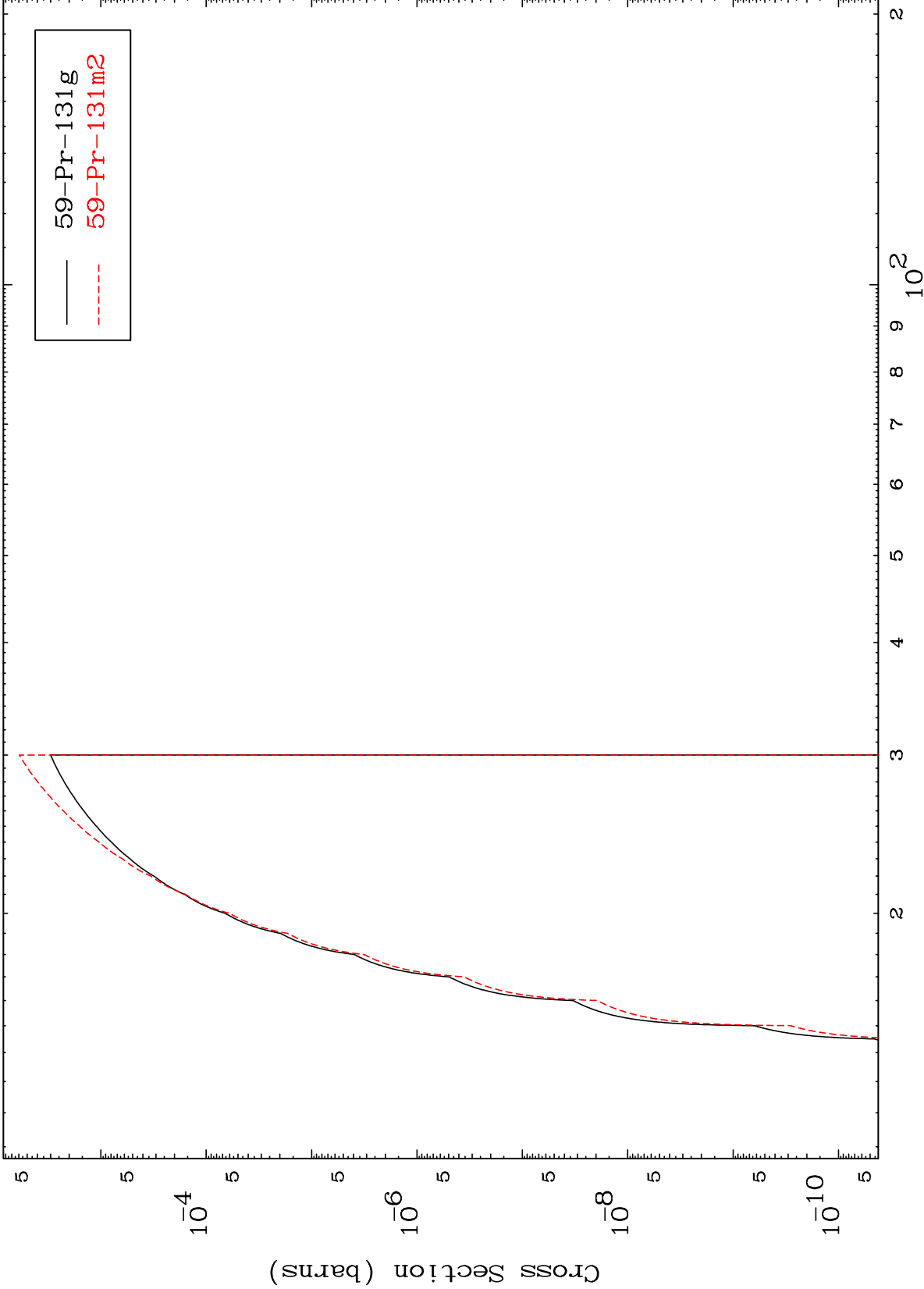


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Incident Energy (MeV)

60-Nd-133m

Radionuclide Production Cross Section



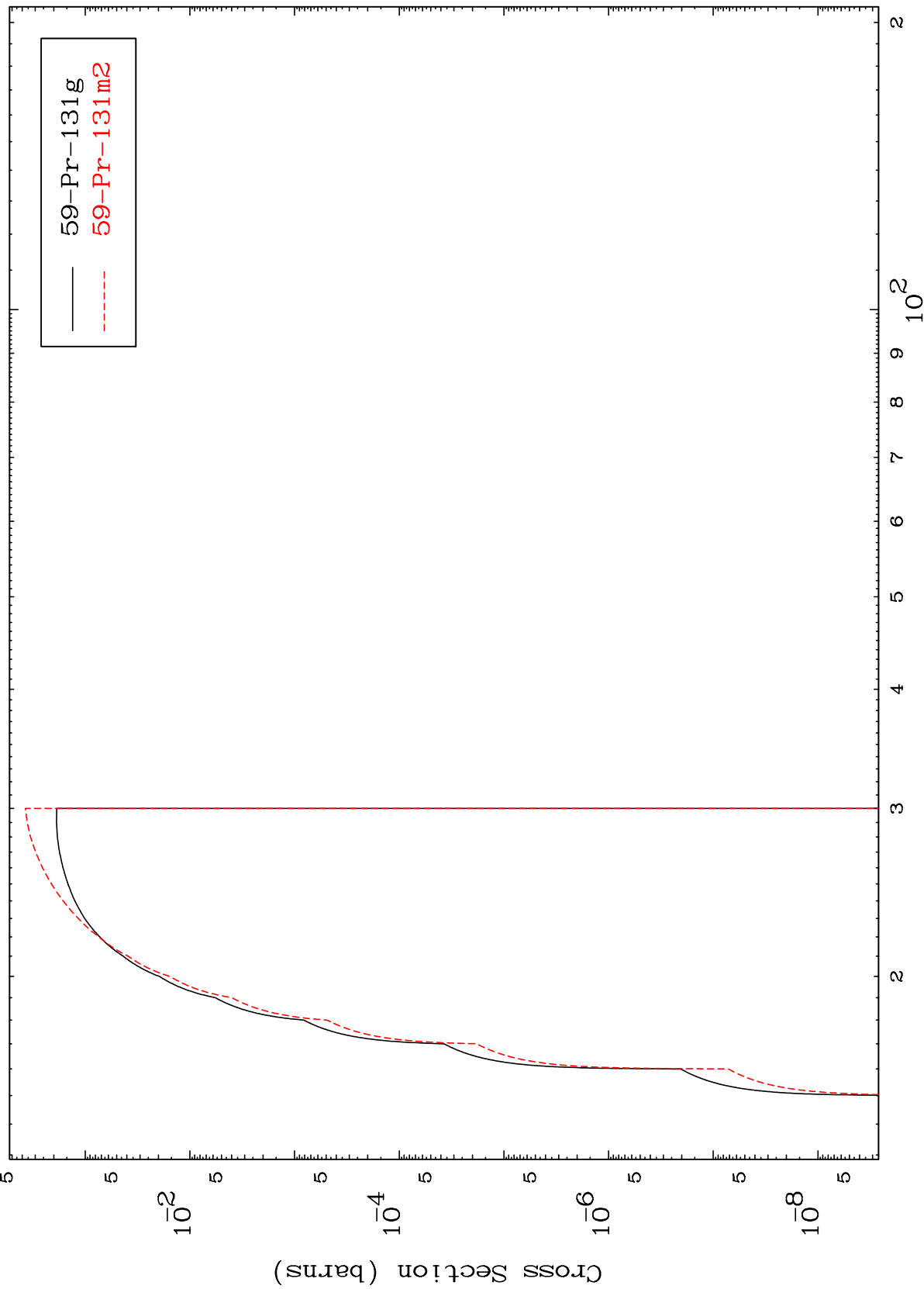


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(n,2n) p

60-Nd-133m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

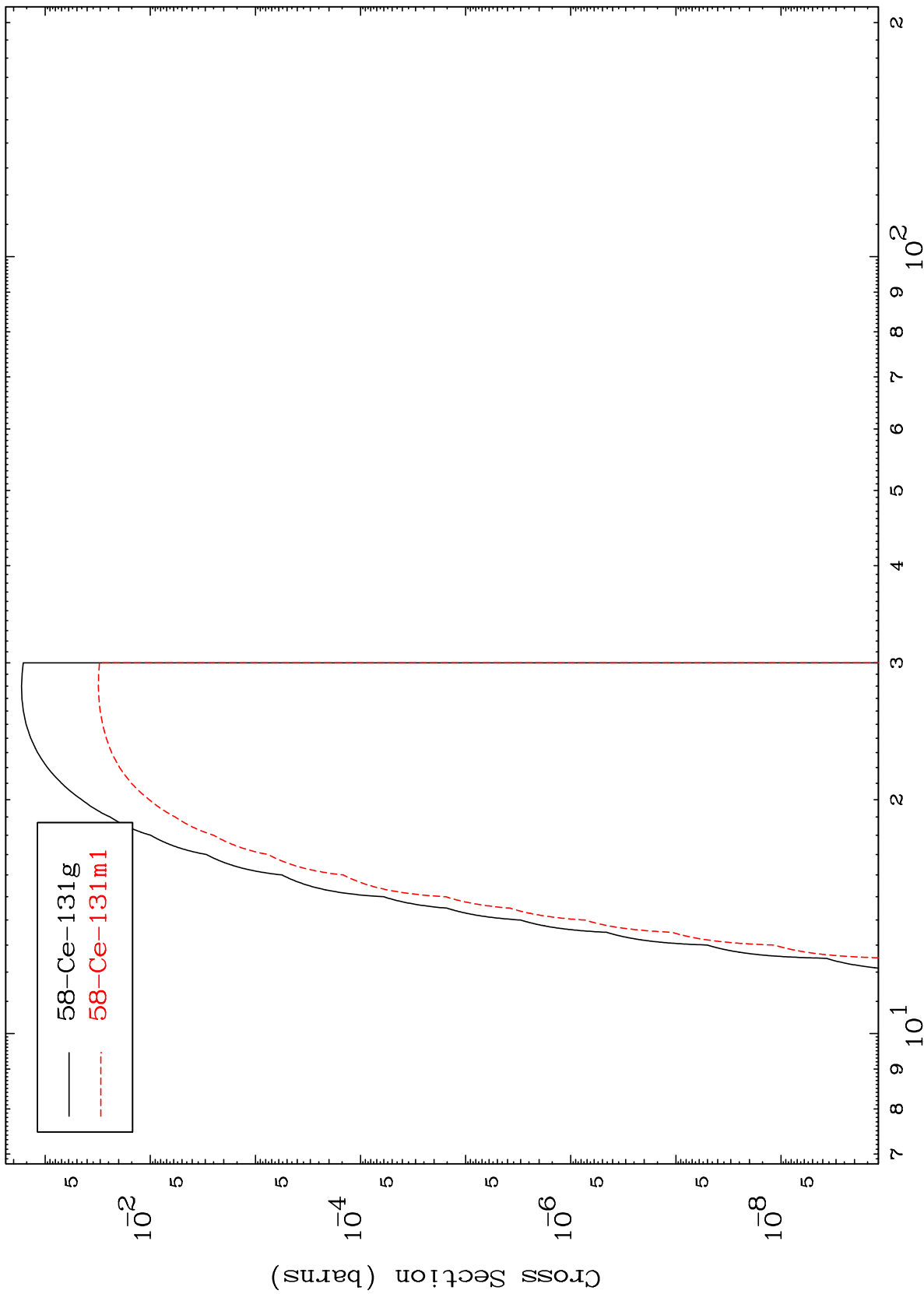
60-Nd-133m

MAT 5999

(n,2n) p

60-Nd-133m

Radionuclide Production Cross Section



25

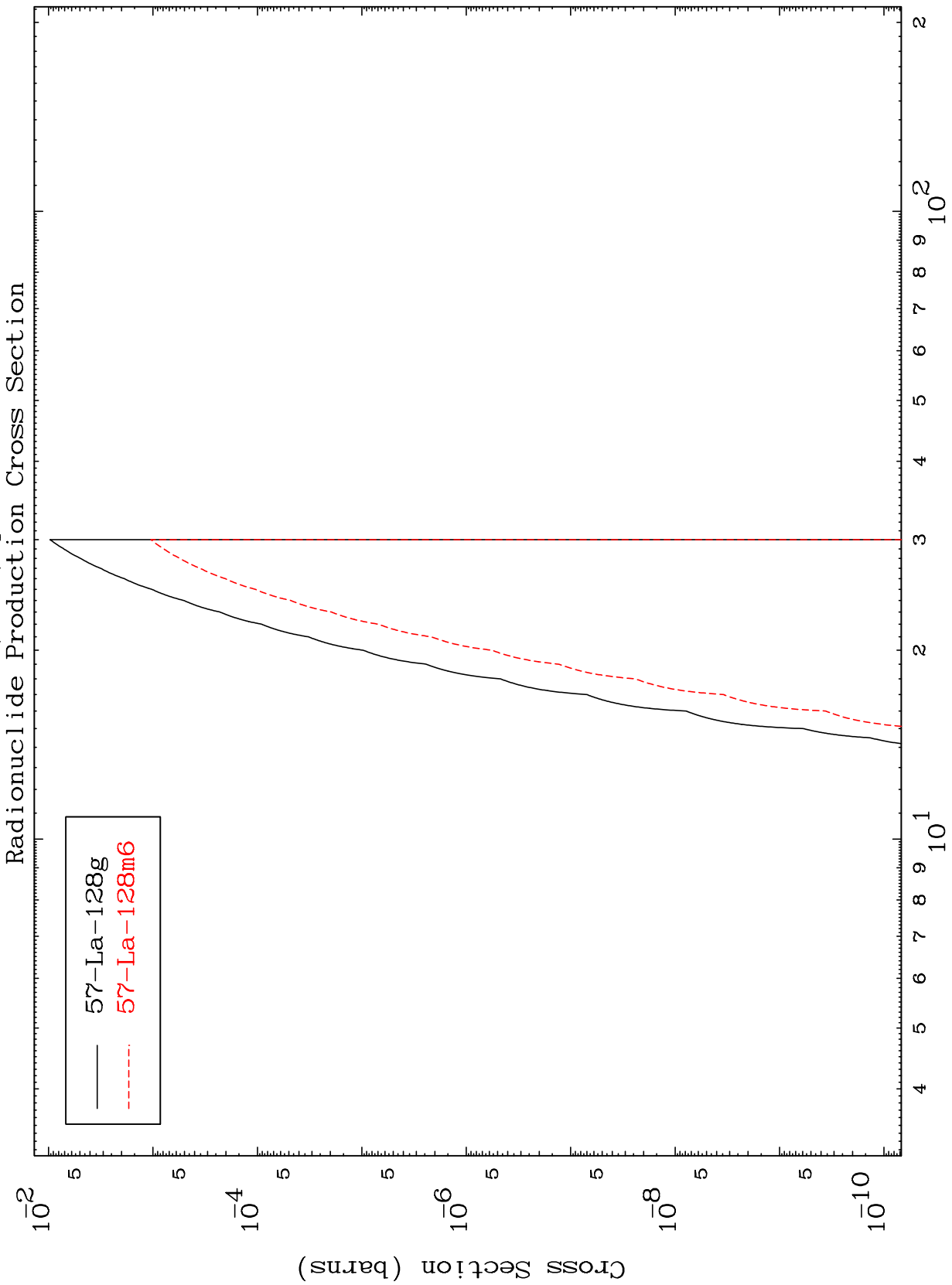
Incident Energy (MeV)

60-Nd-133m

MAT 5999

(n,n') p  $\alpha$

60-Nd-133m

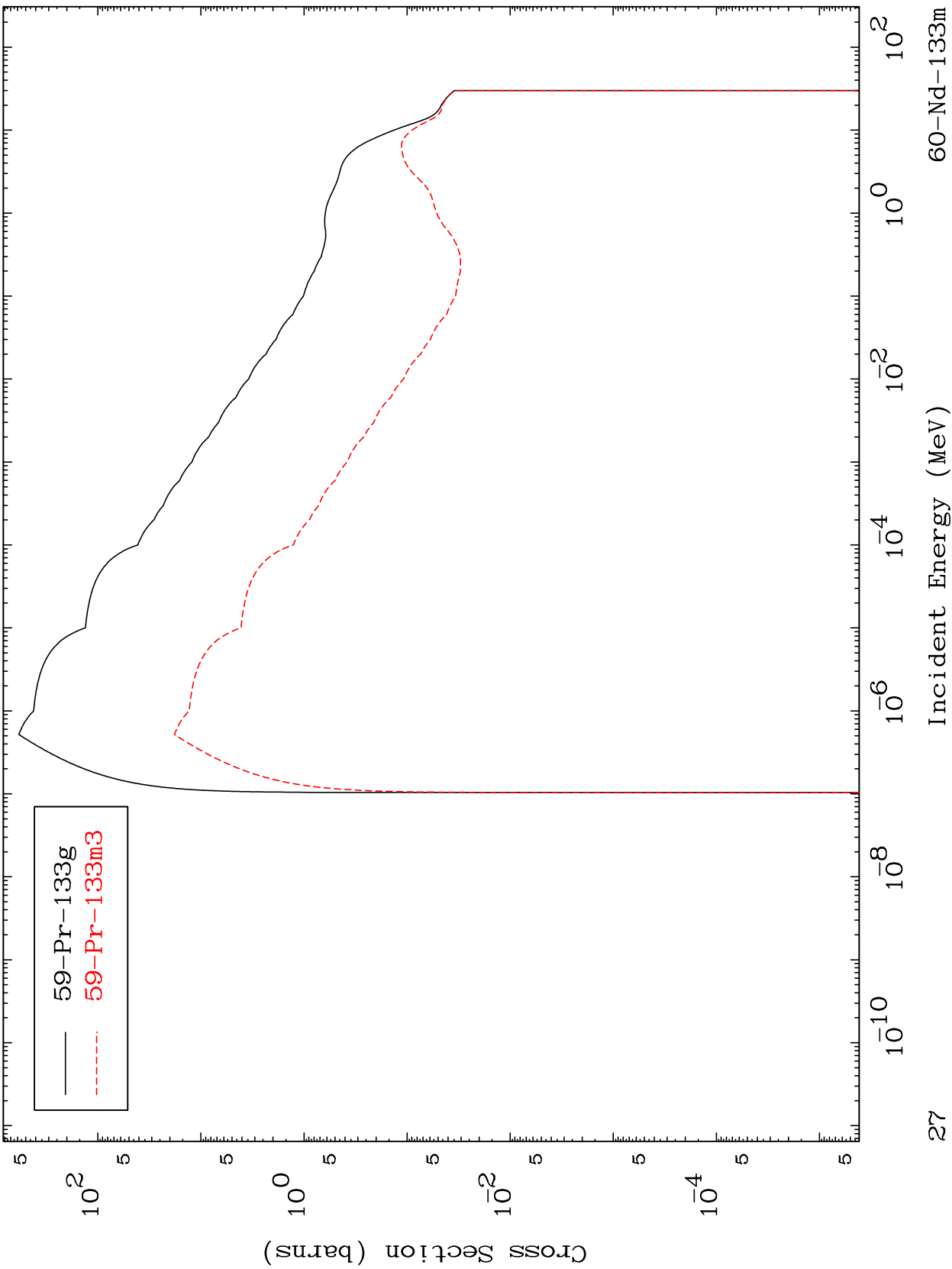


57-La-128g  
57-La-128m6

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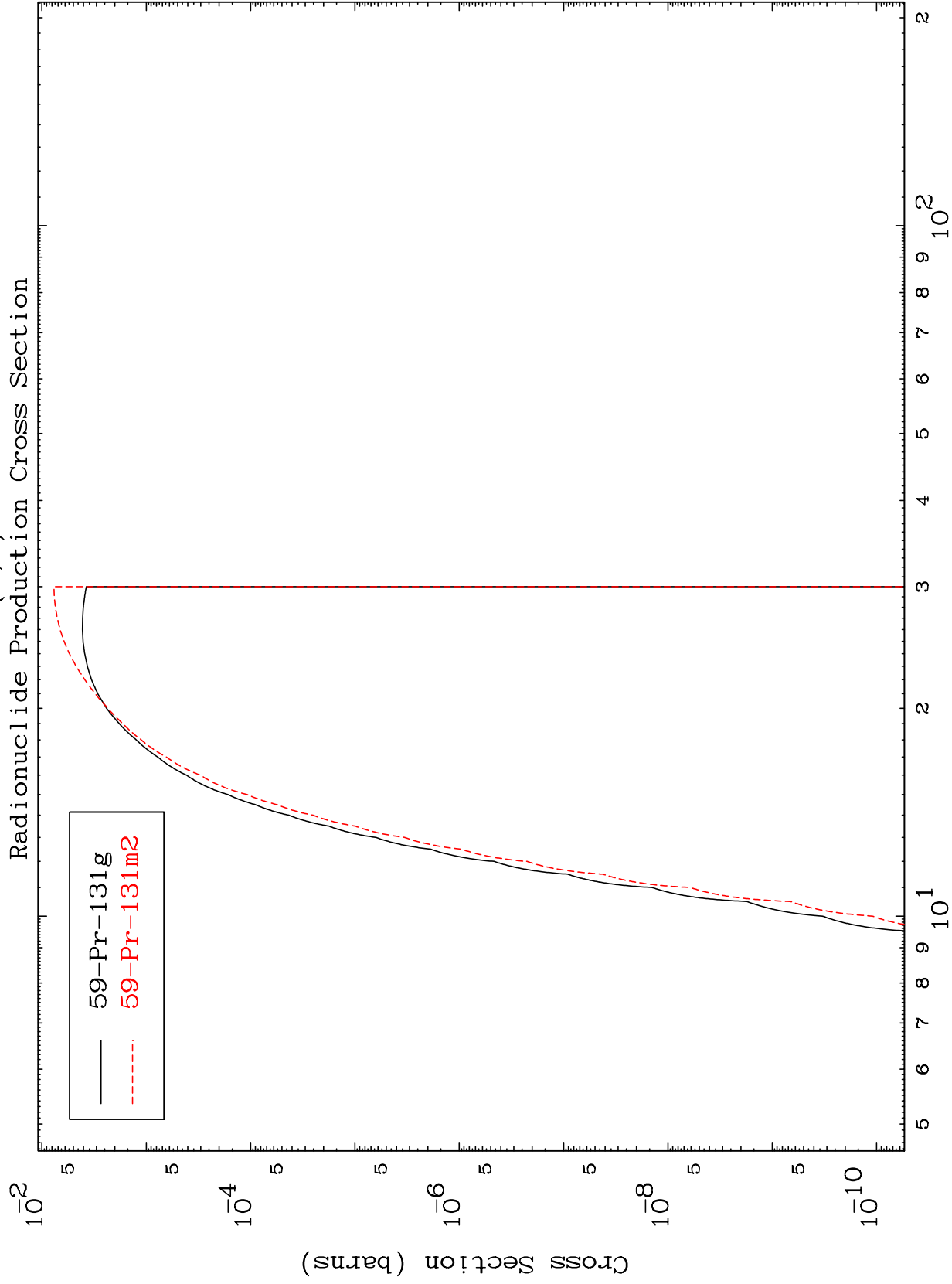
60-Nd-133m

(n,p)  
Radionuclide Production Cross Section



MAT 5999

60-Nd-133m



60-Nd-133m

Incident Energy (MeV)

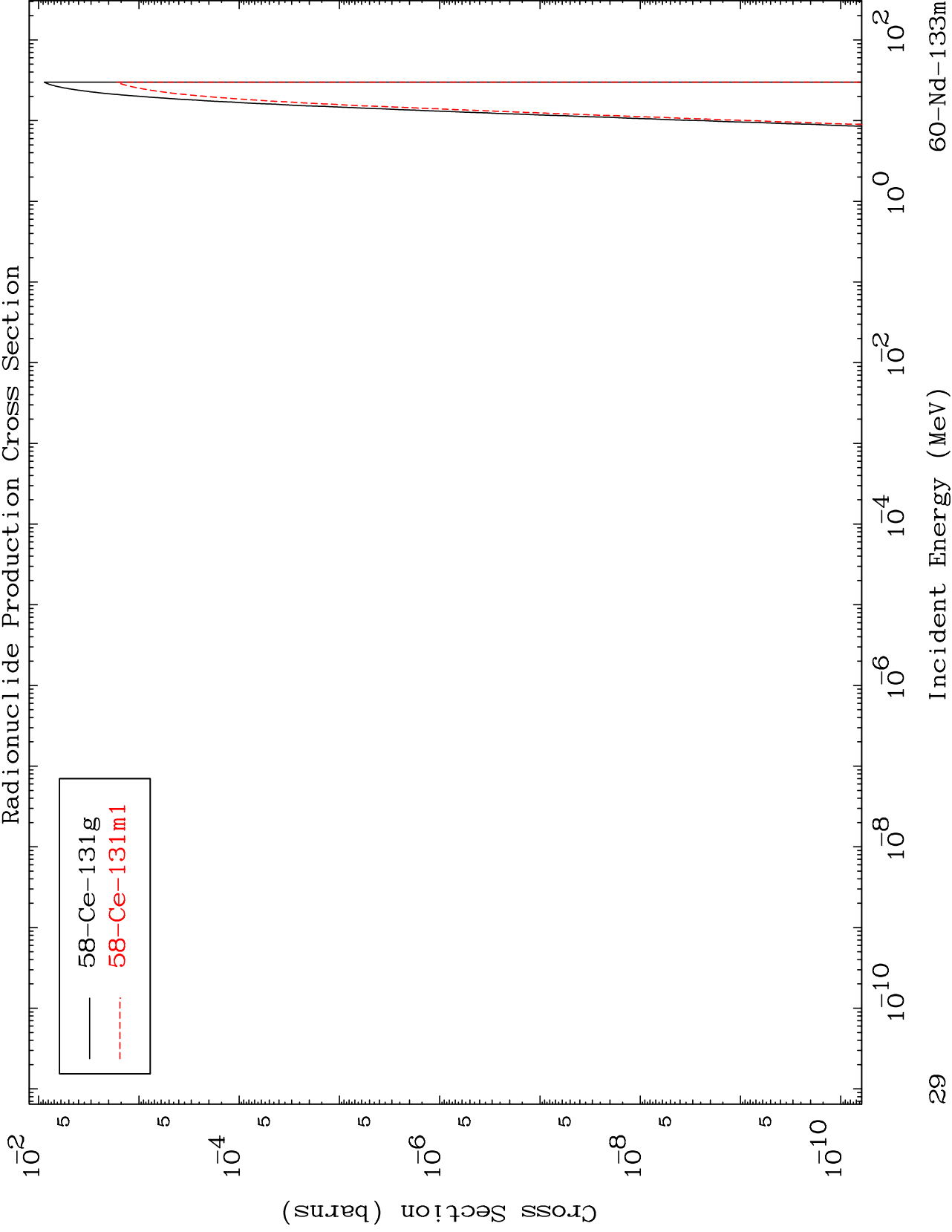
28

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(n,He-3)

60-Nd-133m

Radionuclide Production Cross Section

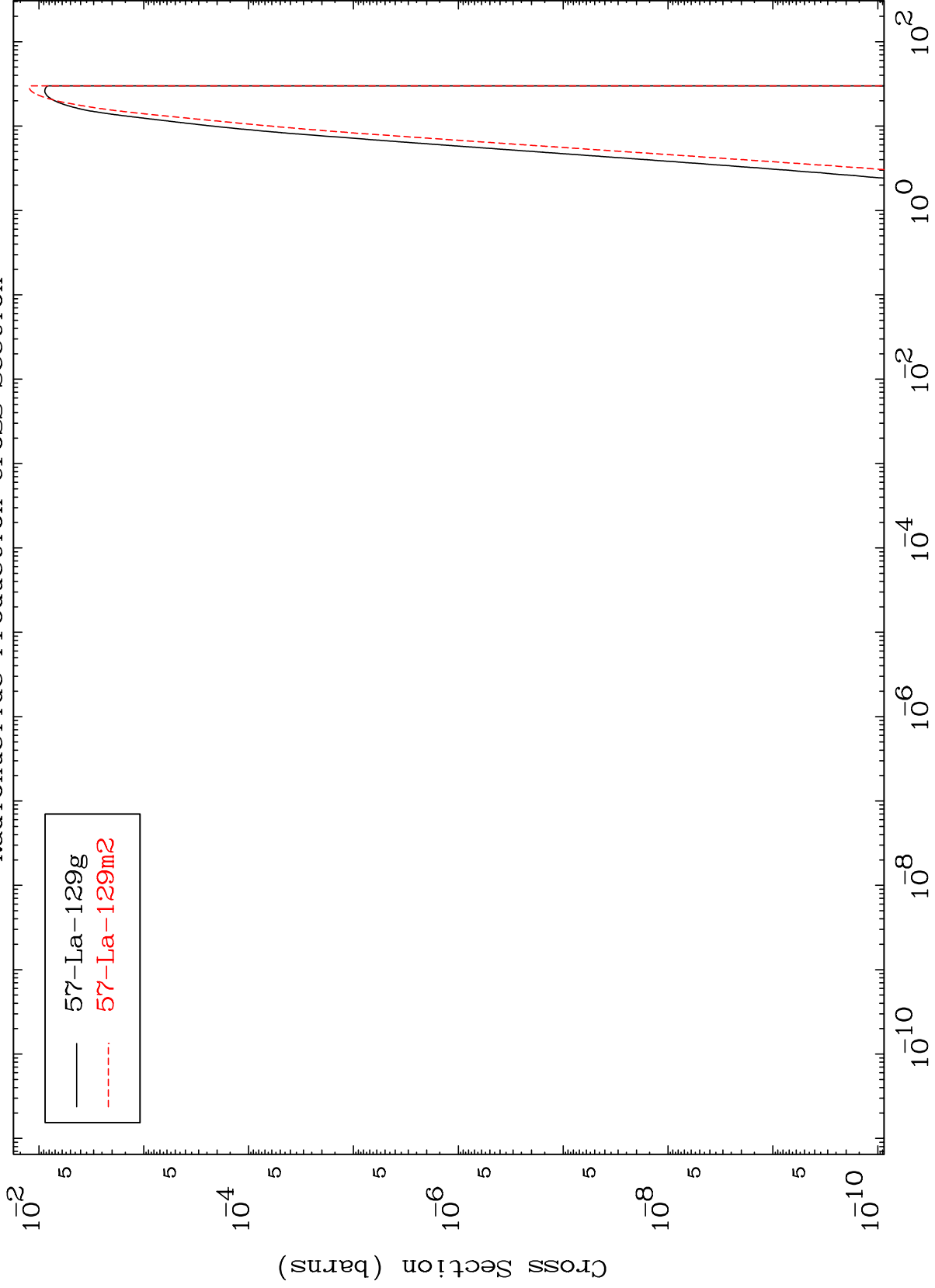


MAT 5999

(n,p)  $\alpha$

60-Nd-133m

Radionuclide Production Cross Section



30

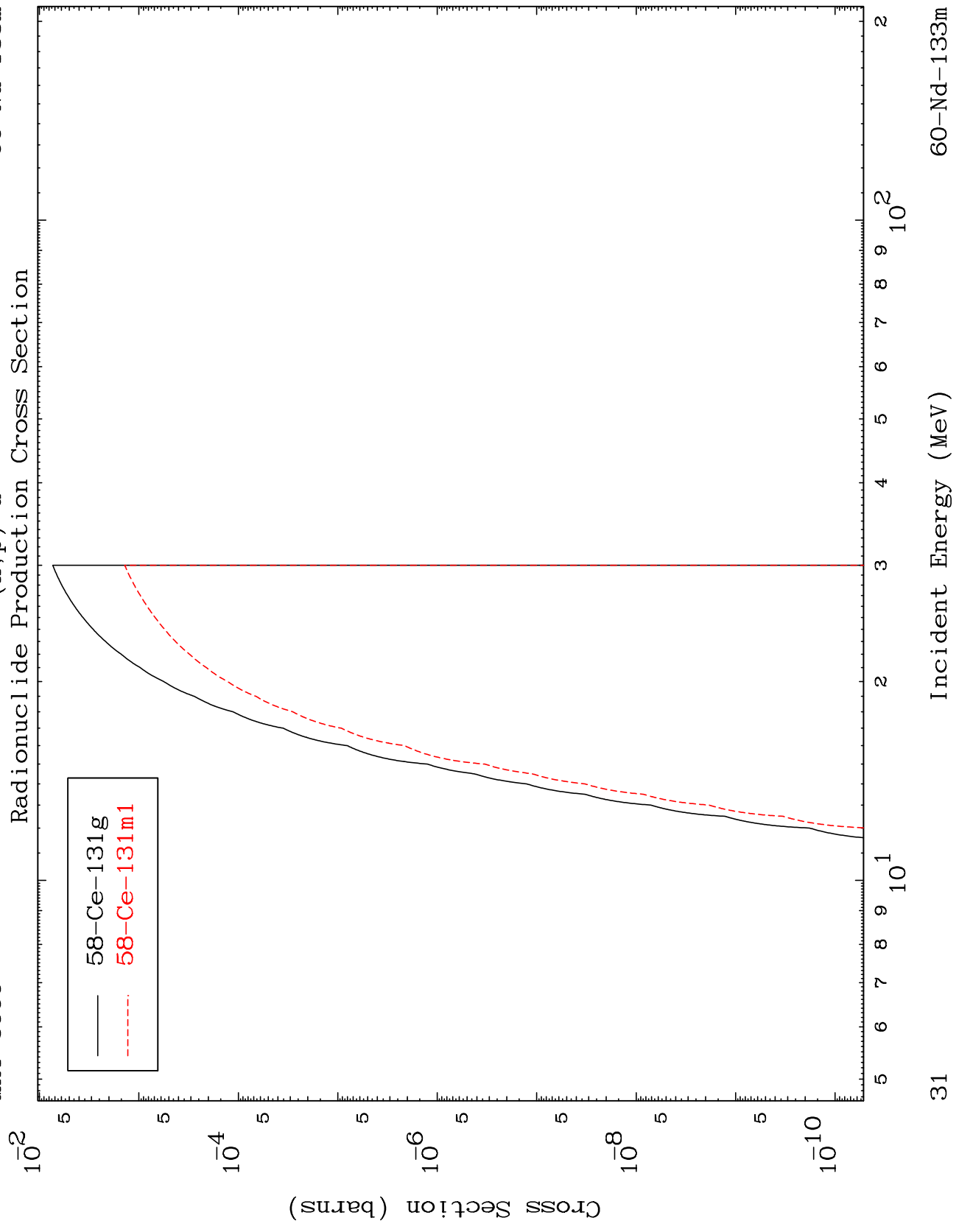
Incident Energy (MeV)

60-Nd-133m

MAT 5999

(n,p) d

60-Nd-133m



58-Ce-131g  
58-Ce-131m1

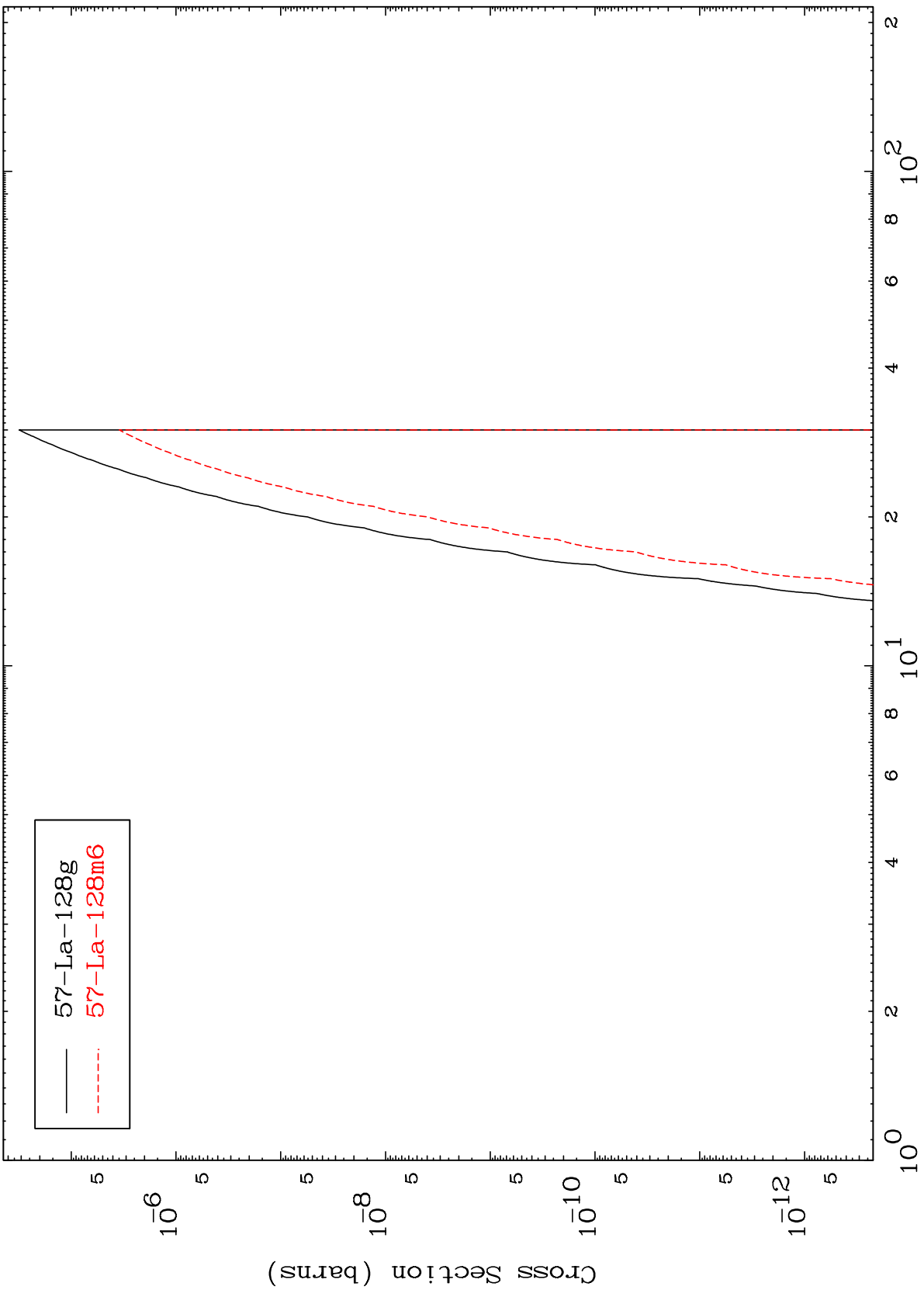


MAT 5999

(n,d)  $\alpha$

60-Nd-133m

Radionuclide Production Cross Section



32

Incident Energy (MeV)

60-Nd-133m