

Program EVALPLOT  
(Version 2021-1)

by

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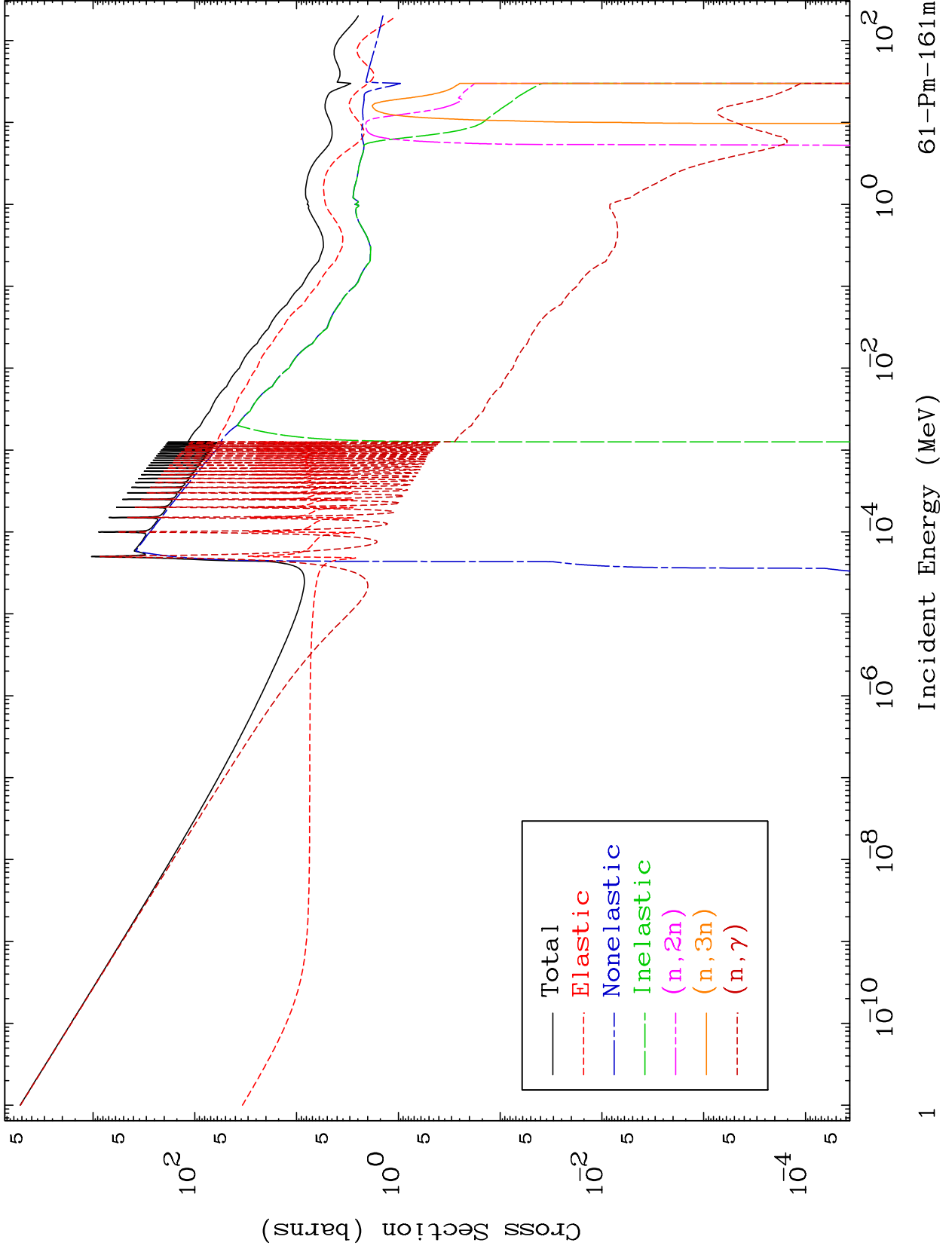
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6192

Neutron Major  
293 Kelvin Cross Sections

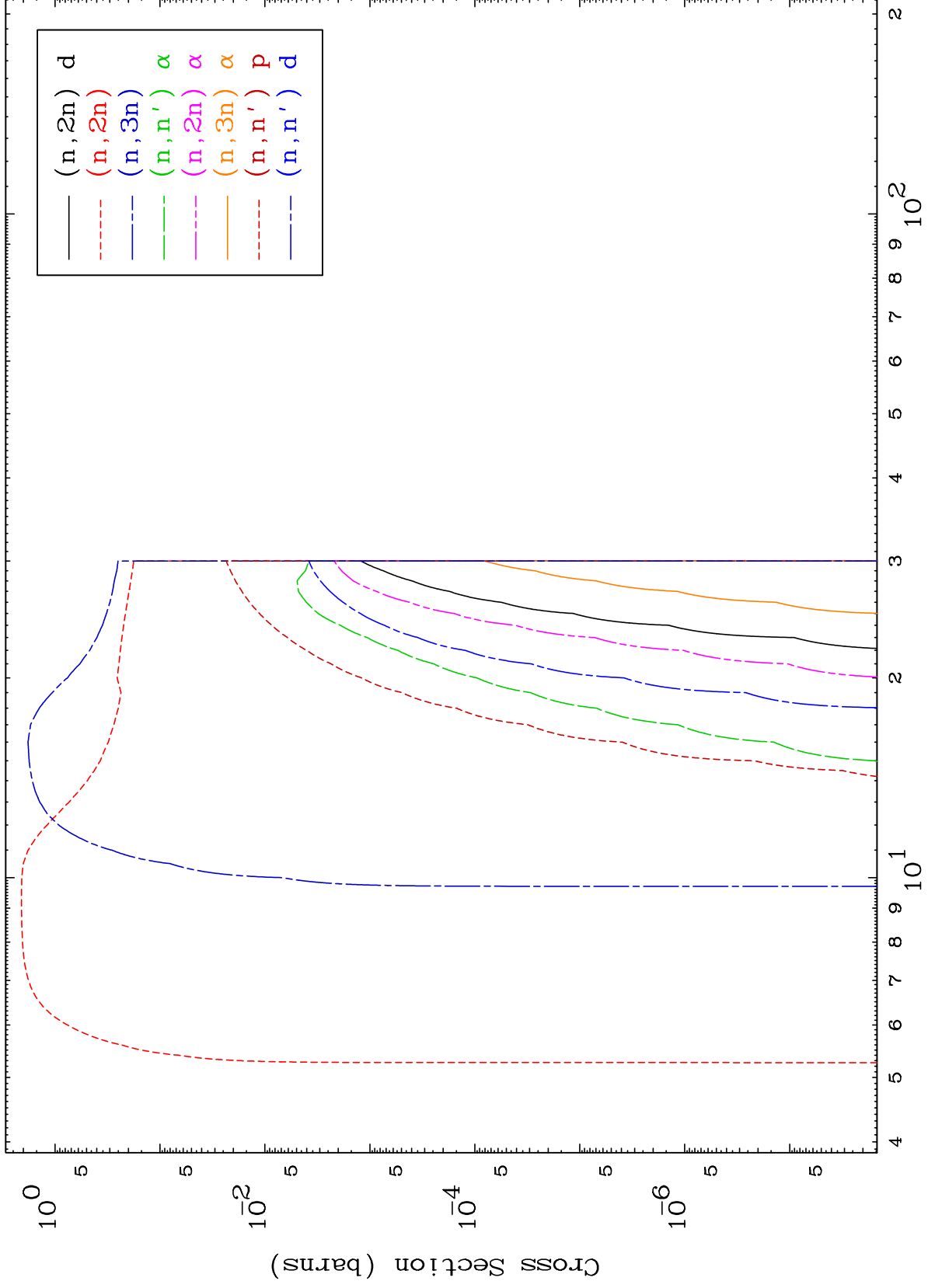
61-Pm-161m



MAT 6192

Neutron Absorption  
293 Kelvin Cross Sections

61-Pm-161m



2

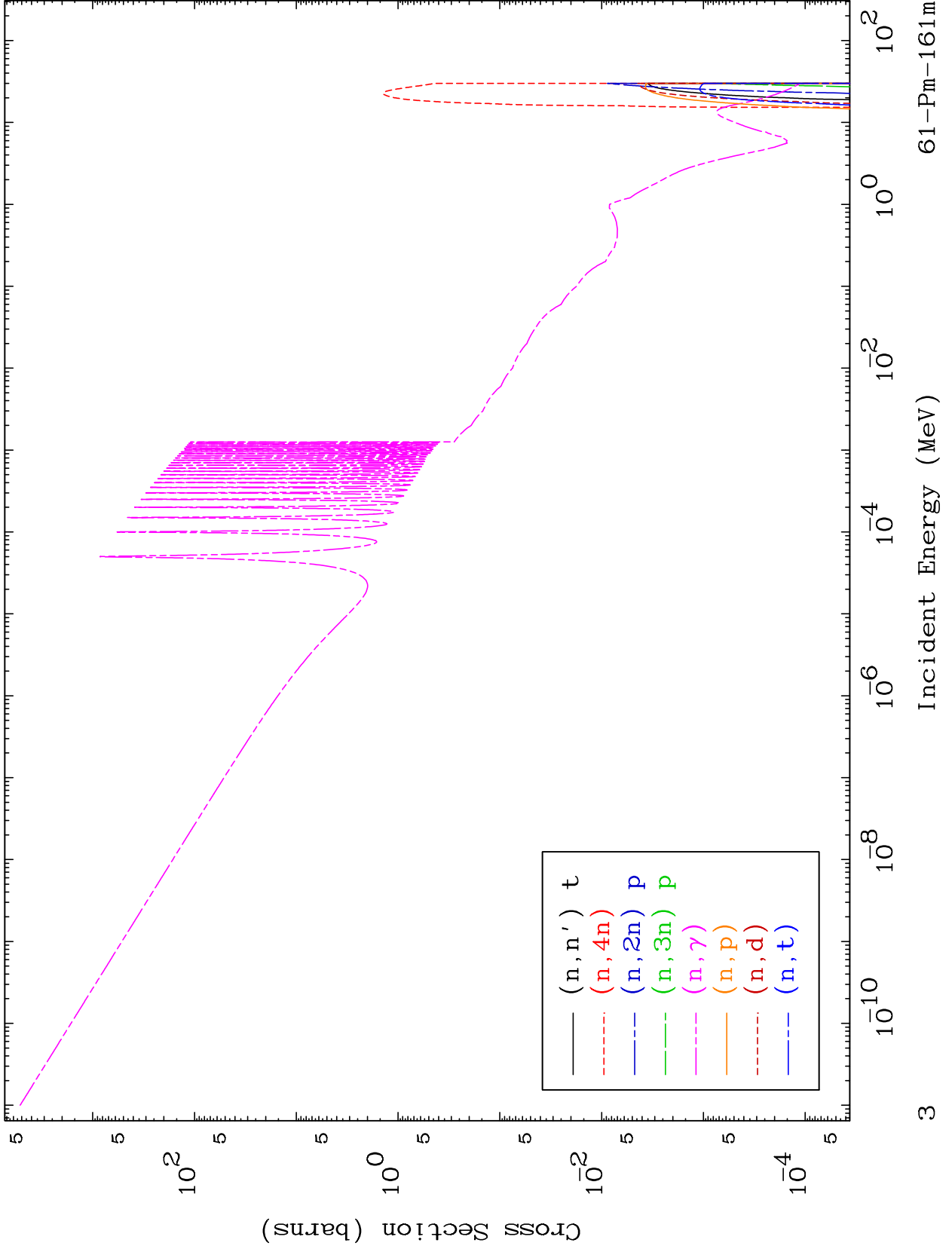
Incident Energy (MeV)

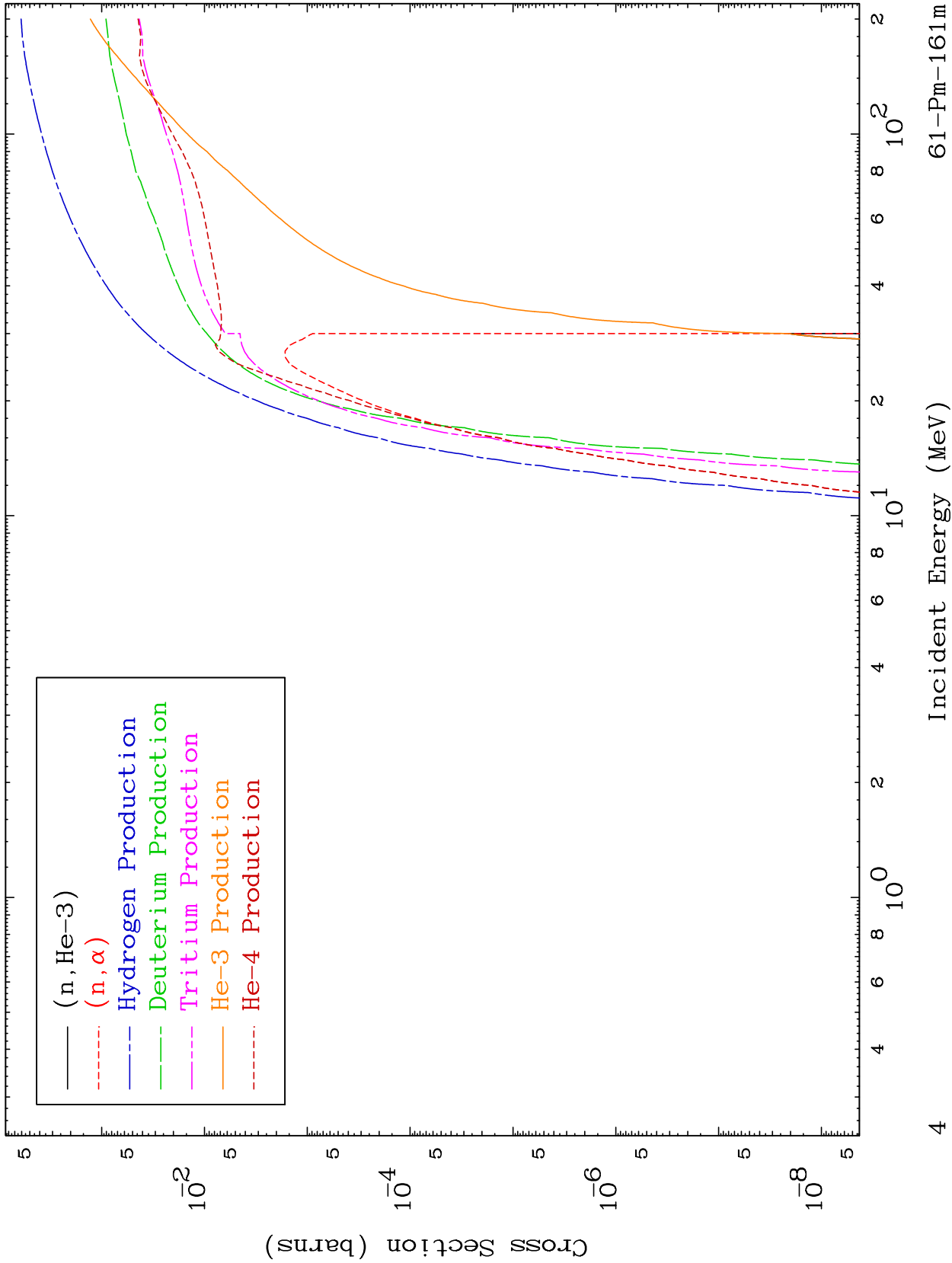
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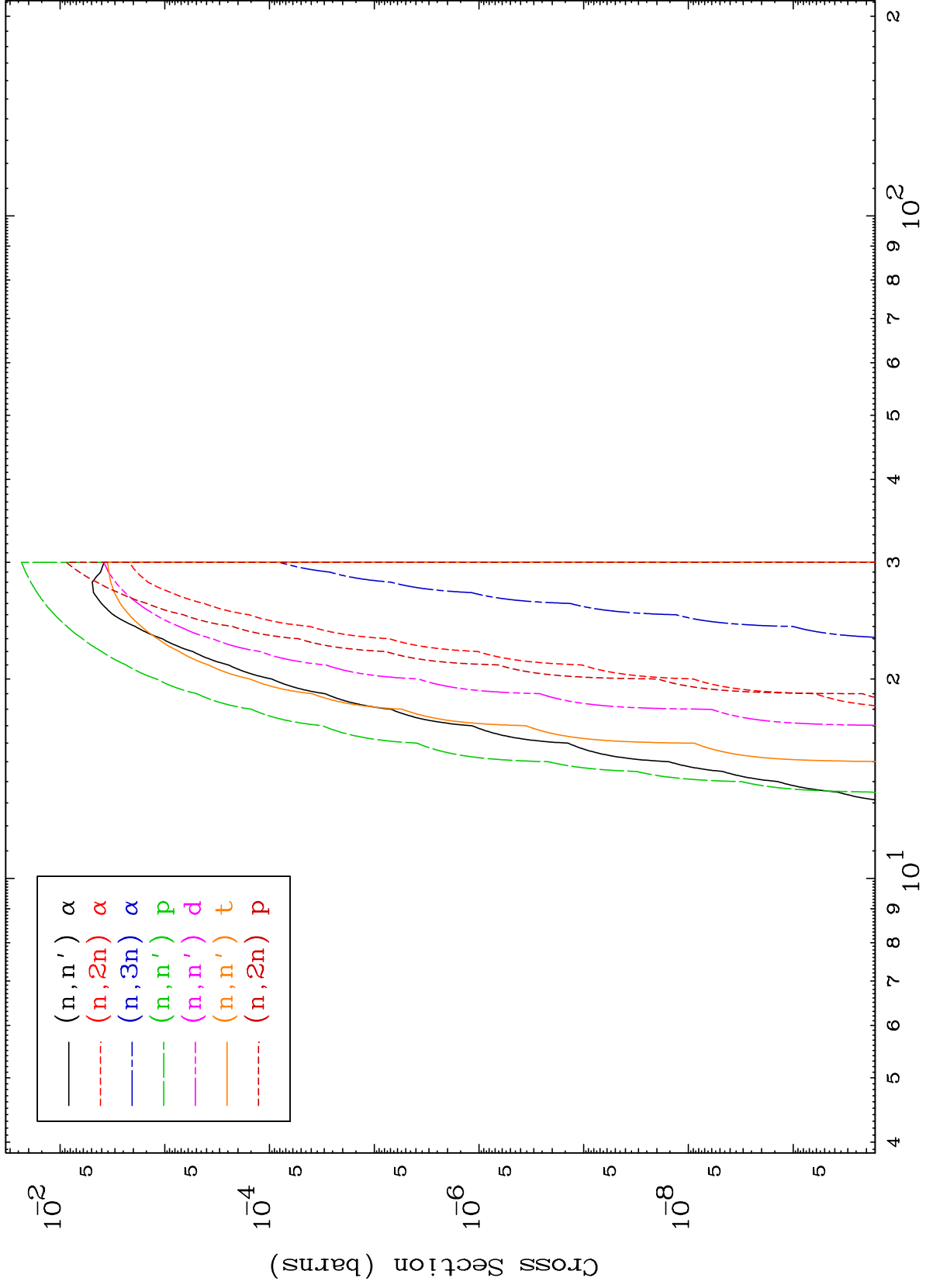
MAT 6192

Neutron Absorption  
293 Kelvin Cross Sections

61-Pm-161m



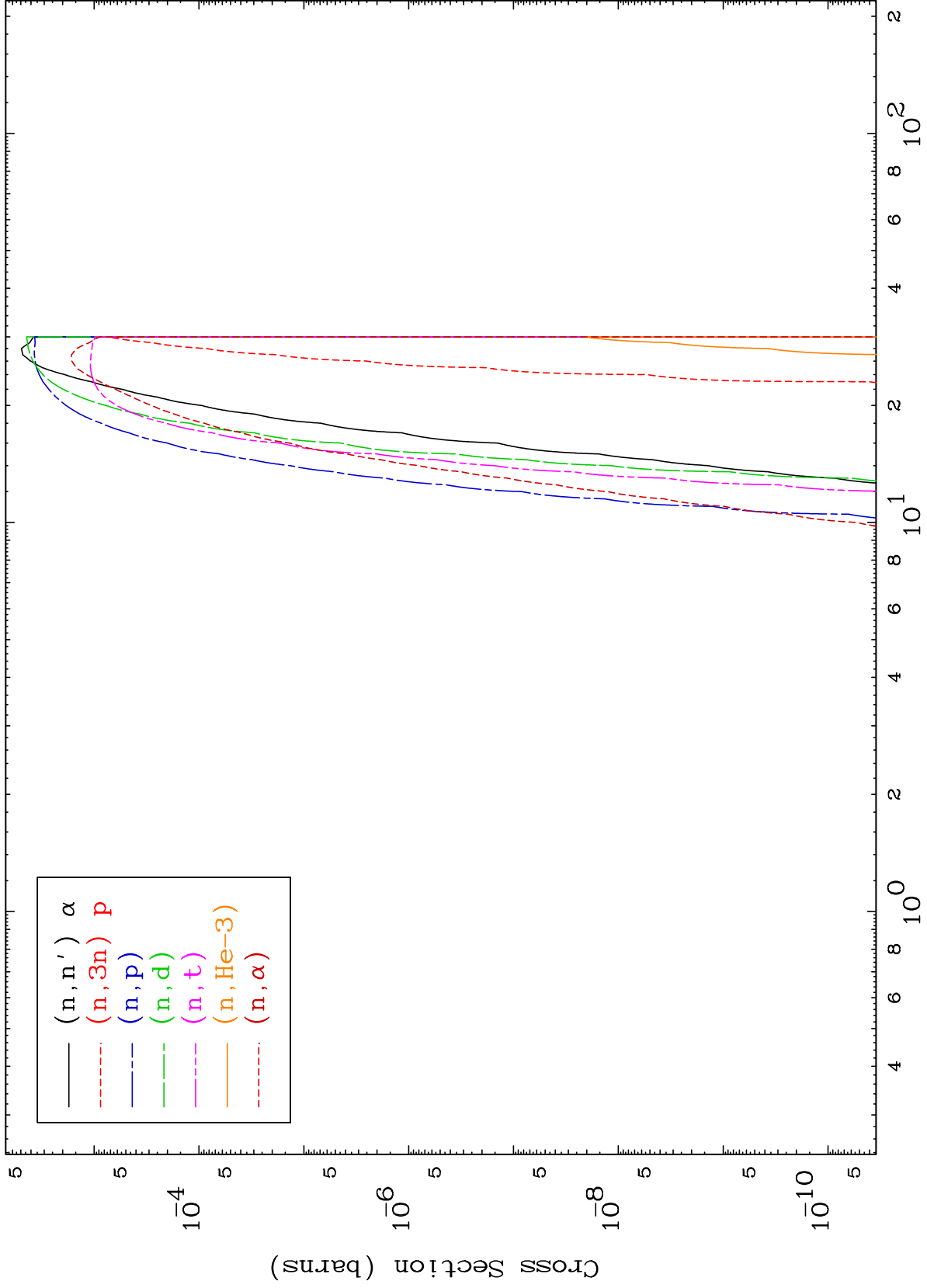




MAT 6192

Charged Particle  
293 Kelvin Cross Sections

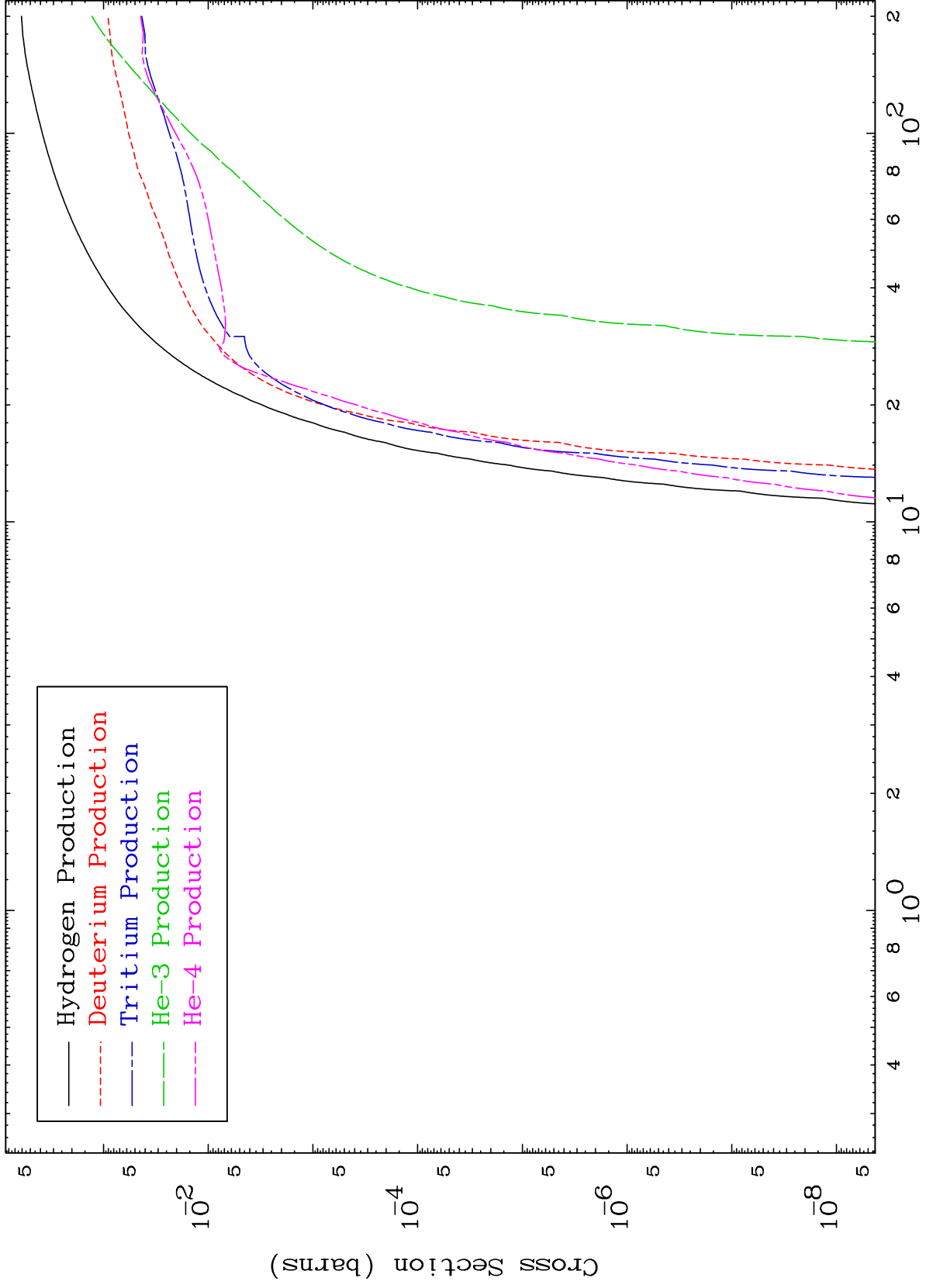
61-Pm-161m



MAT 6192

Particle Production  
293 Kelvin Cross Sections

61-Pm-161m

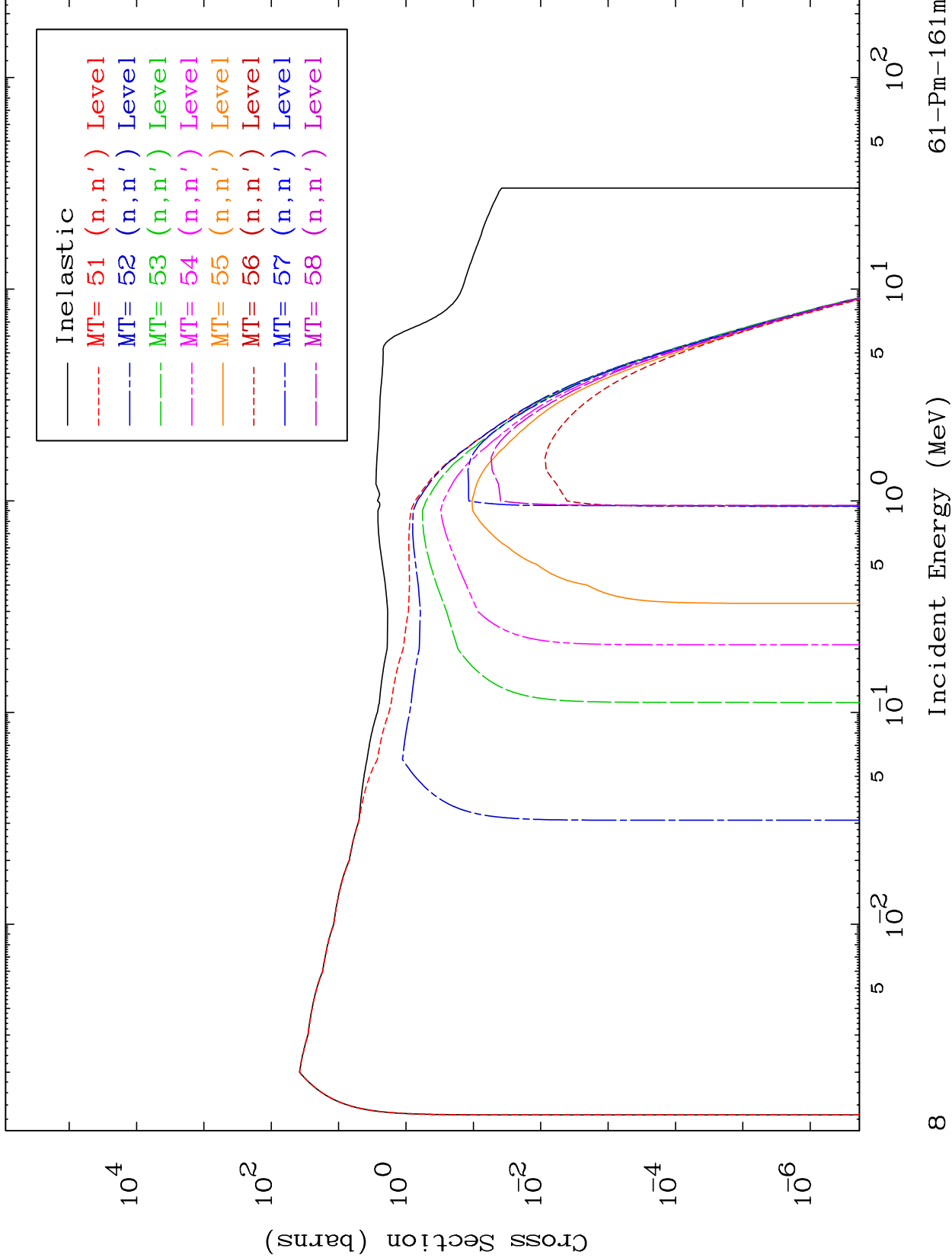




MAT 6192

(n,n') Levels  
293 Kelvin Cross Sections

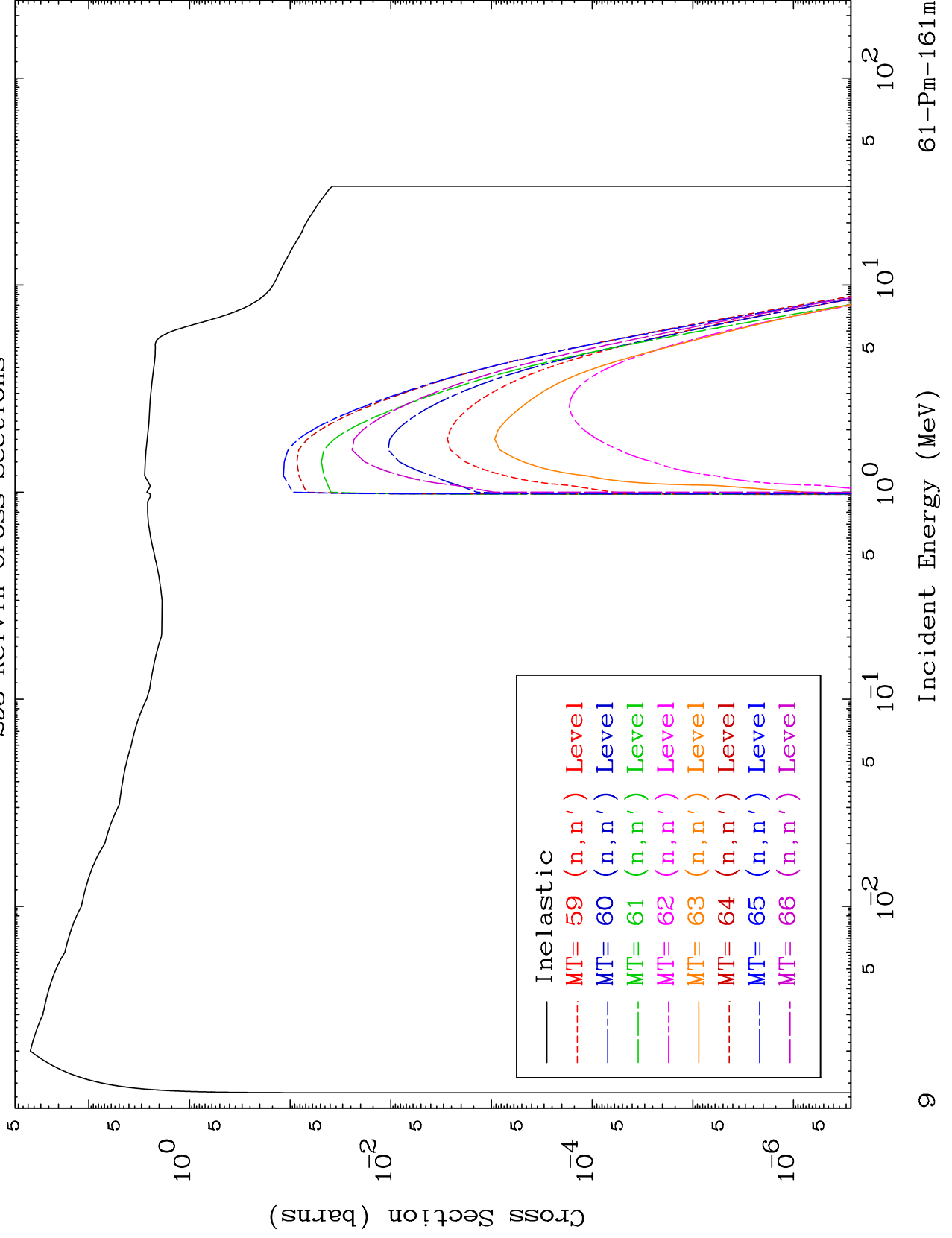
61-Pm-161m



MAT 6192

(n,n') Levels  
293 Kelvin Cross Sections

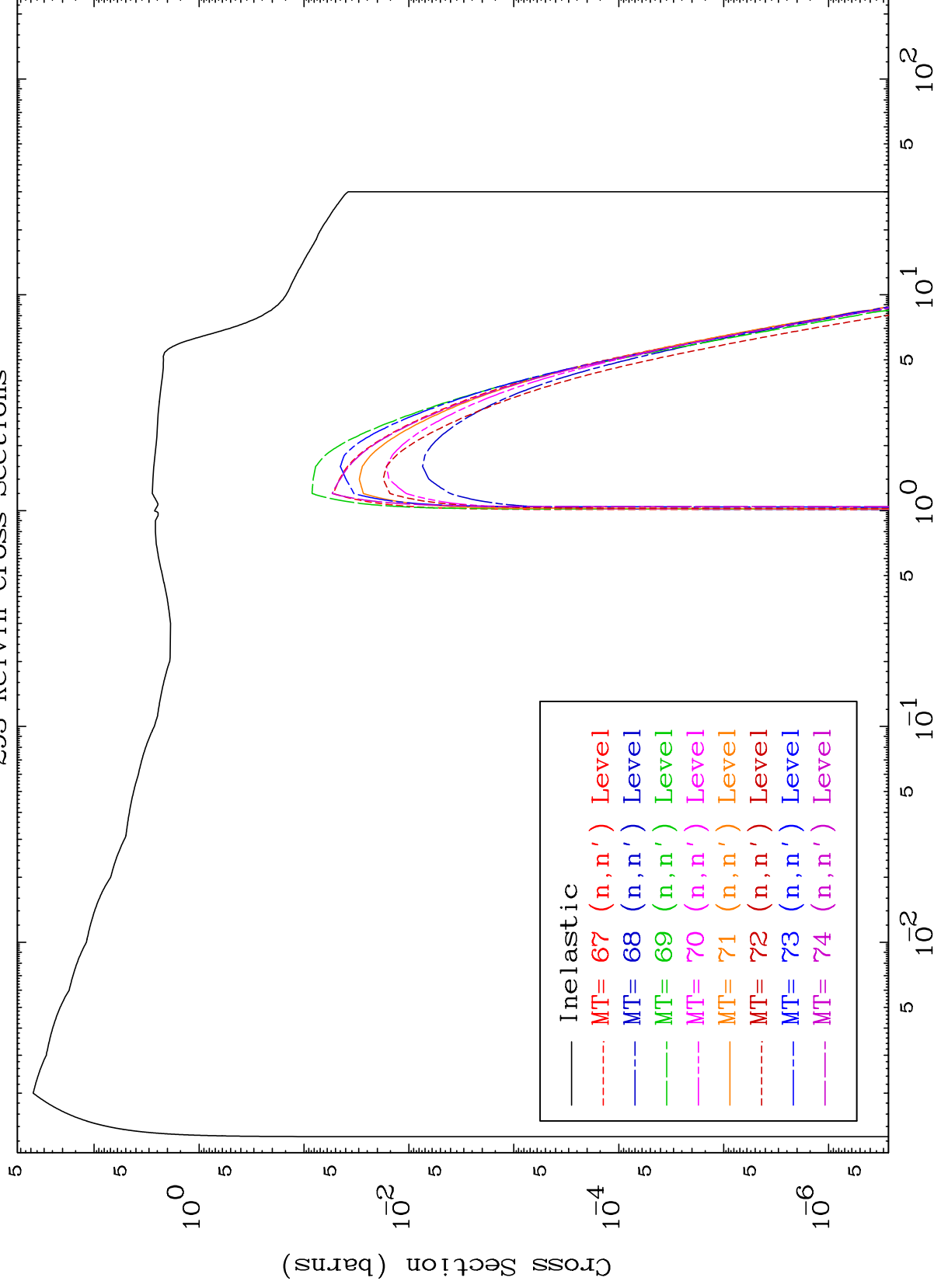
61-Pm-161m



MAT 6192

(n,n') Levels  
293 Kelvin Cross Sections

61-Pm-161m



10

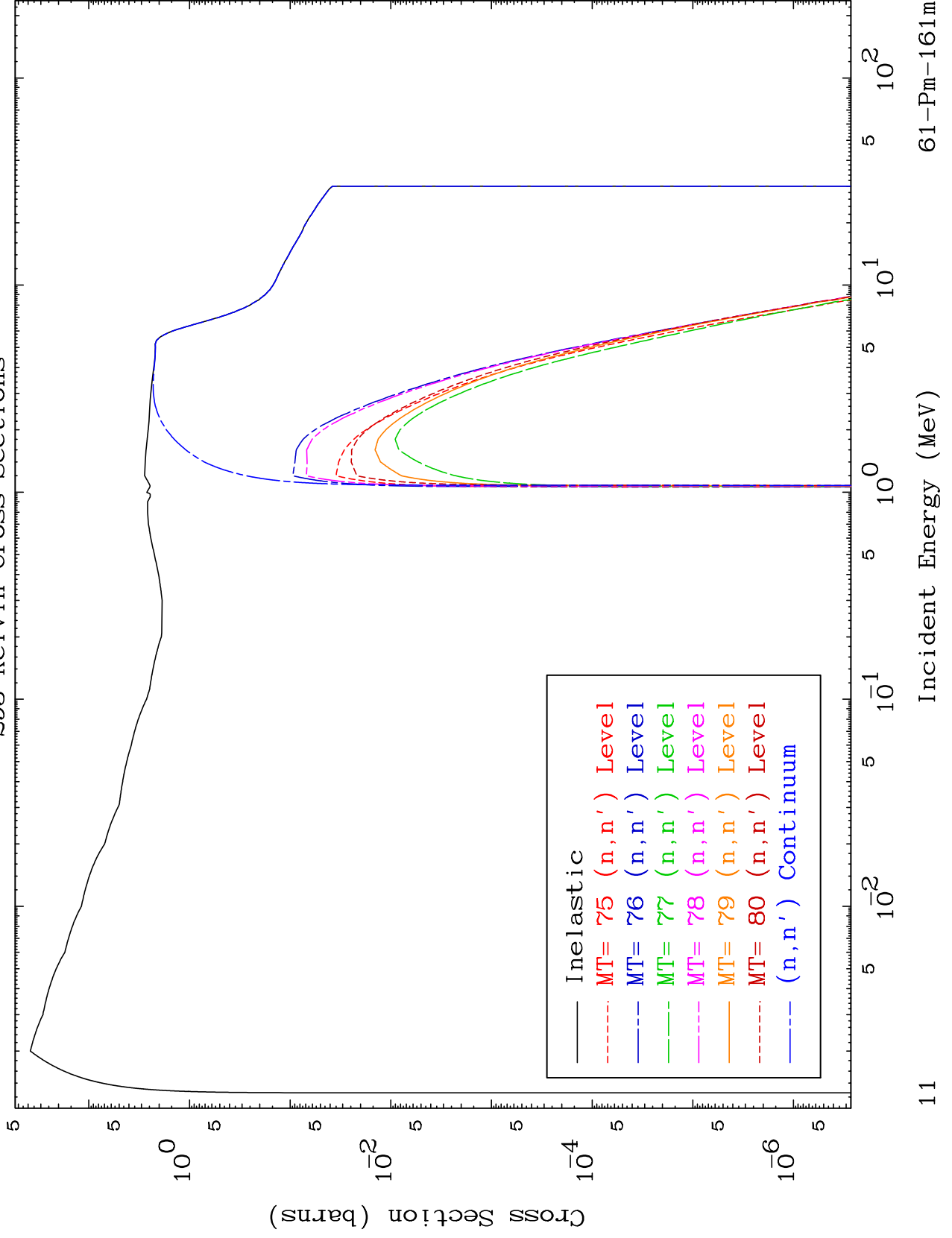
Incident Energy (MeV)

61-Pm-161m

MAT 6192

(n,n') Levels  
293 Kelvin Cross Sections

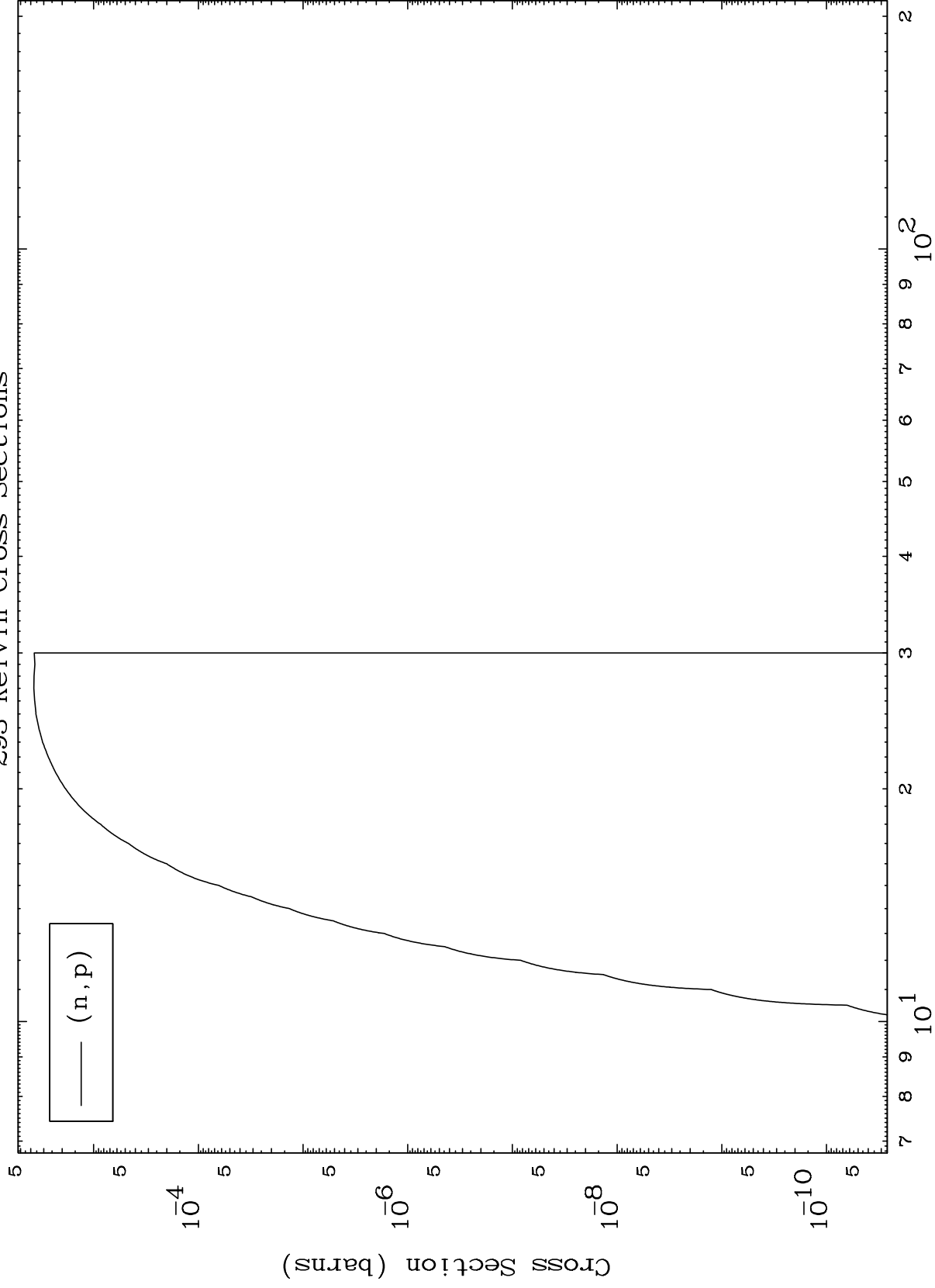
61-Pm-161m



MAT 6192

(n,p) Levels  
293 Kelvin Cross Sections

61-Pm-161m



12

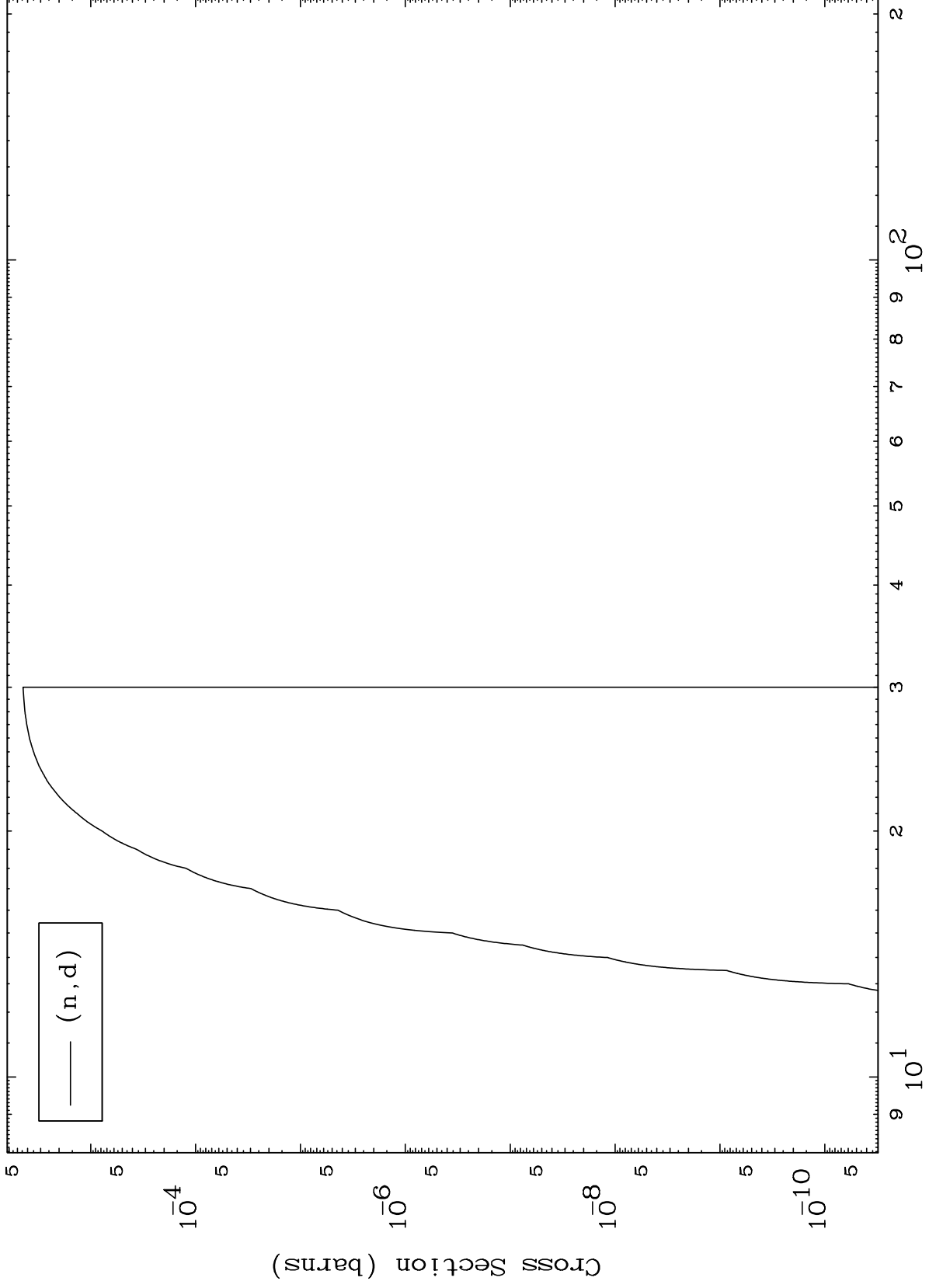
Incident Energy (MeV)

61-Pm-161m

MAT 6192

(n,d) Levels  
293 Kelvin Cross Sections

61-Pm-161m



13

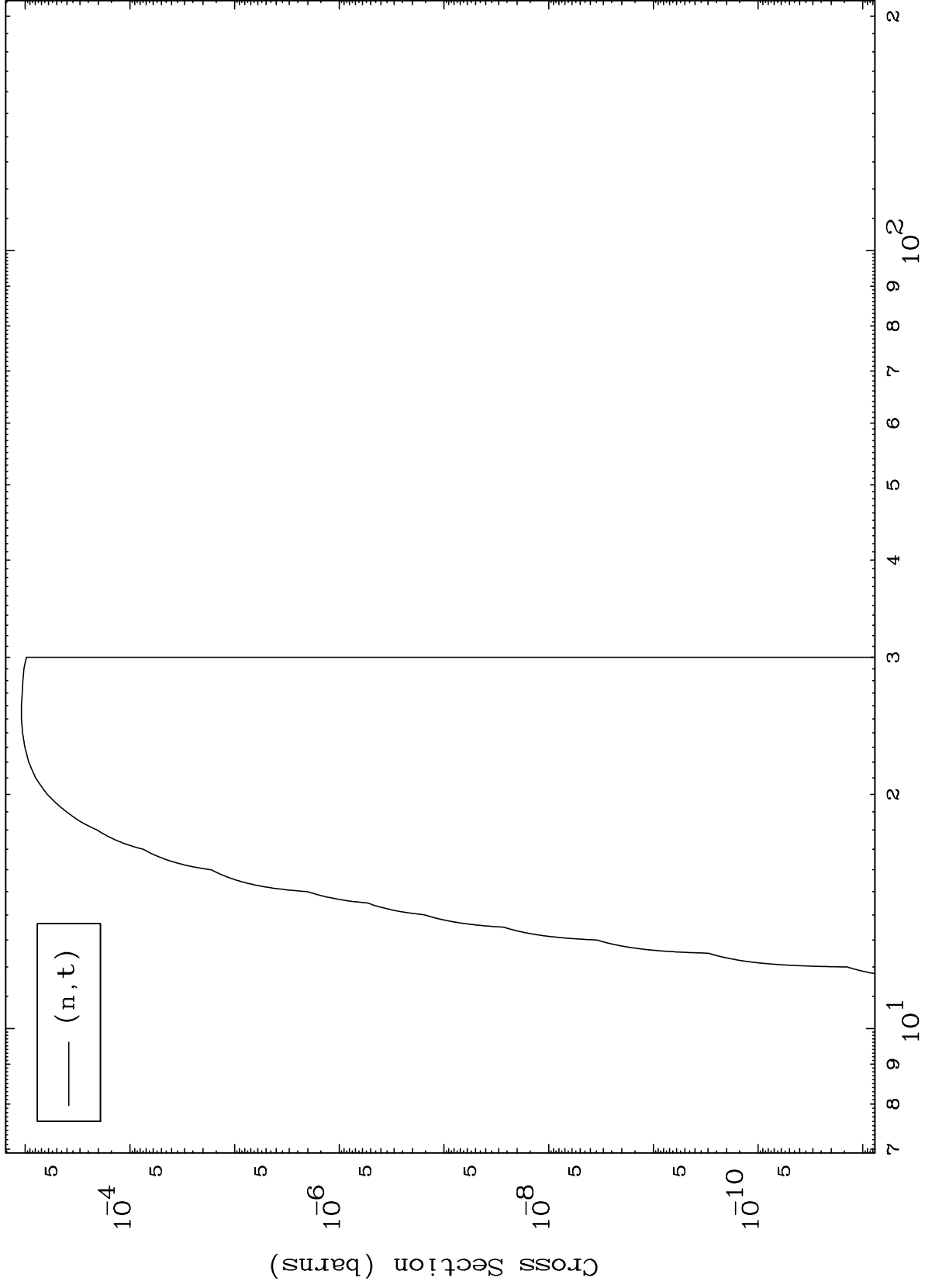
Incident Energy (MeV)

61-Pm-161m

MAT 6192

(n,t) Levels  
293 Kelvin Cross Sections

61-Pm-161m



14

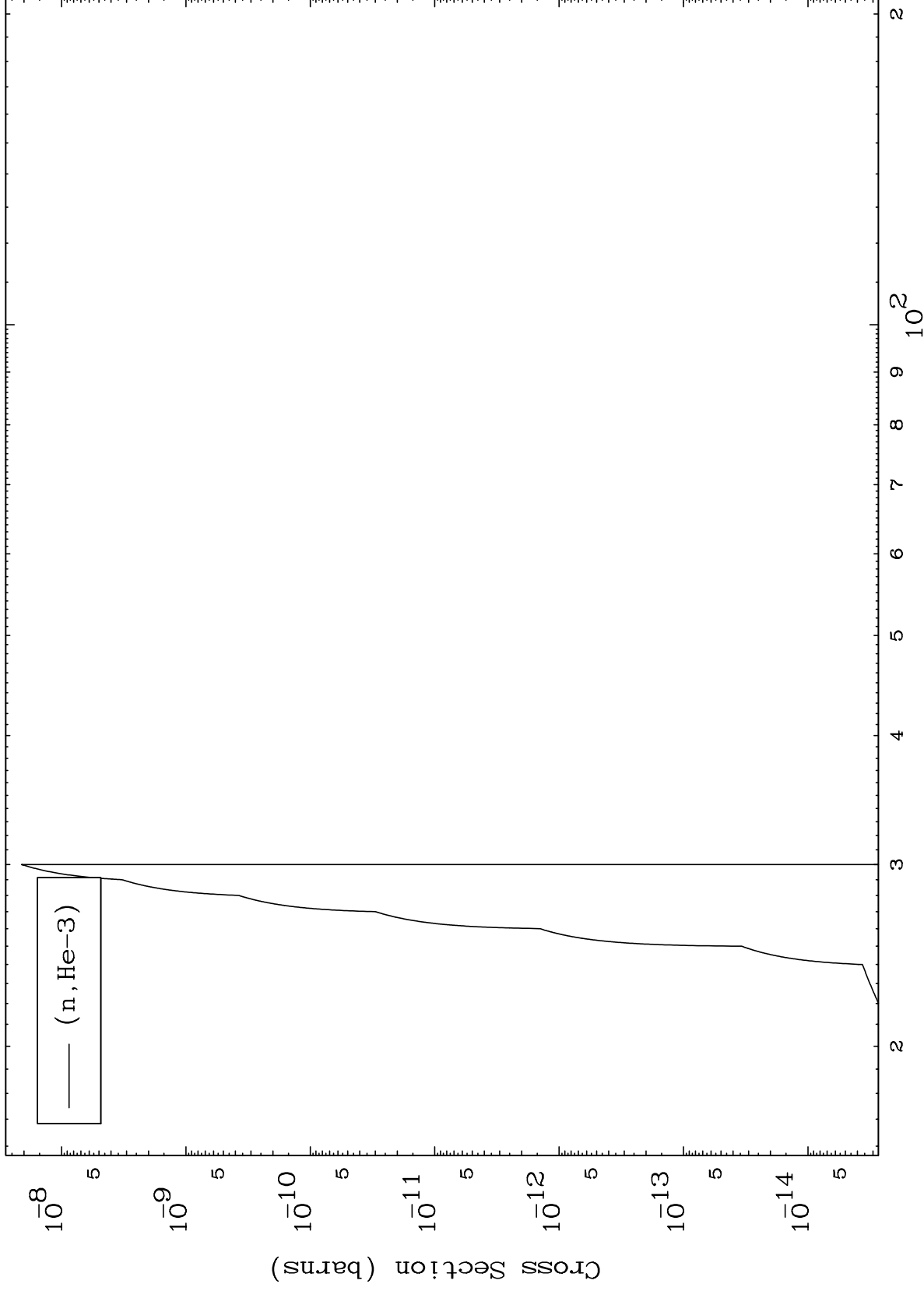
Incident Energy (MeV)

61-Pm-161m

MAT 6192

(n,He3) Levels  
293 Kelvin Cross Sections

61-Pm-161m



15

Incident Energy (MeV)

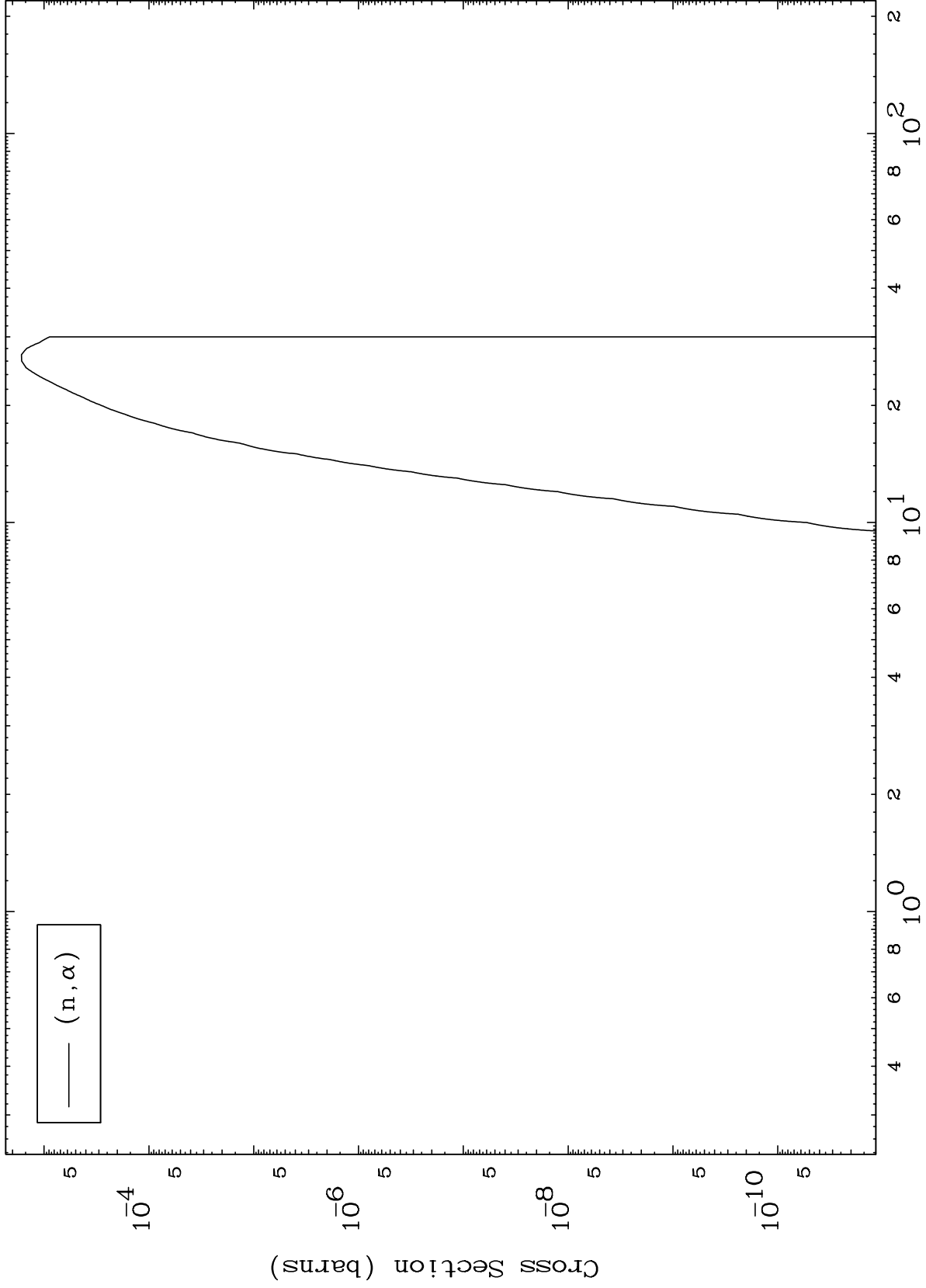
61-Pm-161m



MAT 6192

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

61-Pm-161m



16

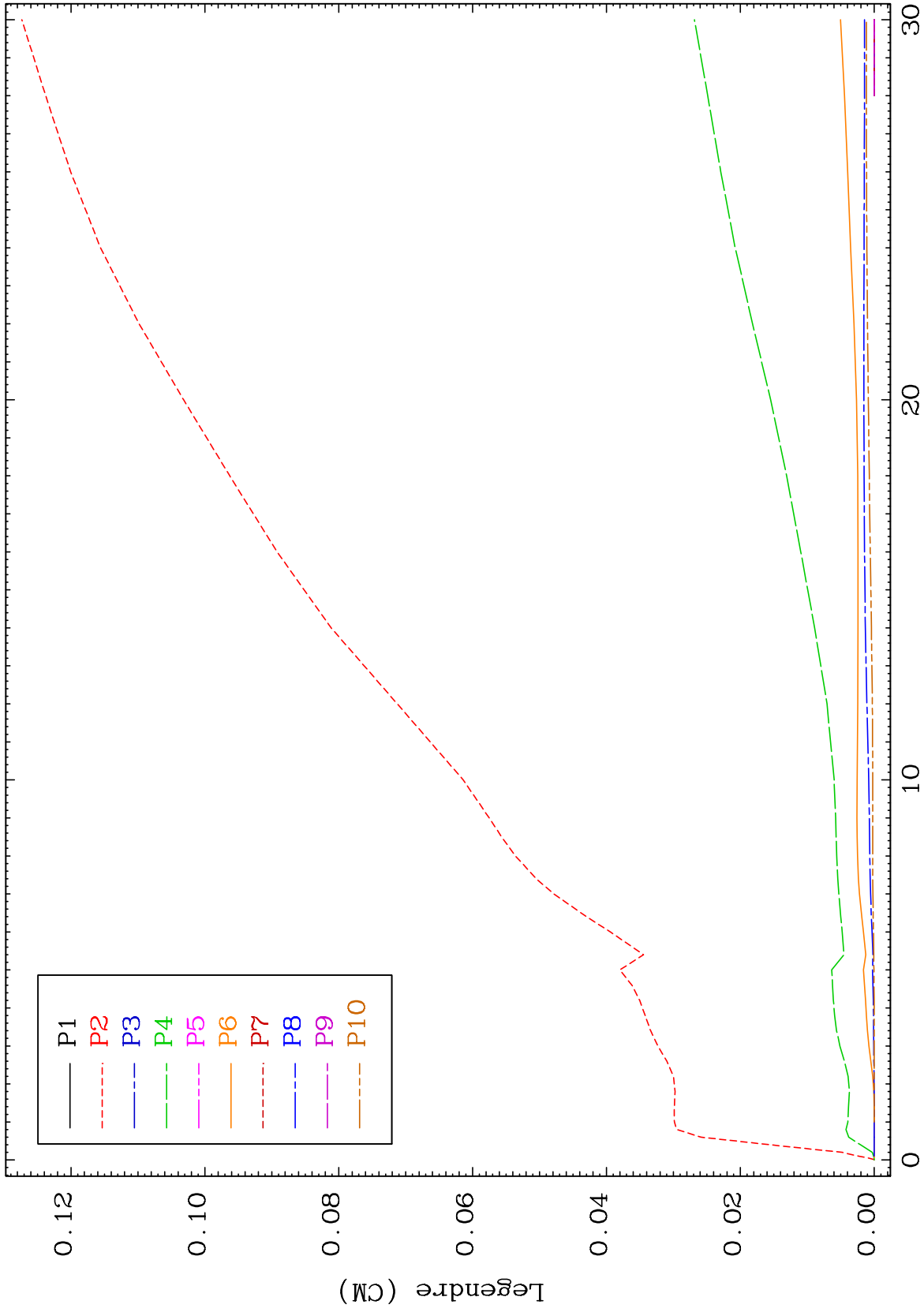
Incident Energy (MeV)

61-Pm-161m

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### Elastic Legendre Coefficients

61-Pm-161m



17

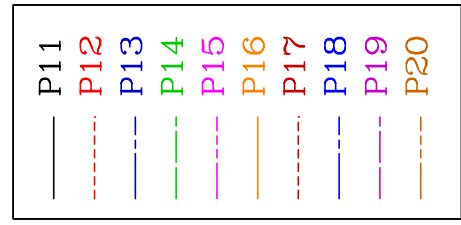
Incident Energy (MeV)

61-Pm-161m

MAT 6192

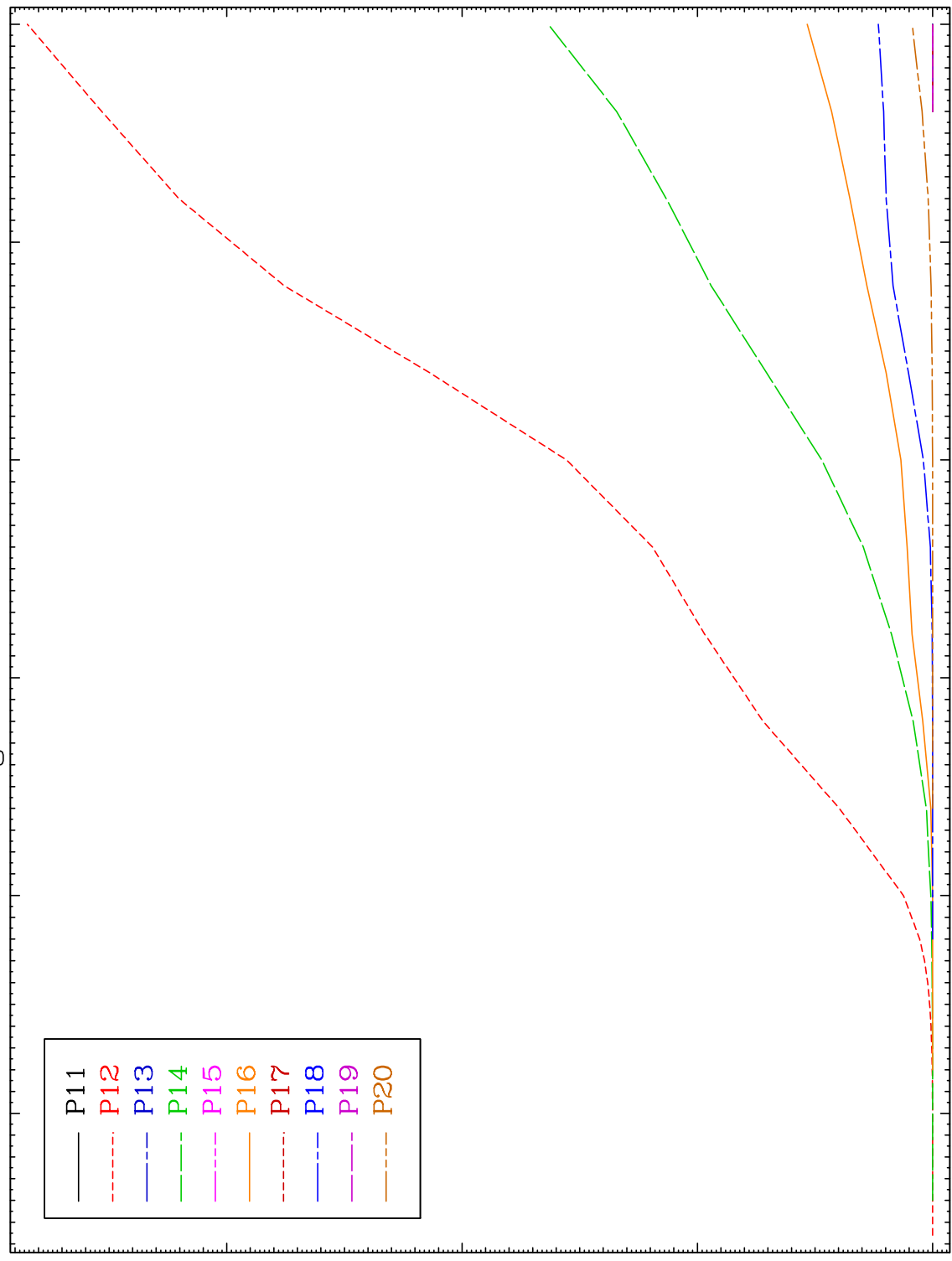
Elastic Legendre Coefficients

61-Pm-161m



$\times 10^{-4}$

Legendre (CM)



18

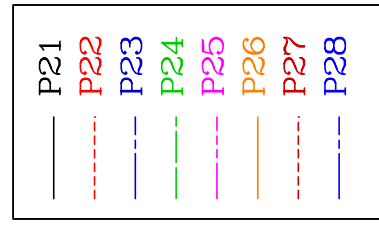
Incident Energy (MeV)

61-Pm-161m

MAT 6192

Elastic Legendre Coefficients

61-Pm-161m



$\times 10^{-7}$

Legendre (CM)

6

4

2

0

15

20

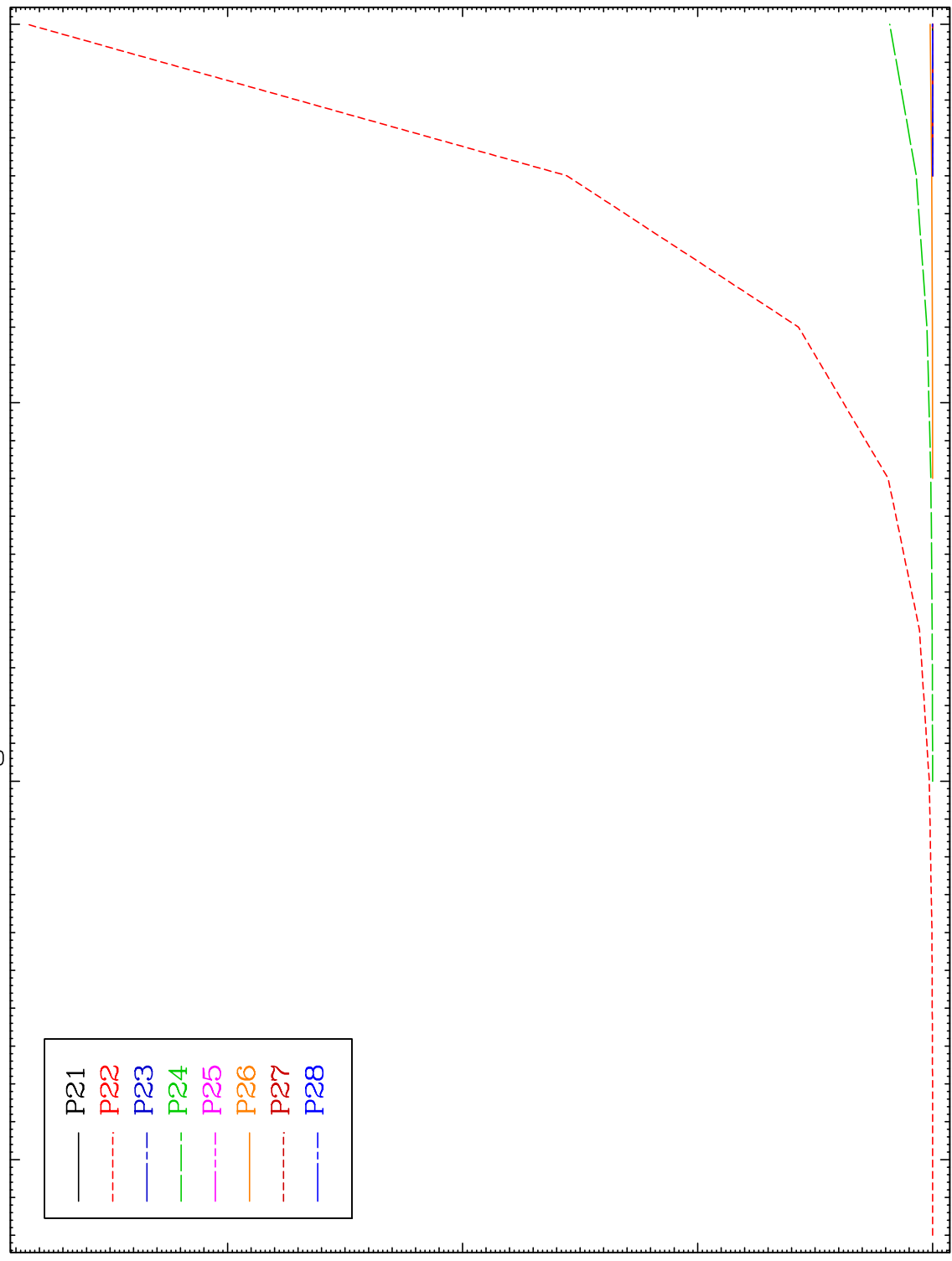
25

30

19

Incident Energy (MeV)

61-Pm-161m



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Radionuclide Production Cross Section

61-Pm-161m

