

Program EVALPLOT  
(Version 2021-1)

by

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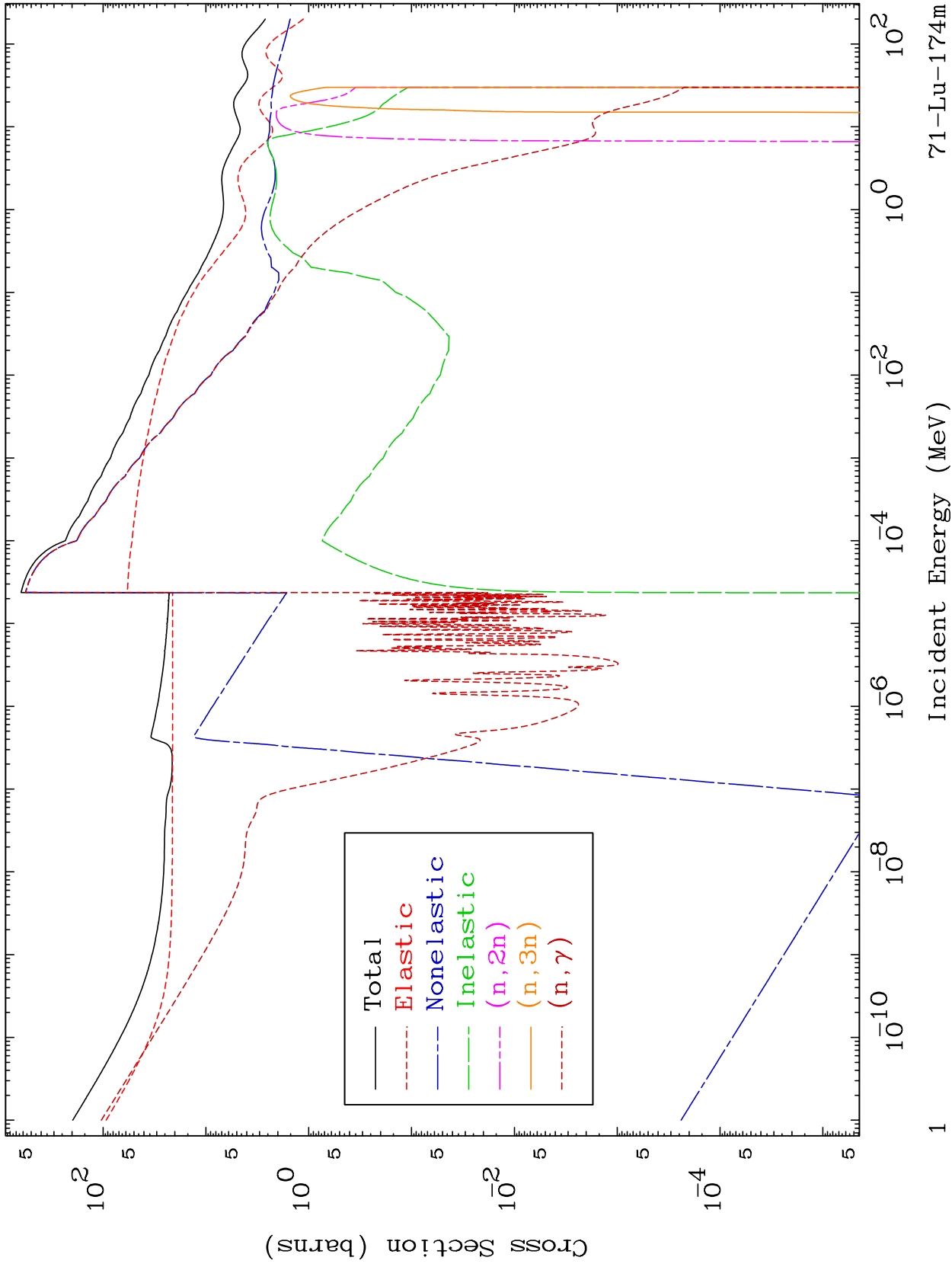
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7123

Neutron Major  
293 Kelvin Cross Sections

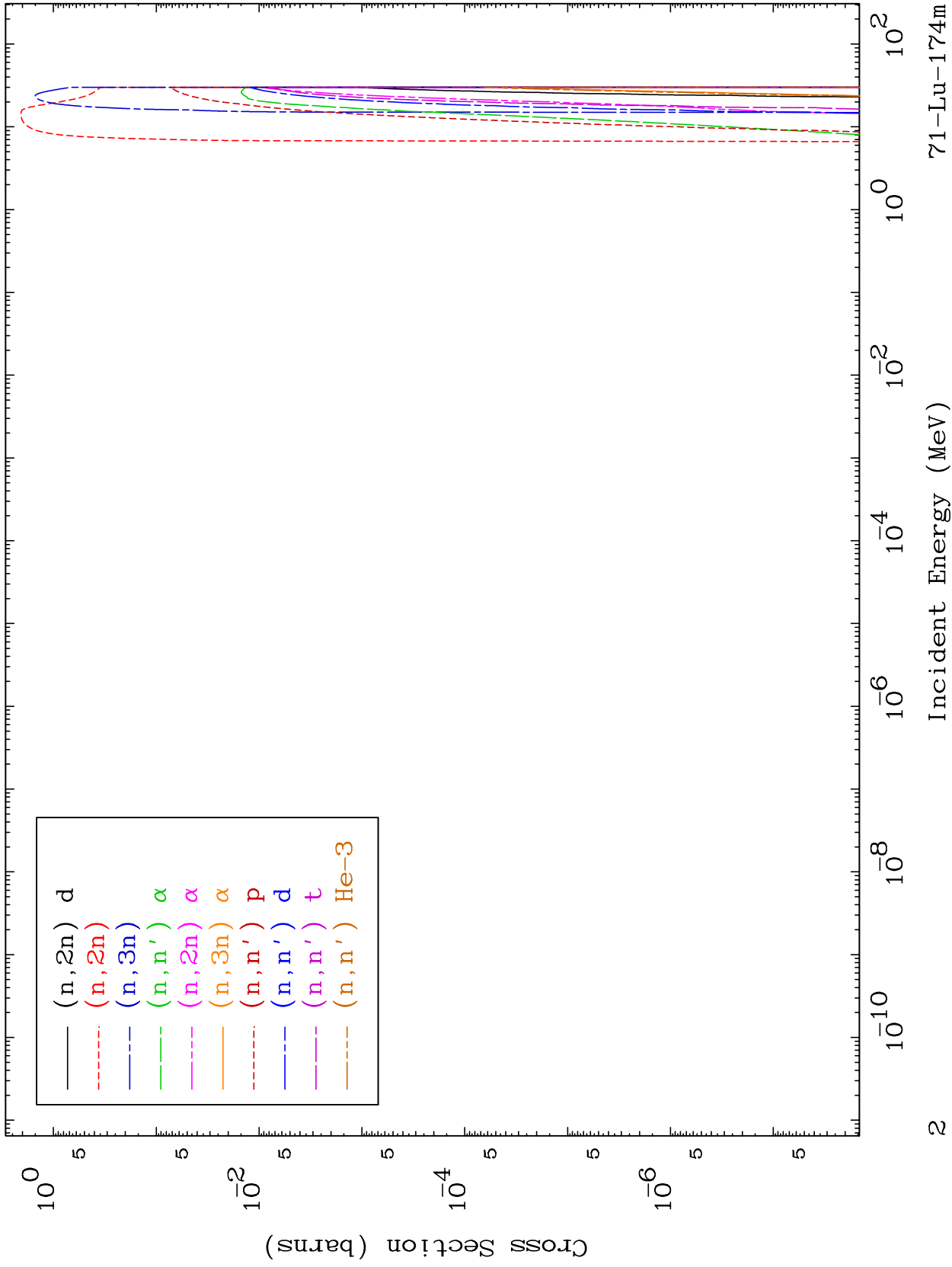
71-Lu-174m



MAT 7123

Neutron Absorption  
293 Kelvin Cross Sections

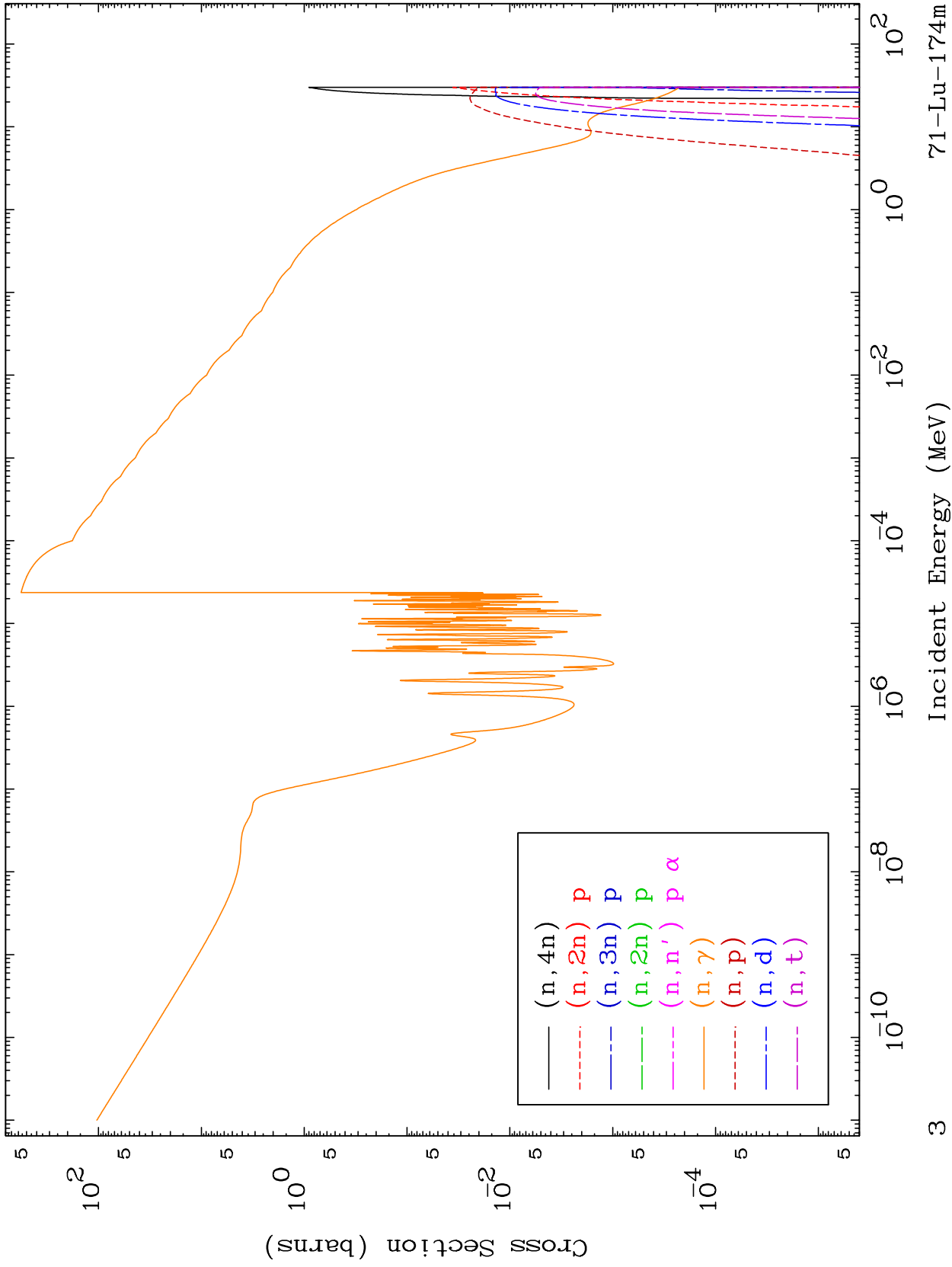
71-Lu-174m



MAT 7123

Neutron Absorption  
293 Kelvin Cross Sections

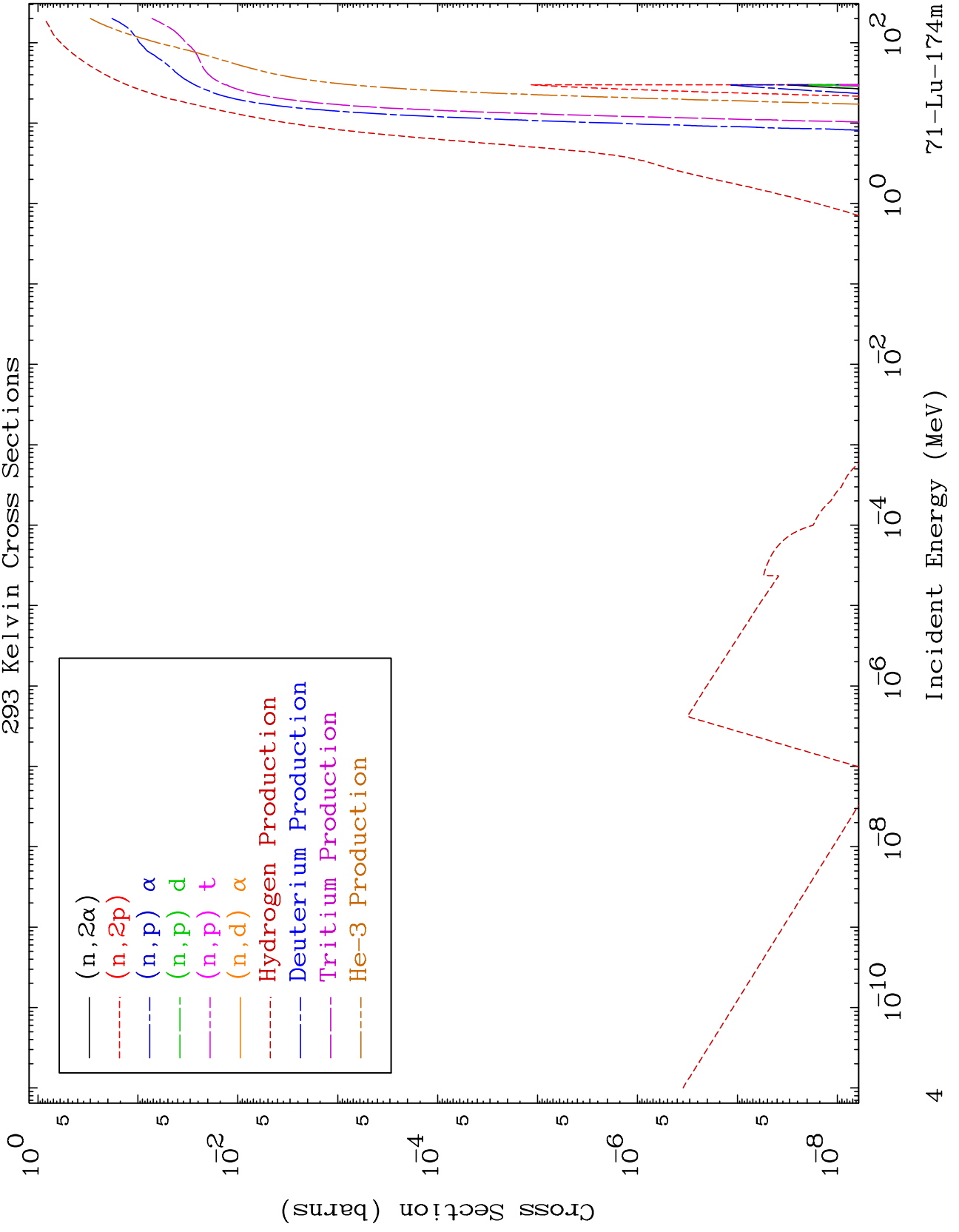
71-Lu-174m



MAT 7123

Neutron Absorption  
293 Kelvin Cross Sections

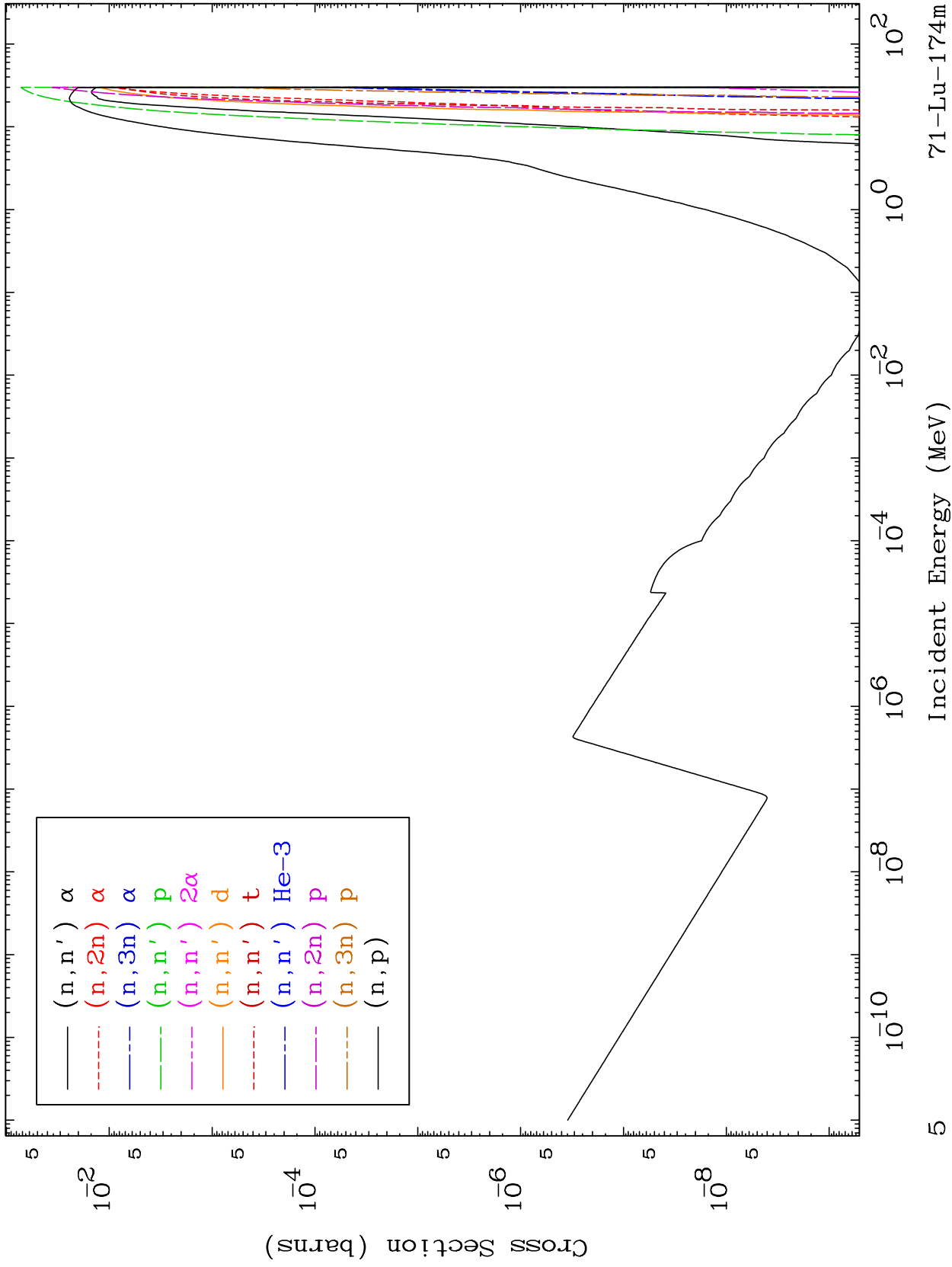
71-Lu-174m



MAT 7123

Charged Particle  
293 Kelvin Cross Sections

71-Lu-174m



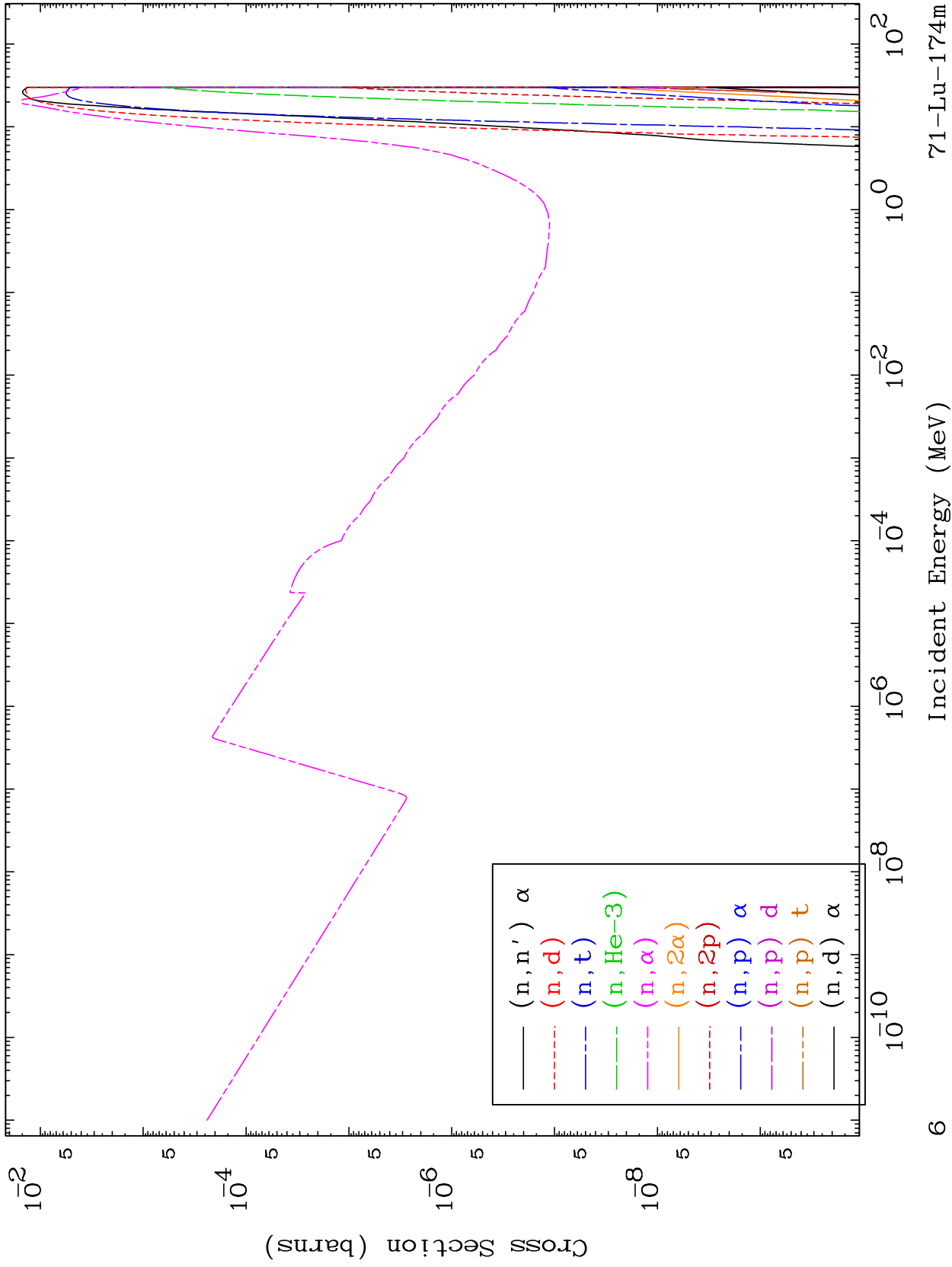
5

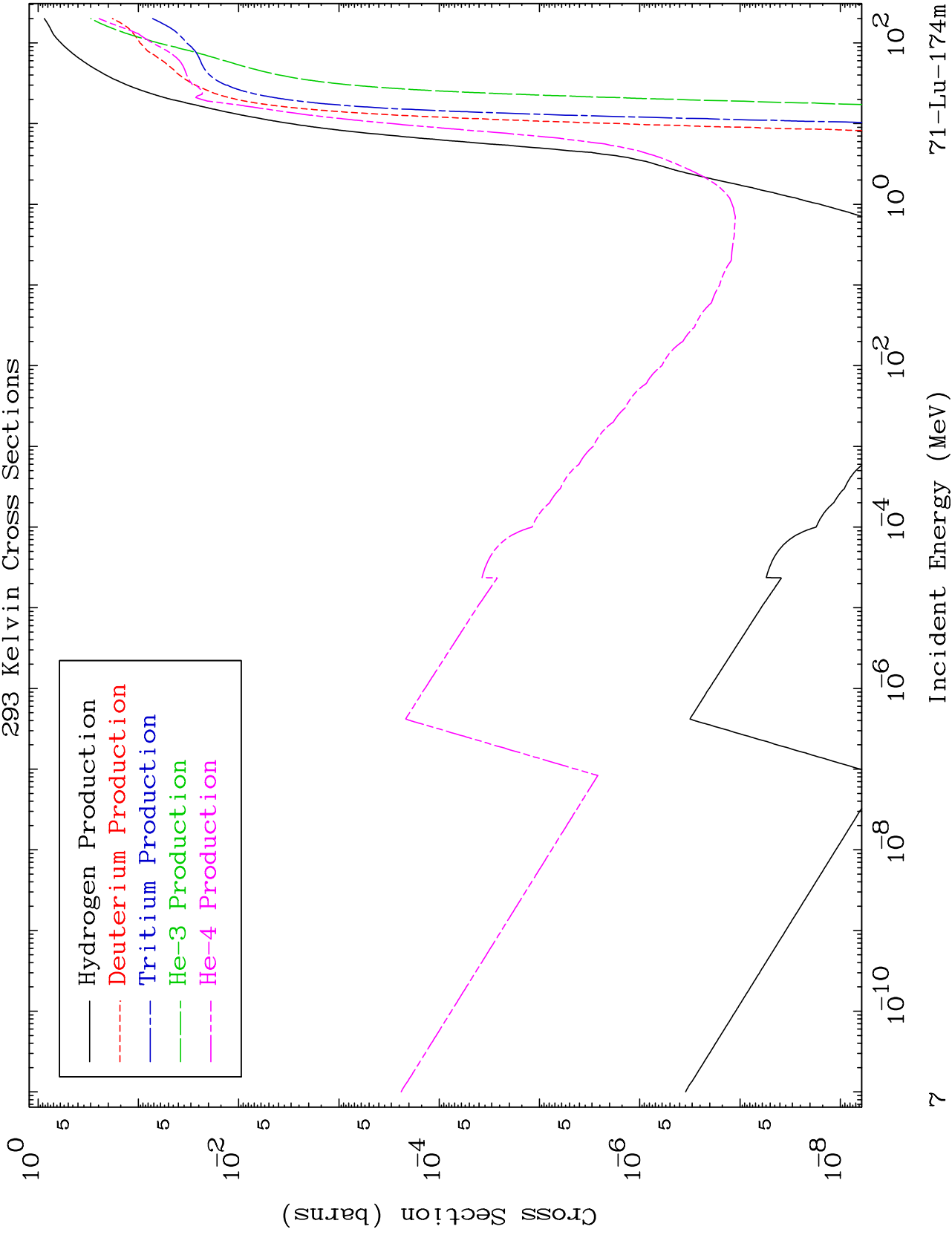
71-Lu-174m

MAT 7123

Charged Particle  
293 Kelvin Cross Sections

71-Lu-174m



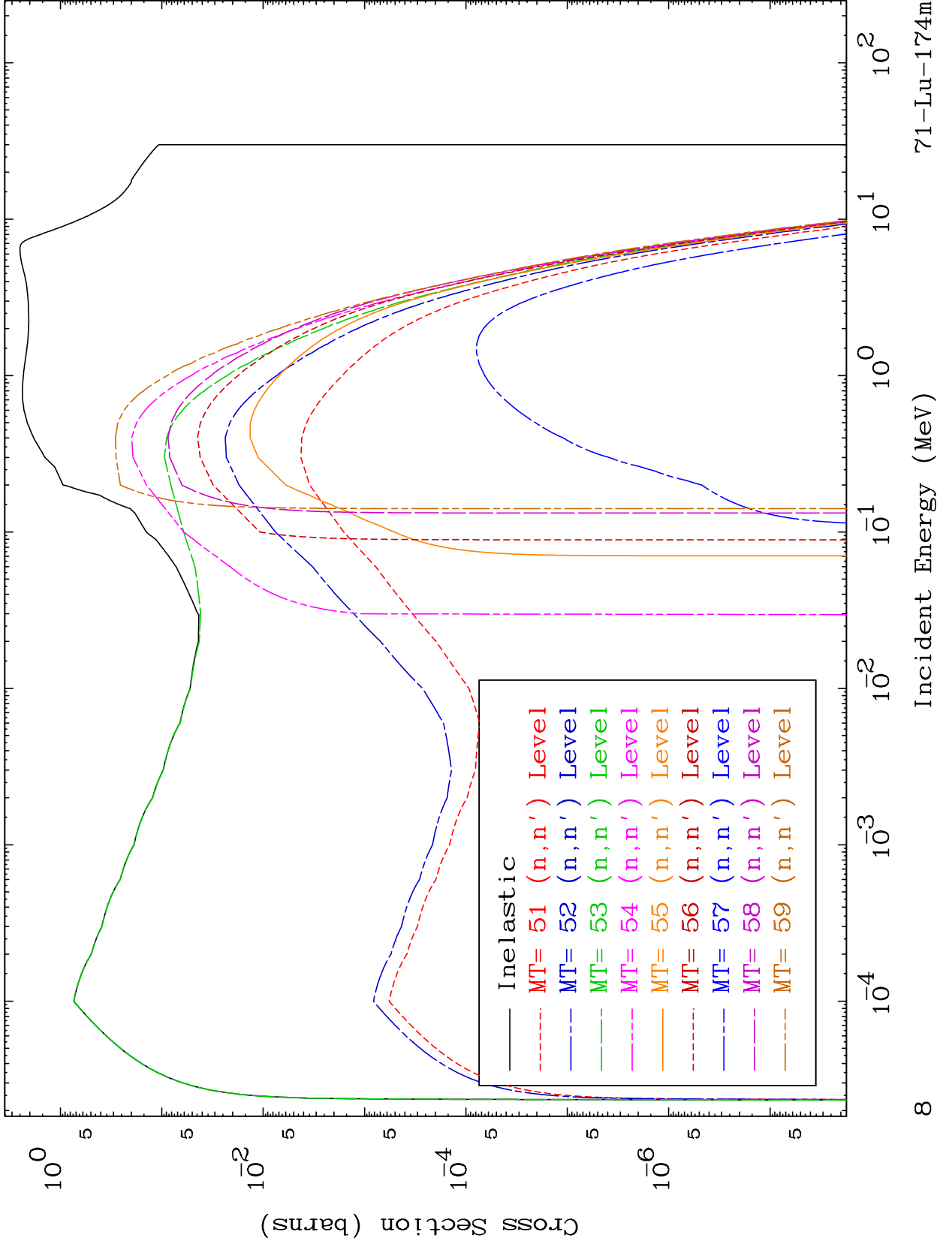




MAT 7123

293 (n,n') Levels

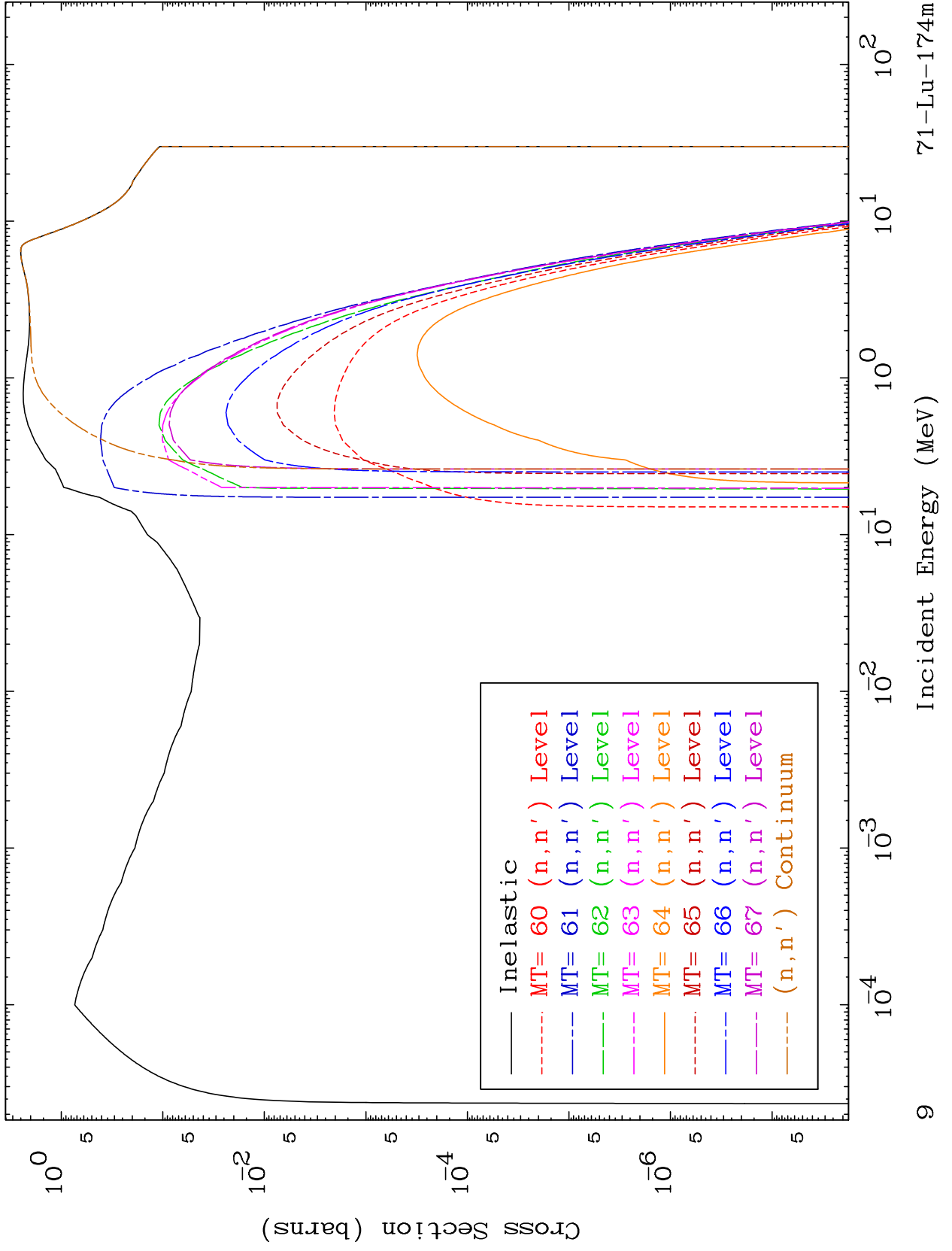
71-Lu-174m



MAT 7123

293 Kelvin Cross Sections  
(n,n') Levels

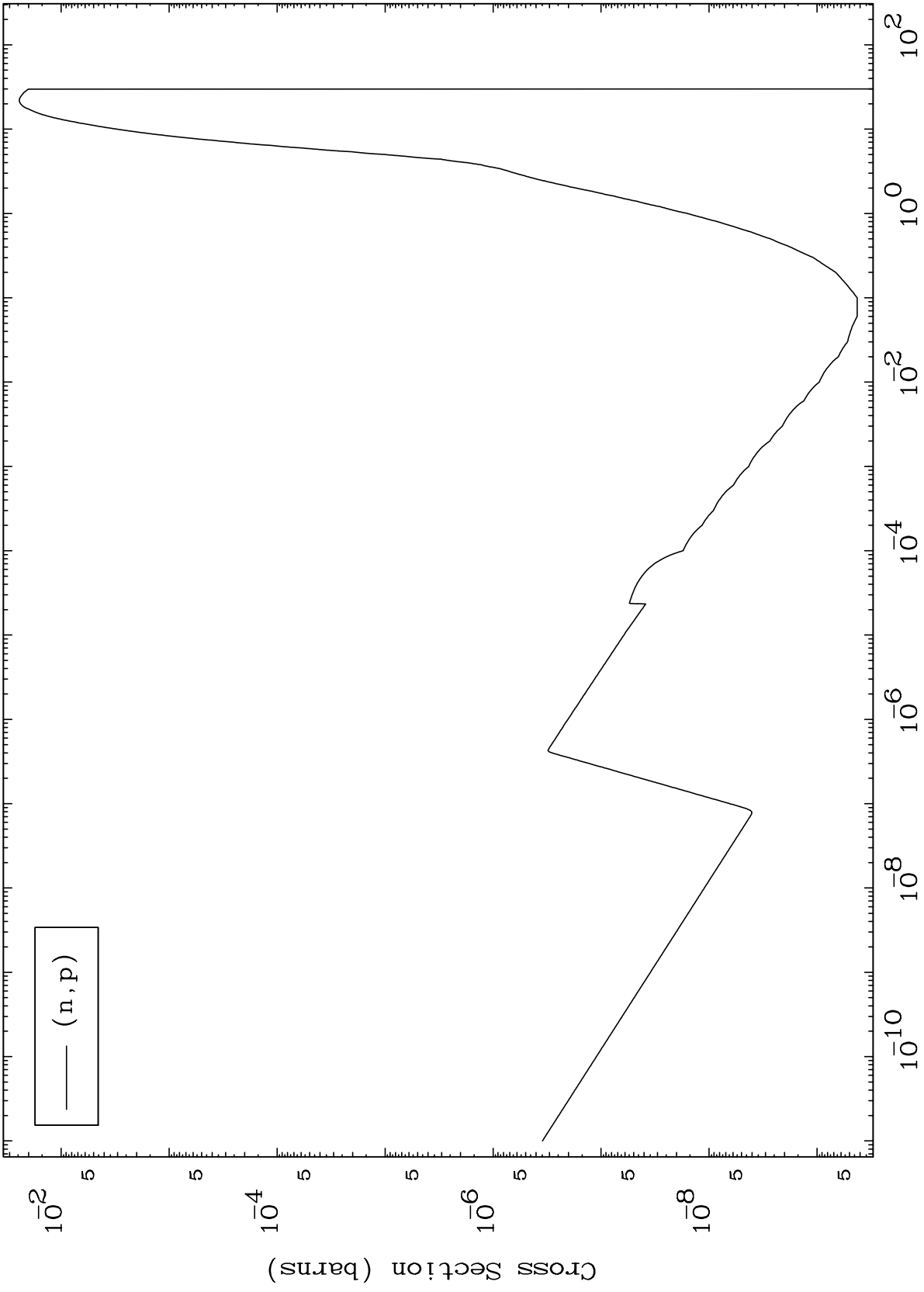
71-Lu-174m



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(n,p) Levels  
293 Kelvin Cross Sections

71-Lu-174m



10

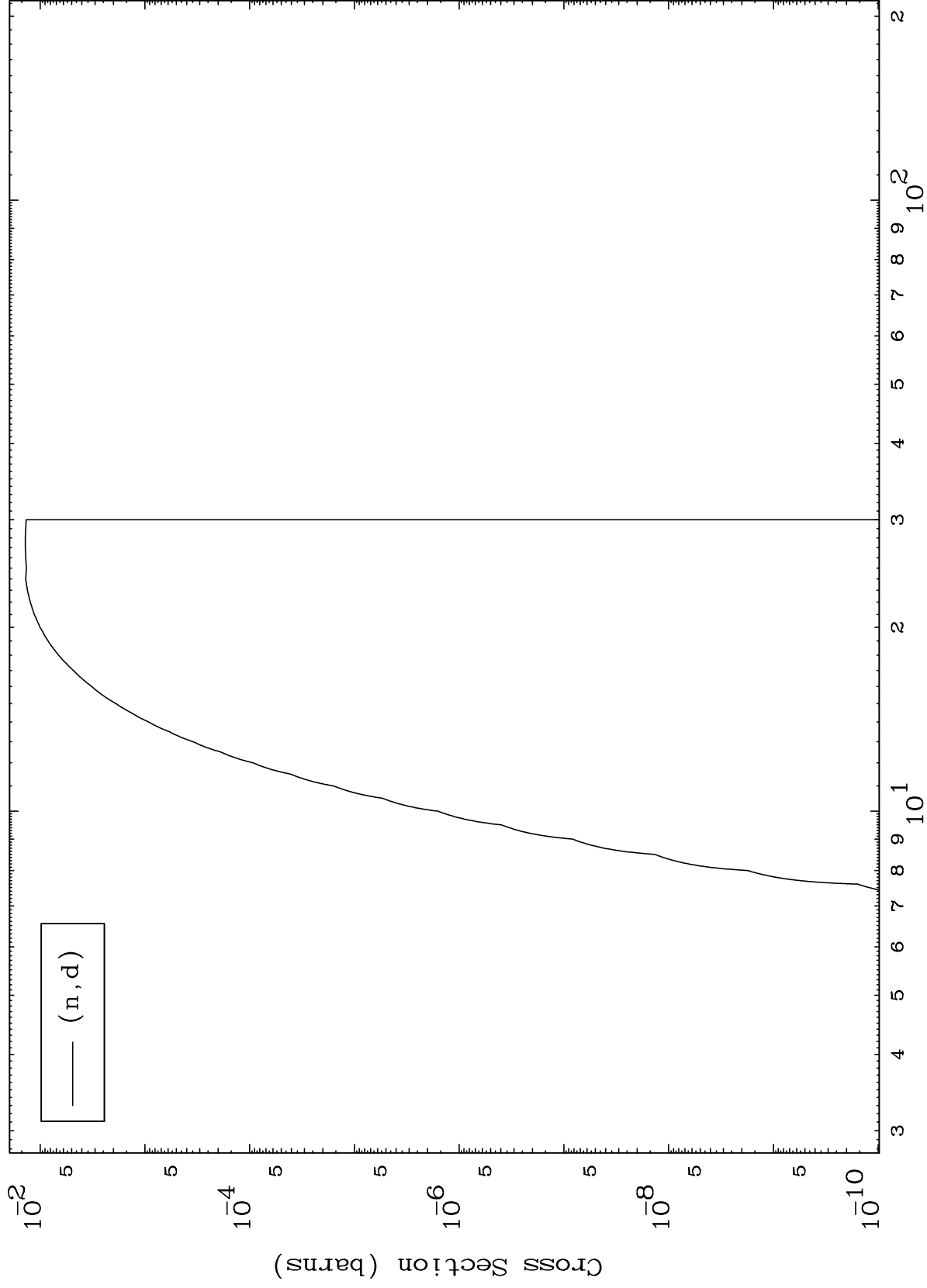
Incident Energy (MeV)

71-Lu-174m

MAT 7123

(n,d) Levels  
293 Kelvin Cross Sections

71-Lu-174m



11

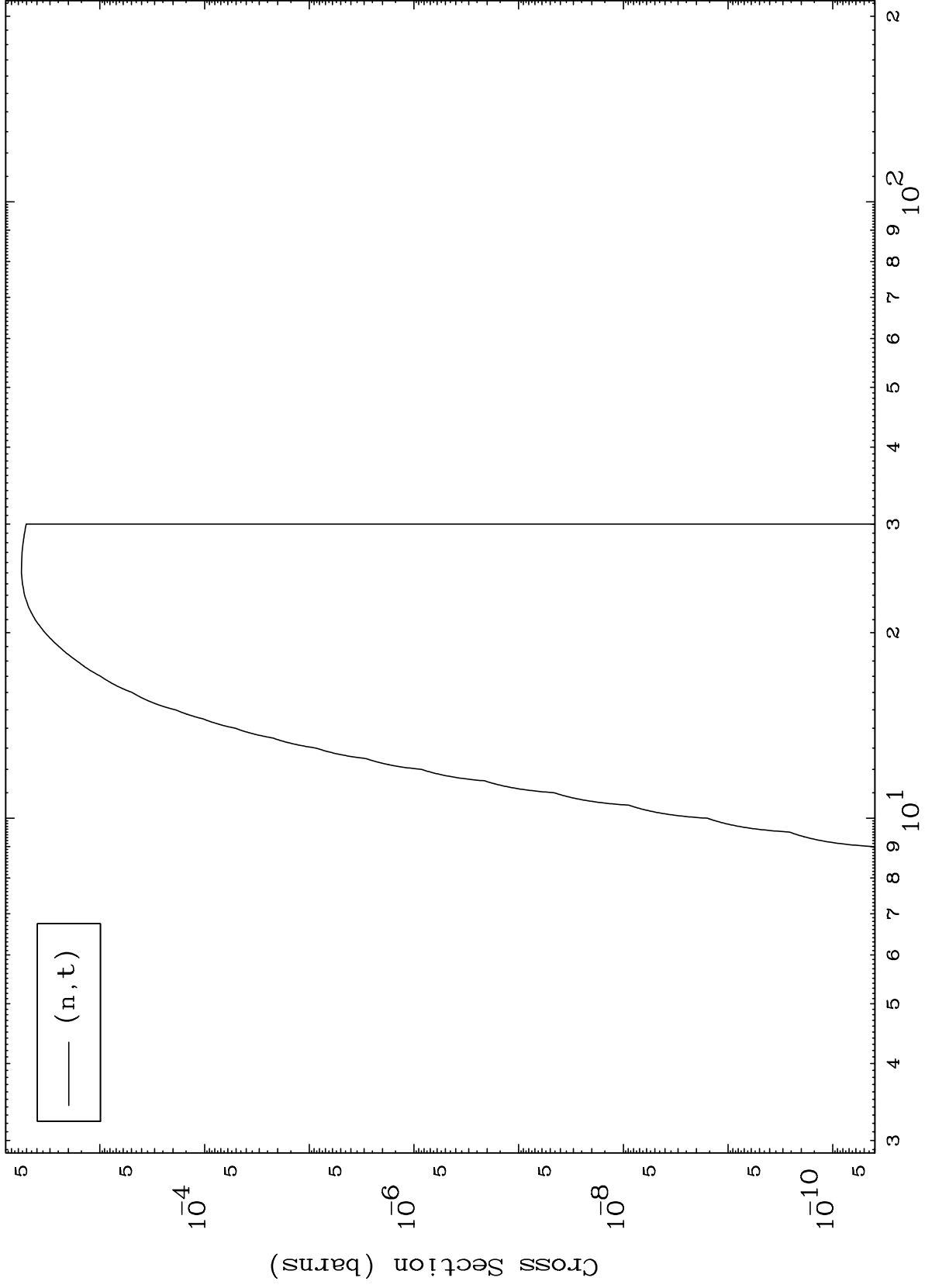
Incident Energy (MeV)

71-Lu-174m

MAT 7123

(n, t) Levels  
293 Kelvin Cross Sections

71-Lu-174m



12

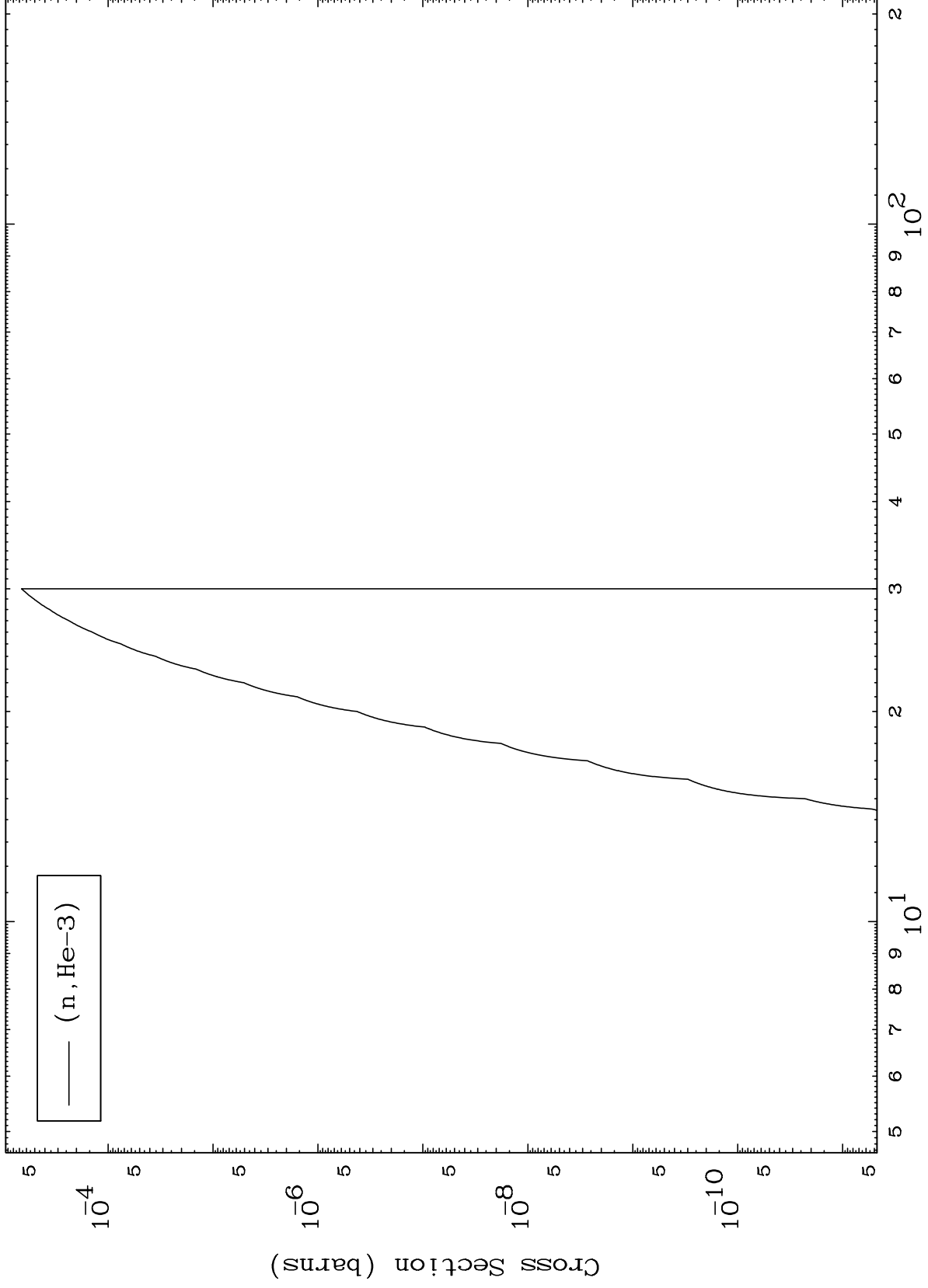
Incident Energy (MeV)

71-Lu-174m

MAT 7123

(n,He3) Levels  
293 Kelvin Cross Sections

71-Lu-174m



13

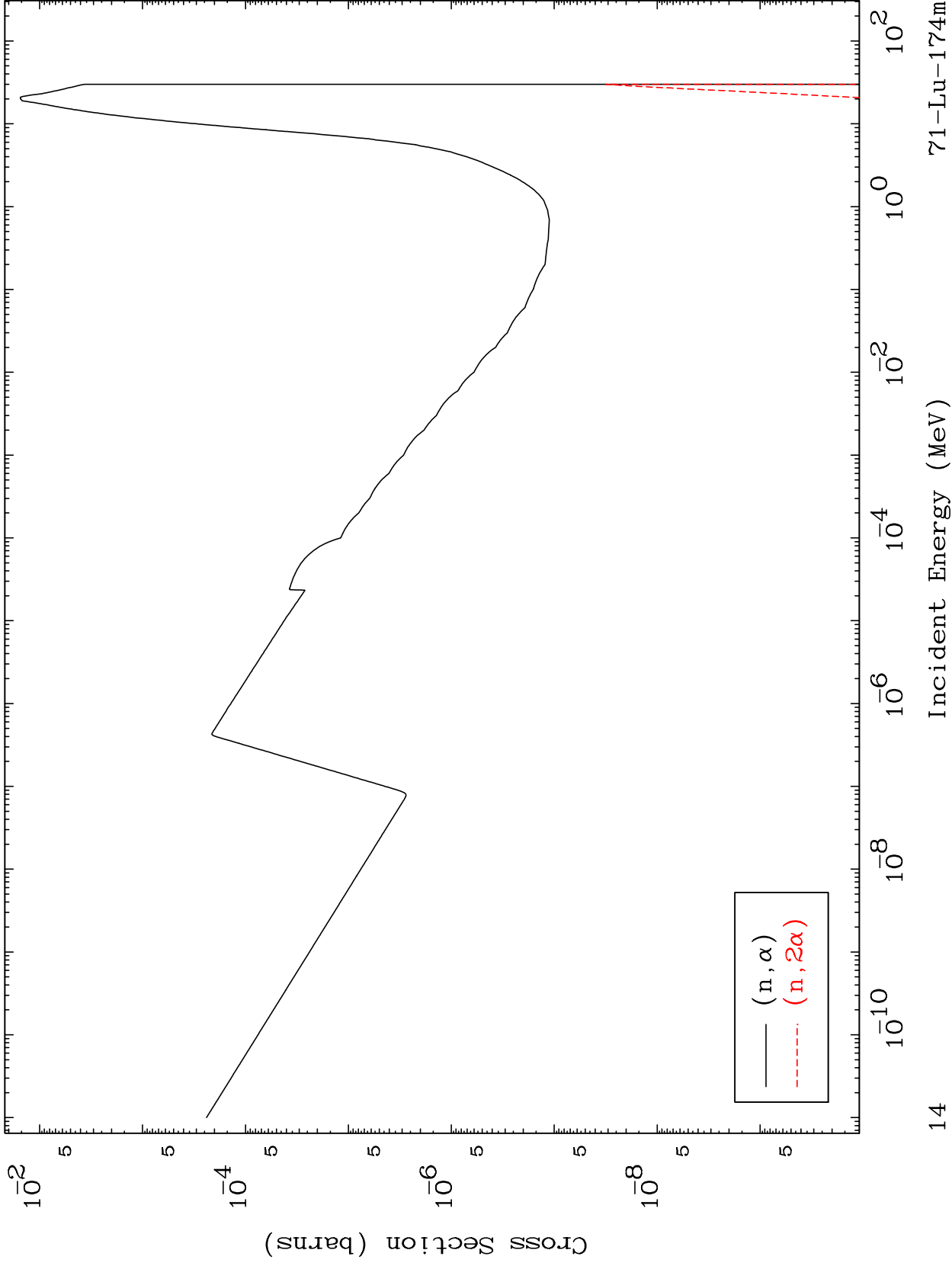
Incident Energy (MeV)

71-Lu-174m

MAT 7123

(n,α) Levels  
293 Kelvin Cross Sections

71-Lu-174m



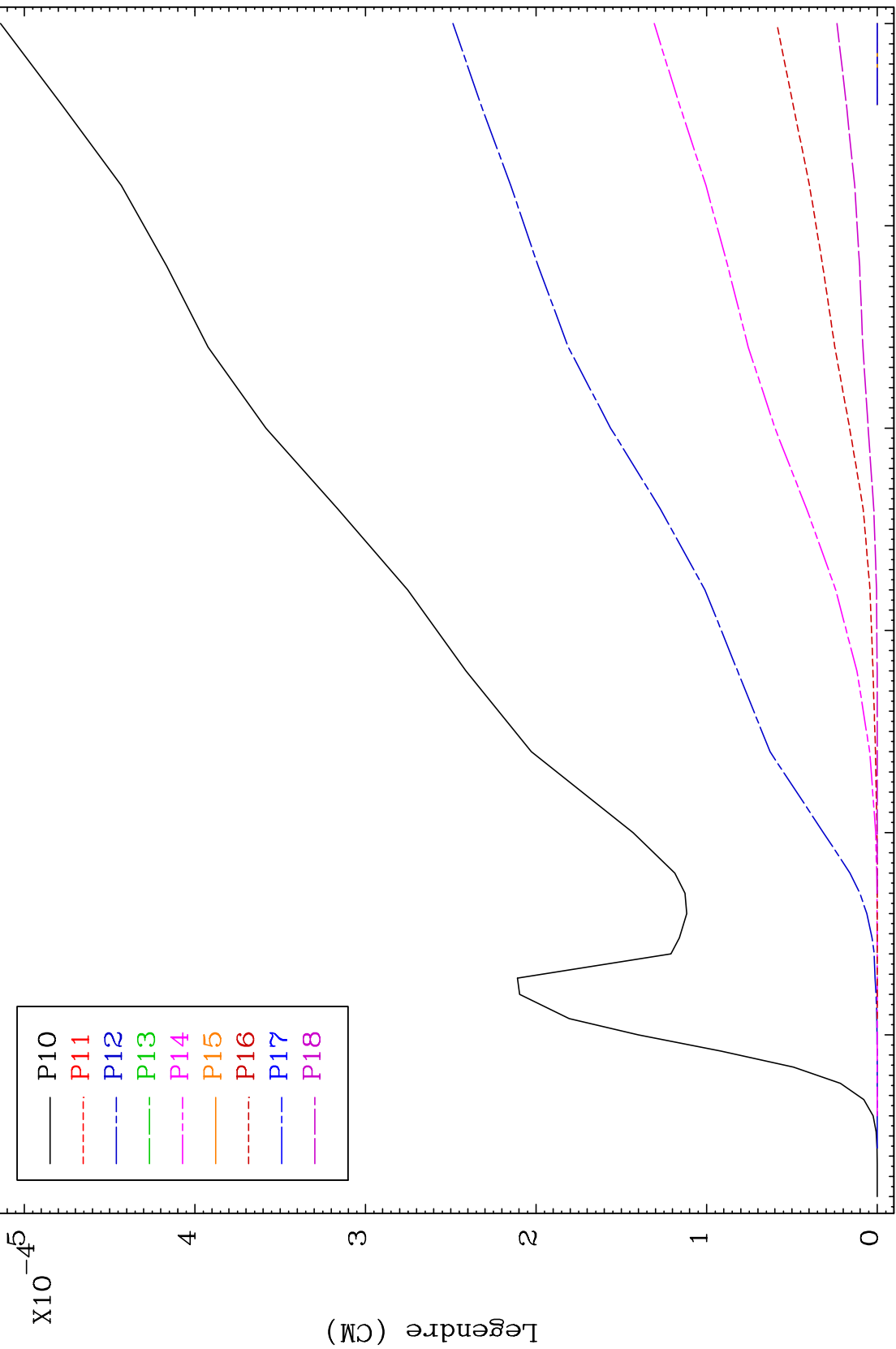




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Elastic Legendre Coefficients

71-Lu-174m



16

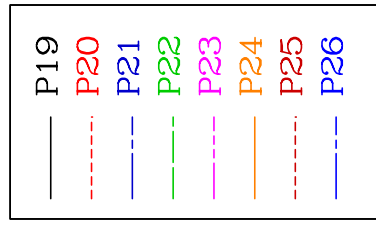
Incident Energy (MeV)

71-Lu-174m

MAT 7123

Elastic  
Legendre Coefficients

71-Lu-174m



$\times 10^{-68}$

Legendre (CM)



17

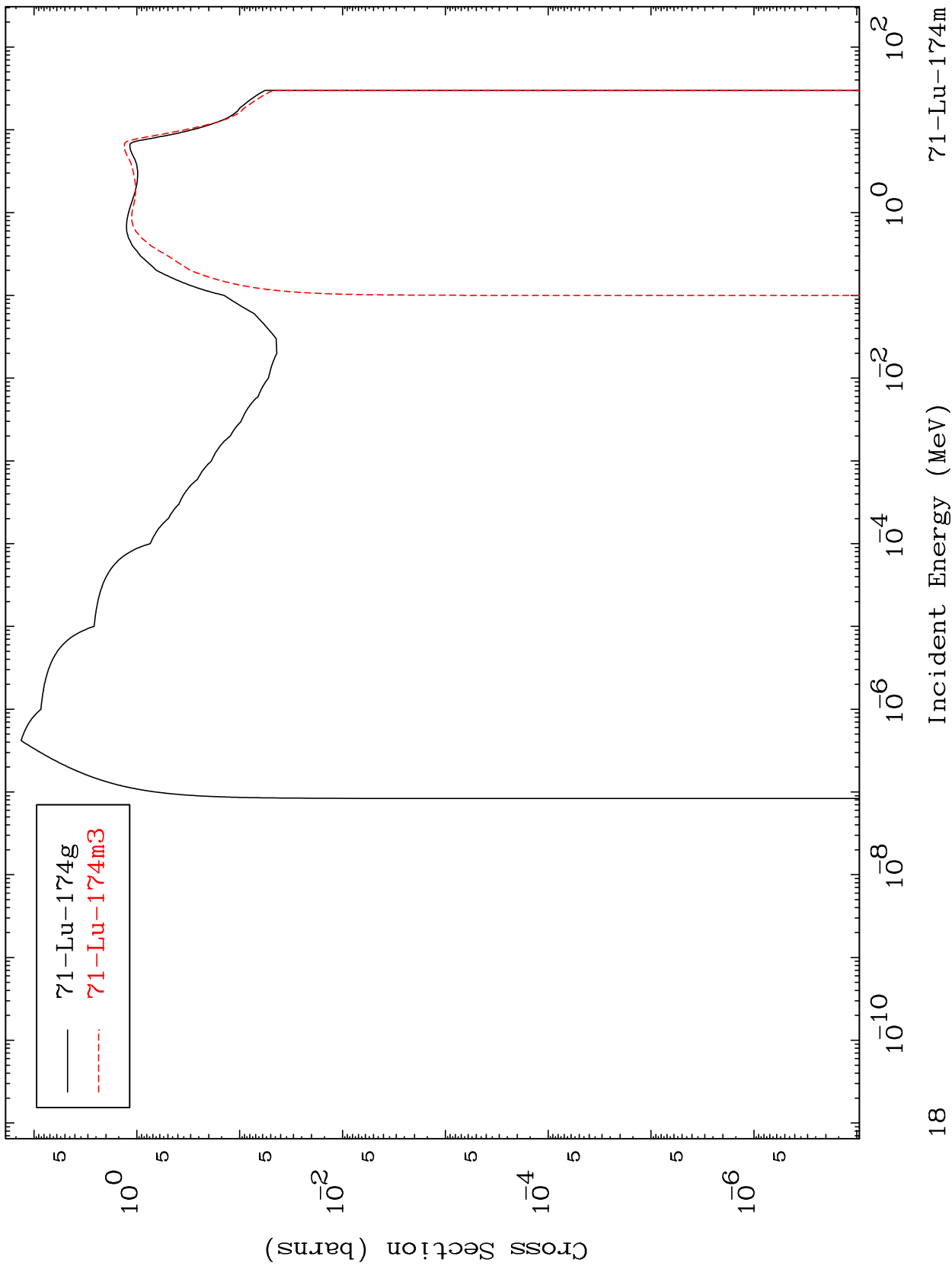
Incident Energy (MeV)

71-Lu-174m

MAT 7123

<sup>71</sup>Lu-174m

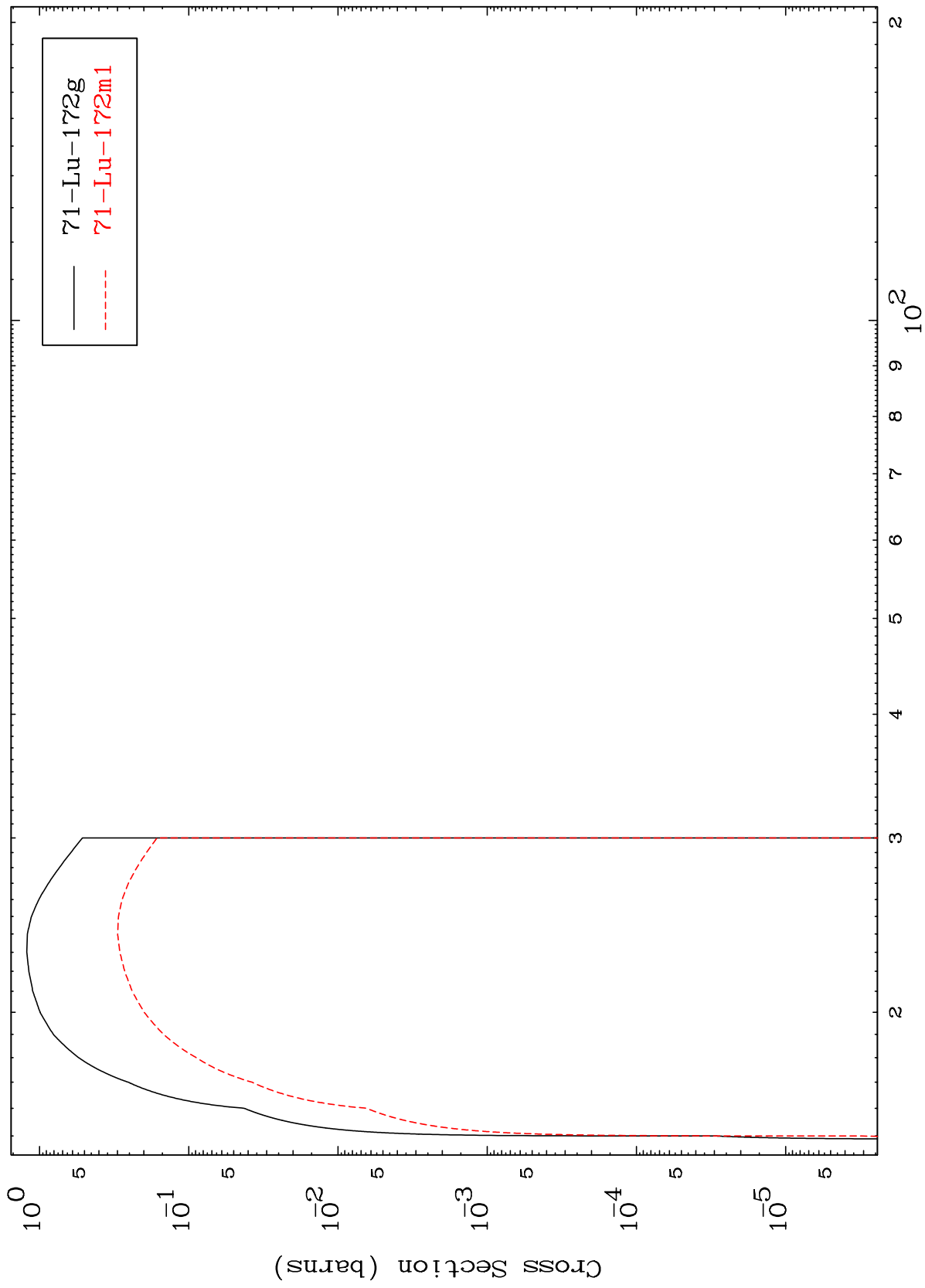
### Radionuclide Production Cross Section



MAT 7123

<sup>71</sup>Lu-174m

(n,3n)  
Radionuclide Production Cross Section



<sup>71</sup>Lu-174m

Incident Energy (MeV)

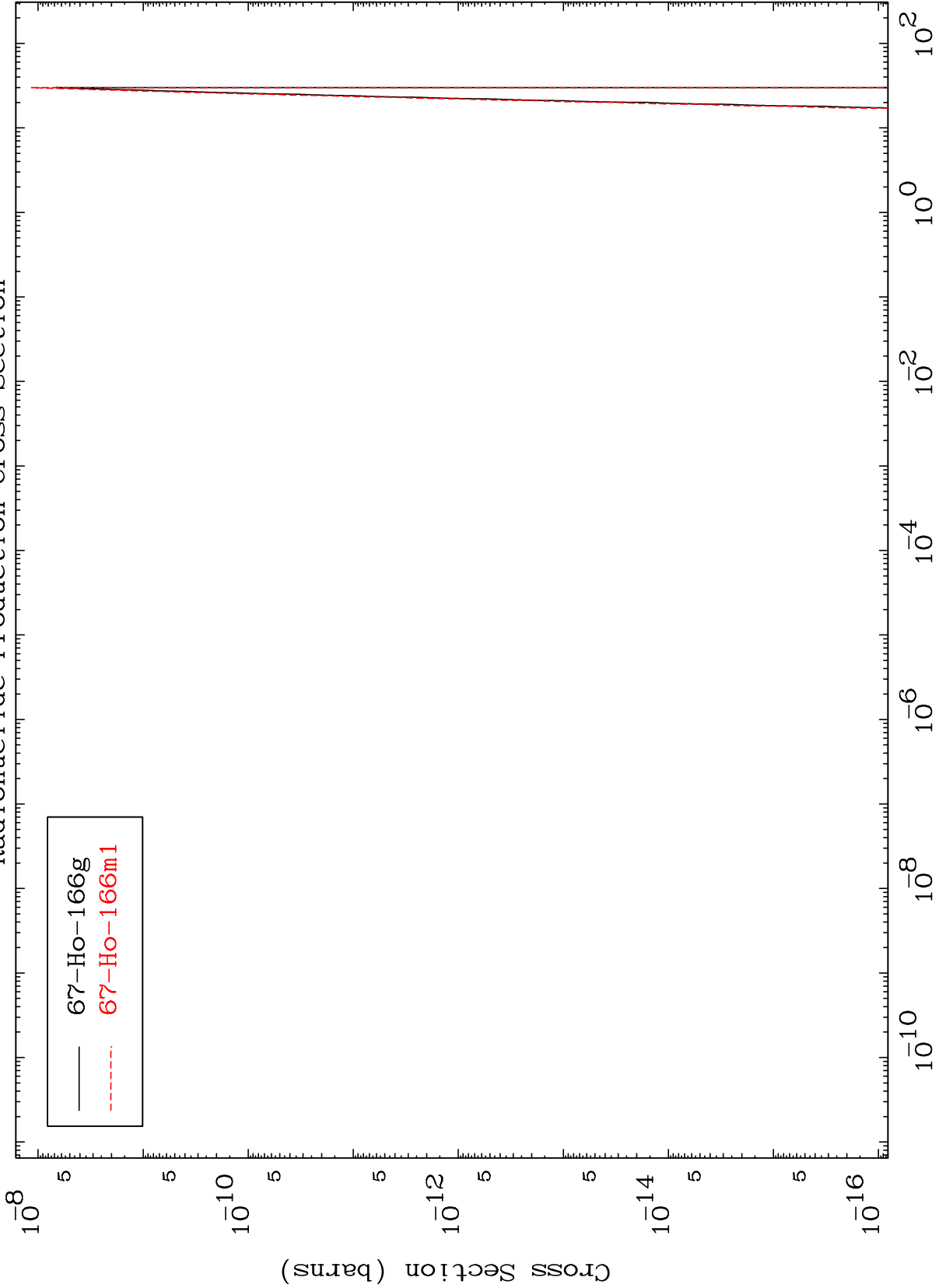
19

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(n,n') 2α

71-Lu-174m

Radionuclide Production Cross Section

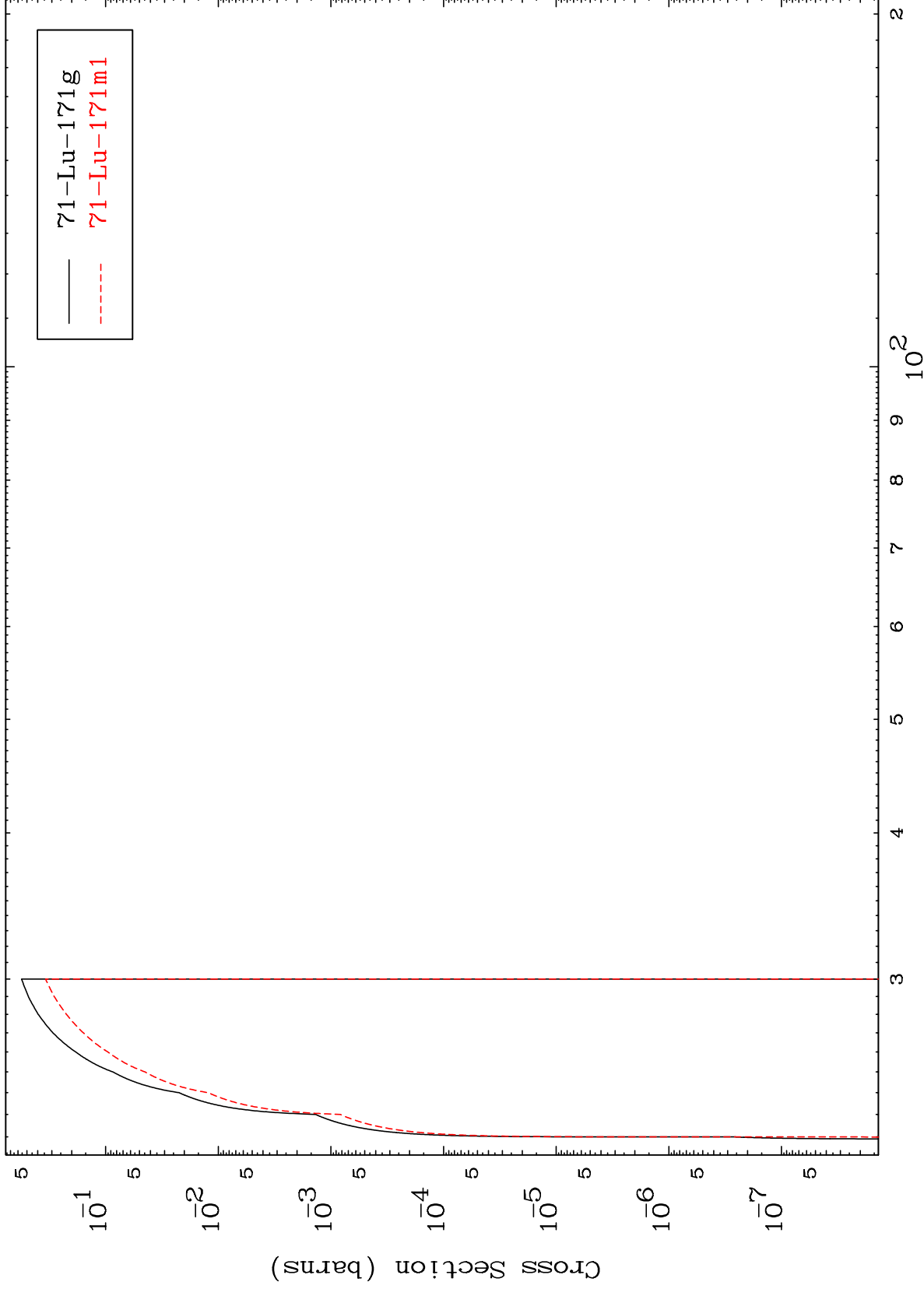


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(n,4n)

71-Lu-174m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

71-Lu-174m