

Program EVALPLOT  
(Version 2018-1)

by

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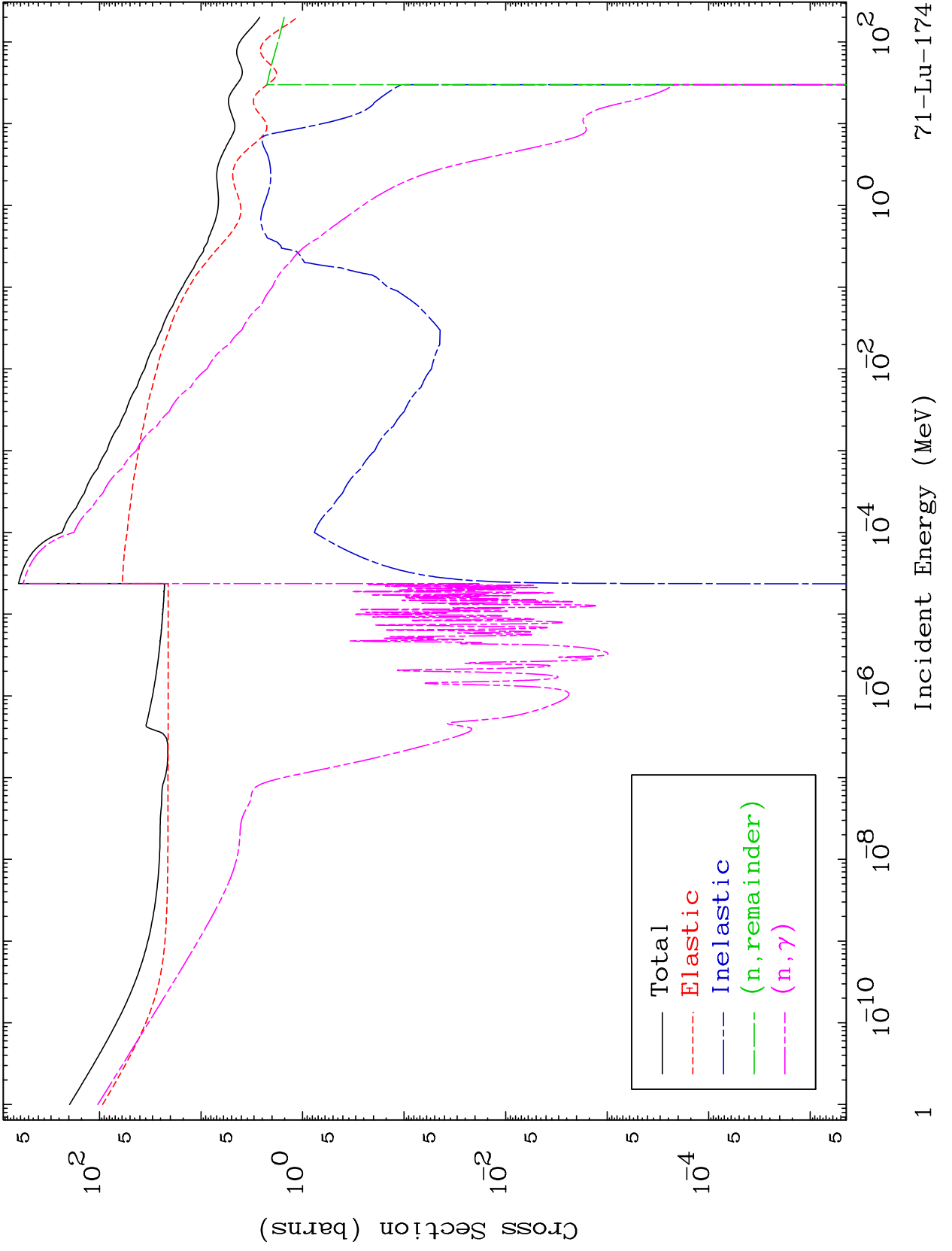
Press Mouse Button to Start

MAT 7123

Major

71-Lu-174

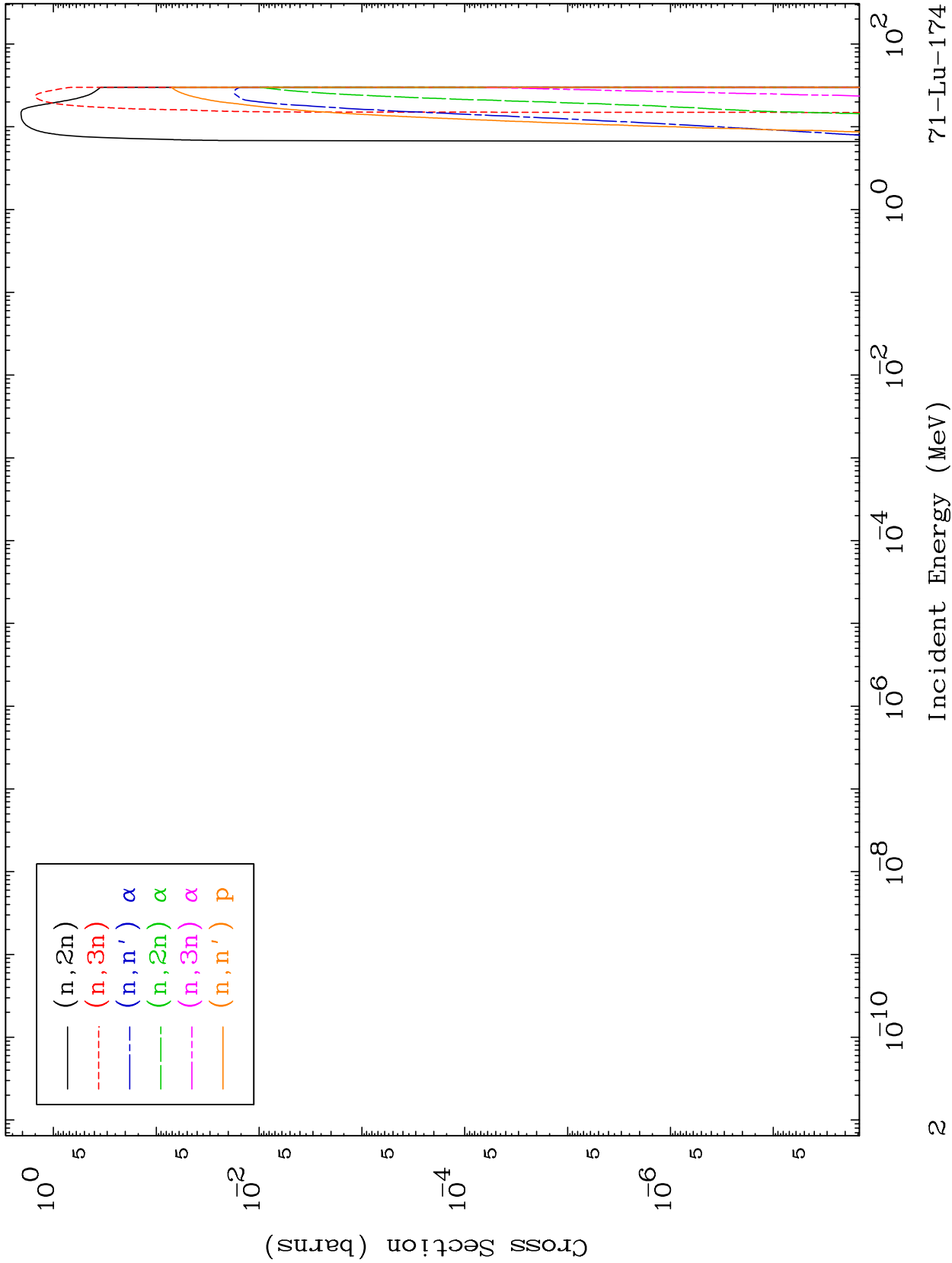
293 Kelvin Cross Sections



MAT 7123

Neutron Production  
293 Kelvin Cross Sections

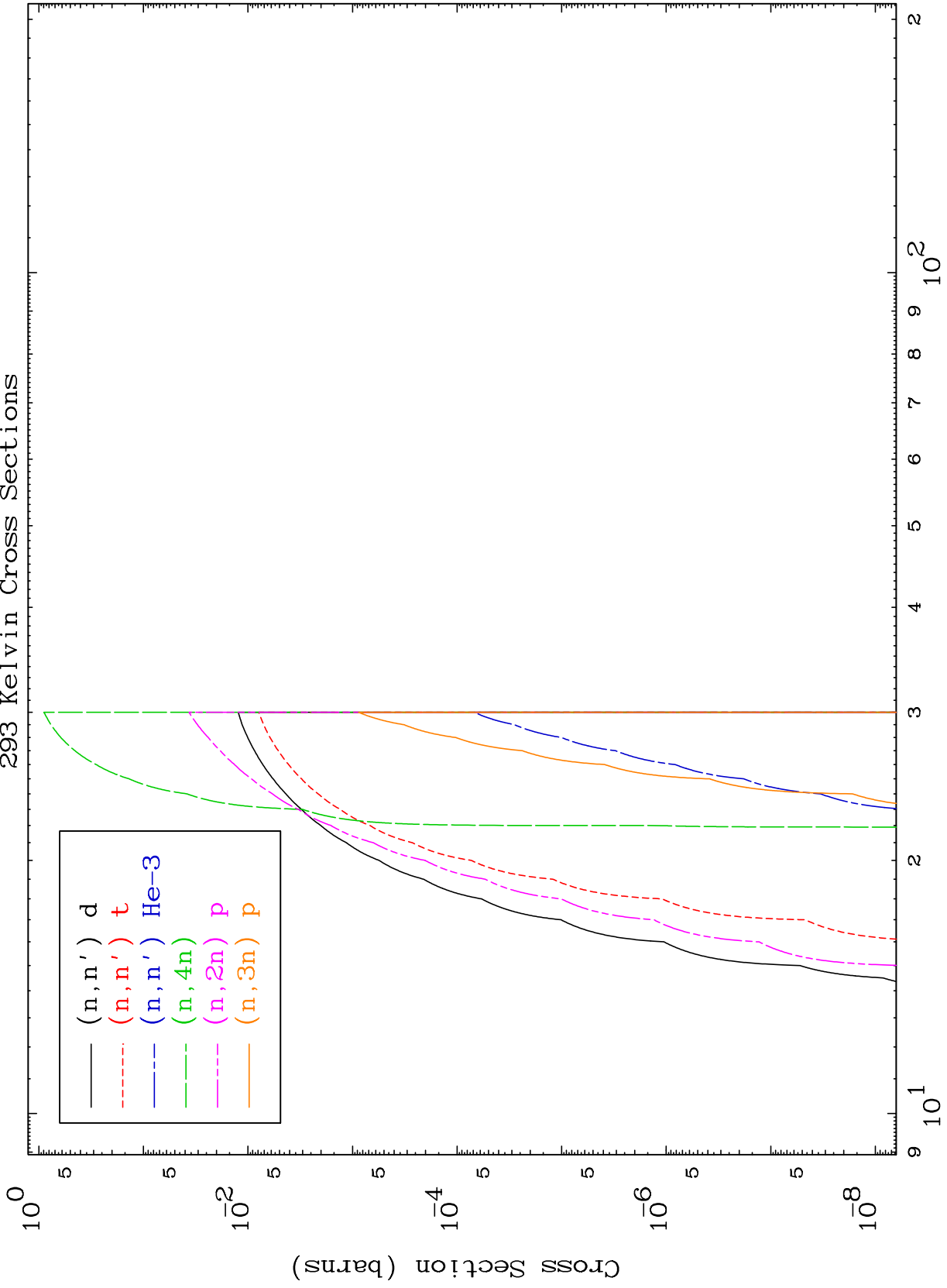
71-Lu-174



MAT 7123

Neutron Production  
293 Kelvin Cross Sections

71-Lu-174



Incident Energy (MeV)

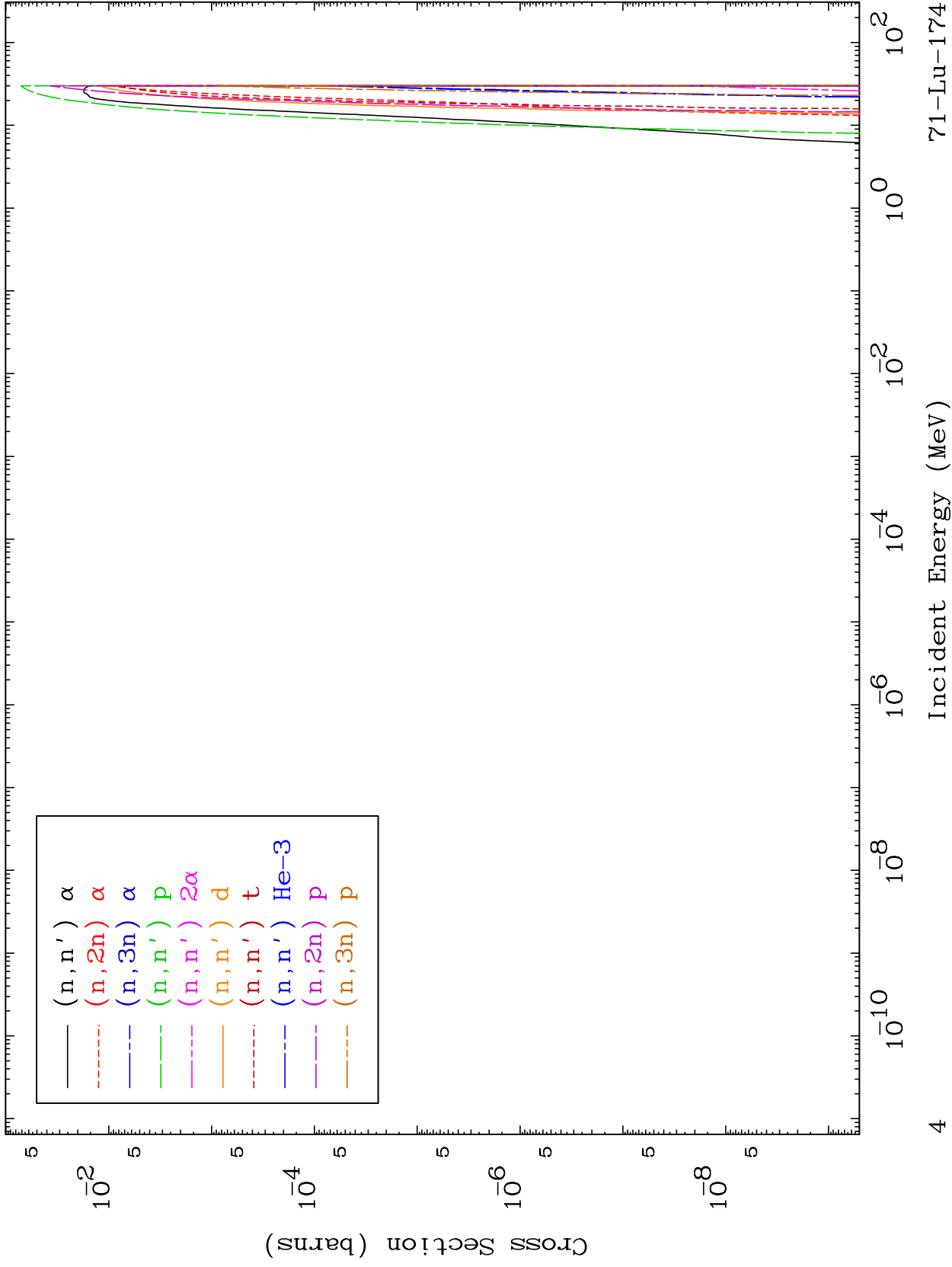
71-Lu-174

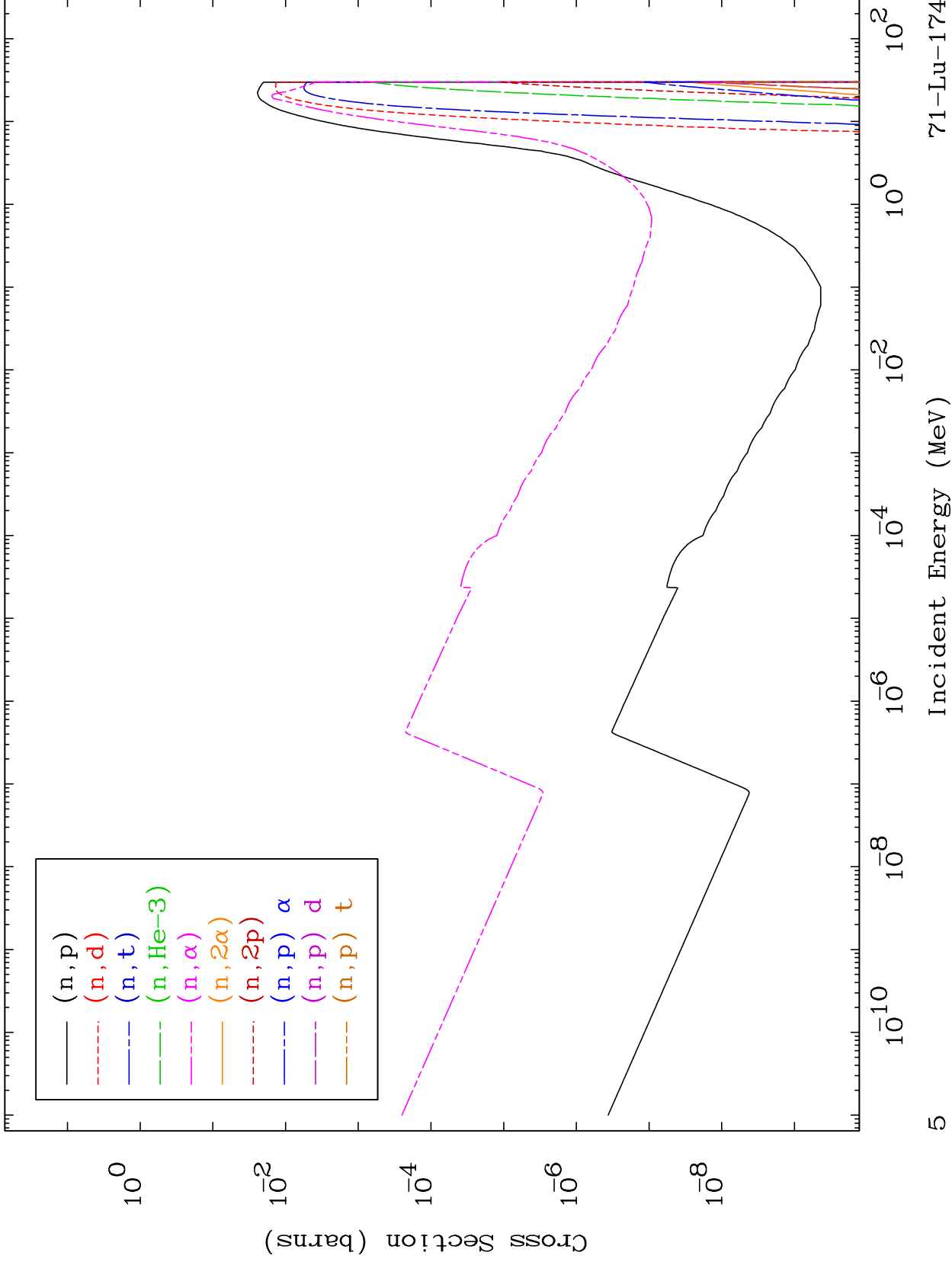
3

MAT 7123

Charged Particle  
293 Kelvin Cross Sections

71-Lu-174

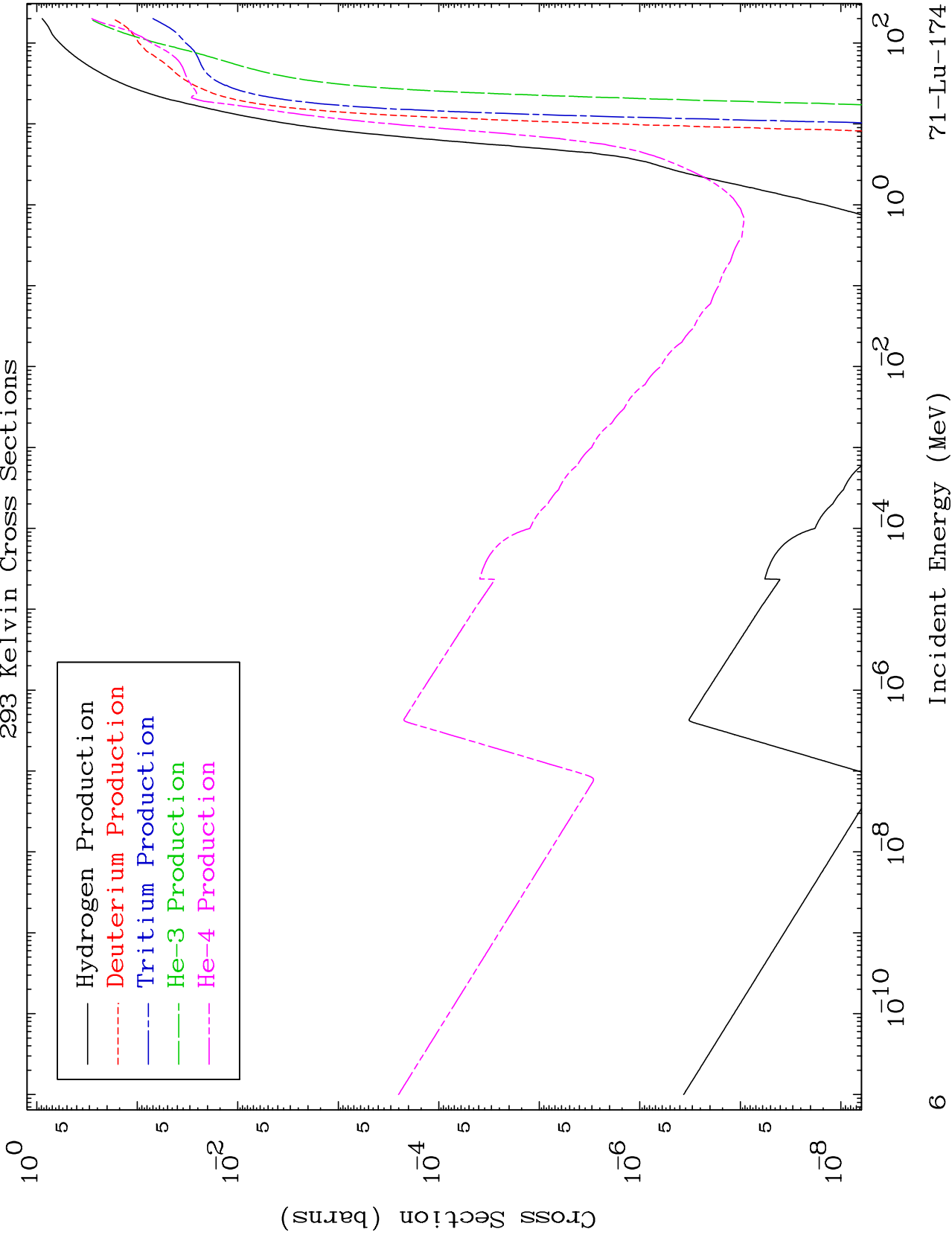




MAT 7123

Particle Production  
293 Kelvin Cross Sections

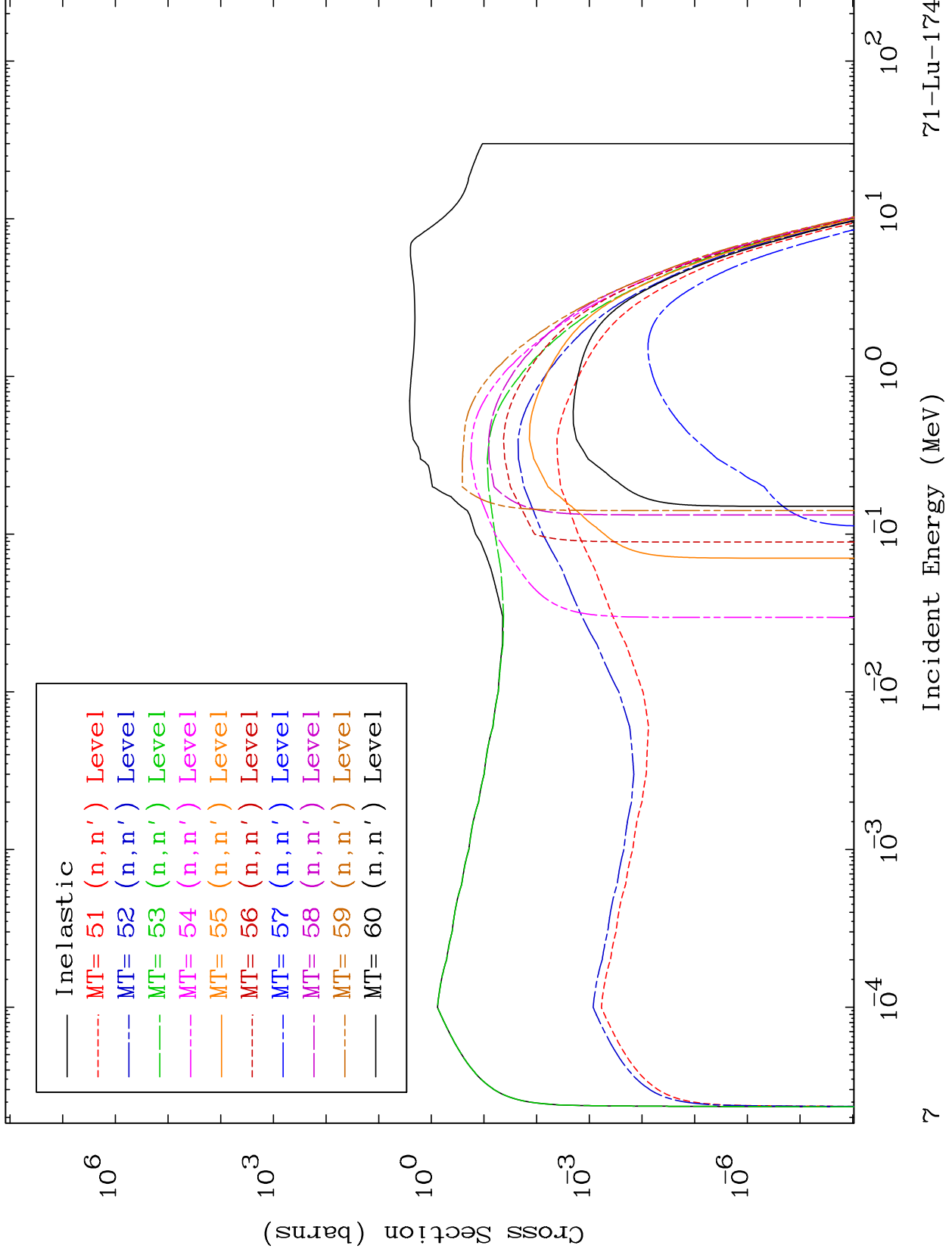
71-Lu-174



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(n,n') Level  
293 Kelvin Cross Sections

71-Lu-174



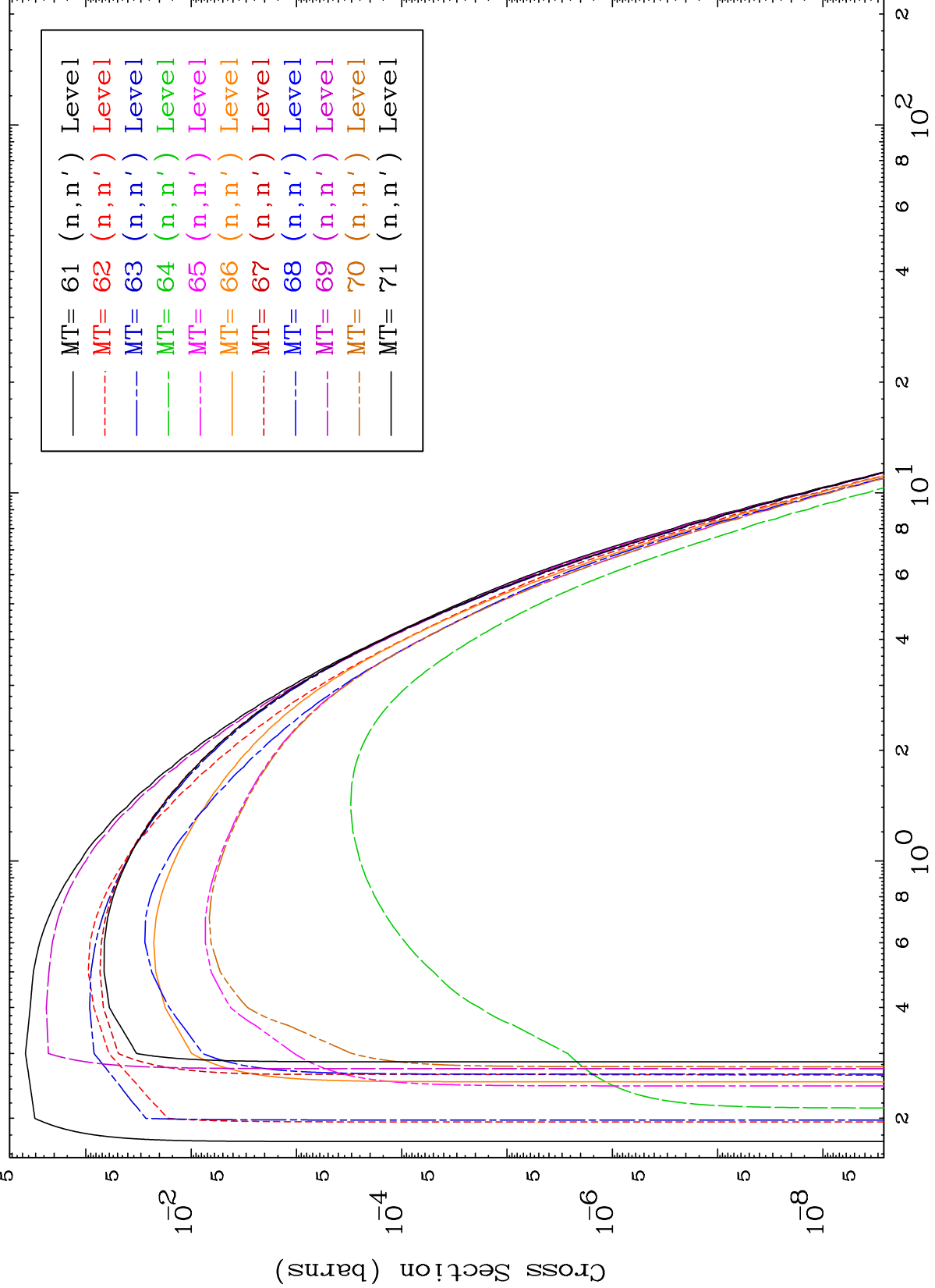


MAT 7123

(n,n') Level

71-Lu-174

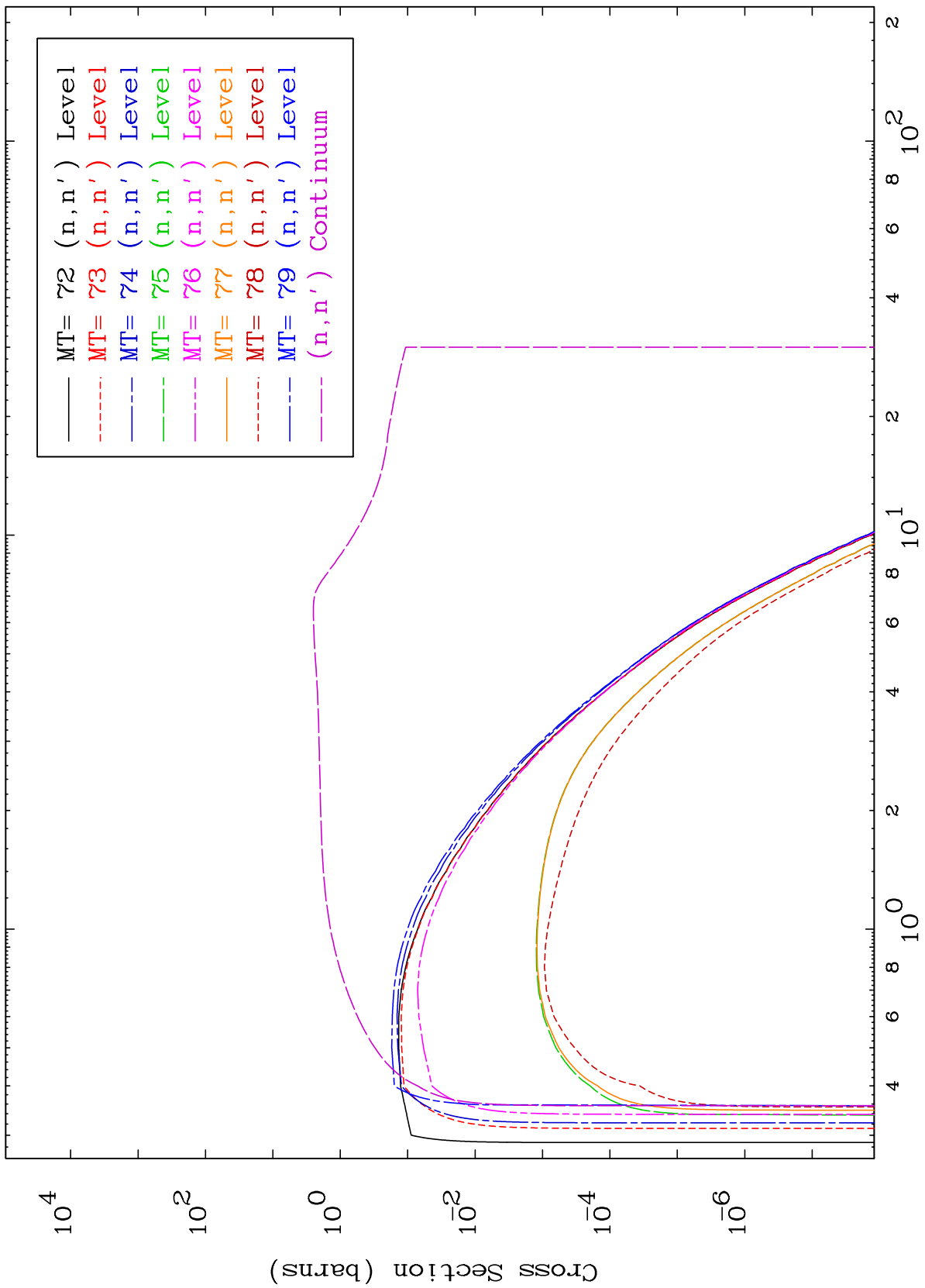
293 Kelvin Cross Sections



Incident Energy (MeV)

71-Lu-174

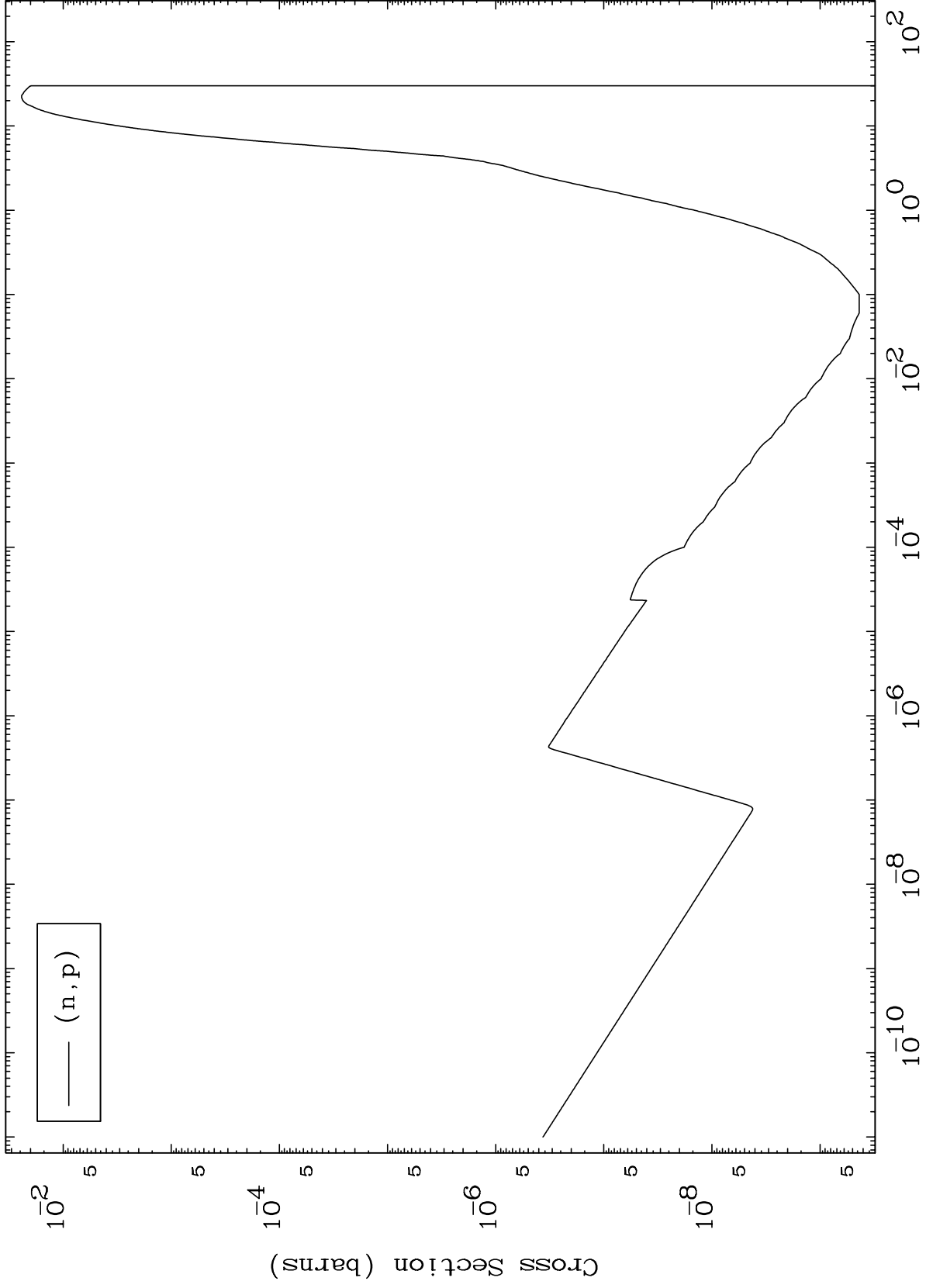
8



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(n,p) Levels  
293 Kelvin Cross Sections

71-Lu-174



71-Lu-174

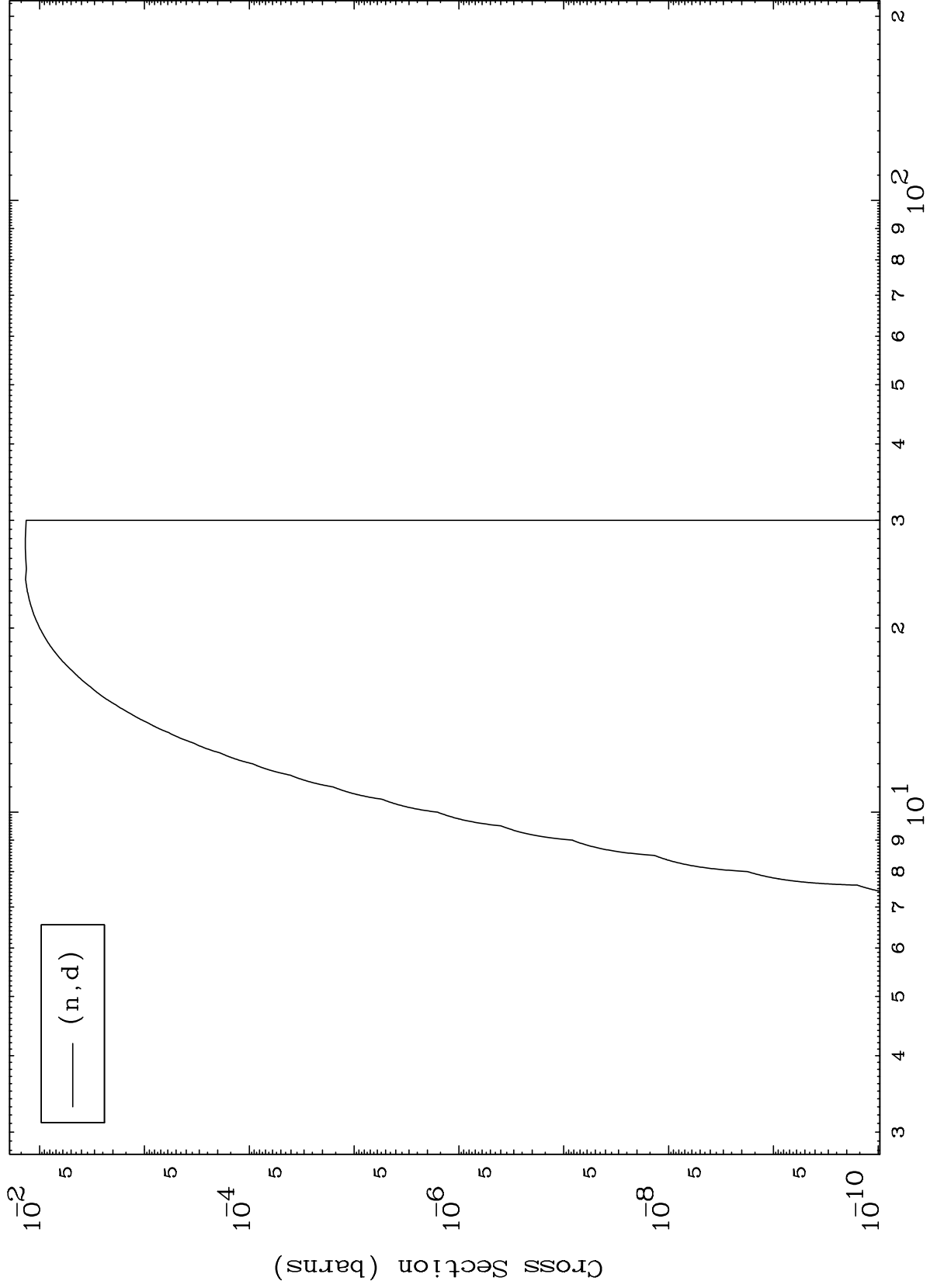
Incident Energy (MeV)

10

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(n,d) Levels  
293 Kelvin Cross Sections

71-Lu-174



11

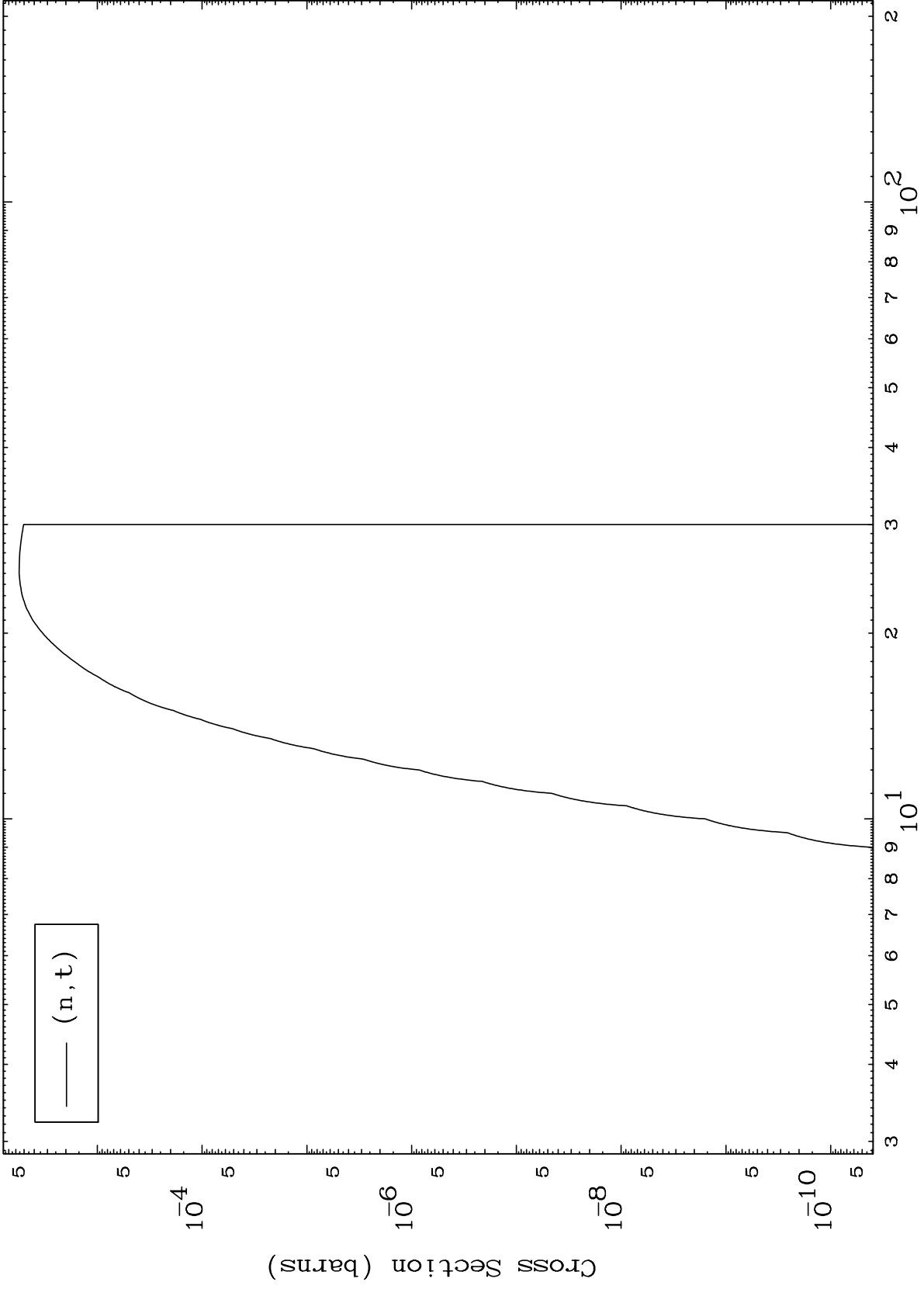
Incident Energy (MeV)

71-Lu-174

MAT 7123

(n,t) Levels  
293 Kelvin Cross Sections

71-Lu-174



12

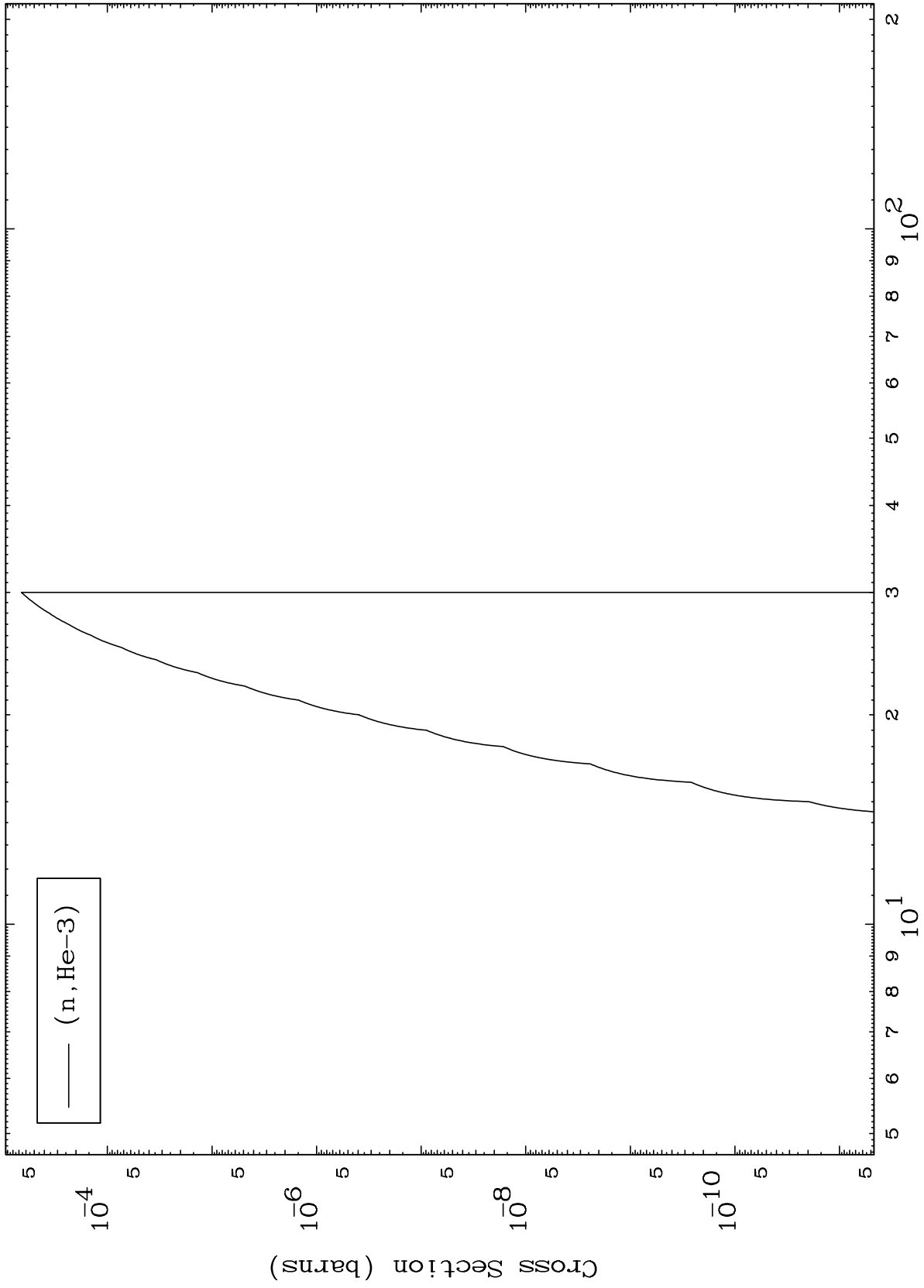
Incident Energy (MeV)

71-Lu-174

MAT 7123

(n,He3) Levels  
293 Kelvin Cross Sections

71-Lu-174



13

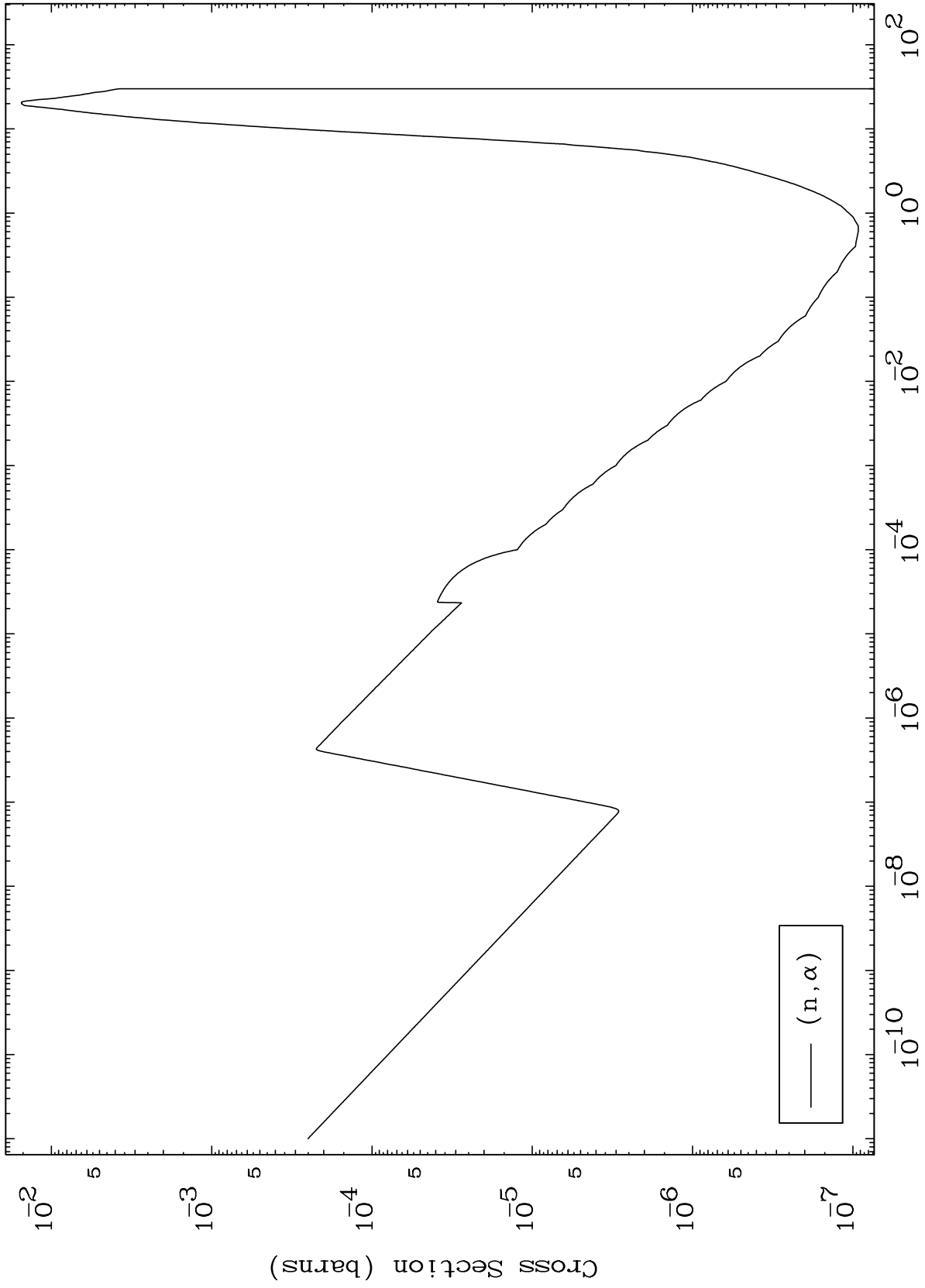
Incident Energy (MeV)

71-Lu-174

MAT 7123

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

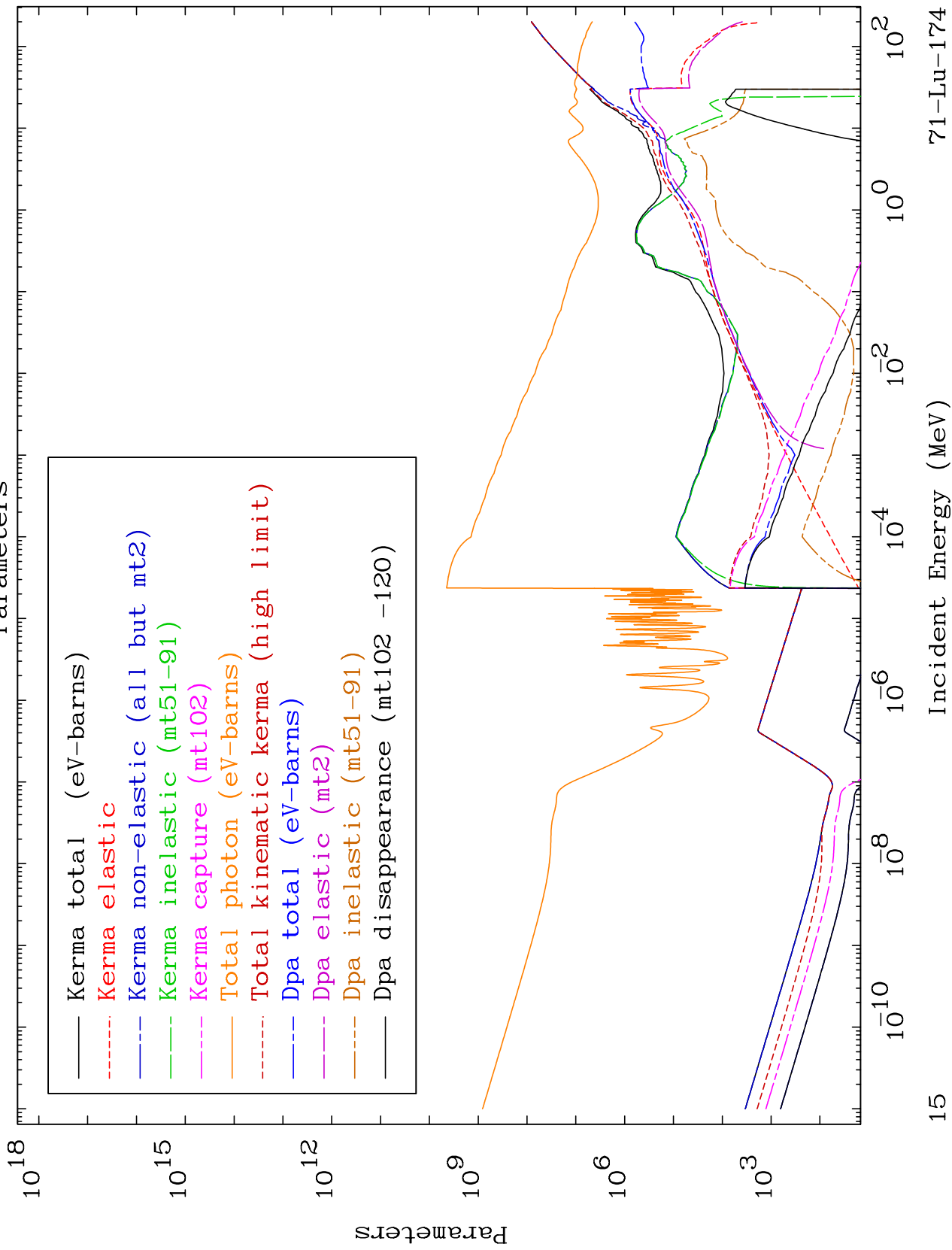
71-Lu-174



14

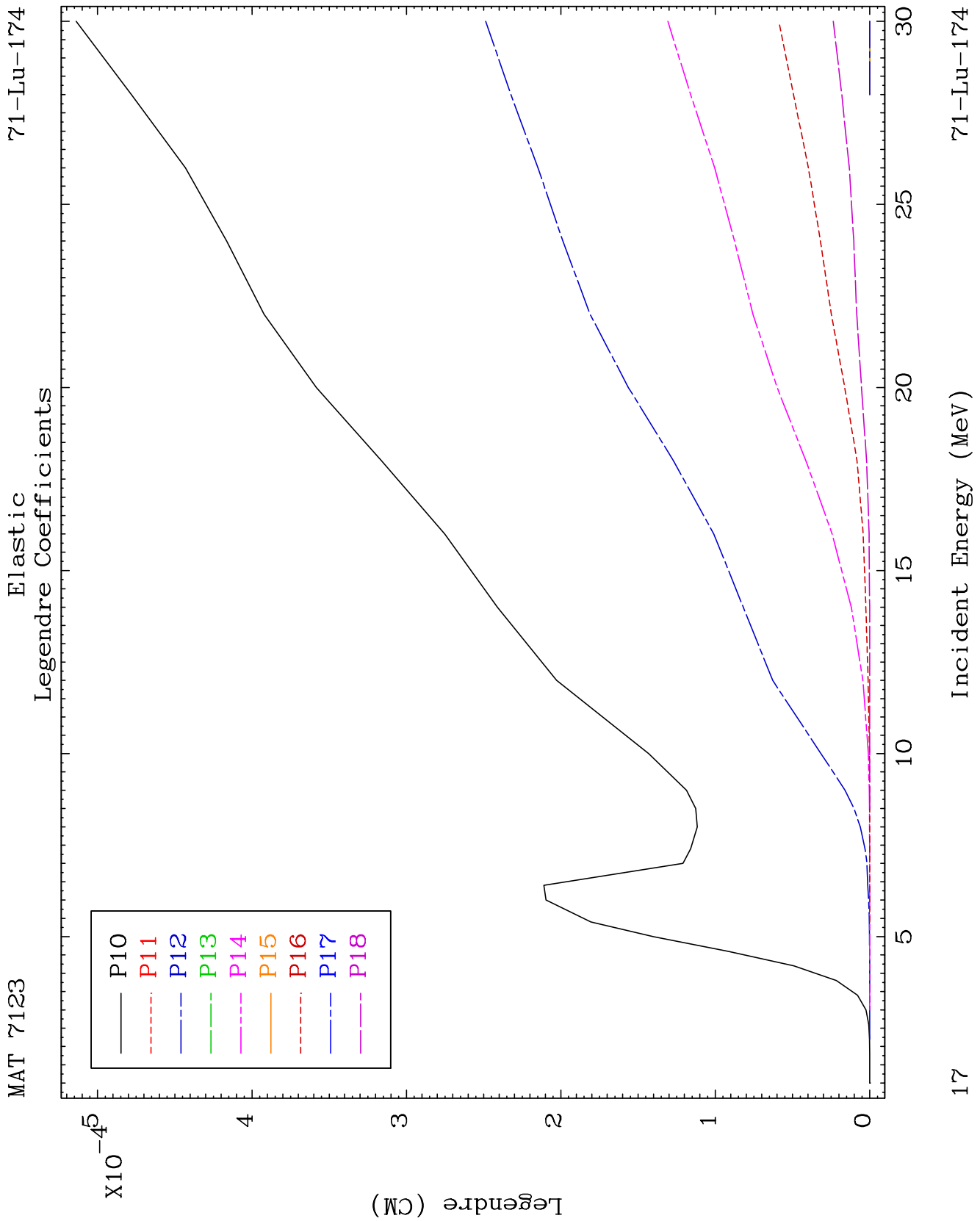
Incident Energy (MeV)

71-Lu-174





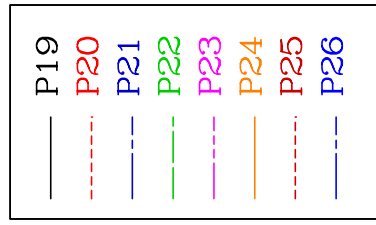




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Elastic  
Legendre Coefficients

71-Lu-174



$\times 10^{-68}$

Legendre (CM)



18

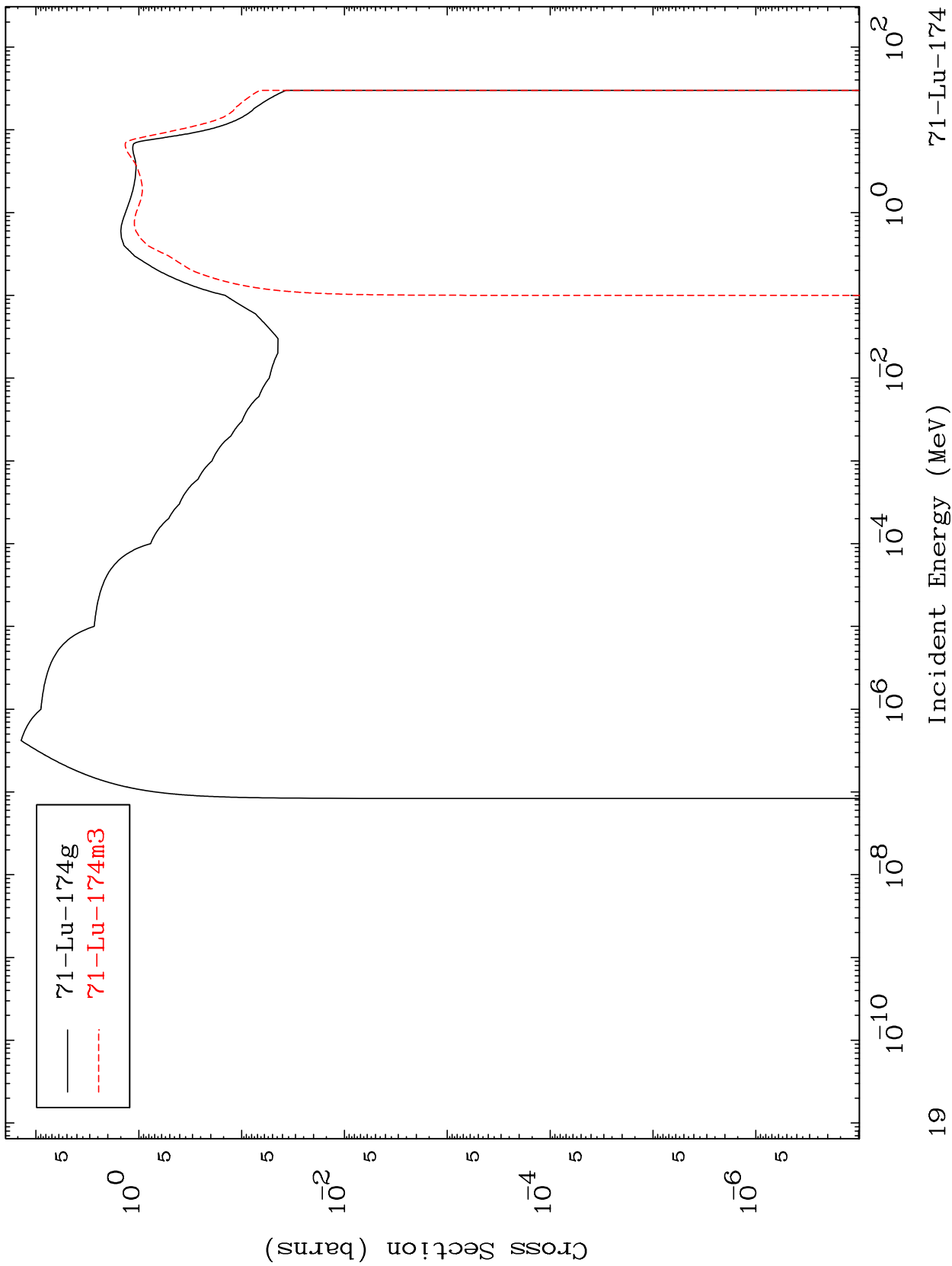
Incident Energy (MeV)

71-Lu-174

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71-Lu-174

Inelastic  
Radionuclide Production Cross Section

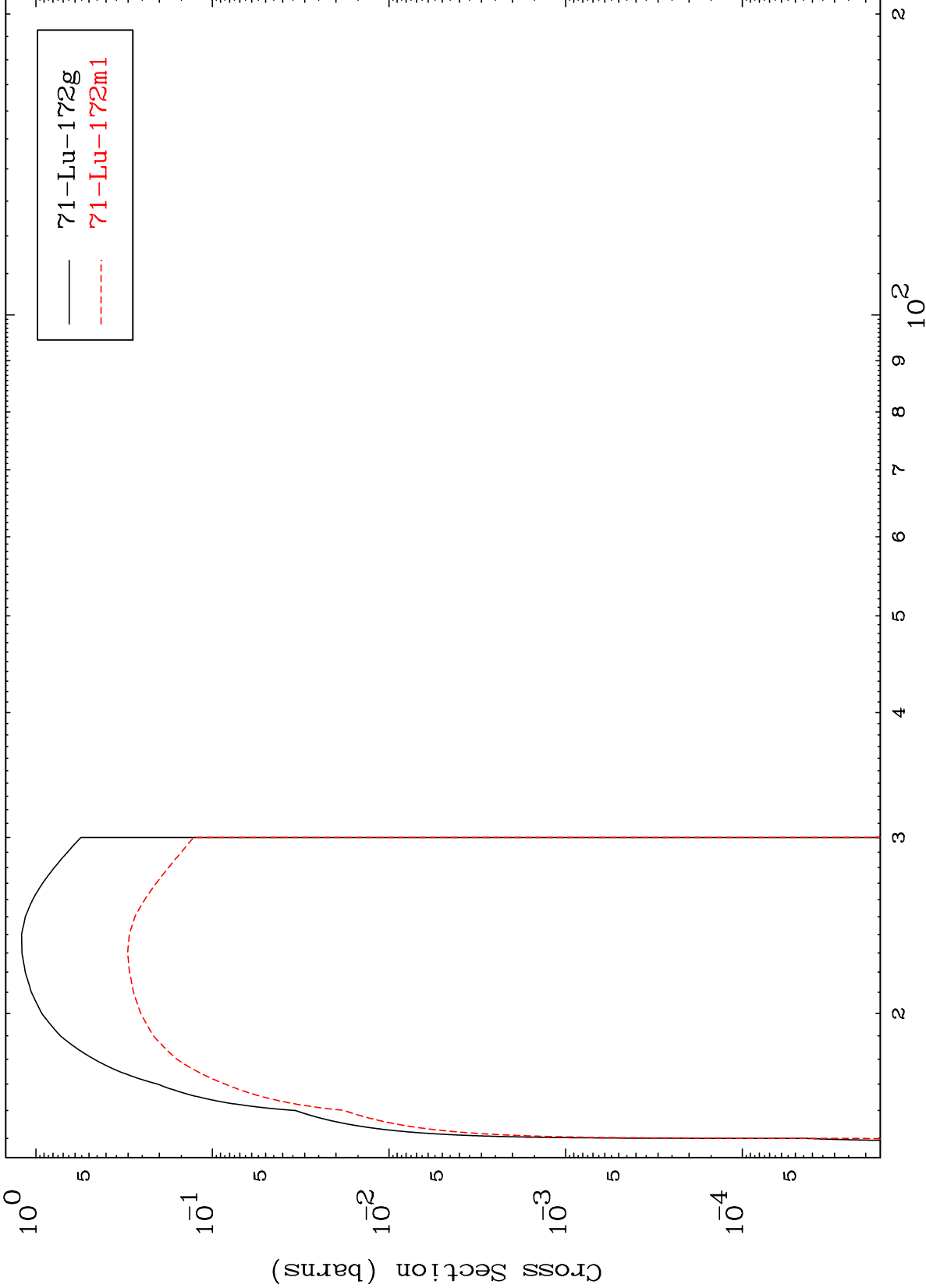


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(n,3n)

71-Lu-174

Radionuclide Production Cross Section



20

Incident Energy (MeV)

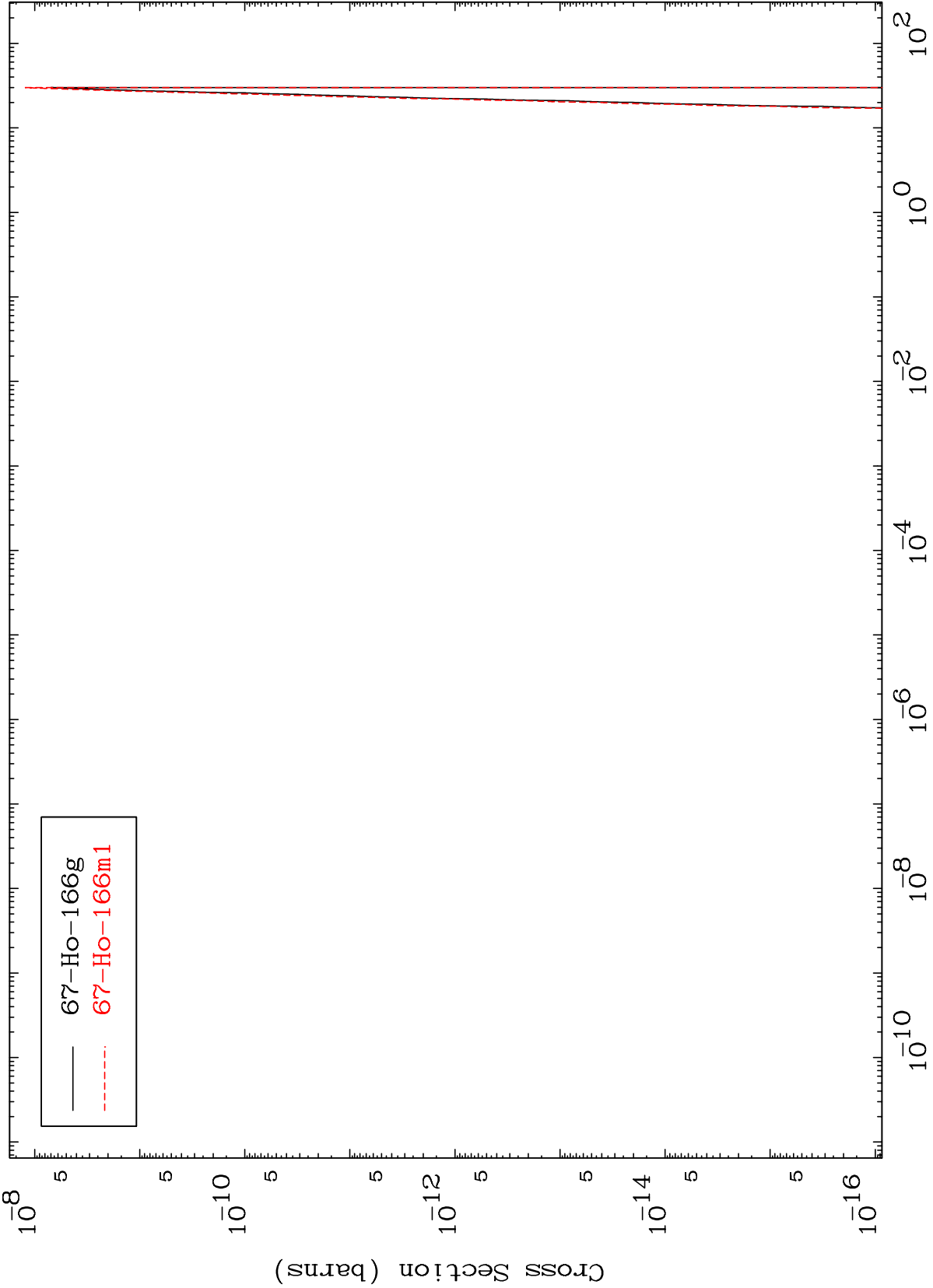
71-Lu-174

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(n,n') 2α

71-Lu-174

Radionuclide Production Cross Section



67-Ho-166g  
67-Ho-166m1

Incident Energy (MeV)

71-Lu-174

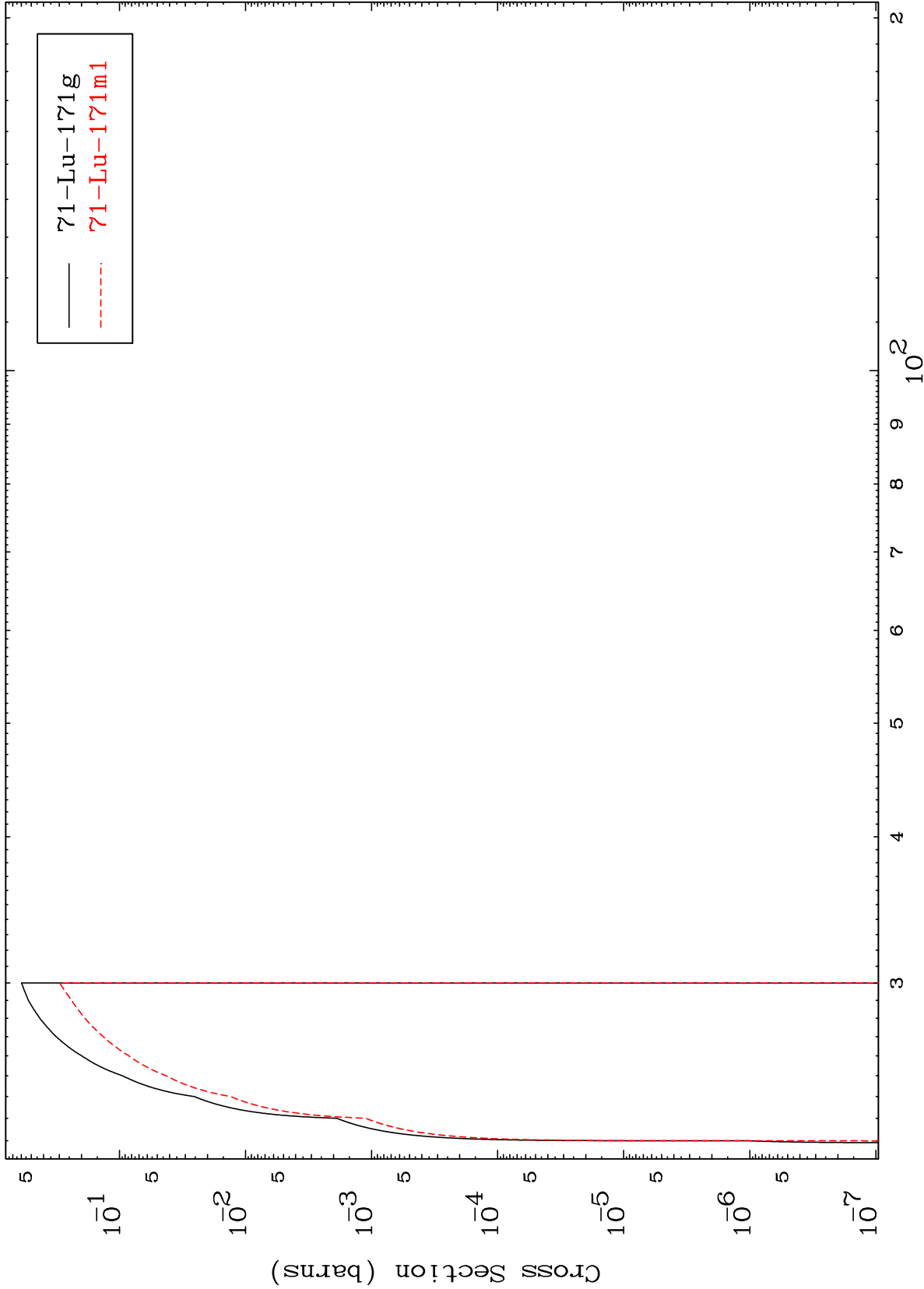
21

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(n,4n)

<sup>71</sup>Lu-174

Radionuclide Production Cross Section



22

Incident Energy (MeV)

<sup>71</sup>Lu-174