

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

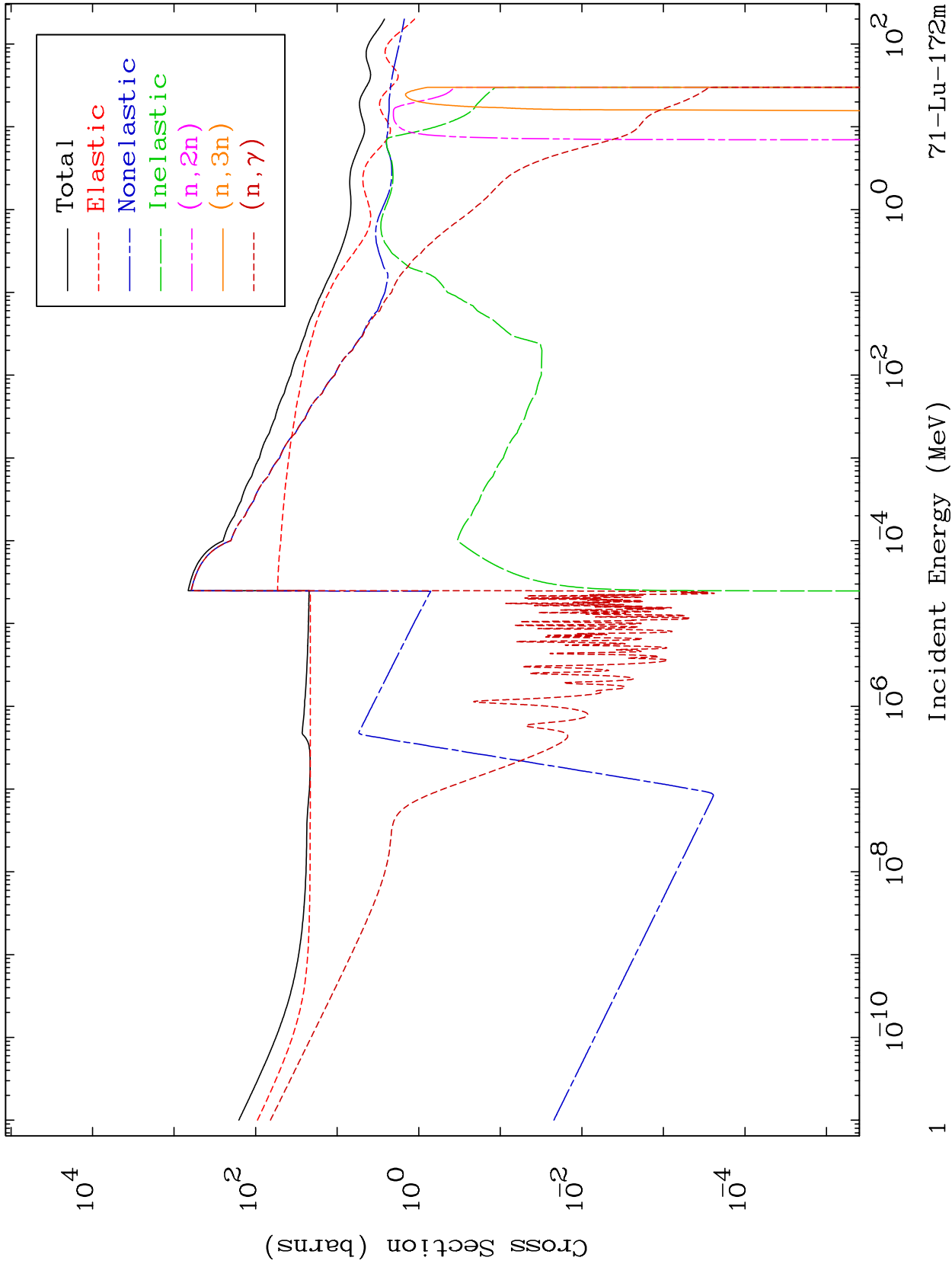
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7117

Neutron Major  
293 Kelvin Cross Sections

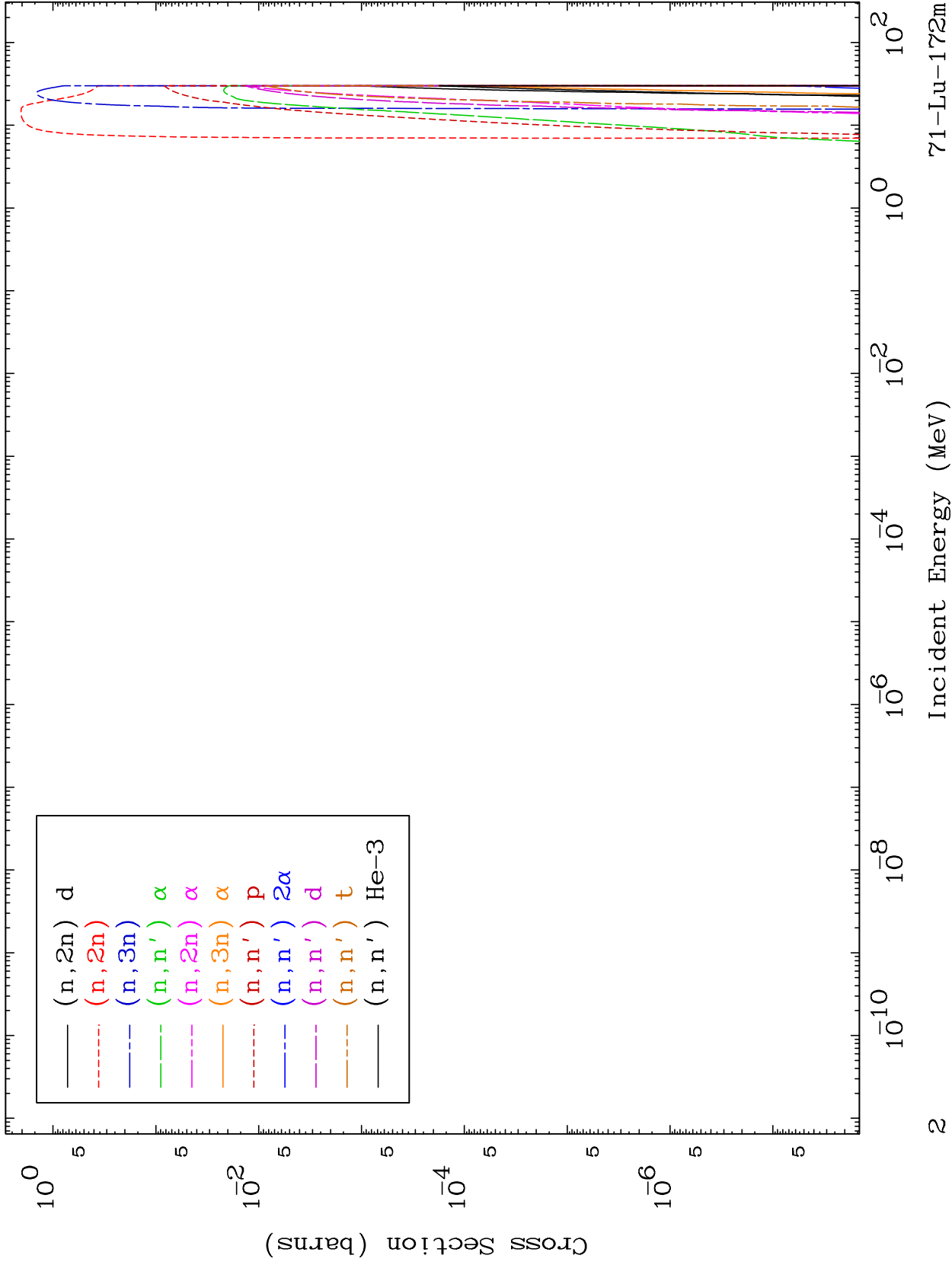
71-Lu-172m



MAT 7117

Neutron Absorption  
293 Kelvin Cross Sections

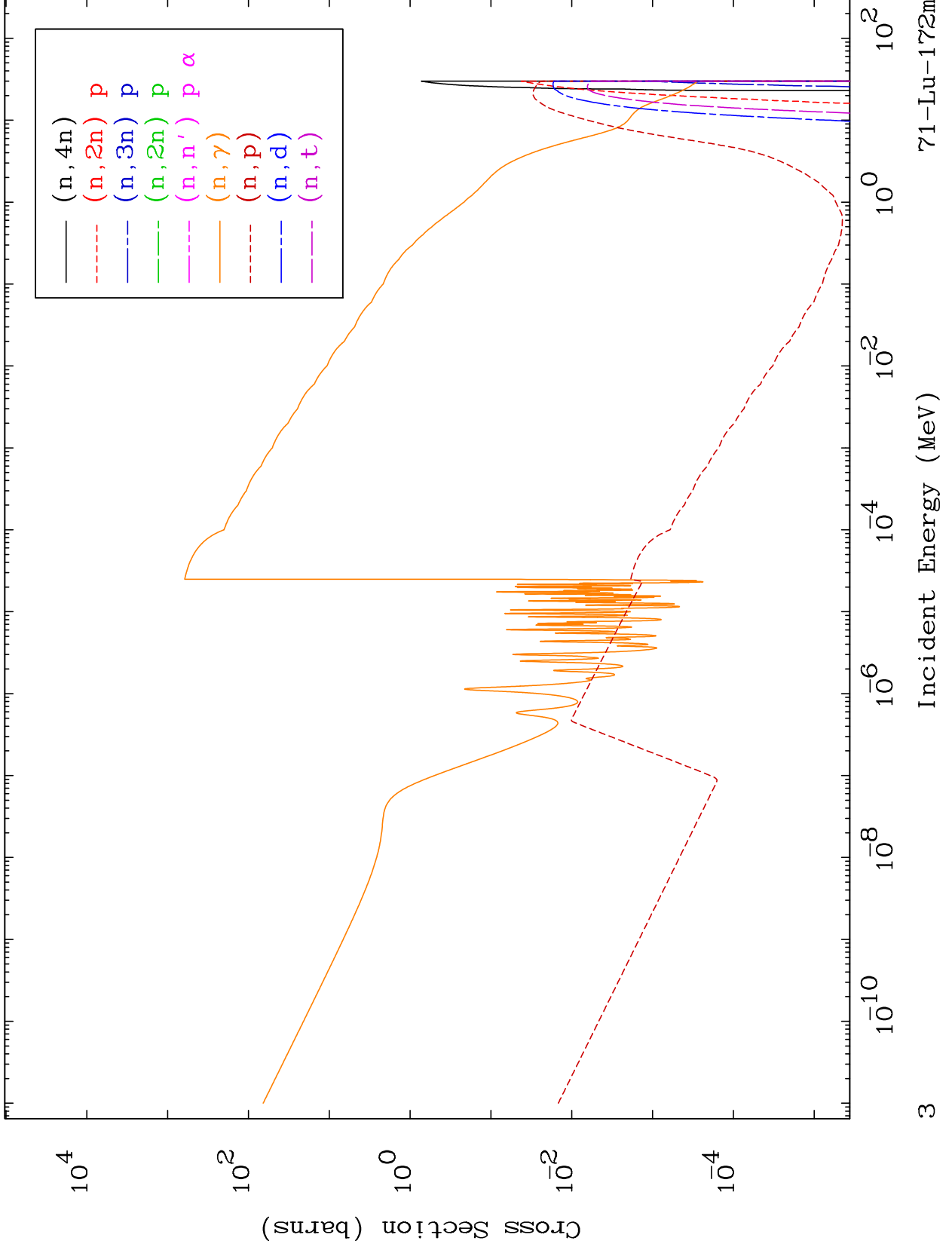
71-Lu-172m



MAT 7117

Neutron Absorption  
293 Kelvin Cross Sections

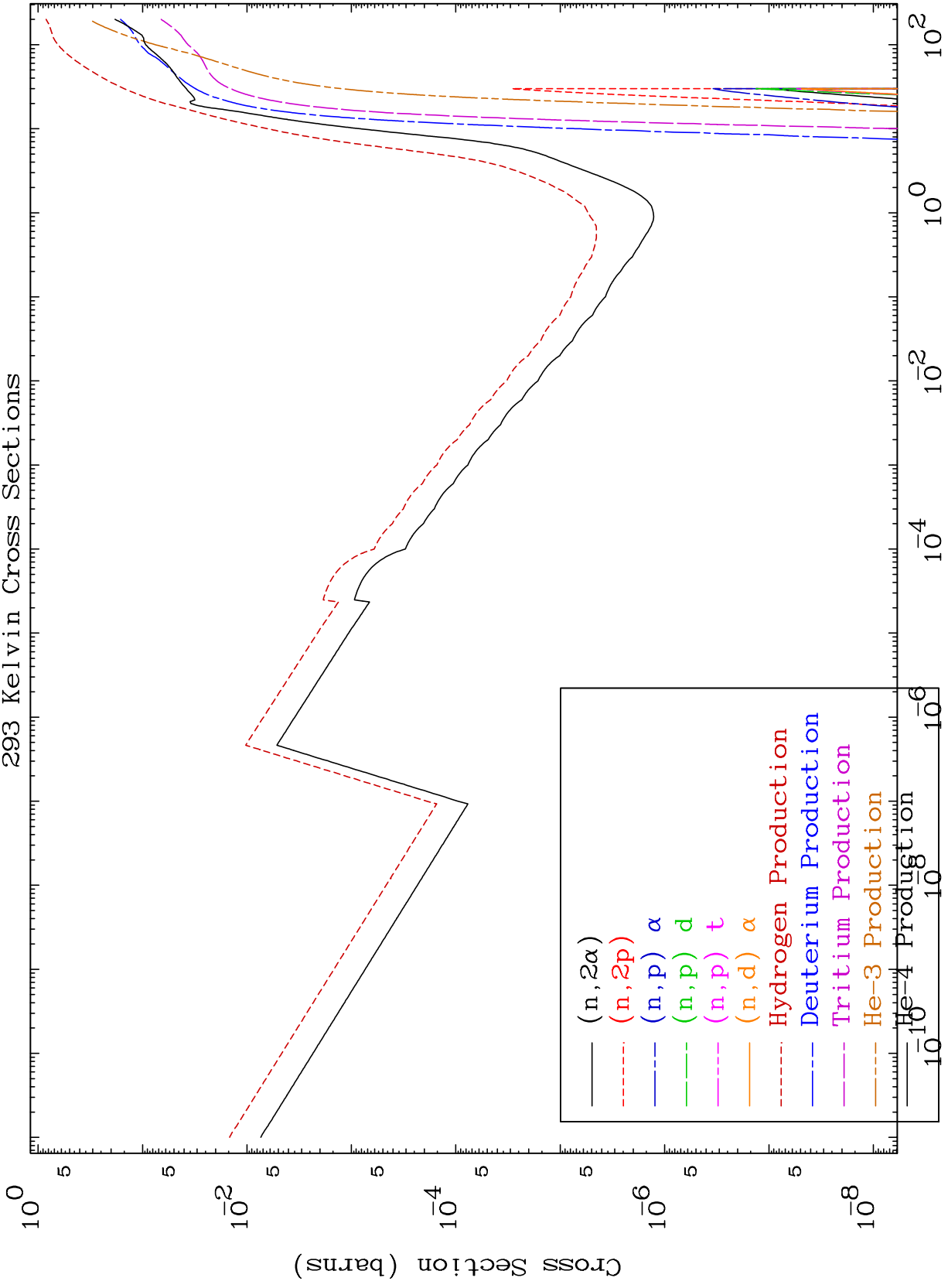
71-Lu-172m



MAT 7117

Neutron Absorption  
293 Kelvin Cross Sections

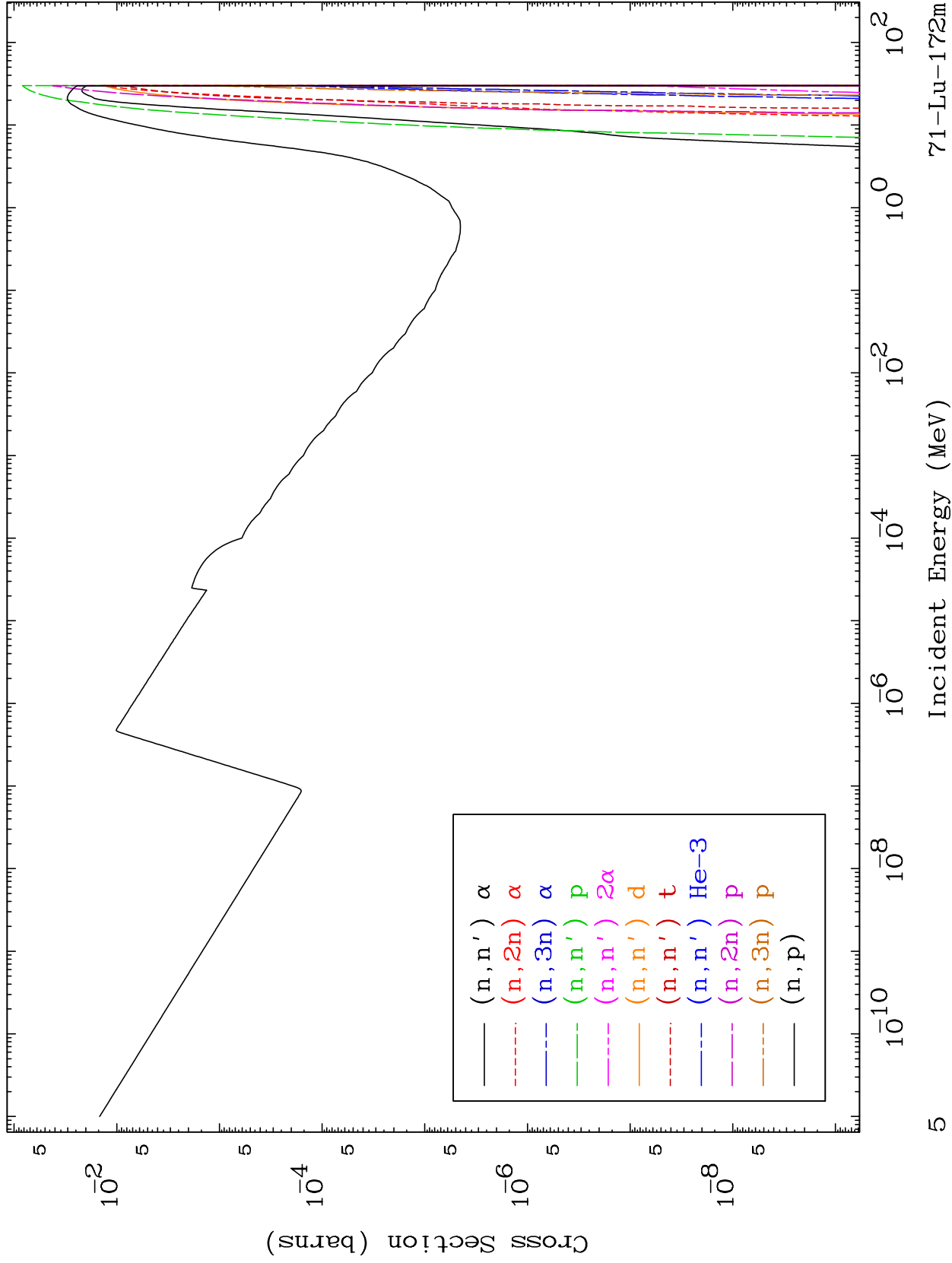
71-Lu-172m



MAT 7117

Charged Particle  
293 Kelvin Cross Sections

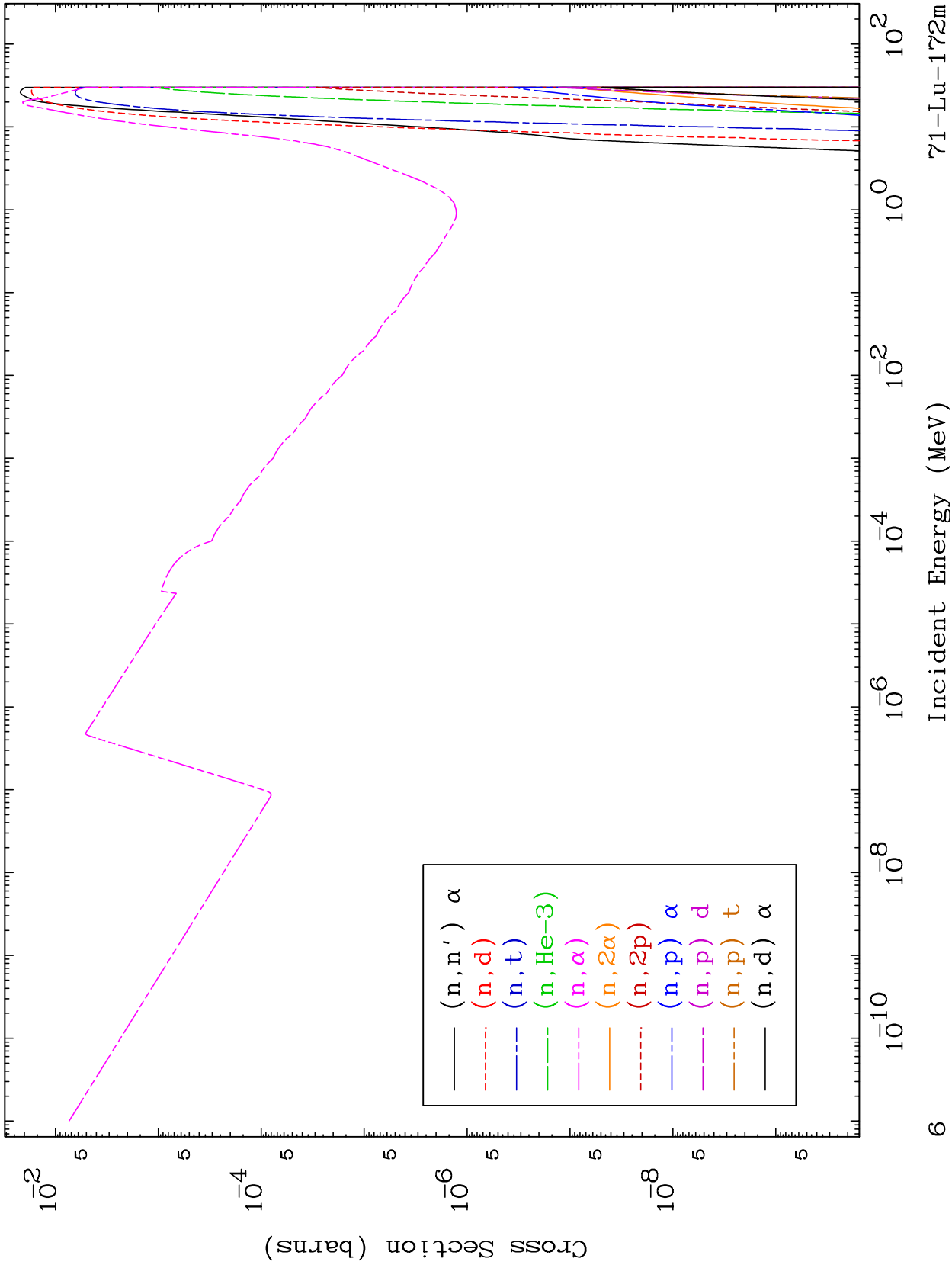
71-Lu-172m



MAT 7117

Charged Particle  
293 Kelvin Cross Sections

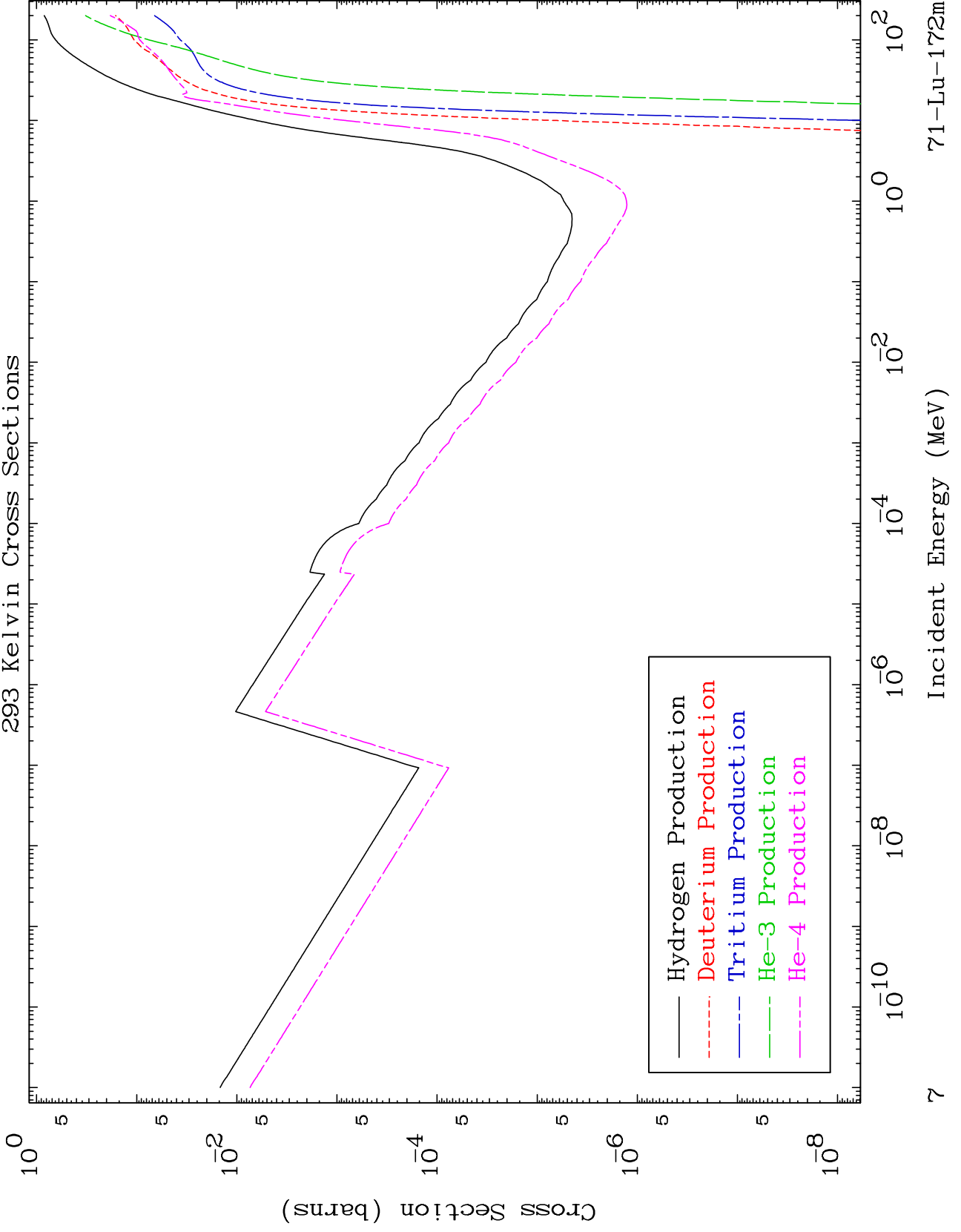
71-Lu-172m



MAT 7117

Particle Production  
293 Kelvin Cross Sections

71-Lu-172m

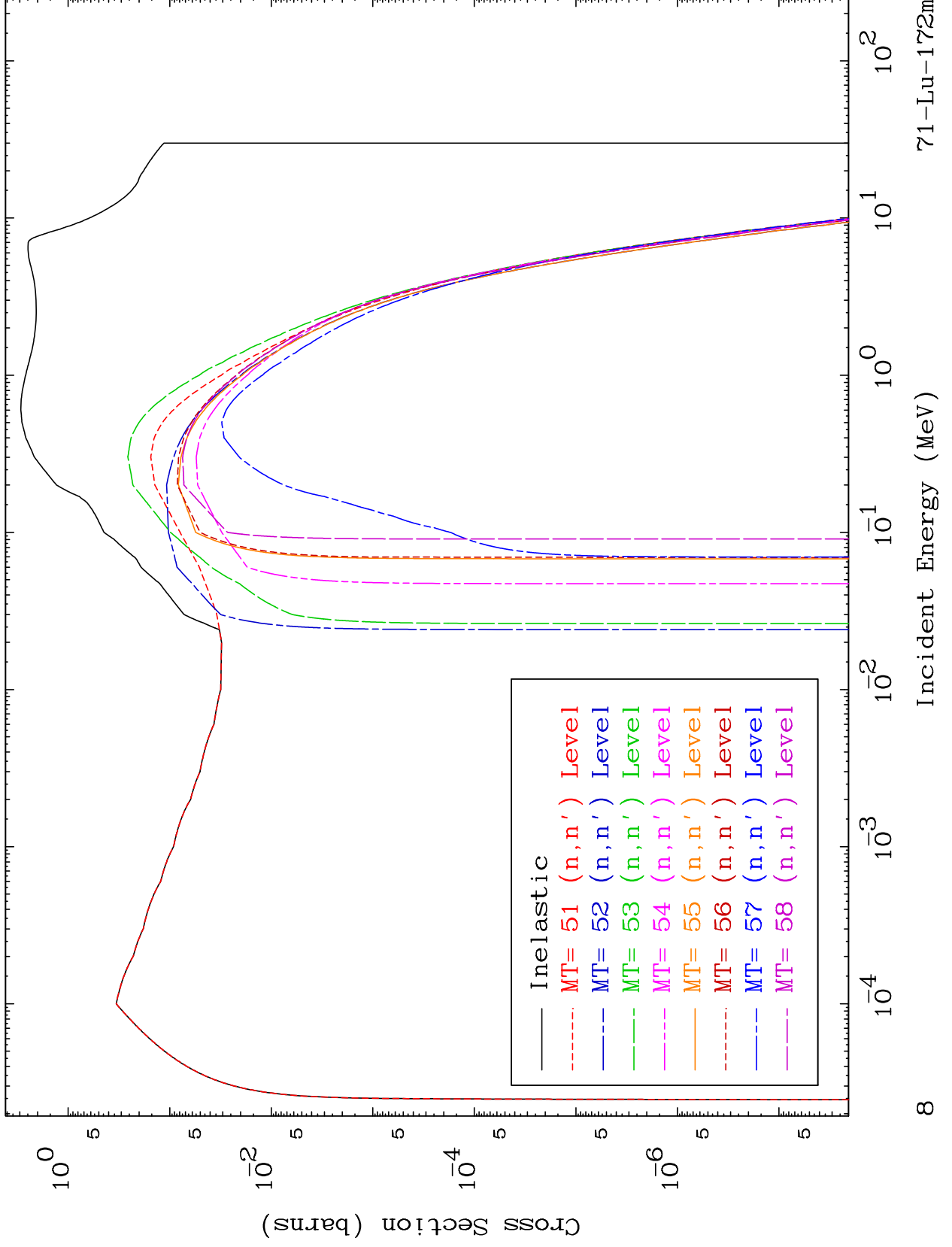




MAT 7117

293 Kelvin Cross Sections  
(n,n') Levels

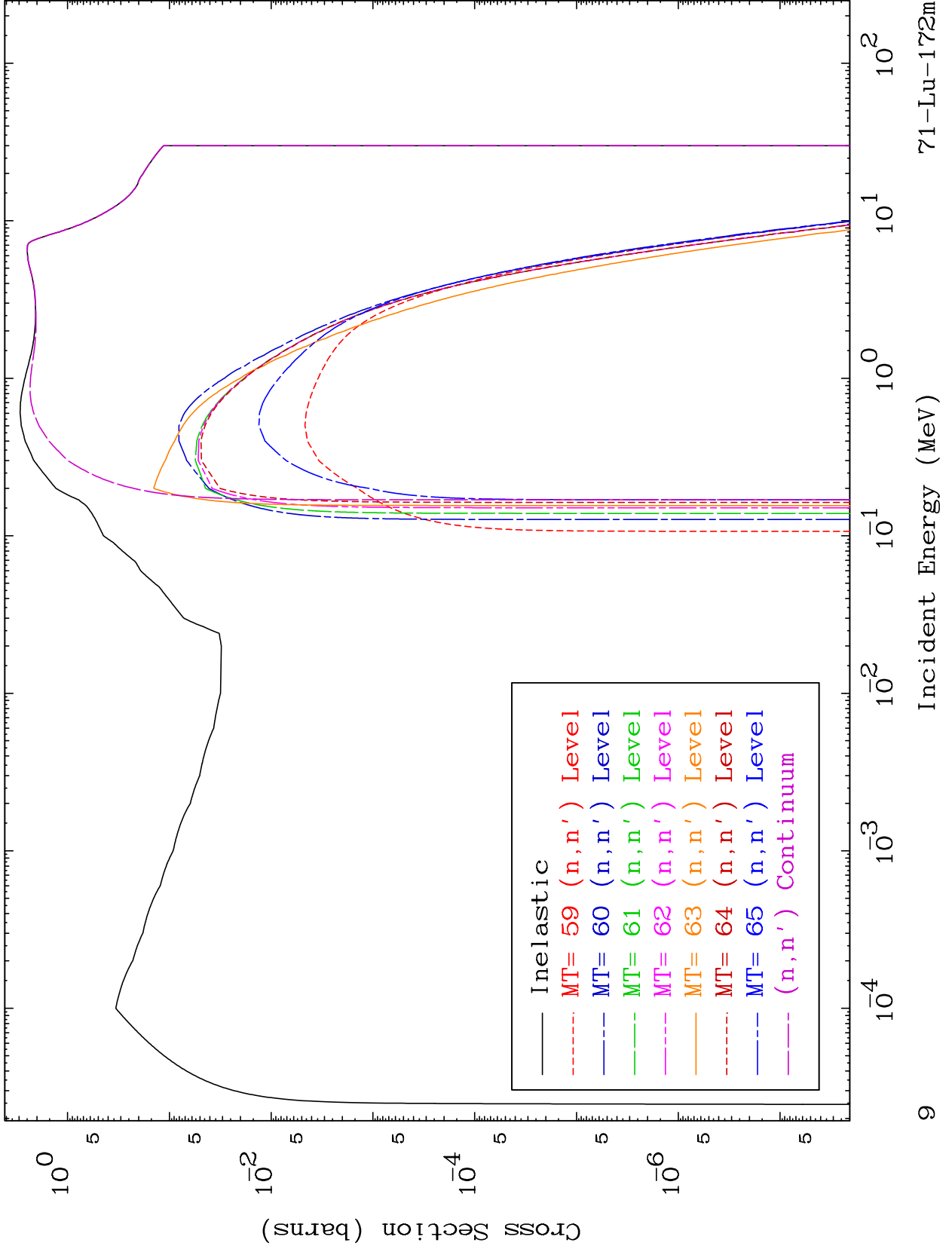
71-Lu-172m



MAT 7117

293 Kelvin Cross Sections  
(n,n') Levels

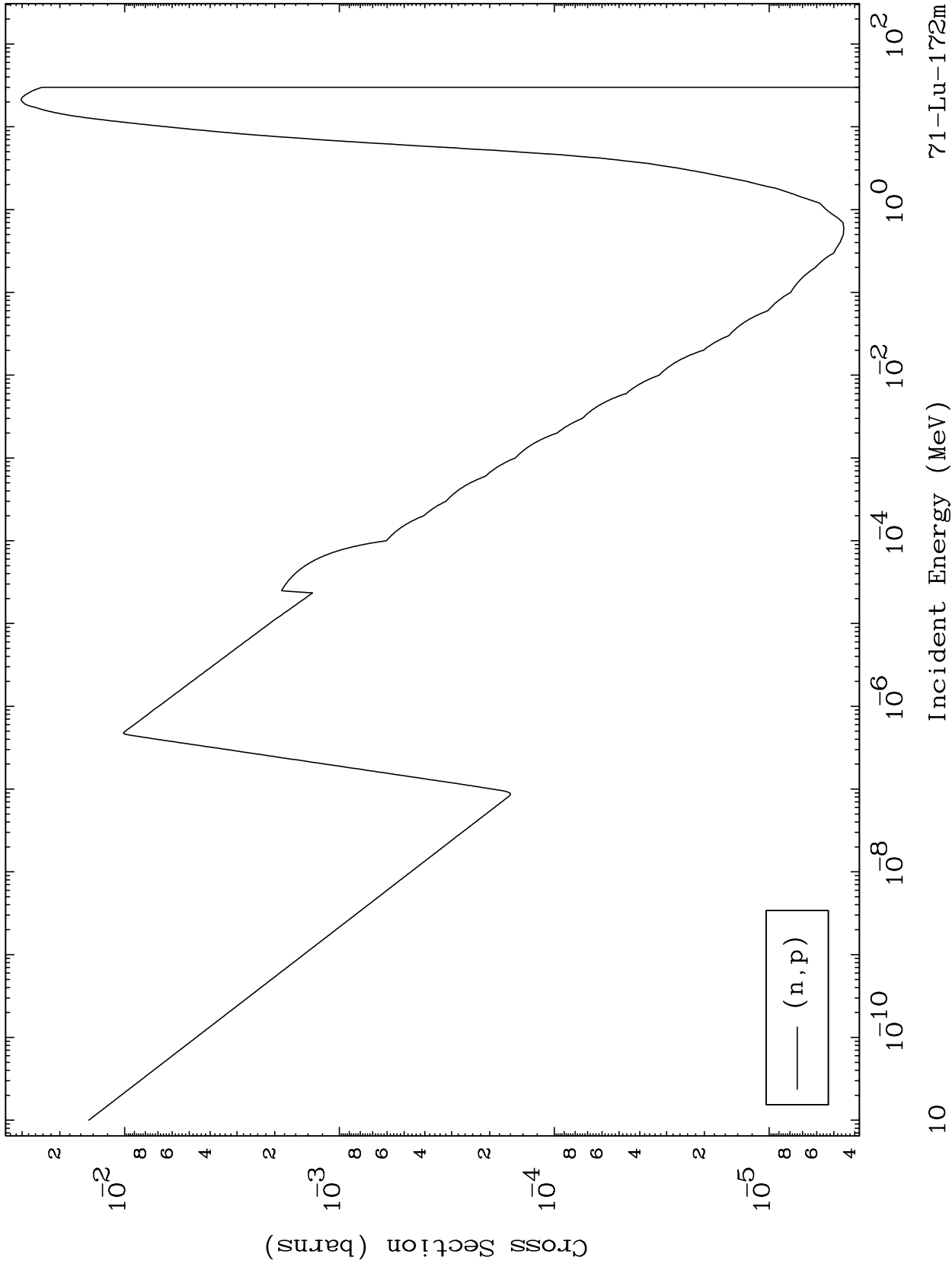
71-Lu-172m



MAT 7117

(n,p) Levels  
293 Kelvin Cross Sections

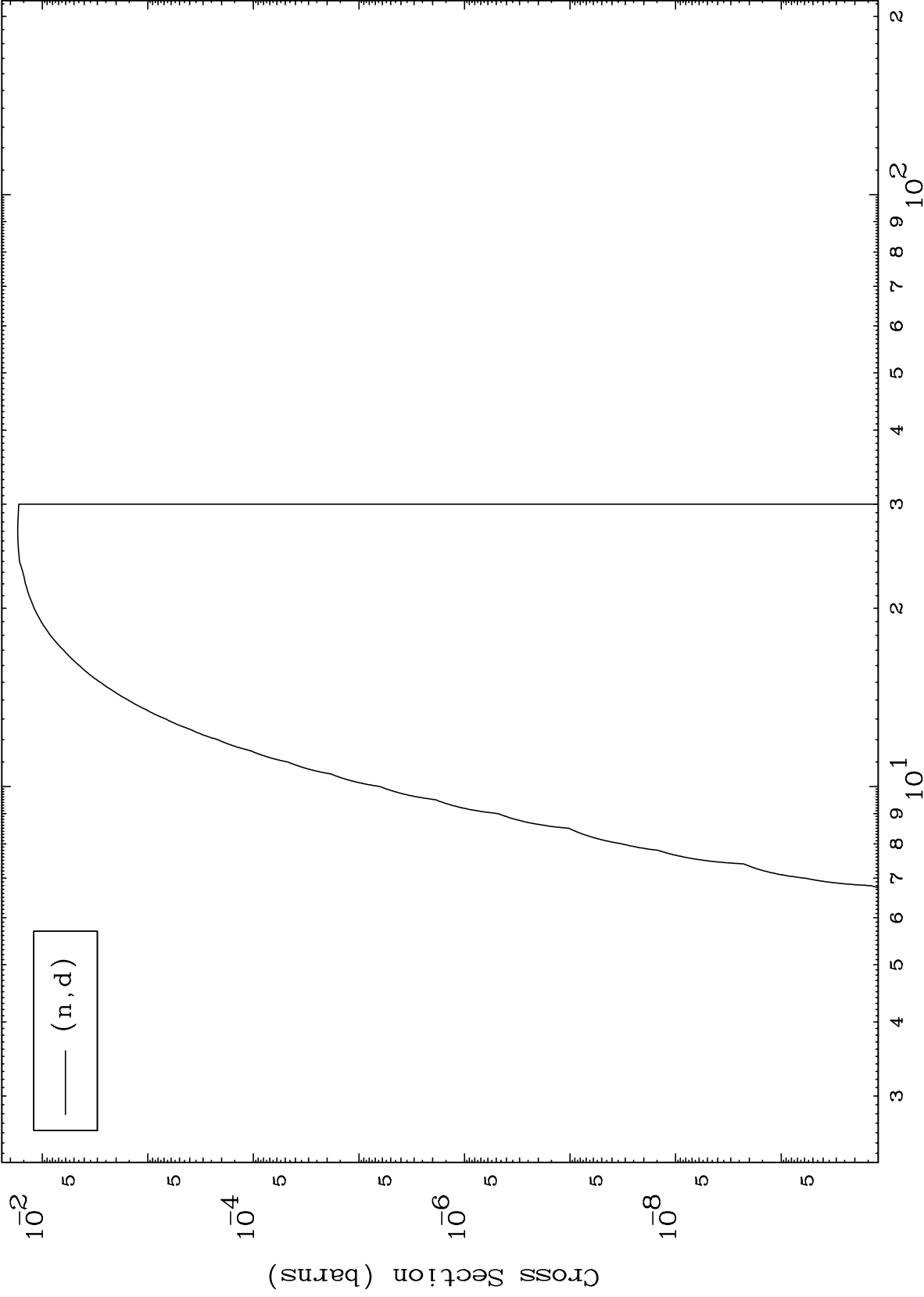
71-Lu-172m



MAT 7117

(n,d) Levels  
293 Kelvin Cross Sections

71-Lu-172m



(n,d)

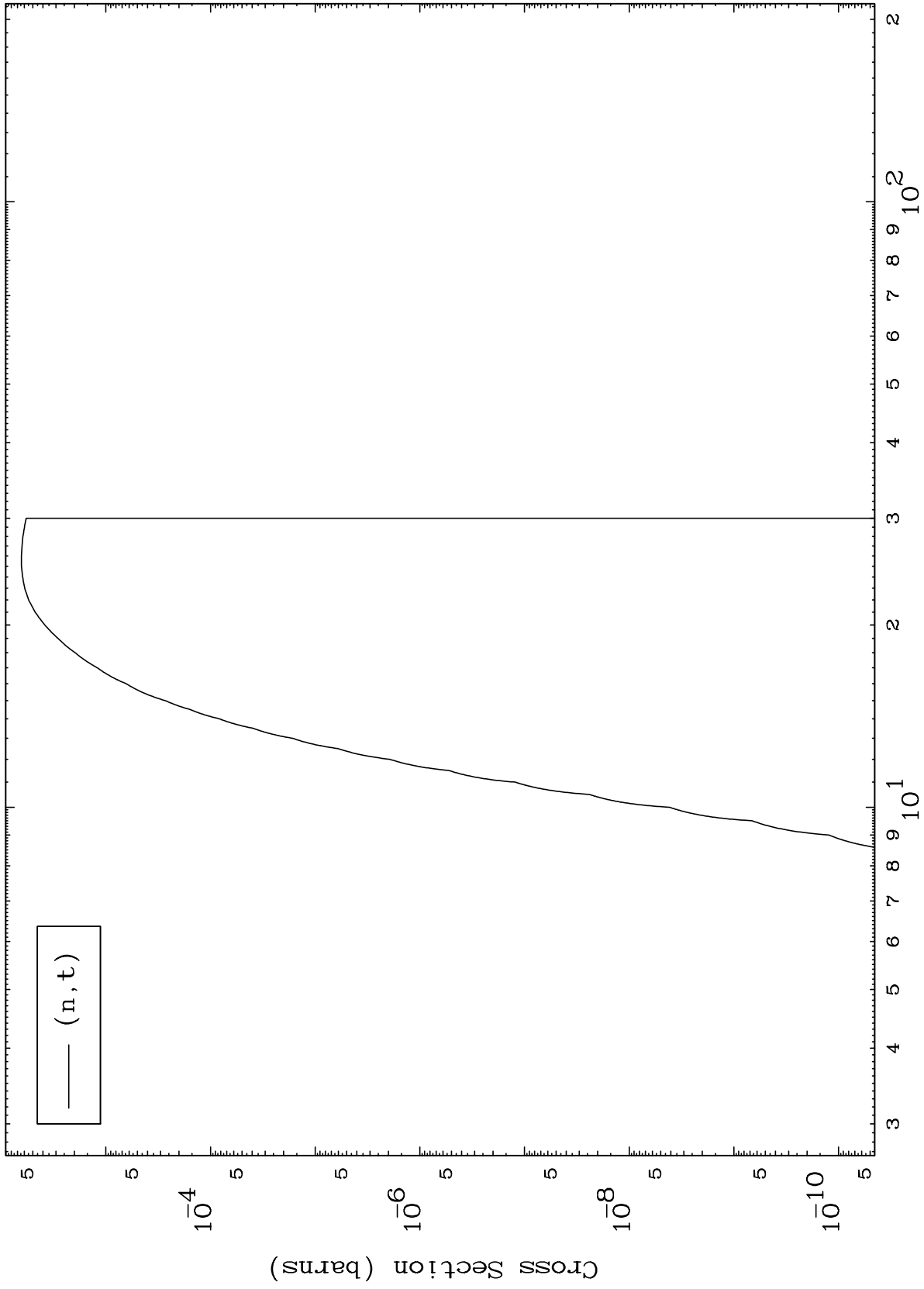
Incident Energy (MeV)

71-Lu-172m

MAT 7117

(n,t) Levels  
293 Kelvin Cross Sections

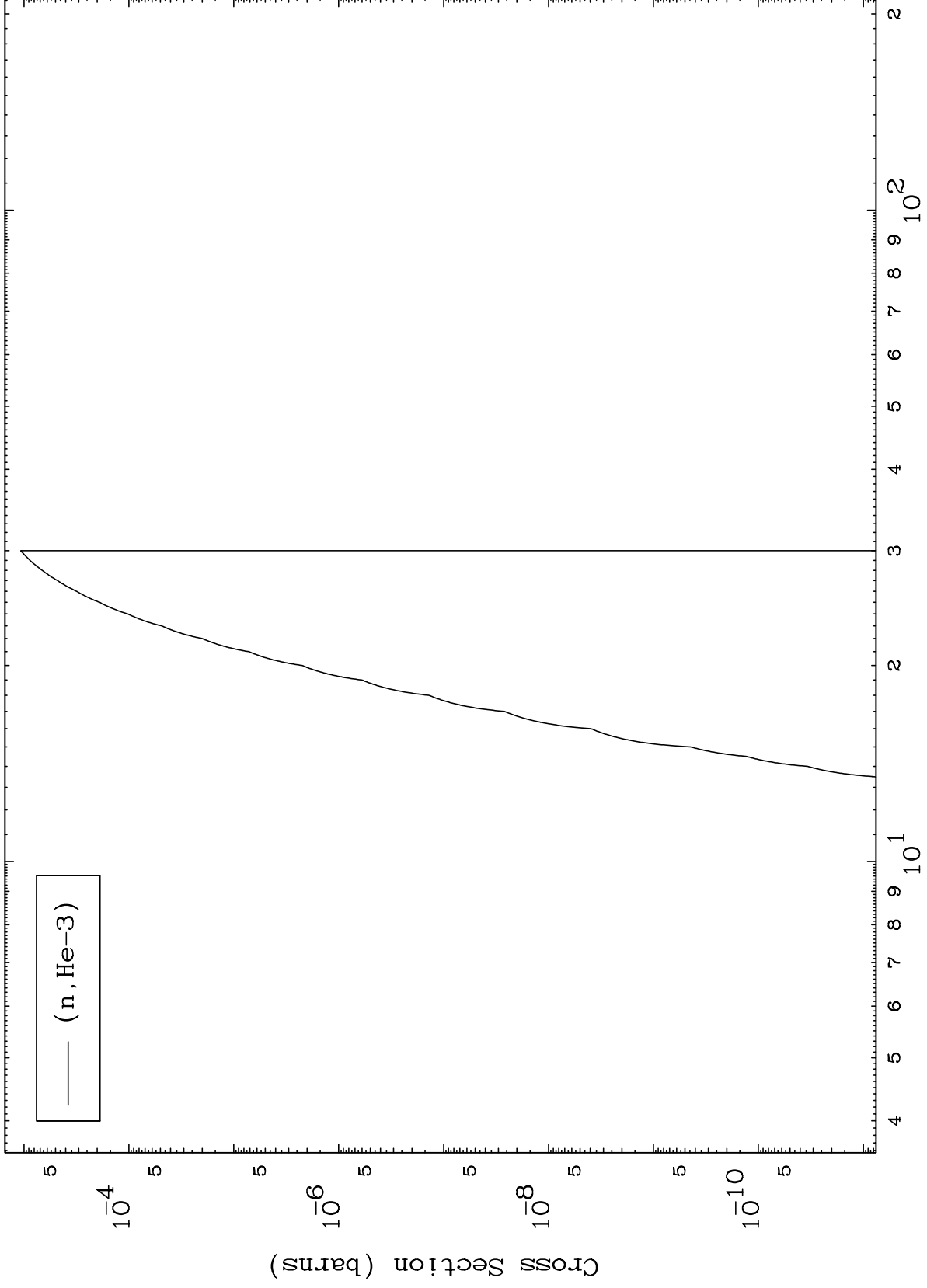
71-Lu-172m



MAT 7117

(n,He3) Levels  
293 Kelvin Cross Sections

71-Lu-172m



13

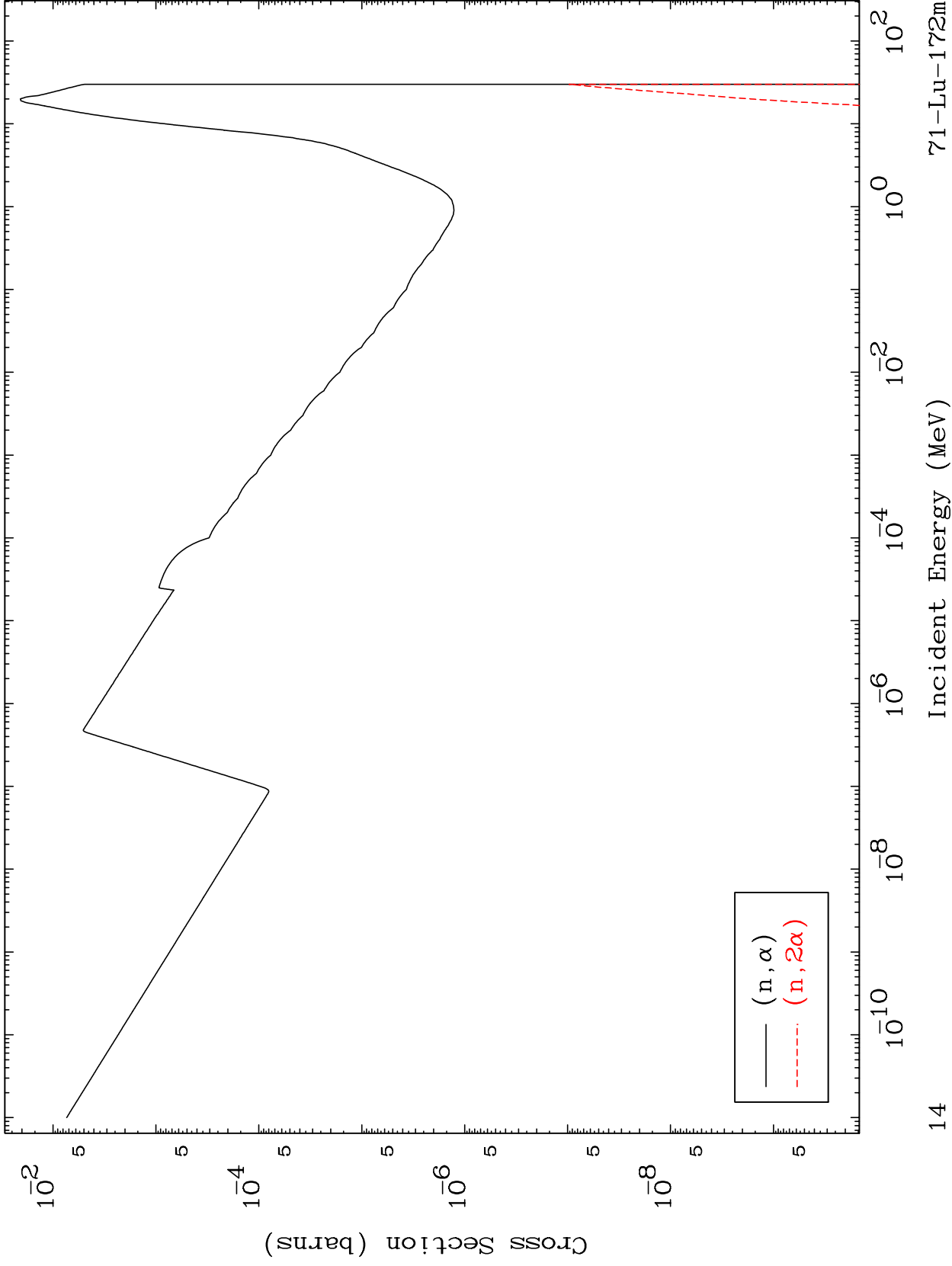
Incident Energy (MeV)

71-Lu-172m

MAT 7117

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

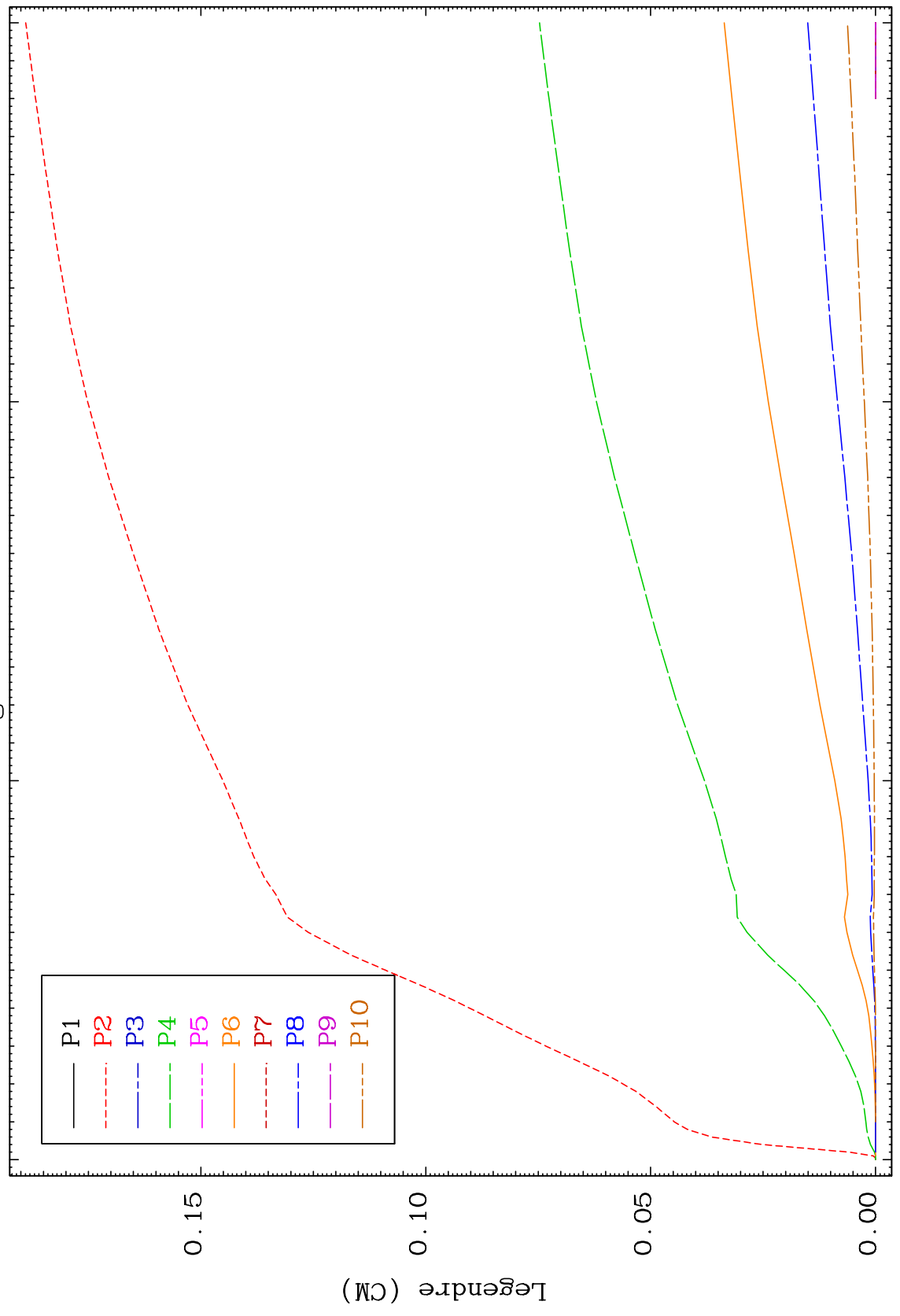
71-Lu-172m



MAT 7117

Elastic Legendre Coefficients

71-Lu-172m



Incident Energy (MeV)

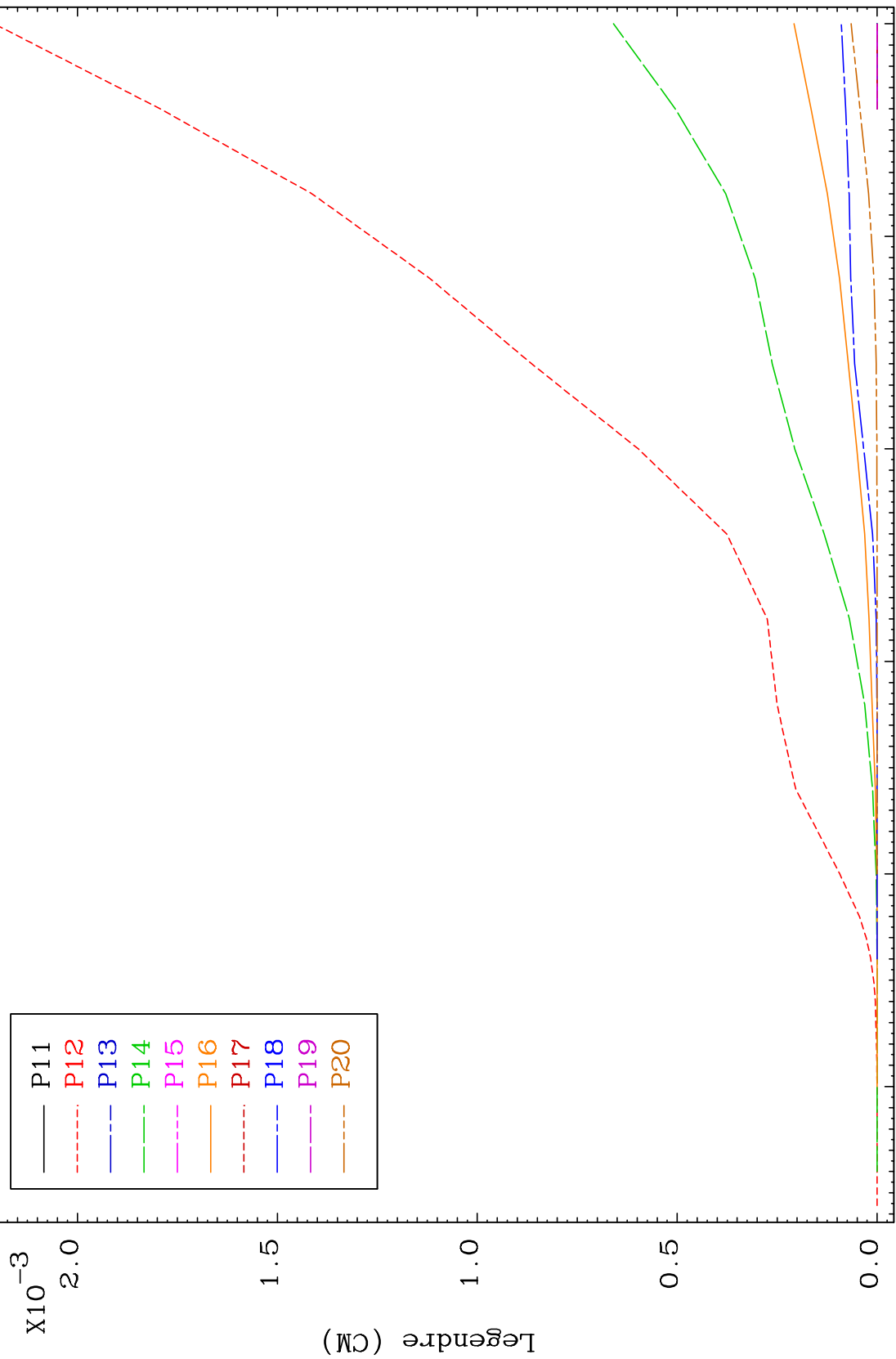
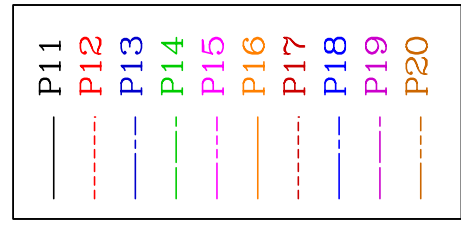
71-Lu-172m



MAT 7117

Elastic Legendre Coefficients

71-Lu-172m



16

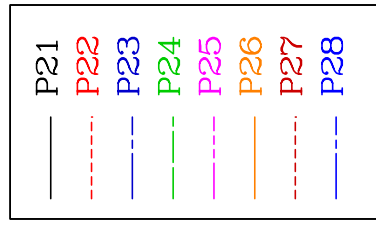
Incident Energy (MeV)

71-Lu-172m

MAT 7117

Elastic  
Legendre Coefficients

71-Lu-172m



$\times 10^{-6}$

Legendre (CM)



17

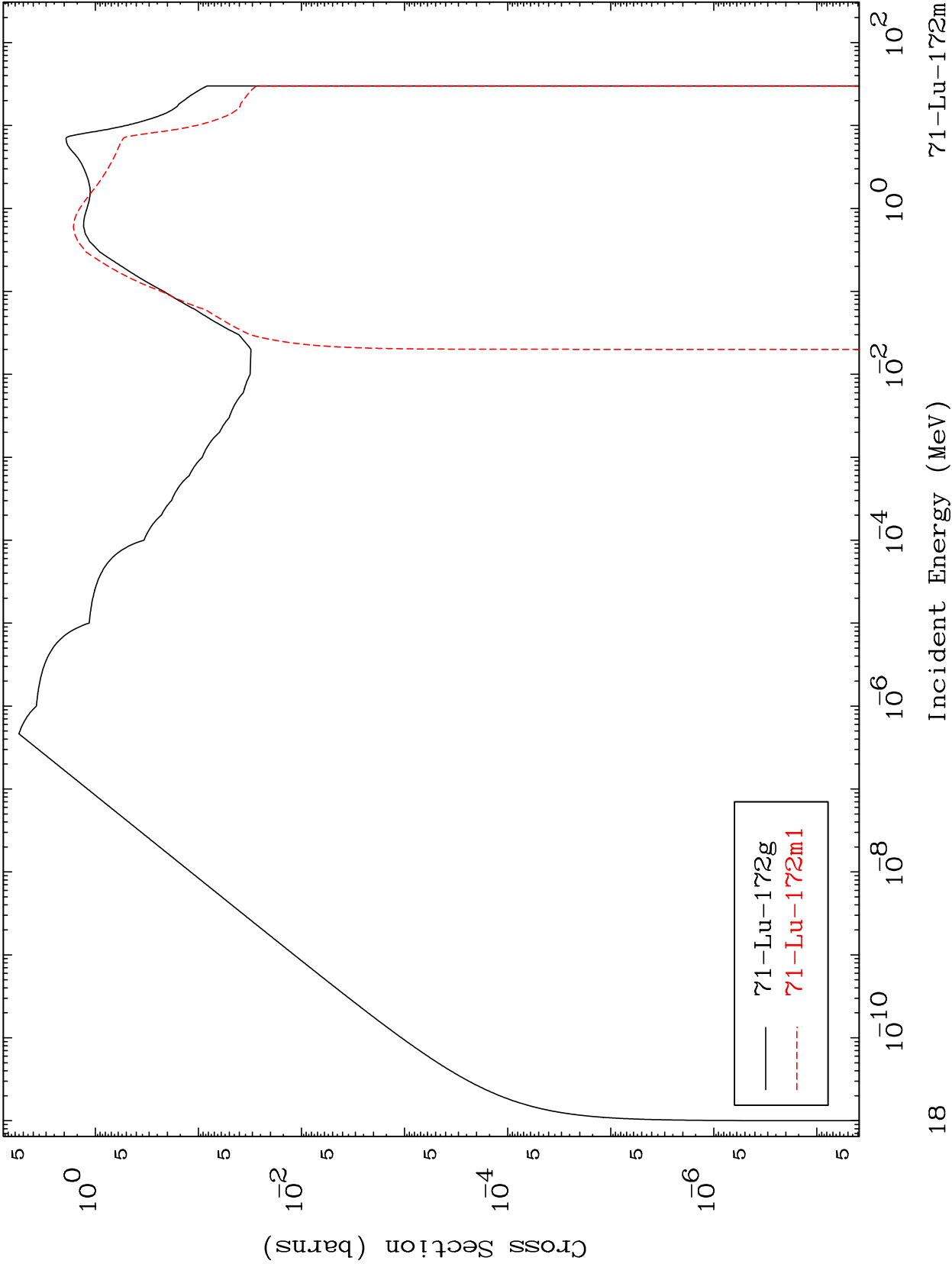
Incident Energy (MeV)

71-Lu-172m

MAT 7117

Inelastic  
Radionuclide Production Cross Section

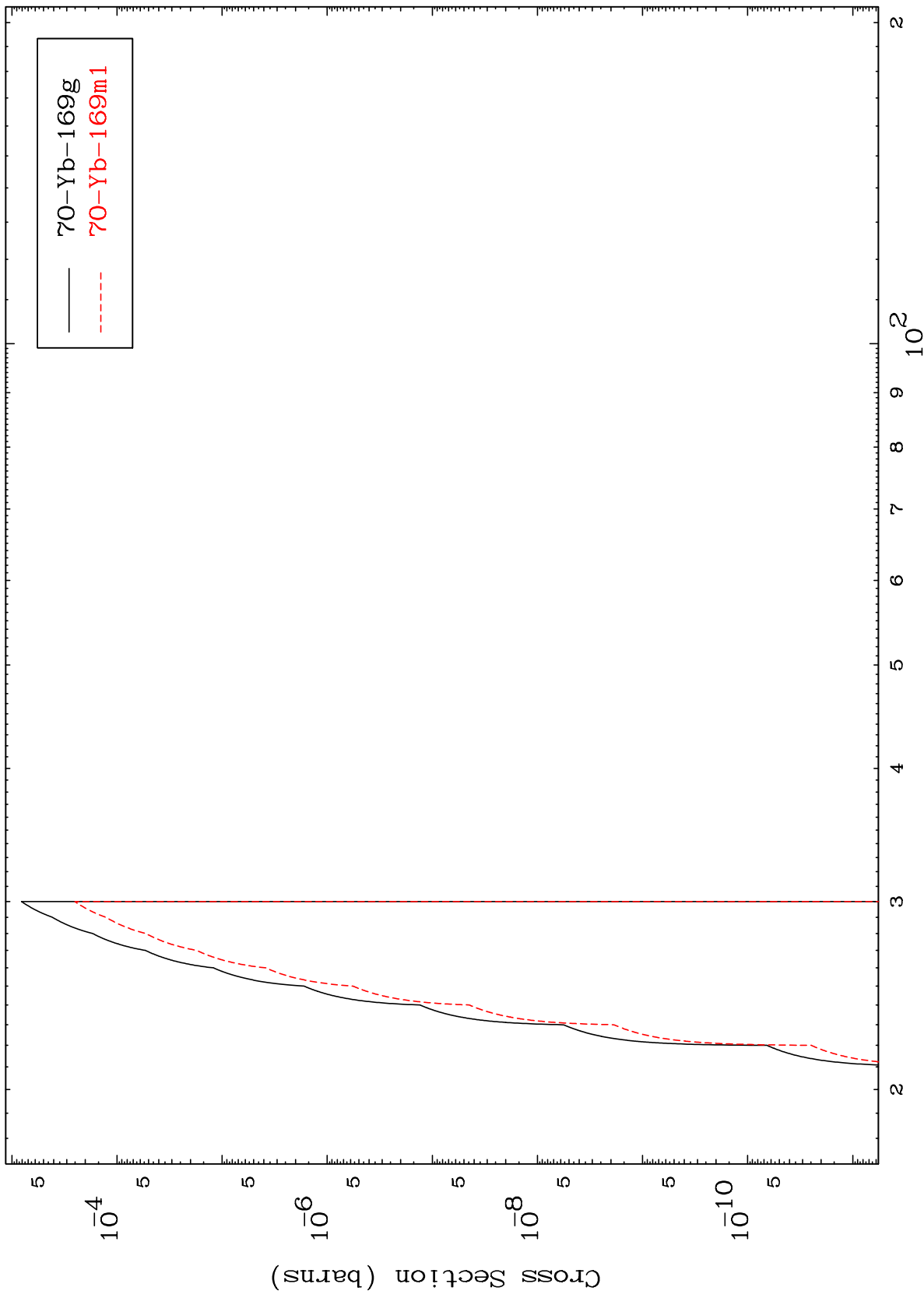
<sup>71</sup>Lu-172m



MAT 7117

71-Lu-172m

(n,2n) d  
Radionuclide Production Cross Section



71-Lu-172m

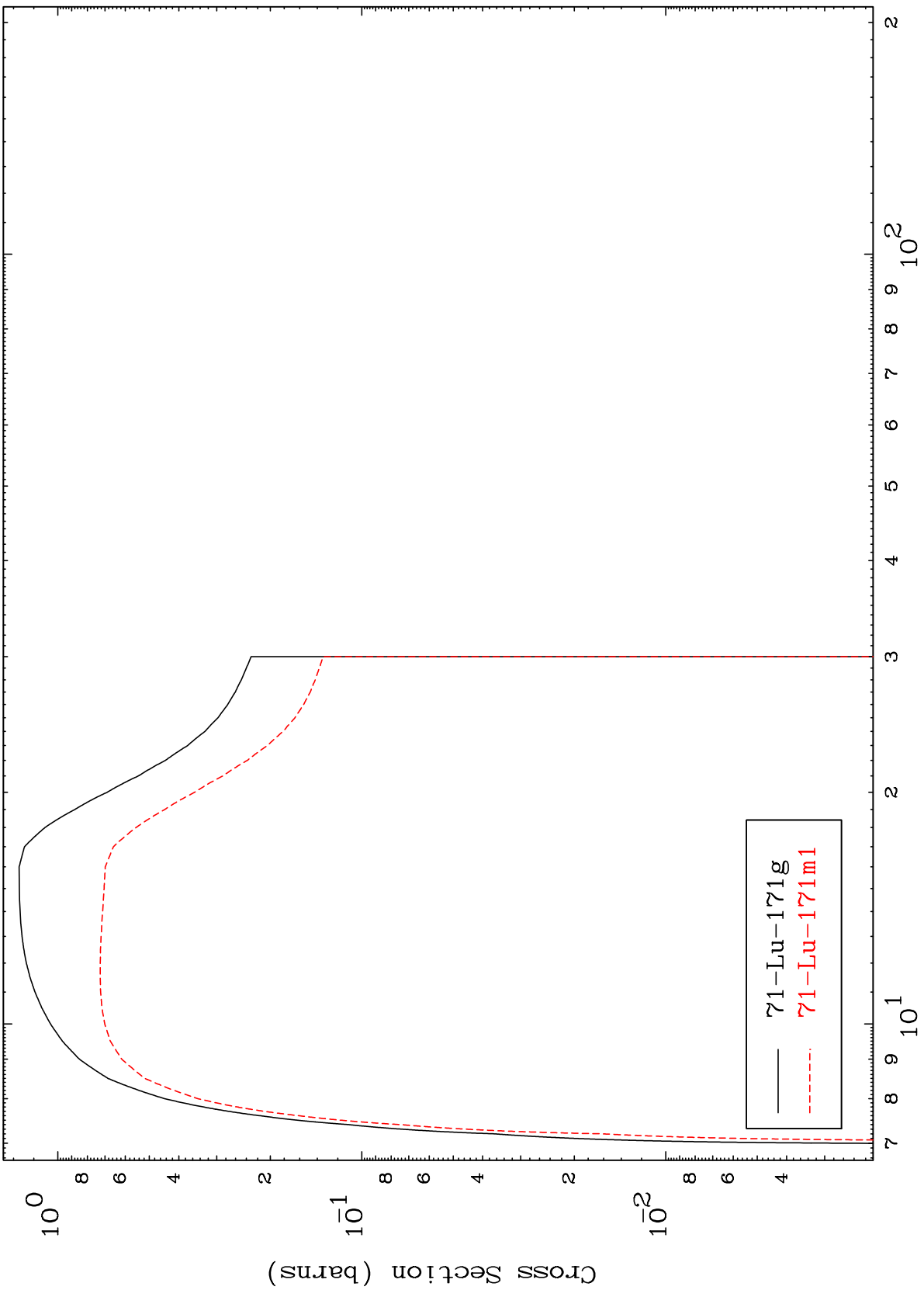
Incident Energy (MeV)

19

MAT 7117

71-Lu-172m

Radionuclide Production Cross Section  
(n,2n)

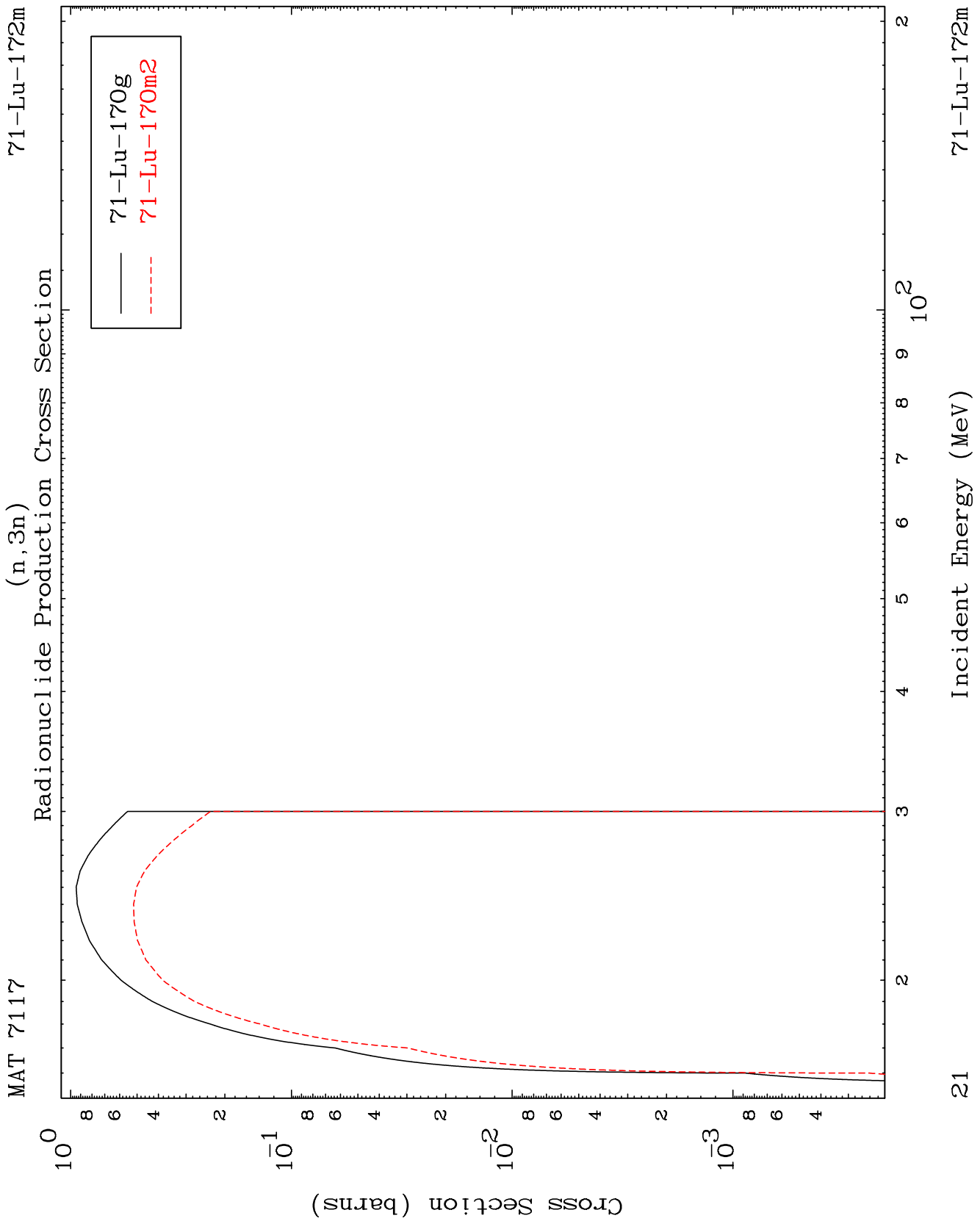


71-Lu-171g  
71-Lu-171m1

71-Lu-172m

Incident Energy (MeV)

20

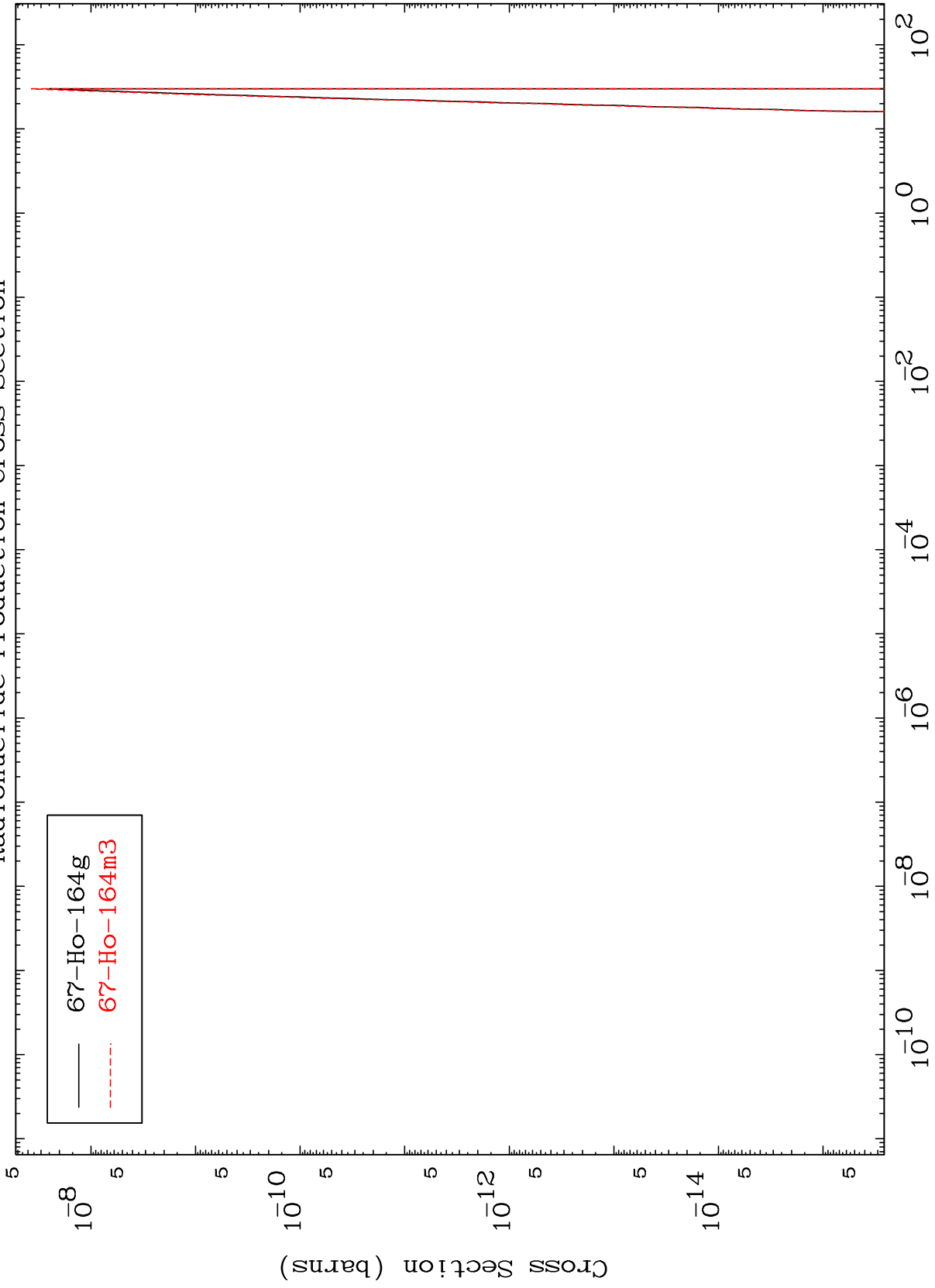


MAT 7117

(n,n') 2α

71-Lu-172m

Radionuclide Production Cross Section

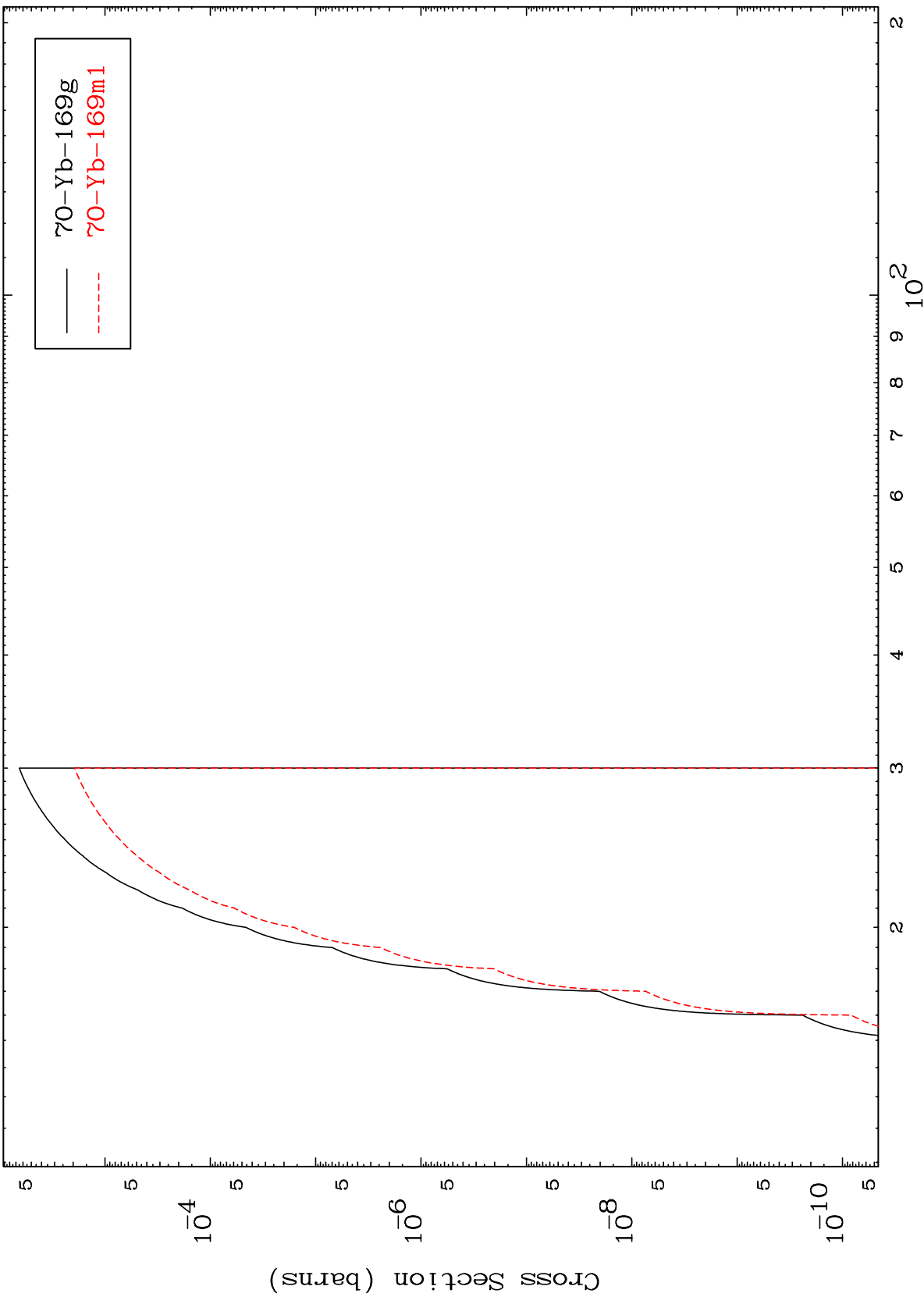


22

Incident Energy (MeV)

71-Lu-172m

Radionuclide Production Cross Section



70-Yb-169g  
70-Yb-169m1

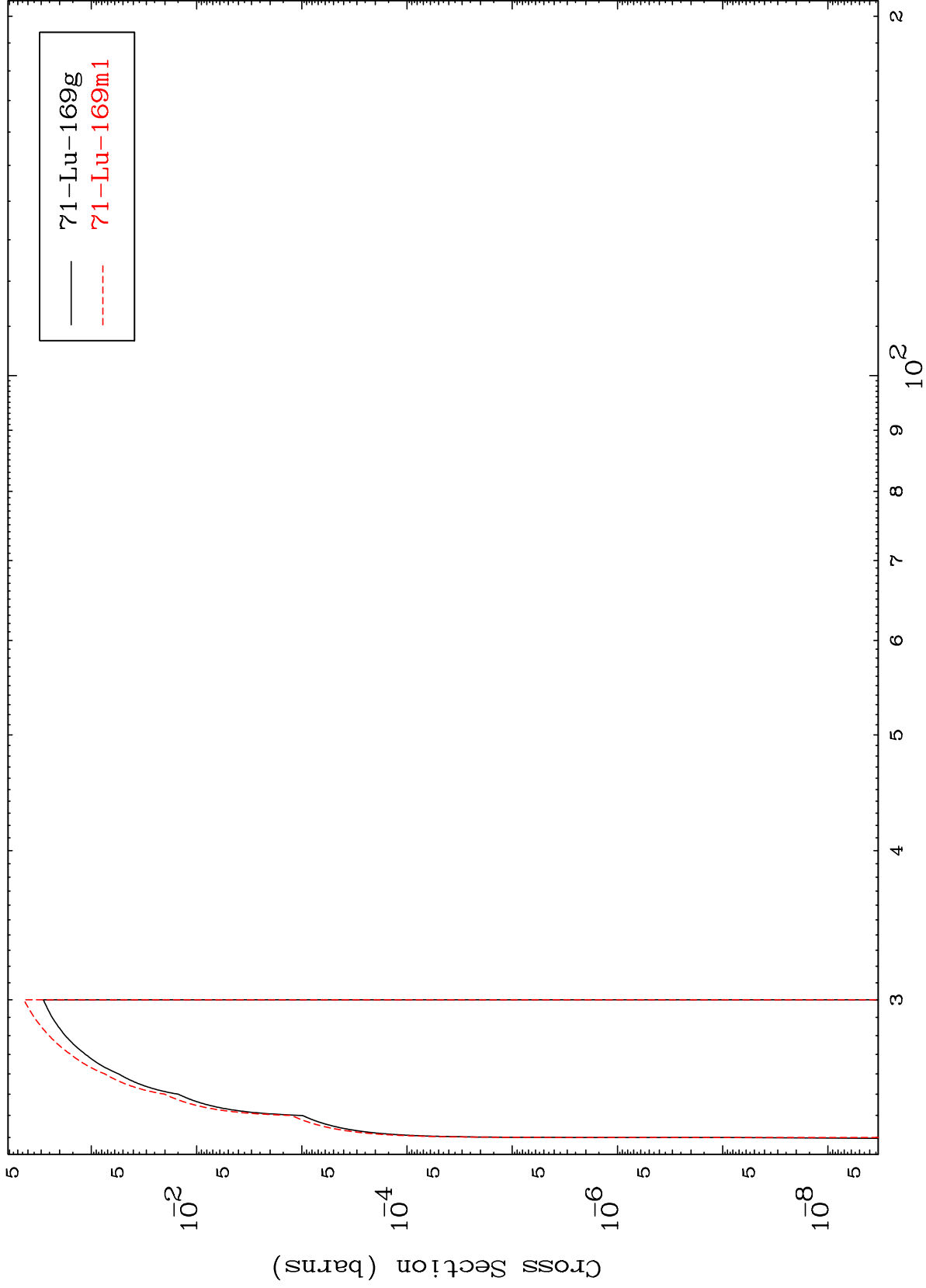


MAT 7117

(n,4n)

71-Lu-172m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

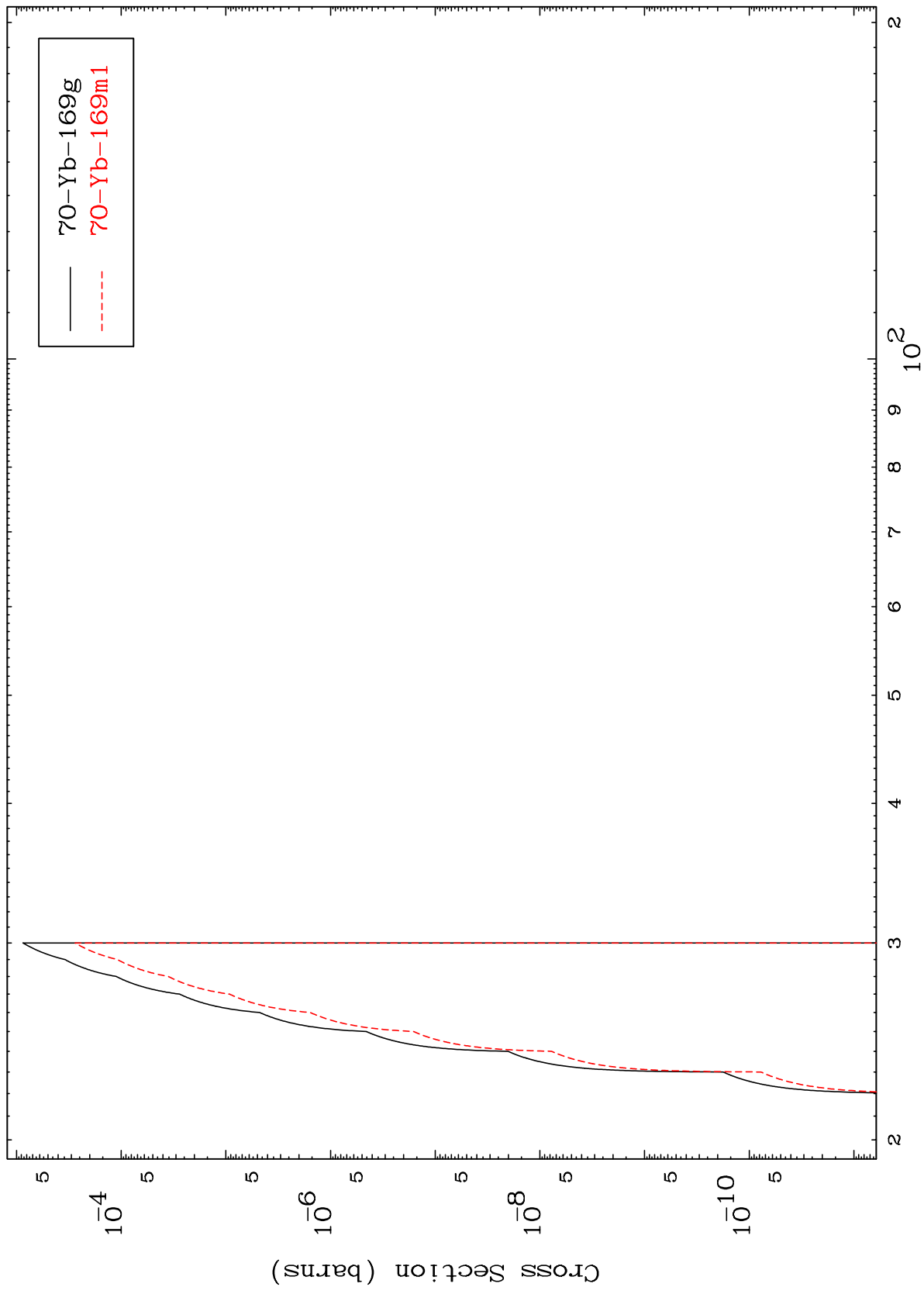
71-Lu-172m

MAT 7117

(n,3n) p

71-Lu-172m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

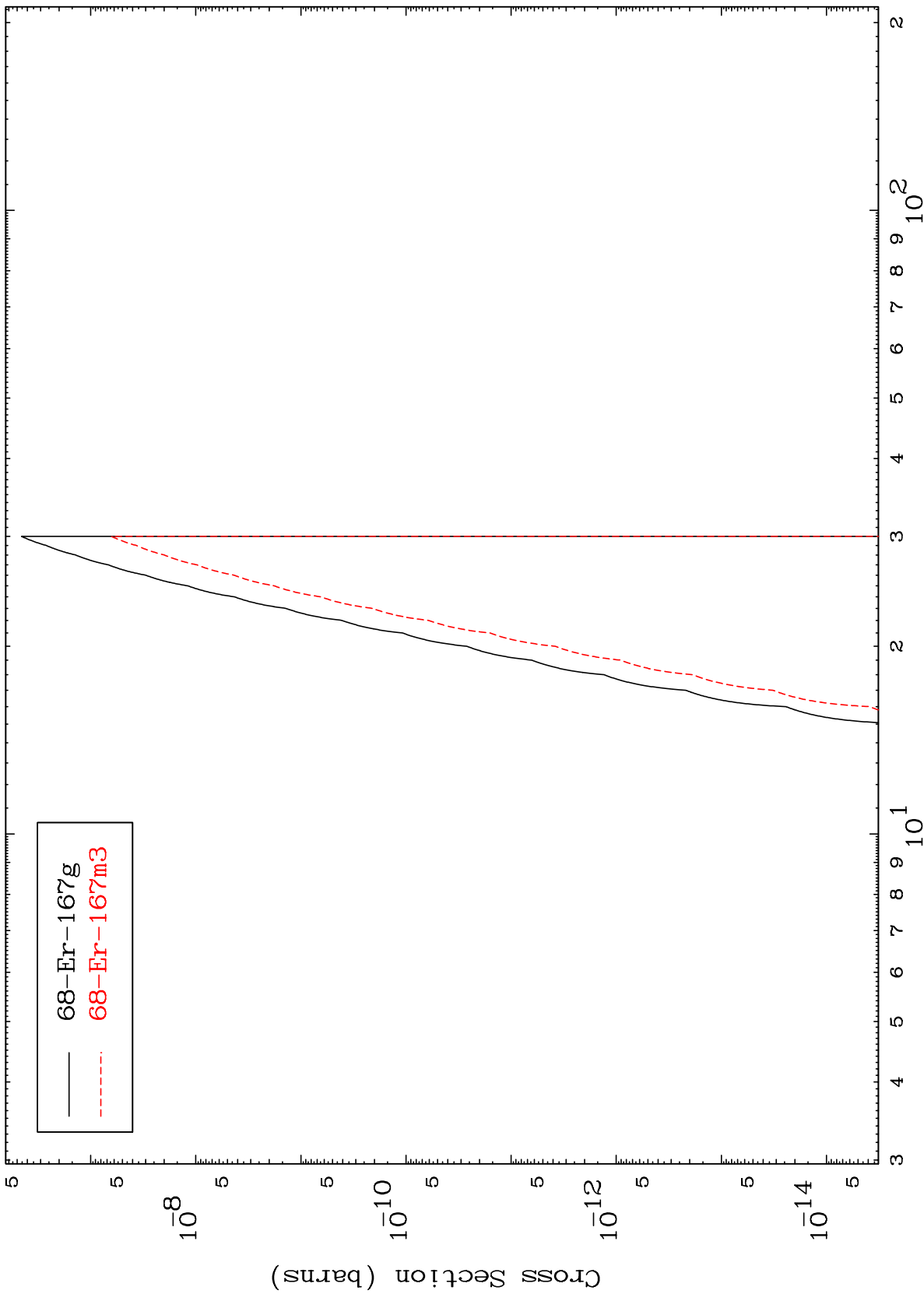
71-Lu-172m

MAT 7117

(n,n') p  $\alpha$

71-Lu-172m

Radionuclide Production Cross Section



Incident Energy (MeV)

71-Lu-172m

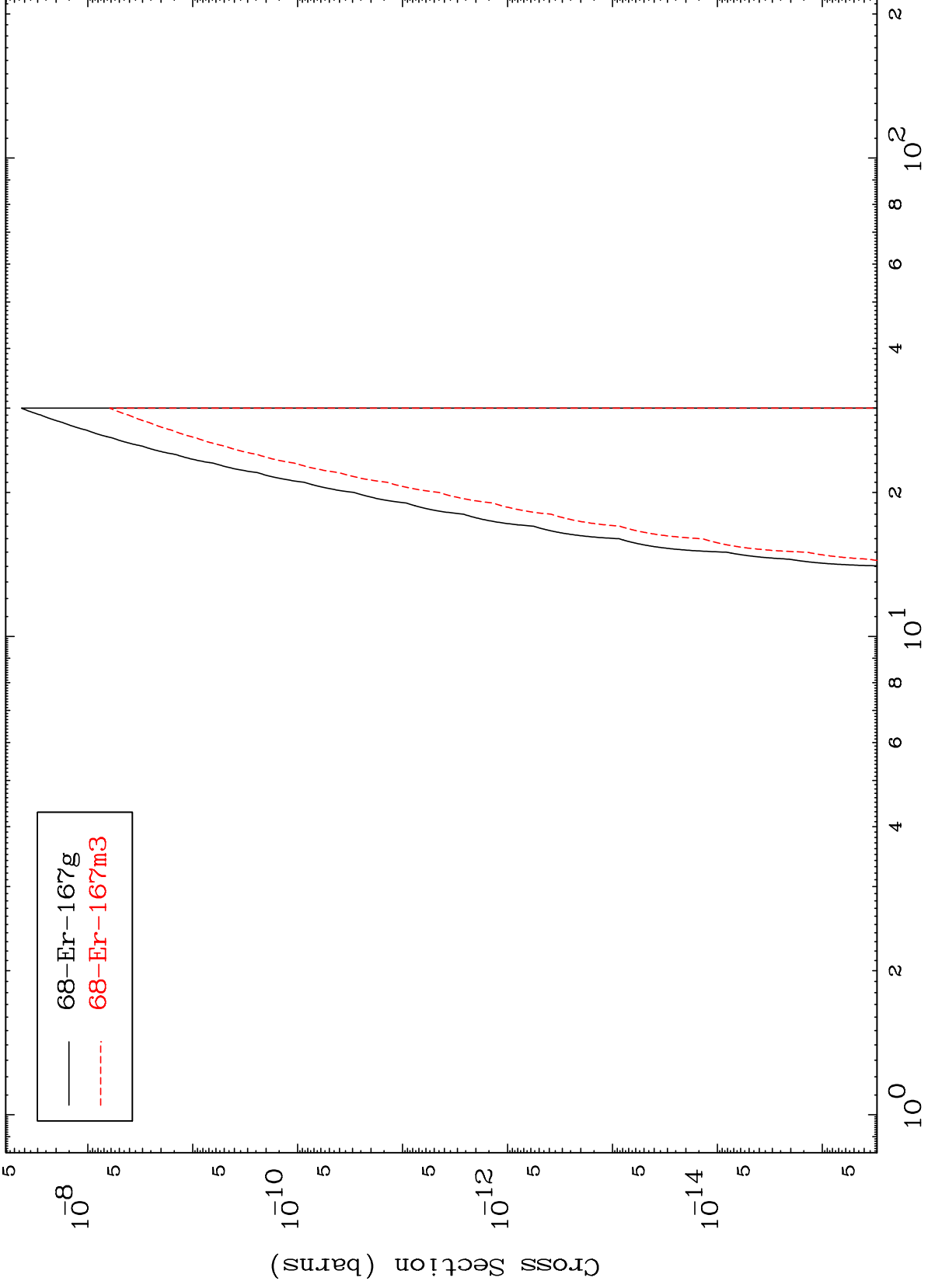
26

MAT 71117

(n,d)  $\alpha$

71-Lu-172m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

71-Lu-172m