

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

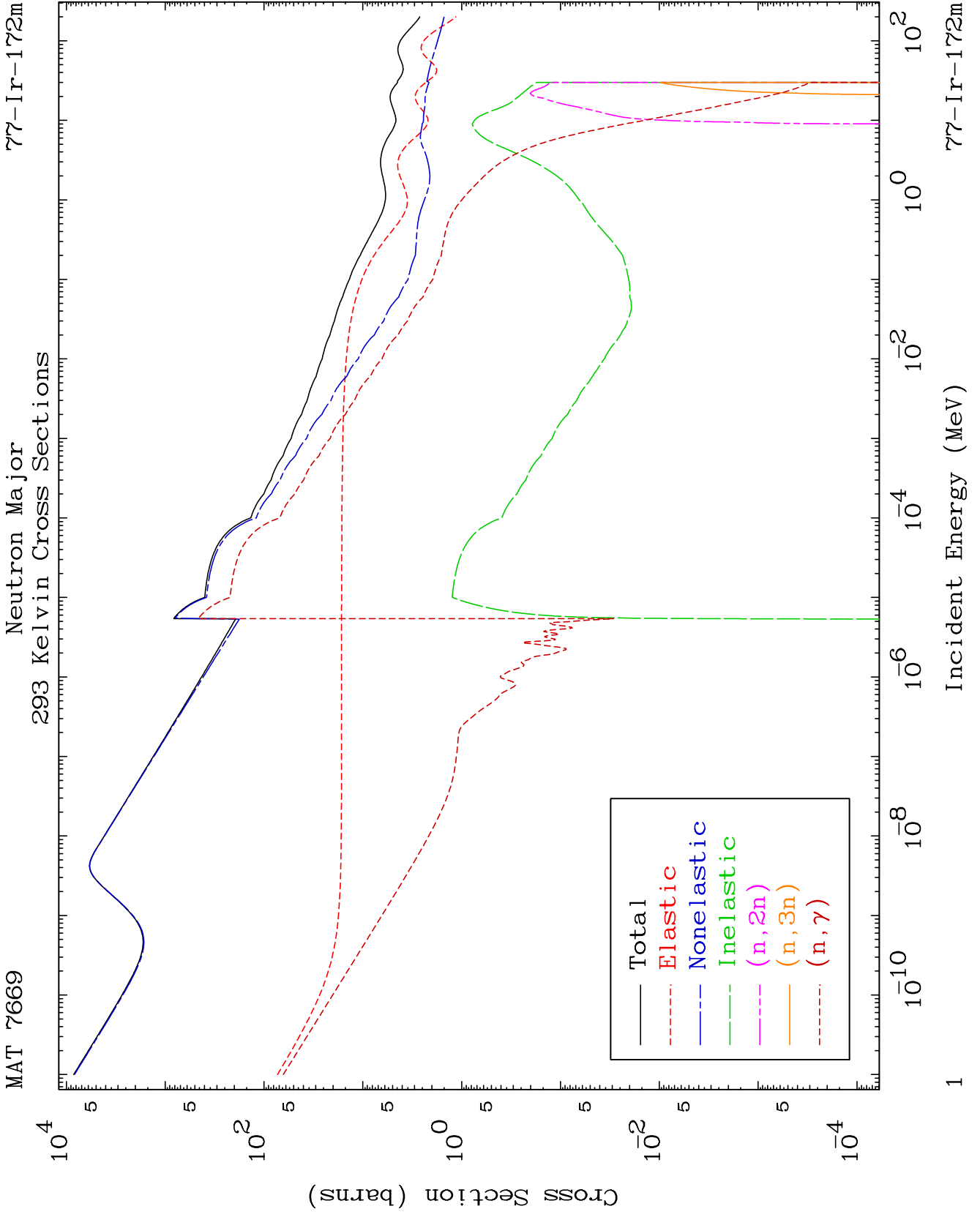
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

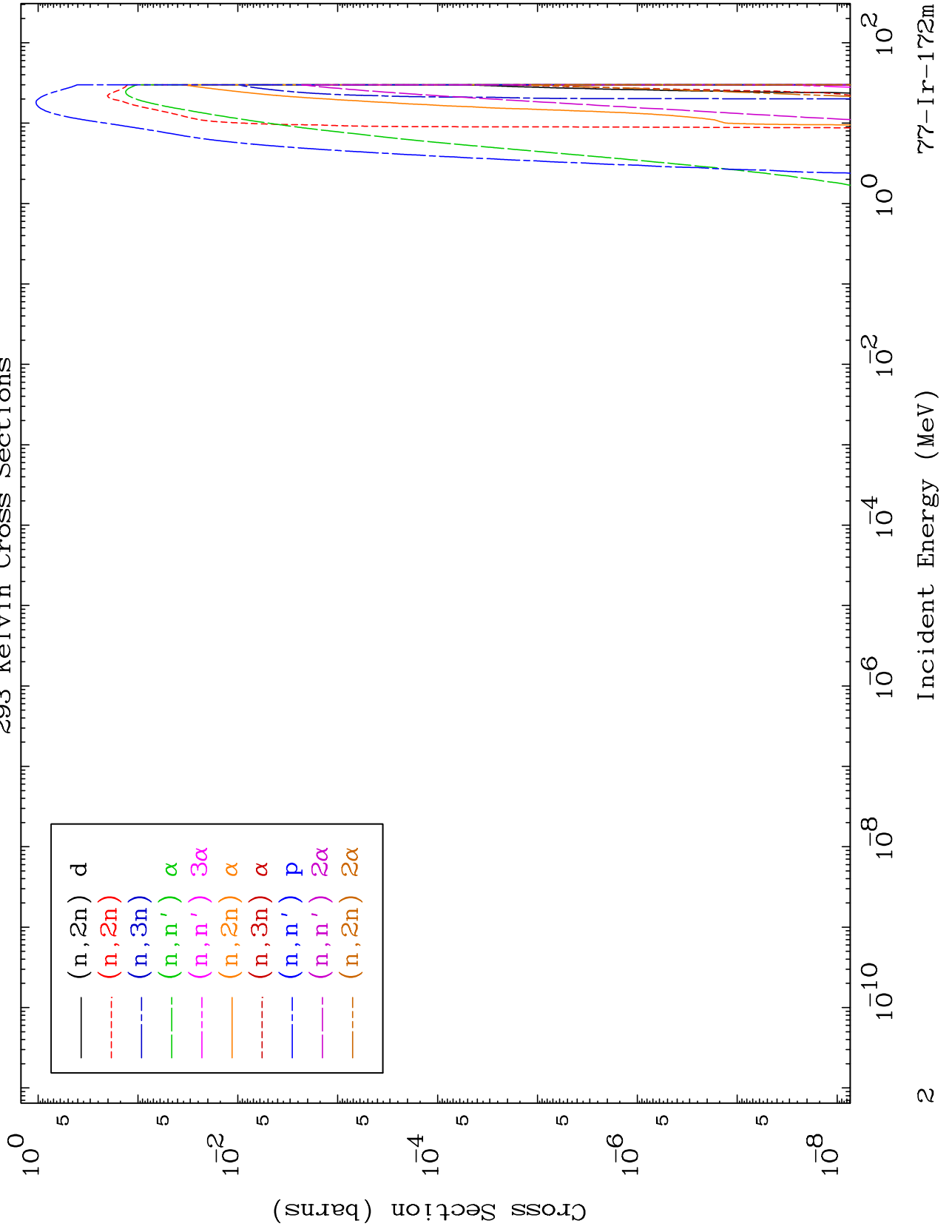
Press Mouse Button to Start



MAT 7669

Neutron Absorption  
293 Kelvin Cross Sections

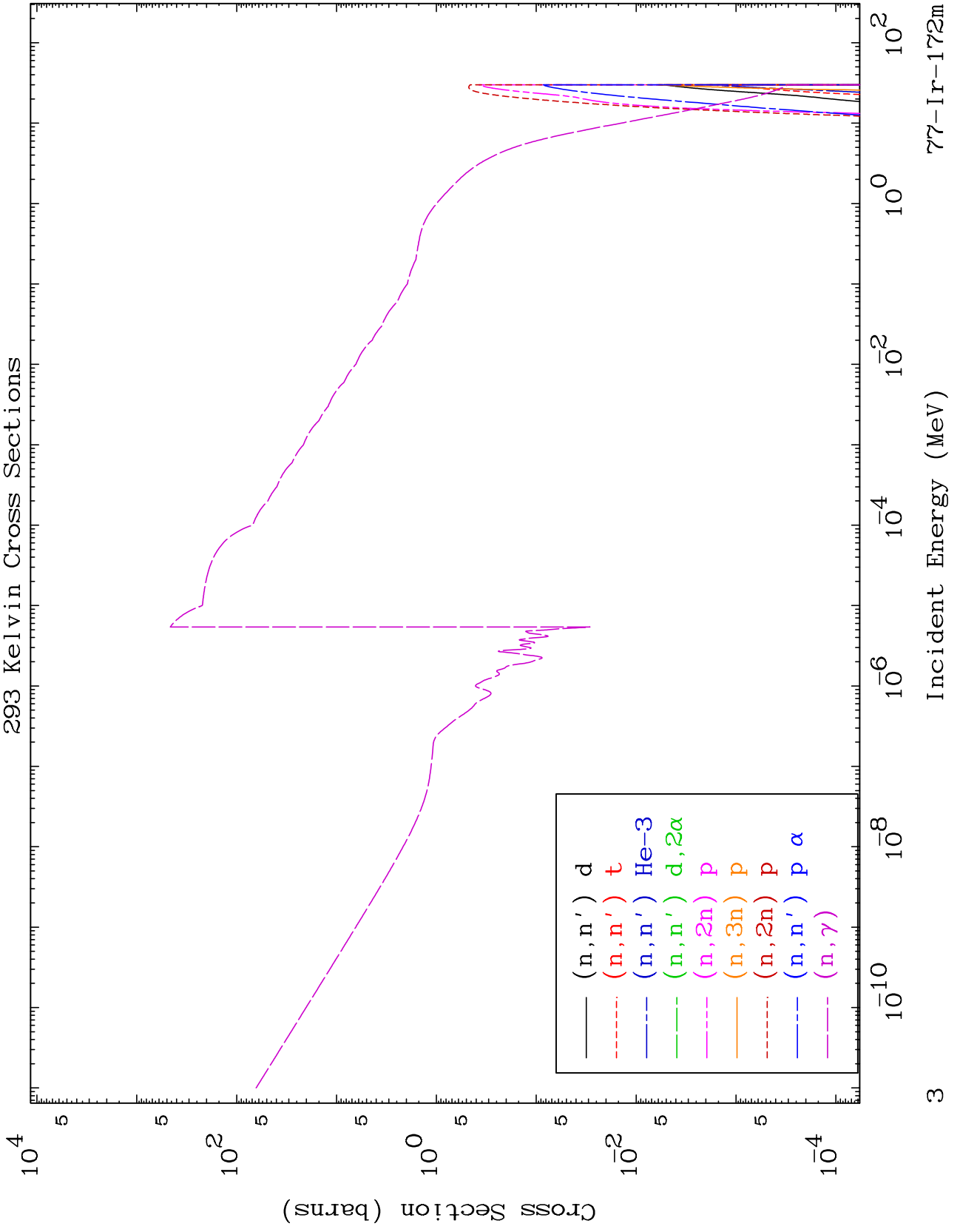
77-Ir-172m



MAT 7669

Neutron Absorption  
293 Kelvin Cross Sections

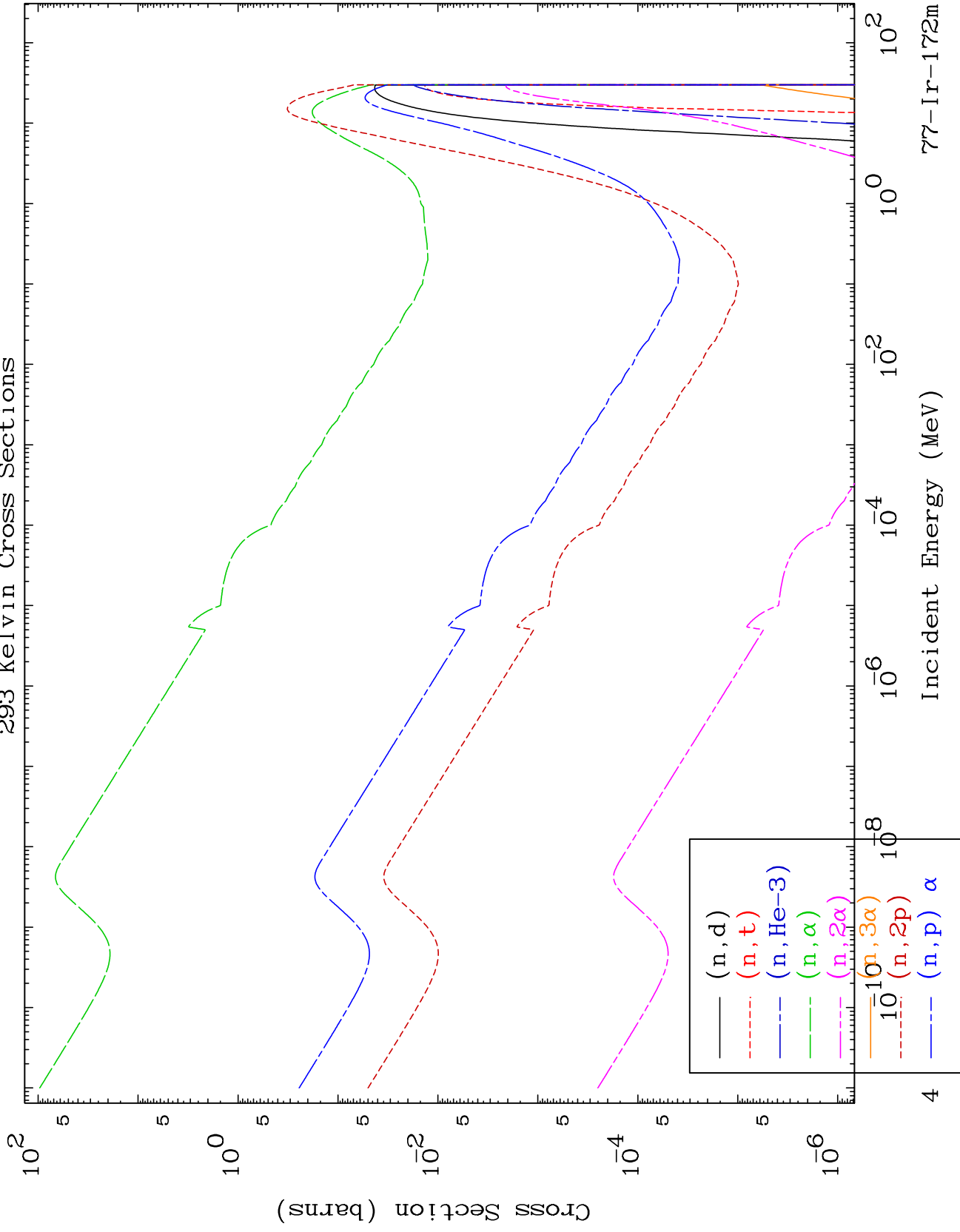
77-Ir-172m



MAT 7669

Neutron Absorption  
293 Kelvin Cross Sections

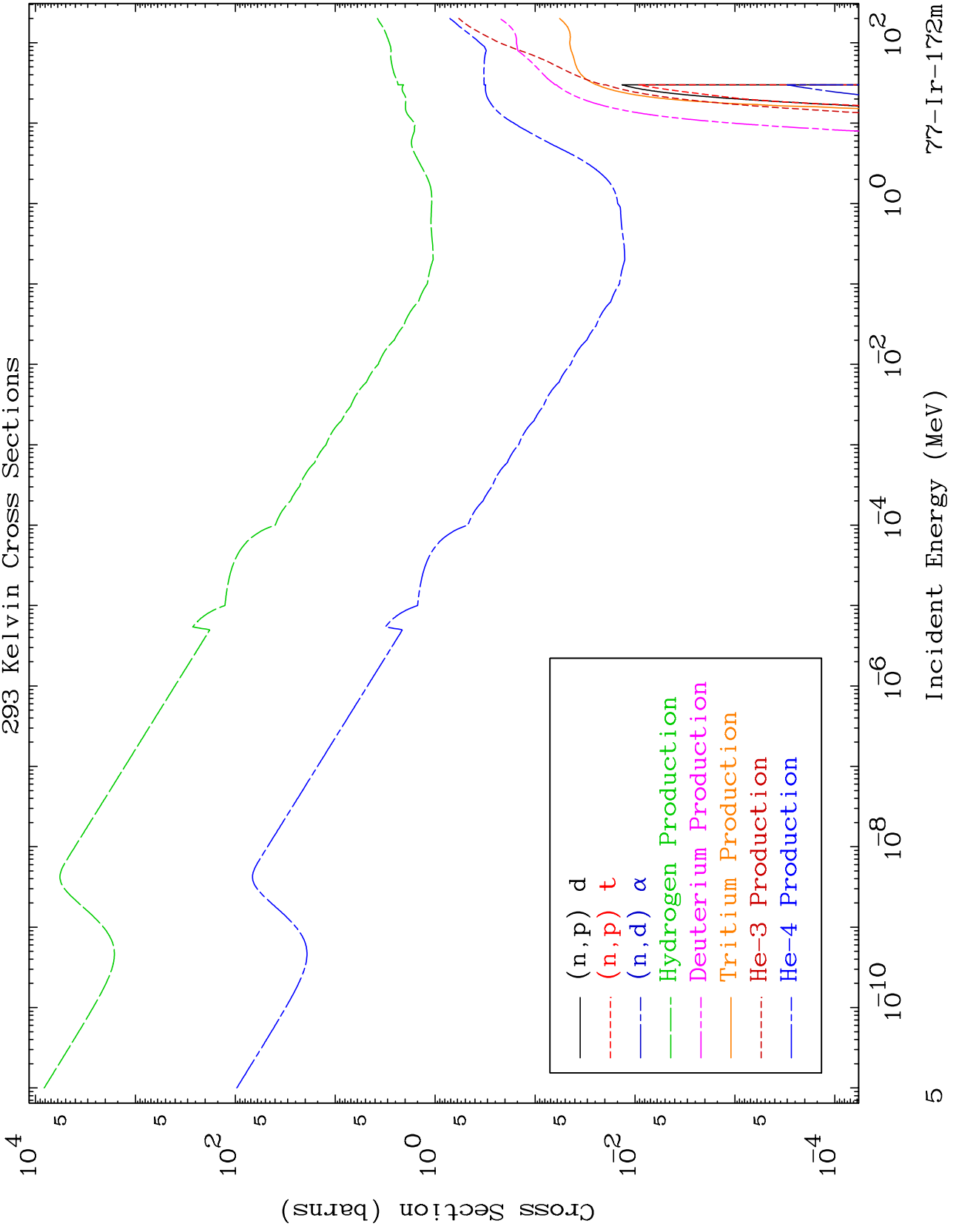
77-Ir-172m



MAT 7669

Neutron Absorption  
293 Kelvin Cross Sections

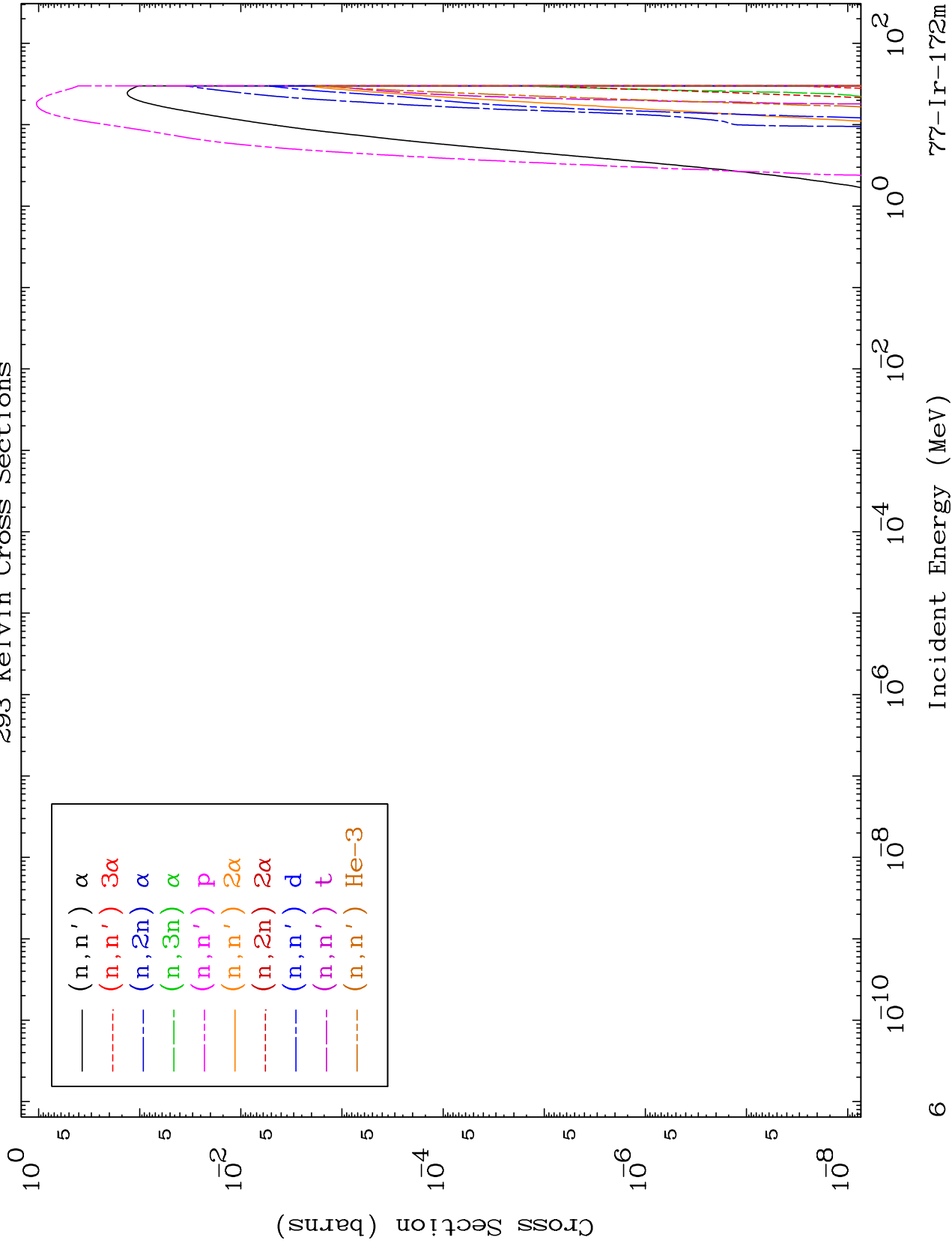
77-Ir-172m

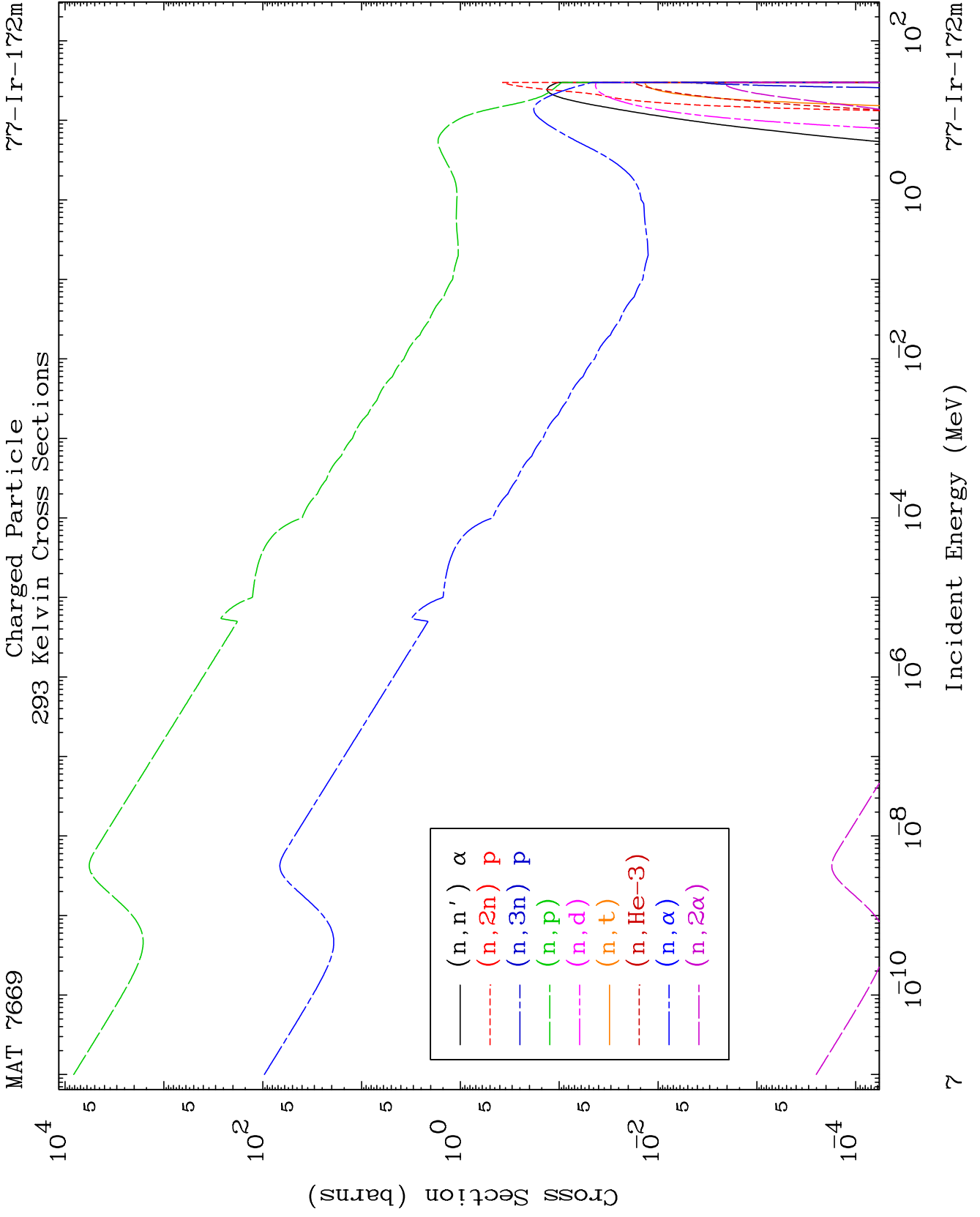


MAT 7669

Charged Particle  
293 Kelvin Cross Sections

77-Ir-172m

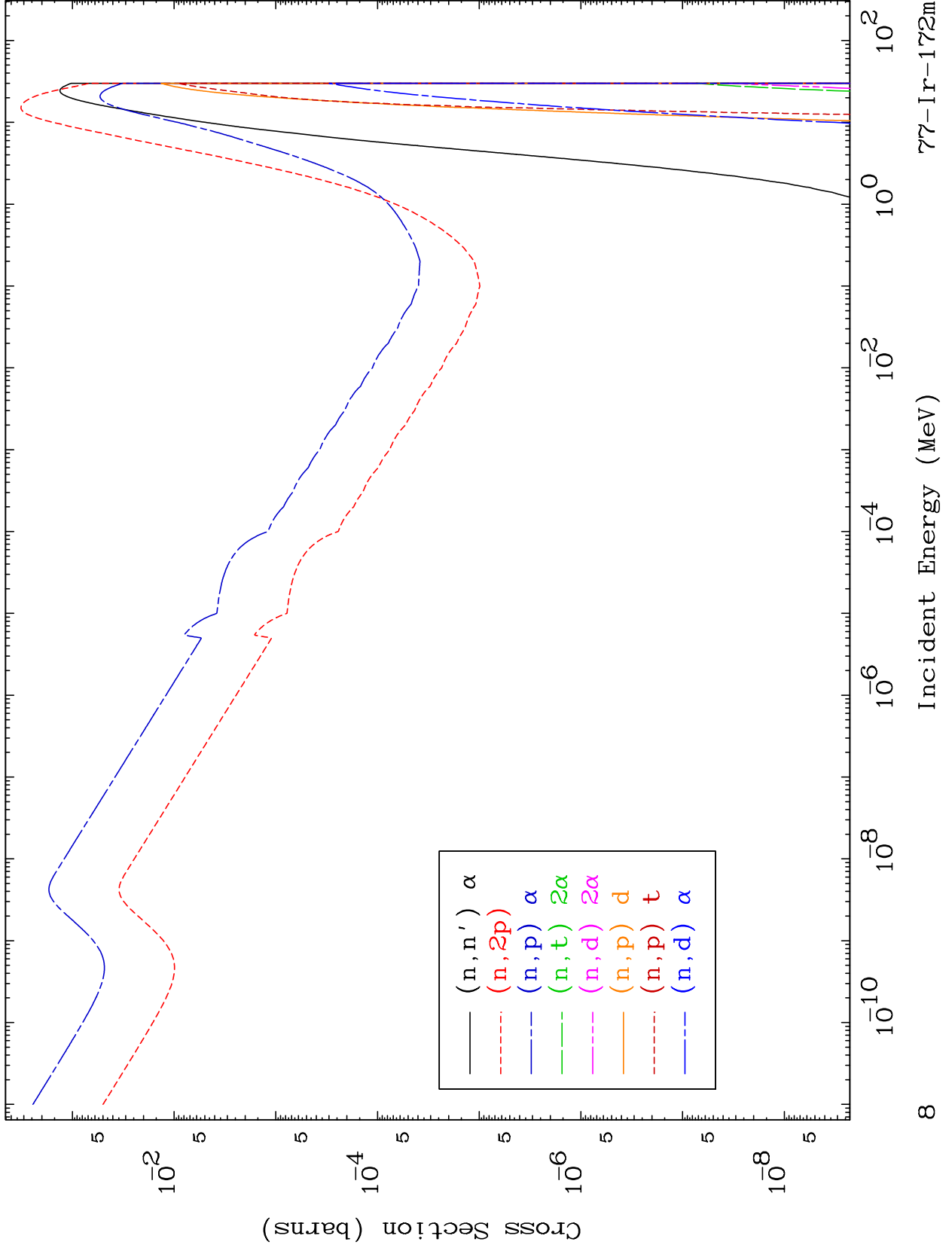




MAT 7669

Charged Particle  
293 Kelvin Cross Sections

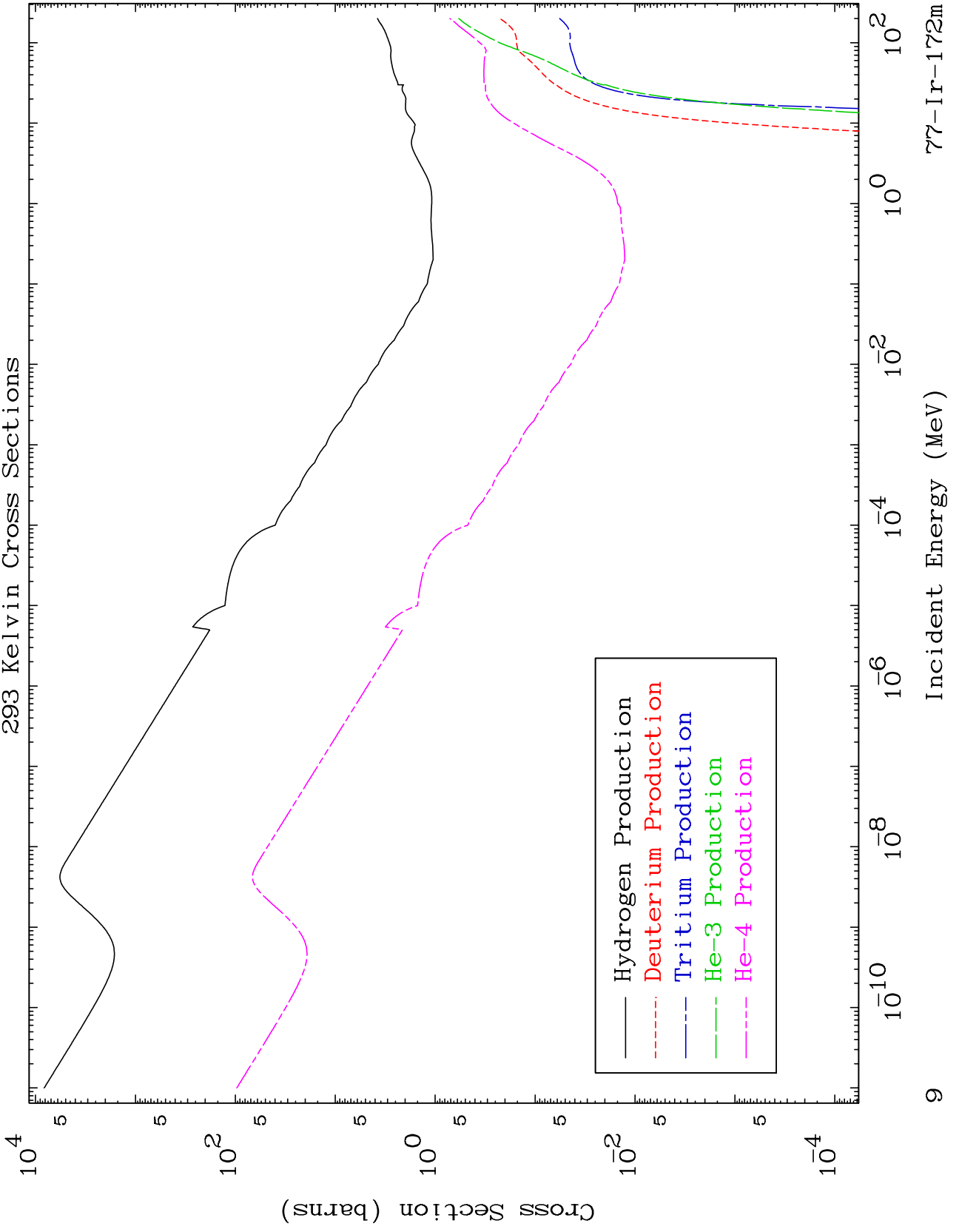
77-Ir-172m



MAT 7669

Particle Production  
293 Kelvin Cross Sections

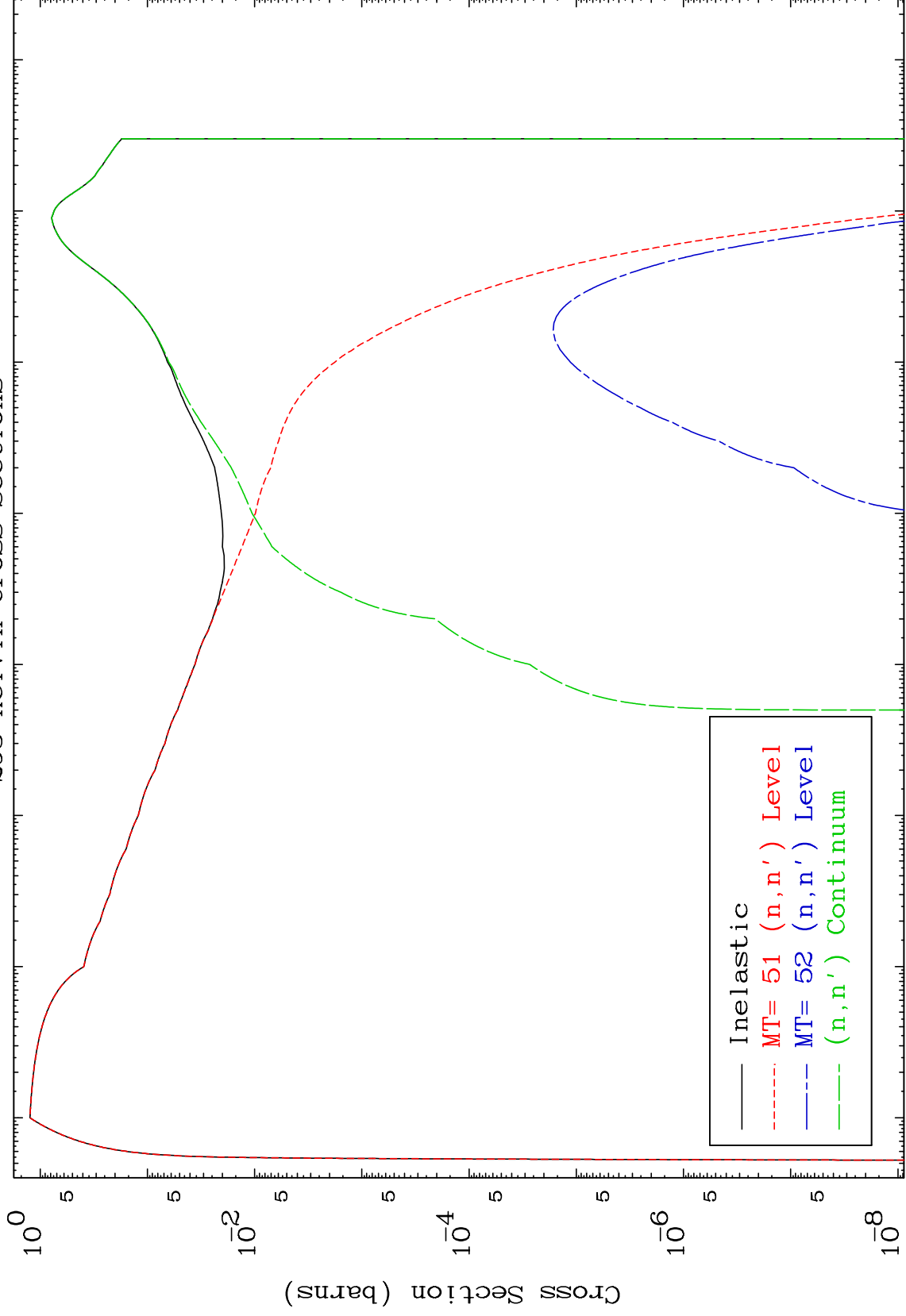
77-Ir-172m



MAT 7669

(n,n') Levels  
293 Kelvin Cross Sections

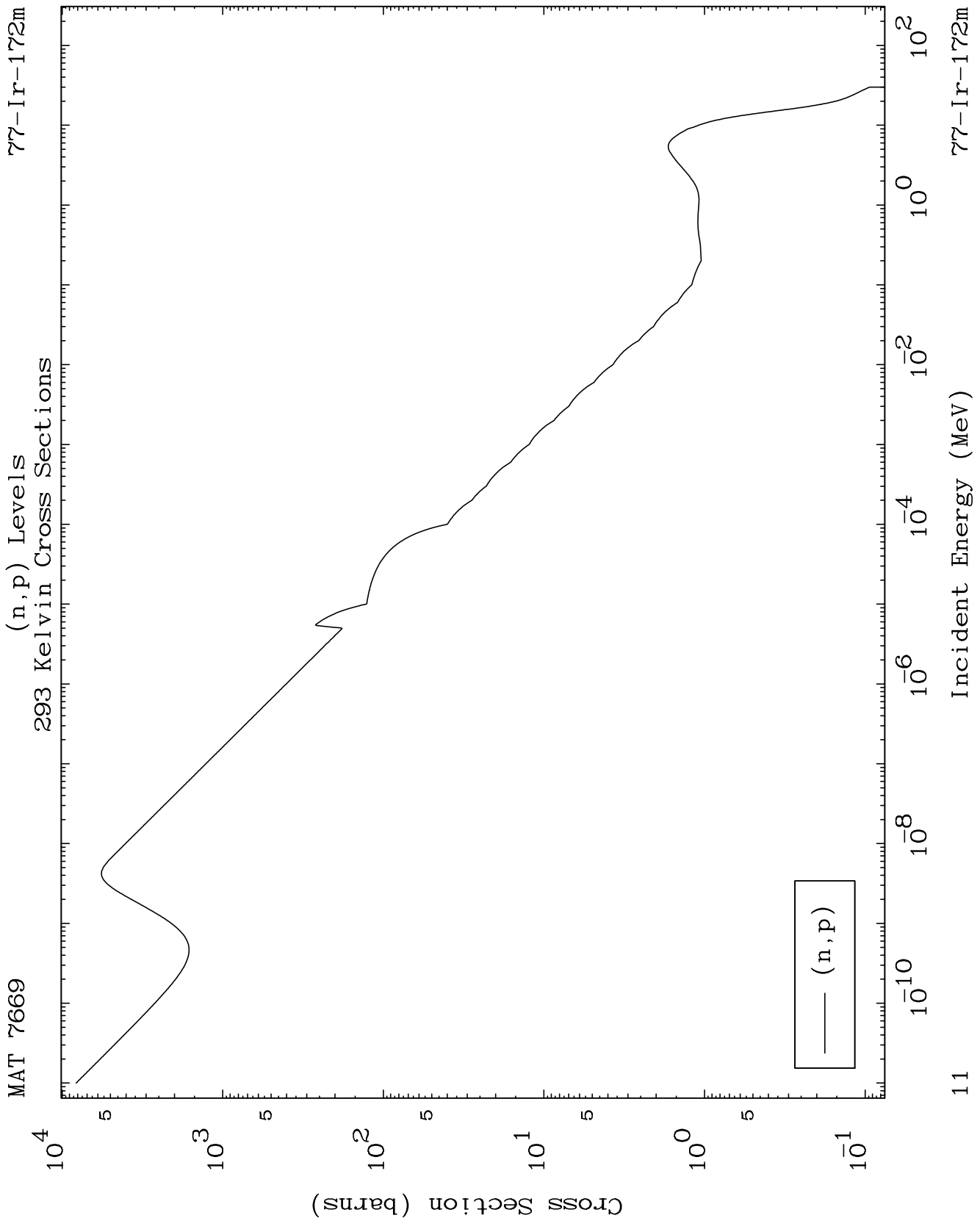
77-Ir-172m



77-Ir-172m

Incident Energy (MeV)

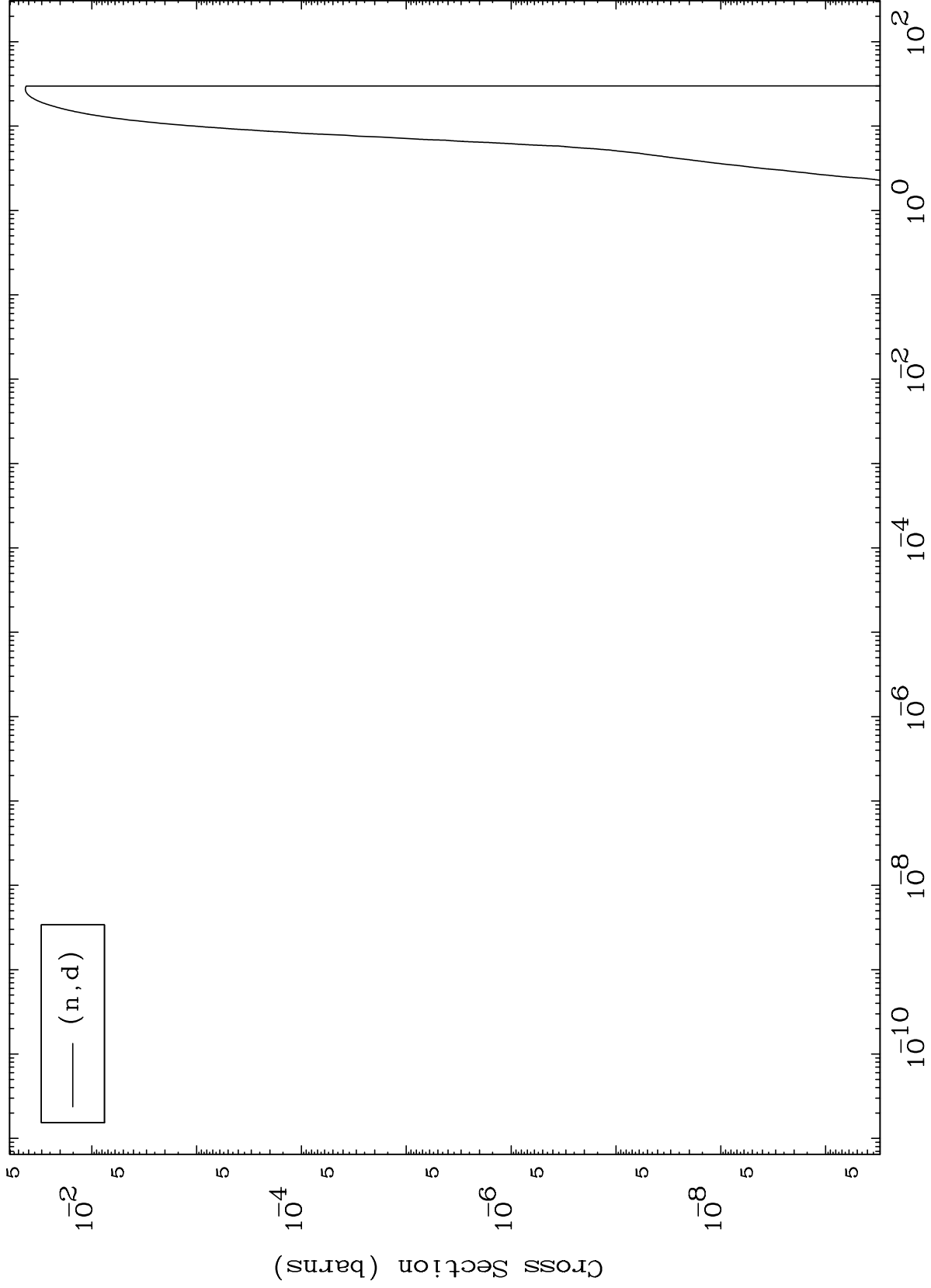
10



MAT 7669

(n,d) Levels  
293 Kelvin Cross Sections

77-Ir-172m



12

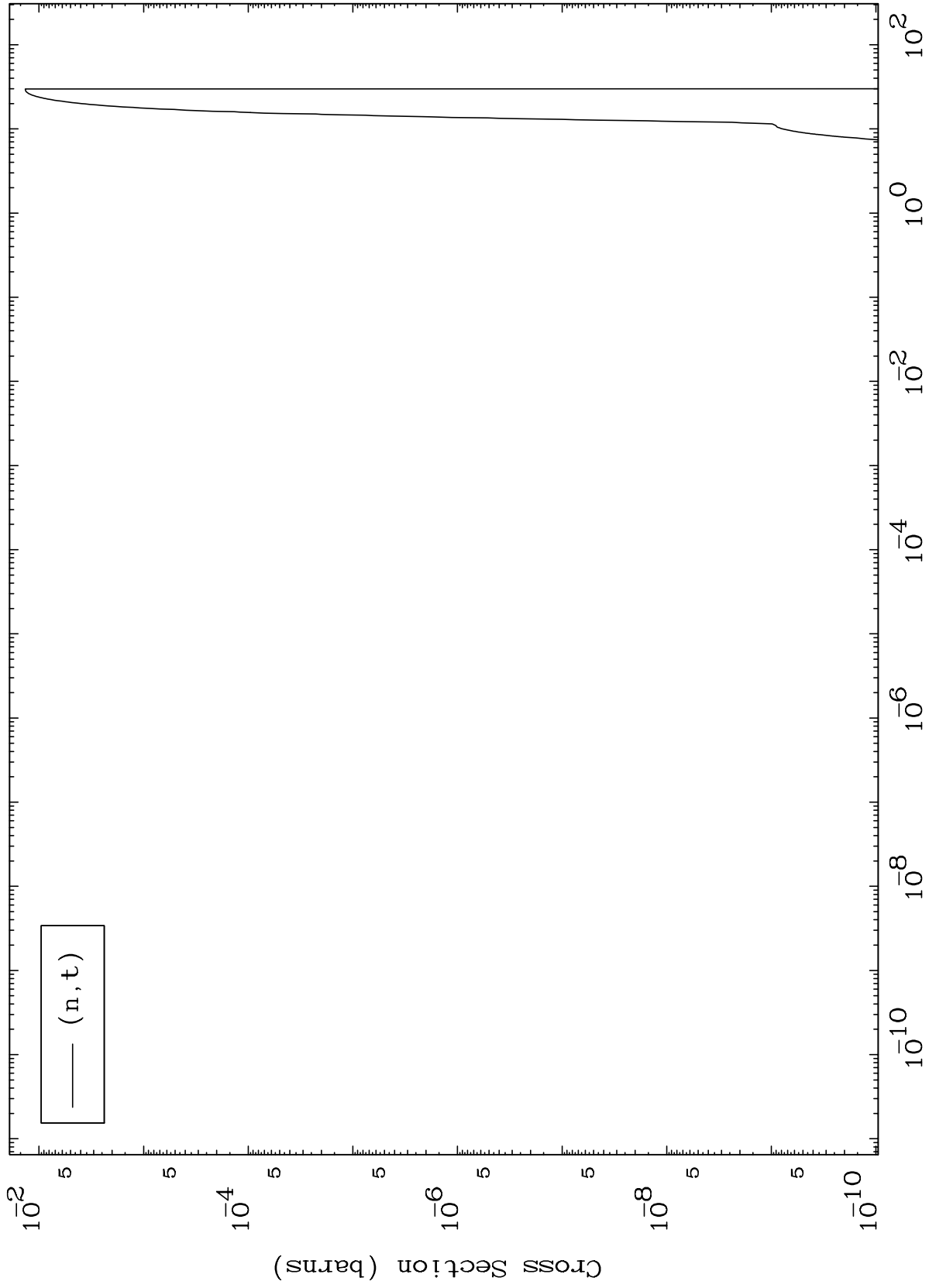
Incident Energy (MeV)

77-Ir-172m

MAT 7669

(n,t) Levels  
293 Kelvin Cross Sections

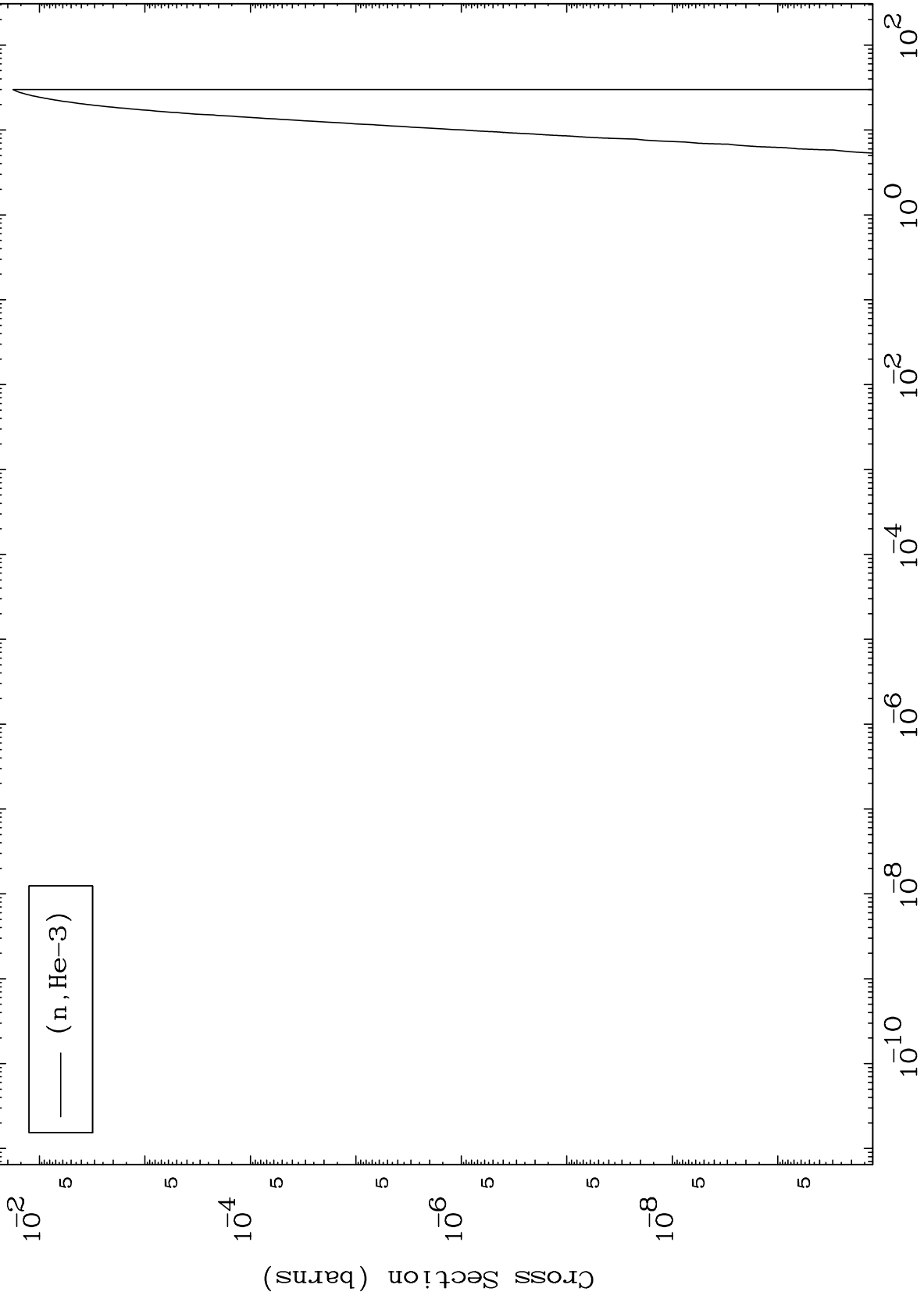
77-Ir-172m

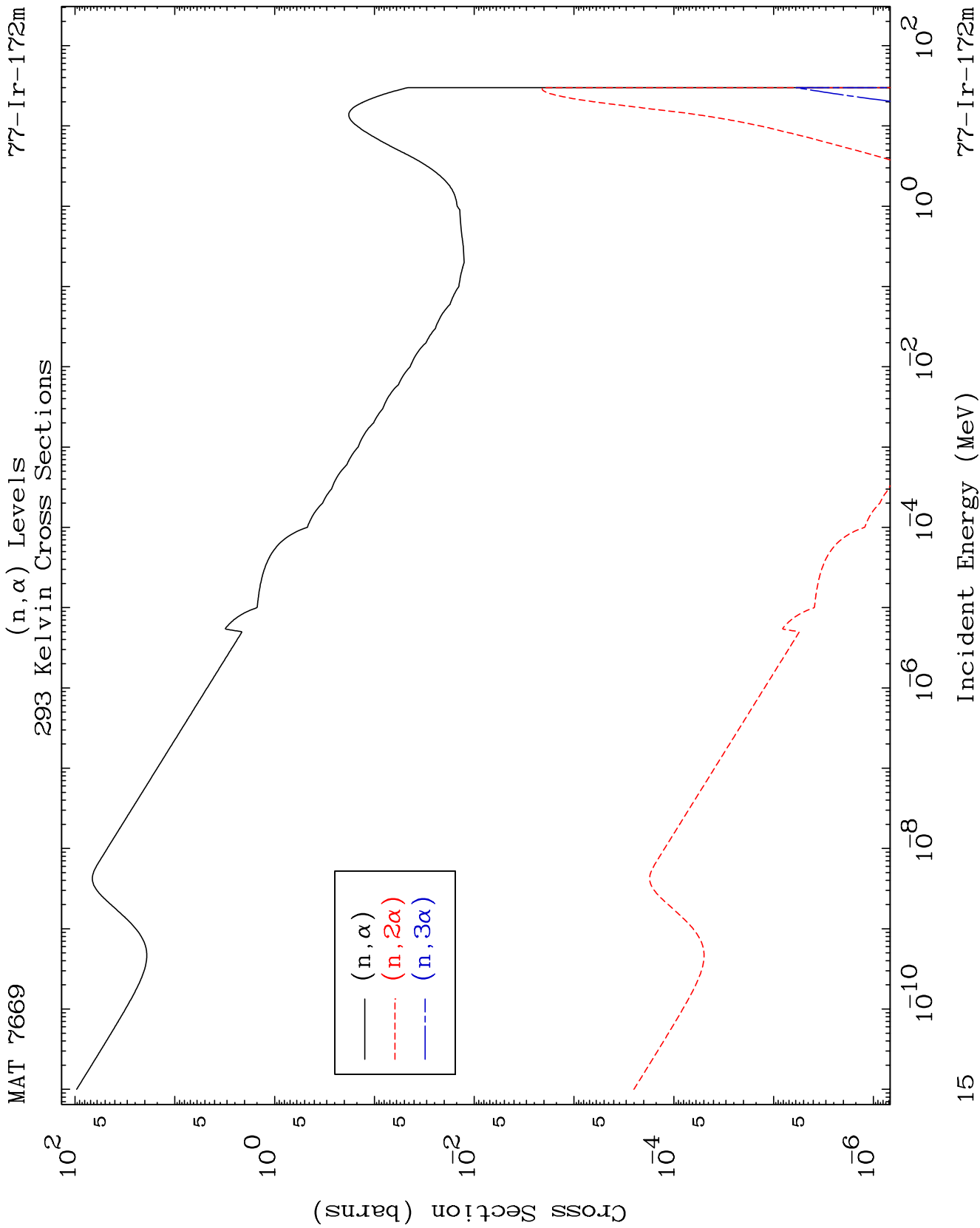


MAT 7669

(n,He3) Levels  
293 Kelvin Cross Sections

77-Ir-172m



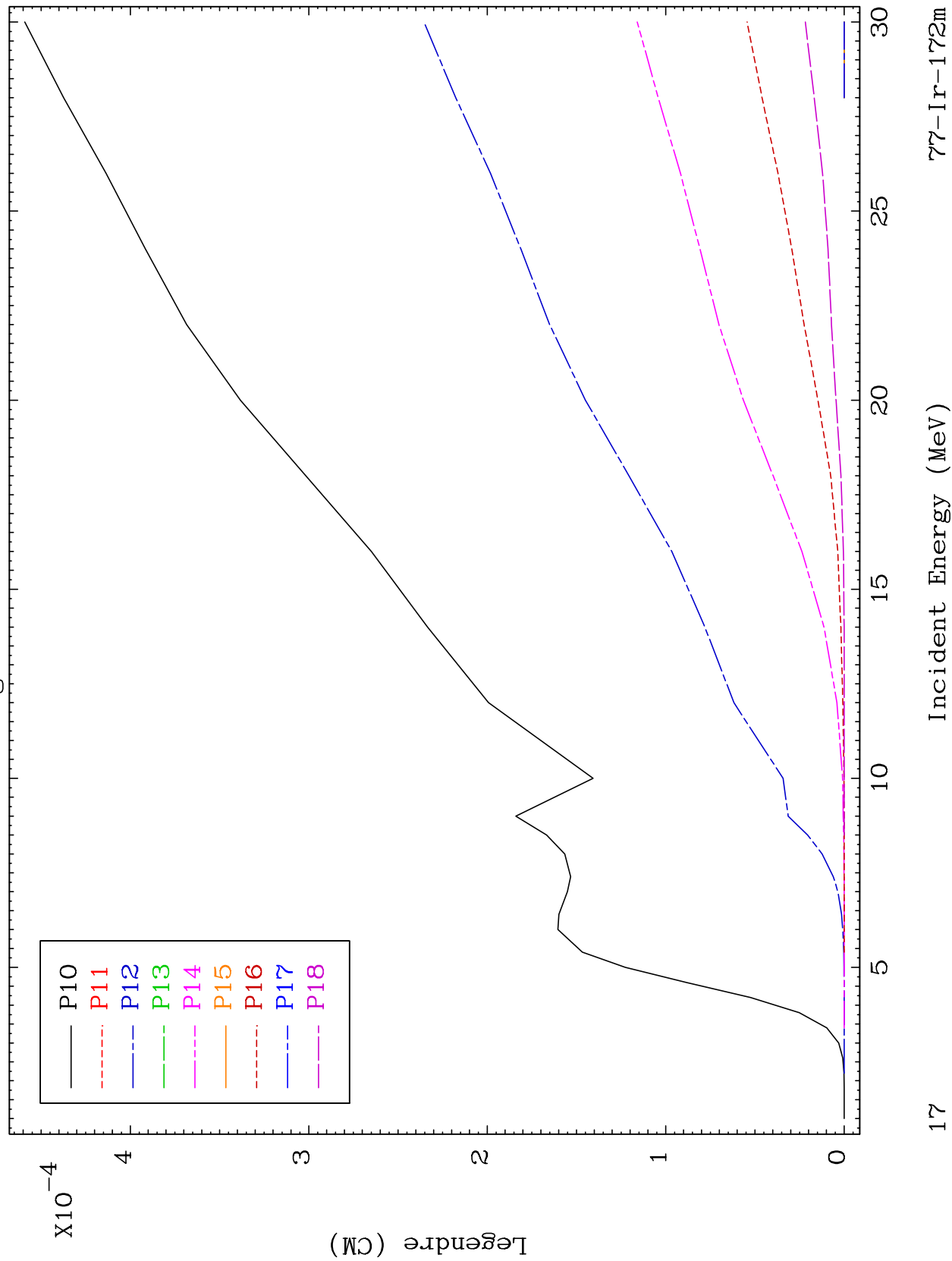




MAT 7669

Elastic Legendre Coefficients

77-Ir-172m



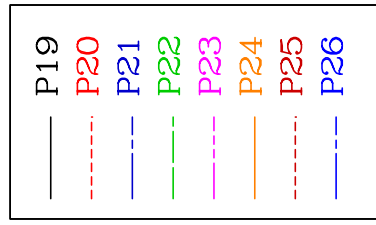
17

77-Ir-172m

MAT 7669

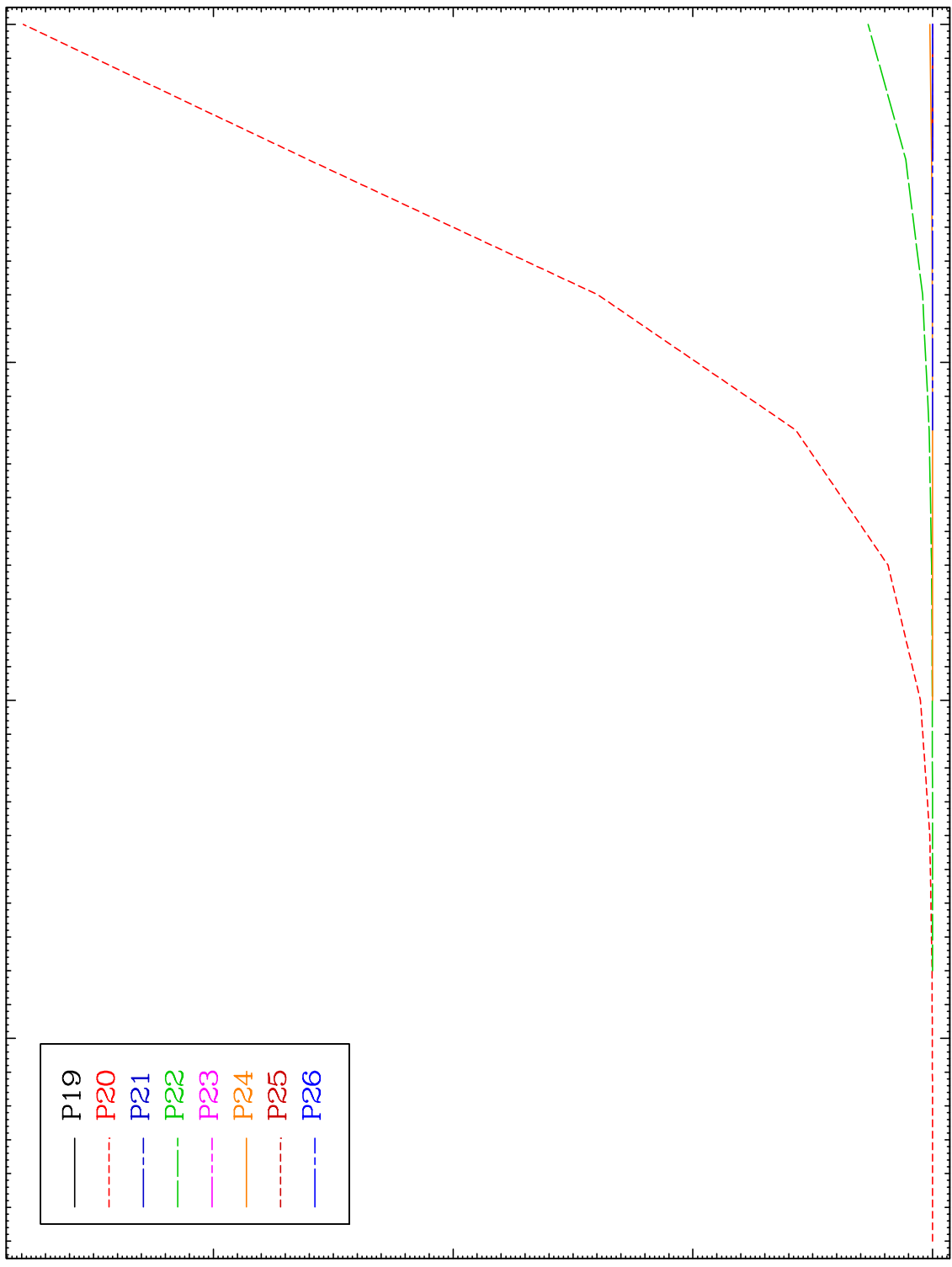
Elastic  
Legendre Coefficients

77-Ir-172m



$\times 10^{-6}$

Legendre (CM)



18

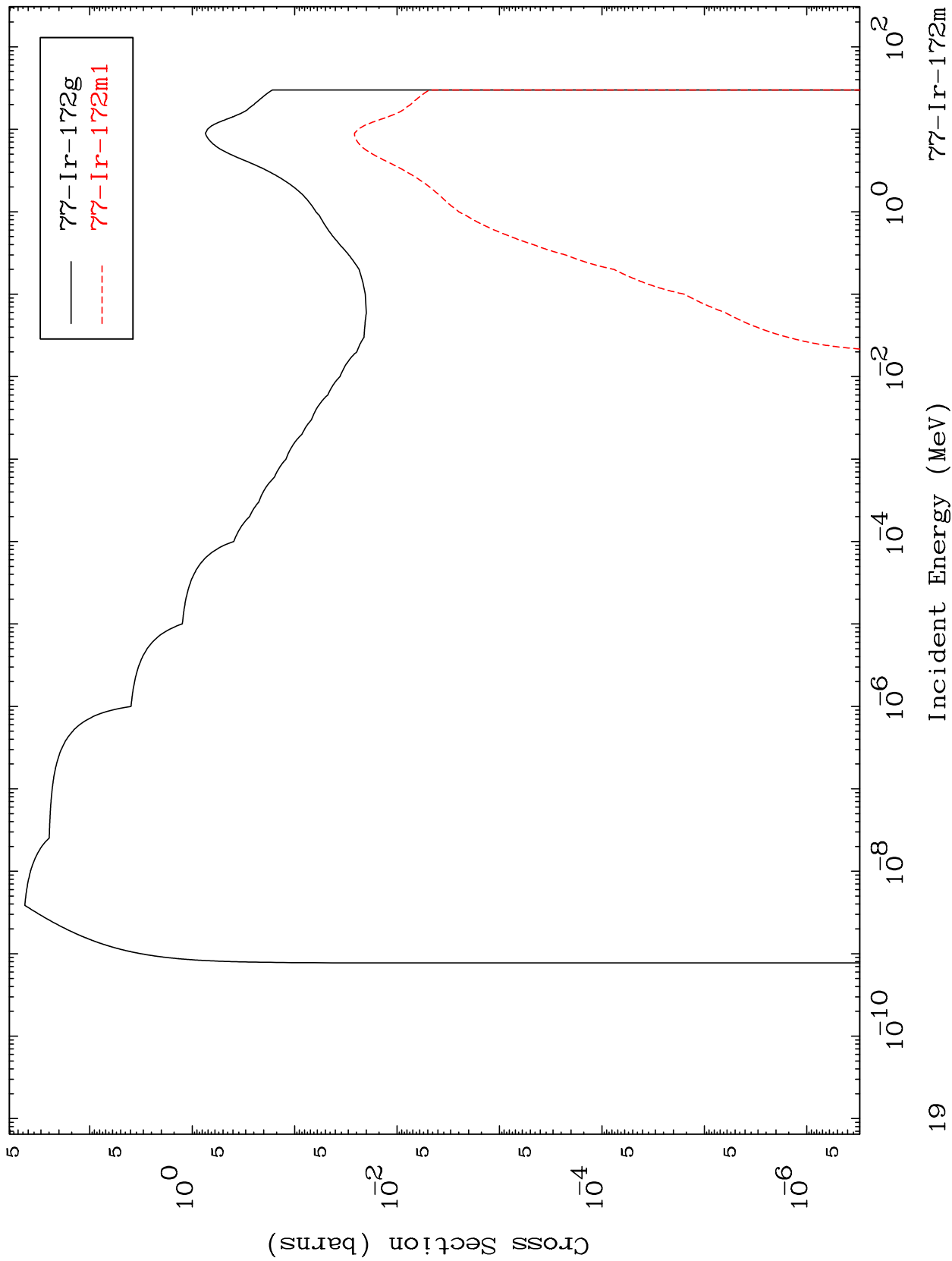
Incident Energy (MeV)

77-Ir-172m

MAT 7669

<sup>77</sup>Ir-172m

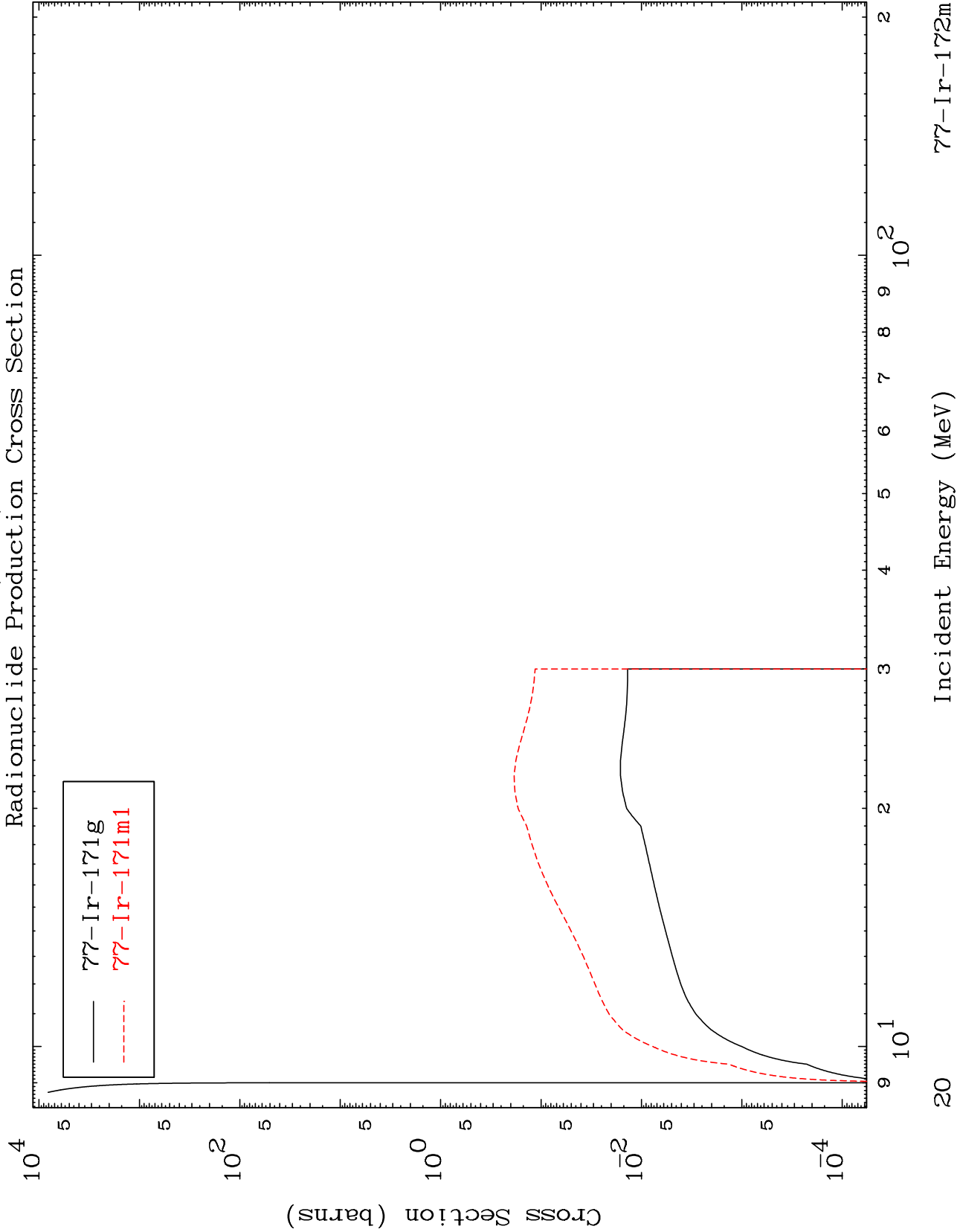
Inelastic  
Radionuclide Production Cross Section



MAT 7669

(n,2n)

<sup>77</sup>Ir-172m



20

Incident Energy (MeV)

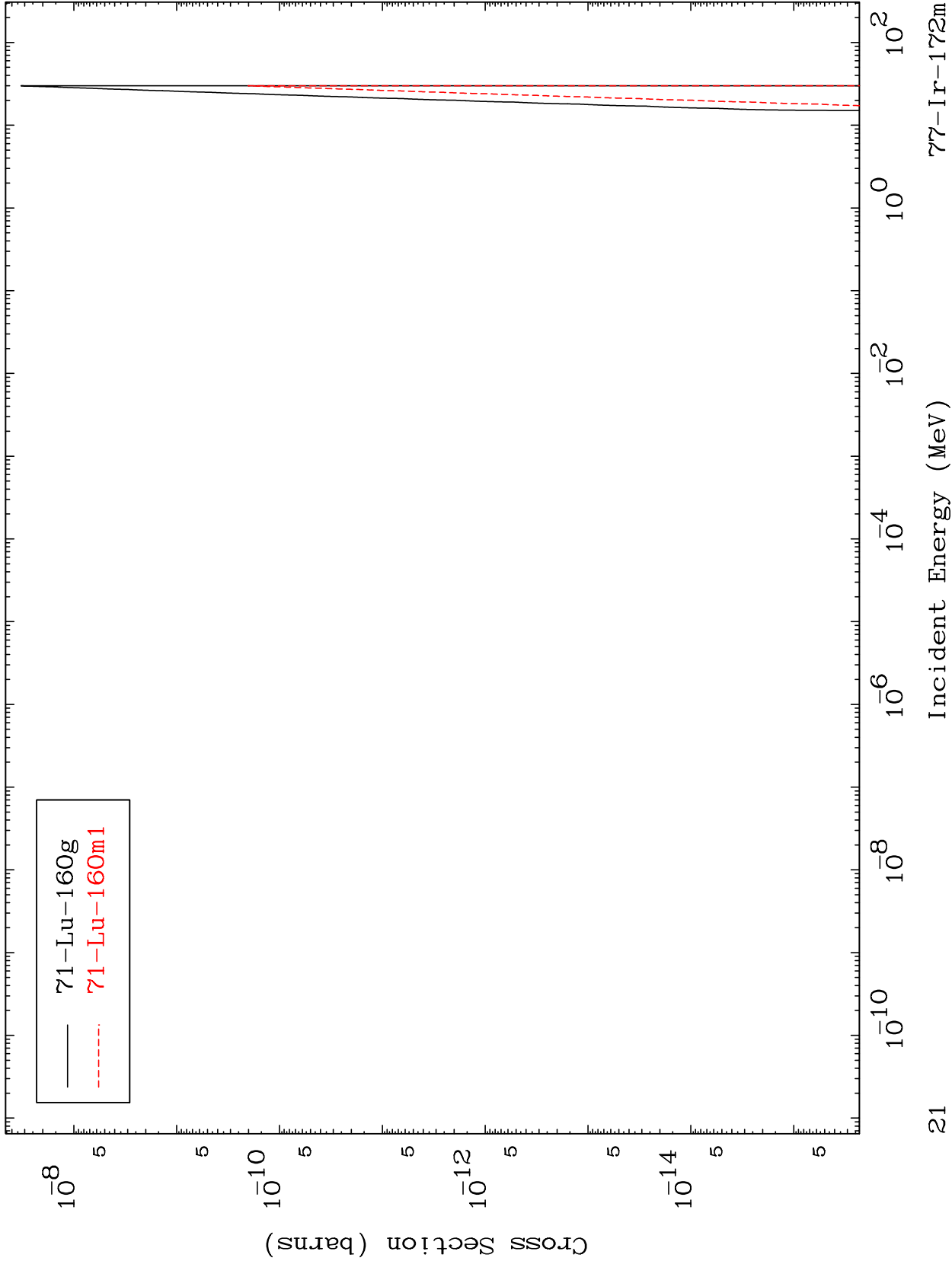
<sup>77</sup>Ir-172m

MAT 7669

(n,n') 3 $\alpha$

77-Ir-172m

Radionuclide Production Cross Section

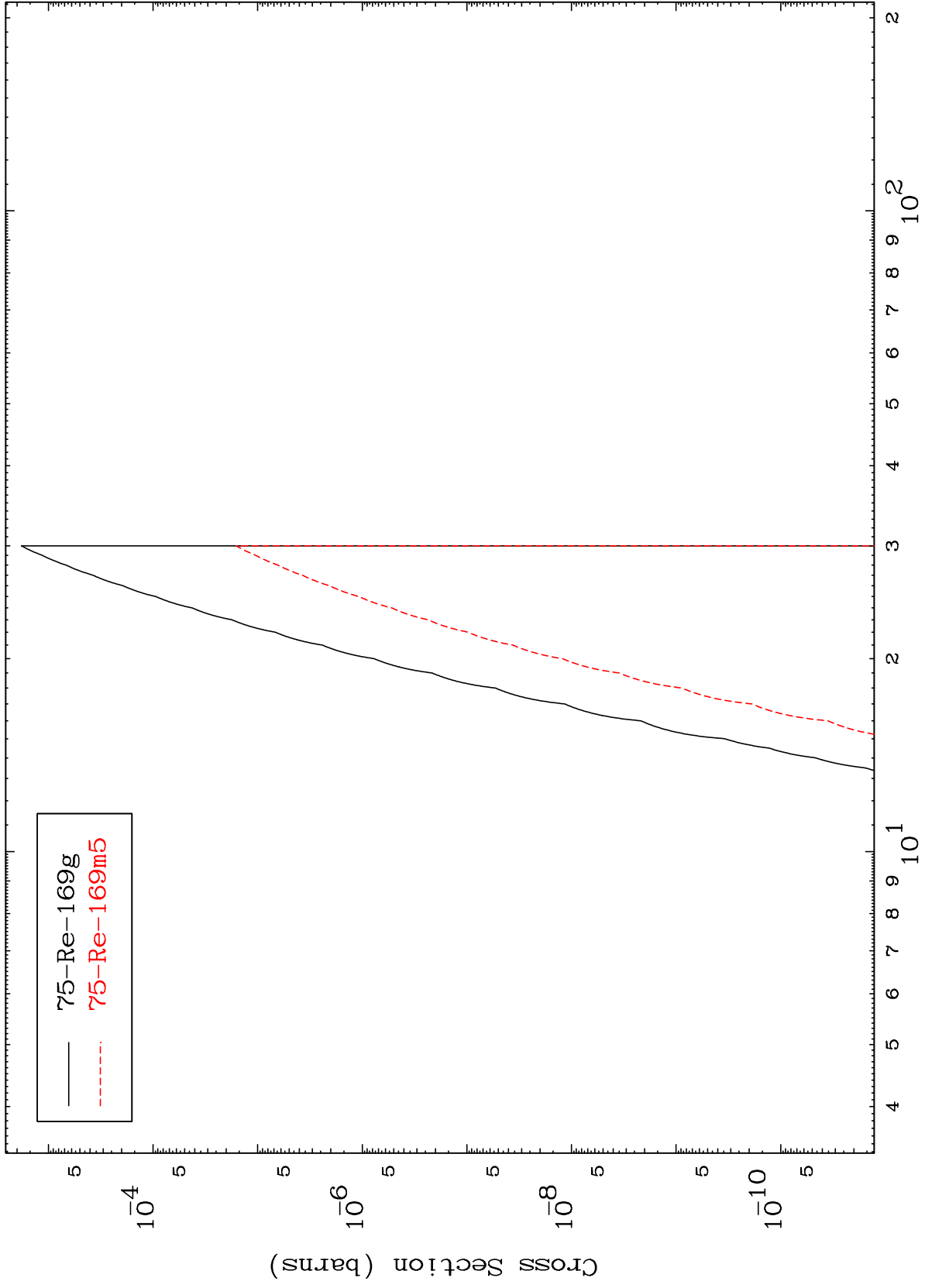


MAT 7669

(n,n') He-3

77-Ir-172m

Radionuclide Production Cross Section



75-Re-169g  
75-Re-169m5

MAT 7669

<sup>77</sup>Ir-172m

Radionuclide Production Cross Section

(n,  $\gamma$ )



— <sup>77</sup>Ir-173g  
- - - <sup>77</sup>Ir-173m3

<sup>77</sup>Ir-172m

Incident Energy (MeV)

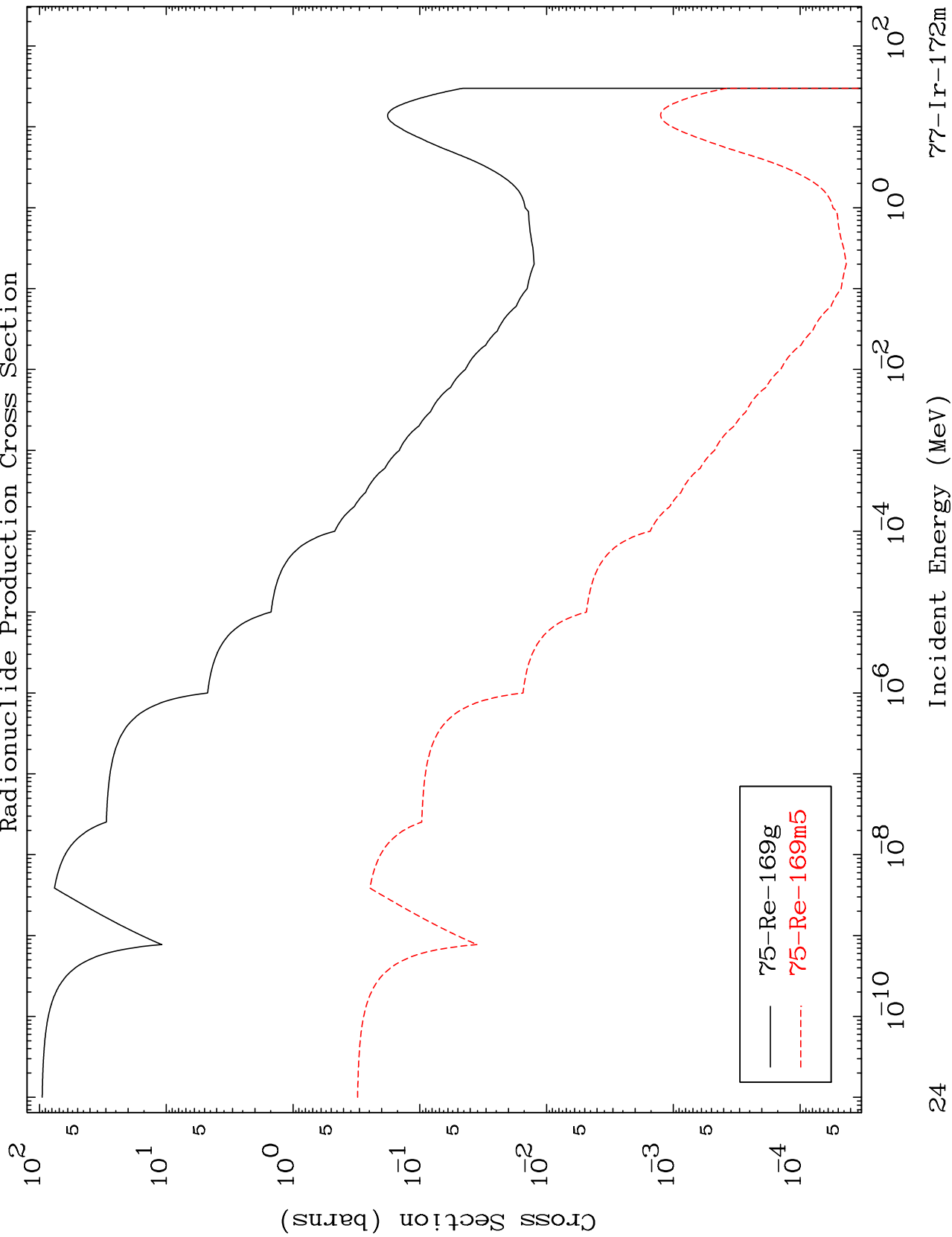
23

MAT 7669

(n,  $\alpha$ )

77-Ir-172m

Radionuclide Production Cross Section

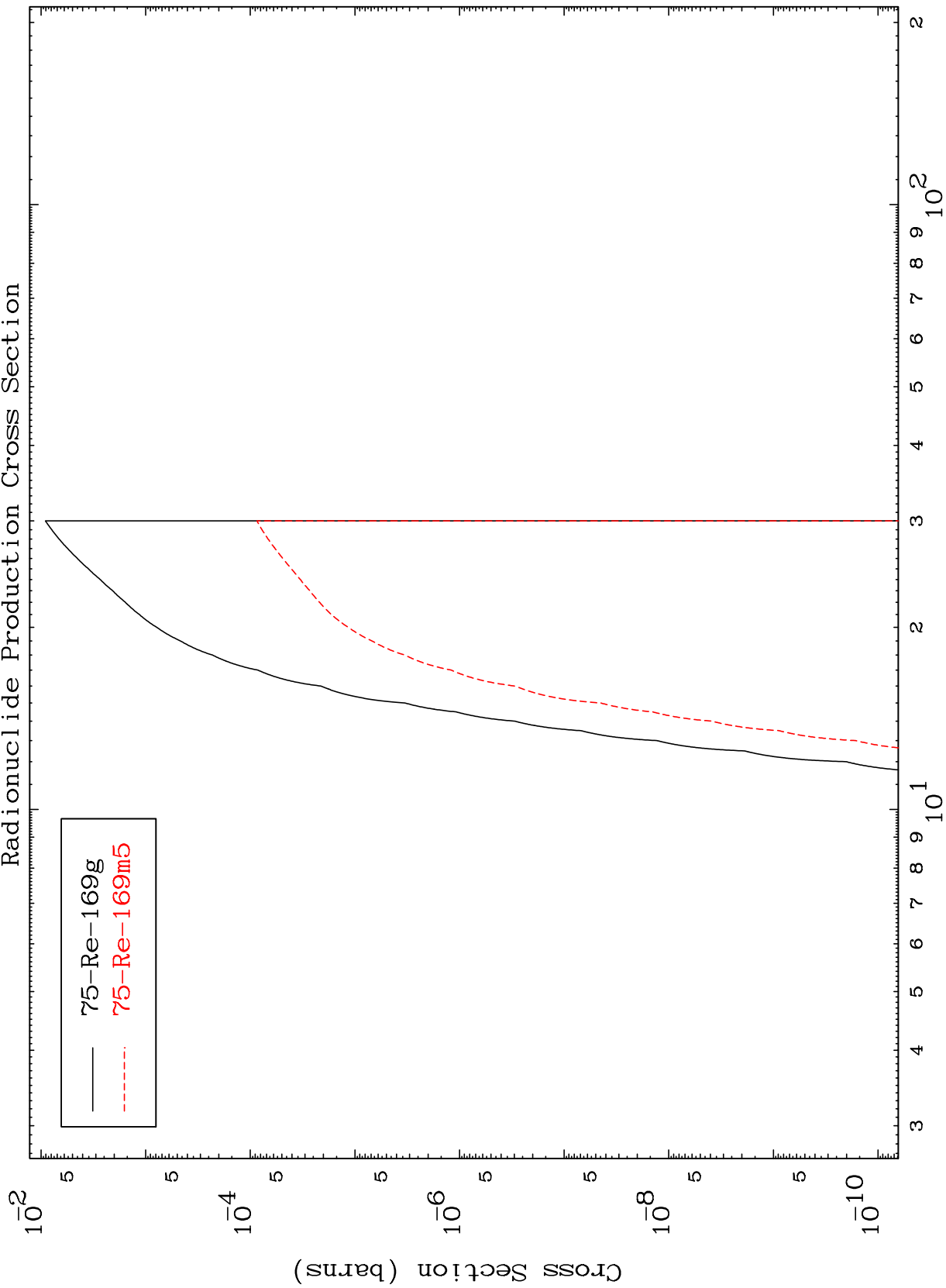


MAT 7669

(n,p) t

<sup>77</sup>Ir-172m

Radionuclide Production Cross Section



Incident Energy (MeV)

<sup>77</sup>Ir-172m

25