

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

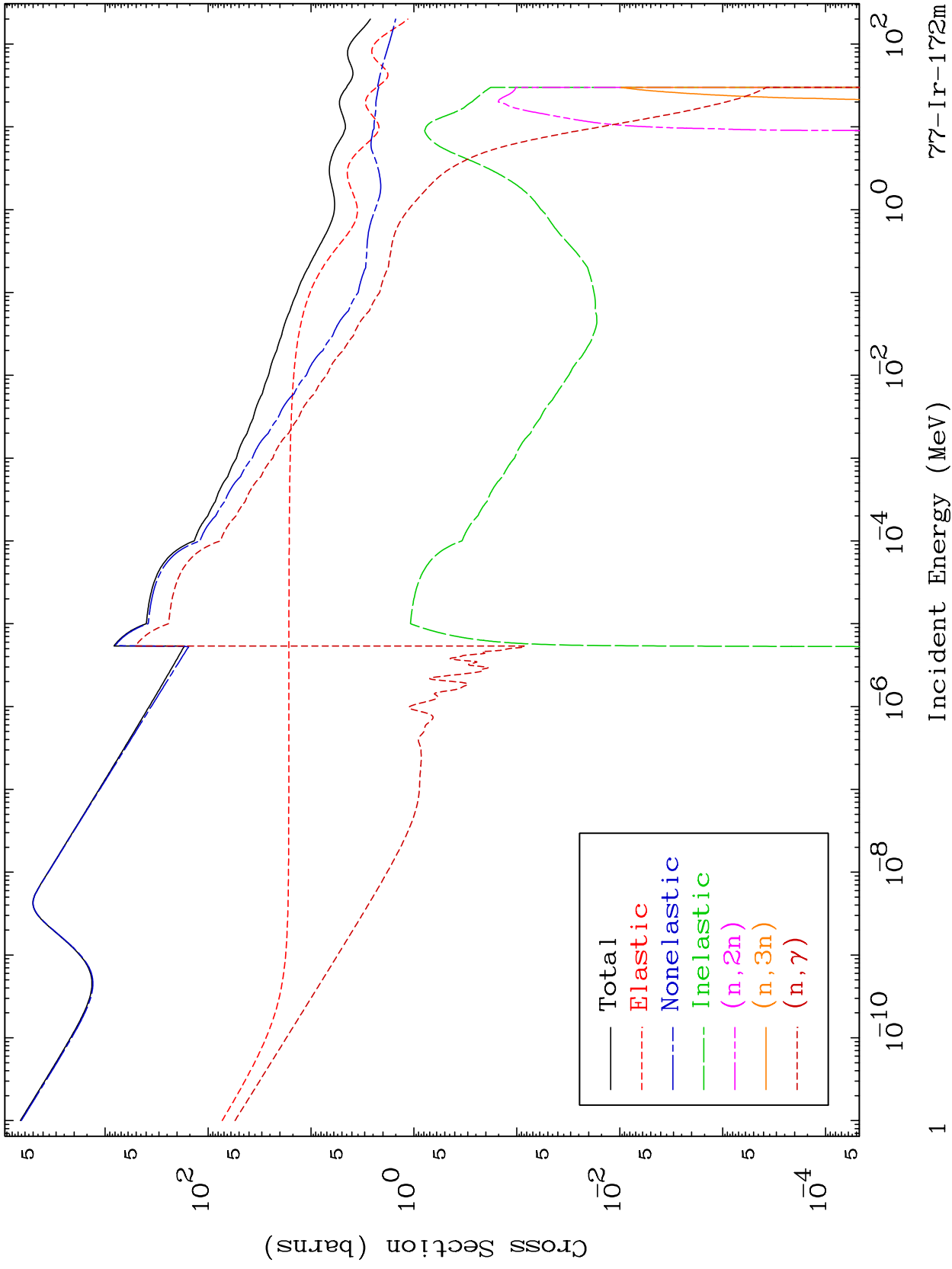
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7669

Neutron Major  
293 Kelvin Cross Sections

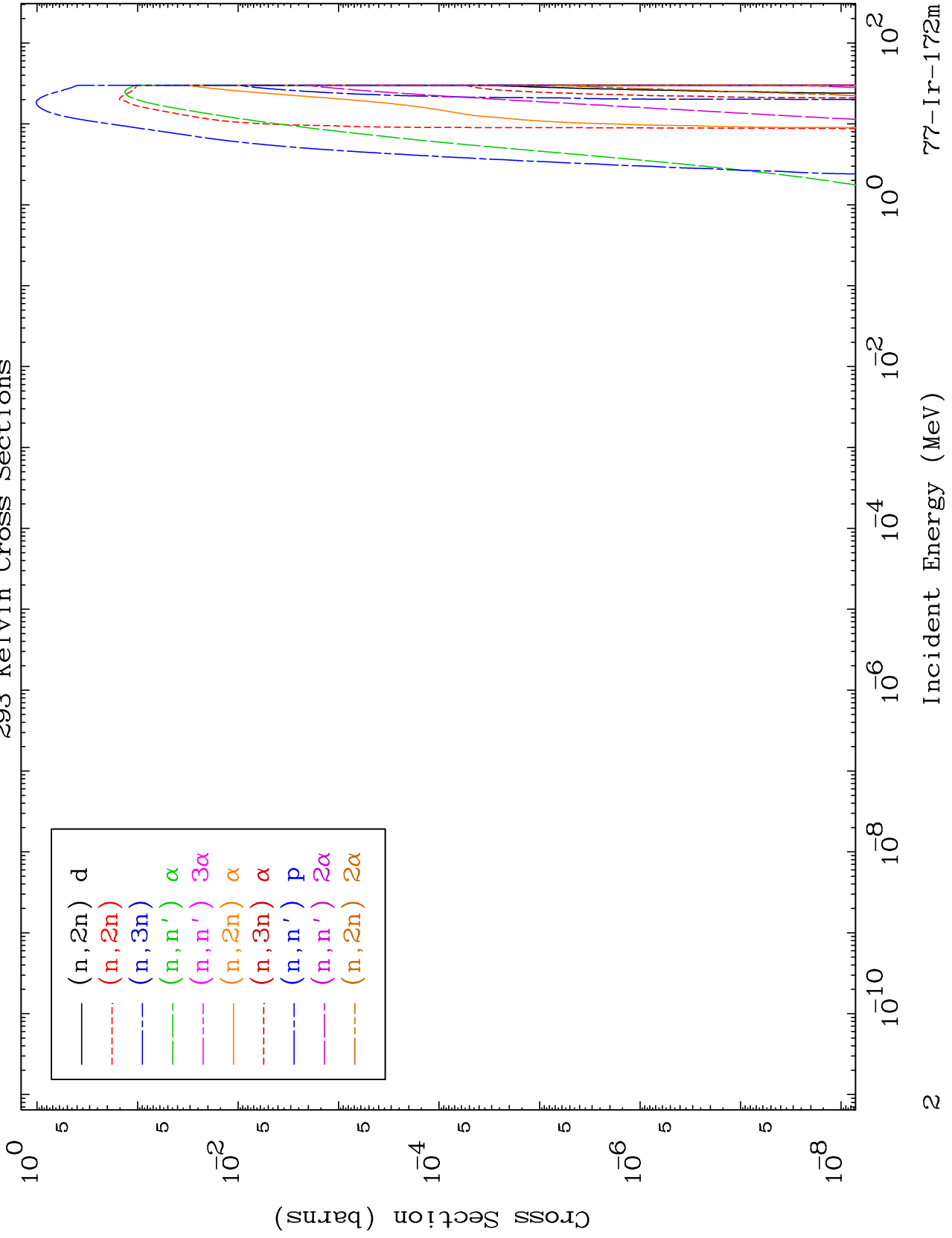
77-Ir-172m



MAT 7669

Neutron Absorption  
293 Kelvin Cross Sections

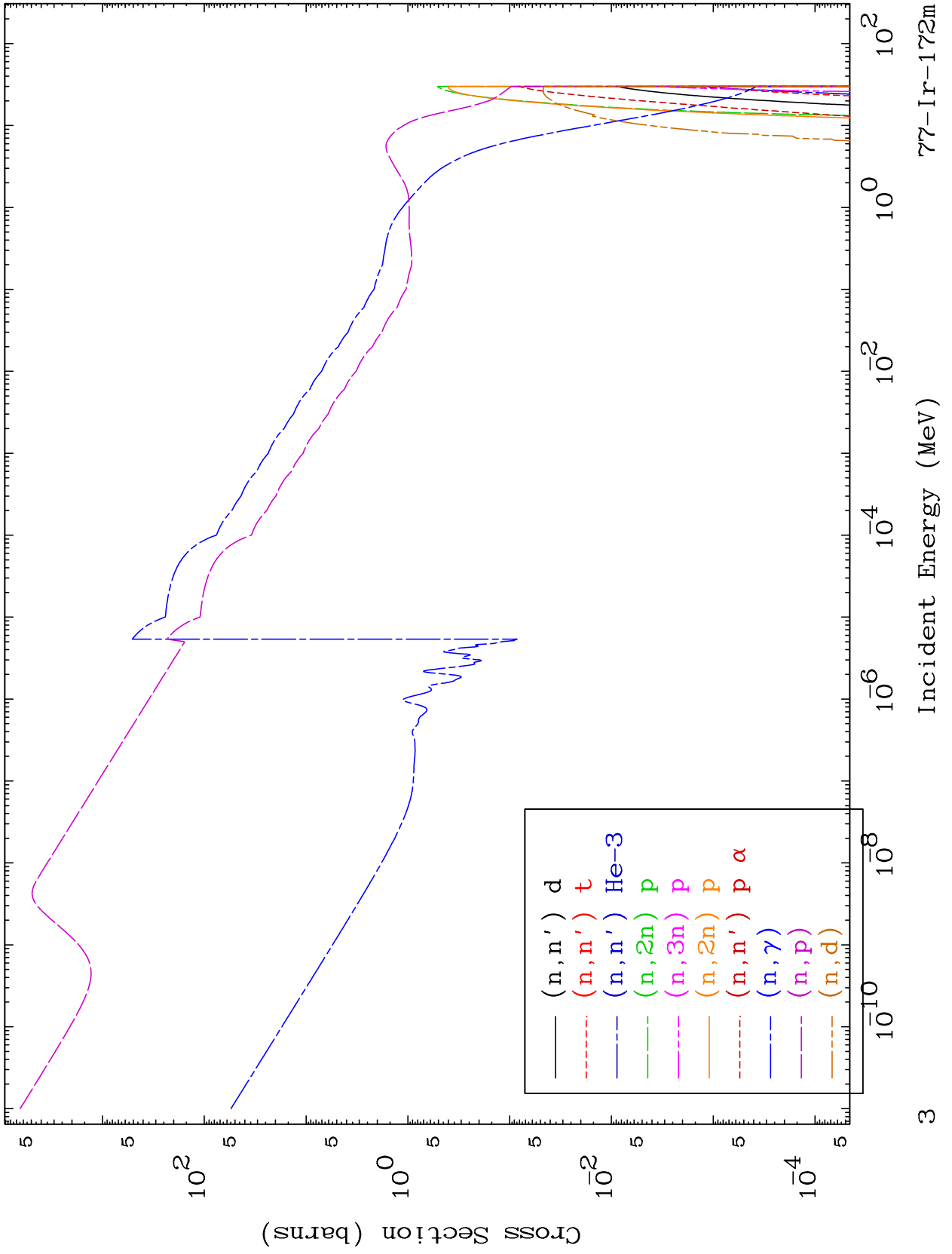
77-Ir-172m



MAT 7669

Neutron Absorption  
293 Kelvin Cross Sections

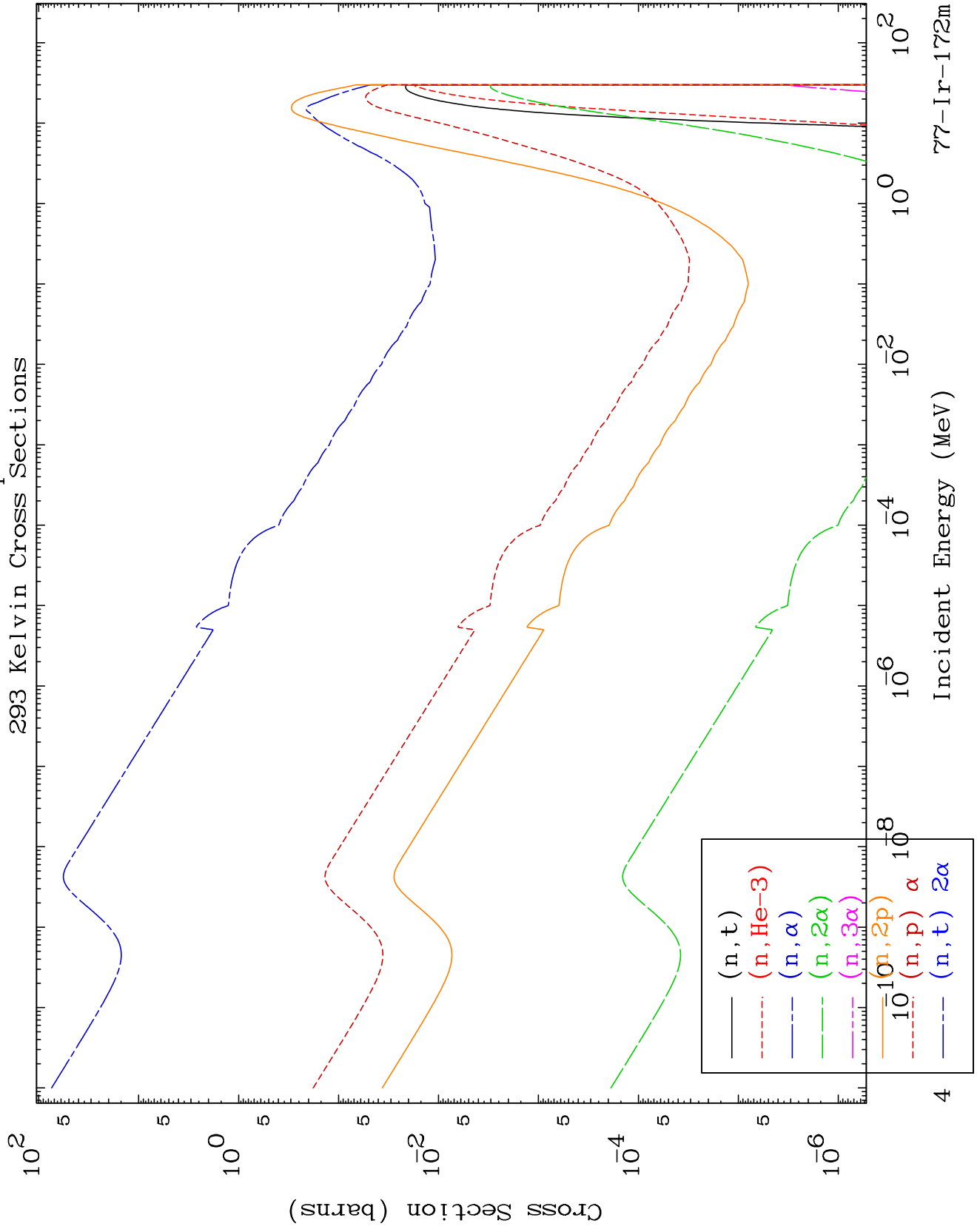
77-Ir-172m



MAT 7669

Neutron Absorption  
293 Kelvin Cross Sections

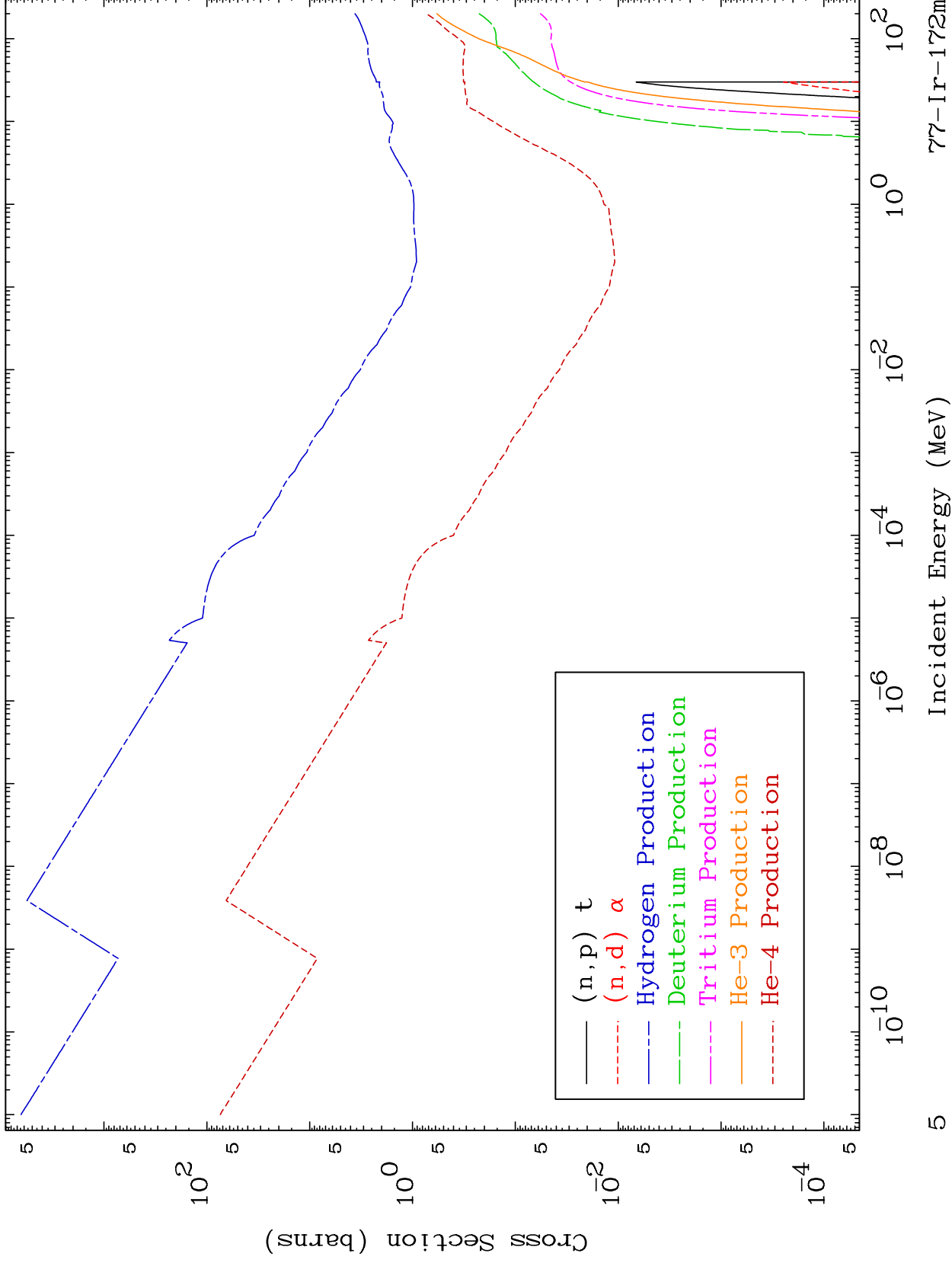
77-Ir-172m



MAT 7669

Neutron Absorption  
293 Kelvin Cross Sections

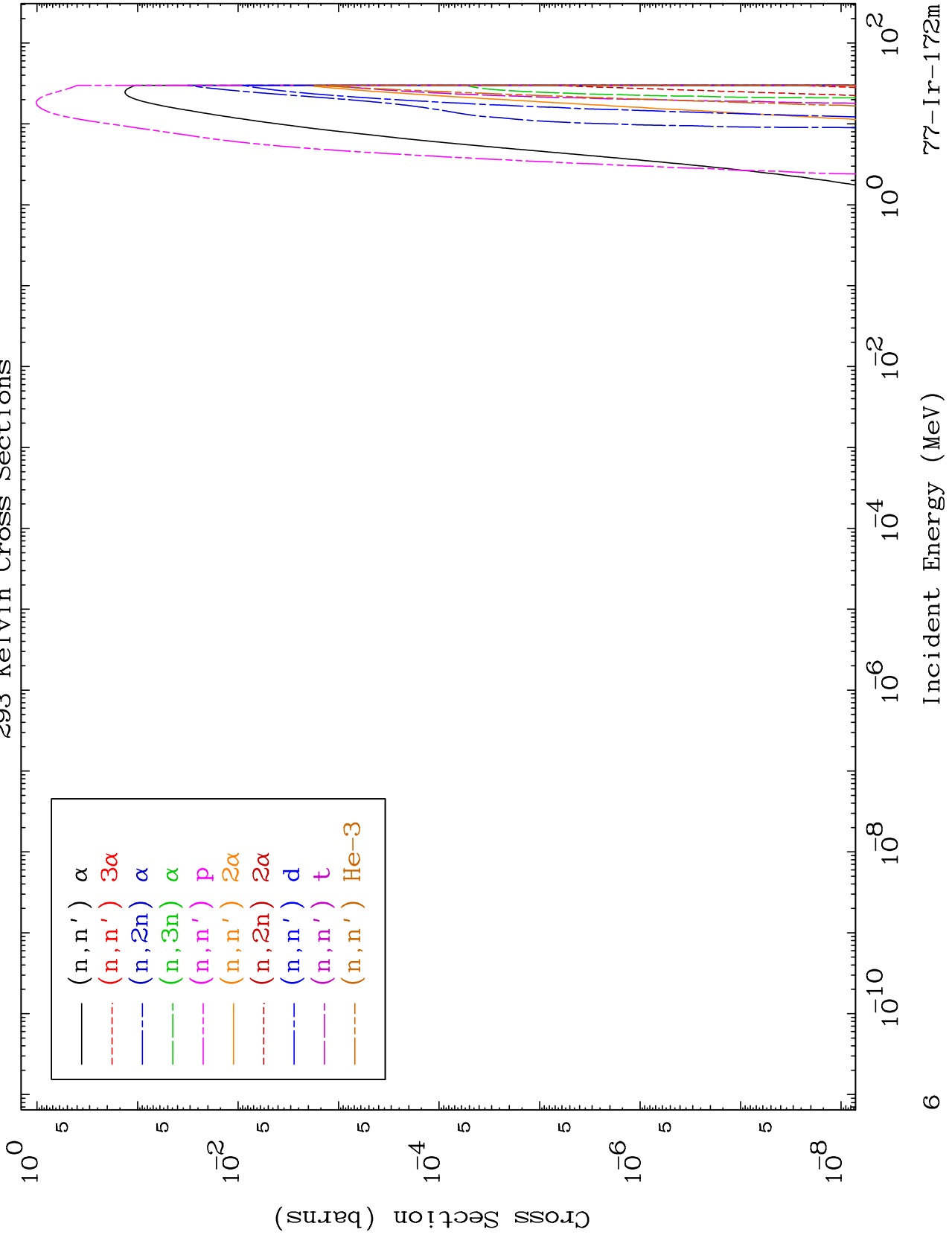
77-Ir-172m



MAT 7669

Charged Particle  
293 Kelvin Cross Sections

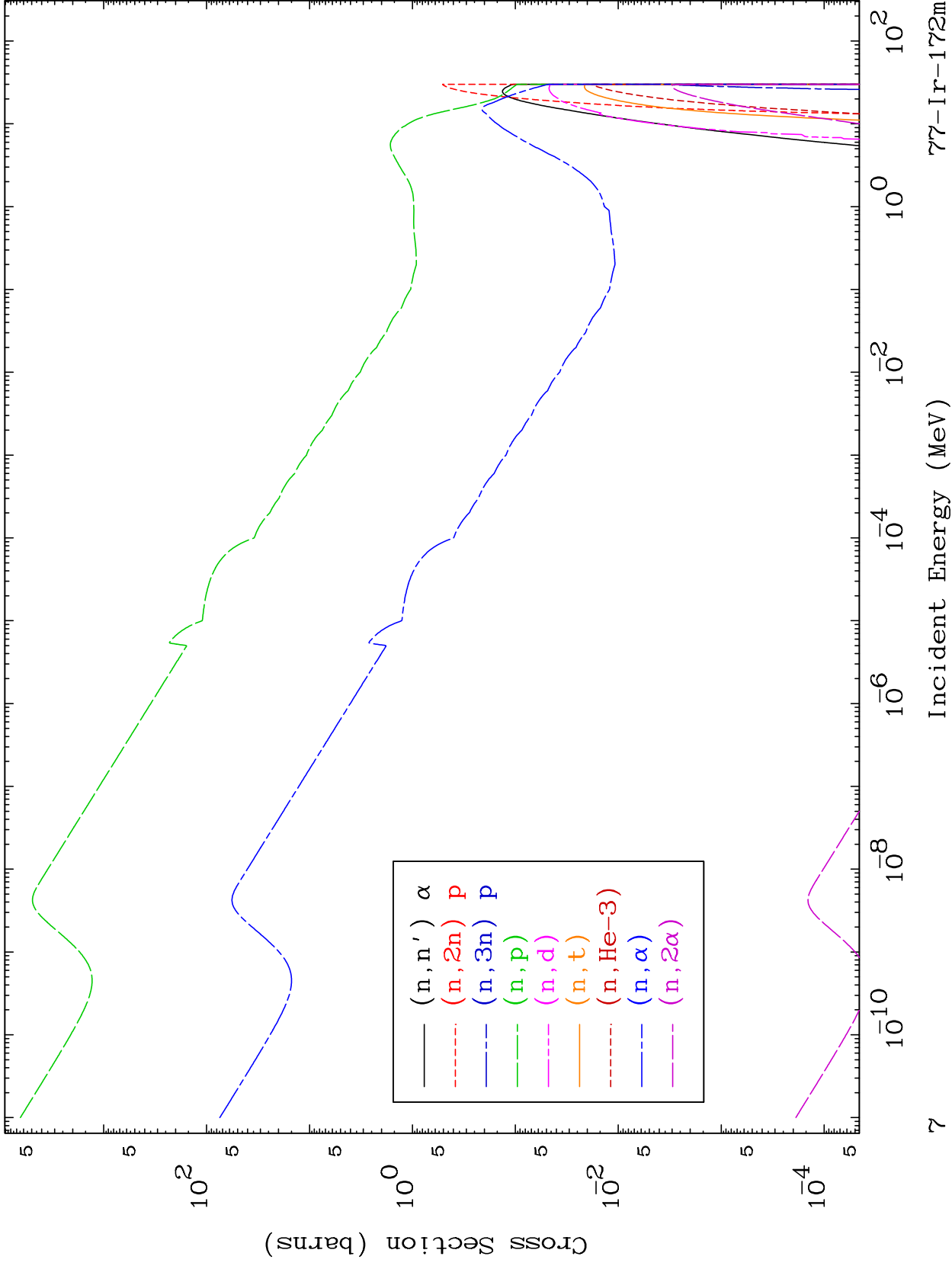
77-Ir-172m



MAT 7669

Charged Particle  
293 Kelvin Cross Sections

77-Ir-172m

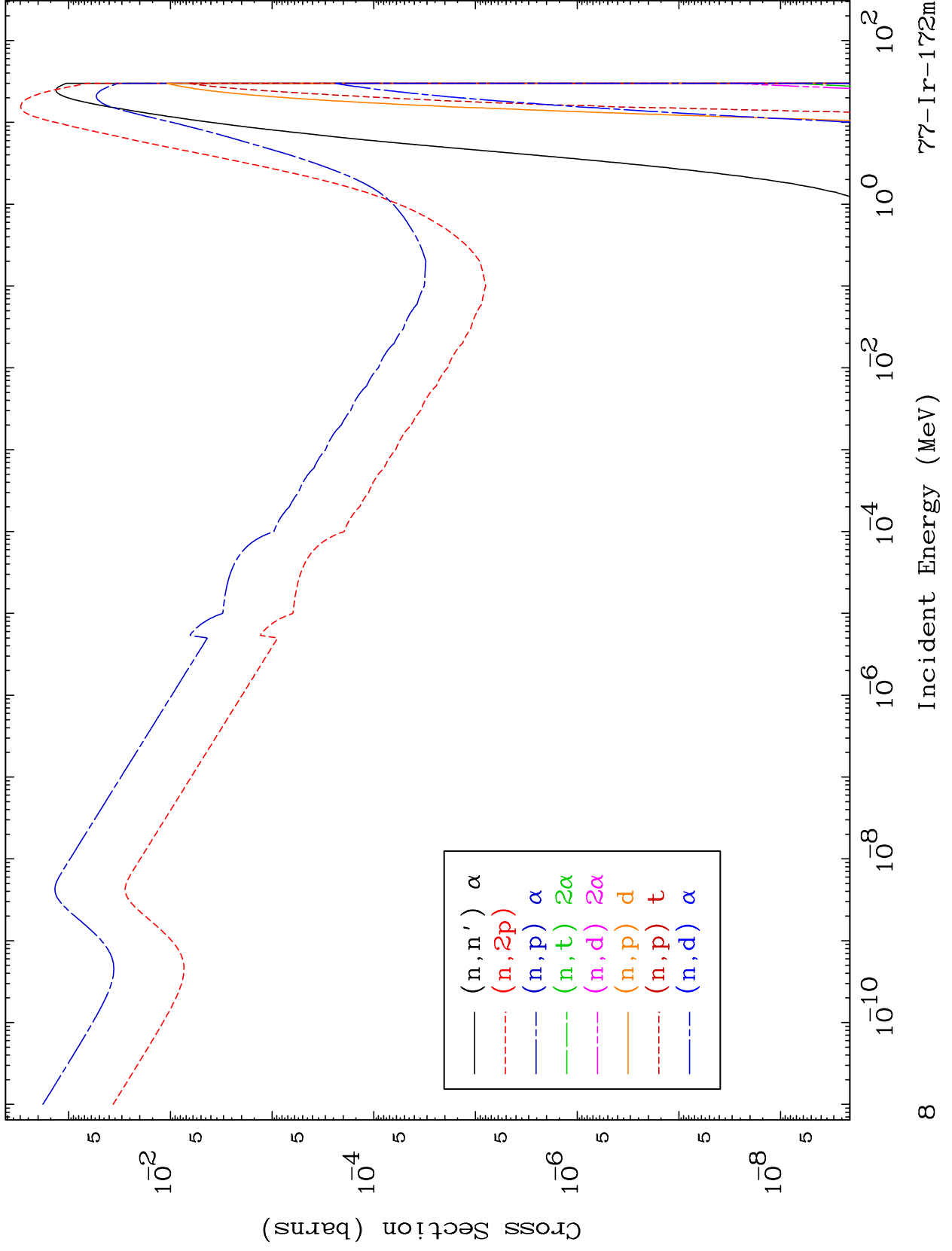




MAT 7669

Charged Particle  
293 Kelvin Cross Sections

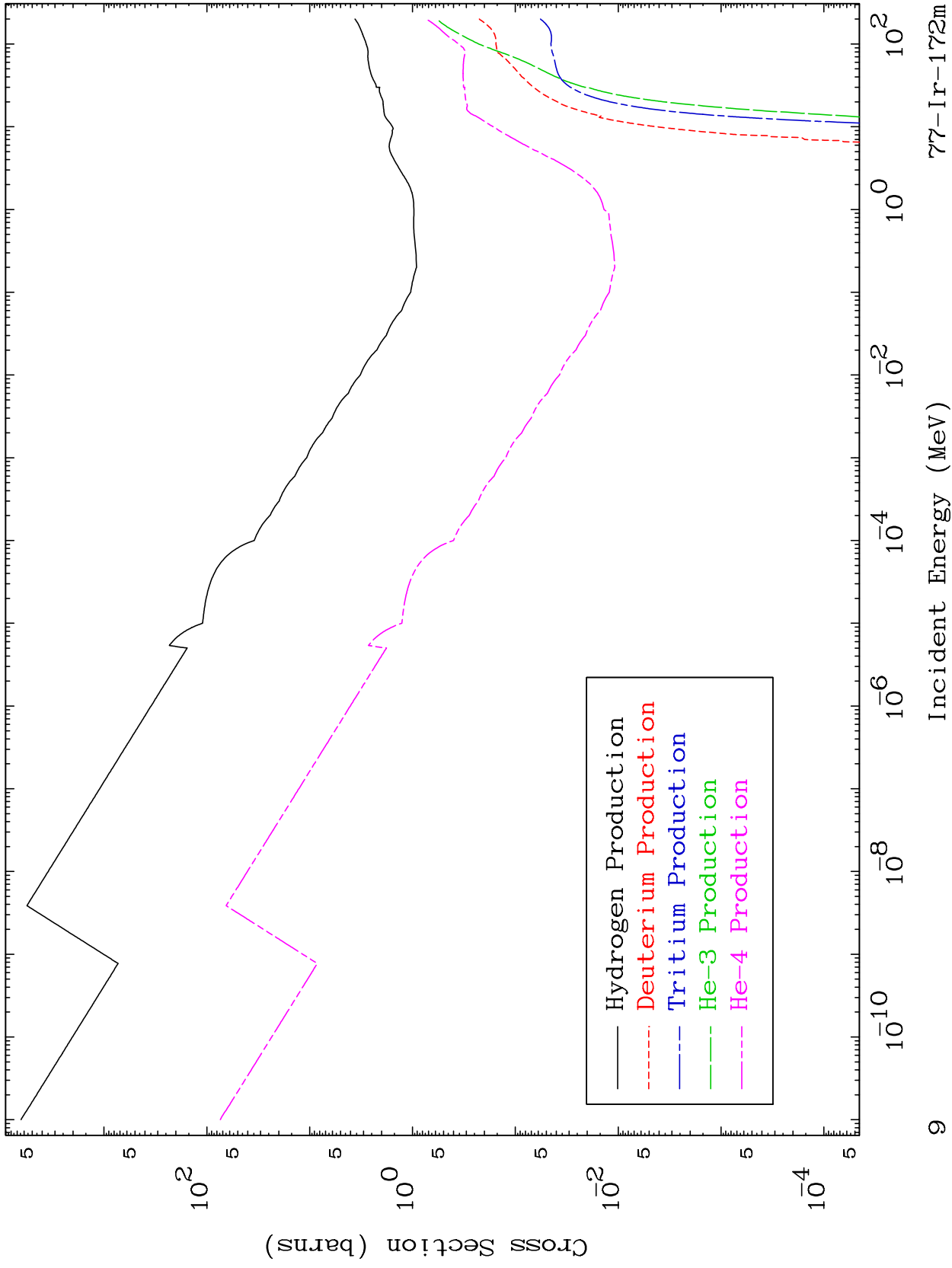
77-Ir-172m

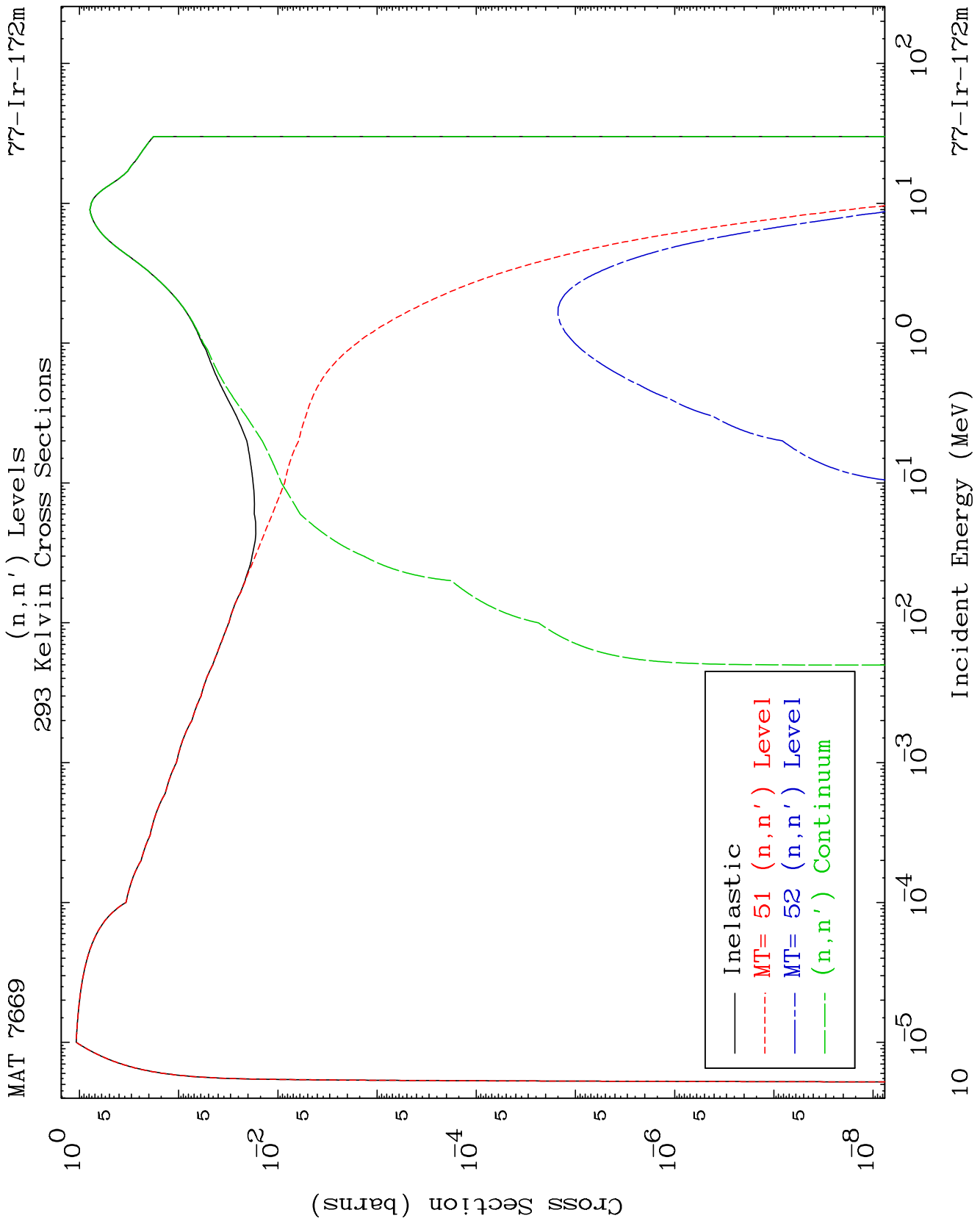


MAT 7669

Particle Production  
293 Kelvin Cross Sections

77-Ir-172m

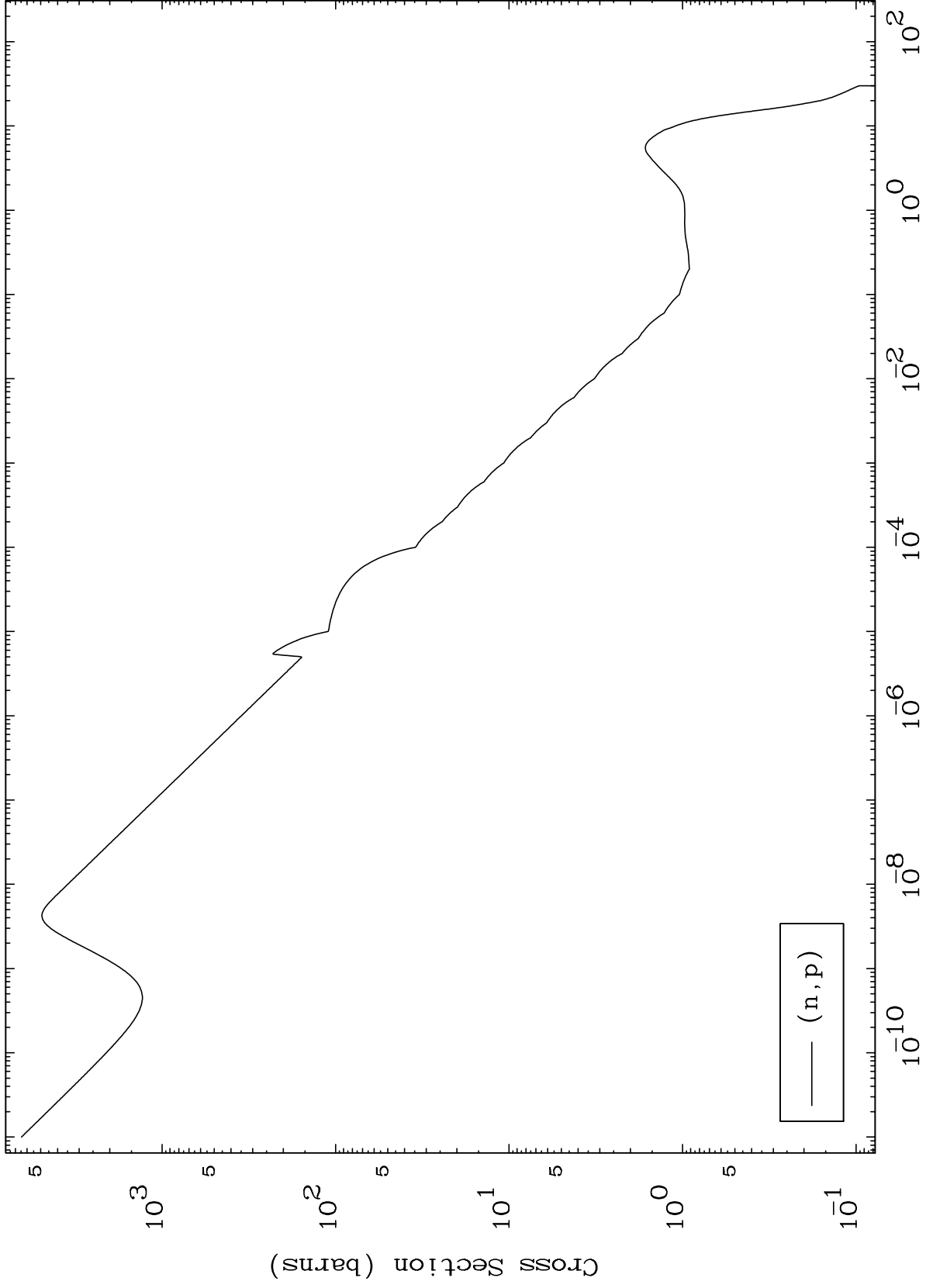




MAT 7669

(n,p) Levels  
293 Kelvin Cross Sections

77-Ir-172m

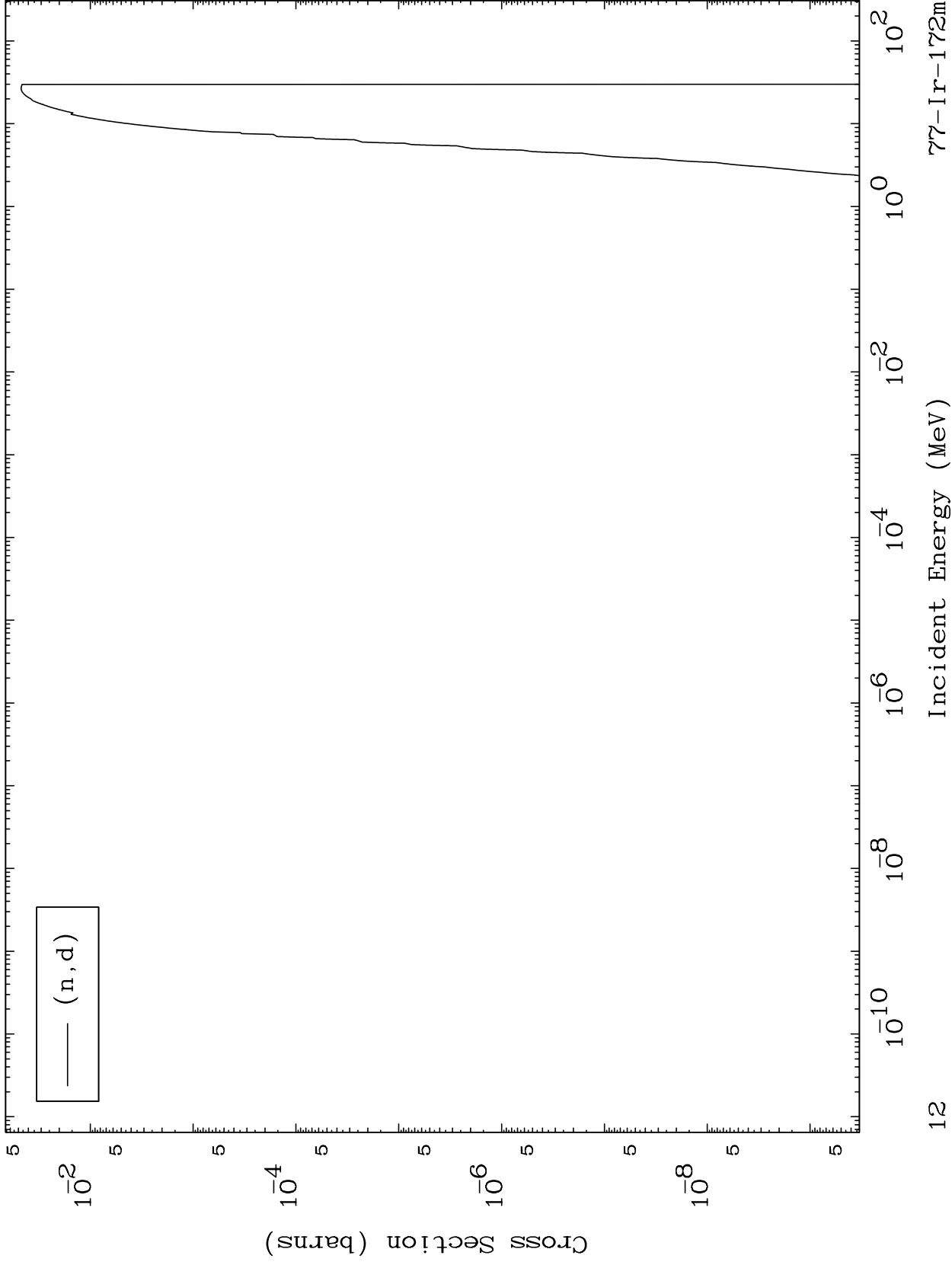


(n,p)

MAT 7669

(n,d) Levels  
293 Kelvin Cross Sections

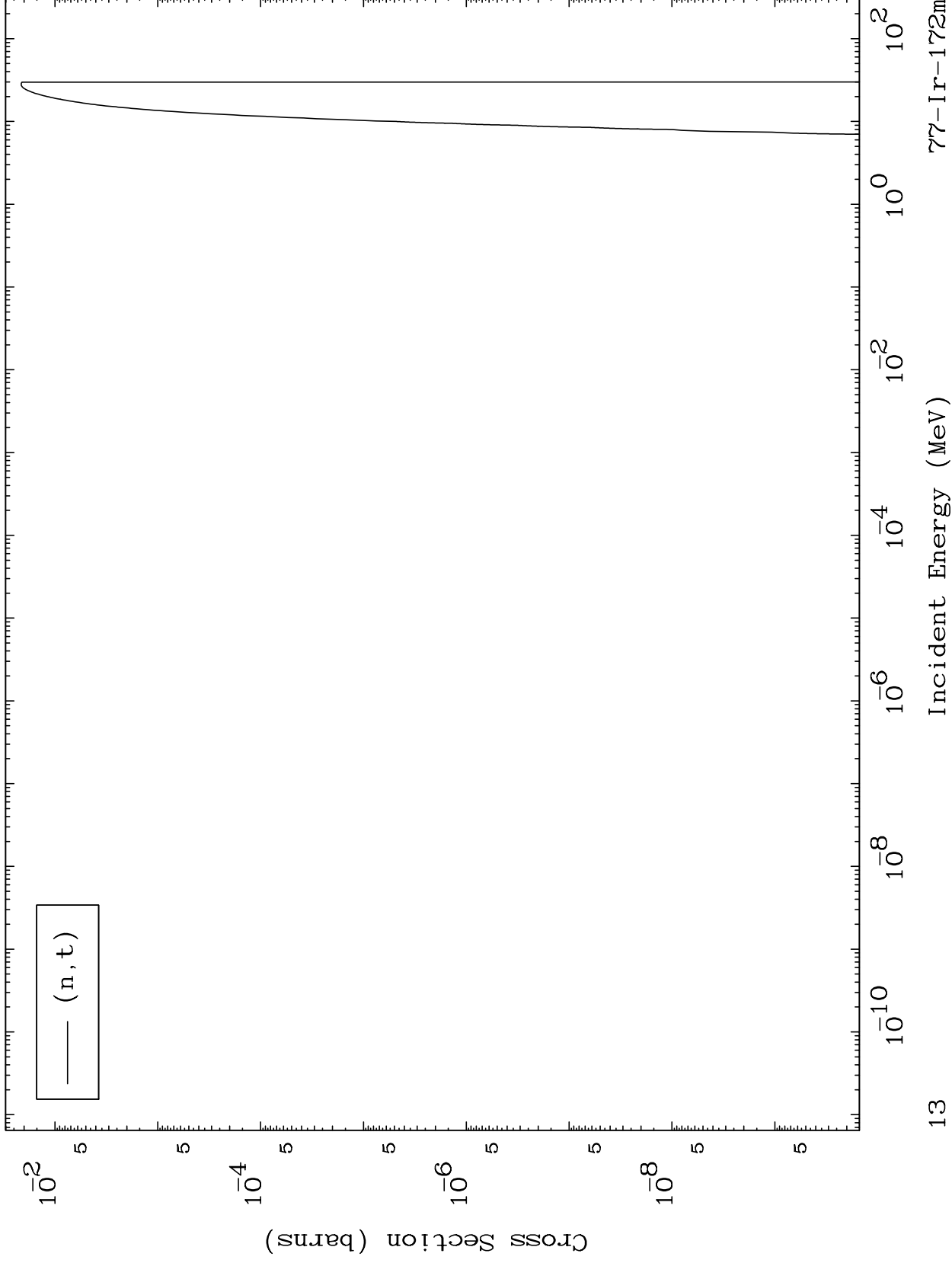
77-Ir-172m



MAT 7669

(n,t) Levels  
293 Kelvin Cross Sections

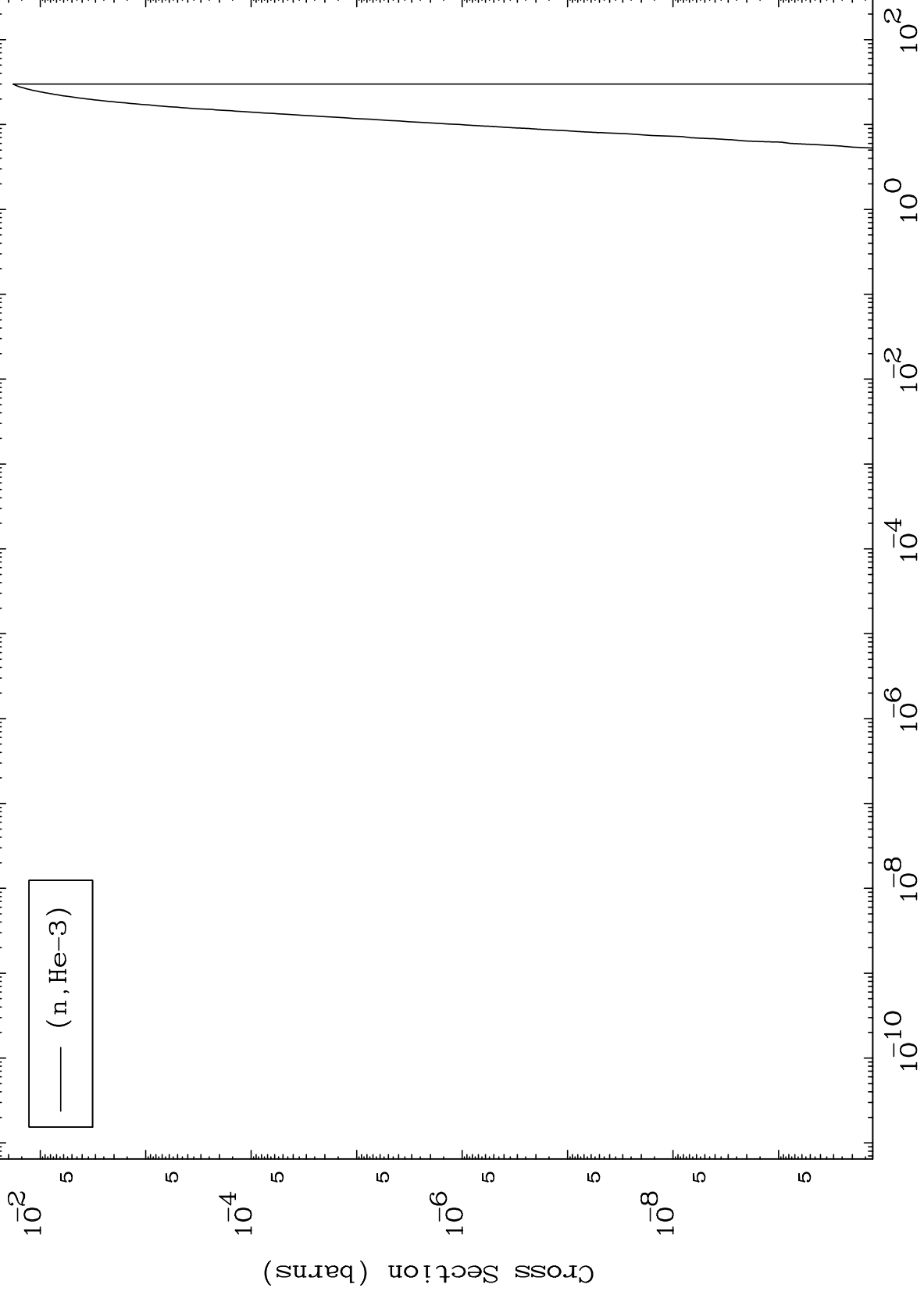
<sup>77</sup>Ir-172m

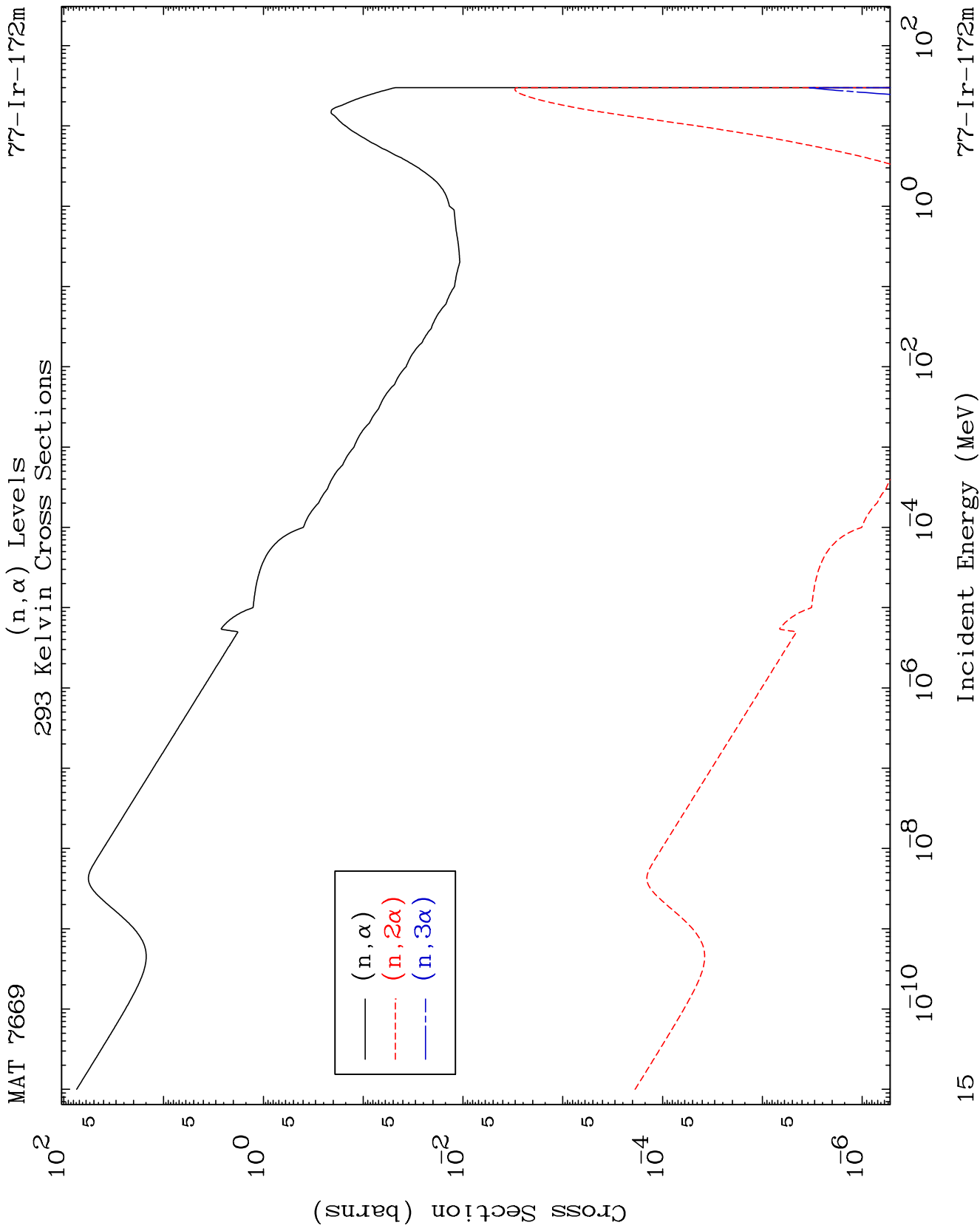


MAT 7669

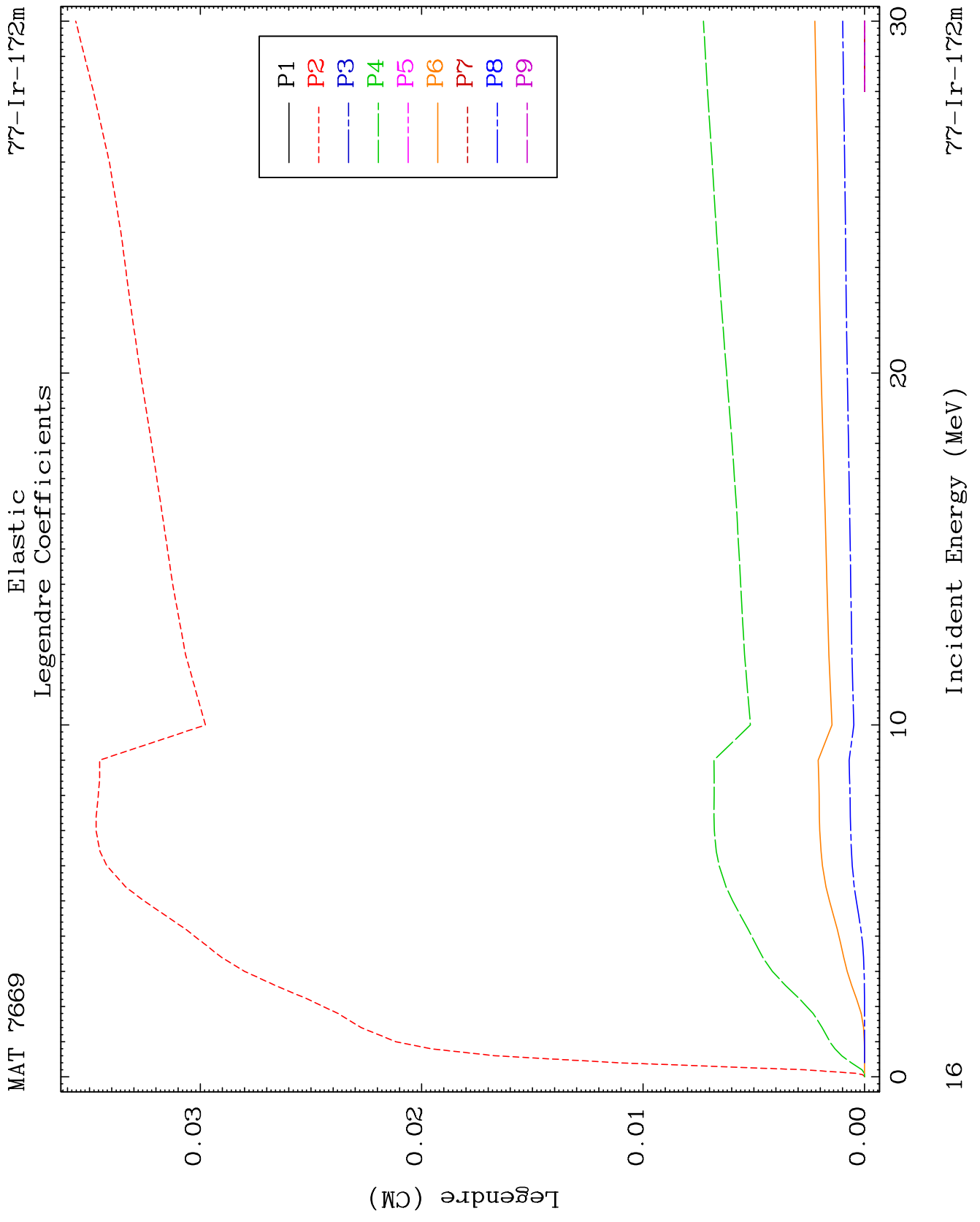
(n,He3) Levels  
293 Kelvin Cross Sections

77-Ir-172m





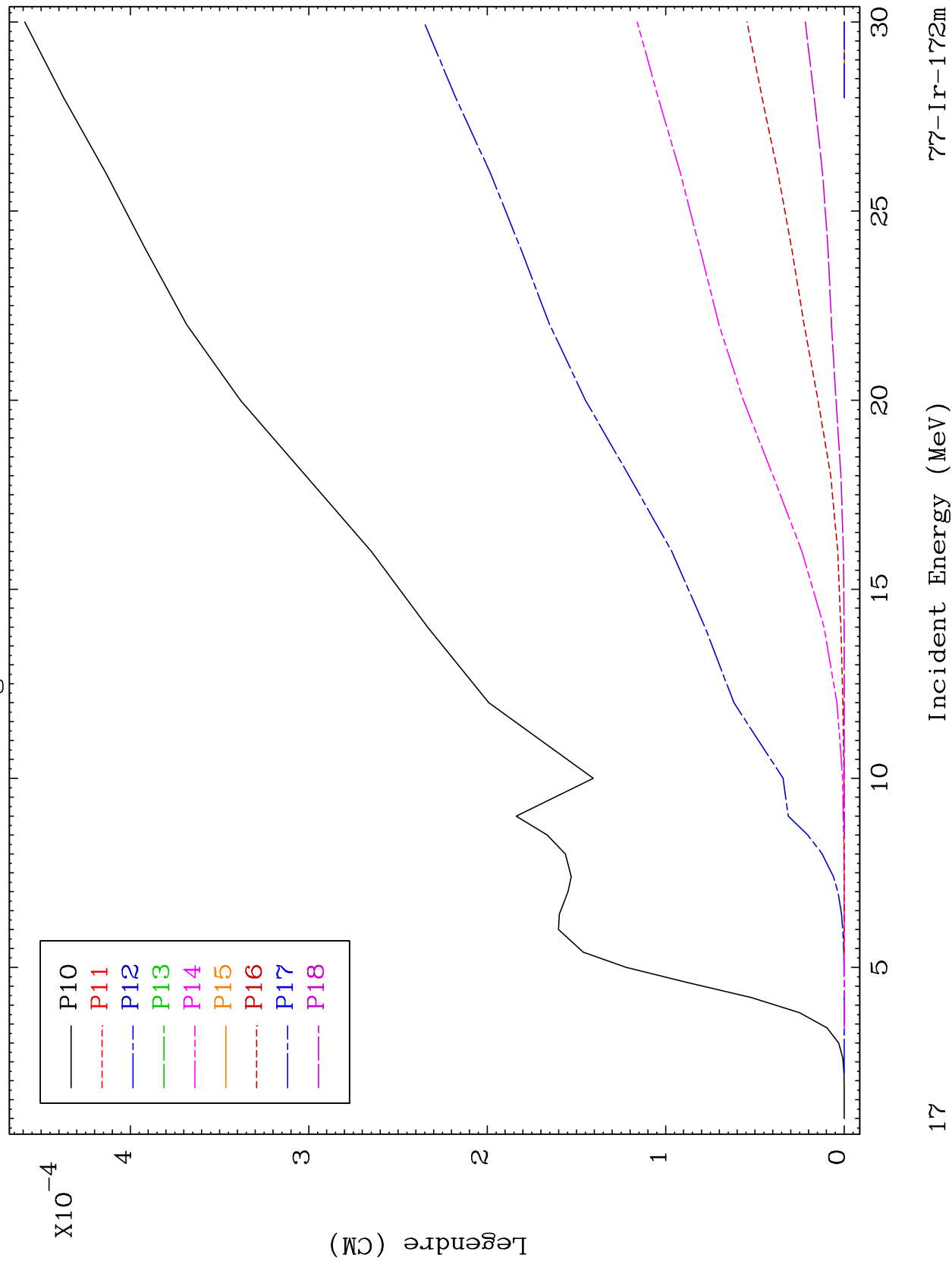




MAT 7669

Elastic Legendre Coefficients

77-Ir-172m



17

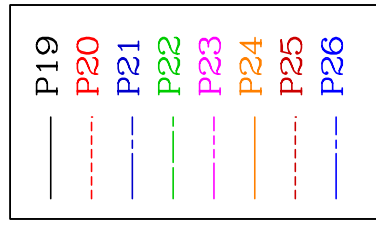
Incident Energy (MeV)

77-Ir-172m

MAT 7669

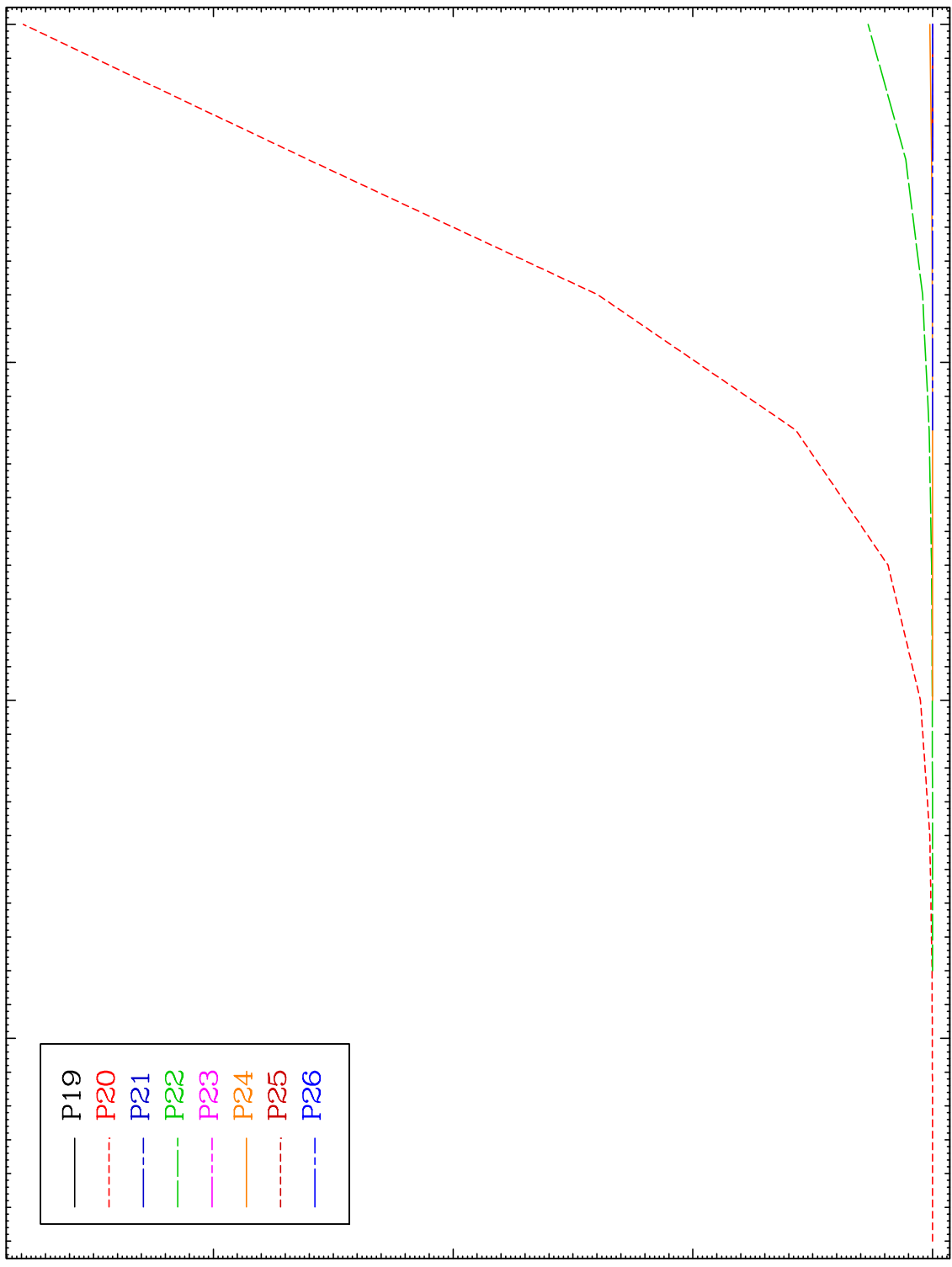
Elastic  
Legendre Coefficients

77-Ir-172m



$\times 10^{-6}$

Legendre (CM)



18

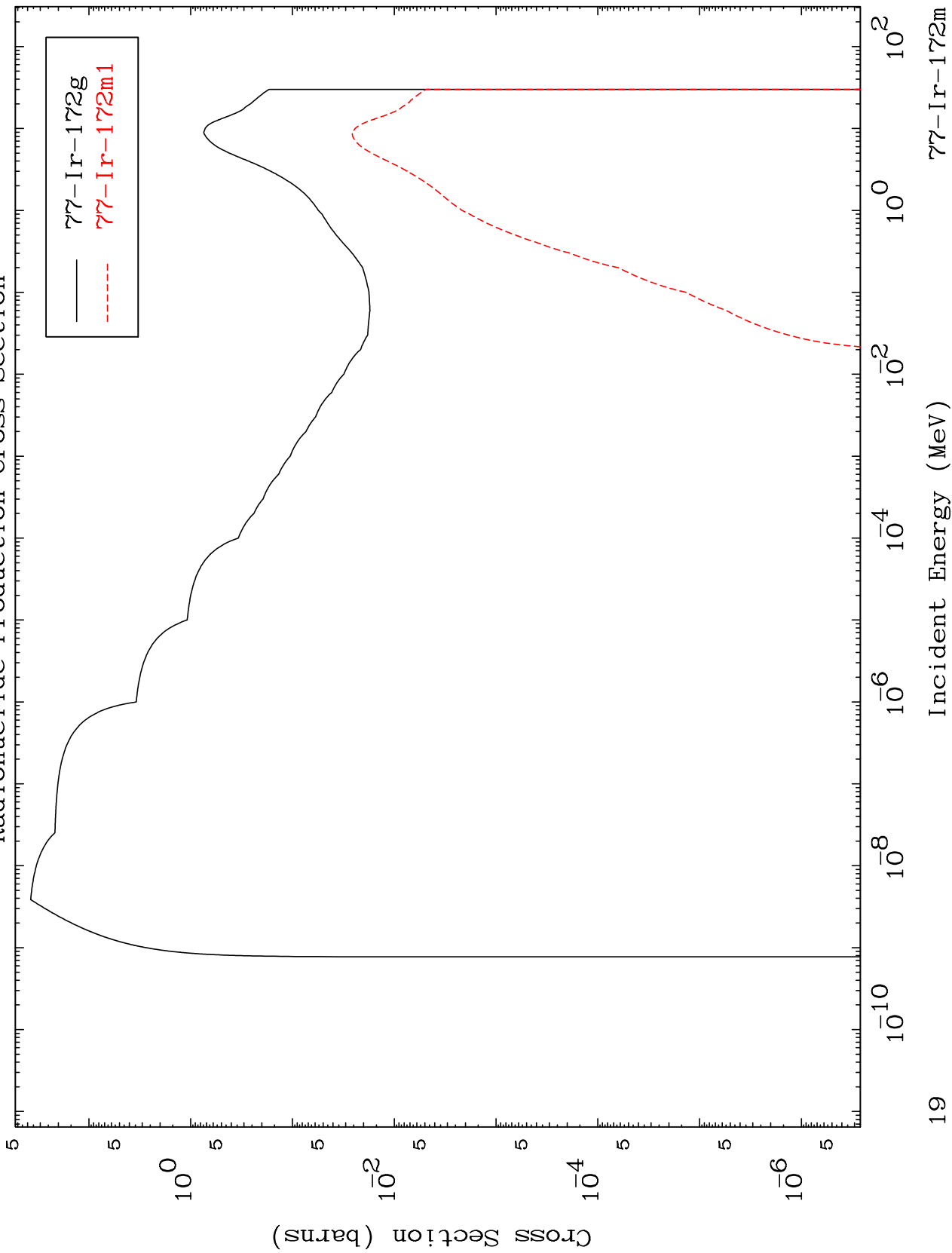
Incident Energy (MeV)

77-Ir-172m

MAT 7669

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

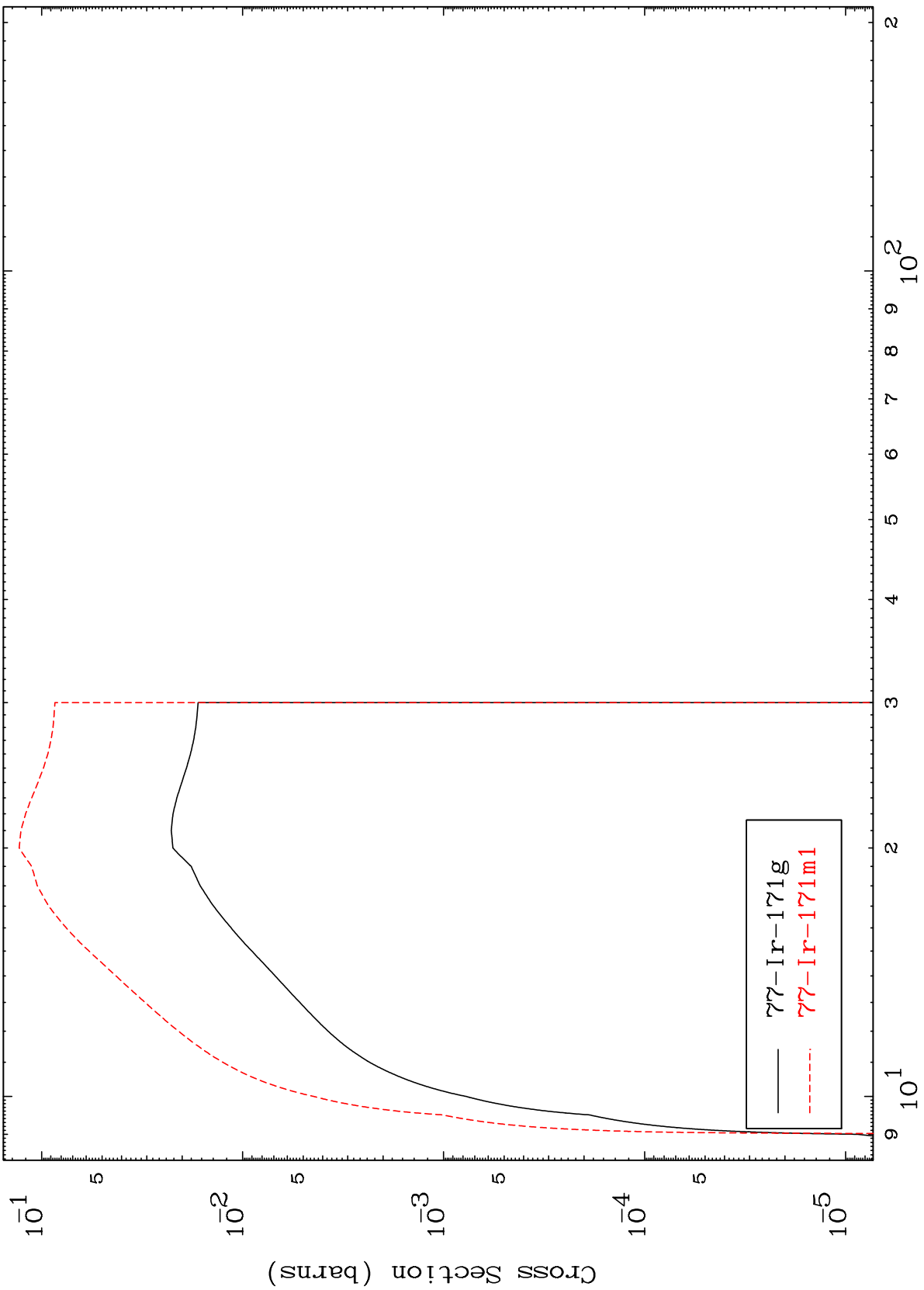
Inelastic  
Radionuclide Production Cross Section



MAT 7669

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

Radionuclide Production Cross Section  
(n,2n)



— <sup>77</sup>Ir-171g  
- - - <sup>77</sup>Ir-171m1

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

Incident Energy (MeV)

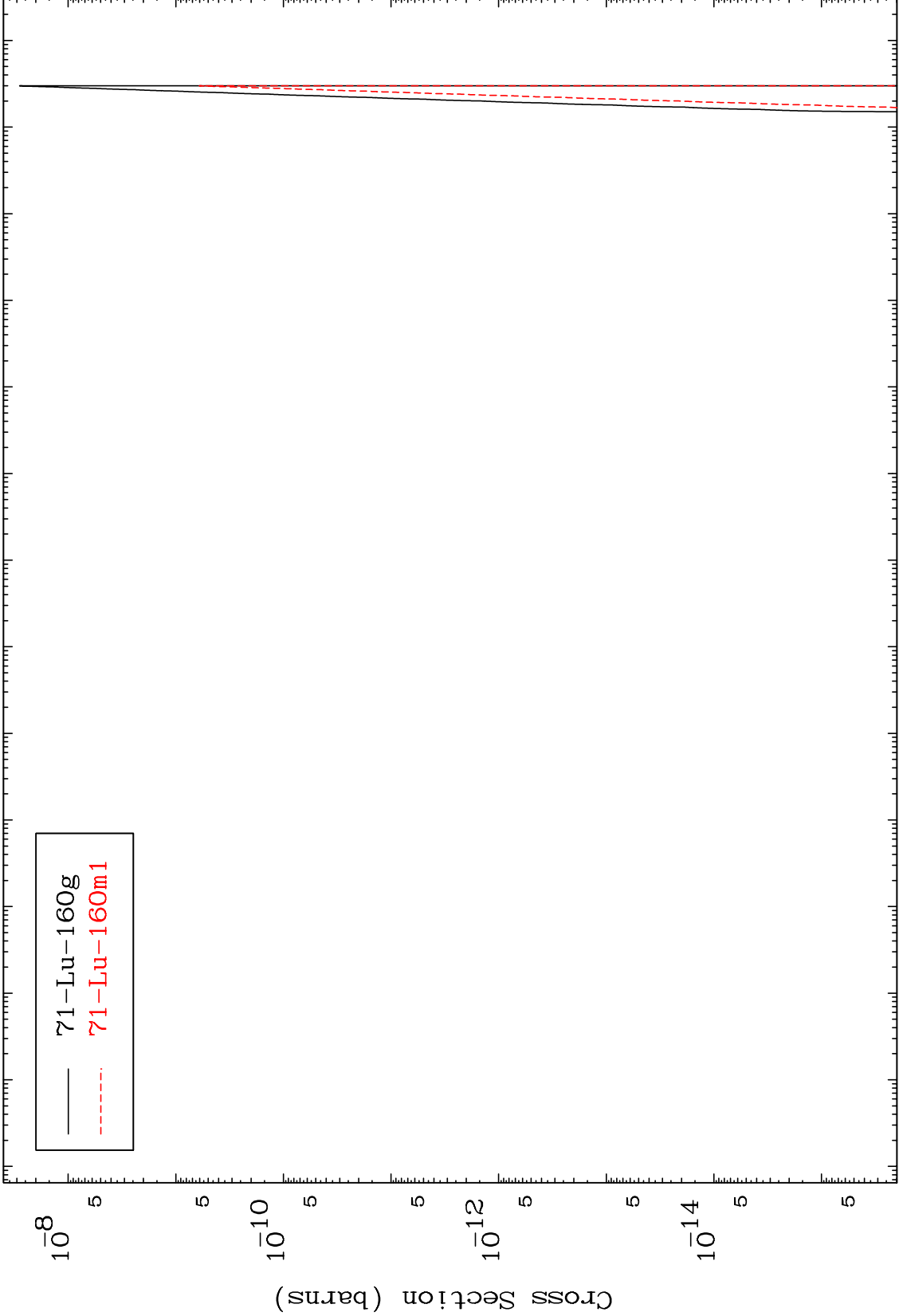
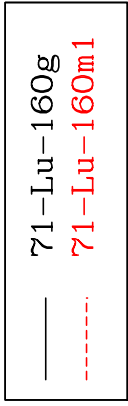
20

MAT 7669

(n,n') 3 $\alpha$

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

Radionuclide Production Cross Section



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

10<sup>0</sup>

10<sup>-2</sup>

10<sup>-4</sup>

10<sup>-6</sup>

10<sup>-8</sup>

10<sup>-10</sup>

10<sup>-14</sup>

10<sup>-8</sup>

Incident Energy (MeV)

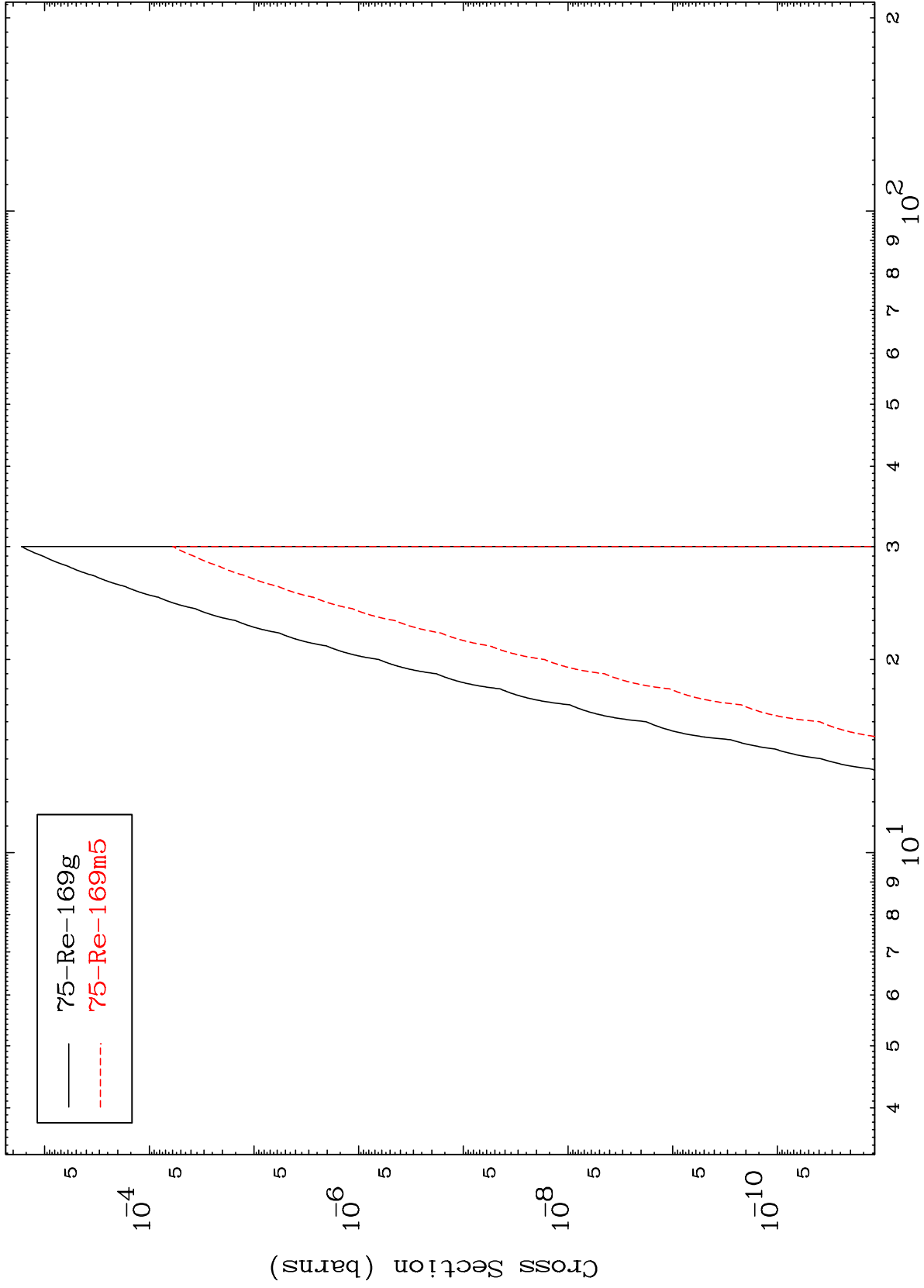
<sup>77</sup>Ir-172m

MAT 7669

(n,n') He-3

77-Ir-172m

Radionuclide Production Cross Section

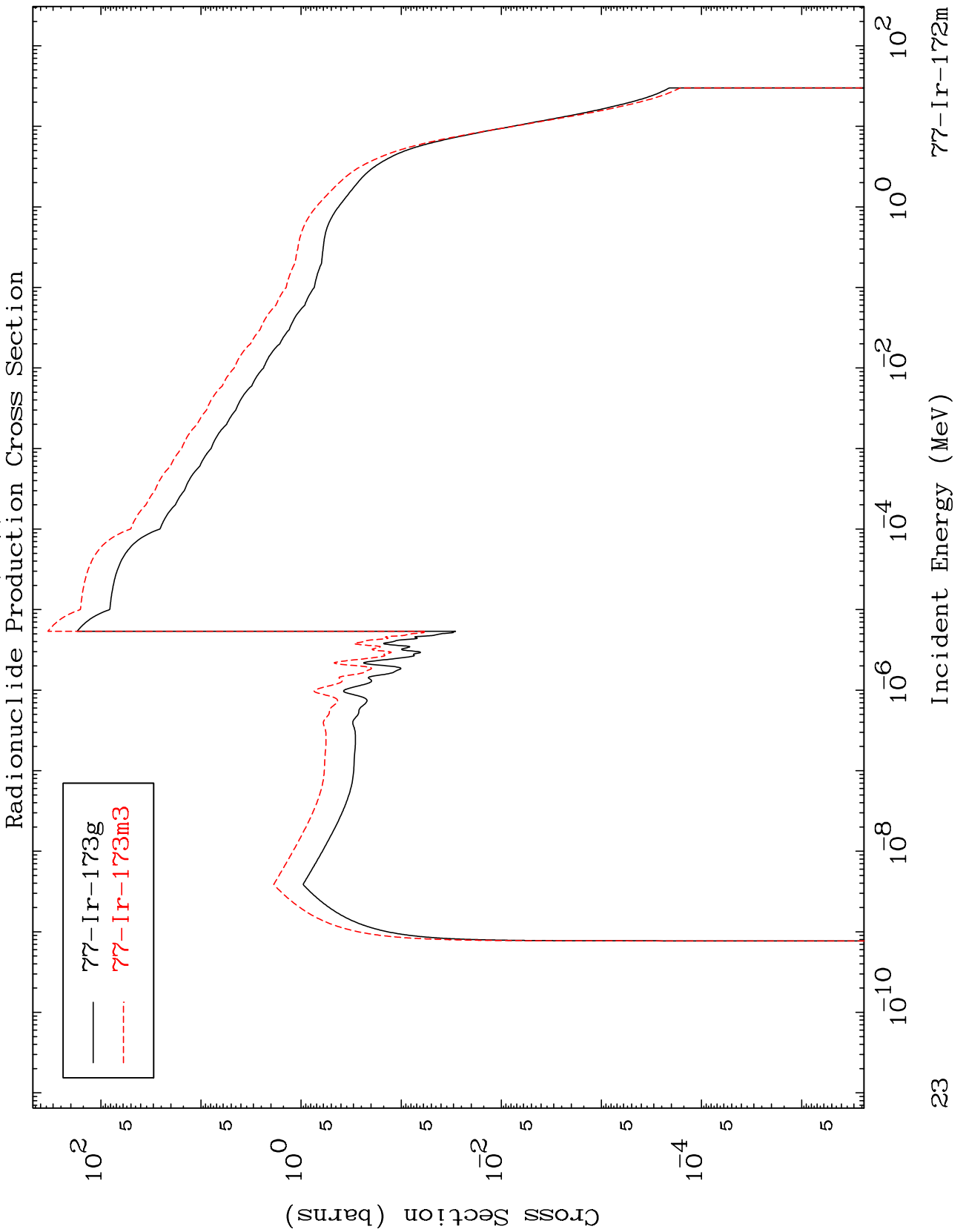


Incident Energy (MeV)

77-Ir-172m

MAT 7669

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

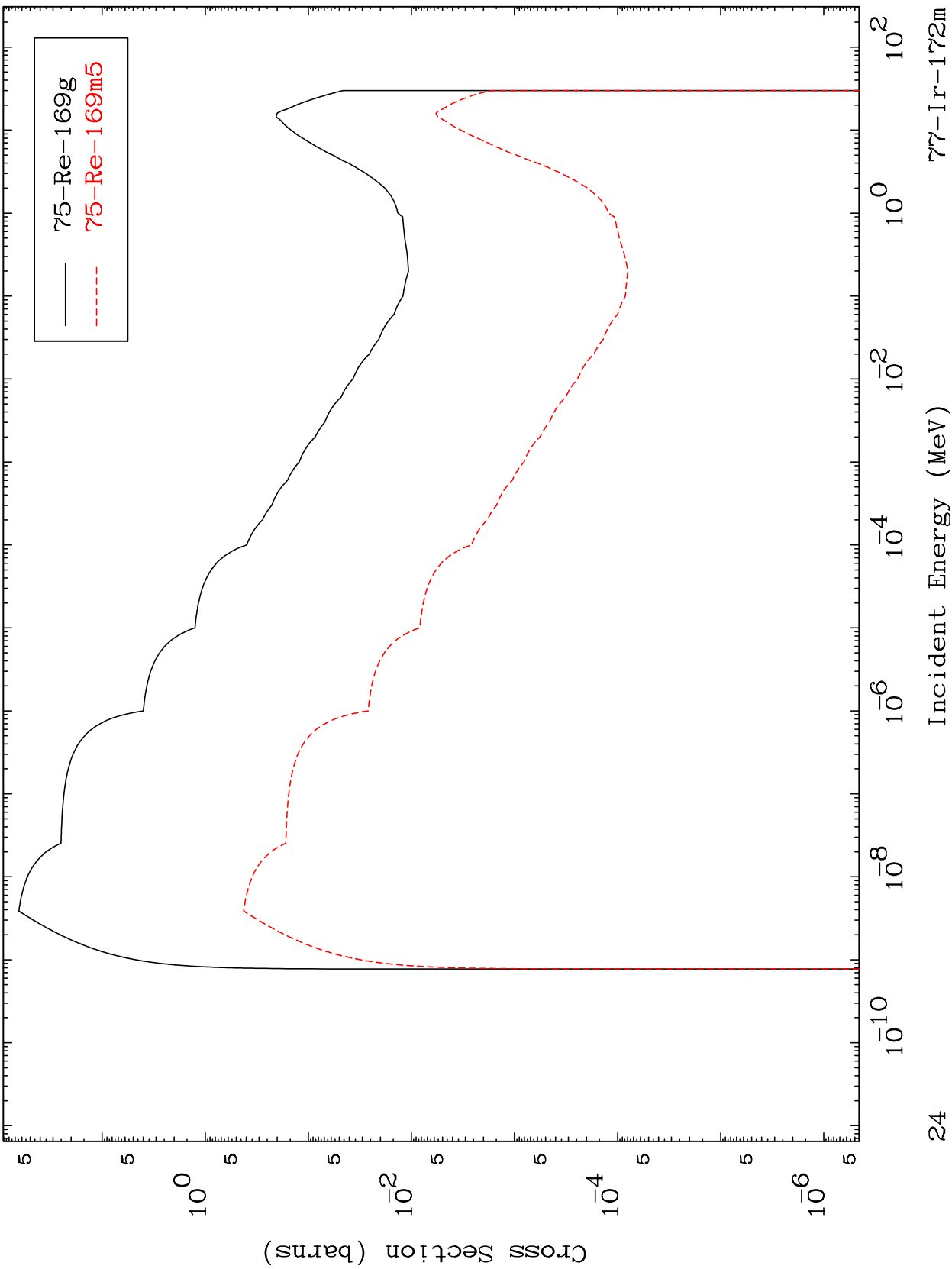




MAT 7669

77-Ir-172m

Radionuclide Production Cross Section



24

77-Ir-172m

MAT 7669

(n,p) t

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

Radionuclide Production Cross Section

