

Program EVALPLOT  
(Version 2018-1)

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](mailto:redcullen1@comcast.net)

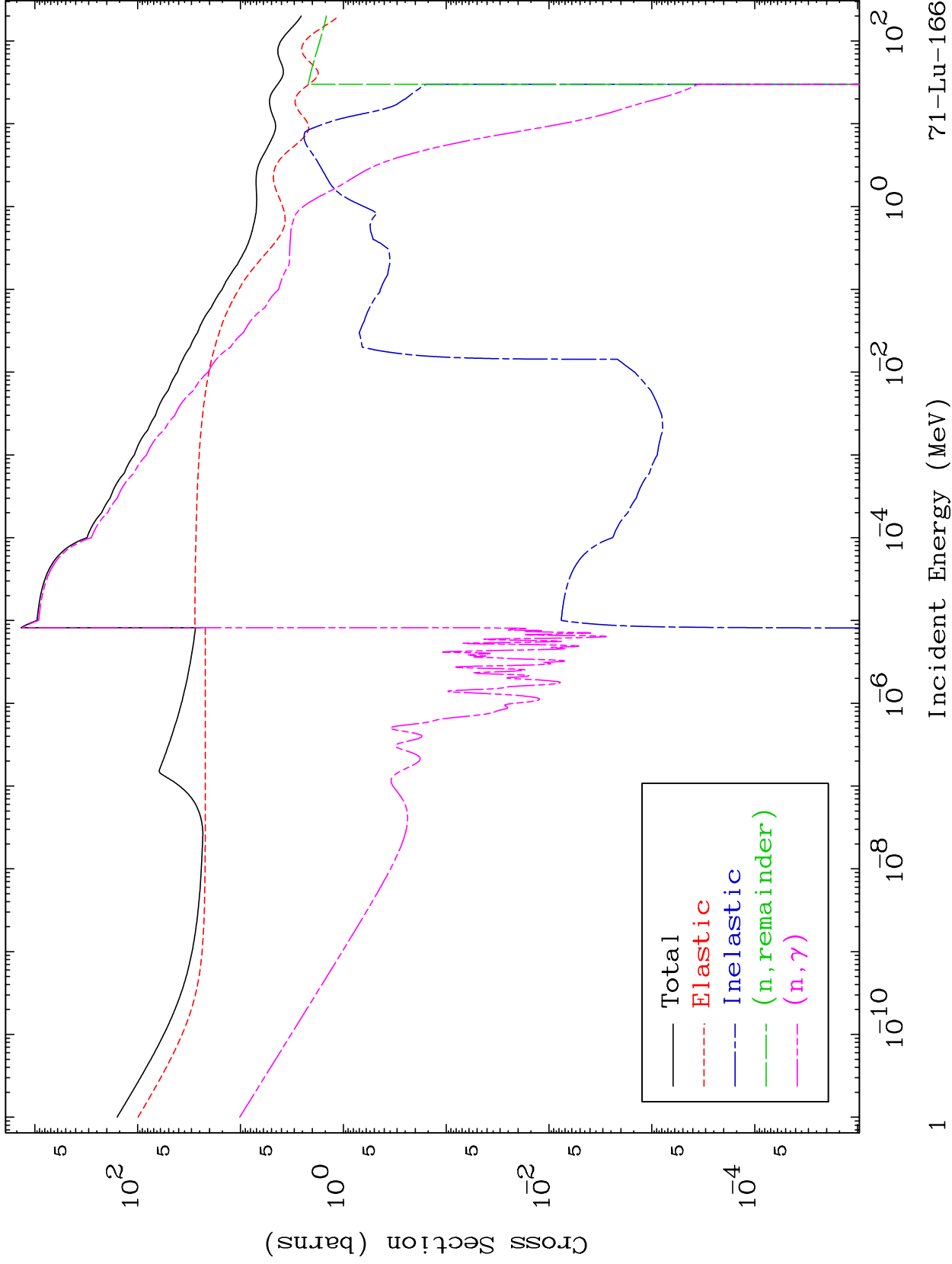
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 7100

Major  
293 Kelvin Cross Sections

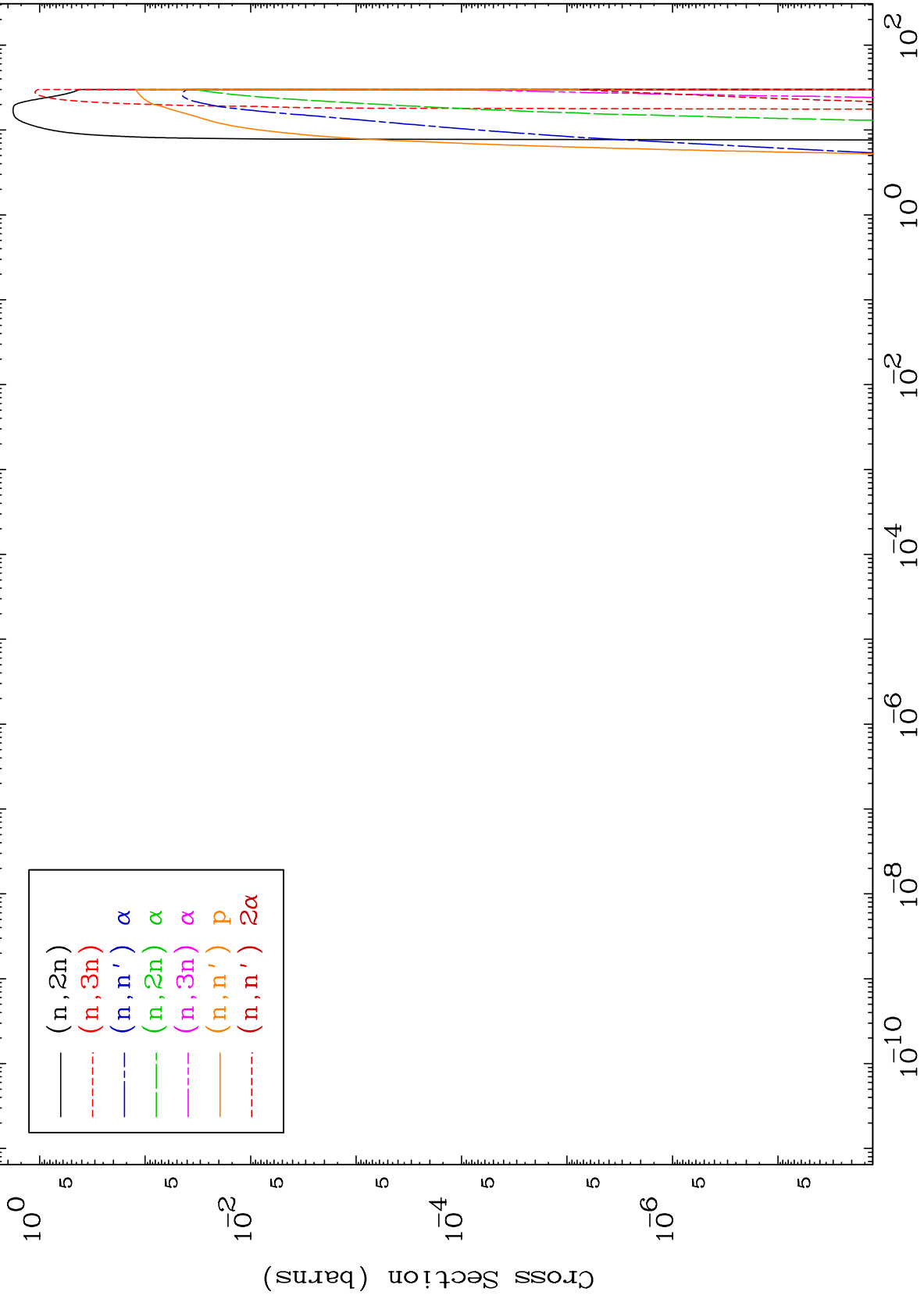
<sup>71</sup>Lu-166

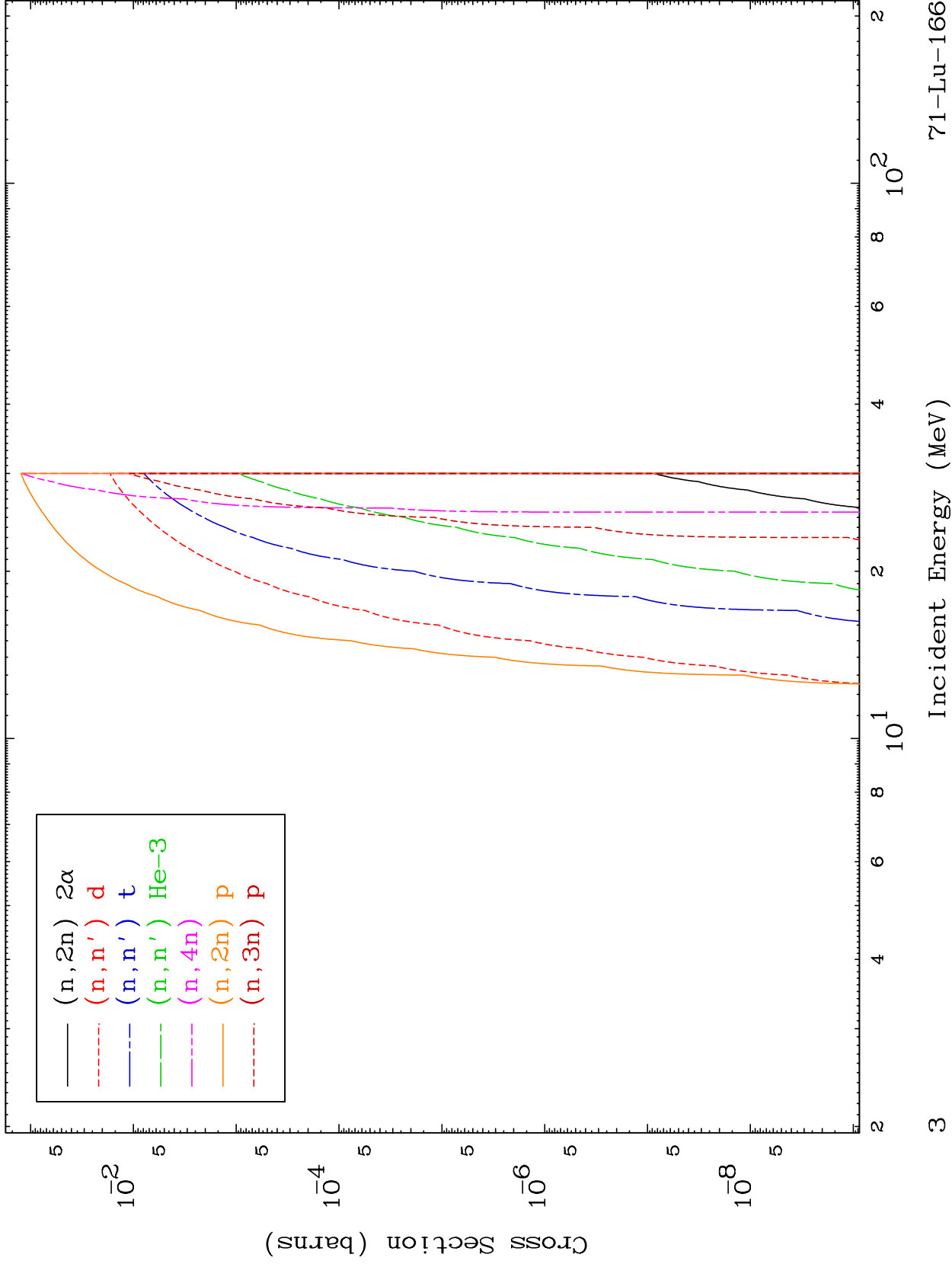


MAT 7100

Neutron Production  
293 Kelvin Cross Sections

71-Lu-166

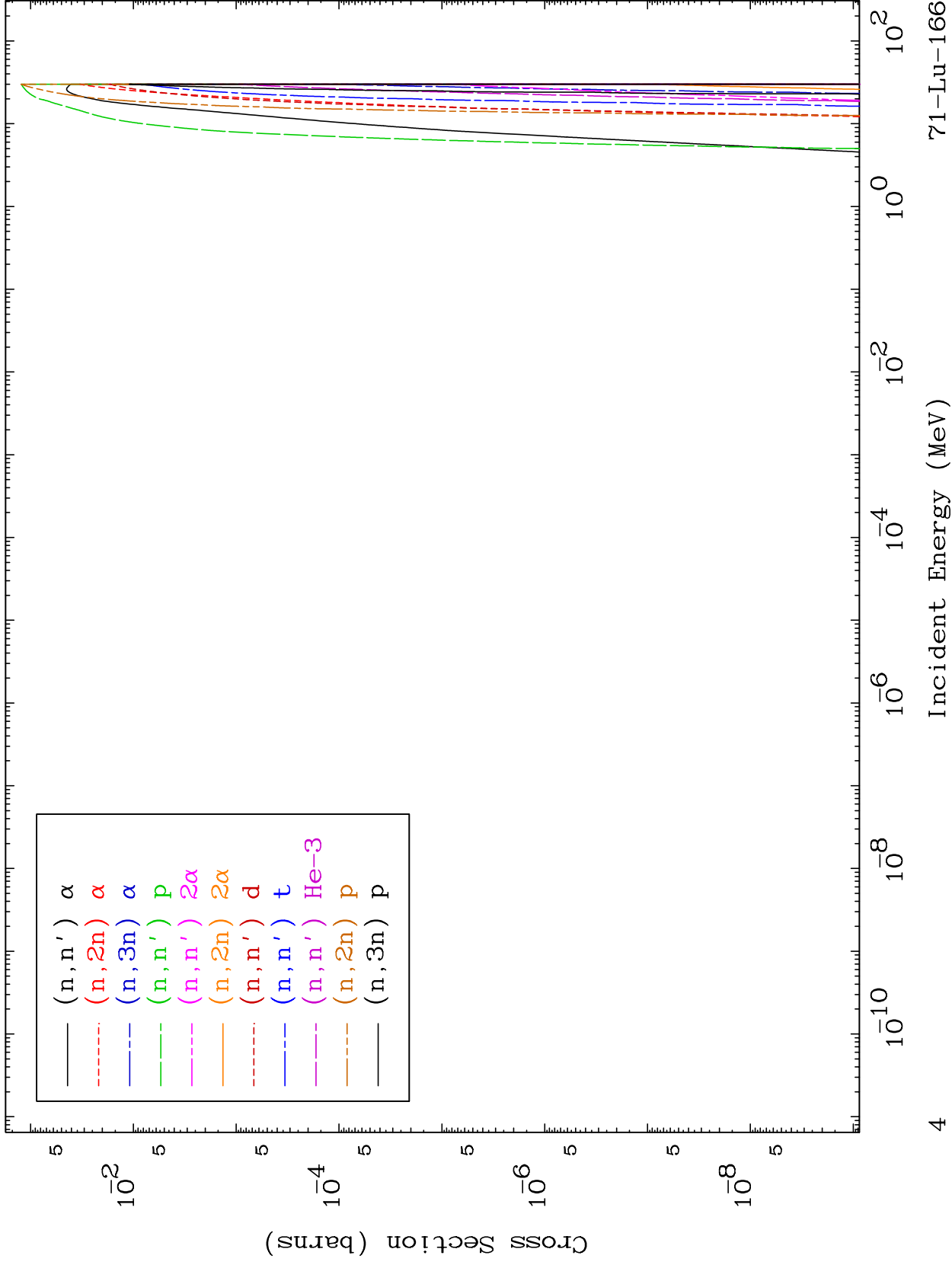




MAT 7100

Charged Particle  
293 Kelvin Cross Sections

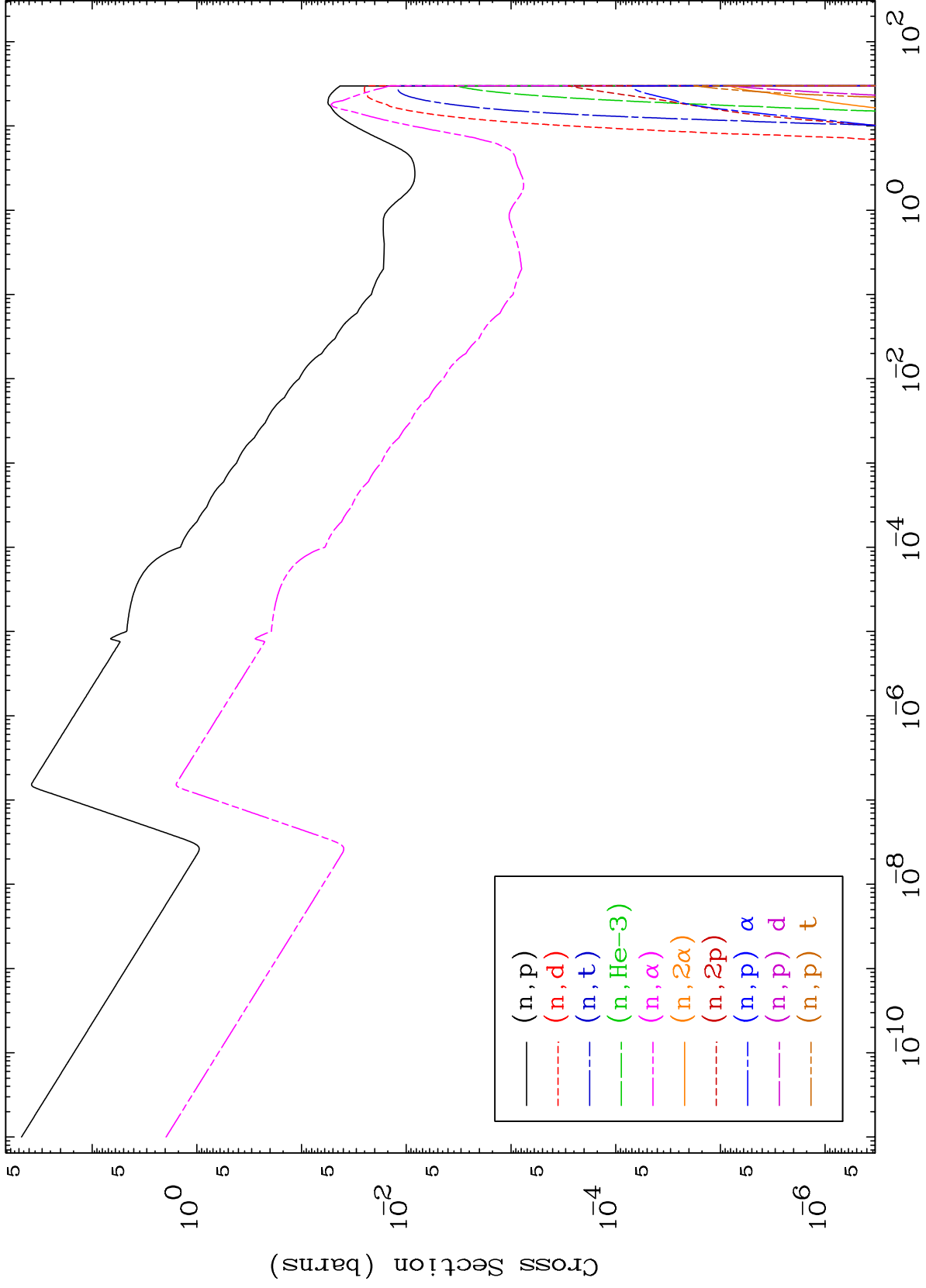
71-Lu-166



MAT 7100

Charged Particle  
293 Kelvin Cross Sections

71-Lu-166



5

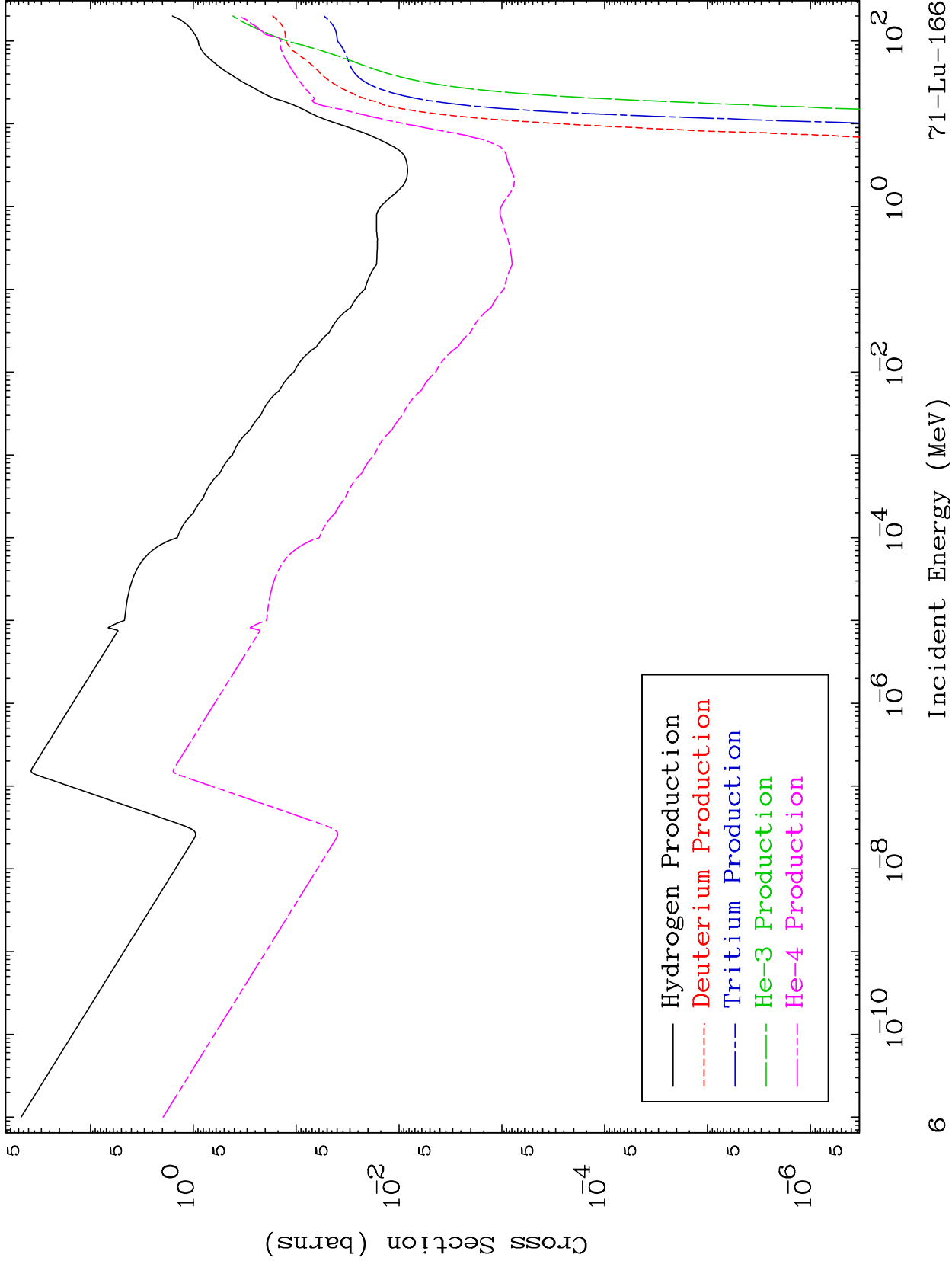
Incident Energy (MeV)

71-Lu-166

MAT 7100

Particle Production  
293 Kelvin Cross Sections

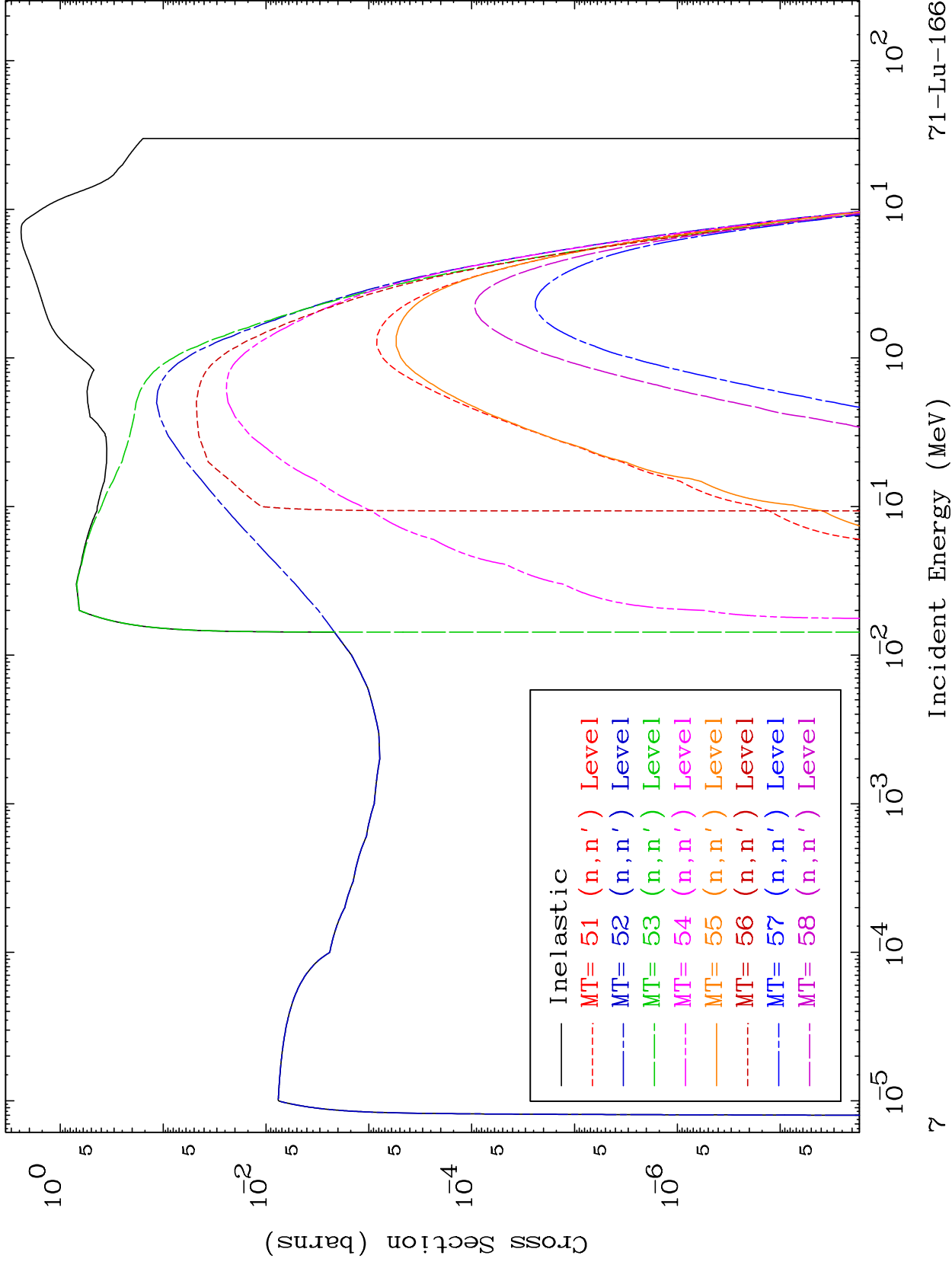
71-Lu-166



MAT 7100

(n,n') Level  
293 Kelvin Cross Sections

71-Lu-166



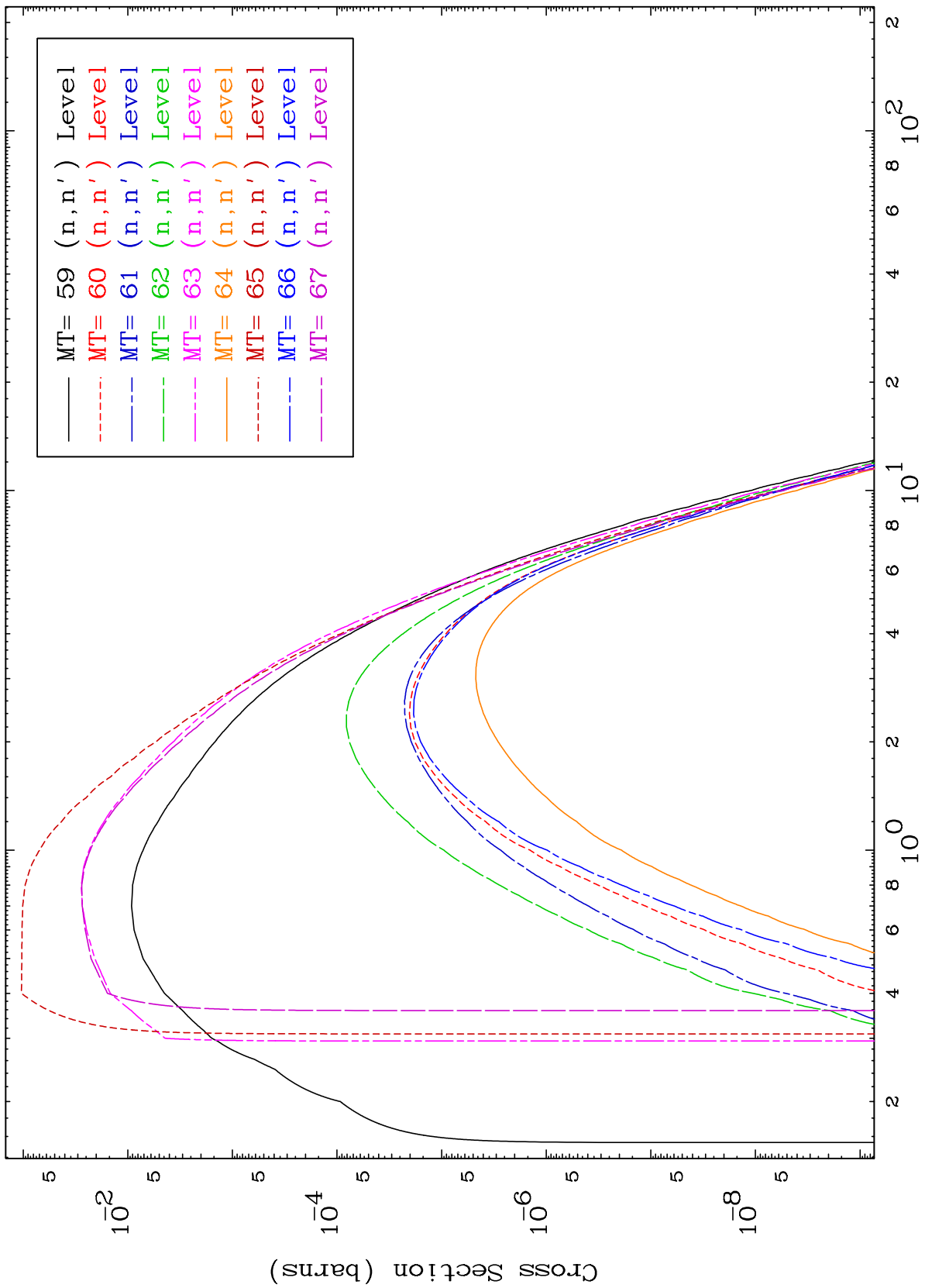


MAT 7100

(n,n') Level

71-Lu-166

293 Kelvin Cross Sections

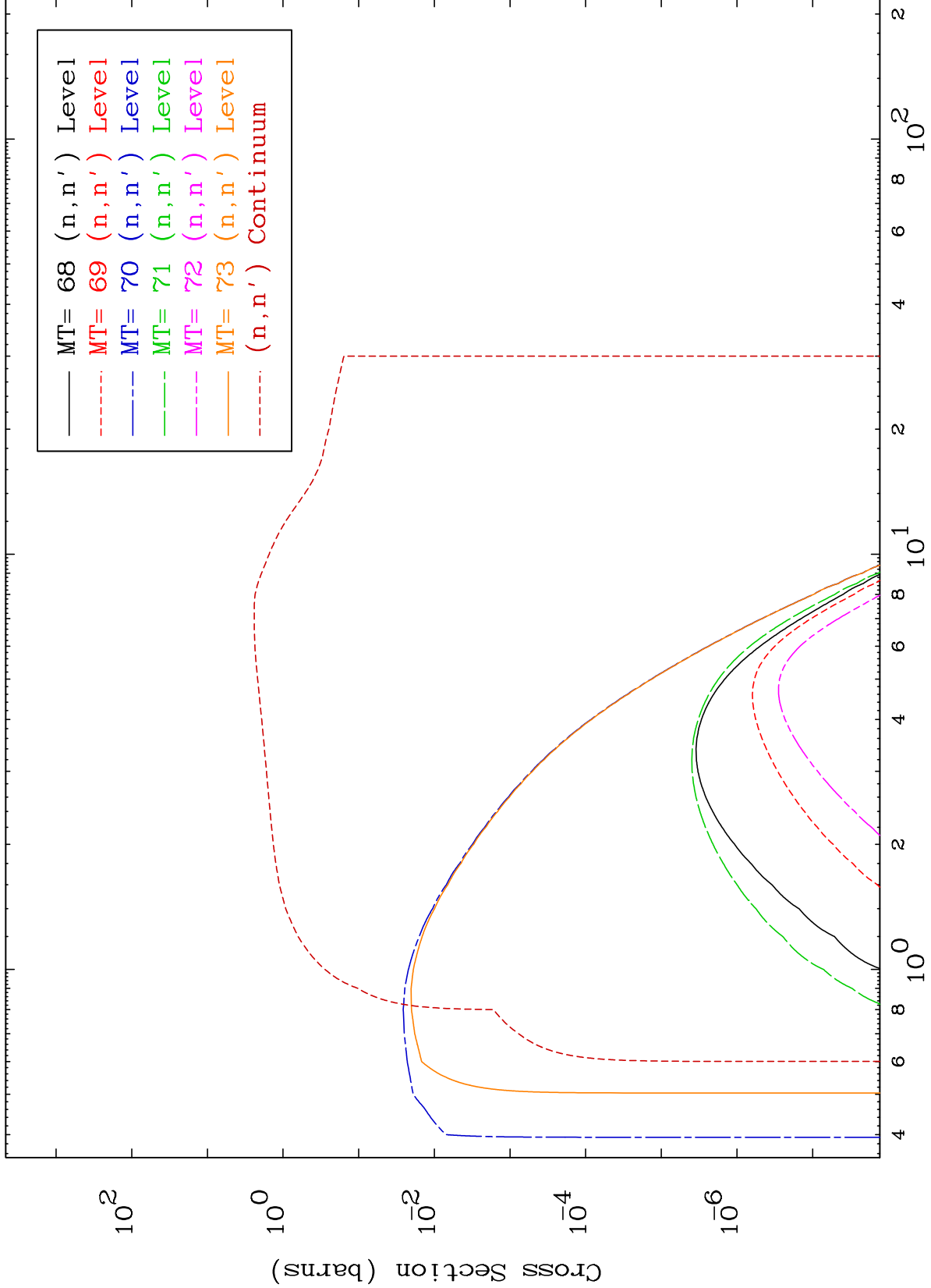


8

Incident Energy (MeV)

71-Lu-166

293 Kelvin Cross Sections

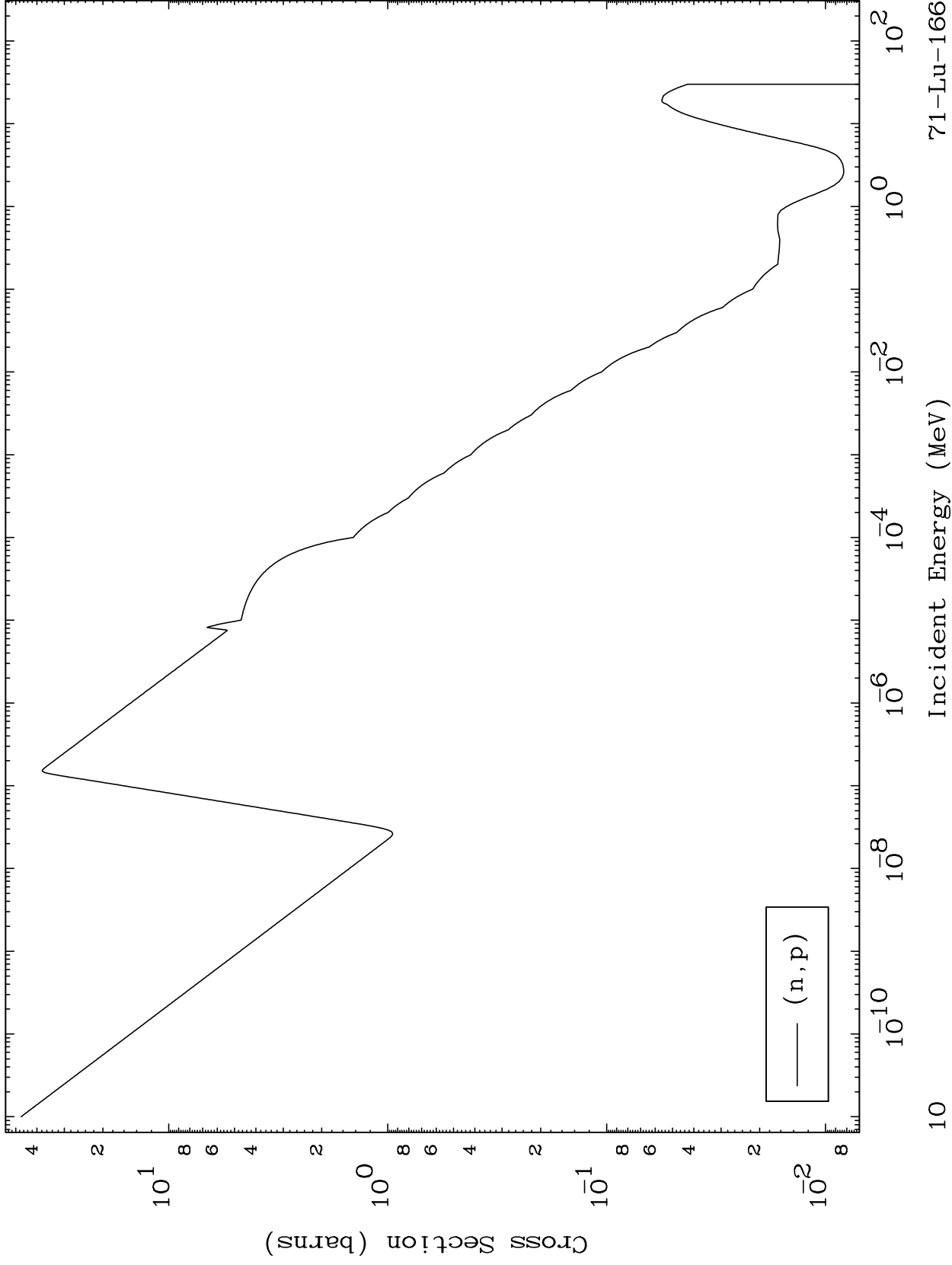


—	MT= 68	(n, n')	Level
- - -	MT= 69	(n, n')	Level
- · - ·	MT= 70	(n, n')	Level
- - -	MT= 71	(n, n')	Level
- · - ·	MT= 72	(n, n')	Level
—	MT= 73	(n, n')	Level
- · - ·	(n, n')	Continuum	

MAT 7100

(n,p) Levels  
293 Kelvin Cross Sections

71-Lu-166



10

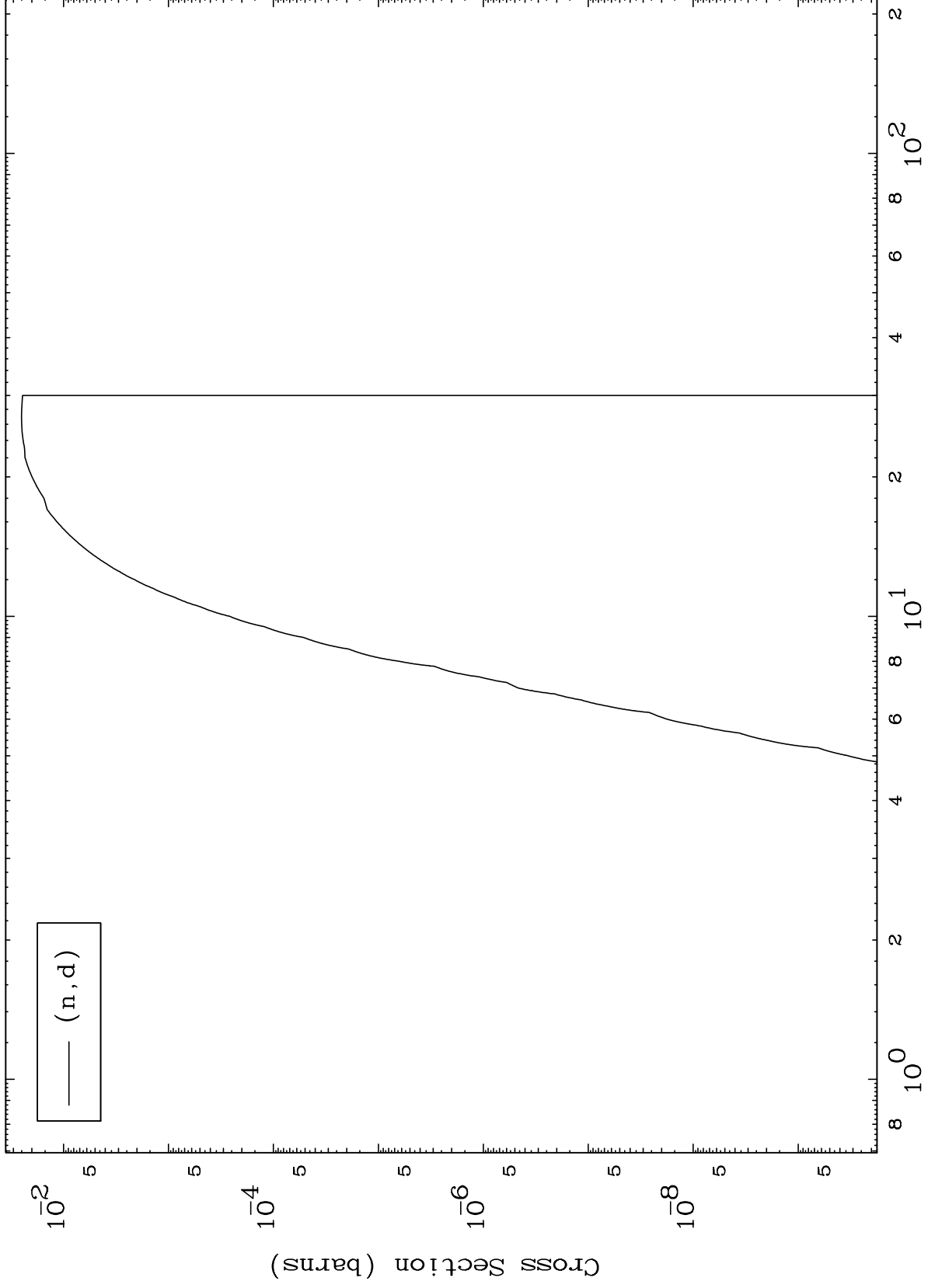
Incident Energy (MeV)

71-Lu-166

MAT 7100

(n,d) Levels  
293 Kelvin Cross Sections

71-Lu-166



11

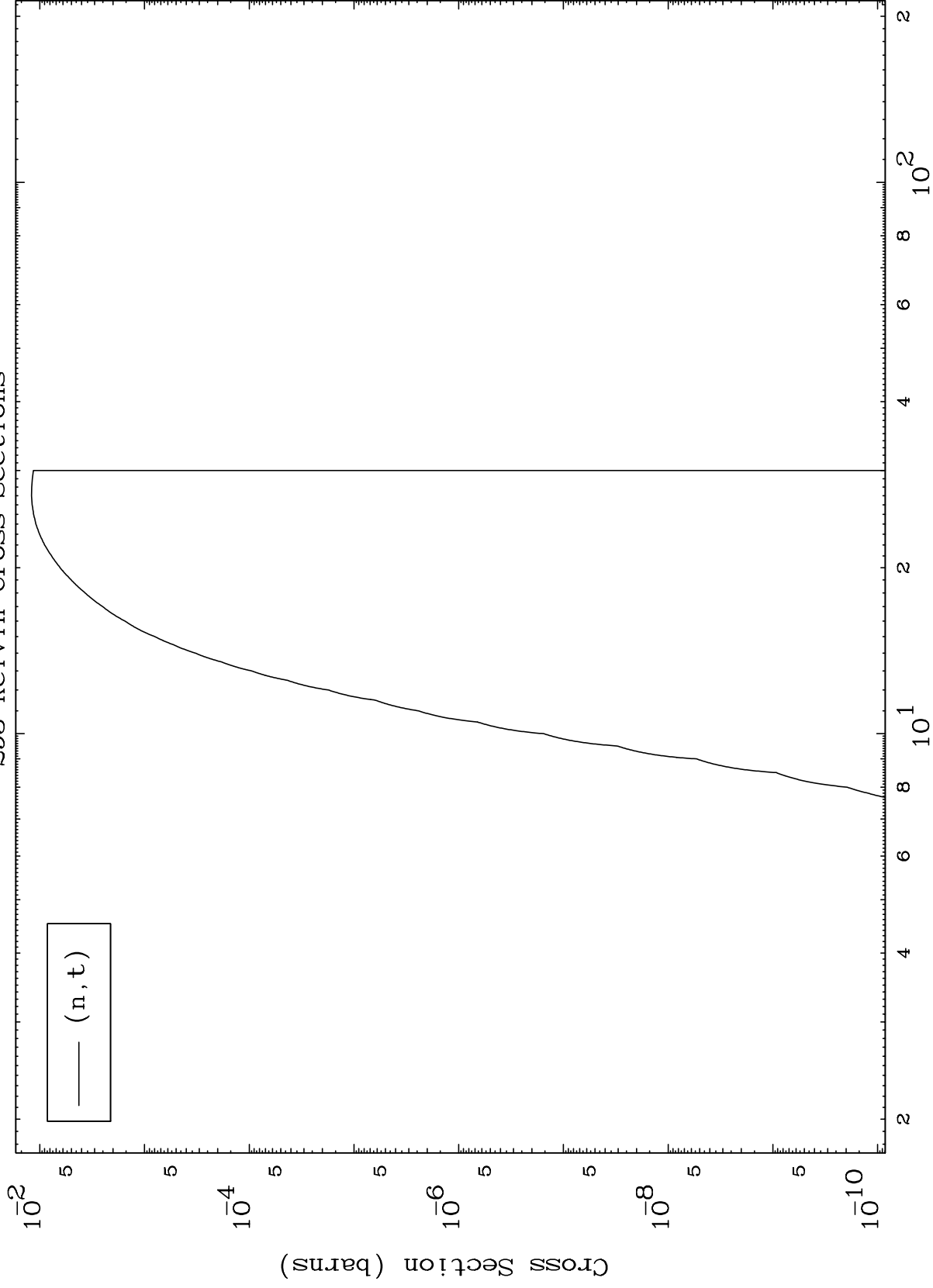
Incident Energy (MeV)

71-Lu-166

MAT 7100

(n,t) Levels  
293 Kelvin Cross Sections

71-Lu-166



12

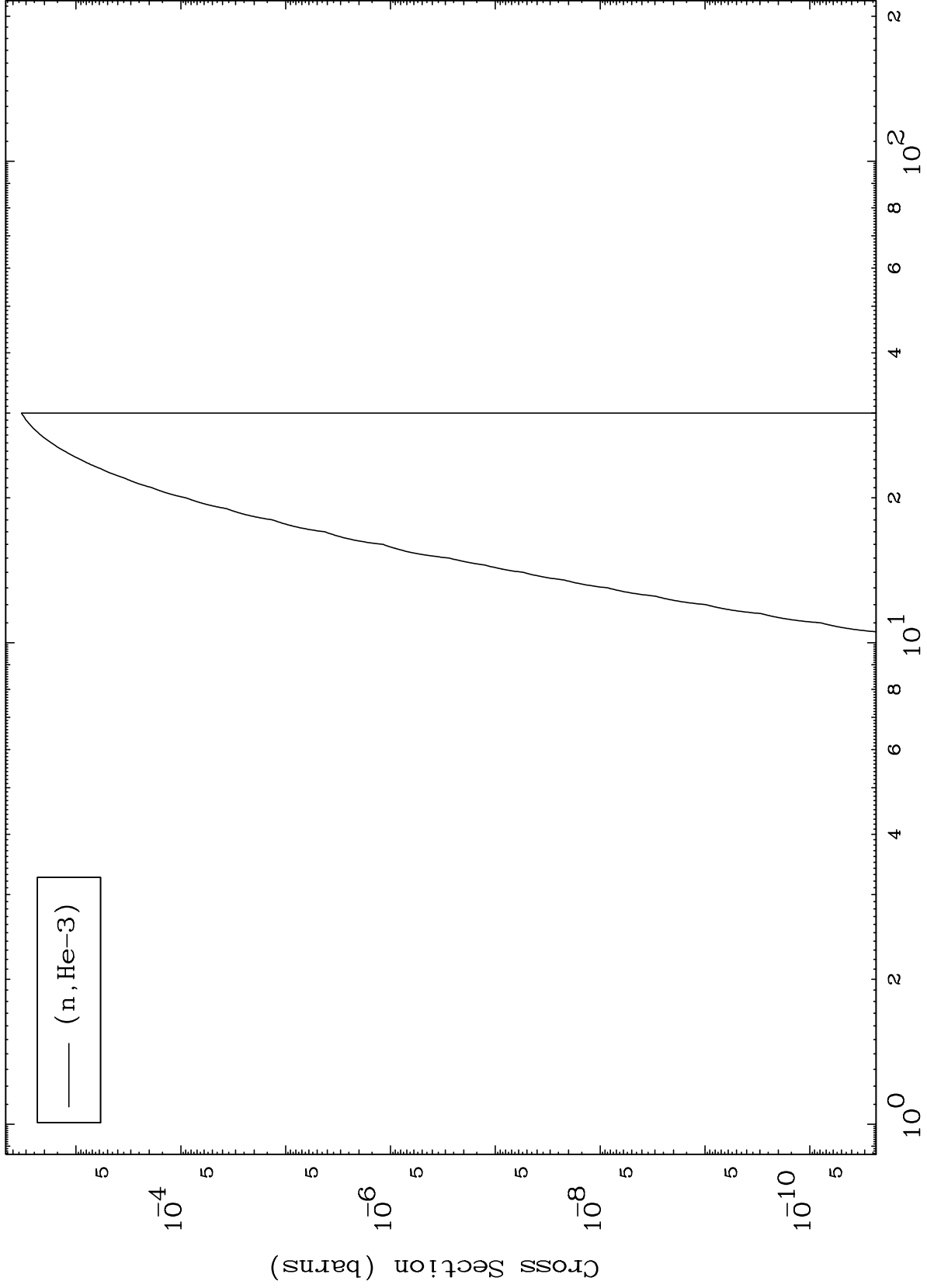
Incident Energy (MeV)

71-Lu-166

MAT 7100

(n,He3) Levels  
293 Kelvin Cross Sections

71-Lu-166



13

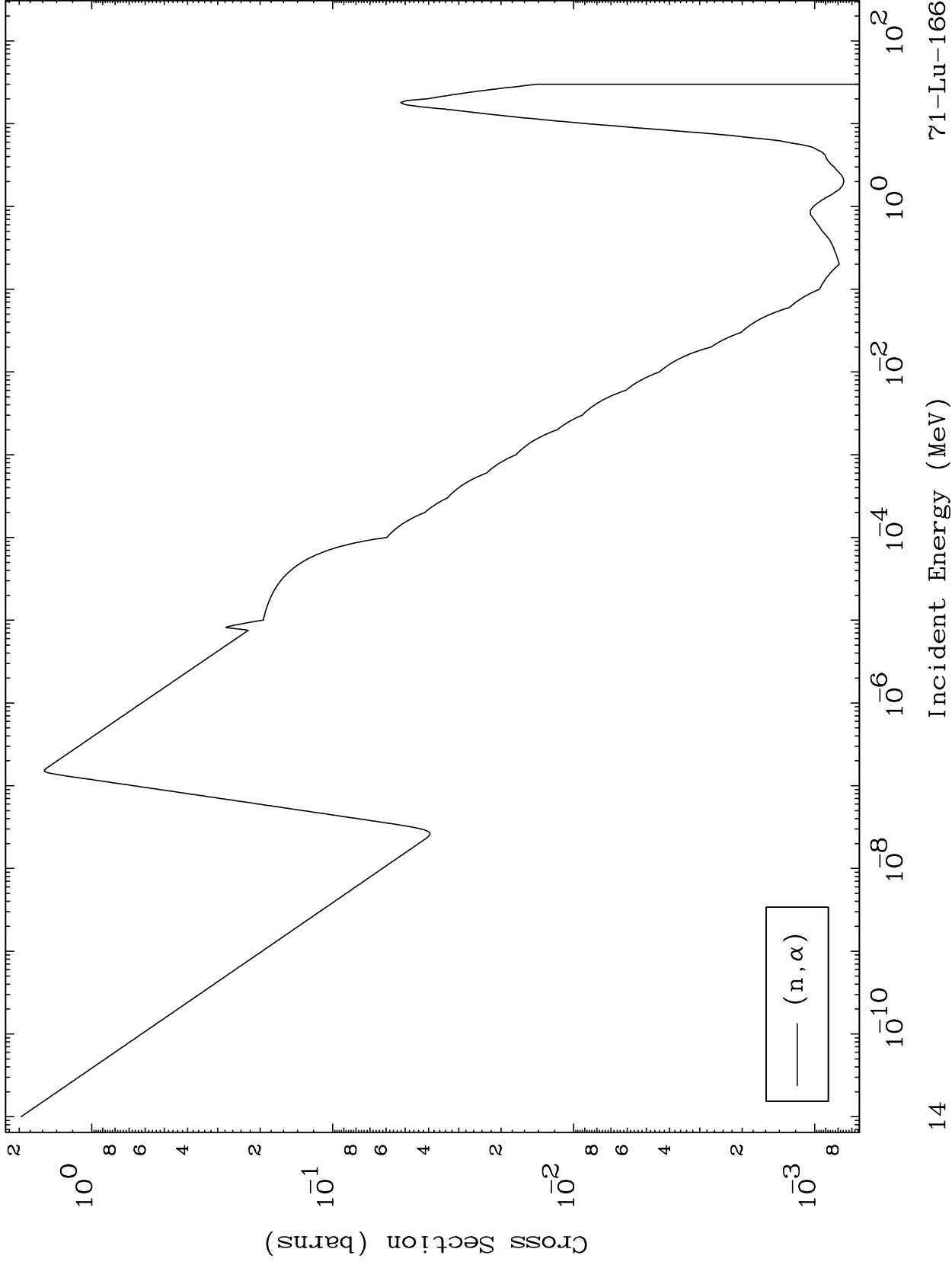
Incident Energy (MeV)

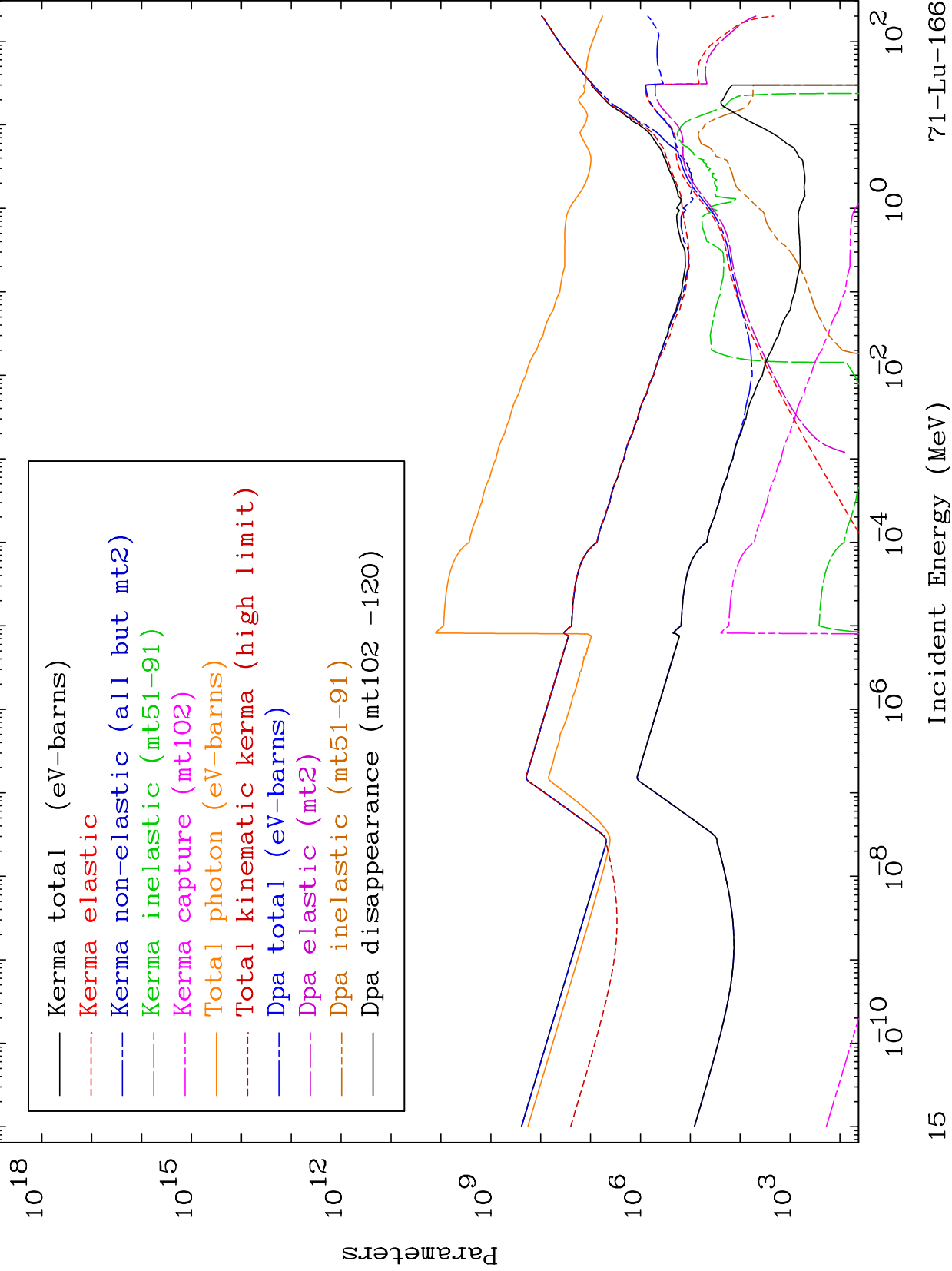
71-Lu-166

MAT 7100

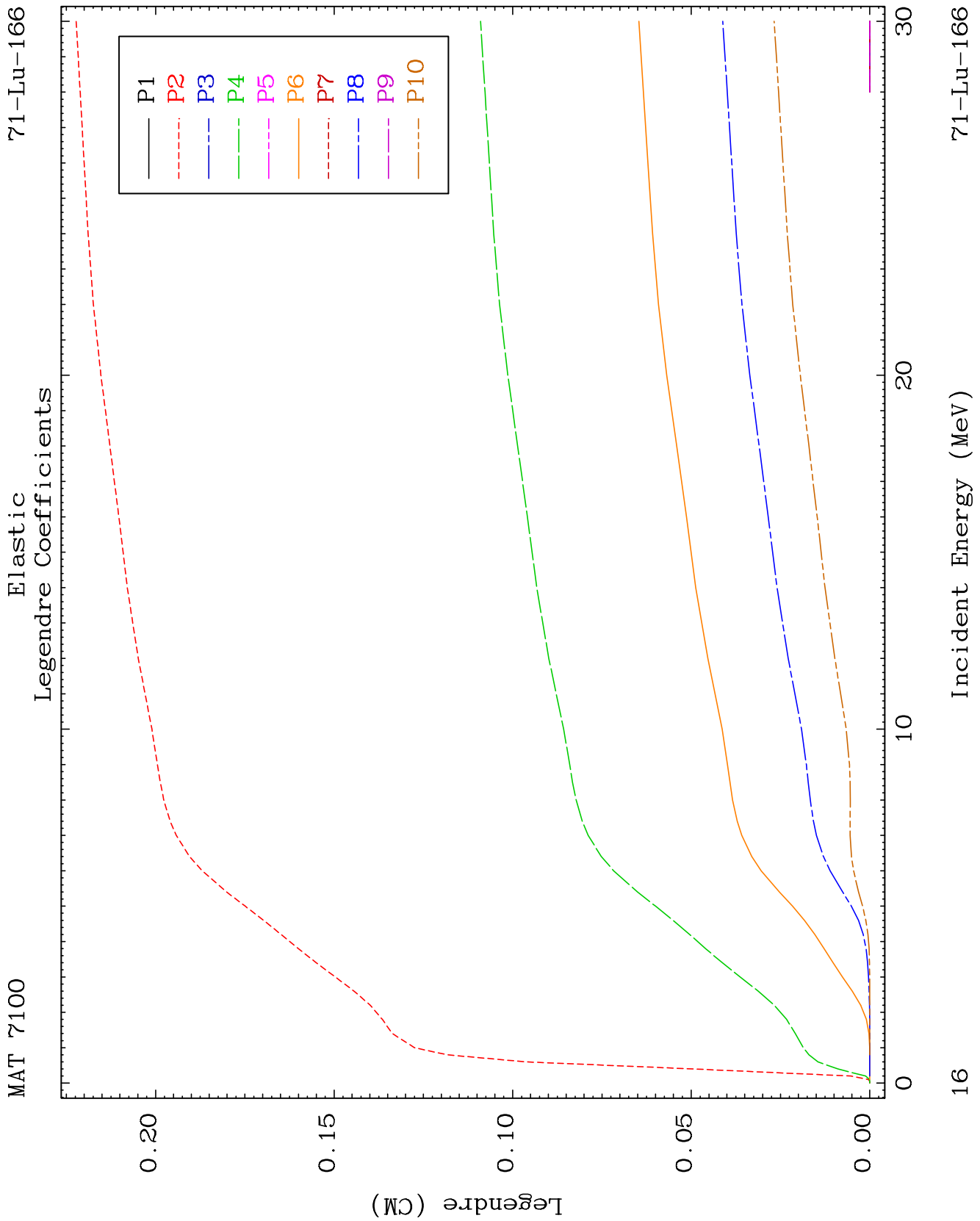
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

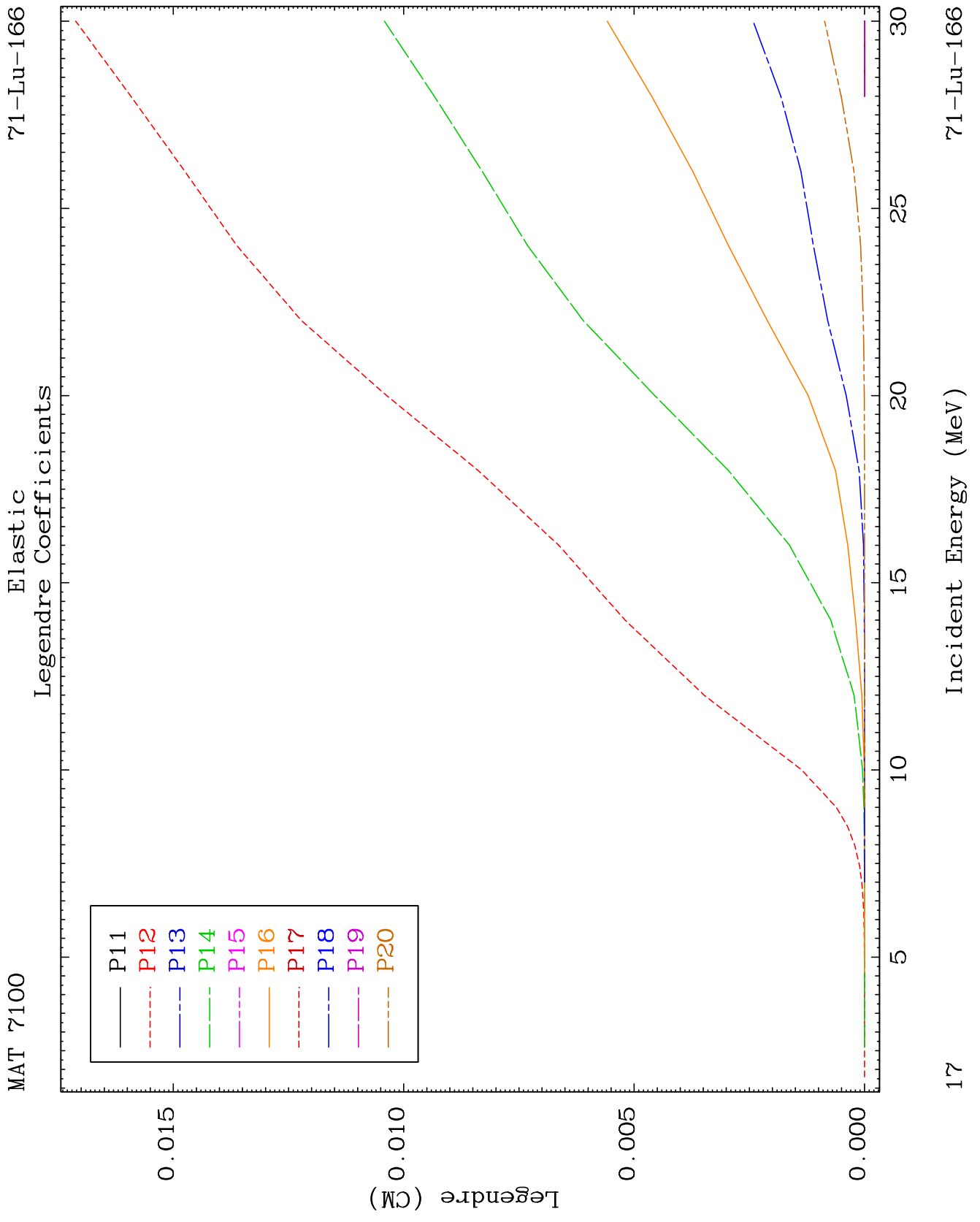
71-Lu-166









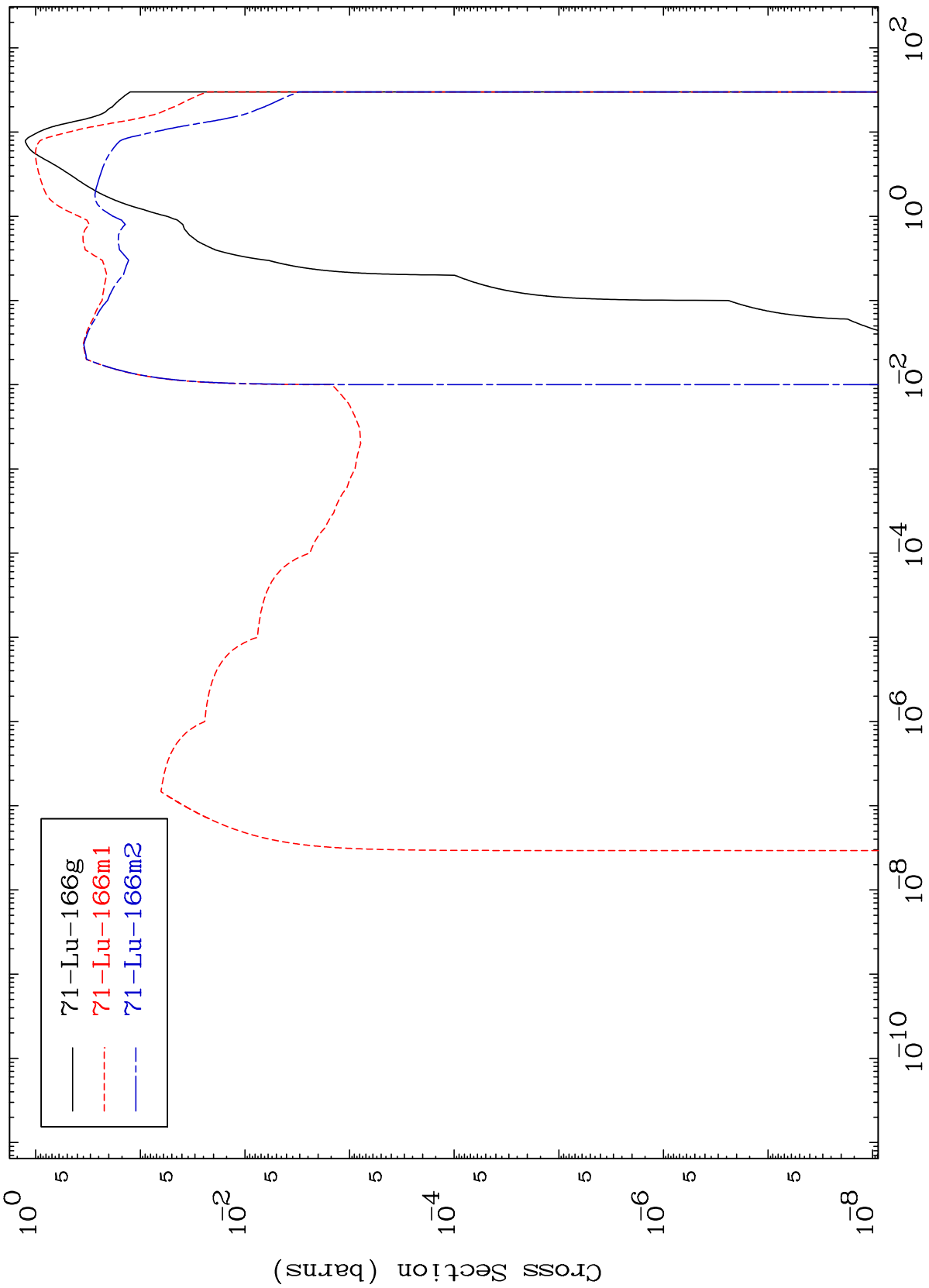




MAT 7100

71-Lu-166

Inelastic  
Radionuclide Production Cross Section

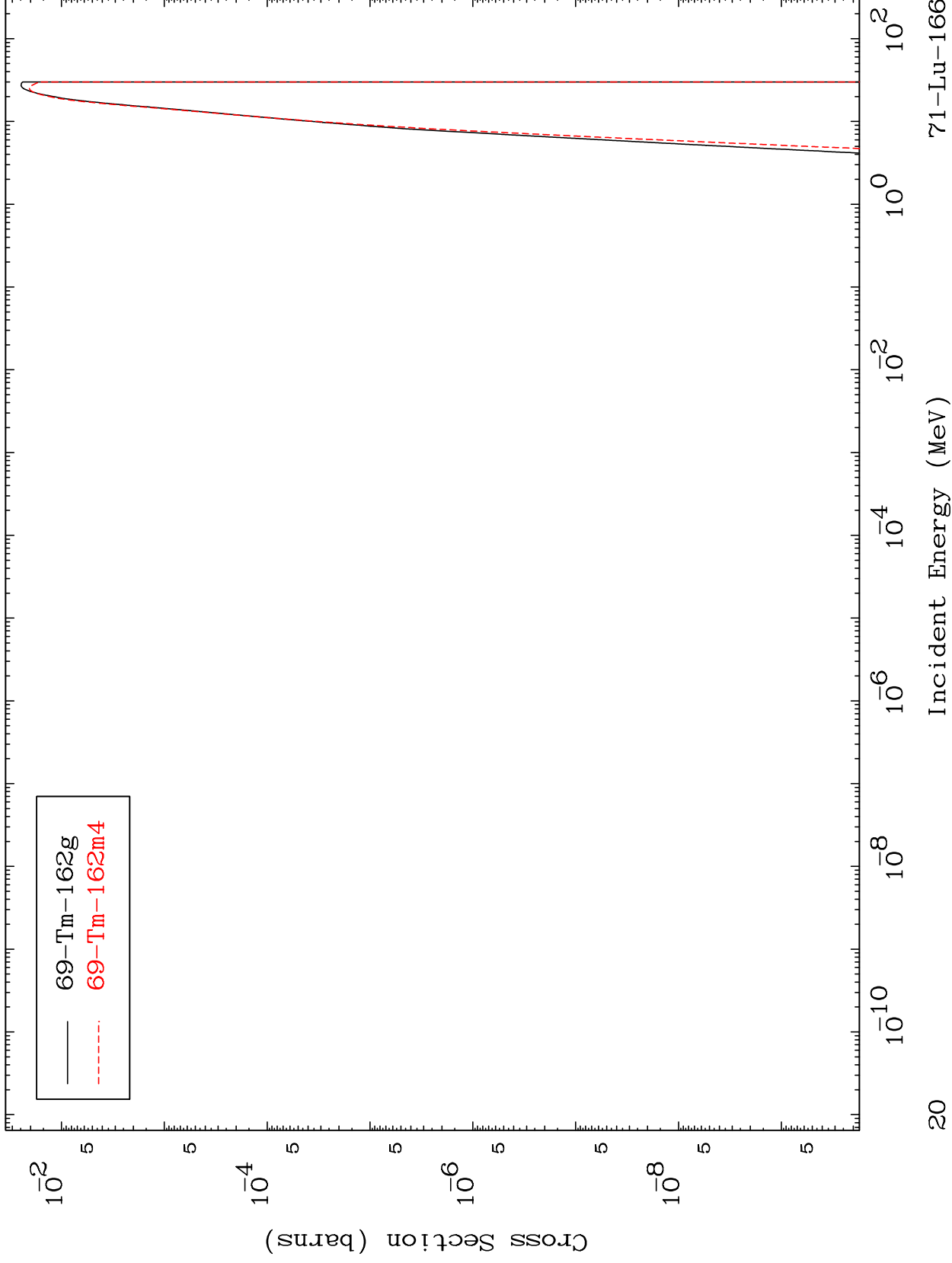


MAT 7100

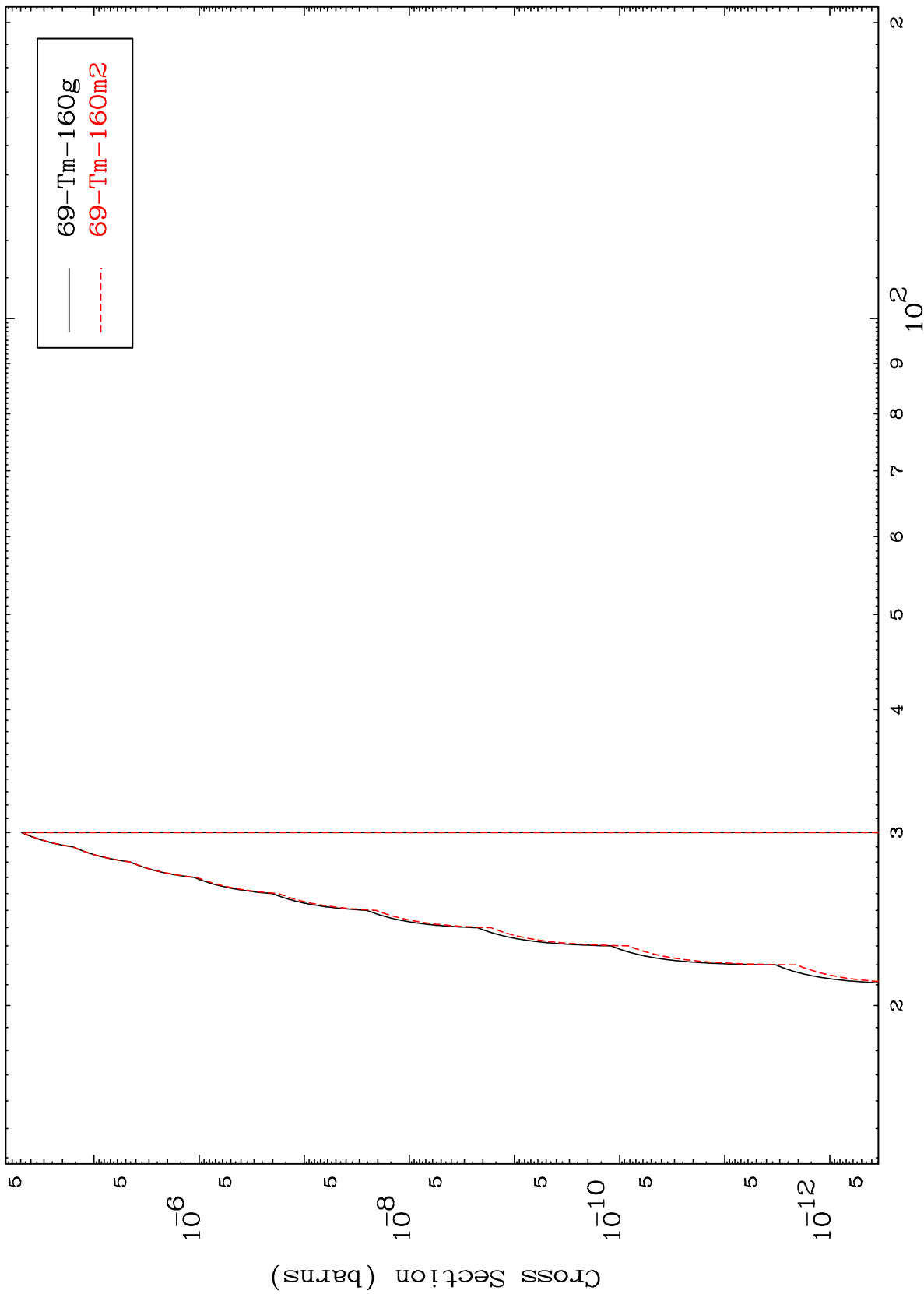
$(n, n') \alpha$

<sup>71</sup>Lu-166

Radionuclide Production Cross Section



Radionuclide Production Cross Section

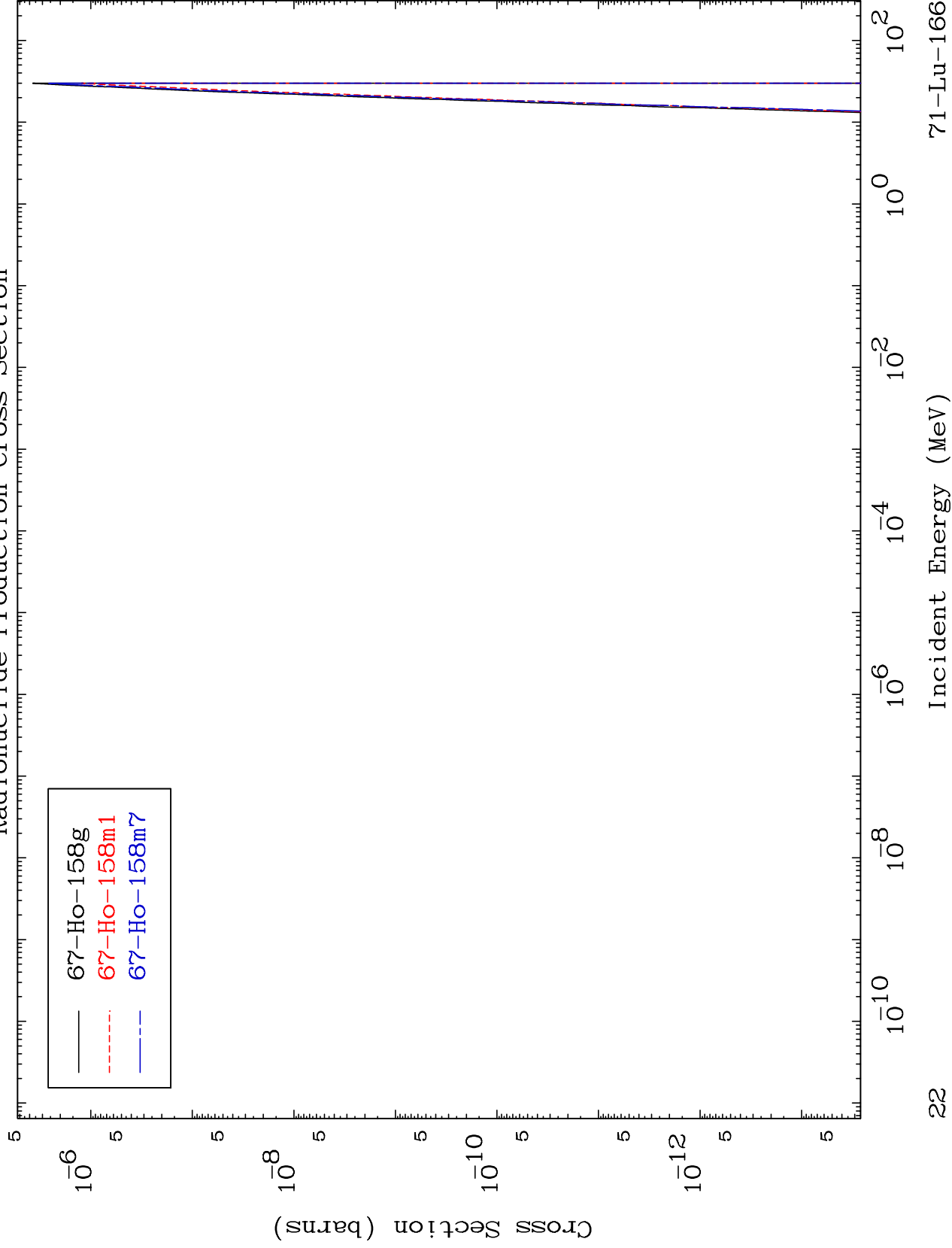


MAT 7100

(n,n') 2α

71-Lu-166

Radionuclide Production Cross Section

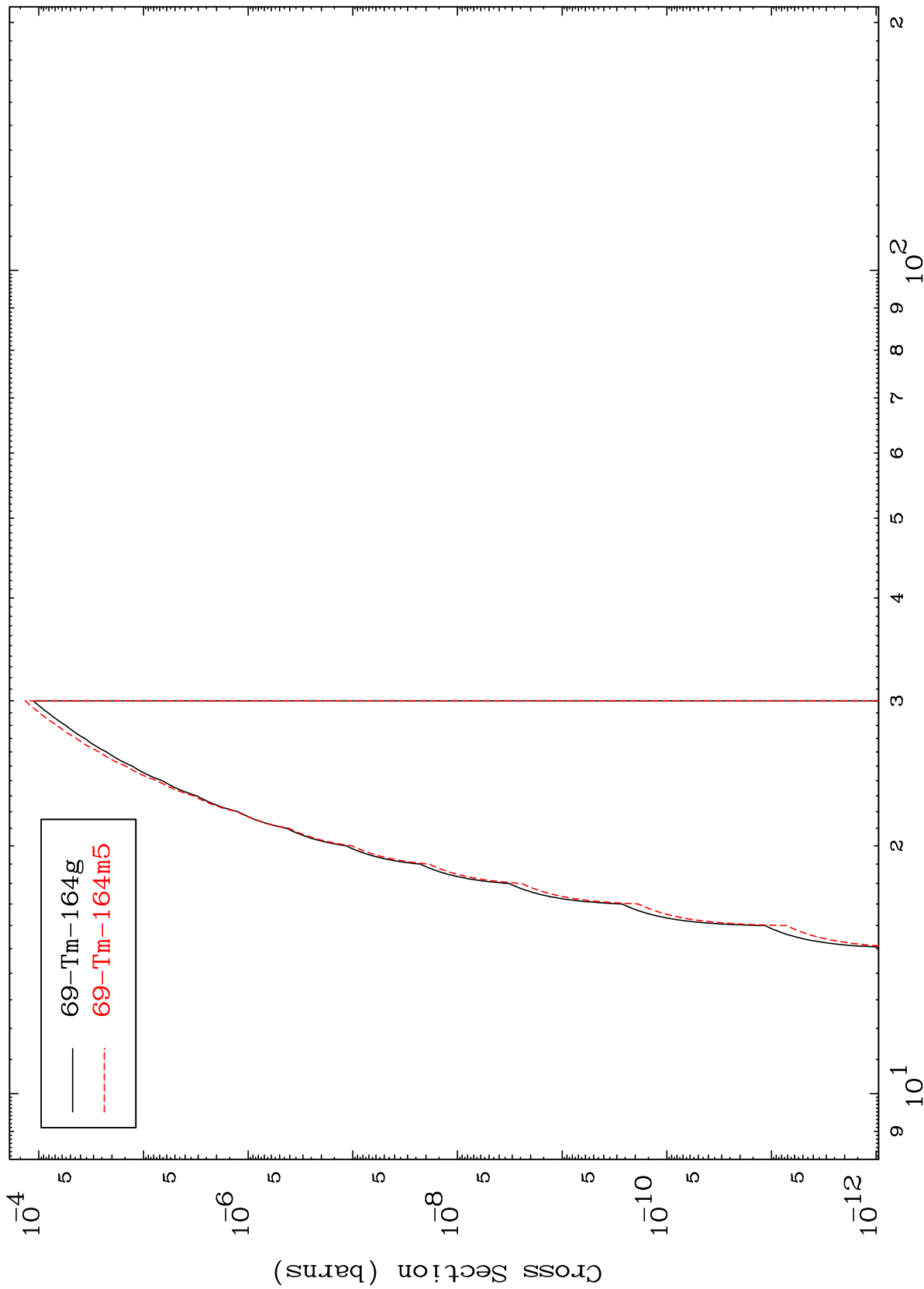


MAT 7100

(n,2n) p

<sup>71</sup>Lu-166

Radionuclide Production Cross Section



23

Incident Energy (MeV)

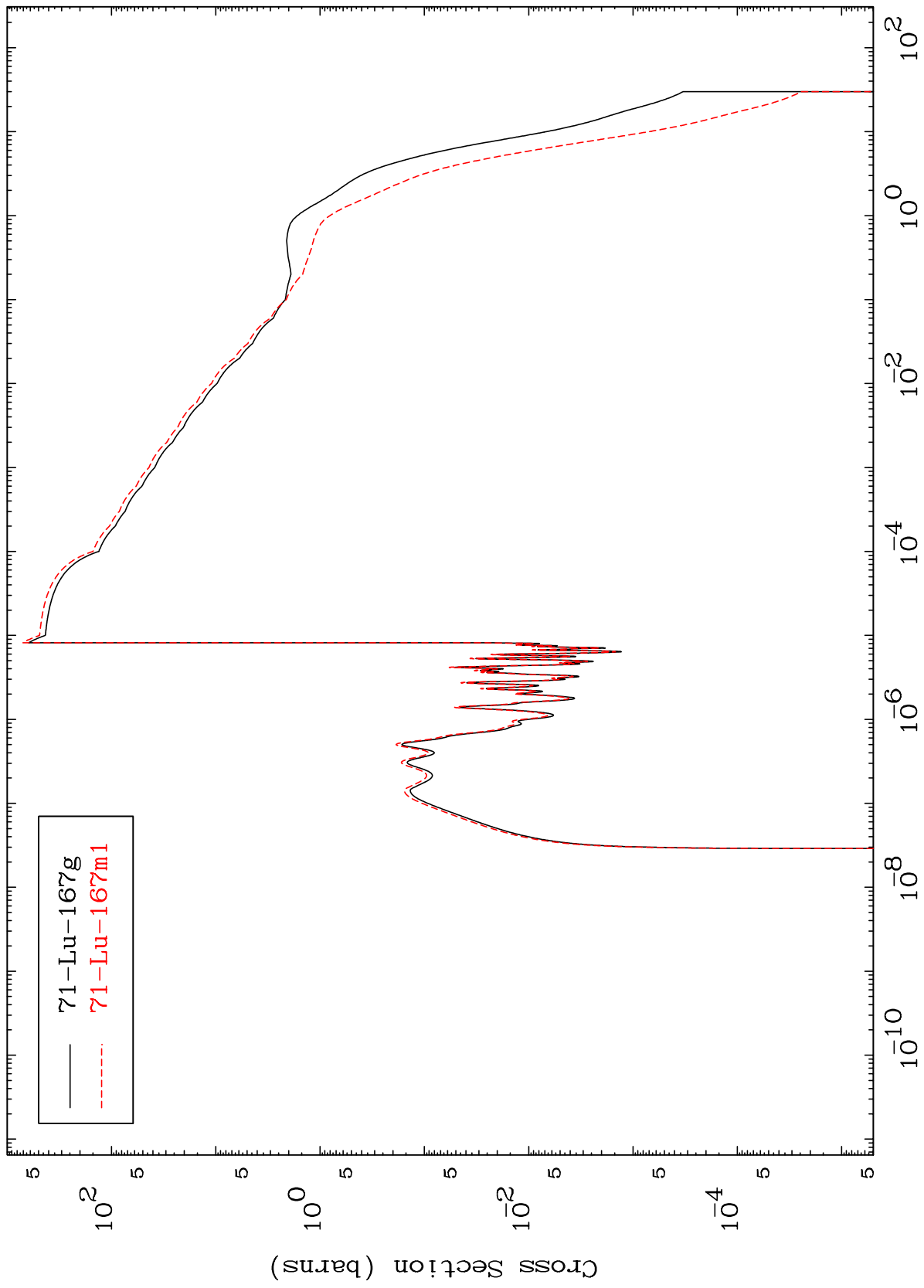
<sup>71</sup>Lu-166



MAT 7100

71-Lu-166

Radionuclide Production Cross Section



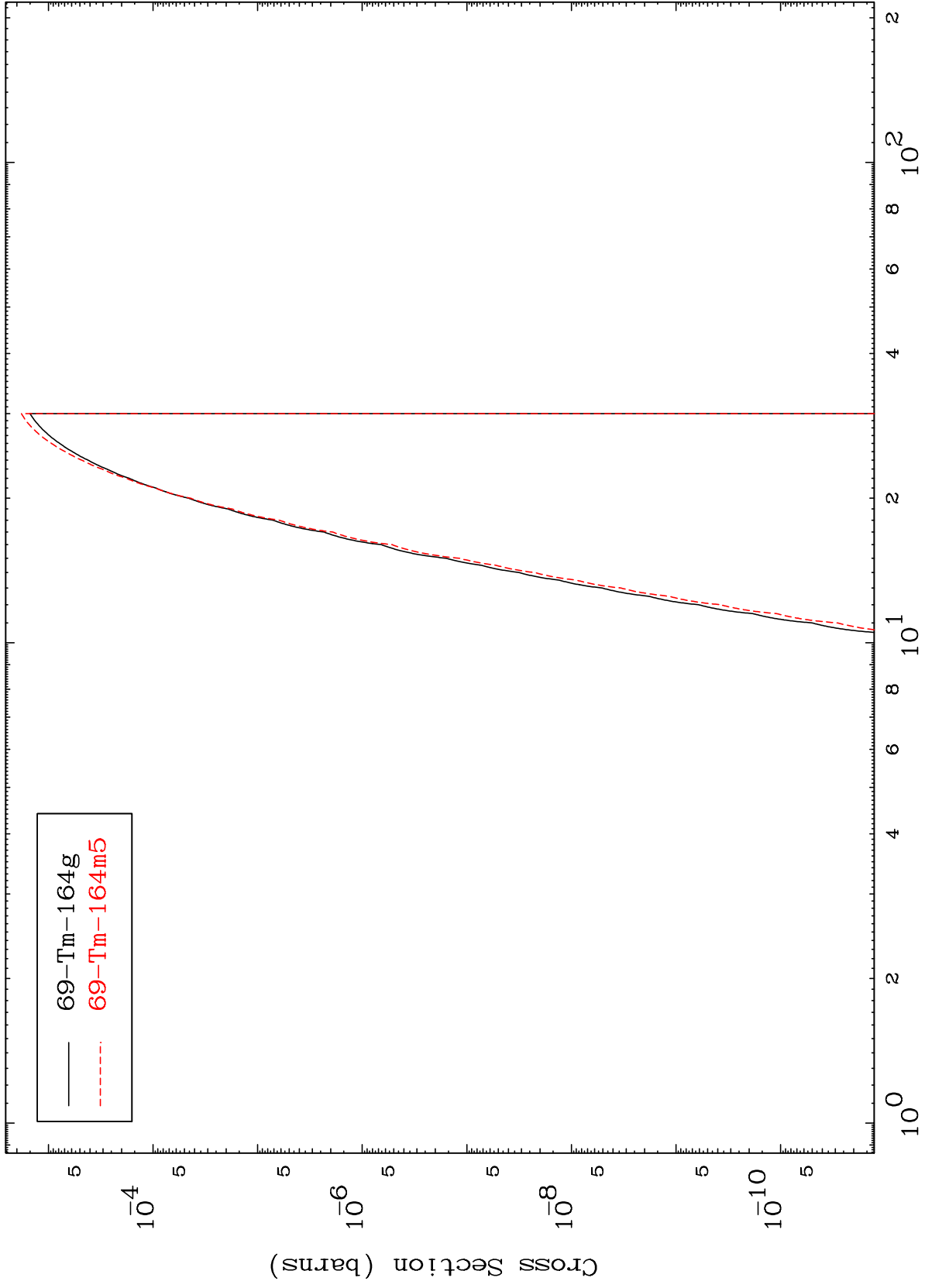
24

MAT 7100

(n,He-3)

71-Lu-166

Radionuclide Production Cross Section



69-Tm-164g  
69-Tm-164m5

Incident Energy (MeV)

71-Lu-166

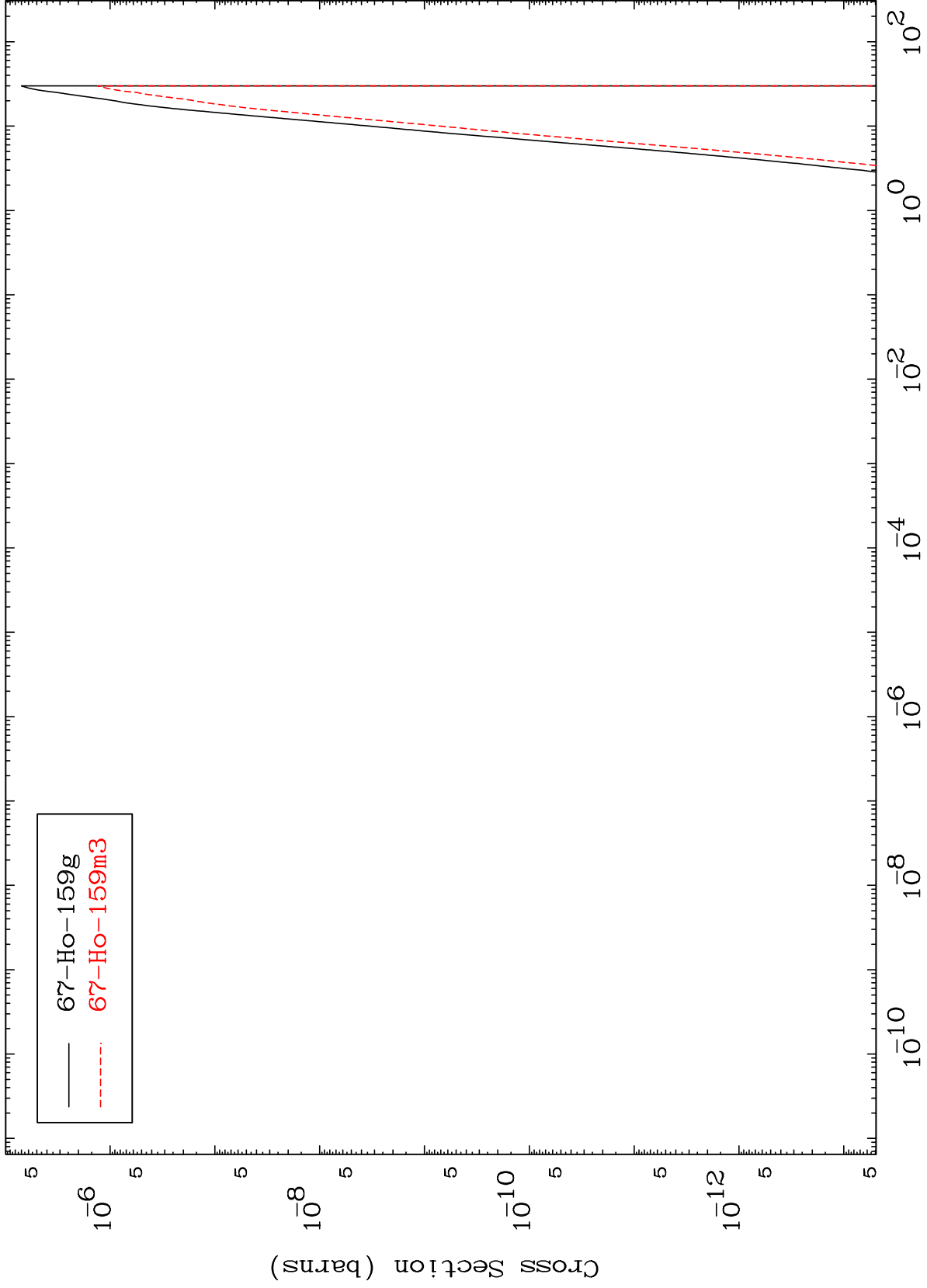
25

MAT 7100

(n,2α)

71-Lu-166

Radionuclide Production Cross Section



Incident Energy (MeV)

71-Lu-166

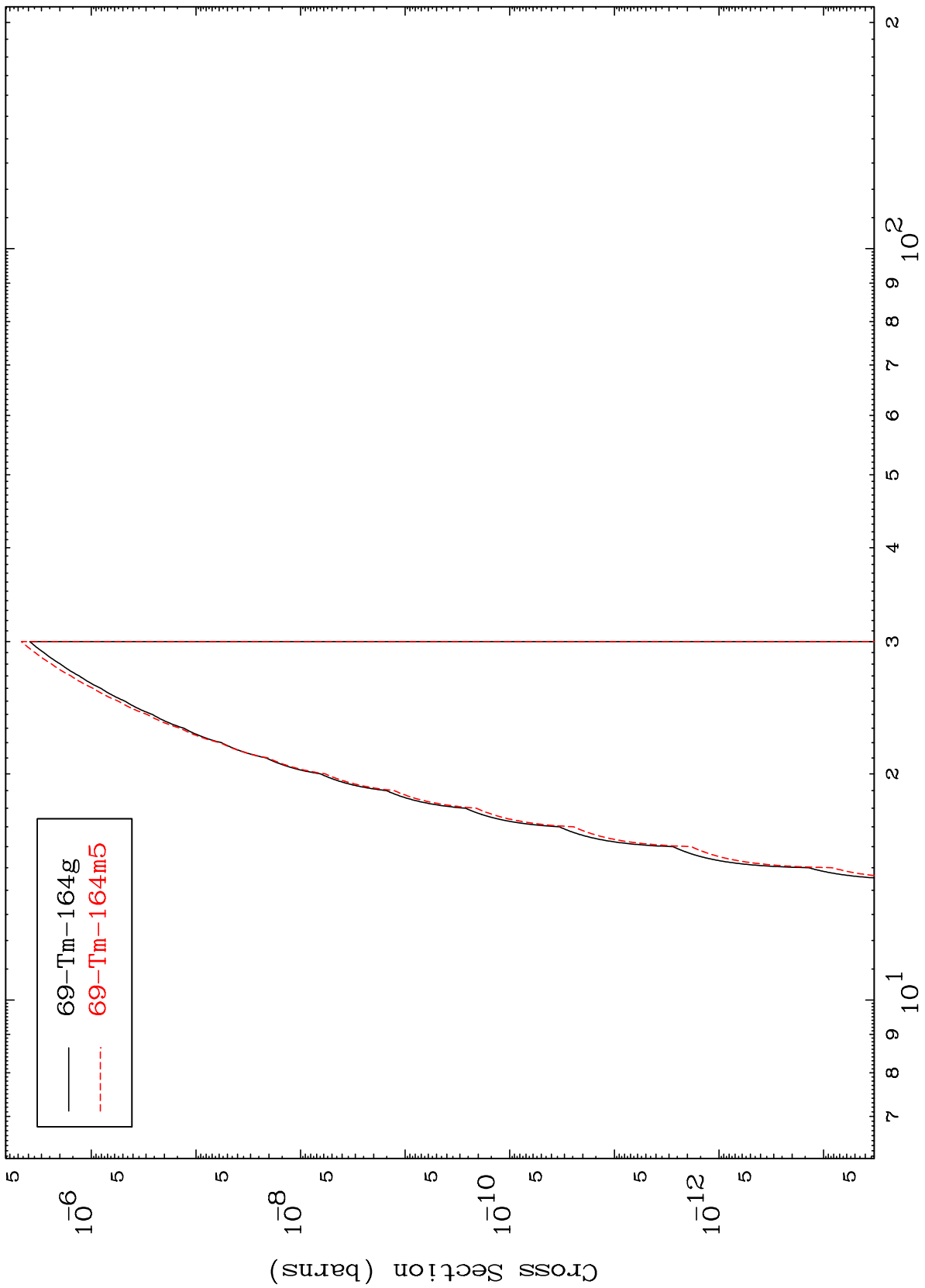
26

MAT 7100

(n,p) d

71-Lu-166

Radionuclide Production Cross Section



69-Tm-164g  
69-Tm-164m5