

Program EVALPLOT  
(Version 2017-1)

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)

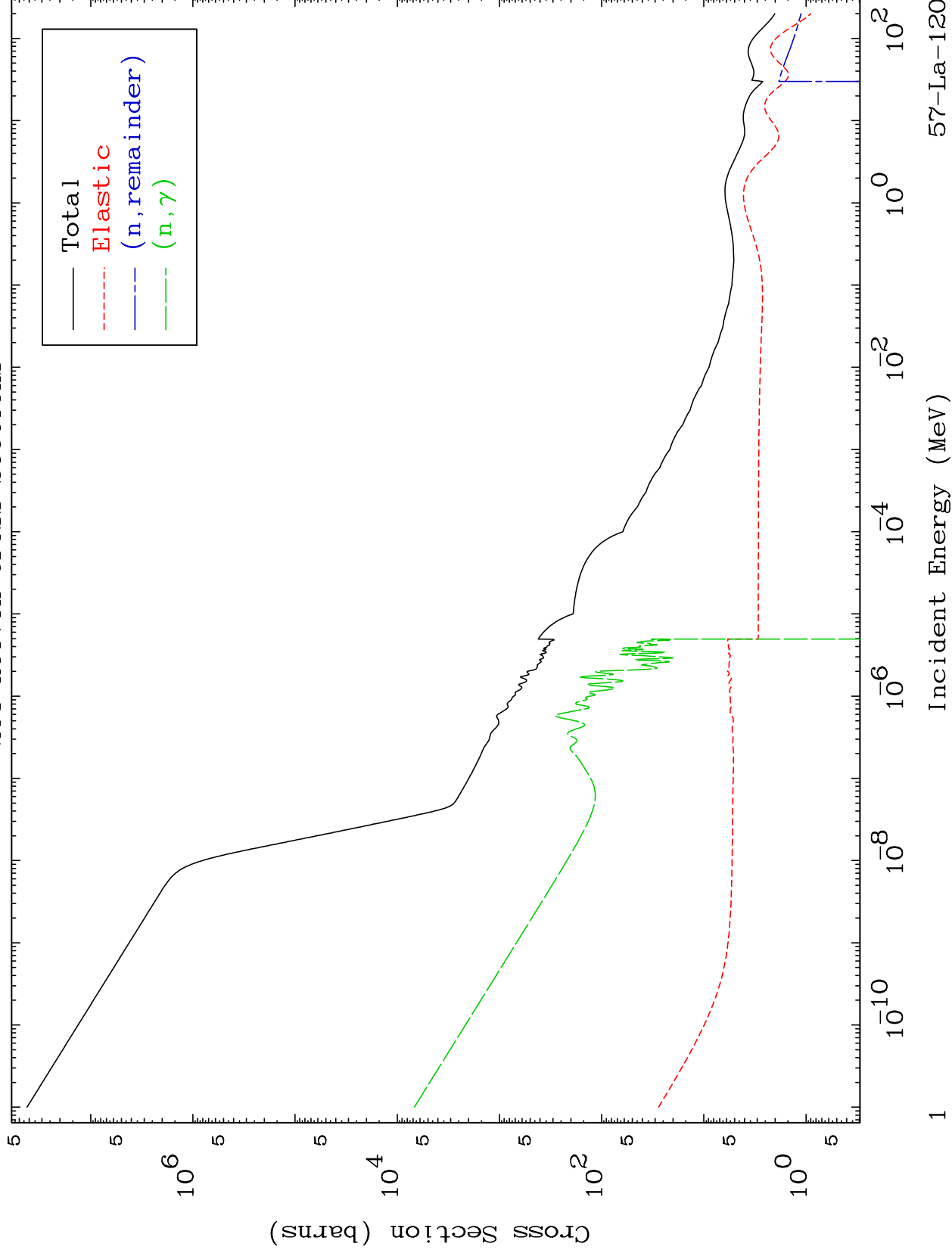
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5671

Major  
293 Kelvin Cross Sections

57-La-120



1

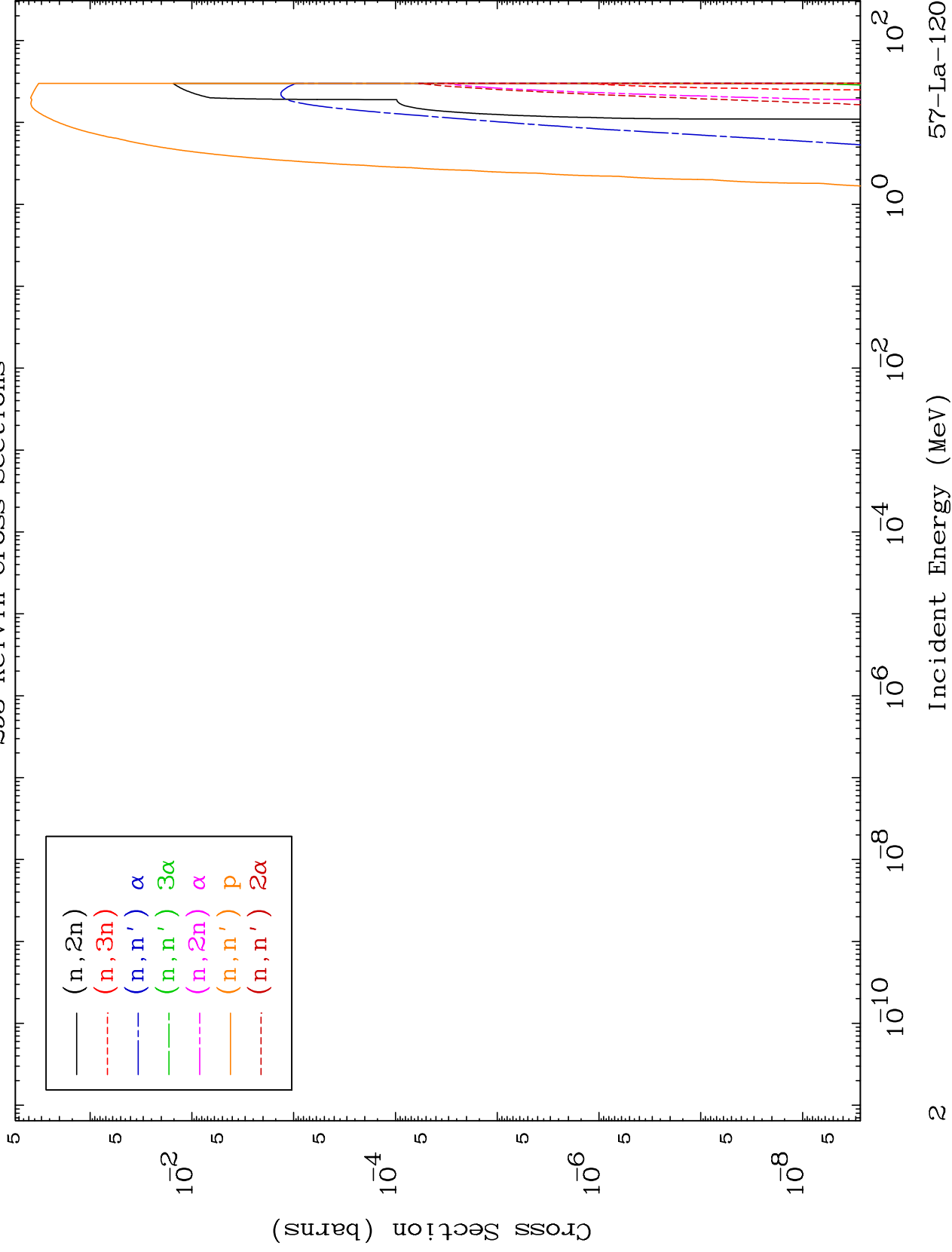
Incident Energy (MeV)

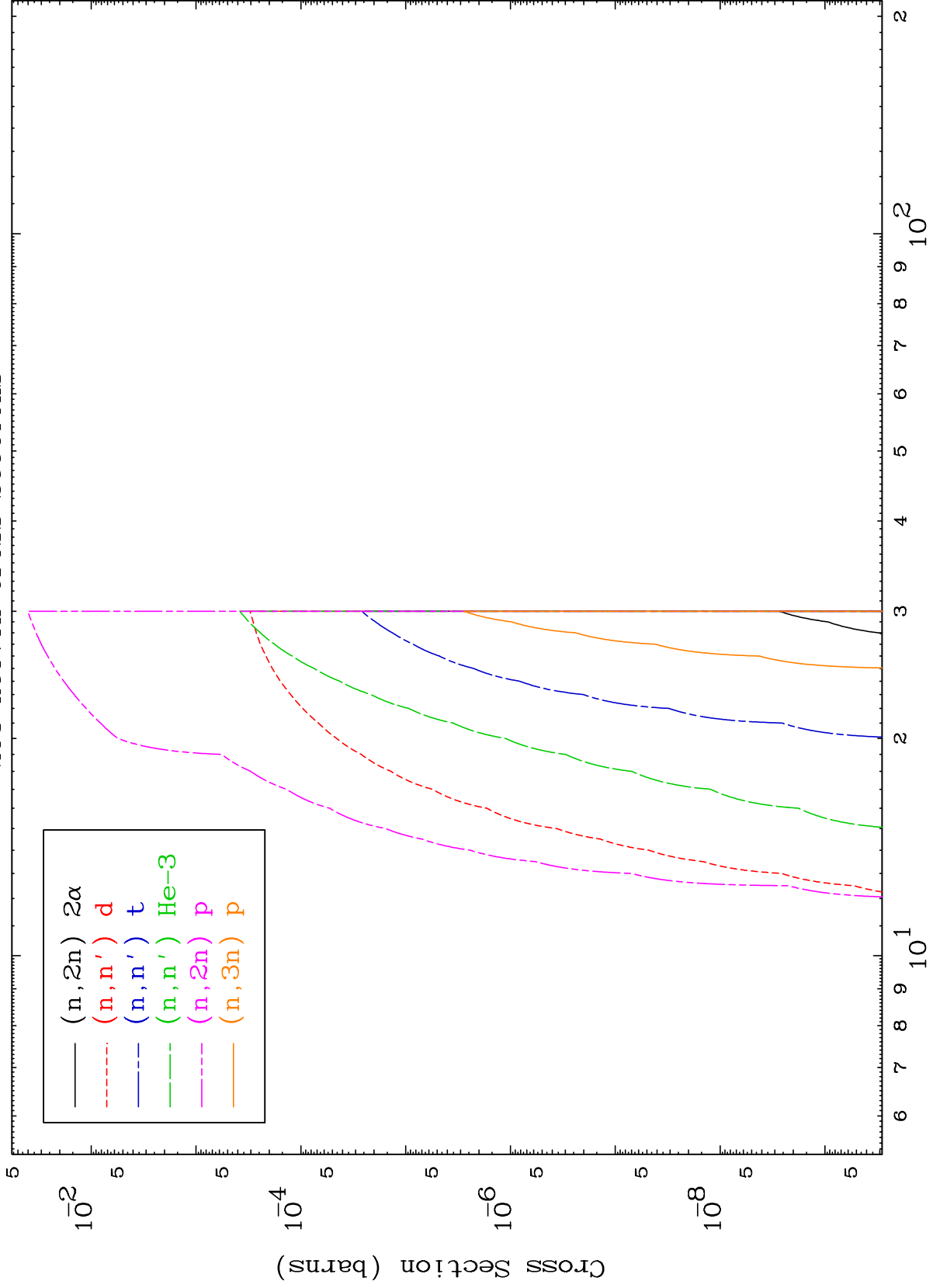
57-La-120

MAT 5671

Neutron Production  
293 Kelvin Cross Sections

57-La-120

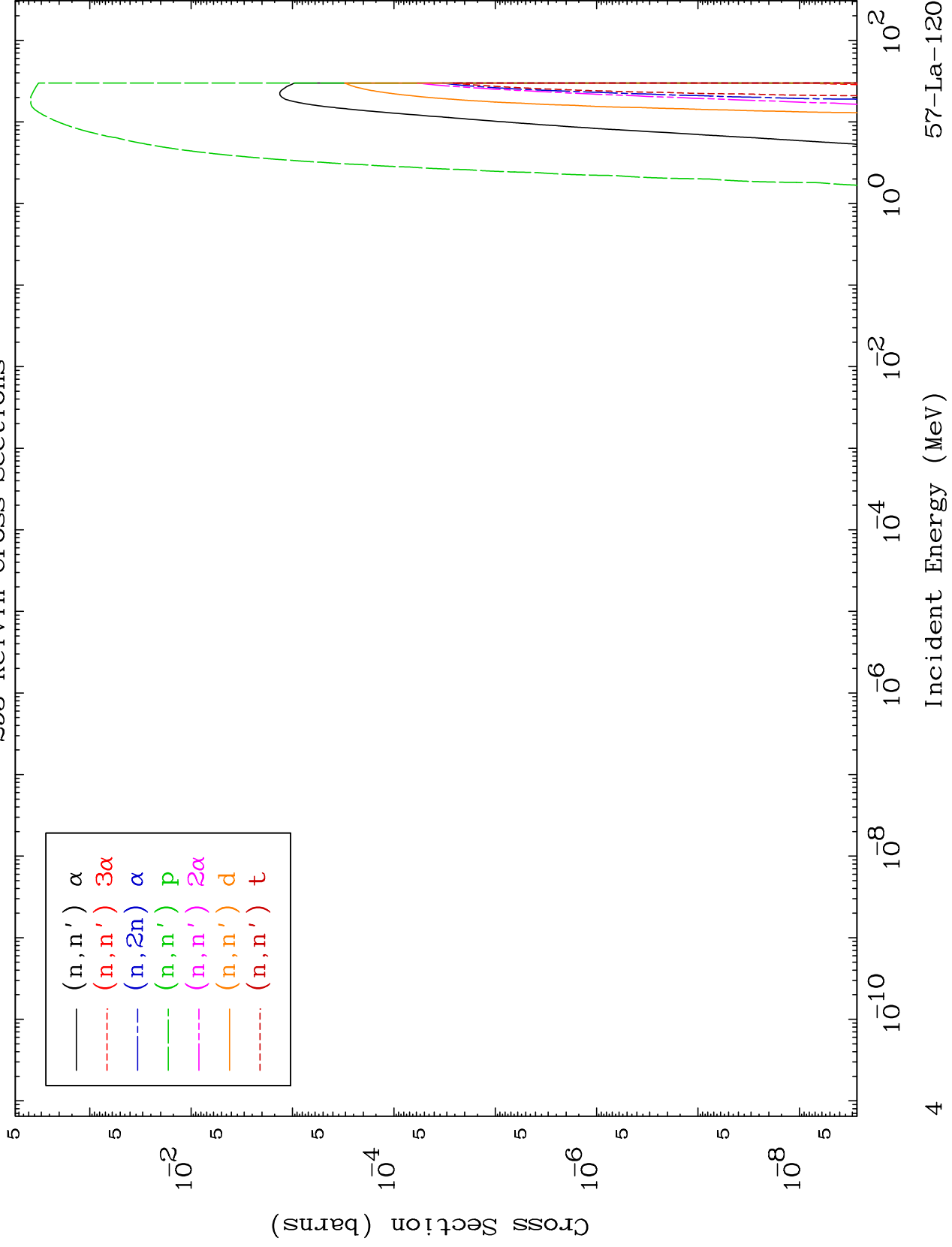




MAT 5671

Charged Particle  
293 Kelvin Cross Sections

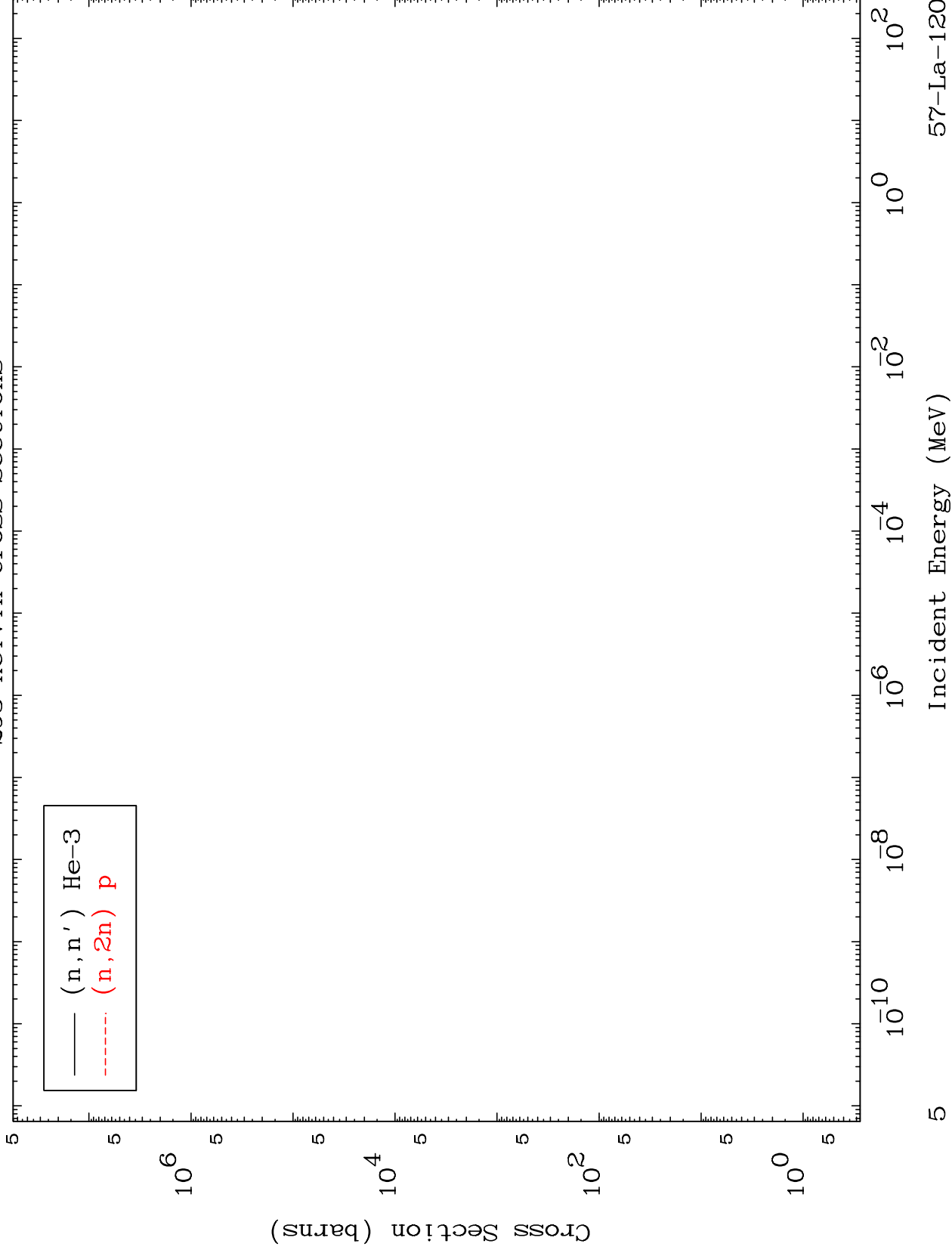
57-La-120



MAT 5671

Charged Particle  
293 Kelvin Cross Sections

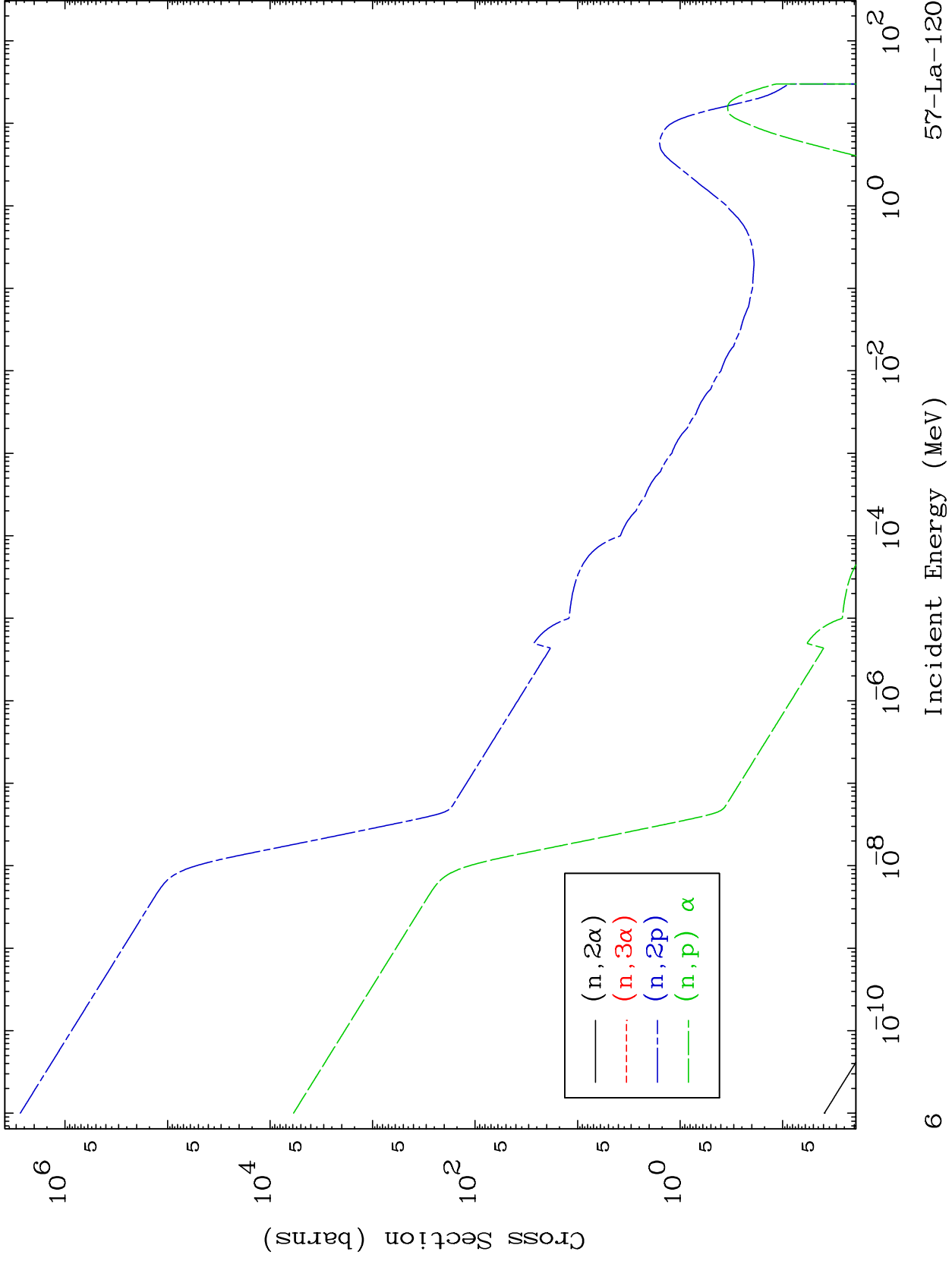
57-La-120



MAT 5671

Charged Particle  
293 Kelvin Cross Sections

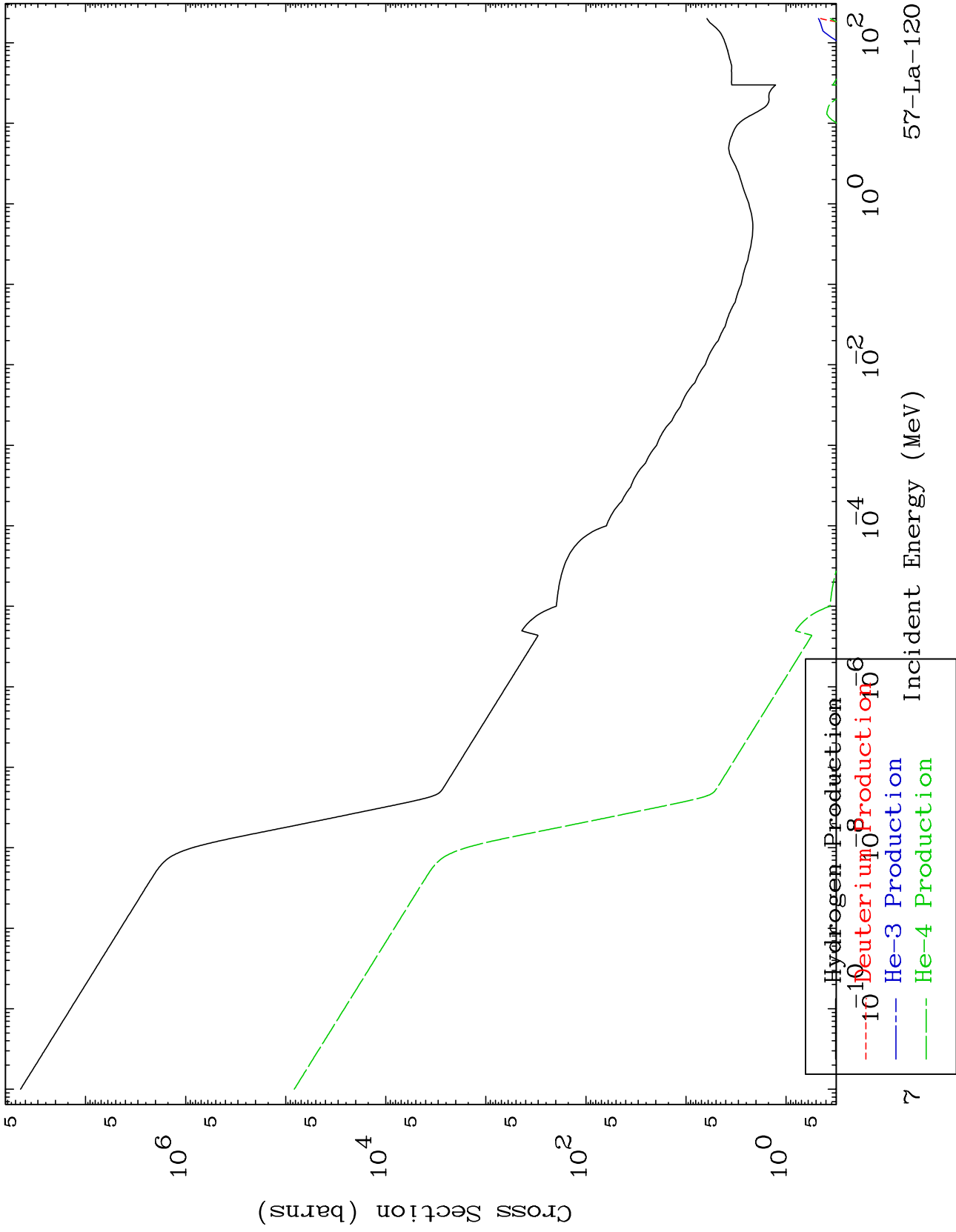
57-La-120



MAT 5671

Particle Production  
293 Kelvin Cross Sections

57-La-120

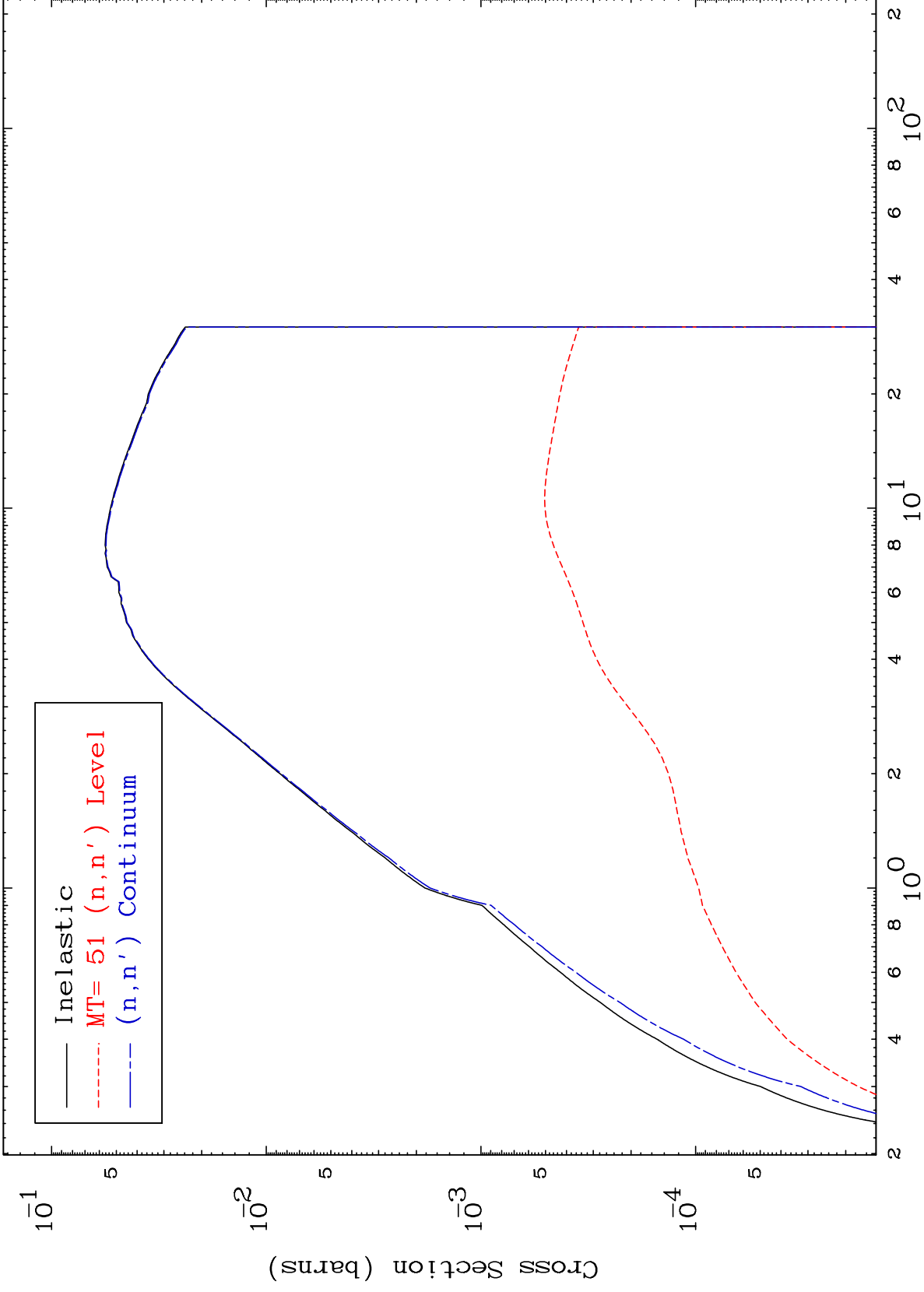




MAT 5671

293 Kelvin Cross Sections  
(n,n') Level

57-La-120



8

Incident Energy (MeV)

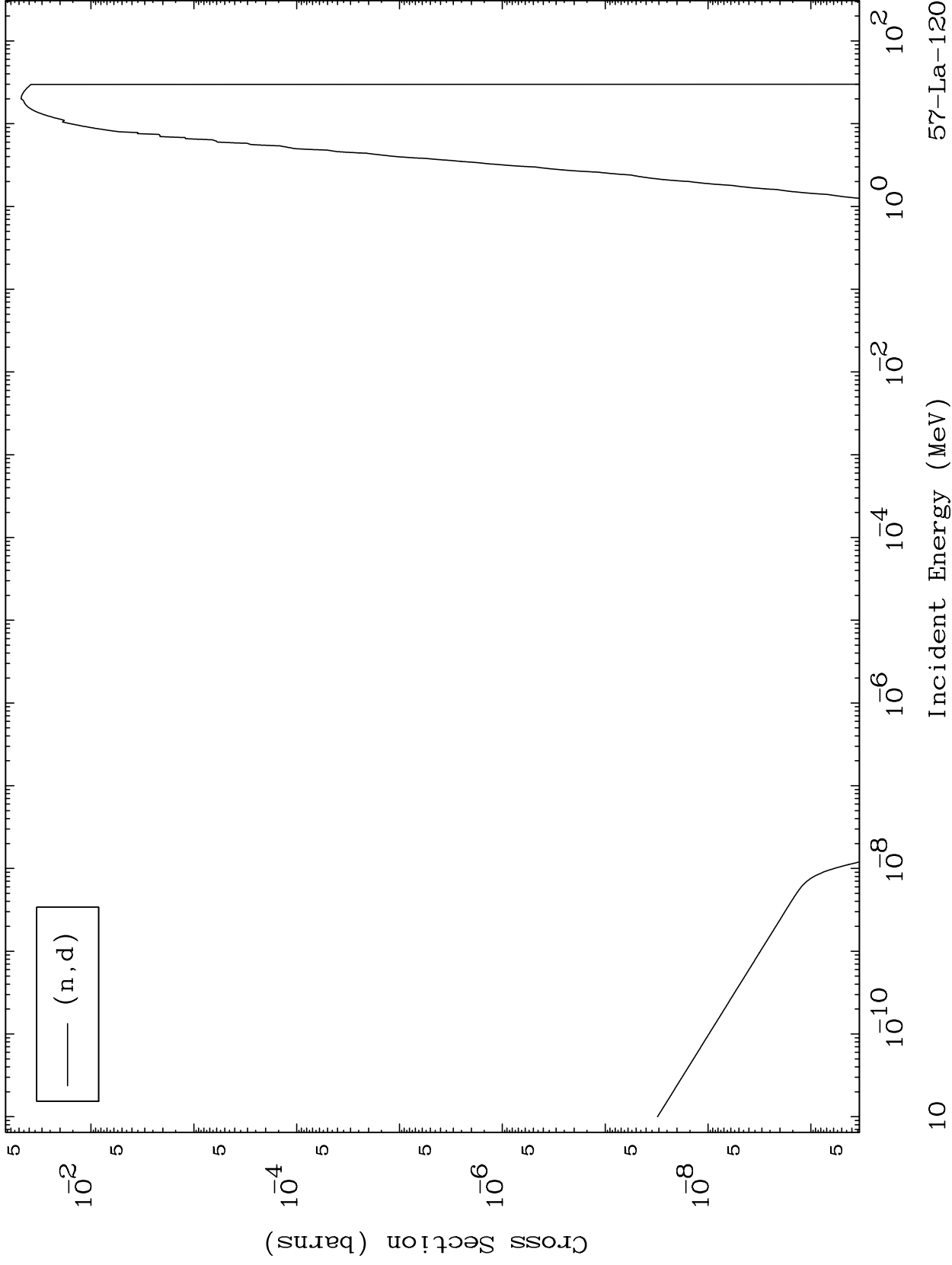
57-La-120



MAT 5671

(n,d) Levels  
293 Kelvin Cross Sections

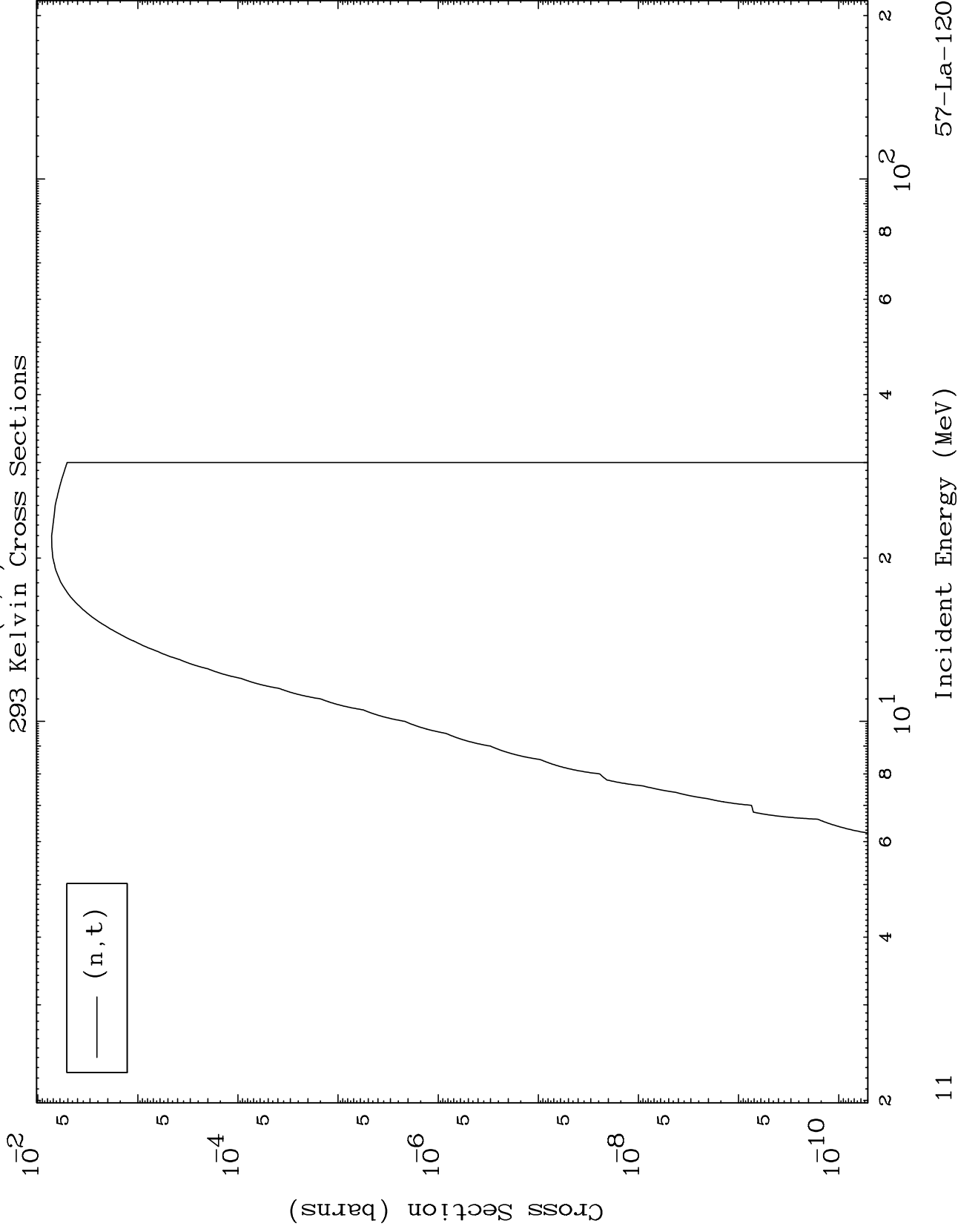
57-La-120



MAT 5671

(n,t) Levels  
293 Kelvin Cross Sections

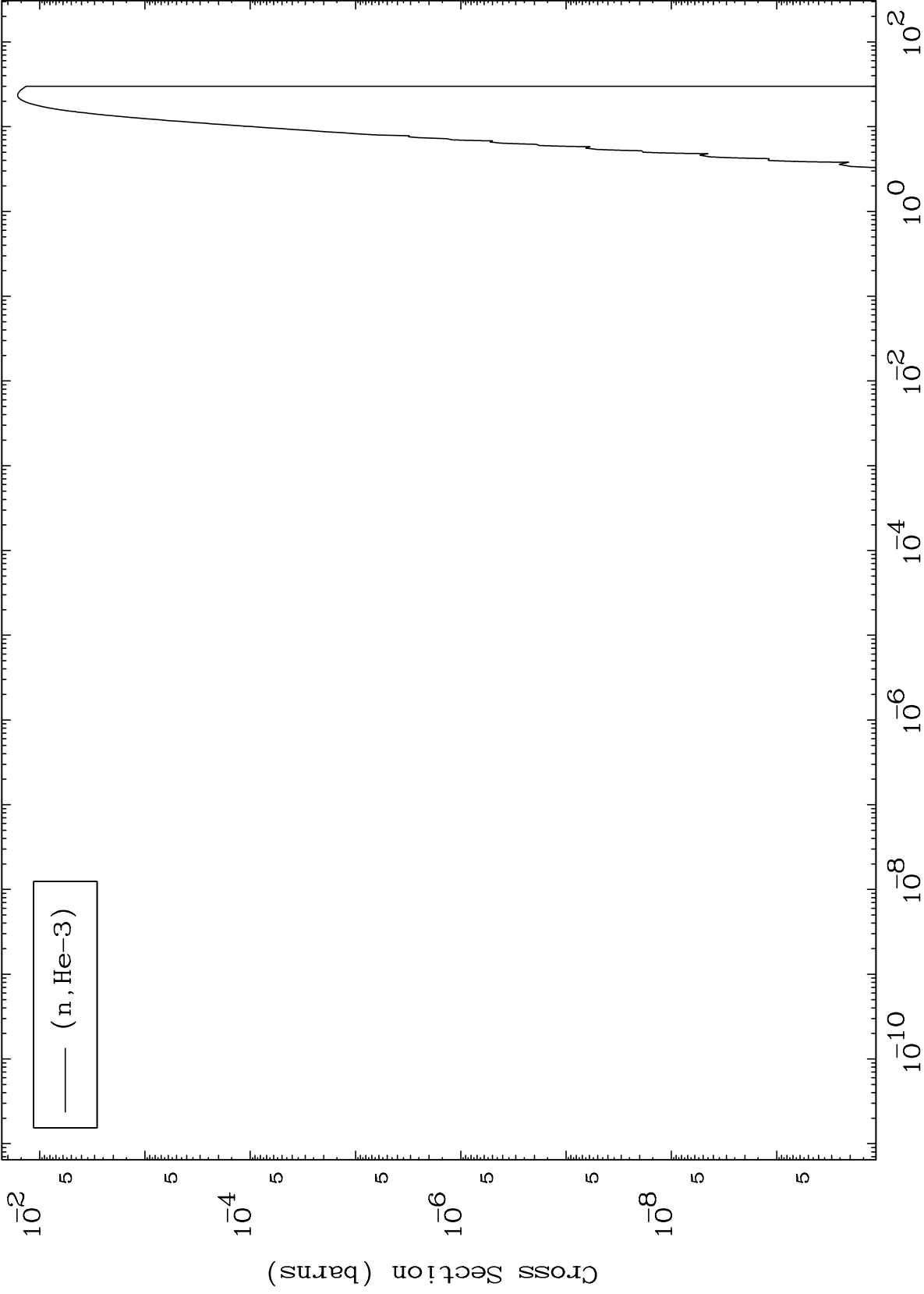
57-La-120



MAT 5671

(n,He3) Levels  
293 Kelvin Cross Sections

57-La-120



12

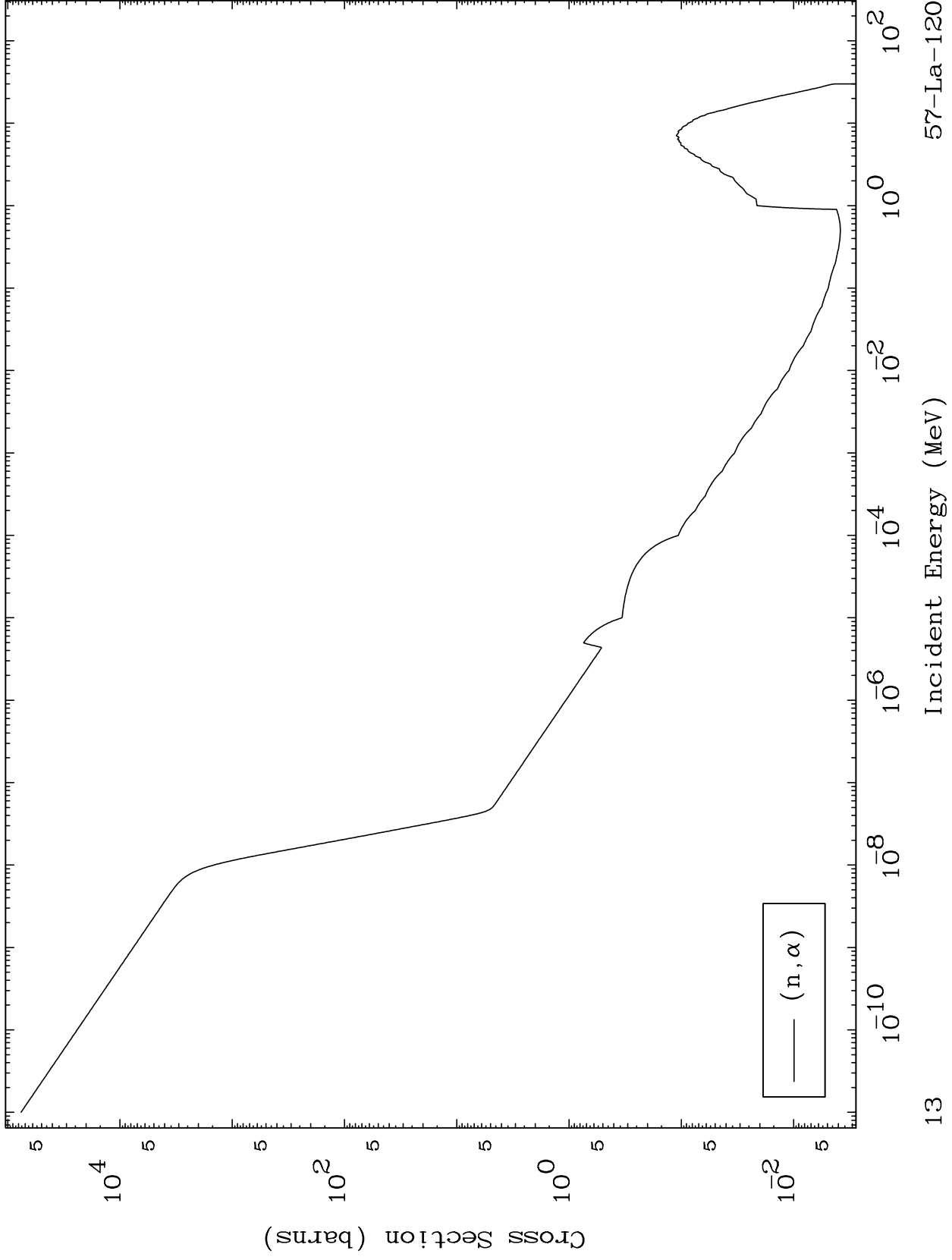
Incident Energy (MeV)

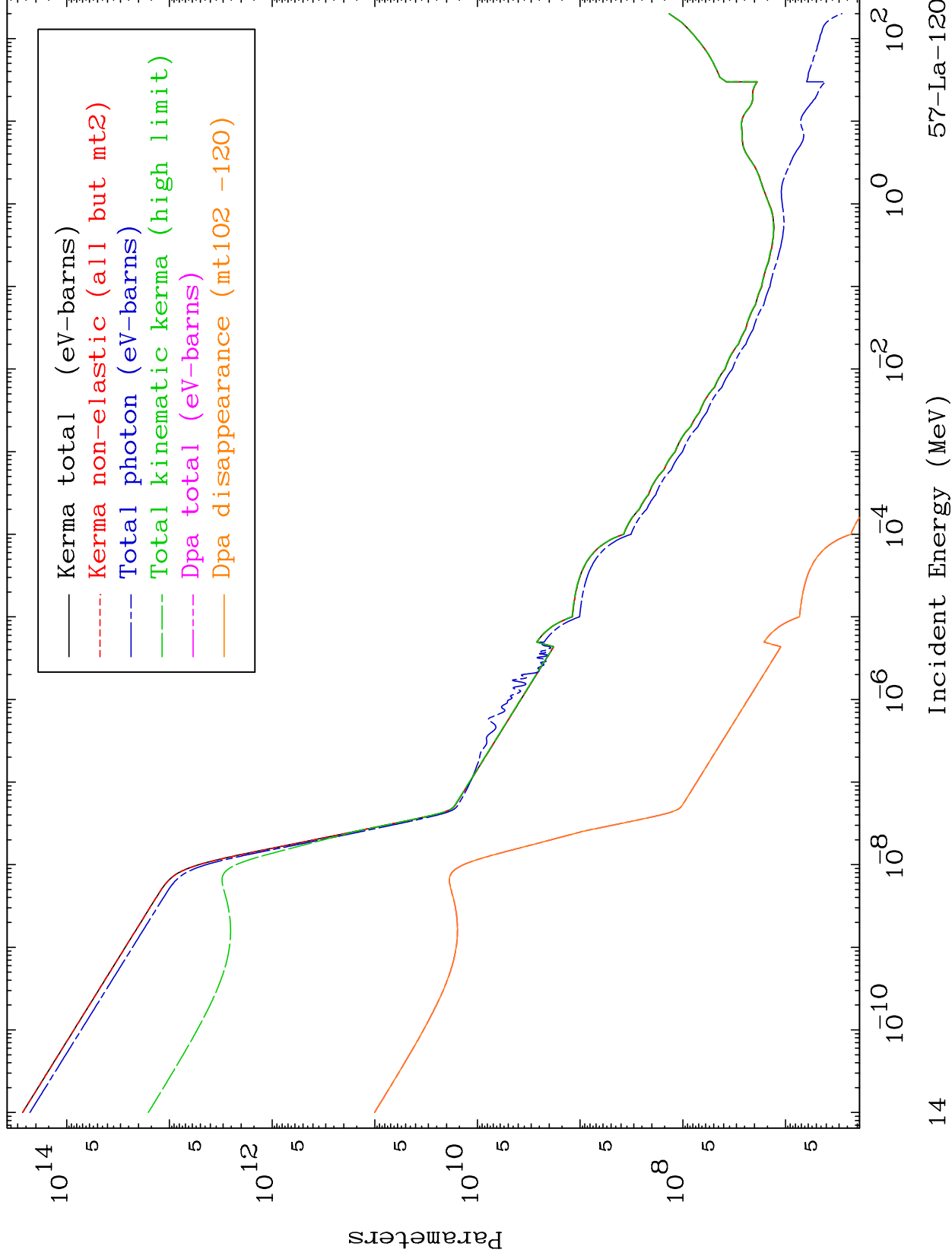
57-La-120

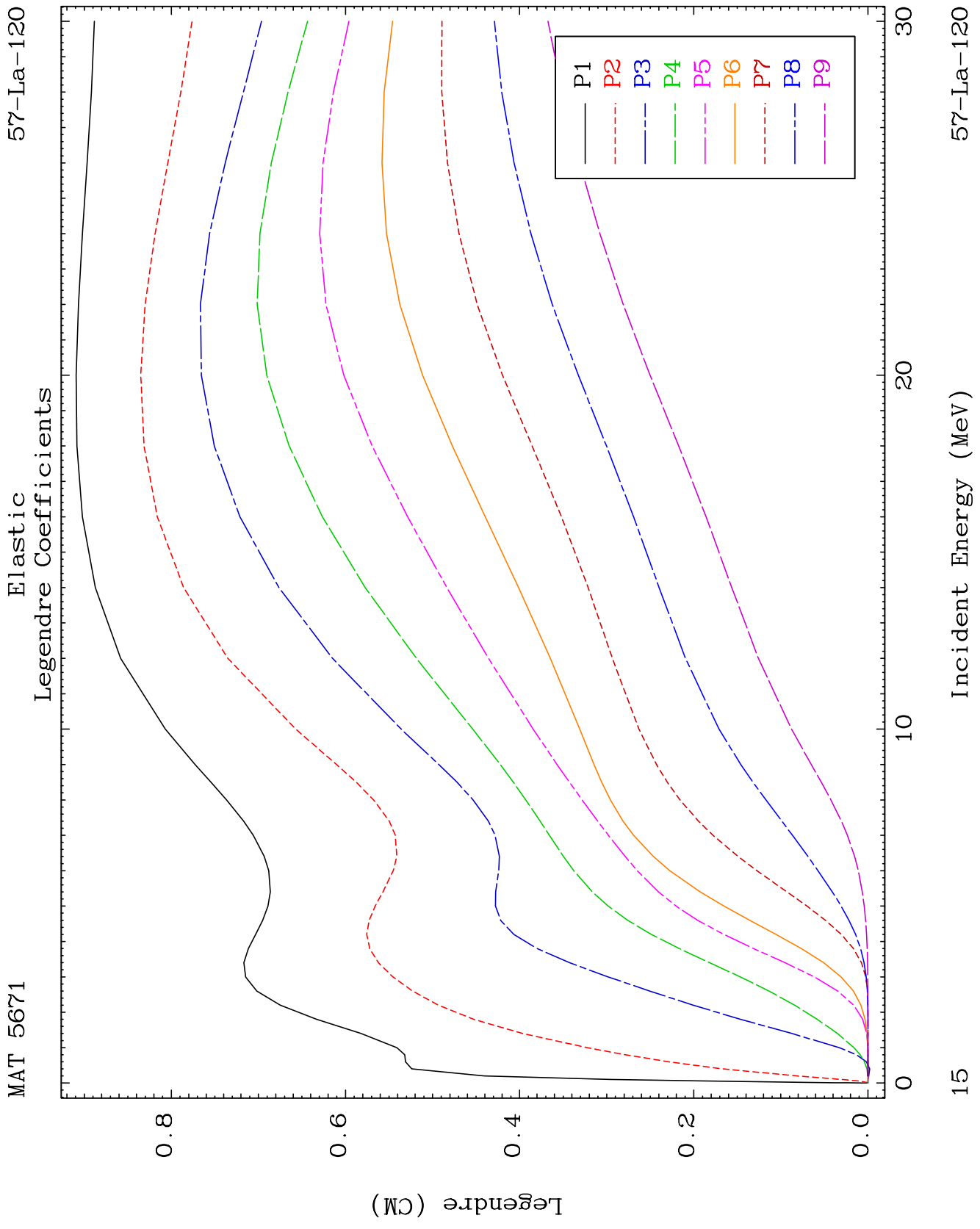
MAT 5671

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

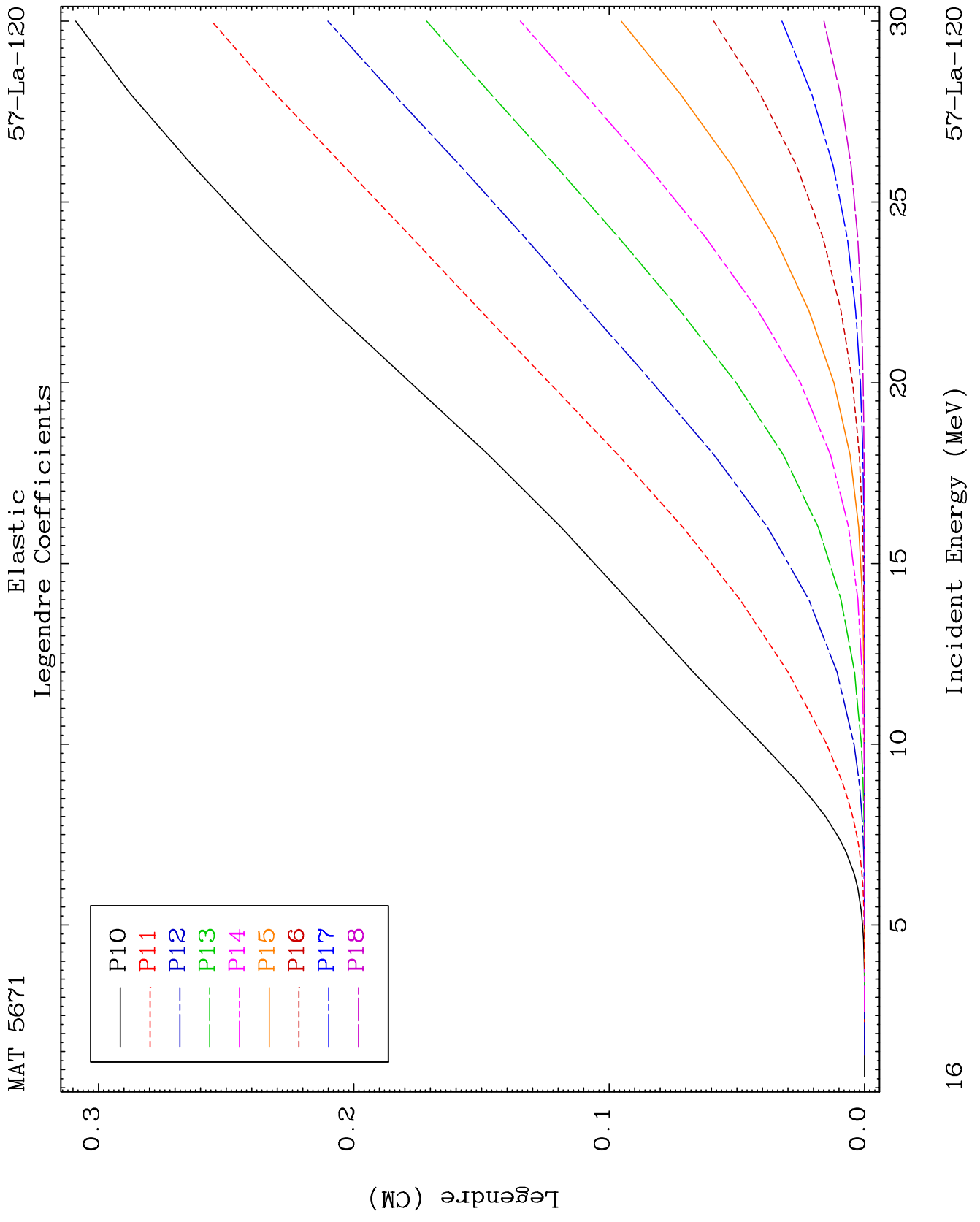
57-La-120







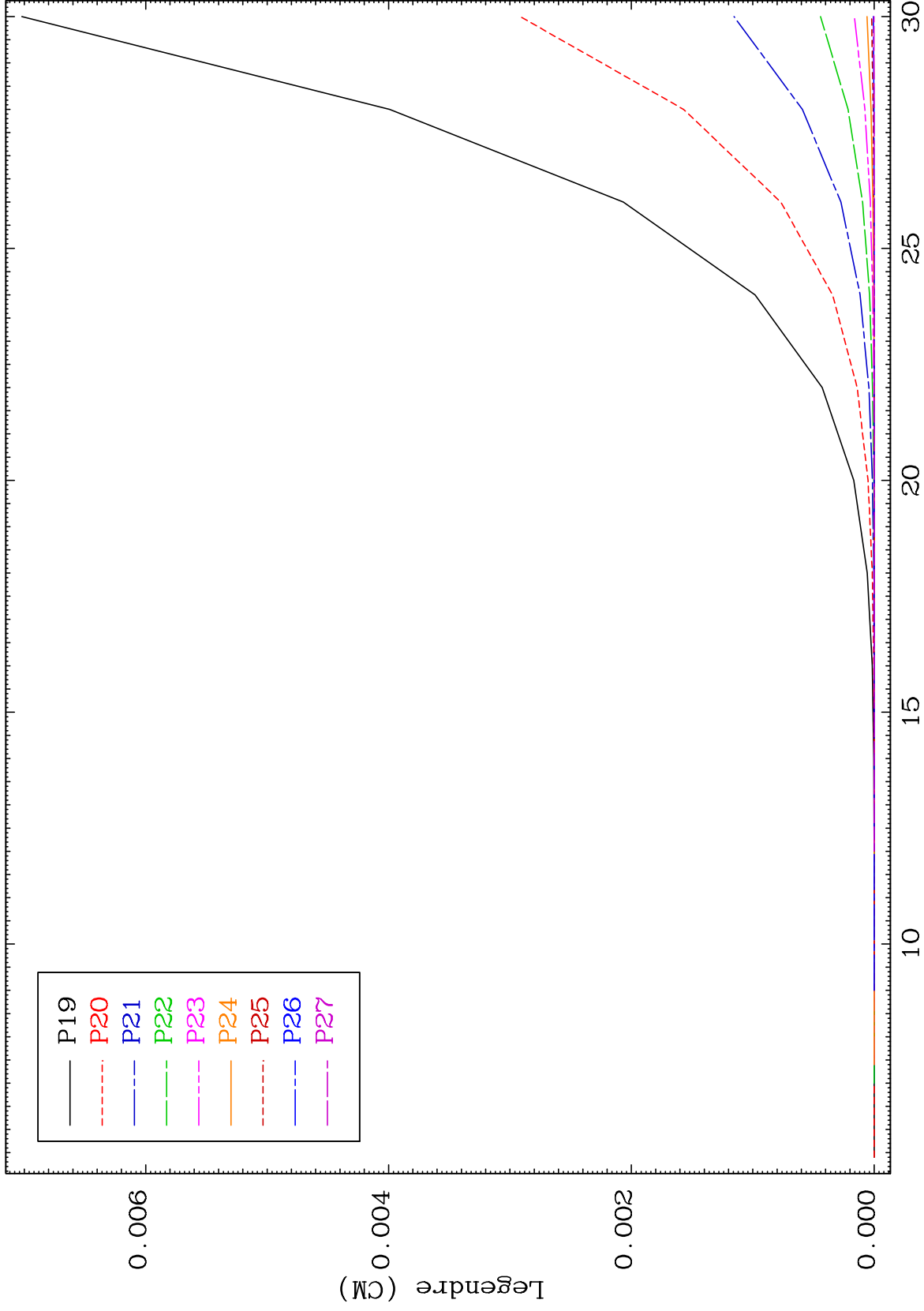




MAT 5671

### Elastic Legendre Coefficients

57-La-120



17

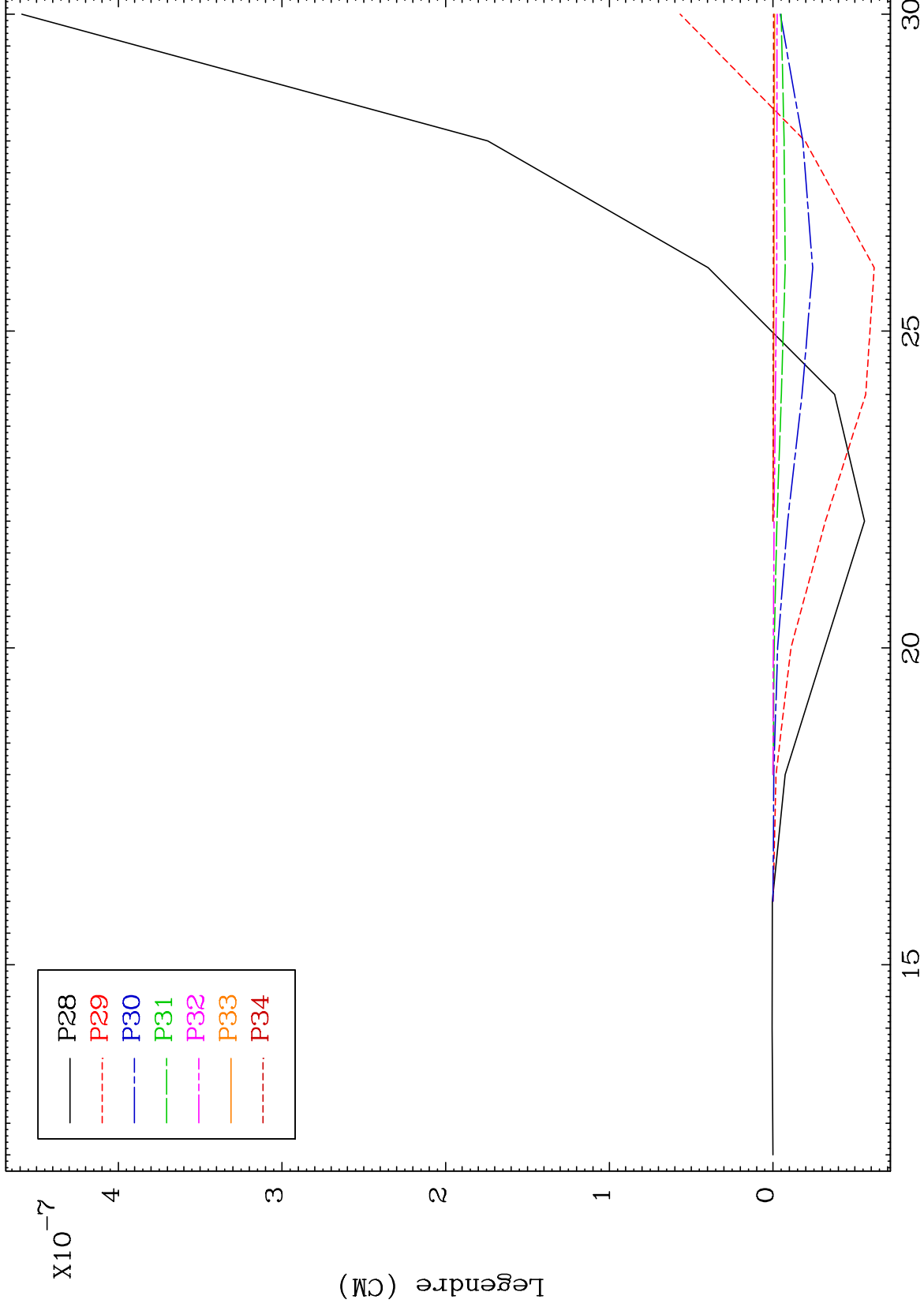
Incident Energy (MeV)

57-La-120

MAT 5671

Elastic  
Legendre Coefficients

57-La-120



18

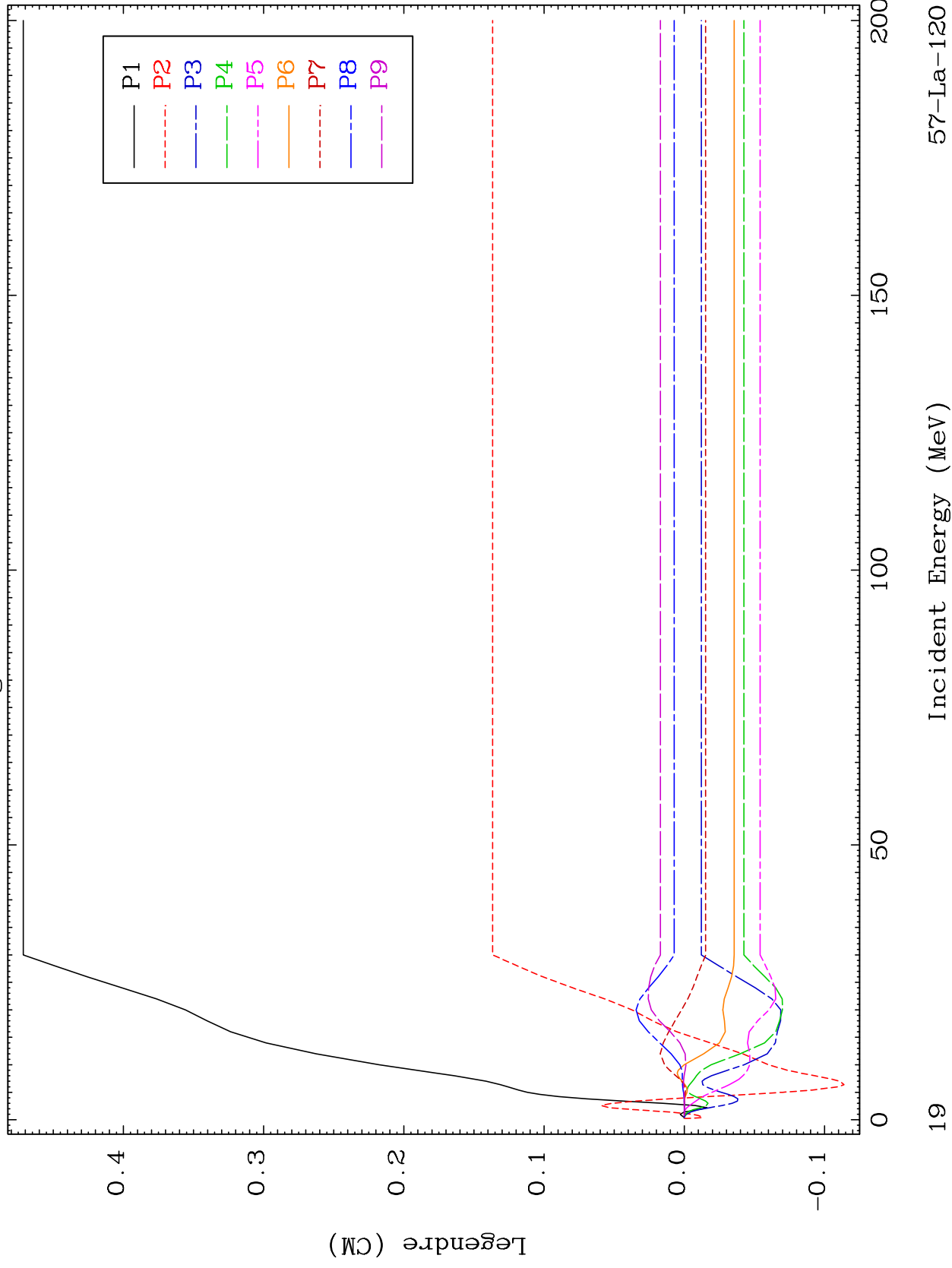
Incident Energy (MeV)

57-La-120

MAT 5671

MT= 51 (n,n') Level  
Legendre Coefficients

57-La-120



19

Incident Energy (MeV)

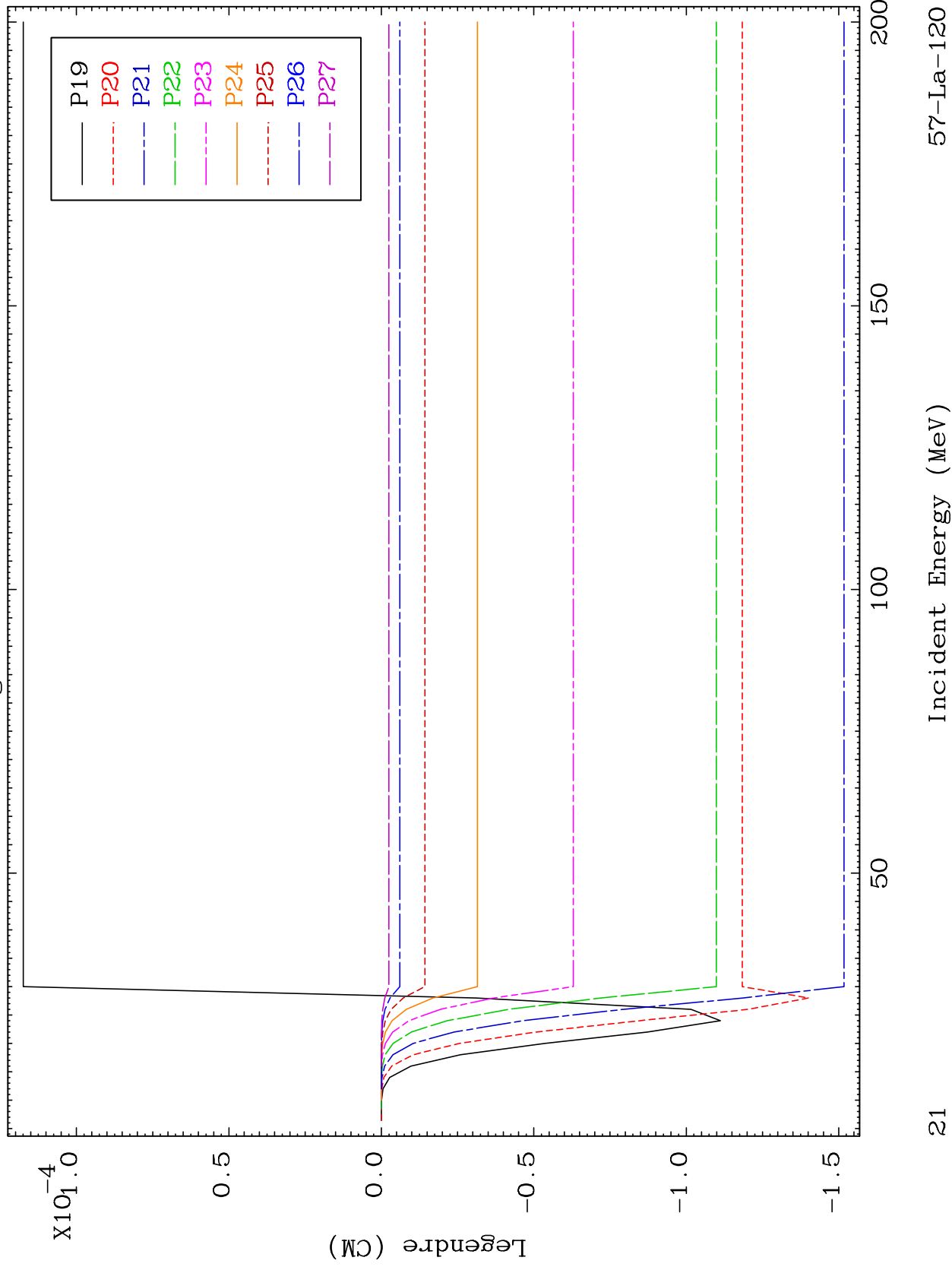
57-La-120



MAT 5671

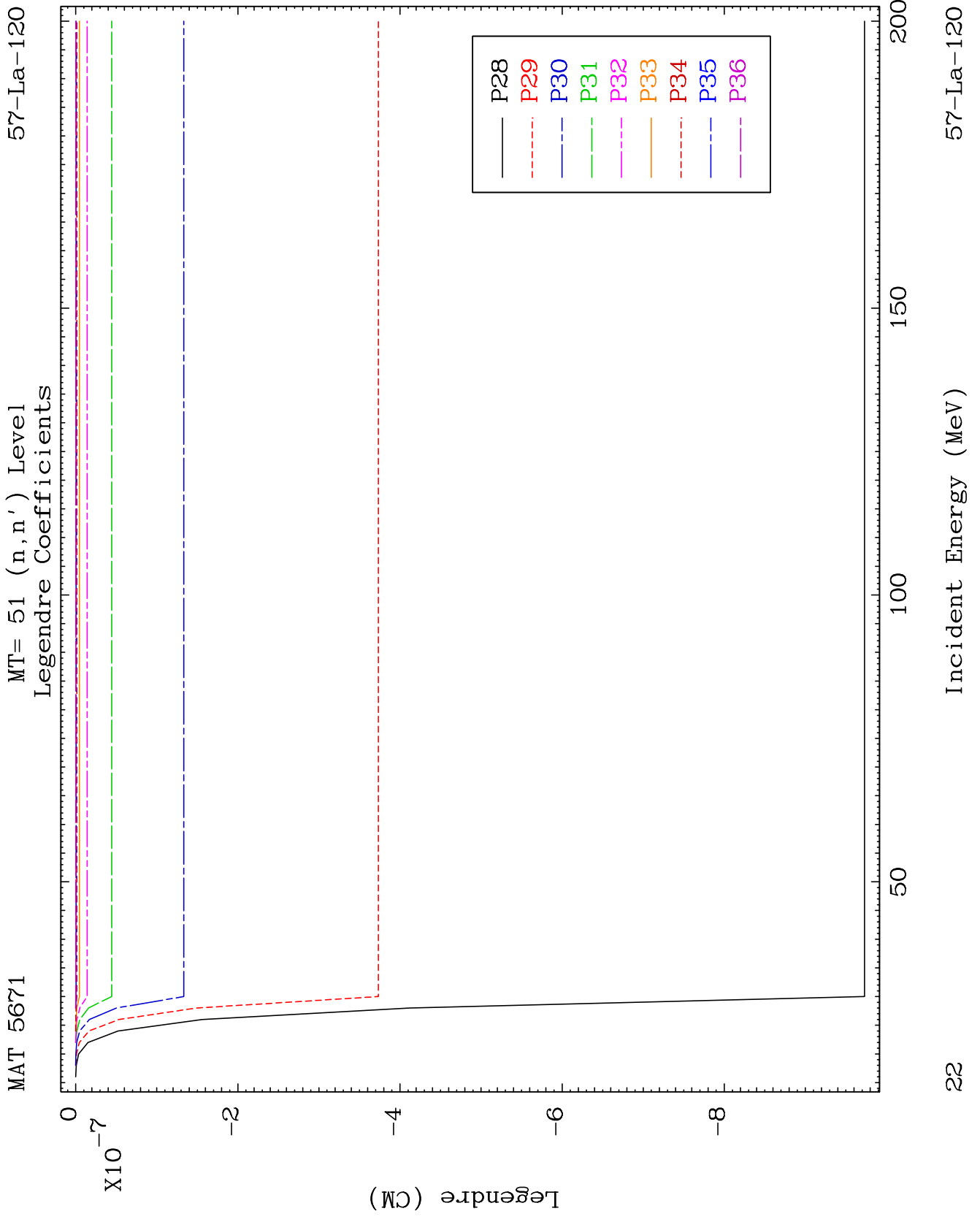
MT= 51 (n,n') Level  
Legendre Coefficients

57-La-120



21

57-La-120

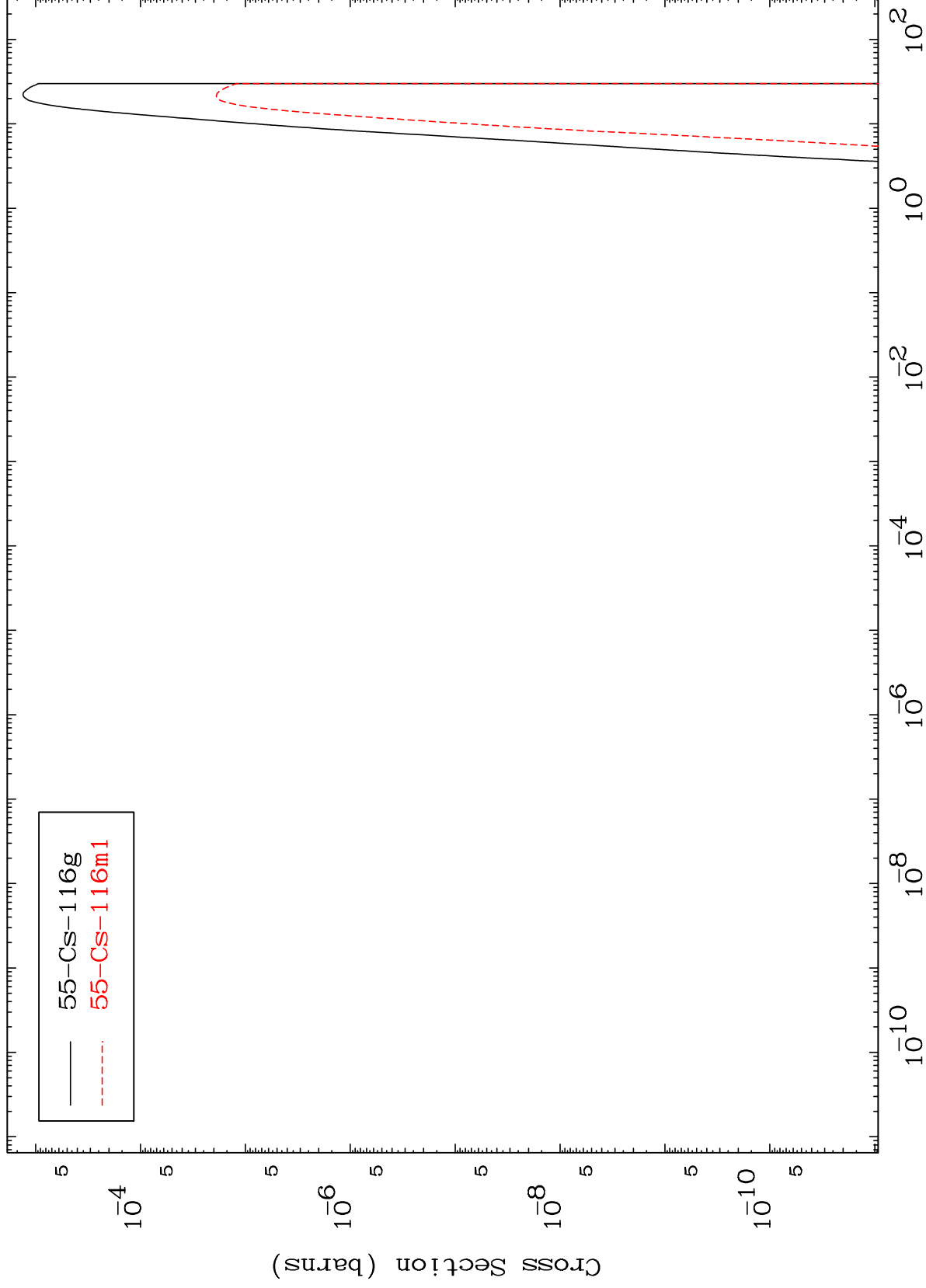


MAT 5671

$(n, n')$   $\alpha$

57-La-120

Radionuclide Production Cross Section



23

Incident Energy (MeV)

57-La-120

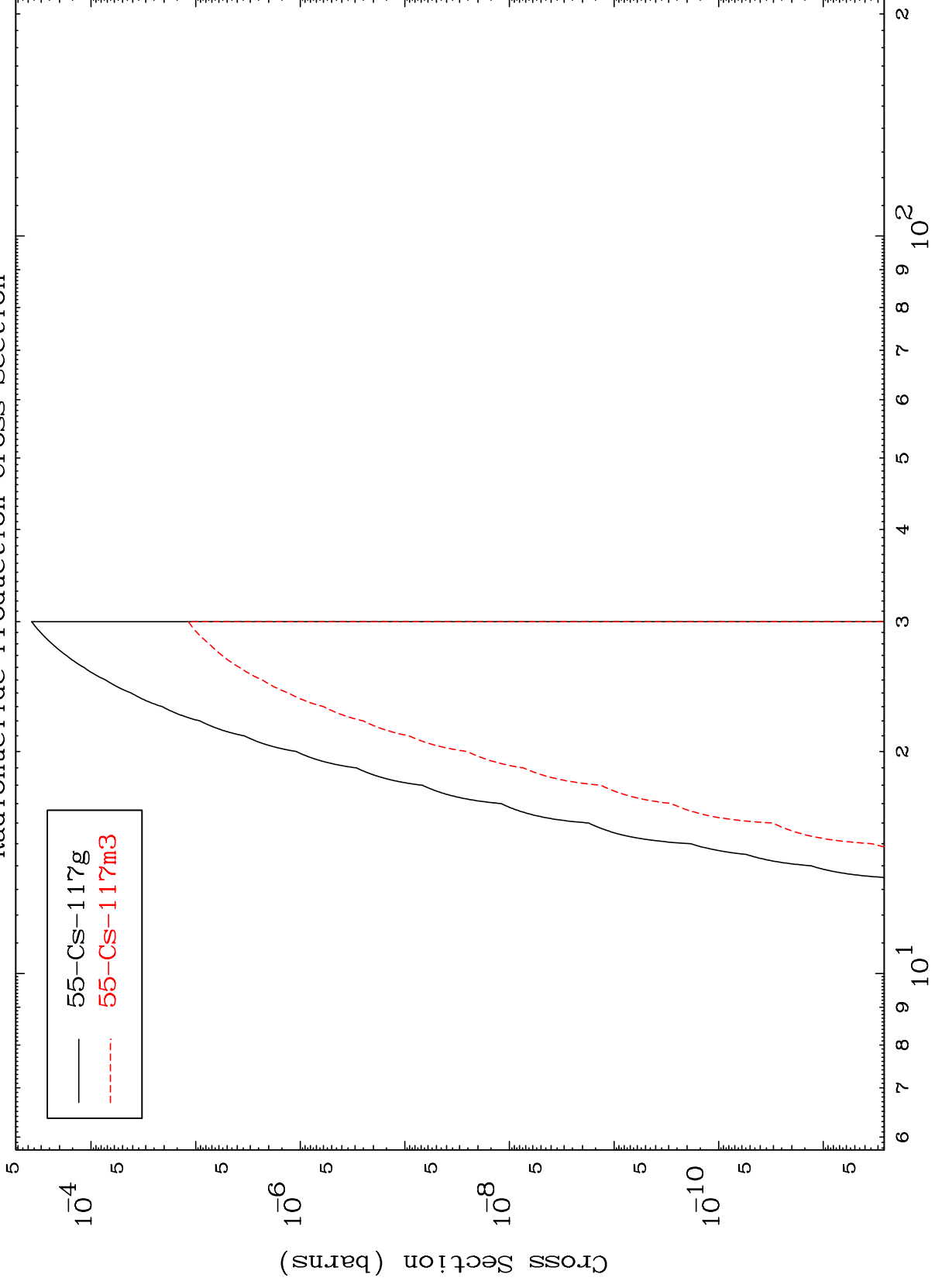


MAT 5671

(n,n') He-3

57-La-120

Radionuclide Production Cross Section



55-Cs-117g  
55-Cs-117m3

24

Incident Energy (MeV)

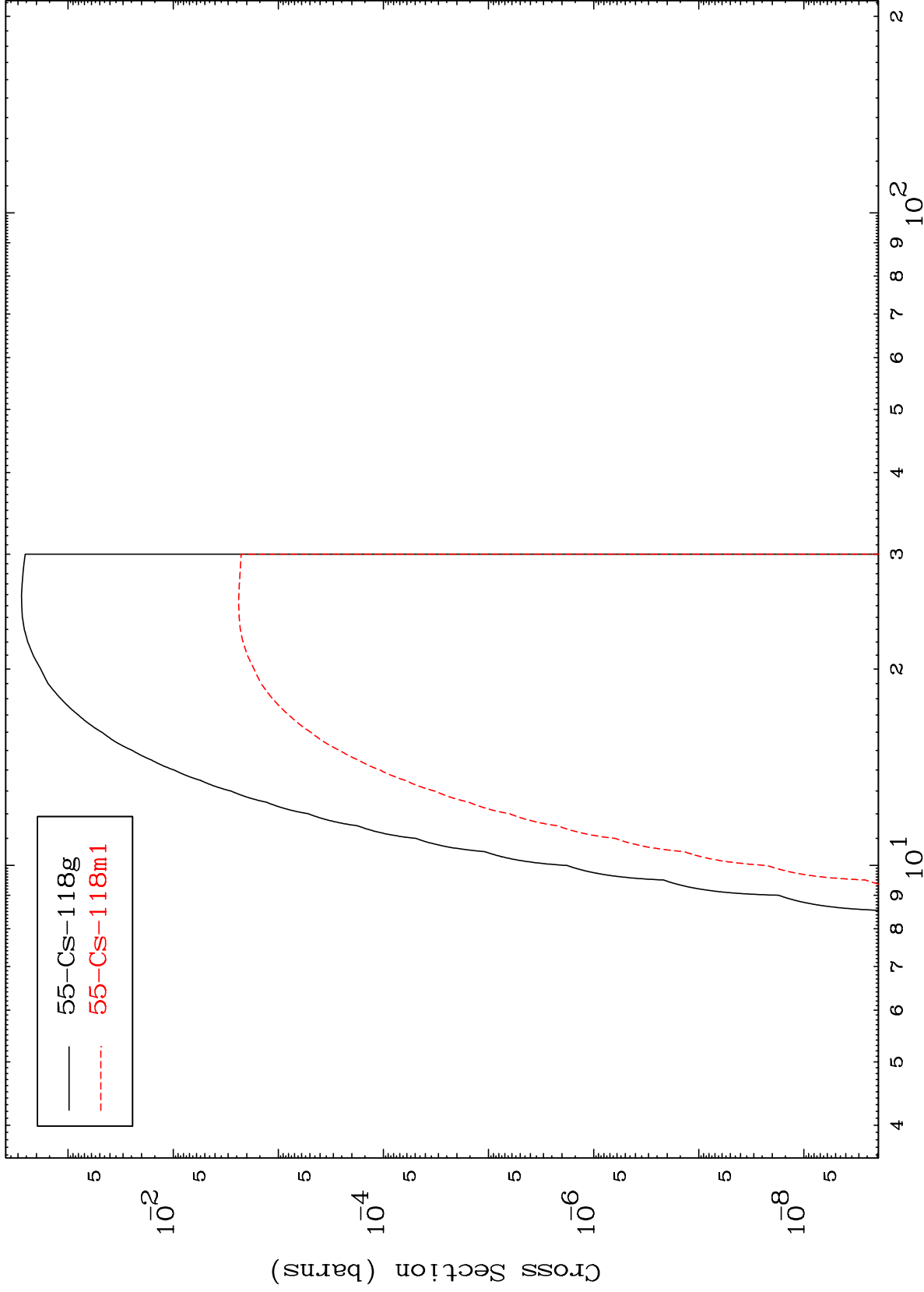
57-La-120

MAT 5671

(n,2n) p

57-La-120

Radionuclide Production Cross Section



25

Incident Energy (MeV)

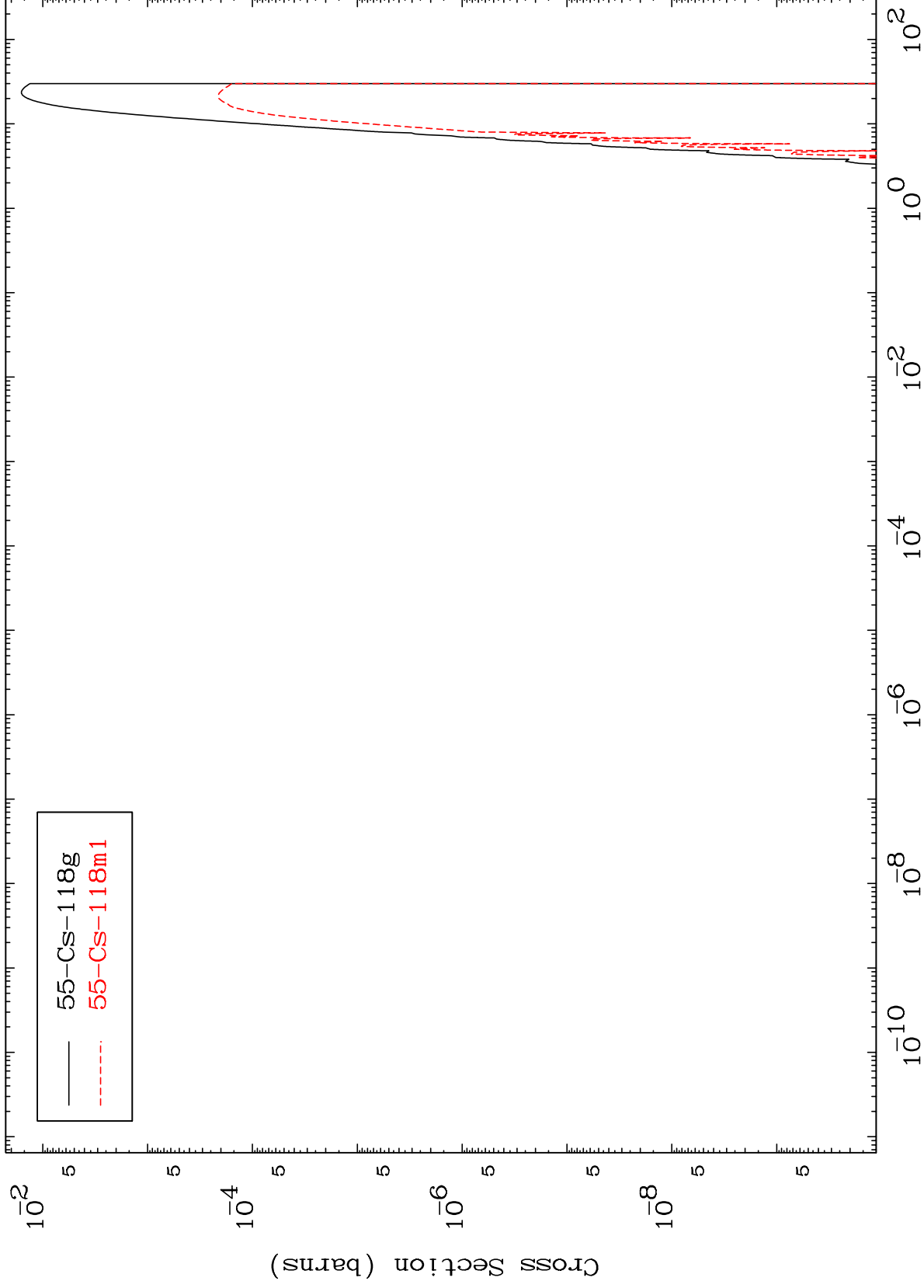
57-La-120

MAT 5671

(n,He-3)

57-La-120

Radionuclide Production Cross Section



26

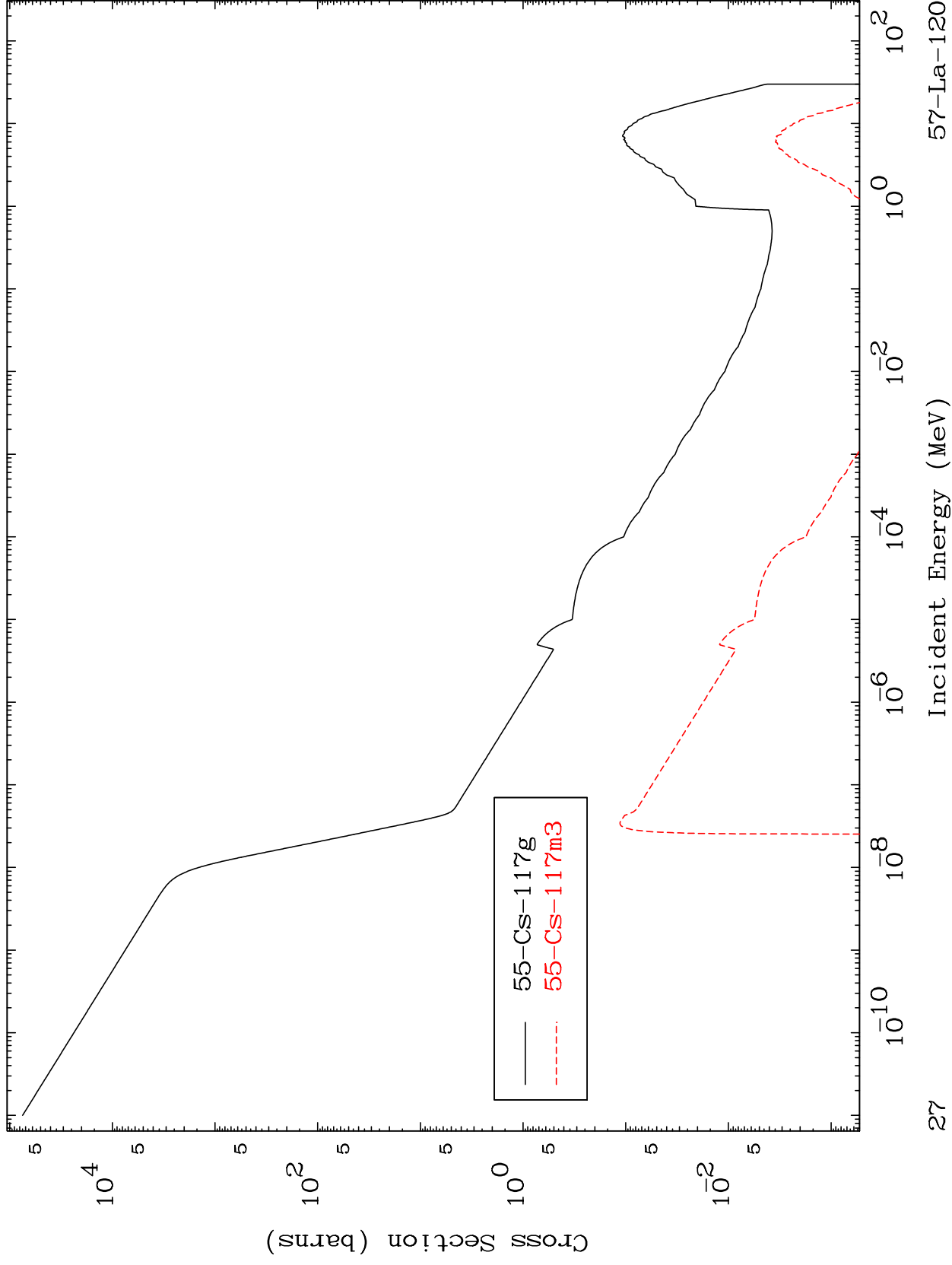
Incident Energy (MeV)

57-La-120

MAT 5671

57-La-120

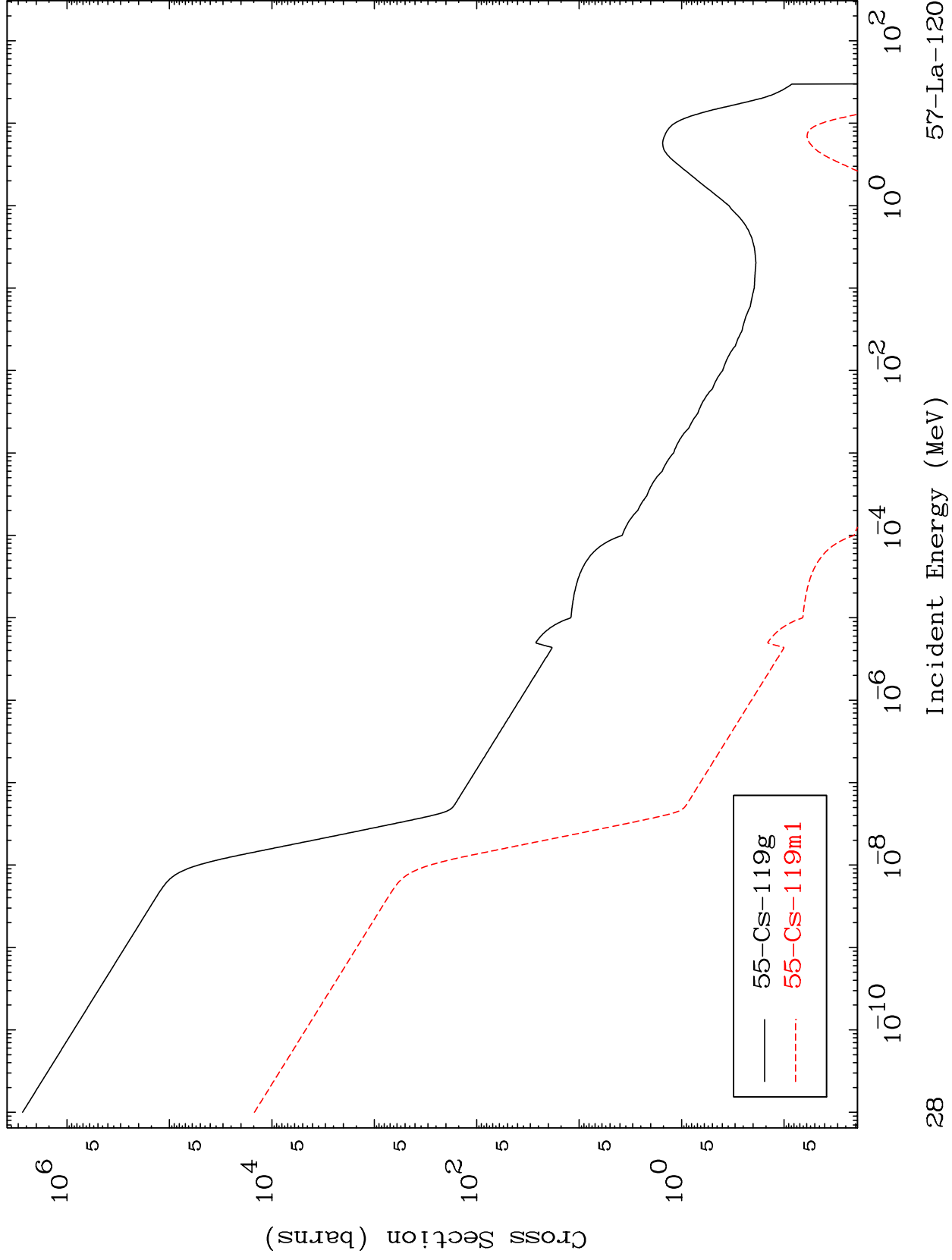
Radionuclide Production Cross Section



MAT 5671

57-La-120

(n,2p)  
Radionuclide Production Cross Section

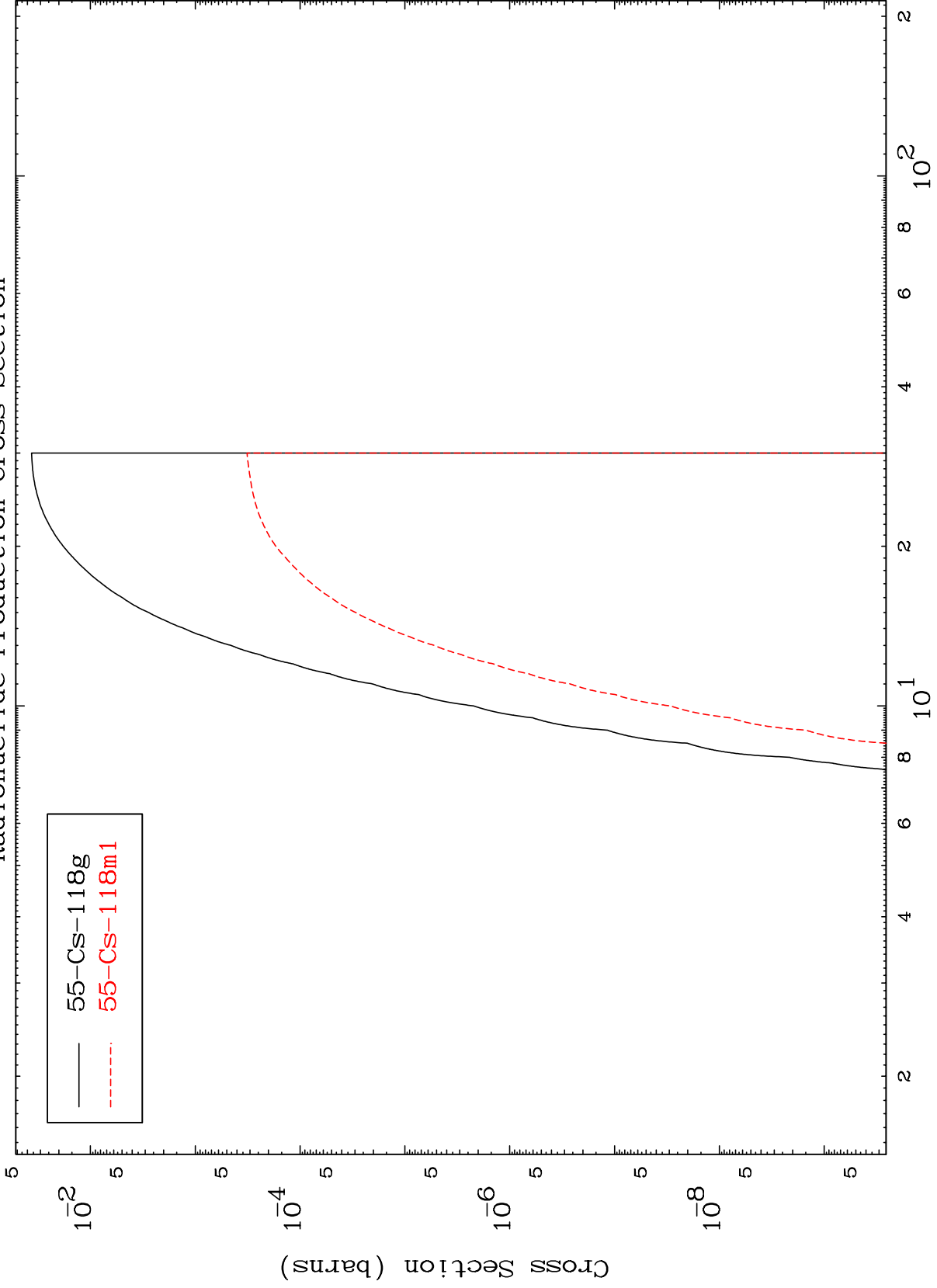


MAT 5671

(n,p) d

57-La-120

Radionuclide Production Cross Section



29

Incident Energy (MeV)

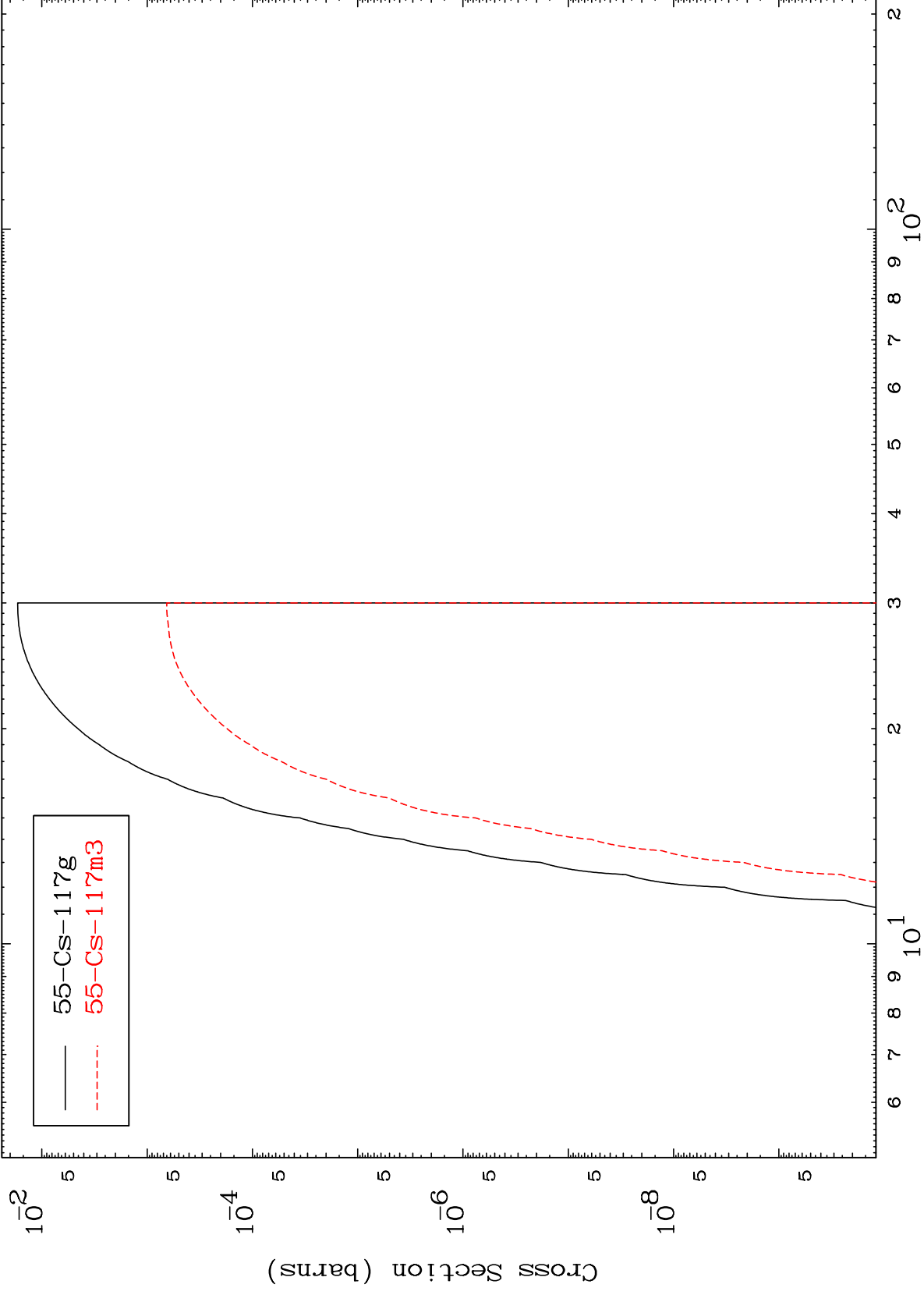
57-La-120

MAT 5671

(n,p) t

57-La-120

Radionuclide Production Cross Section



30

Incident Energy (MeV)

57-La-120