

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](mailto:redcullen1@comcast.net)

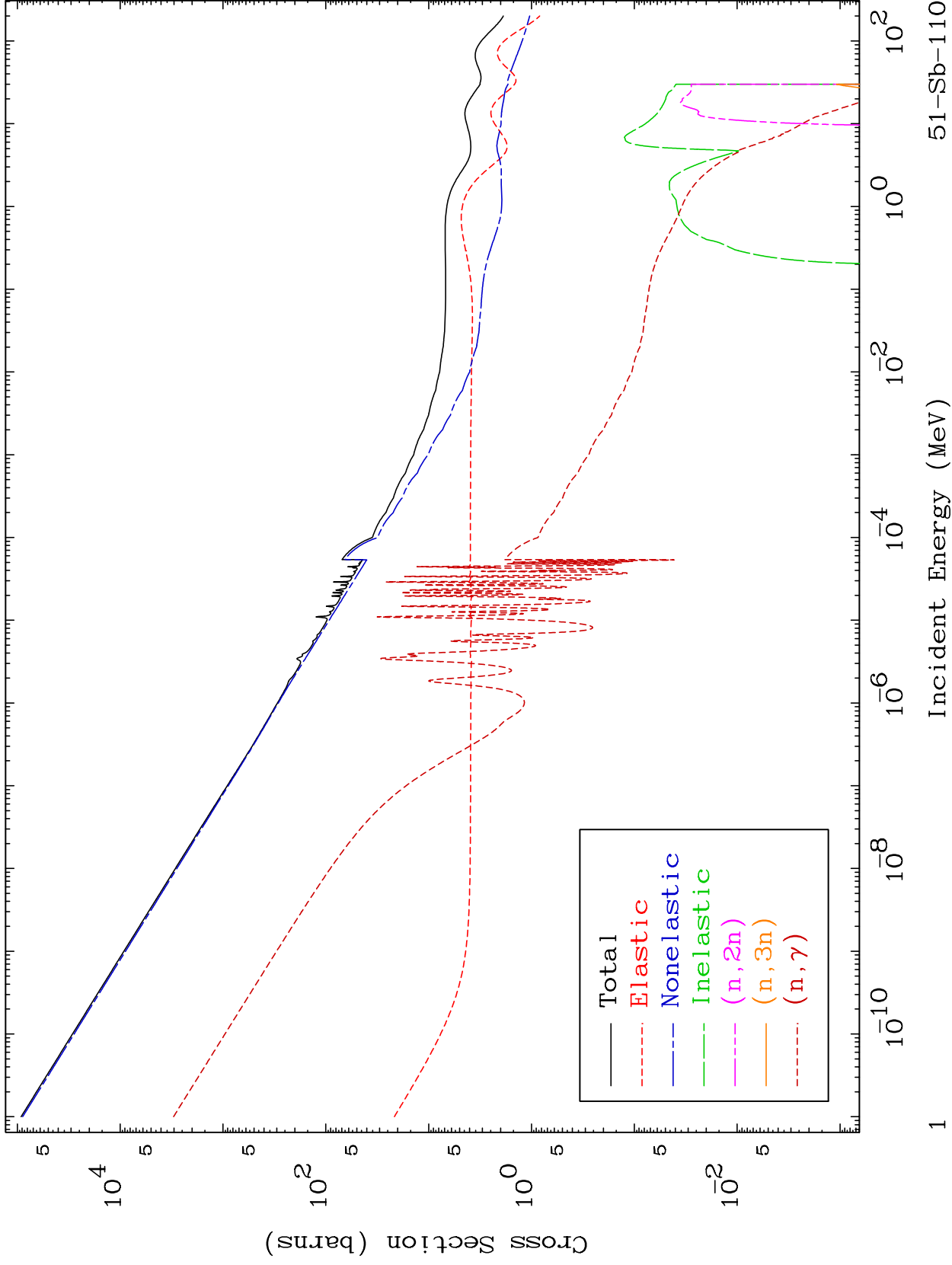
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 5092

Neutron Major  
293 Kelvin Cross Sections

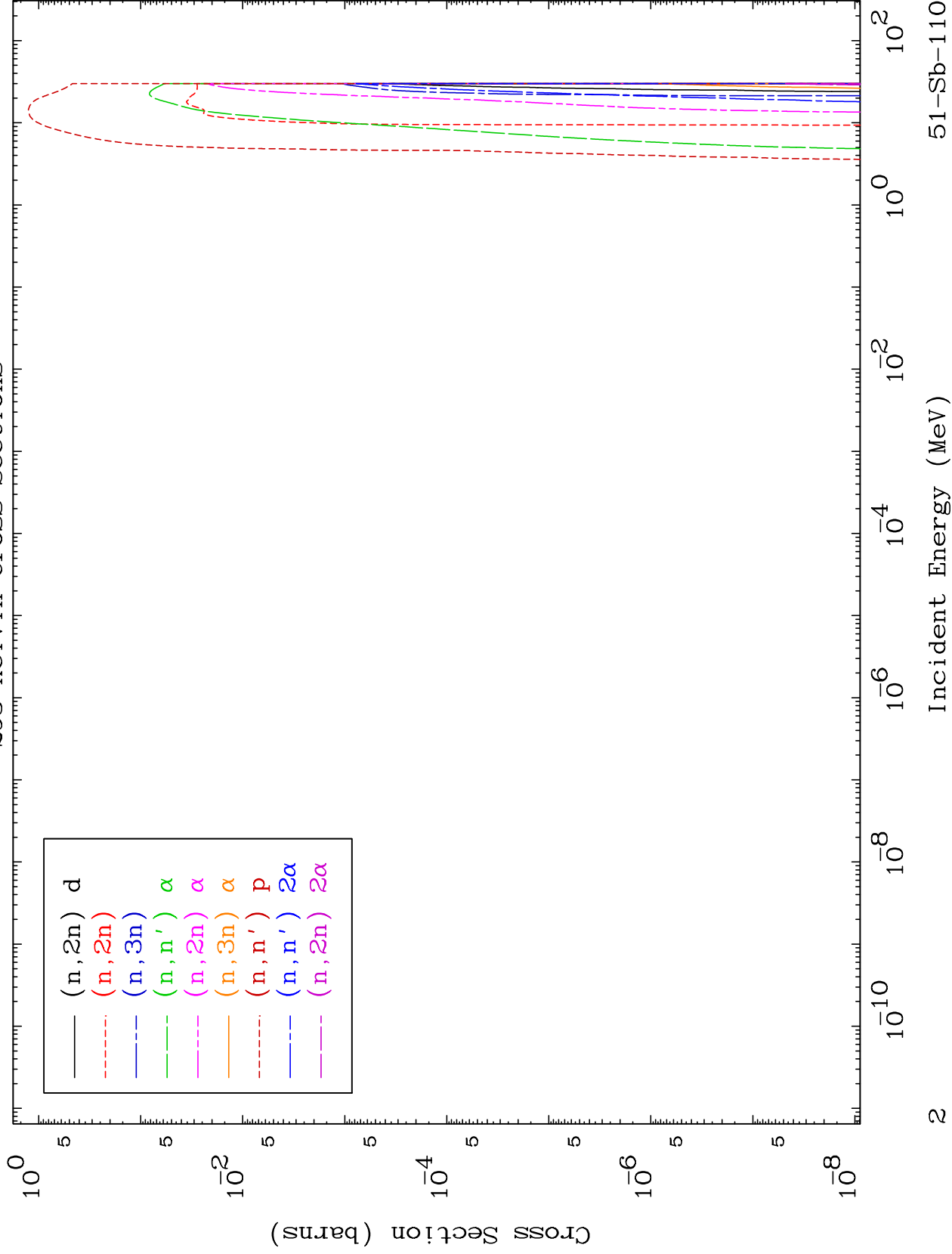
51-Sb-110

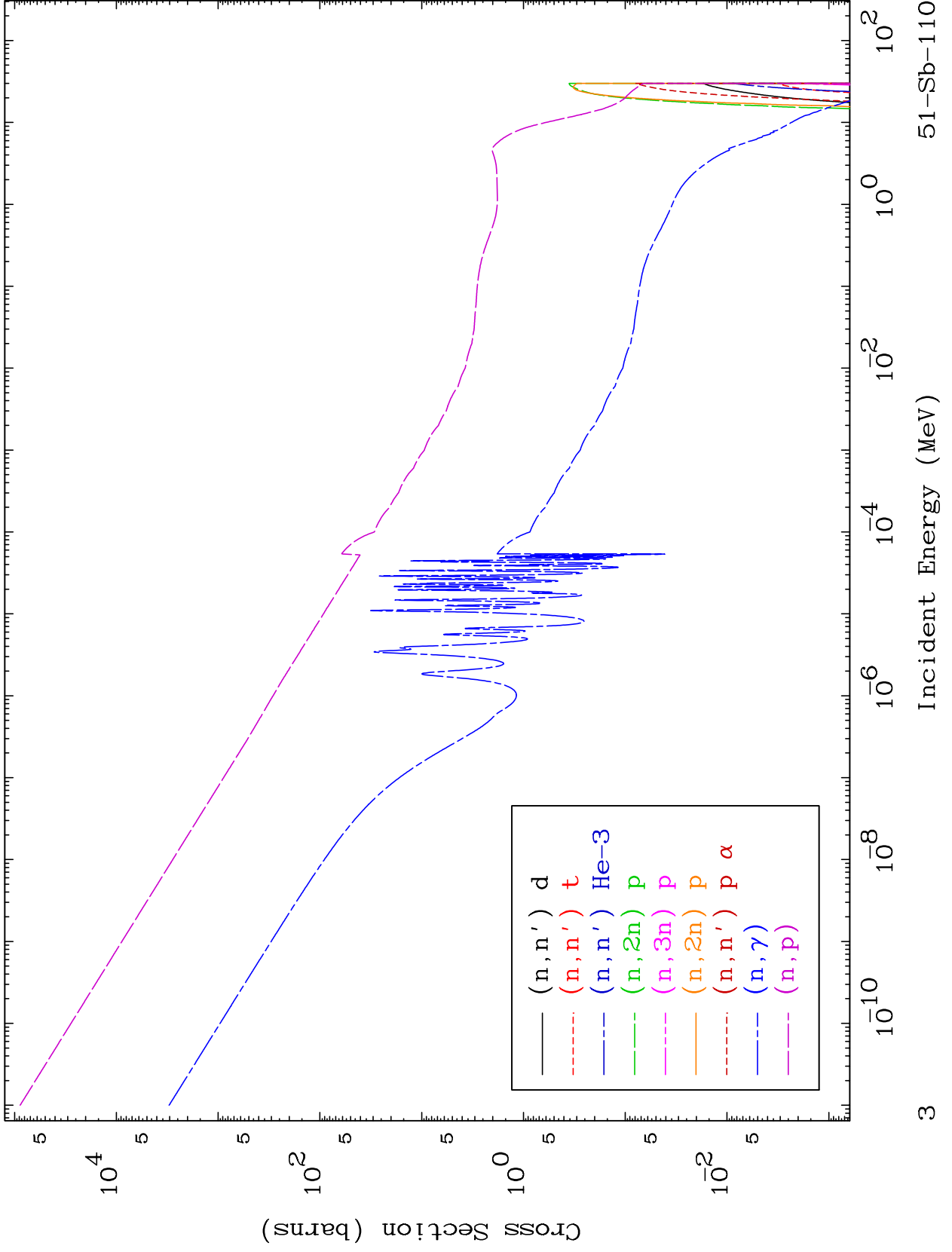


MAT 5092

Neutron Absorption  
293 Kelvin Cross Sections

51-Sb-110

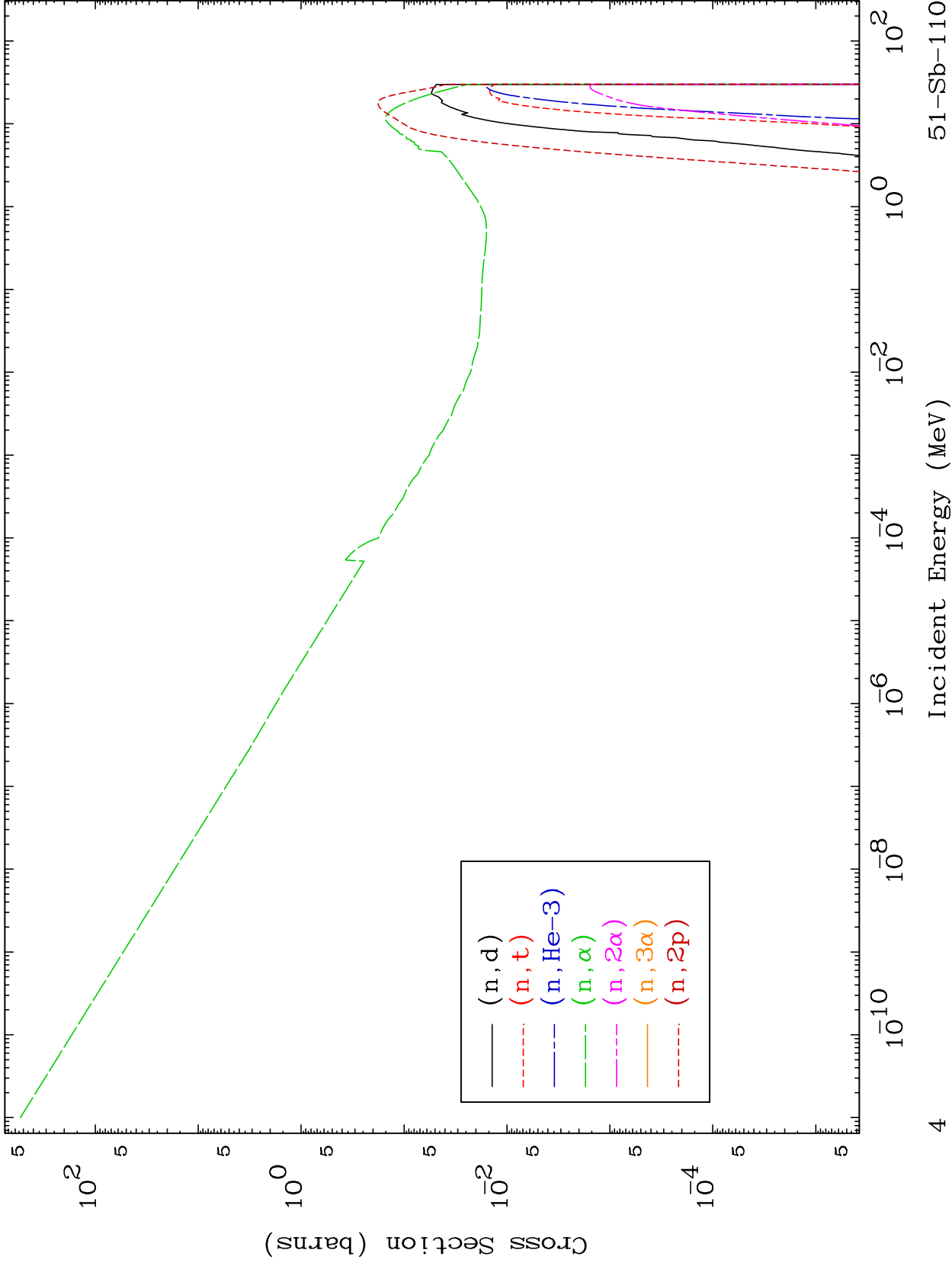




MAT 5092

Neutron Absorption  
293 Kelvin Cross Sections

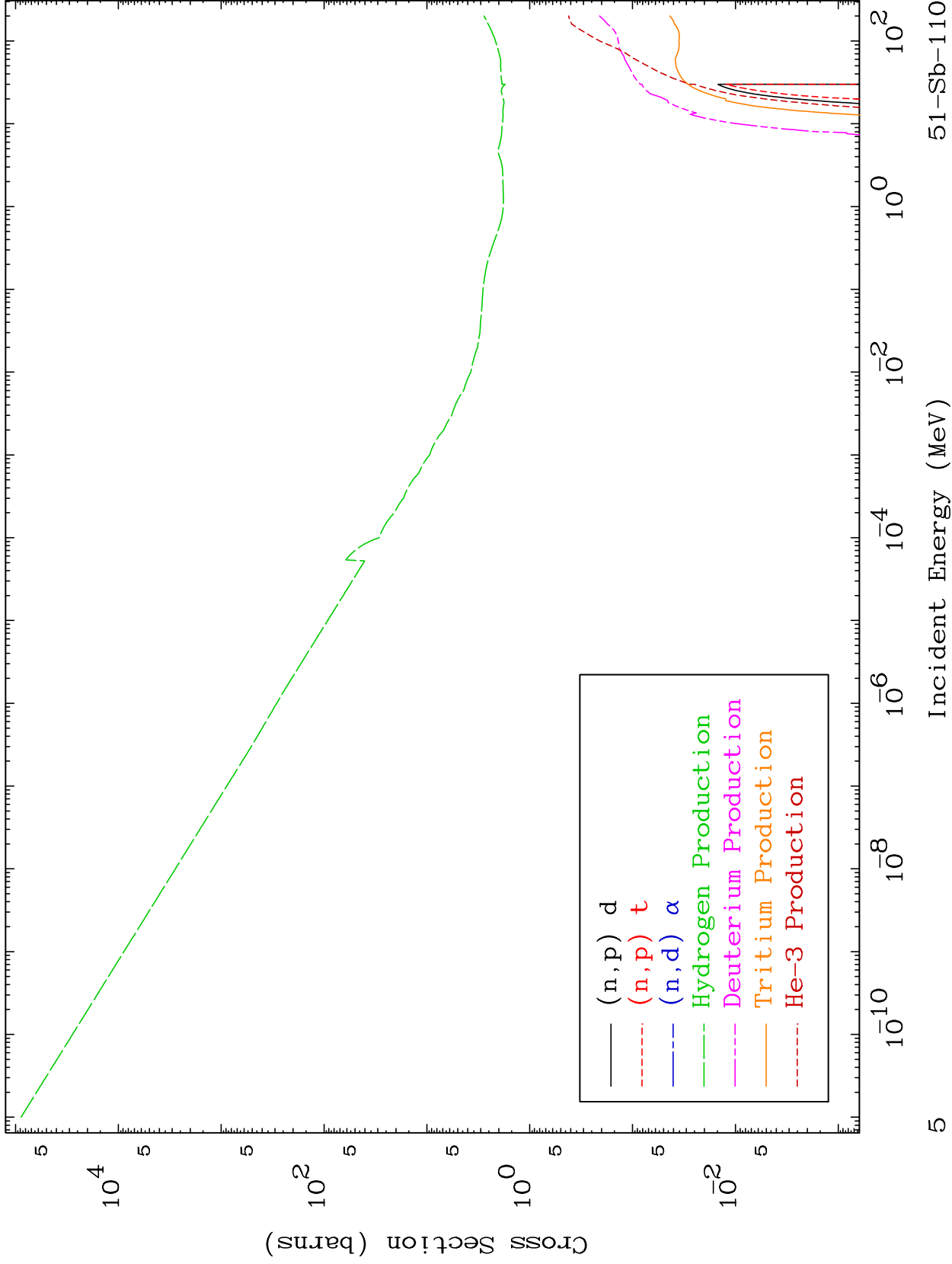
51-Sb-110



MAT 5092

Neutron Absorption  
293 Kelvin Cross Sections

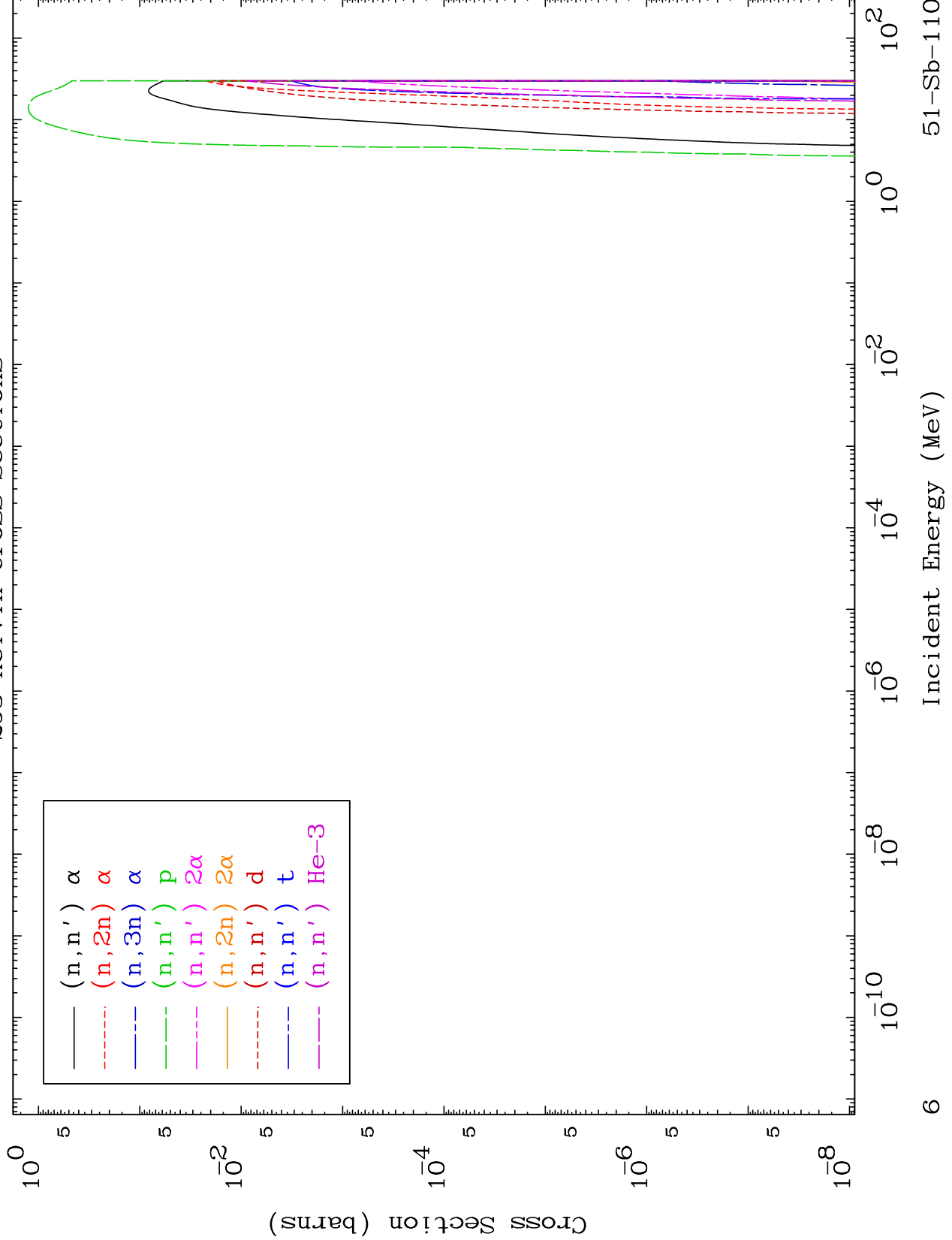
51-Sb-110



MAT 5092

Charged Particle  
293 Kelvin Cross Sections

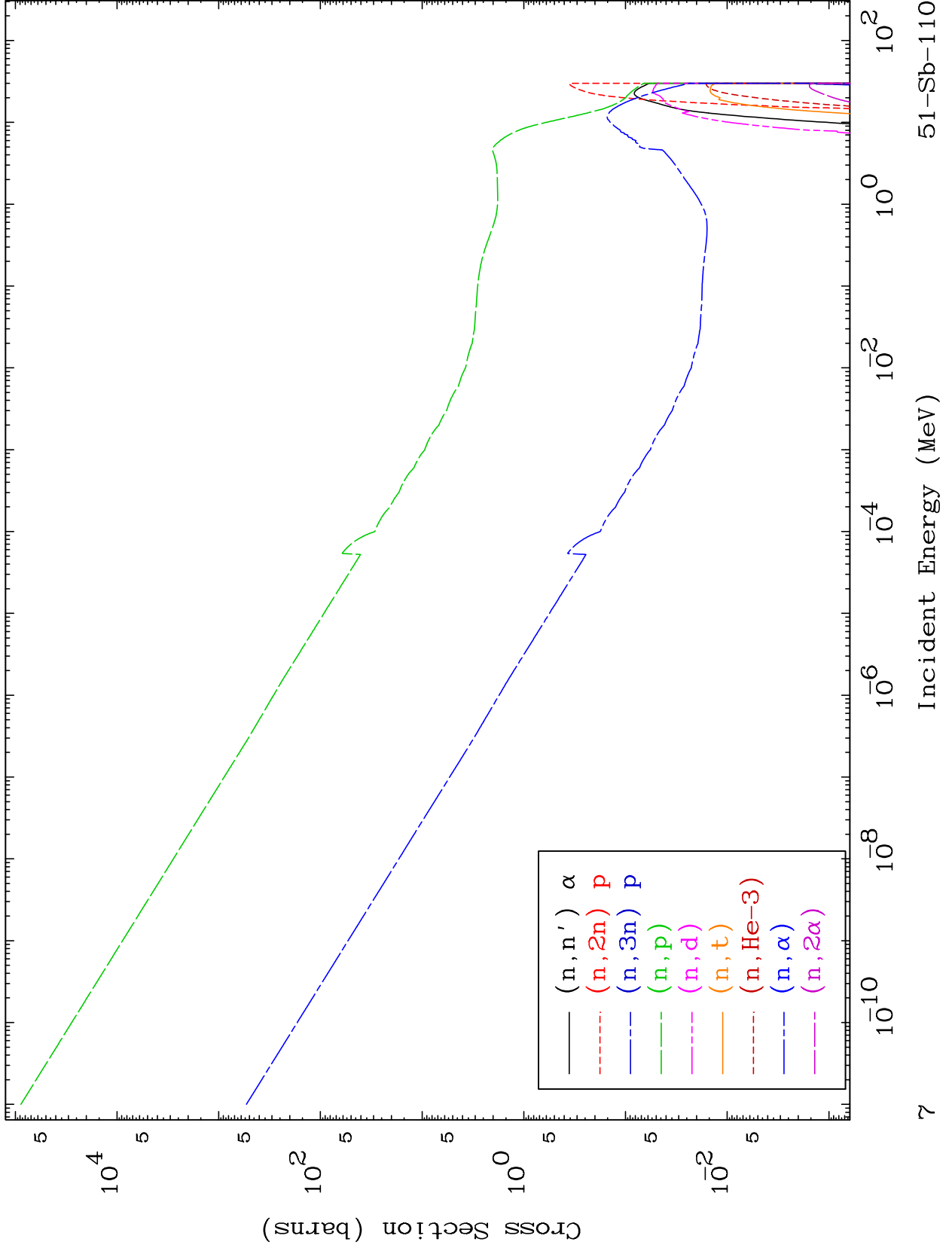
51-Sb-110



MAT 5092

Charged Particle  
293 Kelvin Cross Sections

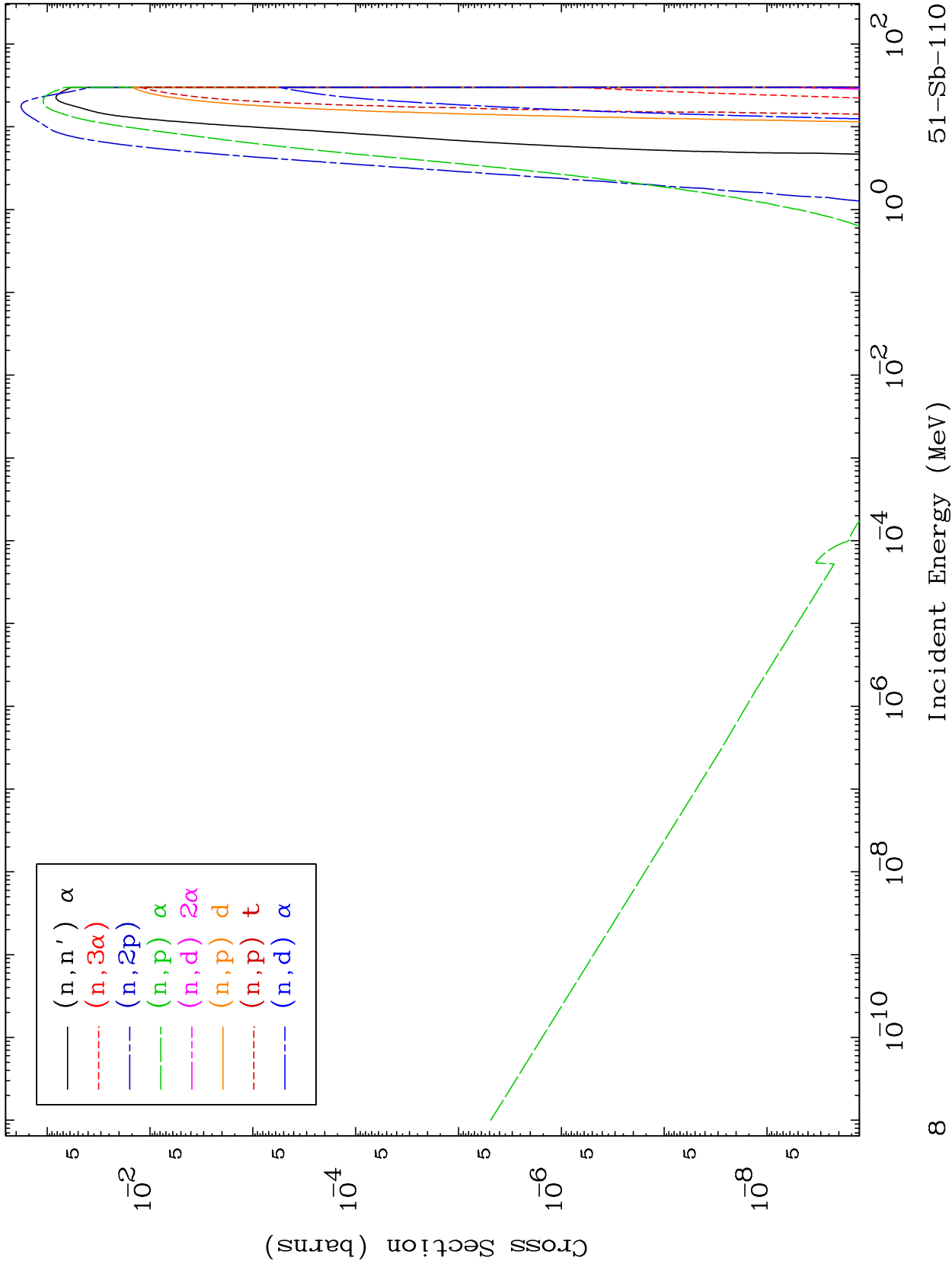
51-Sb-110



MAT 5092

Charged Particle  
293 Kelvin Cross Sections

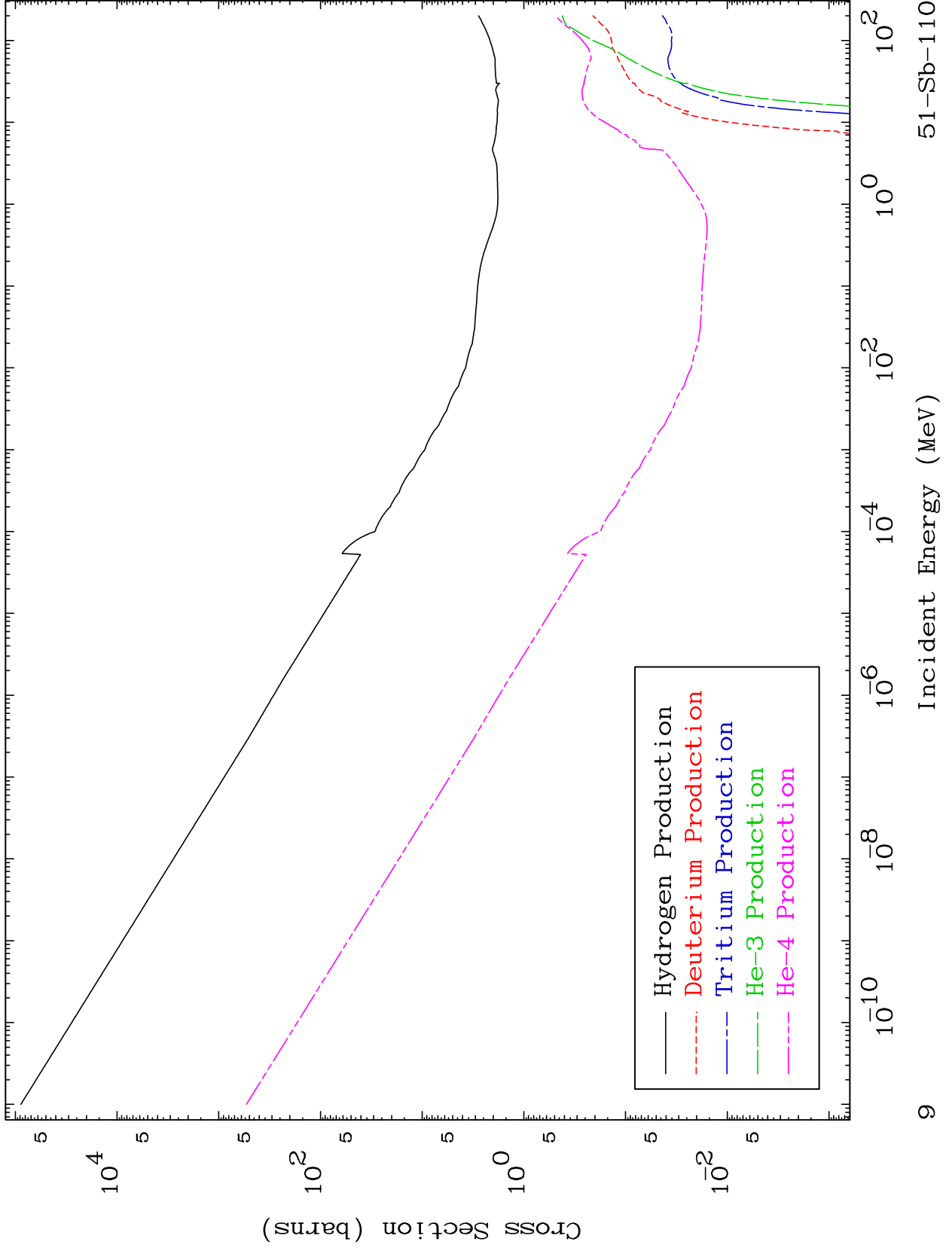
51-Sb-110



MAT 5092

Particle Production  
293 Kelvin Cross Sections

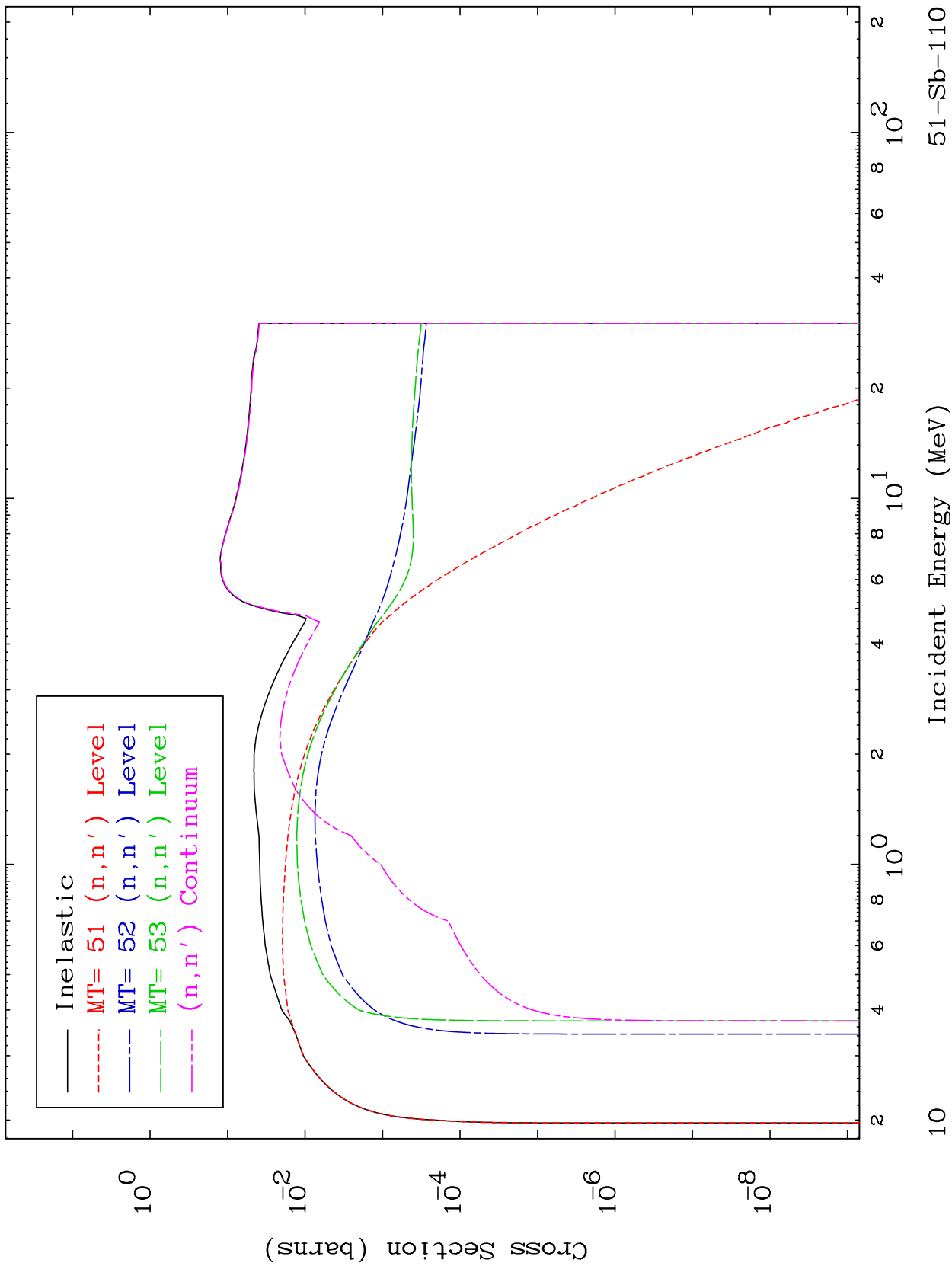
51-Sb-110



MAT 5092

293 Kelvin Cross Sections

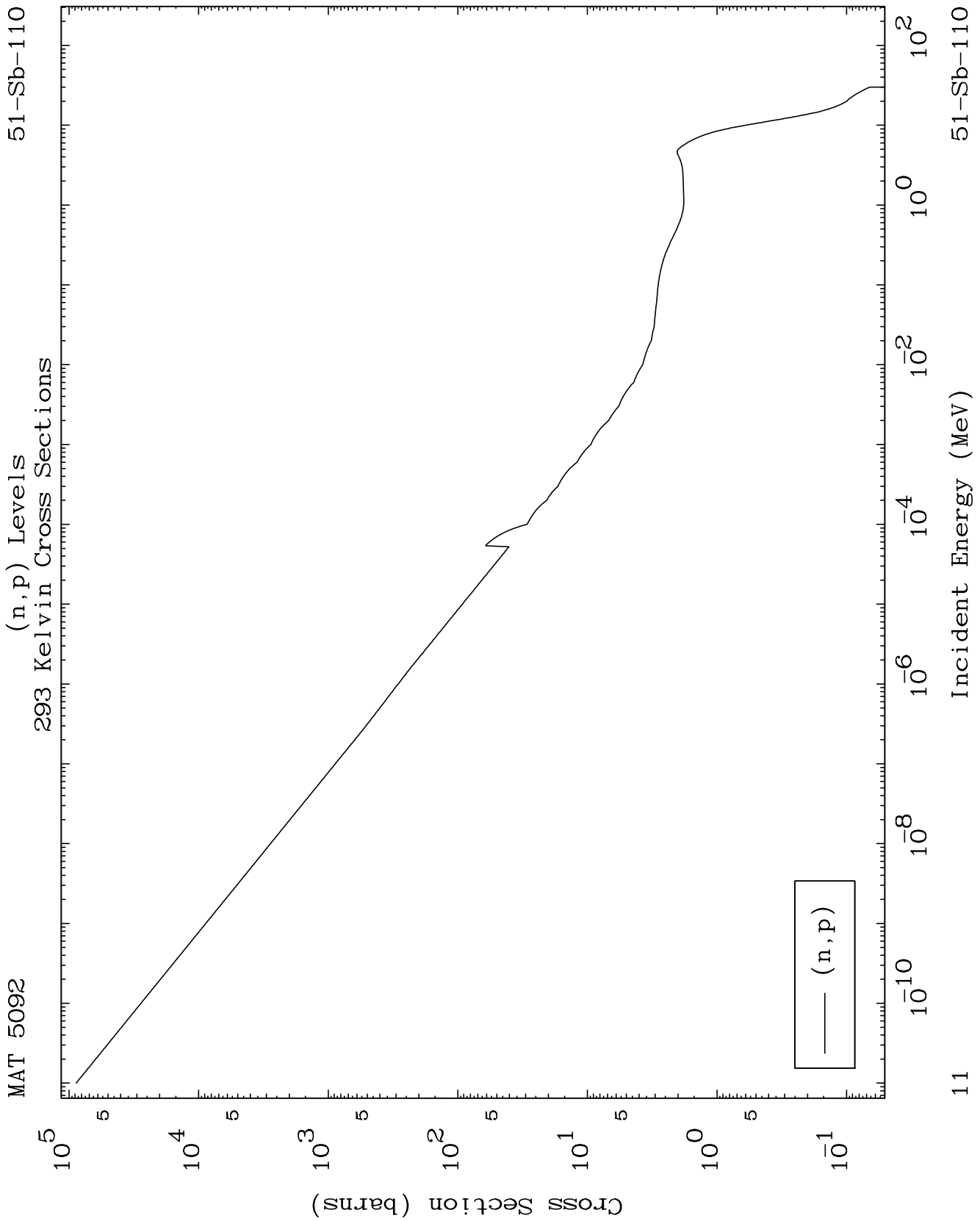
51-Sb-110



10

Incident Energy (MeV)

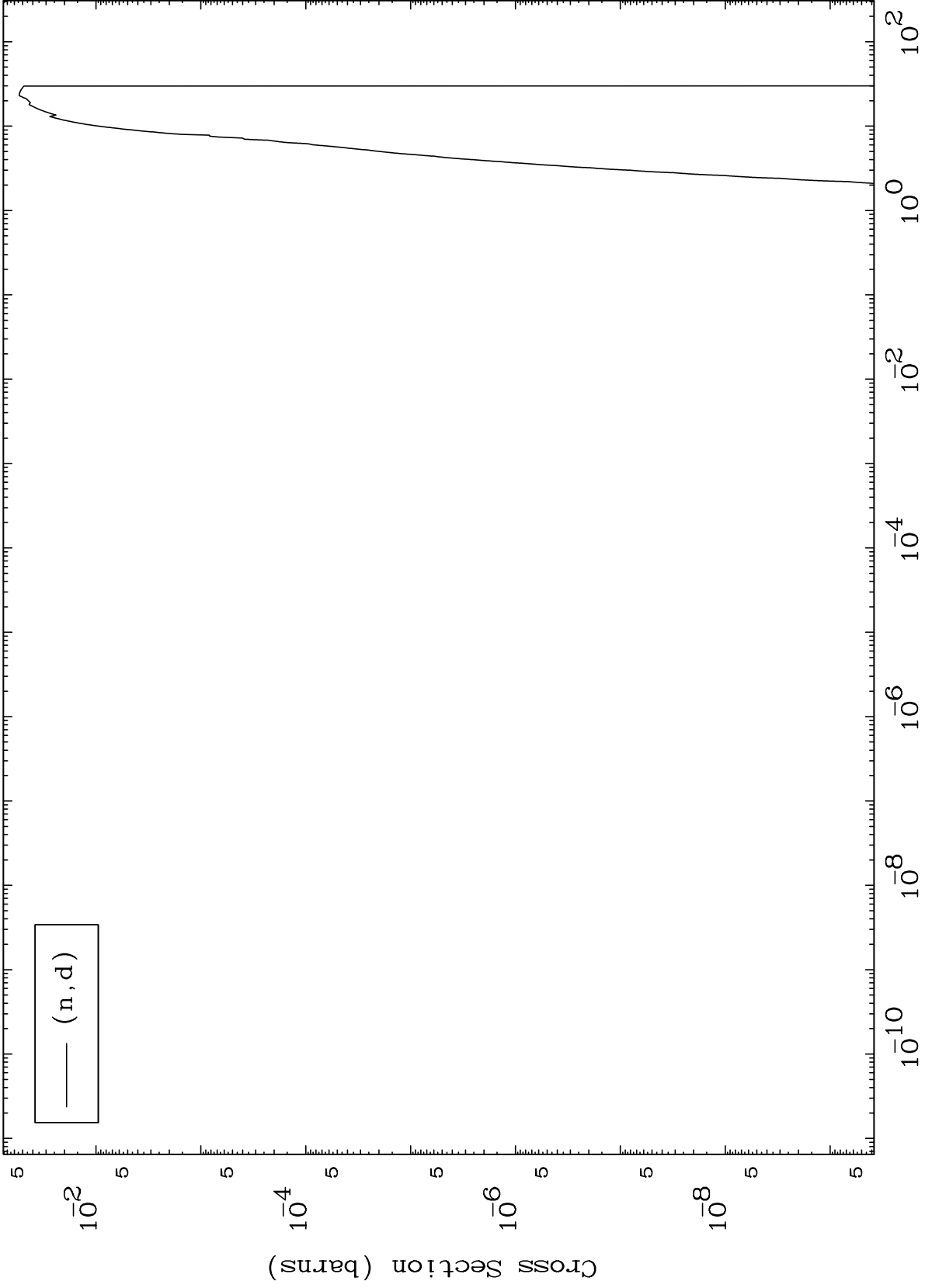
51-Sb-110



MAT 5092

(n,d) Levels  
293 Kelvin Cross Sections

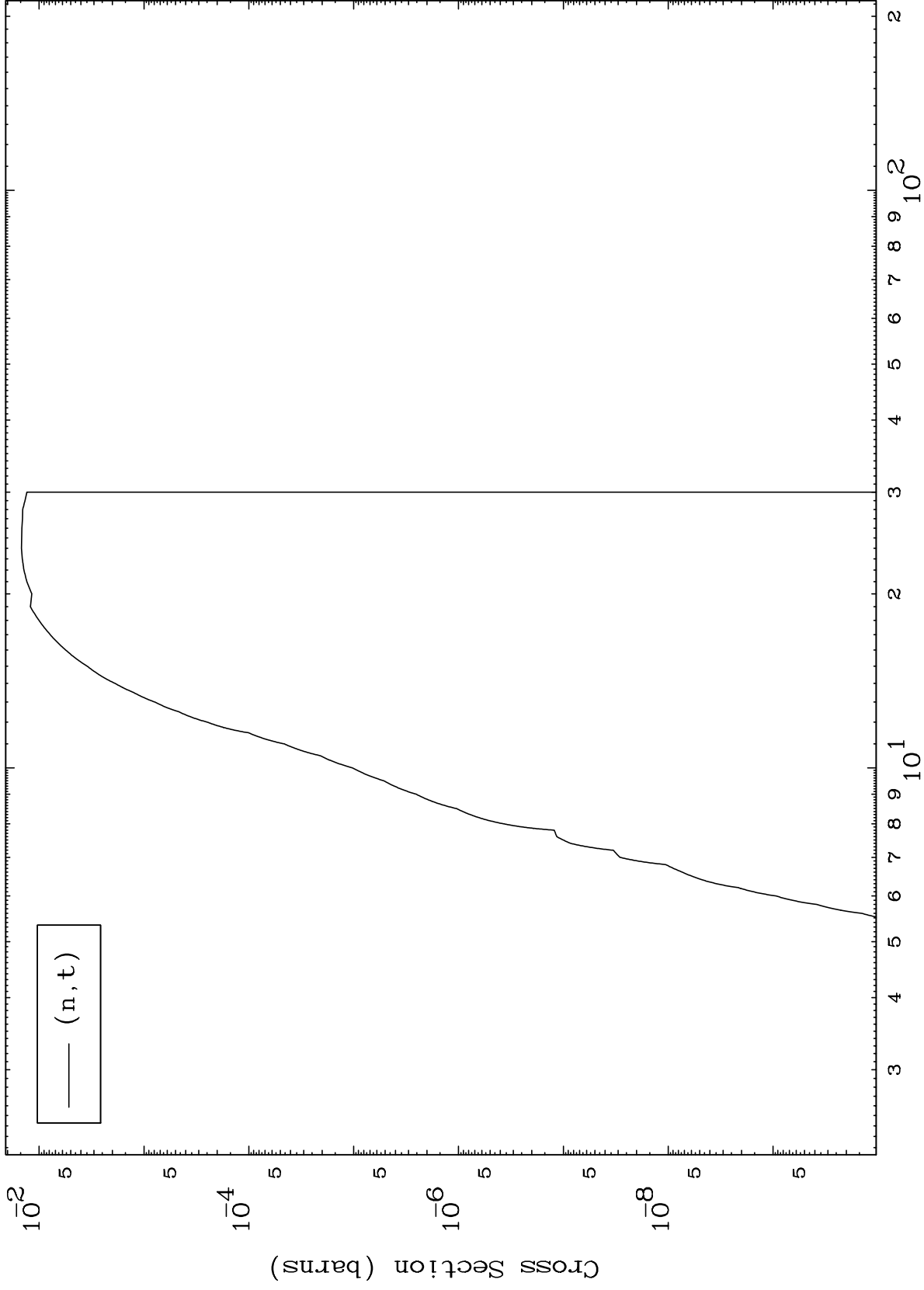
51-Sb-110



MAT 5092

(n,t) Levels  
293 Kelvin Cross Sections

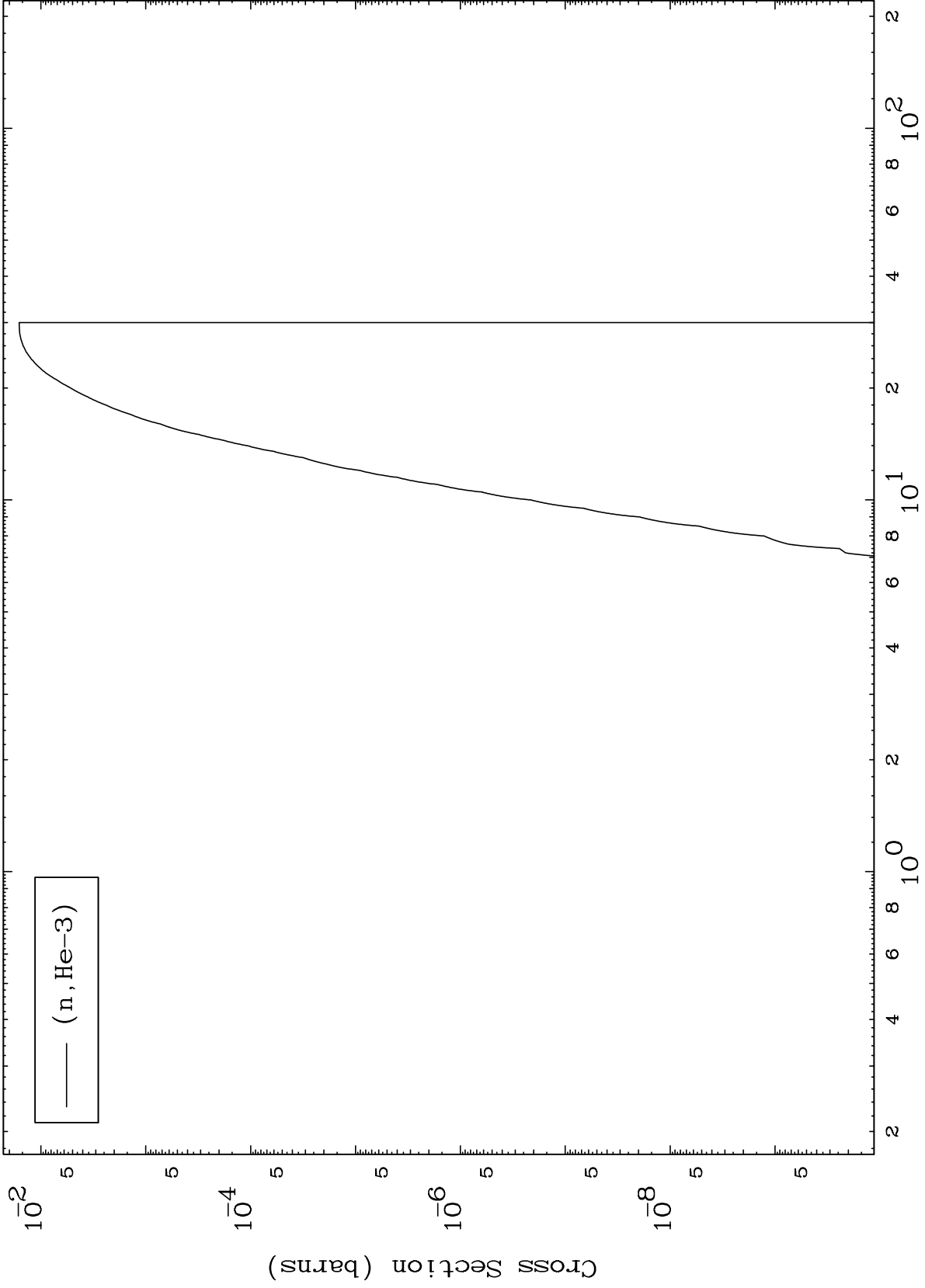
51-Sb-110



MAT 5092

(n,He3) Levels  
293 Kelvin Cross Sections

51-Sb-110



14

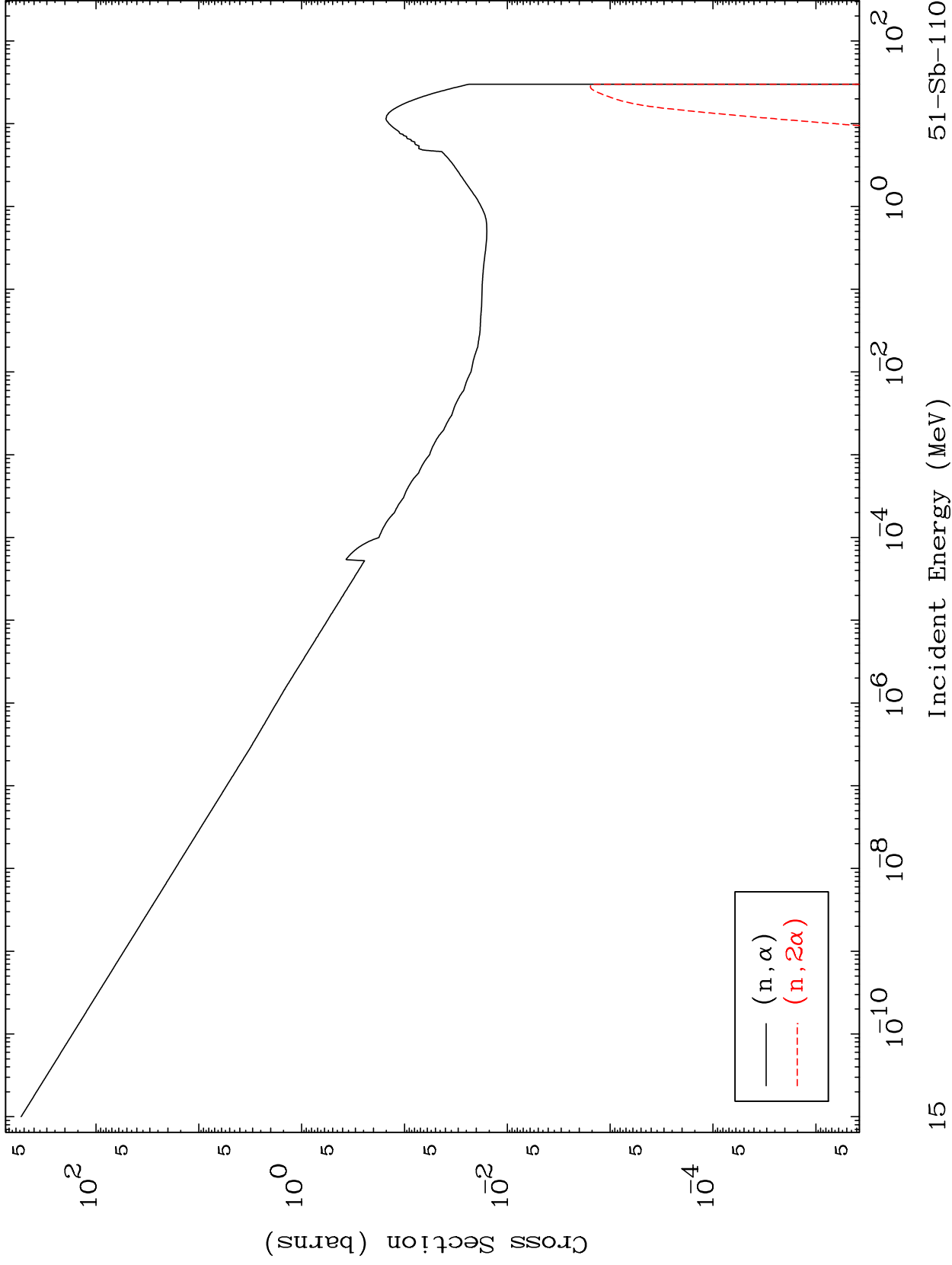
Incident Energy (MeV)

51-Sb-110

MAT 5092

(n,α) Levels  
293 Kelvin Cross Sections

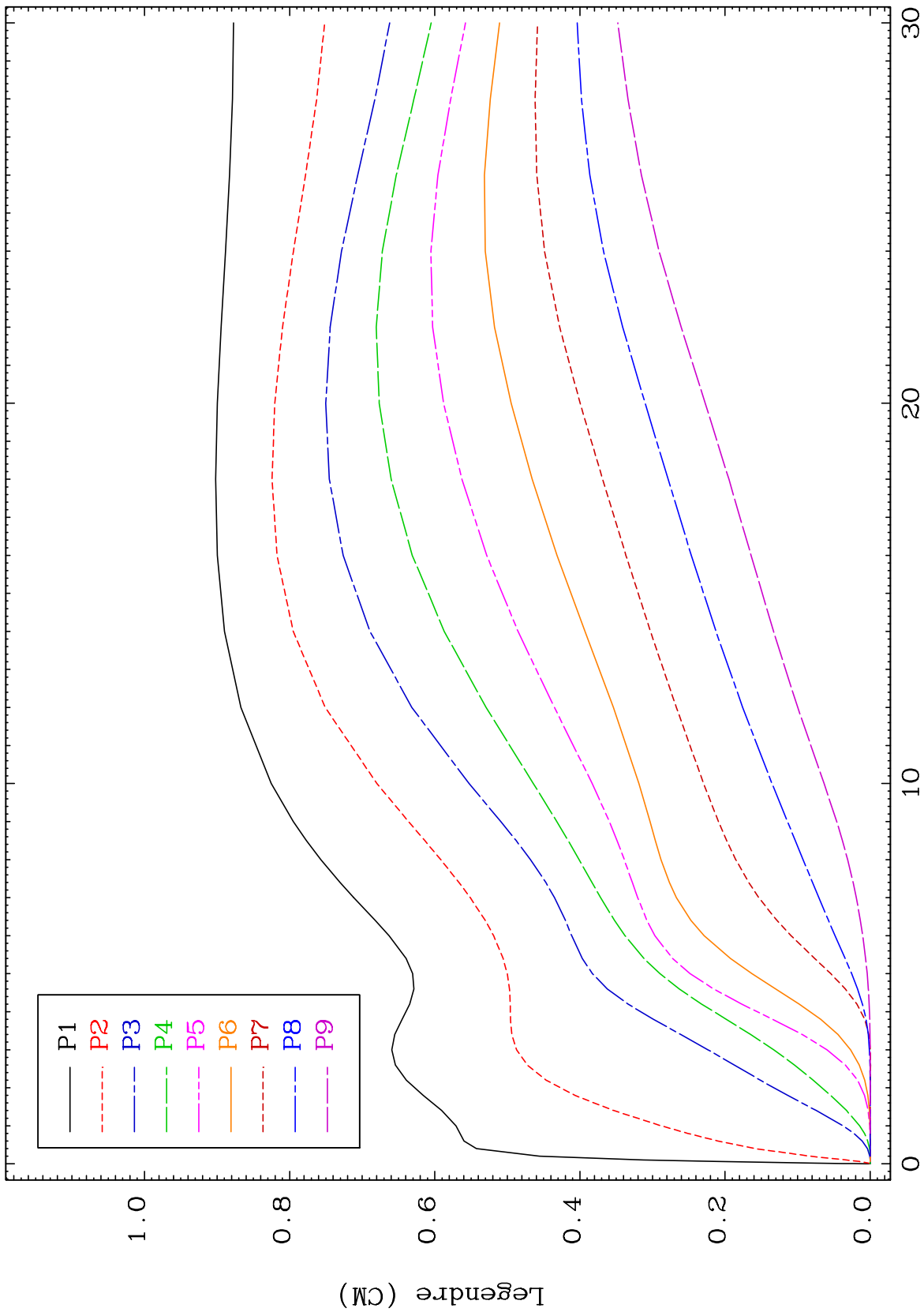
51-Sb-110



MAT 5092

Elastic Legendre Coefficients

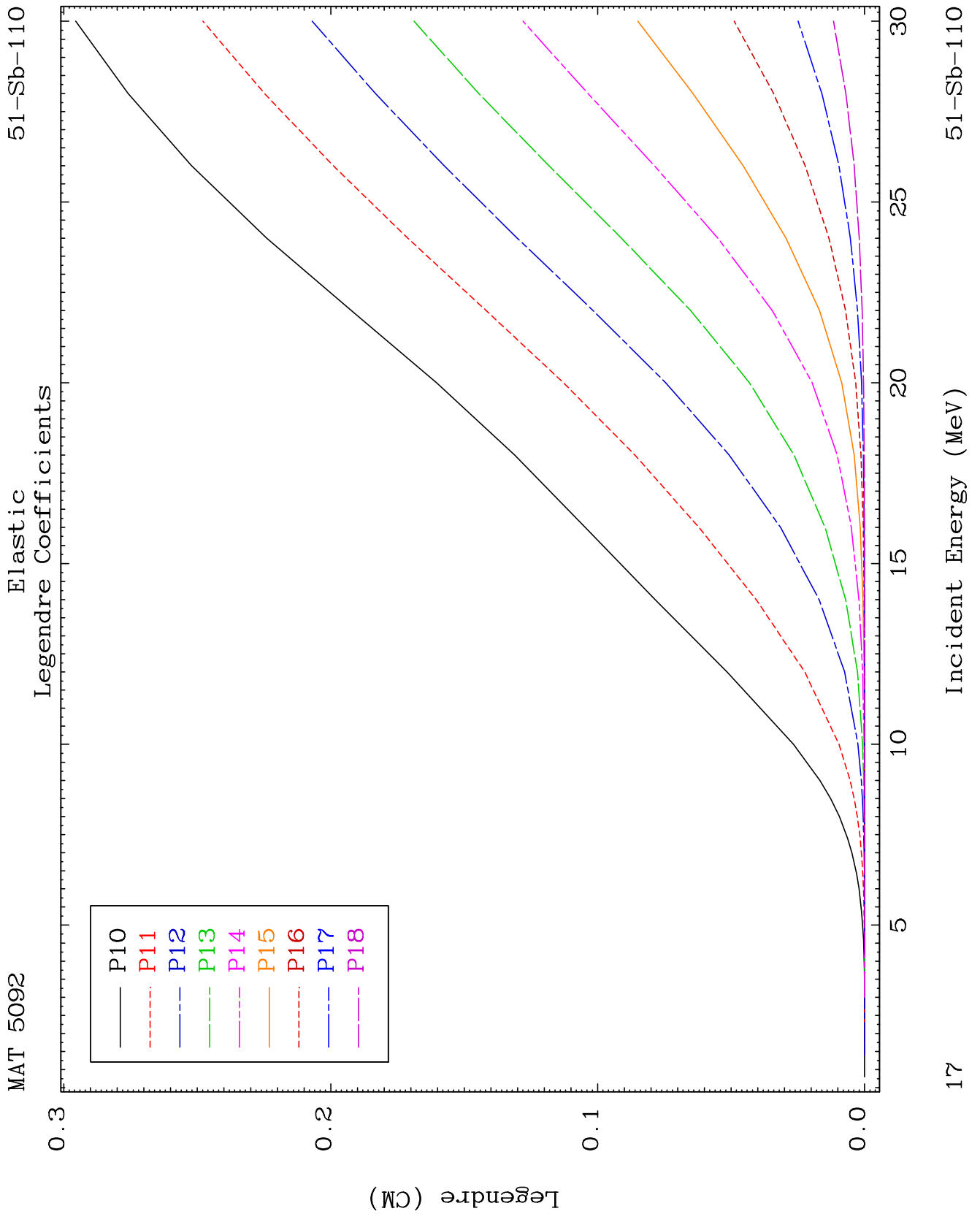
51-Sb-110



16

Incident Energy (MeV)

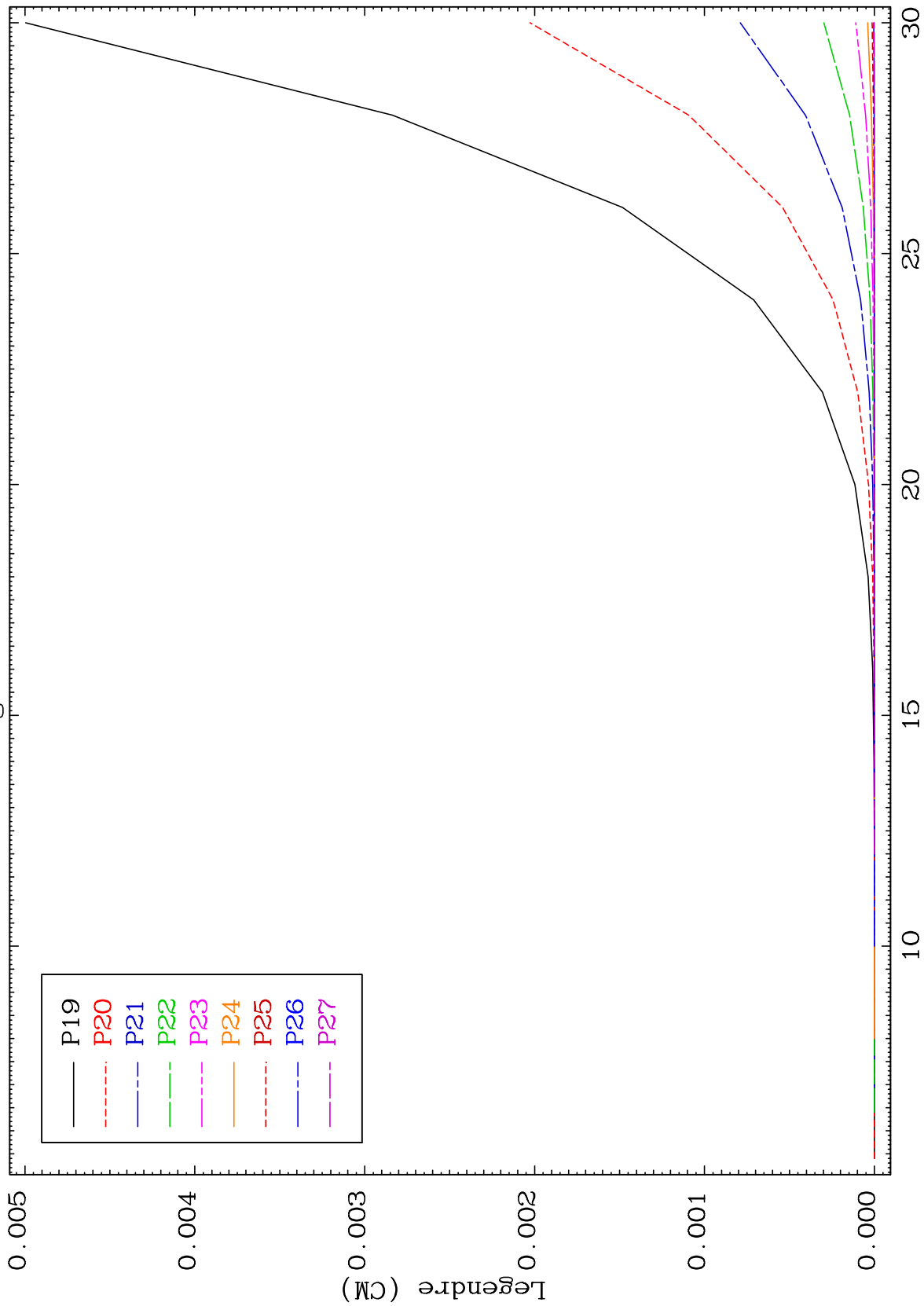
51-Sb-110



MAT 5092

Elastic Legendre Coefficients

51-Sb-110



18

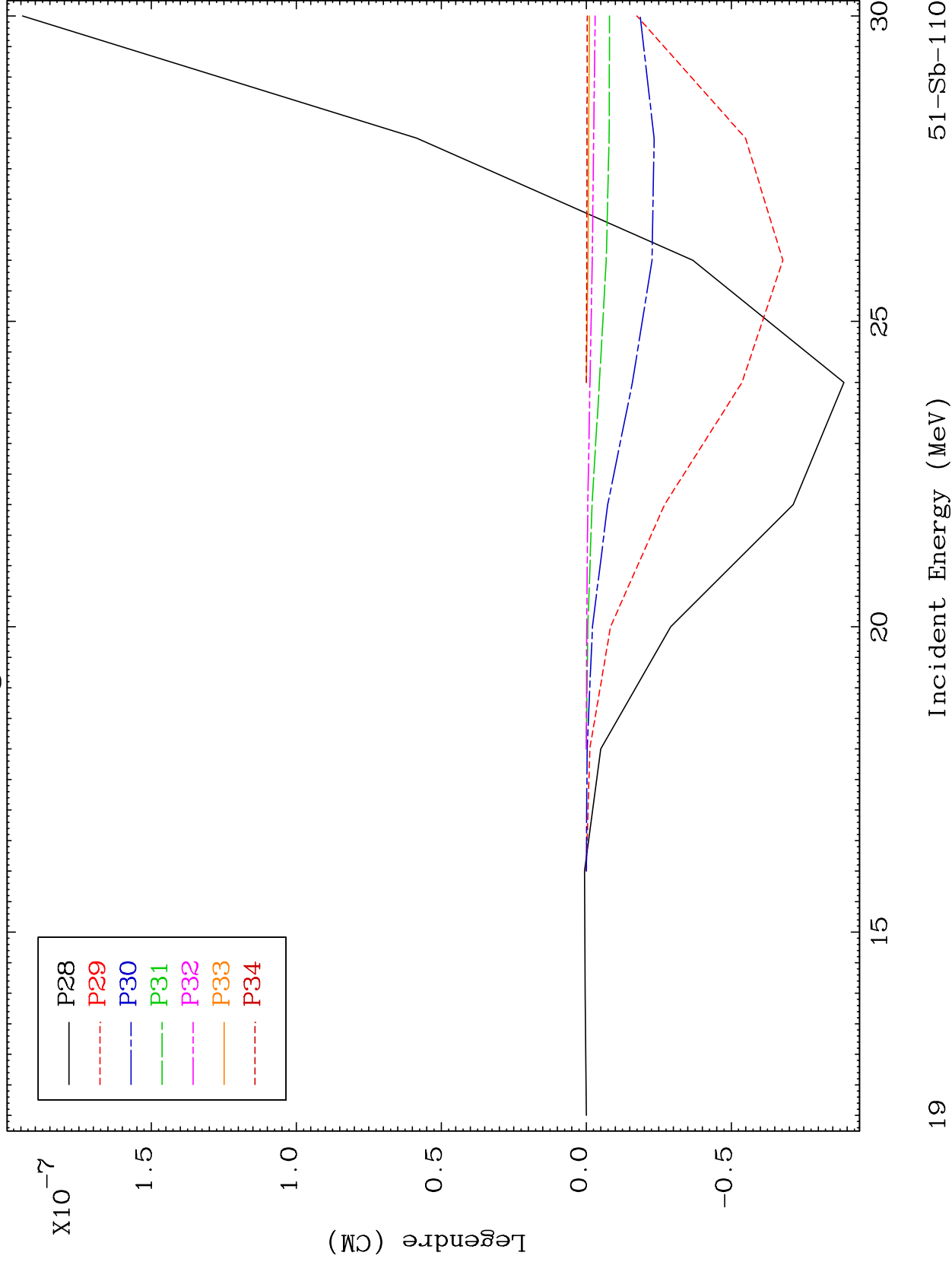
Incident Energy (MeV)

51-Sb-110

MAT 5092

Elastic Legendre Coefficients

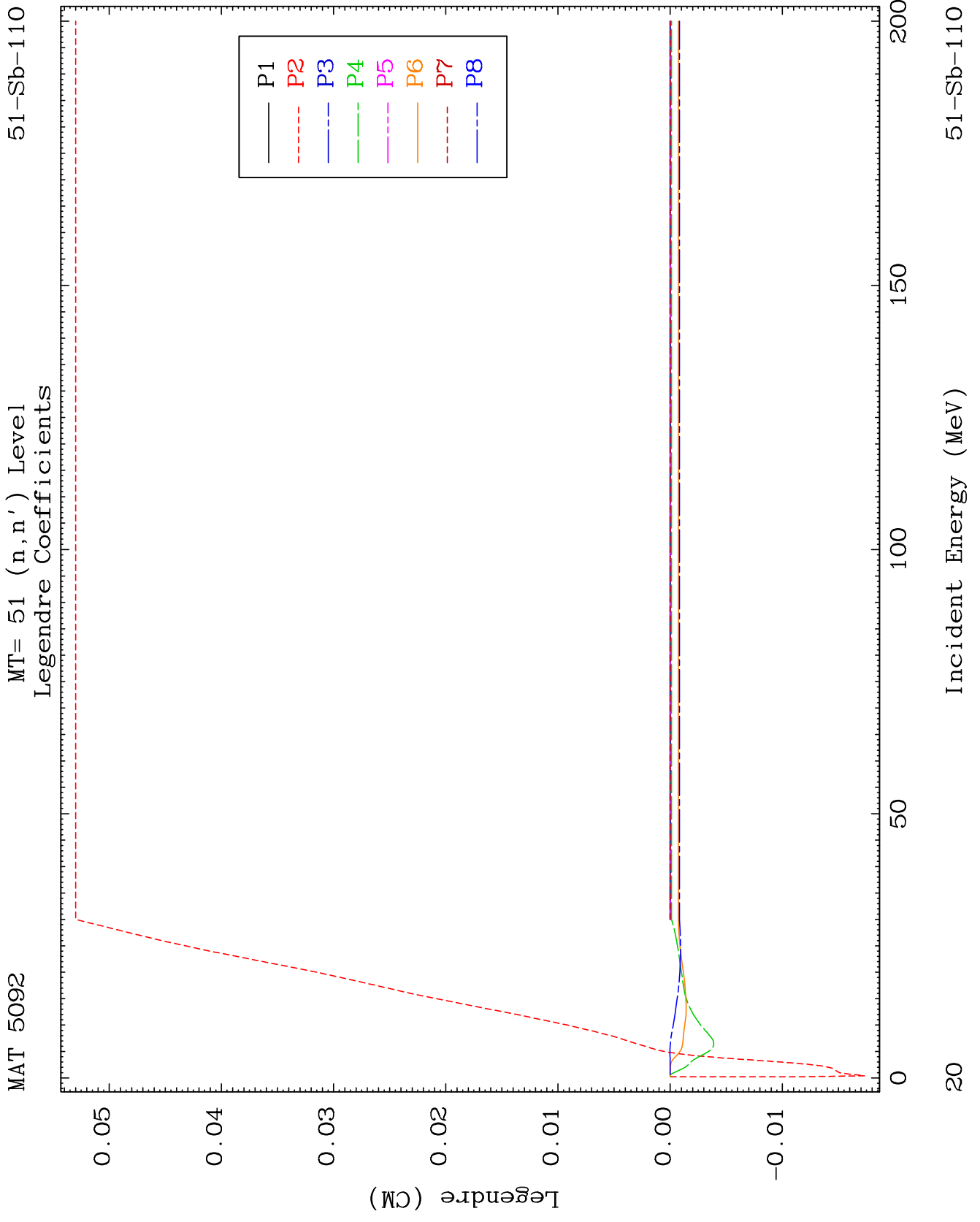
51-Sb-110

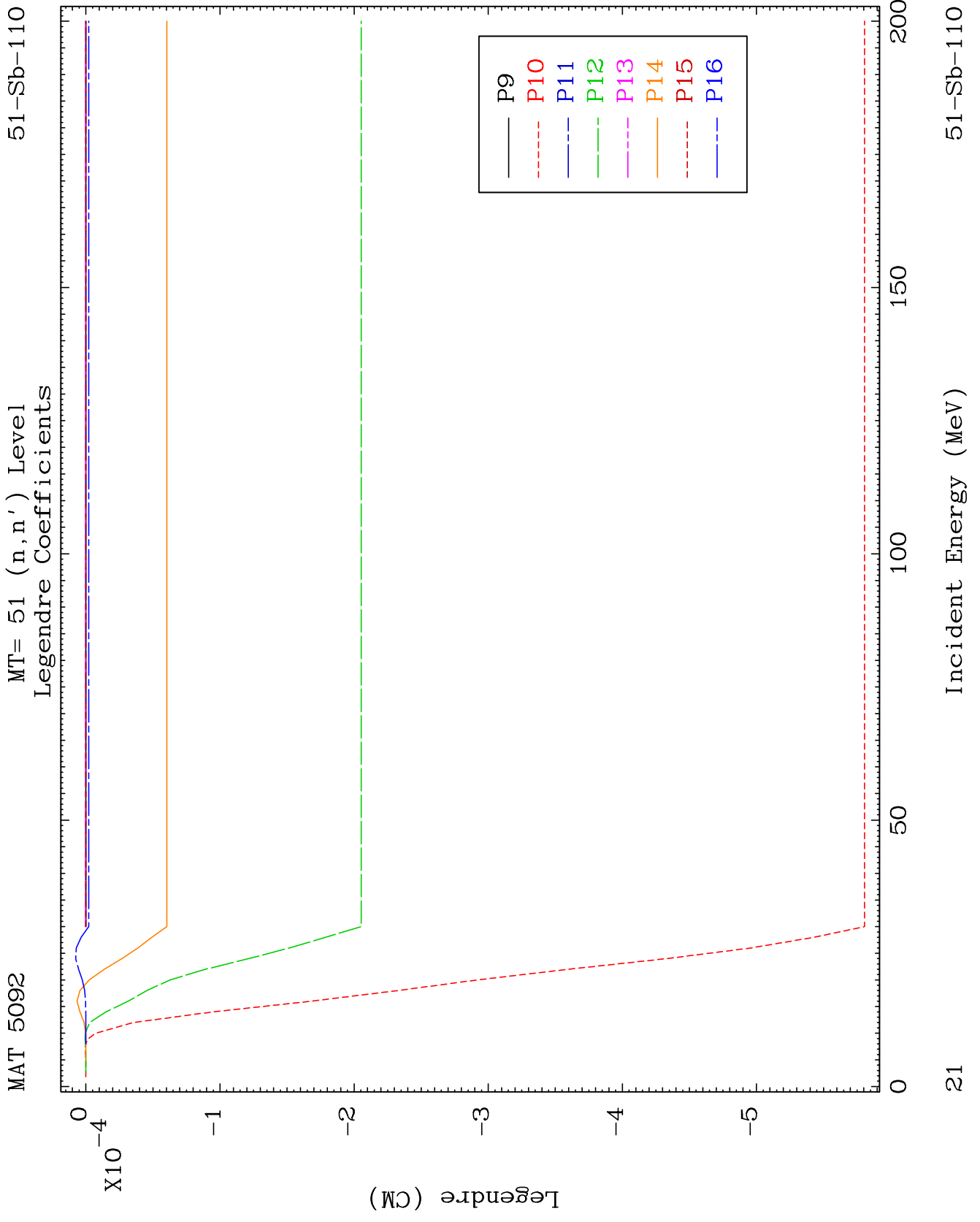


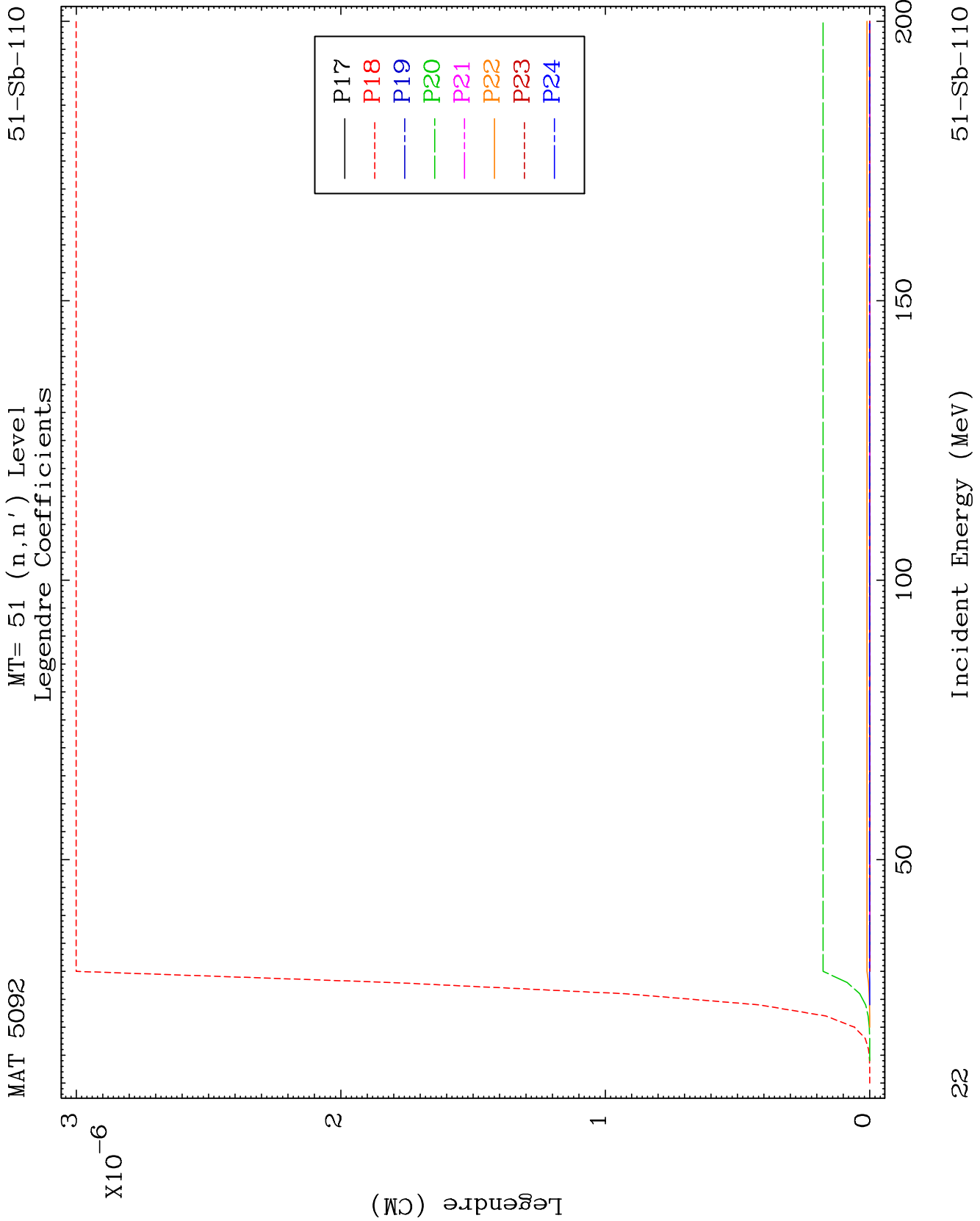
19

Incident Energy (MeV)

51-Sb-110



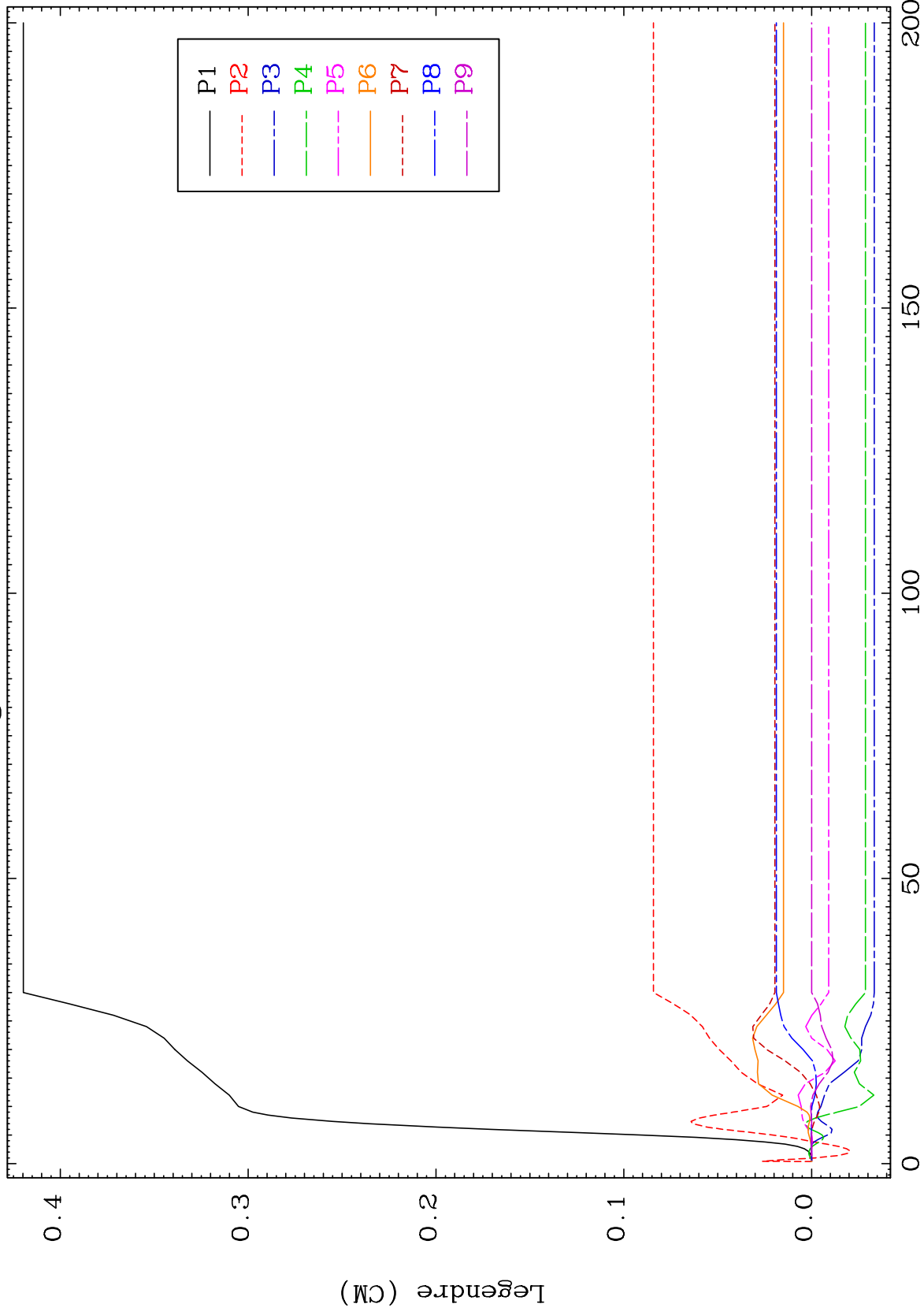




MAT 5092

MT= 52 (n,n') Level  
Legendre Coefficients

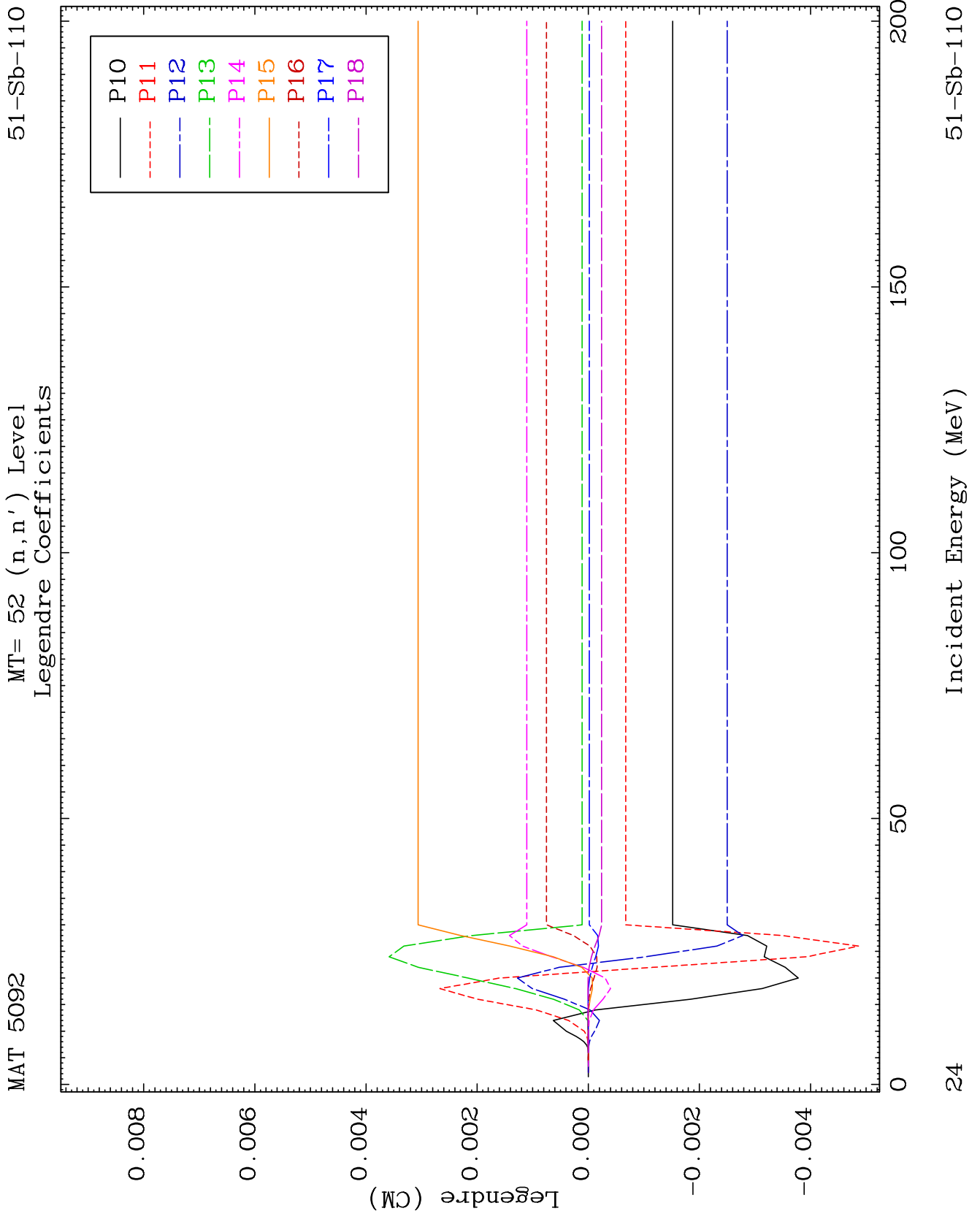
51-Sb-110

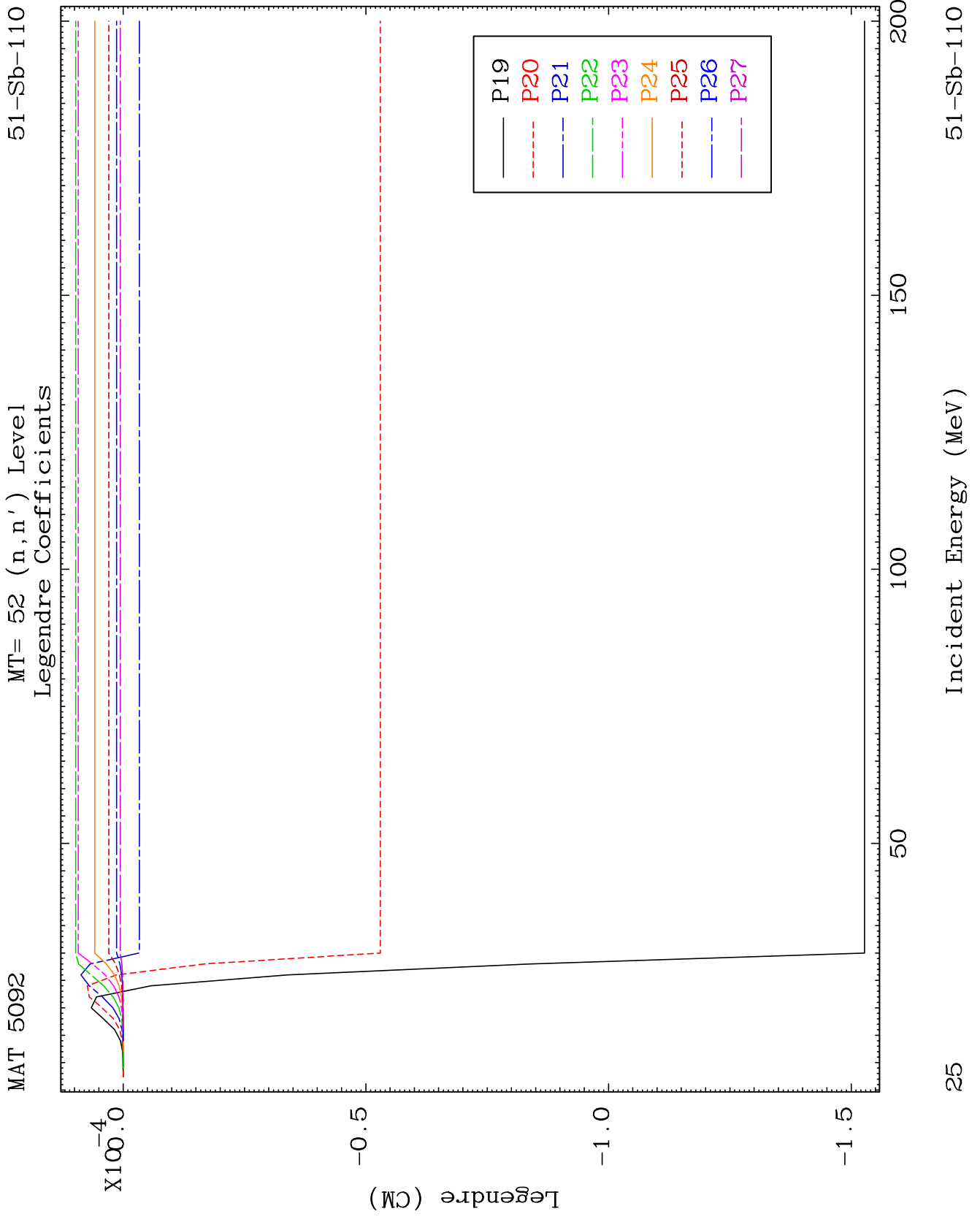


23

Incident Energy (MeV)

51-Sb-110

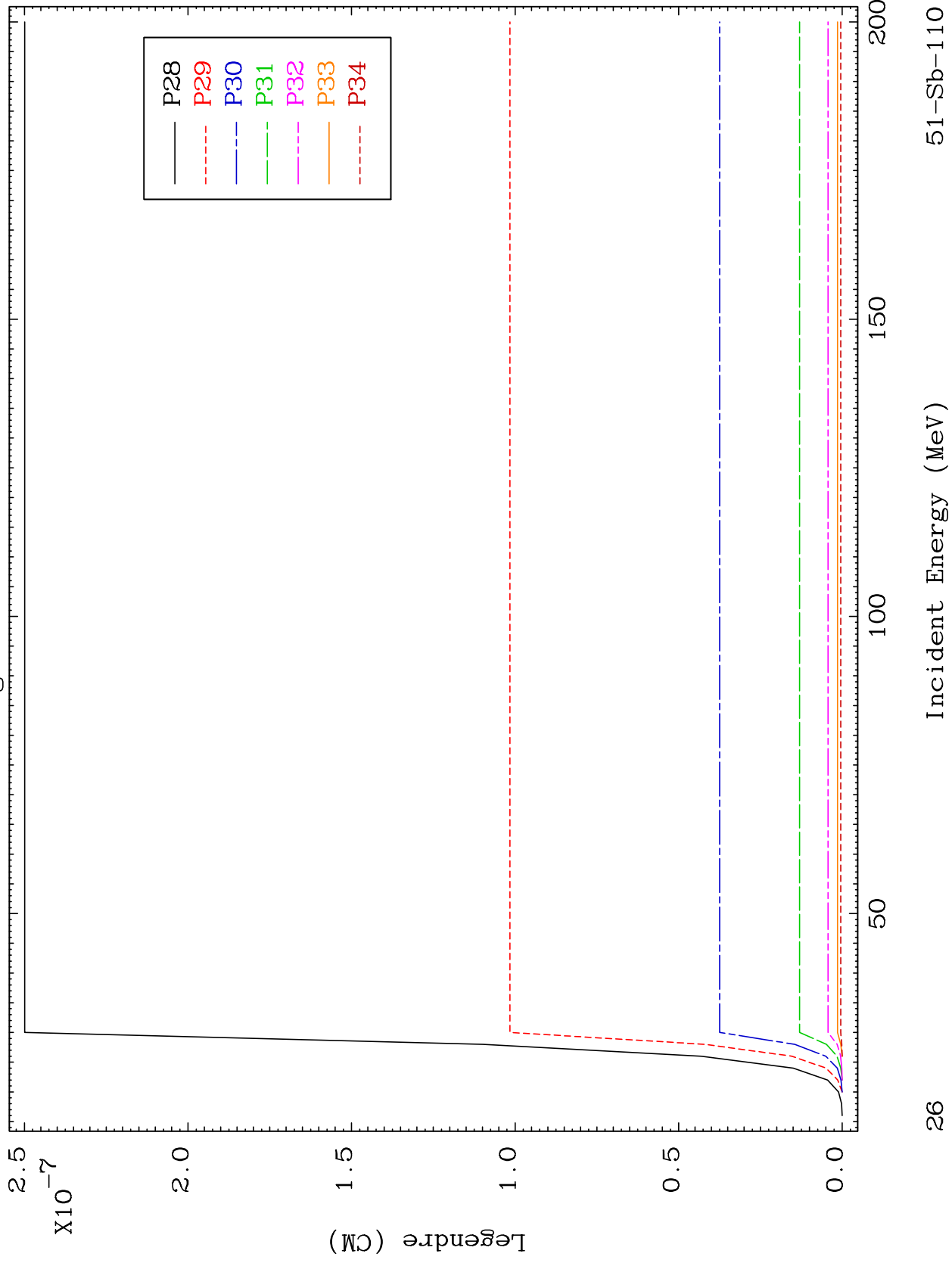




MAT 5092

MT= 52 (n,n') Level  
Legendre Coefficients

51-Sb-110



26

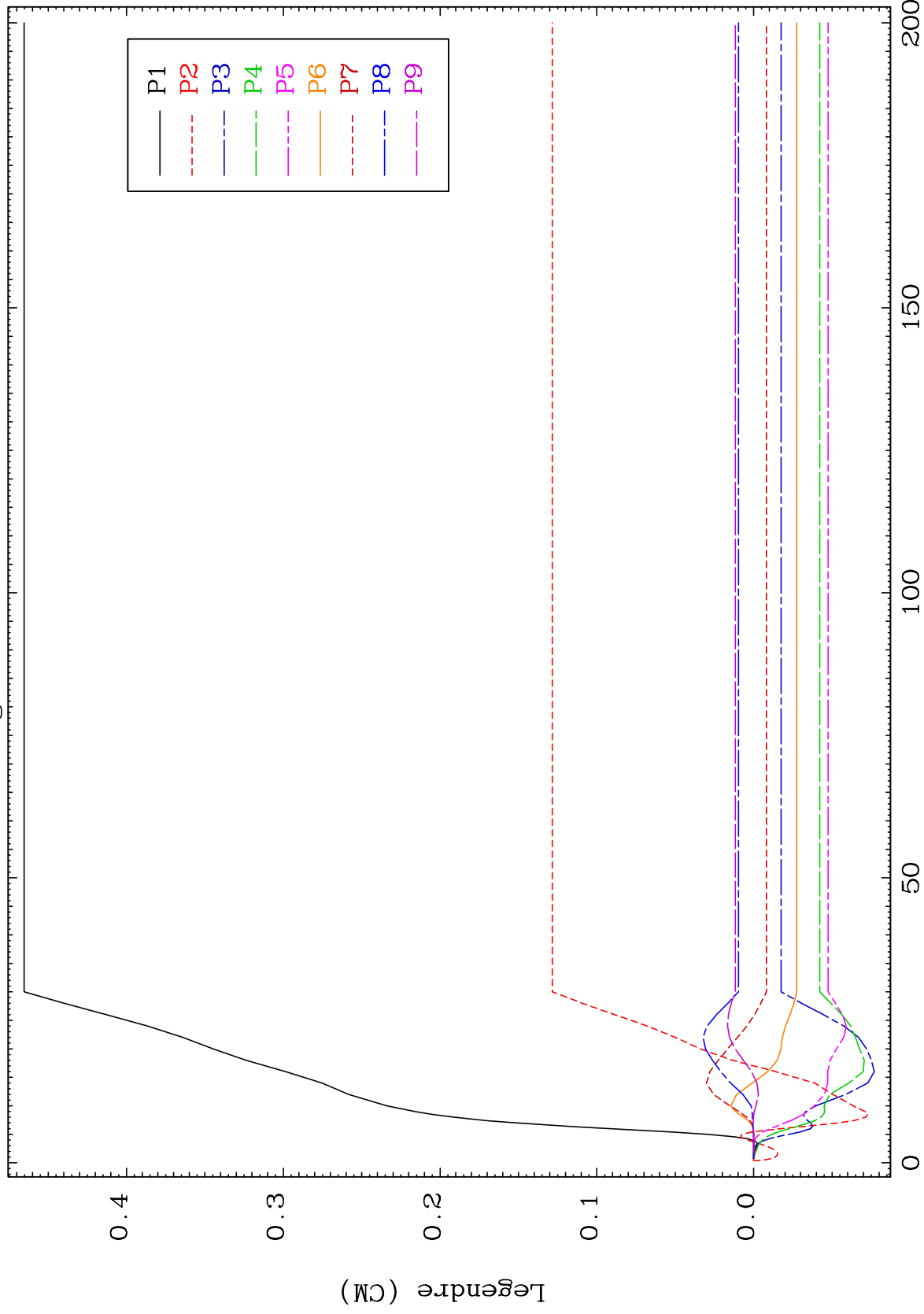
Incident Energy (MeV)

51-Sb-110

MAT 5092

MT= 53 (n,n') Level  
Legendre Coefficients

51-Sb-110



27

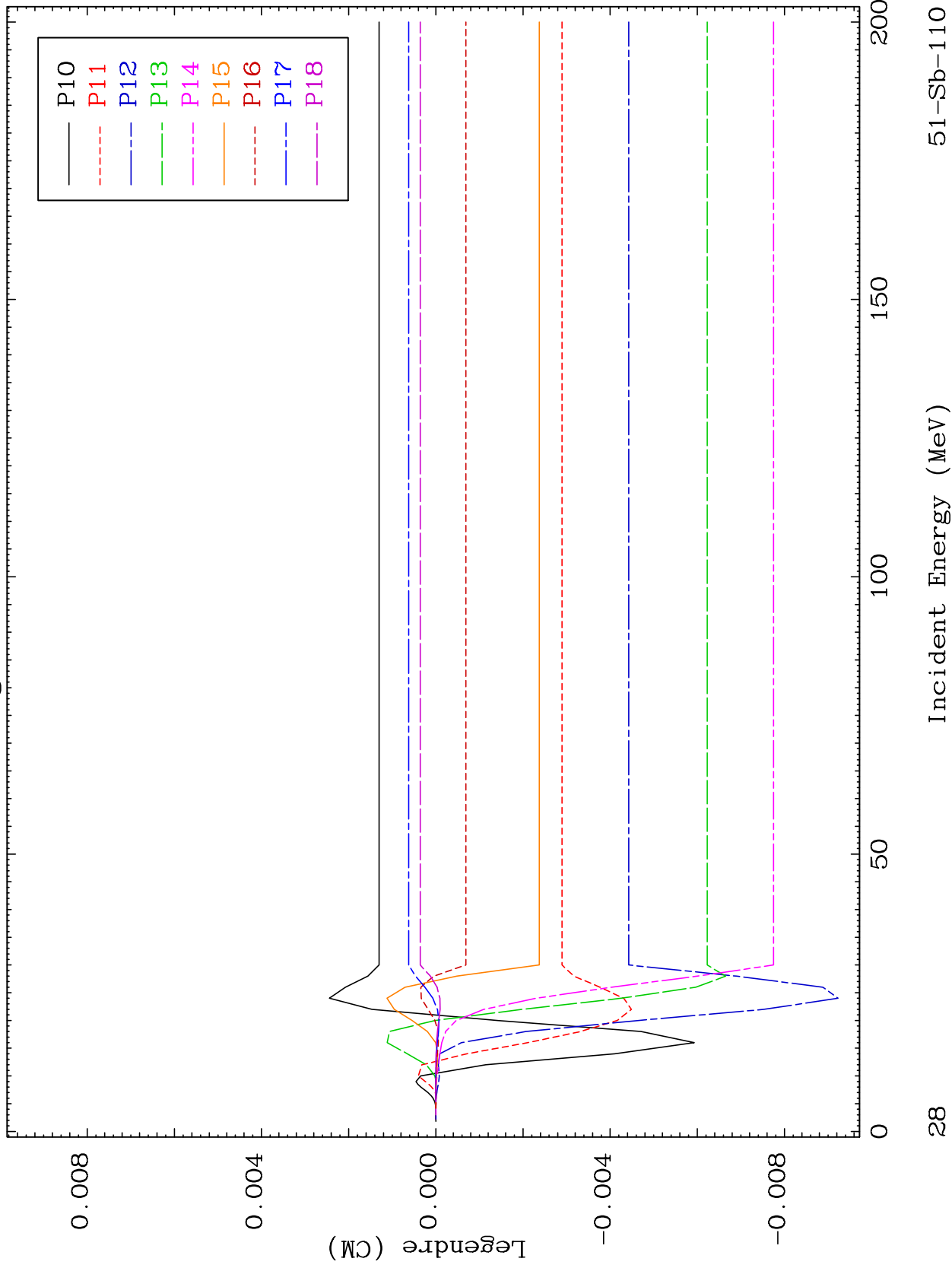
Incident Energy (MeV)

51-Sb-110

MAT 5092

MT= 53 (n,n') Level  
Legendre Coefficients

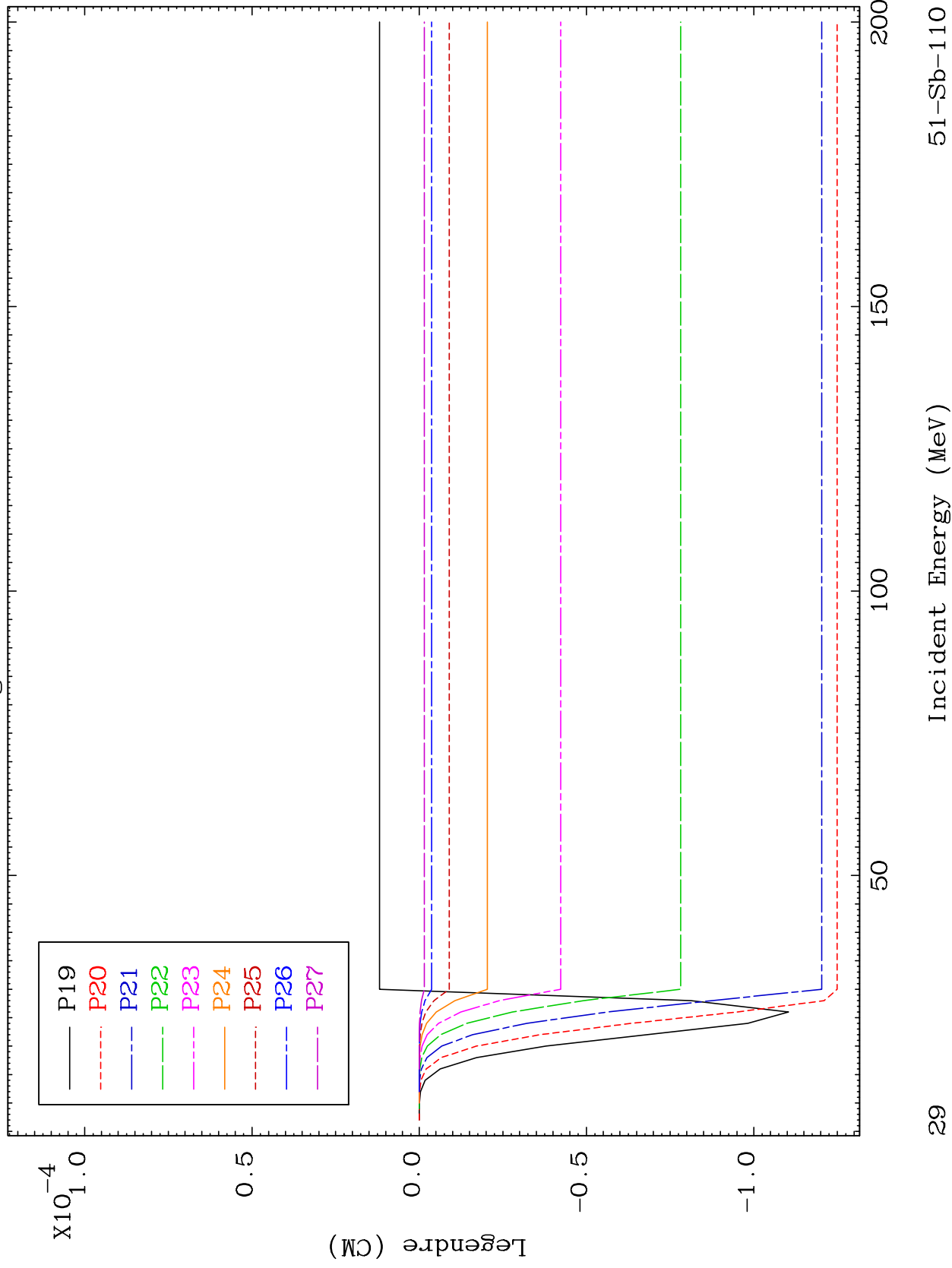
51-Sb-110

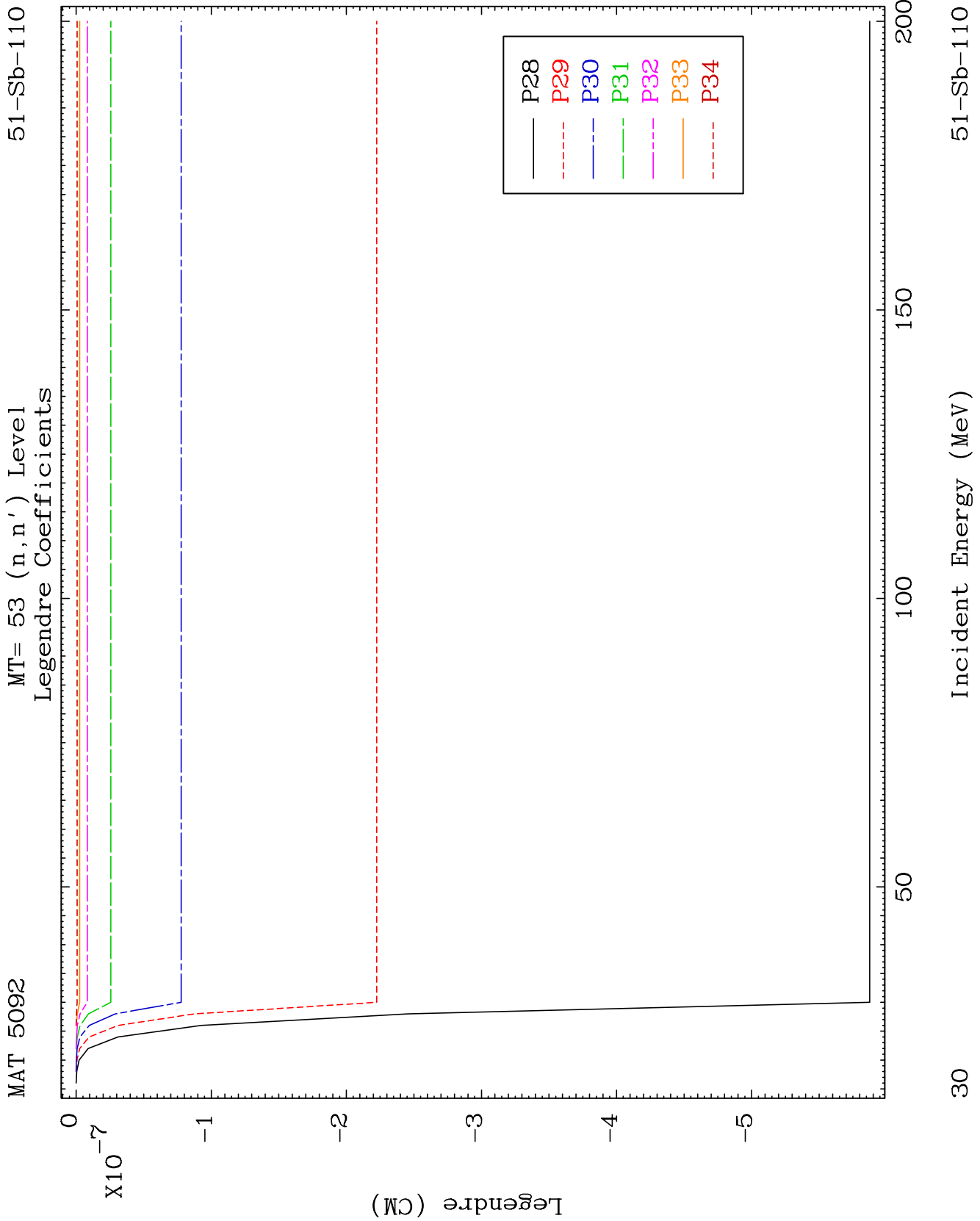


51-Sb-110

Incident Energy (MeV)

28



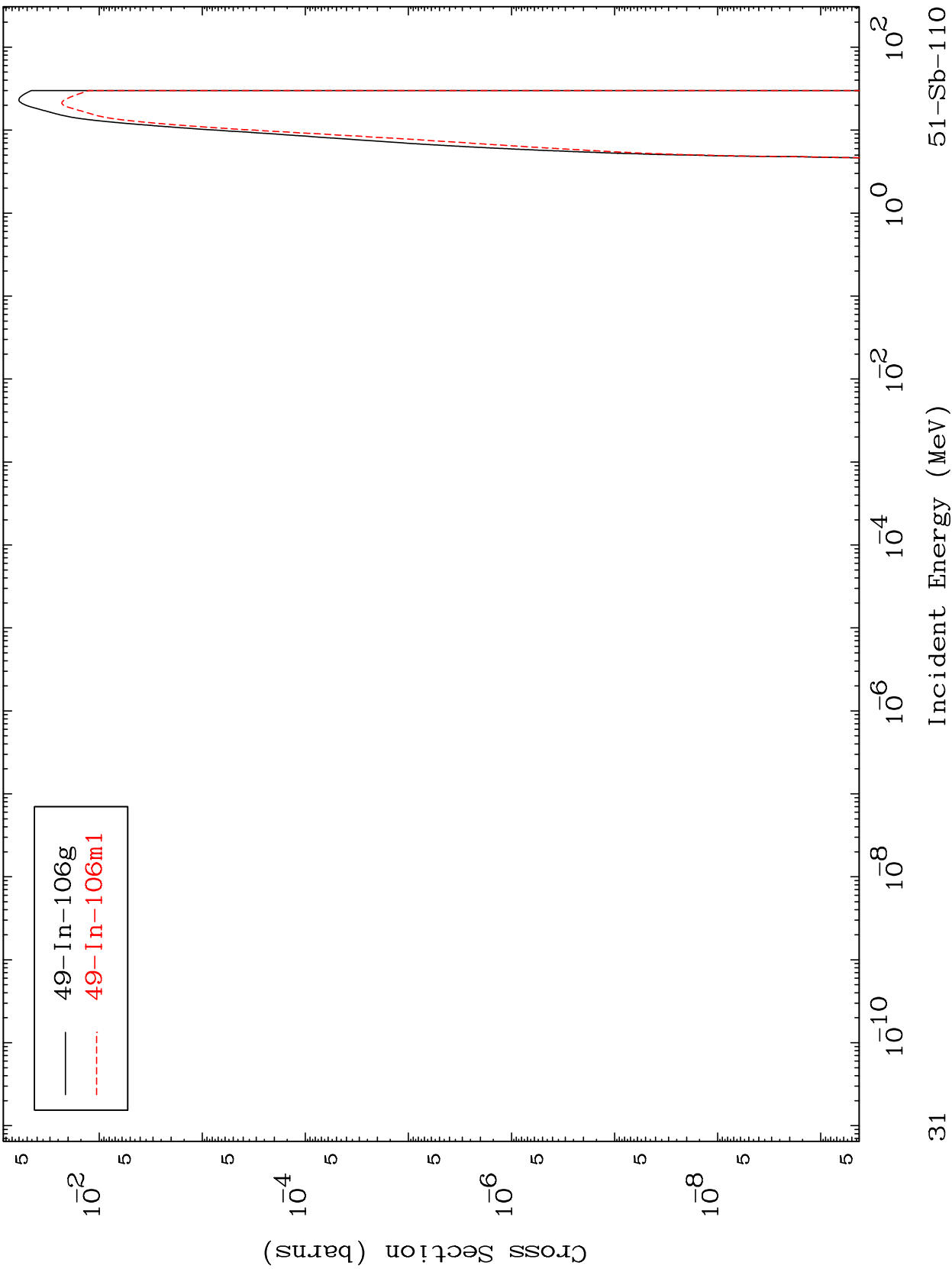


MAT 5092

$(n, n') \alpha$

51-Sb-110

Radionuclide Production Cross Section

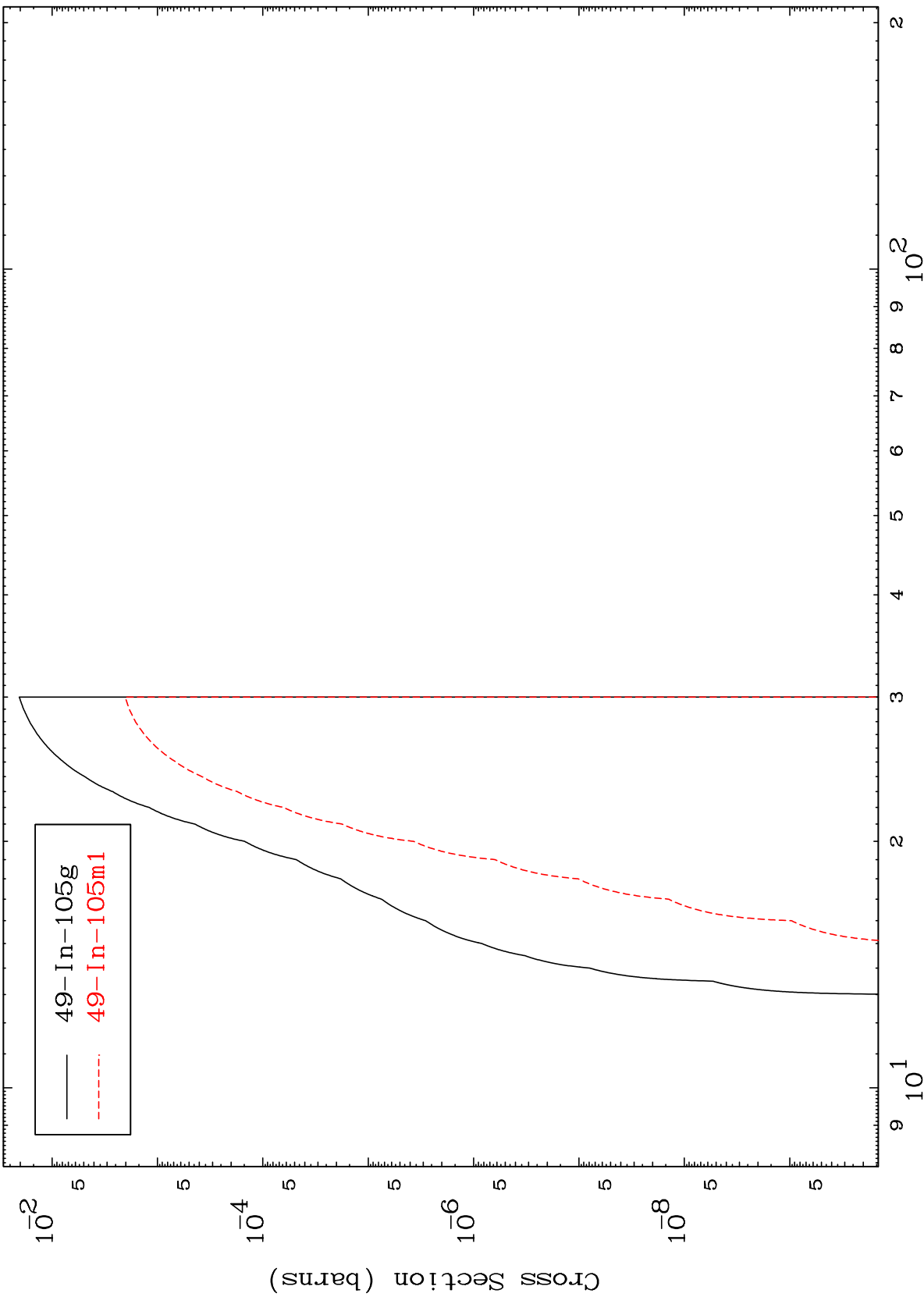


MAT 5092

(n,2n)  $\alpha$

51-Sb-110

Radionuclide Production Cross Section

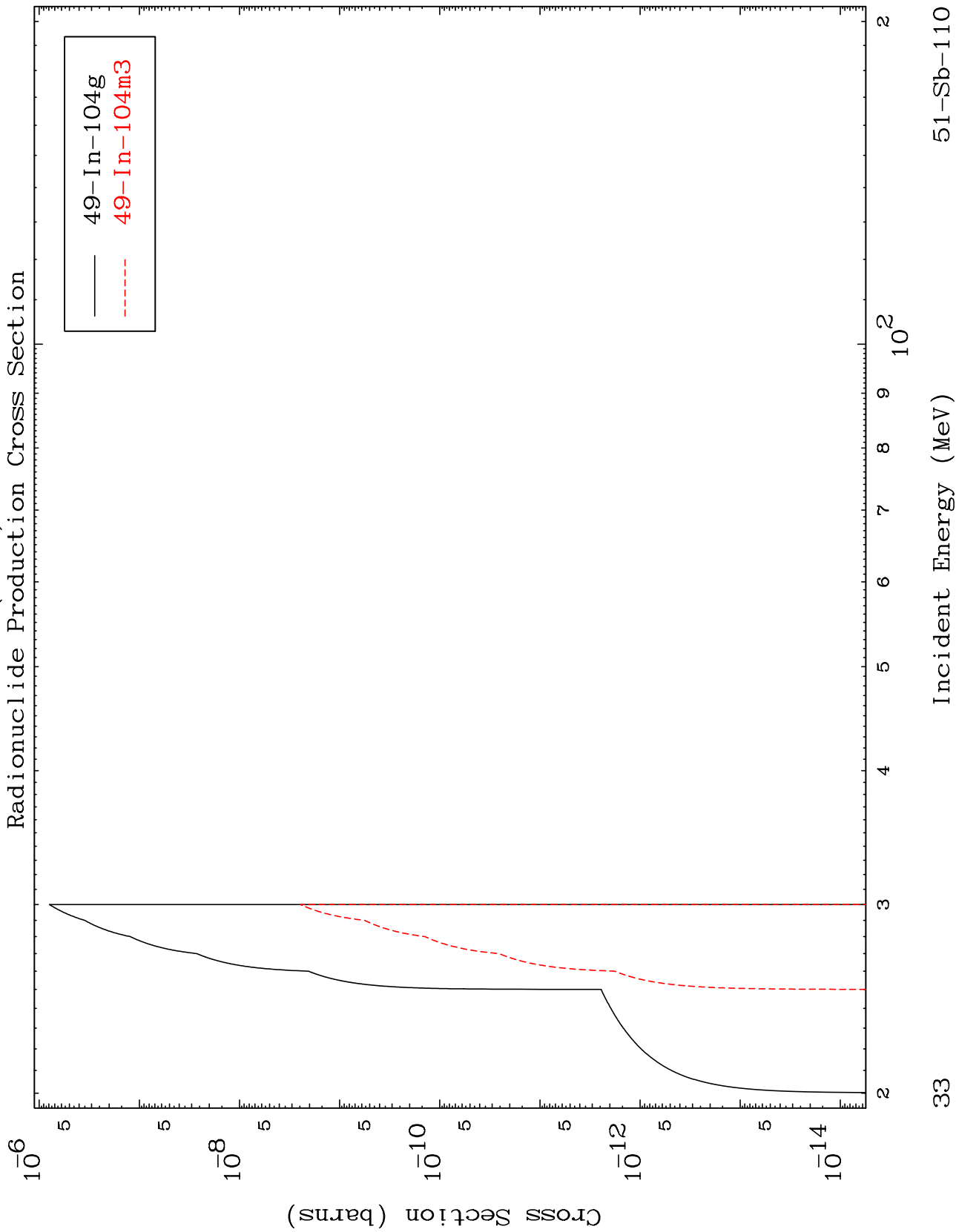


— 49-In-105g  
- - - 49-In-105m1

MAT 5092

(n,3n)  $\alpha$

51-Sb-110

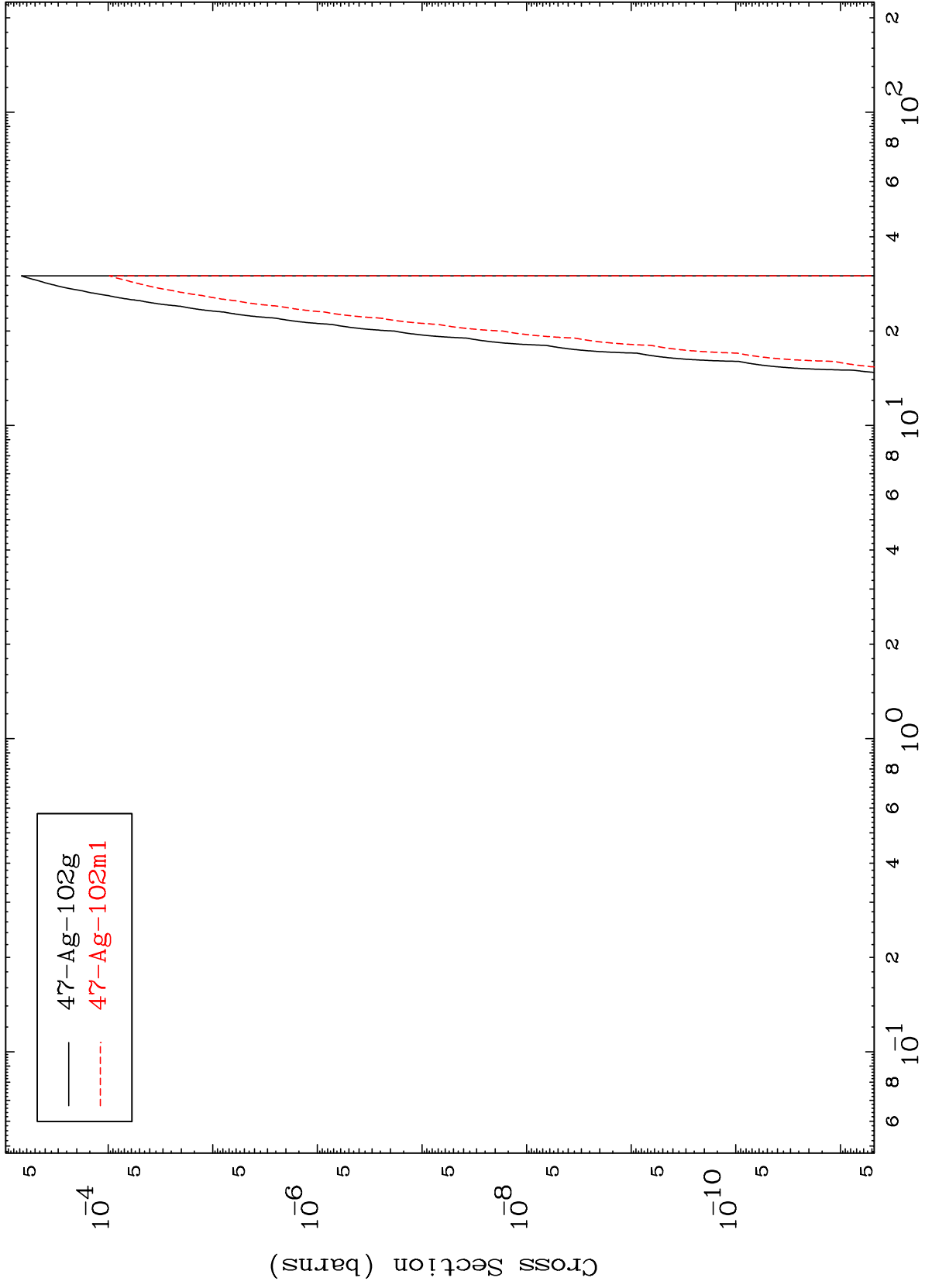


MAT 5092

(n,n') 2α

51-Sb-110

Radionuclide Production Cross Section



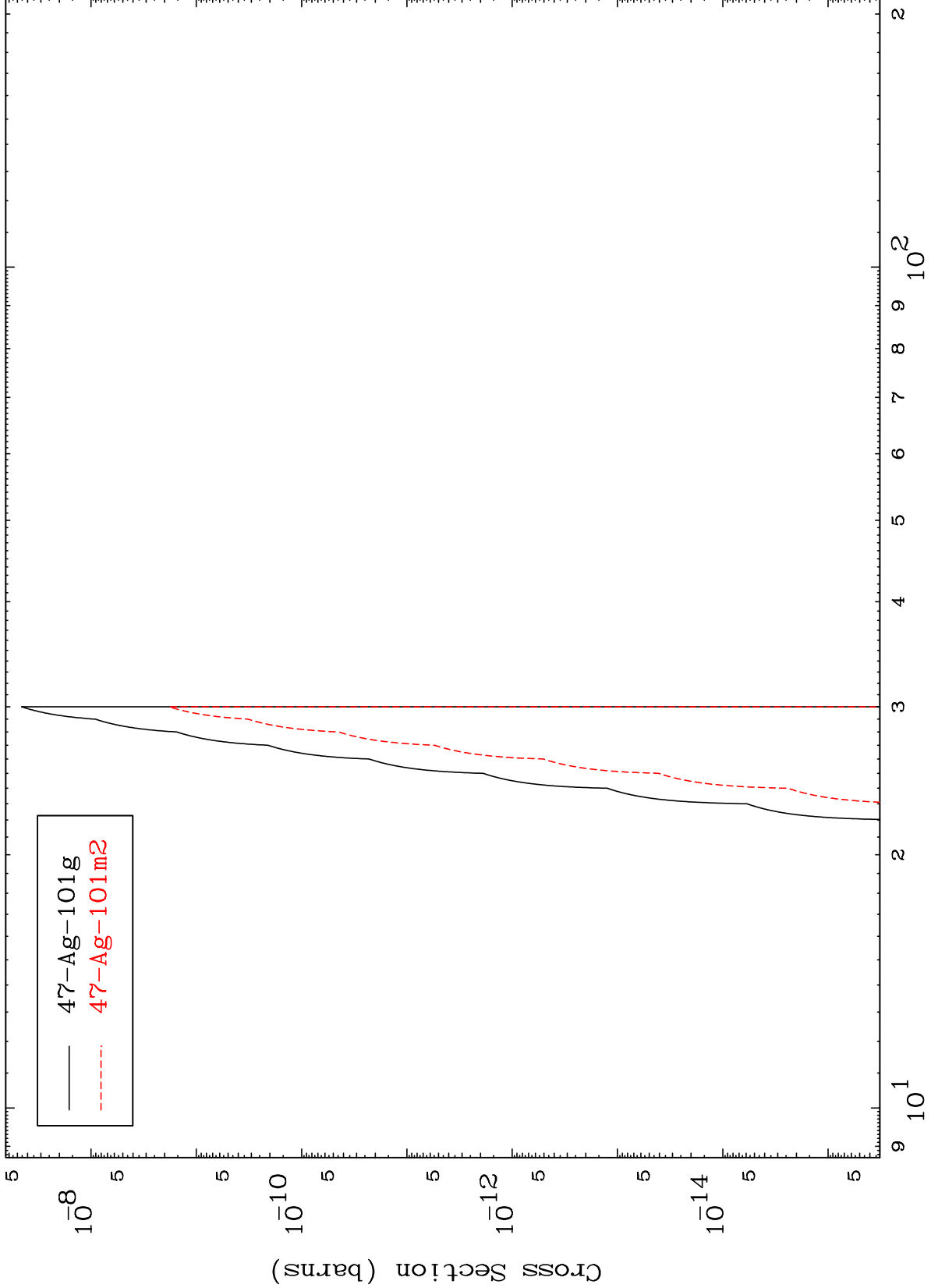
— 47-Ag-102g  
- - - 47-Ag-102m1

MAT 5092

(n,2n) 2α

51-Sb-110

Radionuclide Production Cross Section



— 47-Ag-101g  
- - - 47-Ag-101m2

35

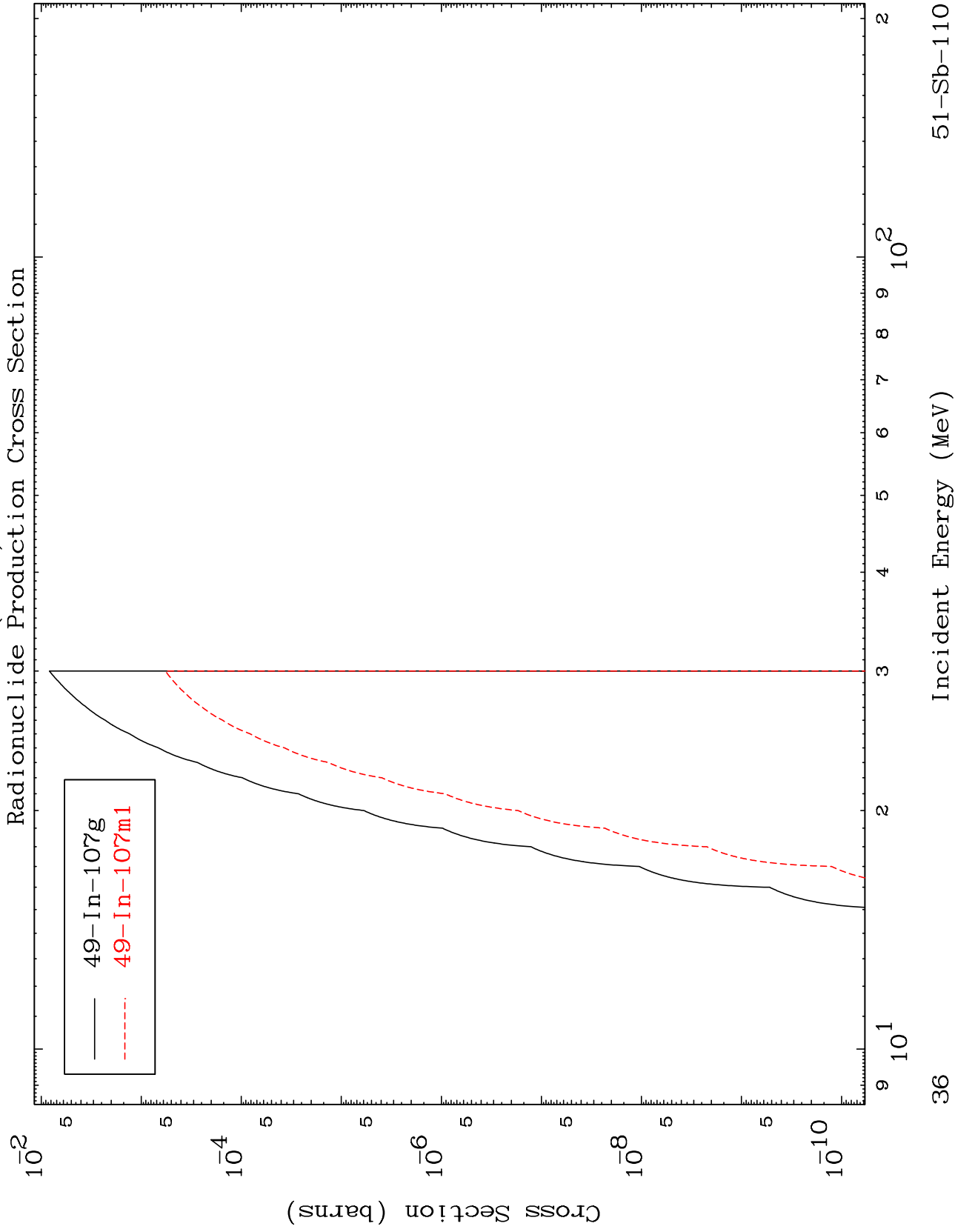
Incident Energy (MeV)

51-Sb-110

MAT 5092

(n,n') He-3

51-Sb-110



36

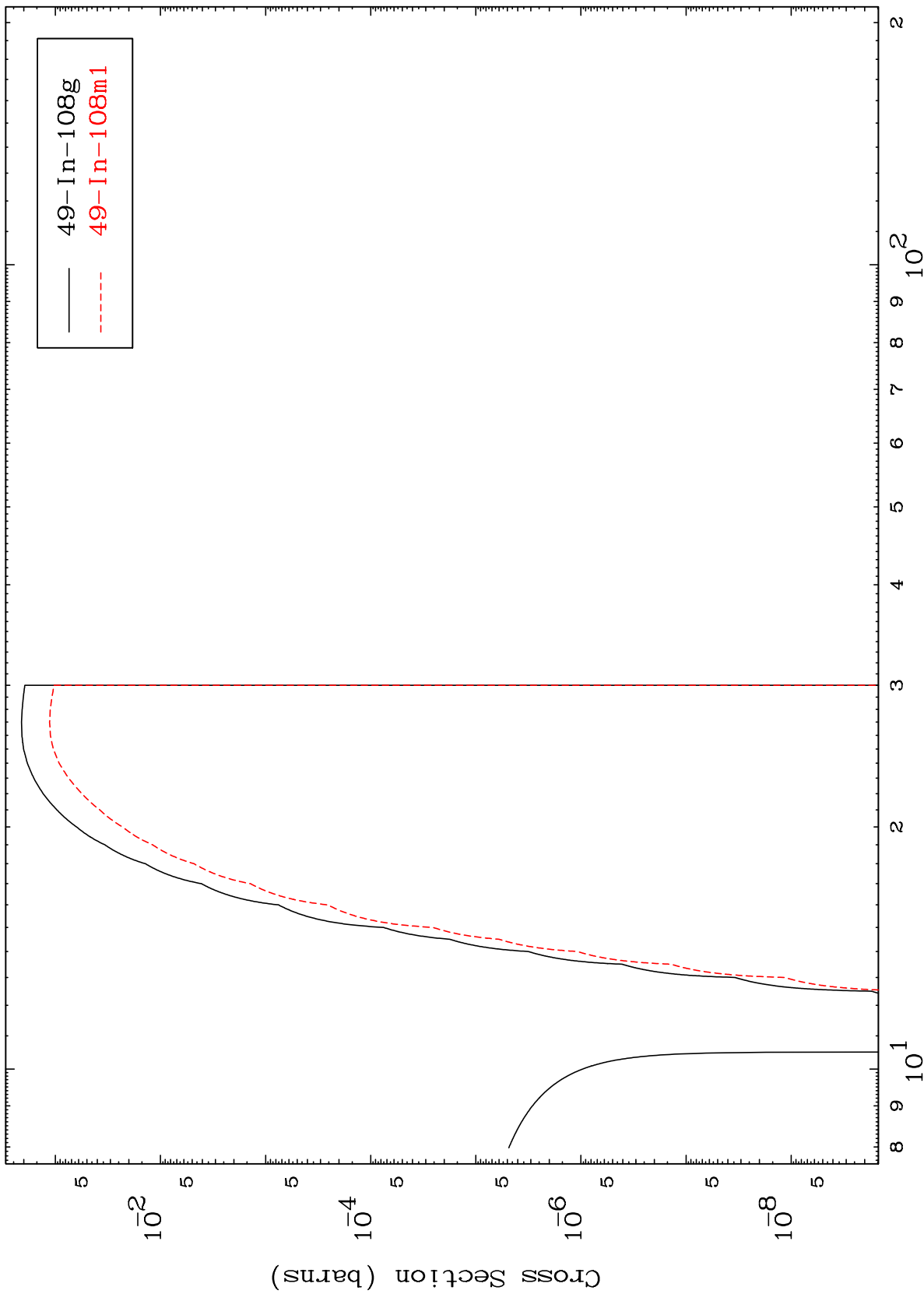
51-Sb-110

MAT 5092

(n,2n) p

51-Sb-110

Radionuclide Production Cross Section



37

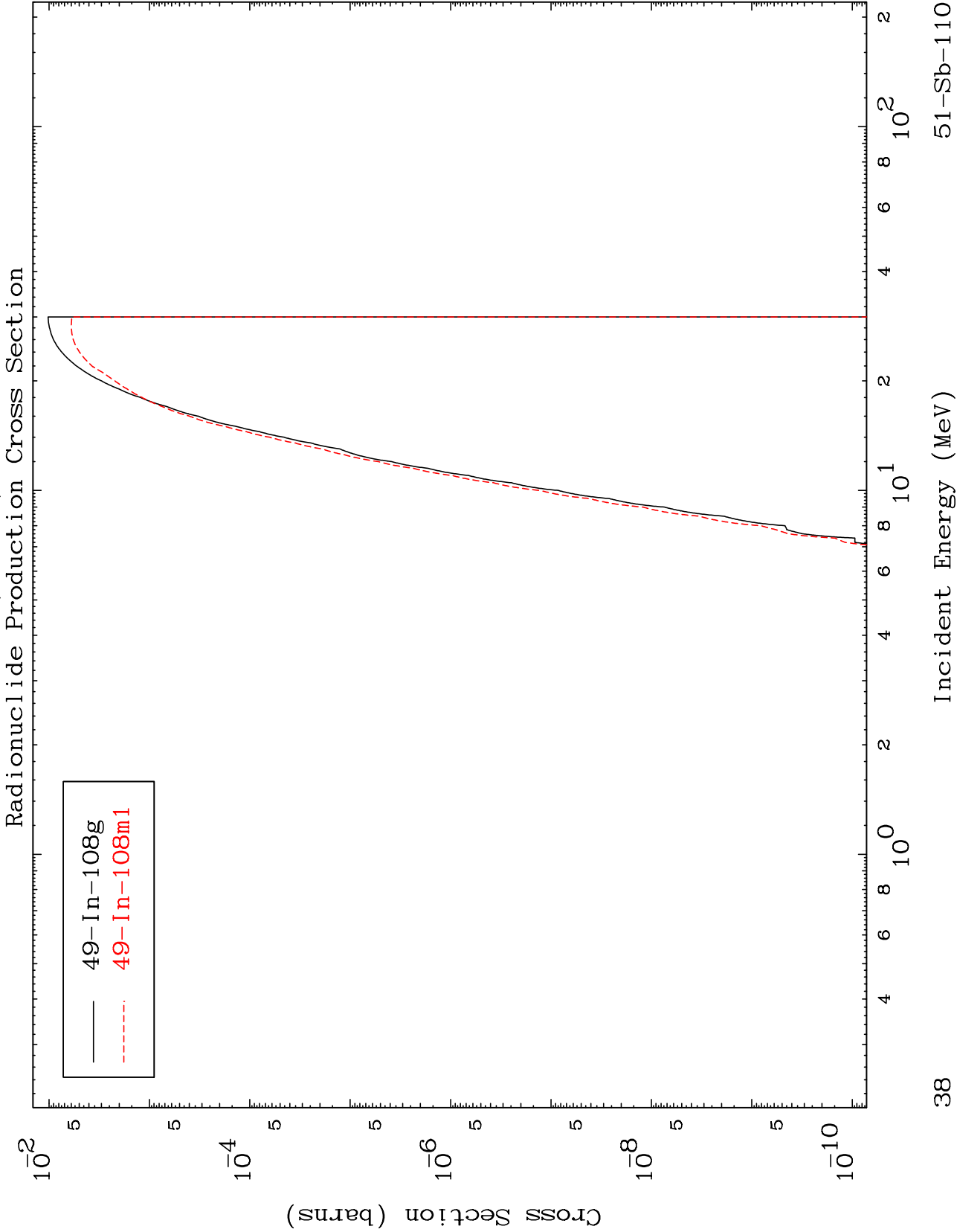
Incident Energy (MeV)

51-Sb-110

MAT 5092

(n,He-3)

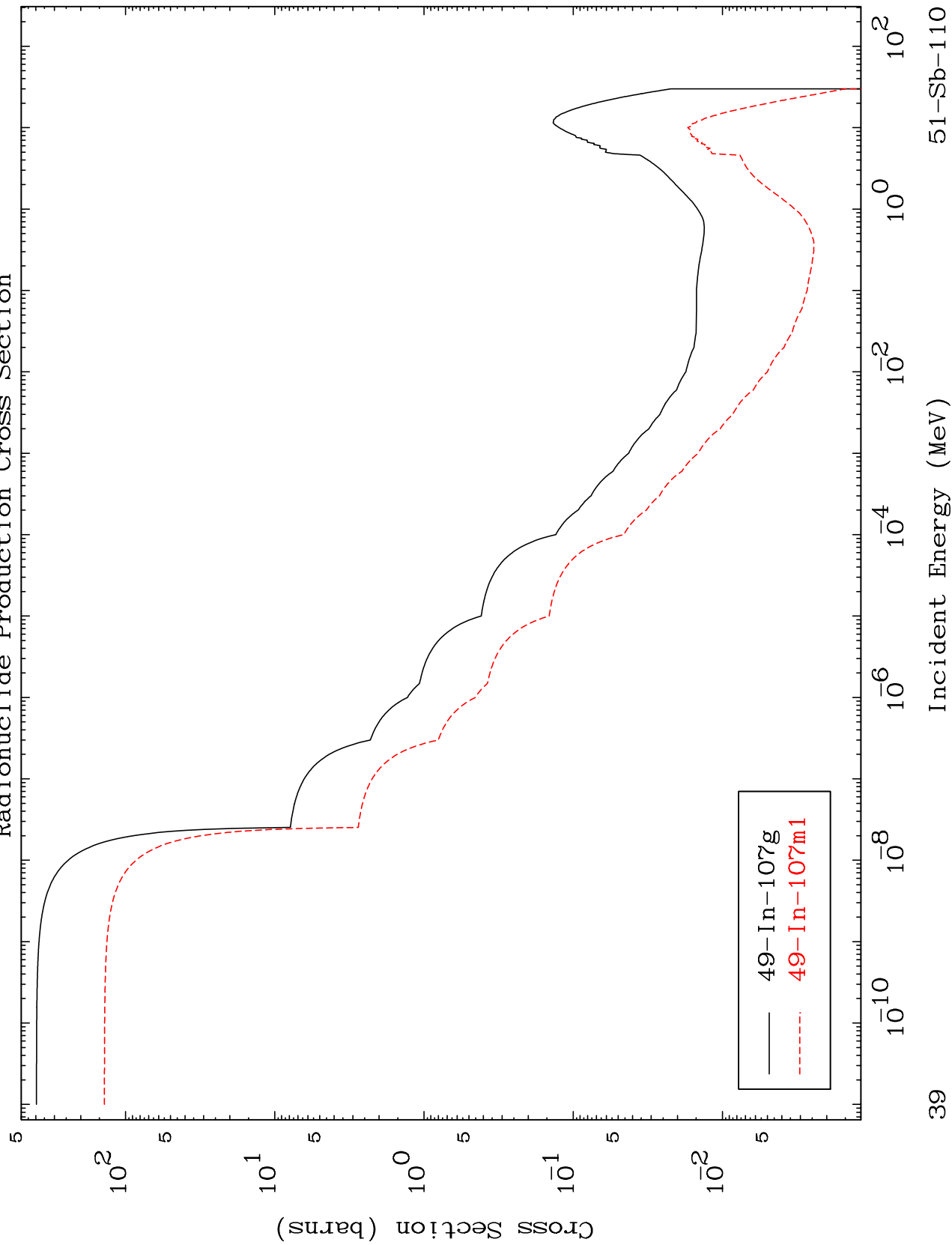
51-Sb-110



MAT 5092

51-Sb-110

$(n, \alpha)$   
Radionuclide Production Cross Section

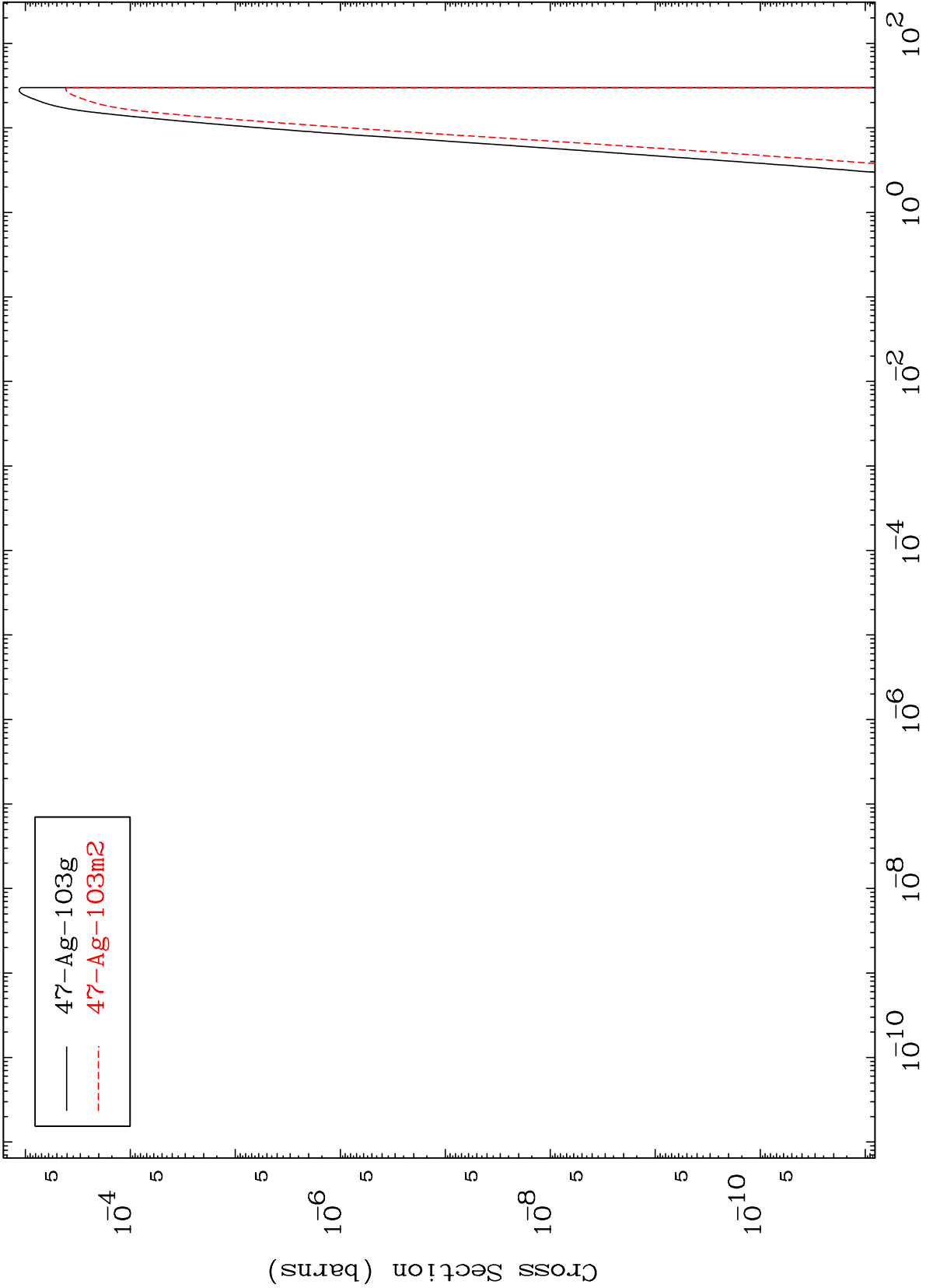


MAT 5092

(n,2α)

51-Sb-110

Radionuclide Production Cross Section



40

Incident Energy (MeV)

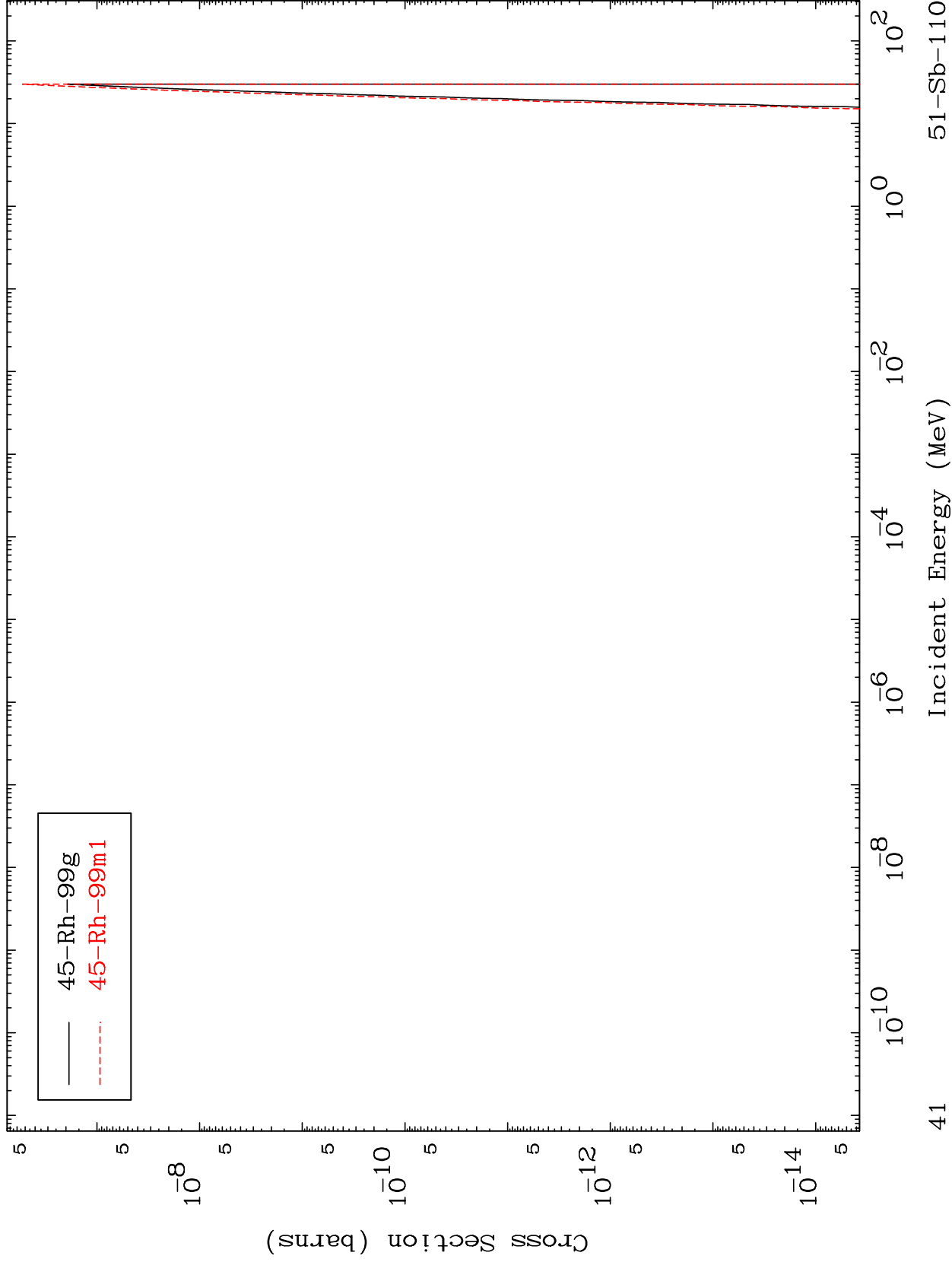
51-Sb-110

MAT 5092

(n,3 $\alpha$ )

51-Sb-110

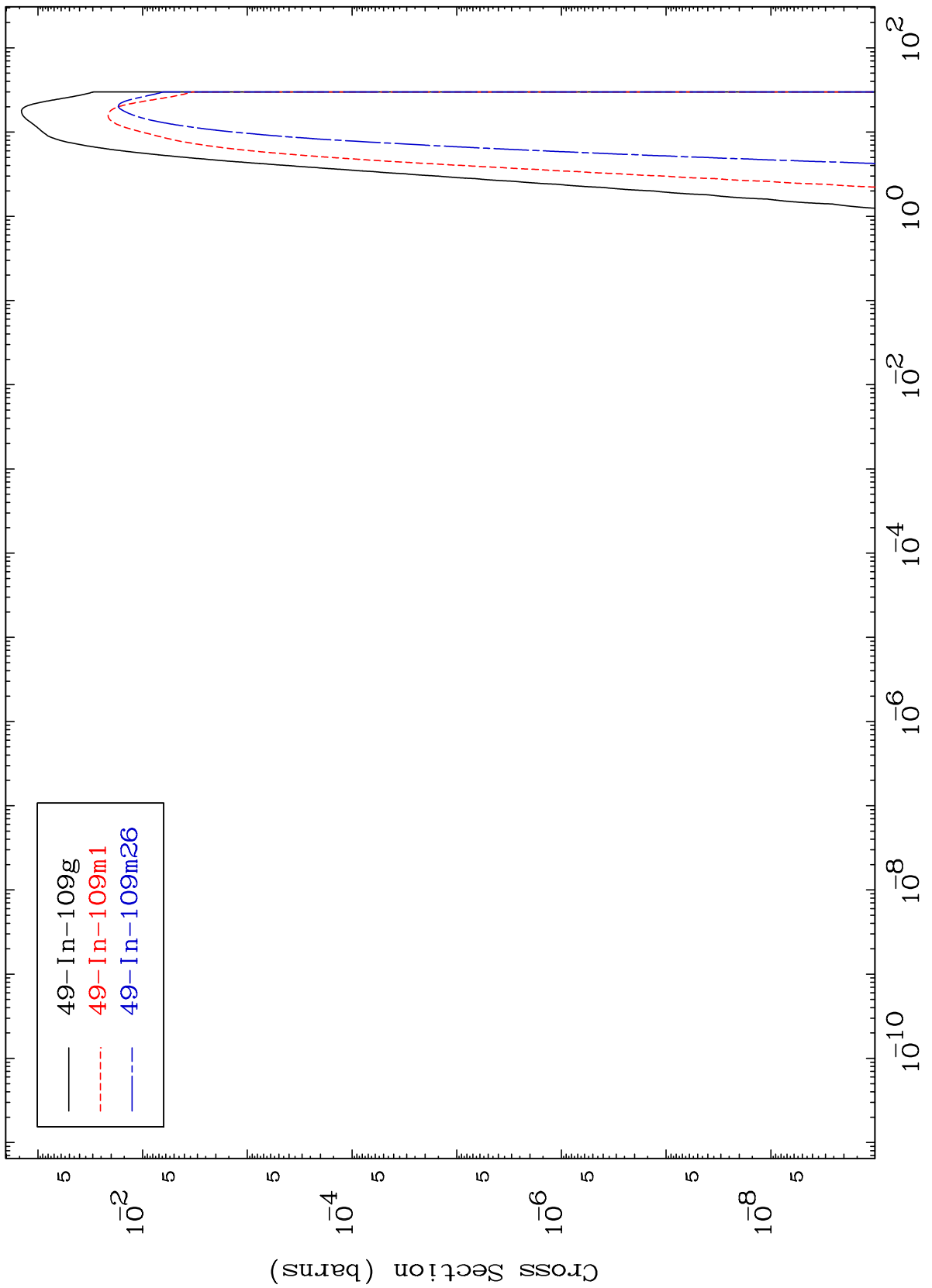
Radionuclide Production Cross Section



MAT 5092

51-Sb-110

Radionuclide Production Cross Section



49-In-109g  
49-In-109m1  
49-In-109m26

51-Sb-110

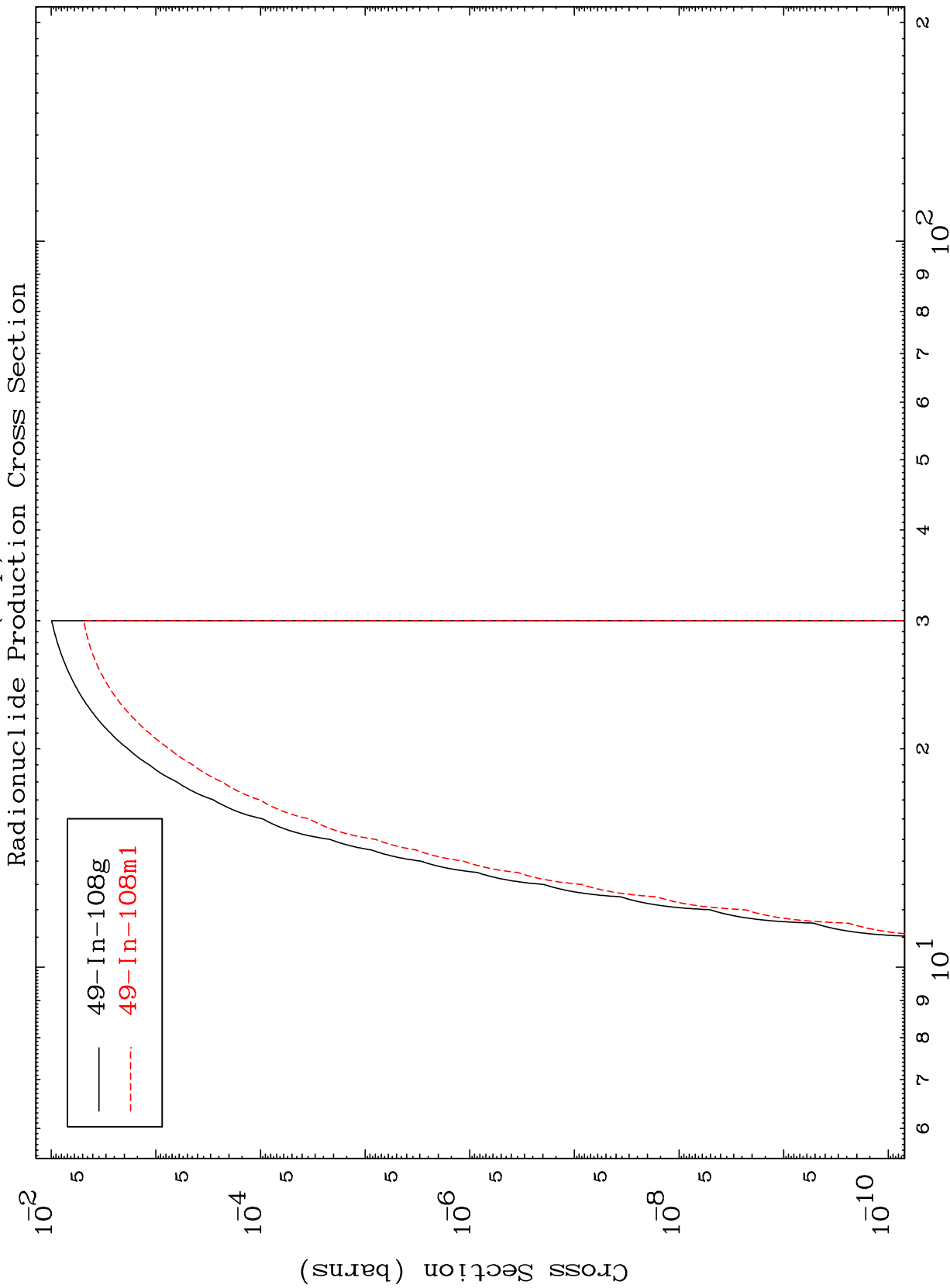
Incident Energy (MeV)

42

MAT 5092

(n,p) d

51-Sb-110



43

Incident Energy (MeV)

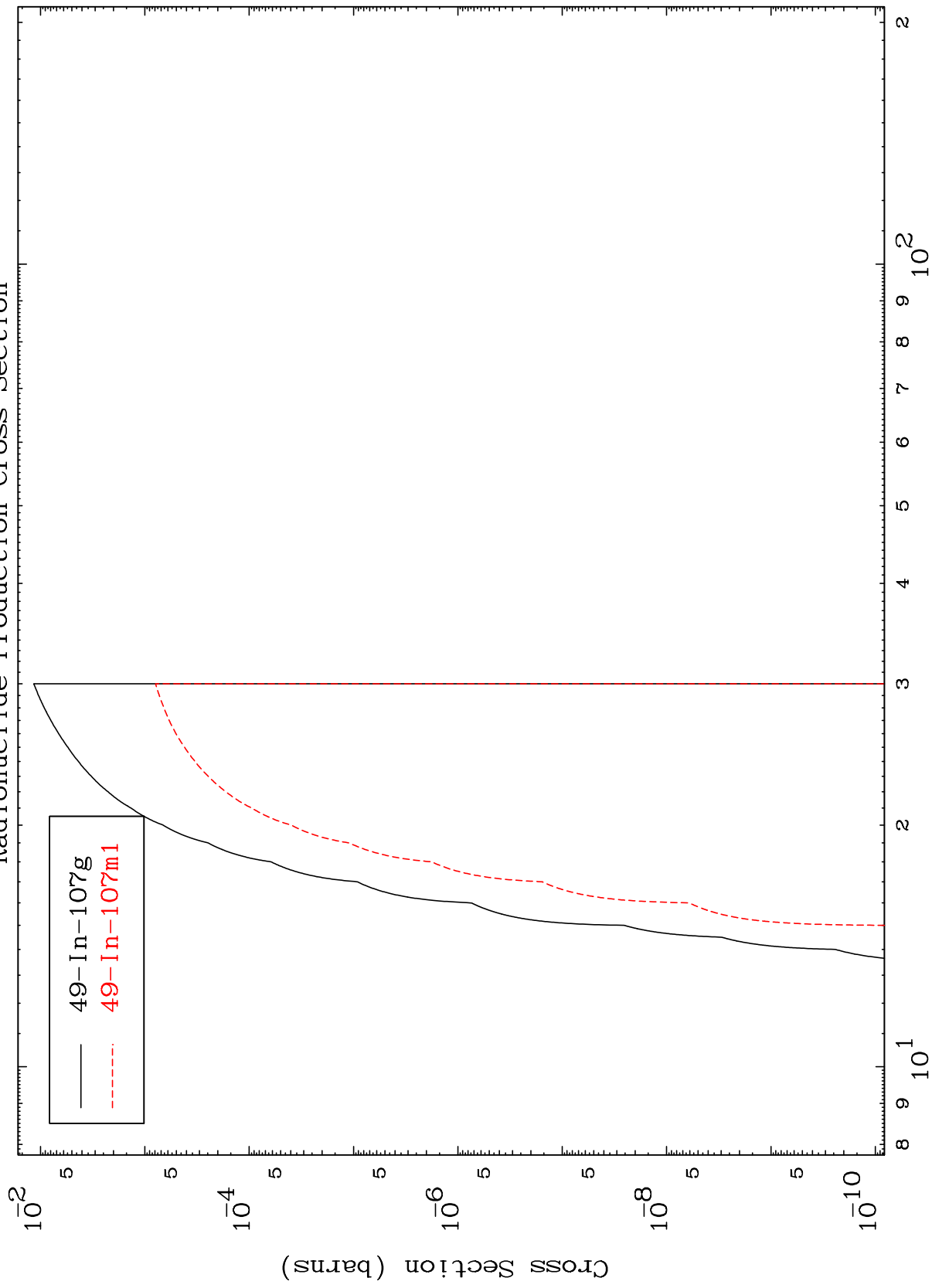
51-Sb-110

MAT 5092

(n,p) t

51-Sb-110

Radionuclide Production Cross Section



Incident Energy (MeV)

51-Sb-110

44