

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

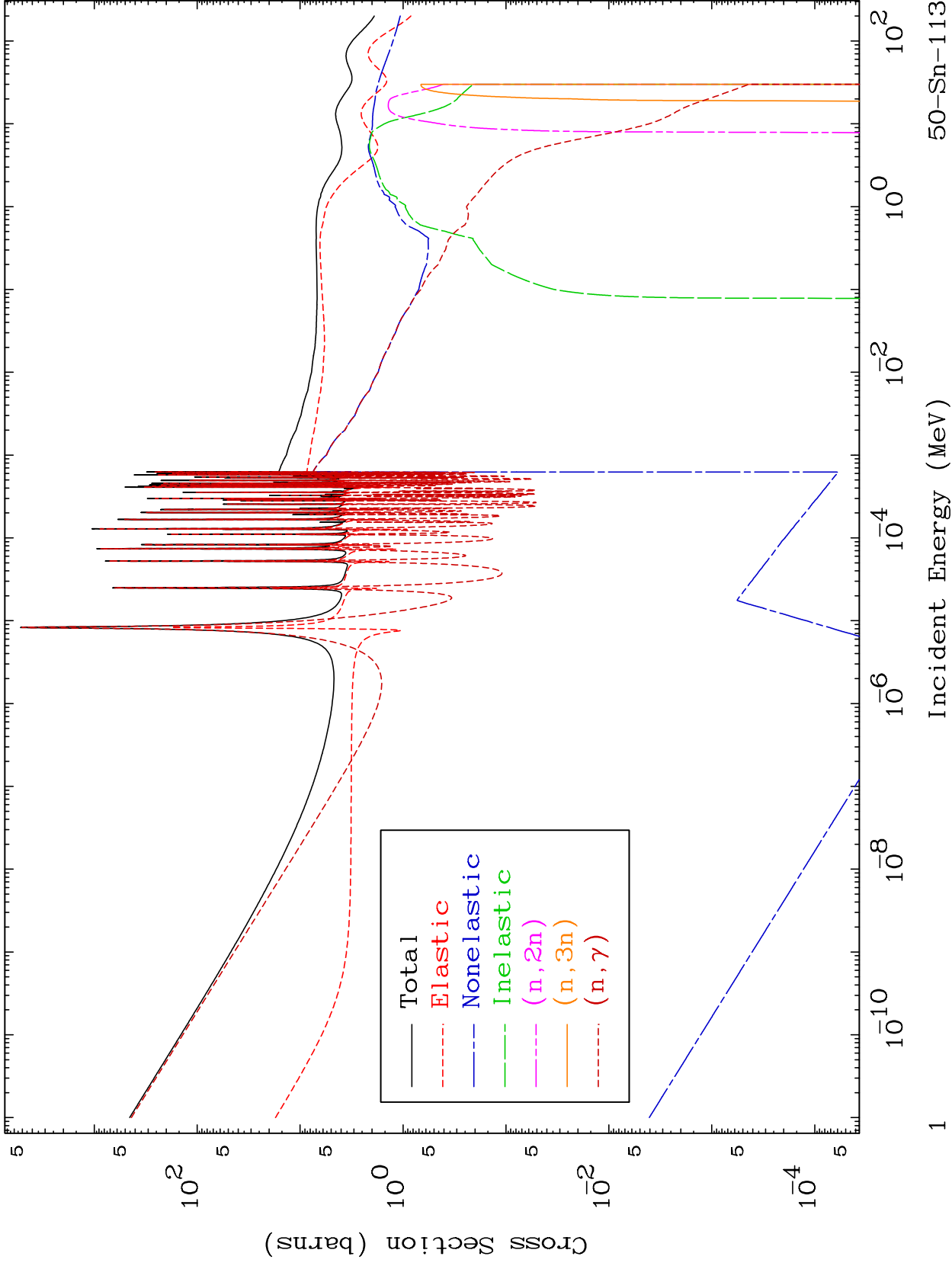
Web:redcullen1.net/HOMEPAGE.NEW

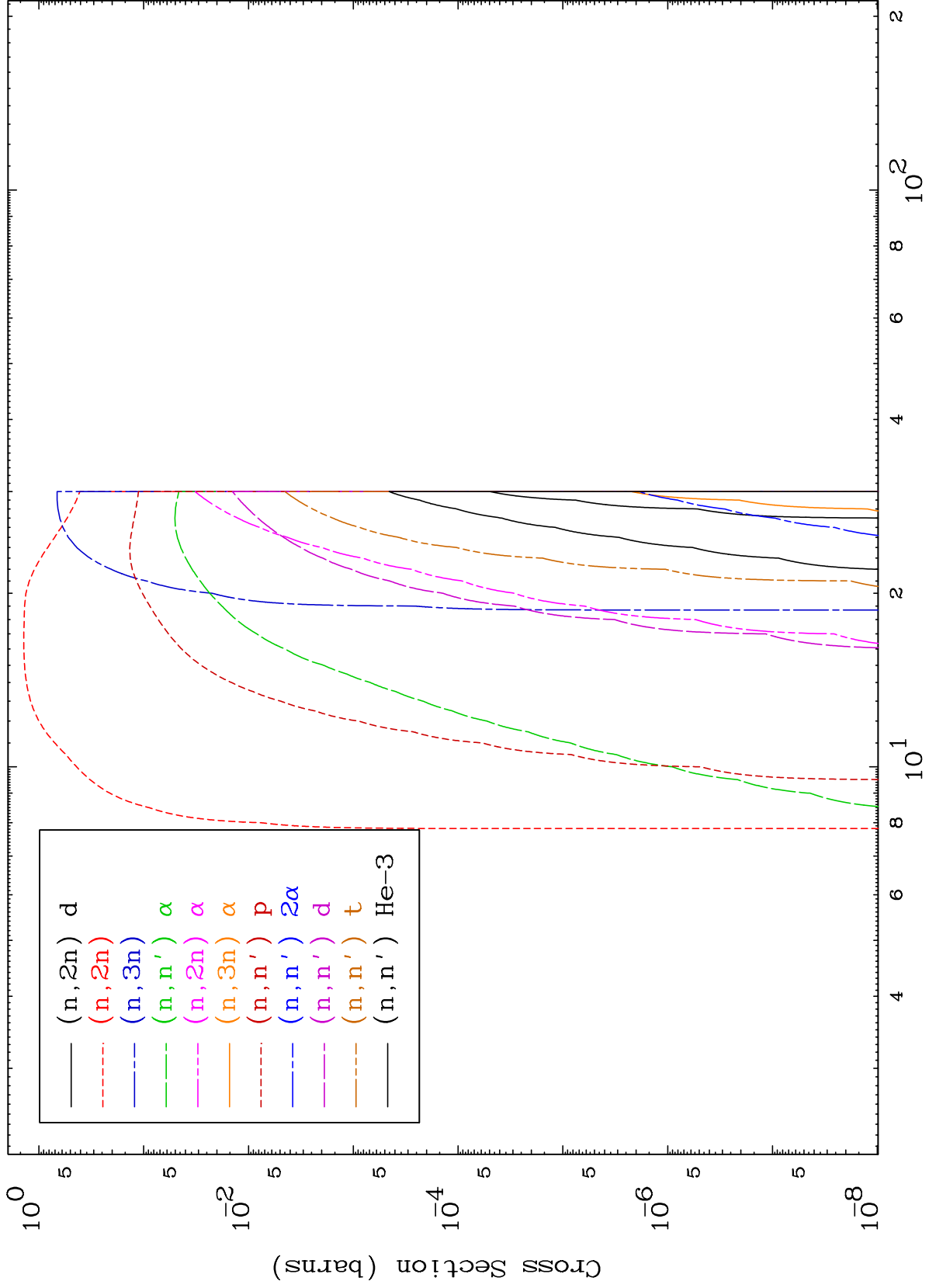
Press Mouse Button to Start

MAT 5028

Neutron Major  
293 Kelvin Cross Sections

50-Sn-113

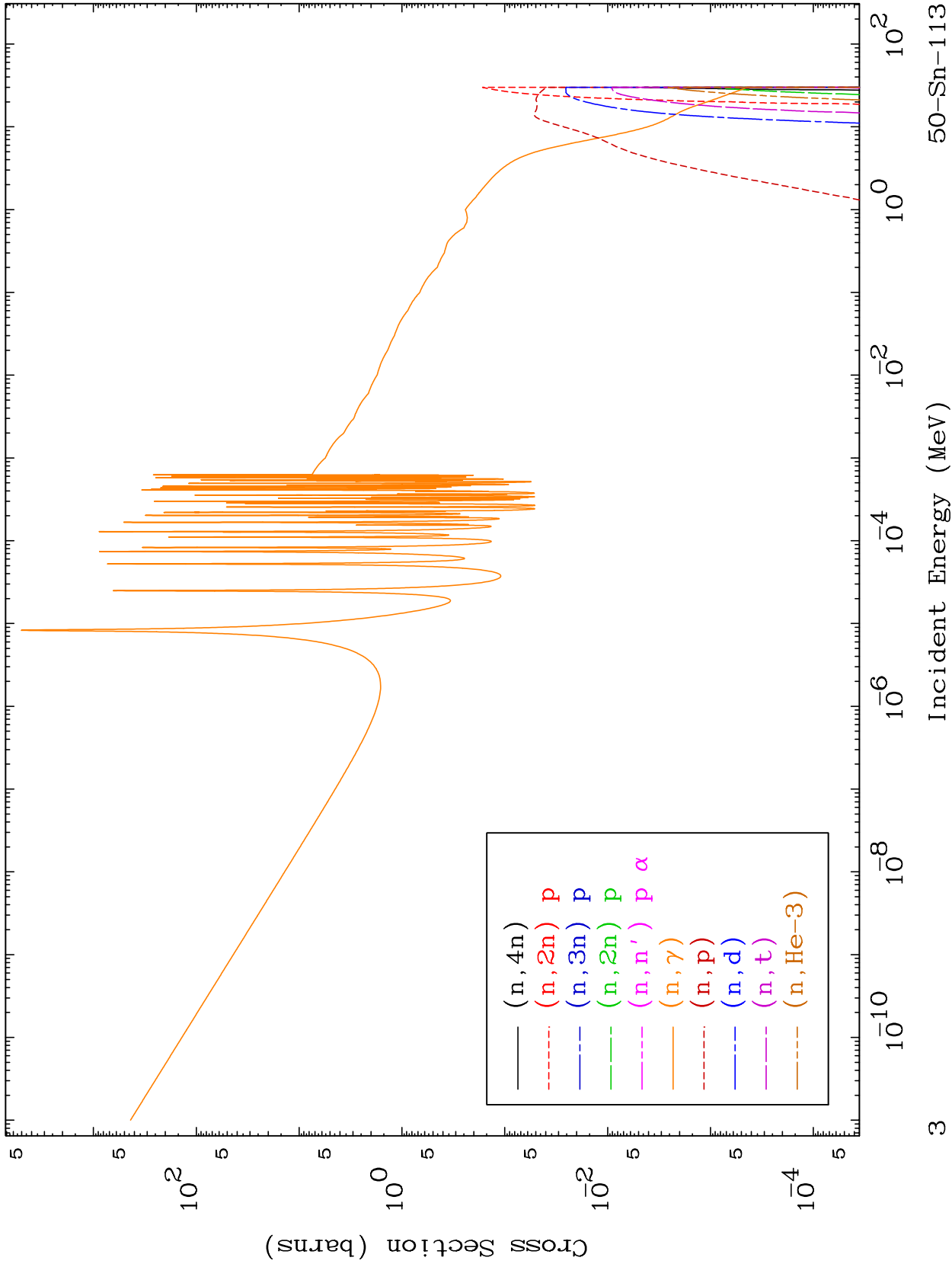




MAT 5028

Neutron Absorption  
293 Kelvin Cross Sections

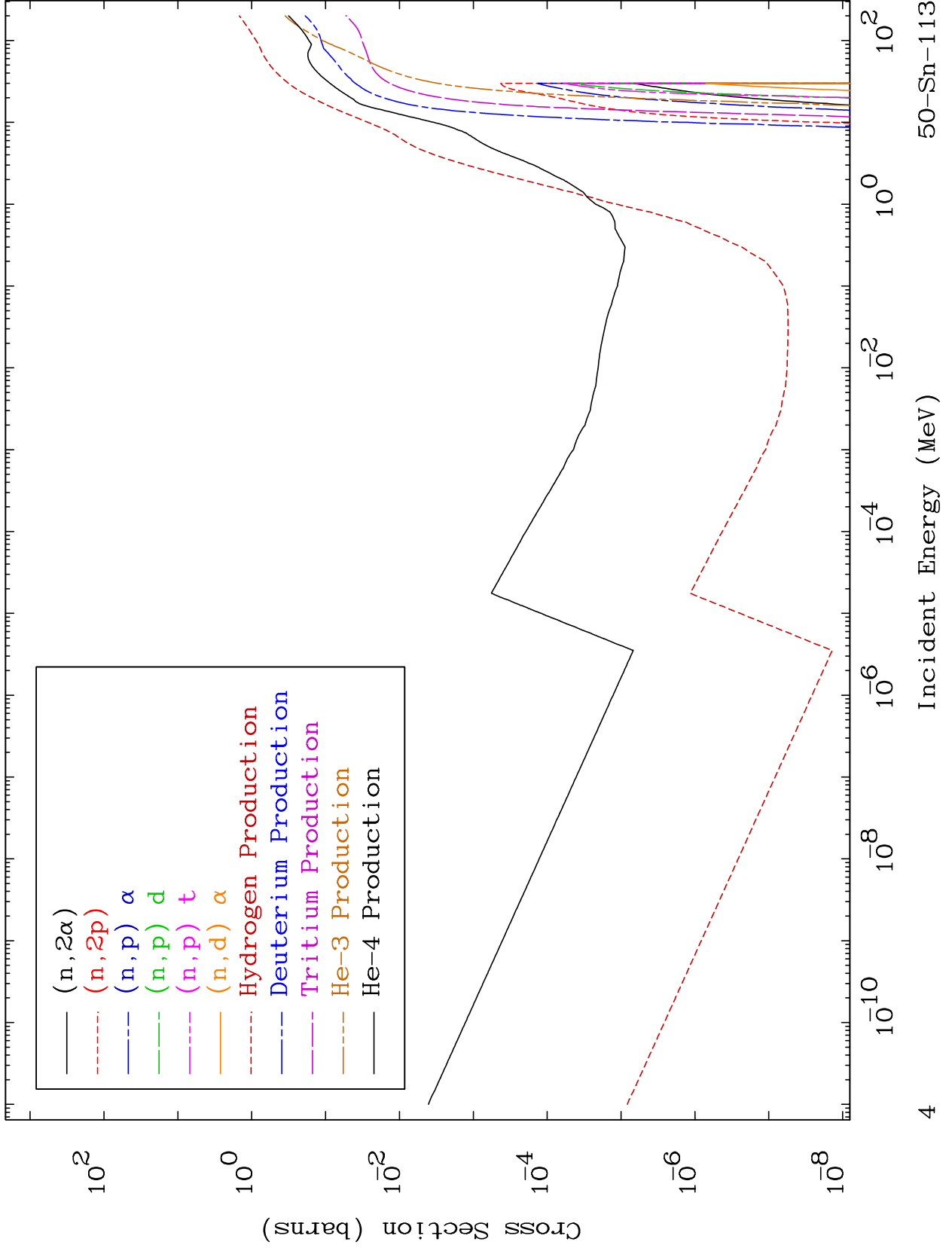
50-Sn-113



MAT 5028

Neutron Absorption  
293 Kelvin Cross Sections

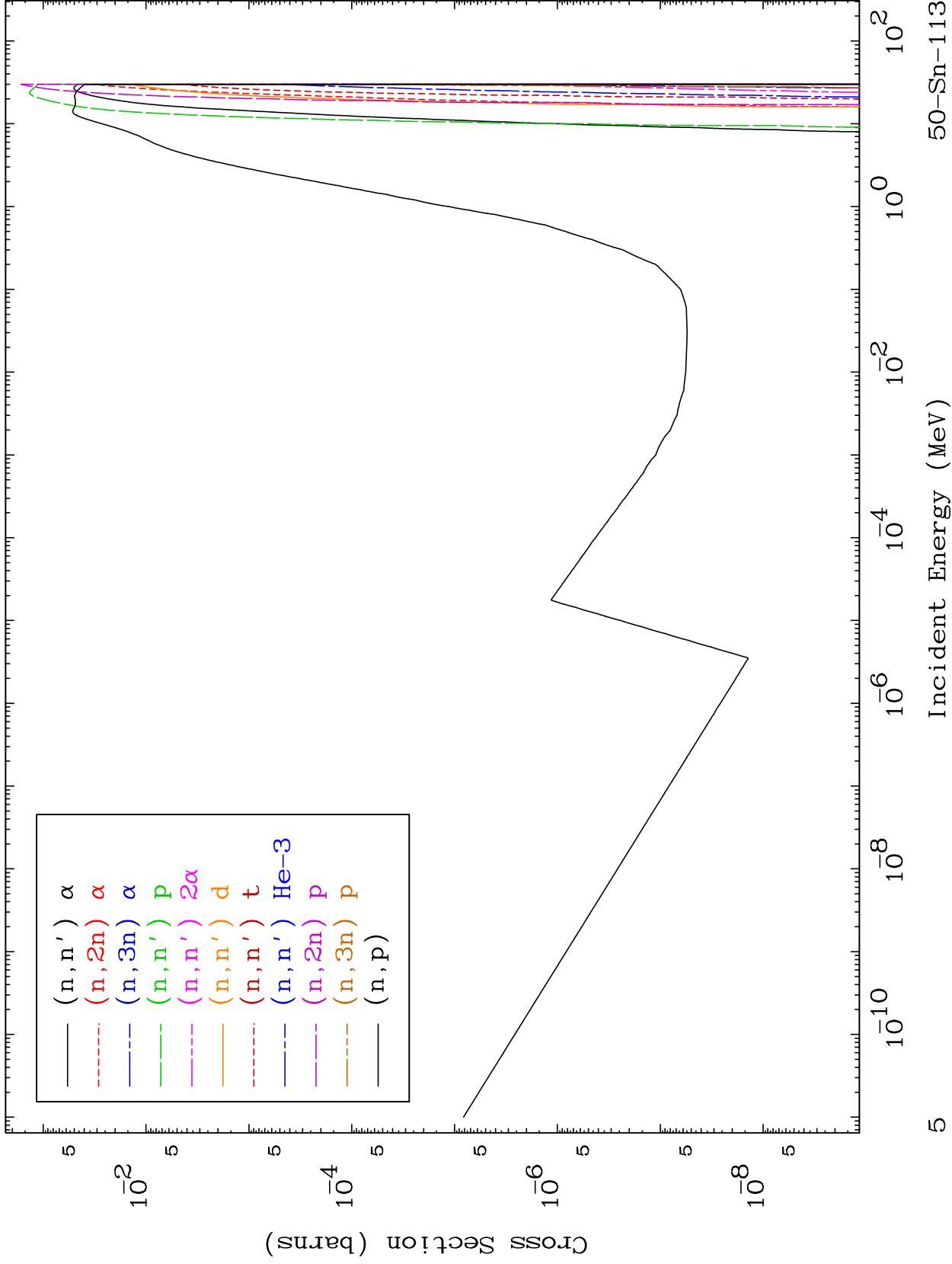
50-Sn-113



MAT 5028

Charged Particle  
293 Kelvin Cross Sections

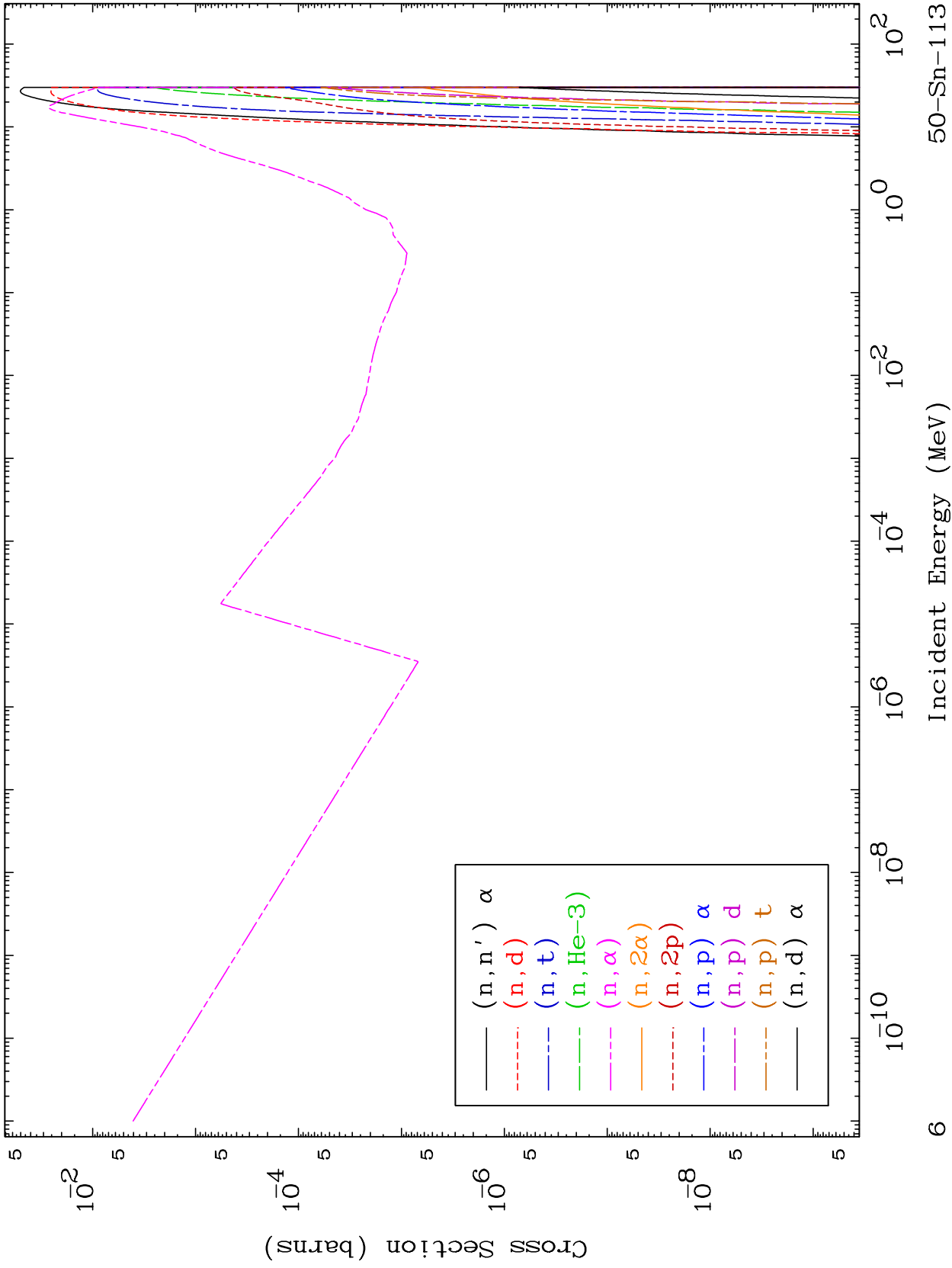
50-Sn-113



MAT 5028

Charged Particle  
293 Kelvin Cross Sections

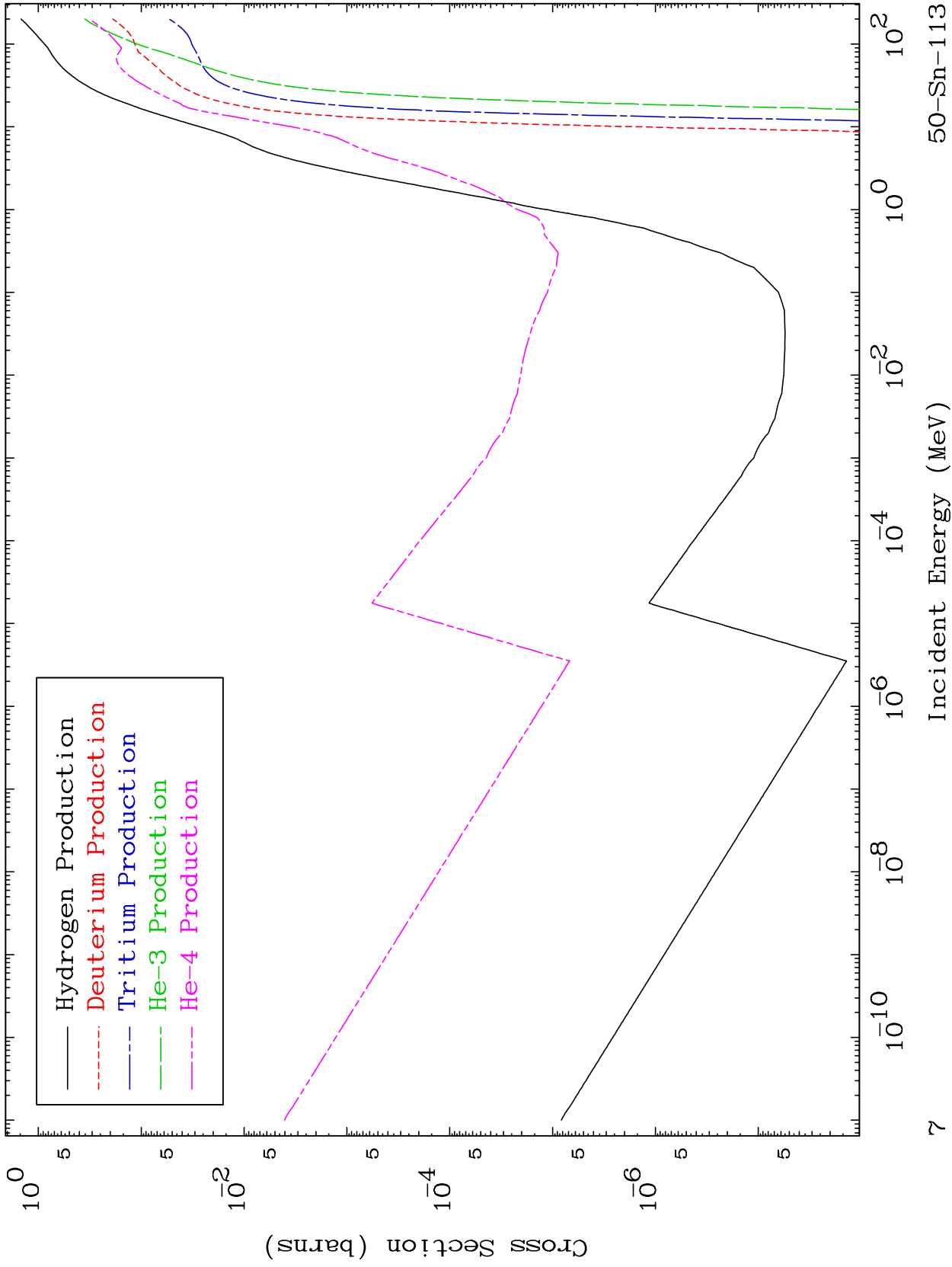
50-Sn-113



MAT 5028

Particle Production  
293 Kelvin Cross Sections

50-Sn-113

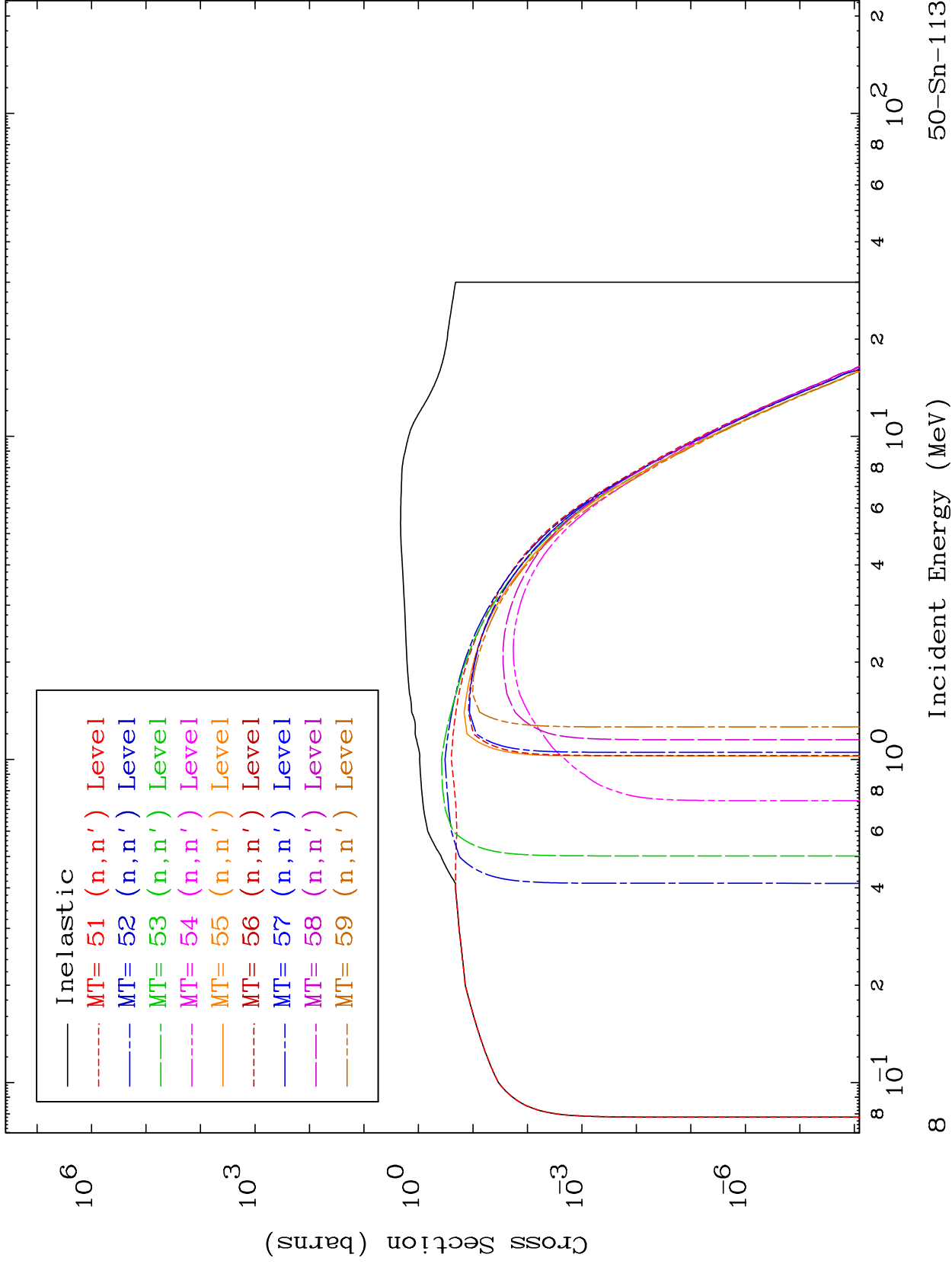




MAT 5028

(n,n') Levels  
293 Kelvin Cross Sections

50-Sn-113



50-Sn-113

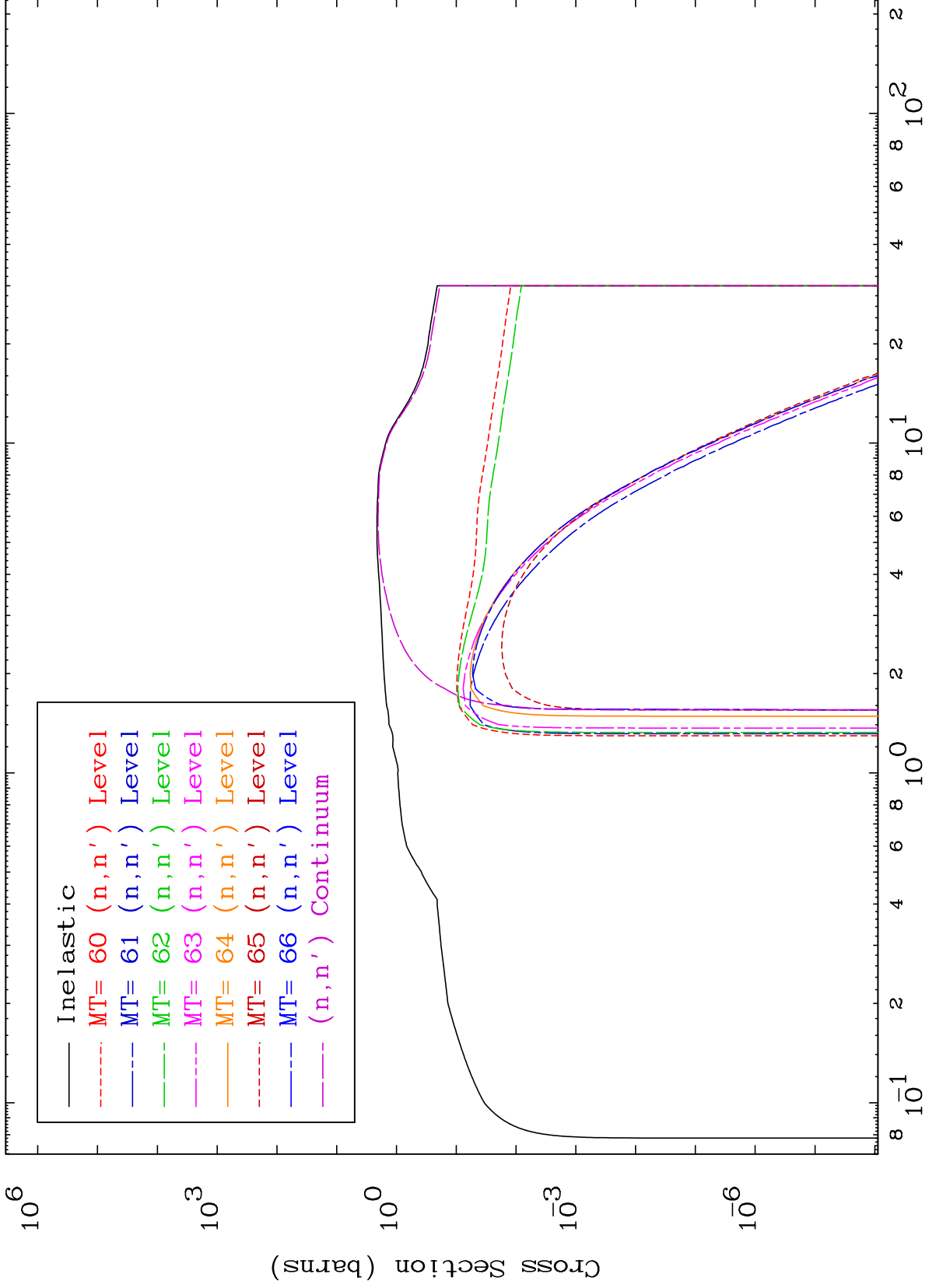
Incident Energy (MeV)

8

MAT 5028

(n,n') Levels  
293 Kelvin Cross Sections

50-Sn-113



9

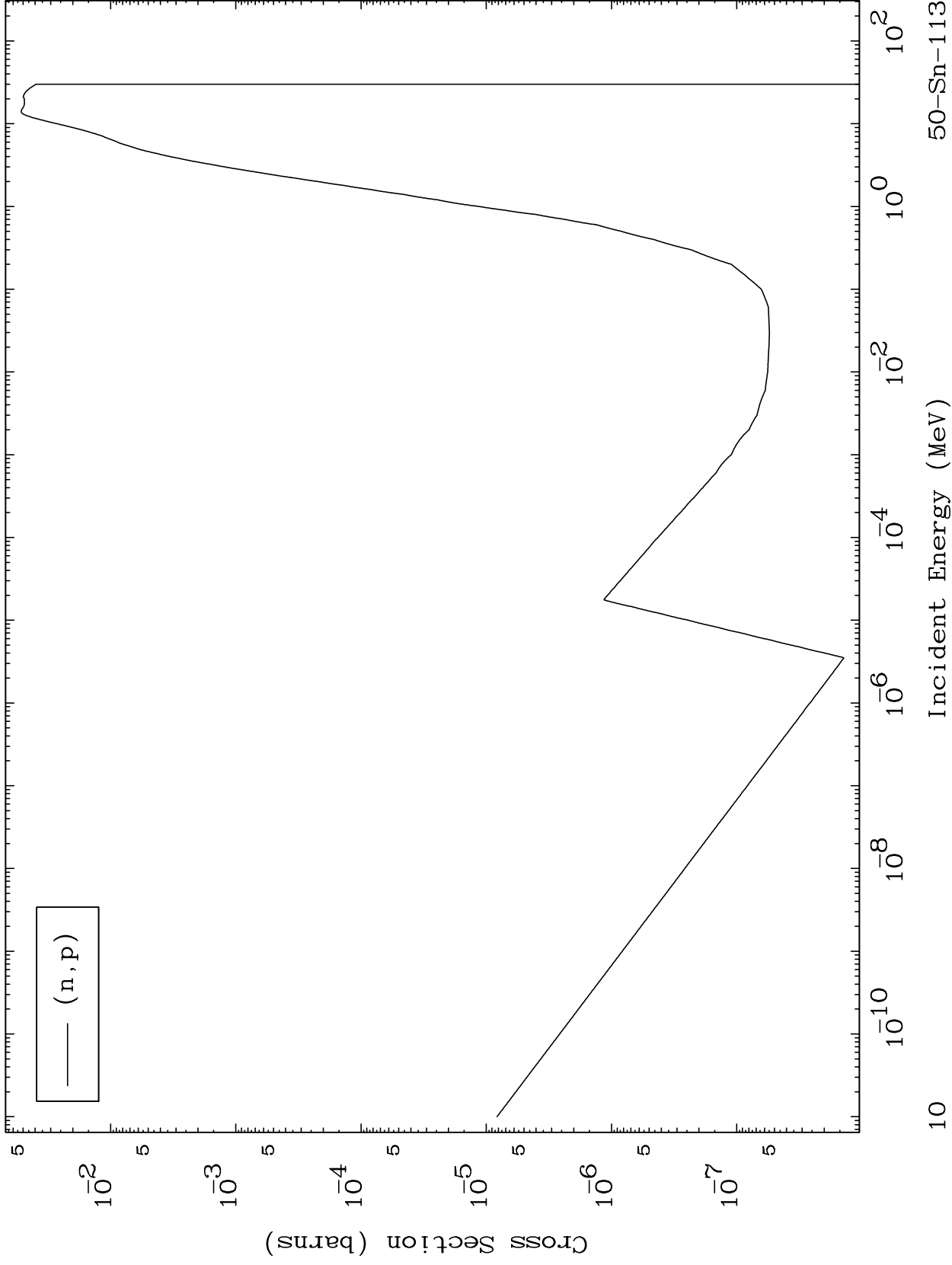
Incident Energy (MeV)

50-Sn-113

MAT 5028

(n,p) Levels  
293 Kelvin Cross Sections

50-Sn-113



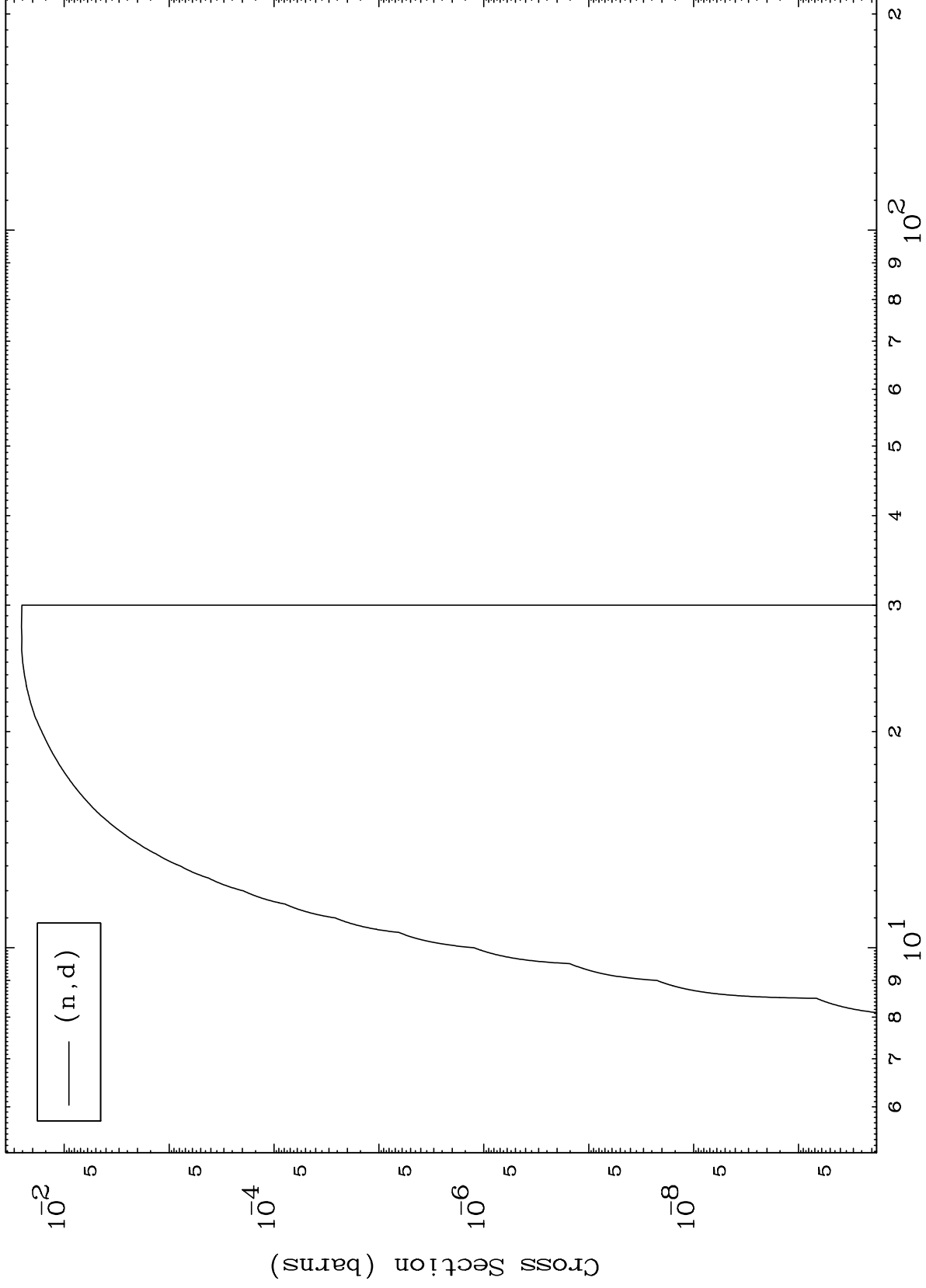
10

50-Sn-113

MAT 5028

(n,d) Levels  
293 Kelvin Cross Sections

50-Sn-113



11

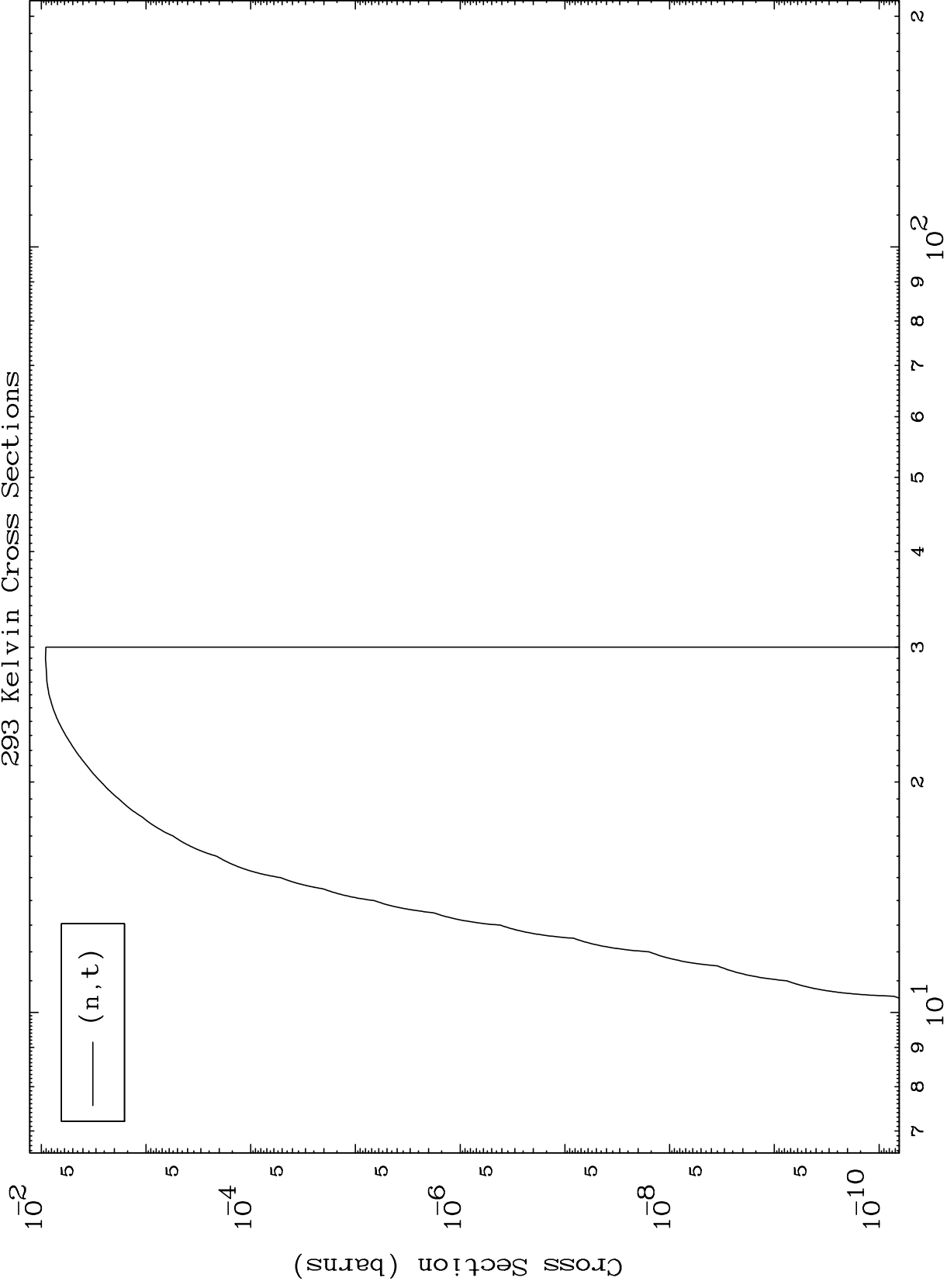
Incident Energy (MeV)

50-Sn-113

MAT 5028

(n,t) Levels  
293 Kelvin Cross Sections

50-Sn-113



12

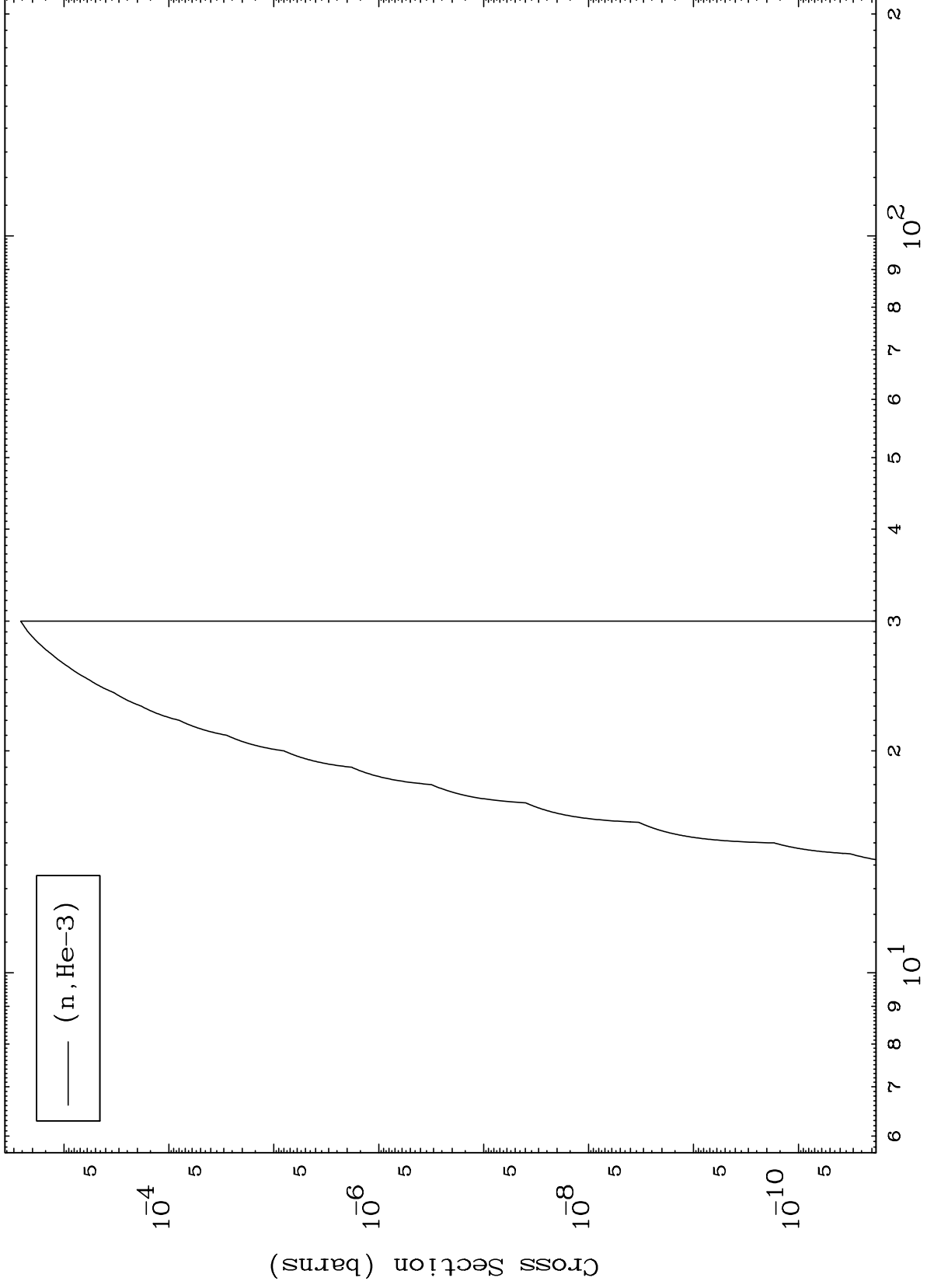
Incident Energy (MeV)

50-Sn-113

MAT 5028

(n,He3) Levels  
293 Kelvin Cross Sections

50-Sn-113



13

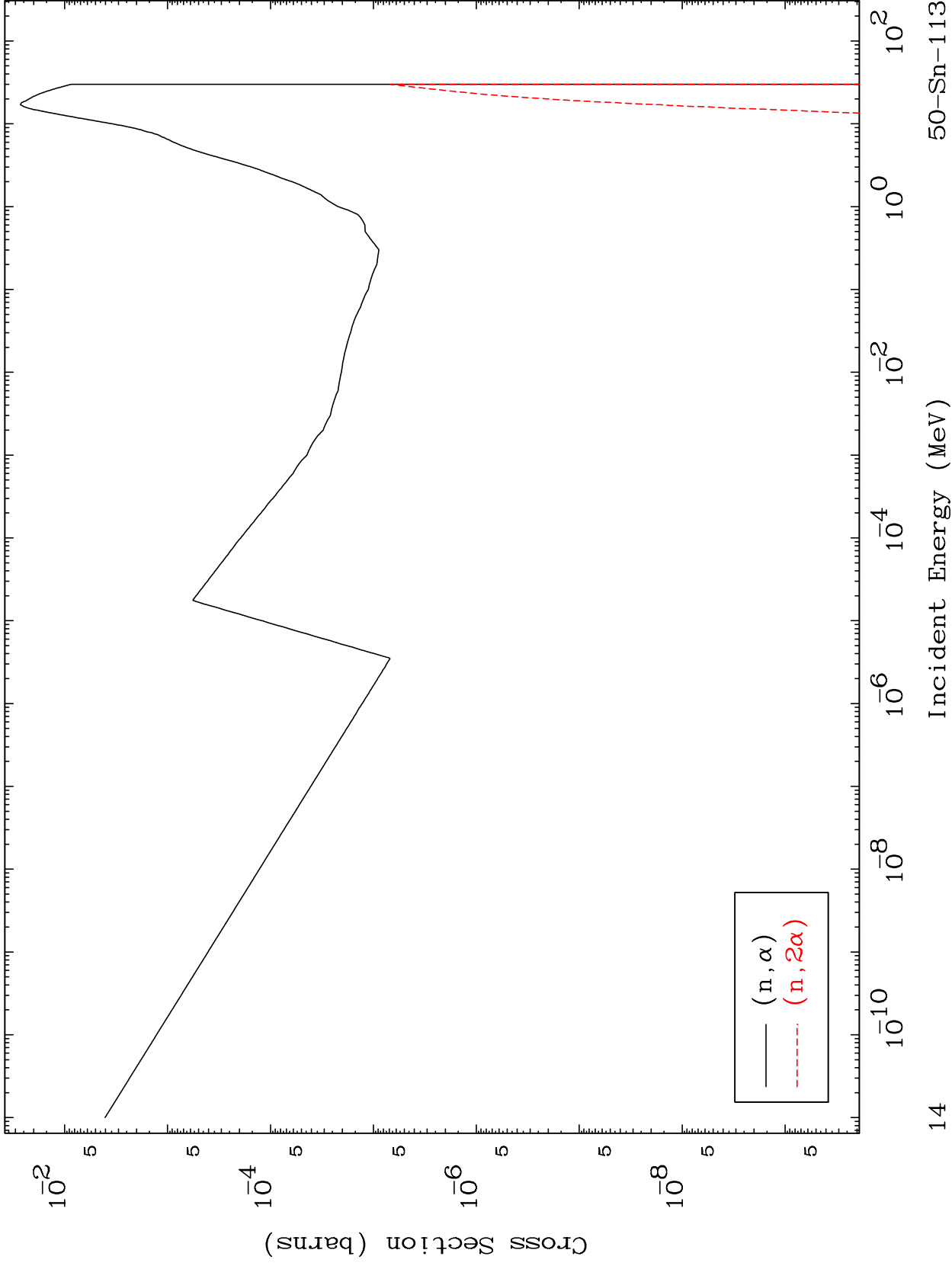
Incident Energy (MeV)

50-Sn-113

MAT 5028

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

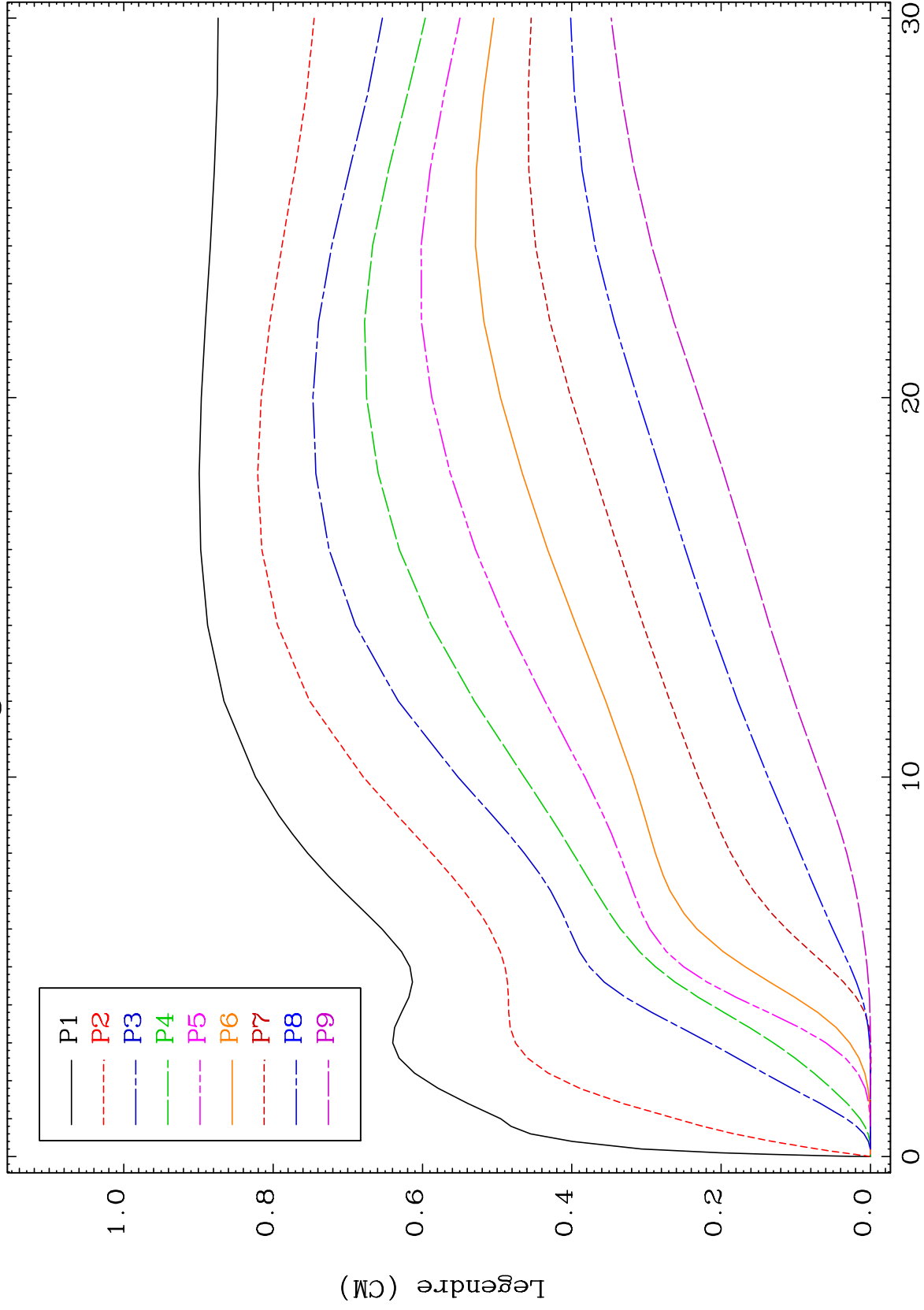
50-Sn-113



MAT 5028

Elastic Legendre Coefficients

50-Sn-113

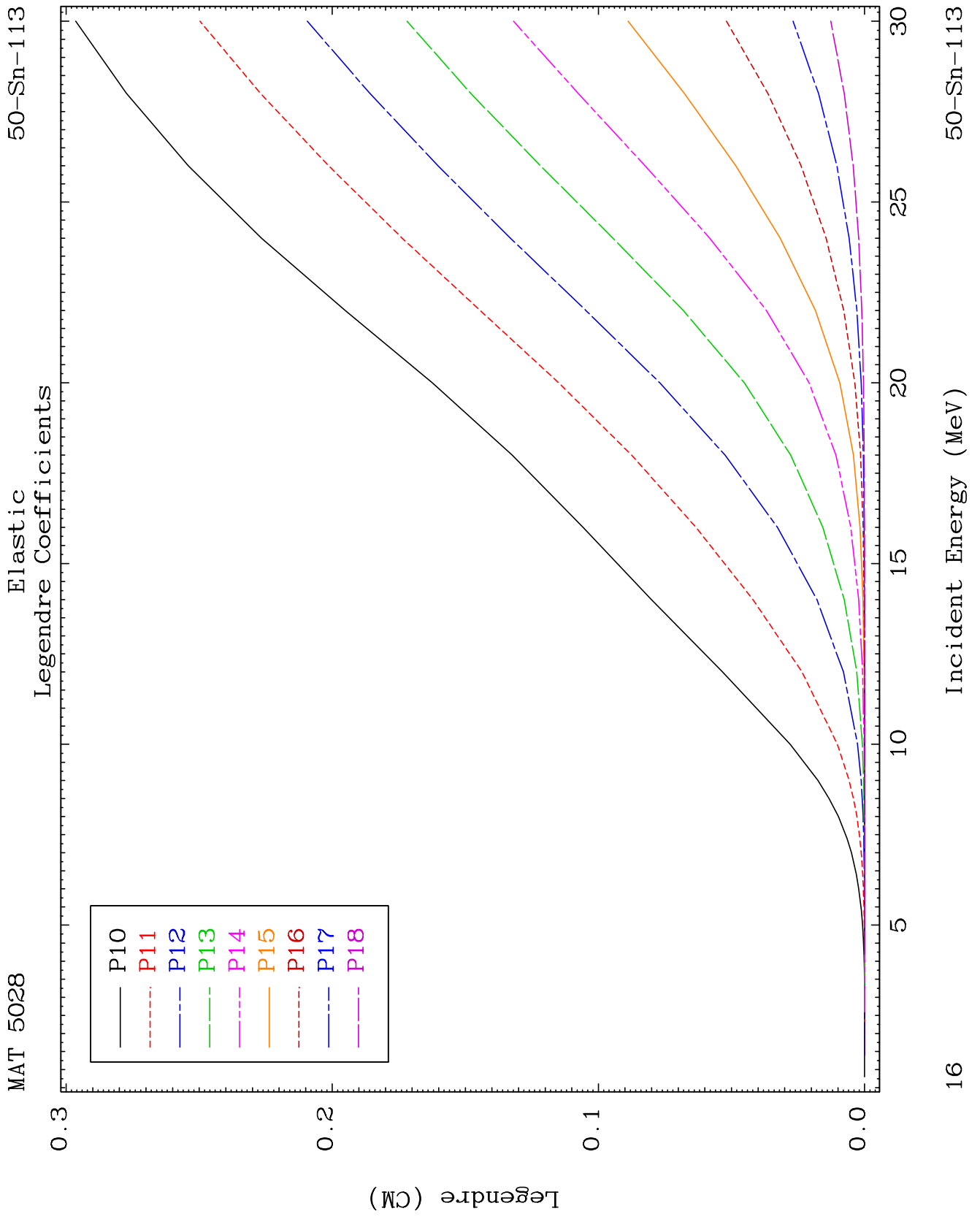


15

Incident Energy (MeV)

50-Sn-113

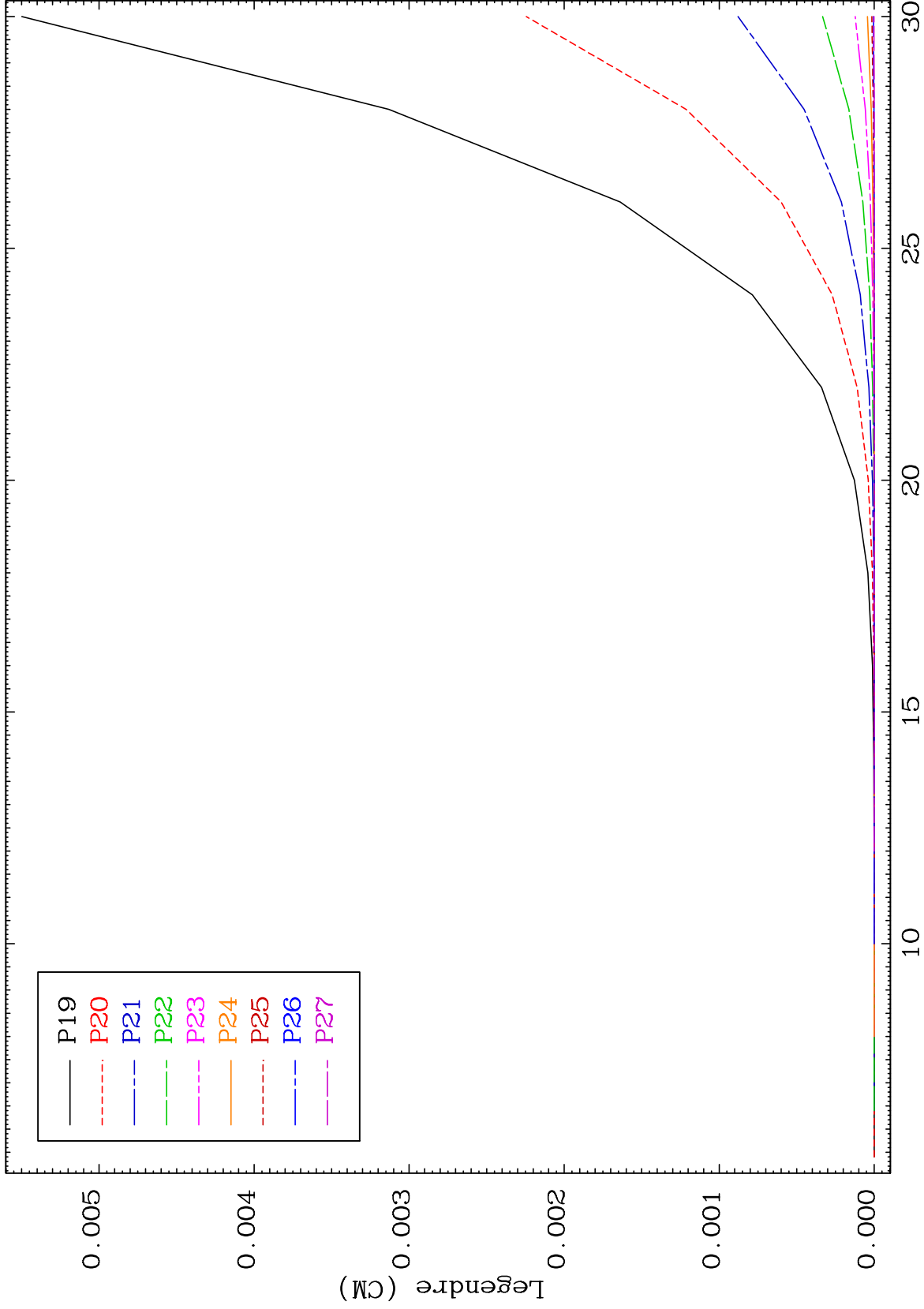




MAT 5028

### Elastic Legendre Coefficients

50-Sn-113



17

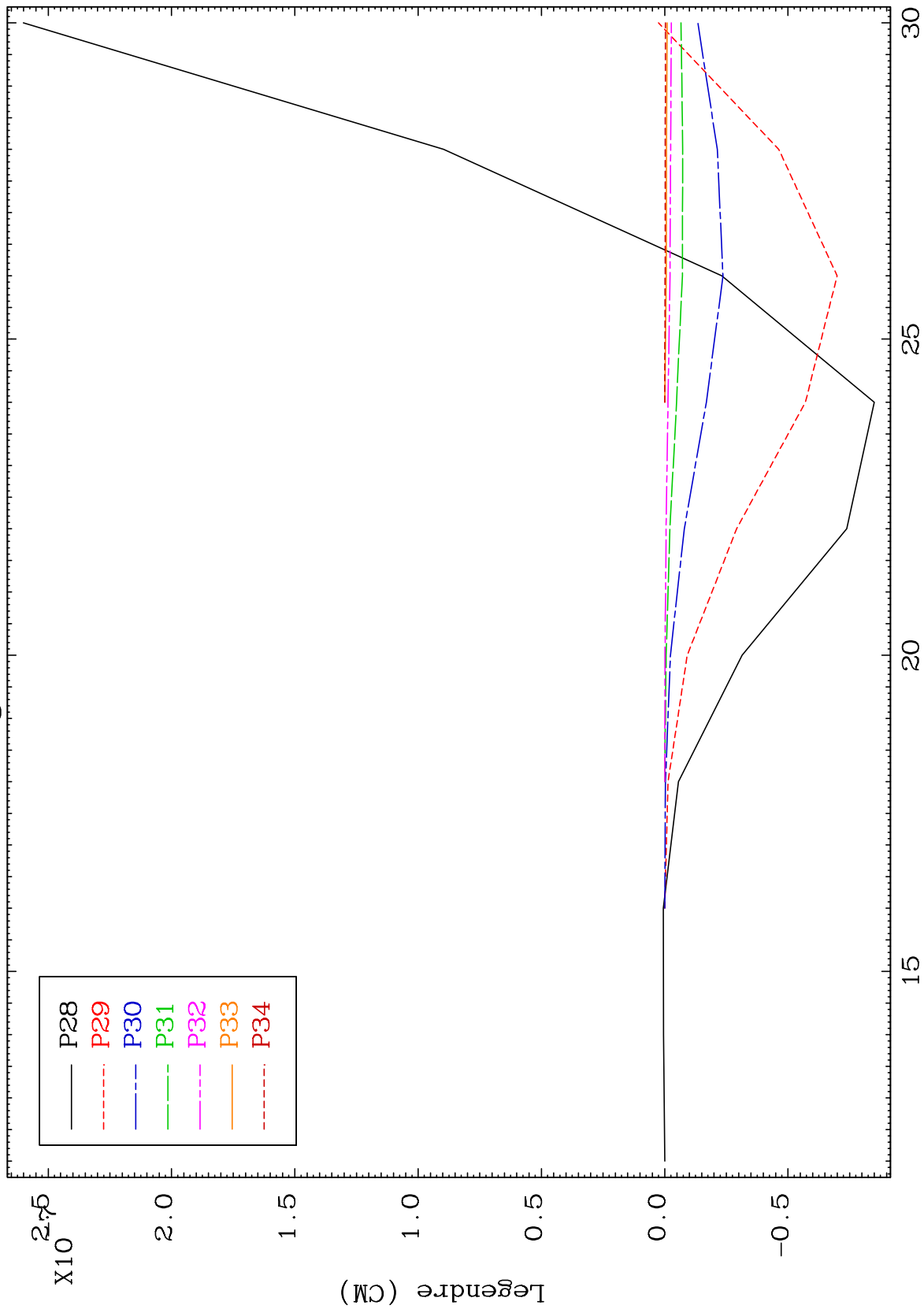
Incident Energy (MeV)

50-Sn-113

MAT 5028

Elastic Legendre Coefficients

50-Sn-113



18

Incident Energy (MeV)

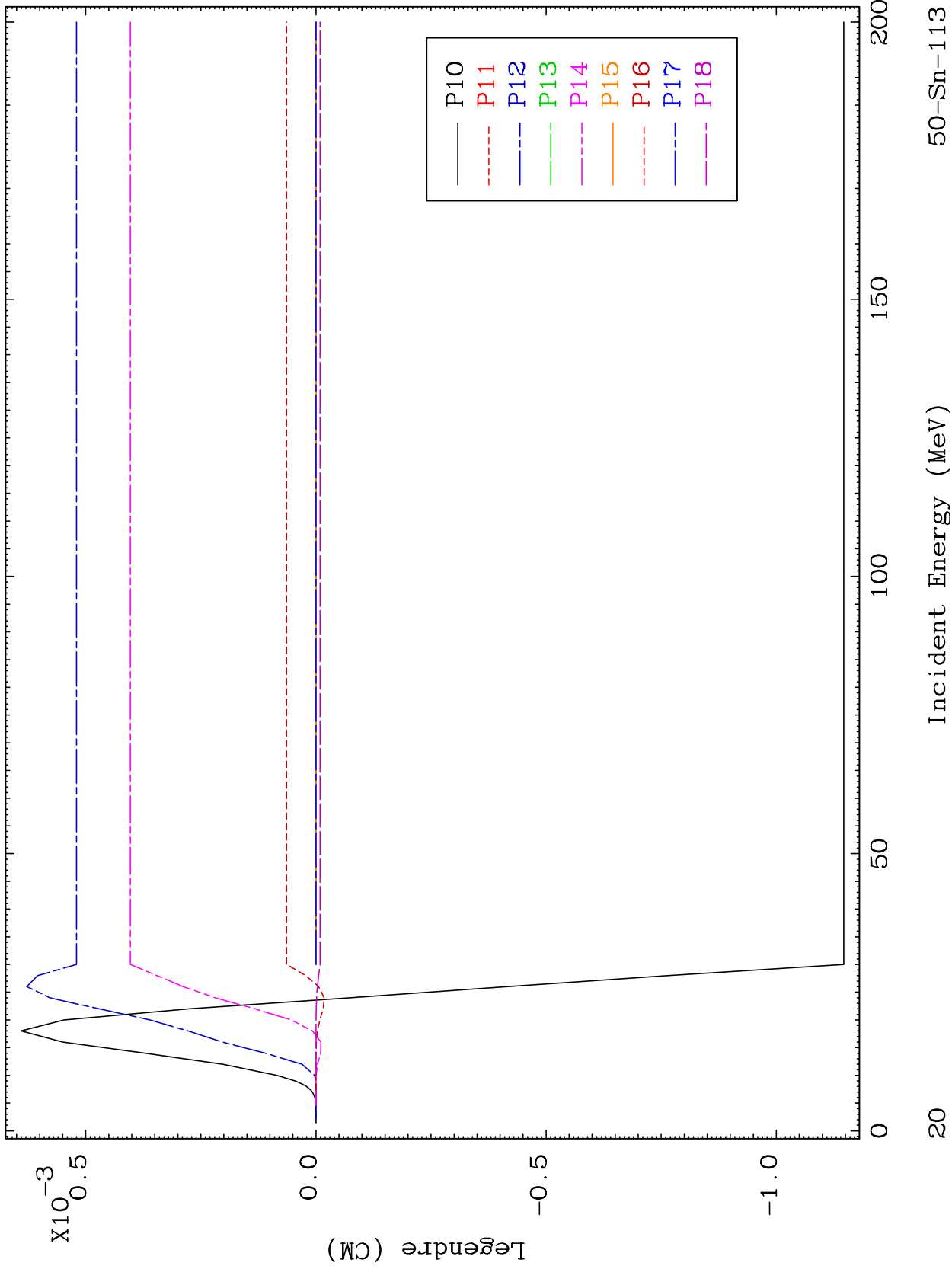
50-Sn-113



MAT 5028

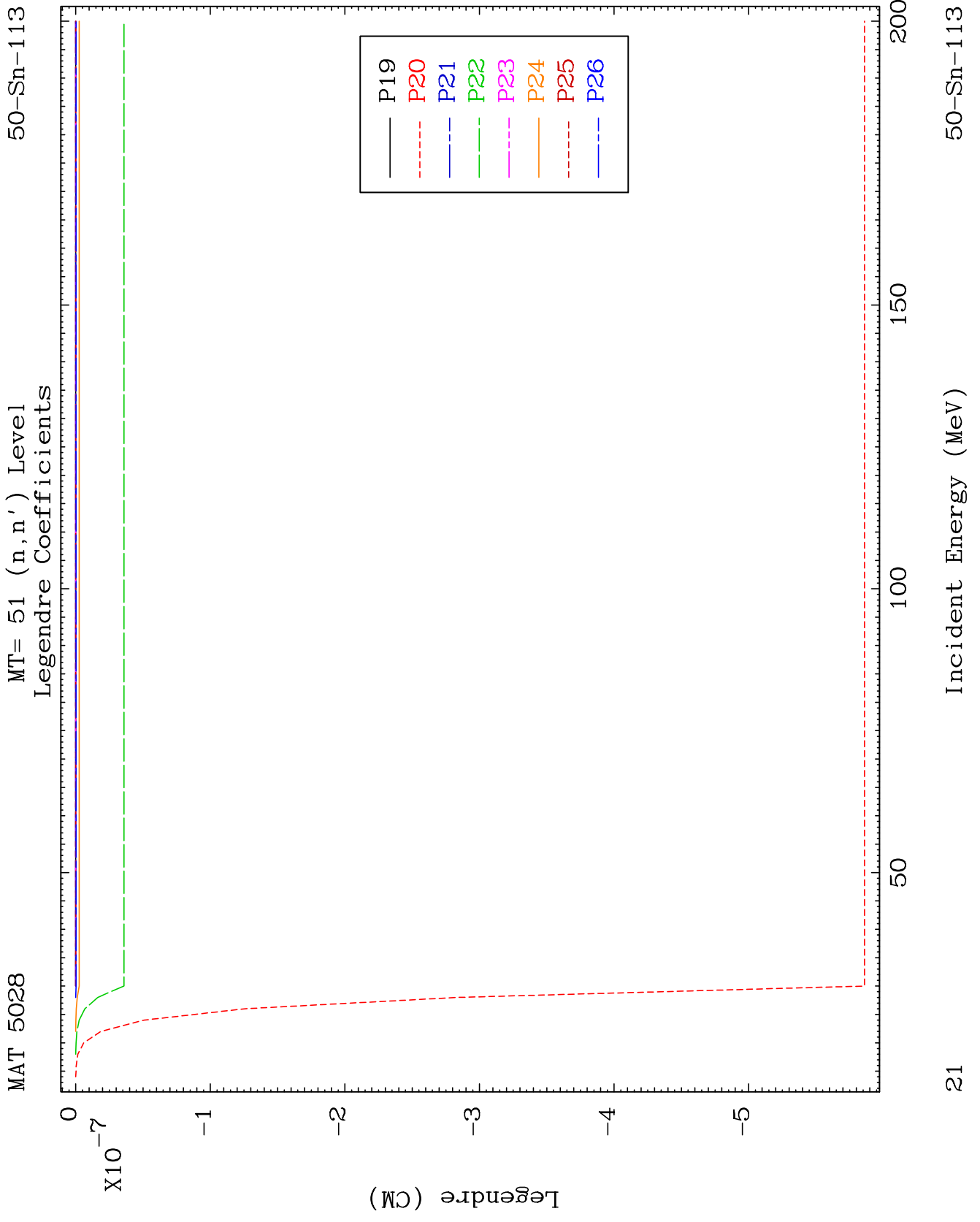
MT= 51 (n,n') Level  
Legendre Coefficients

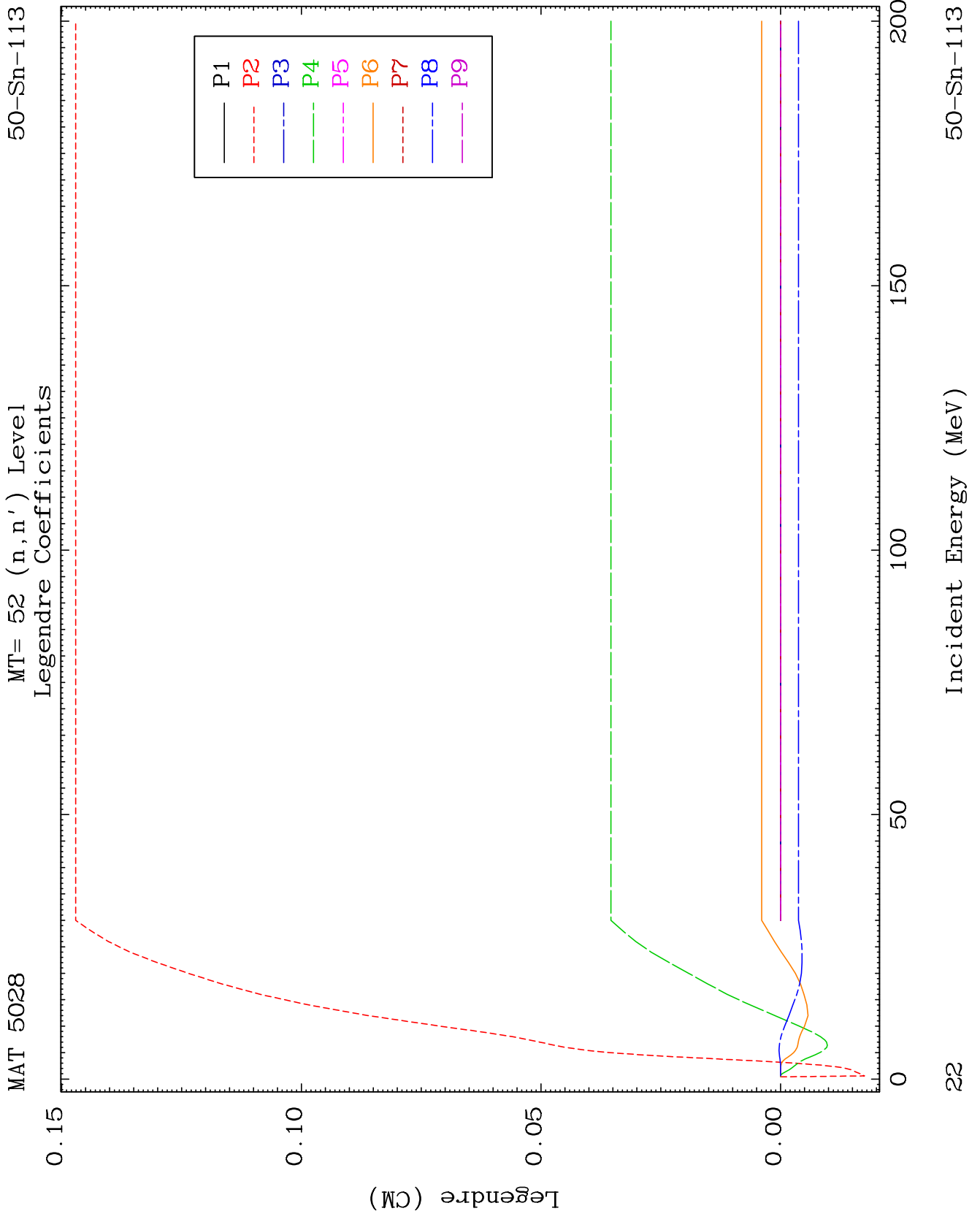
50-Sn-113



50-Sn-113

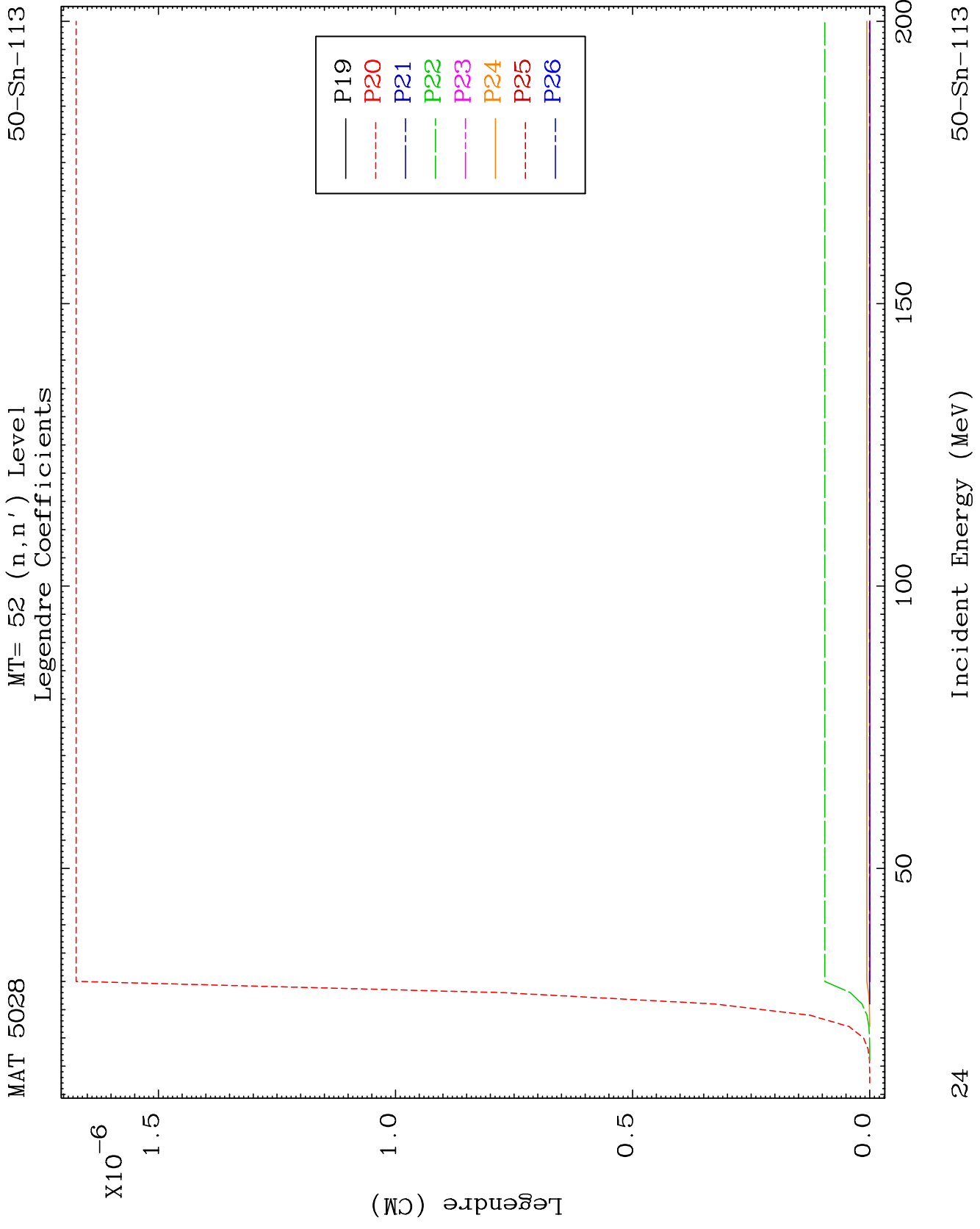
Incident Energy (MeV)

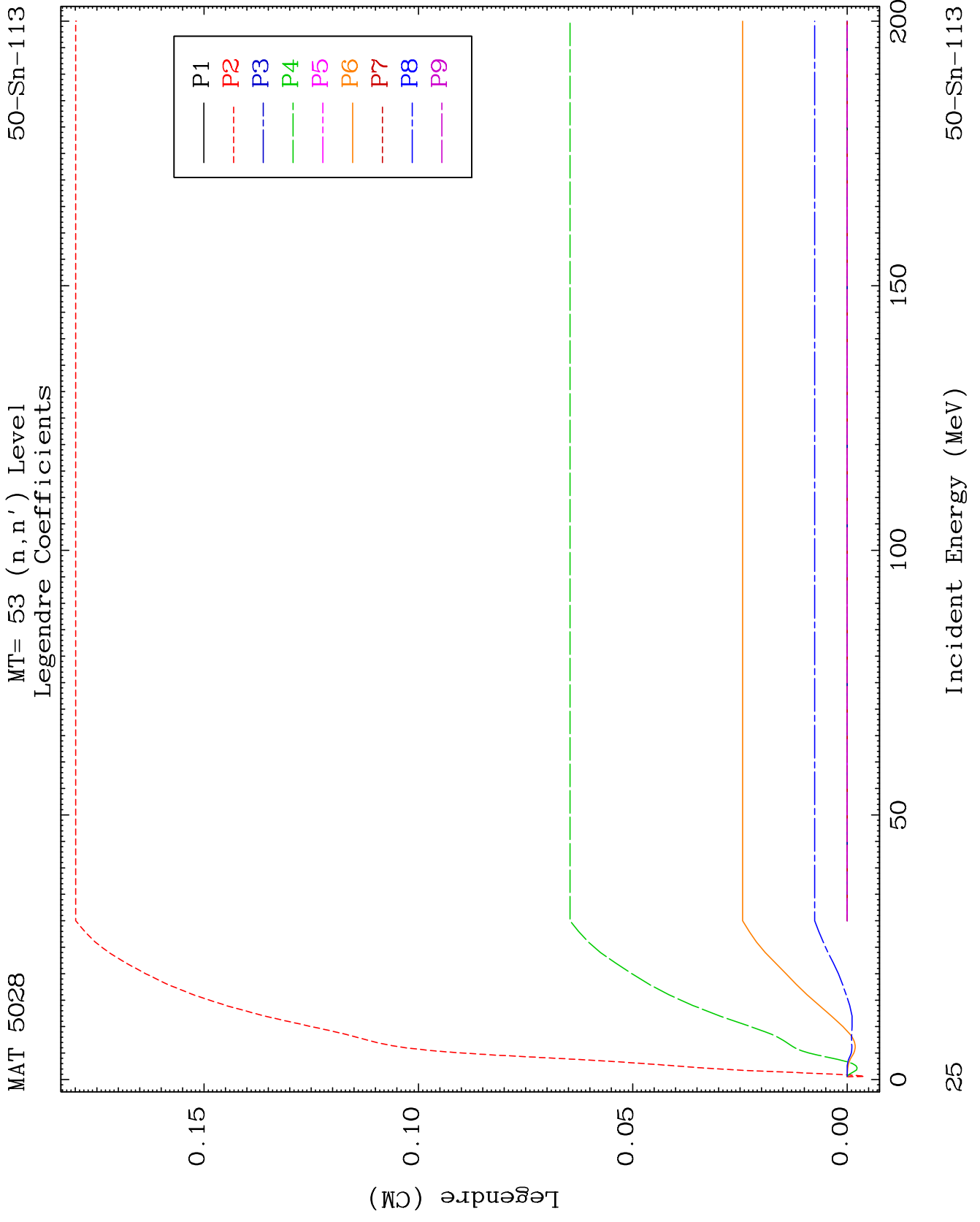


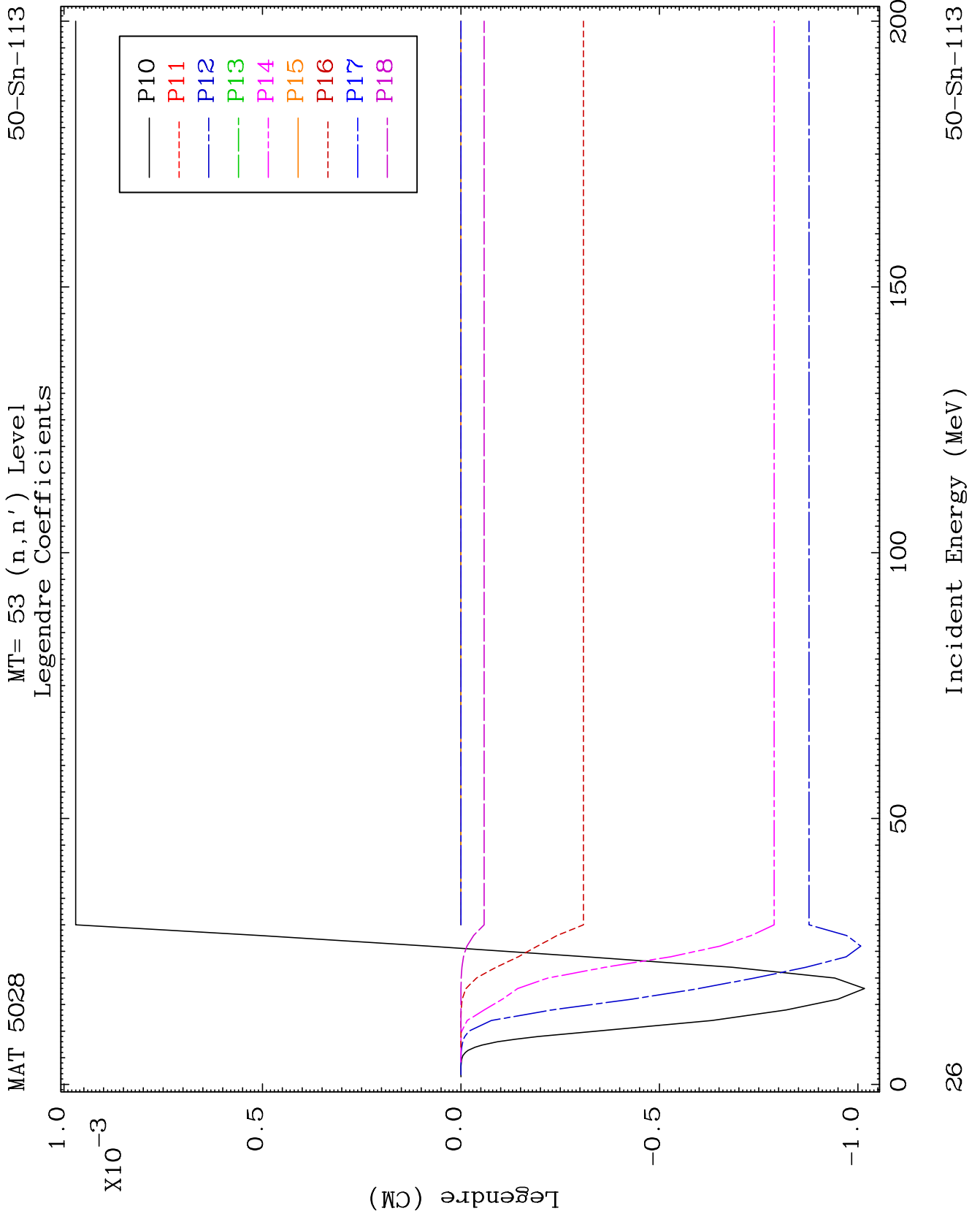


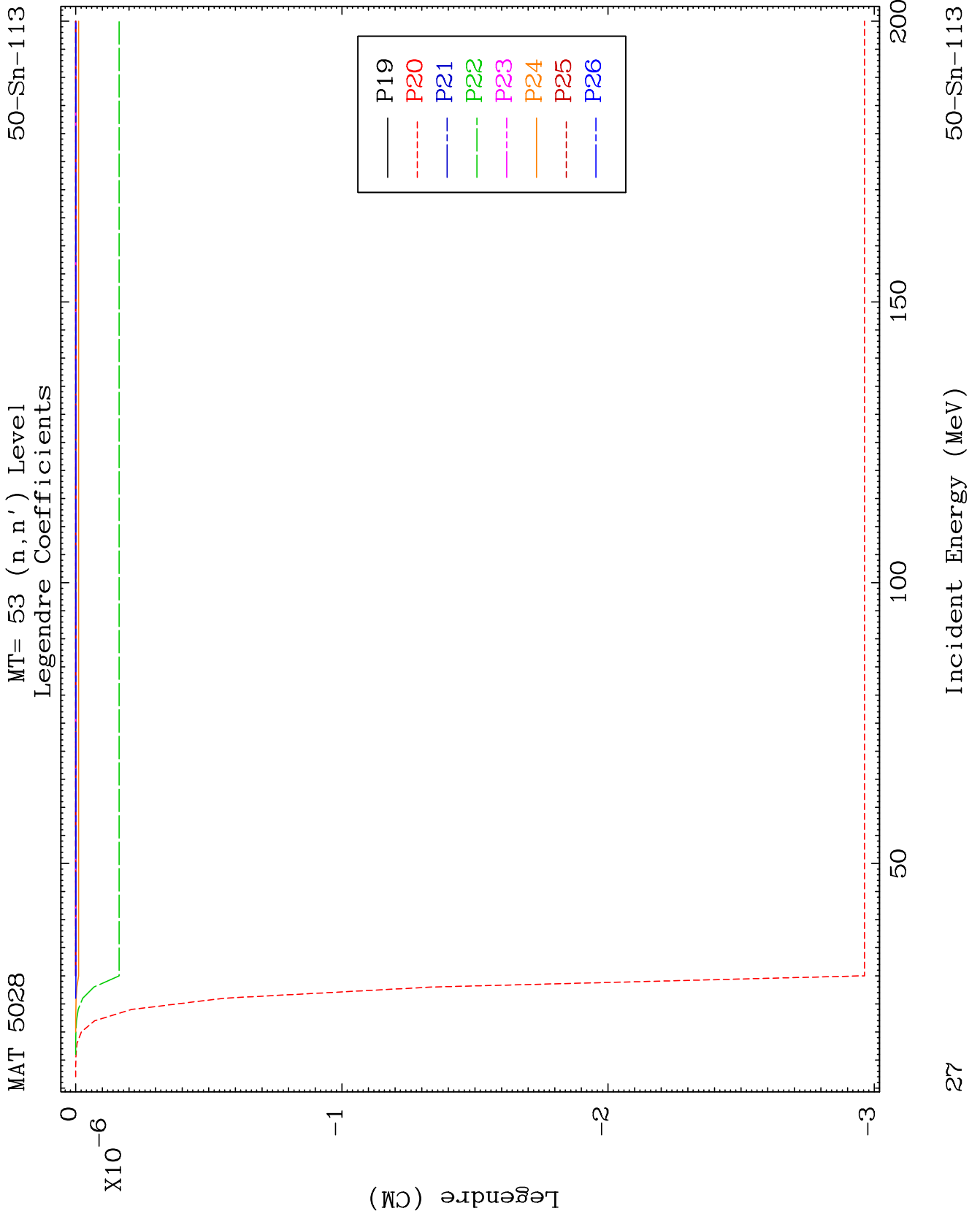








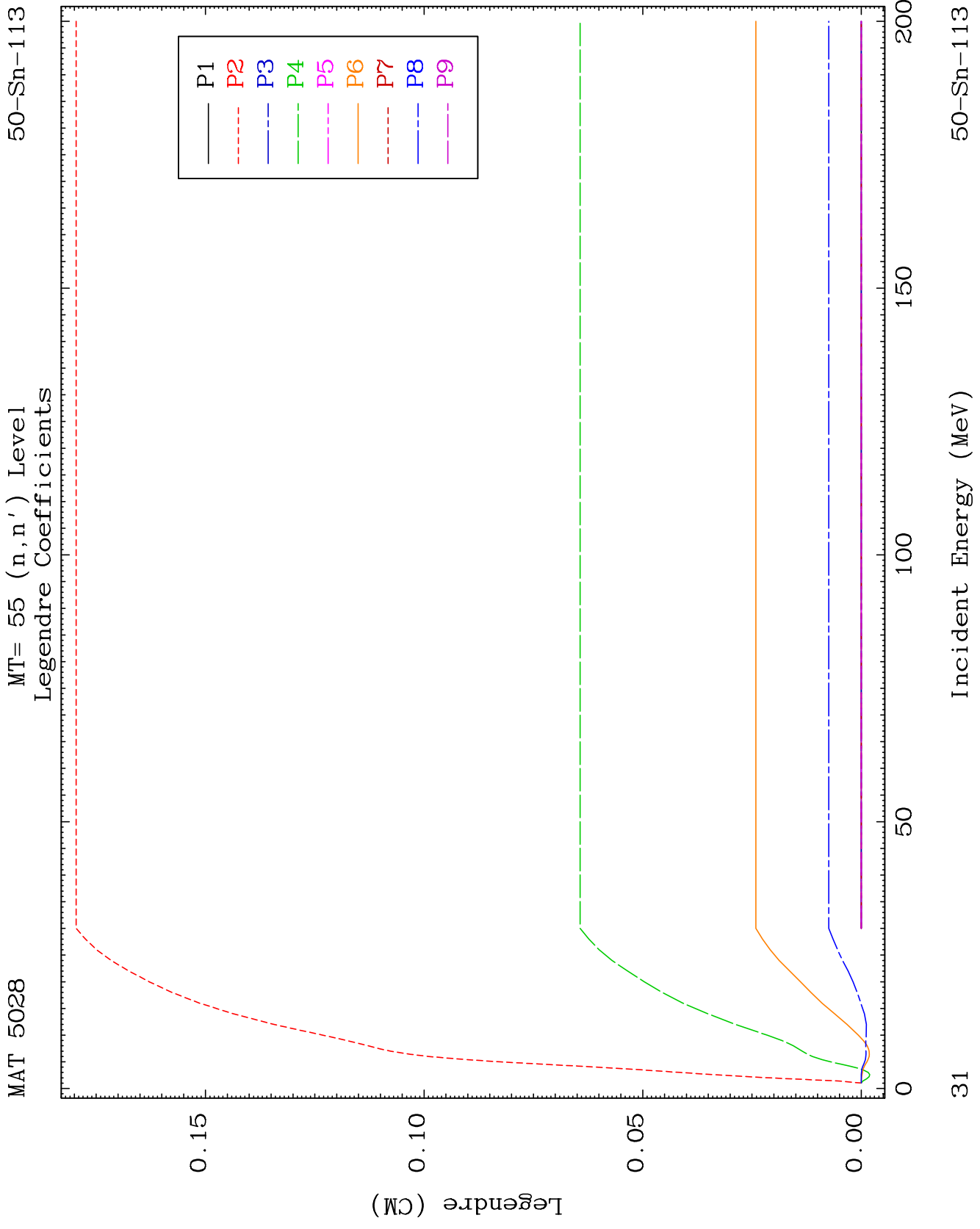










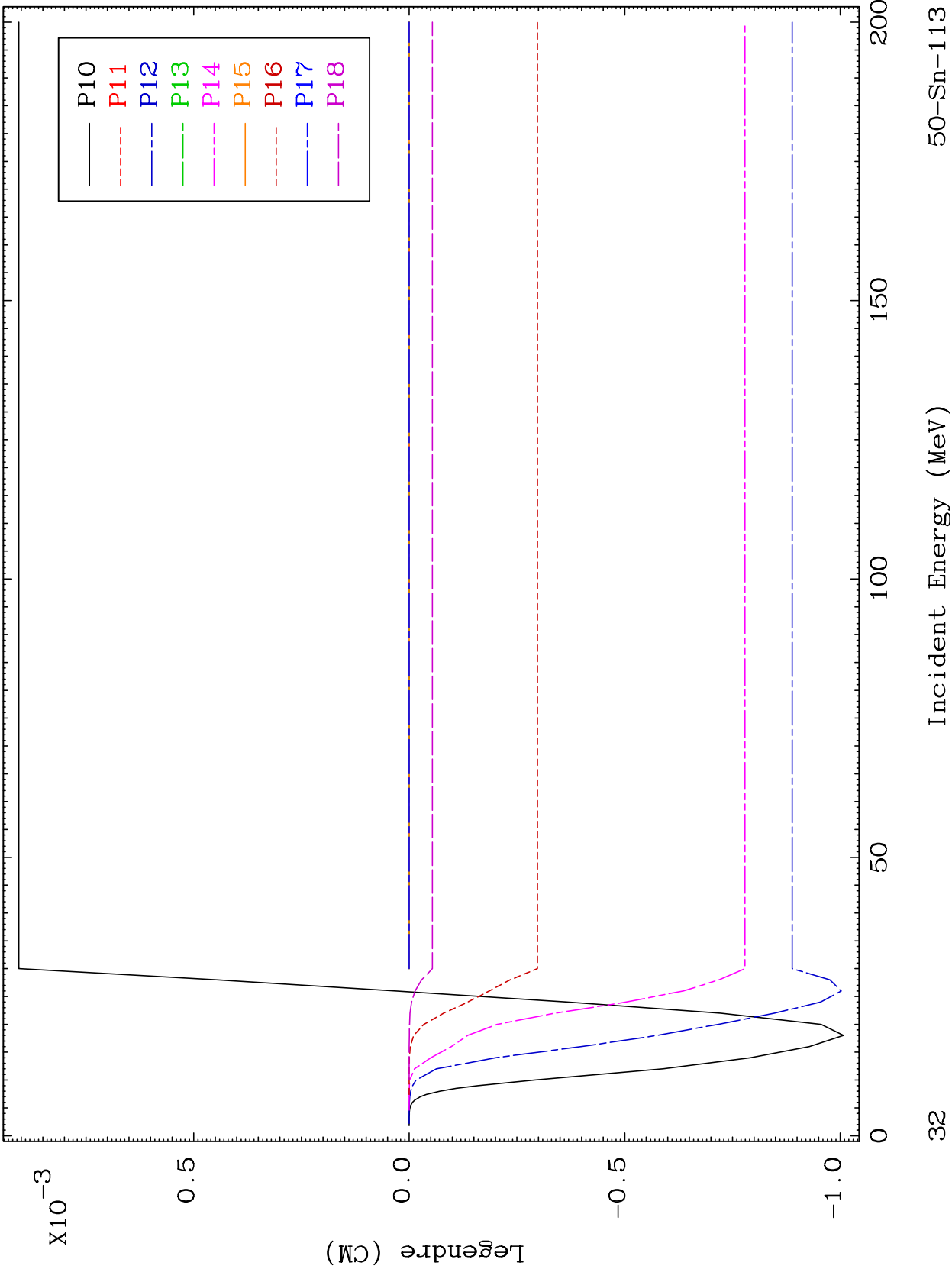


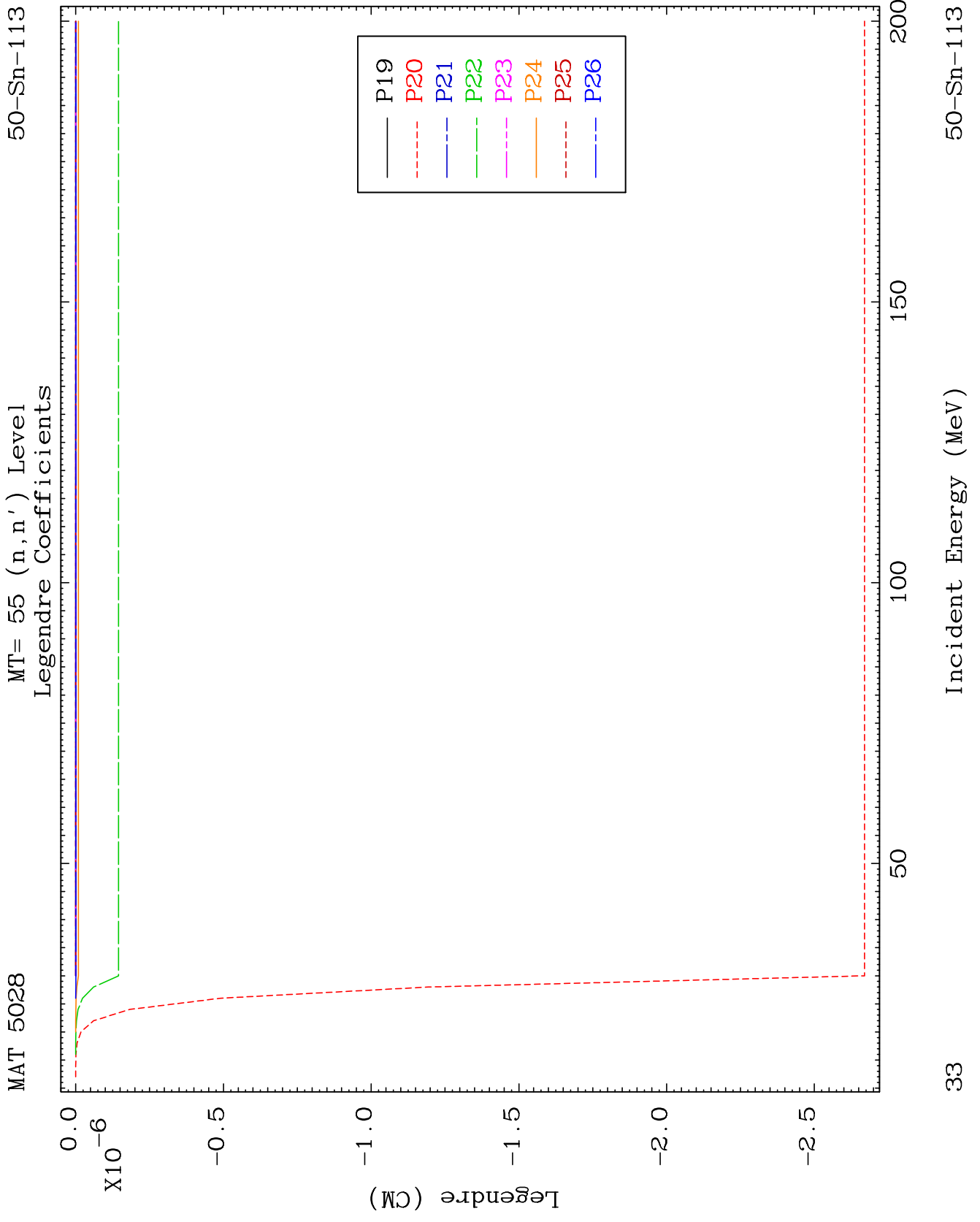


MAT 5028

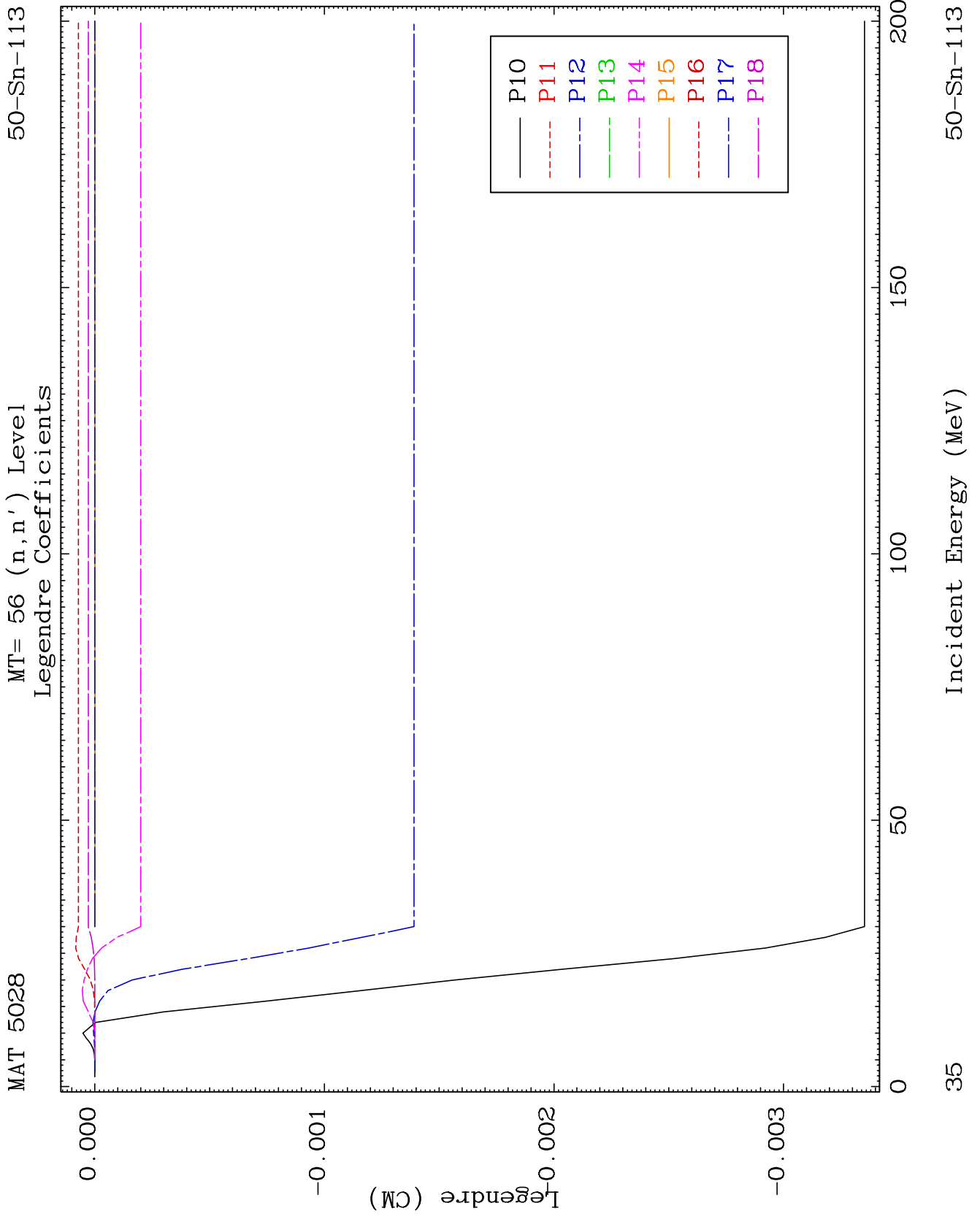
MT= 55 (n,n') Level  
Legendre Coefficients

50-Sn-113

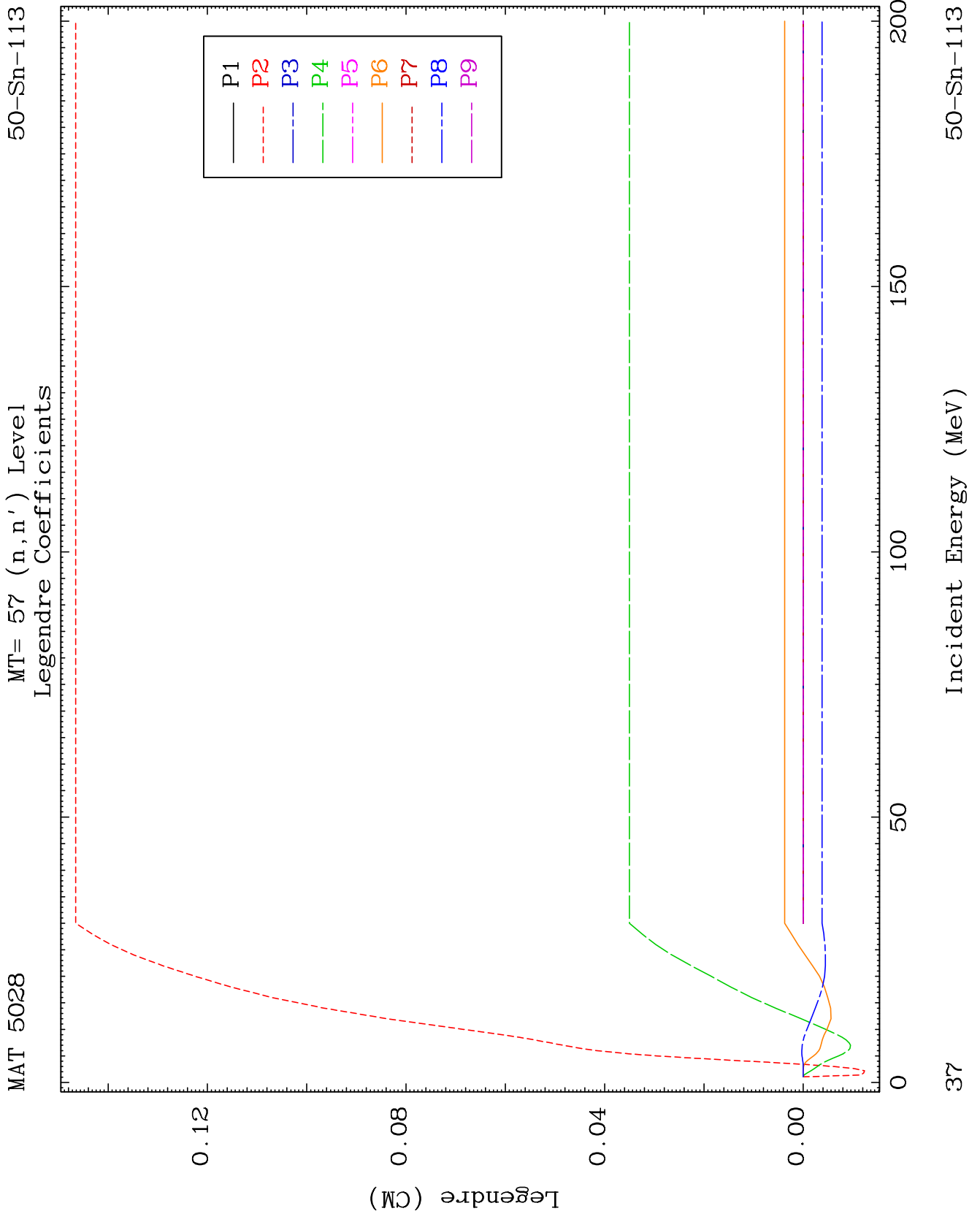


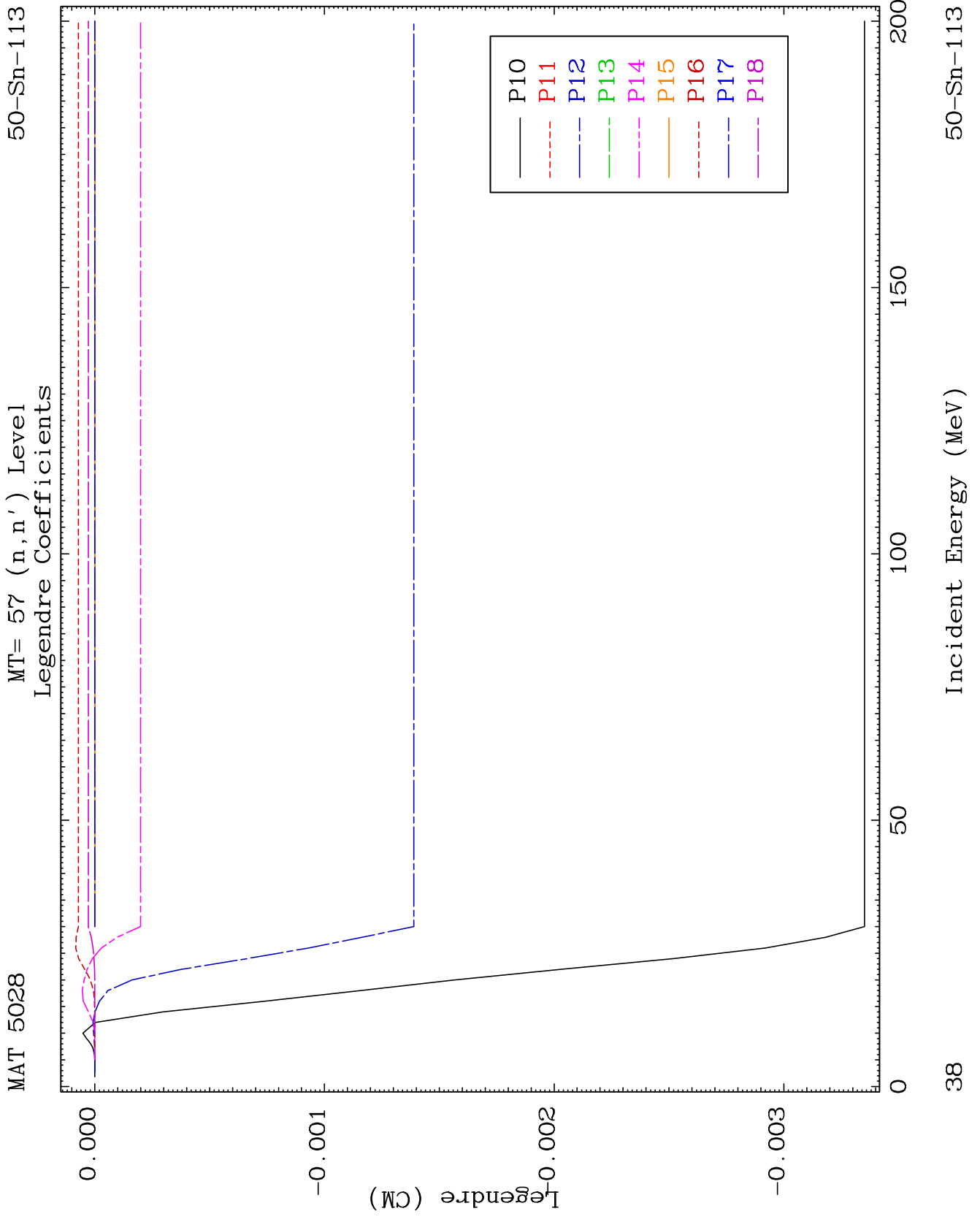


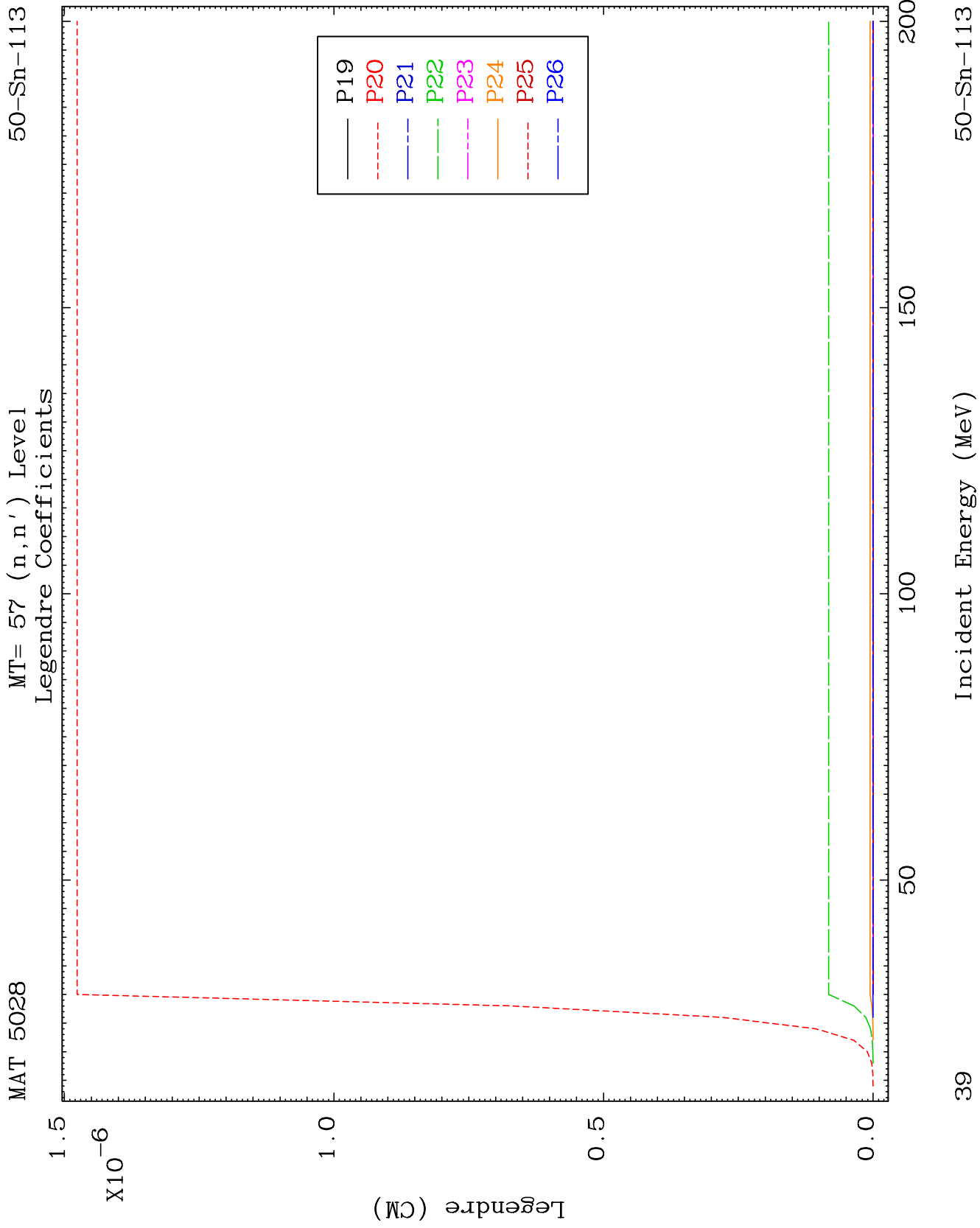




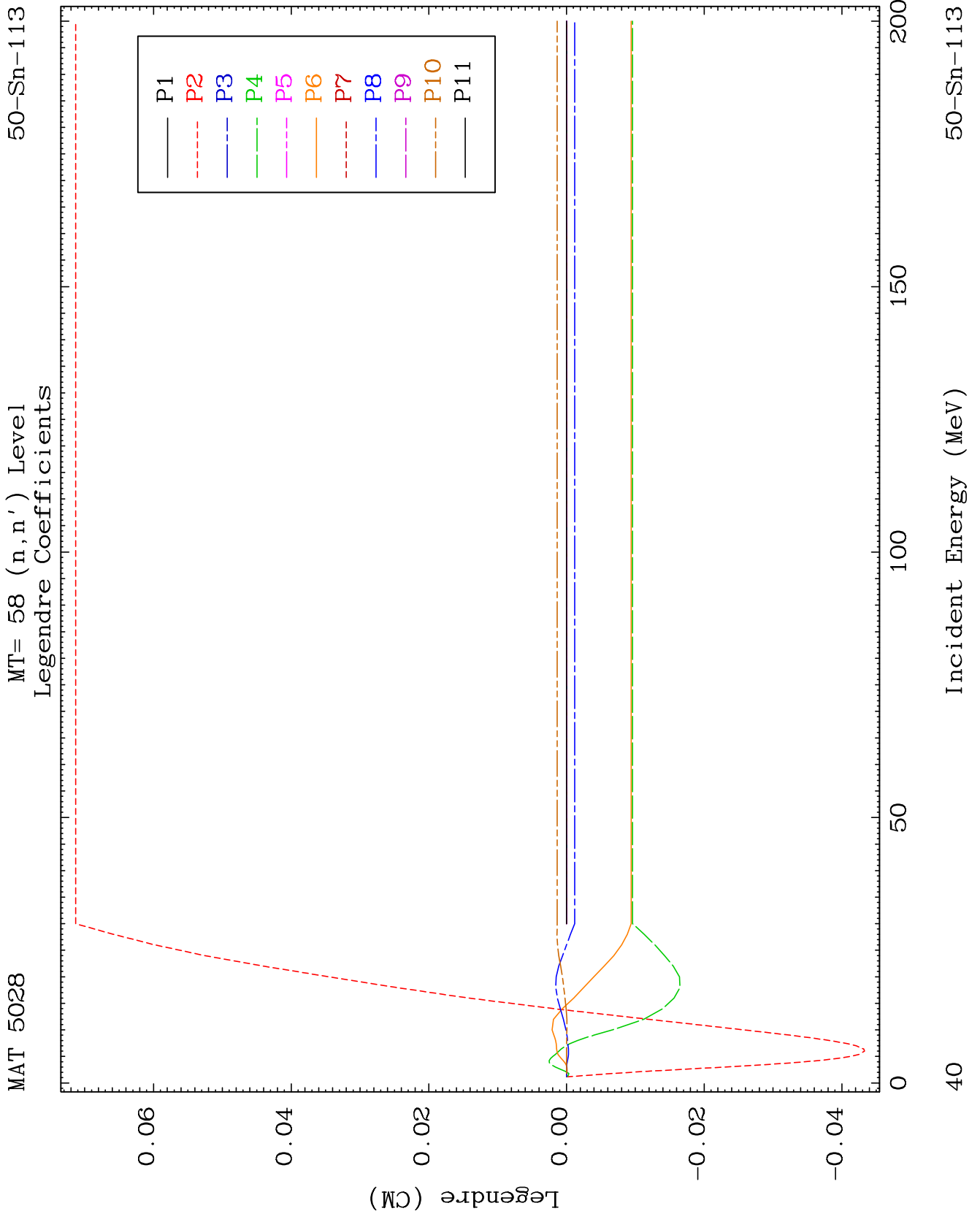








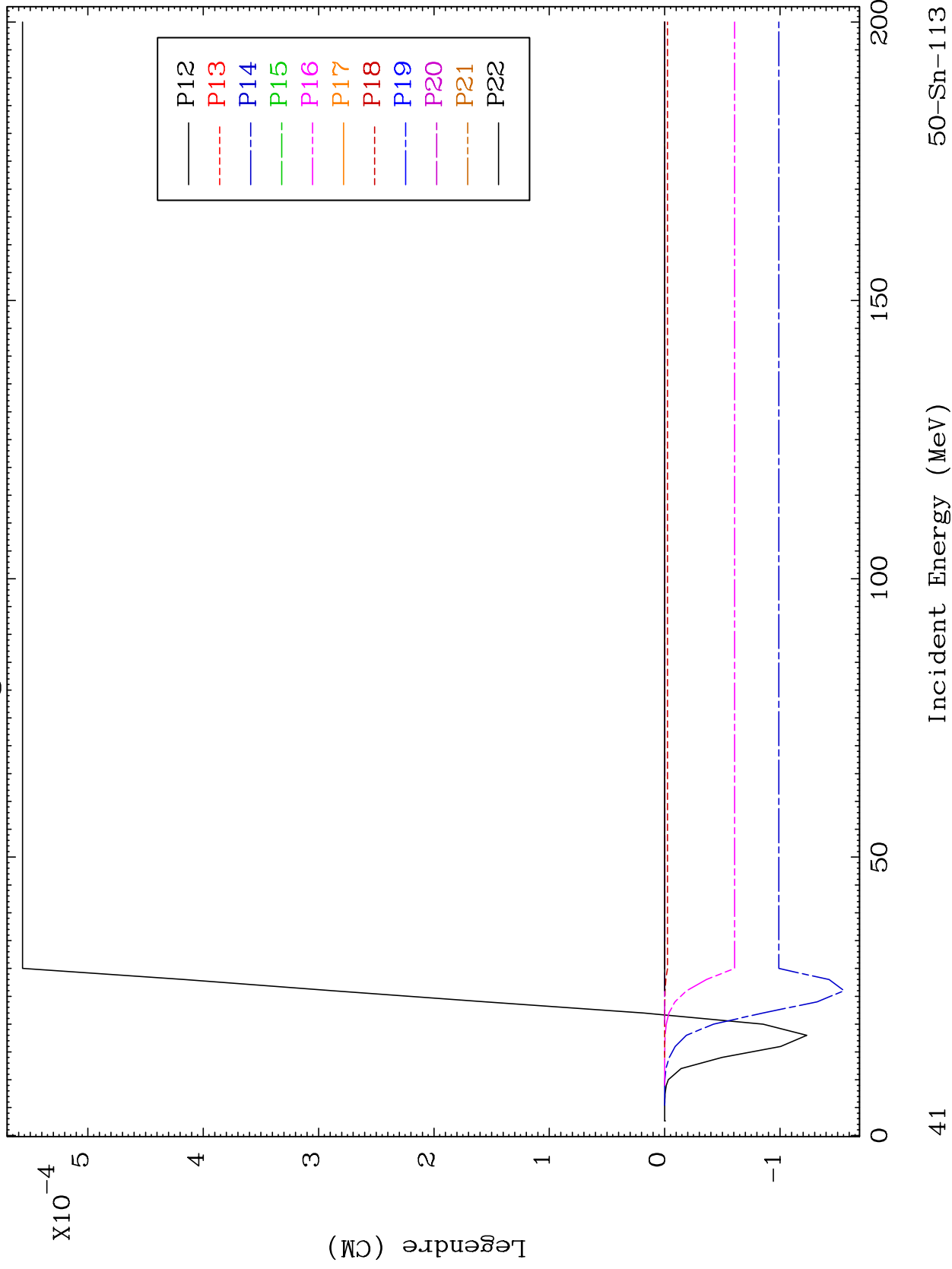




MAT 5028

MT= 58 (n,n') Level  
Legendre Coefficients

50-Sn-113



41

Incident Energy (MeV)

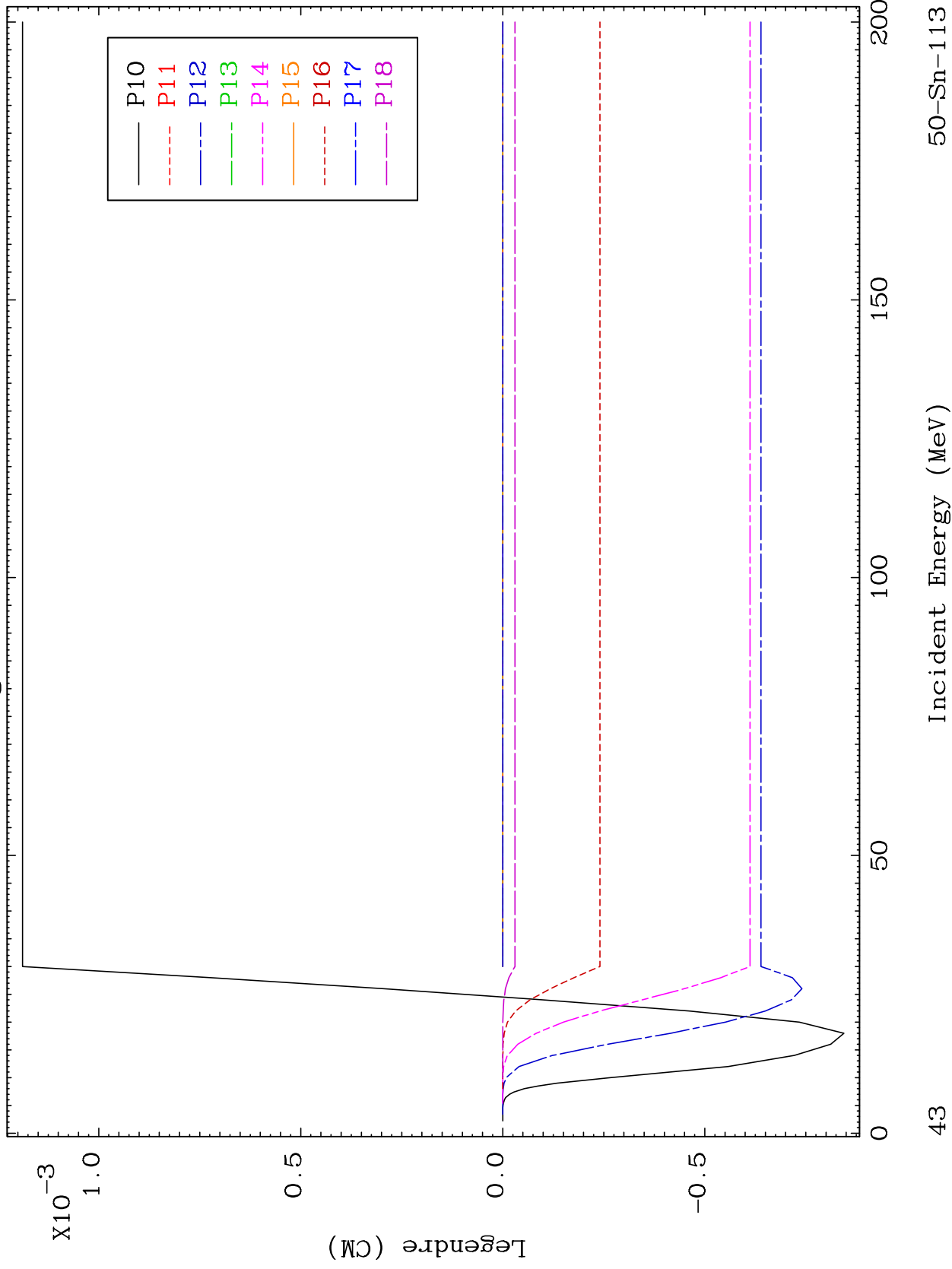
50-Sn-113



MAT 5028

MT= 59 (n,n') Level  
Legendre Coefficients

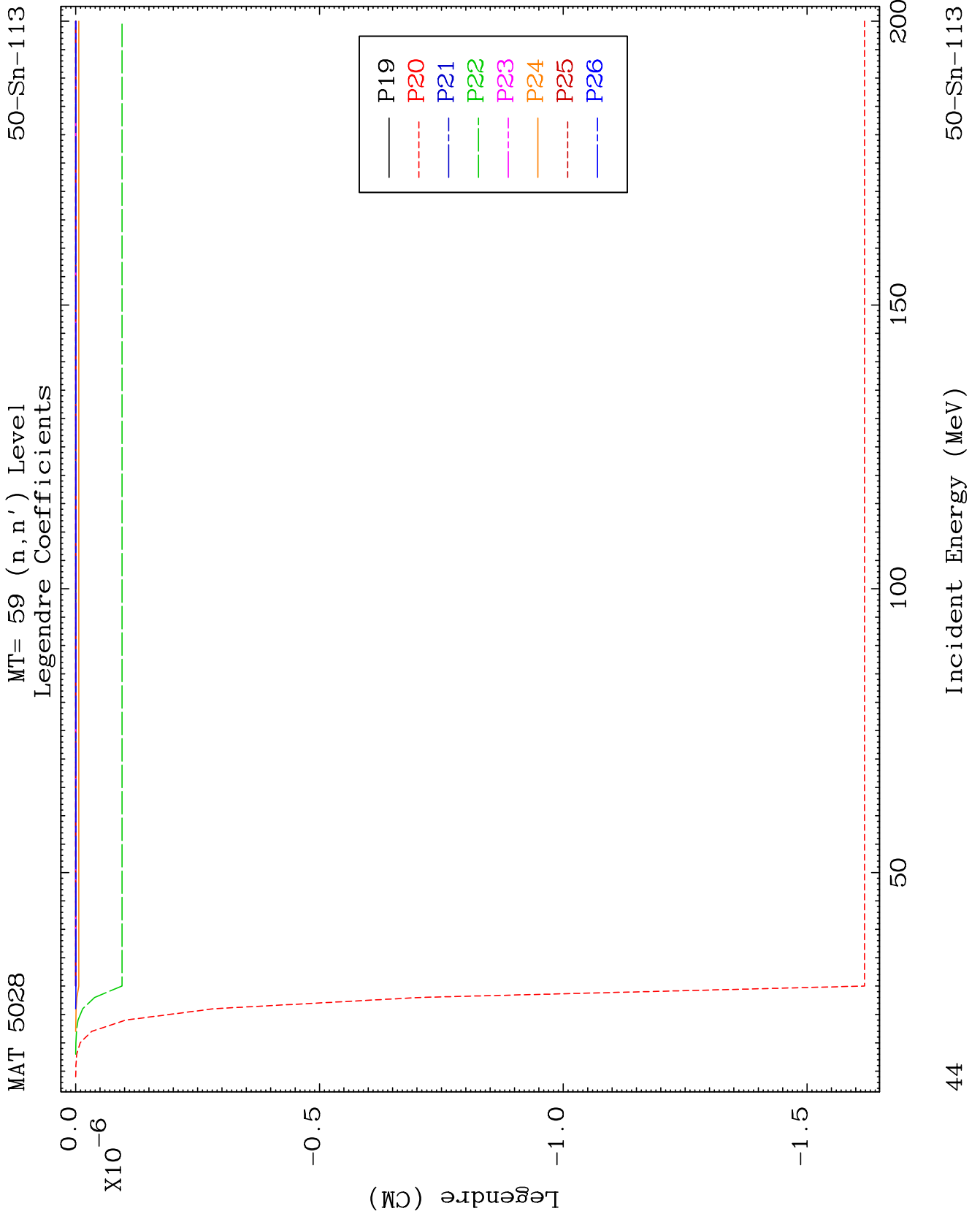
50-Sn-113

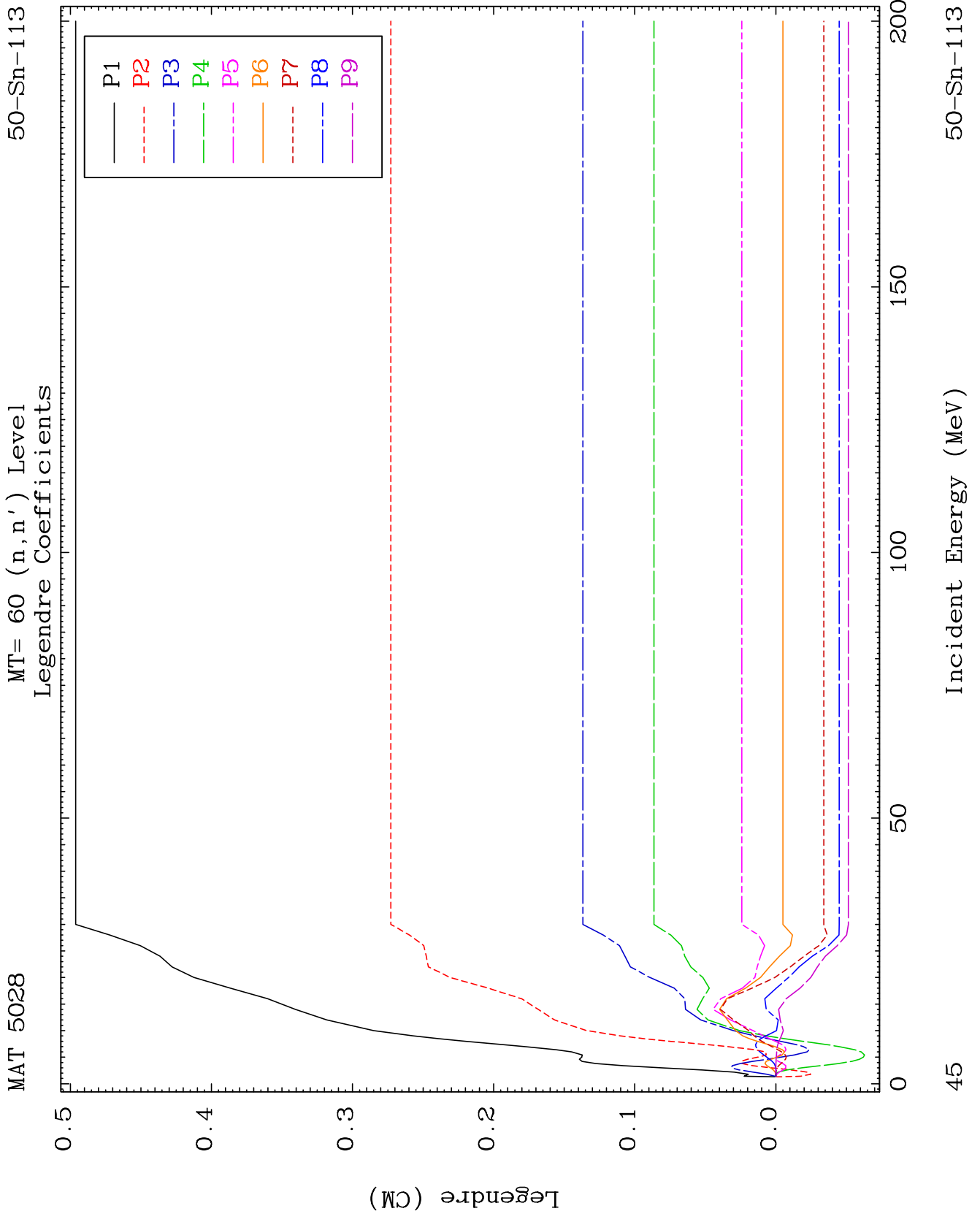


50-Sn-113

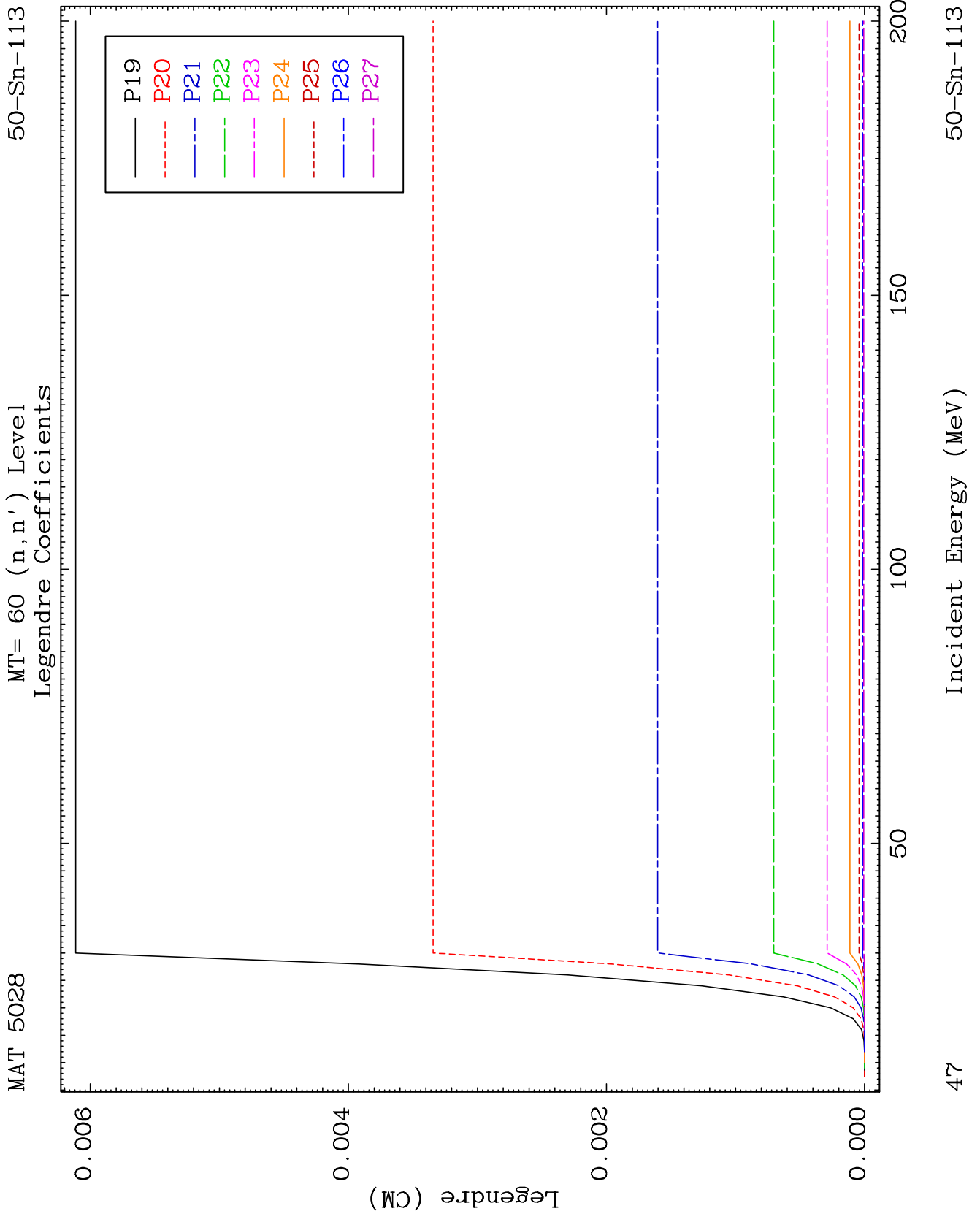
Incident Energy (MeV)

43

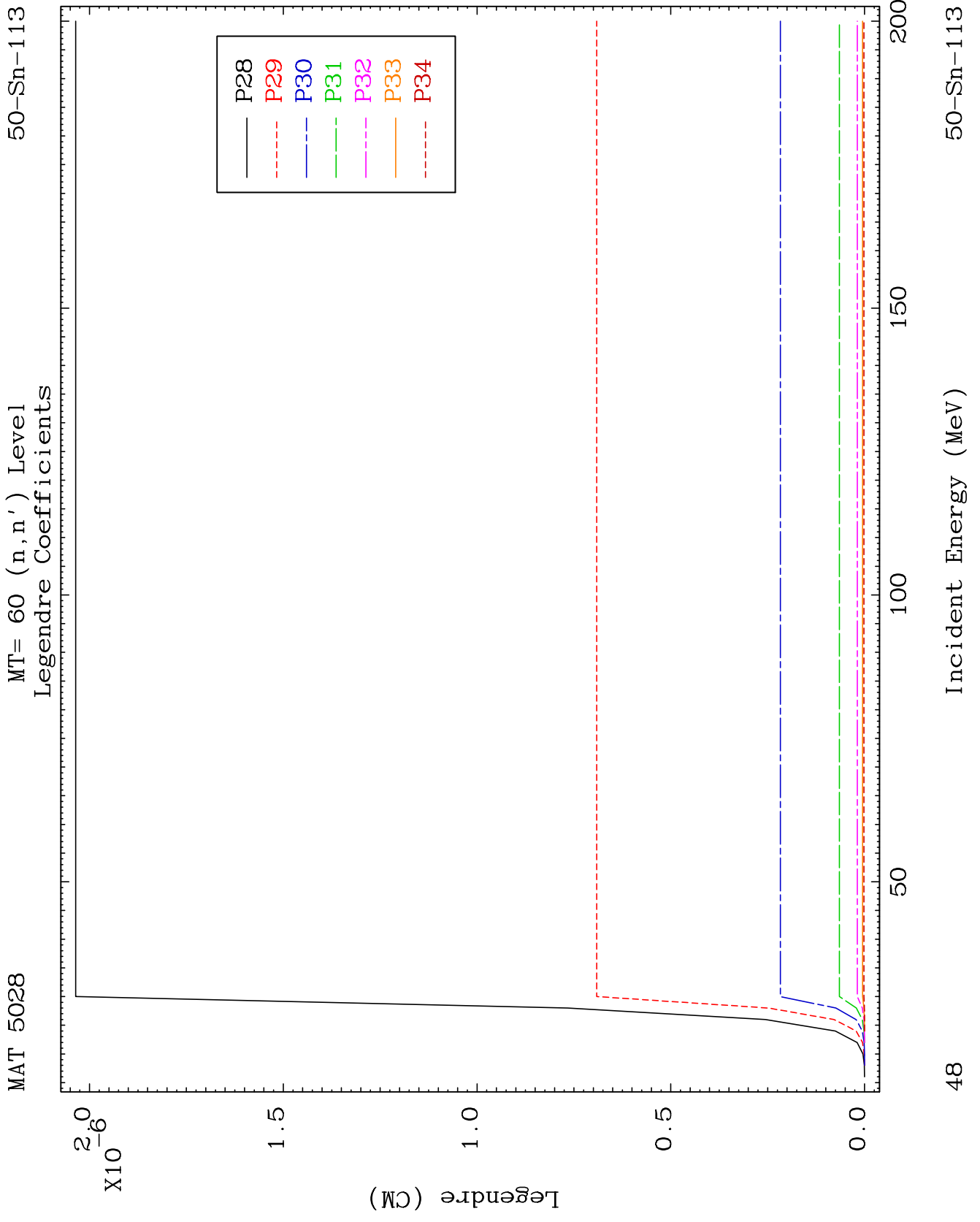


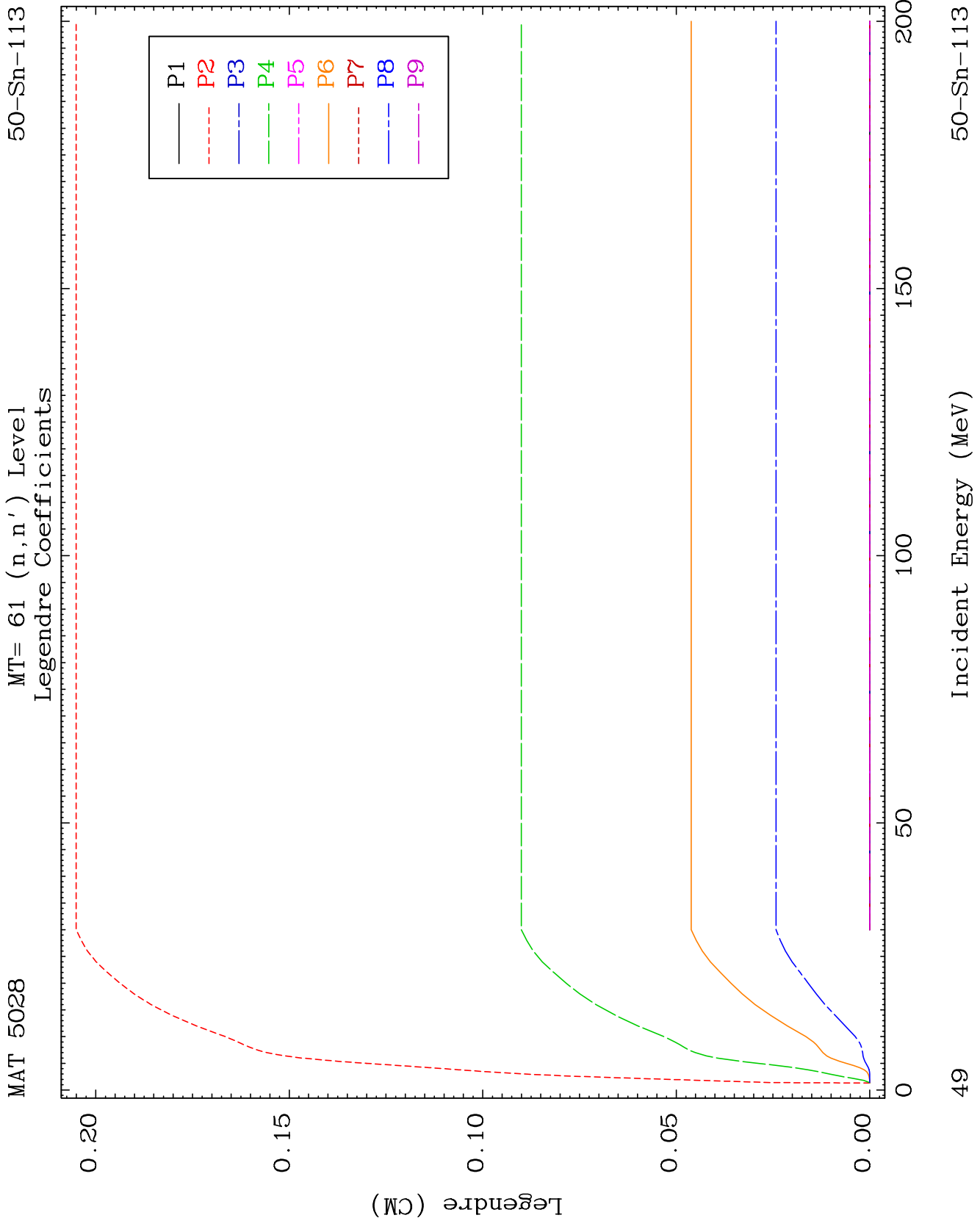












50-Sn-113

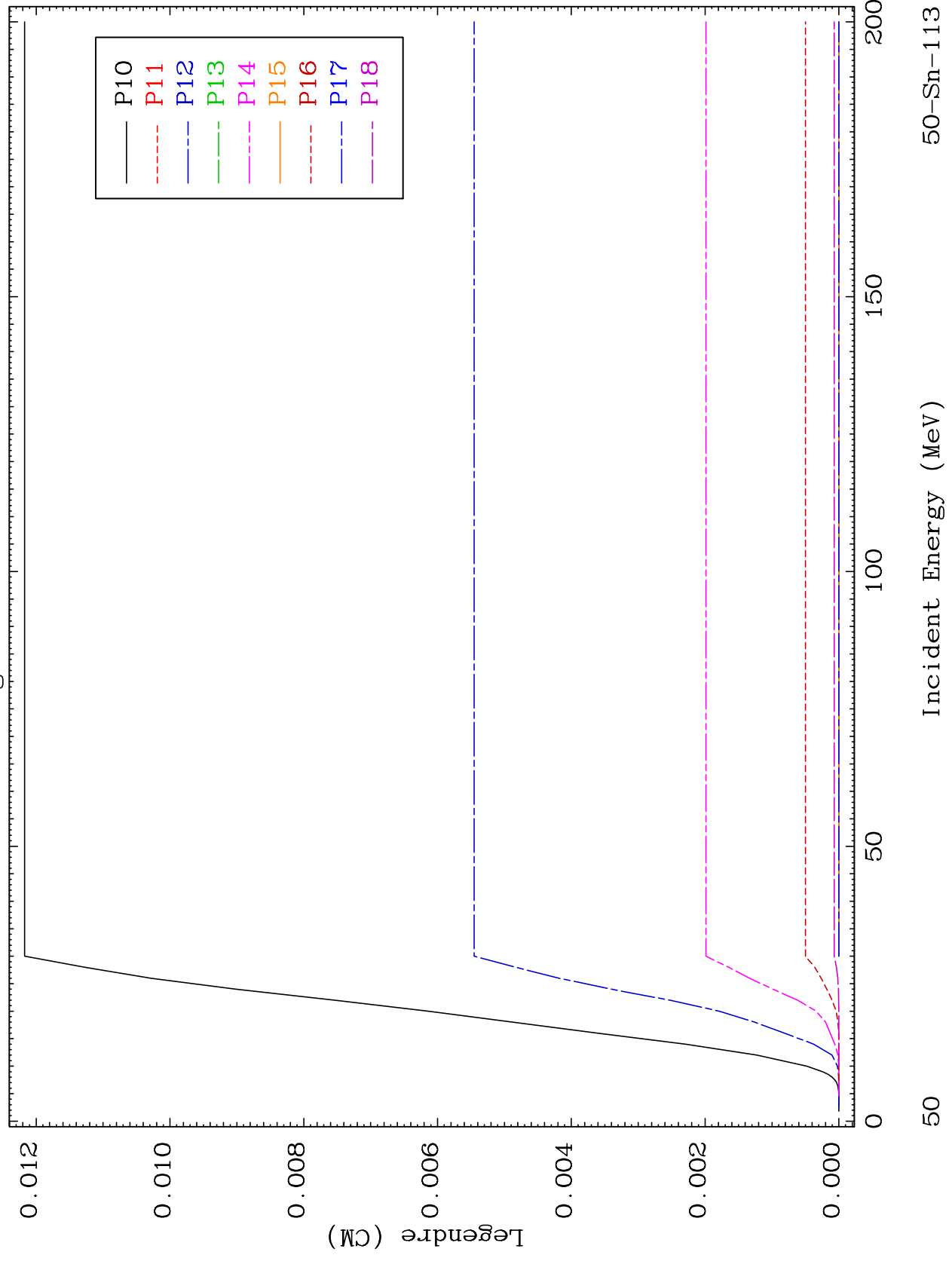
Incident Energy (MeV)

49

MAT 5028

MT= 61 (n,n') Level  
Legendre Coefficients

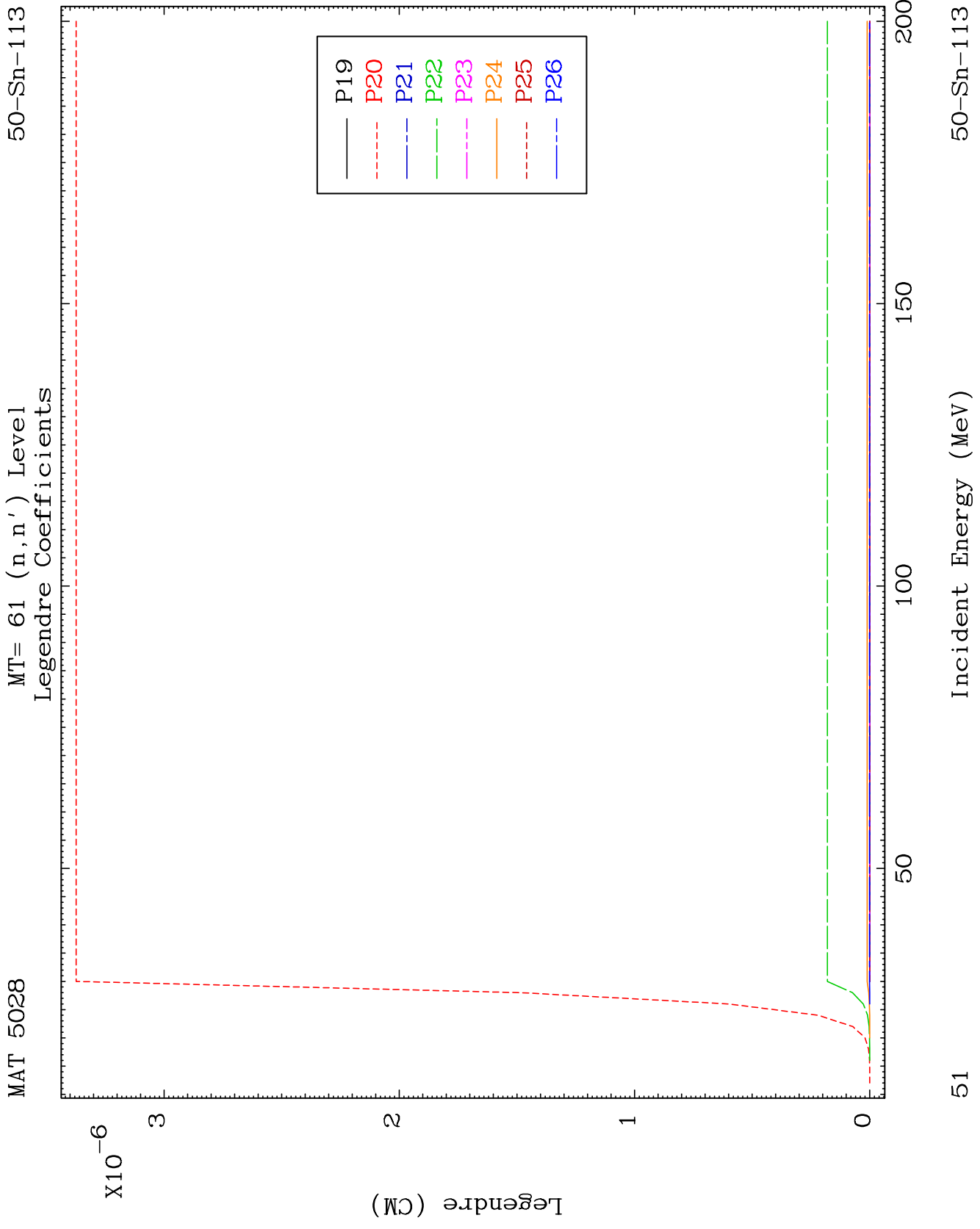
50-Sn-113

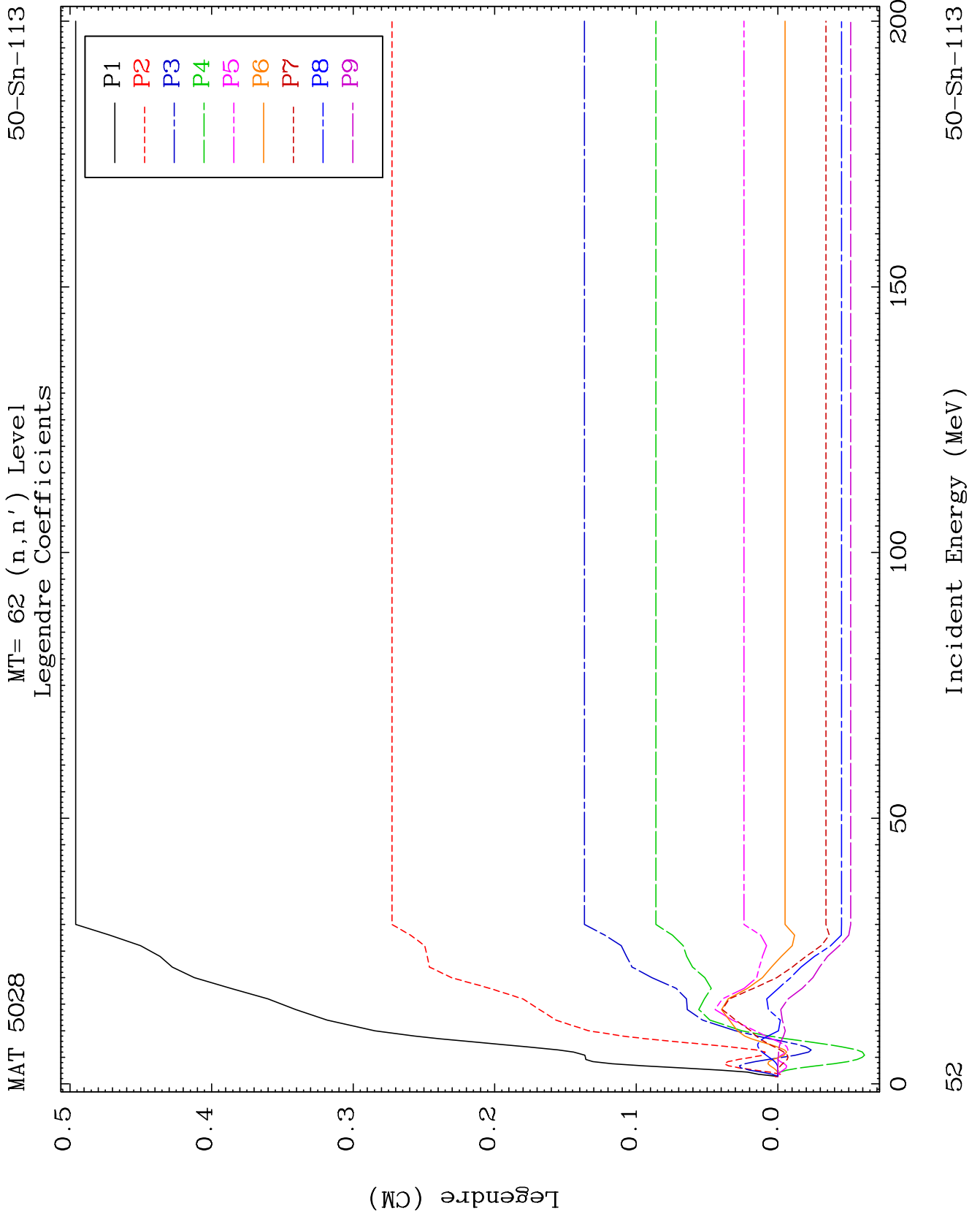


50-Sn-113

Incident Energy (MeV)

50

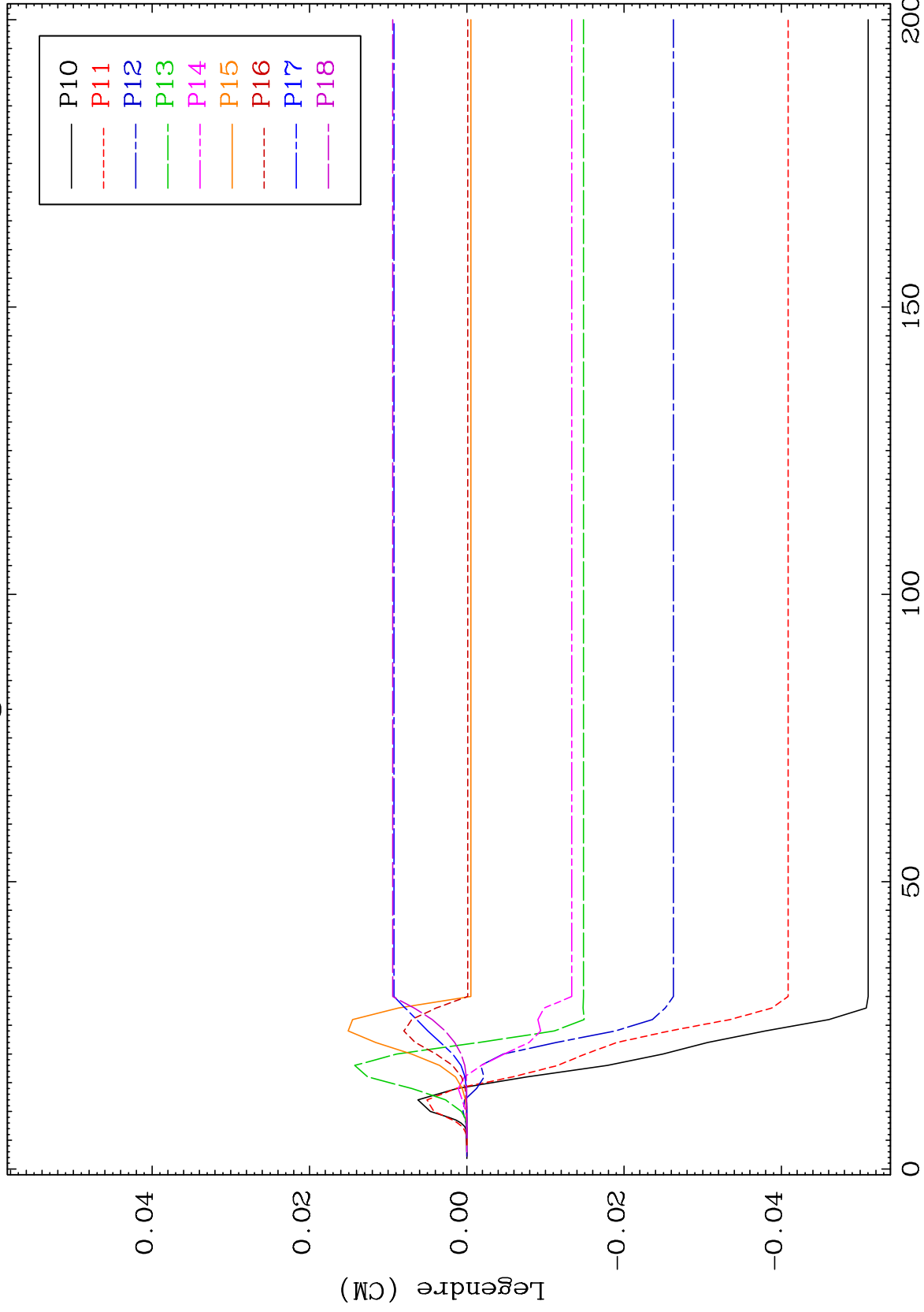




MAT 5028

MT= 62 (n,n') Level  
Legendre Coefficients

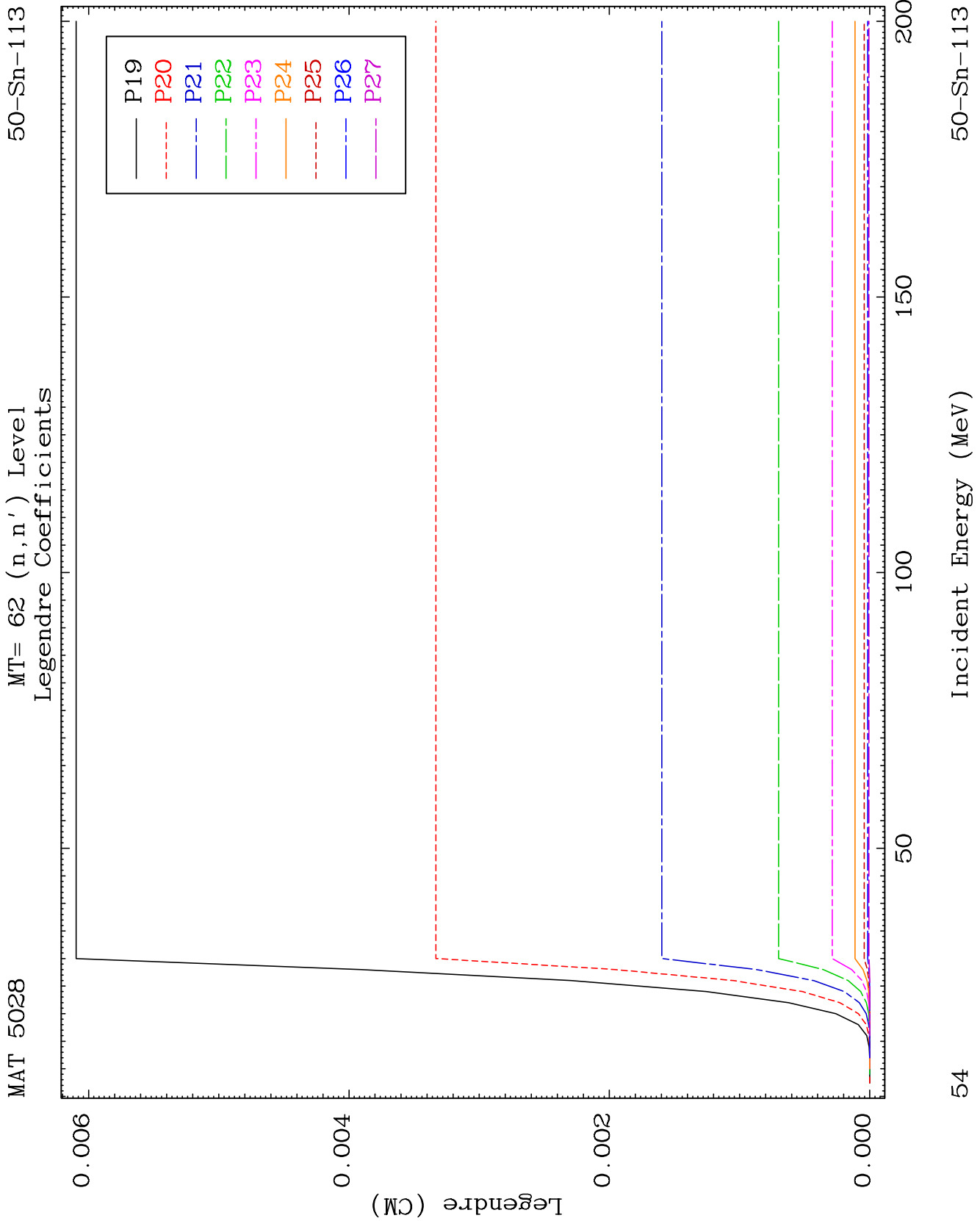
50-Sn-113

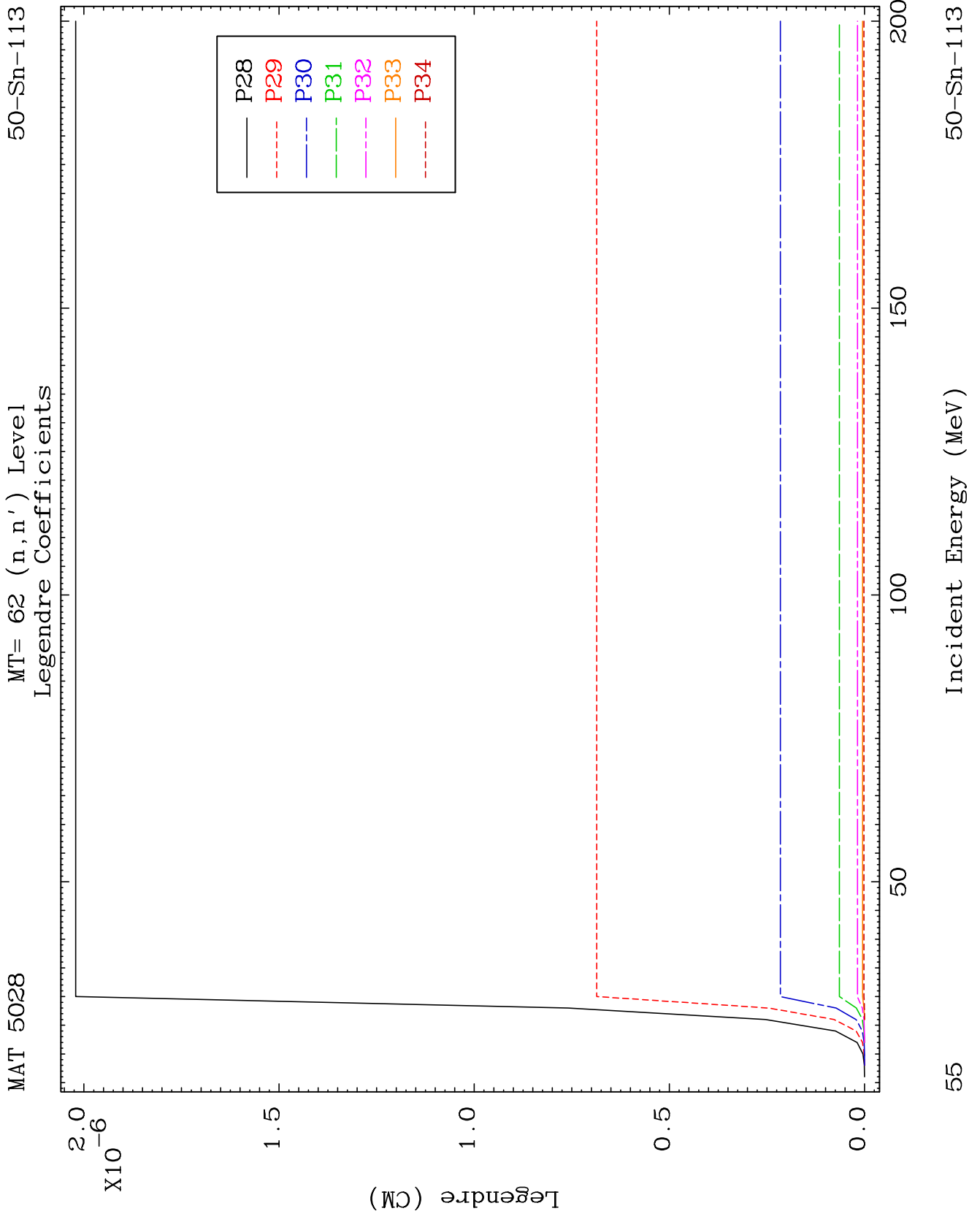


53

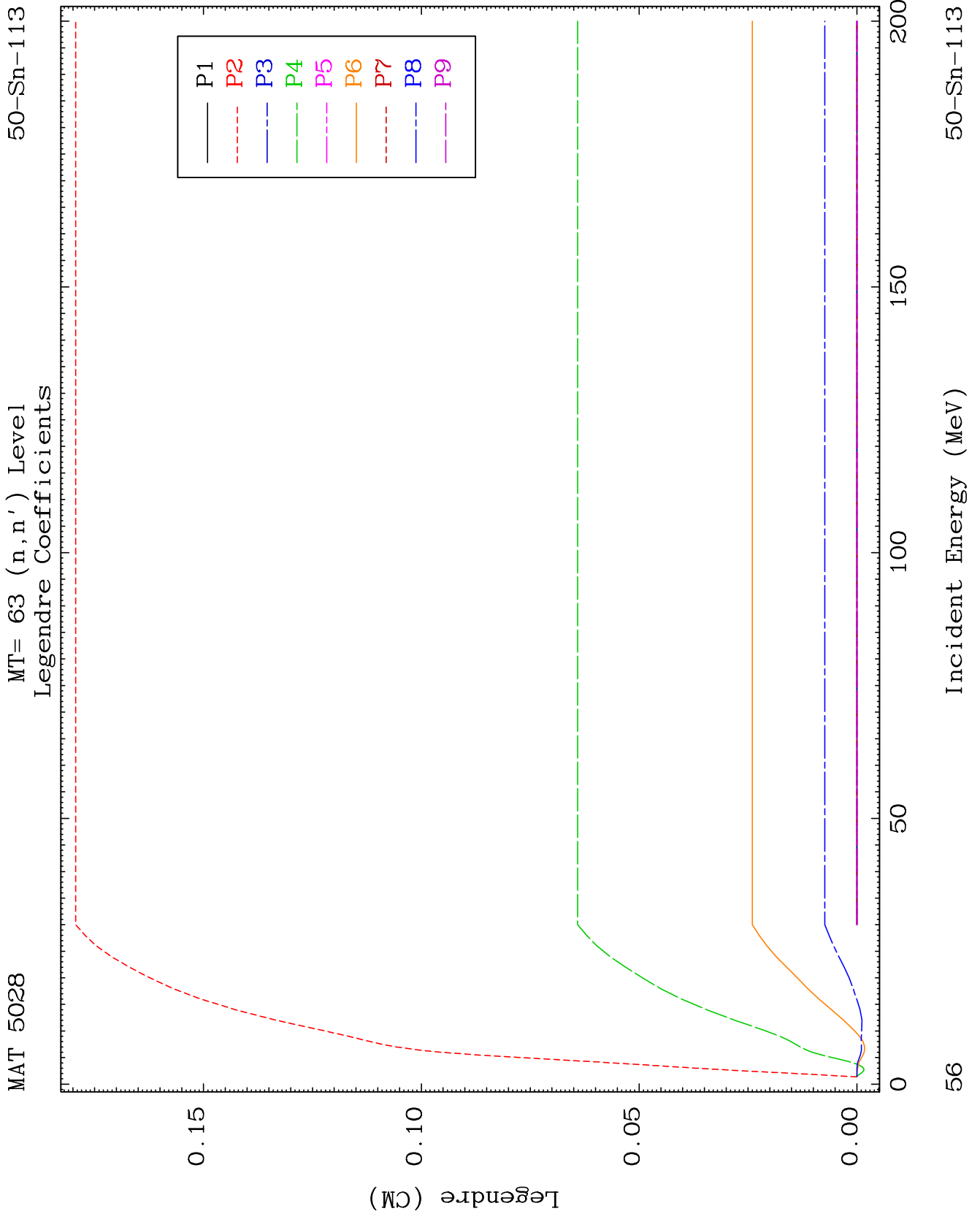
Incident Energy (MeV)

50-Sn-113





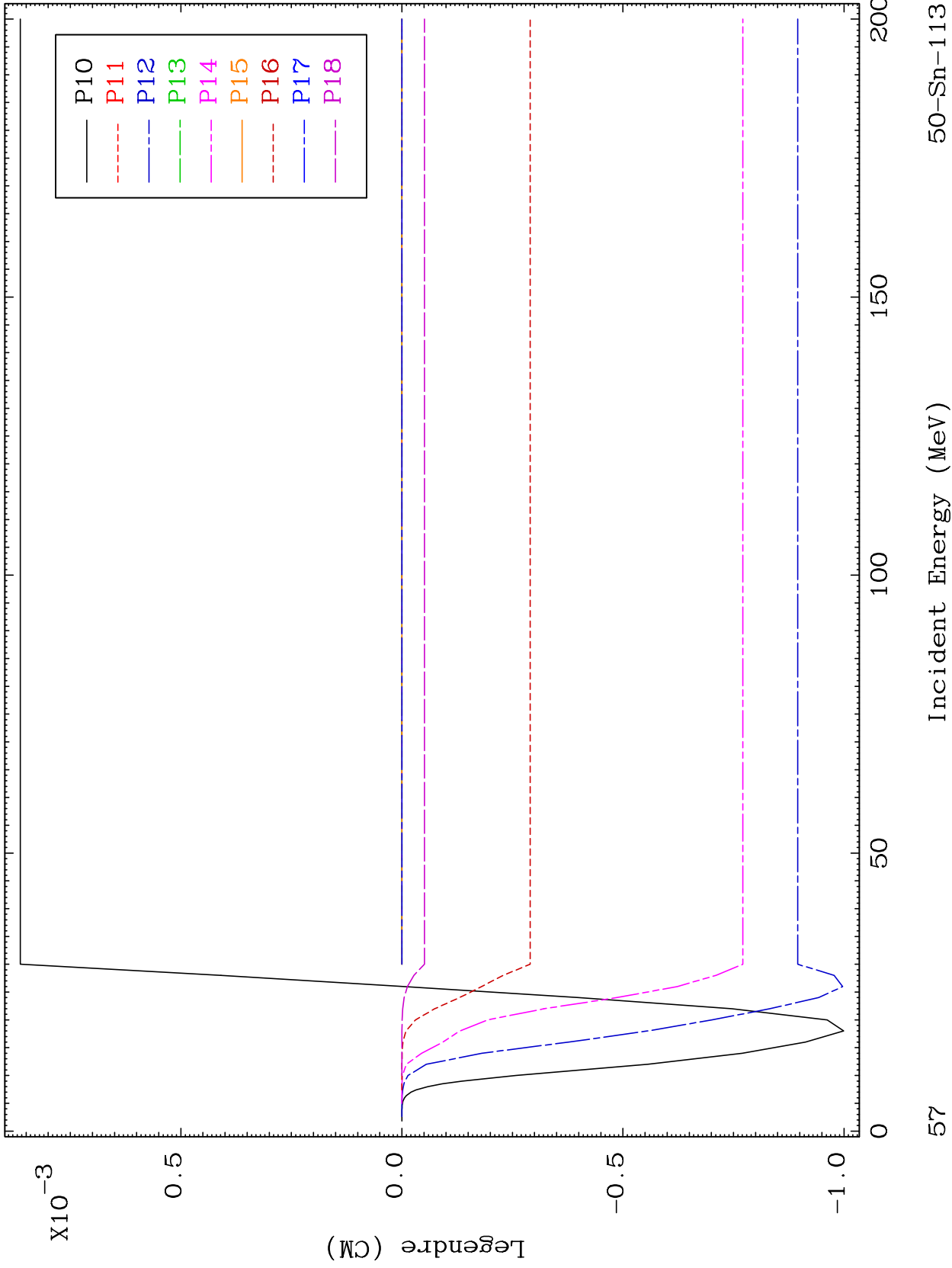


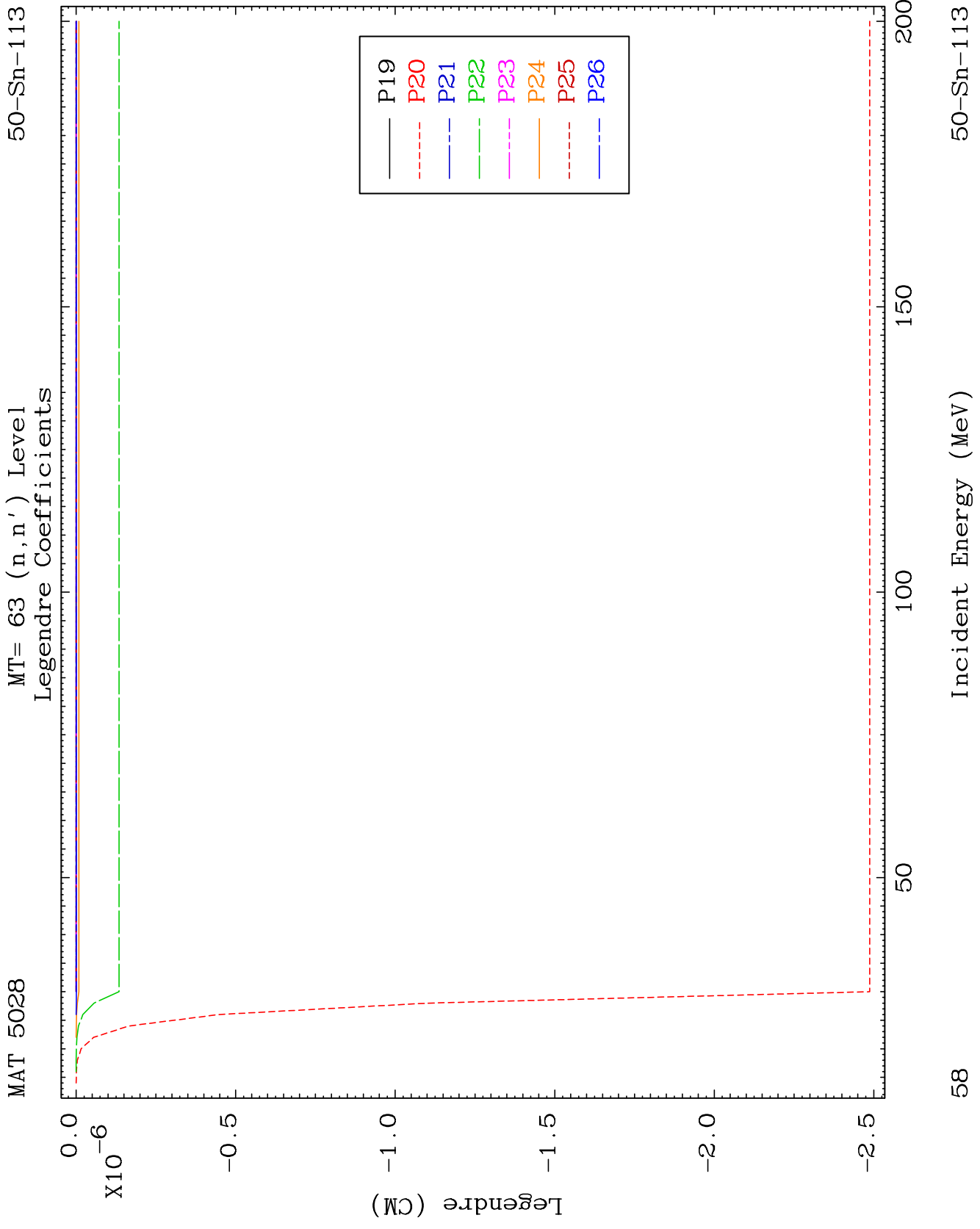


MAT 5028

MT= 63 (n,n') Level  
Legendre Coefficients

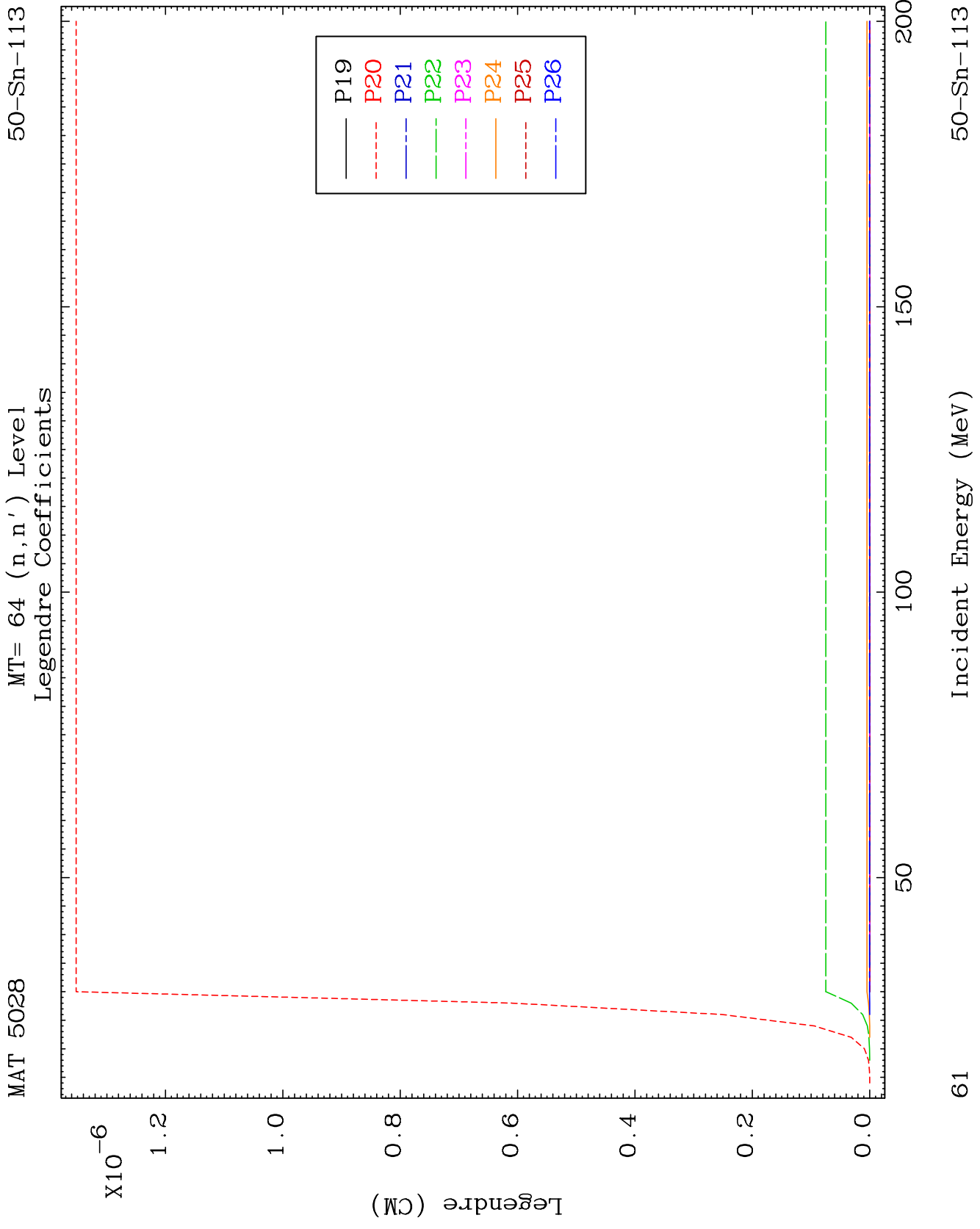
50-Sn-113









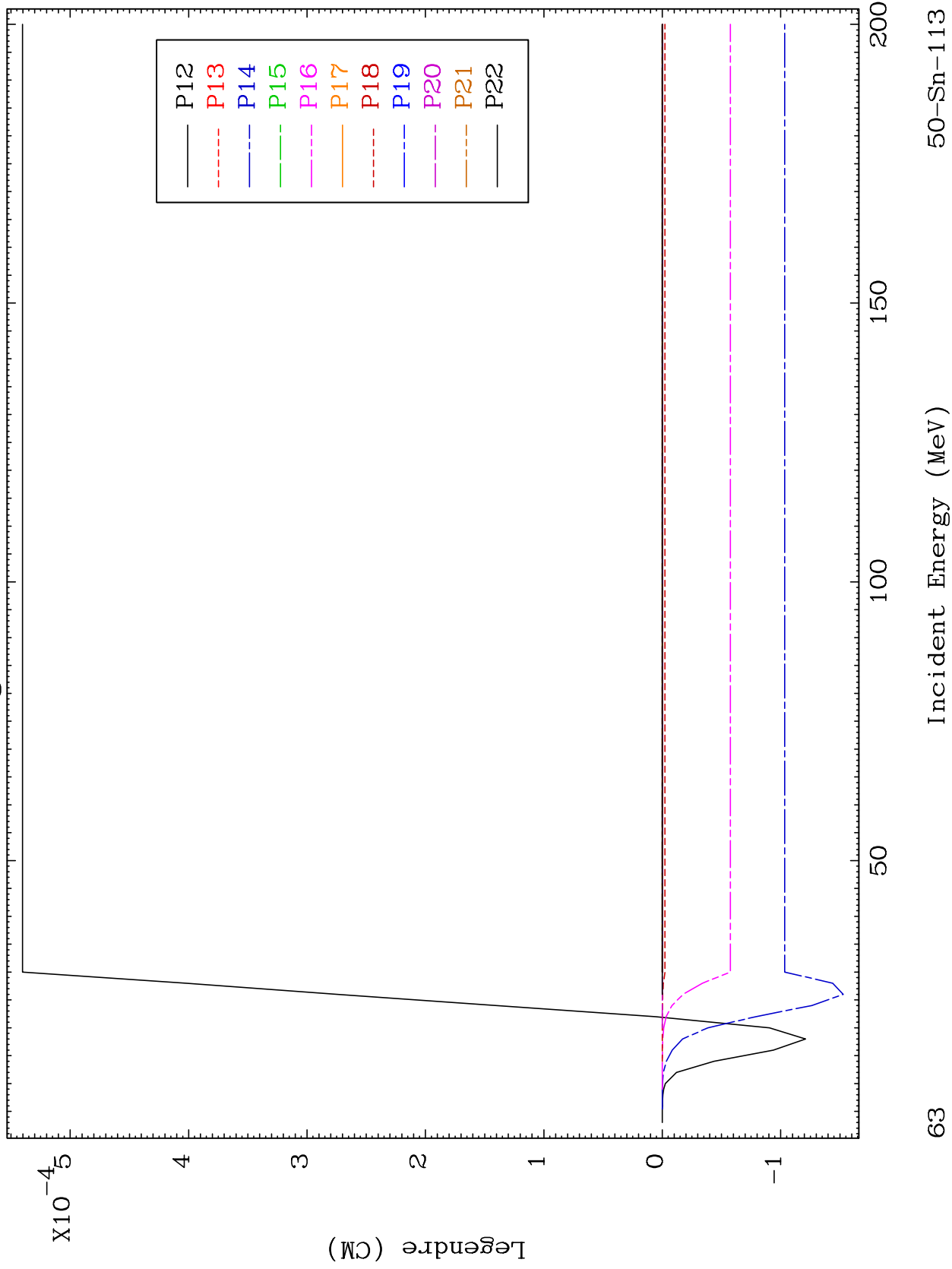




MAT 5028

MT= 65 (n,n') Level  
Legendre Coefficients

50-Sn-113

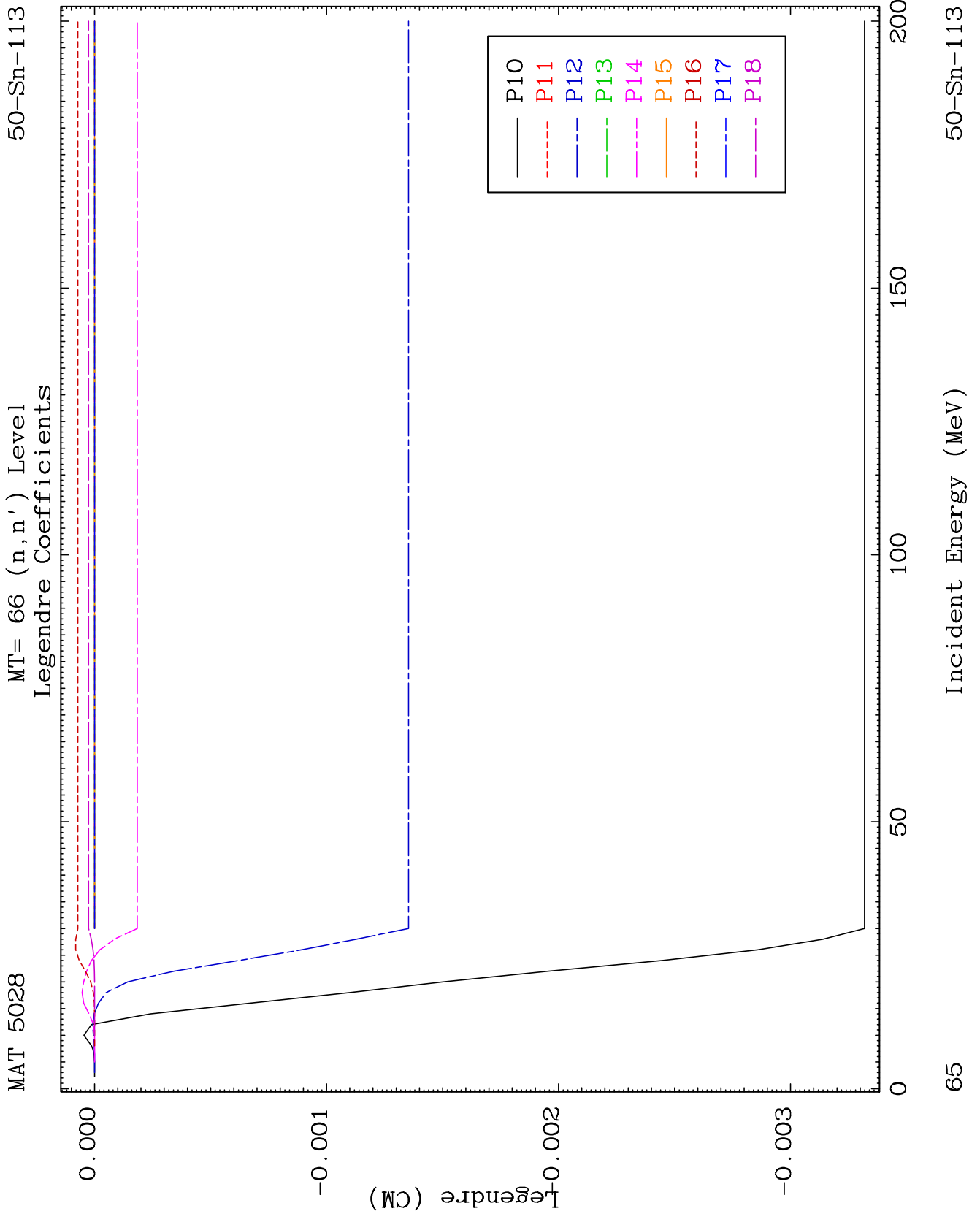


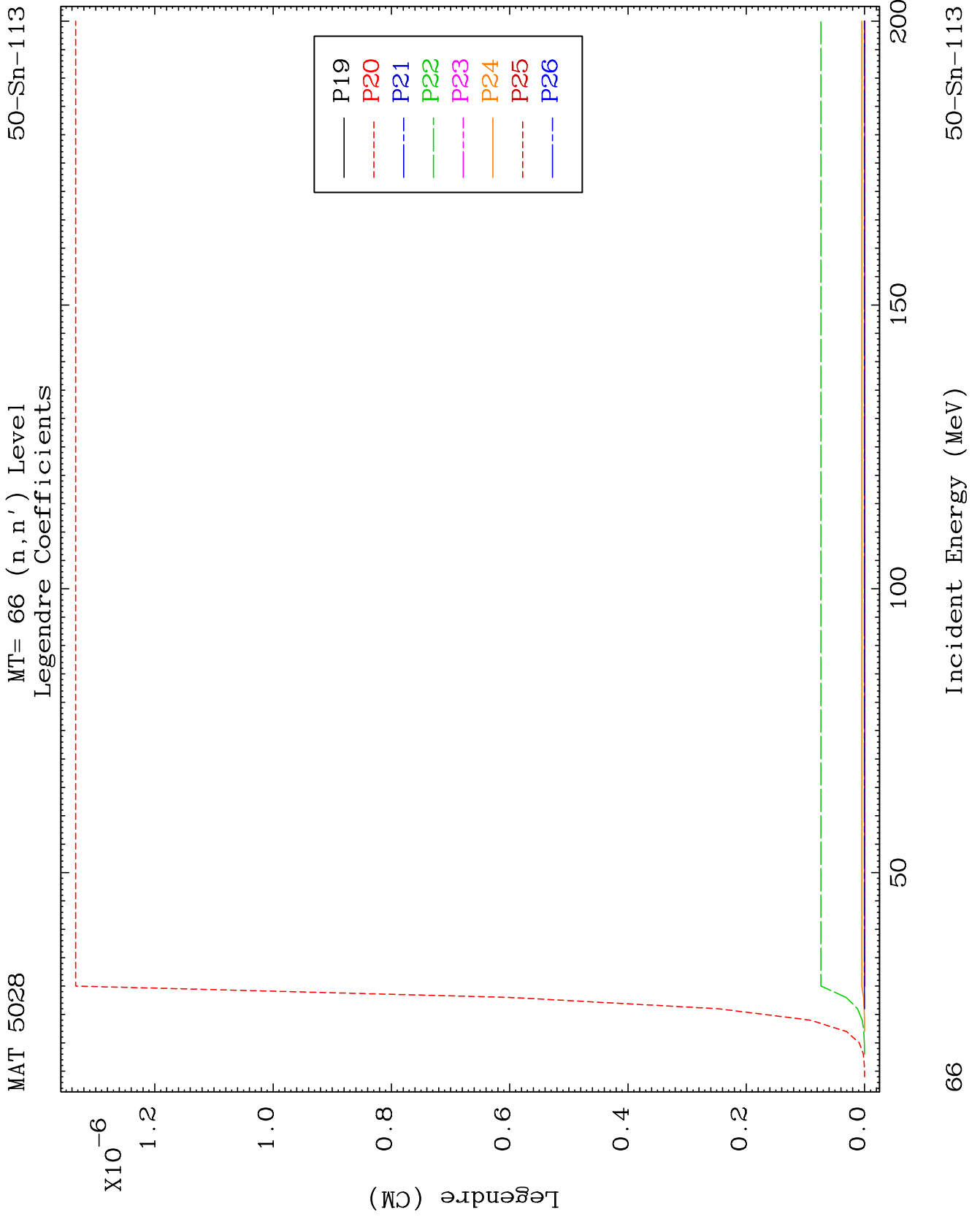
63

50-Sn-113





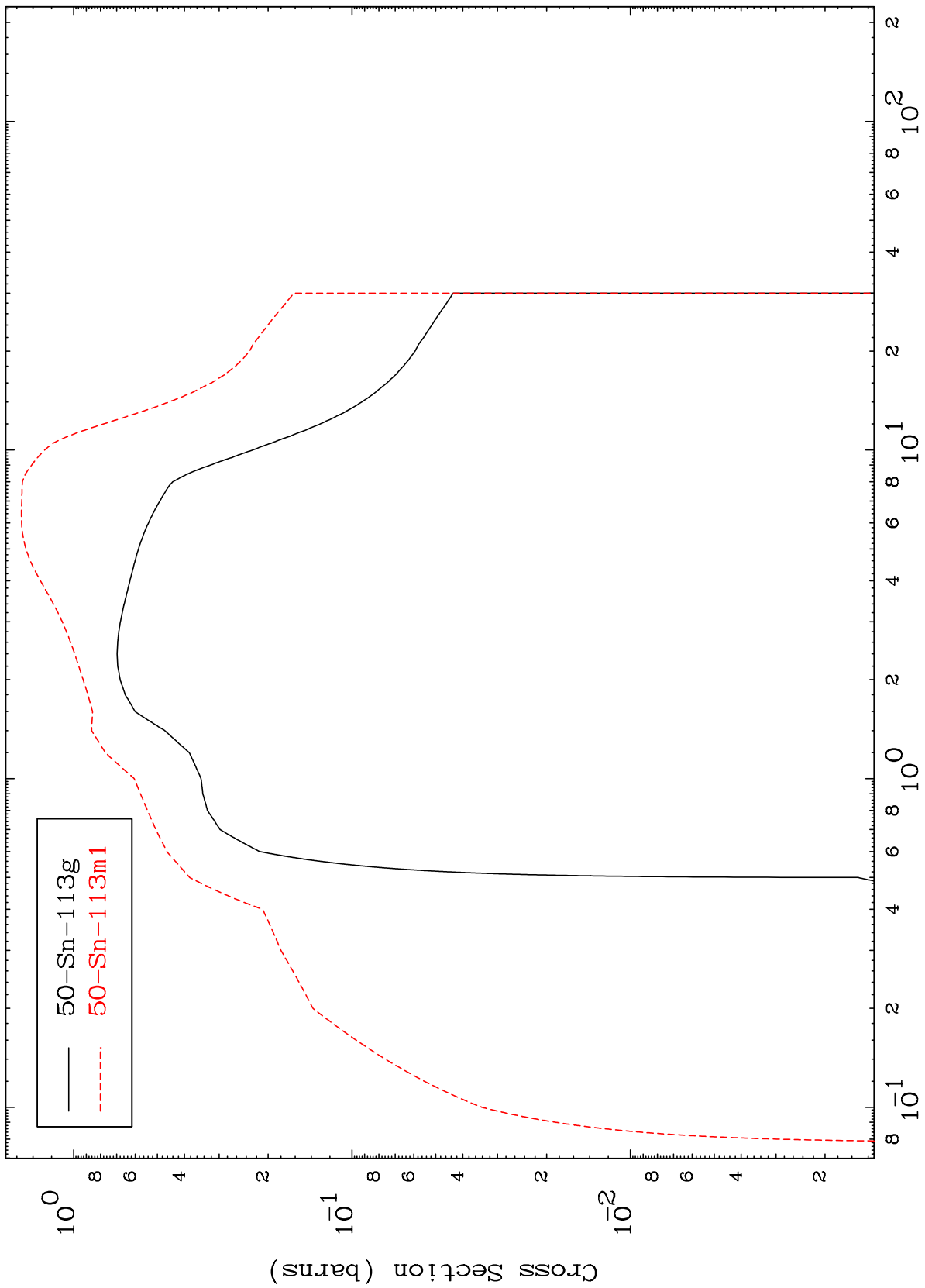




MAT 5028

50-Sn-113

Inelastic  
Radionuclide Production Cross Section



— 50-Sn-113g  
- - - 50-Sn-113m1

50-Sn-113

Incident Energy (MeV)

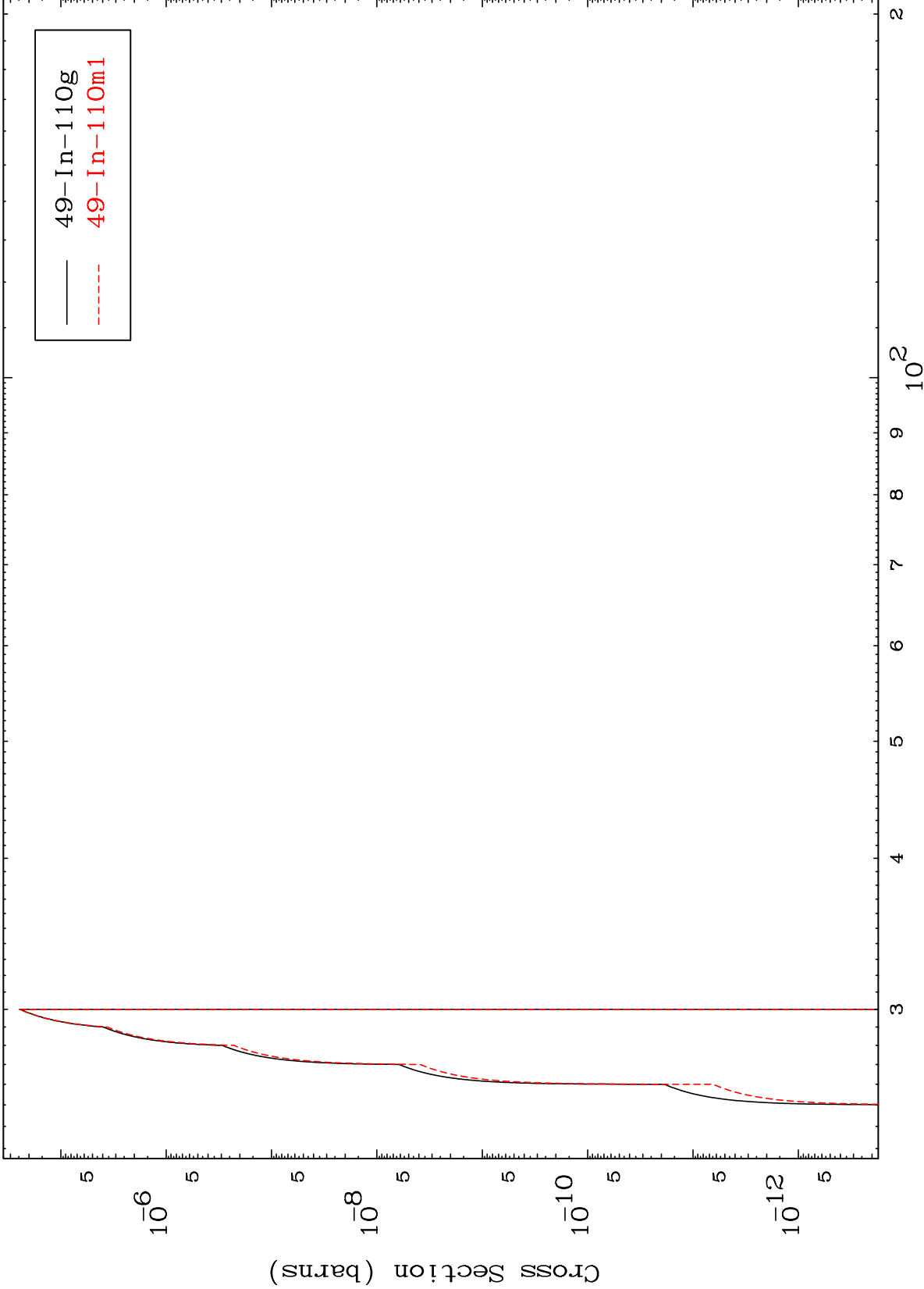
67

MAT 5028

(n,2n) d

50-Sn-113

Radionuclide Production Cross Section



68

Incident Energy (MeV)

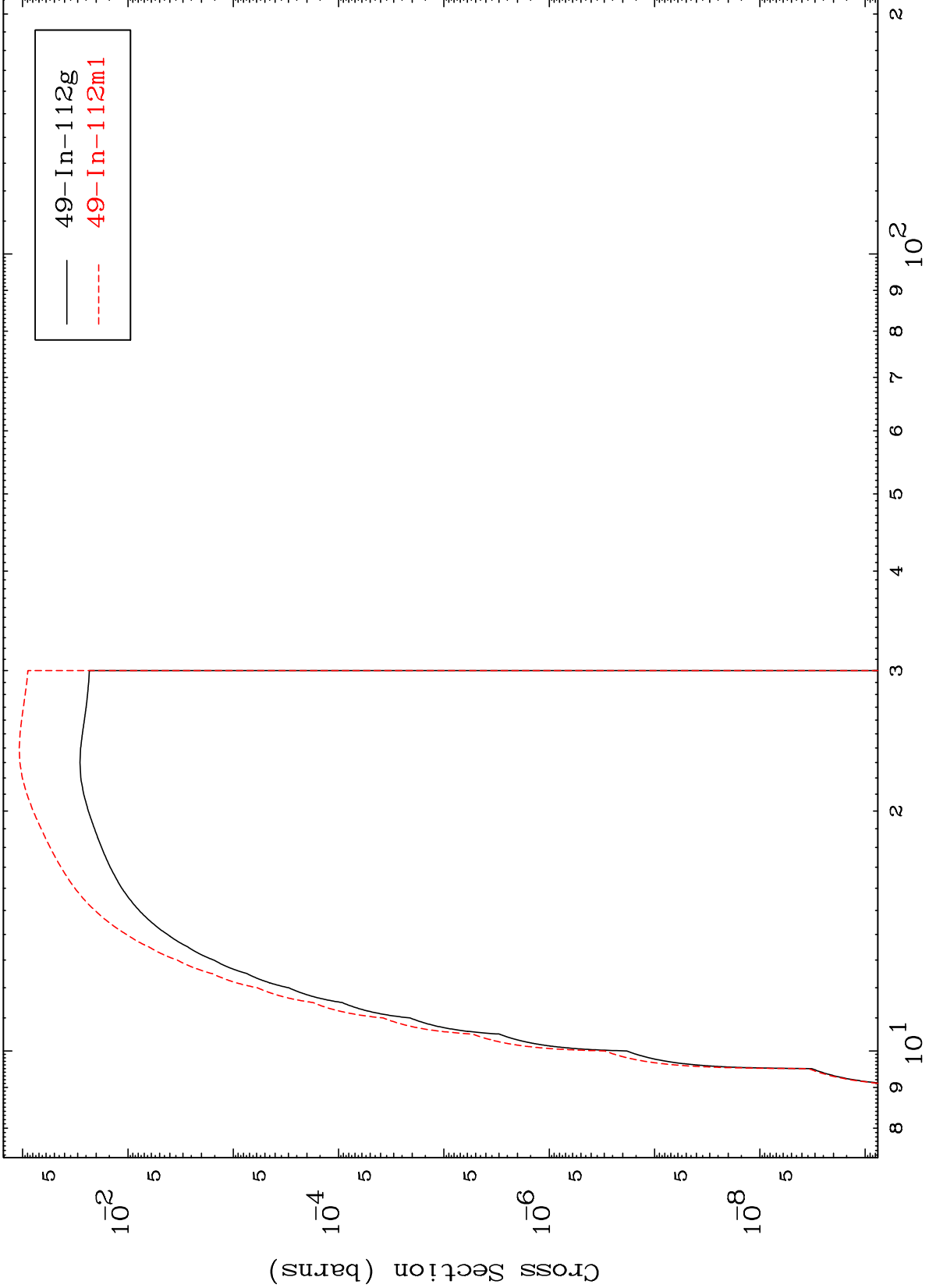
50-Sn-113

MAT 5028

(n,n') p

50-Sn-113

Radionuclide Production Cross Section



69

Incident Energy (MeV)

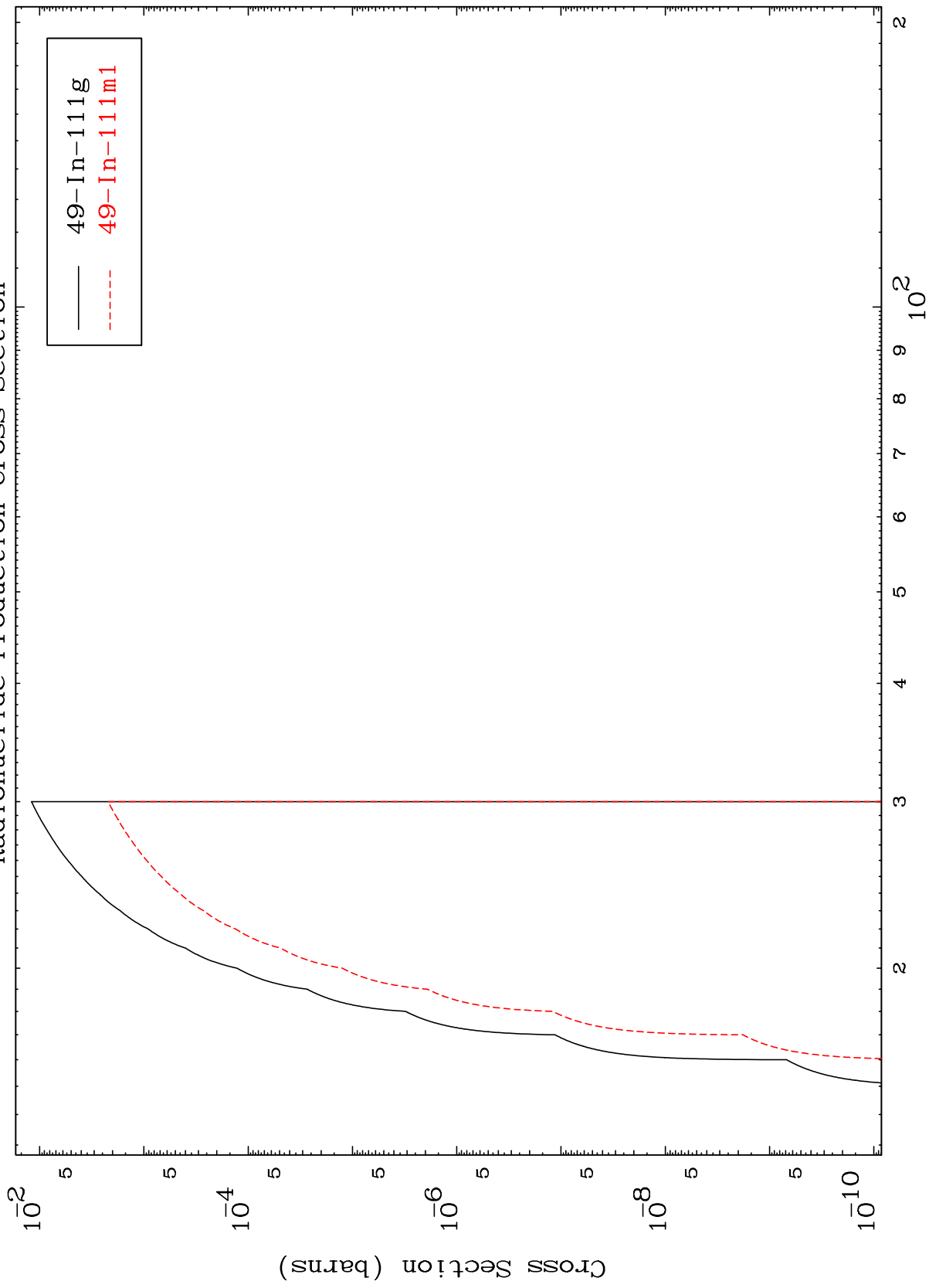
50-Sn-113

MAT 5028

(n,n') d

50-Sn-113

Radionuclide Production Cross Section

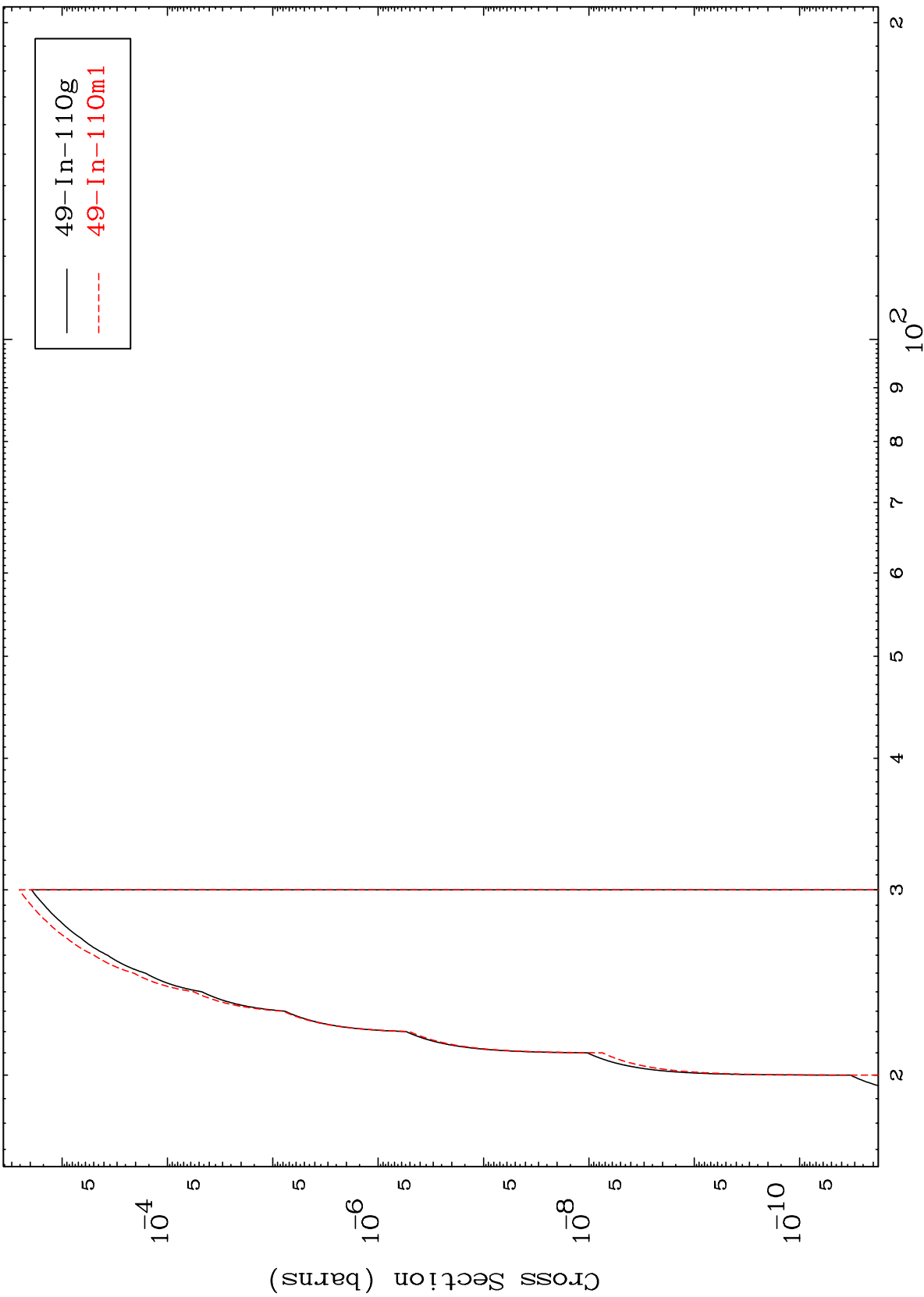


70

Incident Energy (MeV)

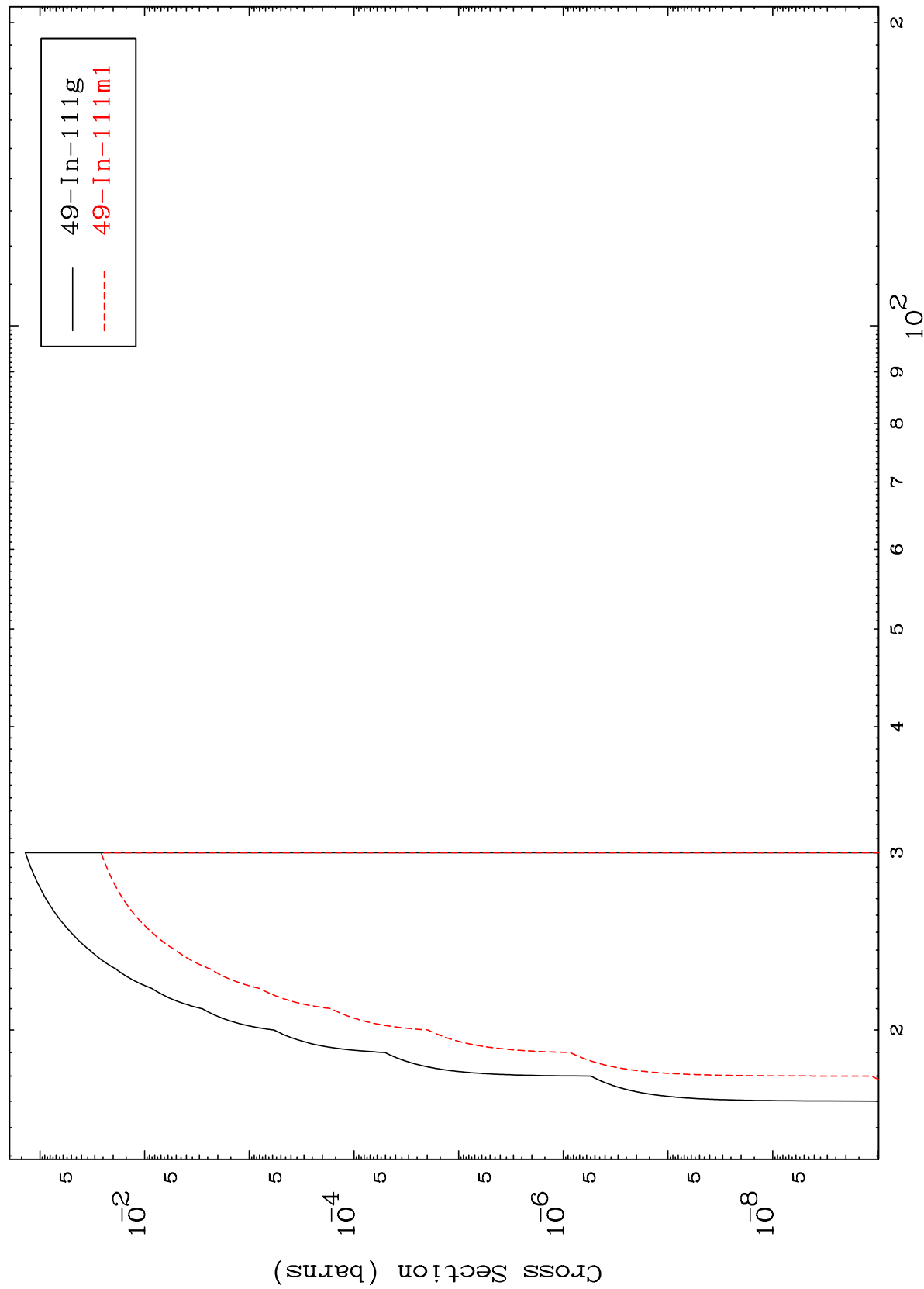
50-Sn-113

Radionuclide Production Cross Section





Radionuclide Production Cross Section

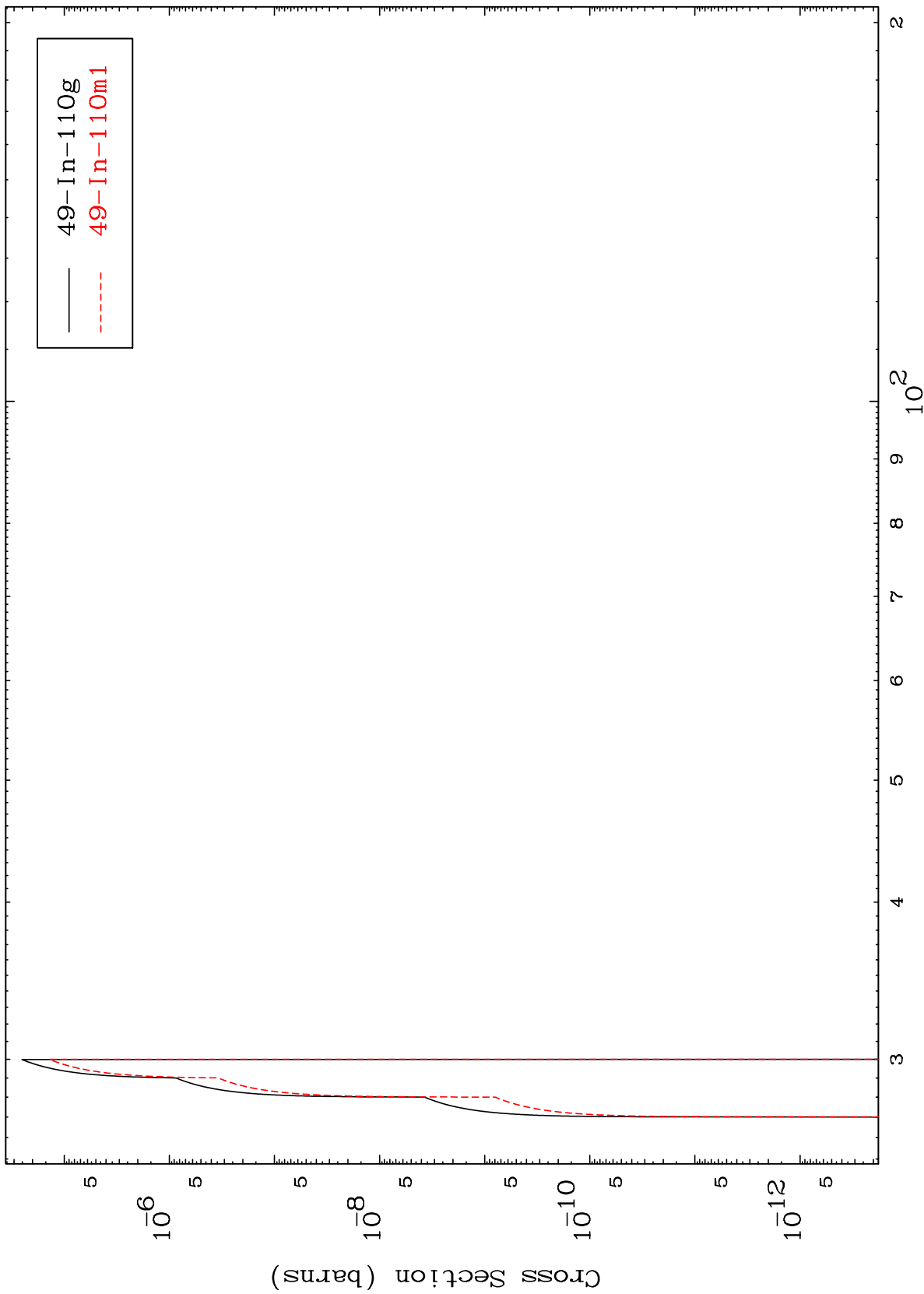


49-In-111g  
49-In-111m1

MAT 5028

50-Sn-113

(n,3n) p  
Radionuclide Production Cross Section



73

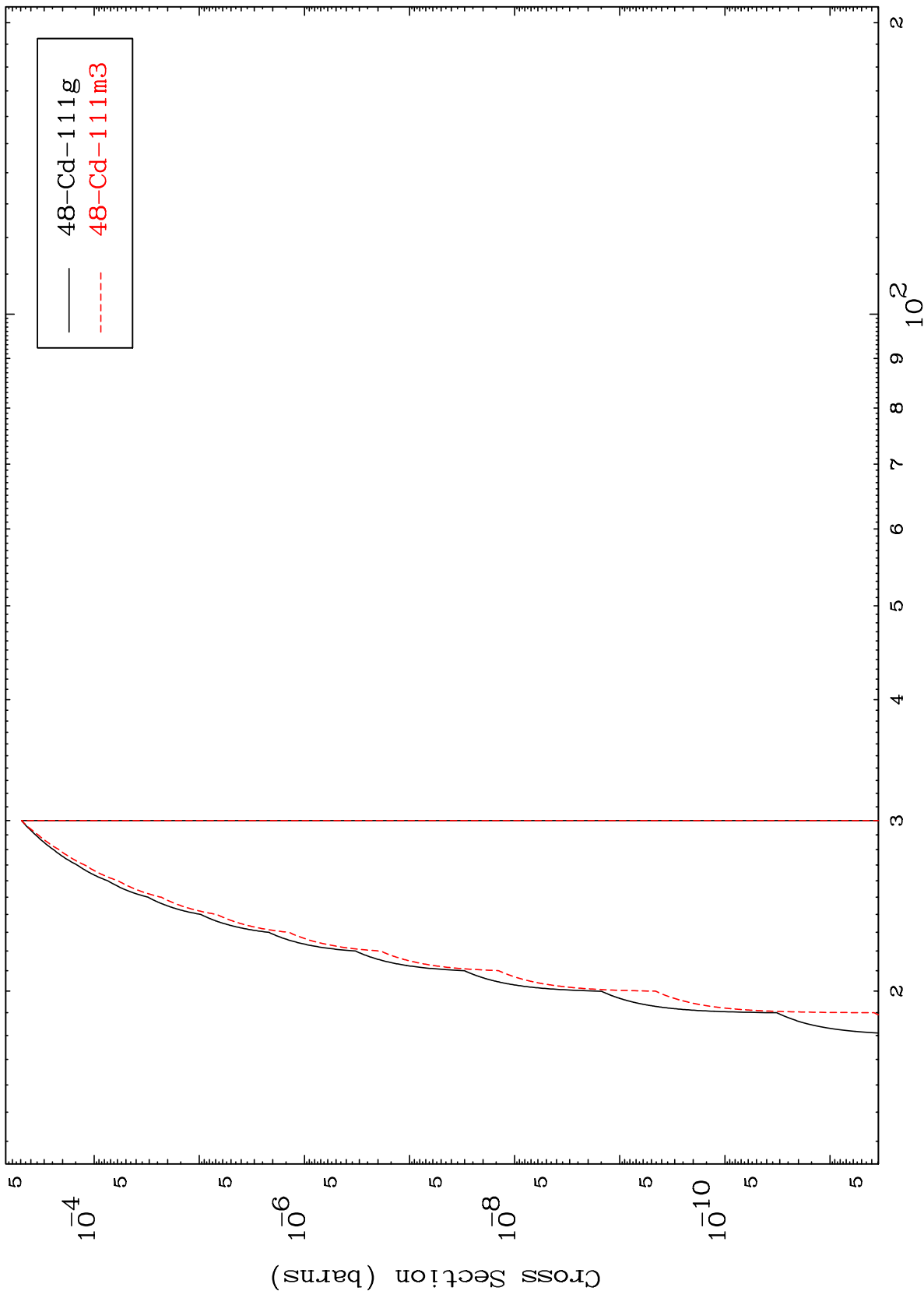
50-Sn-113

Incident Energy (MeV)

MAT 5028

50-Sn-113

(n,2n) p  
Radionuclide Production Cross Section

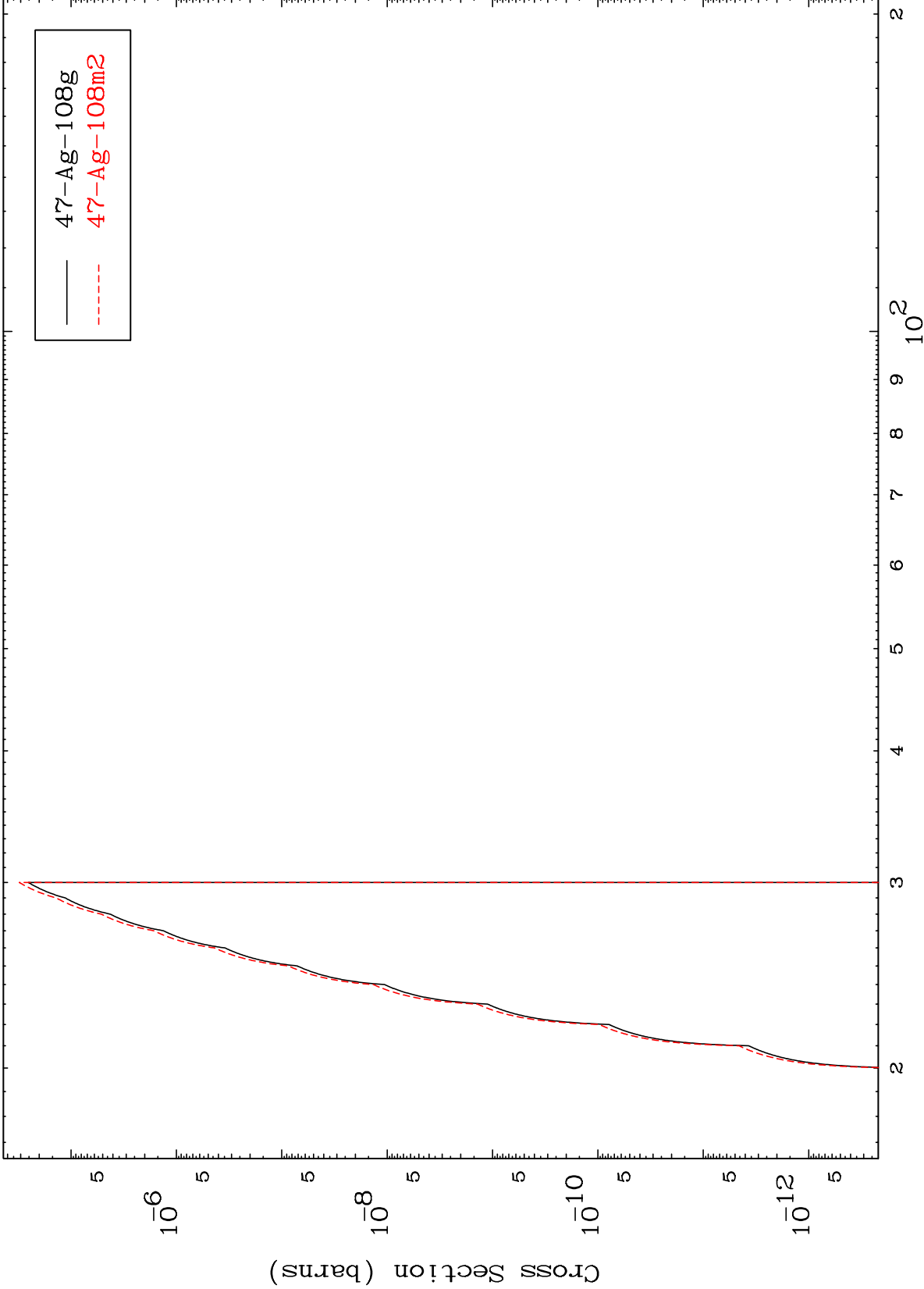


74

Incident Energy (MeV)

50-Sn-113

Radionuclide Production Cross Section



MAT 5028

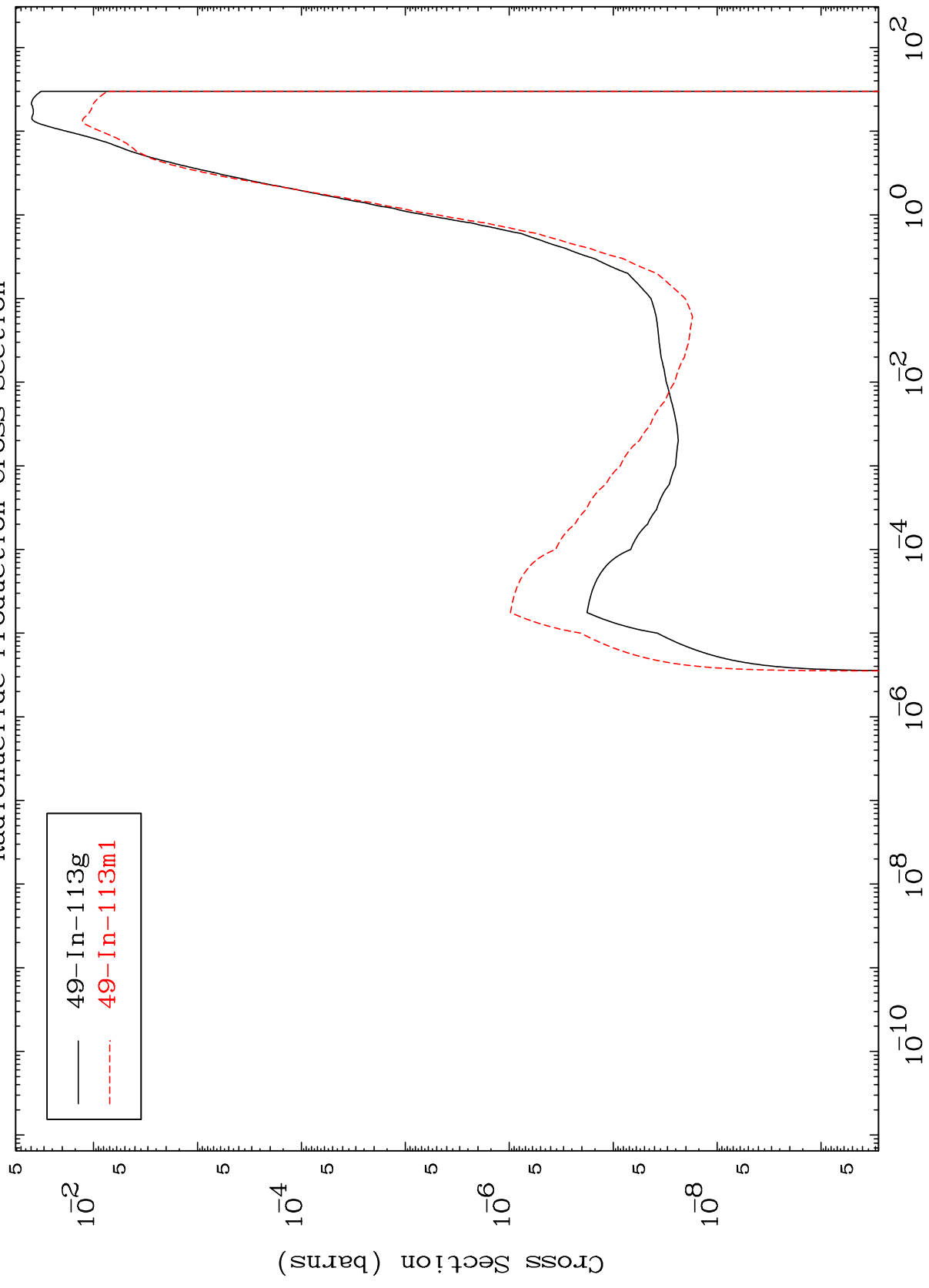
50-Sn-113

50-Sn-113

Incident Energy (MeV)

76

Radionuclide Production Cross Section (n,p)

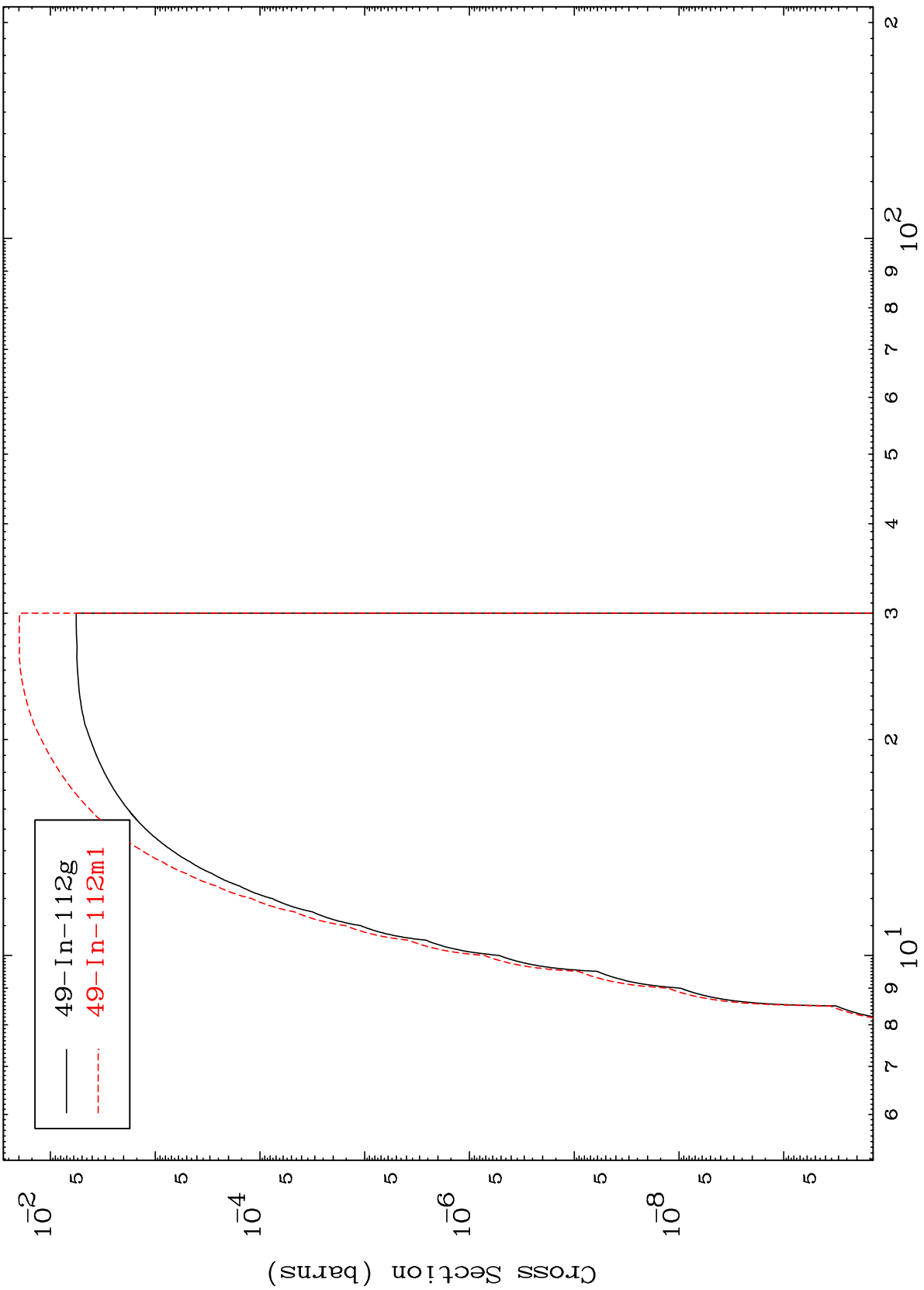


— 49-In-113g  
- - - 49-In-113m1

MAT 5028

50-Sn-113

(n,d)  
Radionuclide Production Cross Section



— 49-In-112g  
- - - 49-In-112m1

77

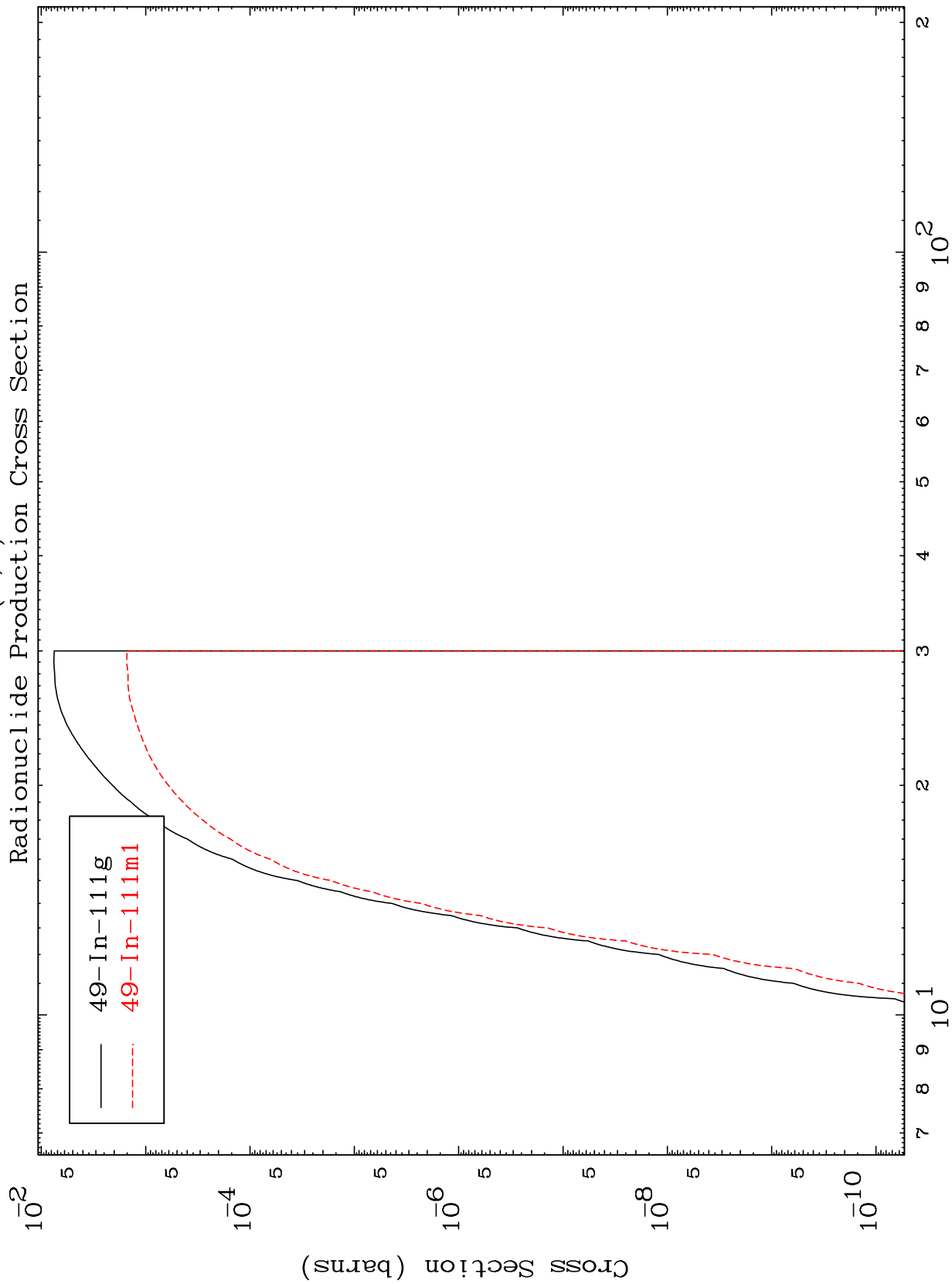
Incident Energy (MeV)

50-Sn-113

MAT 5028

50-Sn-113

(n, t)  
Radionuclide Production Cross Section



78

Incident Energy (MeV)

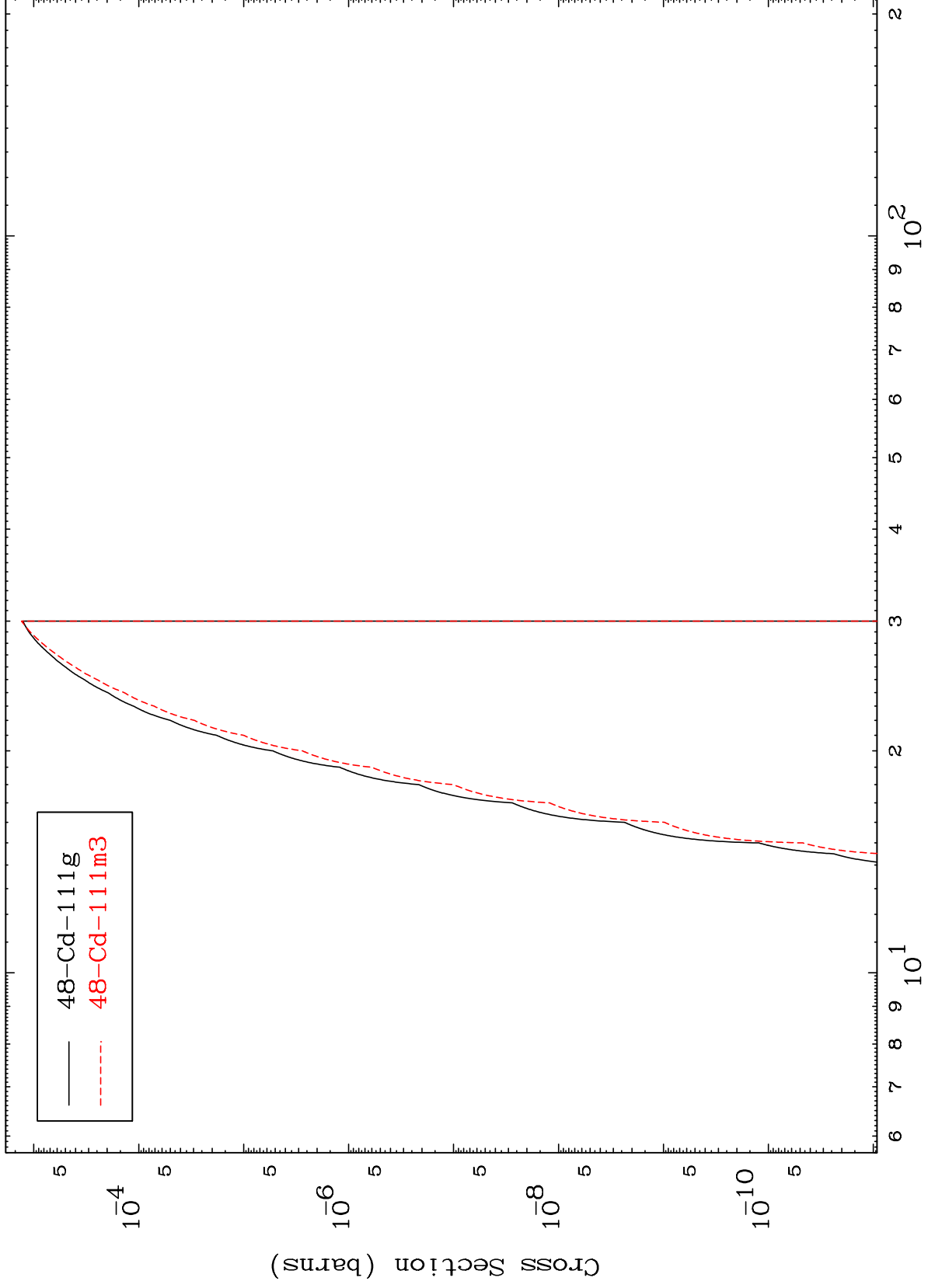
50-Sn-113

MAT 5028

(n,He-3)

50-Sn-113

Radionuclide Production Cross Section



79

Incident Energy (MeV)

50-Sn-113

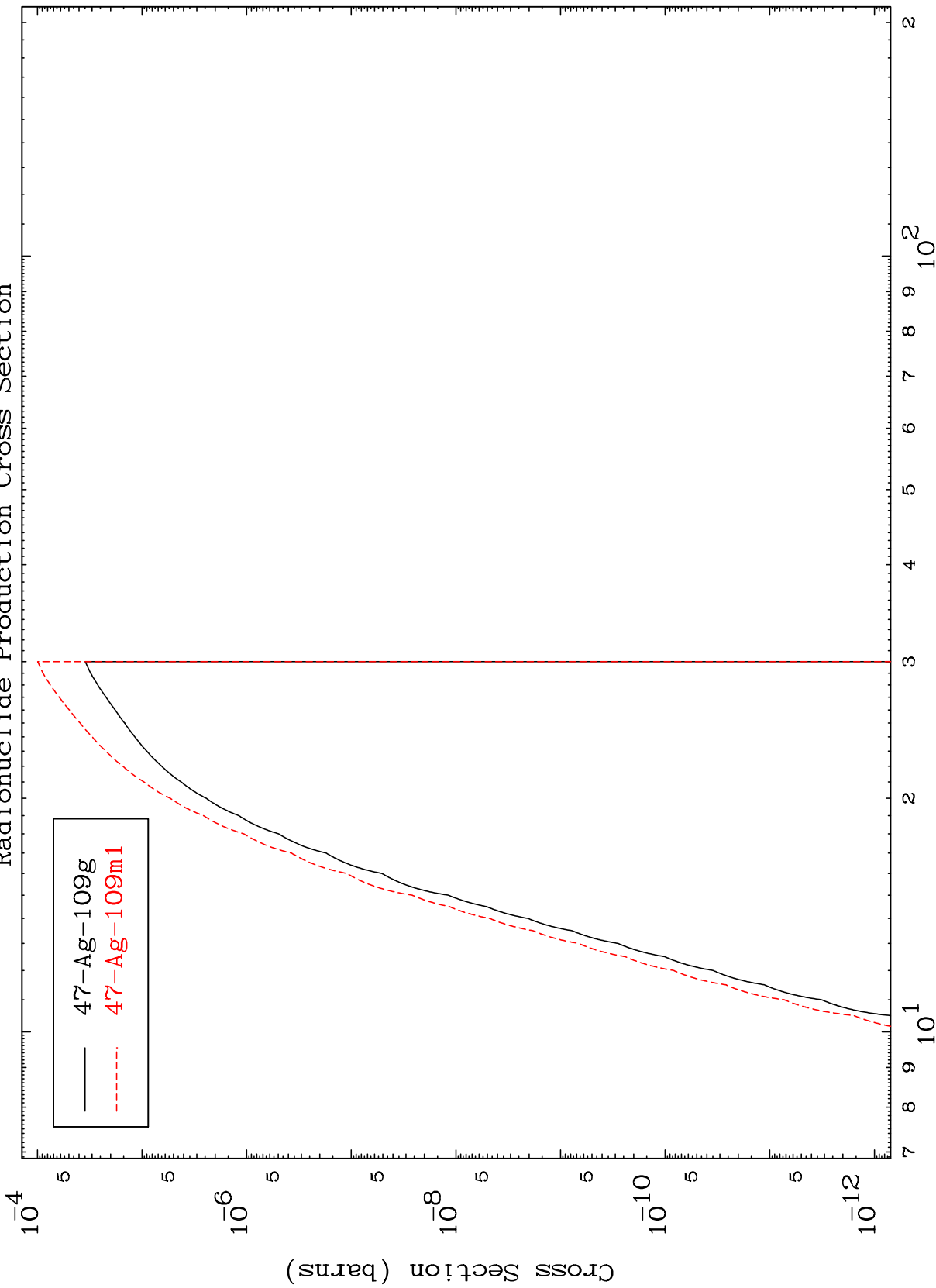


MAT 5028

50-Sn-113

(n,p)  $\alpha$

Radionuclide Production Cross Section



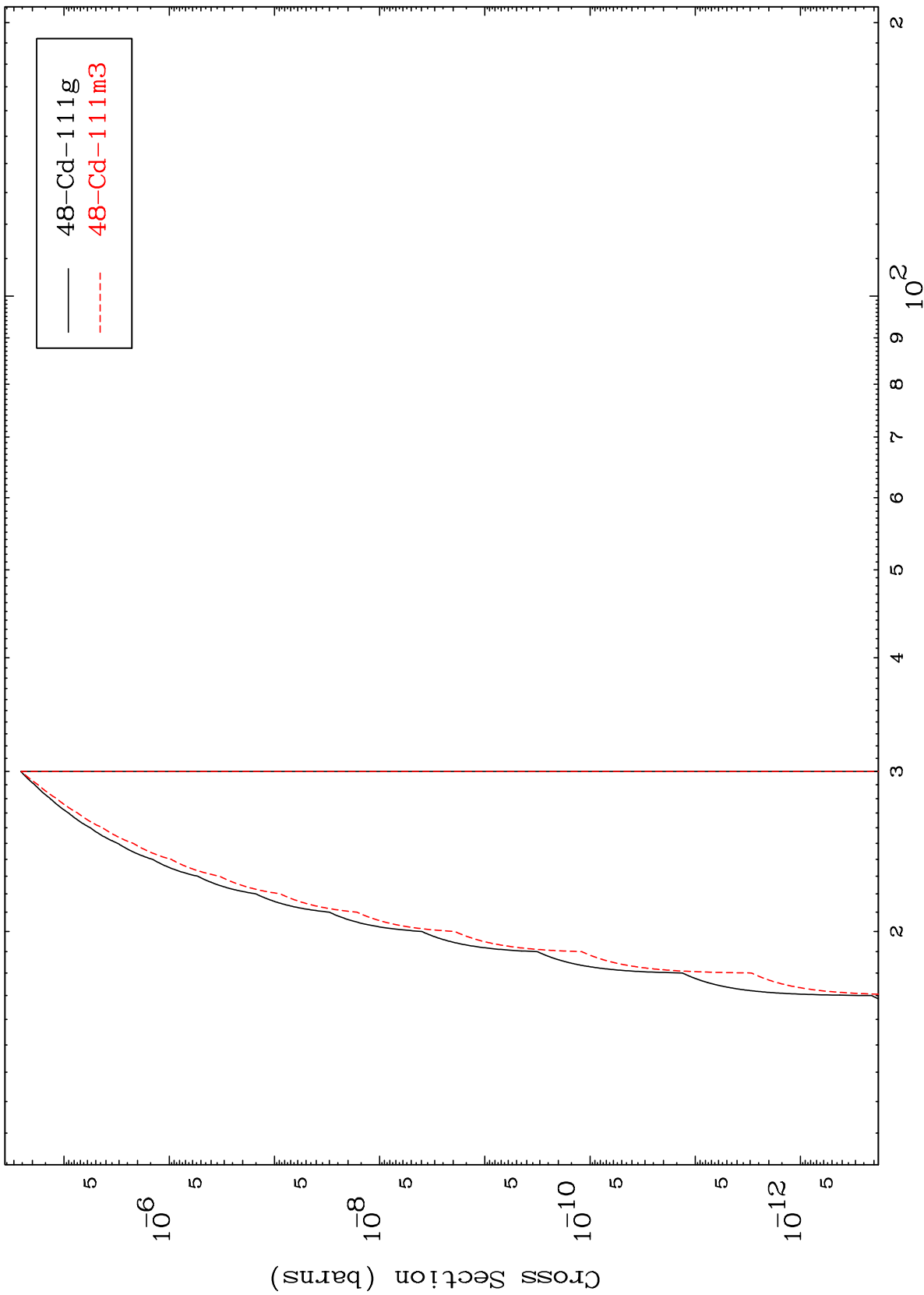
— 47-Ag-109g  
- - - 47-Ag-109m1

80

Incident Energy (MeV)

50-Sn-113

Radionuclide Production Cross Section

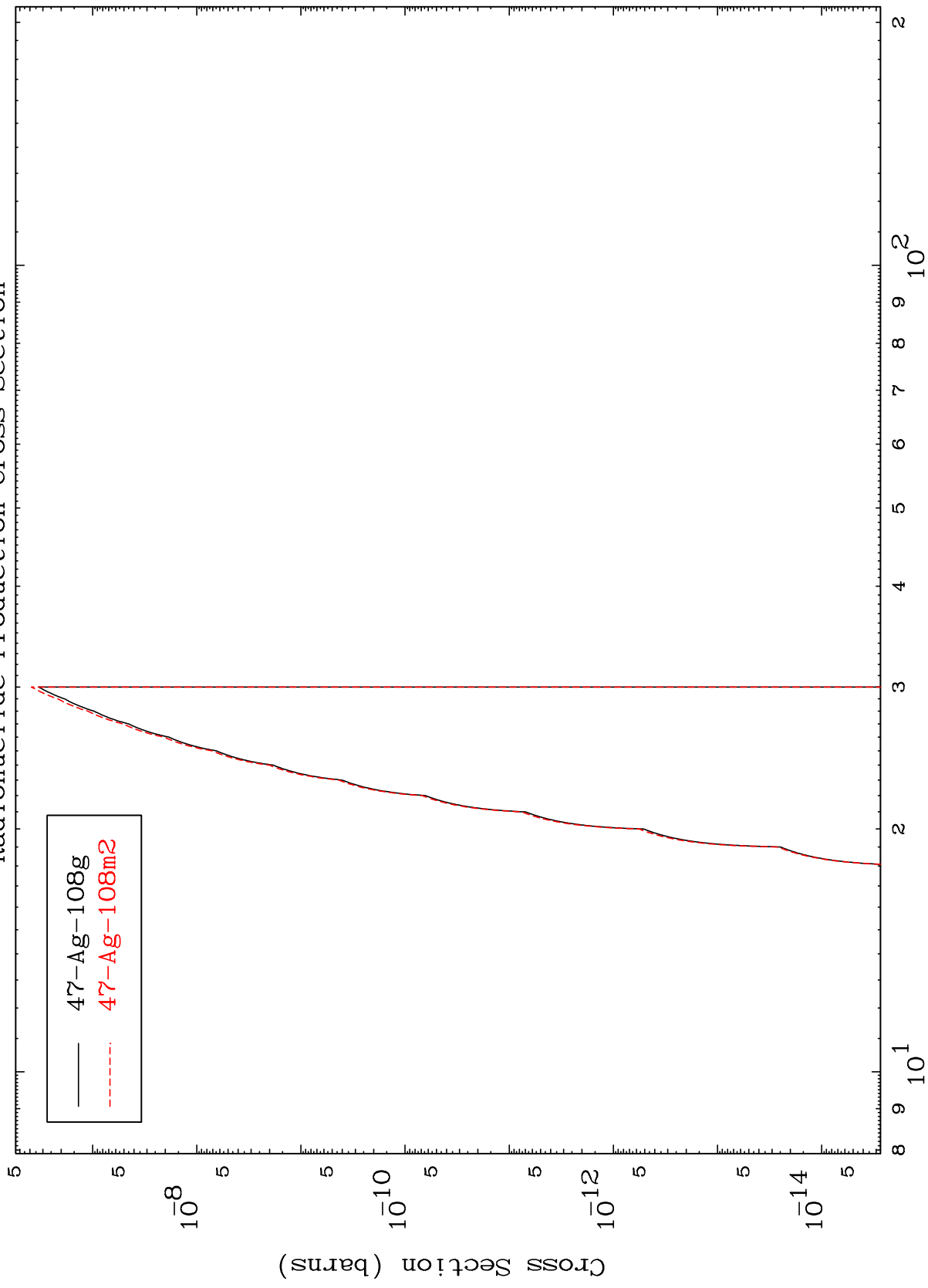


MAT 5028

50-Sn-113

(n,d)  $\alpha$

Radionuclide Production Cross Section



82

Incident Energy (MeV)

50-Sn-113