

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

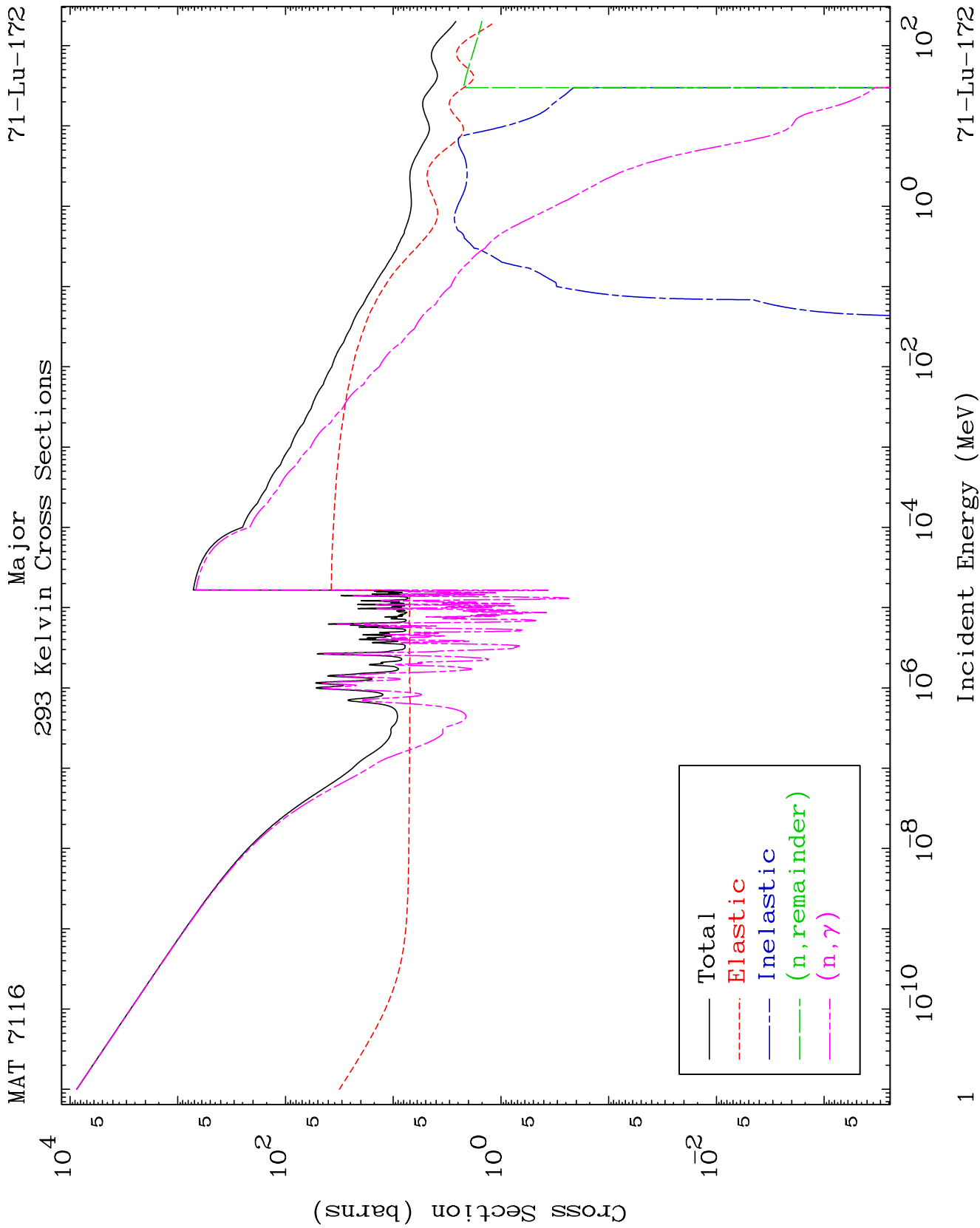
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

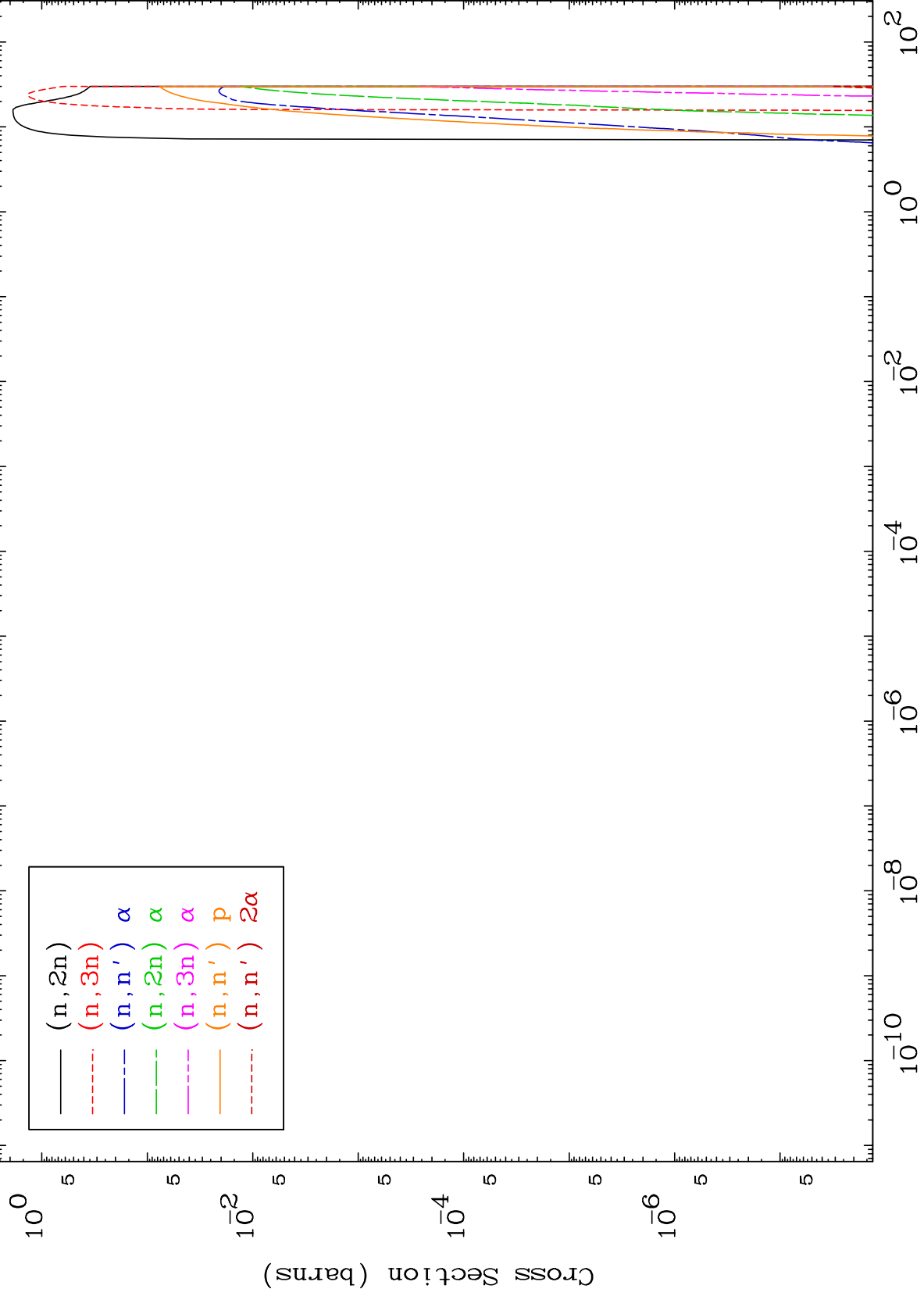
Press Mouse Button to Start



MAT 7116

Neutron Production  
293 Kelvin Cross Sections

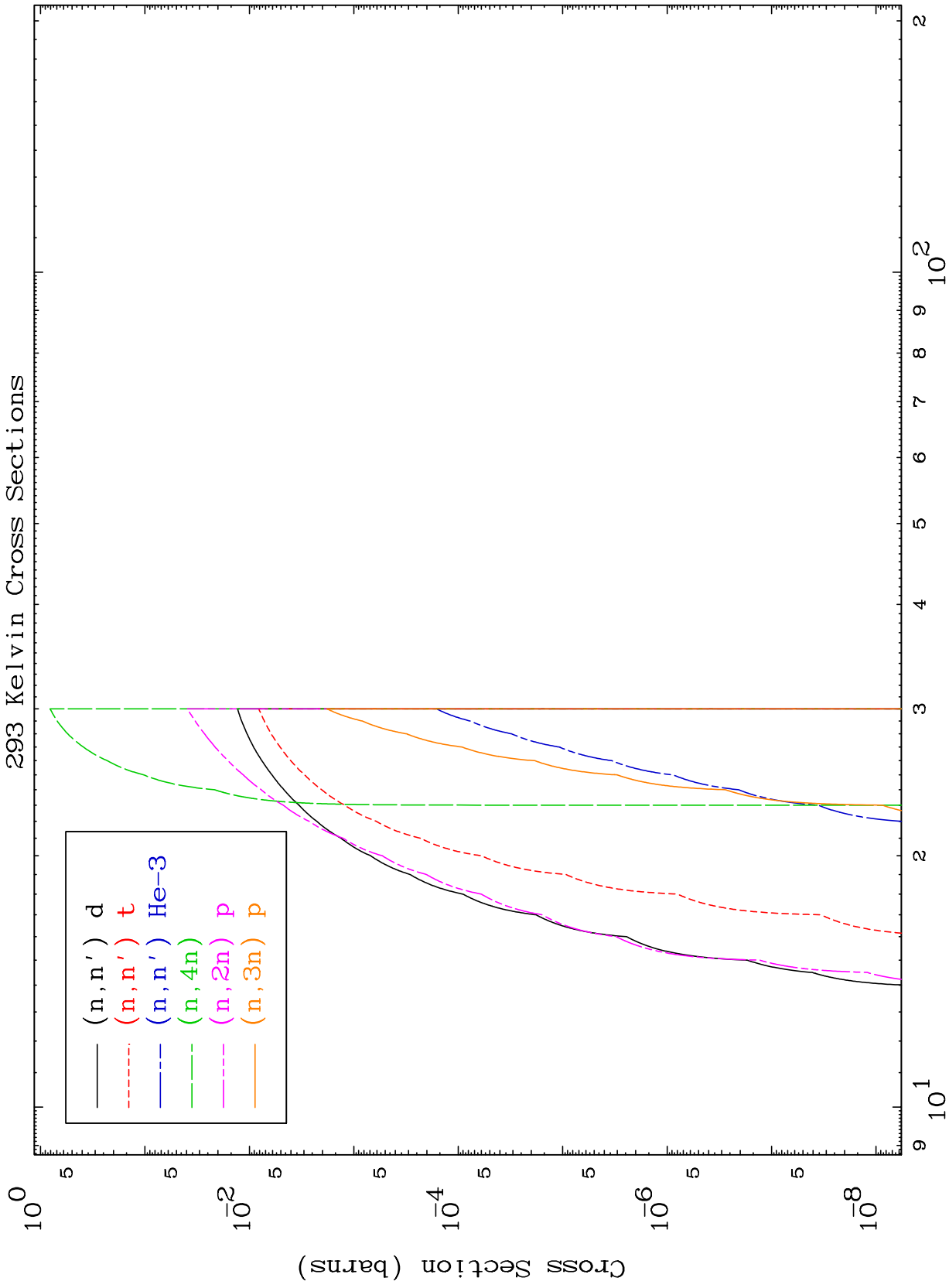
71-Lu-172



MAT 7116

Neutron Production  
293 Kelvin Cross Sections

71-Lu-172



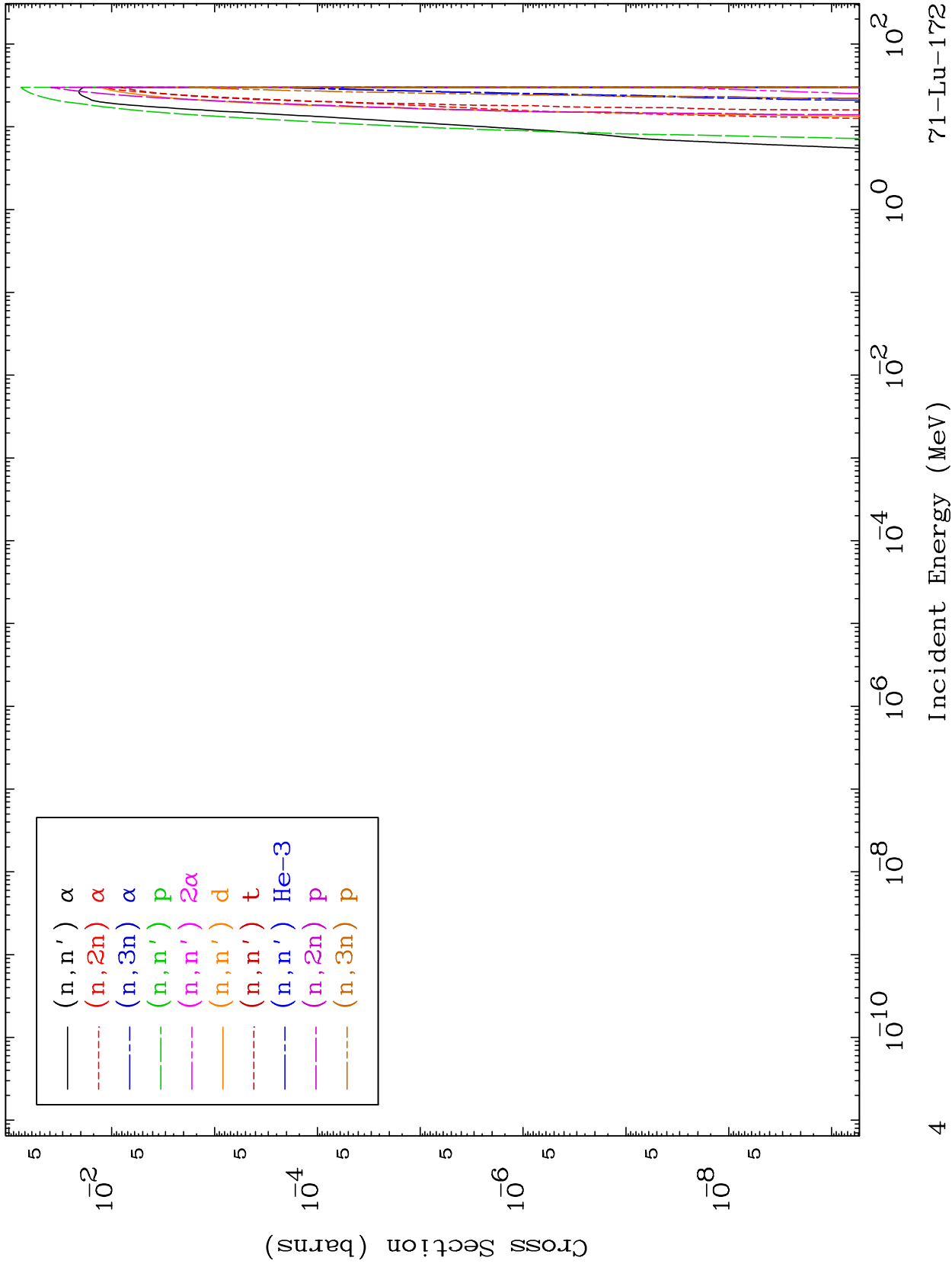
Incident Energy (MeV)

71-Lu-172

MAT 7116

Charged Particle  
293 Kelvin Cross Sections

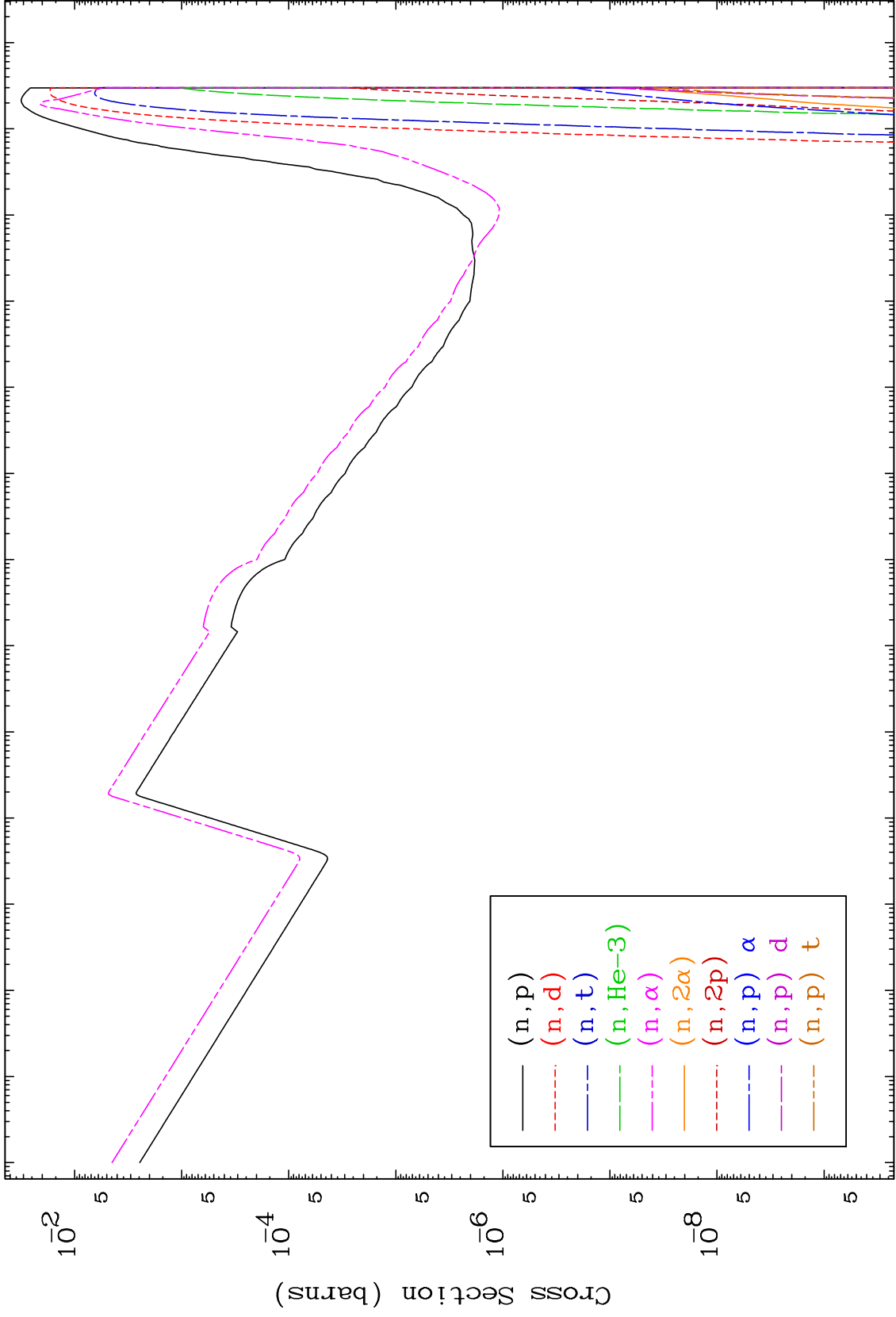
71-Lu-172

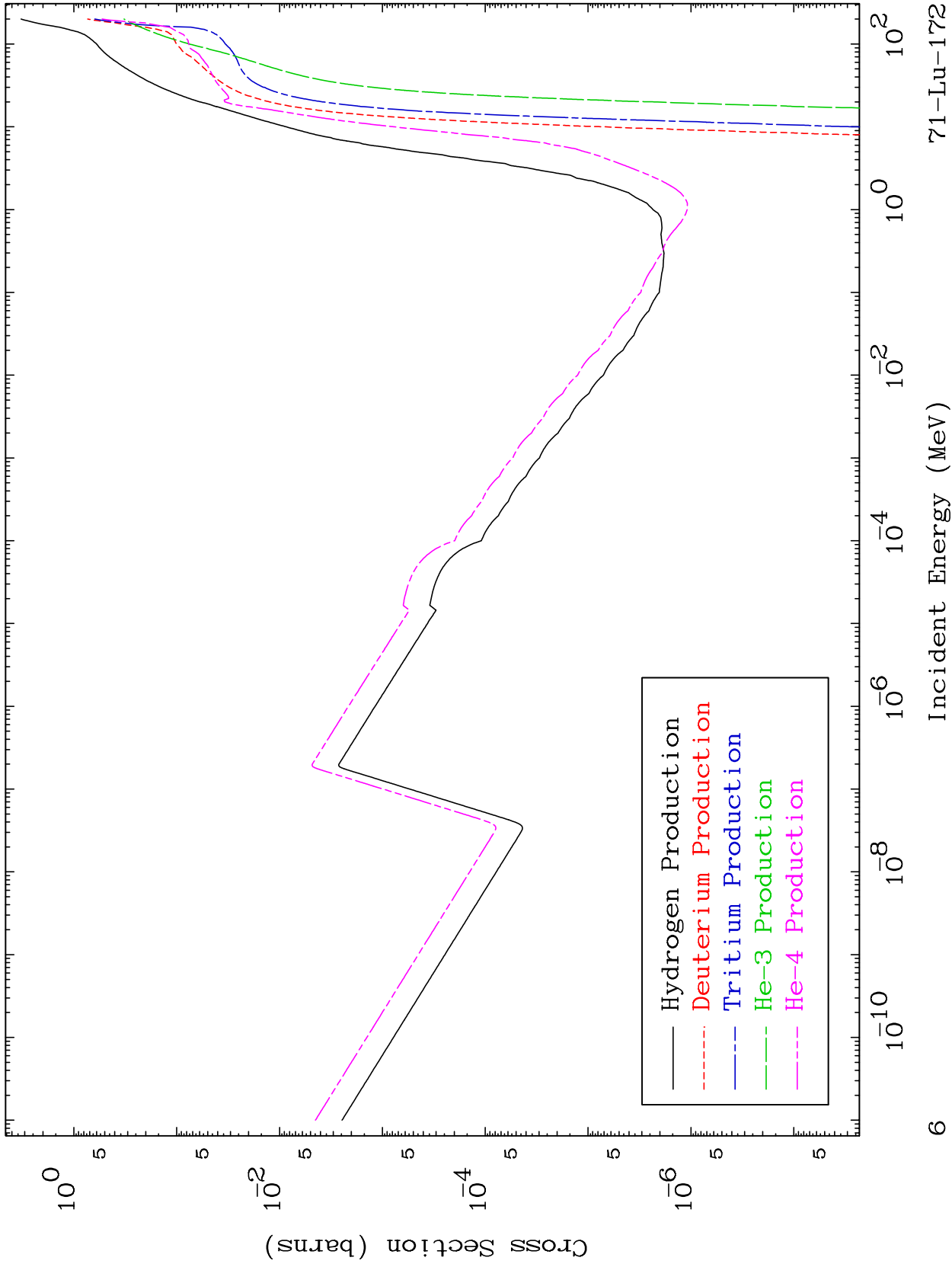


MAT 7116

Charged Particle  
293 Kelvin Cross Sections

71-Lu-172



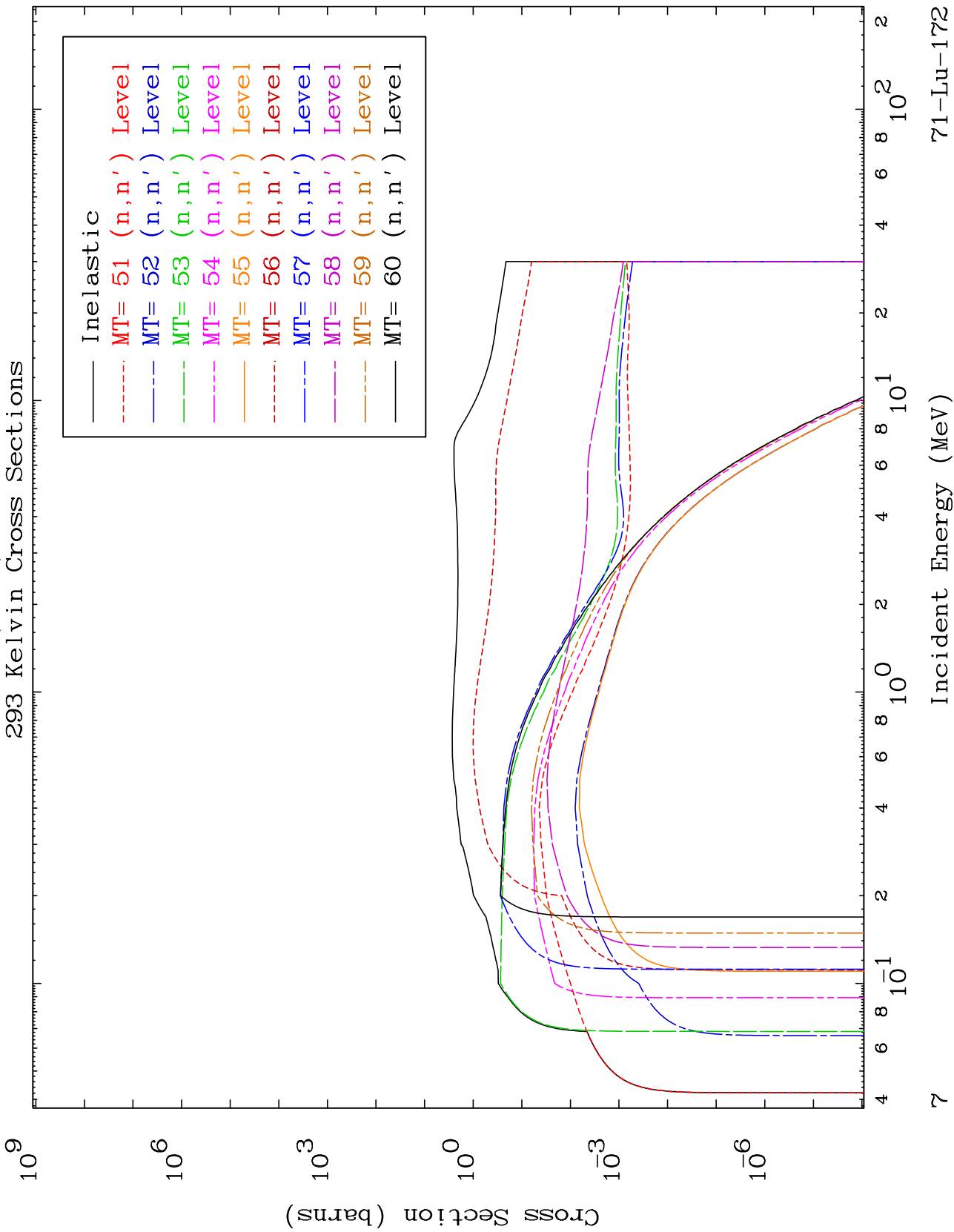


MAT 7116

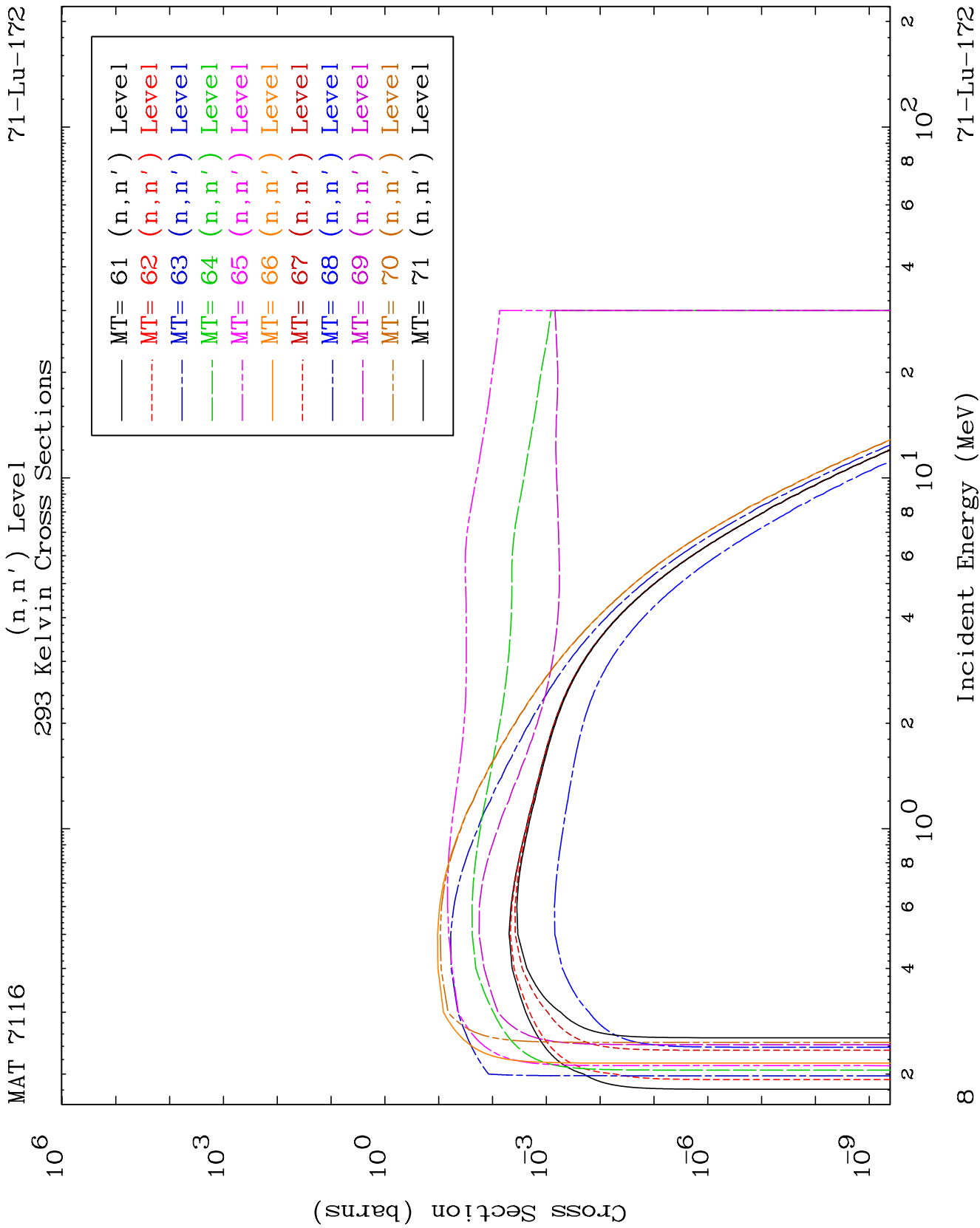
(n,n') Level

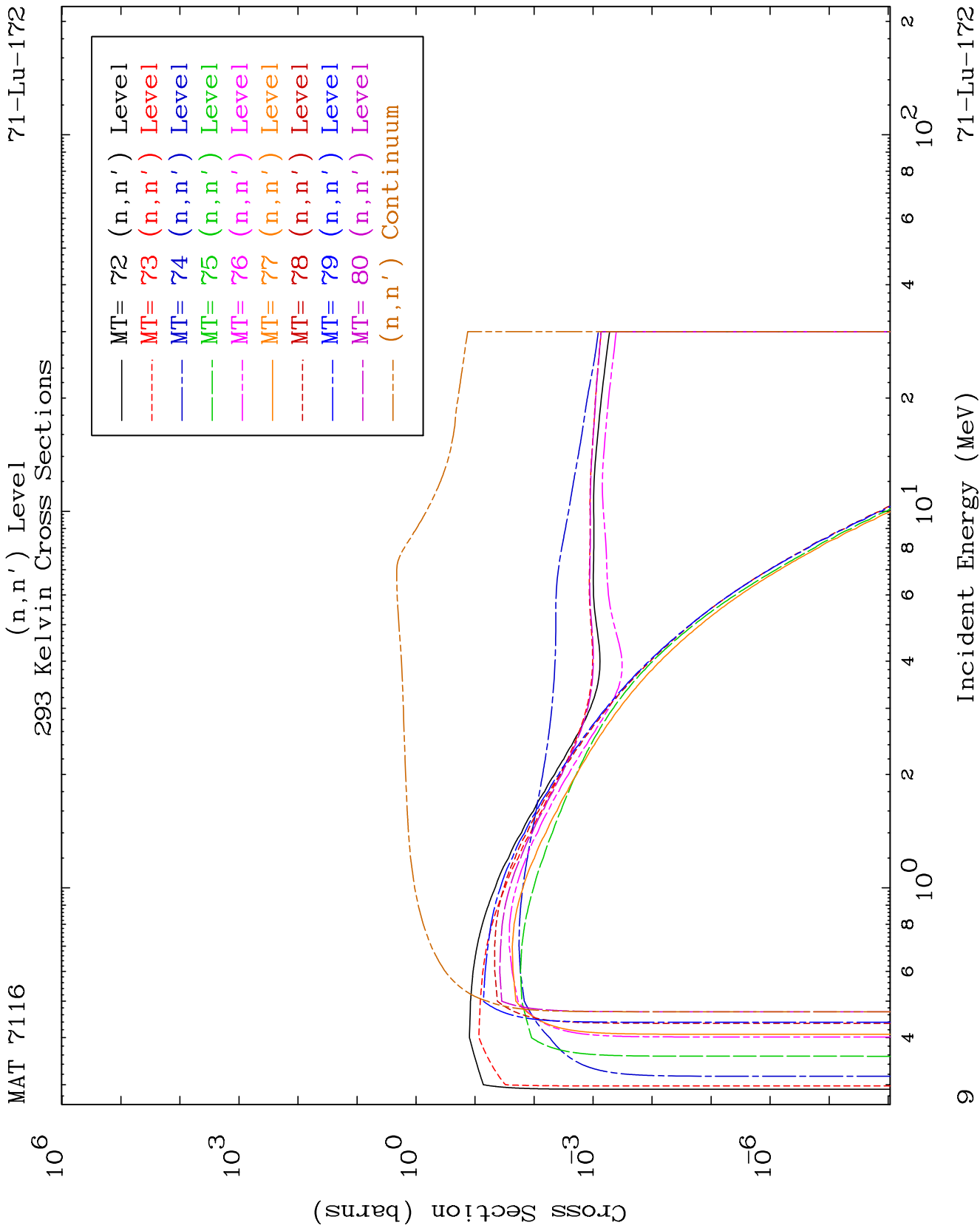
71-Lu-172

293 Kelvin Cross Sections





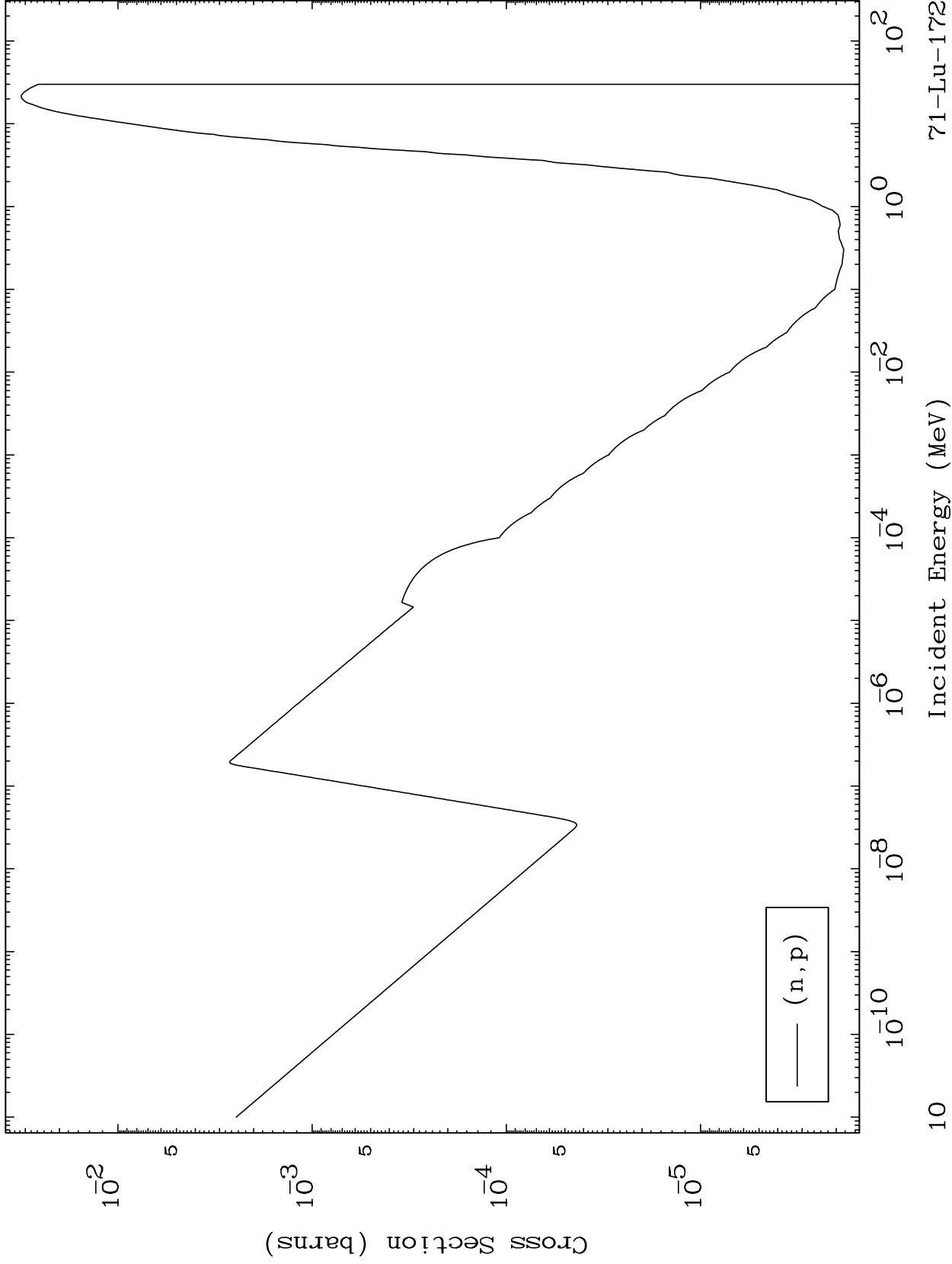




MAT 7116

(n,p) Levels  
293 Kelvin Cross Sections

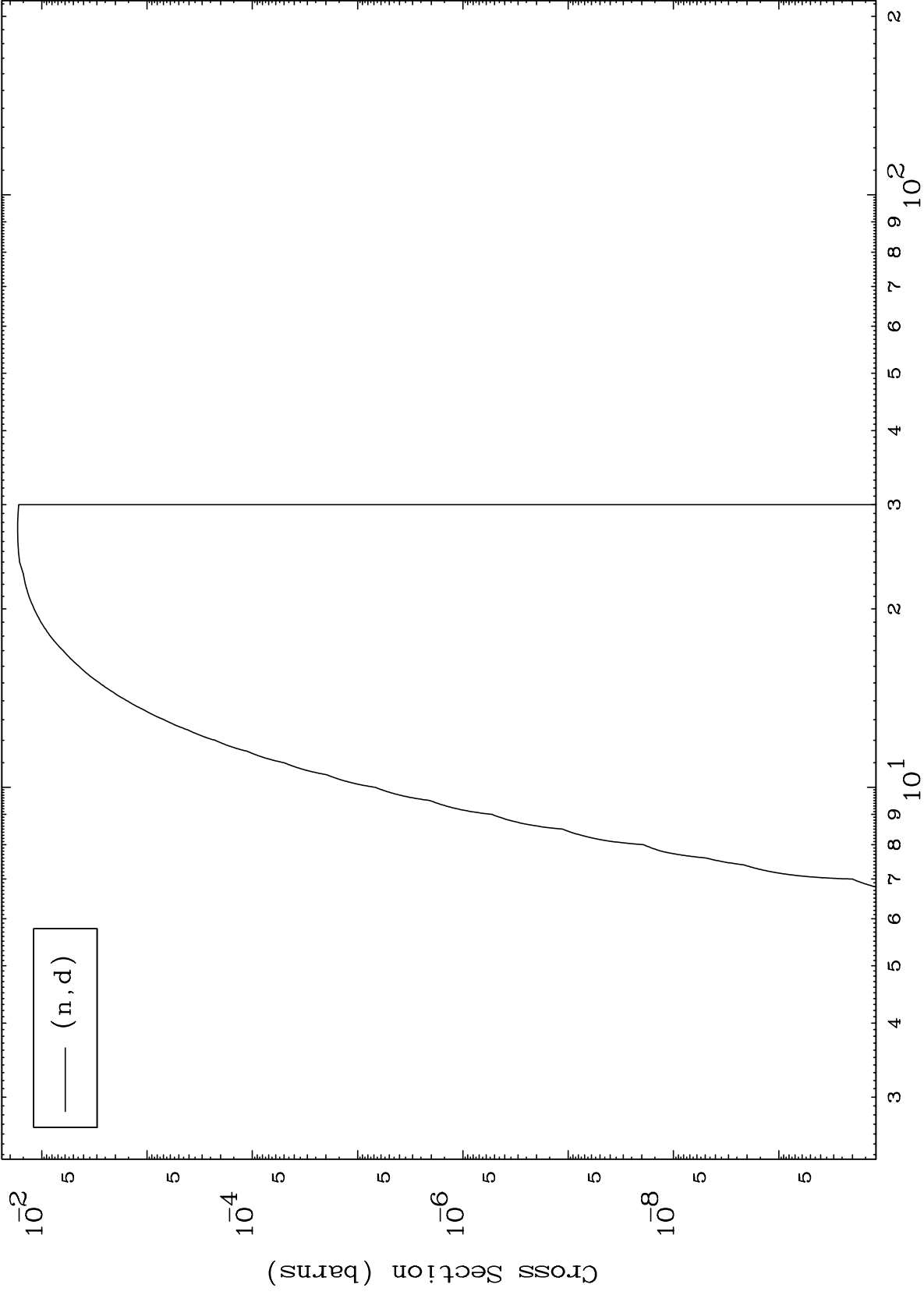
71-Lu-172



MAT 7116

(n,d) Levels  
293 Kelvin Cross Sections

71-Lu-172



11

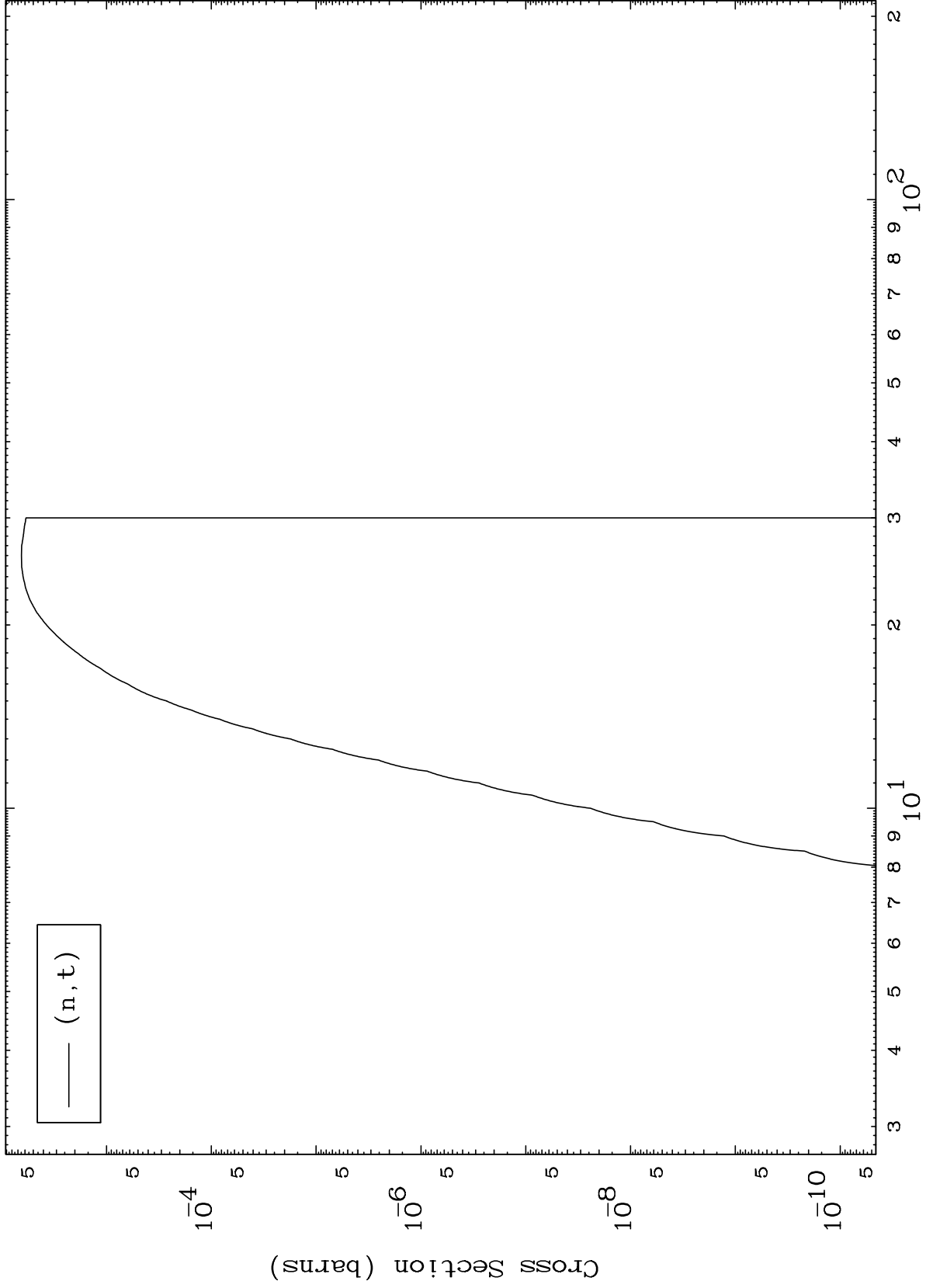
Incident Energy (MeV)

71-Lu-172

MAT 7116

(n,t) Levels  
293 Kelvin Cross Sections

71-Lu-172



12

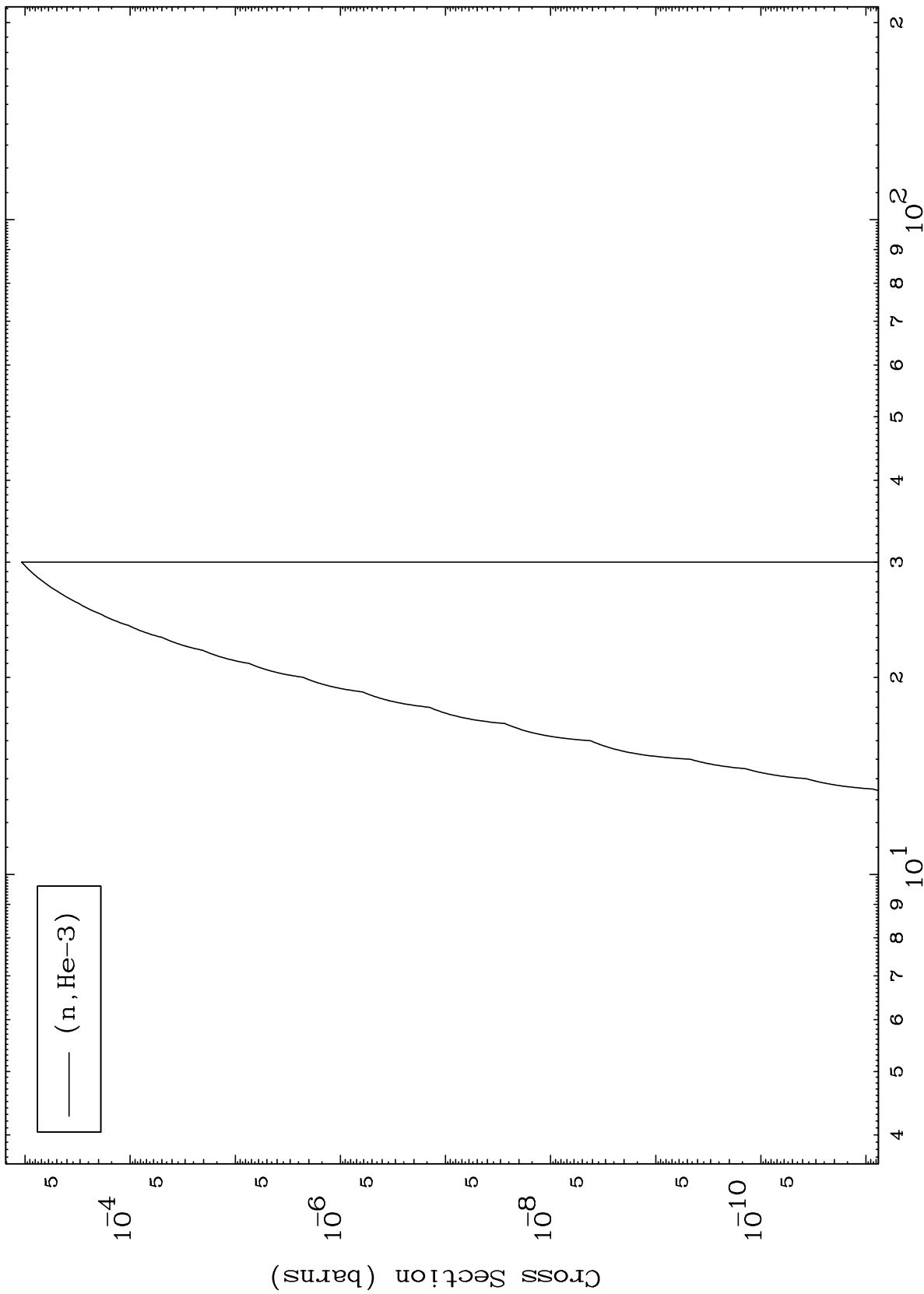
Incident Energy (MeV)

71-Lu-172

MAT 7116

(n,He3) Levels  
293 Kelvin Cross Sections

71-Lu-172



13

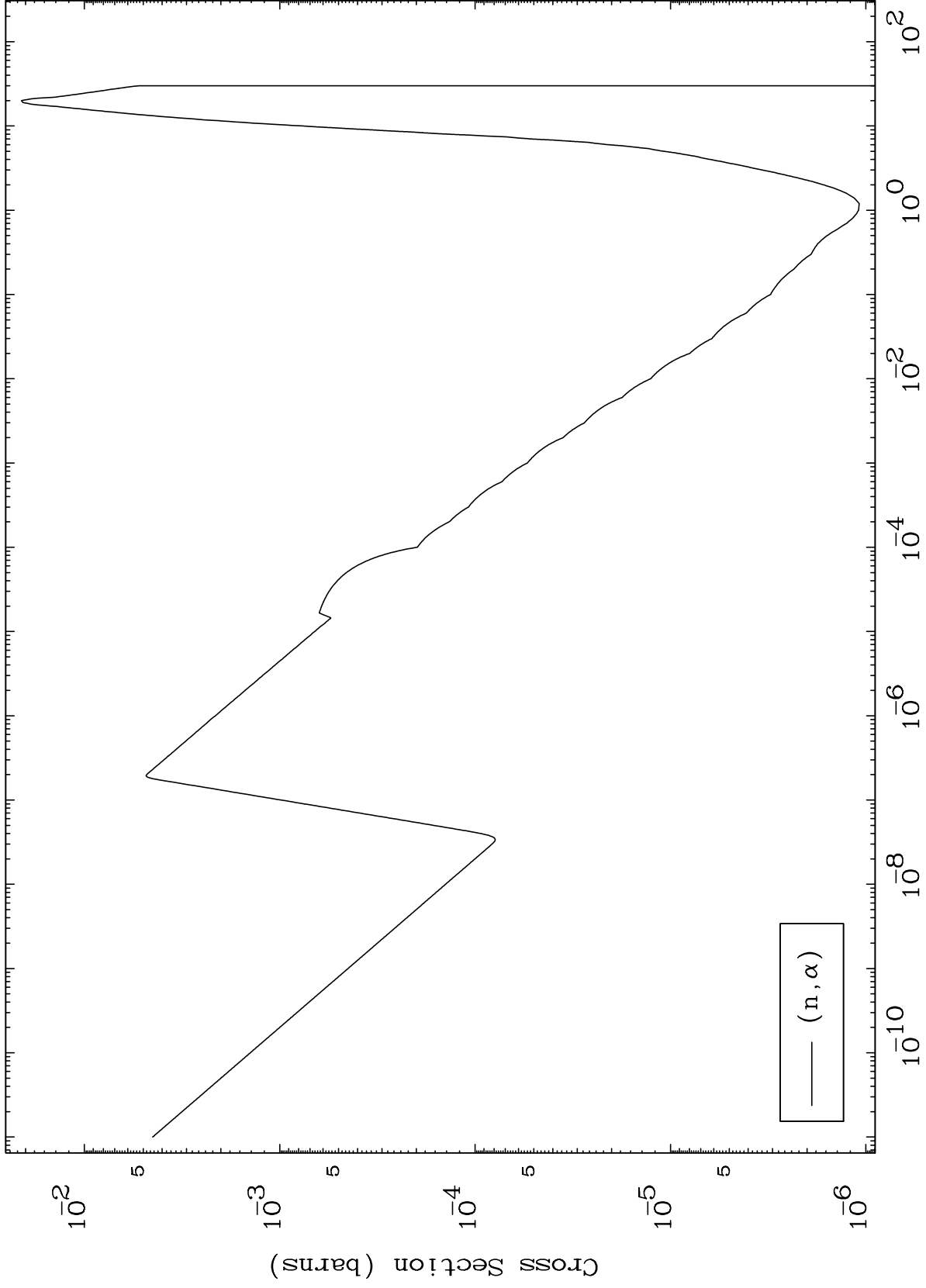
Incident Energy (MeV)

71-Lu-172

MAT 7116

(n,α) Levels  
293 Kelvin Cross Sections

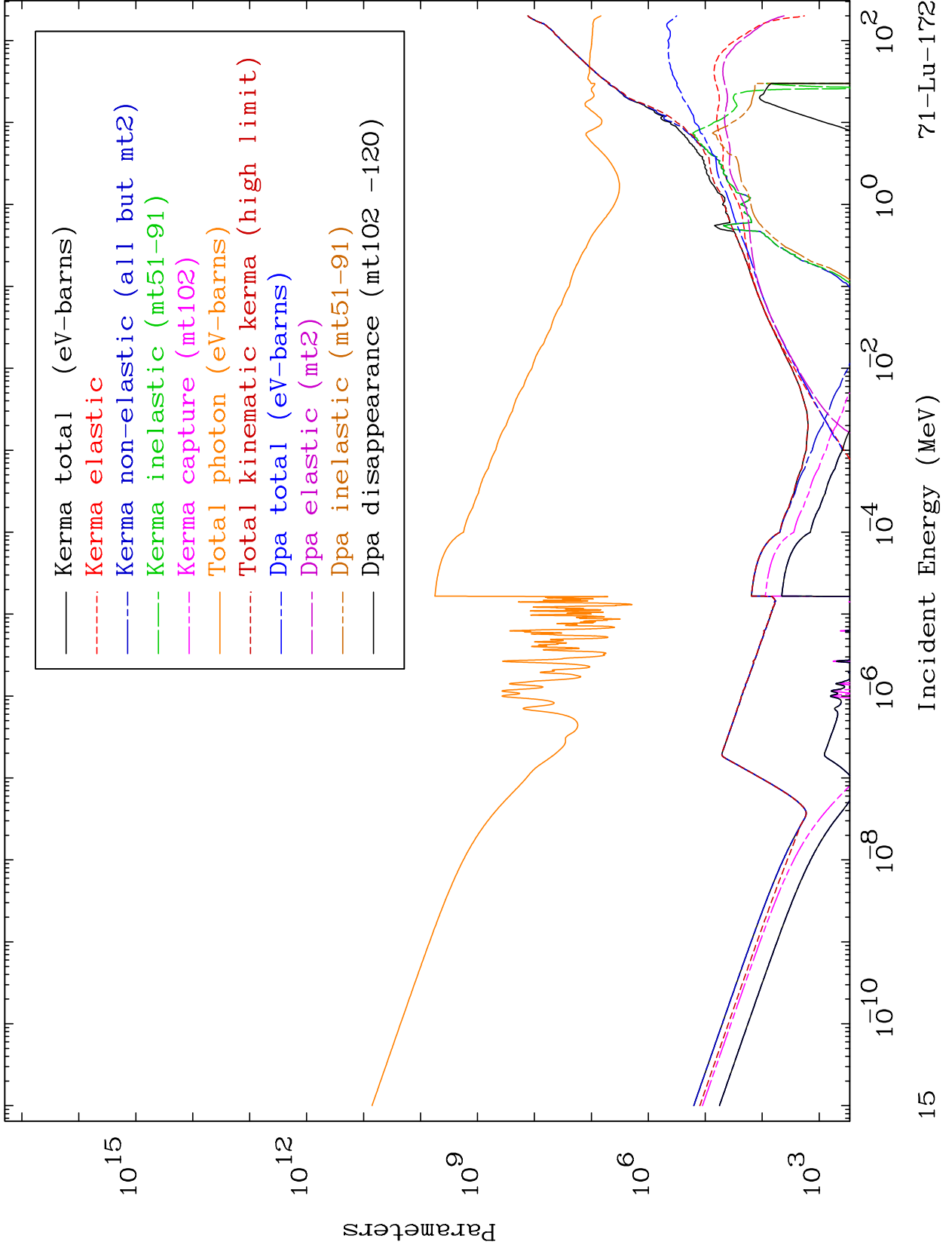
71-Lu-172



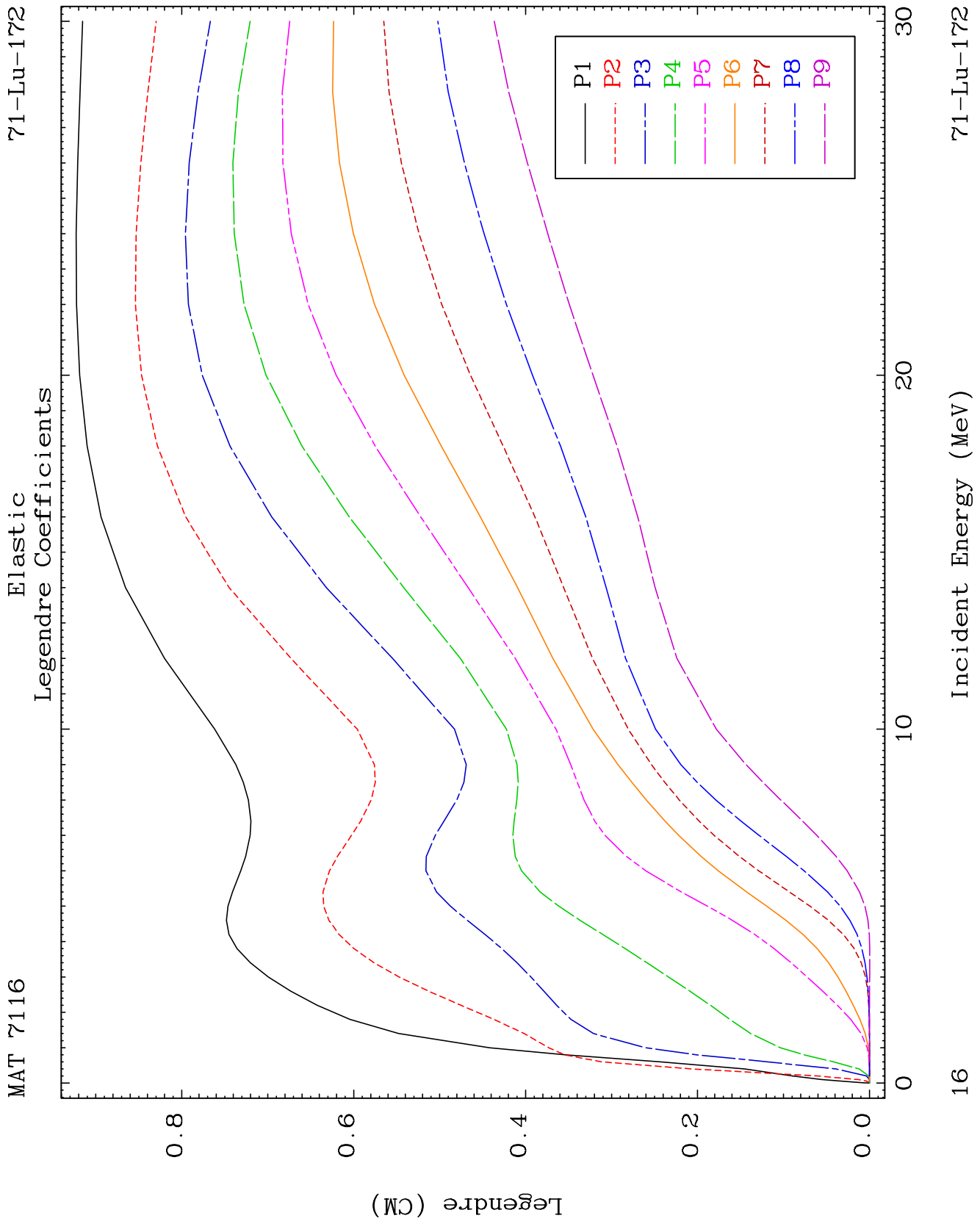
14

Incident Energy (MeV)

71-Lu-172





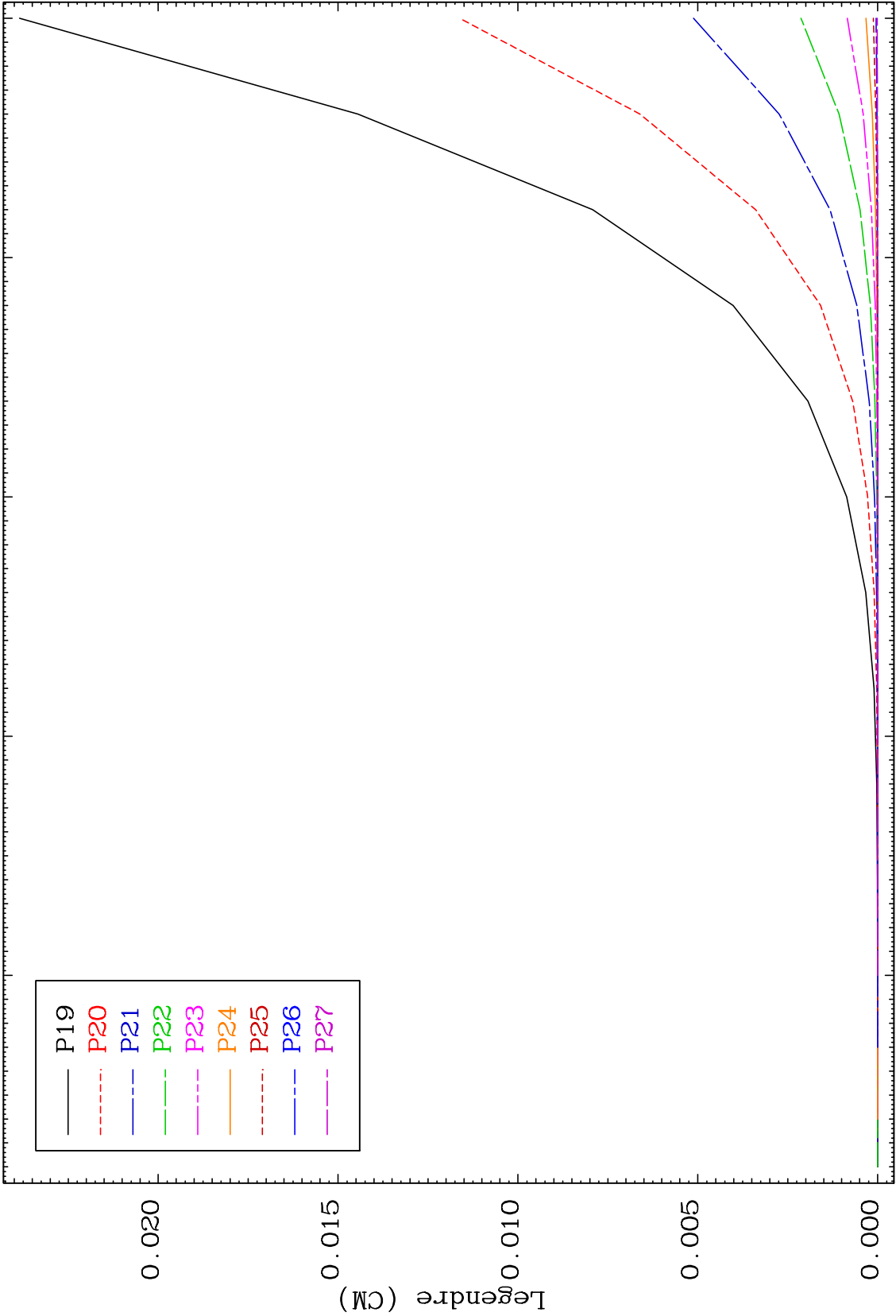




MAT 7116

### Elastic Legendre Coefficients

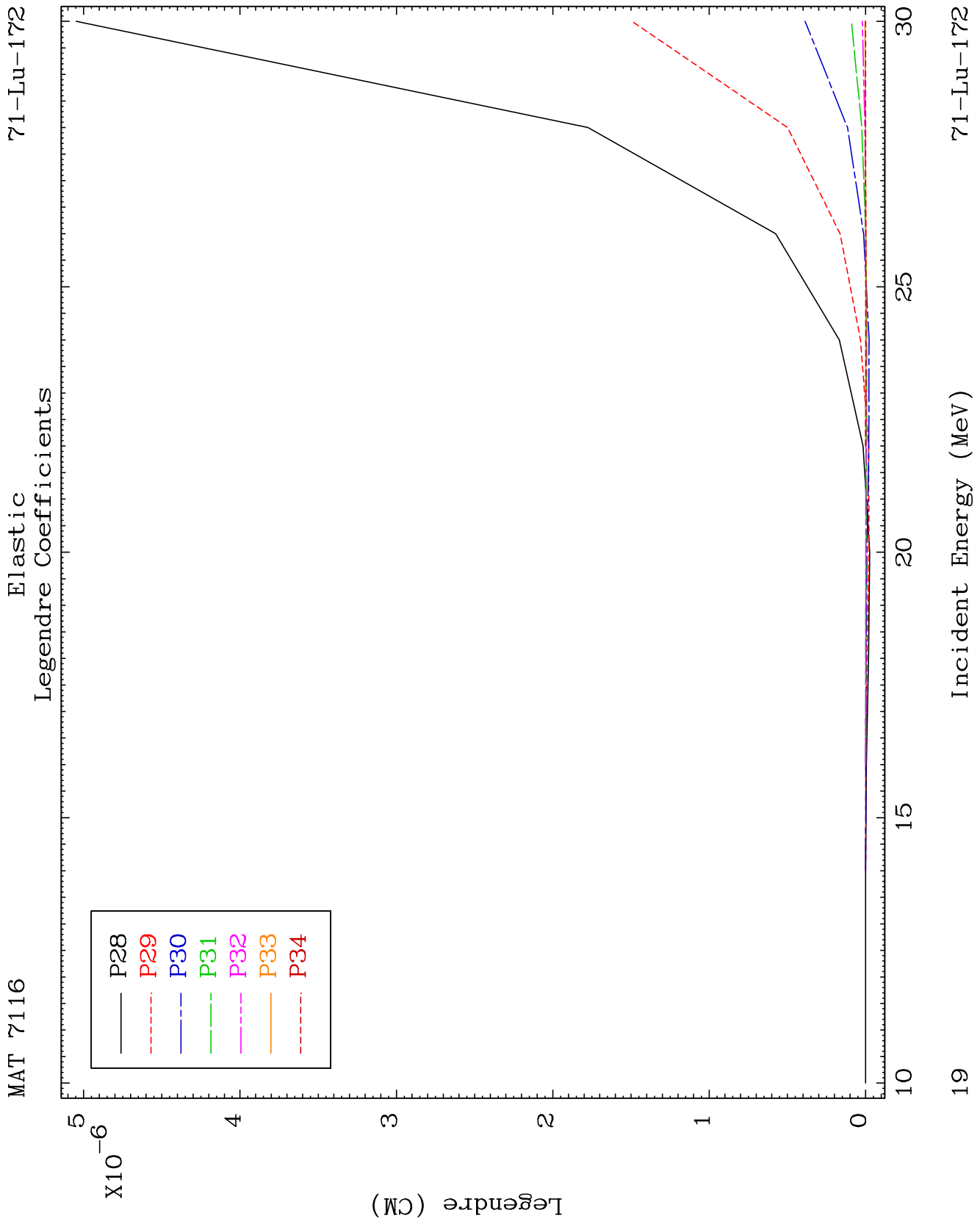
71-Lu-172

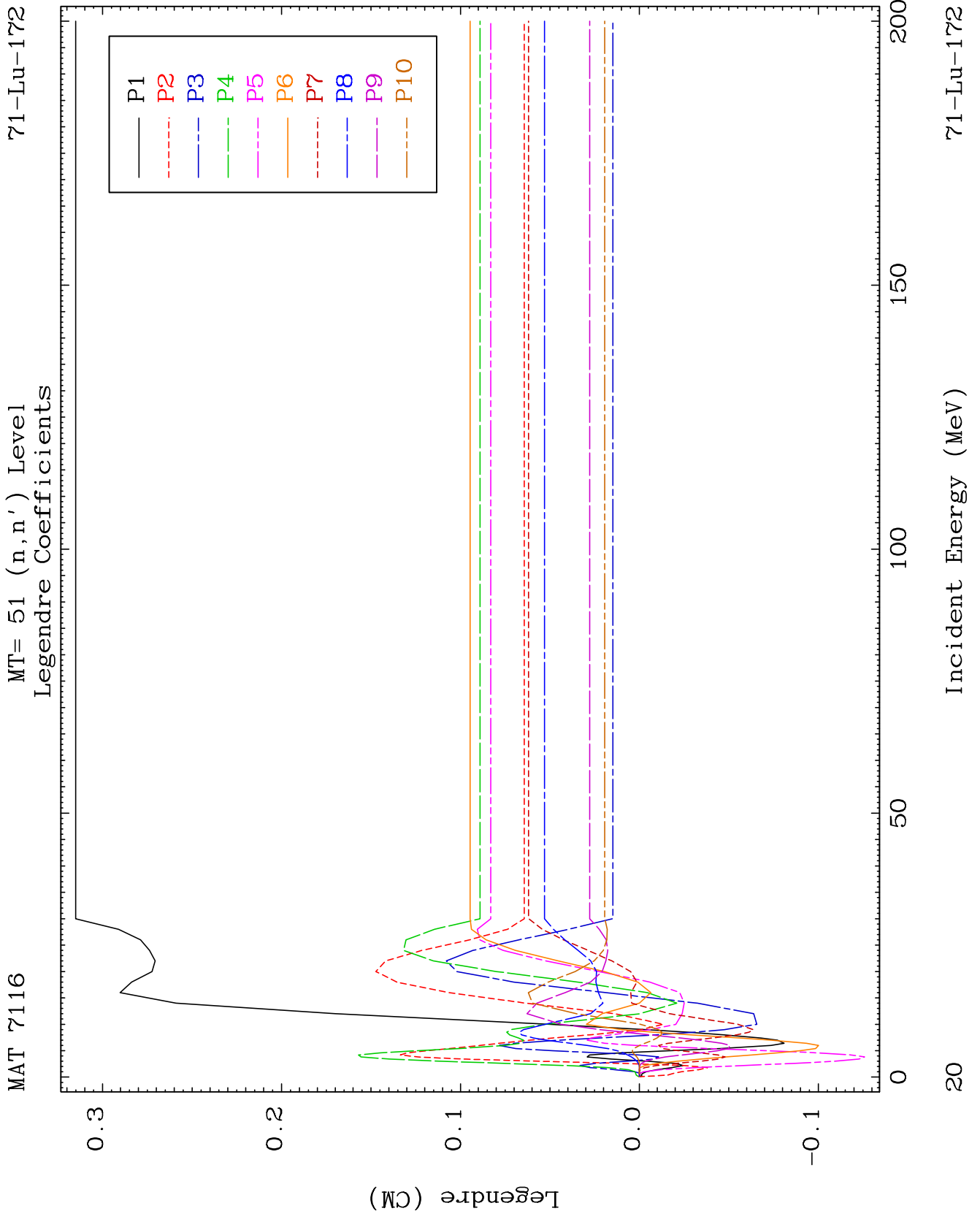


18

Incident Energy (MeV)

71-Lu-172

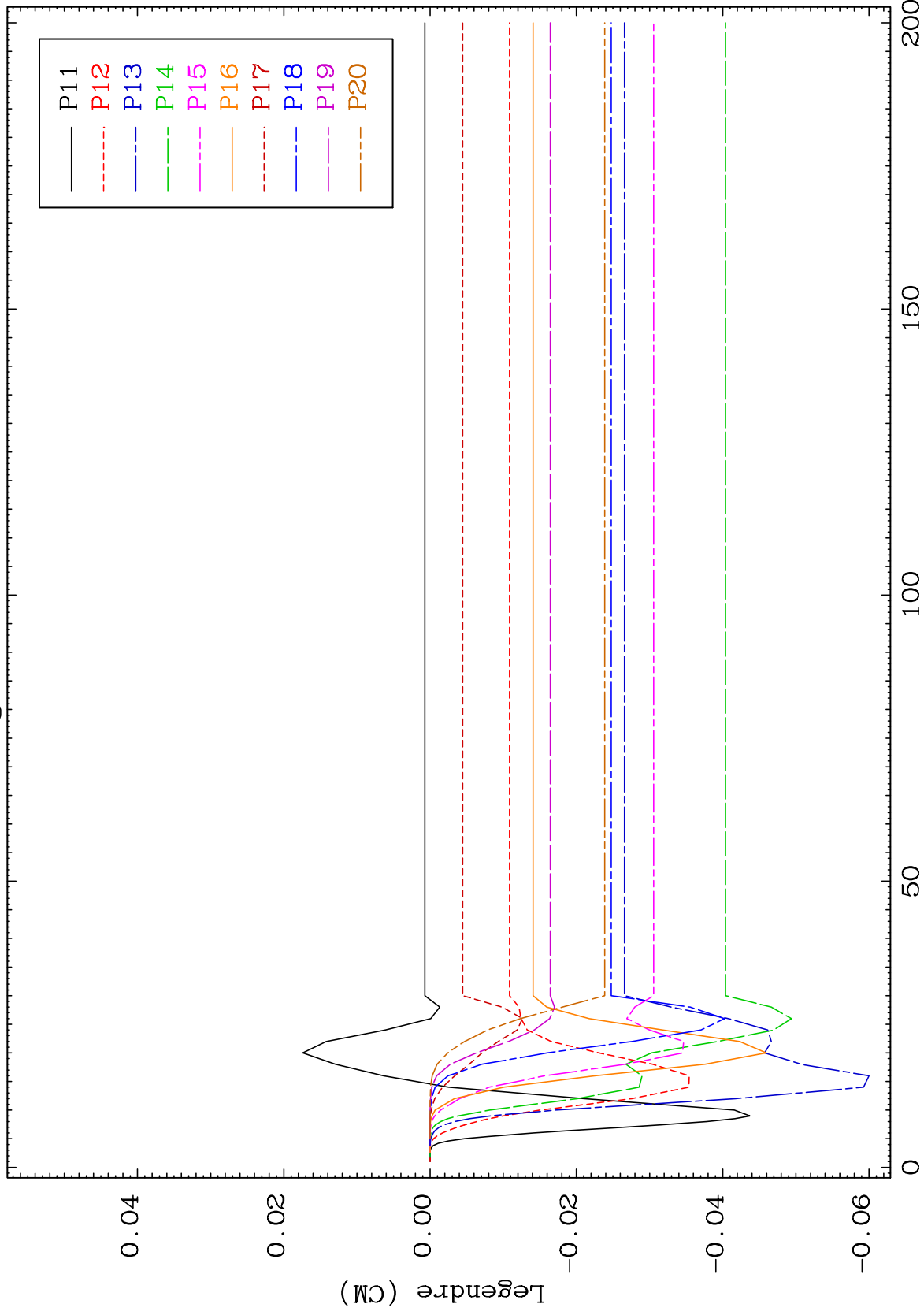




MAT 7116

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

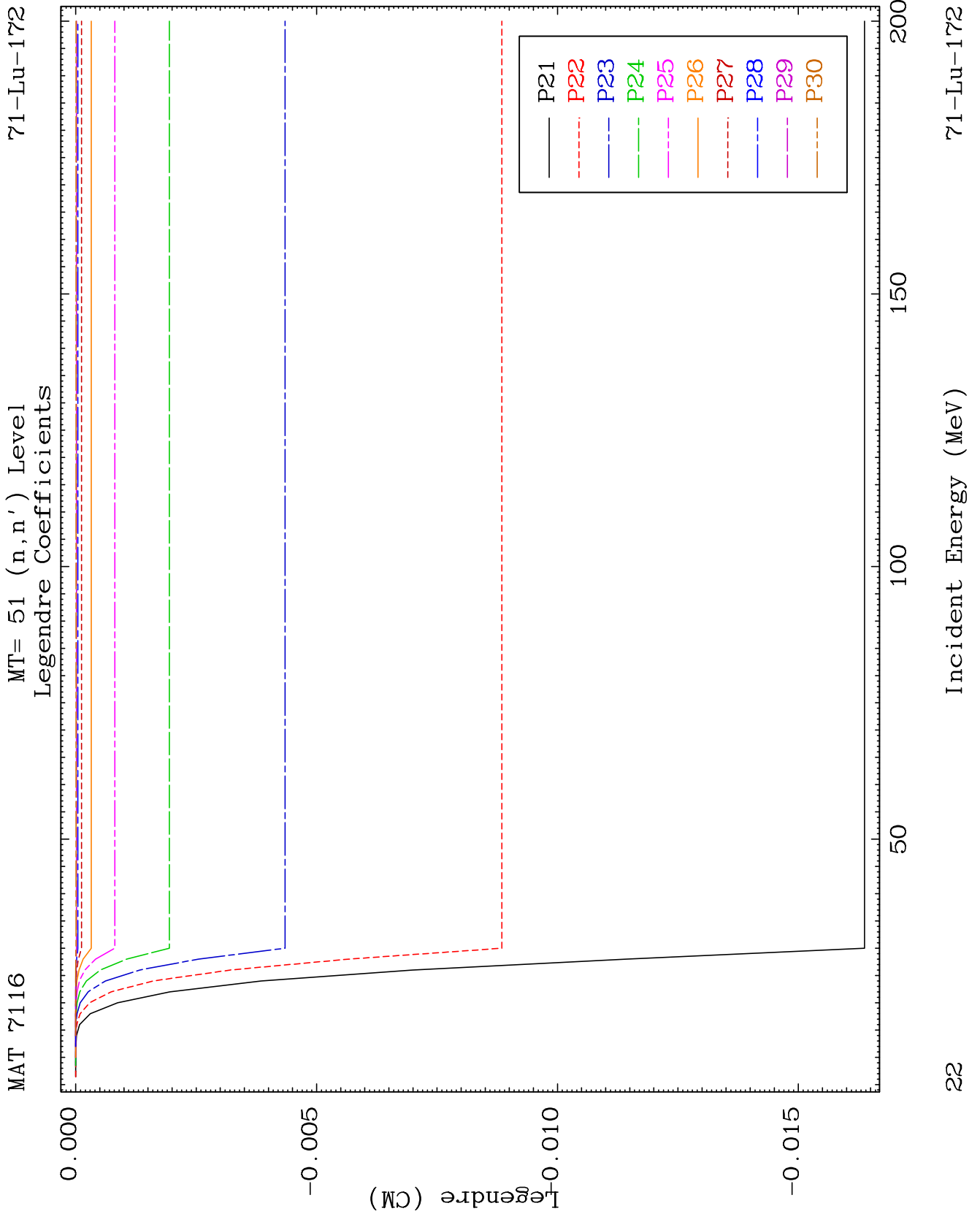
71-Lu-172

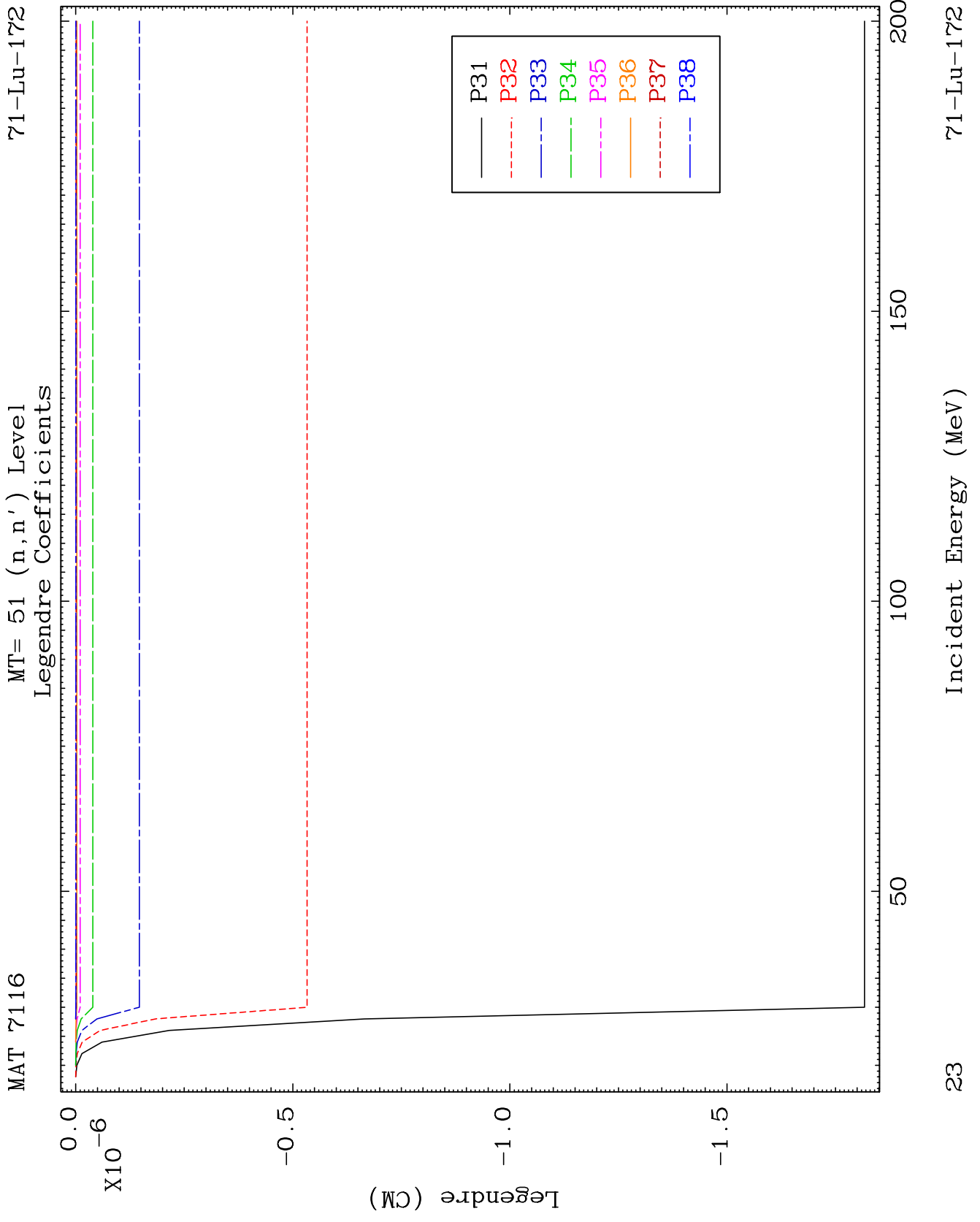


21

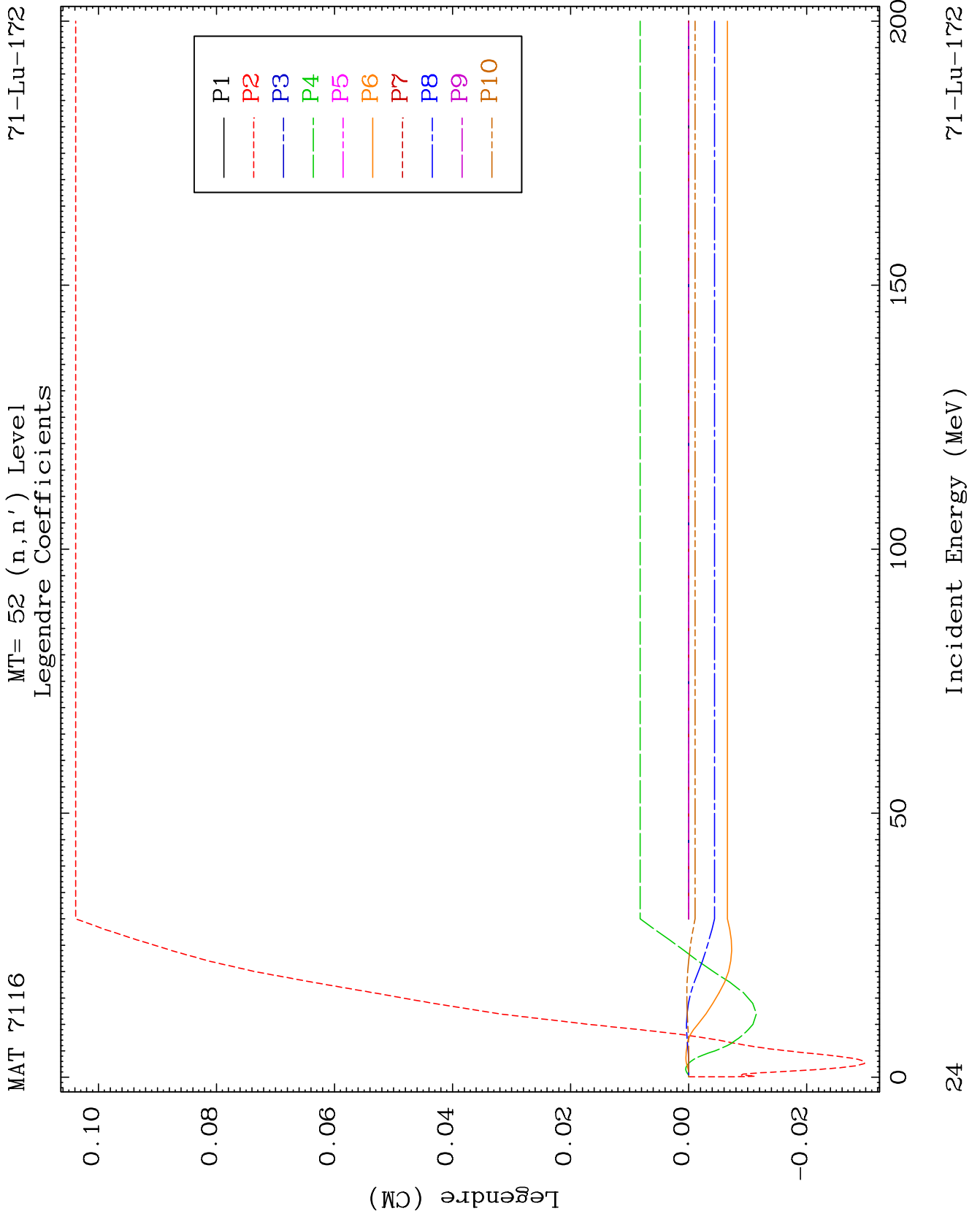
Incident Energy (MeV)

71-Lu-172





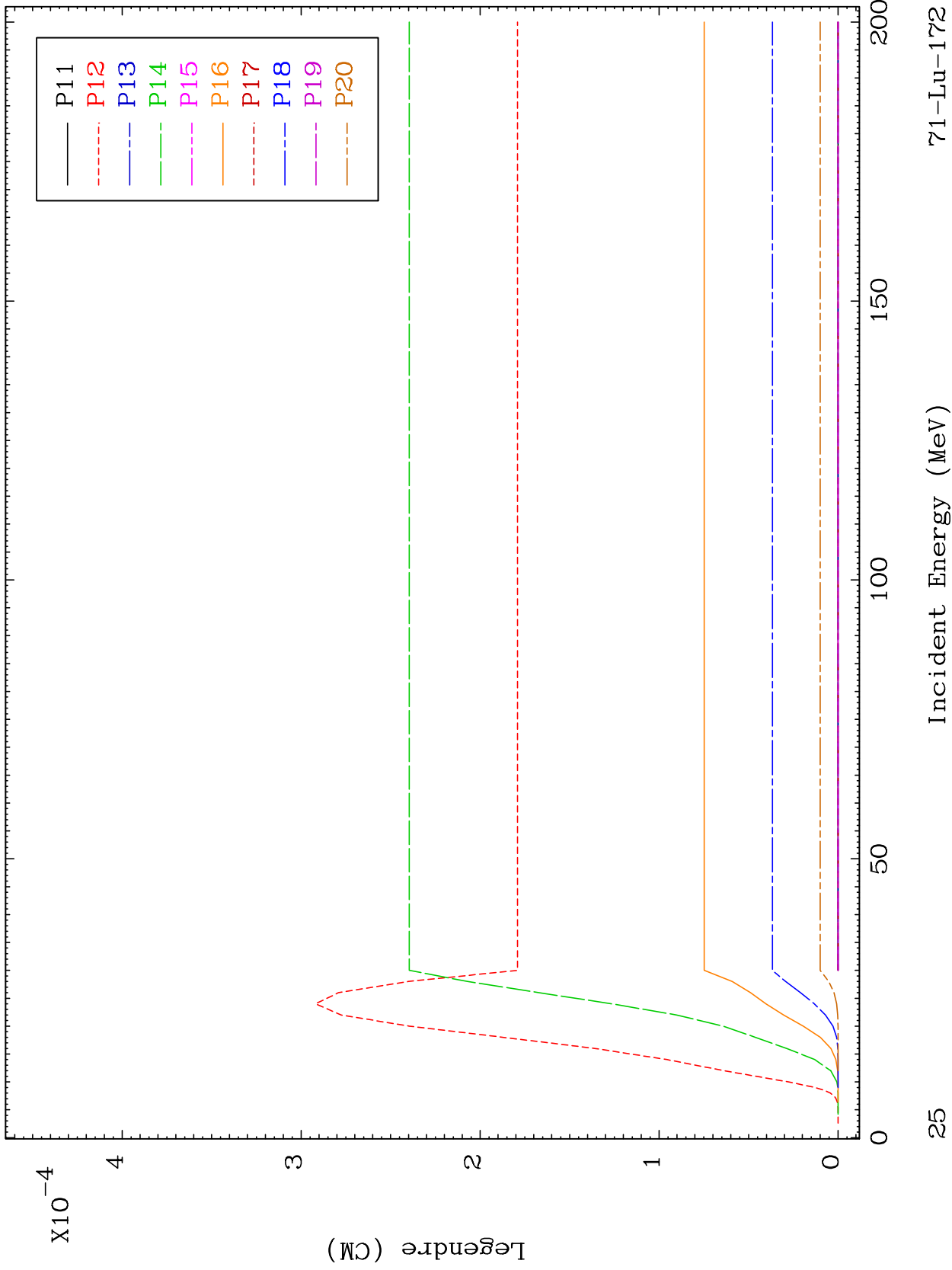




MAT 7116

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

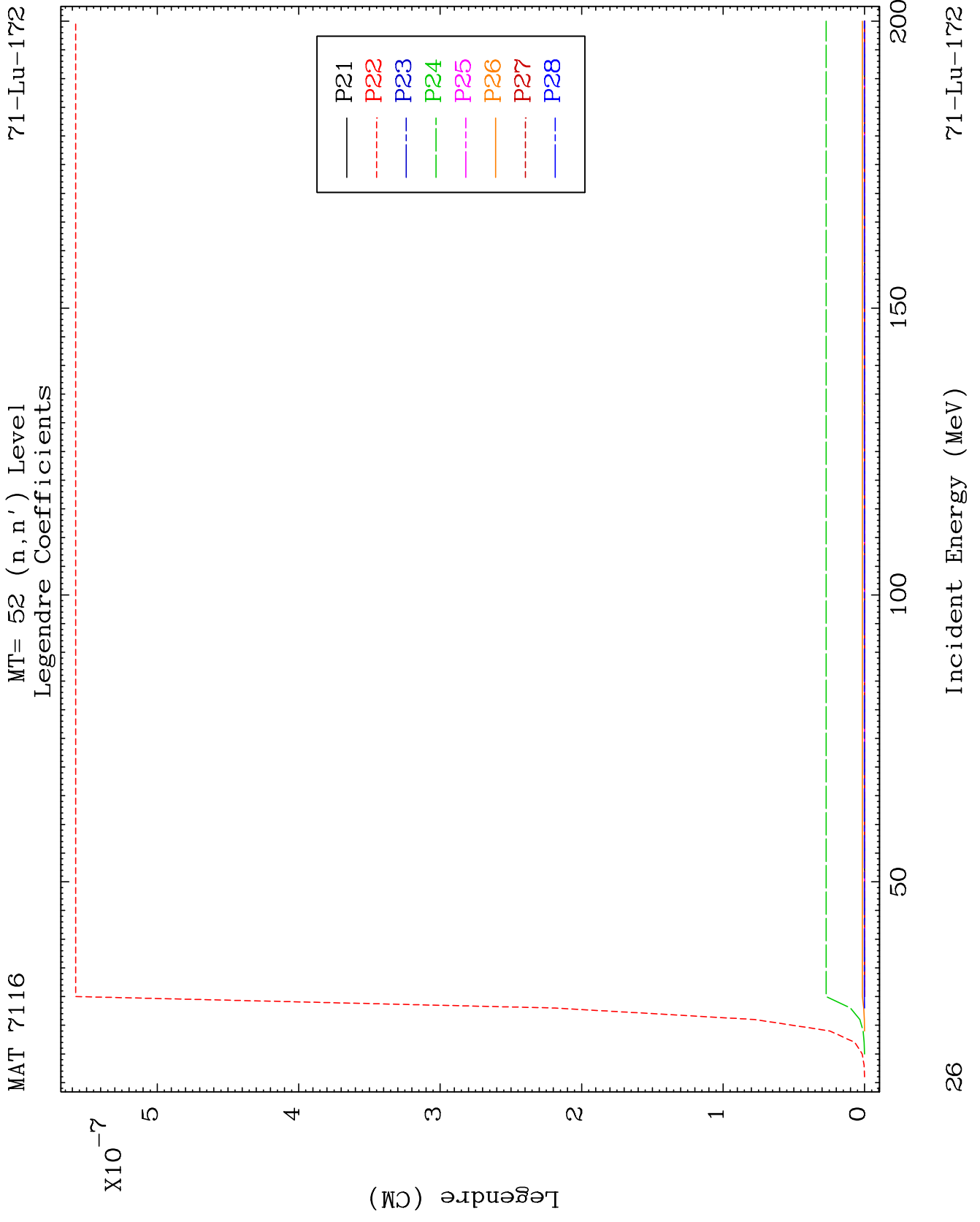
71-Lu-172



71-Lu-172

Incident Energy (MeV)

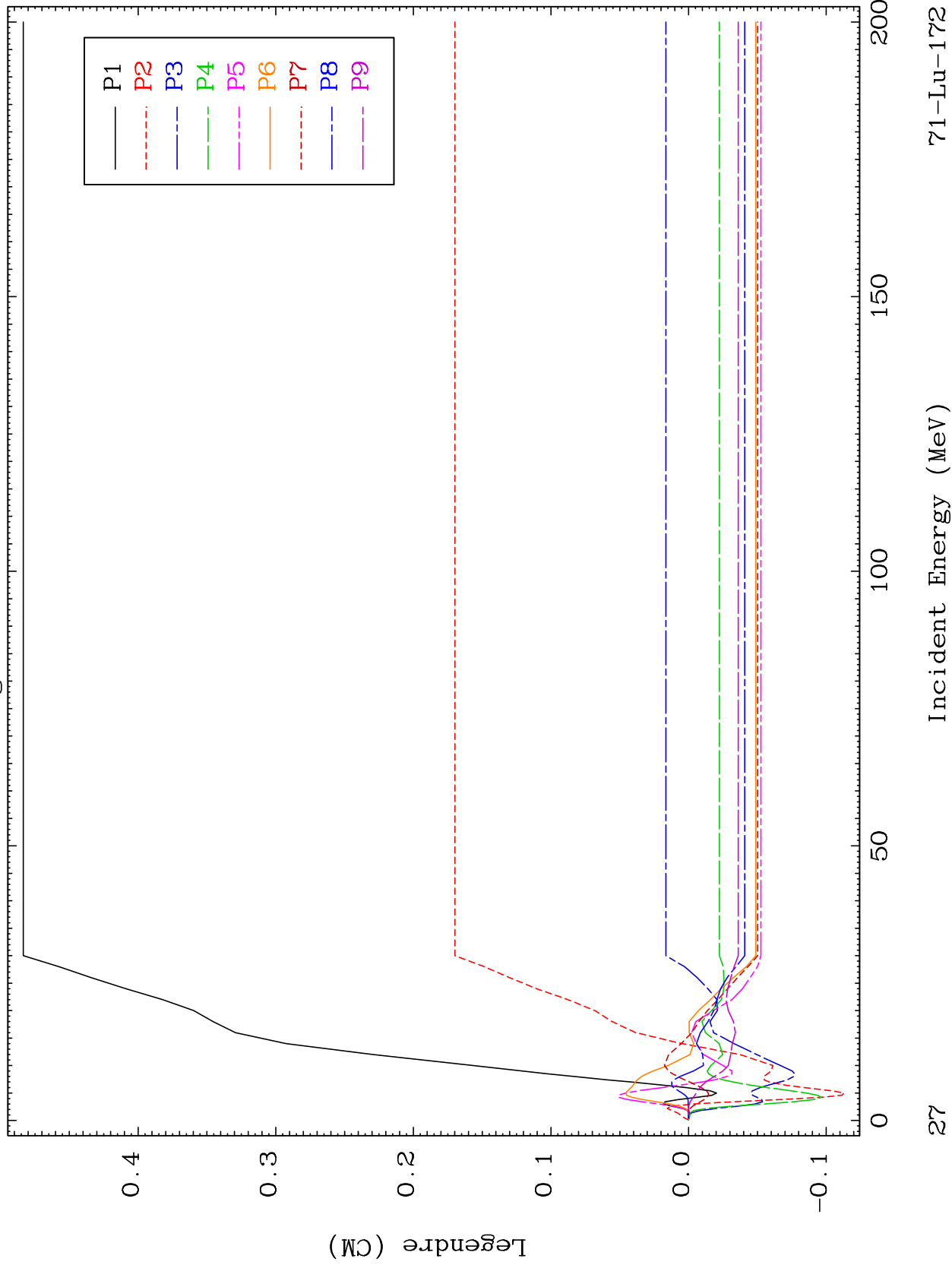
25



MAT 7116

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

71-Lu-172



71-Lu-172

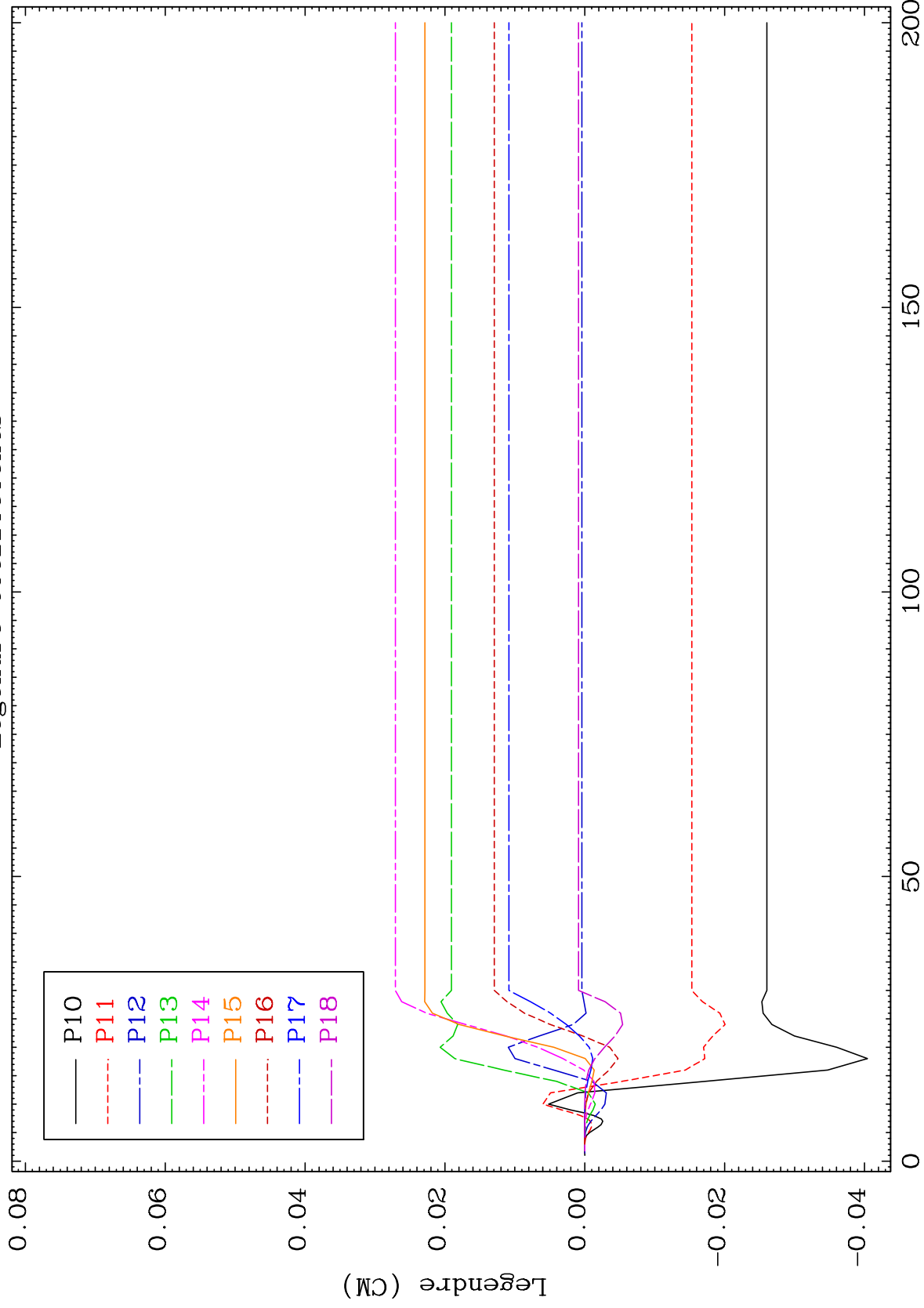
Incident Energy (MeV)

27

MAT 7116

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

71-Lu-172



28

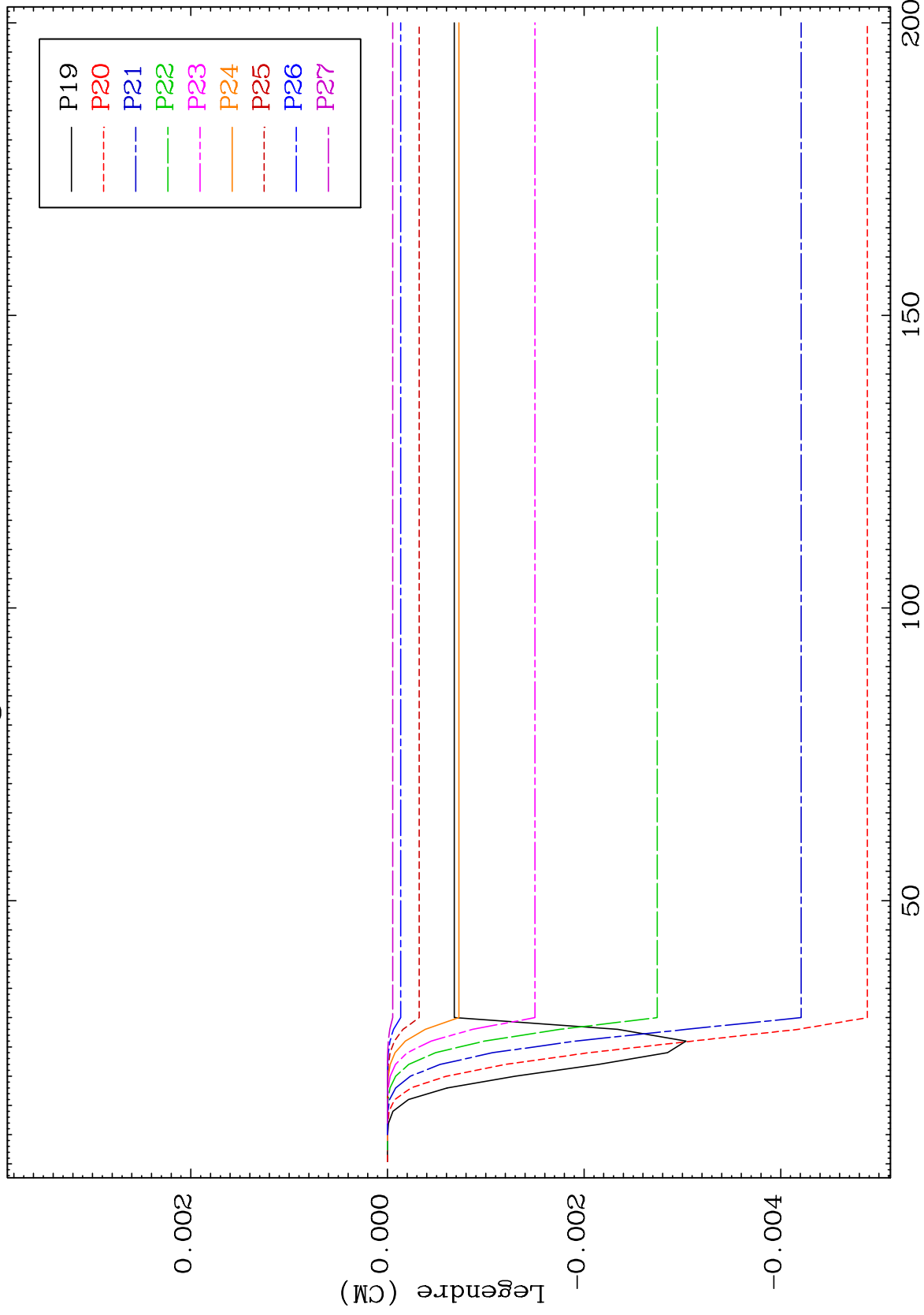
Incident Energy (MeV)

71-Lu-172

MAT 7116

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

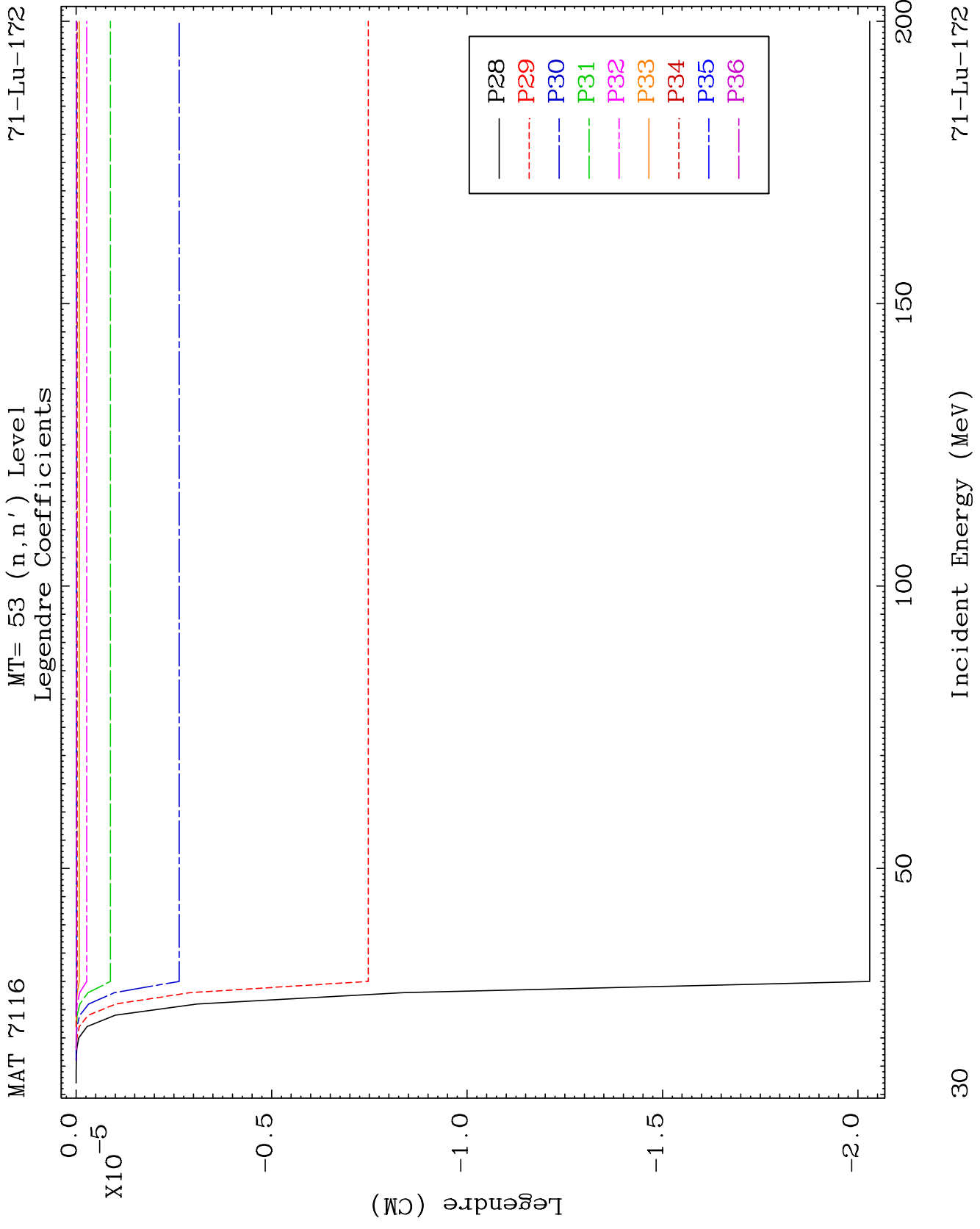
71-Lu-172



29

Incident Energy (MeV)

71-Lu-172



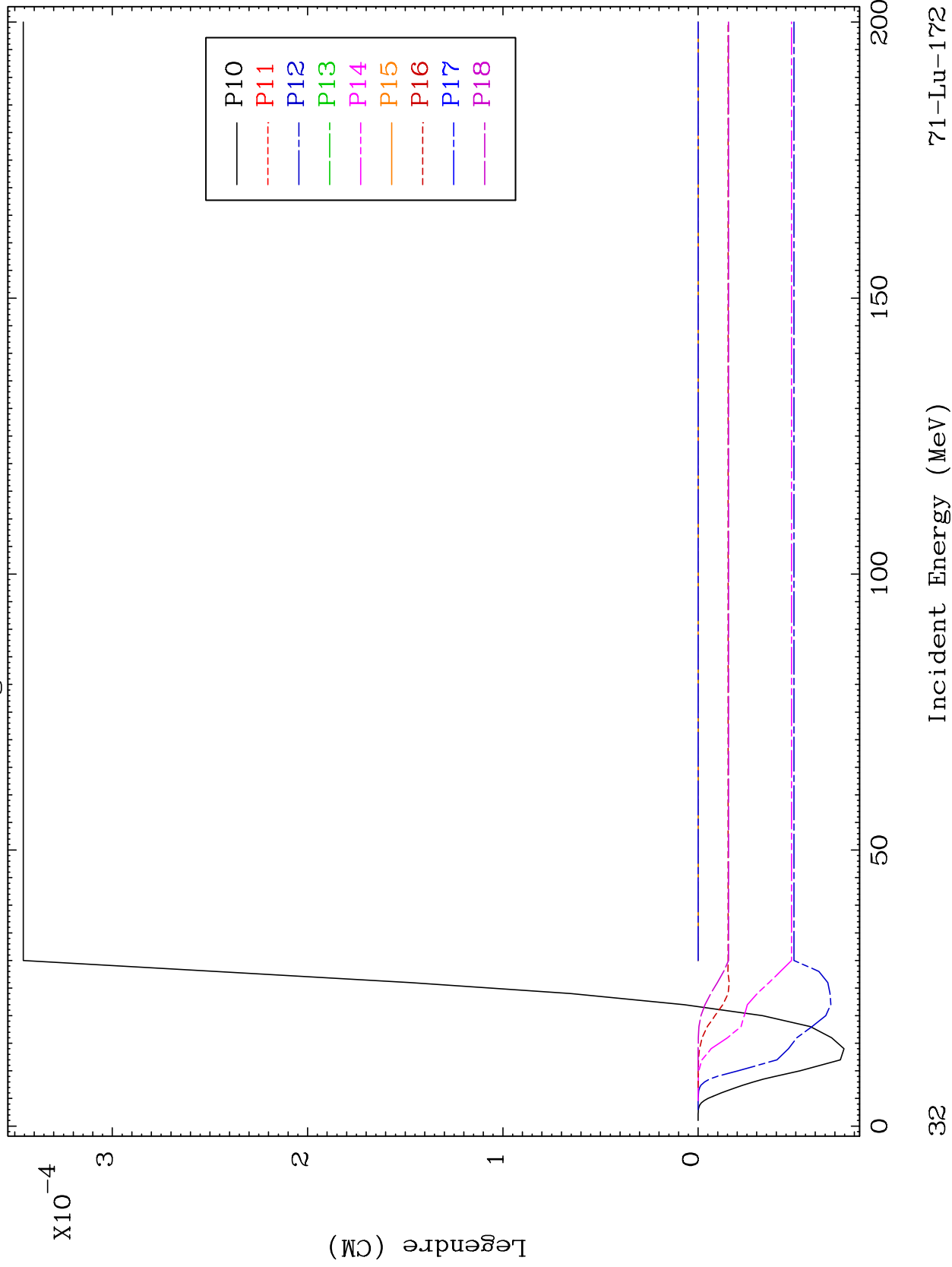




MAT 7116

MT= 54 (n,n') Level  
Legendre Coefficients

71-Lu-172



71-Lu-172

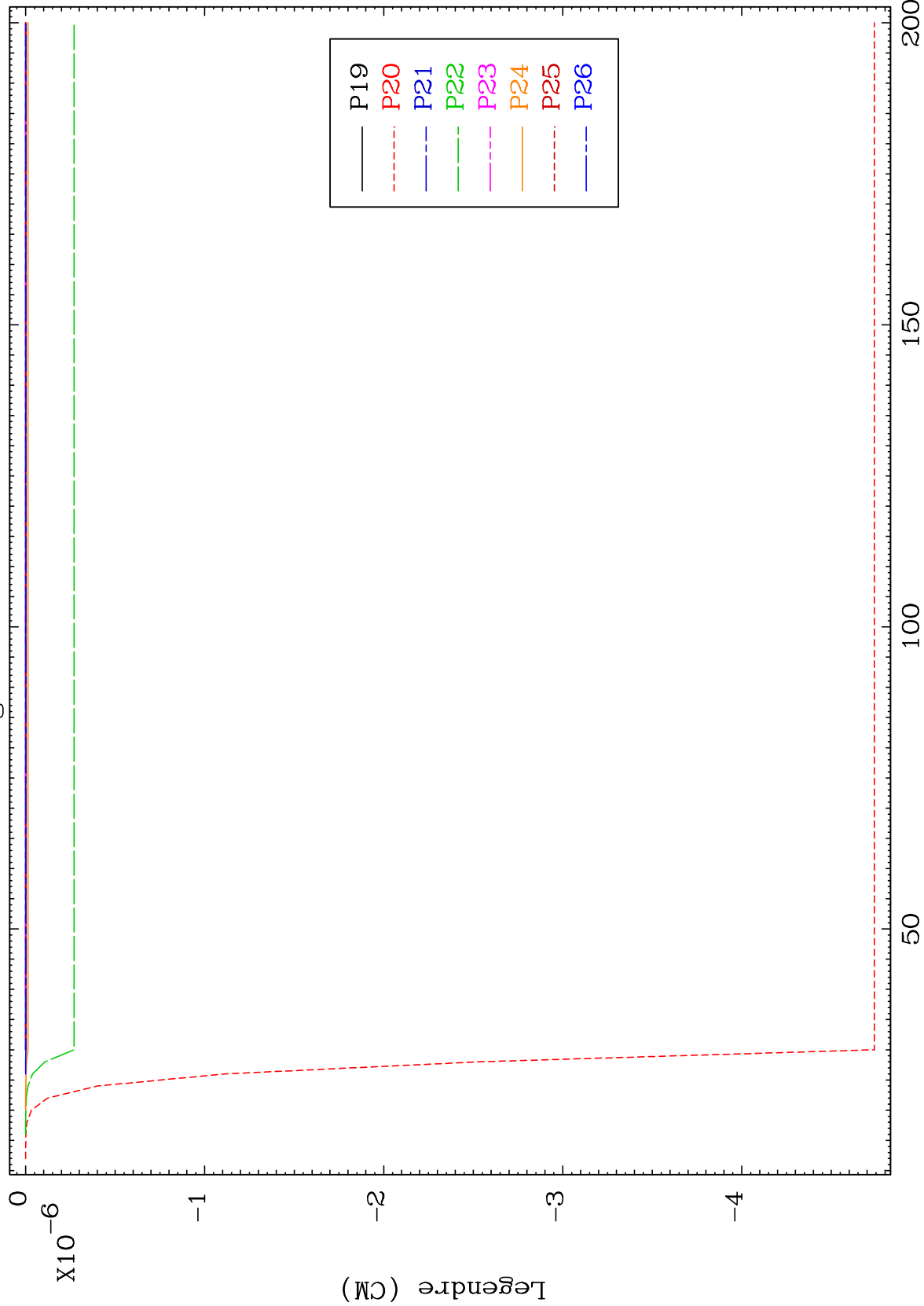
Incident Energy (MeV)

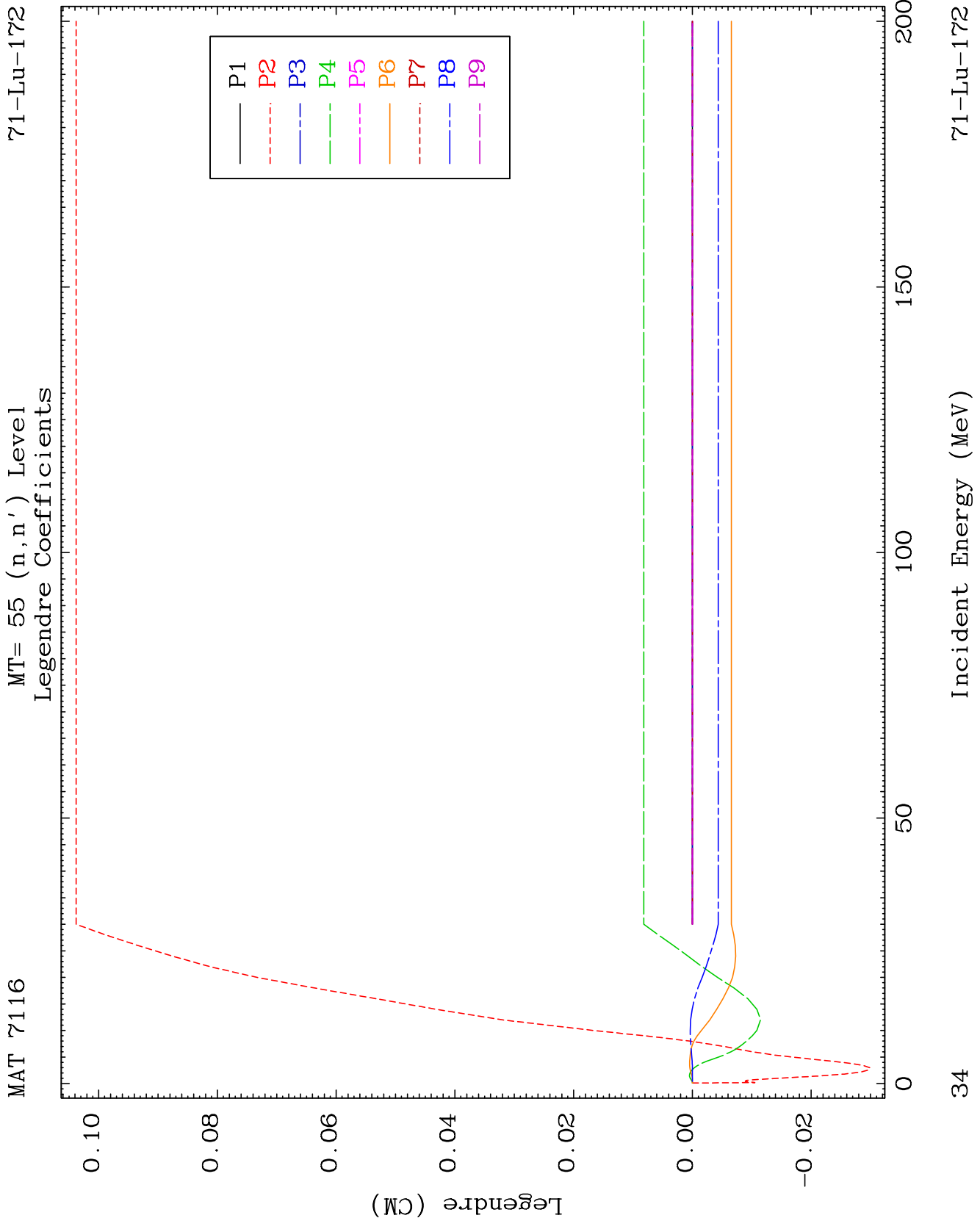
32

MAT 7116

MT= 54 (n,n') Level  
Legendre Coefficients

71-Lu-172

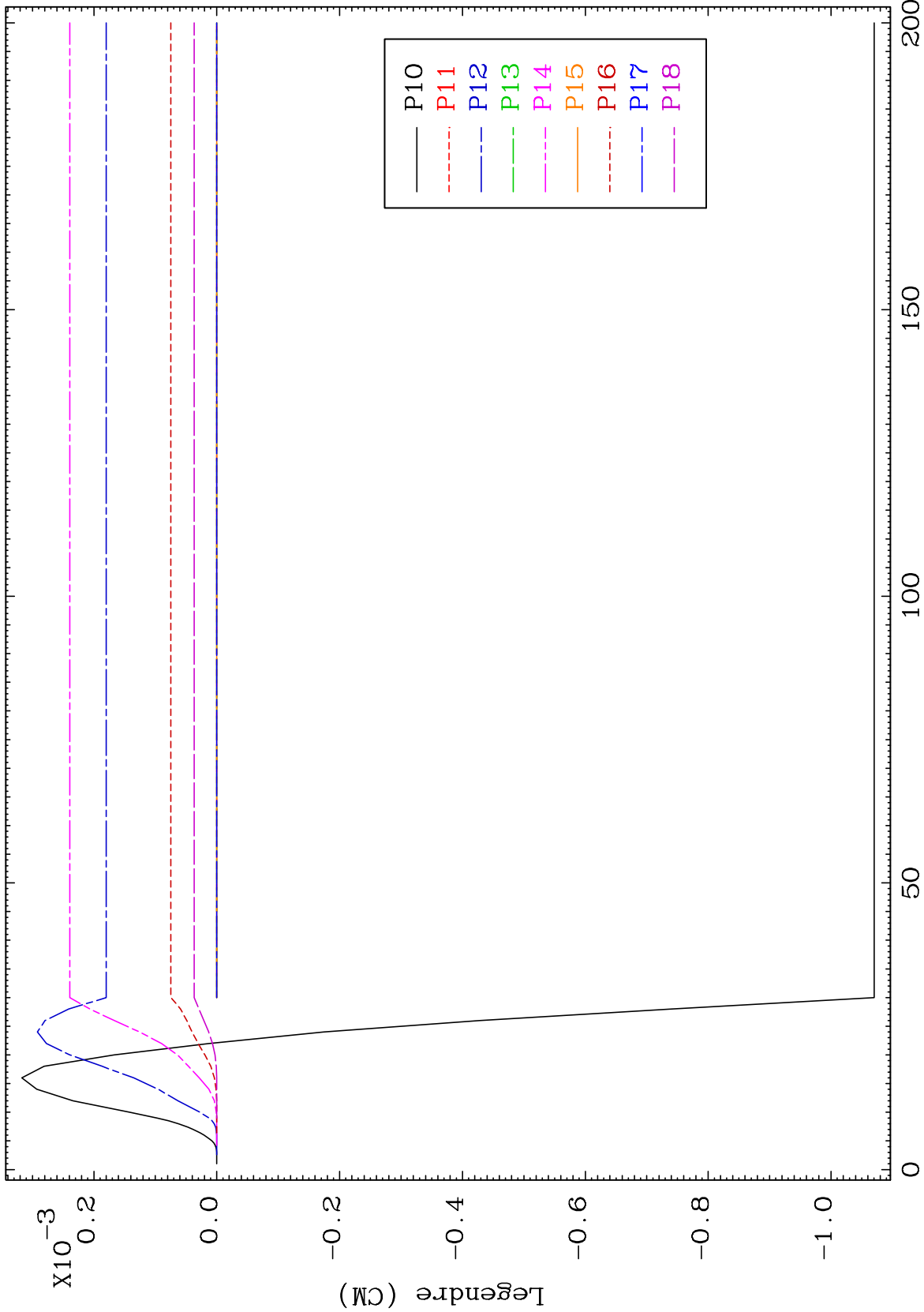




MAT 7116

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

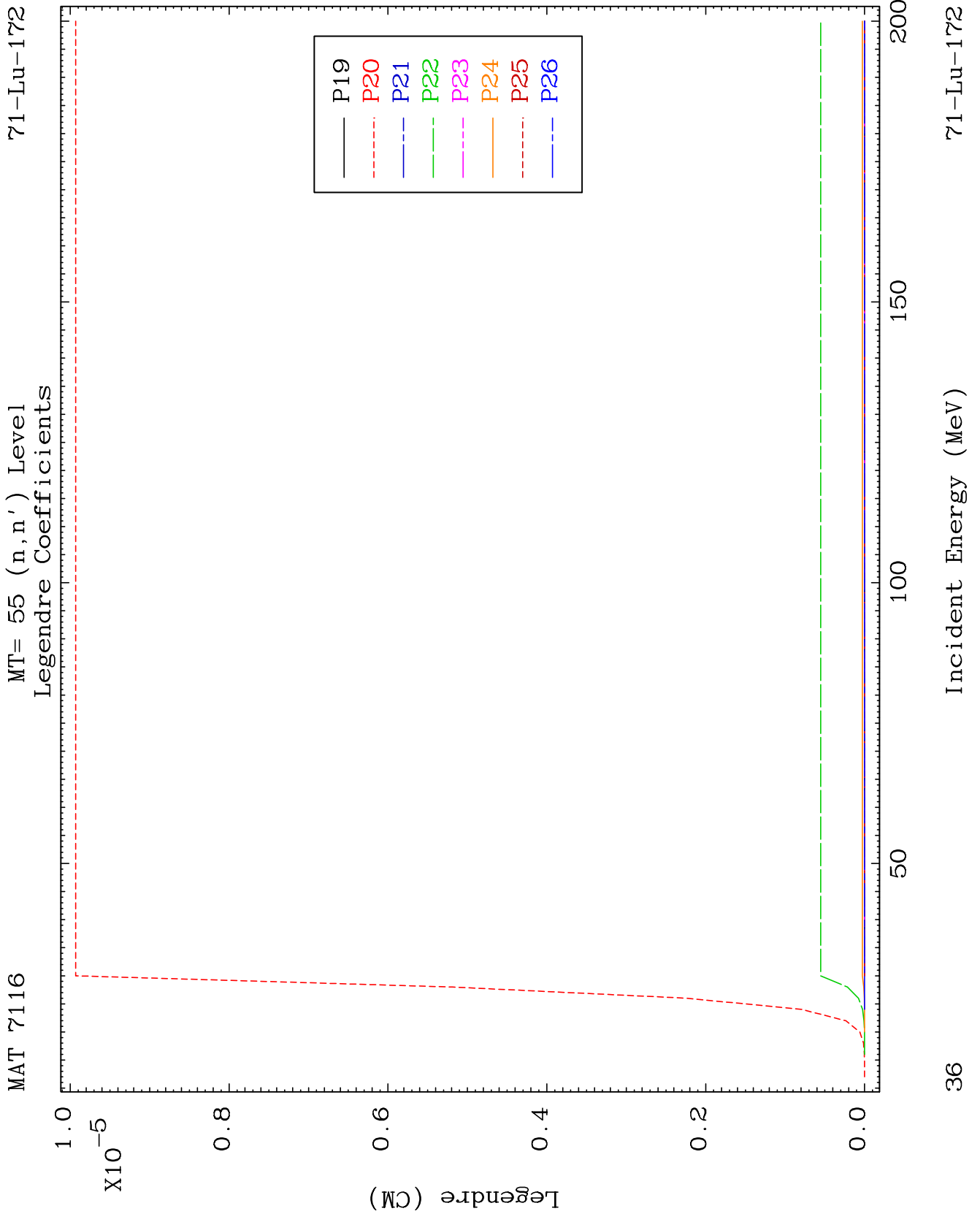
71-Lu-172

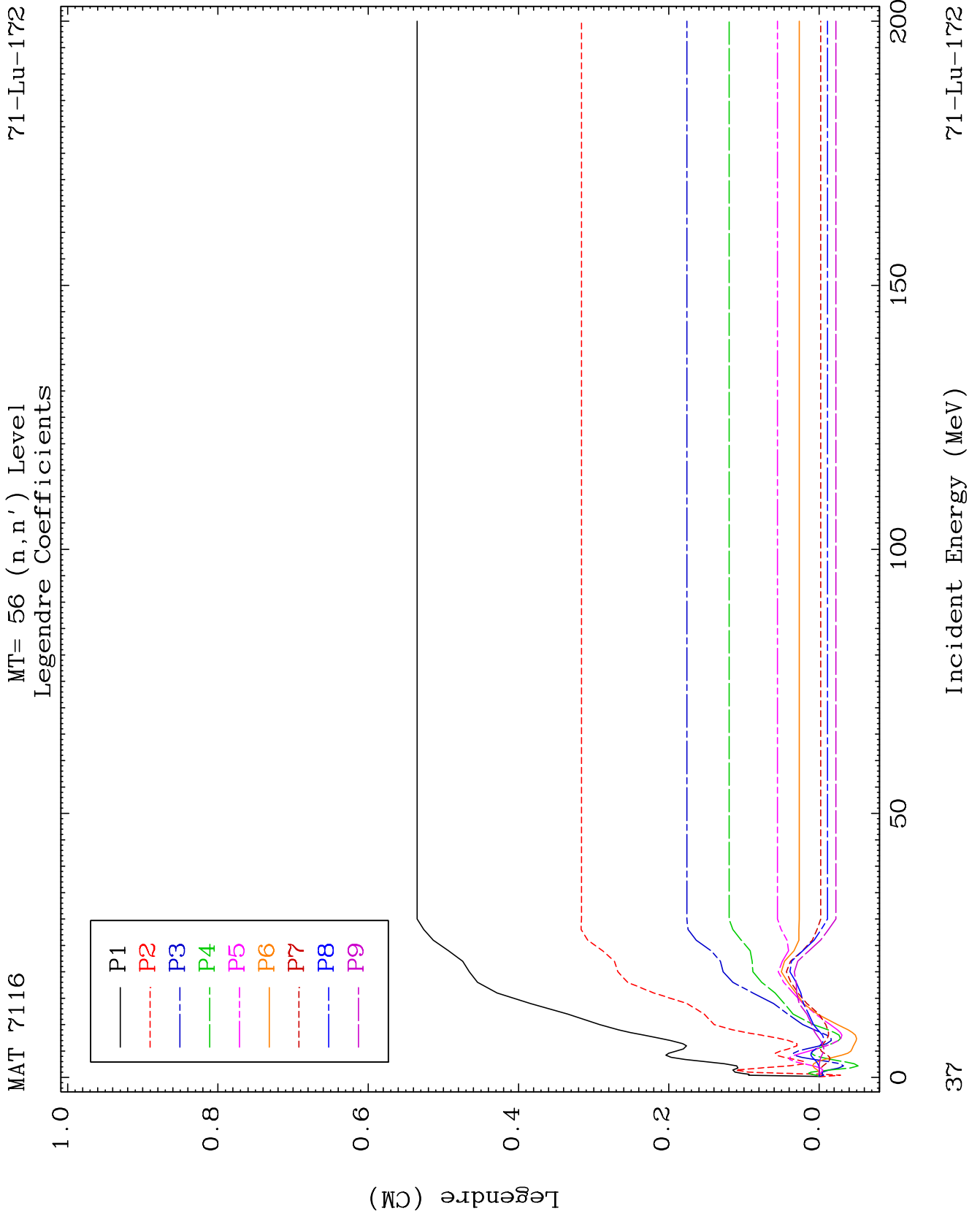


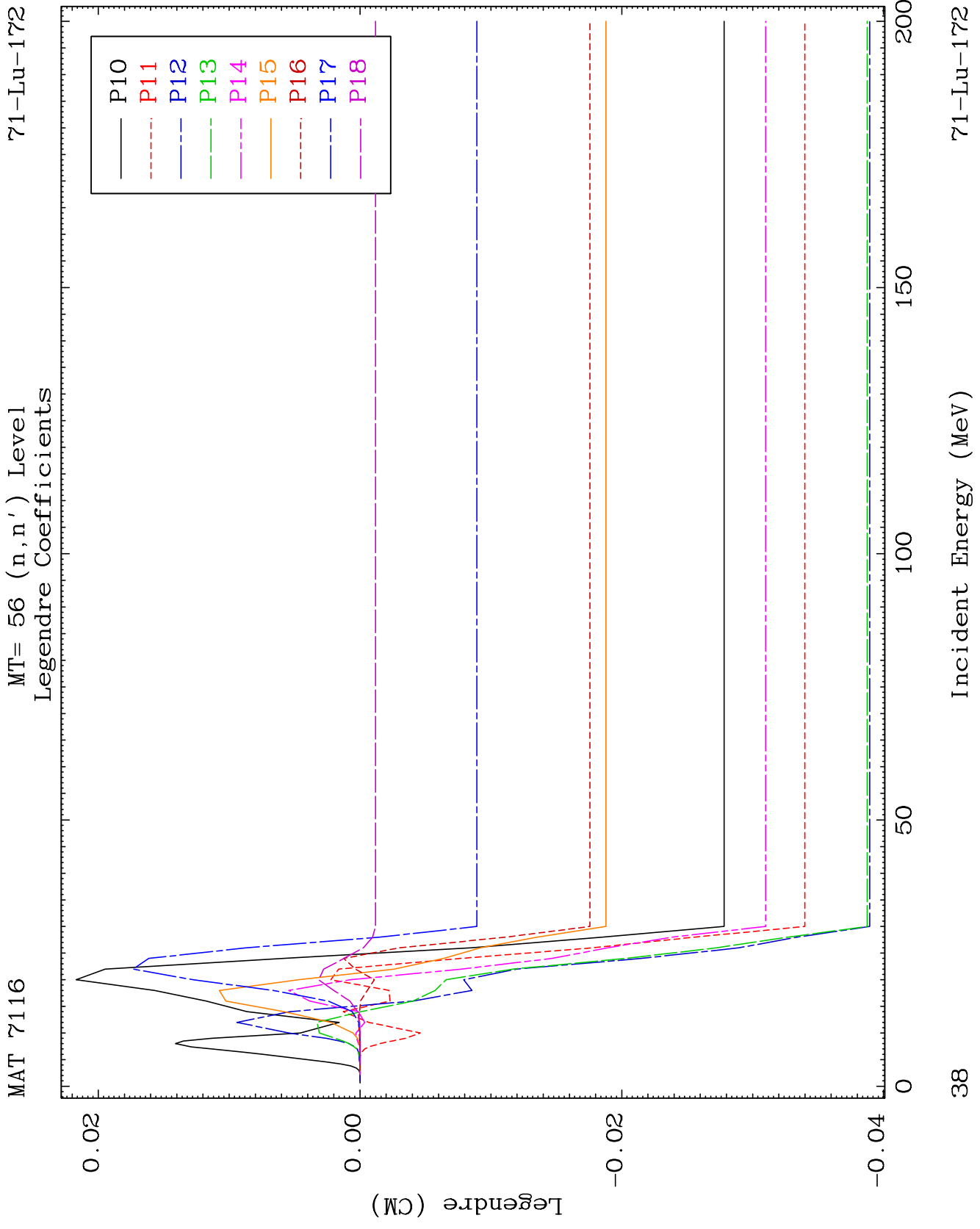
35

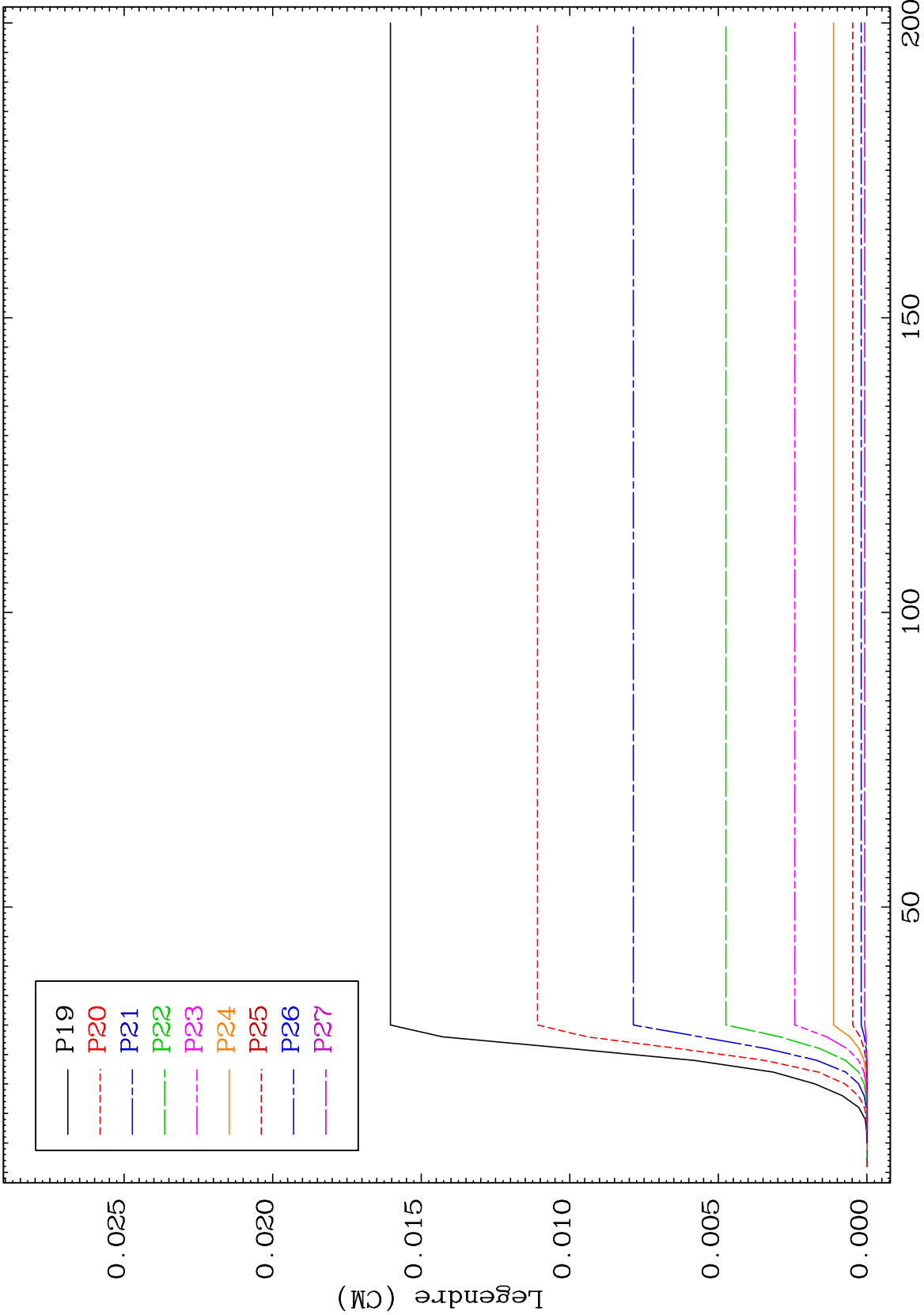
Incident Energy (MeV)

71-Lu-172







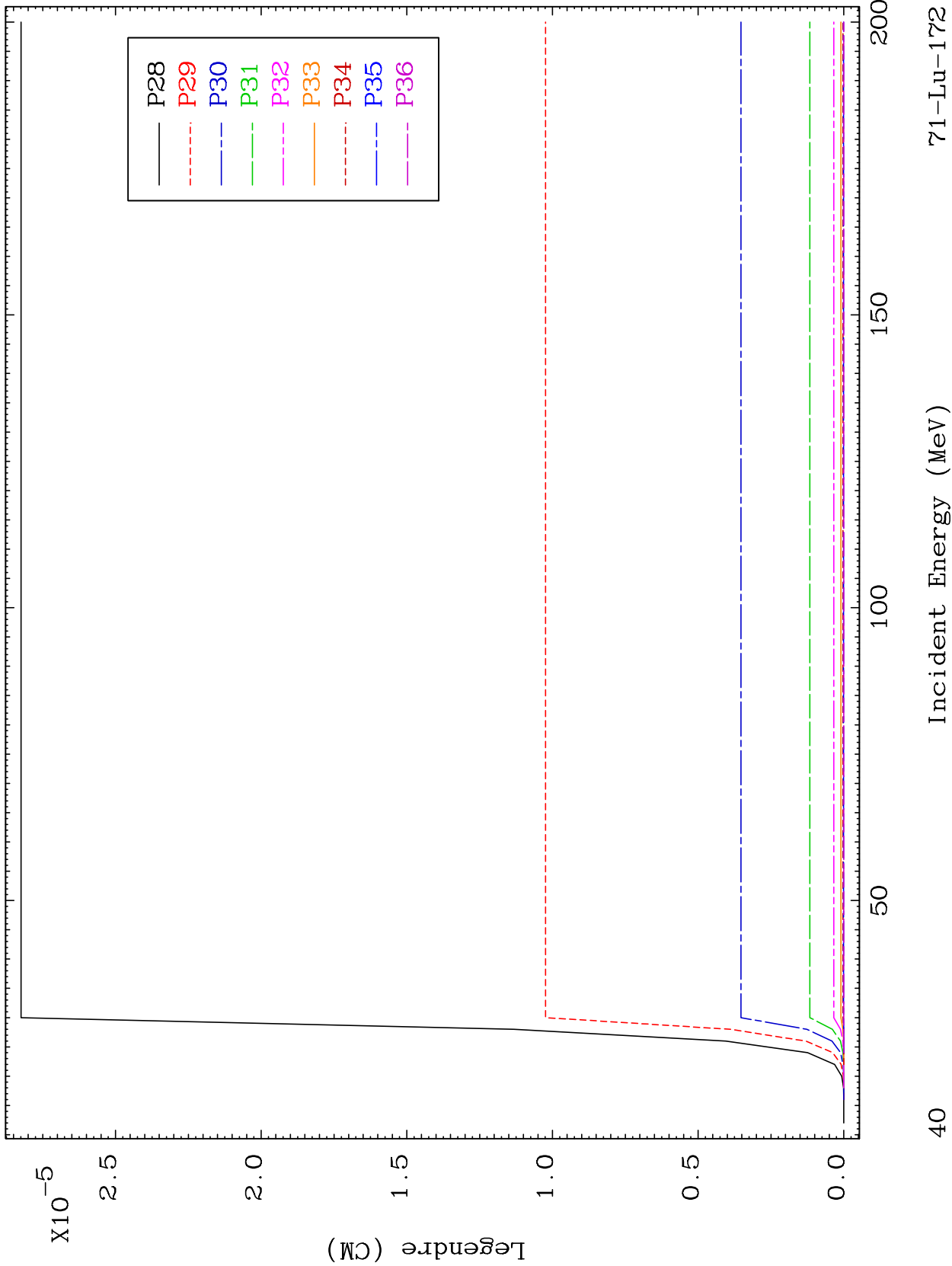




MAT 7116

MT= 56 (n,n') Level  
Legendre Coefficients

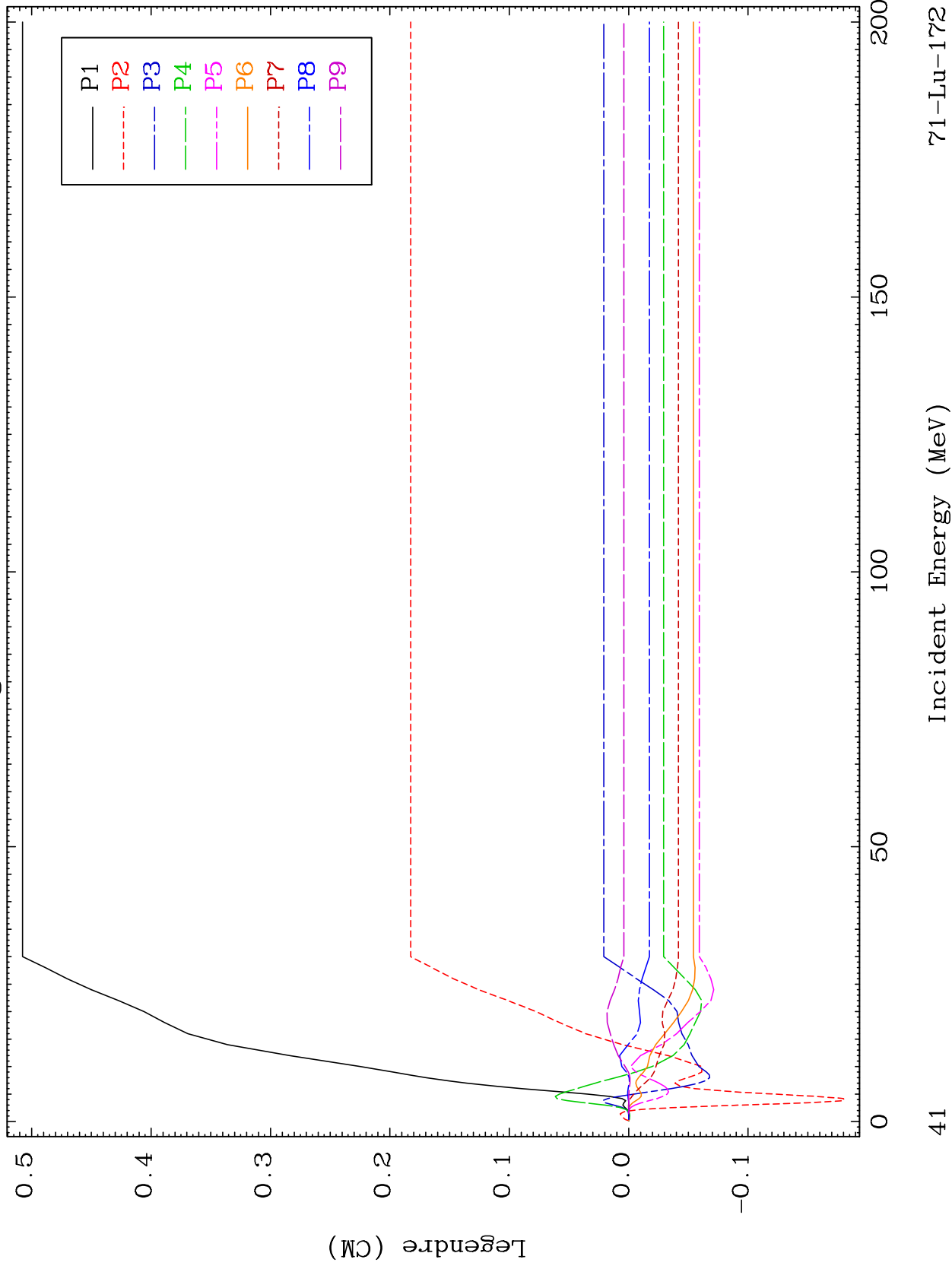
71-Lu-172



MAT 7116

MT= 57 (n,n') Level  
Legendre Coefficients

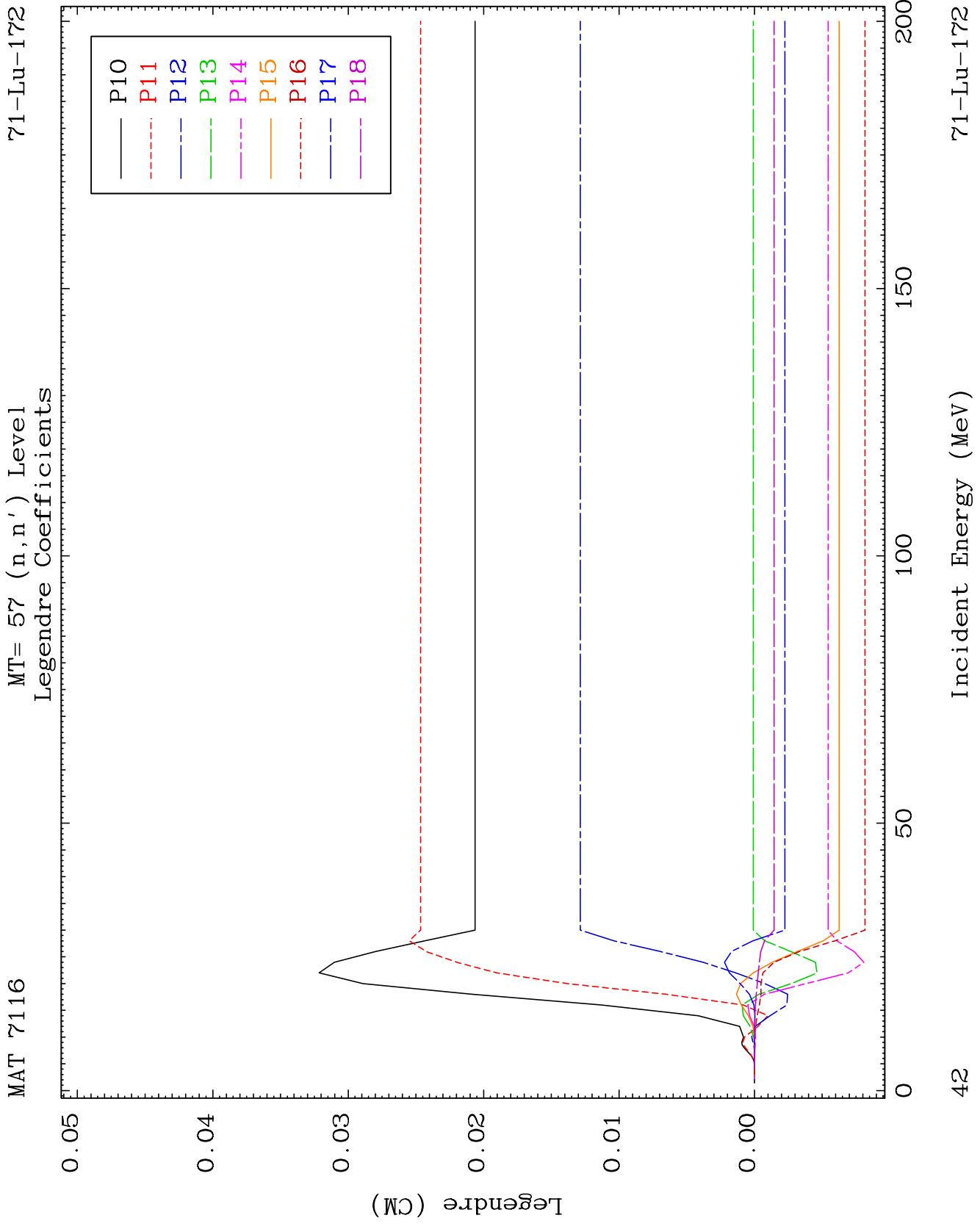
71-Lu-172



71-Lu-172

Incident Energy (MeV)

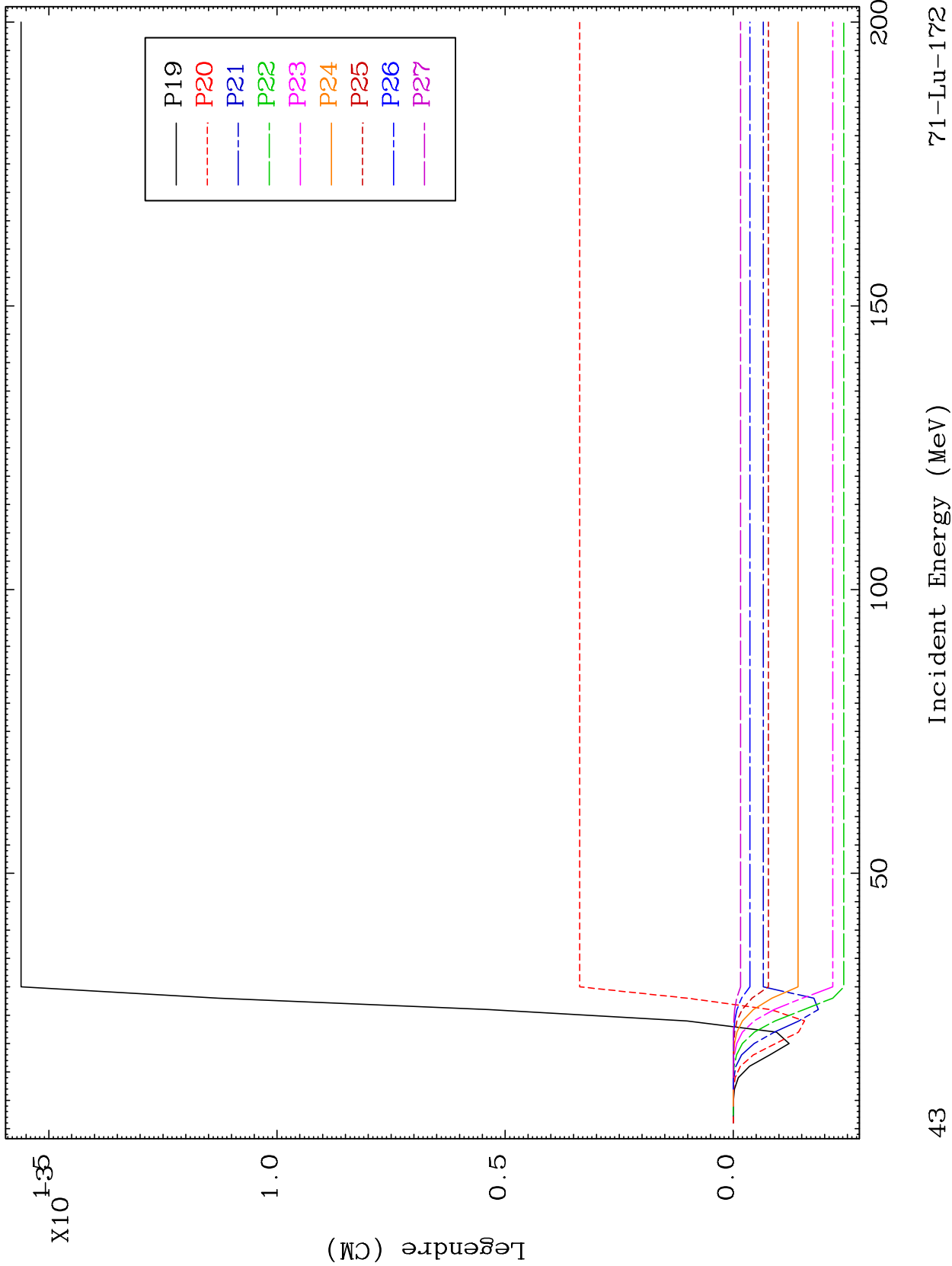
41



MAT 7116

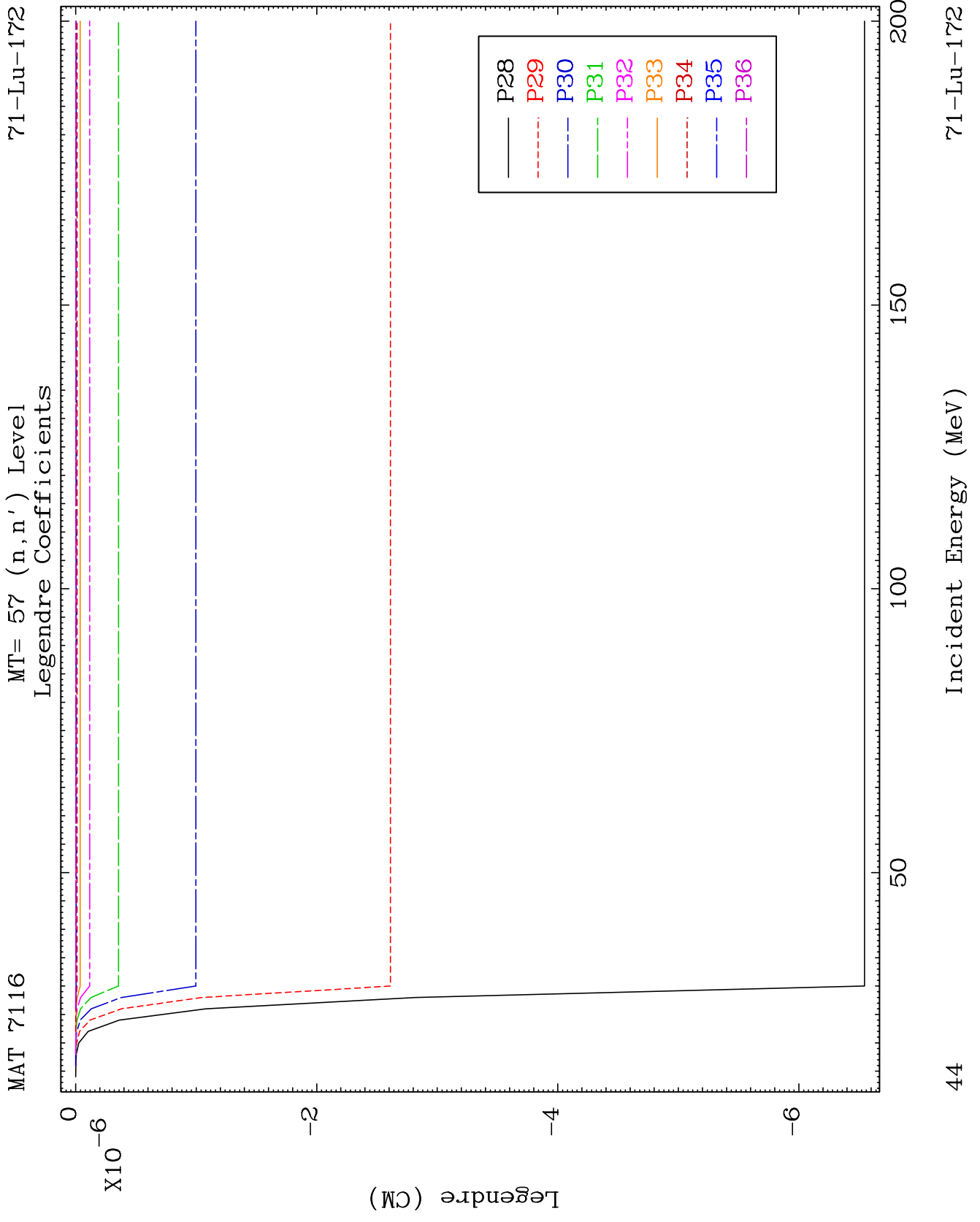
MT= 57 (n,n') Level  
Legendre Coefficients

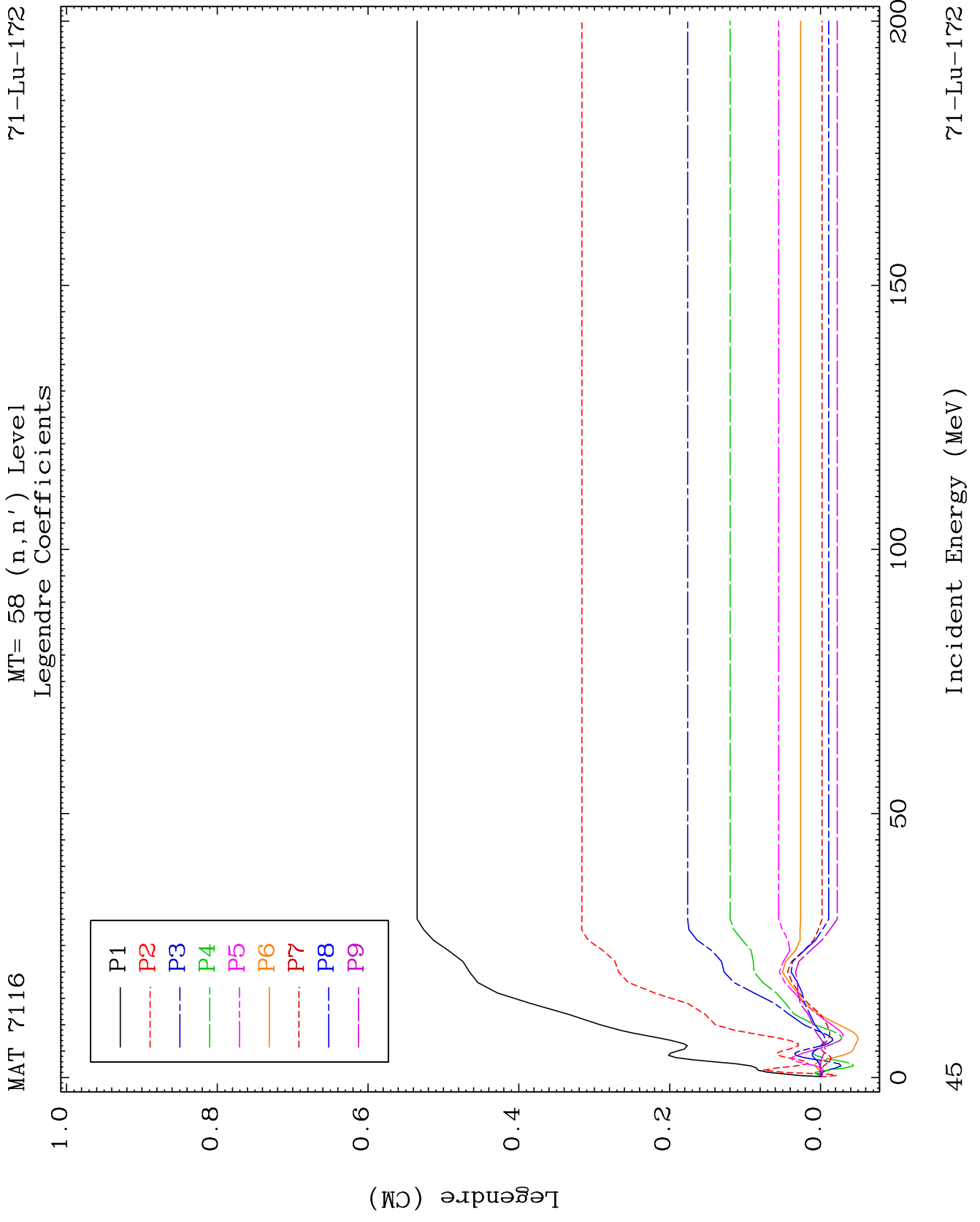
71-Lu-172

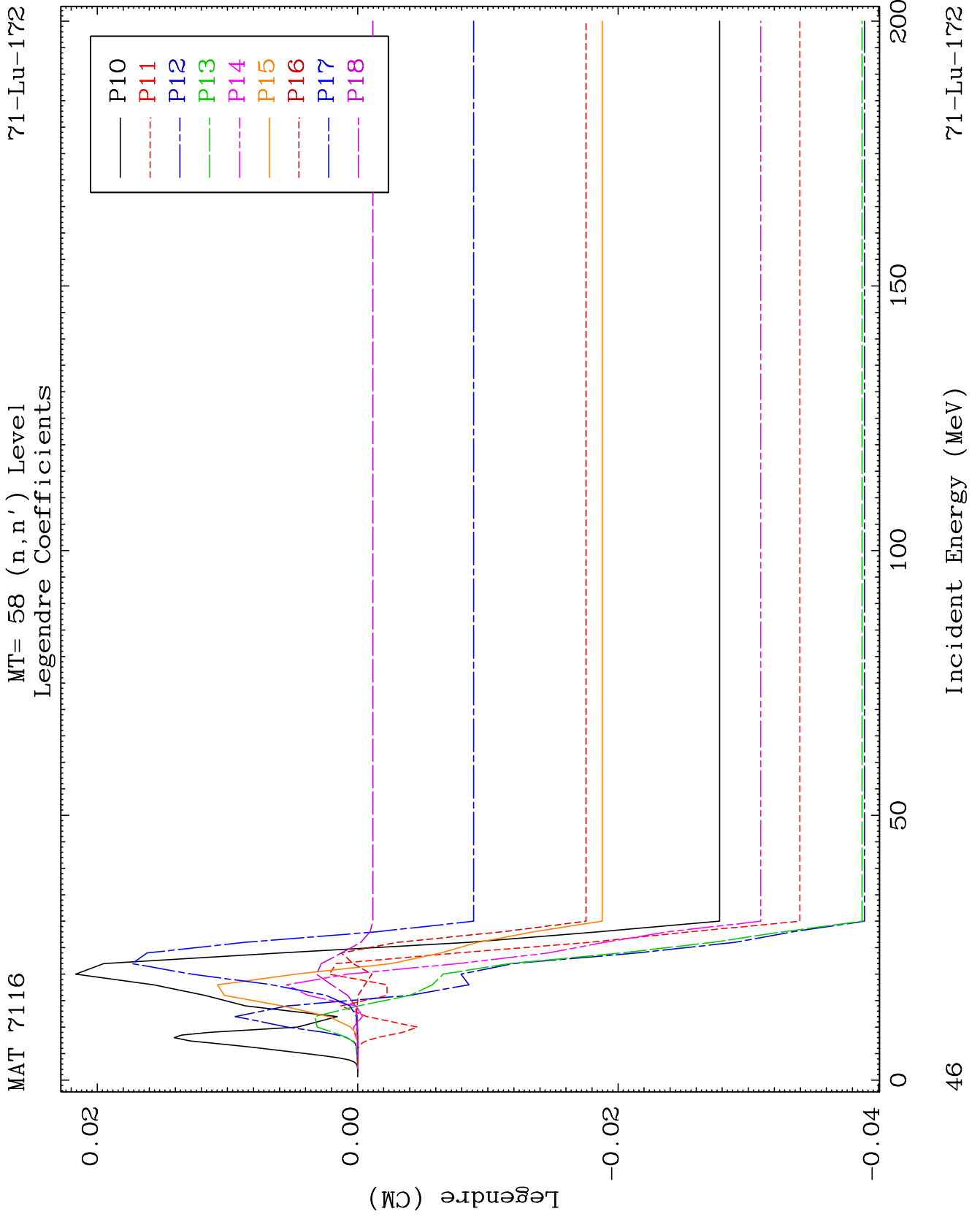


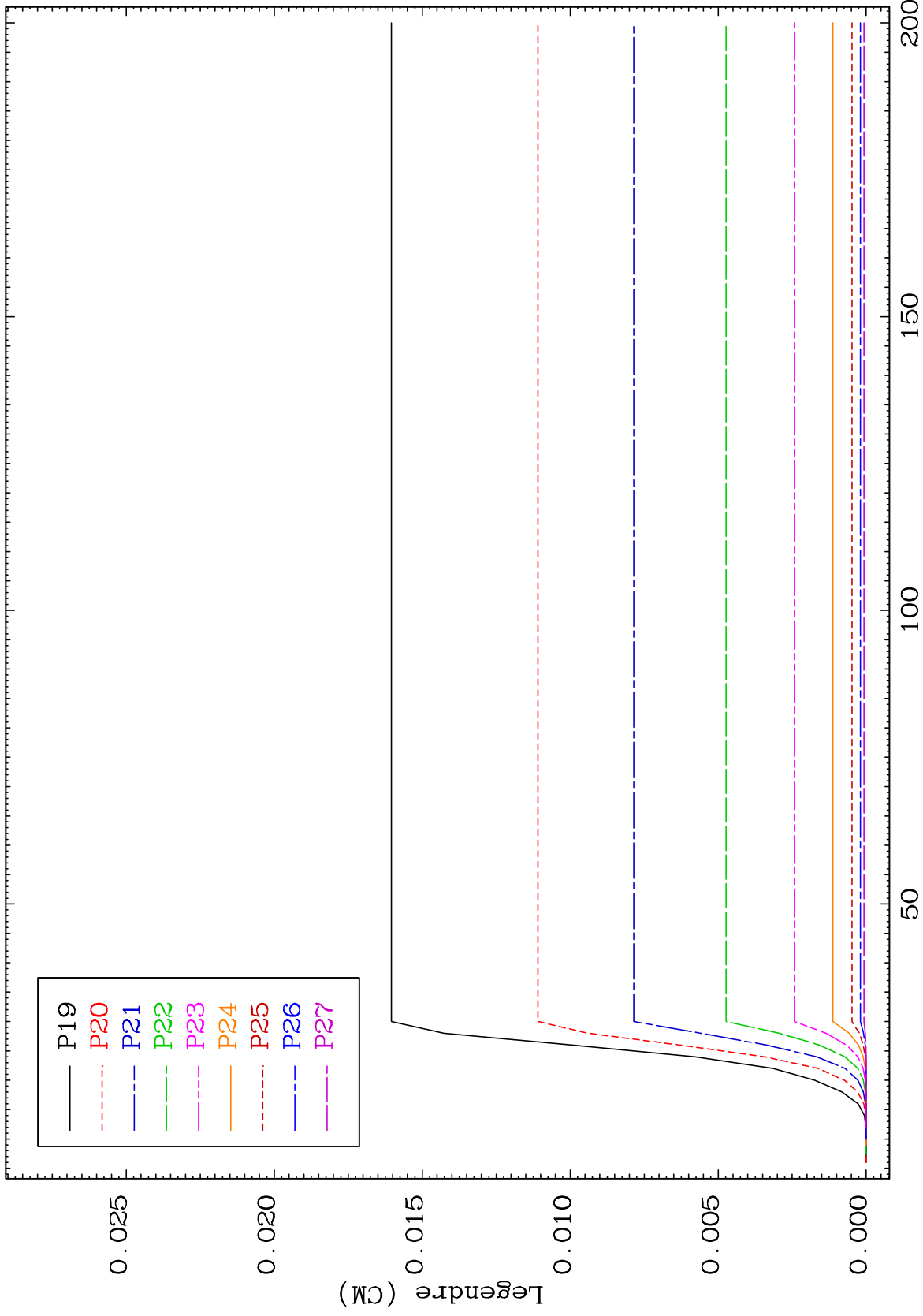
43

71-Lu-172







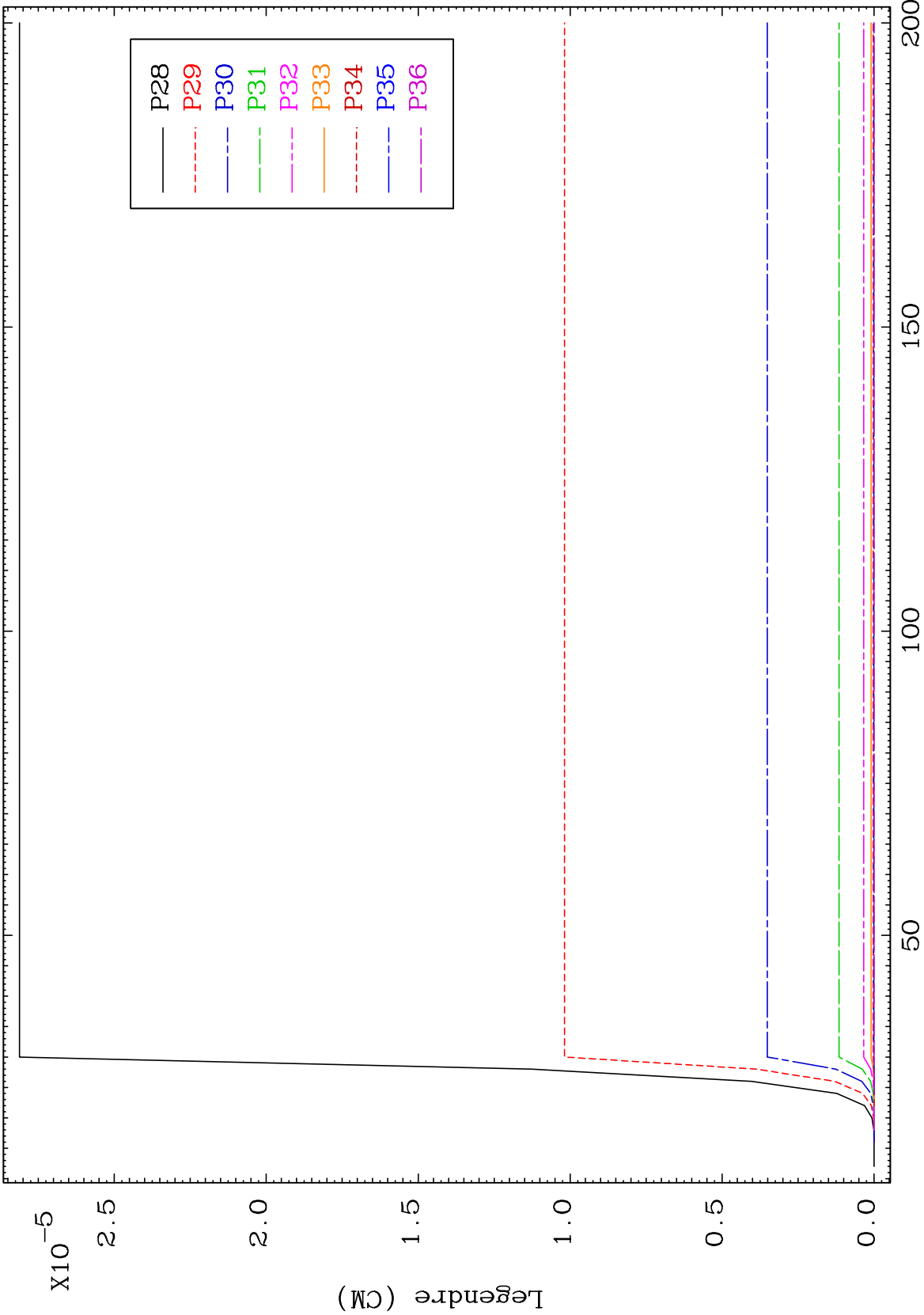




MAT 7116

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

71-Lu-172



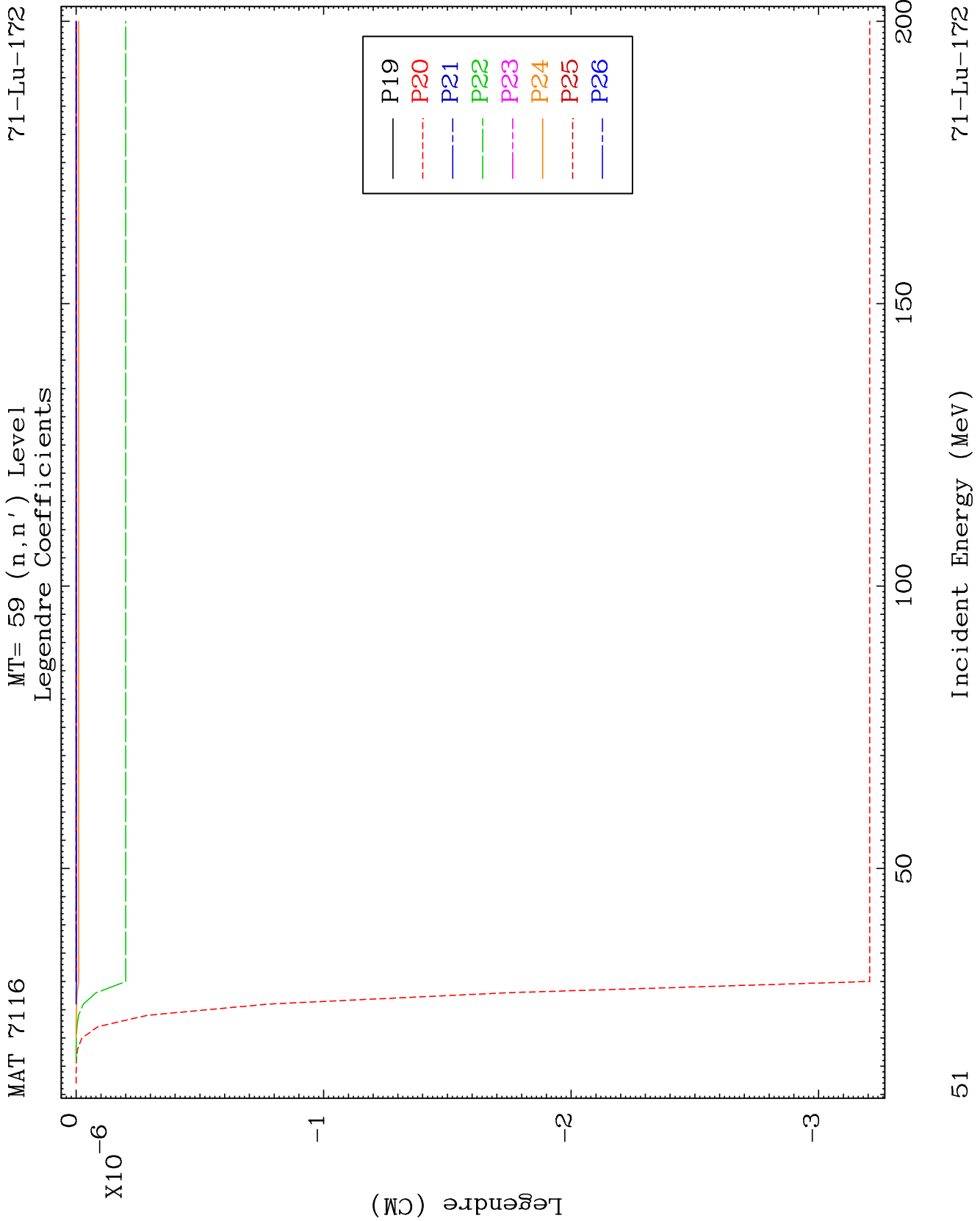
48

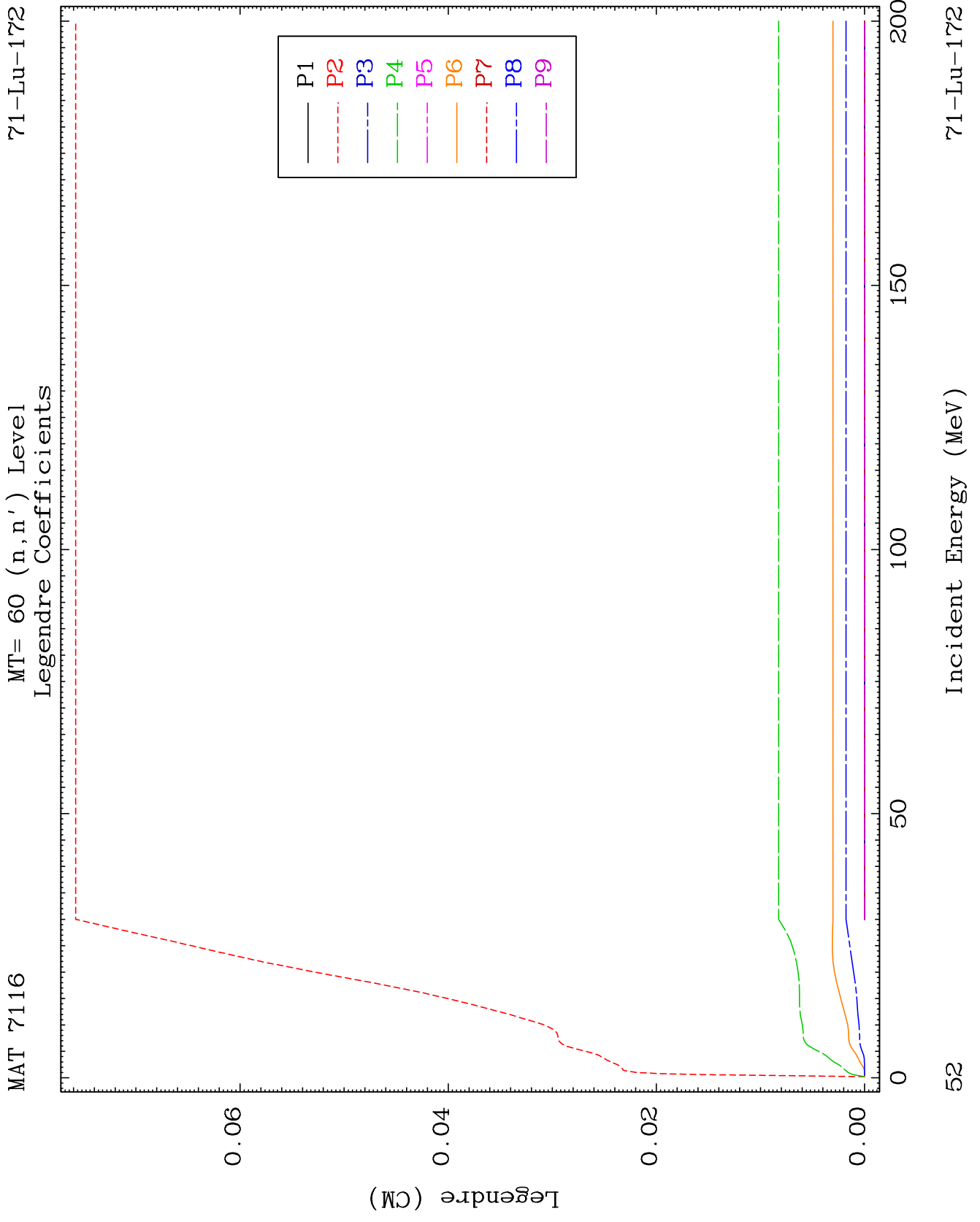
Incident Energy (MeV)

71-Lu-172





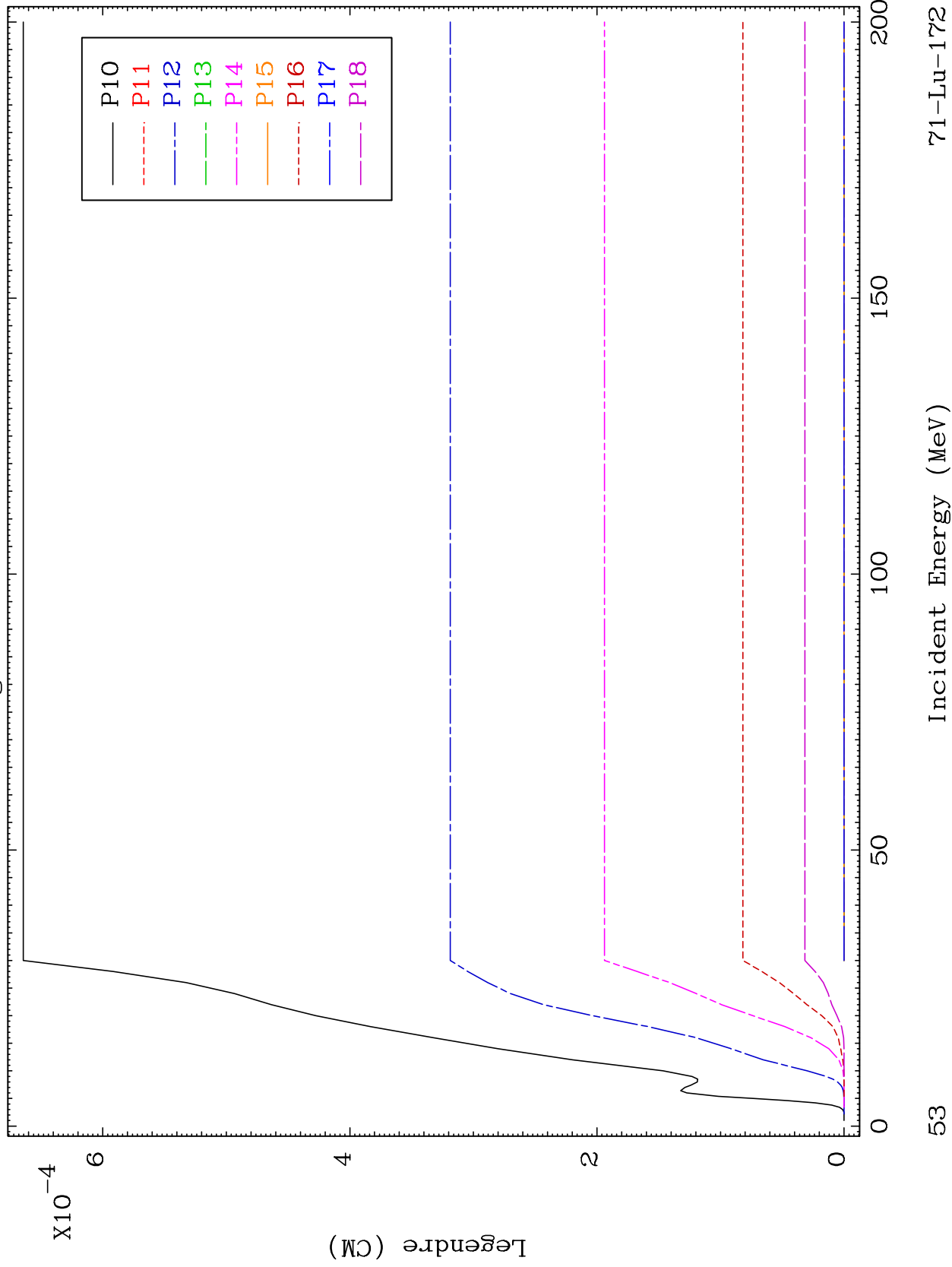


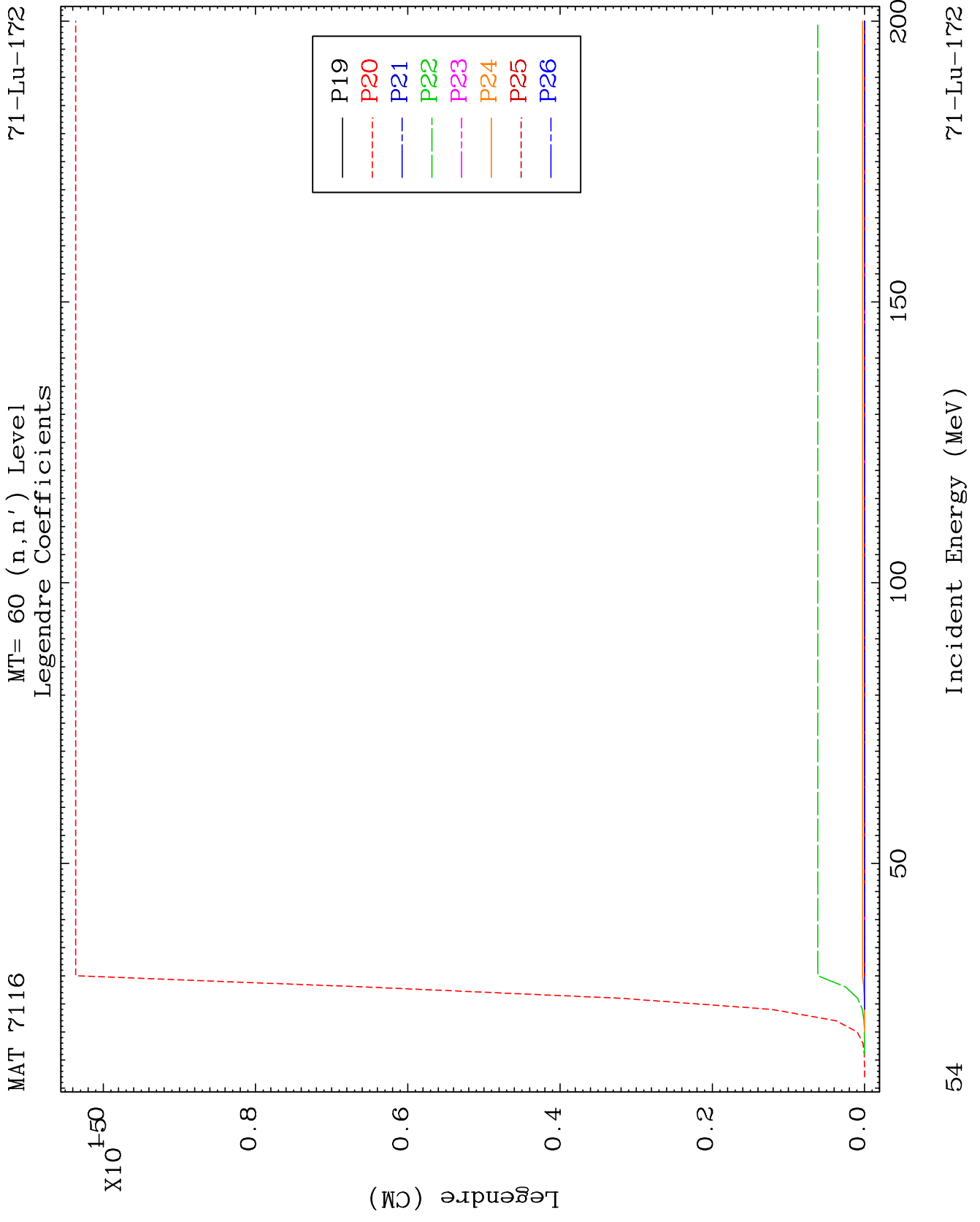


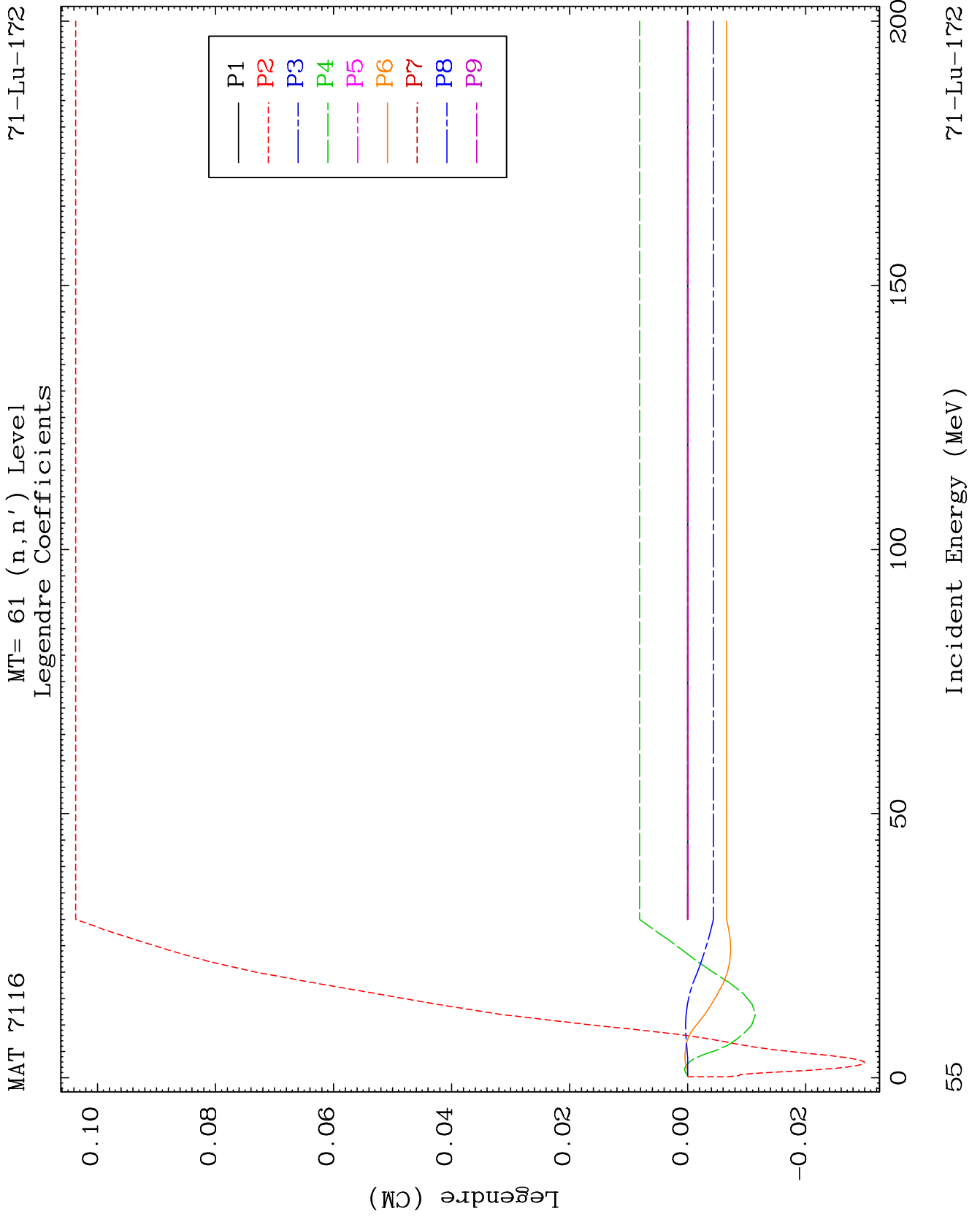
MAT 71116

MT= 60 (n,n') Level  
Legendre Coefficients

71-Lu-172





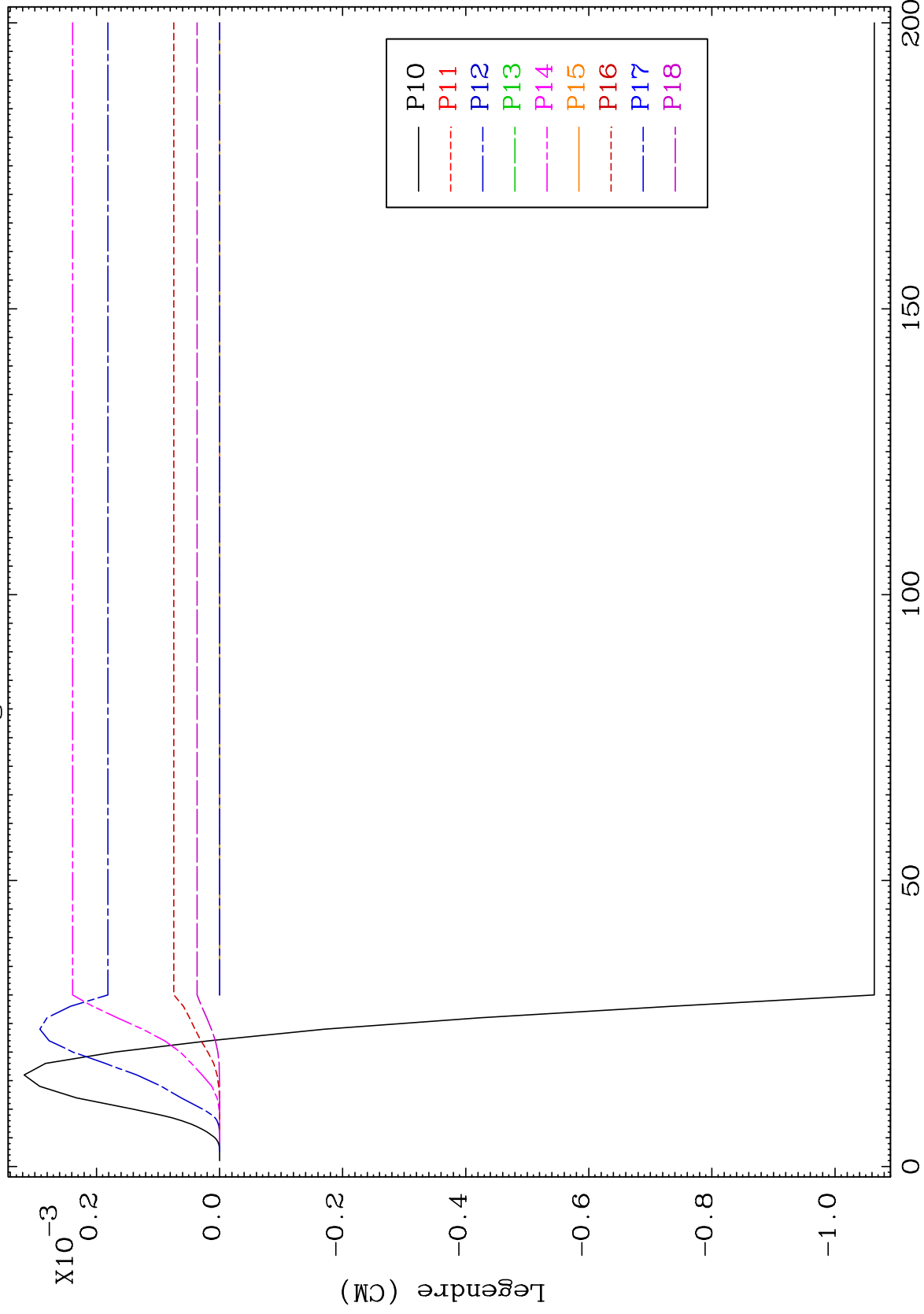




MAT 7116

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

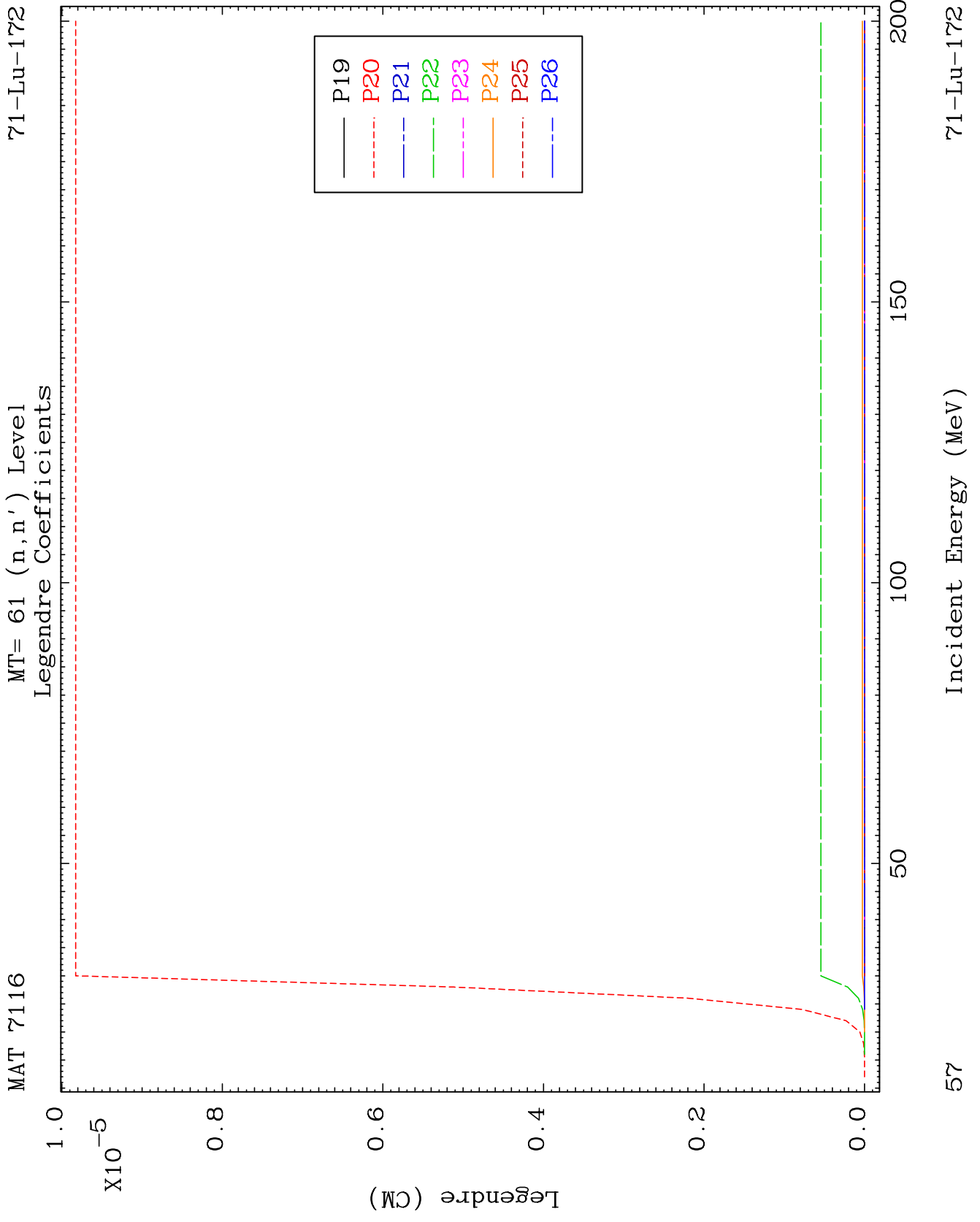
71-Lu-172

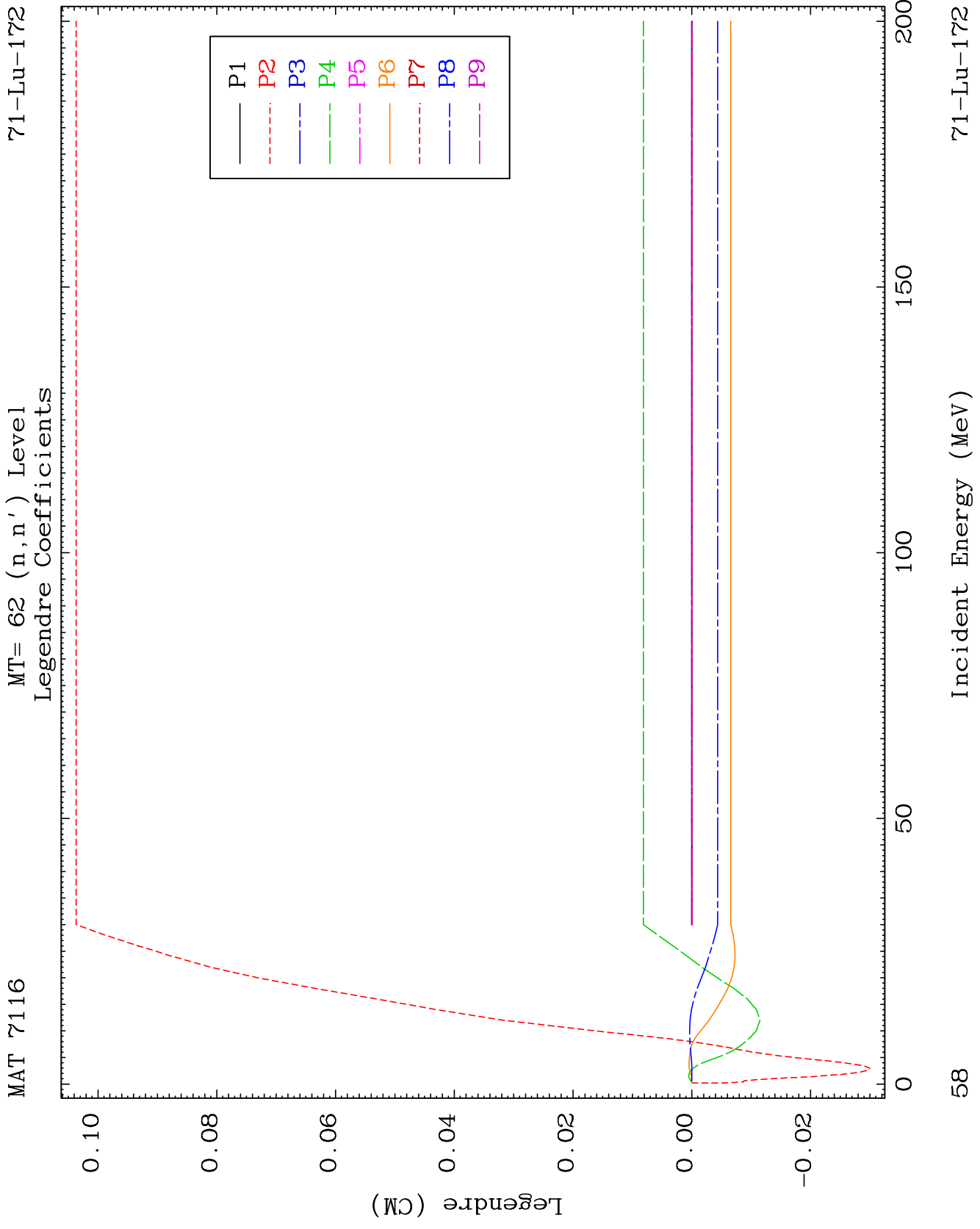


56

Incident Energy (MeV)

71-Lu-172

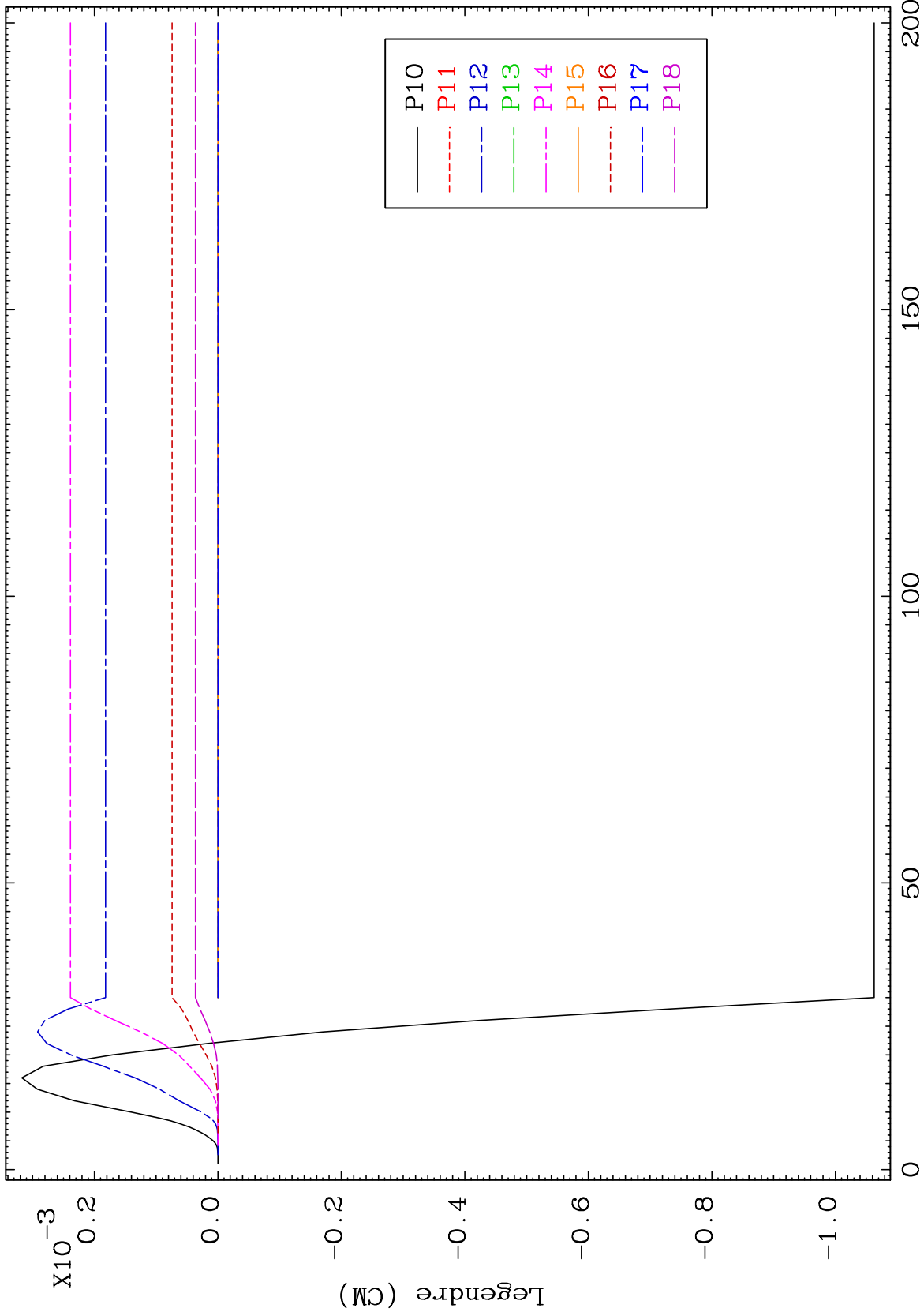




MAT 7116

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

71-Lu-172

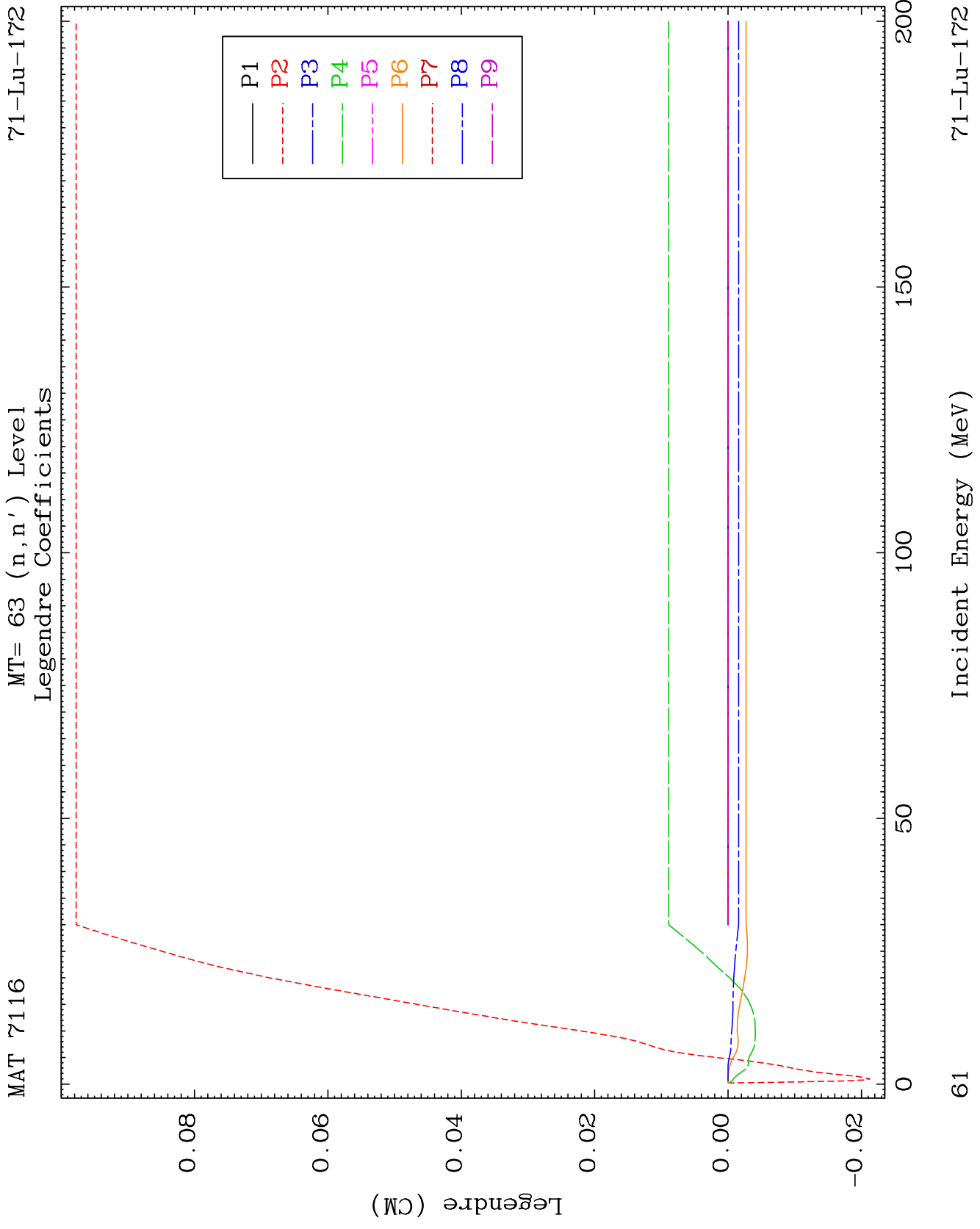


59

Incident Energy (MeV)

71-Lu-172

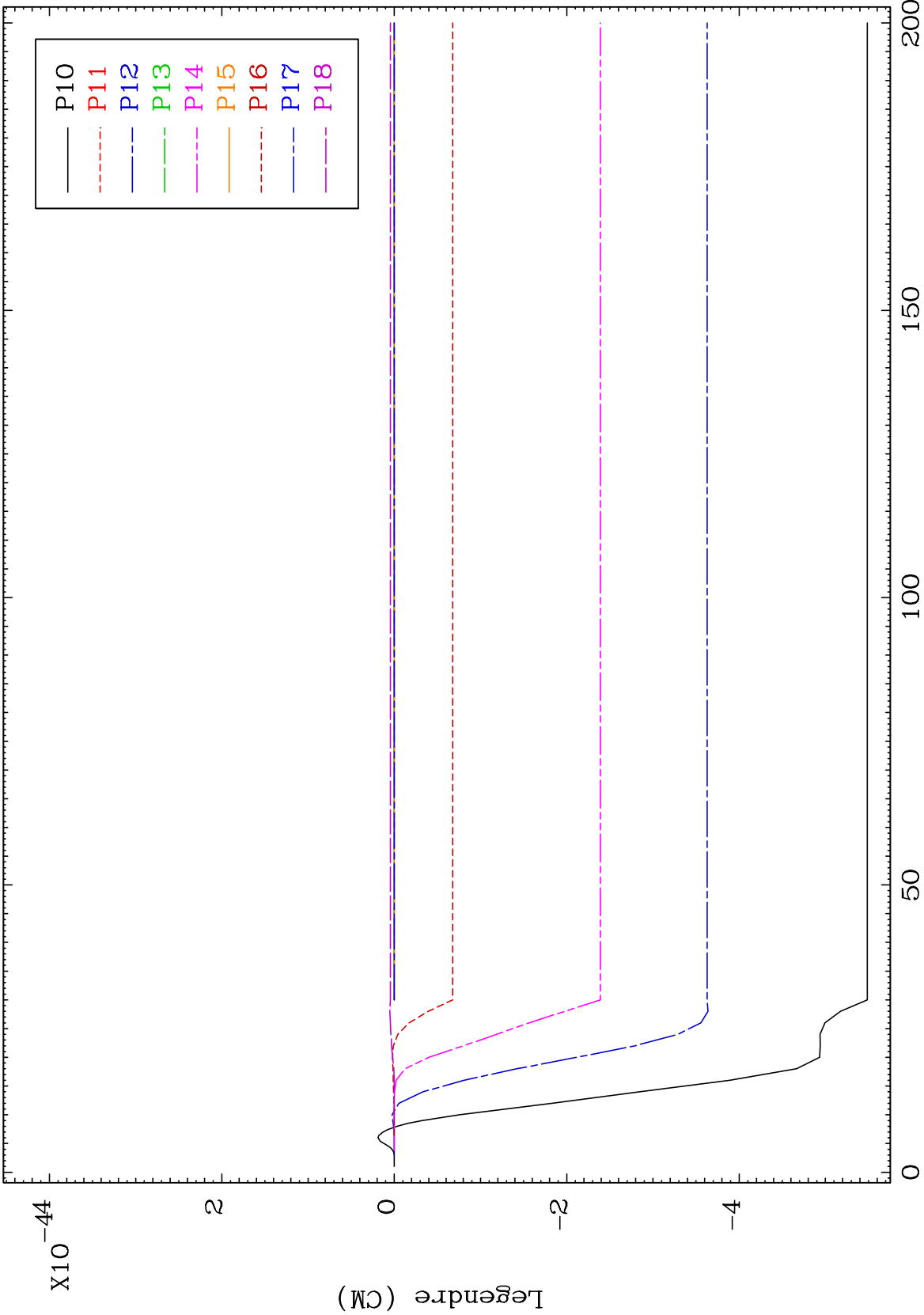




MAT 71116

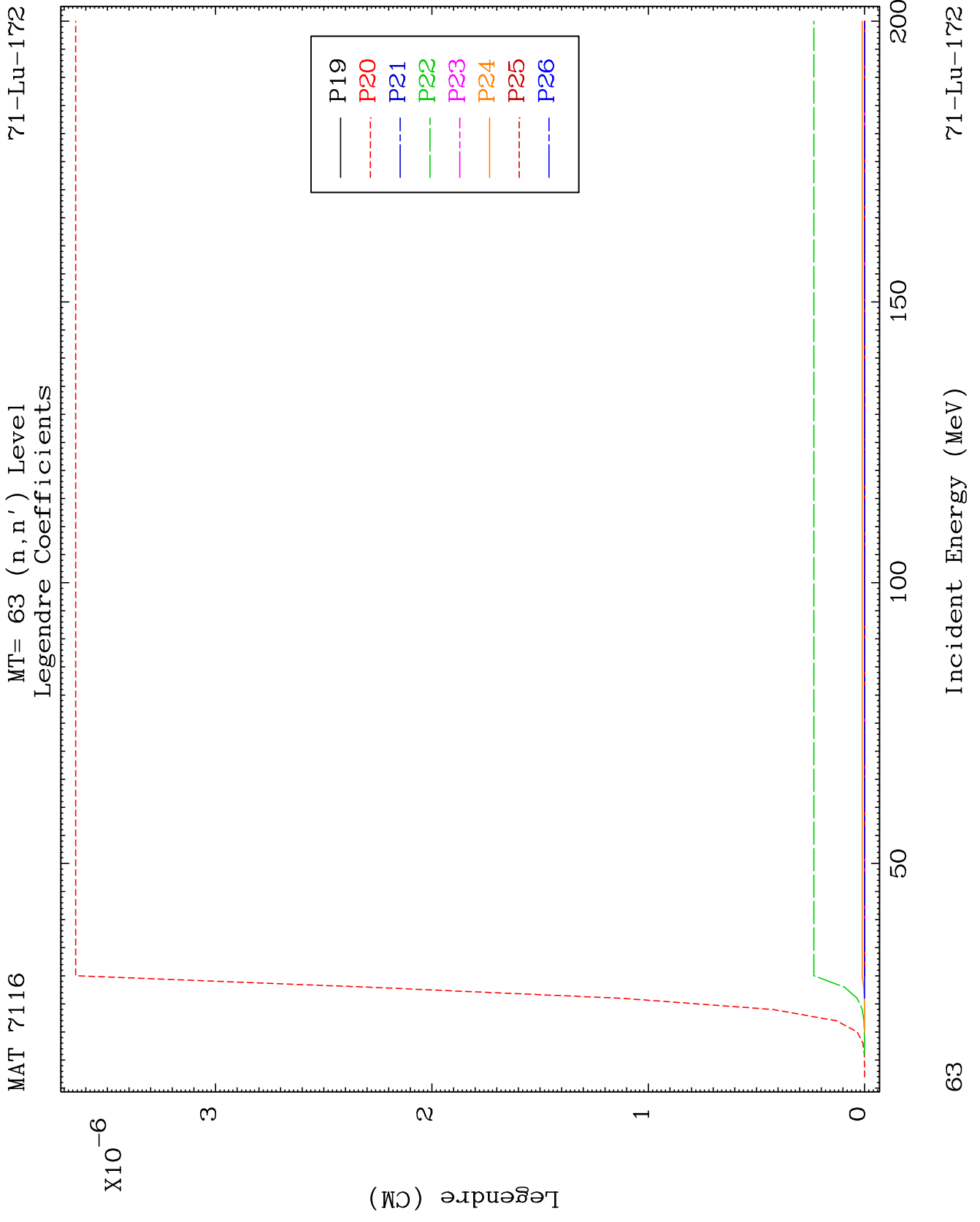
MT= 63 (n,n') Level  
Legendre Coefficients

71-Lu-172



62

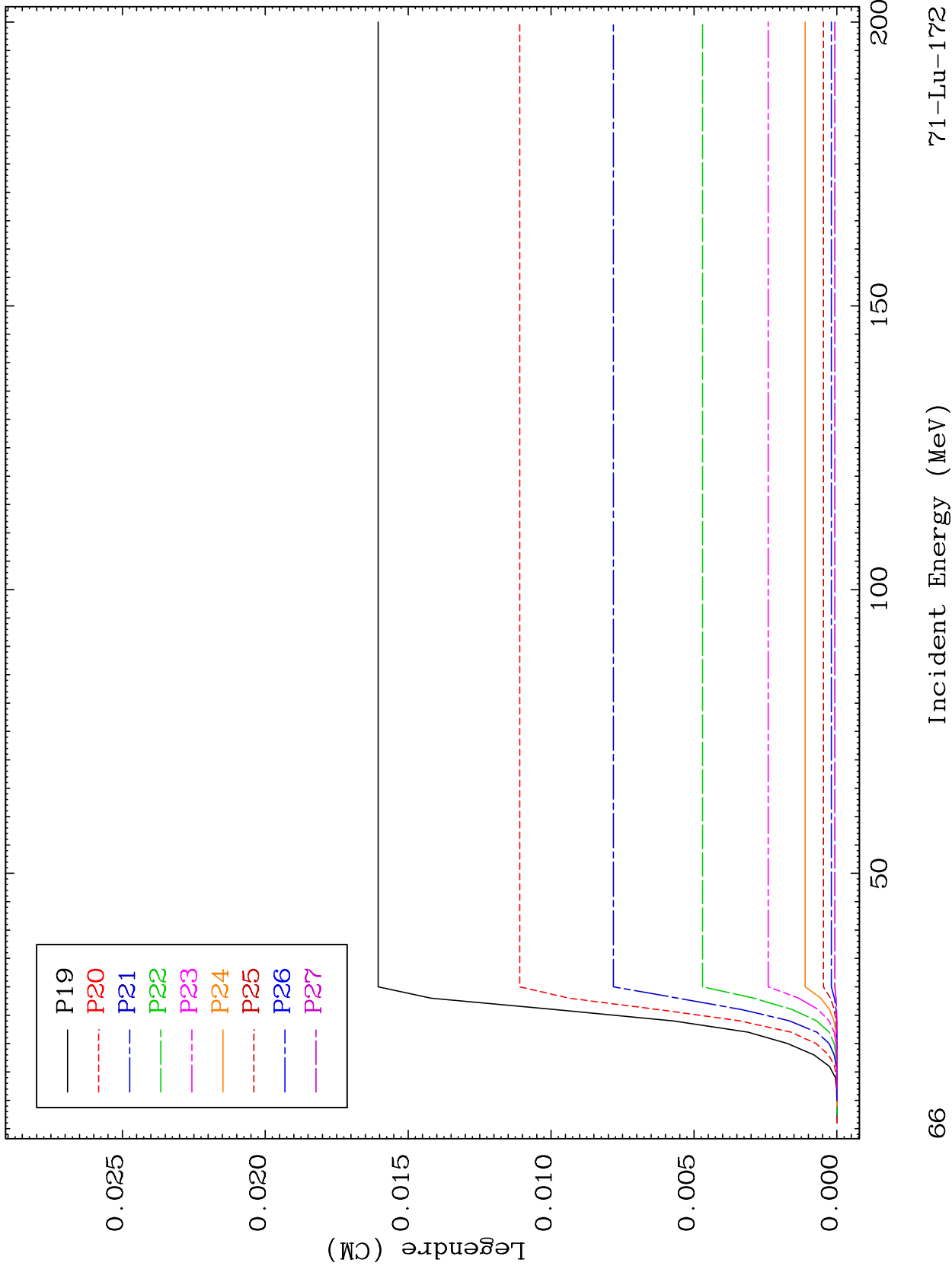
71-Lu-172







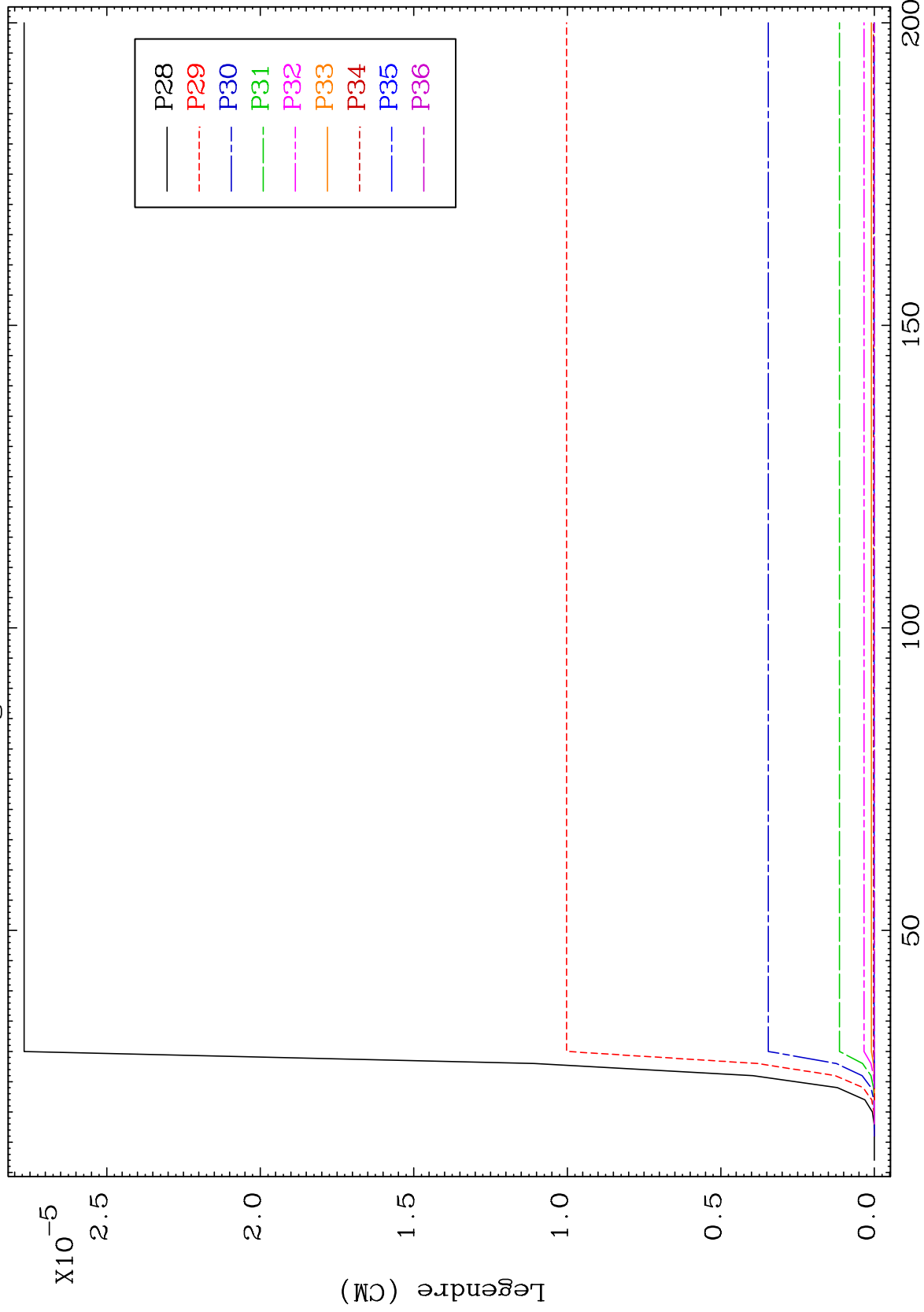




MAT 7116

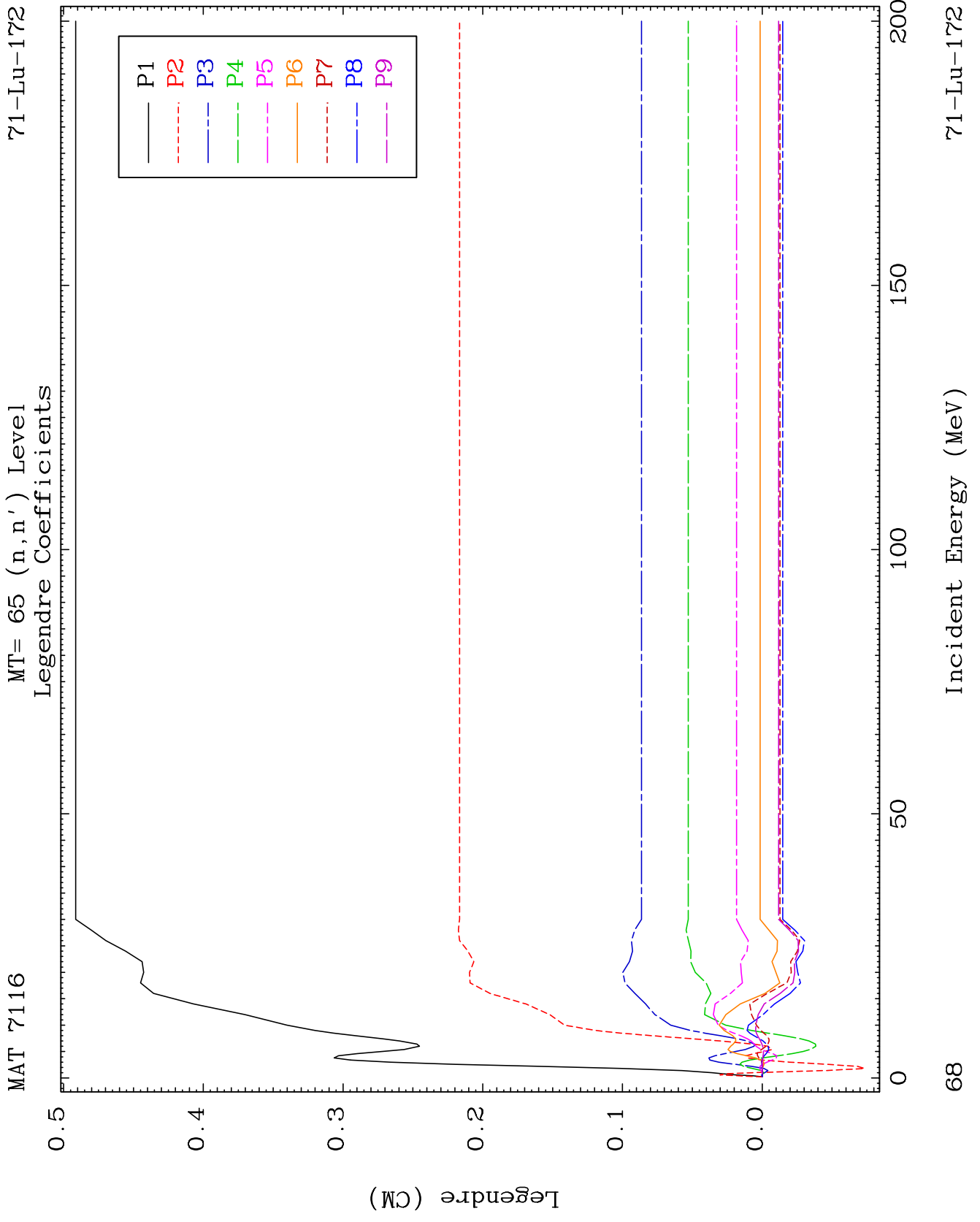
MT= 64 (n,n') Level  
Legendre Coefficients

71-Lu-172



67

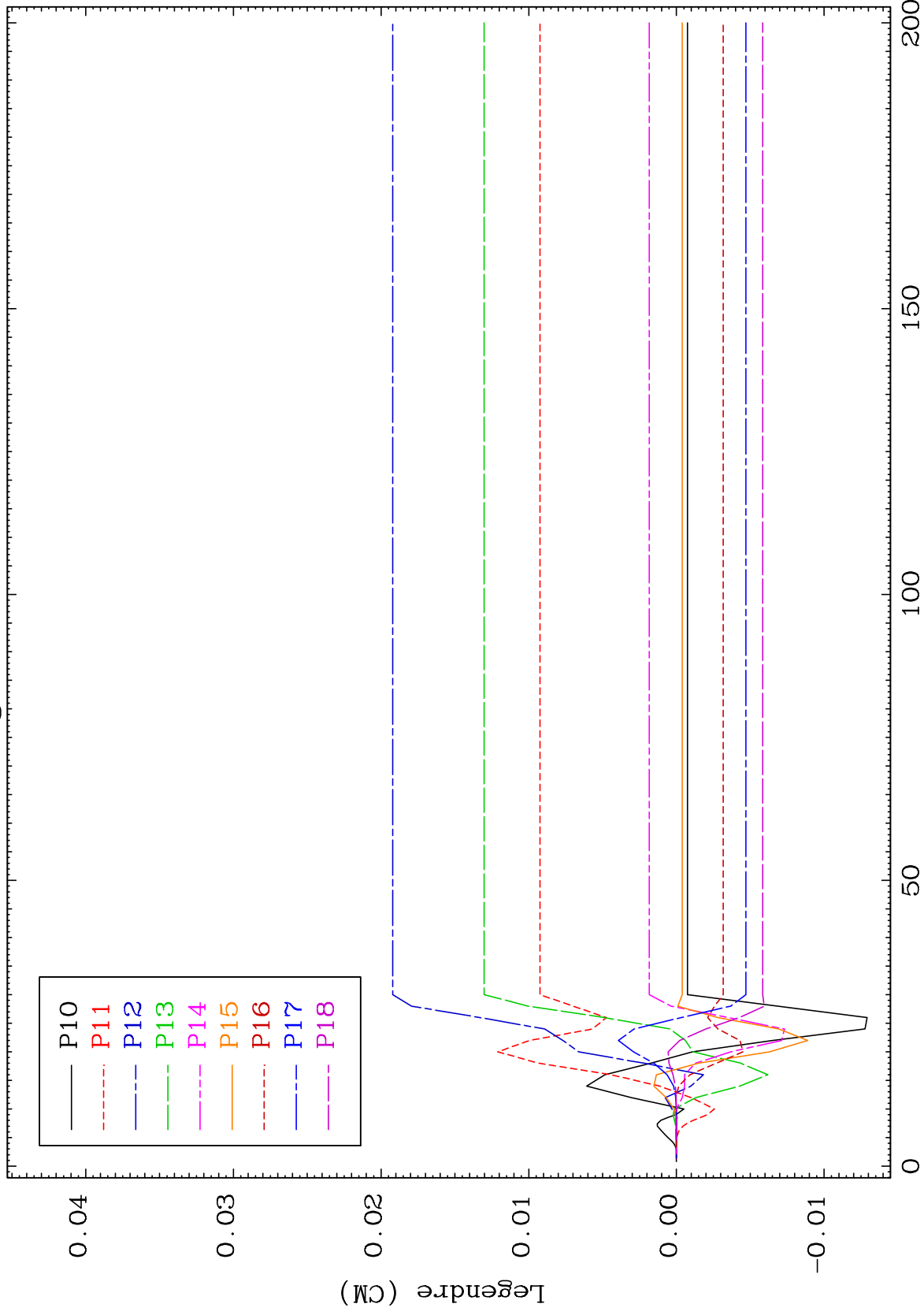
71-Lu-172



MAT 7116

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

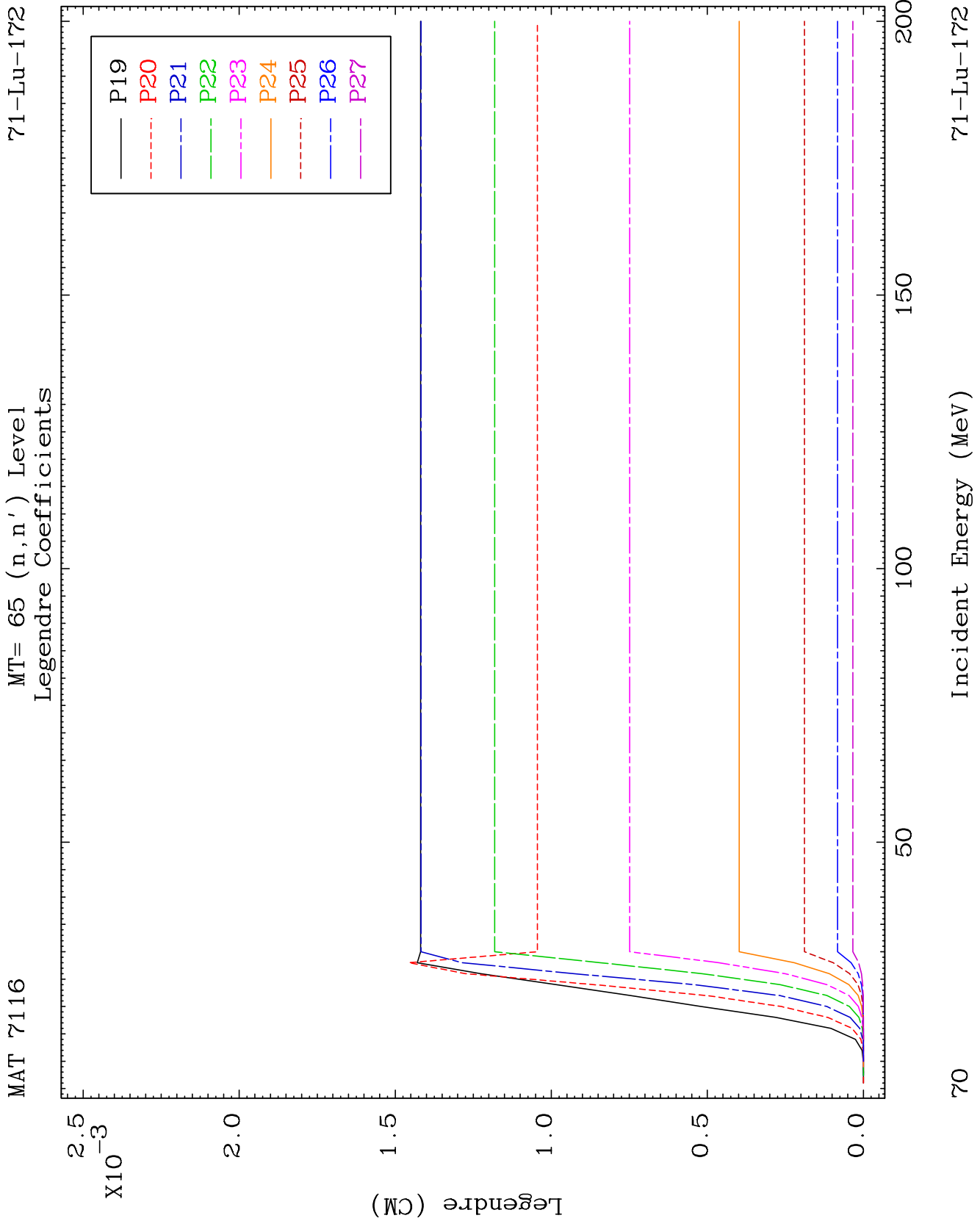
71-Lu-172



69

Incident Energy (MeV)

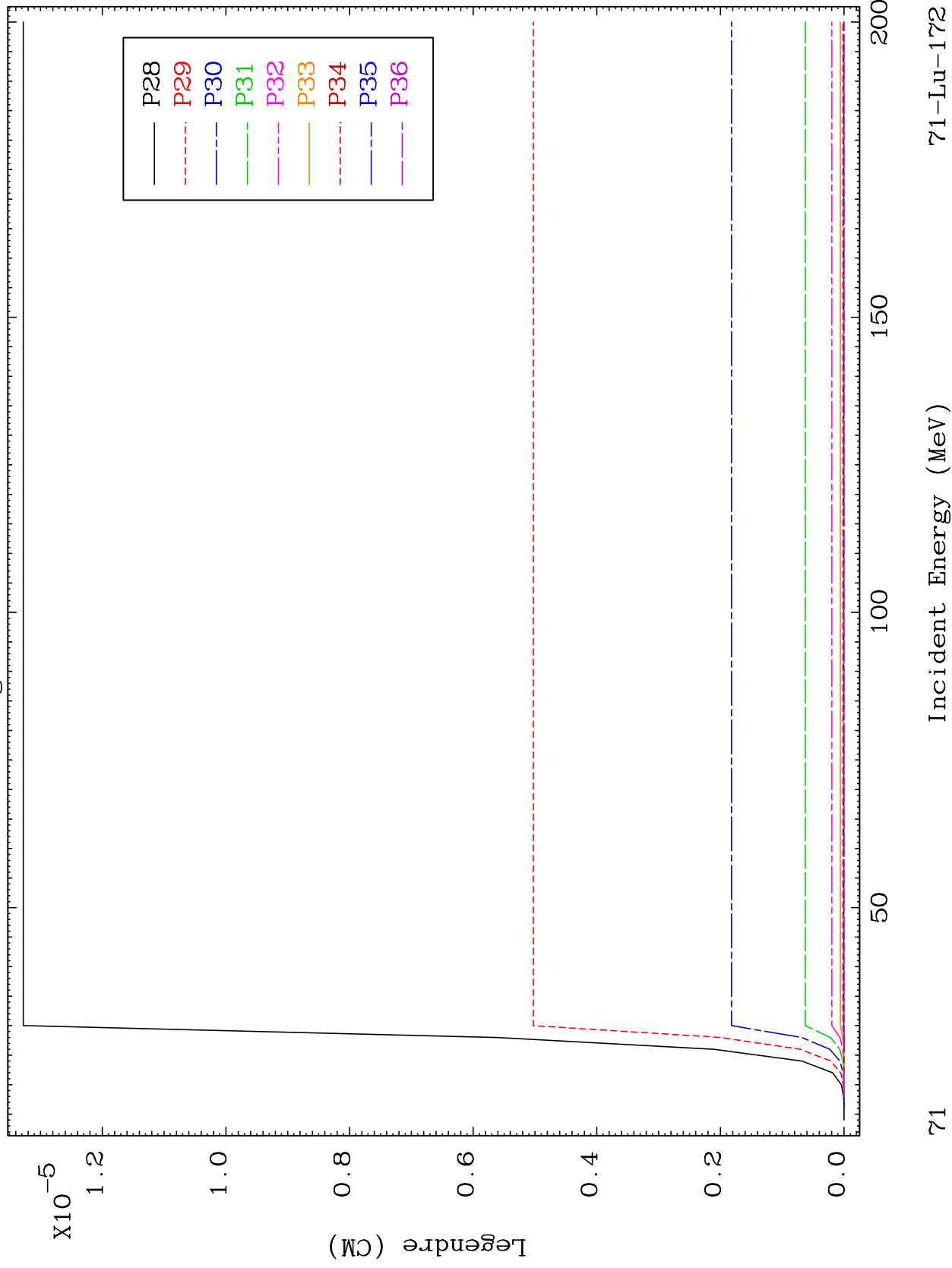
71-Lu-172



MAT 7116

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

71-Lu-172



71

Incident Energy (MeV)

71-Lu-172

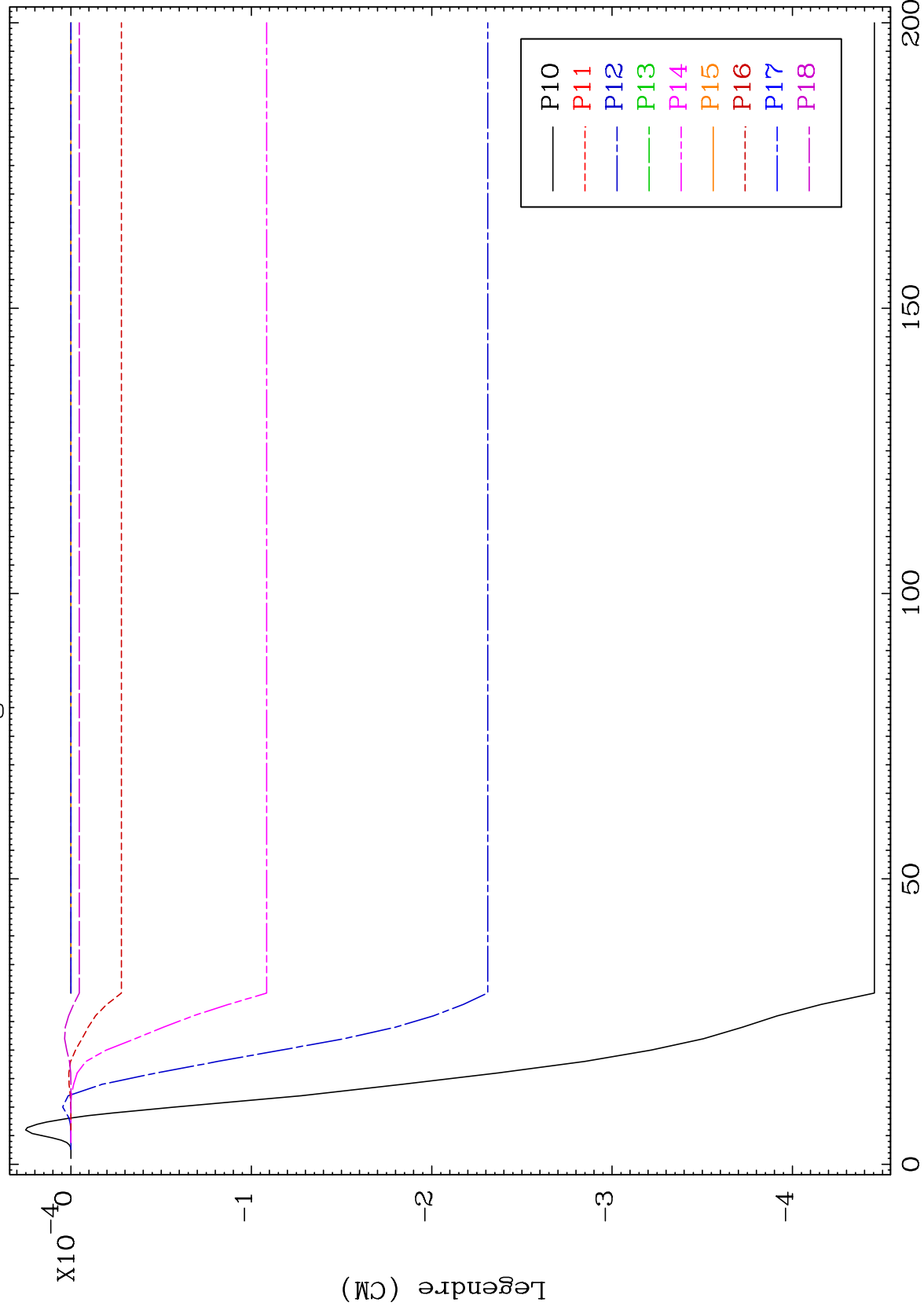




MAT 7116

MT= 66 (n,n') Level  
Legendre Coefficients

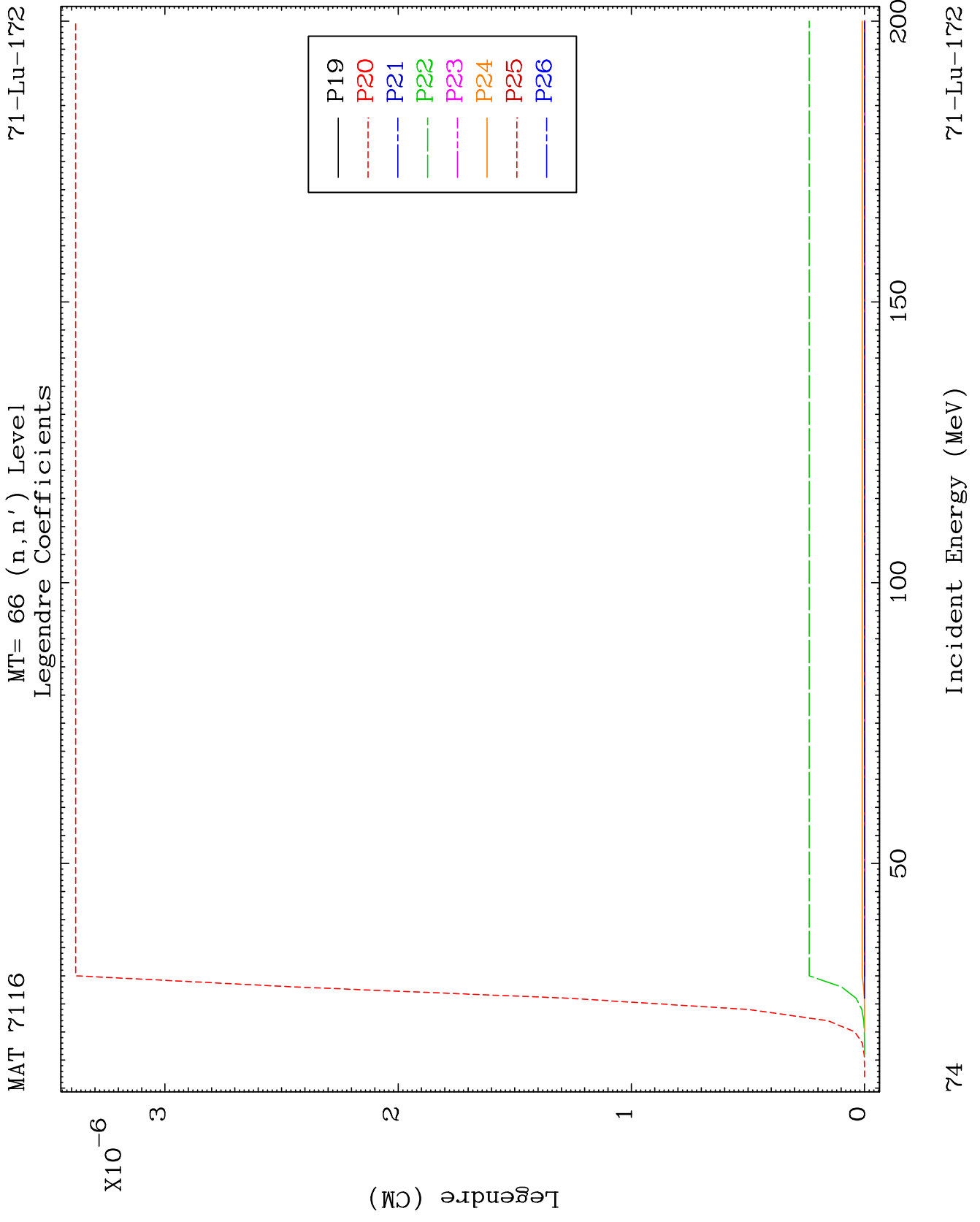
71-Lu-172



73

Incident Energy (MeV)

71-Lu-172

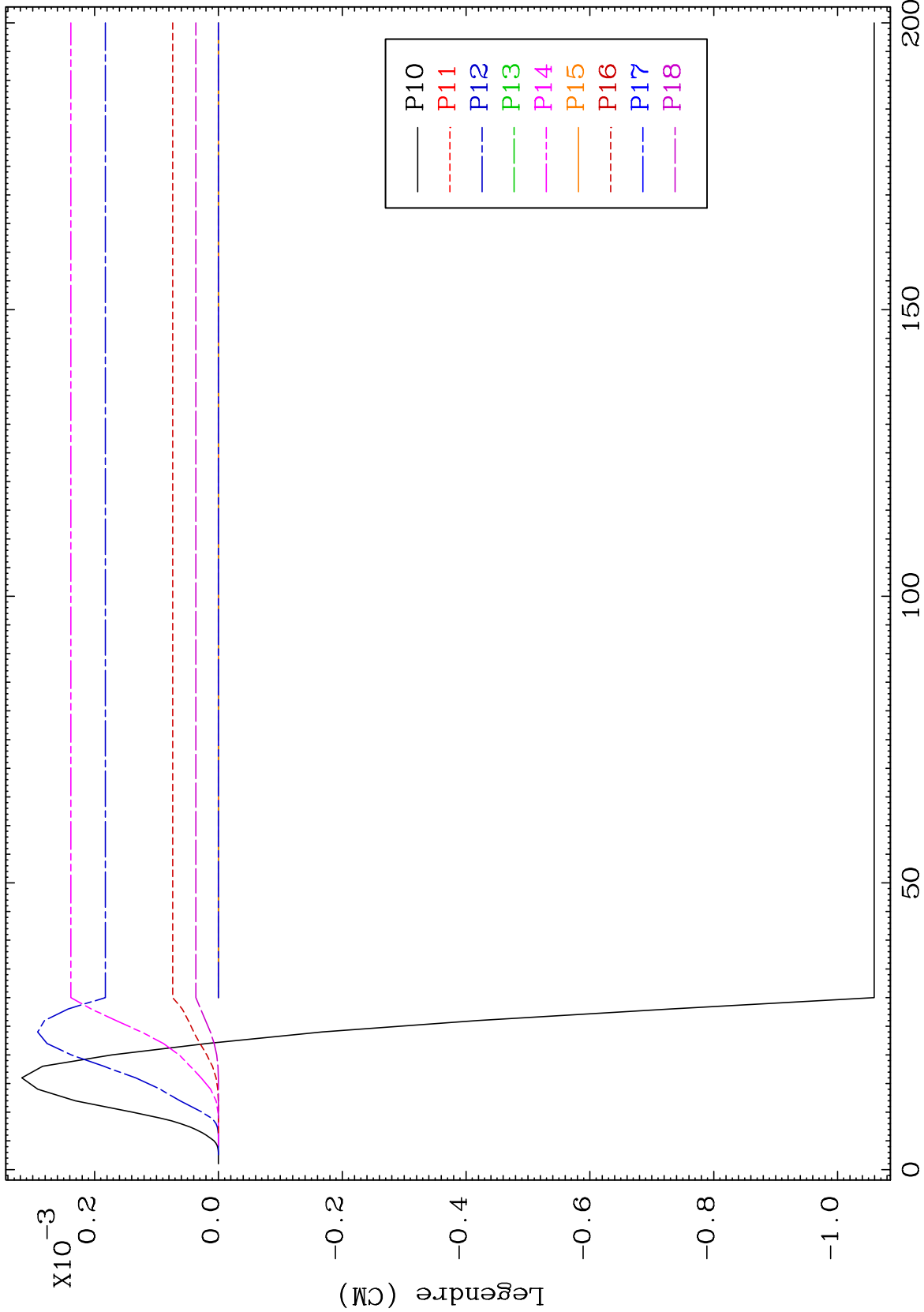




MAT 7116

MT= 67 (n,n') Level  
Legendre Coefficients

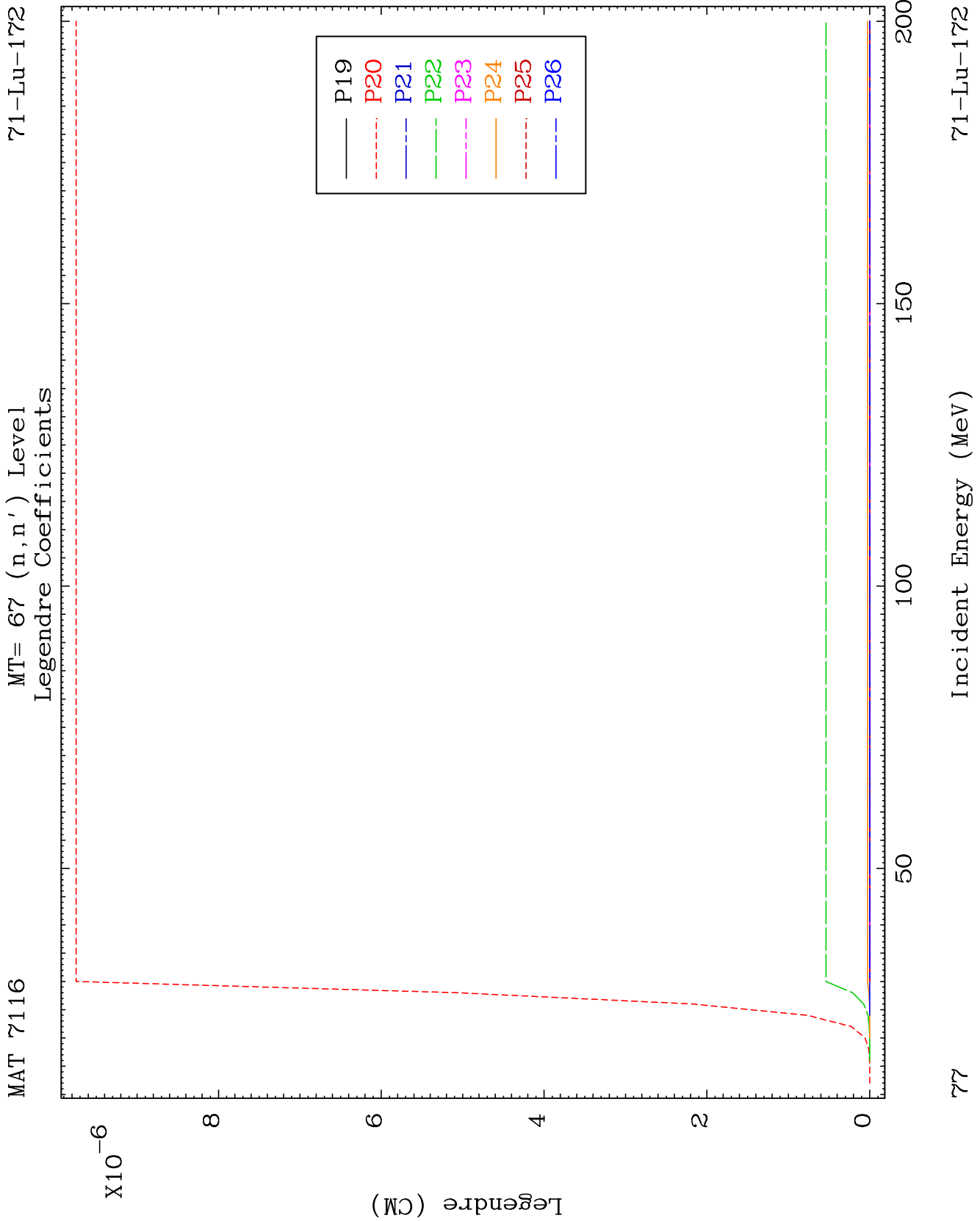
71-Lu-172

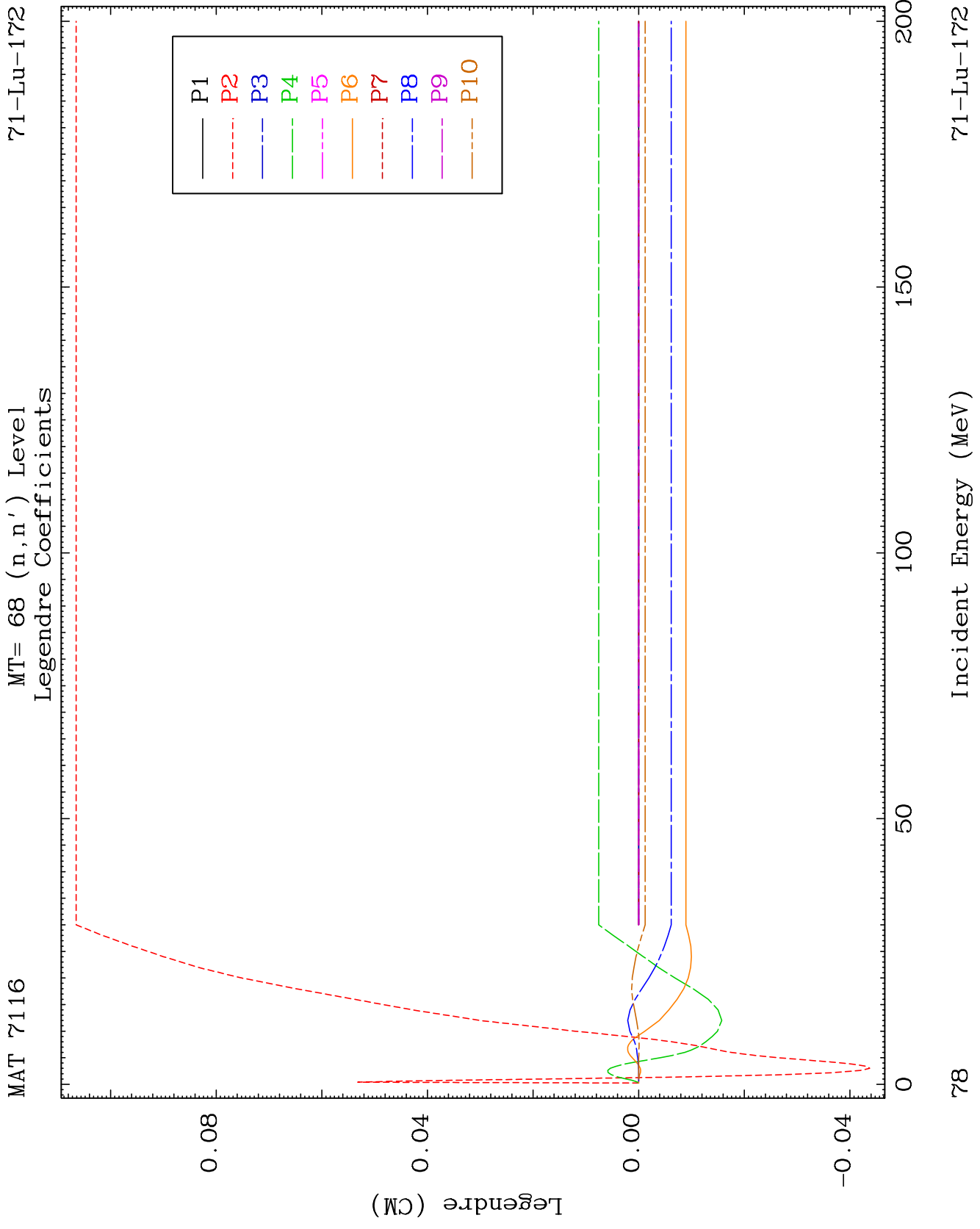


76

Incident Energy (MeV)

71-Lu-172

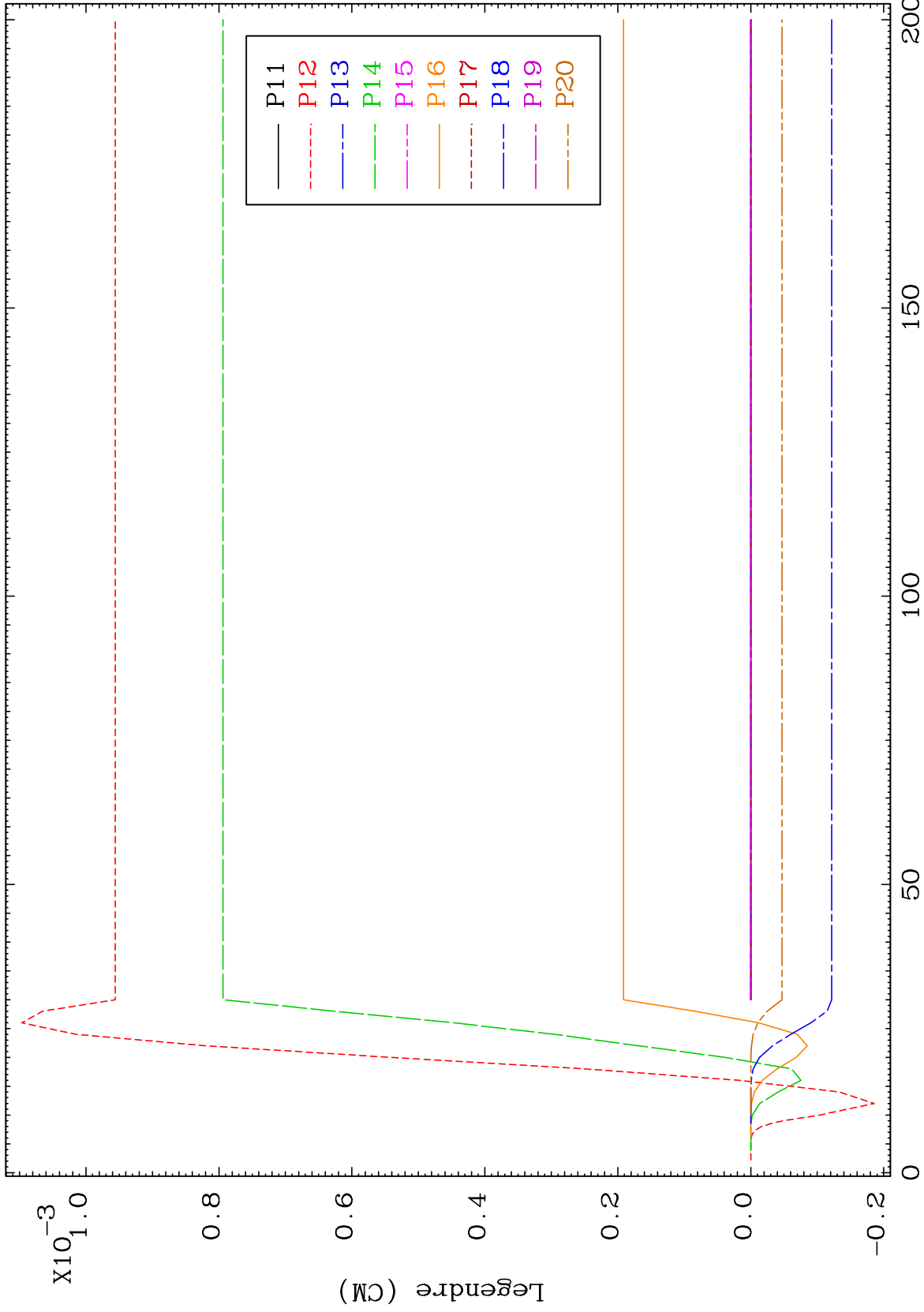




MAT 7116

MT= 68 (n,n') Level  
Legendre Coefficients

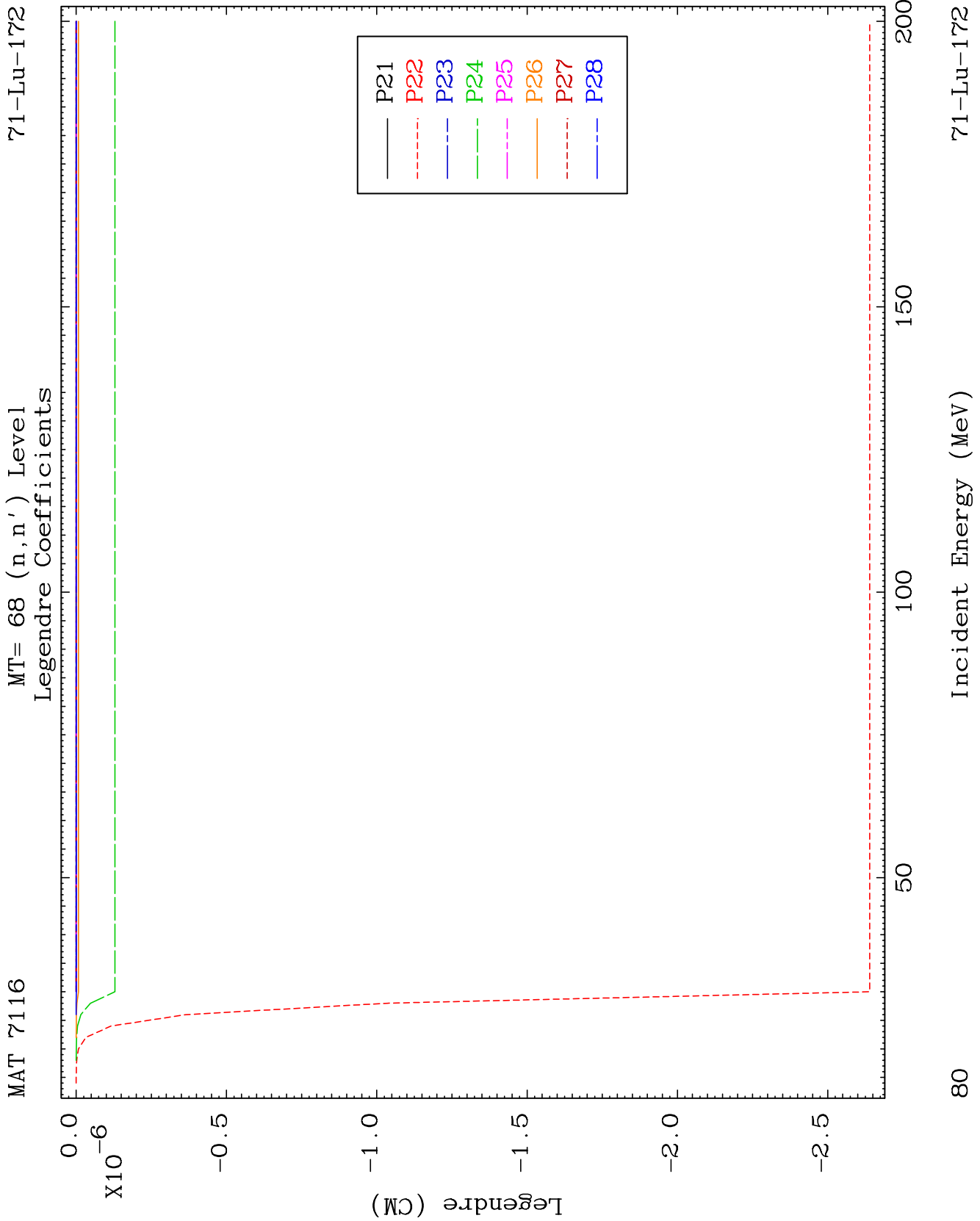
71-Lu-172

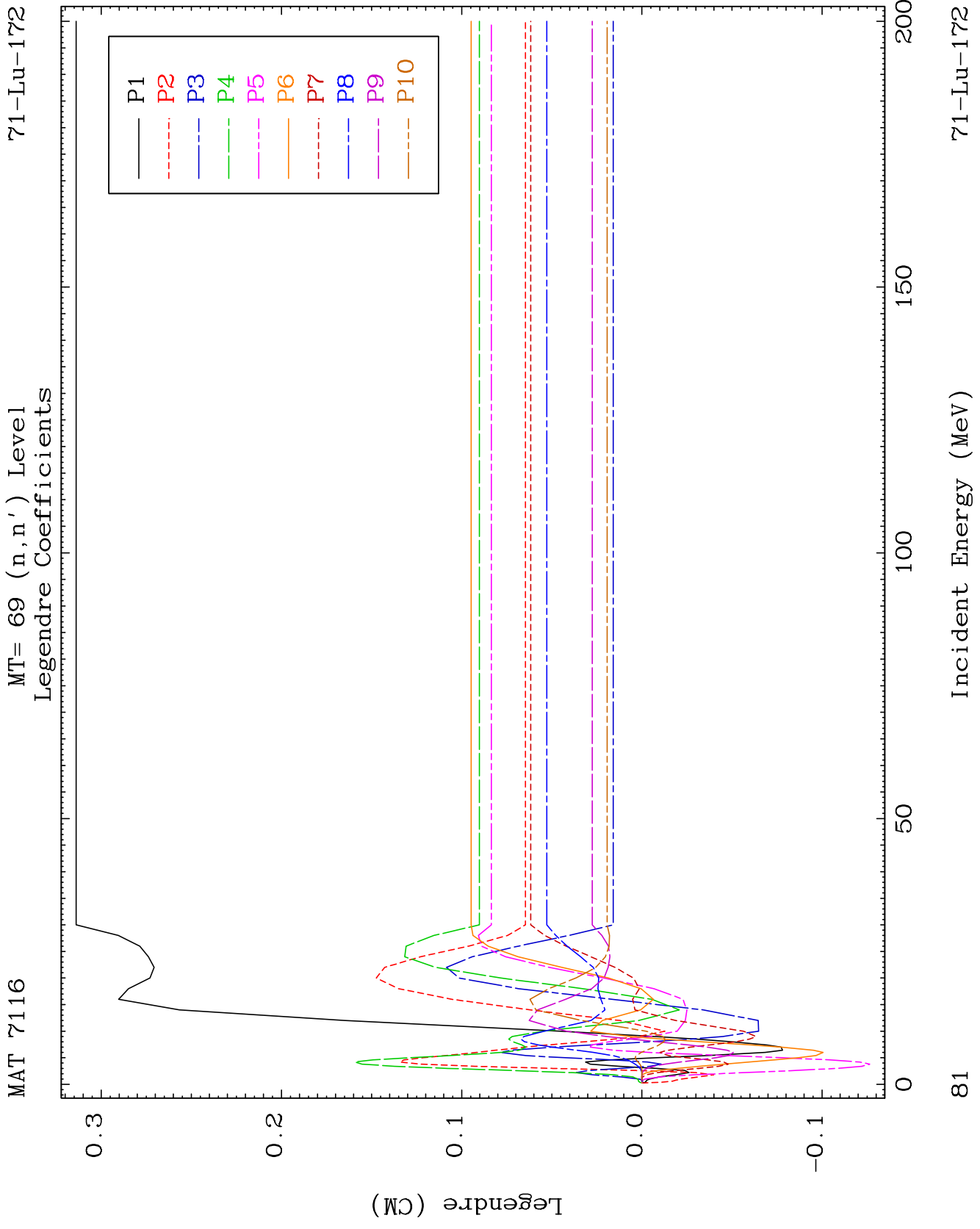


79

71-Lu-172



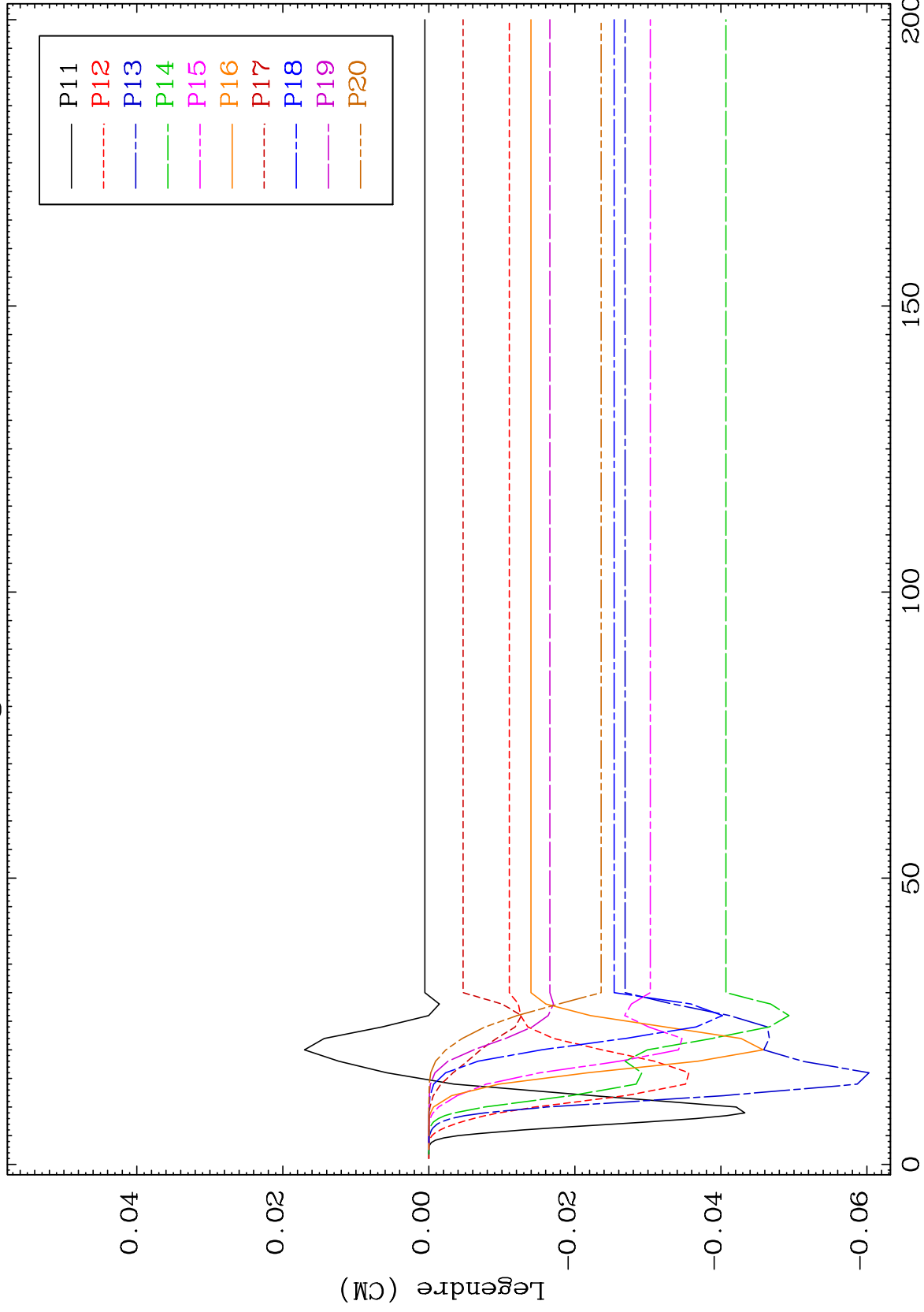




MAT 7116

MT= 69 (n,n') Level  
Legendre Coefficients

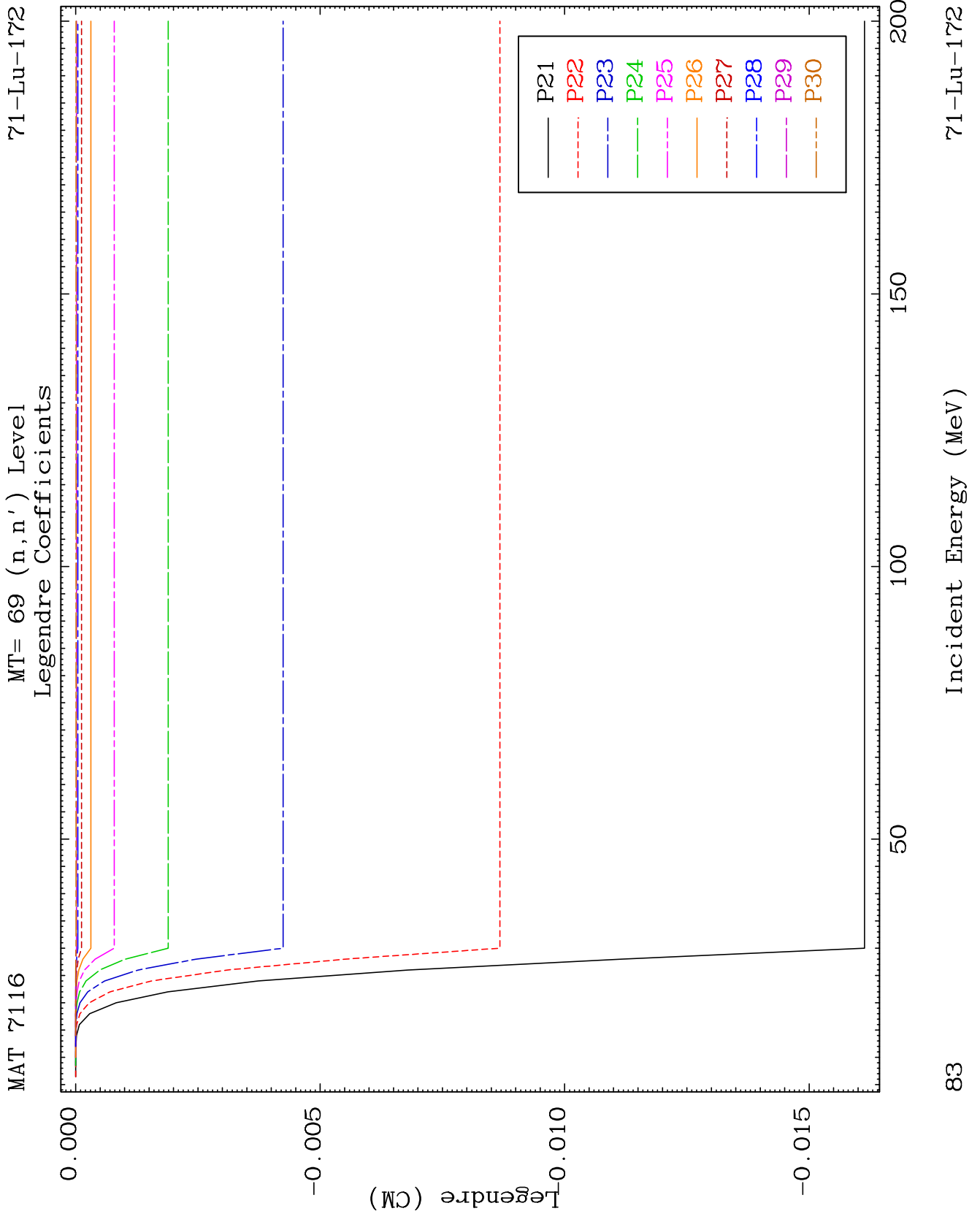
71-Lu-172



82

Incident Energy (MeV)

71-Lu-172

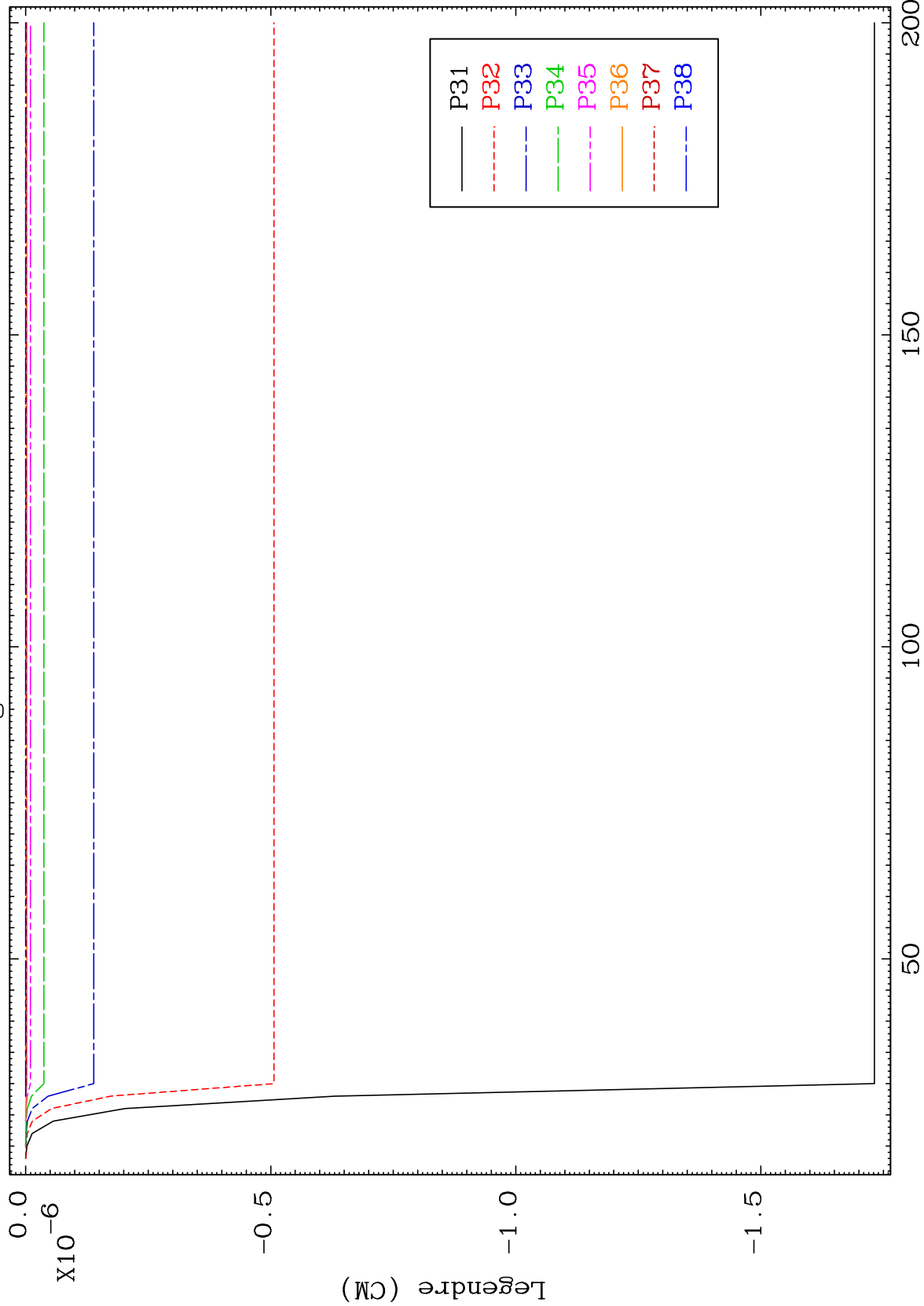


MAT 7116

MT= 69 (n,n') Level

71-Lu-172

Legendre Coefficients



84

Incident Energy (MeV)

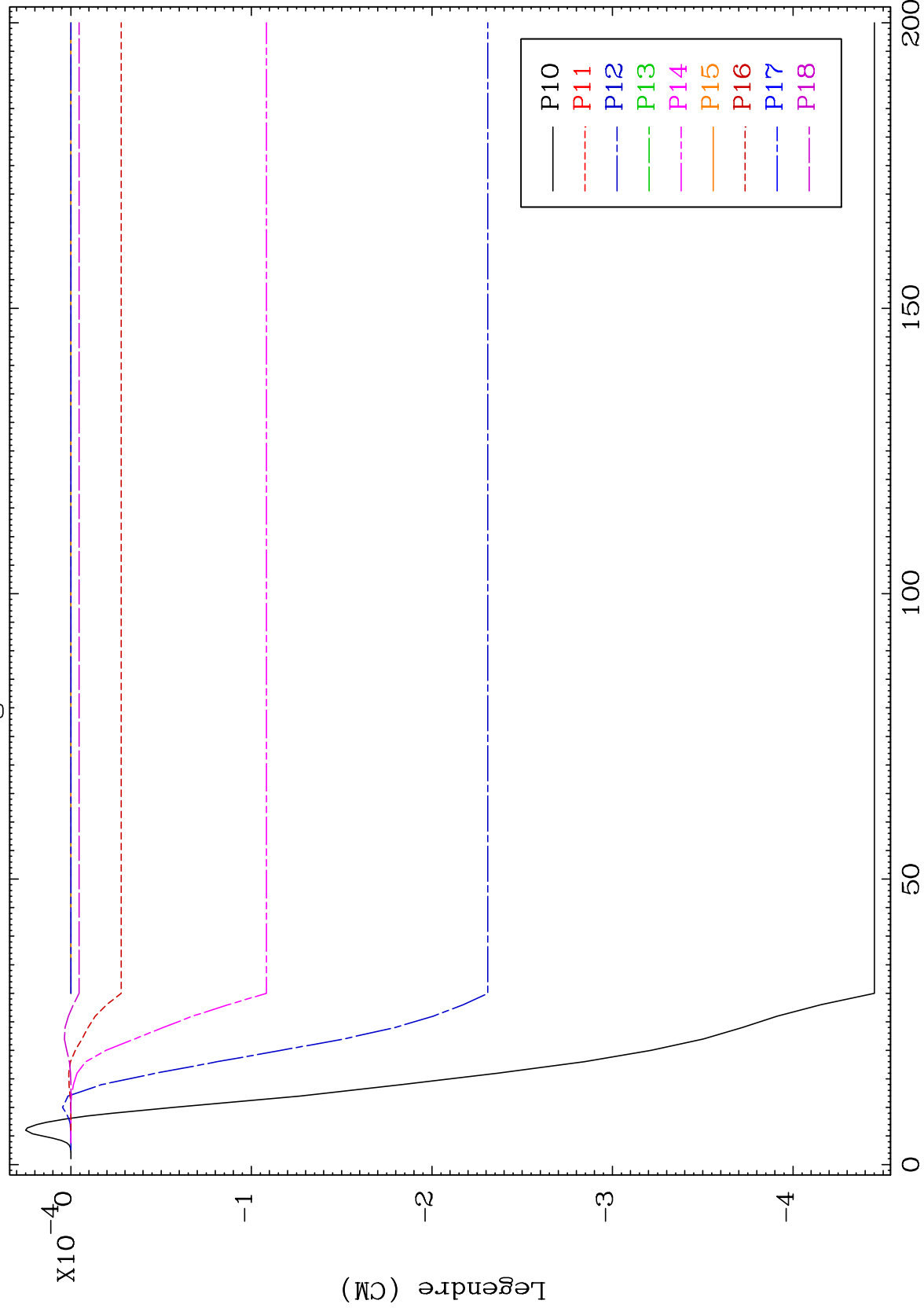
71-Lu-172



MAT 7116

MT= 70 (n,n') Level  
Legendre Coefficients

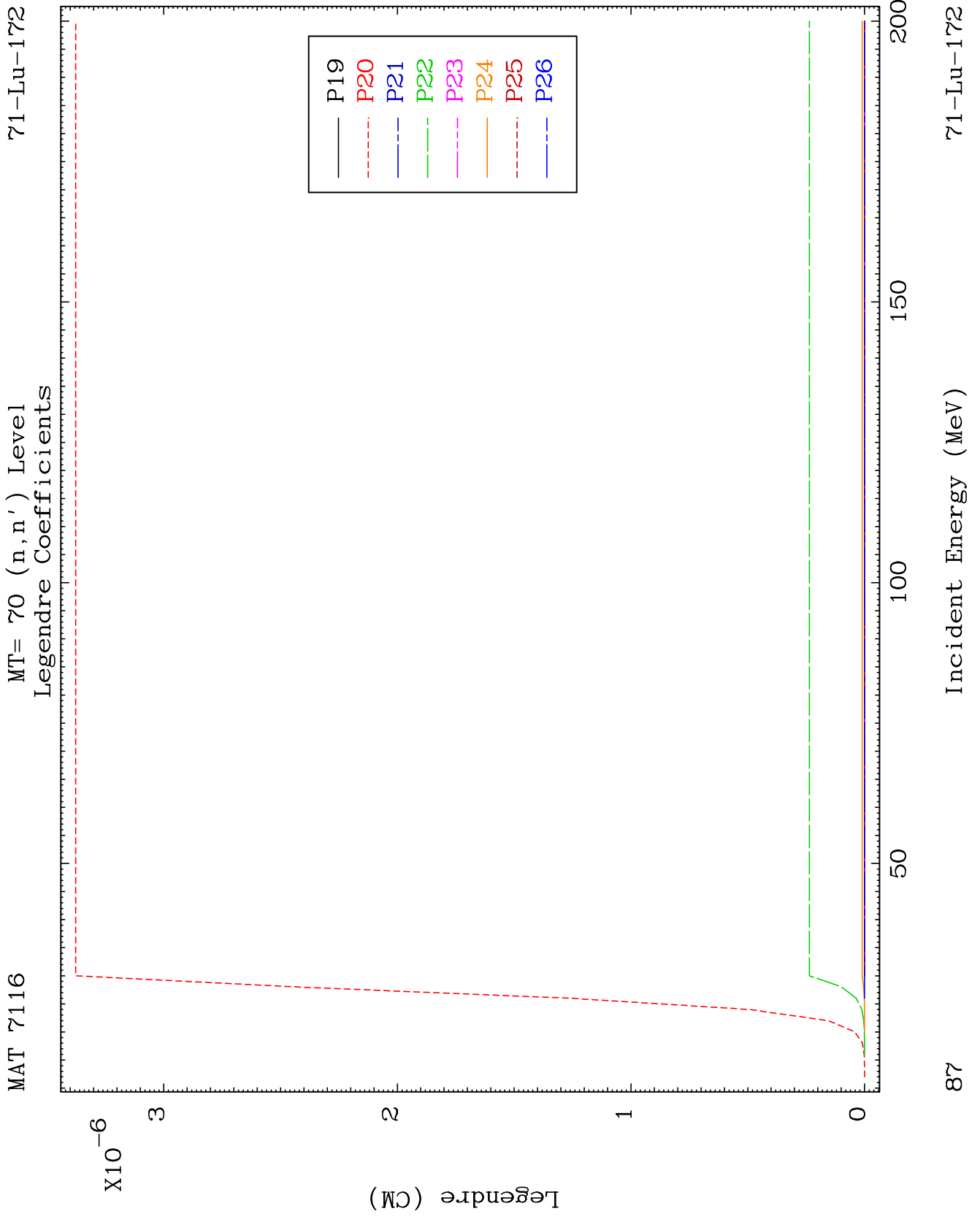
71-Lu-172



86

Incident Energy (MeV)

71-Lu-172



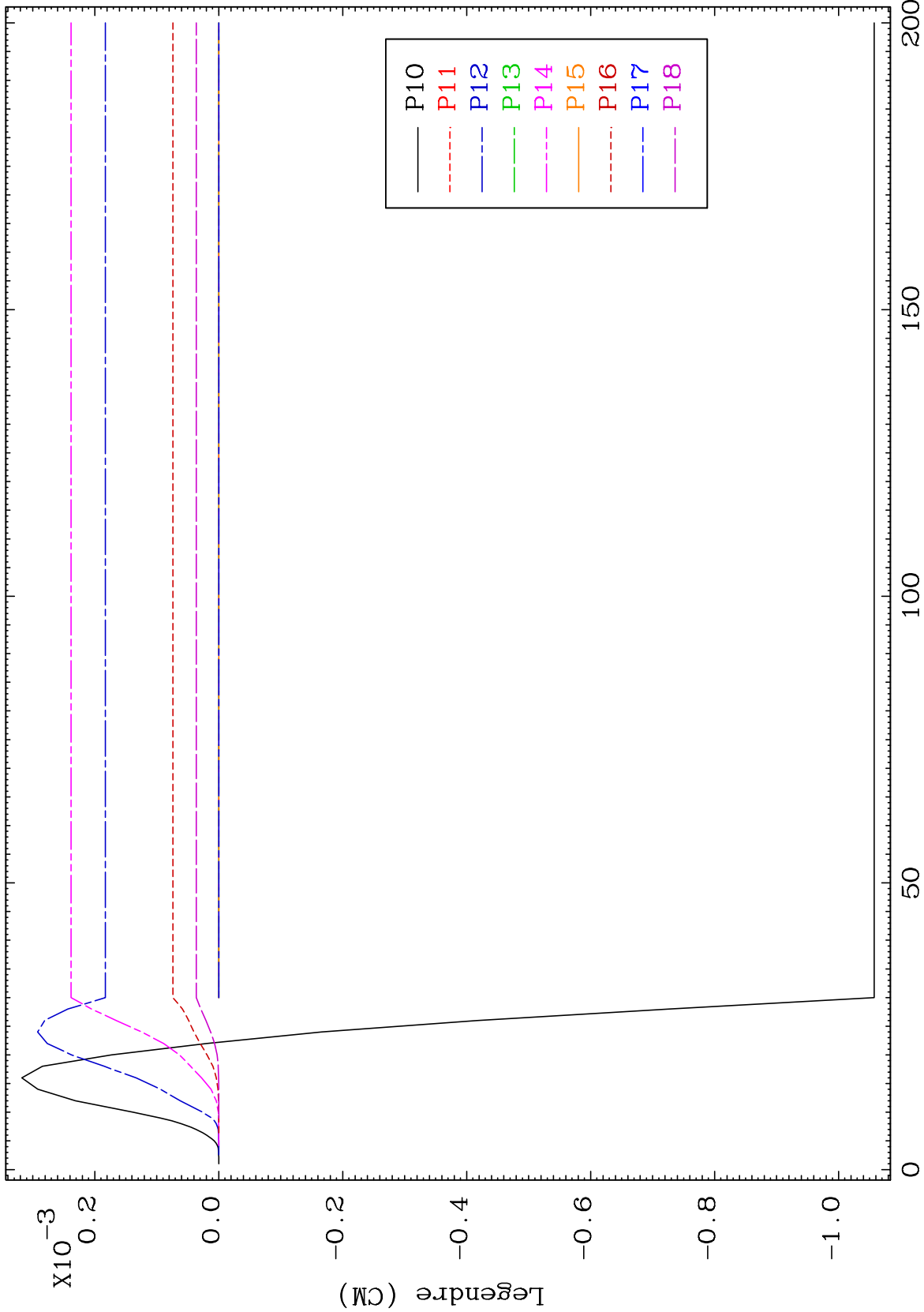




MAT 7116

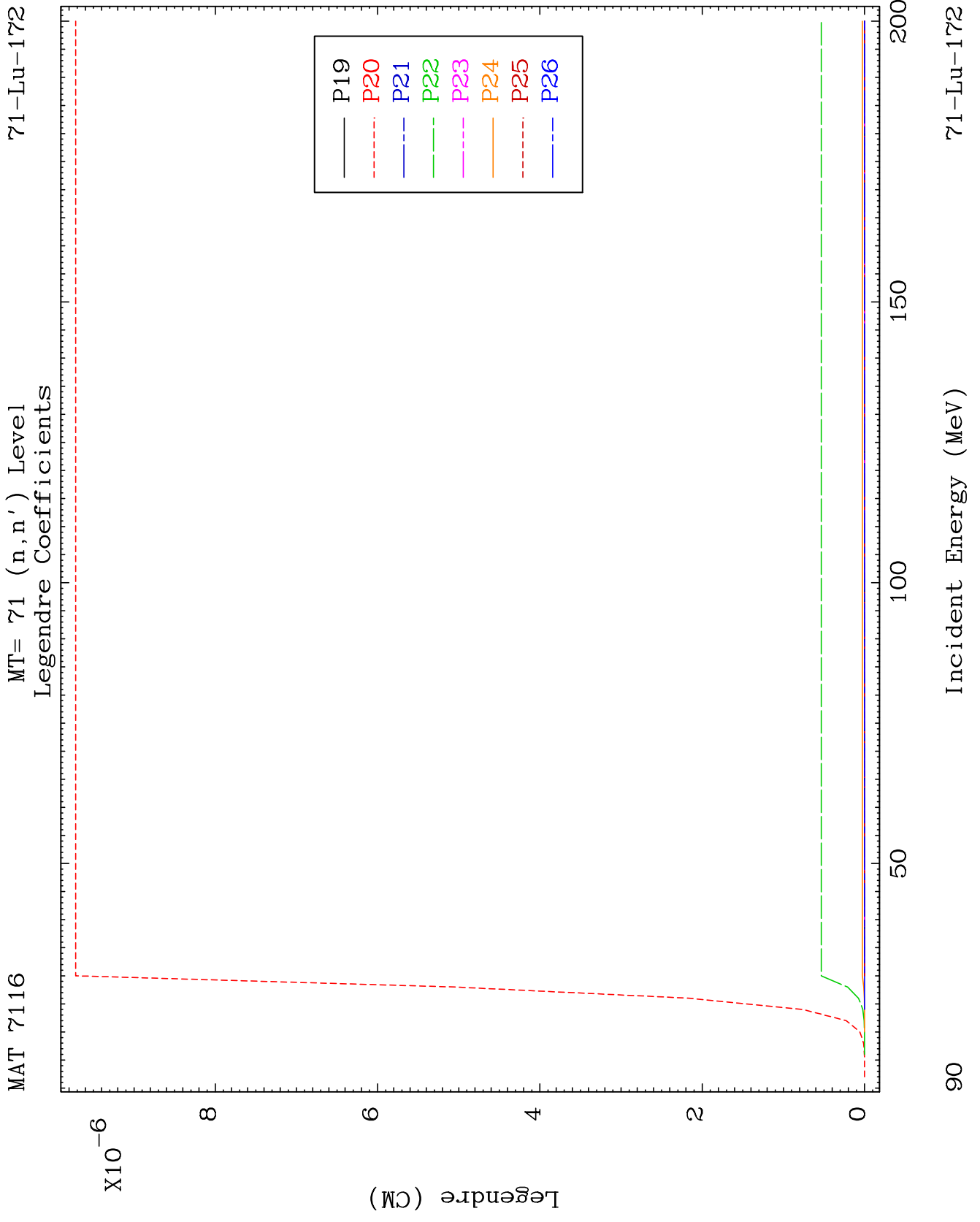
MT= 71 (n,n') Level  
Legendre Coefficients

71-Lu-172

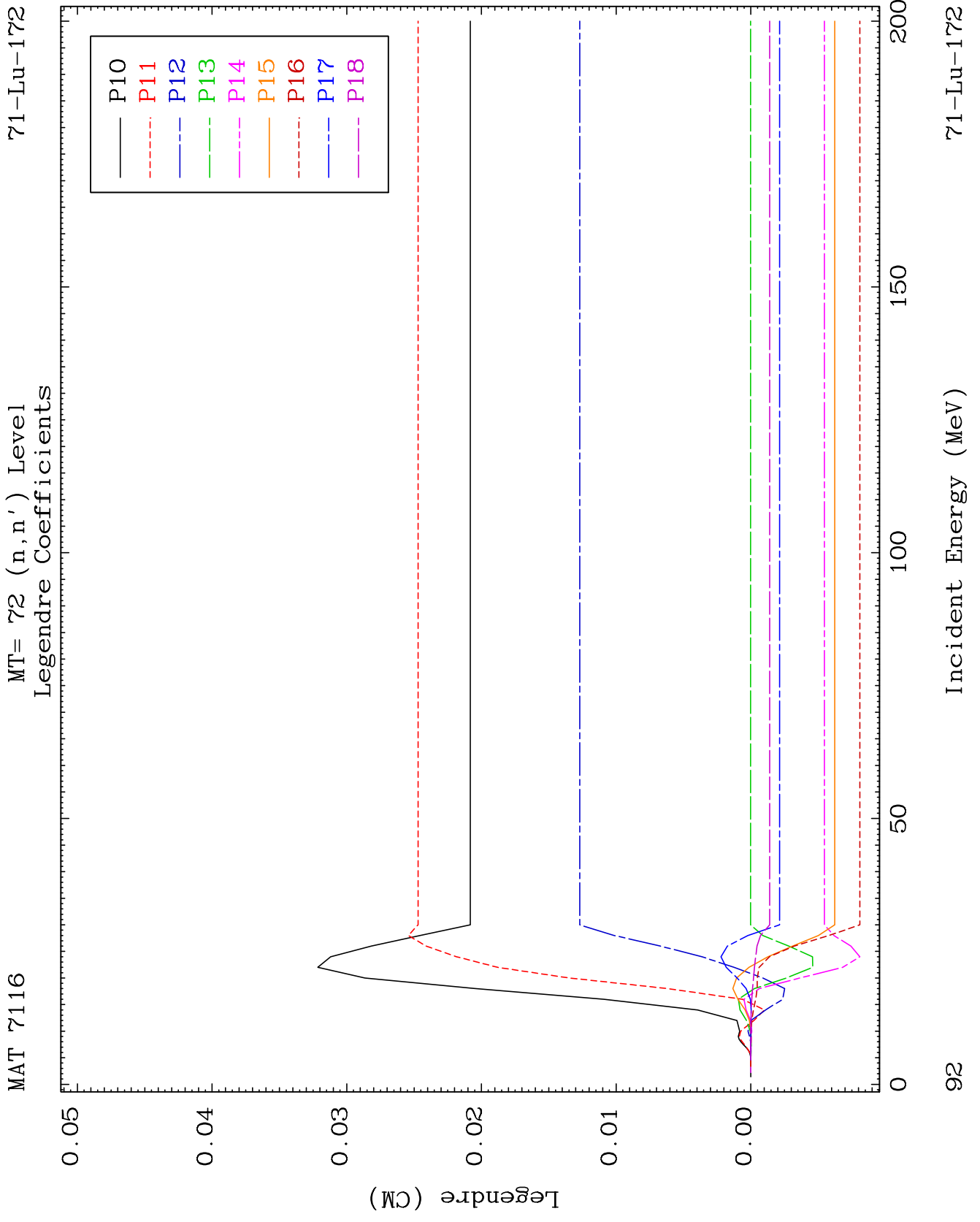


89

71-Lu-172



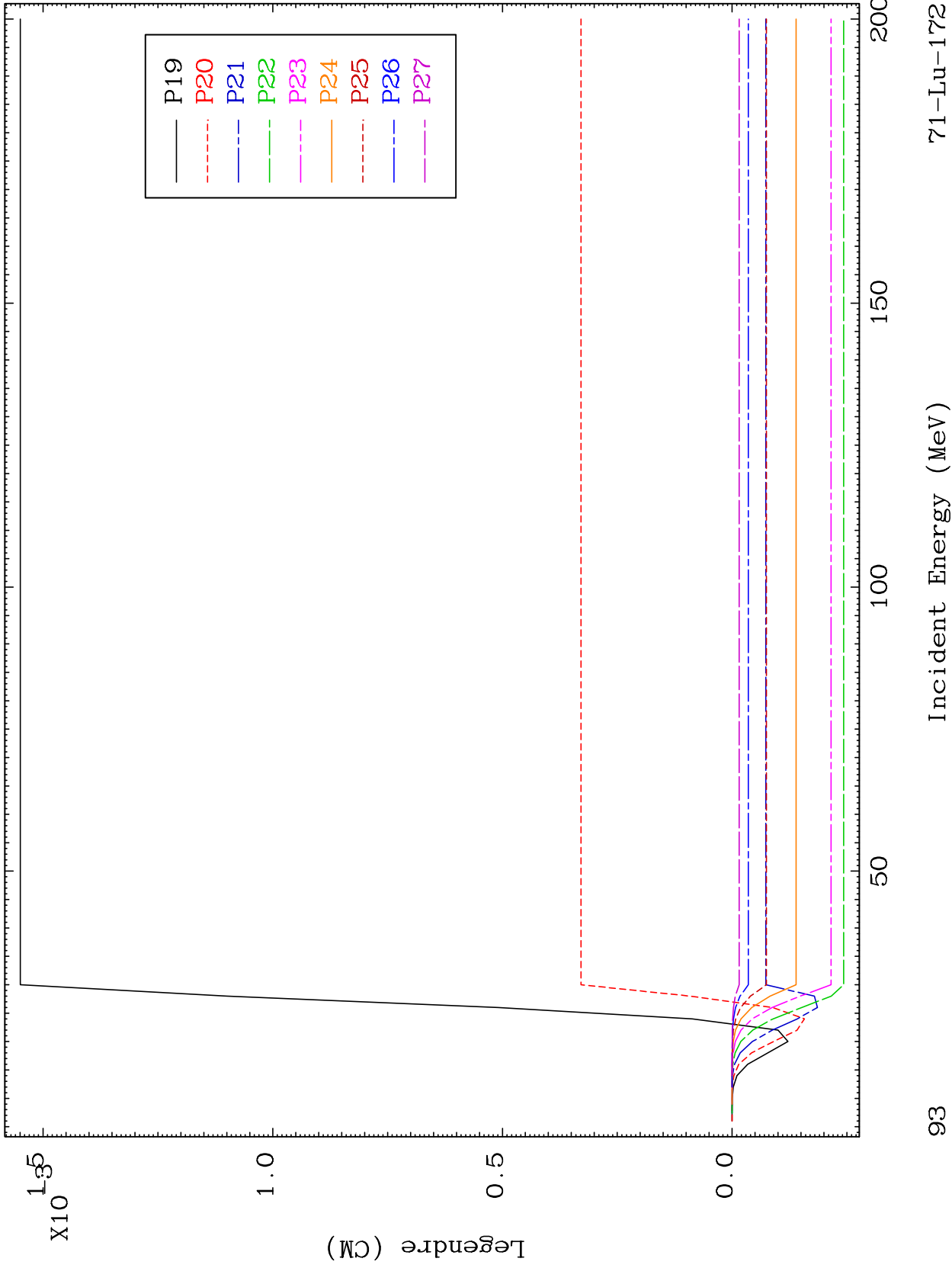




MAT 7116

MT= 72 (n,n') Level  
Legendre Coefficients

71-Lu-172



93

Incident Energy (MeV)

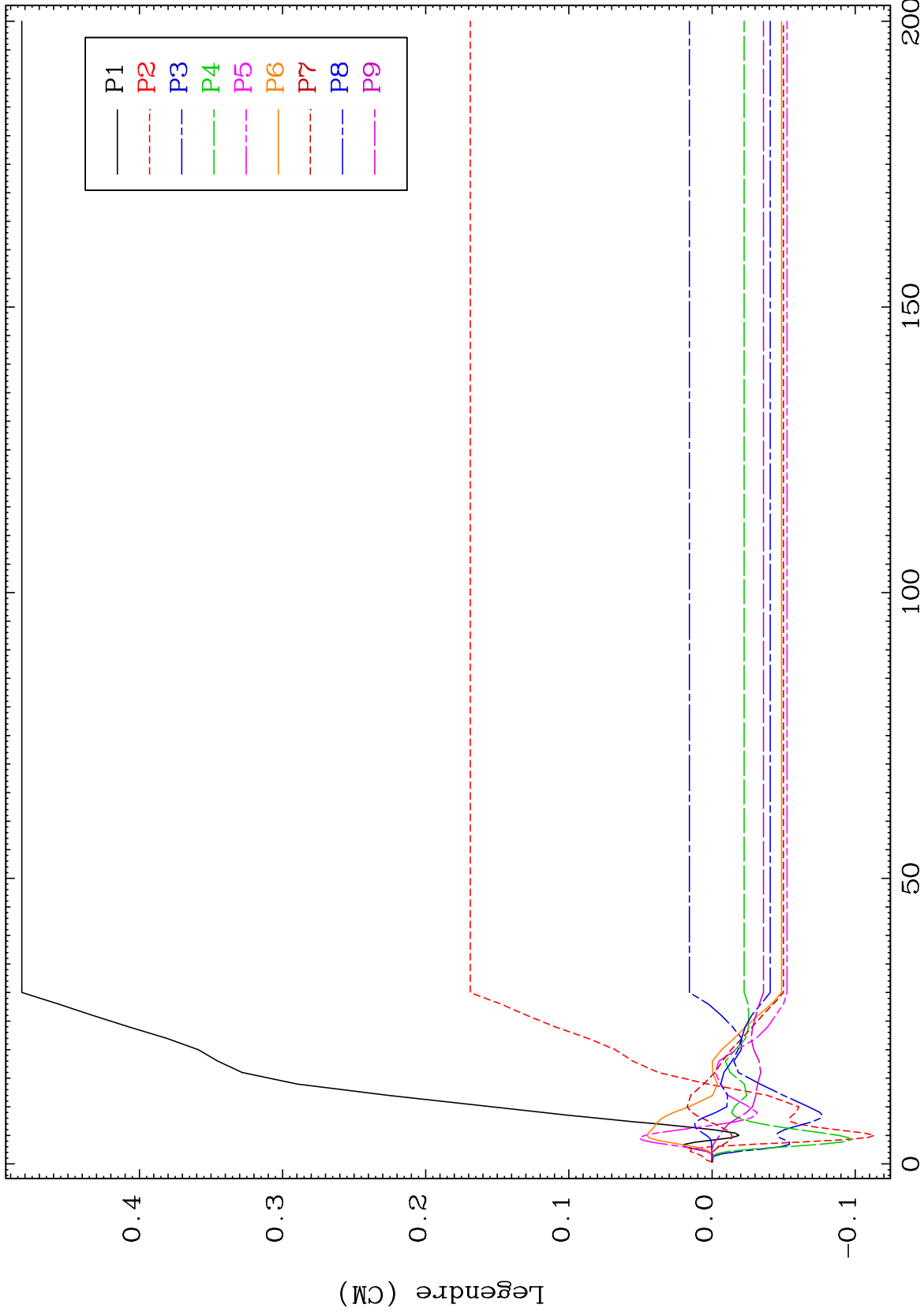
71-Lu-172



MAT 7116

MT= 73 (n,n') Level  
Legendre Coefficients

71-Lu-172

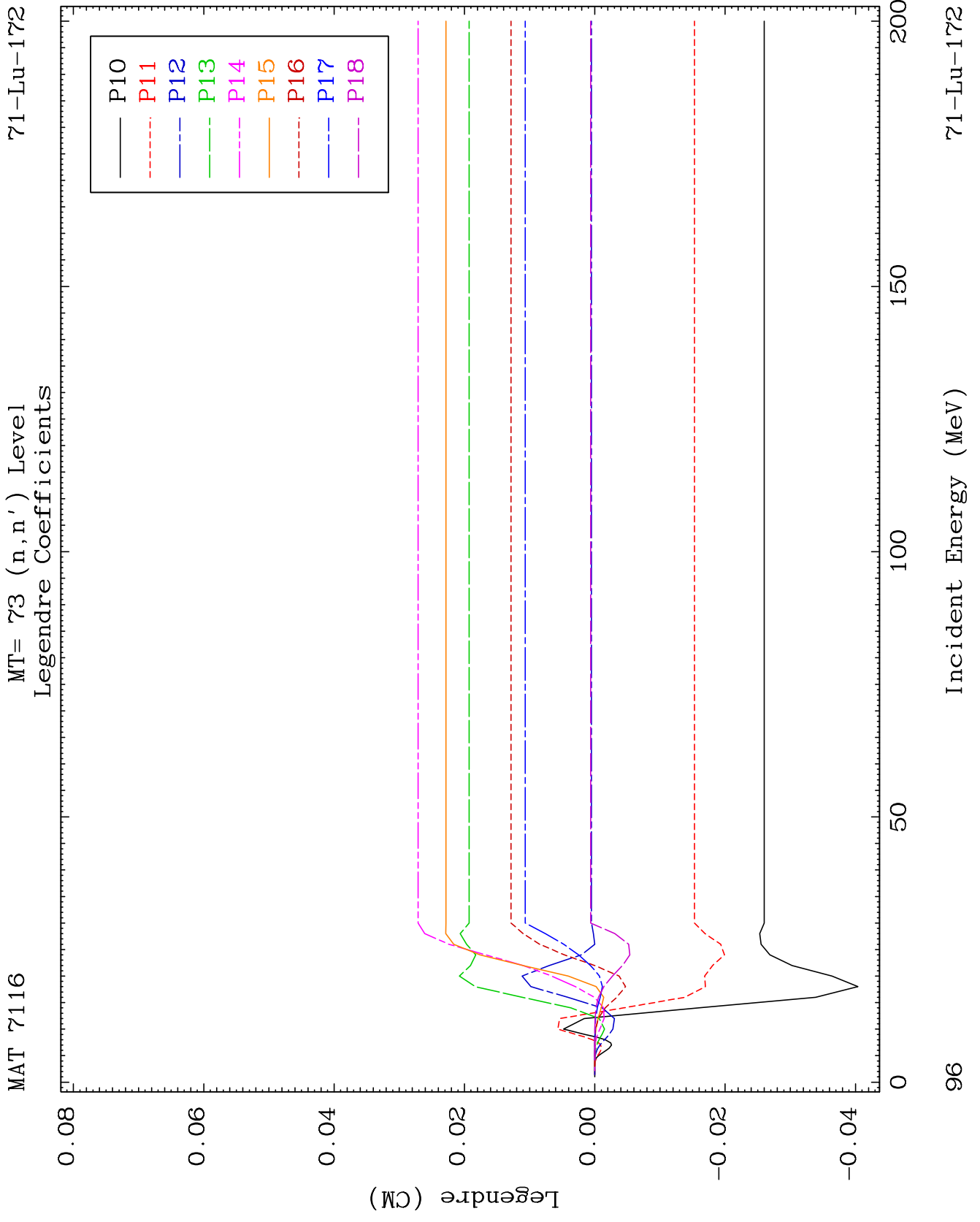


71-Lu-172

Incident Energy (MeV)

95

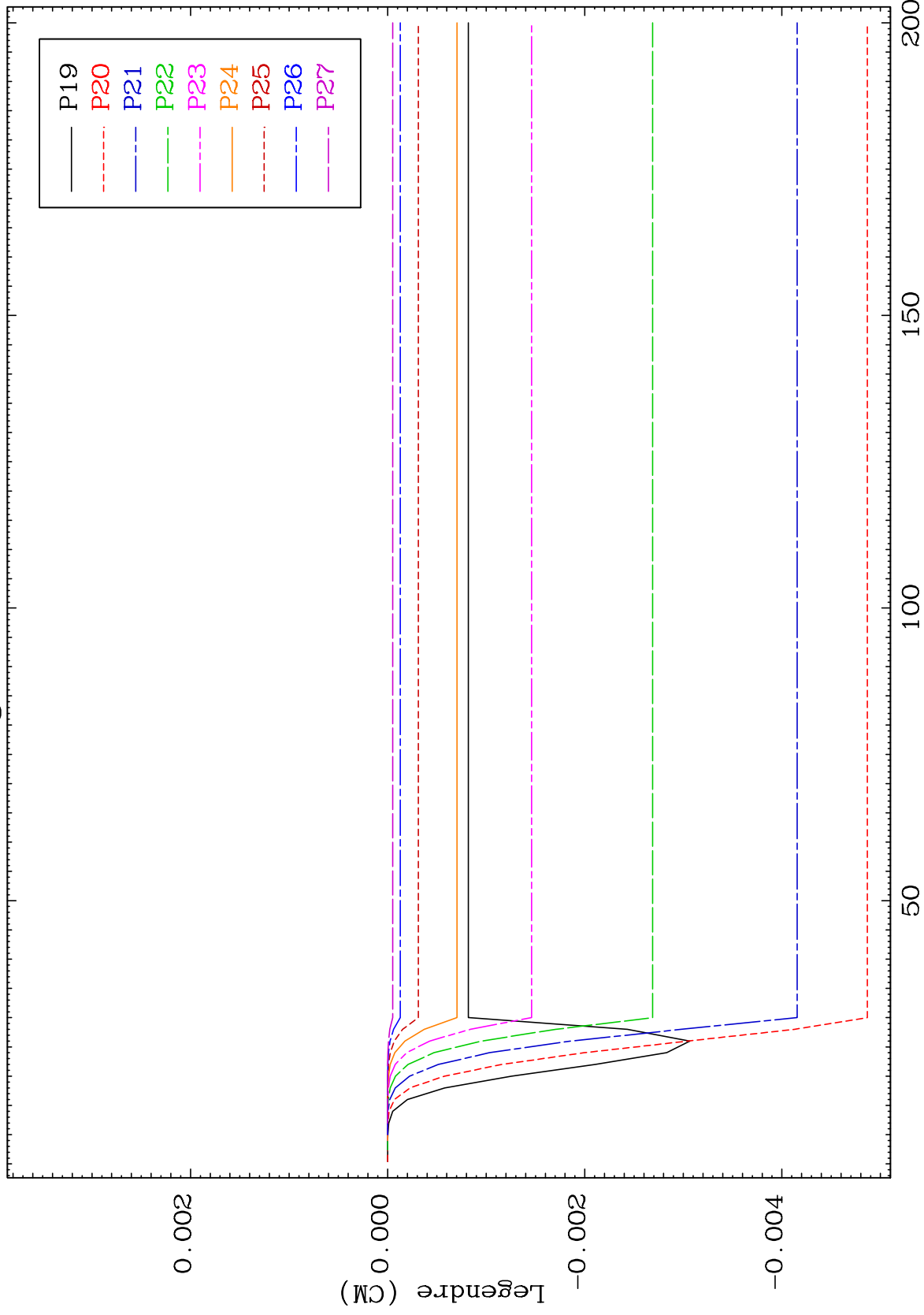




MAT 7116

MT= 73 (n,n') Level  
Legendre Coefficients

71-Lu-172

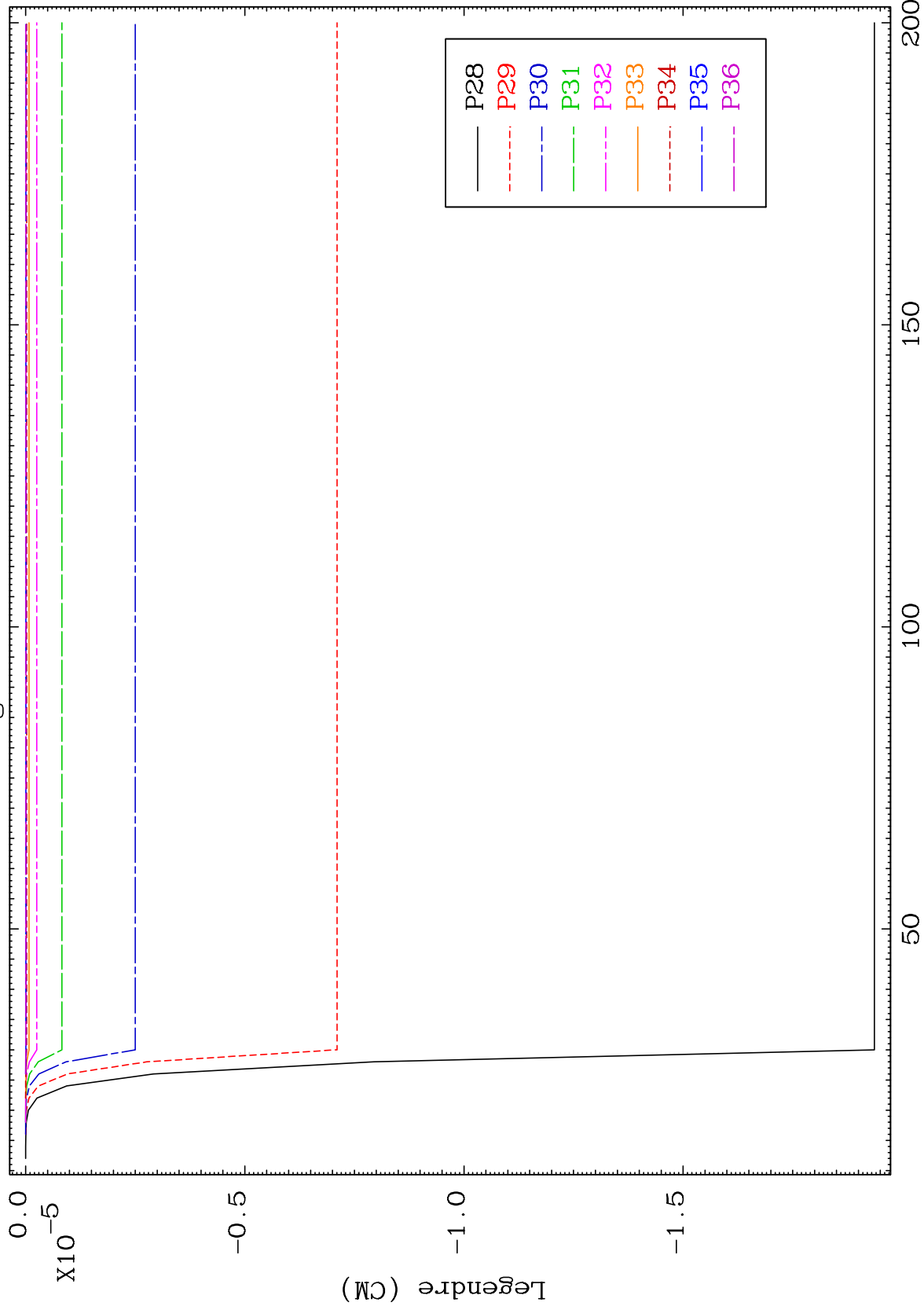


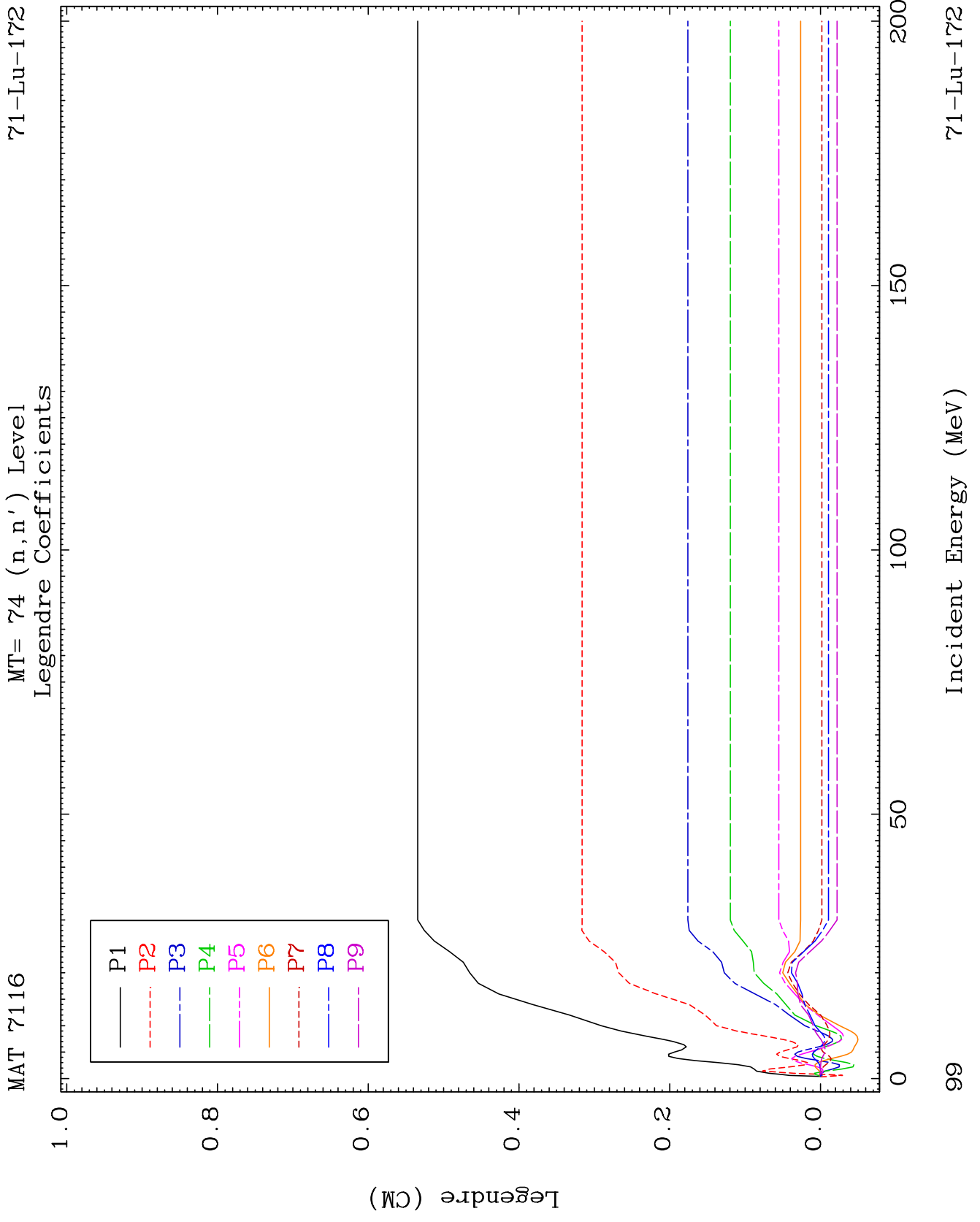
97

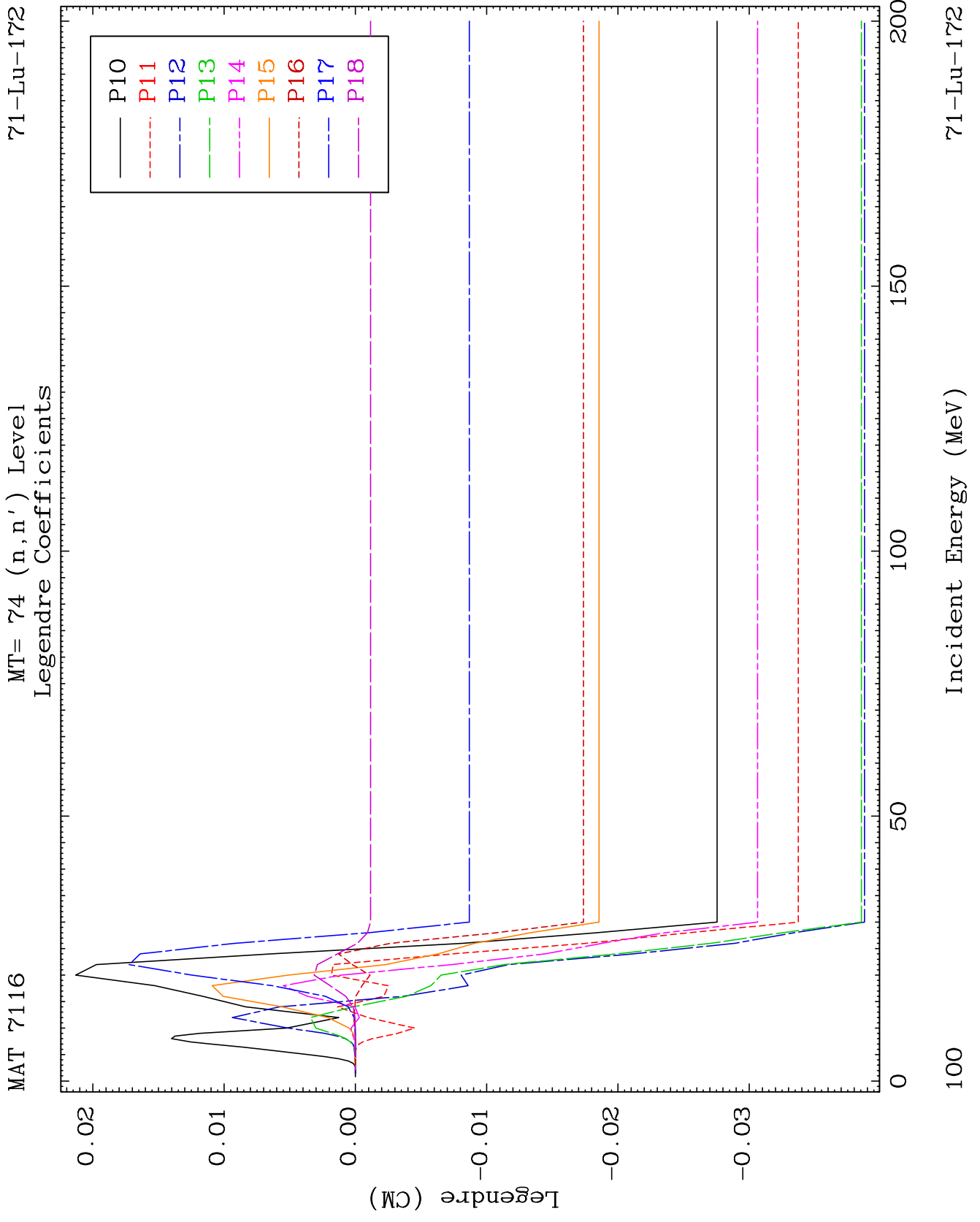
Incident Energy (MeV)

71-Lu-172

Legendre Coefficients



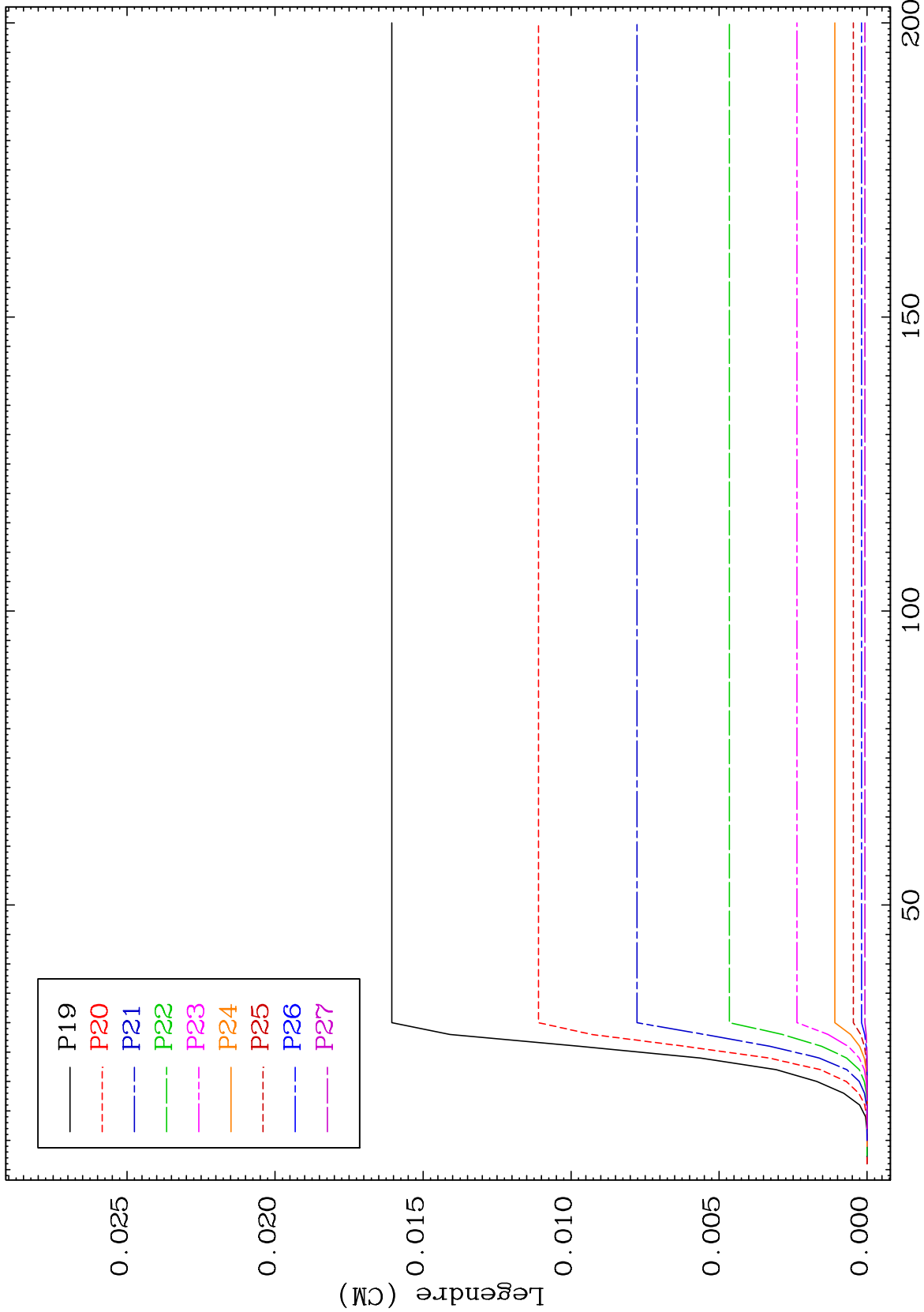




MAT 7116

MT= 74 (n,n') Level  
Legendre Coefficients

71-Lu-172



101

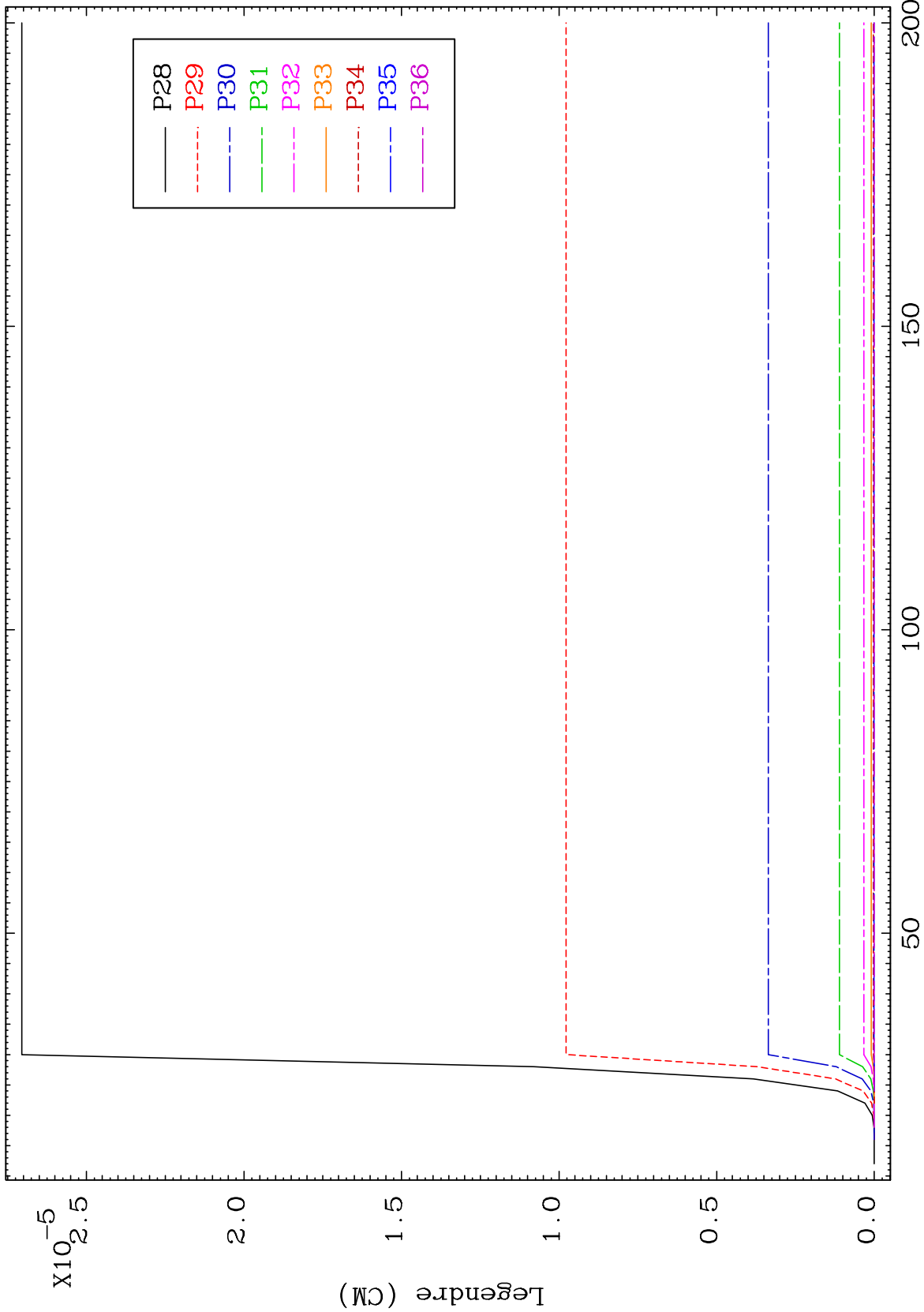
Incident Energy (MeV)

71-Lu-172

MAT 7116

MT= 74 (n,n') Level  
Legendre Coefficients

71-Lu-172



102

Incident Energy (MeV)

71-Lu-172

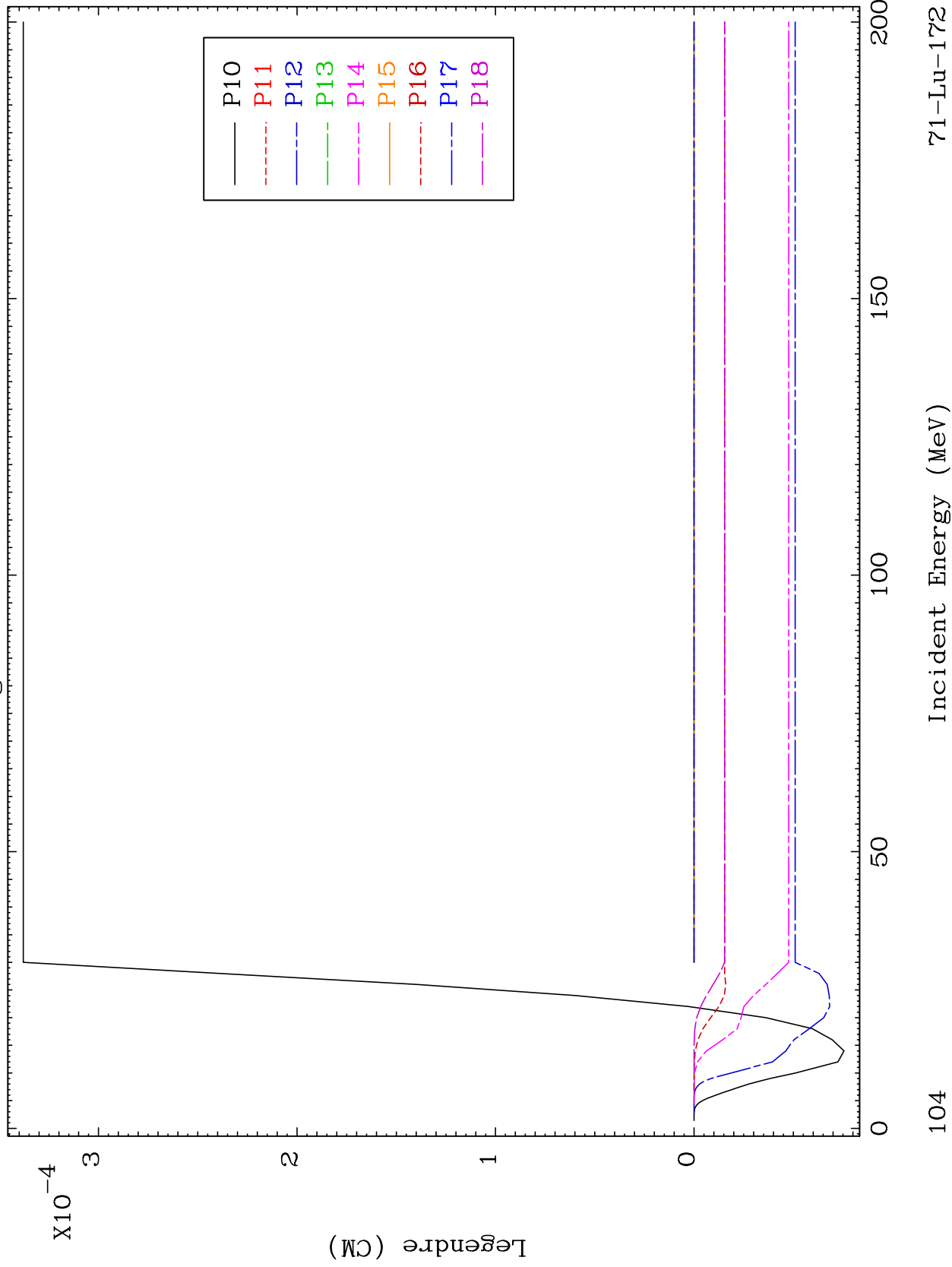




MAT 7116

MT= 75 (n,n') Level  
Legendre Coefficients

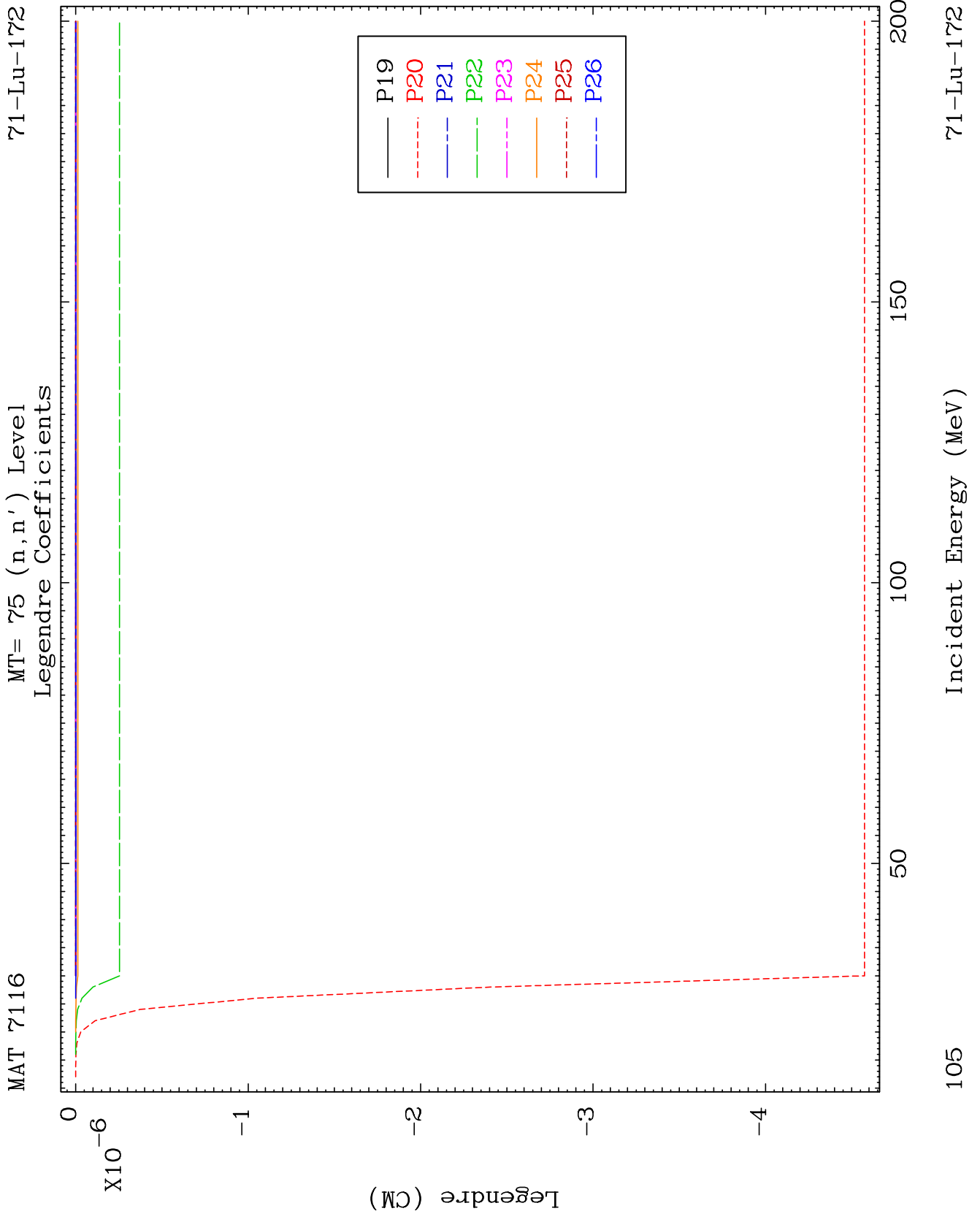
71-Lu-172

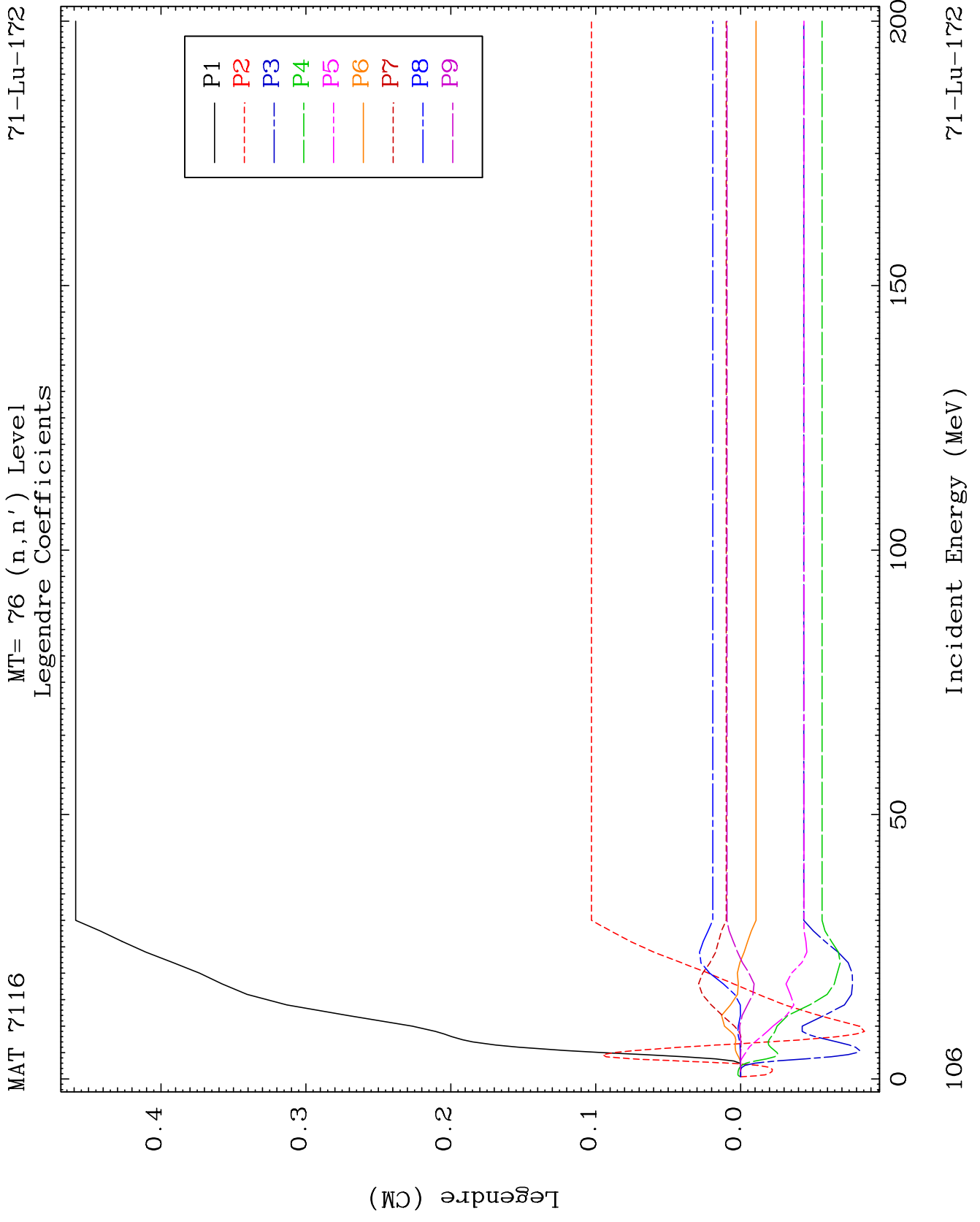


71-Lu-172

Incident Energy (MeV)

104

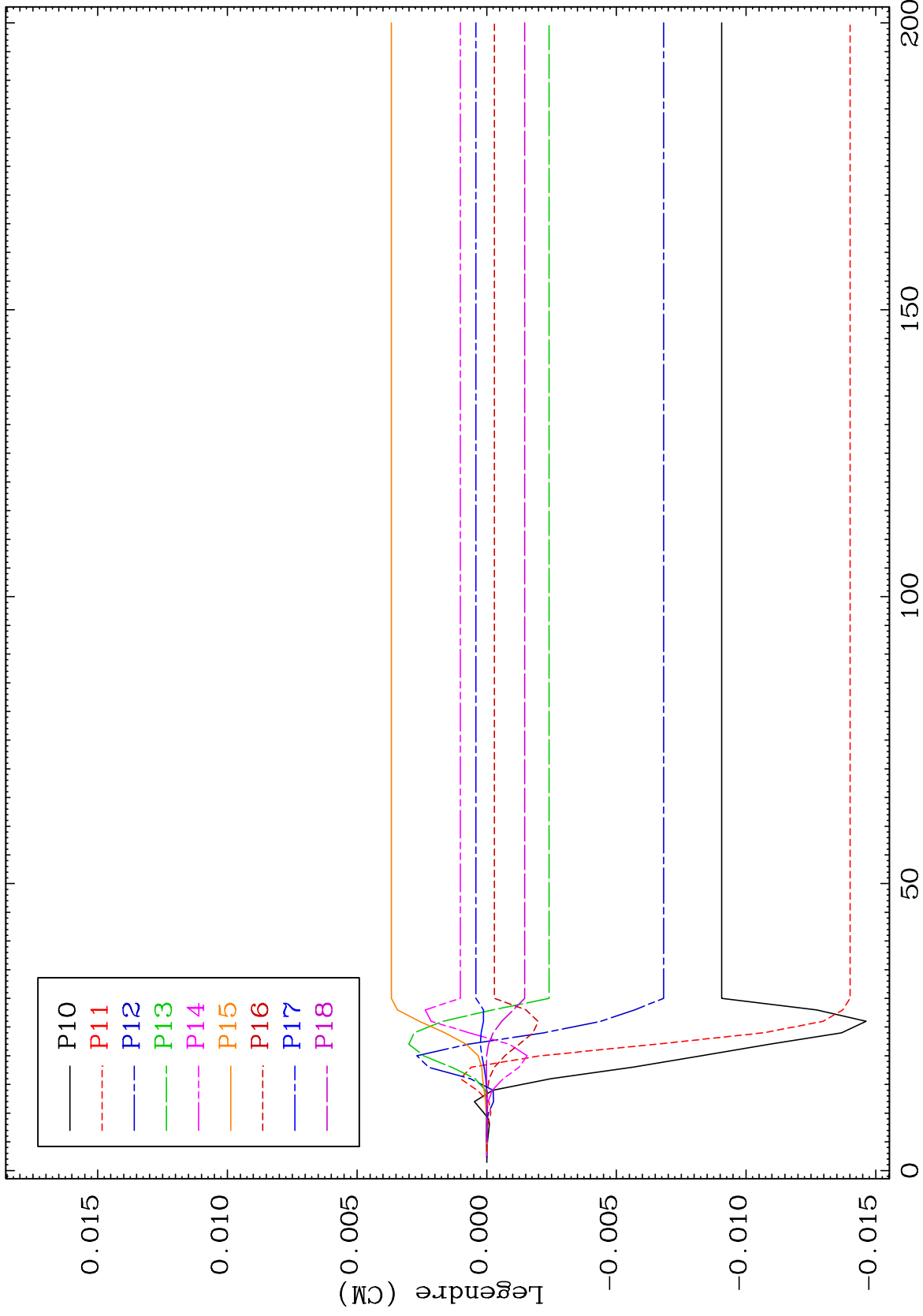




MAT 7116

MT= 76 (n,n') Level  
Legendre Coefficients

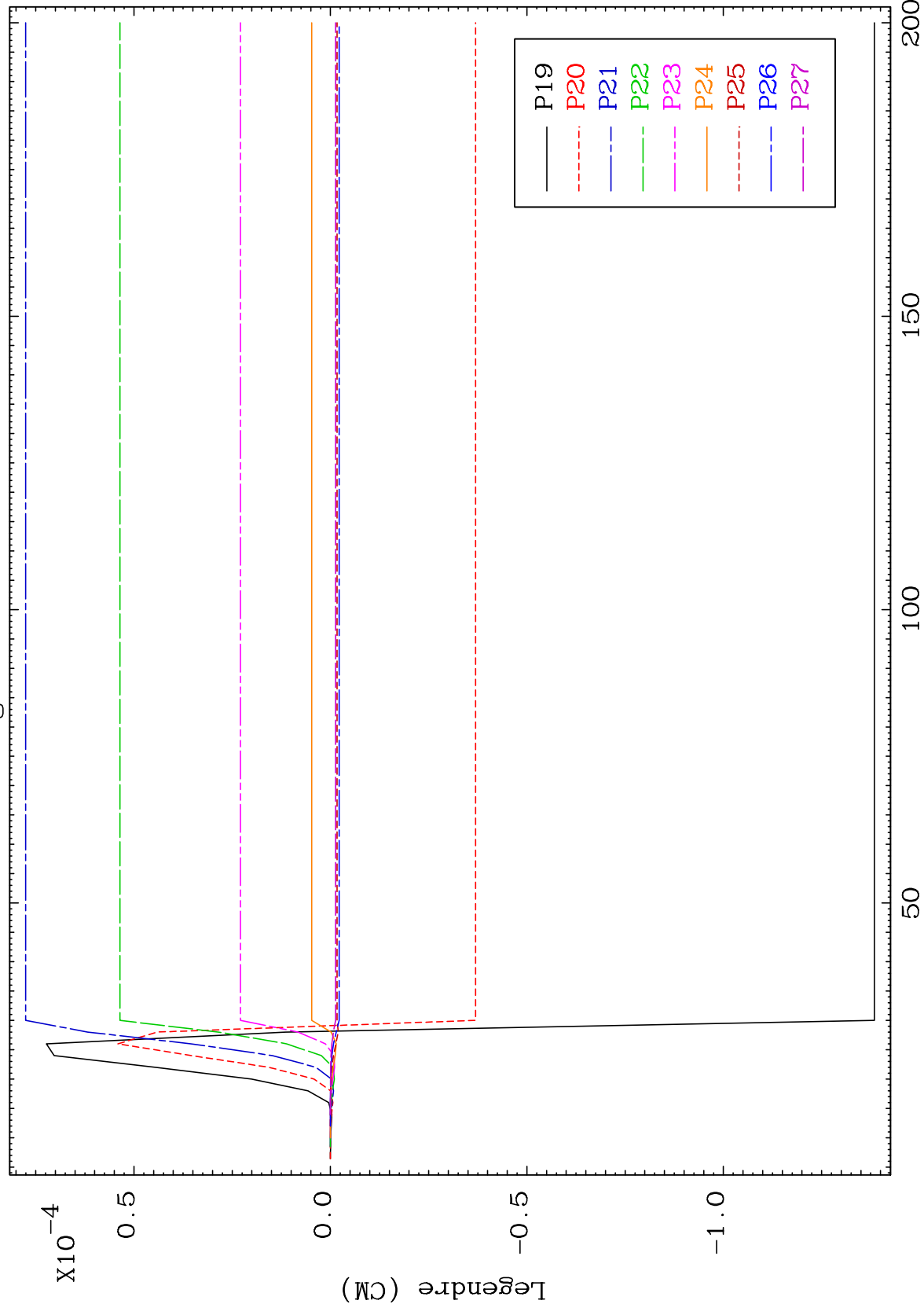
71-Lu-172

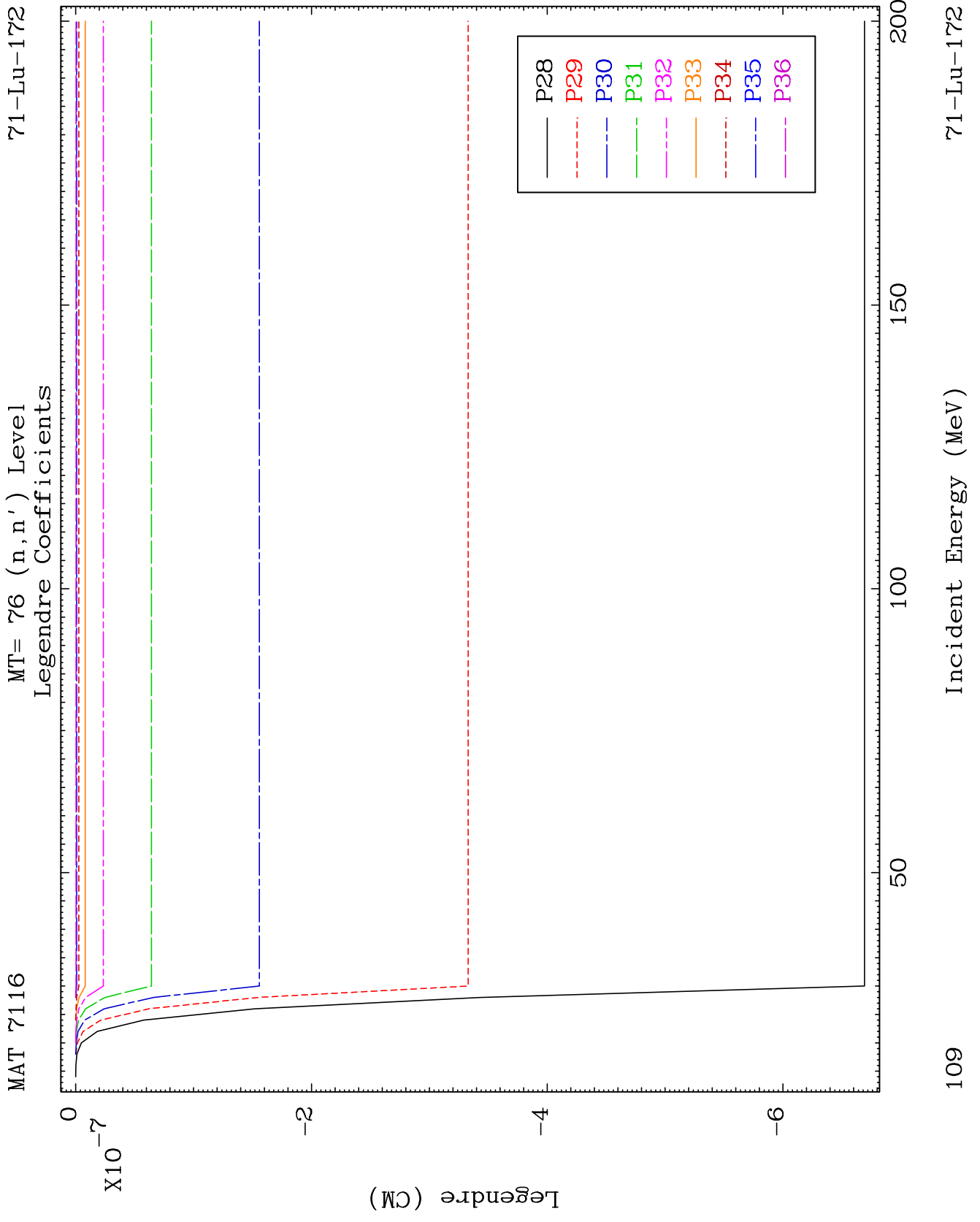


107

Incident Energy (MeV)

71-Lu-172



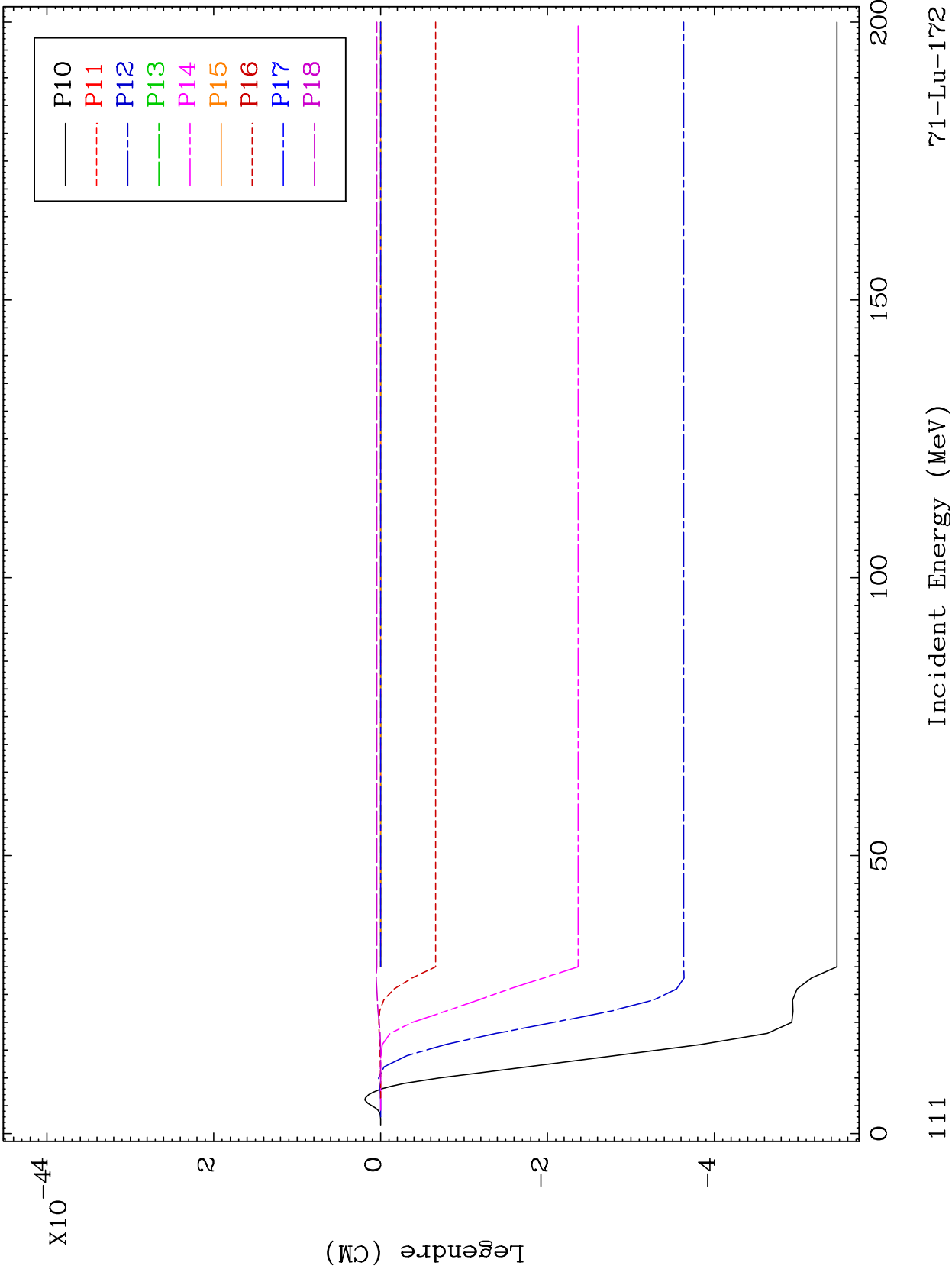




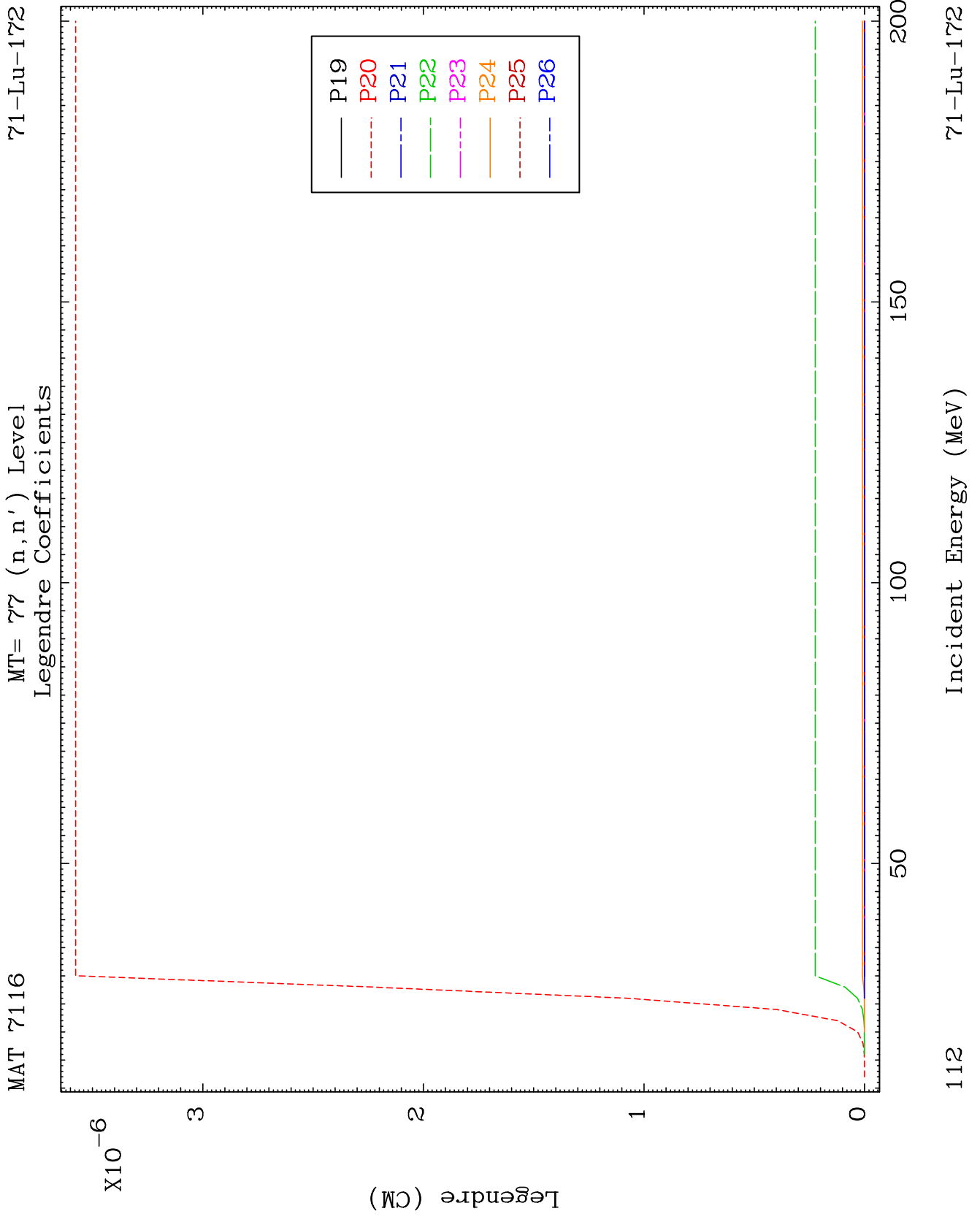
MAT 7116

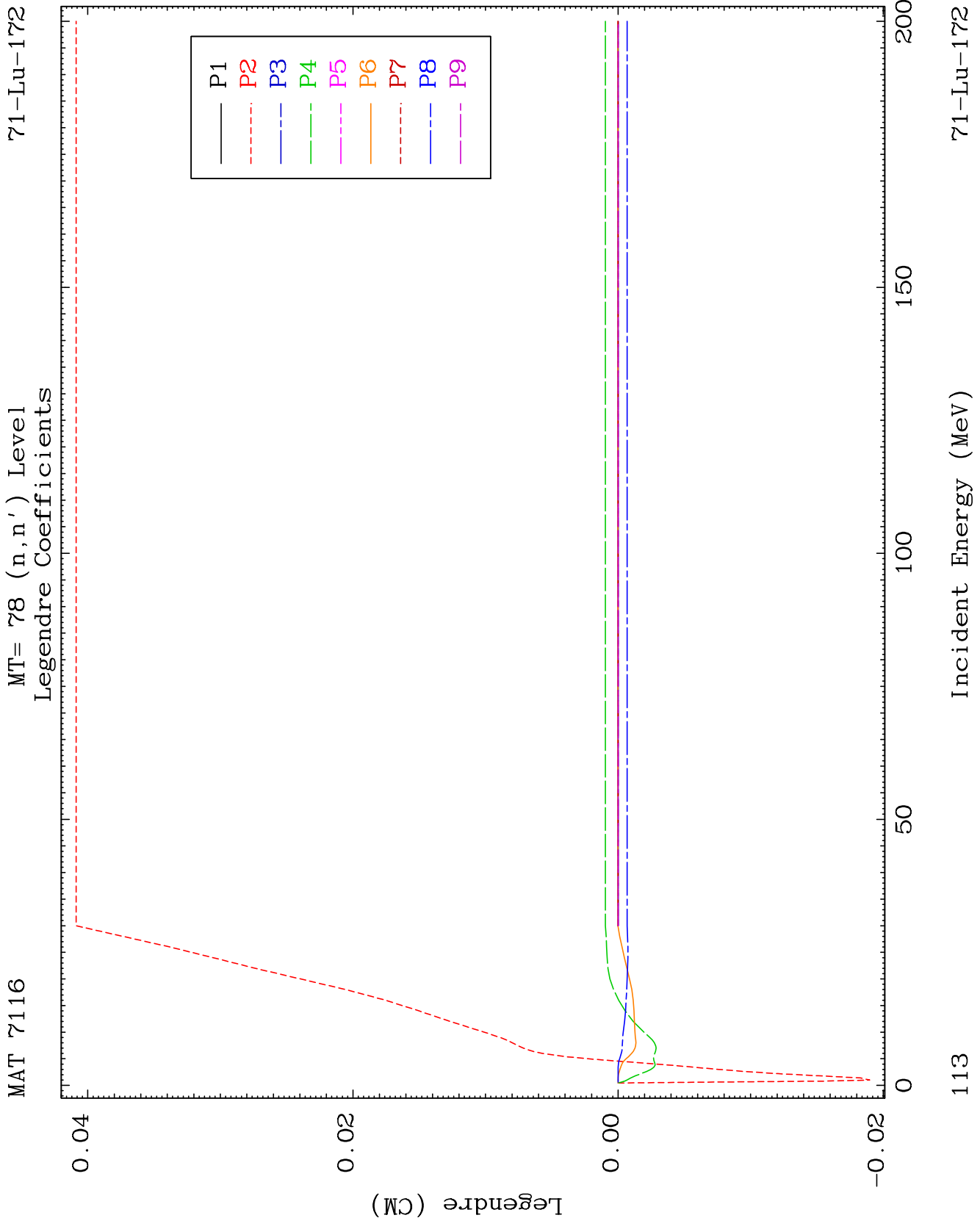
MT= 77 (n,n') Level  
Legendre Coefficients

71-Lu-172





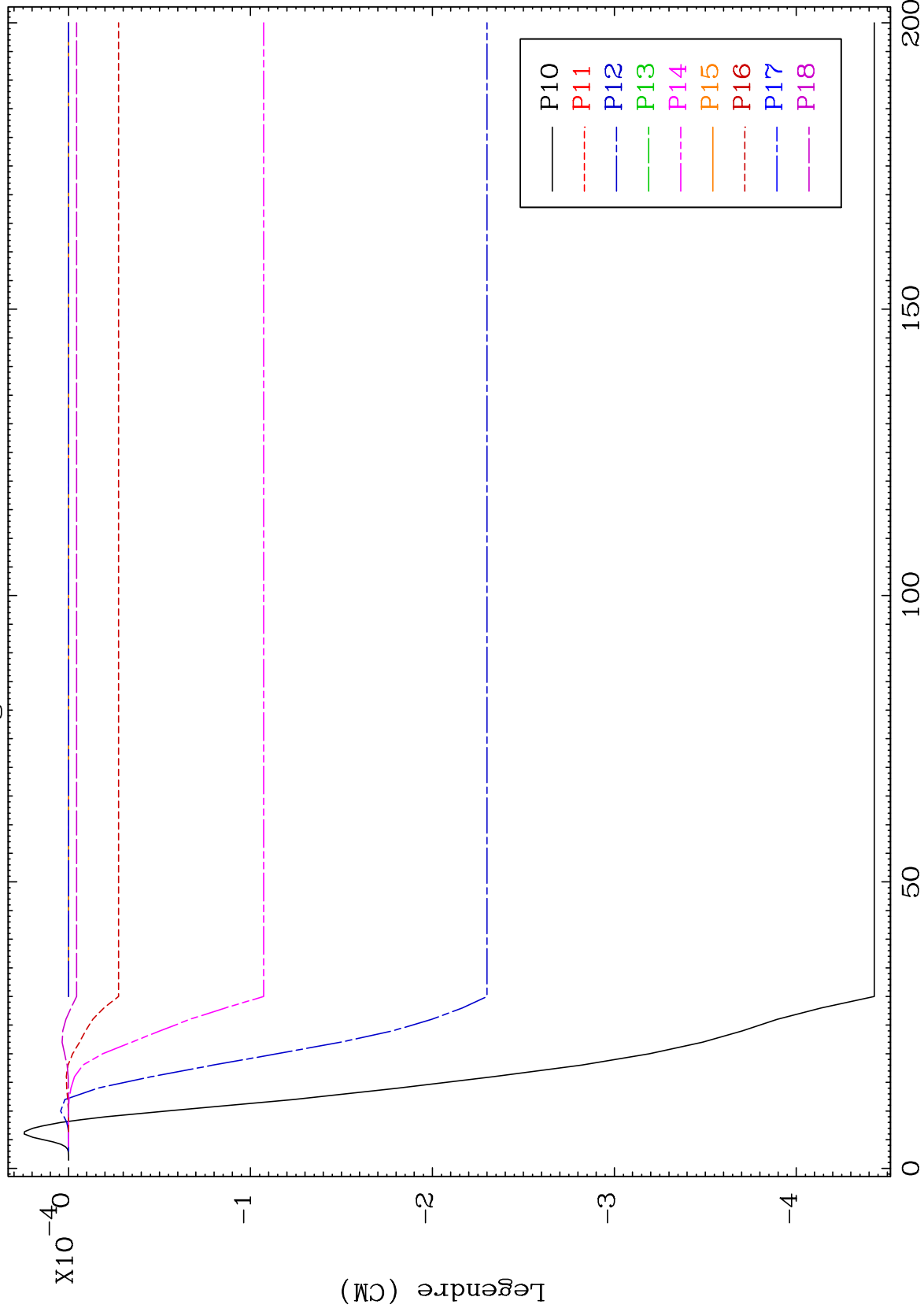




MAT 7116

MT= 78 (n,n') Level  
Legendre Coefficients

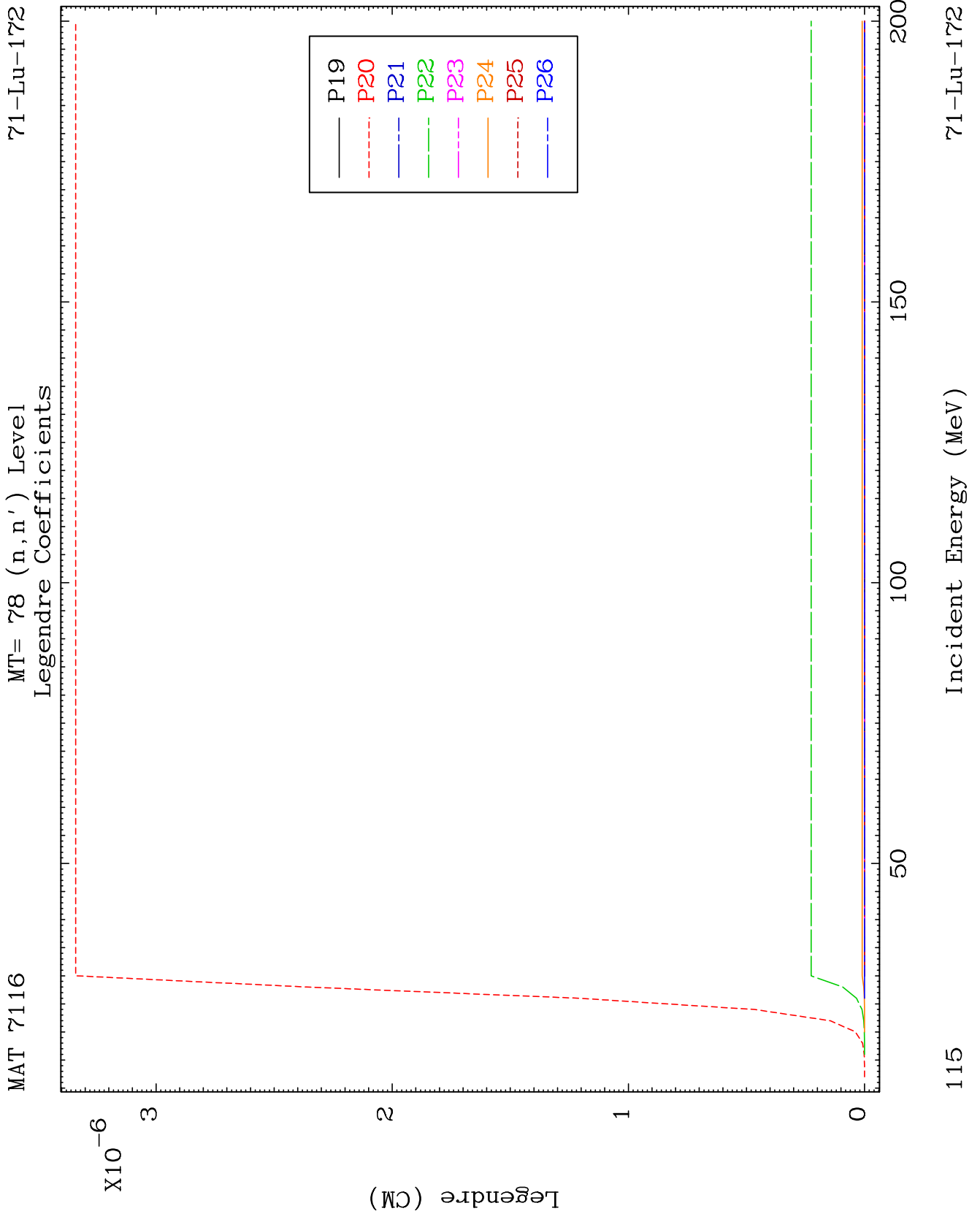
71-Lu-172



114

Incident Energy (MeV)

71-Lu-172

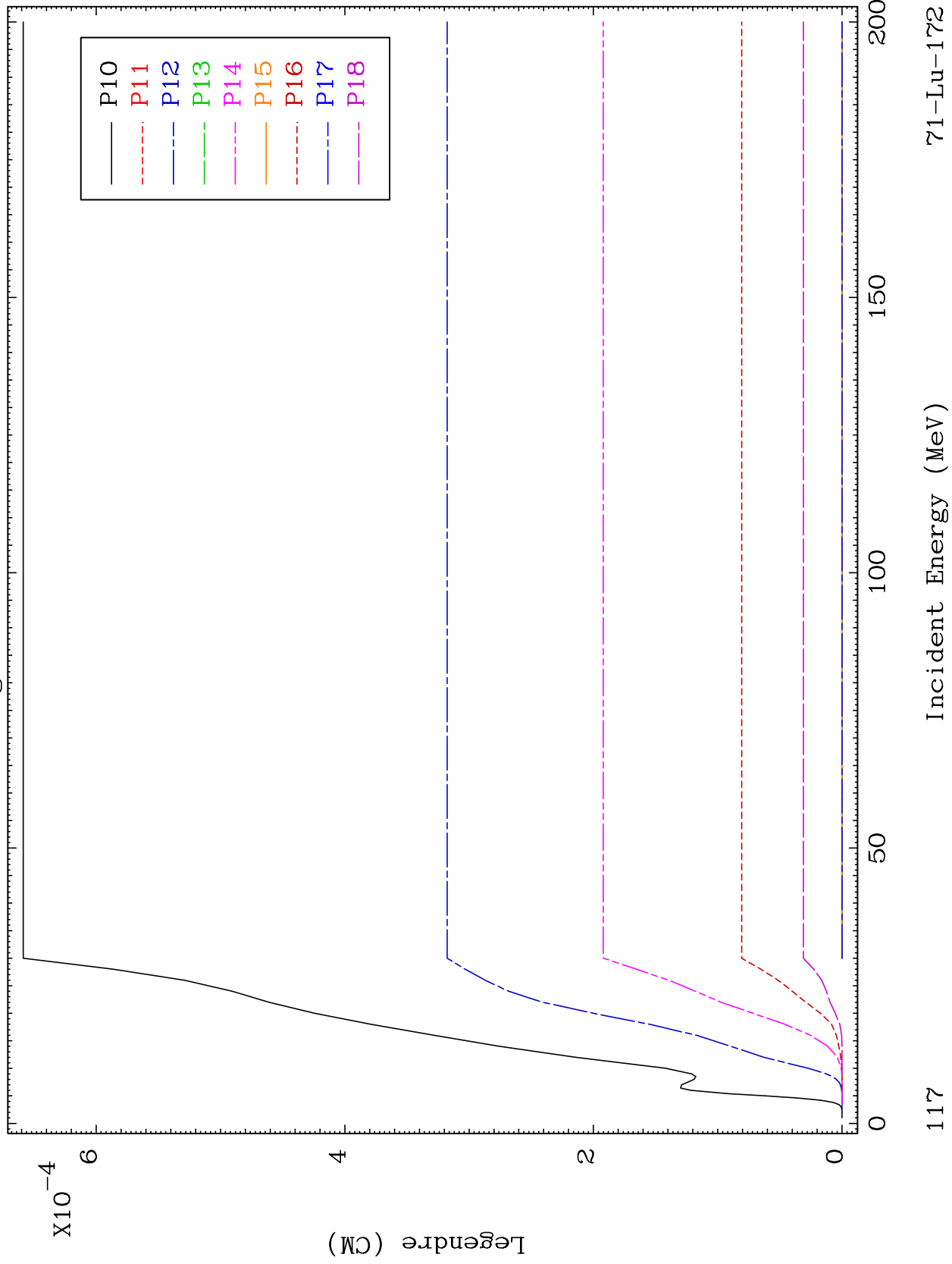




MAT 7116

MT= 79 (n,n') Level  
Legendre Coefficients

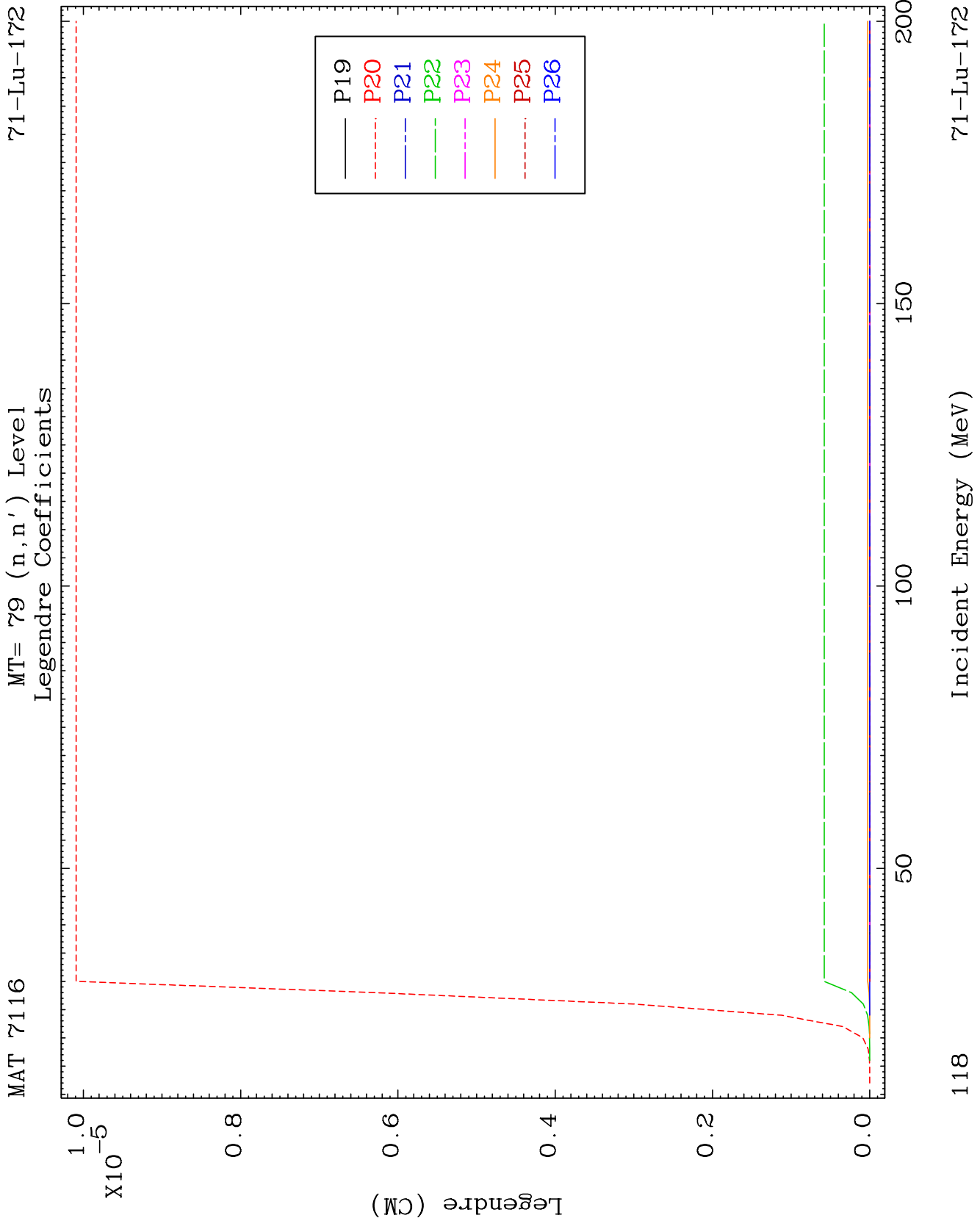
71-Lu-172

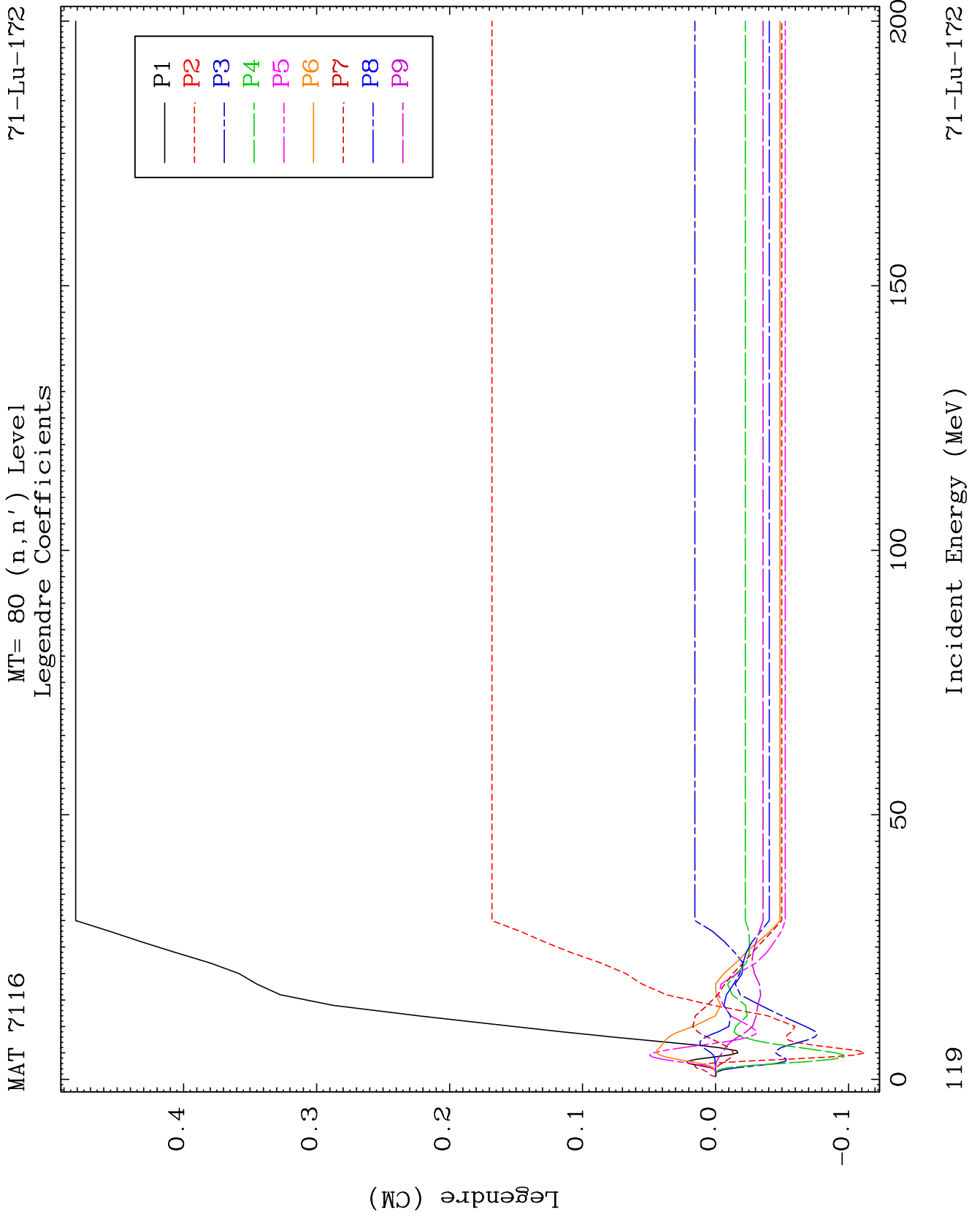


117

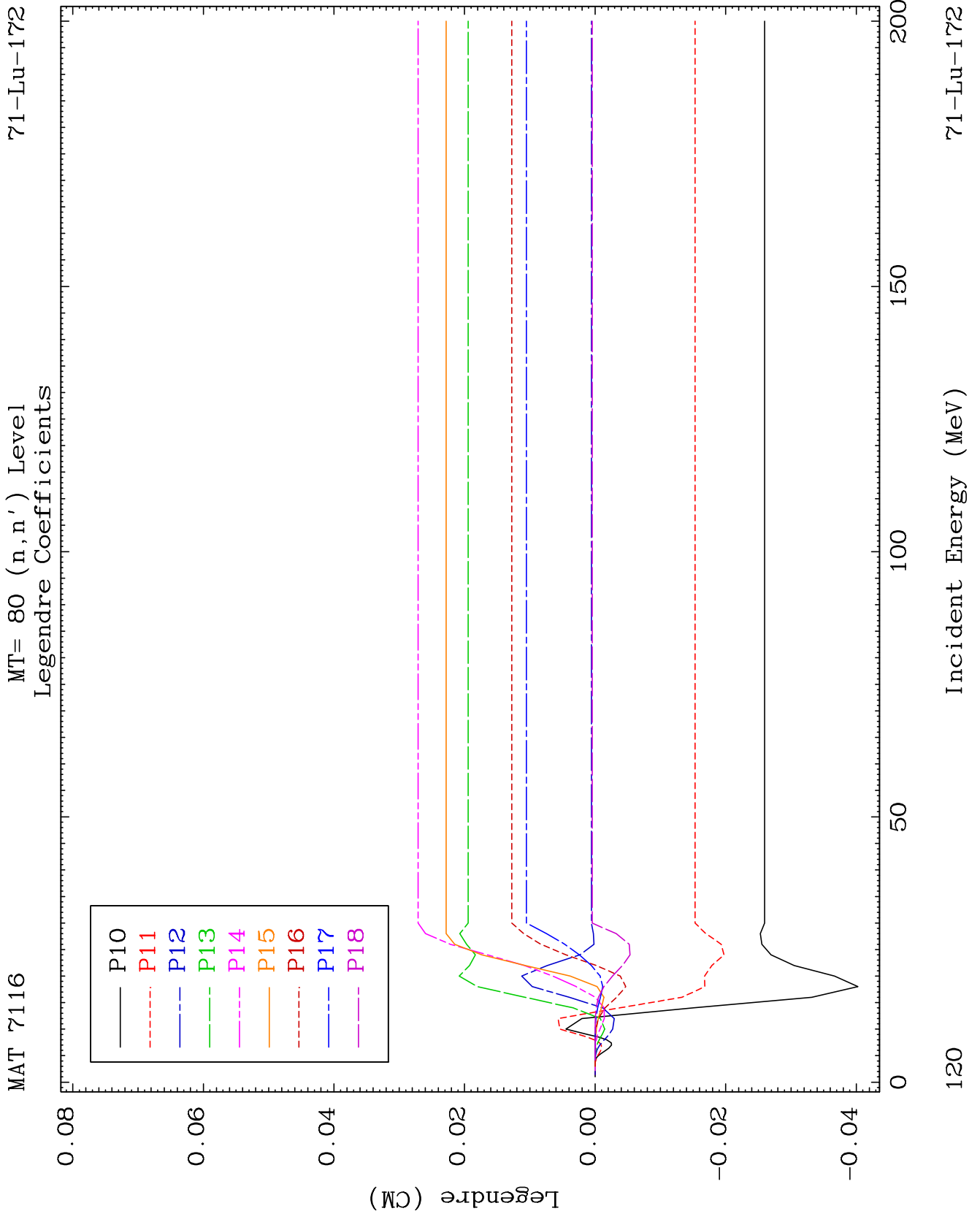
Incident Energy (MeV)

71-Lu-172





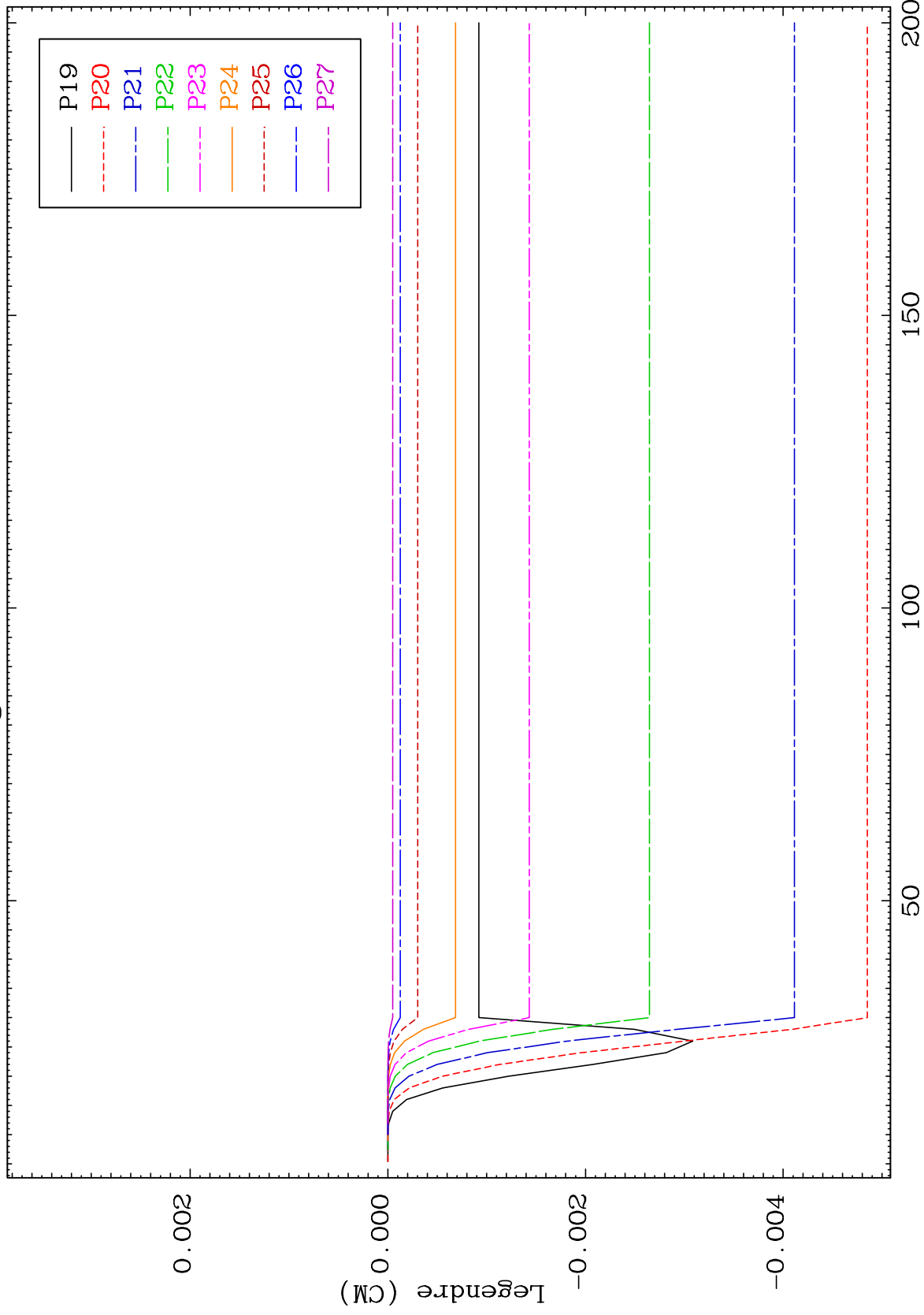




MAT 7116

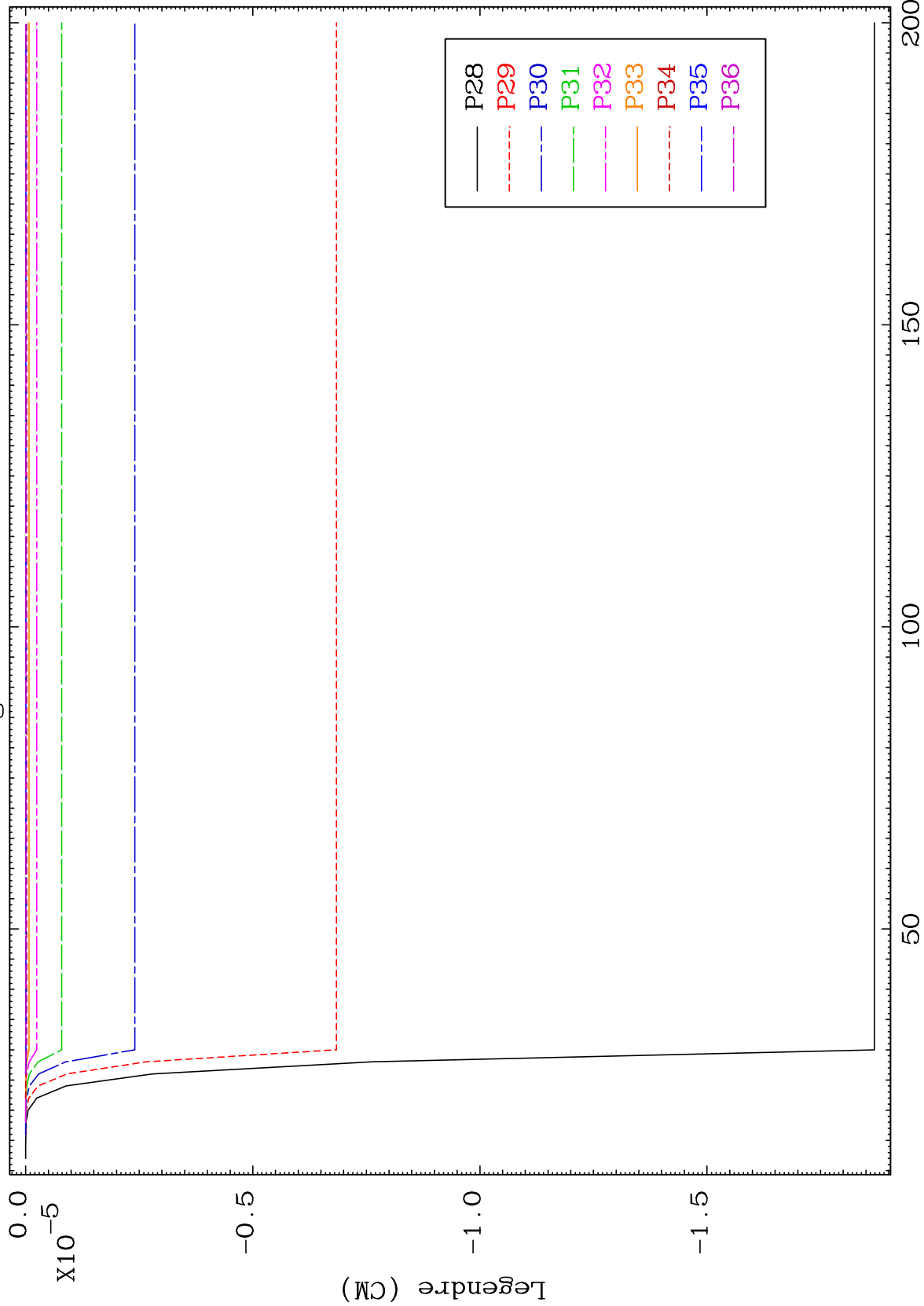
MT= 80 (n,n') Level  
Legendre Coefficients

71-Lu-172



121

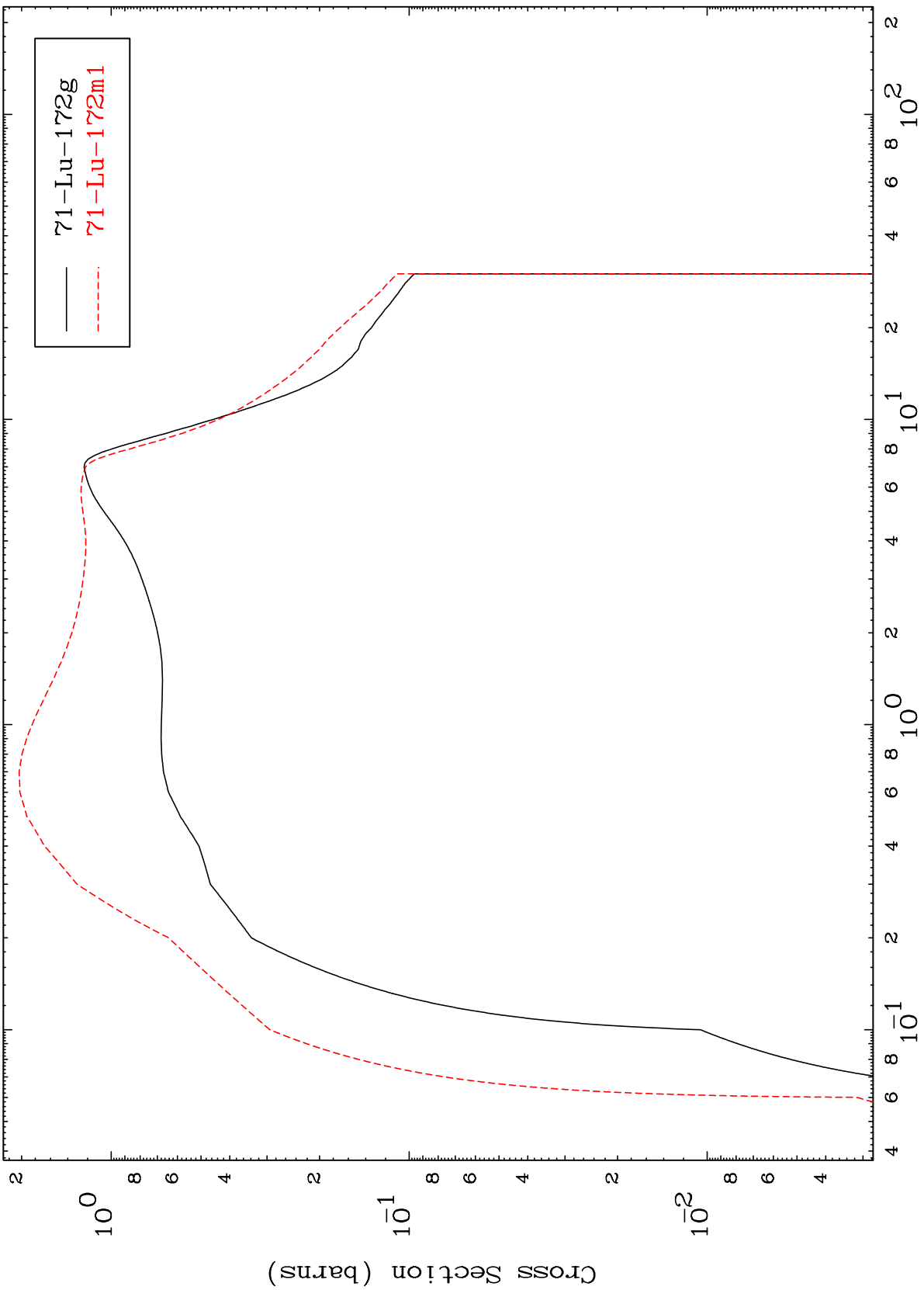
71-Lu-172



MAT 7116

71-Lu-172

Inelastic  
Radionuclide Production Cross Section



123

Incident Energy (MeV)

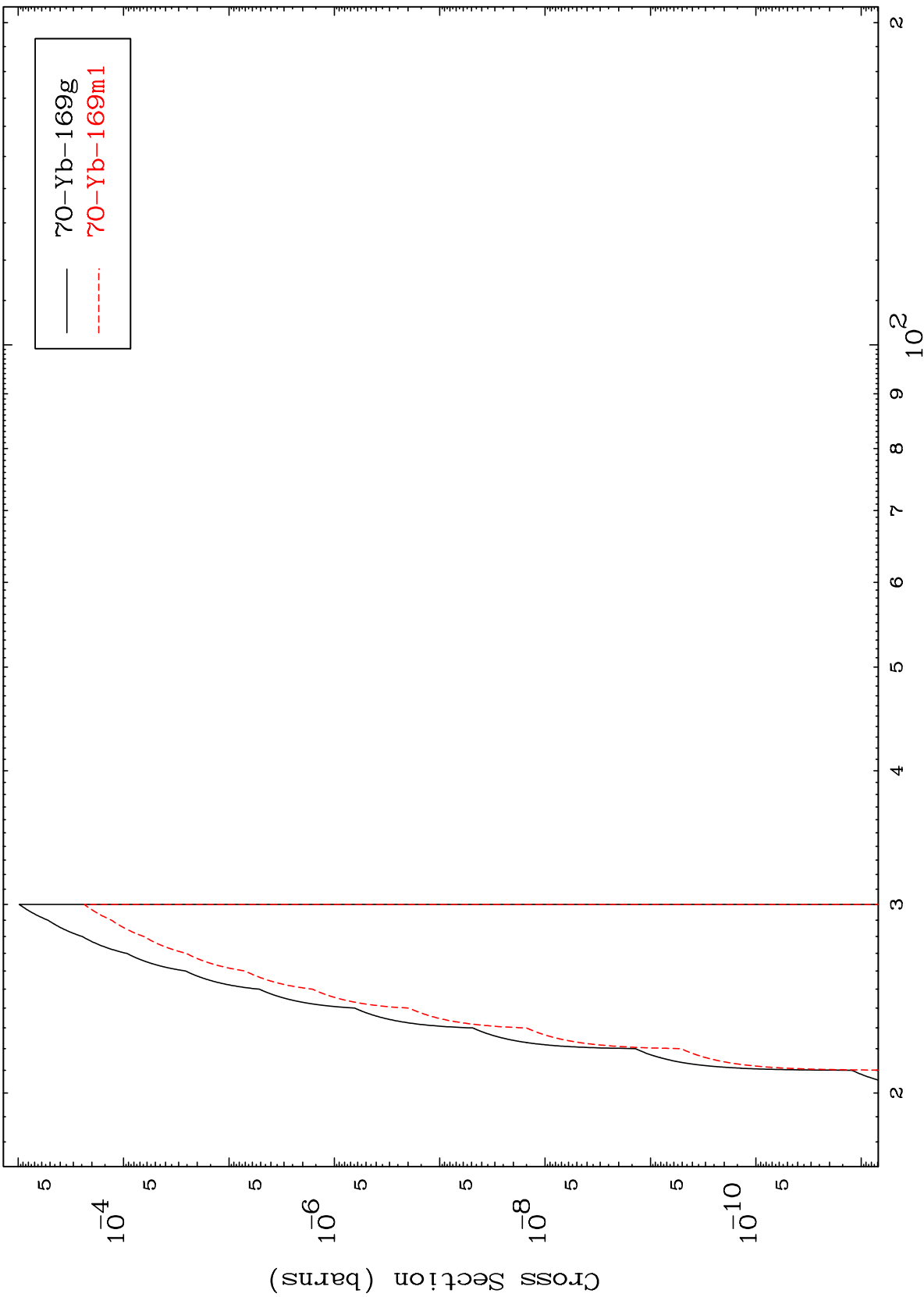
71-Lu-172

MAT 71116

(n,2n) d

71-Lu-172

Radionuclide Production Cross Section



70-Yb-169g  
70-Yb-169m1

124

Incident Energy (MeV)

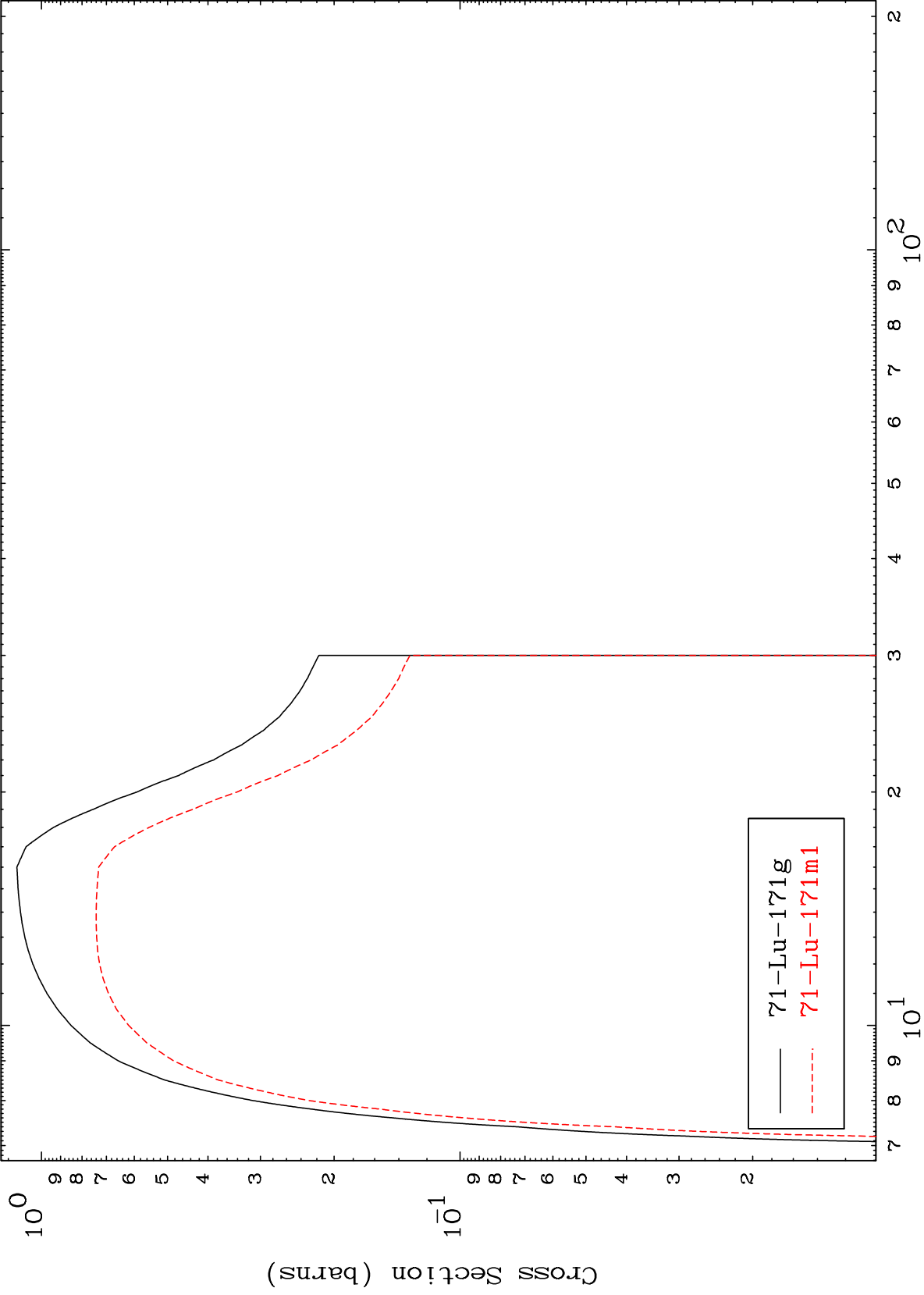
71-Lu-172

MAT 7116

(n,2n)

71-Lu-172

Radionuclide Production Cross Section



125

Incident Energy (MeV)

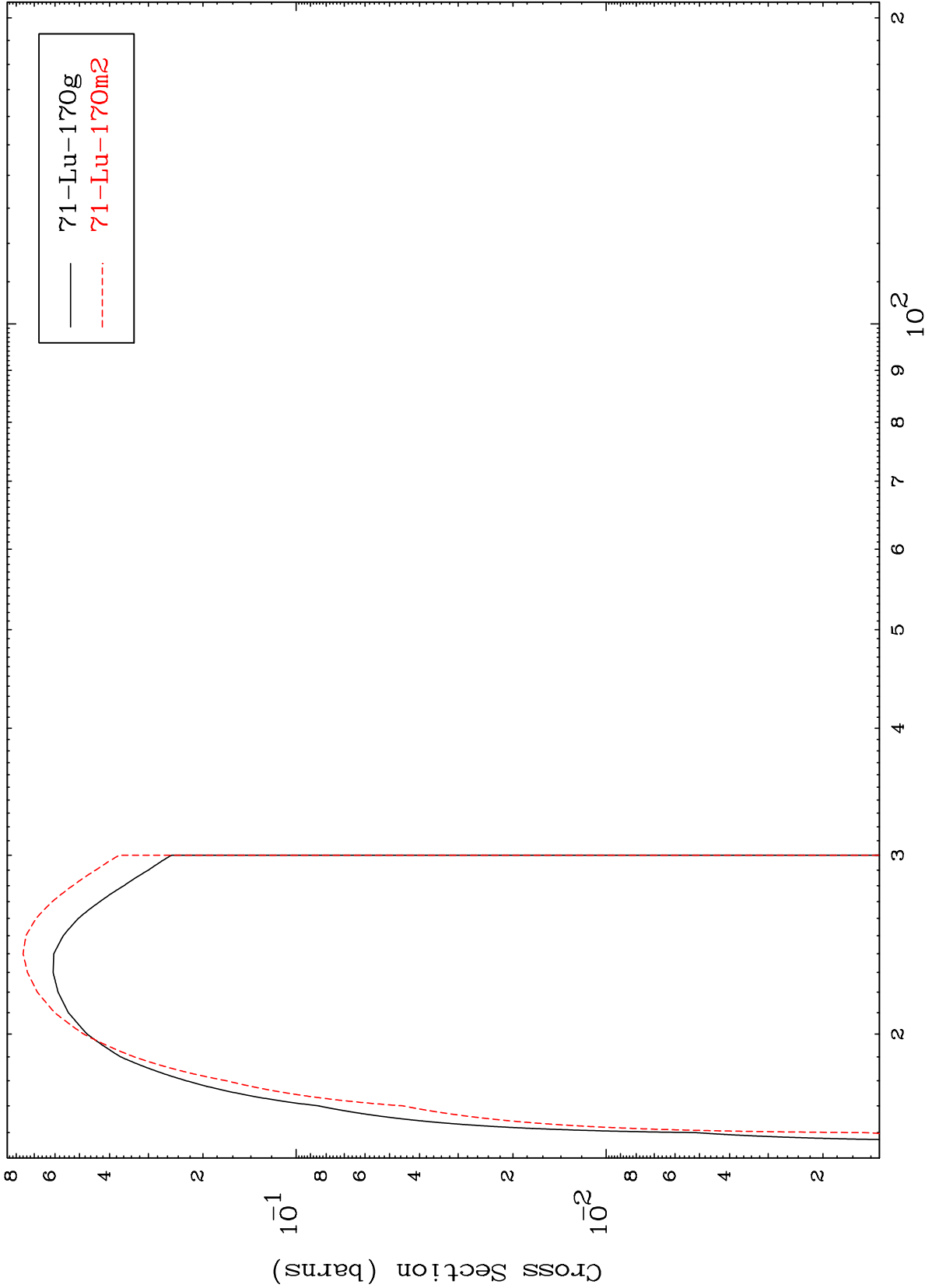
71-Lu-172

MAT 7116

(n,3n)

71-Lu-172

Radionuclide Production Cross Section



126

Incident Energy (MeV)

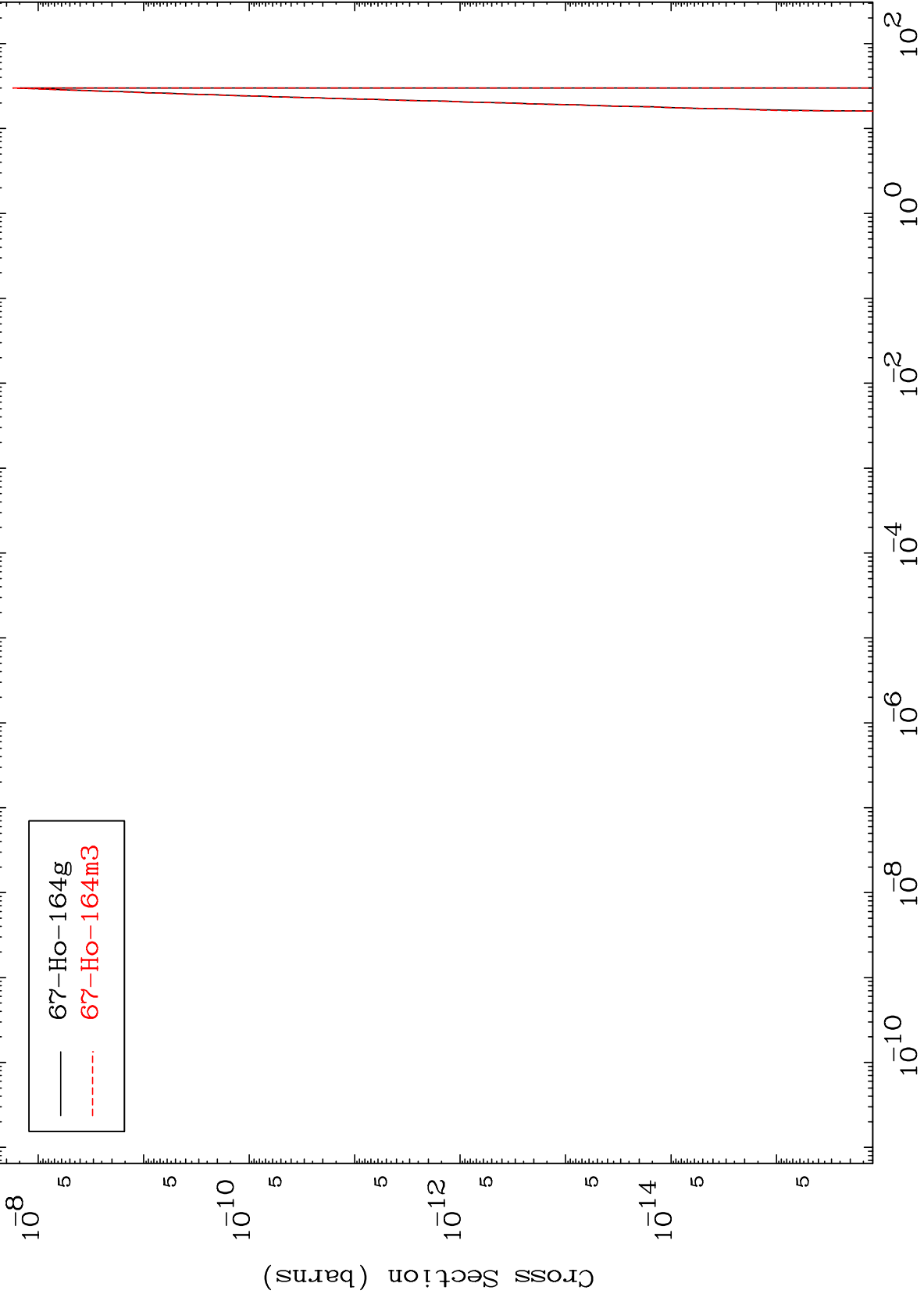
71-Lu-172

MAT 71116

(n,n') 2α

71-Lu-172

Radionuclide Production Cross Section



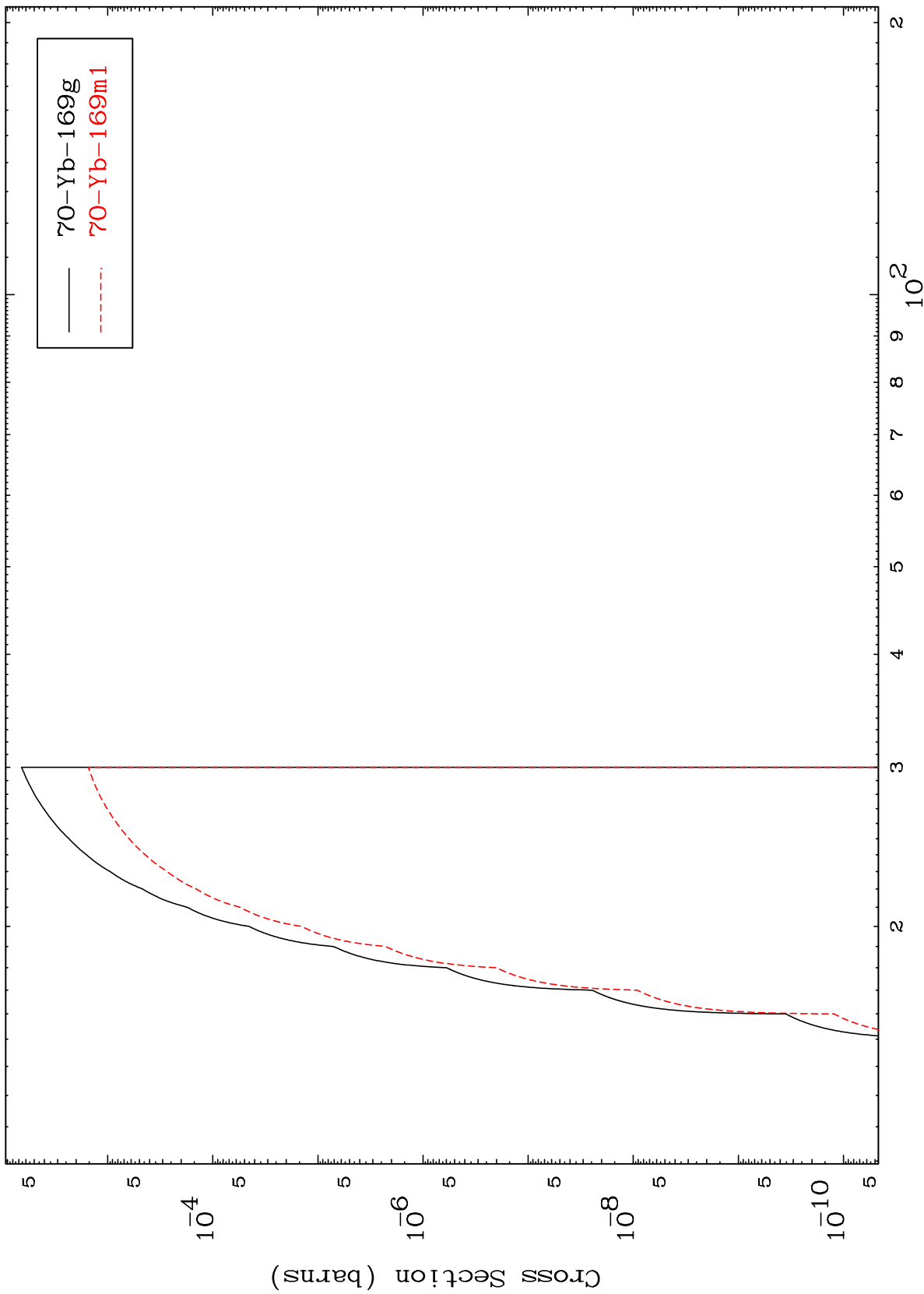
127

Incident Energy (MeV)

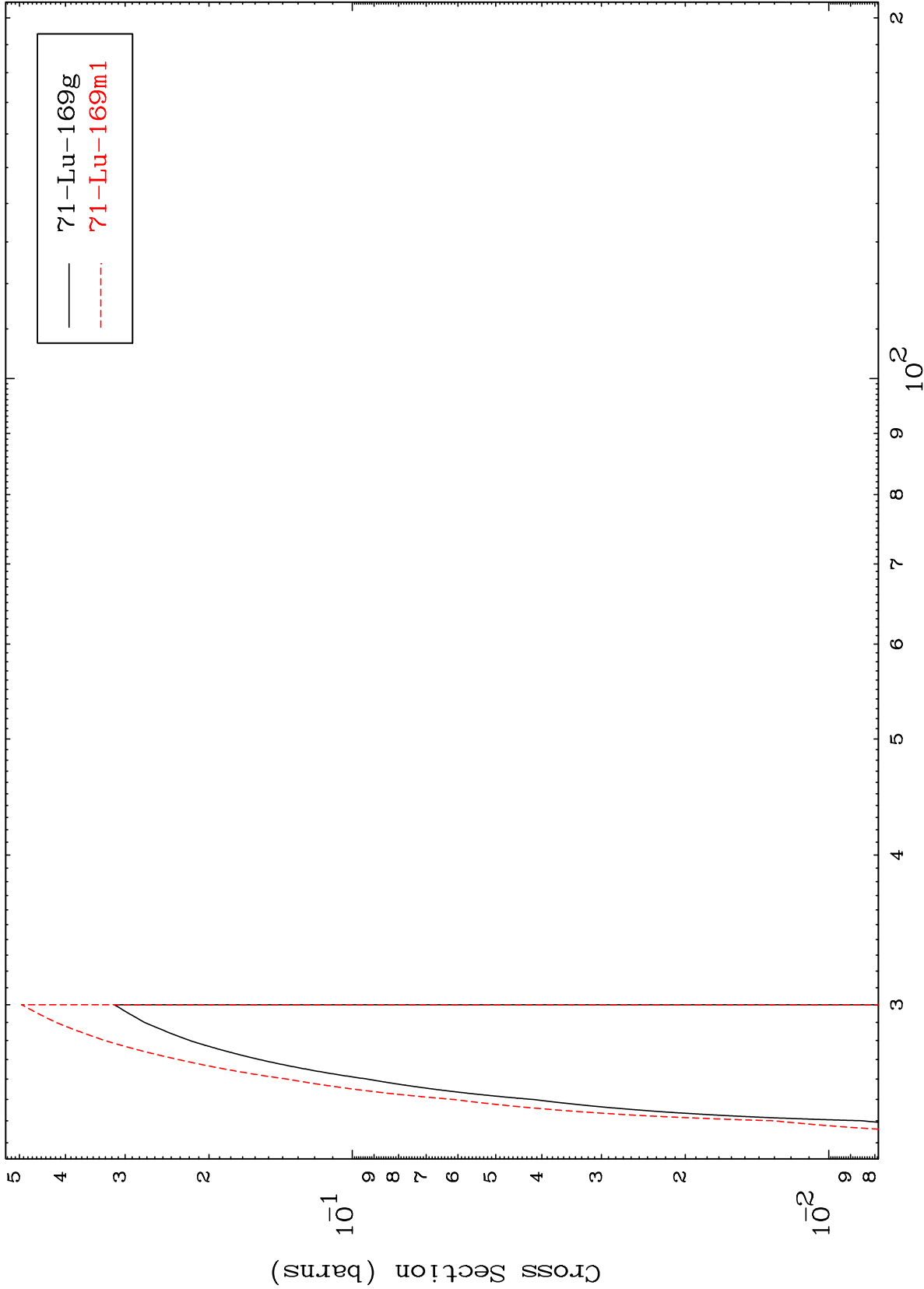
71-Lu-172



Radionuclide Production Cross Section



Radionuclide Production Cross Section

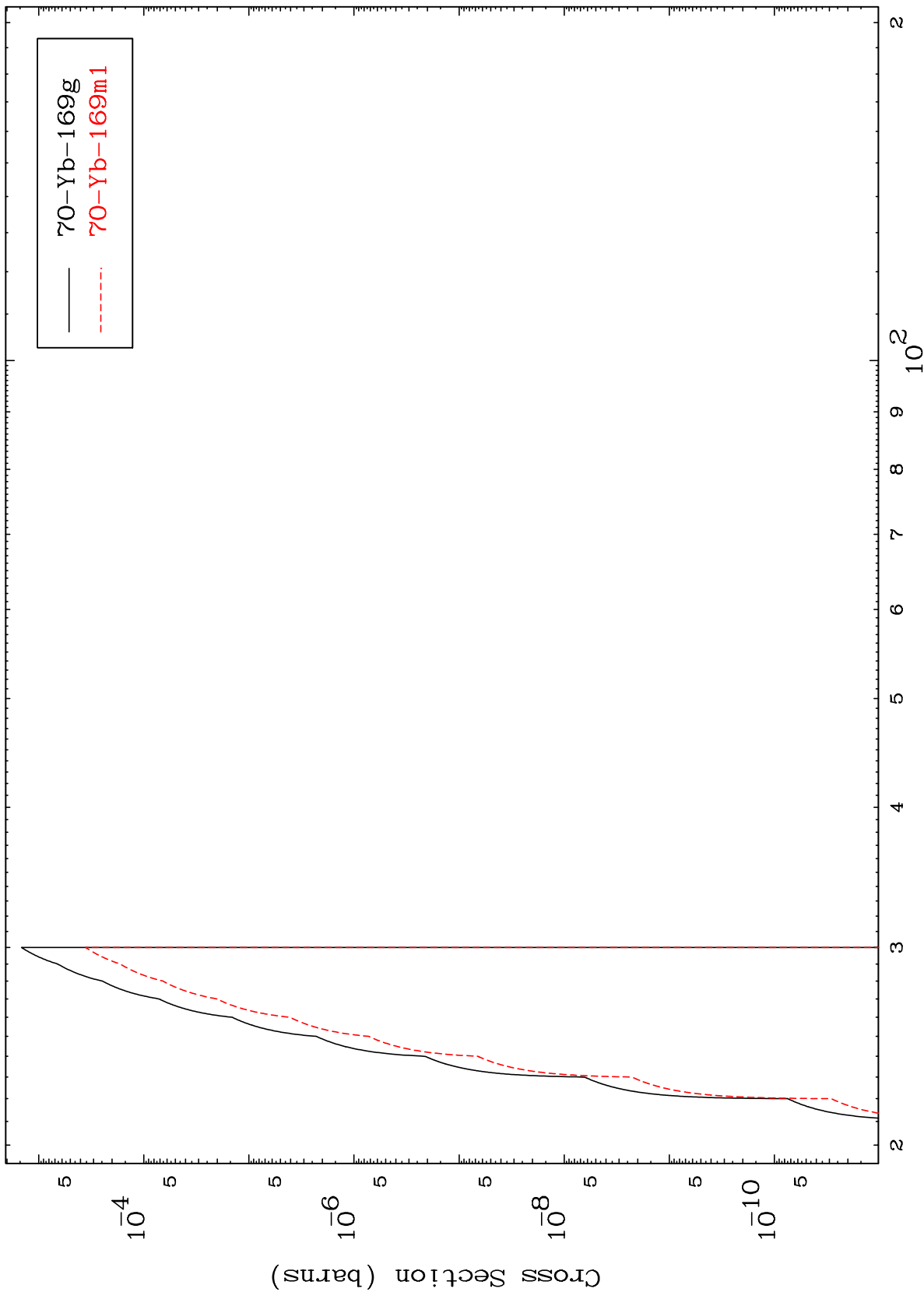


MAT 7116

(n,3n) p

71-Lu-172

Radionuclide Production Cross Section



130

Incident Energy (MeV)

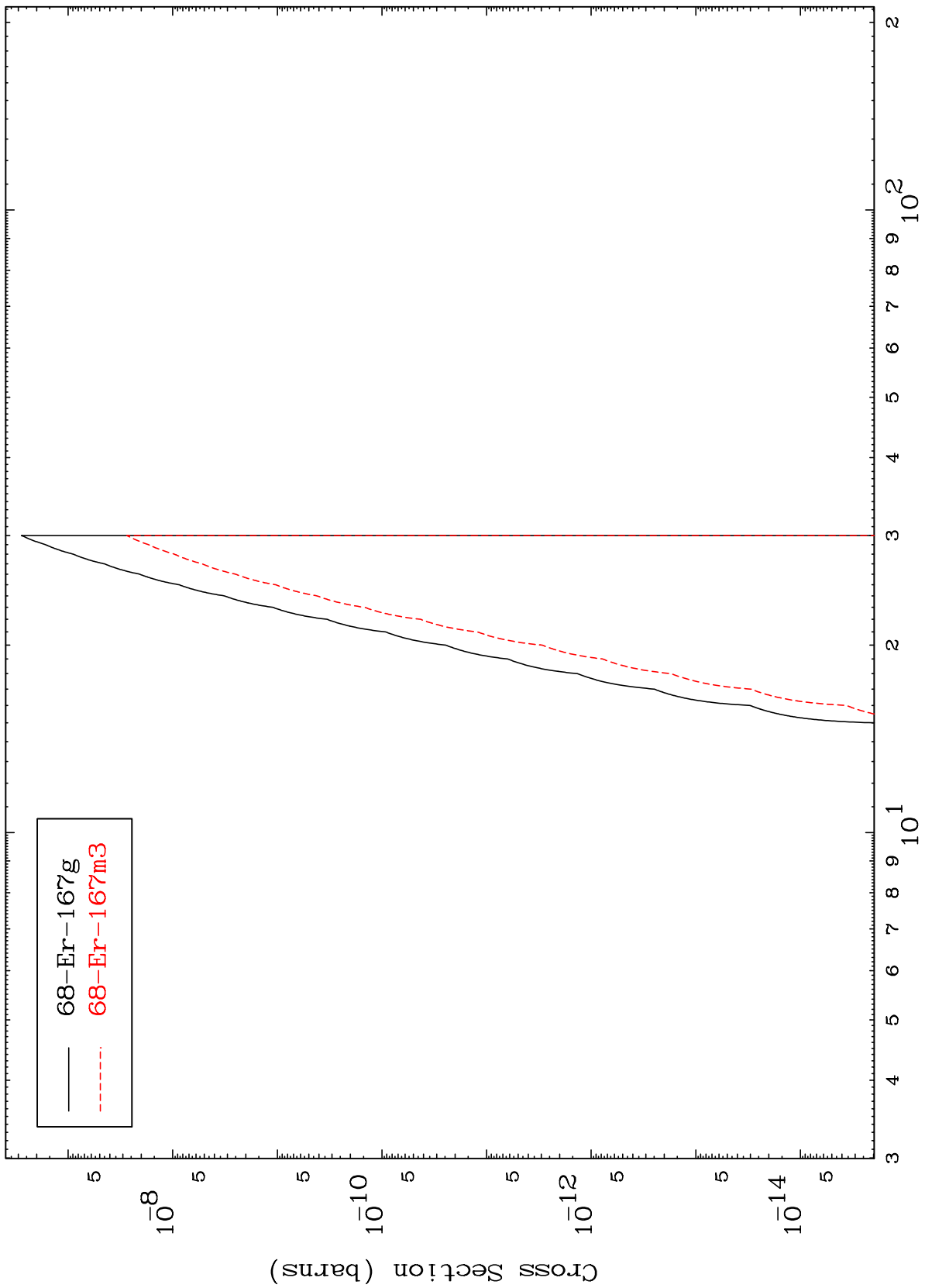
71-Lu-172

MAT 71116

(n,n') p  $\alpha$

71-Lu-172

Radionuclide Production Cross Section



131

Incident Energy (MeV)

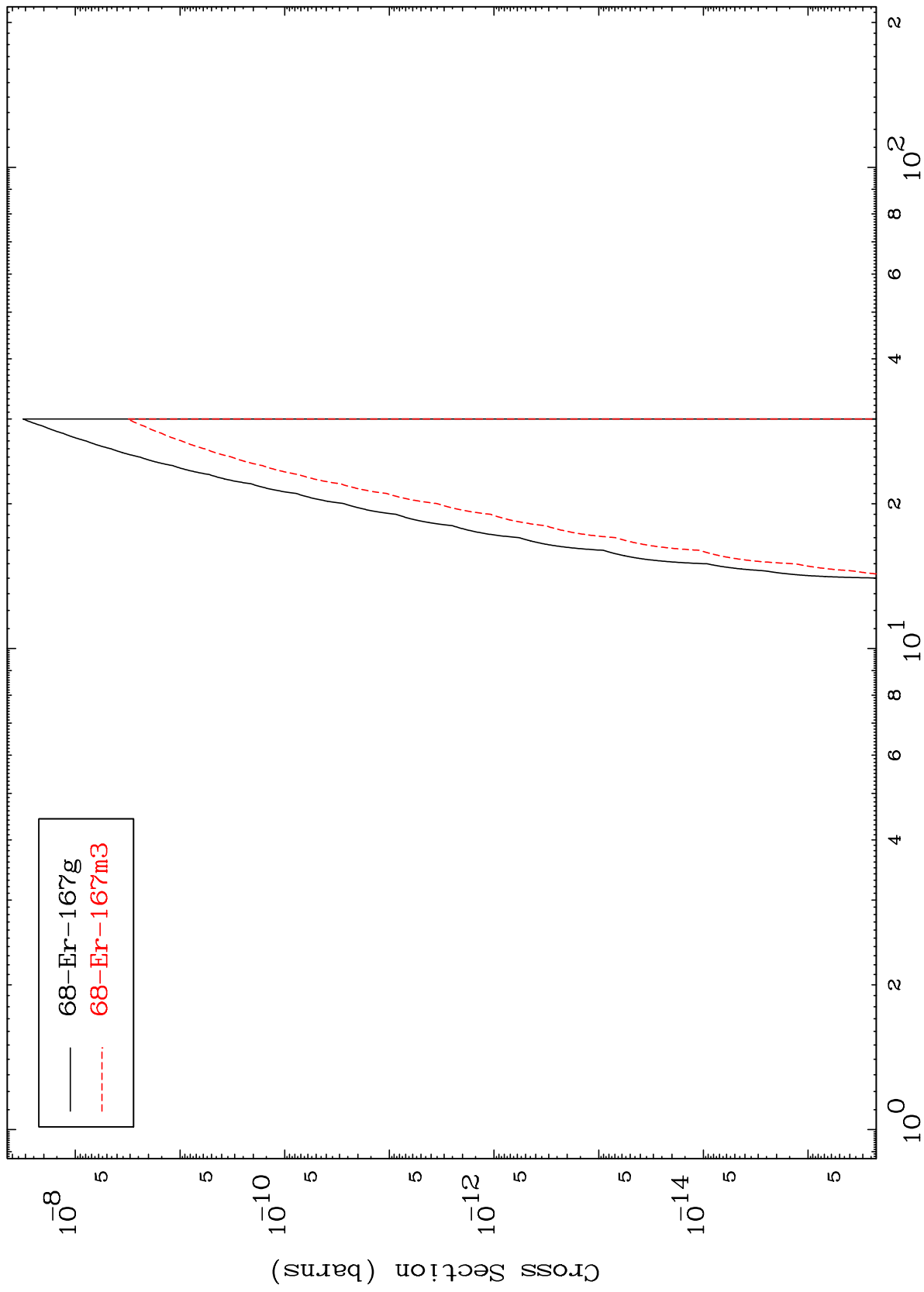
71-Lu-172

MAT 71116

(n,d)  $\alpha$

71-Lu-172

Radionuclide Production Cross Section



Incident Energy (MeV)

71-Lu-172

132