

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

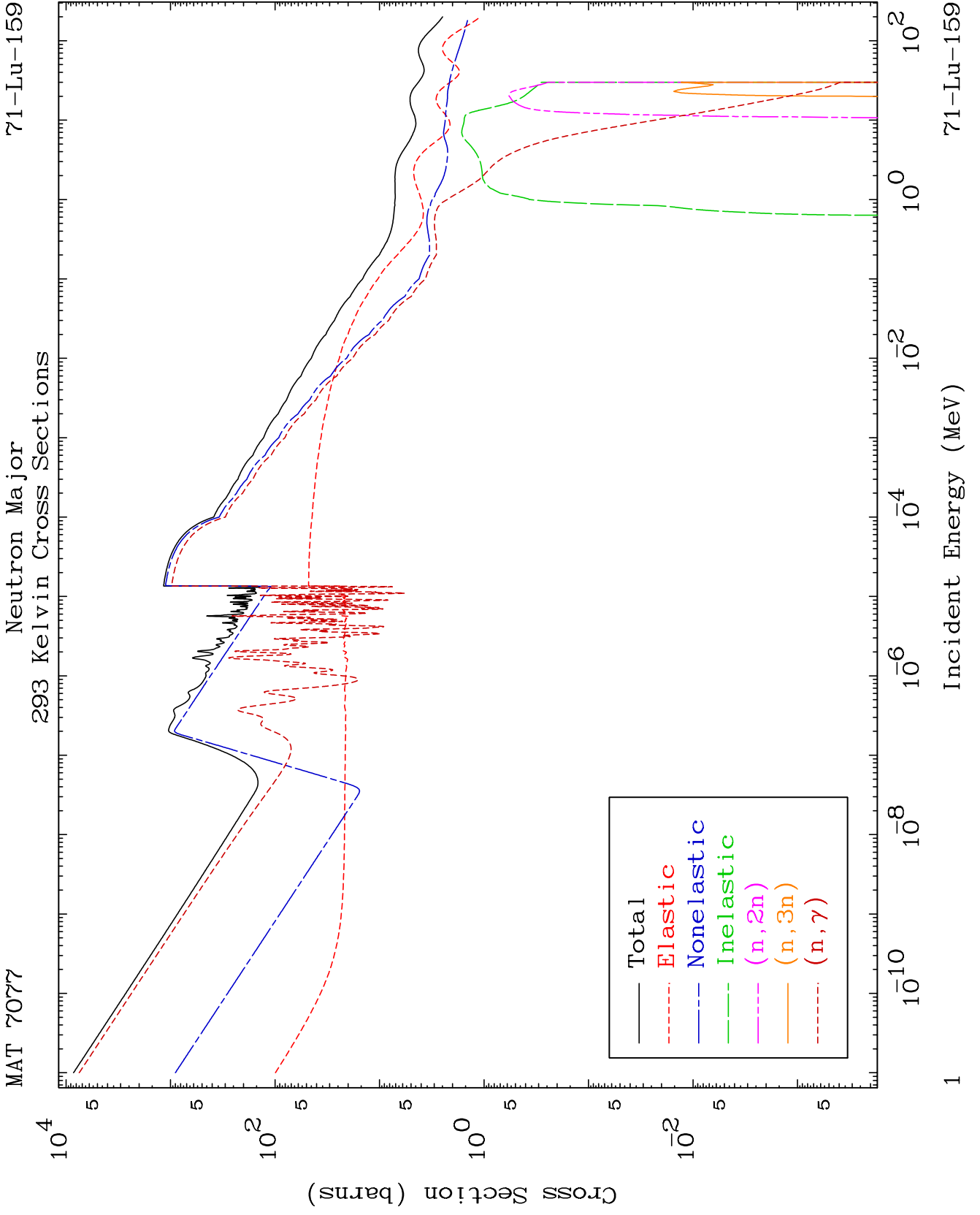
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

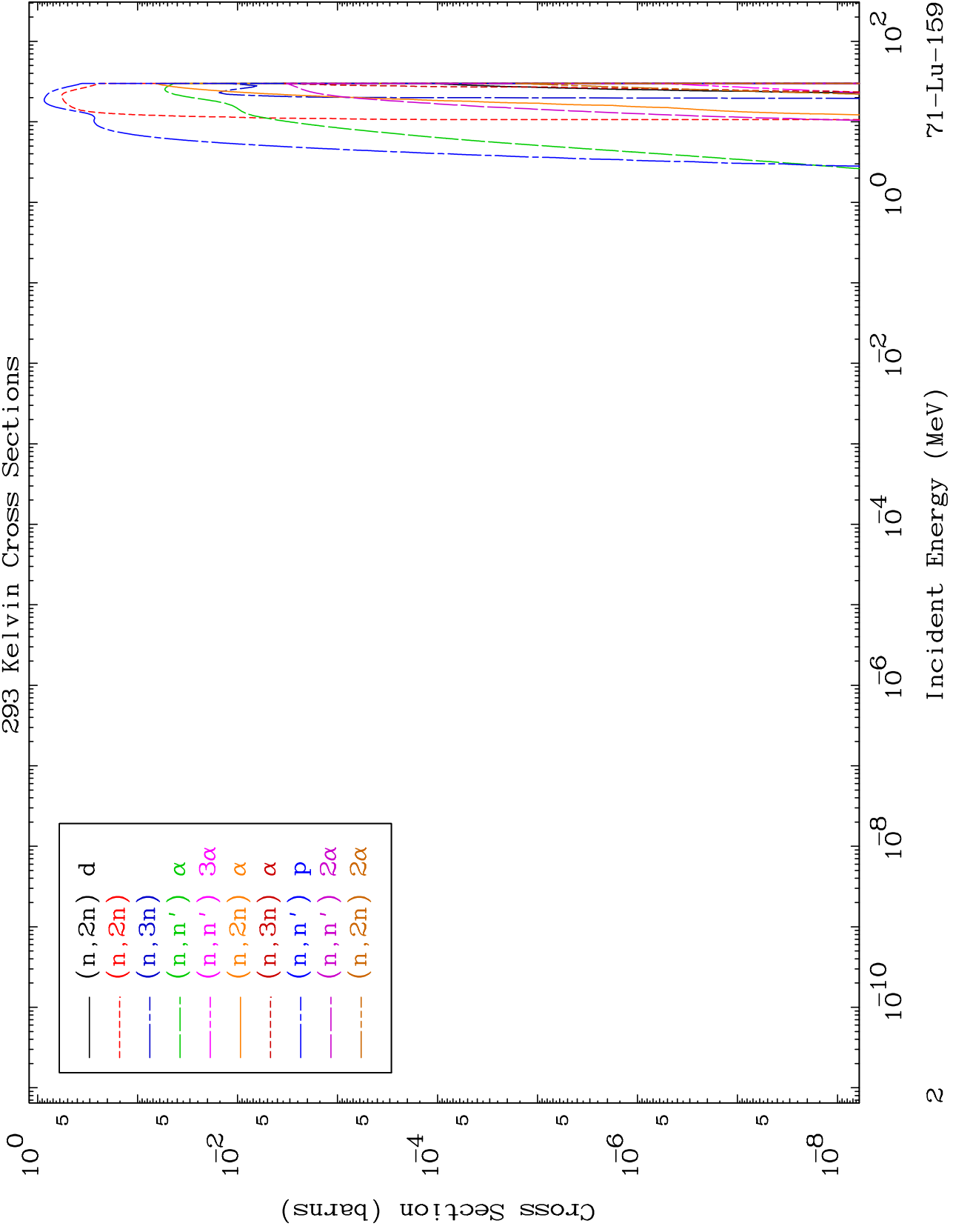
Press Mouse Button to Start

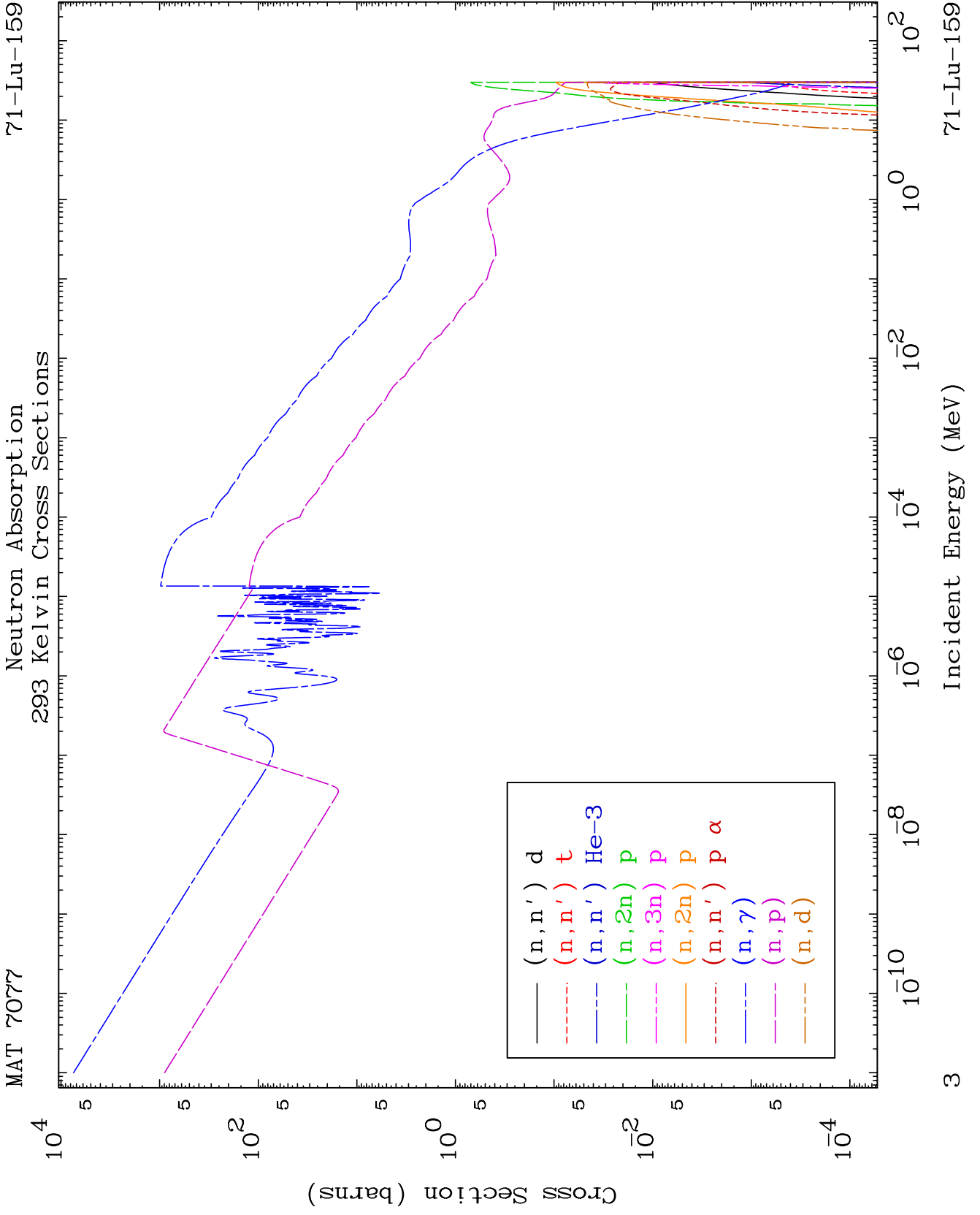


MAT 70777

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-159

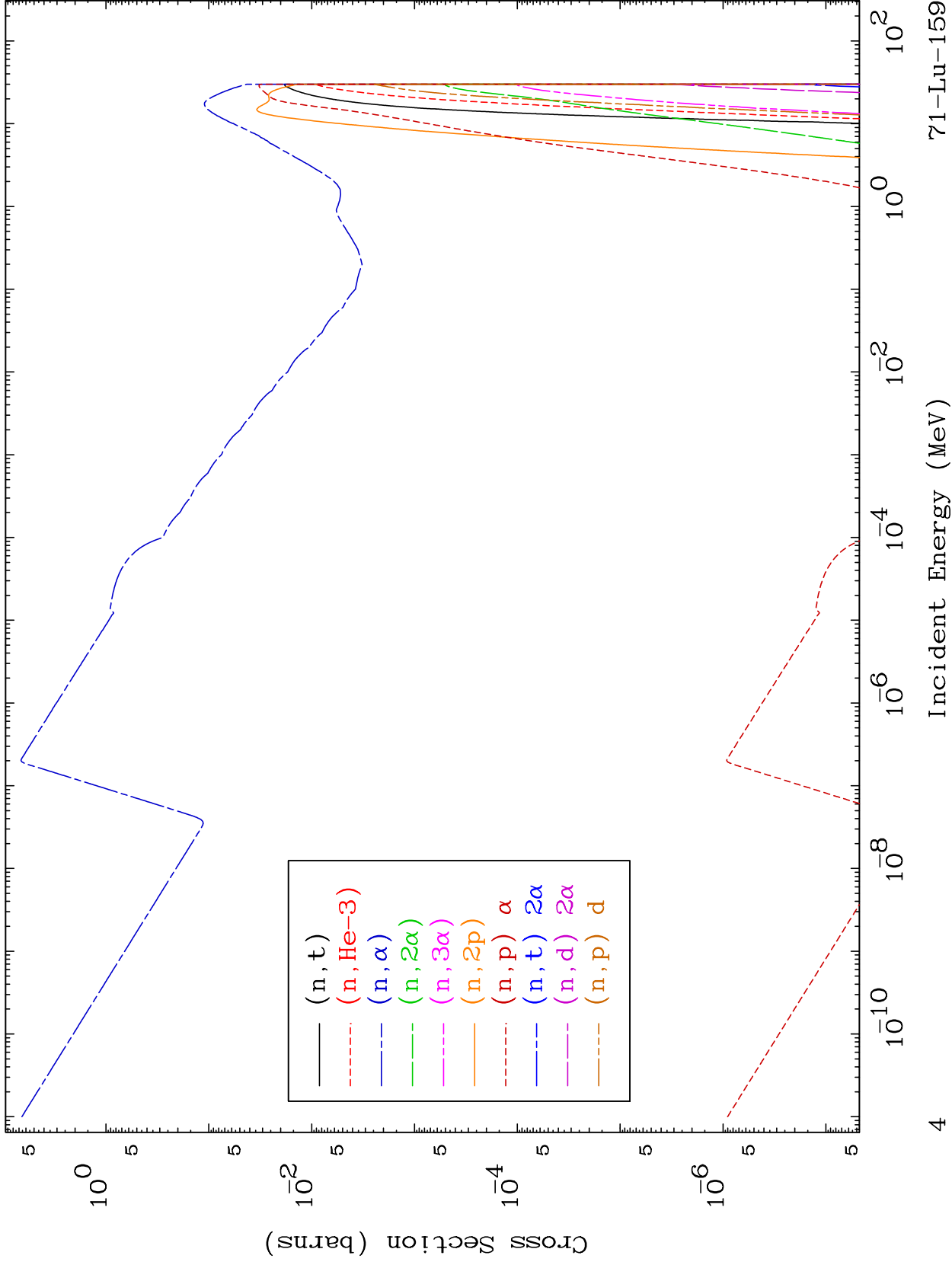


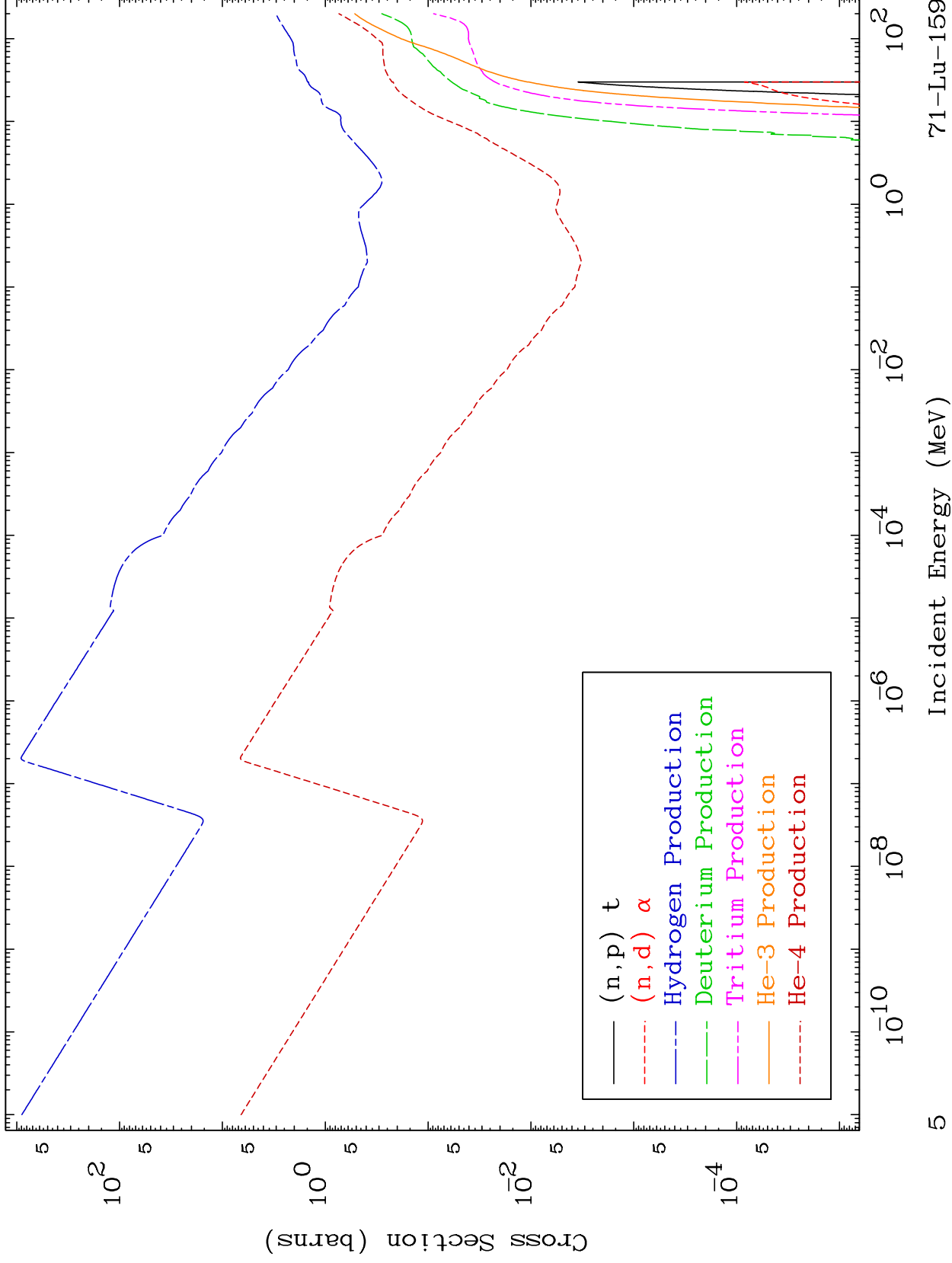


MAT 70777

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-159

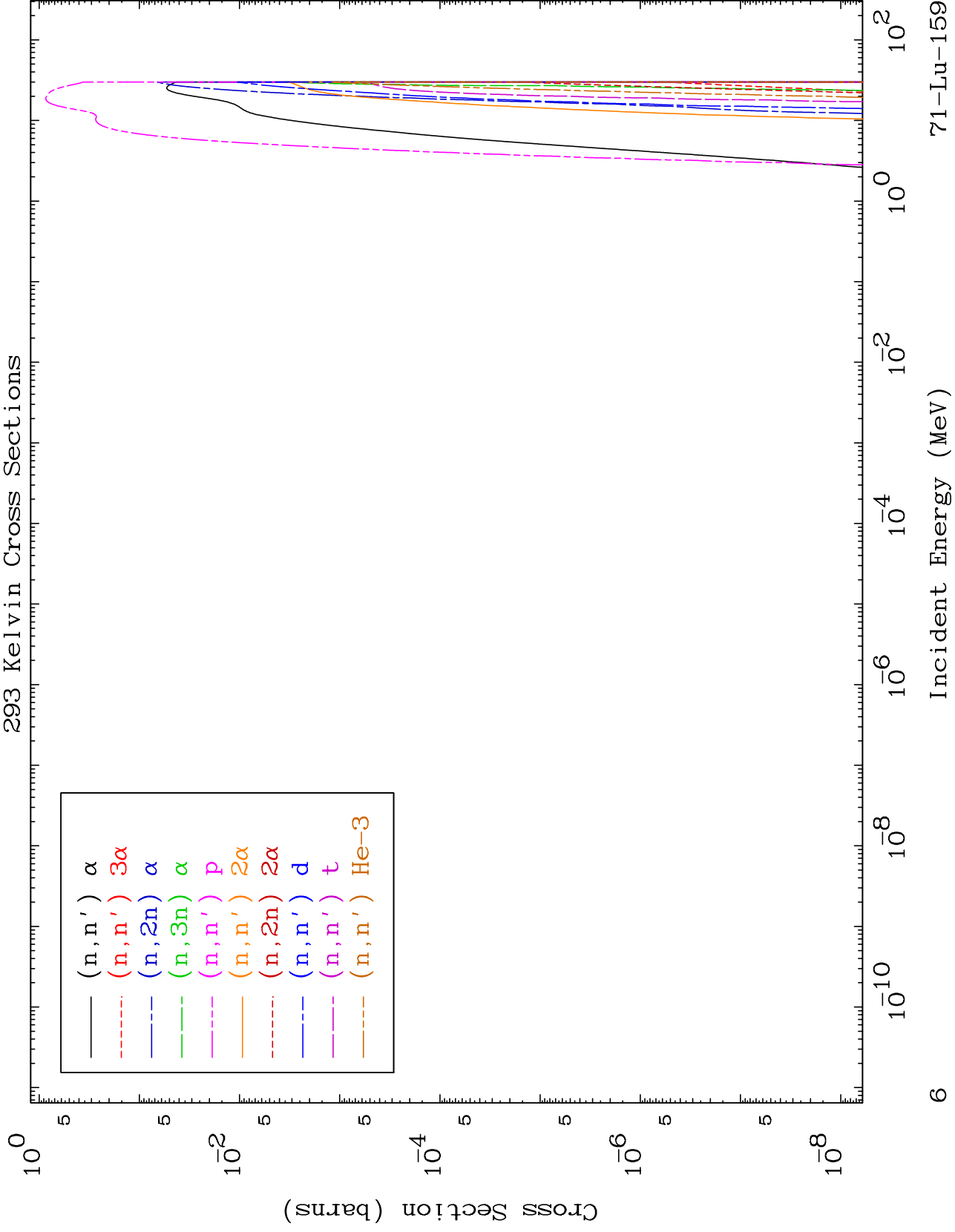




MAT 70777

Charged Particle
293 Kelvin Cross Sections

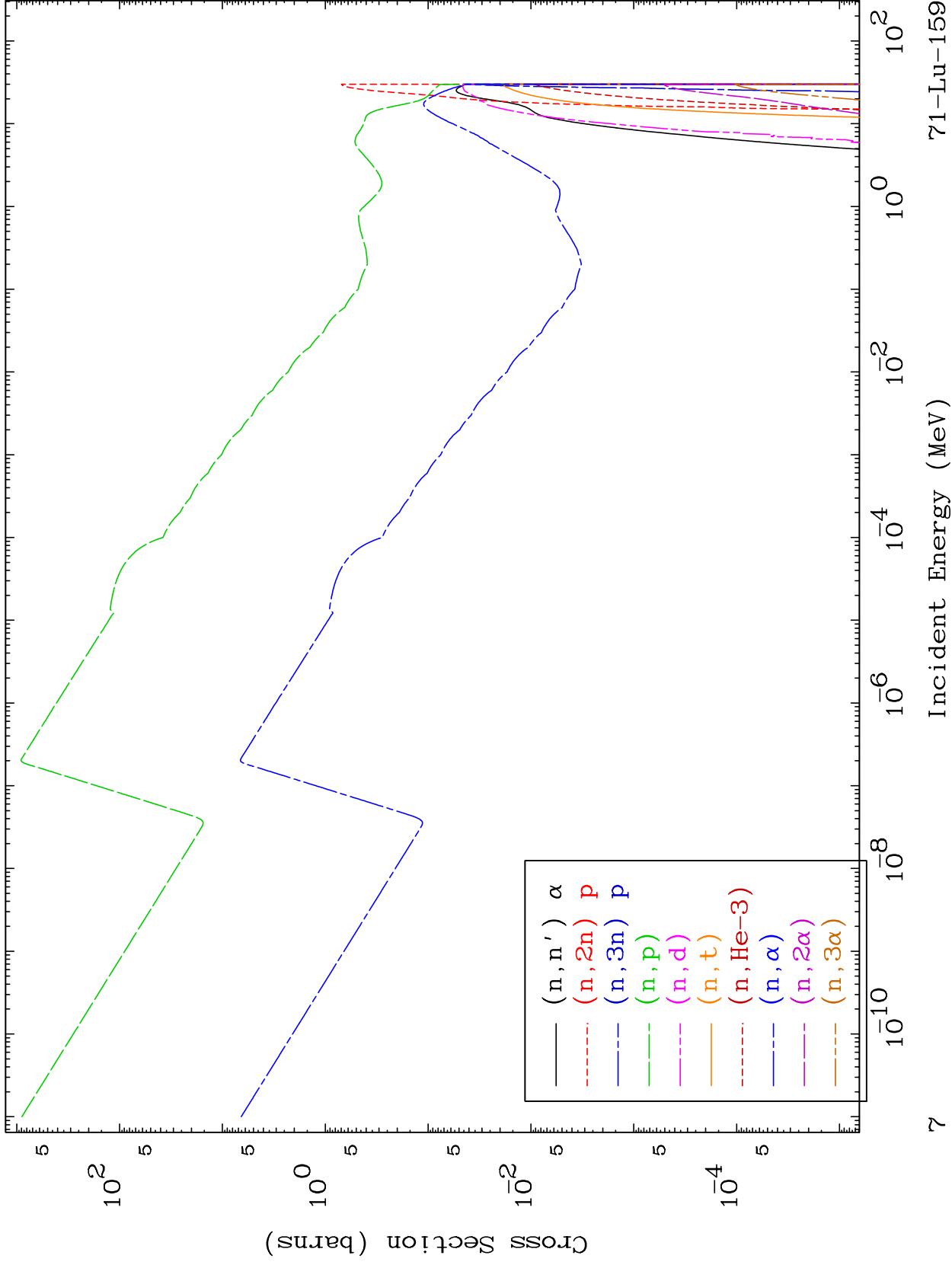
71-Lu-159



MAT 70777

Charged Particle
293 Kelvin Cross Sections

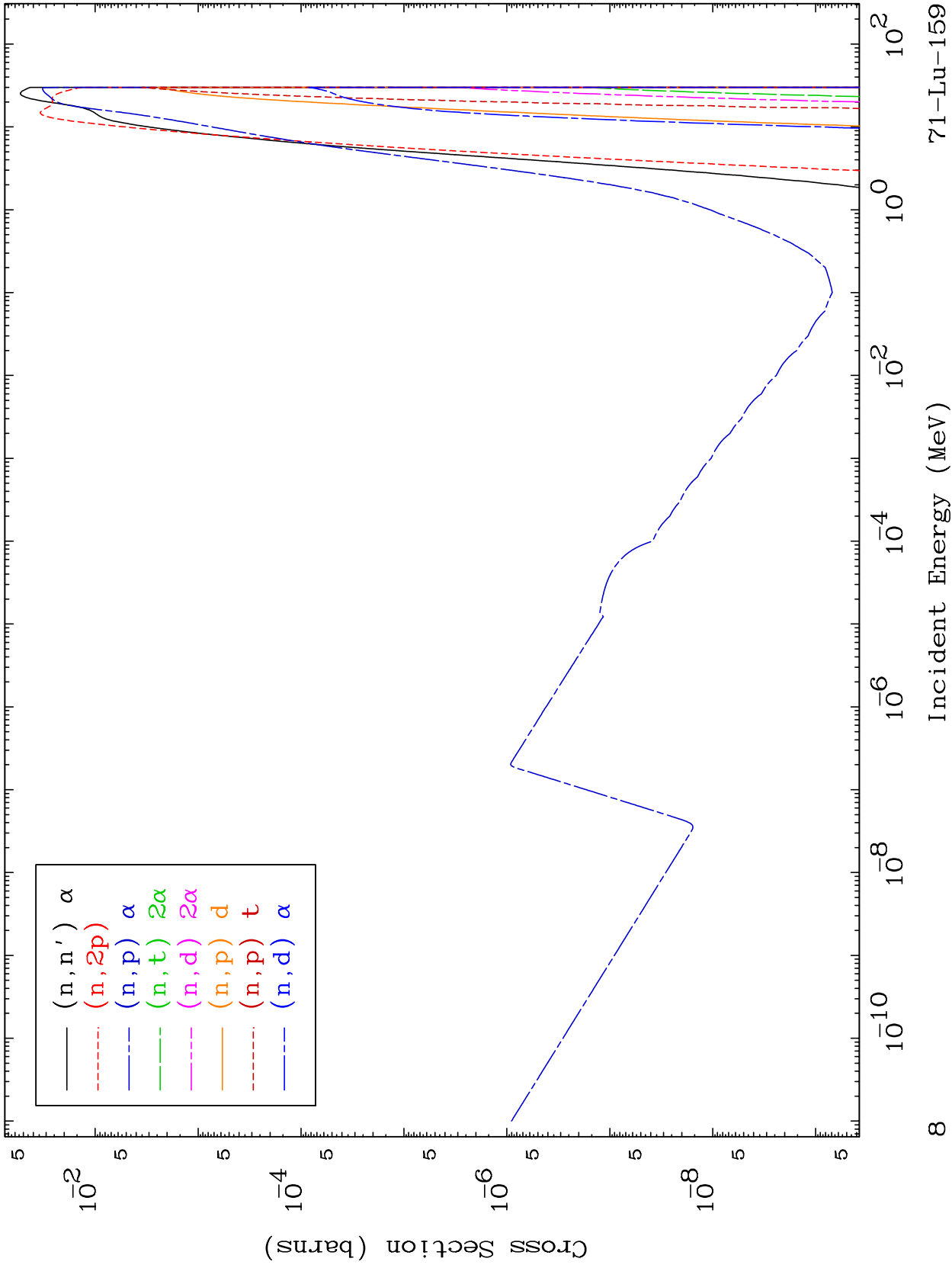
71-Lu-159

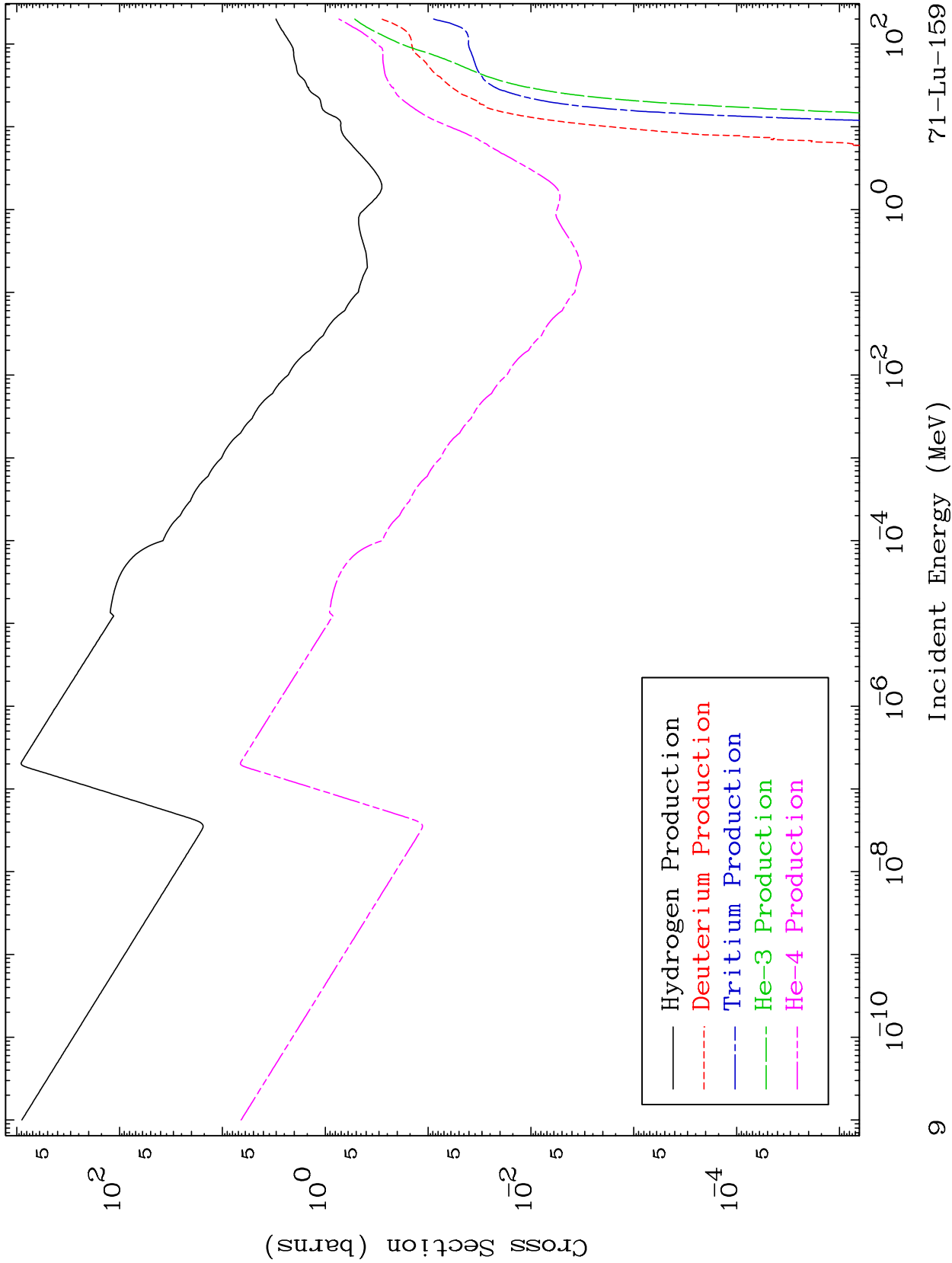


MAT 7077

Charged Particle
293 Kelvin Cross Sections

71-Lu-159



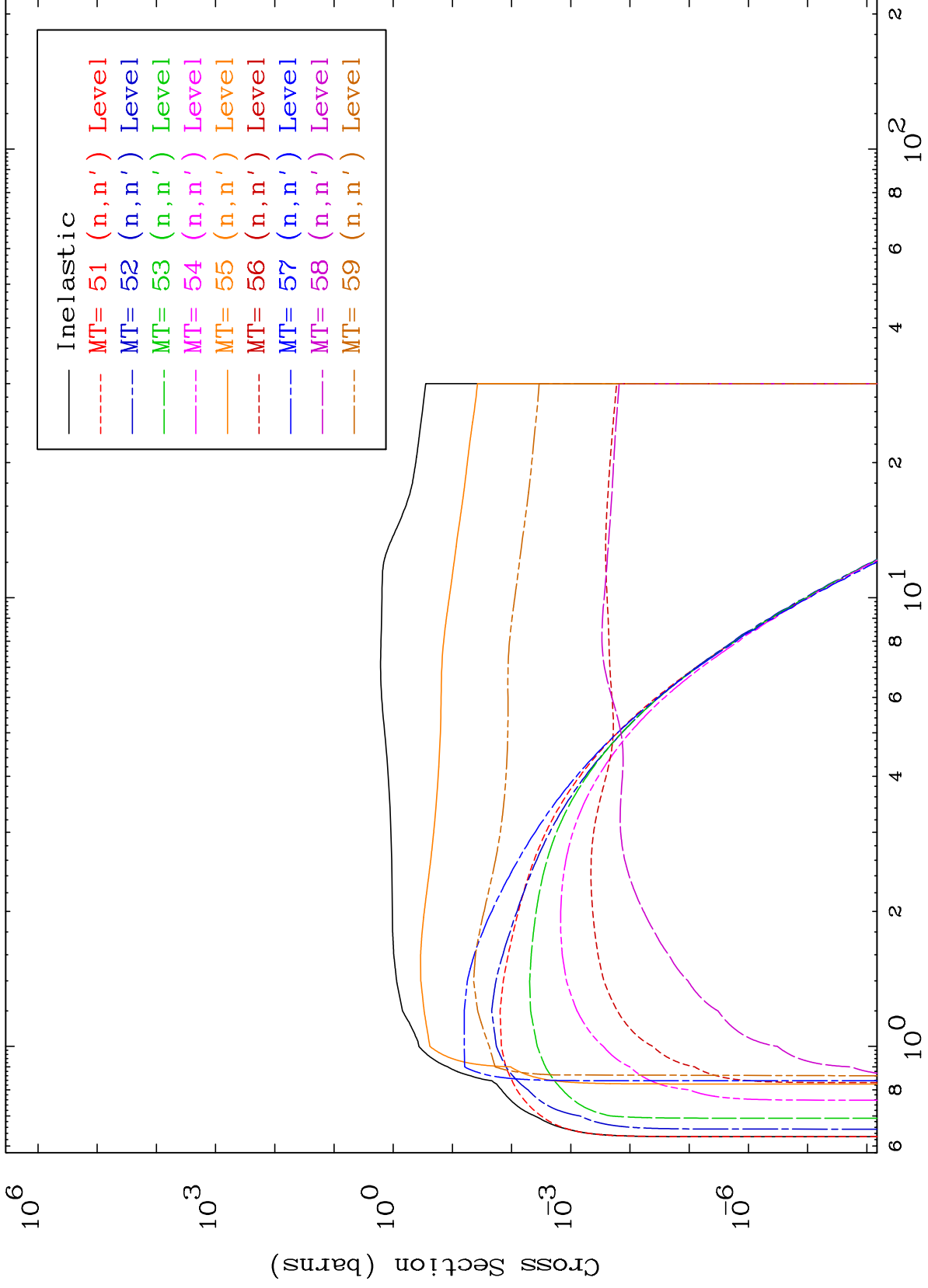


MAT 7077

(n,n') Levels

71-Lu-159

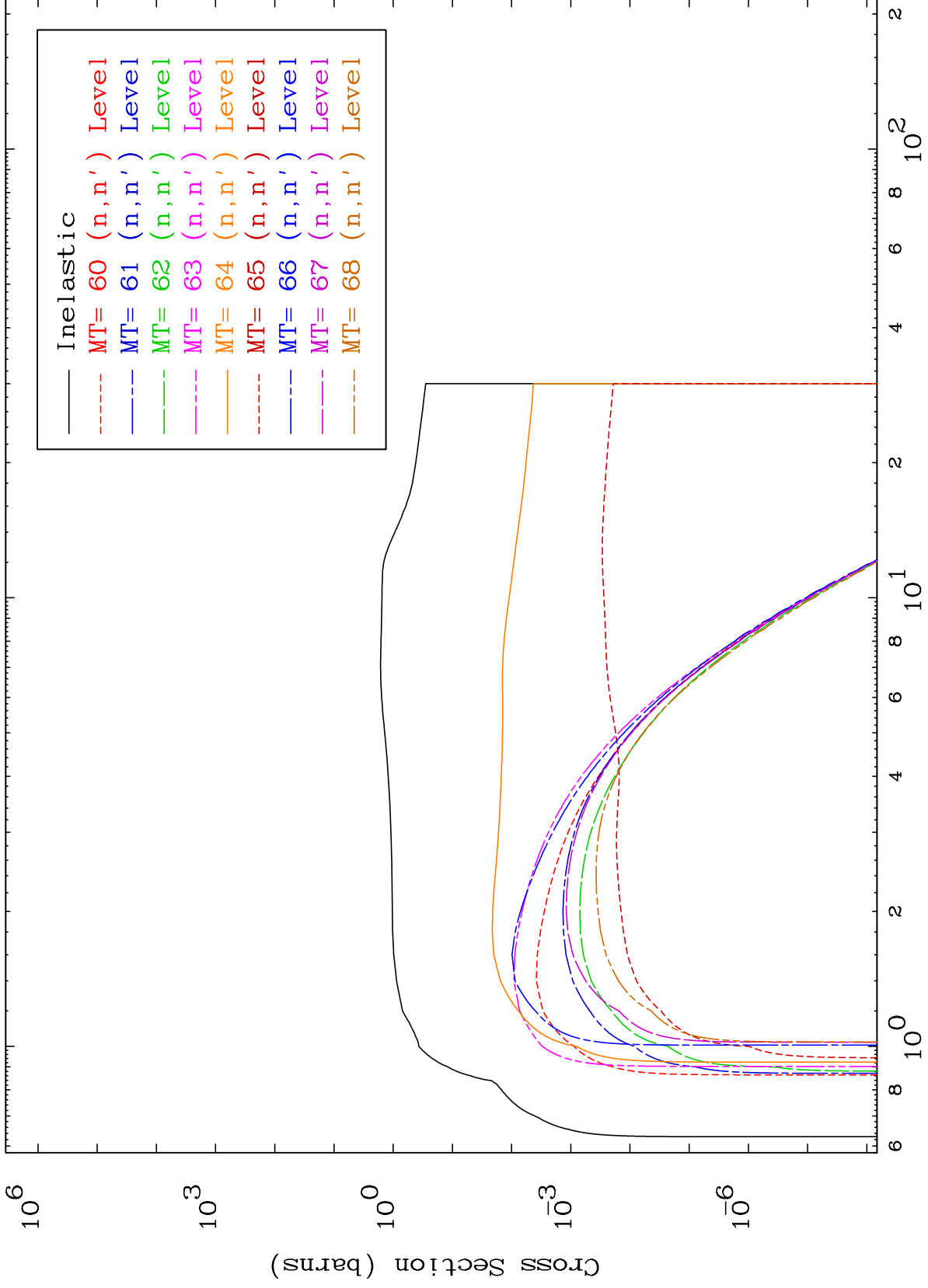
293 Kelvin Cross Sections



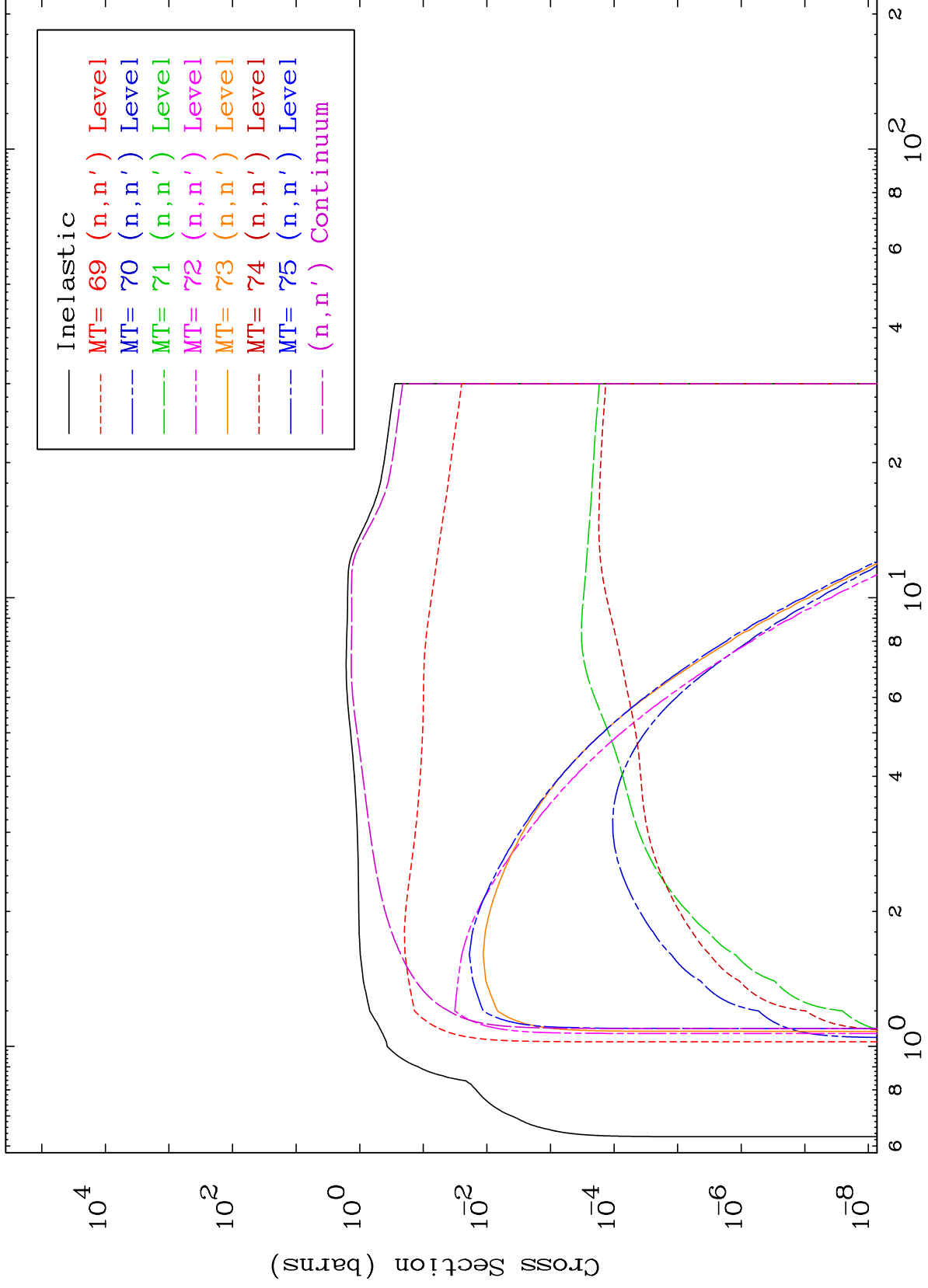
Incident Energy (MeV)

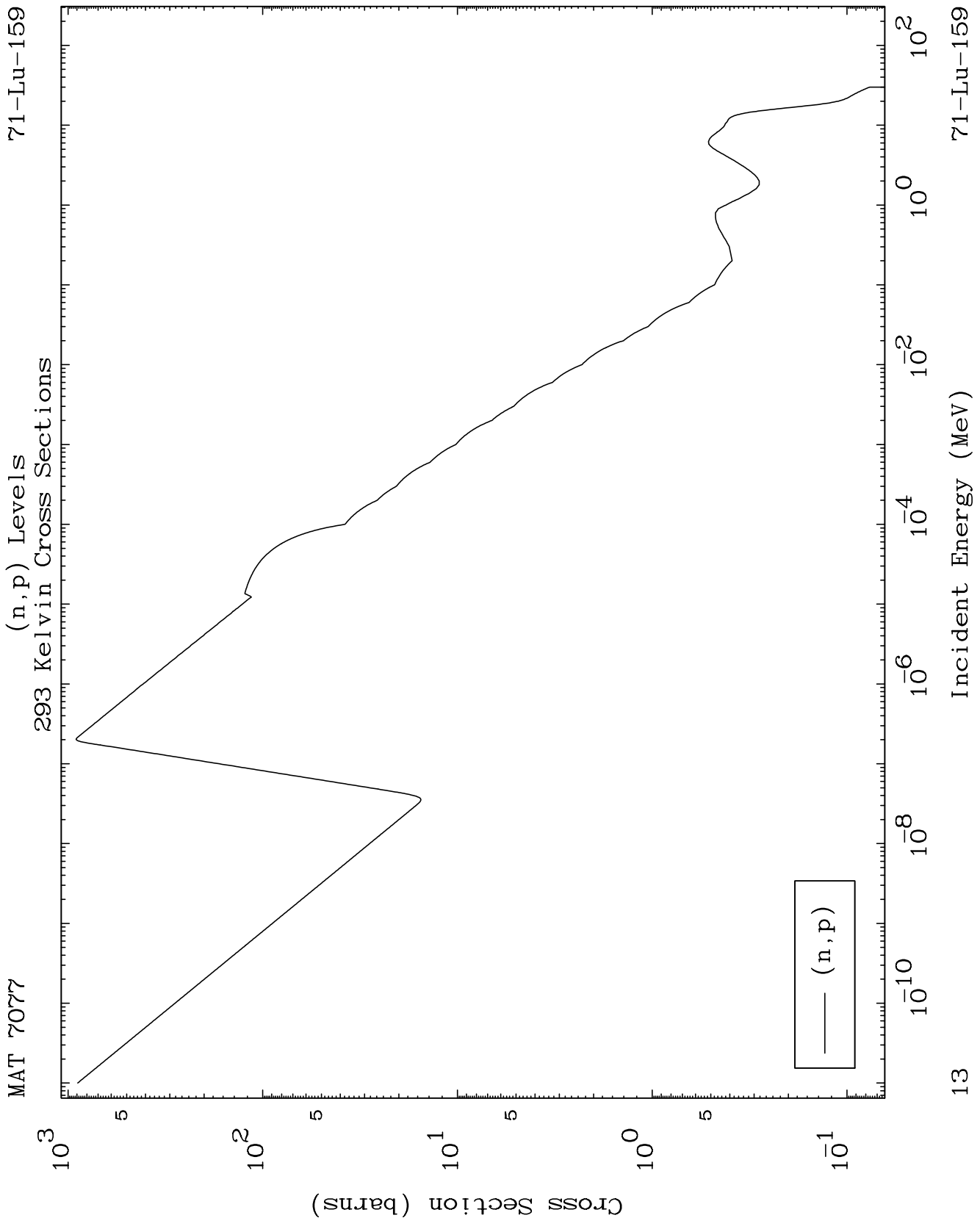
71-Lu-159

293 Kelvin Cross Sections



293 Kelvin Cross Sections

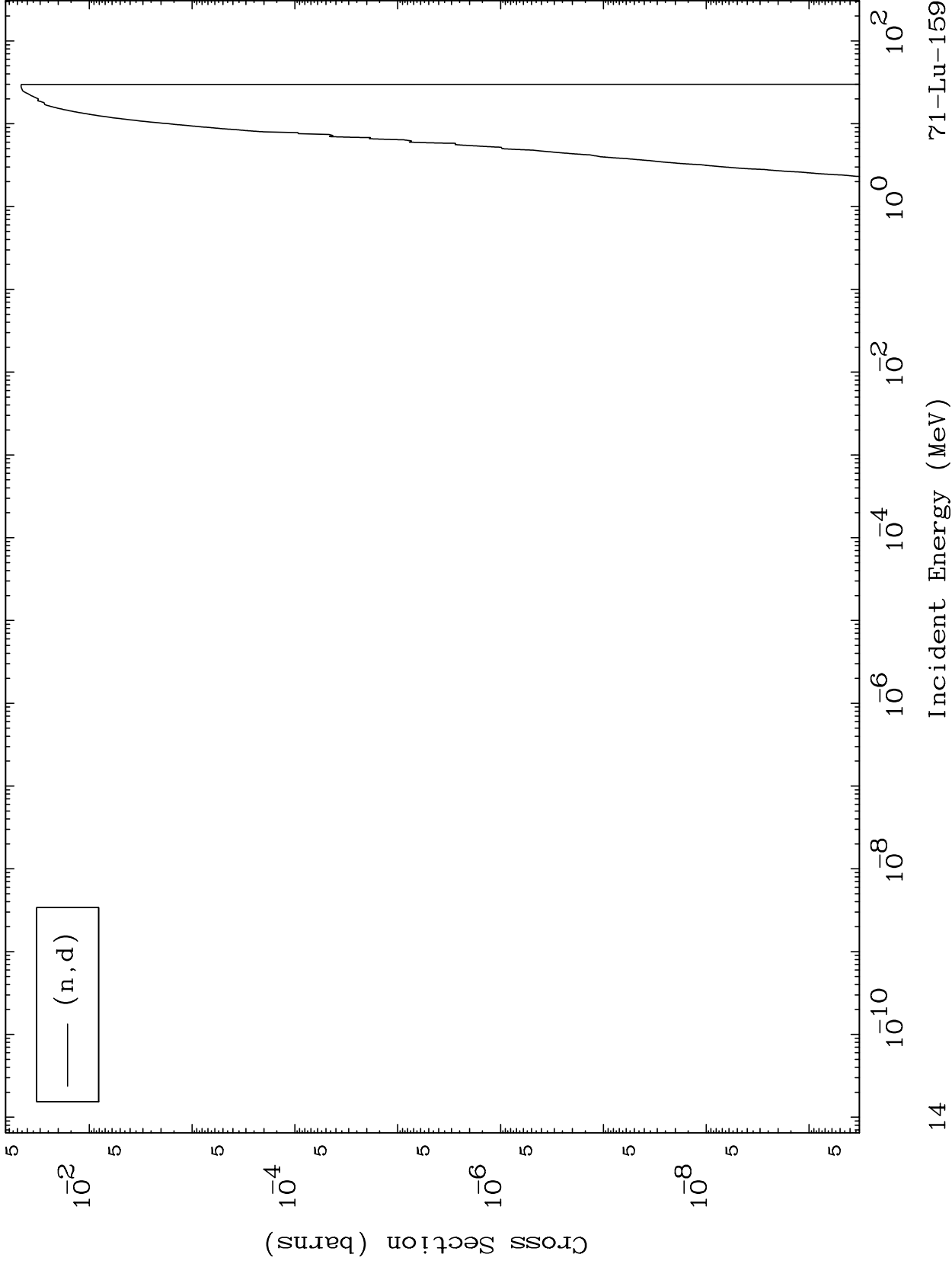




MAT 7077

(n,d) Levels
293 Kelvin Cross Sections

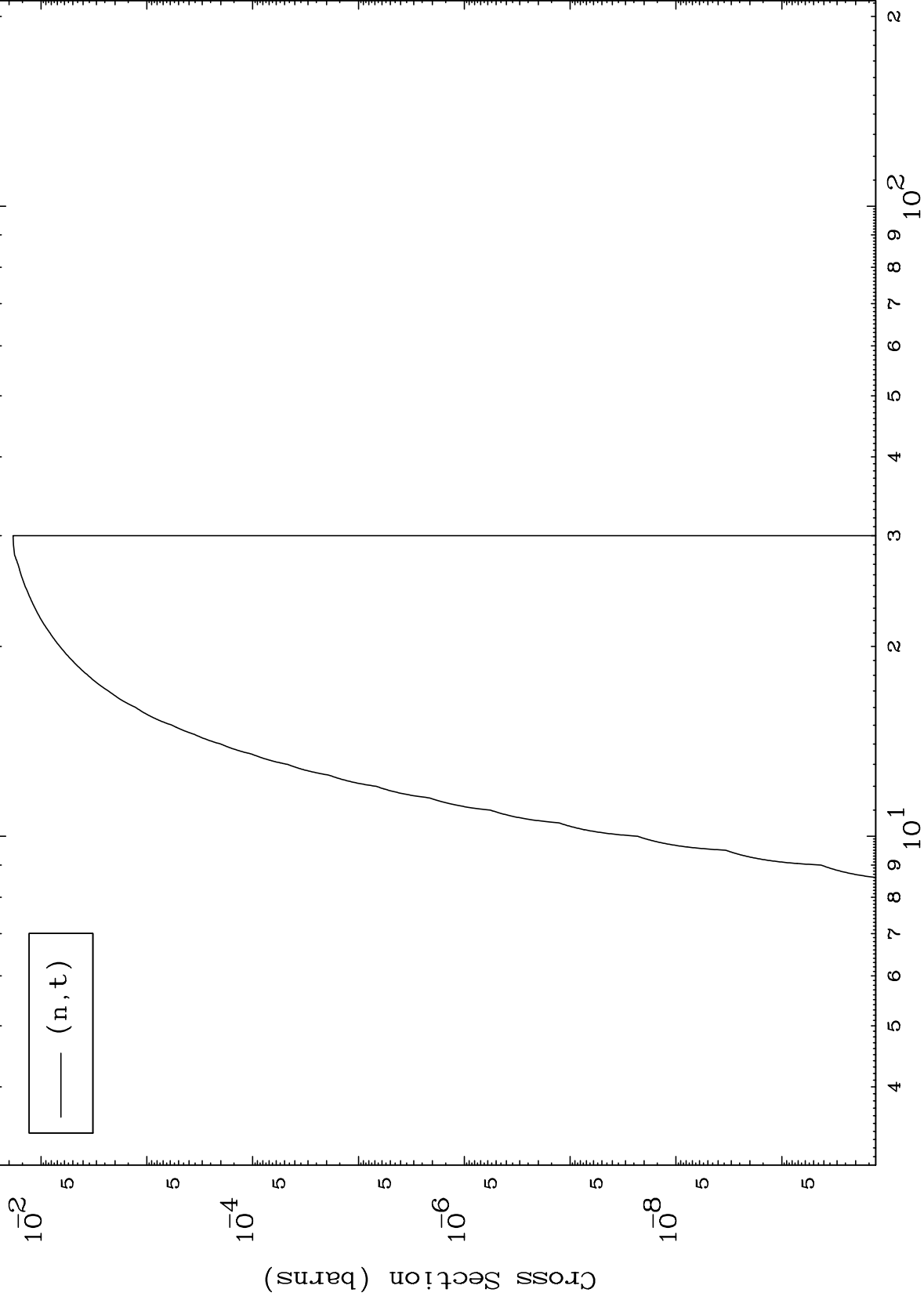
71-Lu-159



MAT 7077

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-159



15

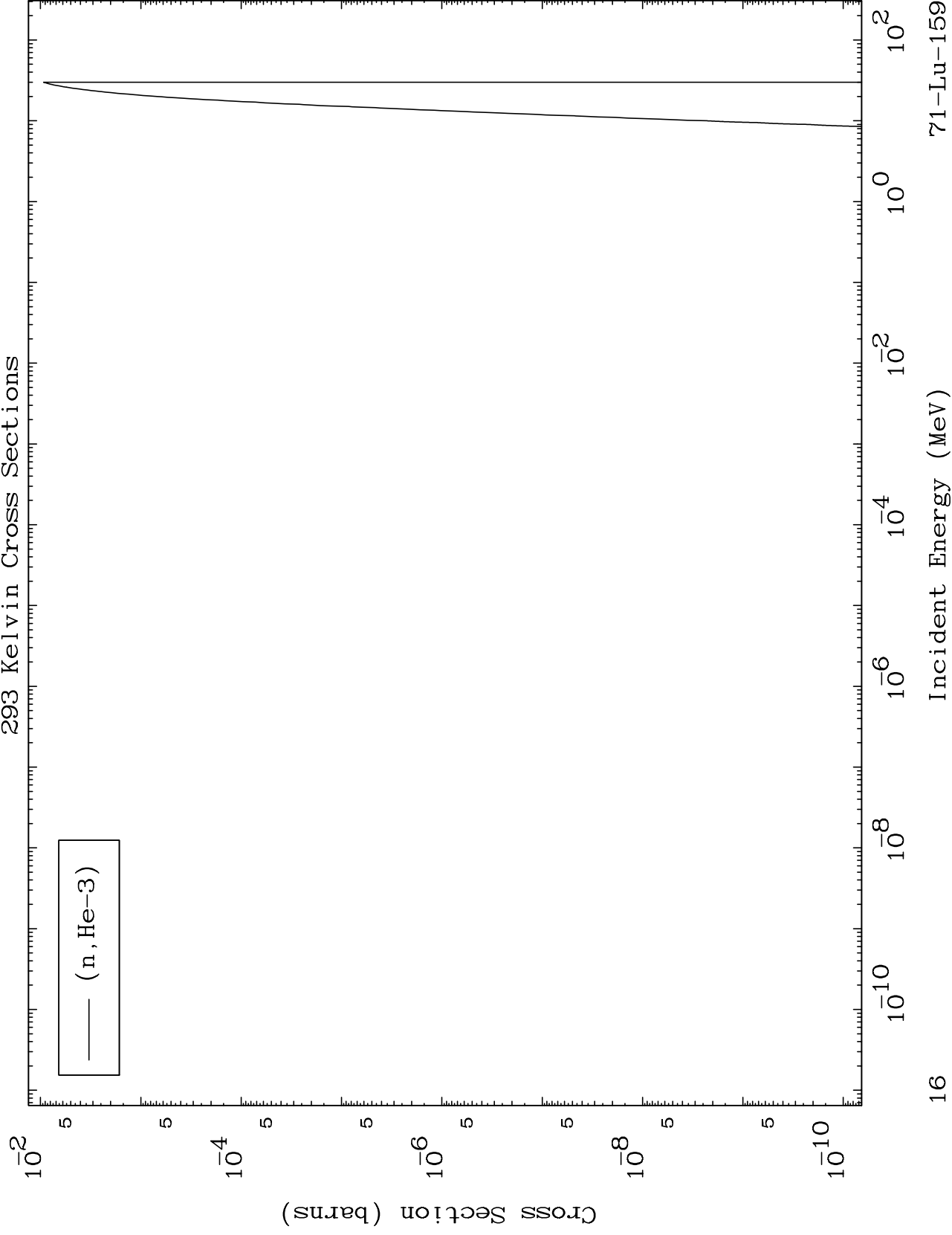
Incident Energy (MeV)

71-Lu-159

MAT 7077

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-159

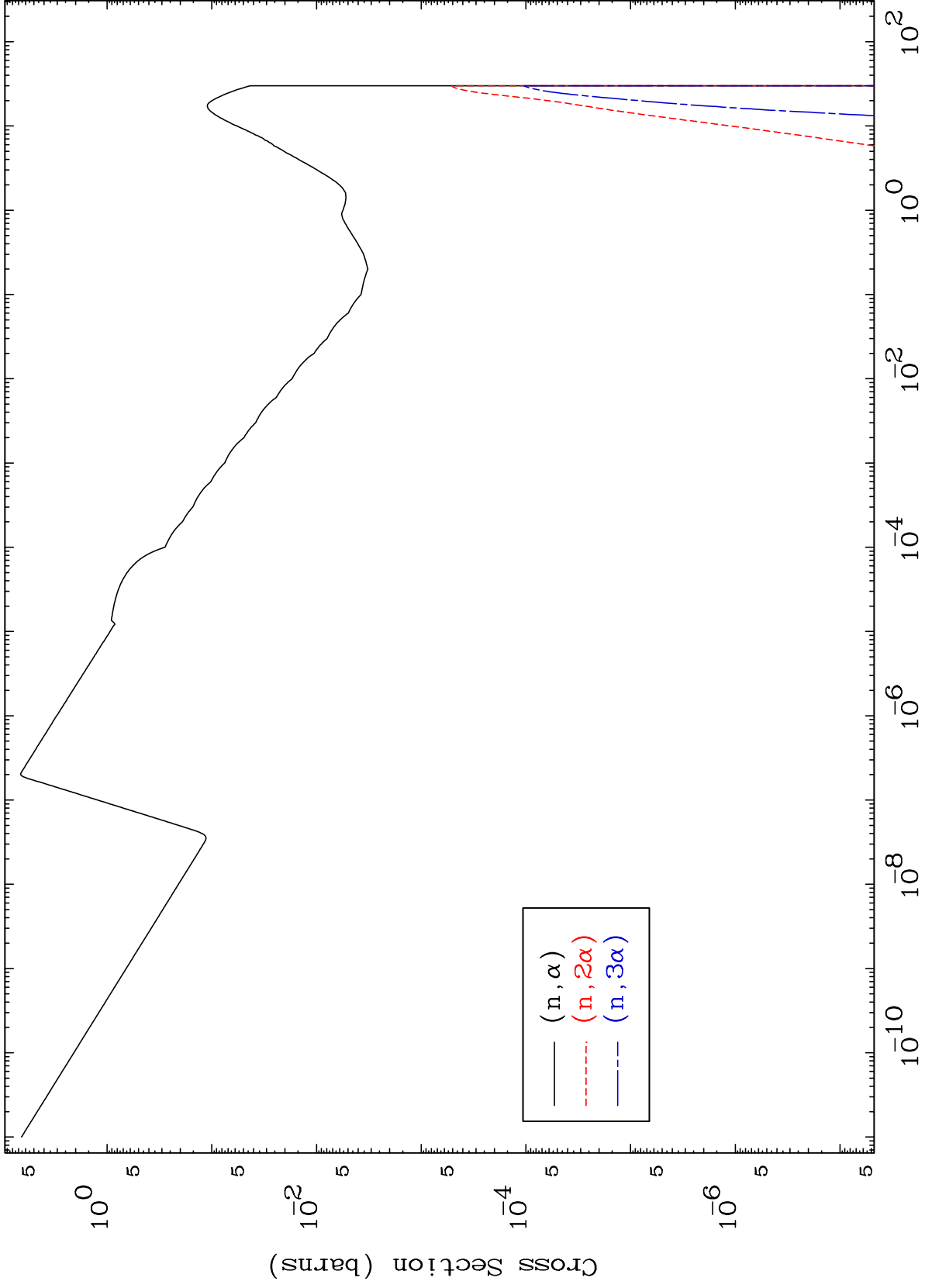


16

MAT 70777

(n, α) Levels
293 Kelvin Cross Sections

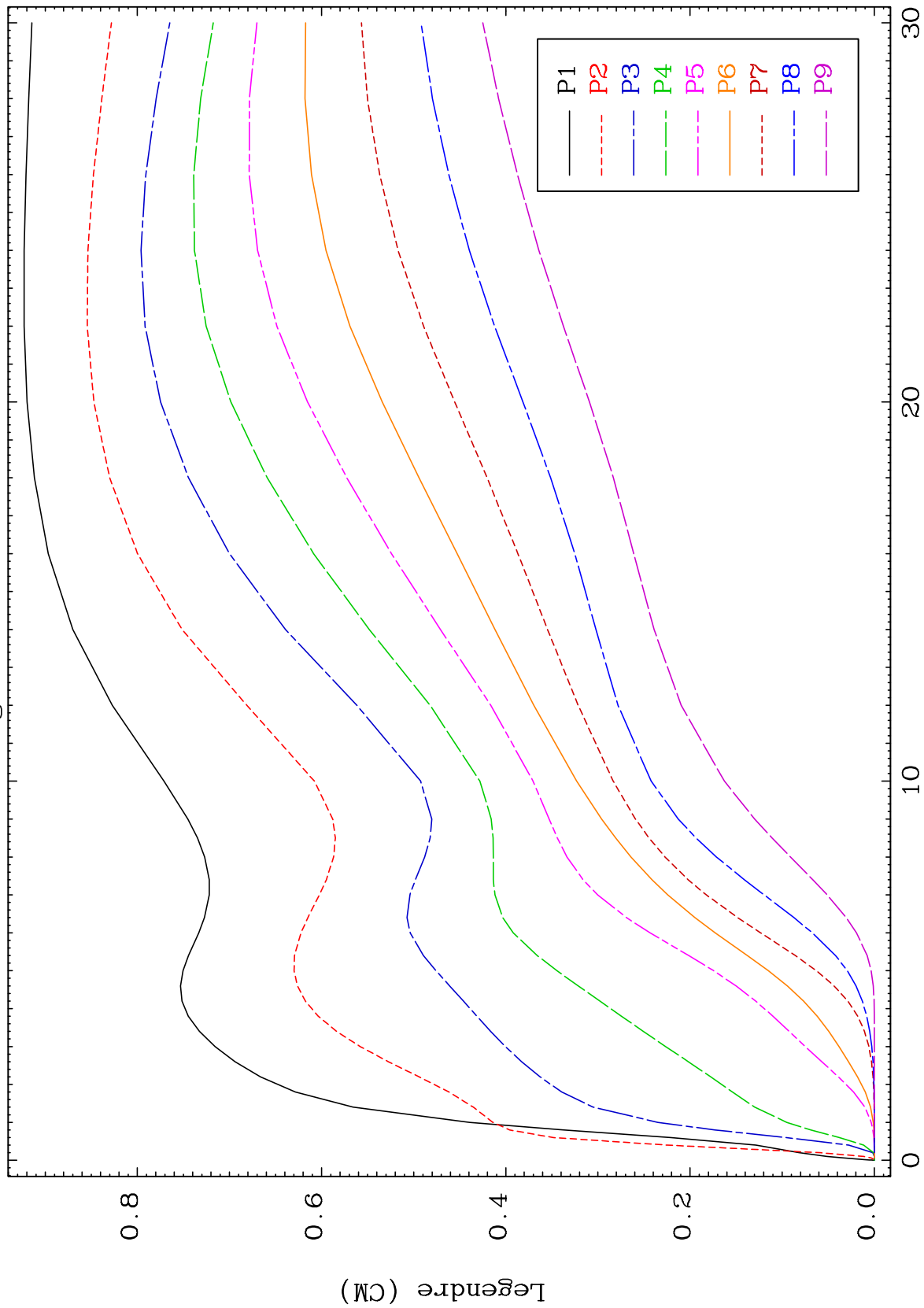
71-Lu-159



MAT 7077

Elastic Legendre Coefficients

71-Lu-159



18

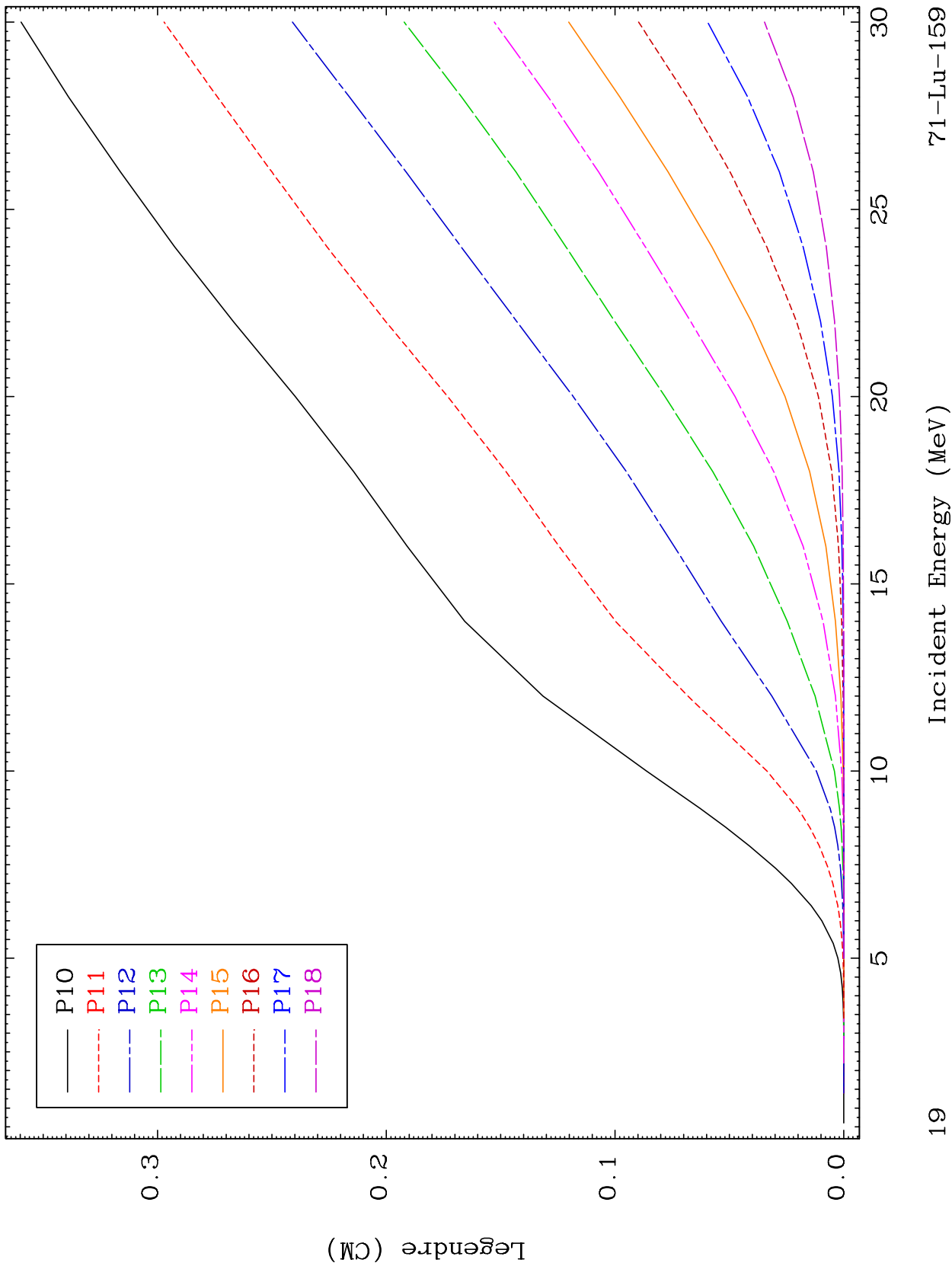
Incident Energy (MeV)

71-Lu-159

MAT 7077

Elastic Legendre Coefficients

⁷¹Lu-159

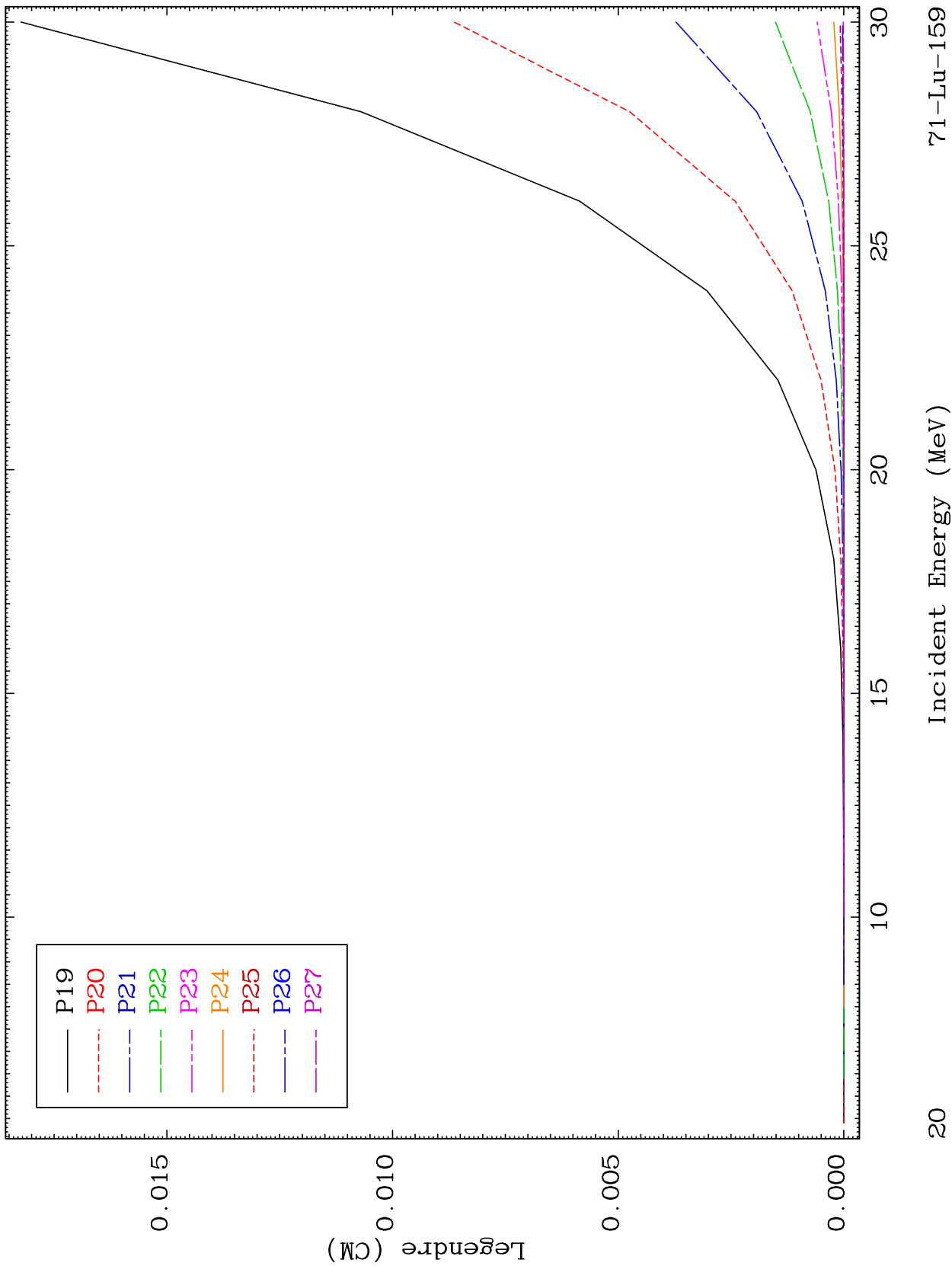


19

MAT 7077

Elastic Legendre Coefficients

71-Lu-159



71-Lu-159

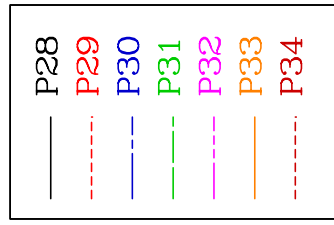
Incident Energy (MeV)

20

MAT 7077

Elastic
Legendre Coefficients

71-Lu-159



$\times 10^{-6}$

Legendre (CM)

2

1

0

15

20

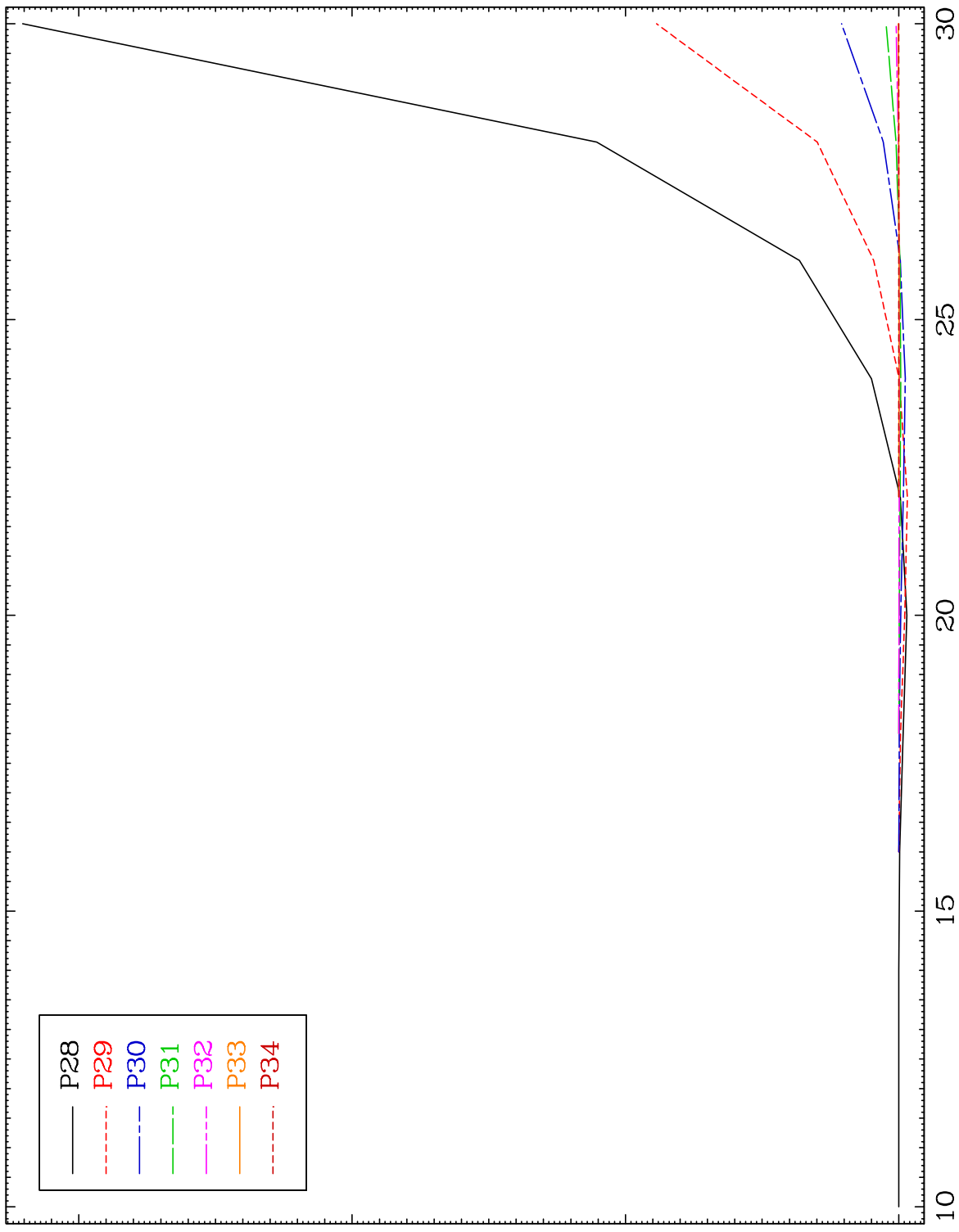
25

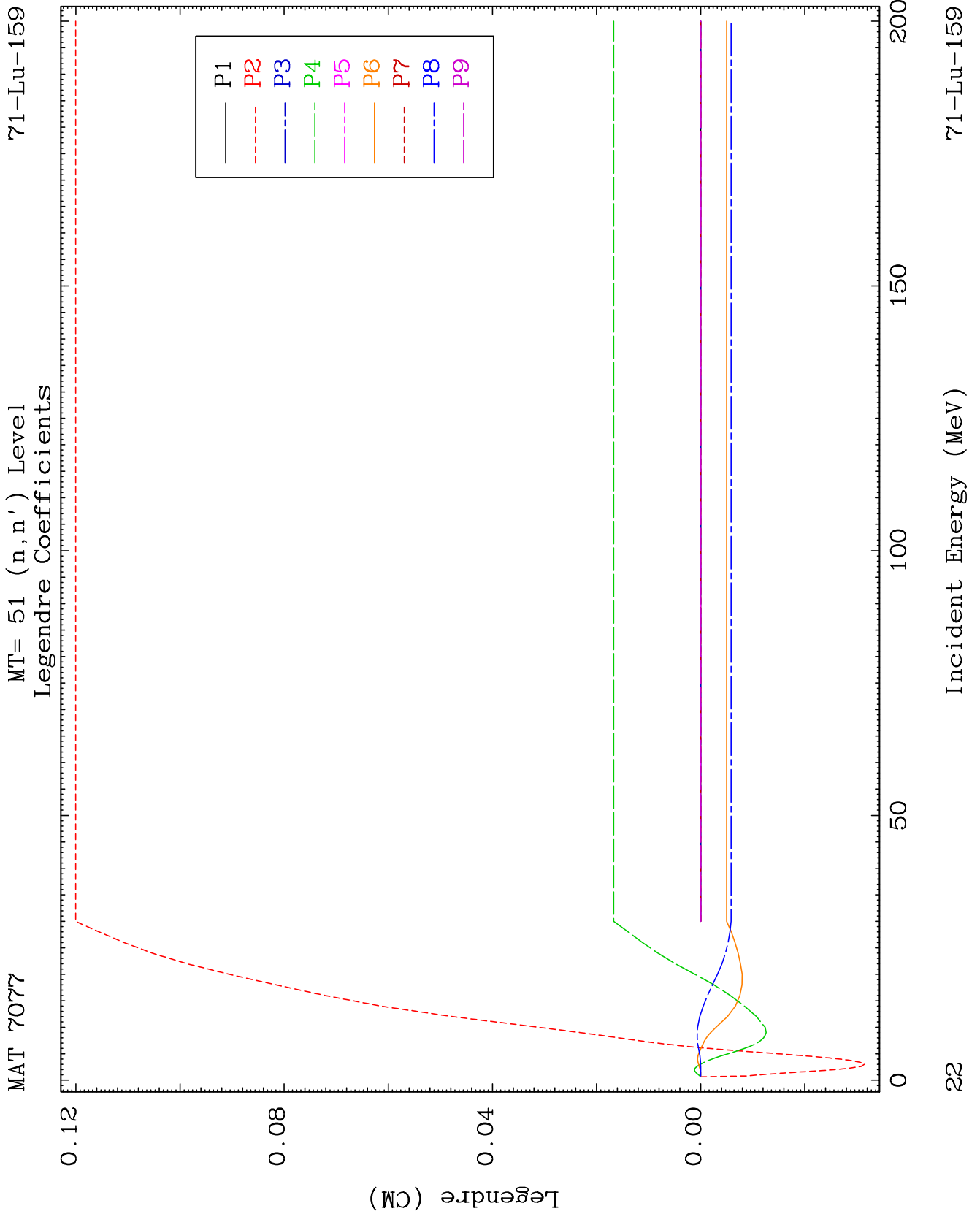
30

21

Incident Energy (MeV)

71-Lu-159

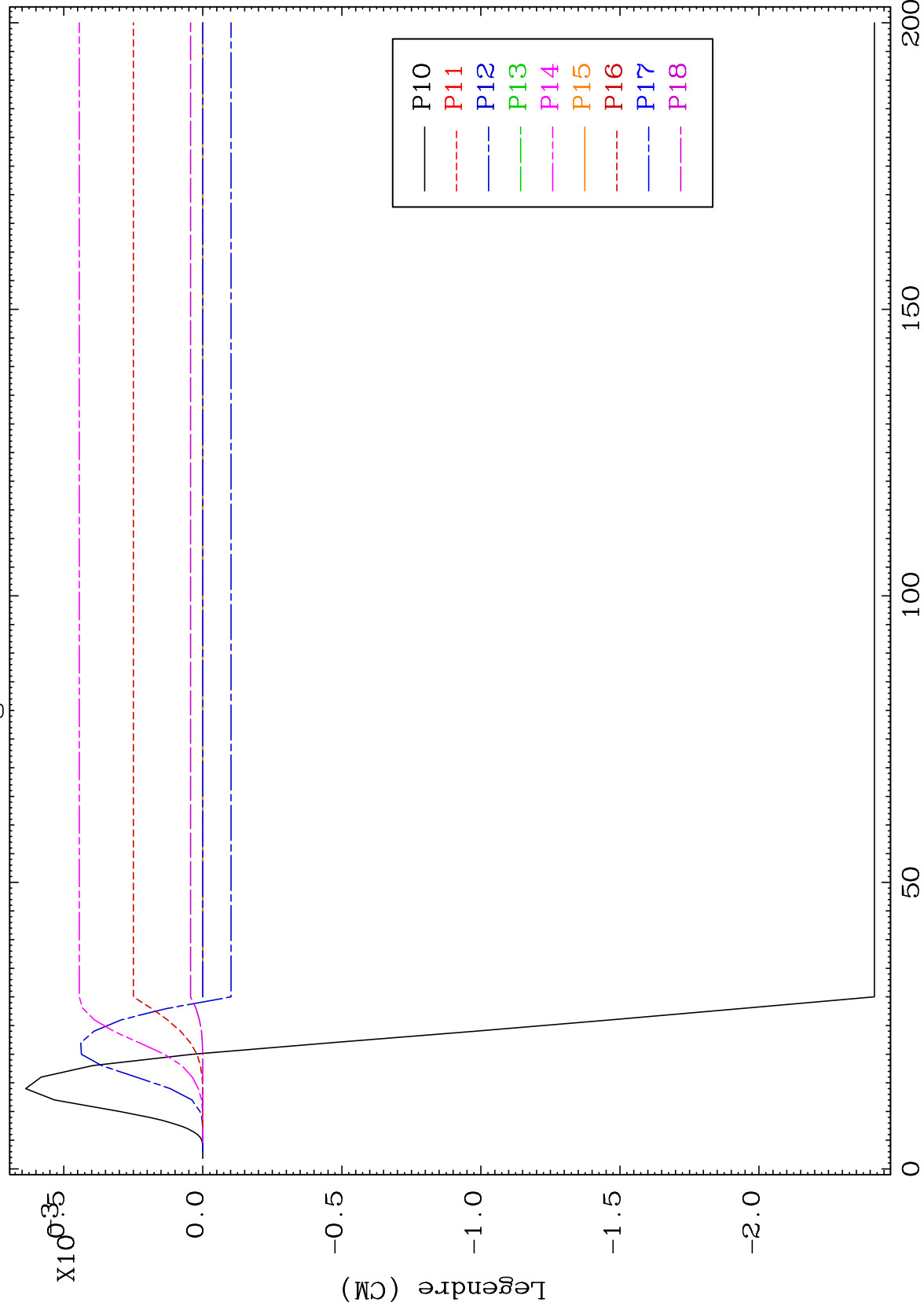




MAT 7077

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

71-Lu-159



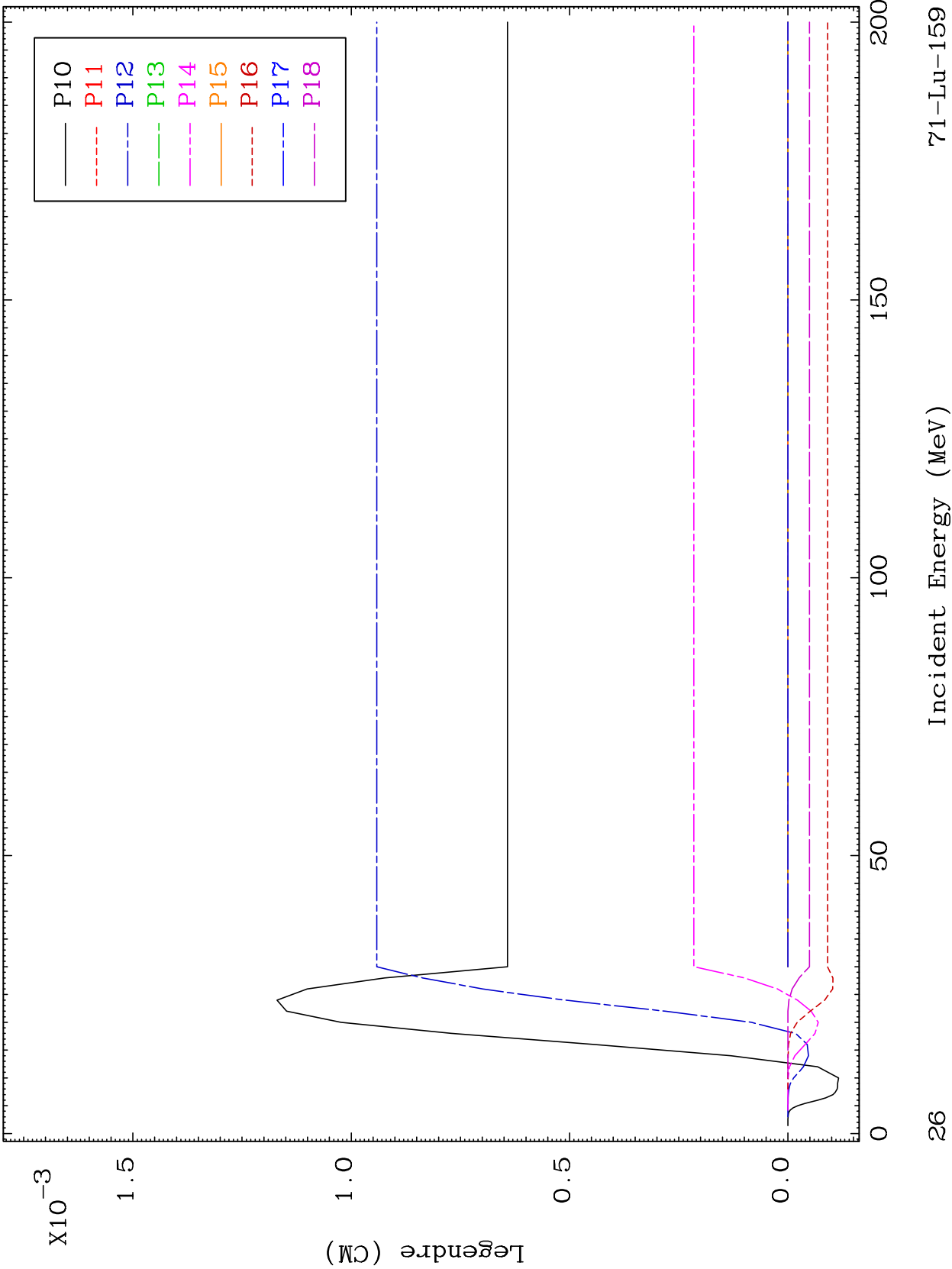
23

71-Lu-159

MAT 70777

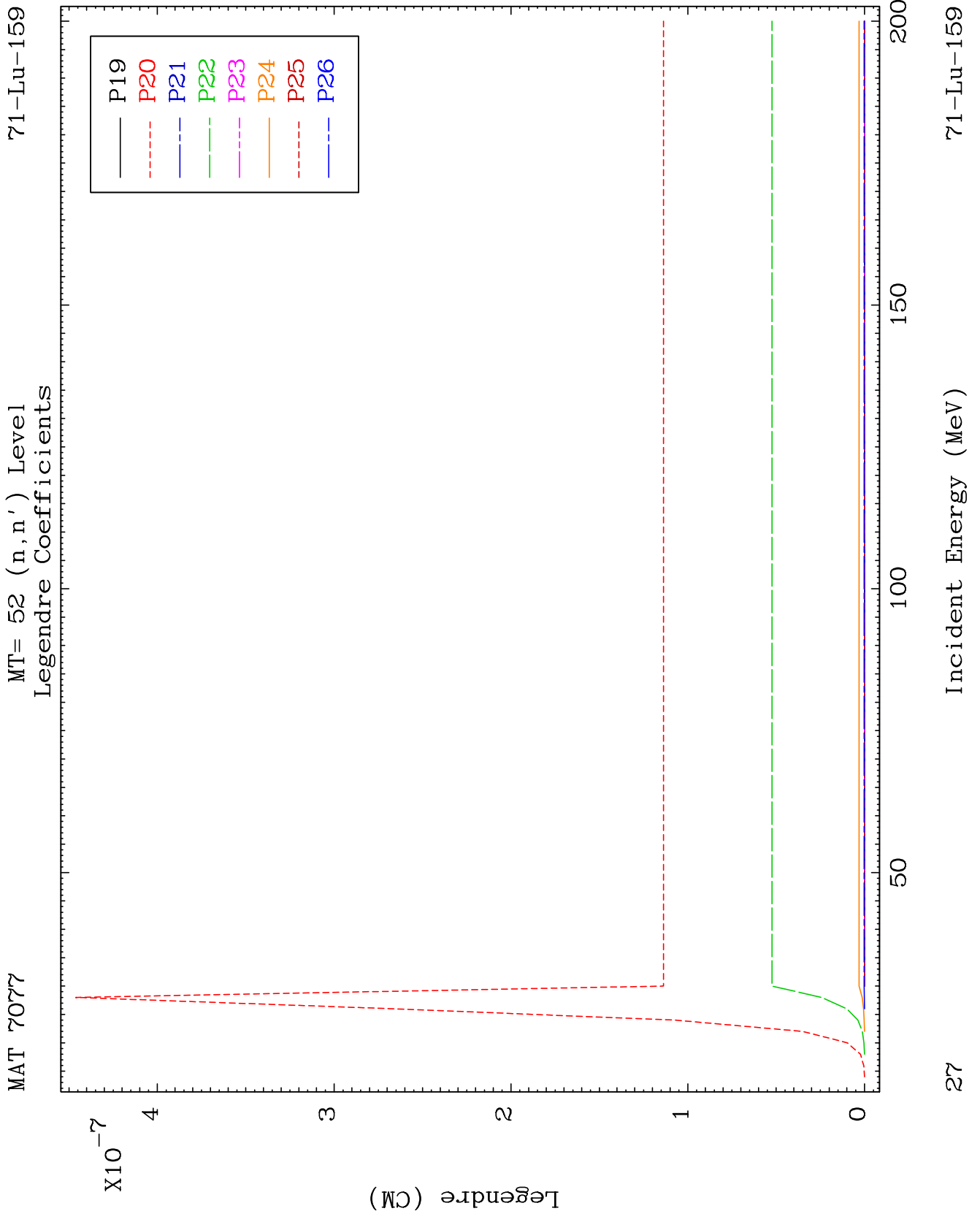
MT= 52 (n,n') Level
Legendre Coefficients

71-Lu-159



26

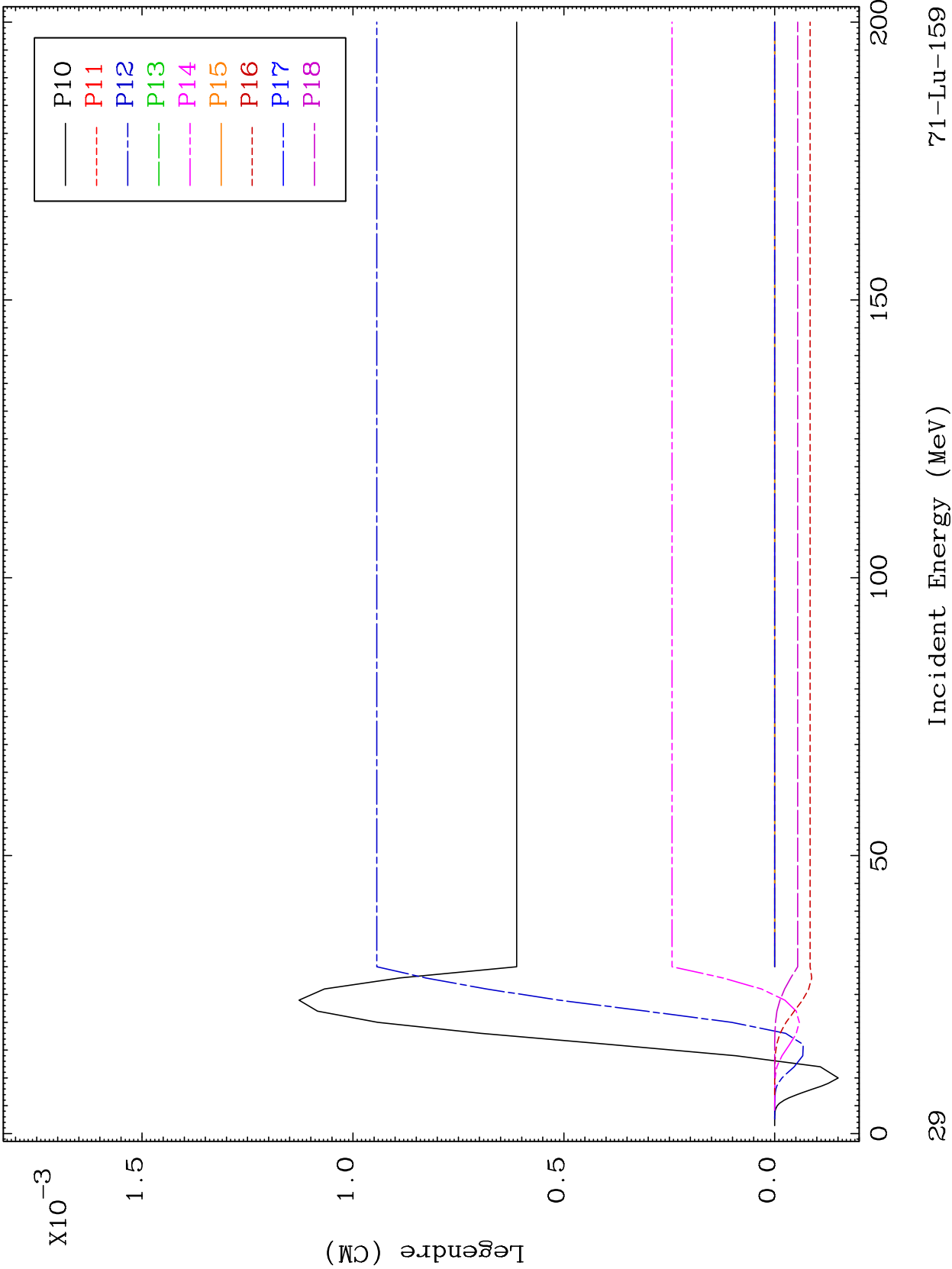
71-Lu-159



MAT 70777

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

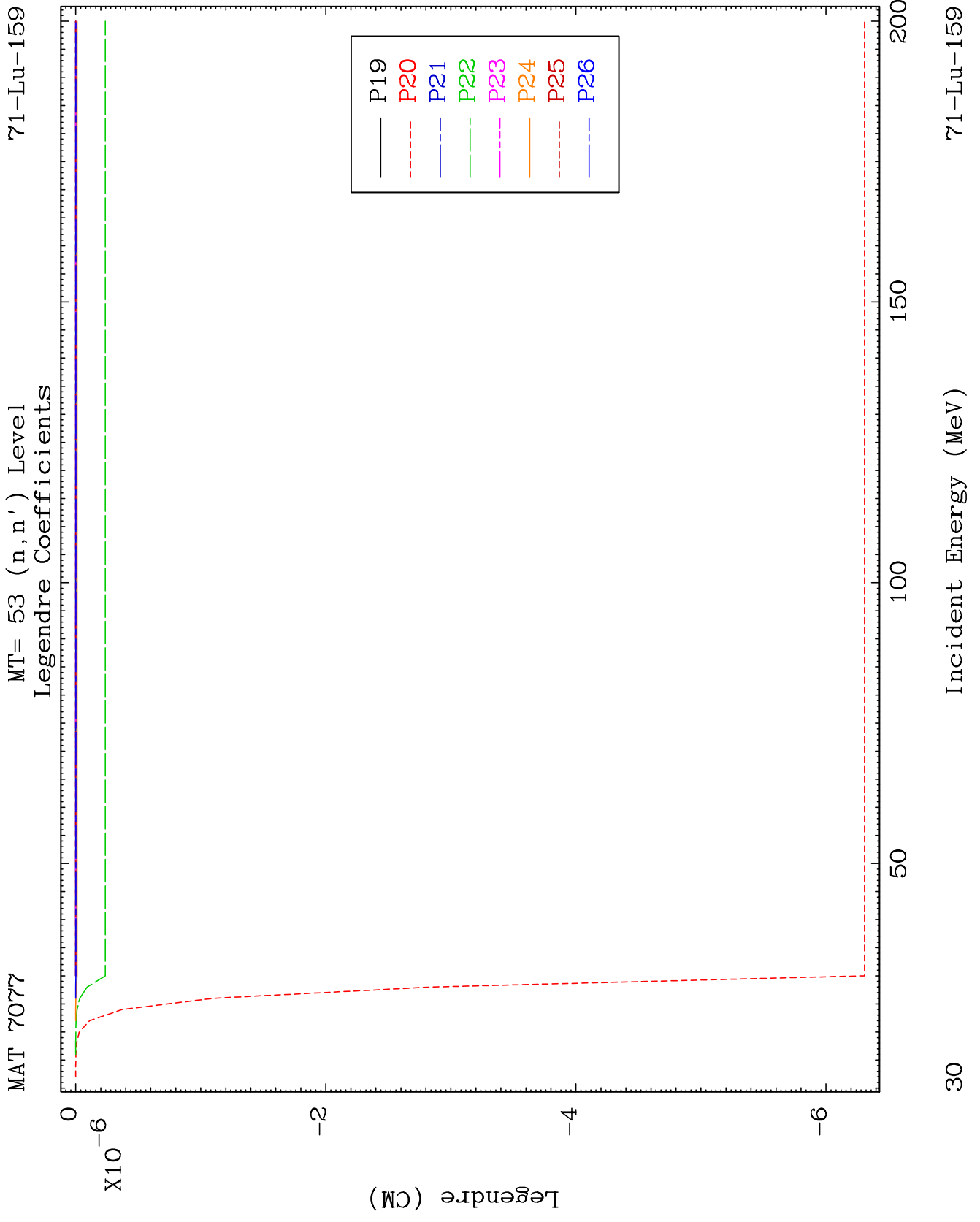
71-Lu-159



71-Lu-159

Incident Energy (MeV)

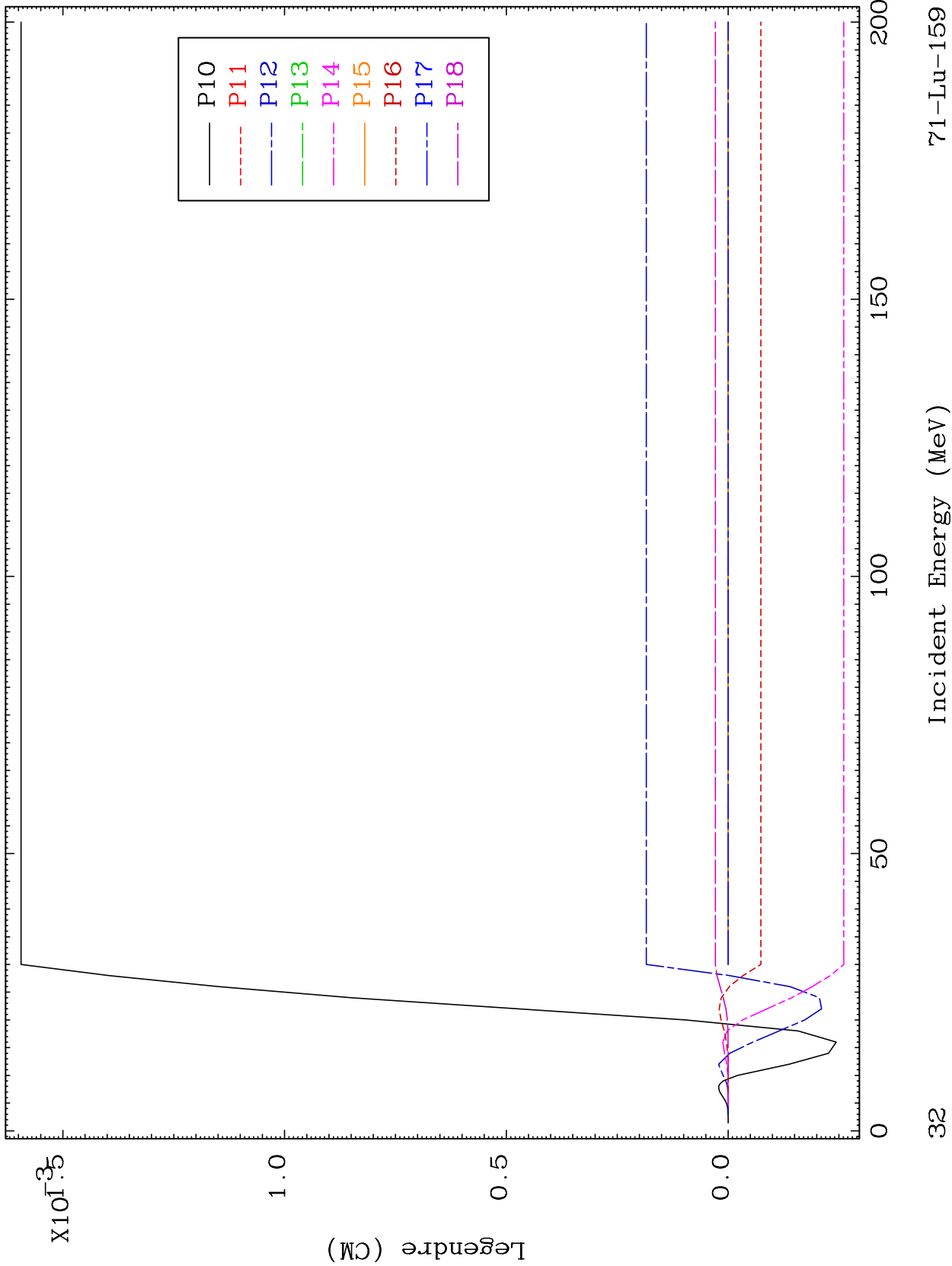
29



MAT 7077

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

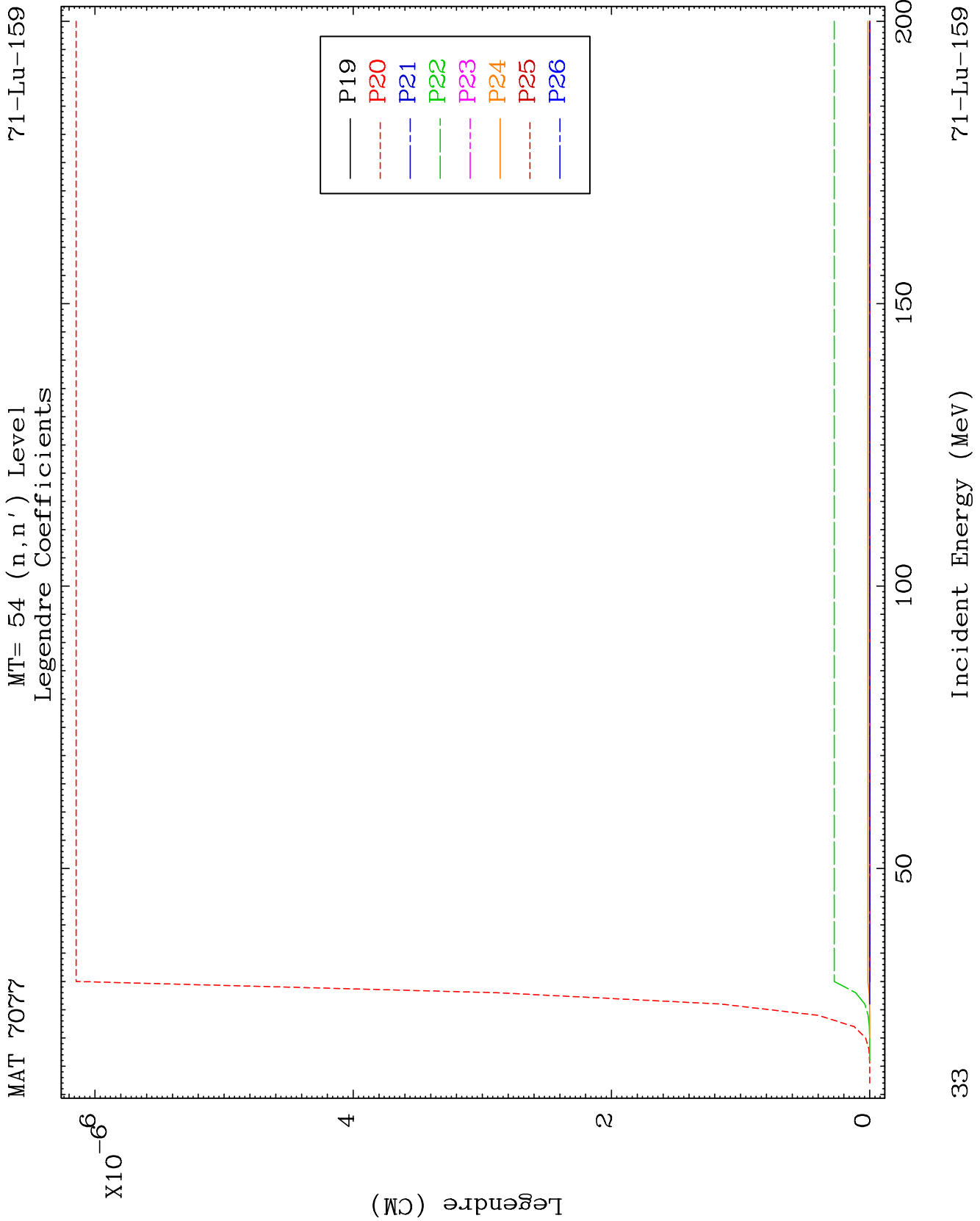
71-Lu-159



71-Lu-159

Incident Energy (MeV)

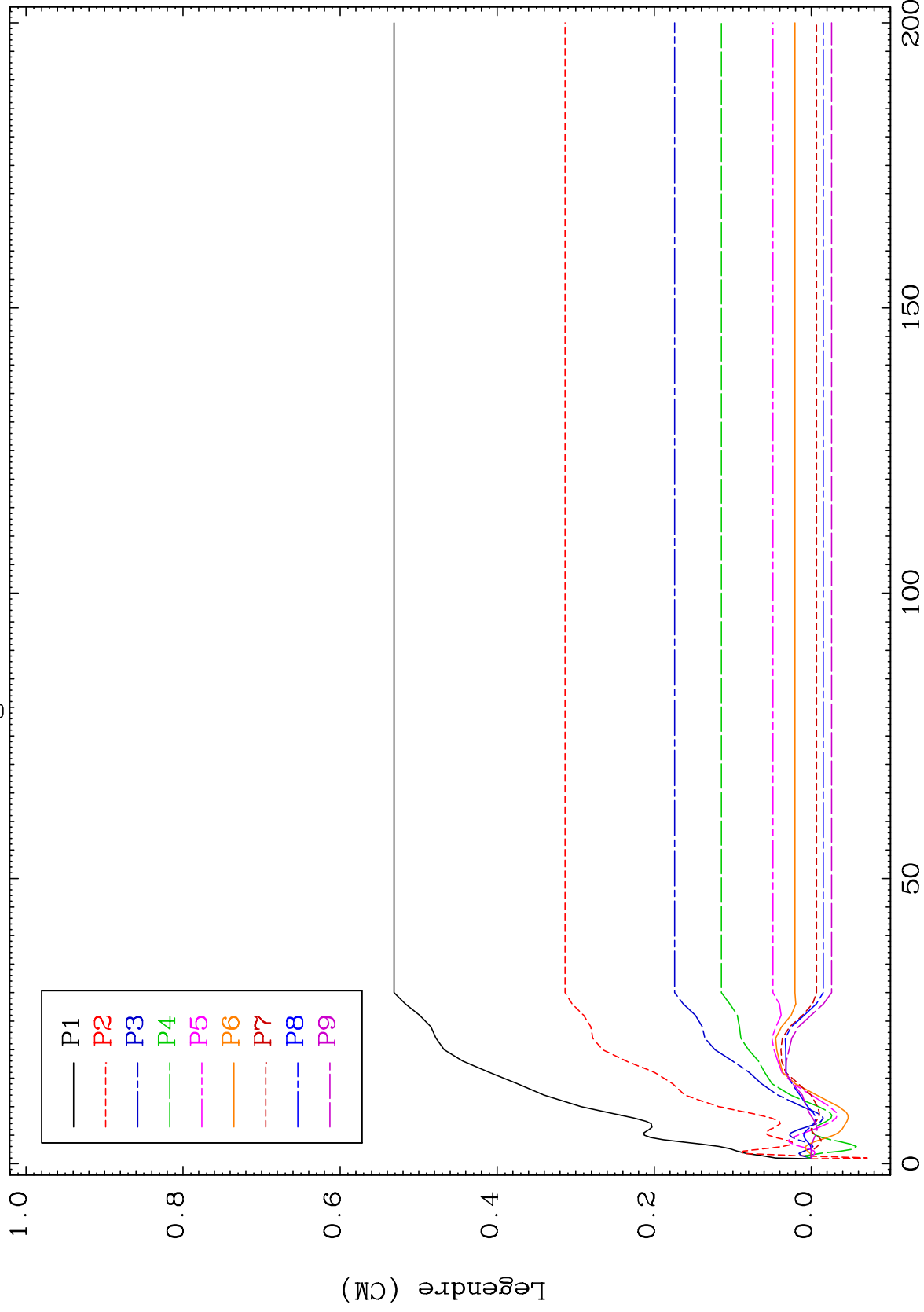
32



MAT 70777

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

71-Lu-159



34

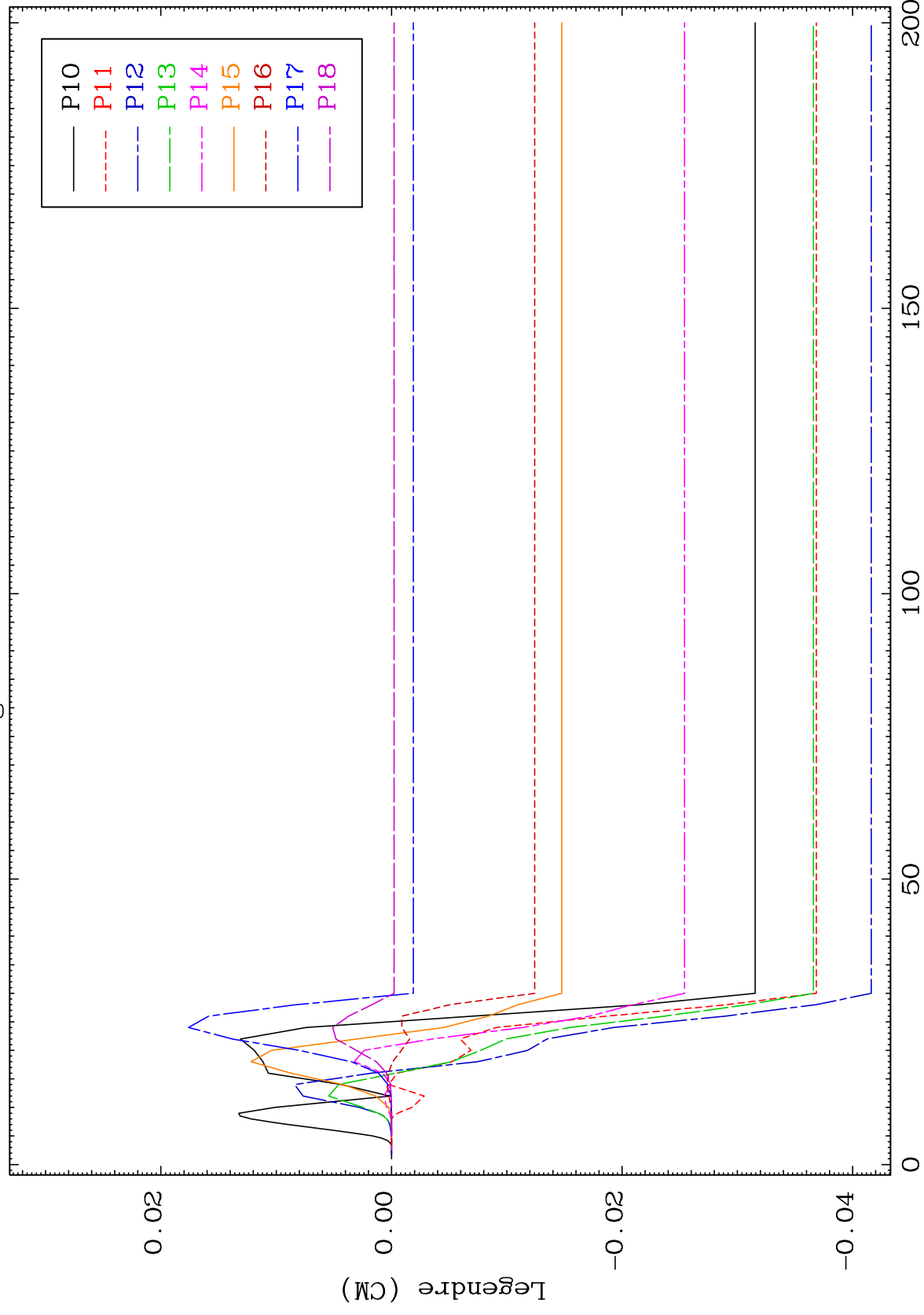
Incident Energy (MeV)

71-Lu-159

MAT 7077

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

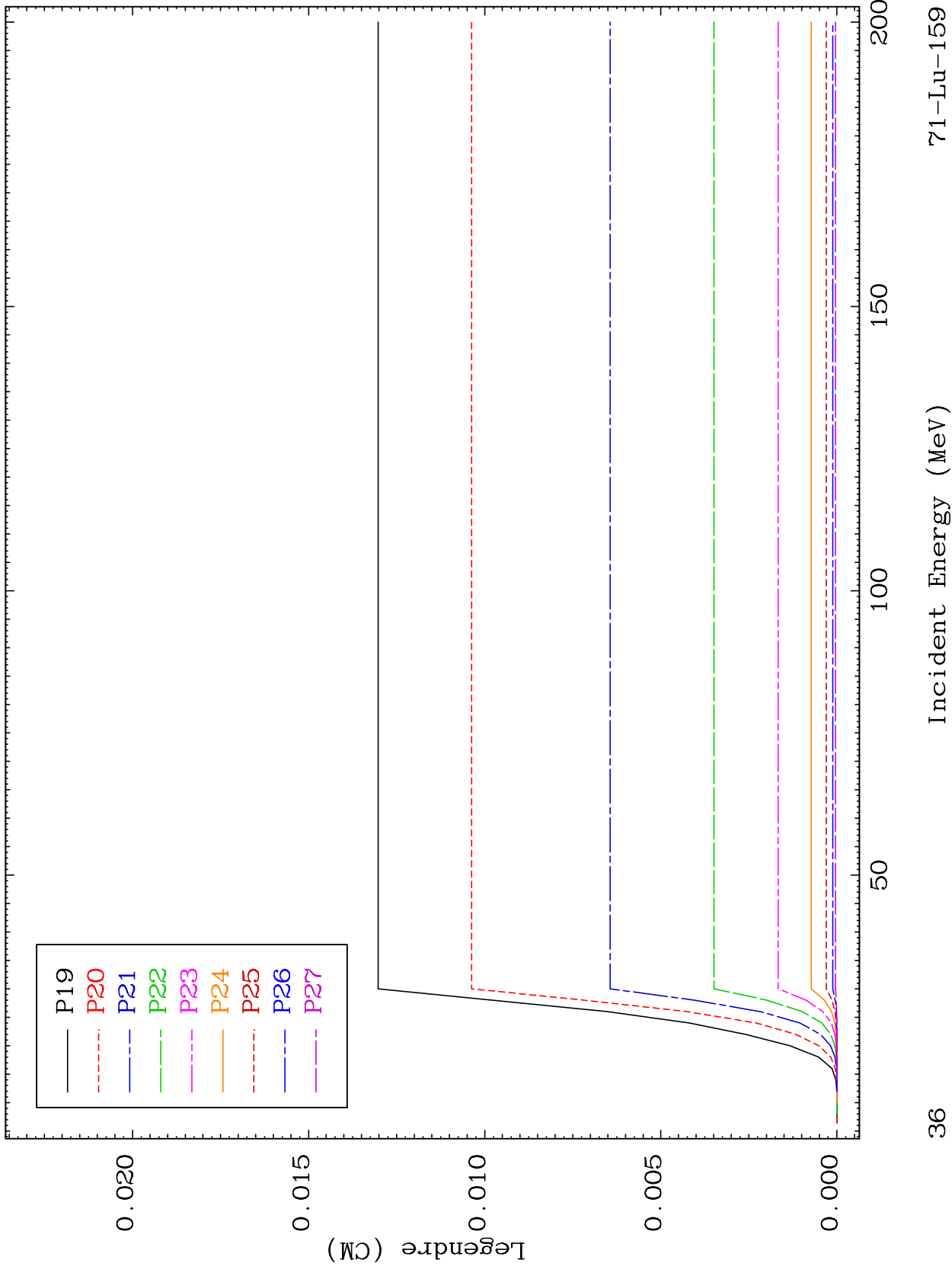
71-Lu-159



71-Lu-159

Incident Energy (MeV)

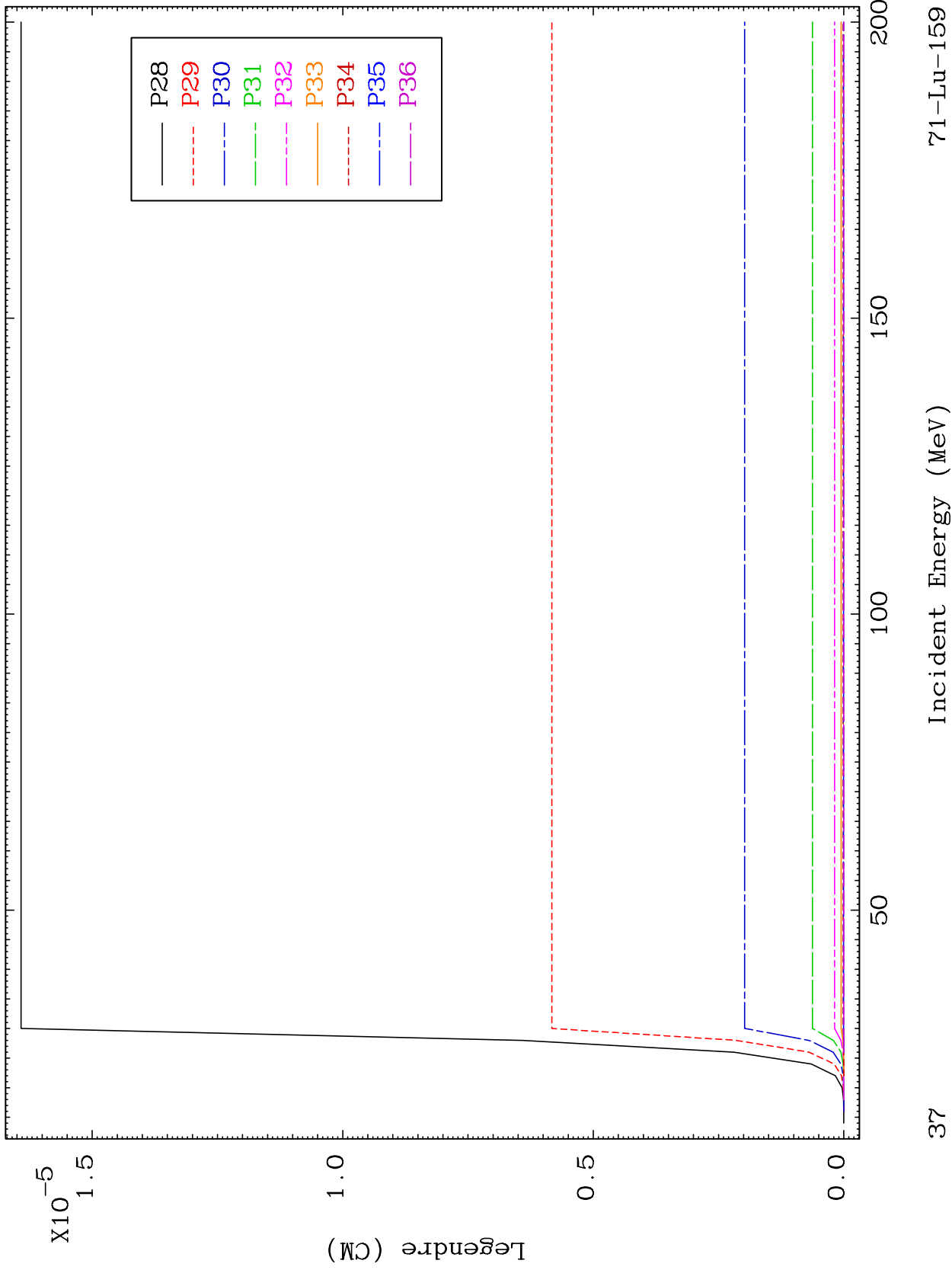
35



MAT 7077

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

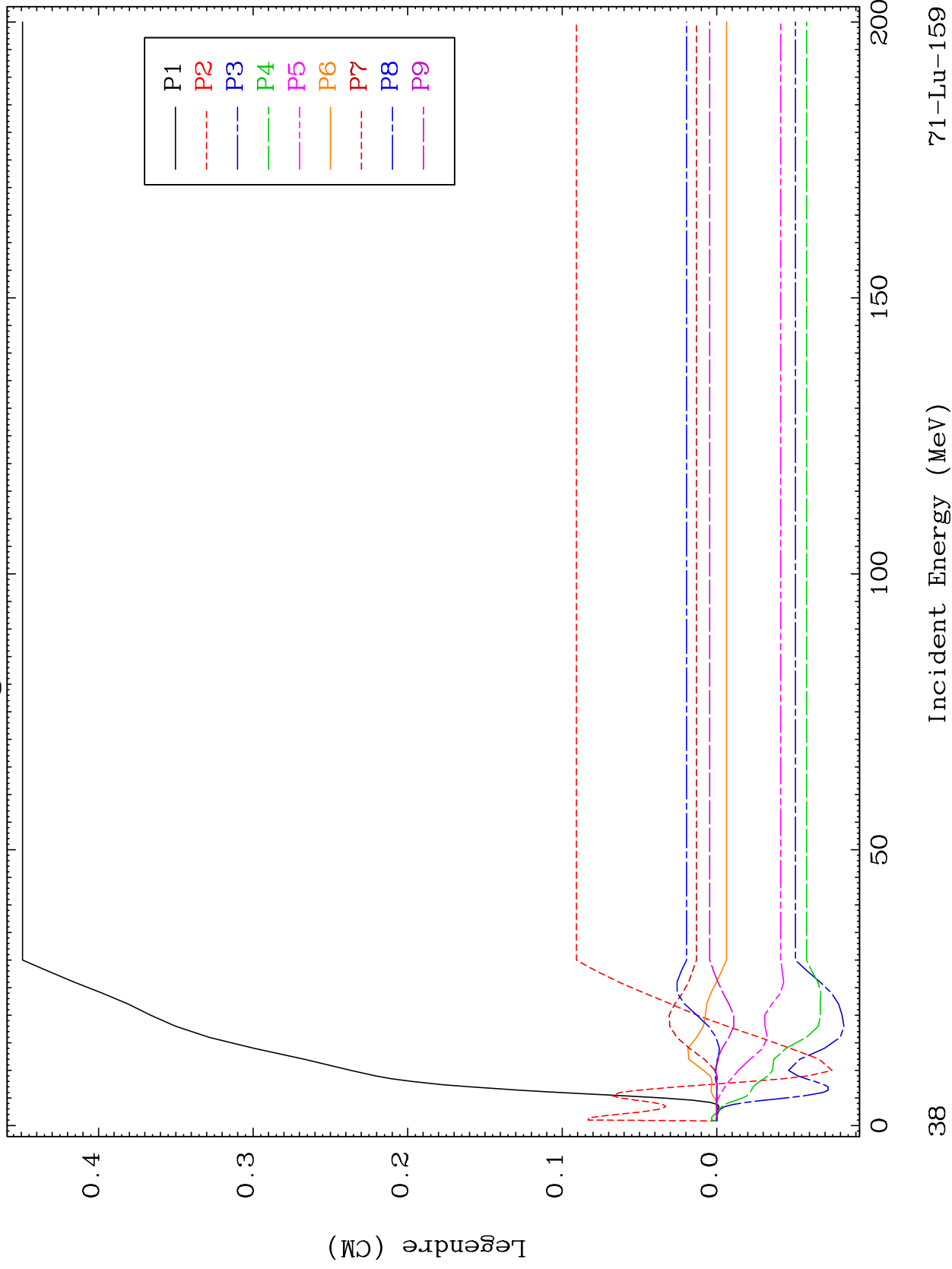
71-Lu-159



MAT 7077

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

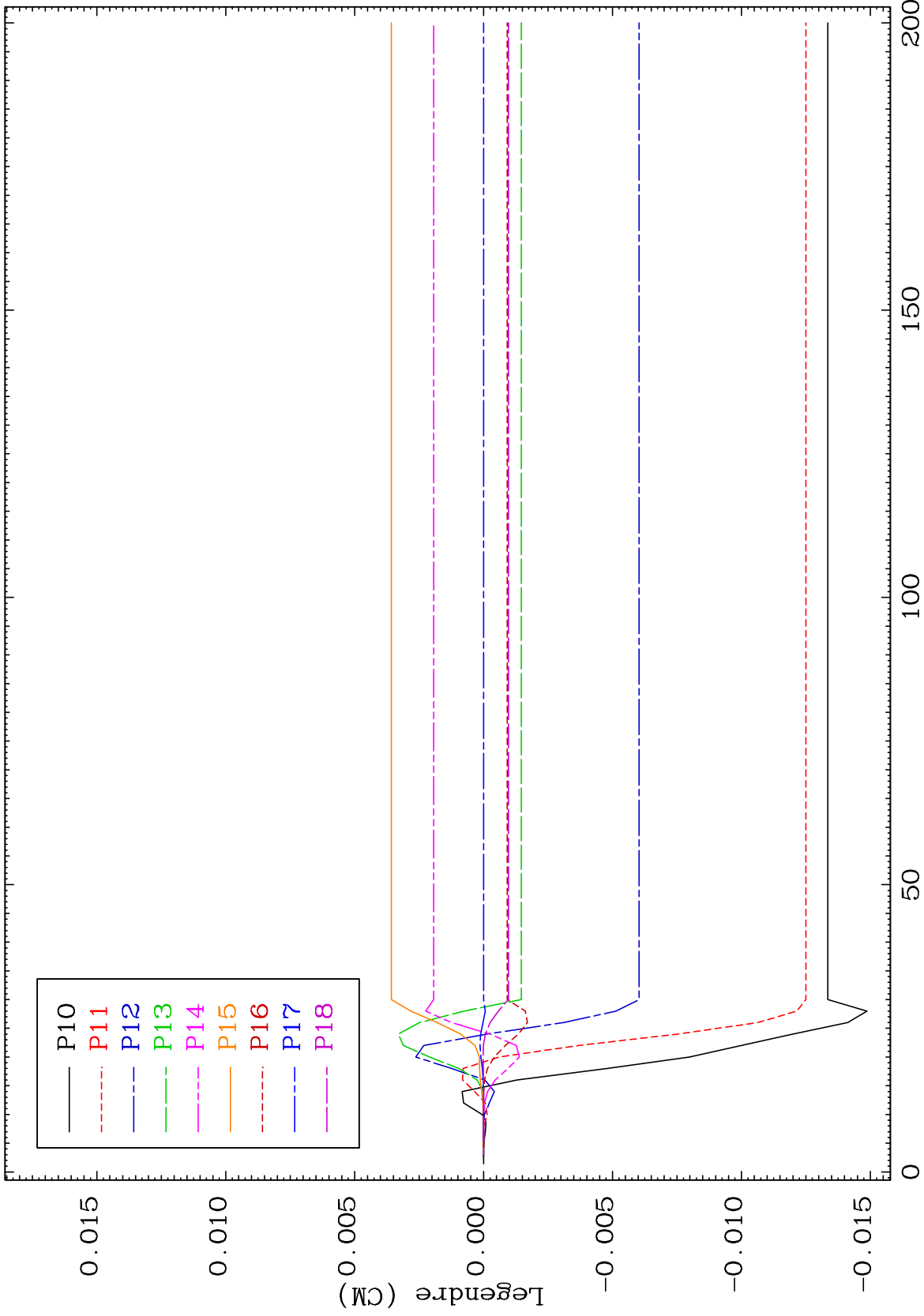
71-Lu-159



71-Lu-159

Incident Energy (MeV)

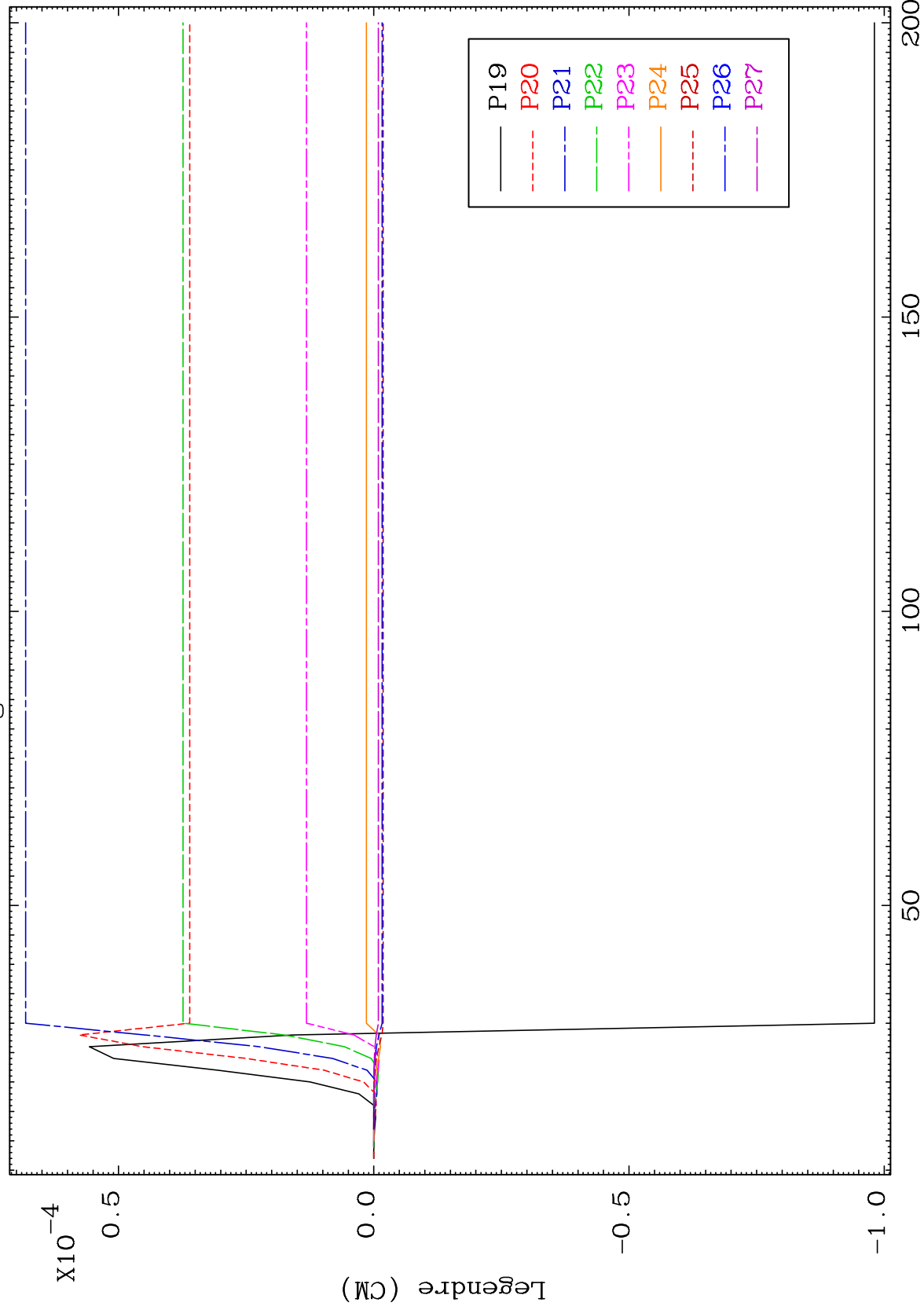
38



MAT 70777

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

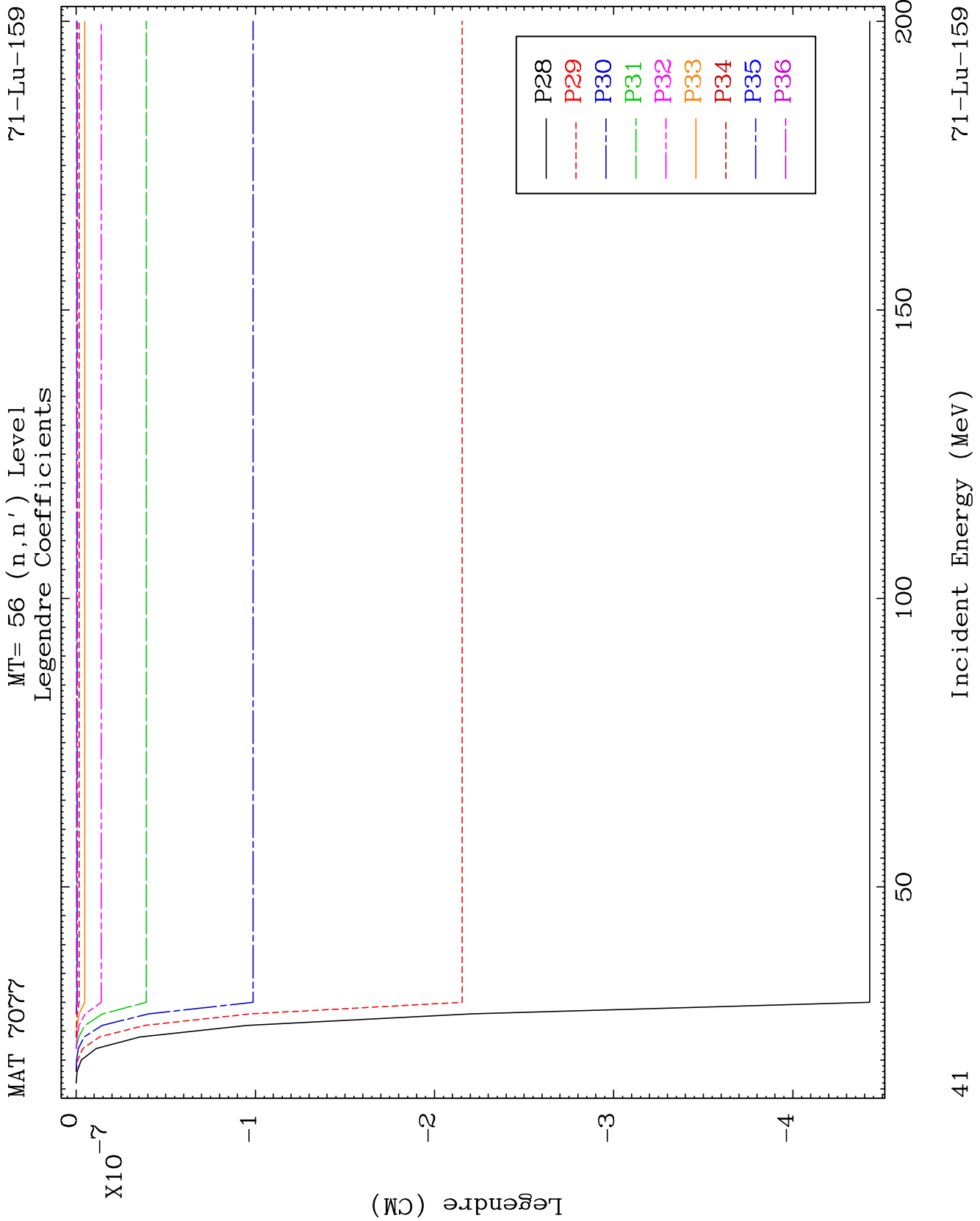
71-Lu-159

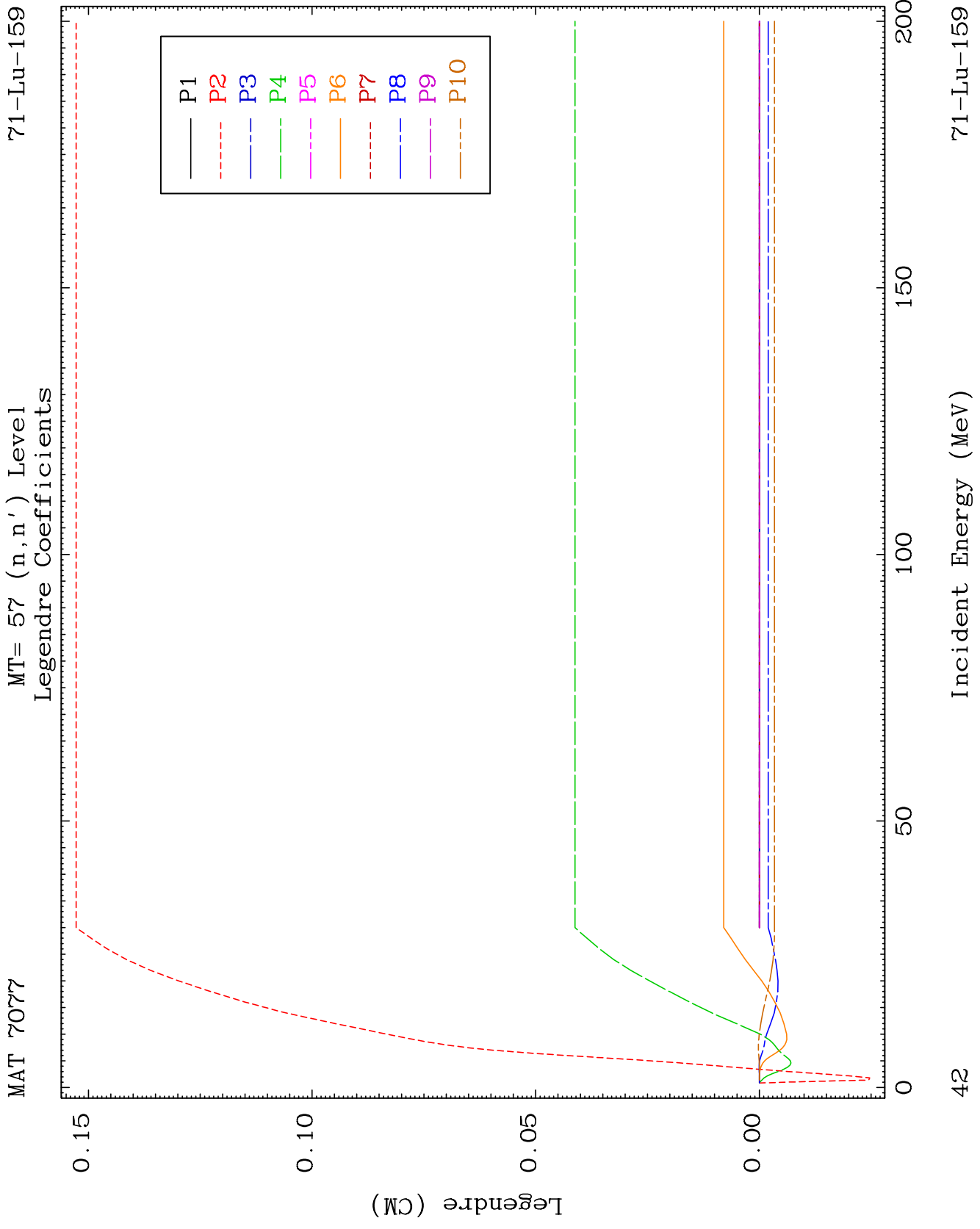


40

Incident Energy (MeV)

71-Lu-159

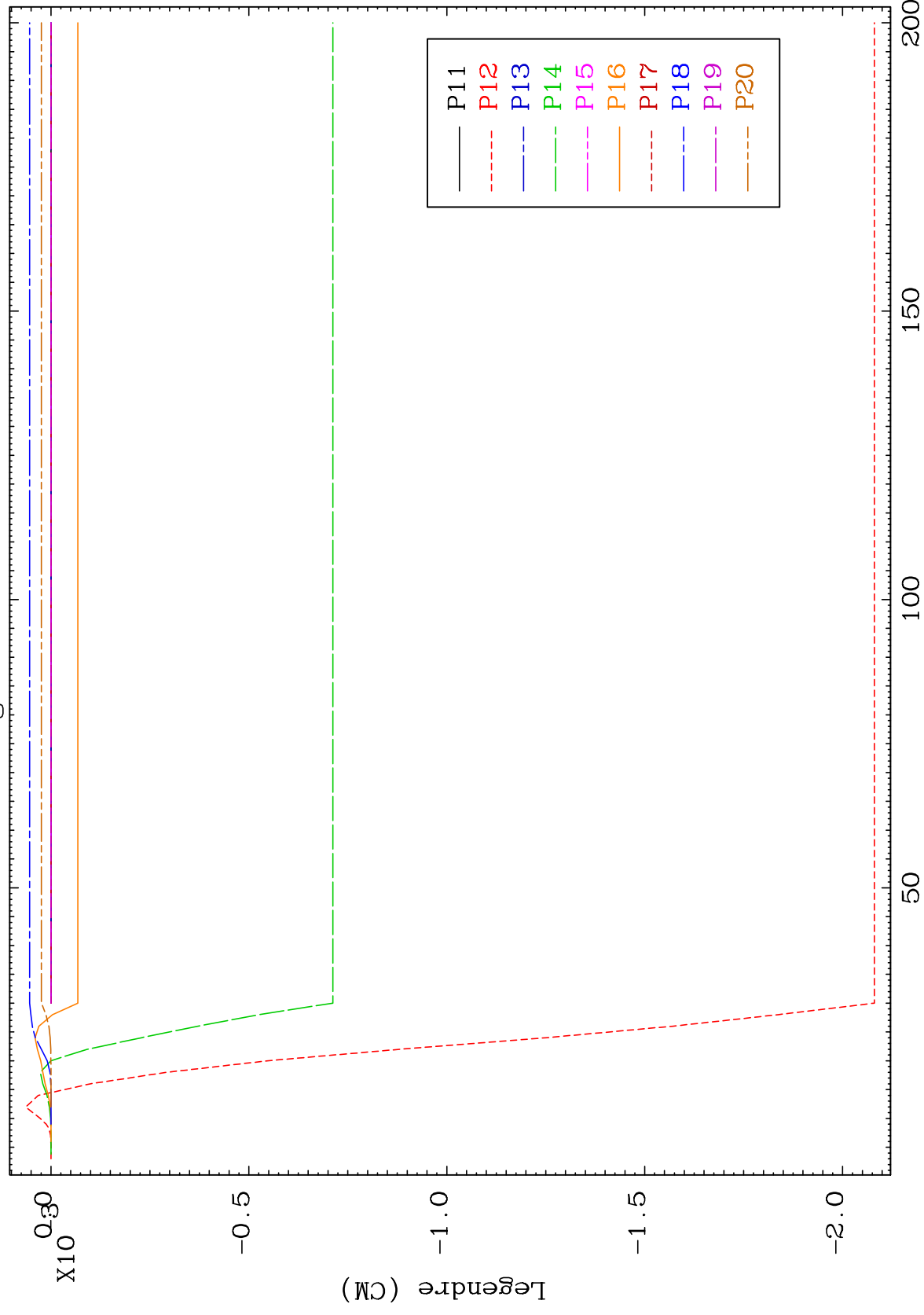


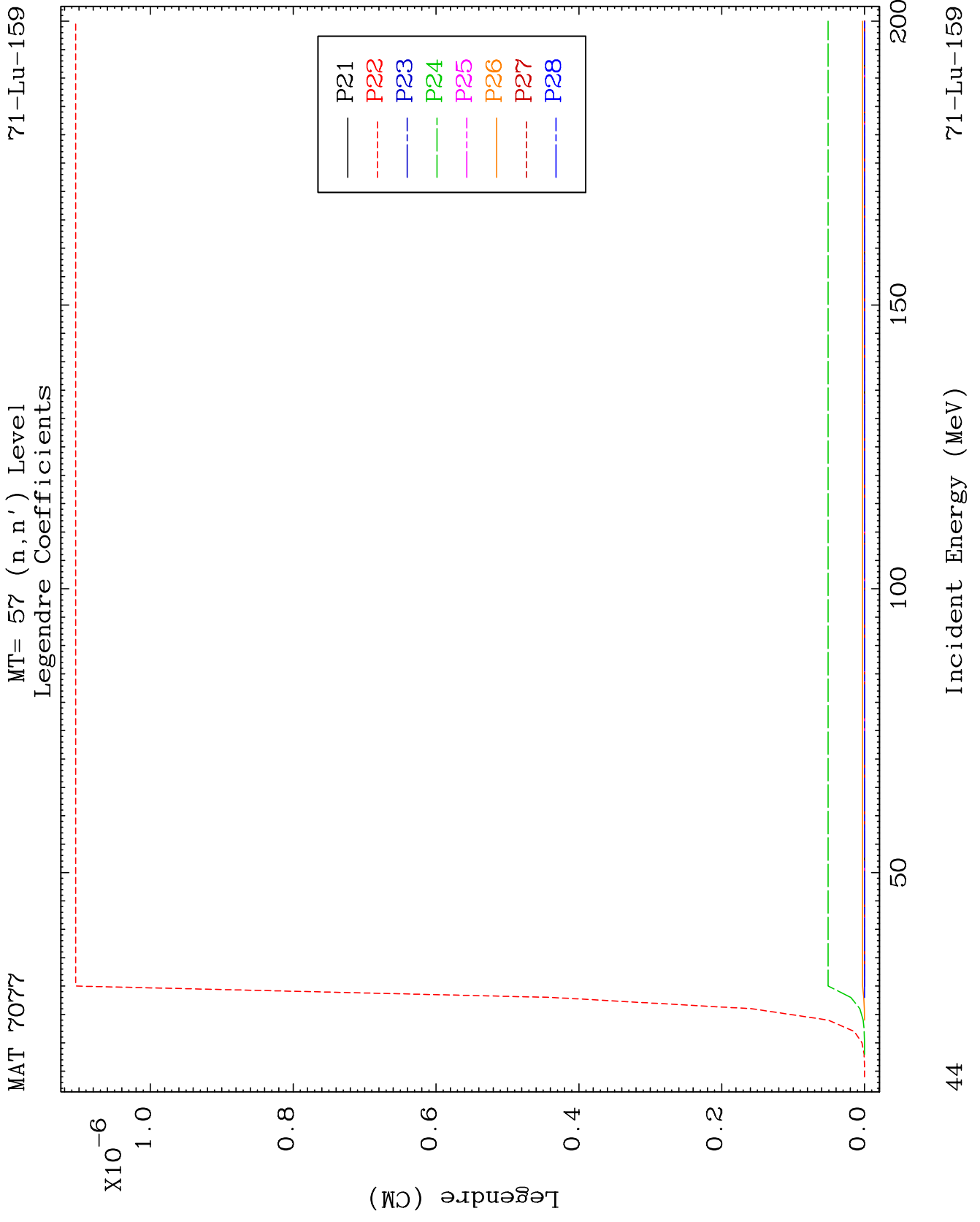


MAT 70777

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

71-Lu-159

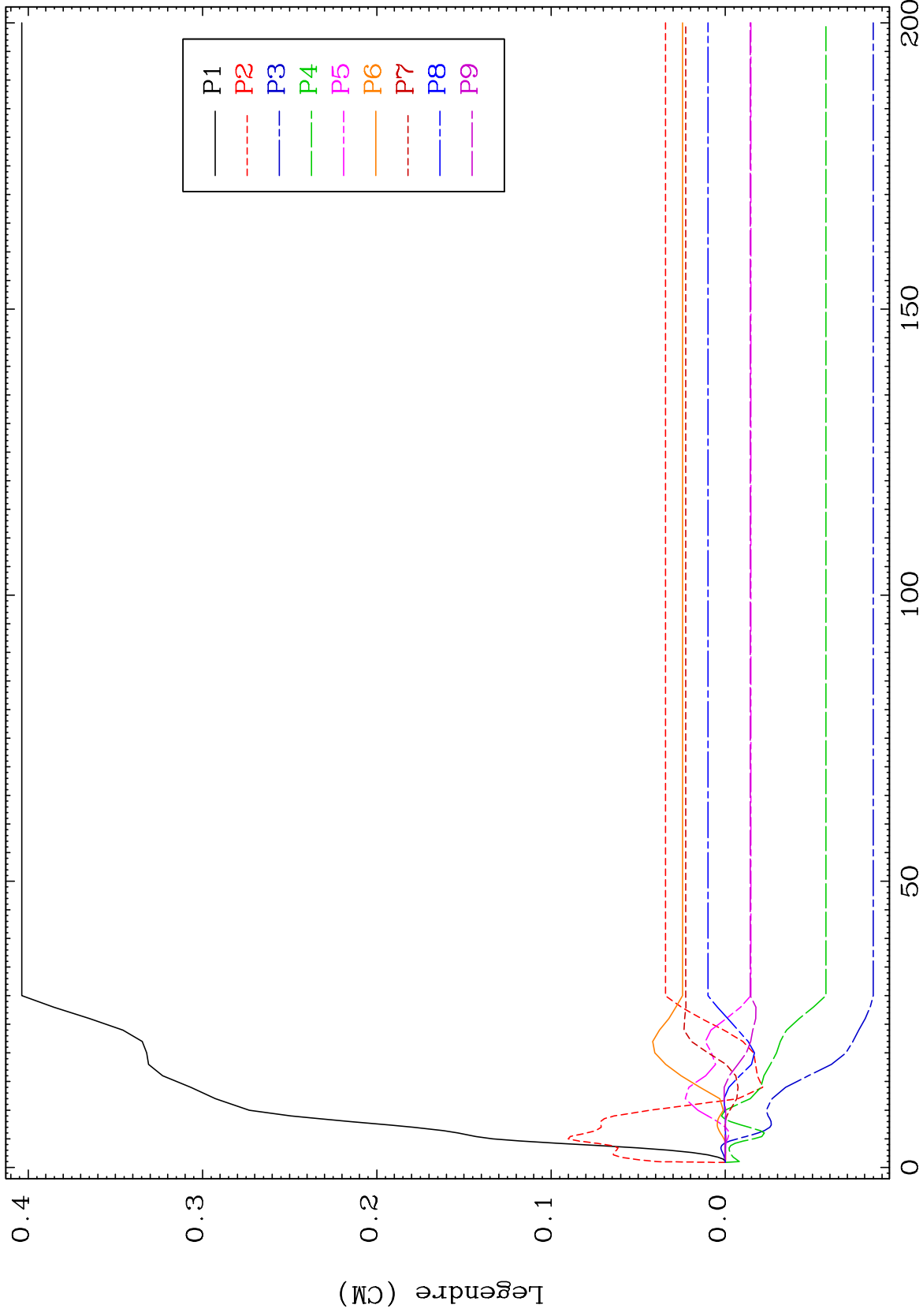




MAT 70777

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

71-Lu-159



71-Lu-159

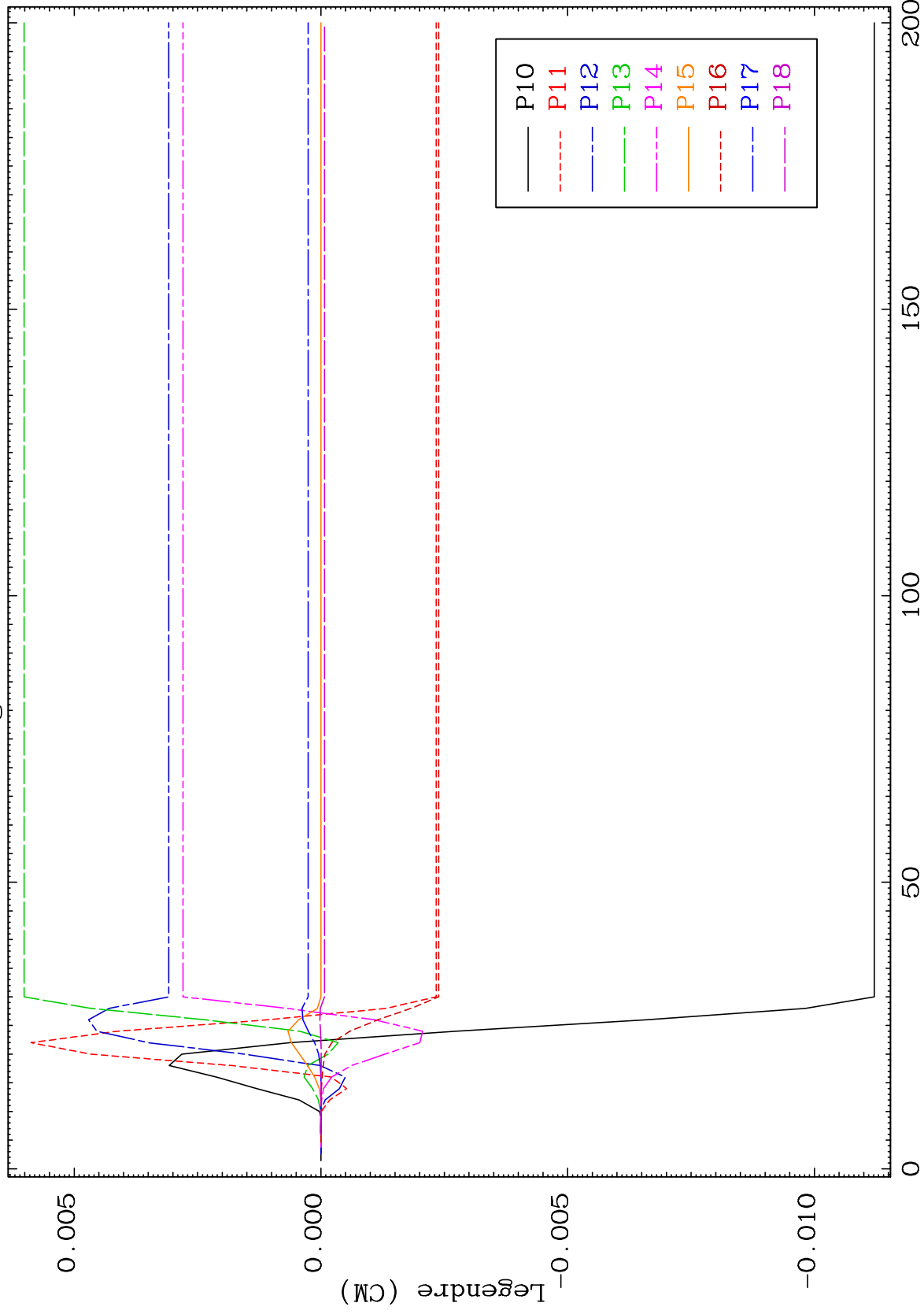
Incident Energy (MeV)

45

MAT 70777

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

71-Lu-159



46

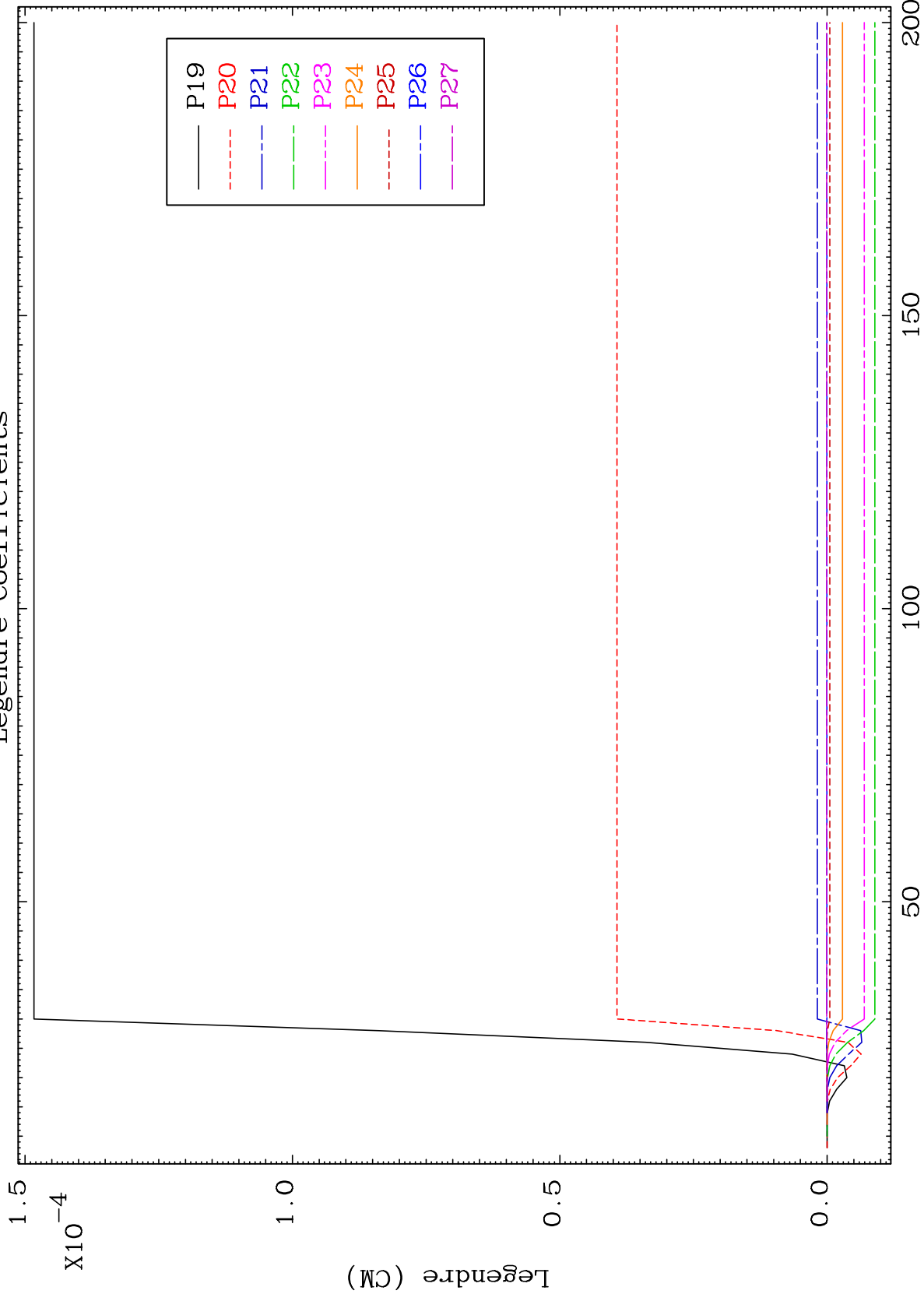
Incident Energy (MeV)

71-Lu-159

MAT 70777

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

71-Lu-159



47

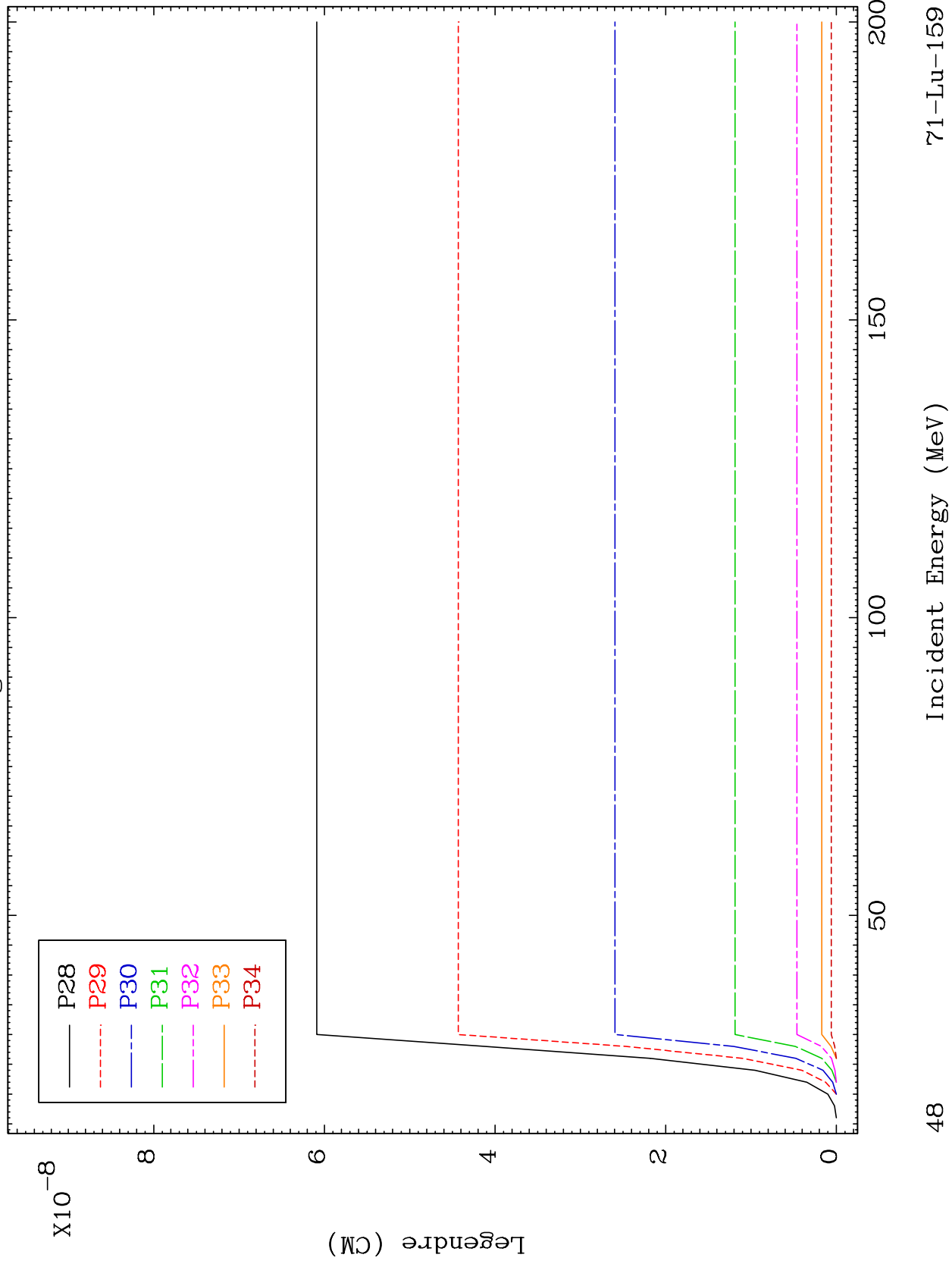
Incident Energy (MeV)

71-Lu-159

MAT 7077

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

71-Lu-159



48

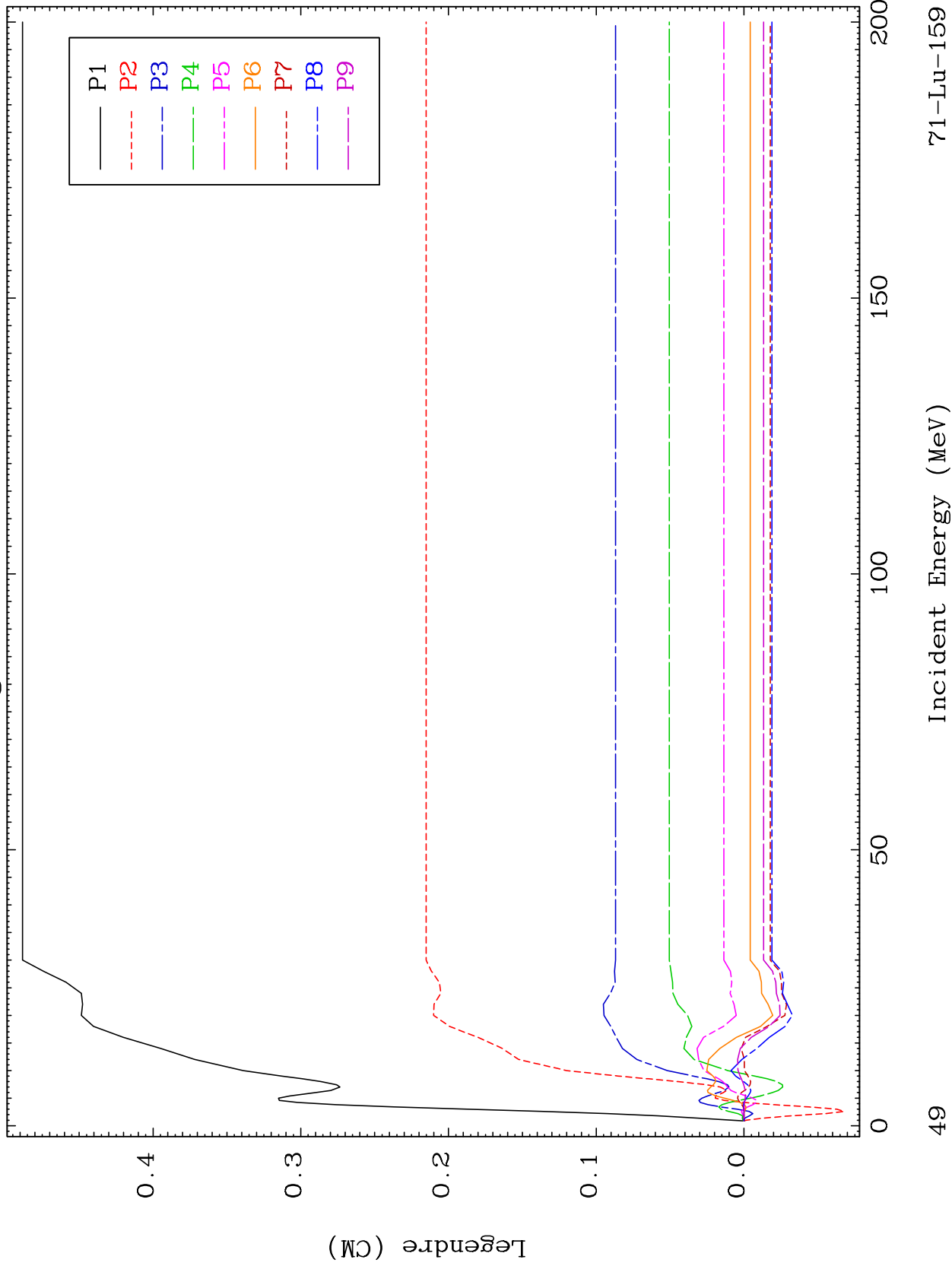
Incident Energy (MeV)

71-Lu-159

MAT 7077

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

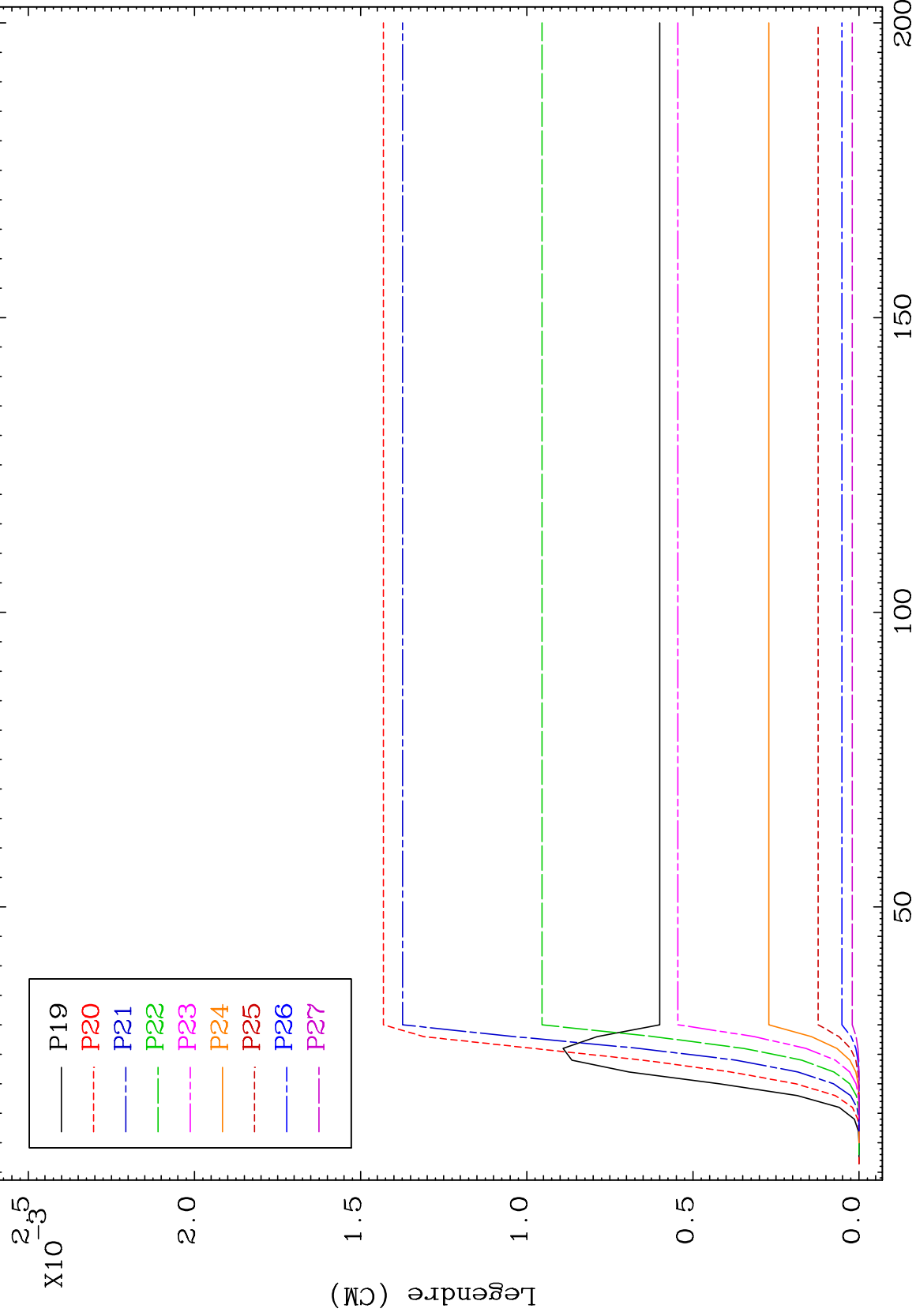
71-Lu-159



71-Lu-159

Incident Energy (MeV)

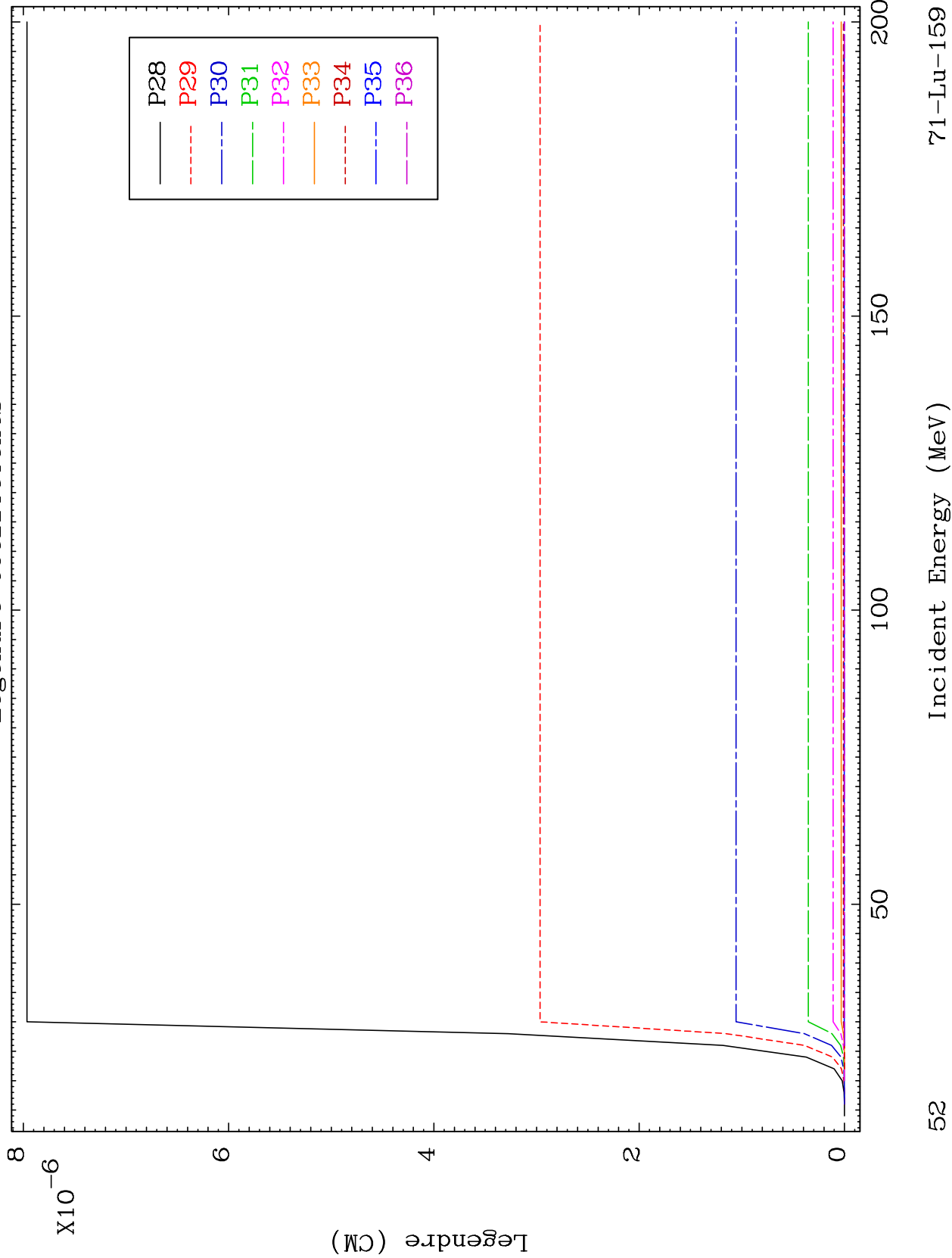
49



MAT 7077

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

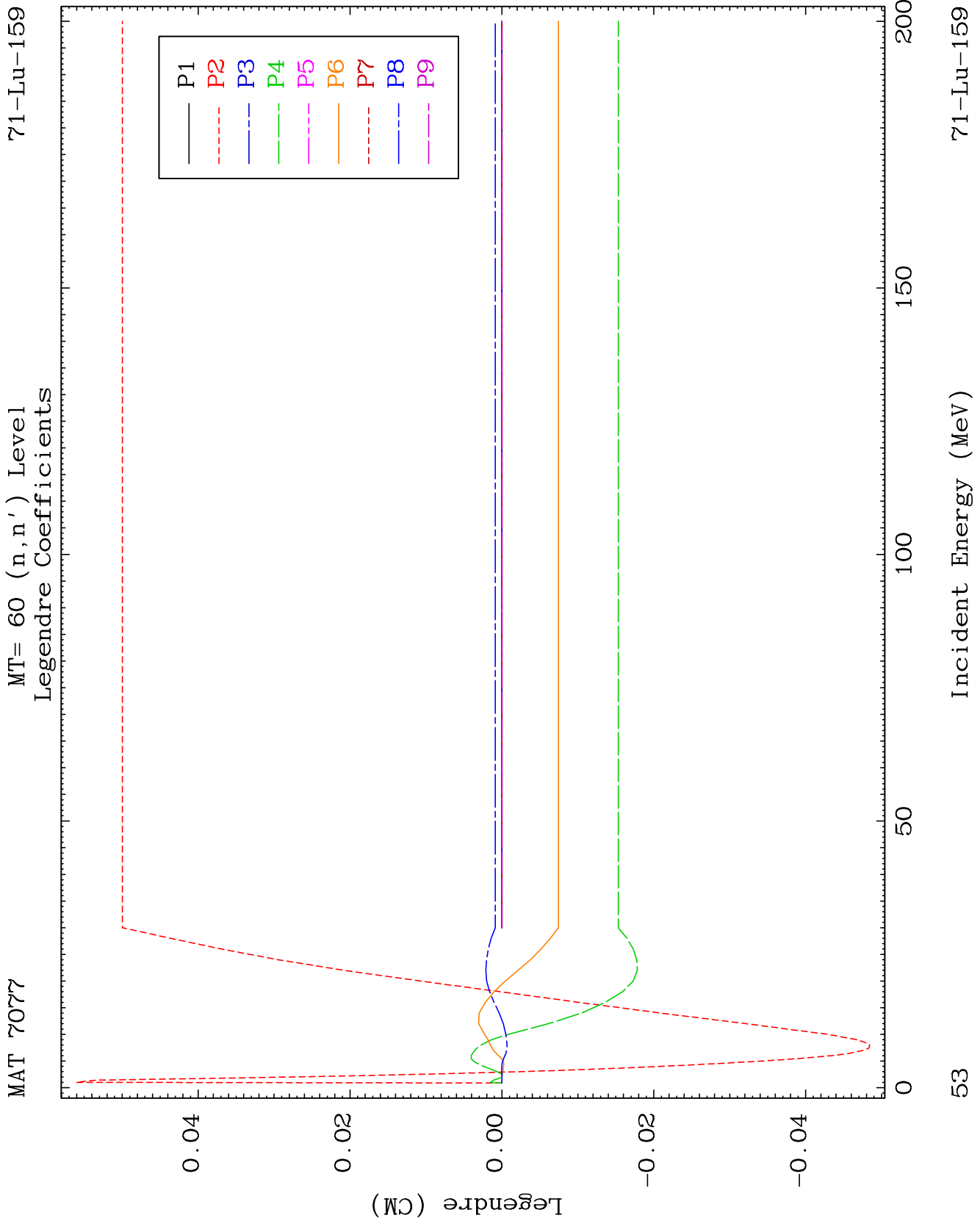
71-Lu-159



52

Incident Energy (MeV)

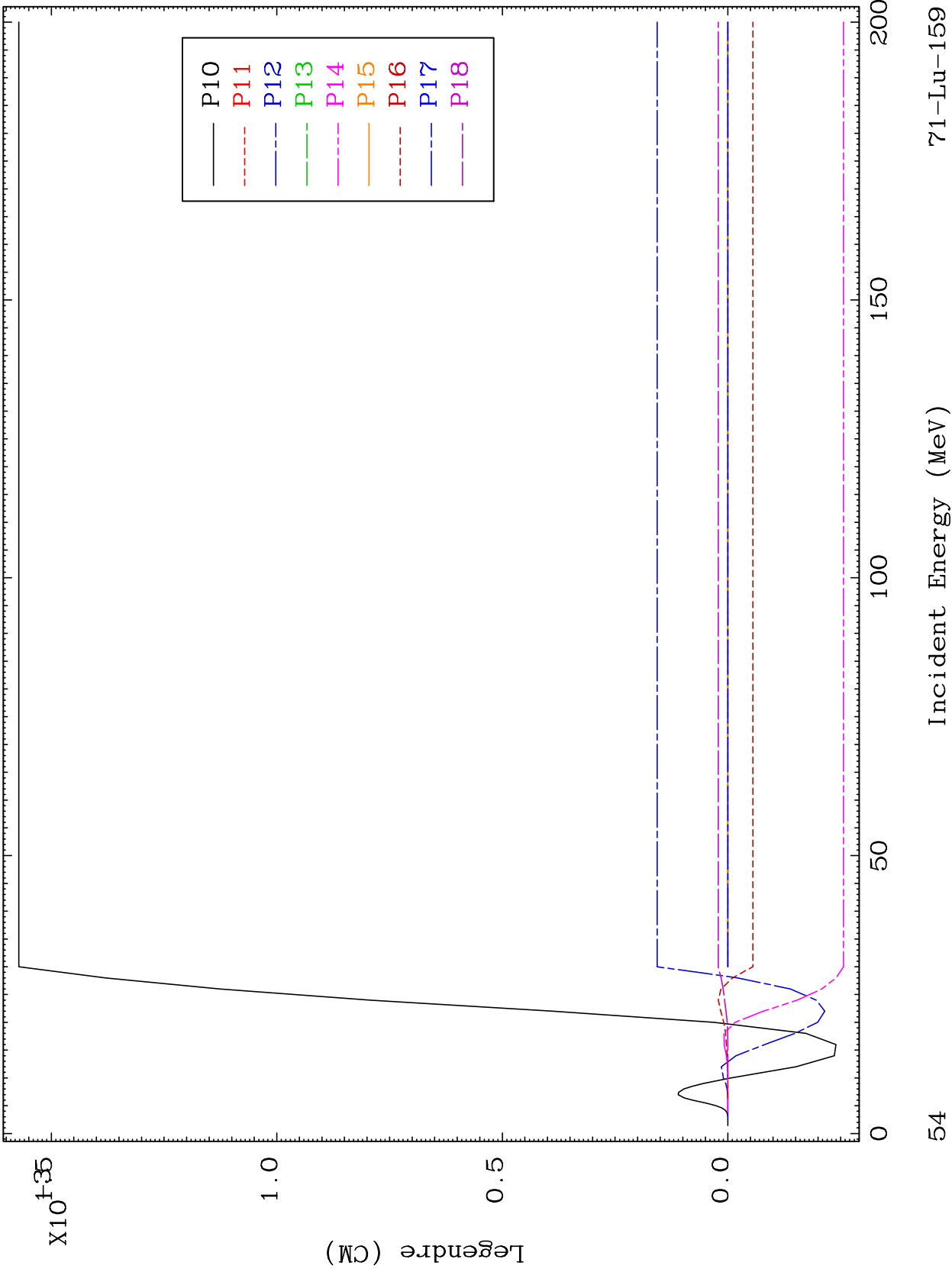
71-Lu-159



MAT 70777

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

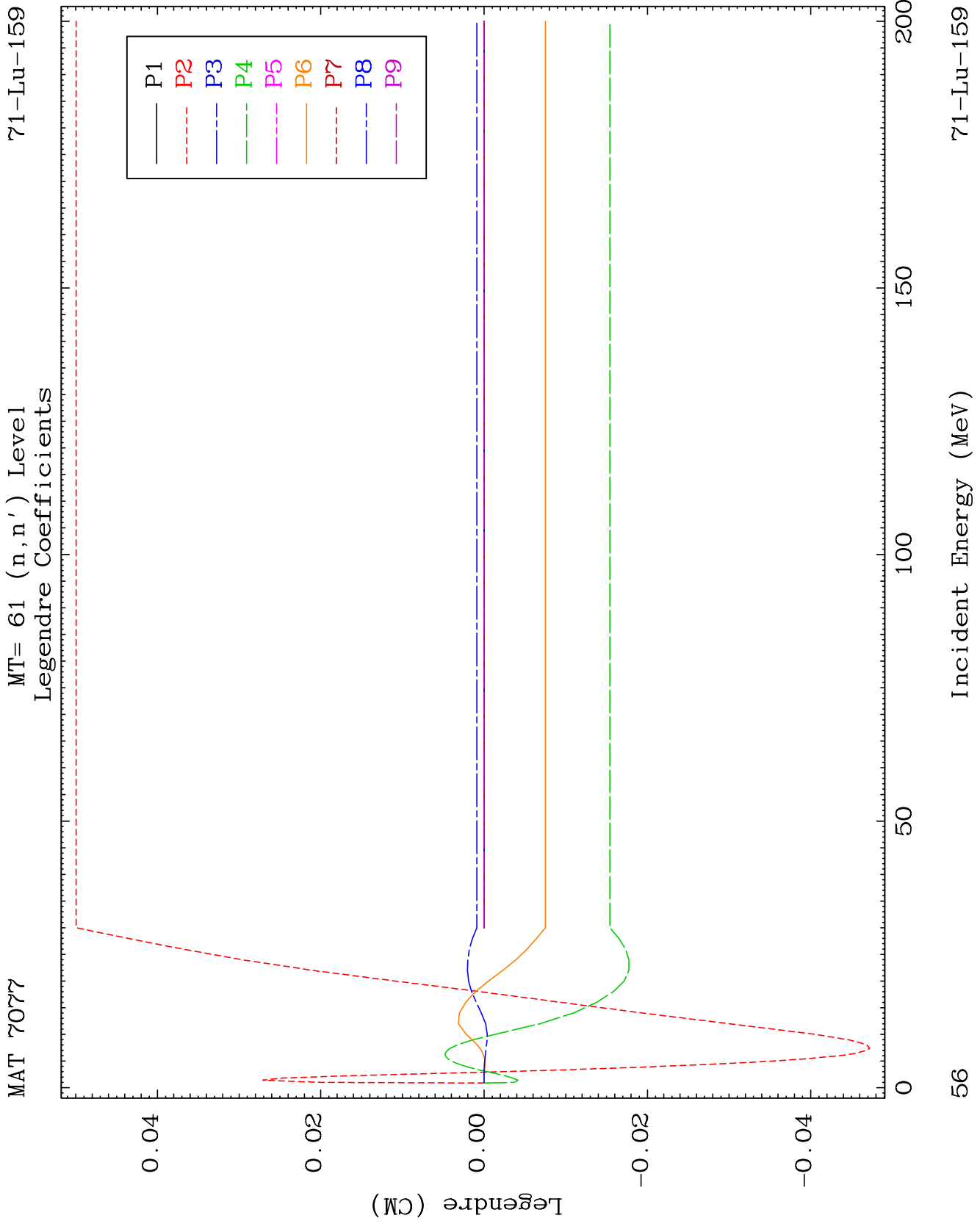
71-Lu-159



54

Incident Energy (MeV)

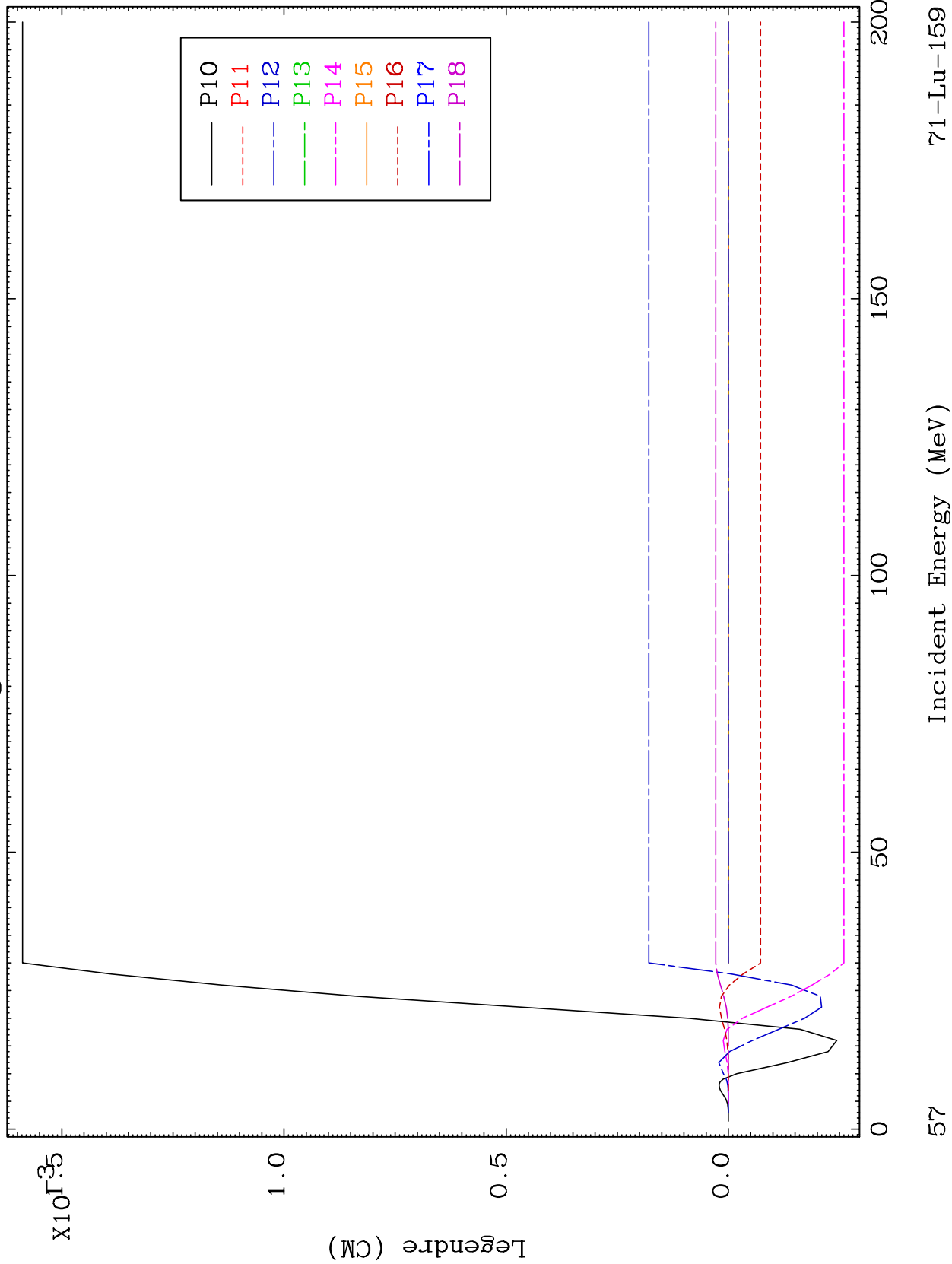
71-Lu-159



MAT 7077

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

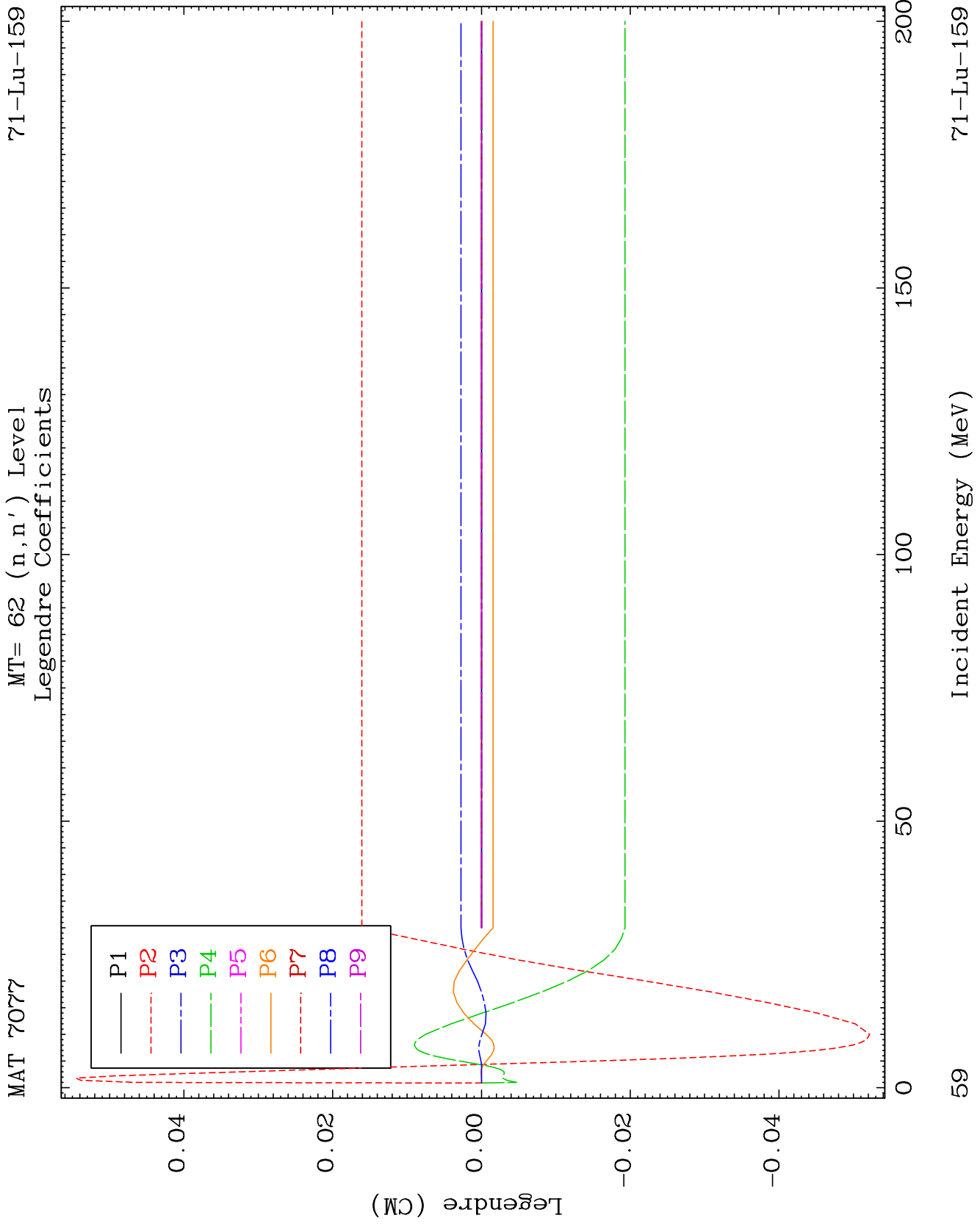
71-Lu-159



57

Incident Energy (MeV)

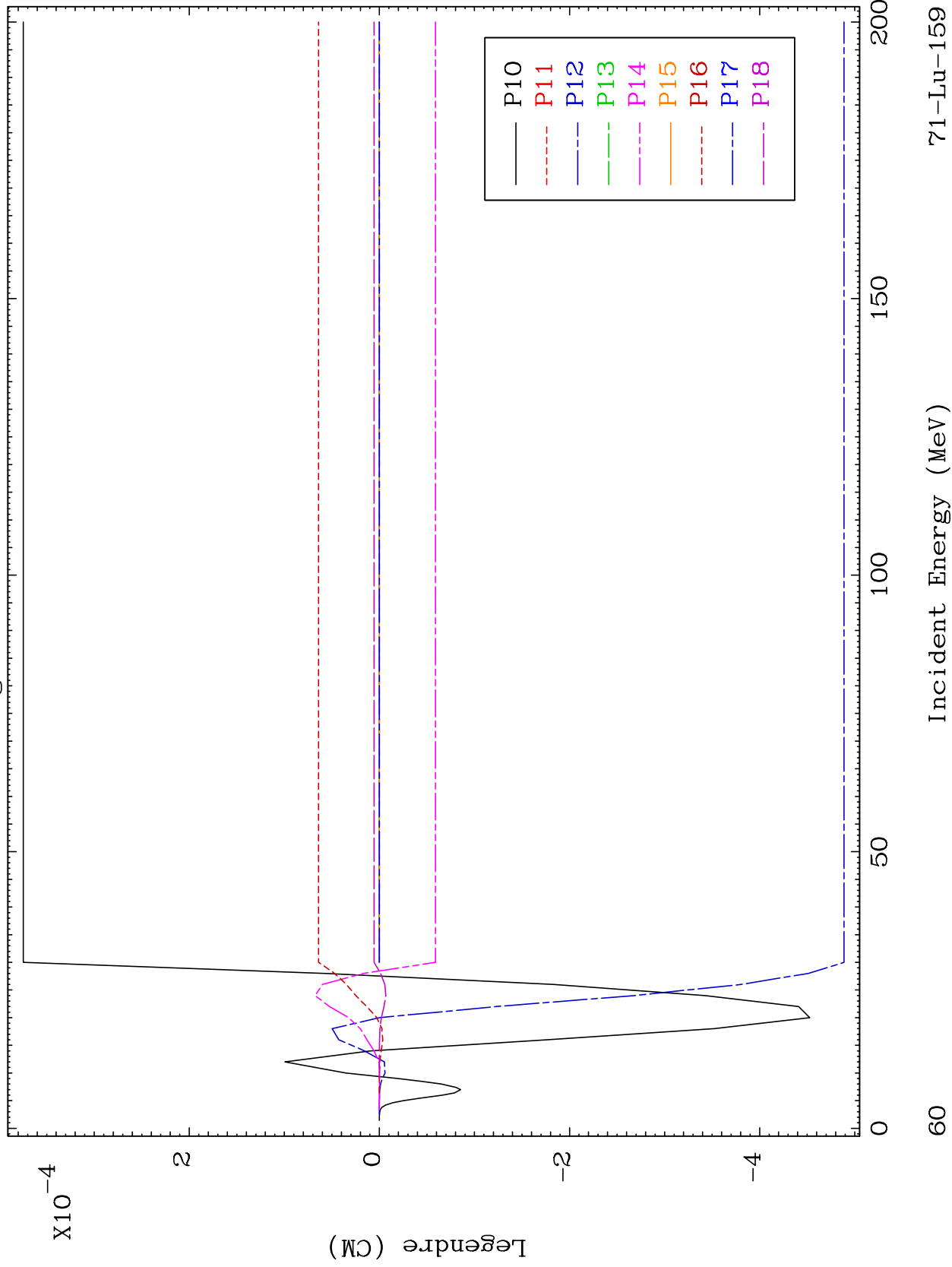
71-Lu-159

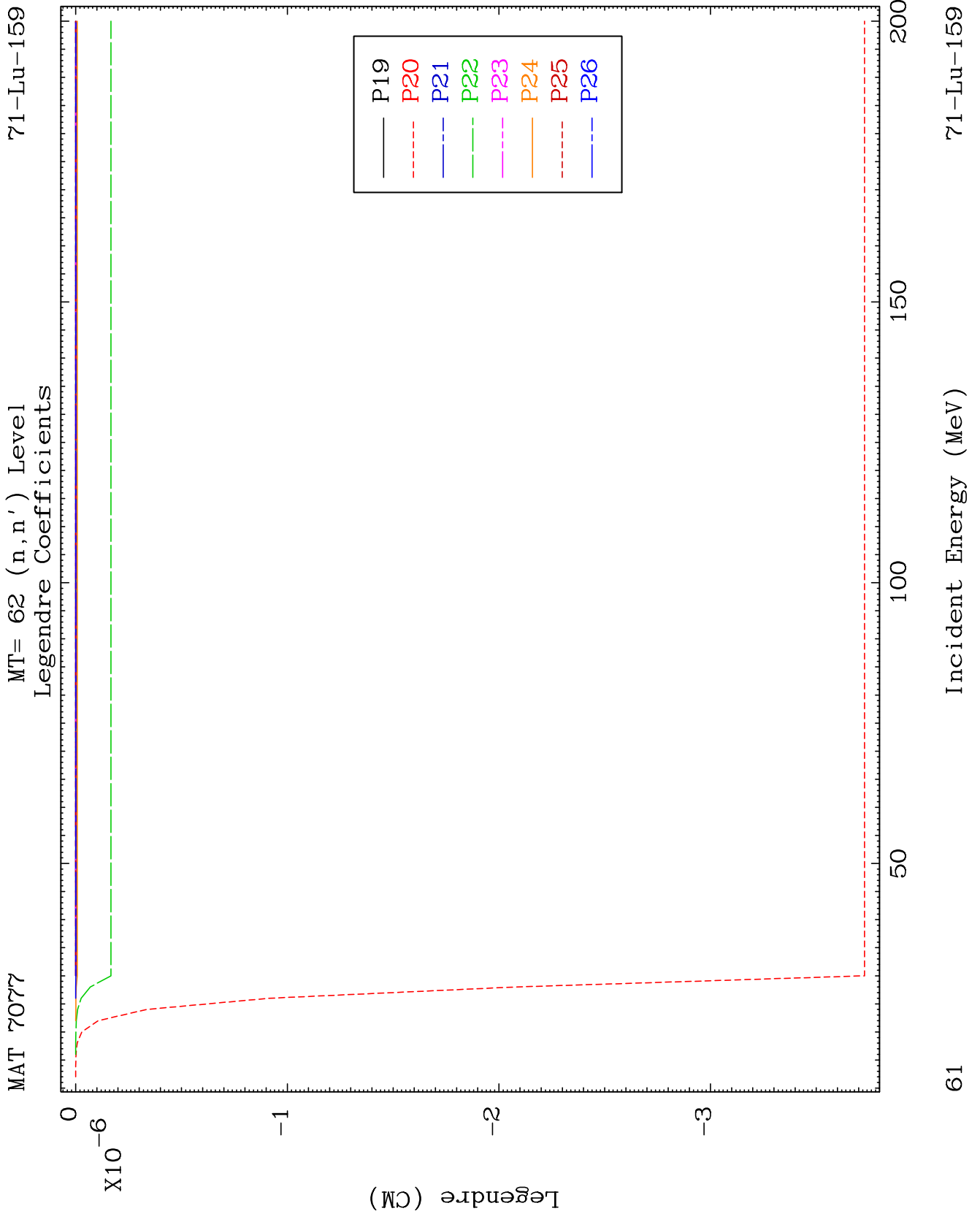


MAT 70777

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

71-Lu-159

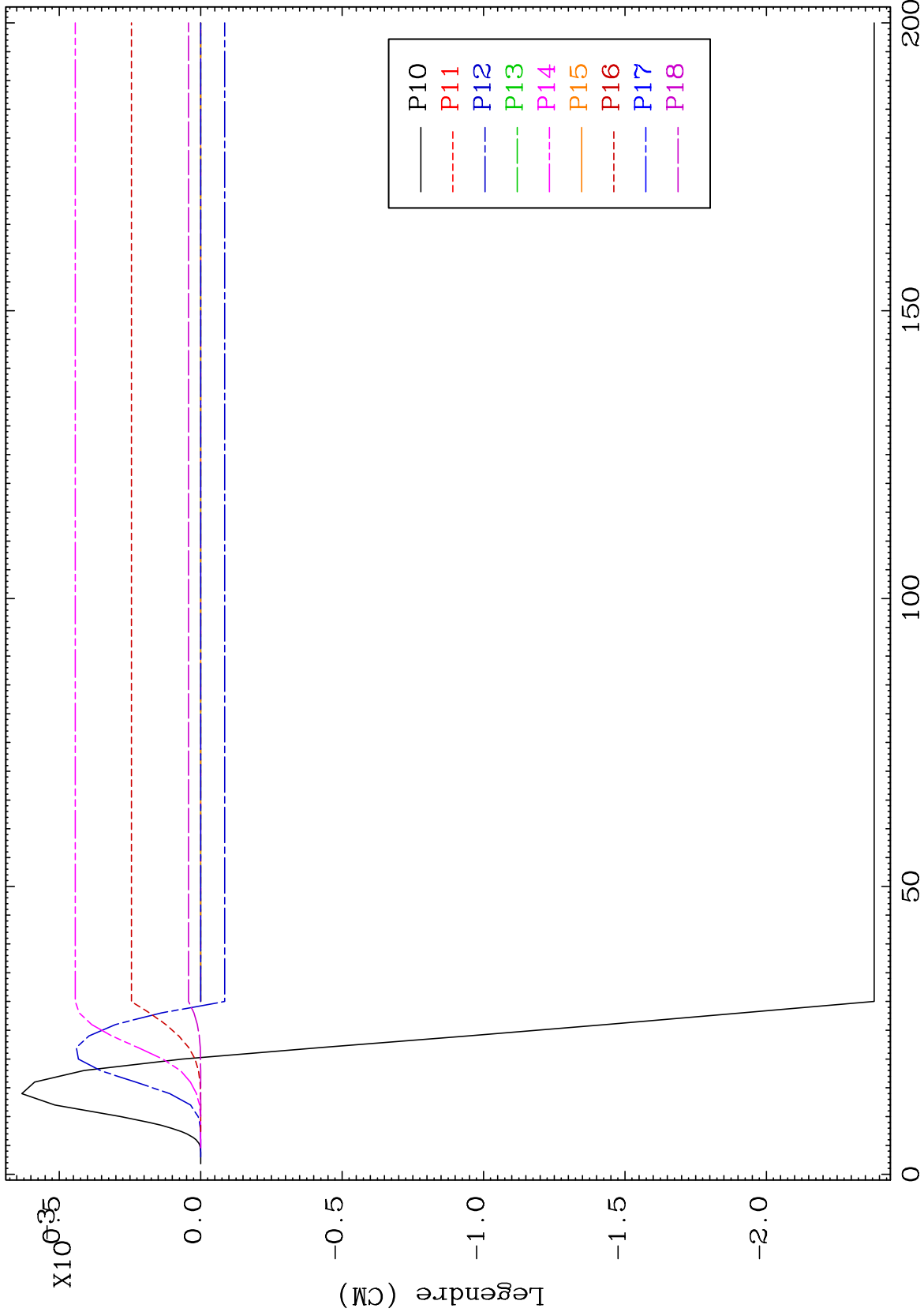




MAT 7077

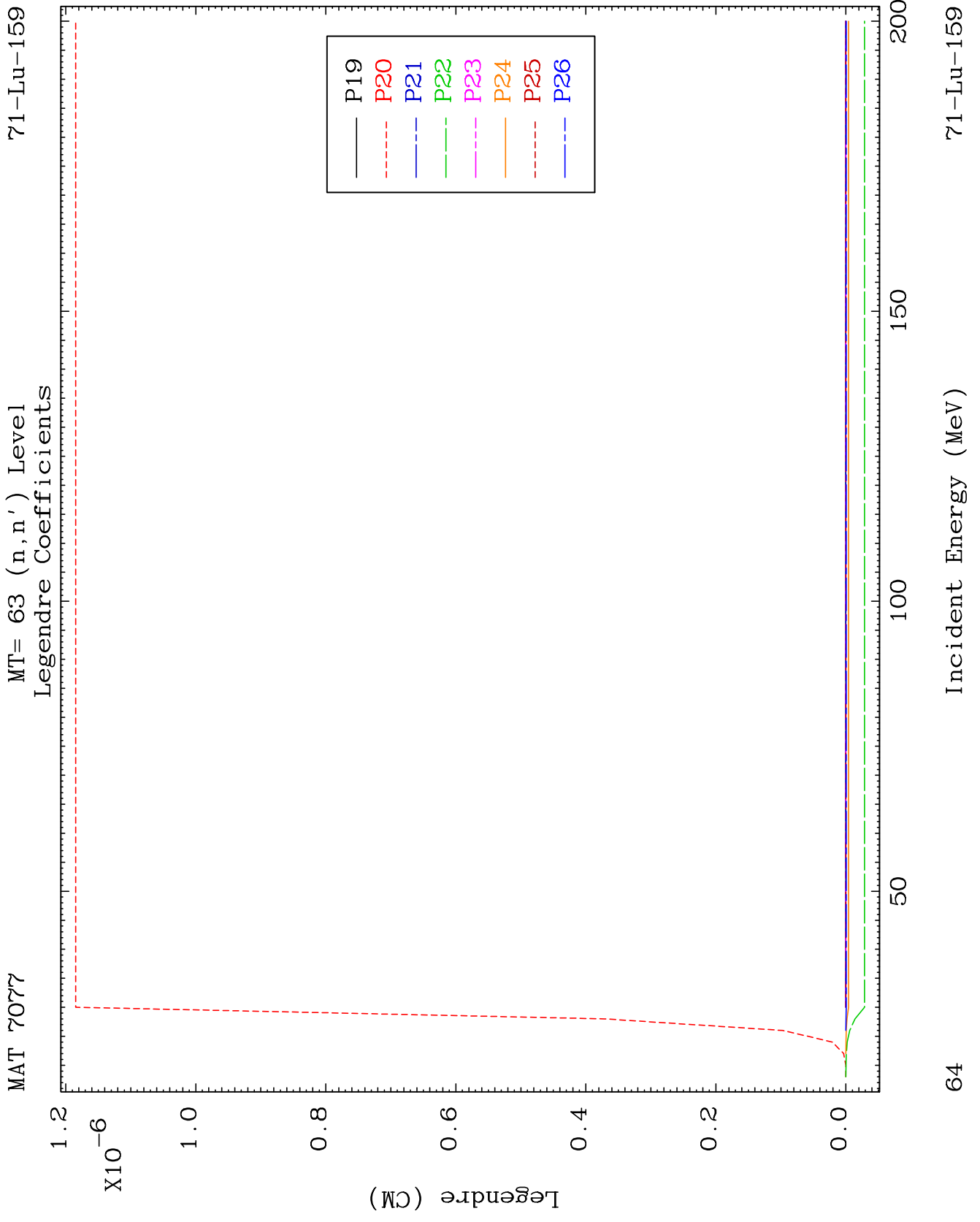
MT= 63 (n,n') Level
Legendre Coefficients

71-Lu-159



63

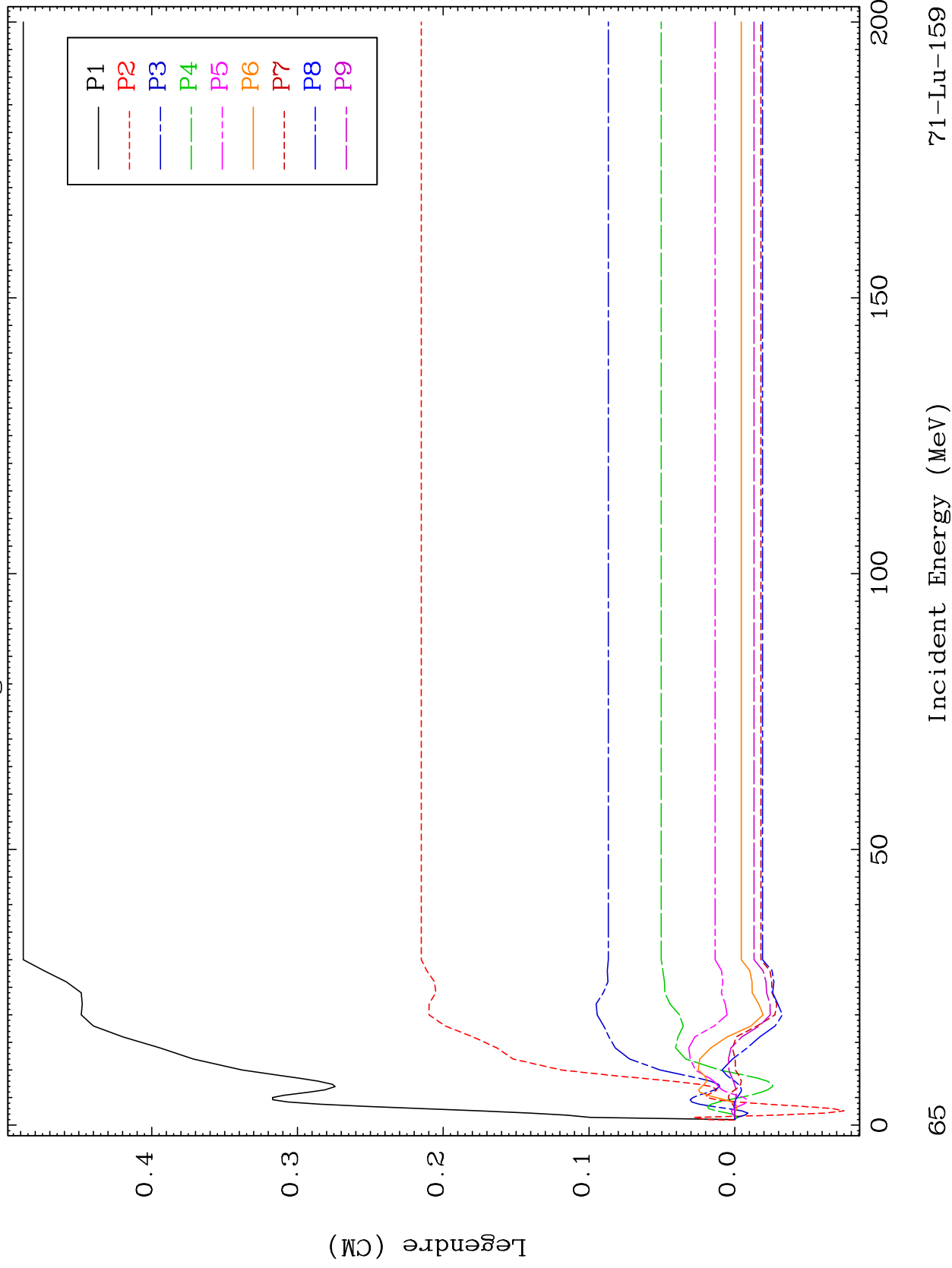
71-Lu-159



MAT 7077

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

71-Lu-159



71-Lu-159

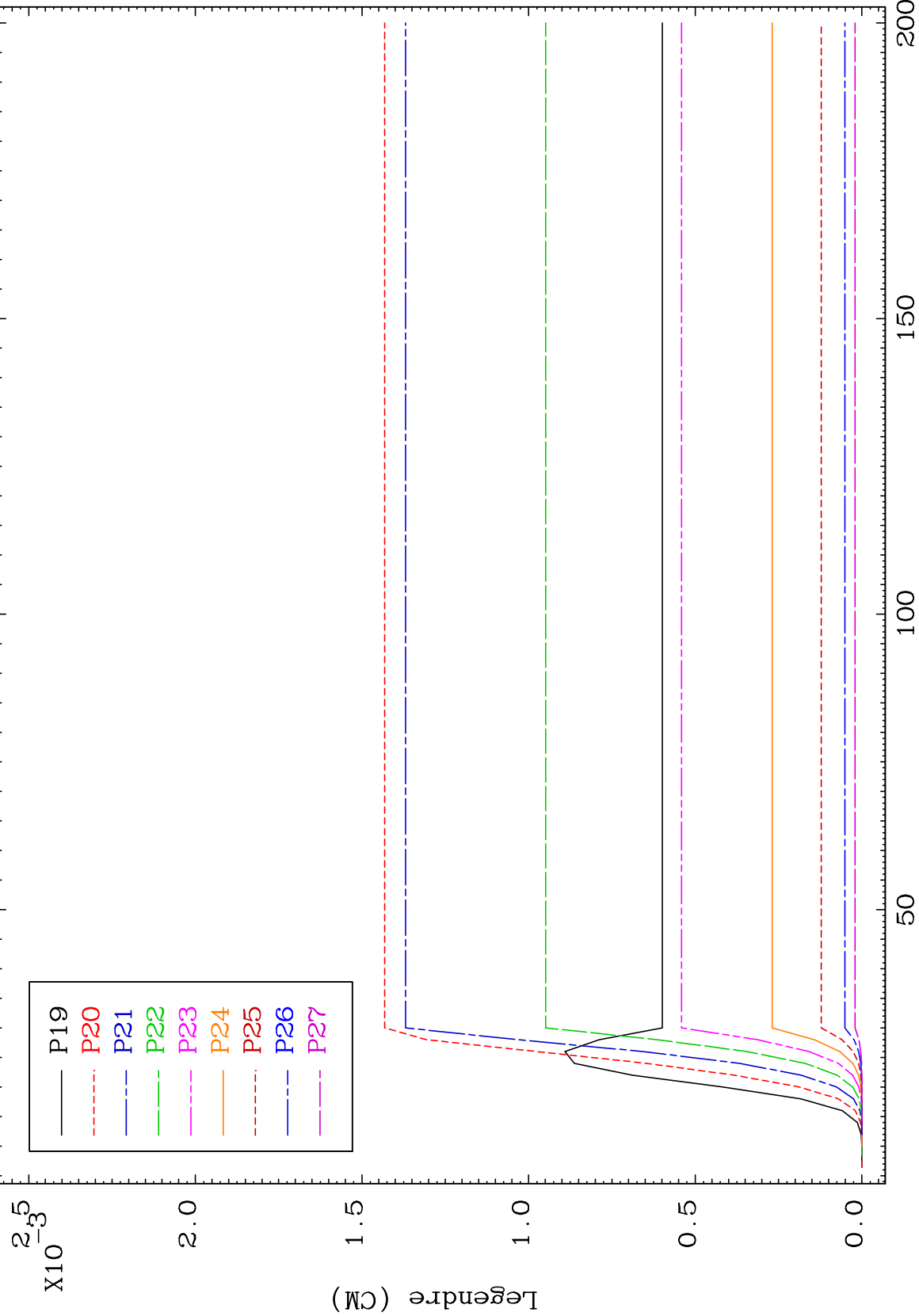
Incident Energy (MeV)

65

MAT 70777

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

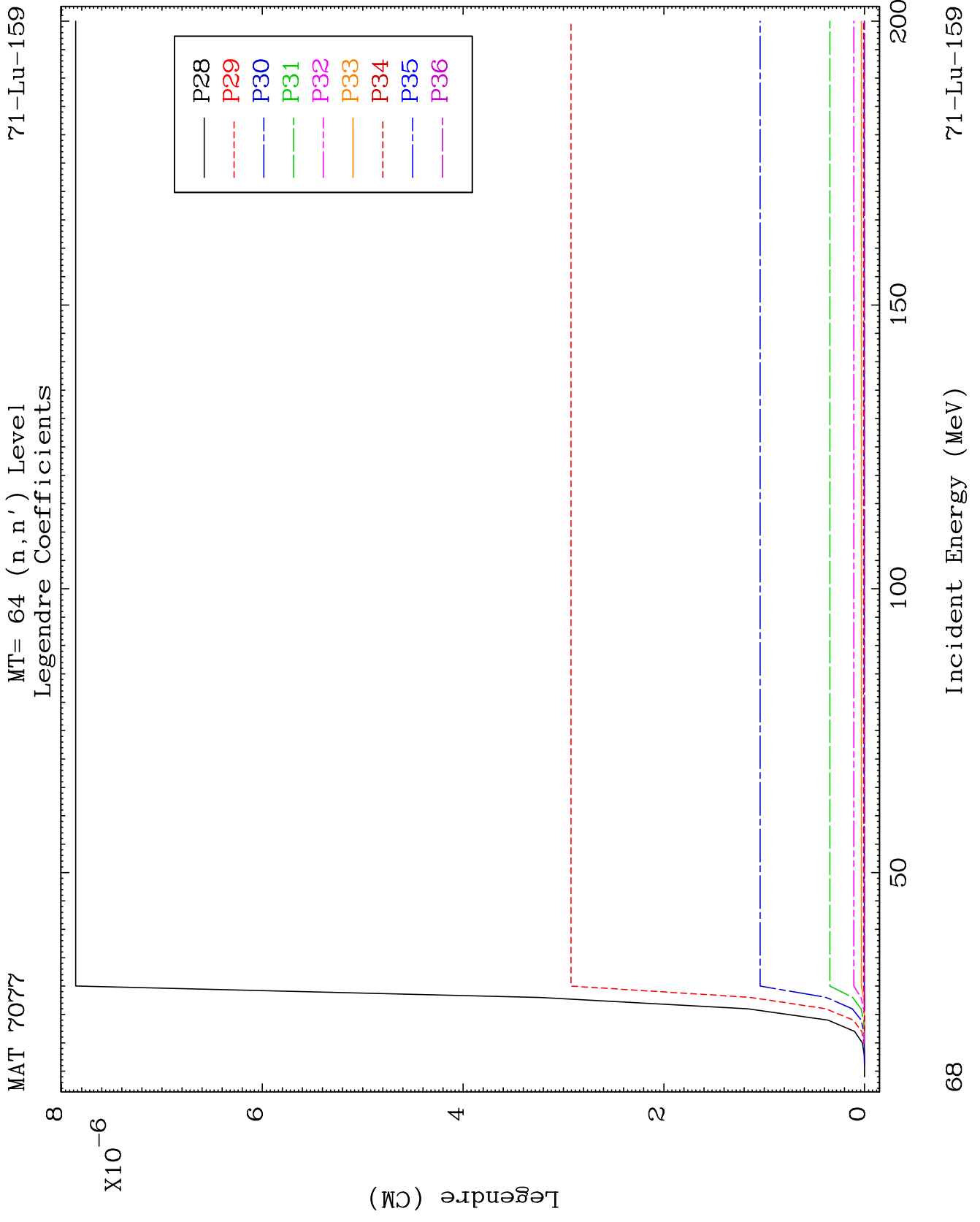
71-Lu-159



67

Incident Energy (MeV)

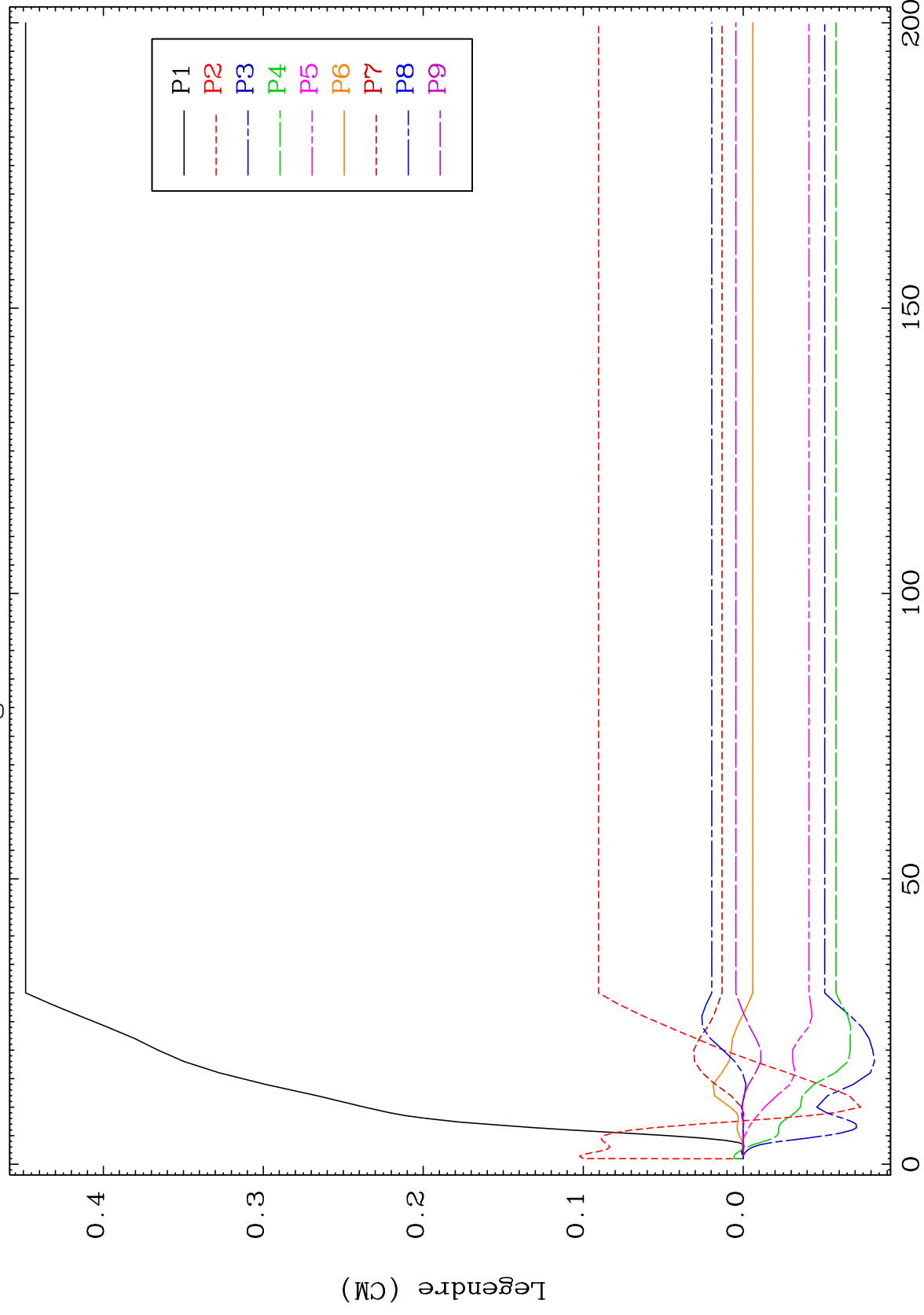
71-Lu-159



MAT 7077

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

71-Lu-159



69

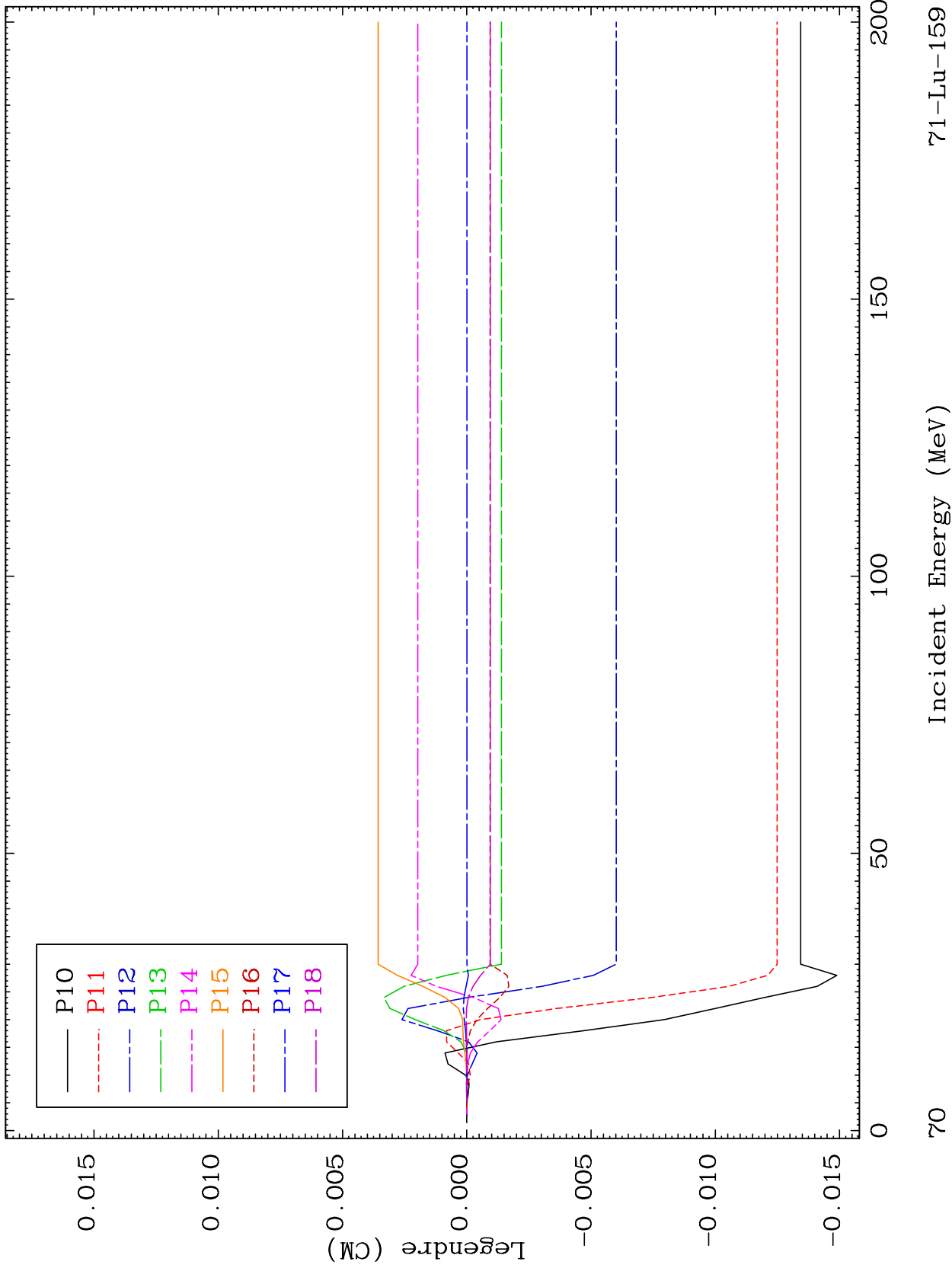
Incident Energy (MeV)

71-Lu-159

MAT 70777

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

71-Lu-159



71-Lu-159

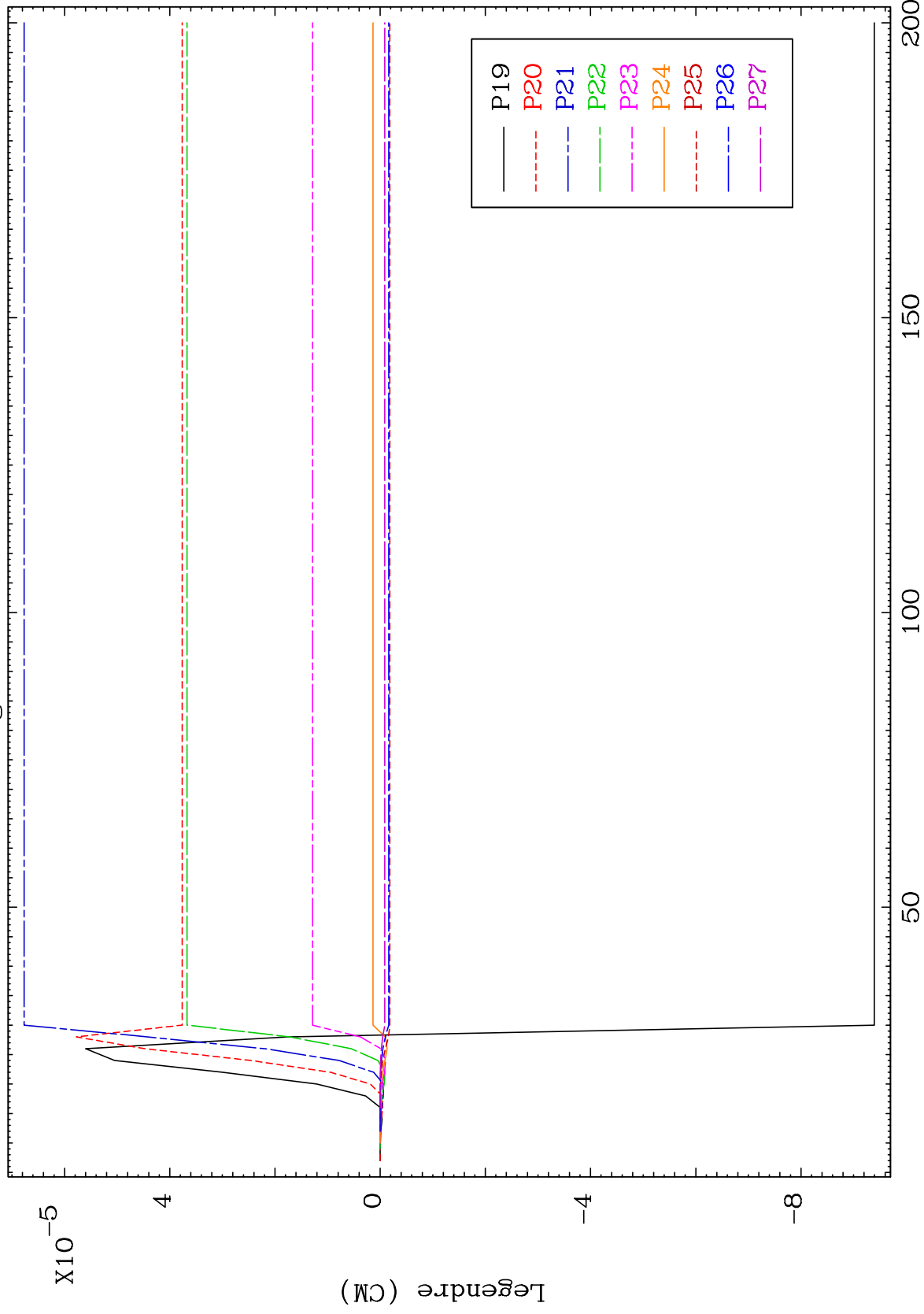
Incident Energy (MeV)

70

MAT 70777

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

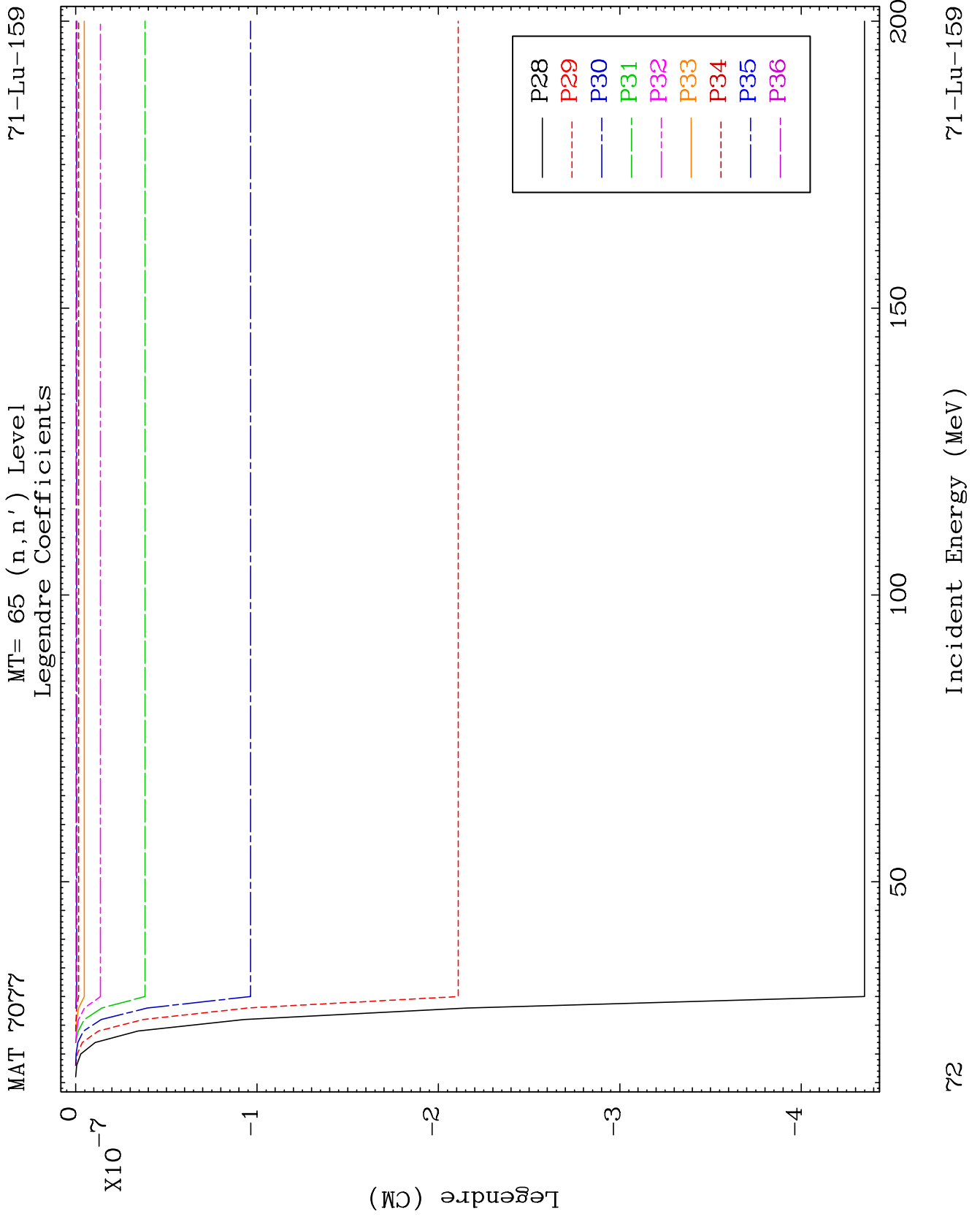
71-Lu-159



71

Incident Energy (MeV)

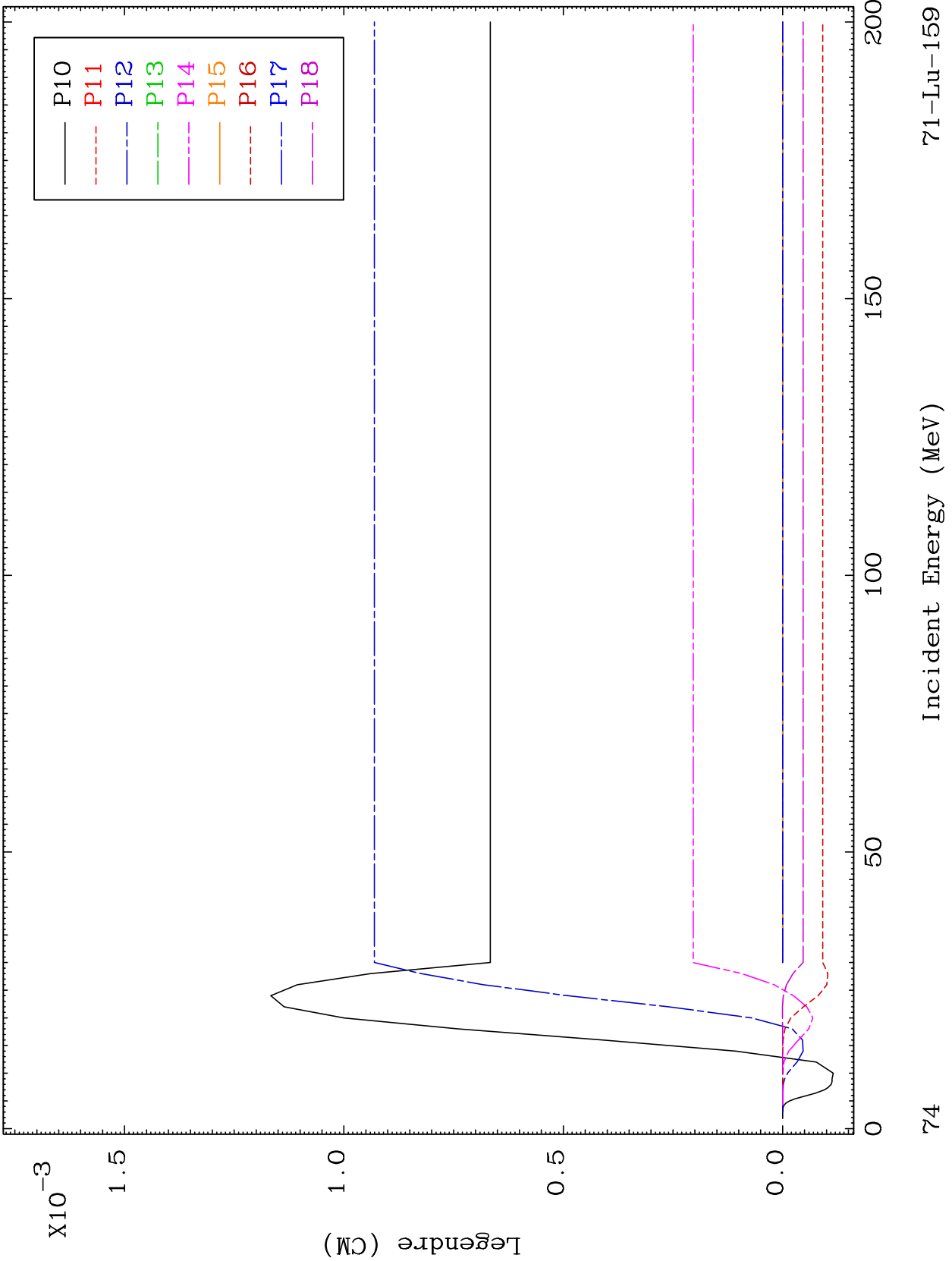
71-Lu-159

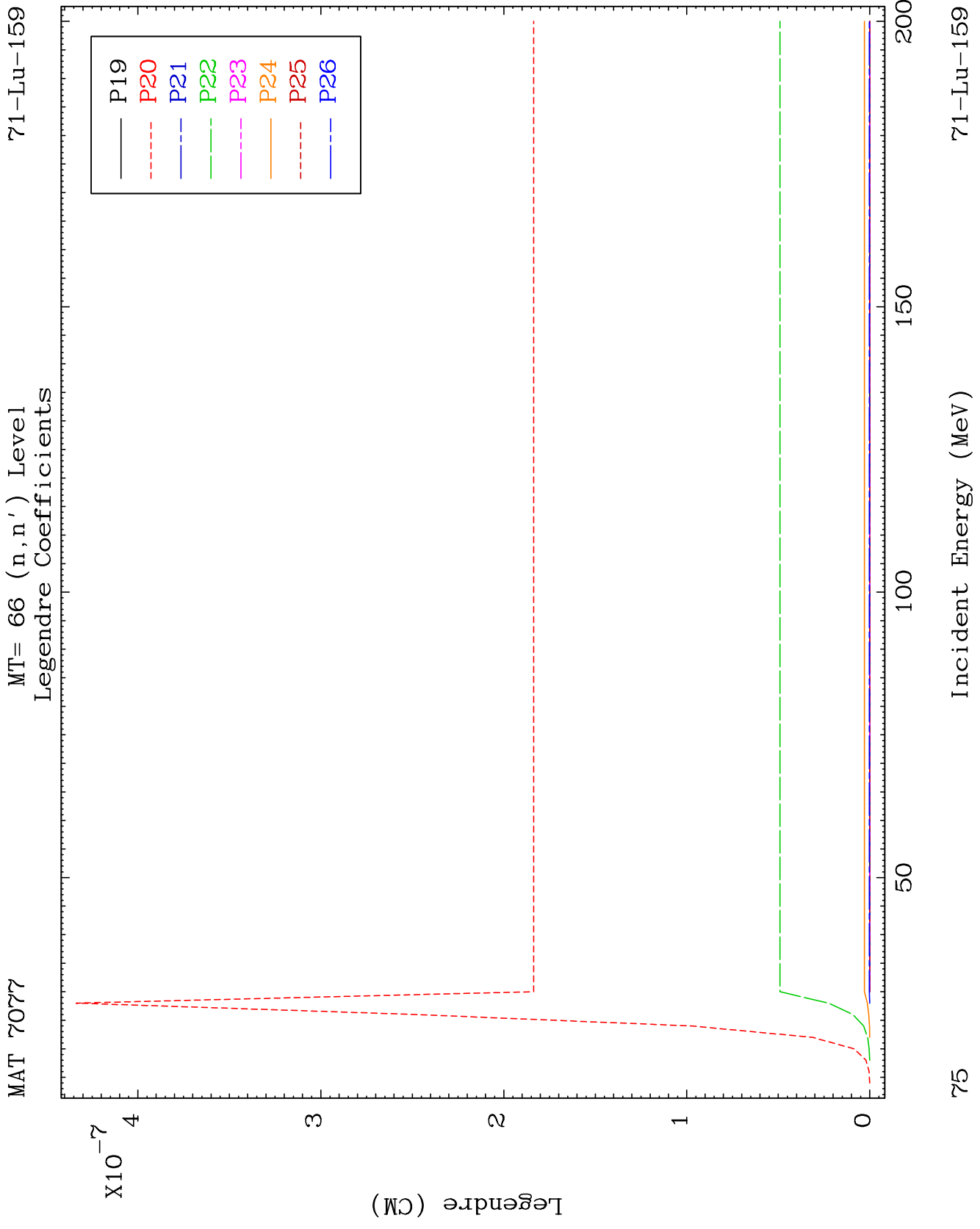


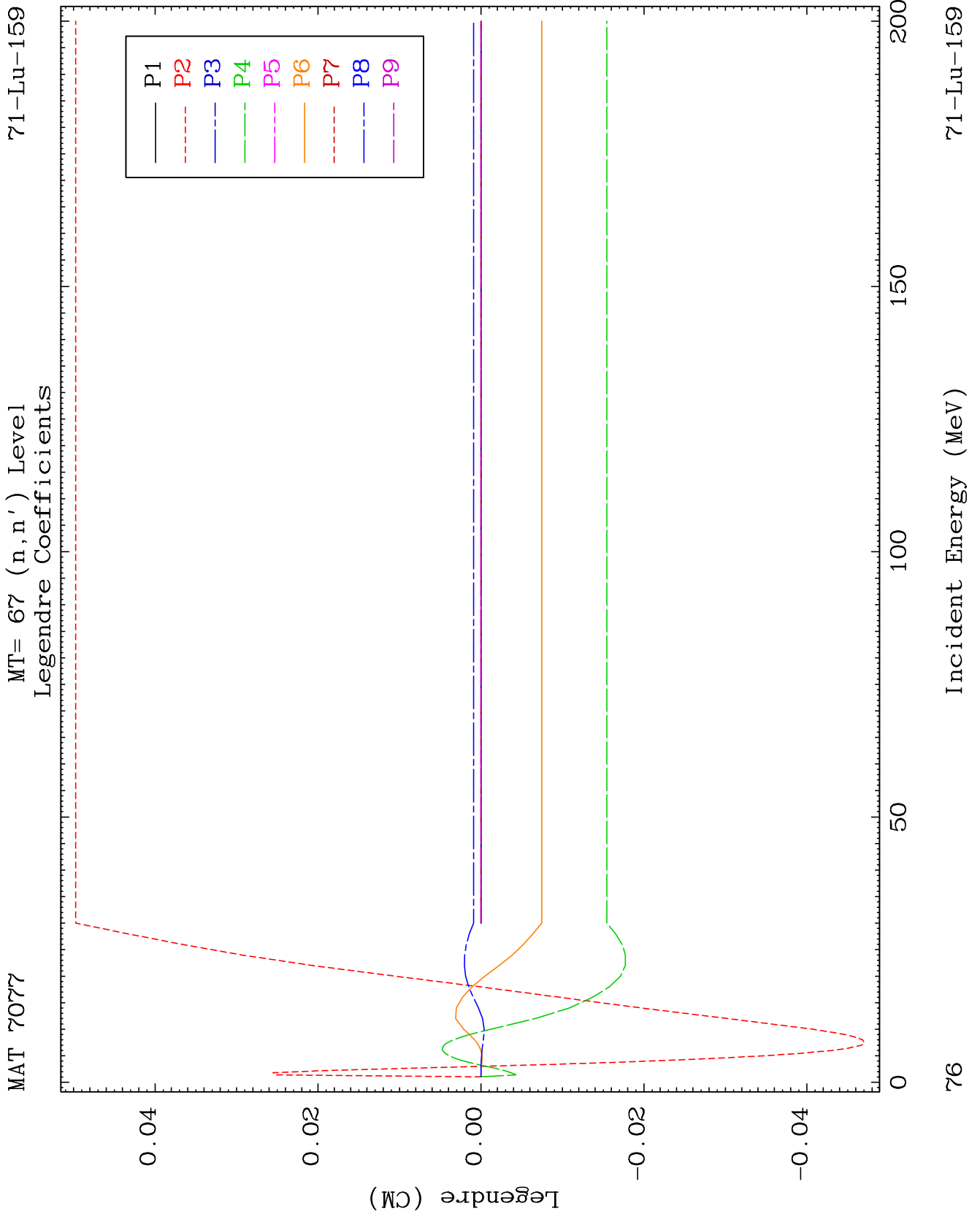
MAT 70777

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

71-Lu-159



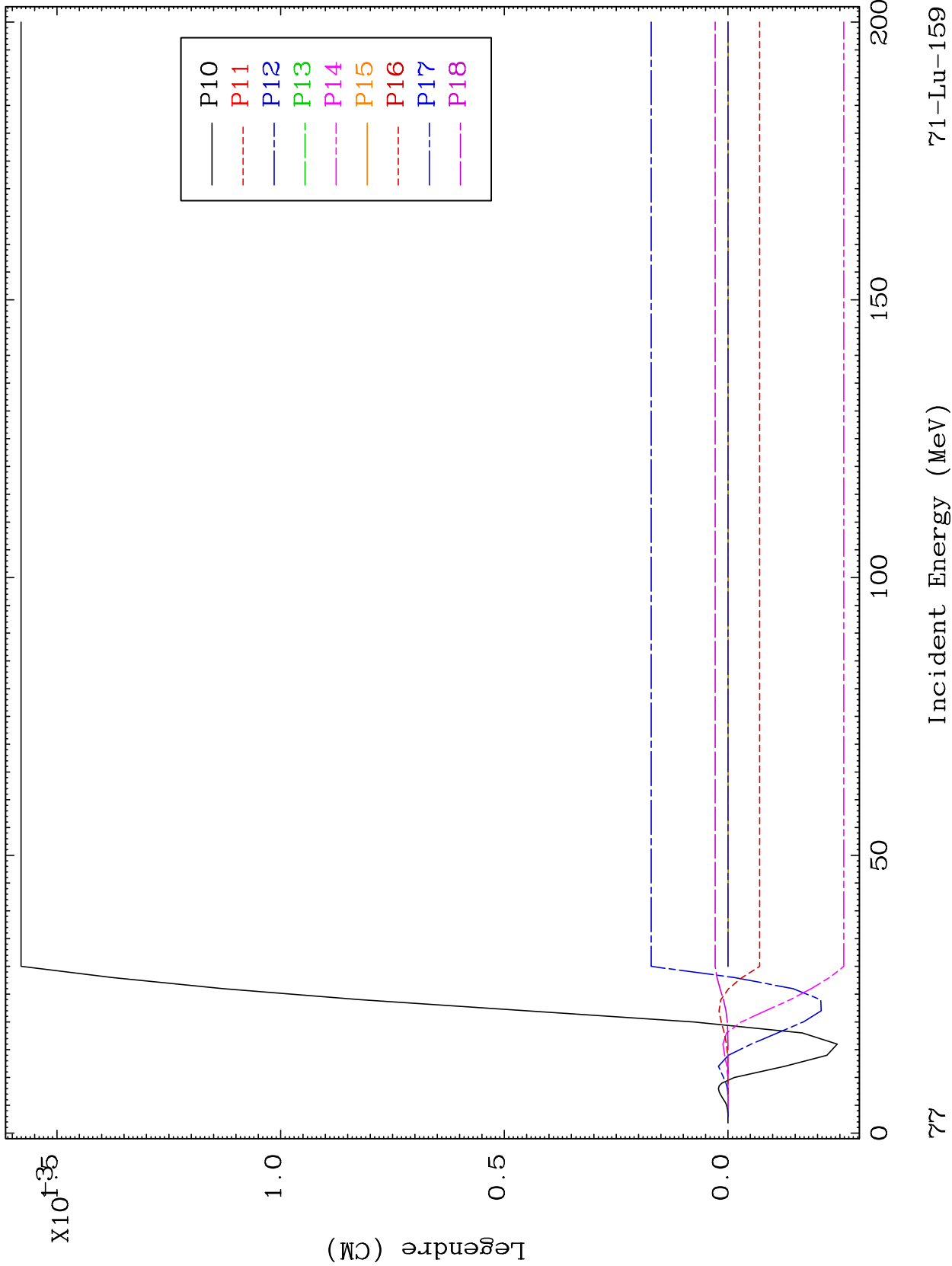




MAT 70777

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

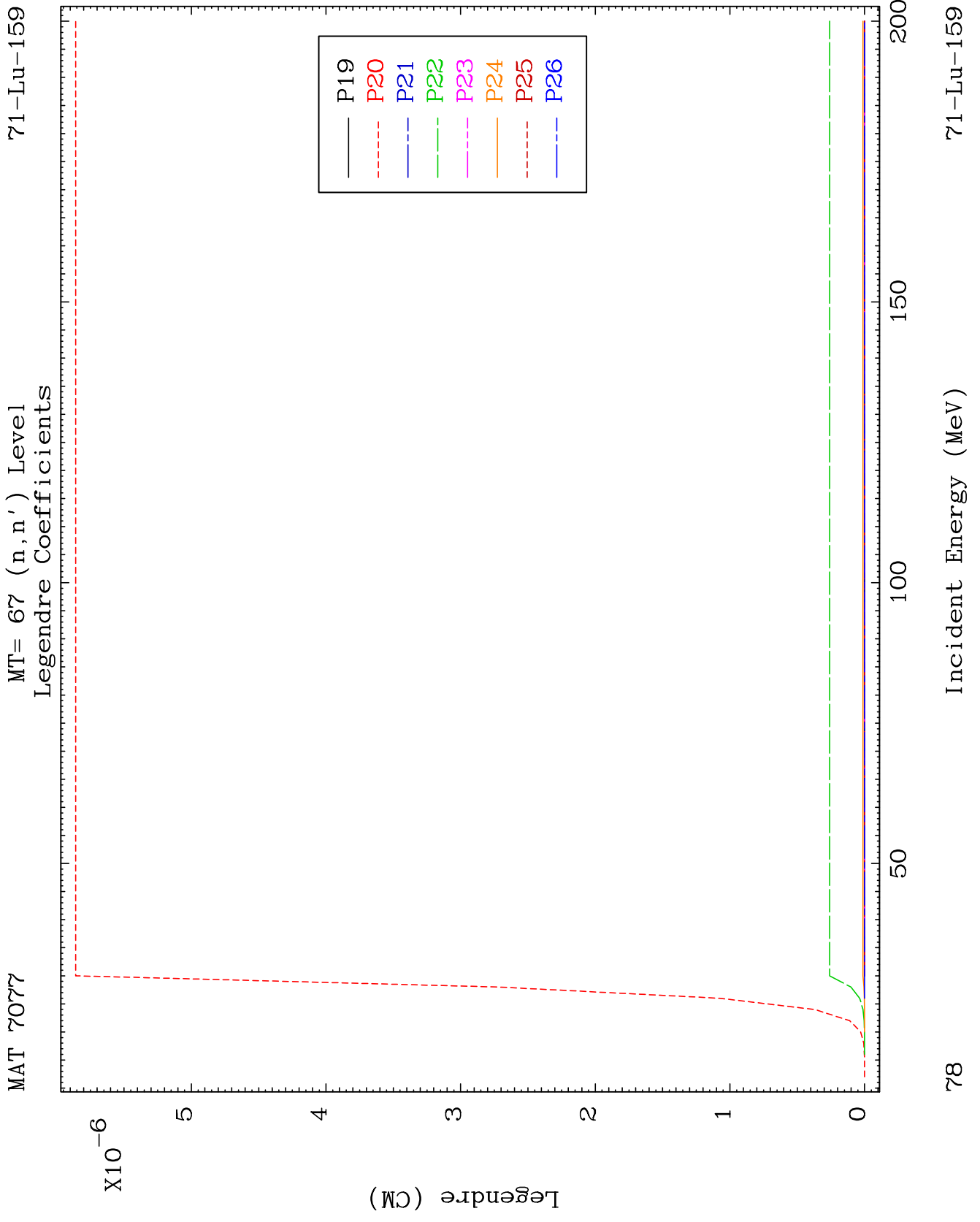
71-Lu-159



77

Incident Energy (MeV)

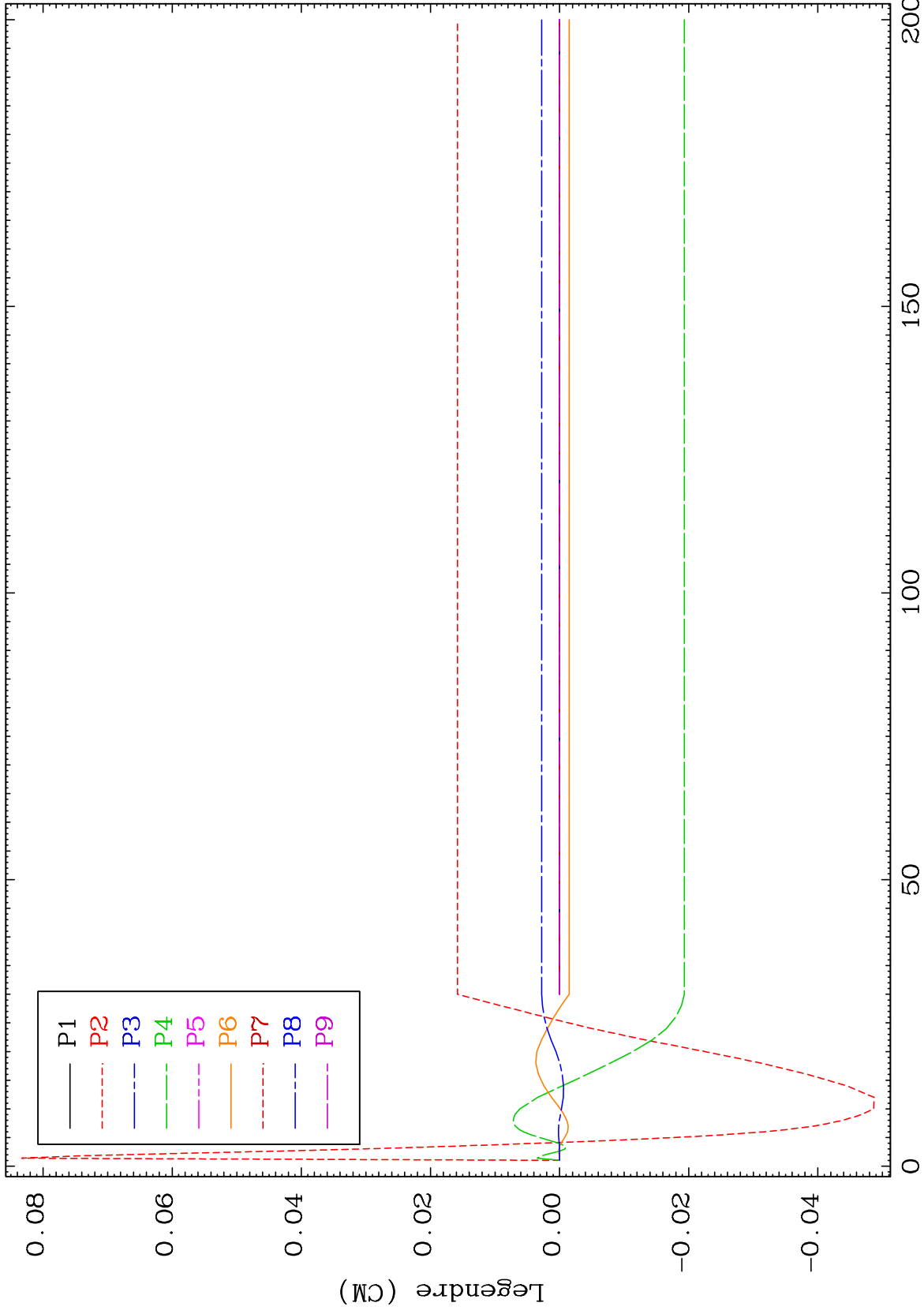
71-Lu-159



MAT 70777

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

71-Lu-159



79

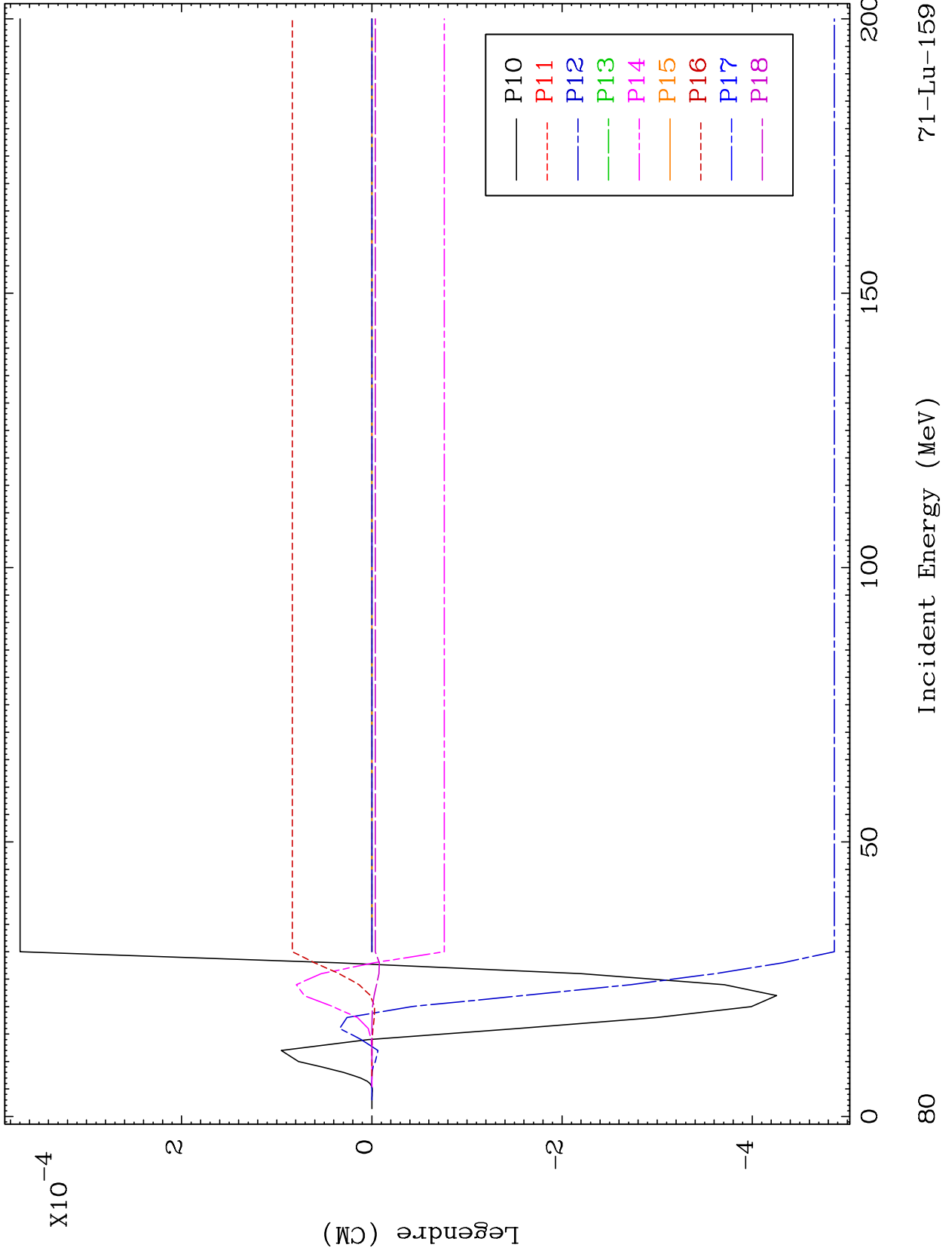
Incident Energy (MeV)

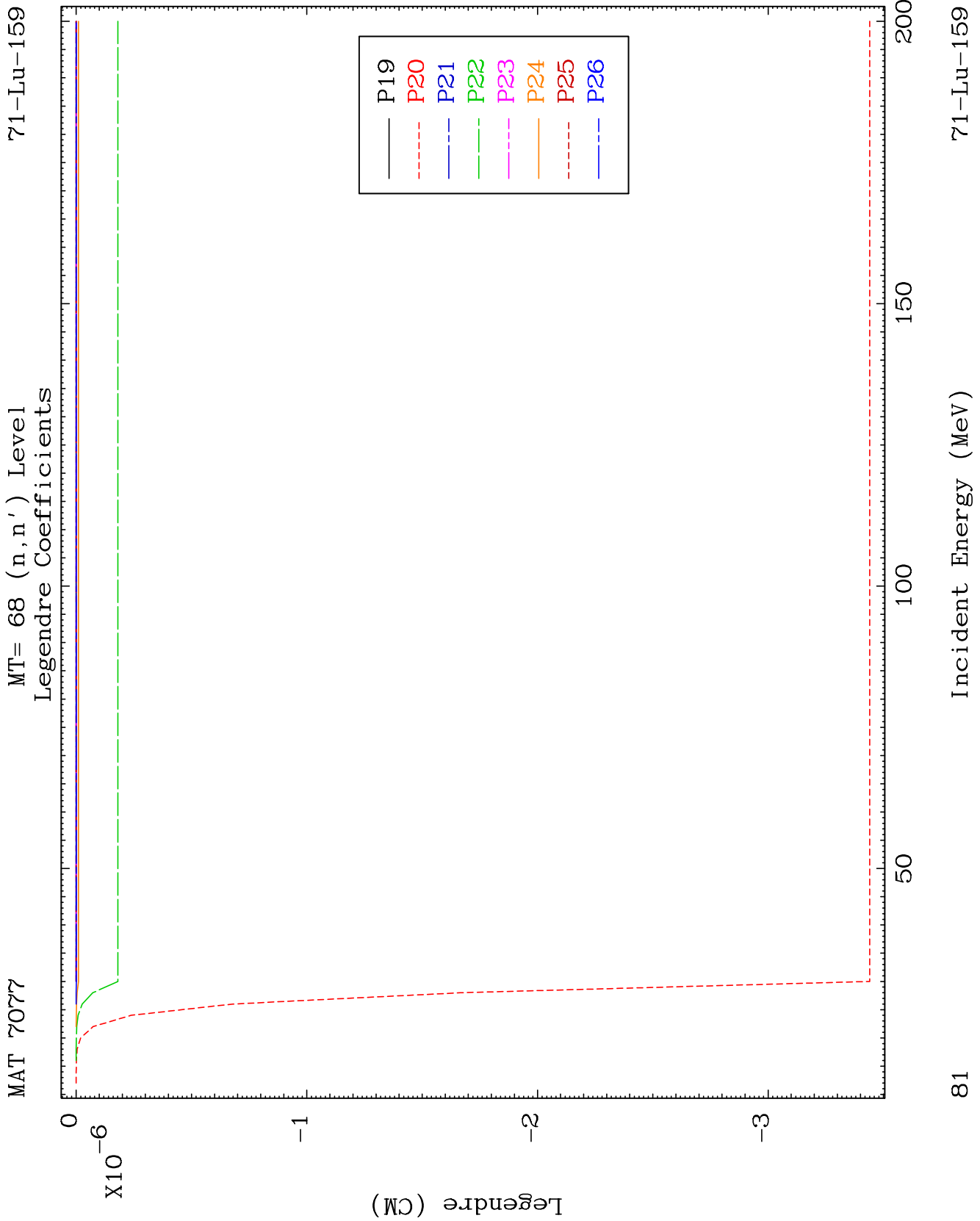
71-Lu-159

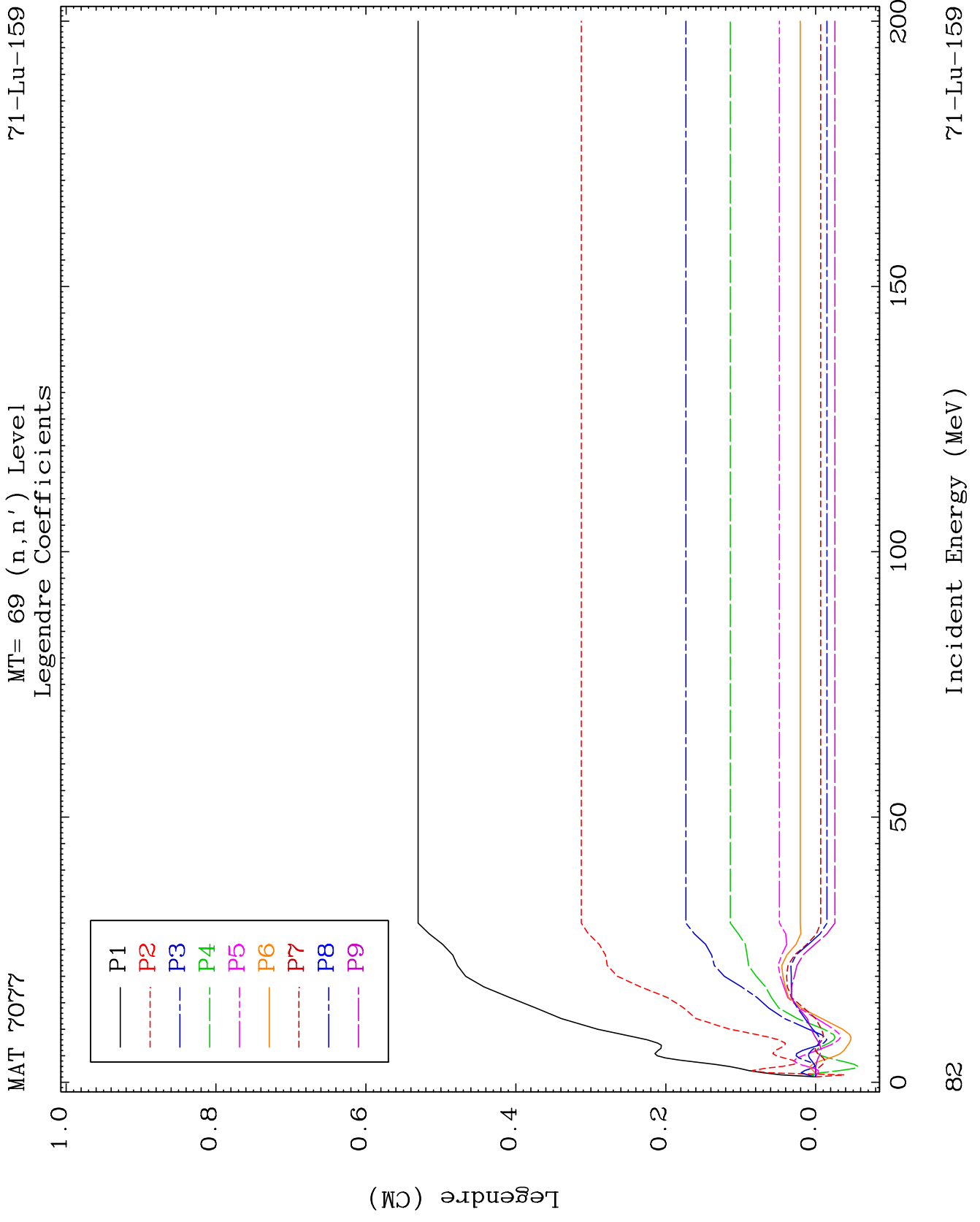
MAT 70777

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

71-Lu-159



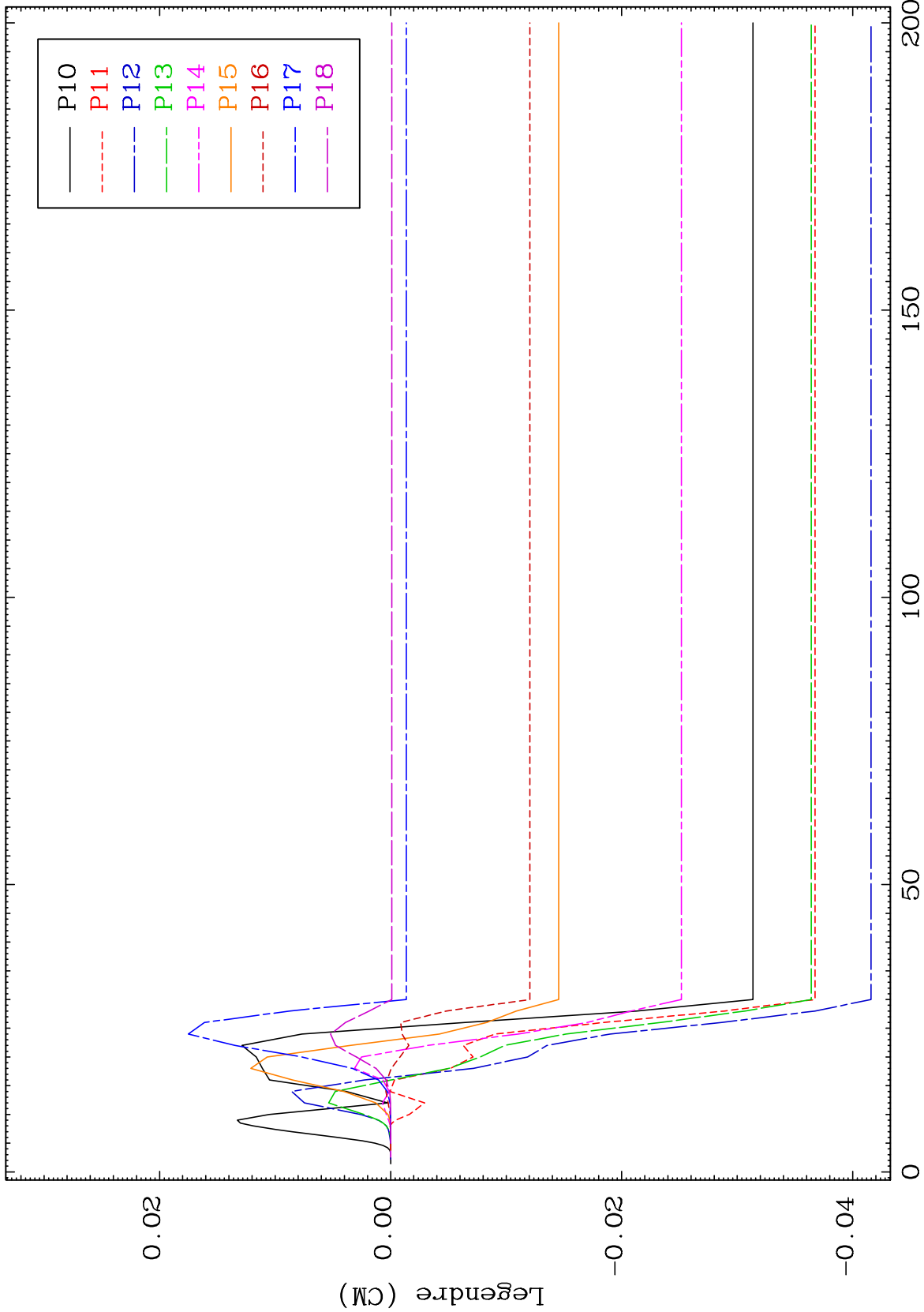




MAT 70777

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

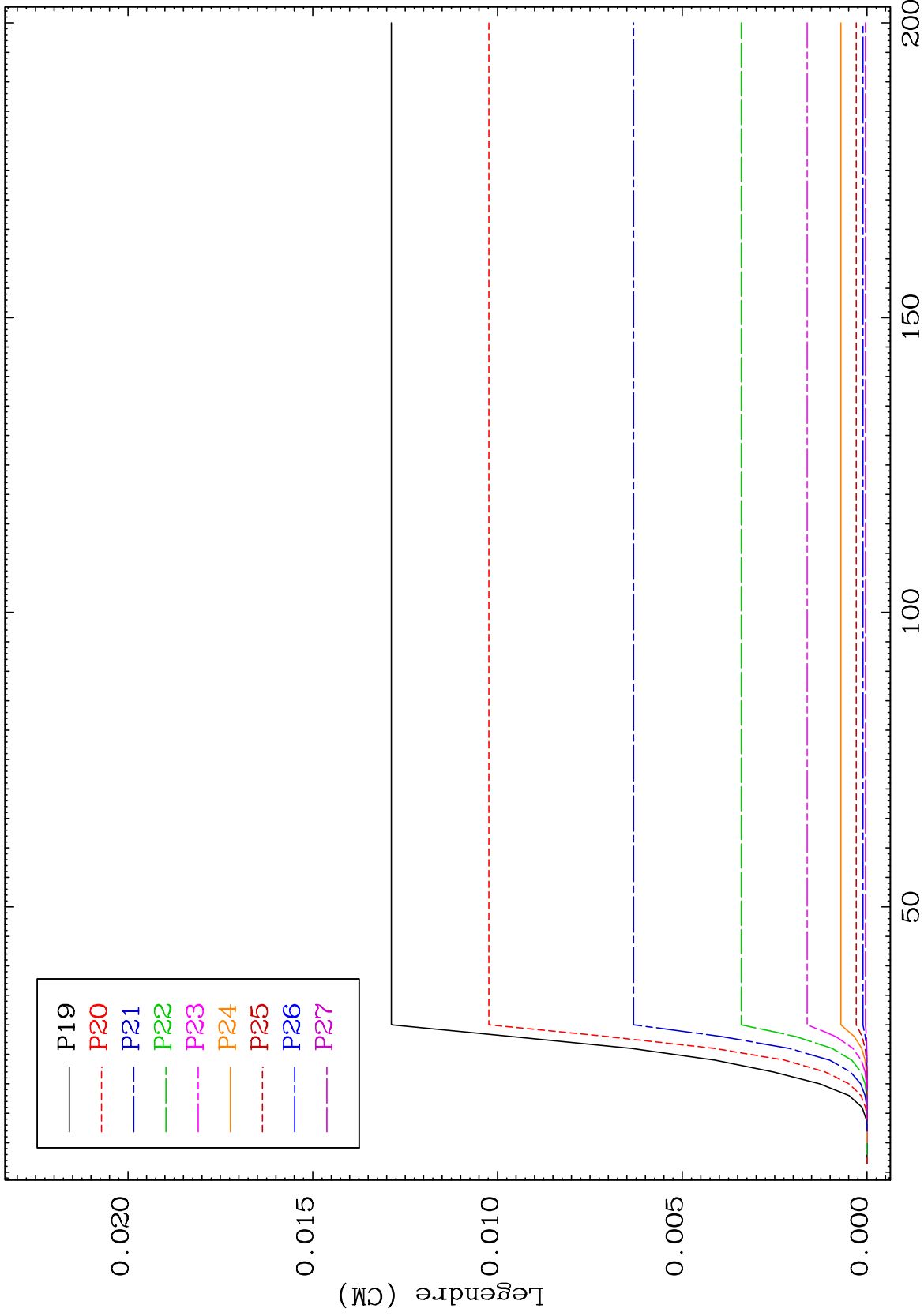
71-Lu-159



83

Incident Energy (MeV)

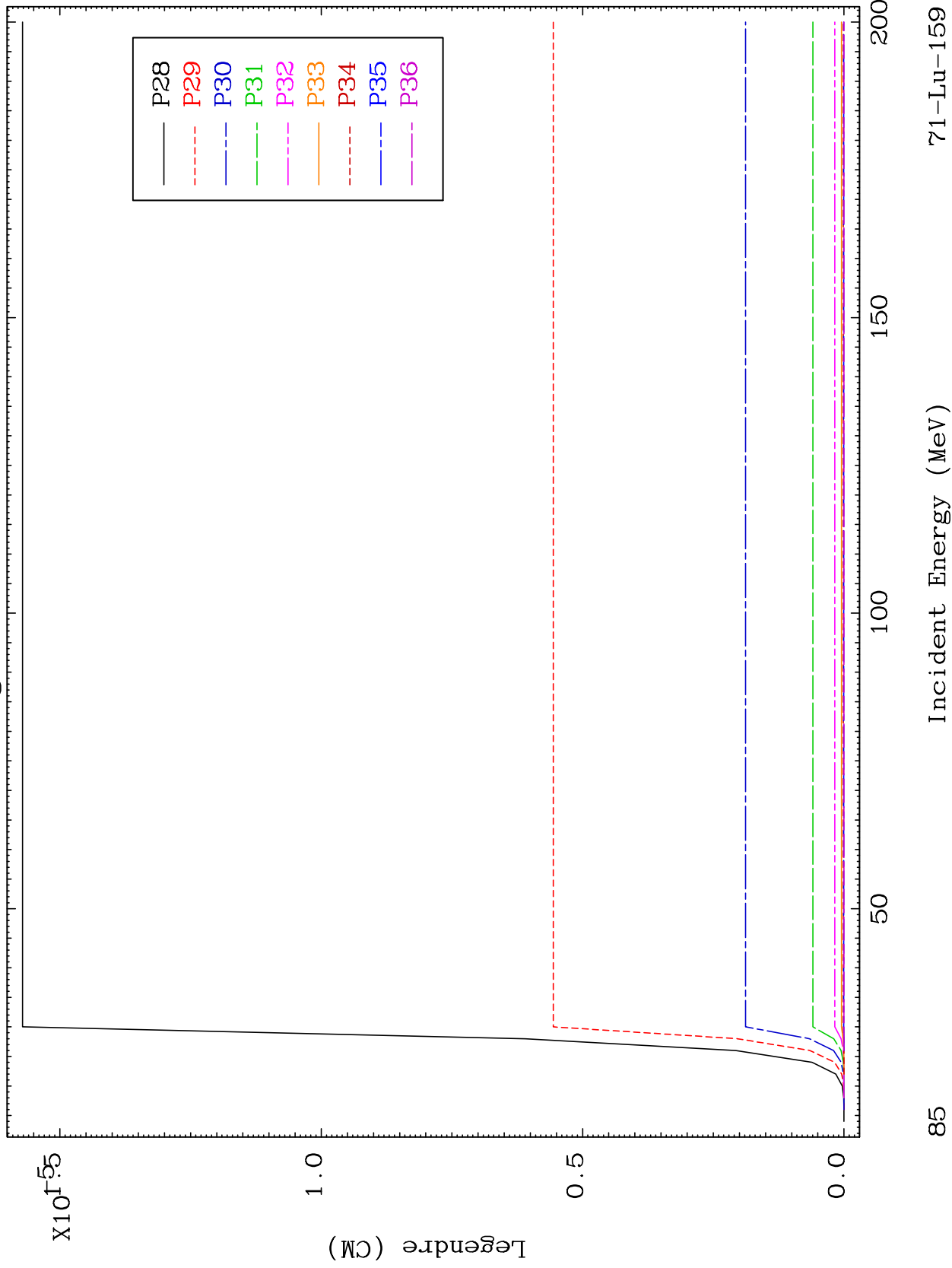
71-Lu-159



MAT 7077

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

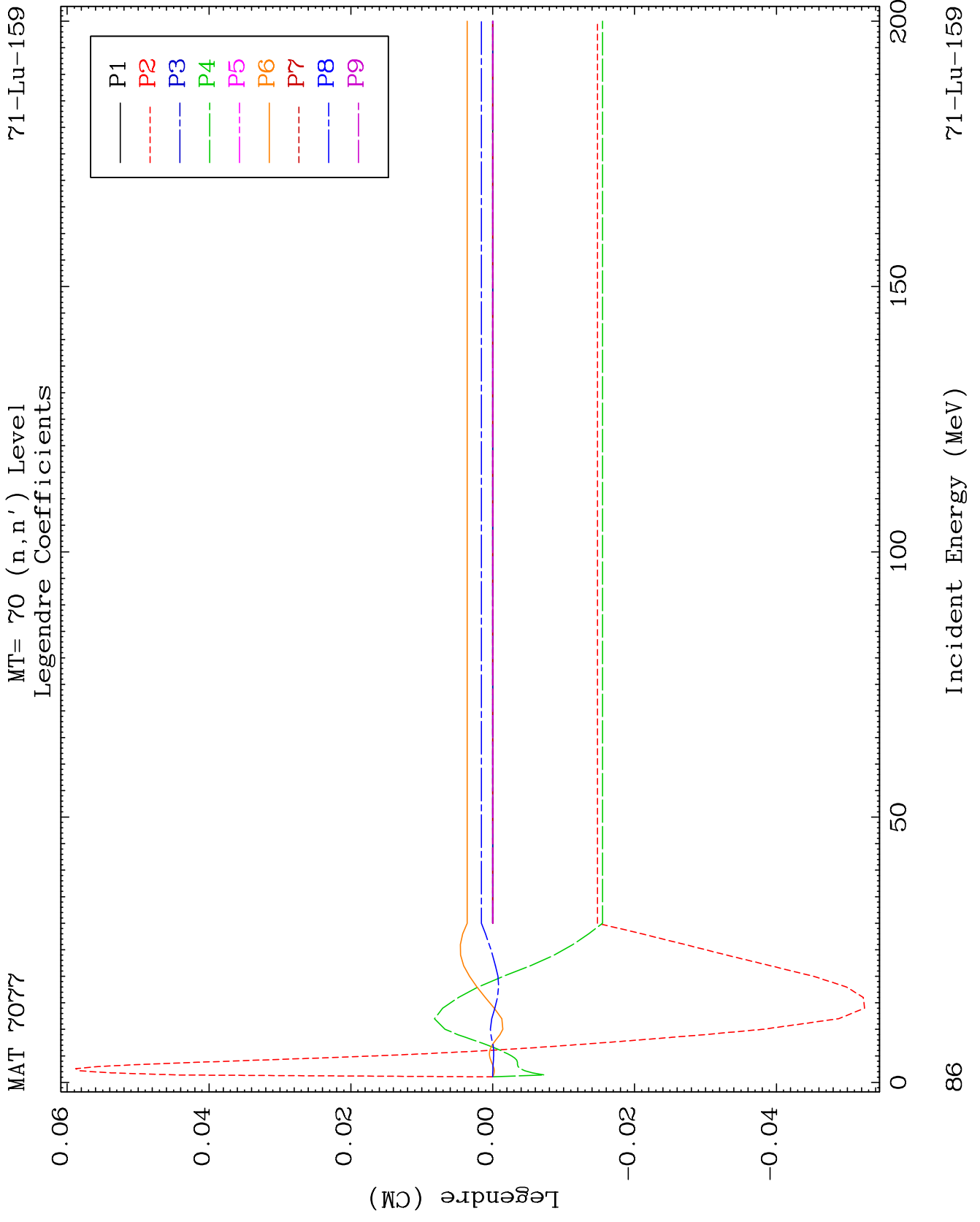
71-Lu-159



85

Incident Energy (MeV)

71-Lu-159



71-Lu-159

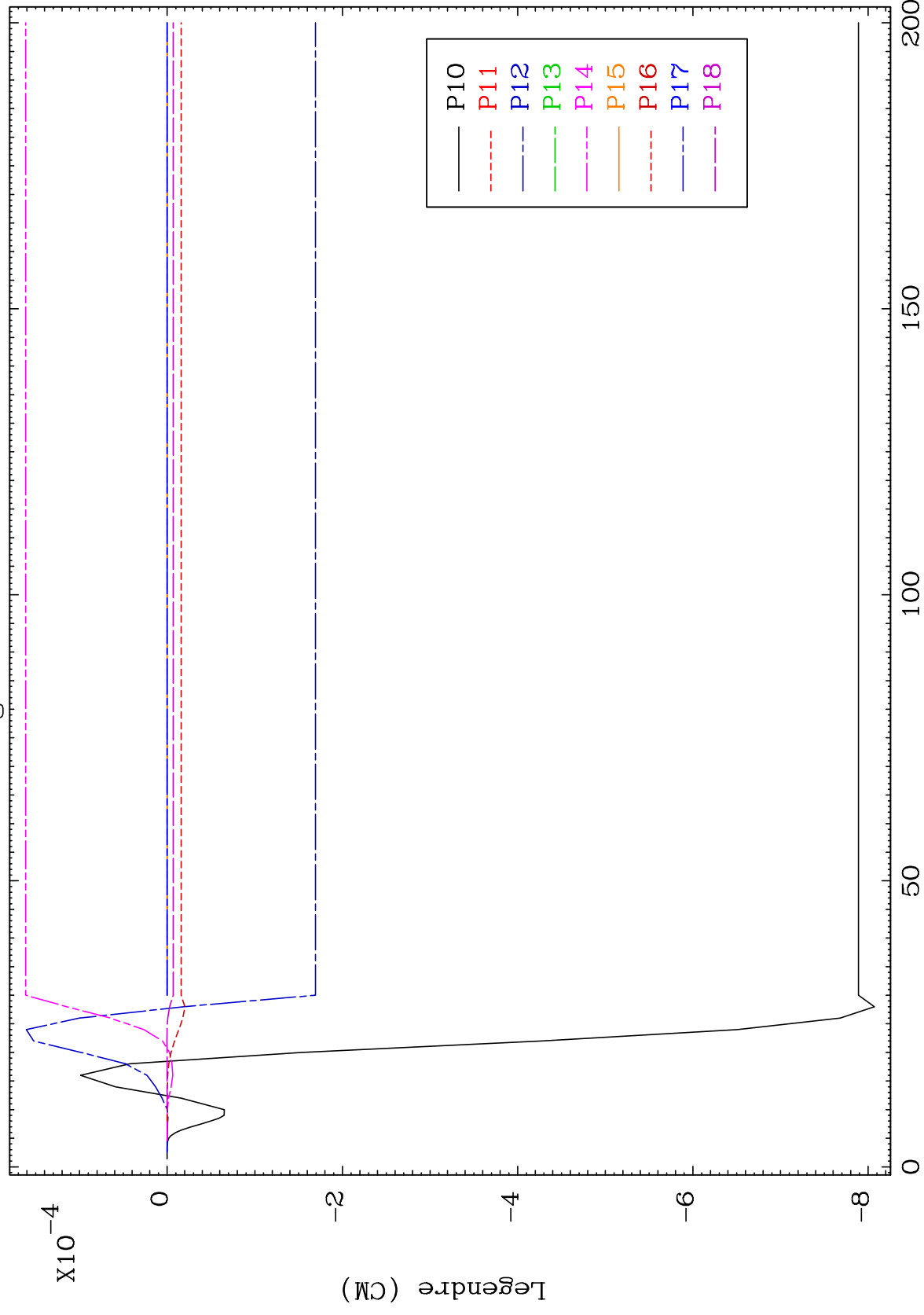
Incident Energy (MeV)

86

MAT 70777

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

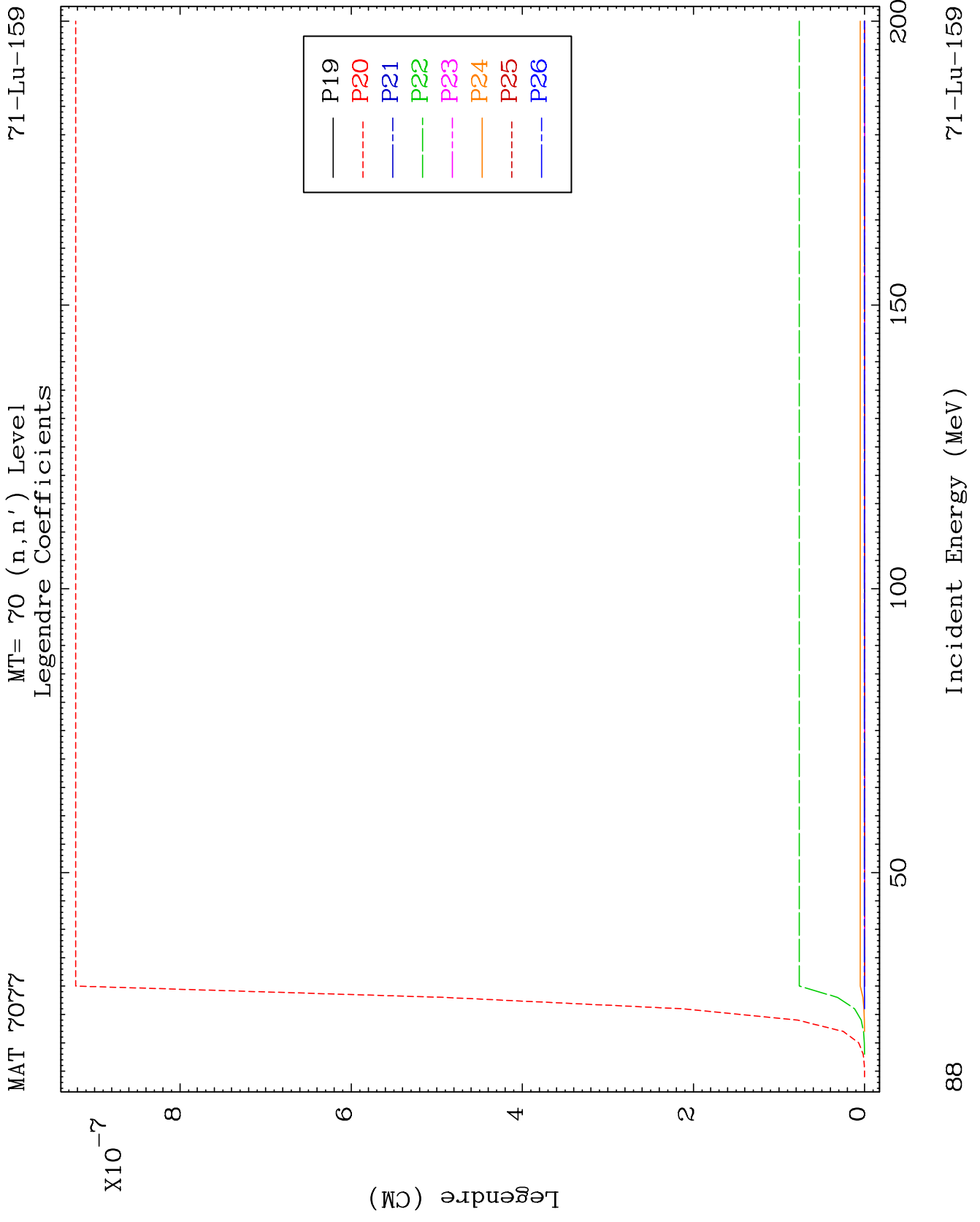
71-Lu-159



87

Incident Energy (MeV)

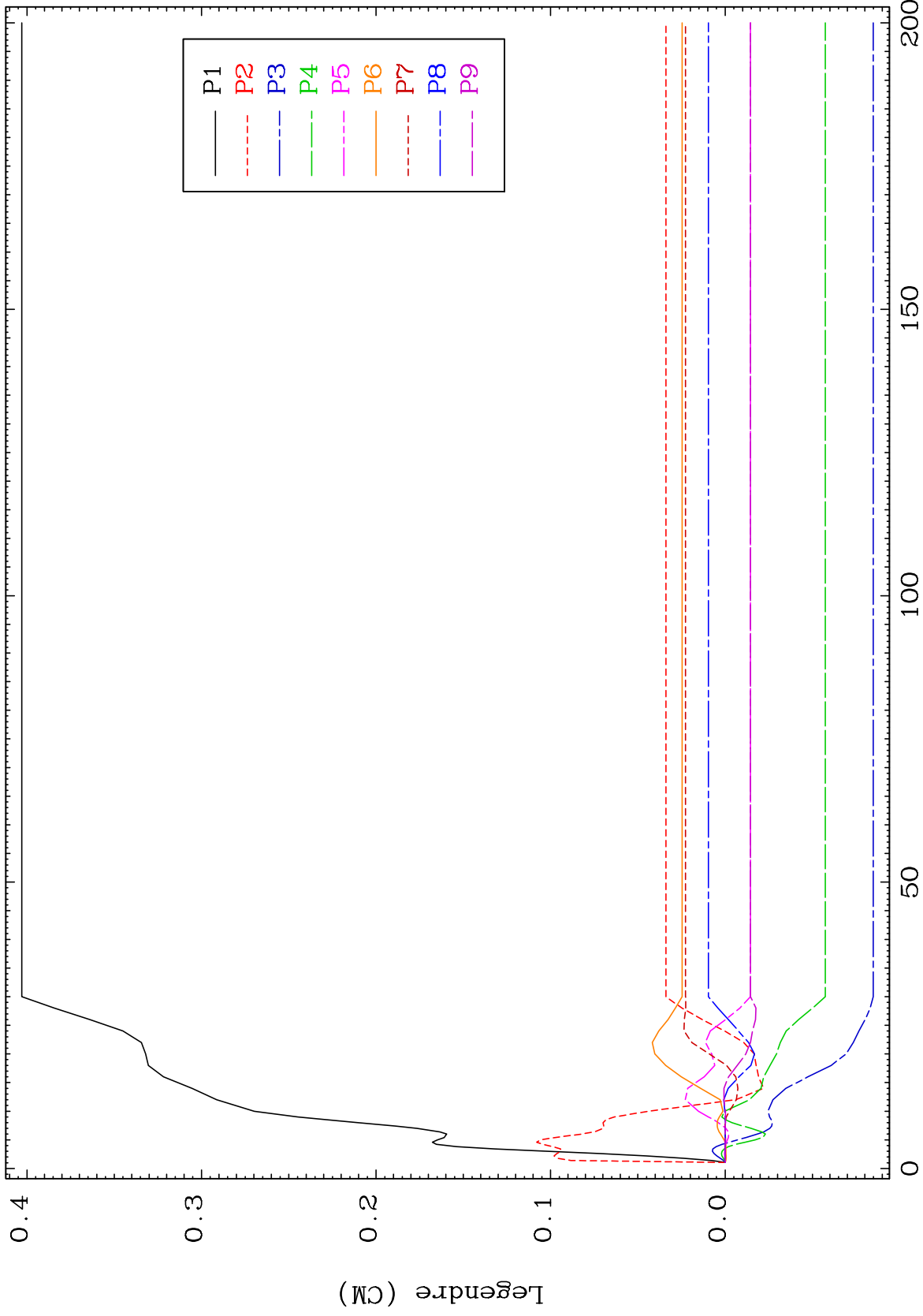
71-Lu-159



MAT 70777

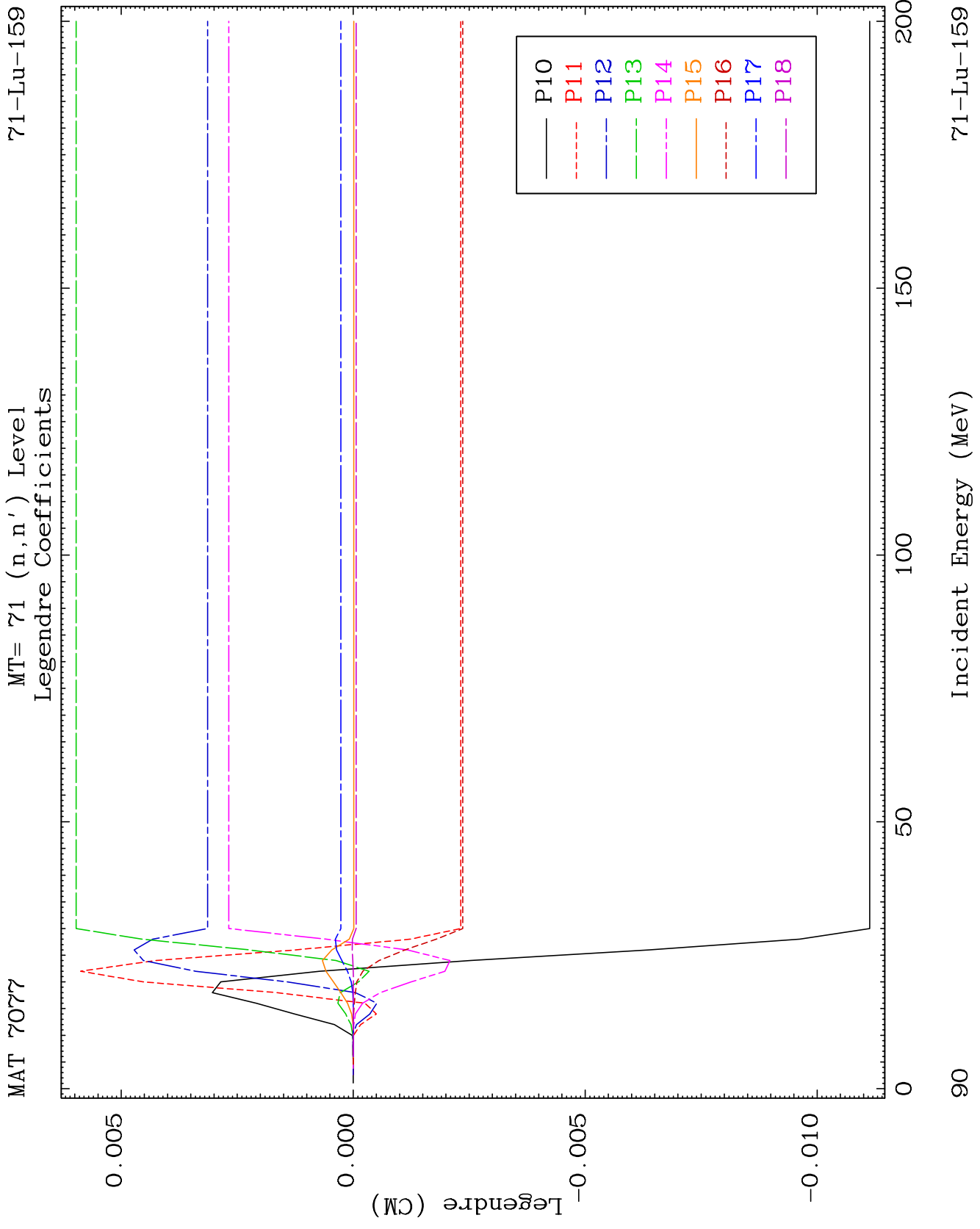
MT= 71 (n,n') Level
Legendre Coefficients

71-Lu-159



89

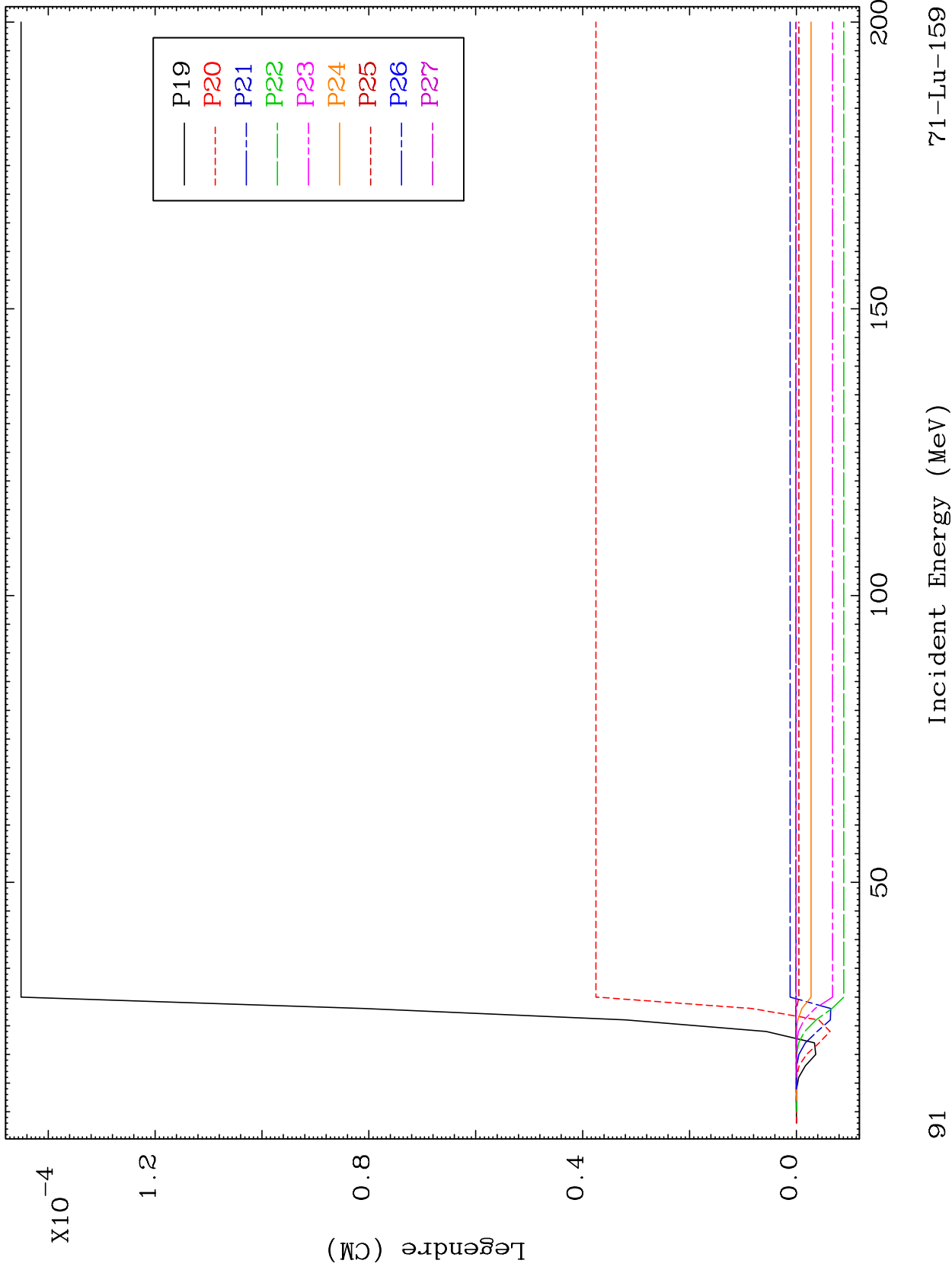
71-Lu-159



MAT 70777

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

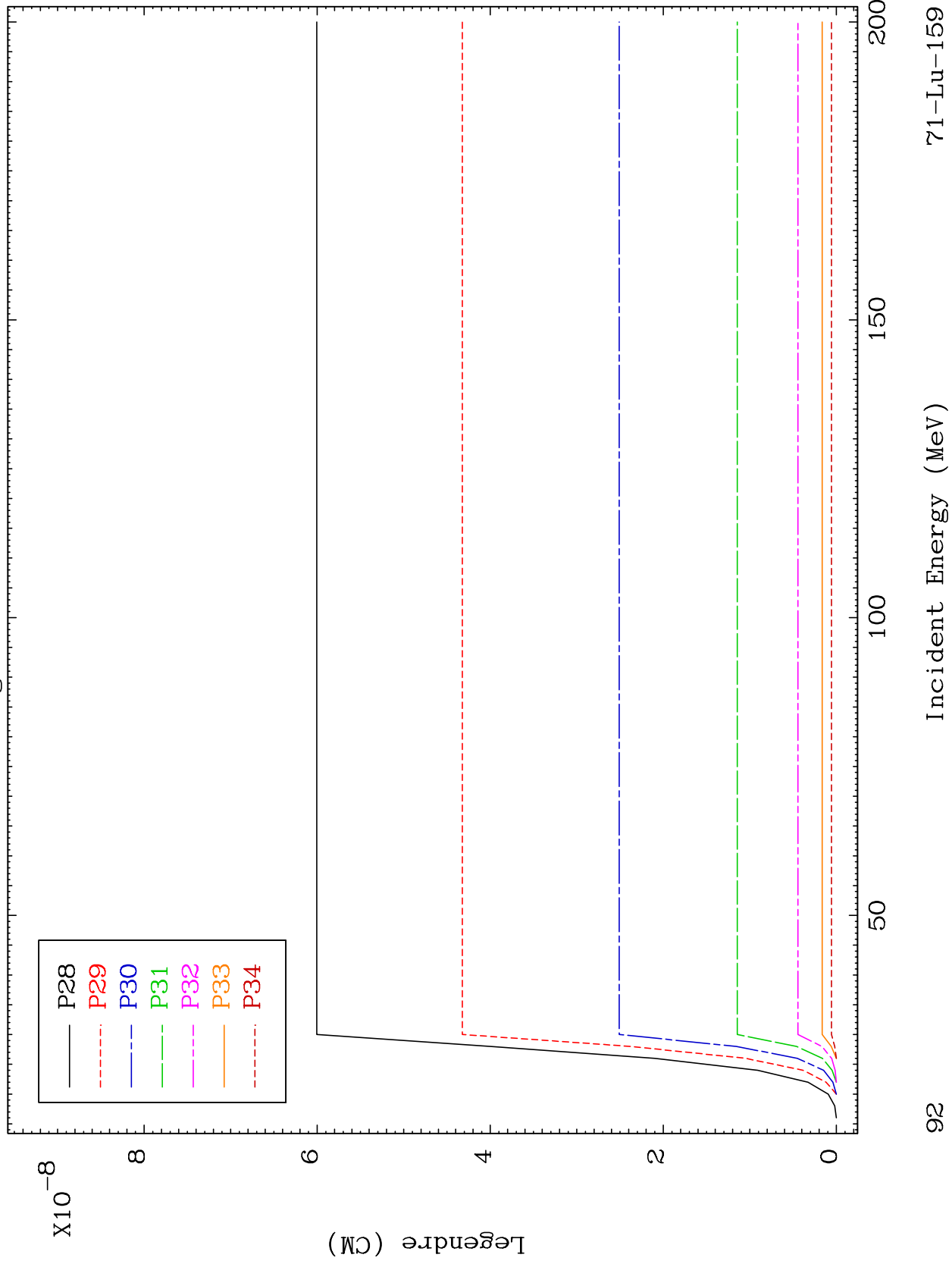
71-Lu-159

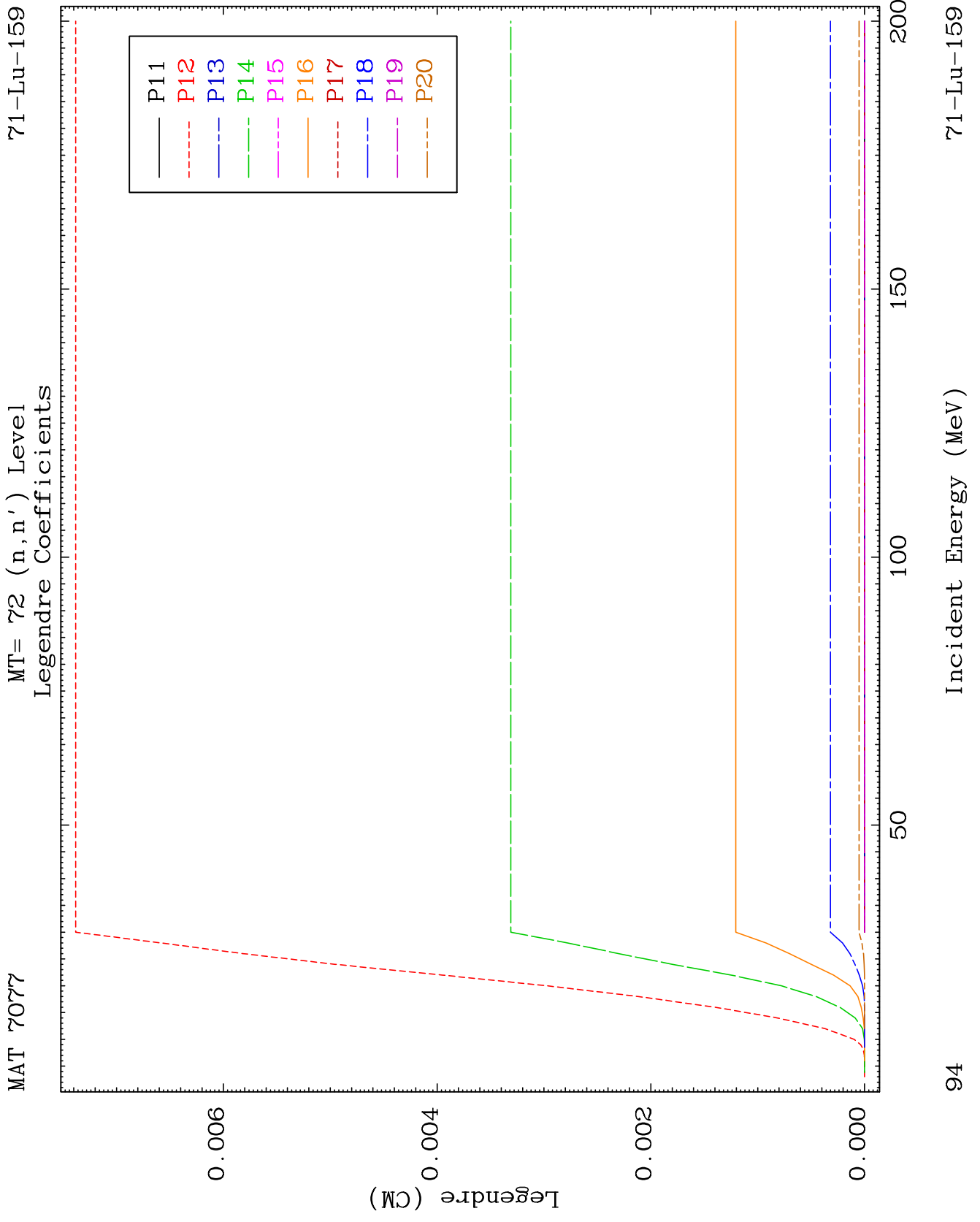


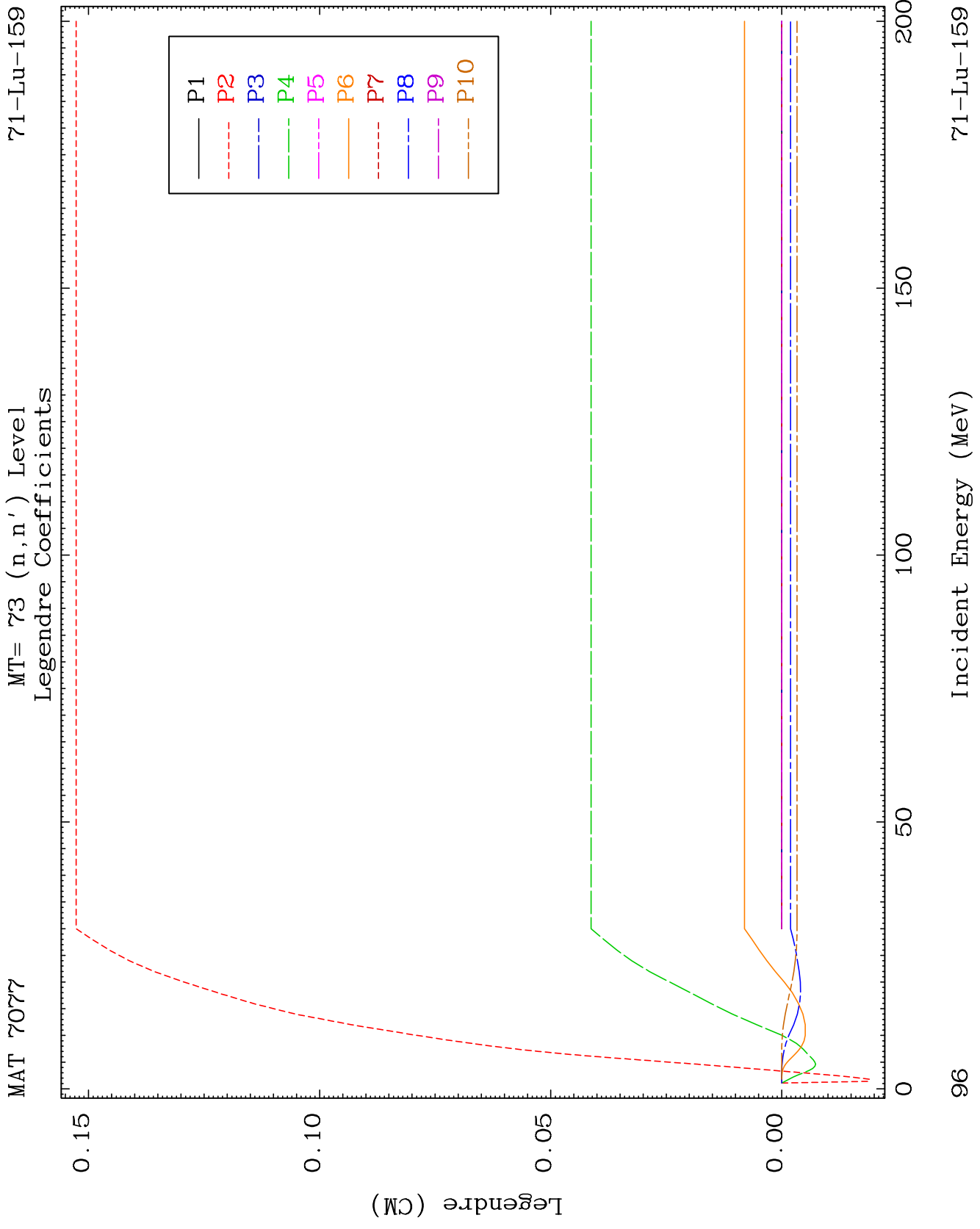
MAT 7077

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

71-Lu-159



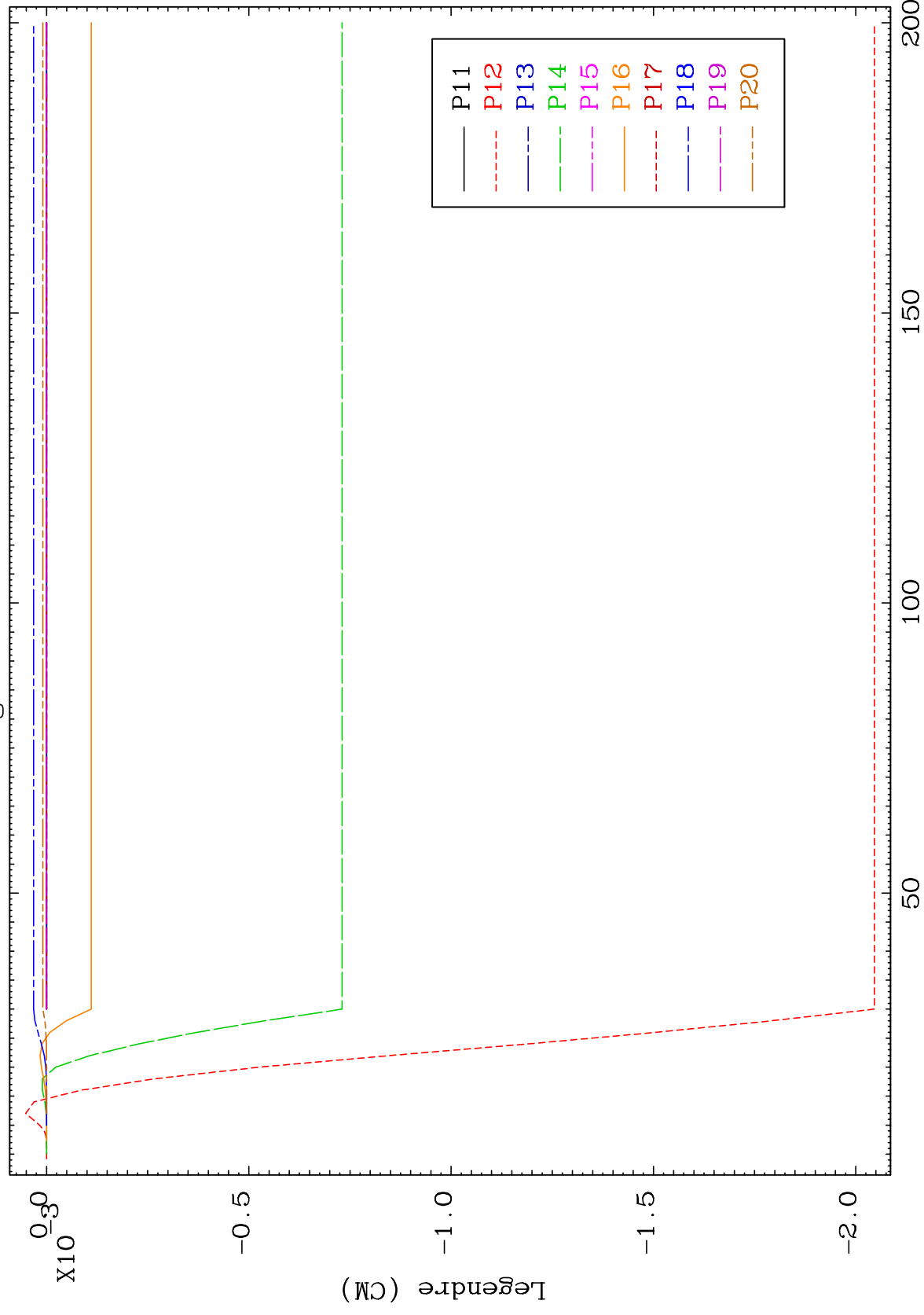


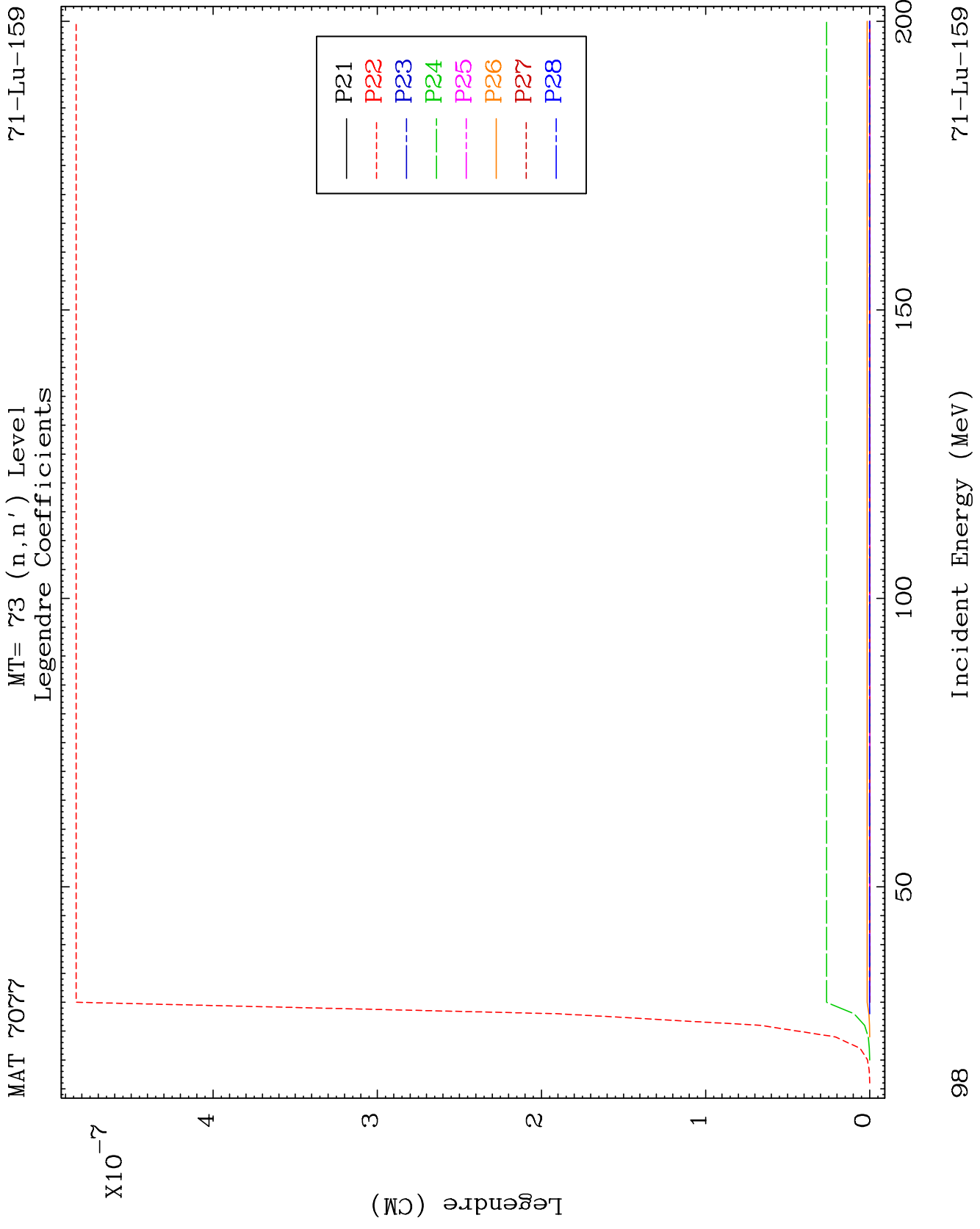


MAT 70777

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

71-Lu-159

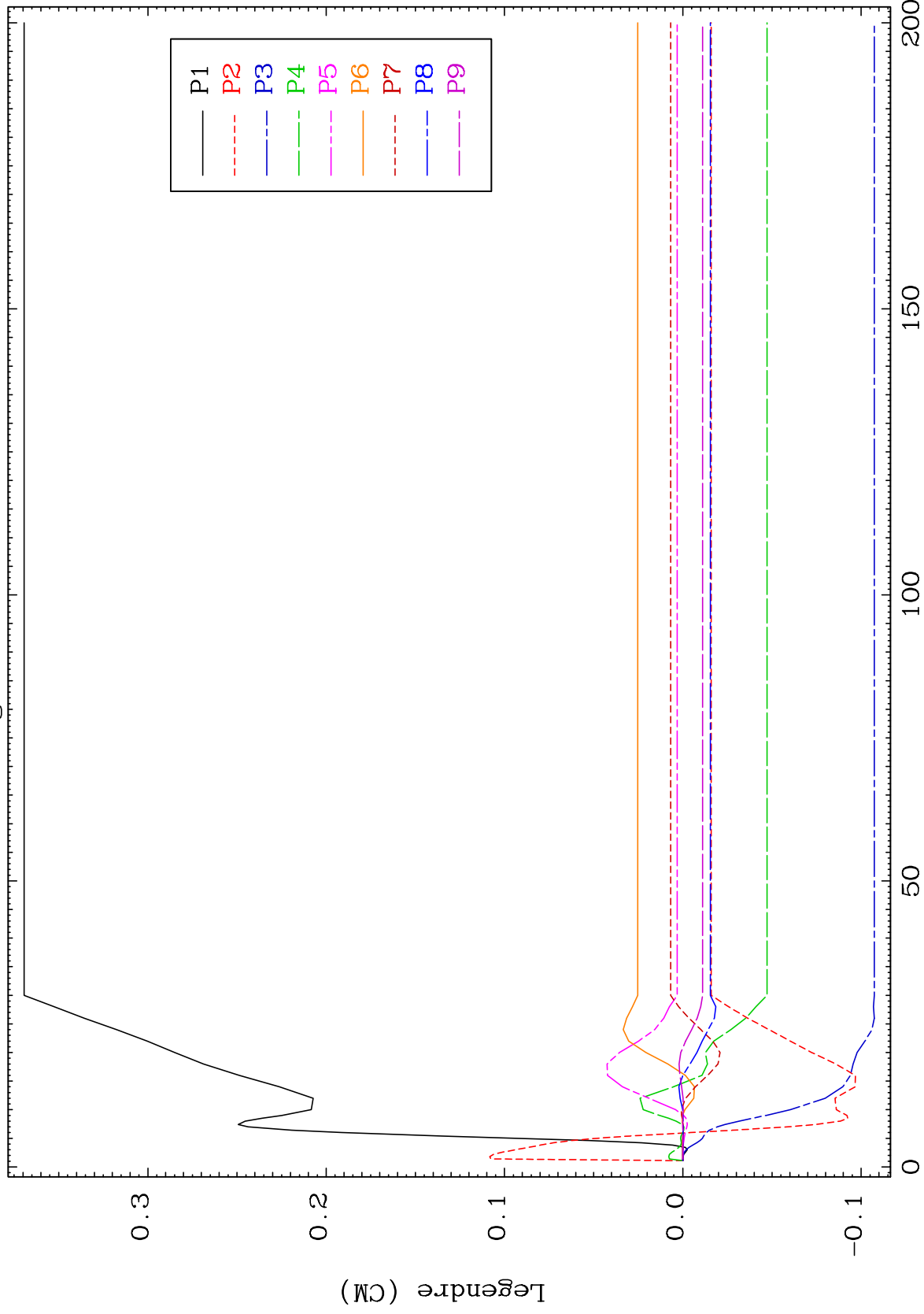




MAT 7077

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

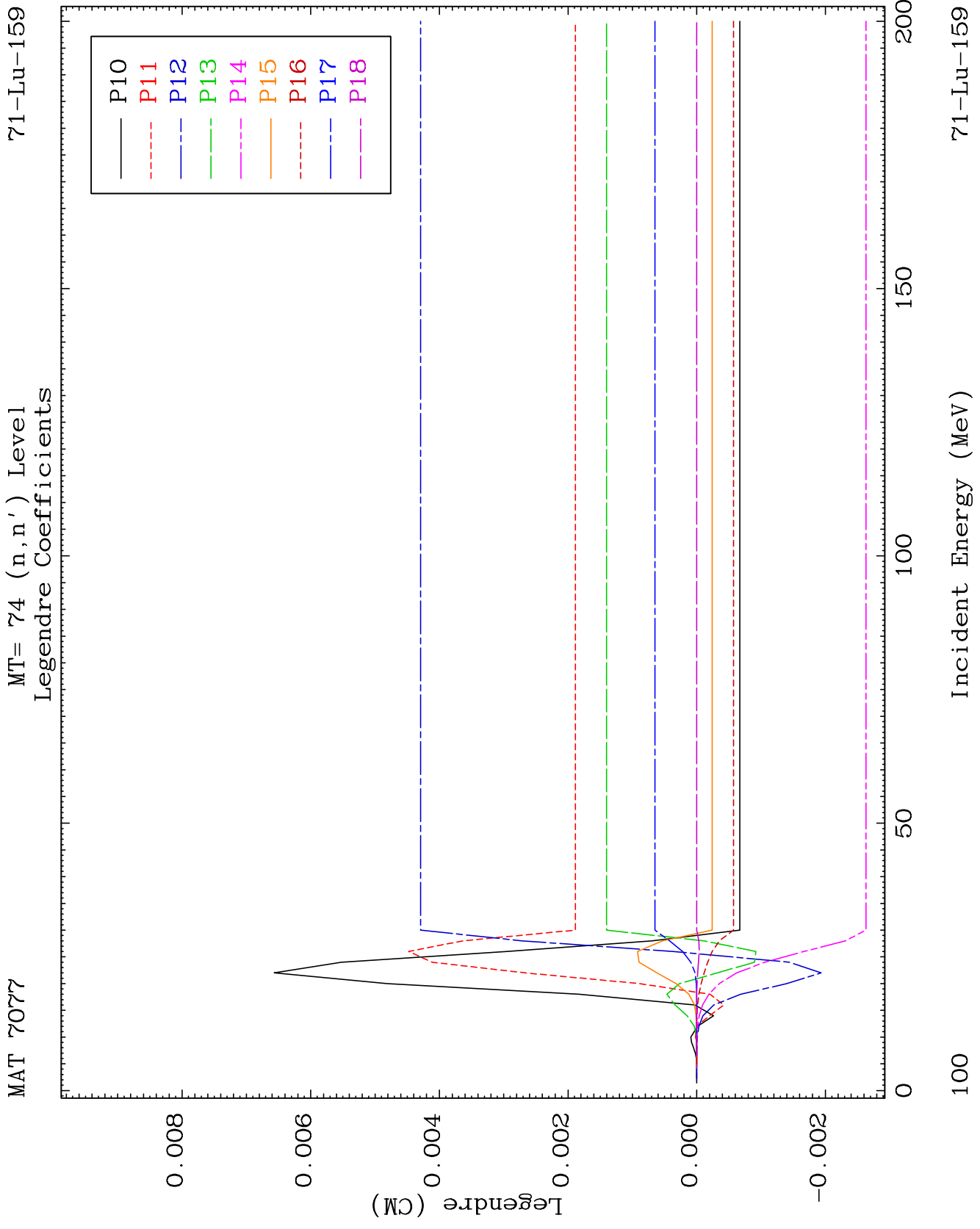
71-Lu-159



99

Incident Energy (MeV)

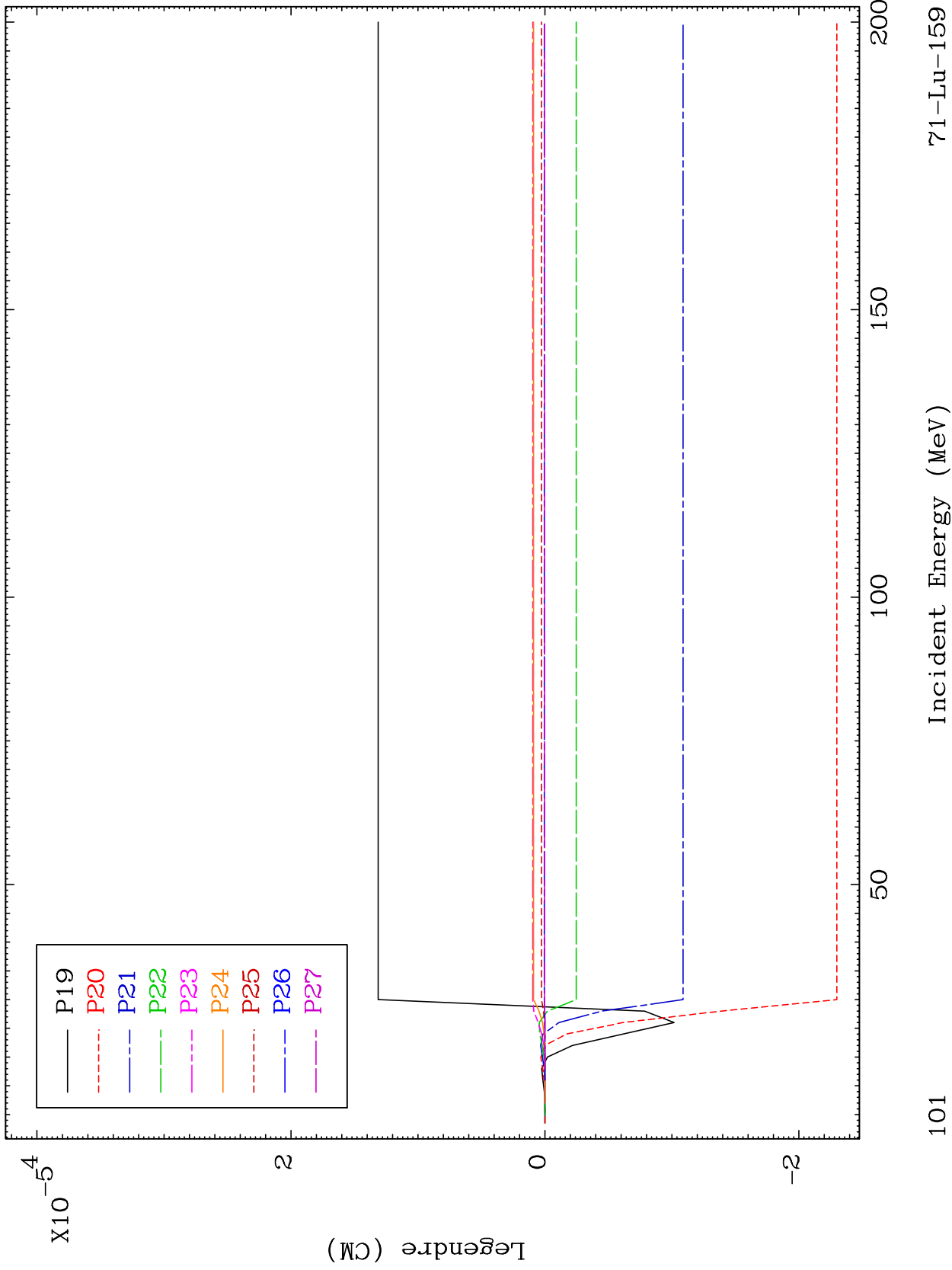
71-Lu-159



MAT 7077

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

71-Lu-159



101

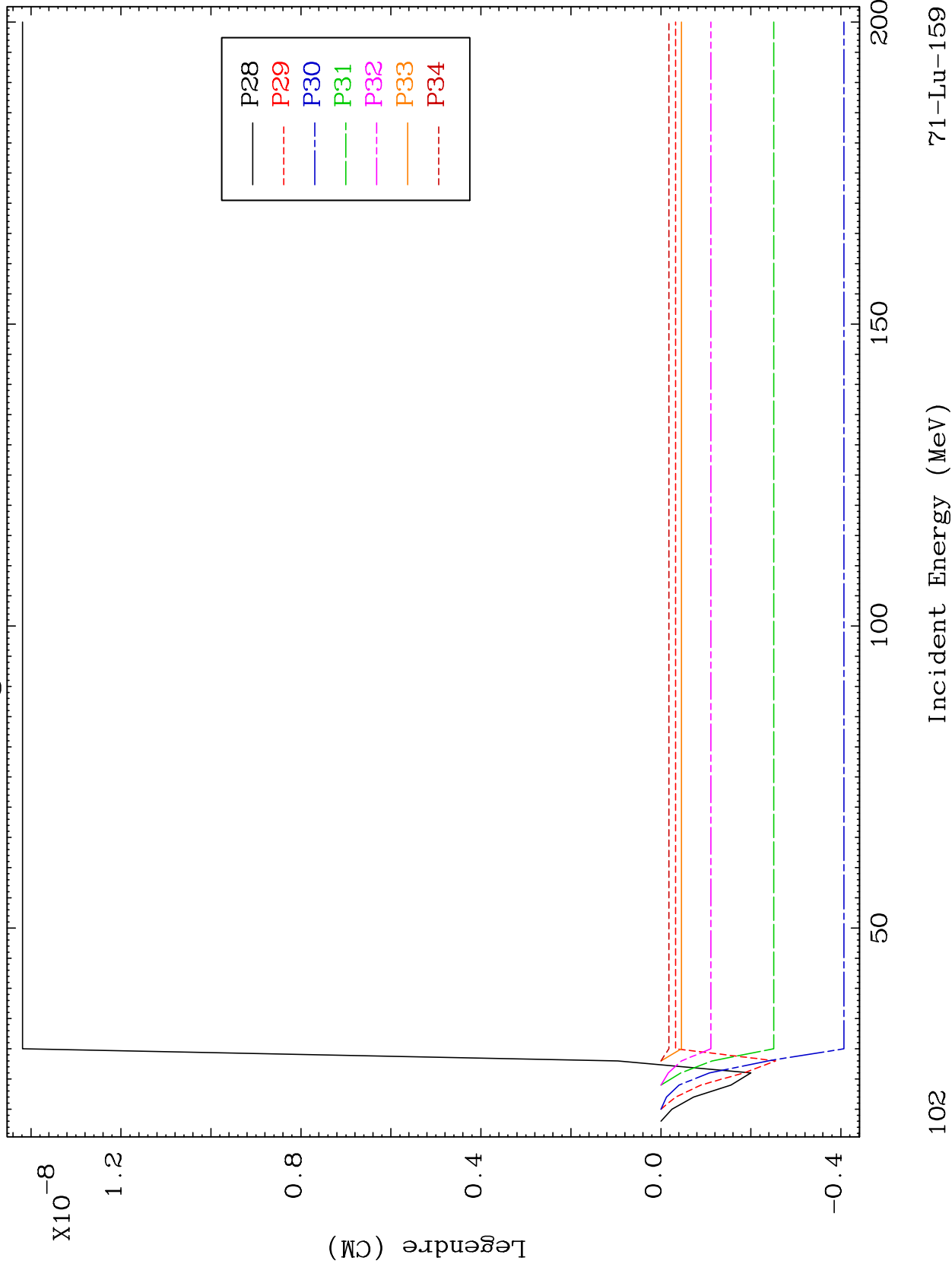
Incident Energy (MeV)

71-Lu-159

MAT 7077

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

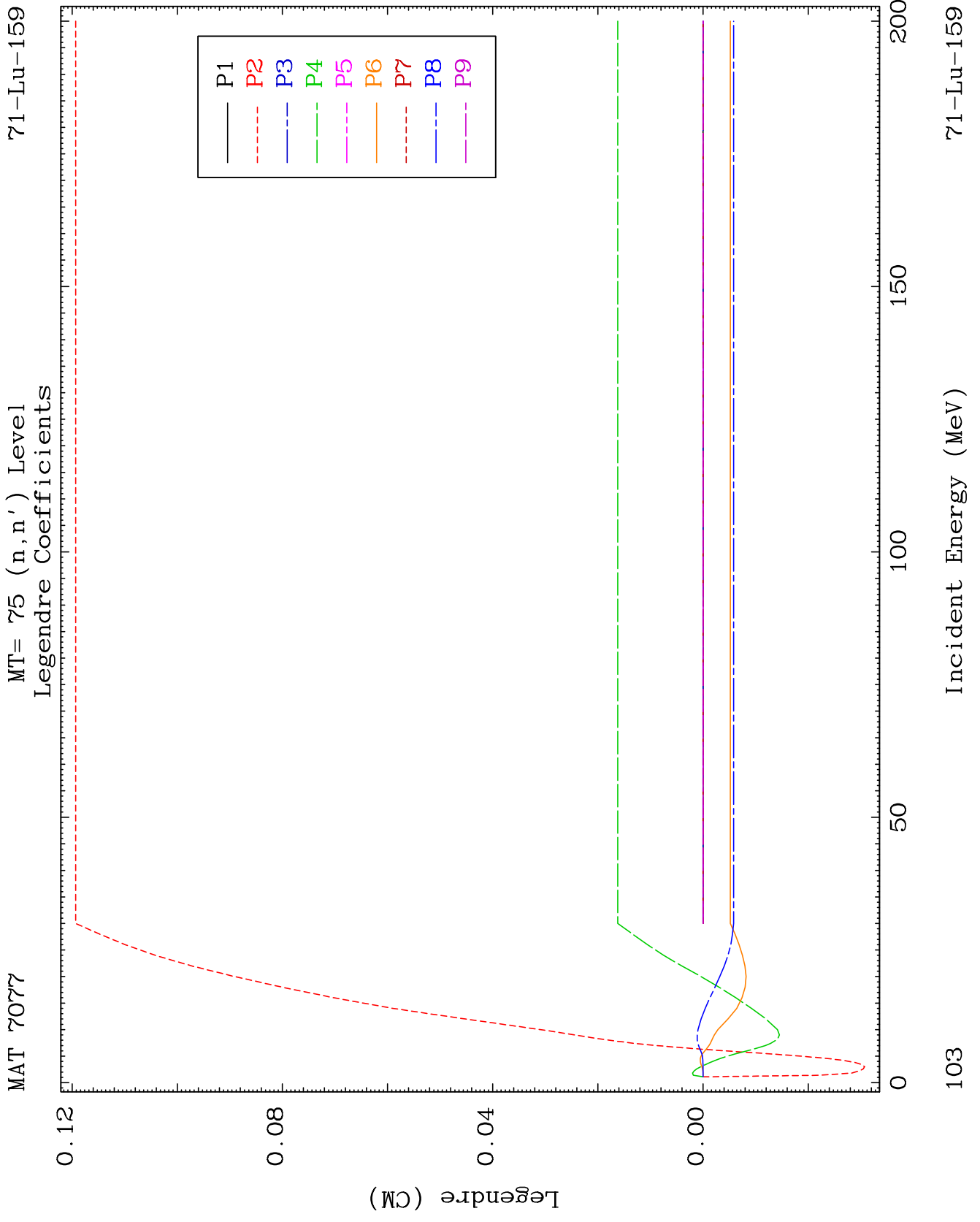
71-Lu-159



102

Incident Energy (MeV)

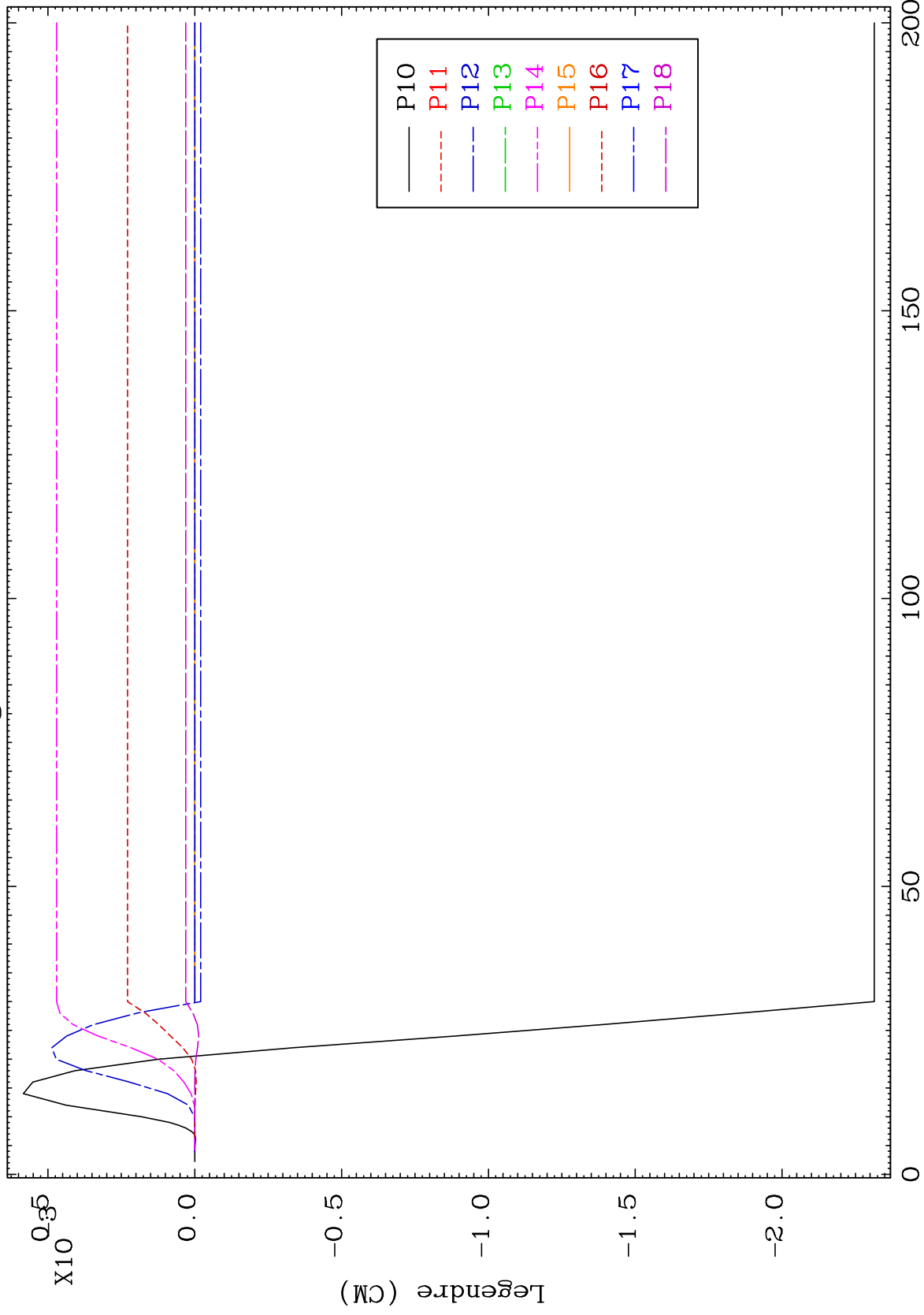
71-Lu-159



MAT 70777

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

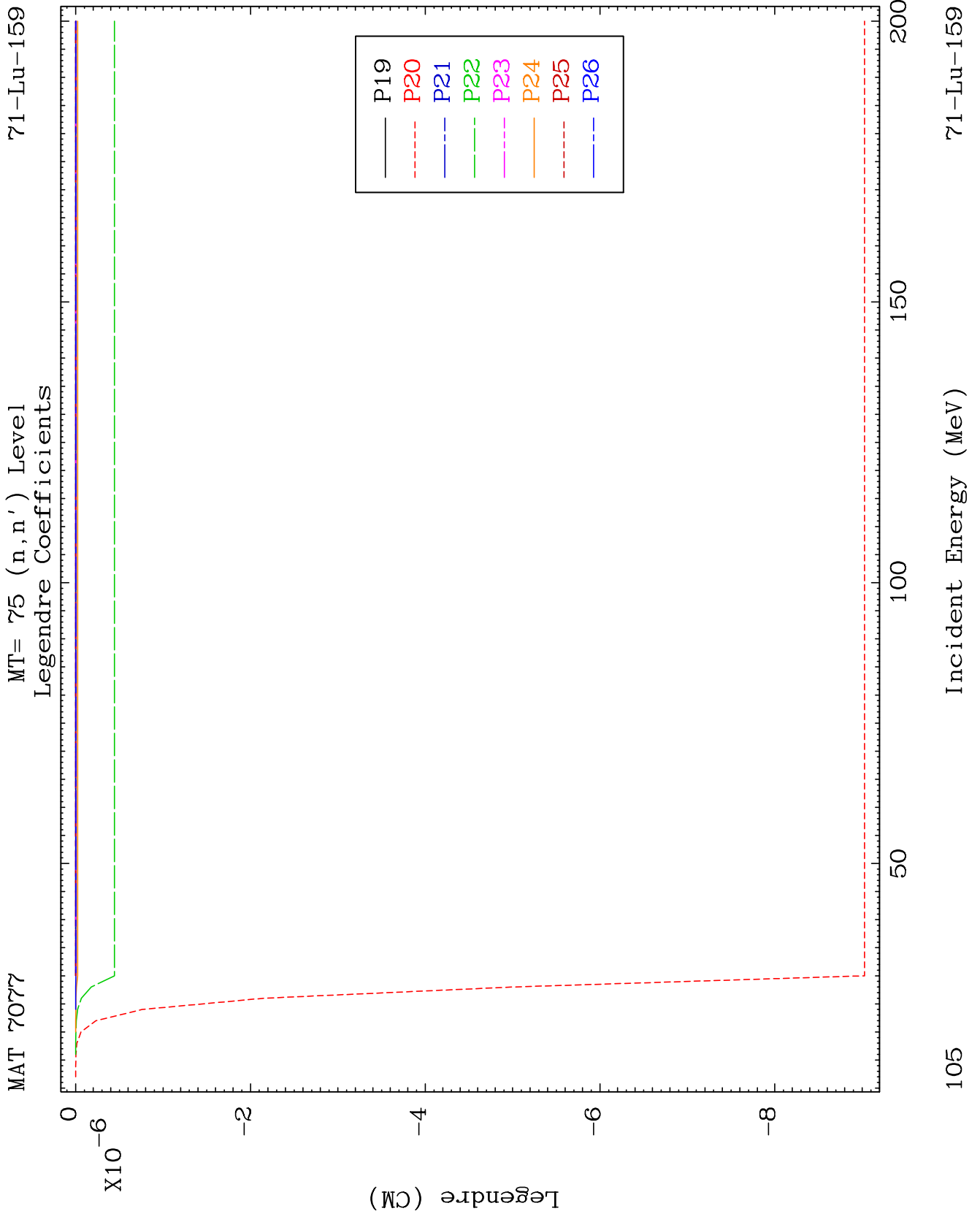
71-Lu-159



104

Incident Energy (MeV)

71-Lu-159

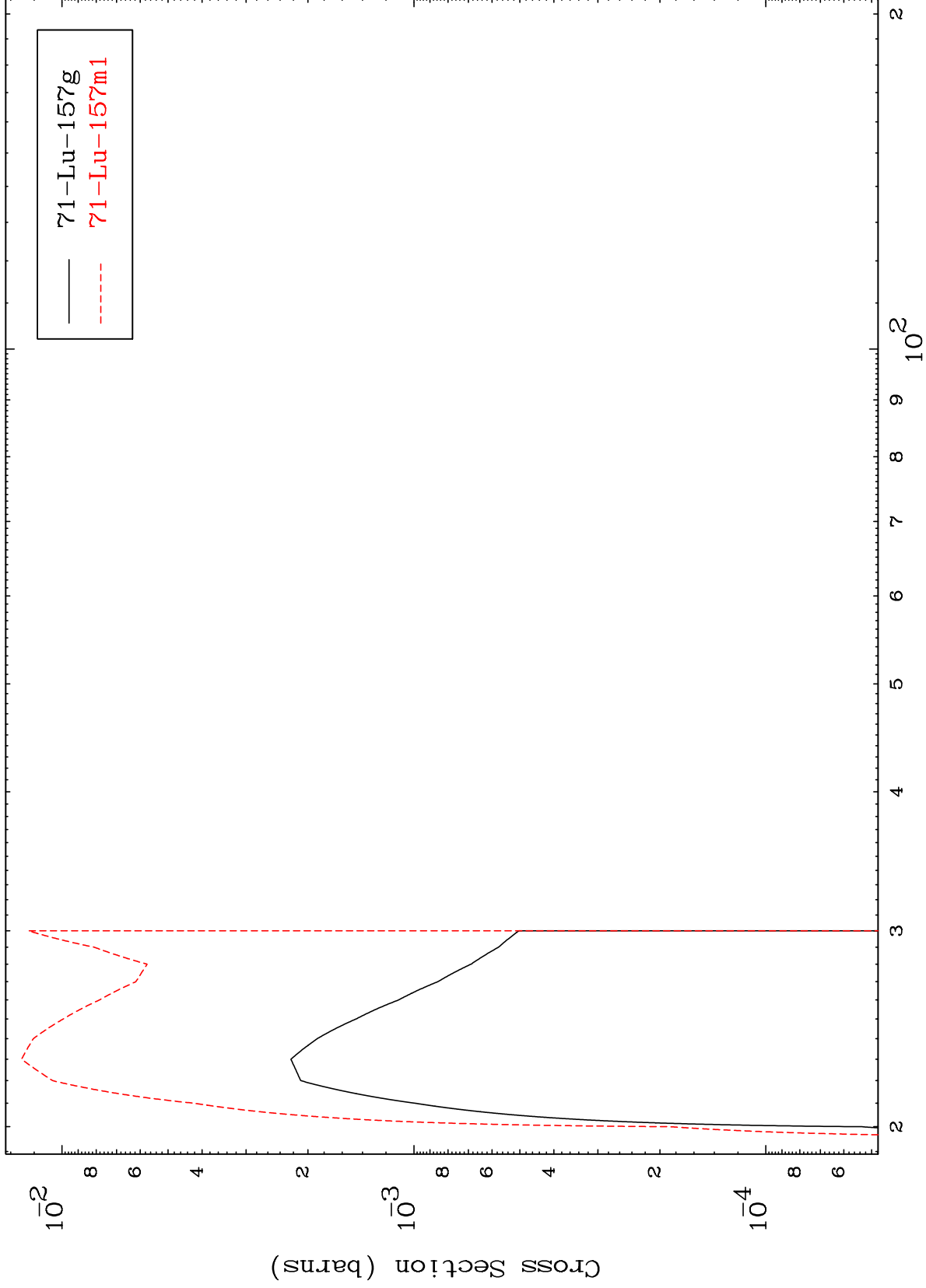


MAT 70777

(n,3n)

⁷¹Lu-159

Radionuclide Production Cross Section



106

Incident Energy (MeV)

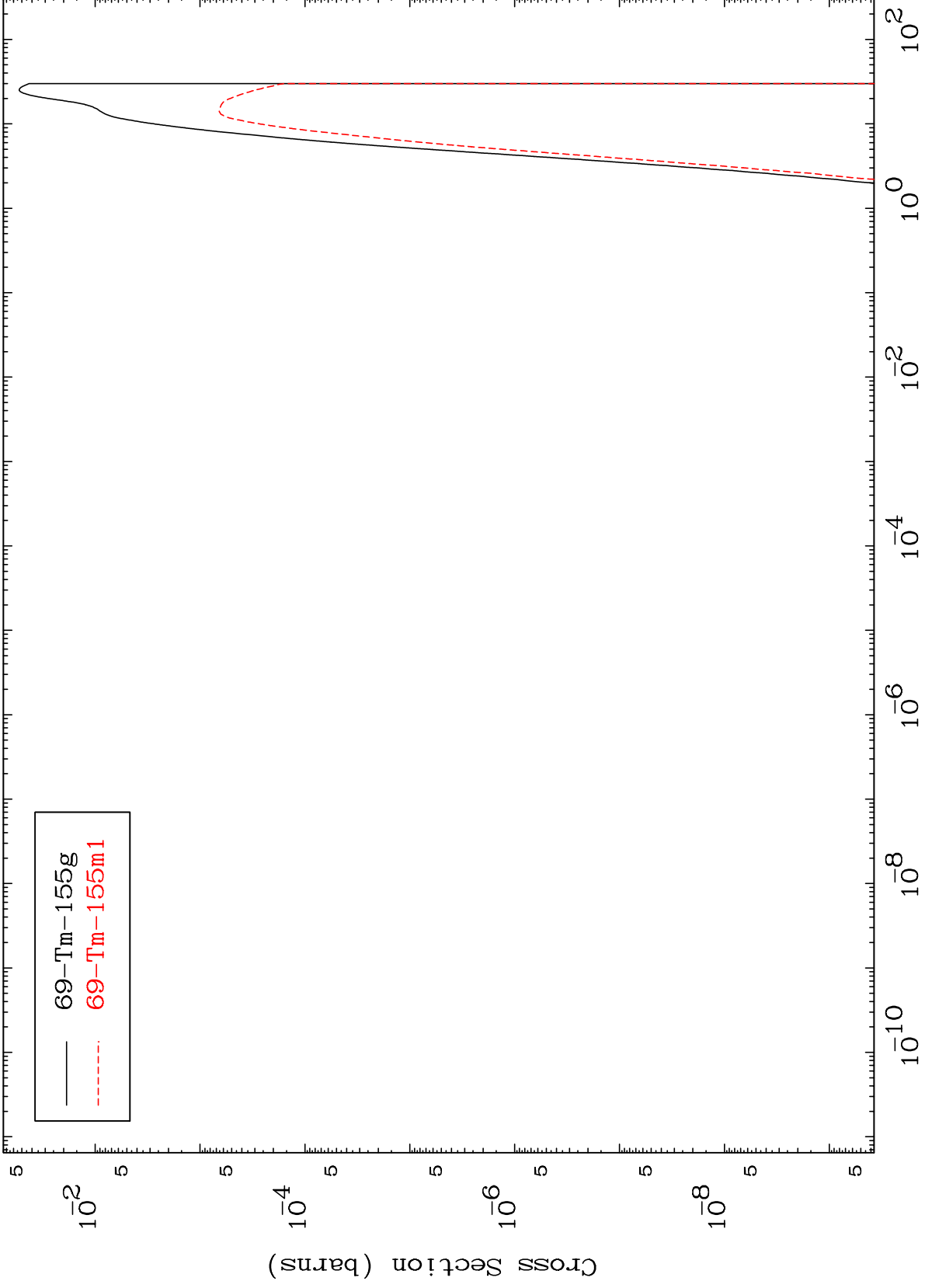
⁷¹Lu-159

MAT 7077

$(n, n') \alpha$

71-Lu-159

Radionuclide Production Cross Section



107

Incident Energy (MeV)

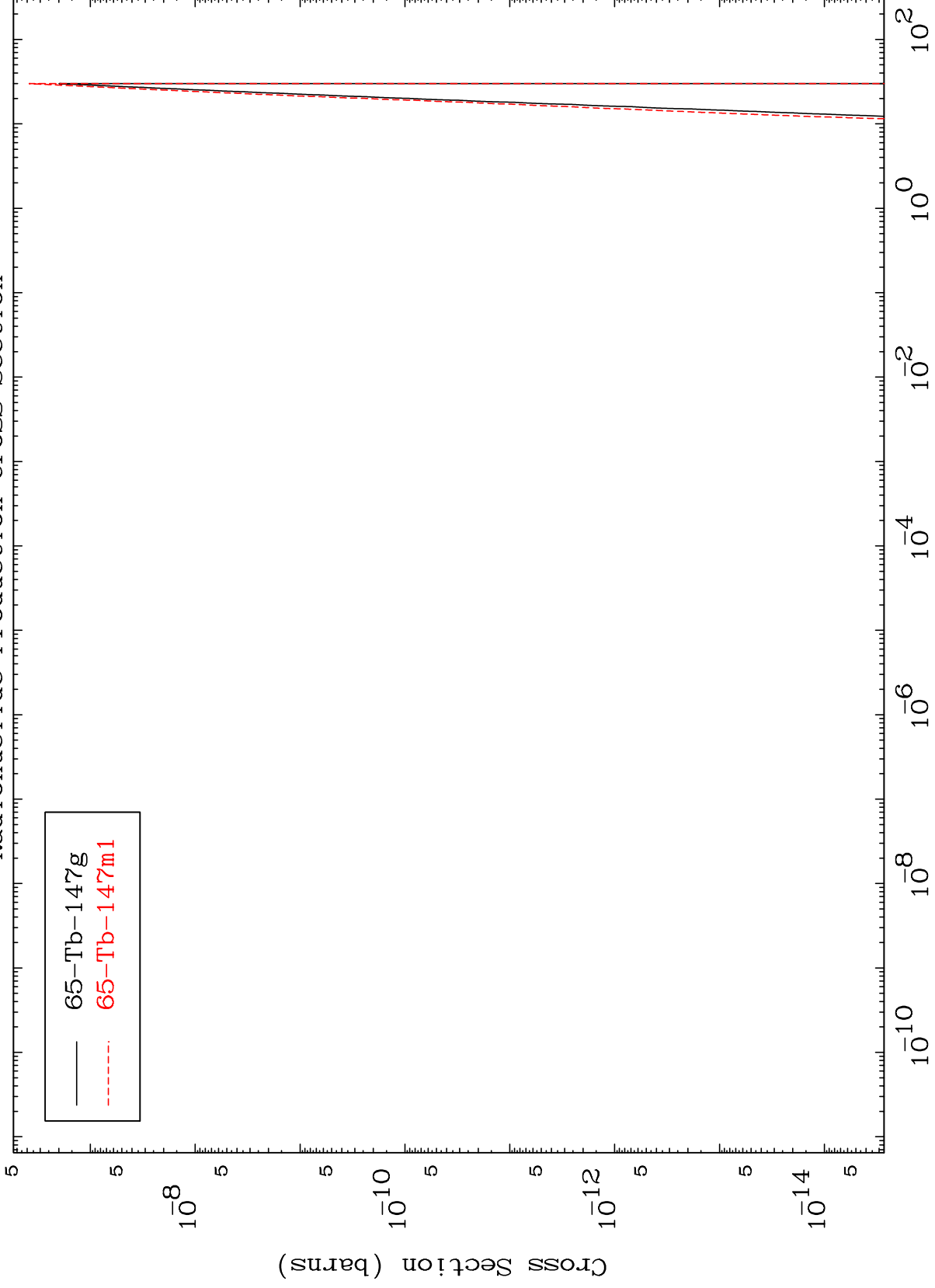
71-Lu-159

MAT 7077

(n,n') 3 α

⁷¹Lu-159

Radionuclide Production Cross Section



108

Incident Energy (MeV)

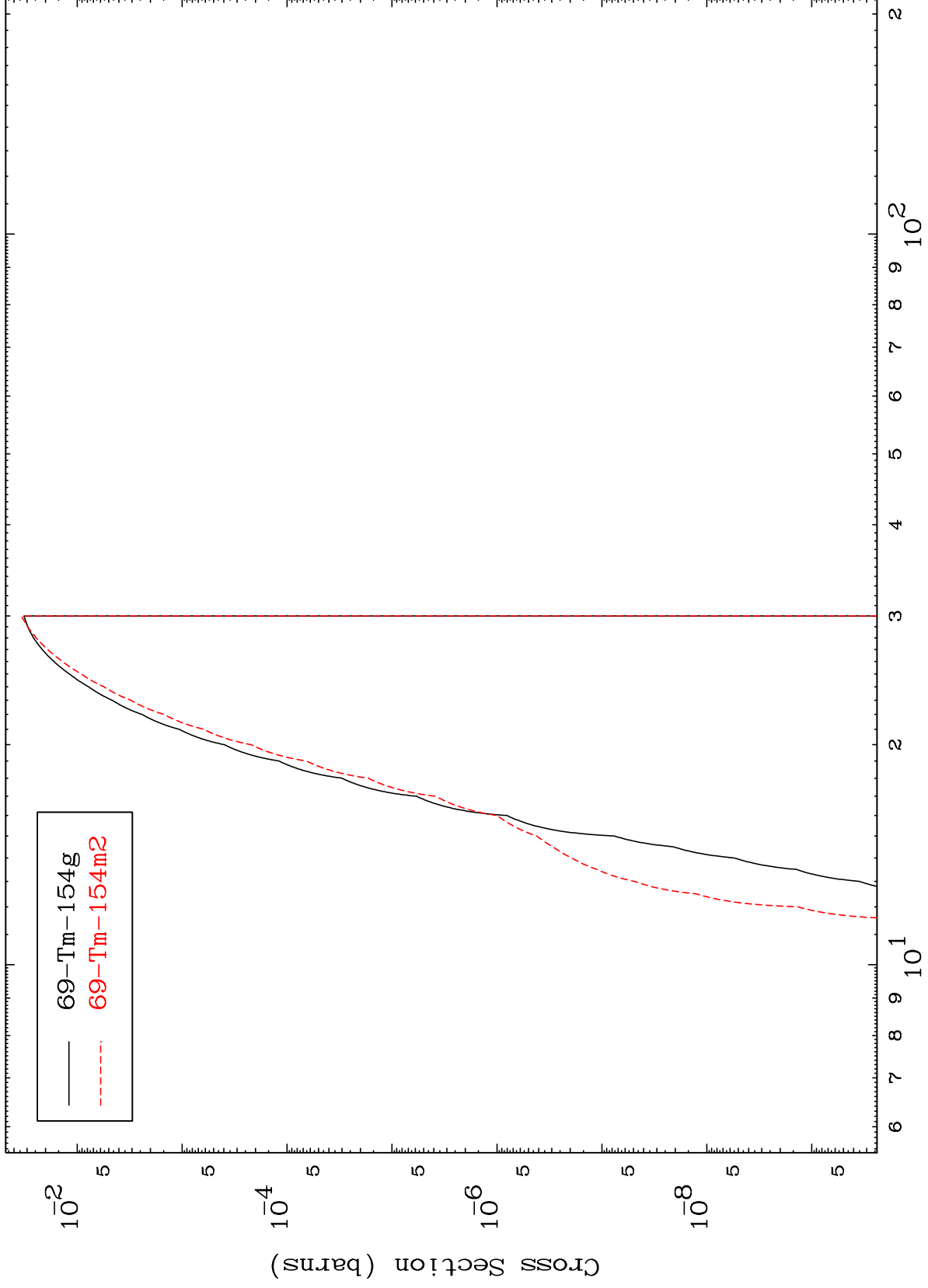
⁷¹Lu-159

MAT 7077

$(n,2n) \alpha$

71-Lu-159

Radionuclide Production Cross Section

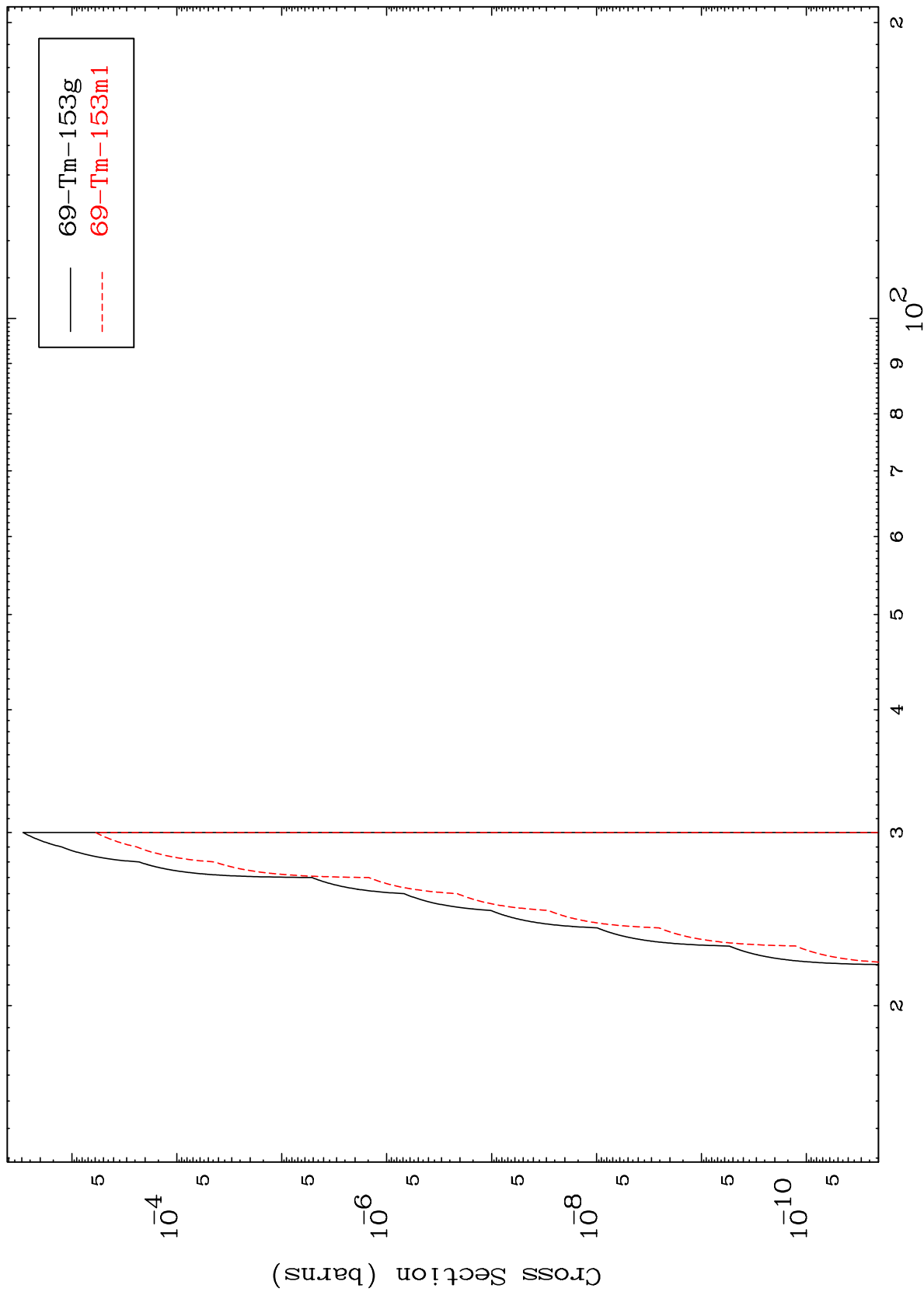


109

Incident Energy (MeV)

71-Lu-159

Radionuclide Production Cross Section

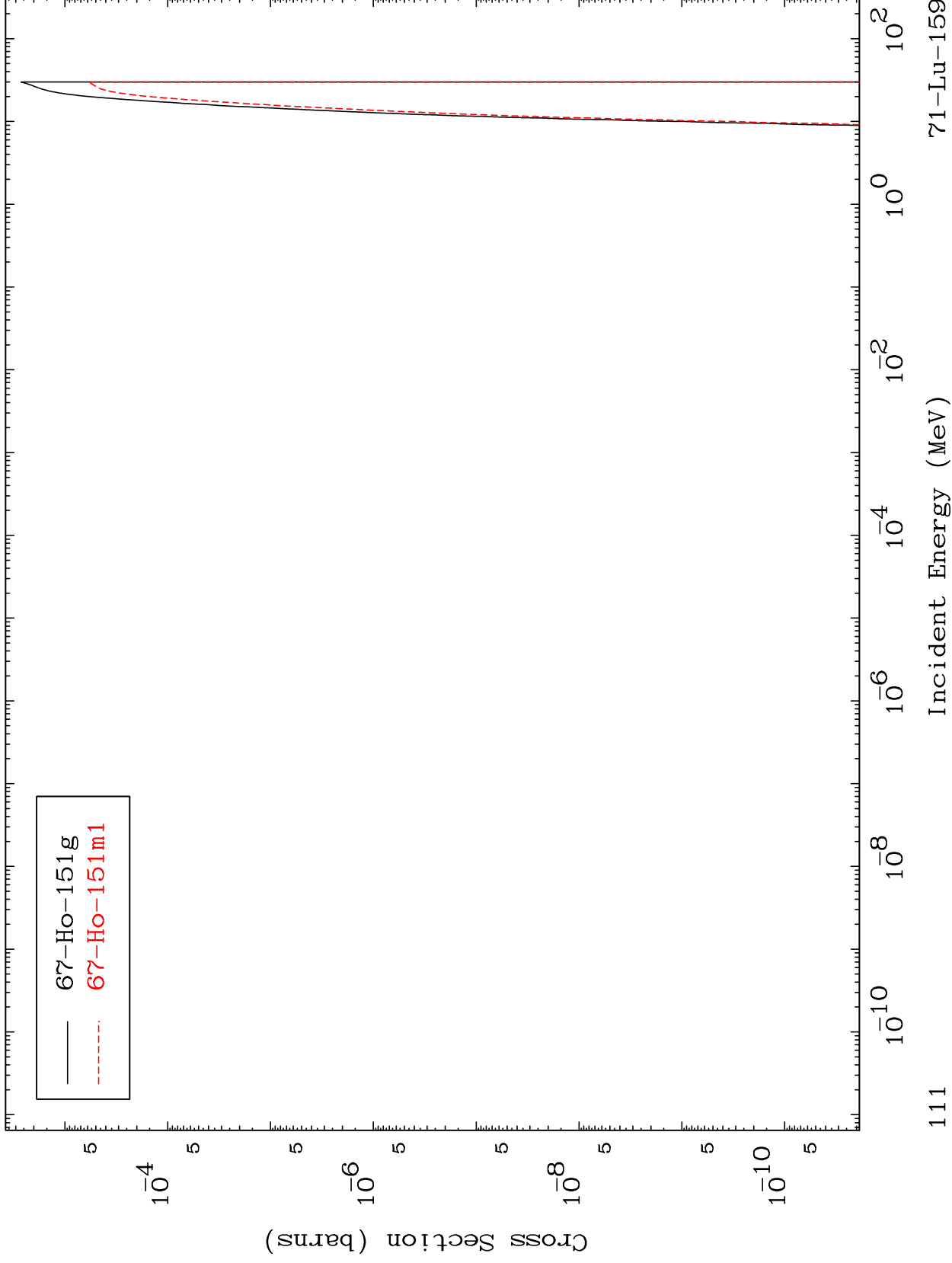


MAT 7077

(n,n') 2α

71-Lu-159

Radionuclide Production Cross Section



111

Incident Energy (MeV)

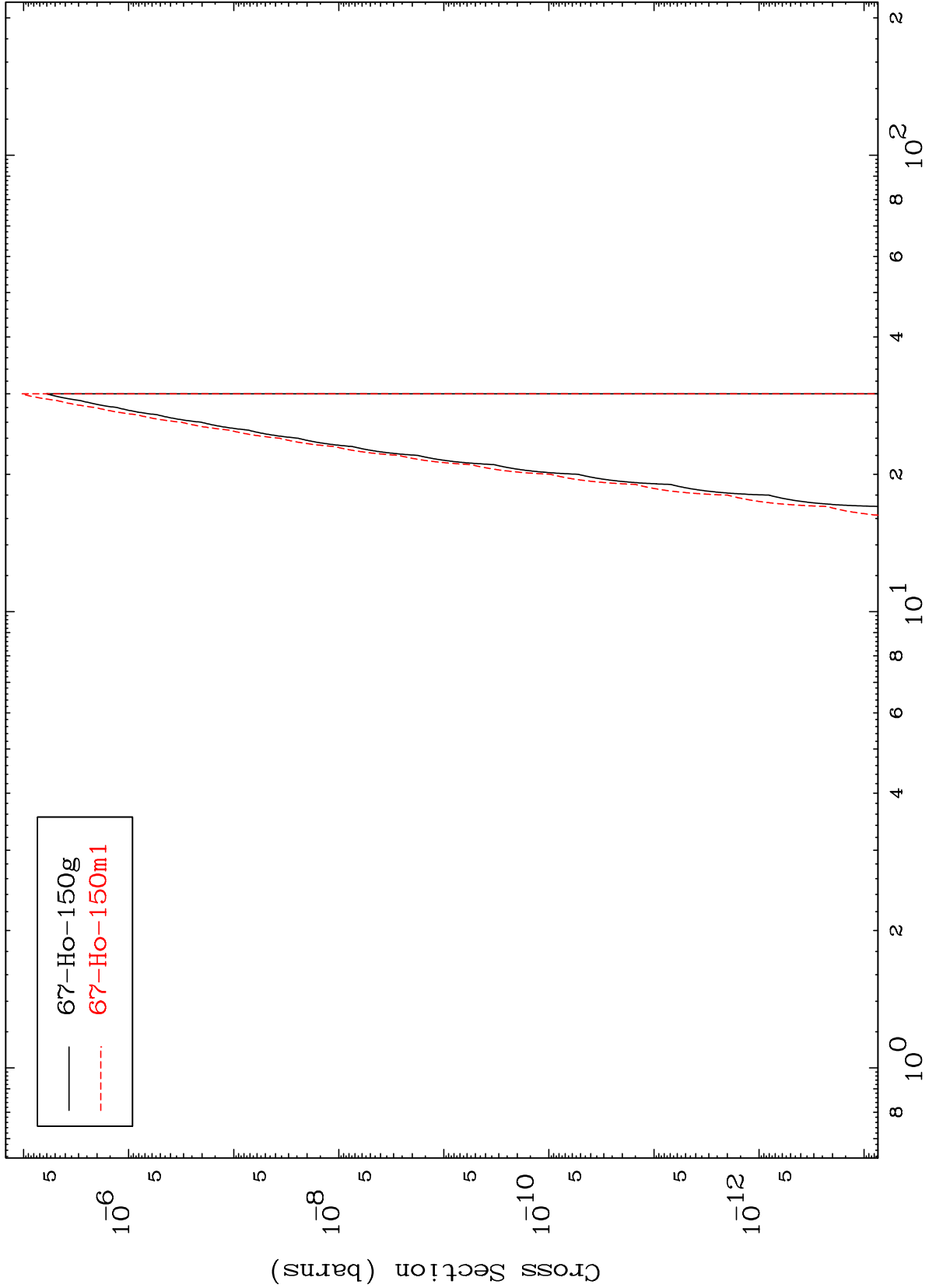
71-Lu-159

MAT 70777

(n,2n) 2α

71-Lu-159

Radionuclide Production Cross Section



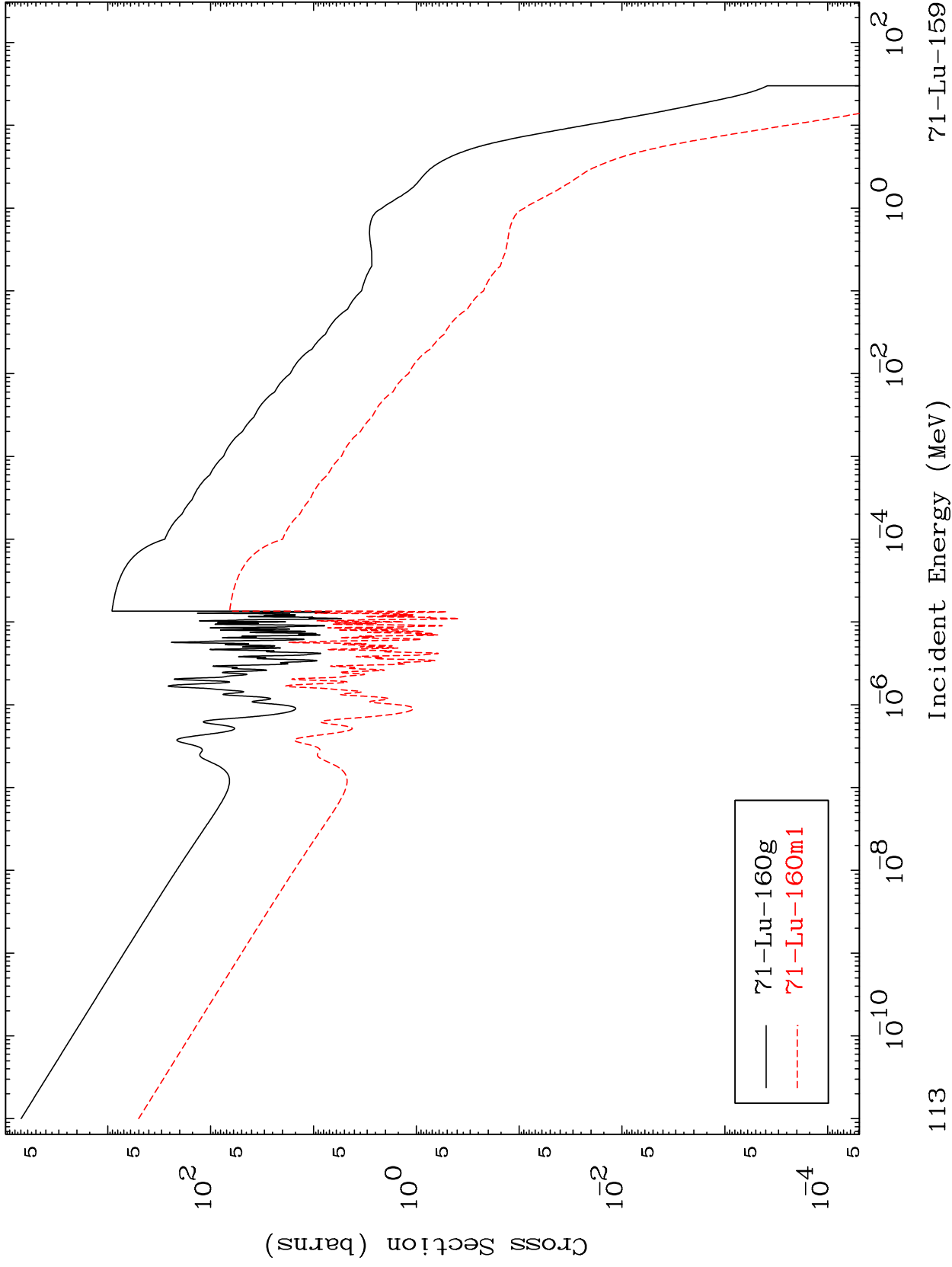
67Ho-150g
67Ho-150m1

MAT 70777

⁷¹Lu-159

Radionuclide Production Cross Section

(n,γ)



113

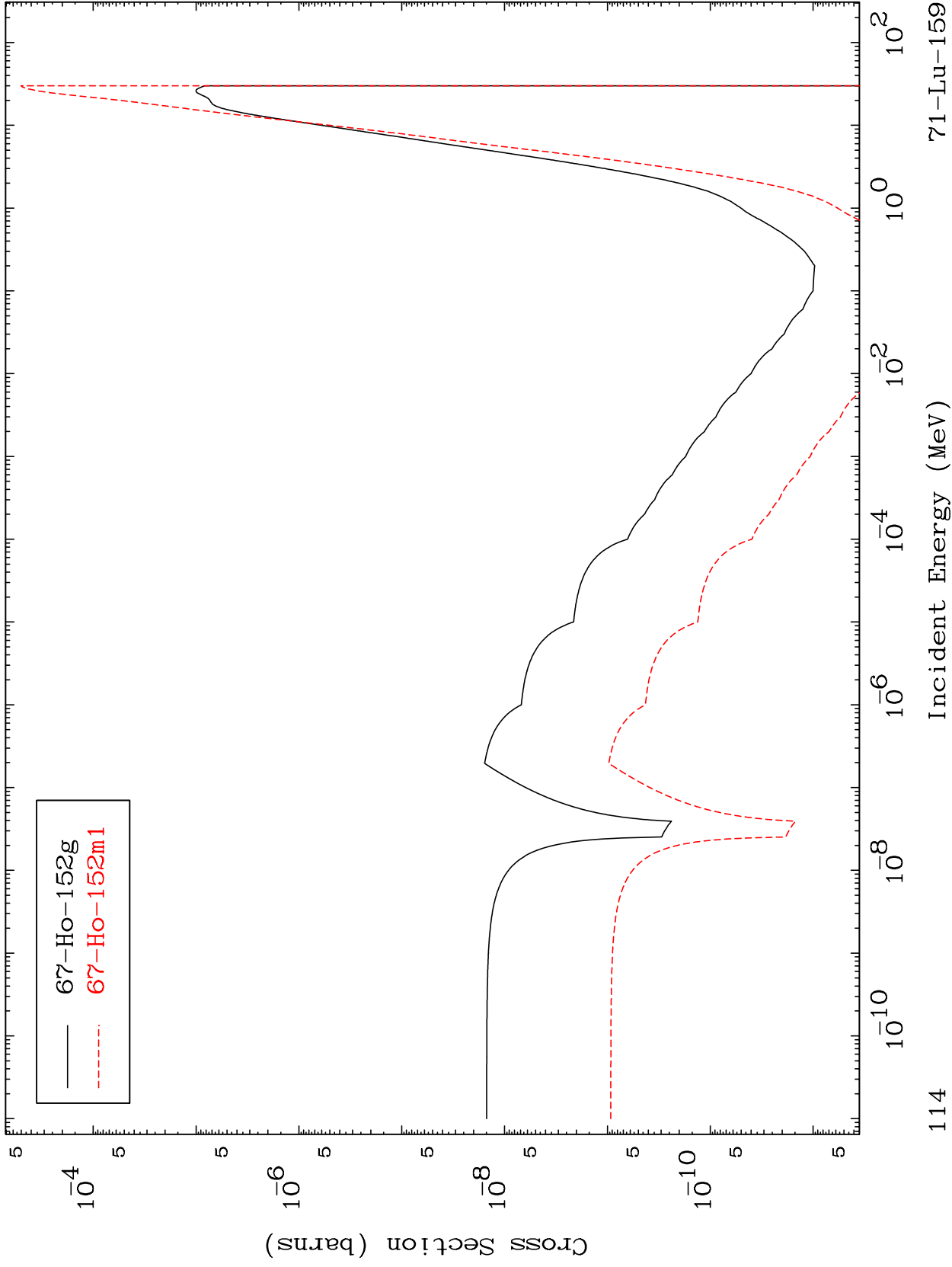
⁷¹Lu-159

MAT 7077

(n,2α)

71-Lu-159

Radionuclide Production Cross Section



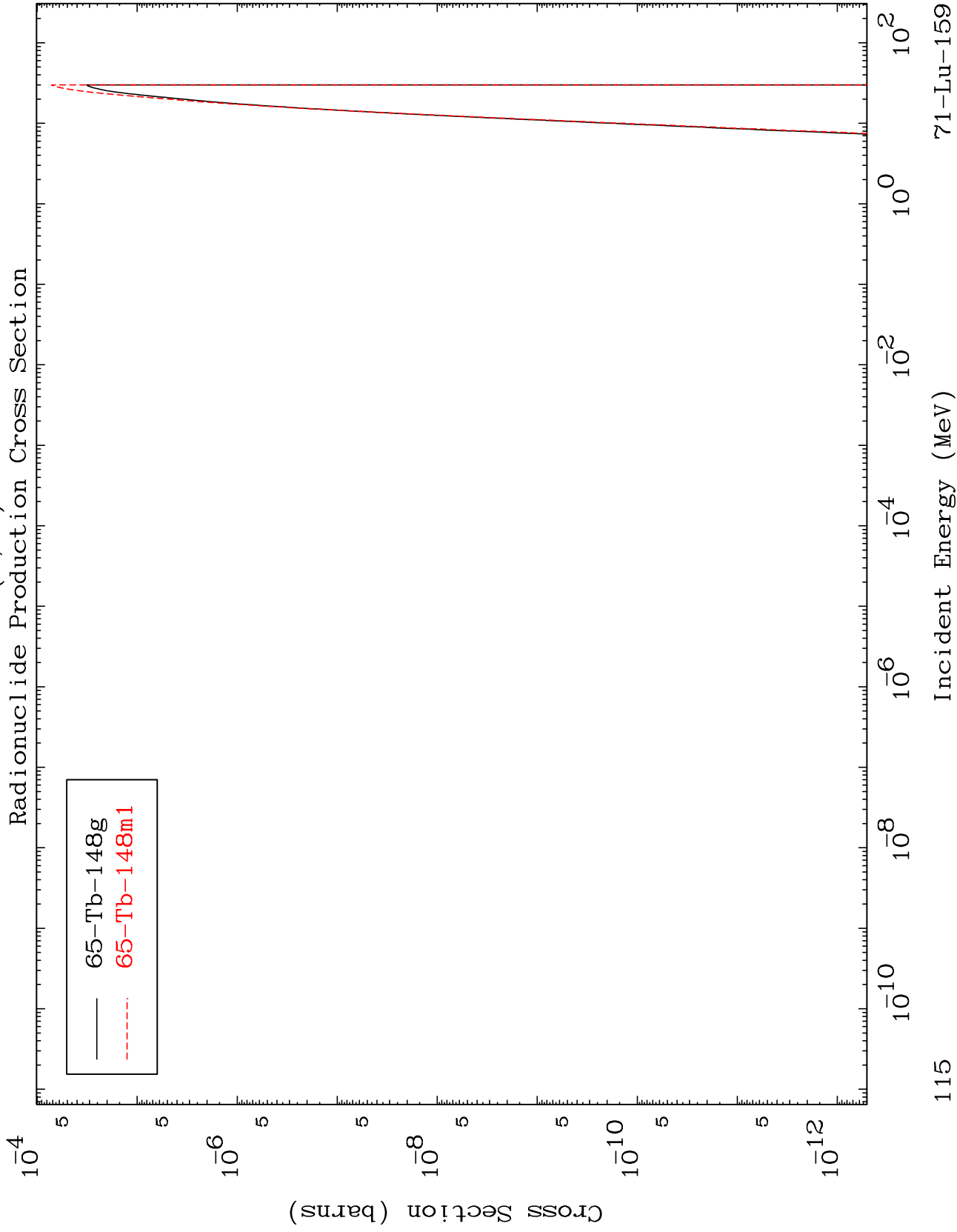
— 67-Ho-152g
- - - 67-Ho-152m1

MAT 7077

(n, 3α)

71-Lu-159

Radionuclide Production Cross Section



115

71-Lu-159

MAT 7077

(n,t) 2 α

71-Lu-159

Radionuclide Production Cross Section

