

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

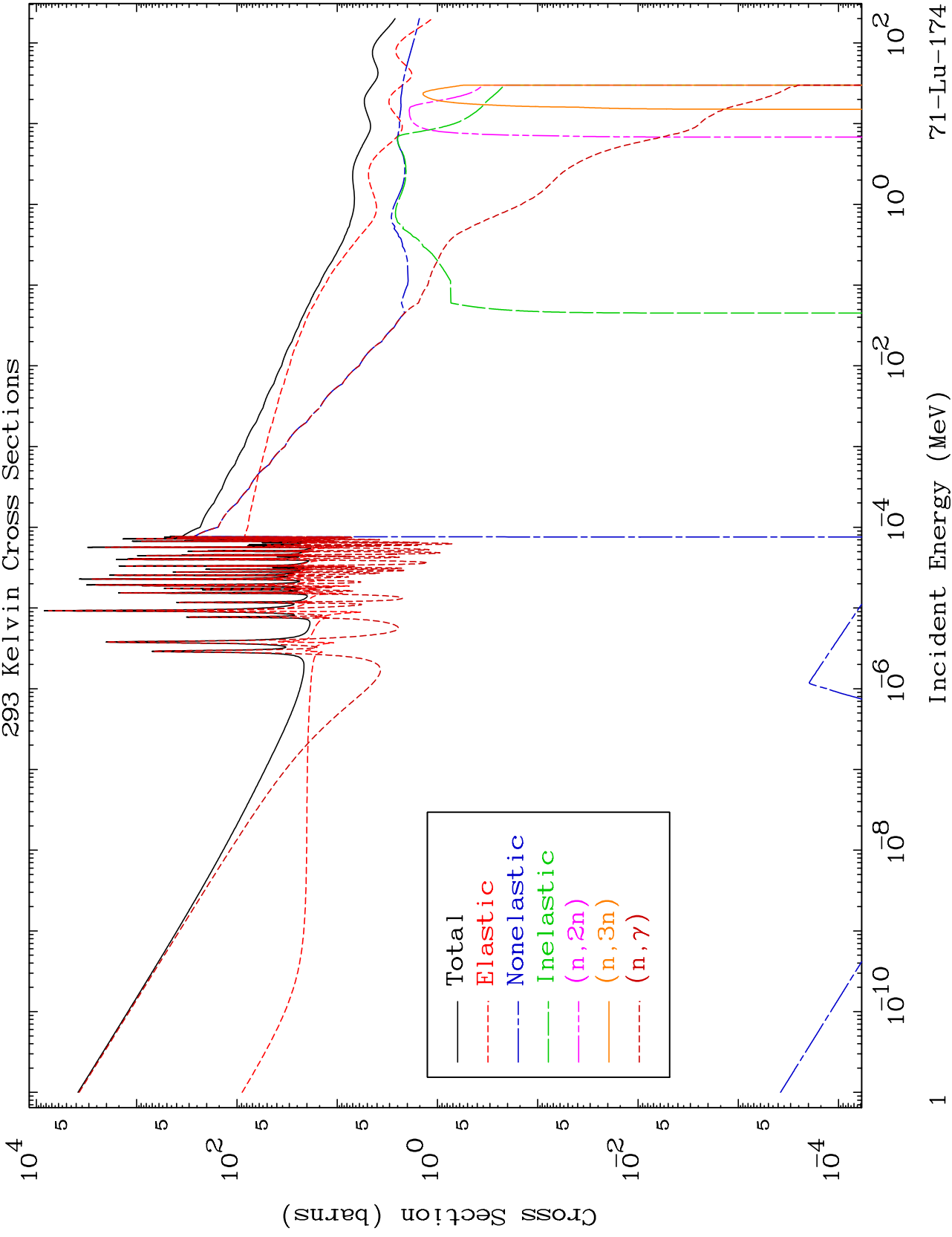
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7122

Neutron Major
293 Kelvin Cross Sections

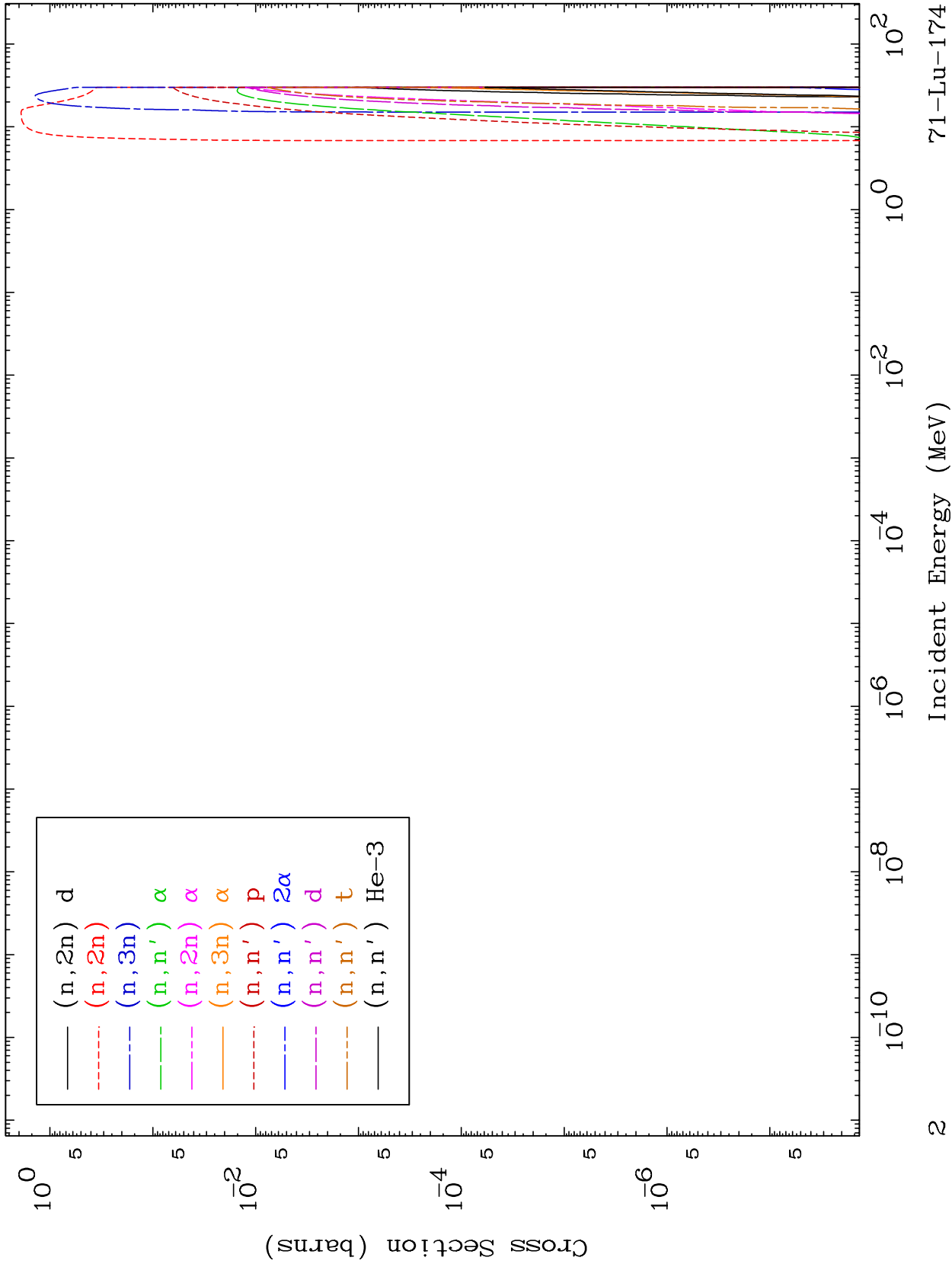
71-Lu-174

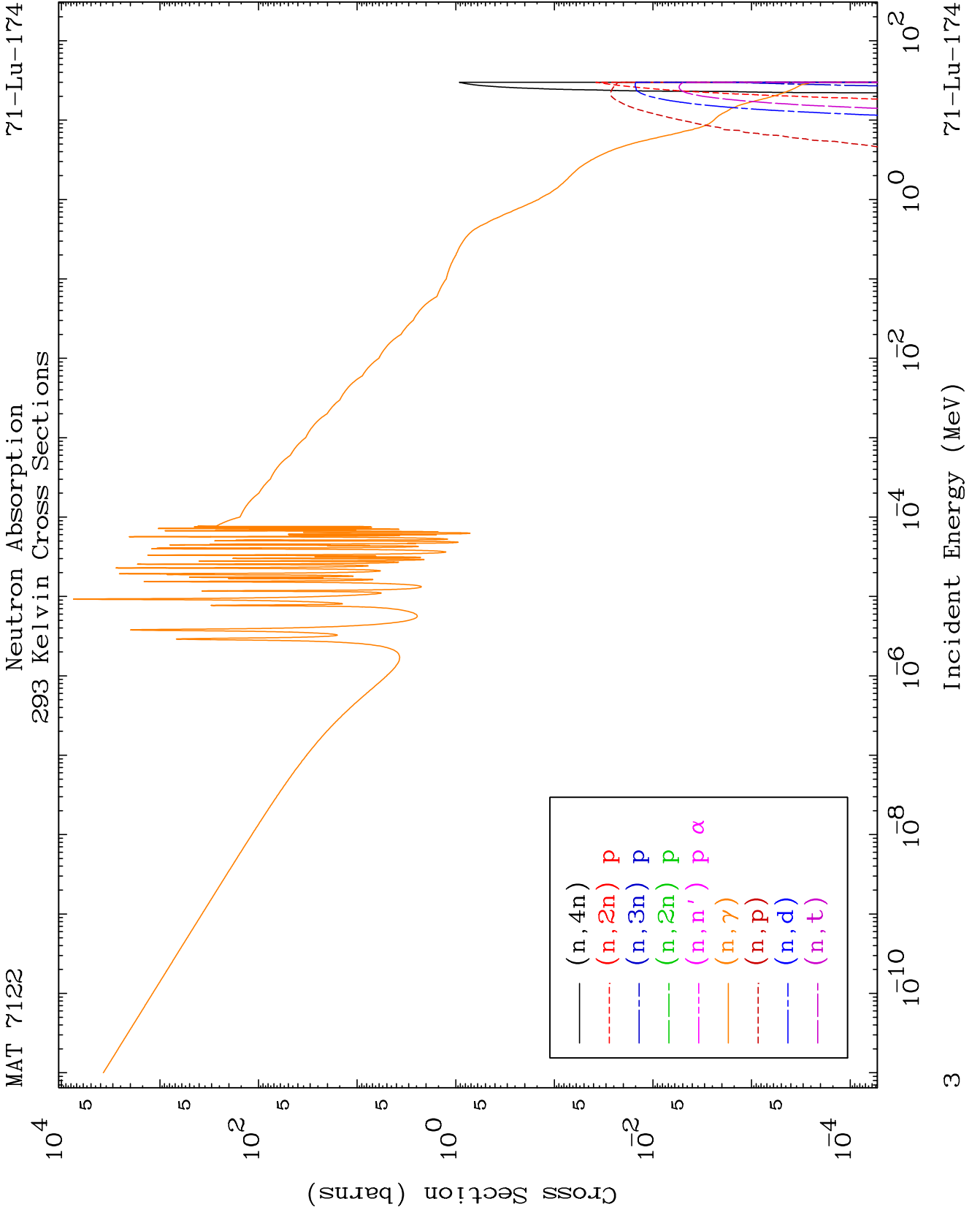


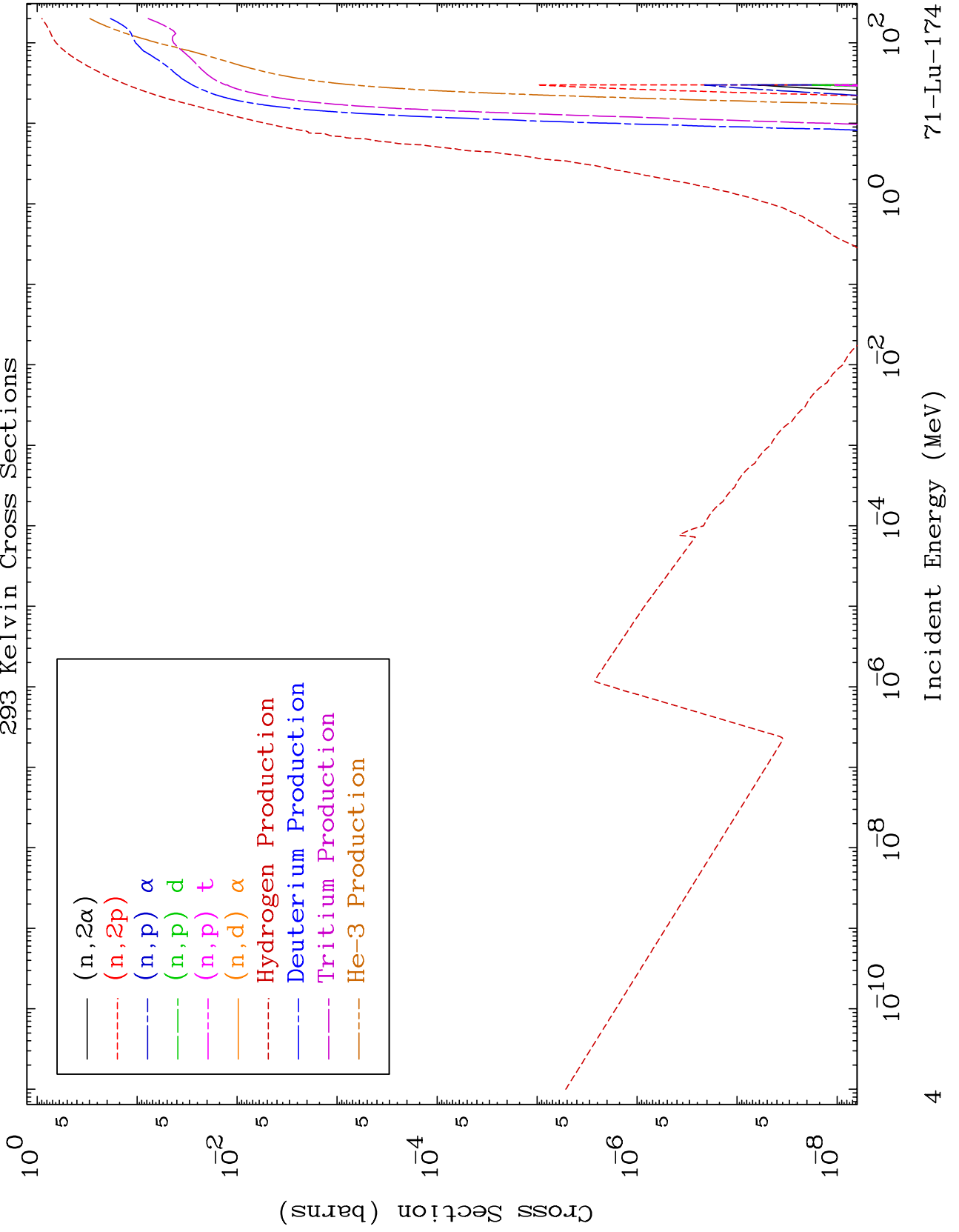
MAT 7122

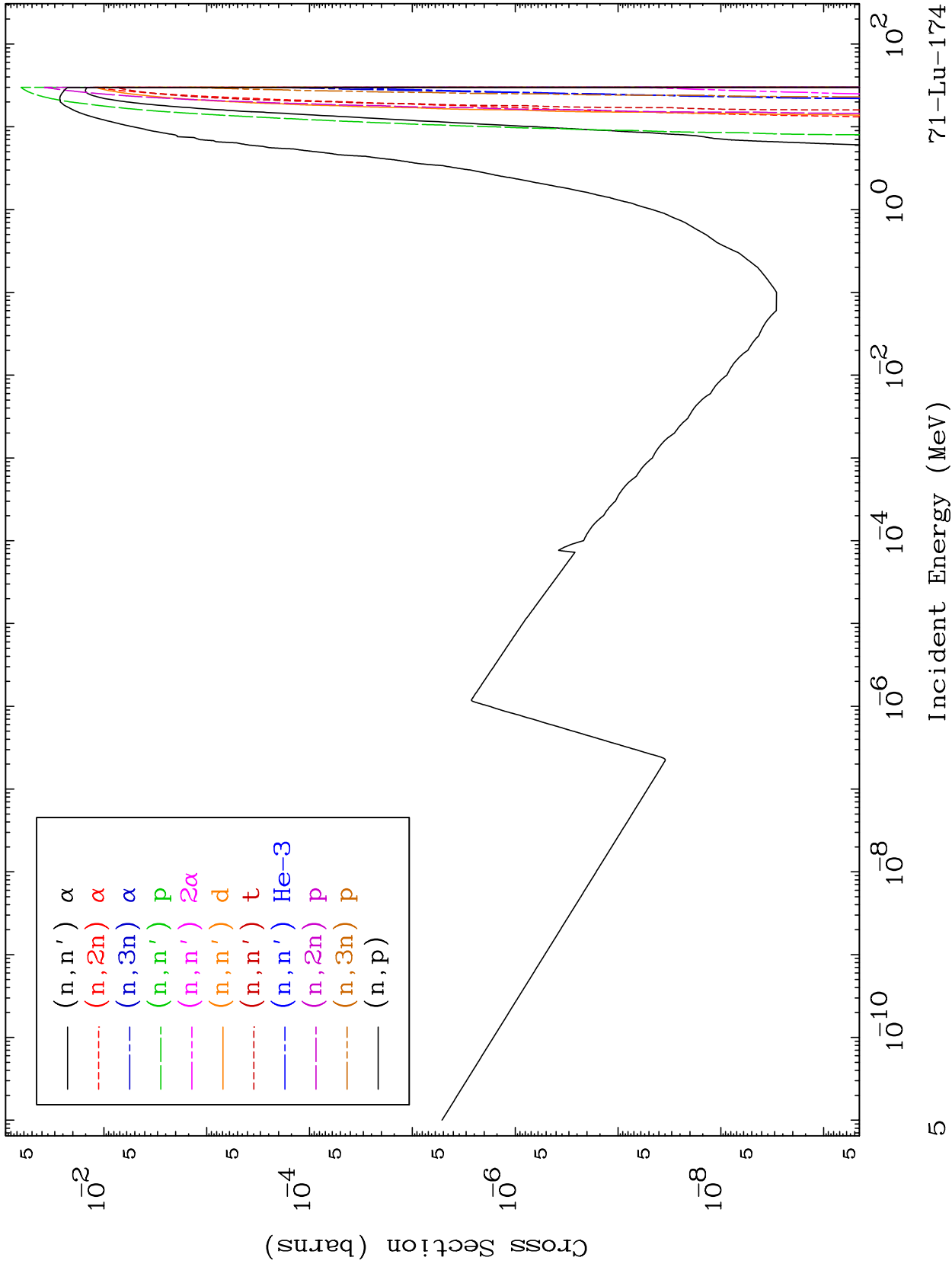
Neutron Absorption
293 Kelvin Cross Sections

71-Lu-174





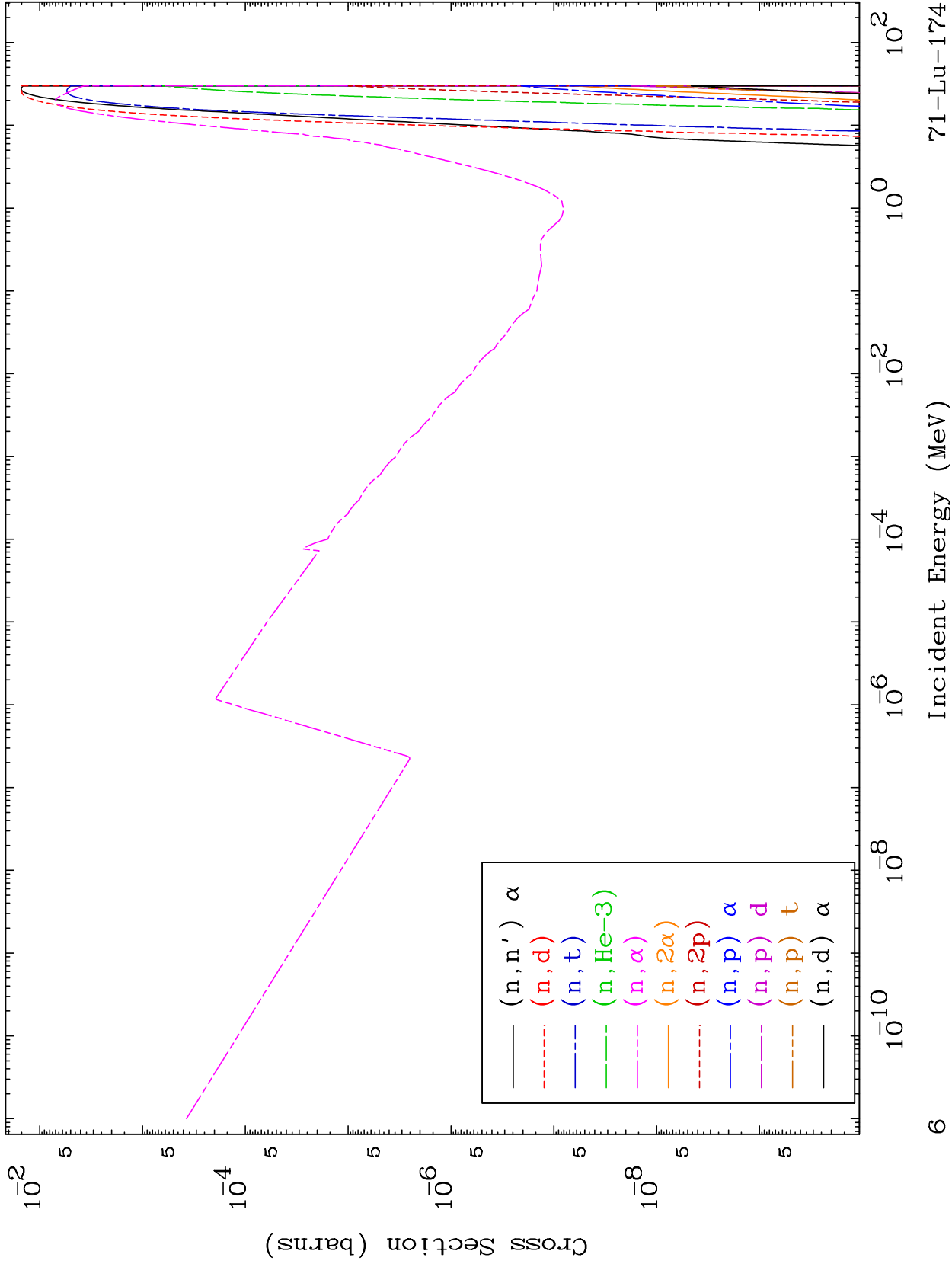




MAT 7122

Charged Particle
293 Kelvin Cross Sections

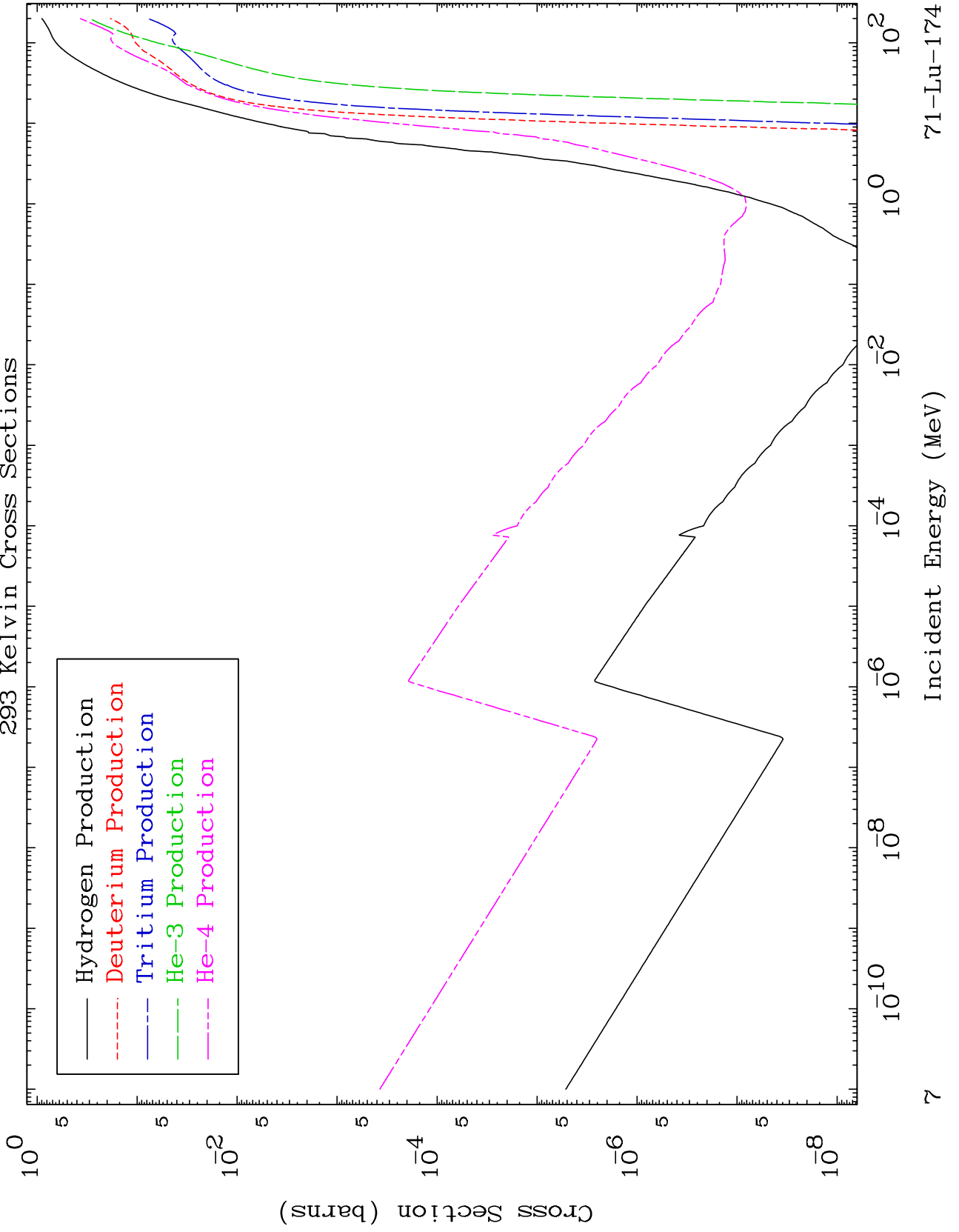
71-Lu-174

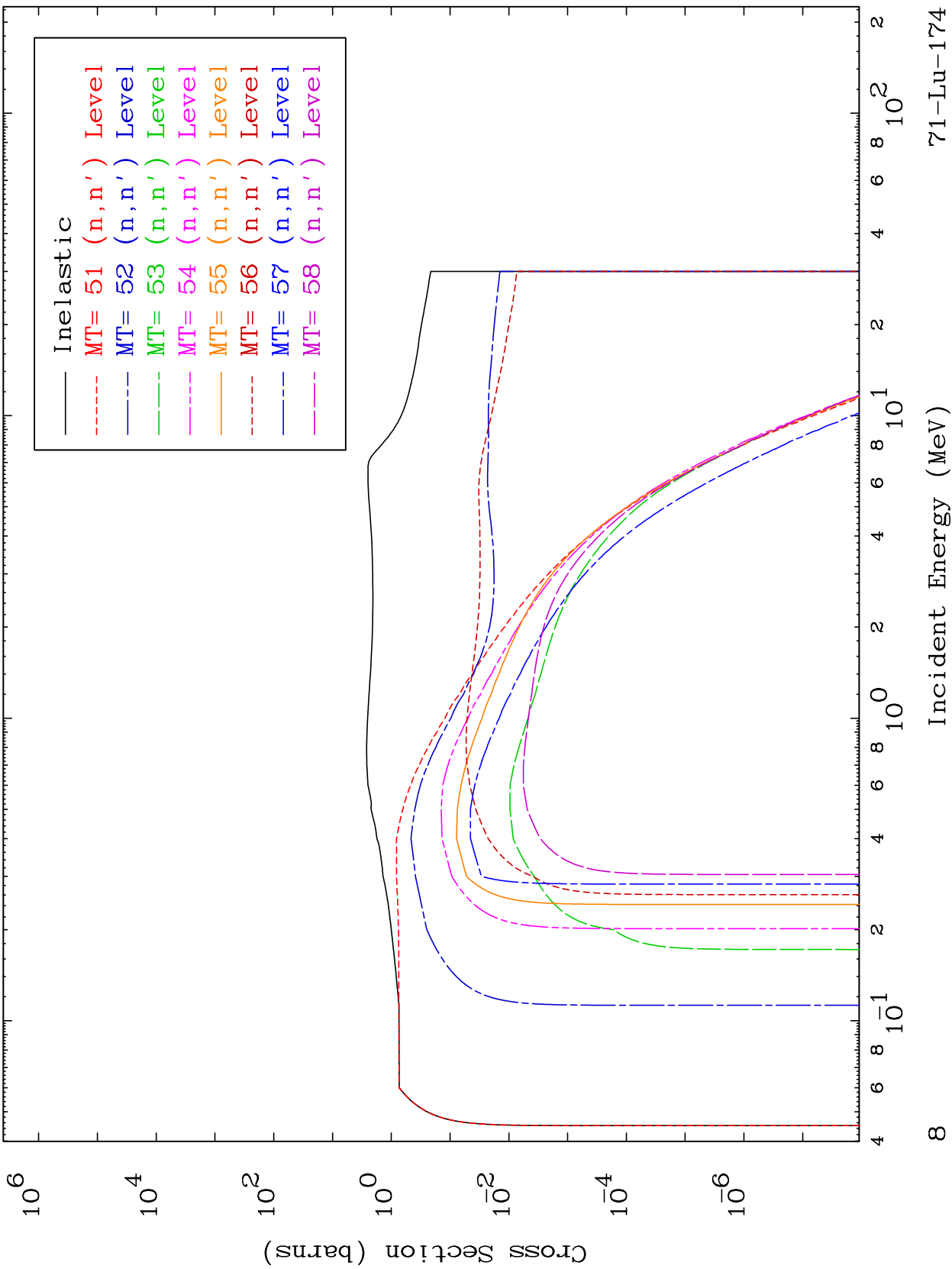


MAT 7122

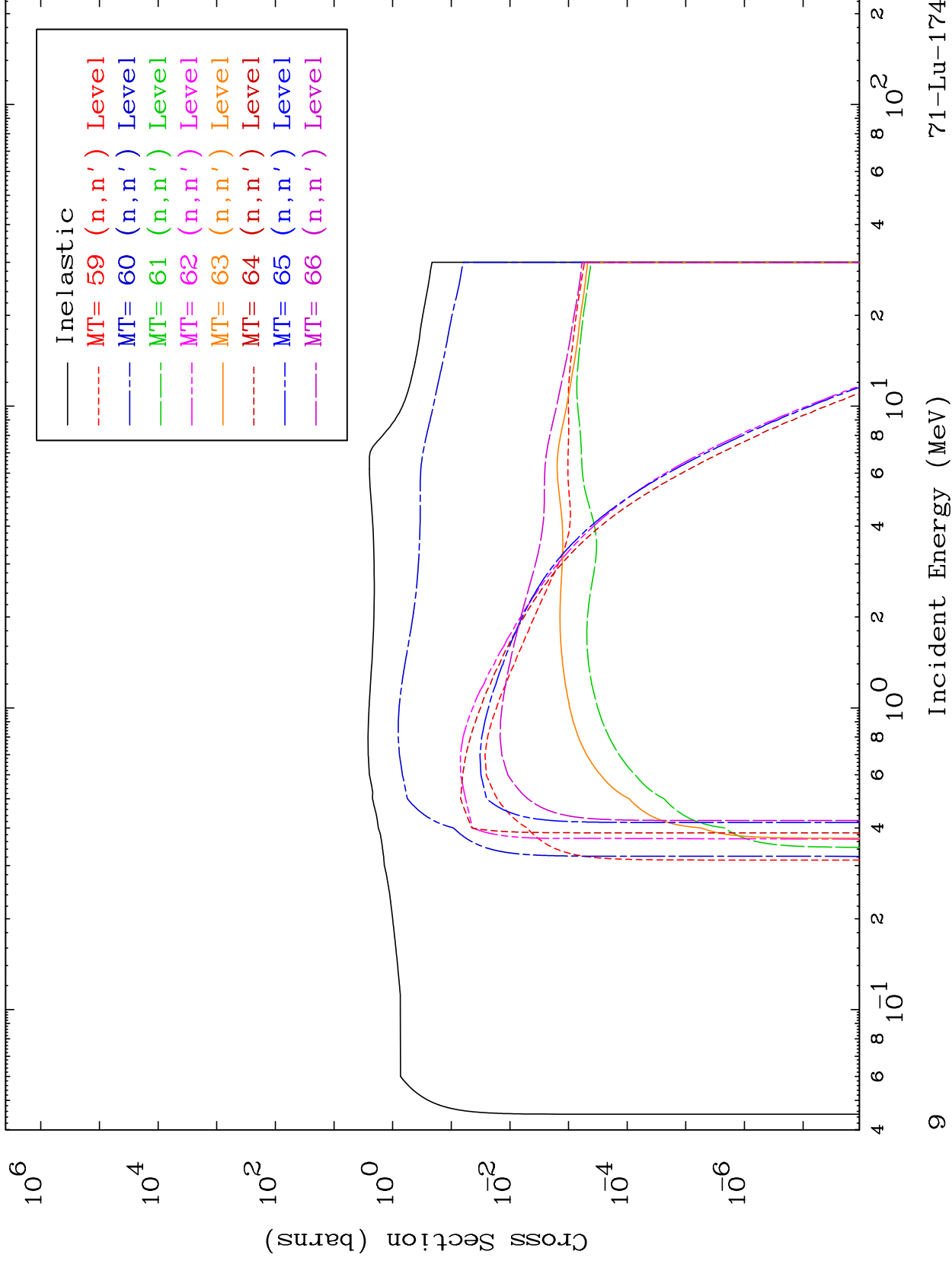
Particle Production
293 Kelvin Cross Sections

71-Lu-174





293 Kelvin Cross Sections

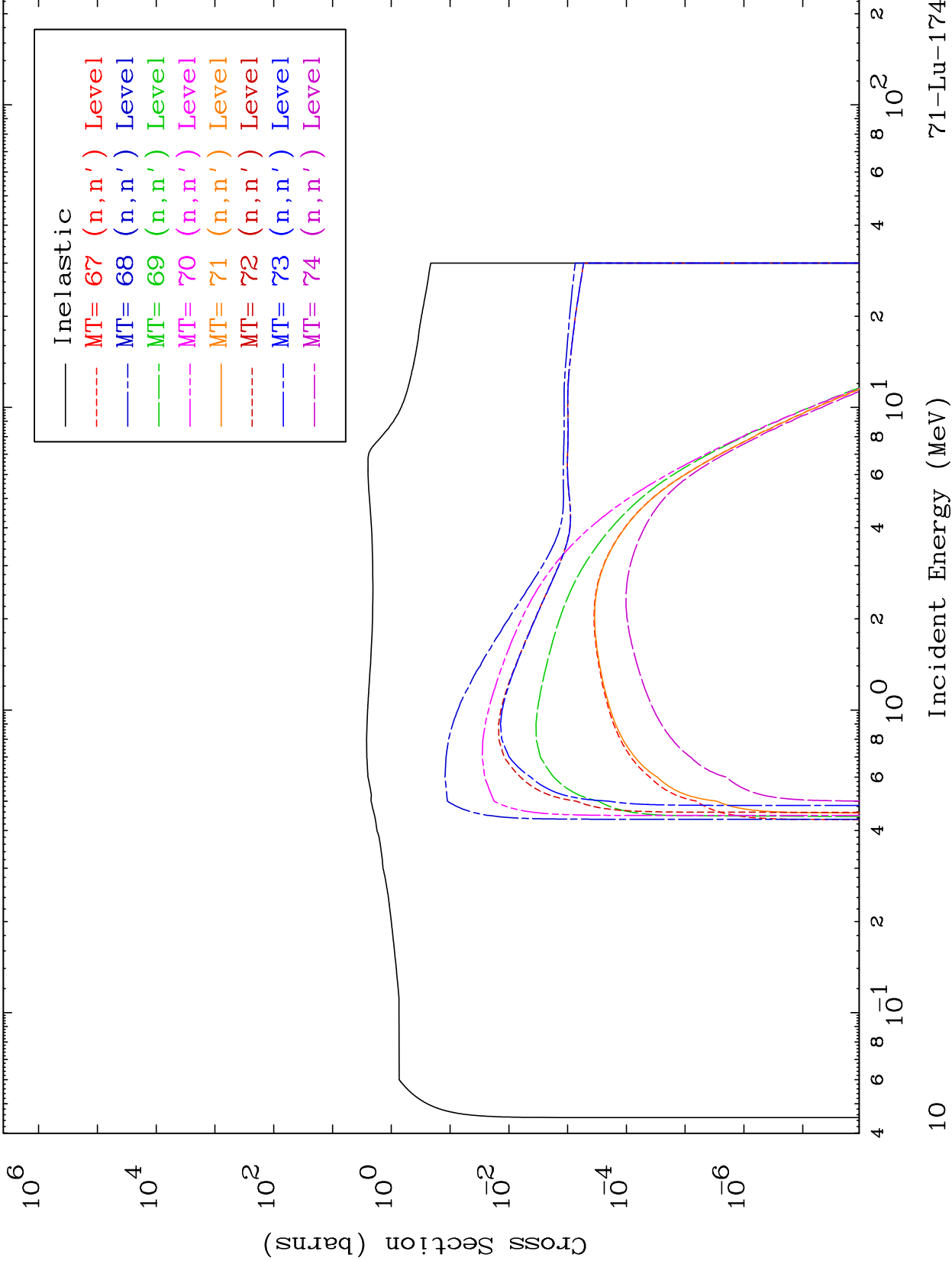


MAT 7122

(n,n') Levels

293 Kelvin Cross Sections

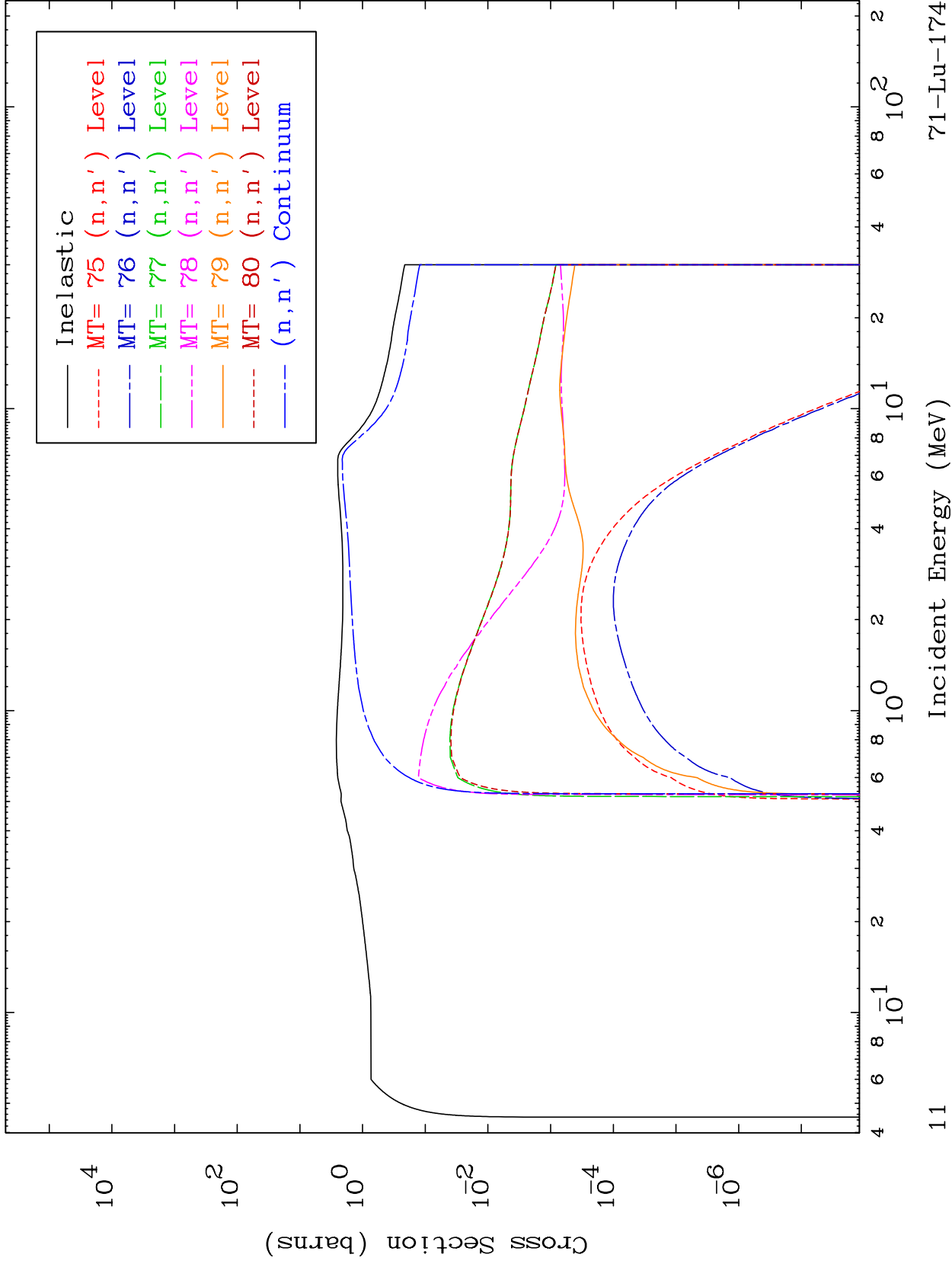
71-Lu-174



10

Incident Energy (MeV)

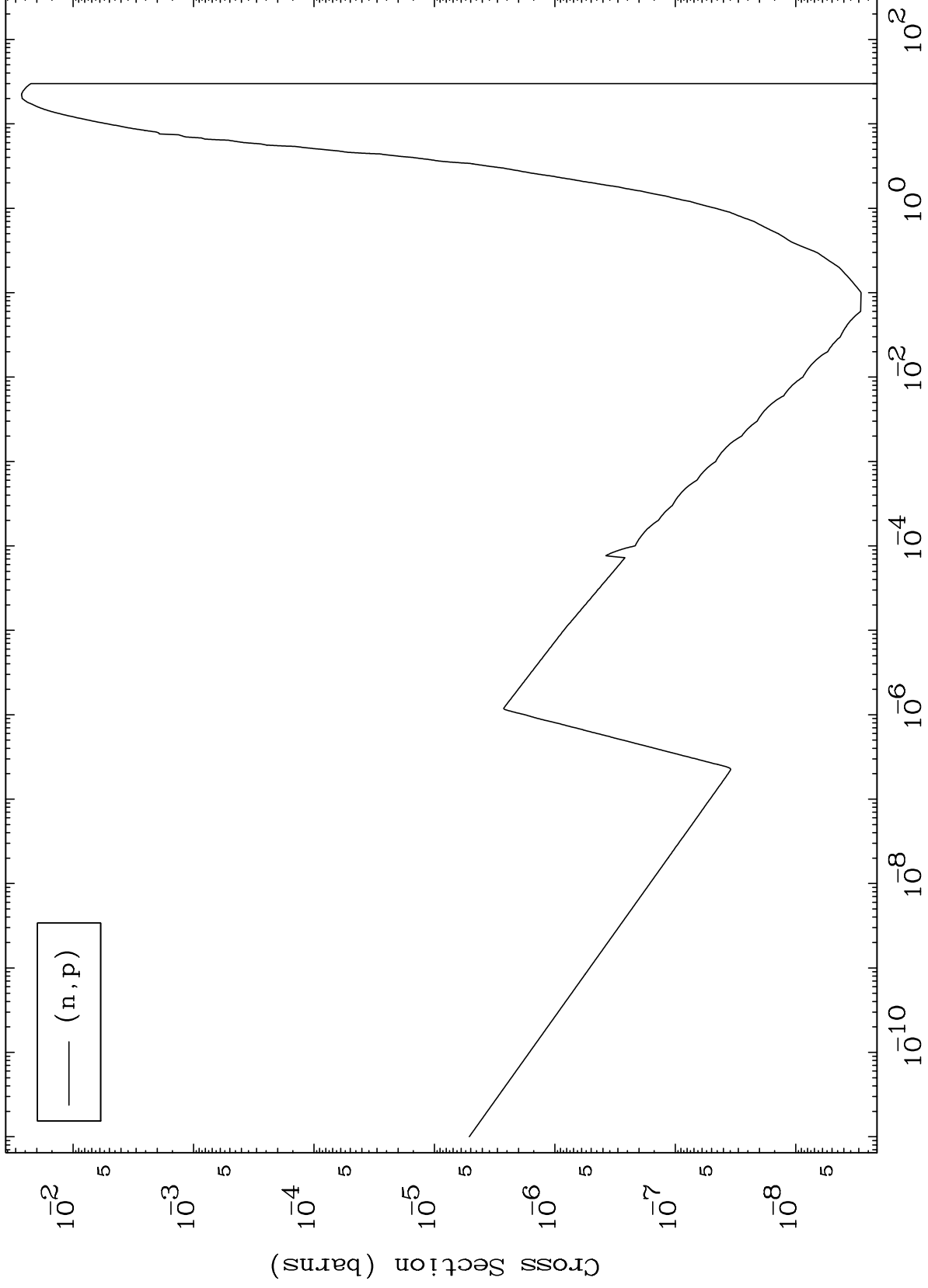
71-Lu-174



MAT 7122

(n,p) Levels
293 Kelvin Cross Sections

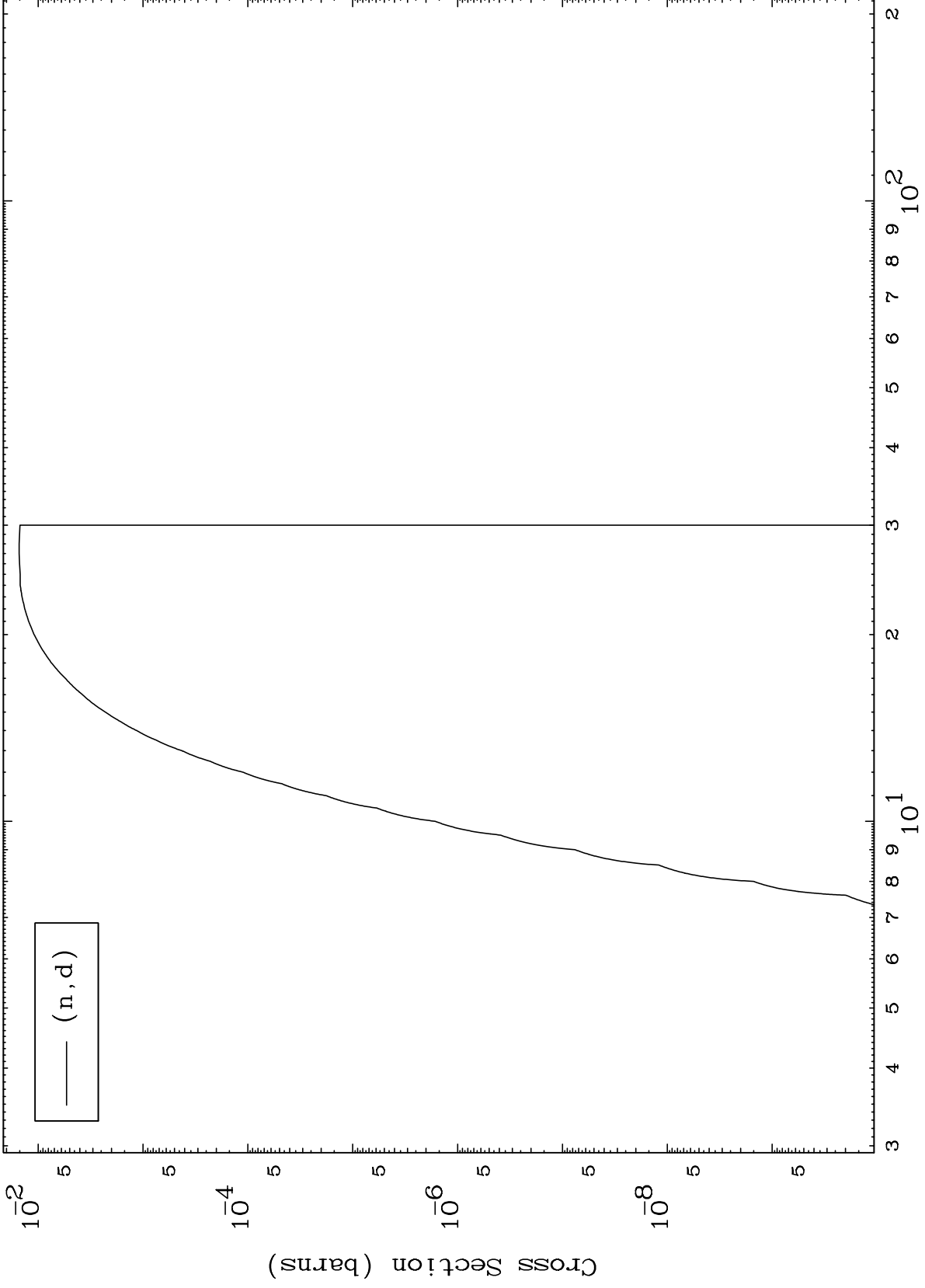
71-Lu-174



MAT 7122

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-174



(n,d)

Incident Energy (MeV)

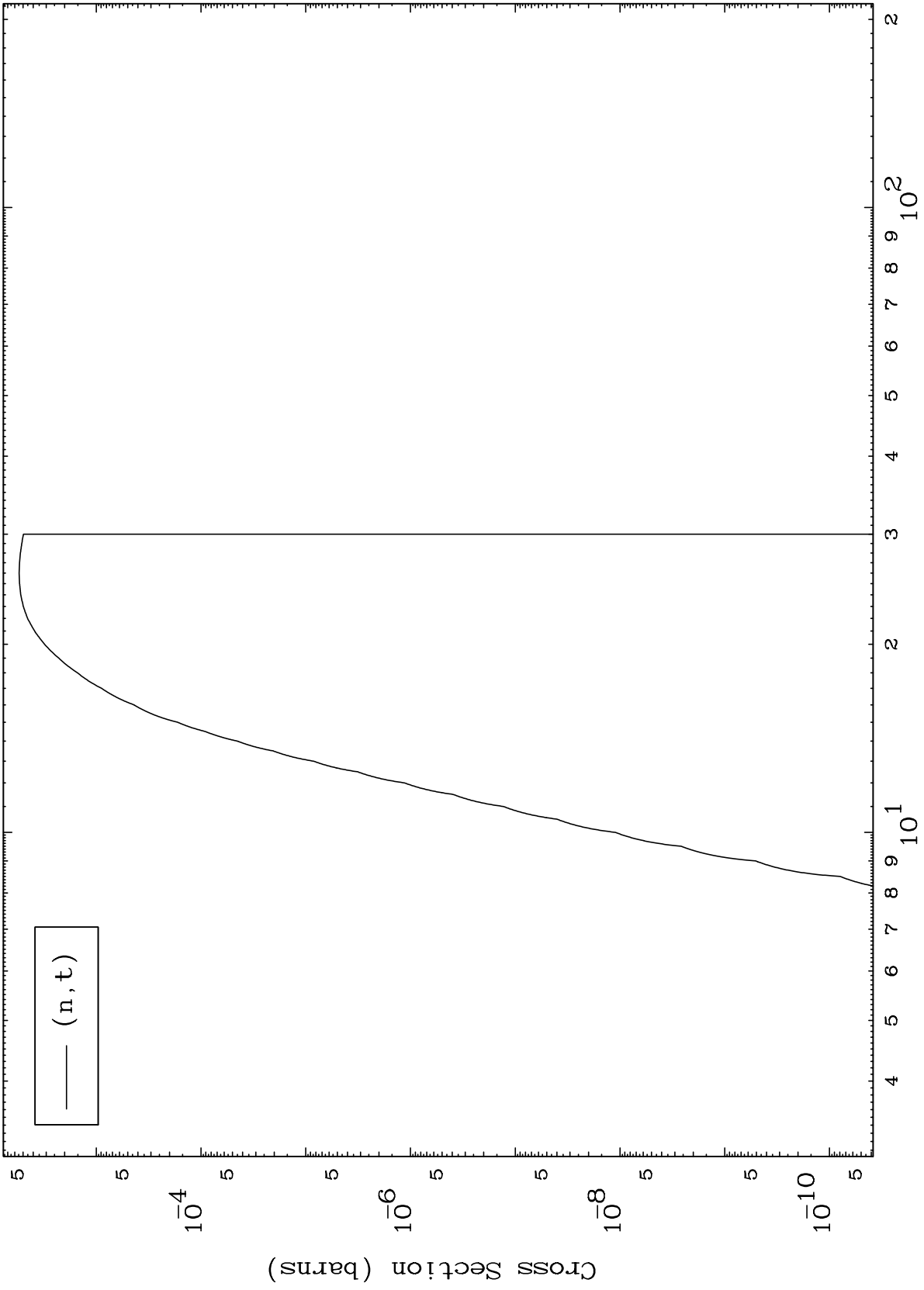
71-Lu-174

13

MAT 7122

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-174



14

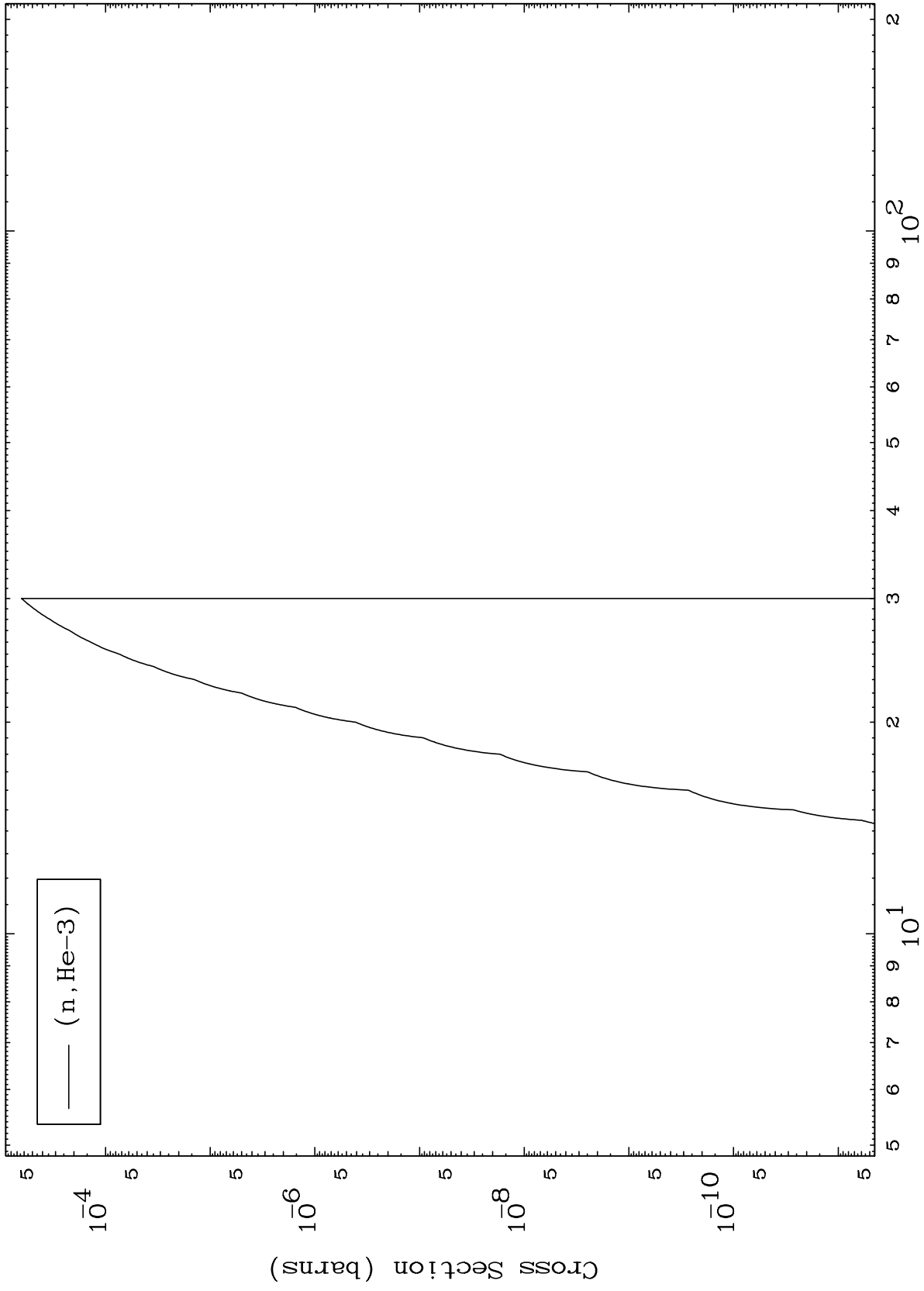
Incident Energy (MeV)

71-Lu-174

MAT 7122

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-174



15

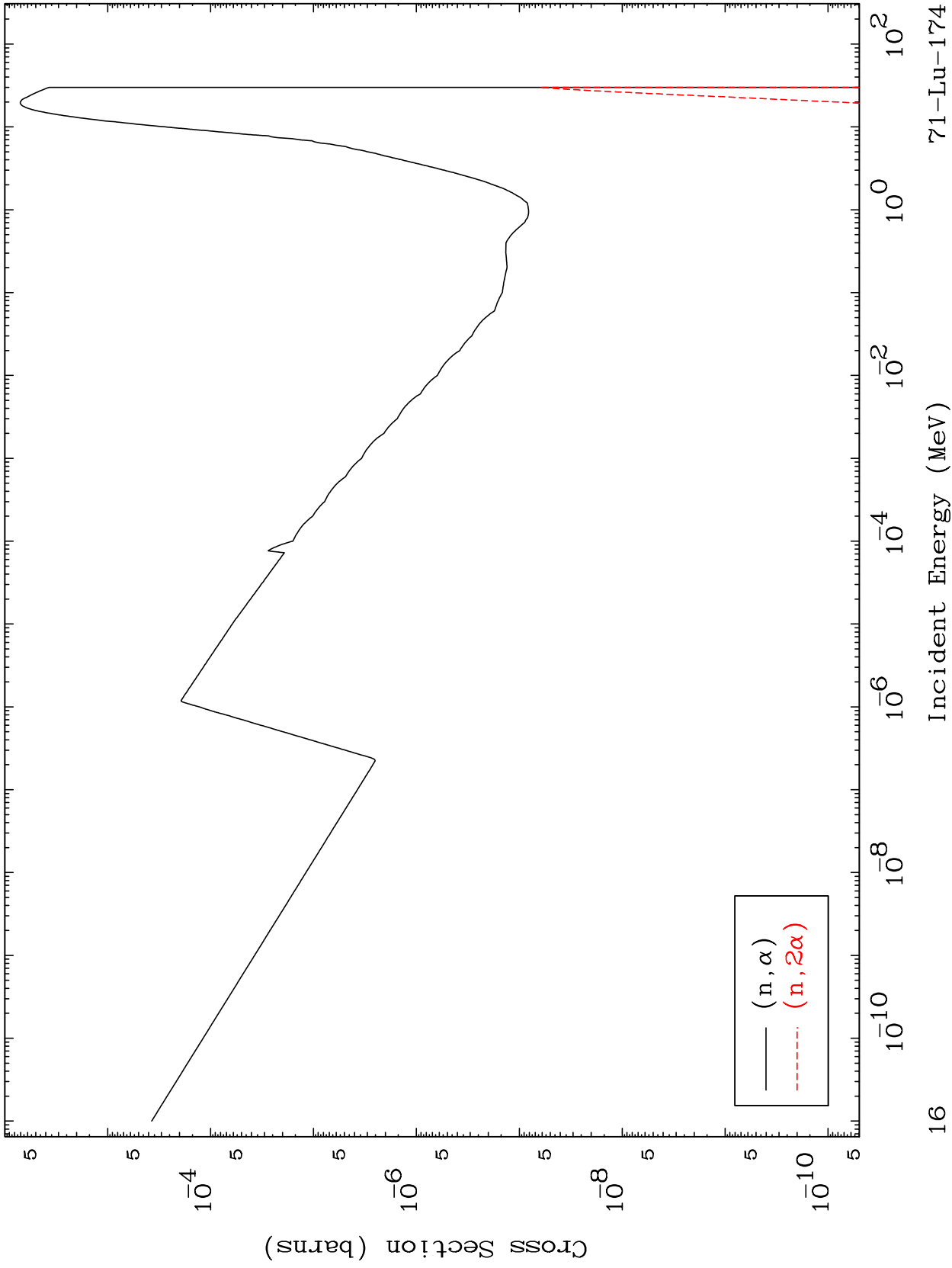
Incident Energy (MeV)

71-Lu-174

MAT 7122

(n,α) Levels
293 Kelvin Cross Sections

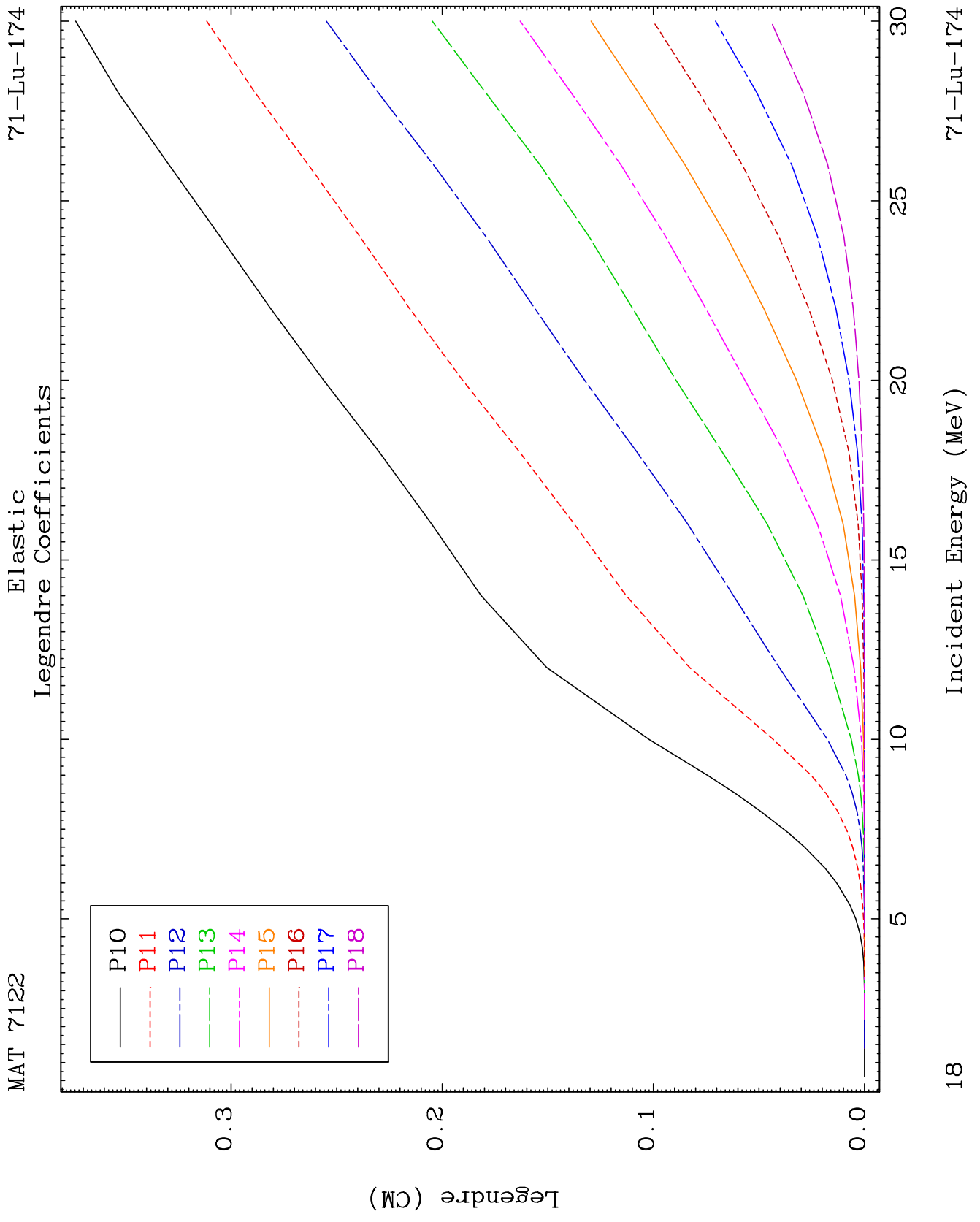
71-Lu-174



16

Incident Energy (MeV)

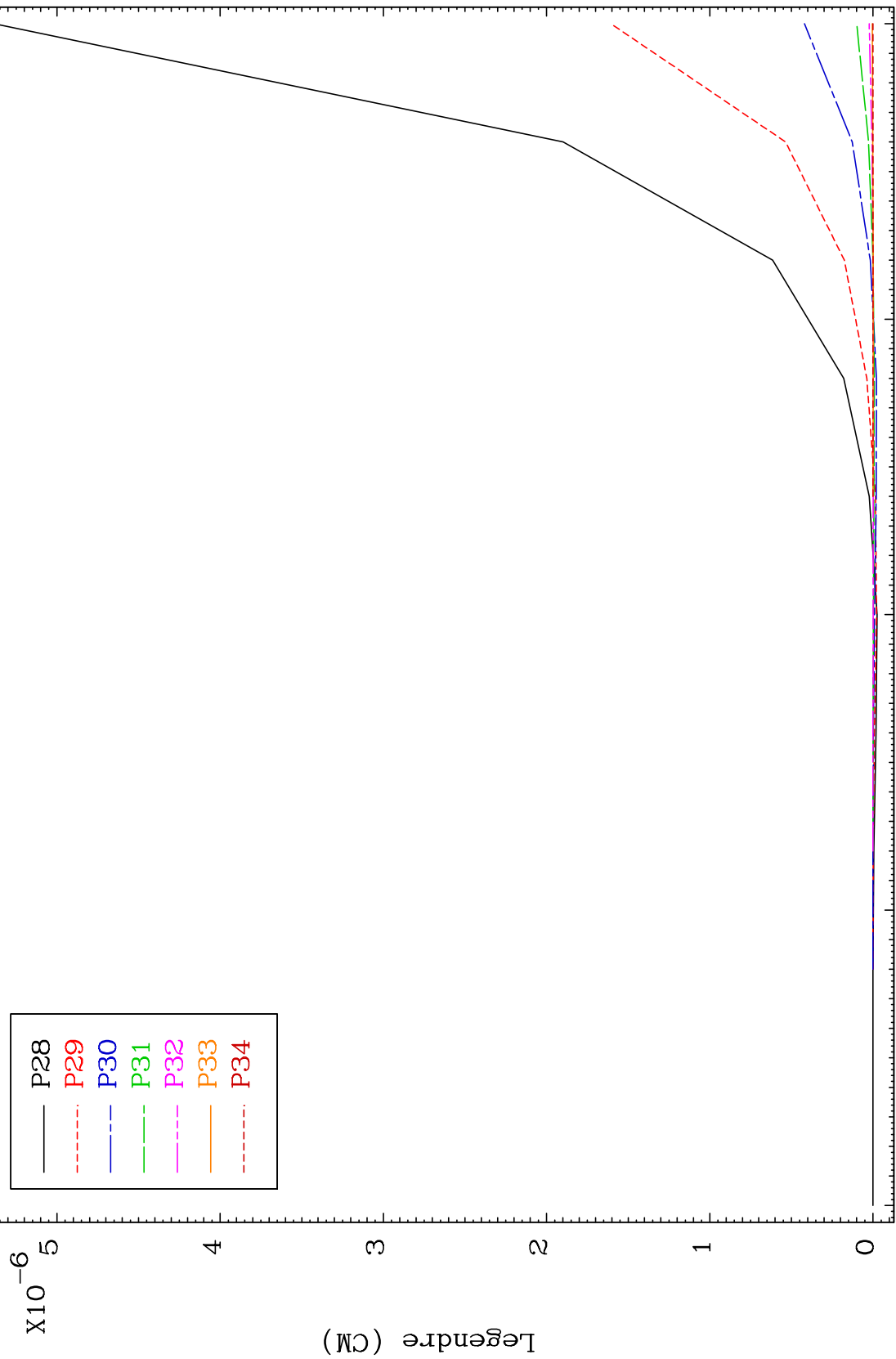
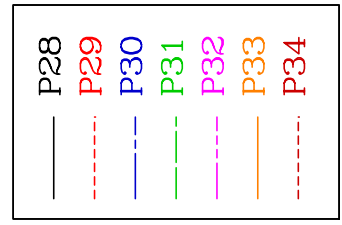
71-Lu-174



MAT 7122

Elastic Legendre Coefficients

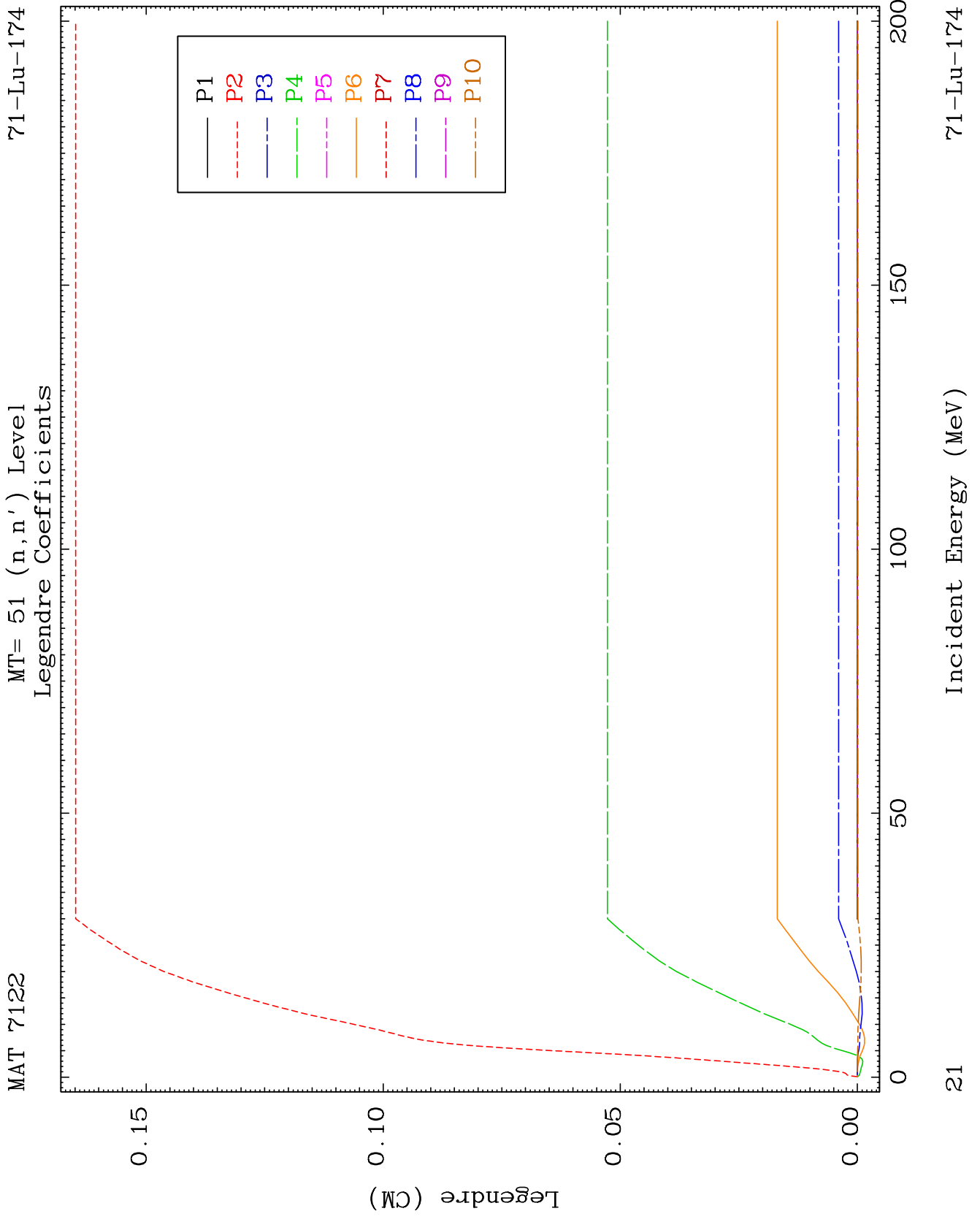
71-Lu-174

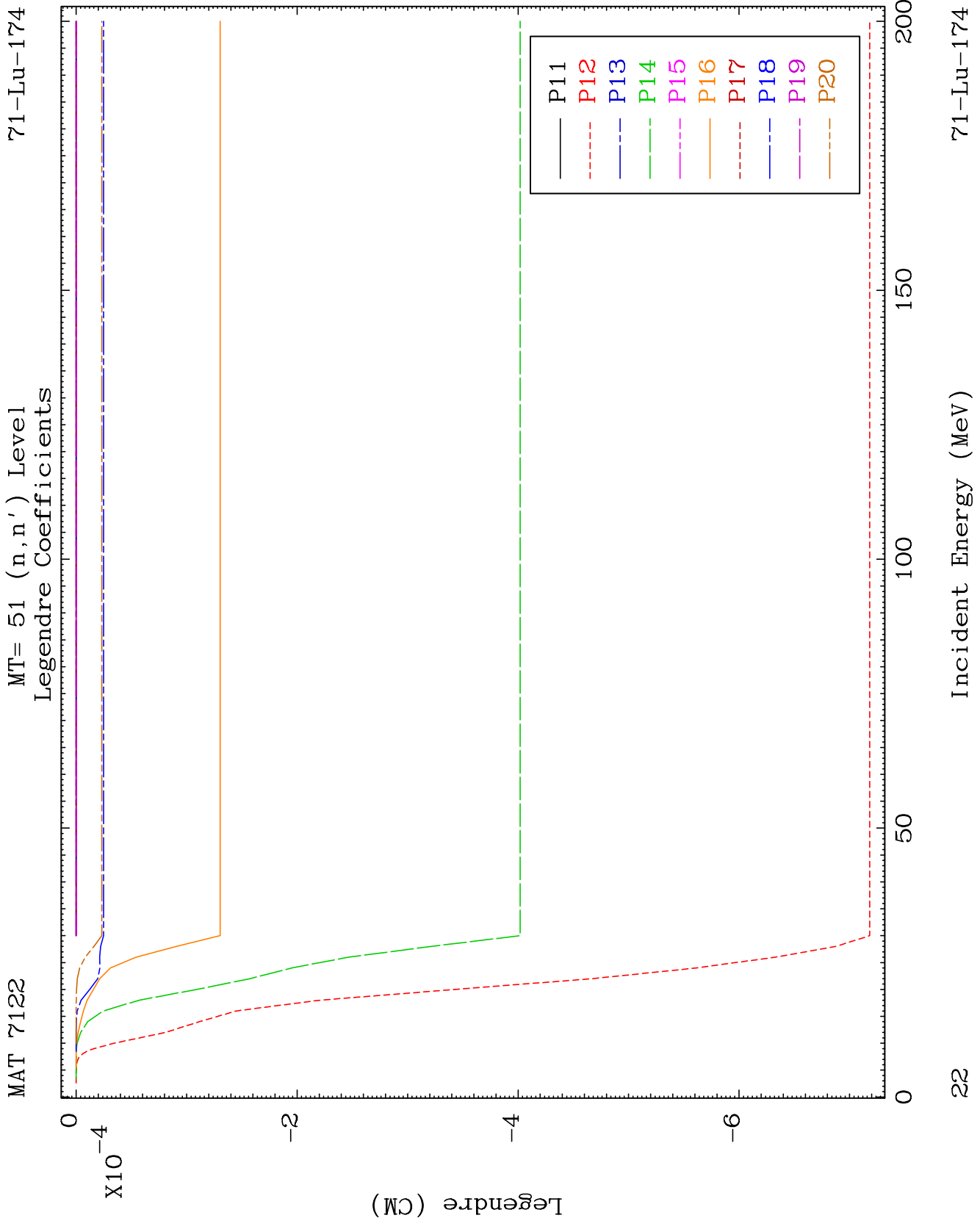


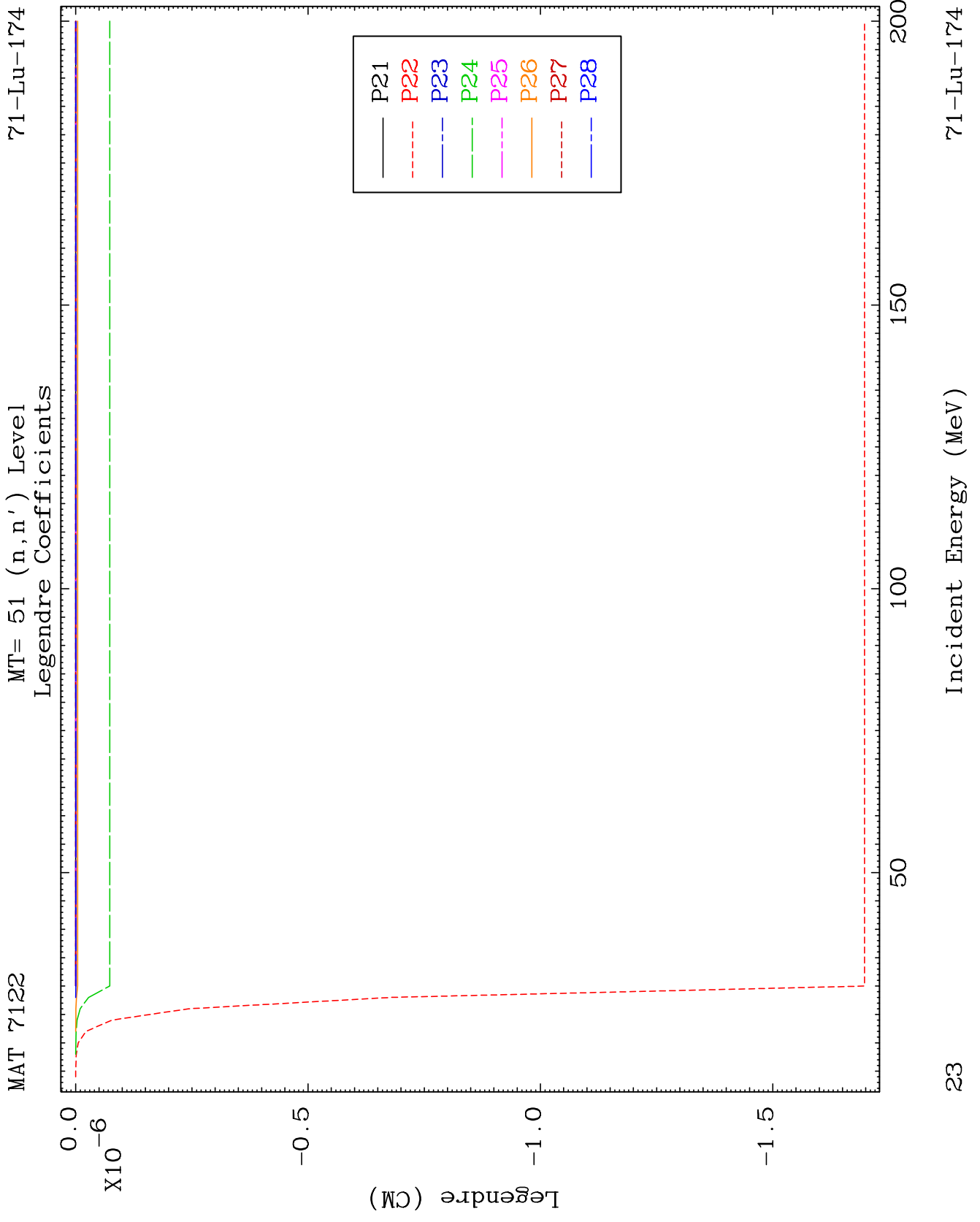
71-Lu-174

Incident Energy (MeV)

20



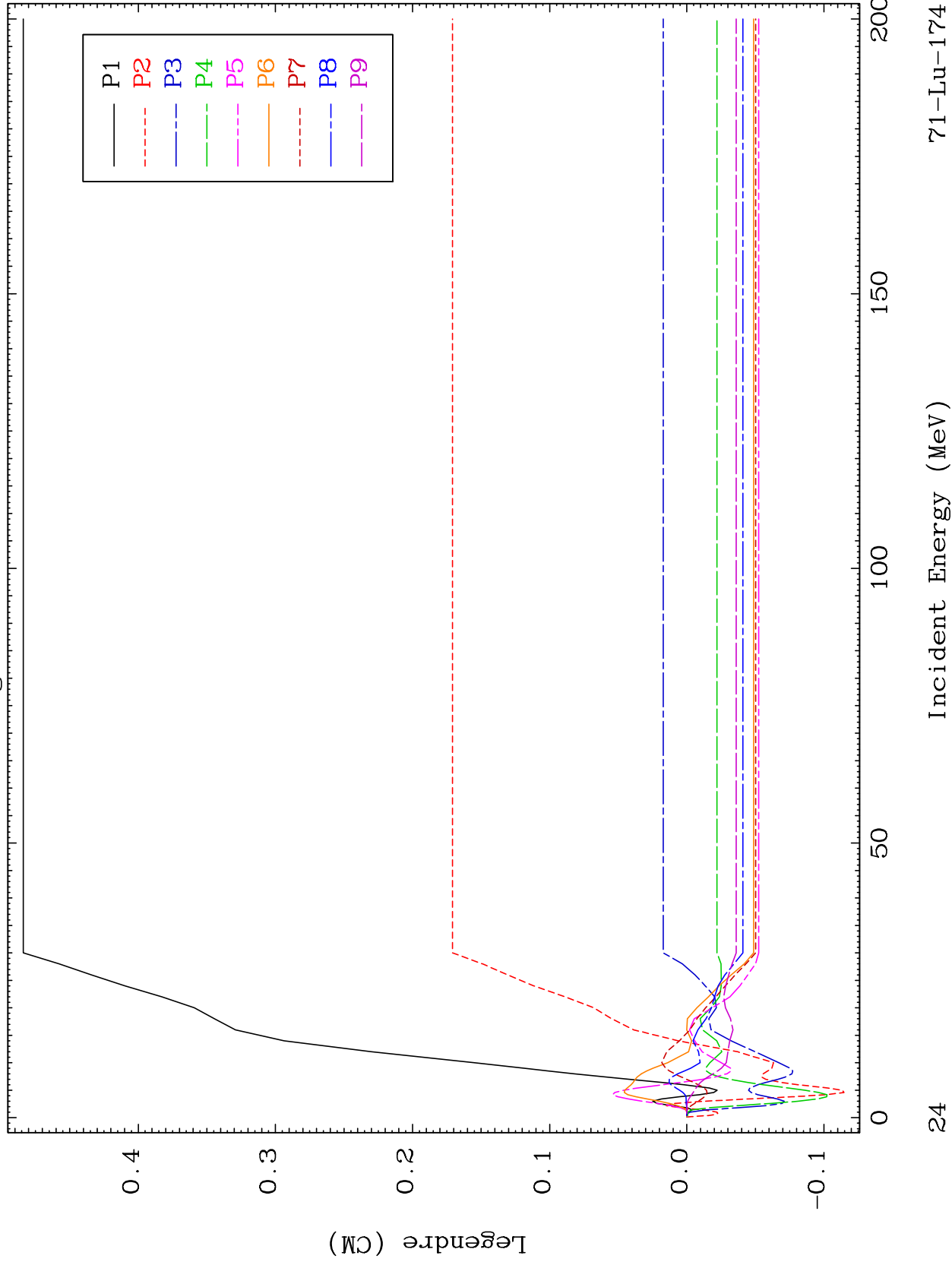




MAT 7122

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

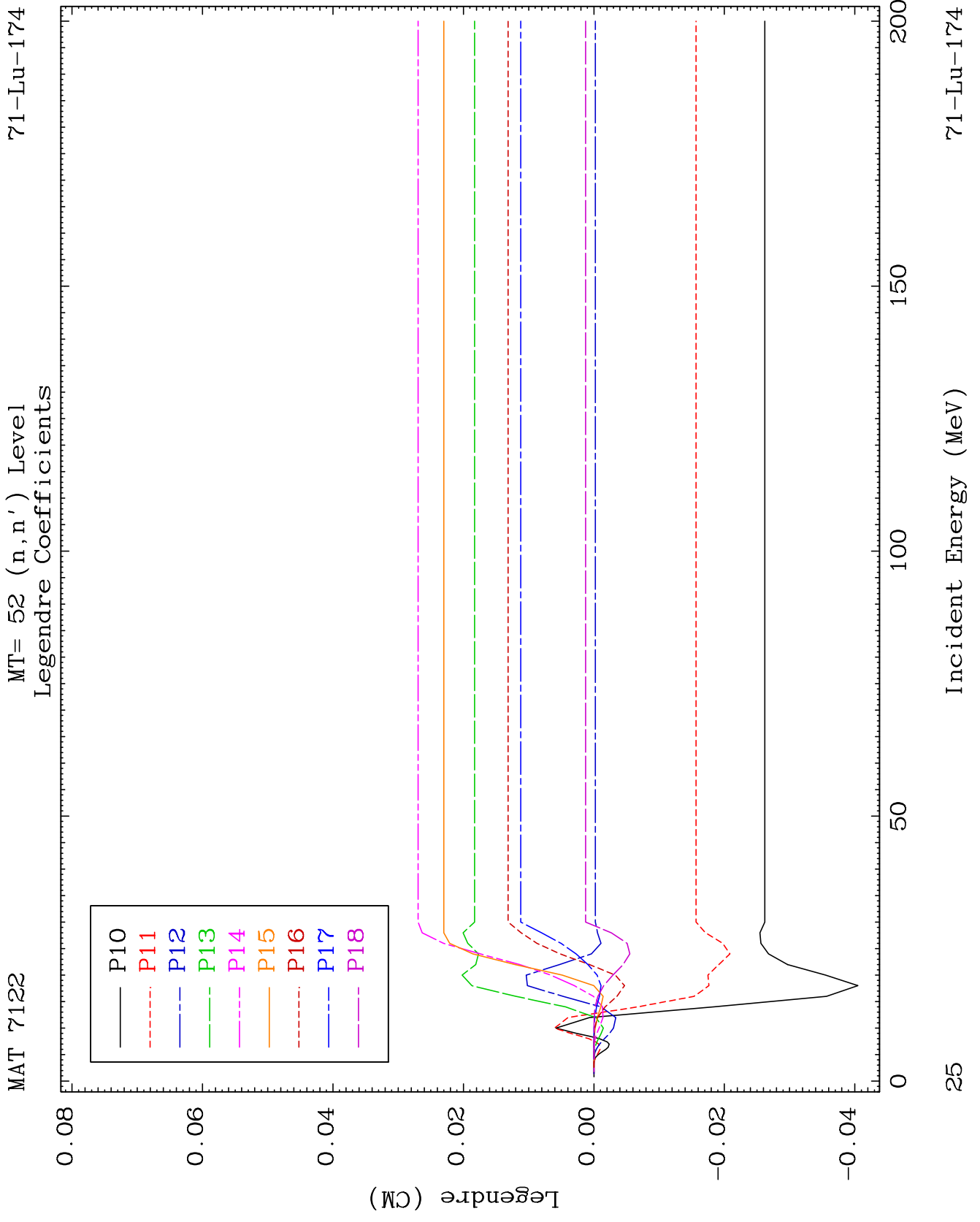
71-Lu-174

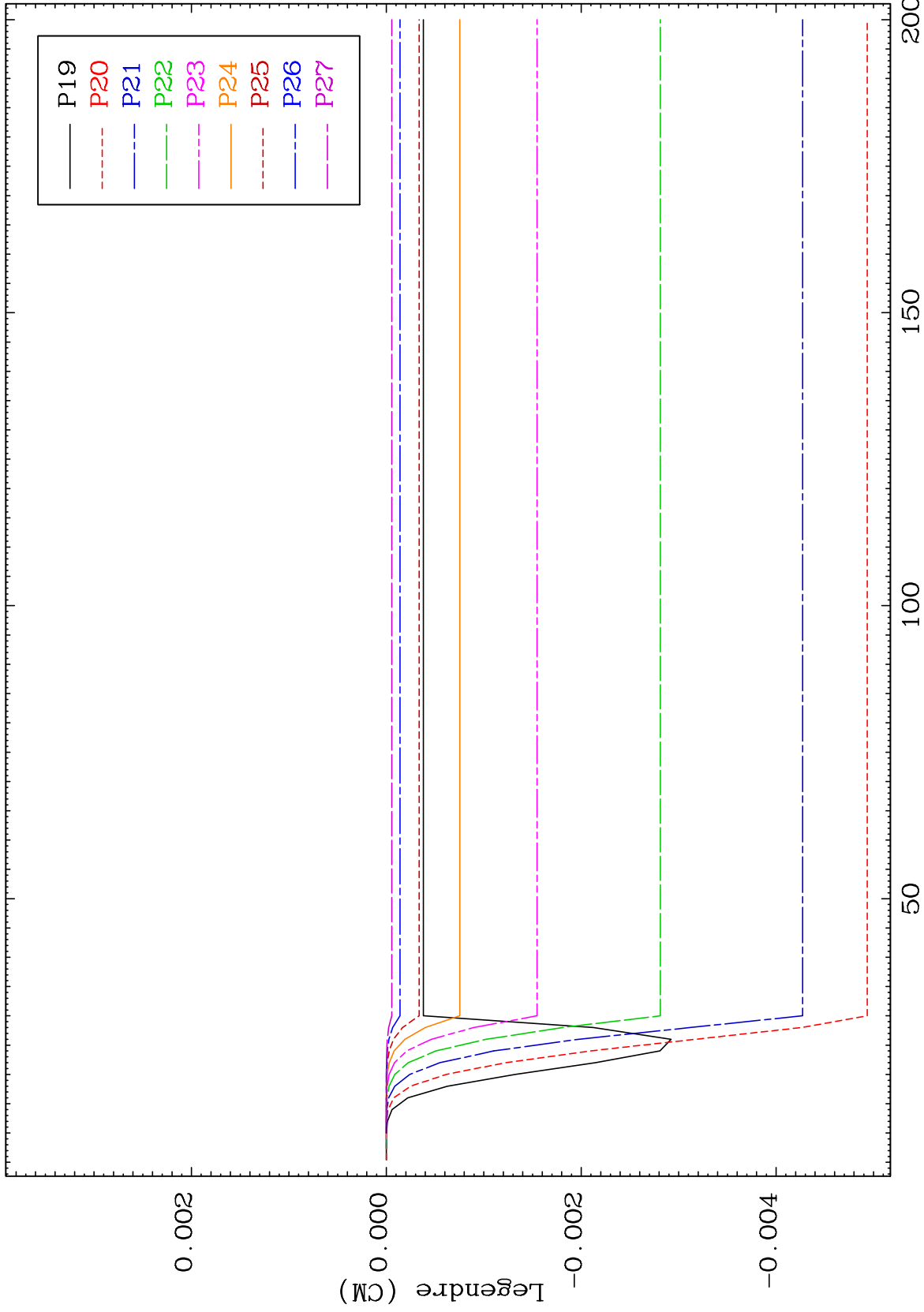


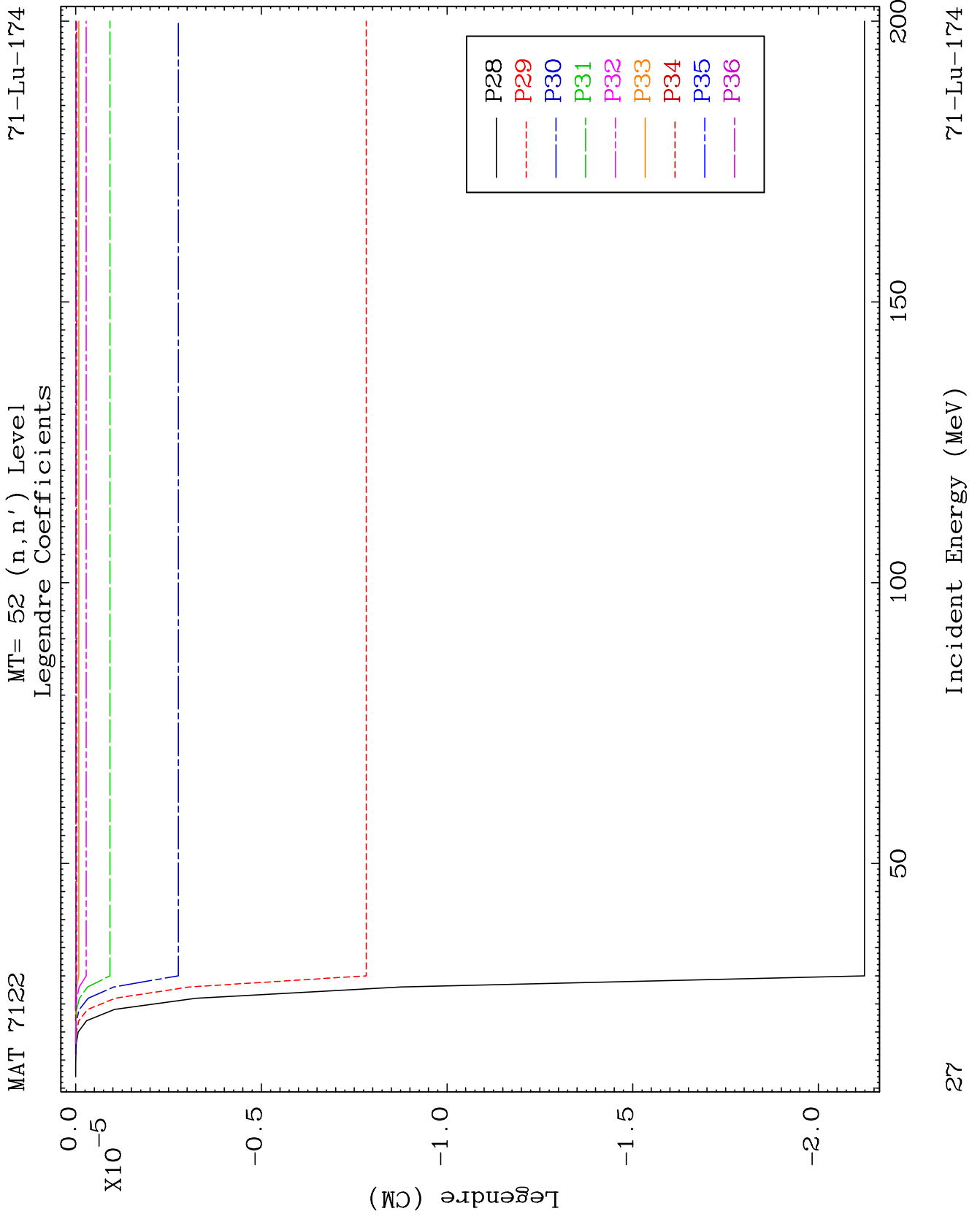
71-Lu-174

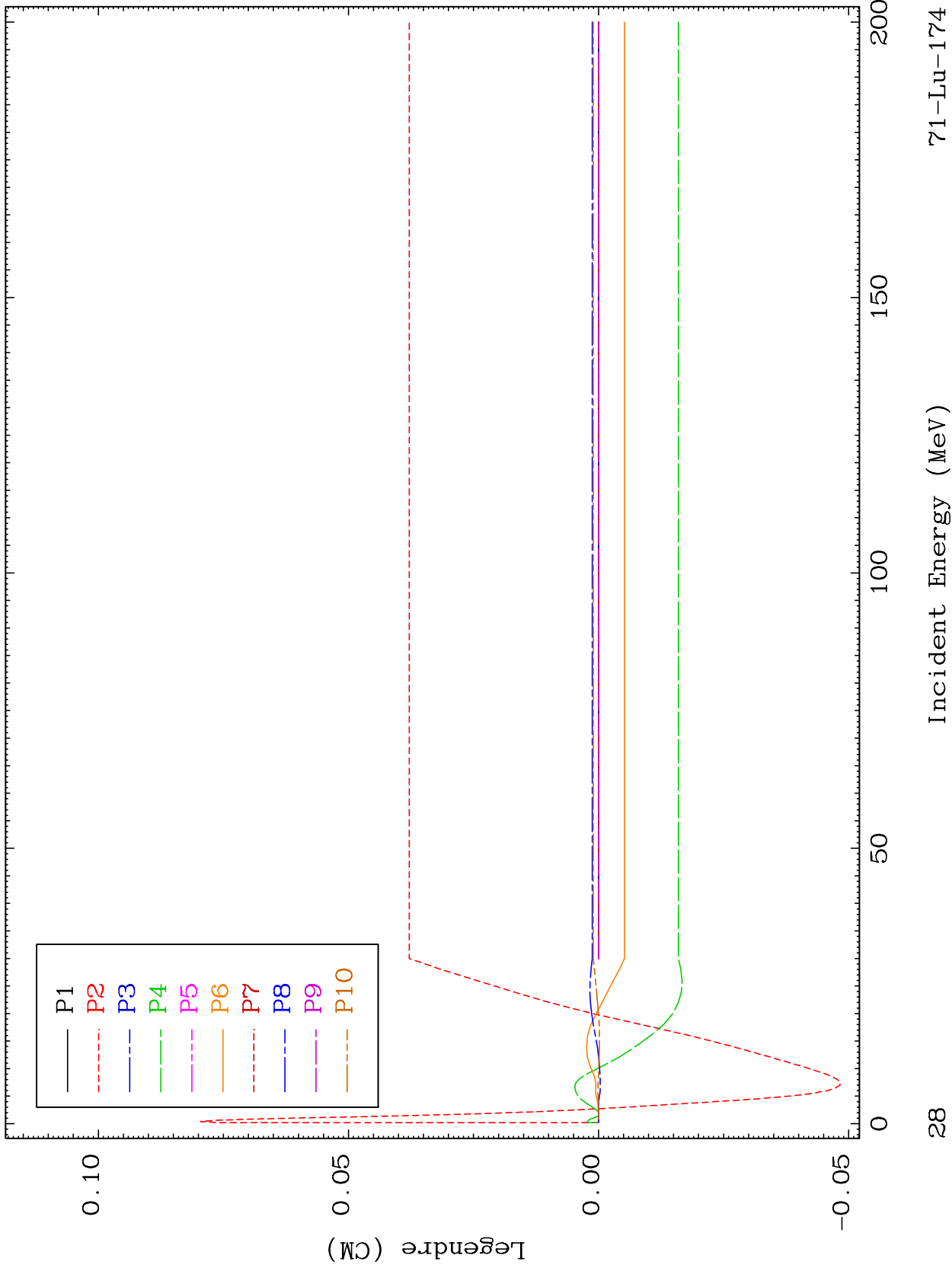
Incident Energy (MeV)

24





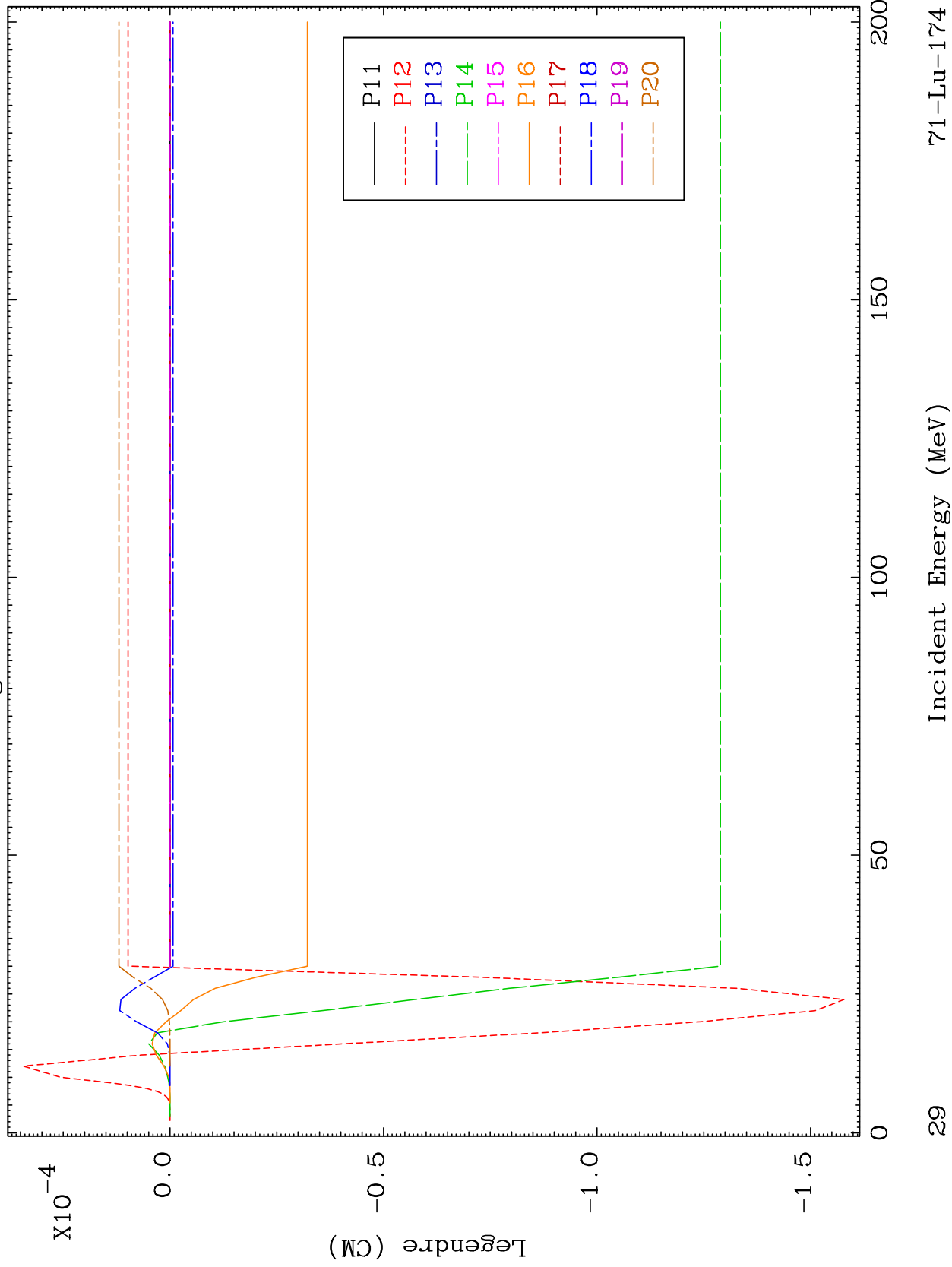




MAT 7122

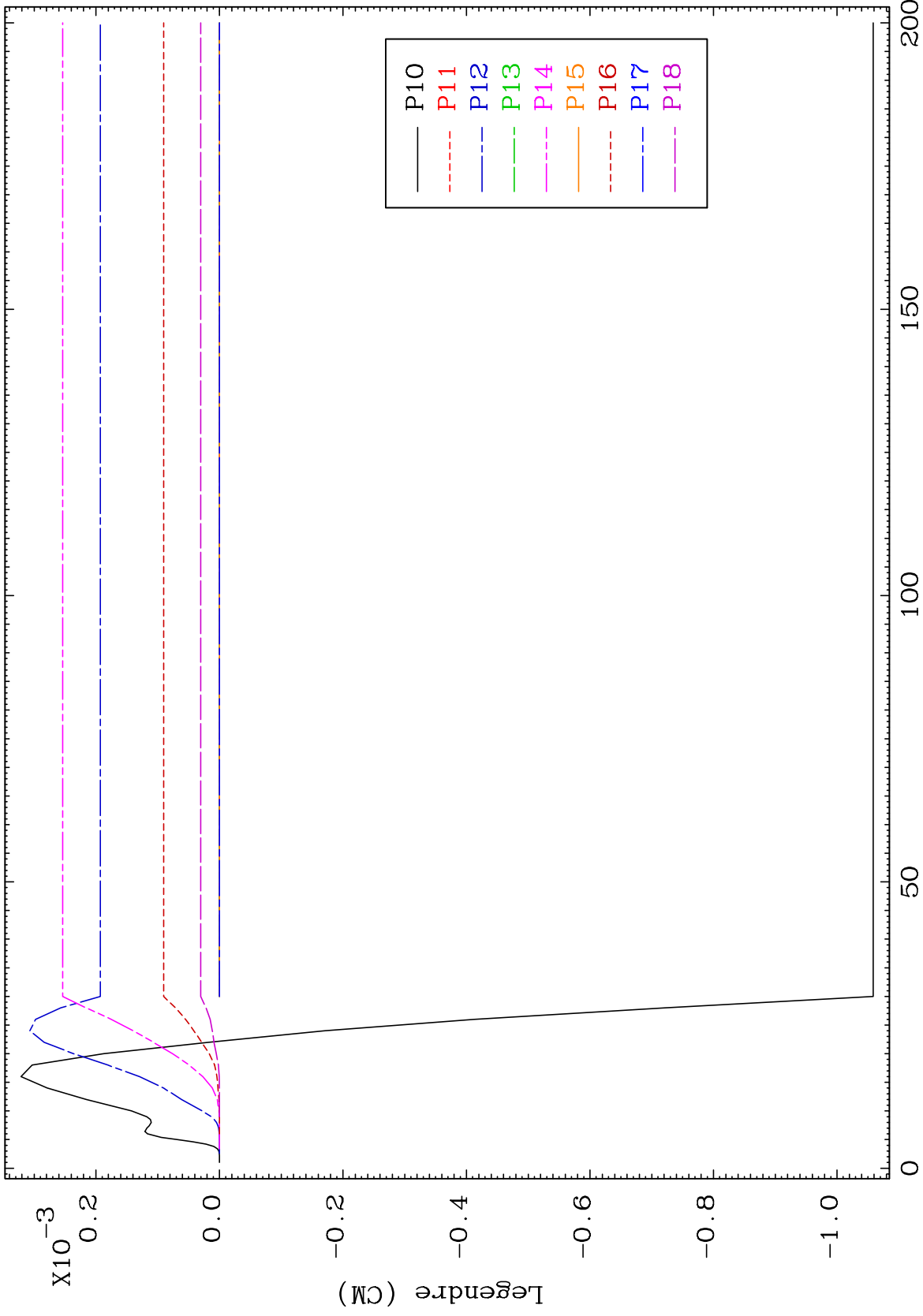
MT= 53 (n,n') Level
Legendre Coefficients

71-Lu-174



29

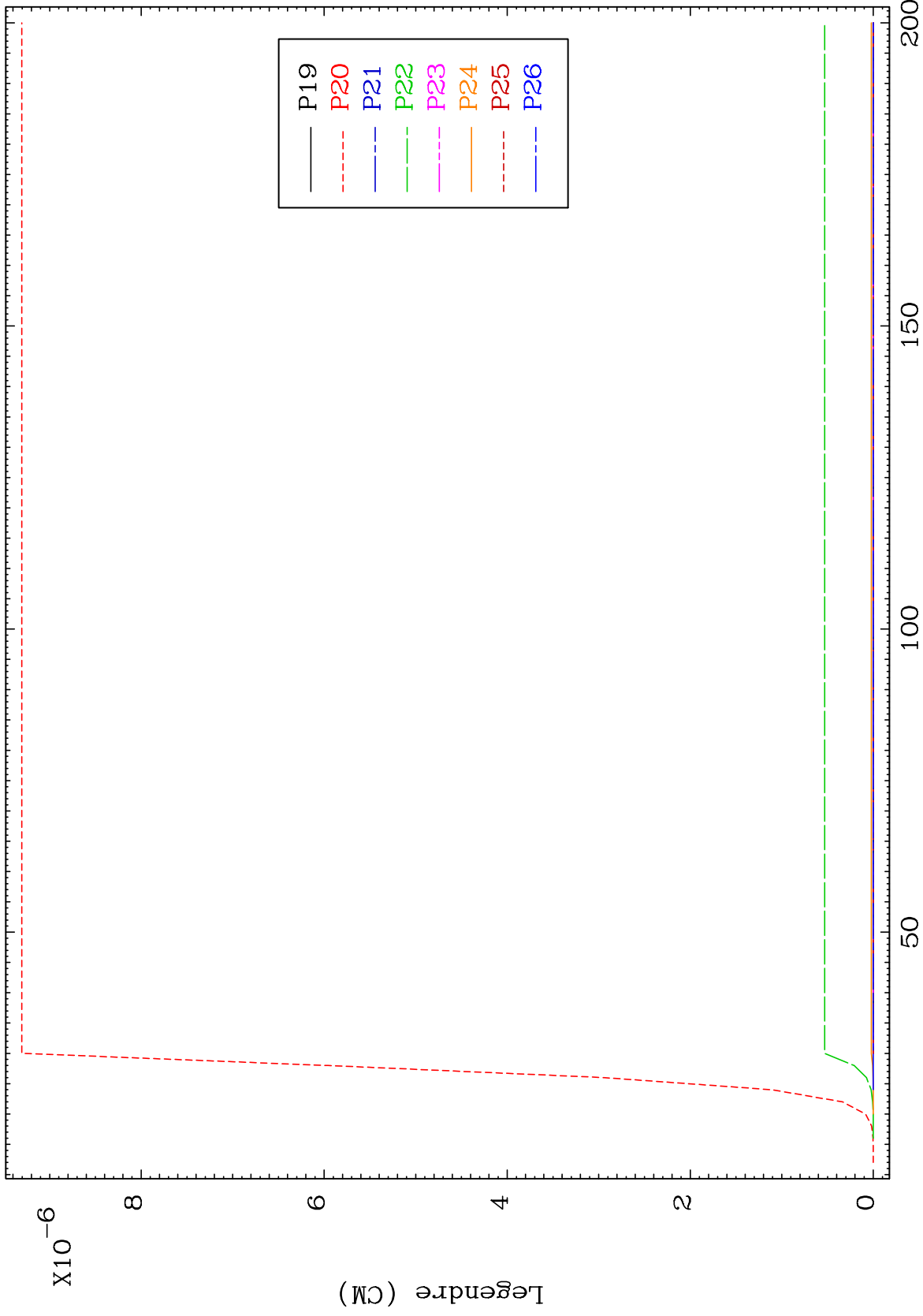
71-Lu-174



MAT 7122

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

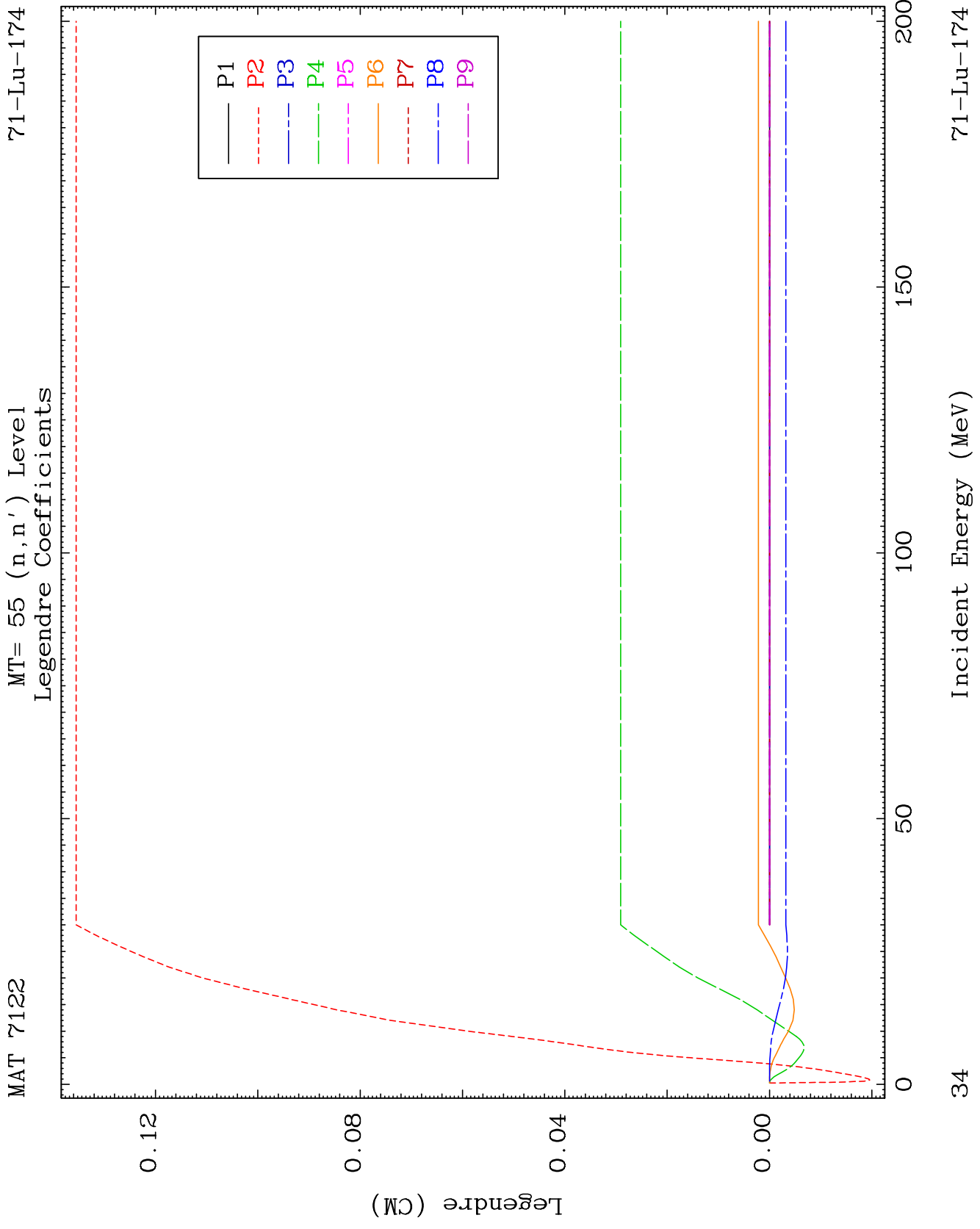
71-Lu-174

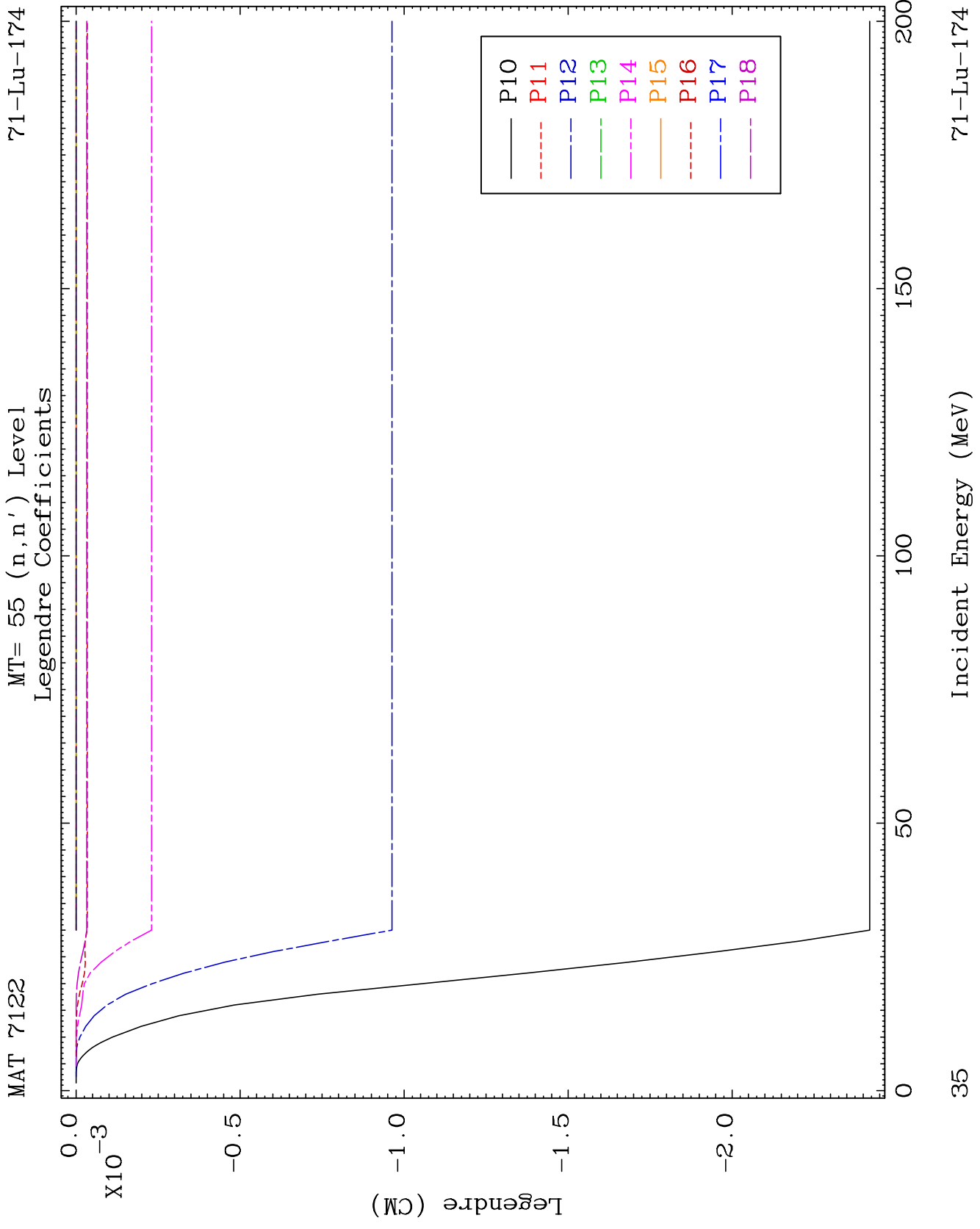


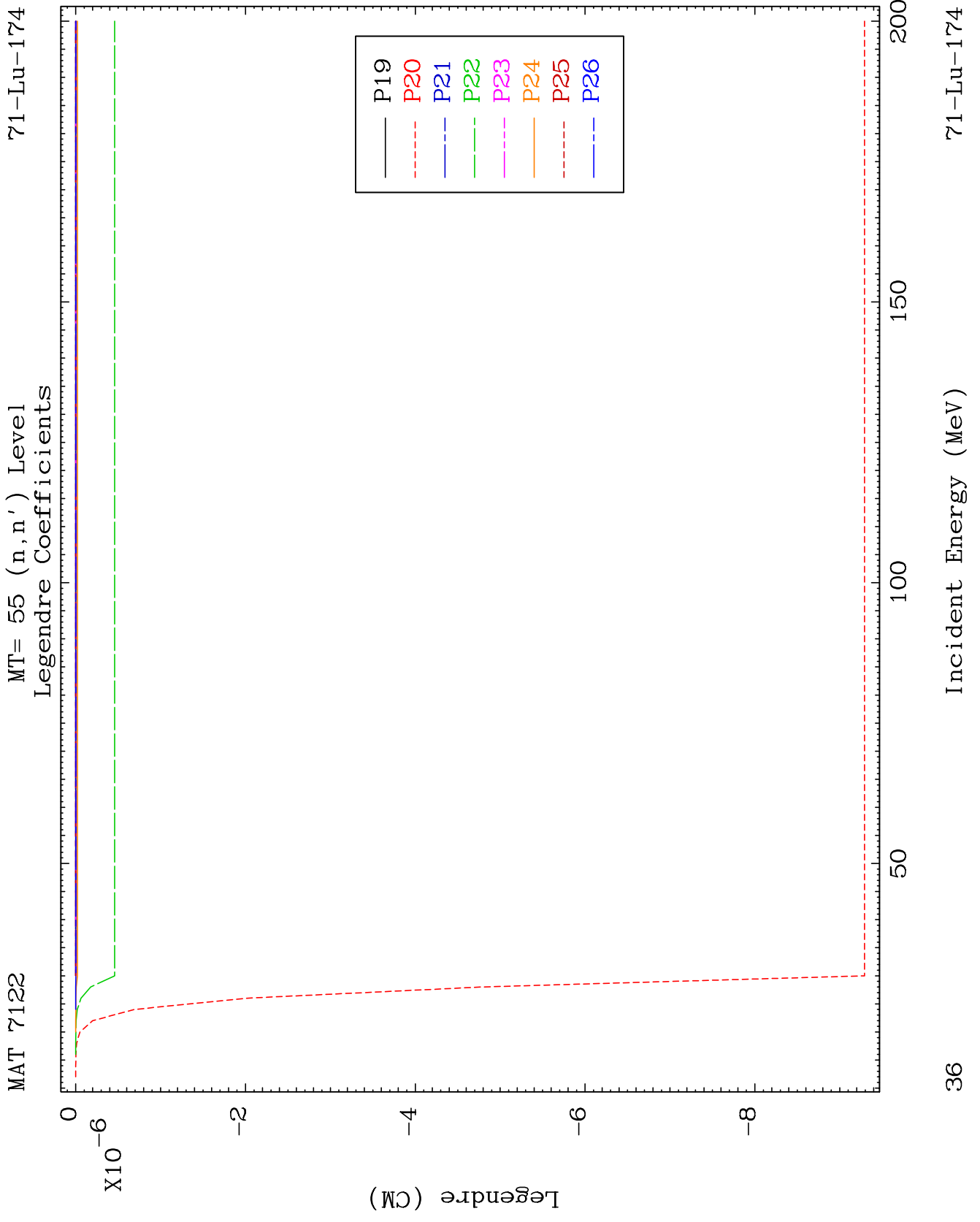
33

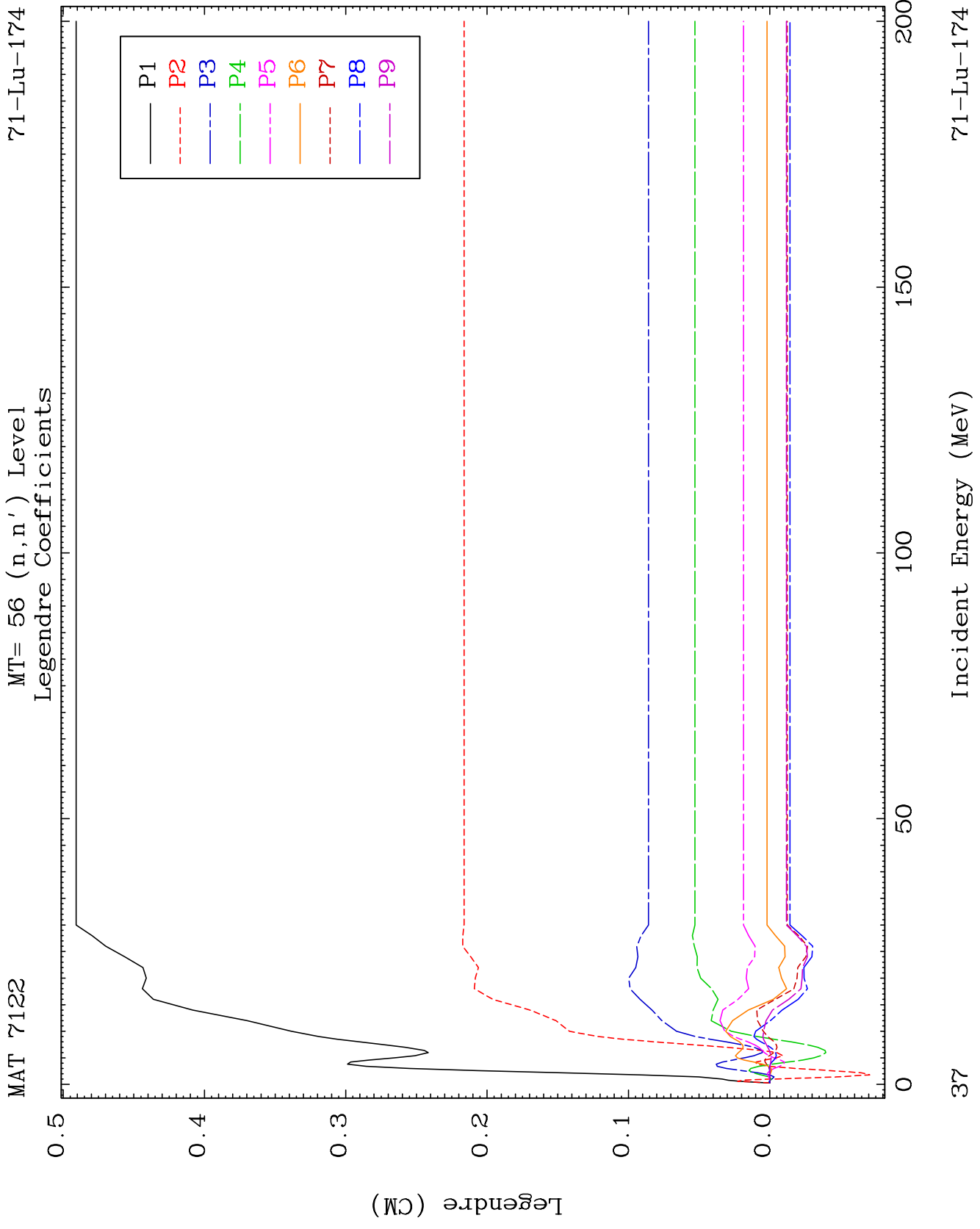
Incident Energy (MeV)

71-Lu-174





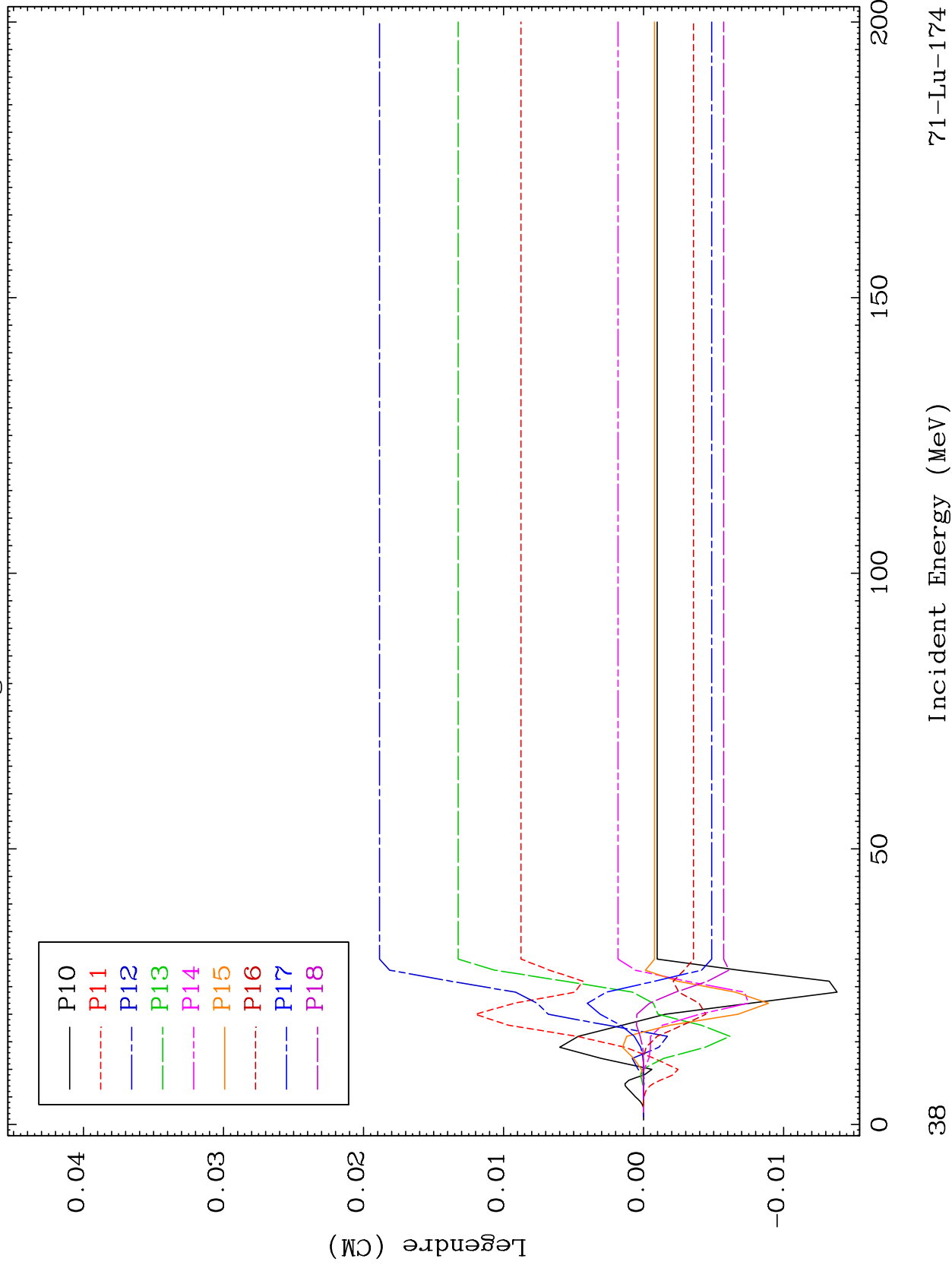




MAT 71222

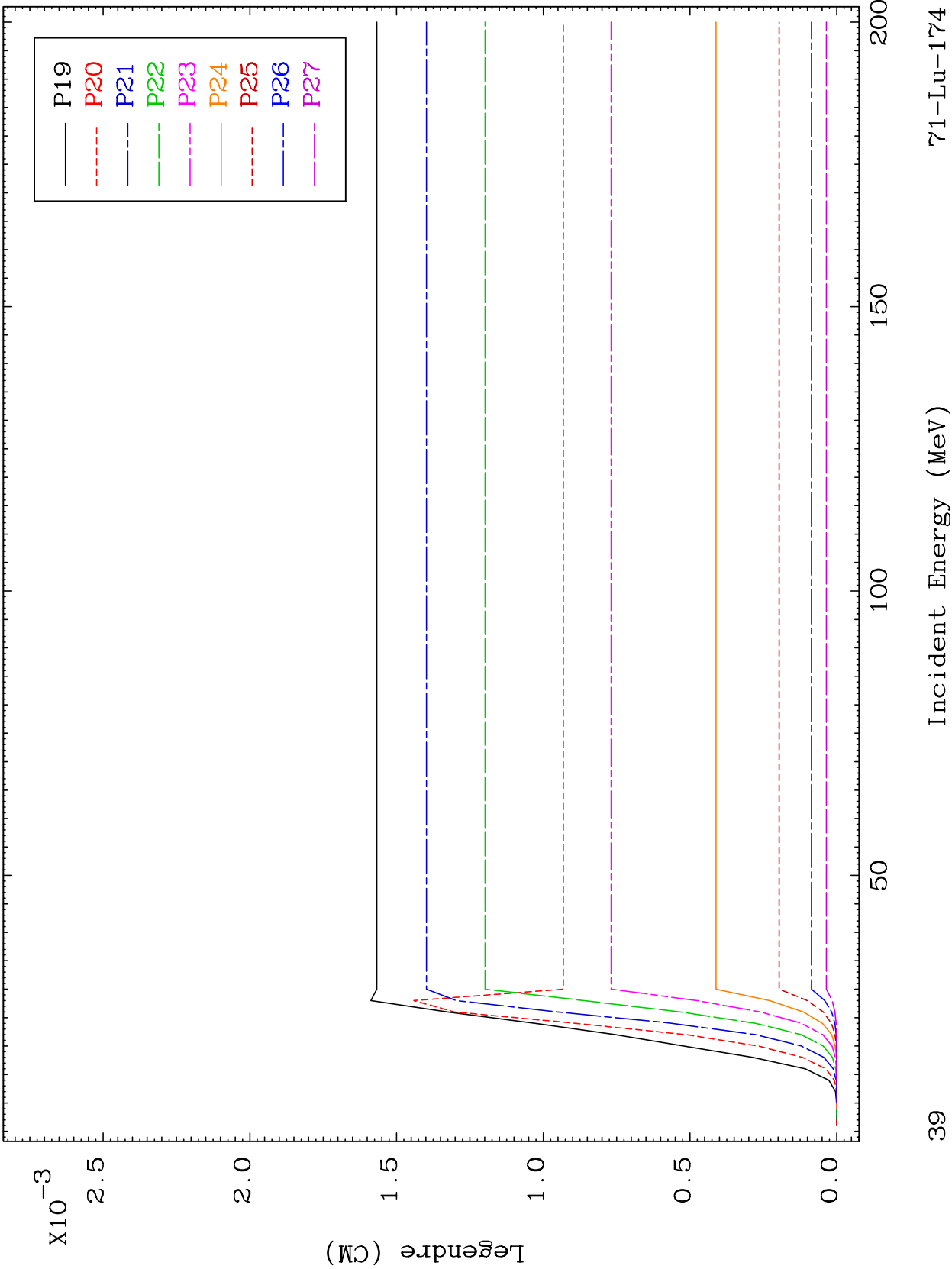
MT= 56 (n,n') Level
Legendre Coefficients

71-Lu-174



38

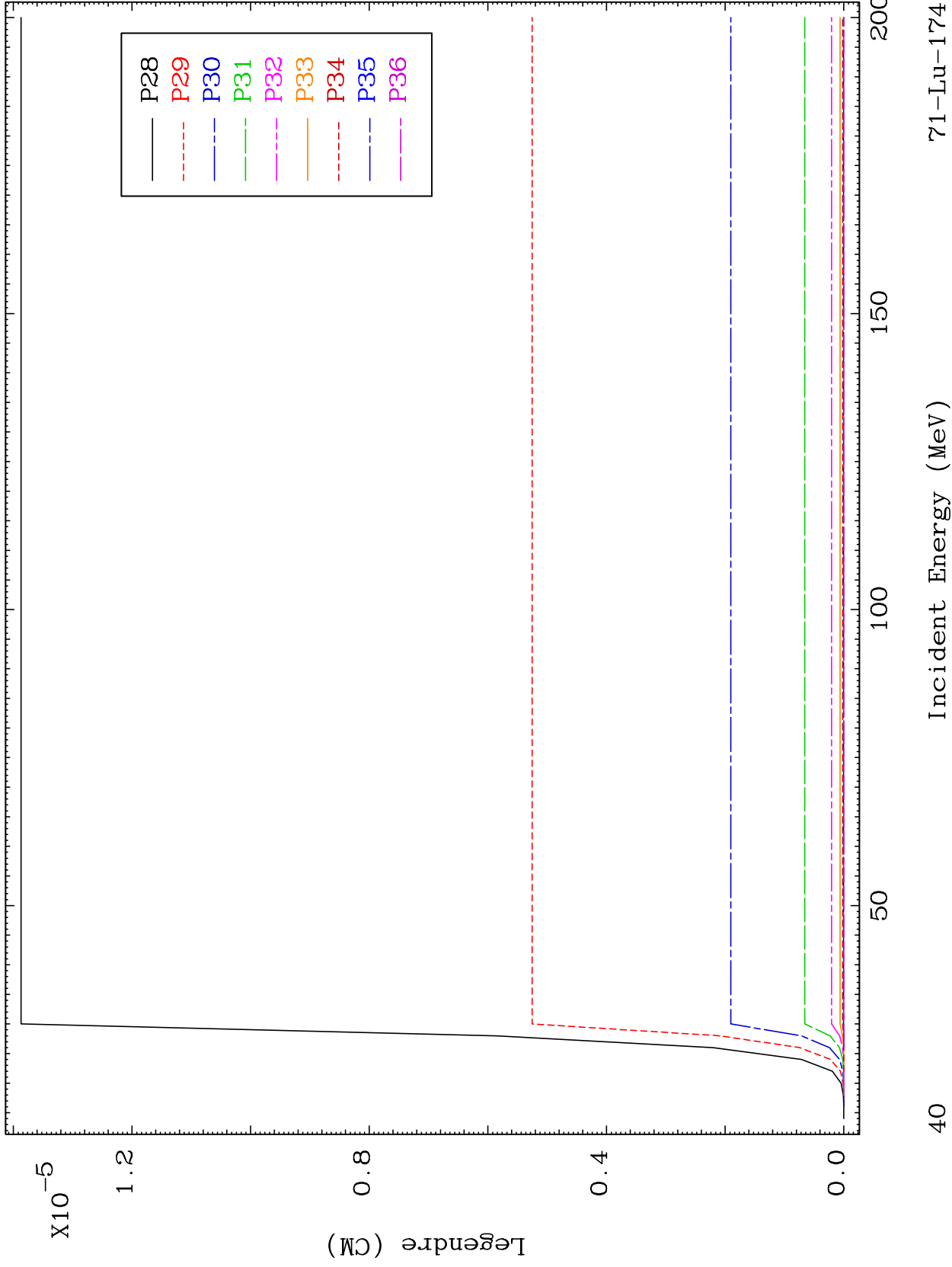
71-Lu-174

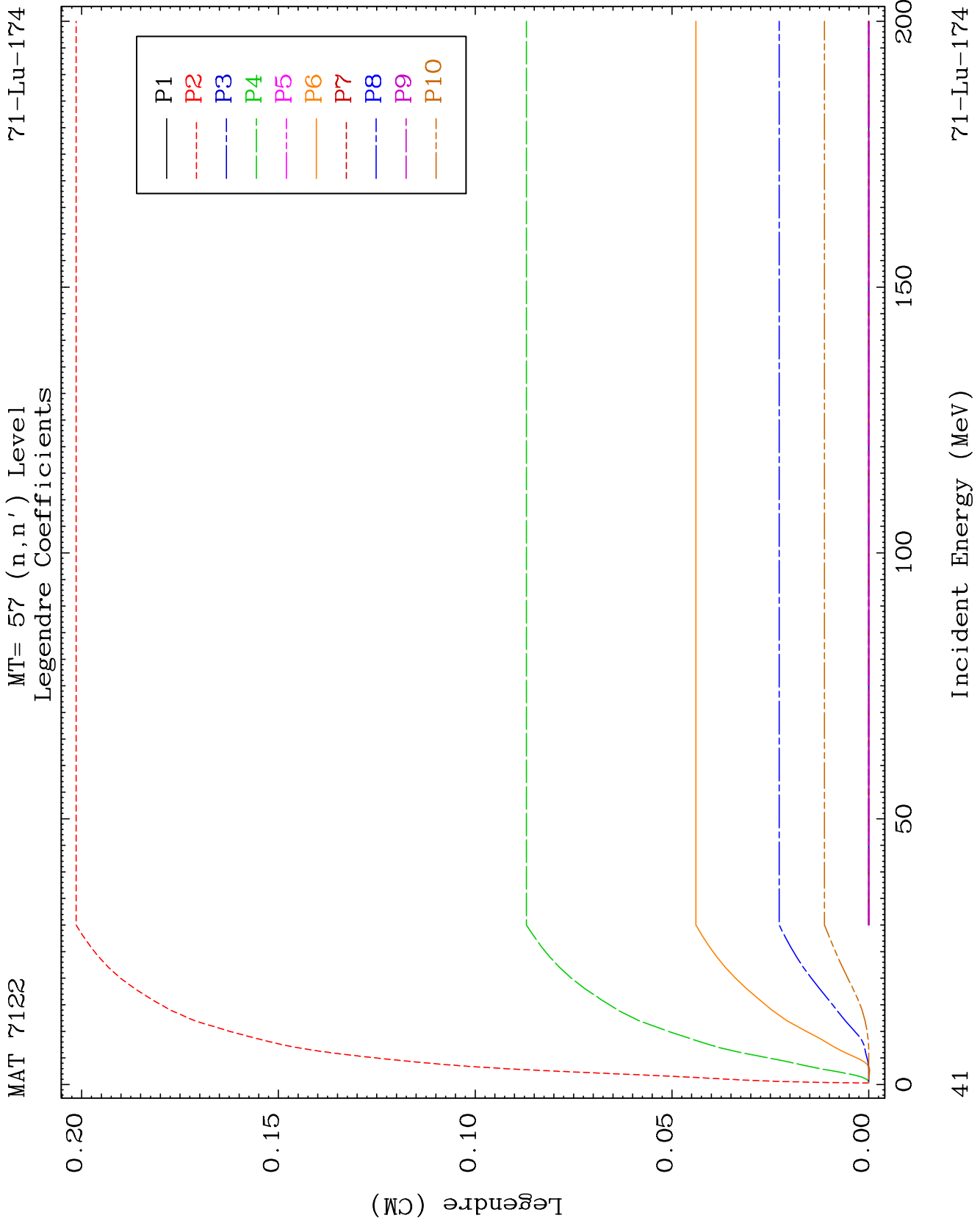


MAT 7122

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

71-Lu-174

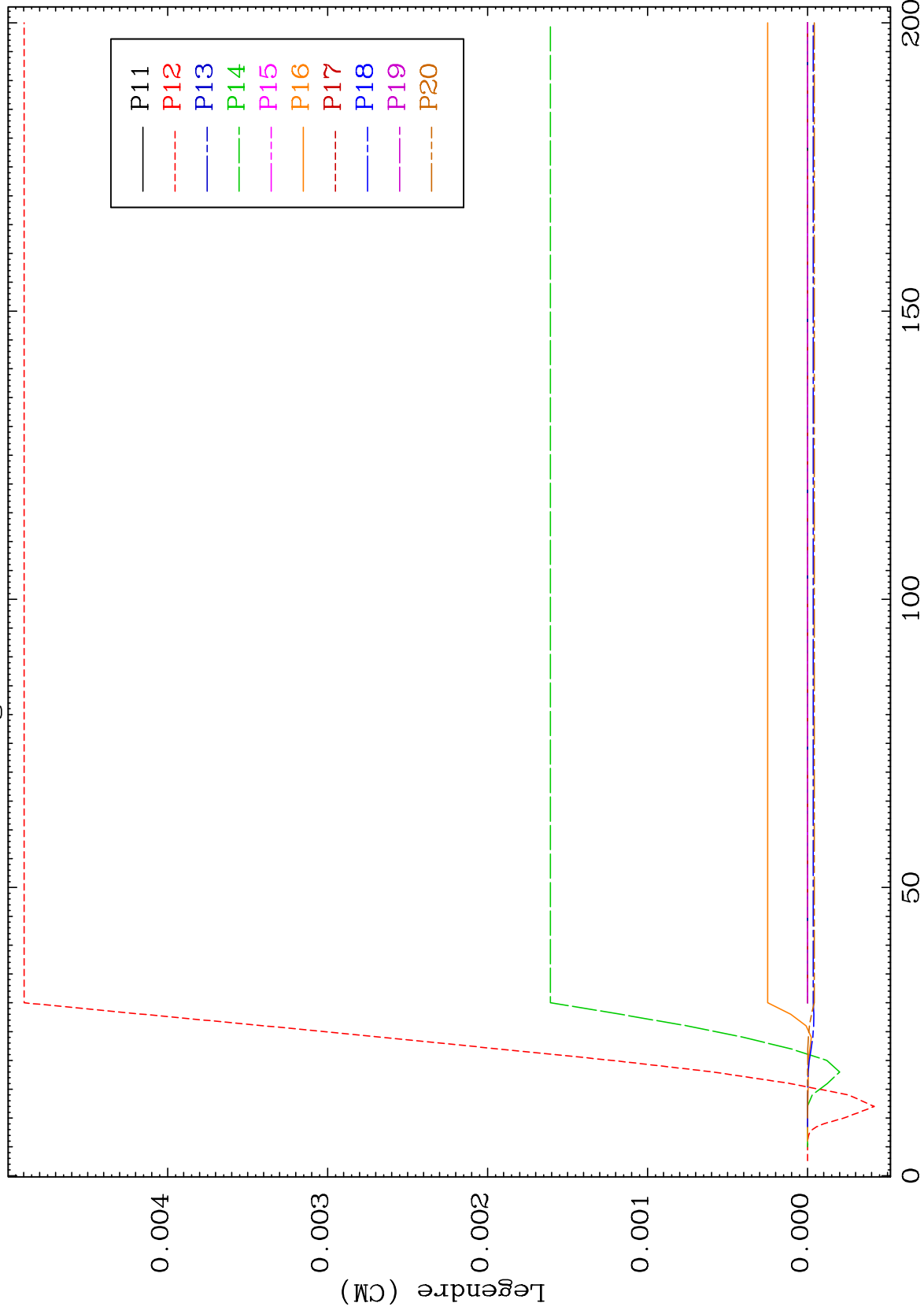




MAT 7122

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

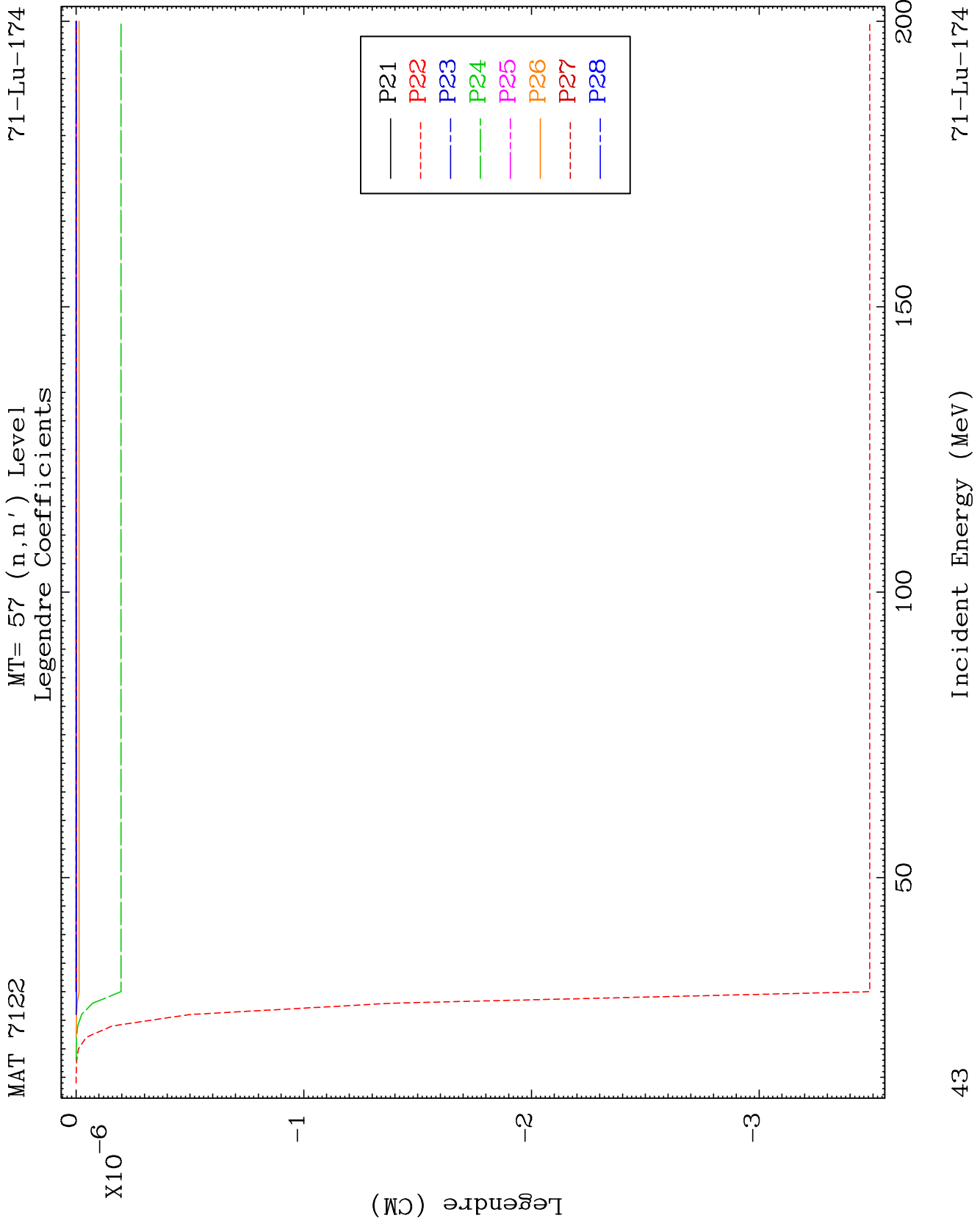
71-Lu-174



42

Incident Energy (MeV)

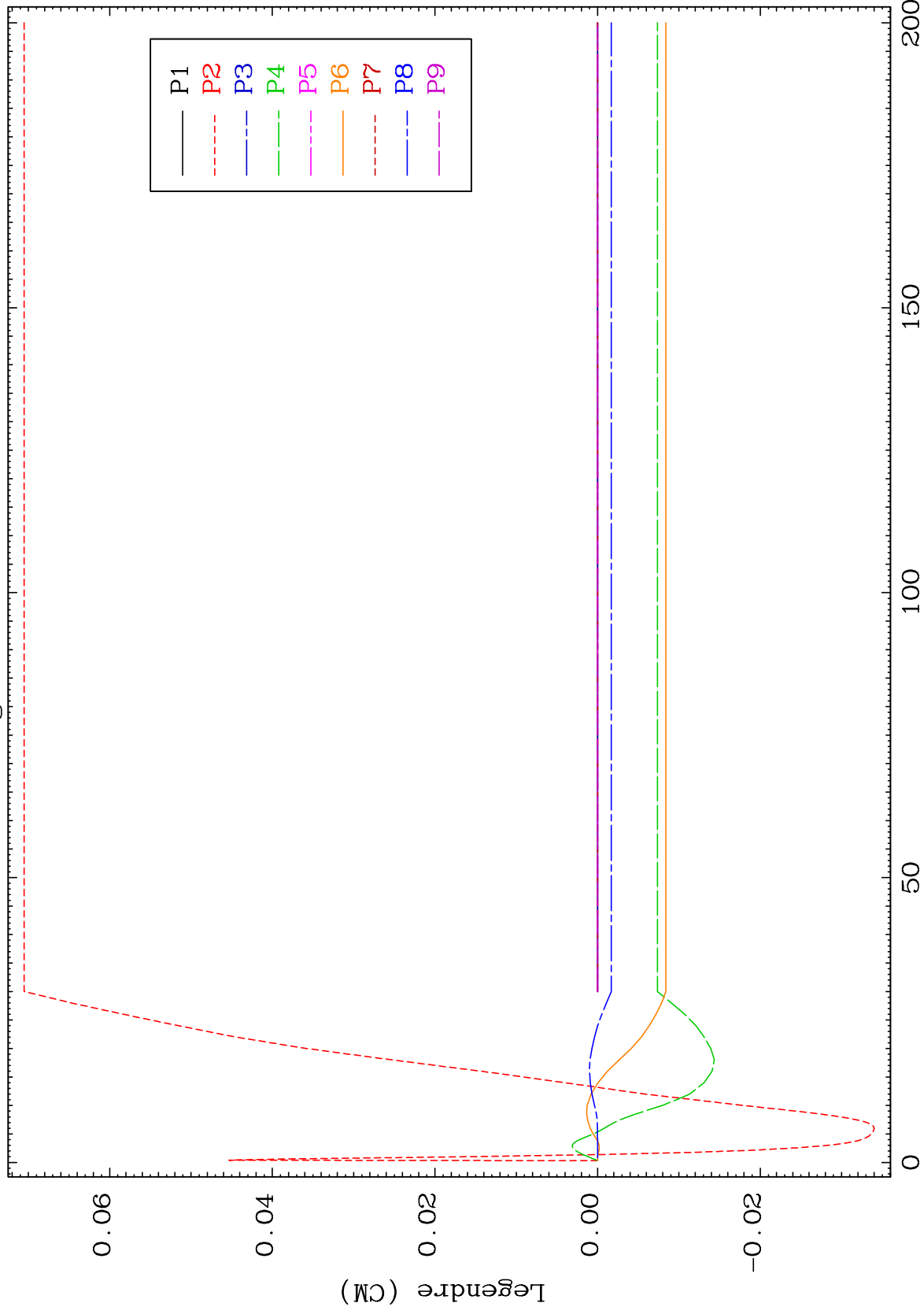
71-Lu-174



MAT 7122

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

71-Lu-174



44

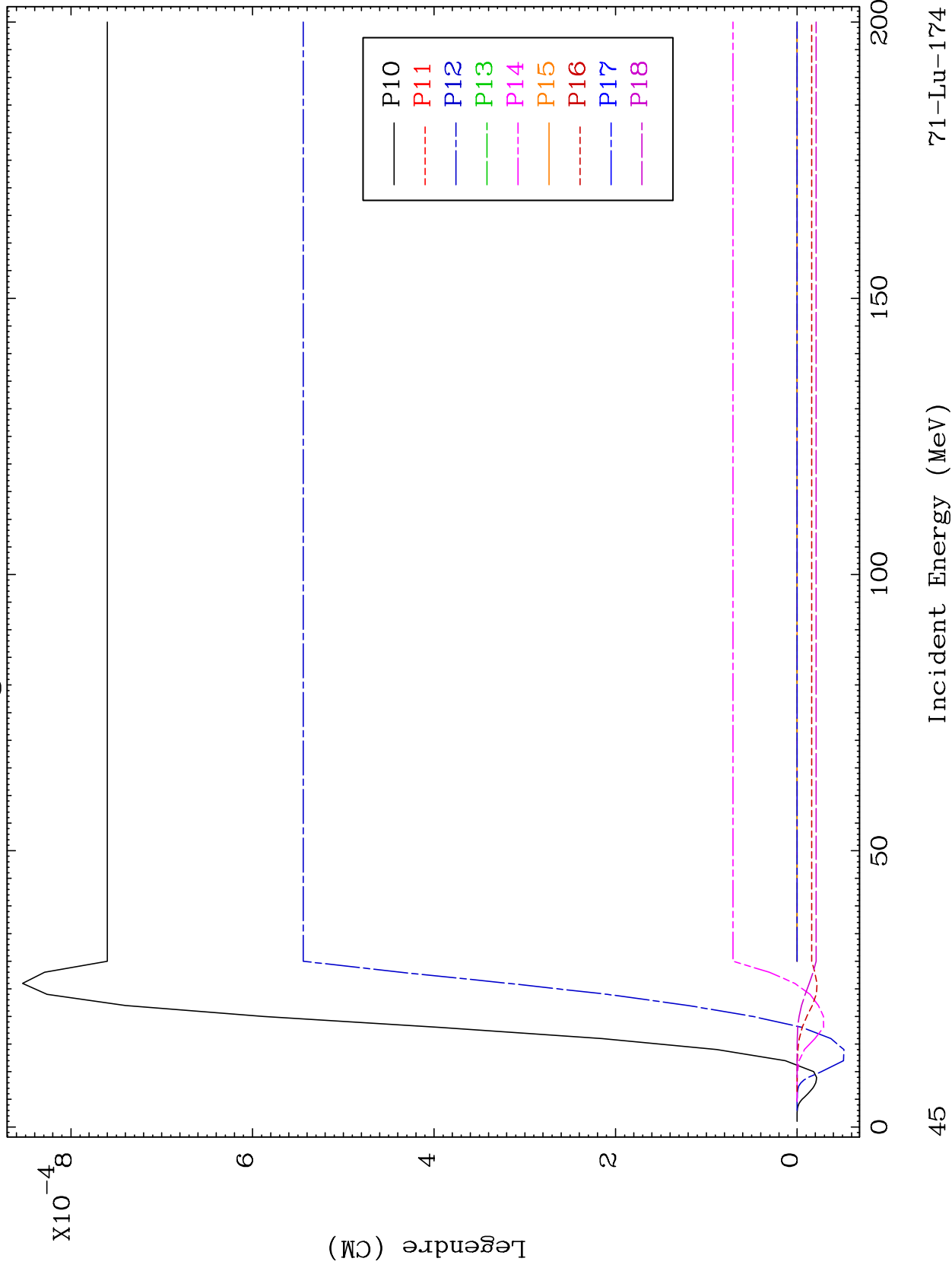
Incident Energy (MeV)

71-Lu-174

MAT 7122

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

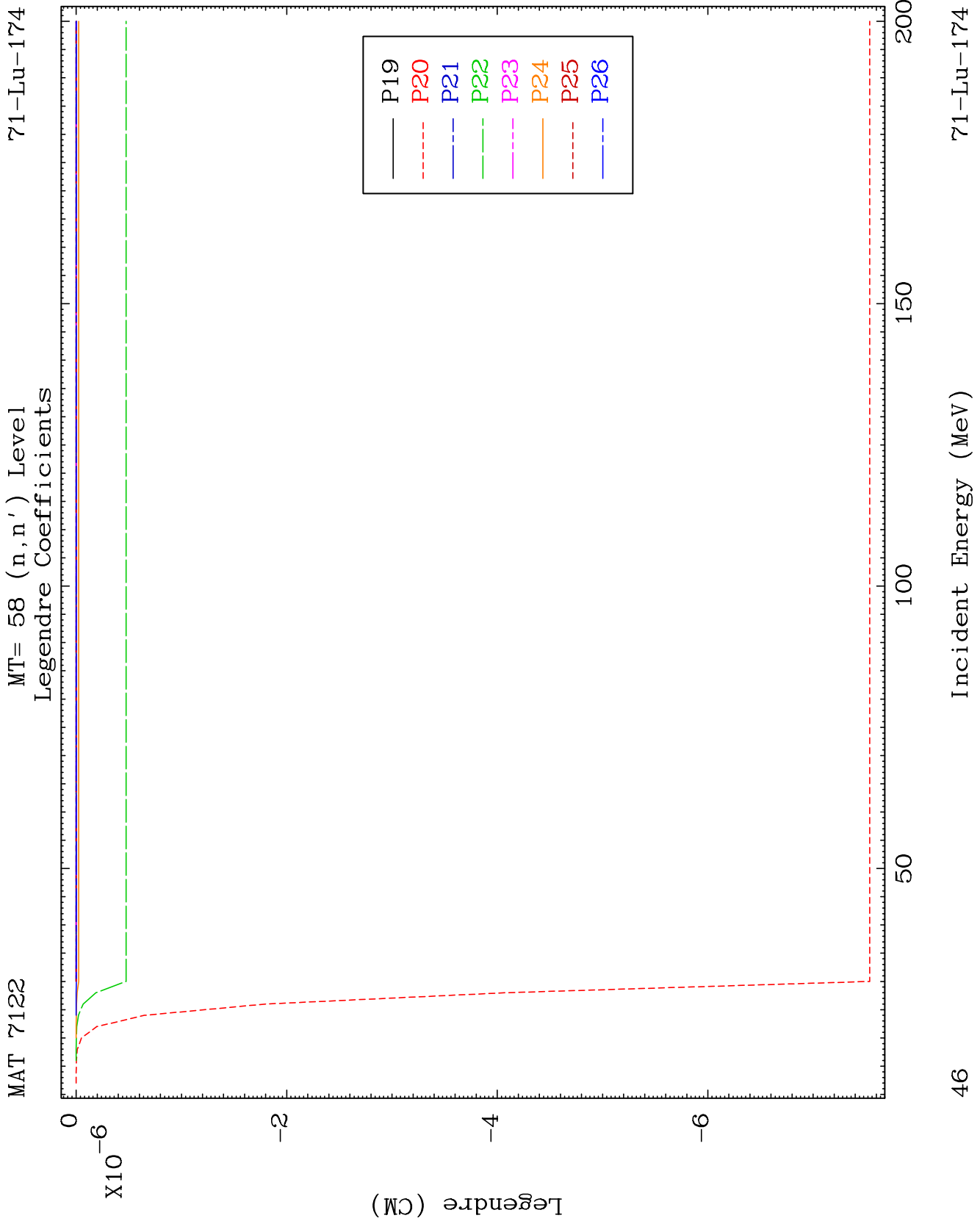
71-Lu-174



71-Lu-174

Incident Energy (MeV)

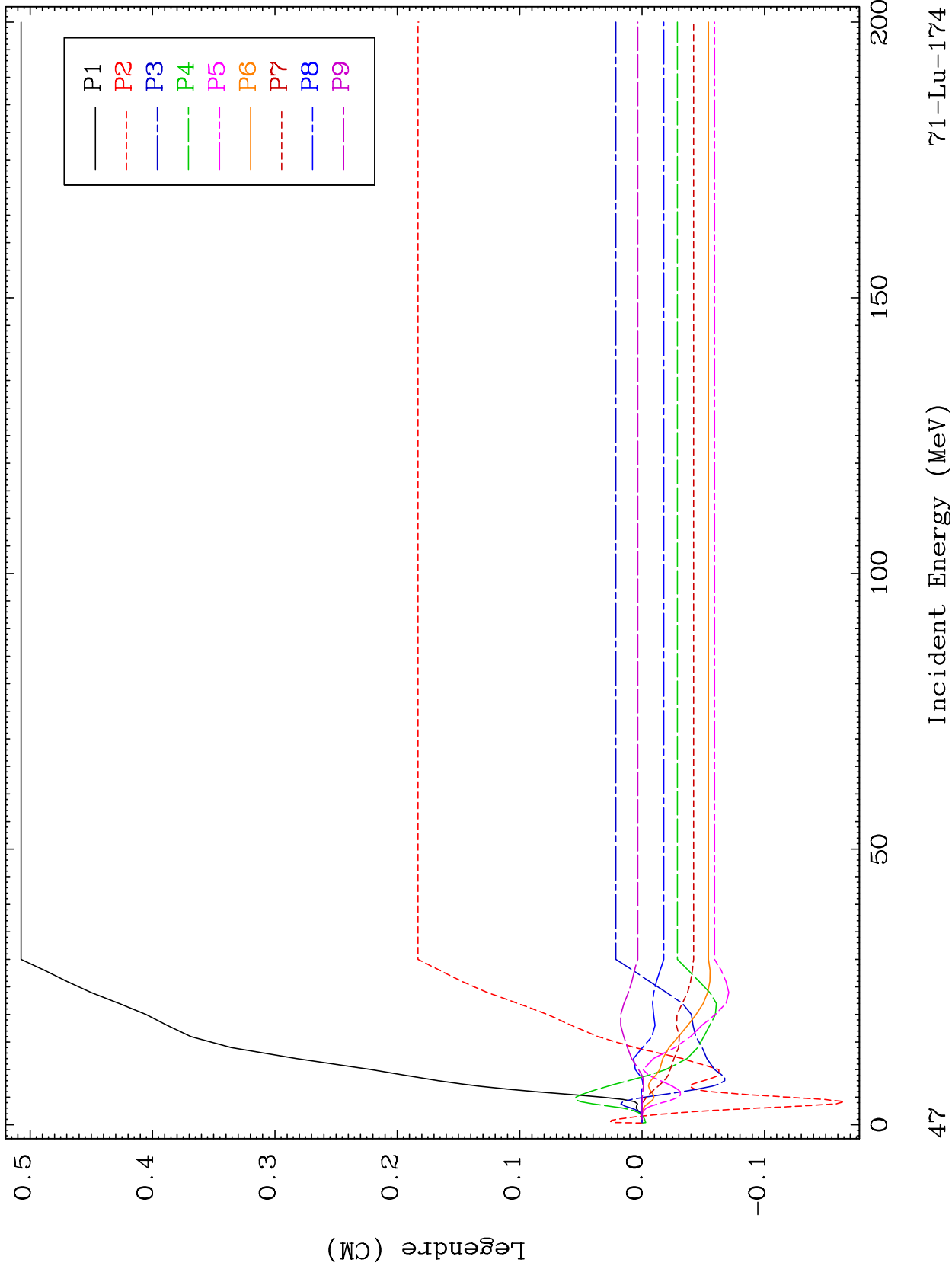
45



MAT 7122

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

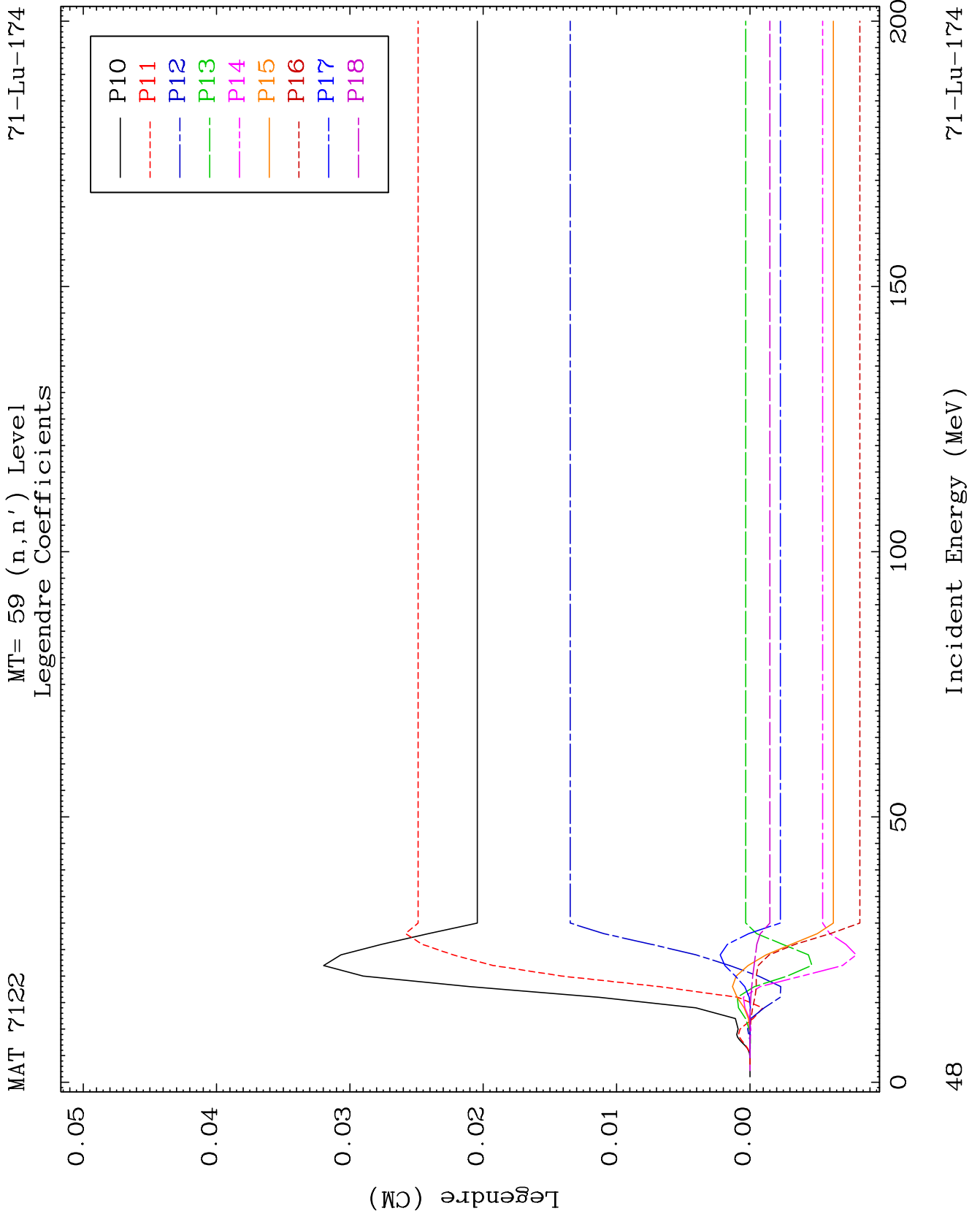
71-Lu-174



71-Lu-174

Incident Energy (MeV)

47



71-Lu-174

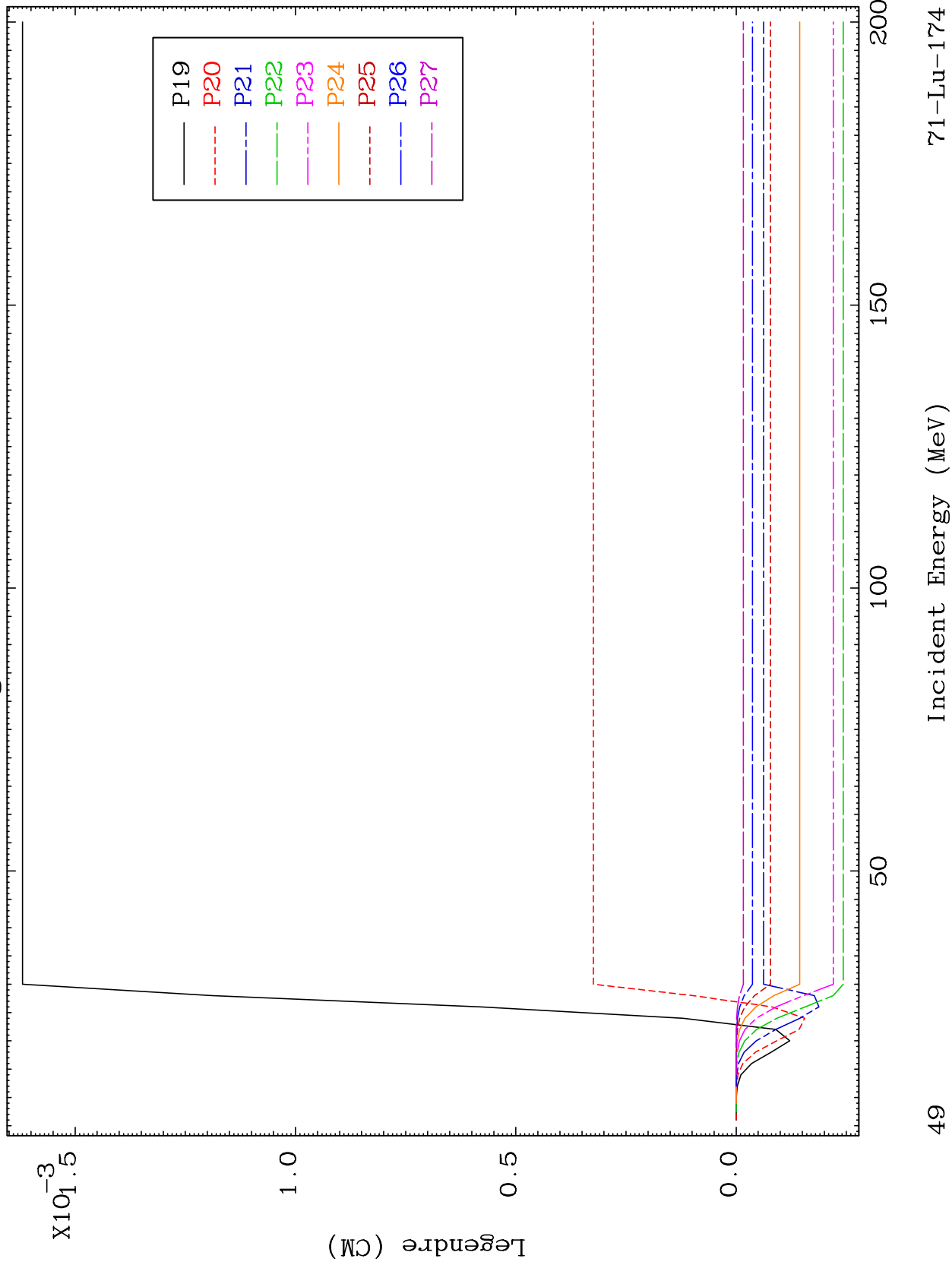
Incident Energy (MeV)

48

MAT 7122

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

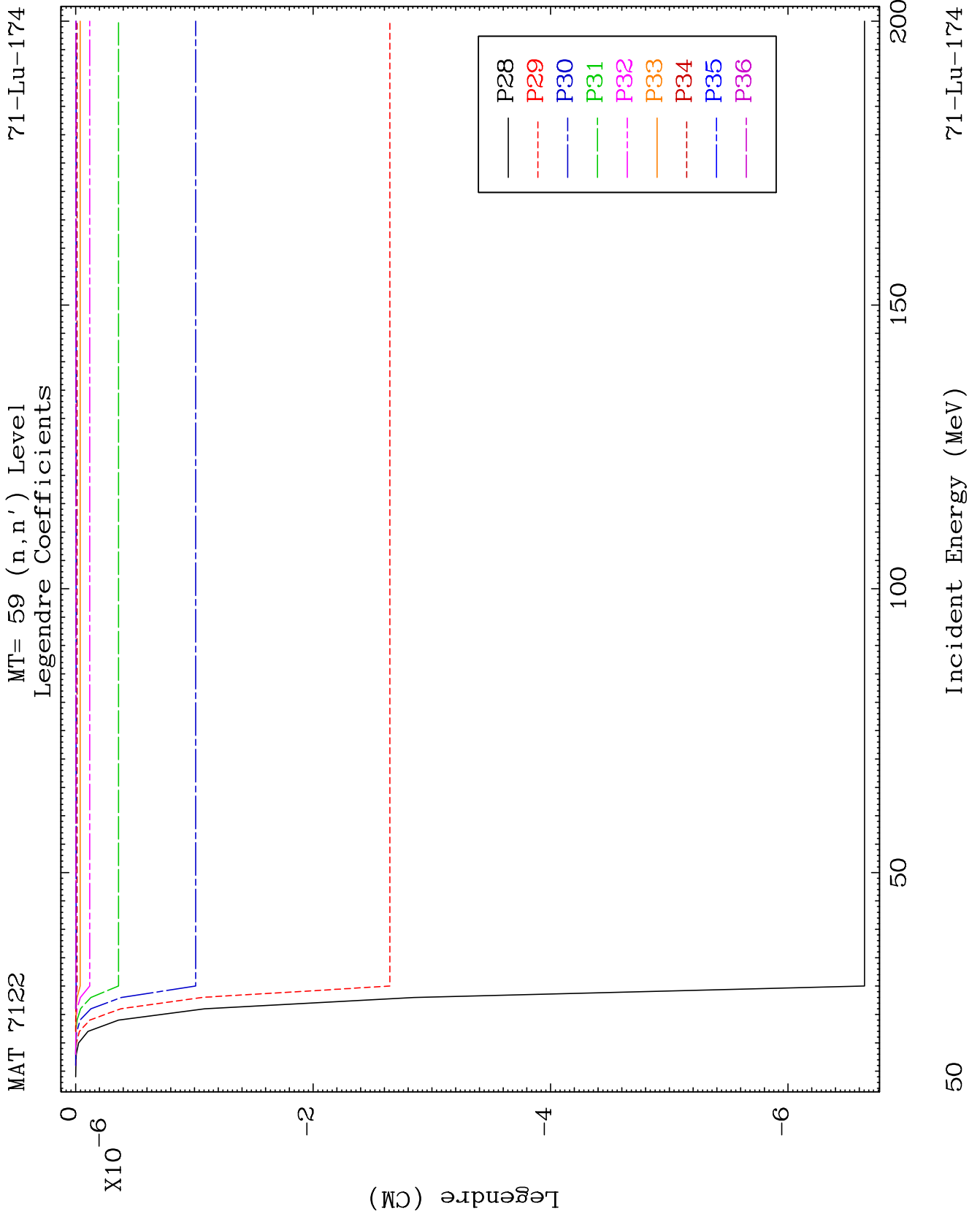
71-Lu-174

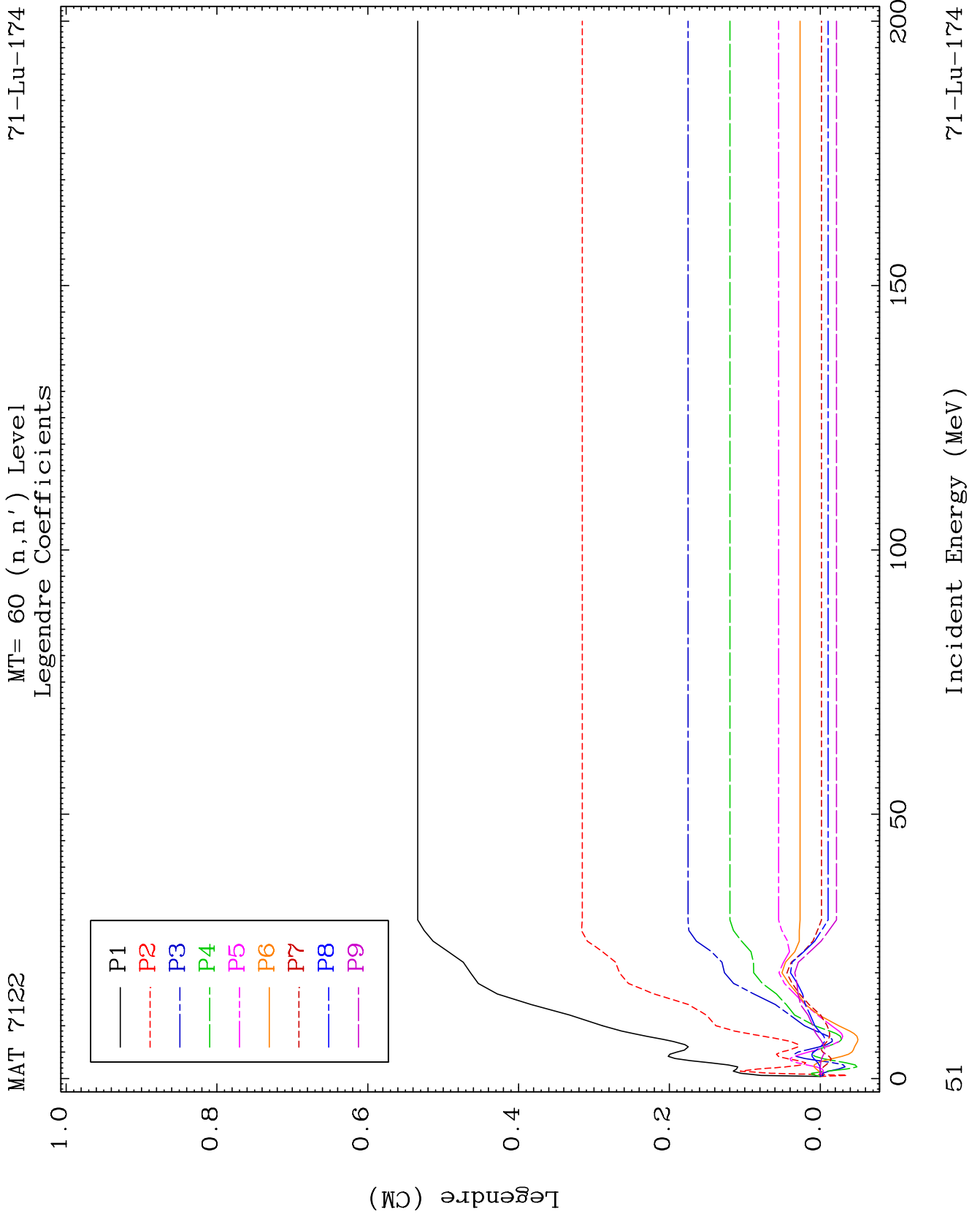


49

Incident Energy (MeV)

71-Lu-174

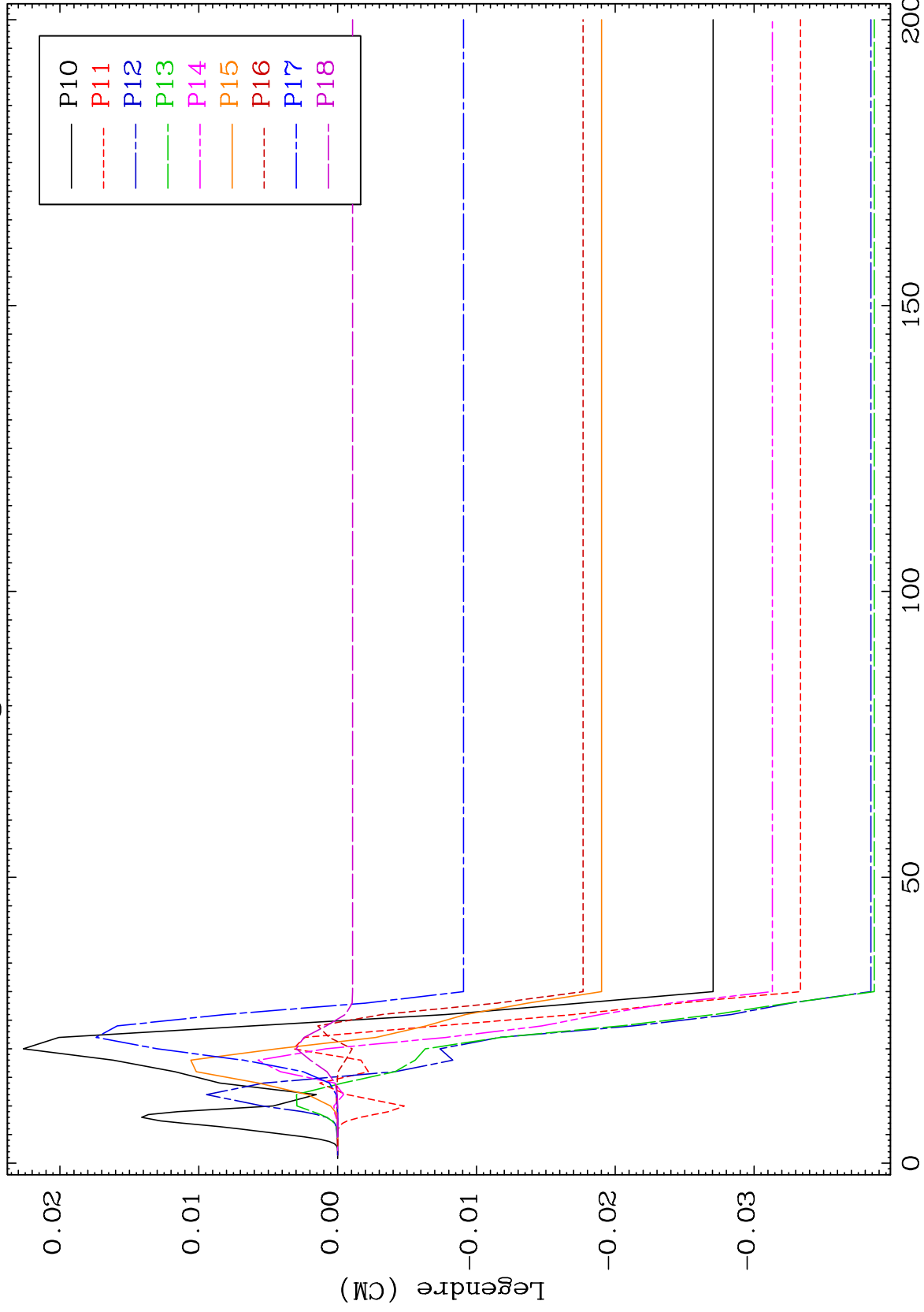




MAT 7122

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

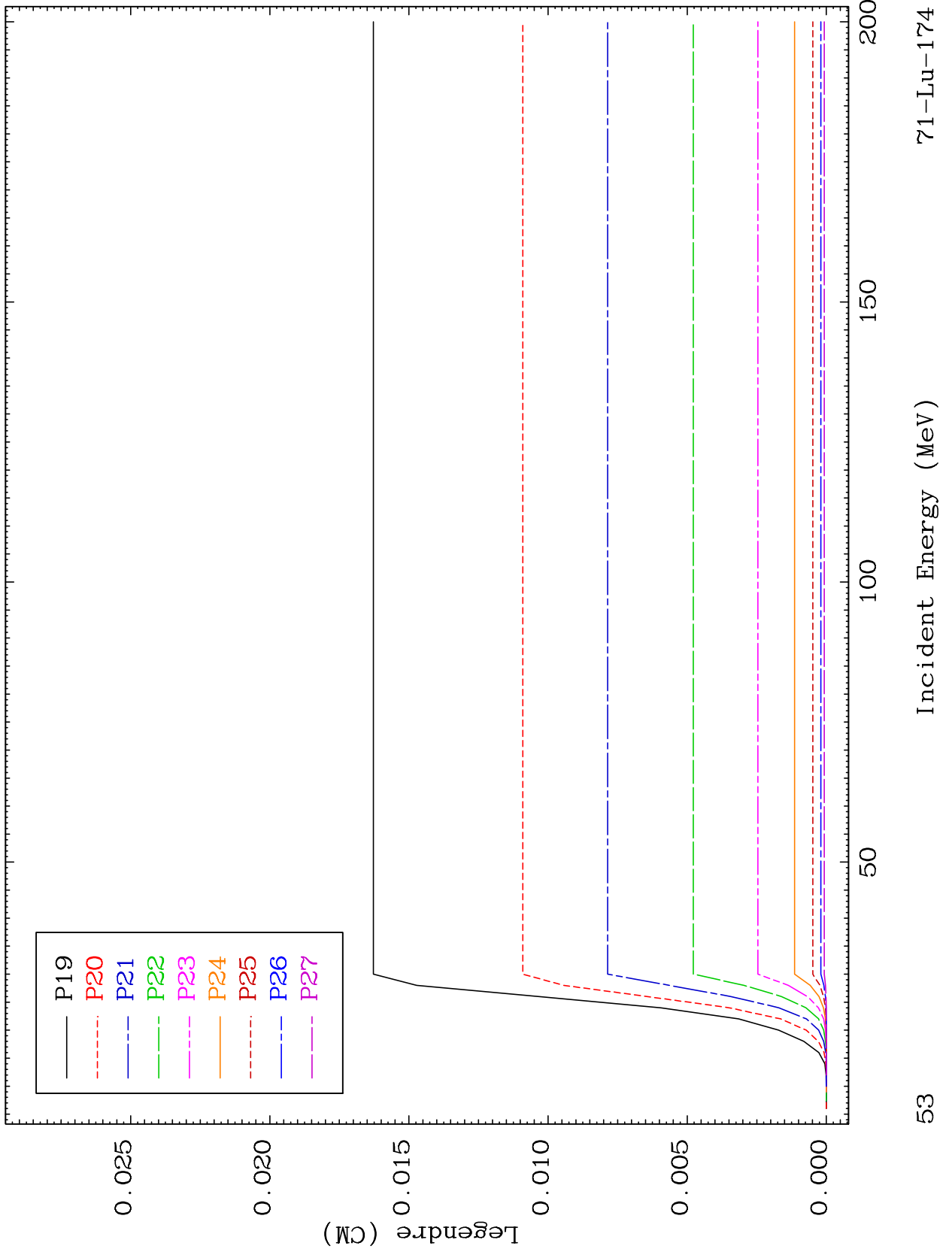
71-Lu-174

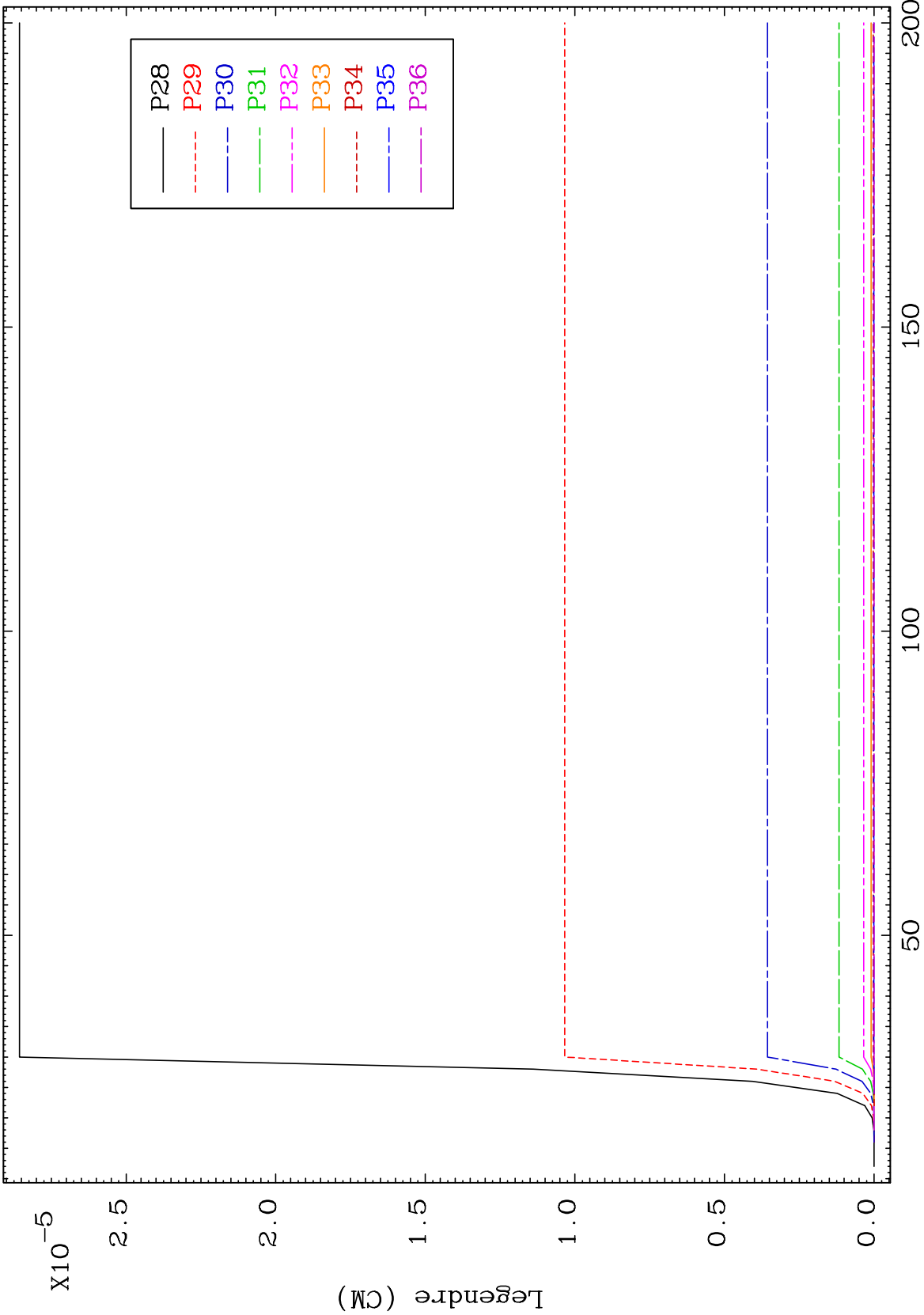


52

Incident Energy (MeV)

71-Lu-174

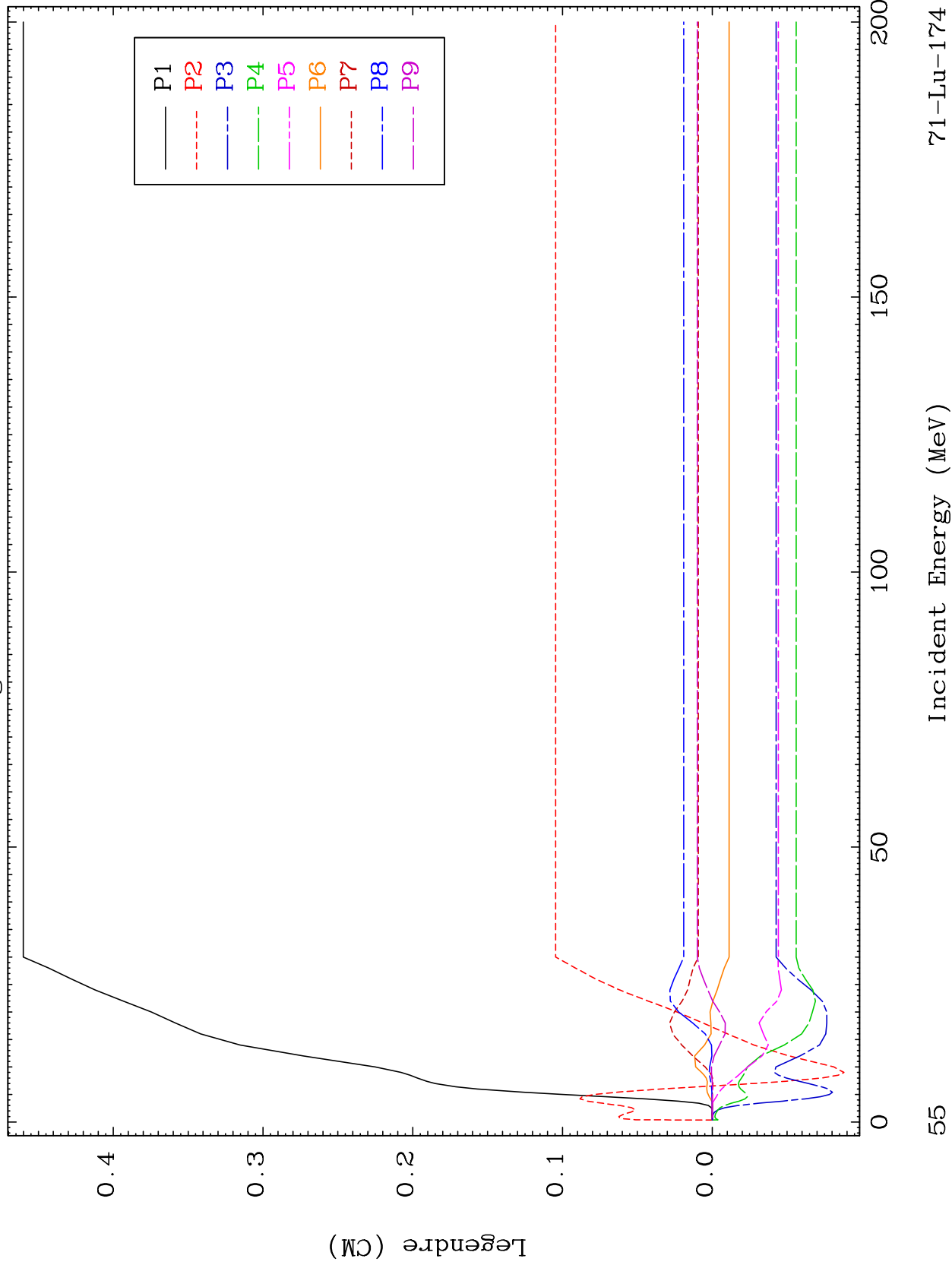




MAT 7122

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

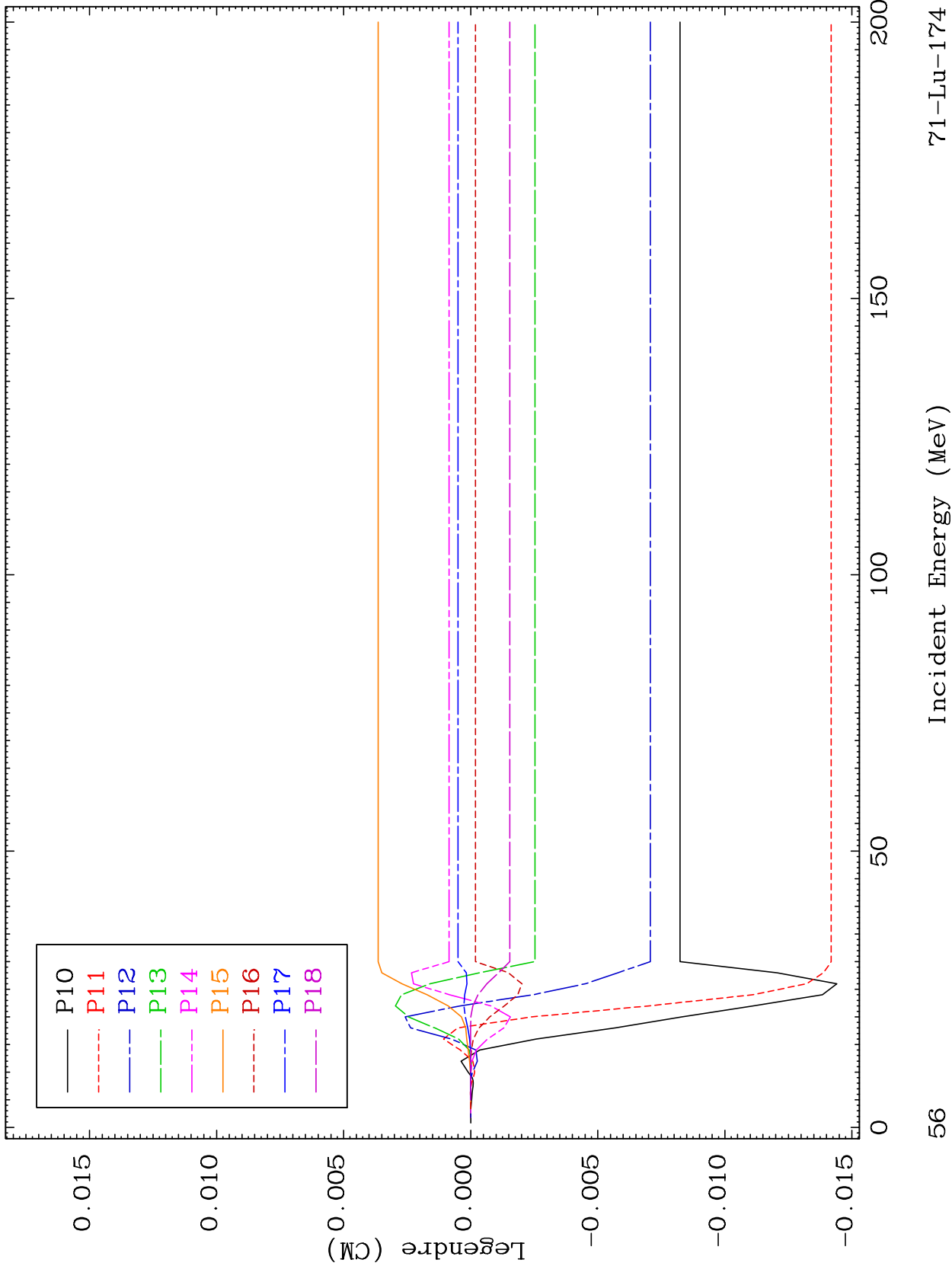
71-Lu-174

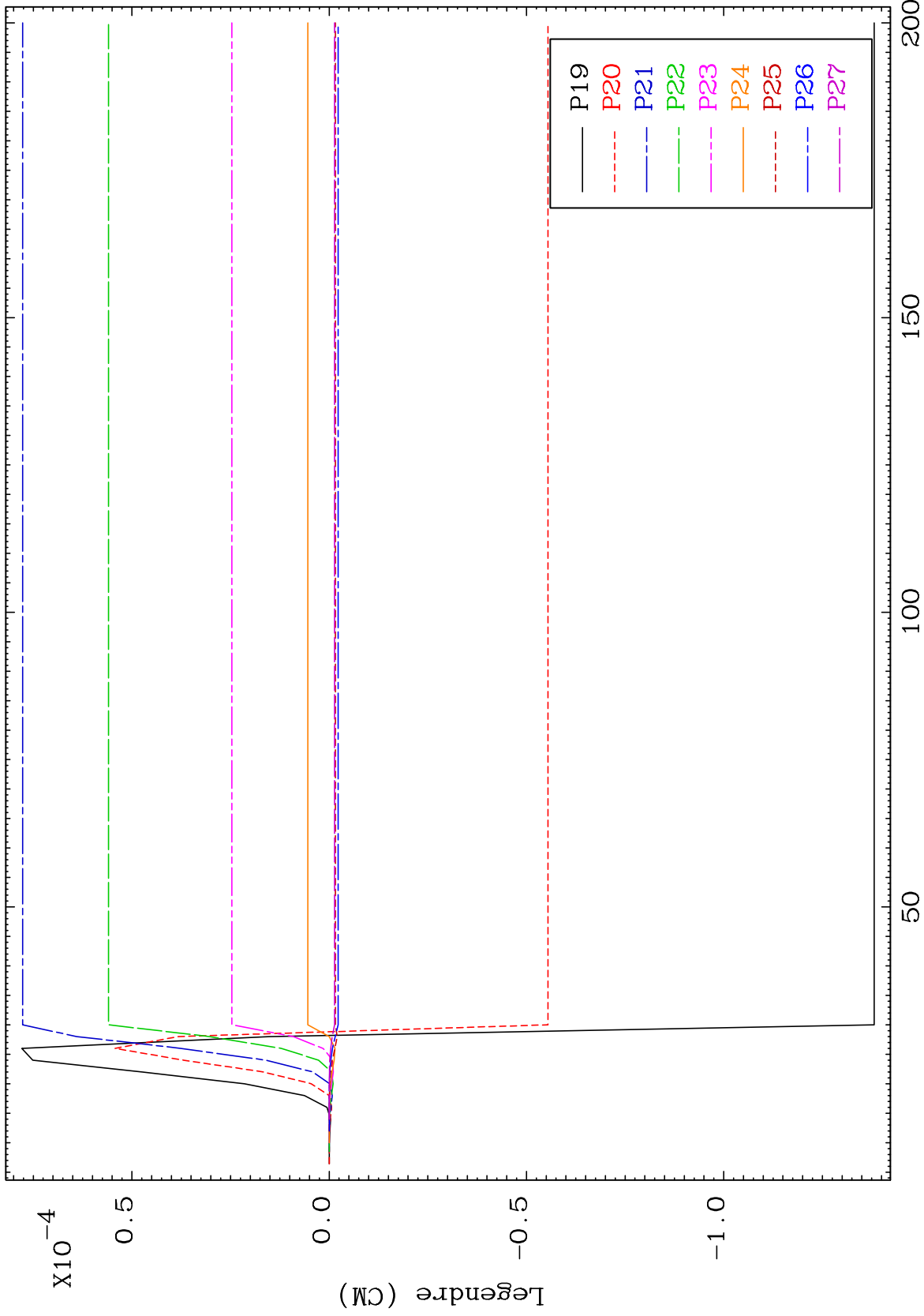


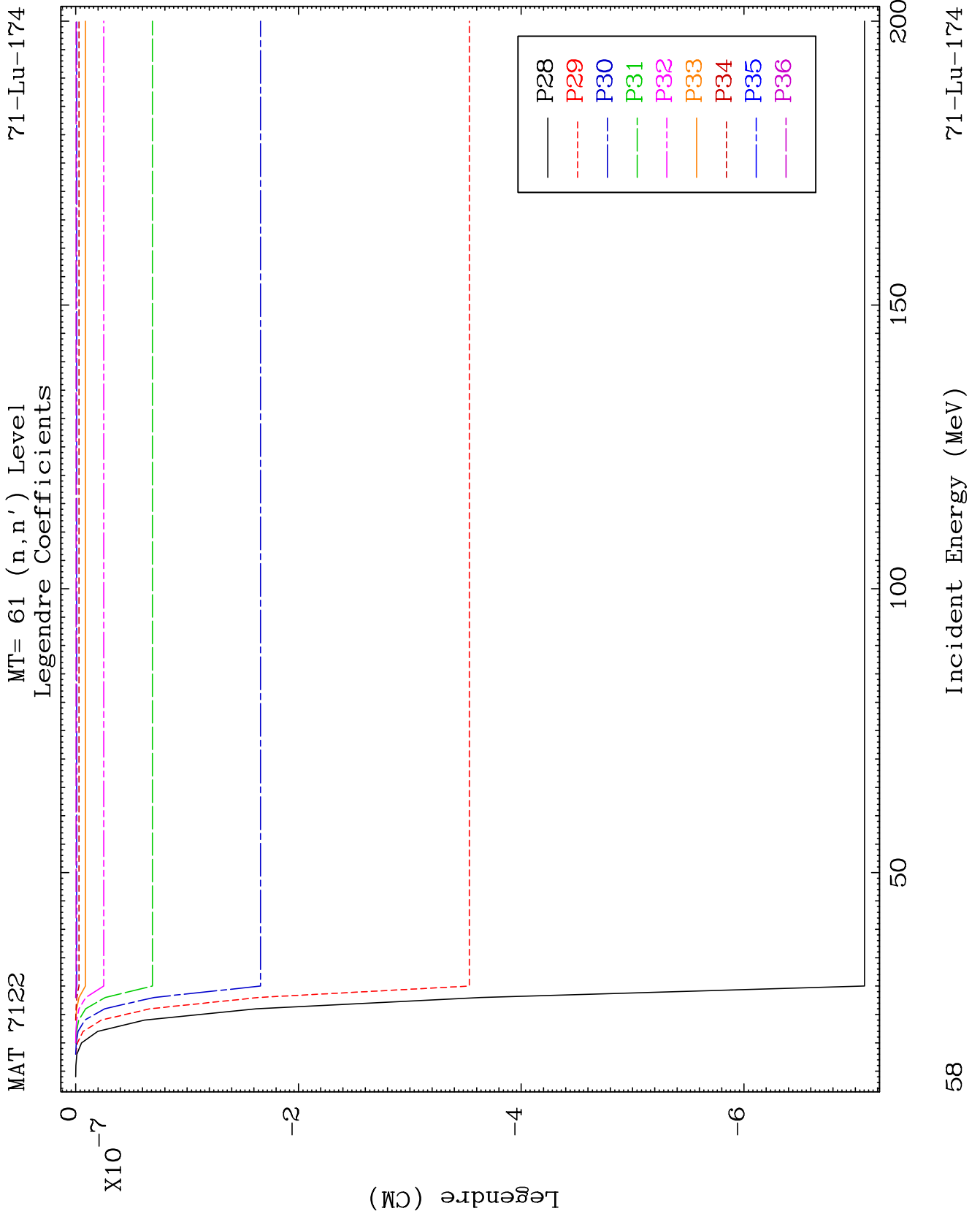
71-Lu-174

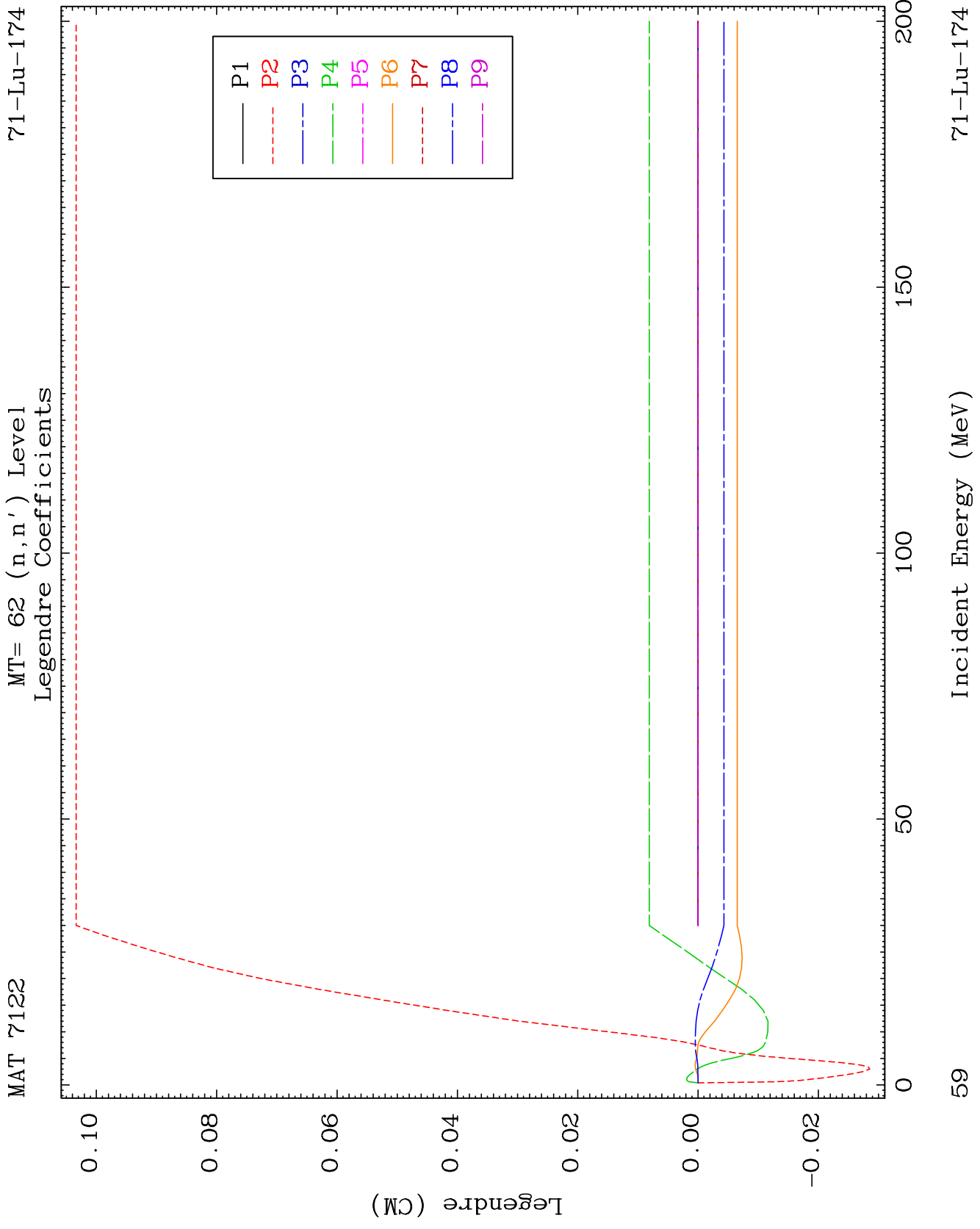
Incident Energy (MeV)

55





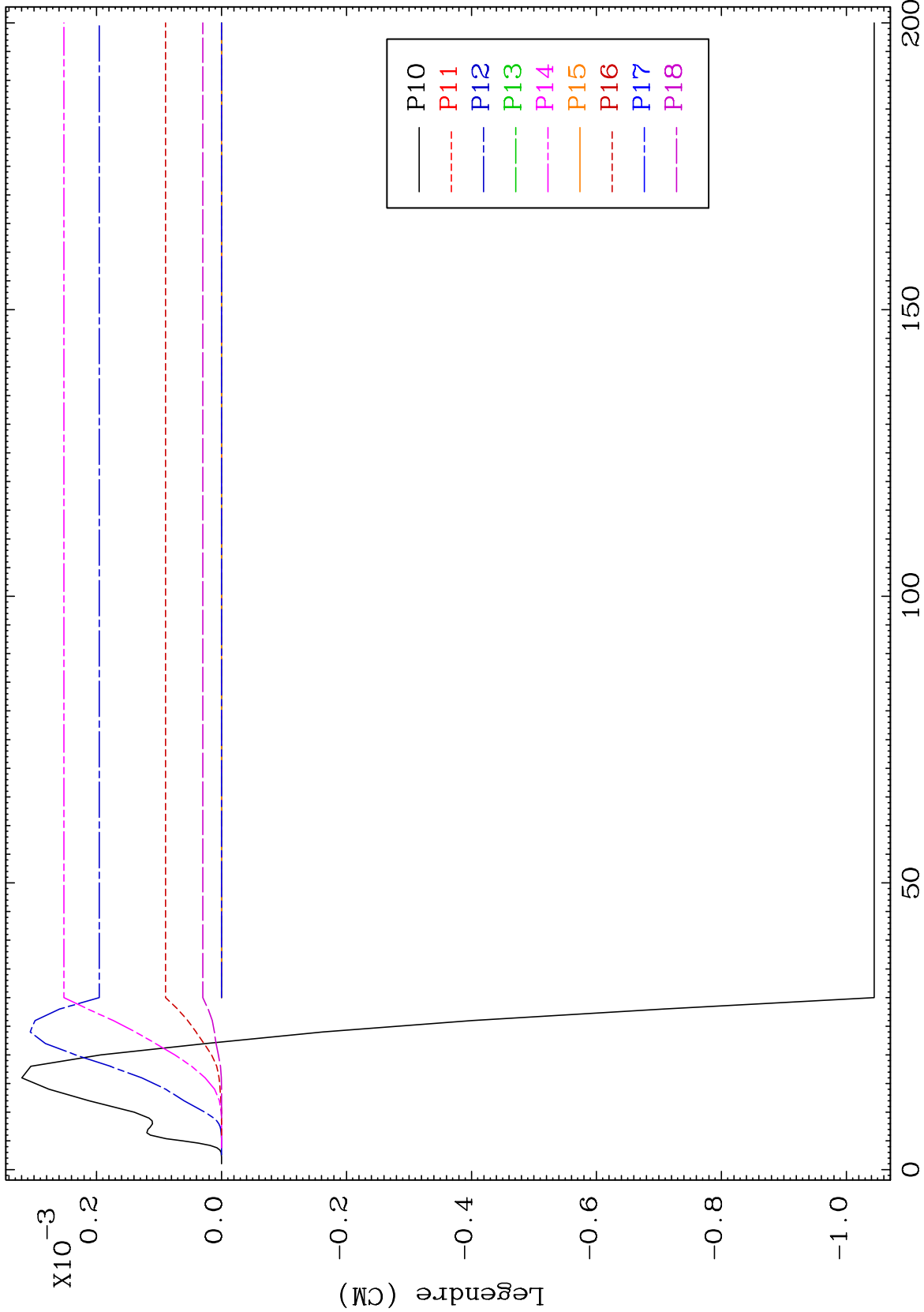




MAT 7122

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

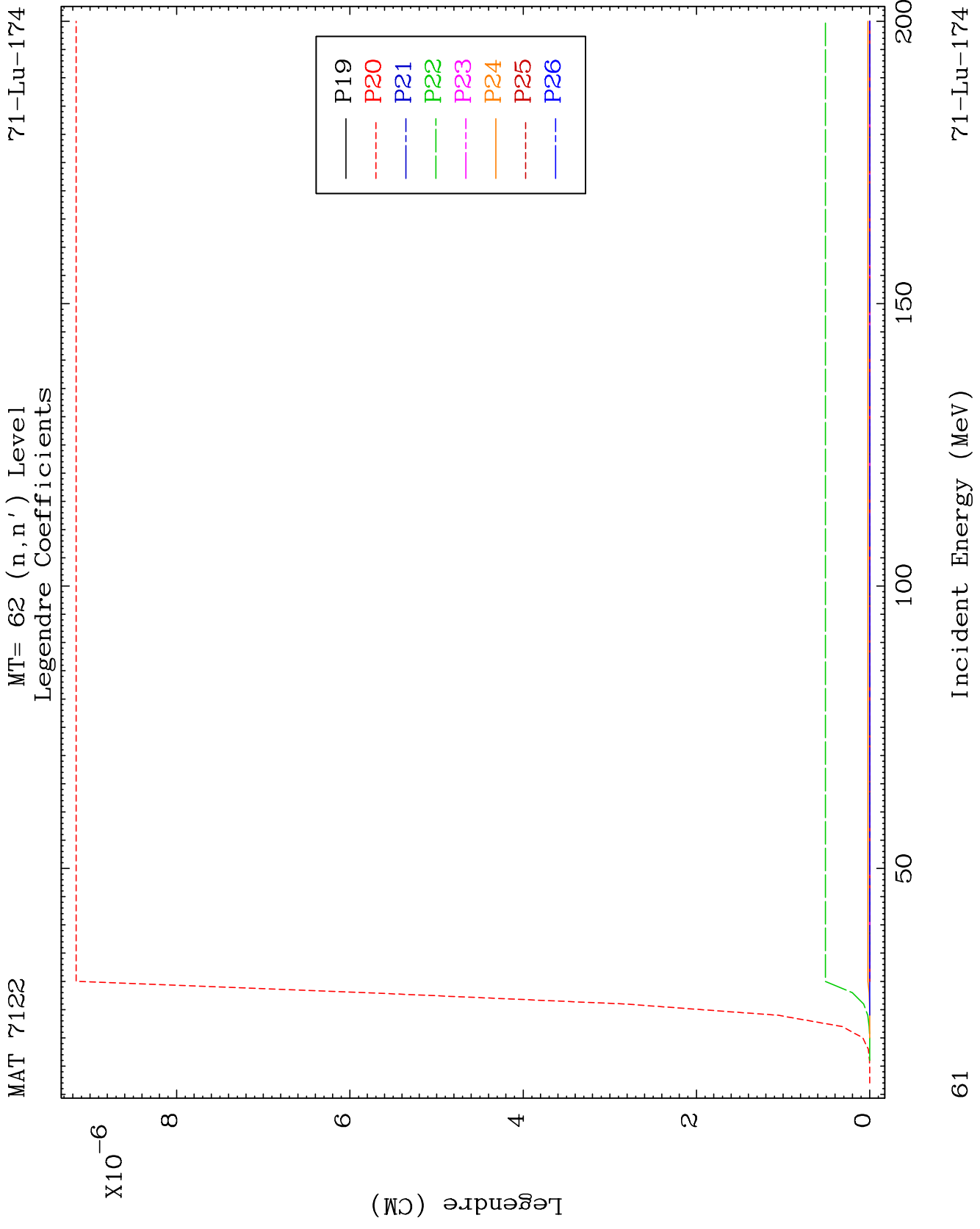
71-Lu-174



60

Incident Energy (MeV)

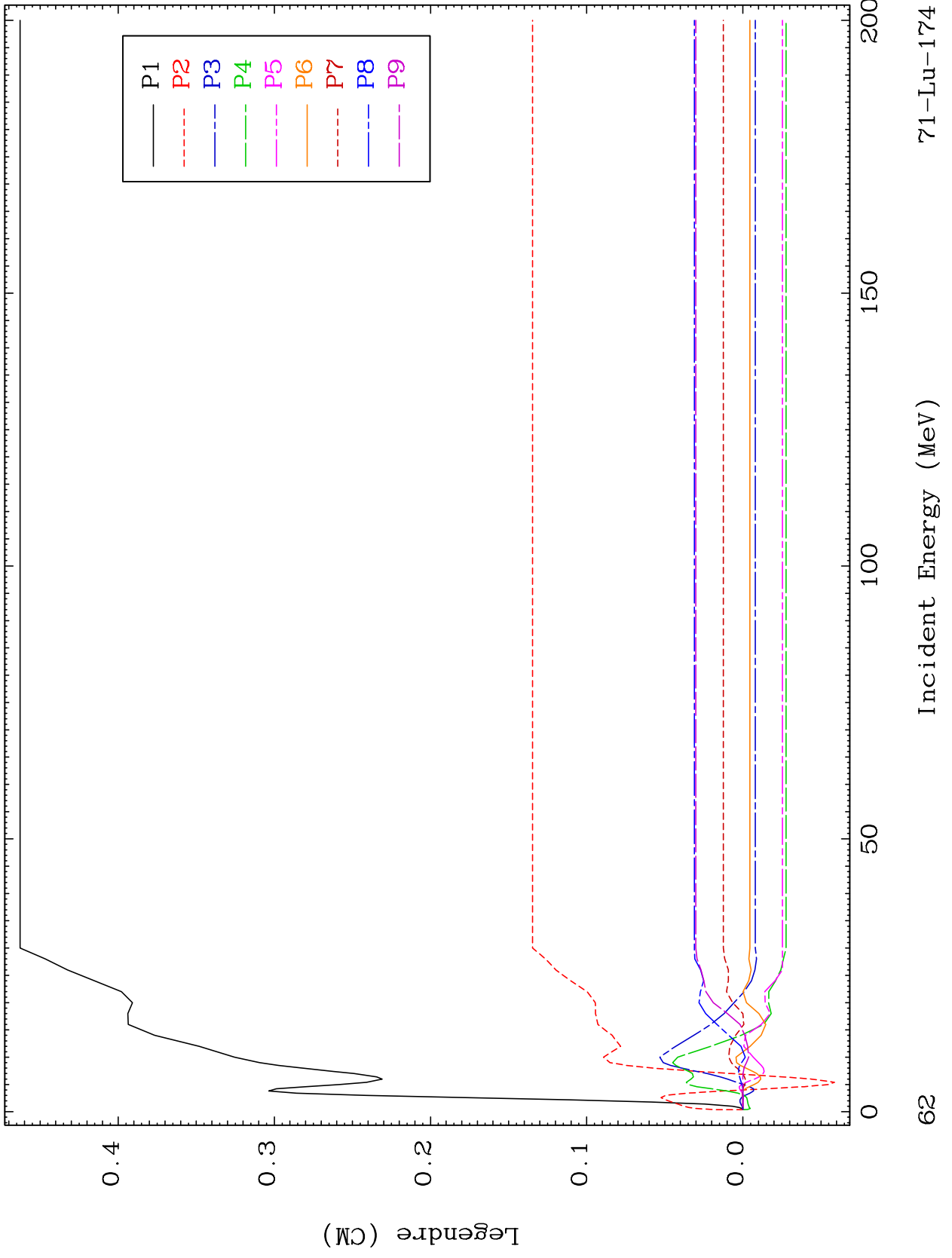
71-Lu-174



MAT 7122

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

71-Lu-174



71-Lu-174

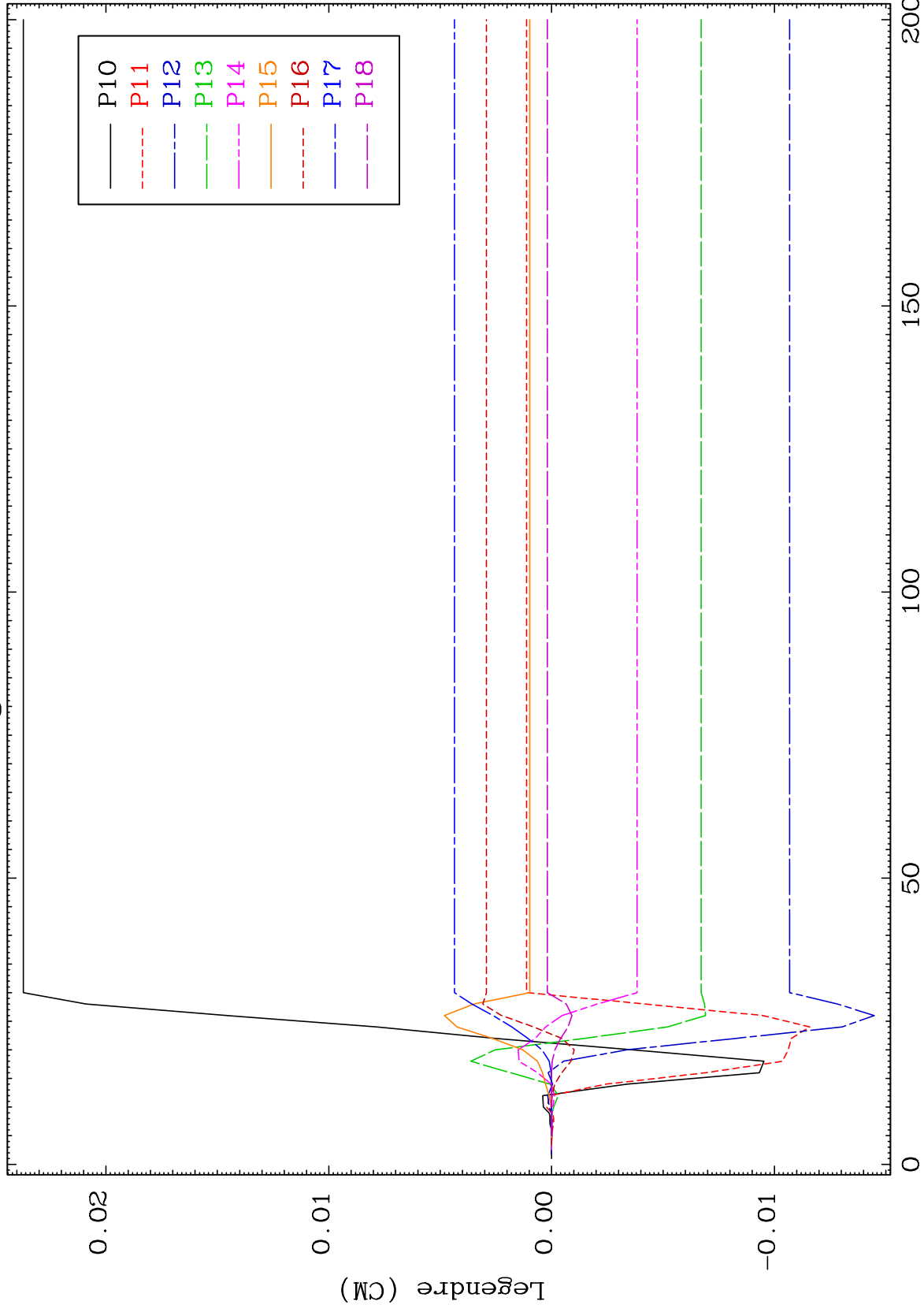
Incident Energy (MeV)

62

MAT 7122

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

71-Lu-174



63

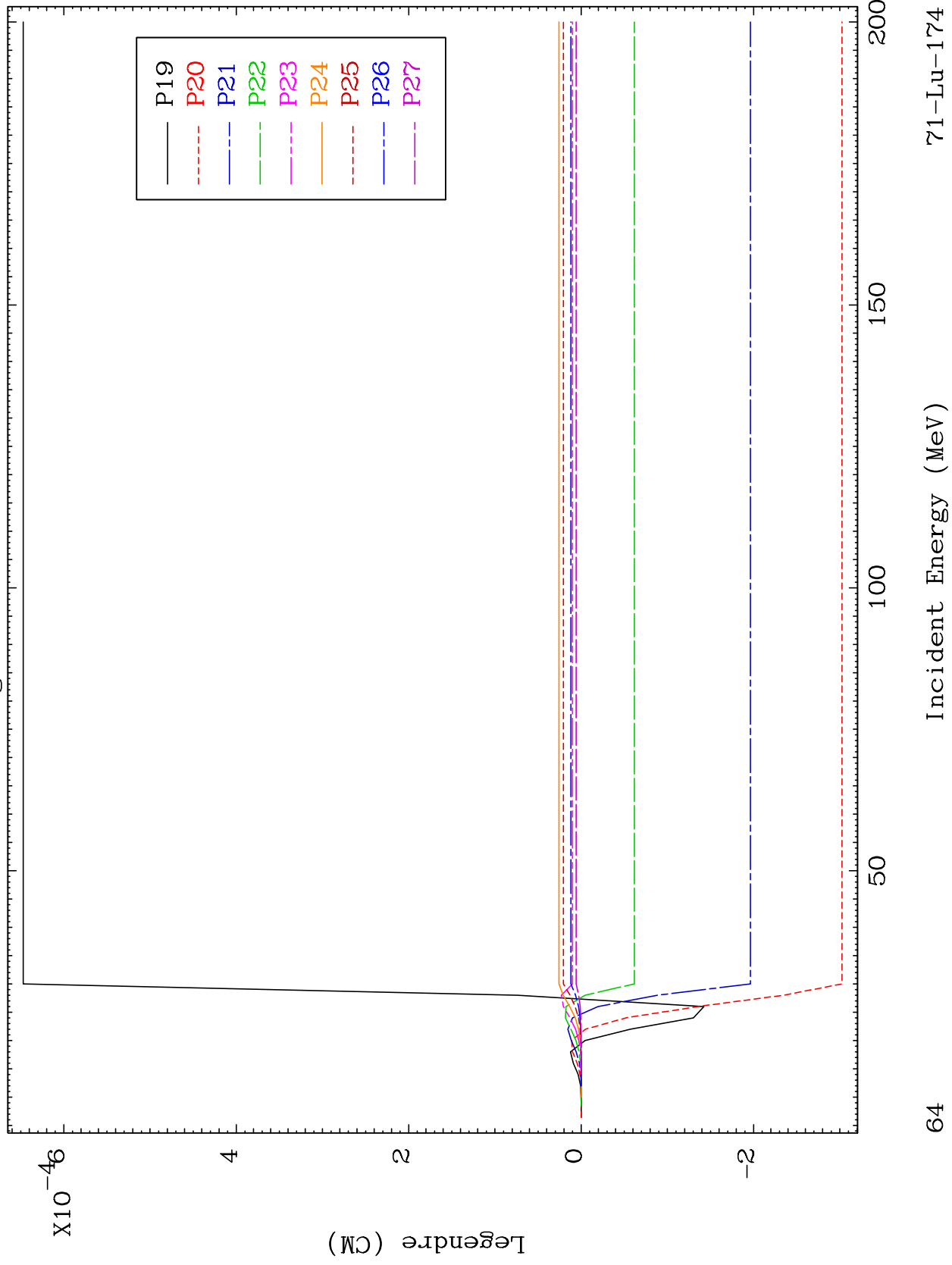
Incident Energy (MeV)

71-Lu-174

MAT 7122

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

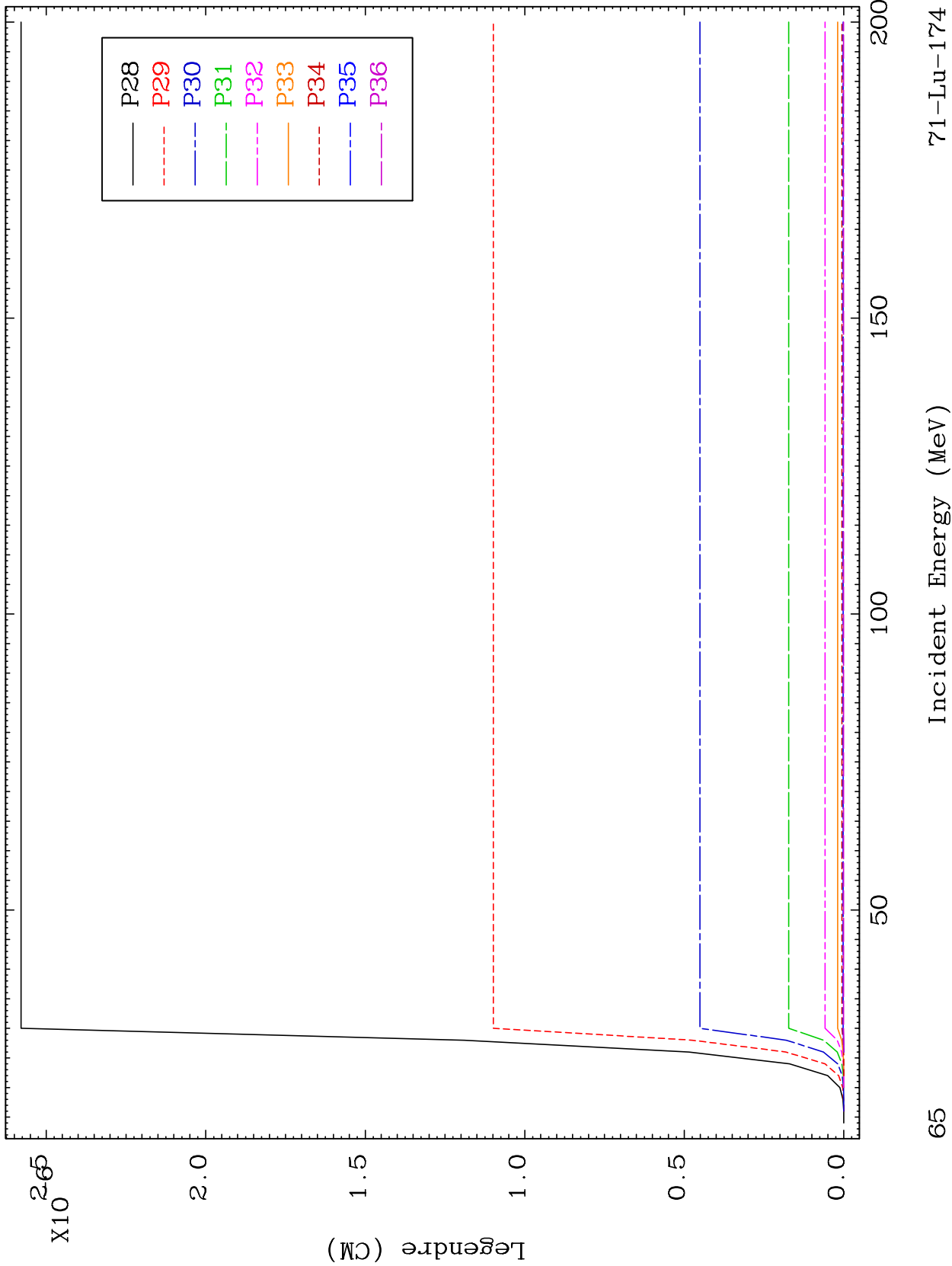
71-Lu-174



MAT 7122

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

71-Lu-174



65

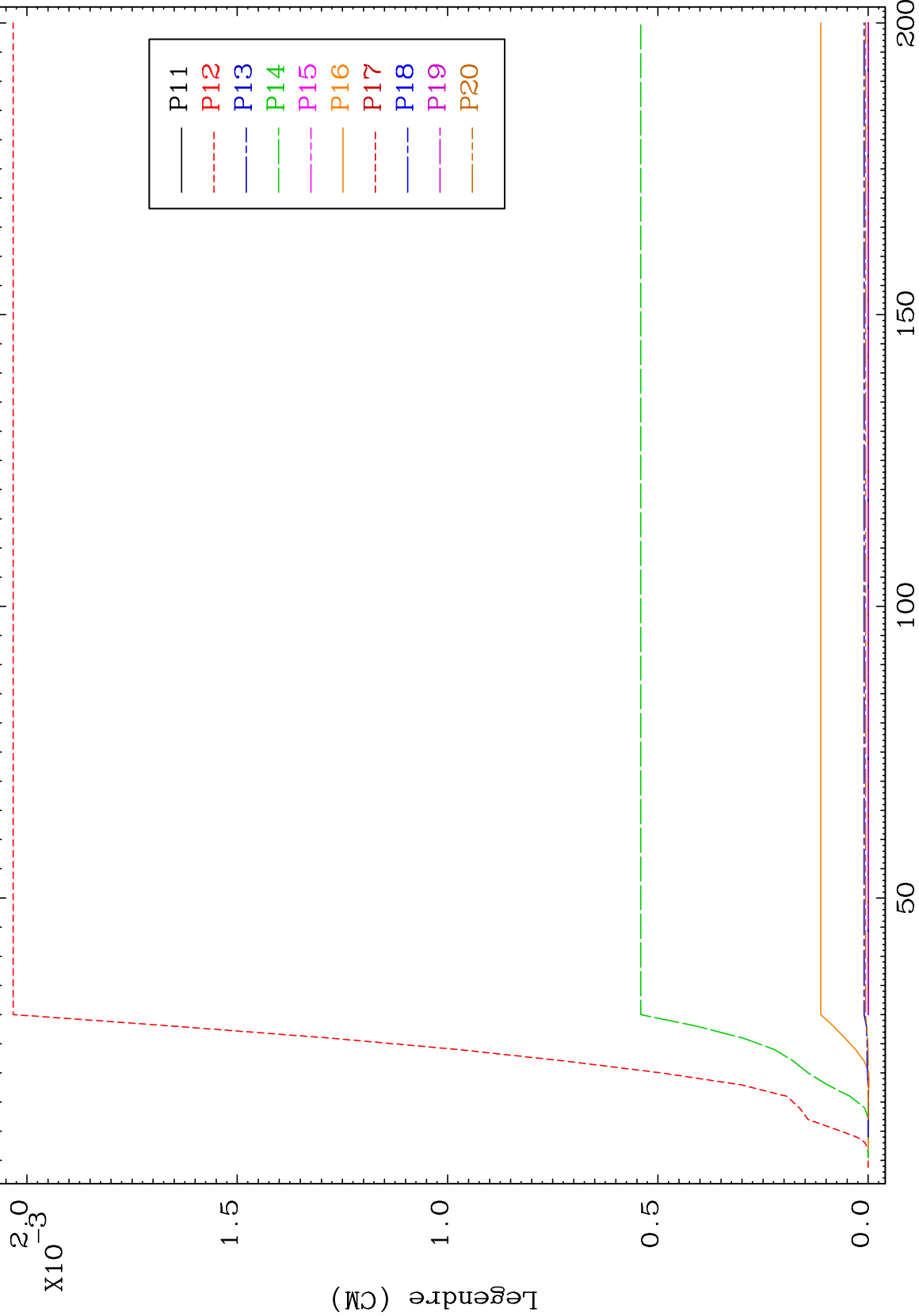
Incident Energy (MeV)

71-Lu-174

MAT 7122

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

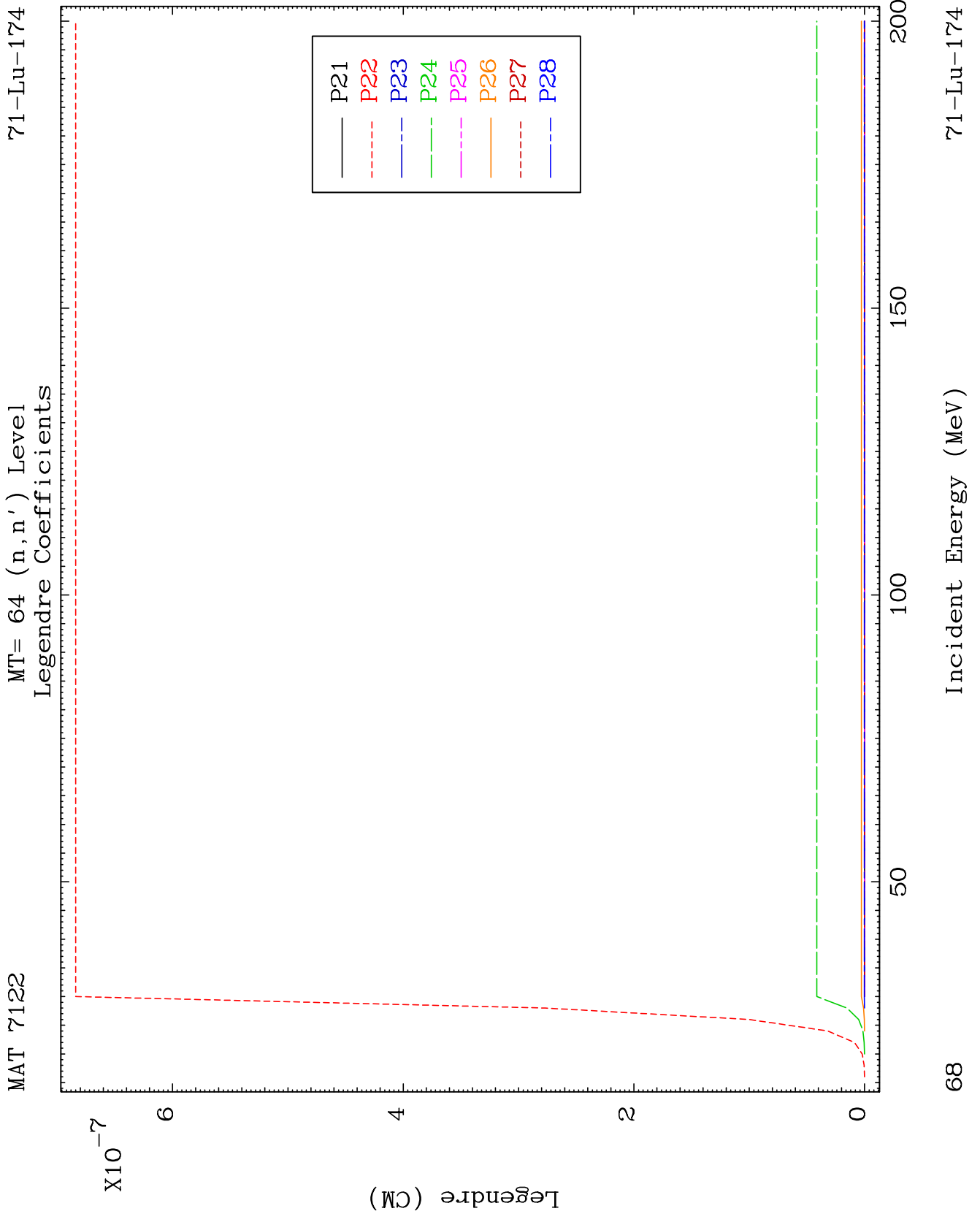
71-Lu-174

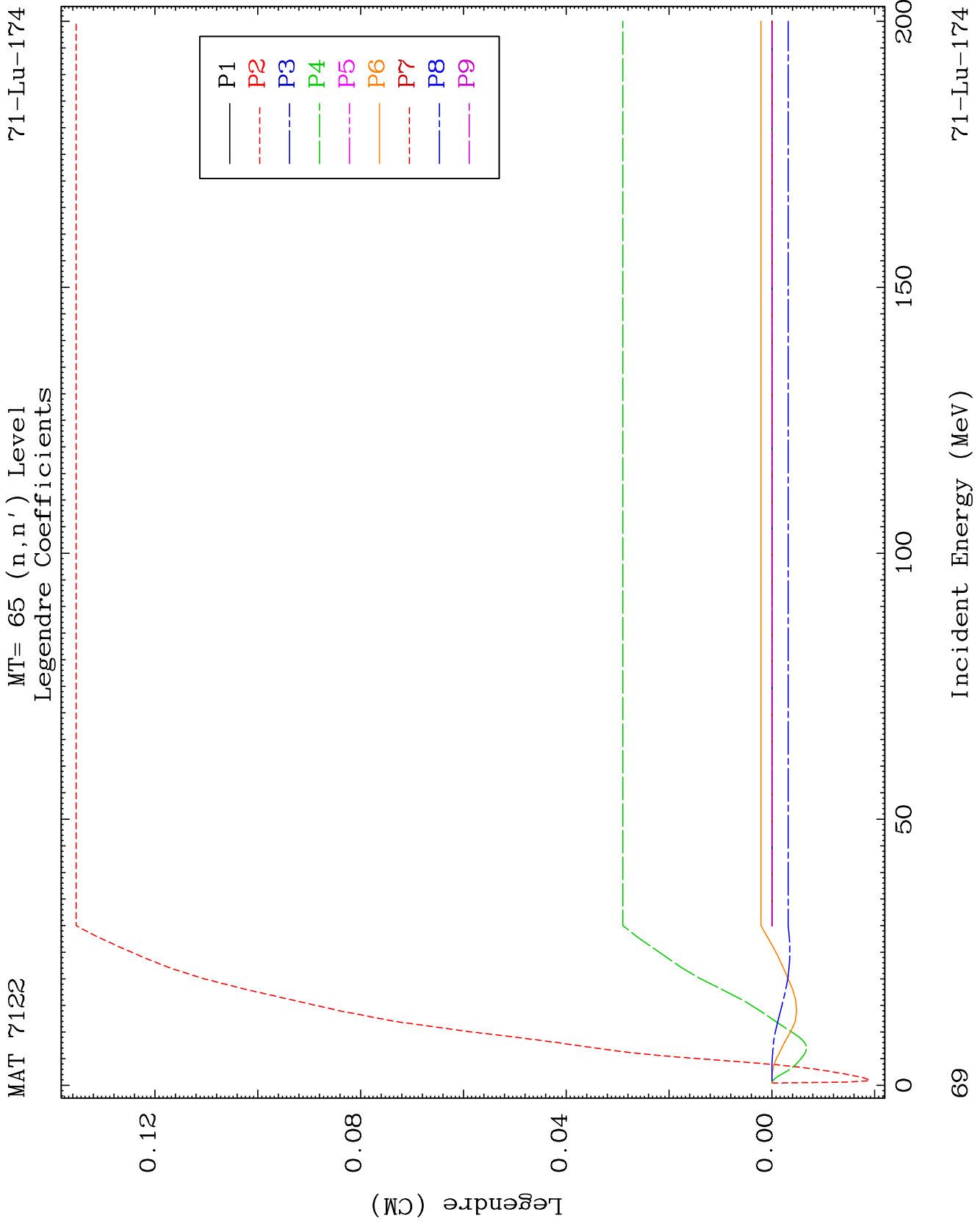


67

Incident Energy (MeV)

71-Lu-174

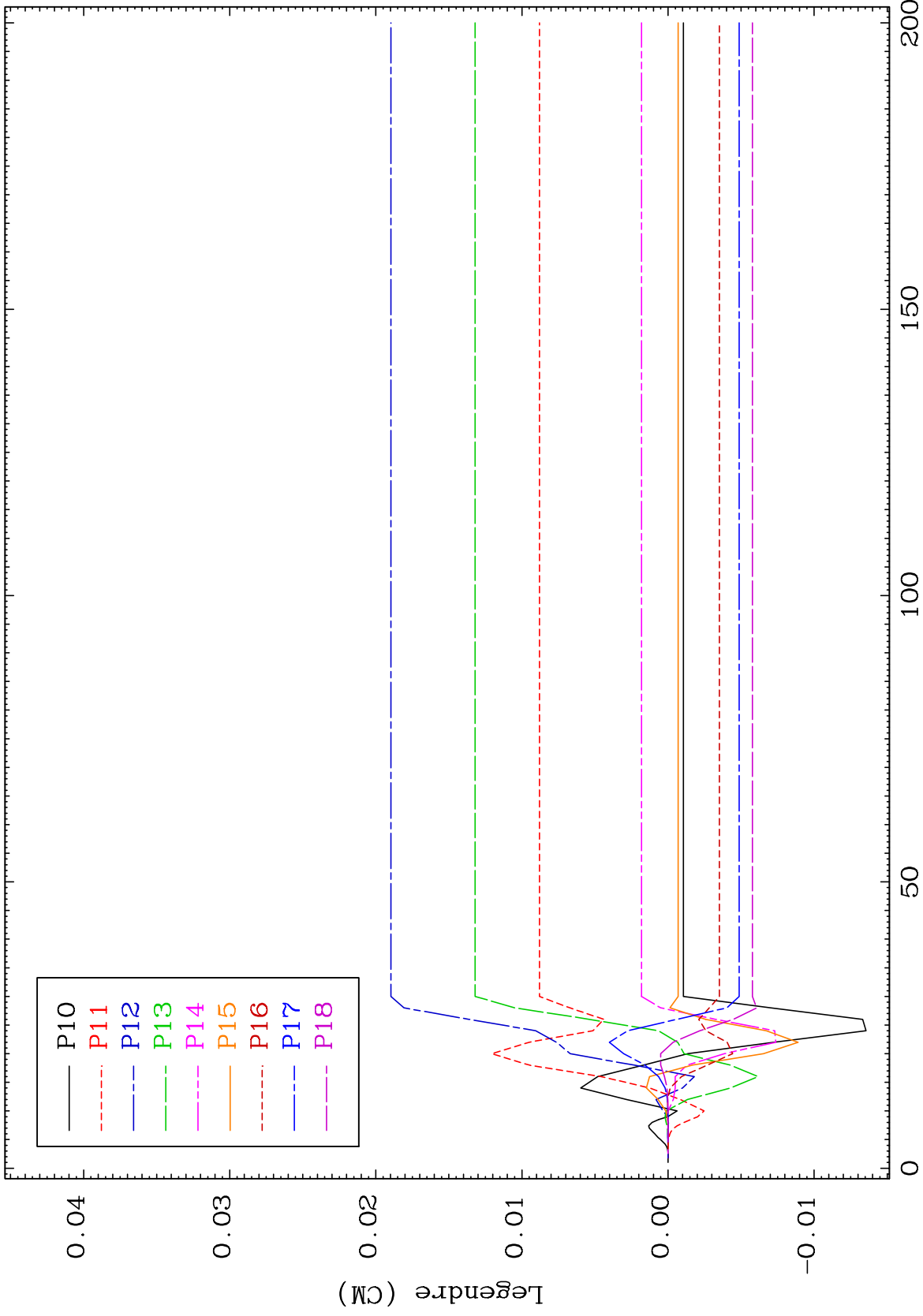




MAT 71222

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

71-Lu-174



73

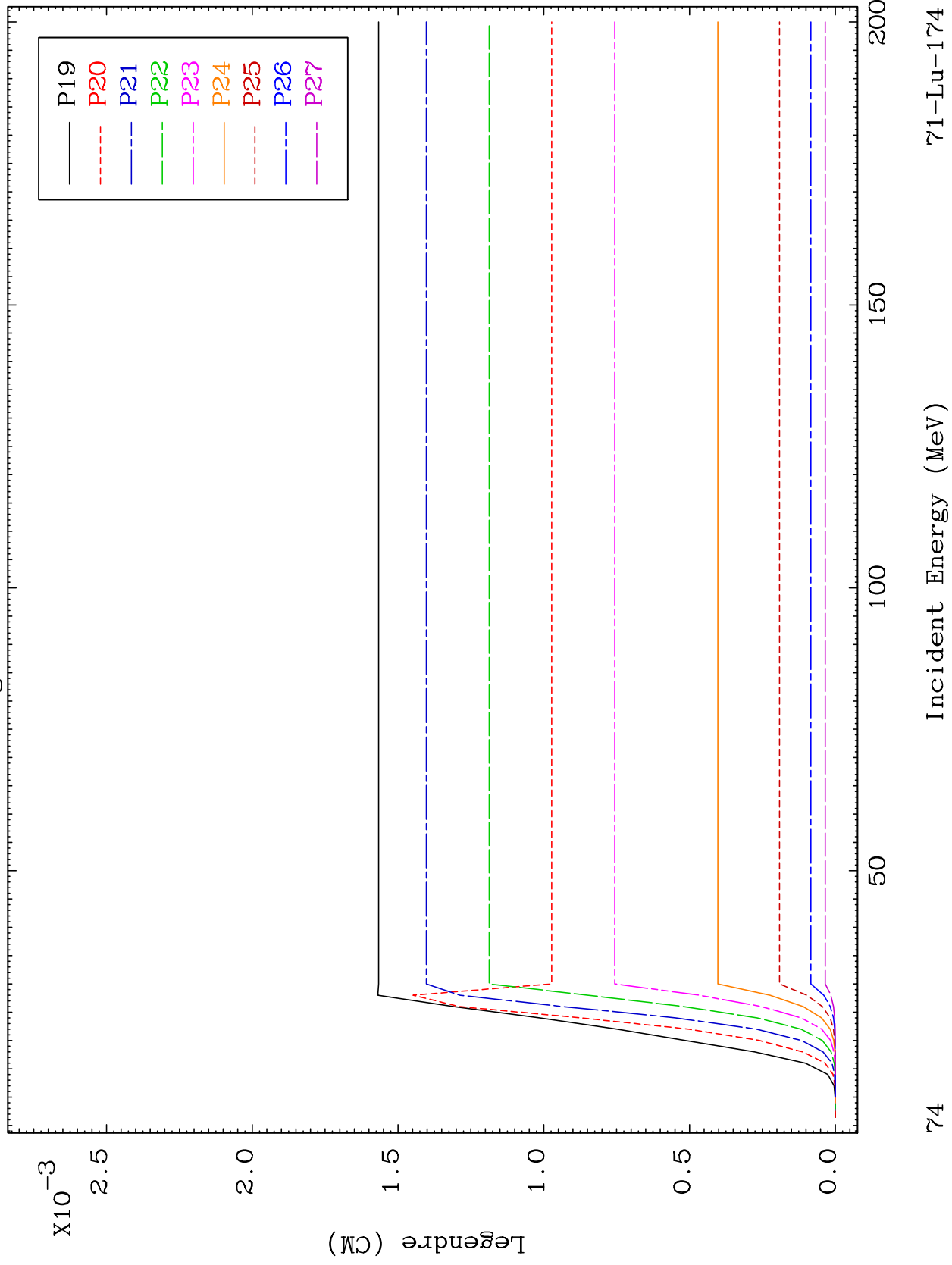
Incident Energy (MeV)

71-Lu-174

MAT 7122

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

71-Lu-174



74

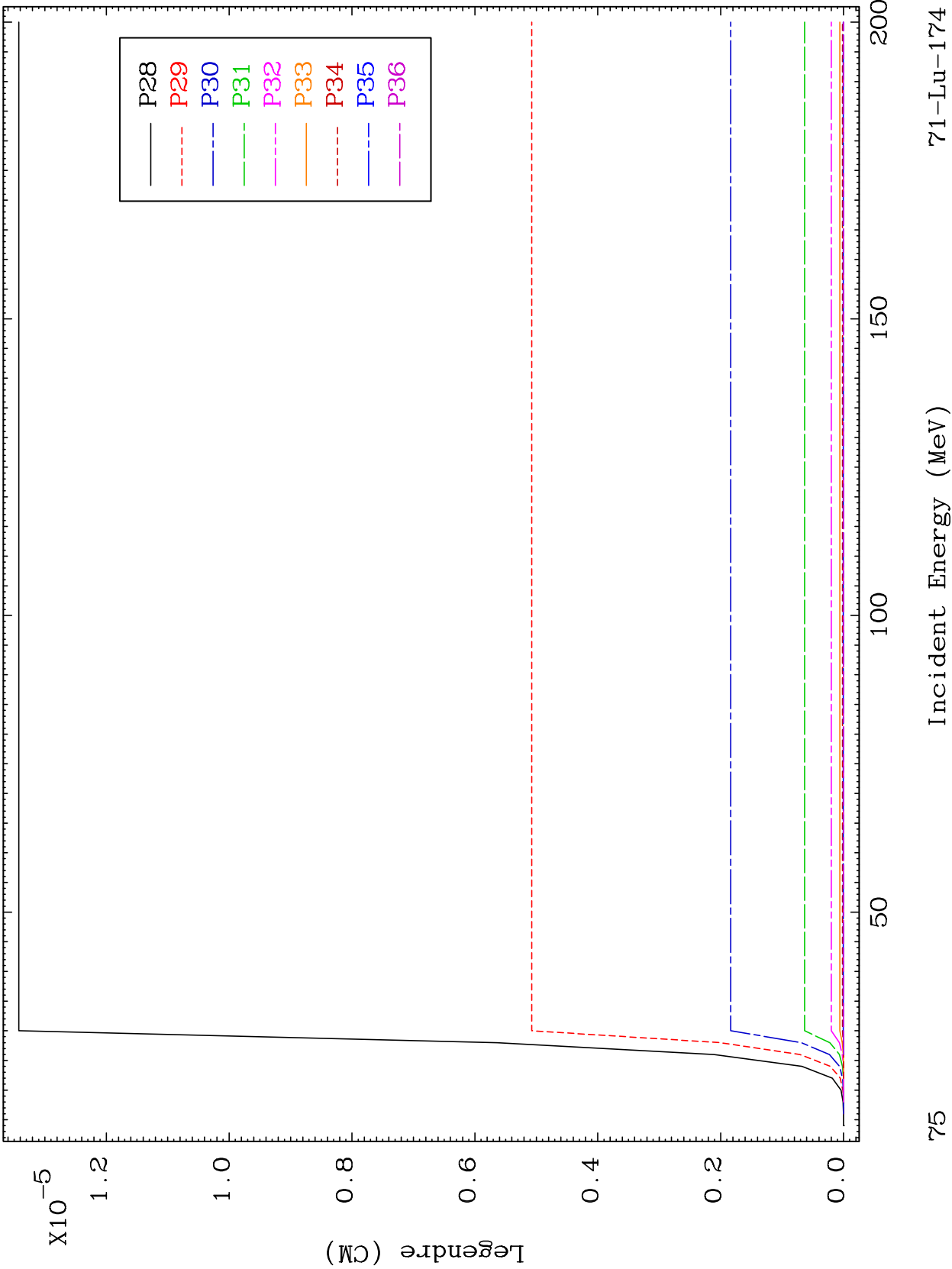
Incident Energy (MeV)

71-Lu-174

MAT 7122

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

71-Lu-174



75

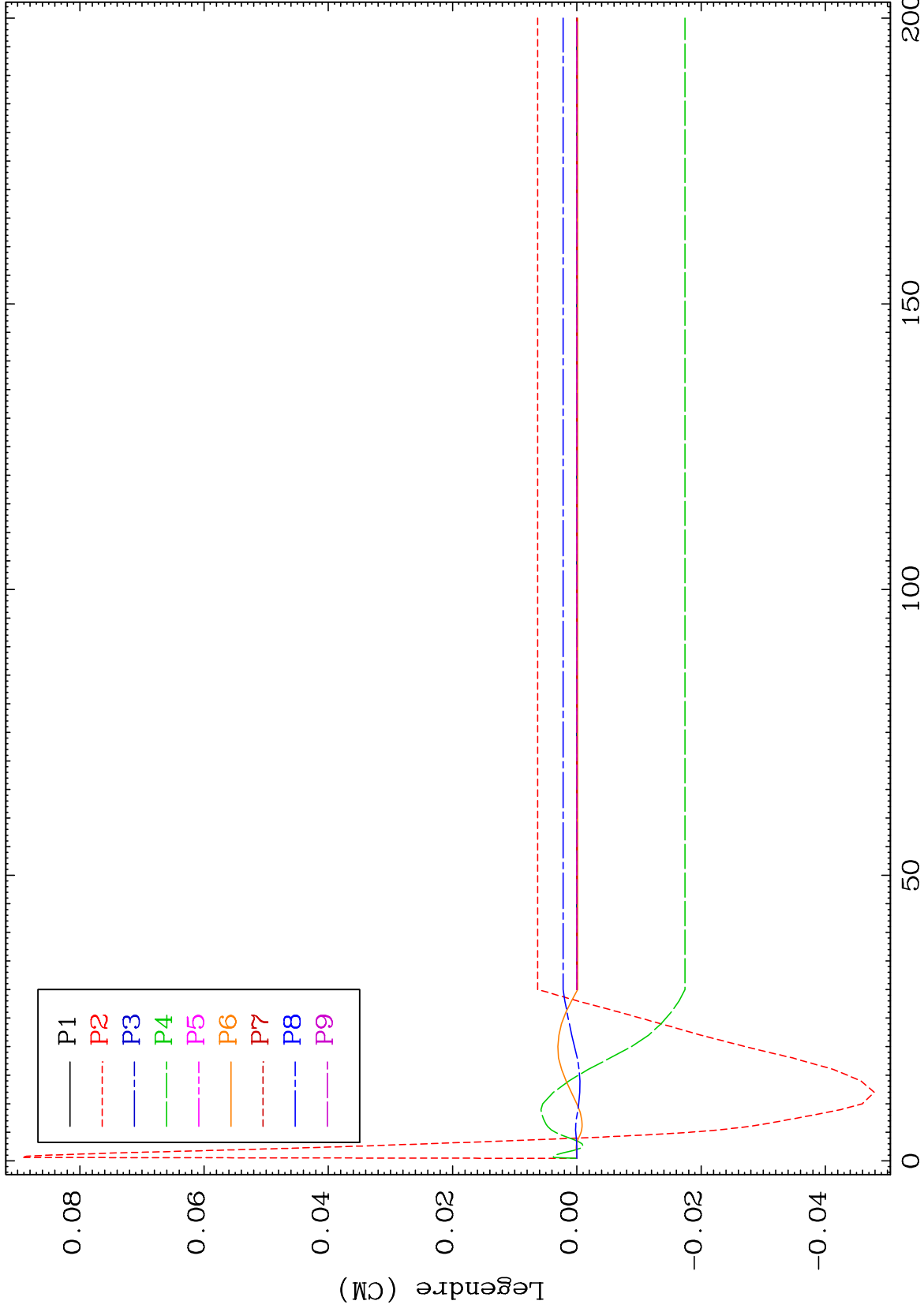
Incident Energy (MeV)

71-Lu-174

MAT 7122

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

71-Lu-174



76

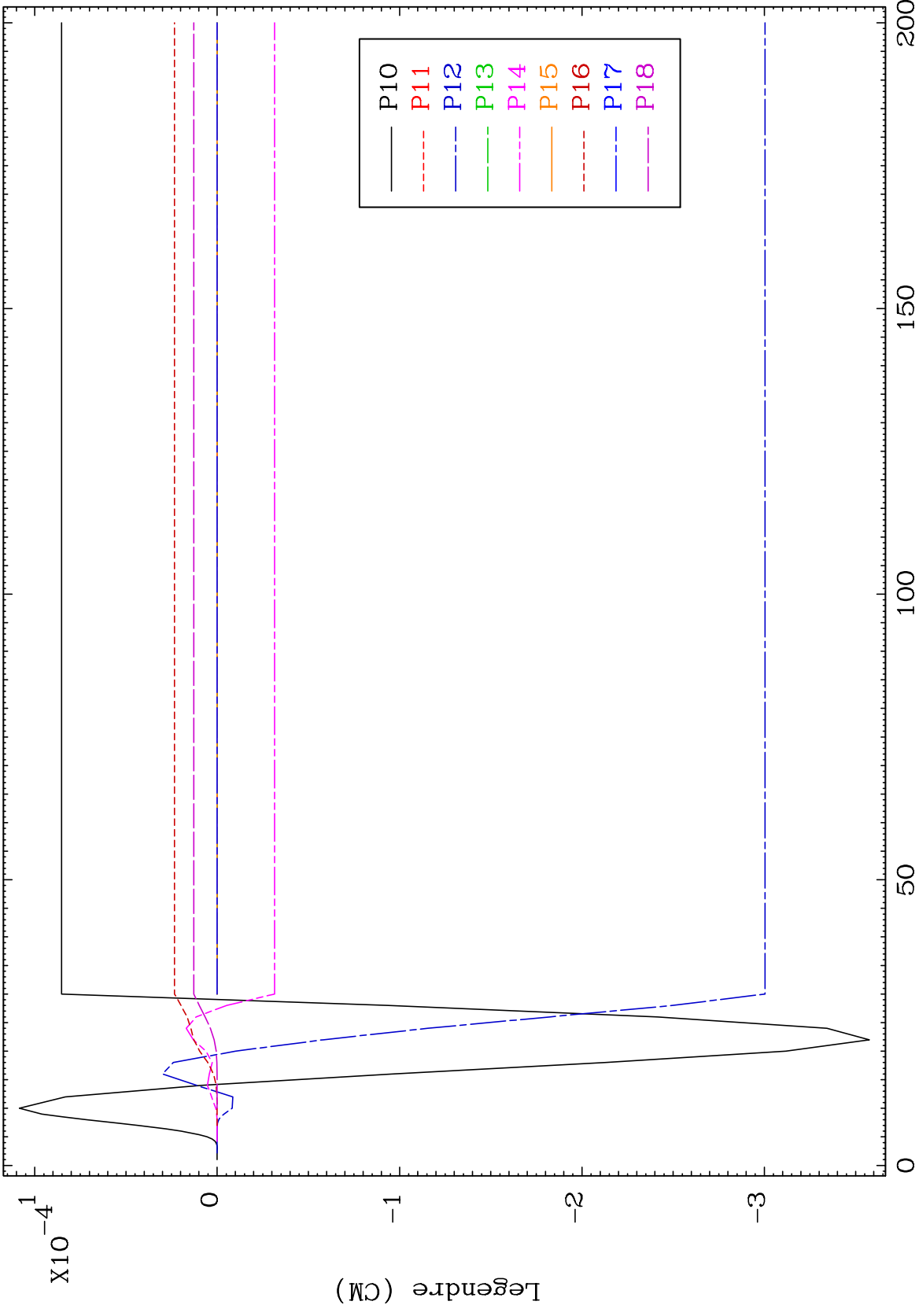
Incident Energy (MeV)

71-Lu-174

MAT 7122

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

71-Lu-174



77

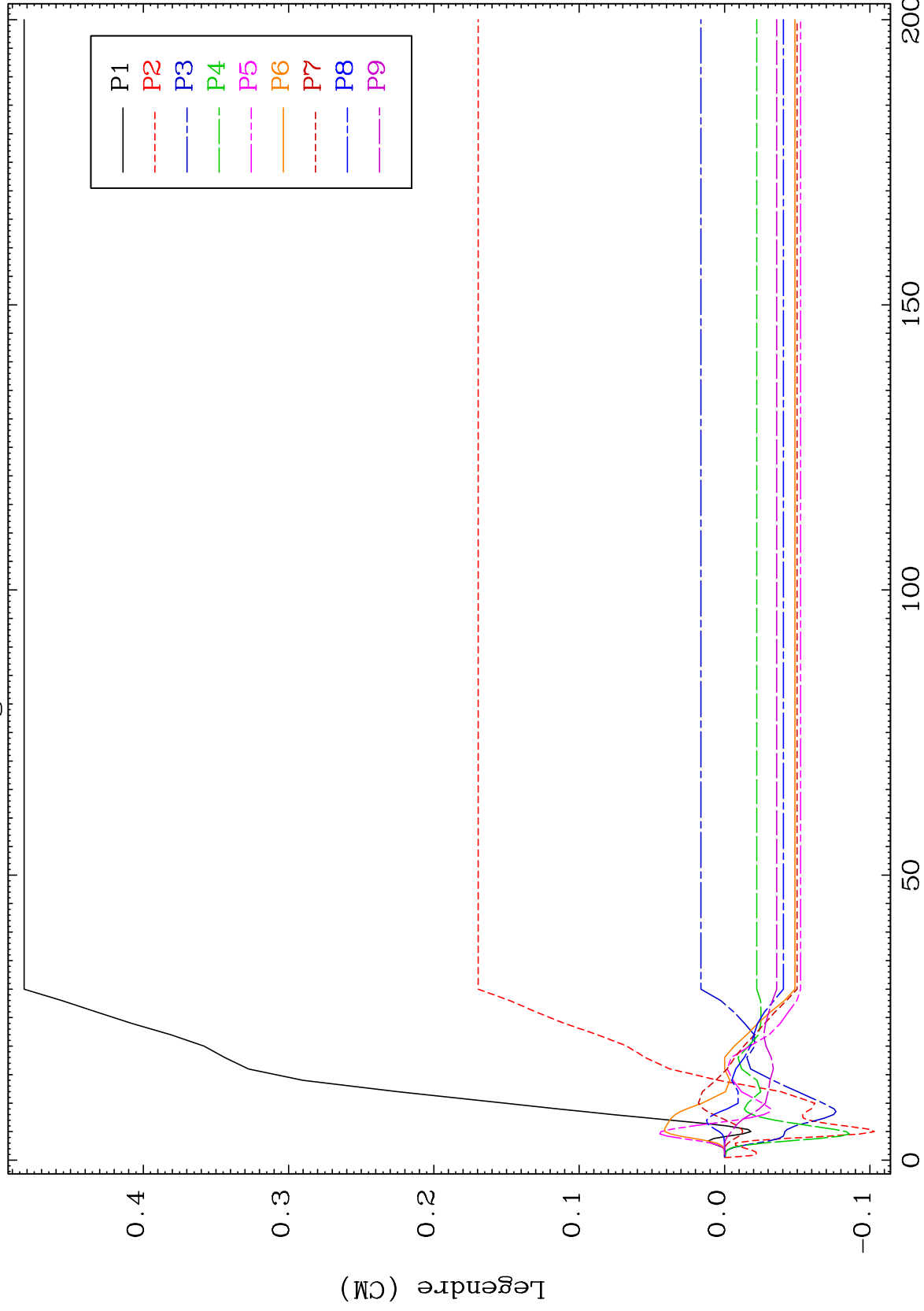
Incident Energy (MeV)

71-Lu-174

MAT 7122

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

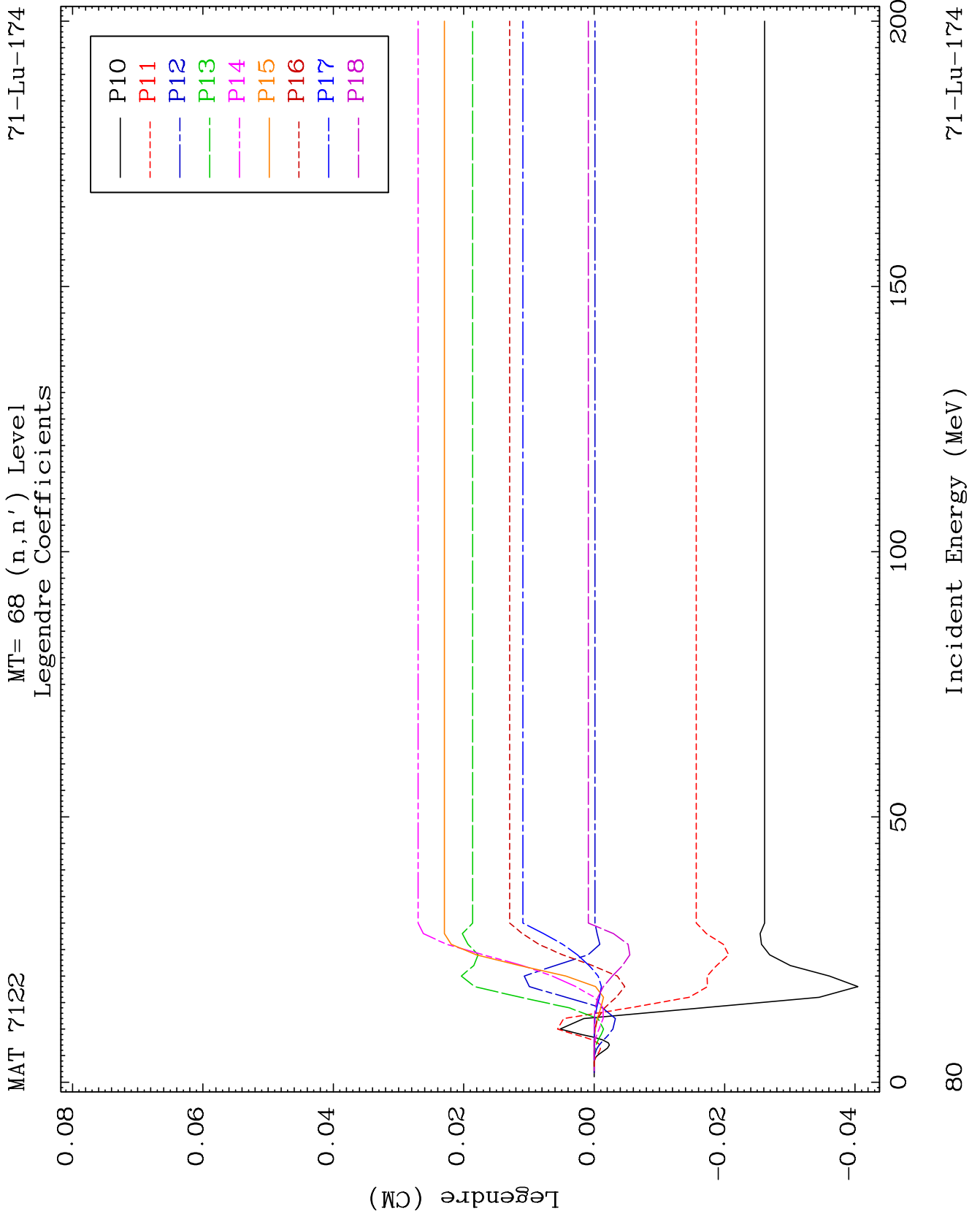
71-Lu-174

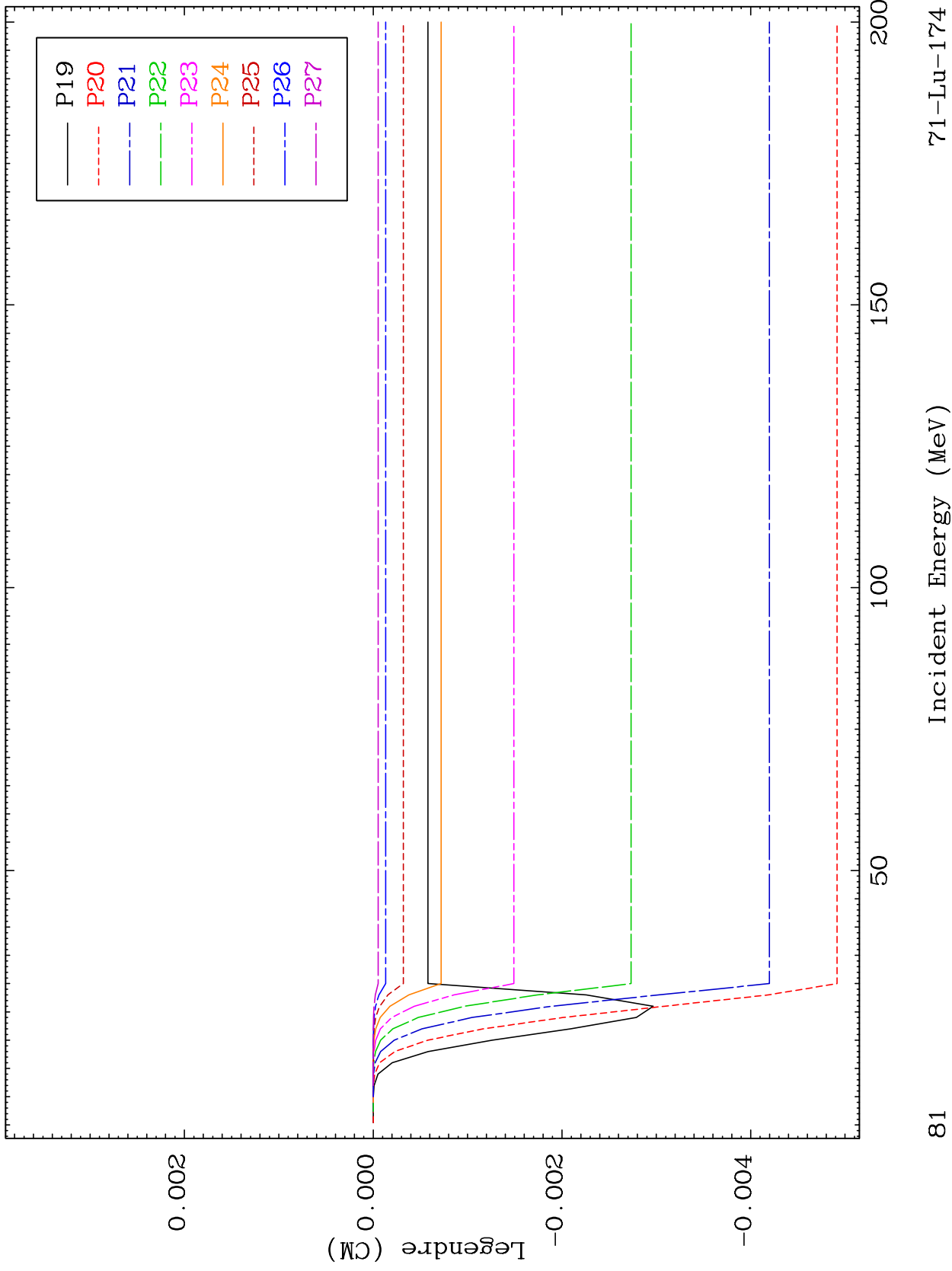


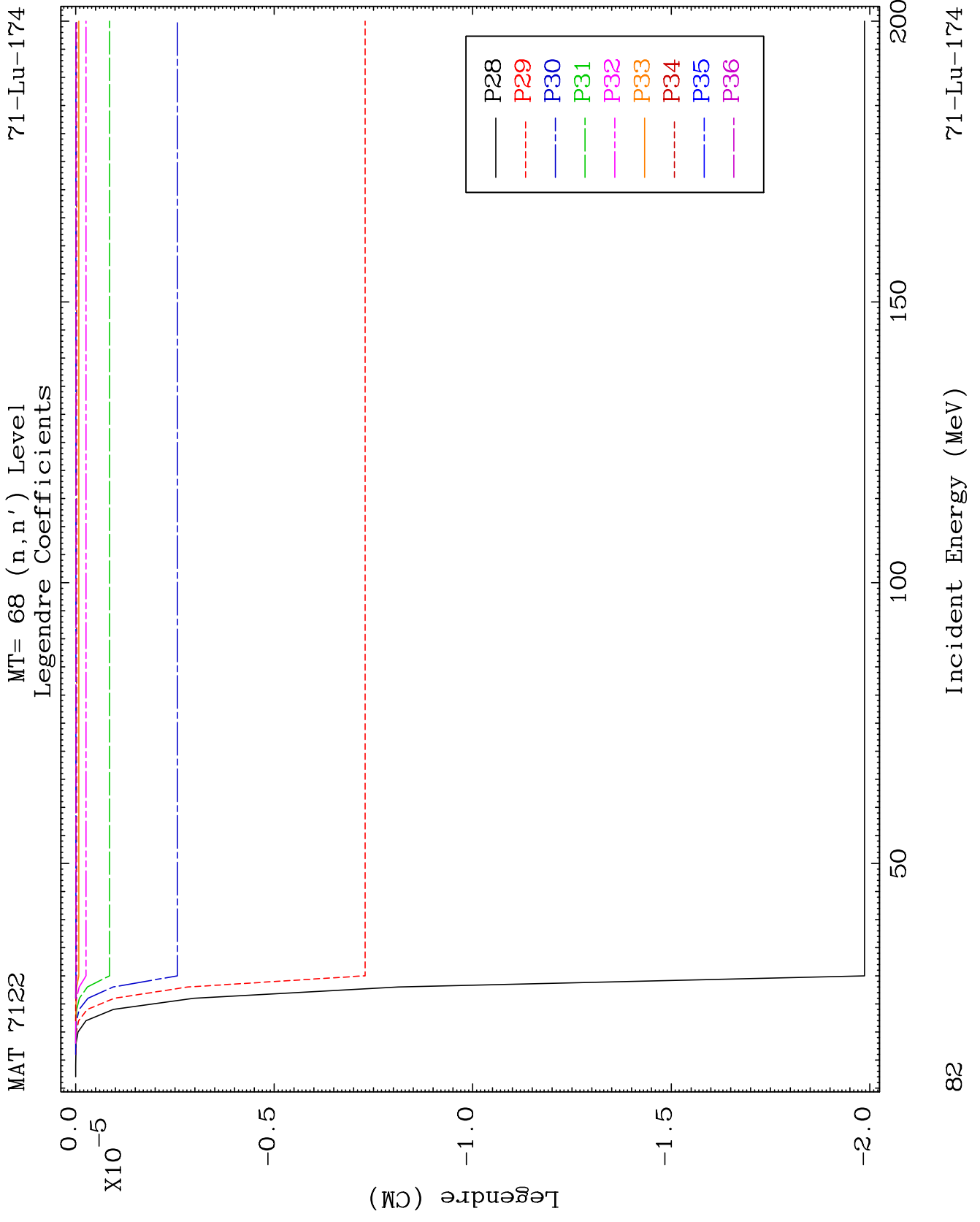
79

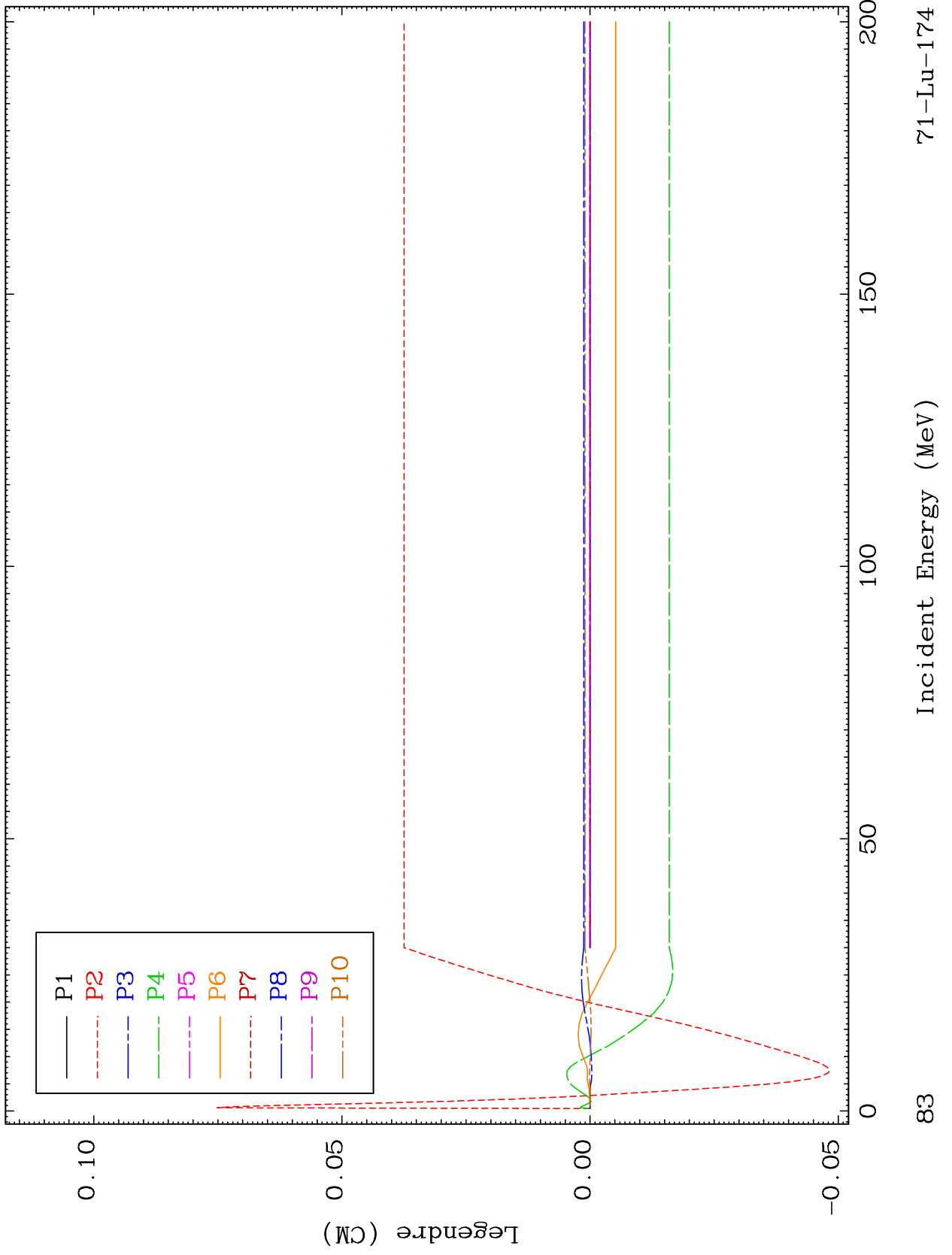
Incident Energy (MeV)

71-Lu-174





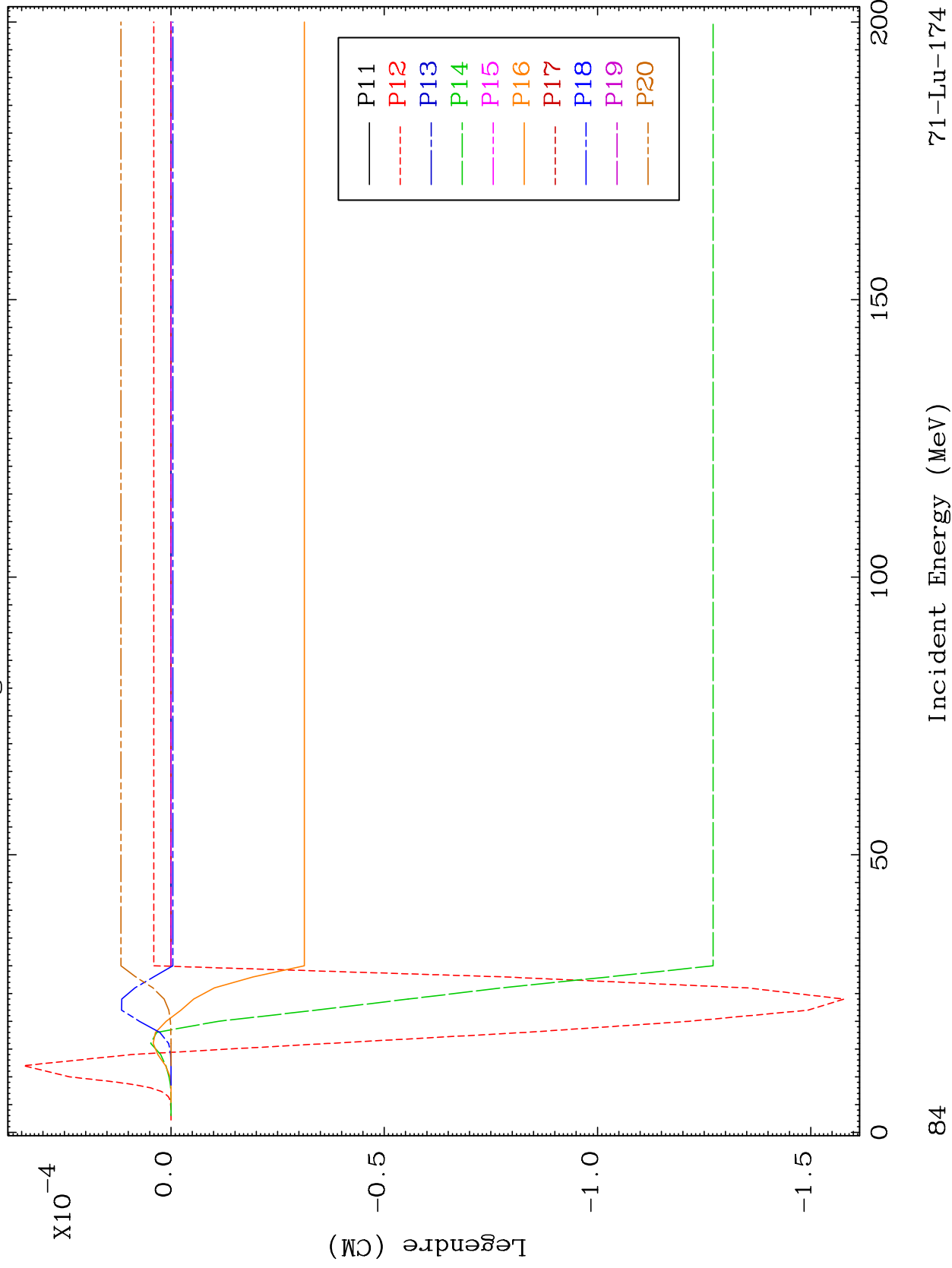


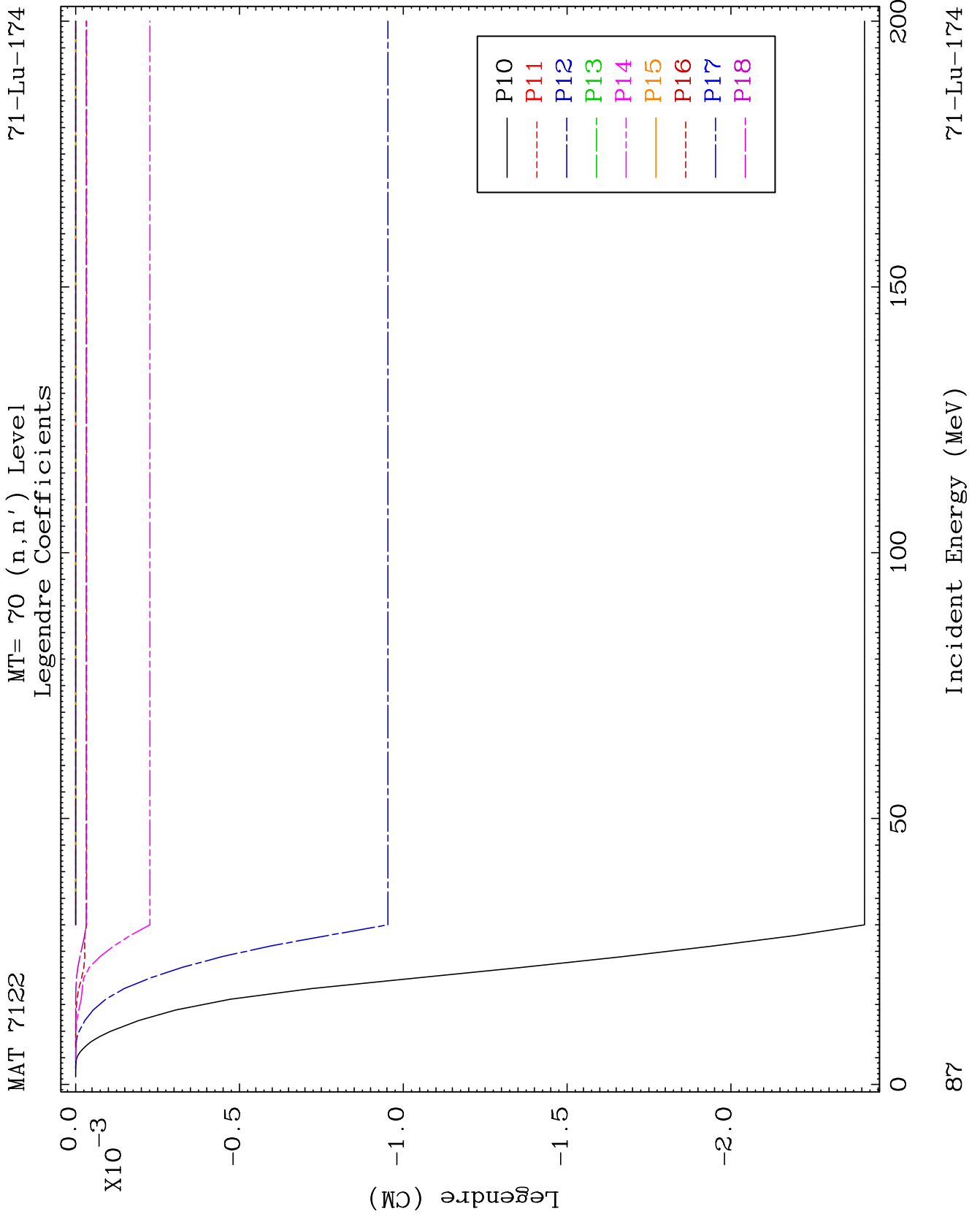


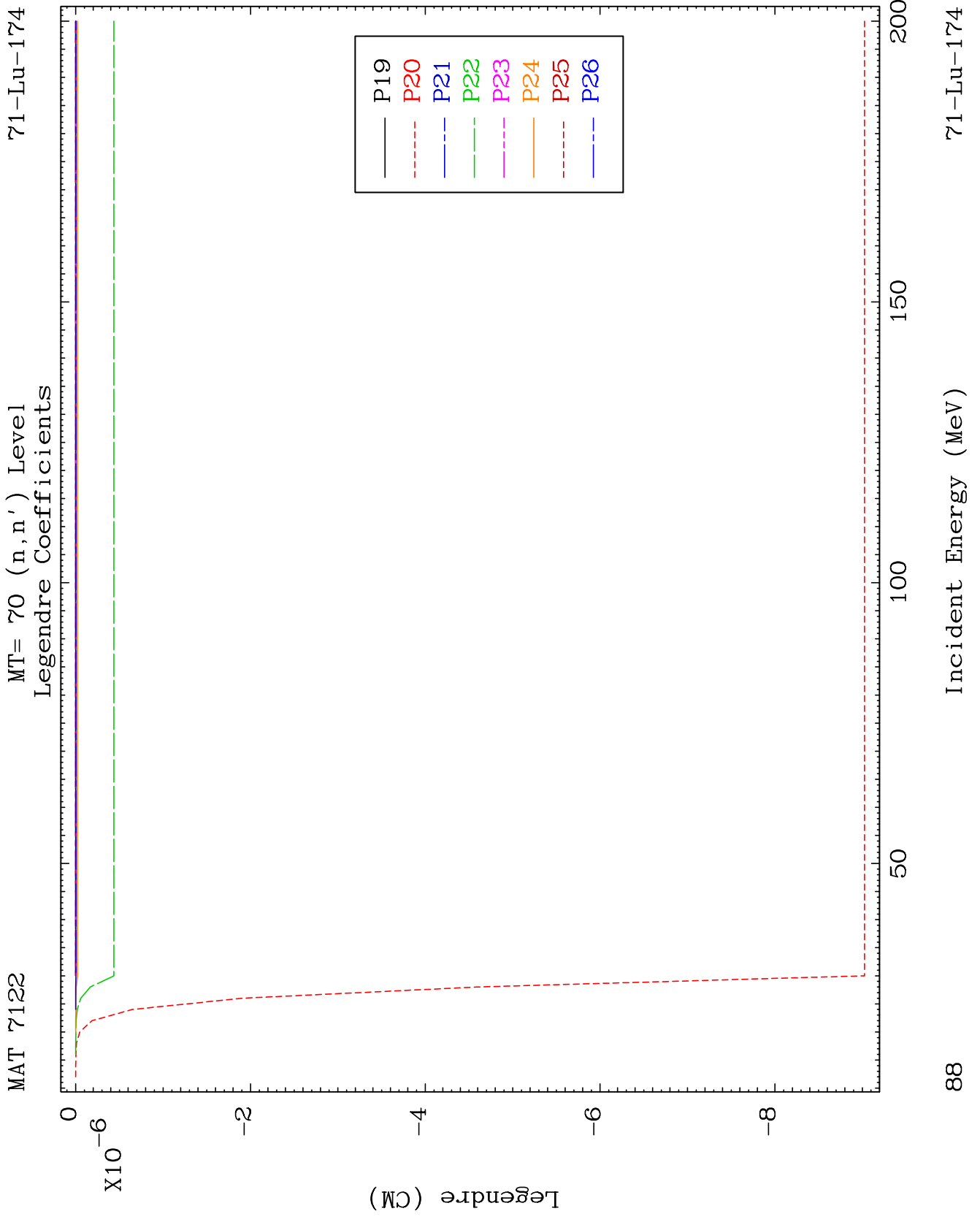
MAT 7122

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

71-Lu-174



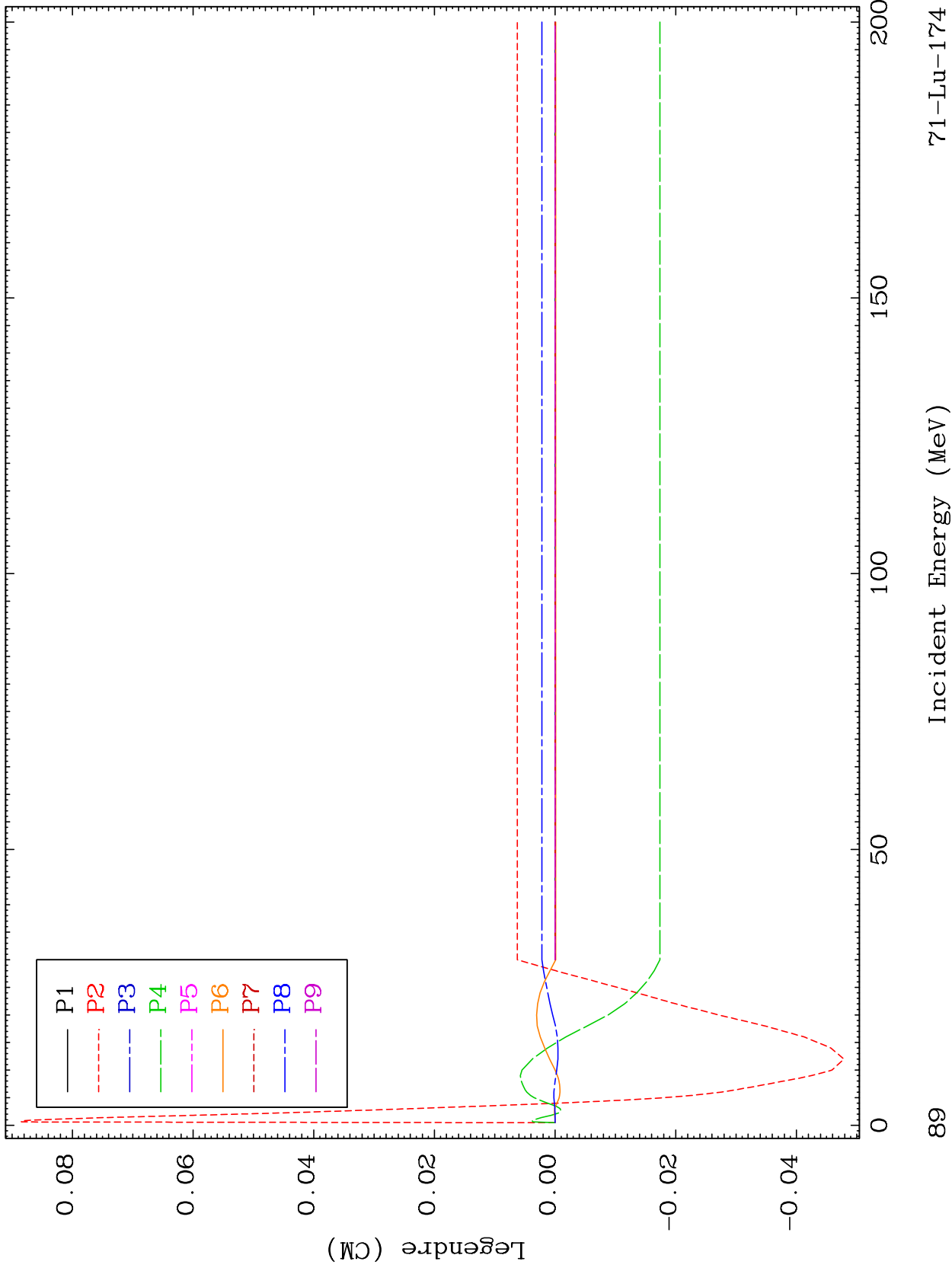




MAT 7122

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

71-Lu-174



89

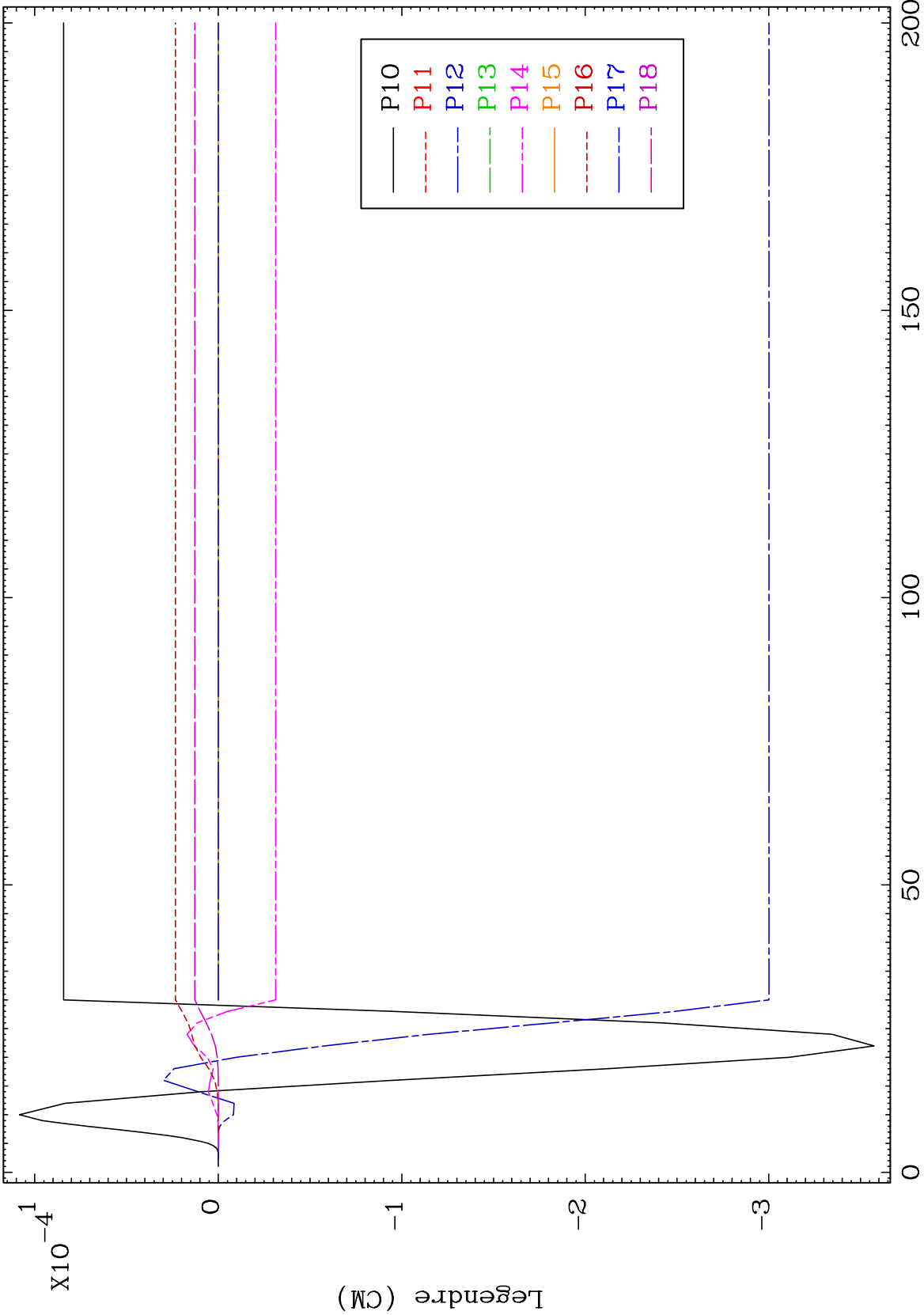
Incident Energy (MeV)

71-Lu-174

MAT 7122

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

71-Lu-174



90

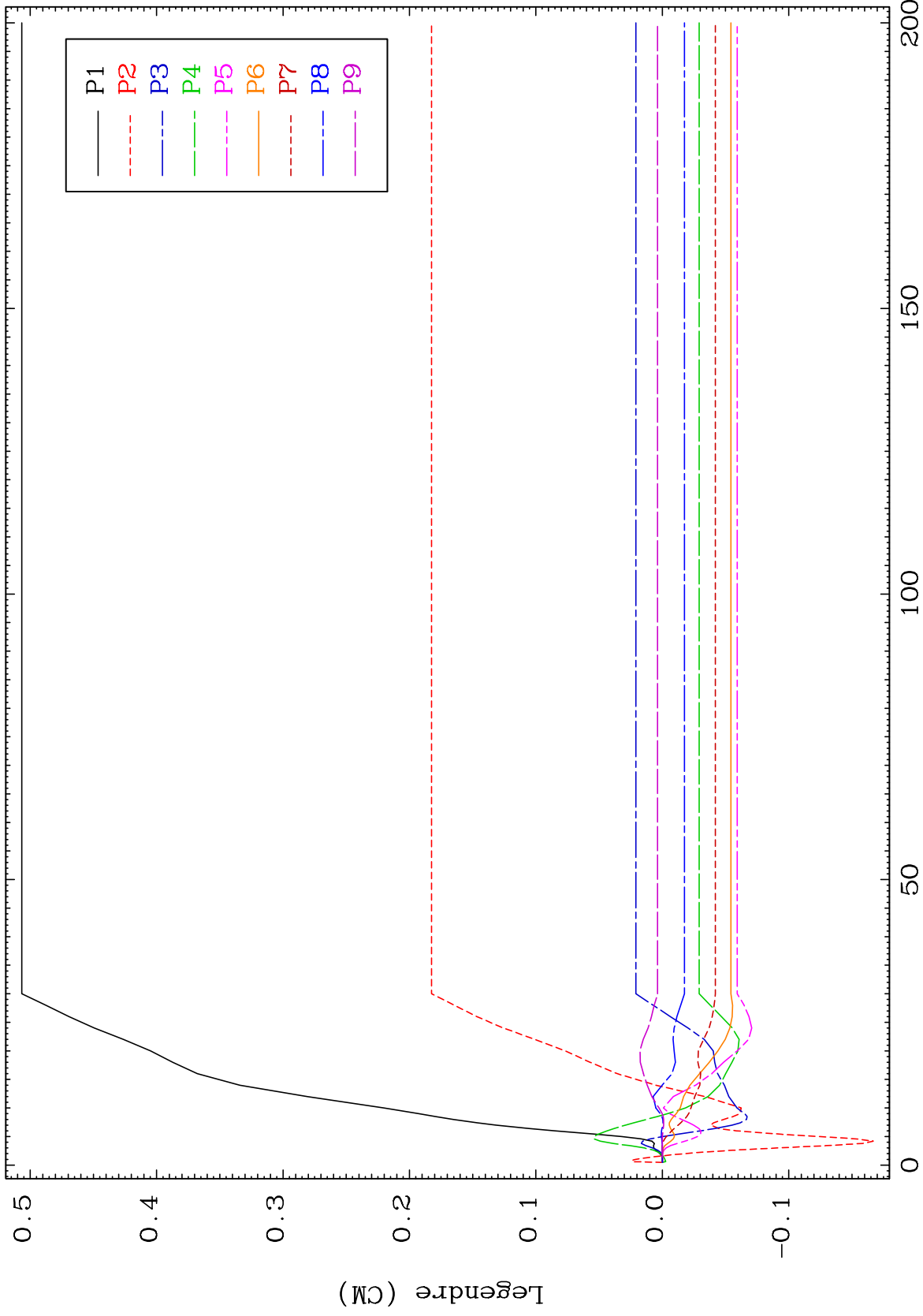
Incident Energy (MeV)

71-Lu-174

MAT 7122

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

71-Lu-174



92

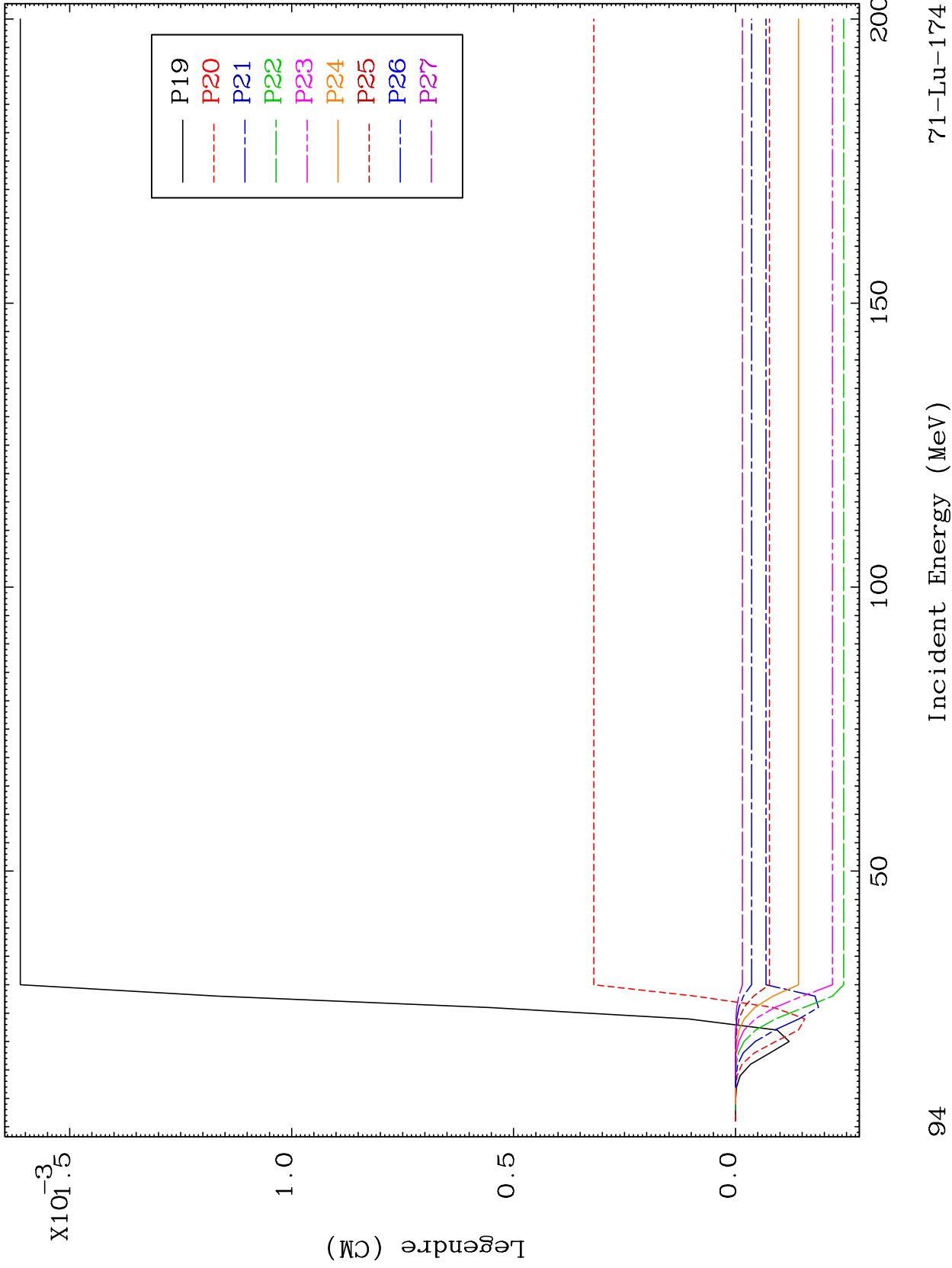
Incident Energy (MeV)

71-Lu-174

MAT 7122

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

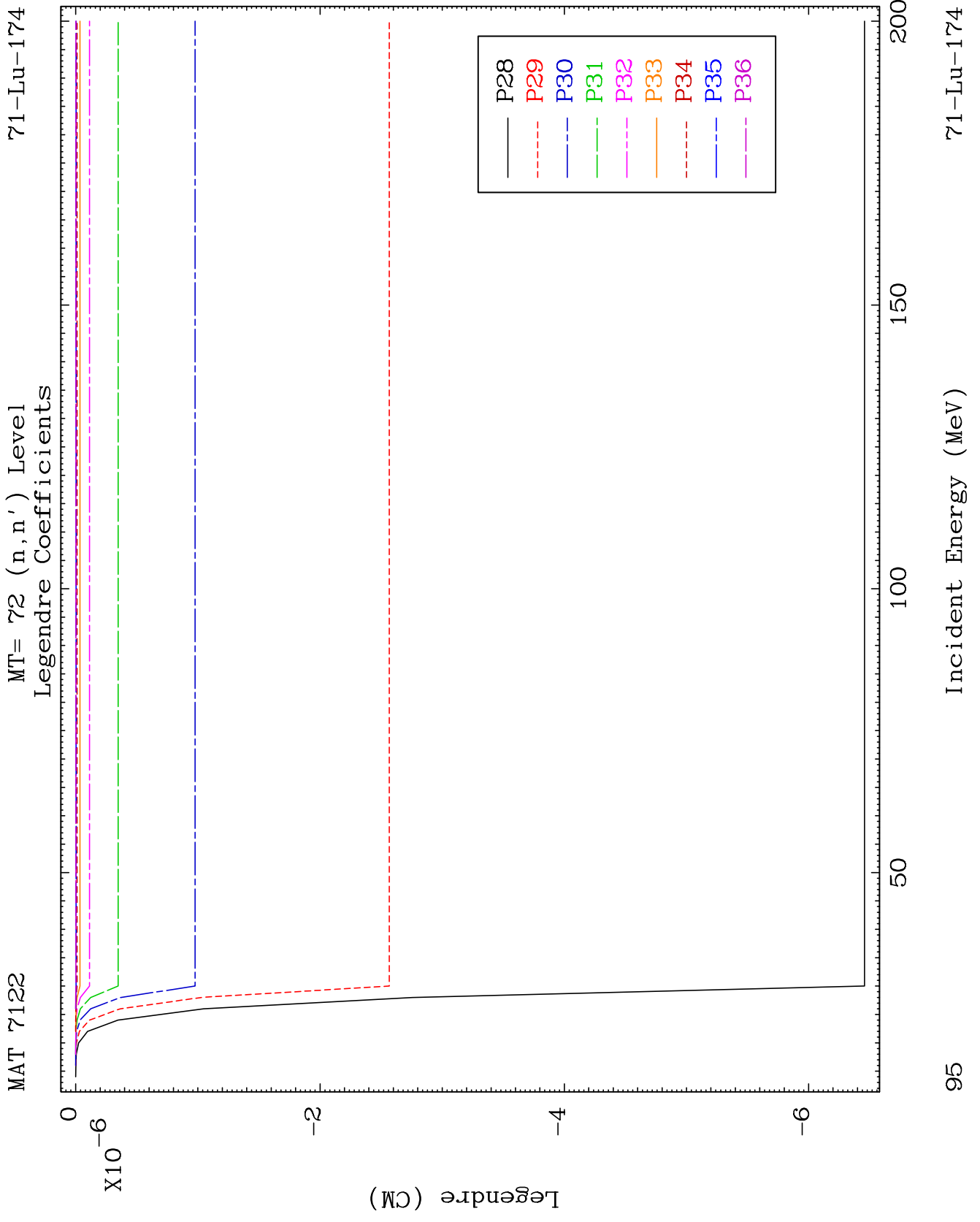
71-Lu-174



94

Incident Energy (MeV)

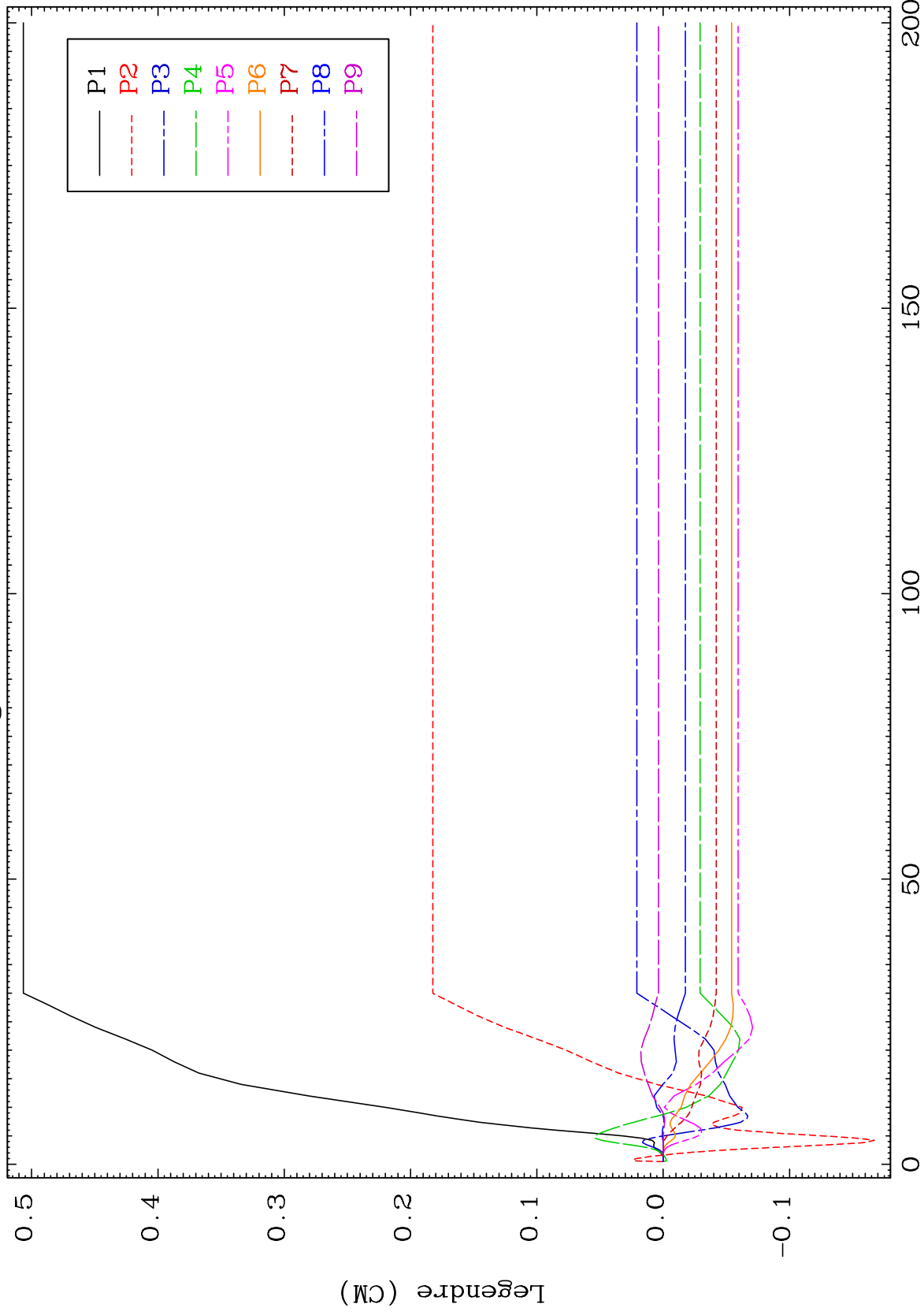
71-Lu-174



MAT 7122

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

71-Lu-174



96

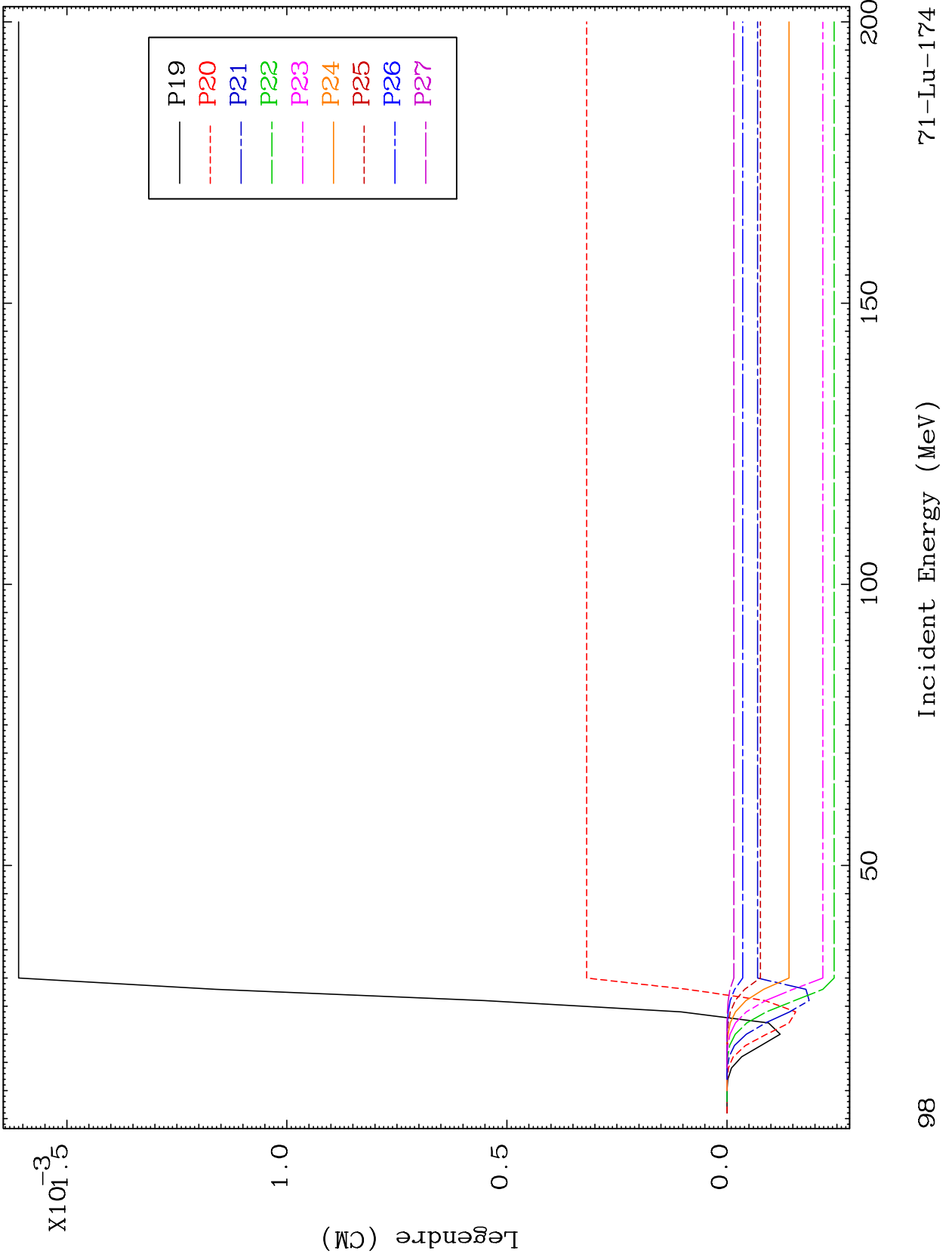
Incident Energy (MeV)

71-Lu-174

MAT 7122

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

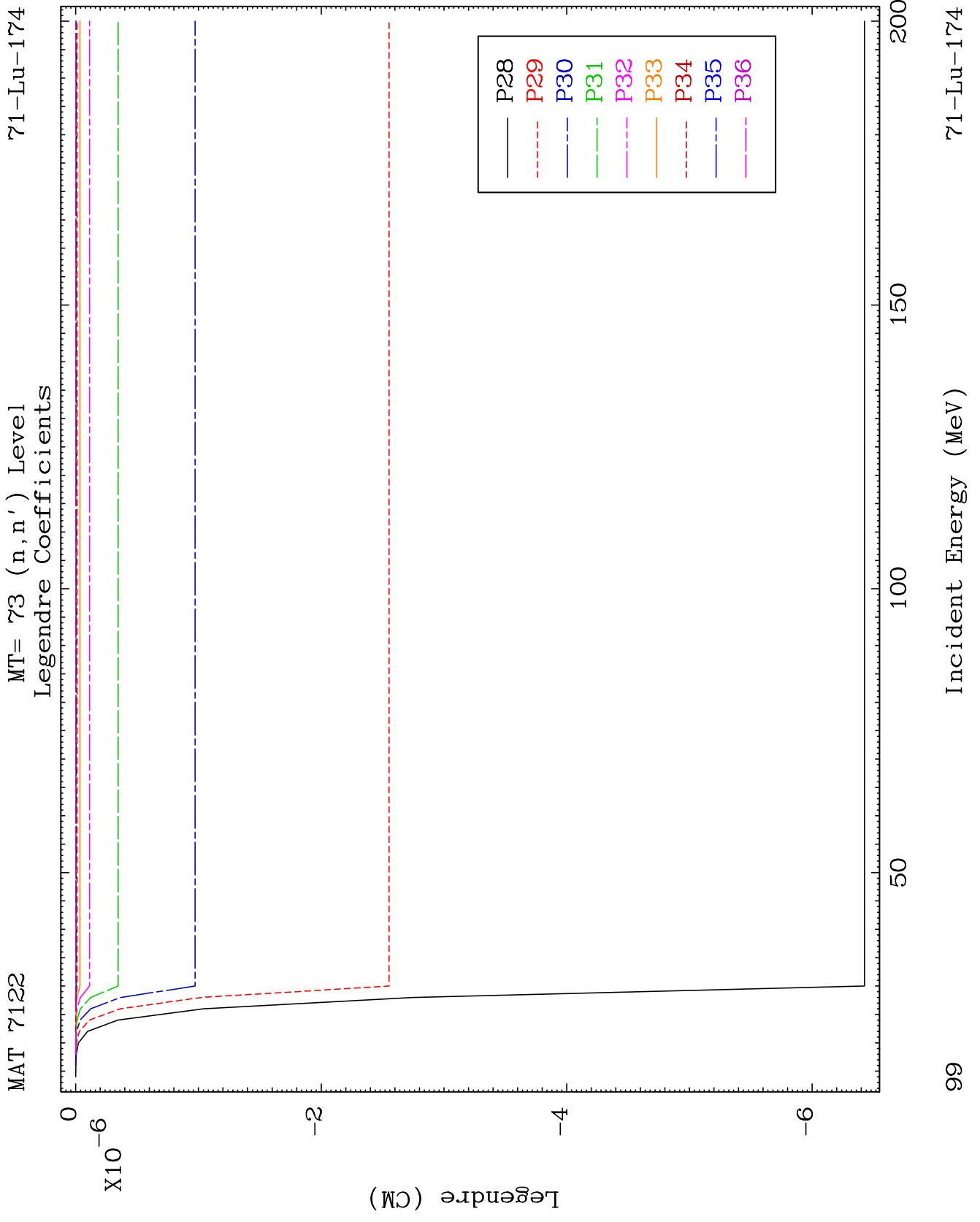
71-Lu-174

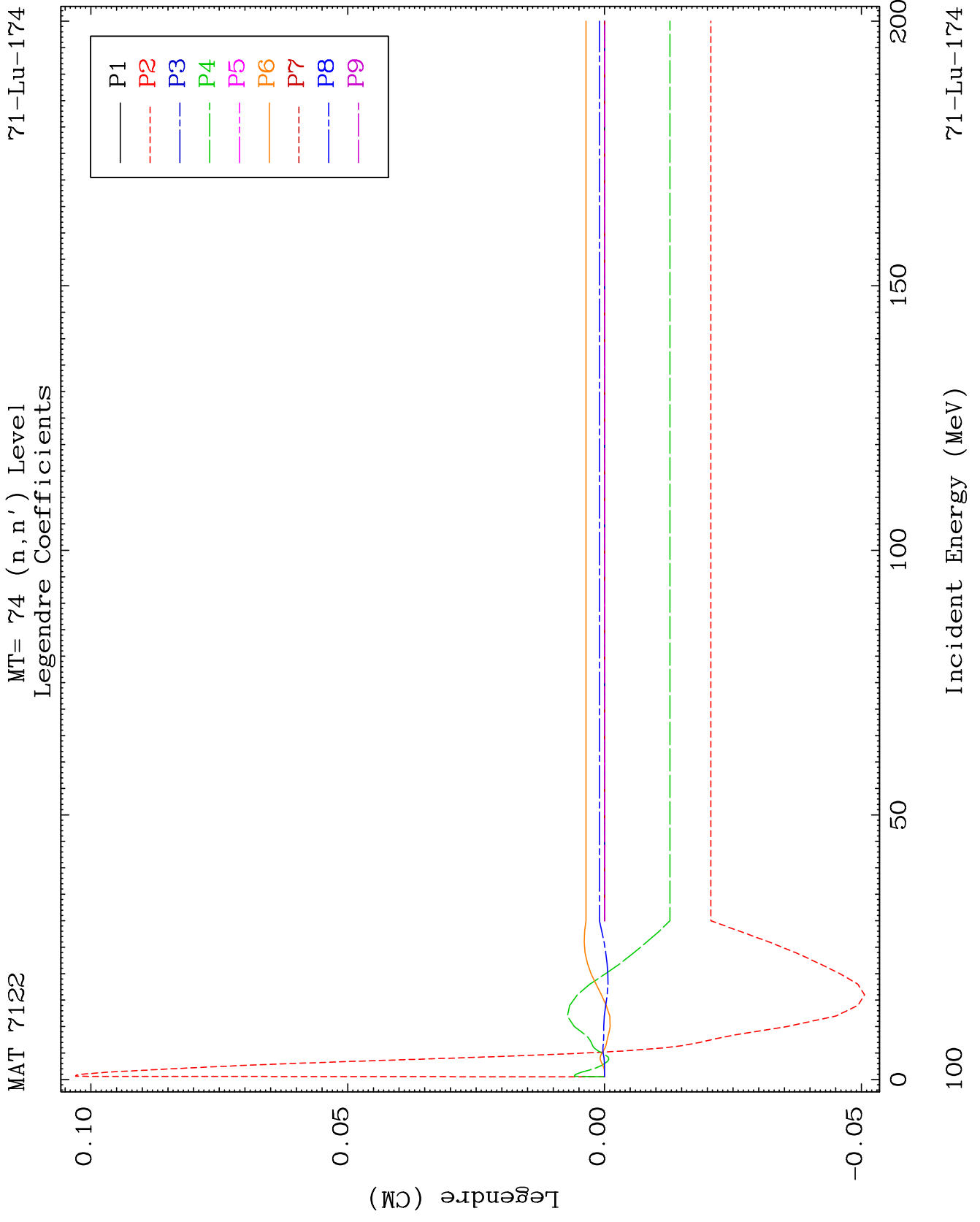


98

Incident Energy (MeV)

71-Lu-174



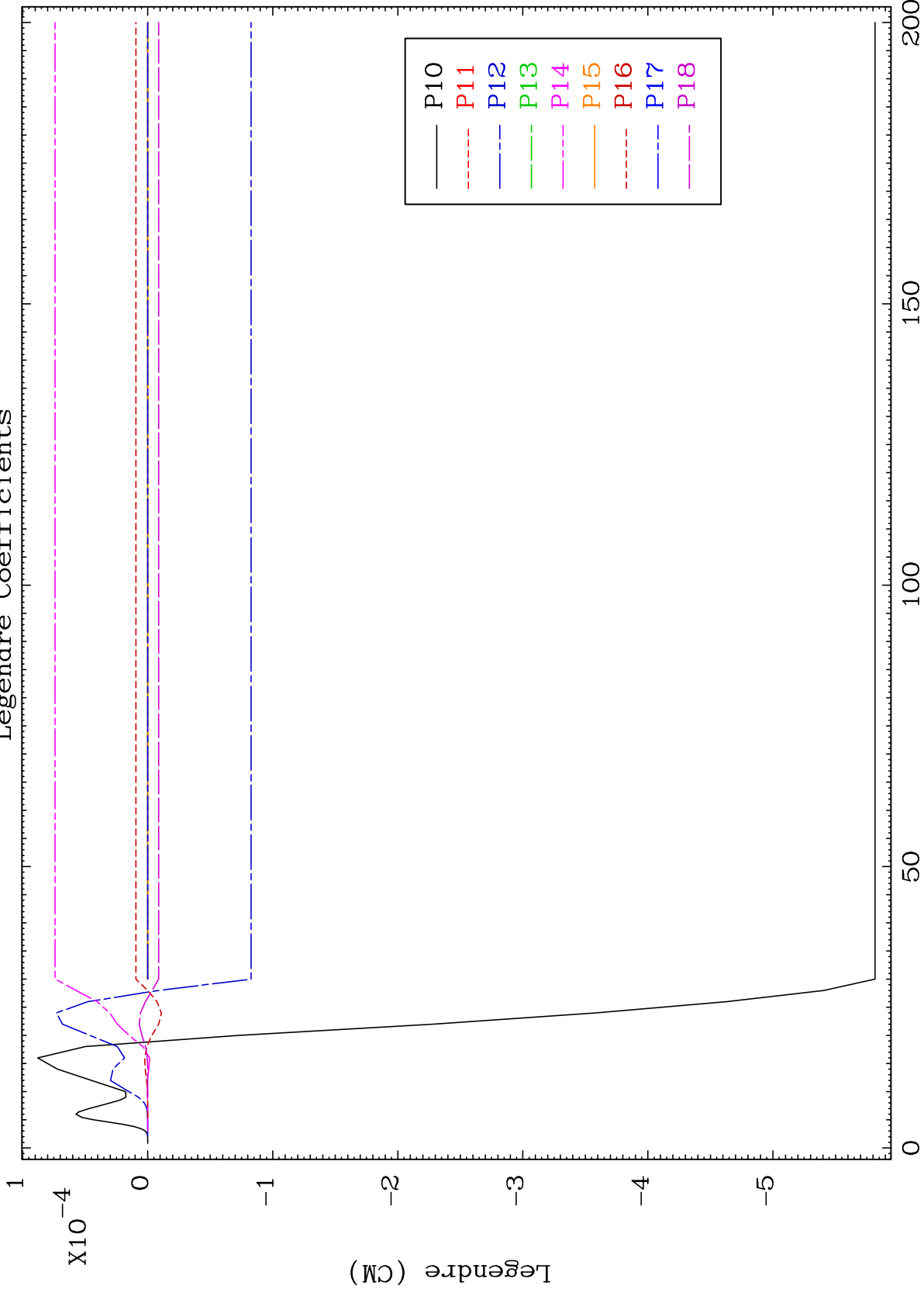


MAT 7122

MT= 74 (n,n') Level

71-Lu-174

Legendre Coefficients



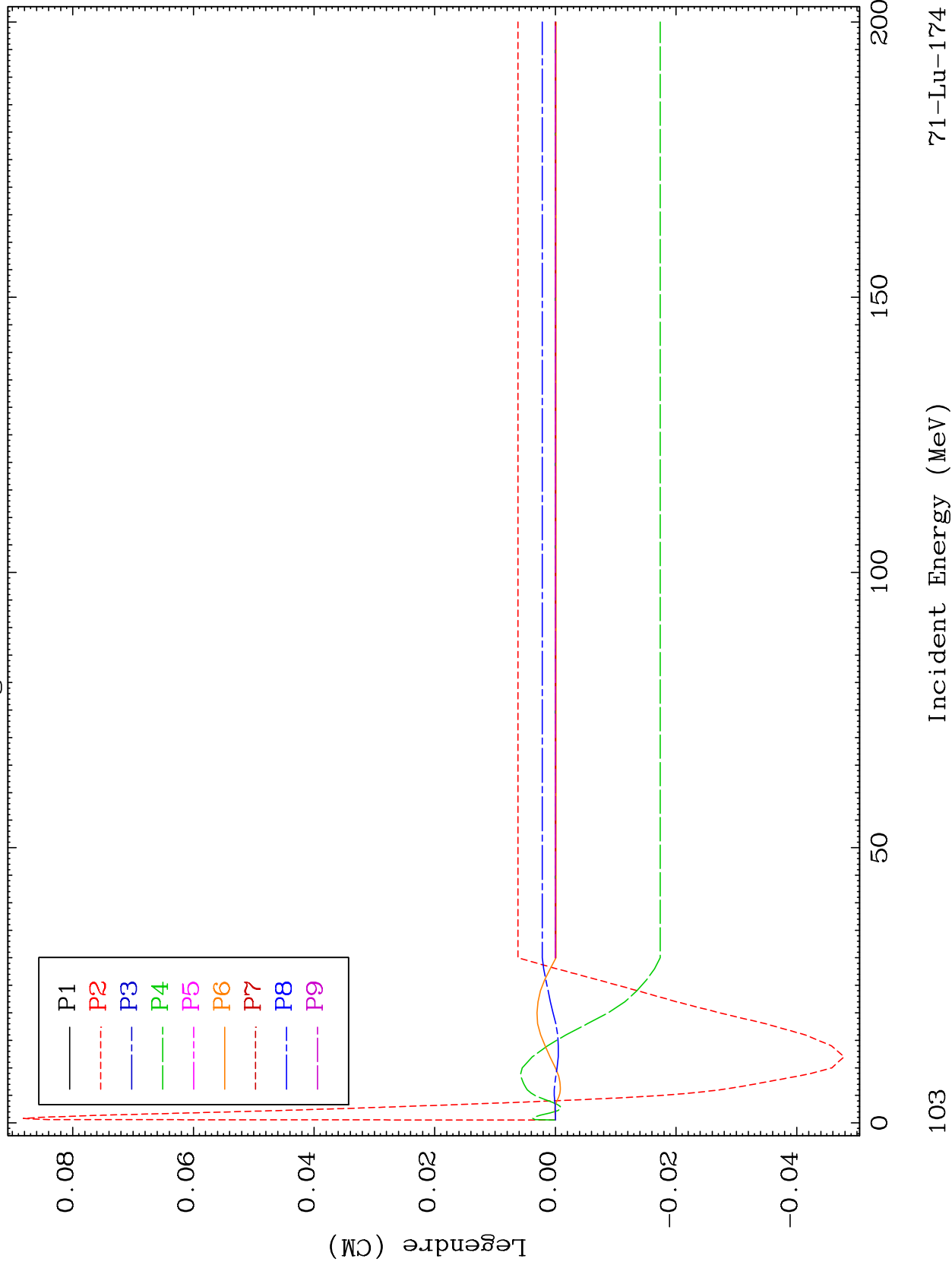
101

71-Lu-174

MAT 7122

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

71-Lu-174



71-Lu-174

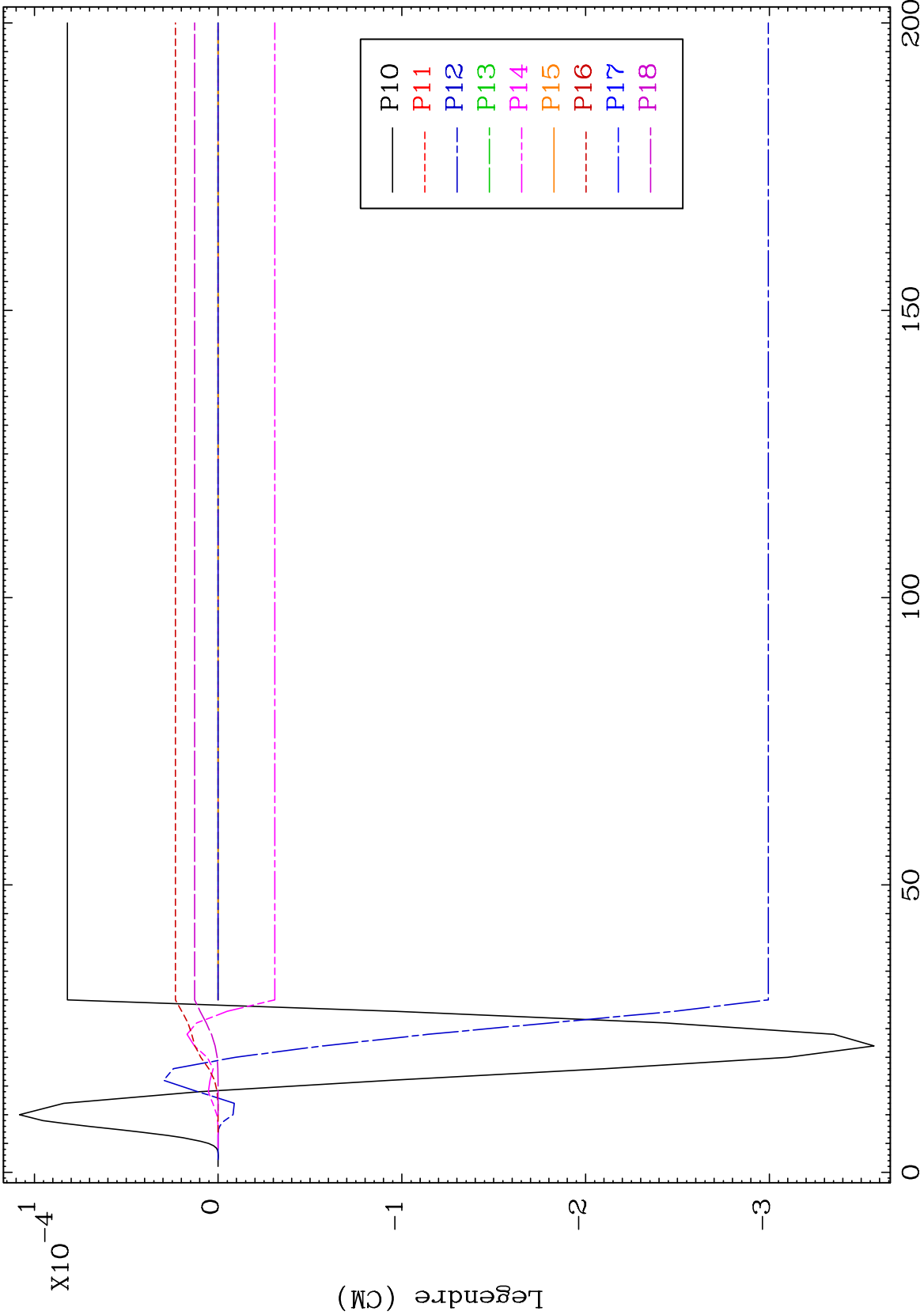
Incident Energy (MeV)

103

MAT 7122

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

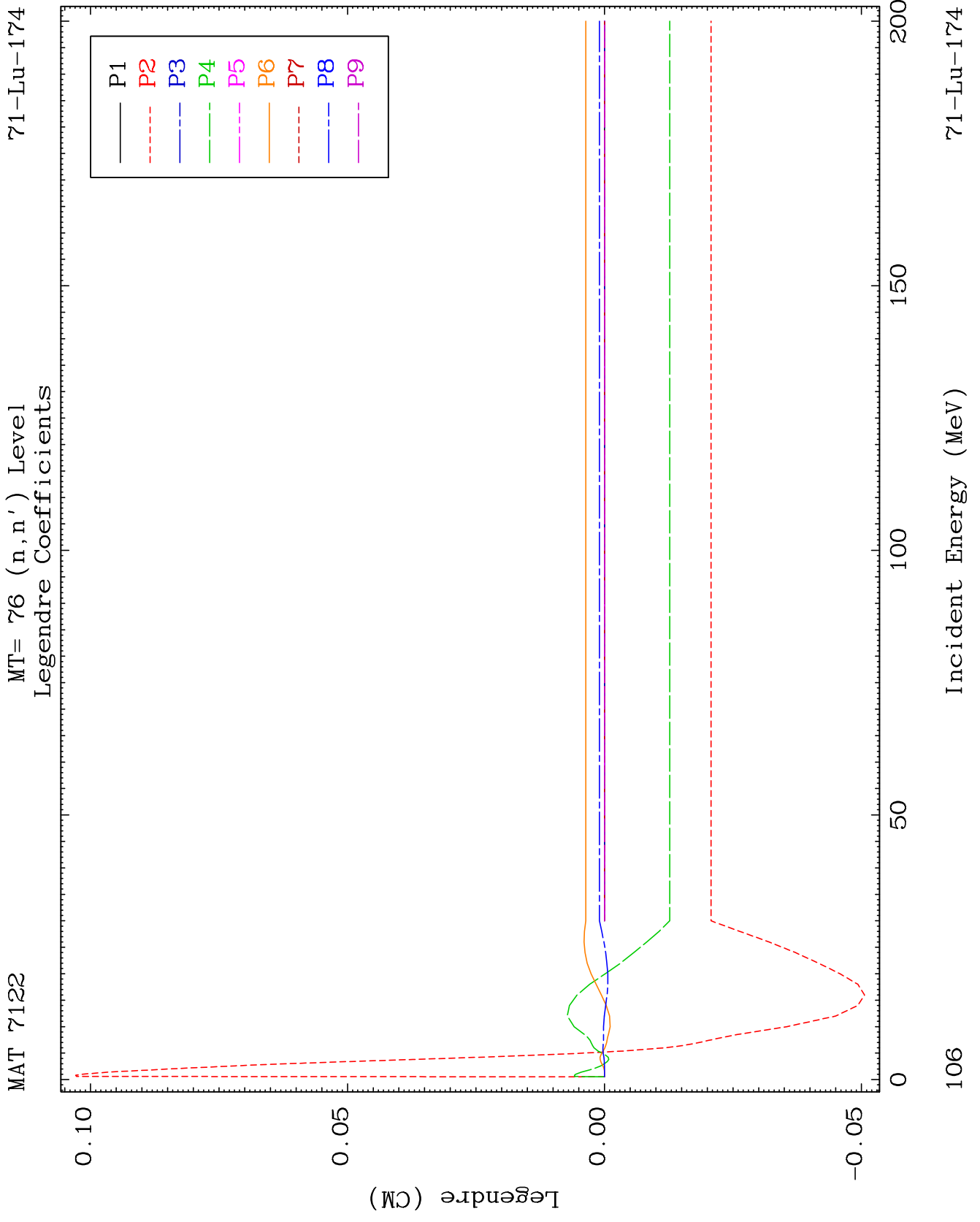
71-Lu-174



104

Incident Energy (MeV)

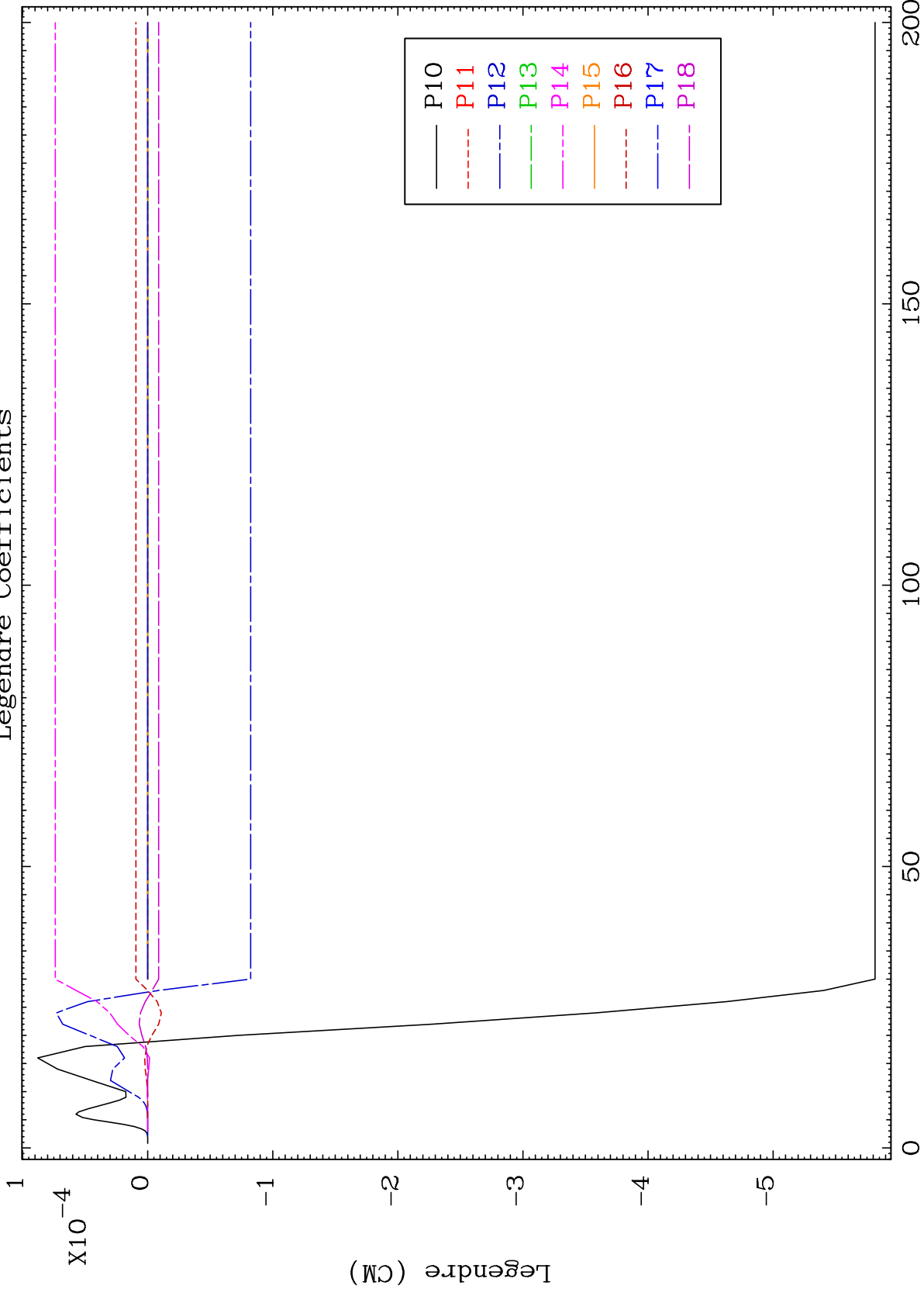
71-Lu-174



MAT 7122

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

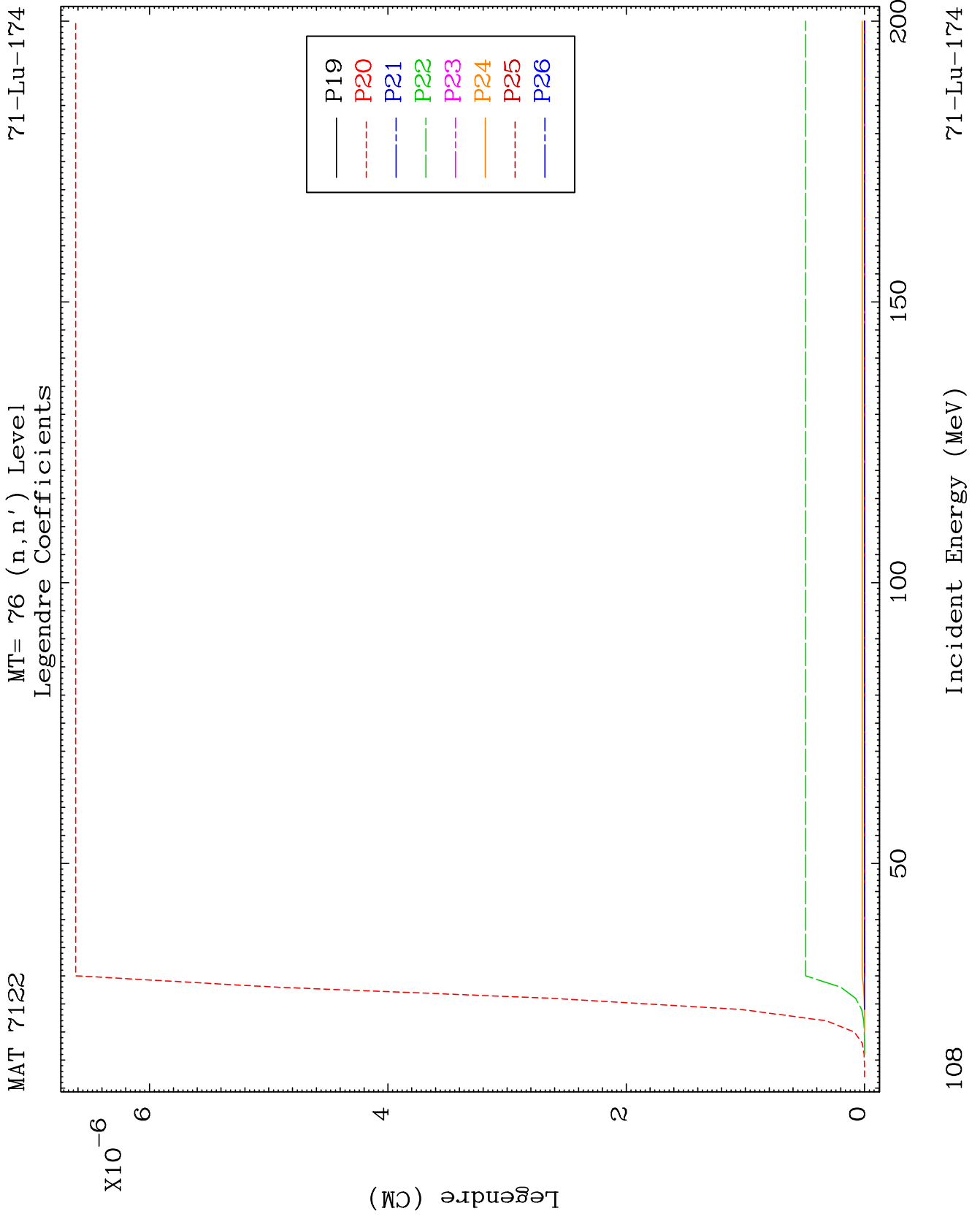
71-Lu-174

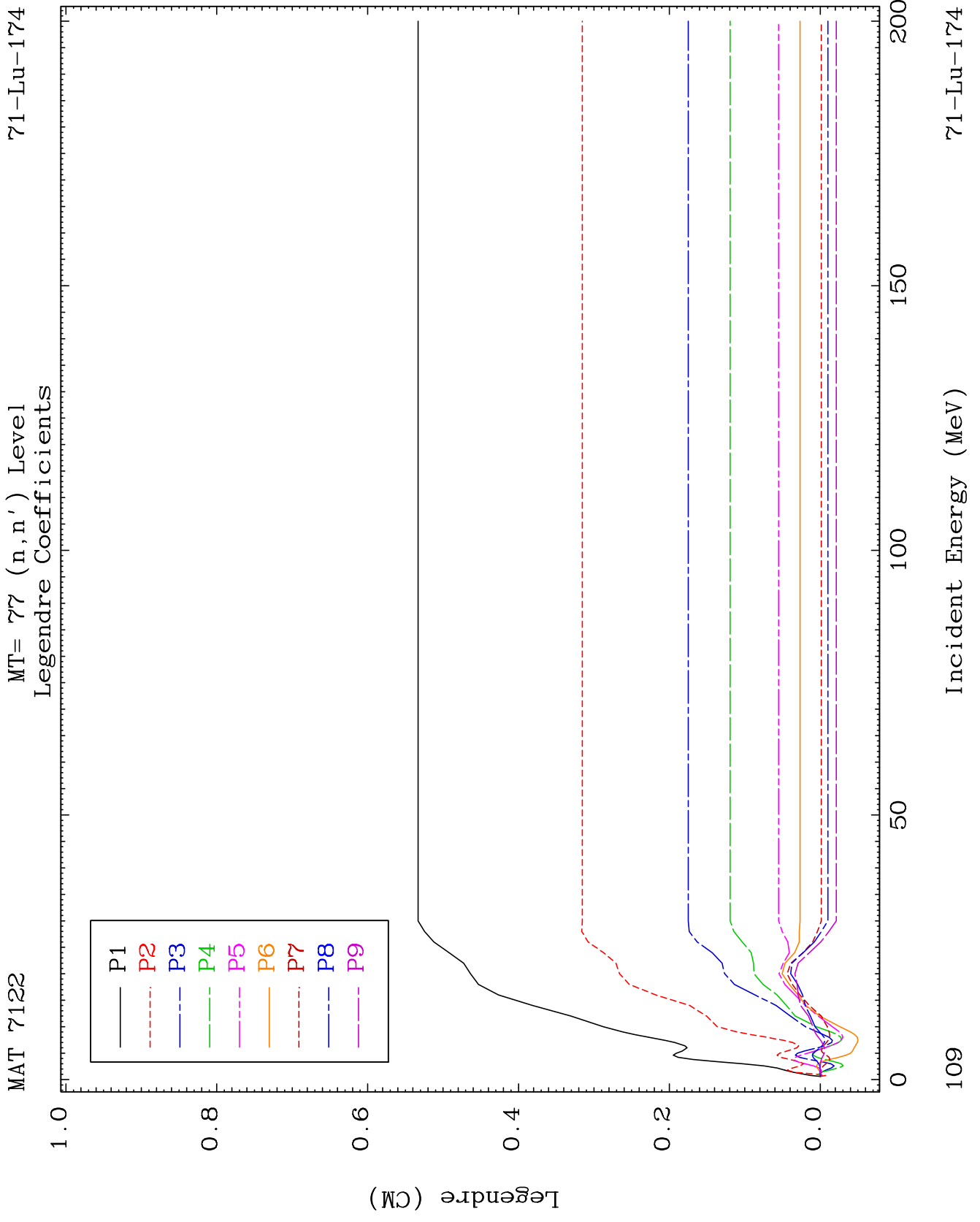


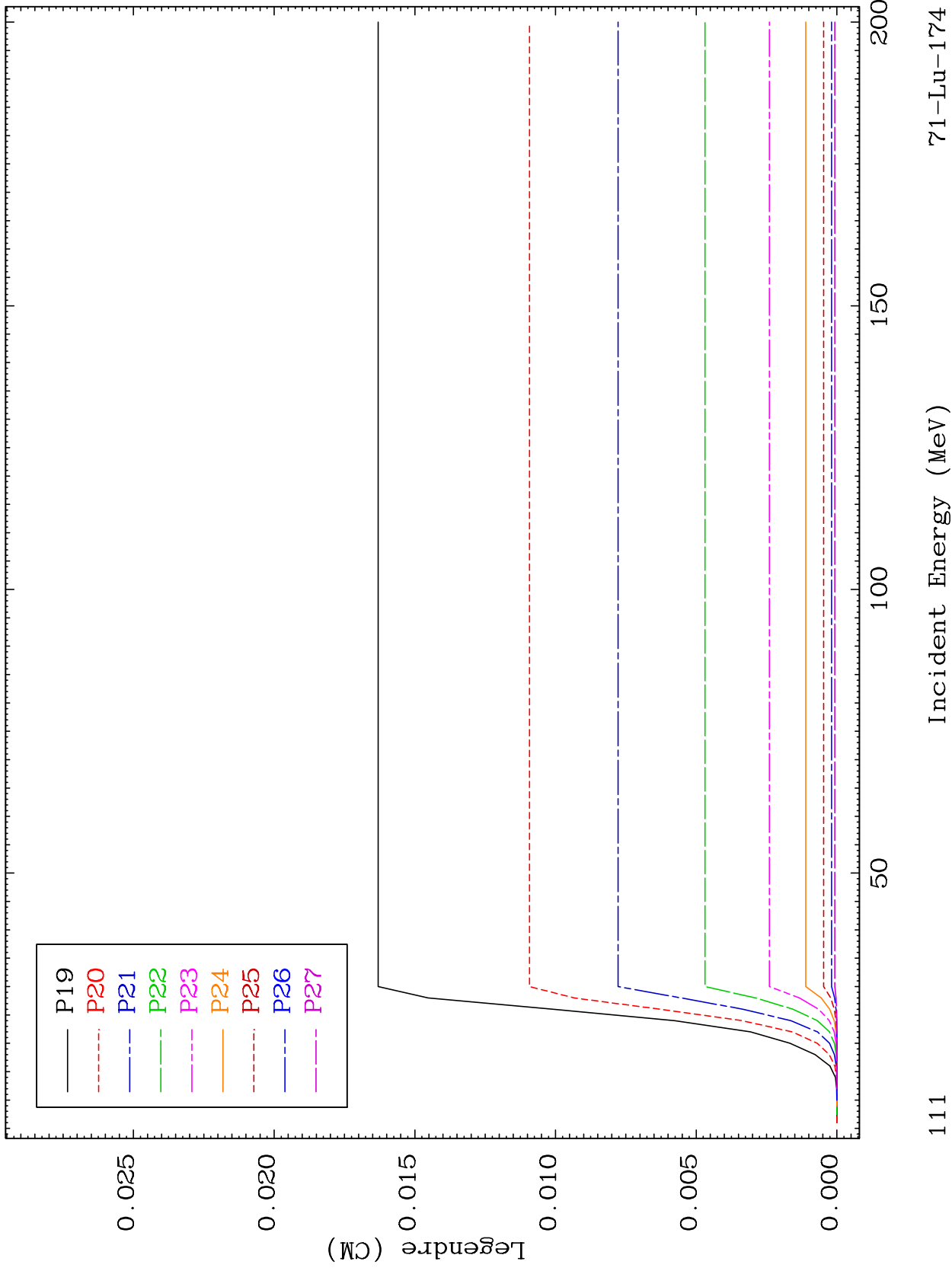
107

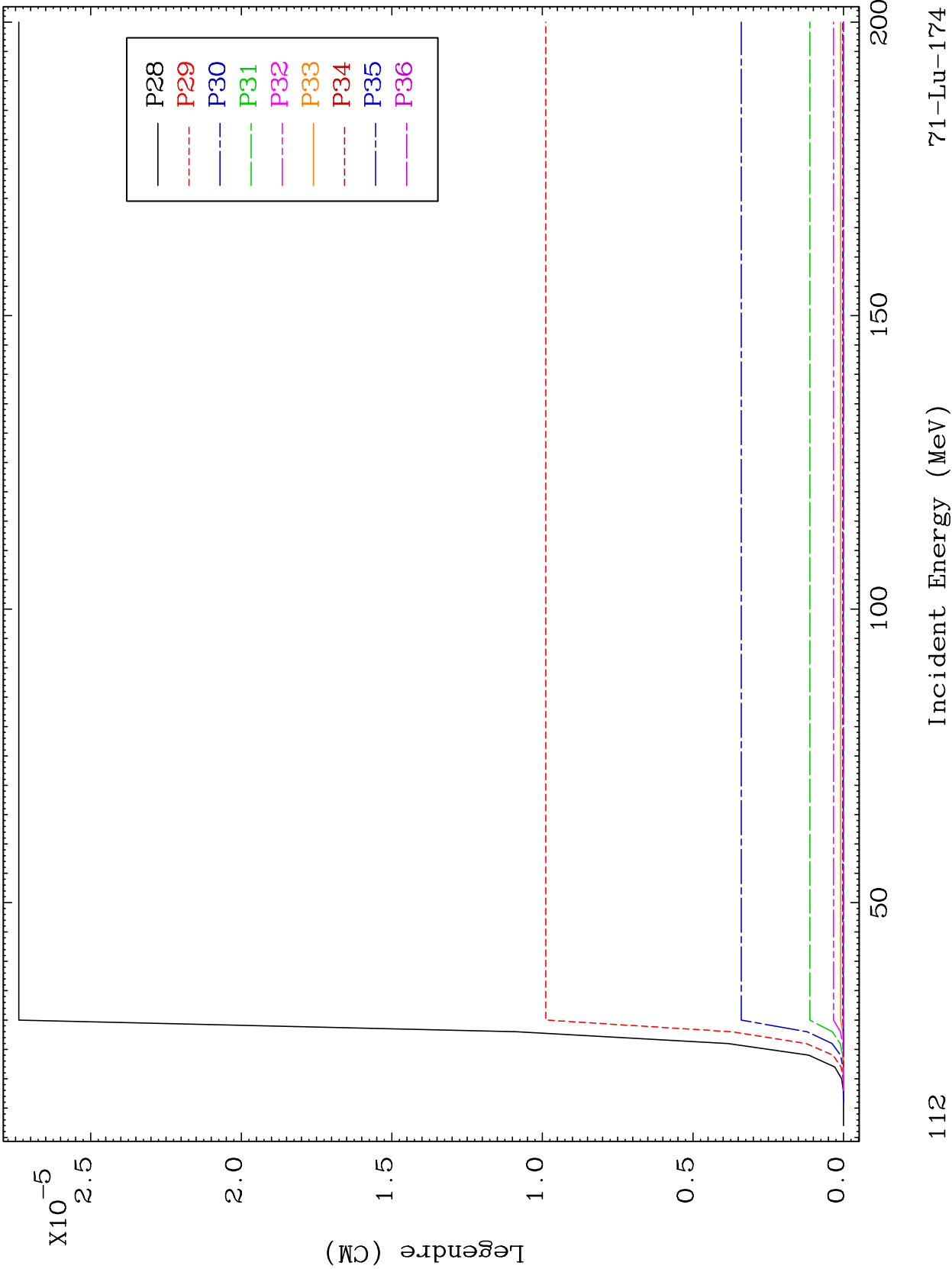
Incident Energy (MeV)

71-Lu-174





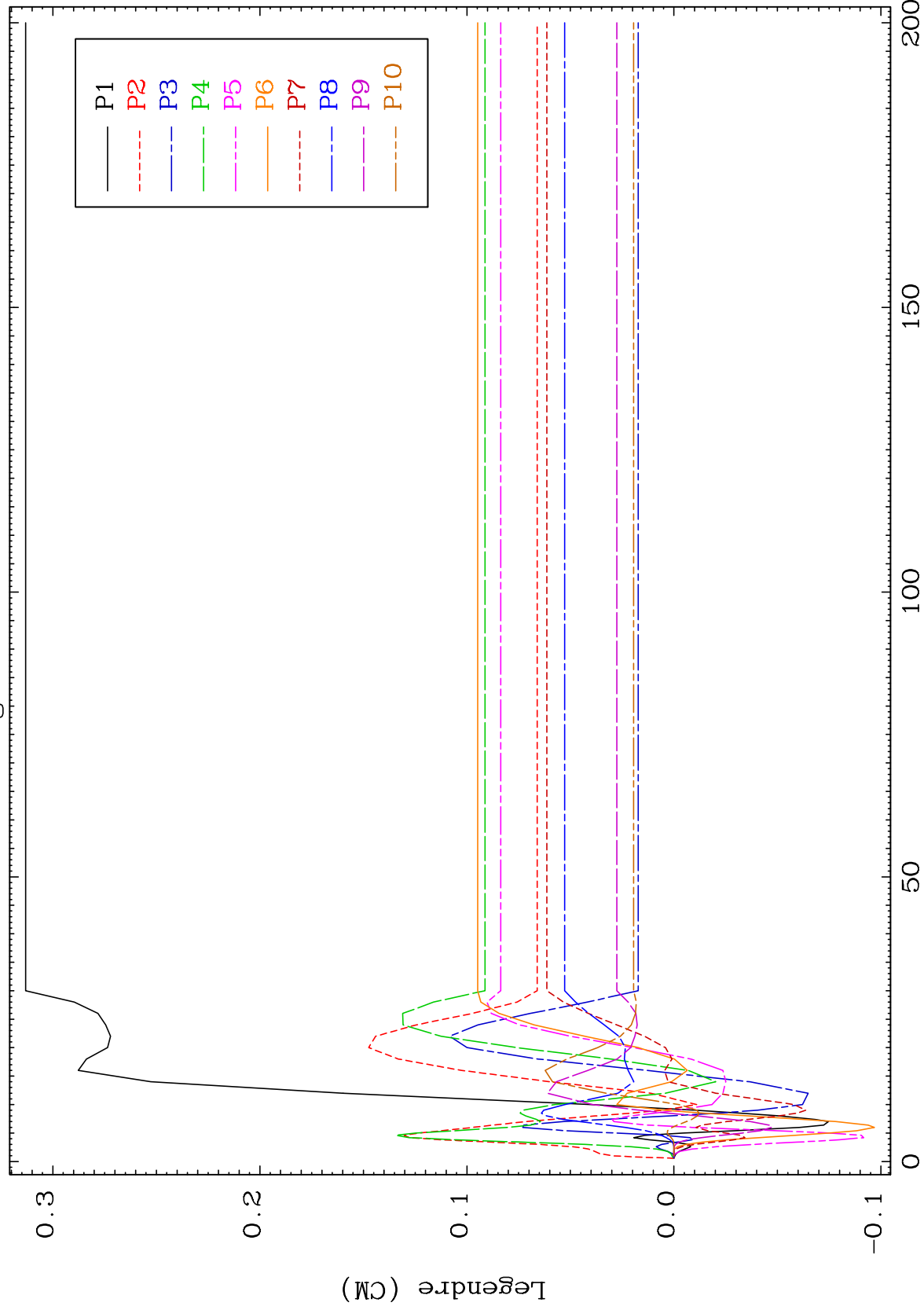




MAT 7122

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

71-Lu-174



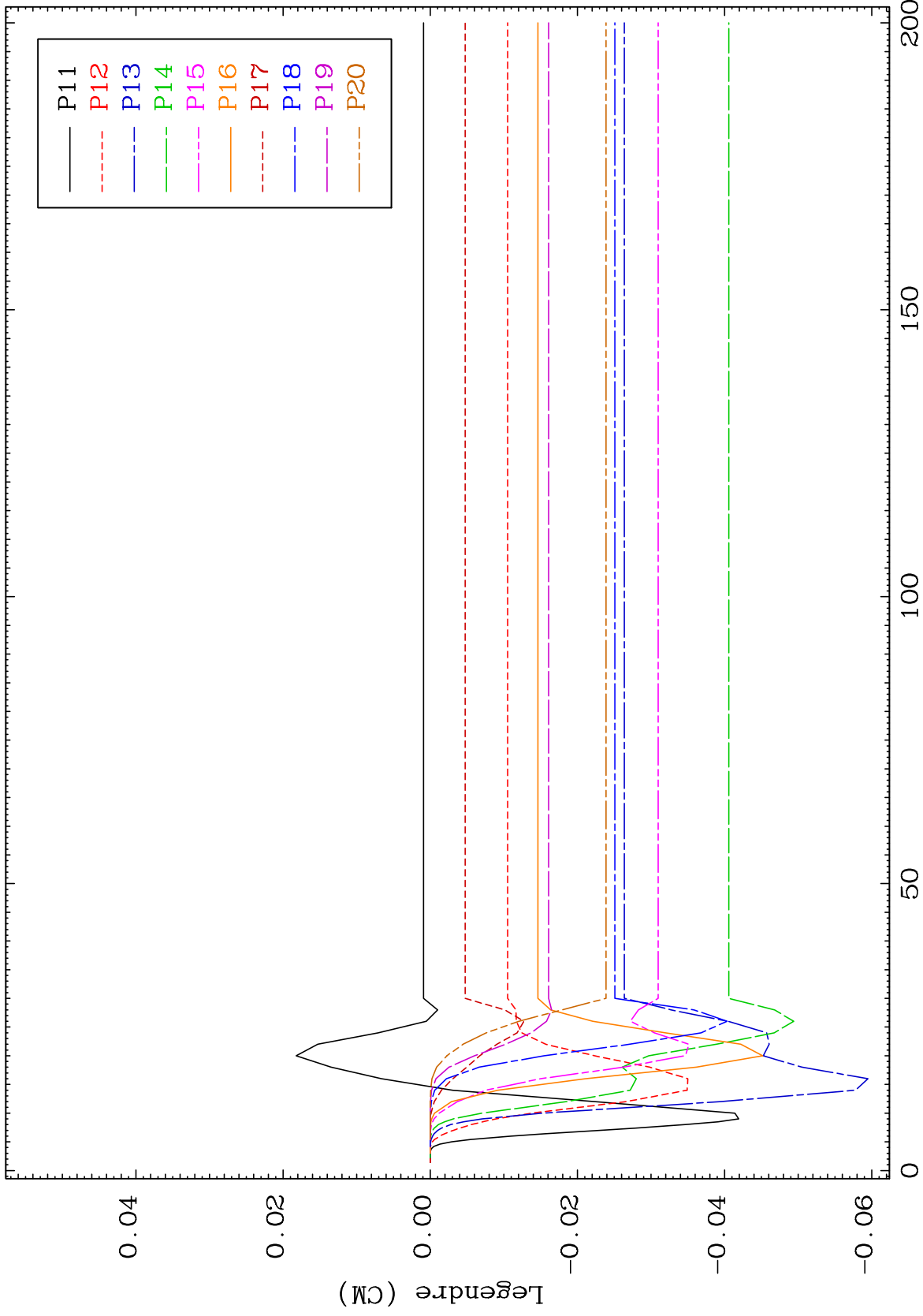
113

71-Lu-174

MAT 7122

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

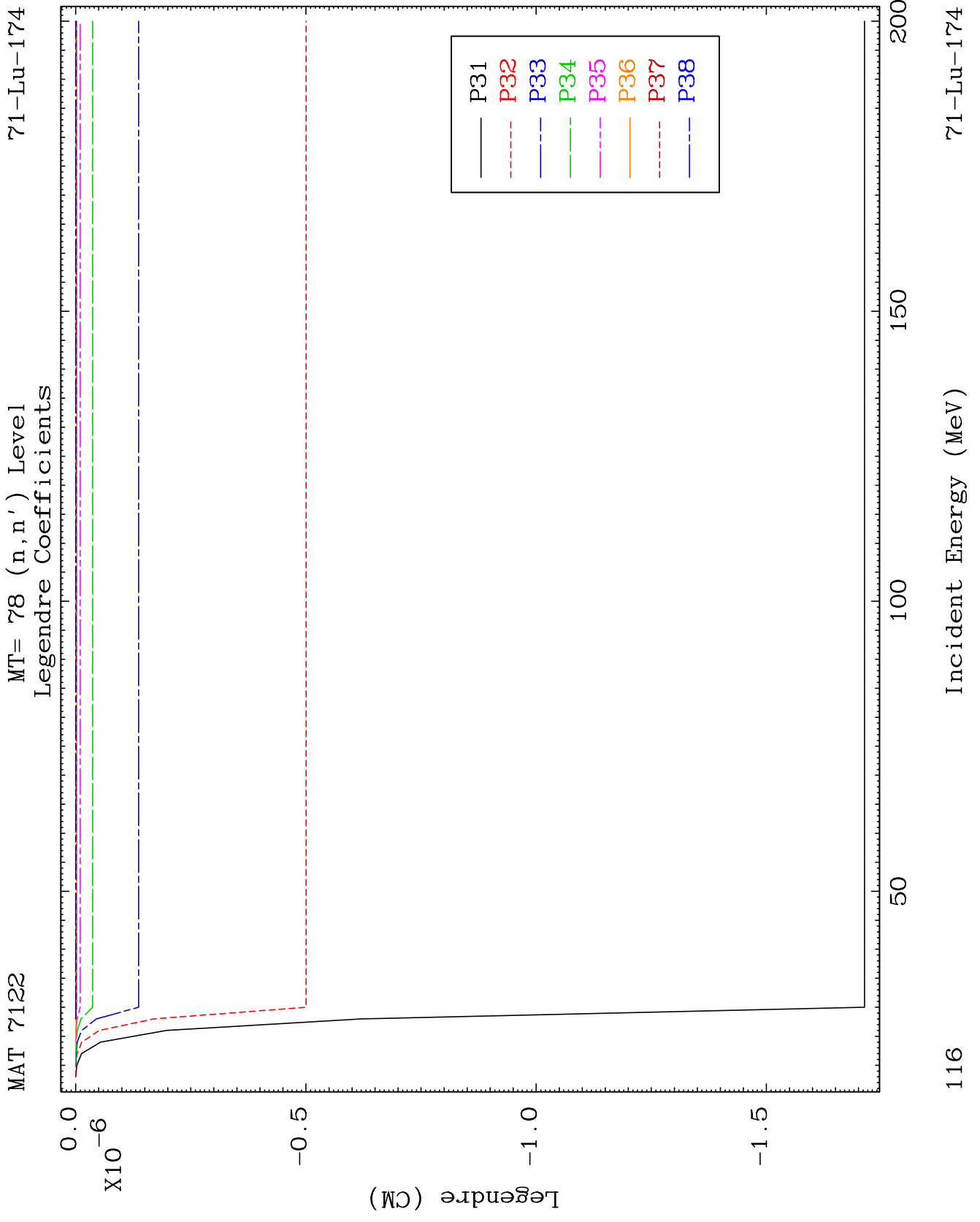
71-Lu-174



71-Lu-174

Incident Energy (MeV)

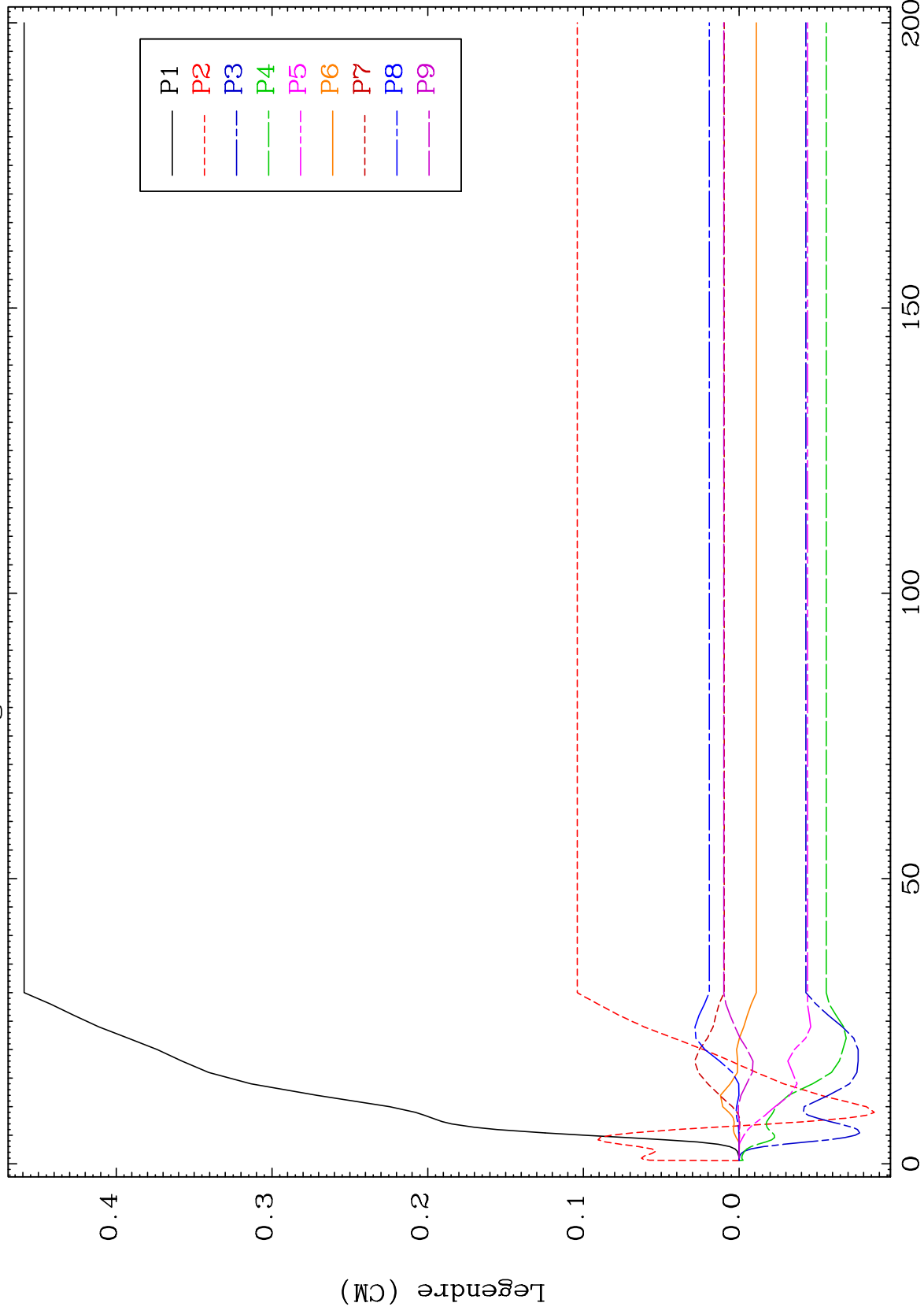
114



MAT 7122

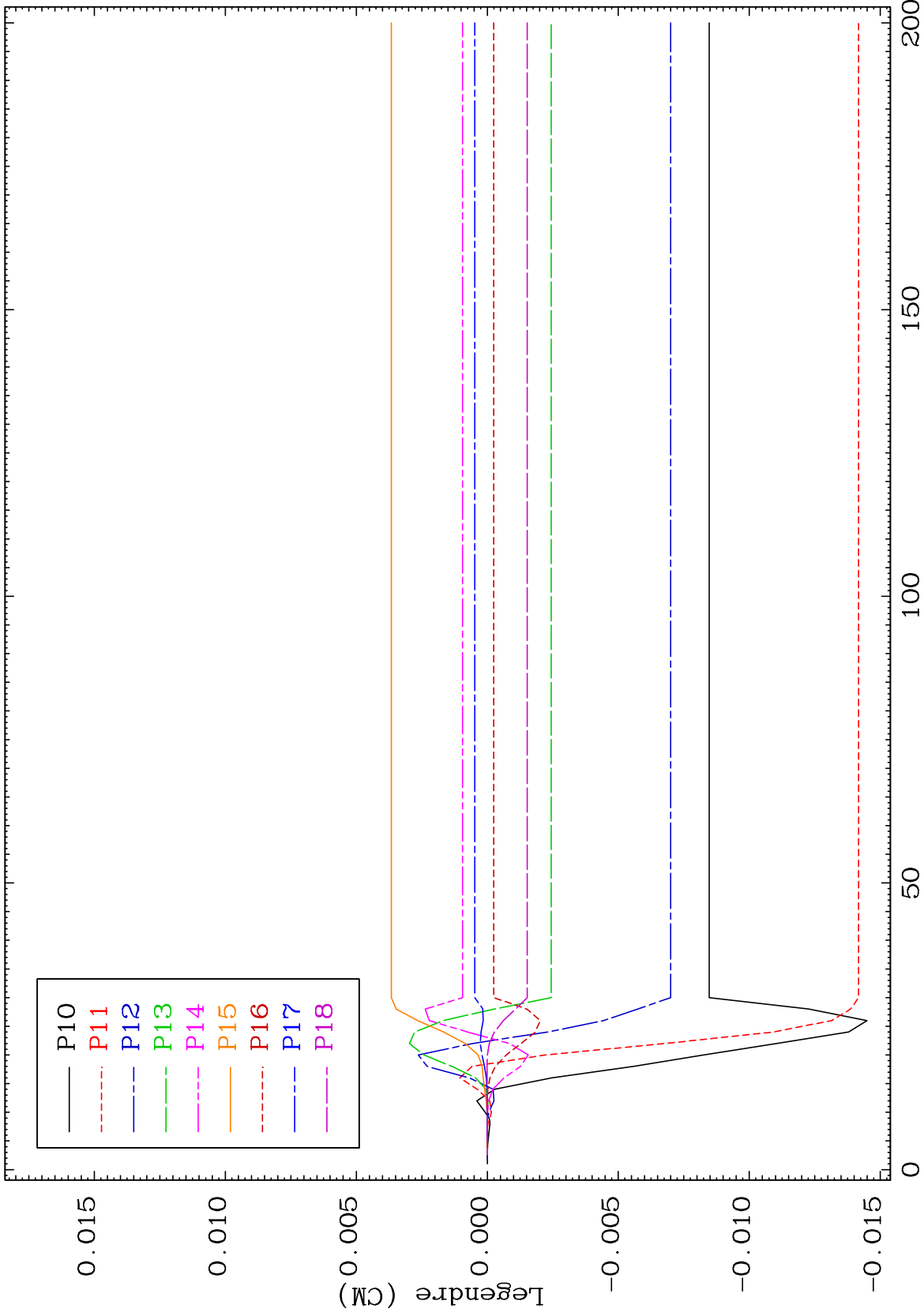
MT= 79 (n,n') Level
Legendre Coefficients

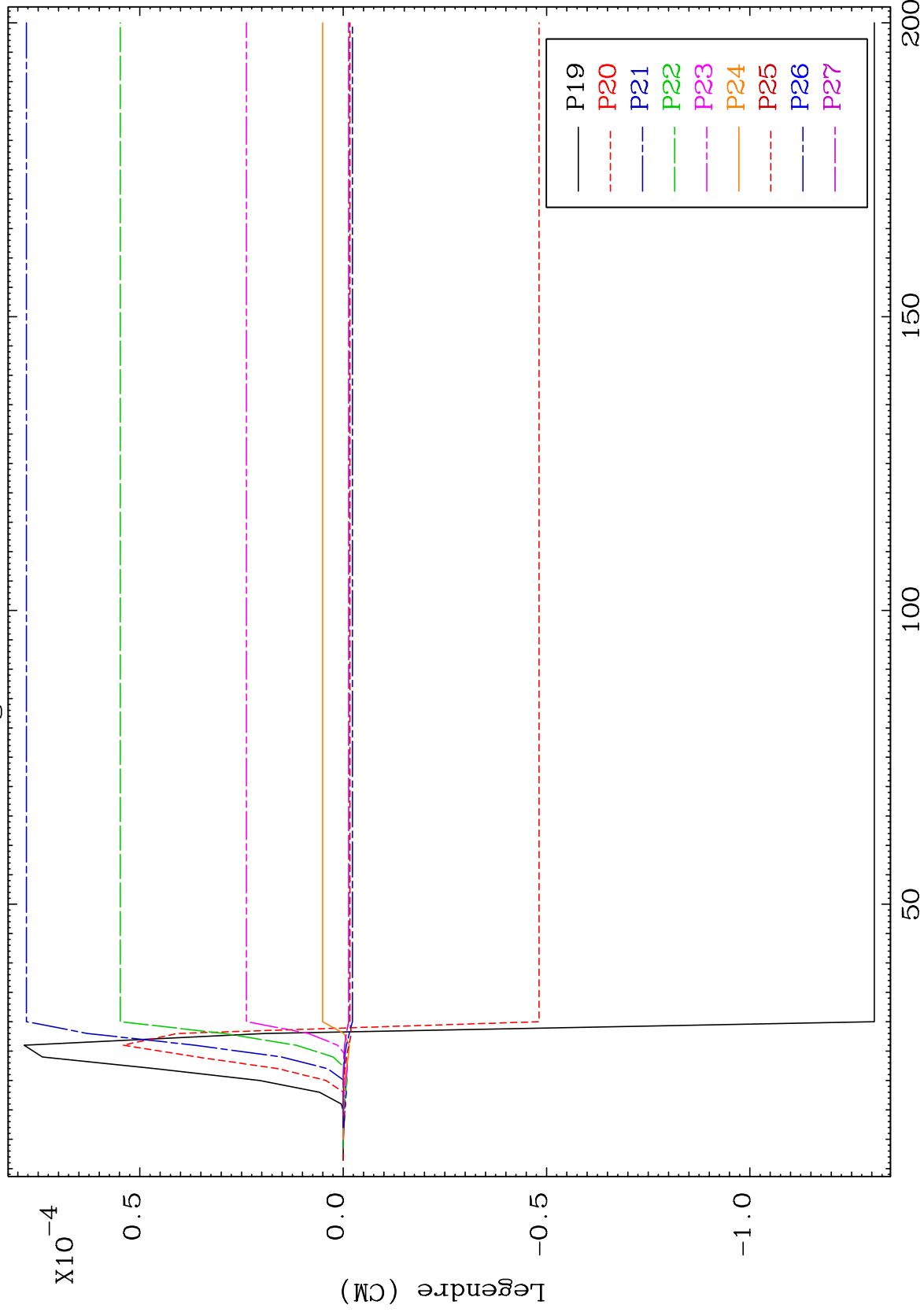
71-Lu-174

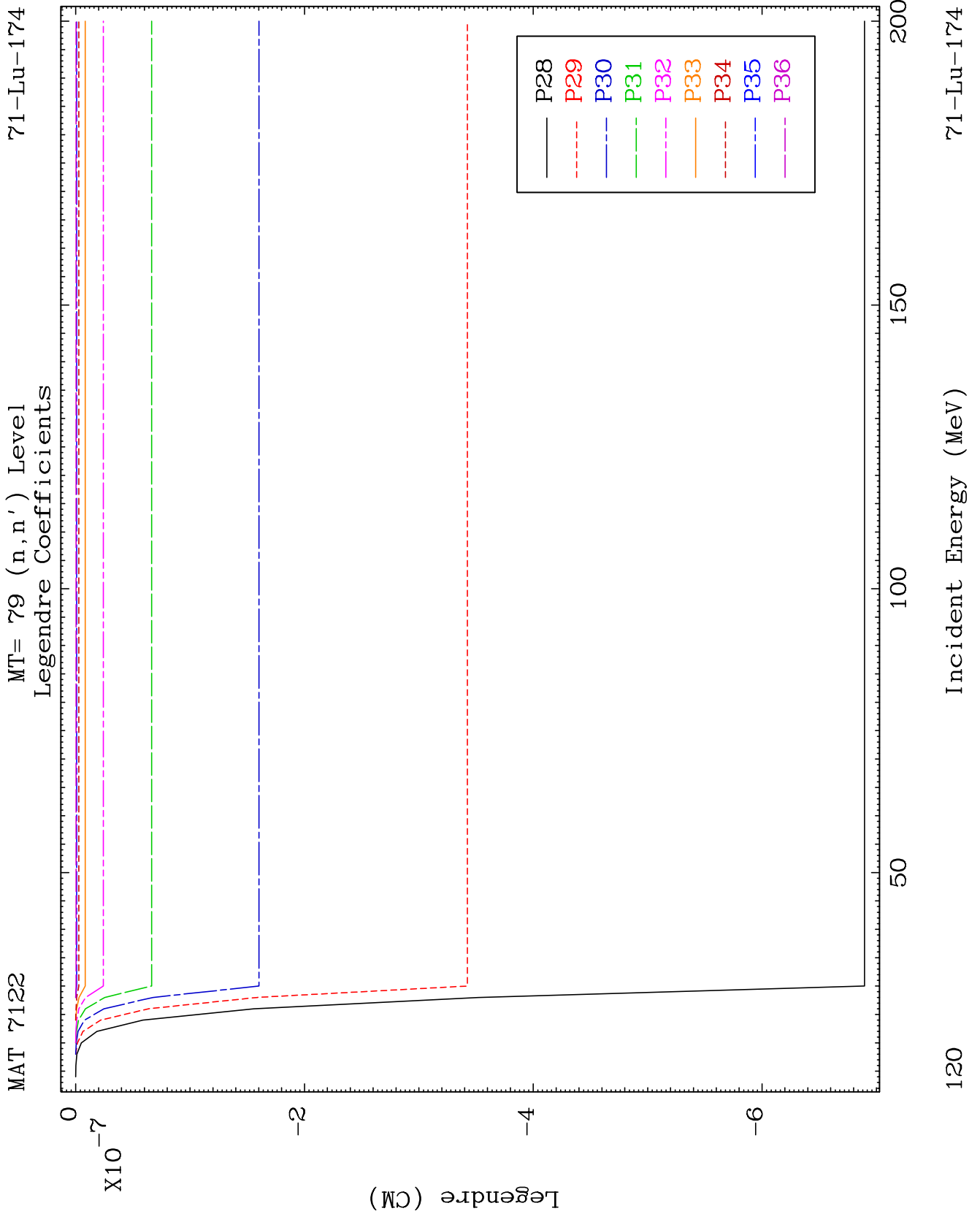


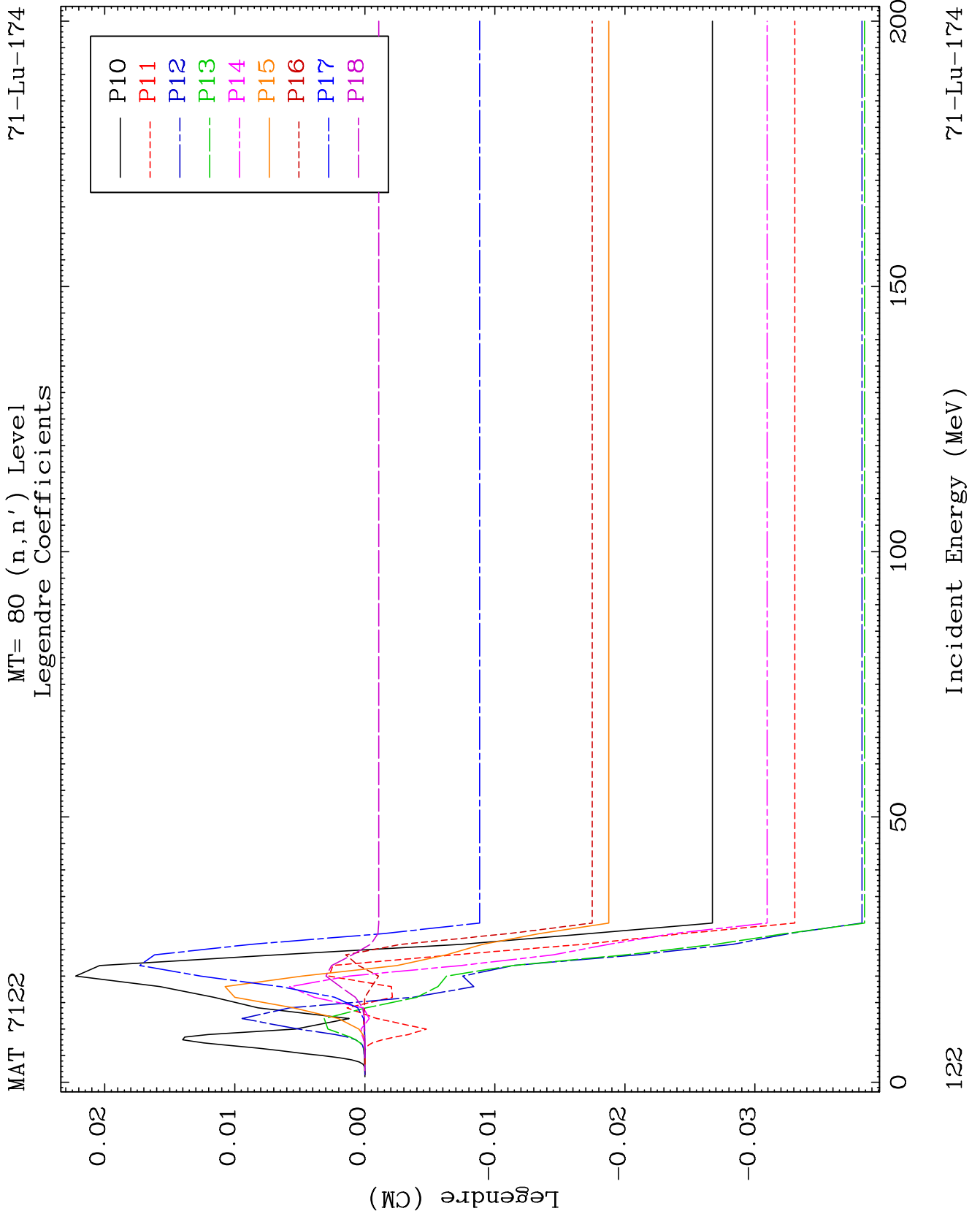
117

71-Lu-174





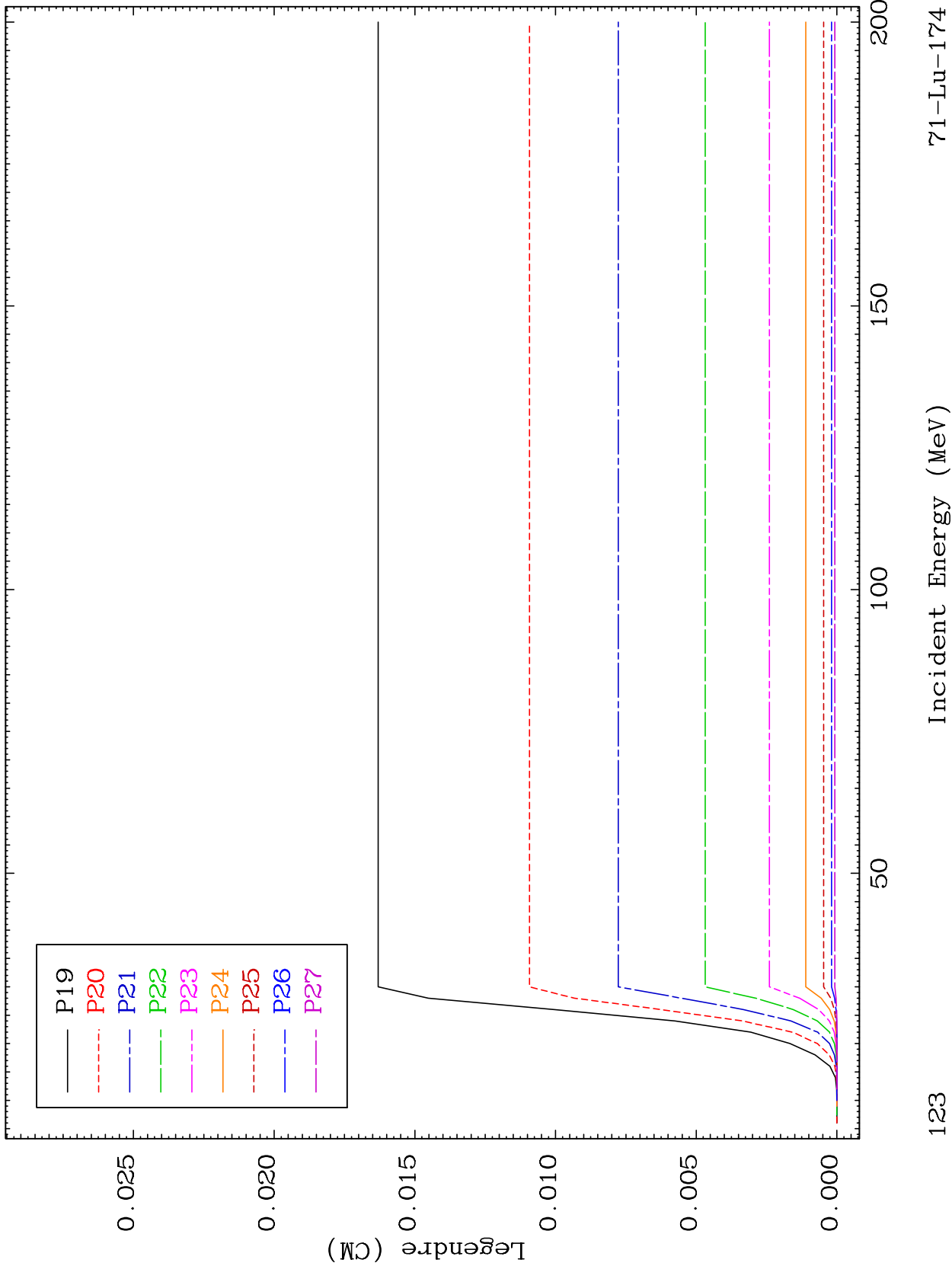




71-Lu-174

Incident Energy (MeV)

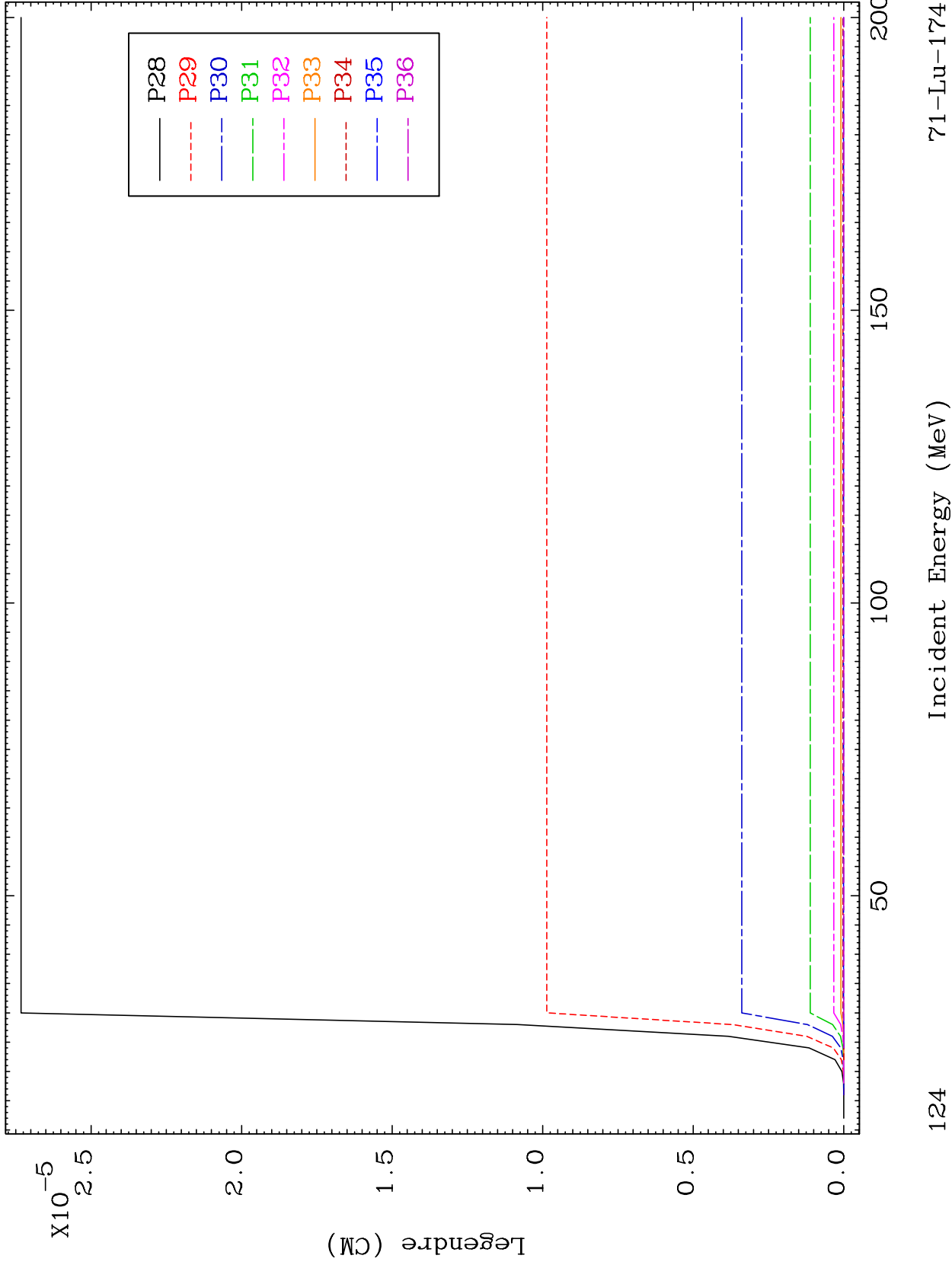
122



MAT 7122

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

71-Lu-174



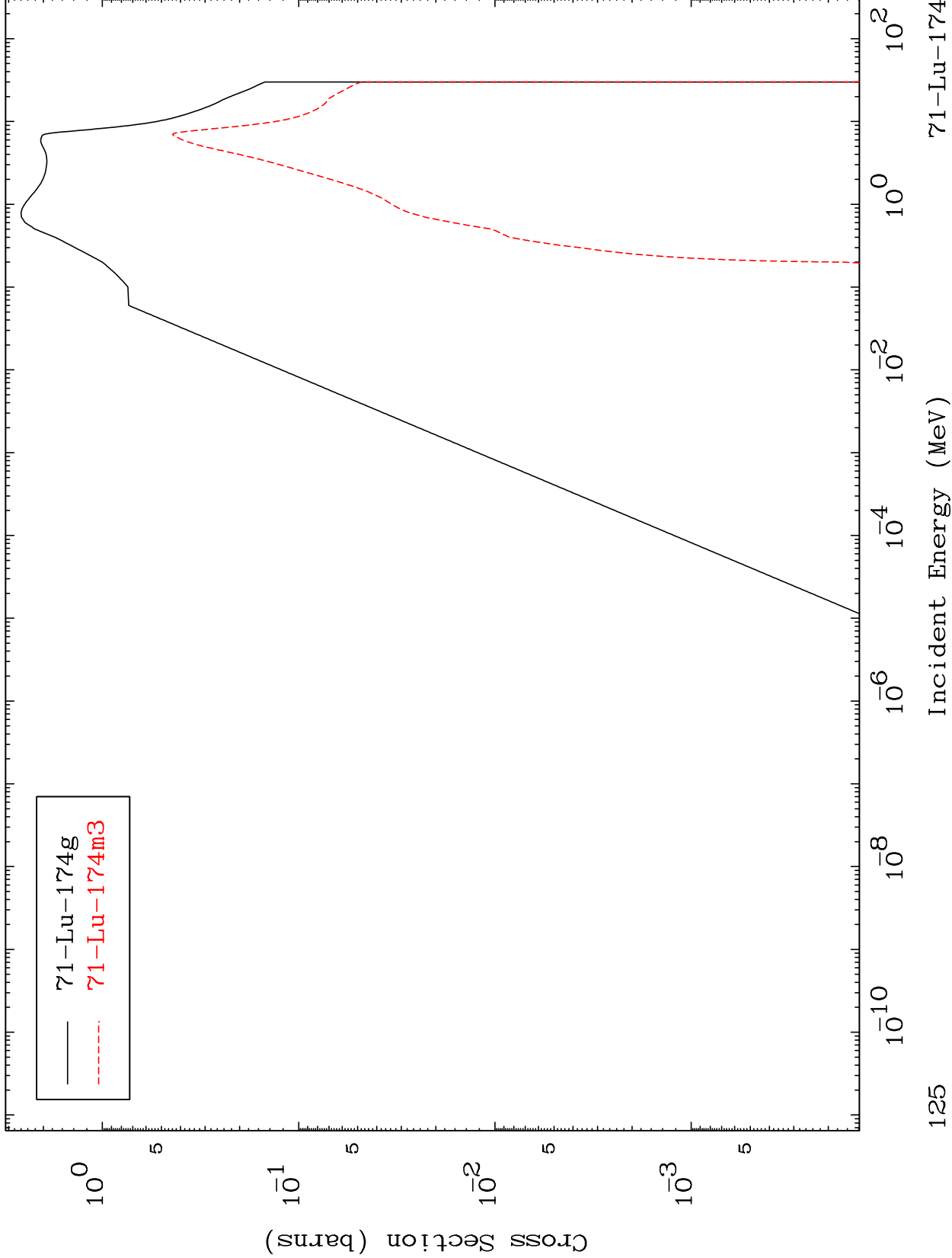
124

71-Lu-174

MAT 7122

Radionuclide Production Cross Section

⁷¹Lu-174

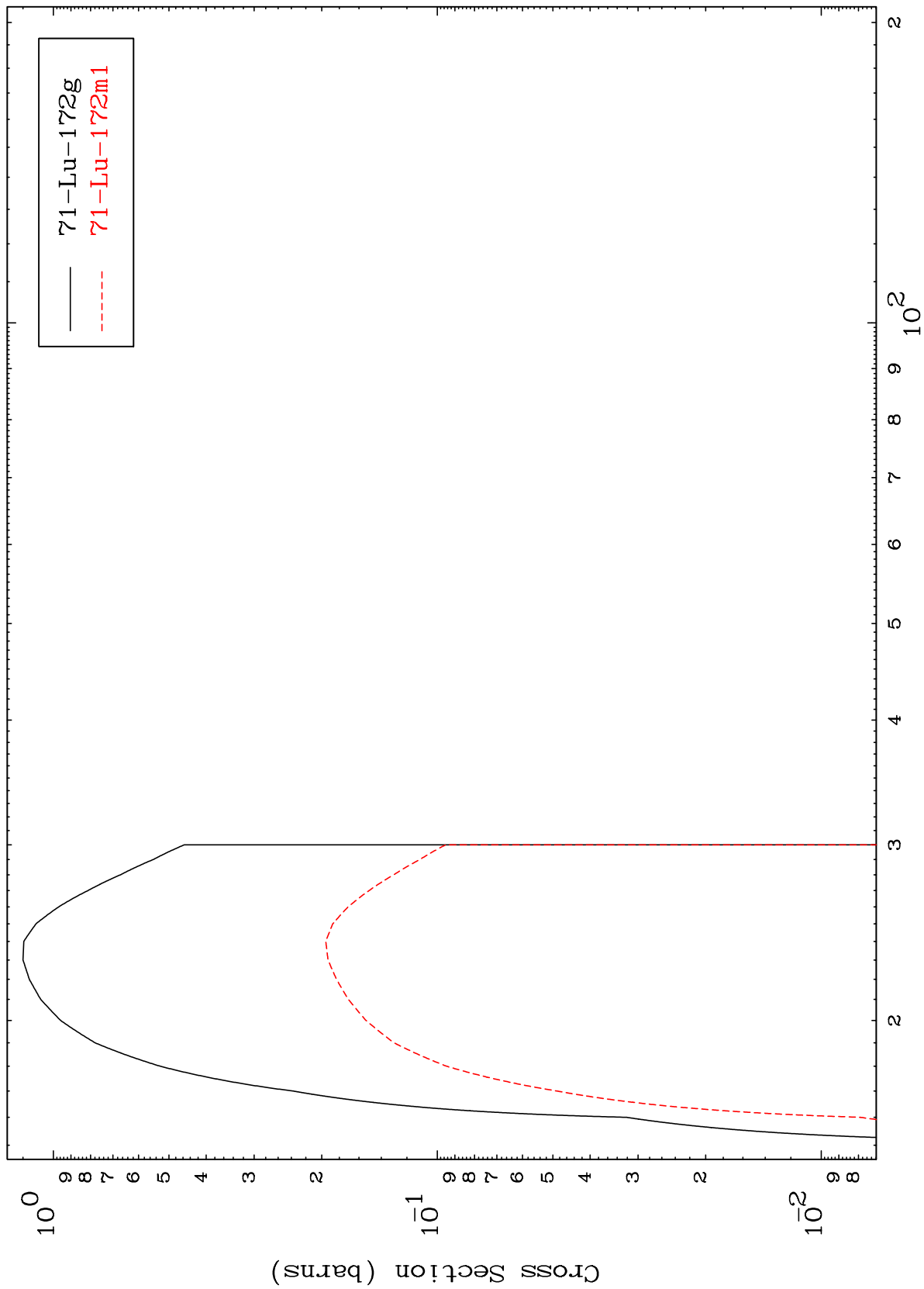


— ⁷¹Lu-174g
- - - ⁷¹Lu-174m3

MAT 7122

71-Lu-174

(n,3n)
Radionuclide Production Cross Section



126

Incident Energy (MeV)

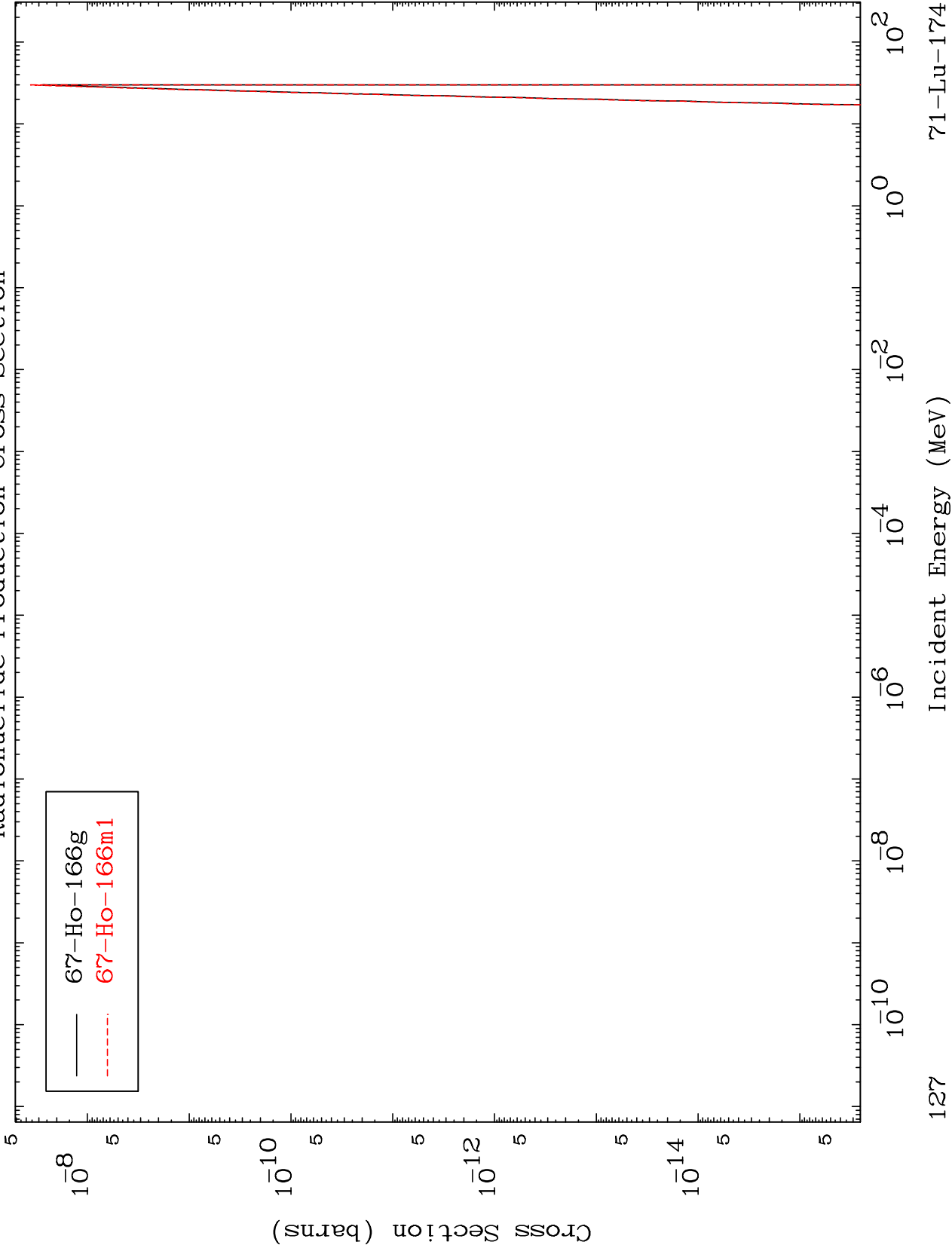
71-Lu-174

MAT 7122

(n,n') 2α

71-Lu-174

Radionuclide Production Cross Section



127

Incident Energy (MeV)

71-Lu-174

Radionuclide Production Cross Section

