

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

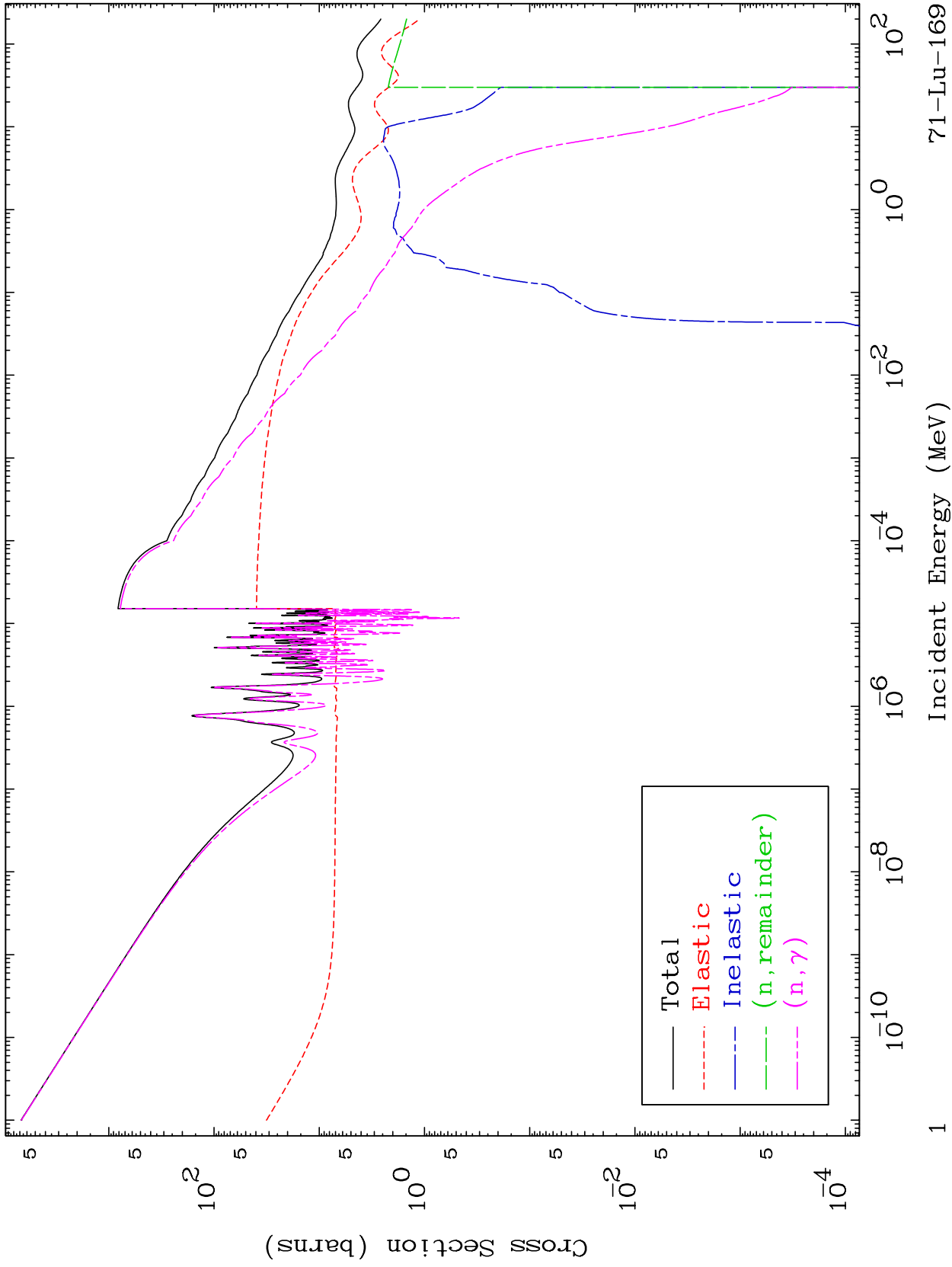
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7107

Major
293 Kelvin Cross Sections

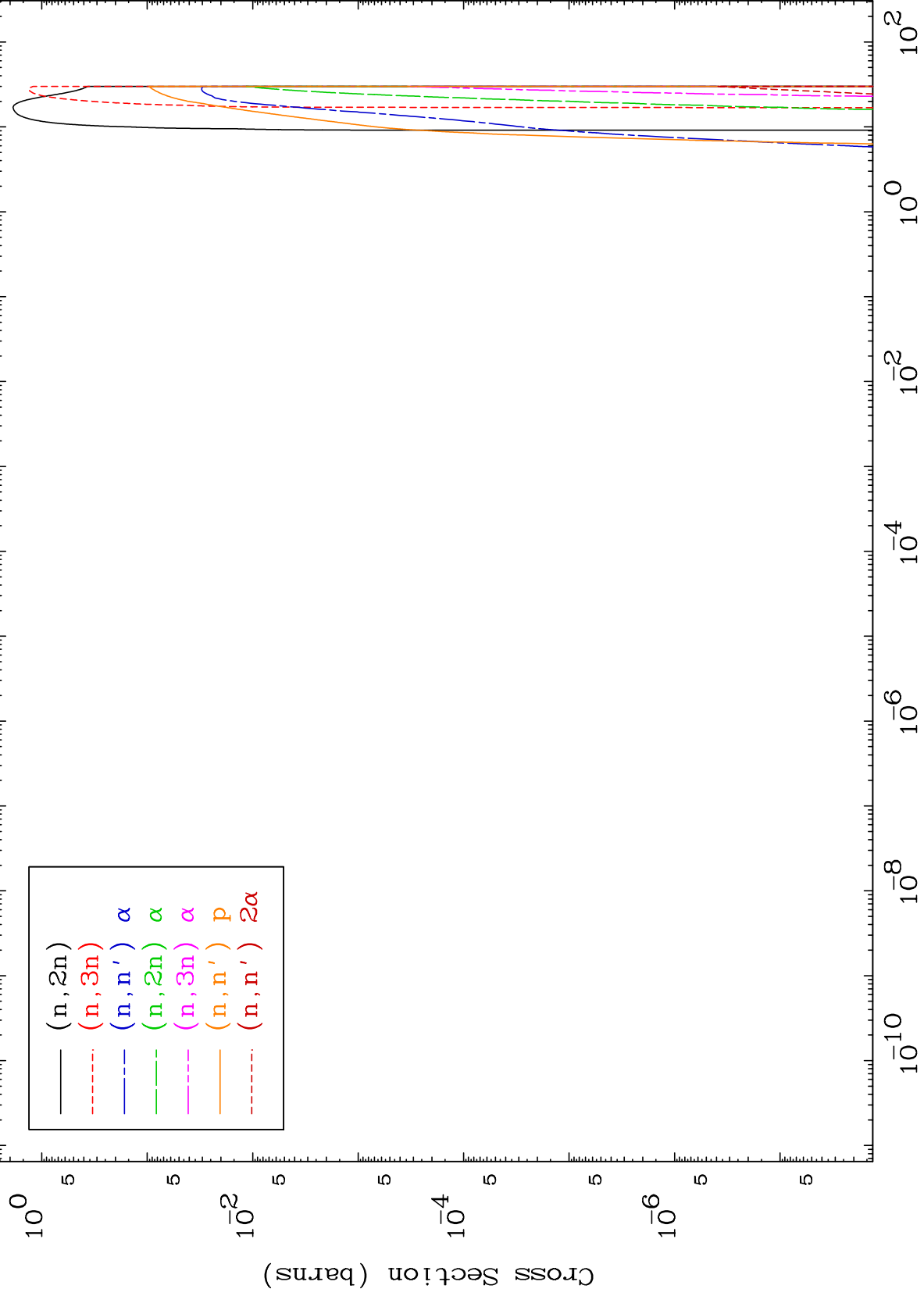
71-Lu-169



MAT 7107

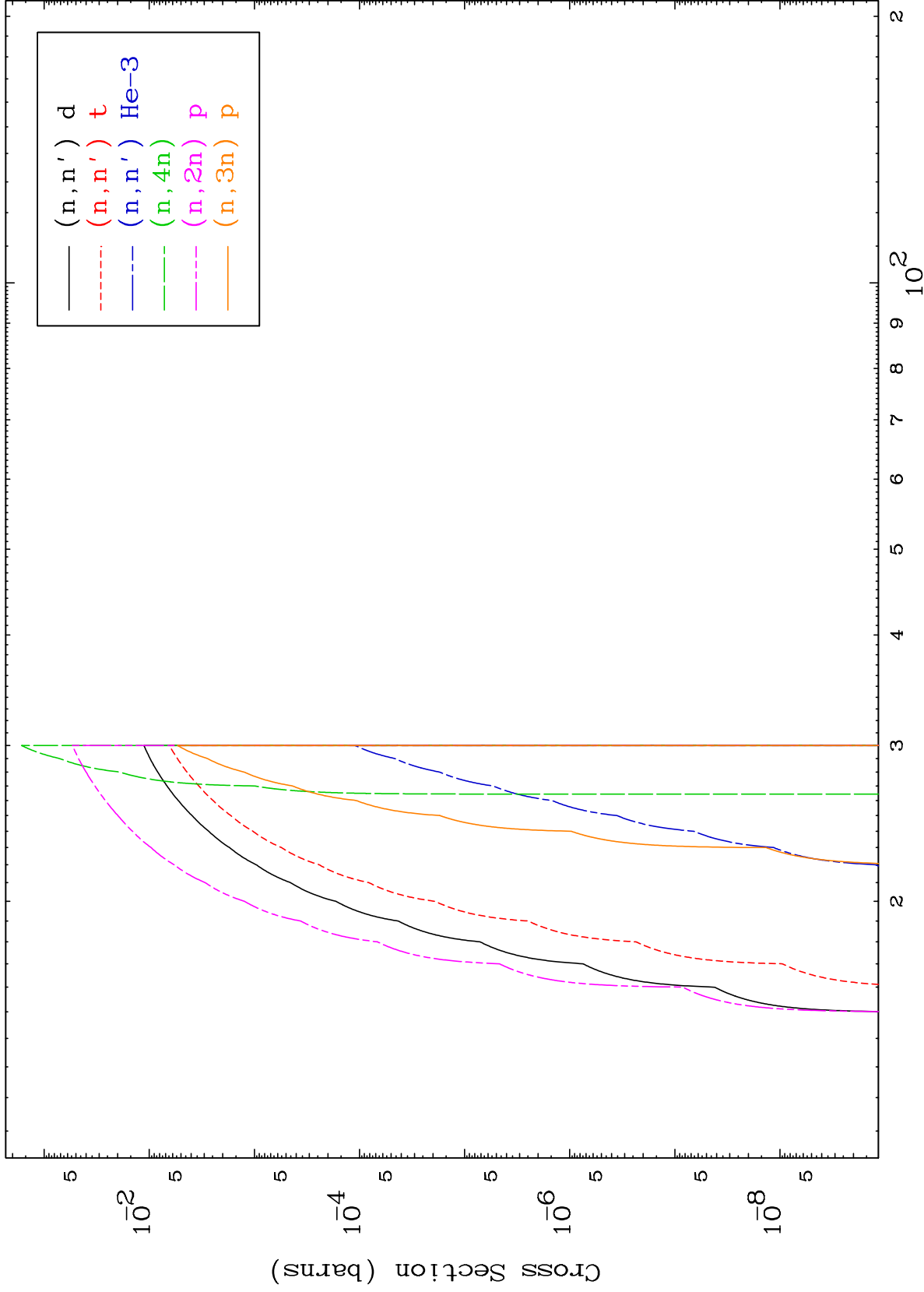
Neutron Production
293 Kelvin Cross Sections

71-Lu-169



71-Lu-169

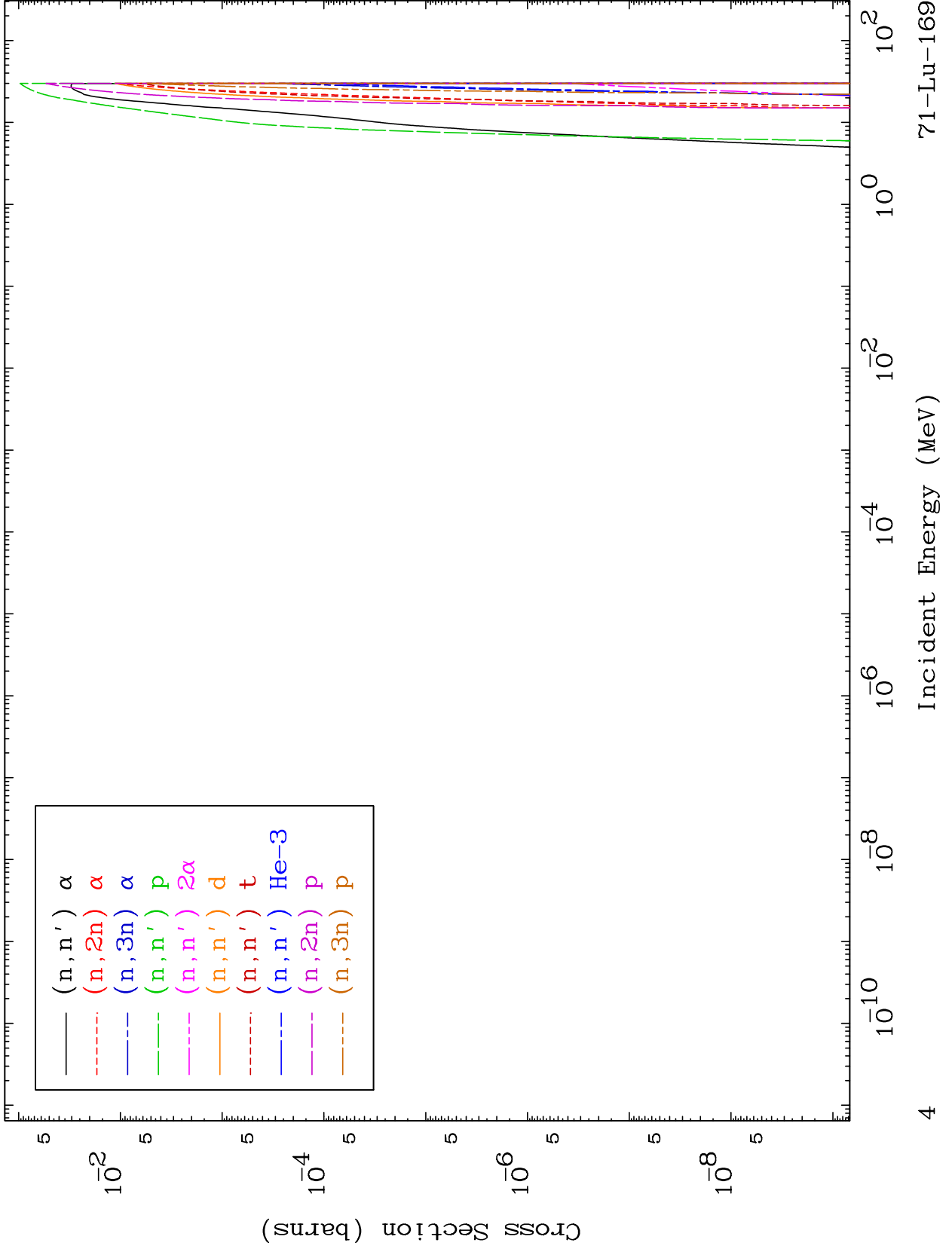
Incident Energy (MeV)

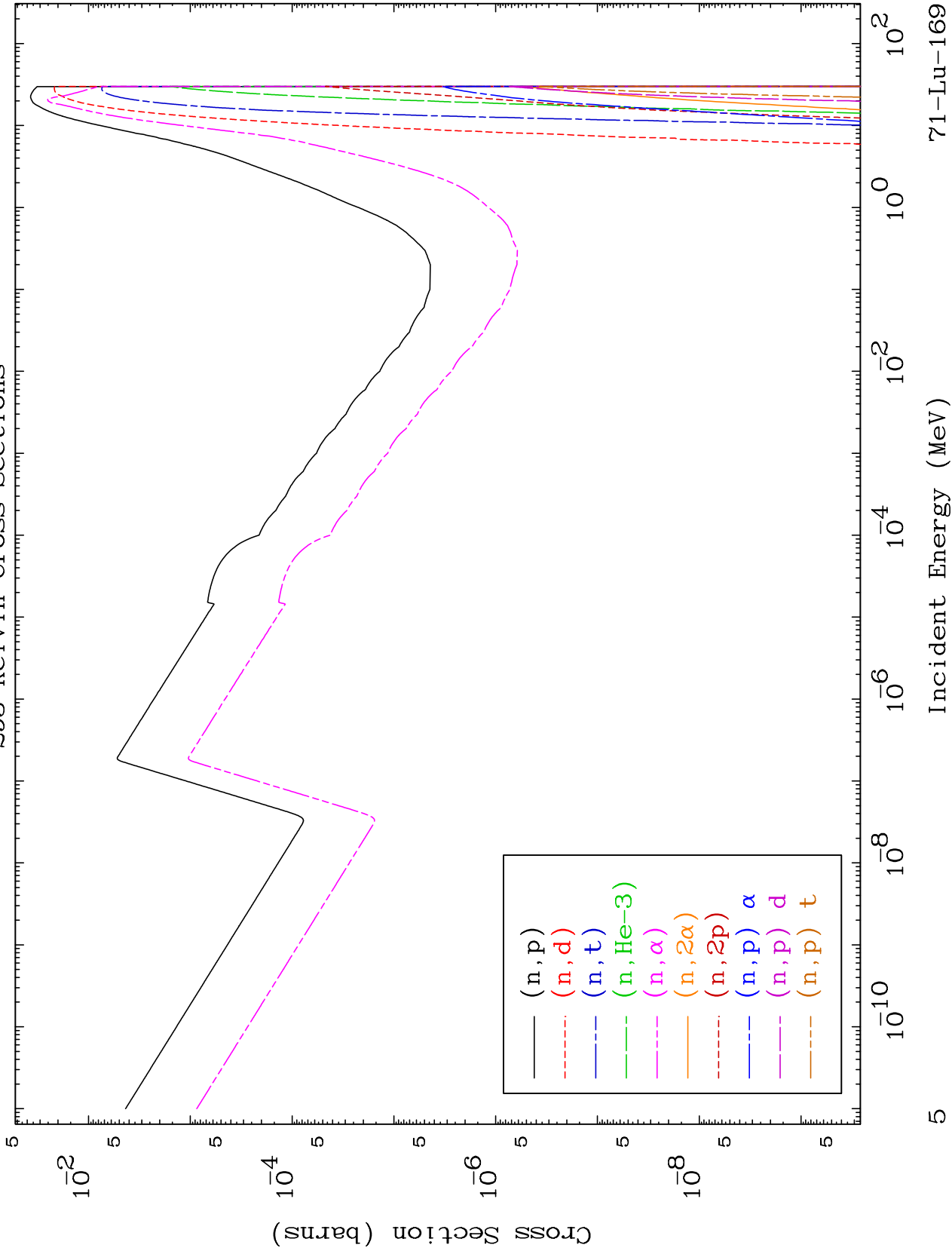


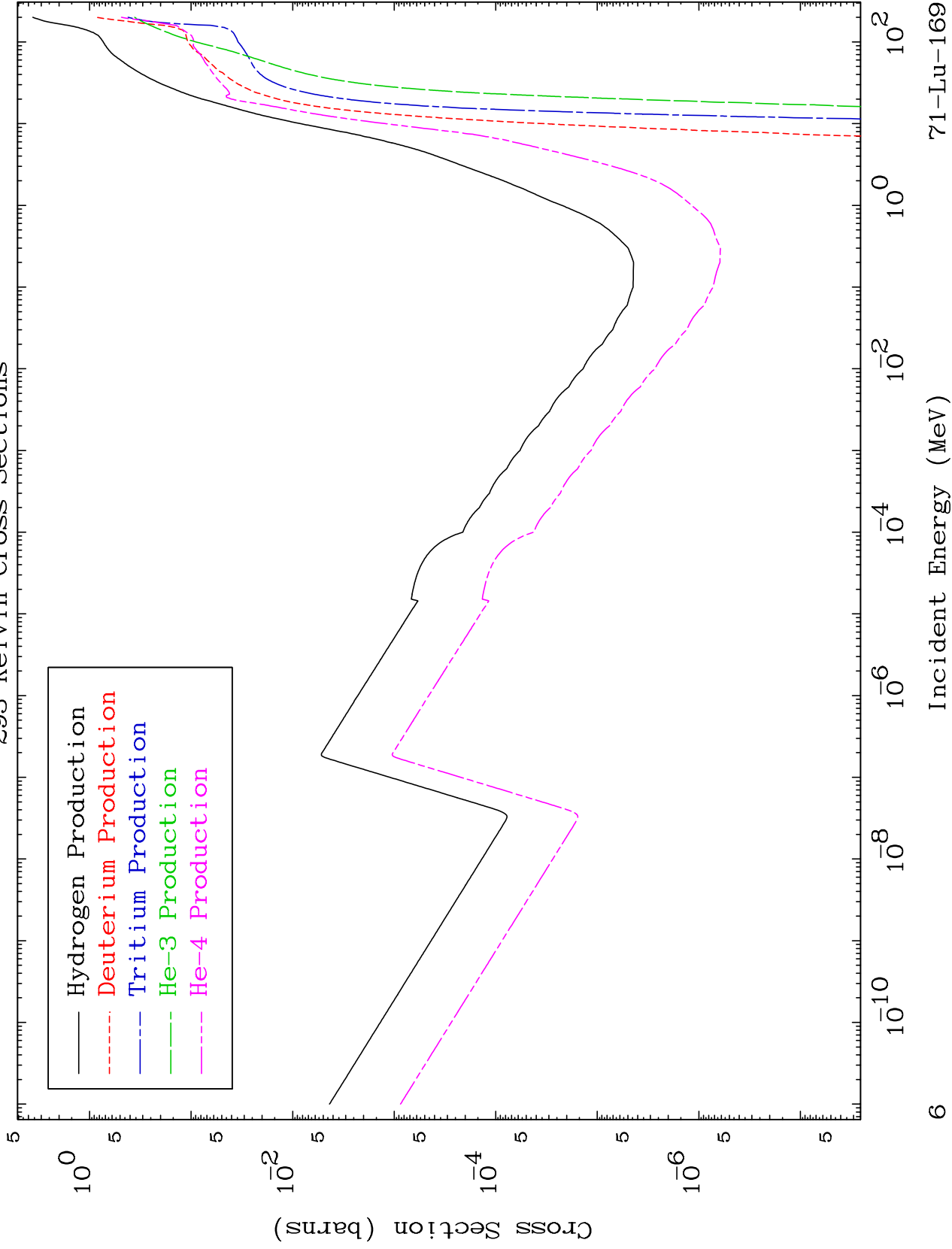
MAT 7107

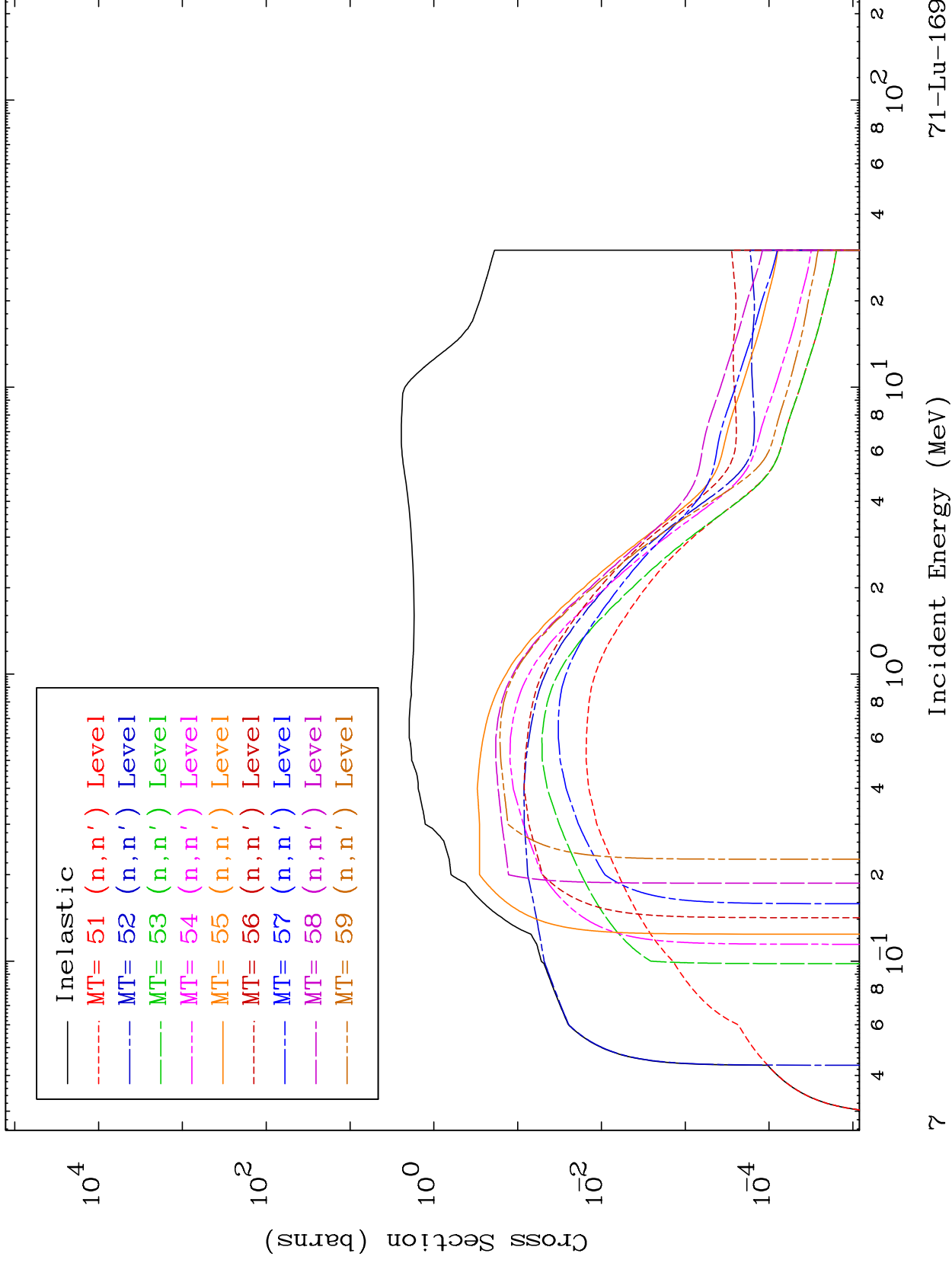
Charged Particle
293 Kelvin Cross Sections

71-Lu-169







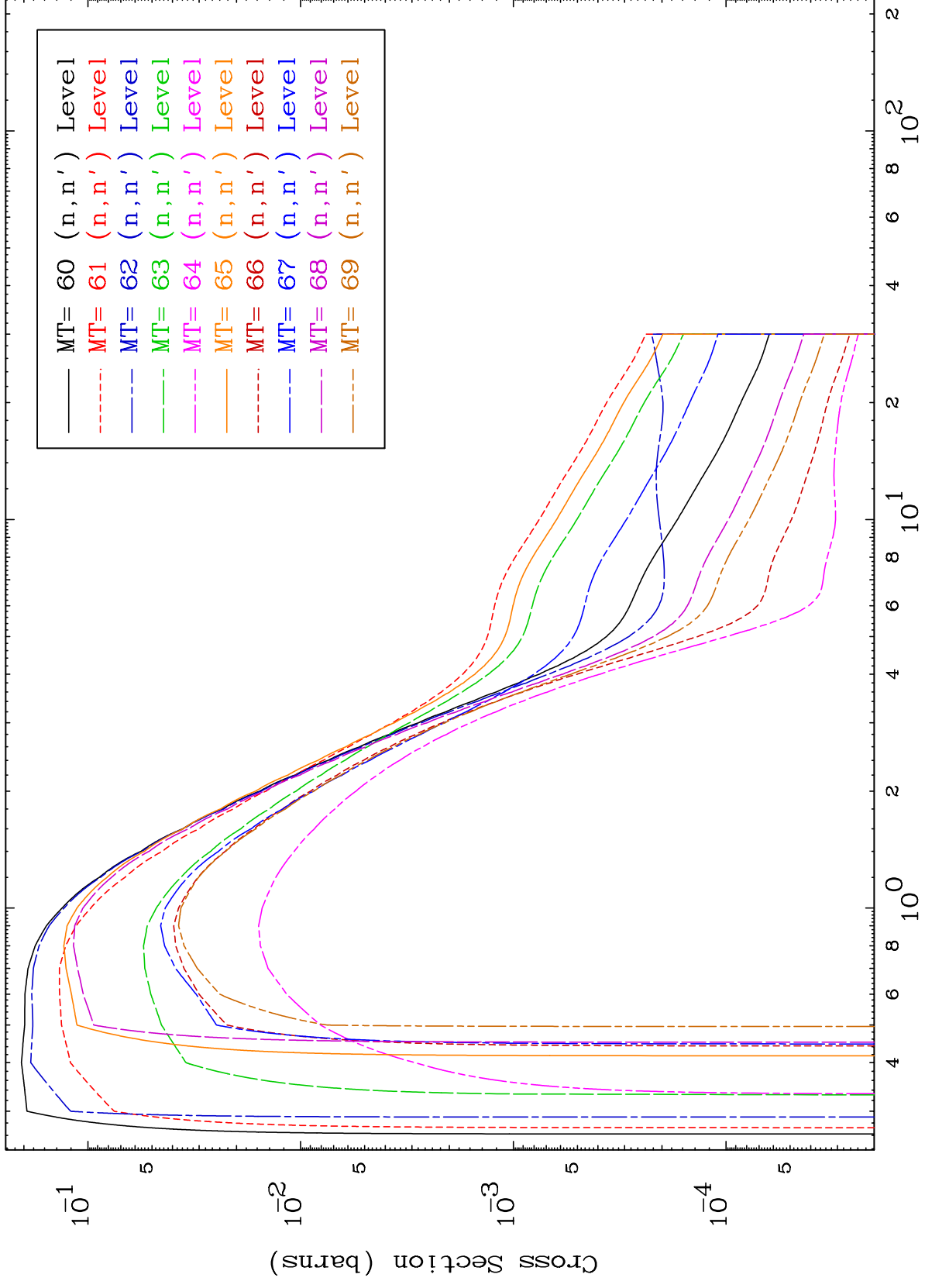


MAT 7107

(n,n') Level

71-Lu-169

293 Kelvin Cross Sections

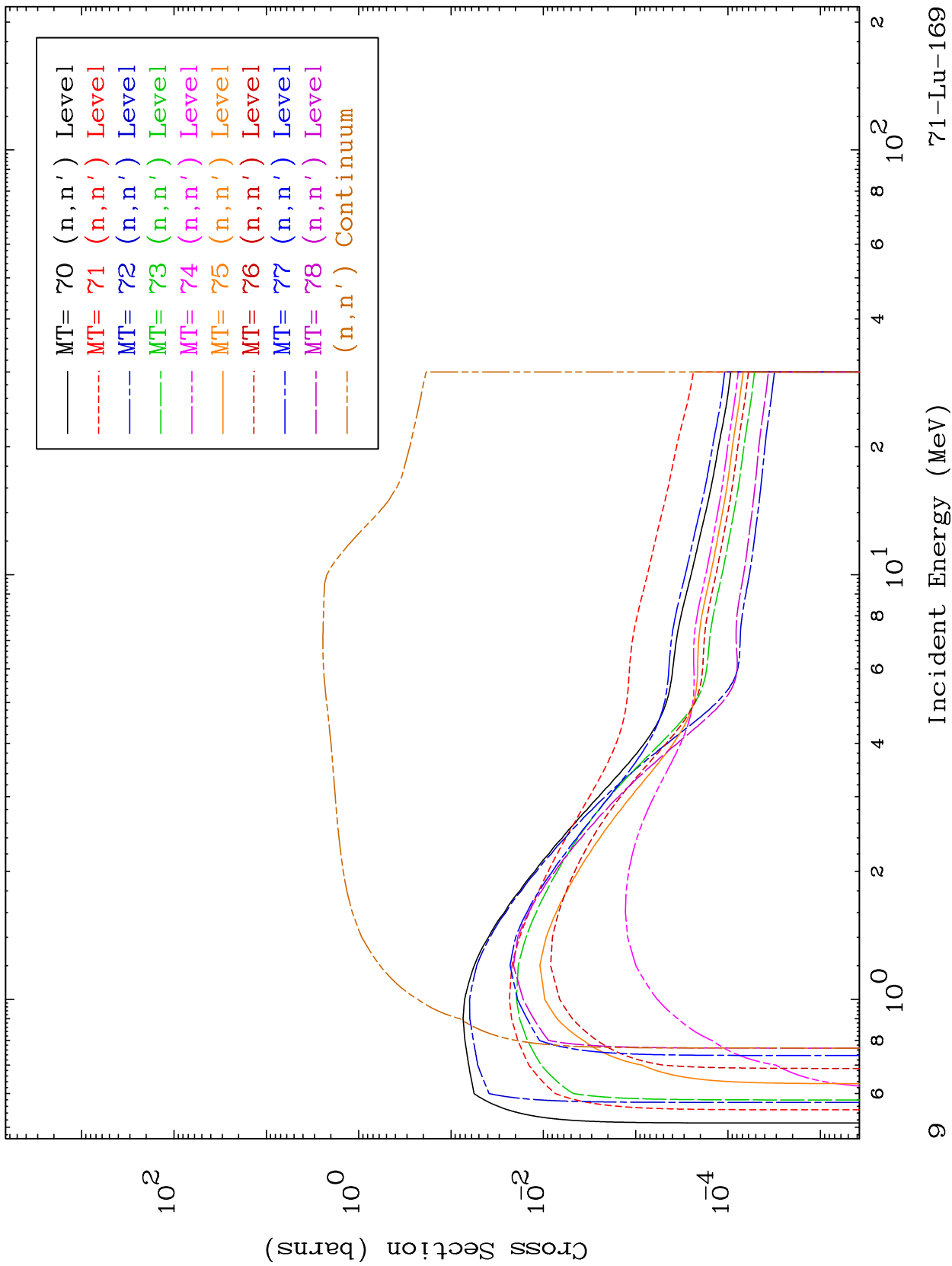


8

Incident Energy (MeV)

71-Lu-169

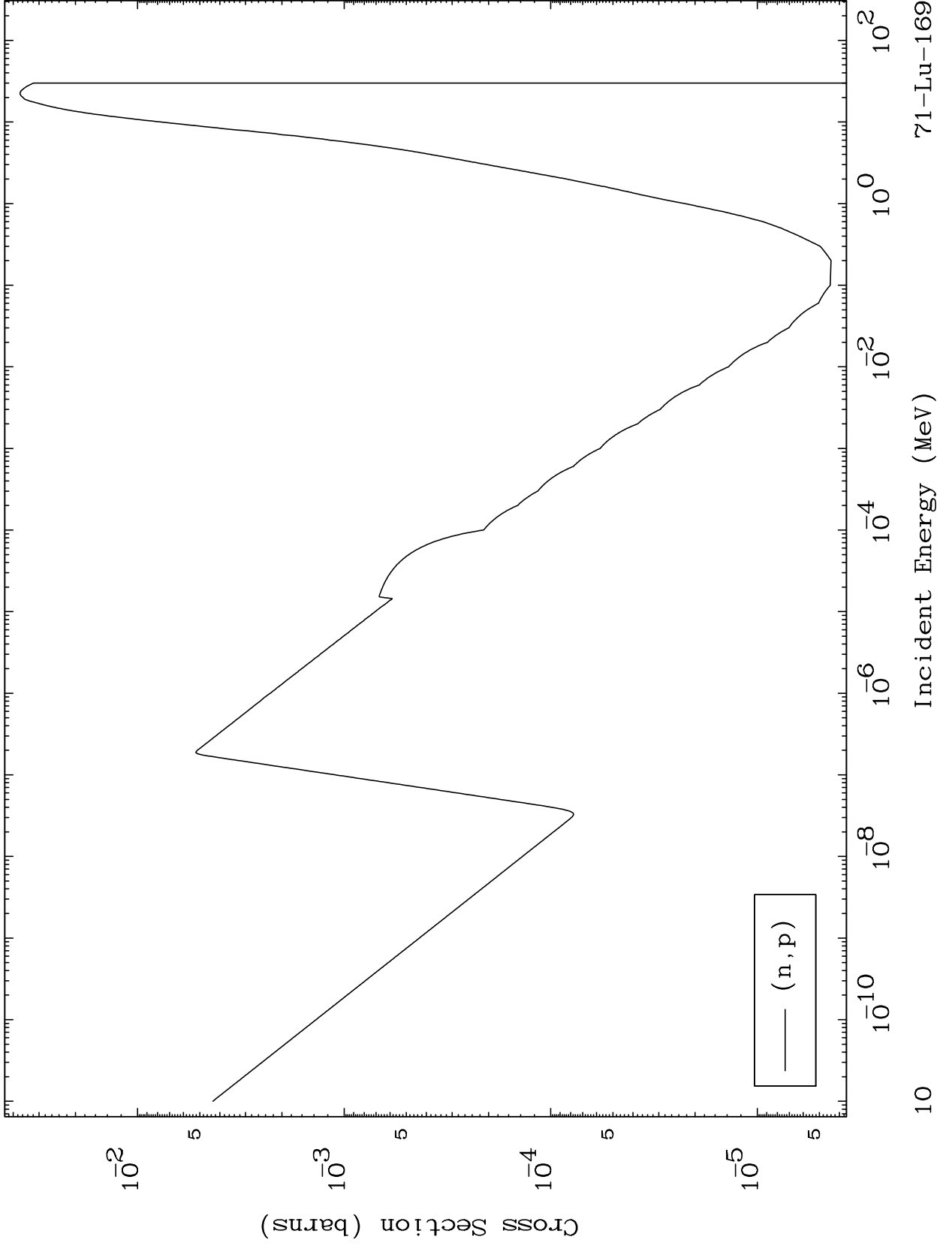
293 Kelvin Cross Sections



MAT 7107

(n,p) Levels
293 Kelvin Cross Sections

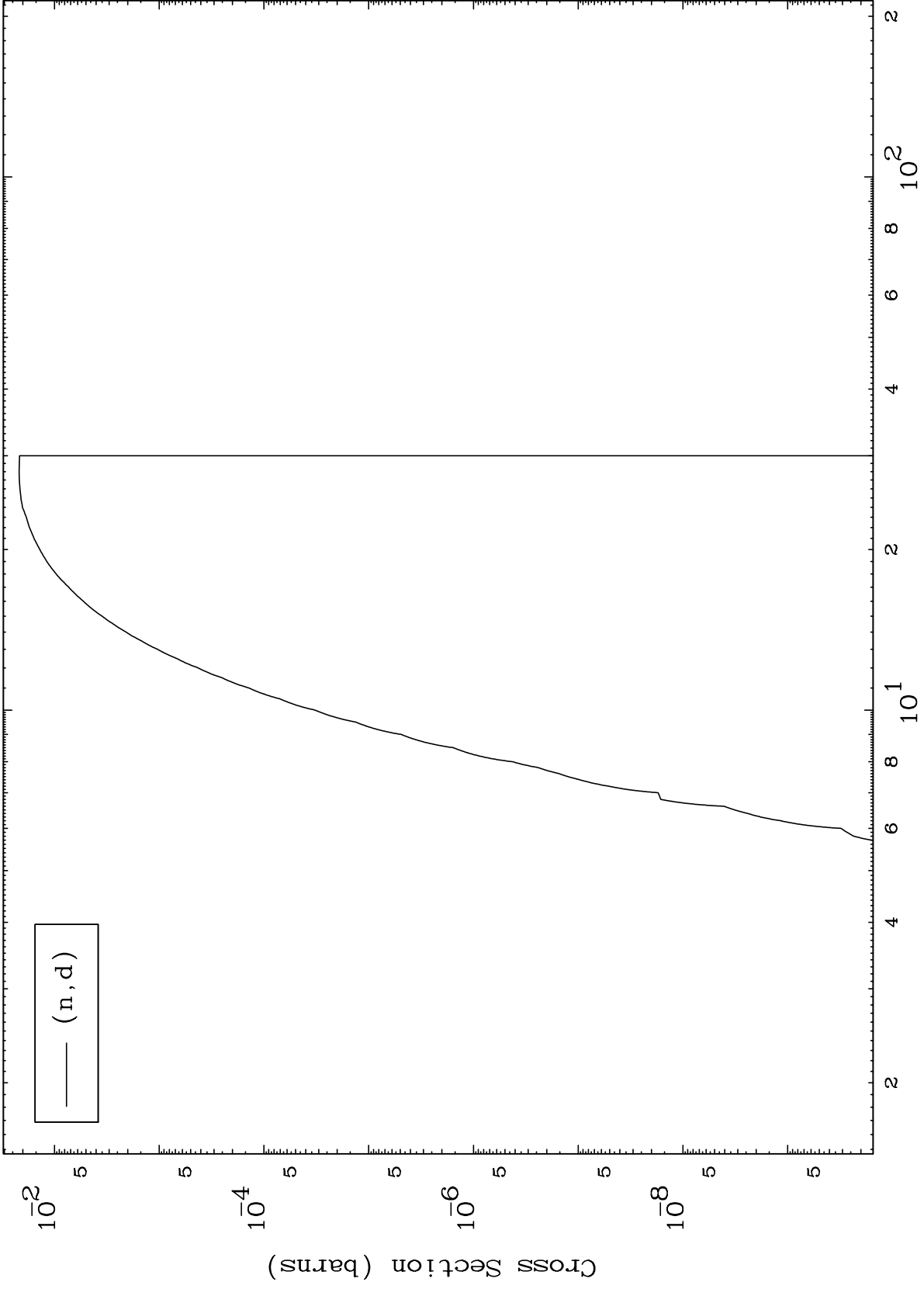
71-Lu-169

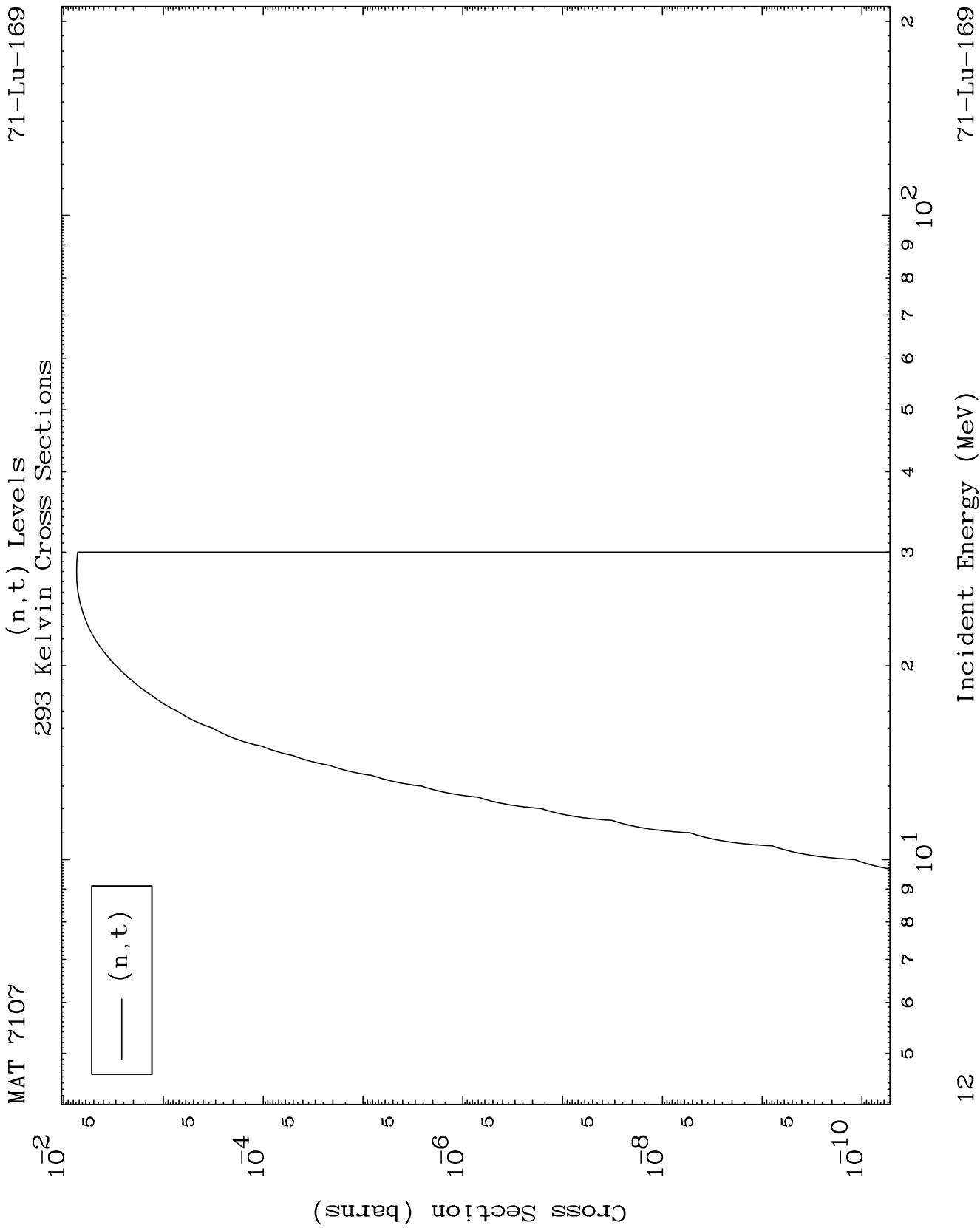


MAT 7107

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-169

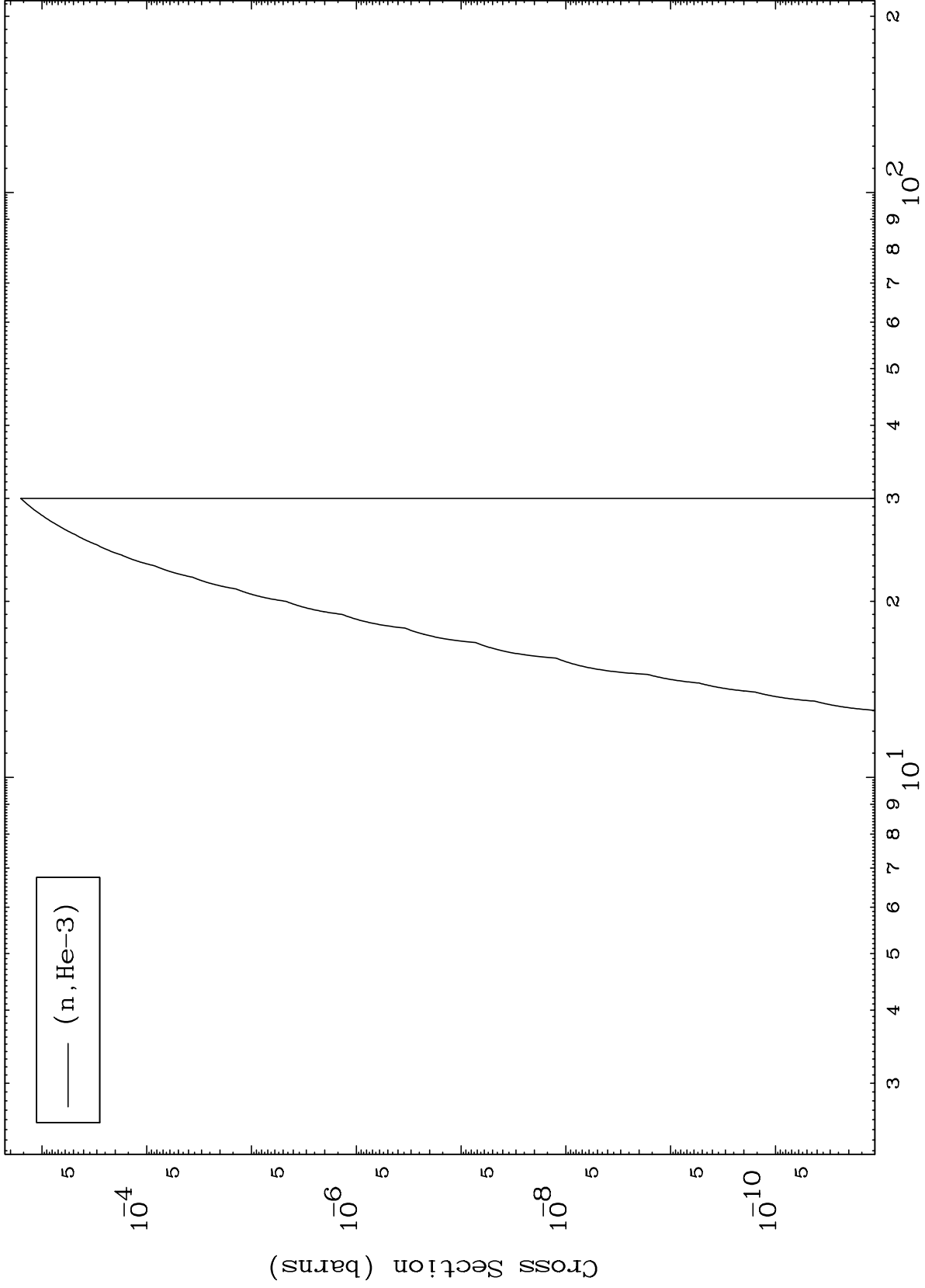




MAT 7107

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-169



13

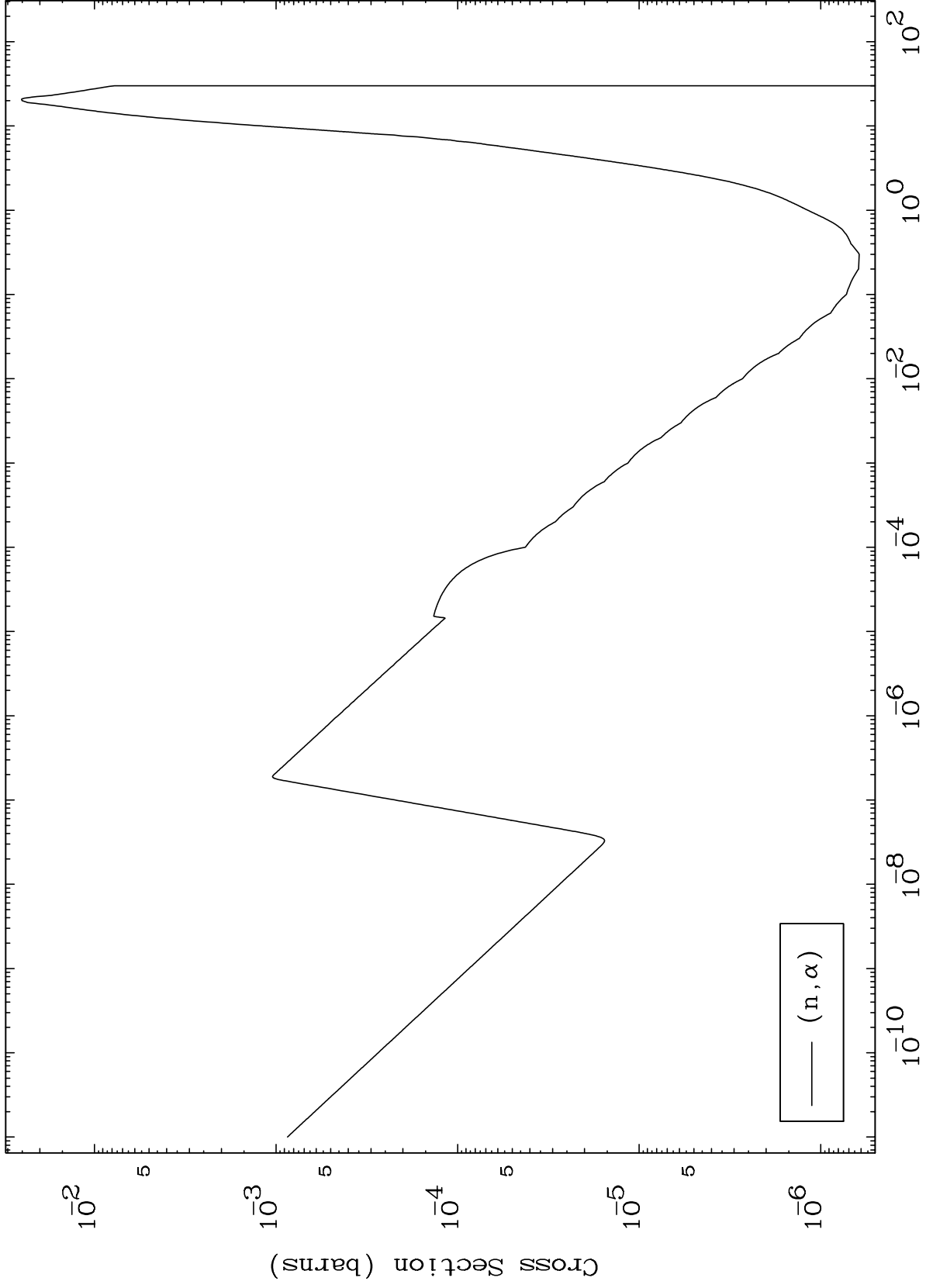
Incident Energy (MeV)

71-Lu-169

MAT 7107

(n, α) Levels
293 Kelvin Cross Sections

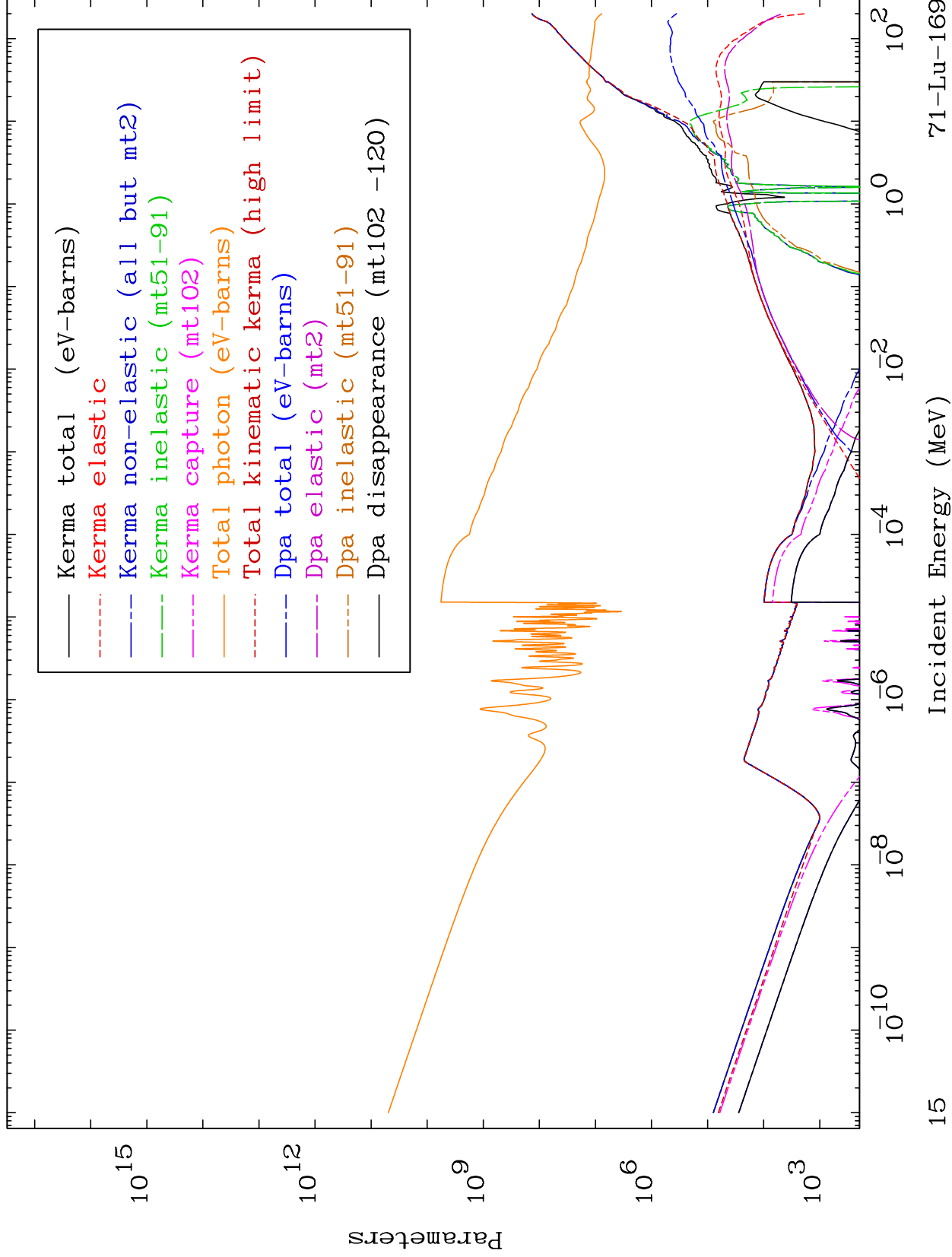
71-Lu-169



14

Incident Energy (MeV)

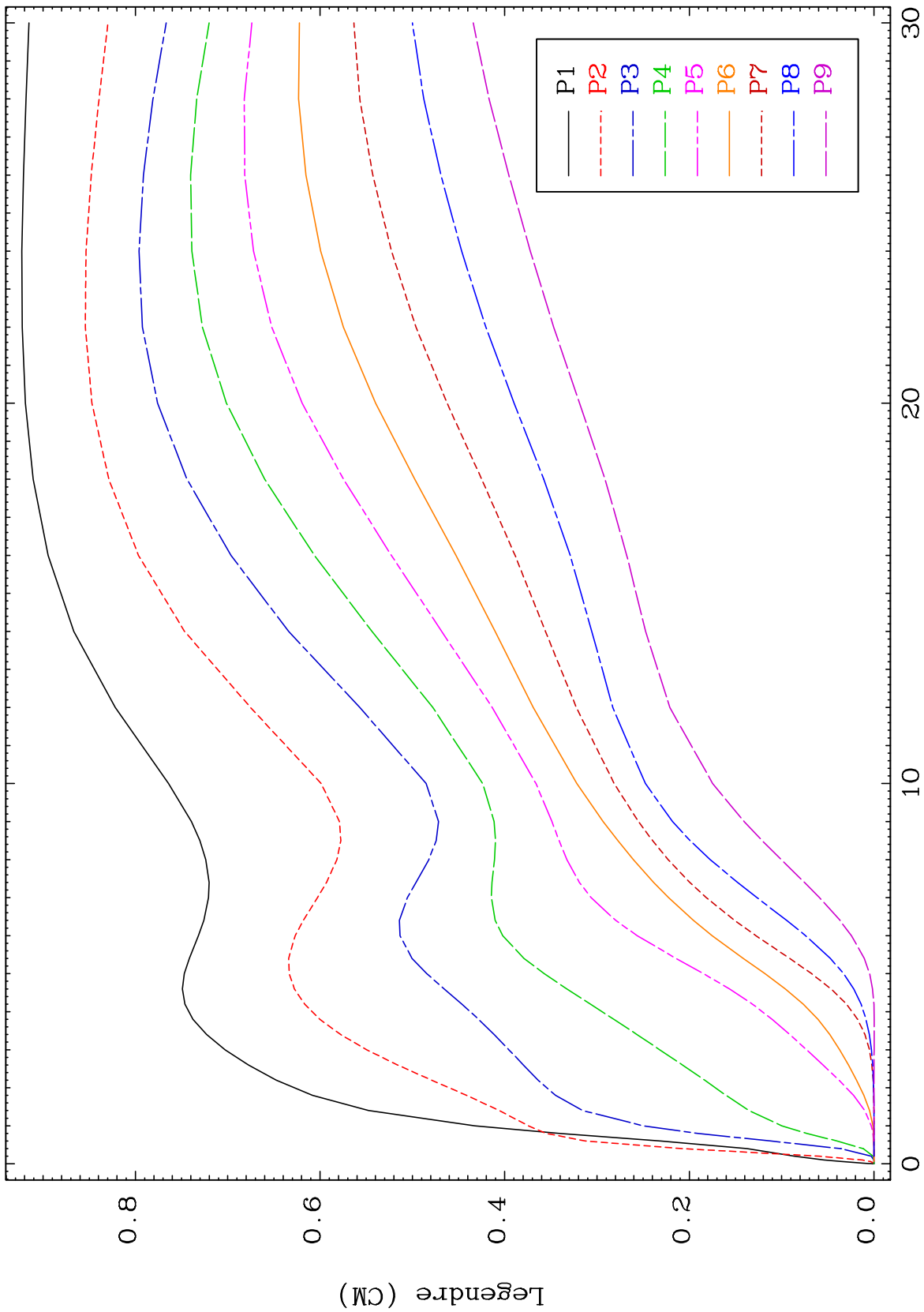
71-Lu-169



MAT 7107

71-Lu-169

Elastic Legendre Coefficients



16

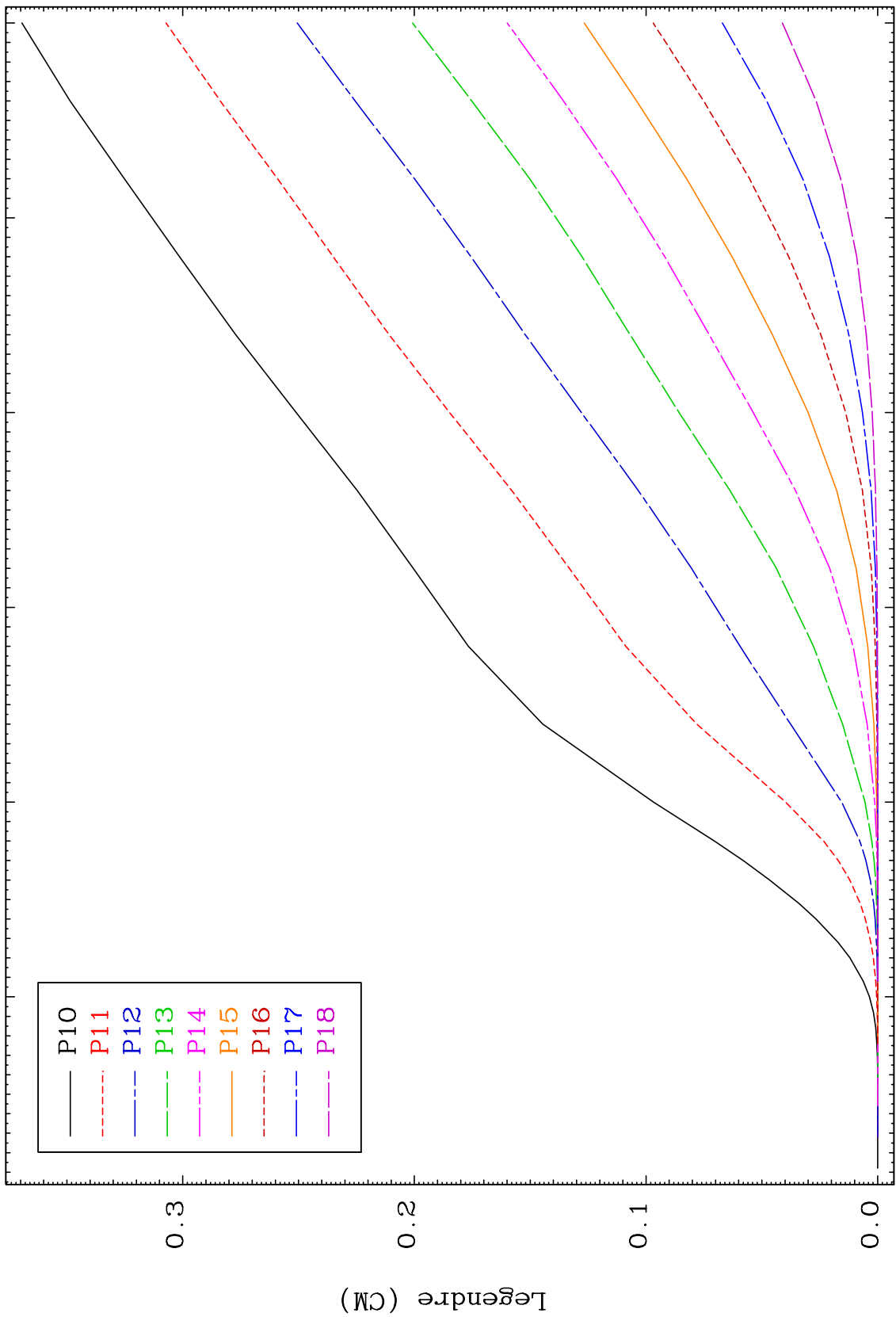
Incident Energy (MeV)

71-Lu-169

MAT 7107

Elastic Legendre Coefficients

⁷¹Lu-169



17

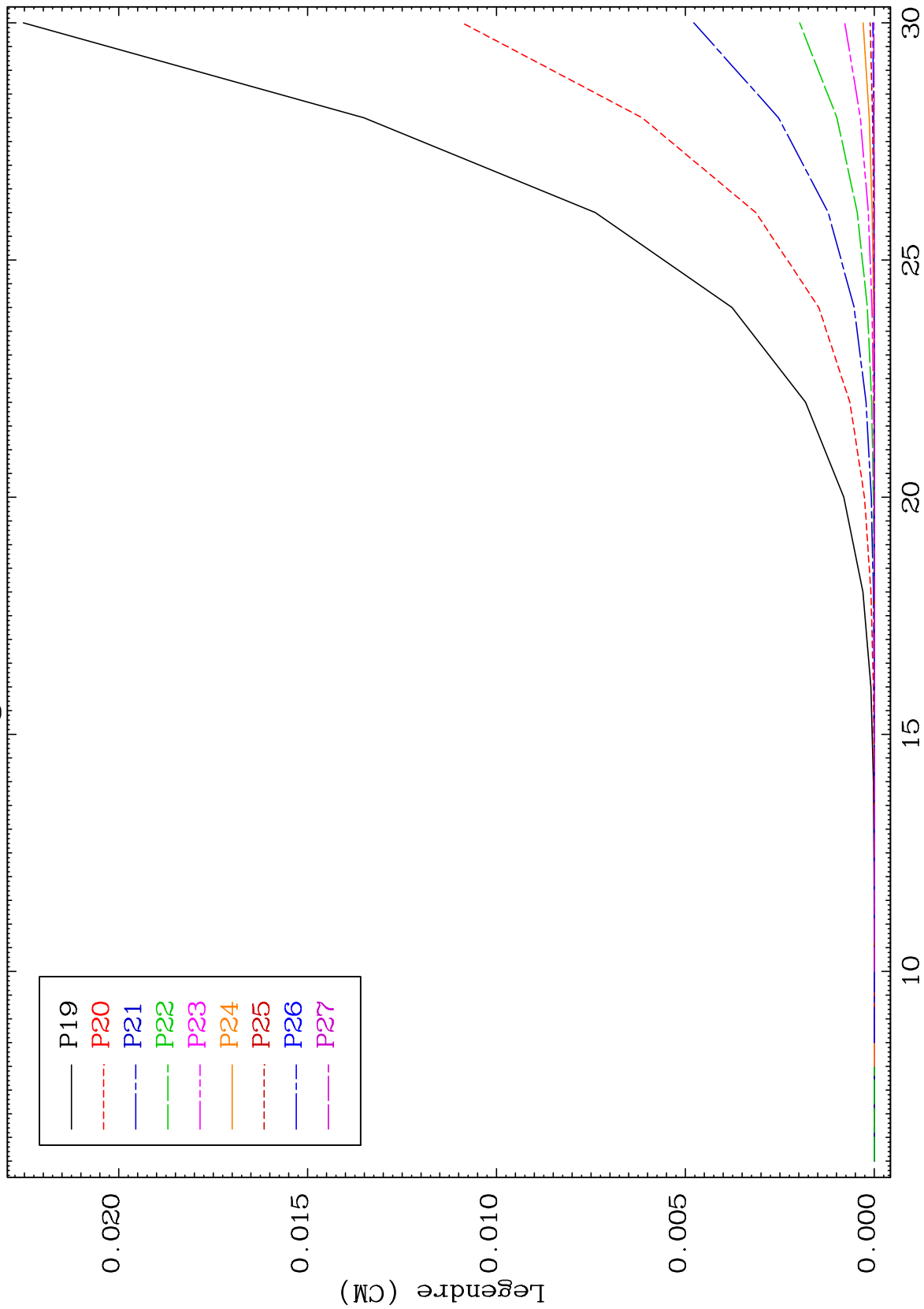
Incident Energy (MeV)

⁷¹Lu-169

MAT 7107

Elastic Legendre Coefficients

71-Lu-169



18

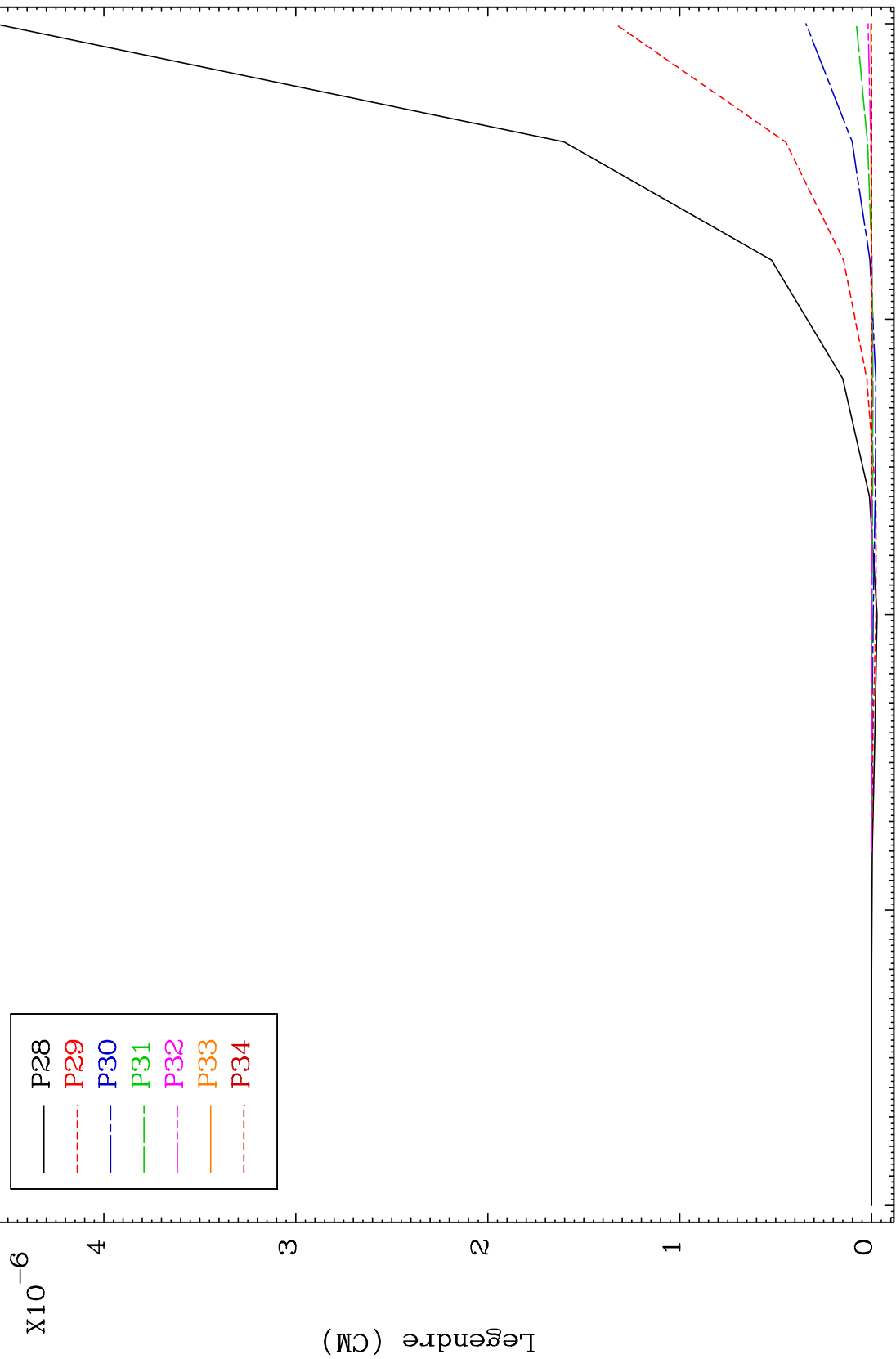
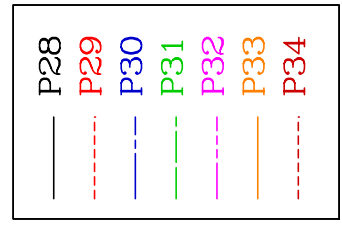
Incident Energy (MeV)

71-Lu-169

MAT 7107

Elastic Legendre Coefficients

71-Lu-169



10

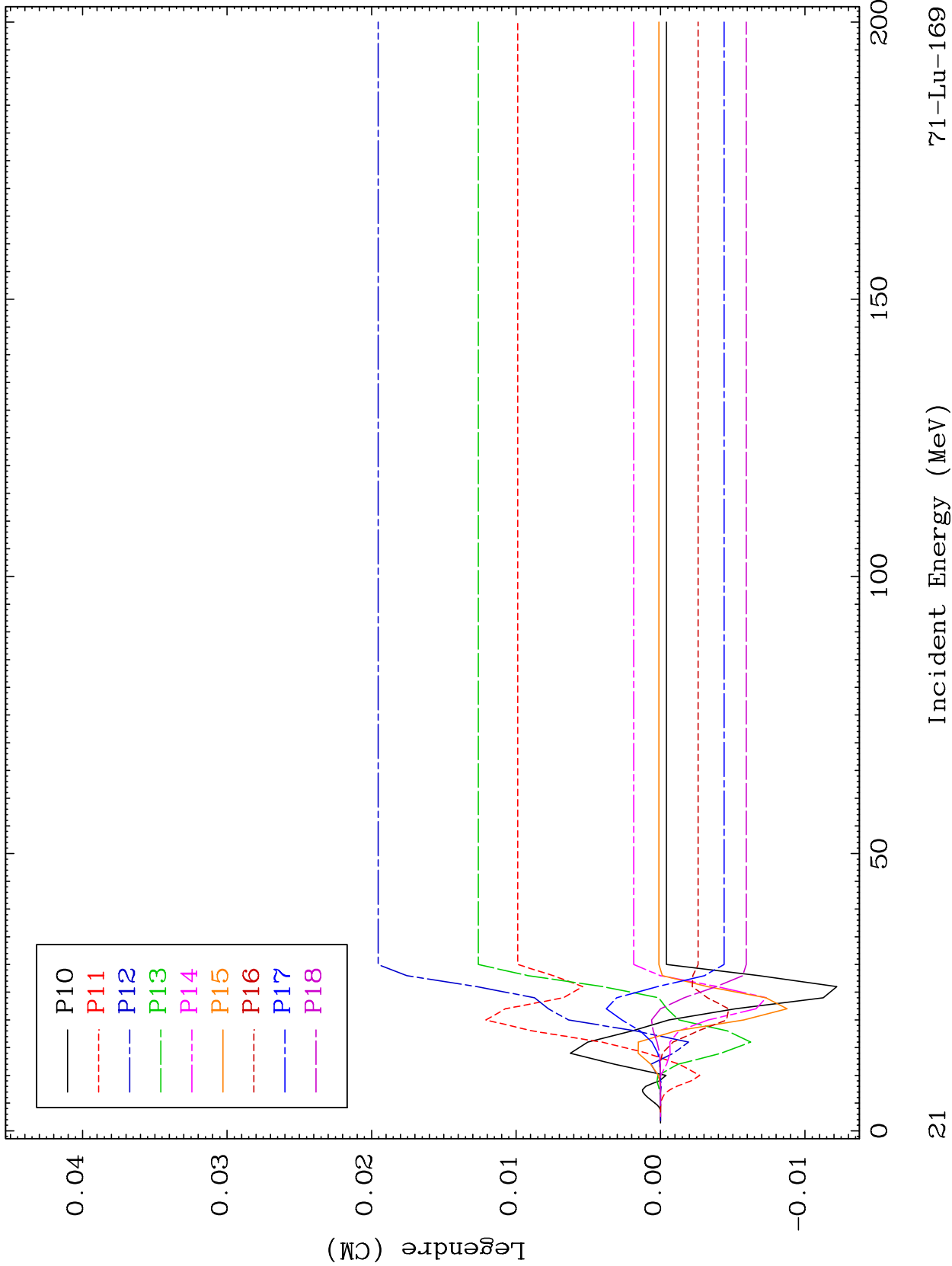
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



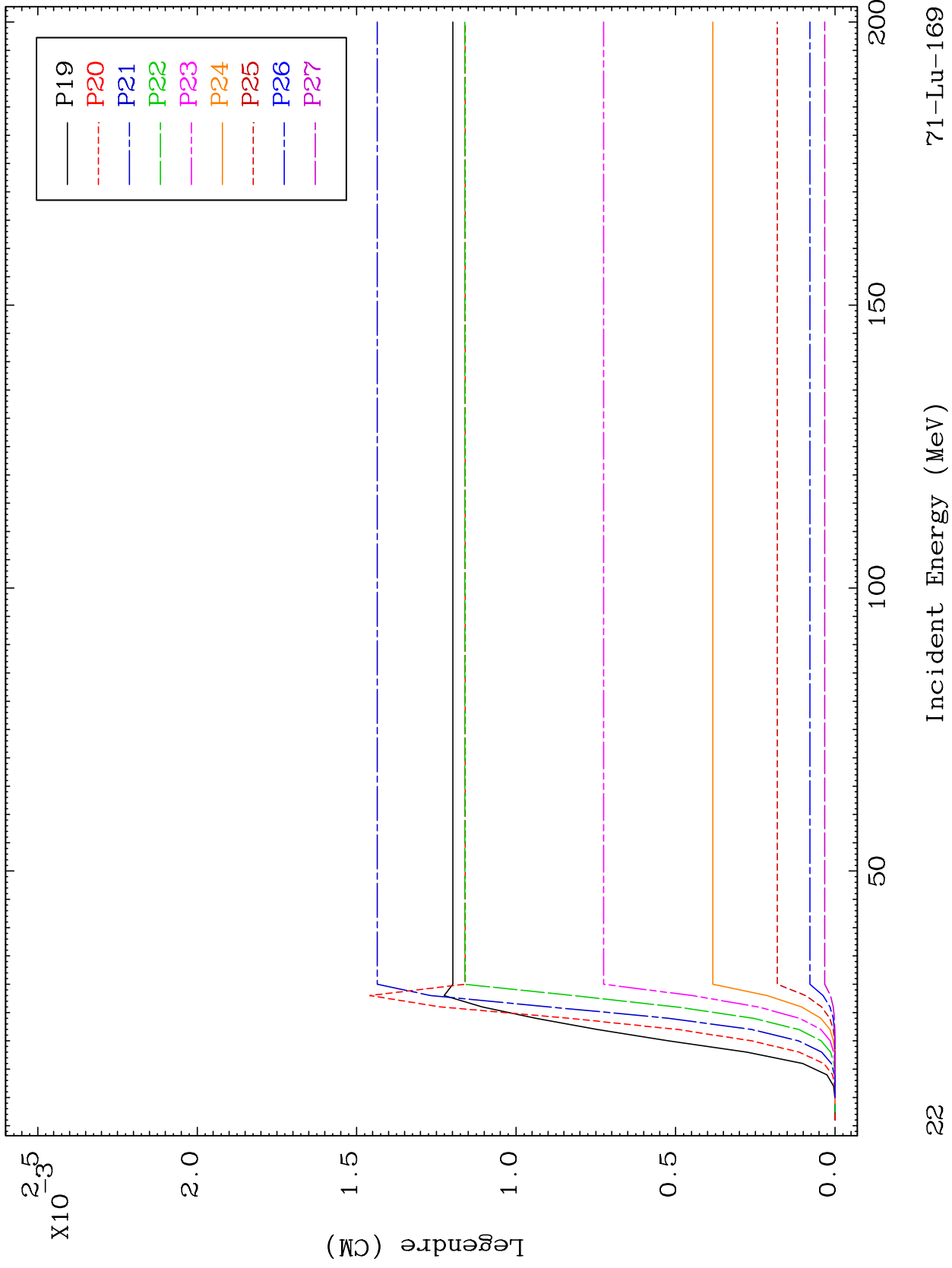
21

71-Lu-169

MAT 7107

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

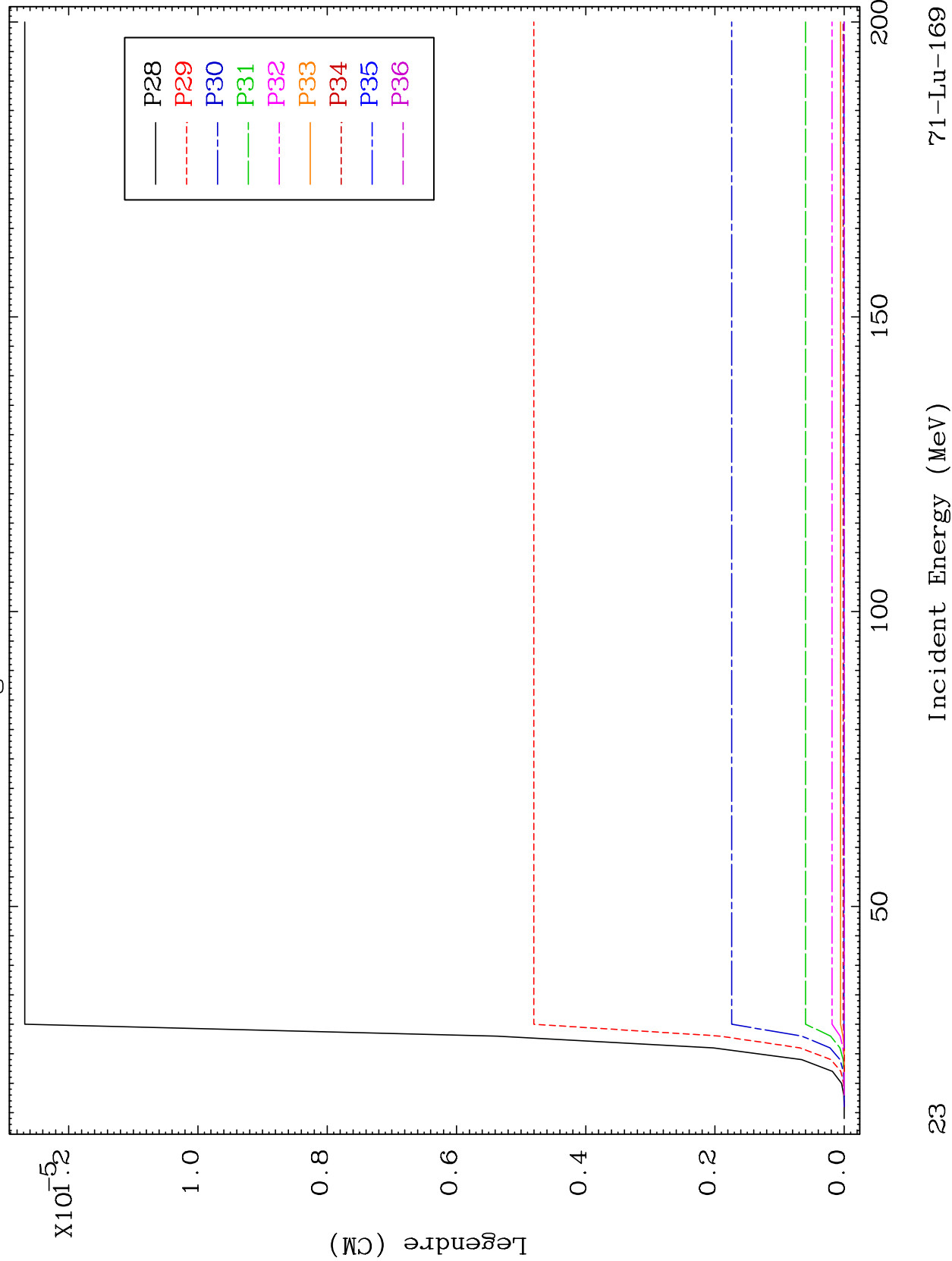
71-Lu-169



22

Incident Energy (MeV)

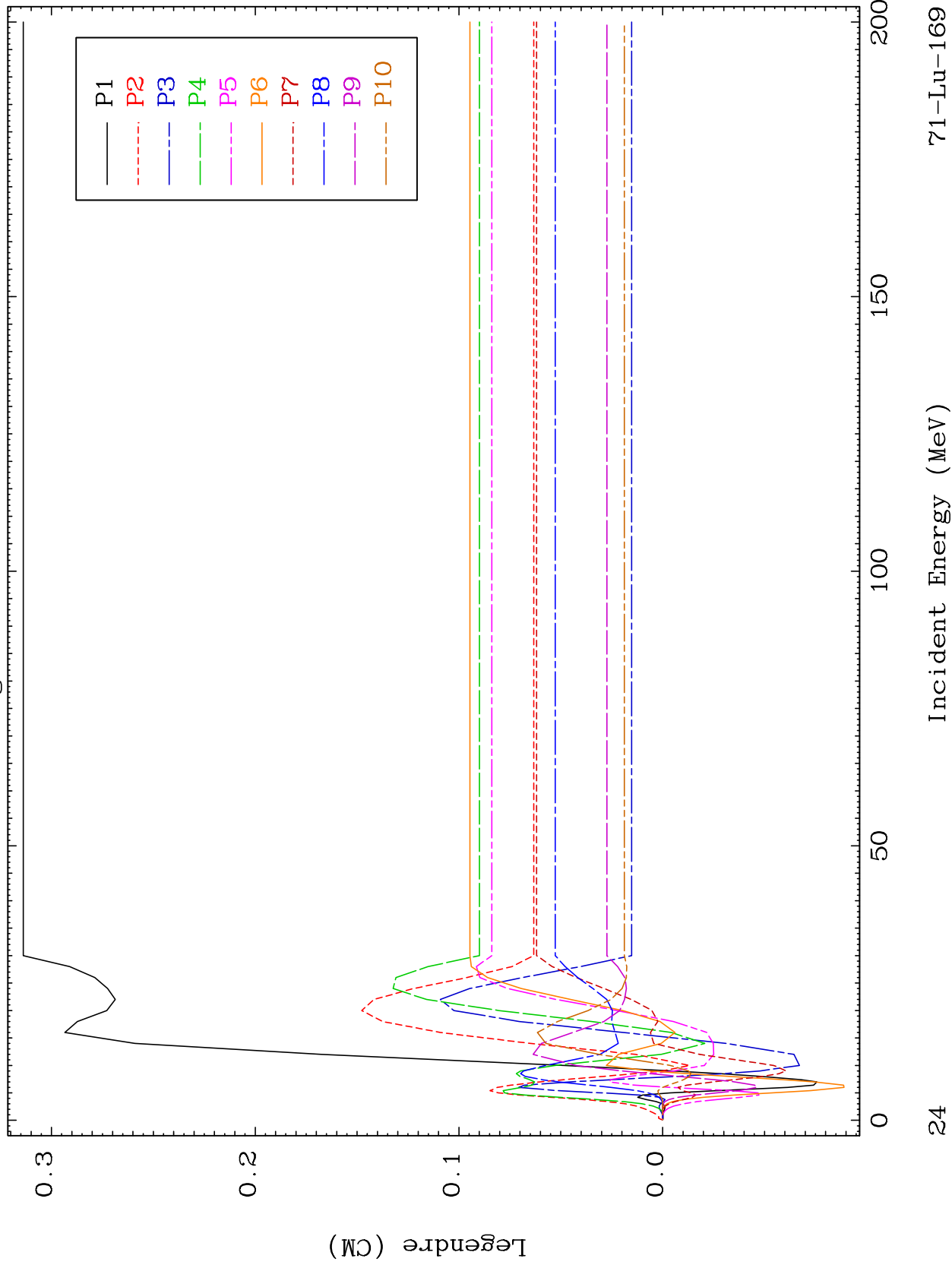
71-Lu-169



MAT 7107

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

71-Lu-169



71-Lu-169

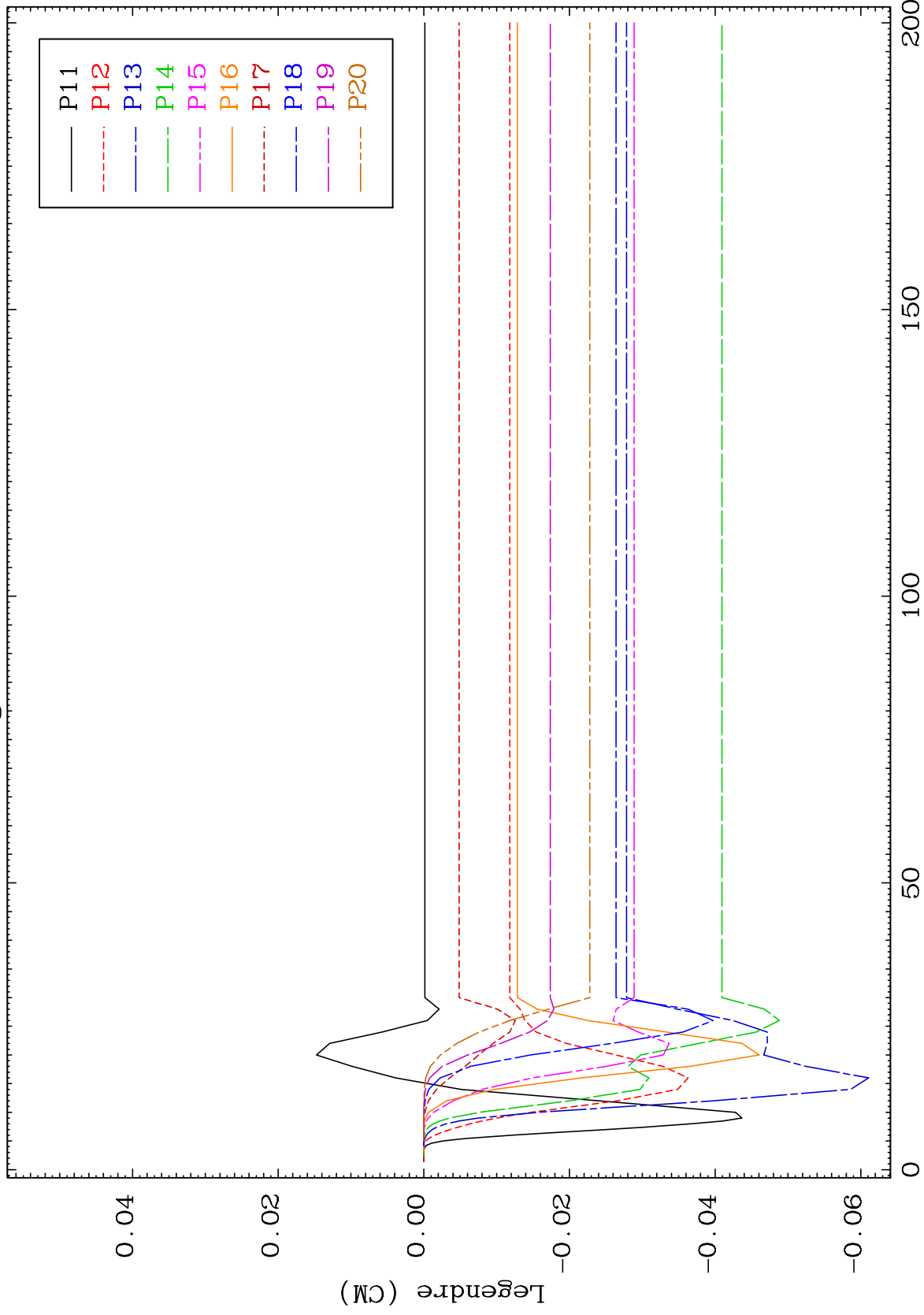
Incident Energy (MeV)

24

MAT 7107

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

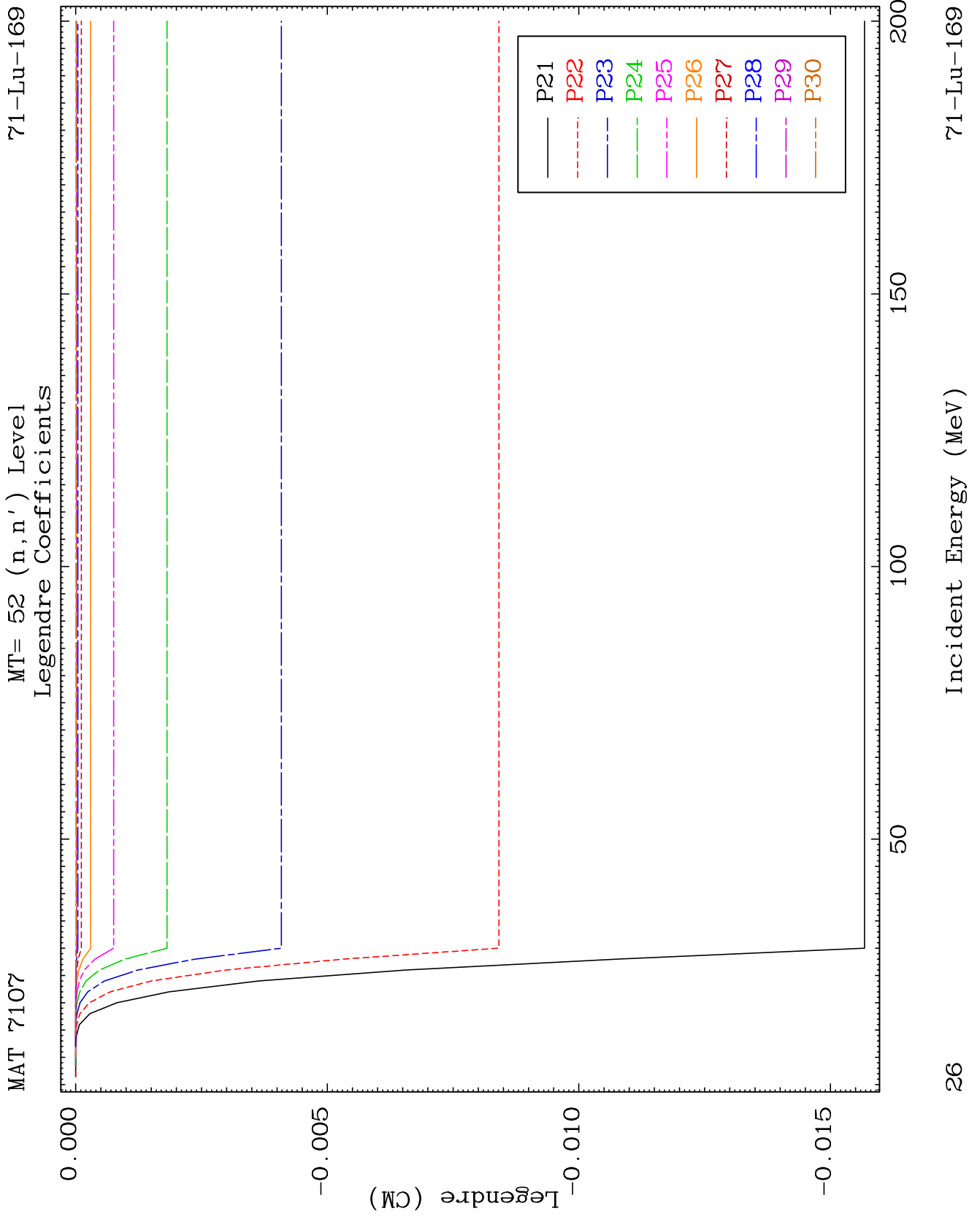
71-Lu-169

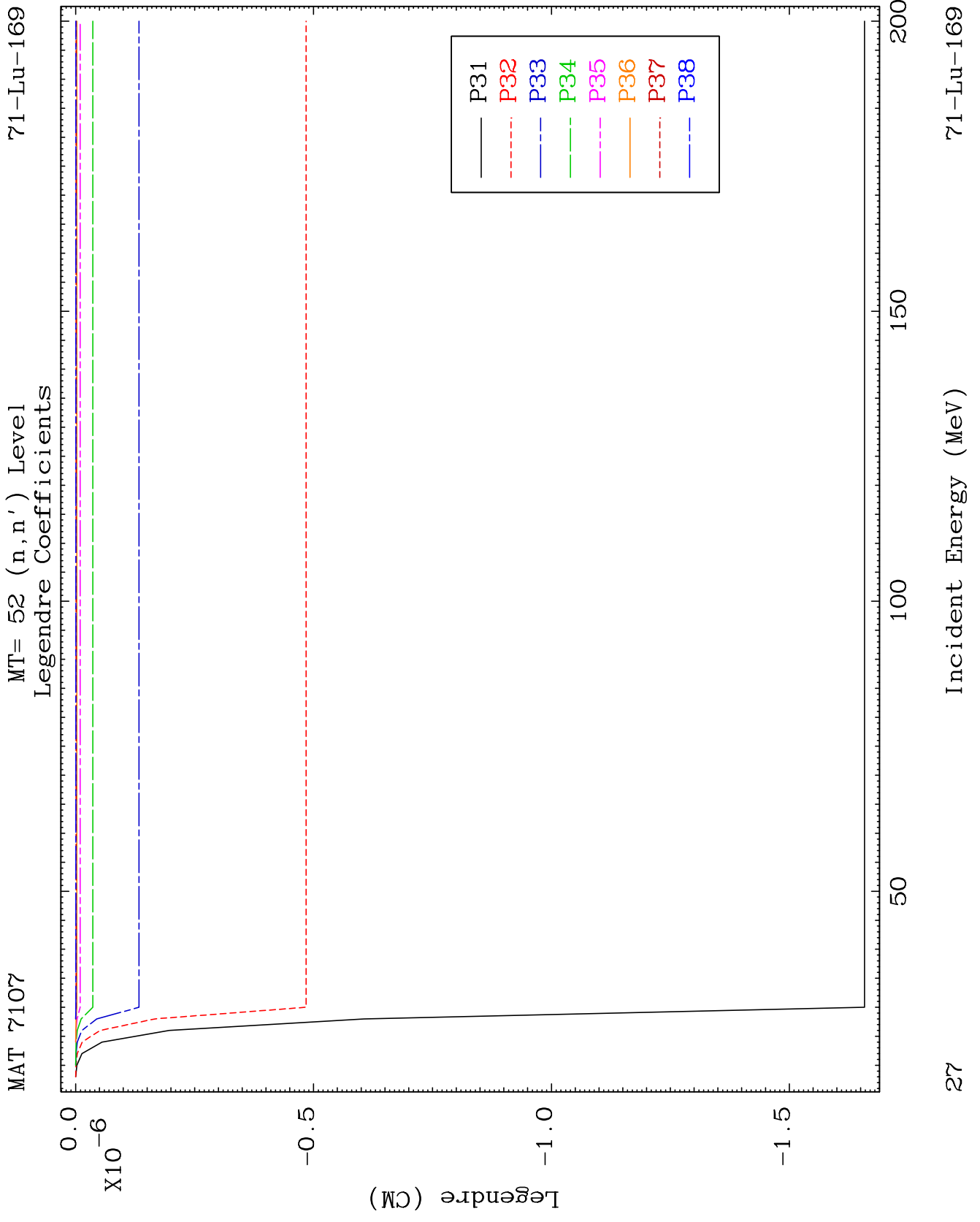


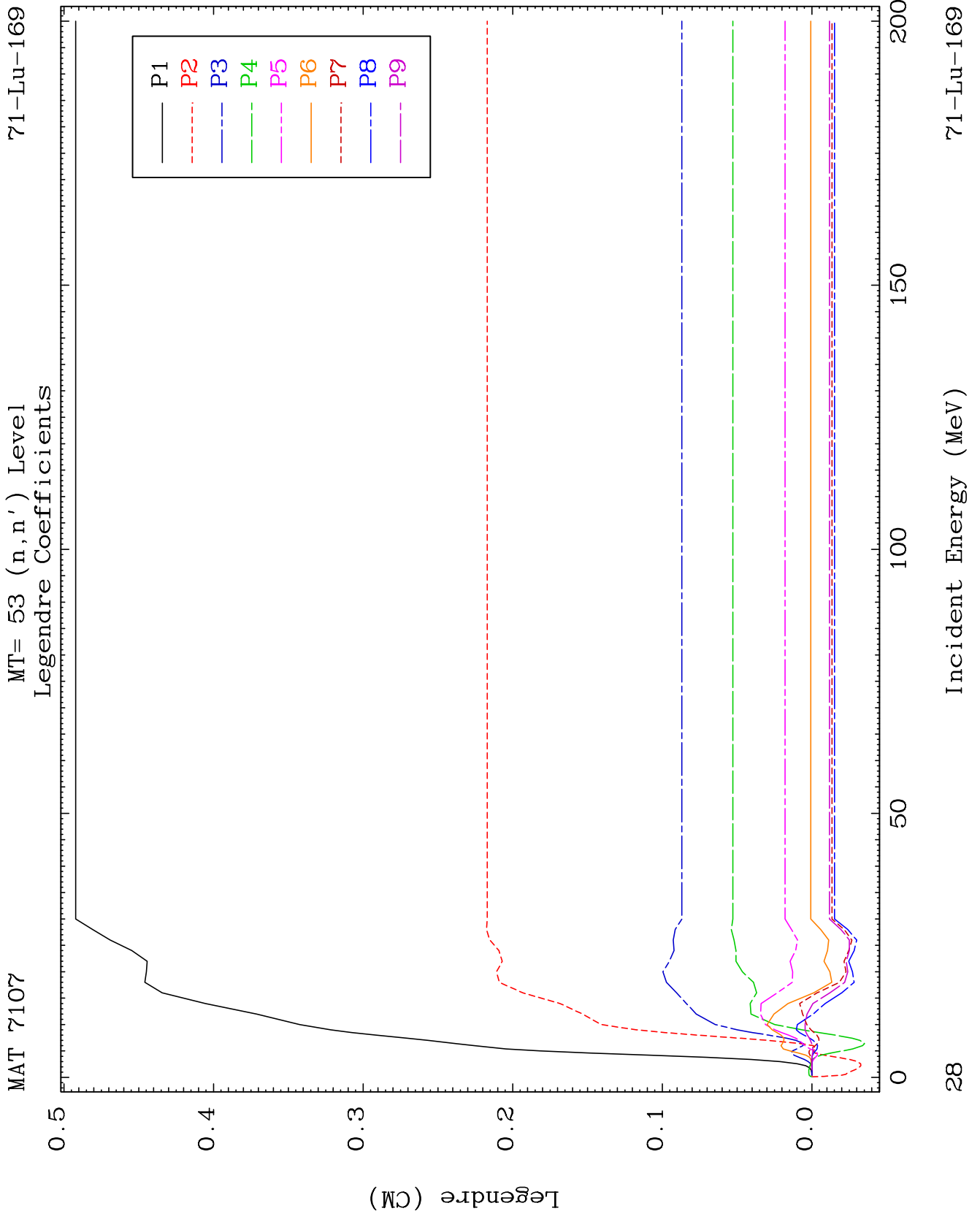
25

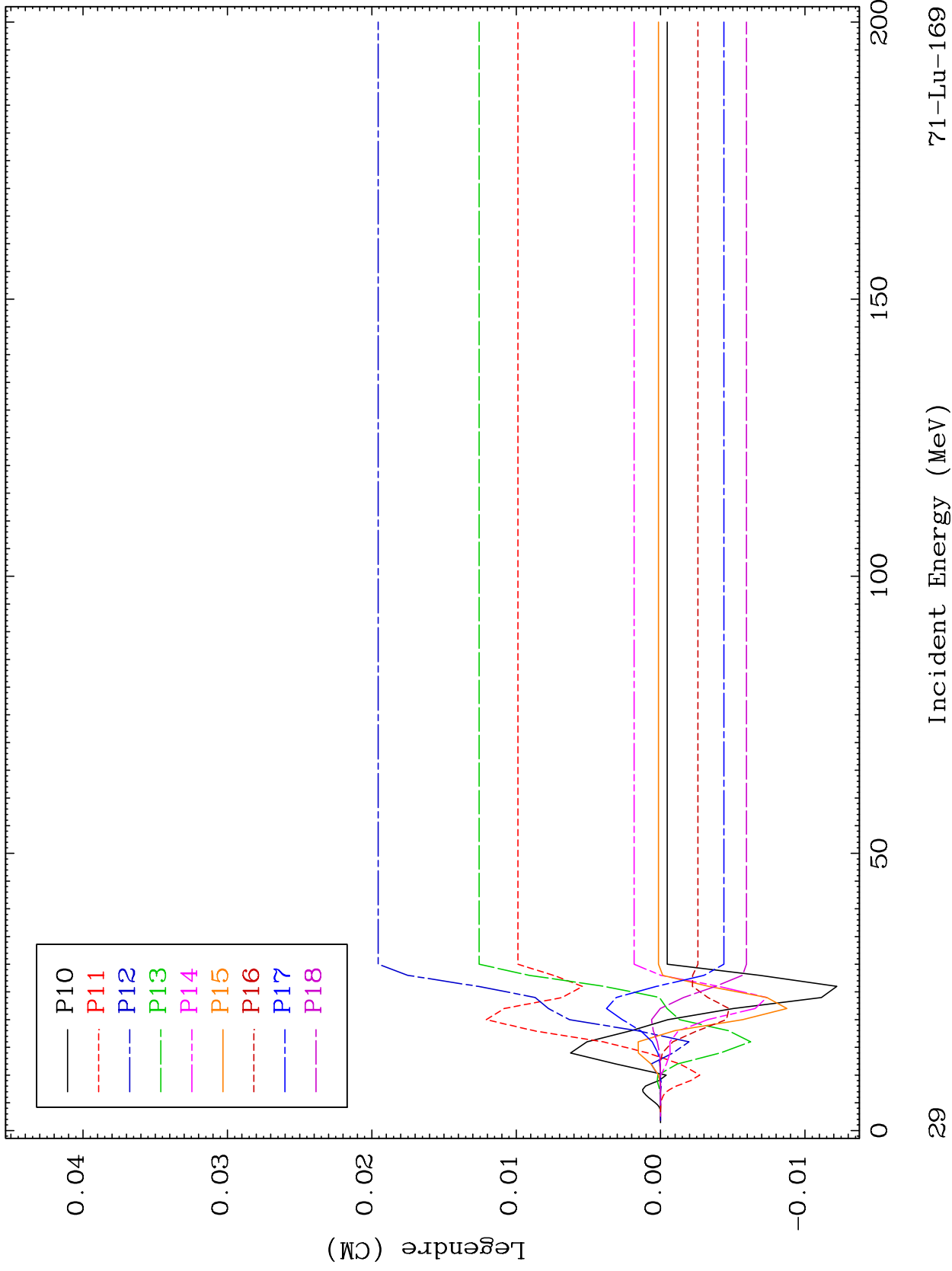
Incident Energy (MeV)

71-Lu-169





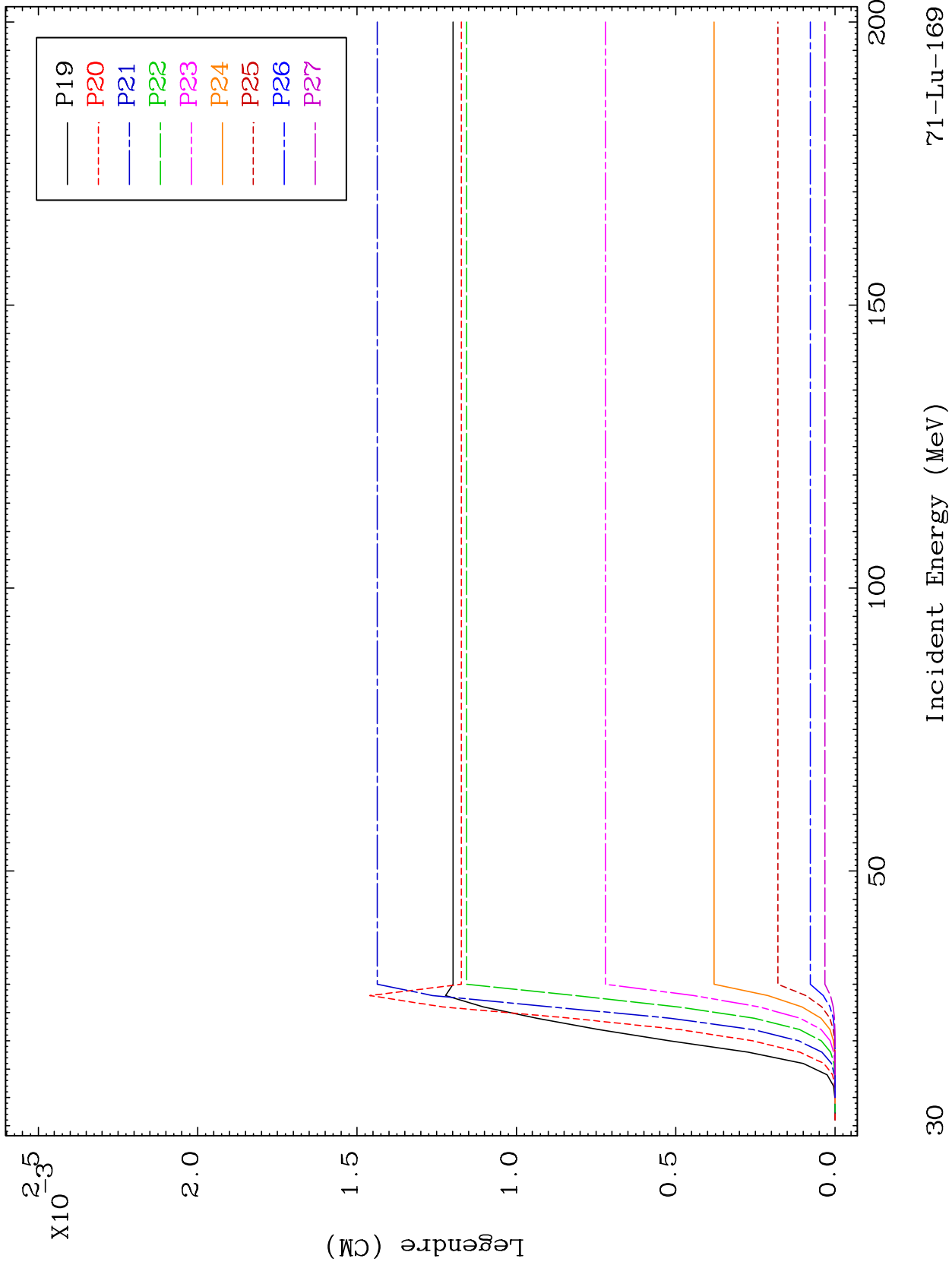




MAT 7107

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

71-Lu-169



71-Lu-169

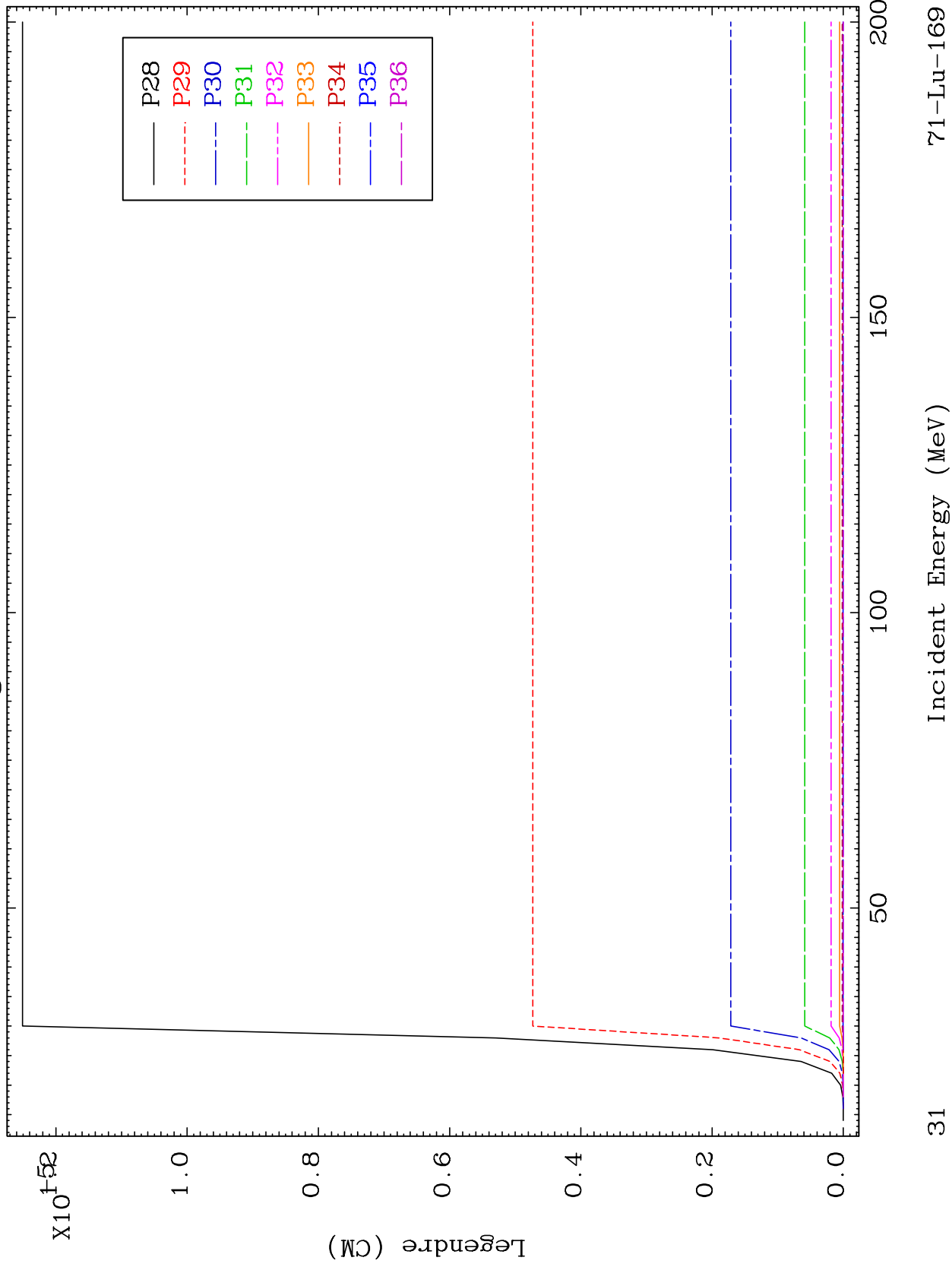
Incident Energy (MeV)

30

MAT 7107

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

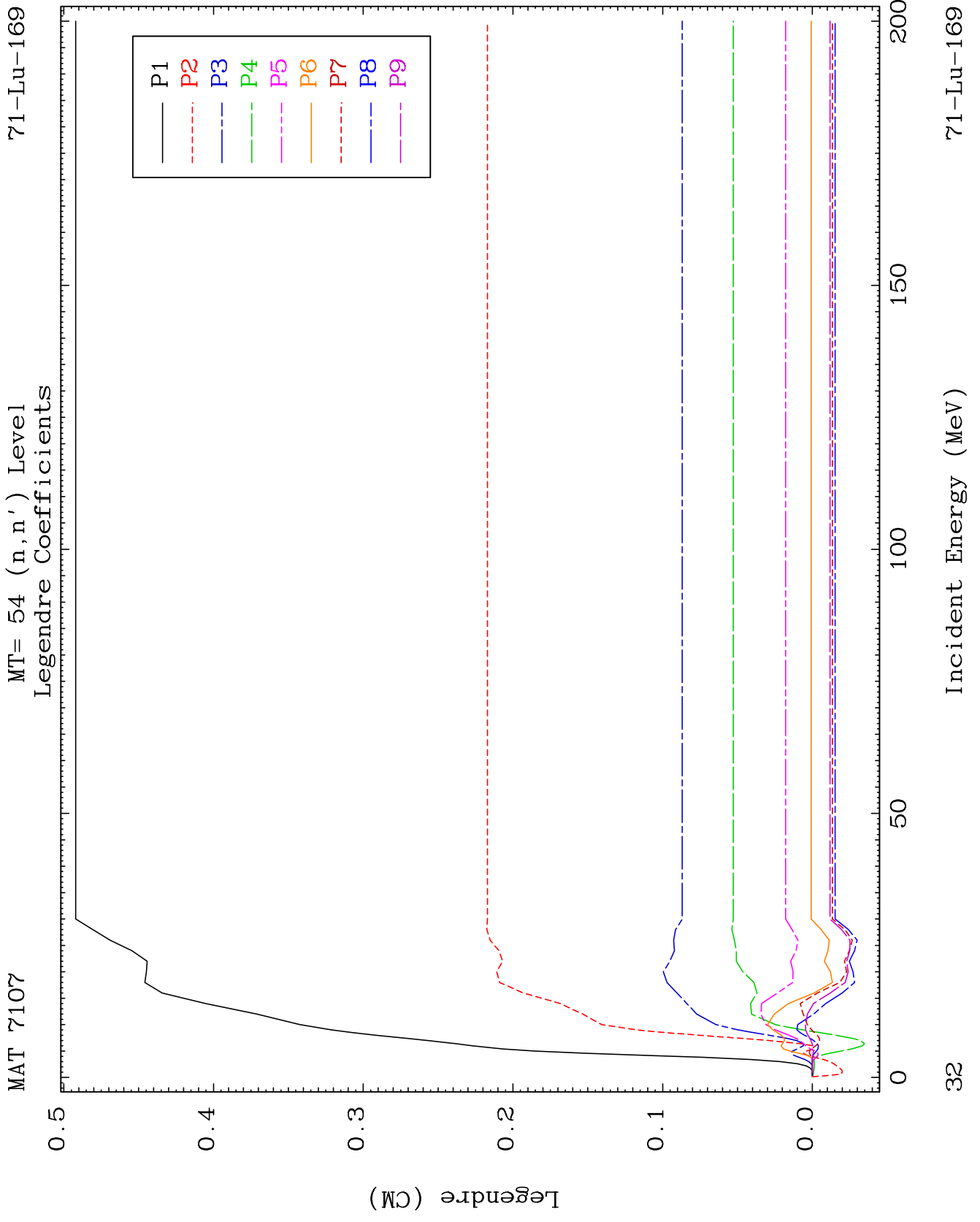
71-Lu-169

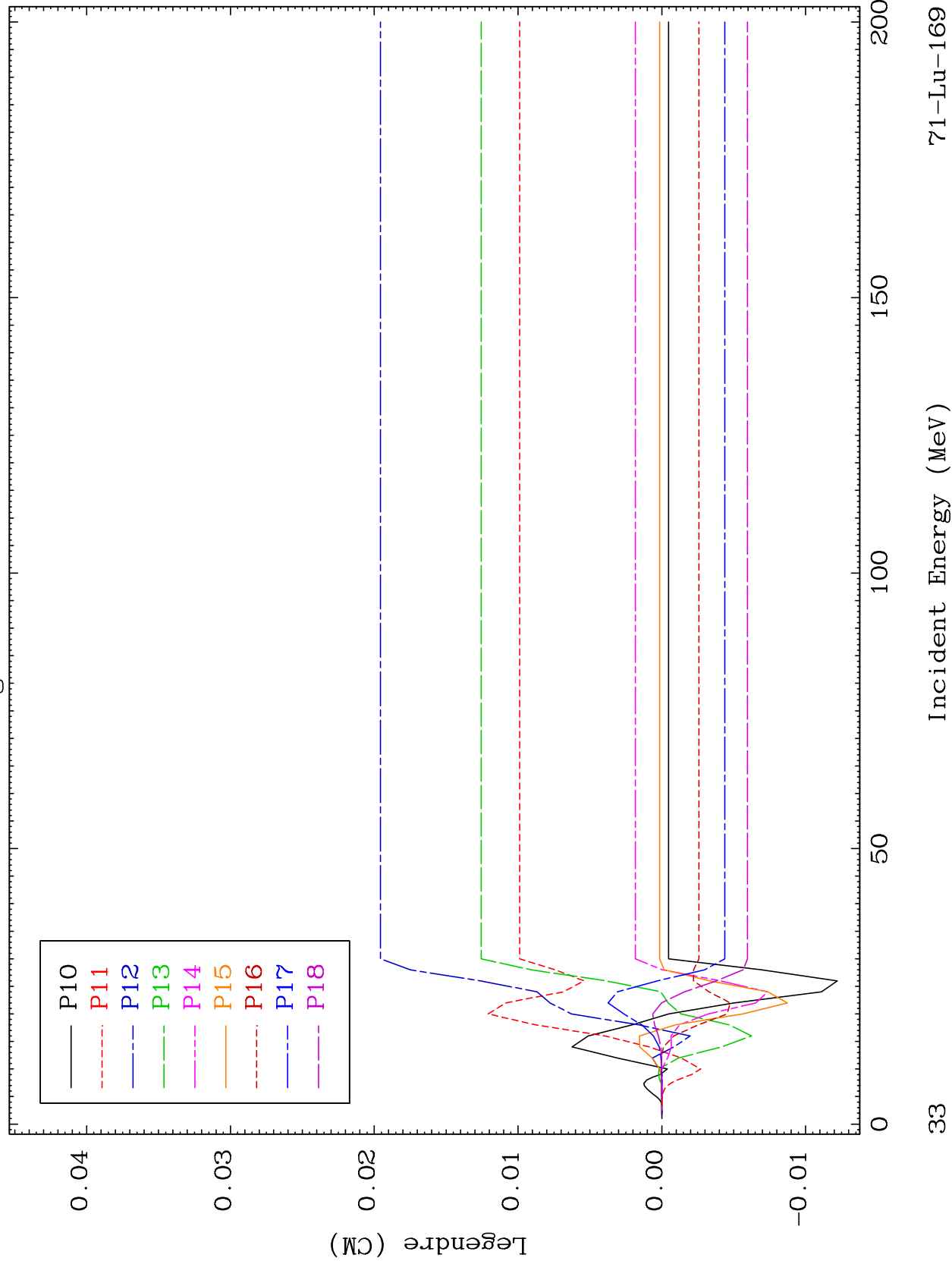


31

Incident Energy (MeV)

71-Lu-169

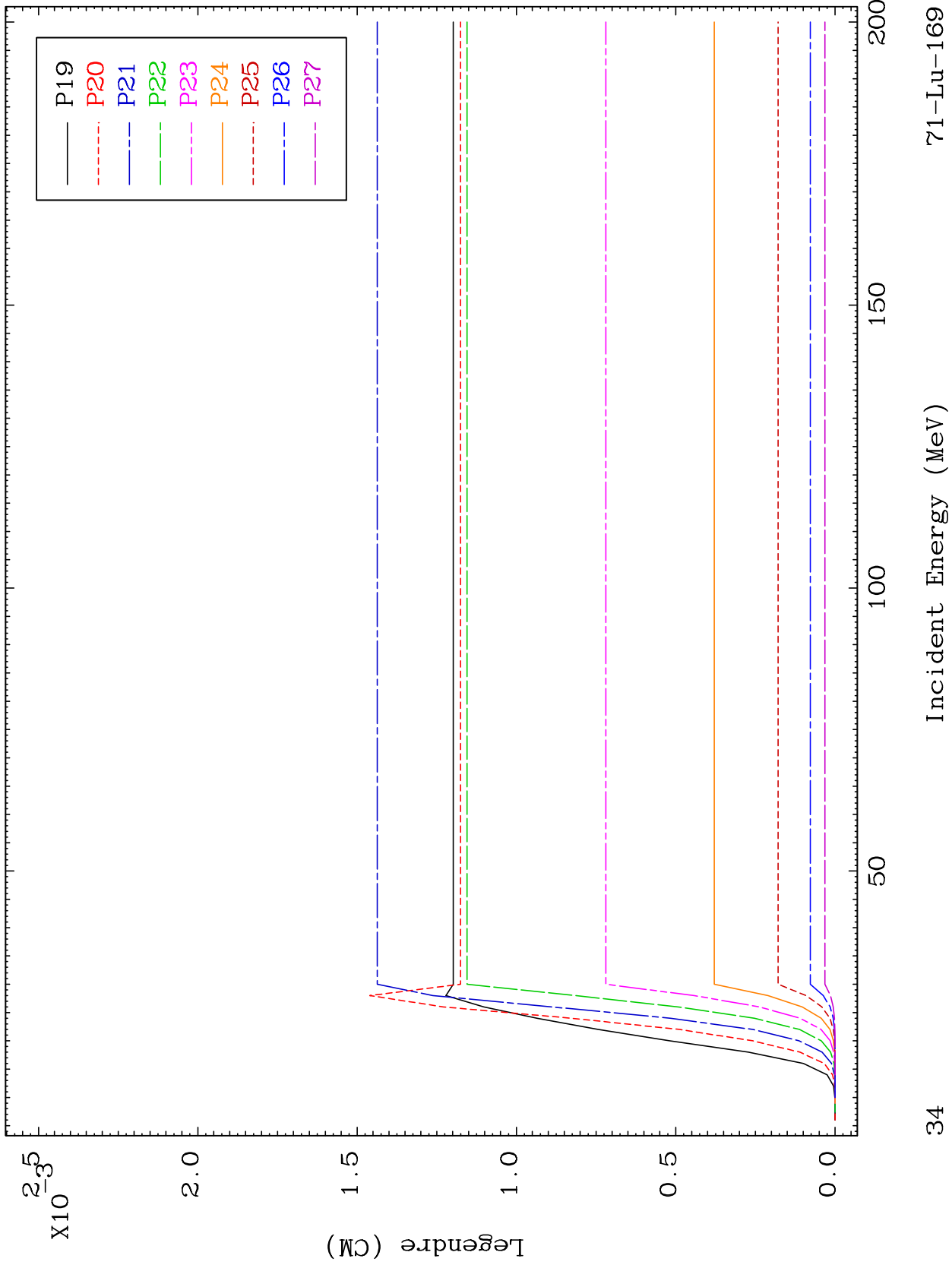




MAT 7107

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

71-Lu-169



34

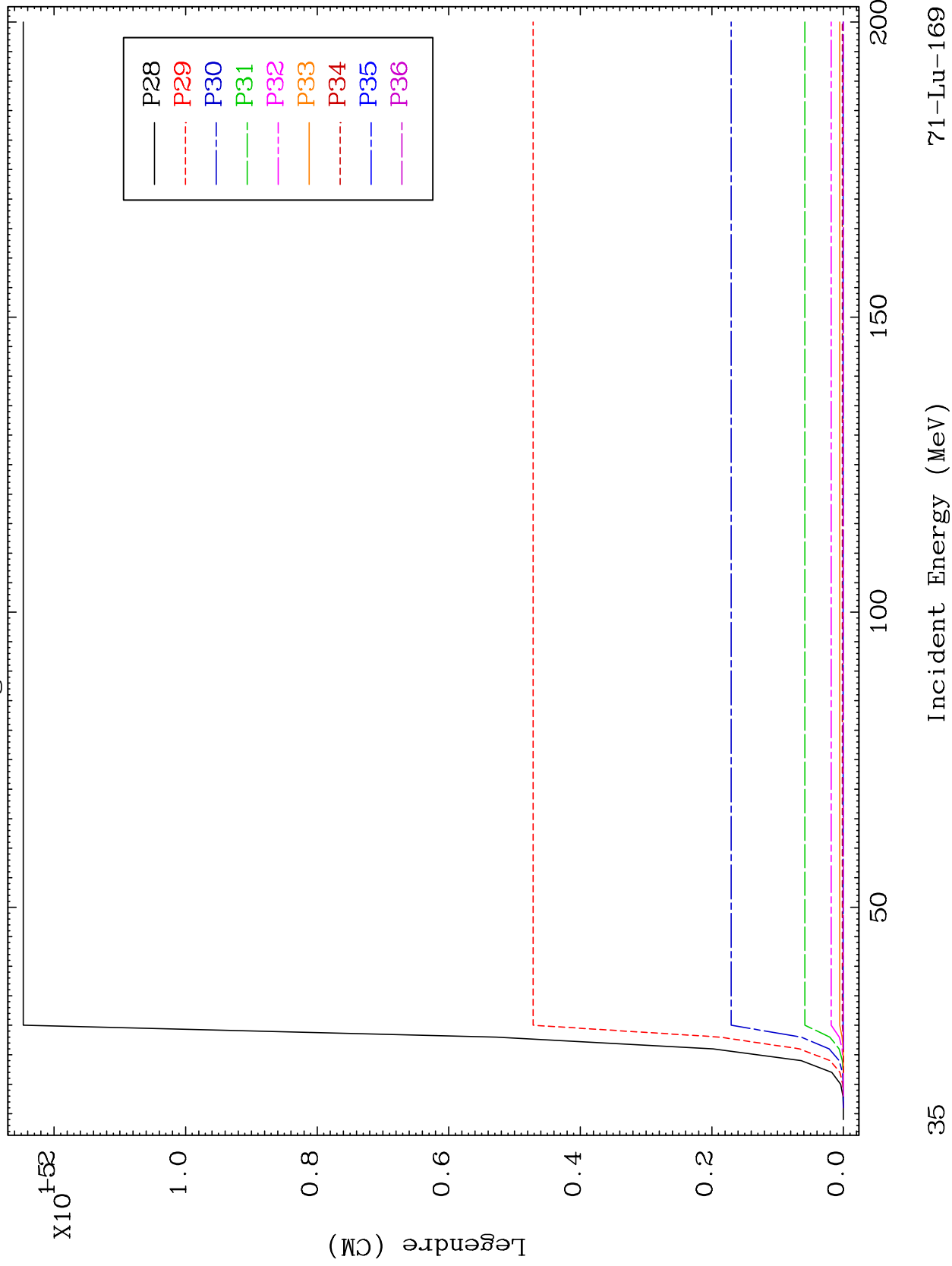
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

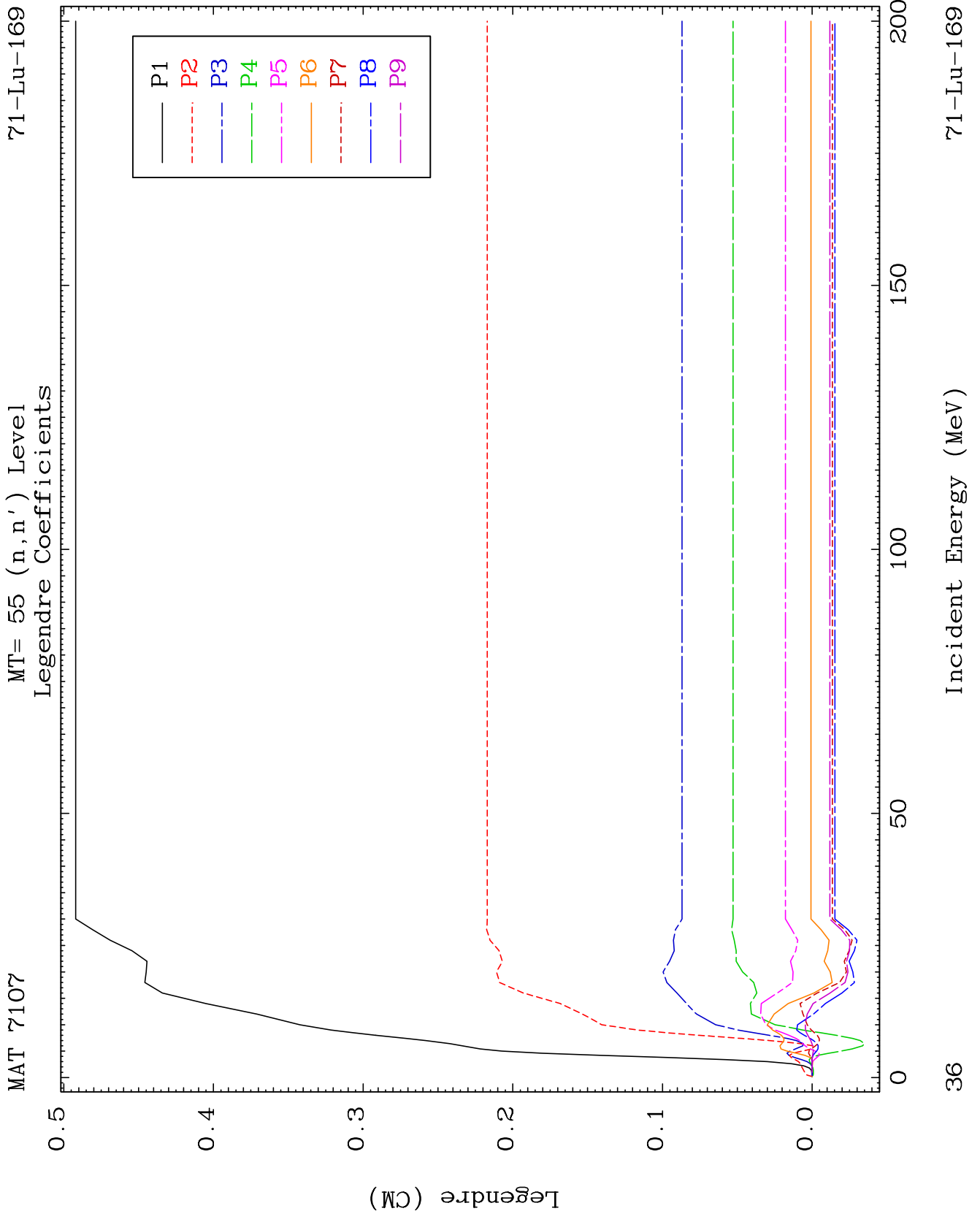
71-Lu-169



35

Incident Energy (MeV)

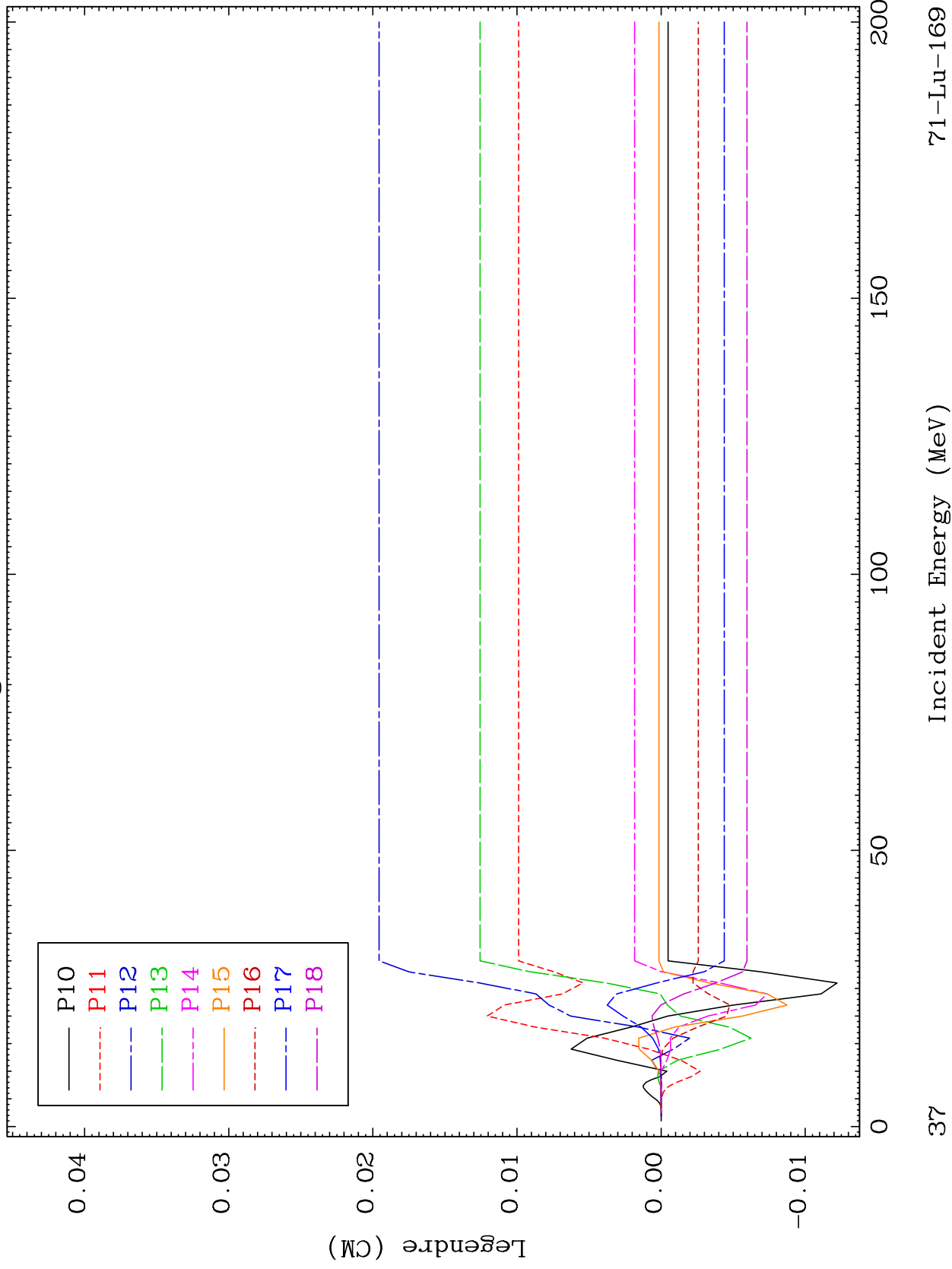
71-Lu-169



MAT 7107

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

71-Lu-169



37

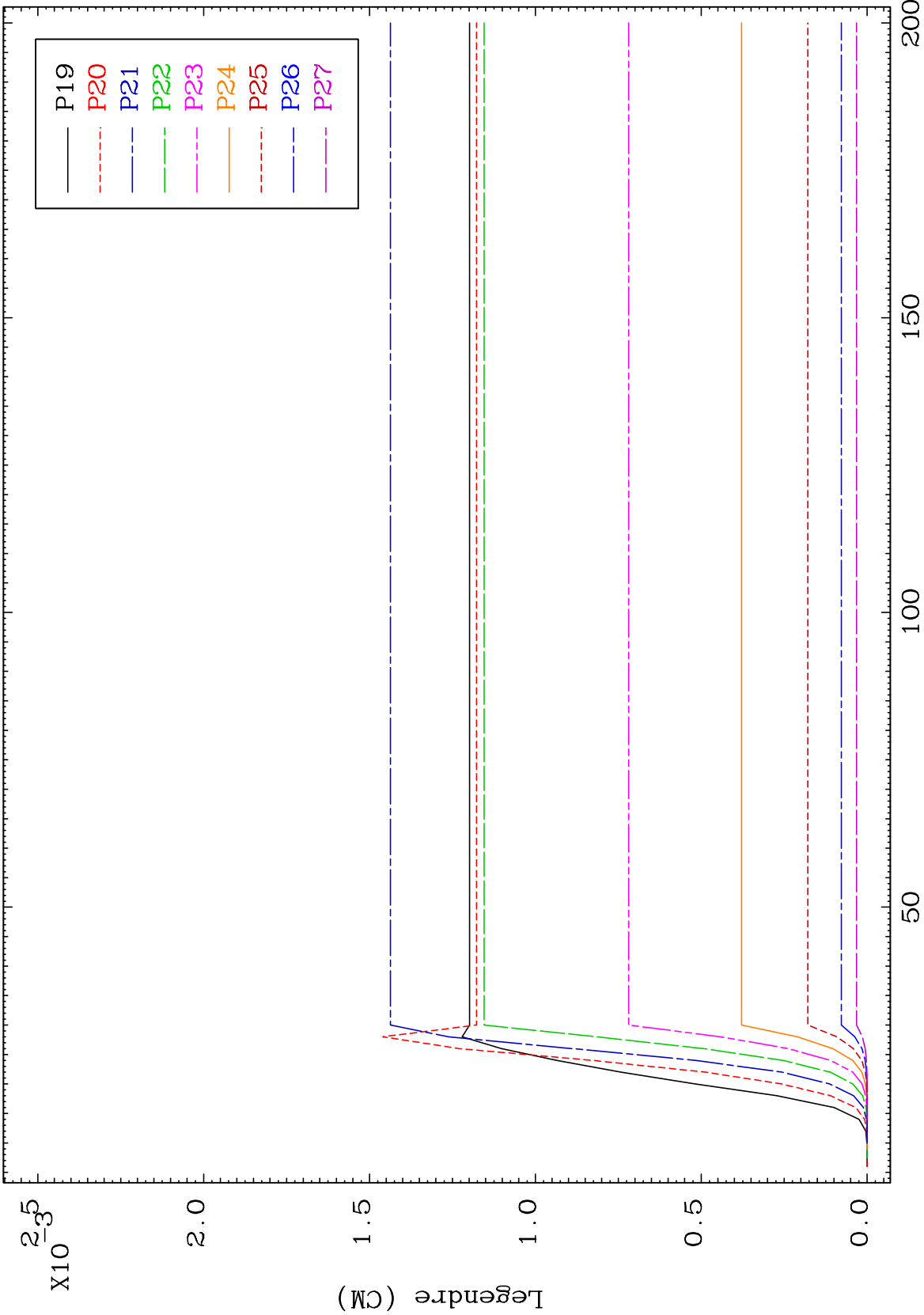
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



38

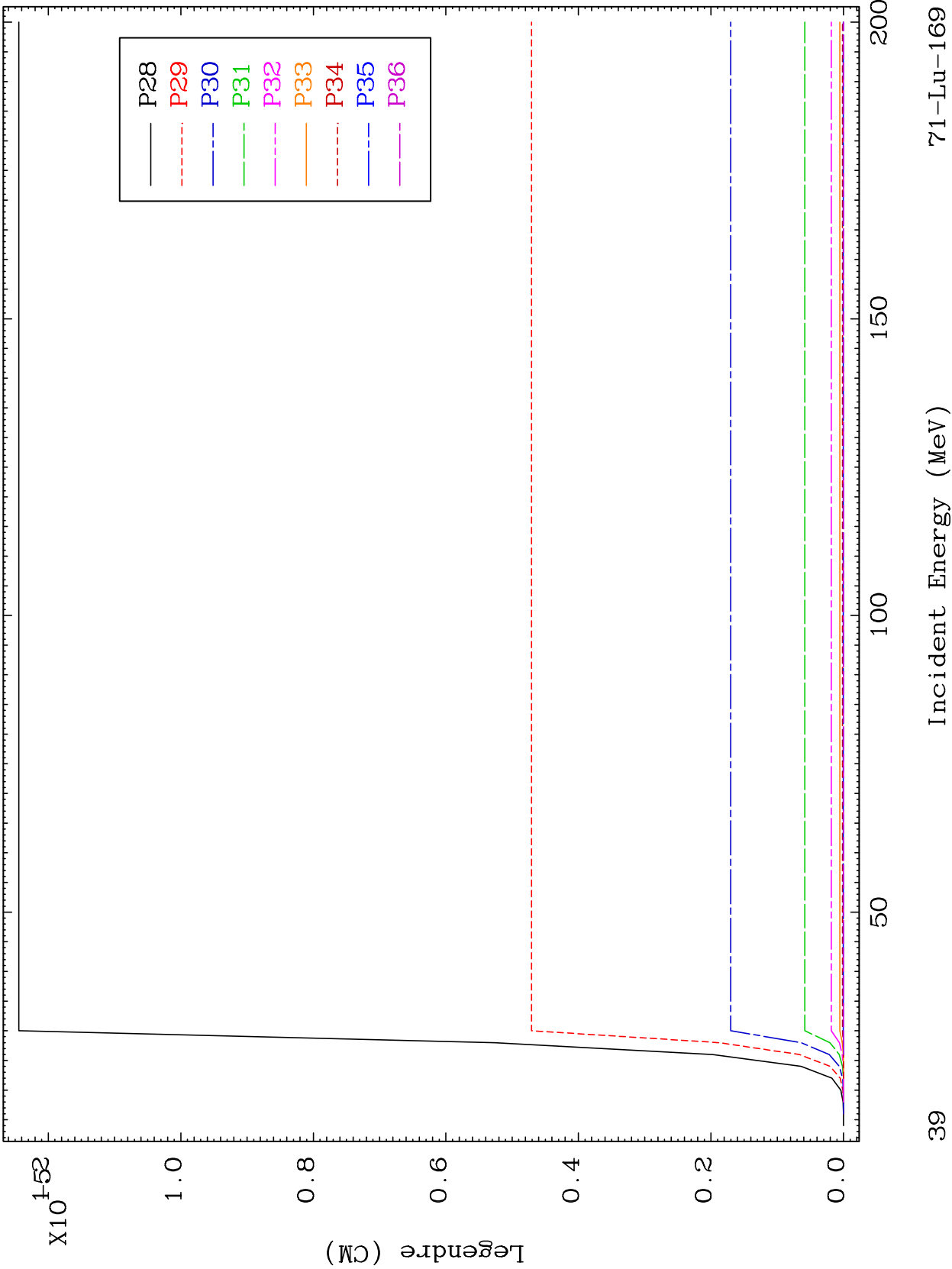
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



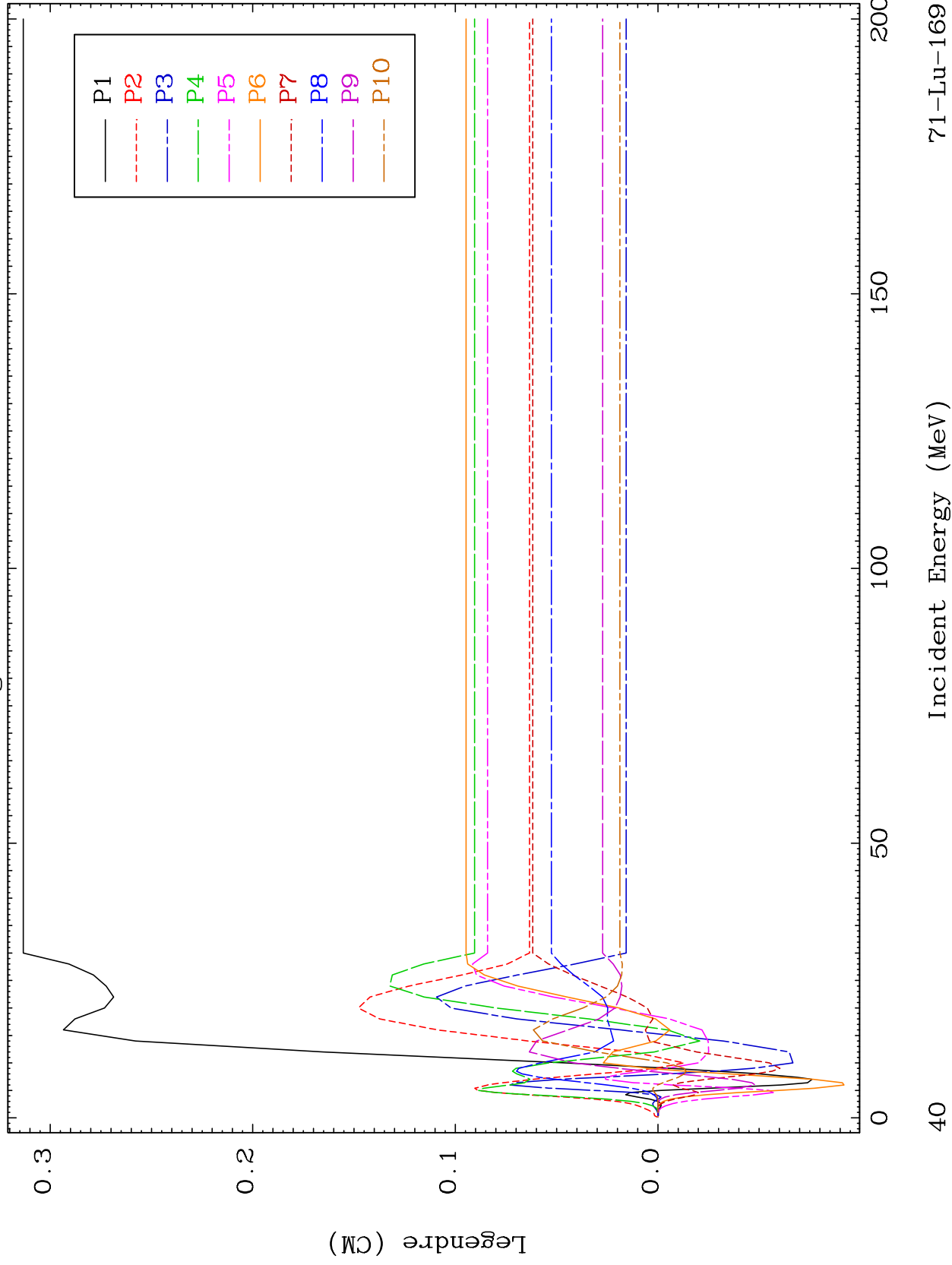
39

71-Lu-169

MAT 7107

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

71-Lu-169

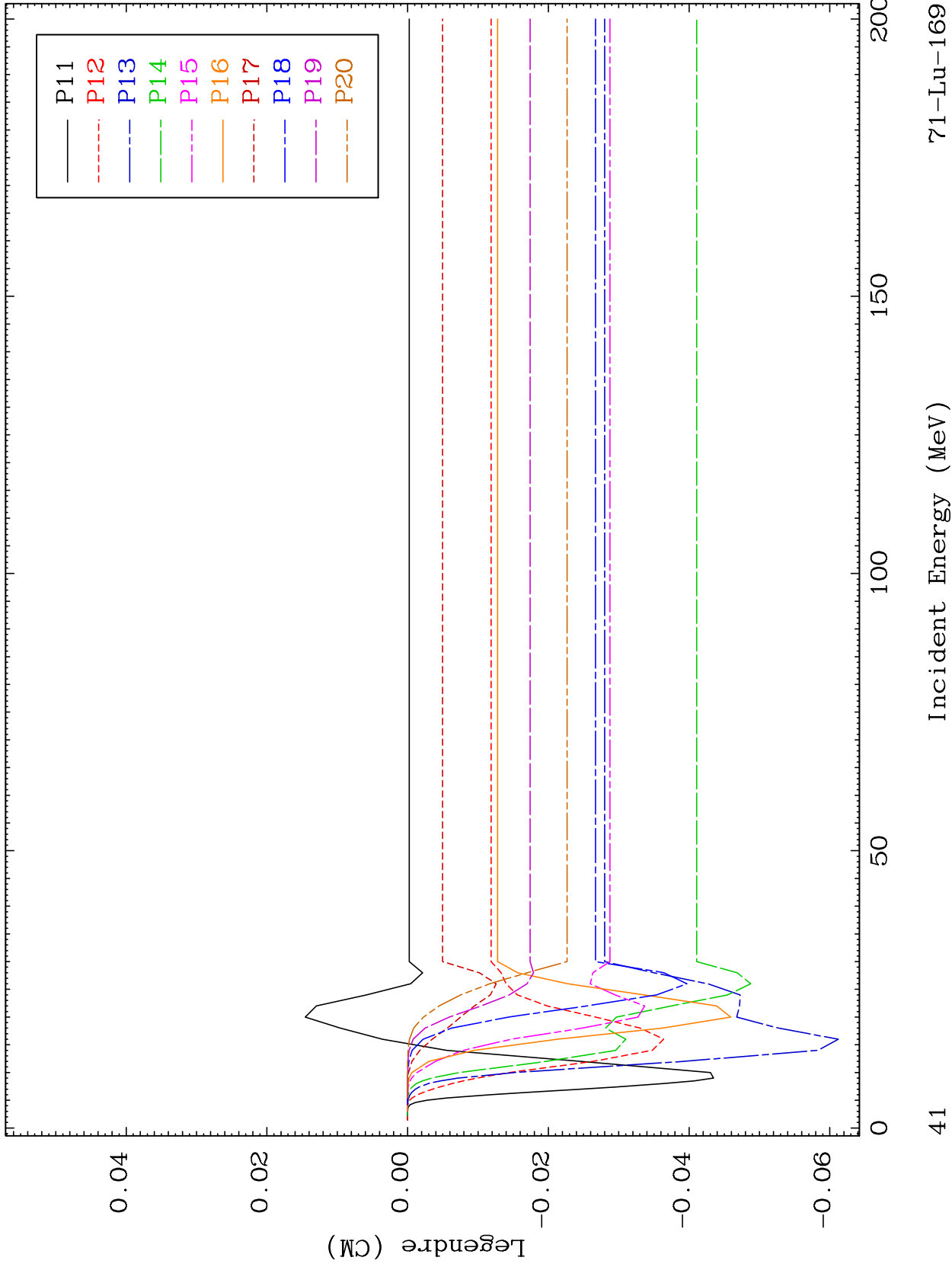


71-Lu-169

MAT 7107

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

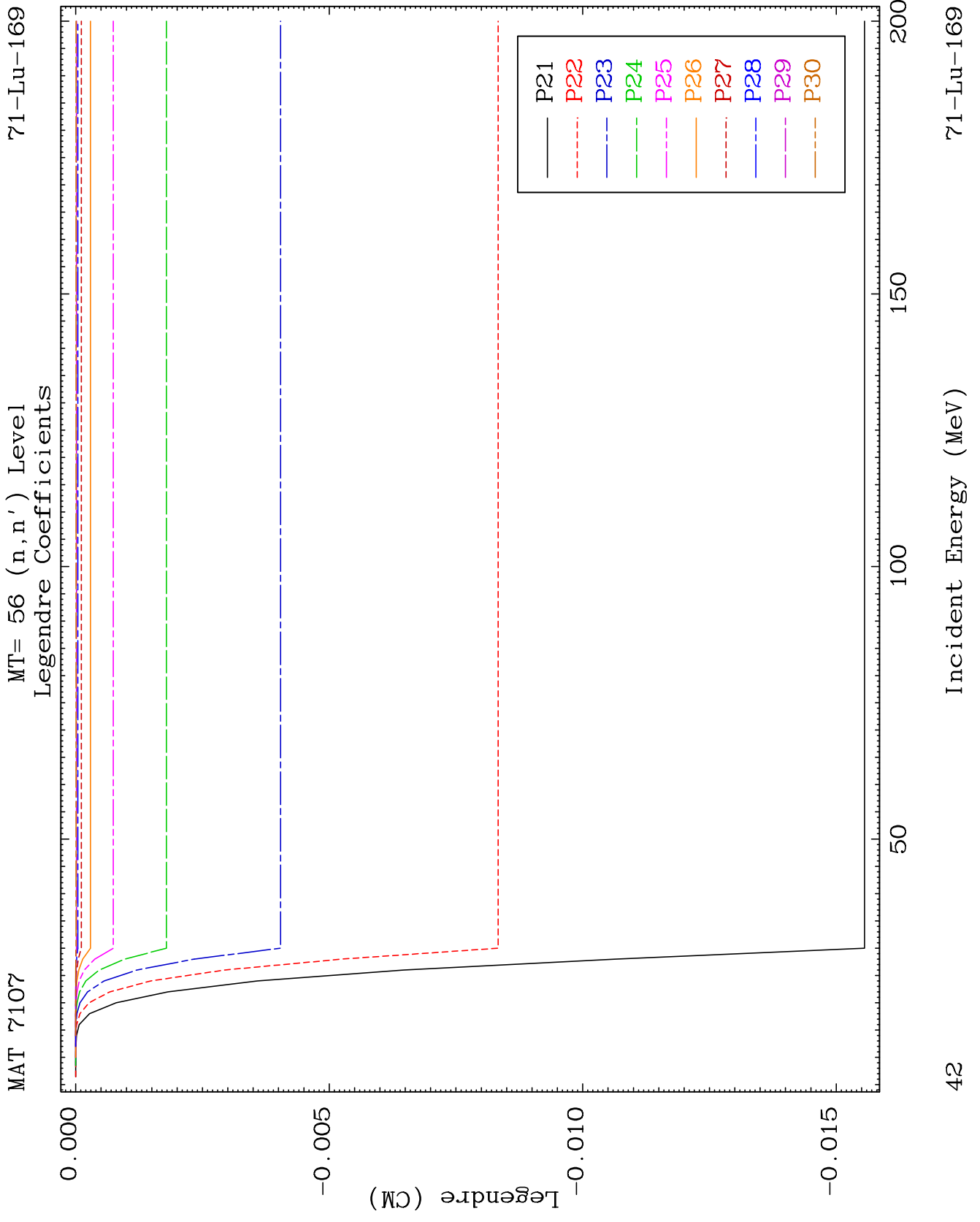
71-Lu-169

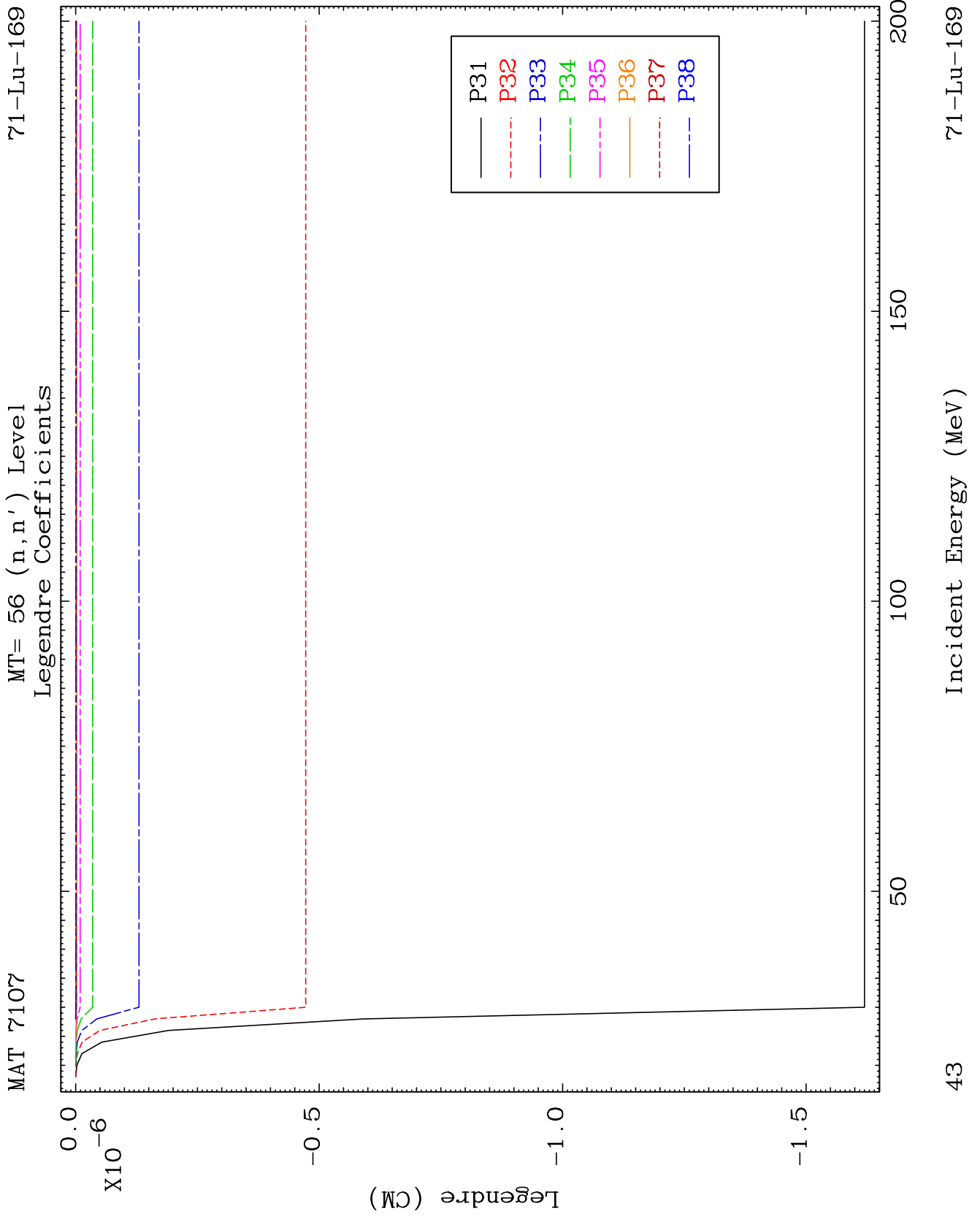


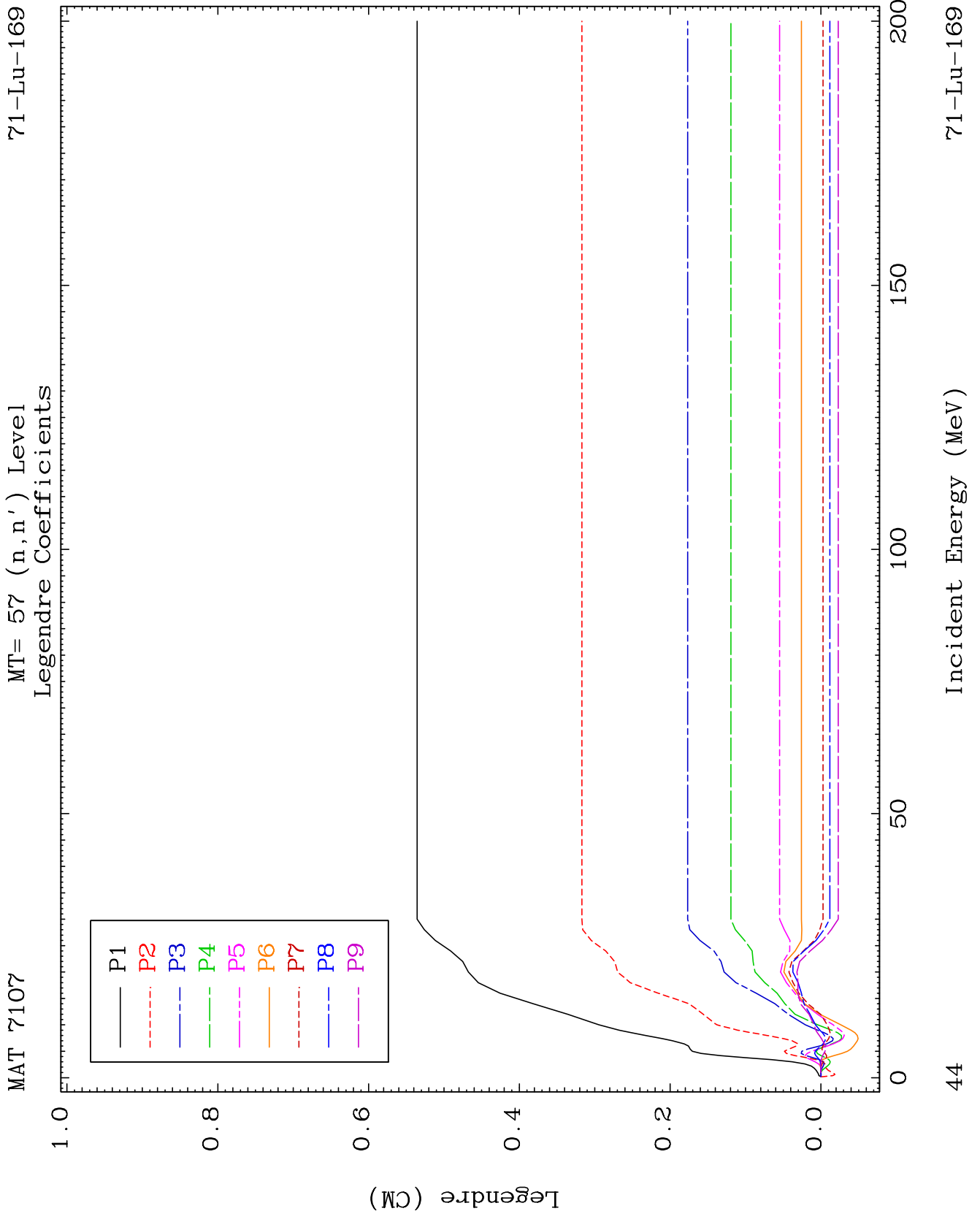
41

Incident Energy (MeV)

71-Lu-169



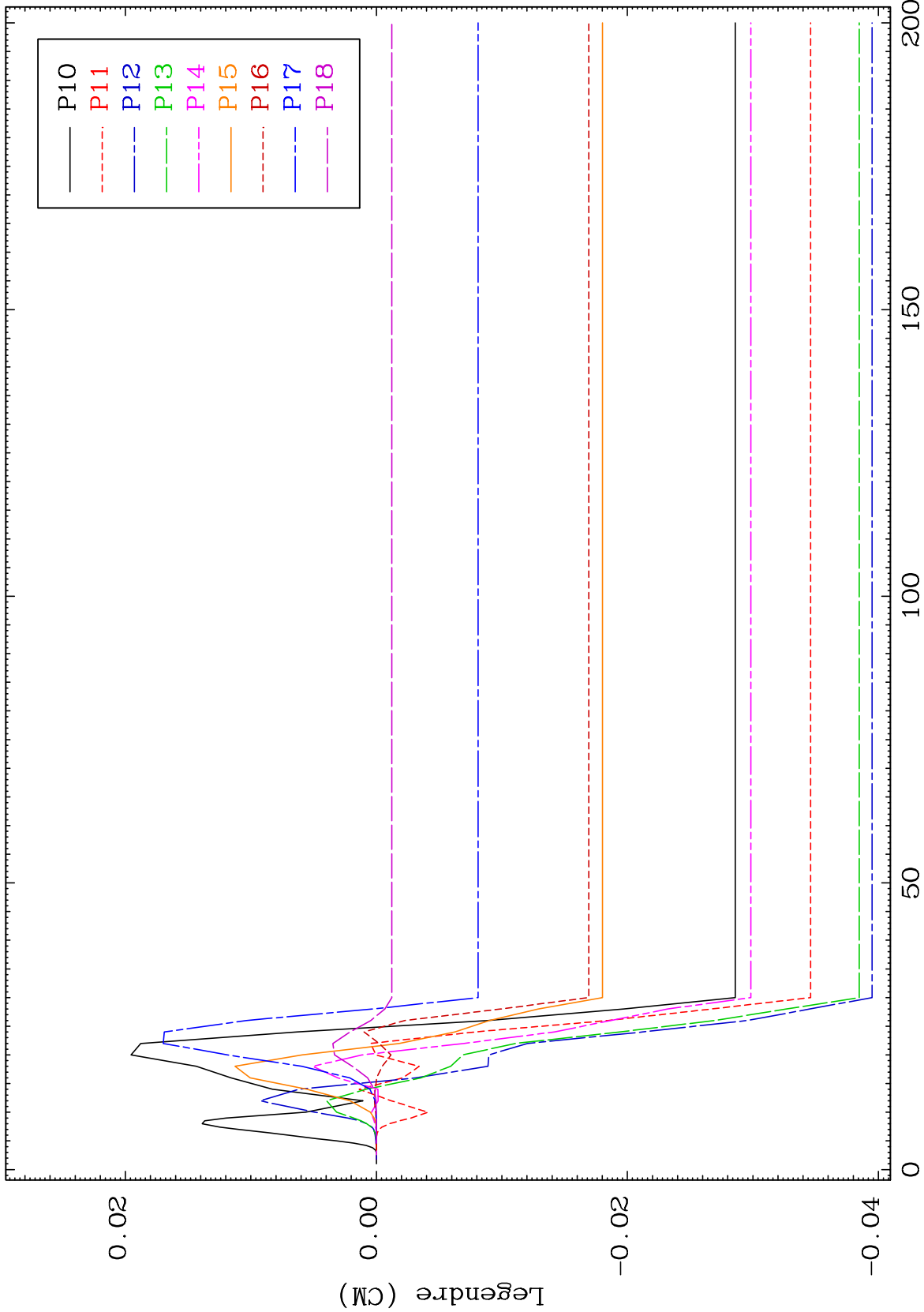




MAT 7107

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

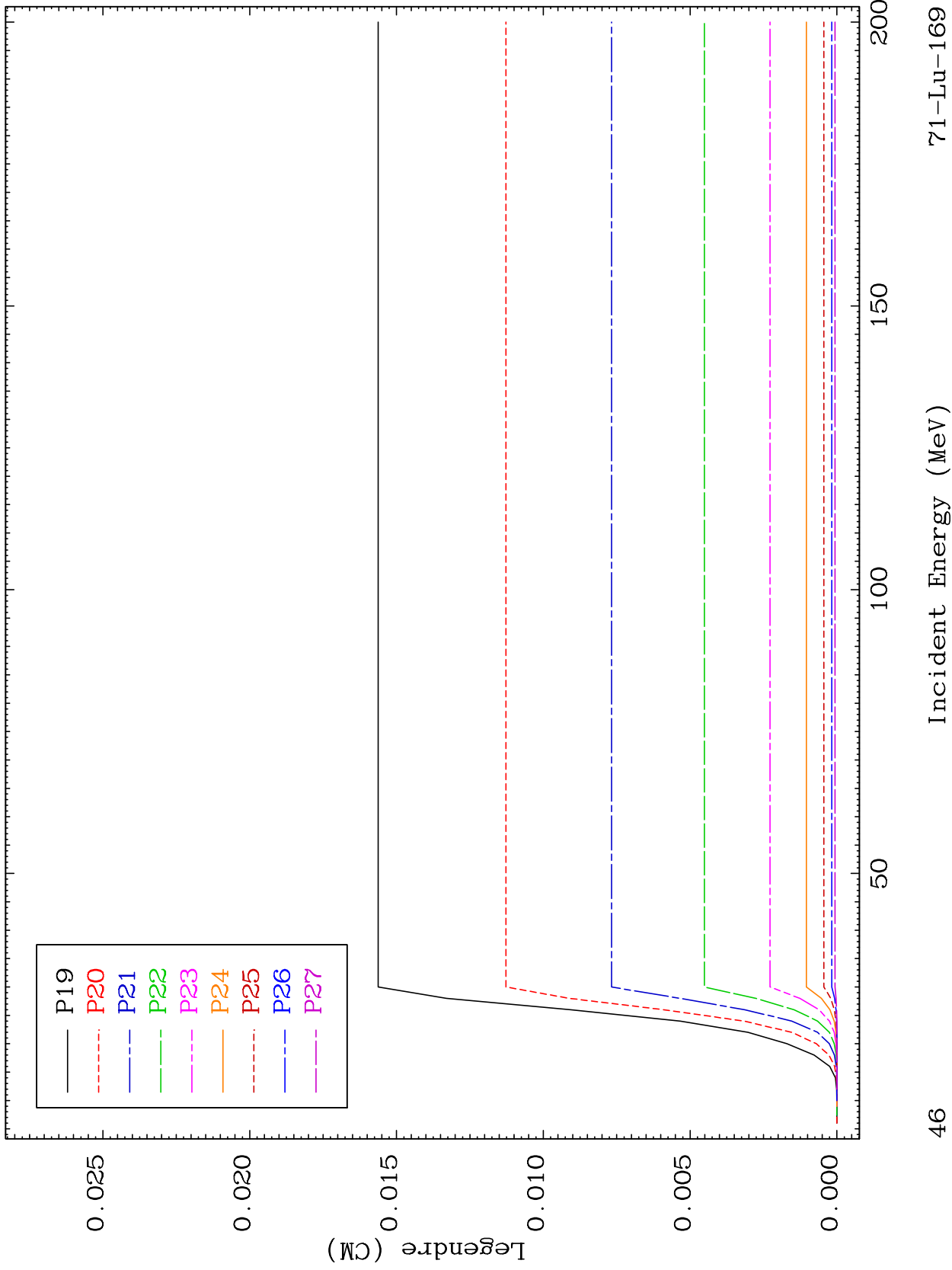
71-Lu-169



45

Incident Energy (MeV)

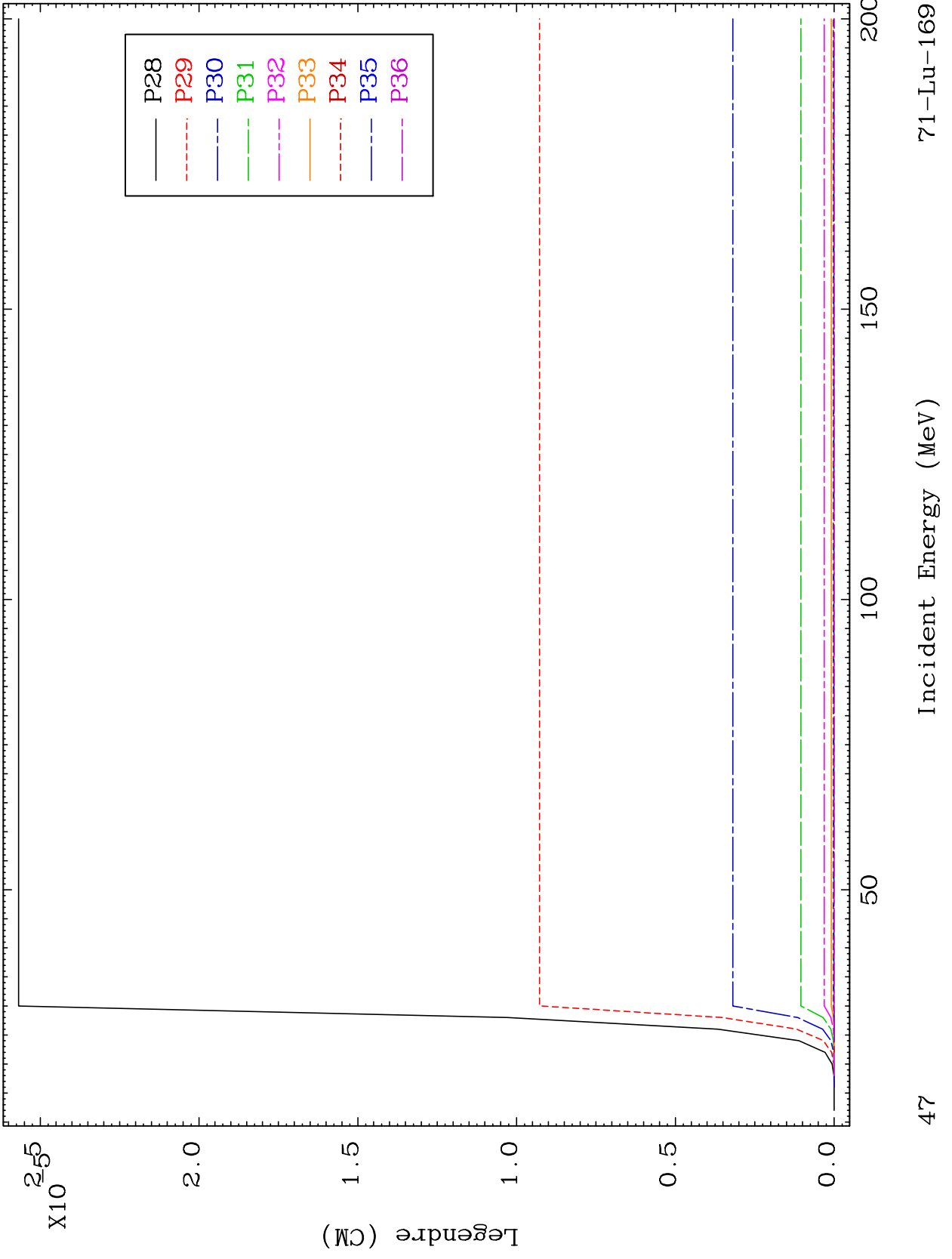
71-Lu-169



MAT 7107

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

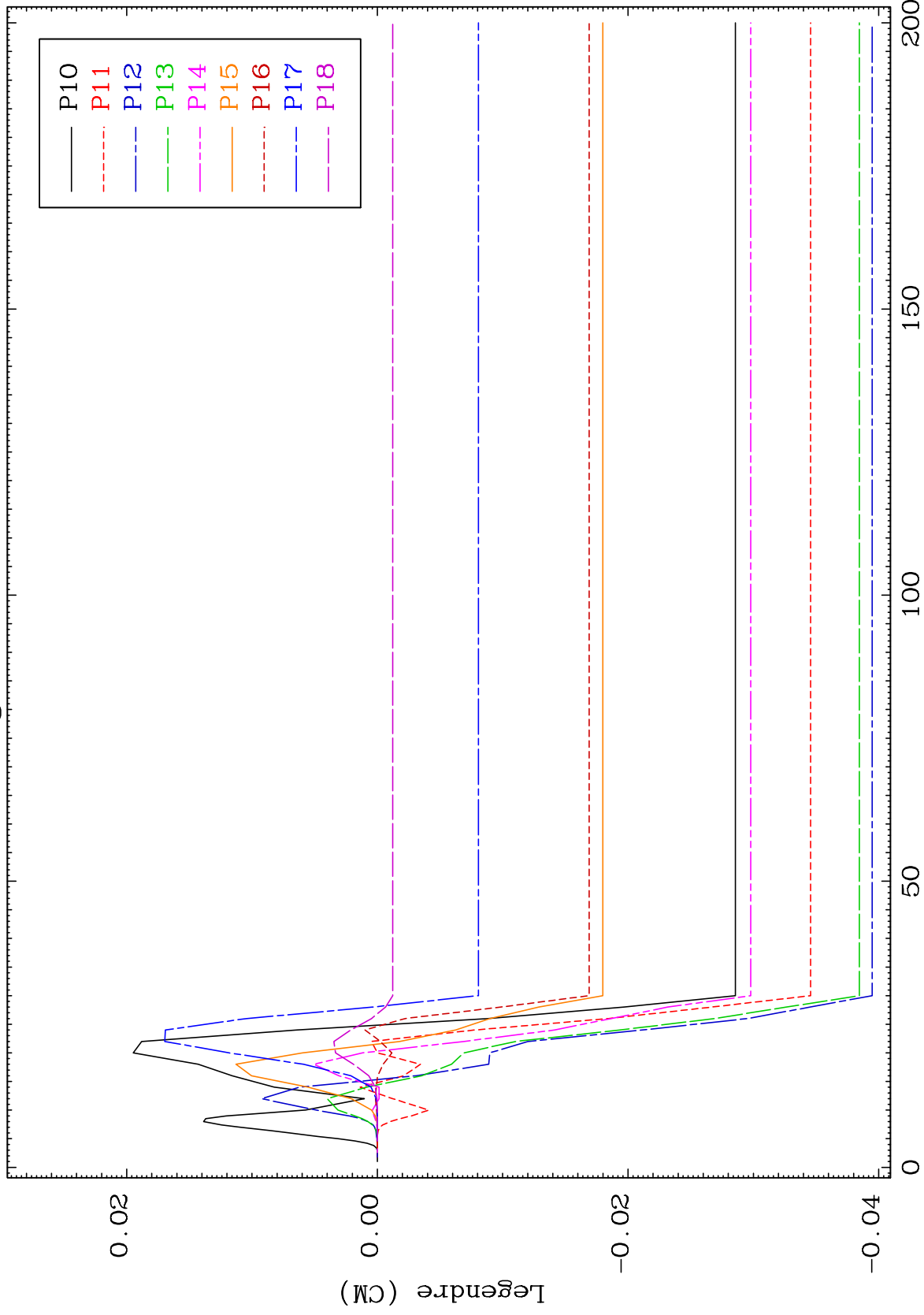
71-Lu-169



MAT 7107

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

71-Lu-169



49

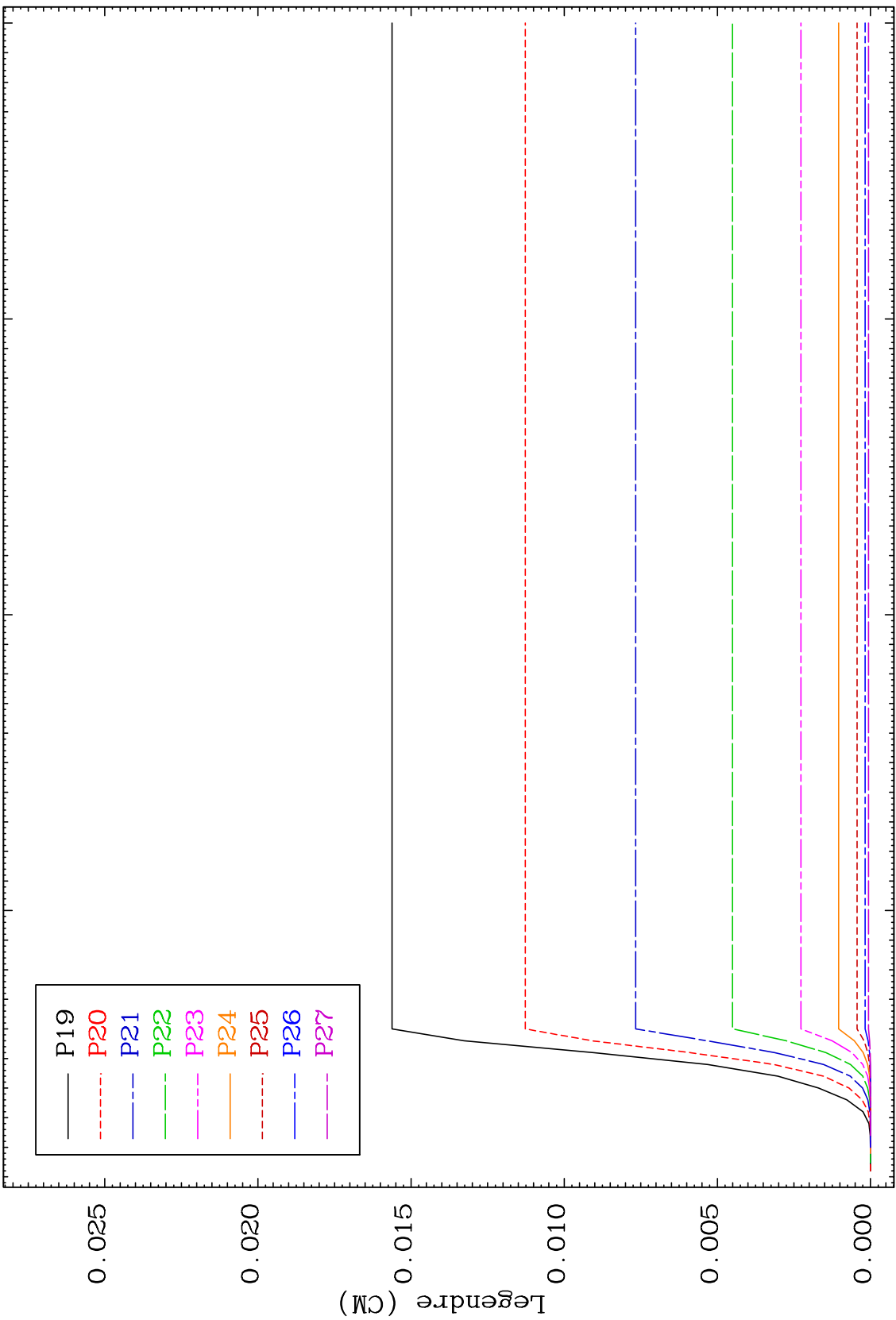
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

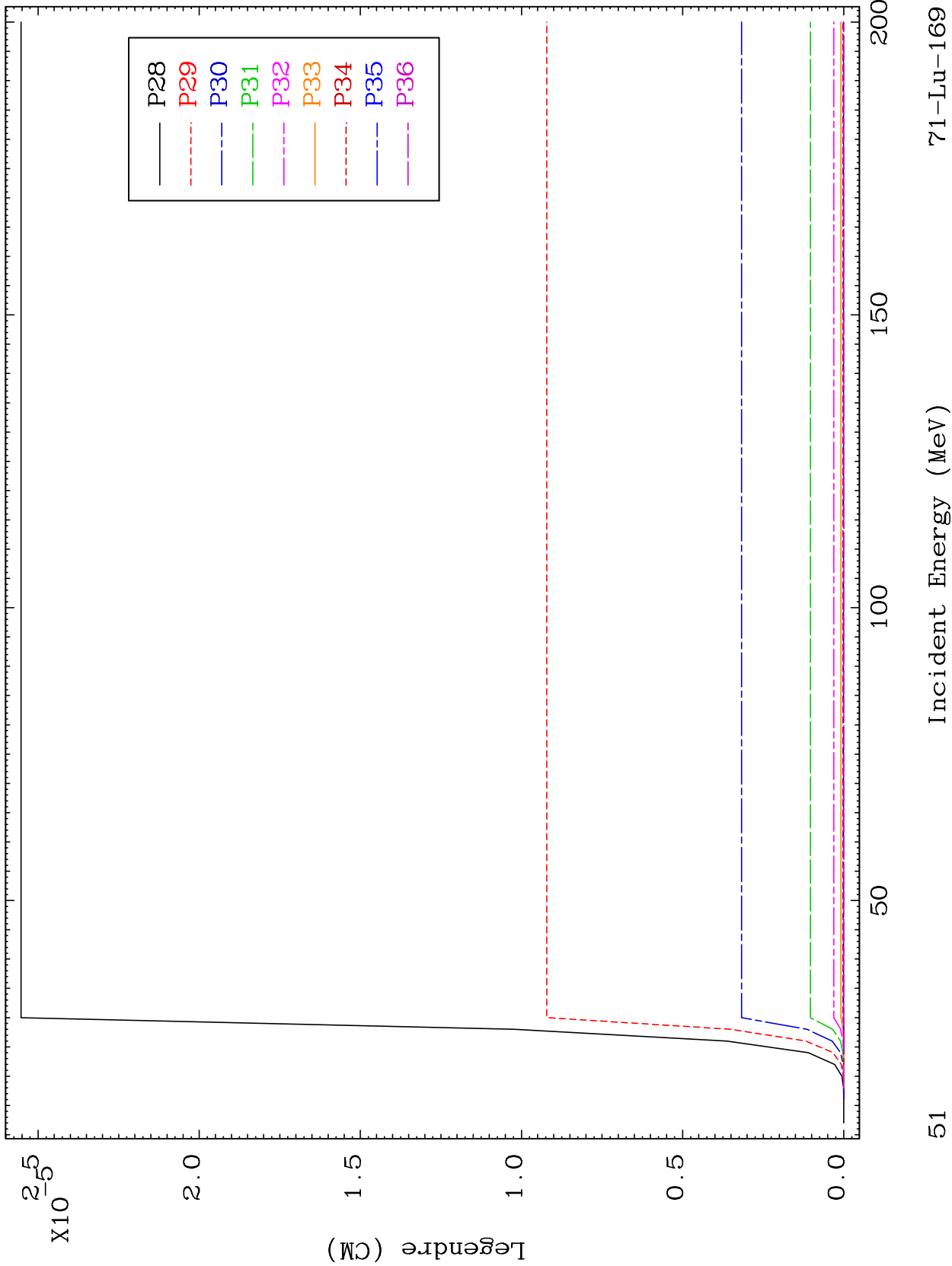
71-Lu-169



50

Incident Energy (MeV)

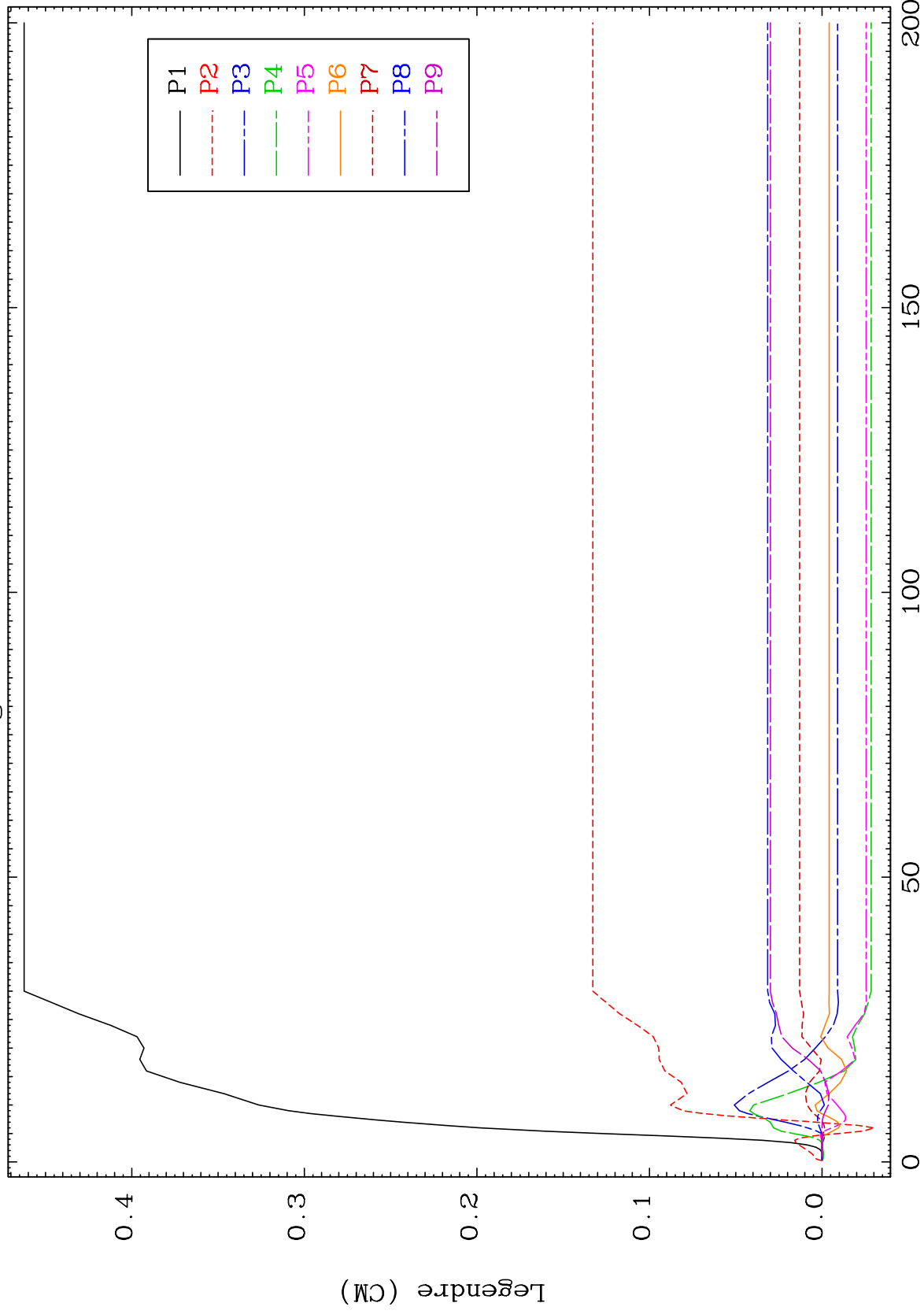
71-Lu-169



MAT 7107

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

71-Lu-169



52

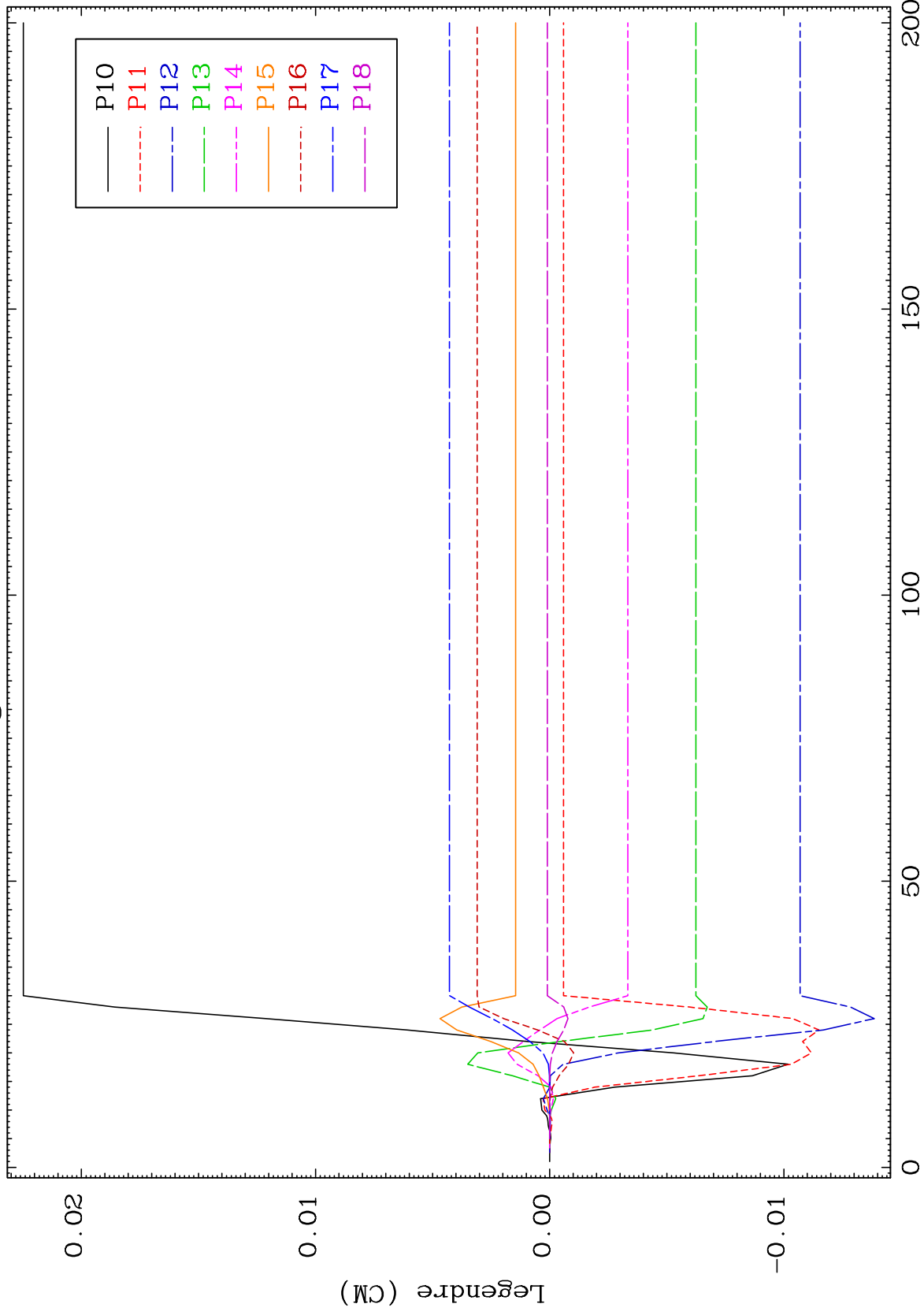
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



53

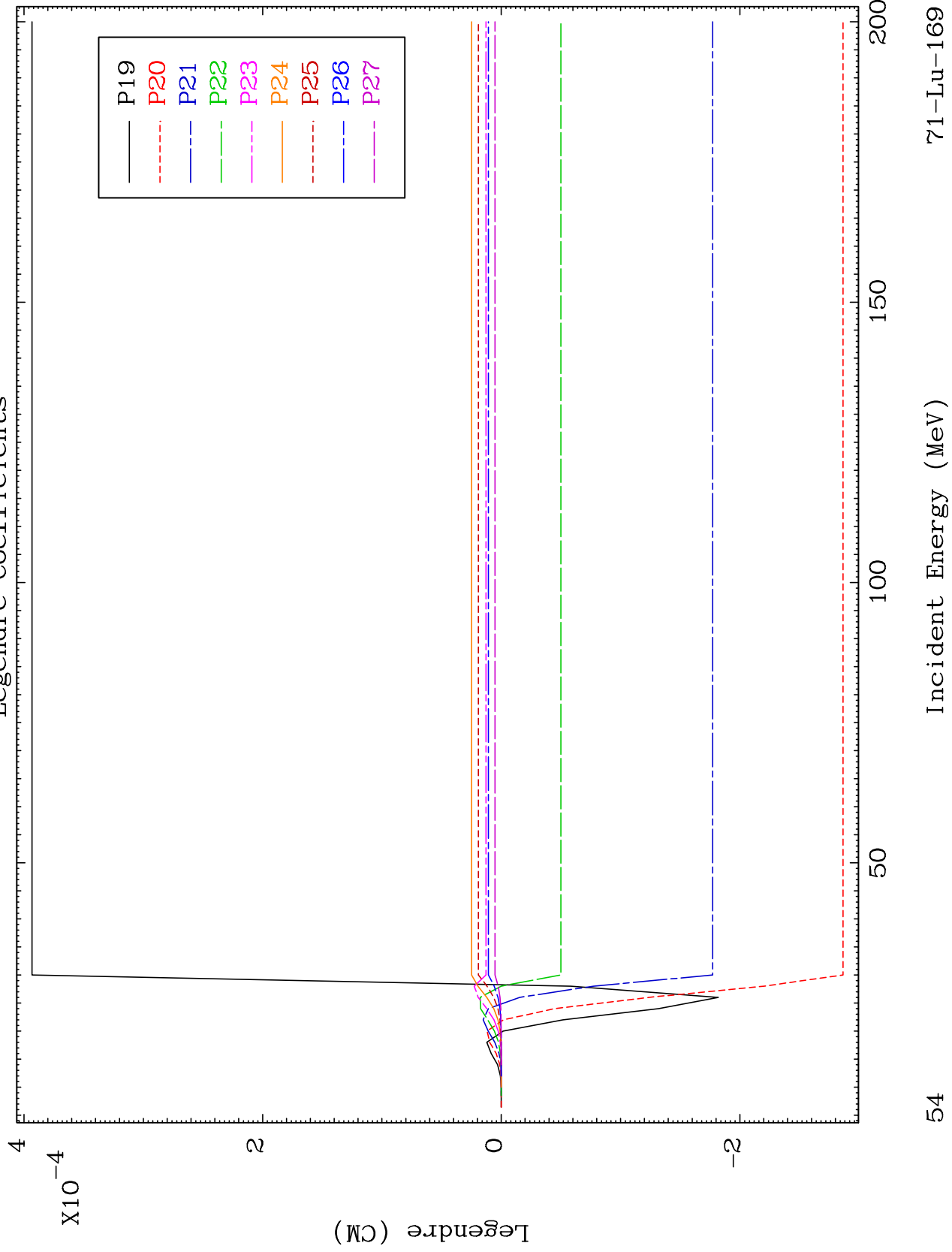
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



54

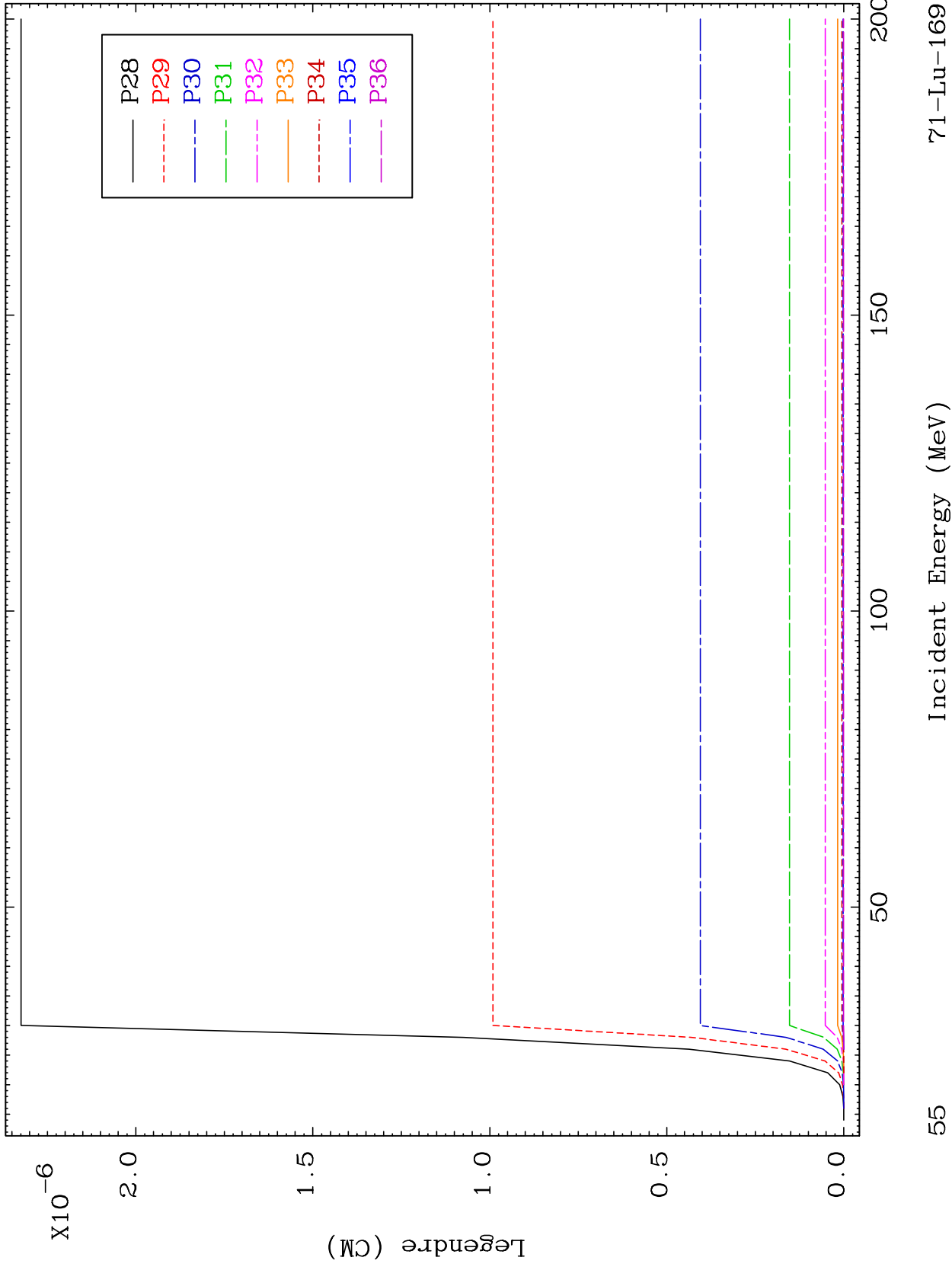
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

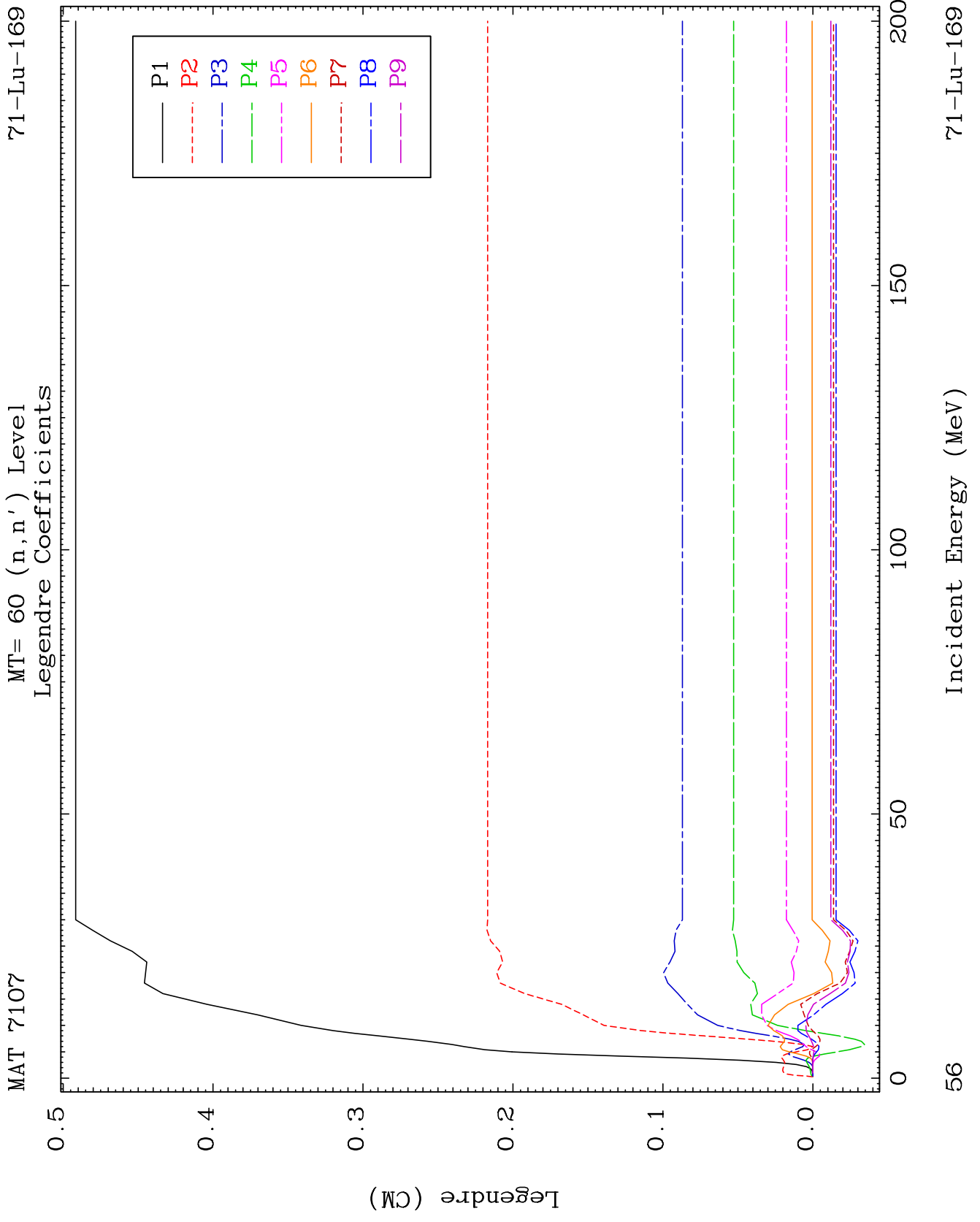
71-Lu-169

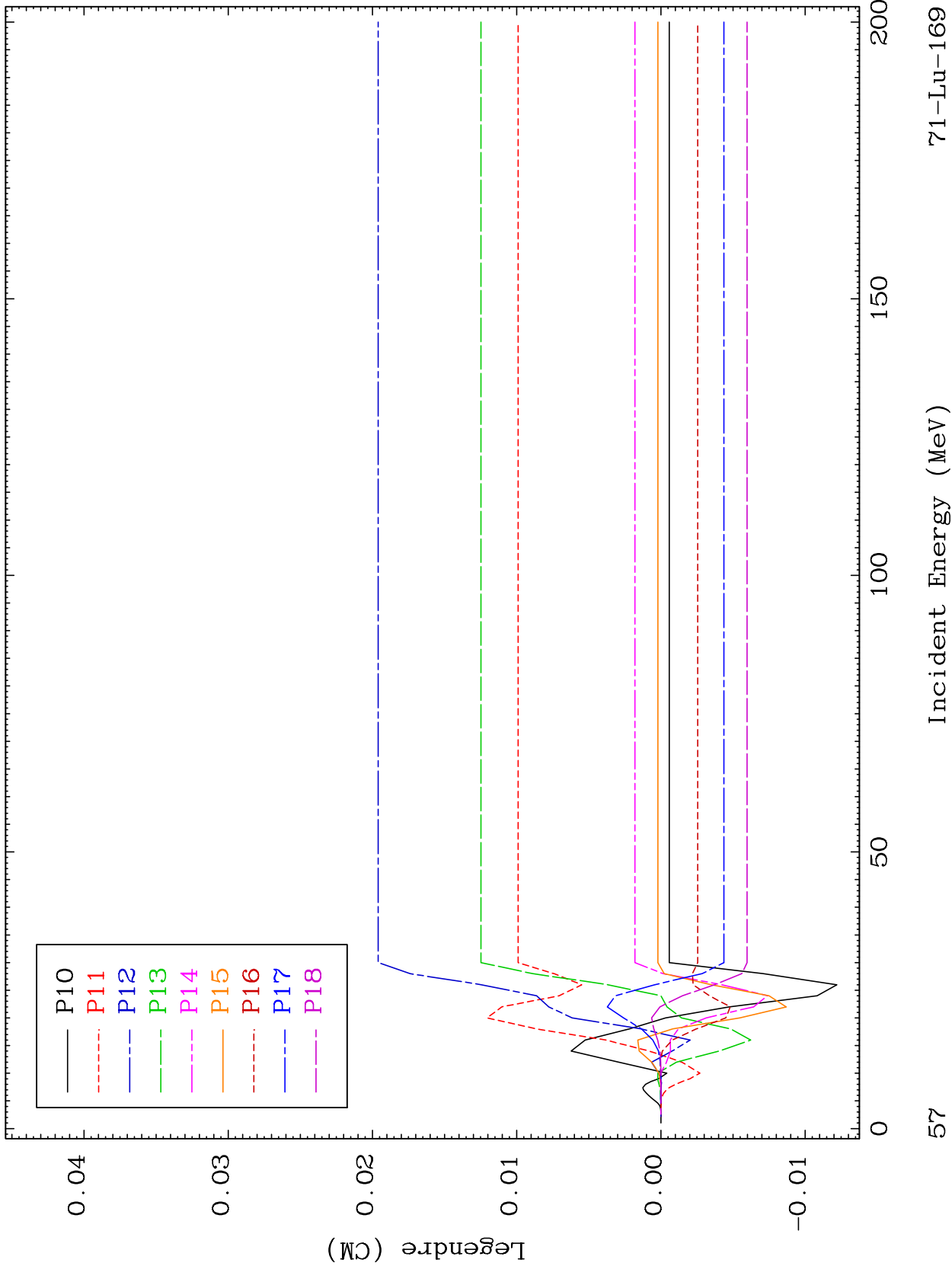


55

Incident Energy (MeV)

71-Lu-169

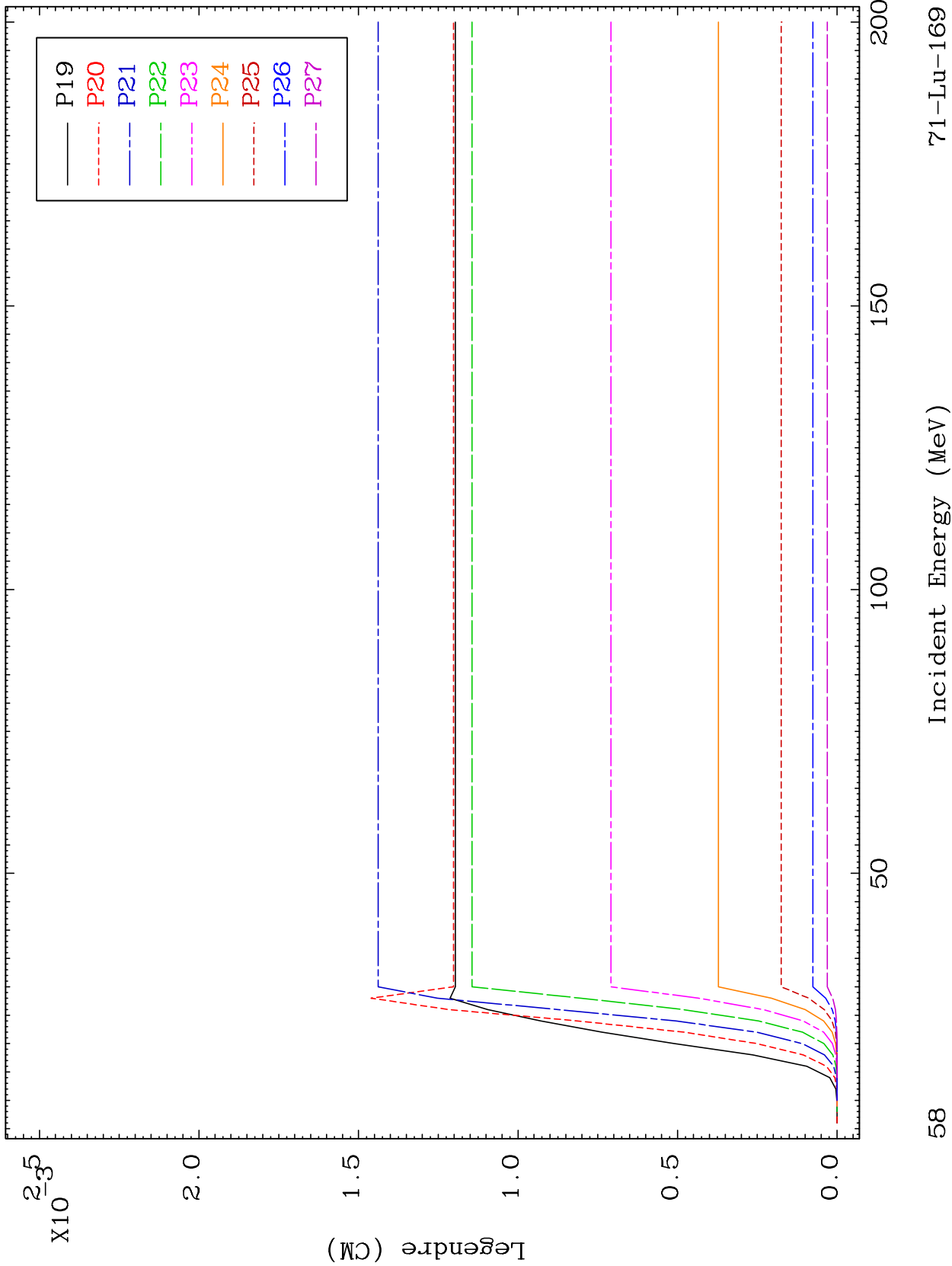




MAT 7107

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

71-Lu-169



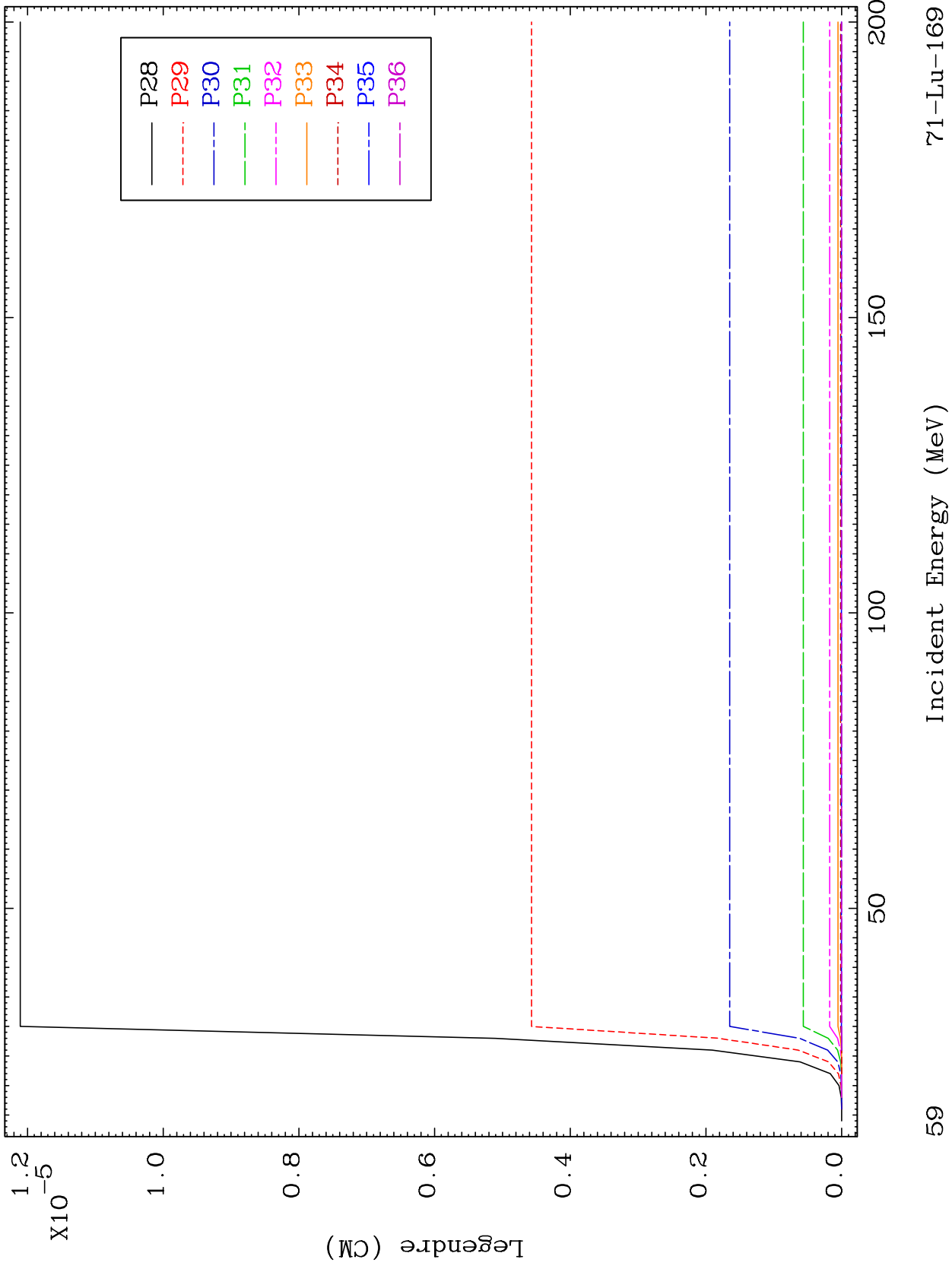
58

71-Lu-169

MAT 7107

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

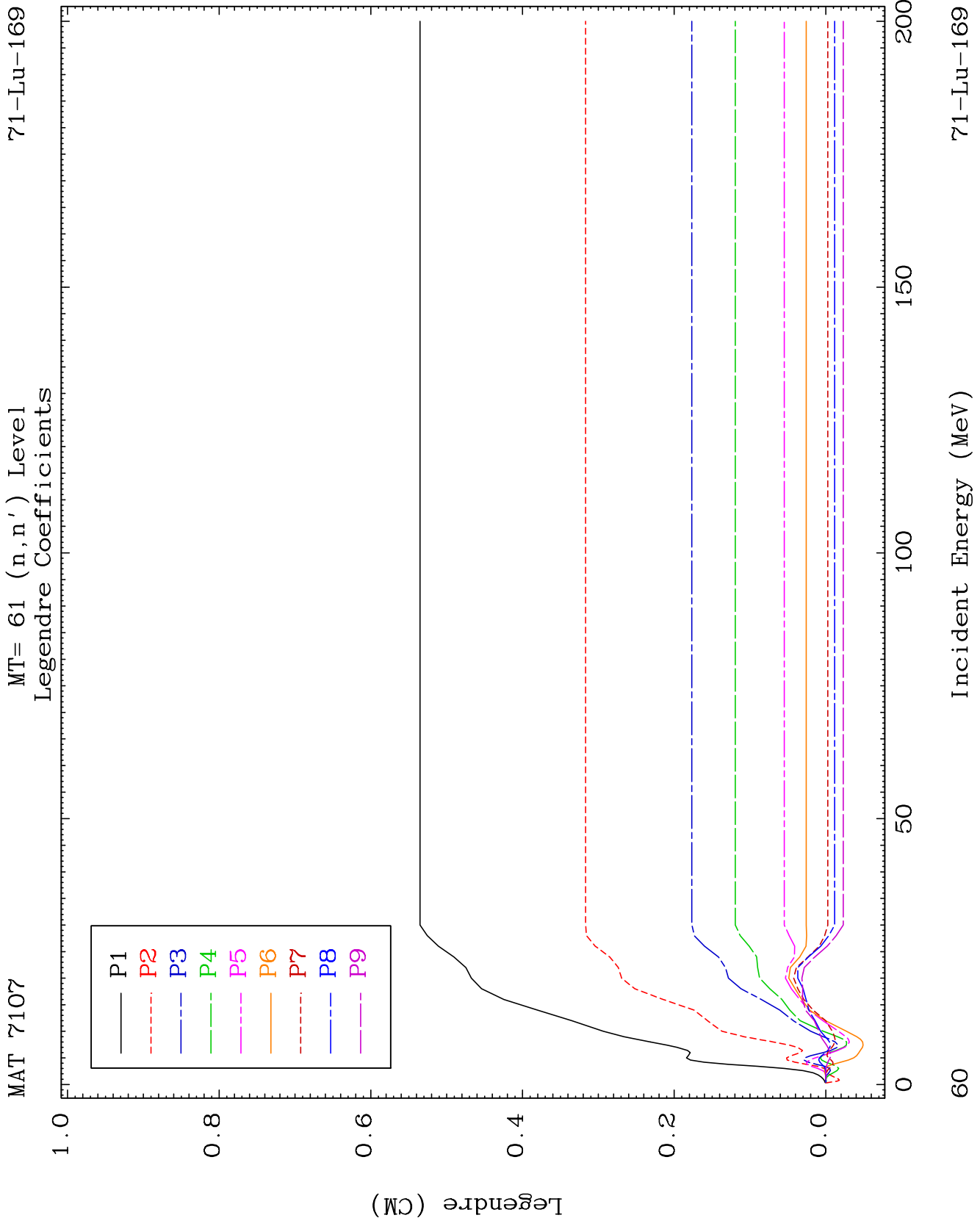
71-Lu-169



59

Incident Energy (MeV)

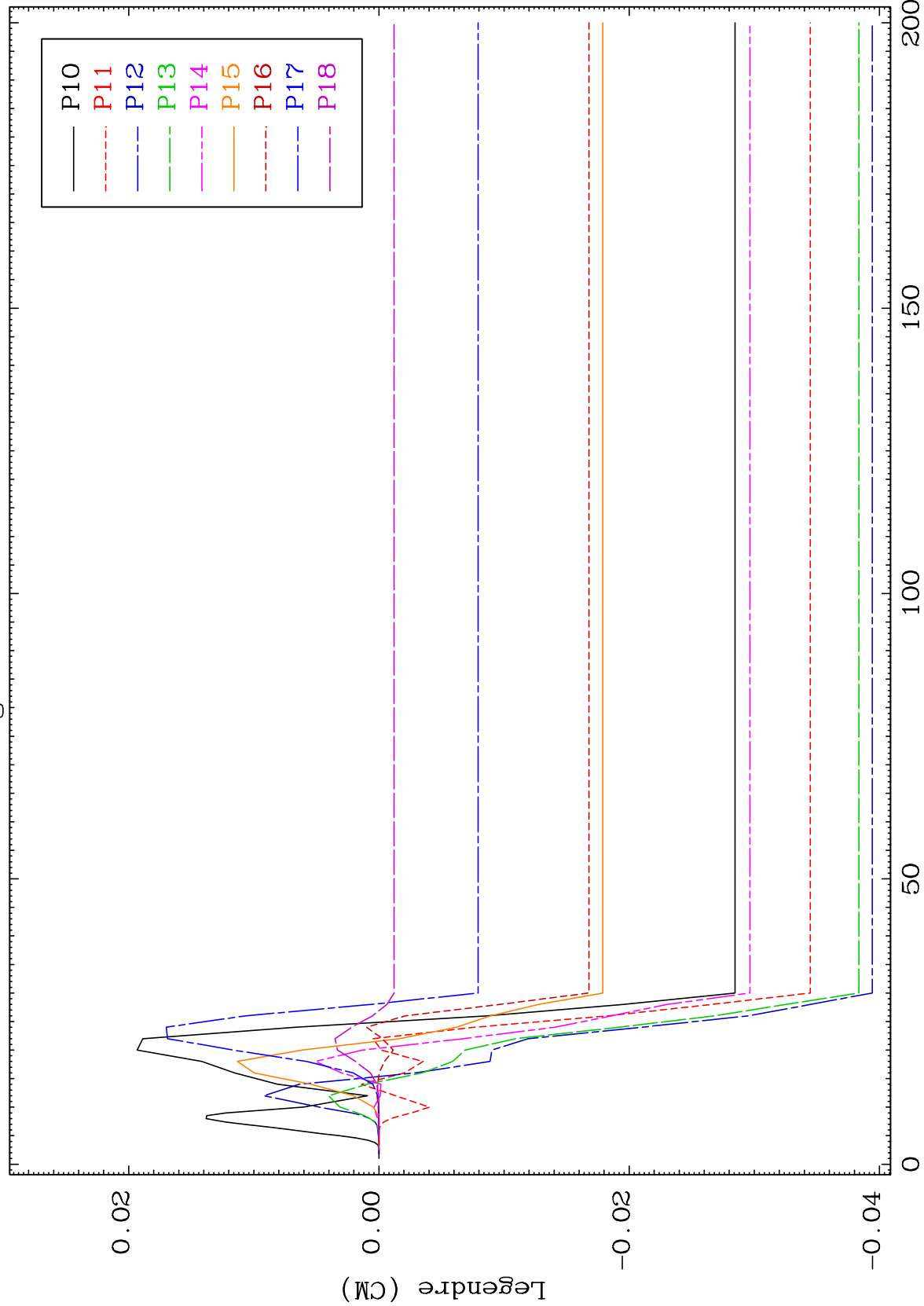
71-Lu-169



MAT 7107

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

71-Lu-169



61

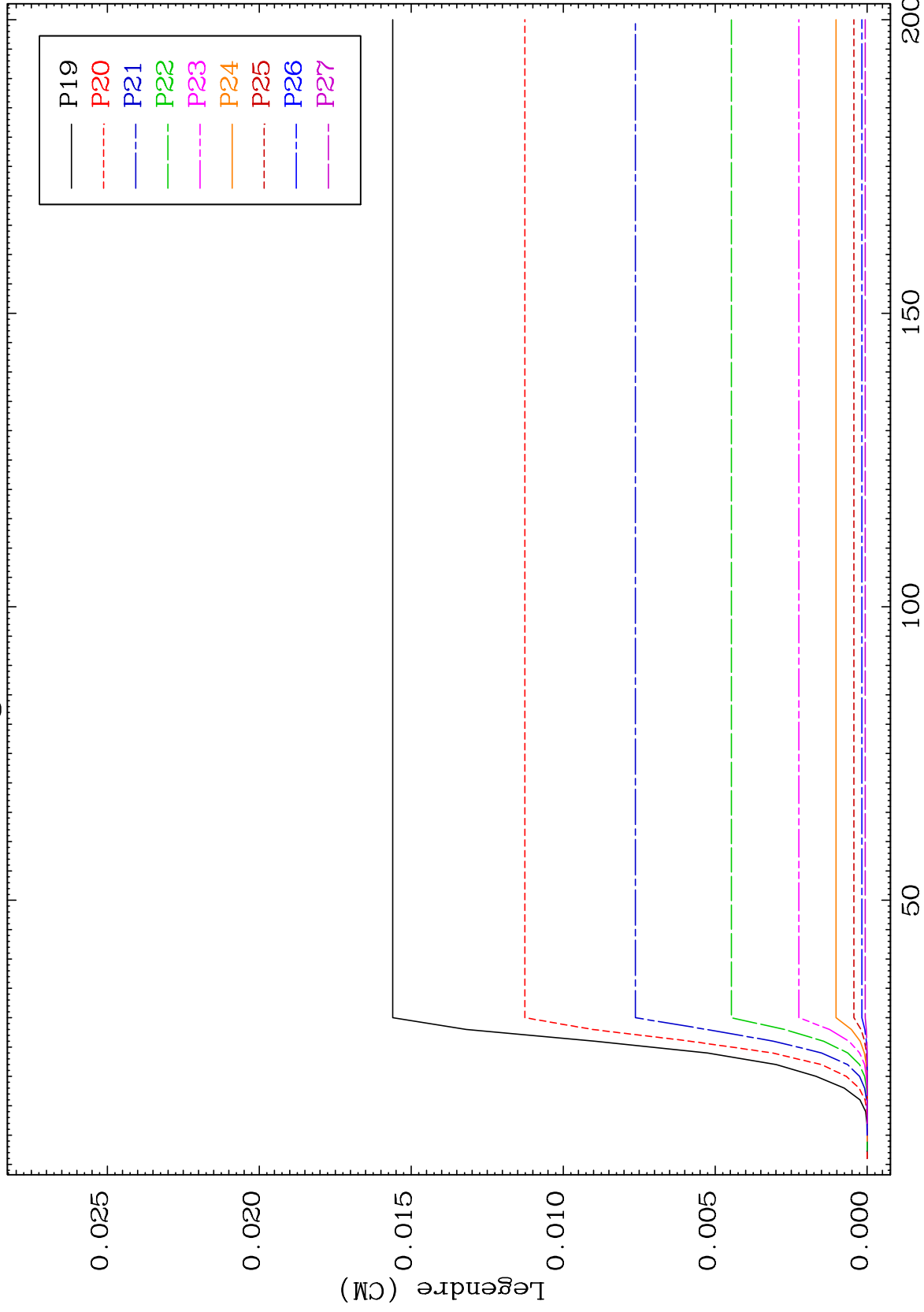
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

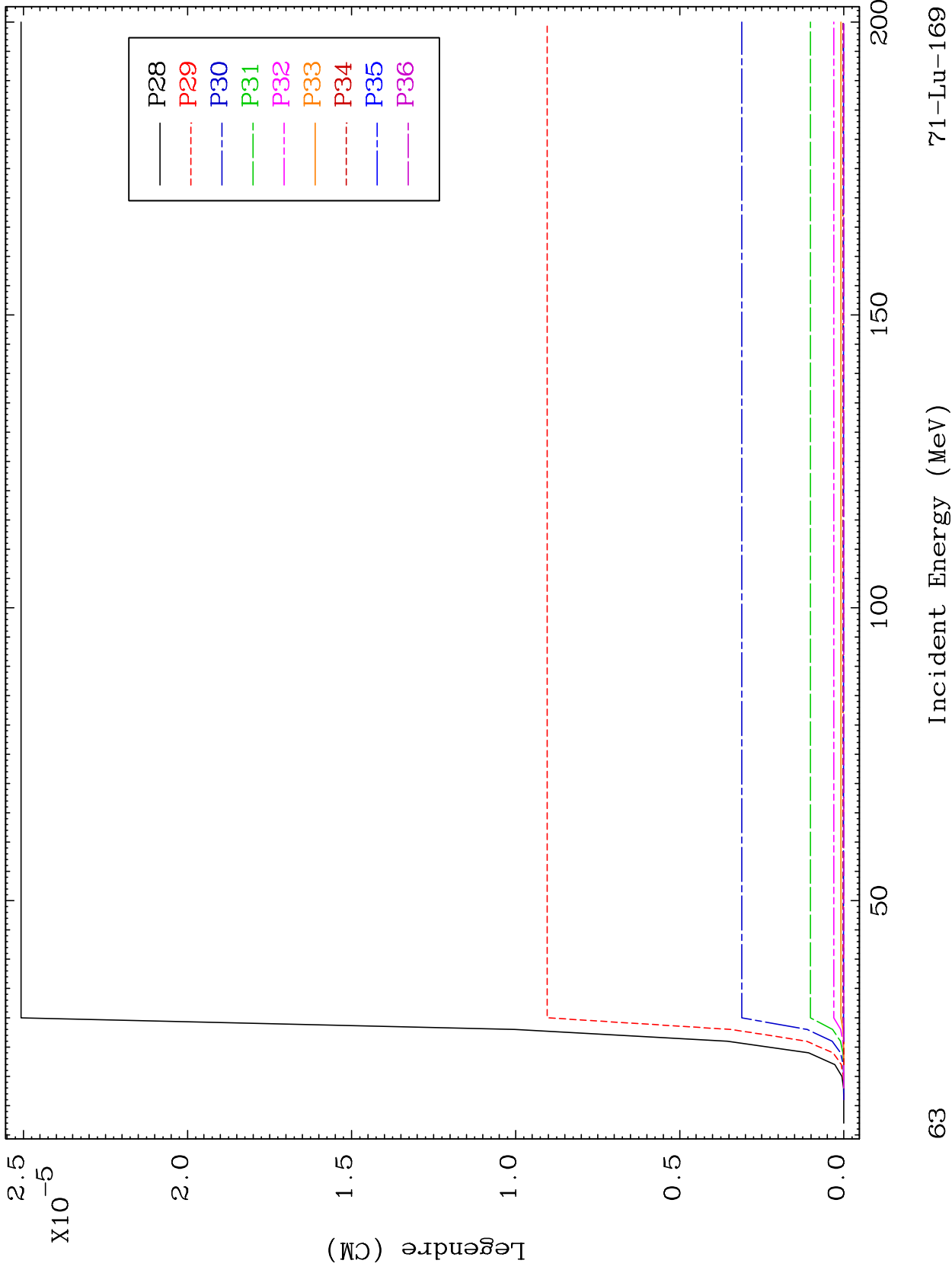
71-Lu-169



62

Incident Energy (MeV)

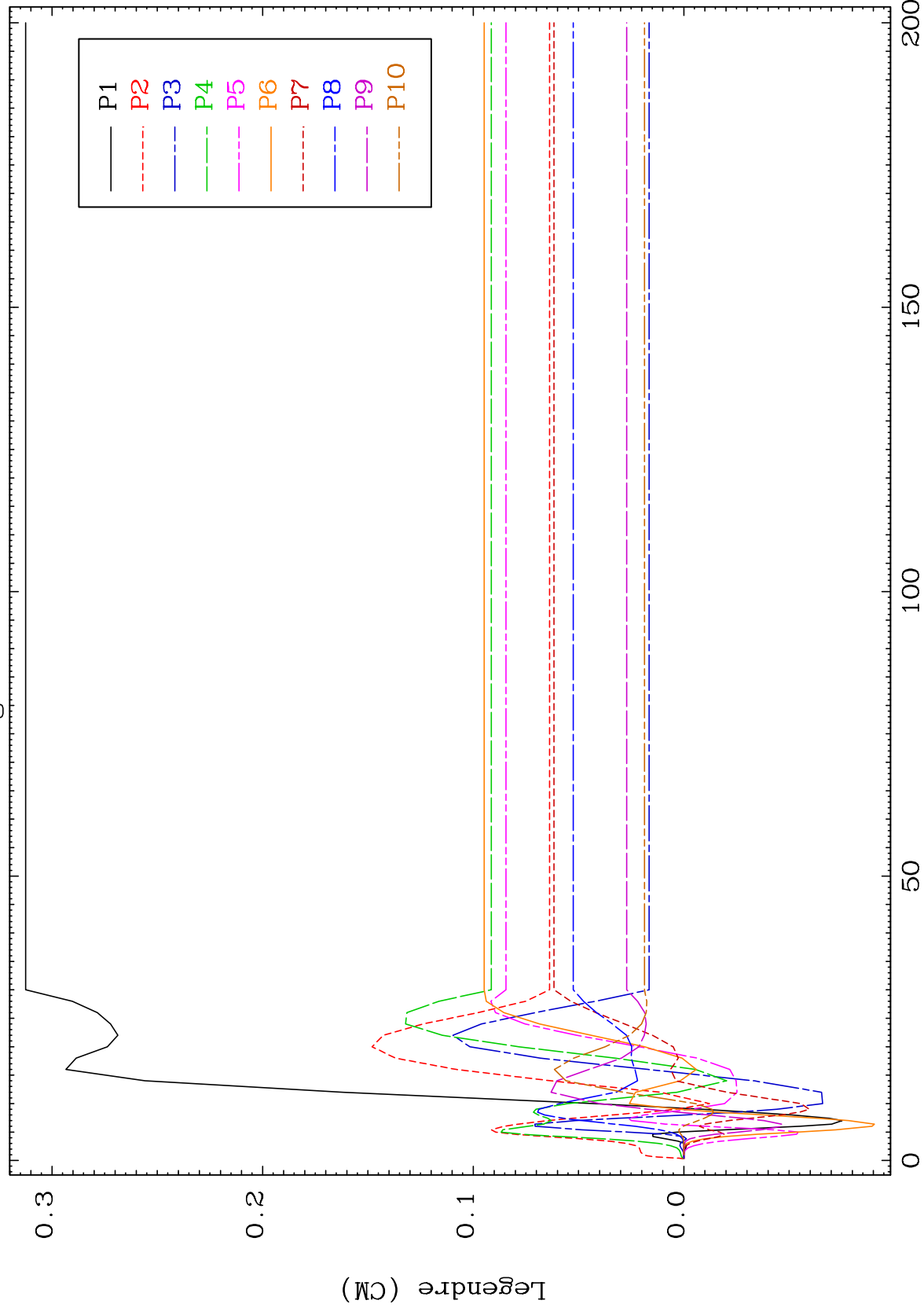
71-Lu-169



MAT 7107

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

71-Lu-169



64

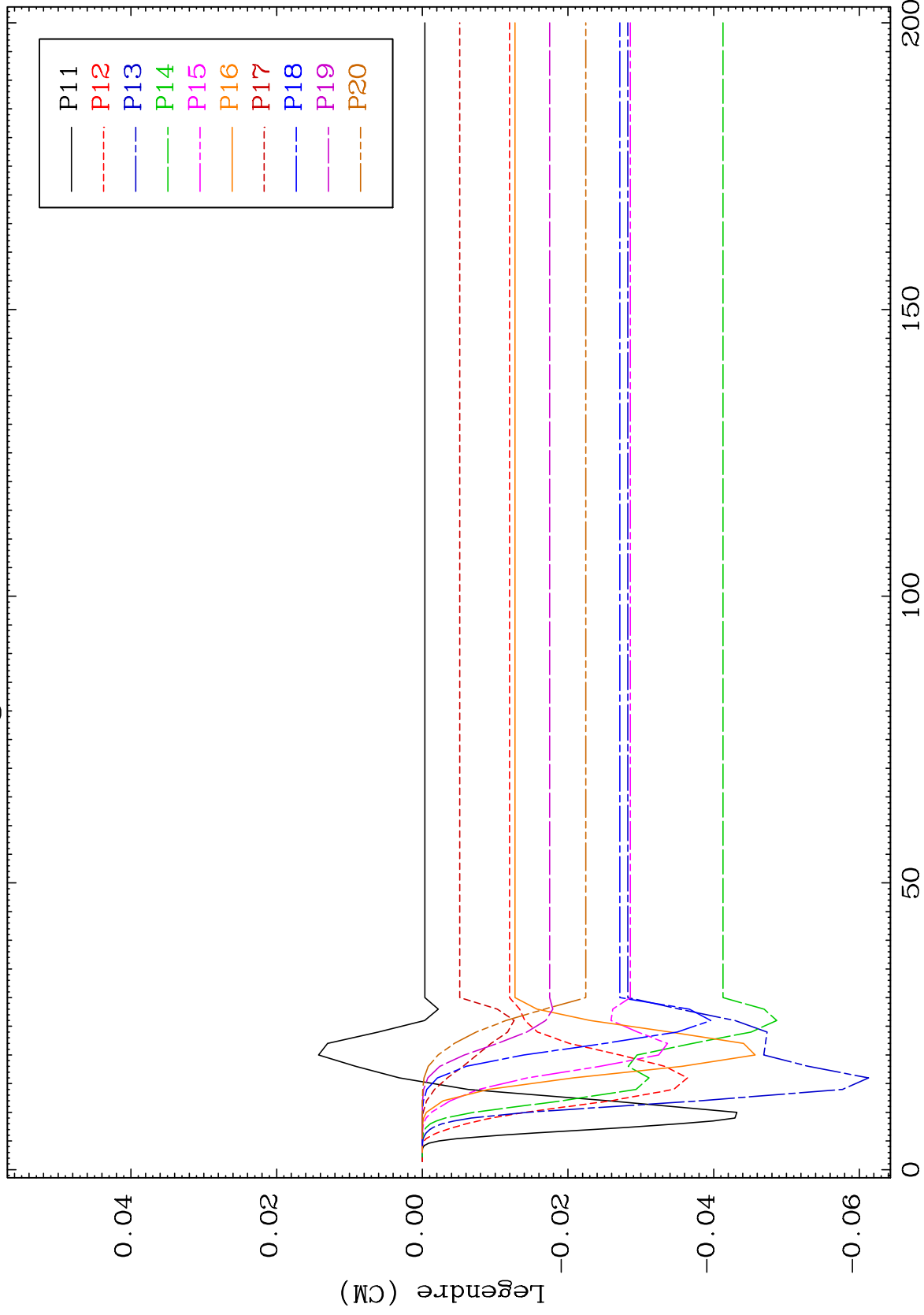
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

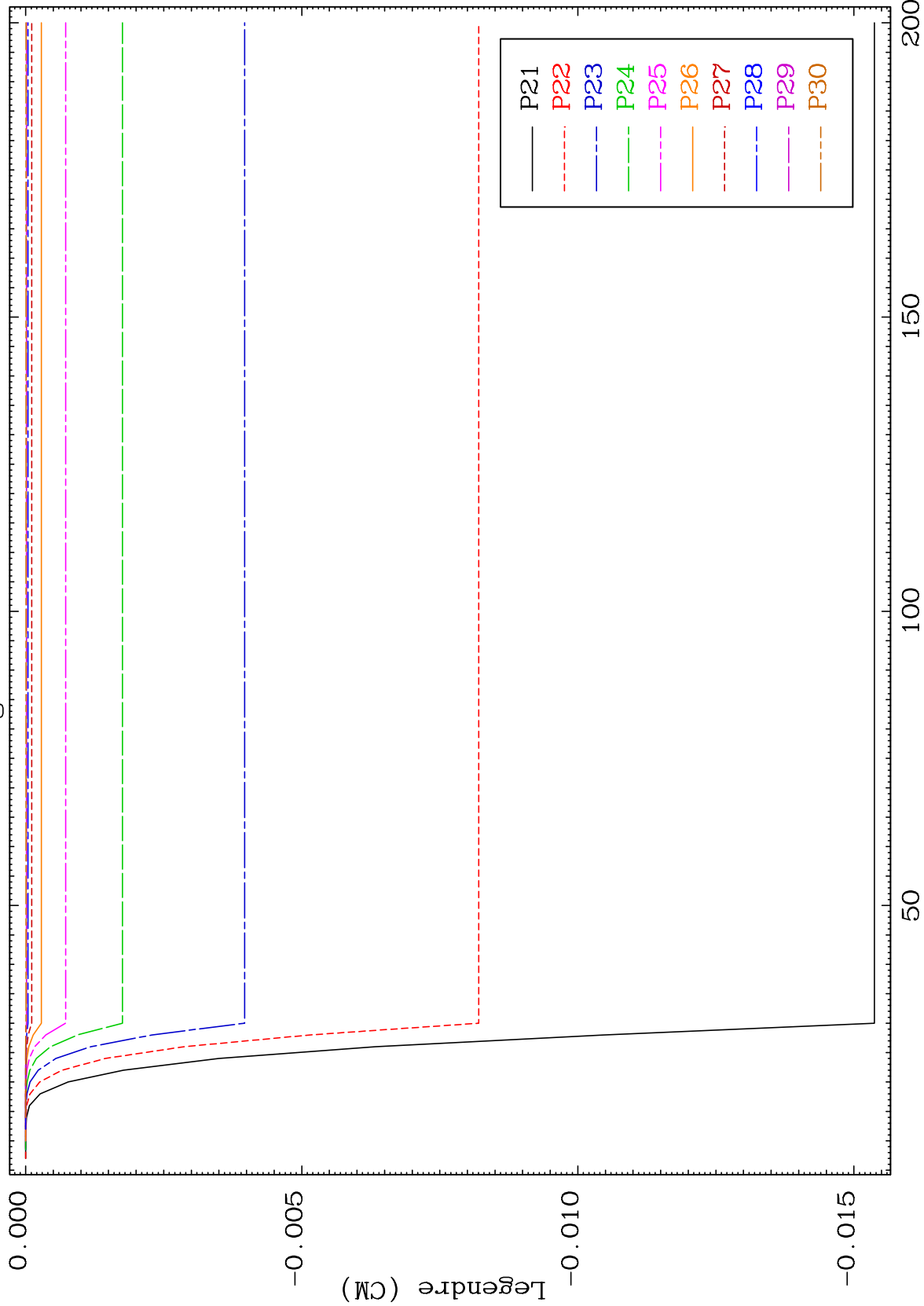
71-Lu-169

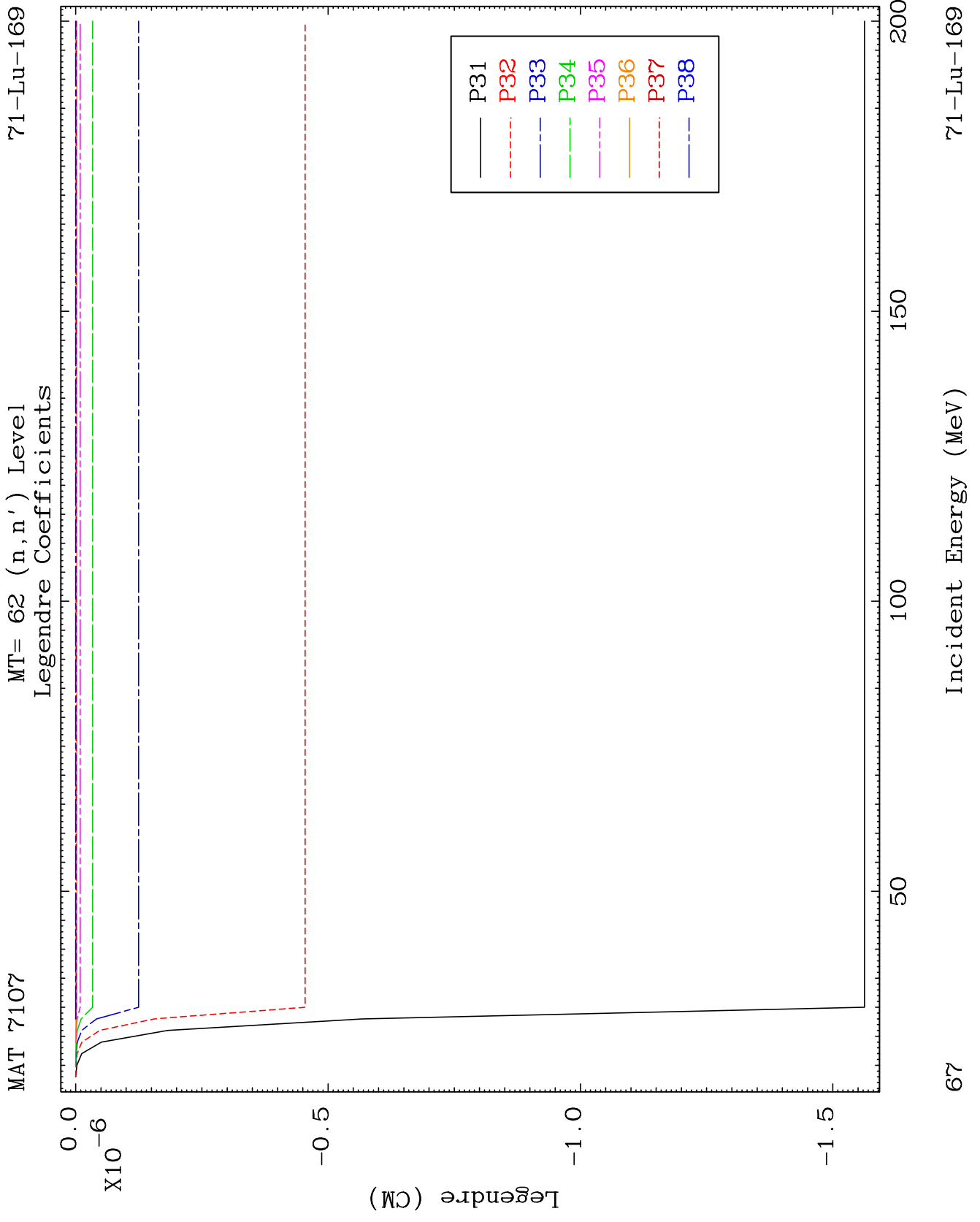


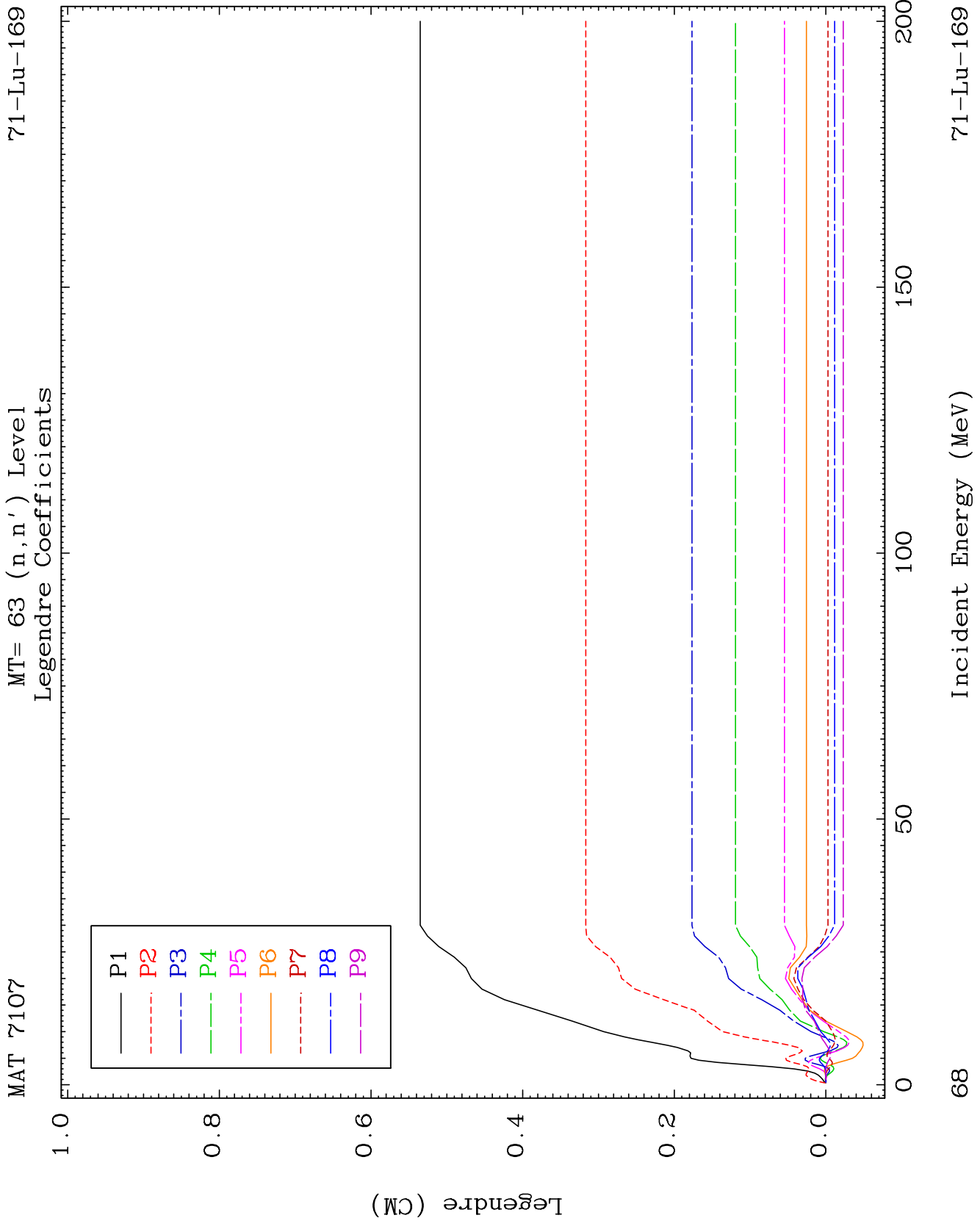
65

Incident Energy (MeV)

71-Lu-169



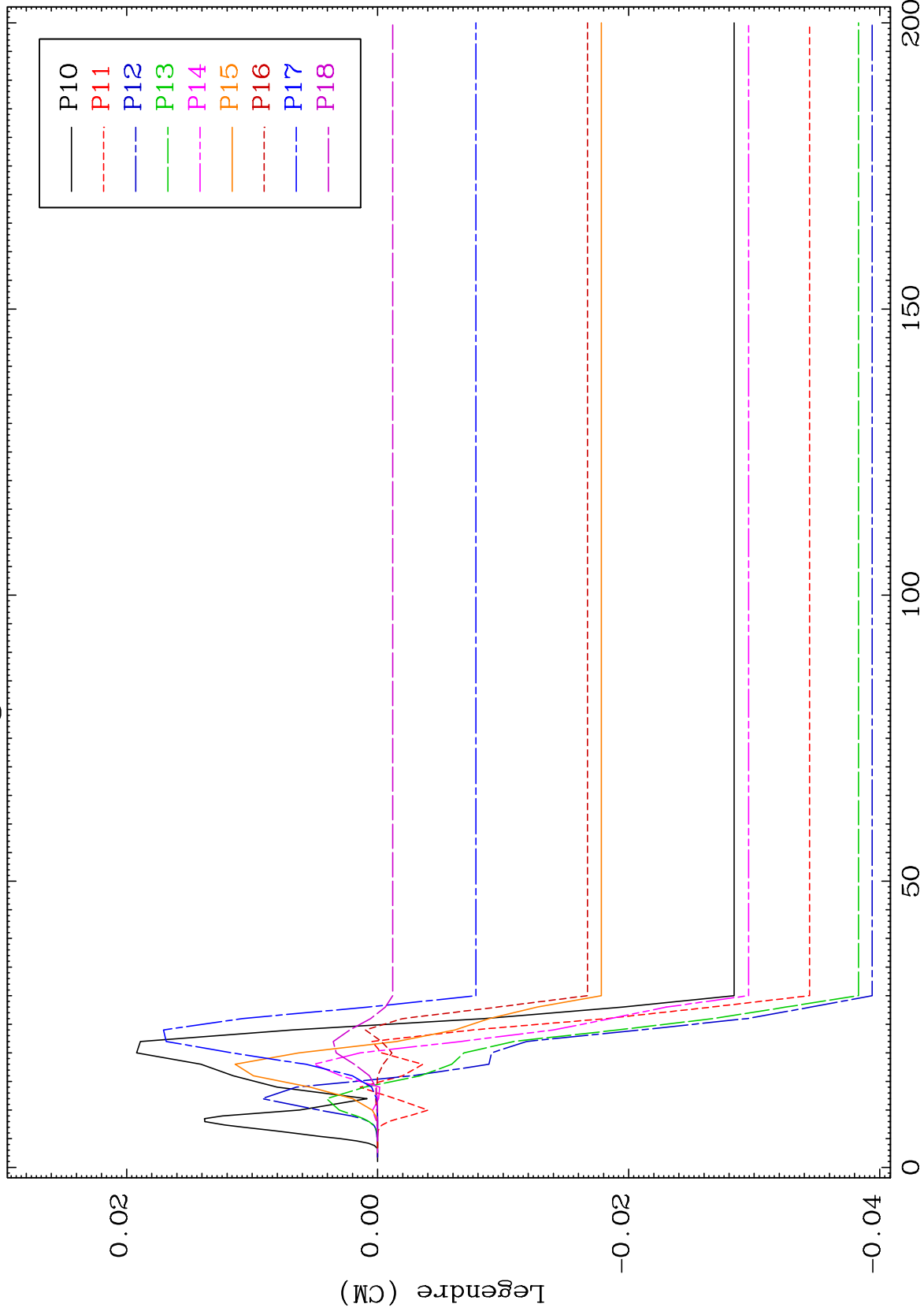




MAT 7107

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

71-Lu-169



69

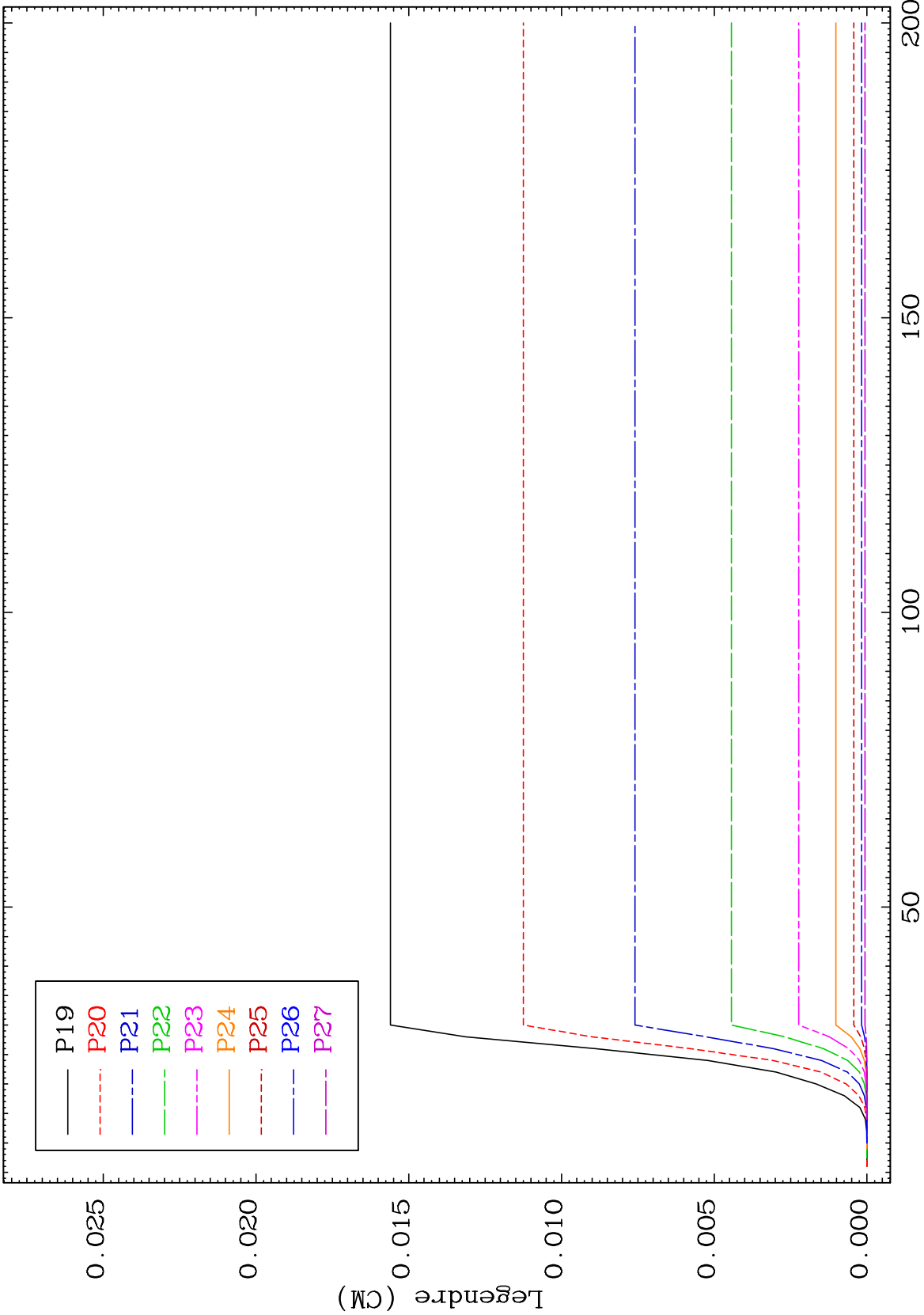
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



70

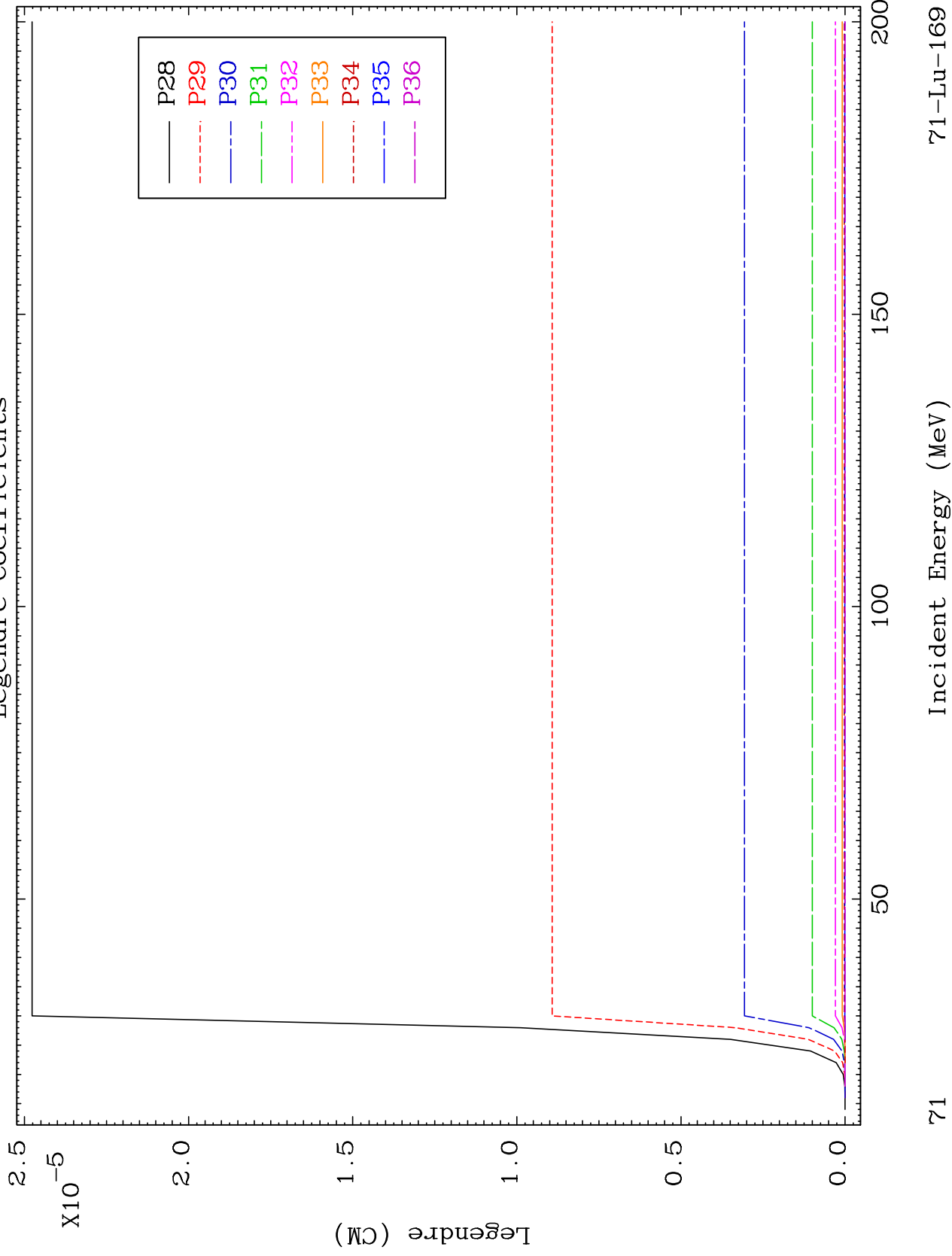
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169

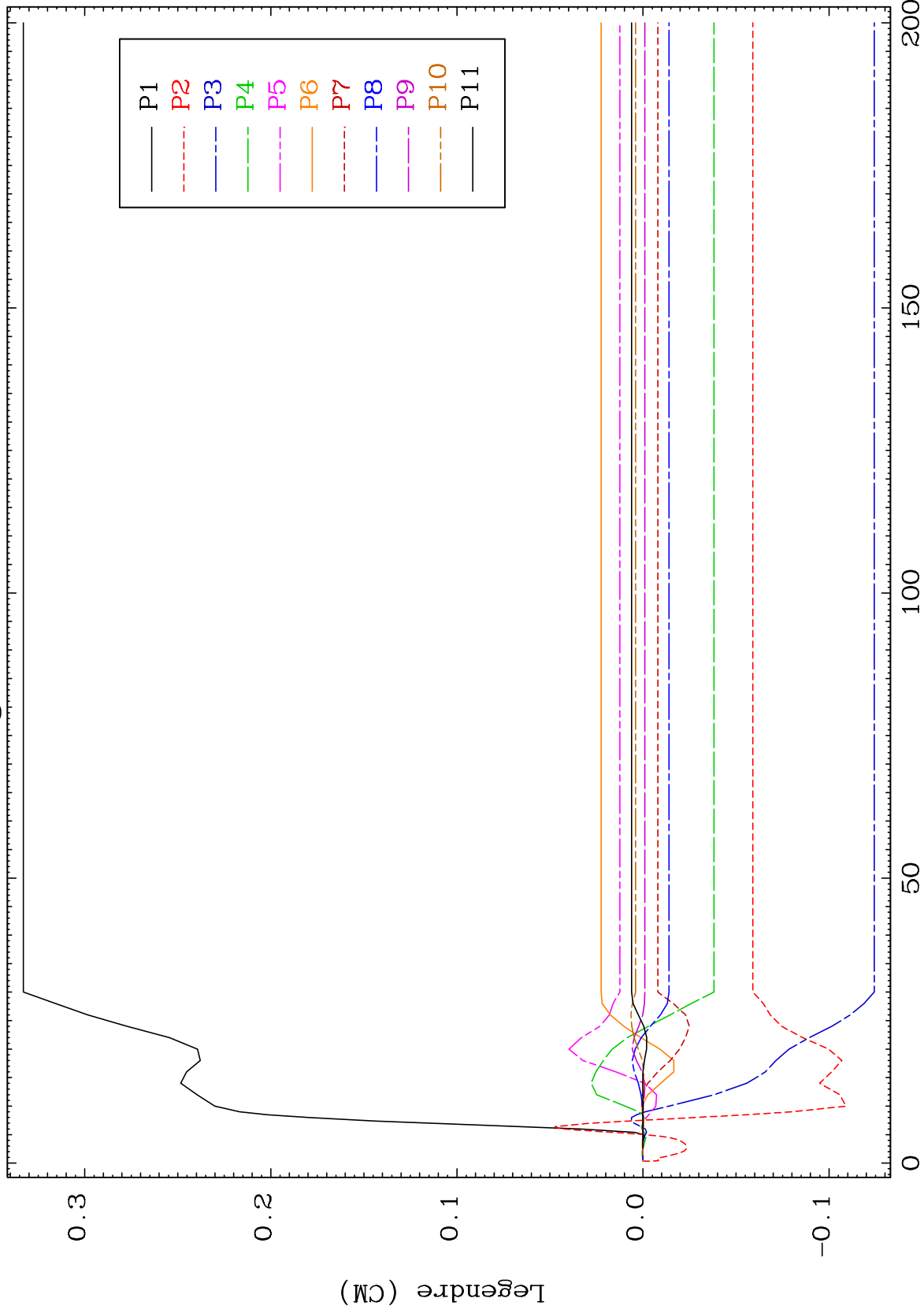


71

MAT 7107

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

71-Lu-169



72

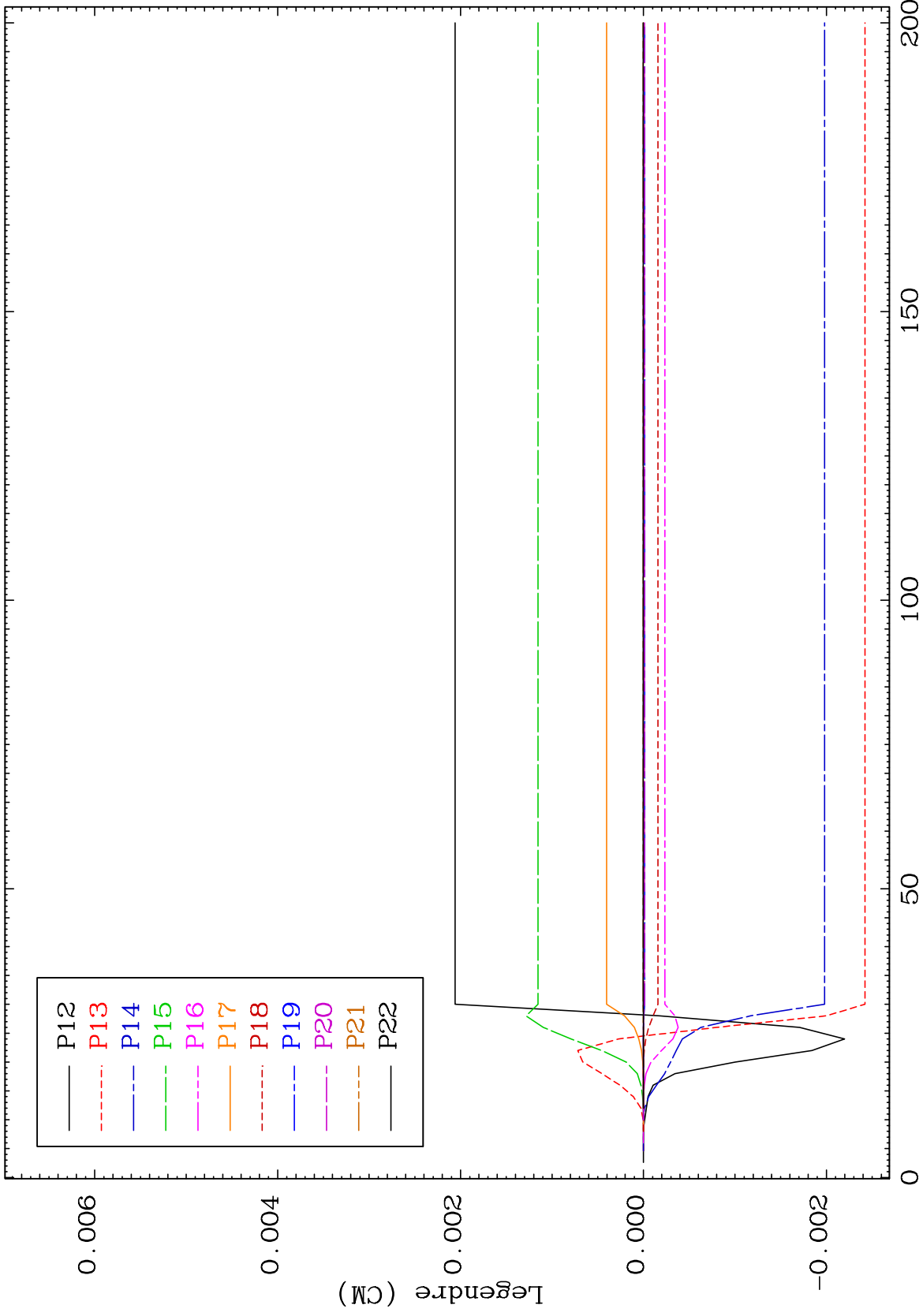
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



73

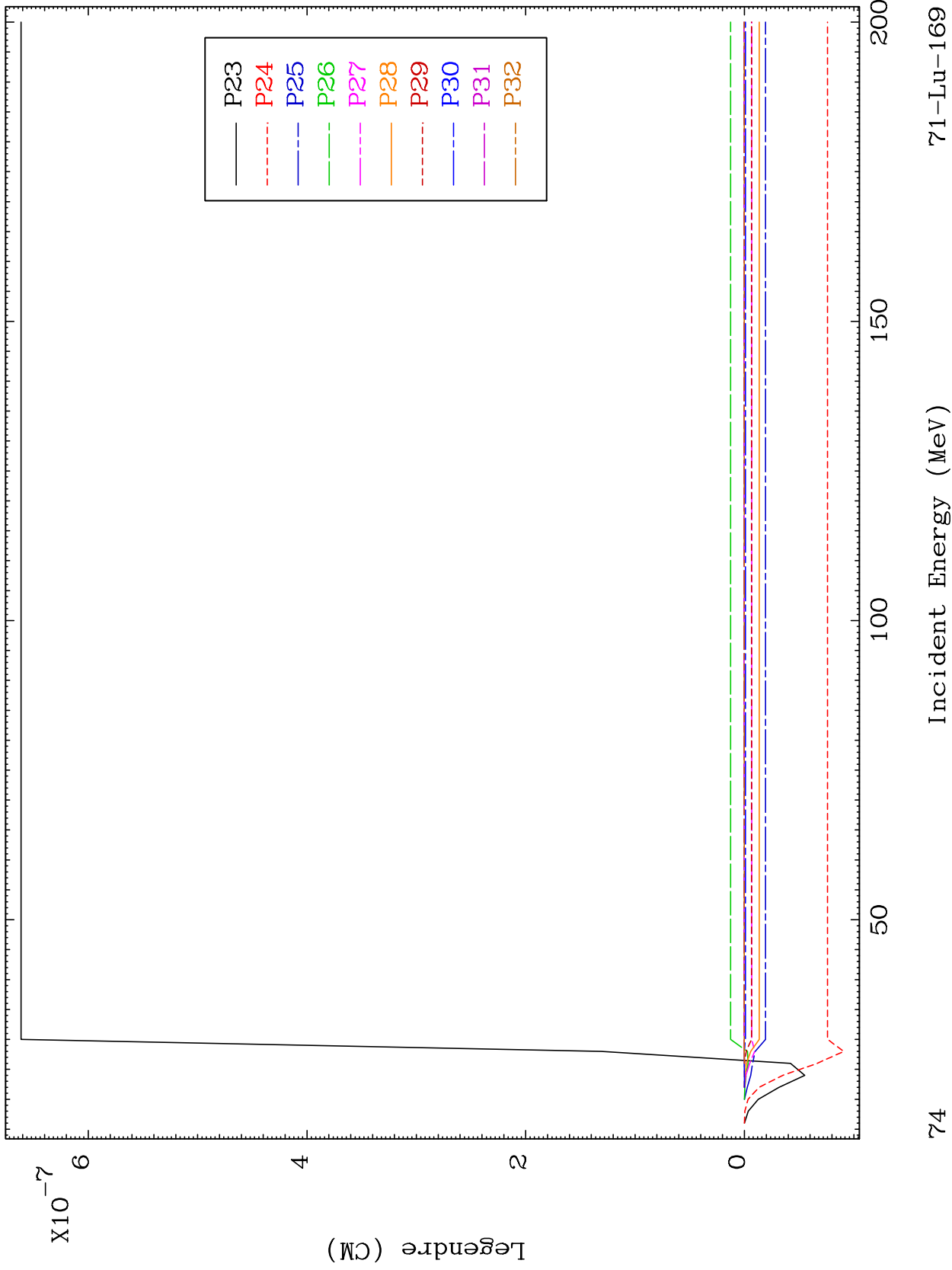
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



74

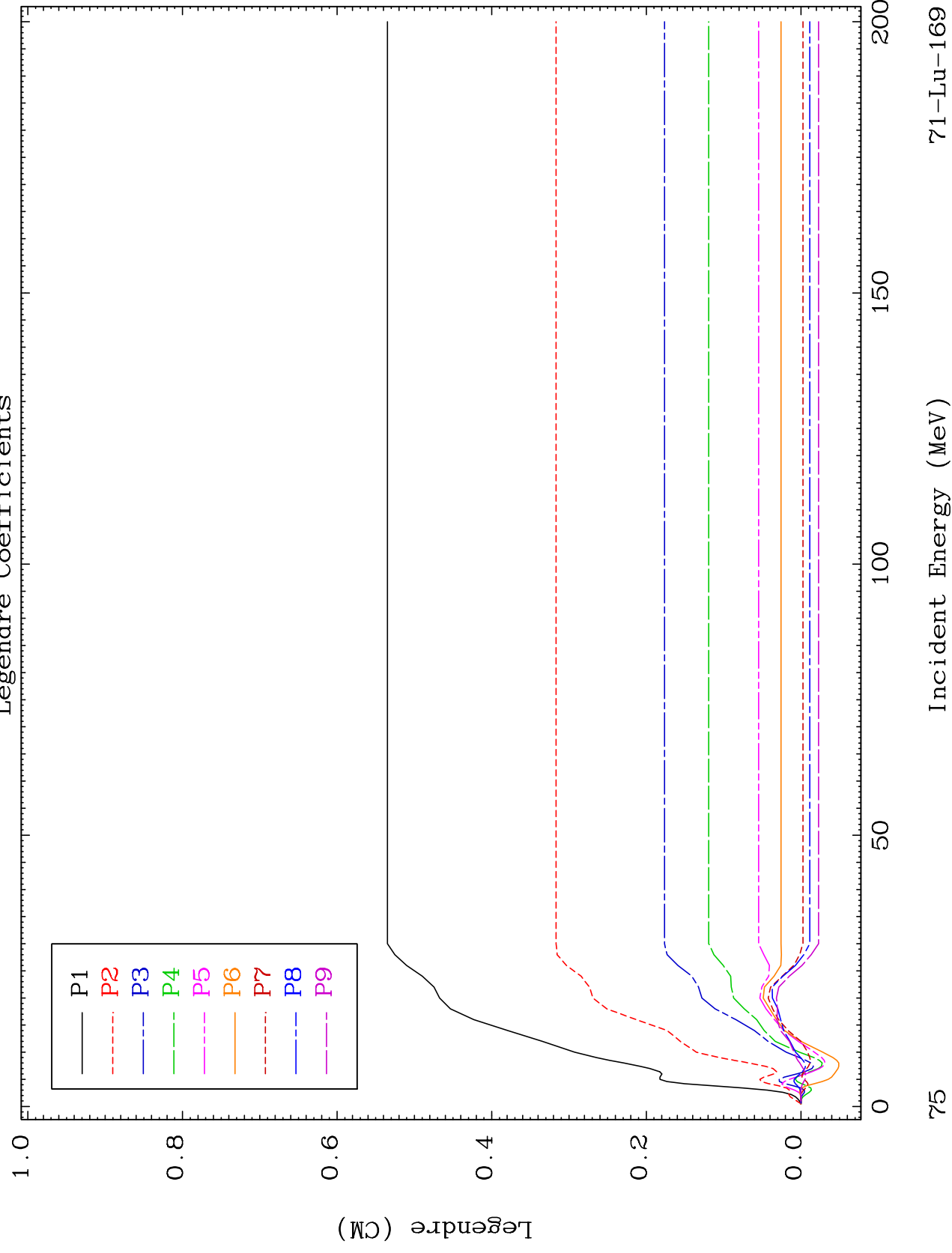
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

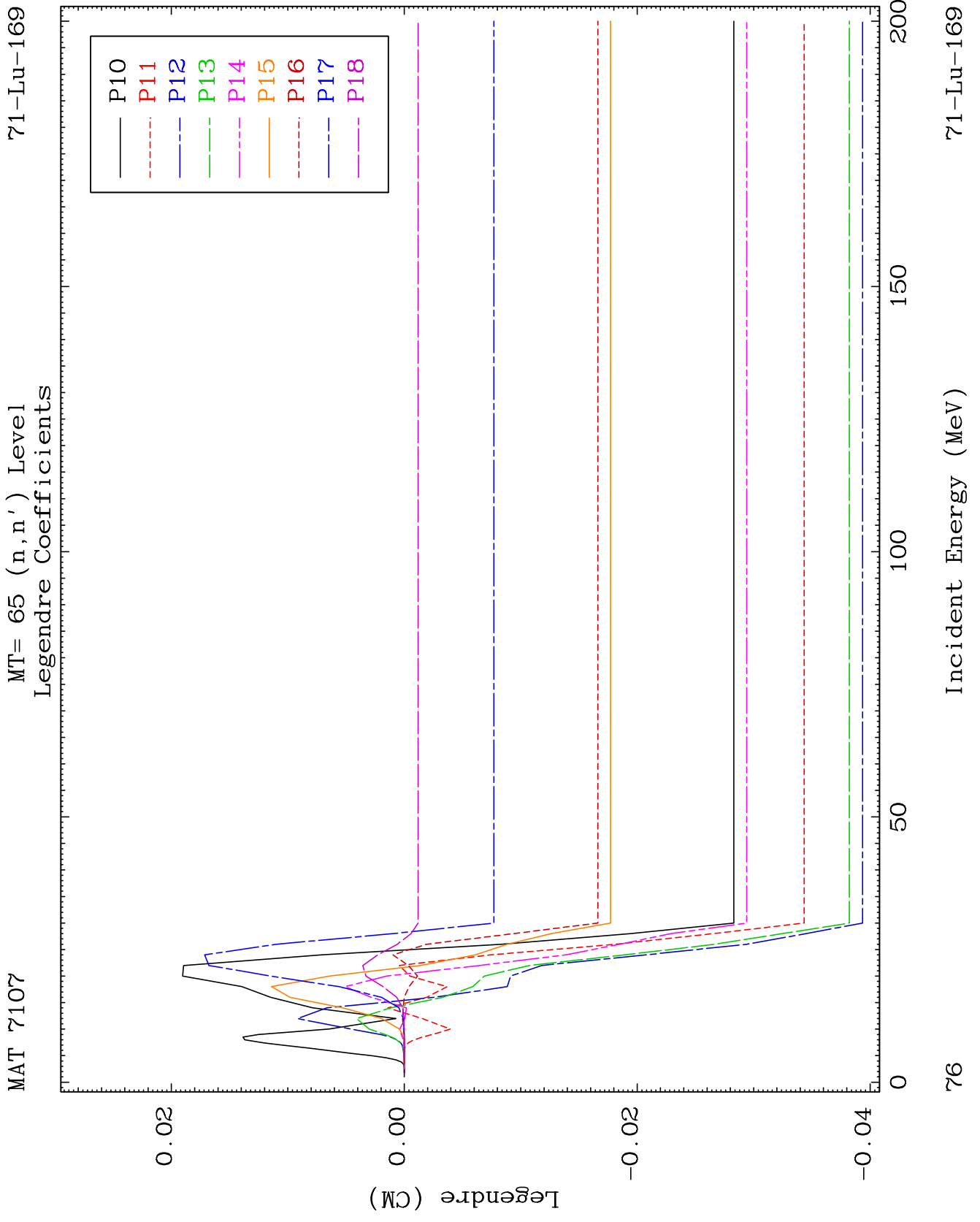
71-Lu-169



71-Lu-169

Incident Energy (MeV)

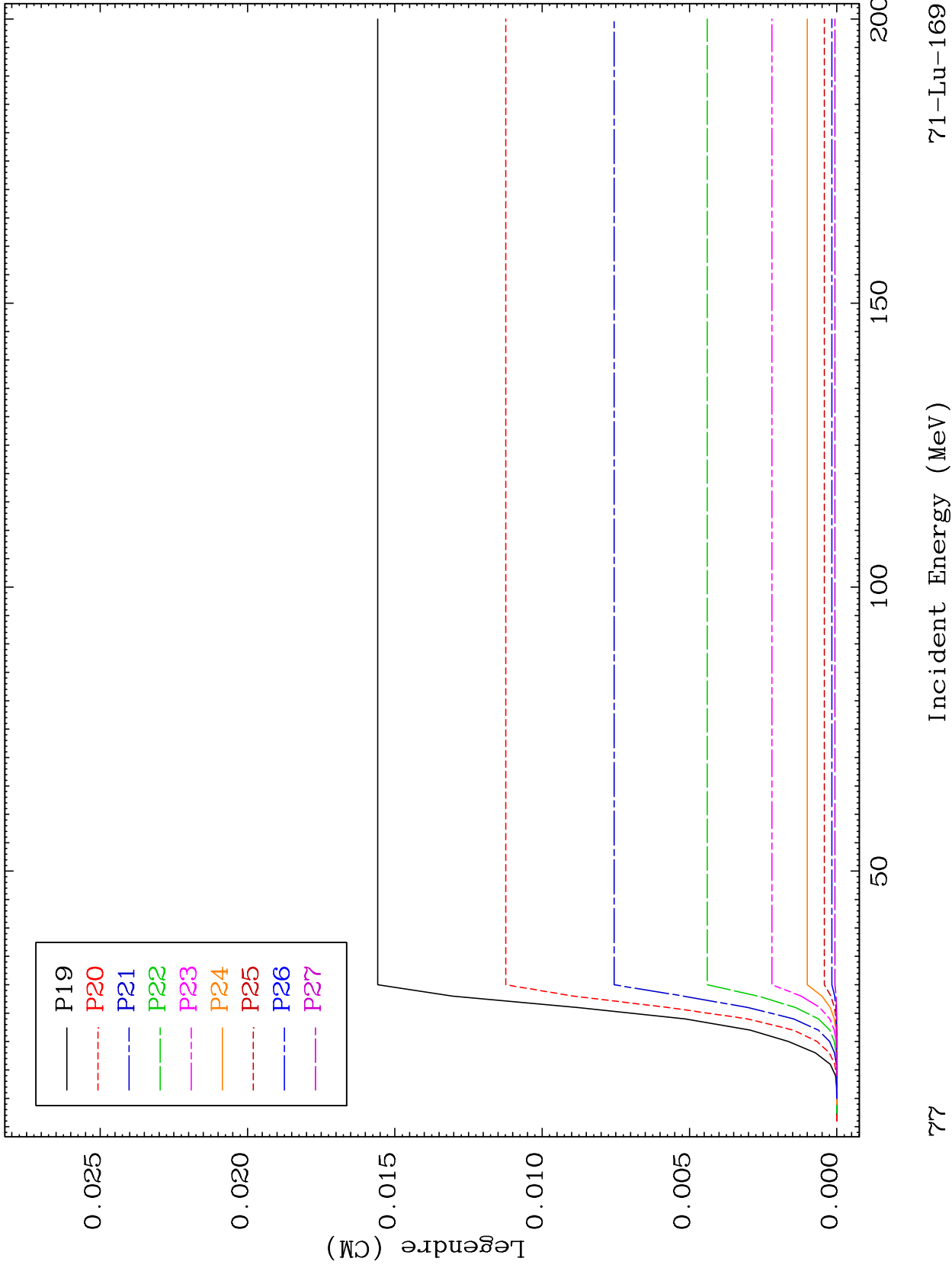
75



MAT 7107

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

71-Lu-169



77

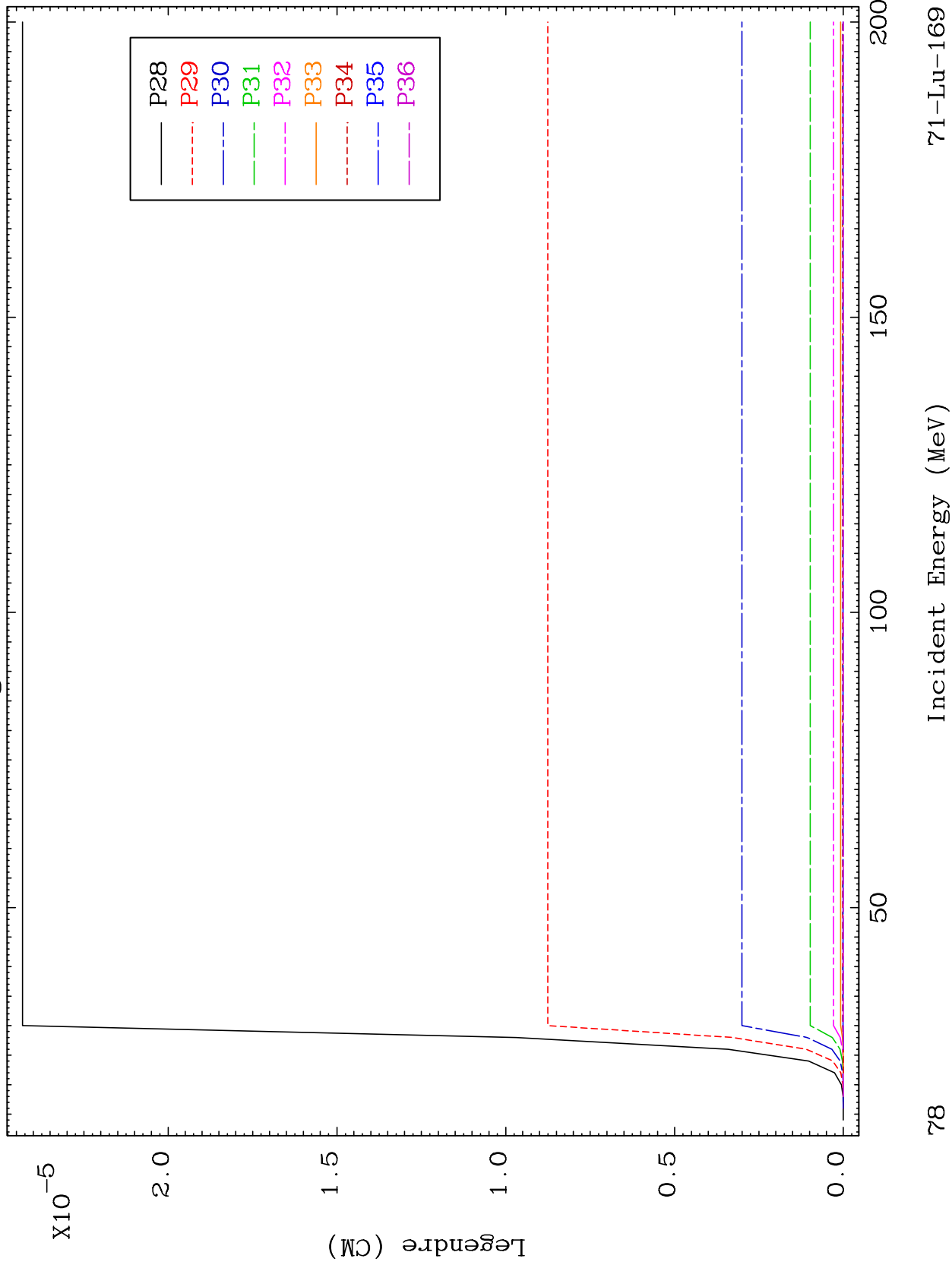
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169

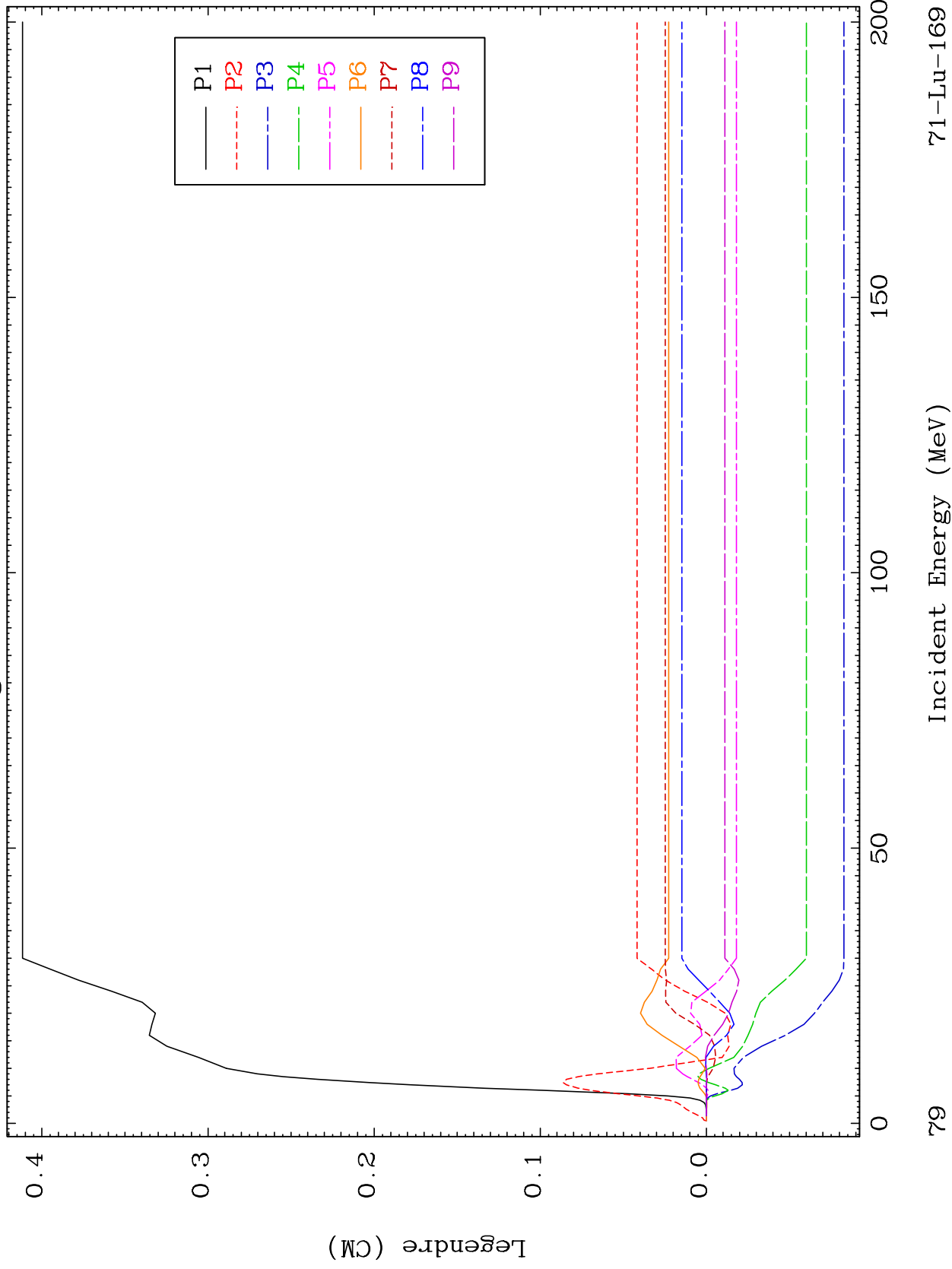


78

MAT 7107

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

71-Lu-169



79

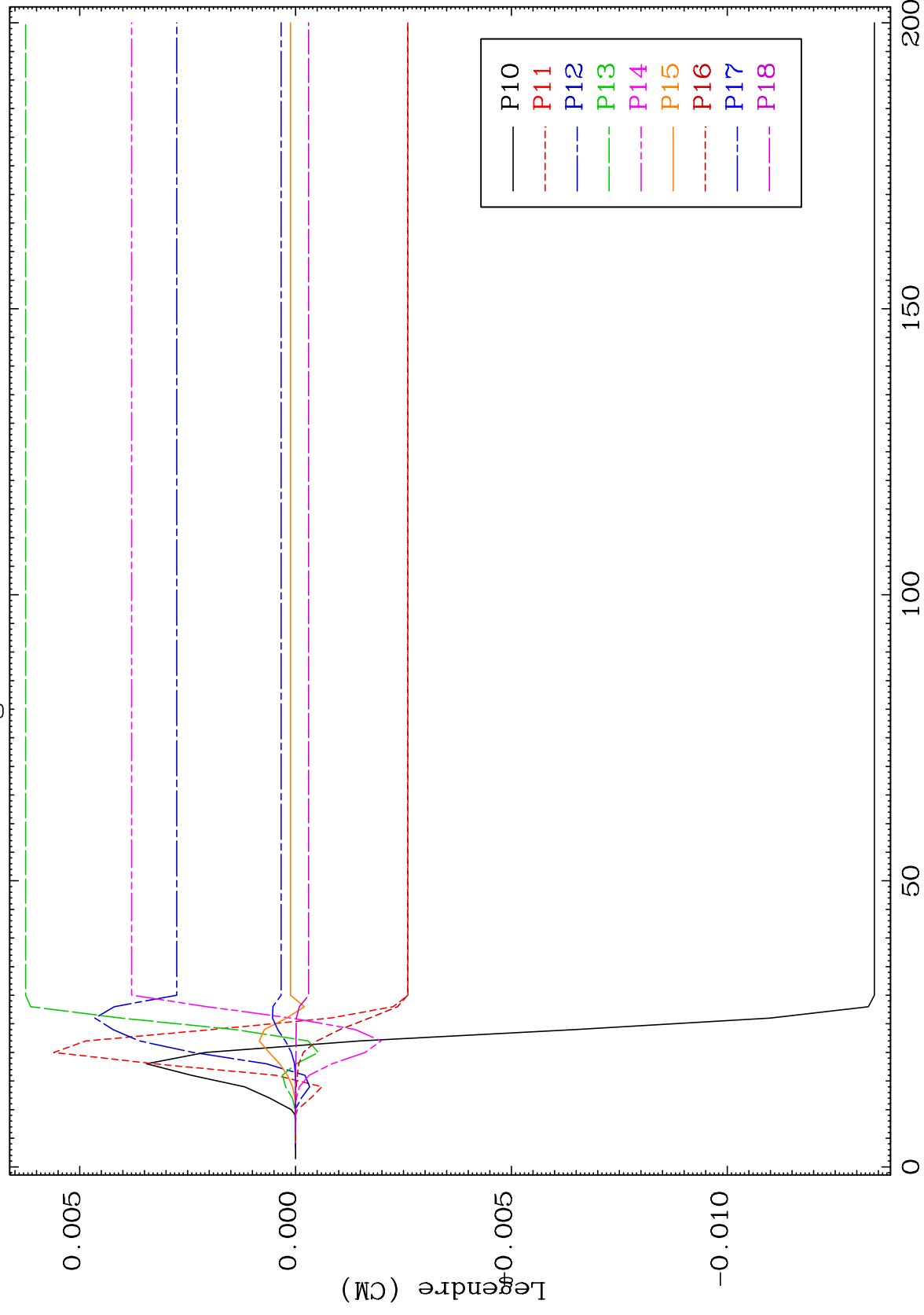
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



71-Lu-169

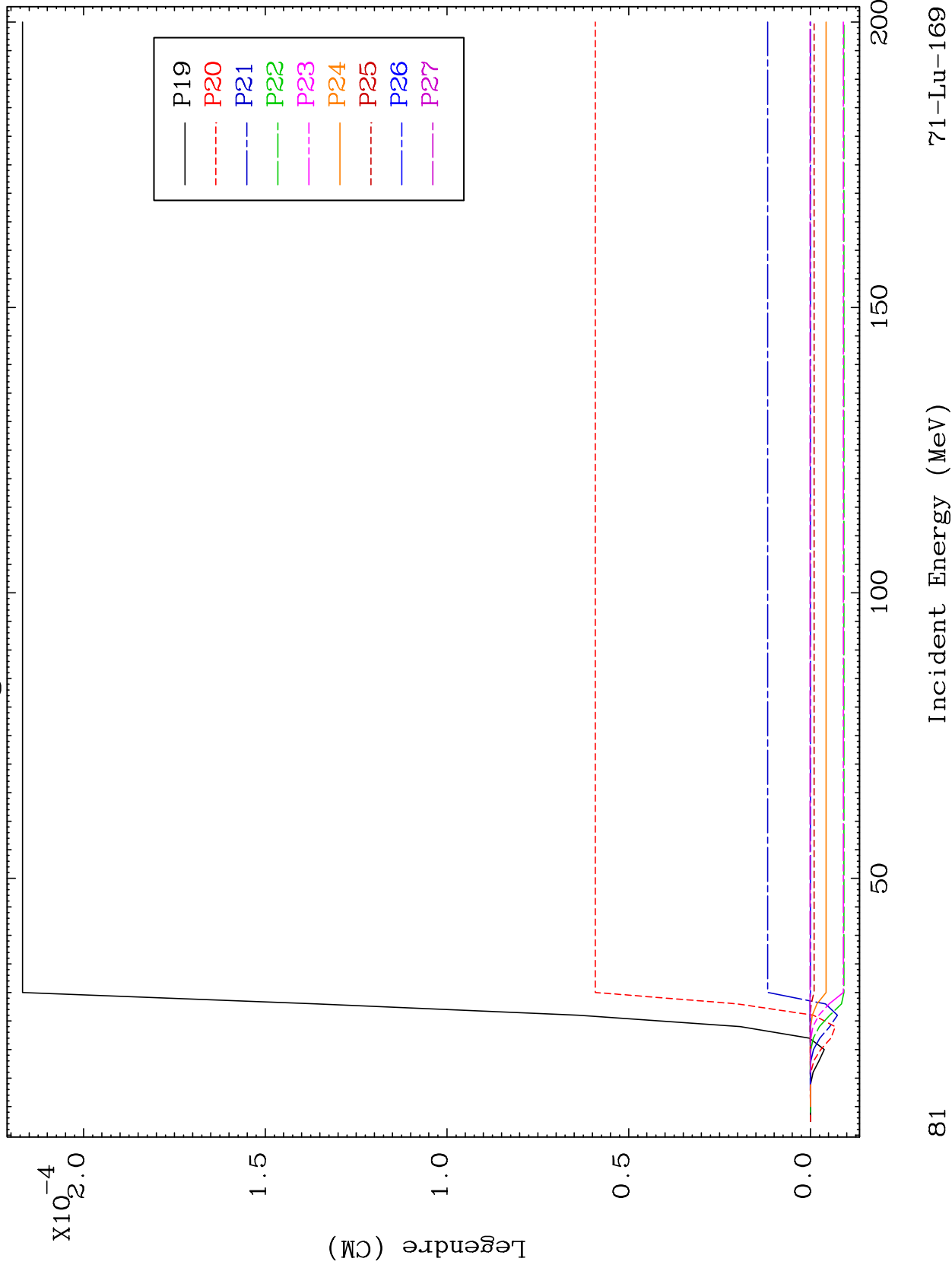
Incident Energy (MeV)

80

MAT 7107

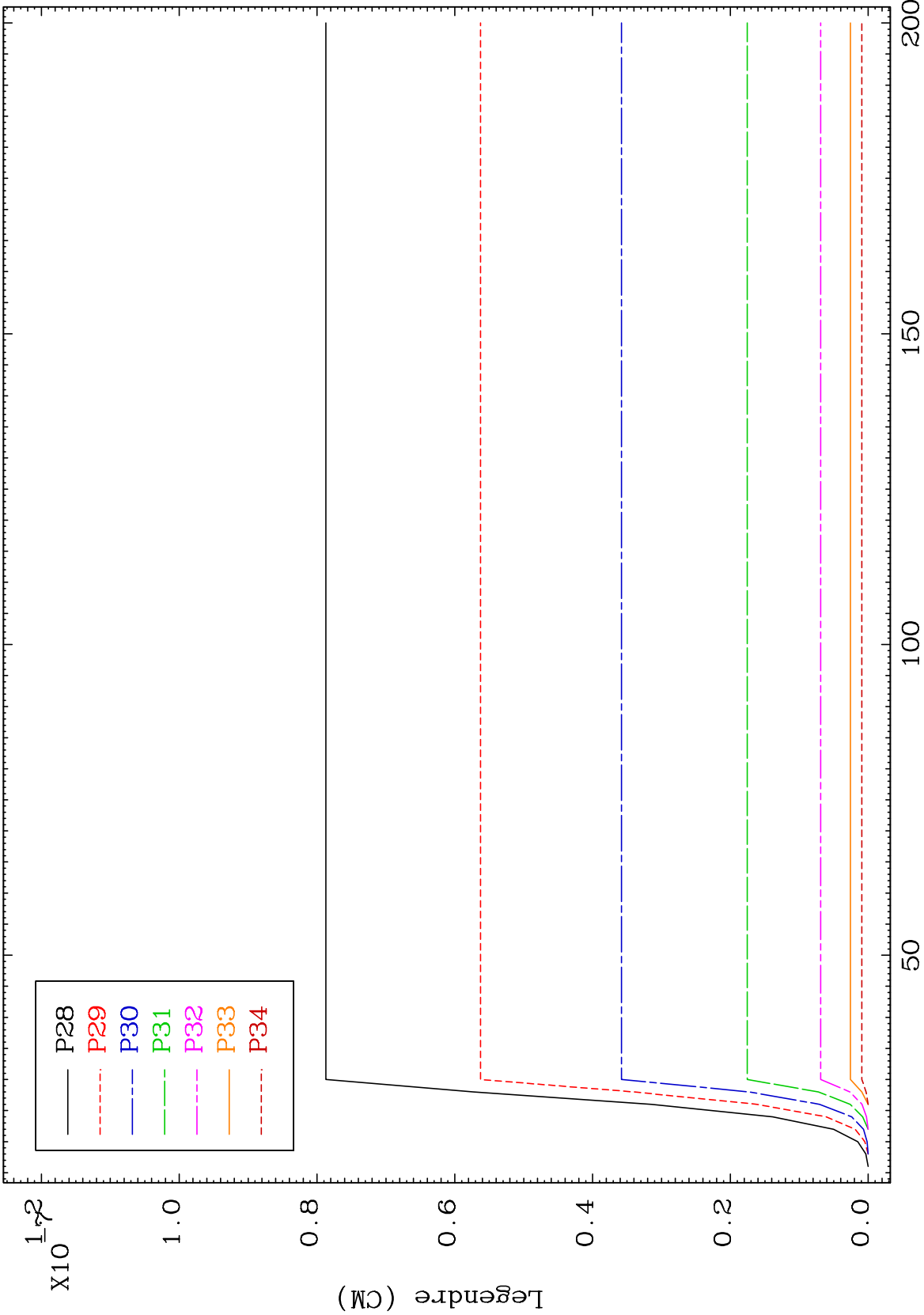
MT= 66 (n,n') Level
Legendre Coefficients

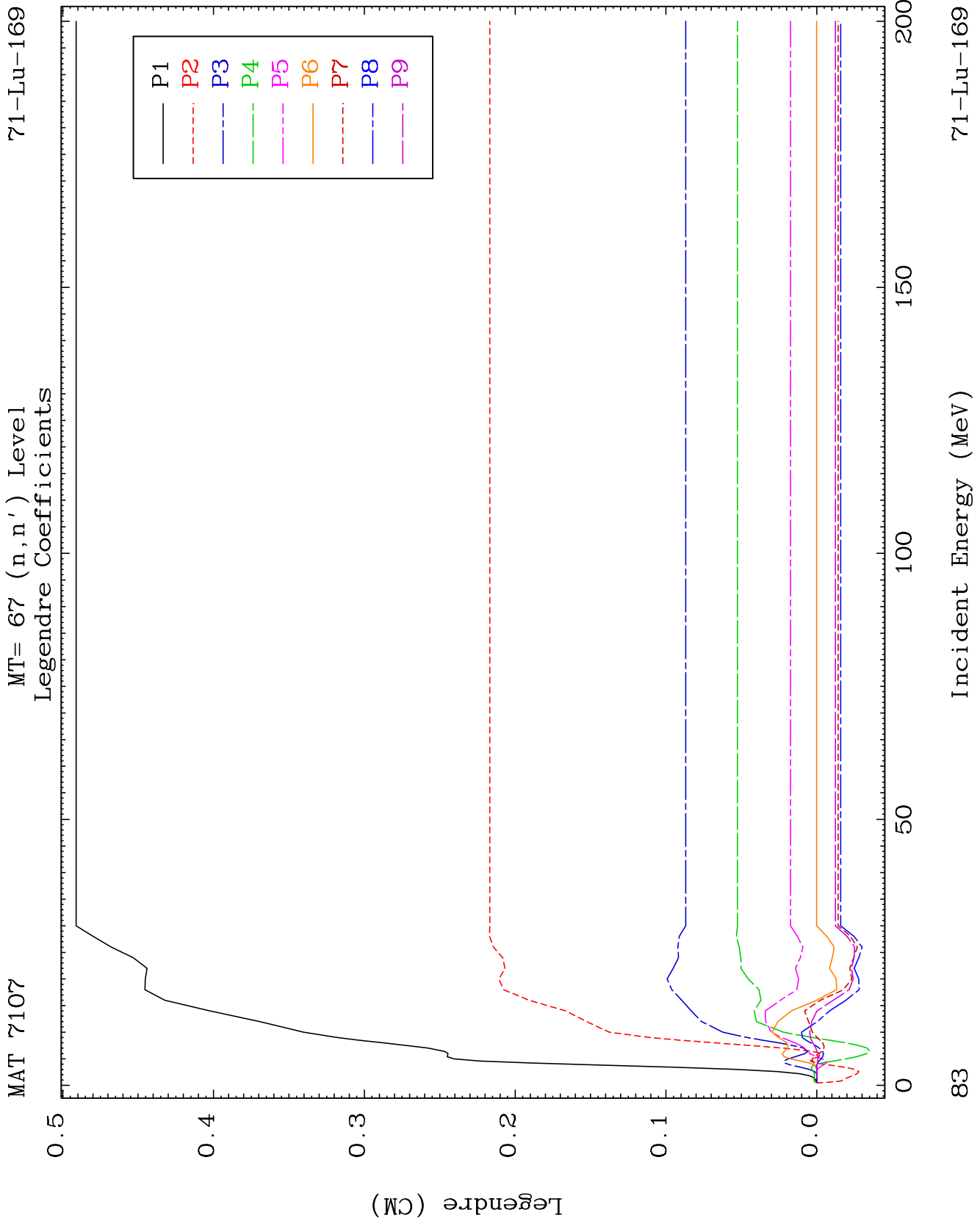
71-Lu-169

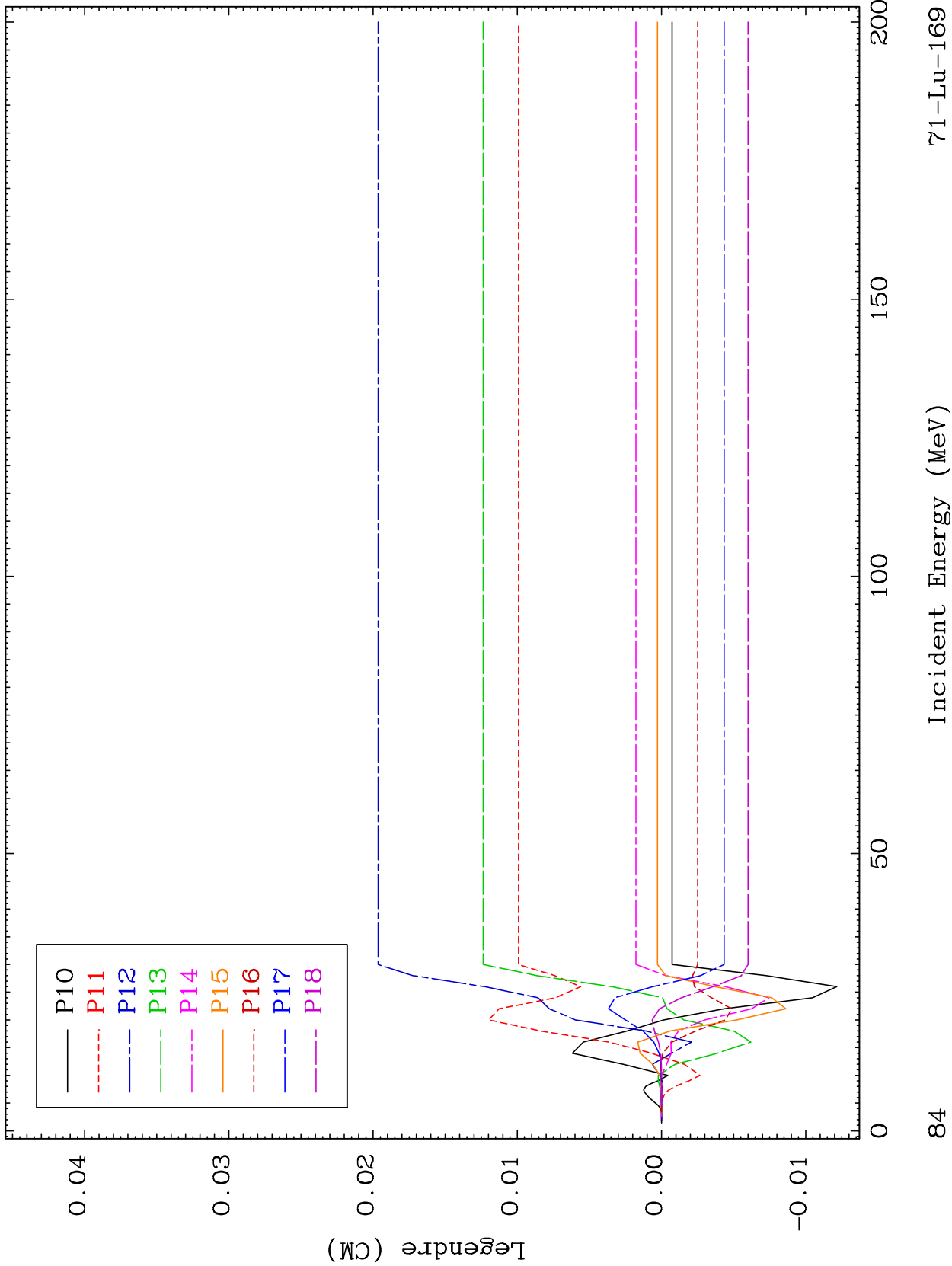


81

71-Lu-169



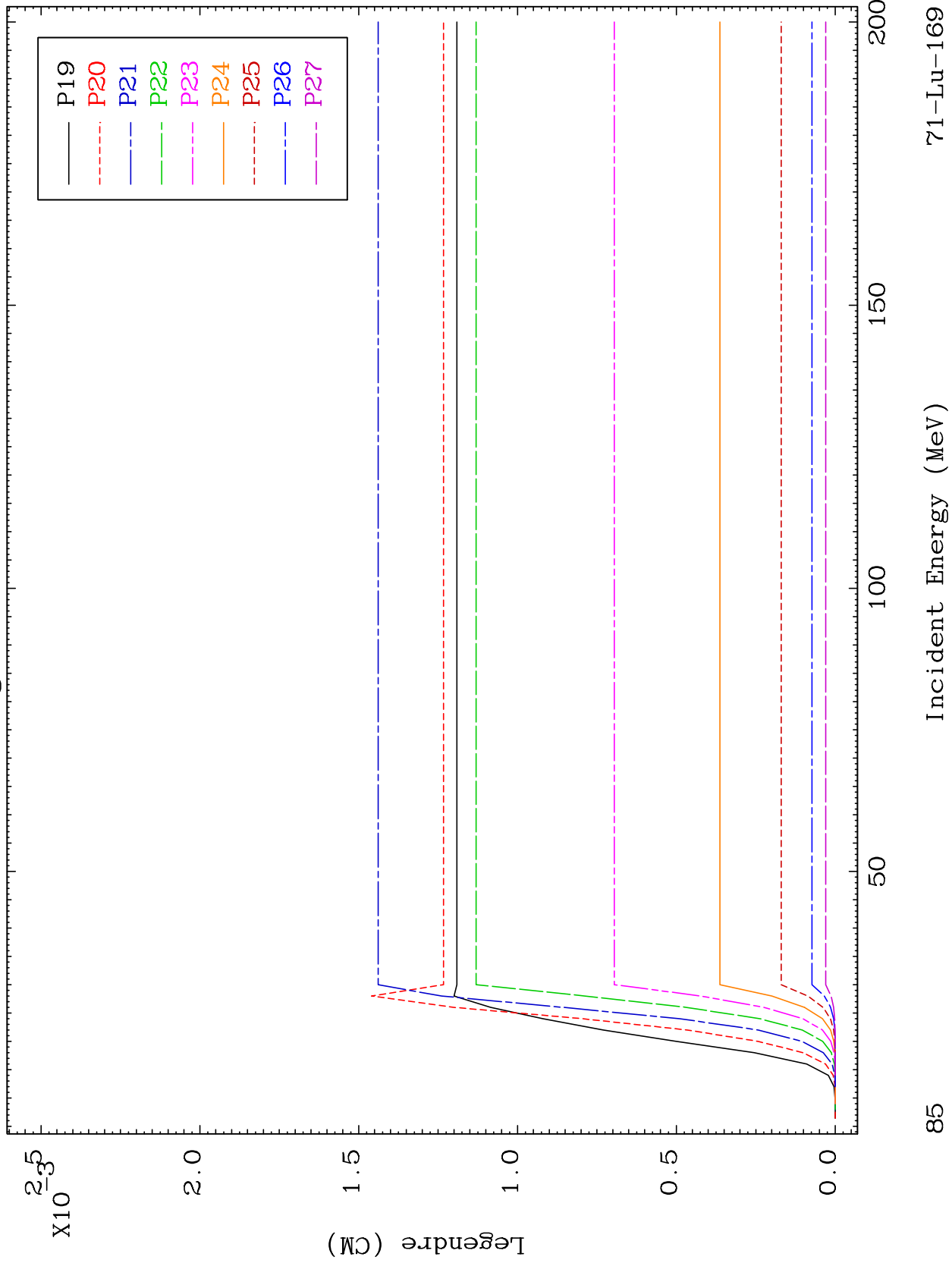




MAT 7107

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

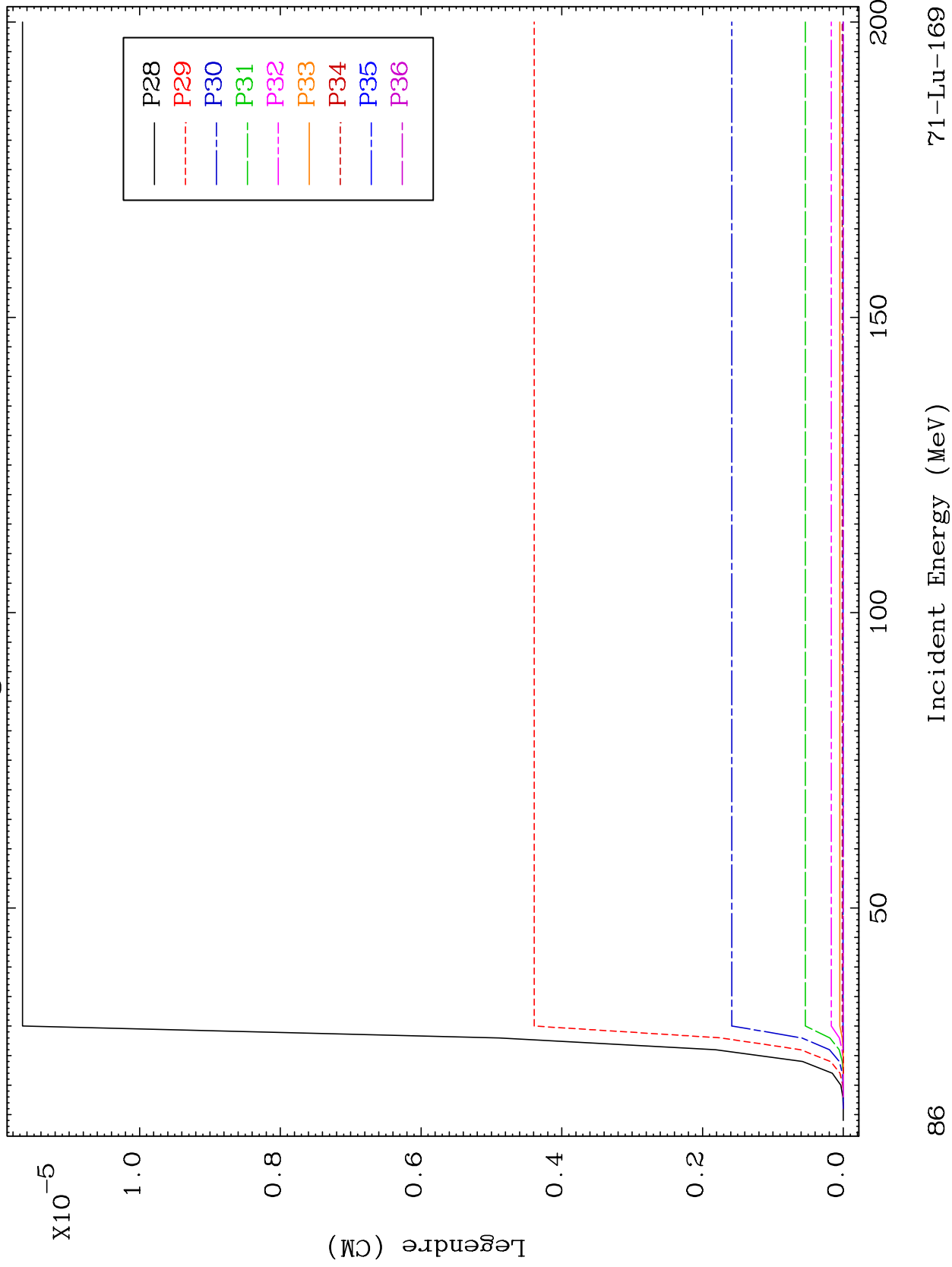
71-Lu-169



MAT 7107

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

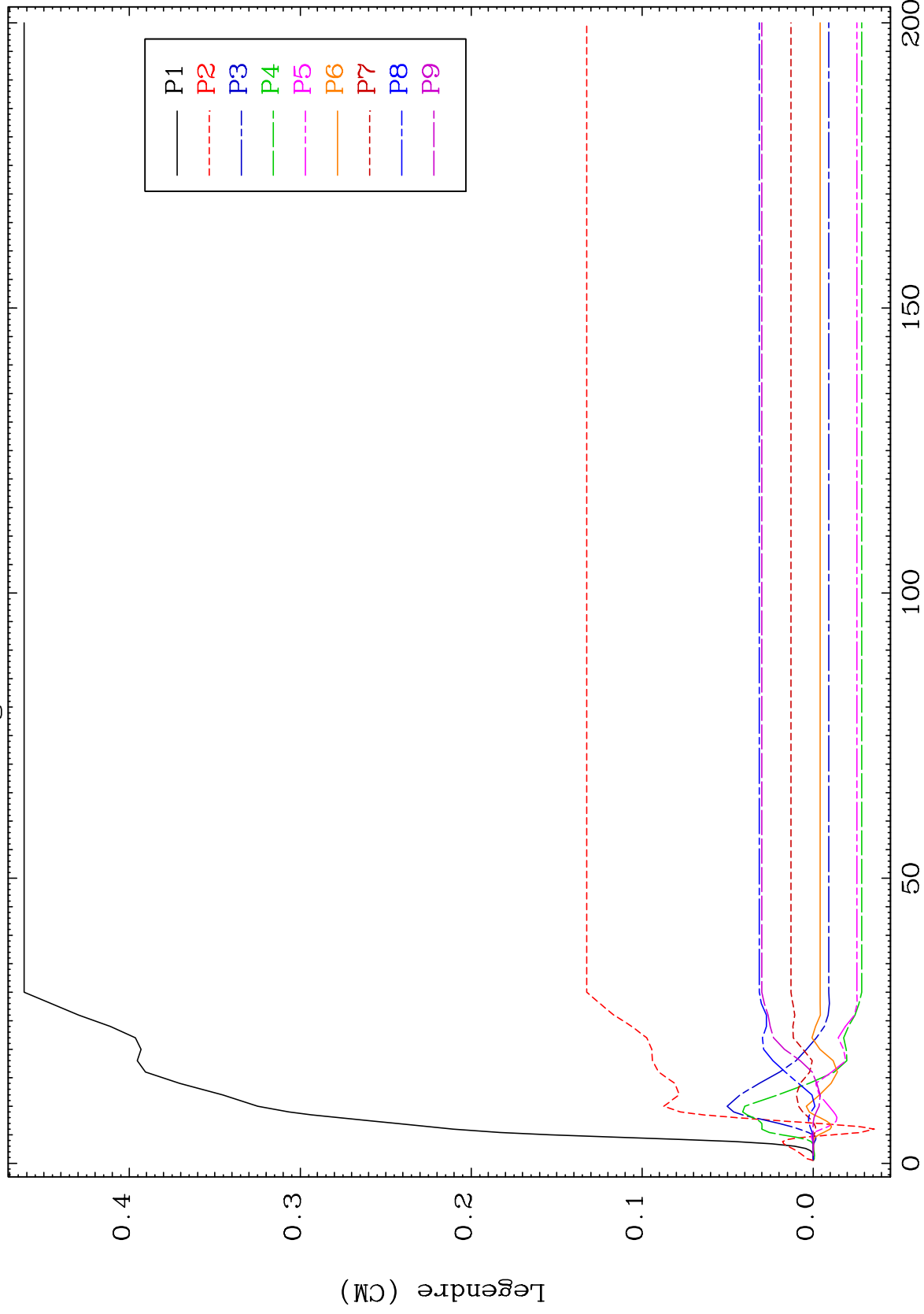
71-Lu-169



MAT 7107

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

71-Lu-169



87

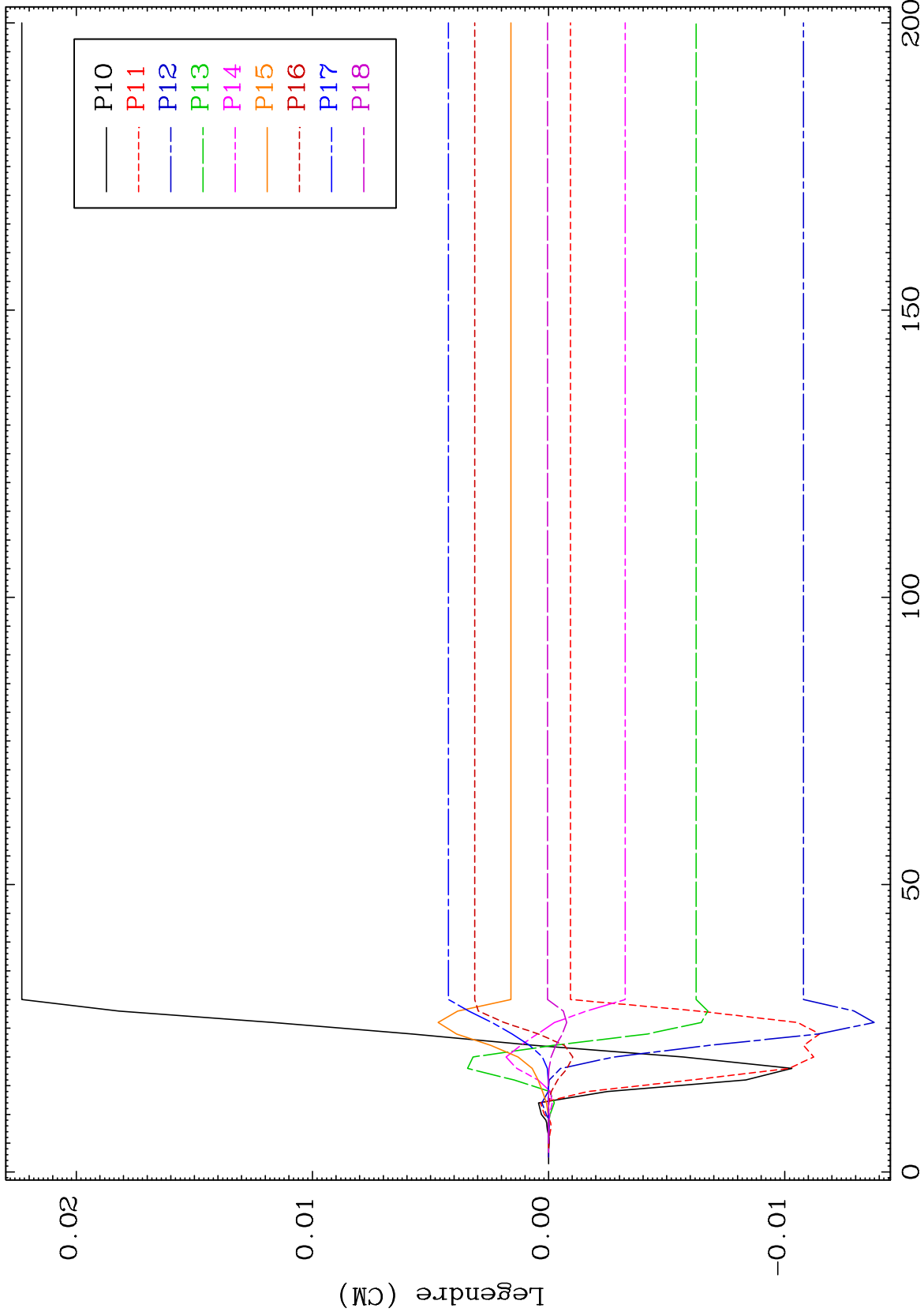
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



88

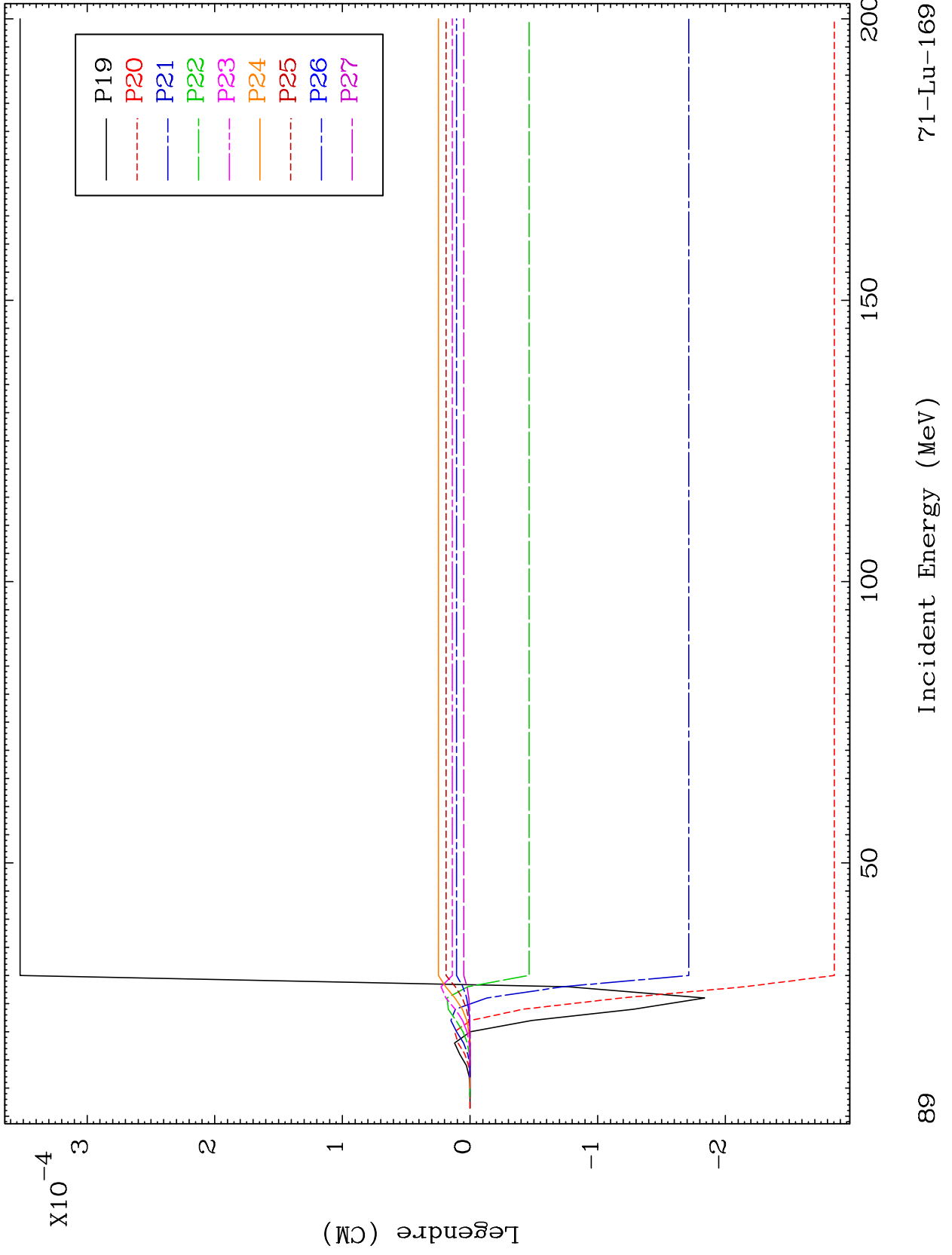
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

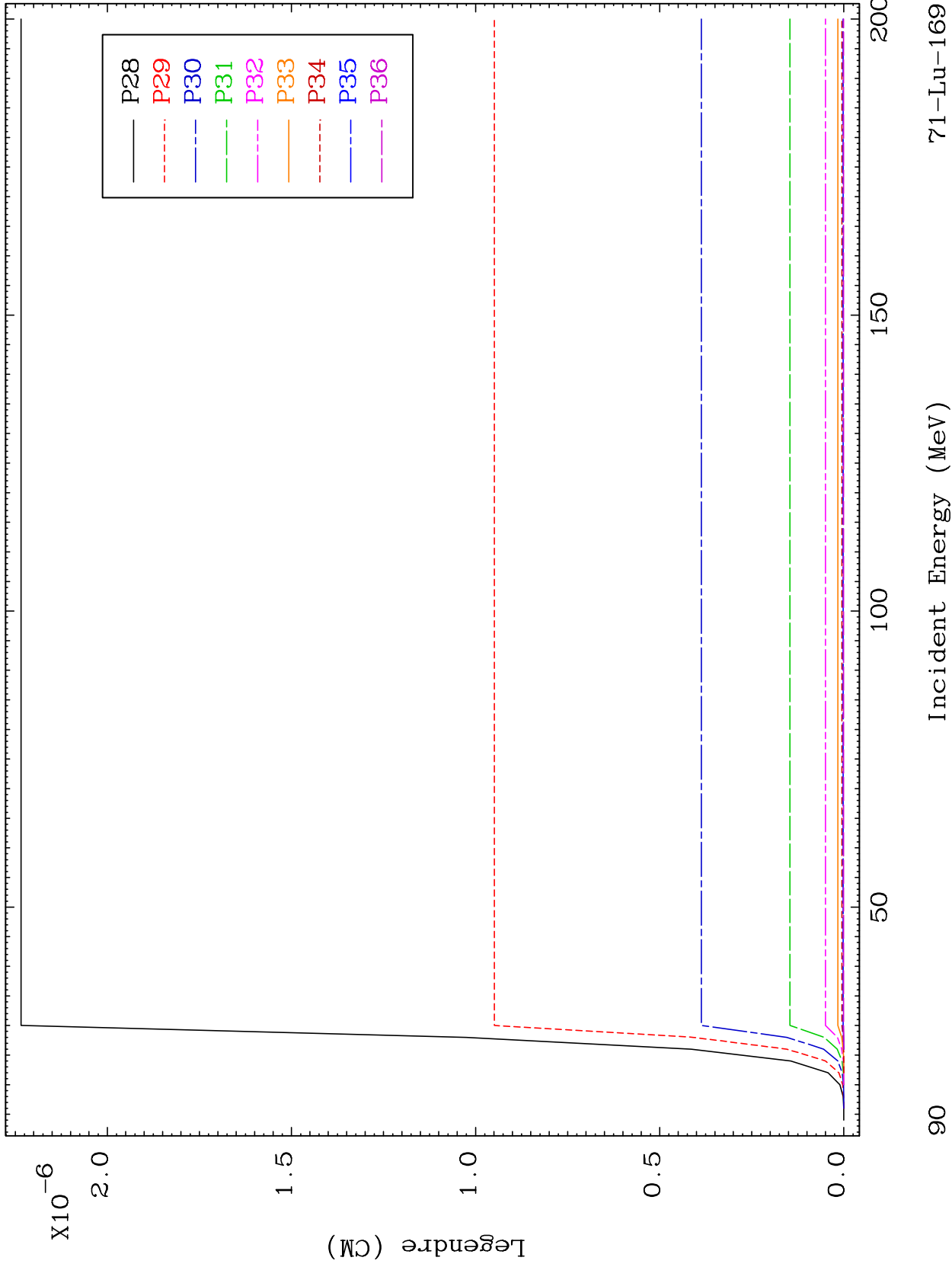
71-Lu-169



MAT 7107

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

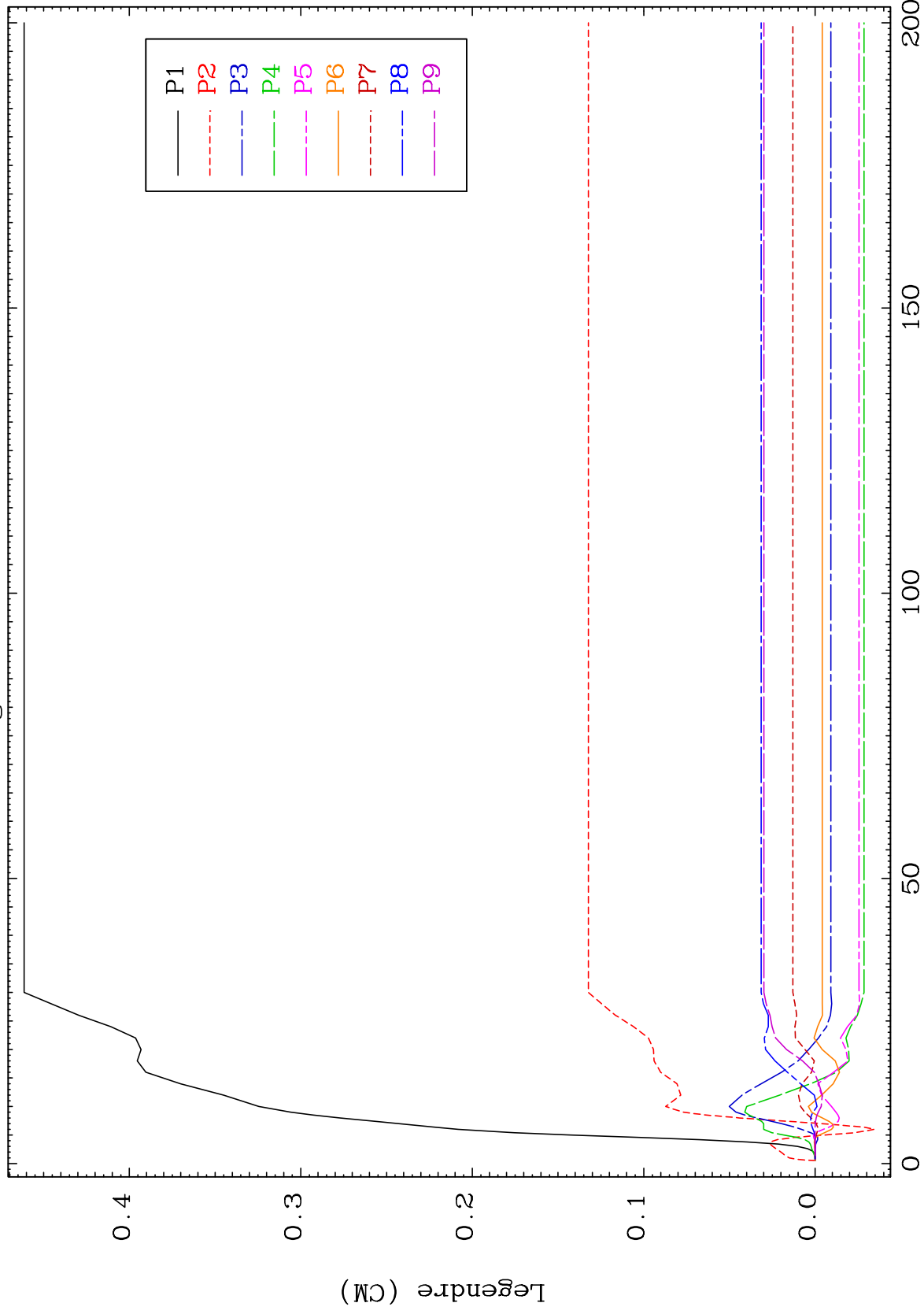
71-Lu-169



MAT 7107

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

71-Lu-169



91

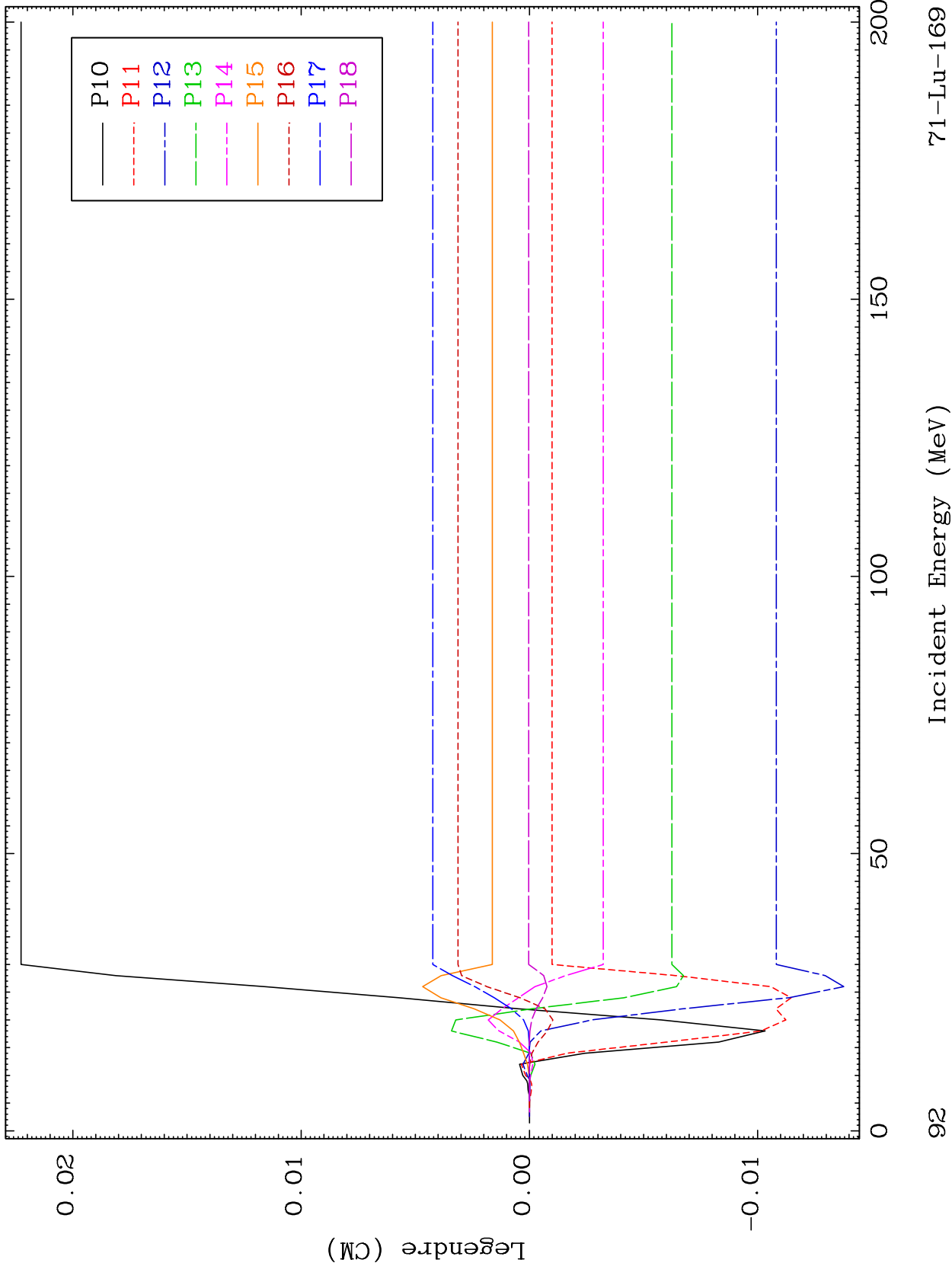
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



71-Lu-169

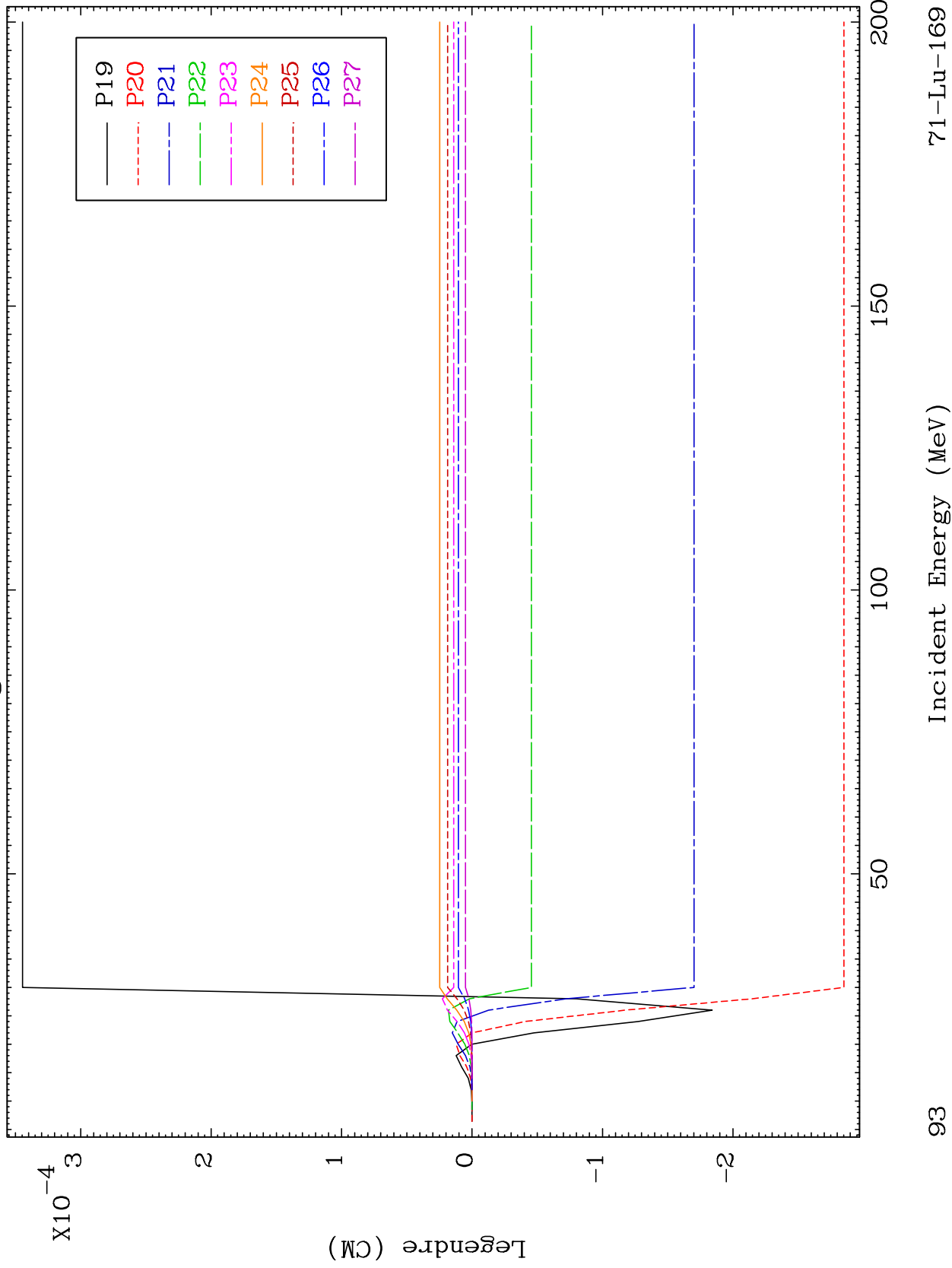
Incident Energy (MeV)

92

MAT 7107

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

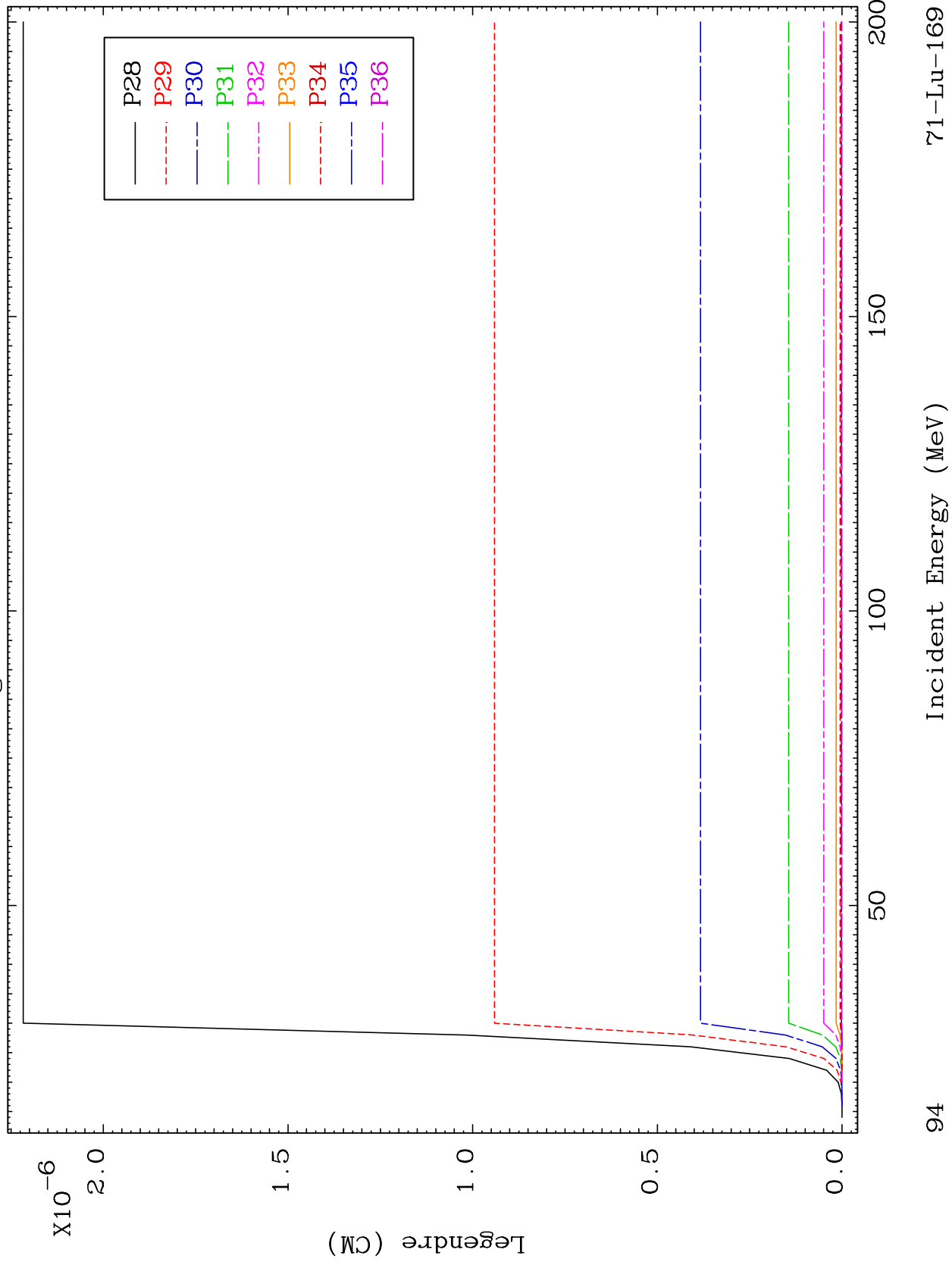
71-Lu-169



MAT 7107

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

71-Lu-169

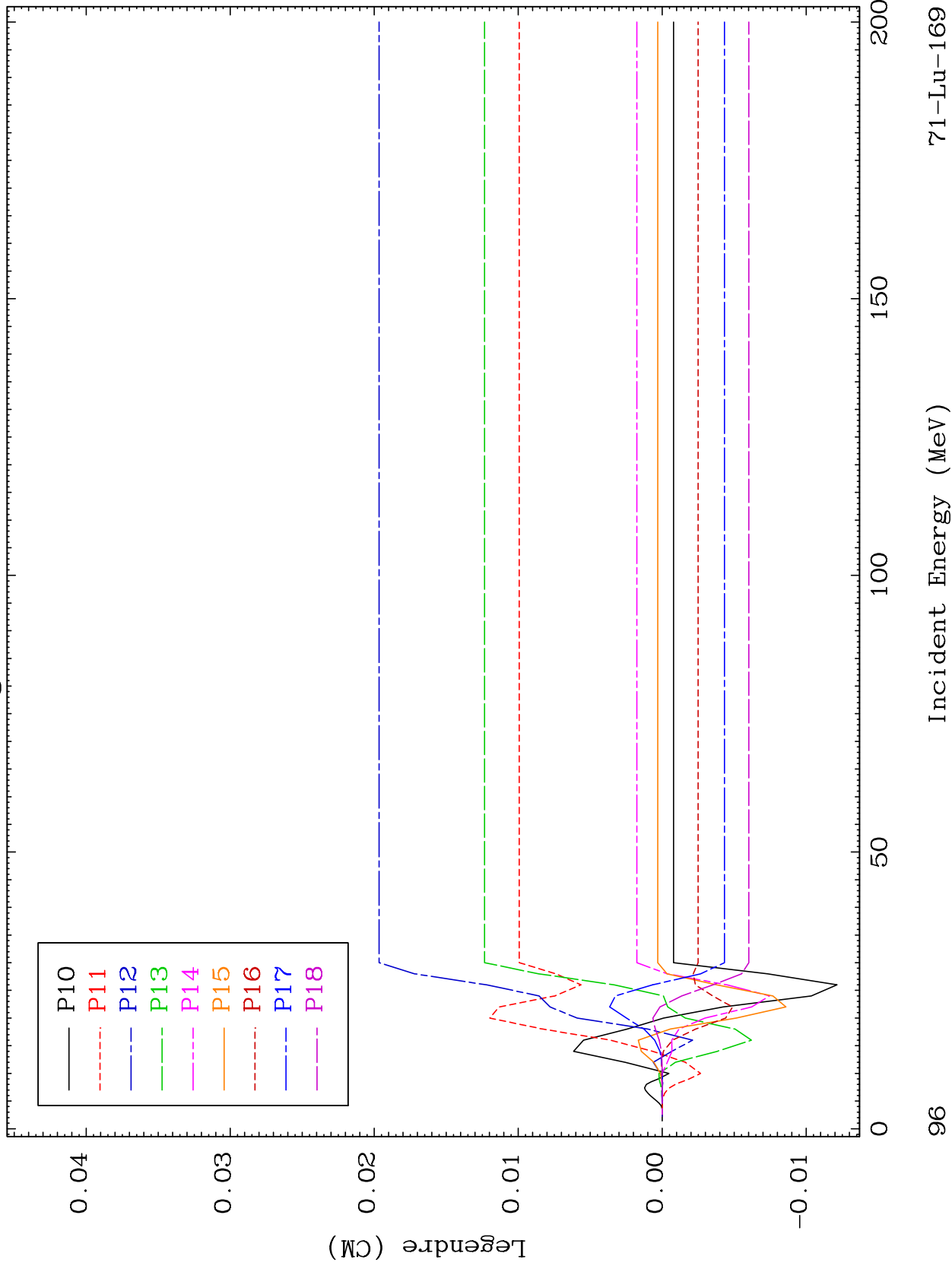


94

MAT 7107

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

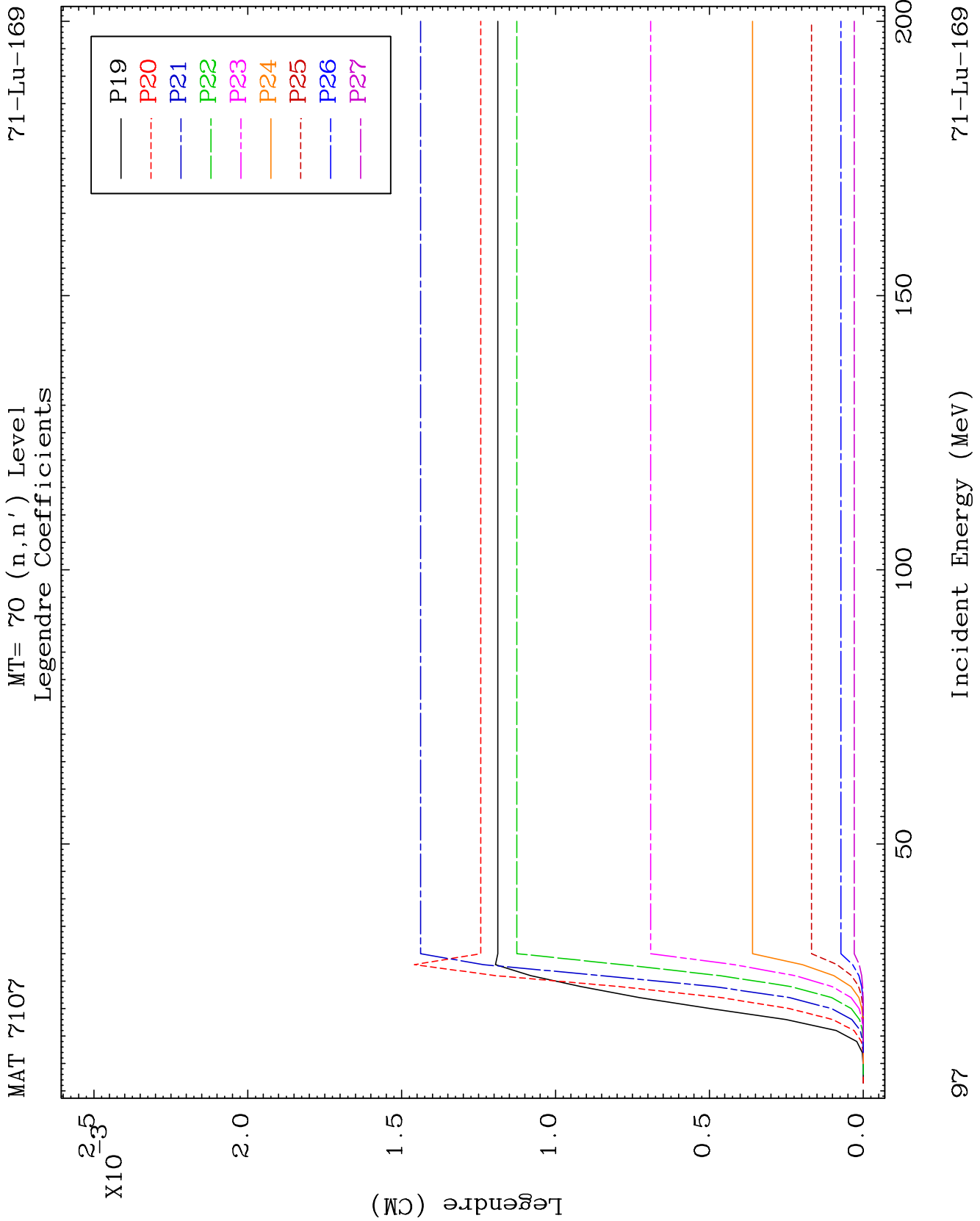
71-Lu-169



96

Incident Energy (MeV)

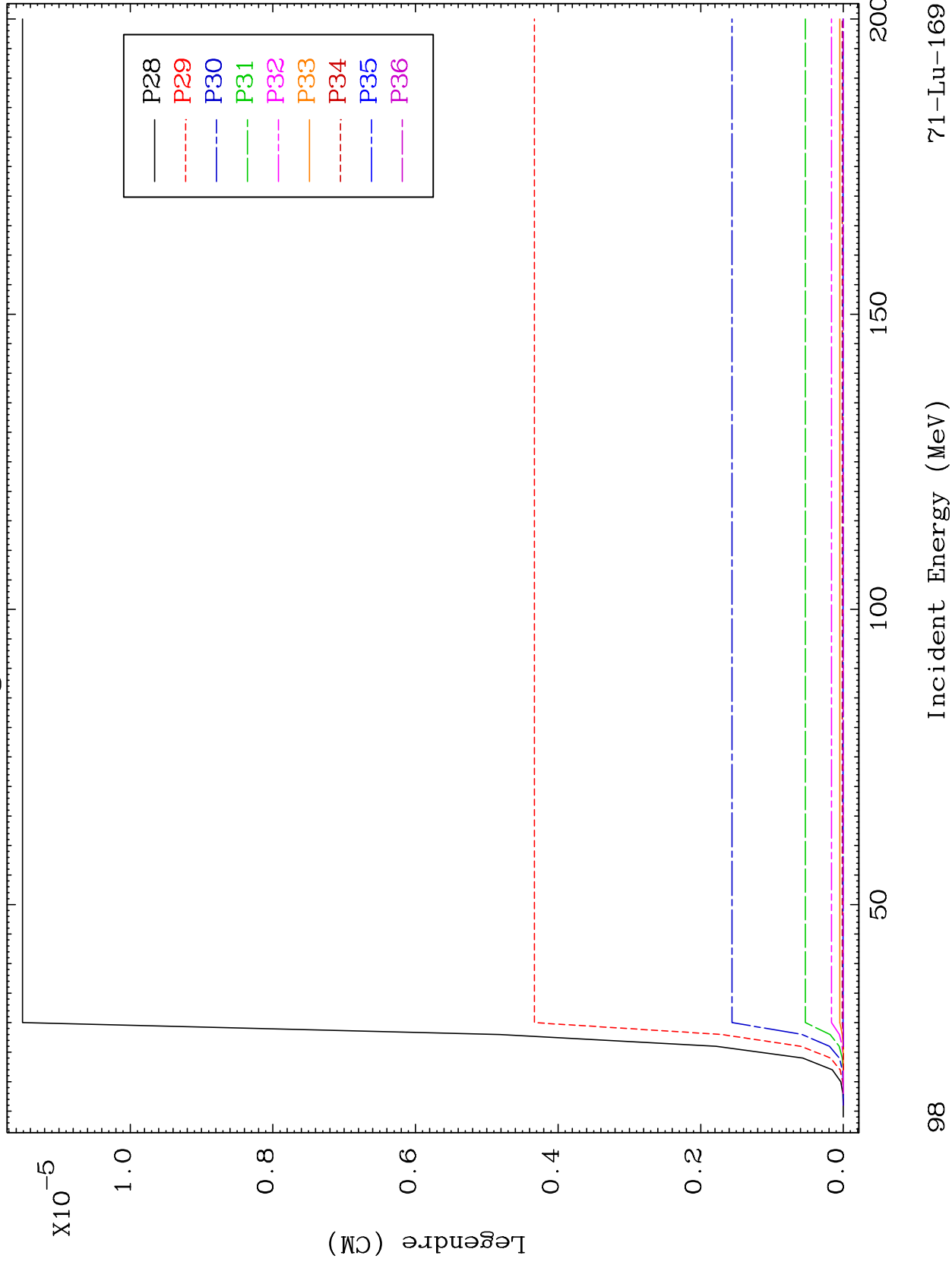
71-Lu-169

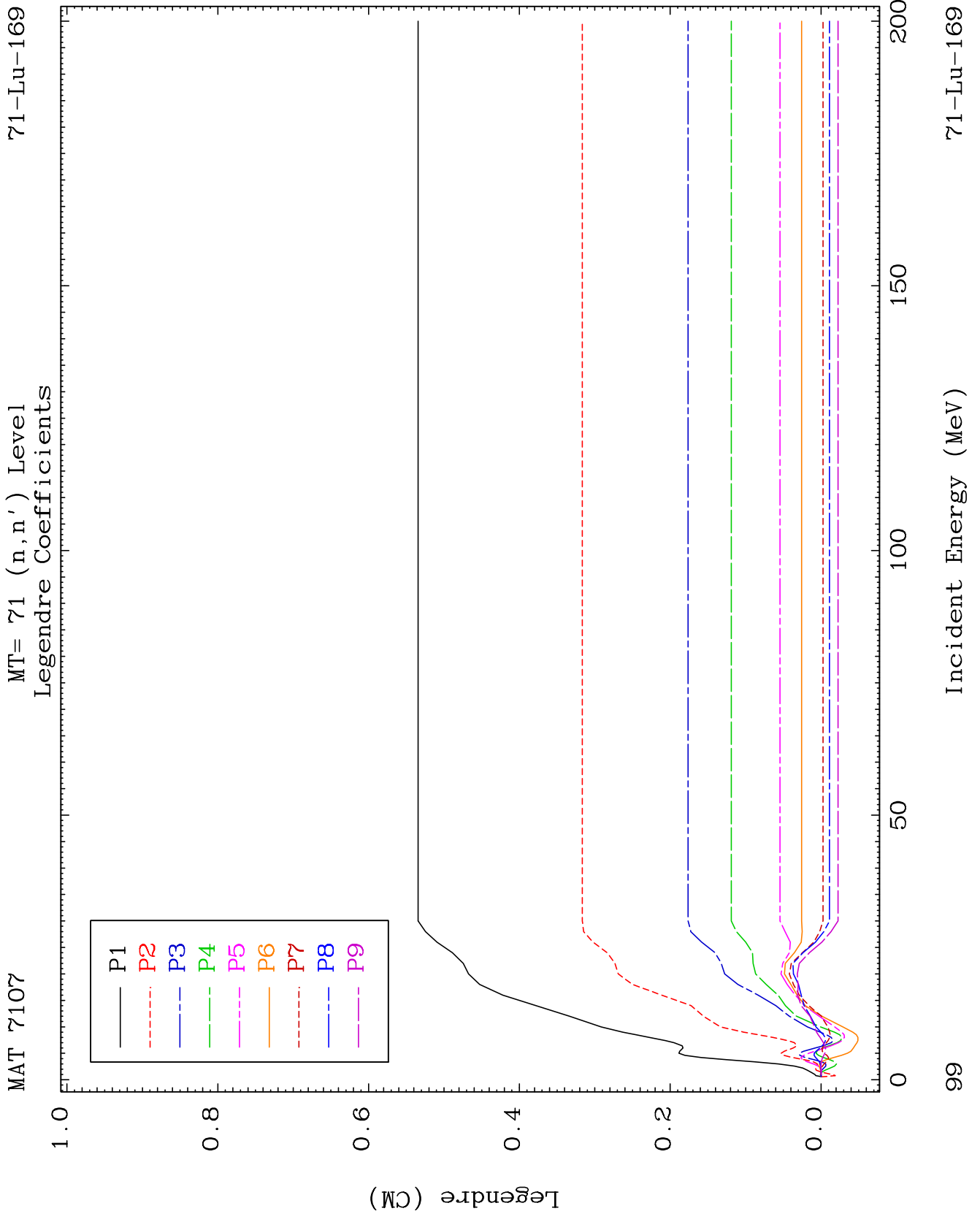


MAT 7107

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

71-Lu-169

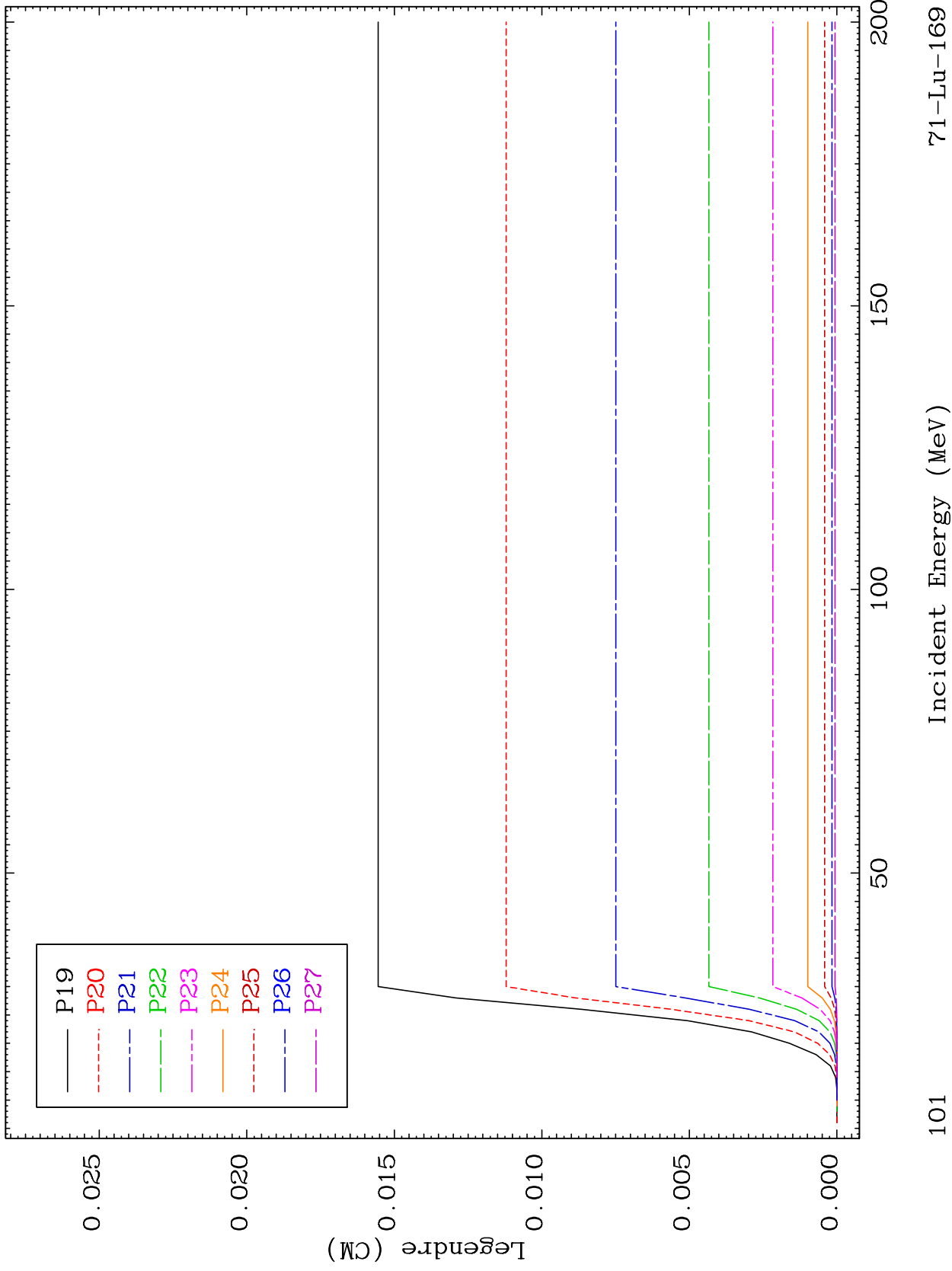




MAT 7107

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

71-Lu-169



101

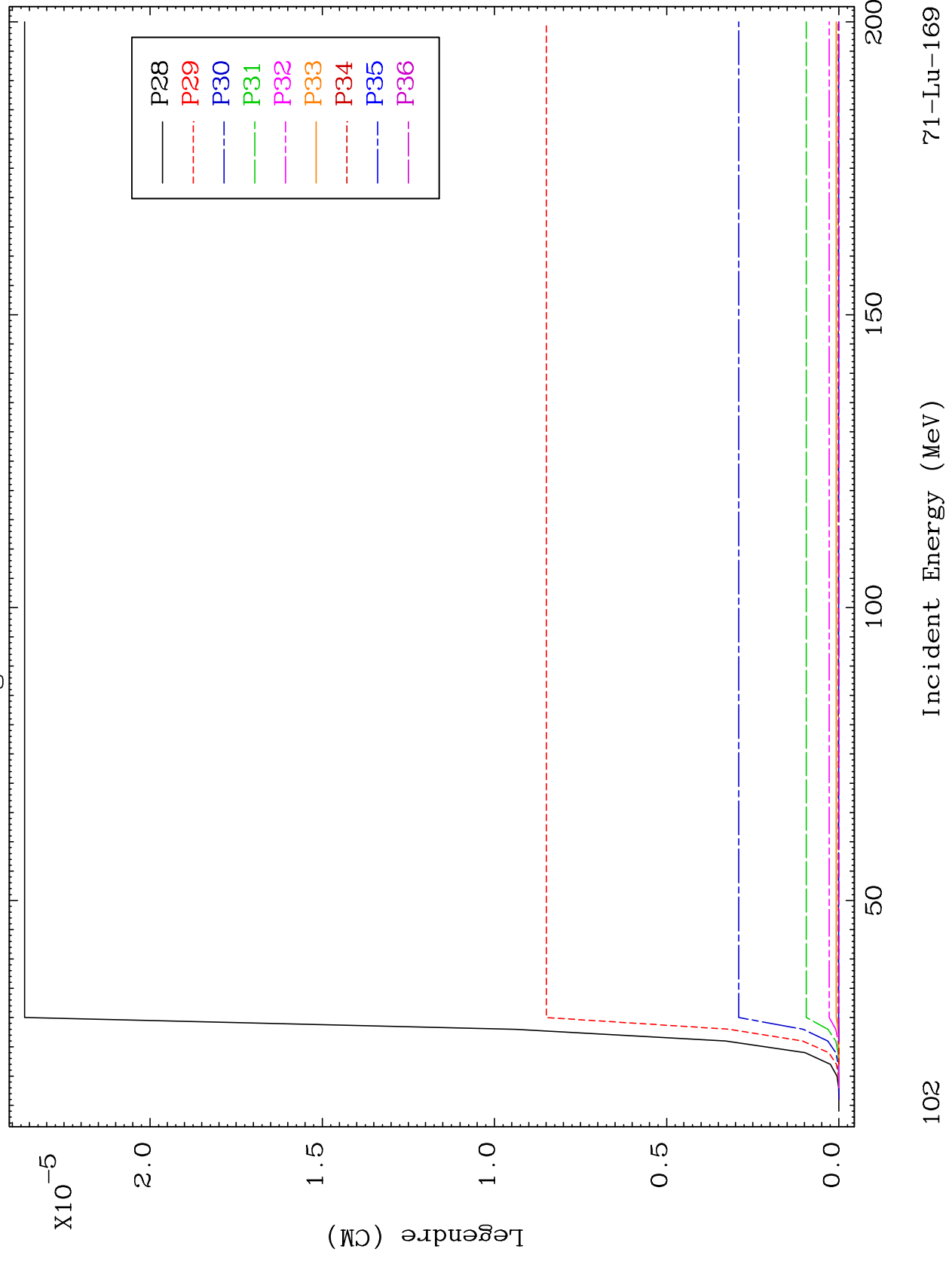
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

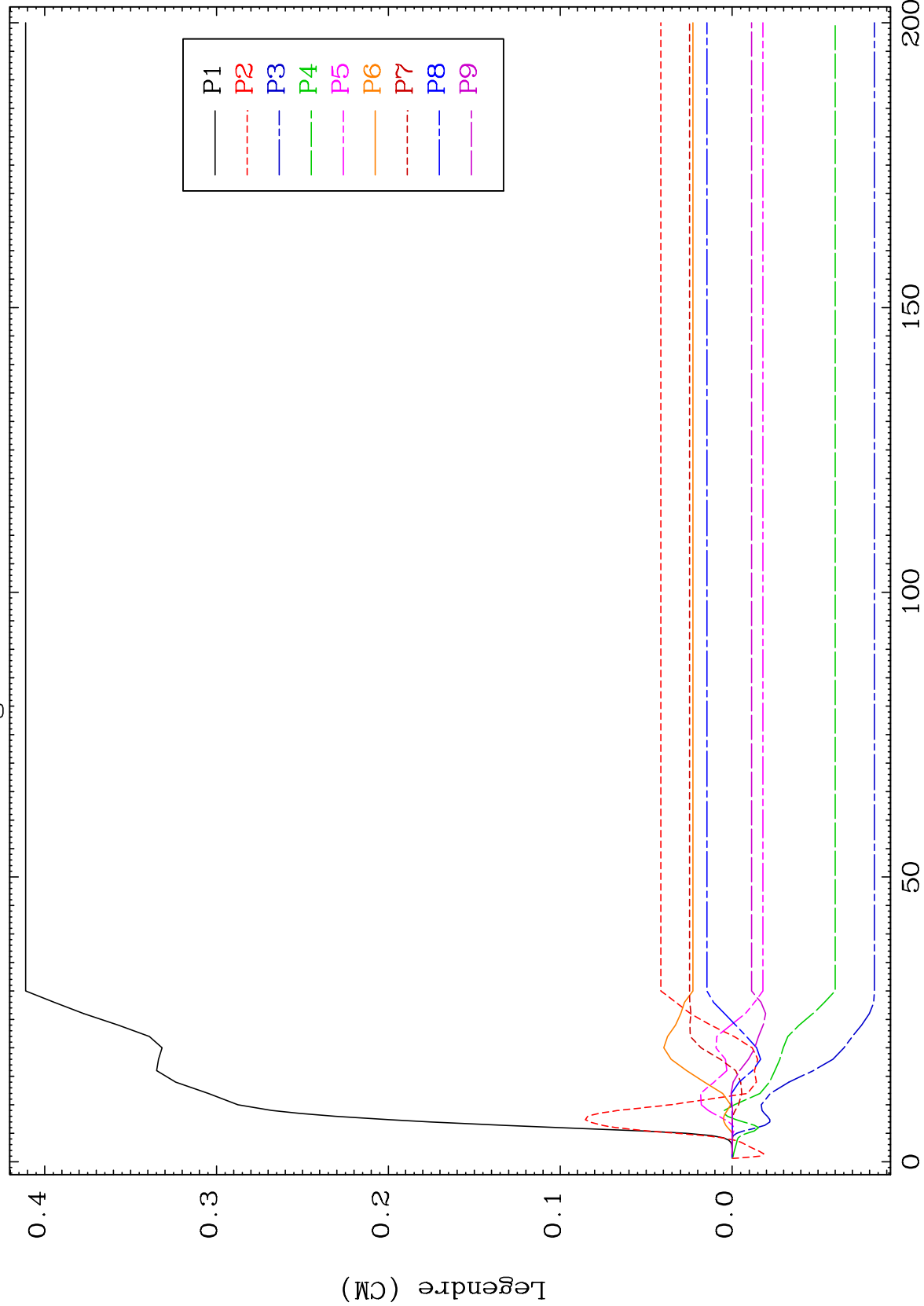
71-Lu-169



MAT 7107

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

71-Lu-169



103

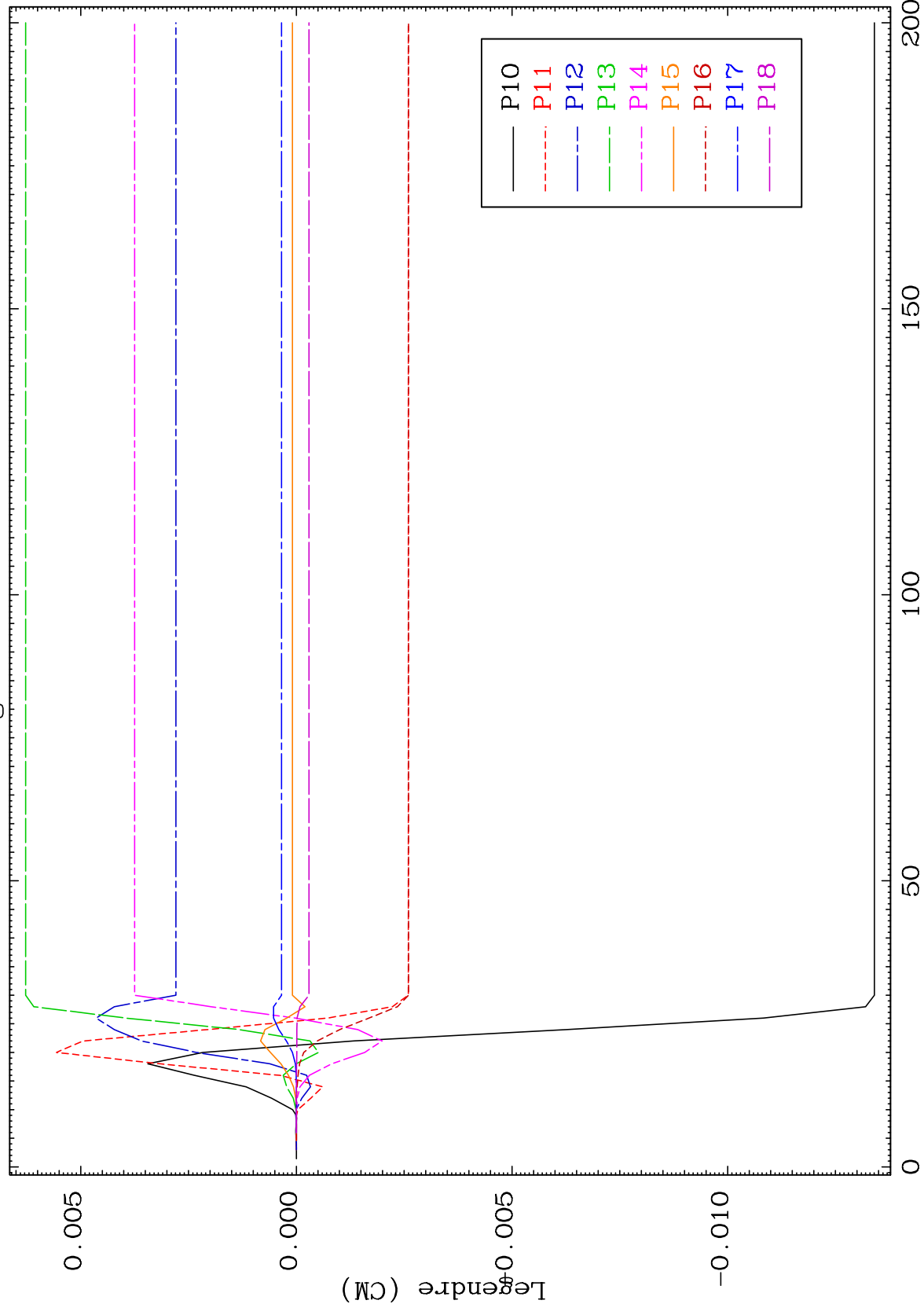
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



104

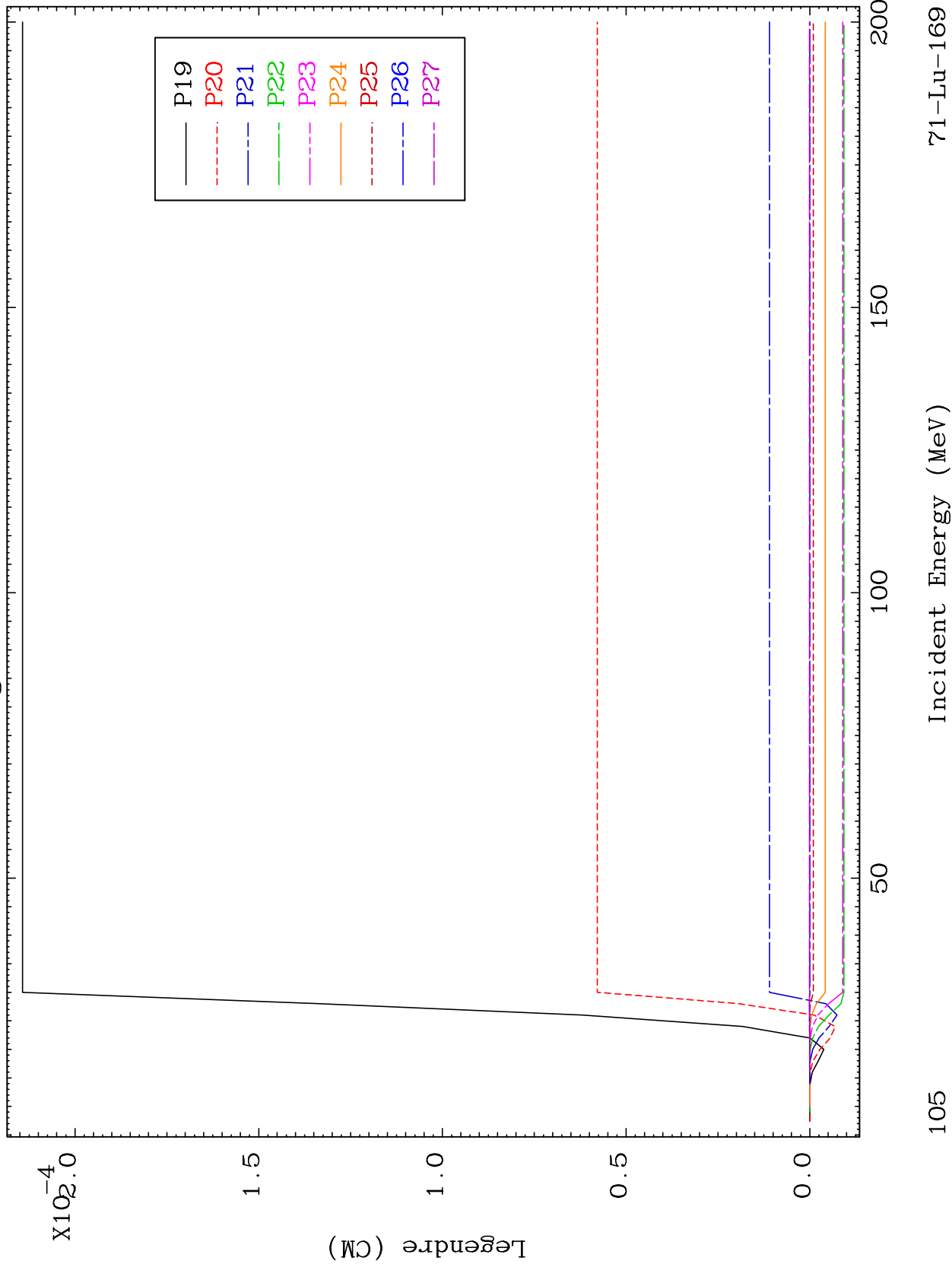
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



105

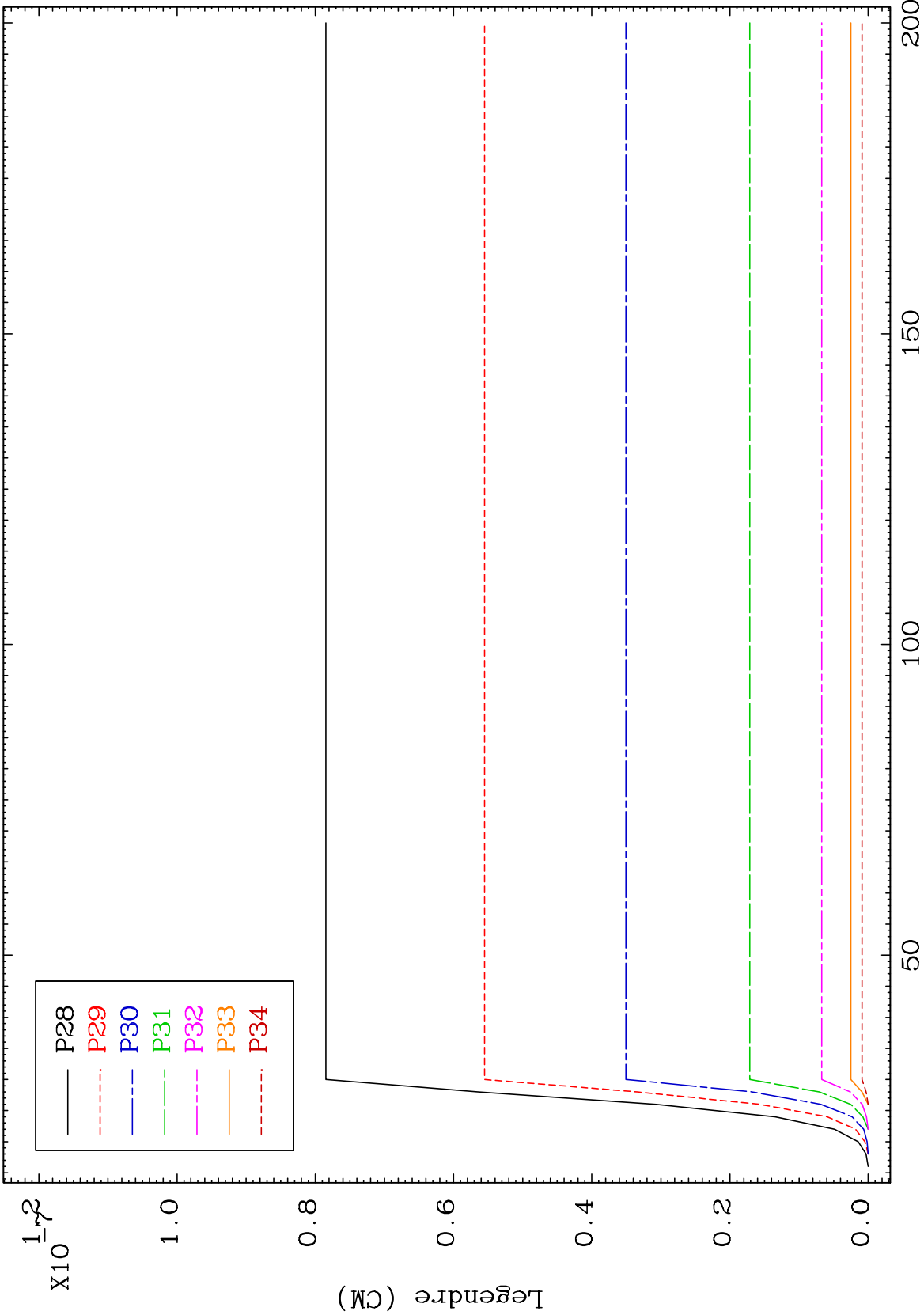
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



106

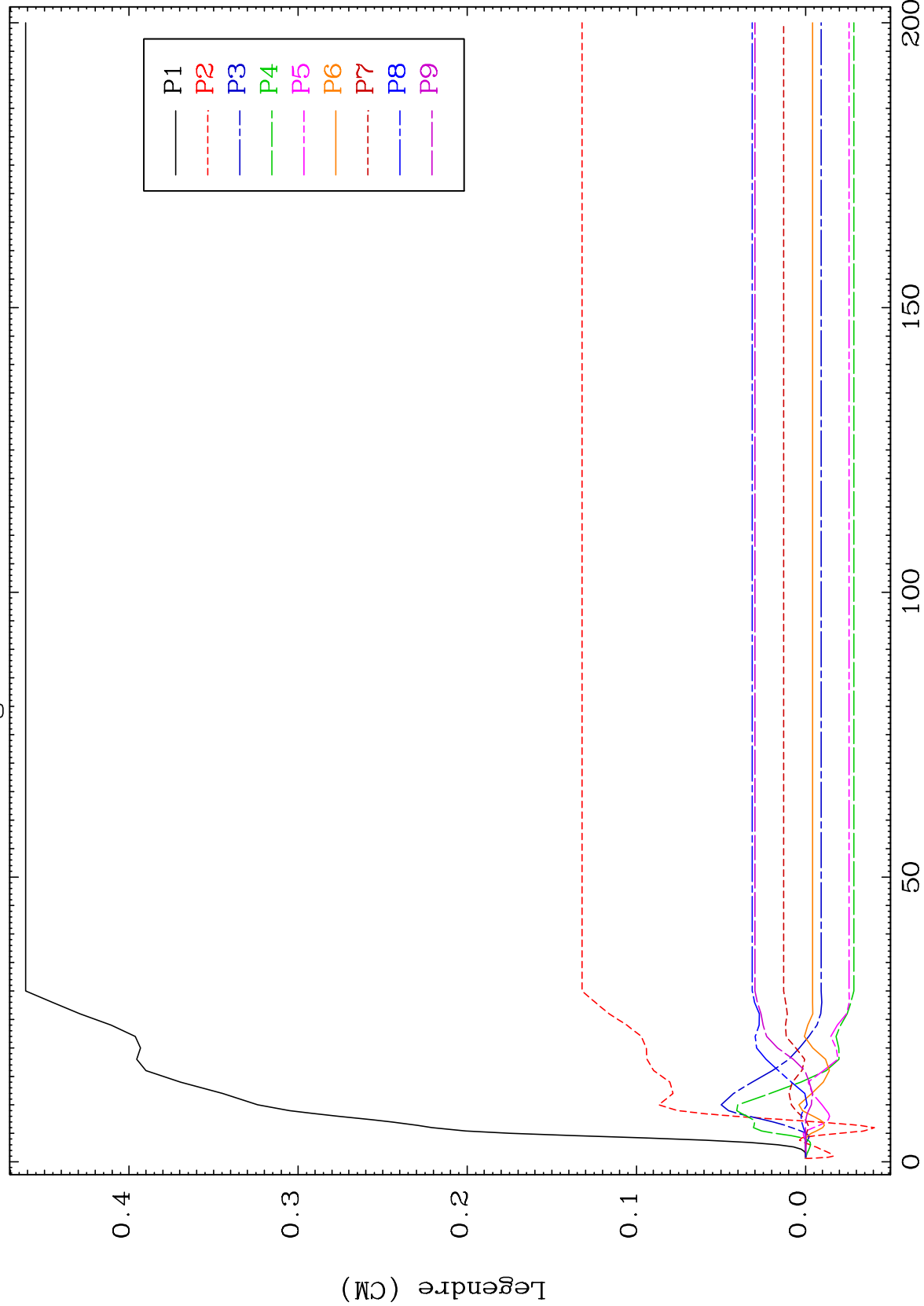
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



71-Lu-169

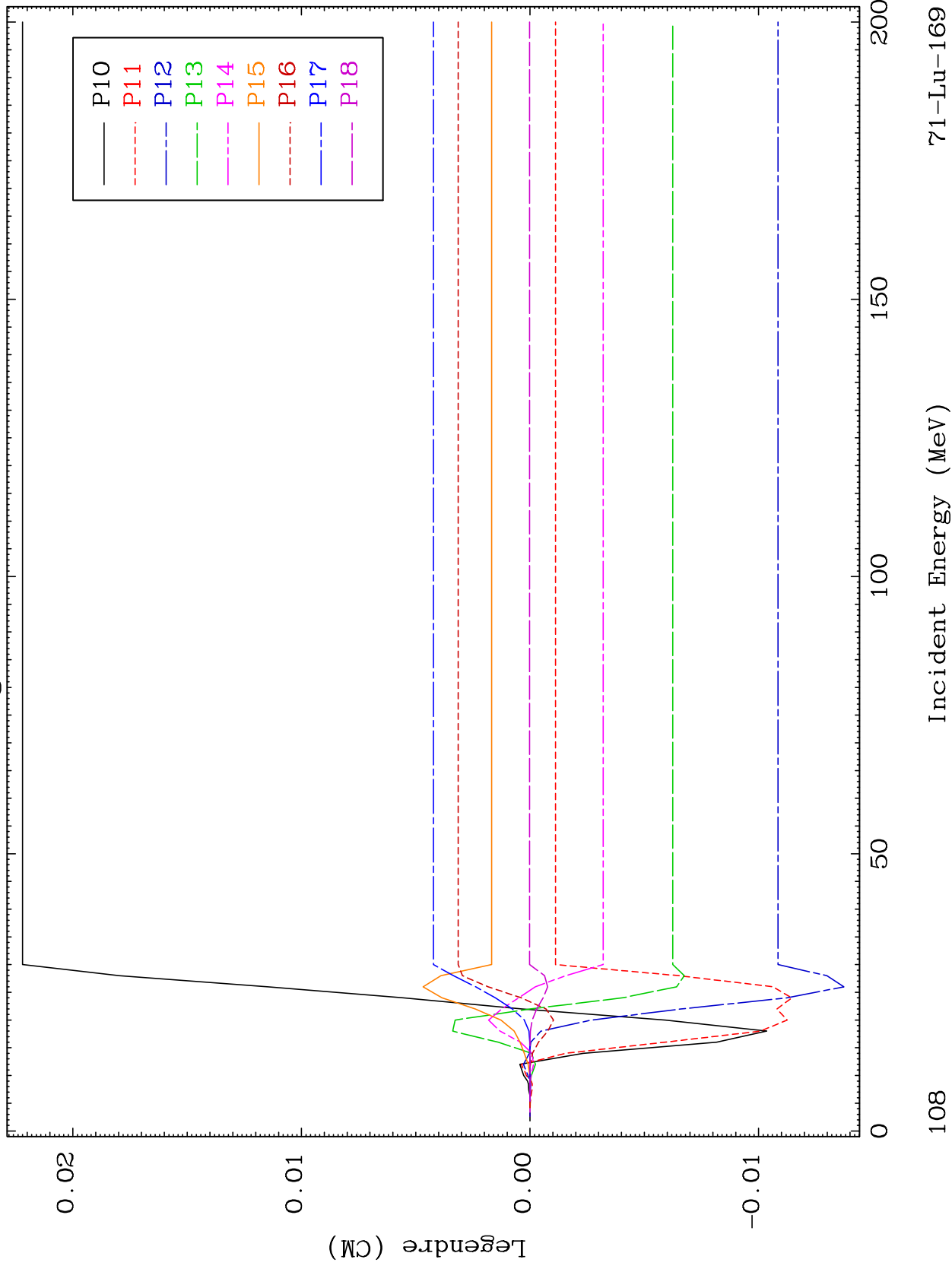
Incident Energy (MeV)

107

MAT 7107

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

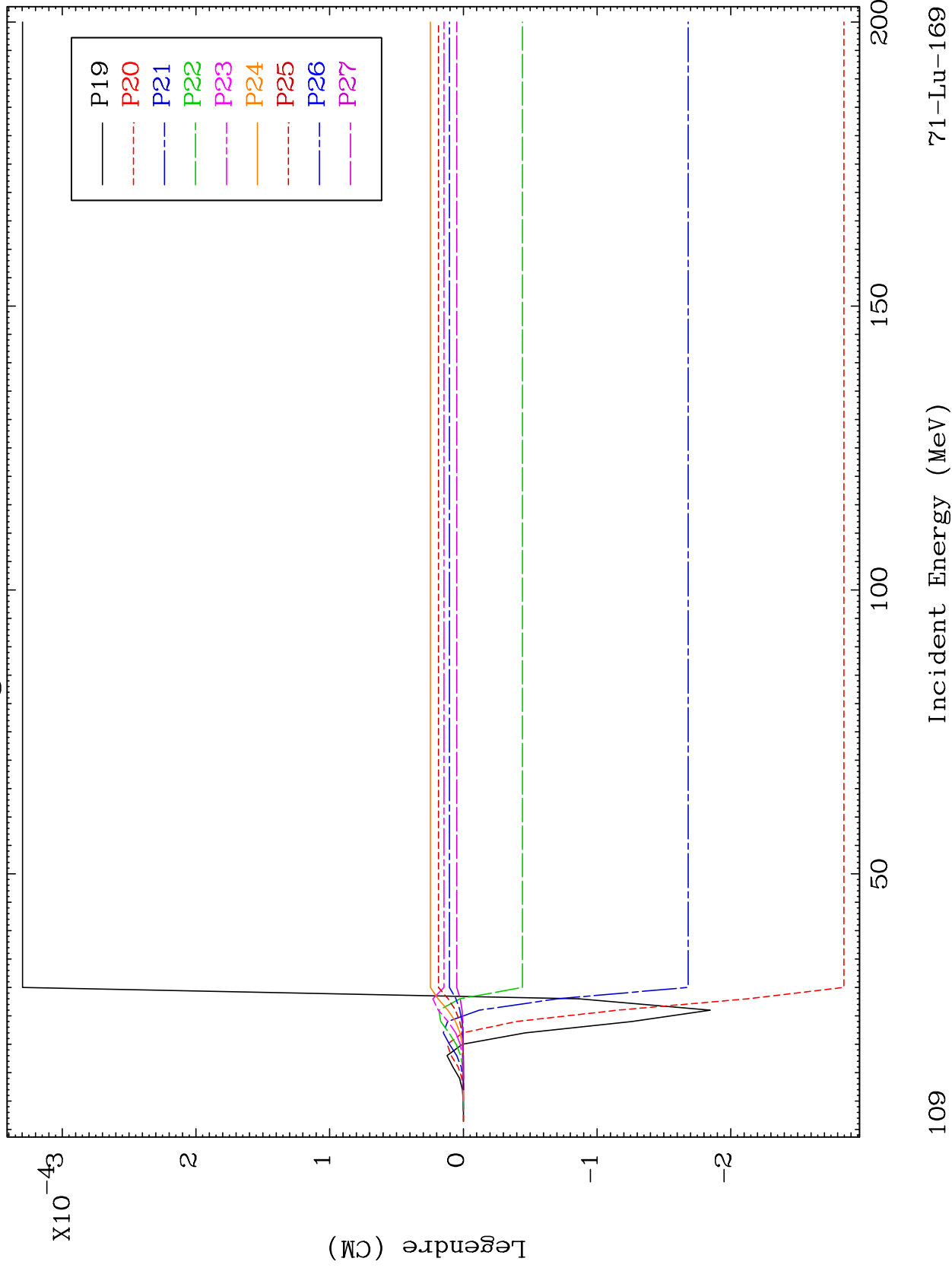
71-Lu-169



MAT 7107

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

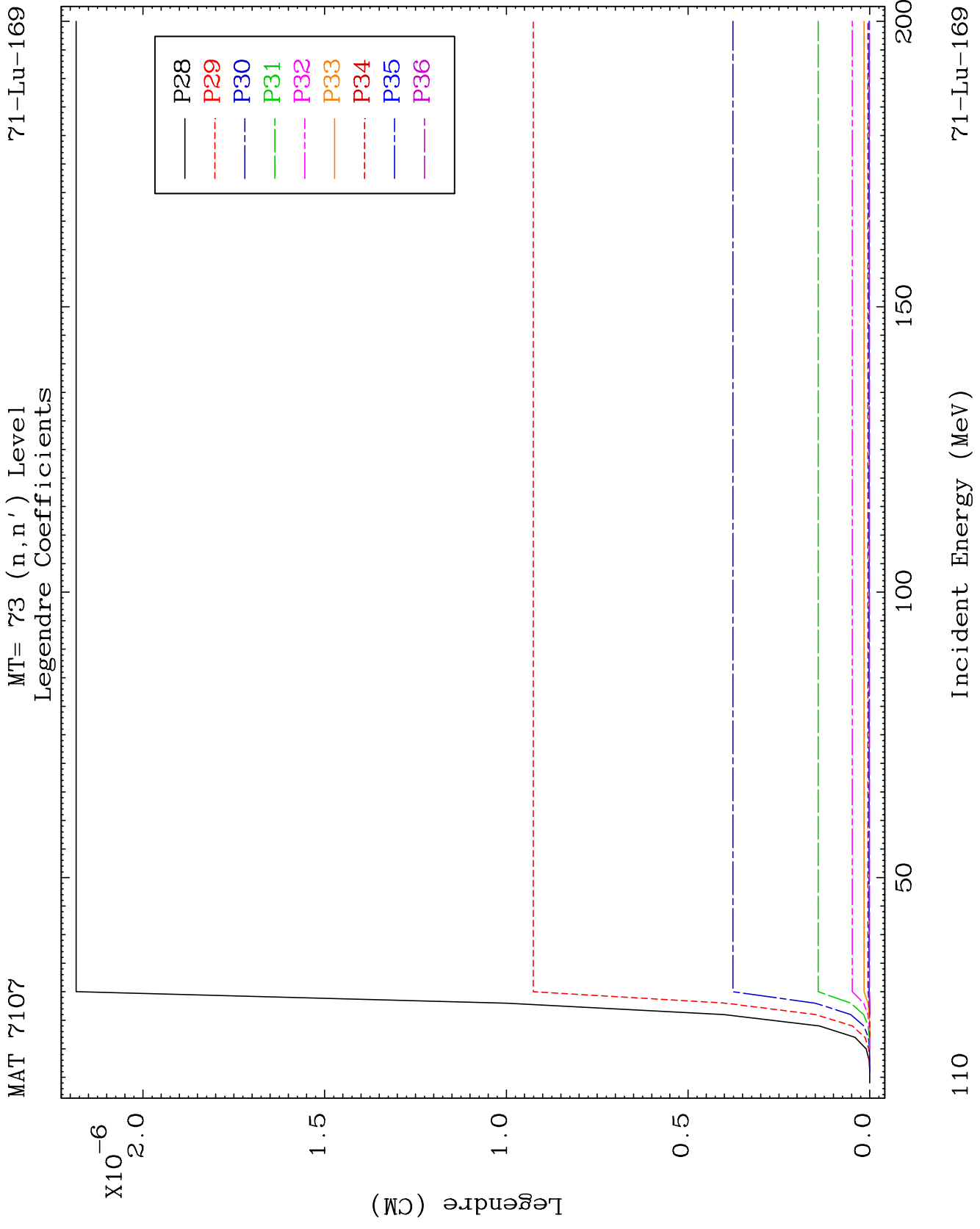
71-Lu-169



109

Incident Energy (MeV)

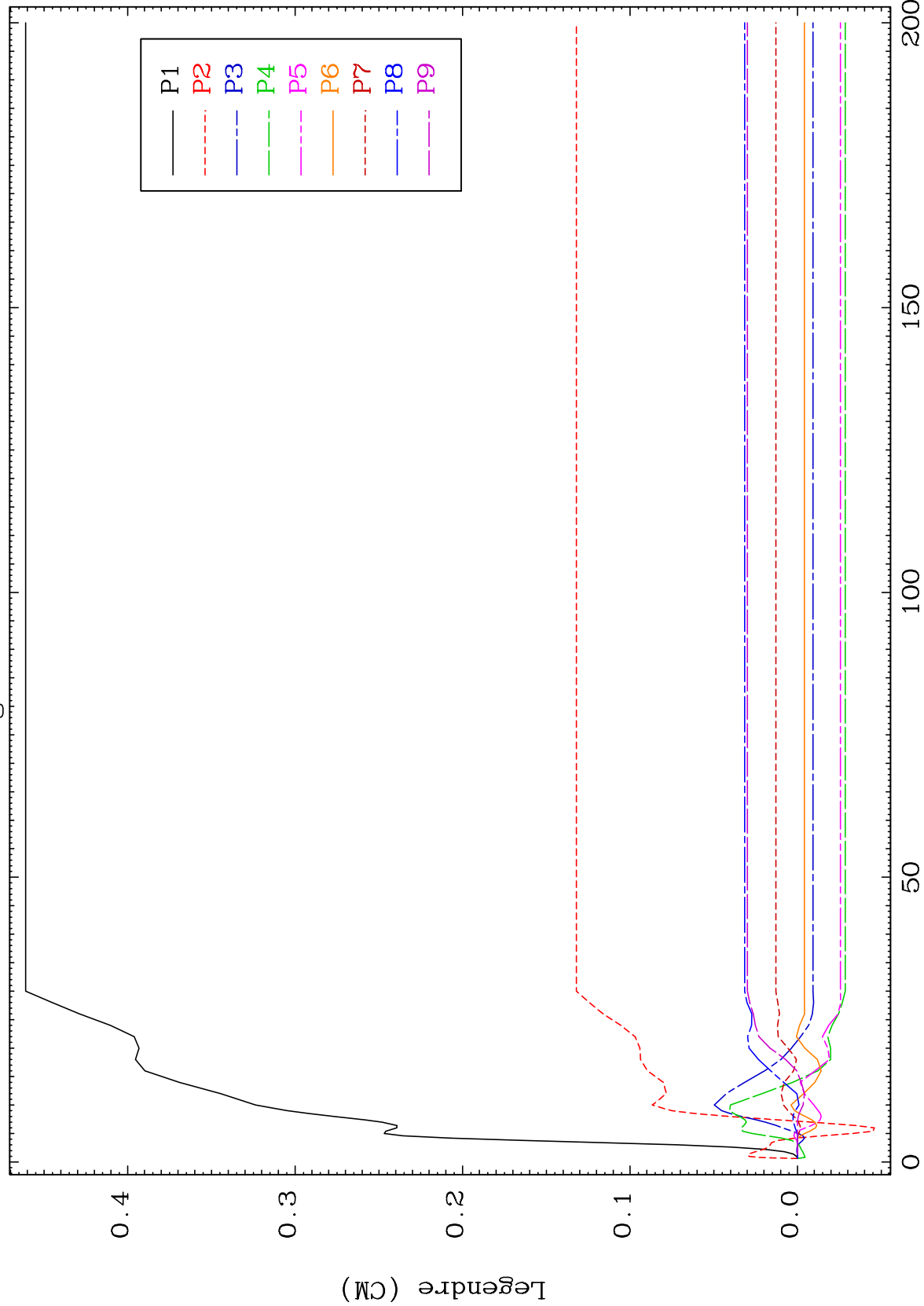
71-Lu-169



MAT 7107

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

71-Lu-169



111

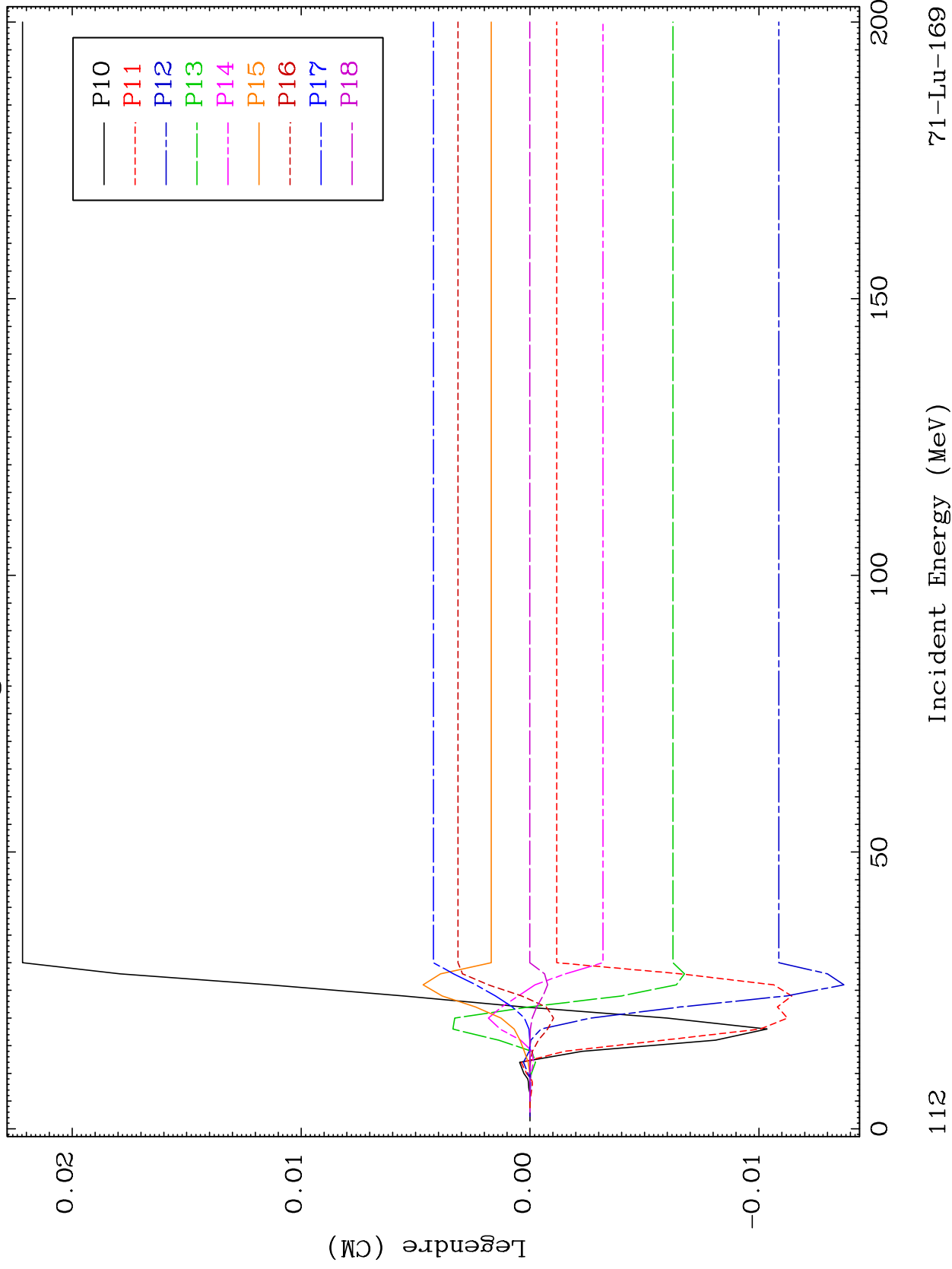
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



71-Lu-169

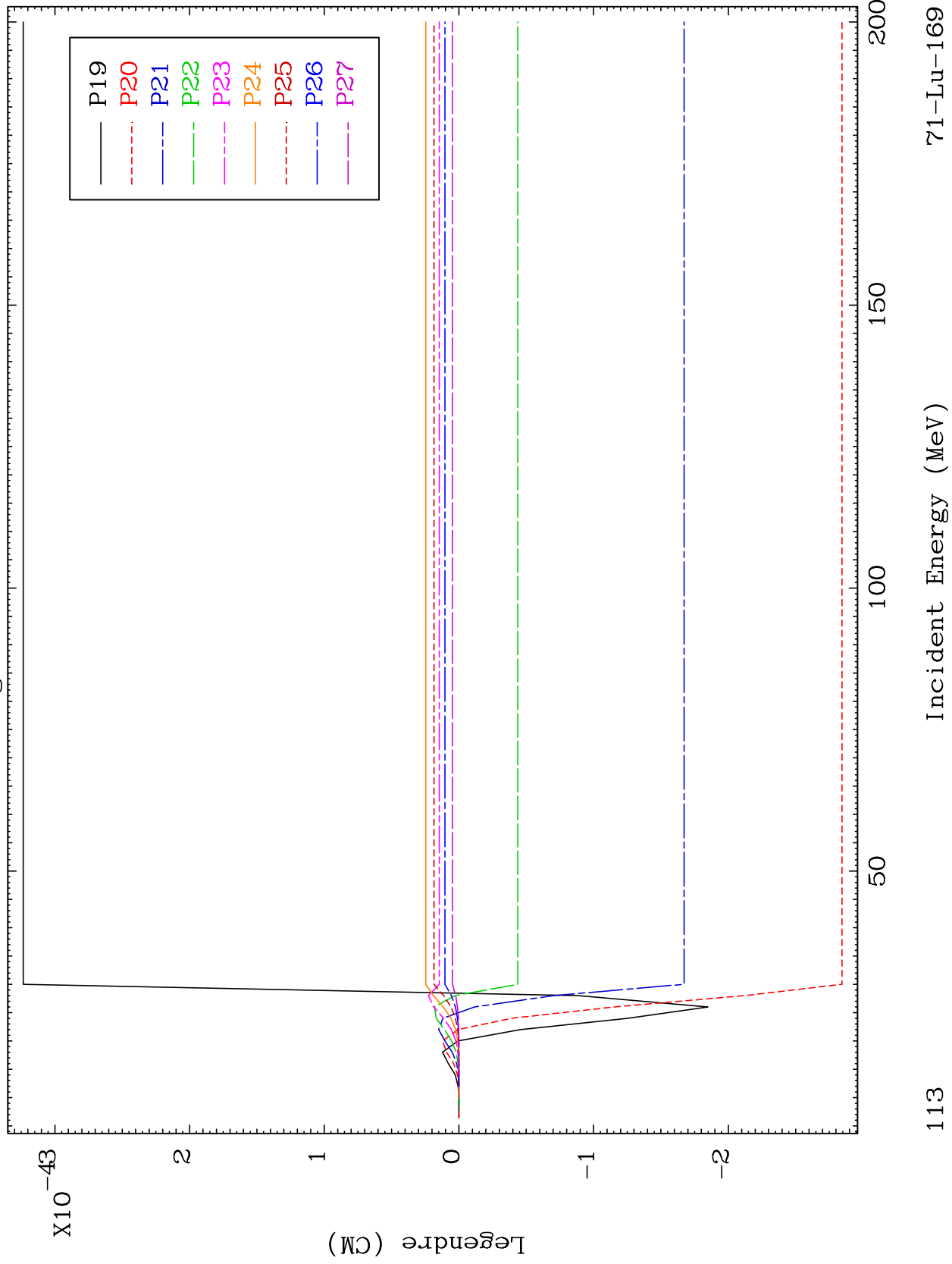
Incident Energy (MeV)

112

MAT 7107

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

71-Lu-169



113

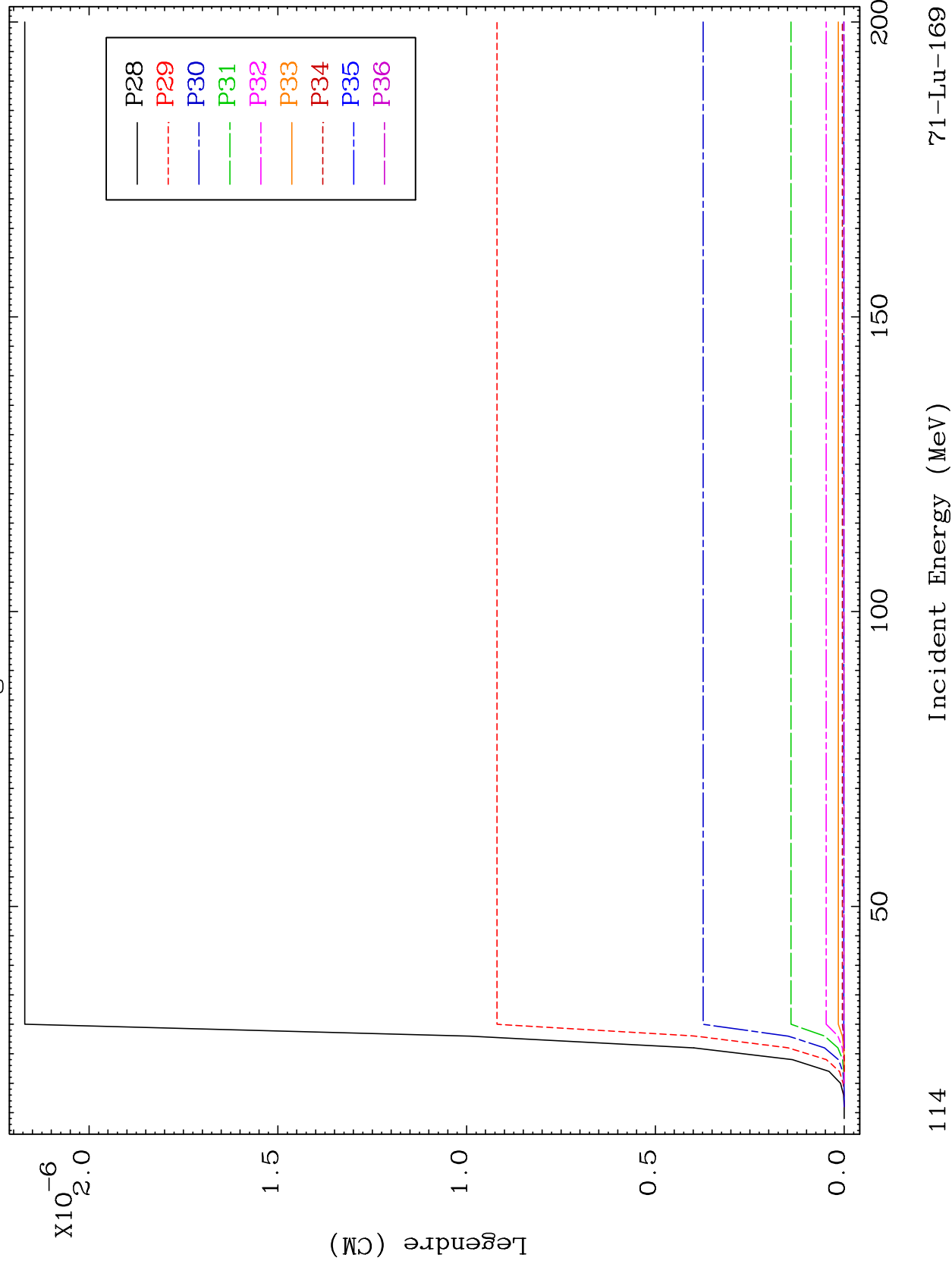
Incident Energy (MeV)

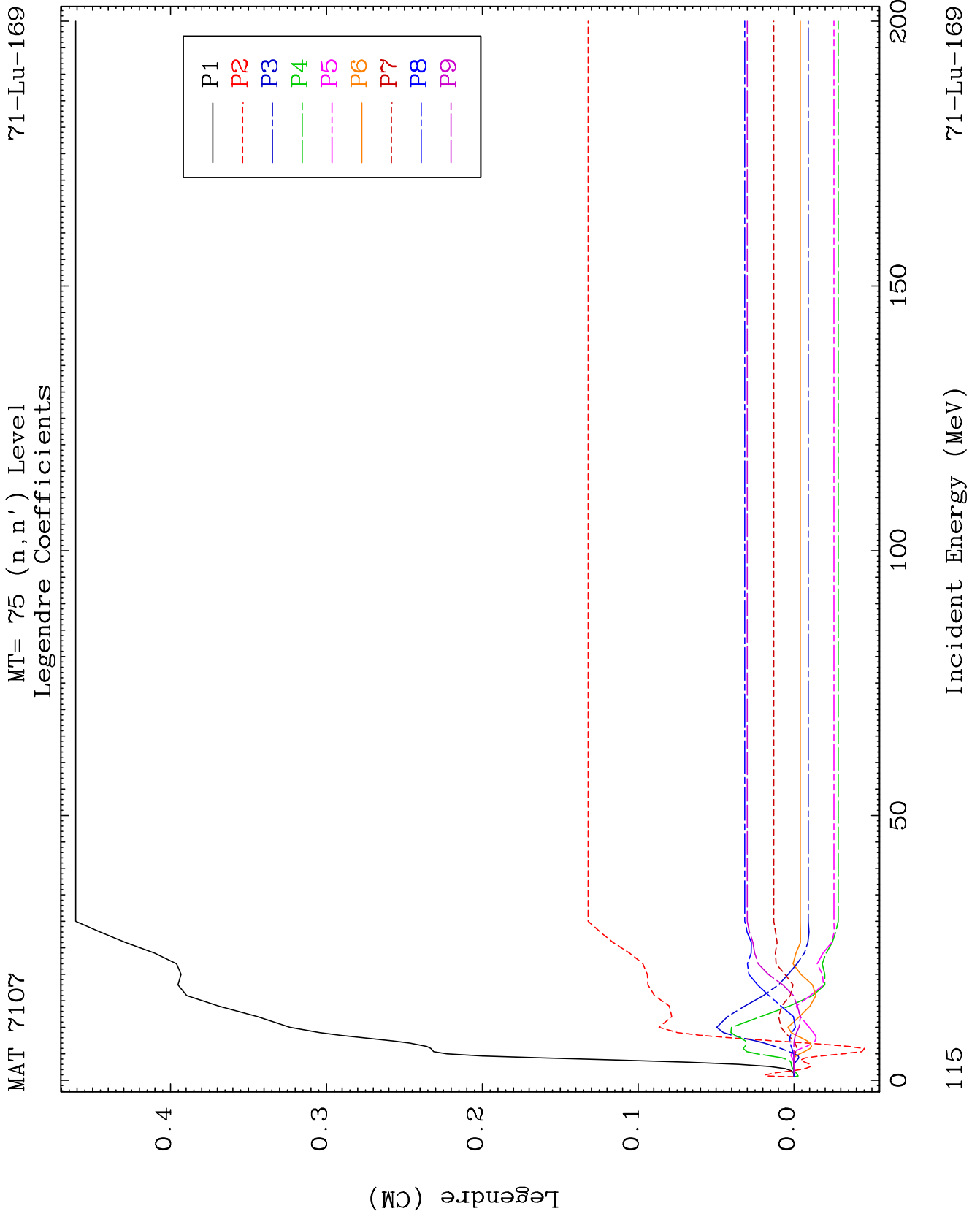
71-Lu-169

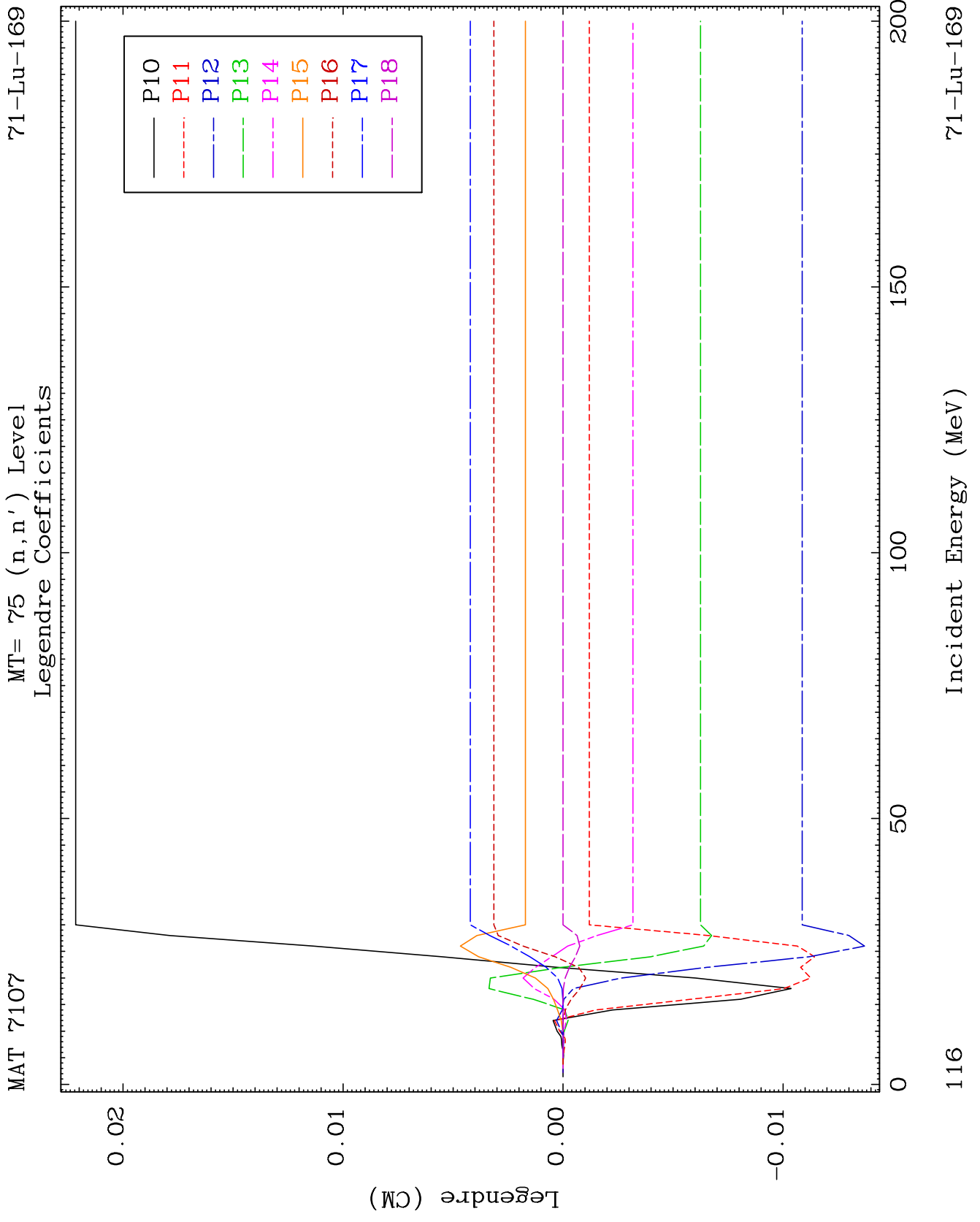
MAT 7107

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

71-Lu-169



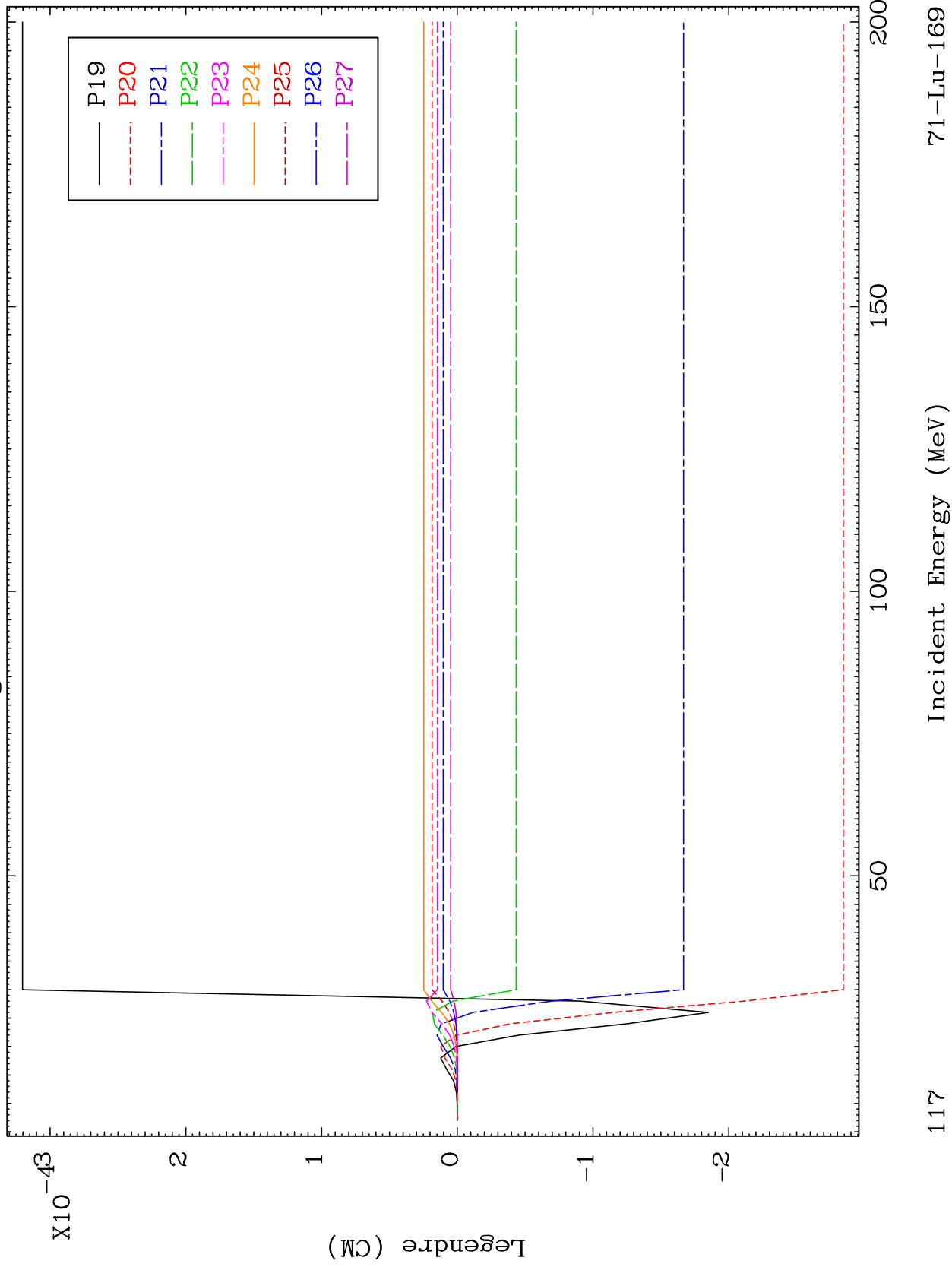




MAT 7107

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

71-Lu-169



117

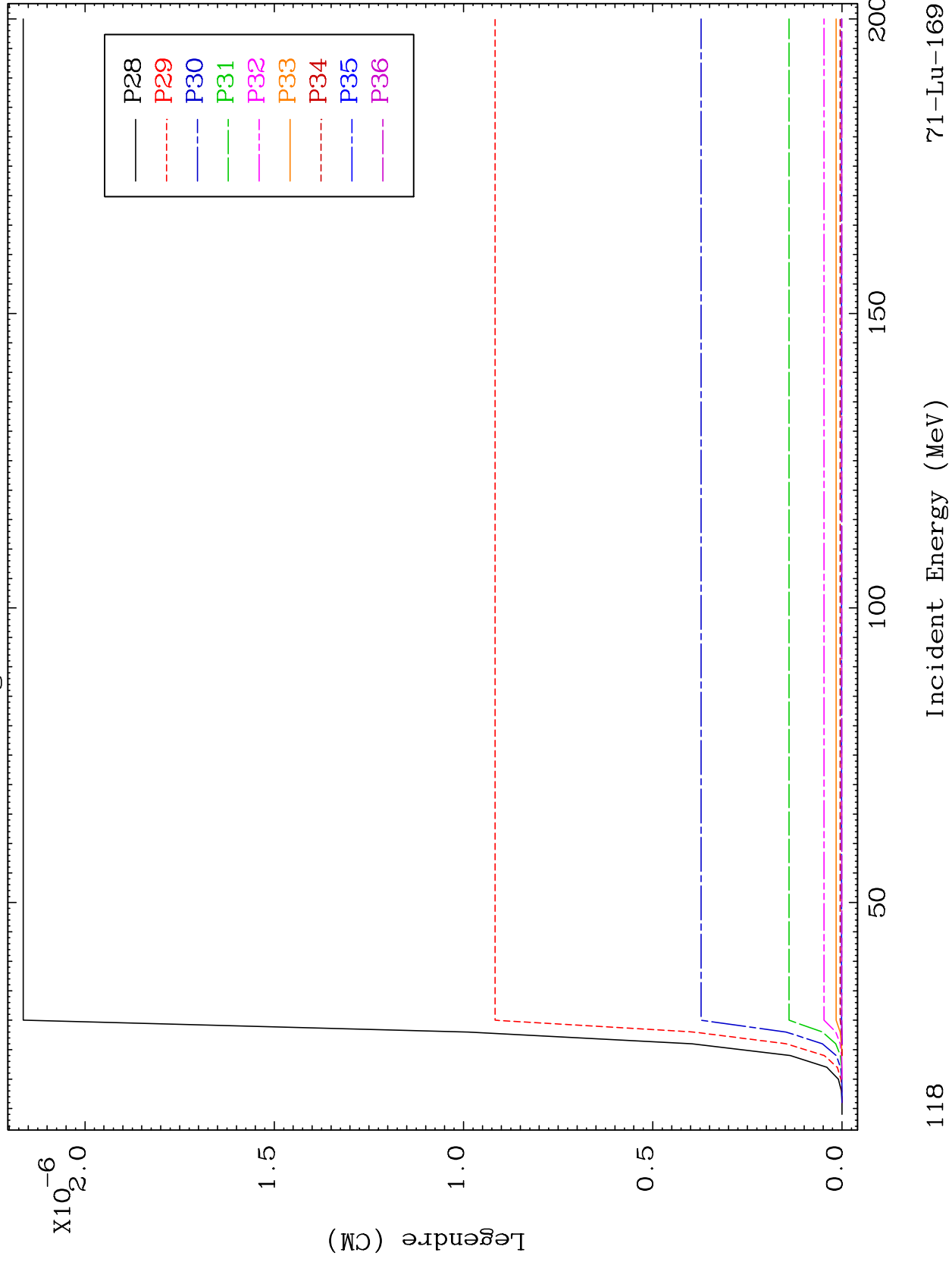
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



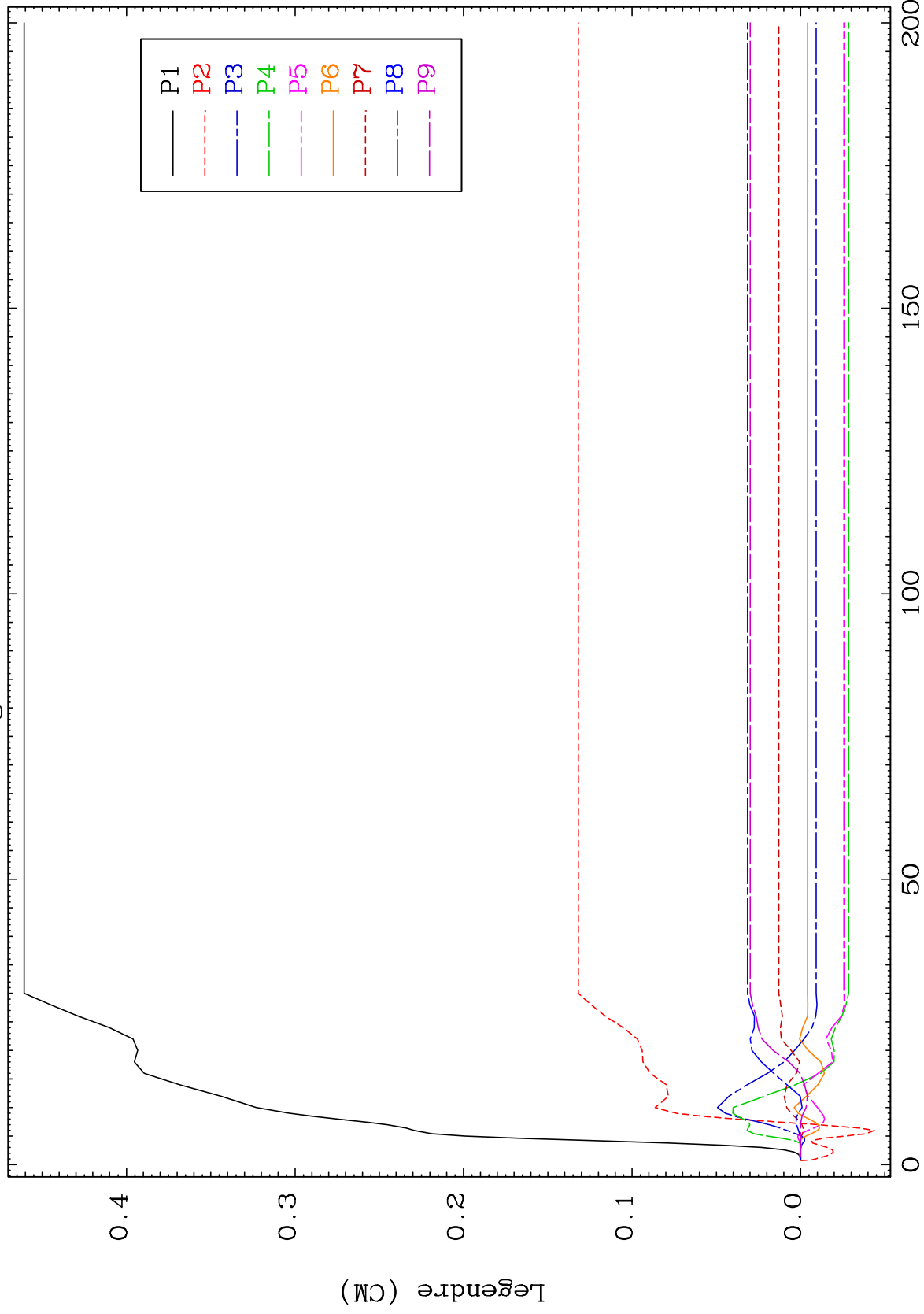
118

71-Lu-169

MAT 7107

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

71-Lu-169



71-Lu-169

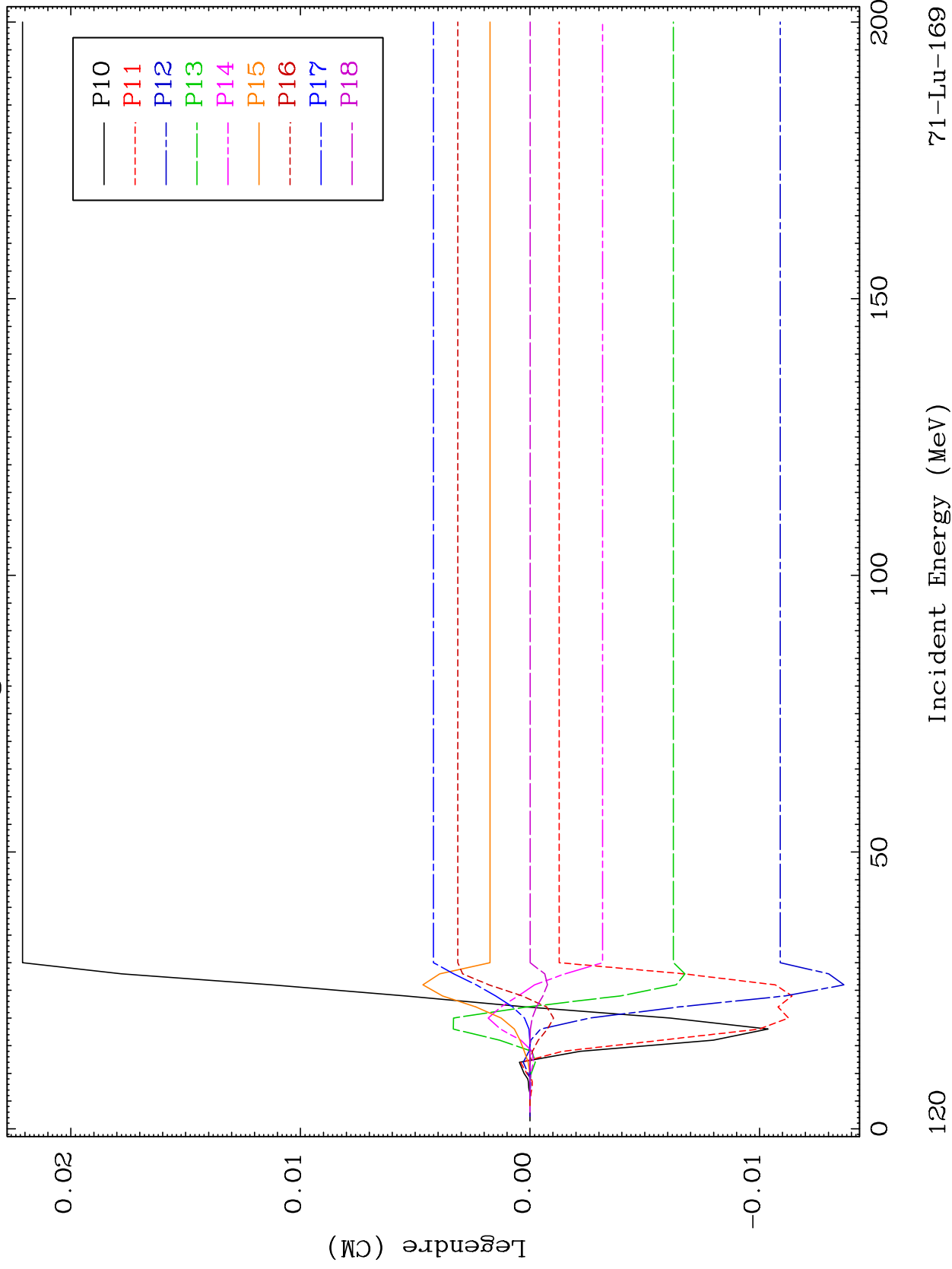
Incident Energy (MeV)

119

MAT 7107

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

71-Lu-169



71-Lu-169

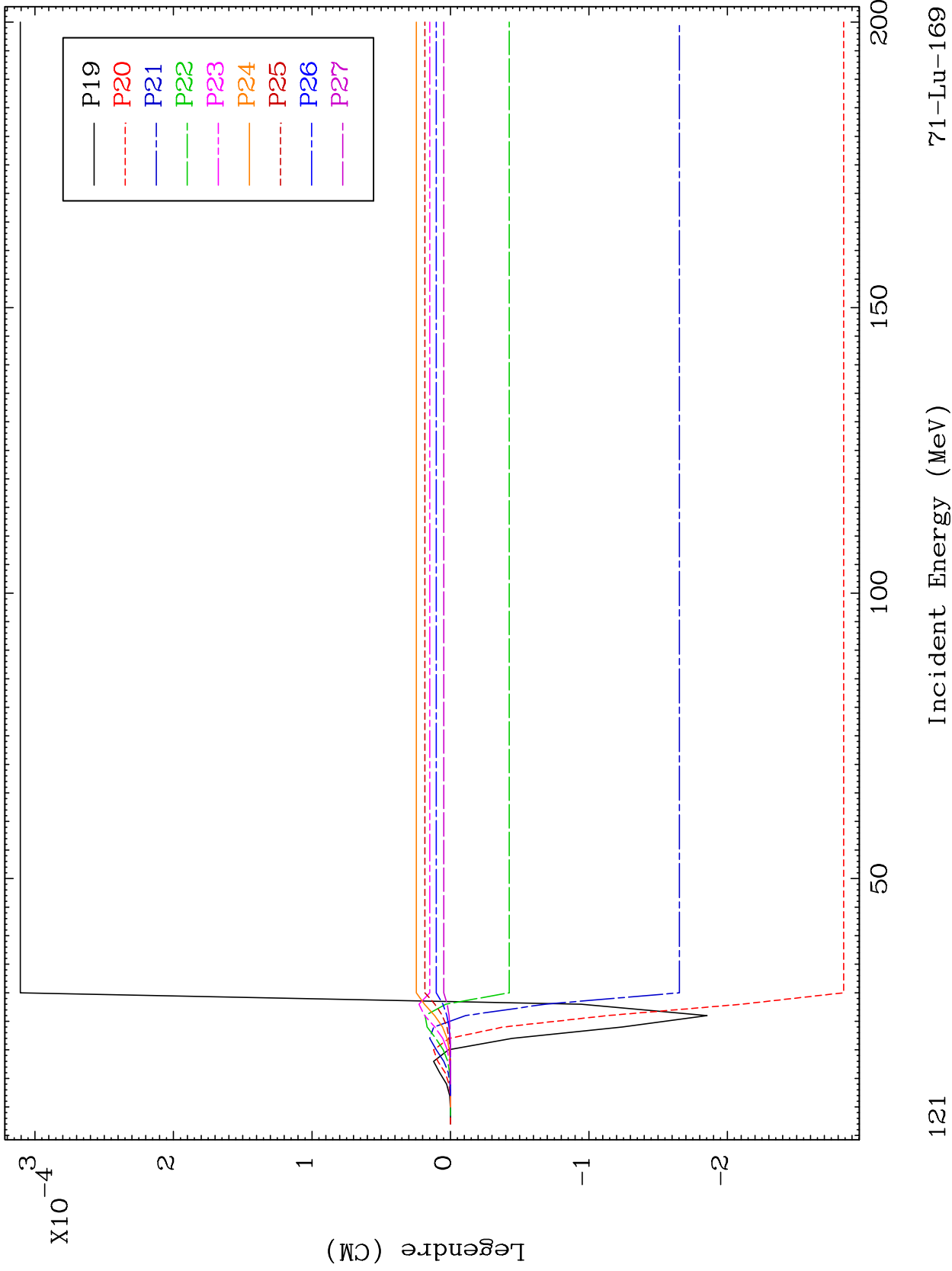
Incident Energy (MeV)

120

MAT 7107

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

71-Lu-169

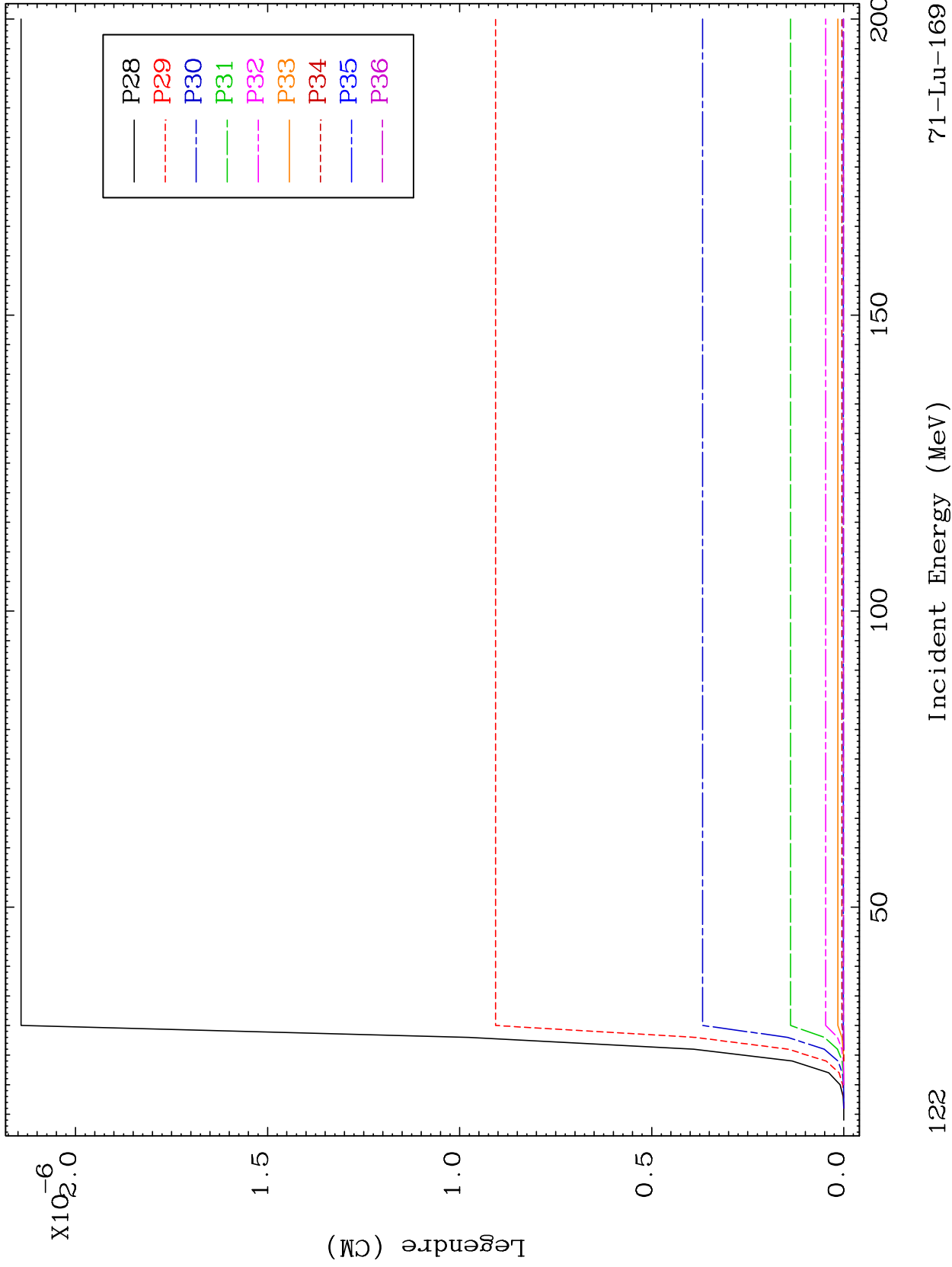


121

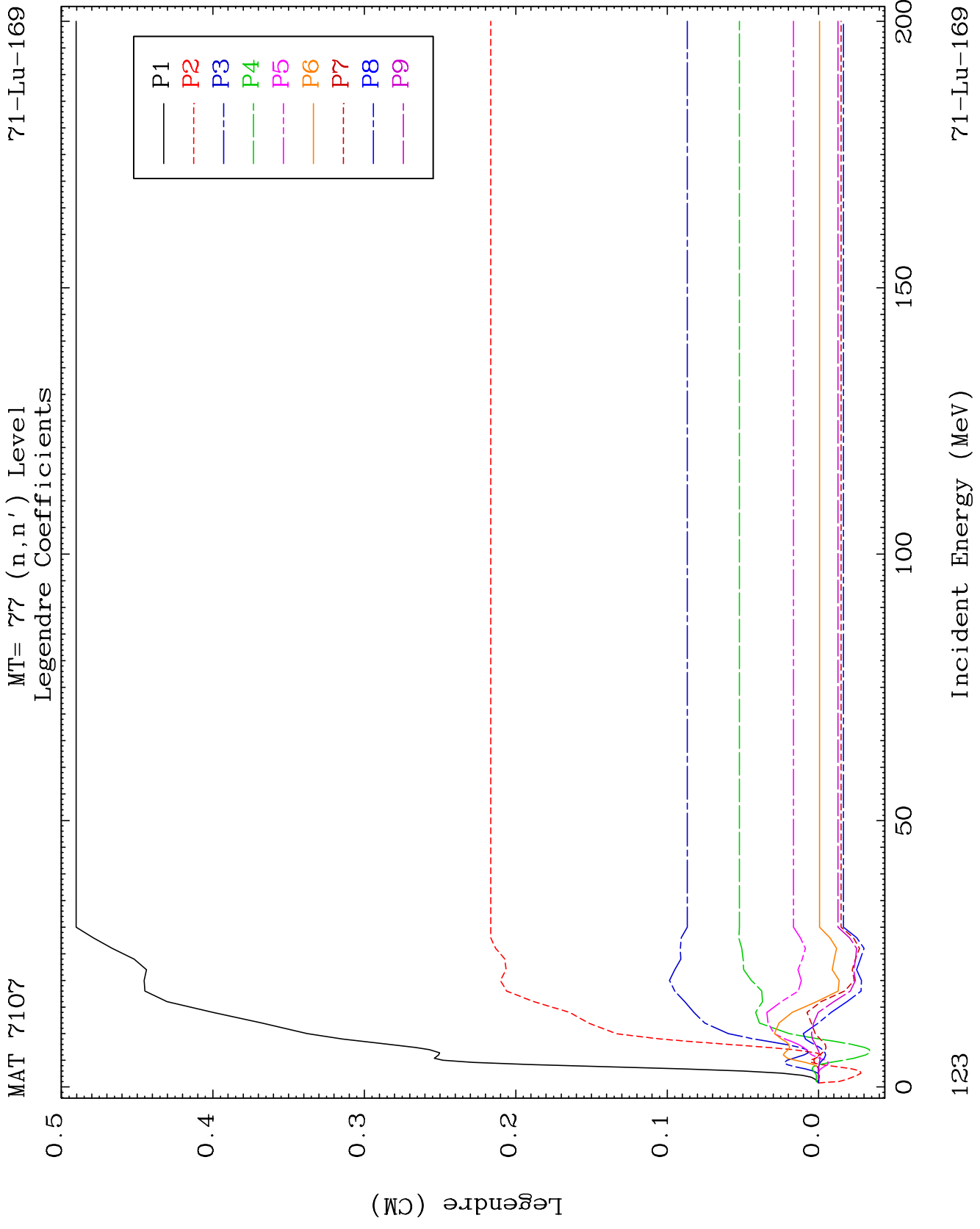
MAT 7107

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

71-Lu-169



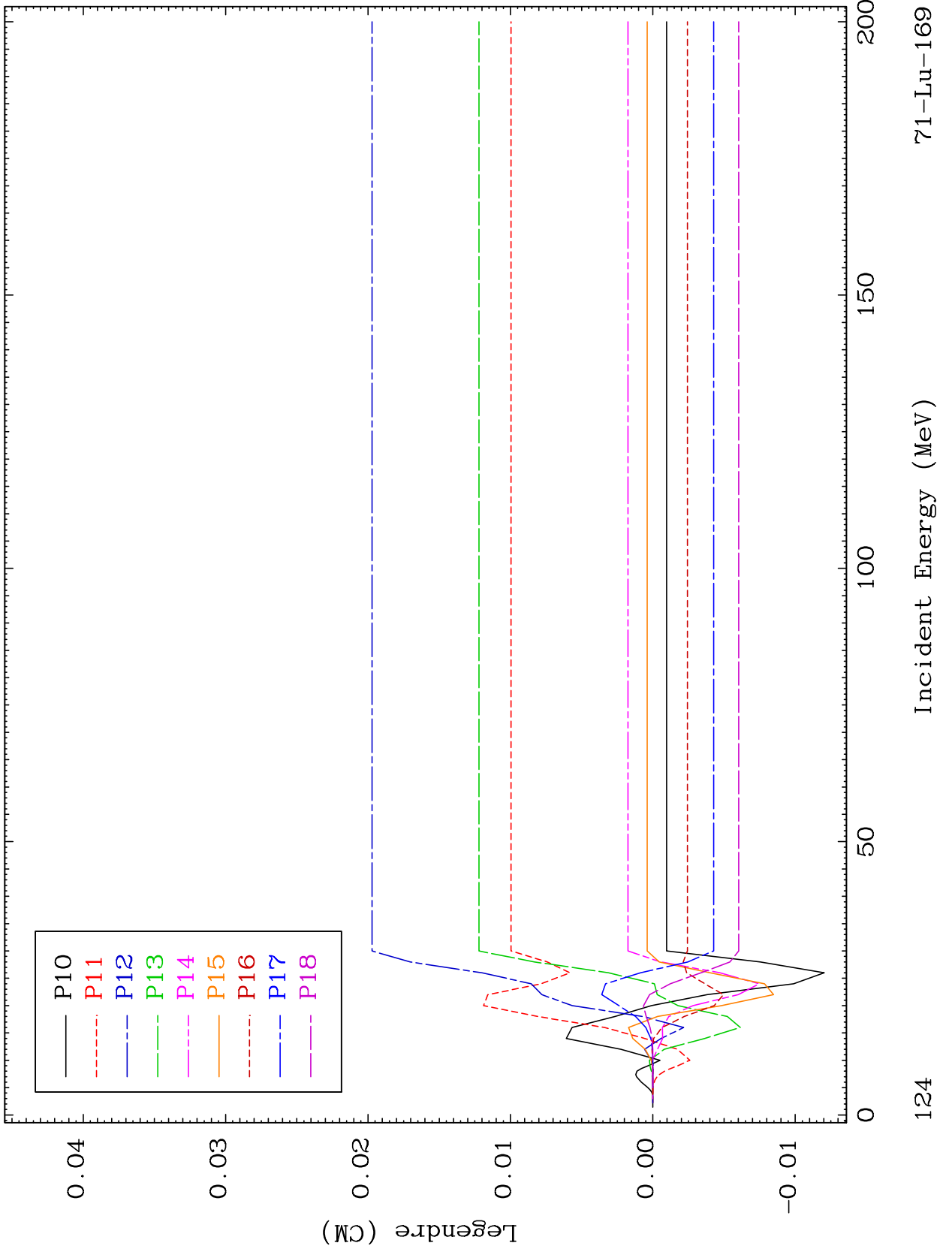
122



MAT 7107

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

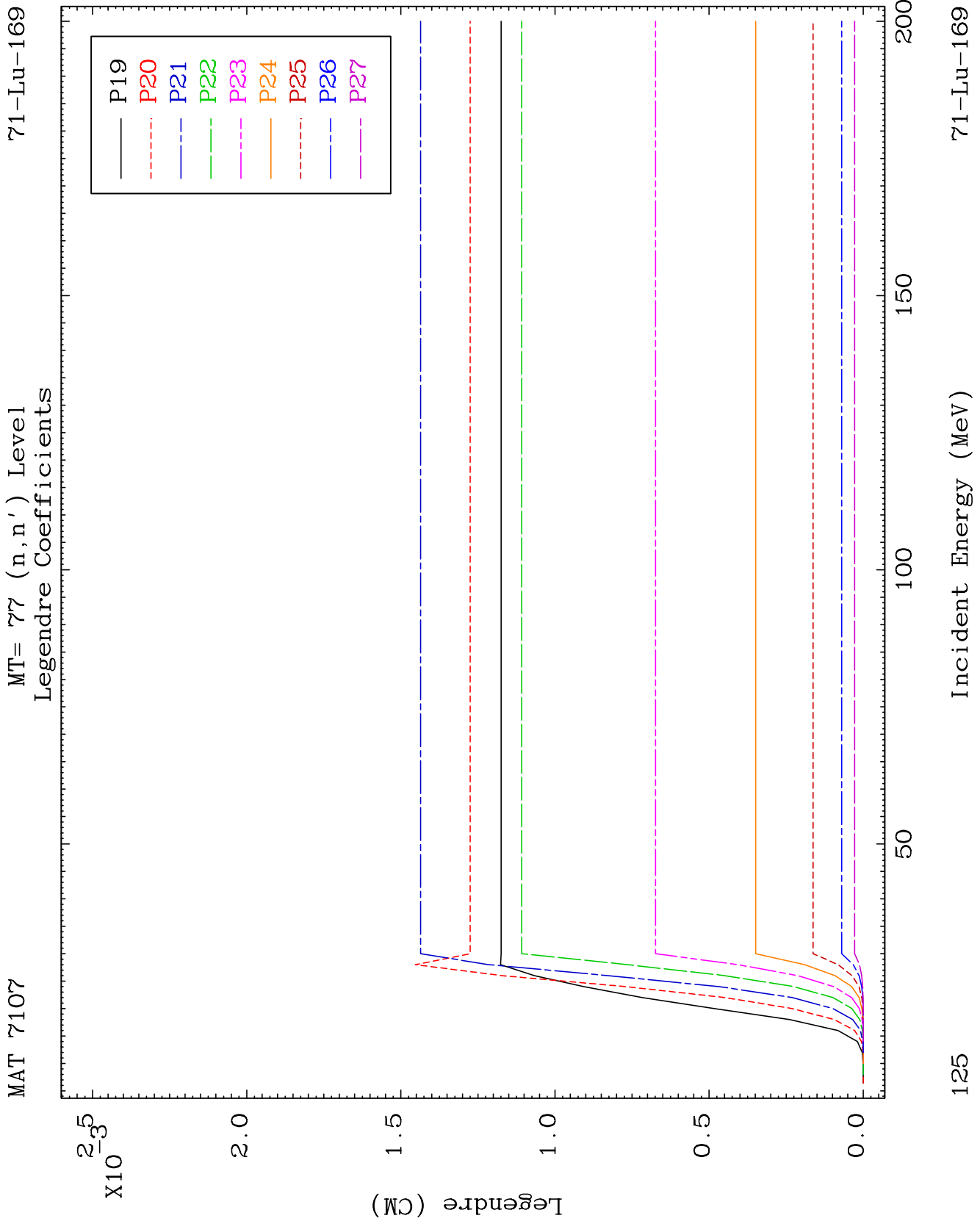
71-Lu-169

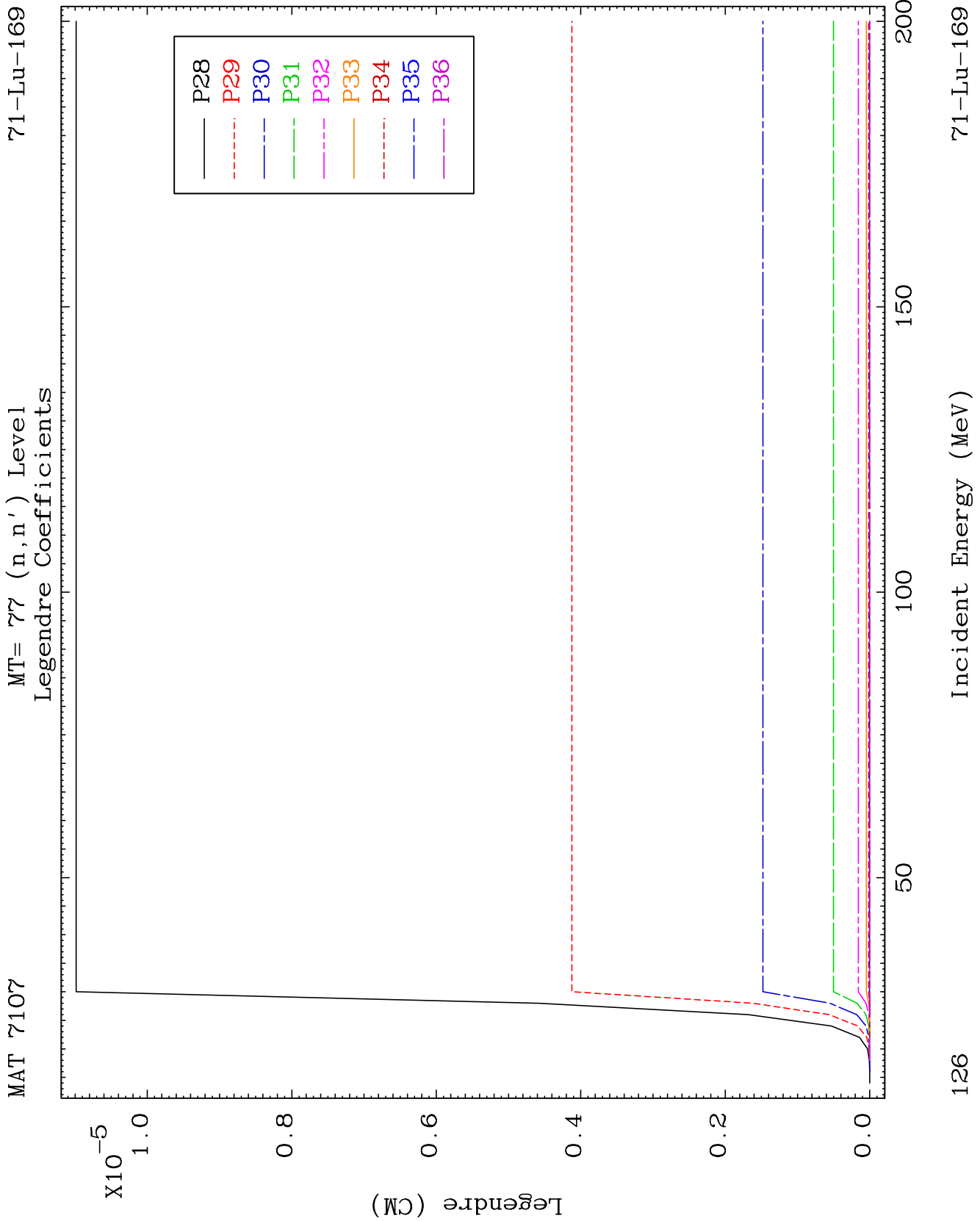


124

Incident Energy (MeV)

71-Lu-169

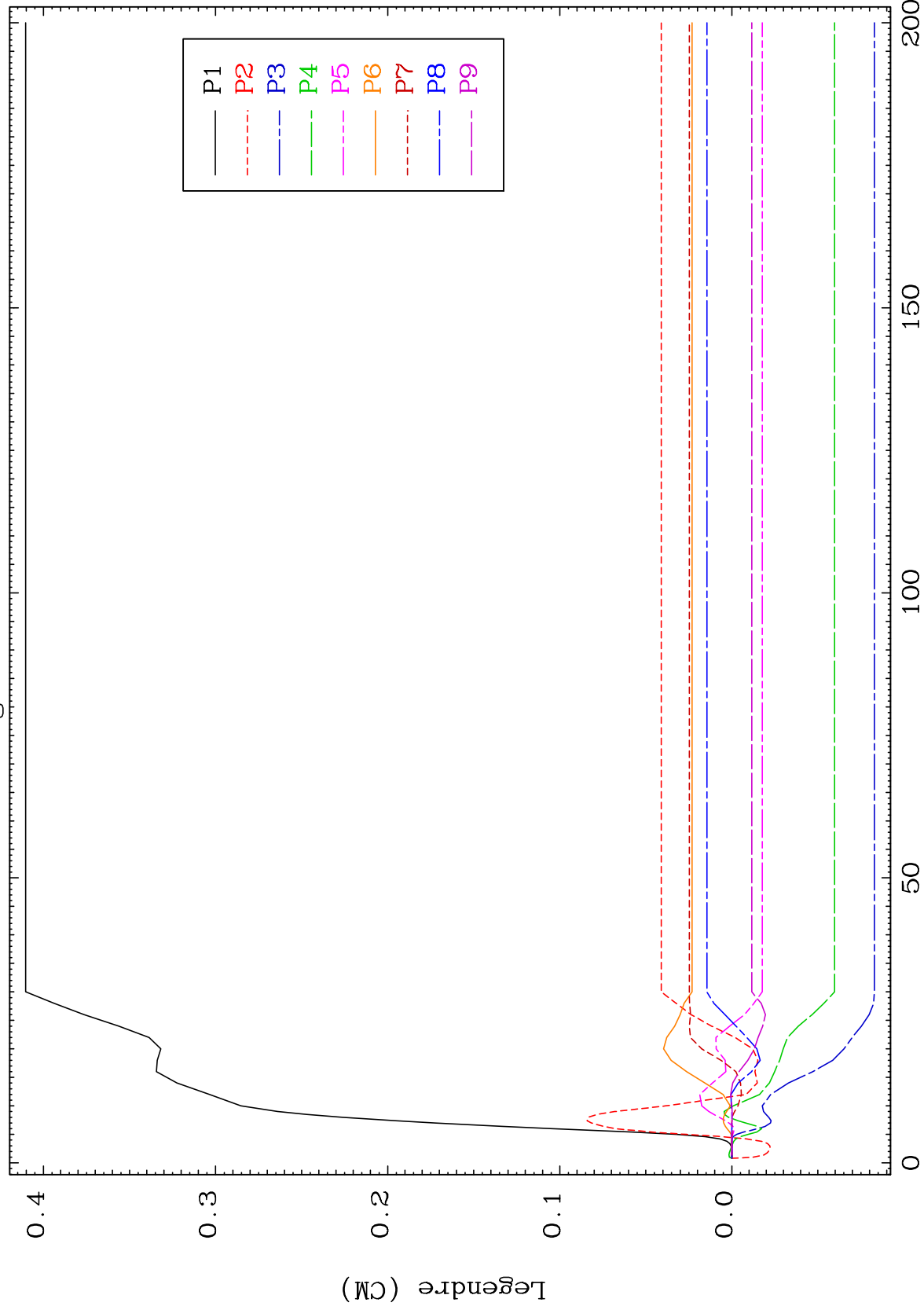




MAT 7107

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

71-Lu-169



127

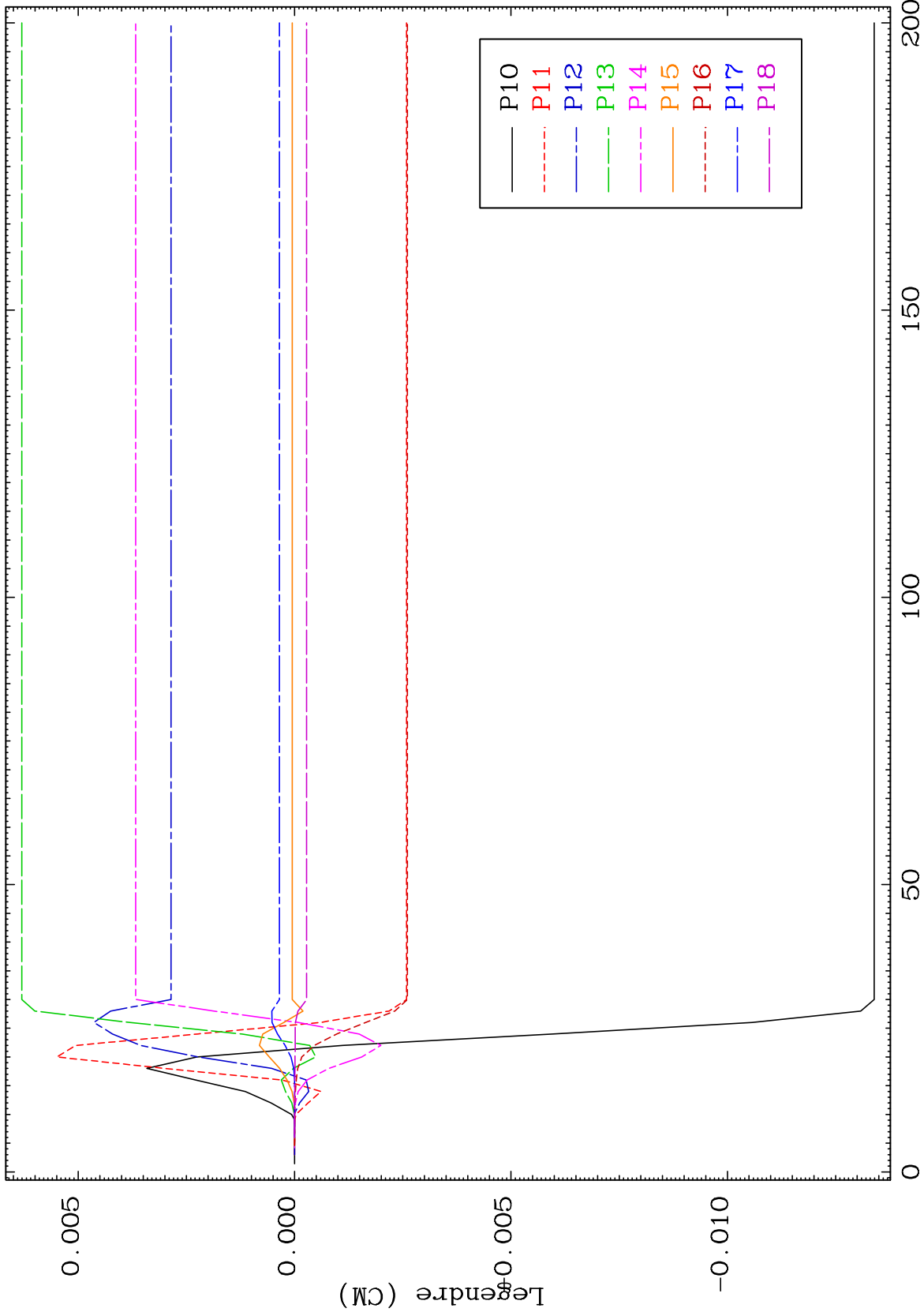
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



128

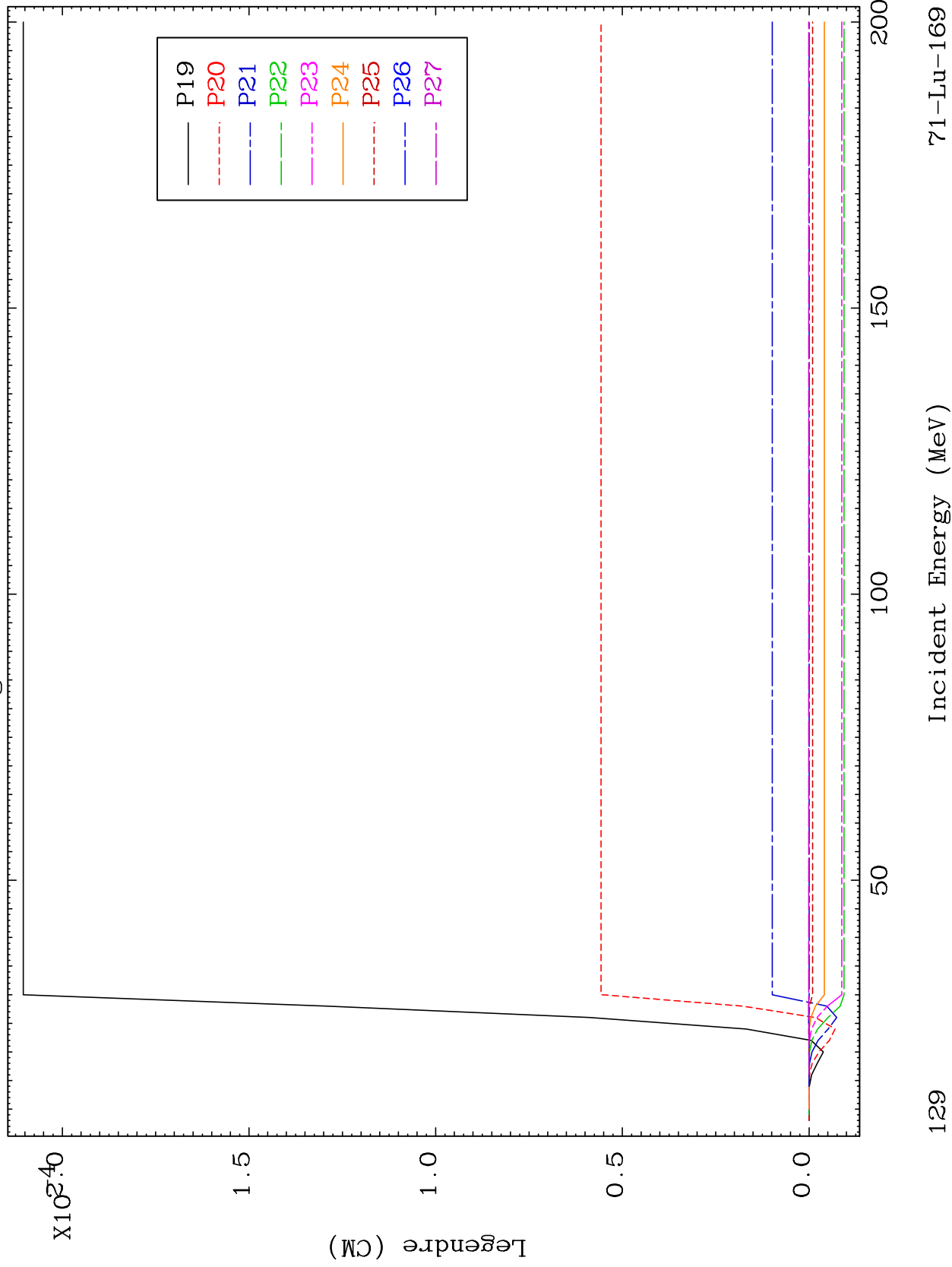
Incident Energy (MeV)

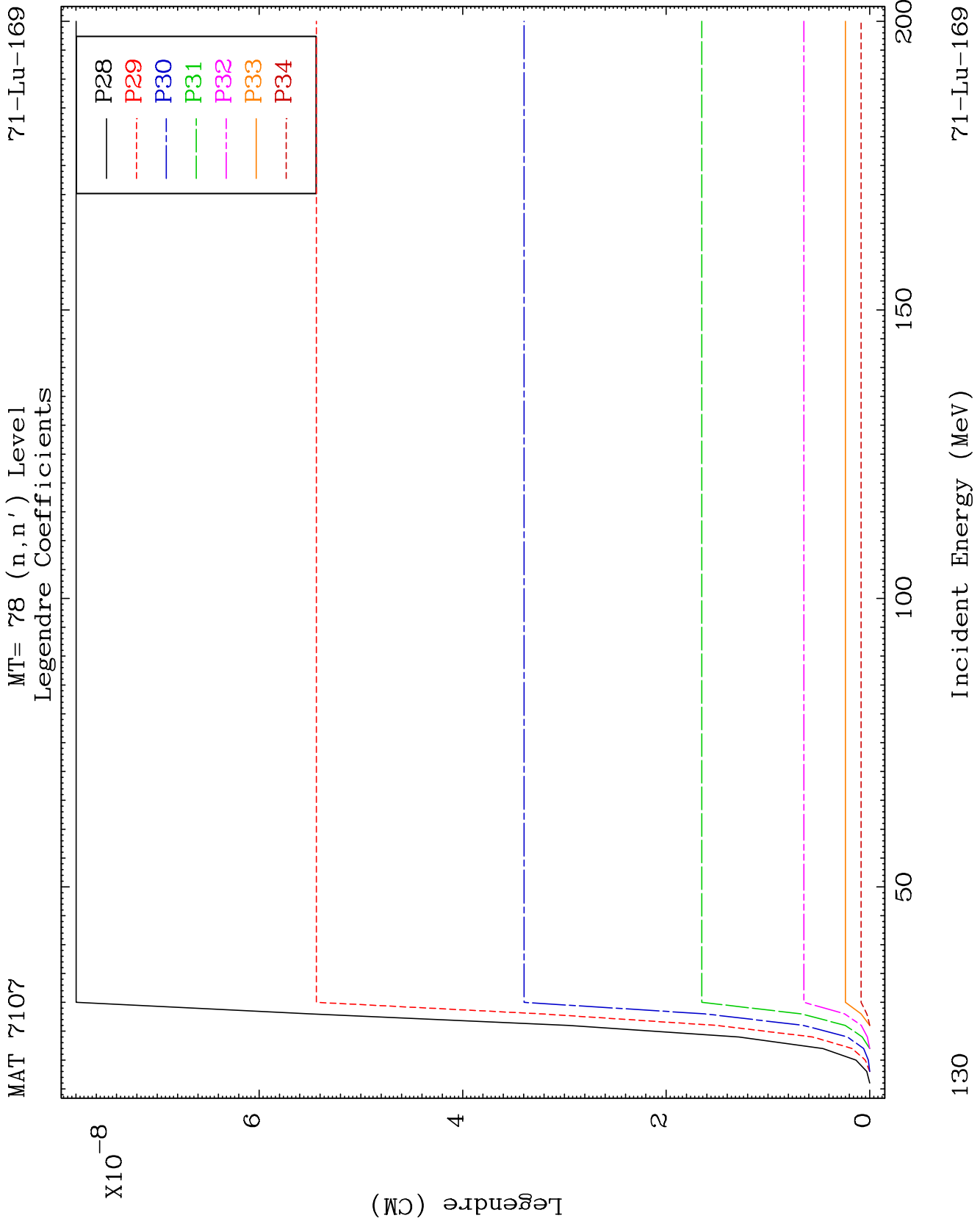
71-Lu-169

MAT 7107

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

71-Lu-169

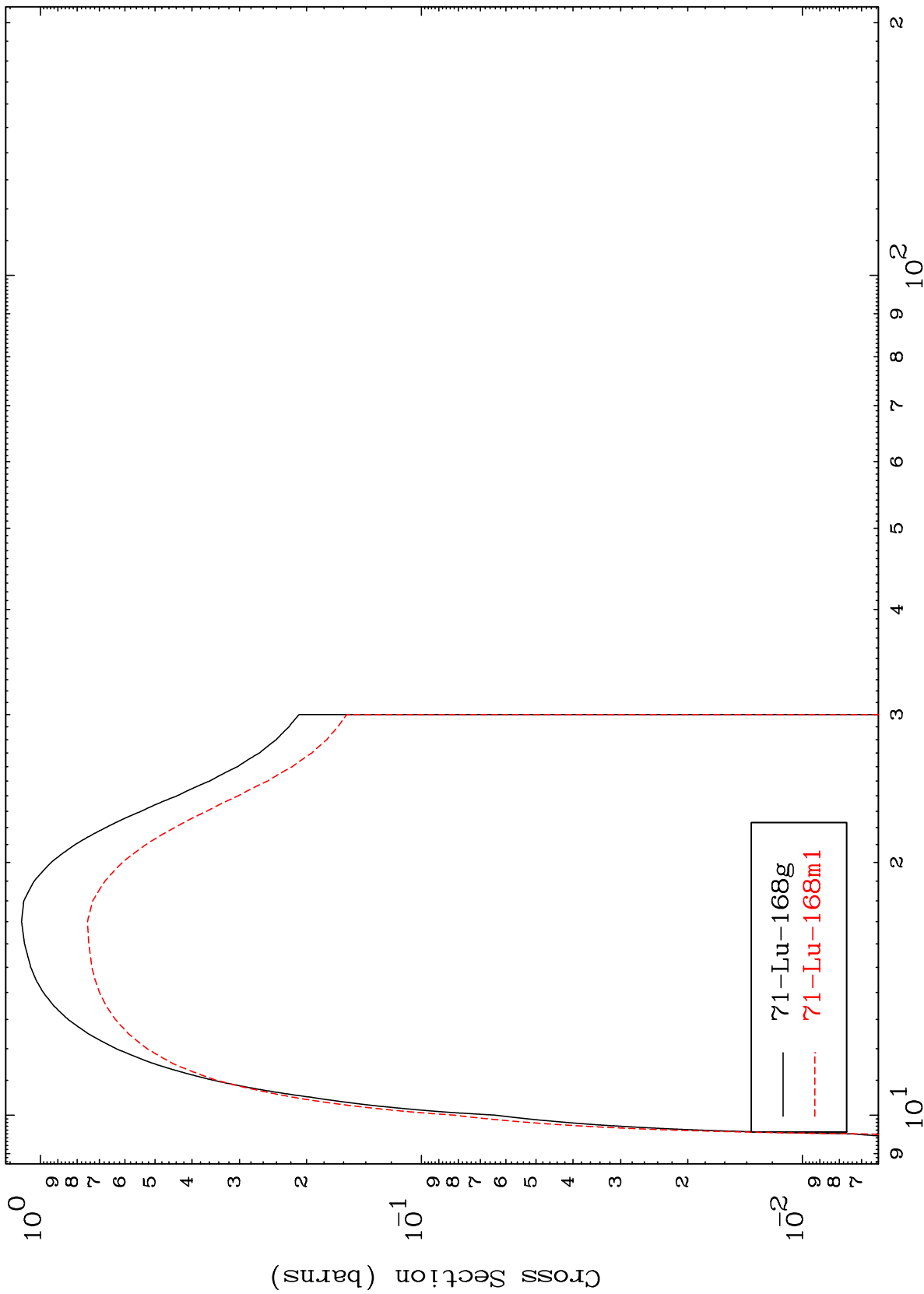




MAT 7107

71-Lu-169

Radionuclide Production Cross Section
(n,2n)



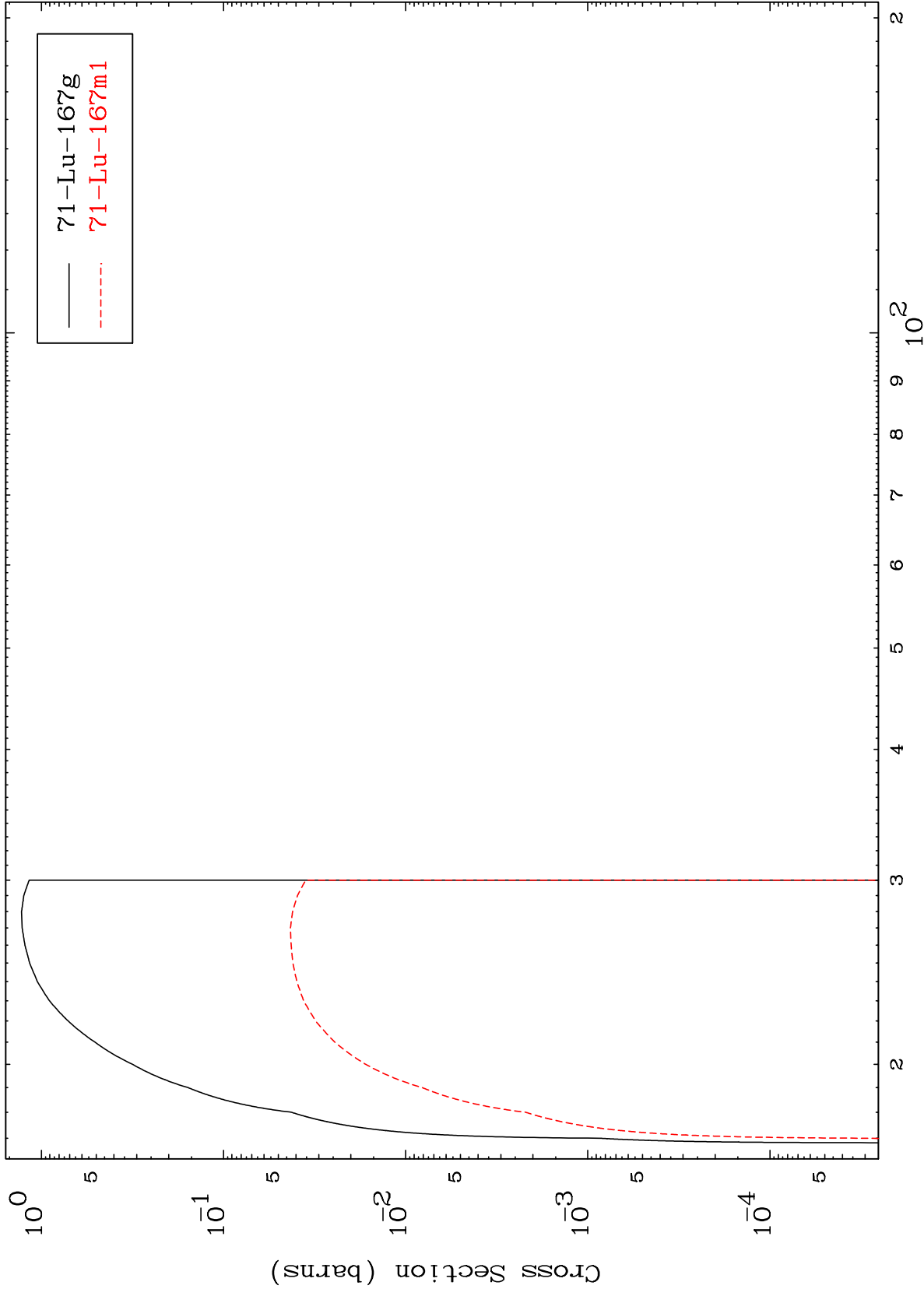
71-Lu-168g
71-Lu-168m1

71-Lu-169

Incident Energy (MeV)

132

Radionuclide Production Cross Section

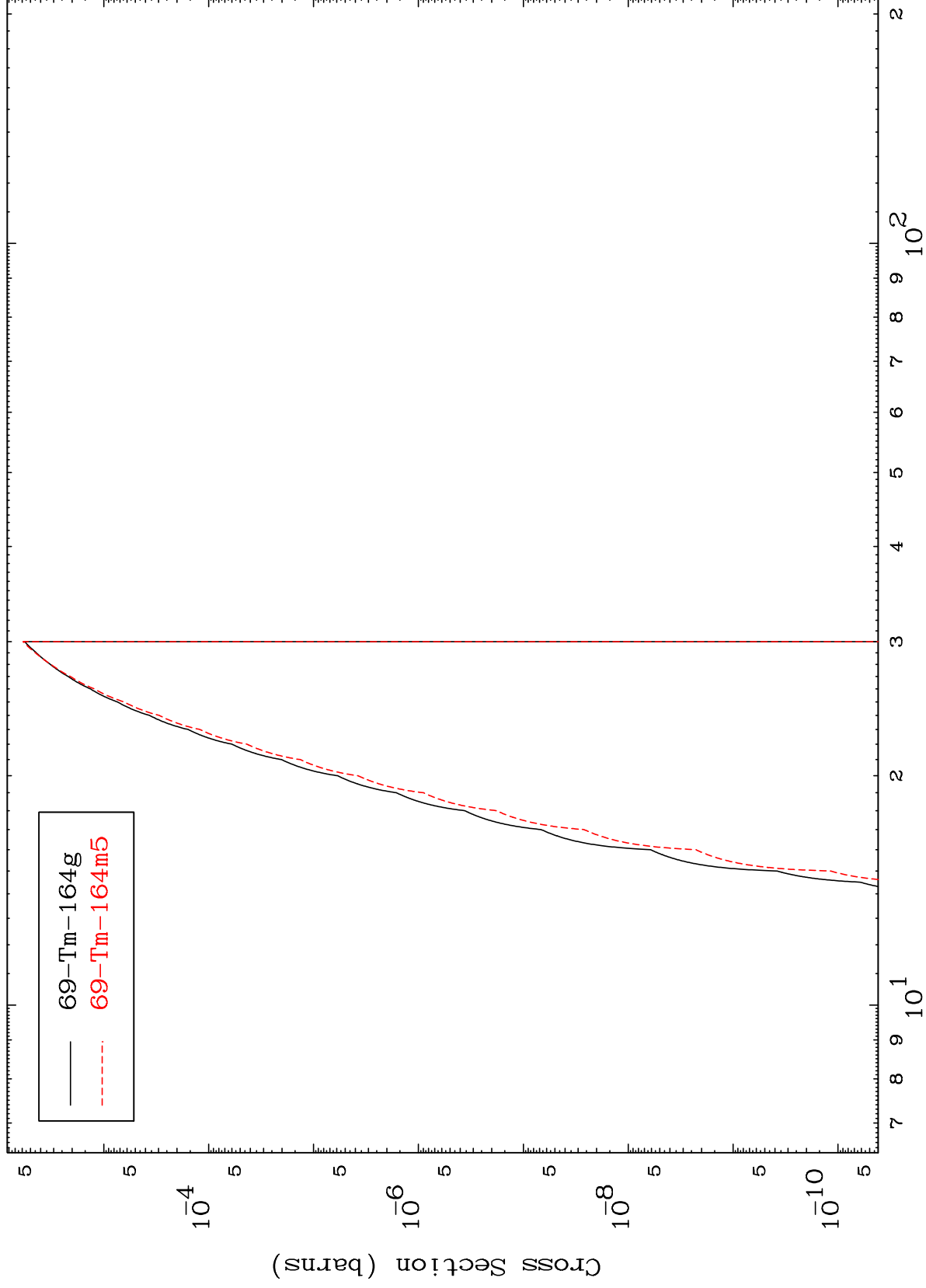


MAT 7107

$(n,2n) \alpha$

71-Lu-169

Radionuclide Production Cross Section



134

Incident Energy (MeV)

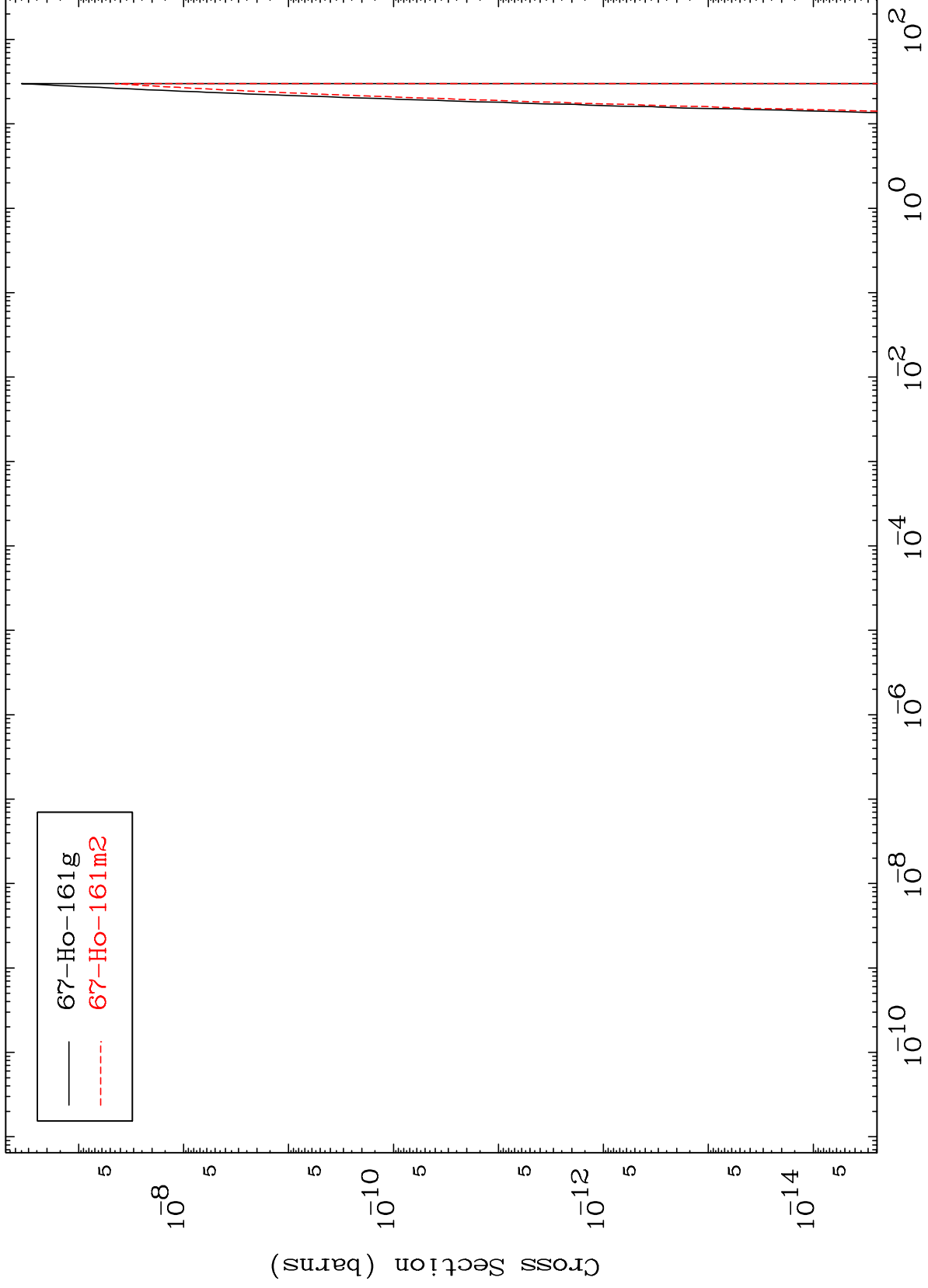
71-Lu-169

MAT 7107

(n, n') 2α

$^{71}\text{Lu-169}$

Radionuclide Production Cross Section

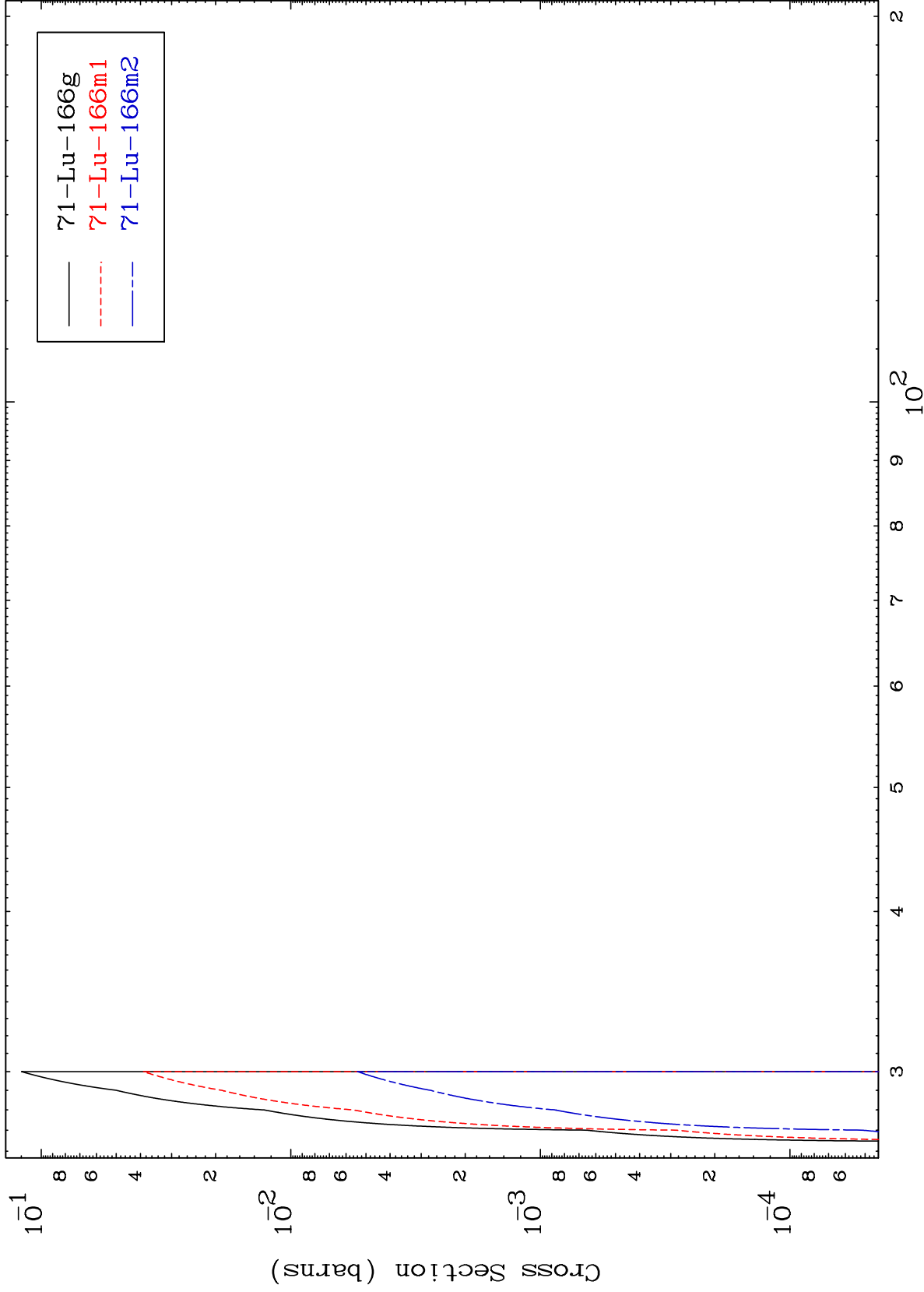


135

Incident Energy (MeV)

$^{71}\text{Lu-169}$

Radionuclide Production Cross Section

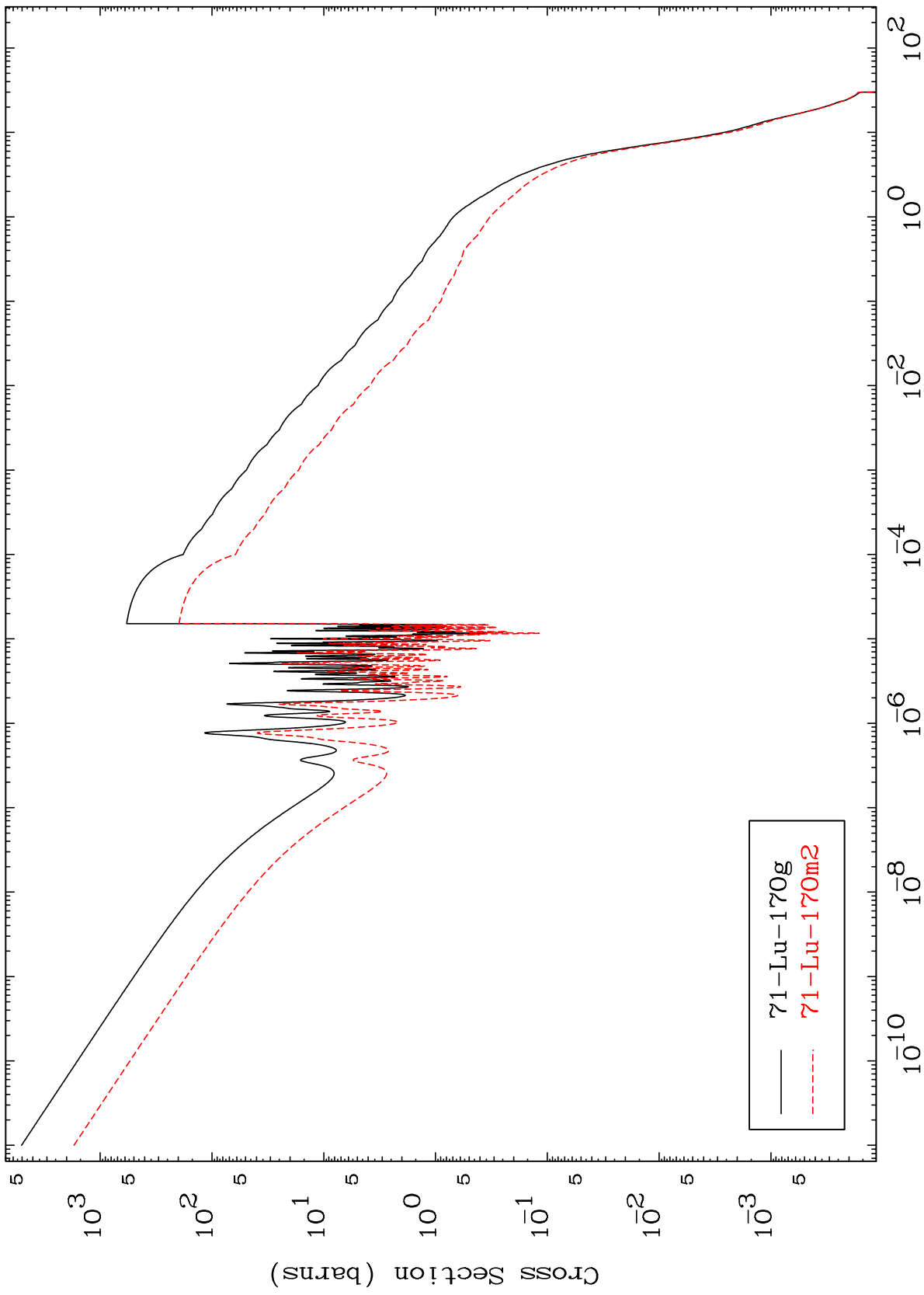


MAT 7107

71-Lu-169

Radionuclide Production Cross Section

(n, γ)



71-Lu-169

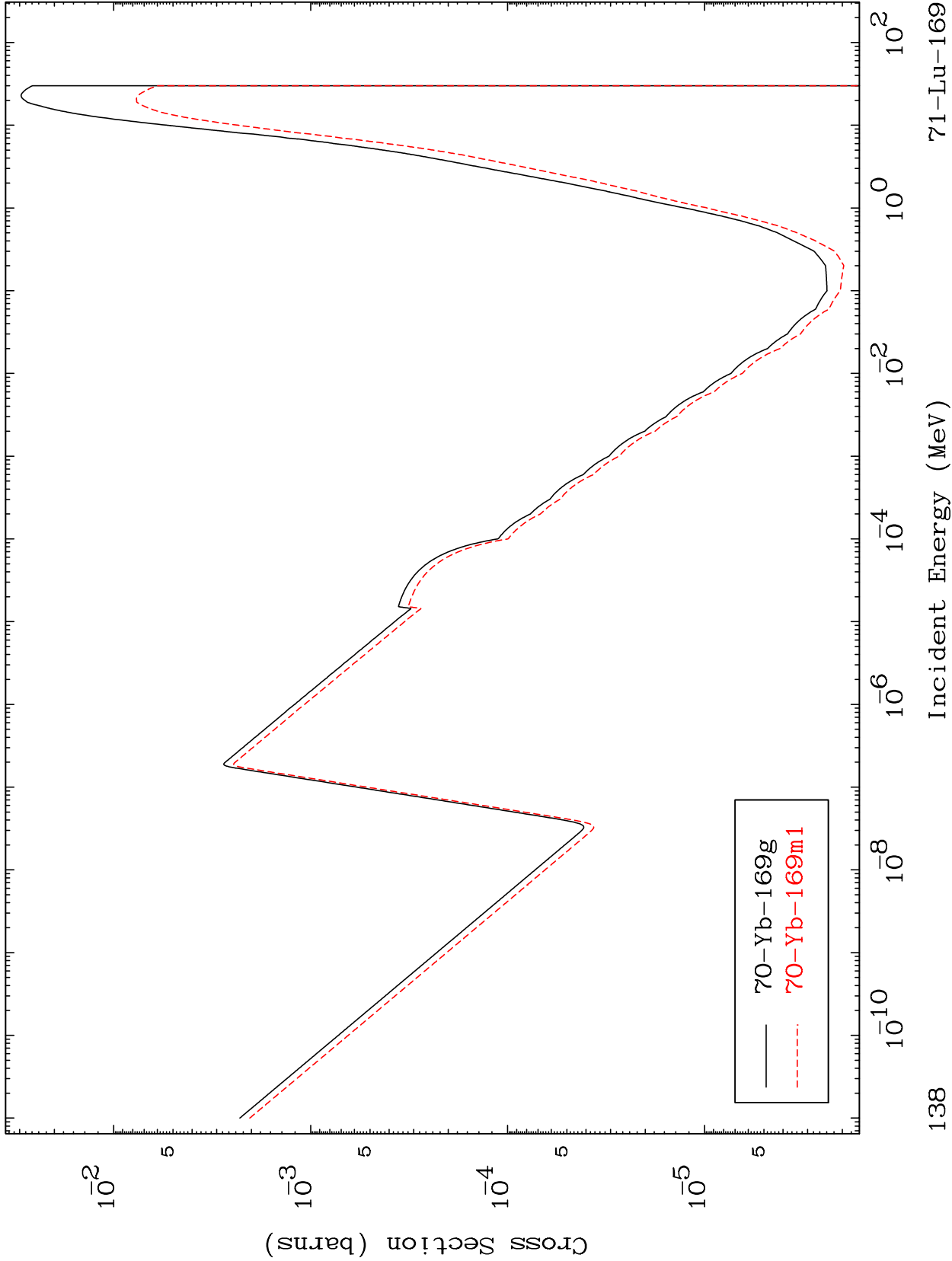
Incident Energy (MeV)

137

MAT 7107

71-Lu-169

(n,p)
Radionuclide Production Cross Section



MAT 7107

(n,2α)

⁷¹Lu-169

Radionuclide Production Cross Section

