

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

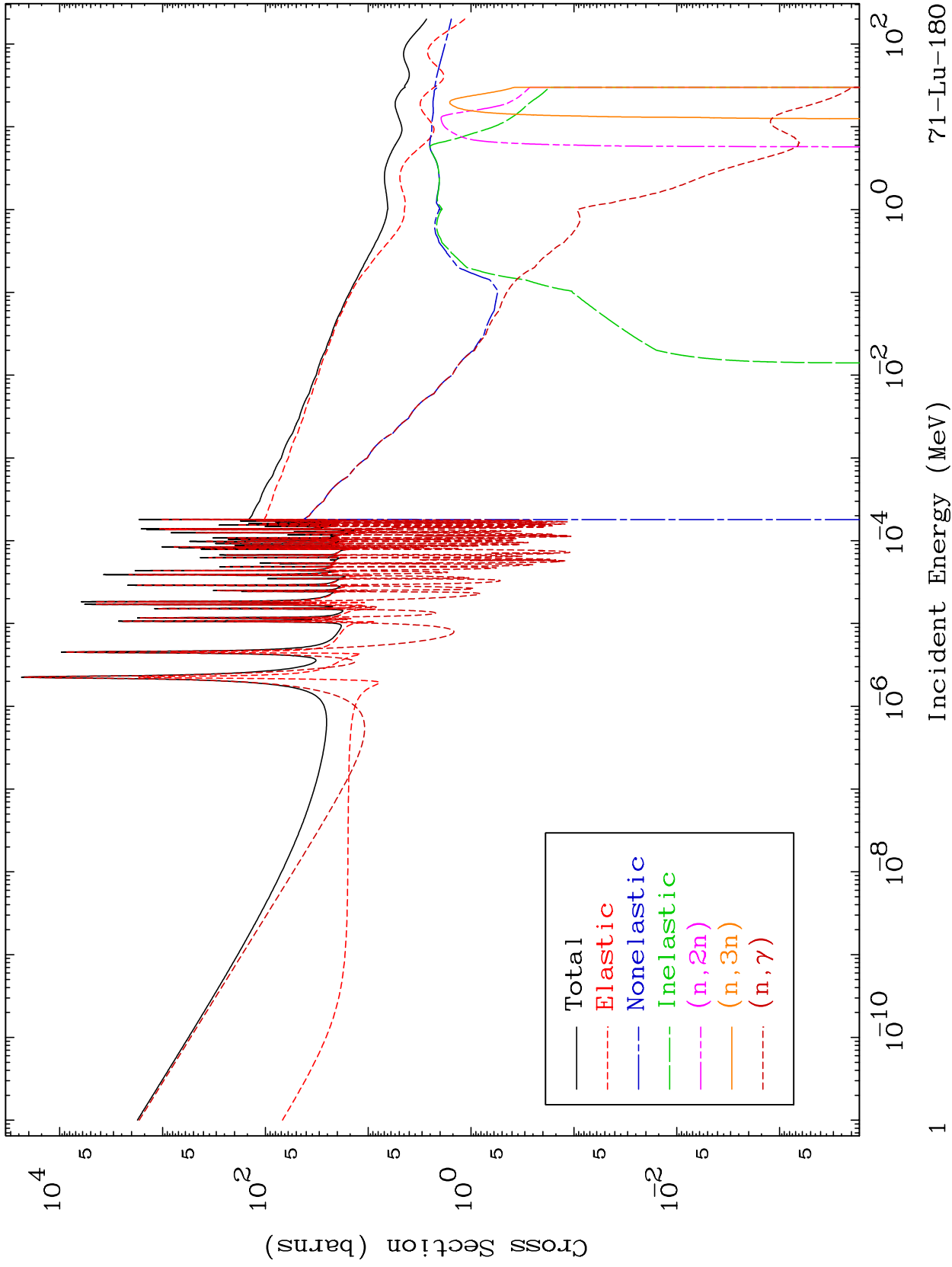
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7140

Neutron Major
293 Kelvin Cross Sections

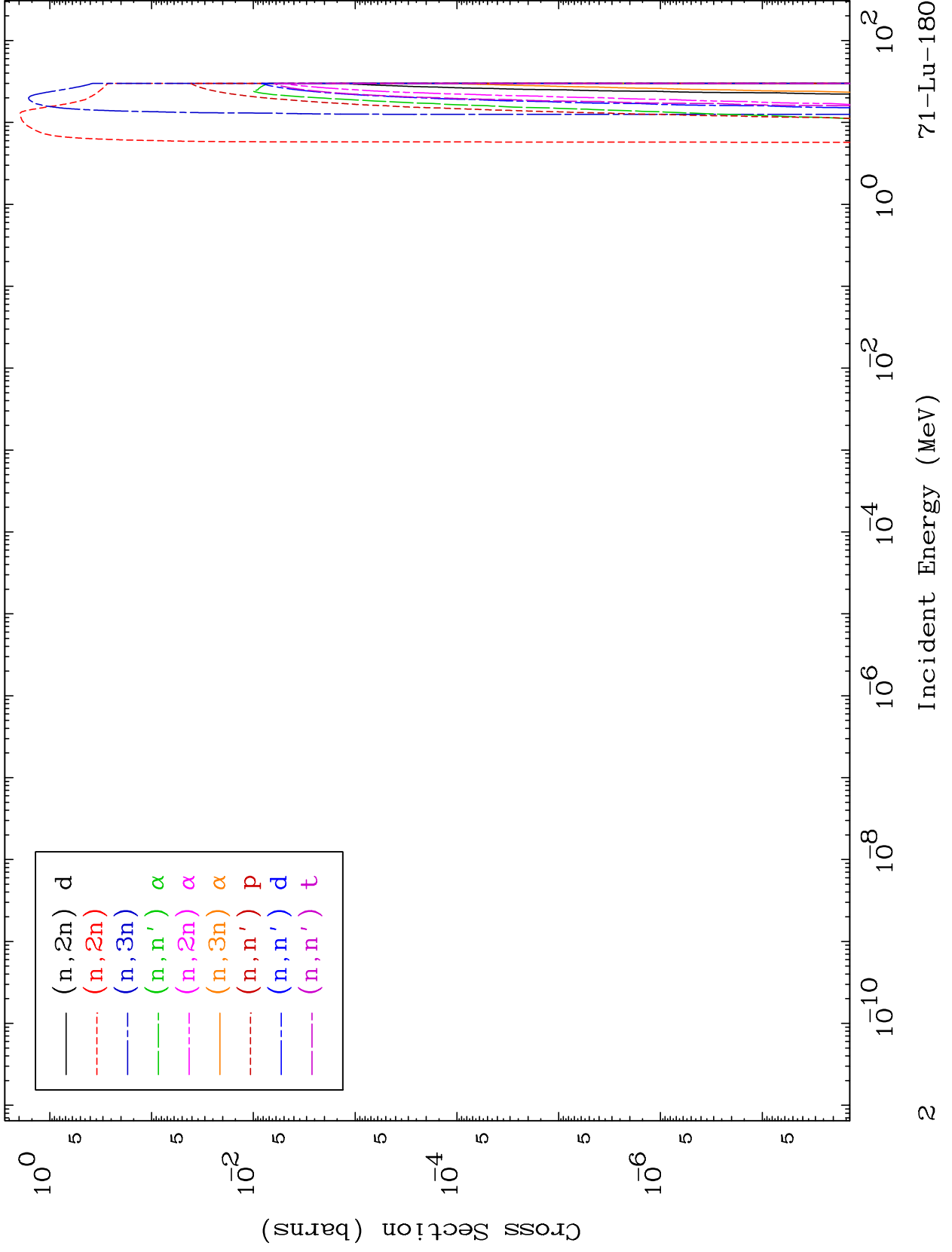
71-Lu-180



MAT 7140

Neutron Absorption
293 Kelvin Cross Sections

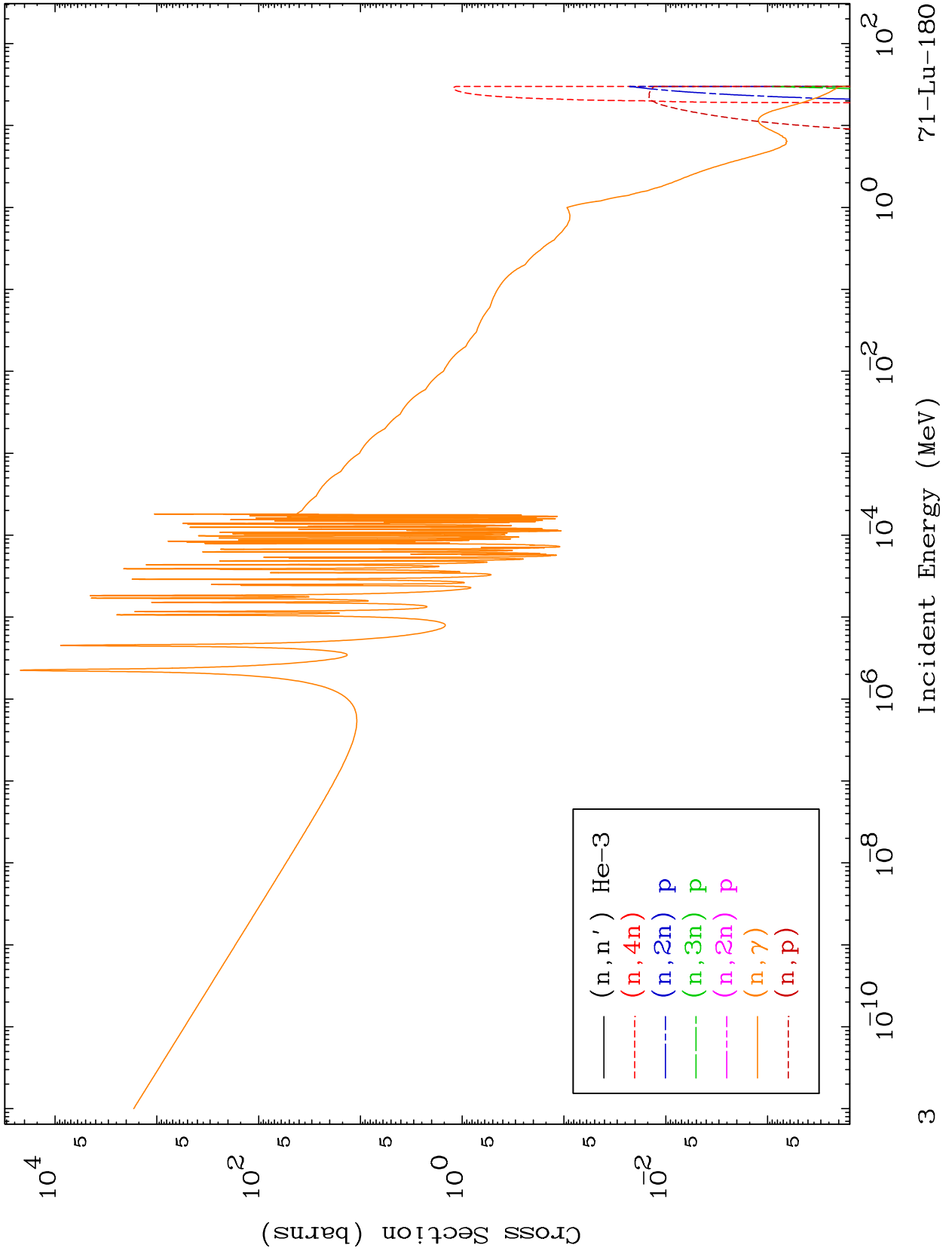
71-Lu-180

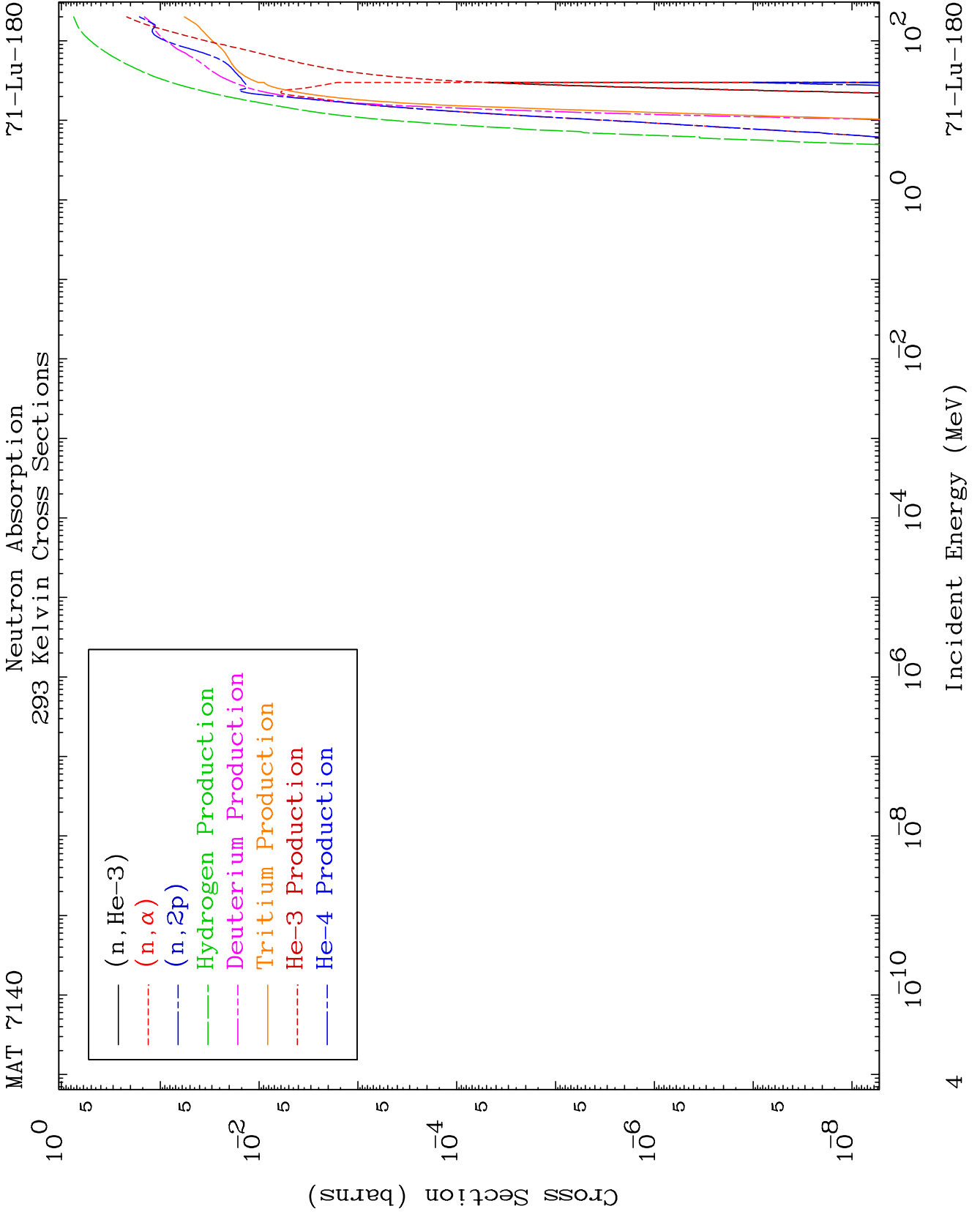


MAT 7140

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-180

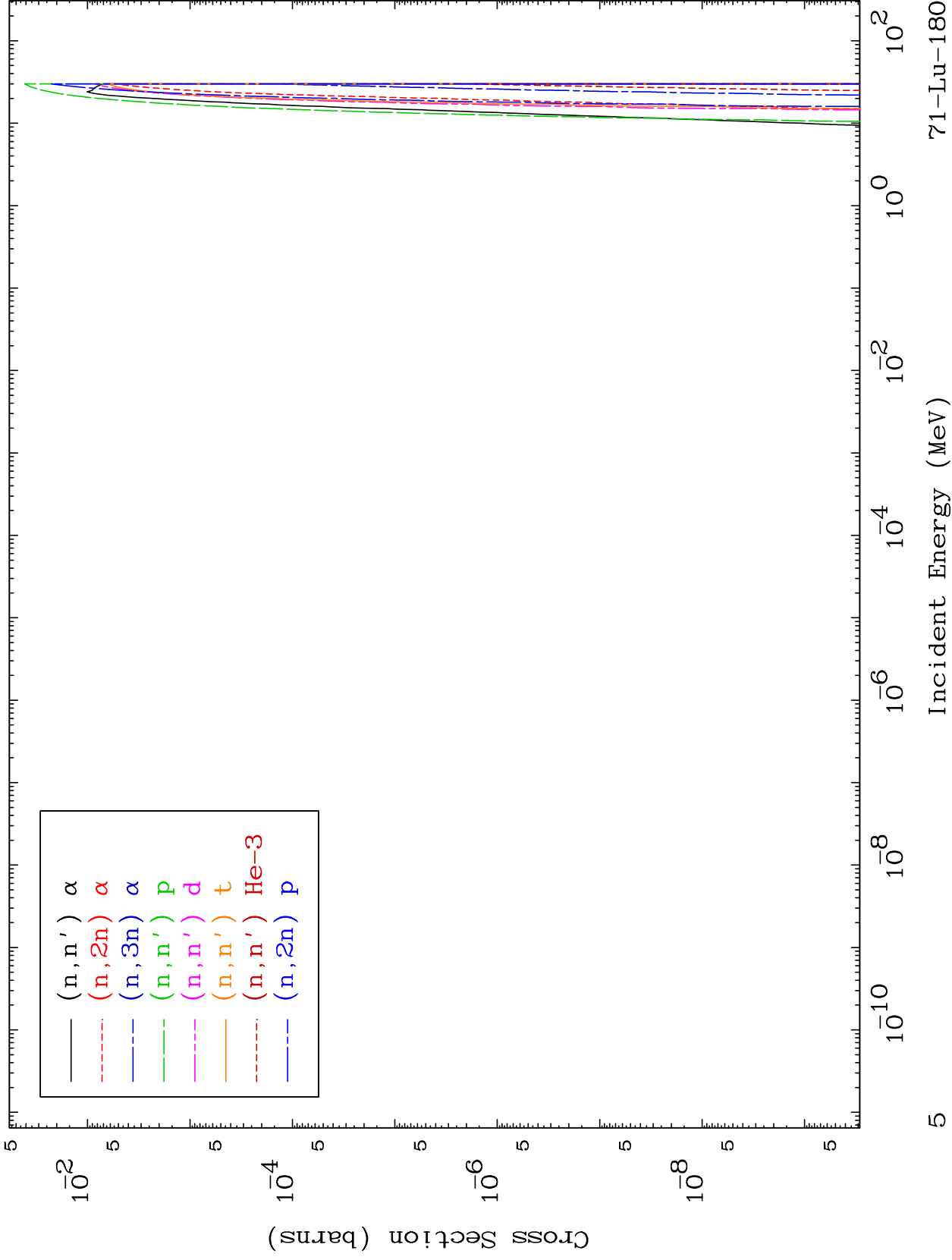




MAT 7140

Charged Particle
293 Kelvin Cross Sections

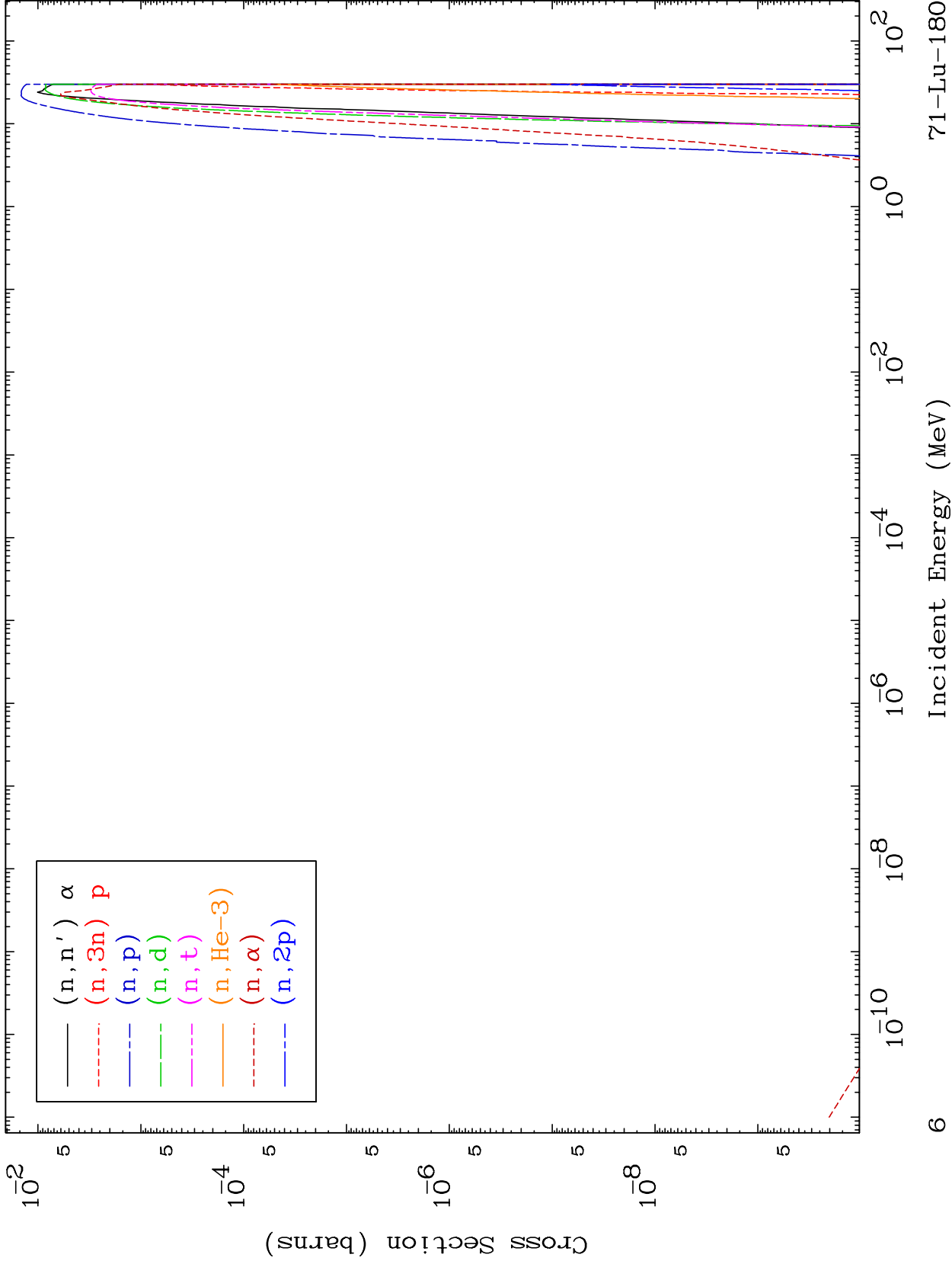
71-Lu-180



MAT 7140

Charged Particle
293 Kelvin Cross Sections

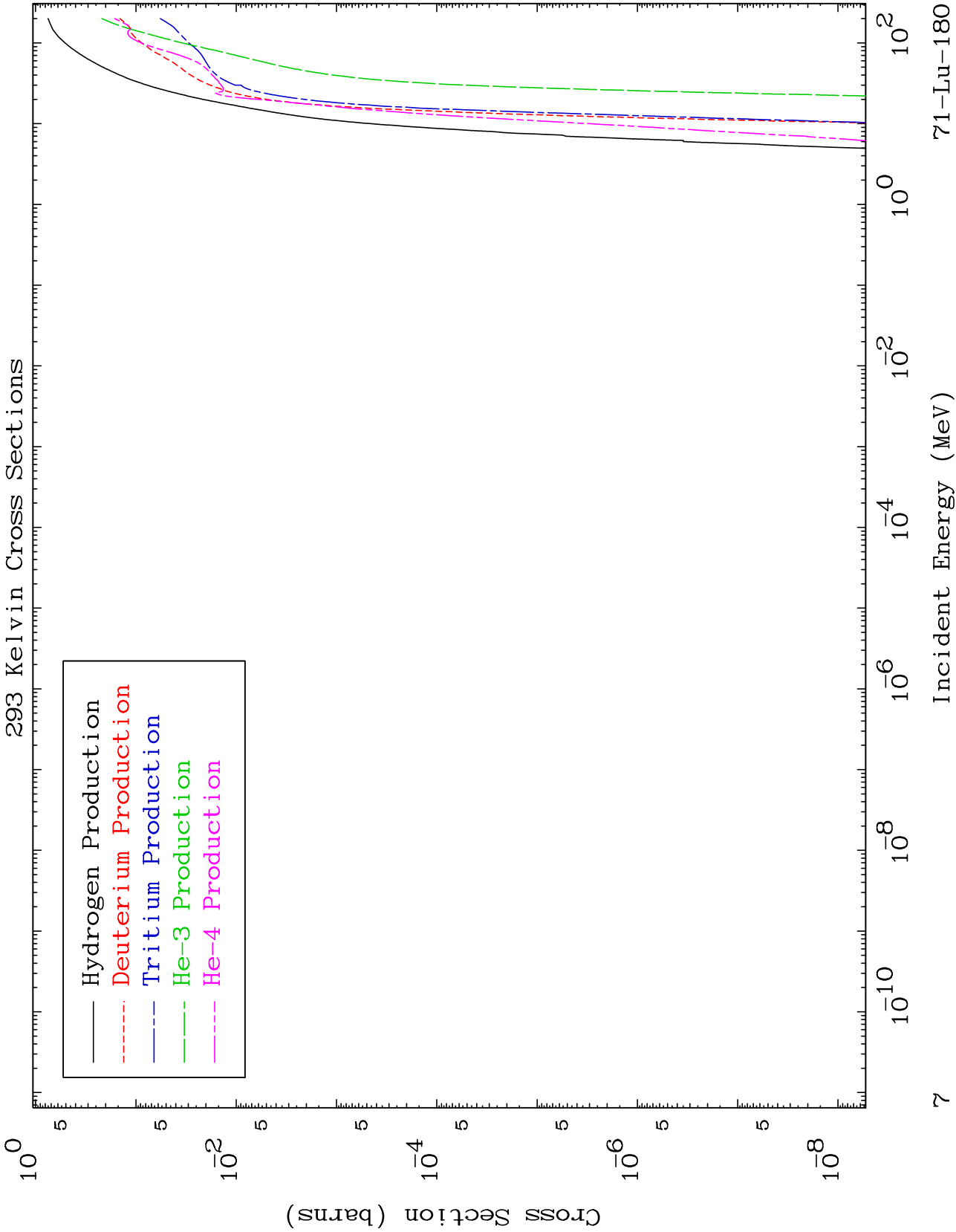
71-Lu-180

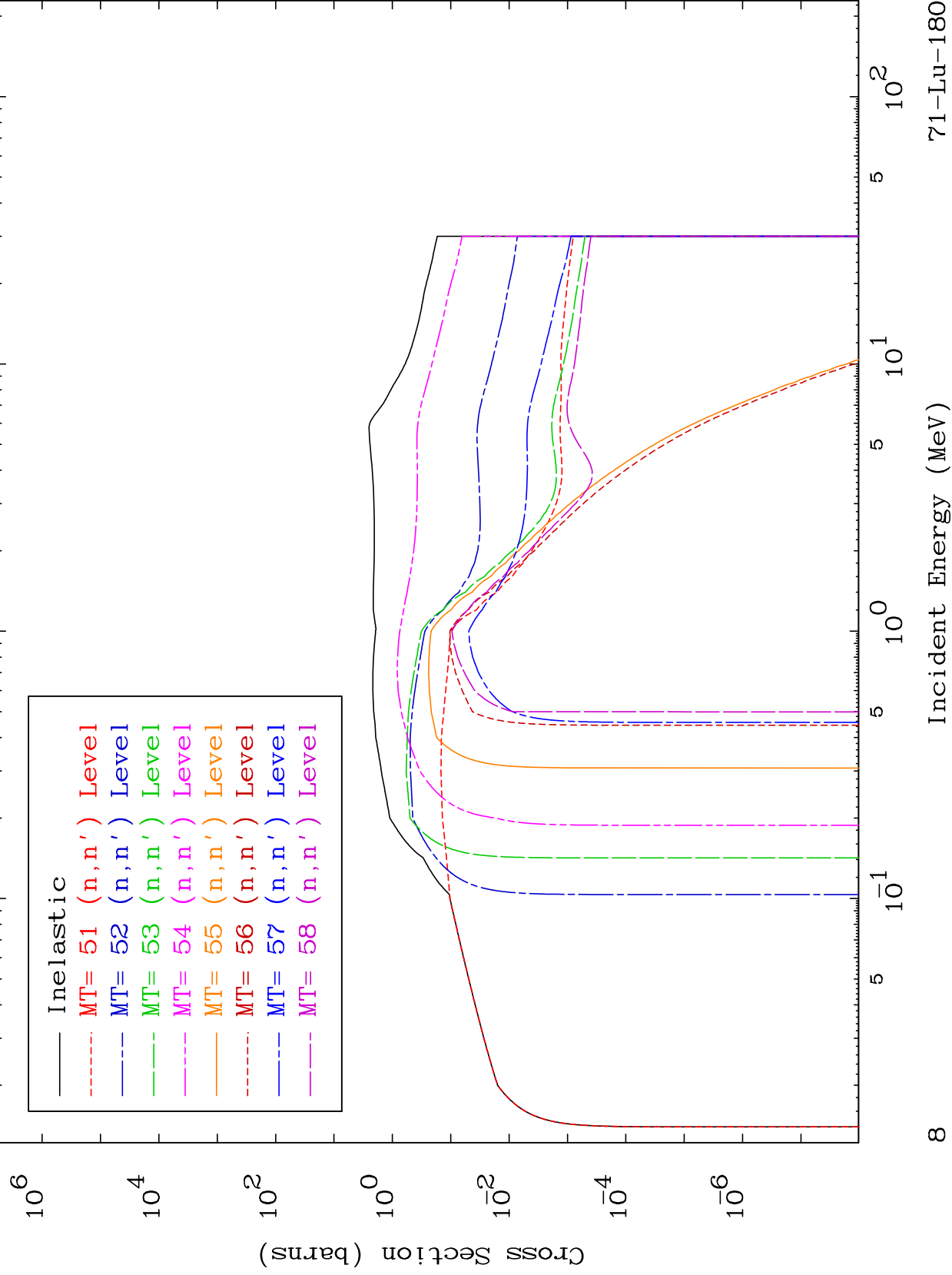


MAT 7140

Particle Production
293 Kelvin Cross Sections

71-Lu-180

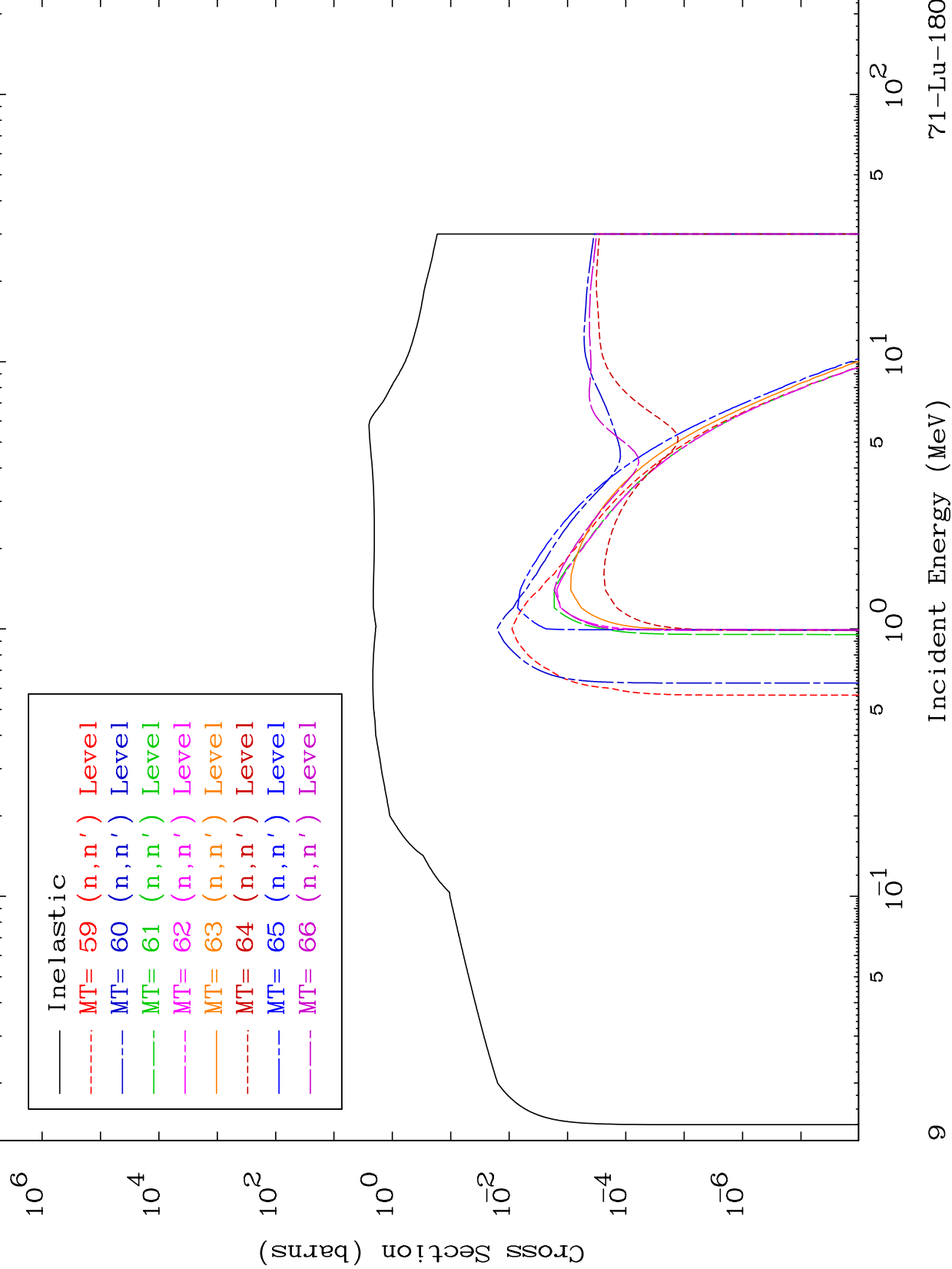




MAT 7140

293 Kelvin Cross Sections
(n,n') Levels

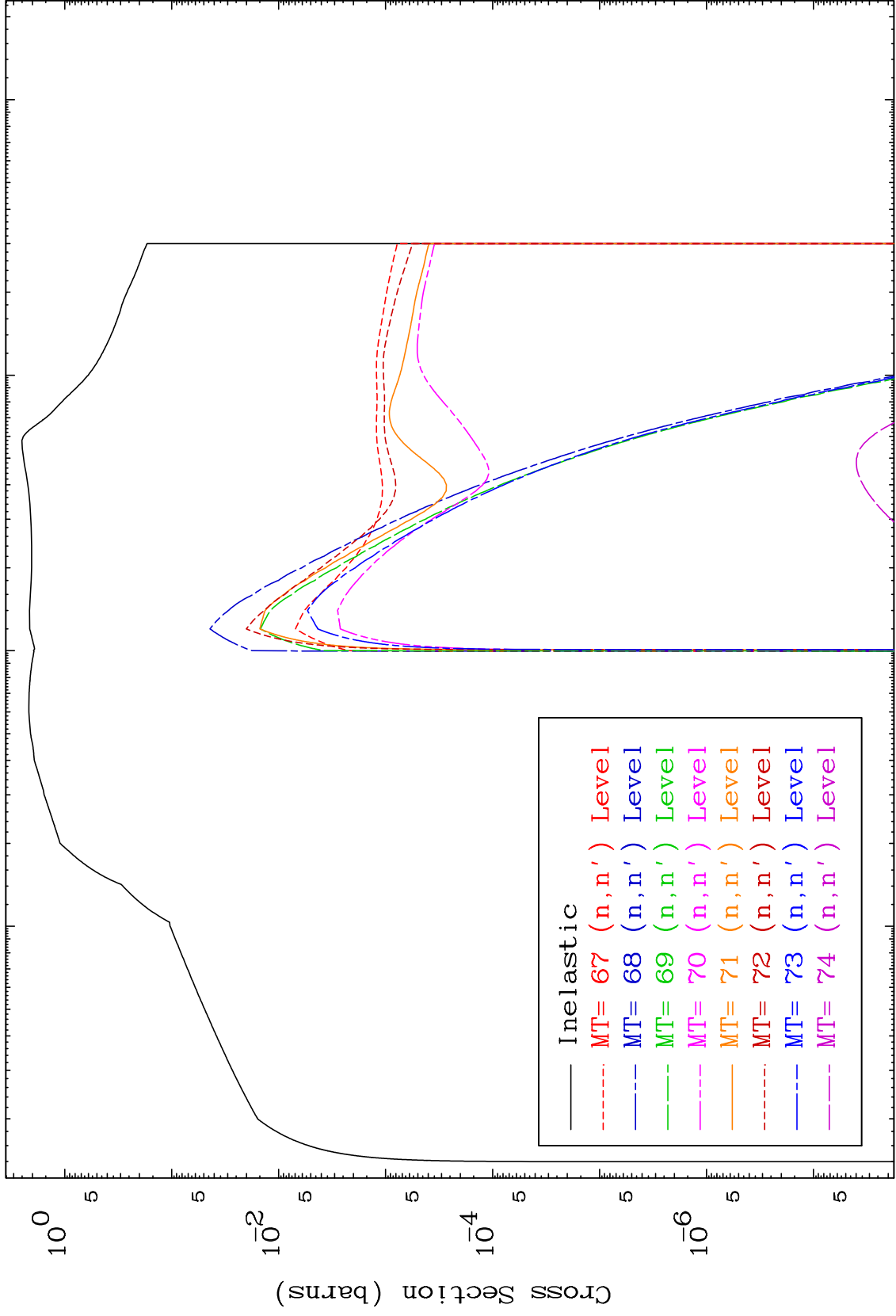
71-Lu-180



MAT 7140

293 Kelvin Cross Sections
(n,n') Levels

71-Lu-180



10

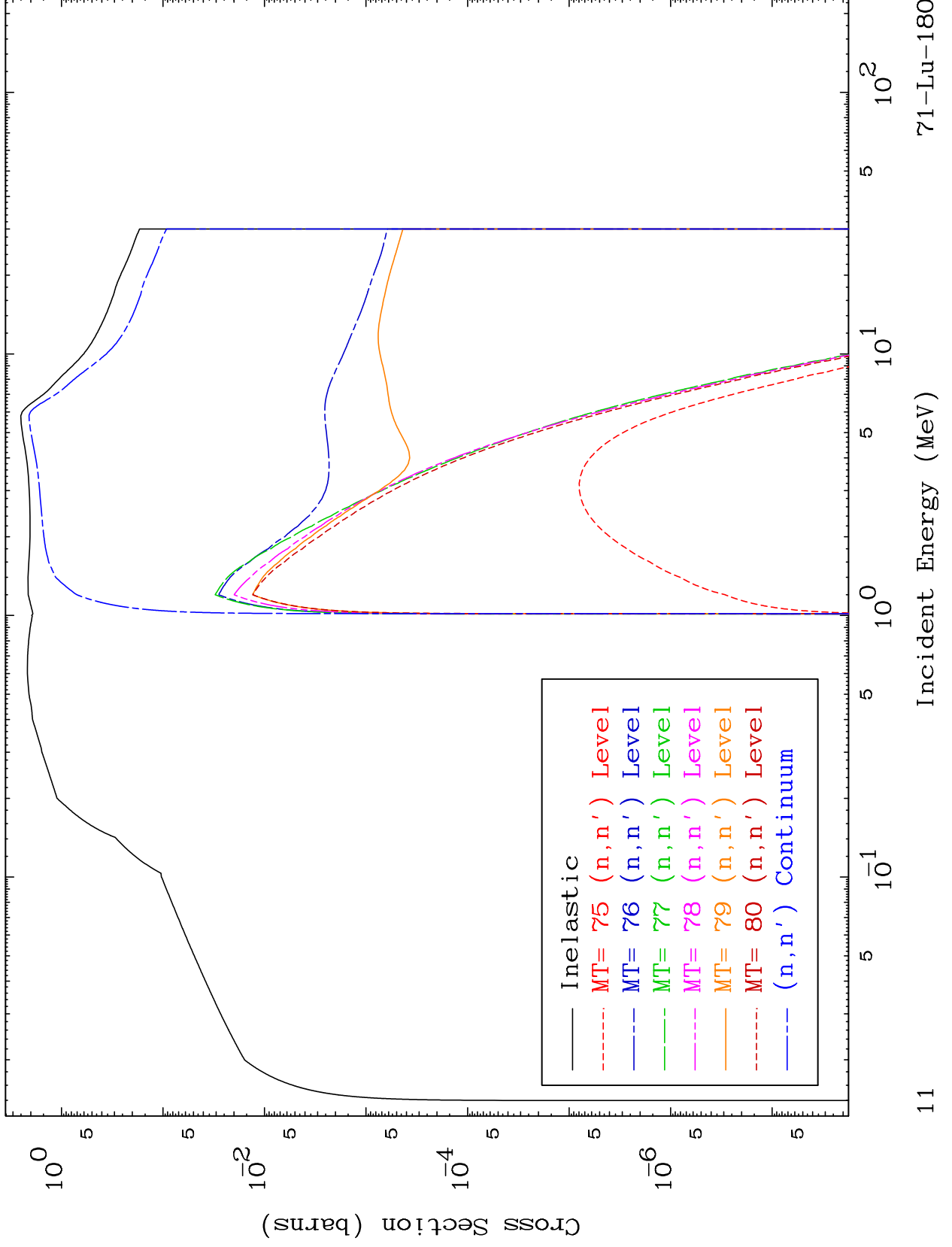
Incident Energy (MeV)

71-Lu-180

MAT 7140

293 Kelvin Cross Sections
(n,n') Levels

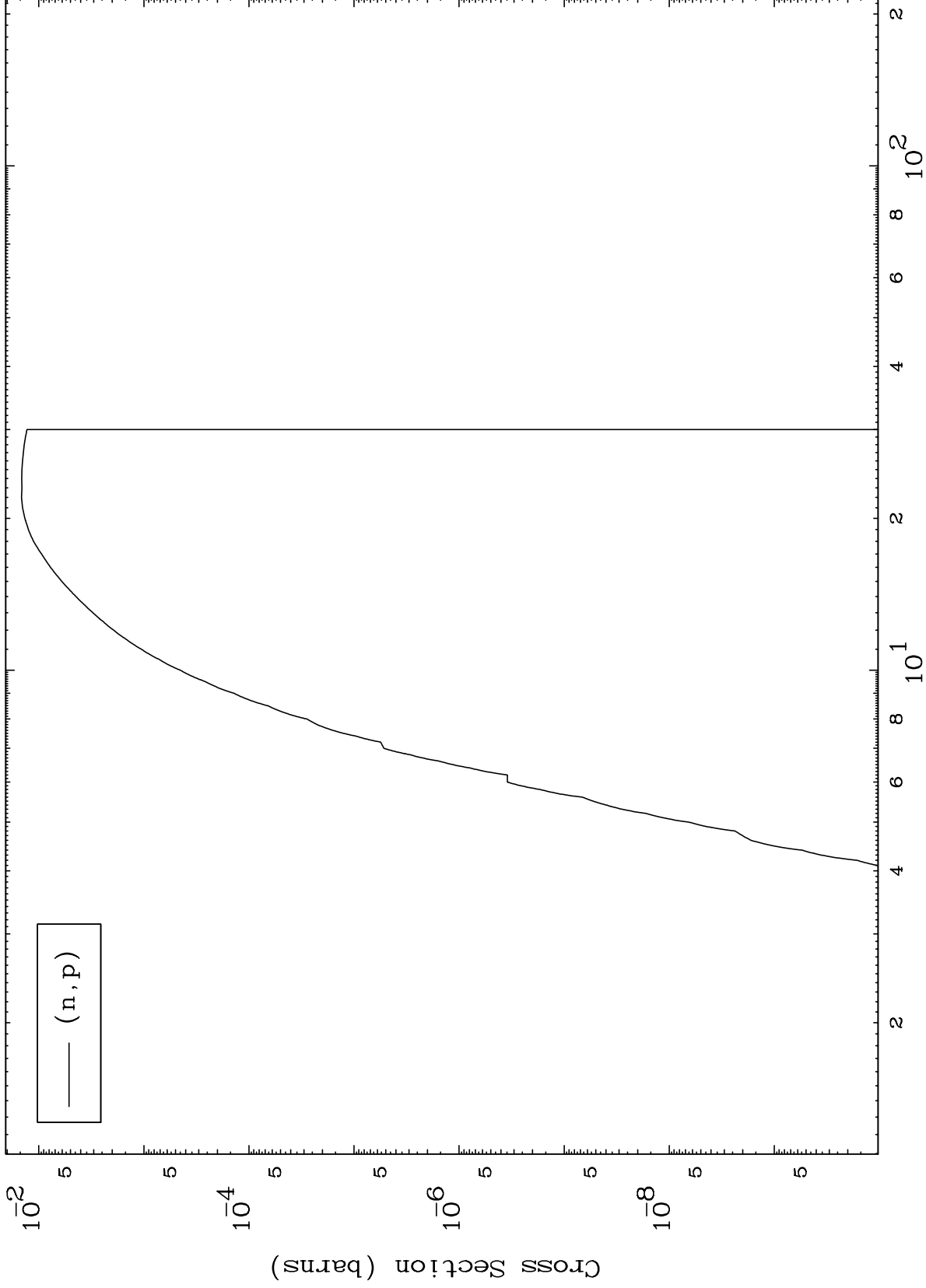
71-Lu-180



MAT 7140

(n,p) Levels
293 Kelvin Cross Sections

71-Lu-180



12

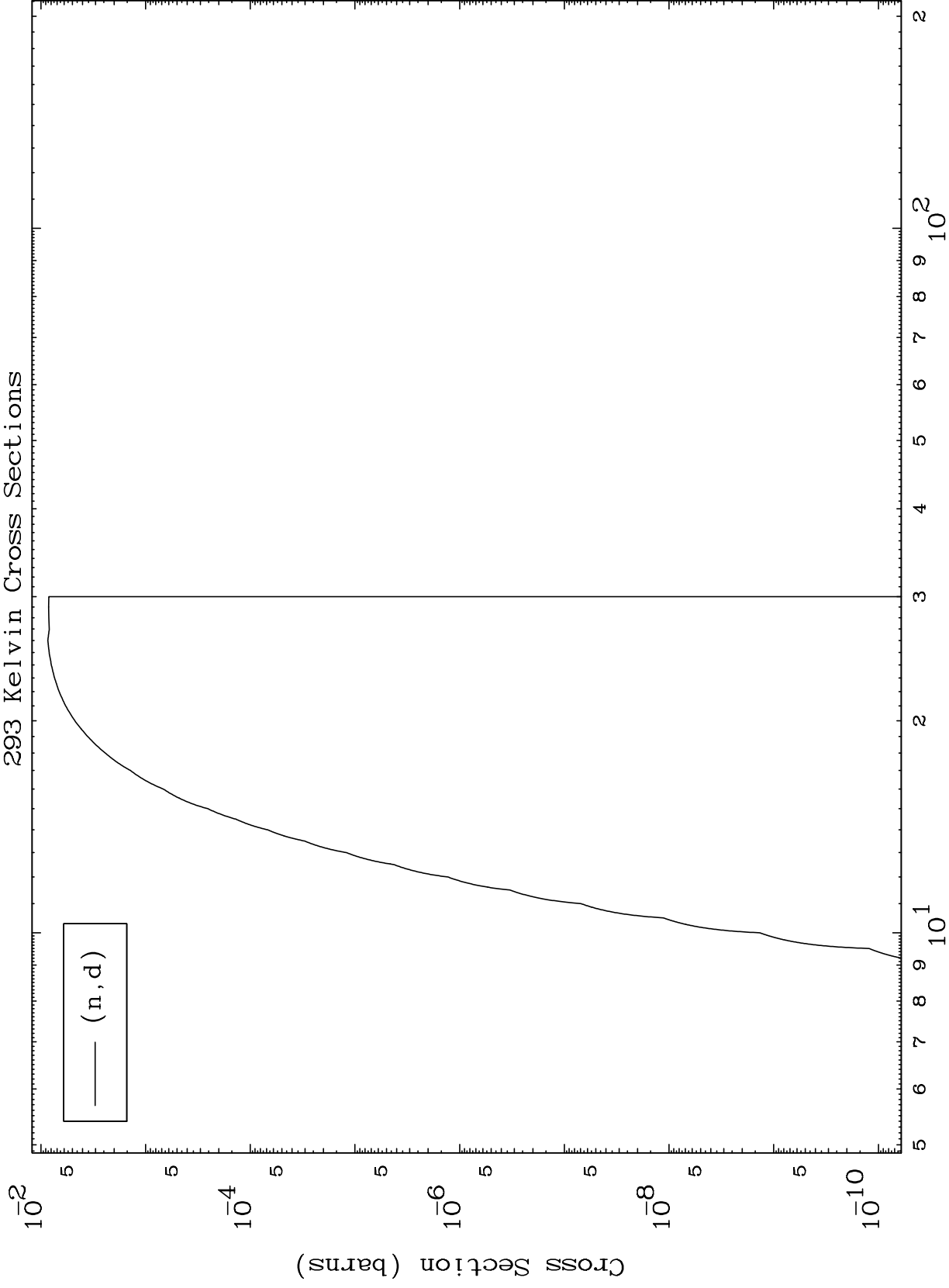
Incident Energy (MeV)

71-Lu-180

MAT 7140

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-180



13

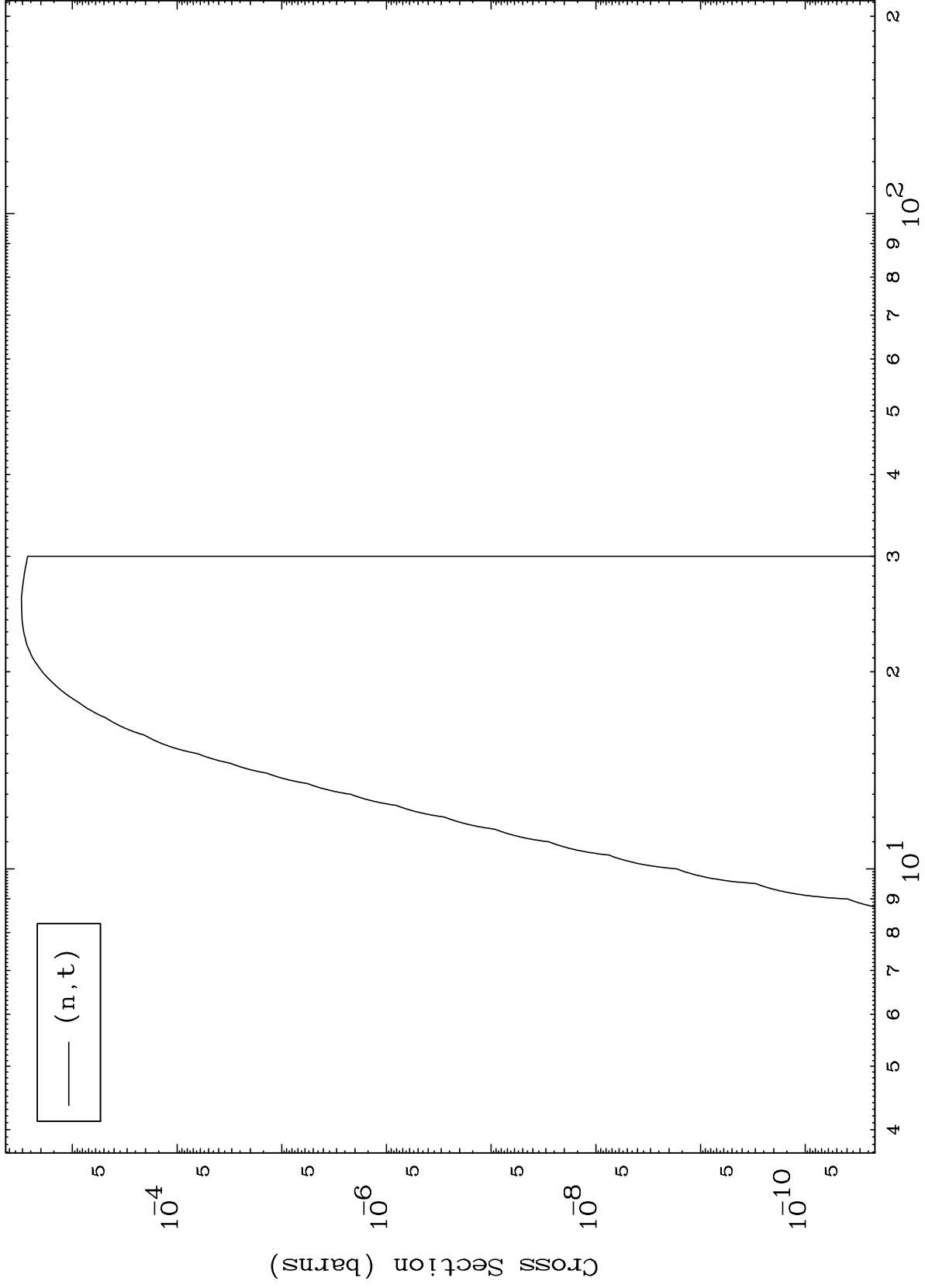
Incident Energy (MeV)

71-Lu-180

MAT 7140

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-180



14

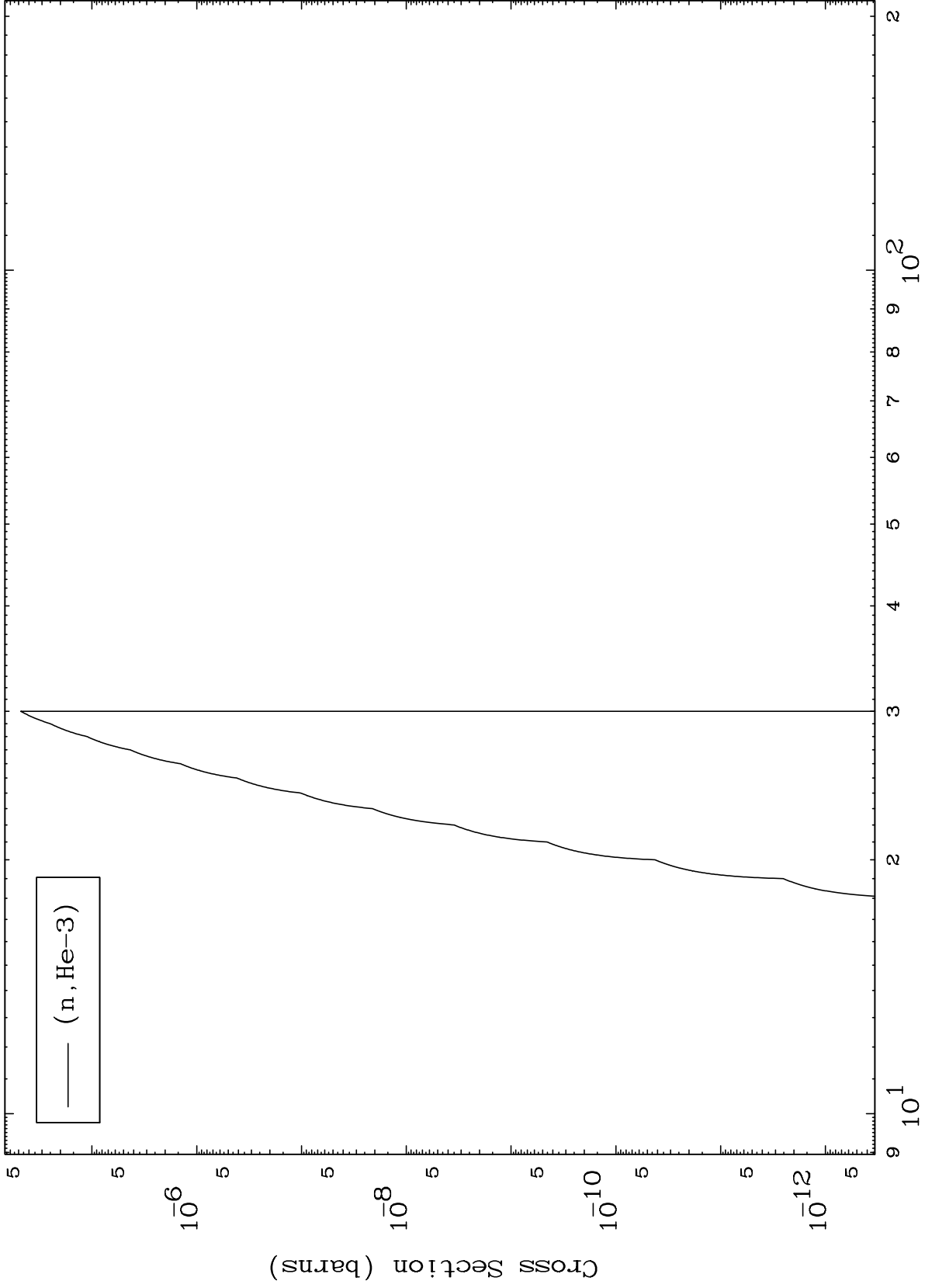
Incident Energy (MeV)

71-Lu-180

MAT 7140

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-180



15

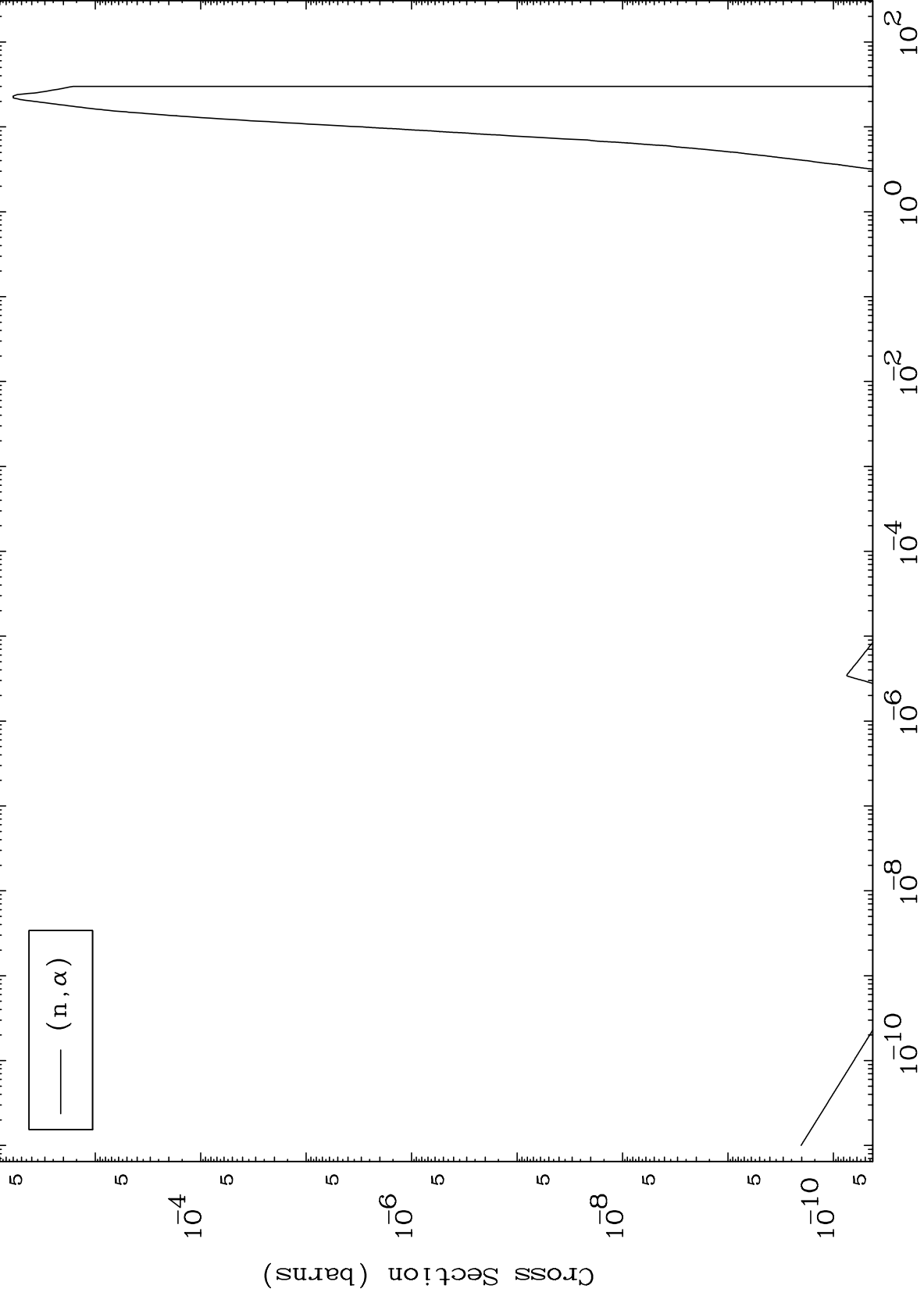
Incident Energy (MeV)

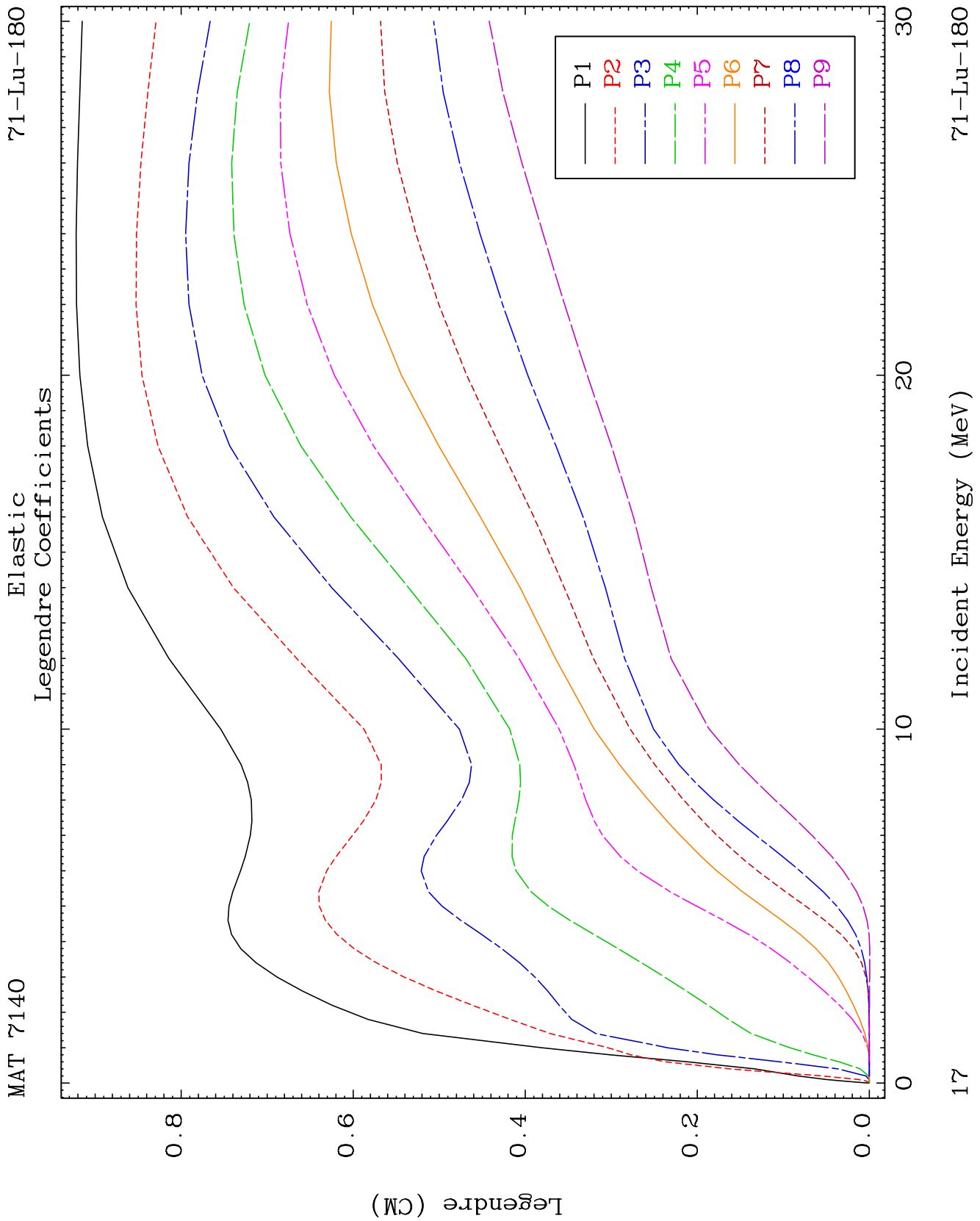
71-Lu-180

MAT 7140

(n, α) Levels
293 Kelvin Cross Sections

71-Lu-180

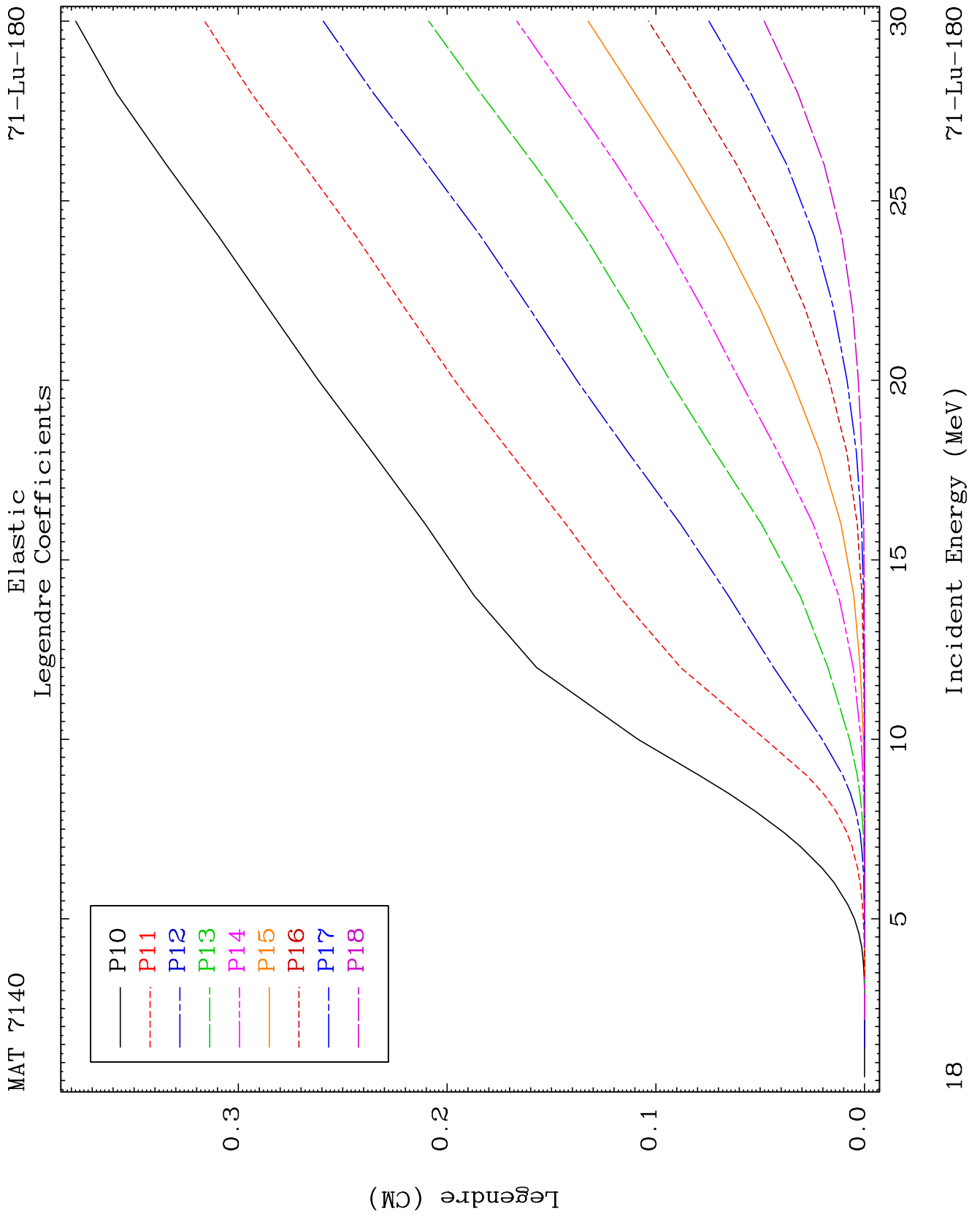




71-Lu-180

Incident Energy (MeV)

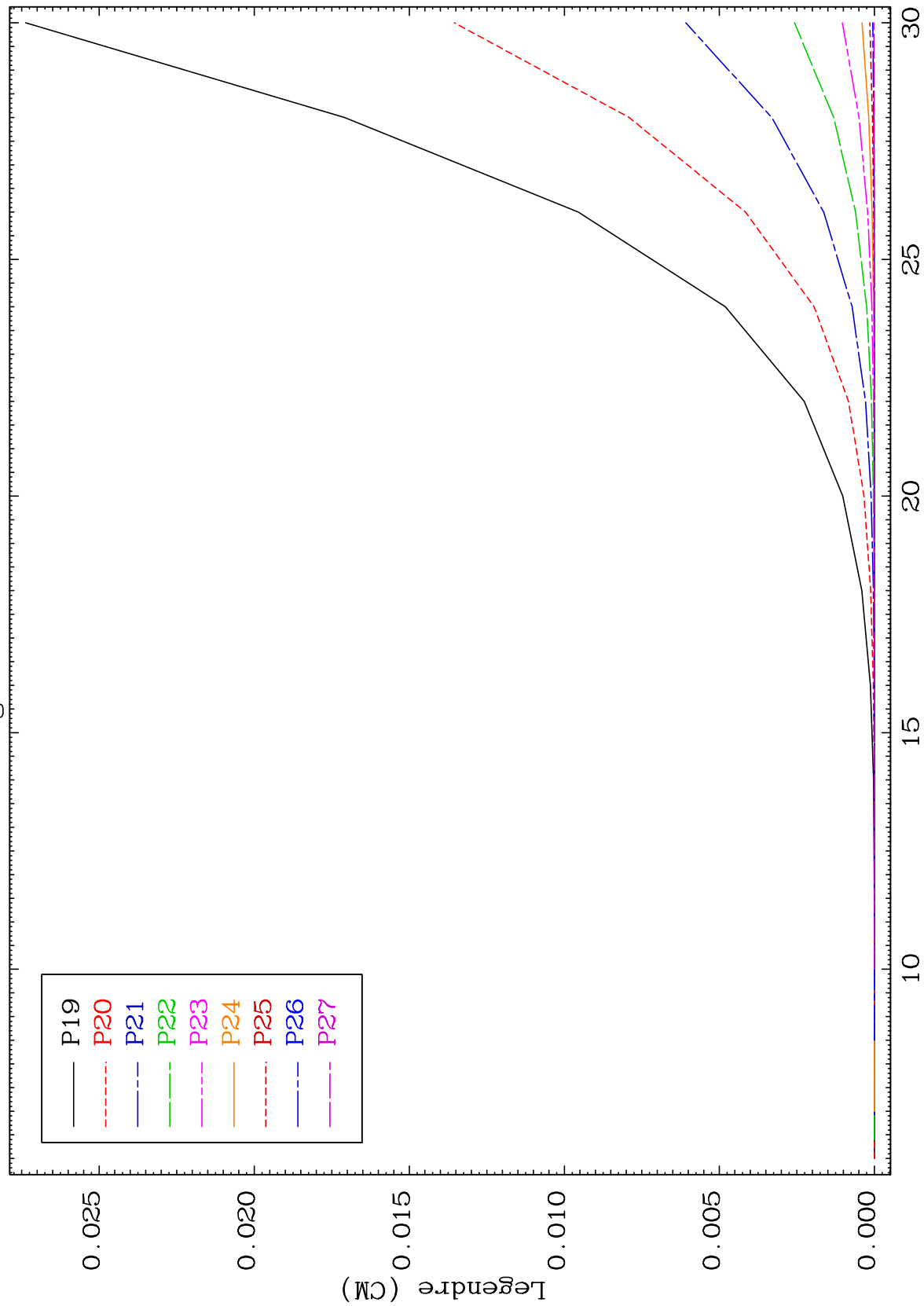
17



MAT 7140

Elastic Legendre Coefficients

71-Lu-180



19

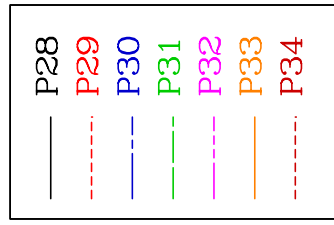
Incident Energy (MeV)

71-Lu-180

MAT 7140

Elastic
Legendre Coefficients

71-Lu-180



$\times 10^{-6}$

Legendre (CM)

4

2

0

15

20

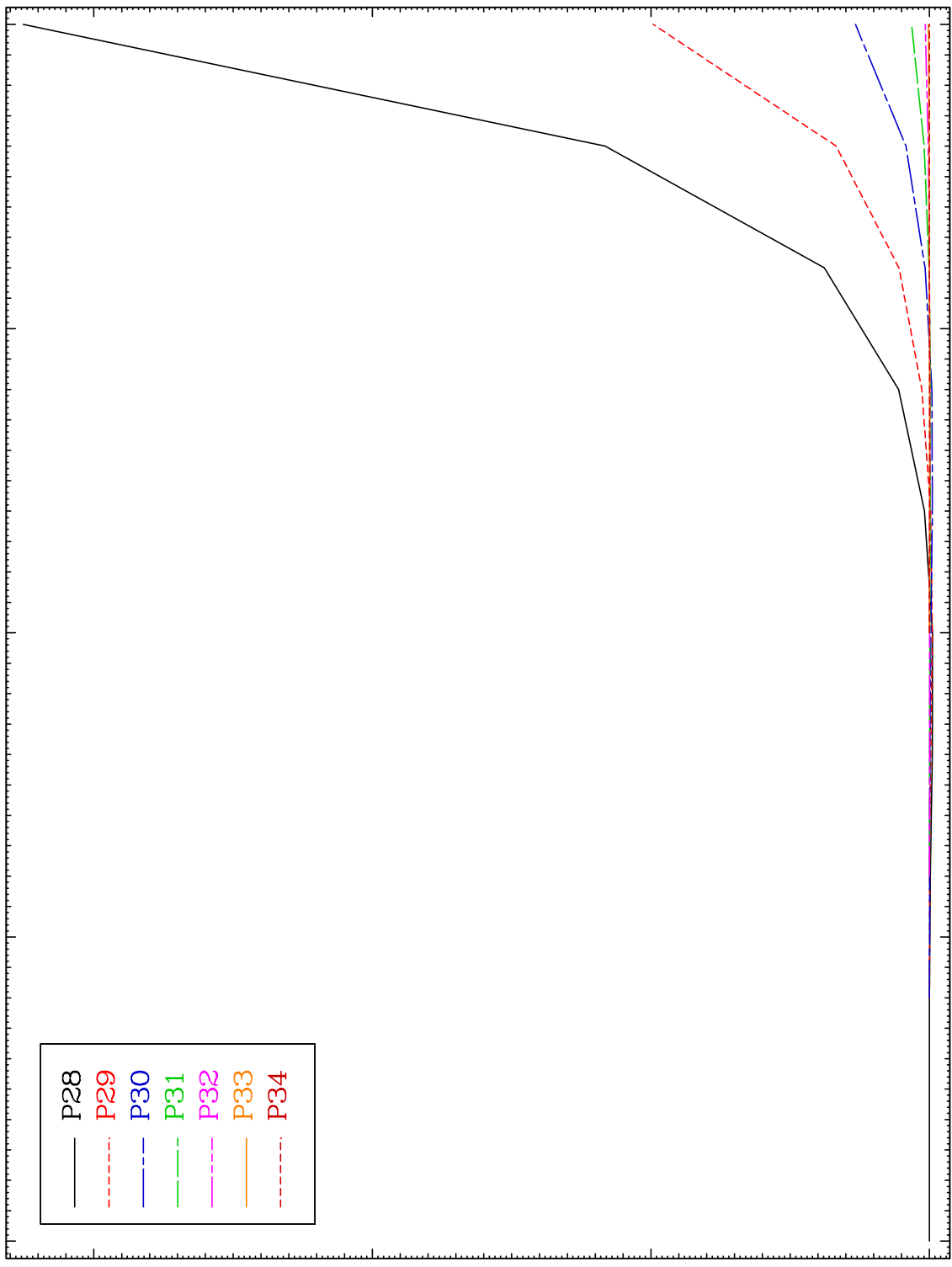
25

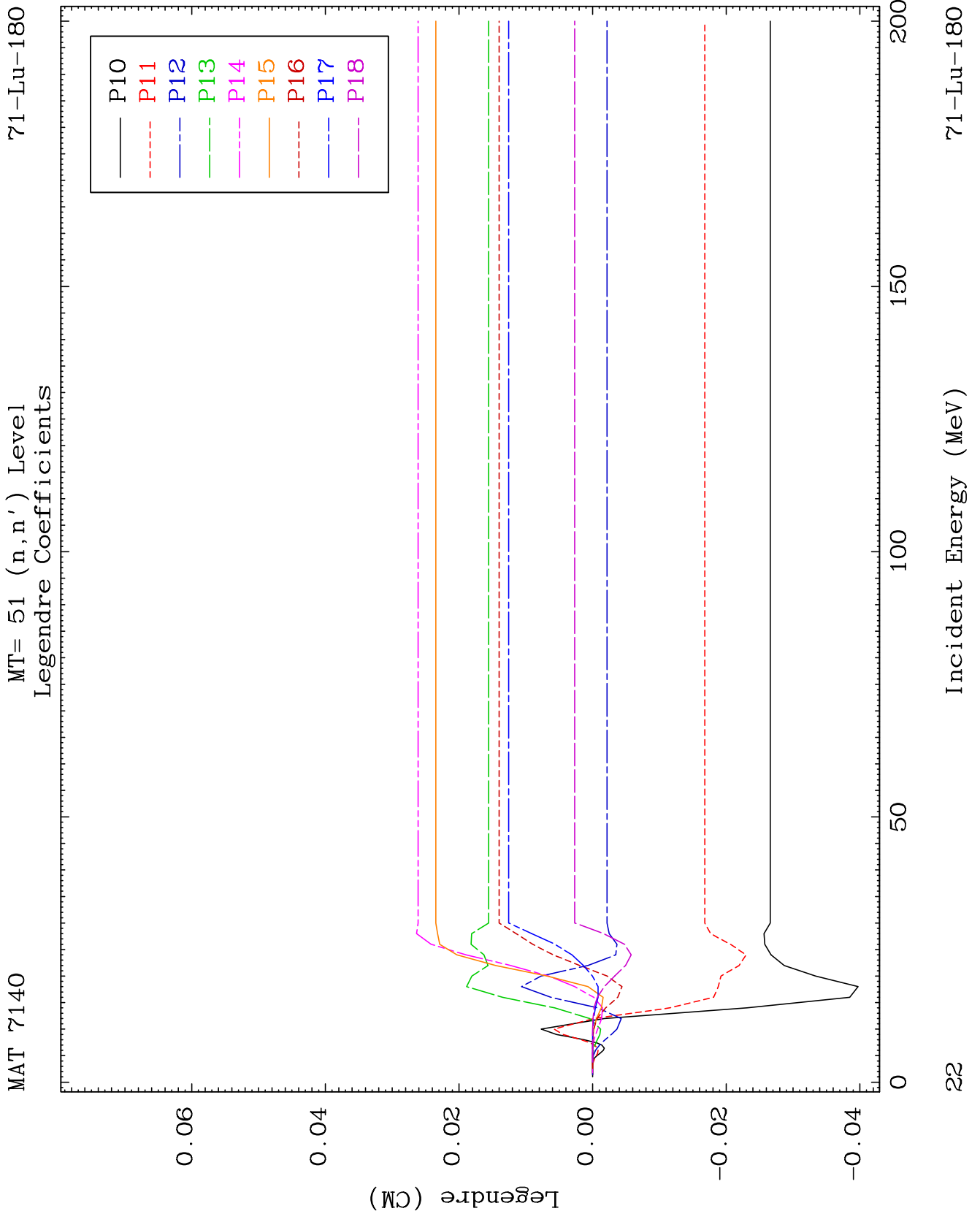
30

20

Incident Energy (MeV)

71-Lu-180

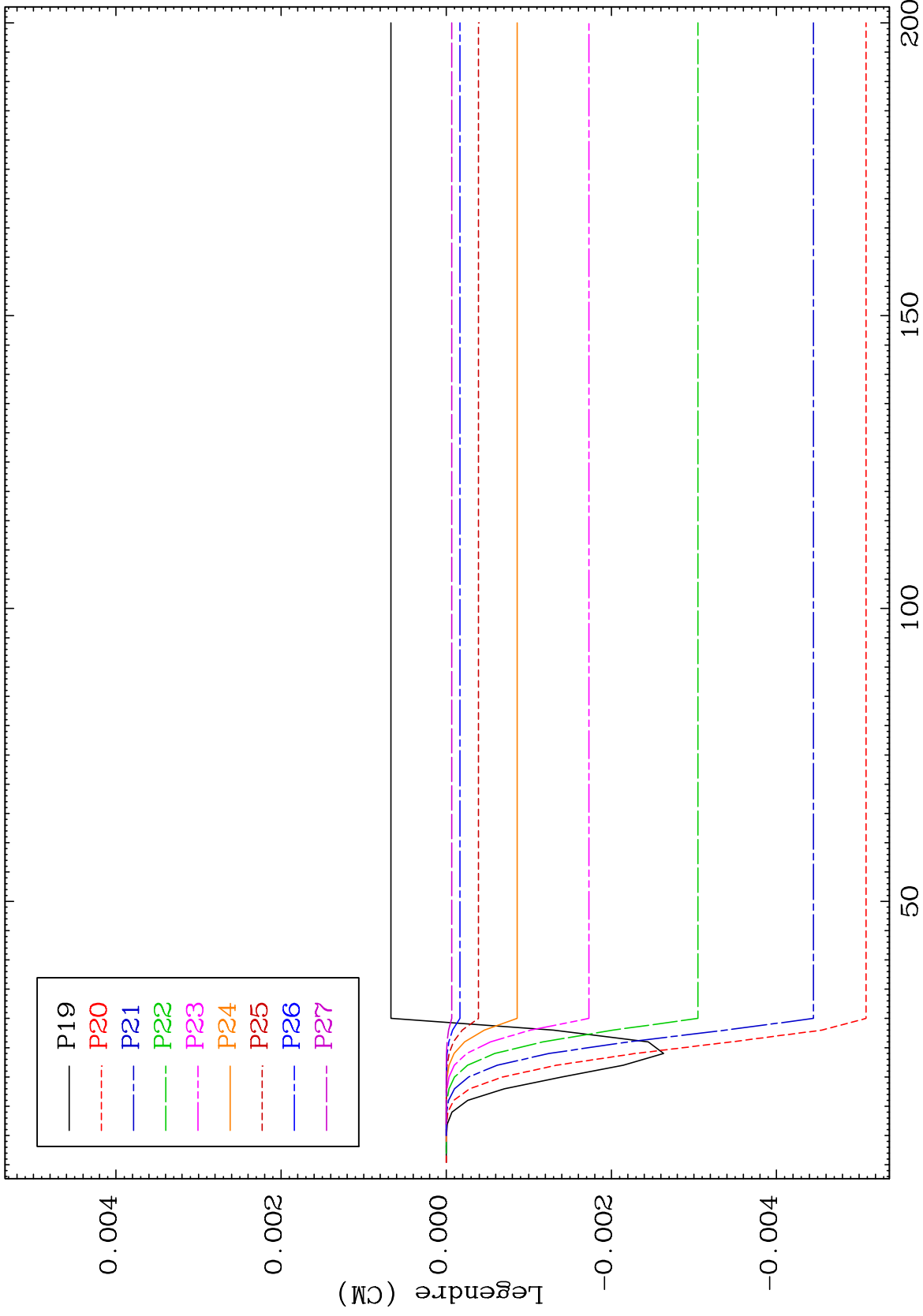


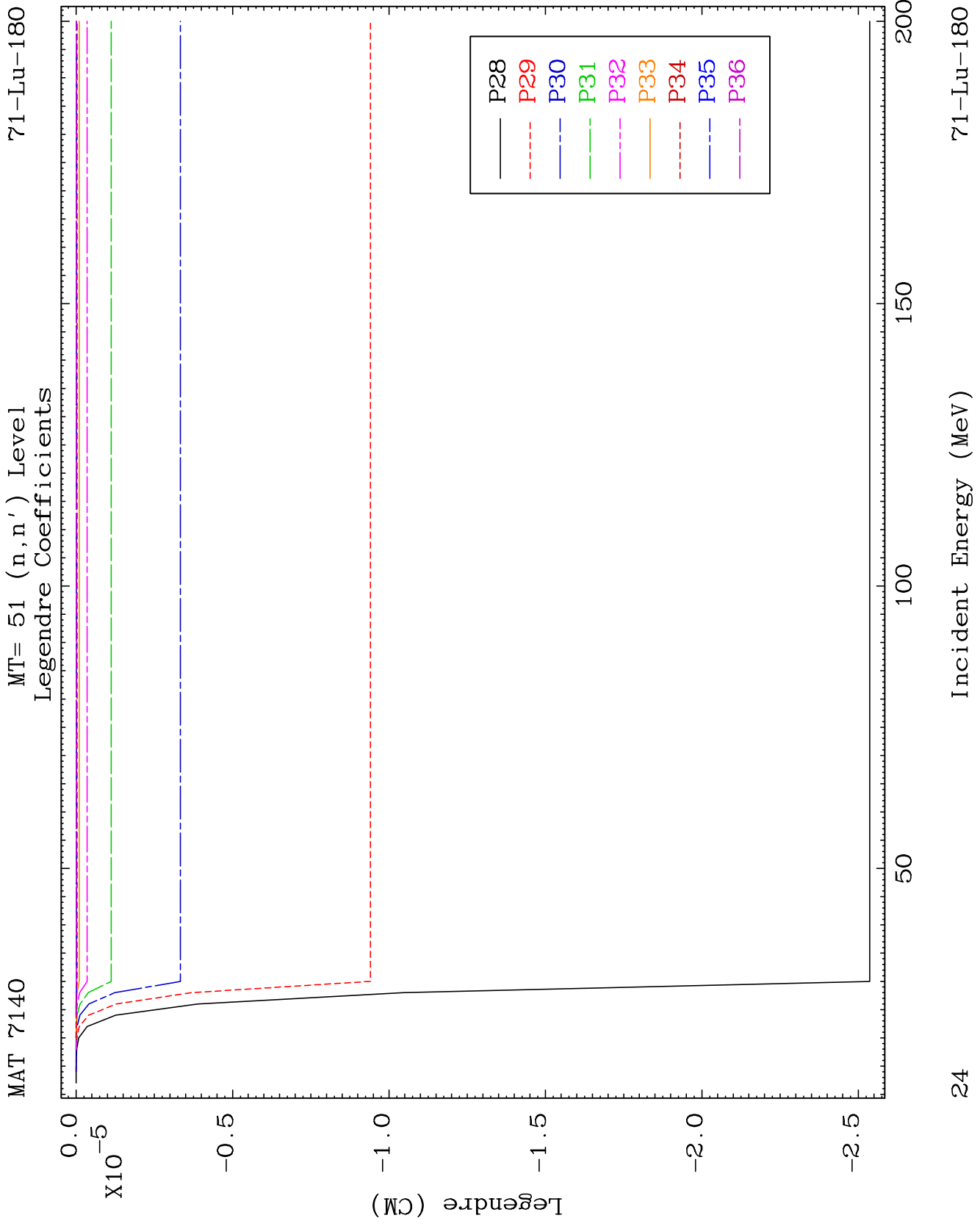


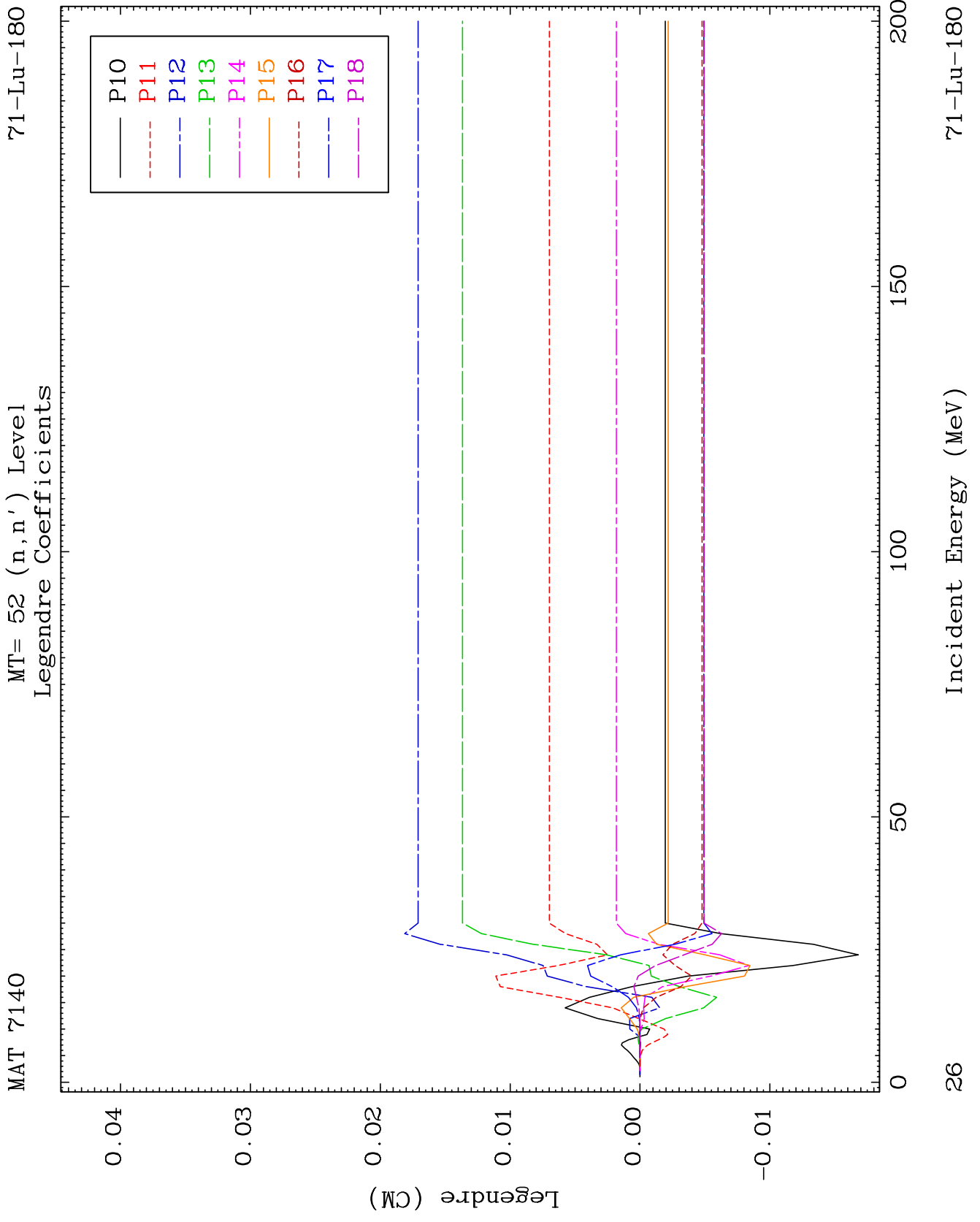
MAT 7140

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

71-Lu-180



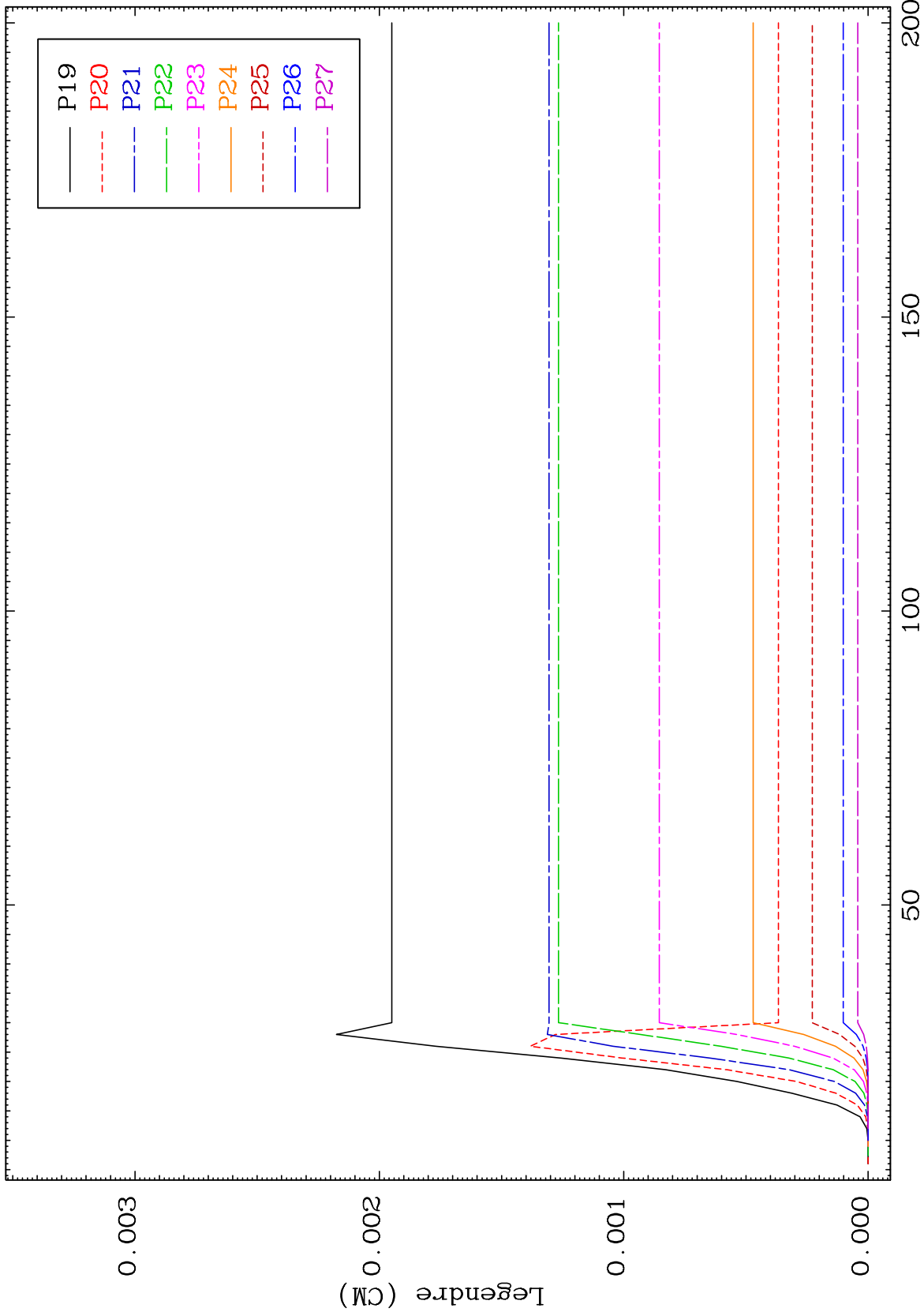


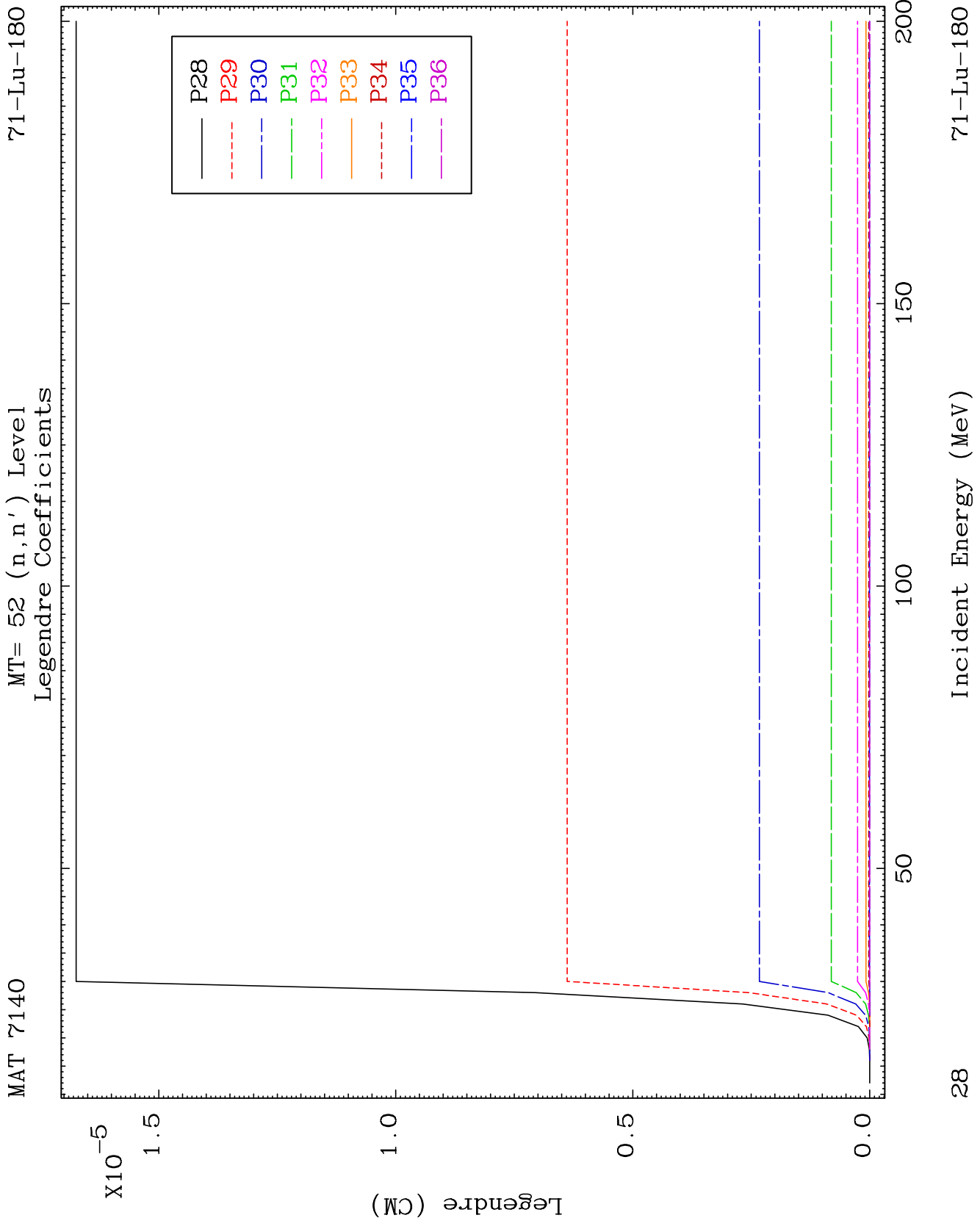


MAT 7140

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

71-Lu-180

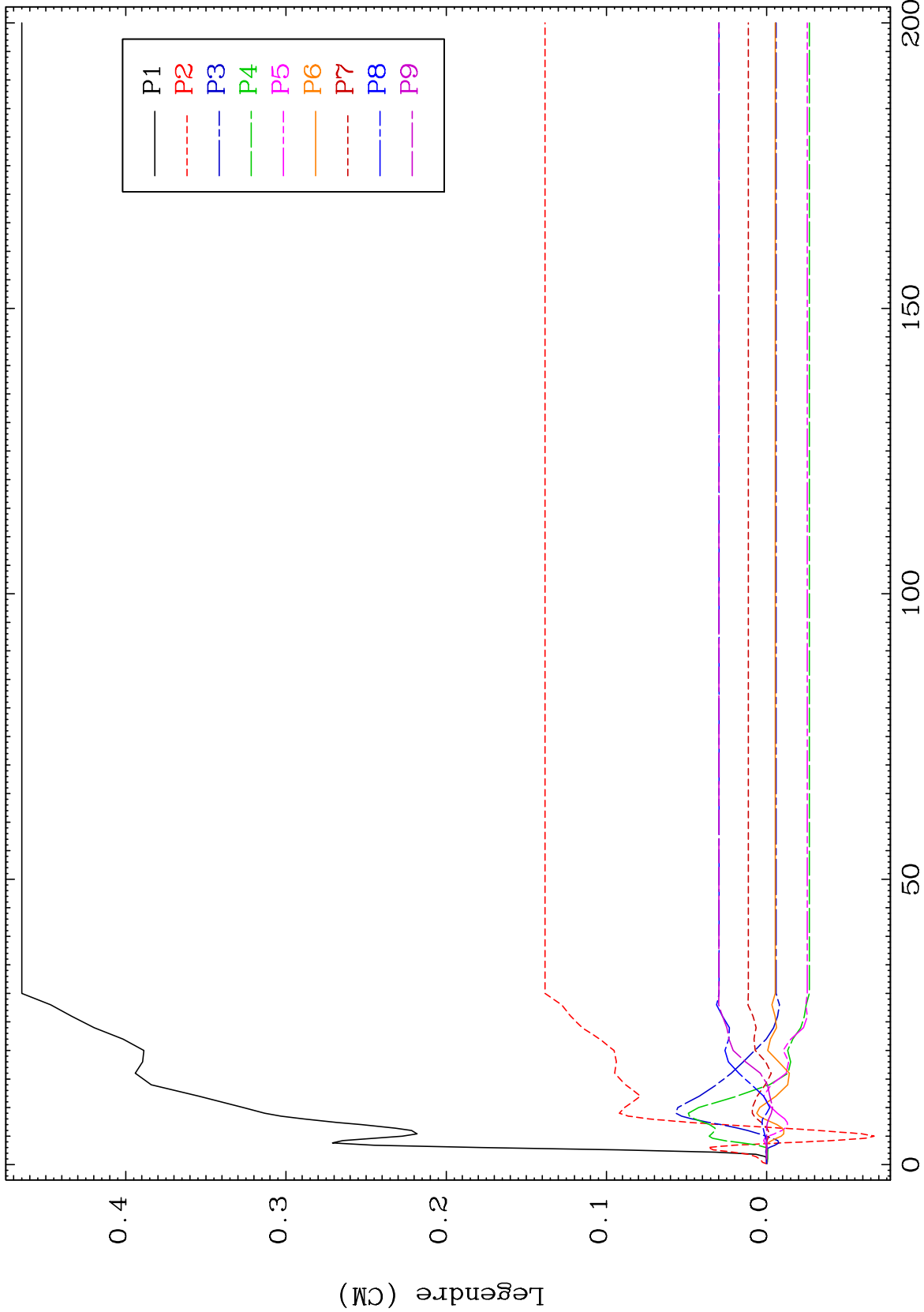




MAT 7140

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

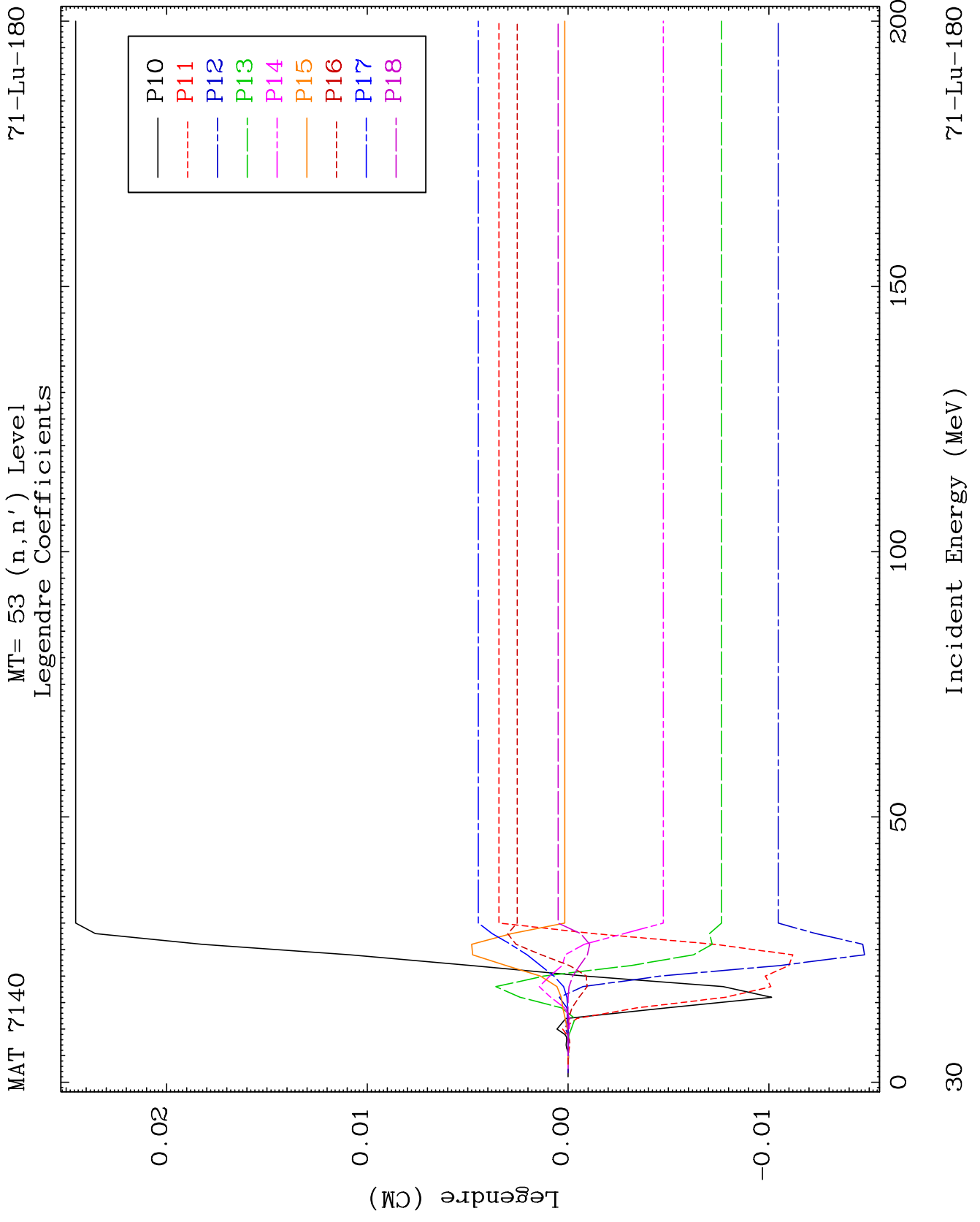
71-Lu-180



29

Incident Energy (MeV)

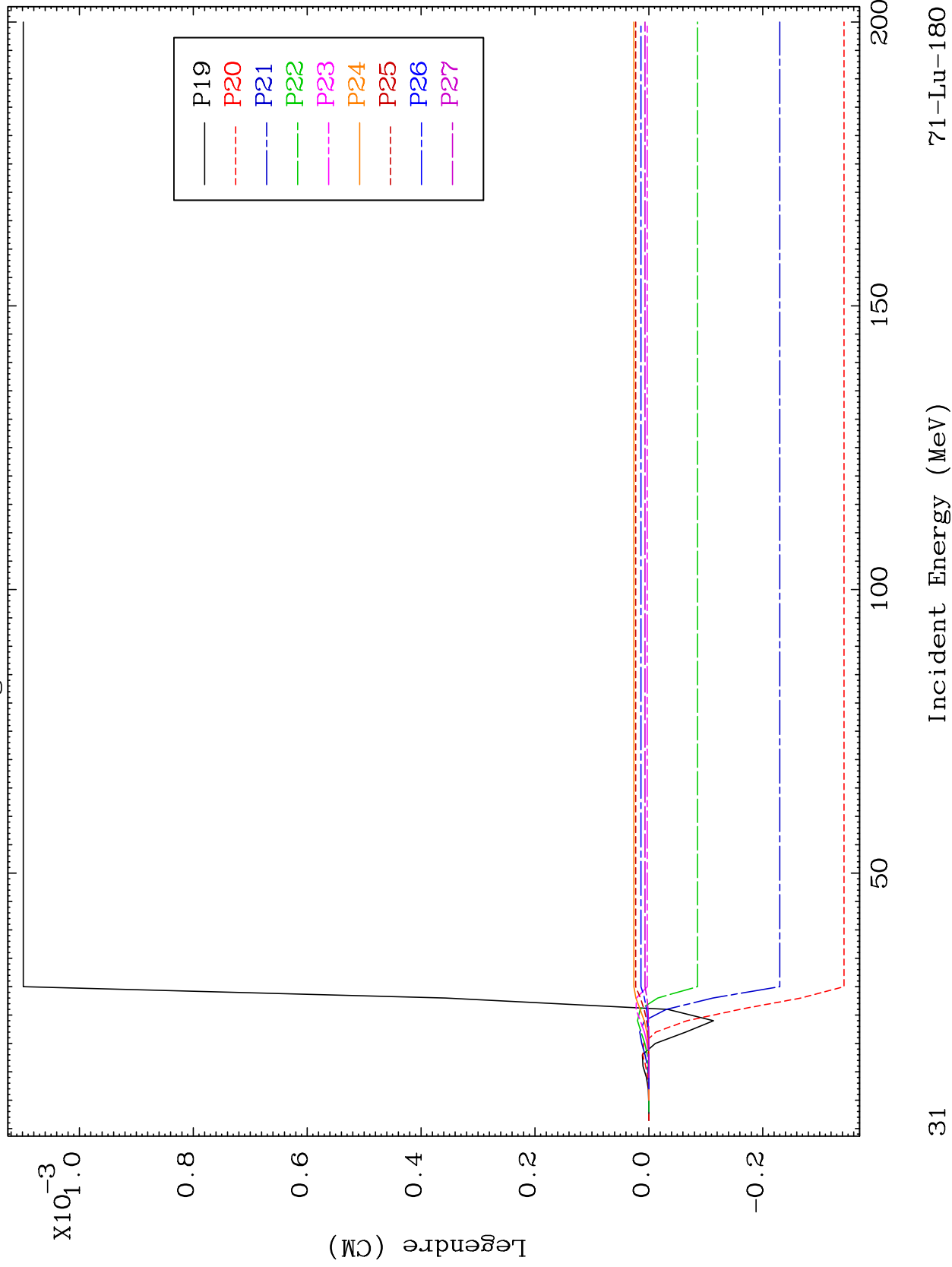
71-Lu-180



MAT 7140

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

71-Lu-180



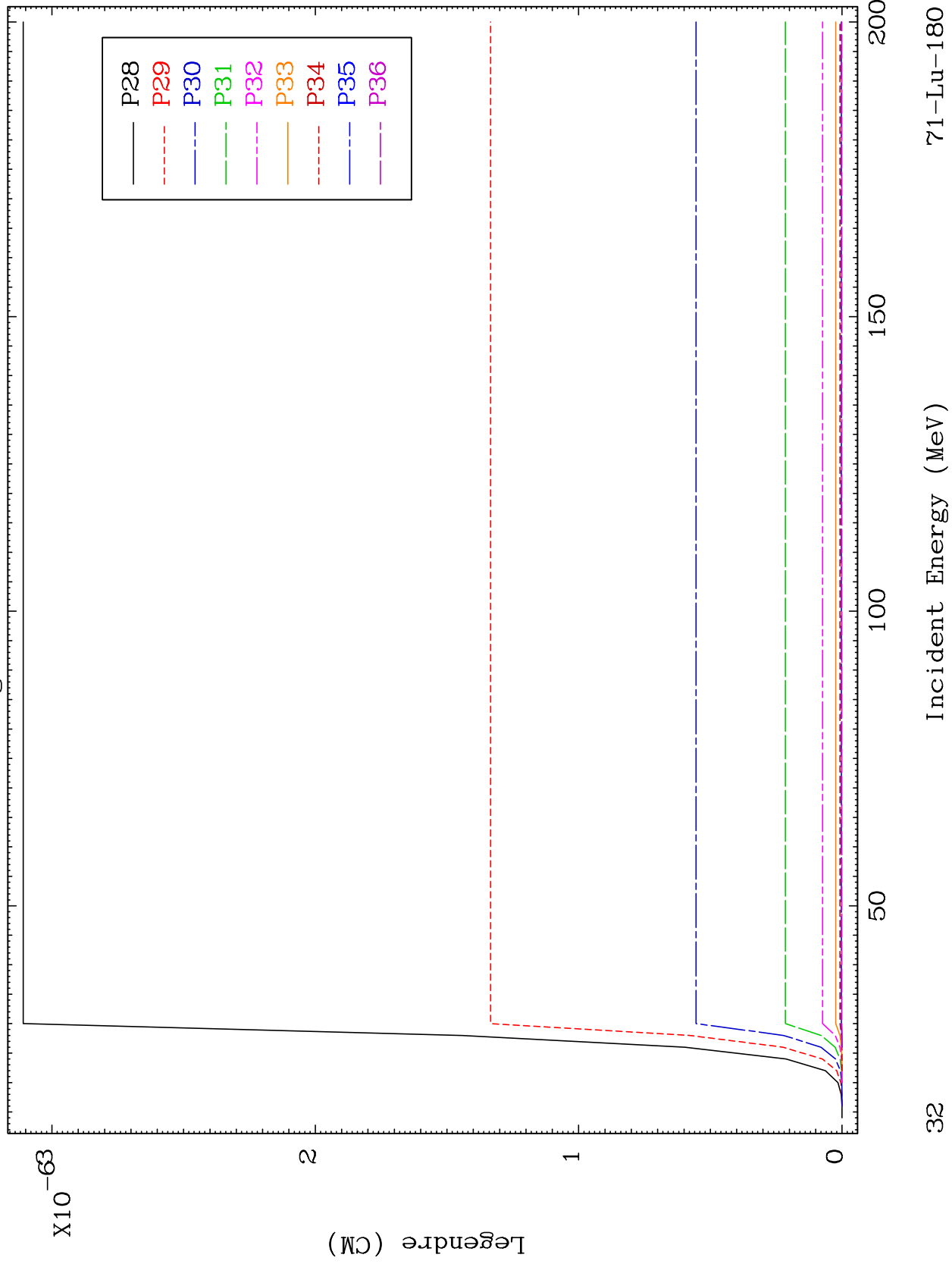
31

71-Lu-180

MAT 7140

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

71-Lu-180



32

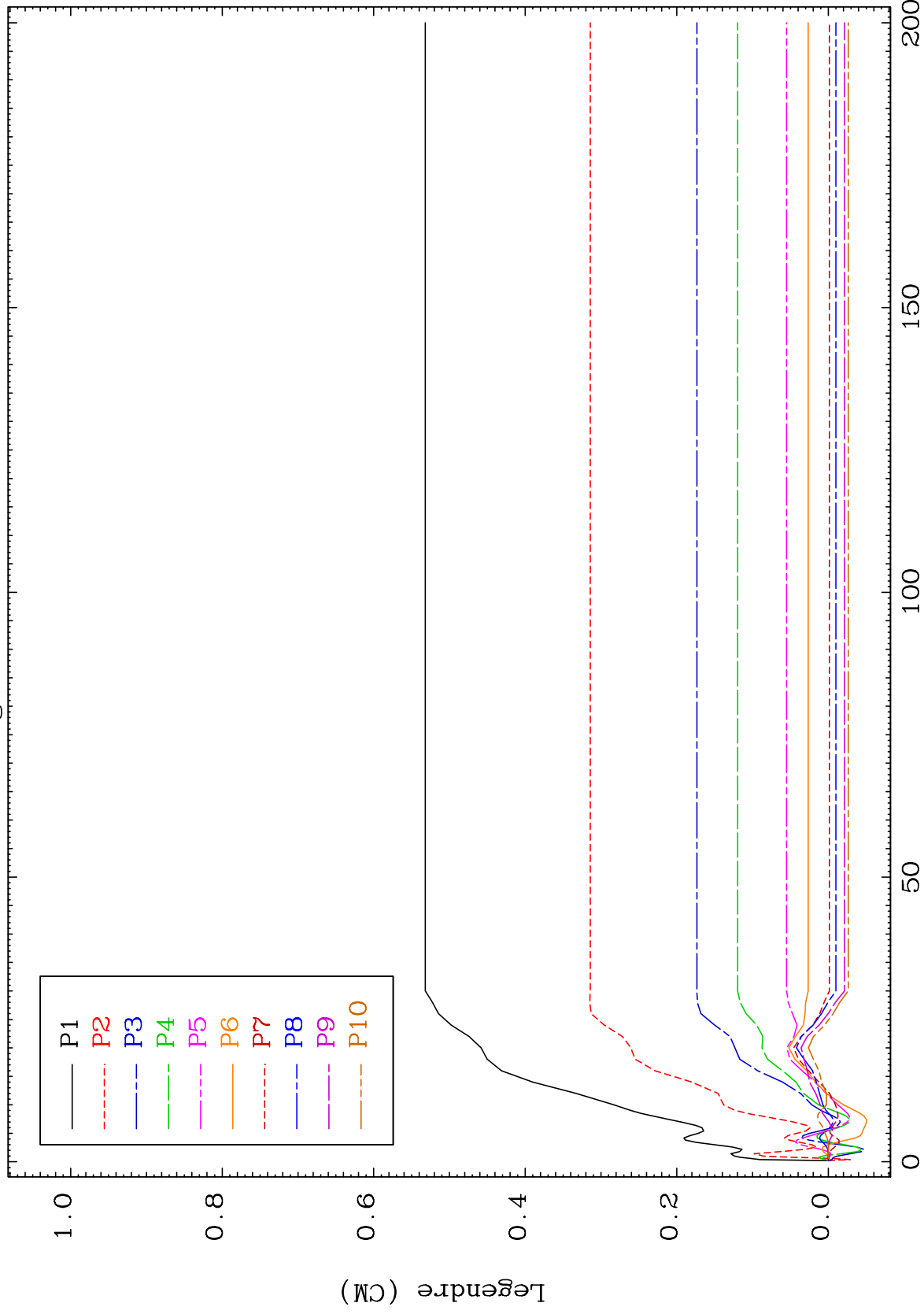
Incident Energy (MeV)

71-Lu-180

MAT 7140

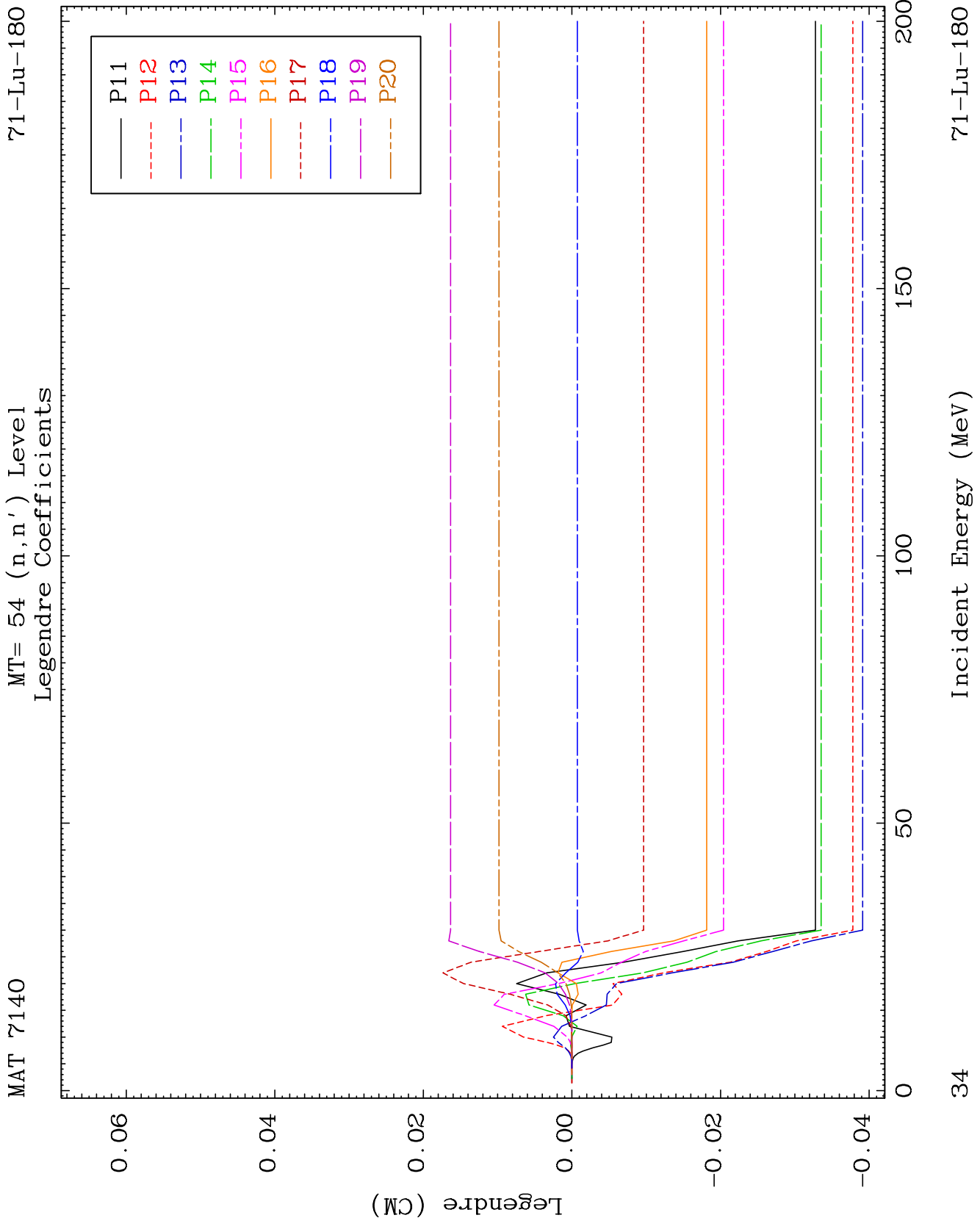
MT= 54 (n,n') Level
Legendre Coefficients

71-Lu-180



33

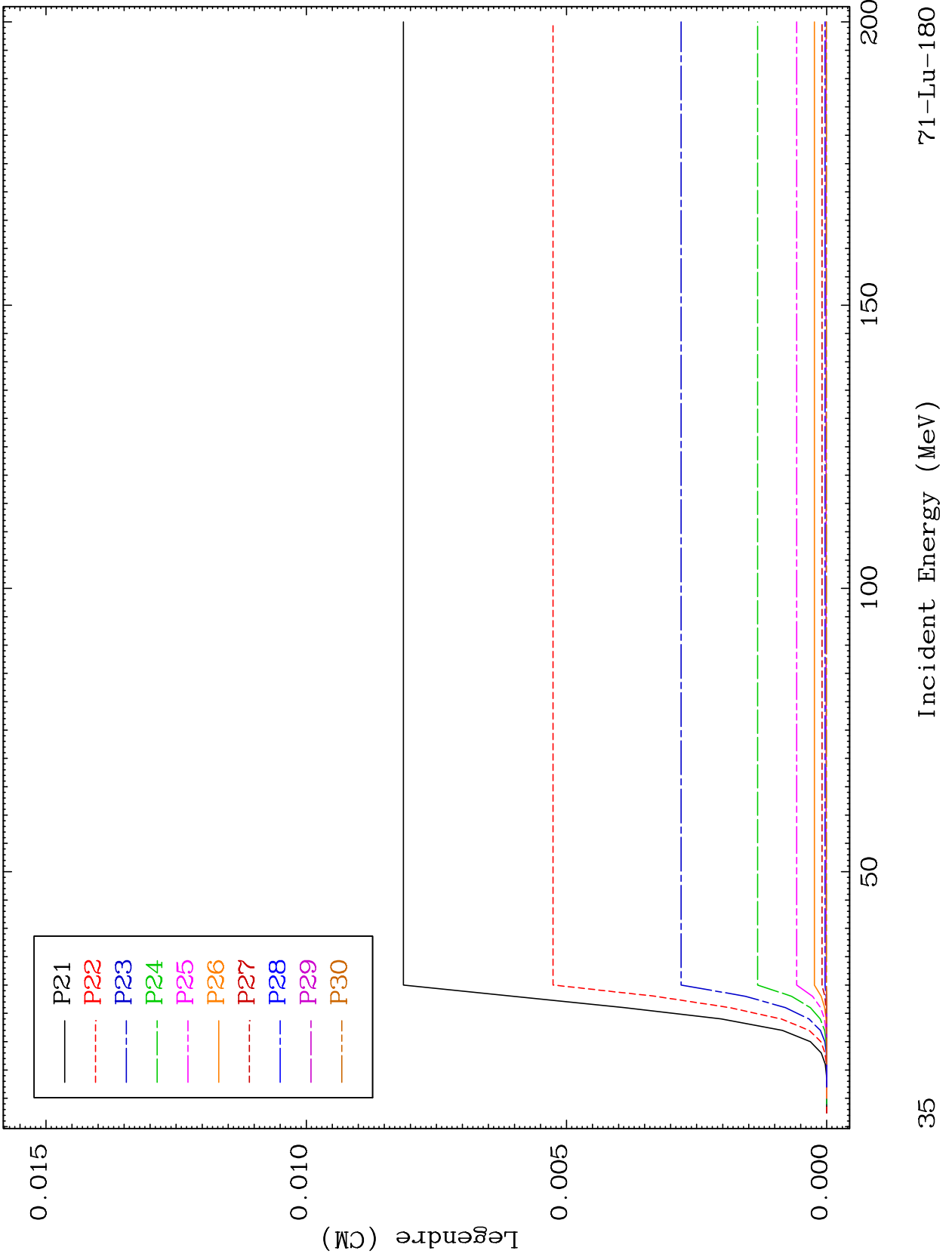
71-Lu-180



MAT 7140

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

71-Lu-180



35

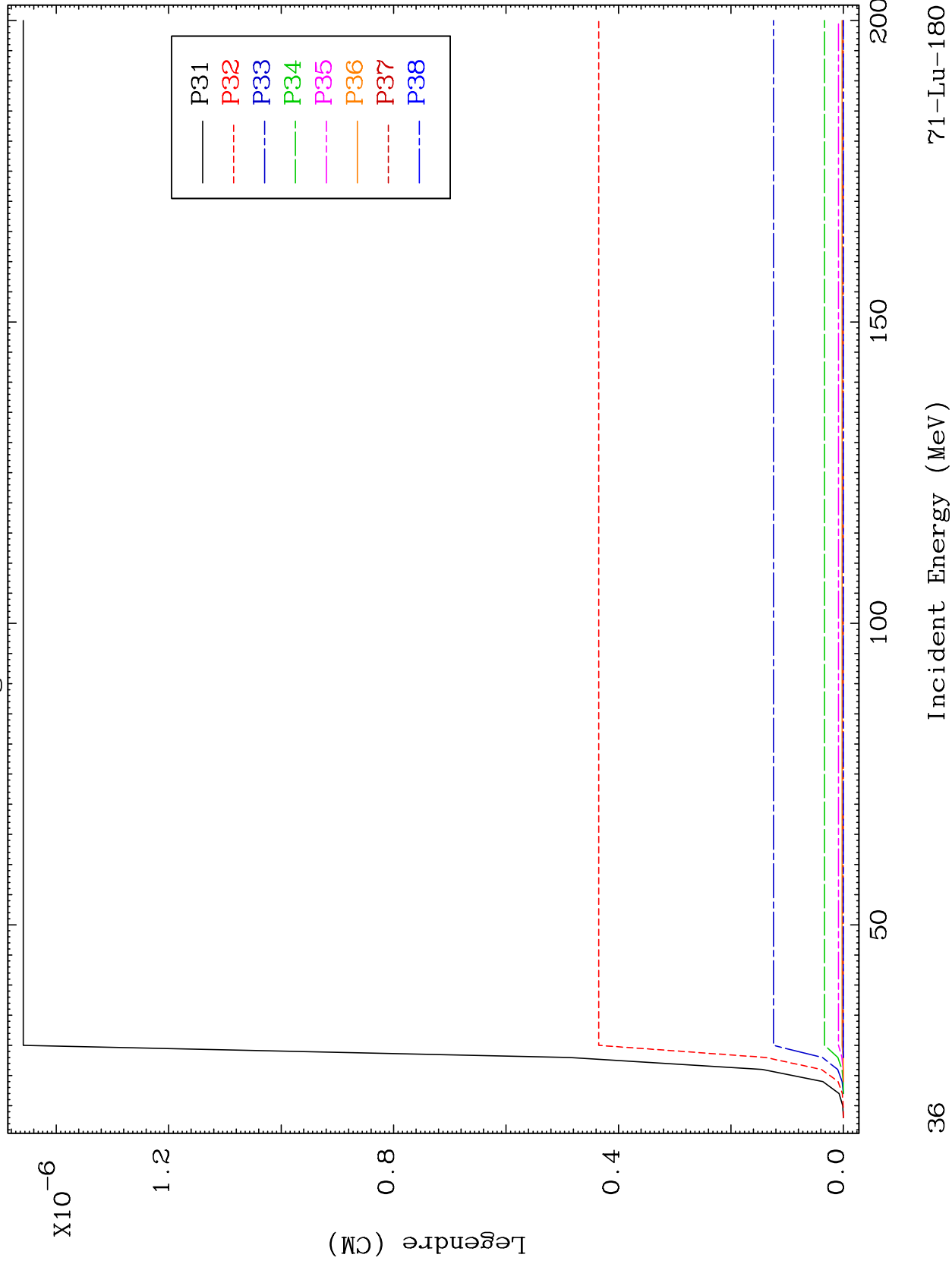
Incident Energy (MeV)

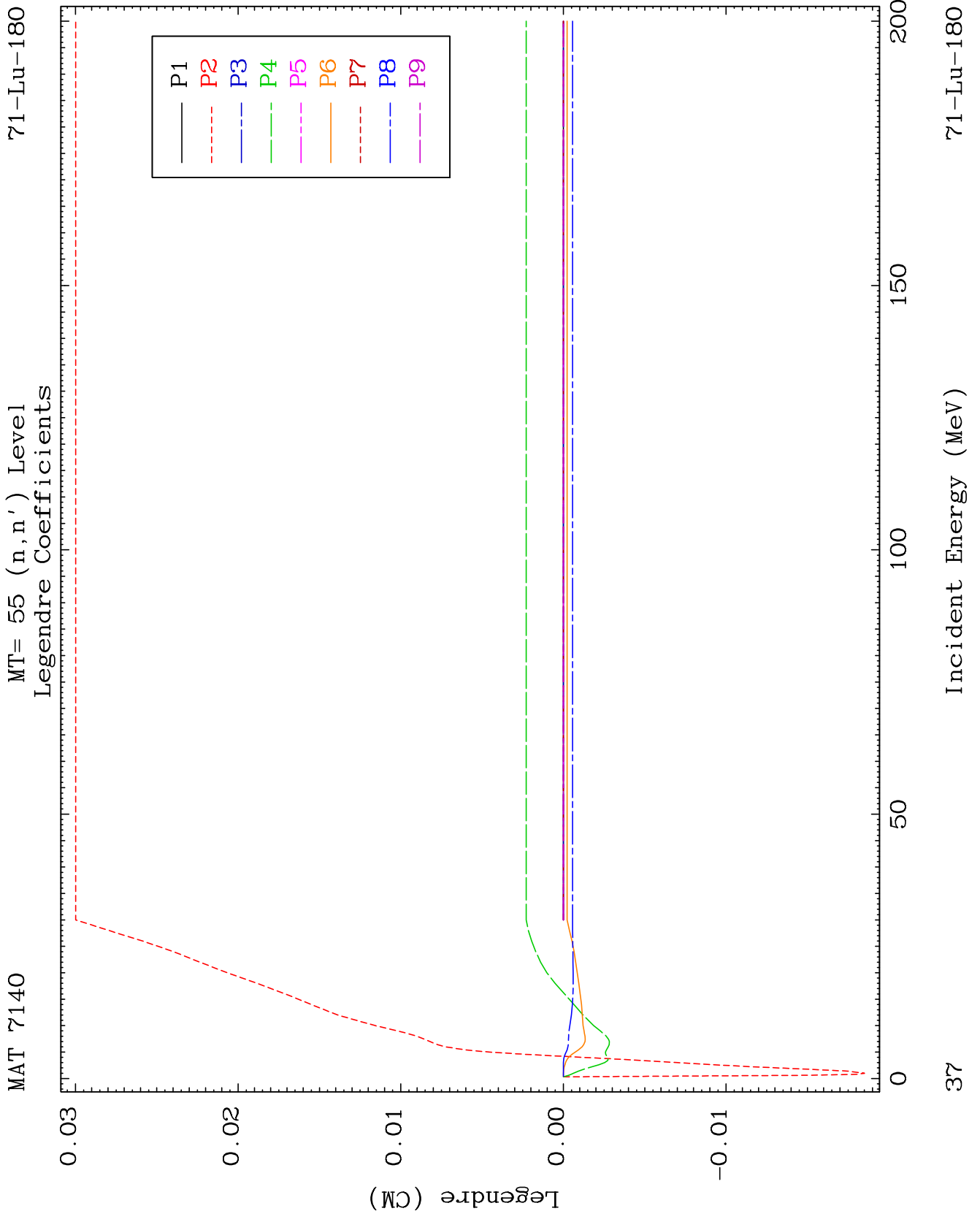
71-Lu-180

MAT 7140

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

71-Lu-180

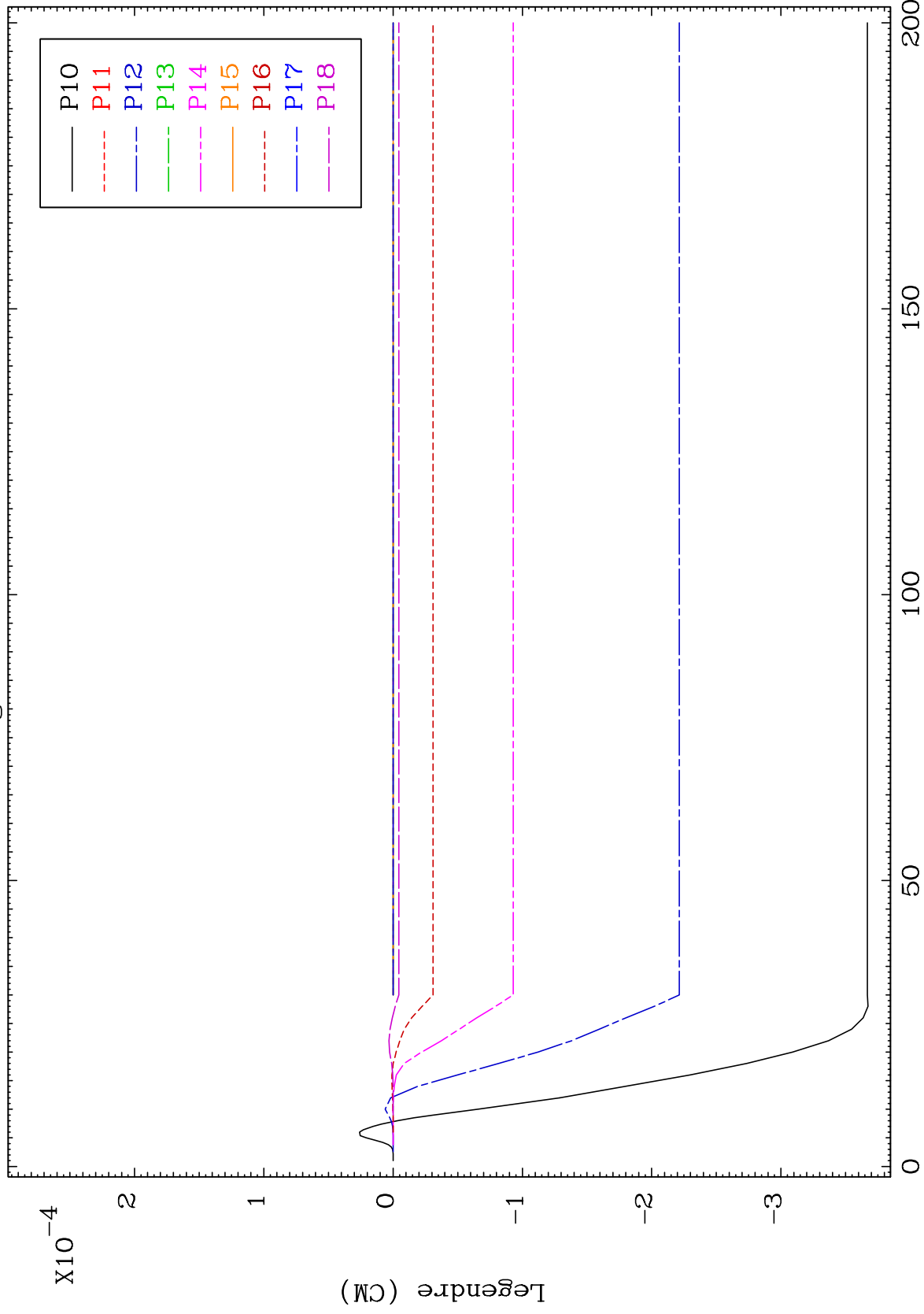




MAT 7140

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

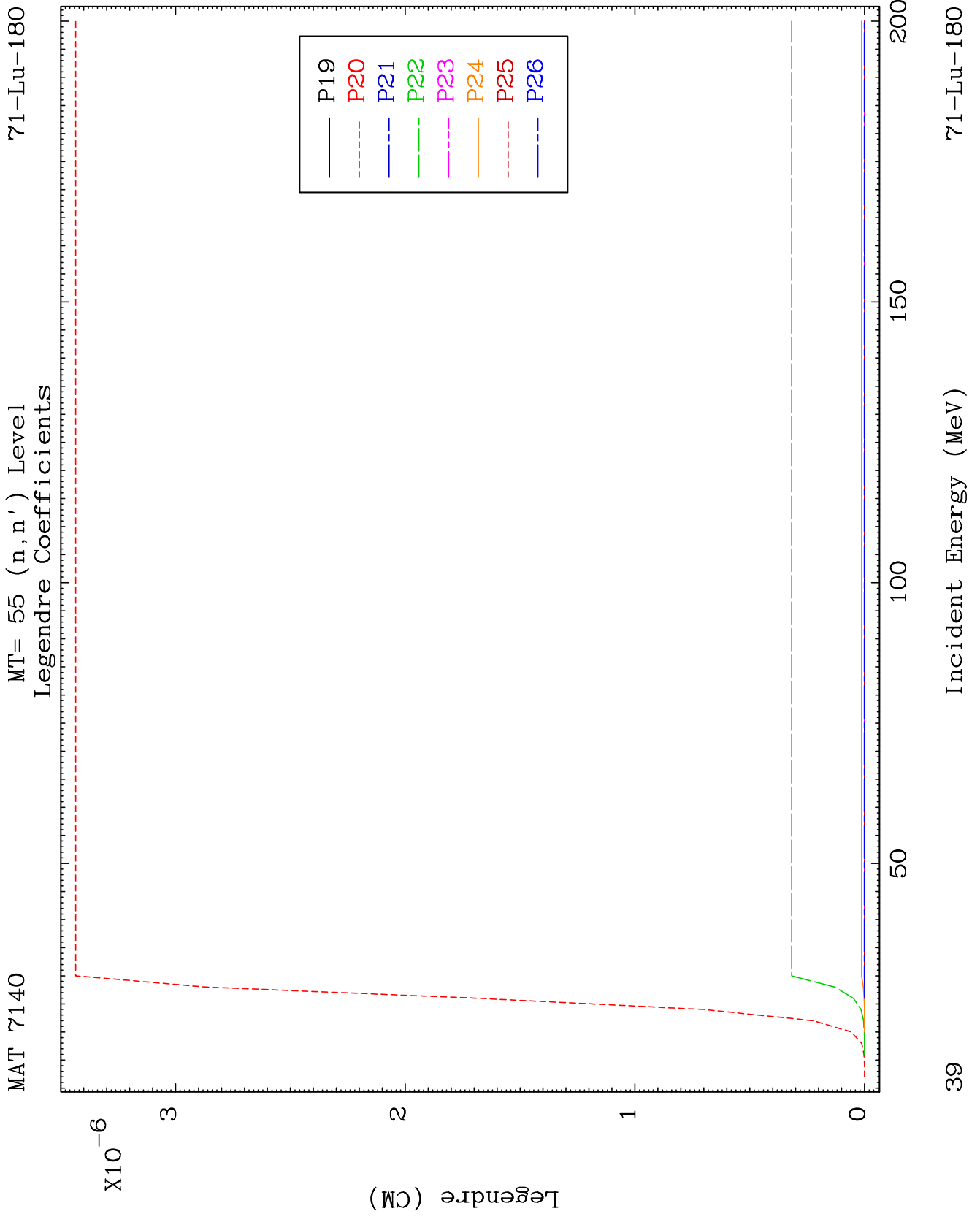
71-Lu-180



38

Incident Energy (MeV)

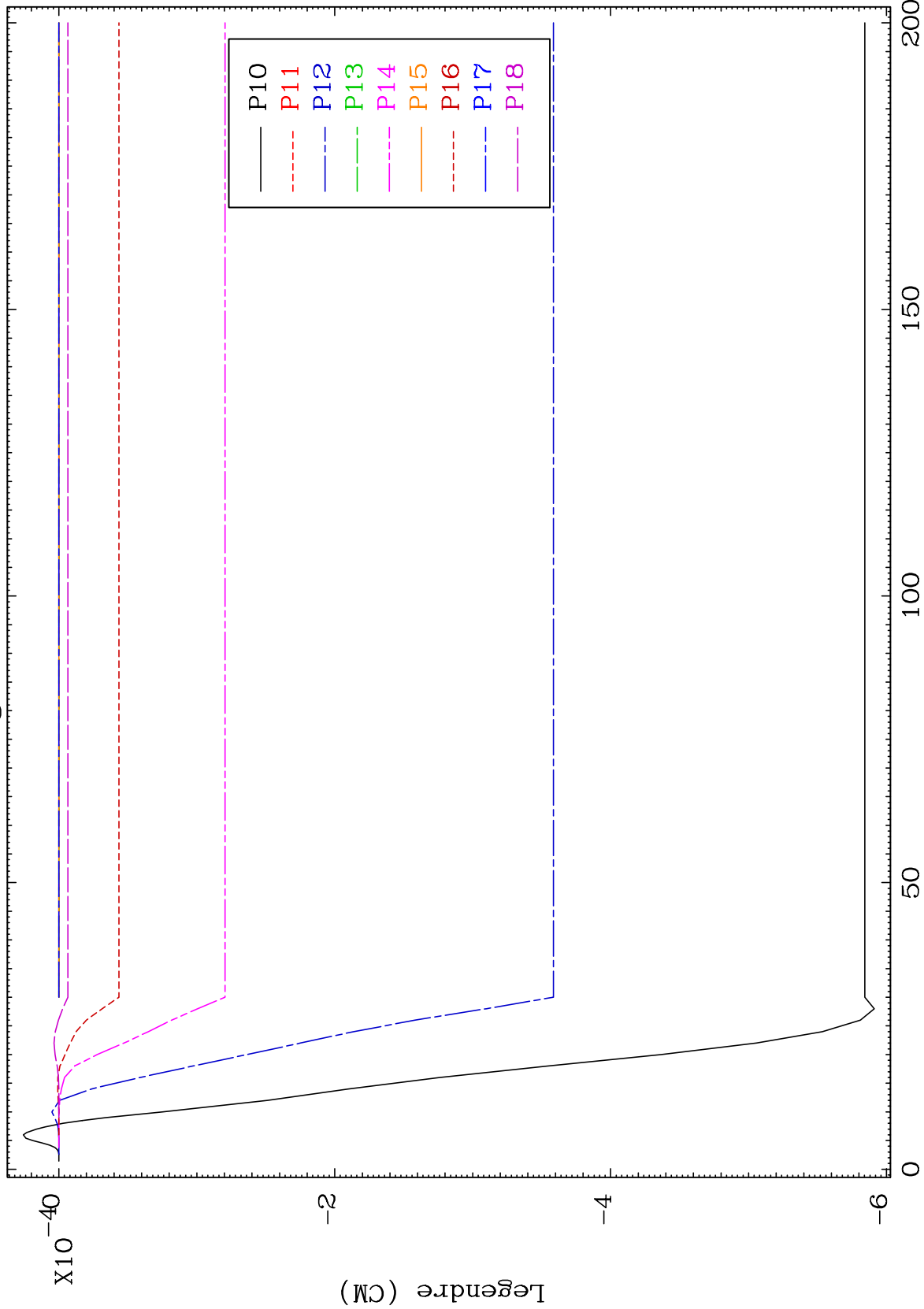
71-Lu-180



MAT 7140

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

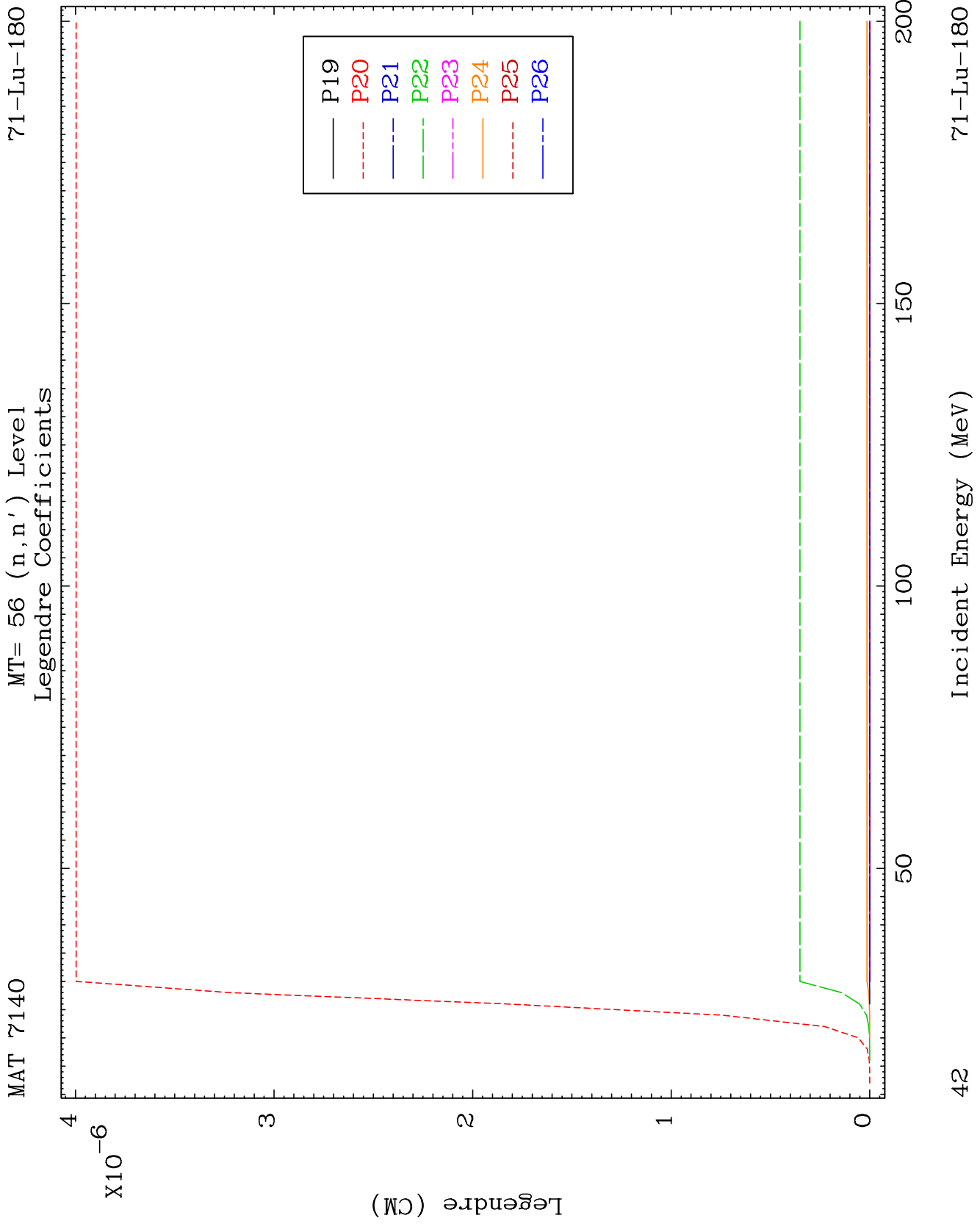
71-Lu-180



41

Incident Energy (MeV)

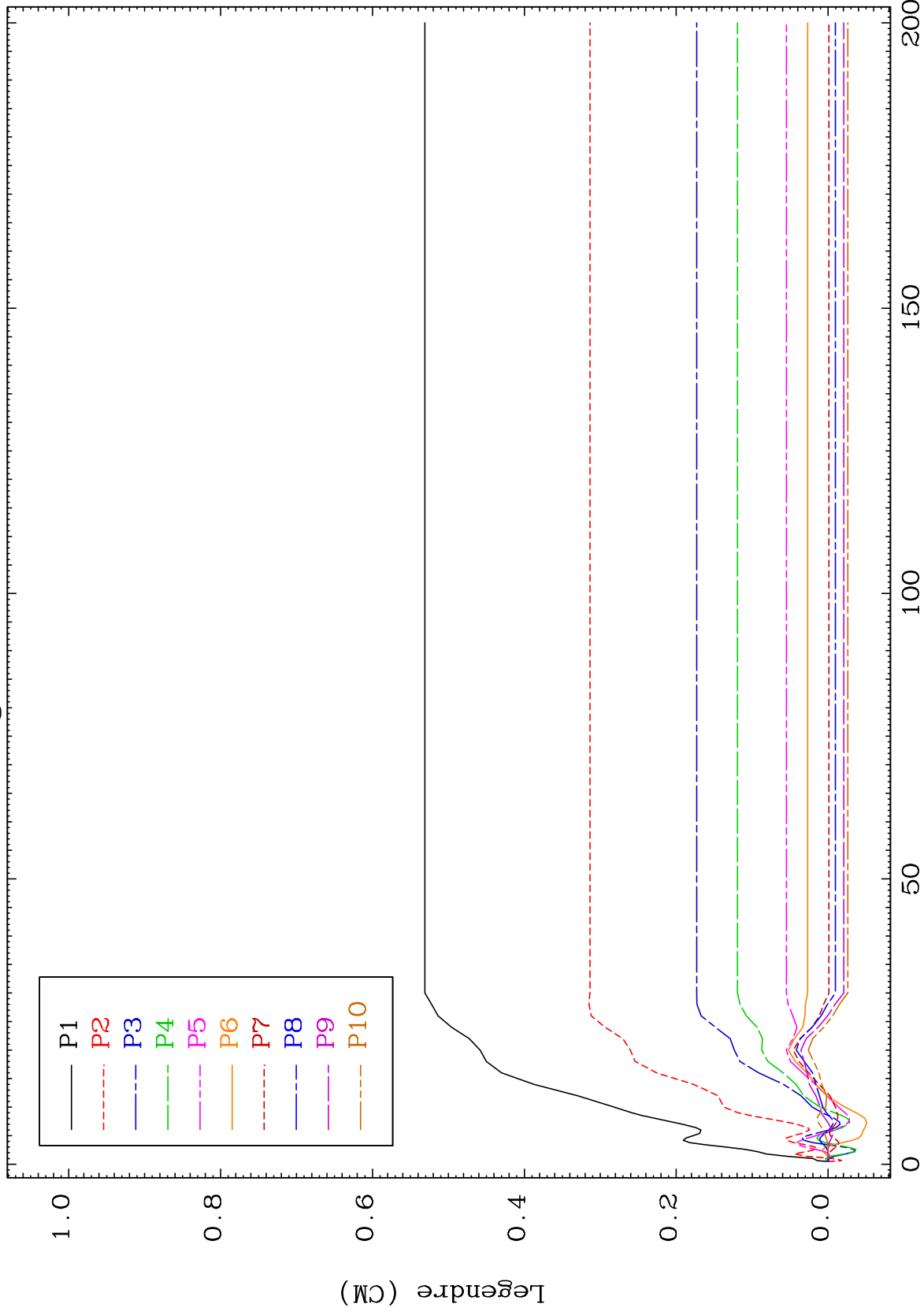
71-Lu-180



MAT 7140

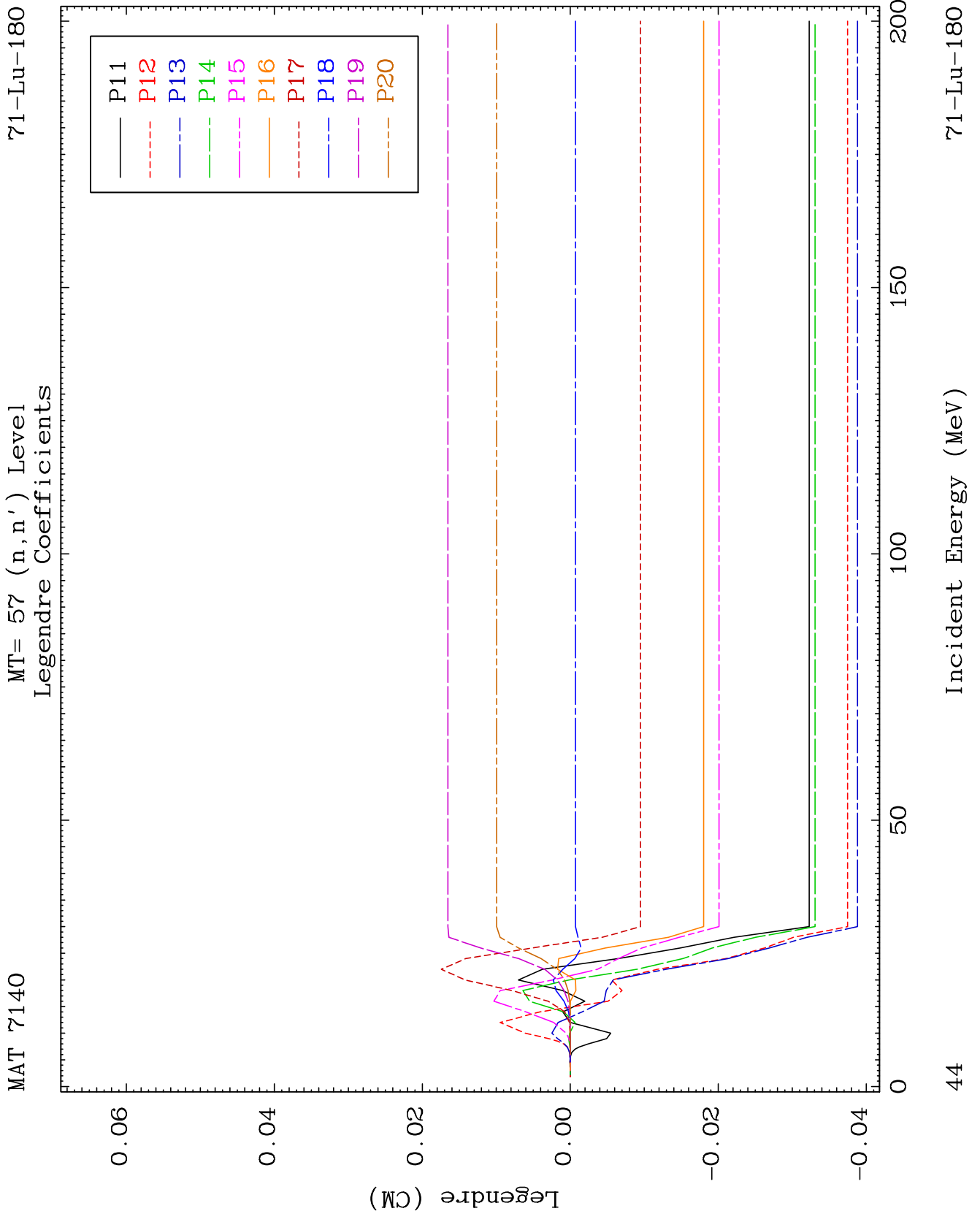
MT= 57 (n,n') Level
Legendre Coefficients

71-Lu-180



43

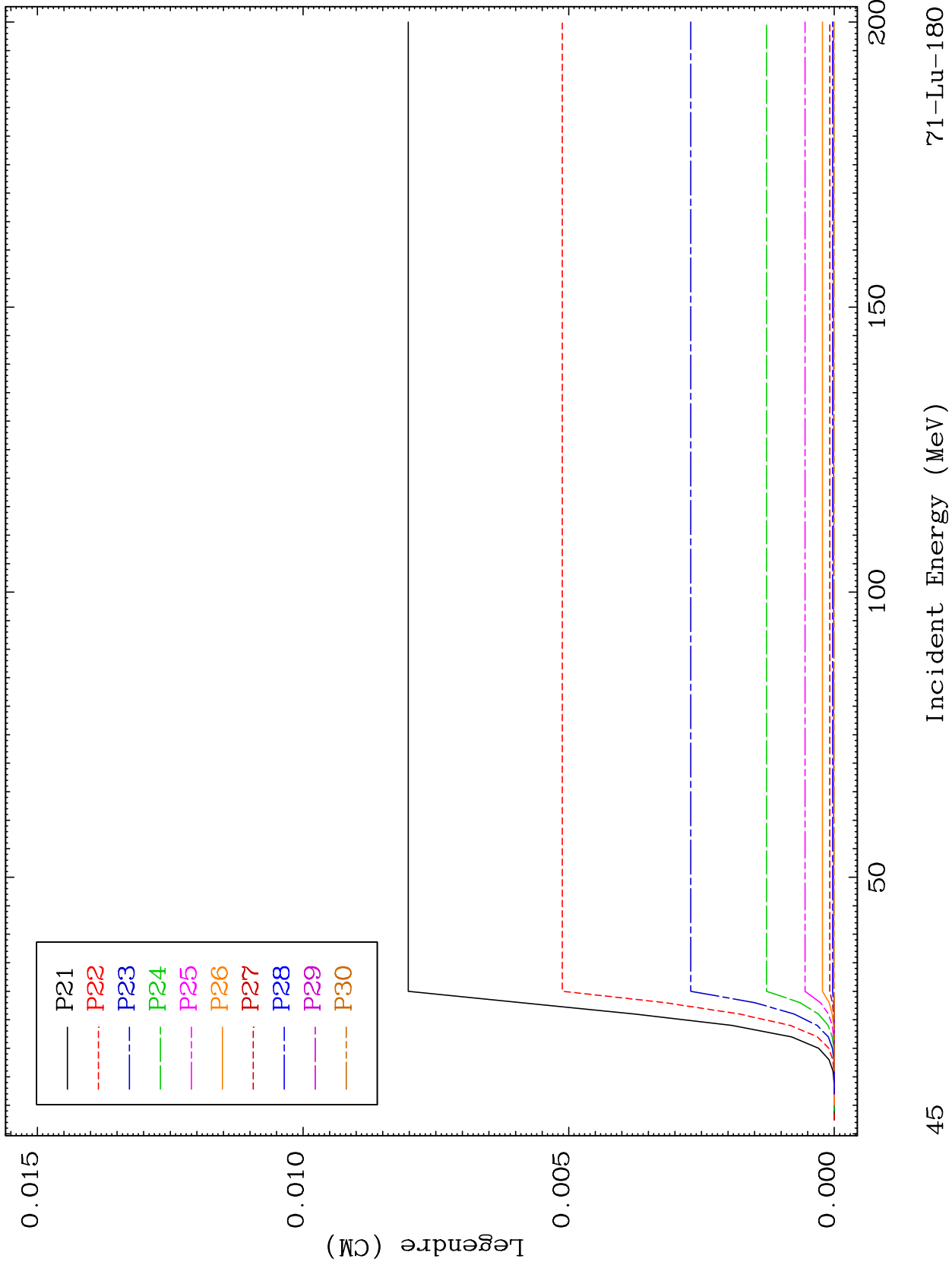
71-Lu-180



MAT 7140

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

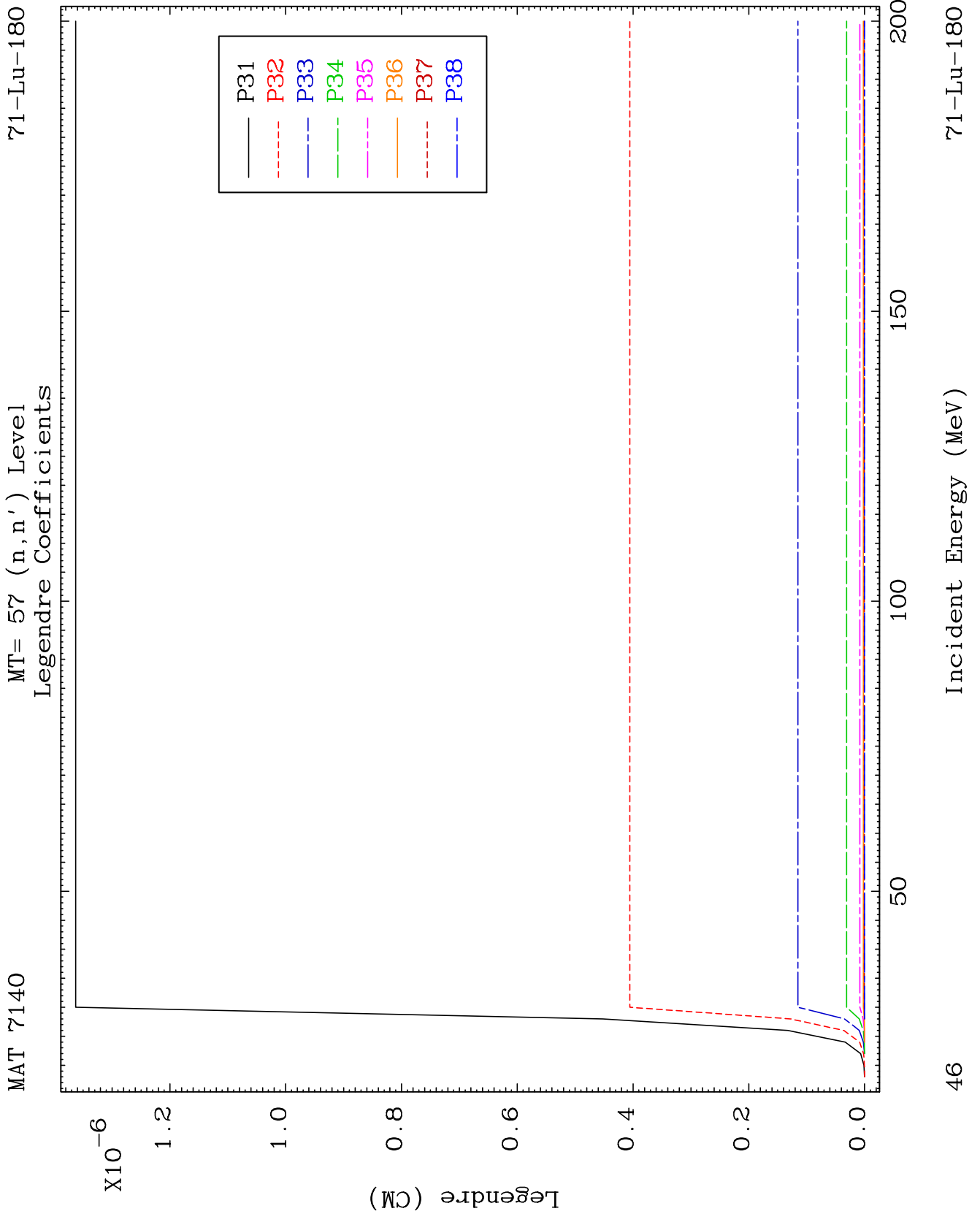
71-Lu-180



45

Incident Energy (MeV)

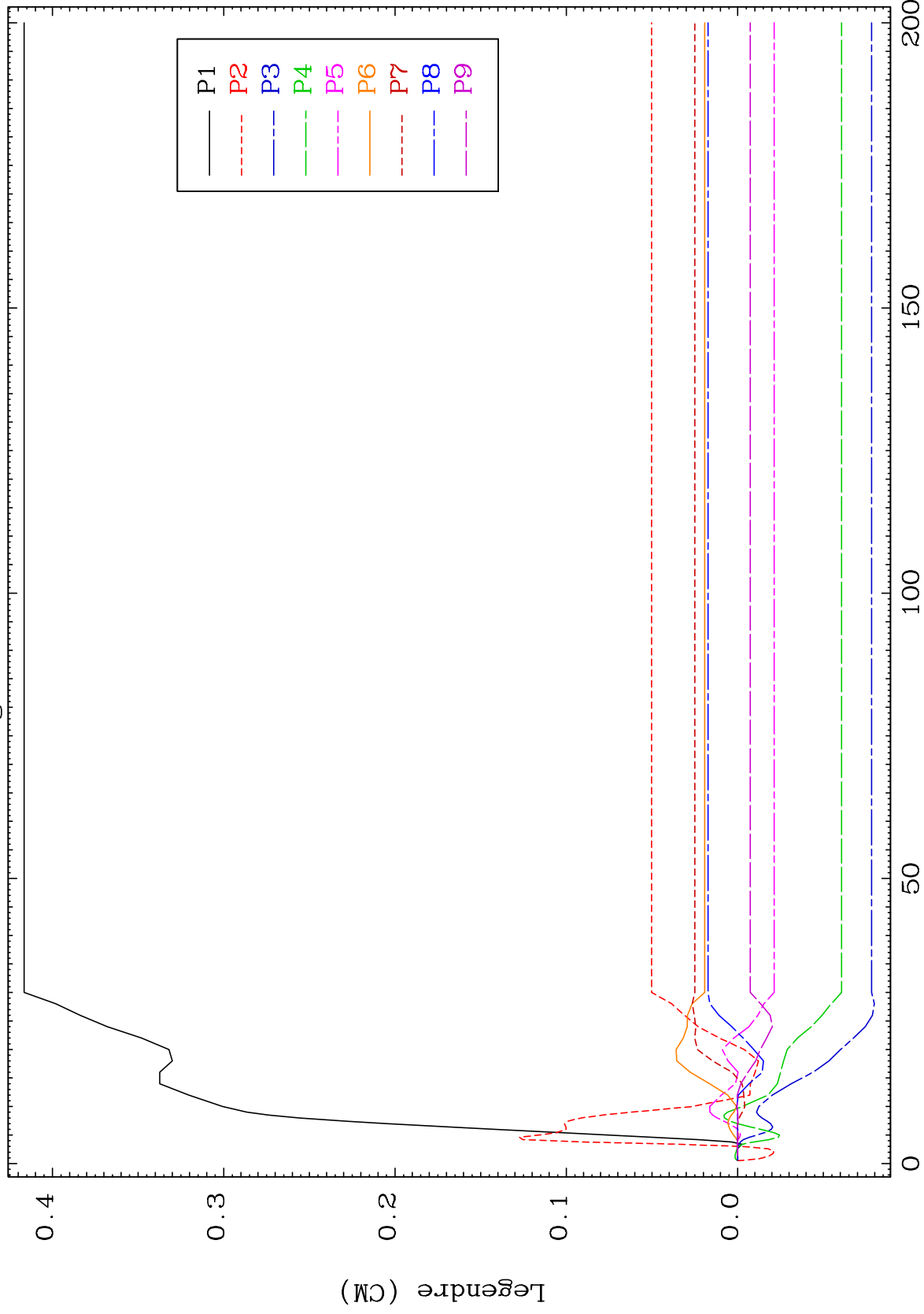
71-Lu-180



MAT 7140

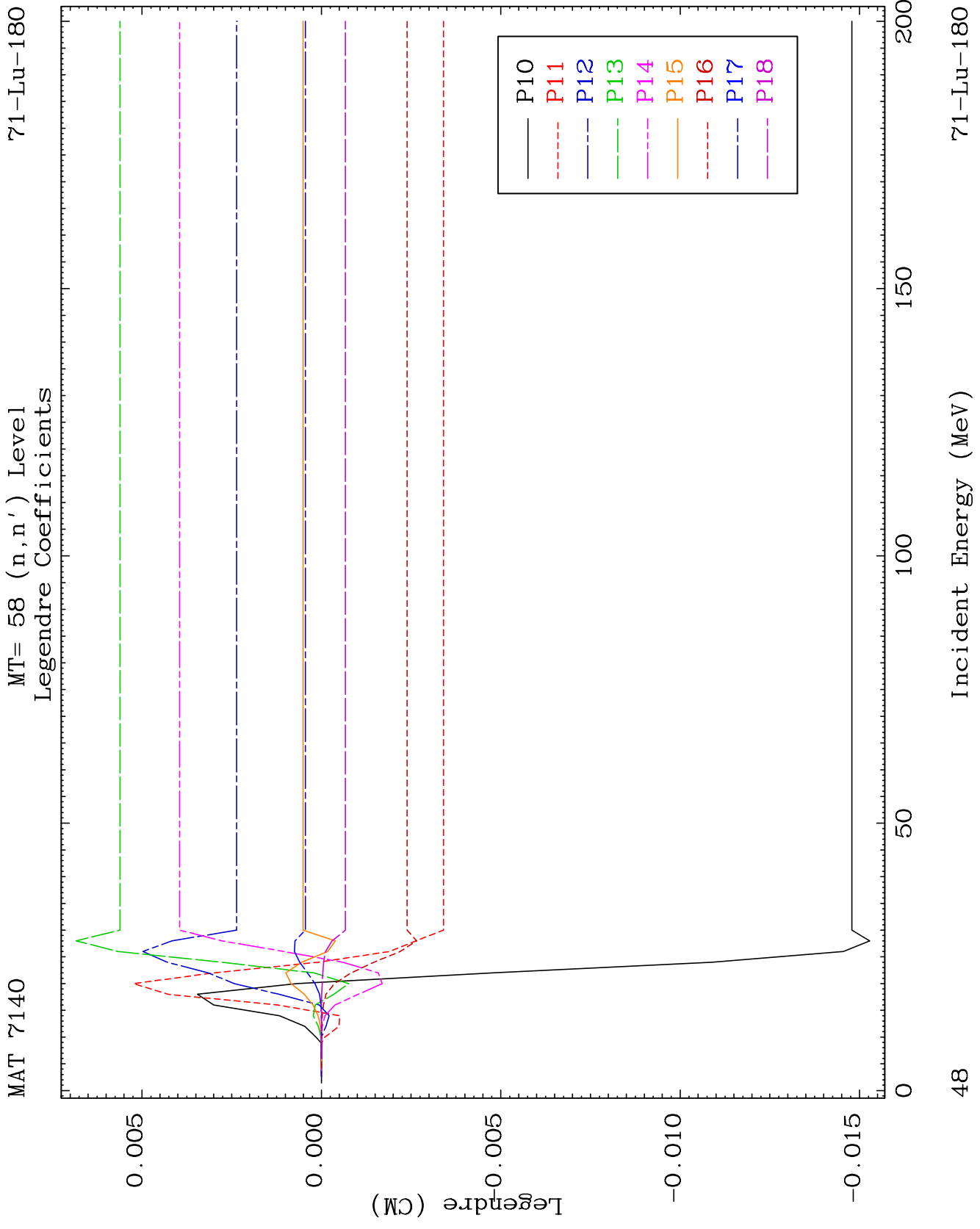
MT= 58 (n,n') Level
Legendre Coefficients

71-Lu-180



47

71-Lu-180



71-Lu-180

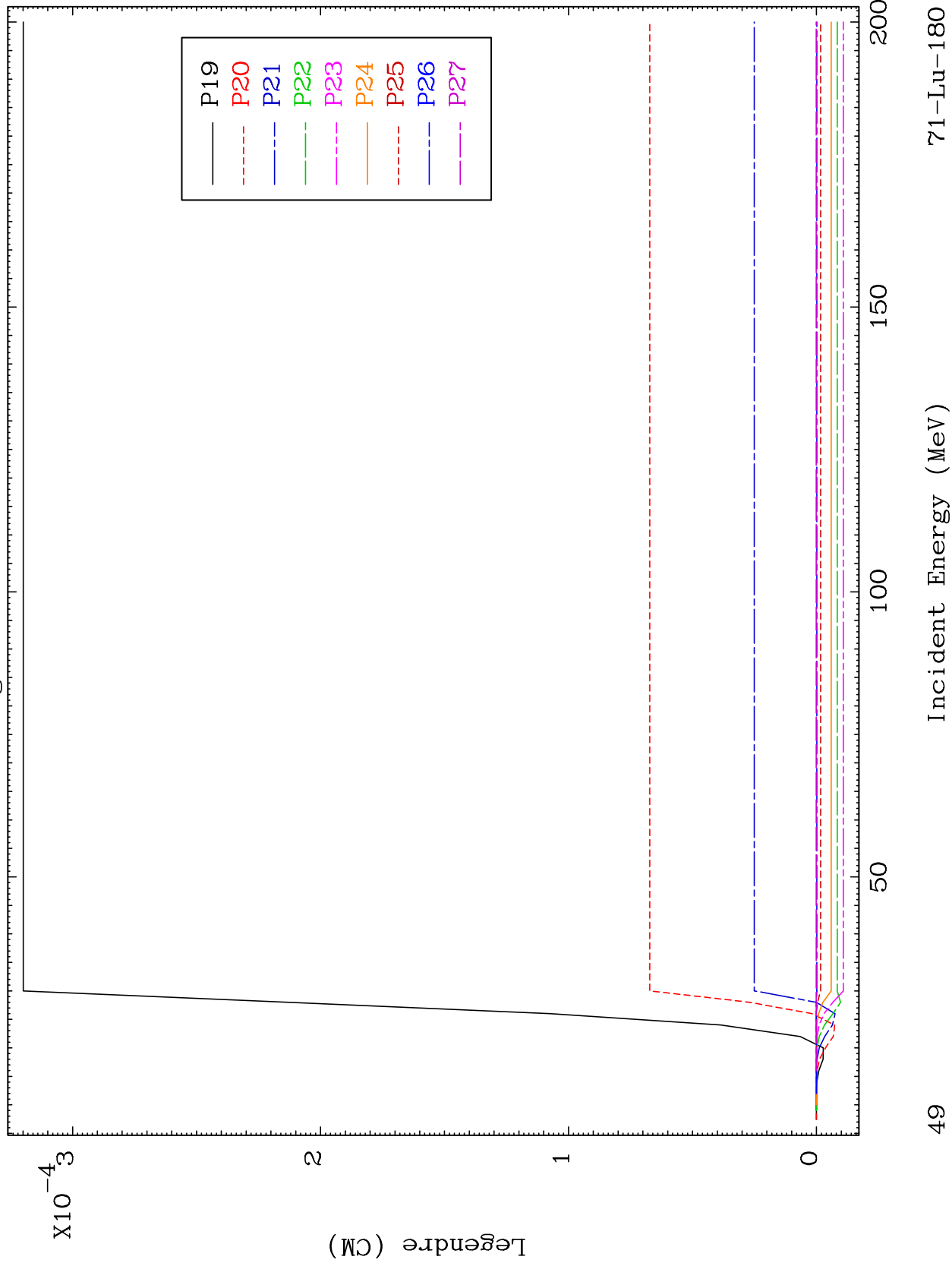
Incident Energy (MeV)

48

MAT 7140

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

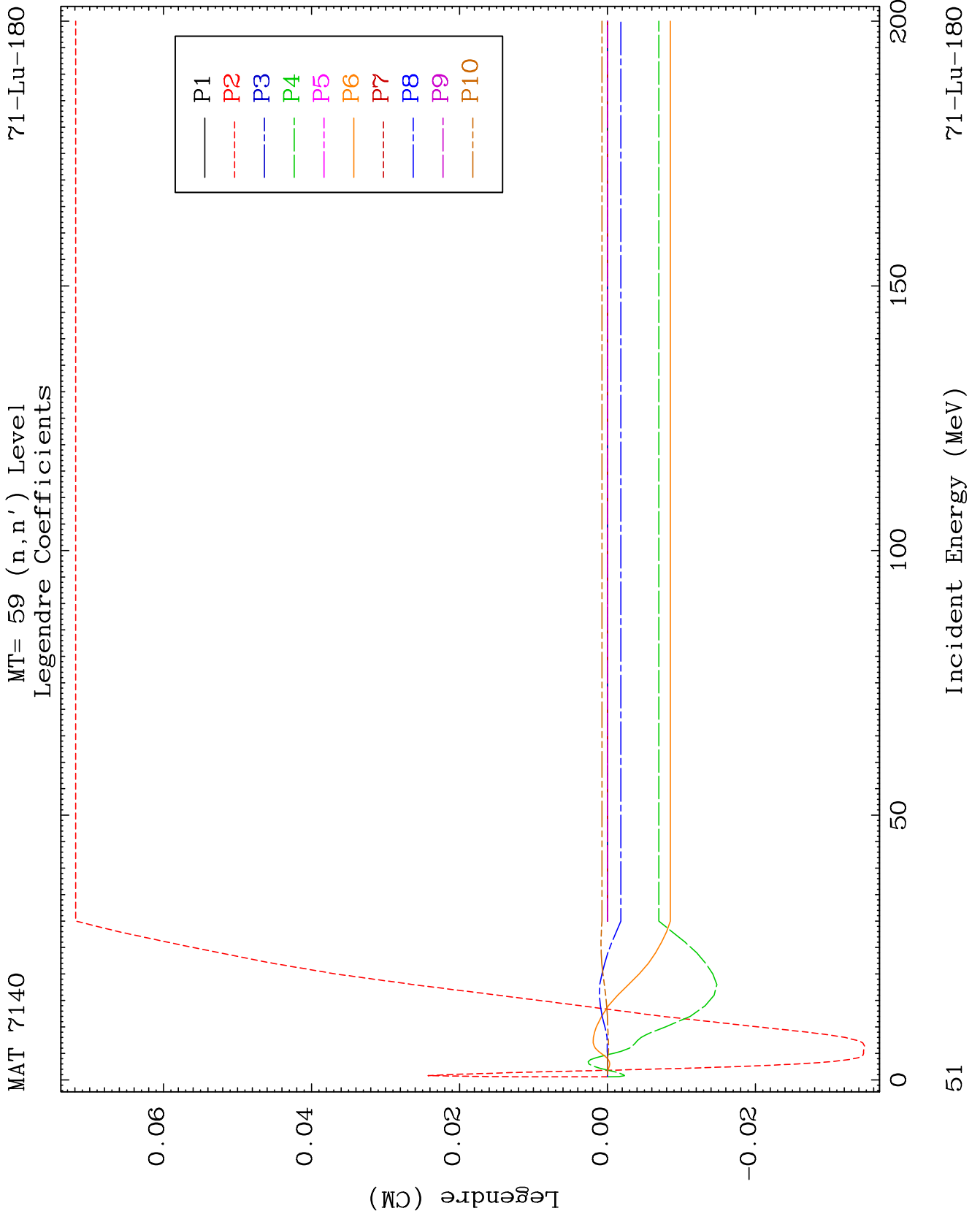
71-Lu-180

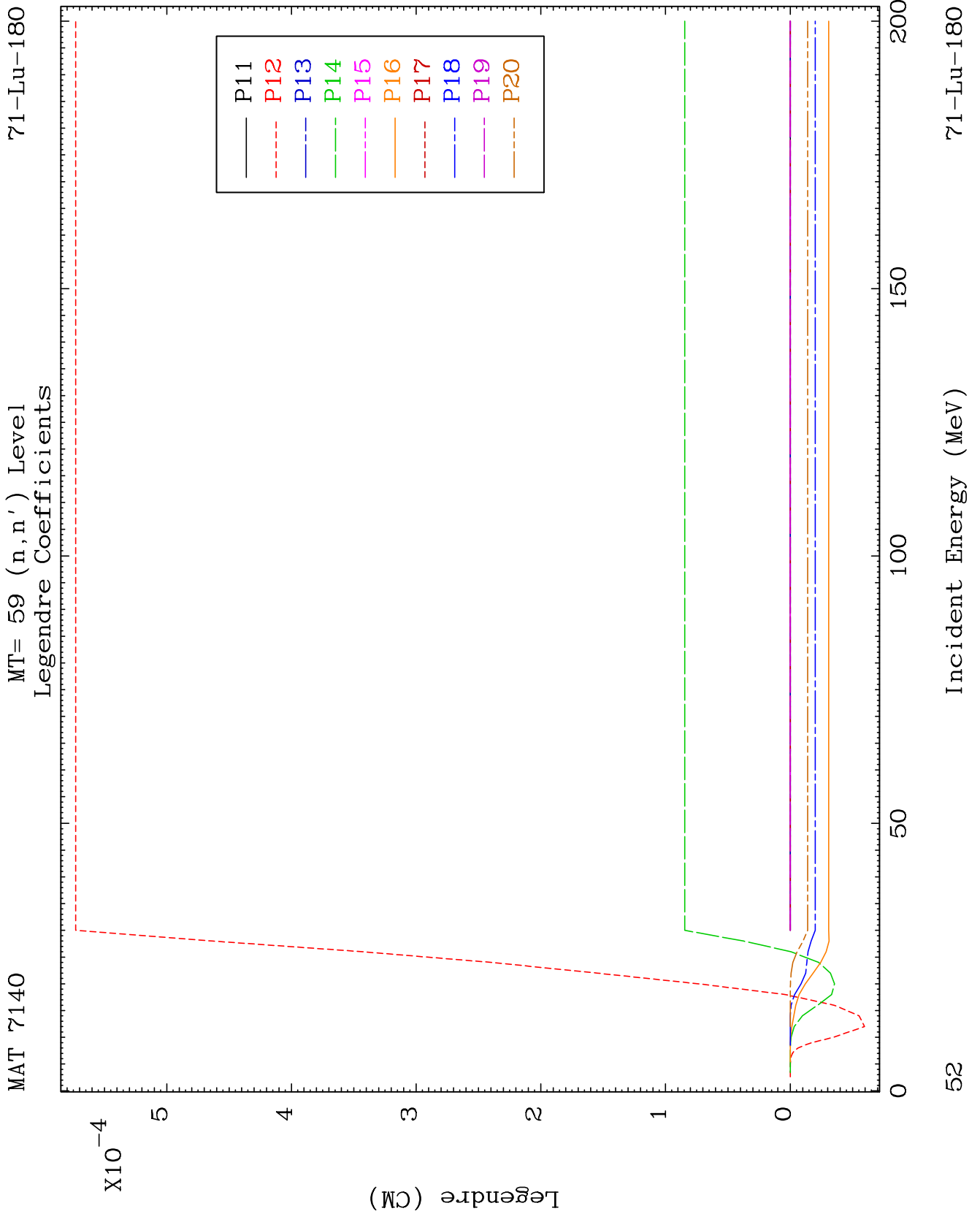


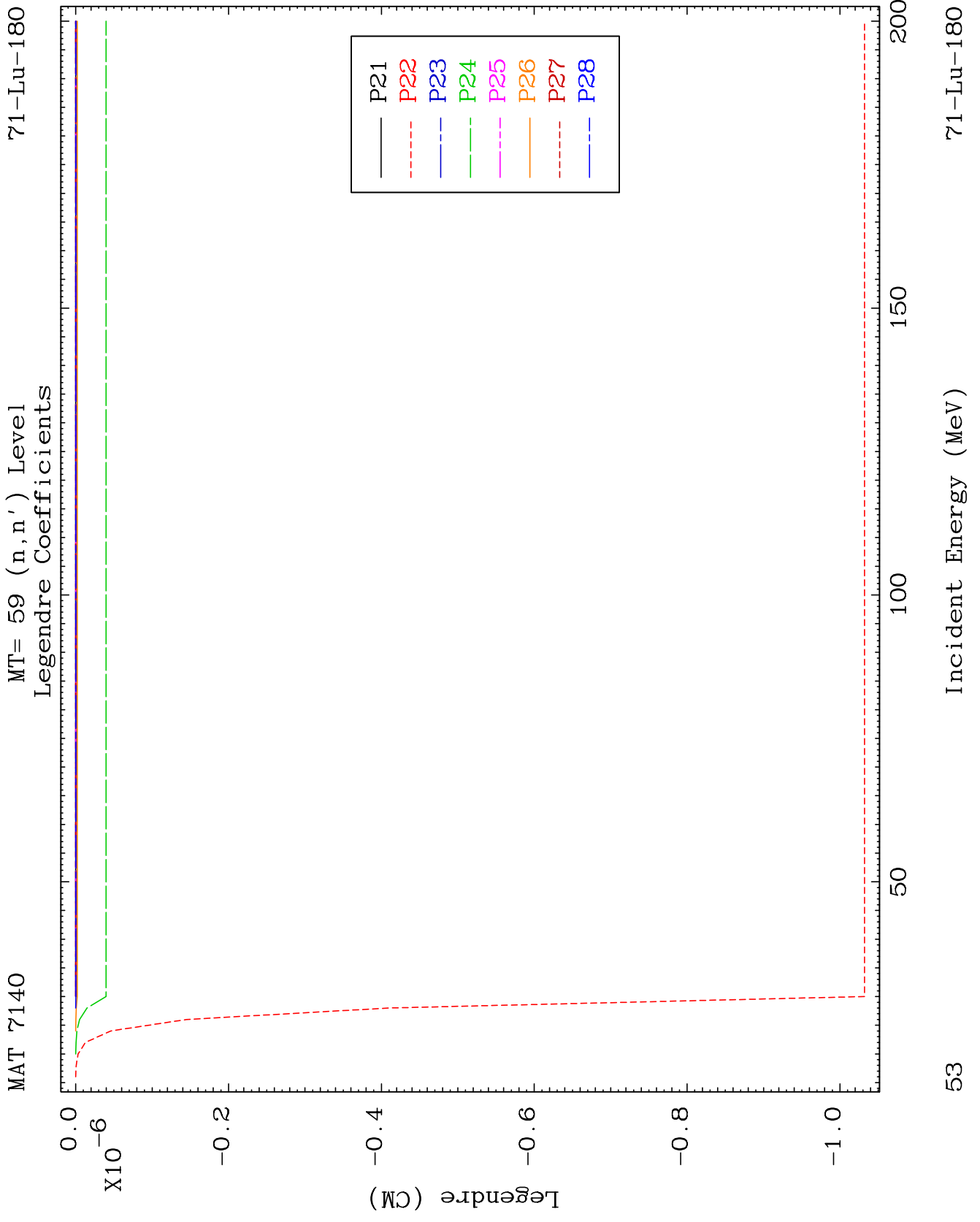
49

Incident Energy (MeV)

71-Lu-180



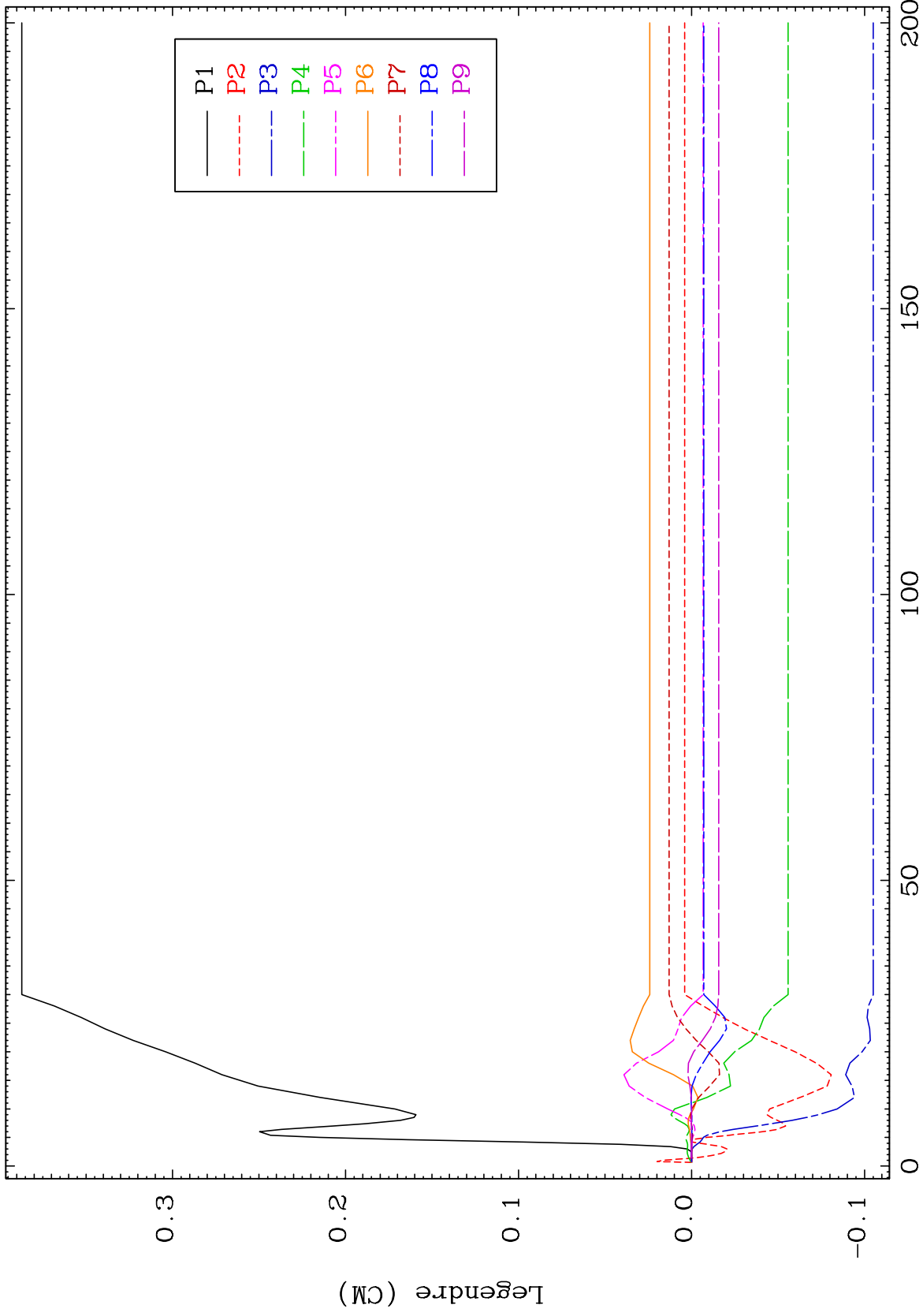




MAT 7140

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

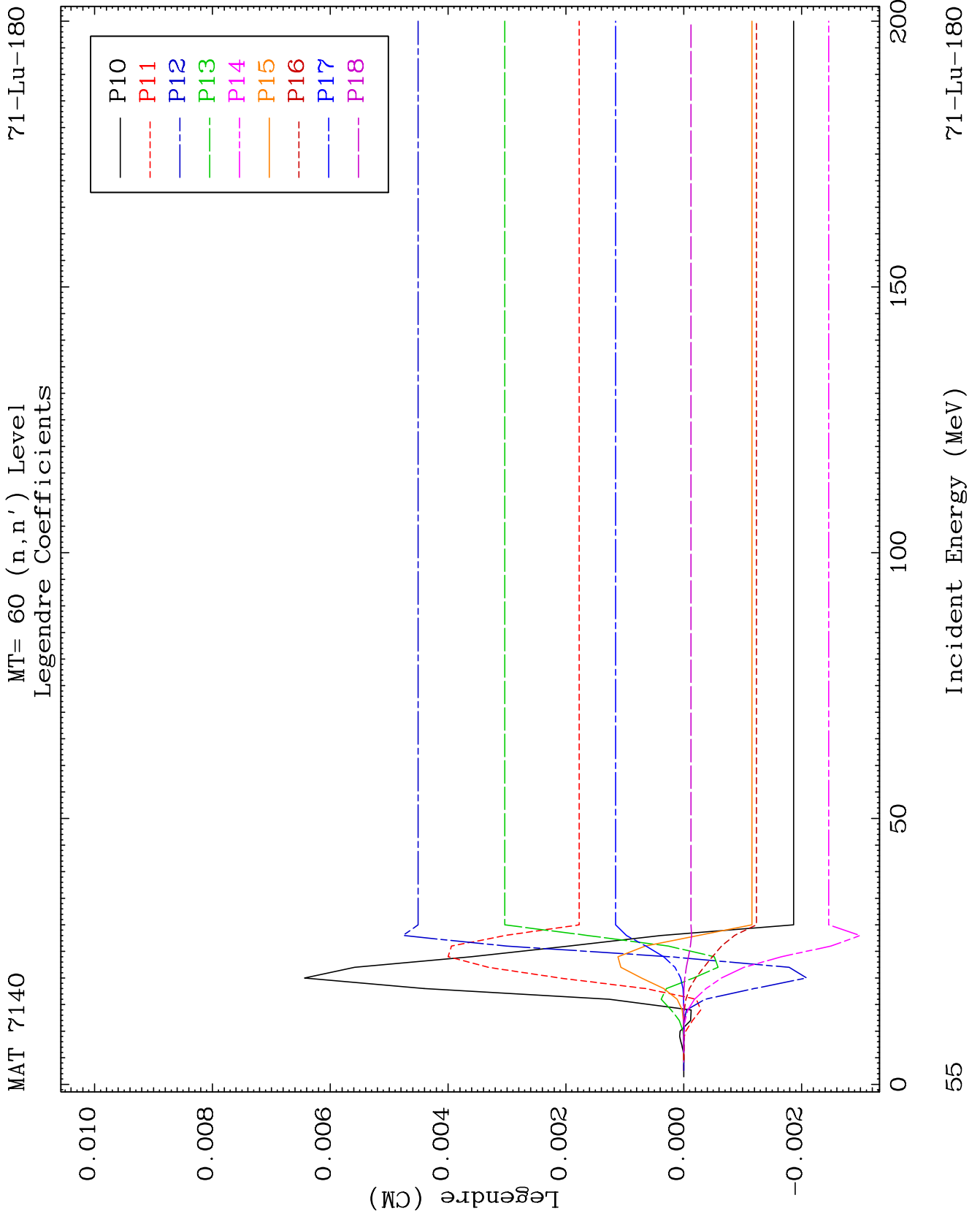
71-Lu-180

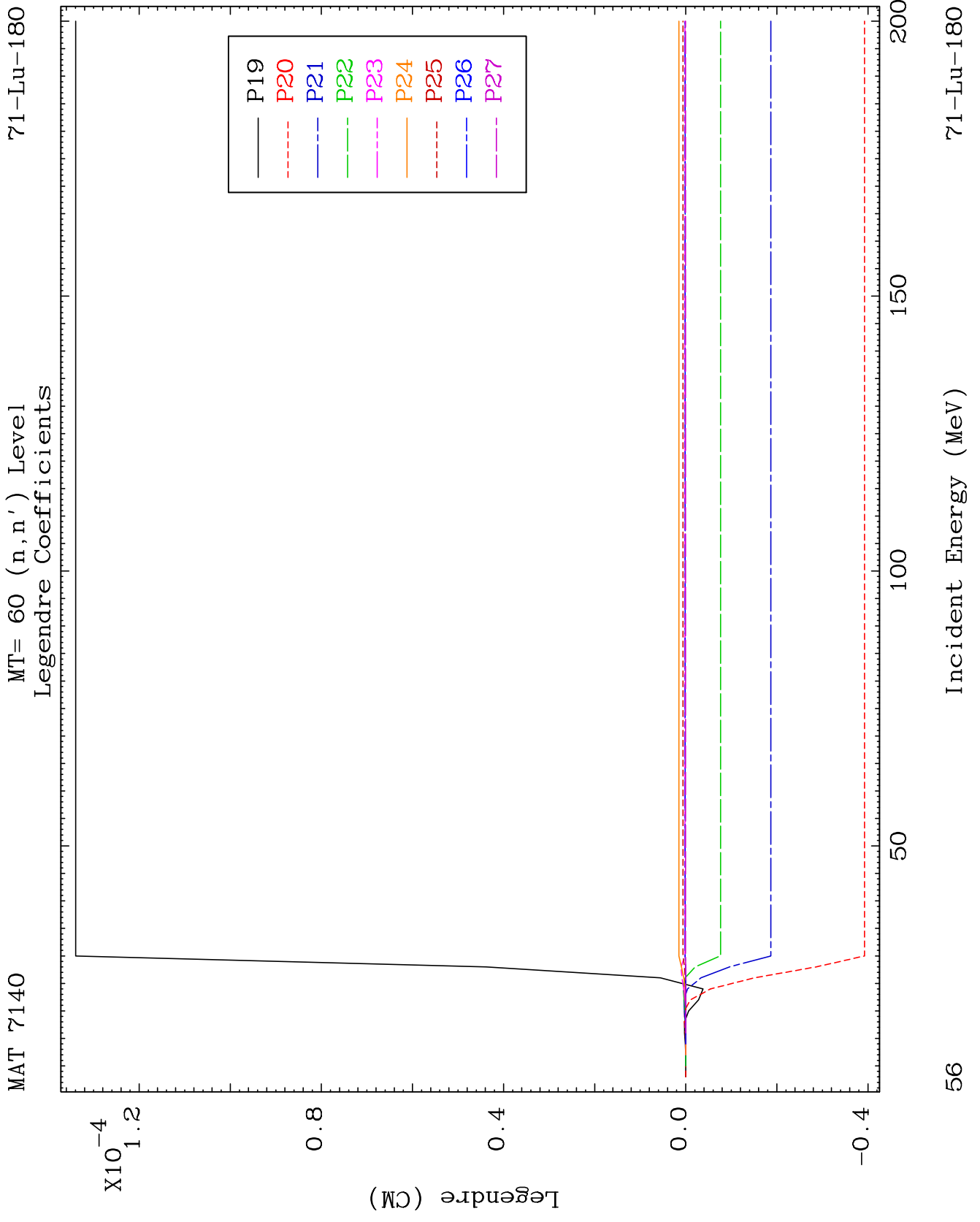


54

Incident Energy (MeV)

71-Lu-180

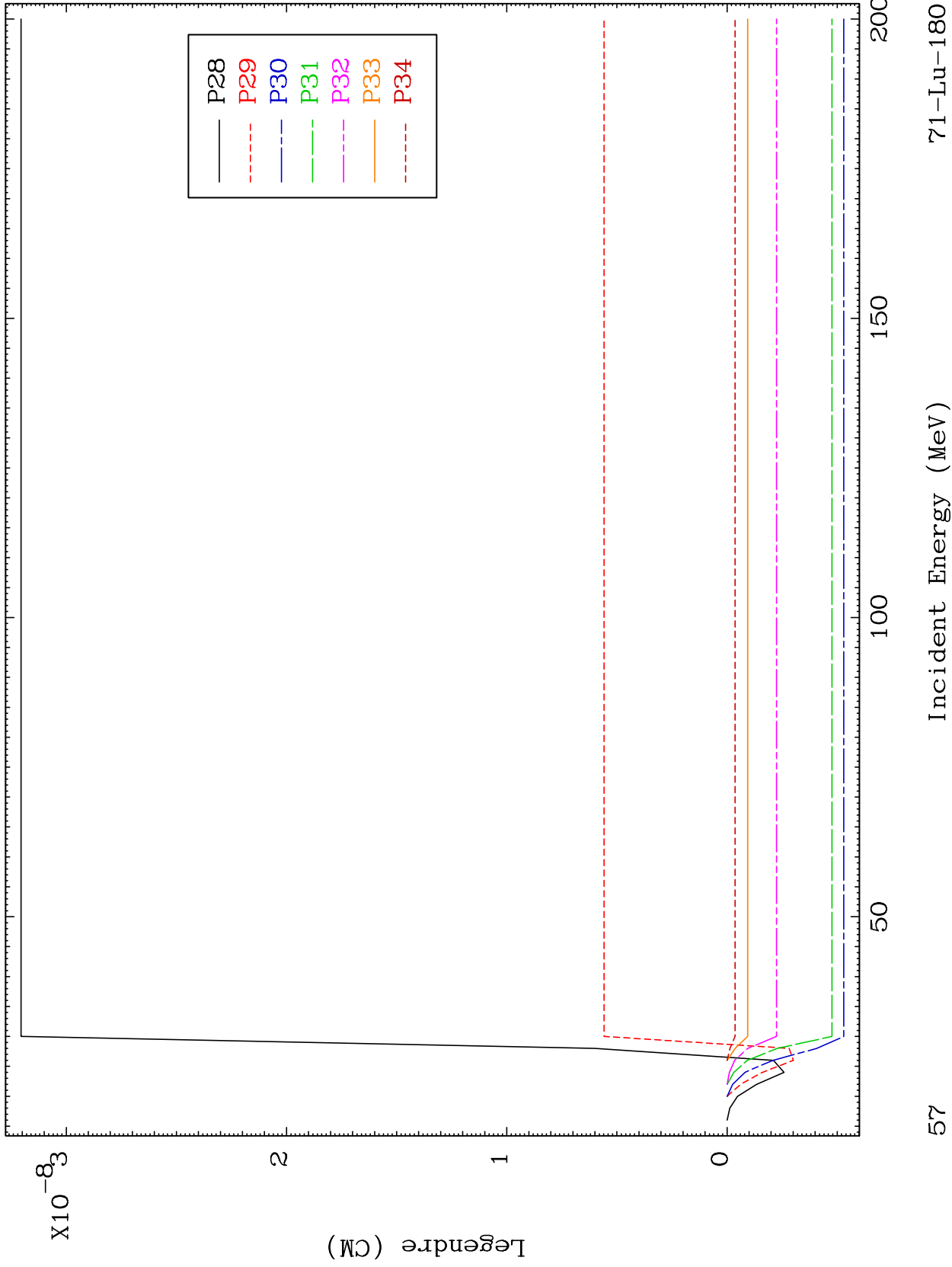




MAT 7140

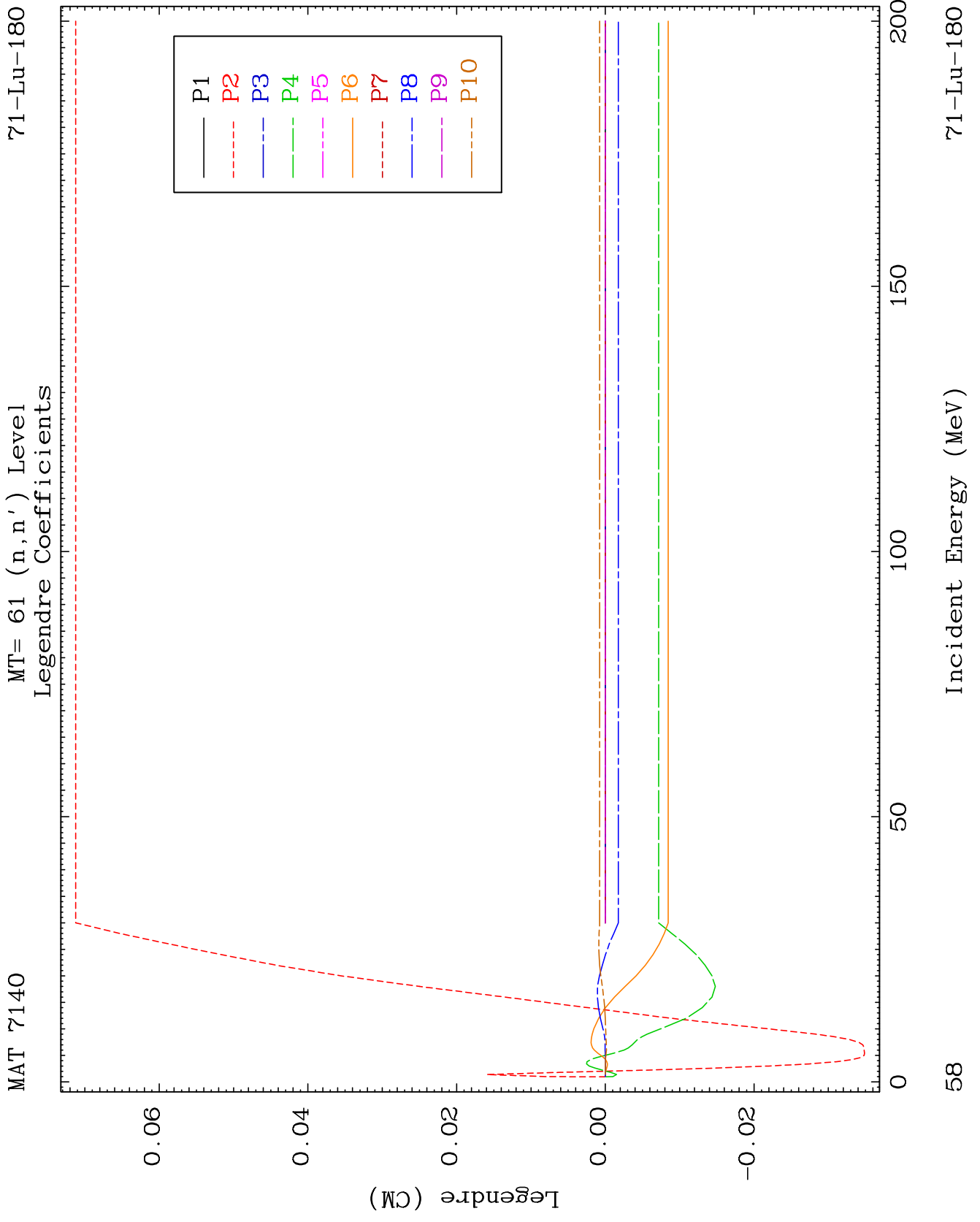
MT= 60 (n,n') Level
Legendre Coefficients

71-Lu-180



57

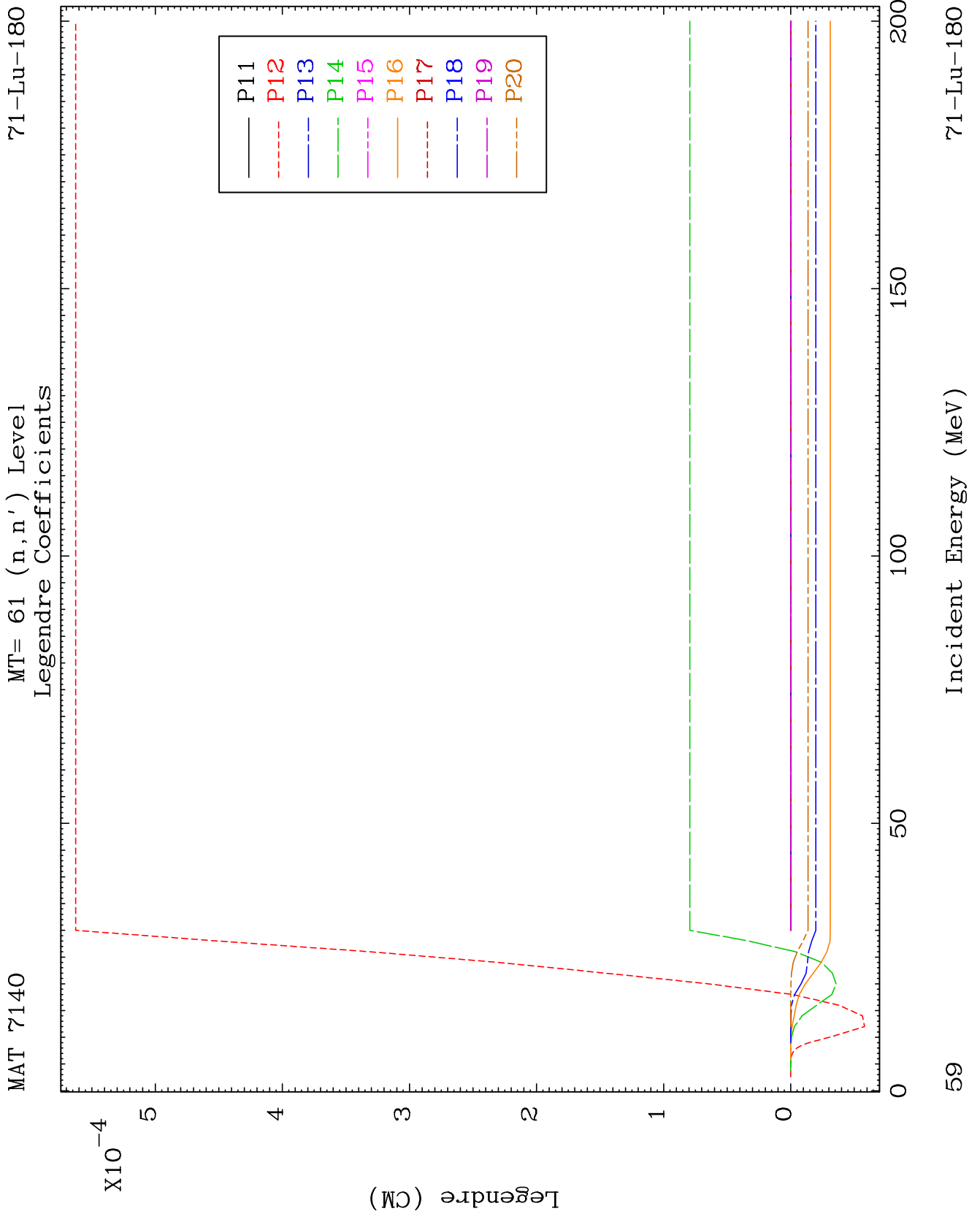
71-Lu-180

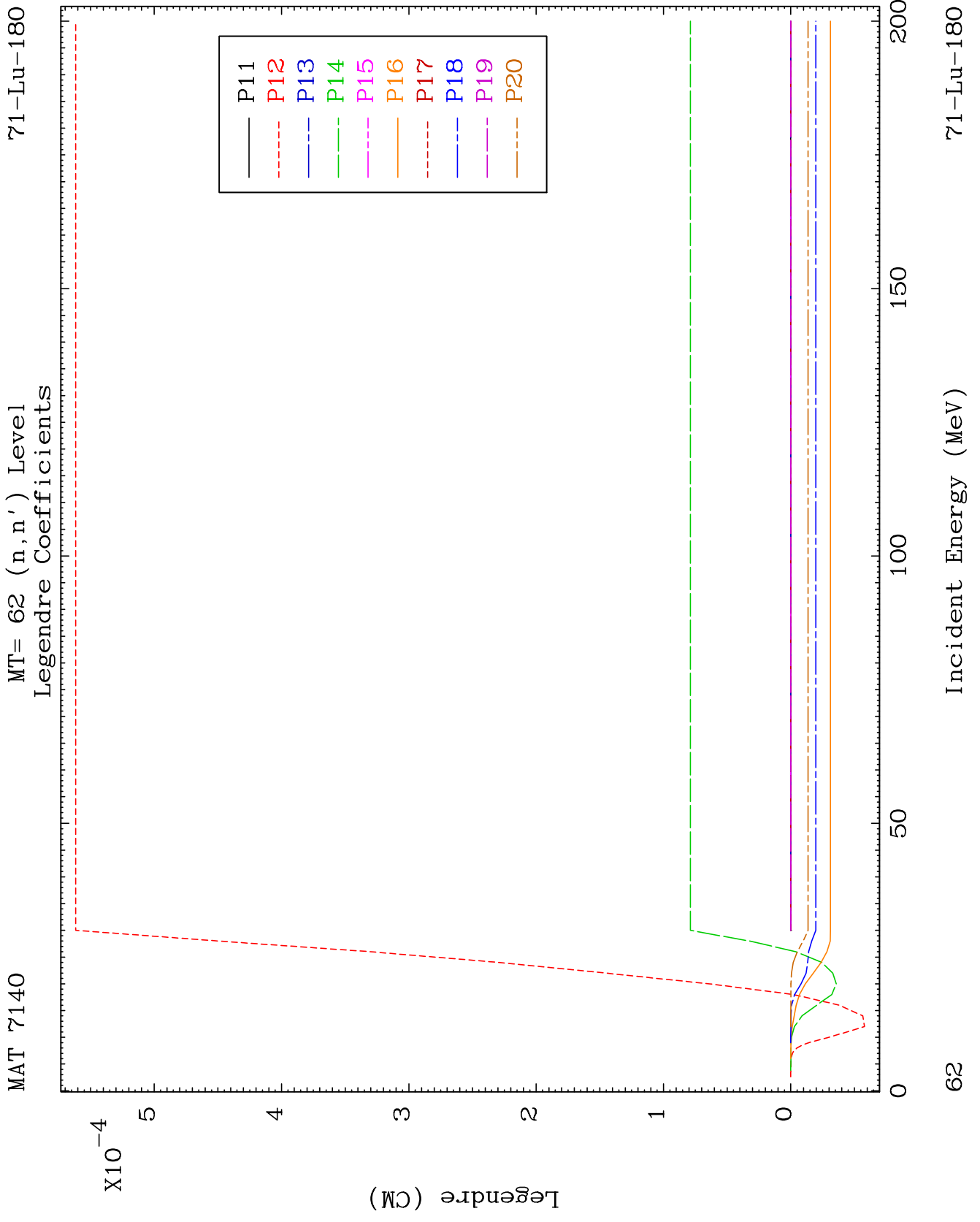


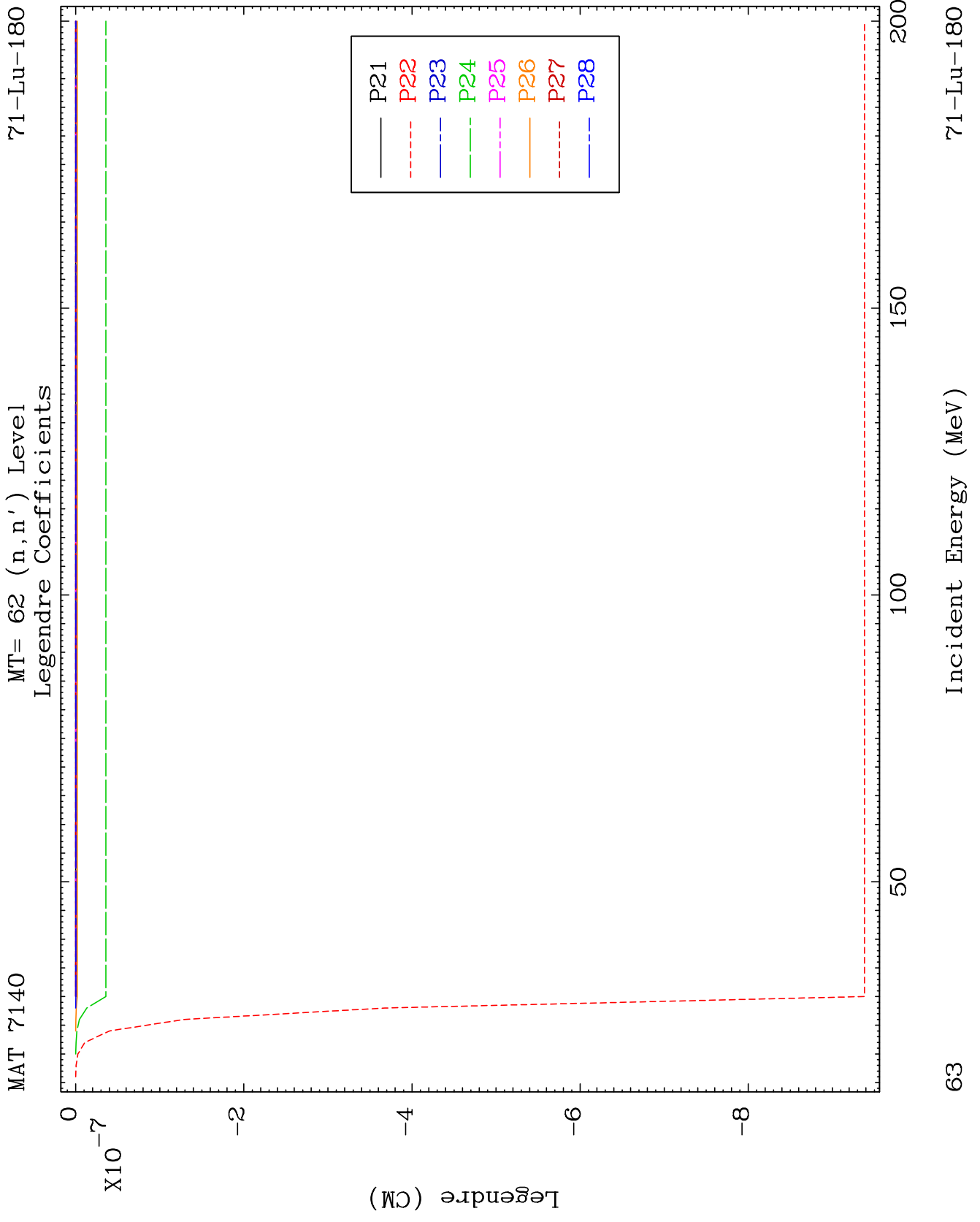
71-Lu-180

Incident Energy (MeV)

58



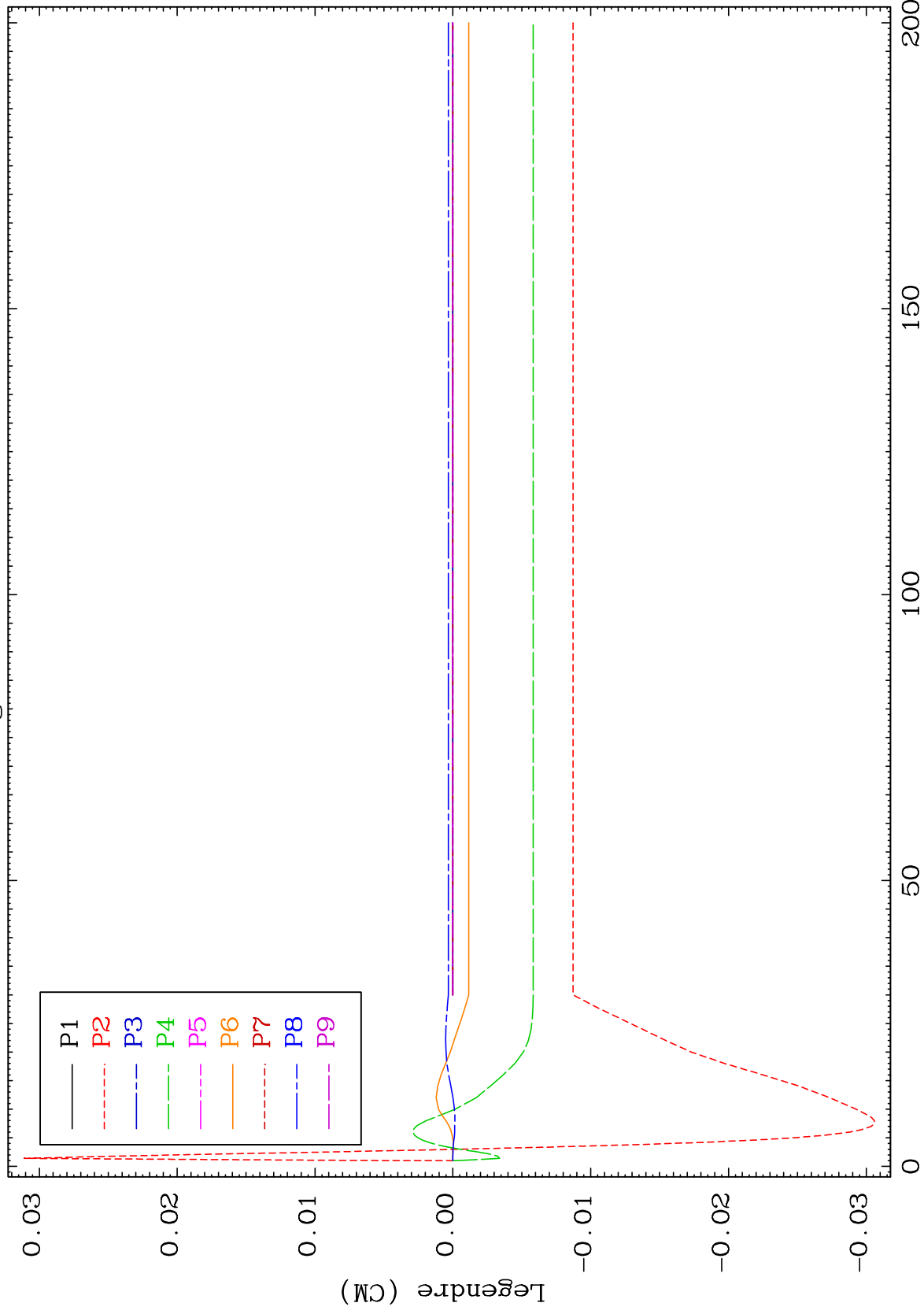




MAT 7140

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

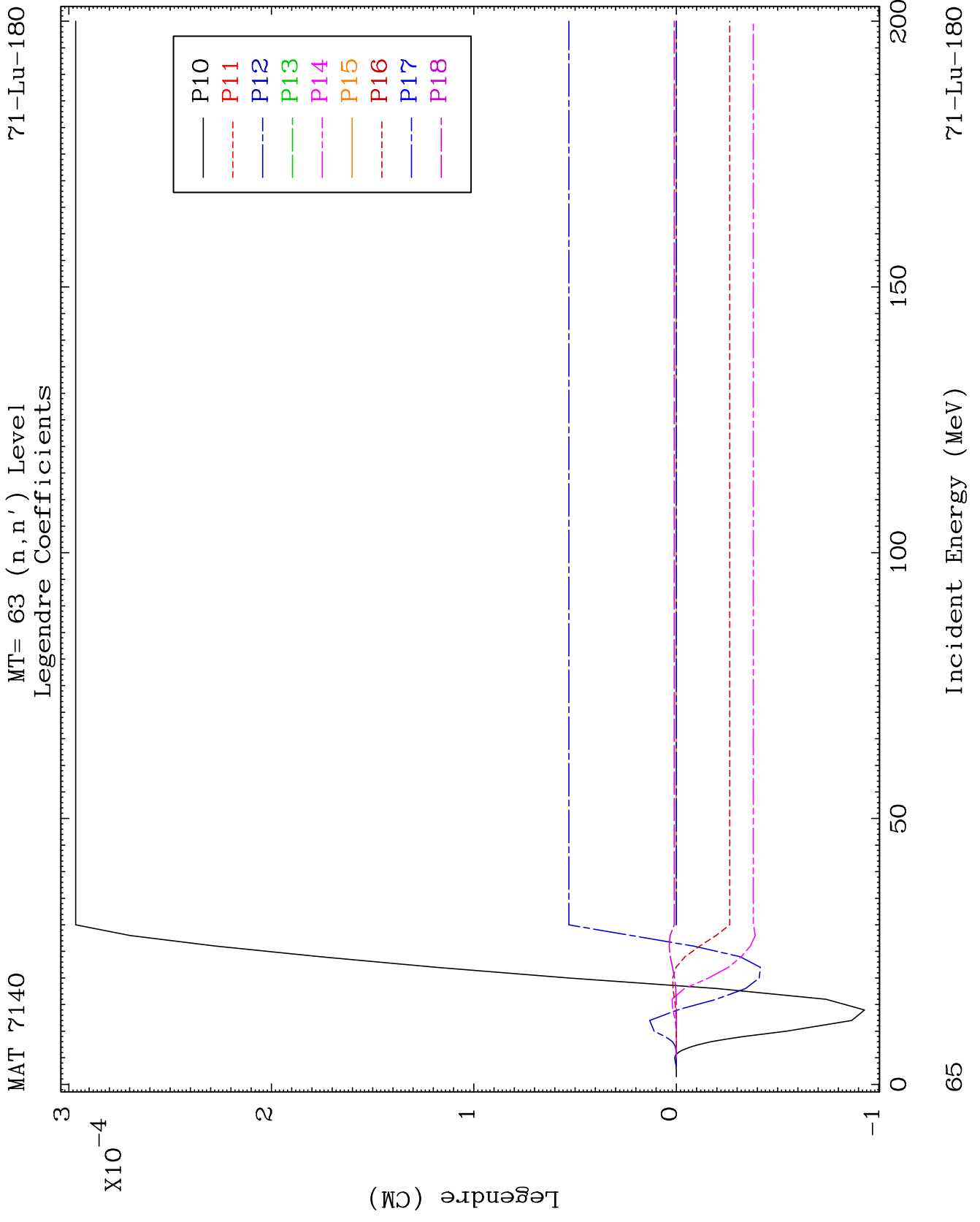
71-Lu-180

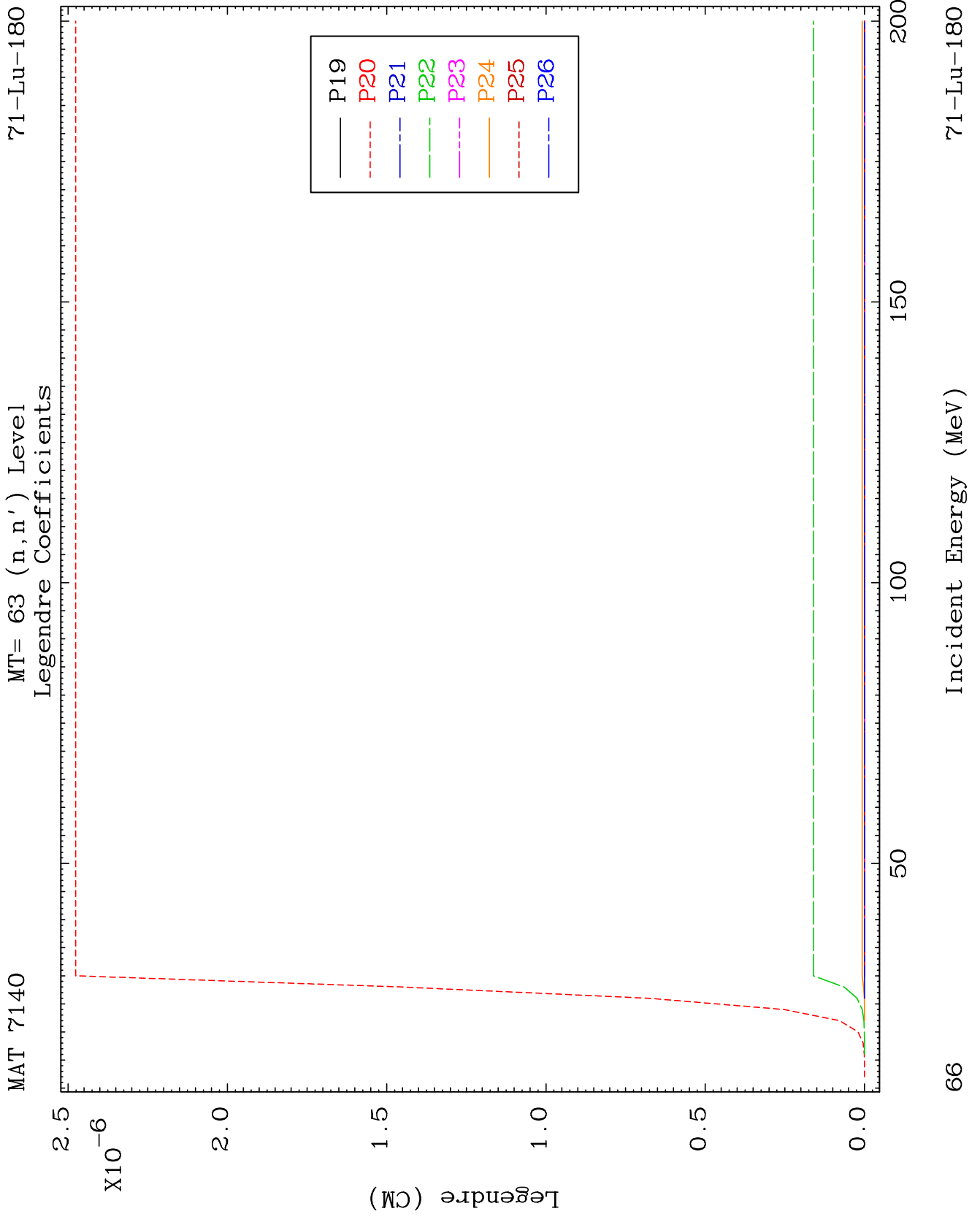


64

Incident Energy (MeV)

71-Lu-180

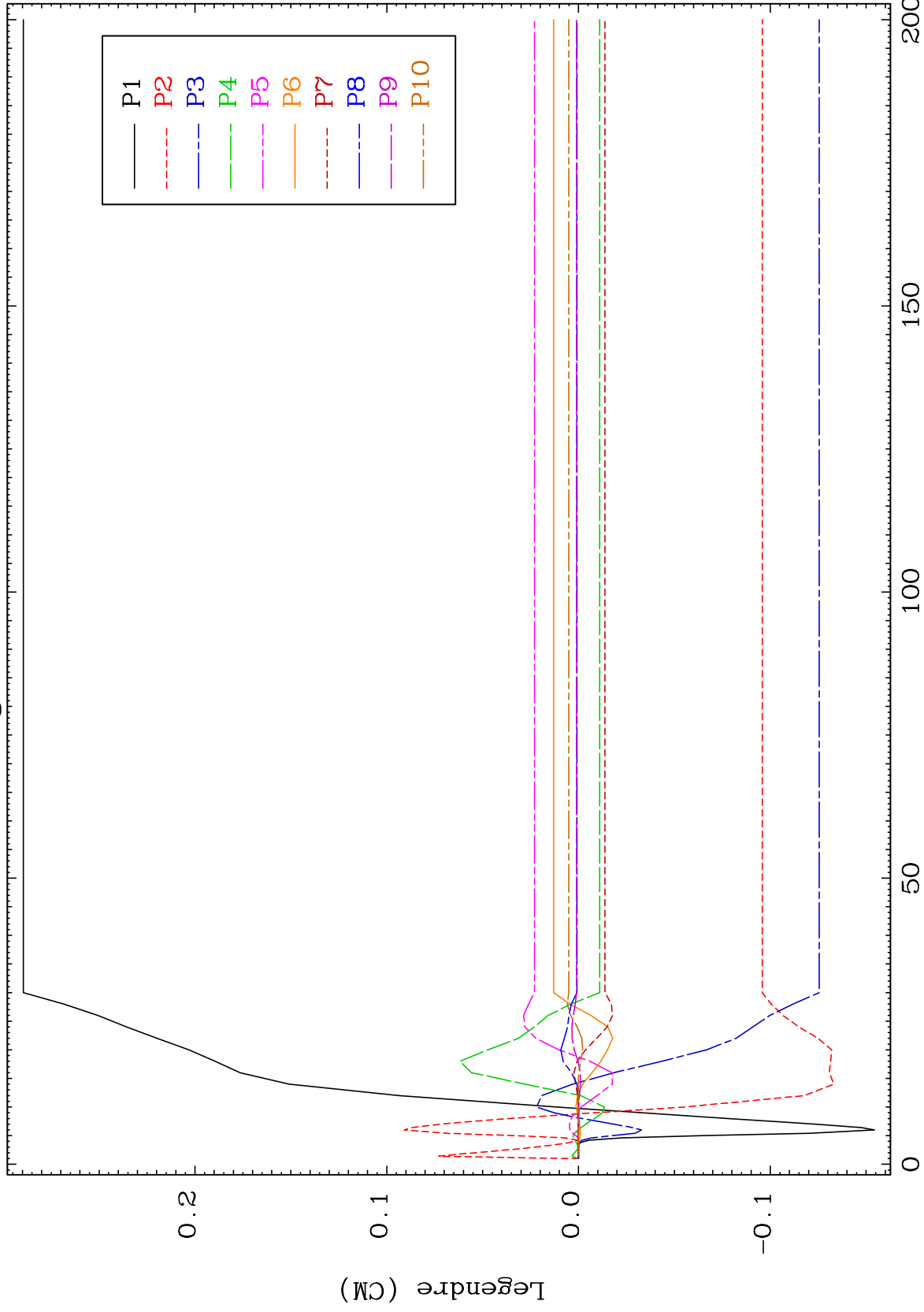




MAT 7140

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

71-Lu-180



67

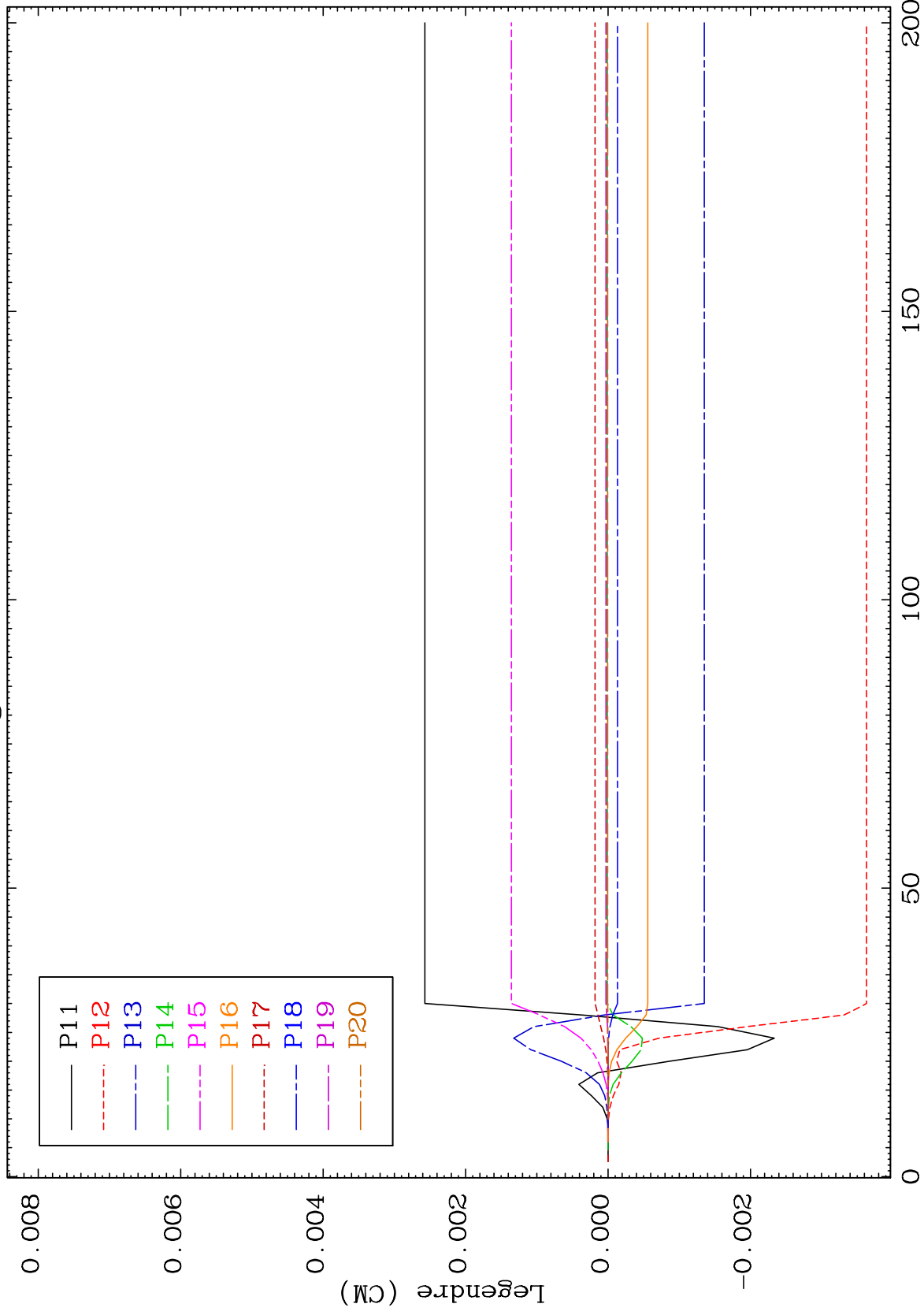
Incident Energy (MeV)

71-Lu-180

MAT 7140

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

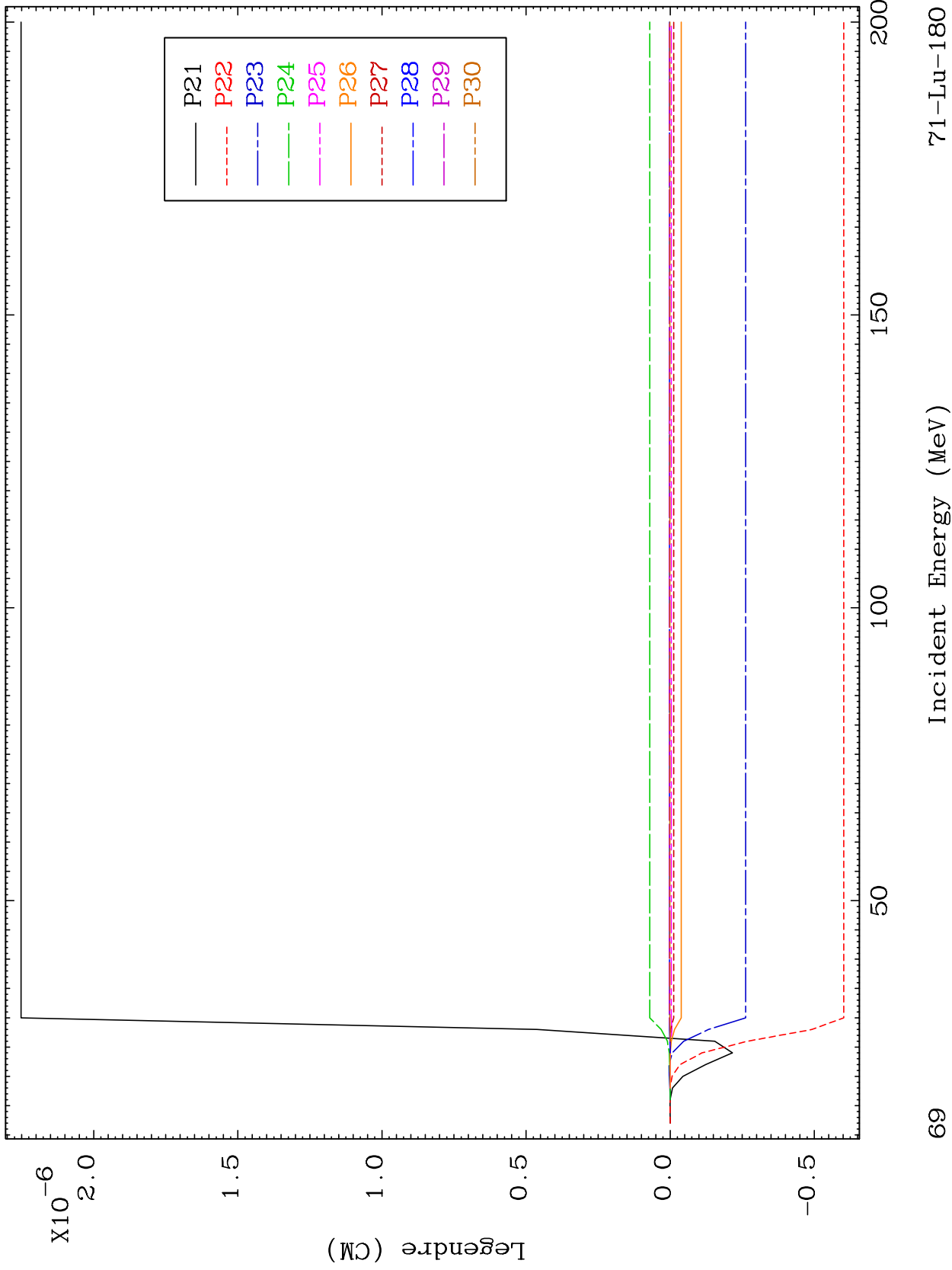
71-Lu-180

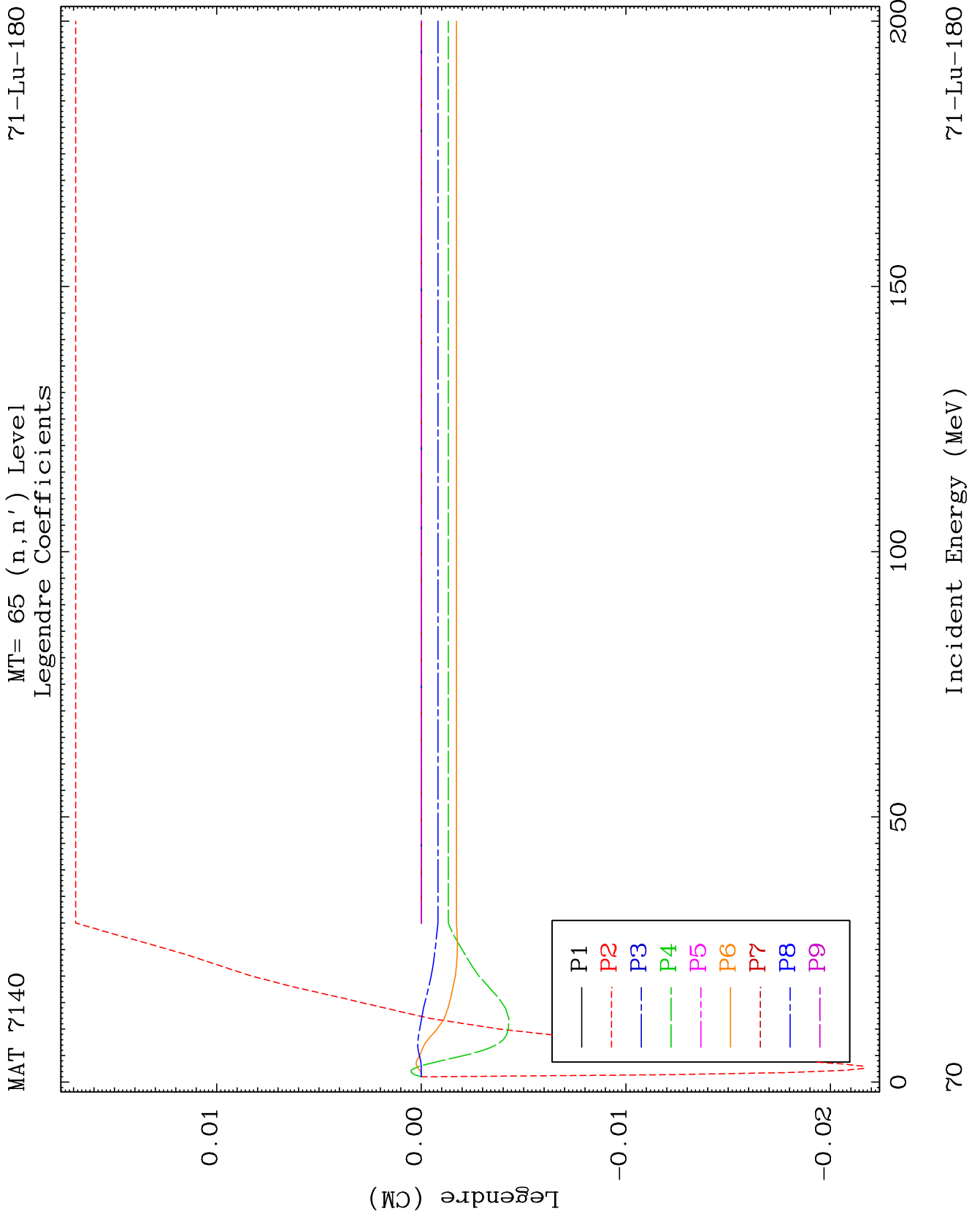


68

Incident Energy (MeV)

71-Lu-180

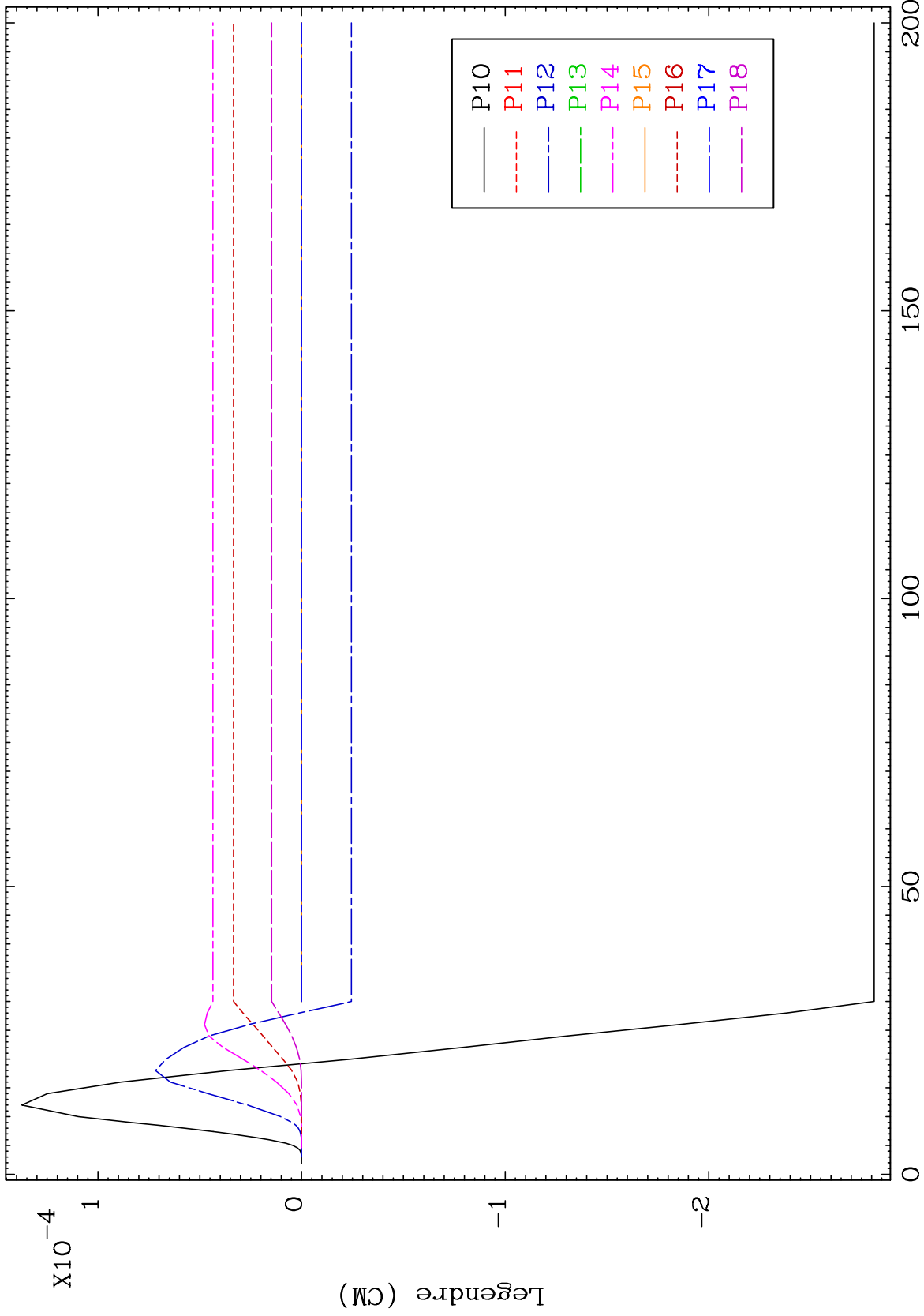




MAT 7140

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

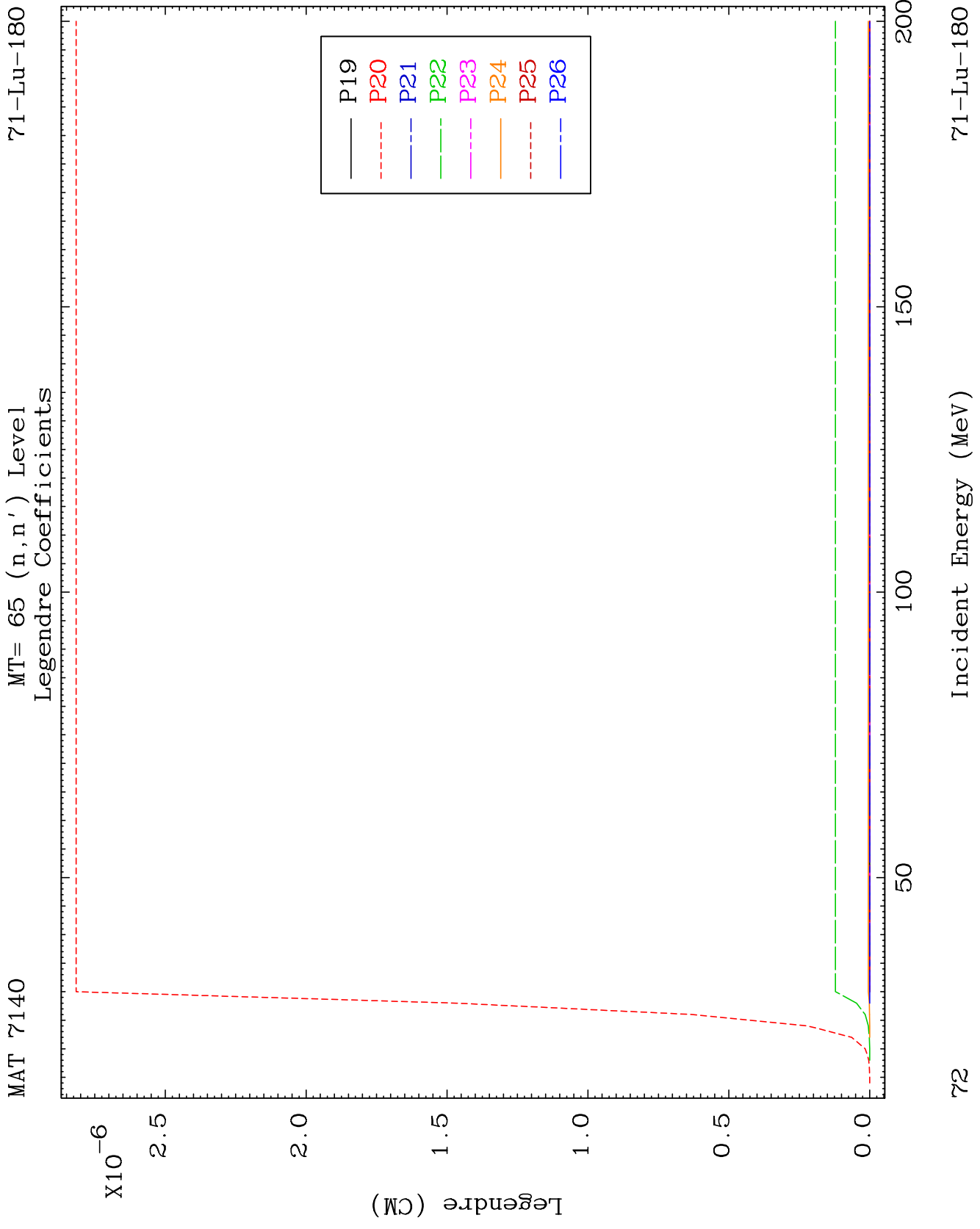
71-Lu-180

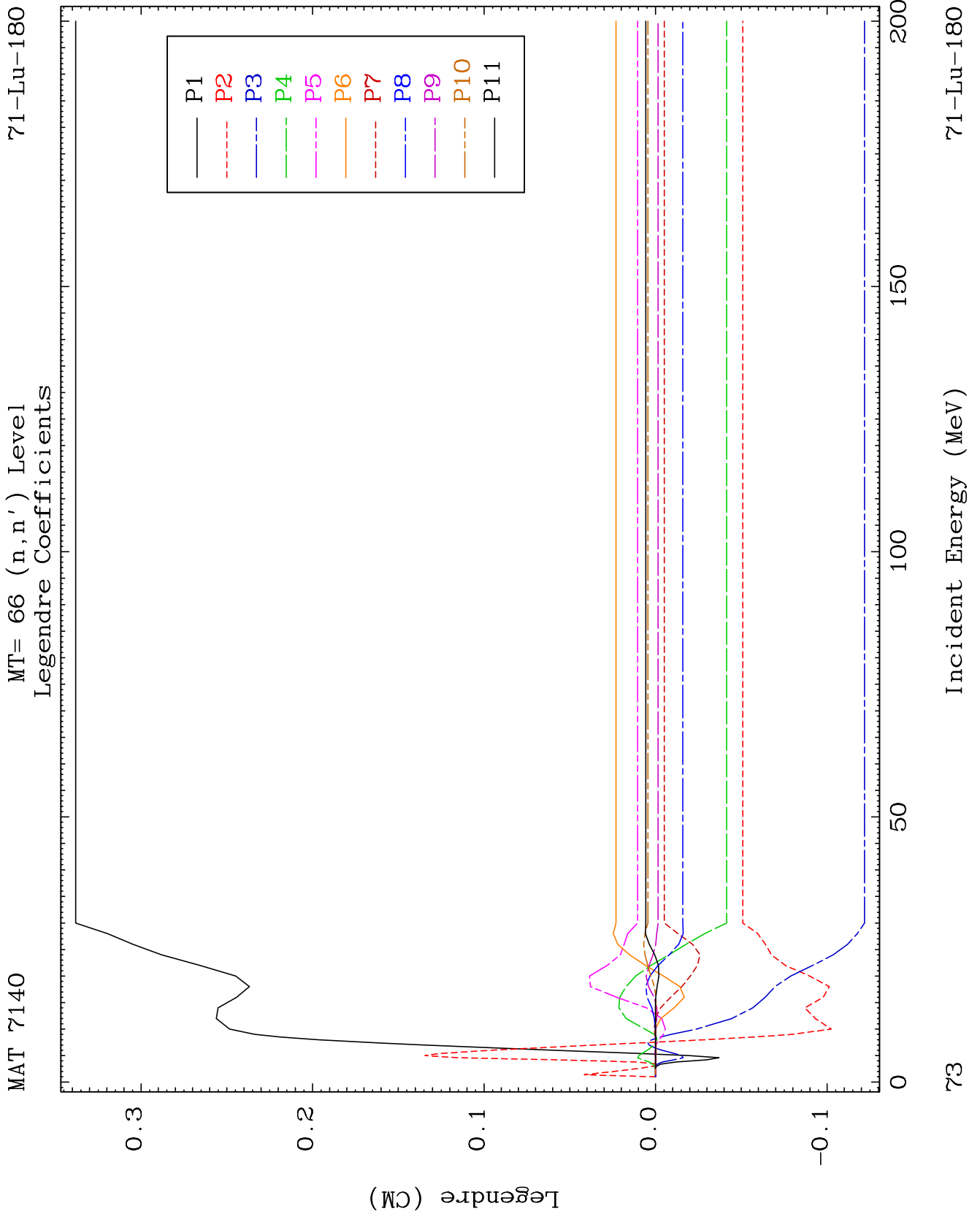


71

Incident Energy (MeV)

71-Lu-180

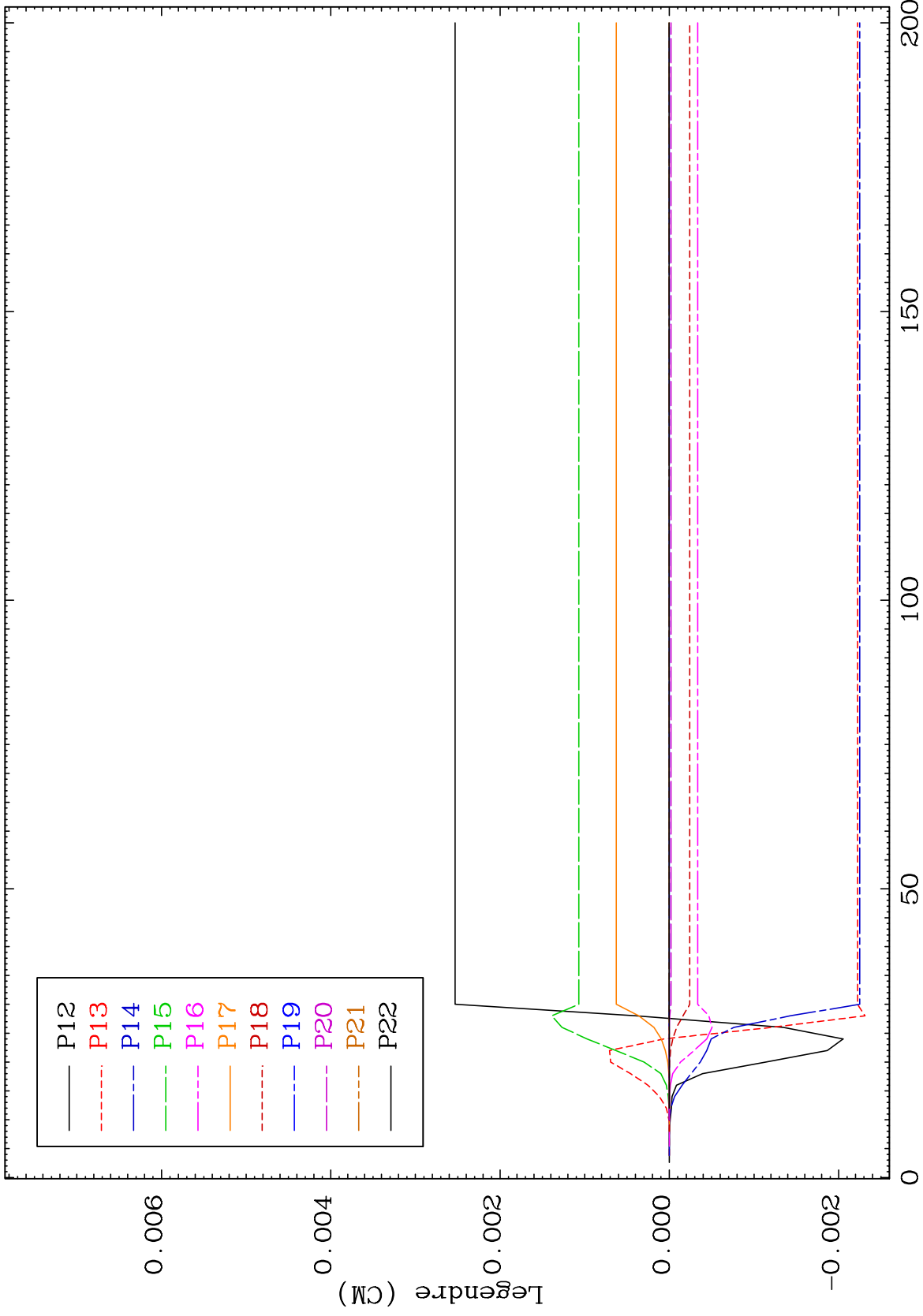




MAT 7140

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

71-Lu-180



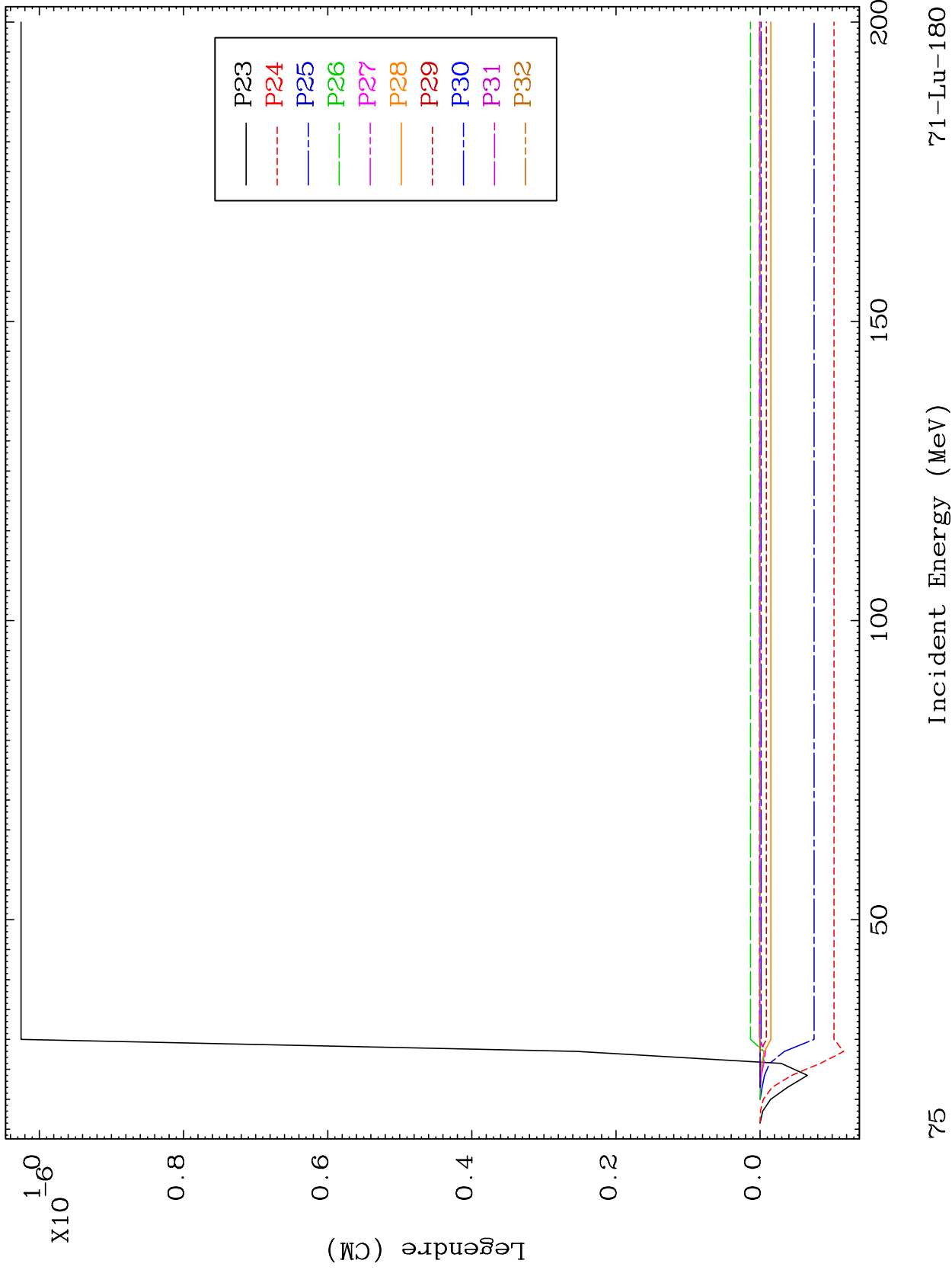
74

71-Lu-180

MAT 7140

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

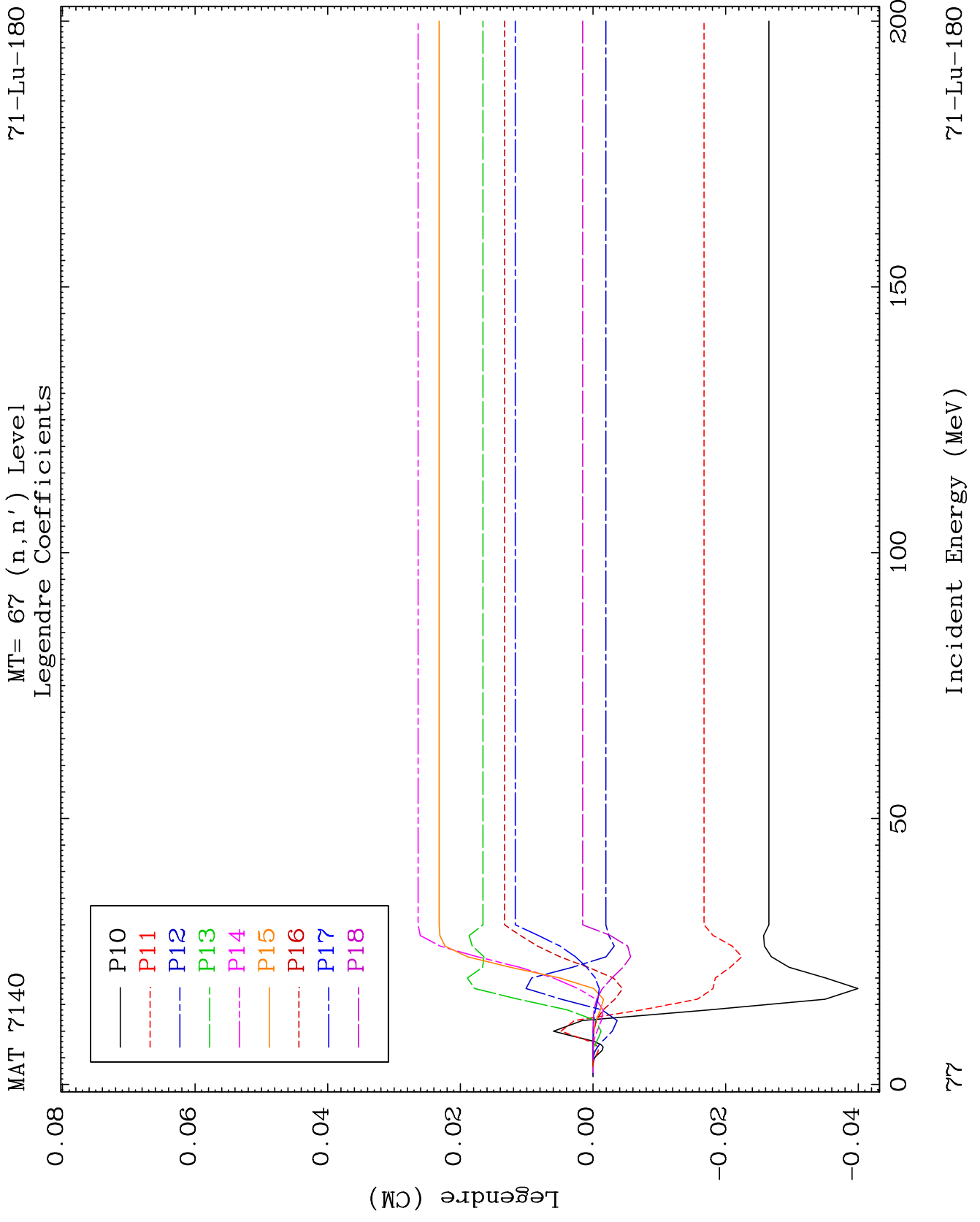
71-Lu-180

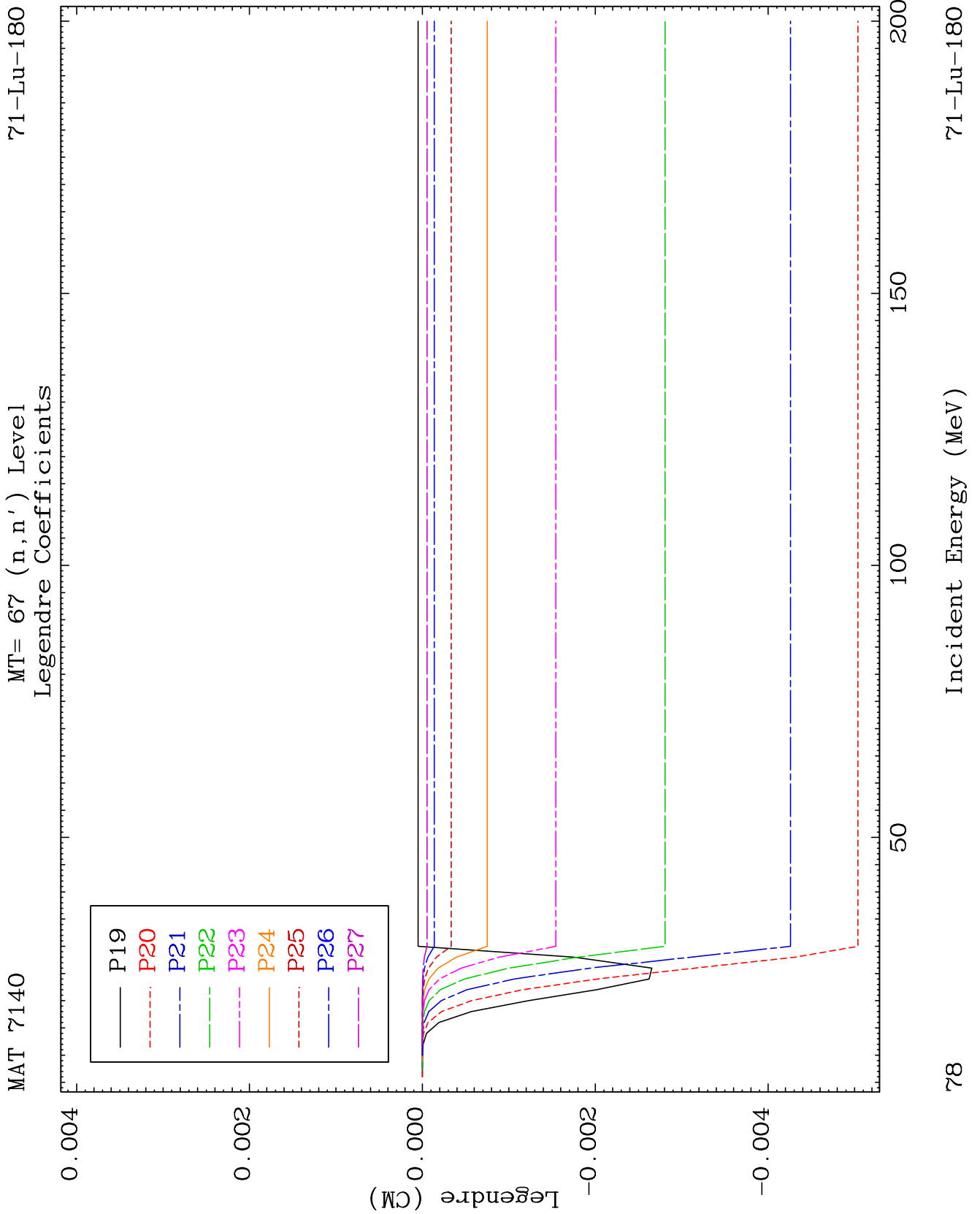


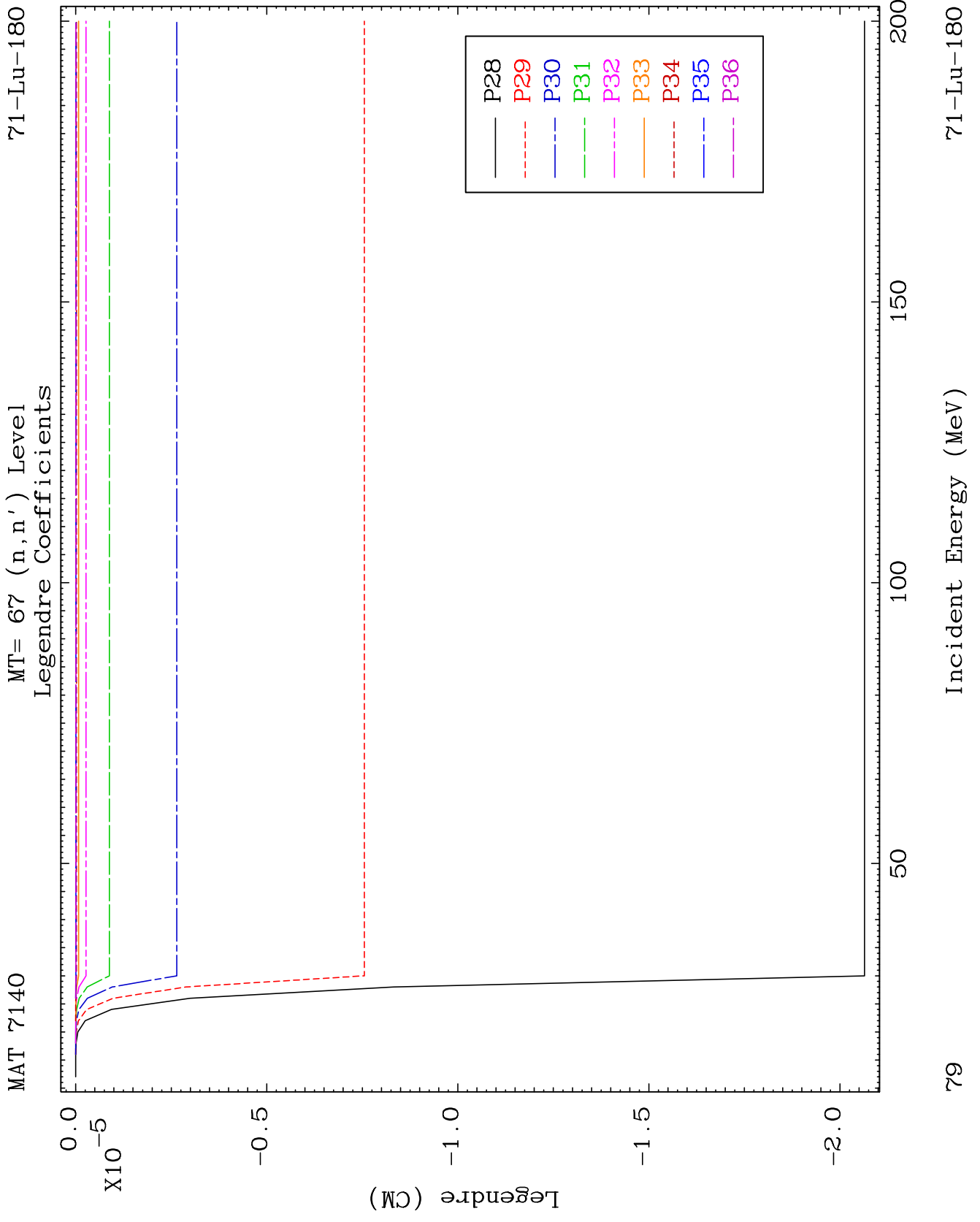
75

Incident Energy (MeV)

71-Lu-180



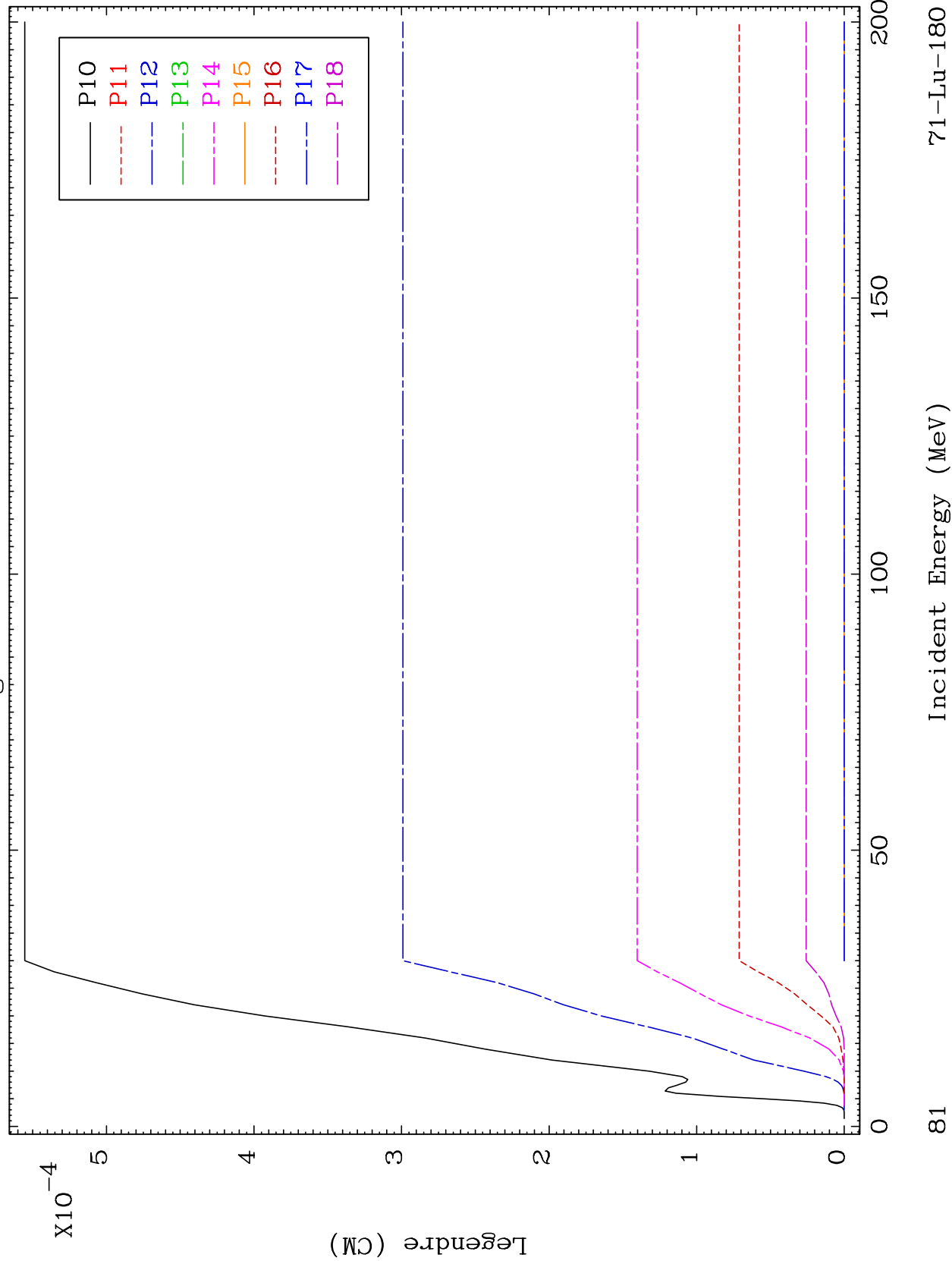




MAT 7140

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

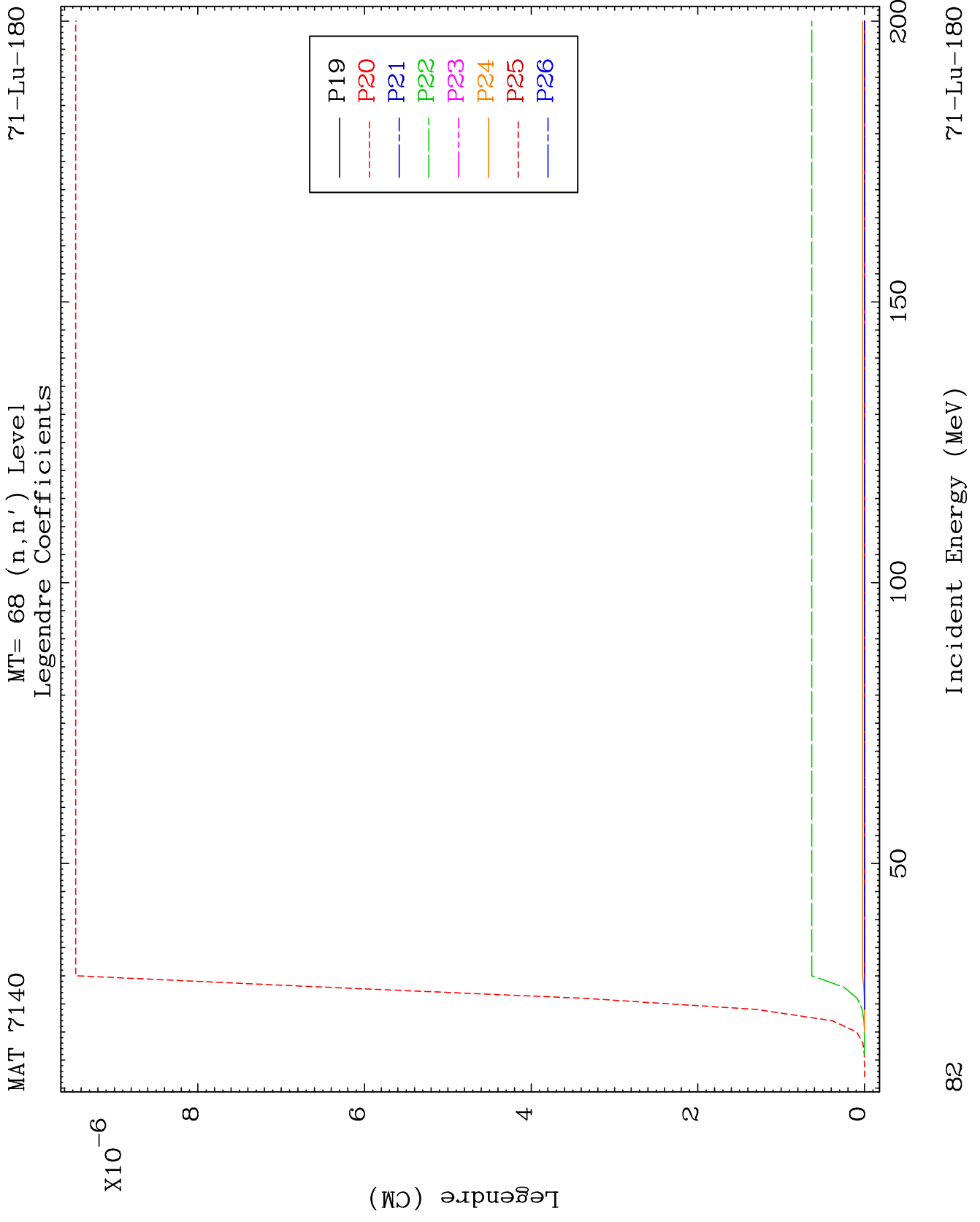
71-Lu-180

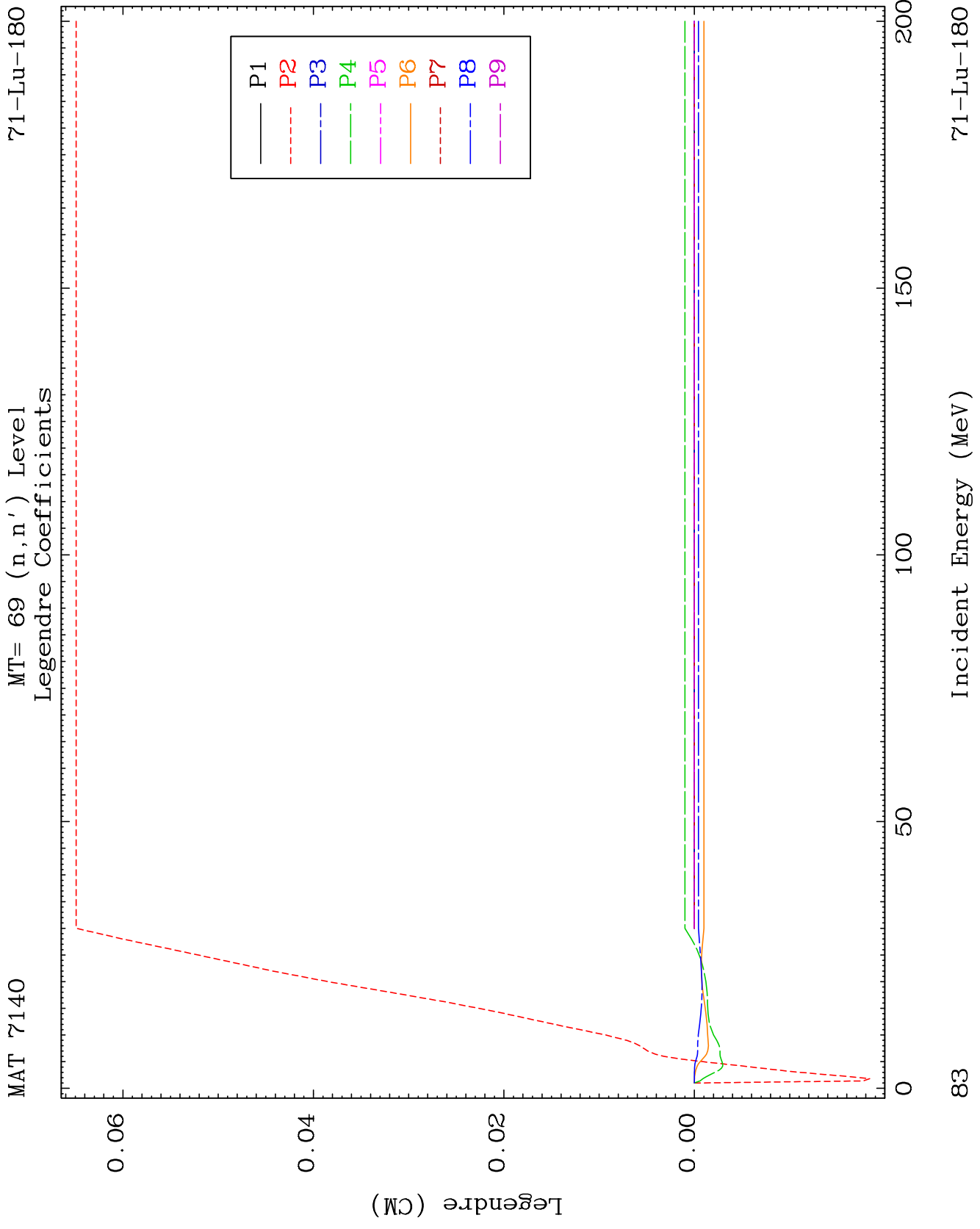


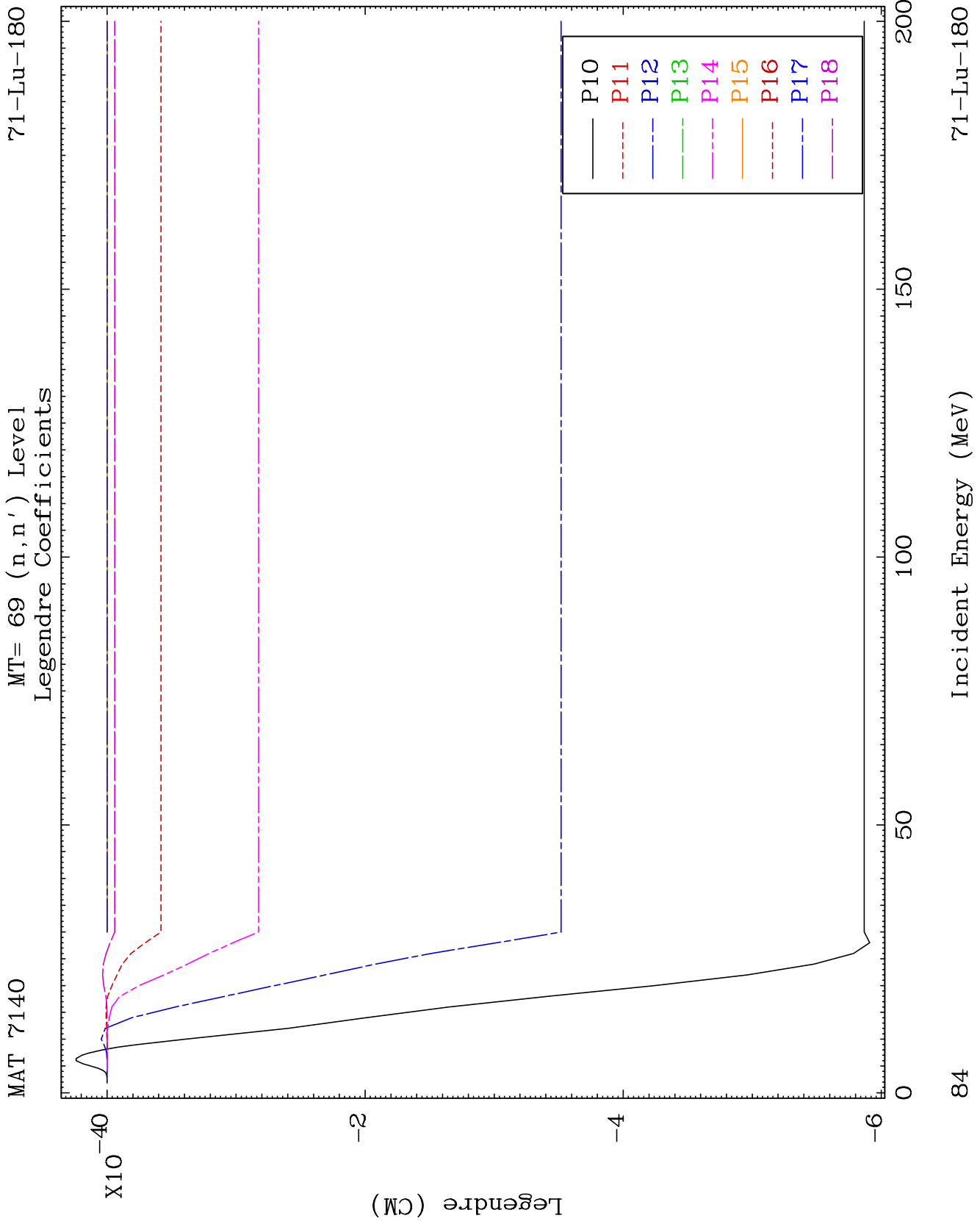
81

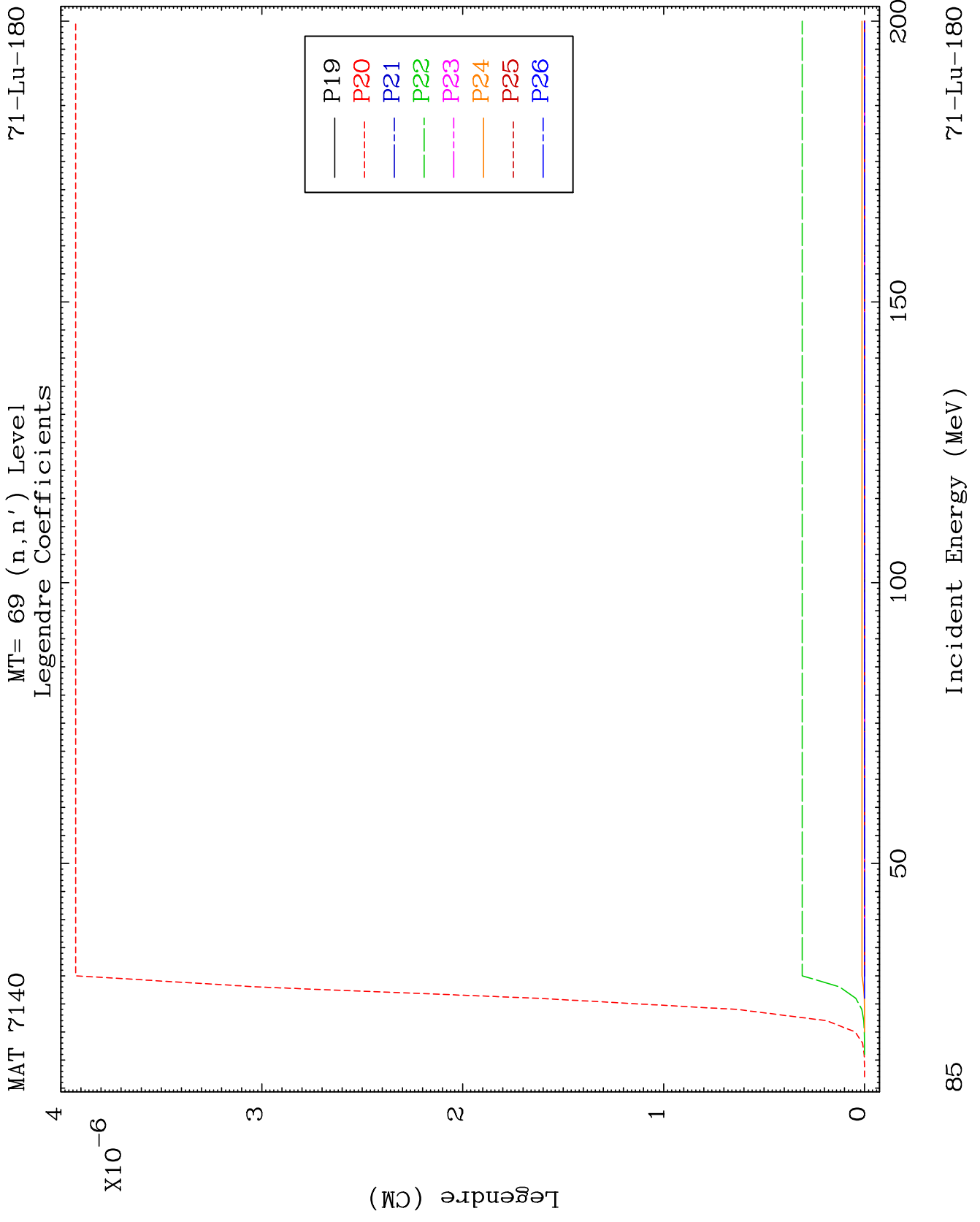
Incident Energy (MeV)

71-Lu-180





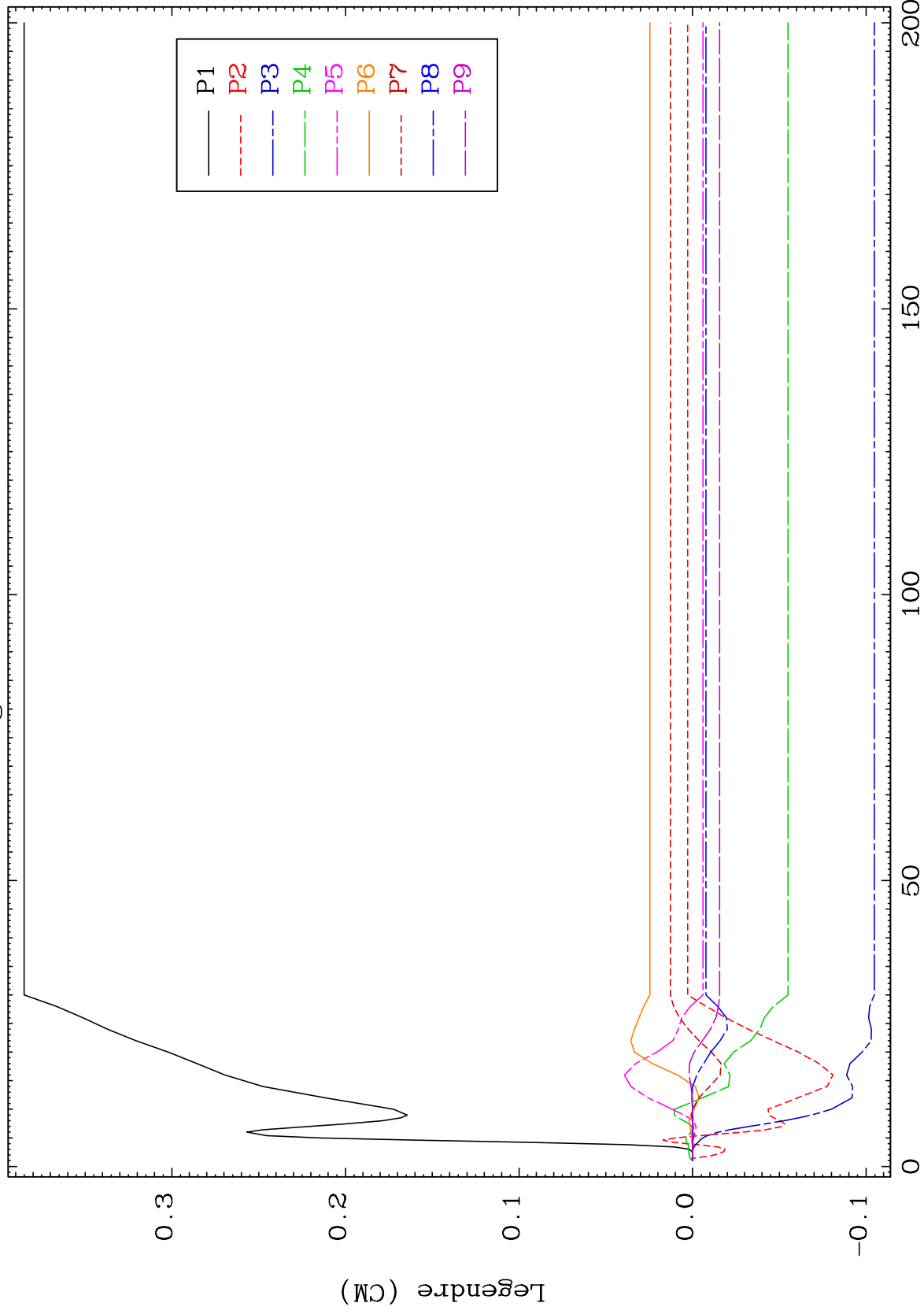




MAT 7140

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

71-Lu-180



86

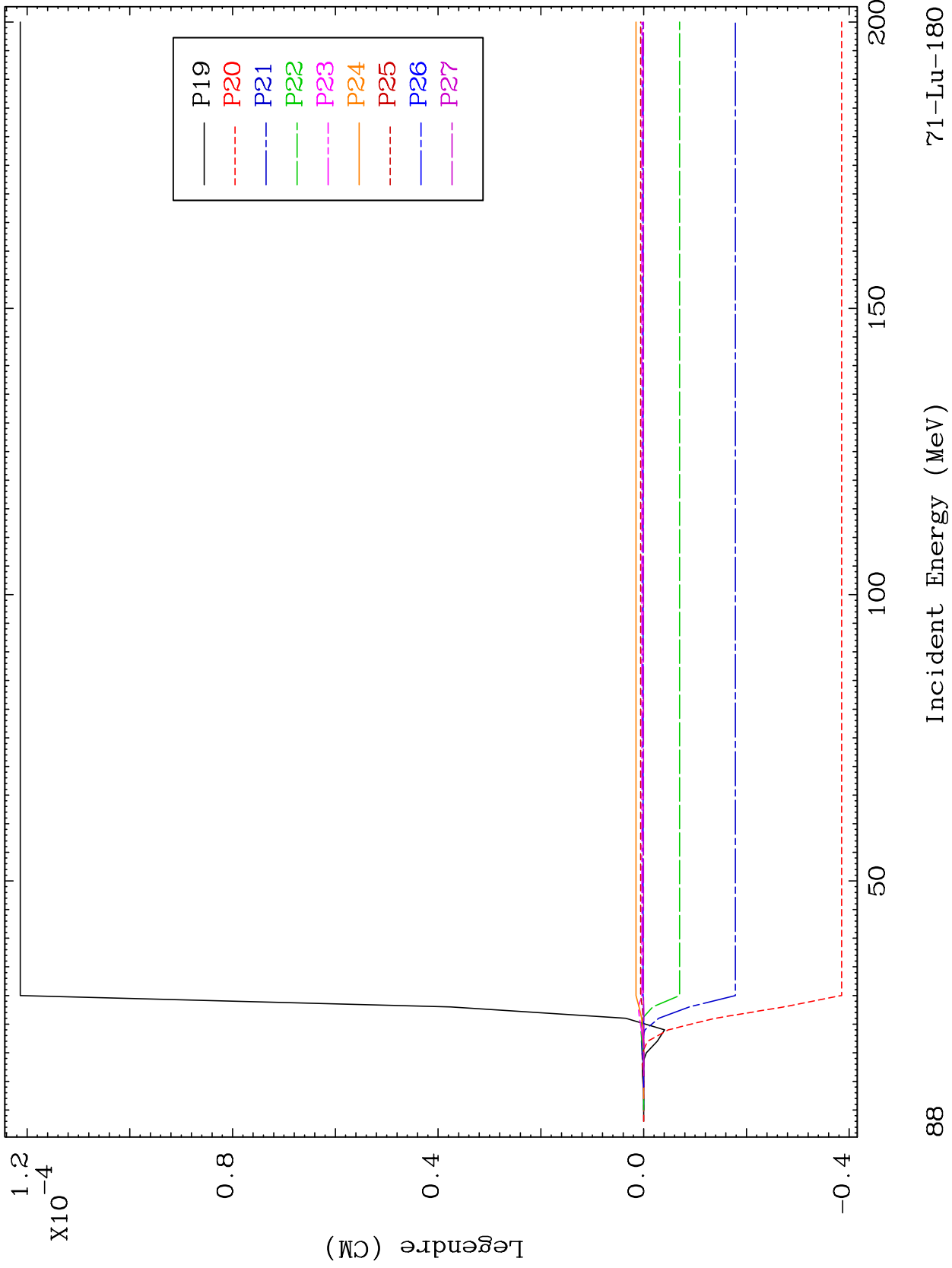
Incident Energy (MeV)

71-Lu-180

MAT 7140

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

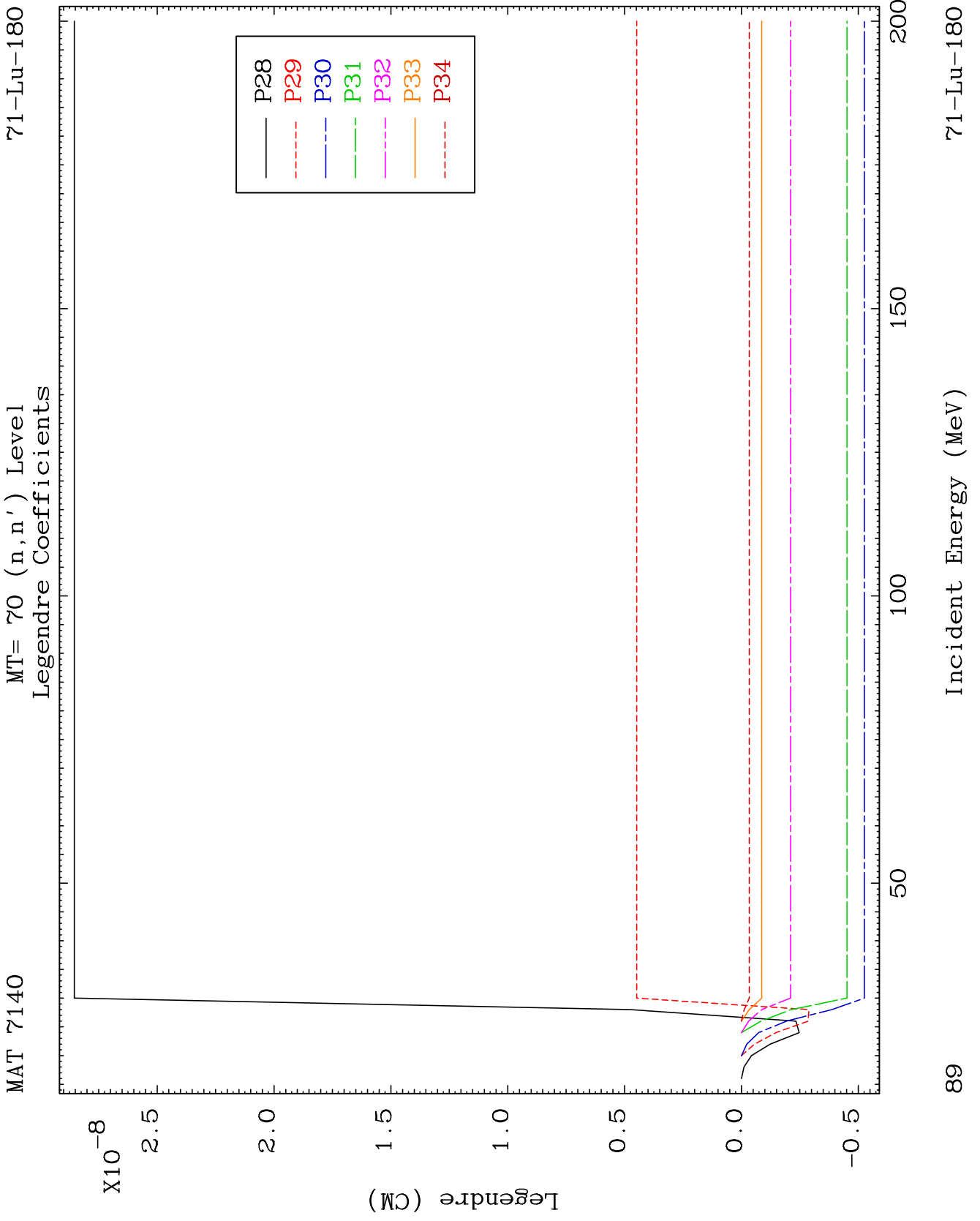
71-Lu-180

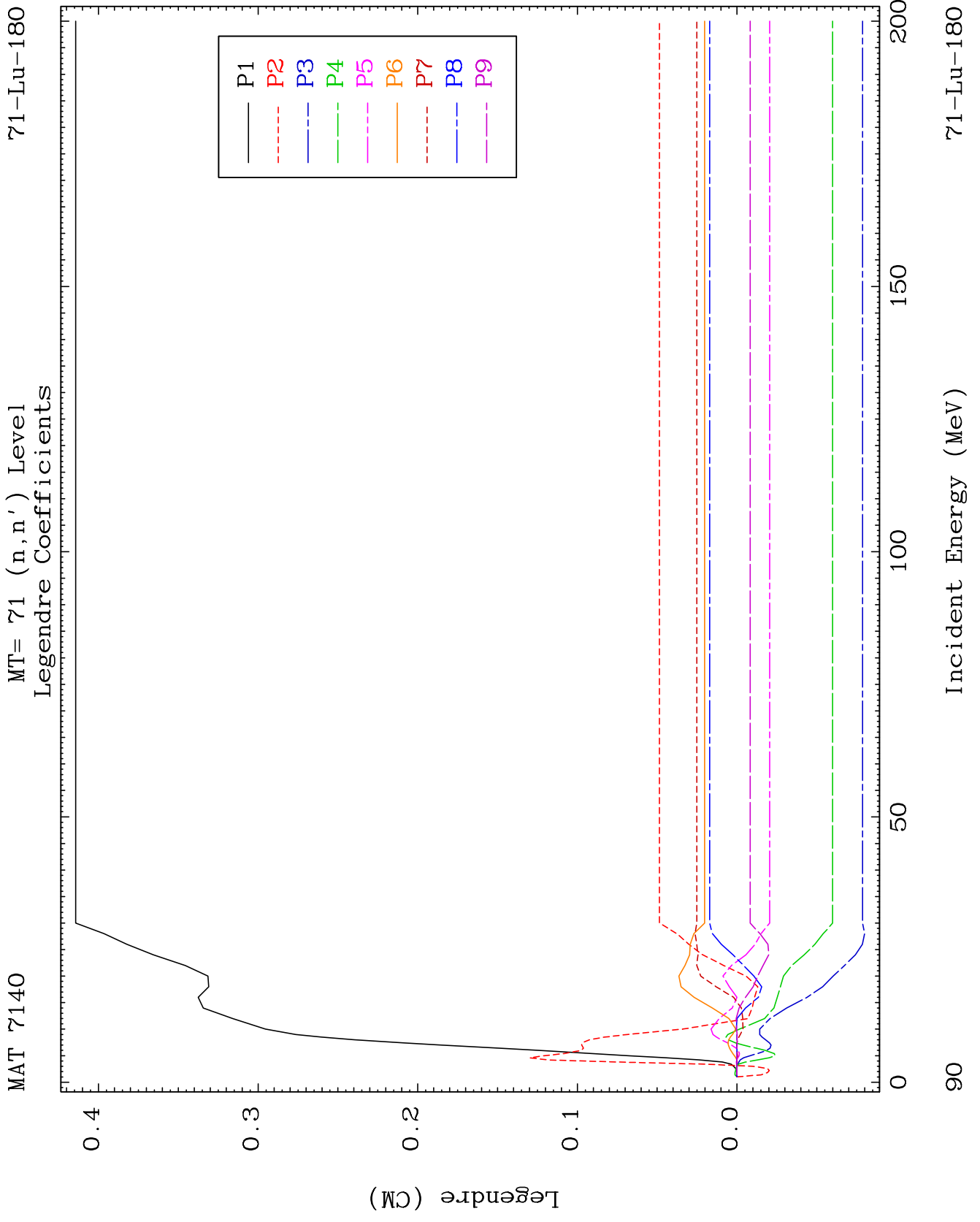


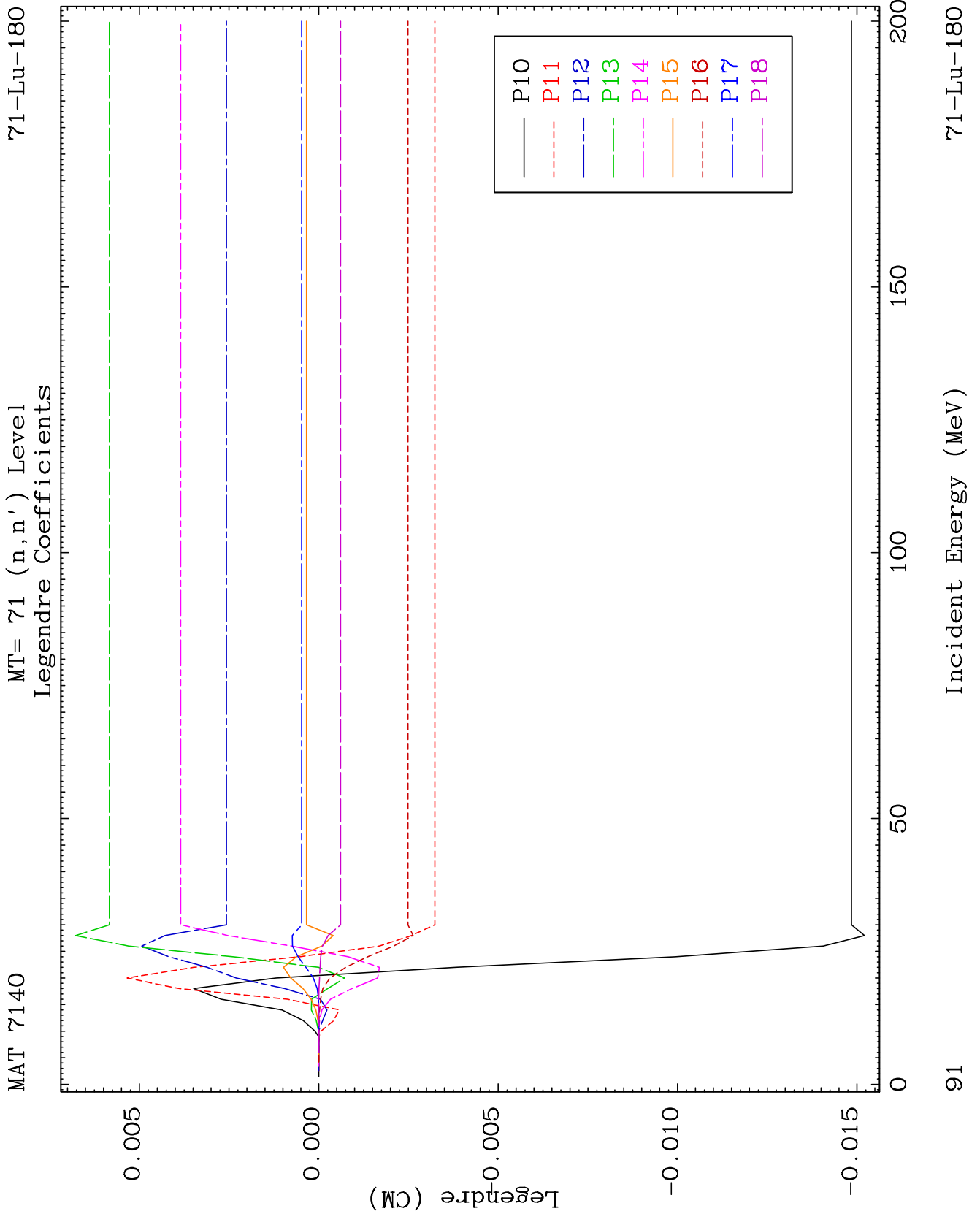
88

Incident Energy (MeV)

71-Lu-180



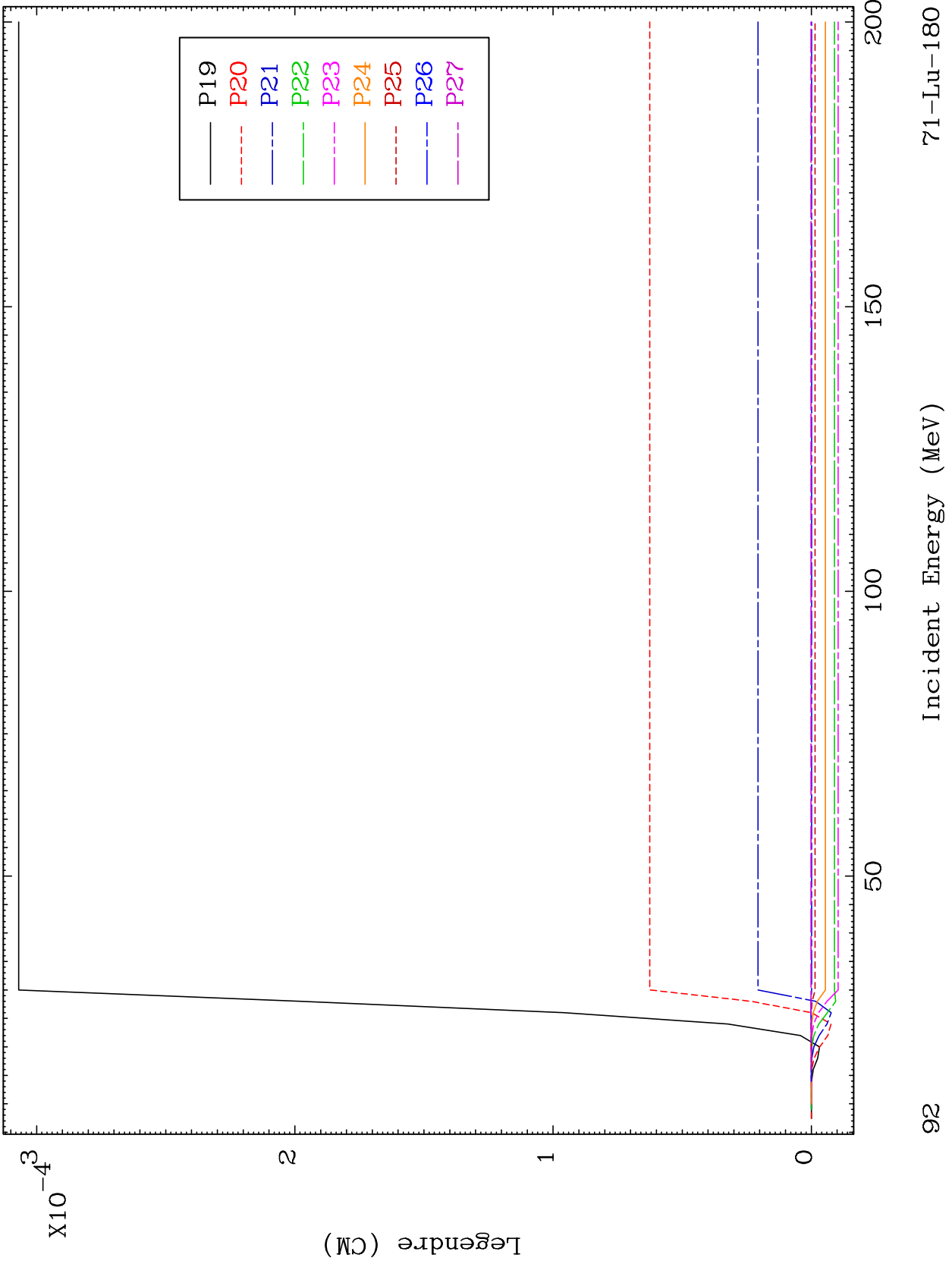


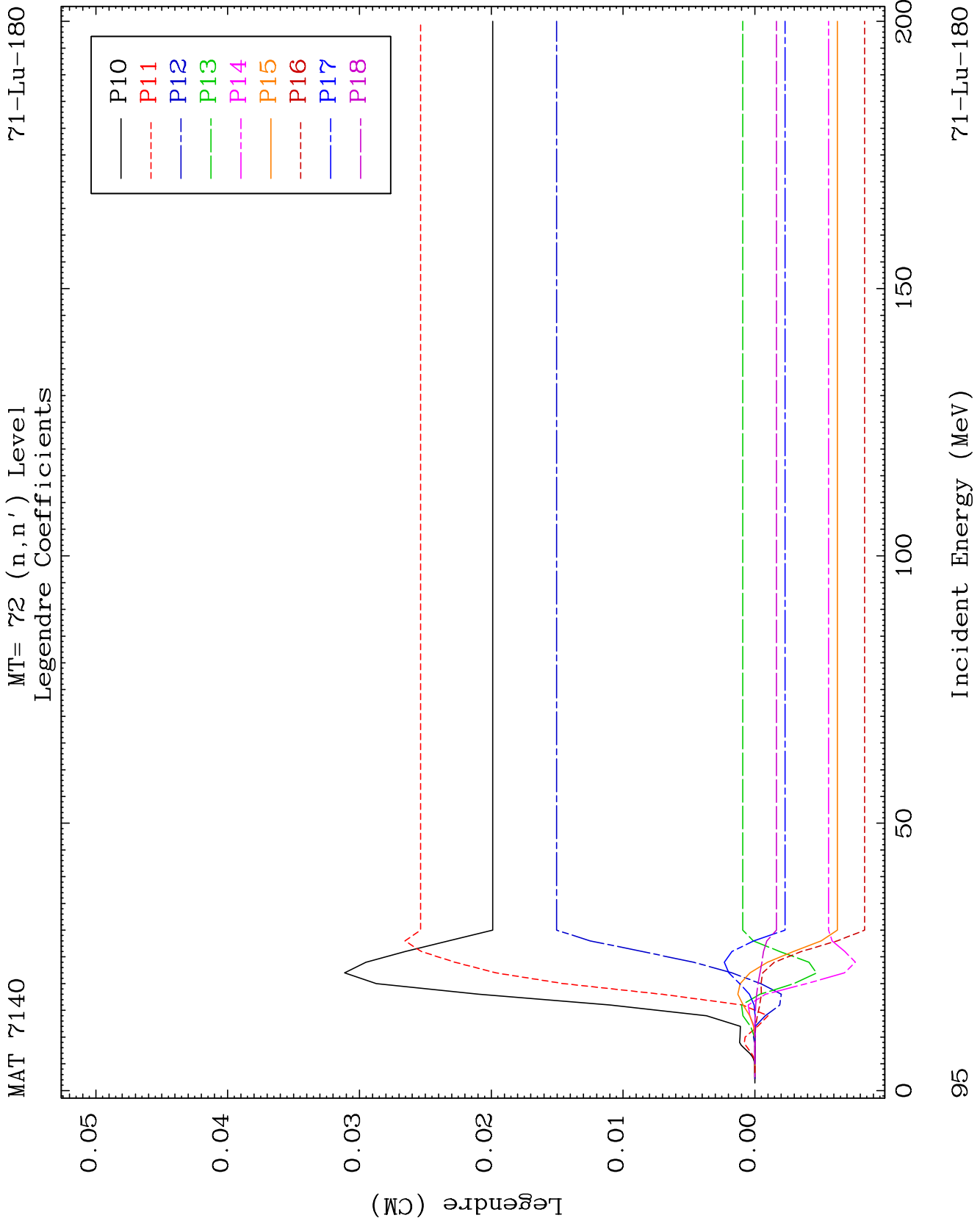


MAT 7140

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

71-Lu-180

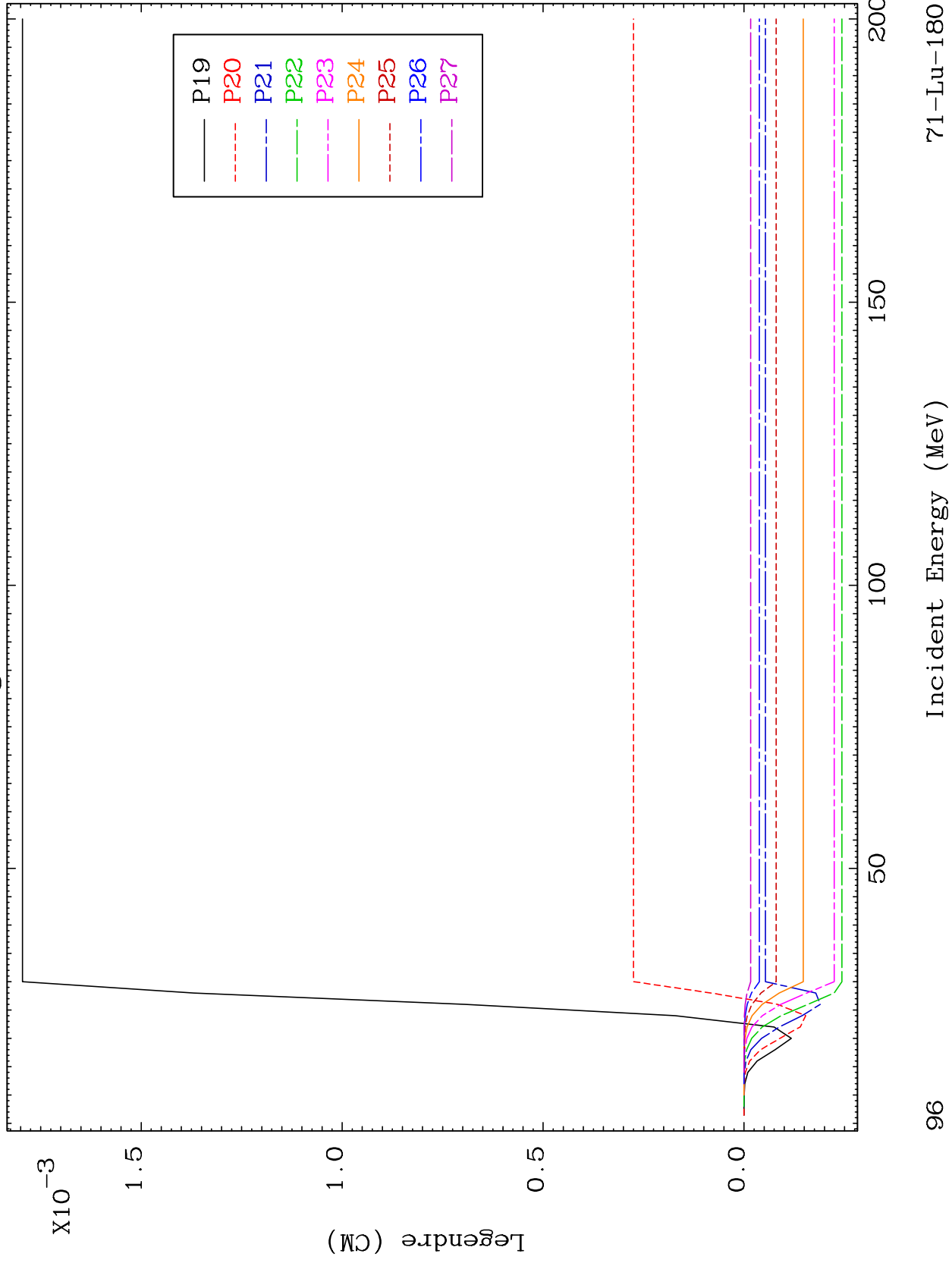




MAT 7140

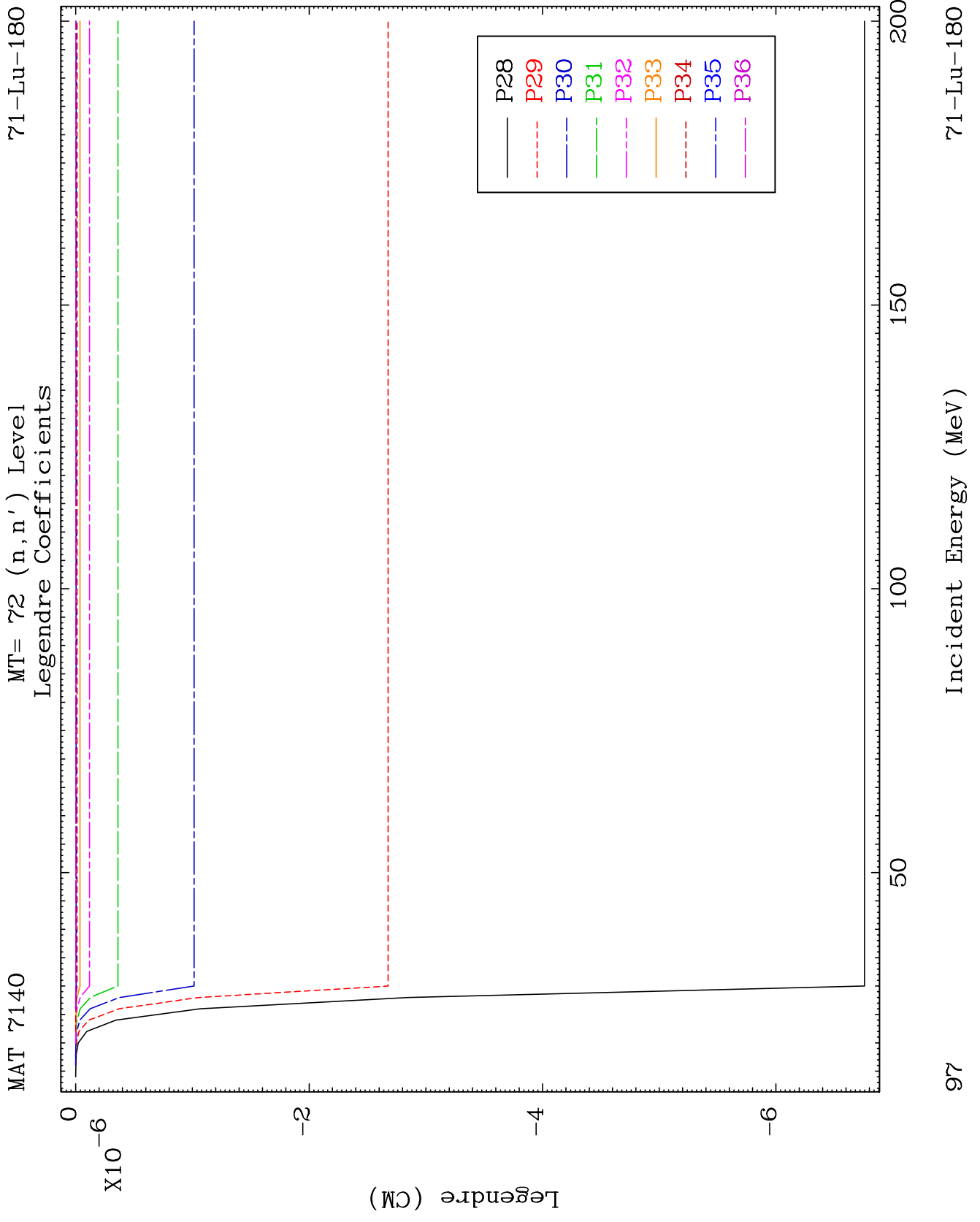
MT= 72 (n,n') Level
Legendre Coefficients

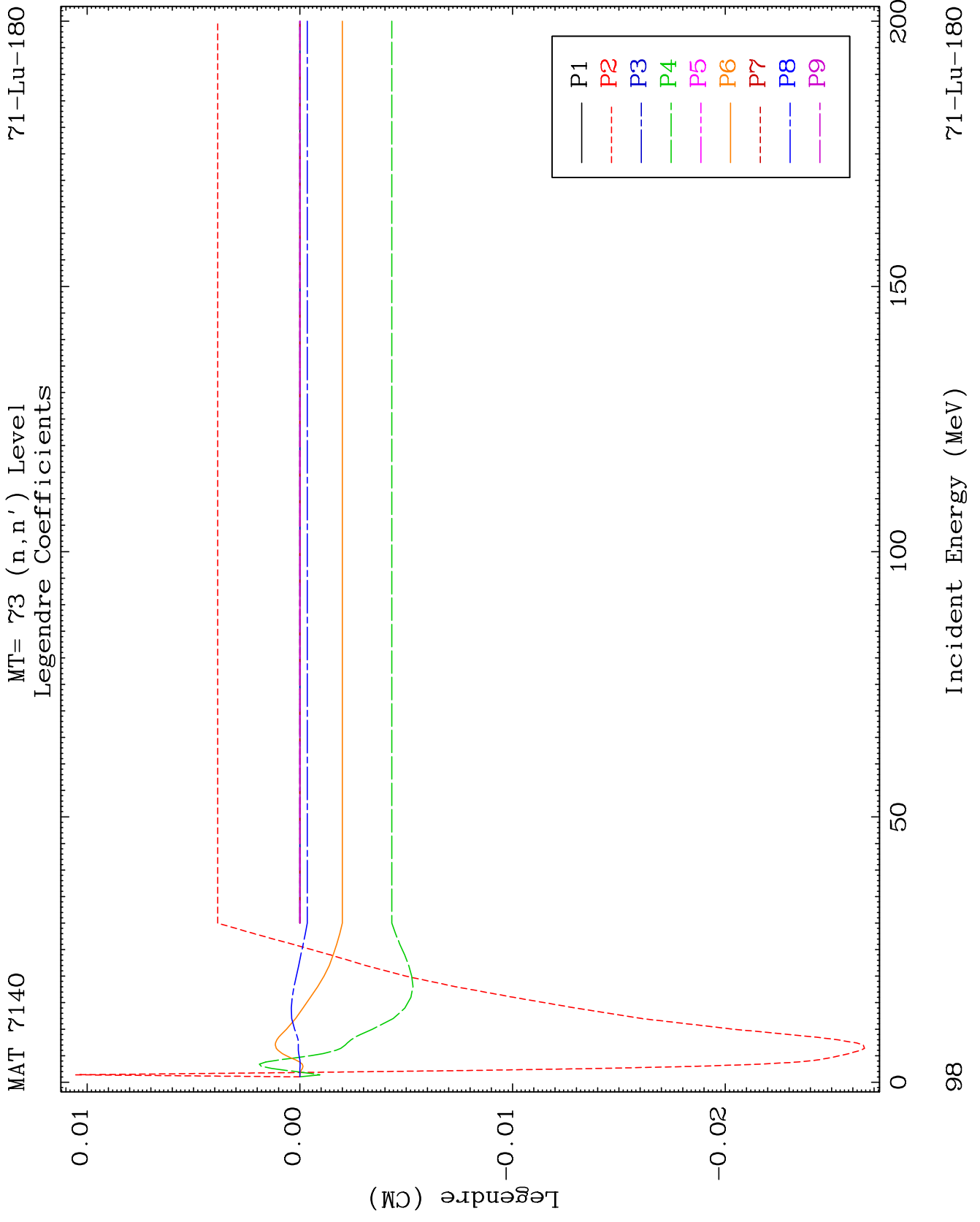
71-Lu-180

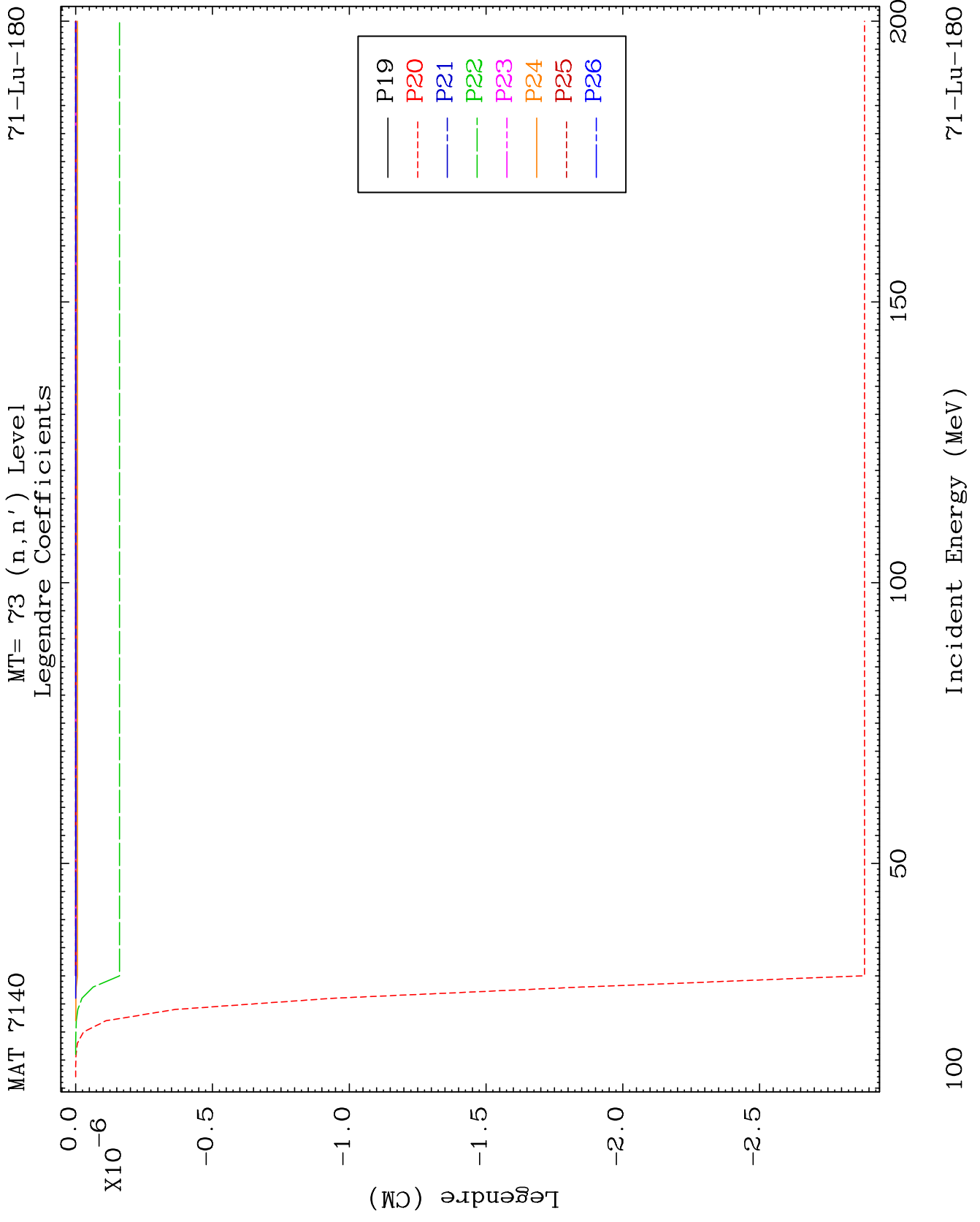


96

71-Lu-180



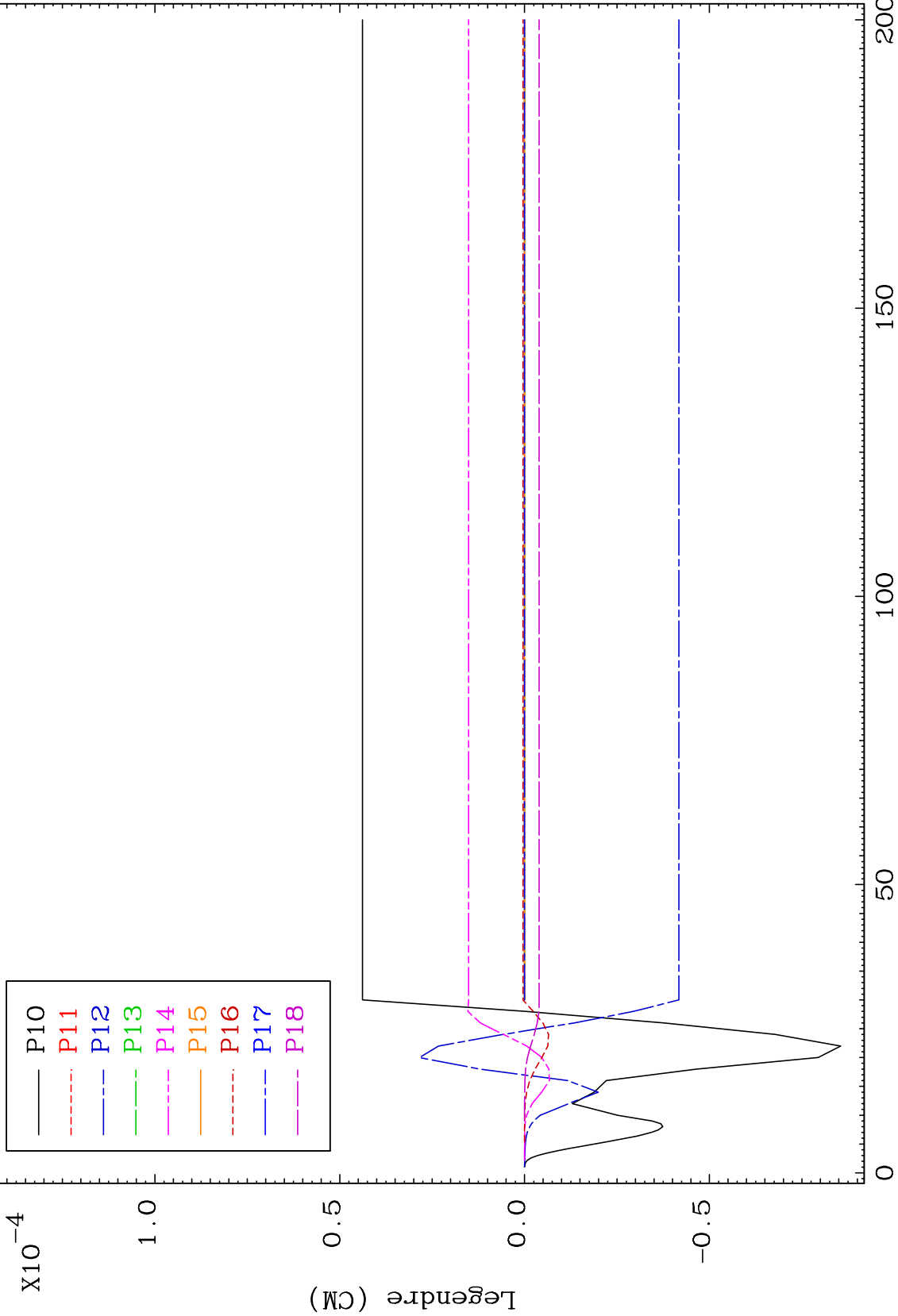
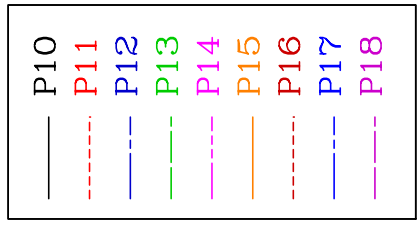




MAT 7140

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

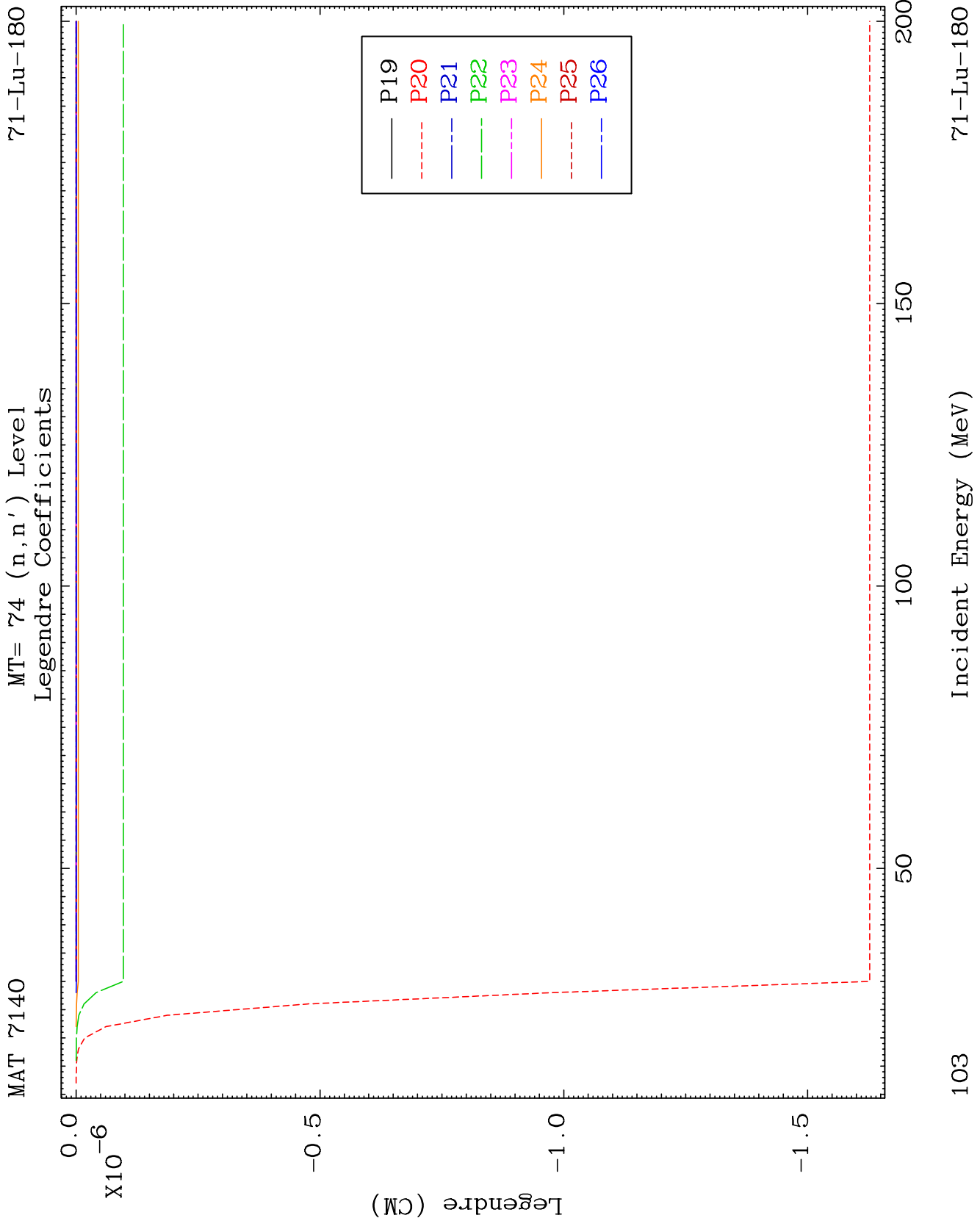
71-Lu-180

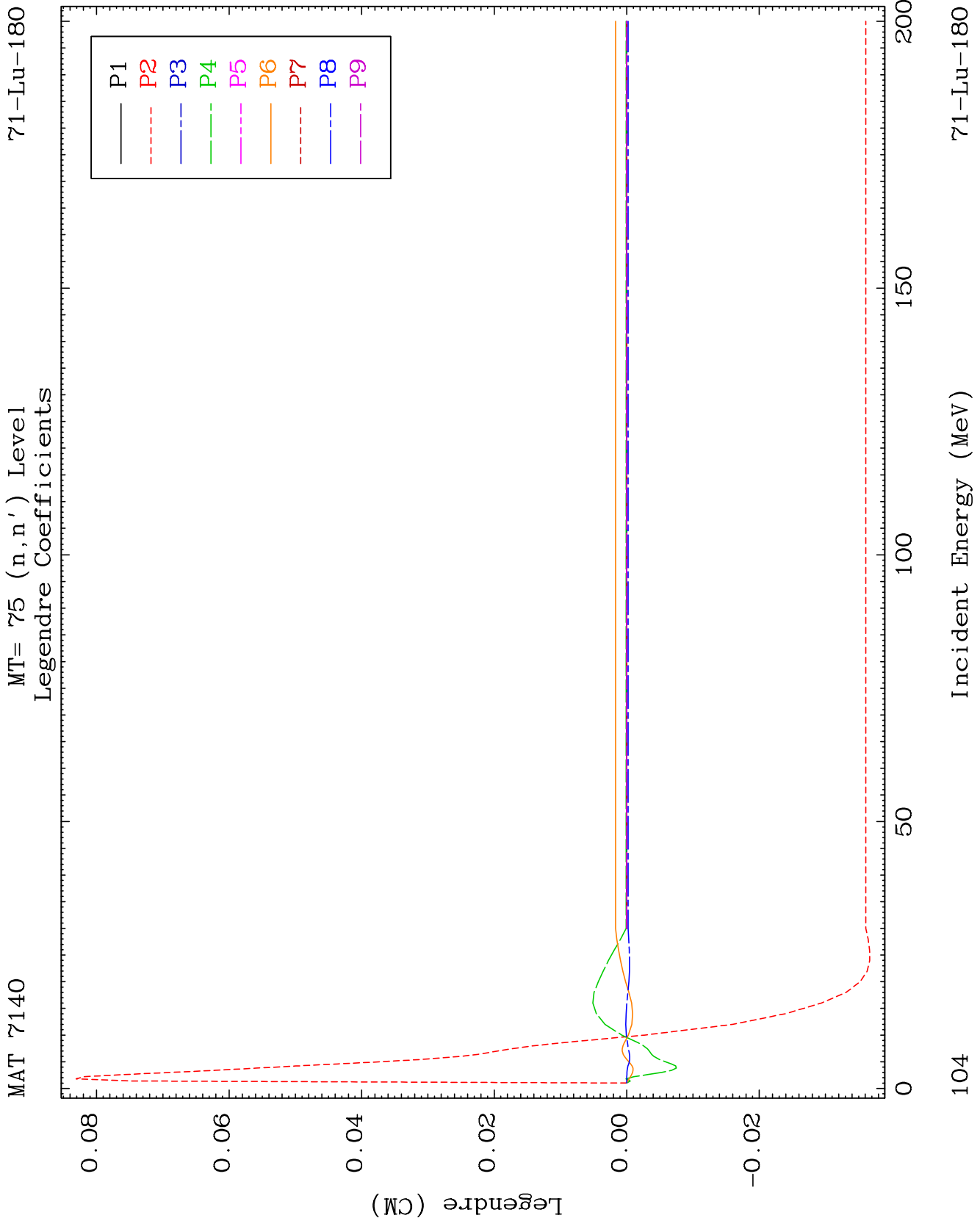


102

Incident Energy (MeV)

71-Lu-180

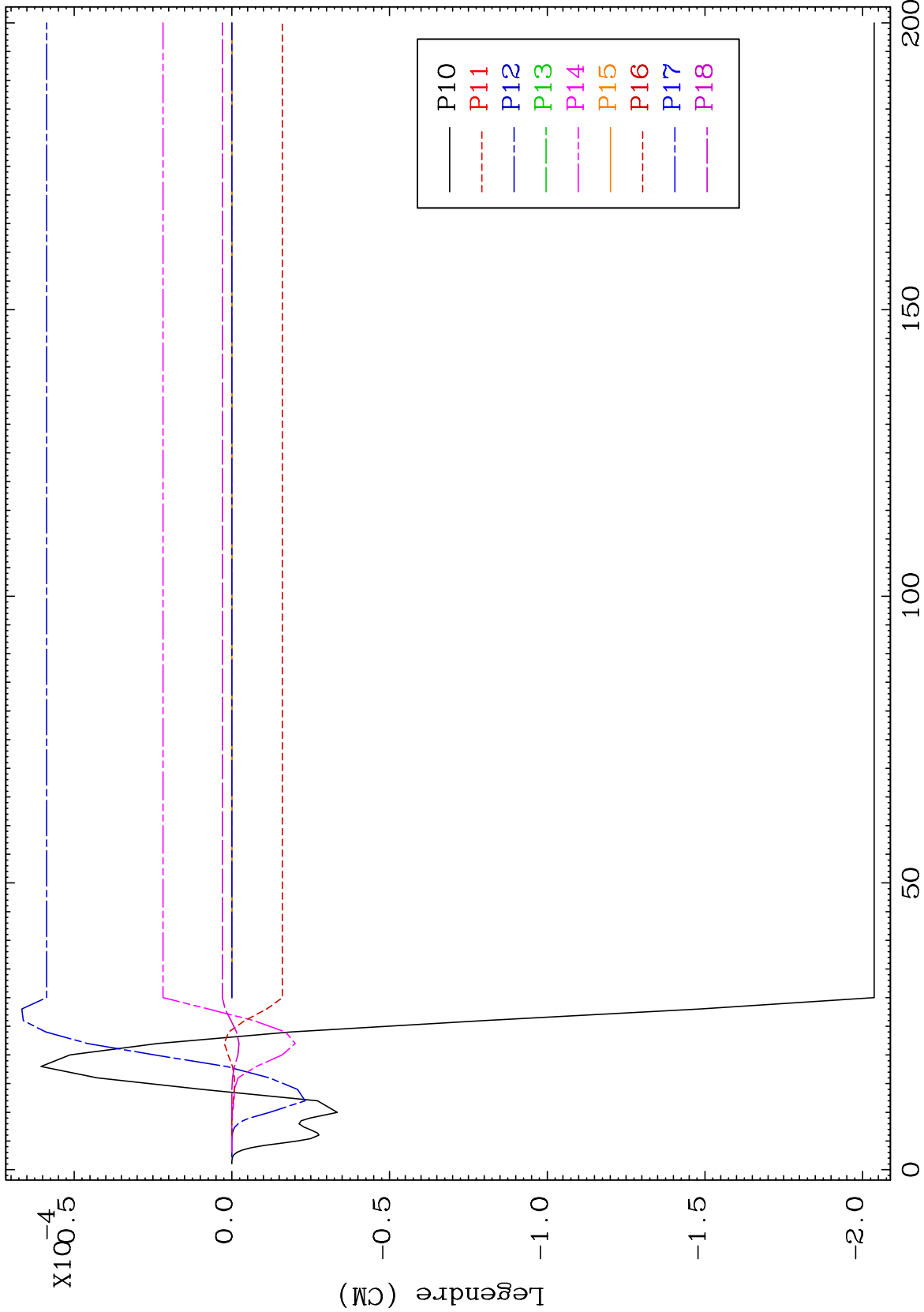




MAT 7140

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

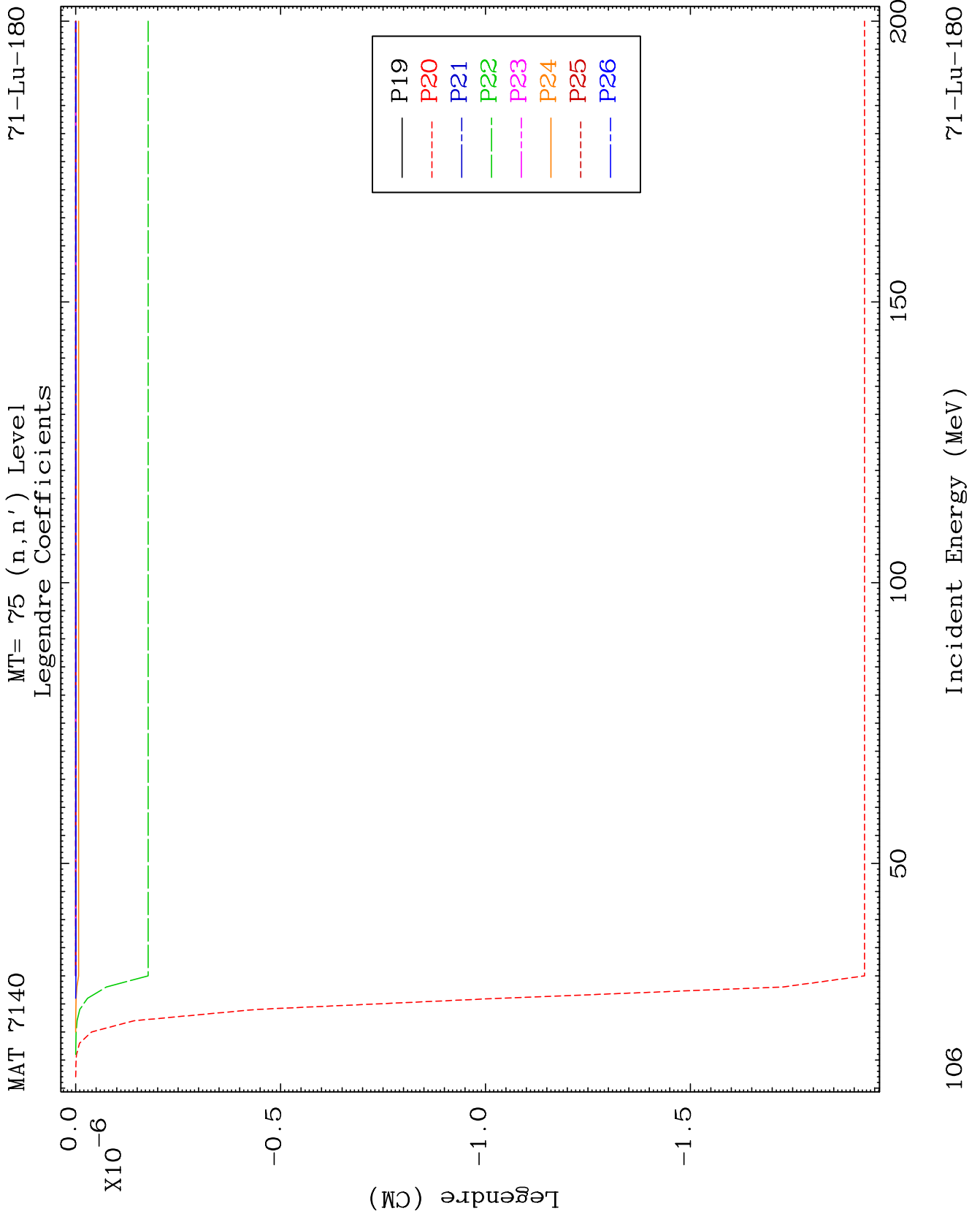
71-Lu-180

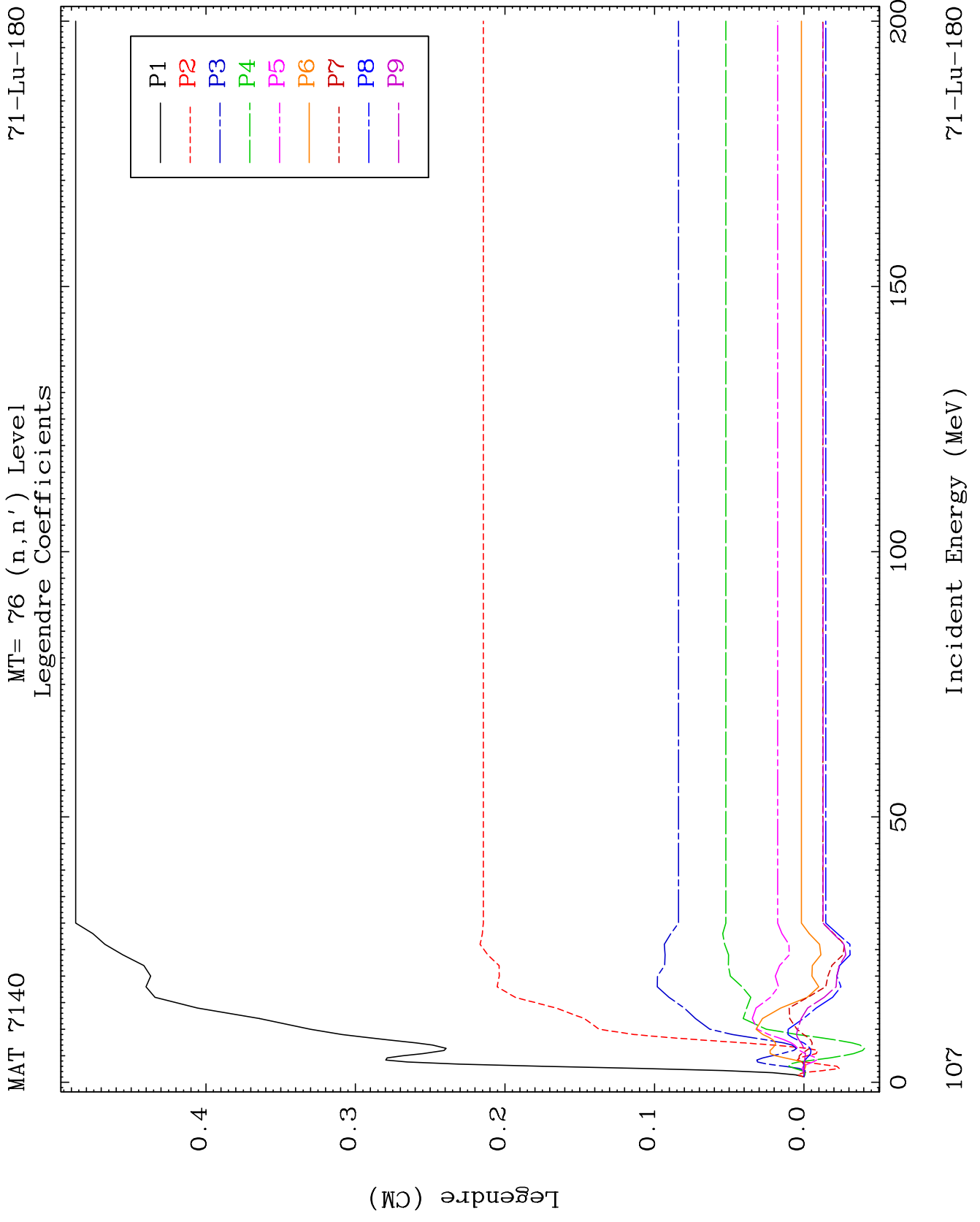


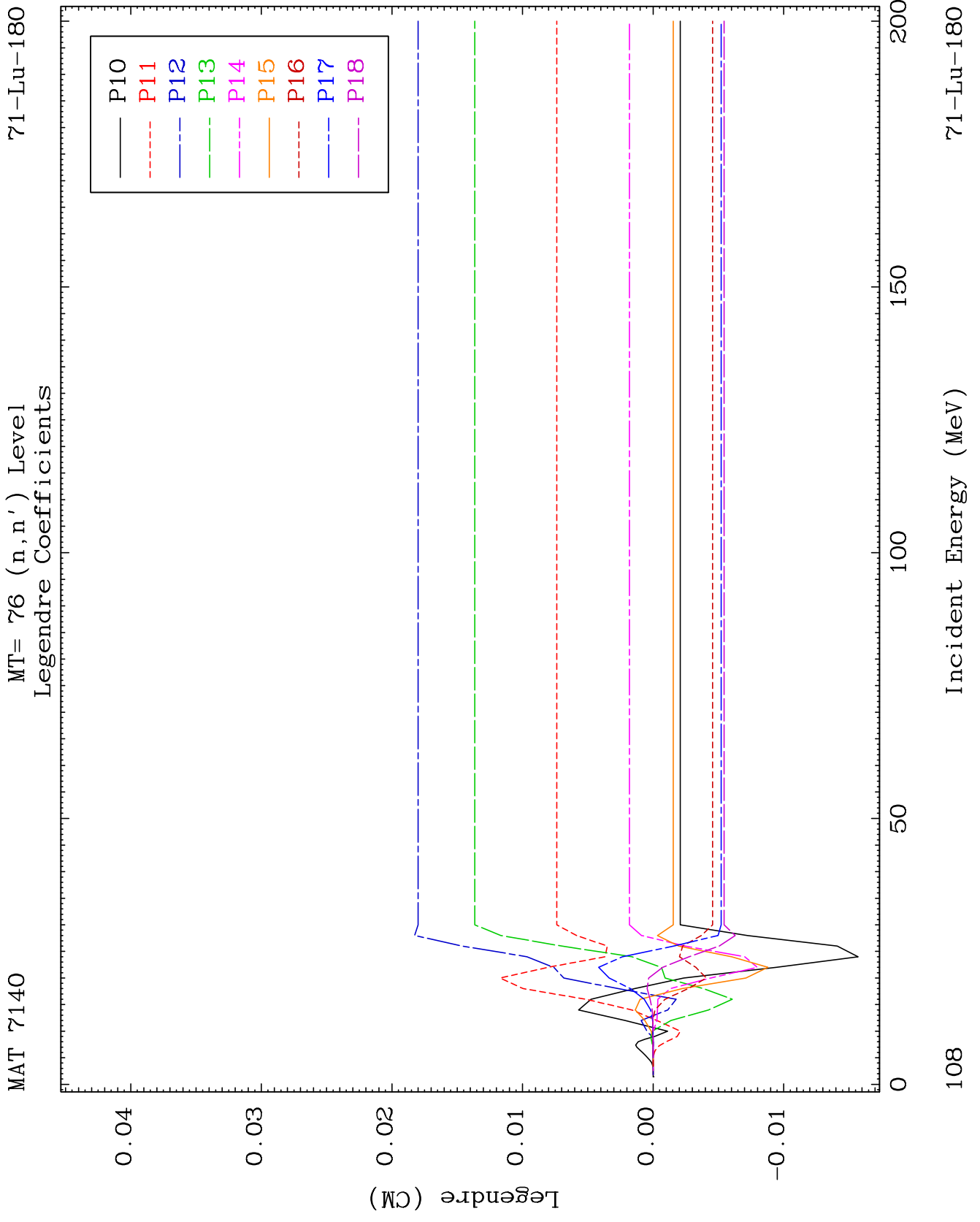
105

Incident Energy (MeV)

71-Lu-180



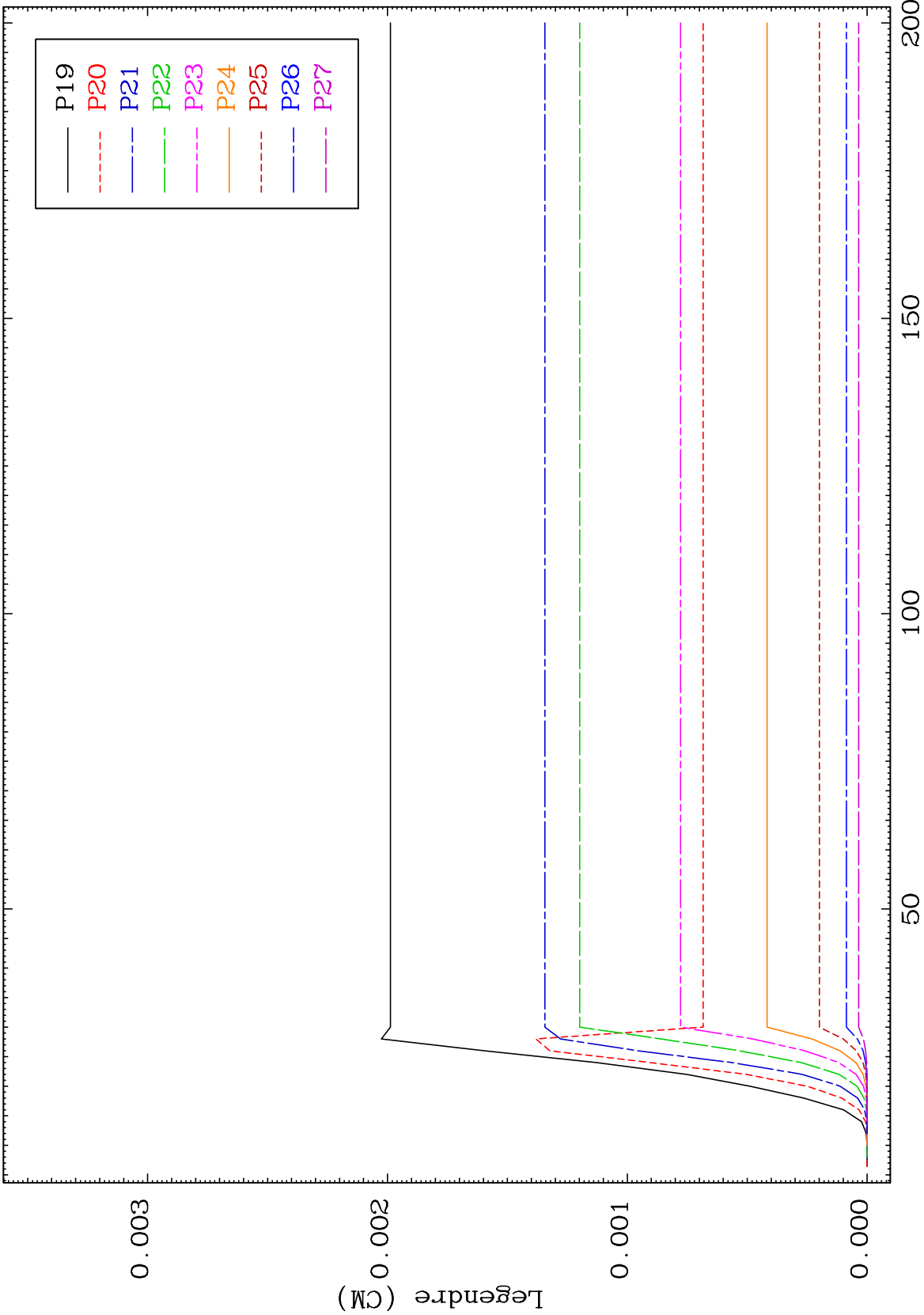




MAT 7140

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

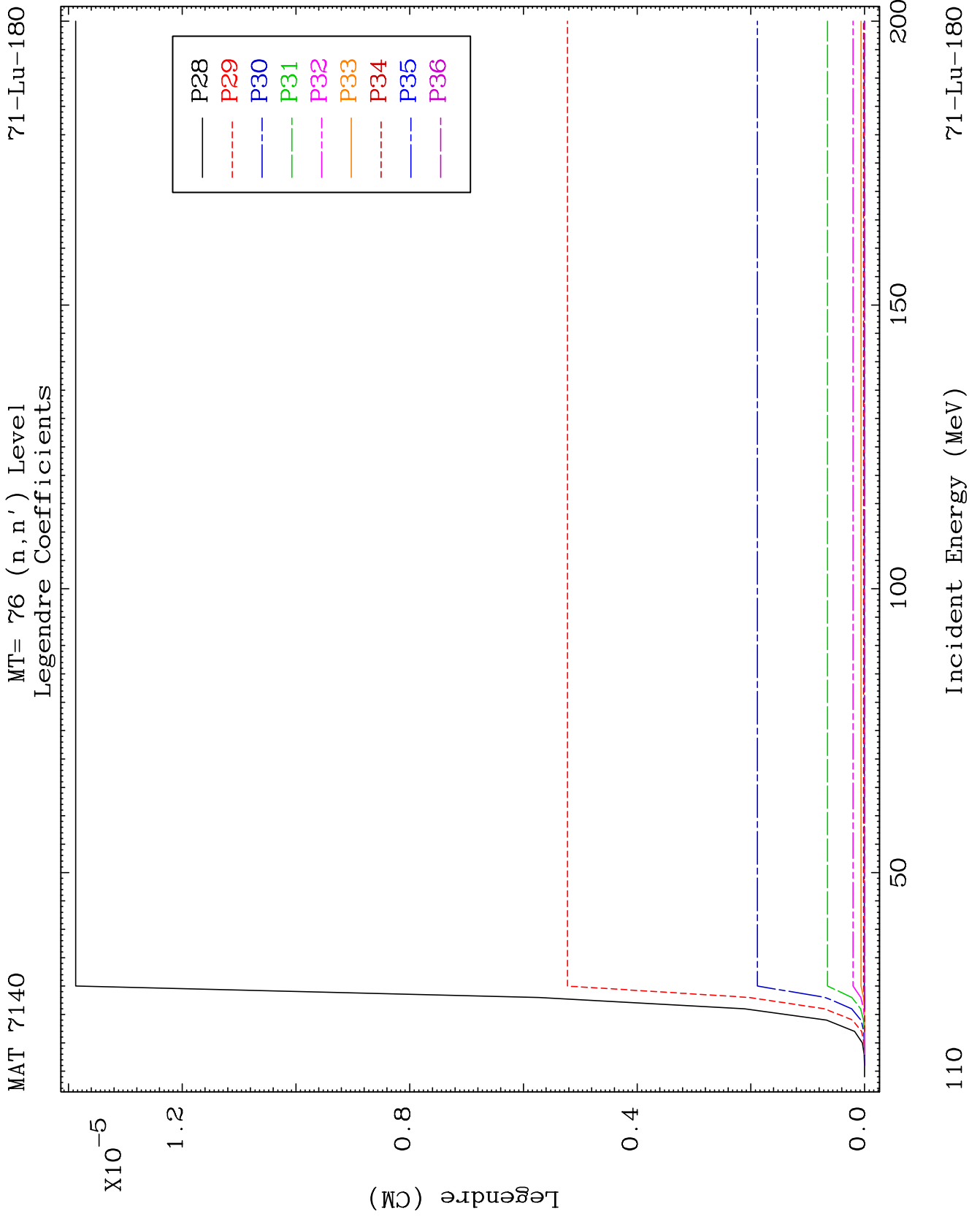
71-Lu-180

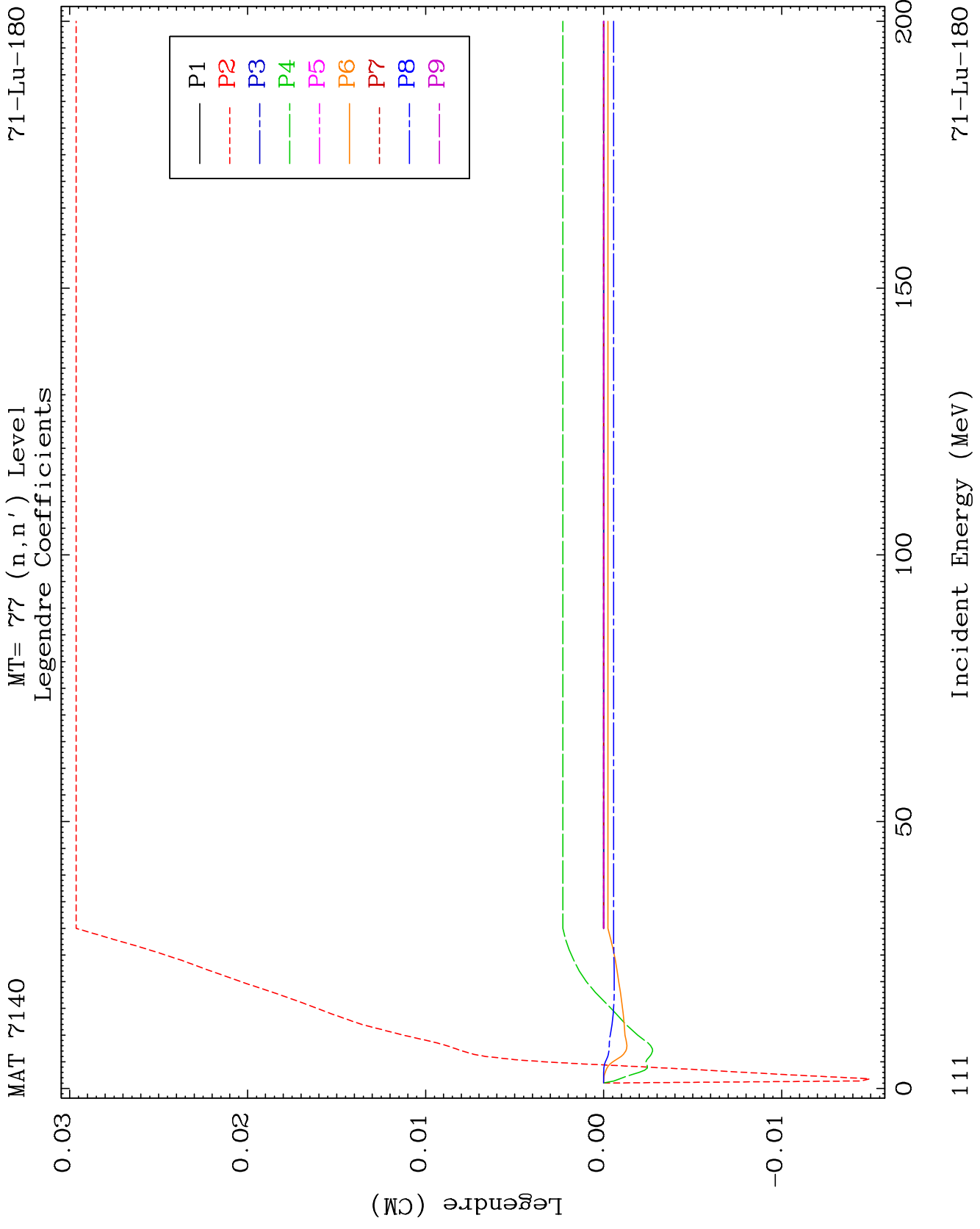


109

Incident Energy (MeV)

71-Lu-180

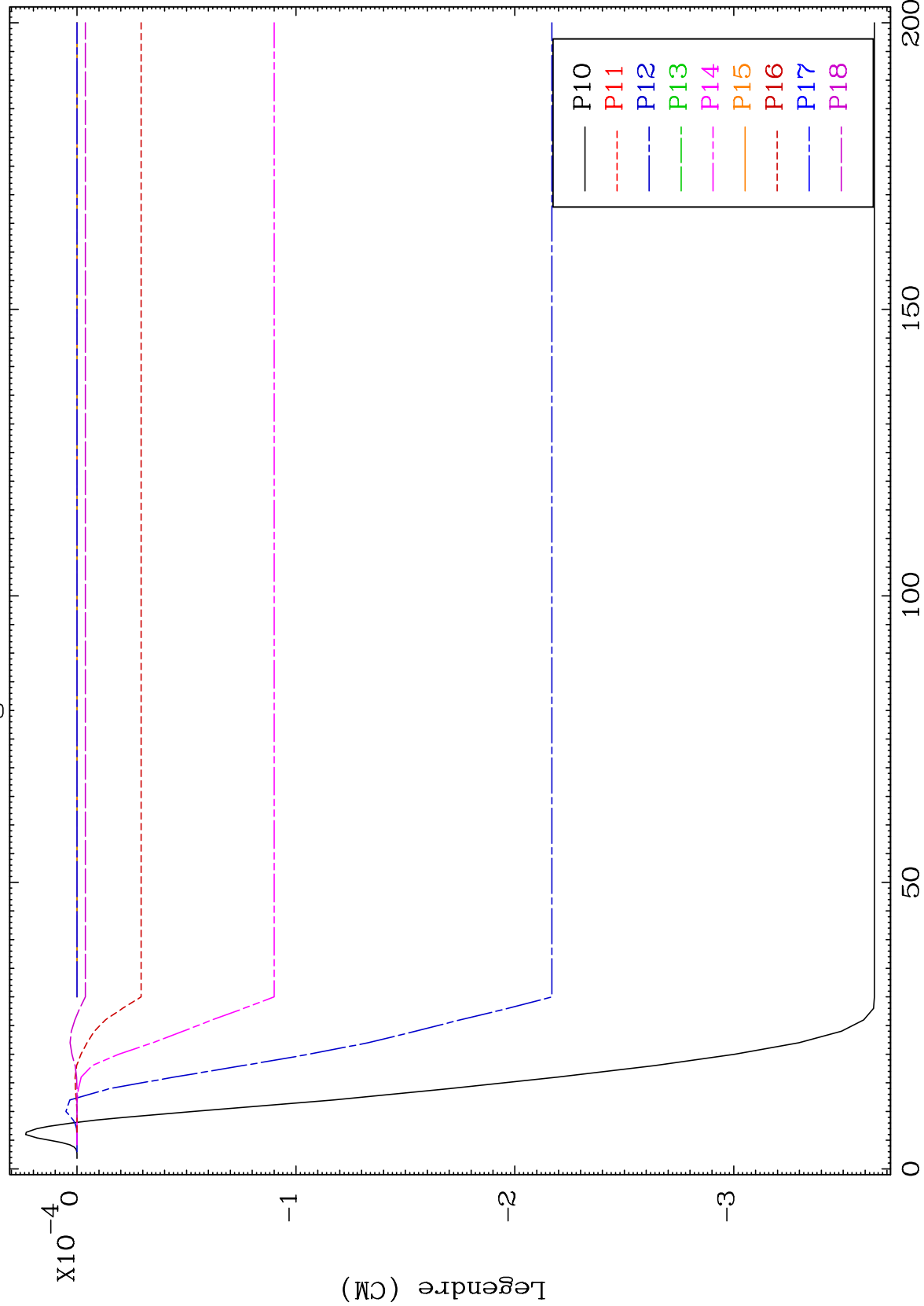




MAT 7140

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

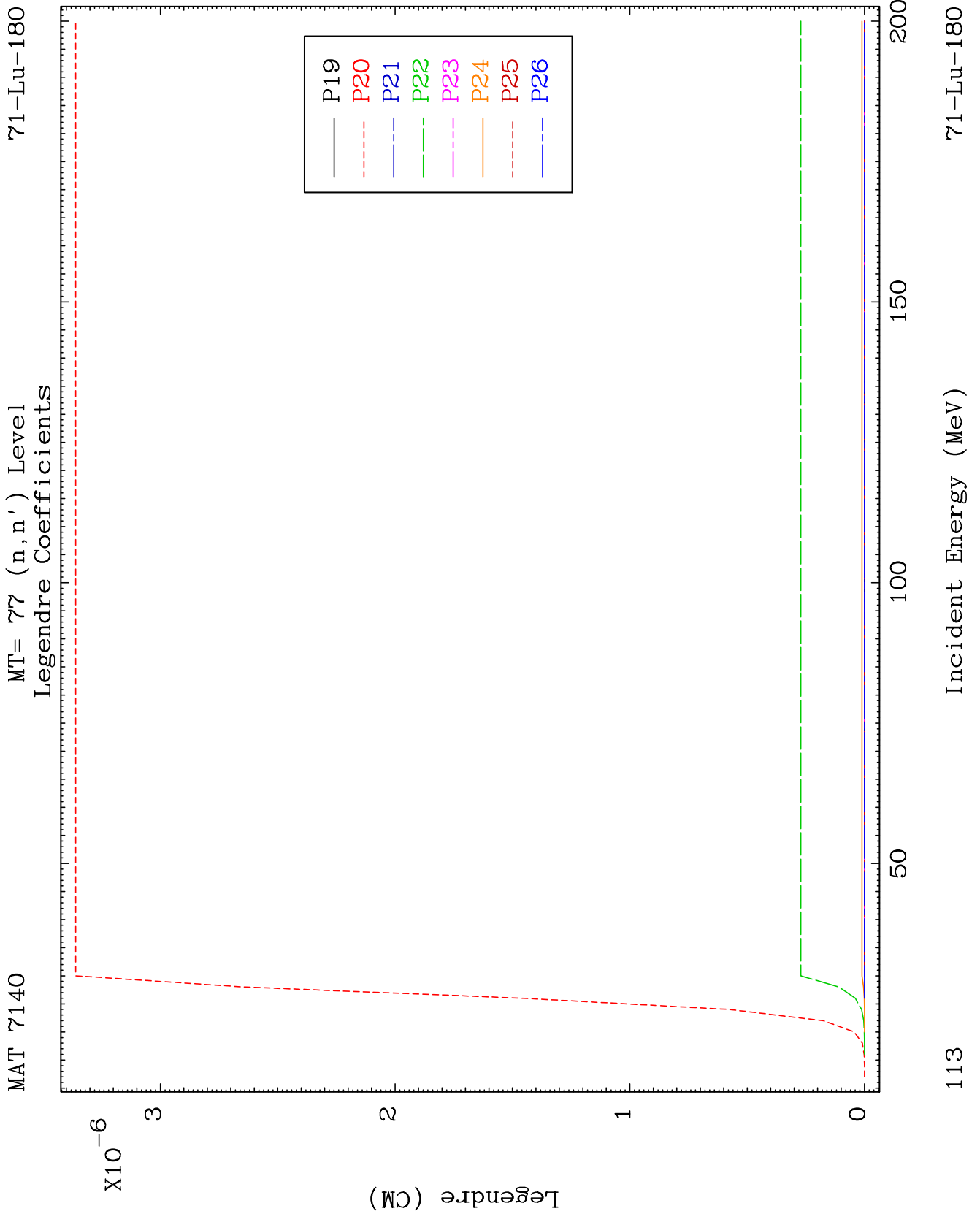
71-Lu-180

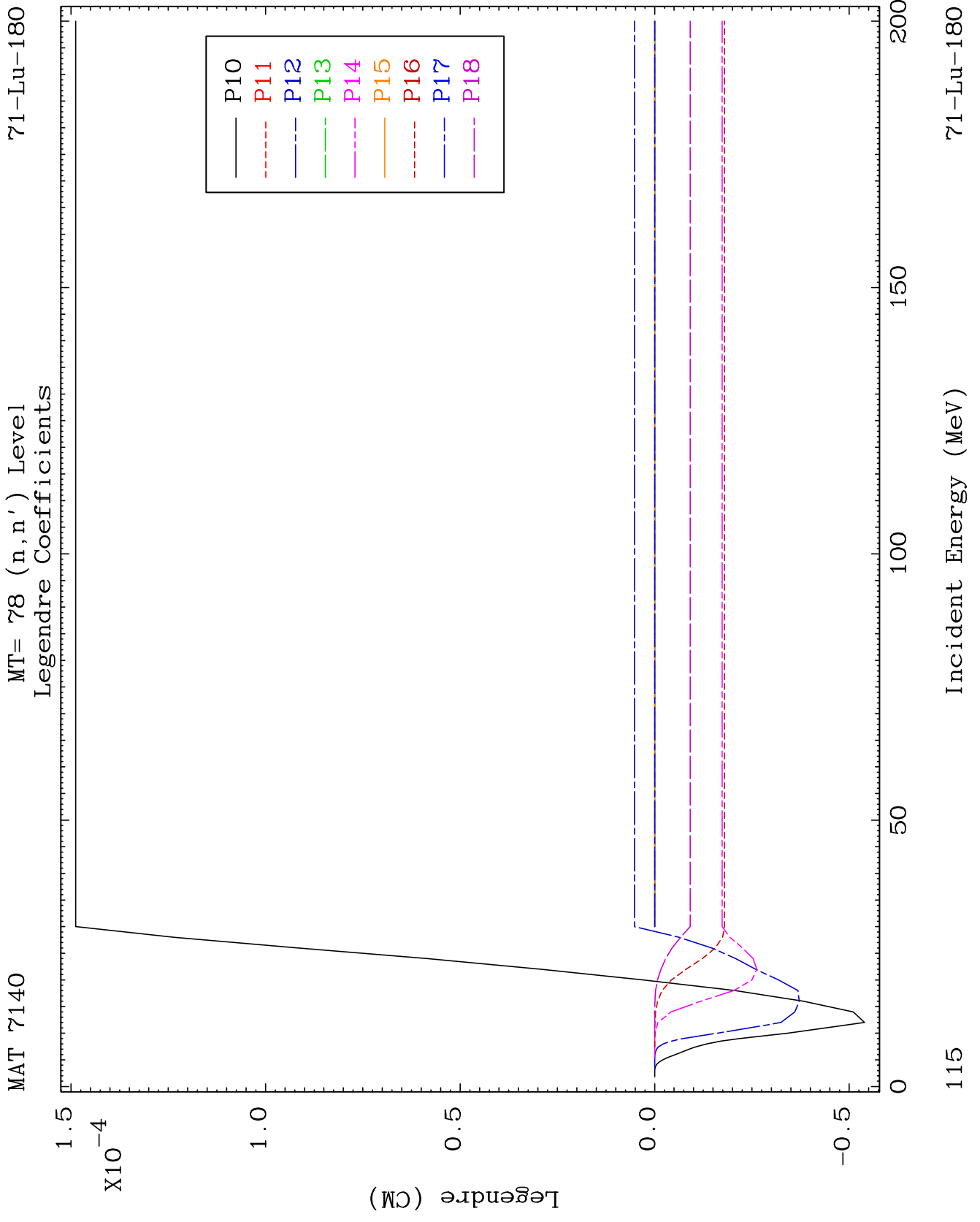


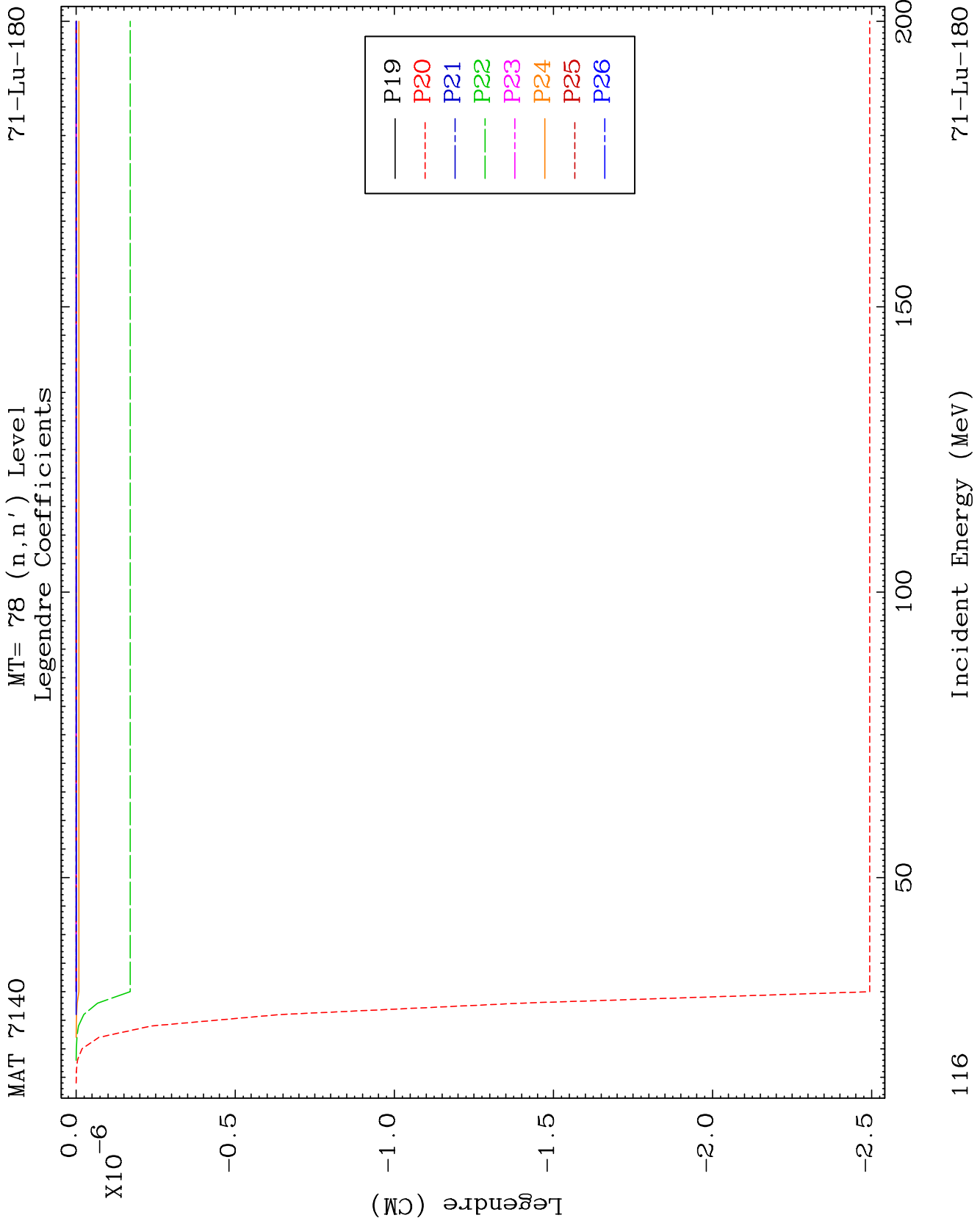
71-Lu-180

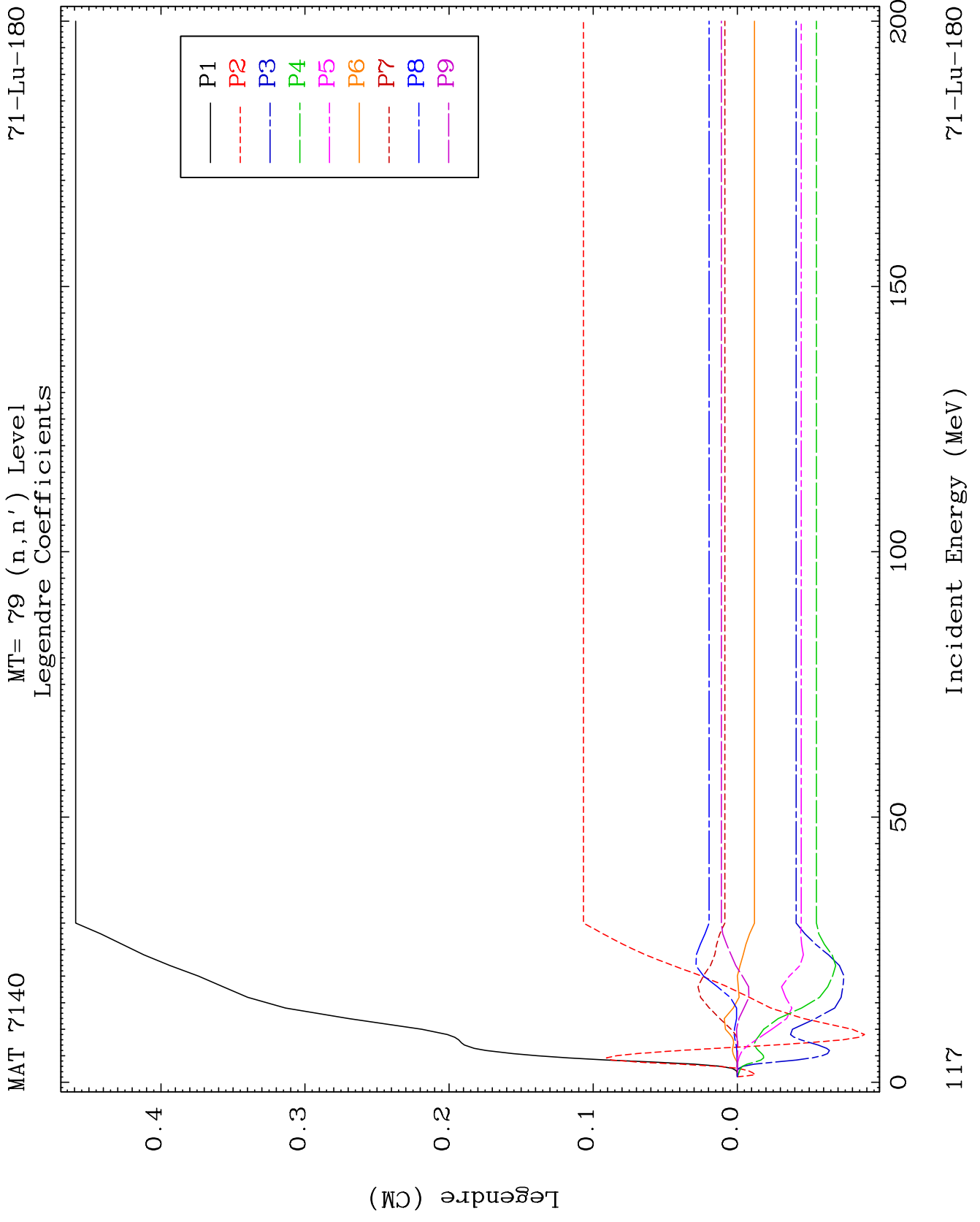
Incident Energy (MeV)

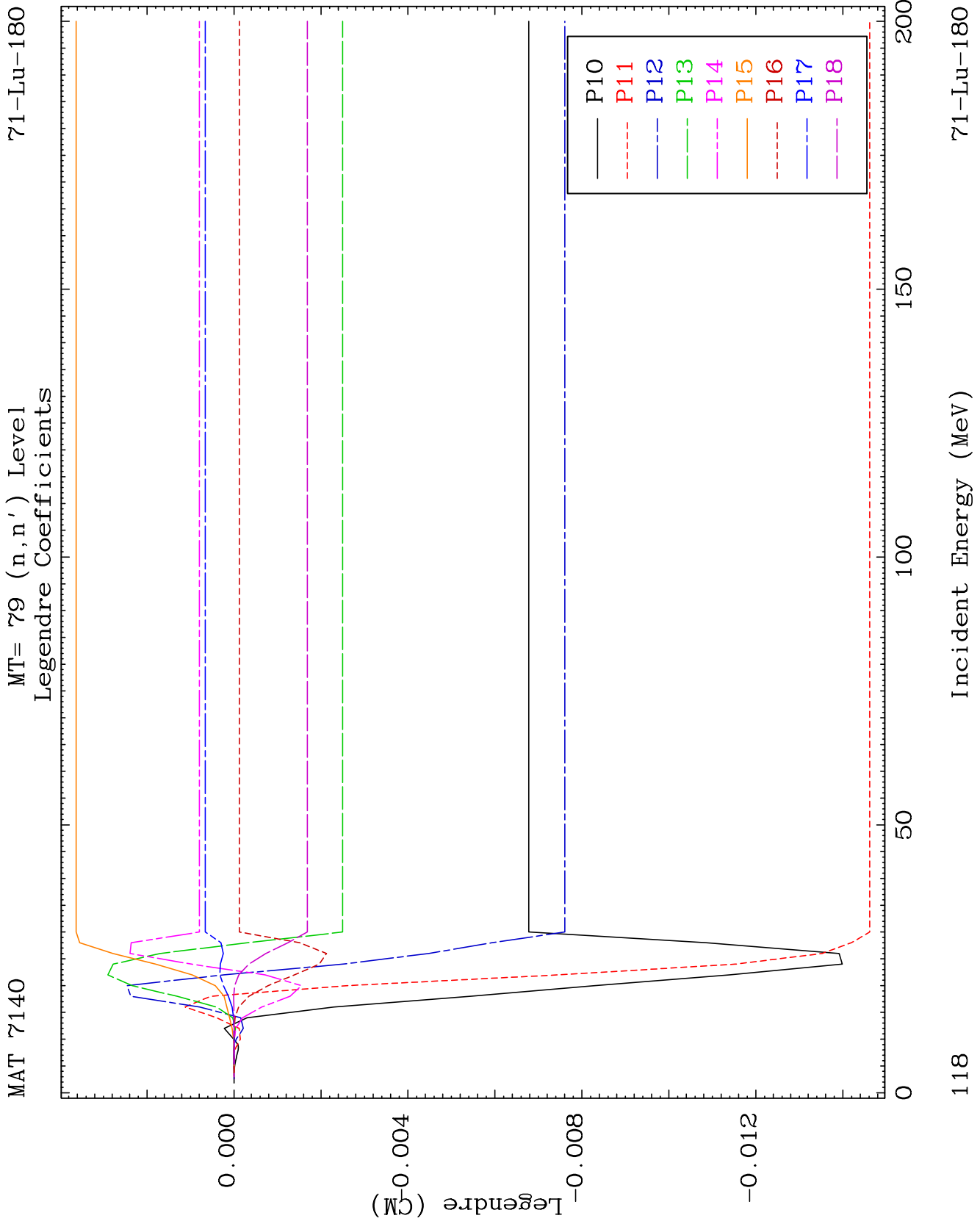
112







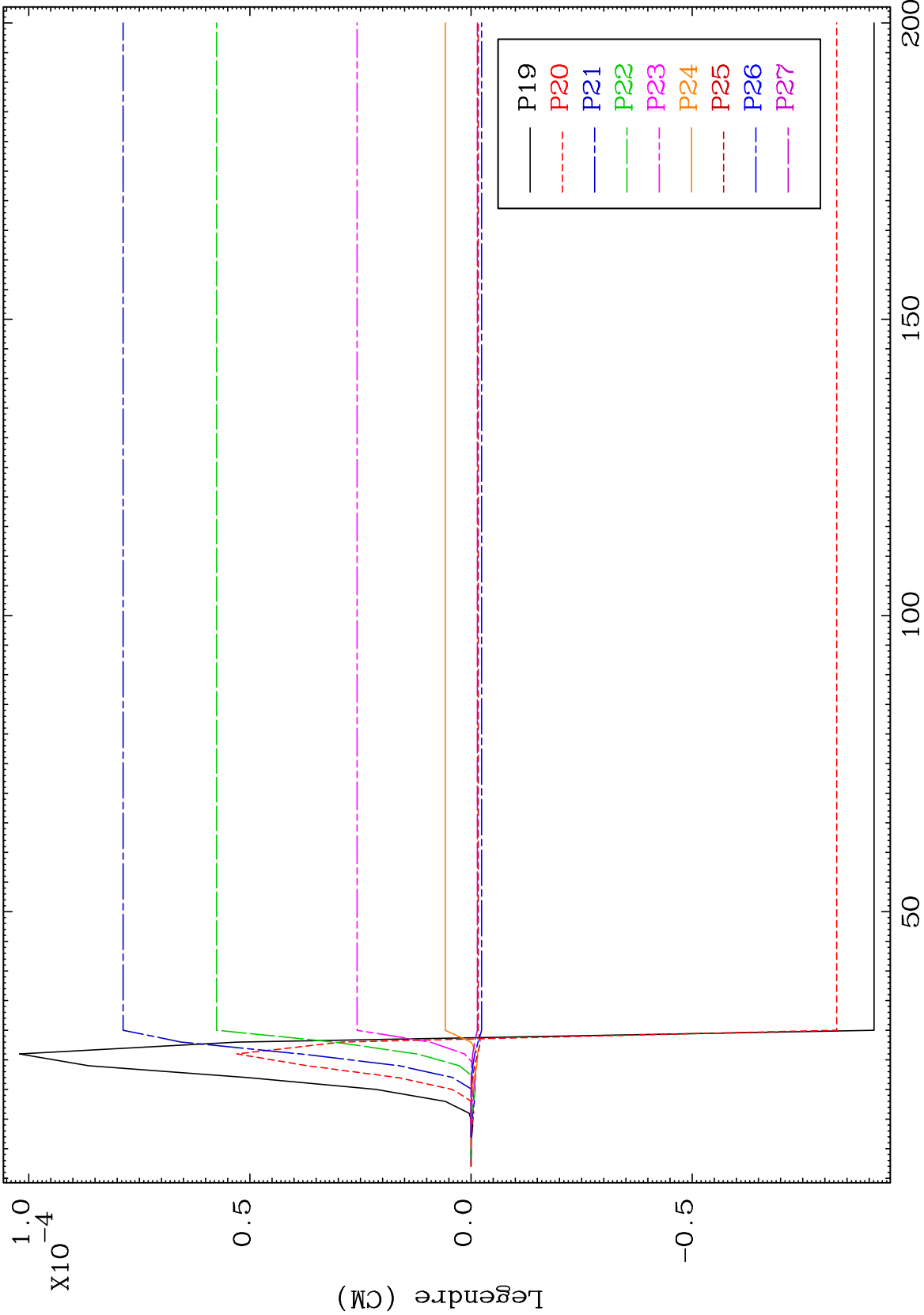




MAT 7140

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

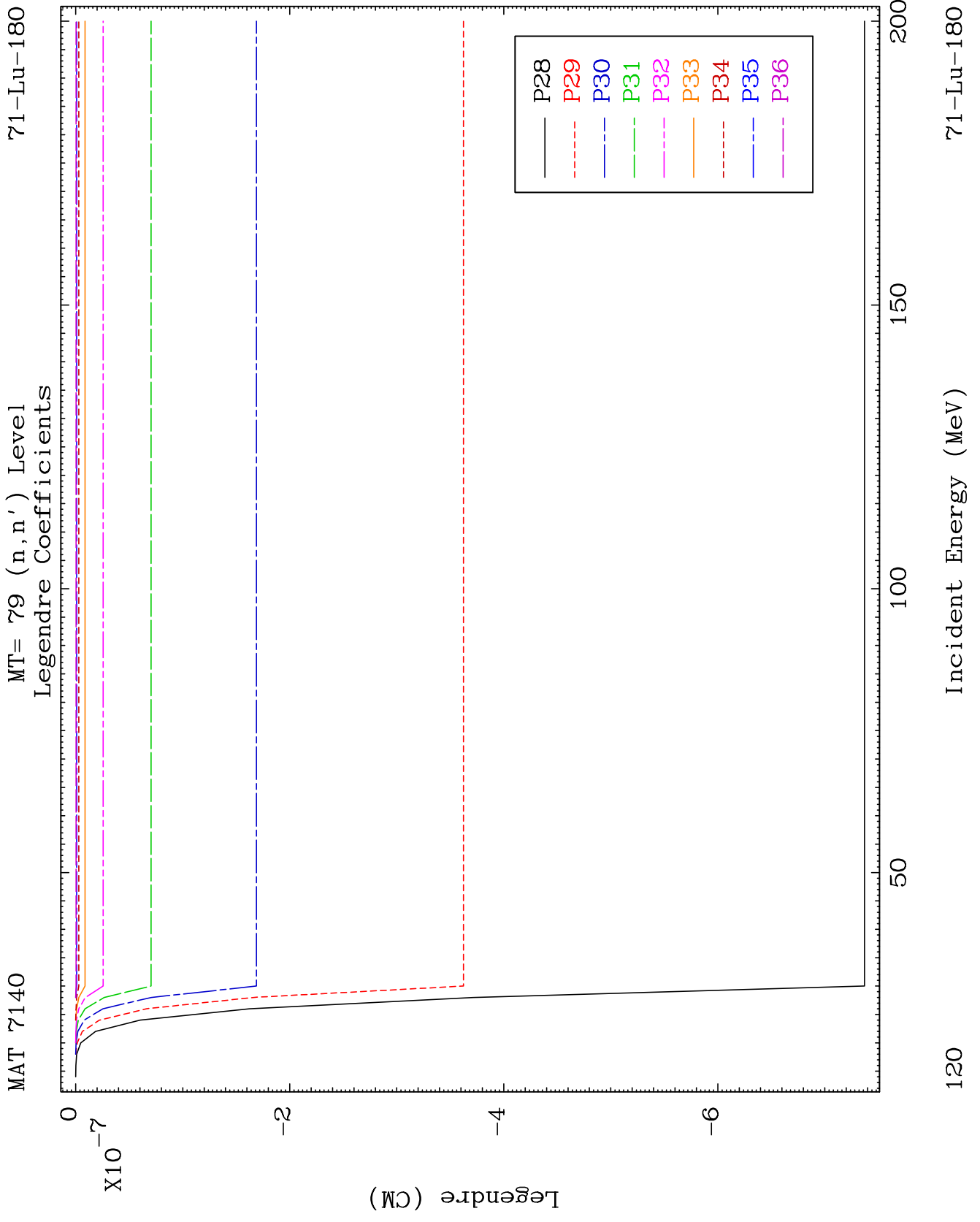
71-Lu-180



119

Incident Energy (MeV)

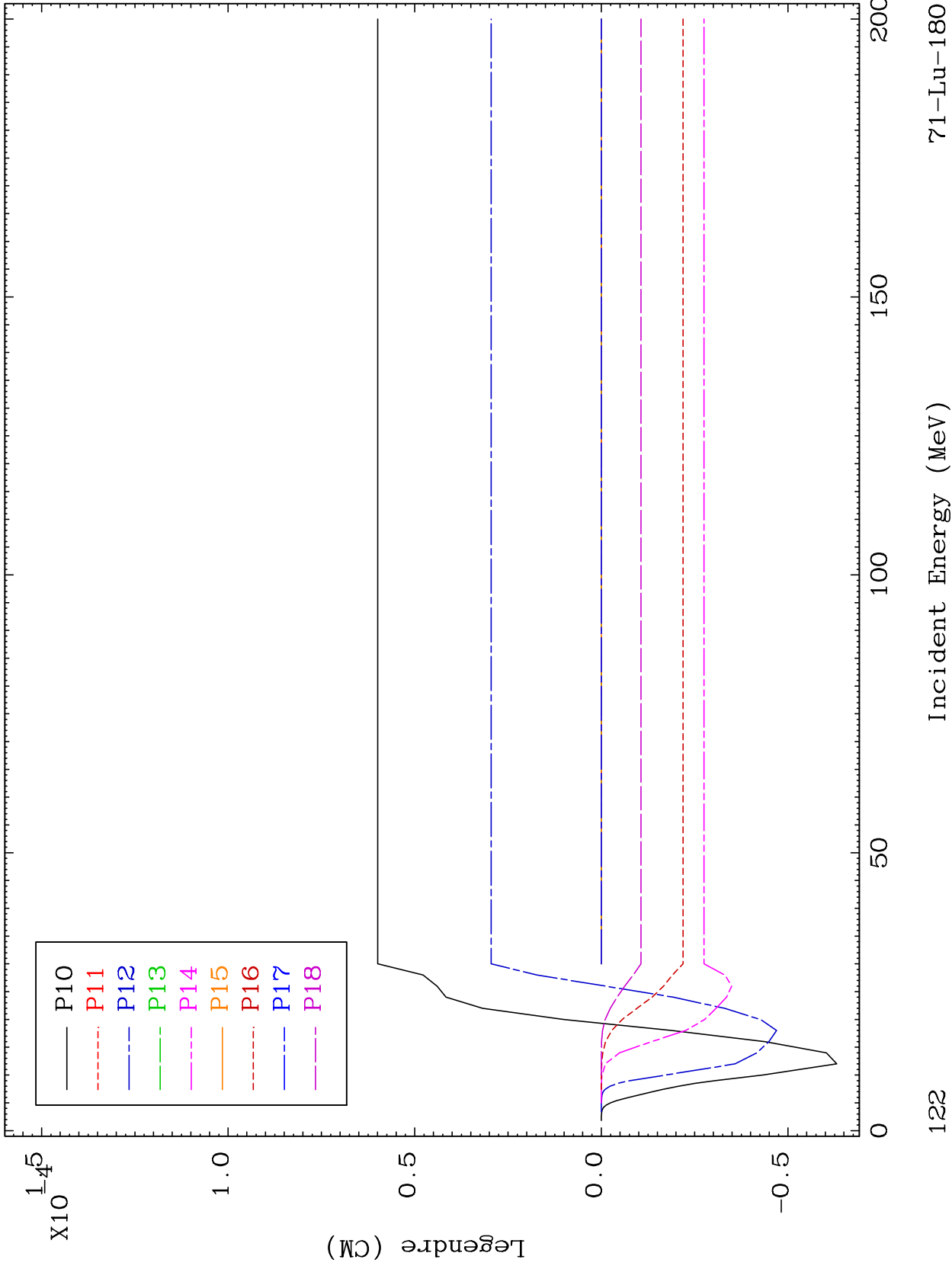
71-Lu-180



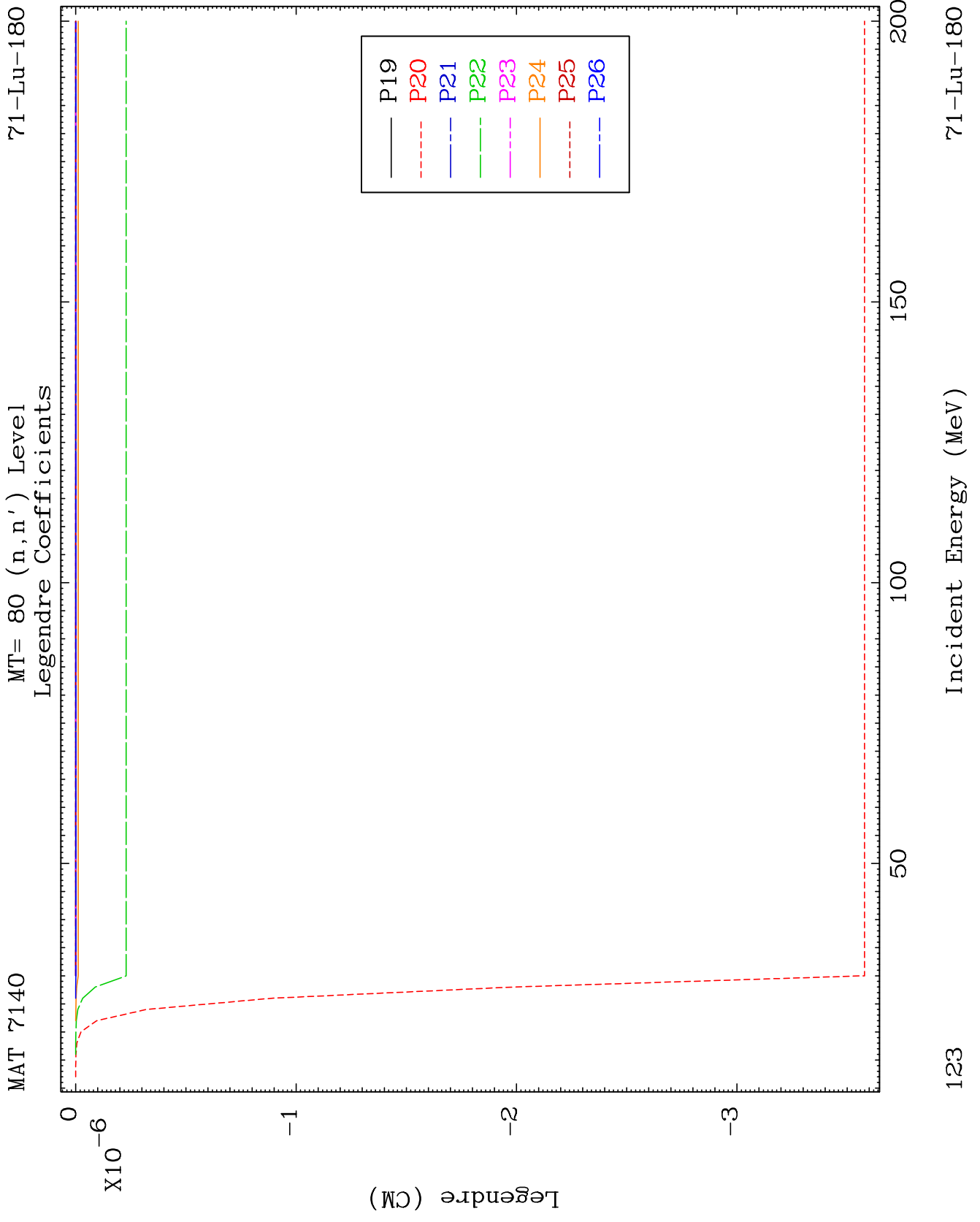
MAT 7140

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

71-Lu-180



122

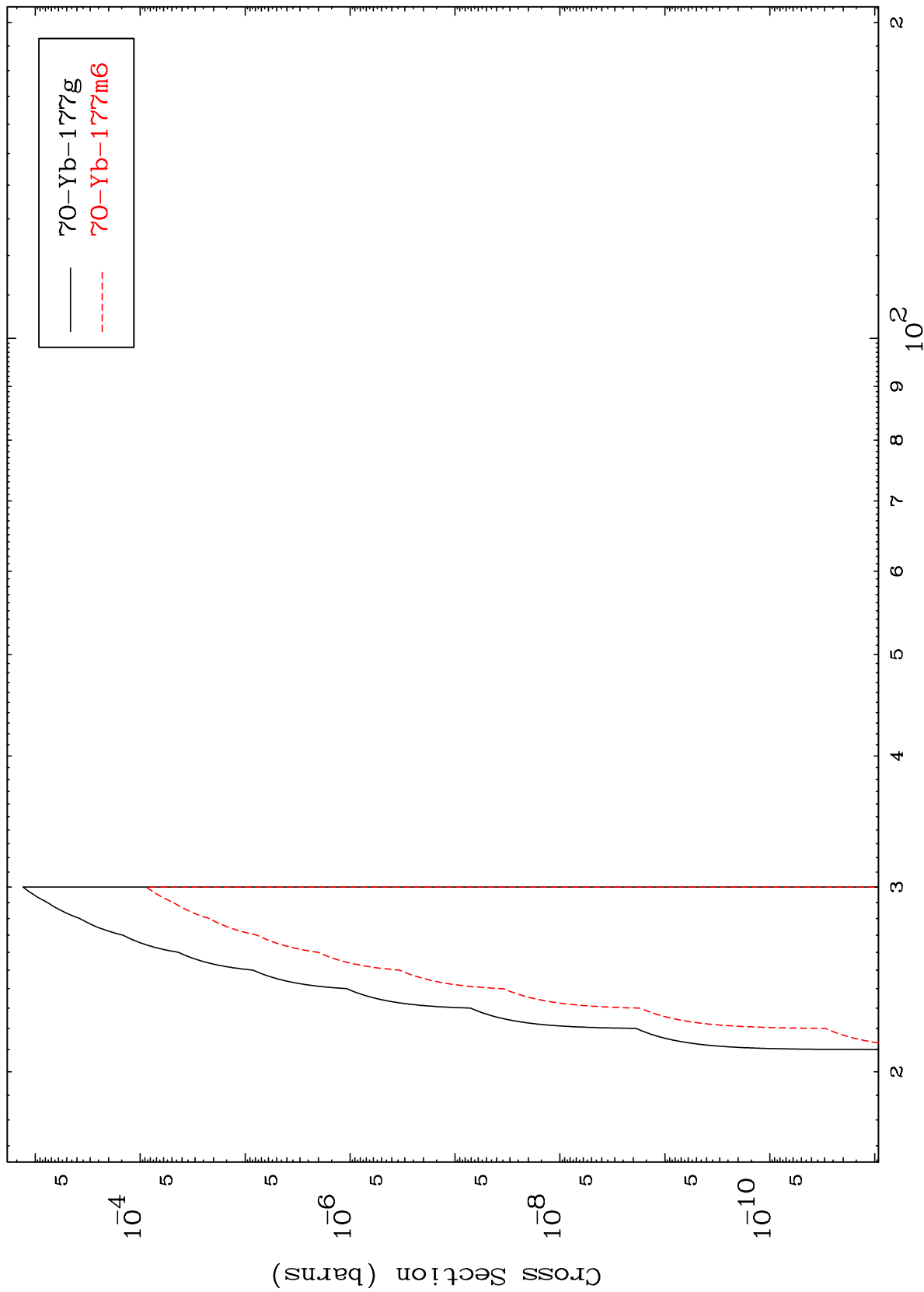


MAT 7140

(n,2n) d

71-Lu-180

Radionuclide Production Cross Section



124

Incident Energy (MeV)

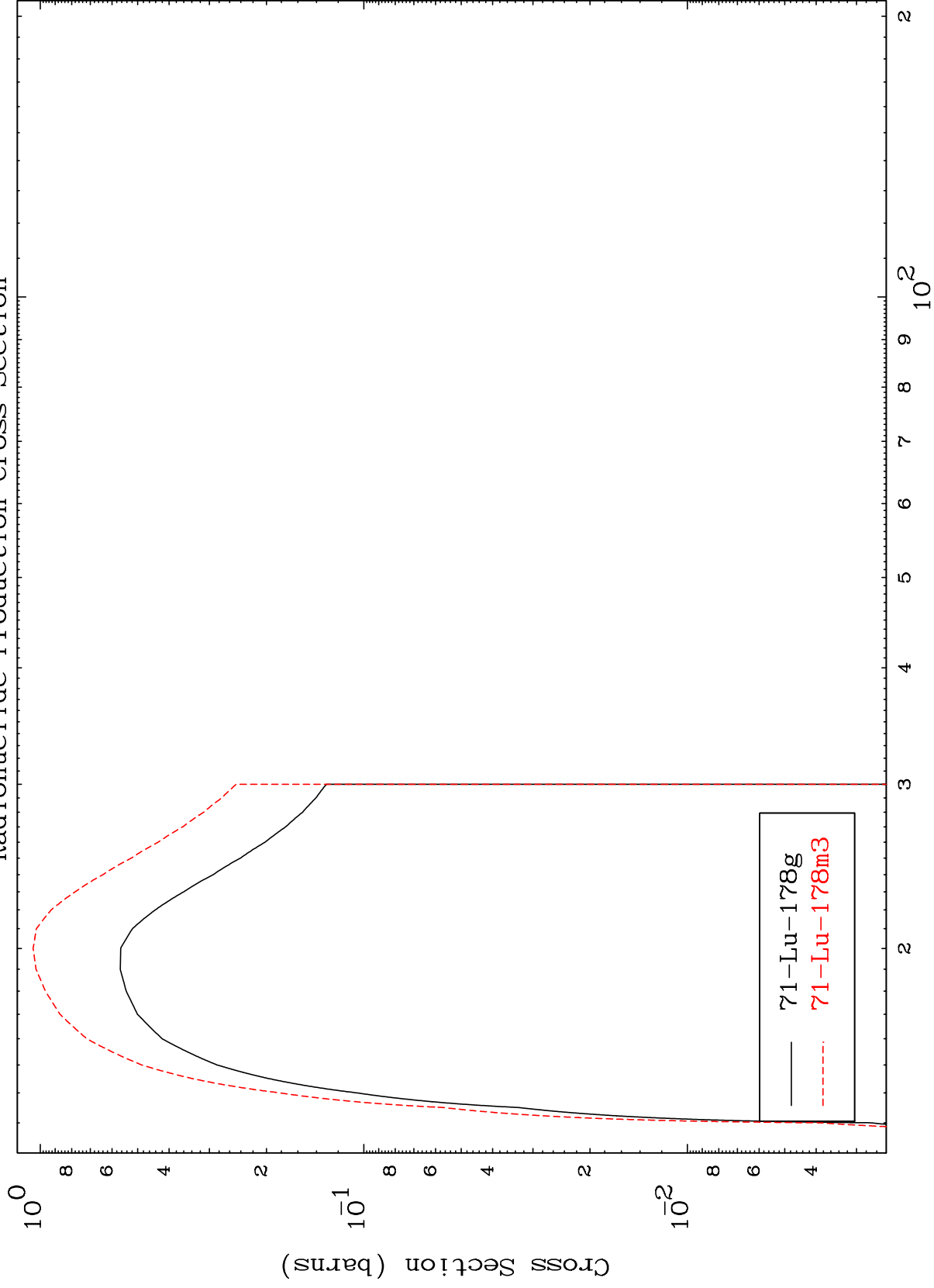
71-Lu-180

MAT 7140

(n,3n)

⁷¹Lu-180

Radionuclide Production Cross Section



125

Incident Energy (MeV)

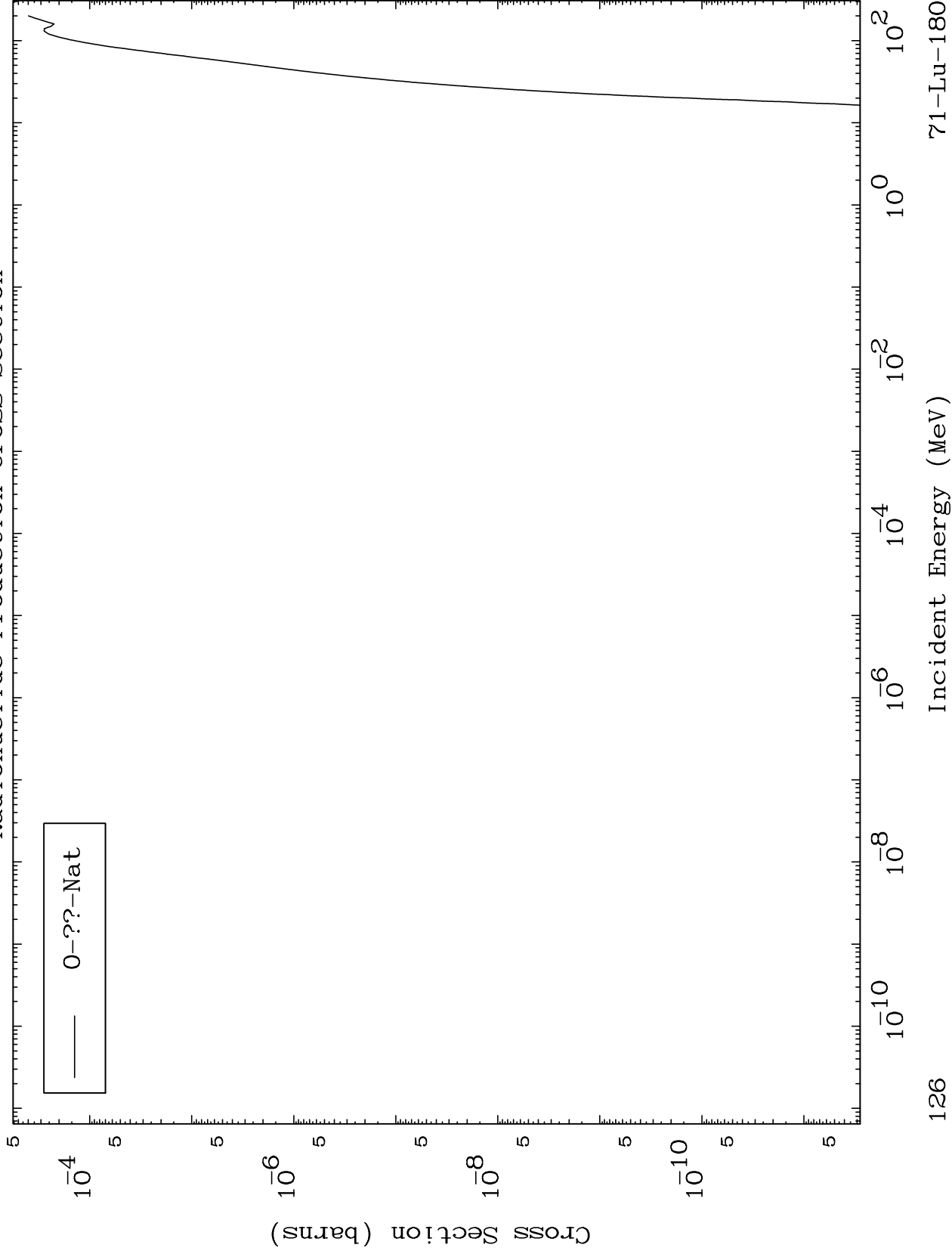
⁷¹Lu-180

MAT 7140

Fission

71-Lu-180

Radionuclide Production Cross Section

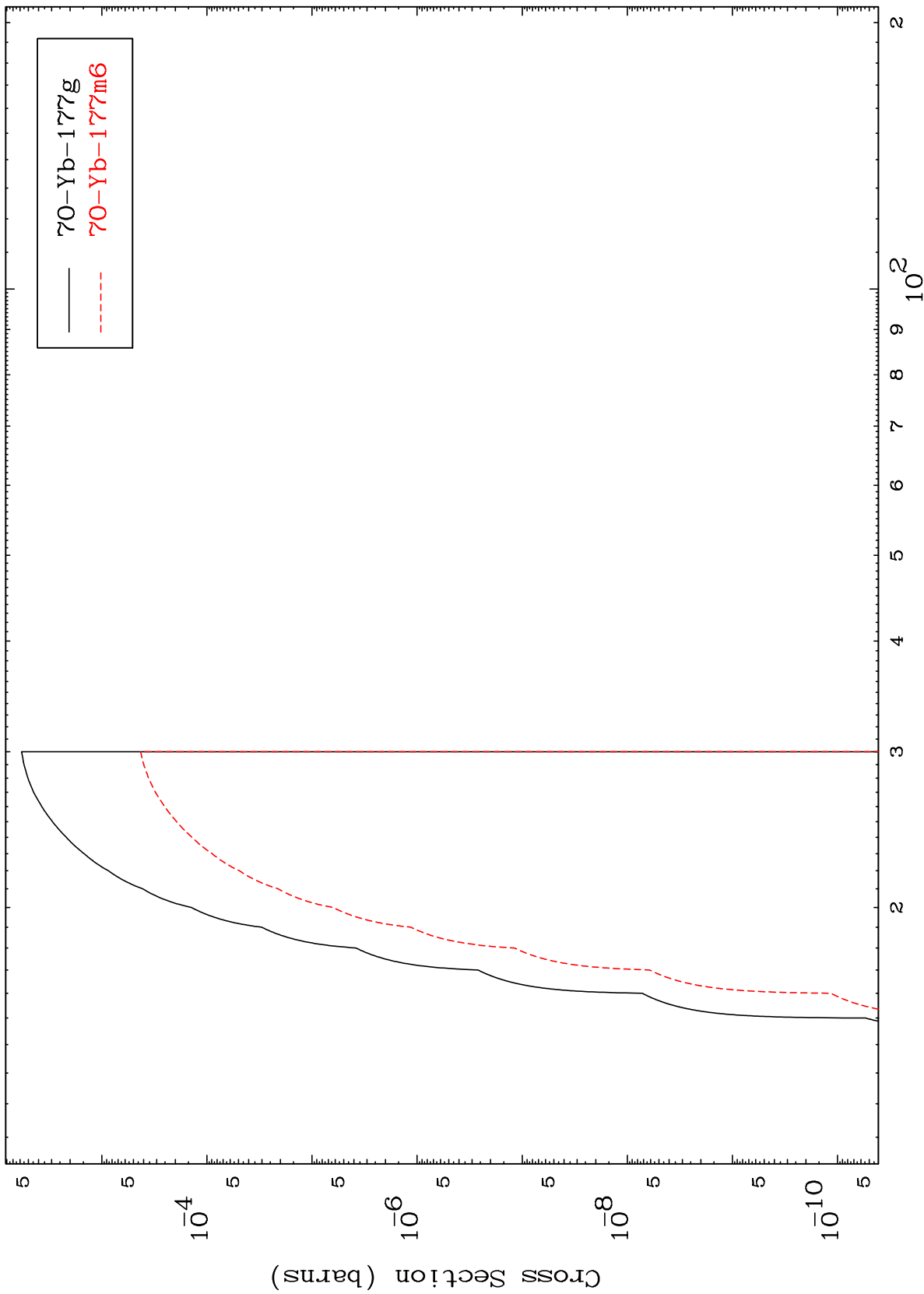


MAT 7140

(n,n') t

71-Lu-180

Radionuclide Production Cross Section

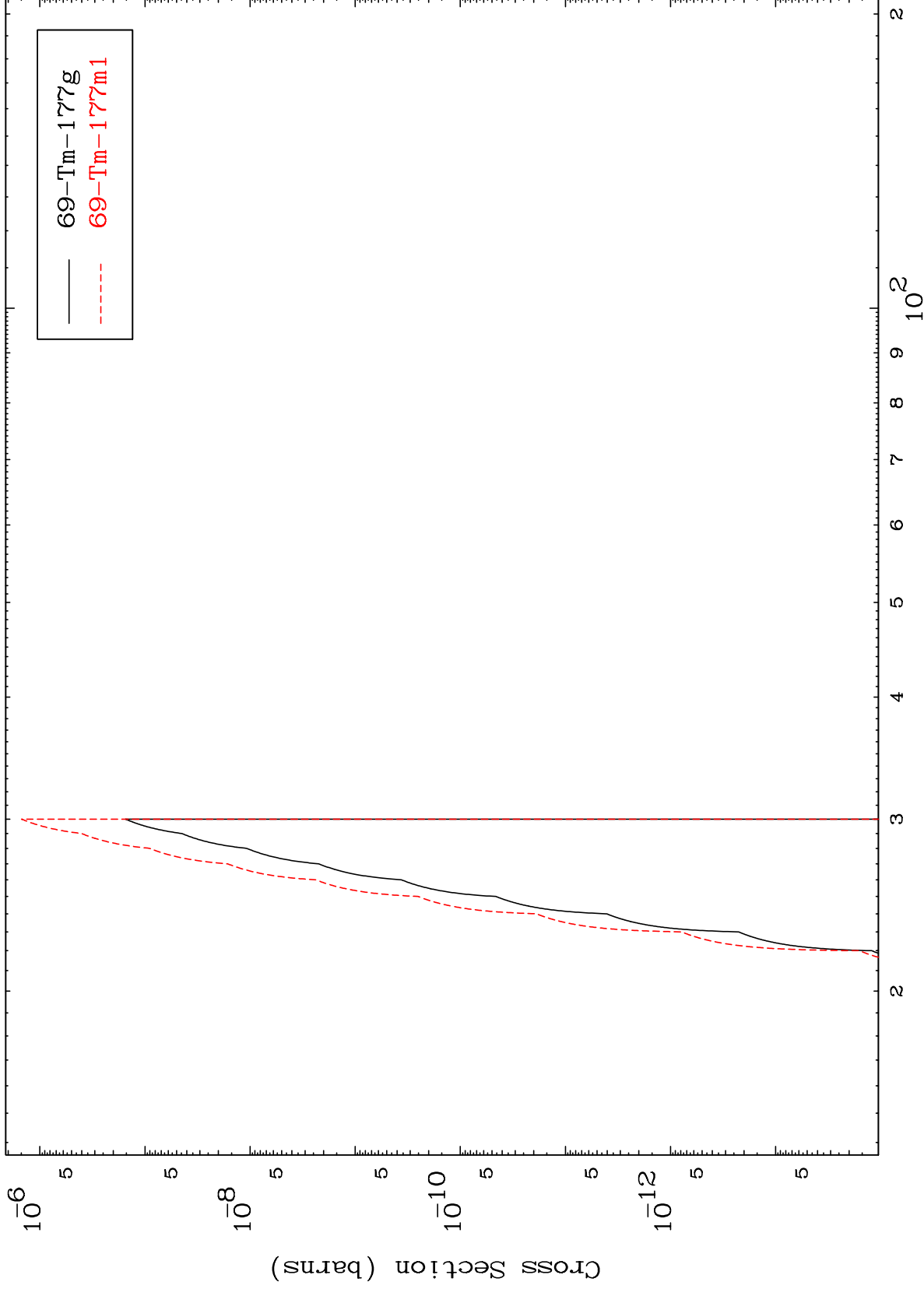


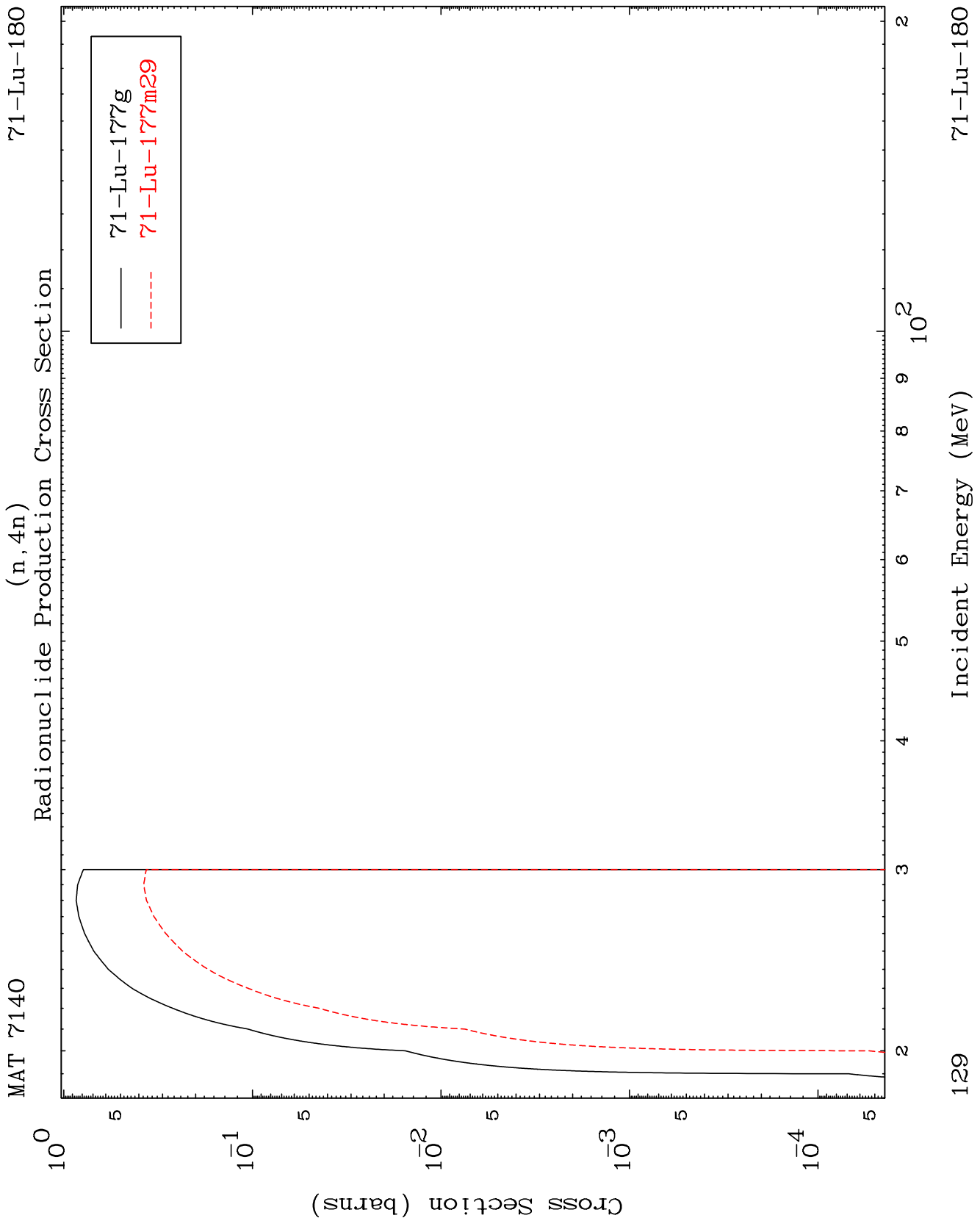
127

Incident Energy (MeV)

71-Lu-180

Radionuclide Production Cross Section



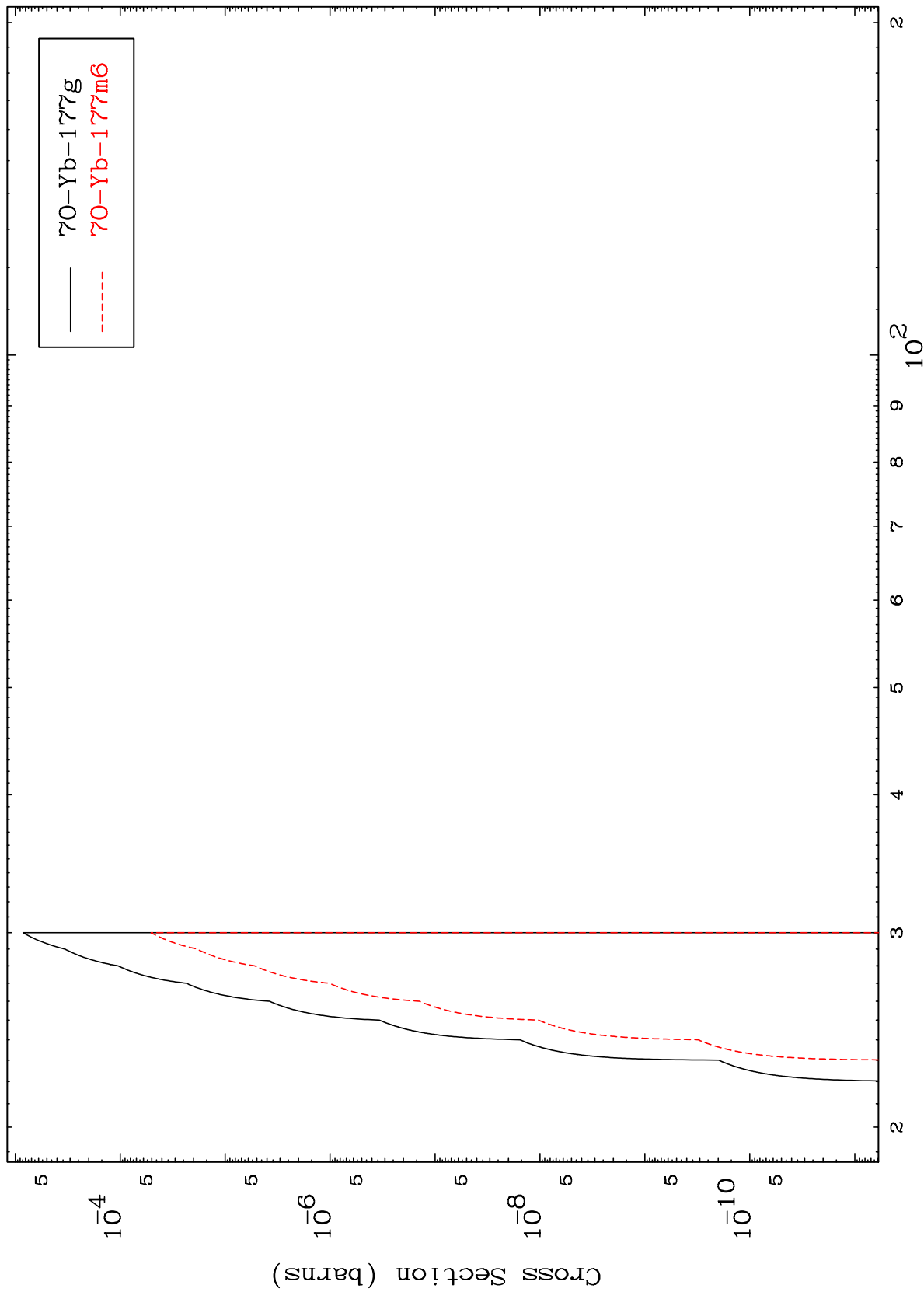


MAT 7140

(n,3n) p

71-Lu-180

Radionuclide Production Cross Section



130

Incident Energy (MeV)

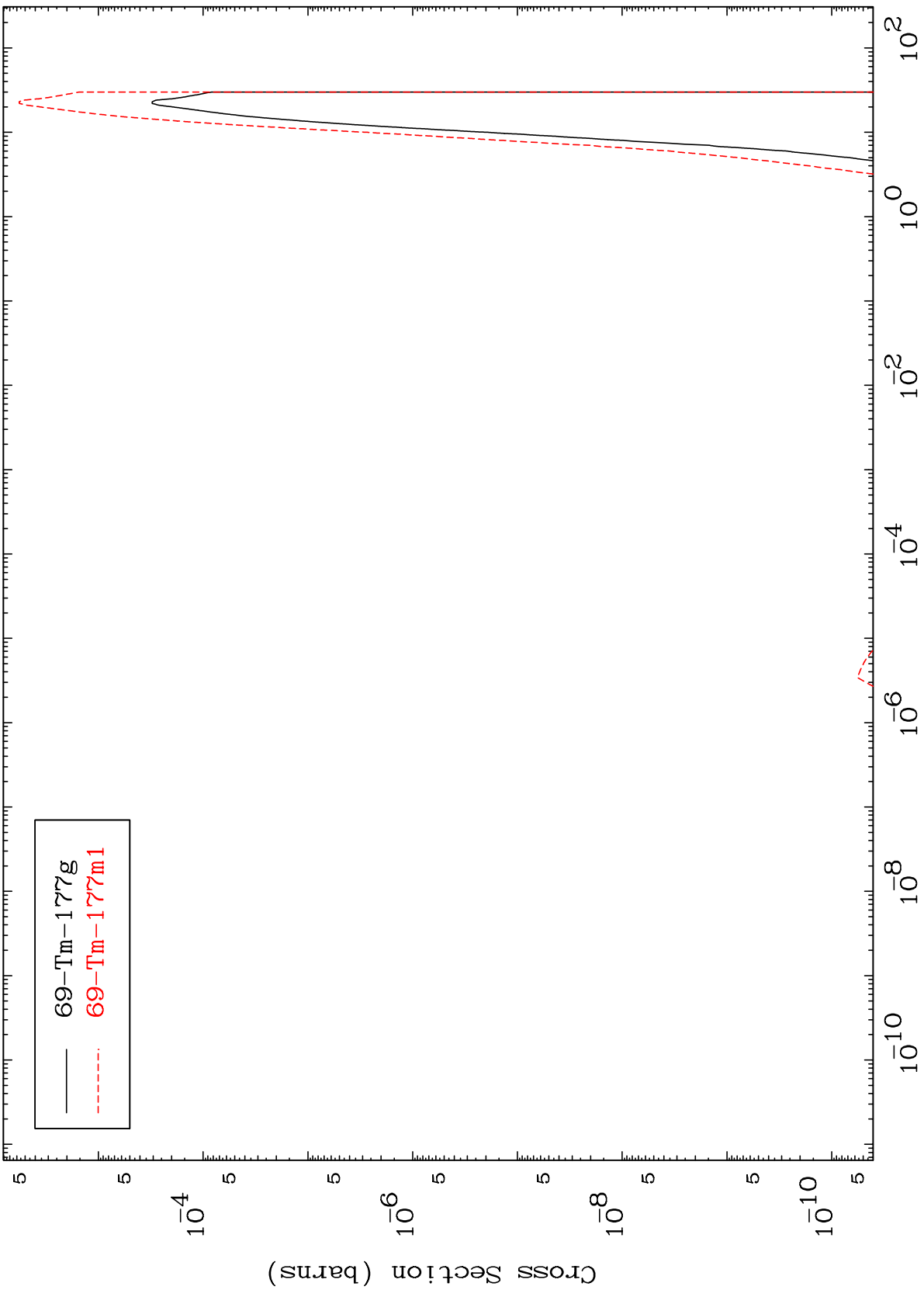
71-Lu-180

MAT 7140

(n, α)

⁷¹Lu-180

Radionuclide Production Cross Section



131

Incident Energy (MeV)

⁷¹Lu-180