

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

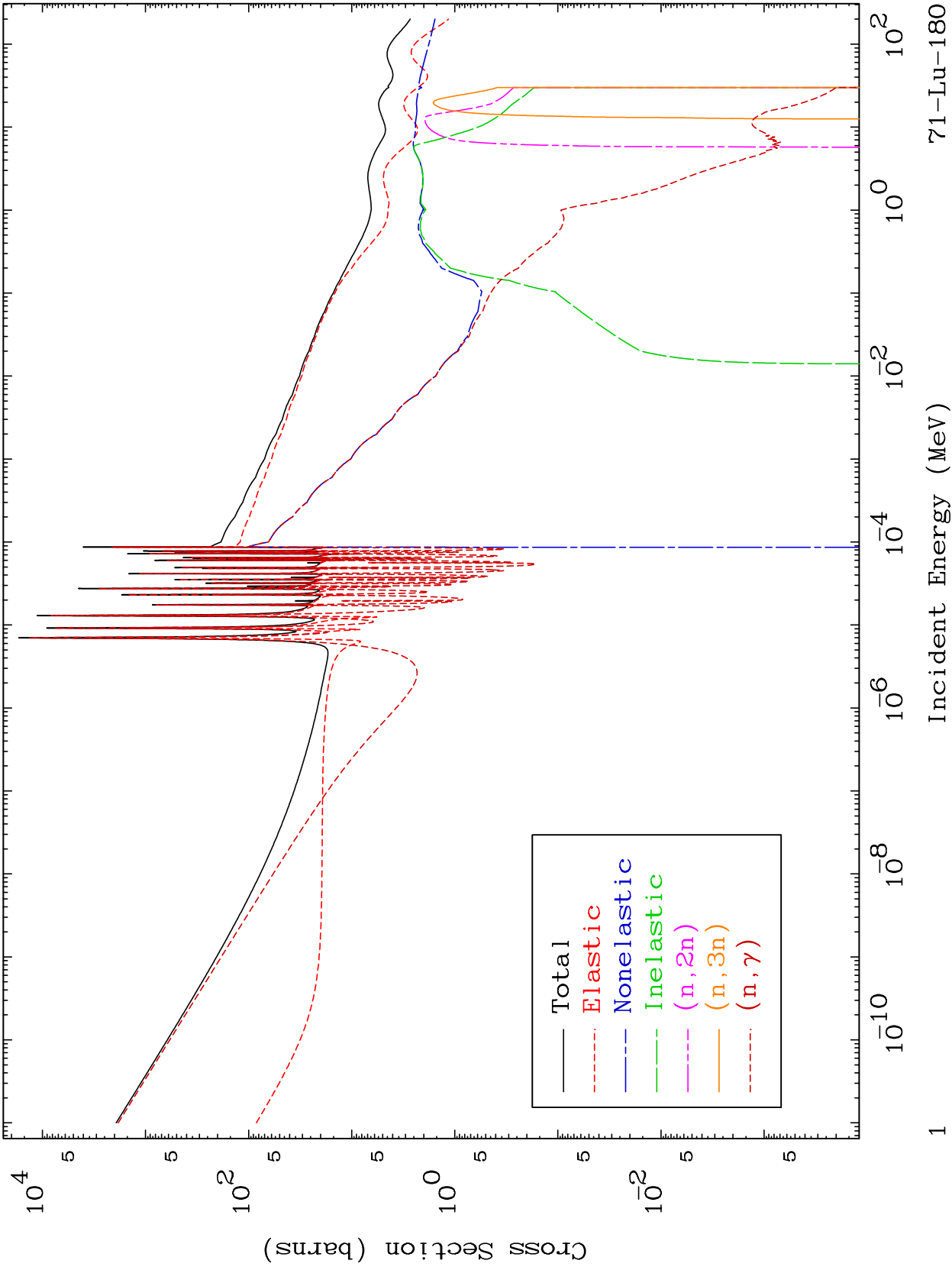
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7140

Neutron Major
293 Kelvin Cross Sections

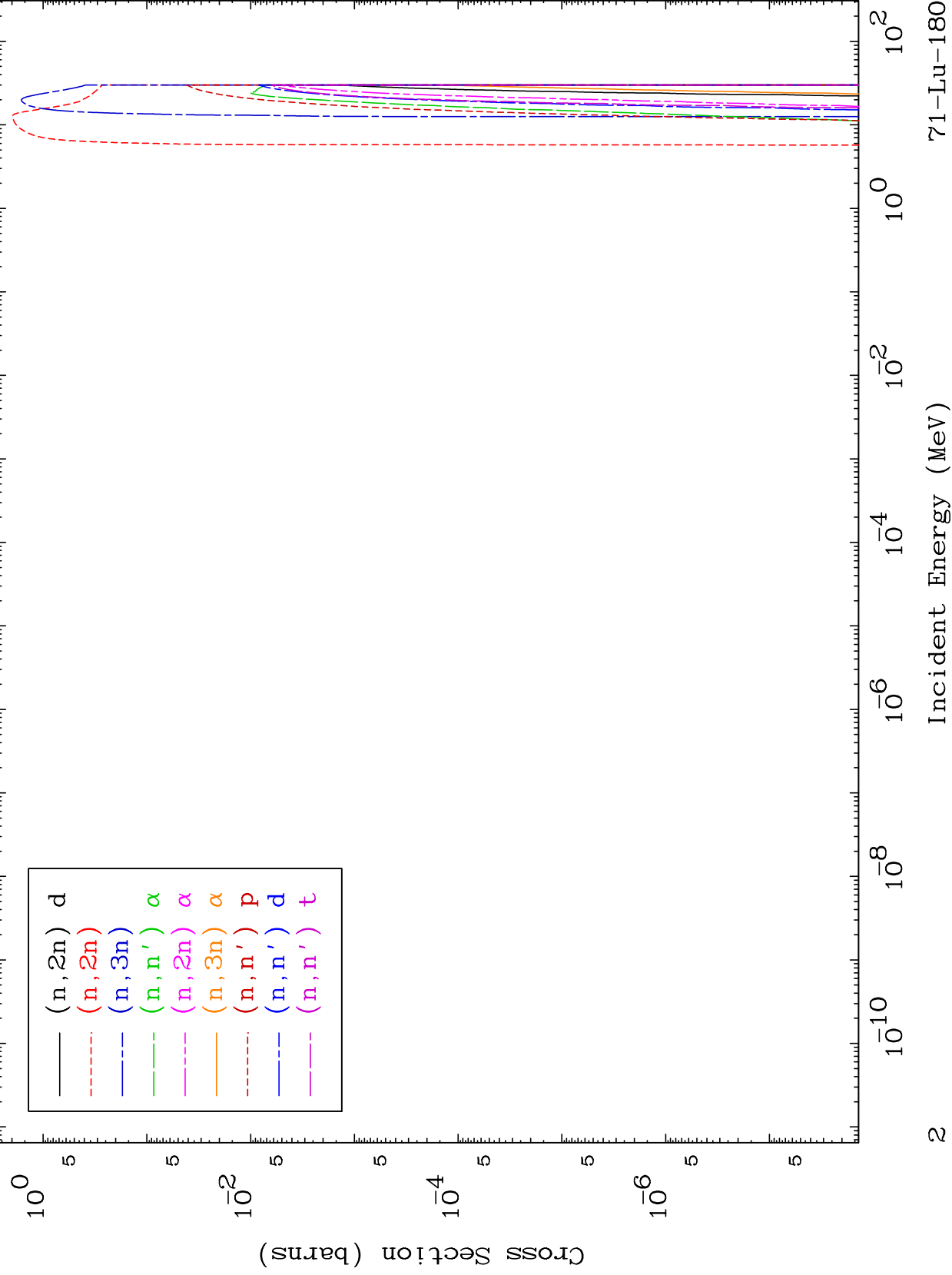
71-Lu-180



MAT 7140

Neutron Absorption
293 Kelvin Cross Sections

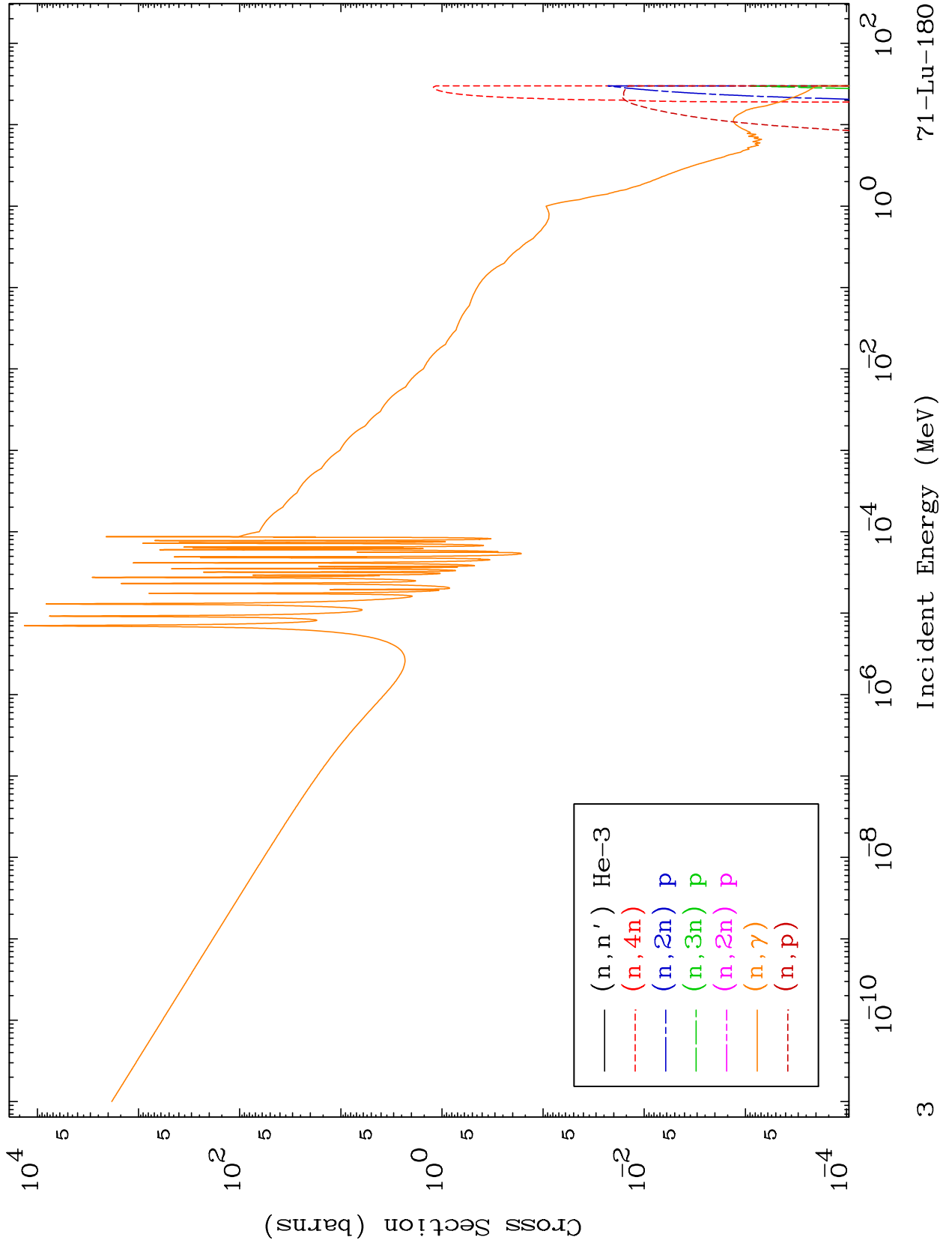
71-Lu-180

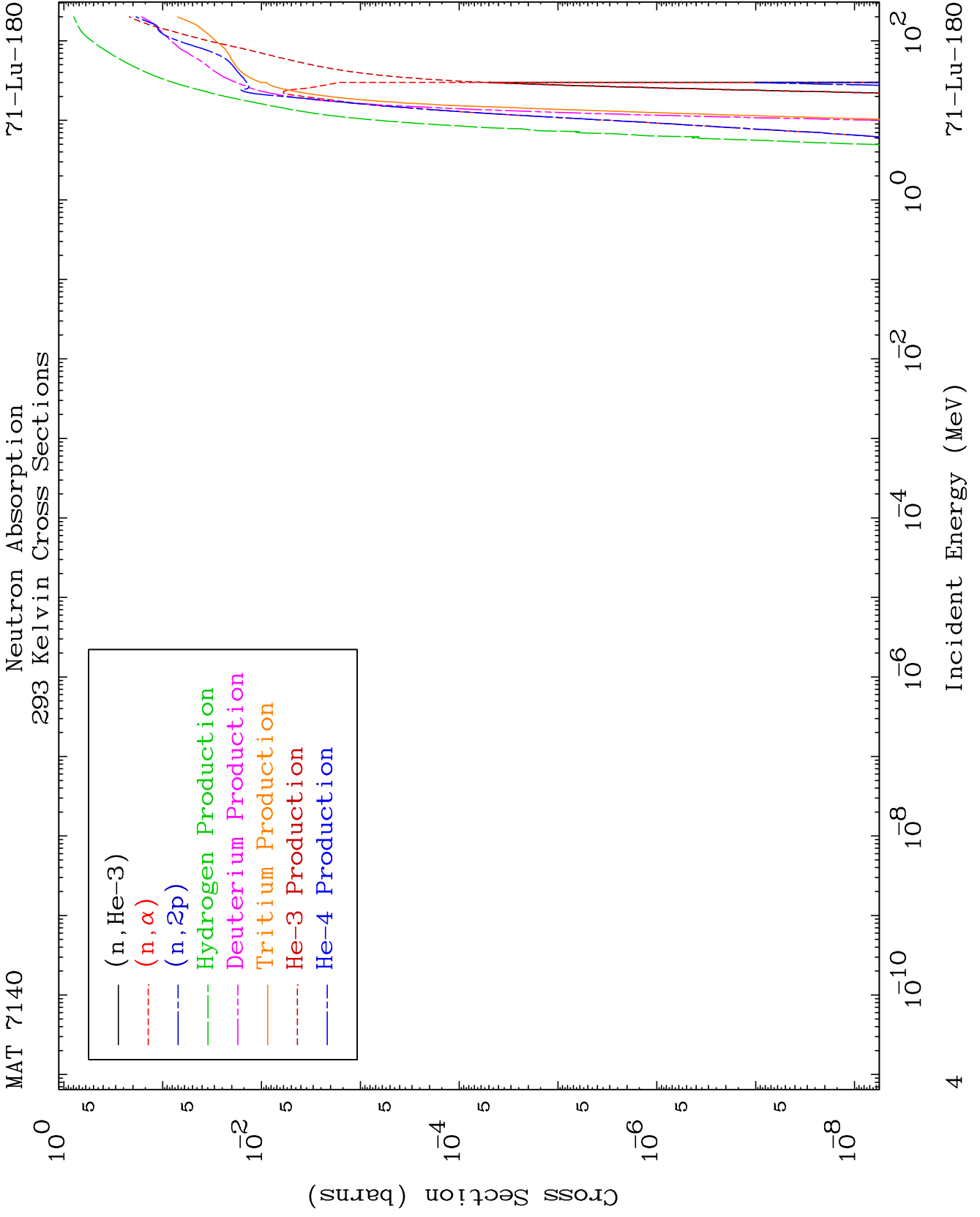


MAT 7140

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-180

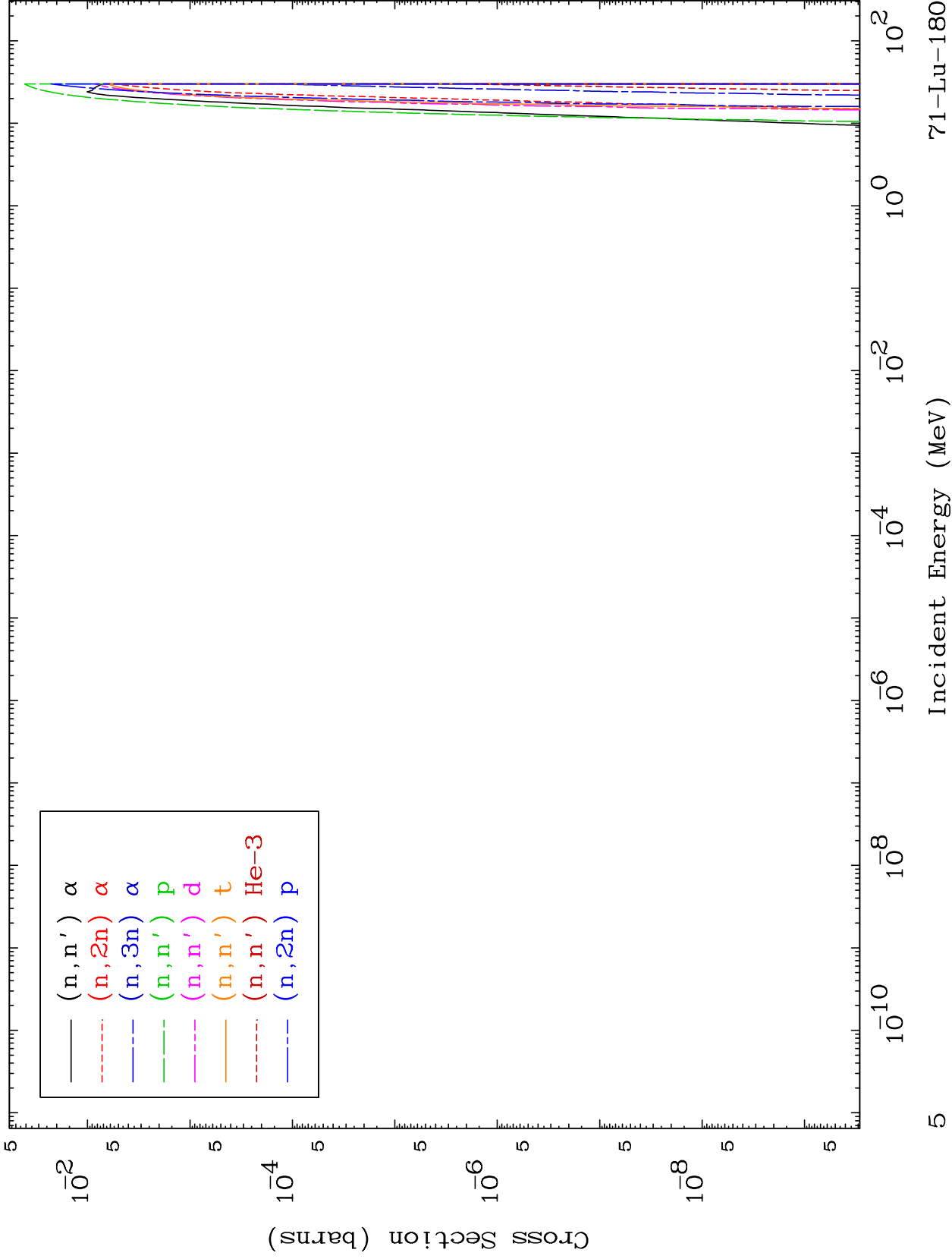




MAT 7140

Charged Particle
293 Kelvin Cross Sections

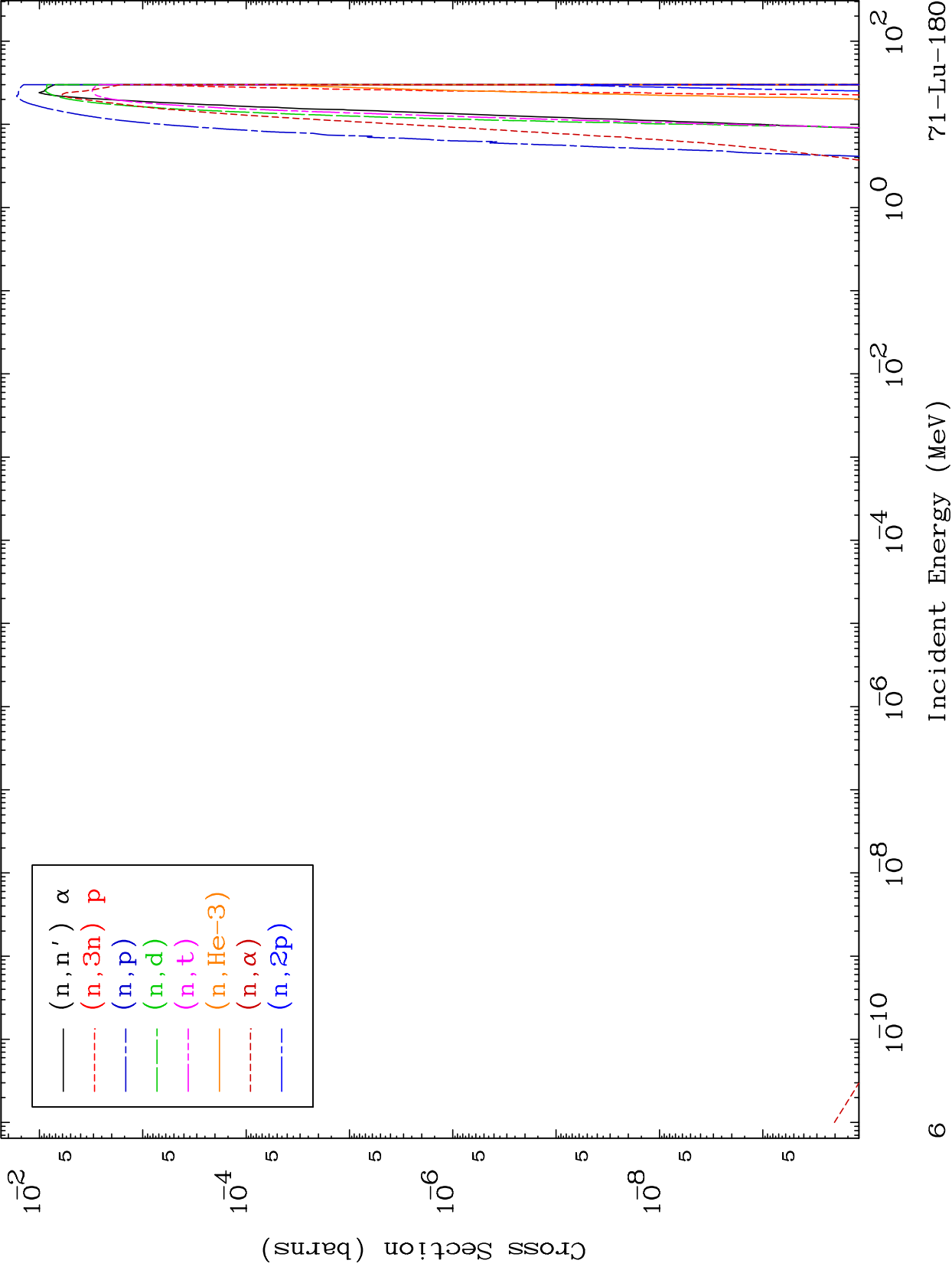
71-Lu-180



MAT 7140

Charged Particle
293 Kelvin Cross Sections

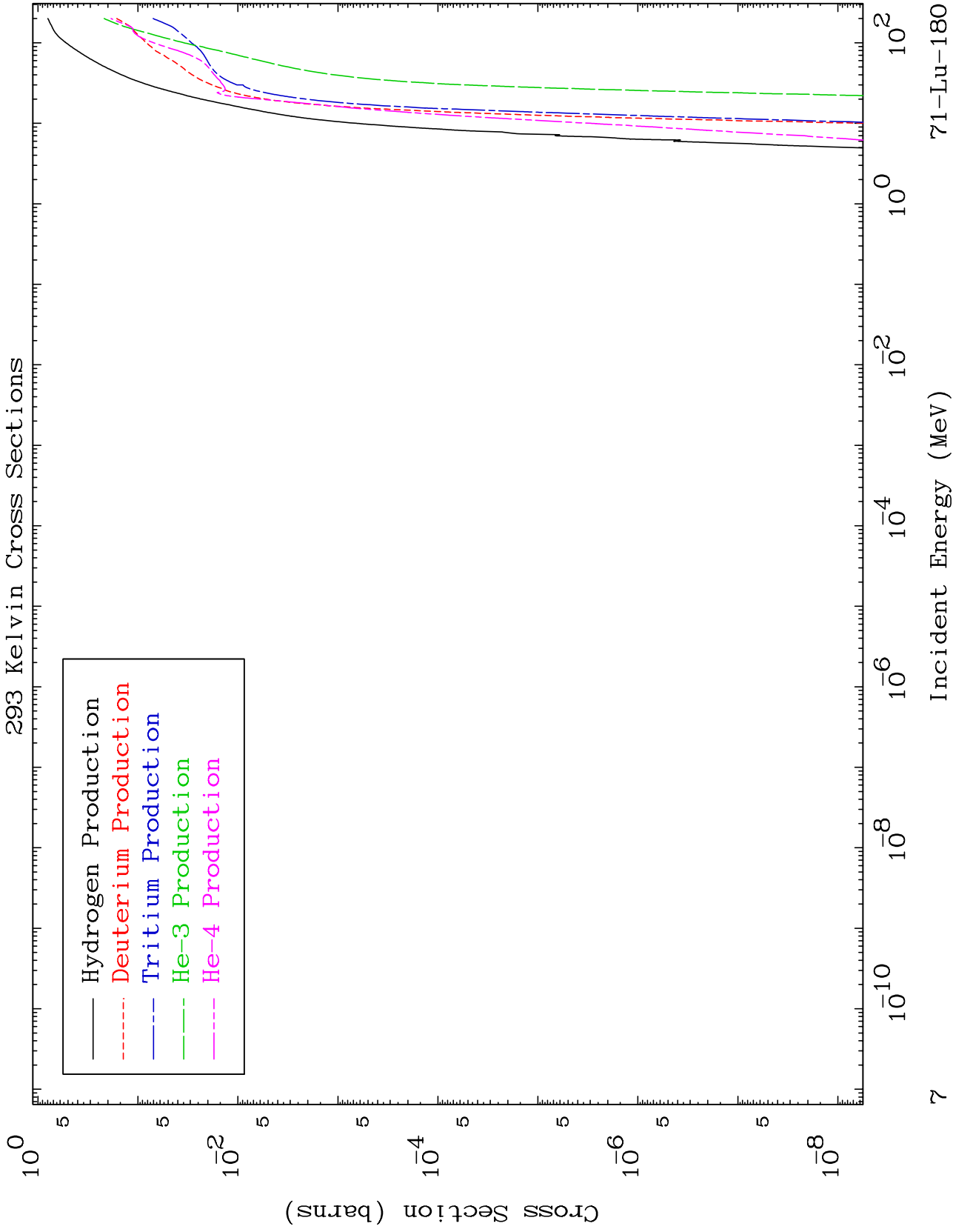
71-Lu-180



MAT 7140

Particle Production
293 Kelvin Cross Sections

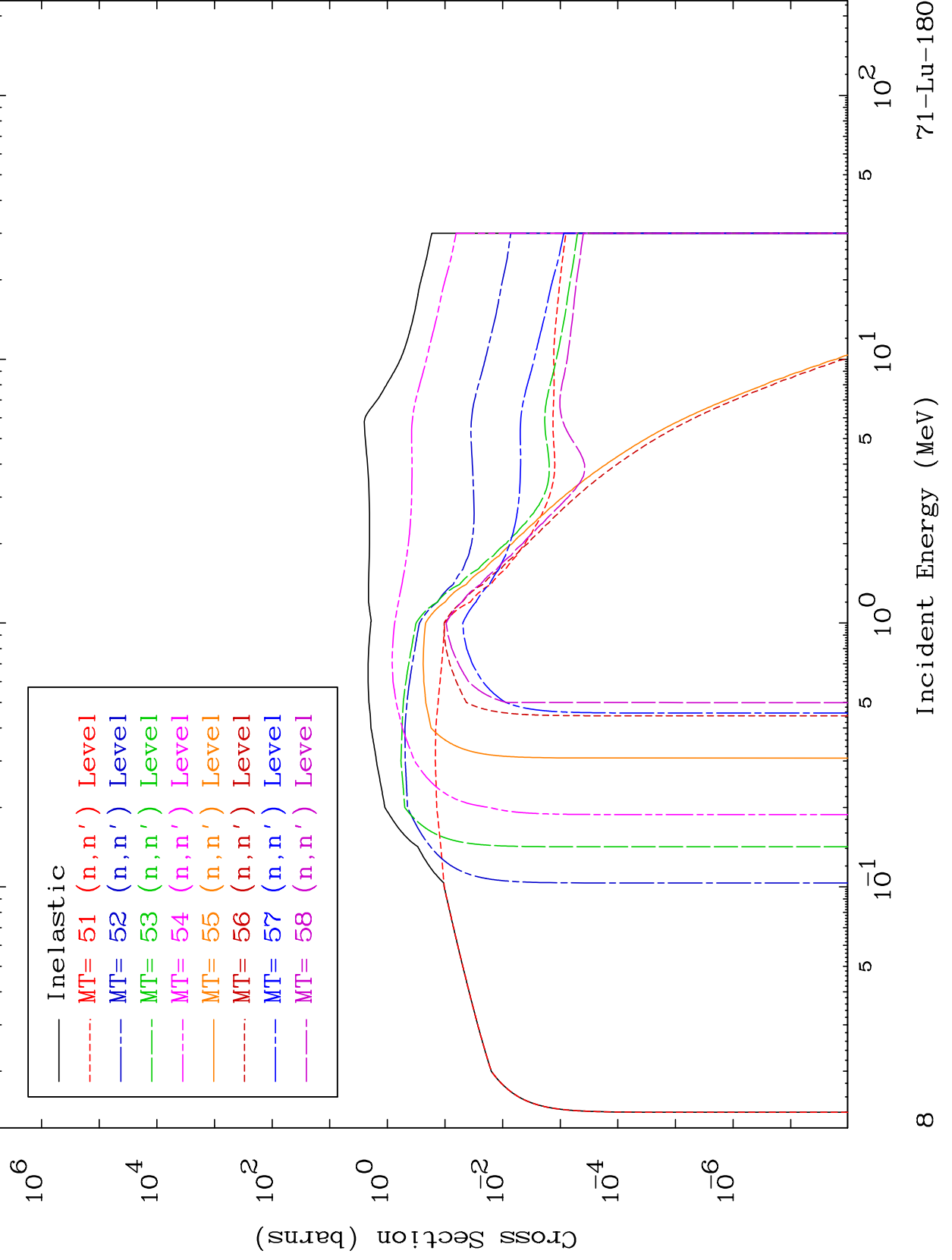
71-Lu-180



MAT 7140

(n,n') Levels
293 Kelvin Cross Sections

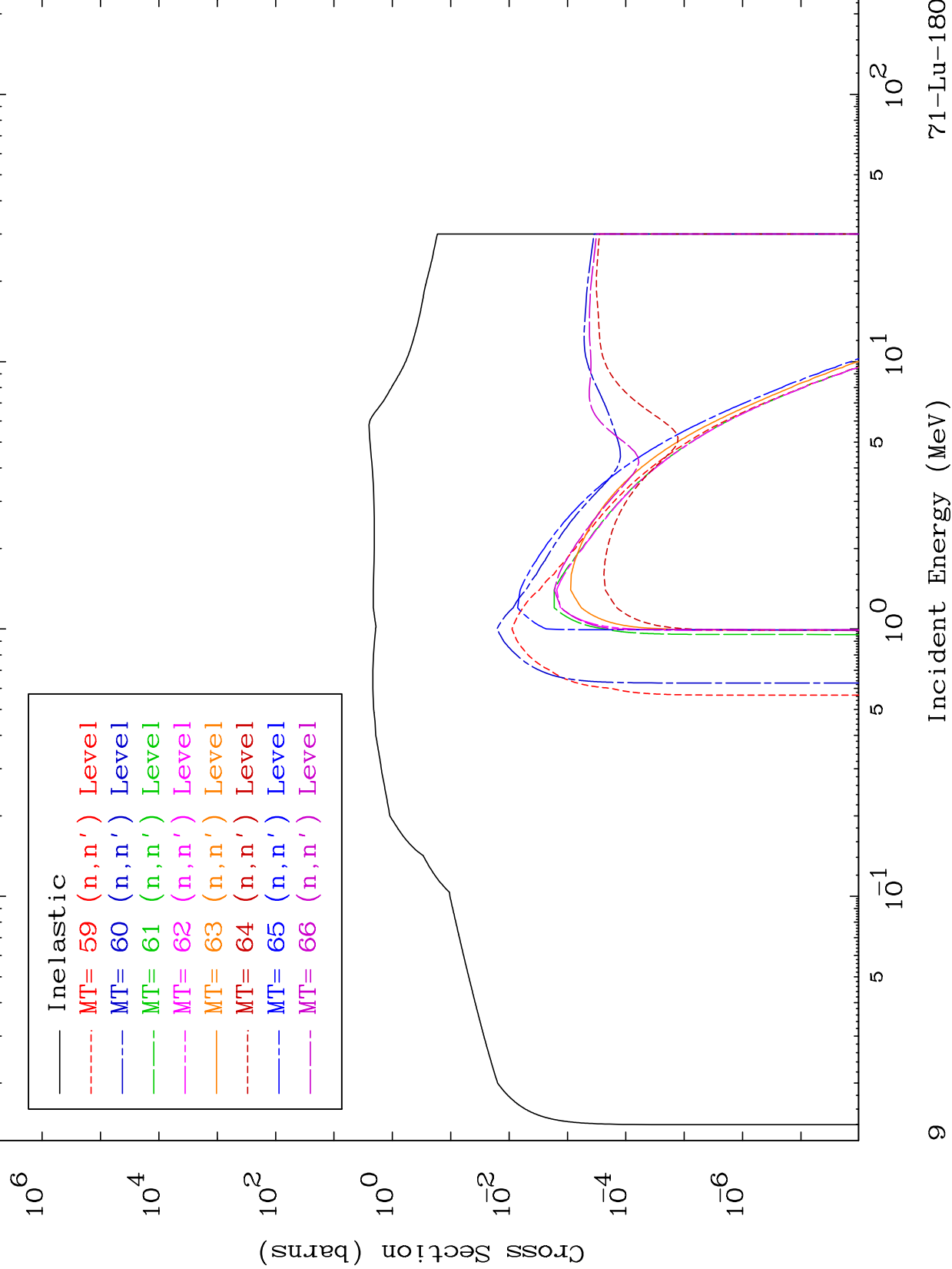
71-Lu-180



MAT 7140

293 Kelvin Cross Sections
(n,n') Levels

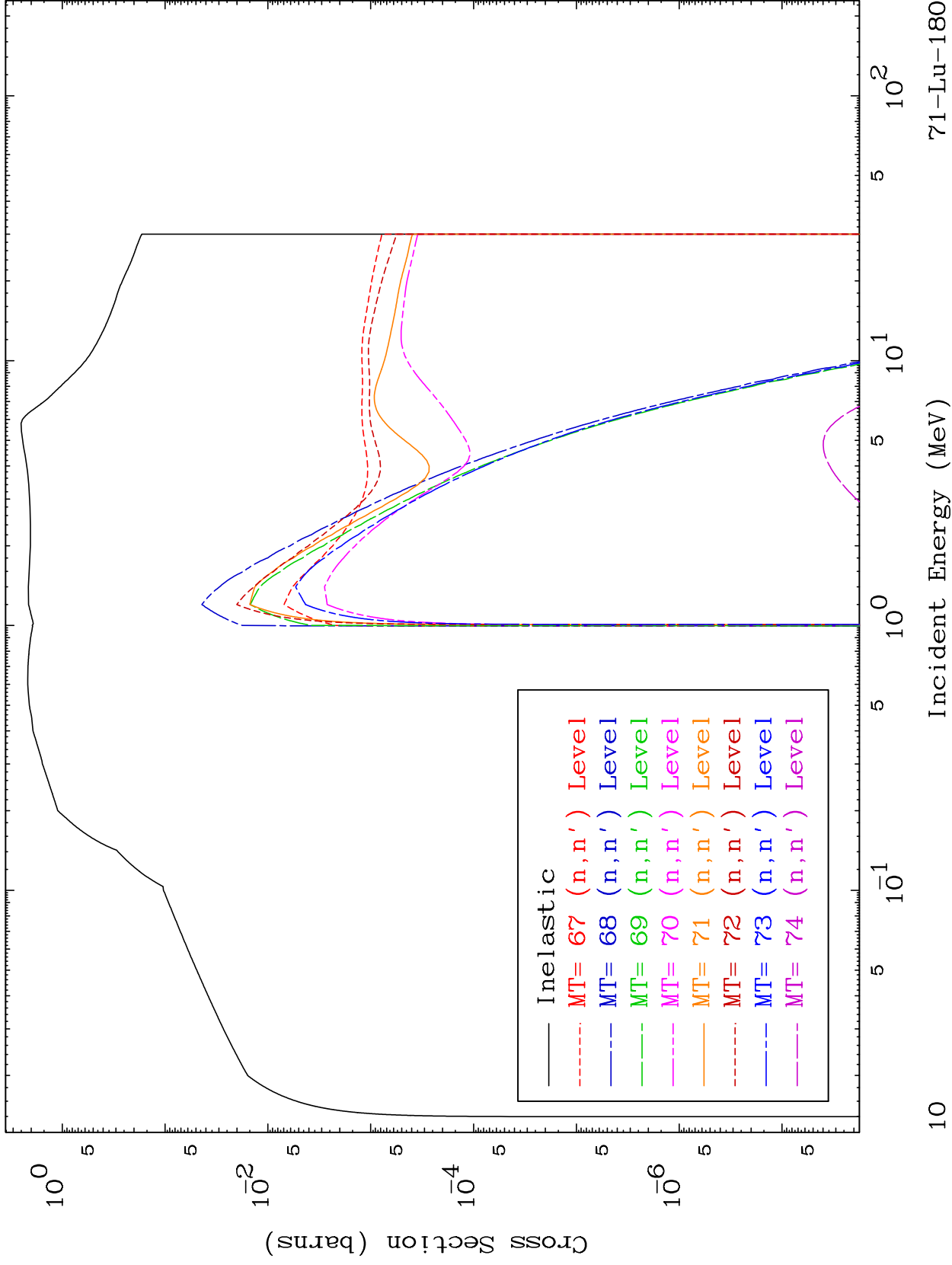
71-Lu-180



MAT 7140

293 Kelvin Cross Sections
(n,n') Levels

71-Lu-180



10

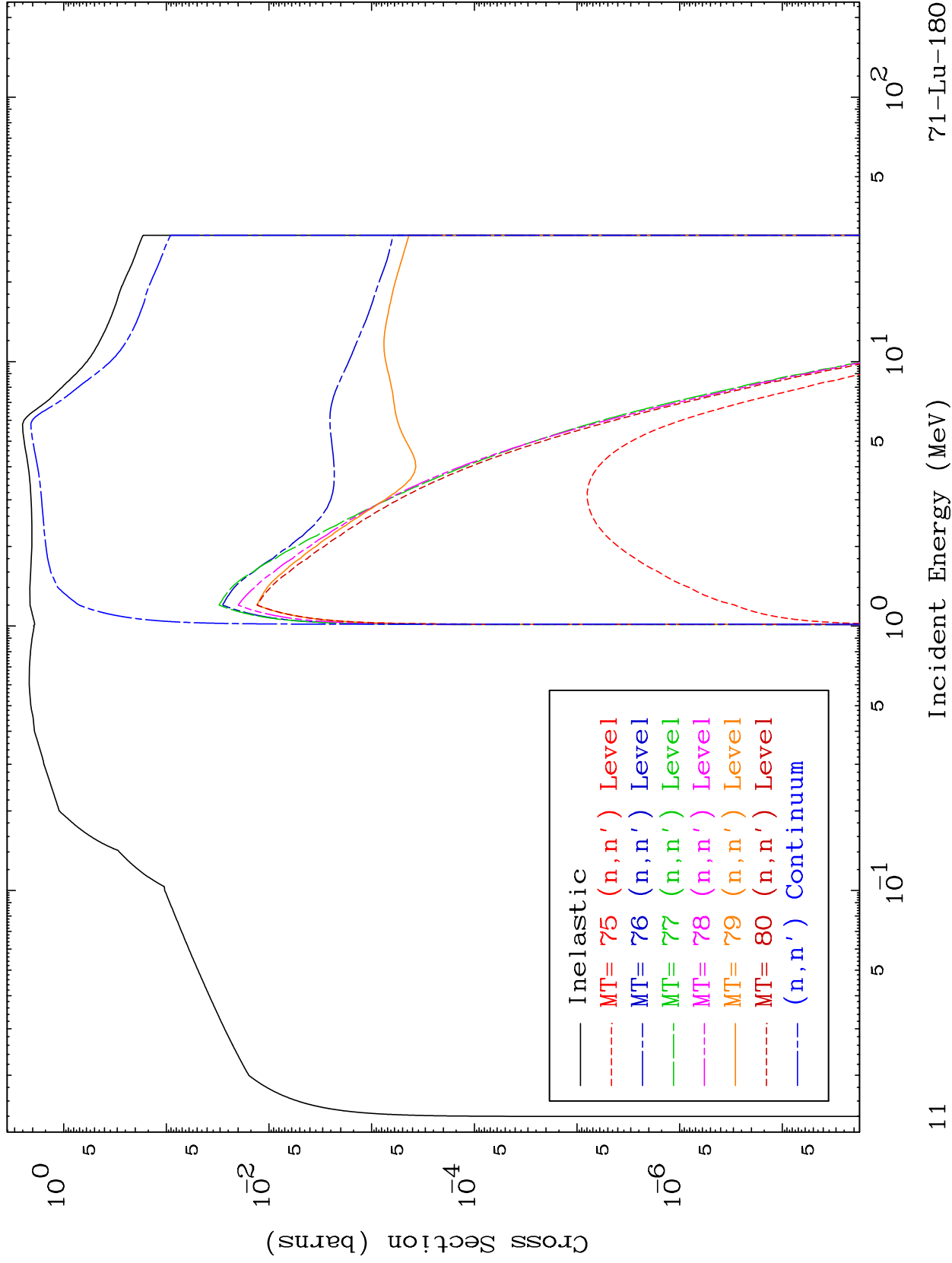
Incident Energy (MeV)

71-Lu-180

MAT 7140

71-Lu-180

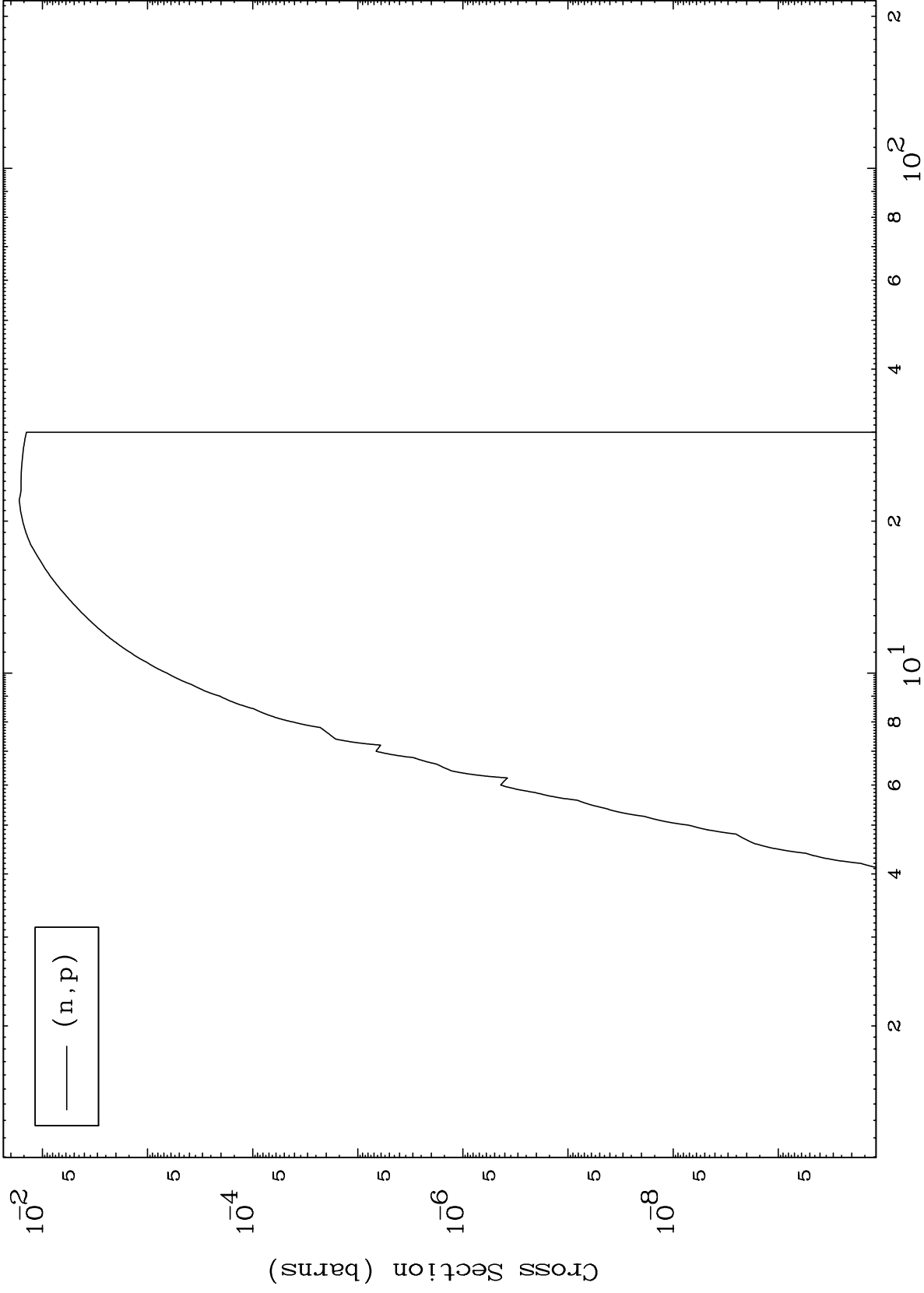
293 Kelvin Cross Sections
(n,n') Levels



MAT 7140

(n,p) Levels
293 Kelvin Cross Sections

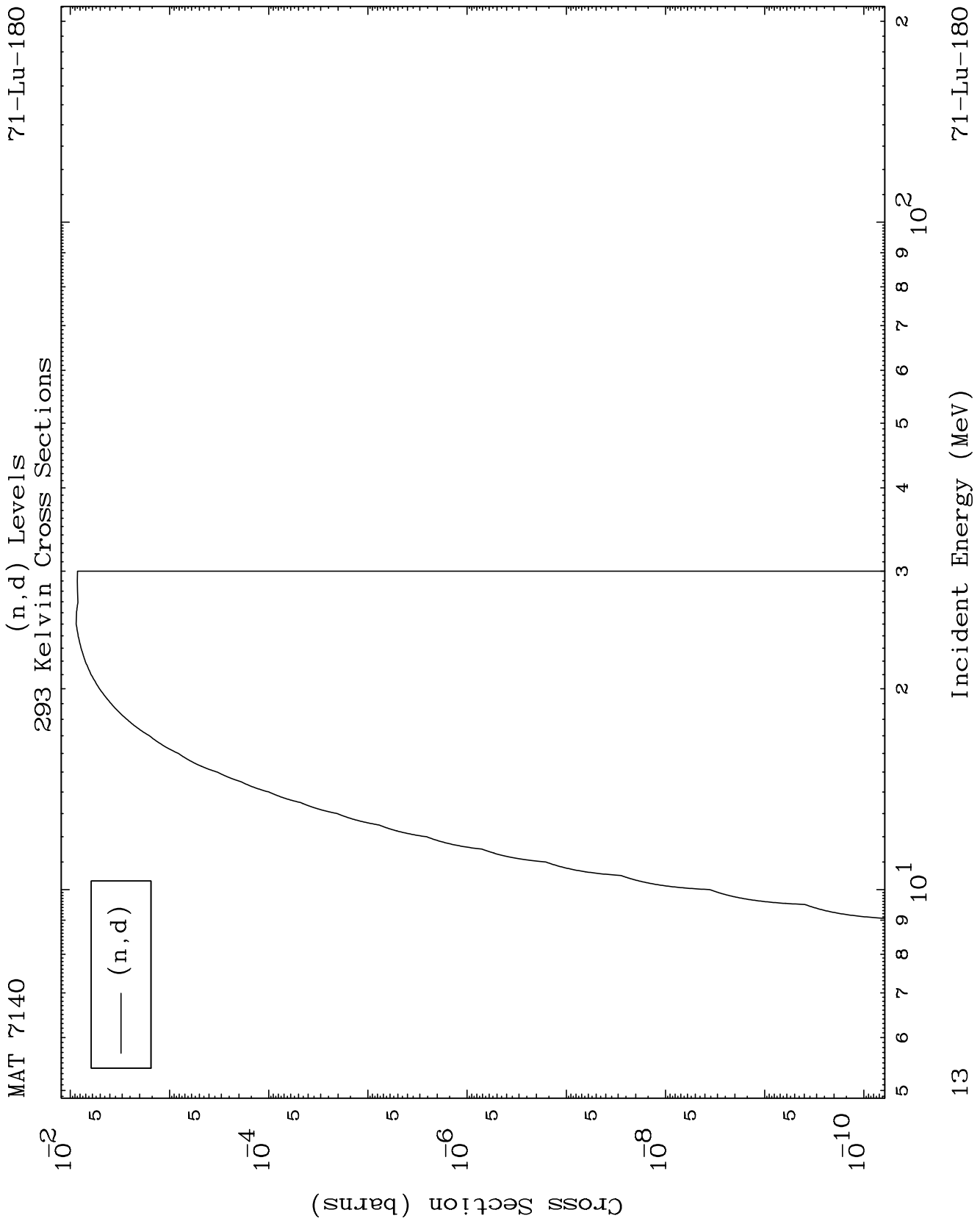
71-Lu-180



12

Incident Energy (MeV)

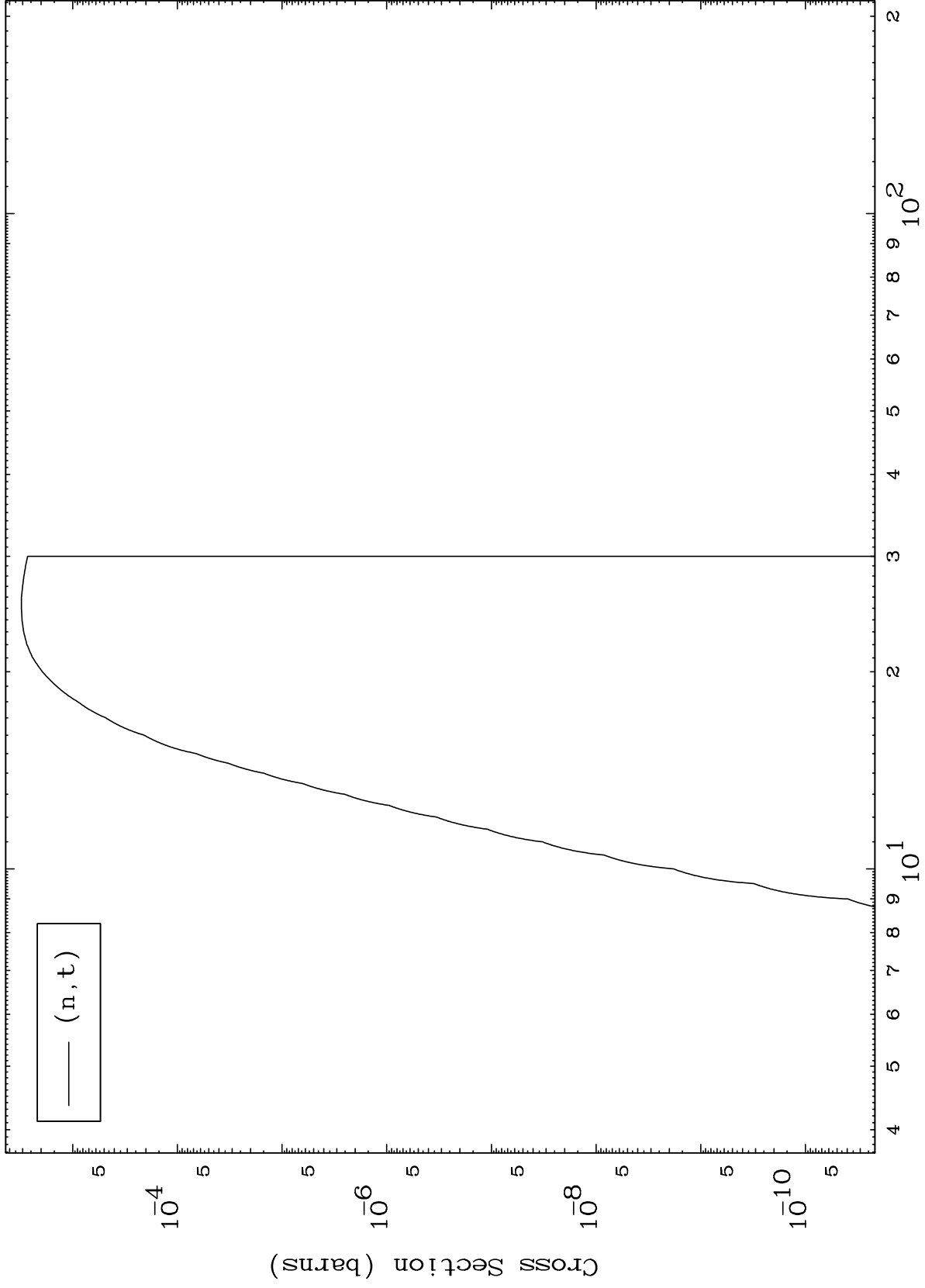
71-Lu-180



MAT 7140

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-180



14

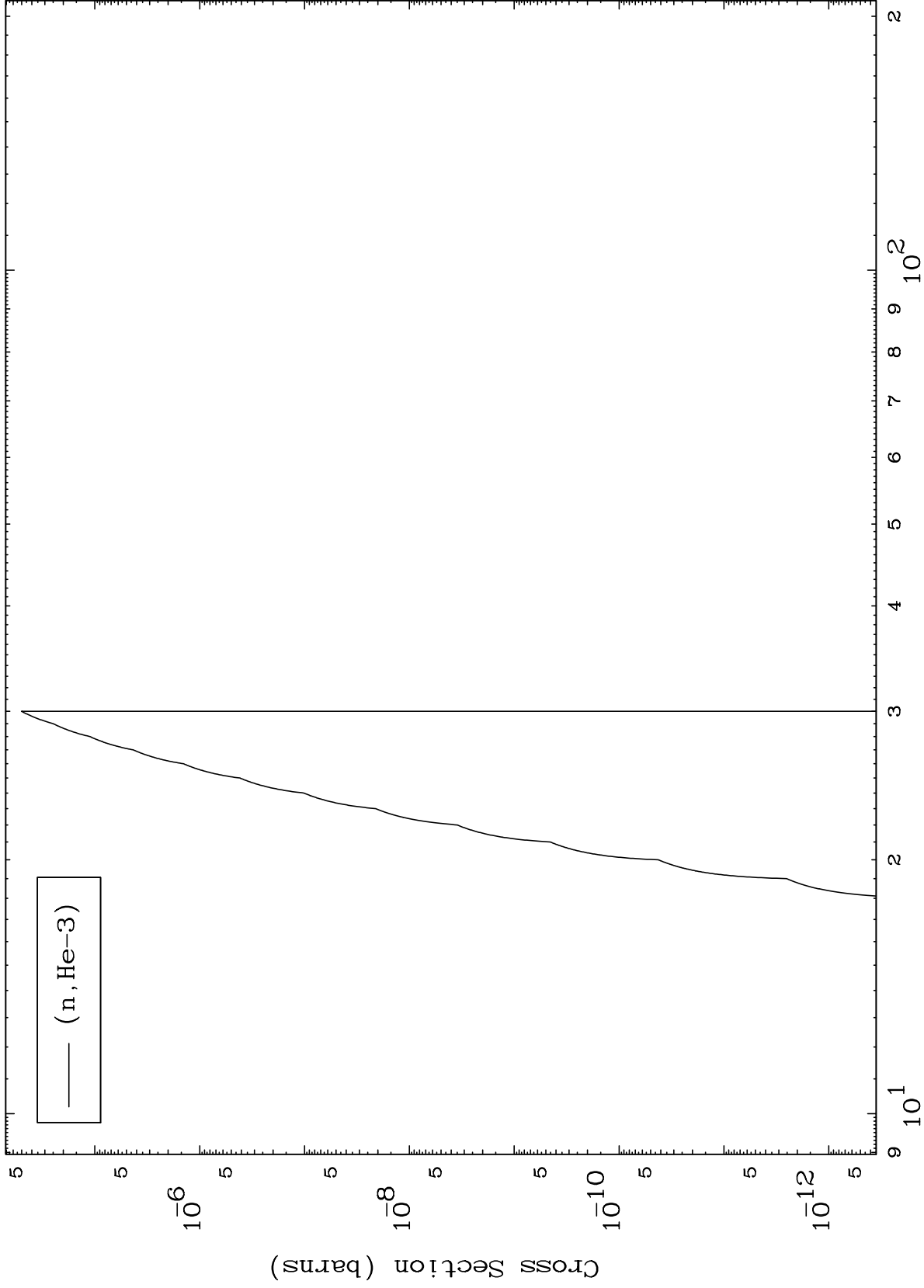
Incident Energy (MeV)

71-Lu-180

MAT 7140

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-180



15

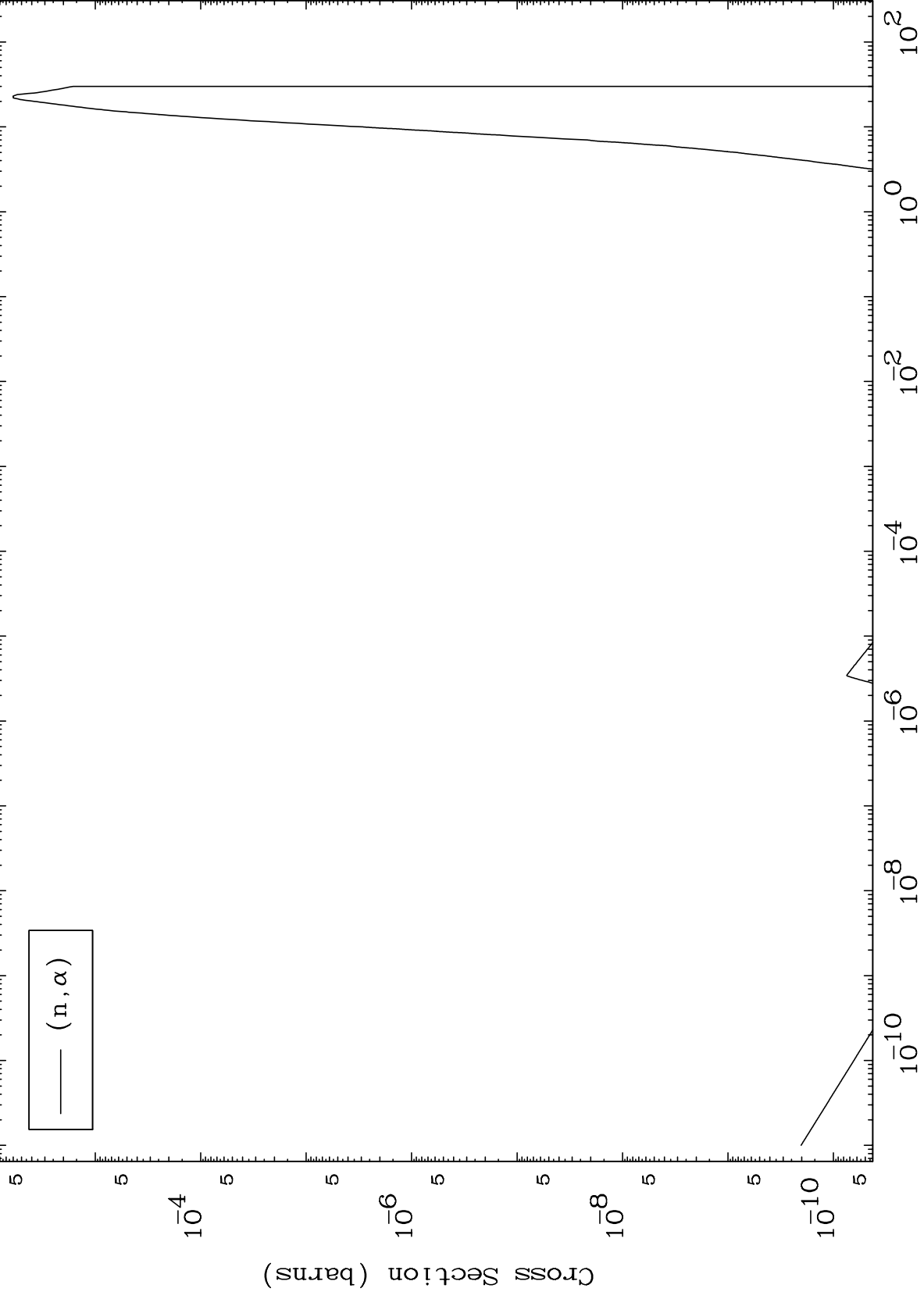
Incident Energy (MeV)

71-Lu-180

MAT 7140

(n, α) Levels
293 Kelvin Cross Sections

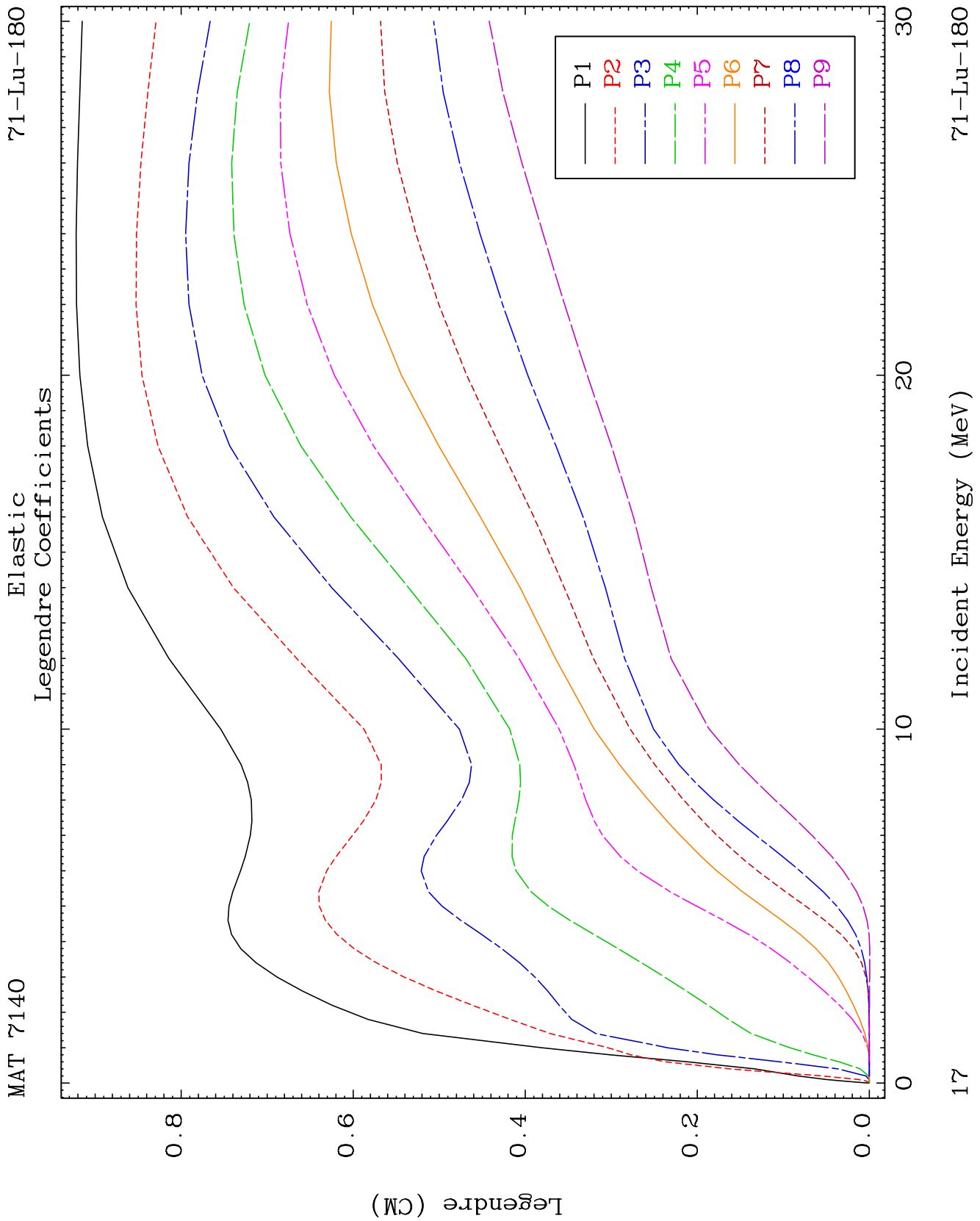
71-Lu-180



16

Incident Energy (MeV)

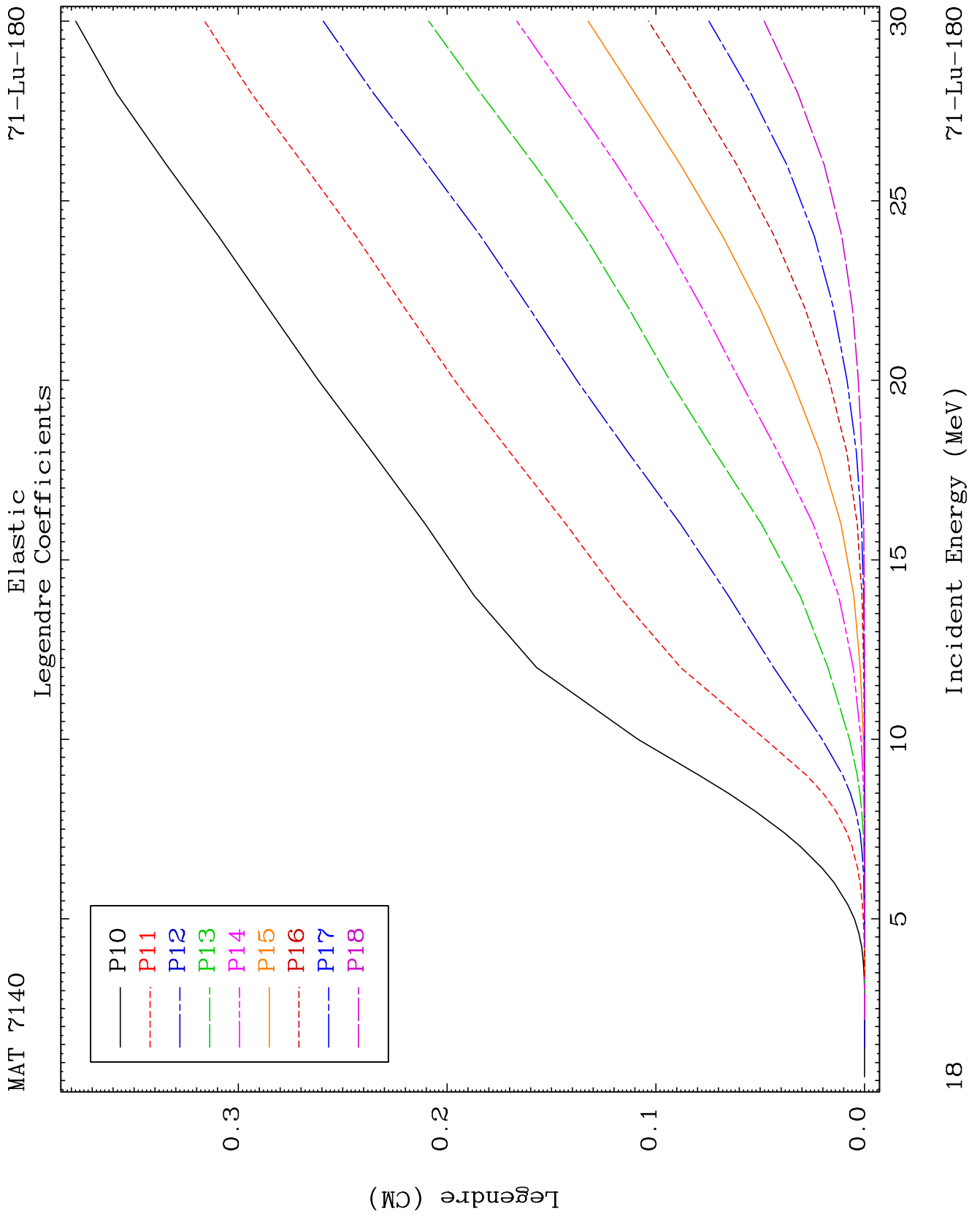
71-Lu-180



71-Lu-180

Incident Energy (MeV)

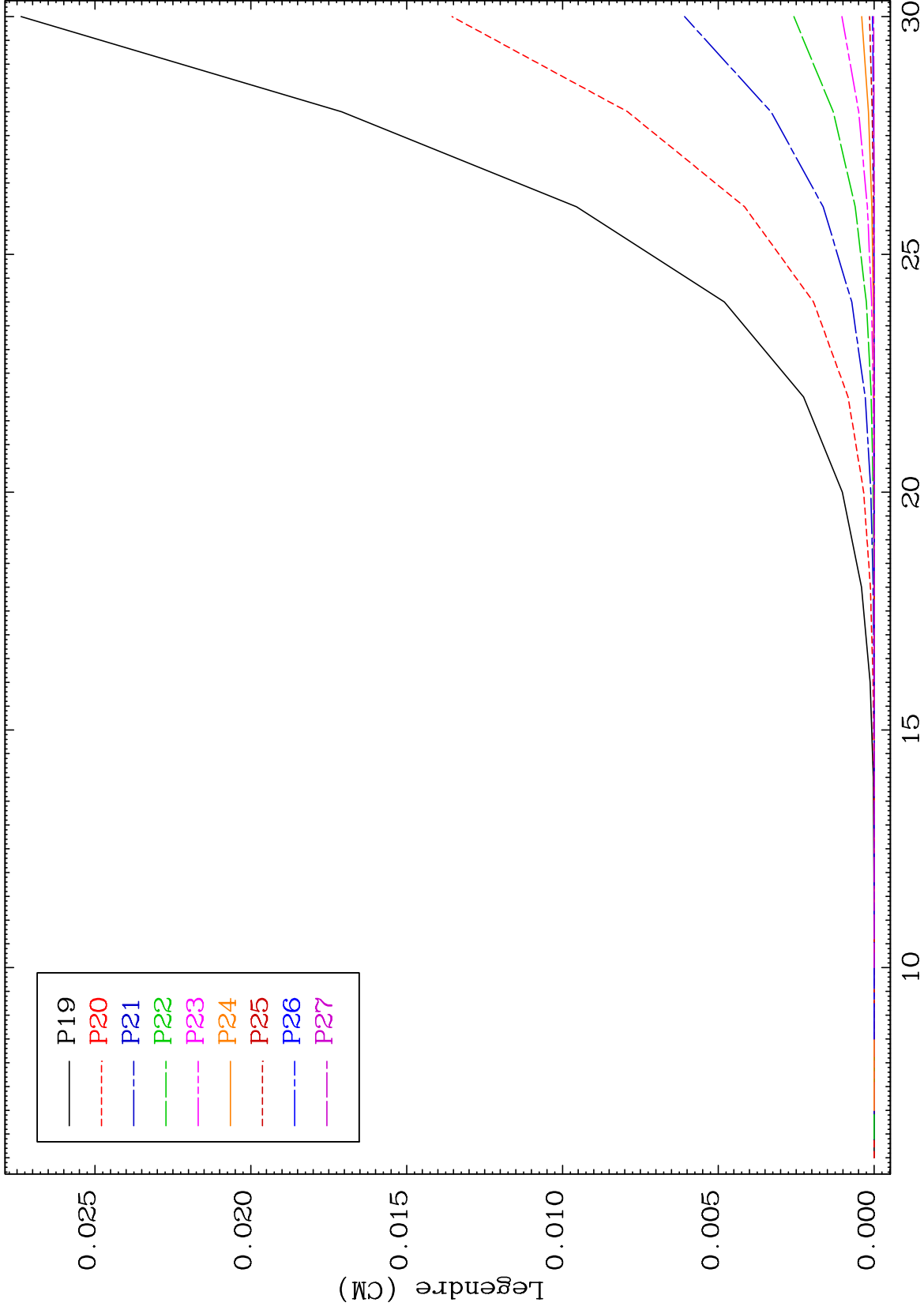
17



MAT 7140

Elastic Legendre Coefficients

71-Lu-180



19

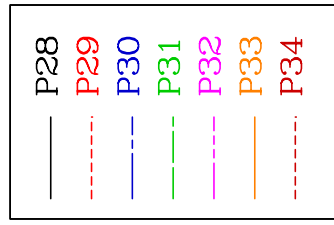
Incident Energy (MeV)

71-Lu-180

MAT 7140

Elastic
Legendre Coefficients

71-Lu-180



$\times 10^{-6}$

Legendre (CM)

4

2

0

15

20

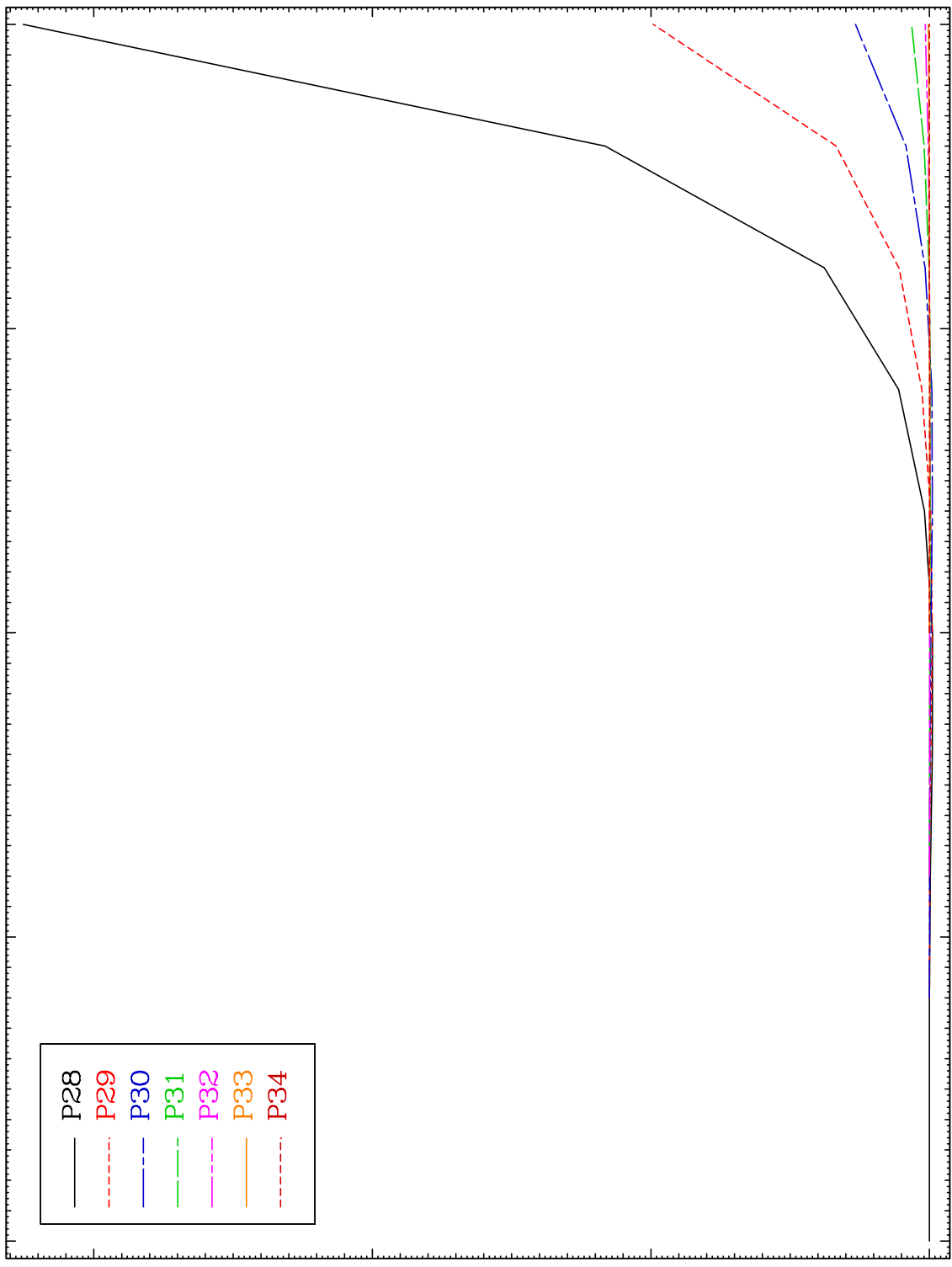
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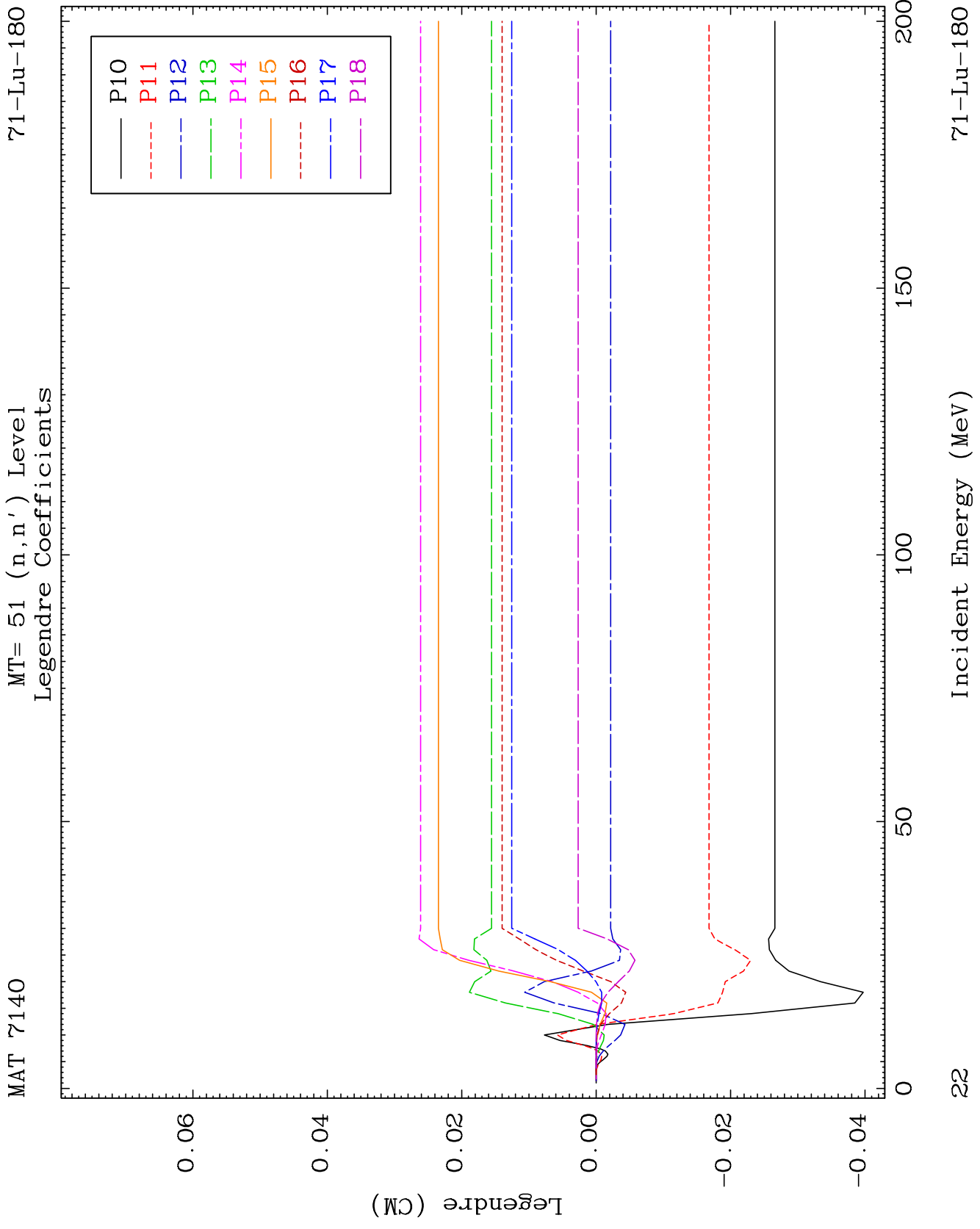
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20

Incident Energy (MeV)

71-Lu-180

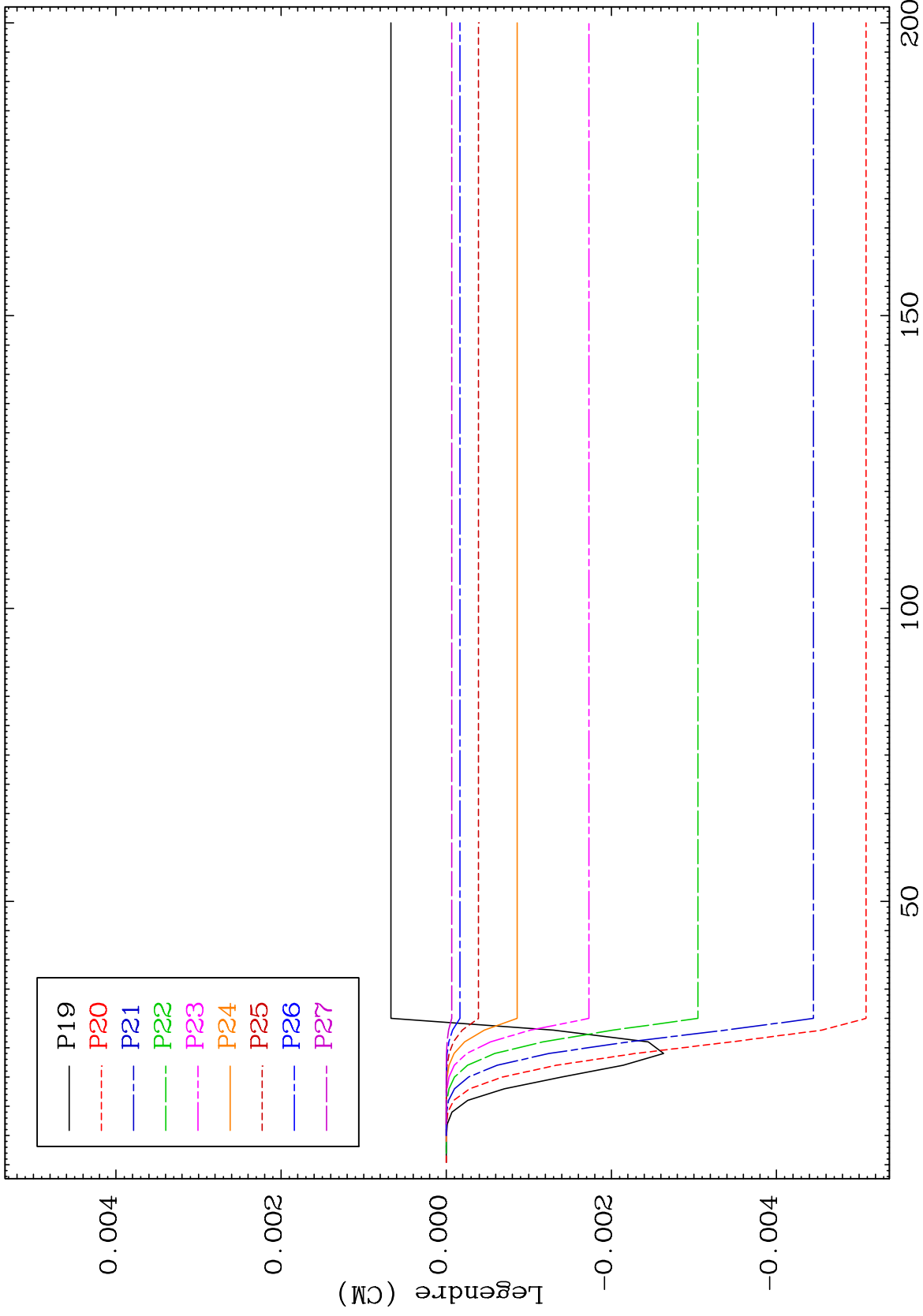


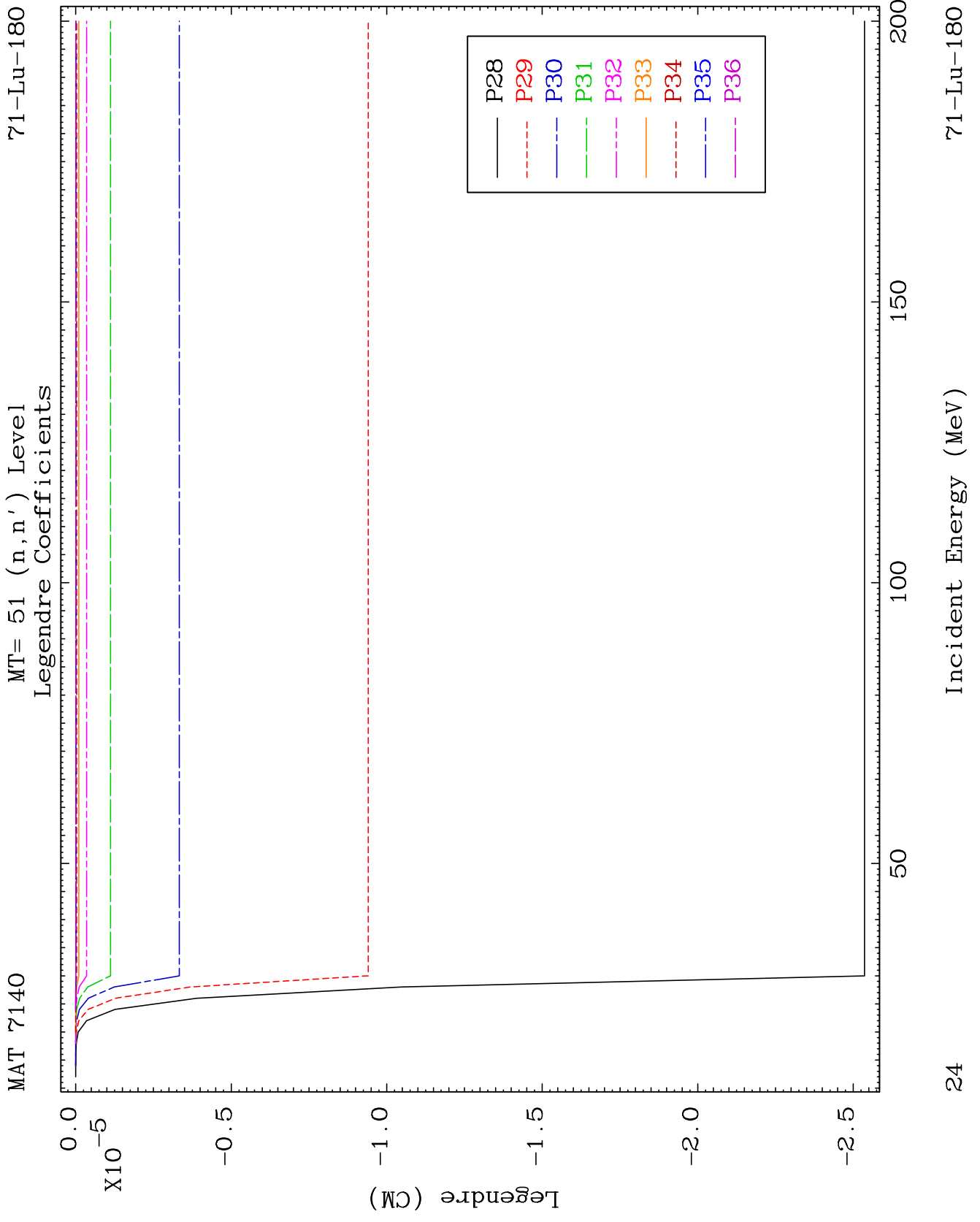


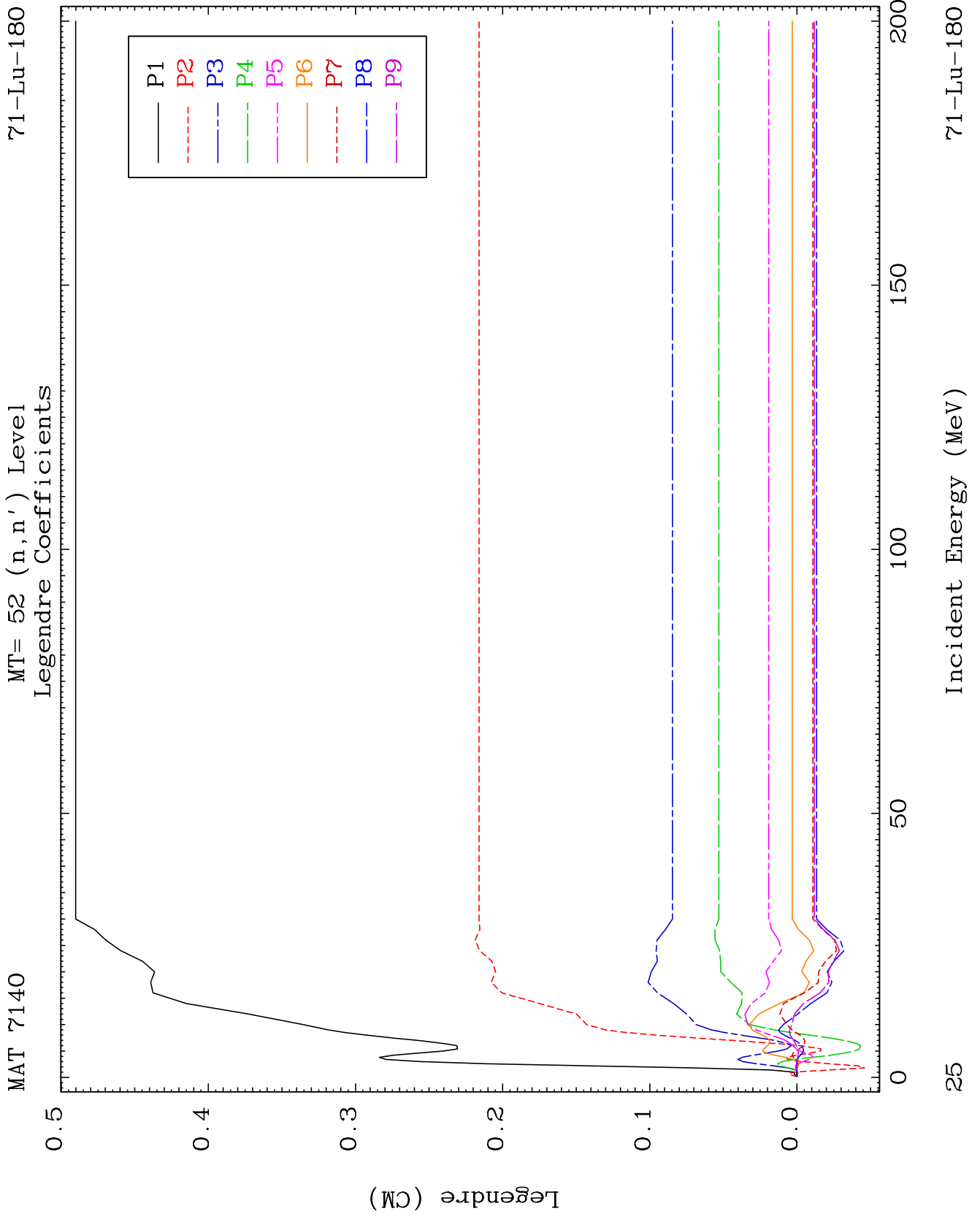
MAT 7140

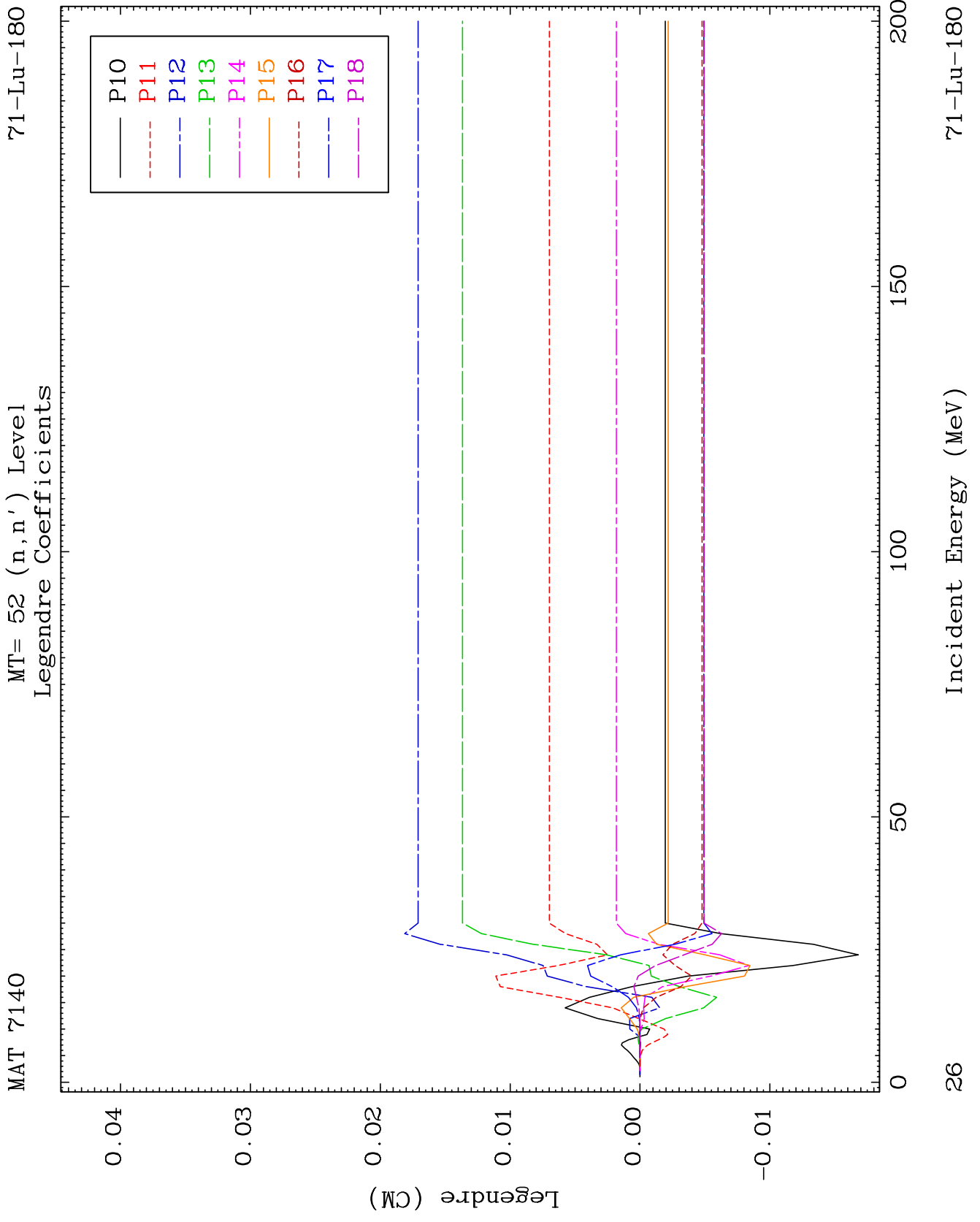
MT= 51 (n,n') Level
Legendre Coefficients

71-Lu-180





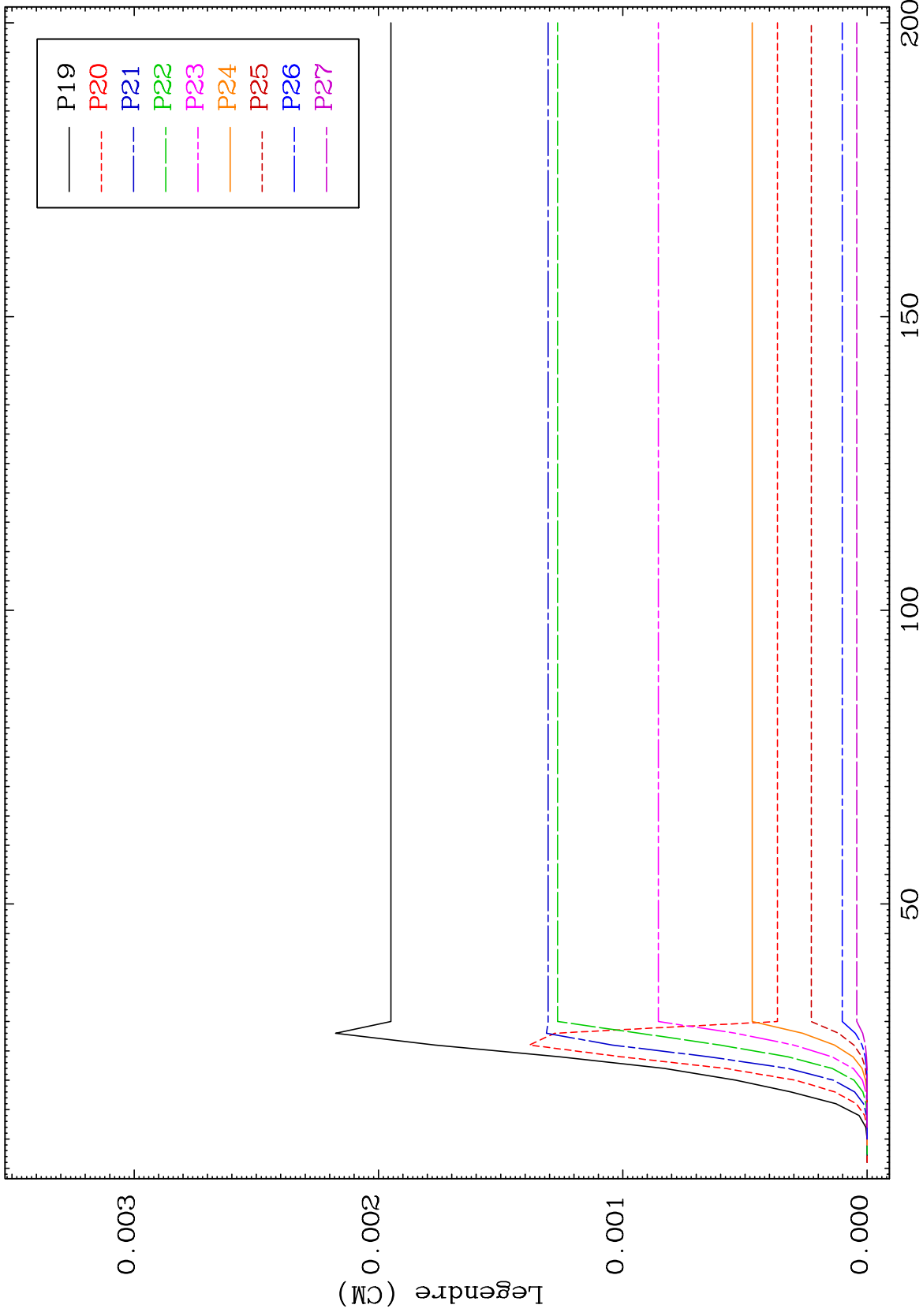




MAT 7140

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

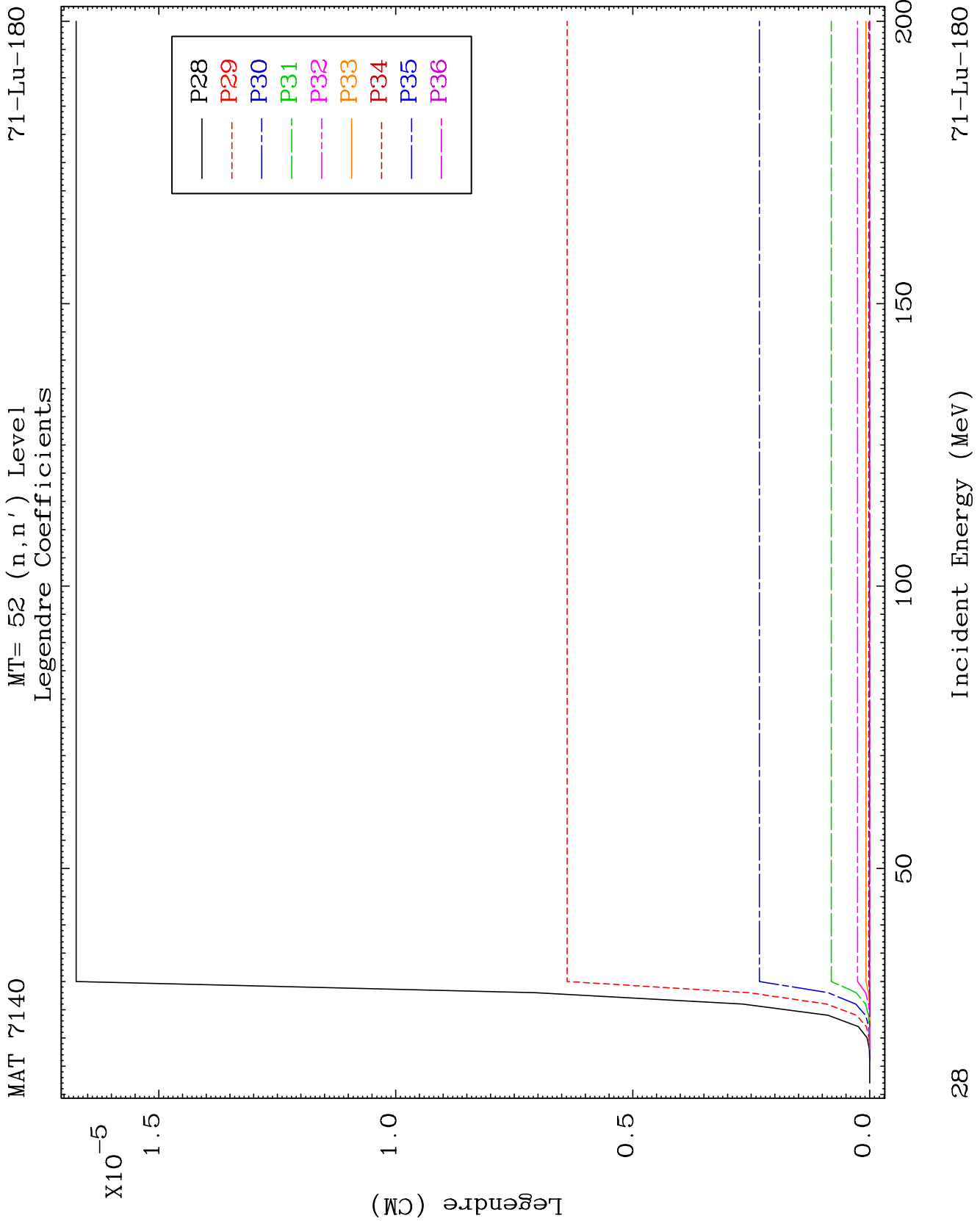
71-Lu-180



27

Incident Energy (MeV)

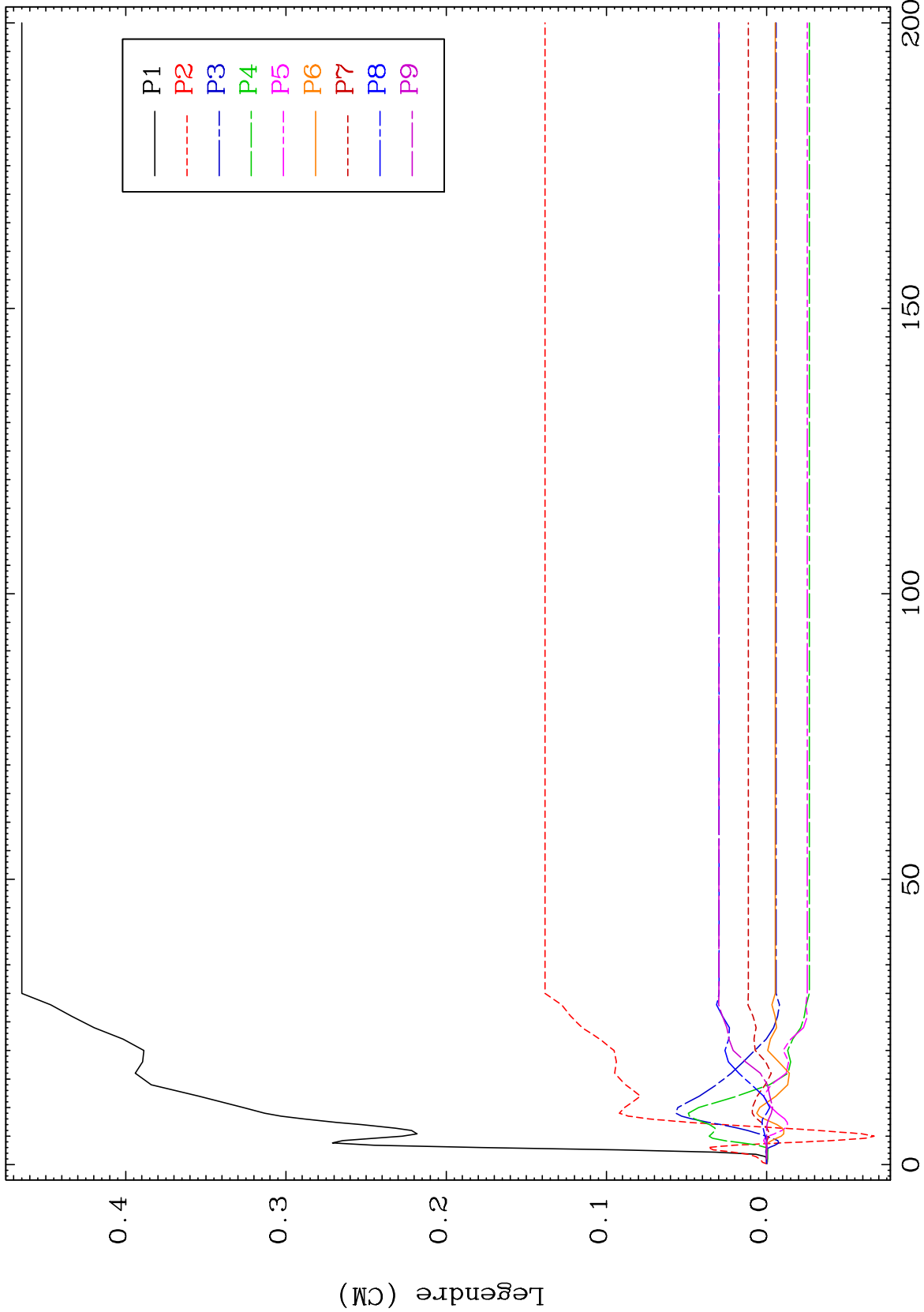
71-Lu-180



MAT 7140

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

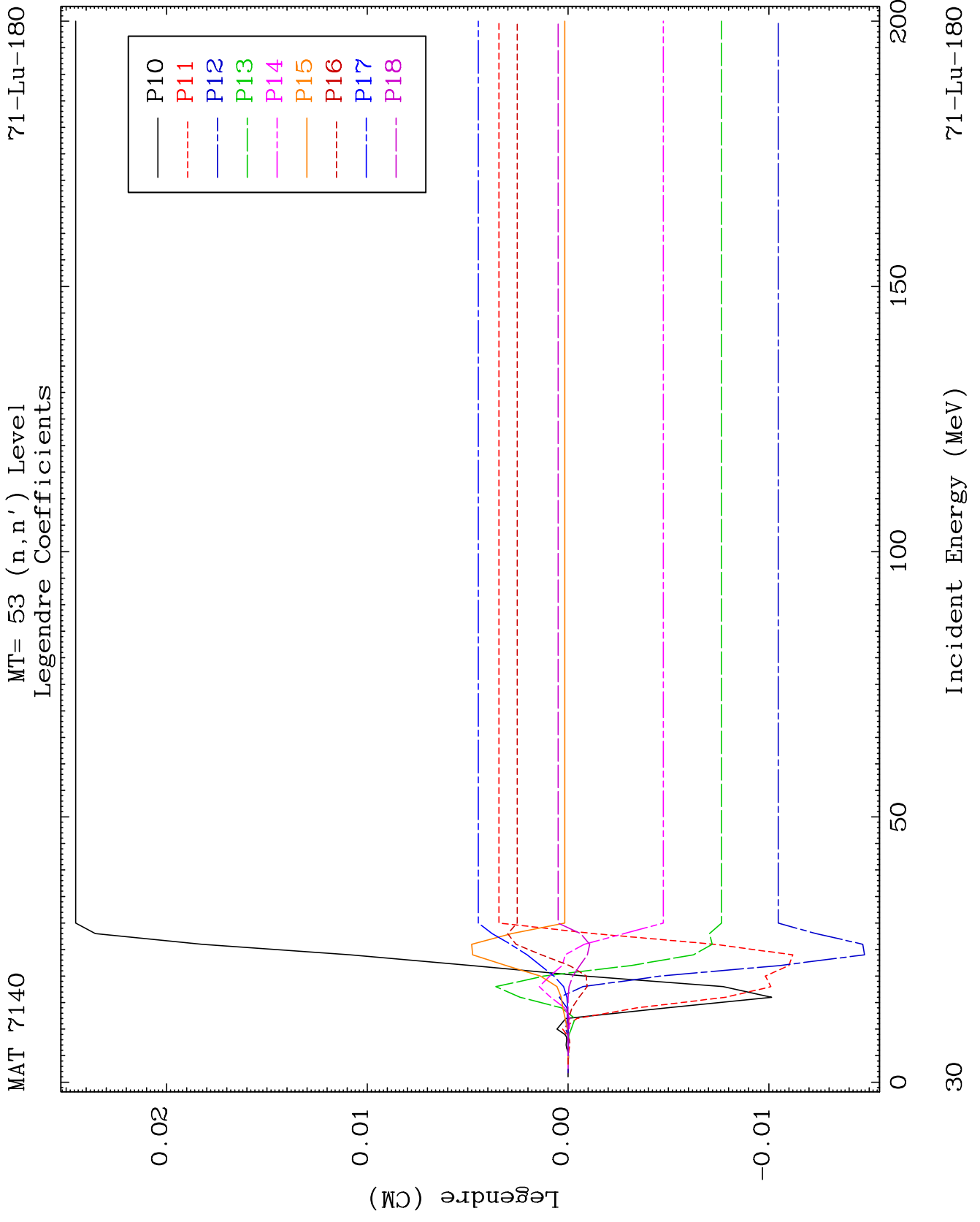
71-Lu-180



29

Incident Energy (MeV)

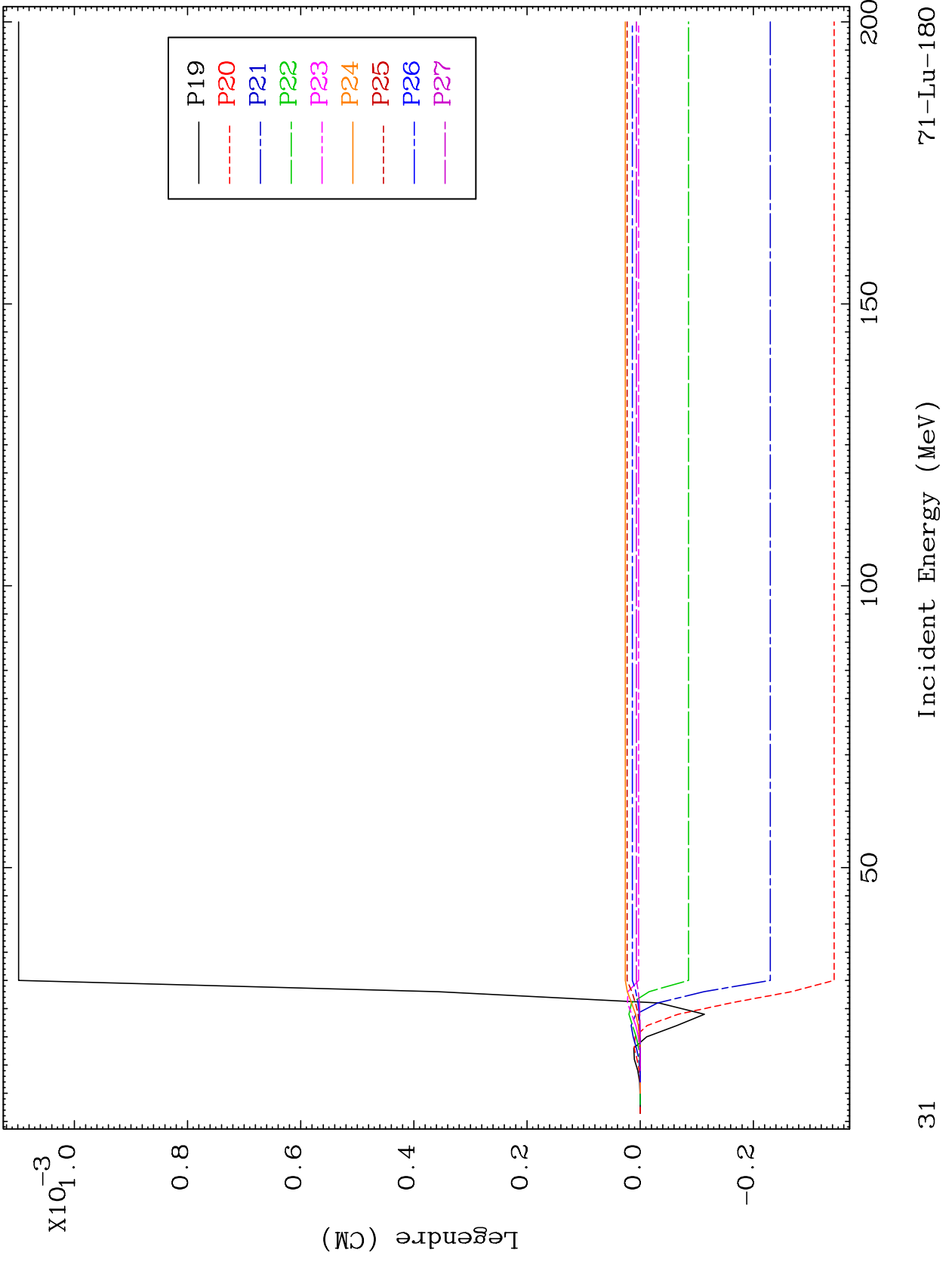
71-Lu-180



MAT 7140

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

71-Lu-180



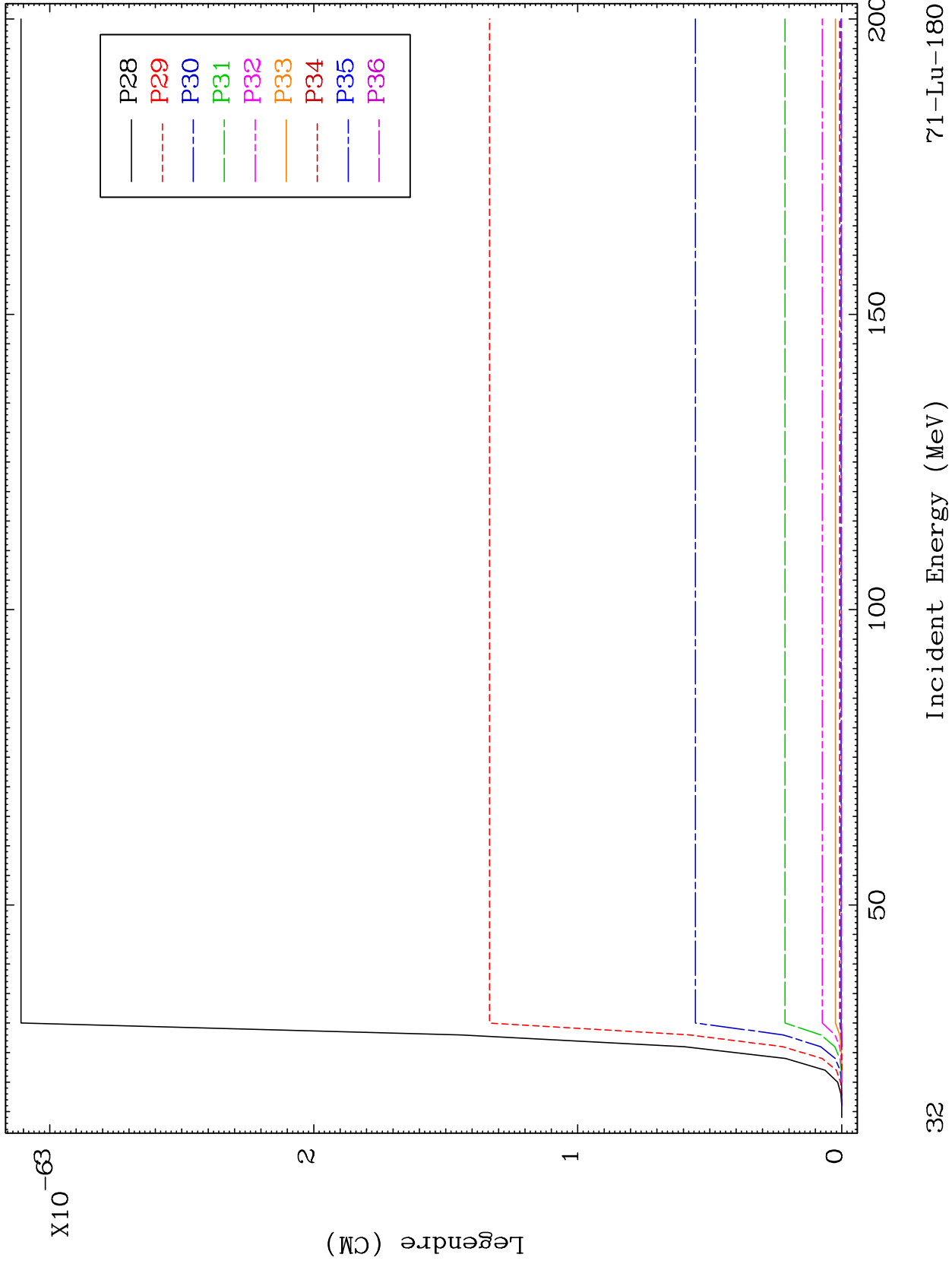
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71-Lu-180

MAT 7140

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

71-Lu-180



32

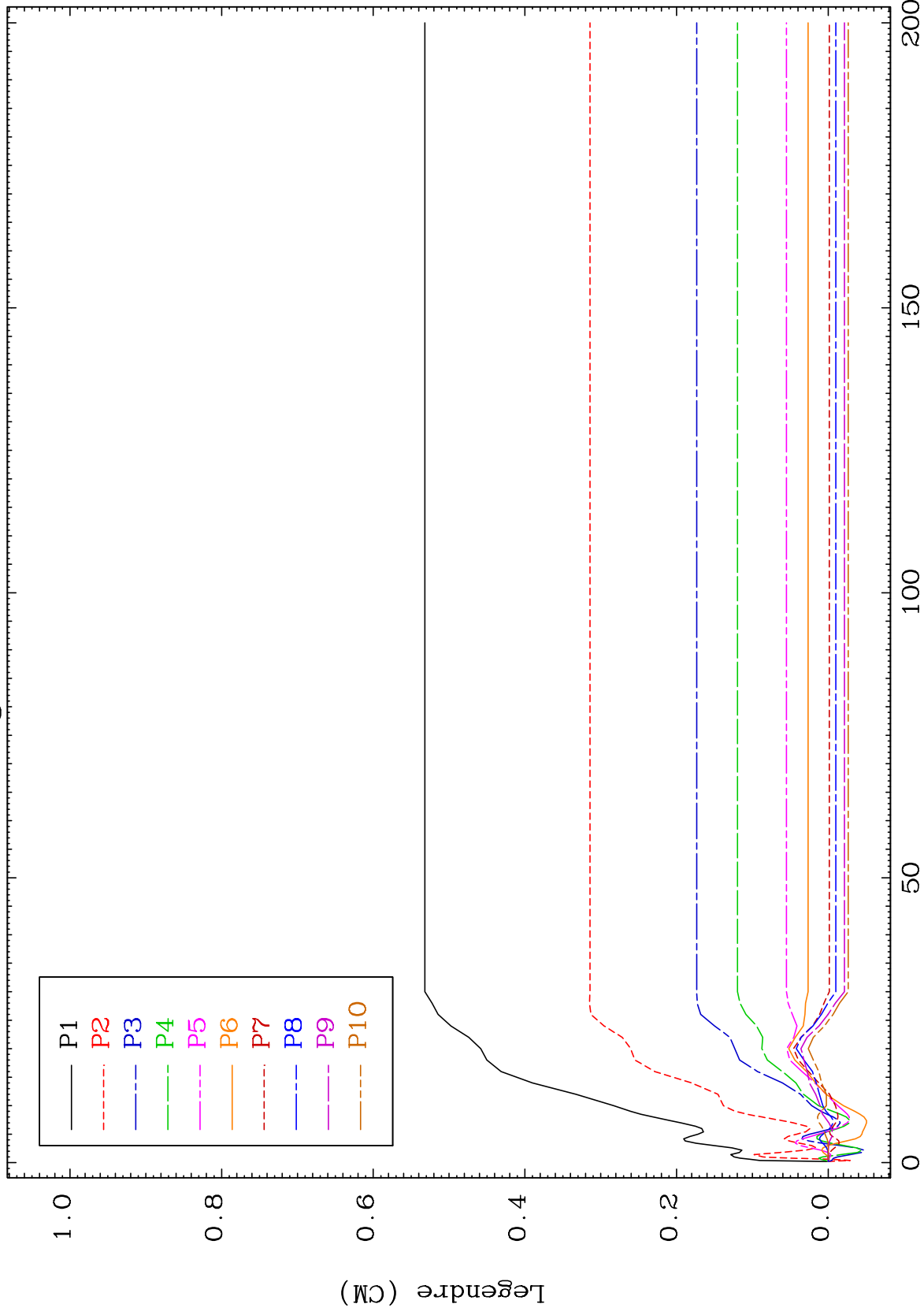
Incident Energy (MeV)

71-Lu-180

MAT 7140

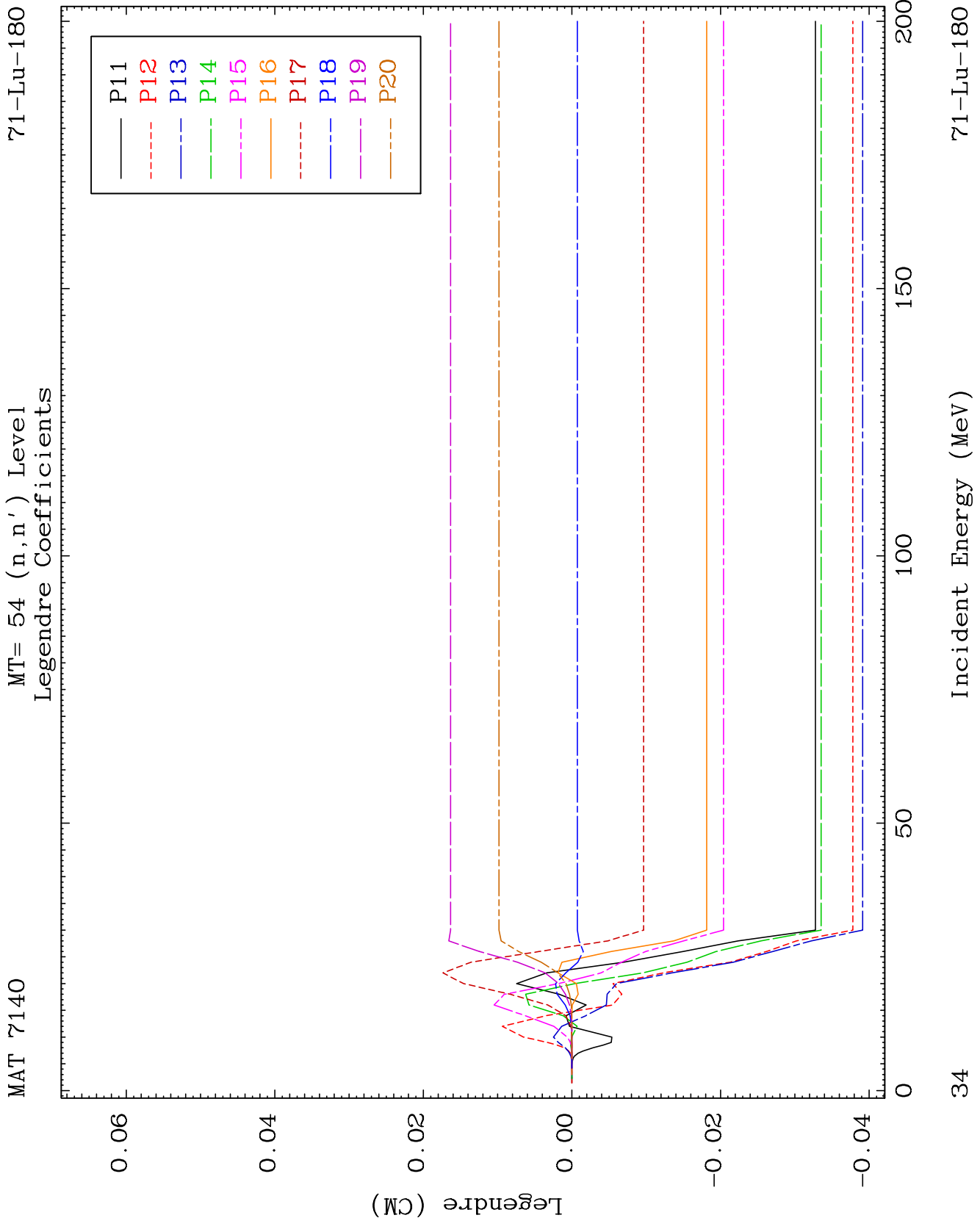
MT= 54 (n,n') Level
Legendre Coefficients

71-Lu-180



33

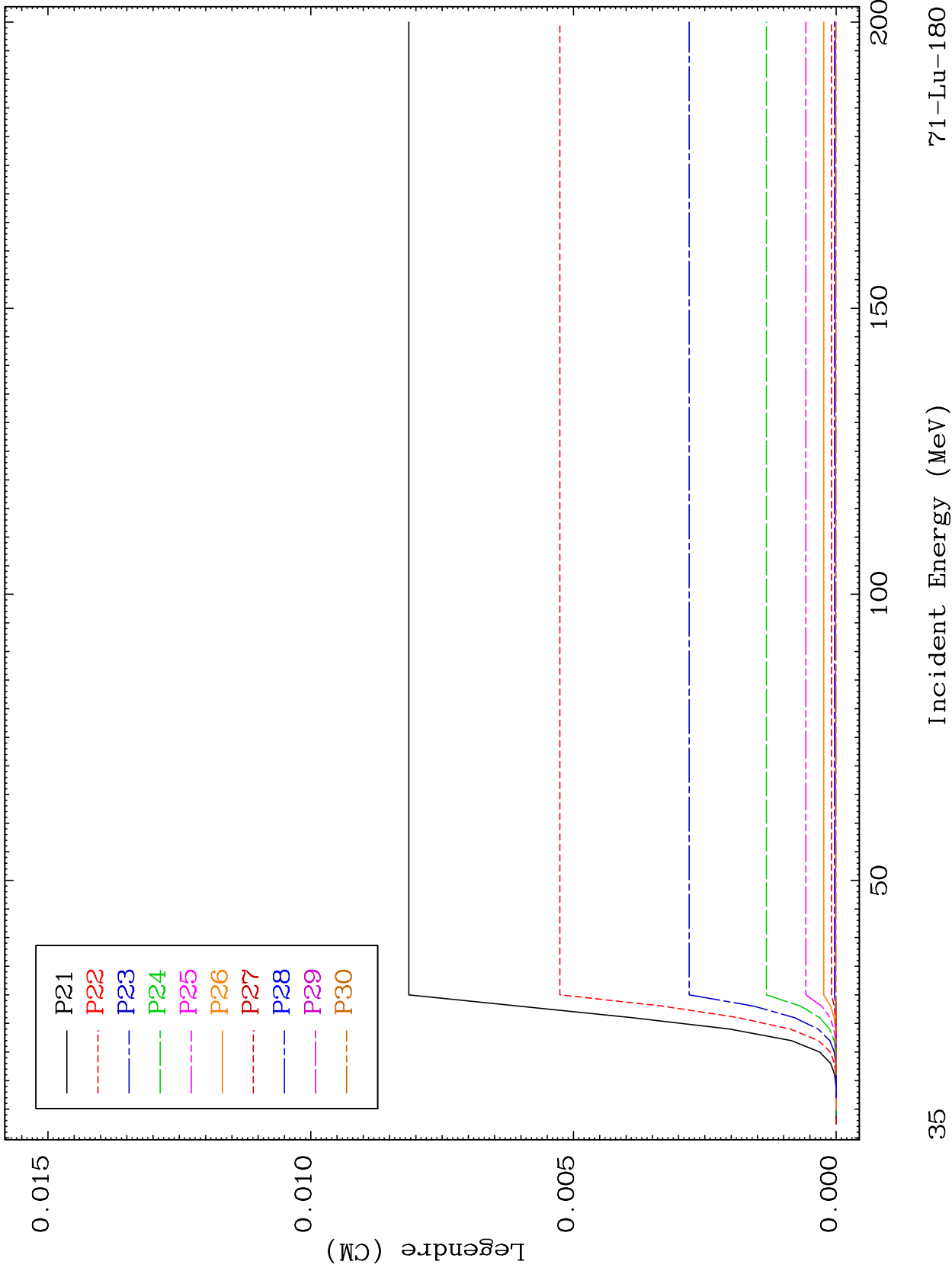
71-Lu-180



MAT 7140

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

71-Lu-180



35

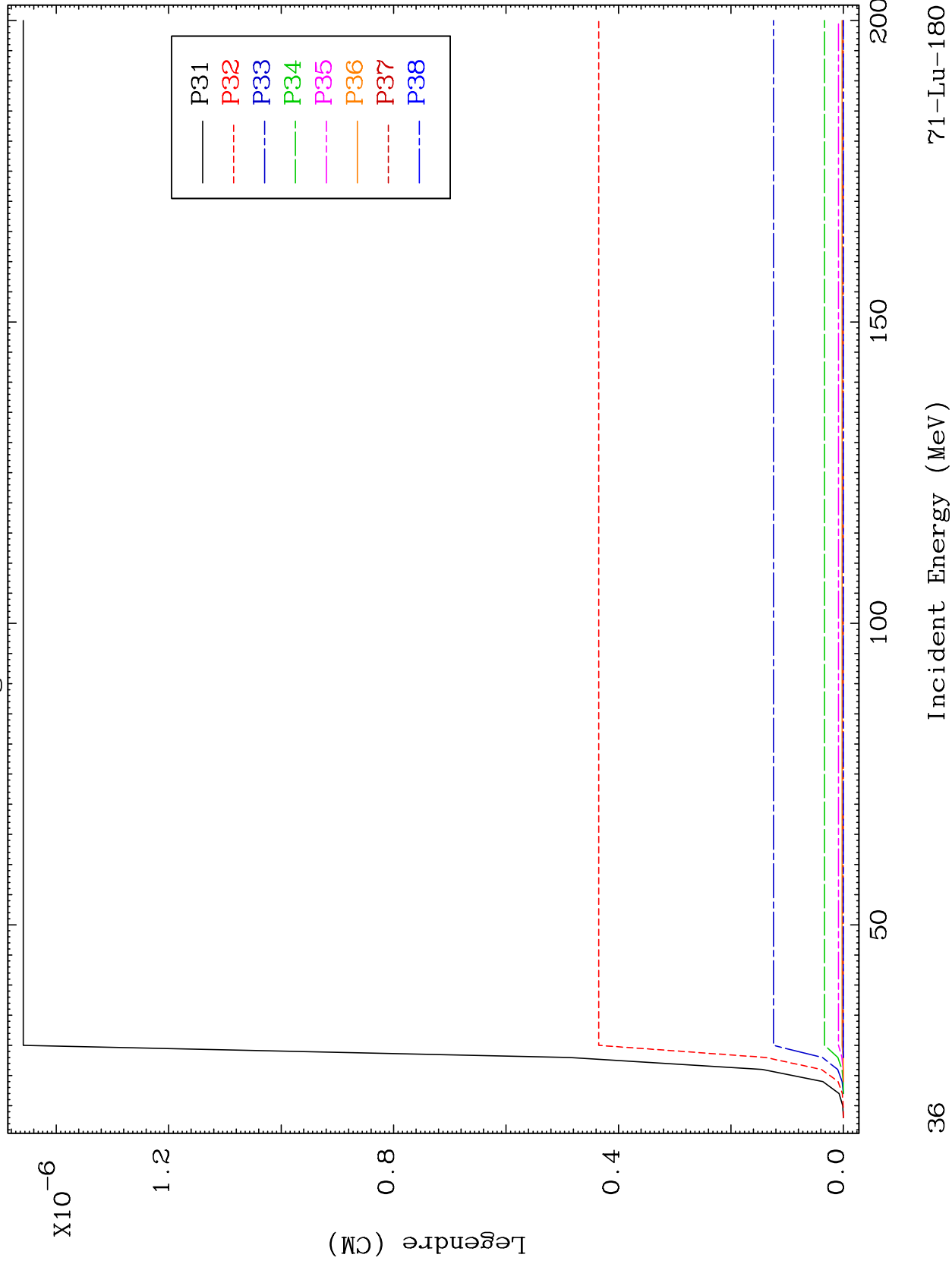
Incident Energy (MeV)

71-Lu-180

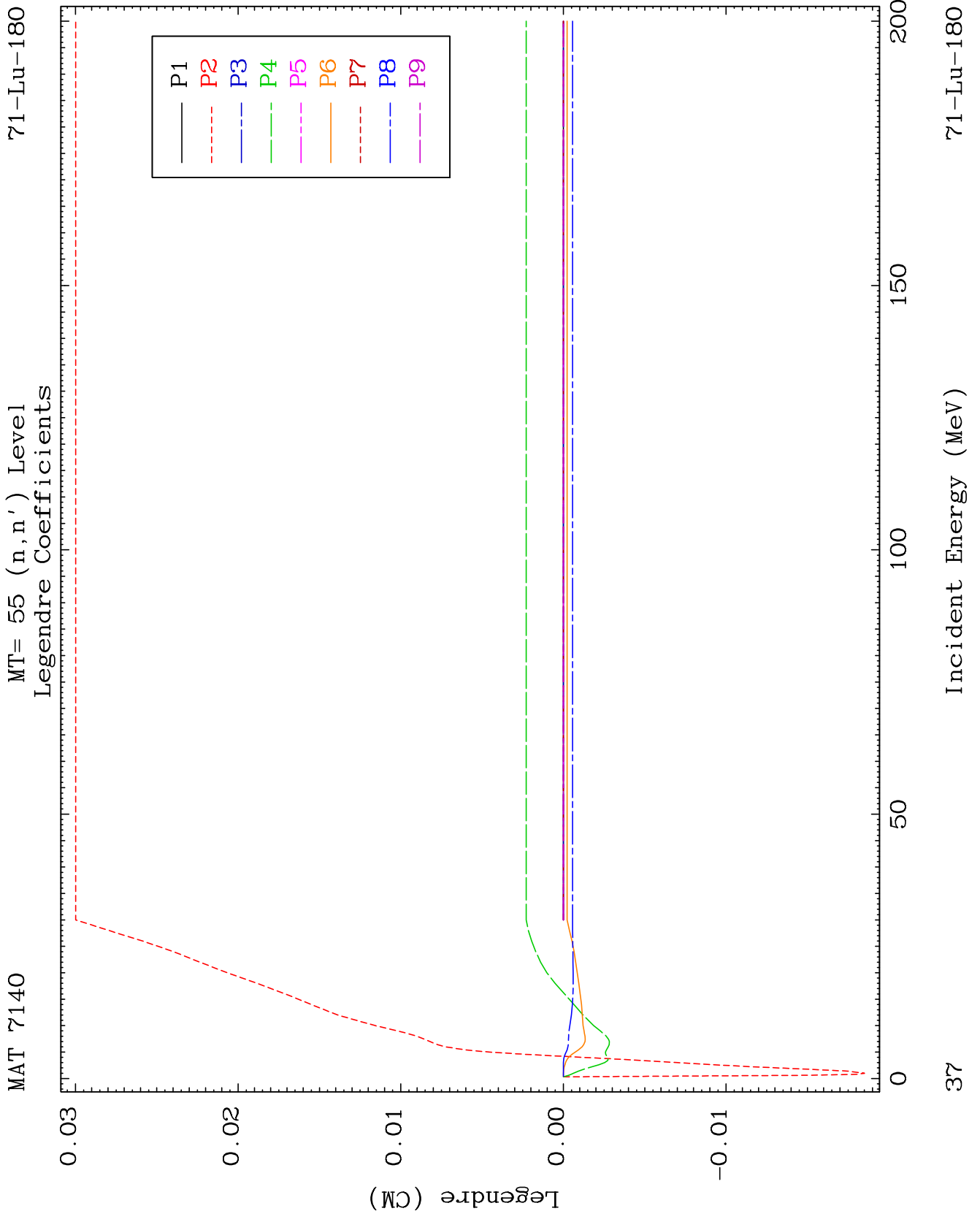
MAT 7140

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

71-Lu-180



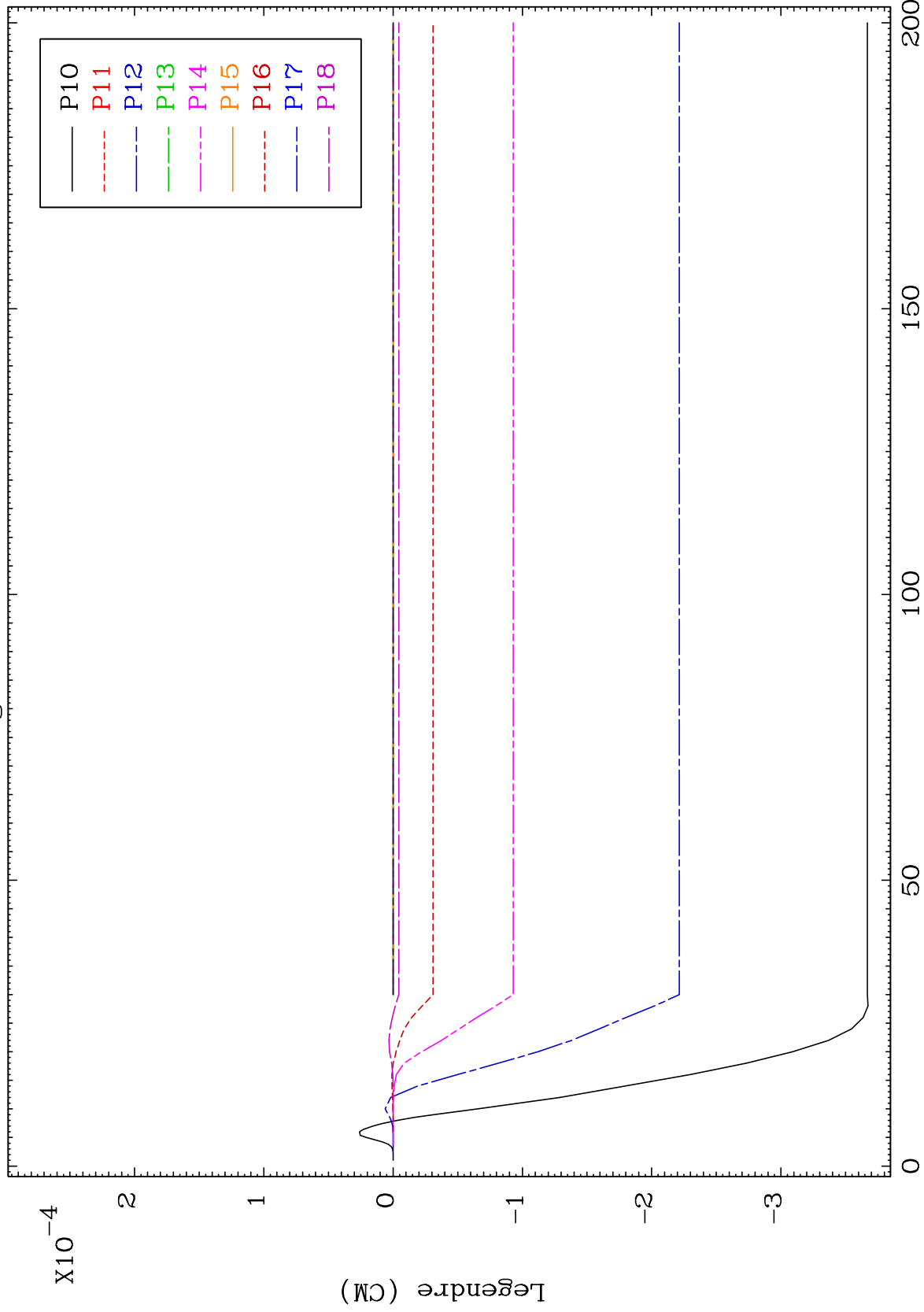
71-Lu-180



MAT 7140

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

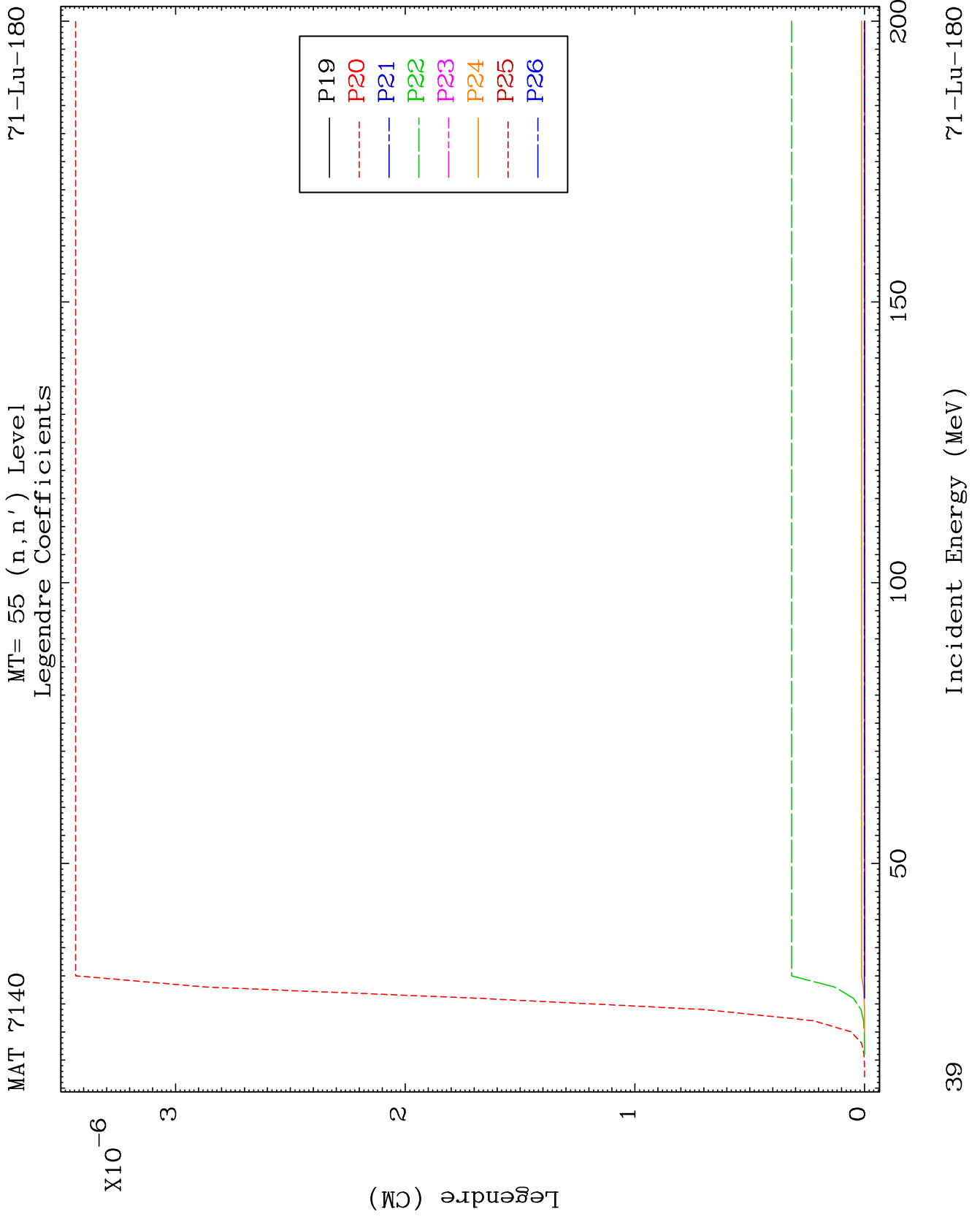
71-Lu-180



38

Incident Energy (MeV)

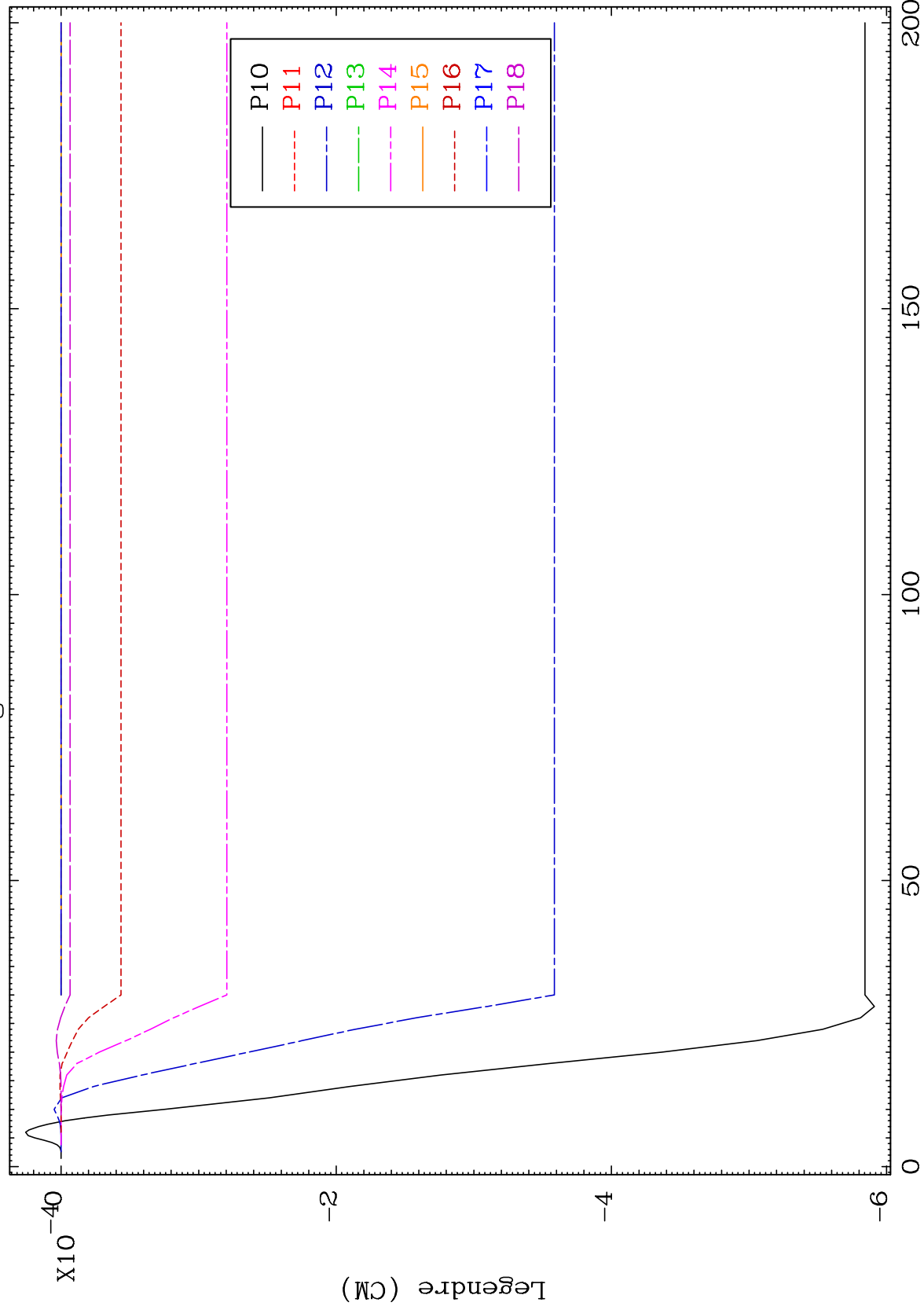
71-Lu-180



MAT 7140

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

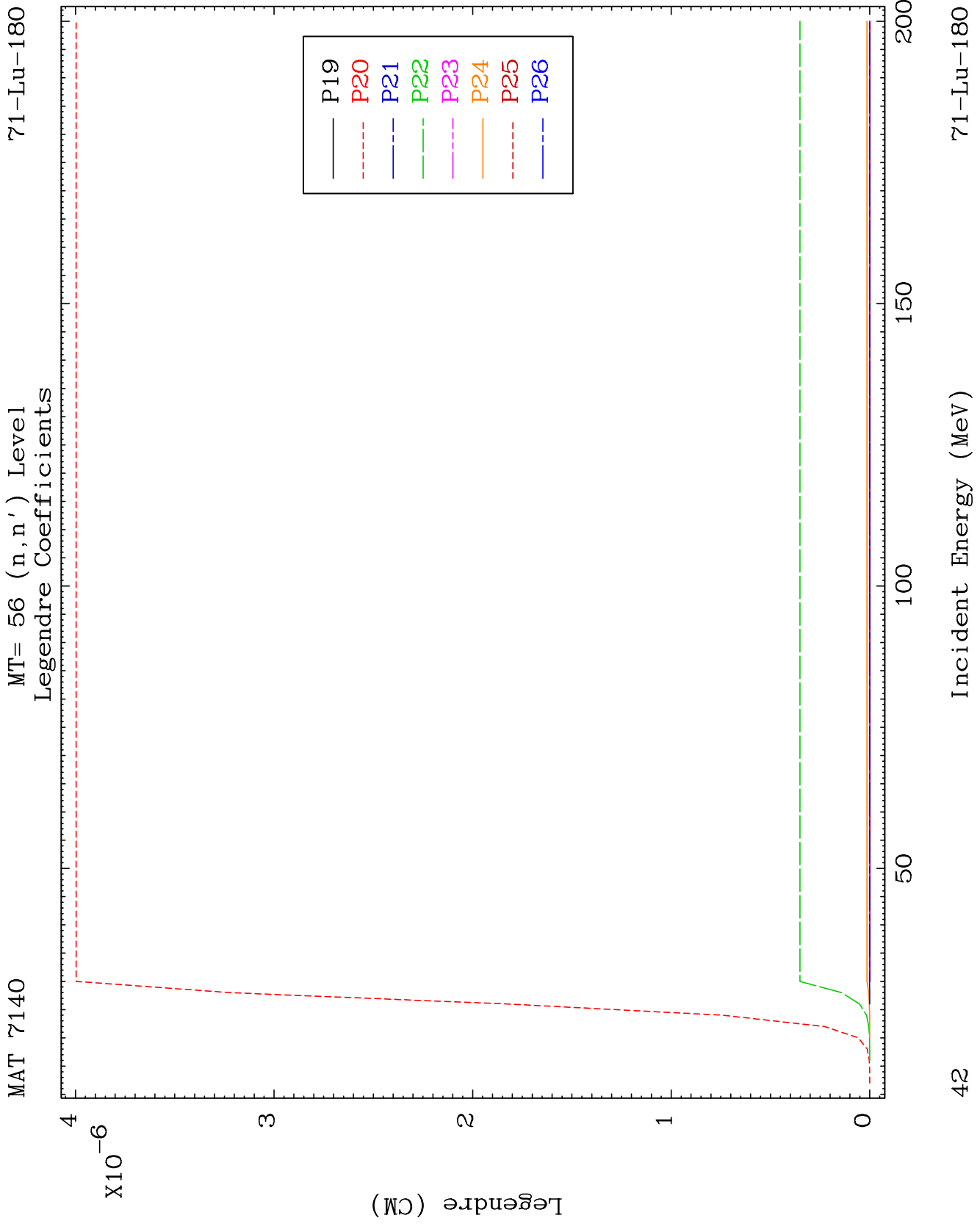
71-Lu-180



41

Incident Energy (MeV)

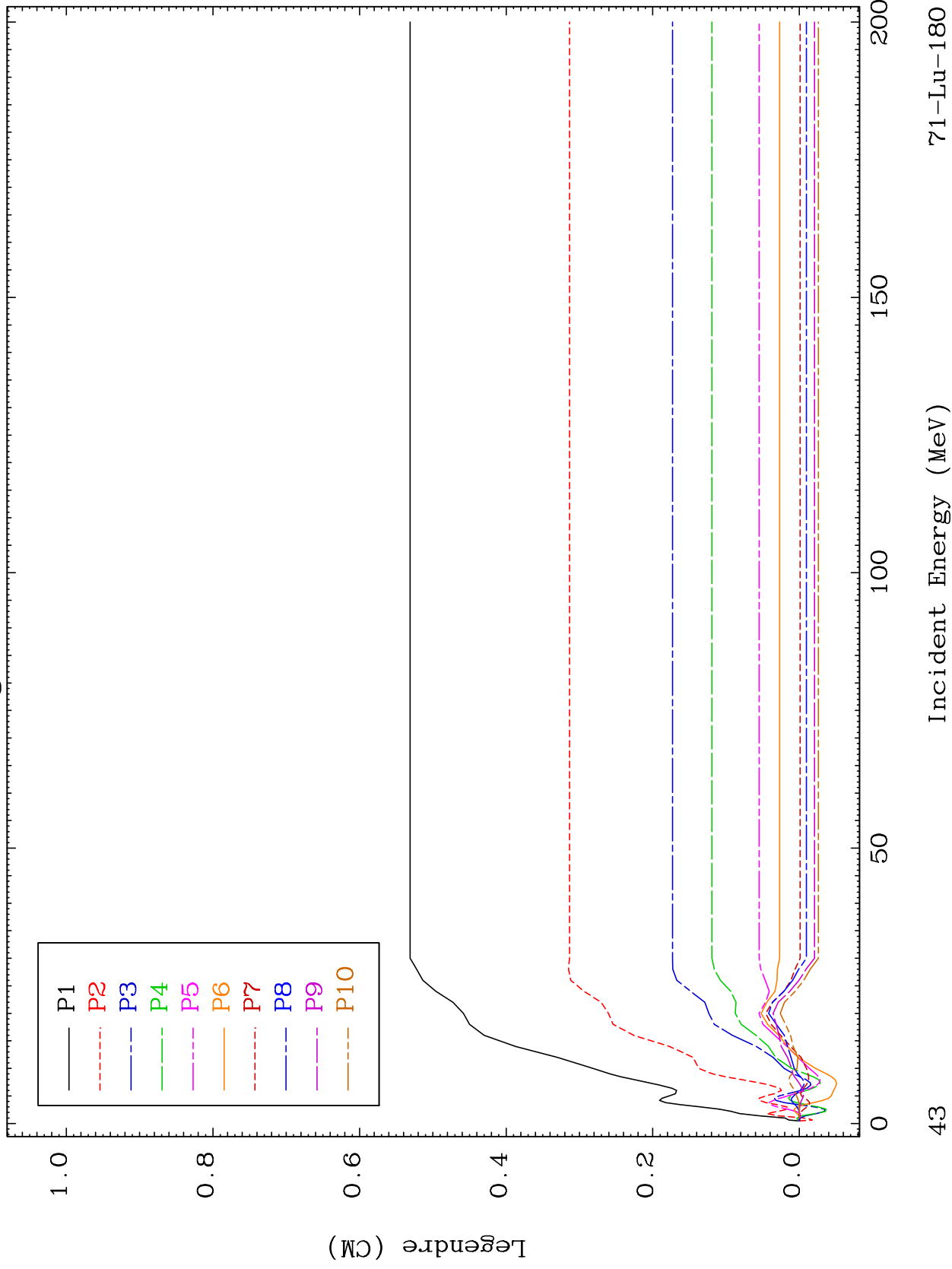
71-Lu-180



MAT 7140

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

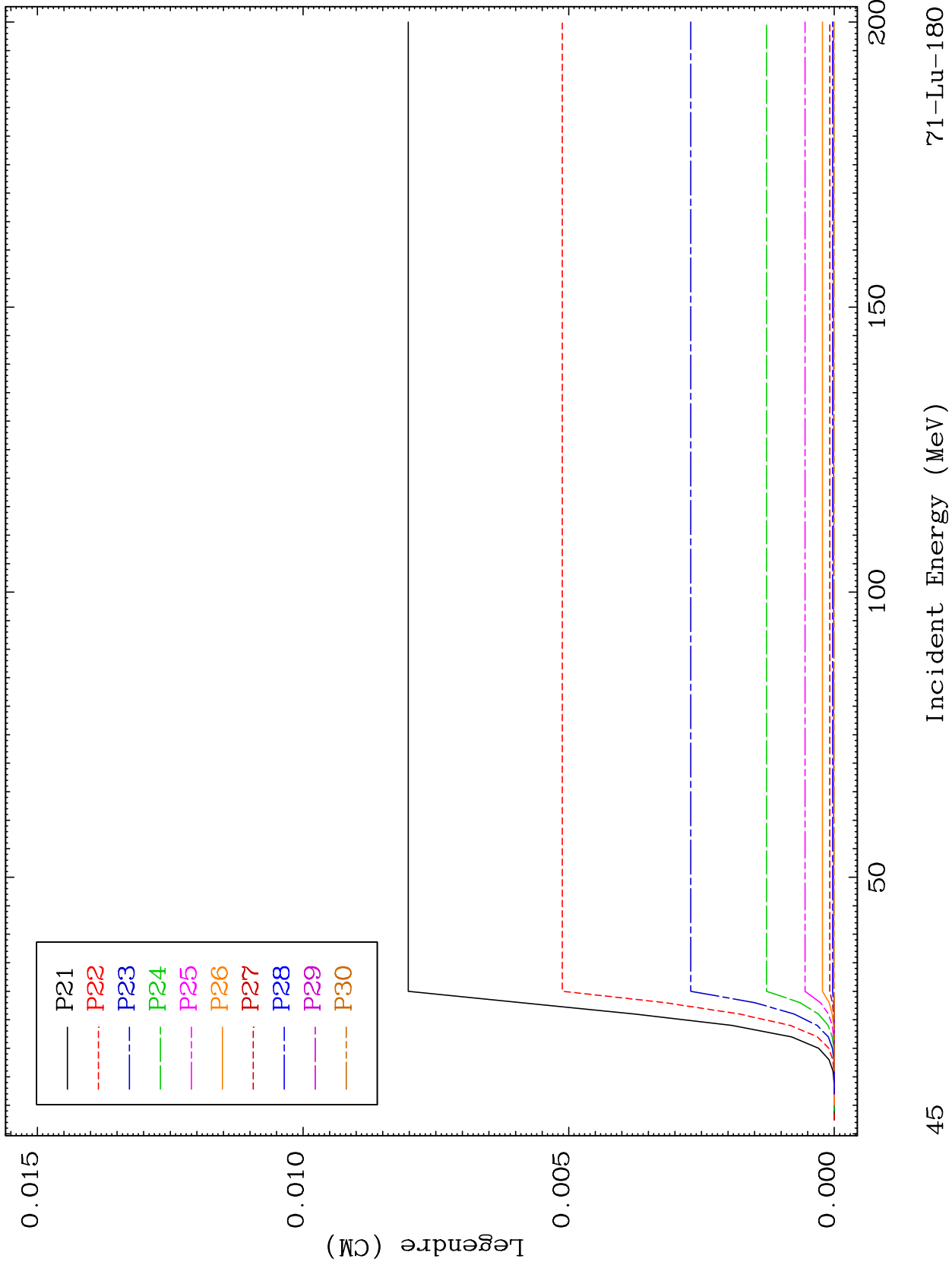
71-Lu-180



MAT 7140

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

71-Lu-180



45

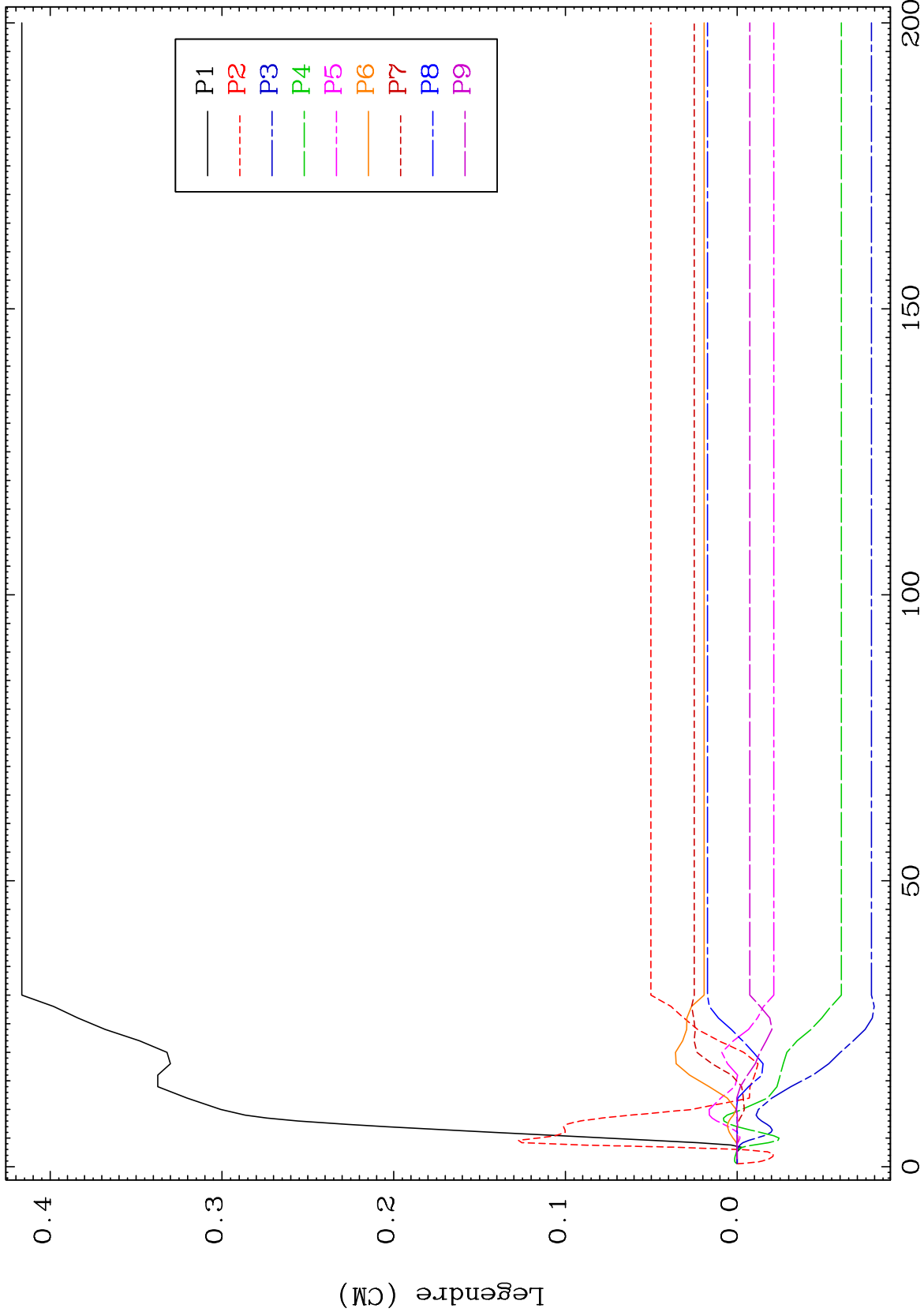
Incident Energy (MeV)

71-Lu-180

MAT 7140

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

71-Lu-180



47

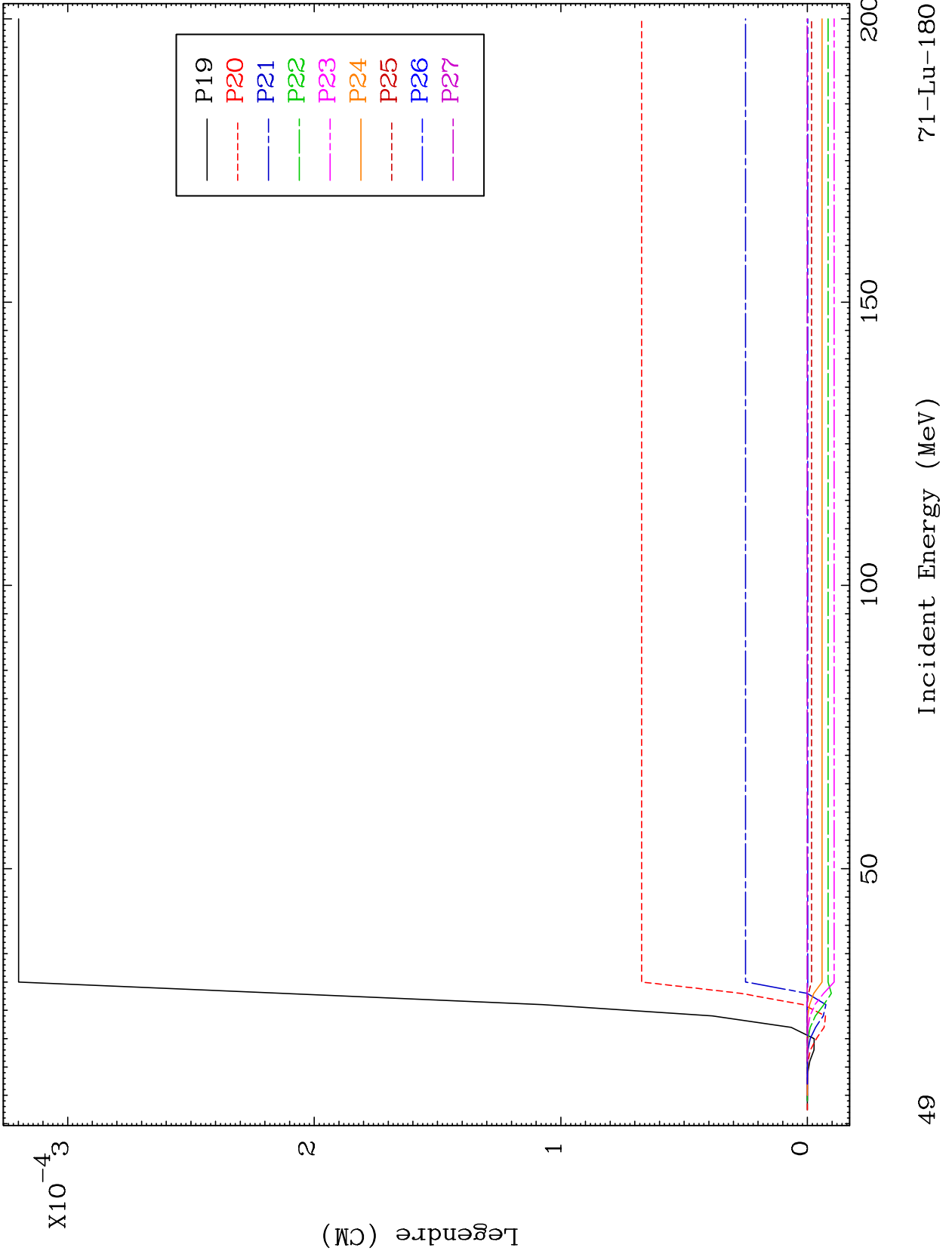
Incident Energy (MeV)

71-Lu-180

MAT 7140

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

71-Lu-180



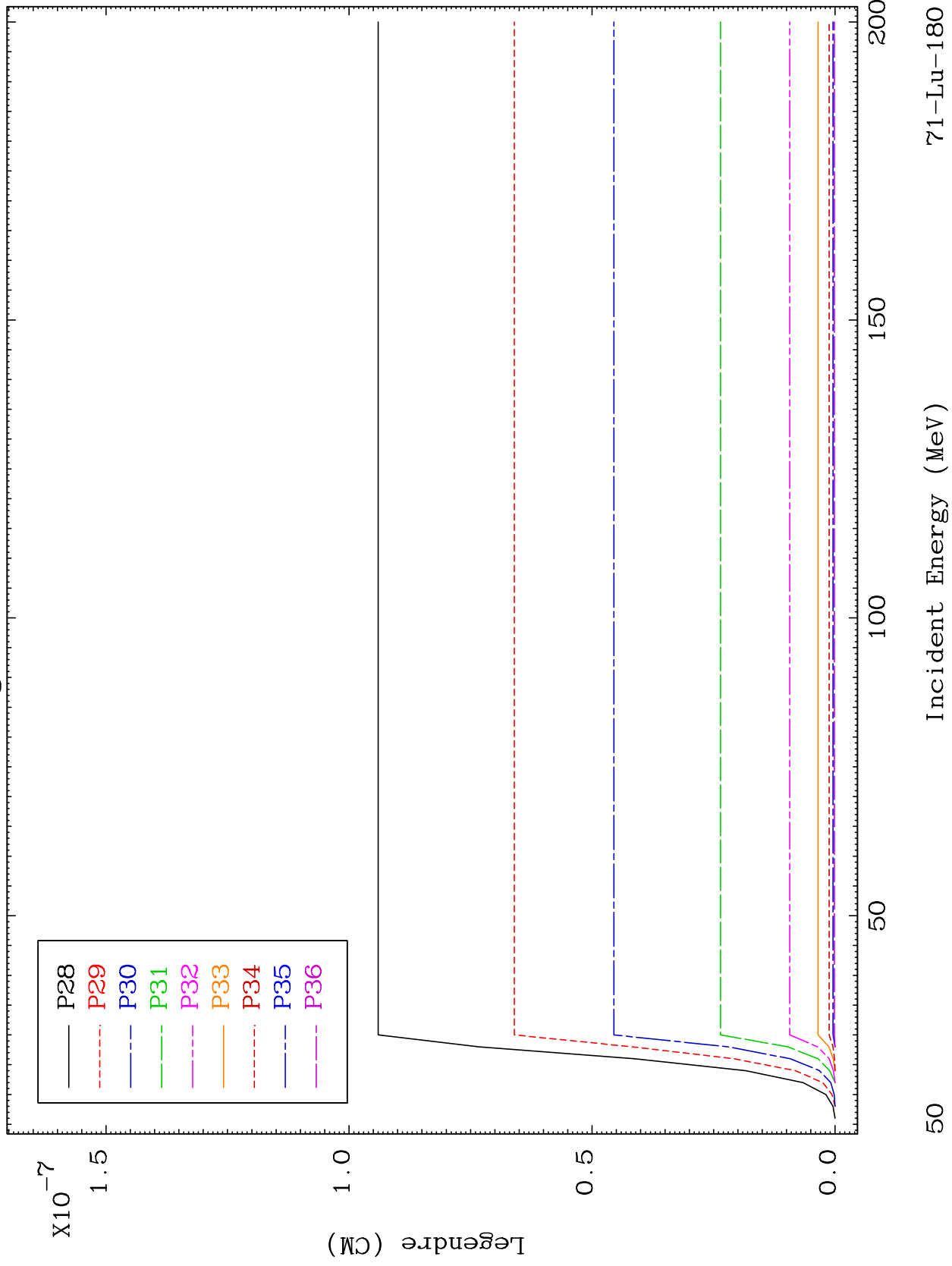
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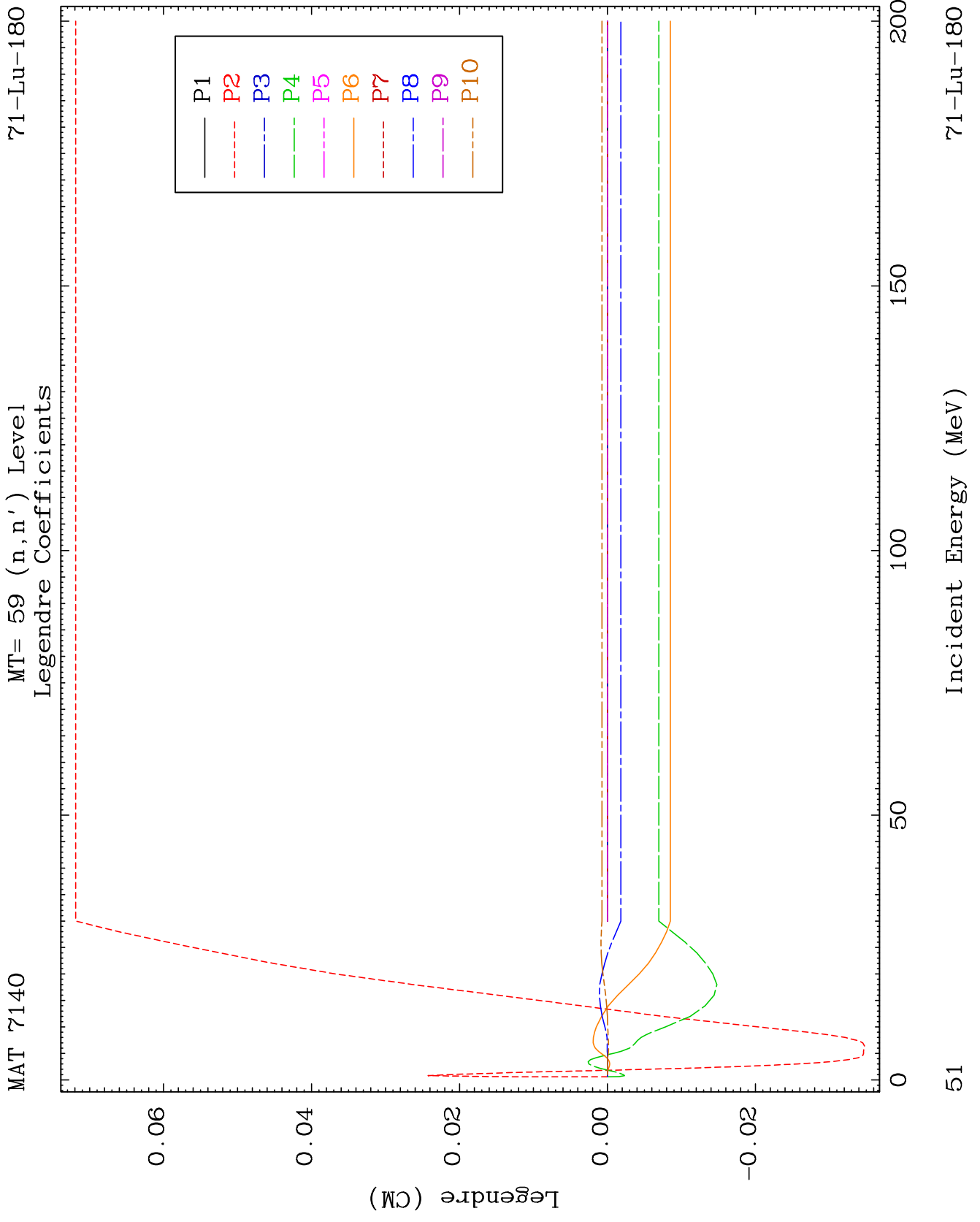
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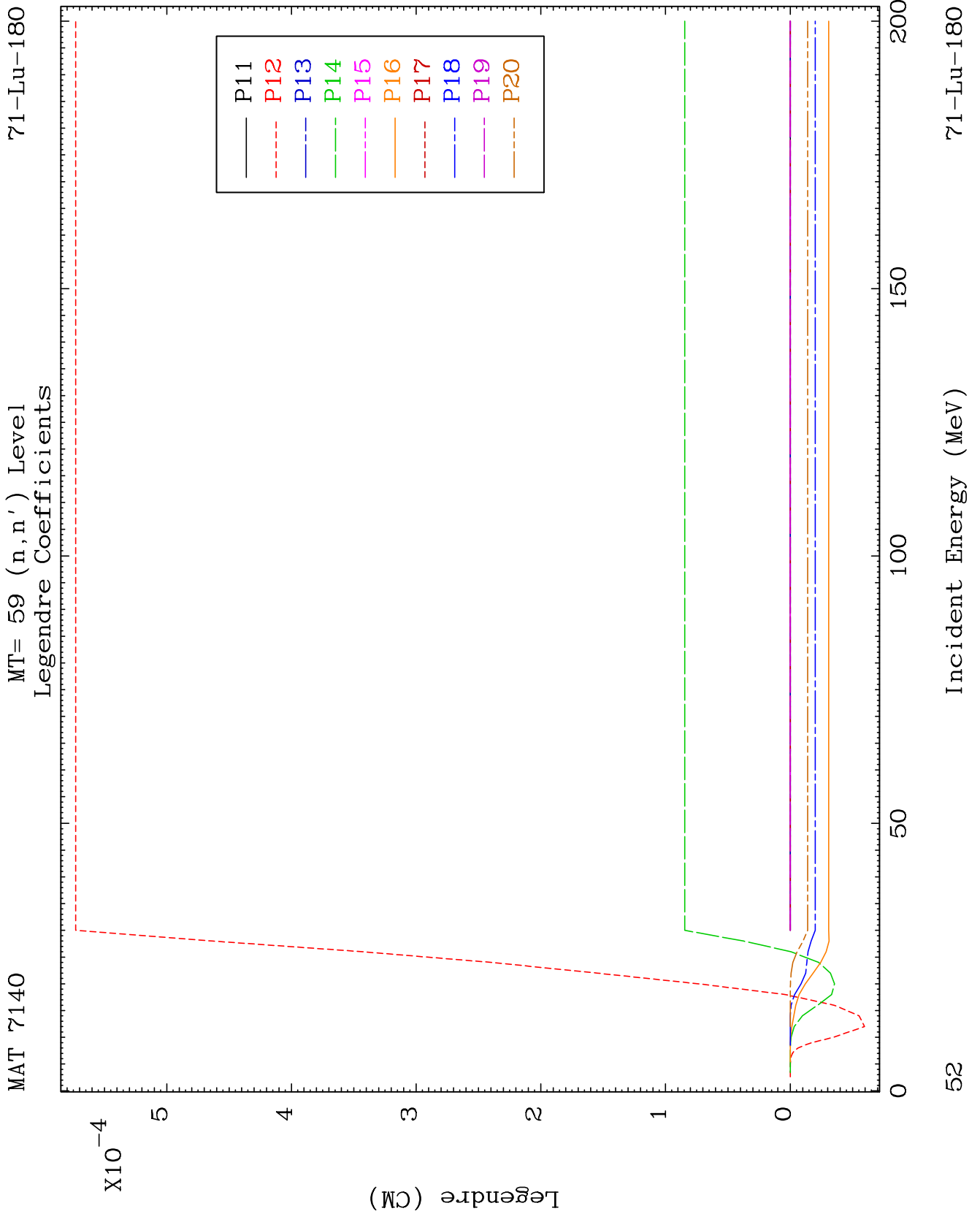
MAT 7140

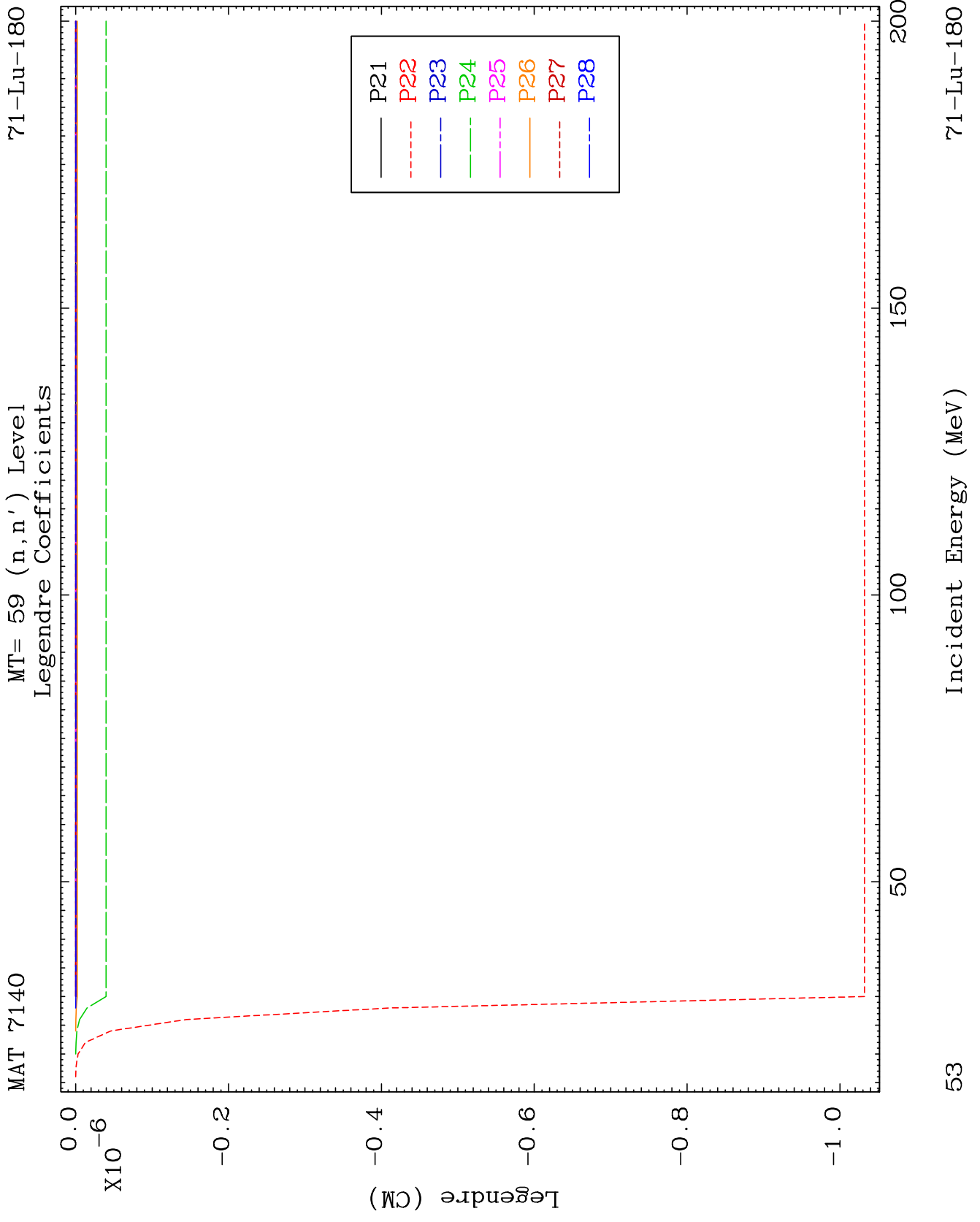
MT= 58 (n,n') Level
Legendre Coefficients

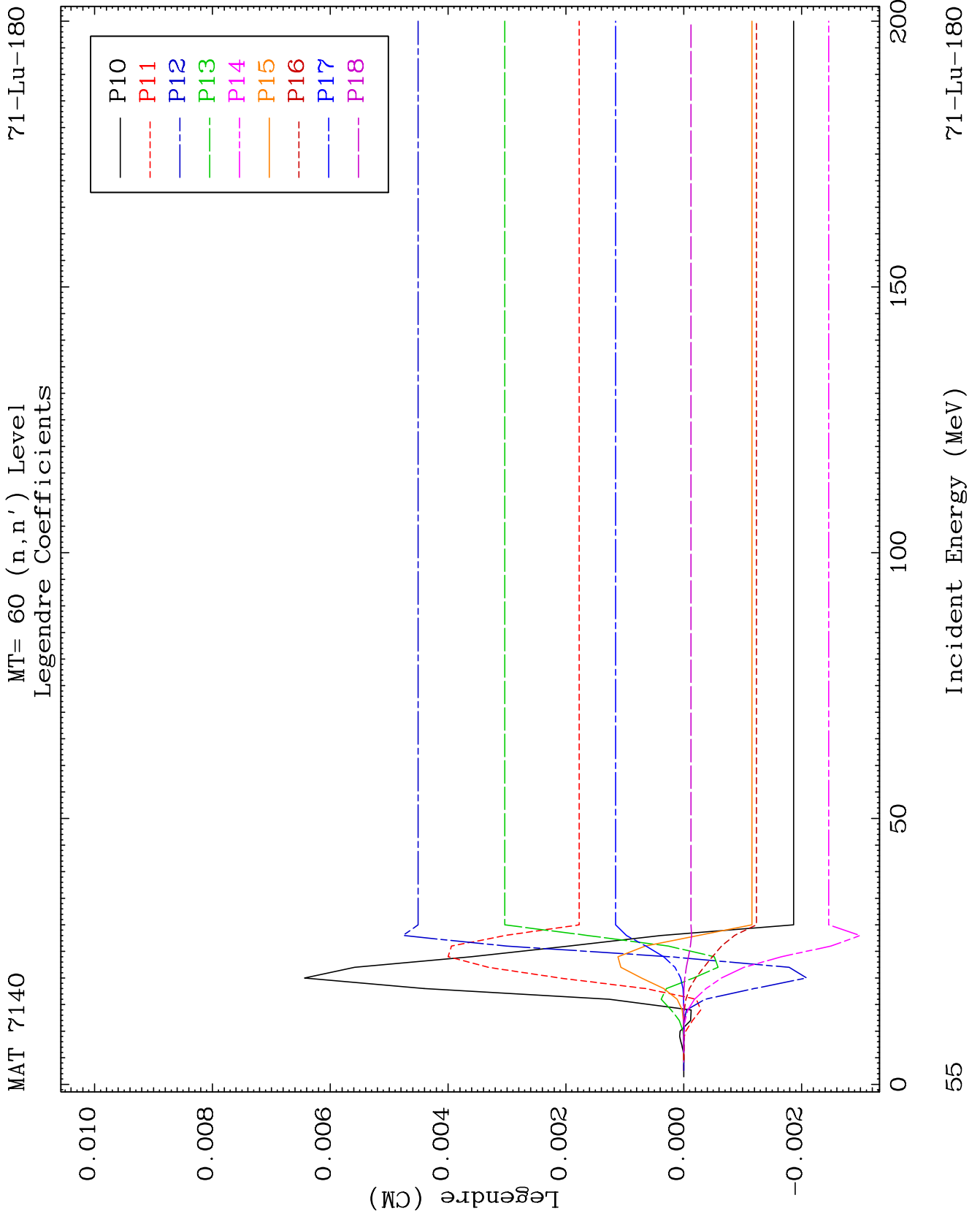
71-Lu-180







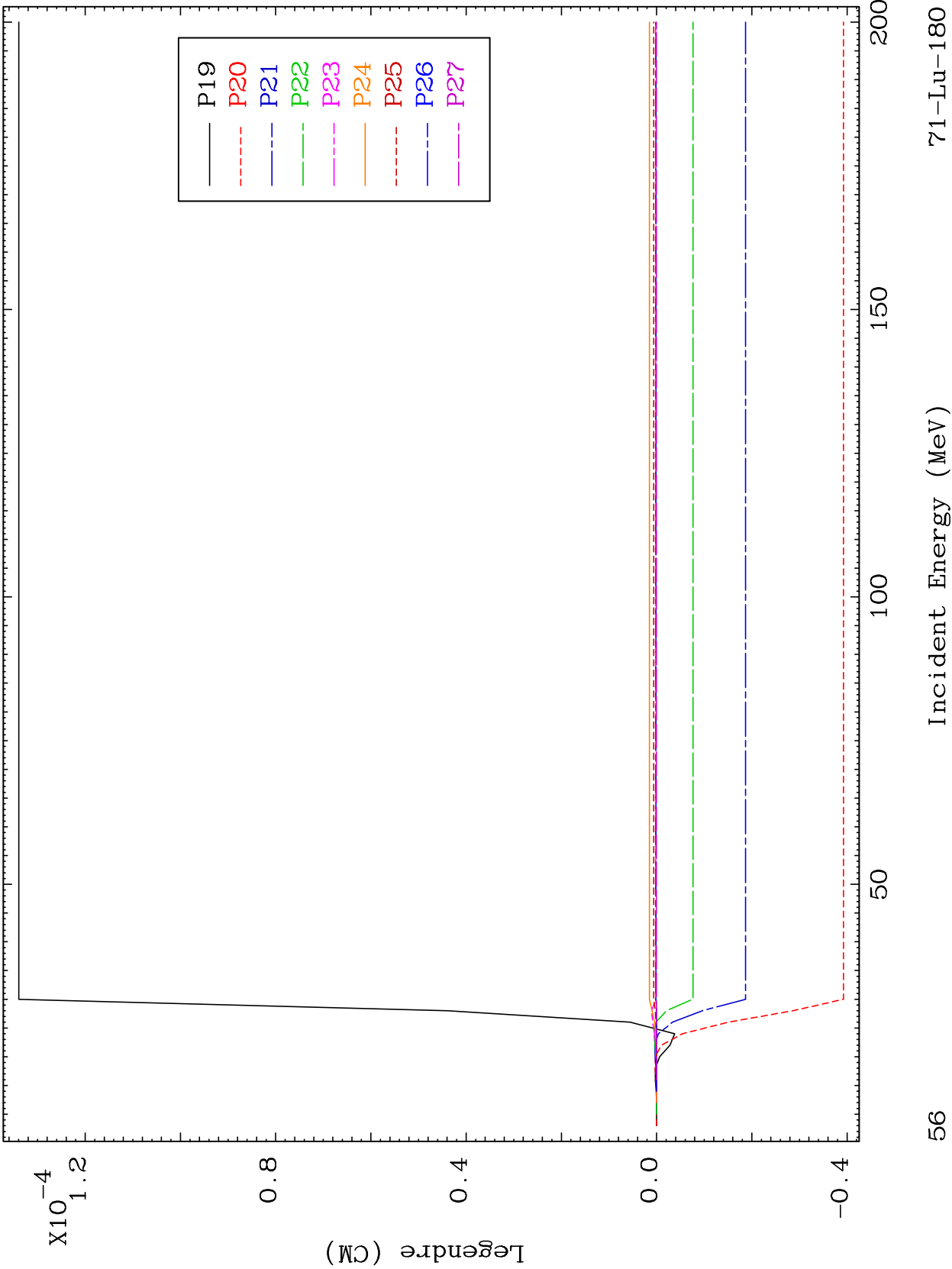




MAT 7140

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

71-Lu-180



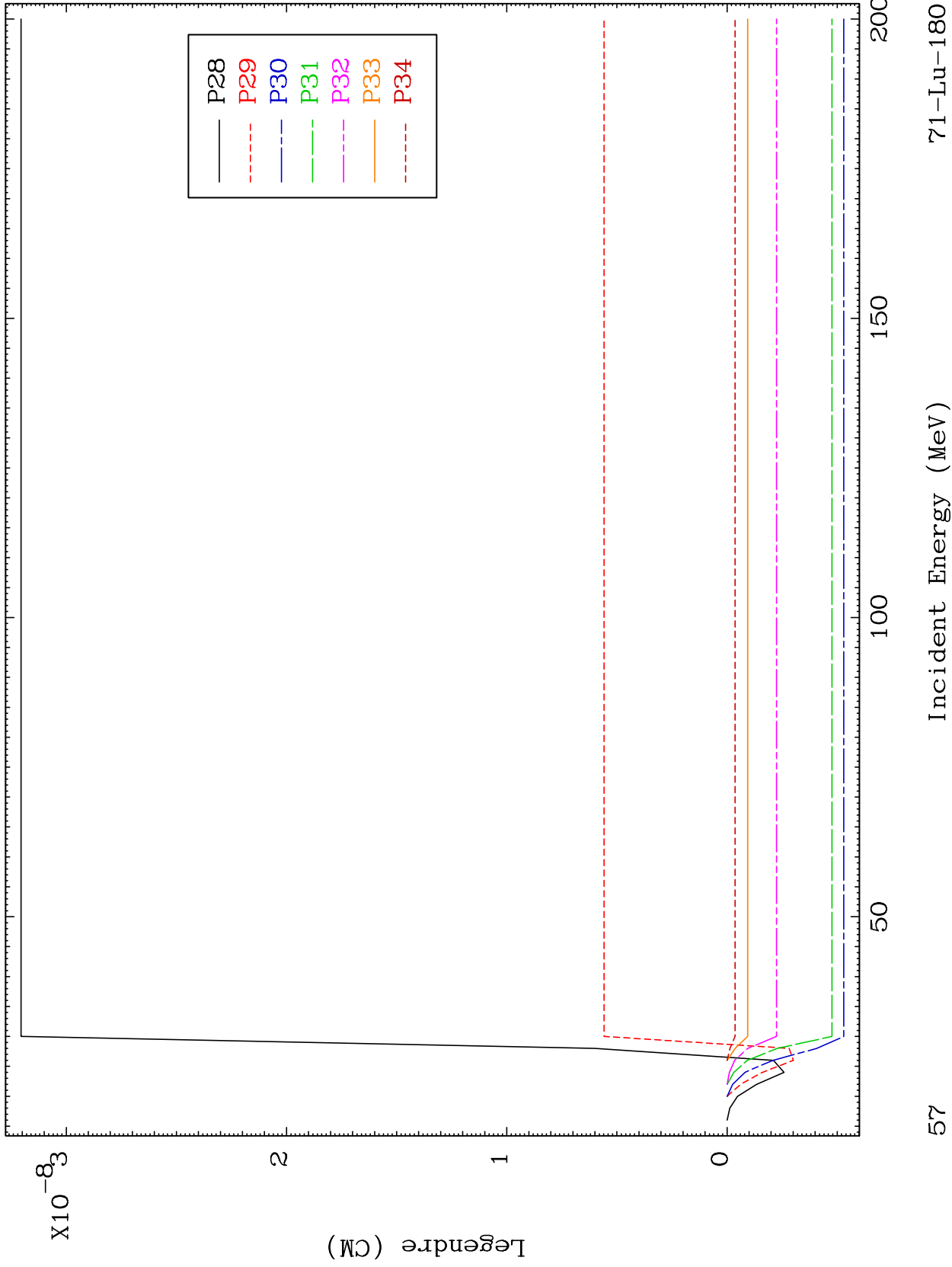
56

71-Lu-180

MAT 7140

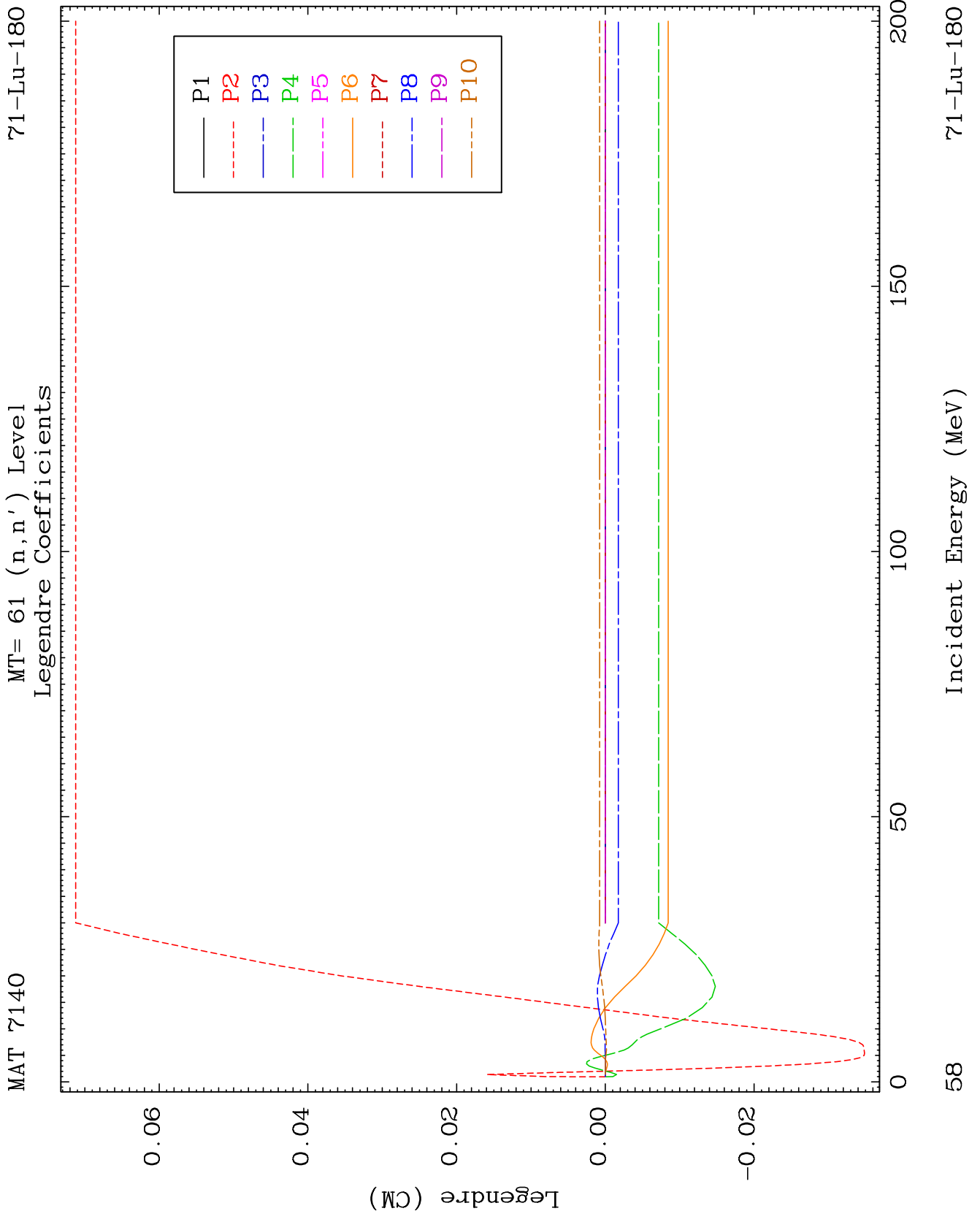
MT= 60 (n,n') Level
Legendre Coefficients

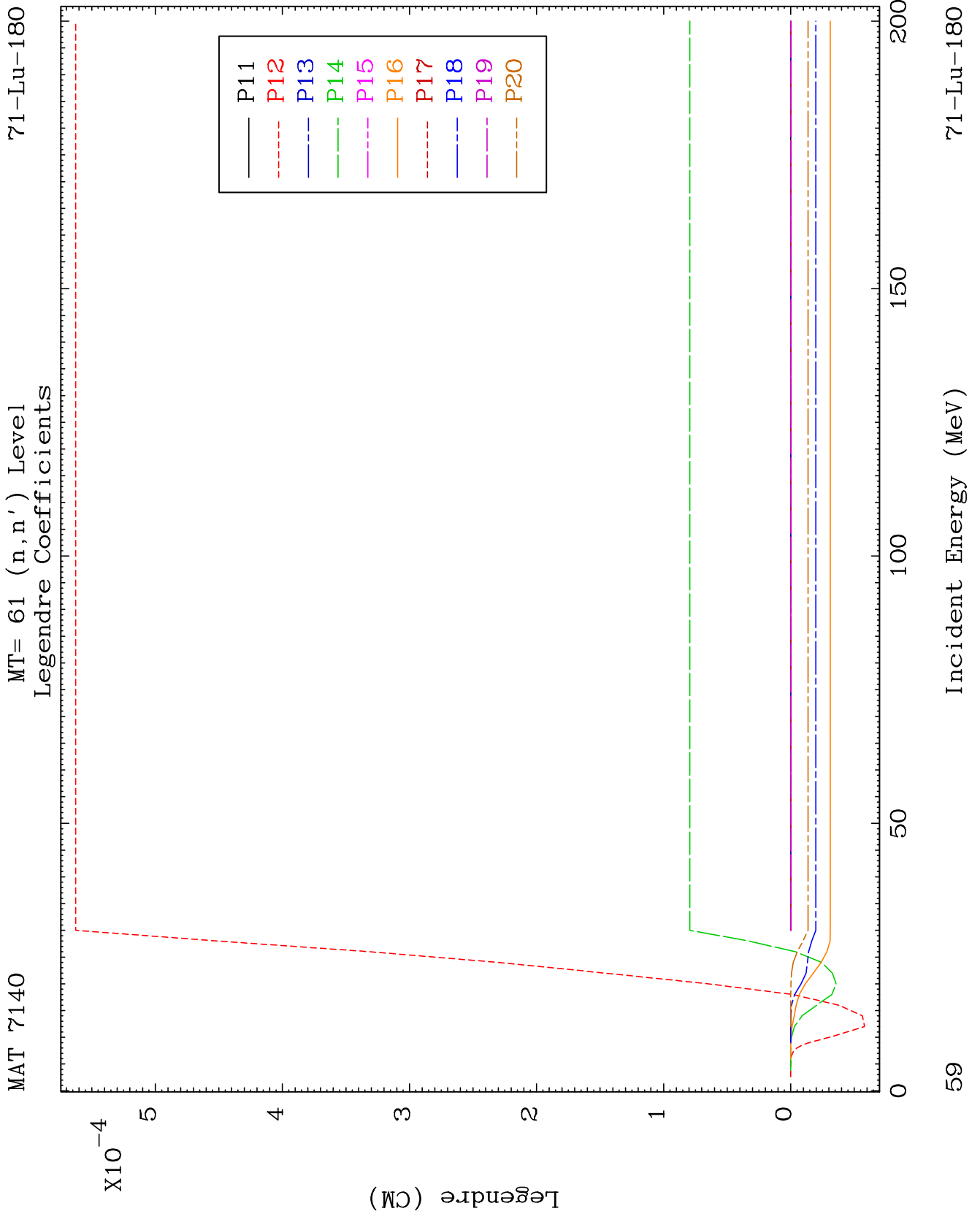
71-Lu-180



57

71-Lu-180

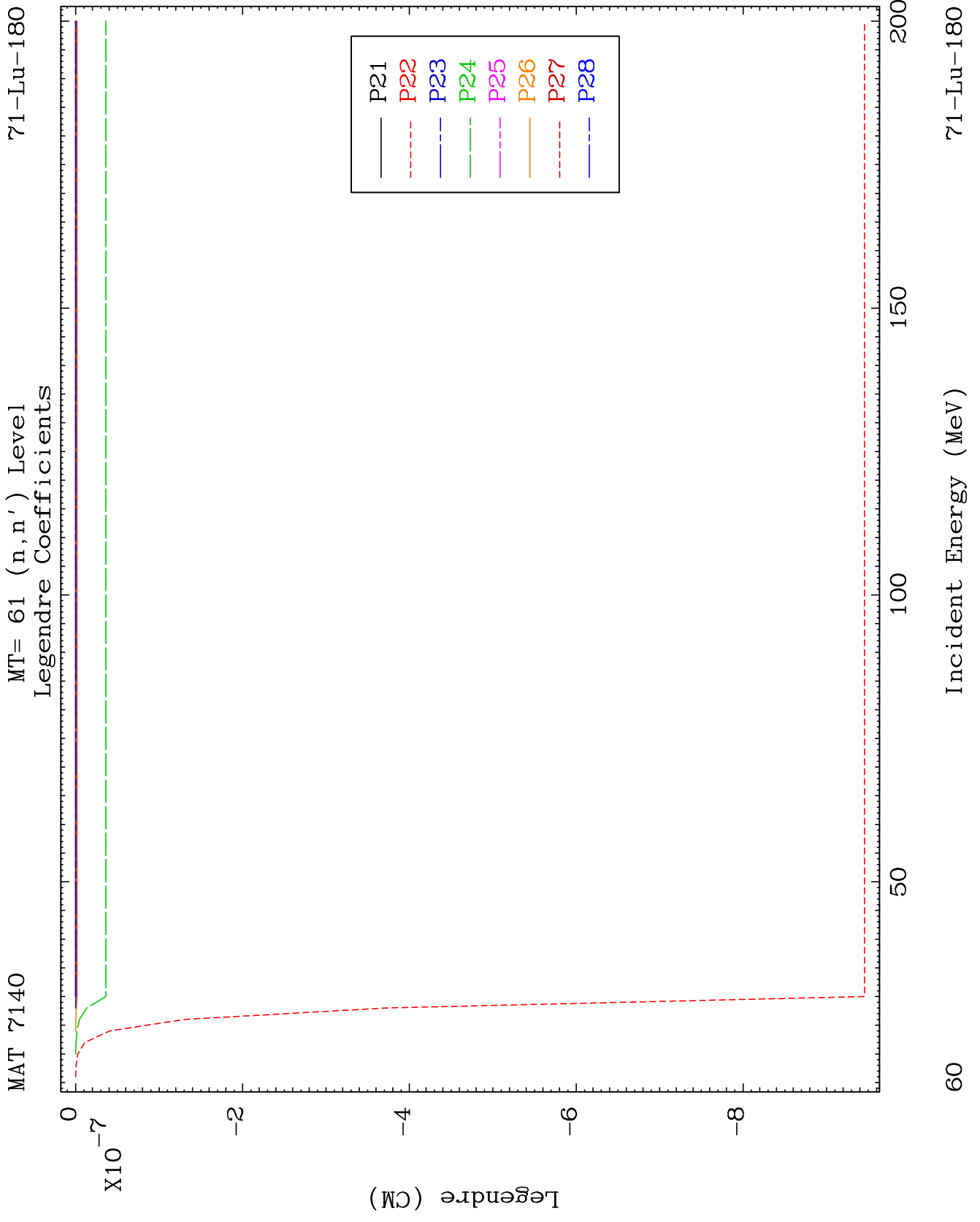


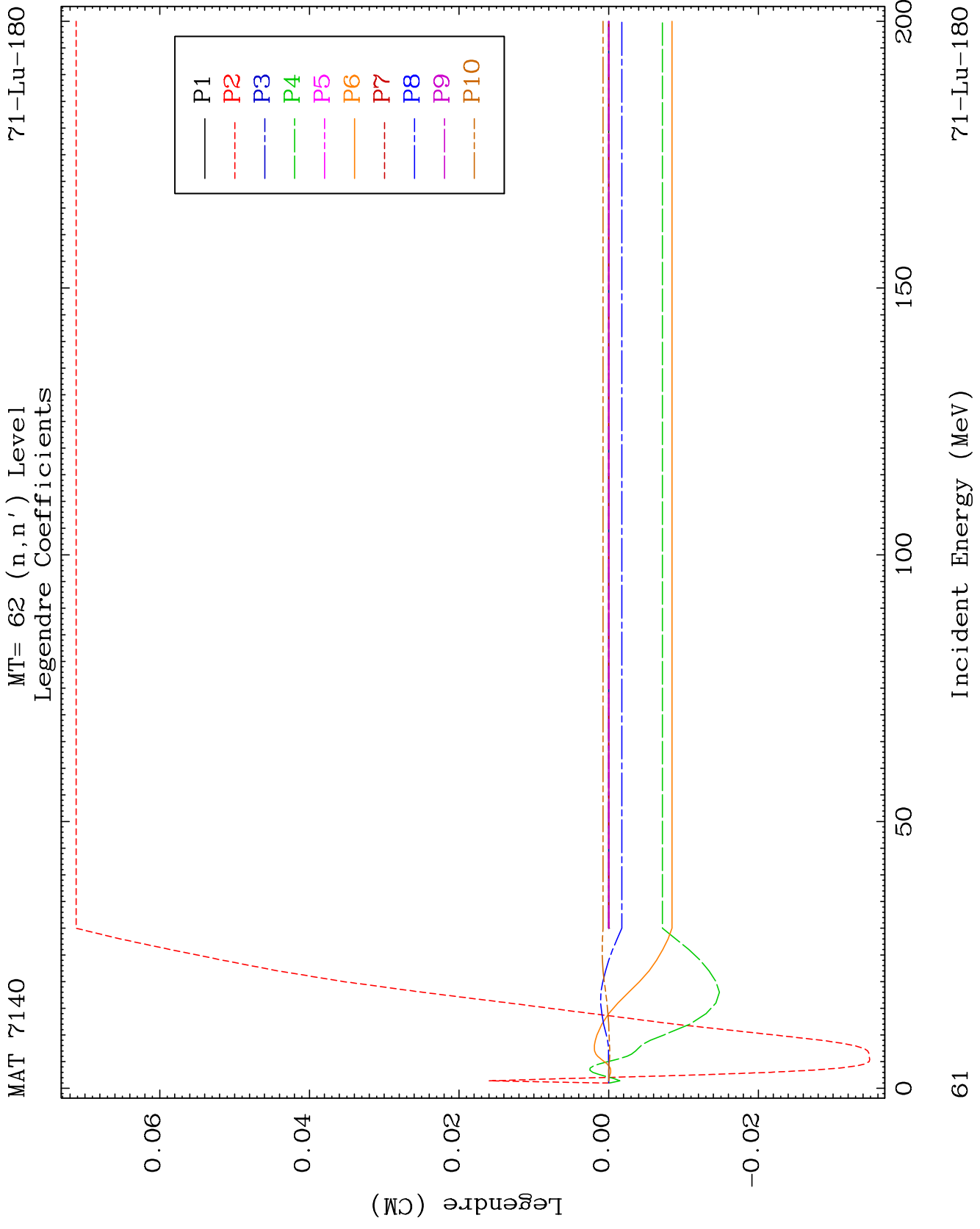


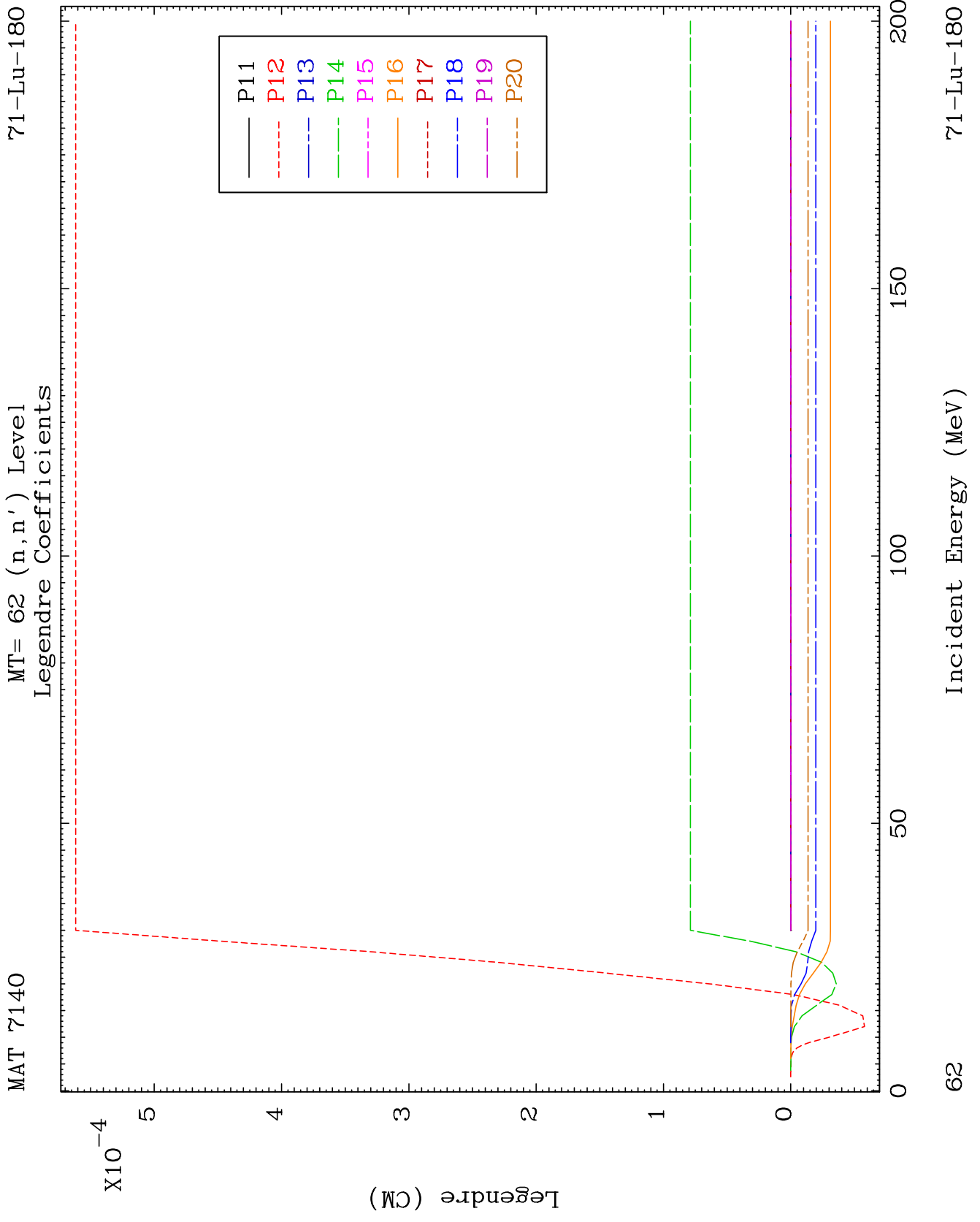
71-Lu-180

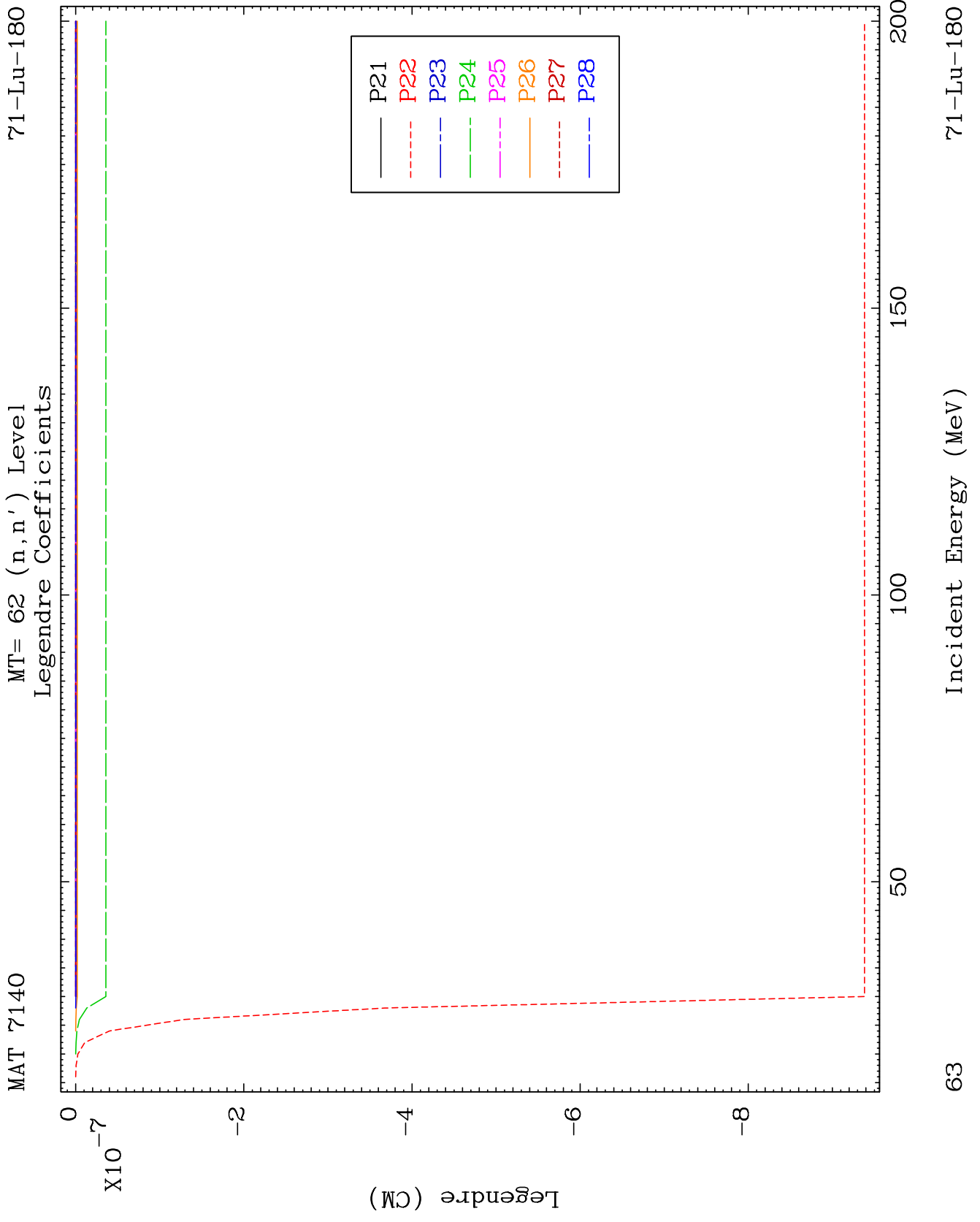
Incident Energy (MeV)

59





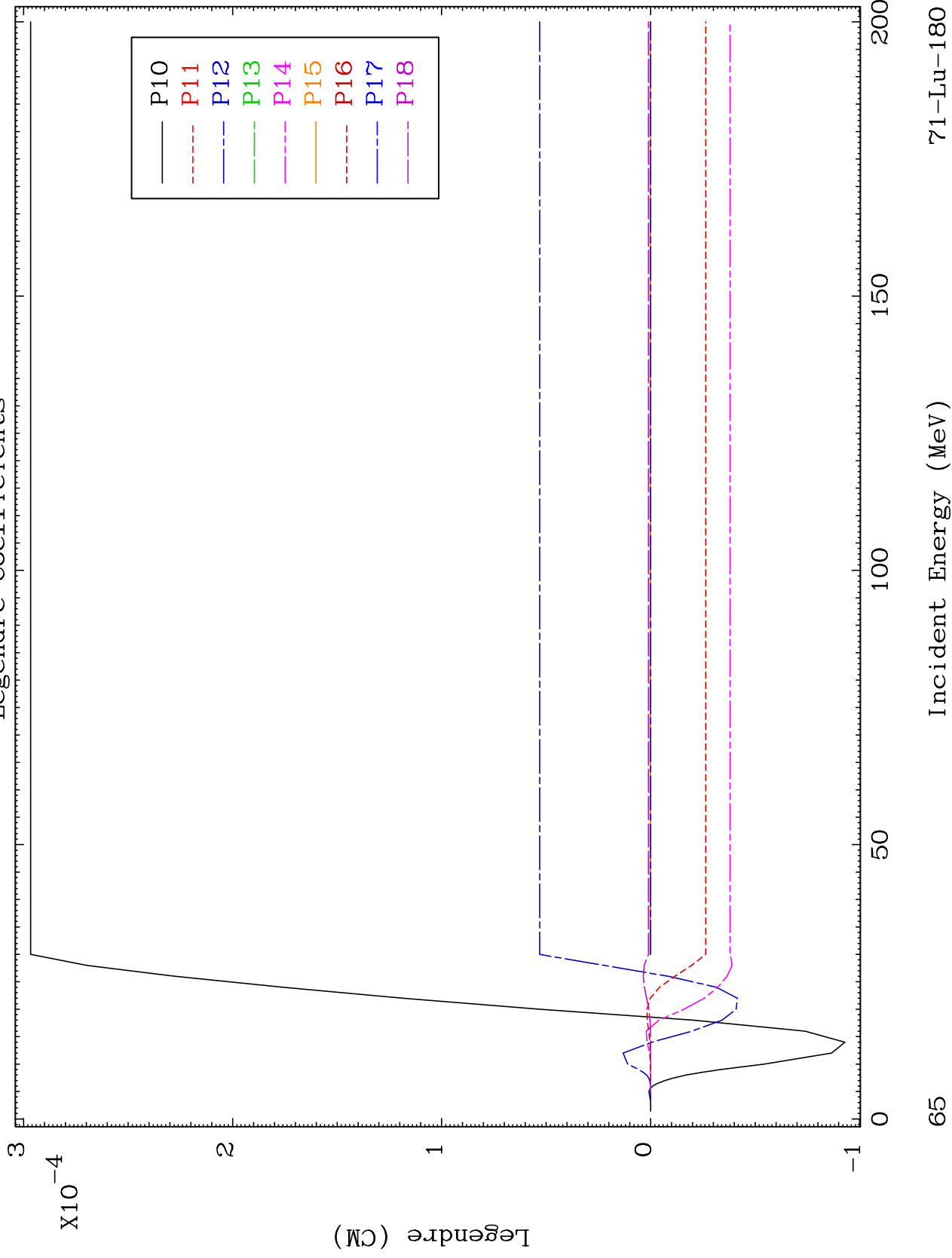




MAT 7140

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

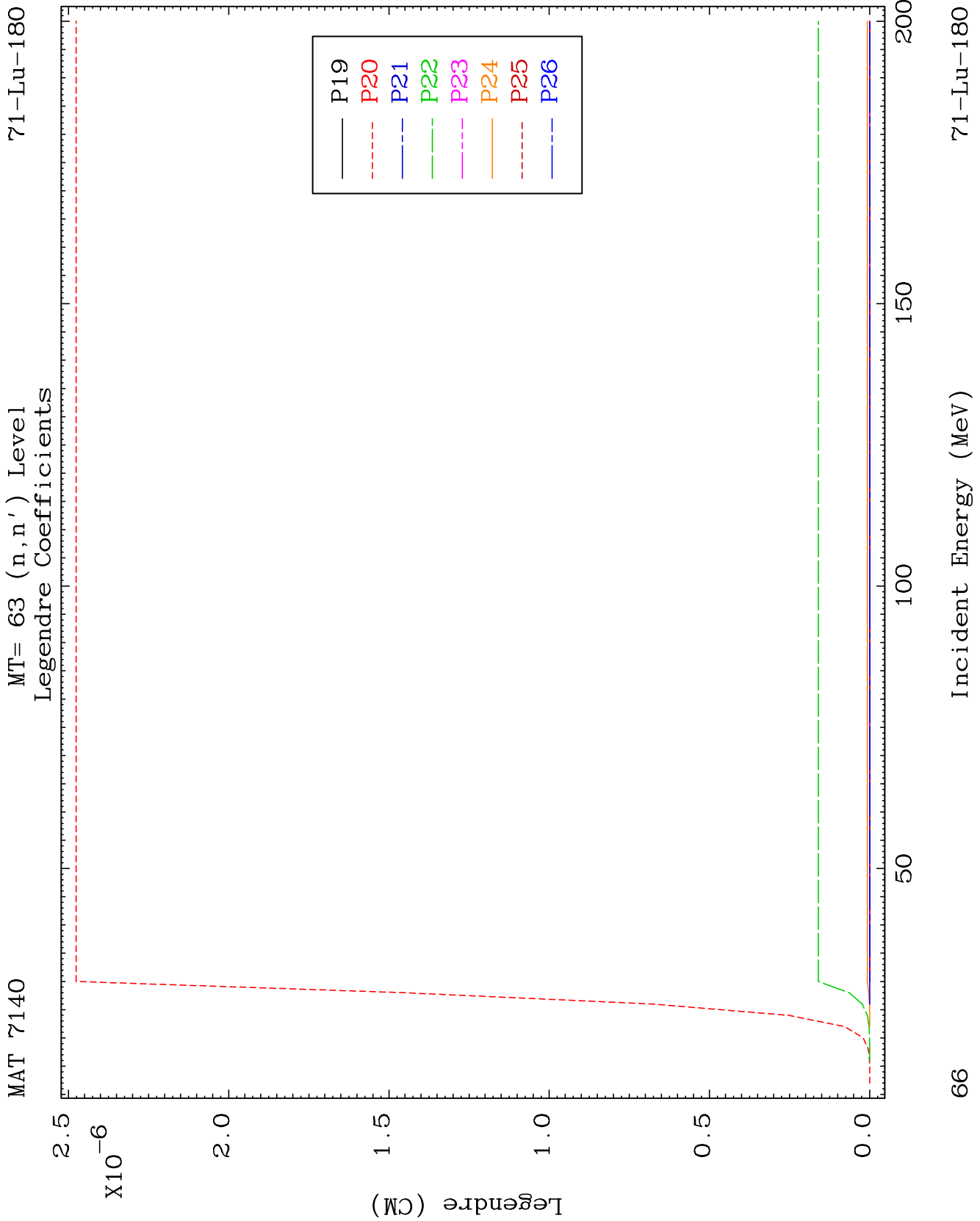
71-Lu-180

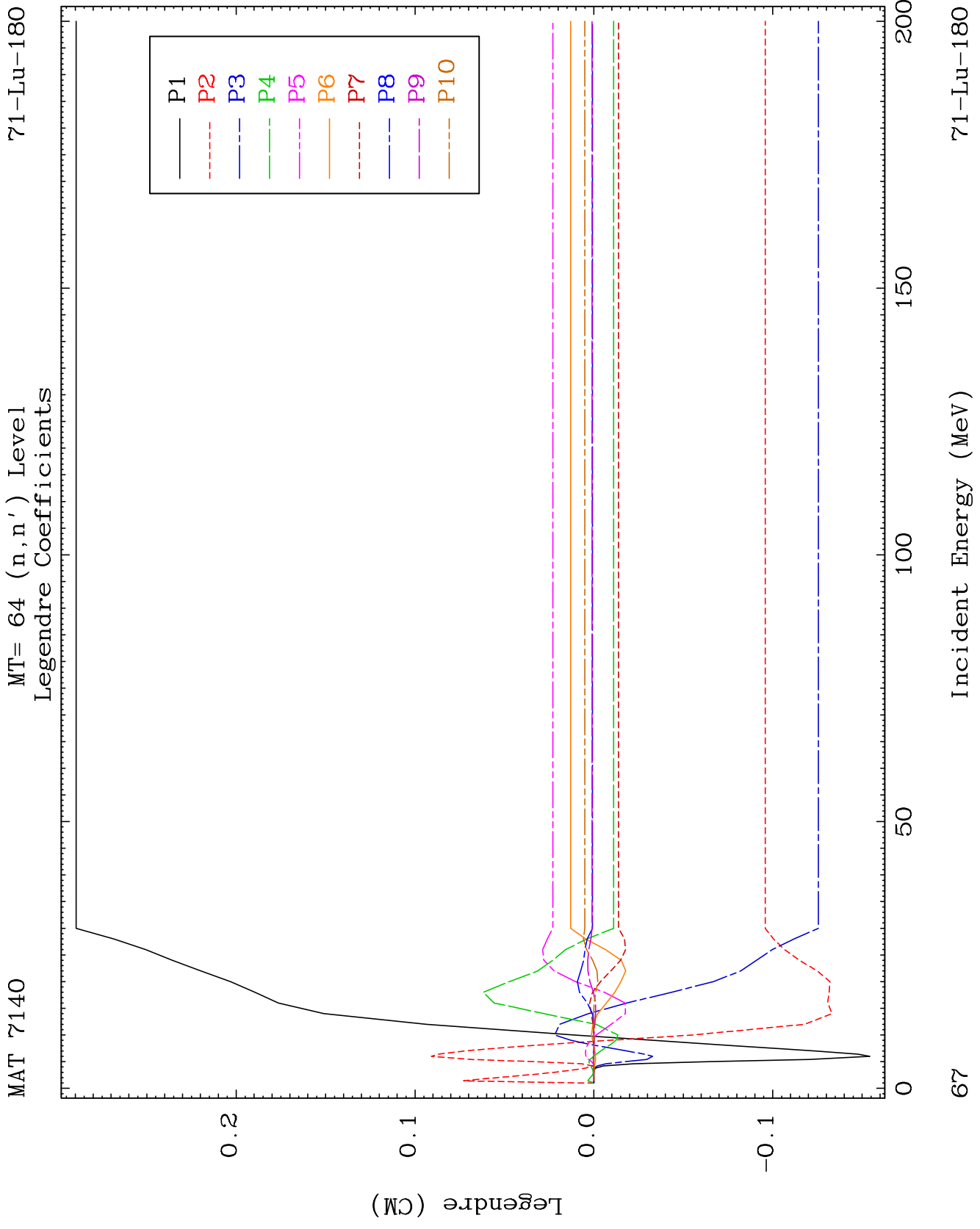


71-Lu-180

Incident Energy (MeV)

65

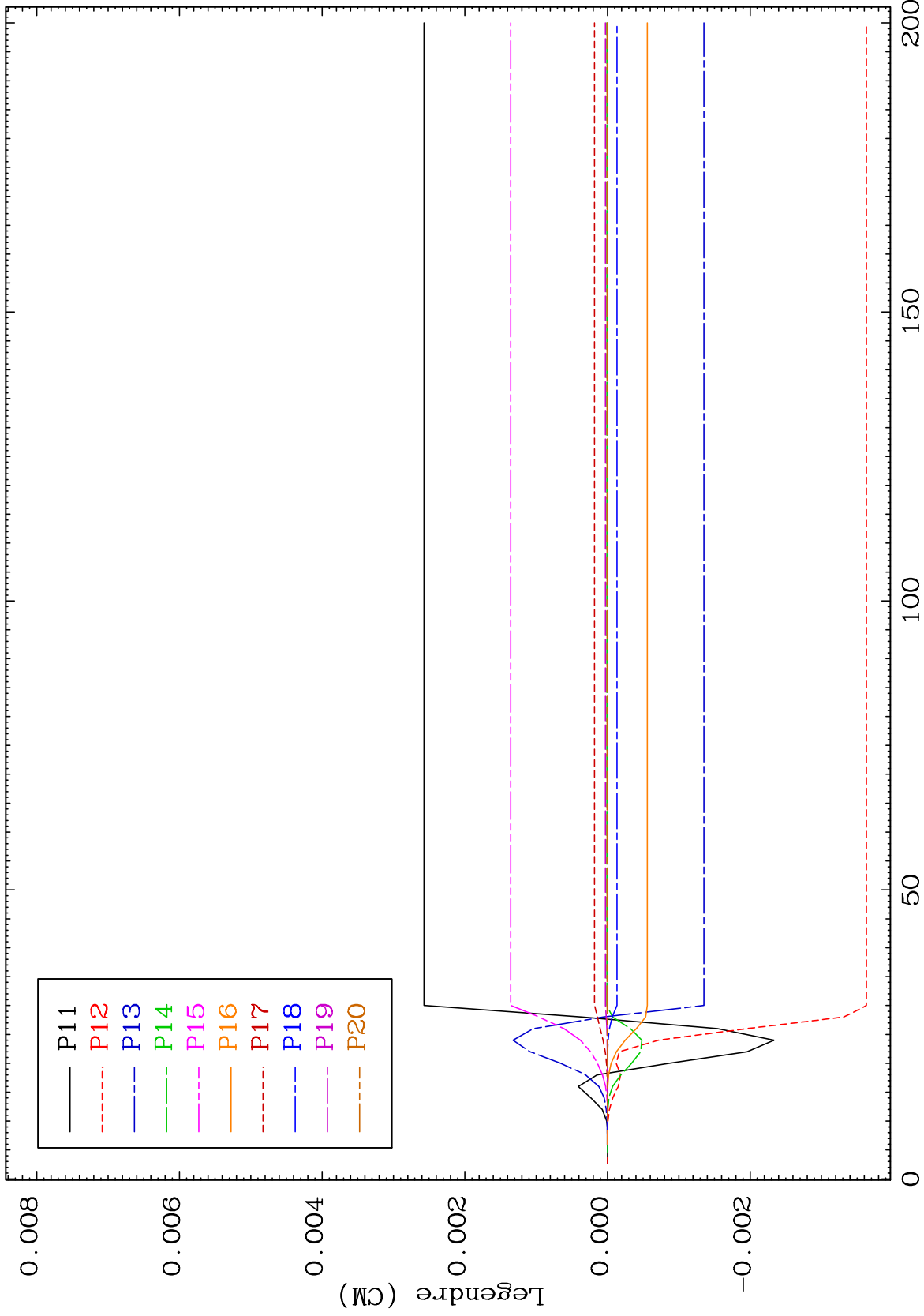




MAT 7140

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

71-Lu-180



68

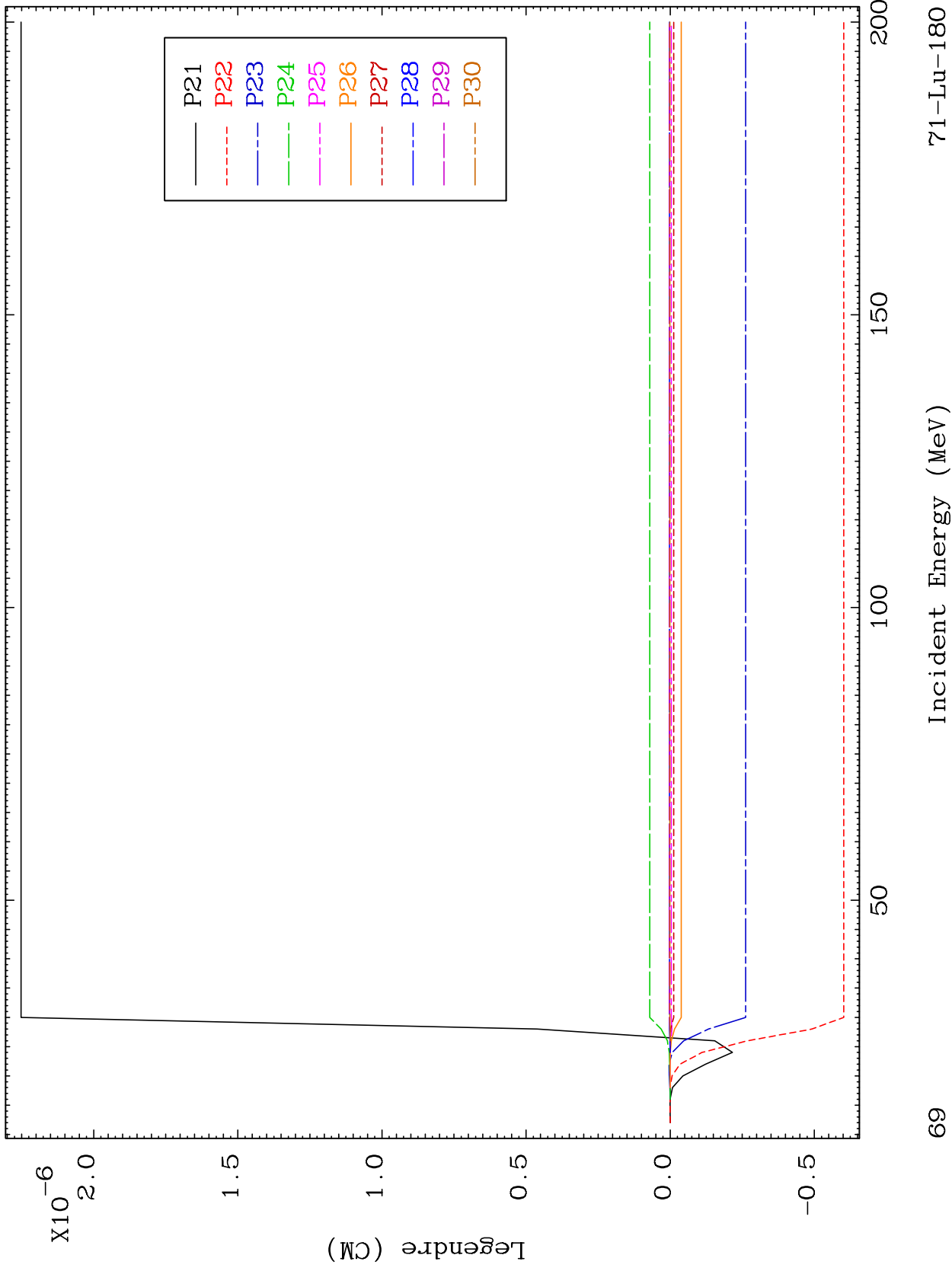
Incident Energy (MeV)

71-Lu-180

MAT 7140

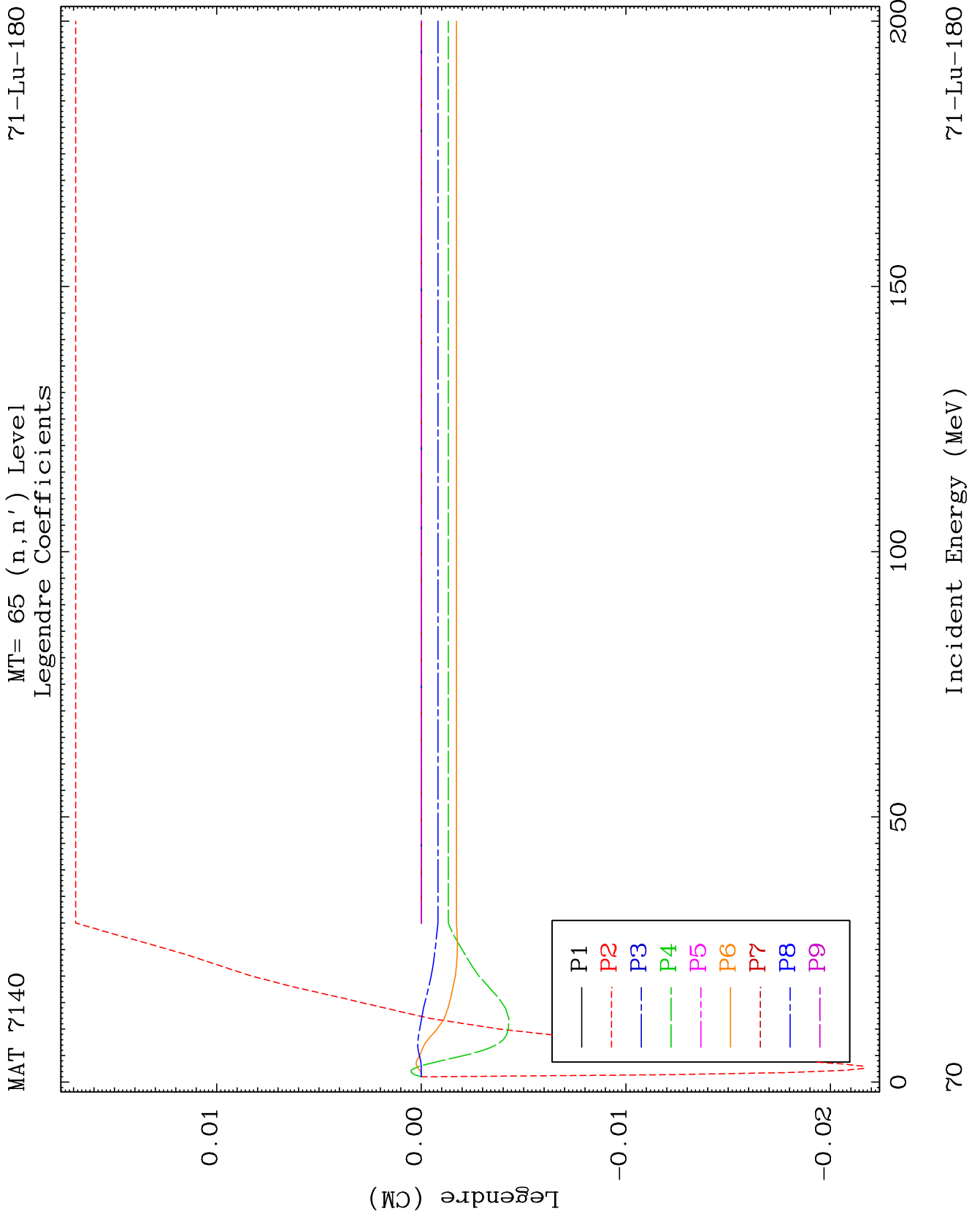
MT= 64 (n,n') Level
Legendre Coefficients

71-Lu-180



69

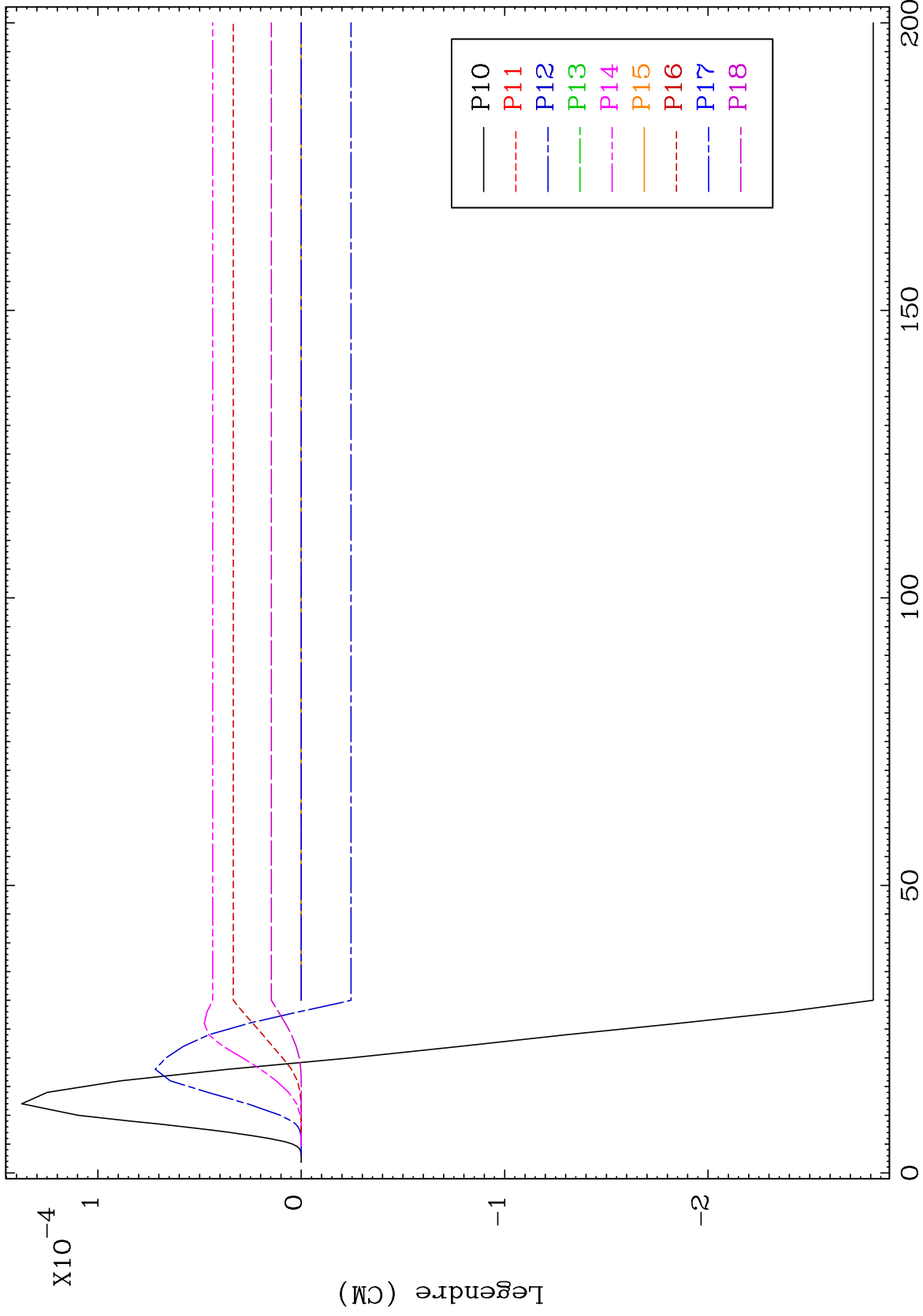
71-Lu-180



MAT 7140

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

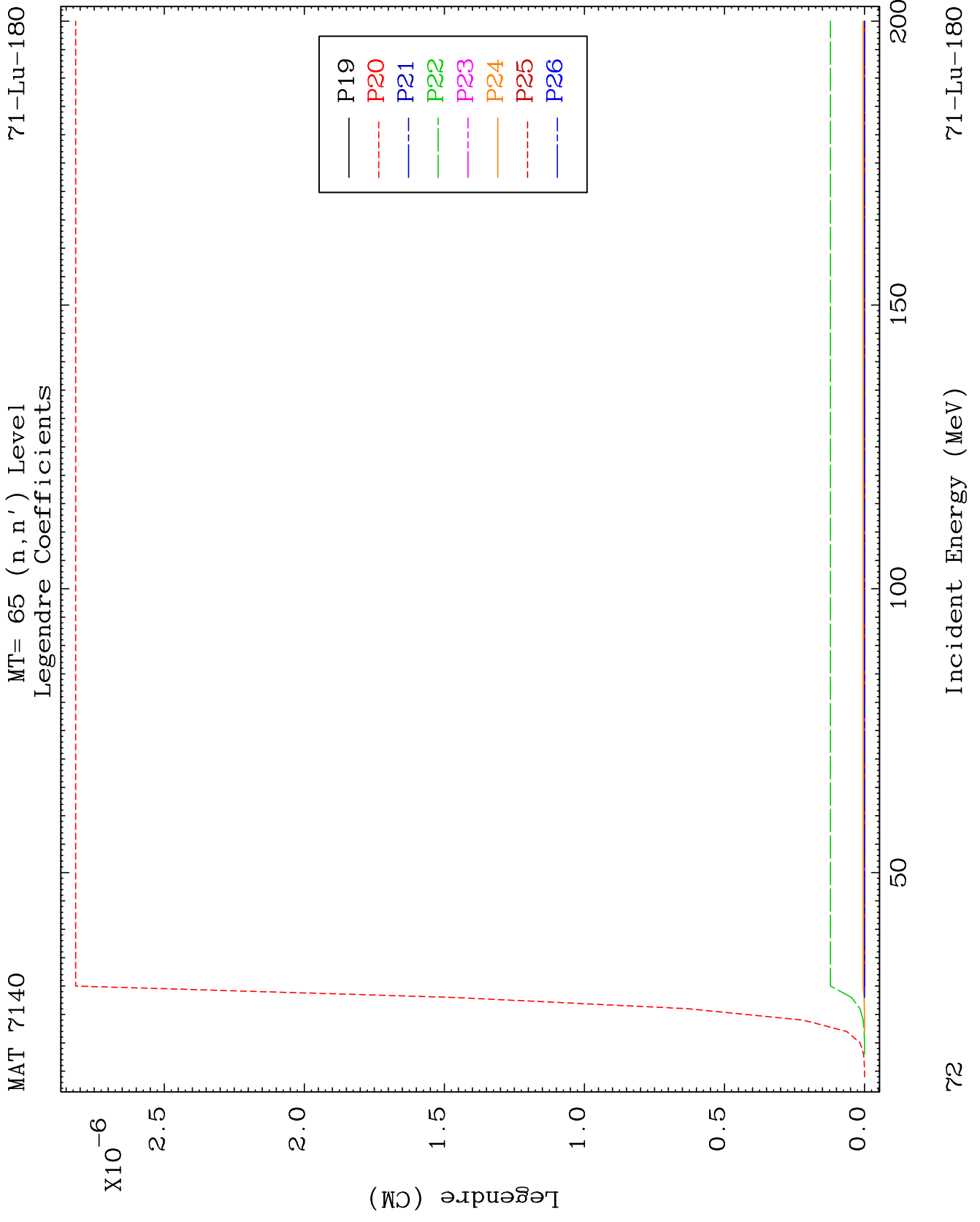
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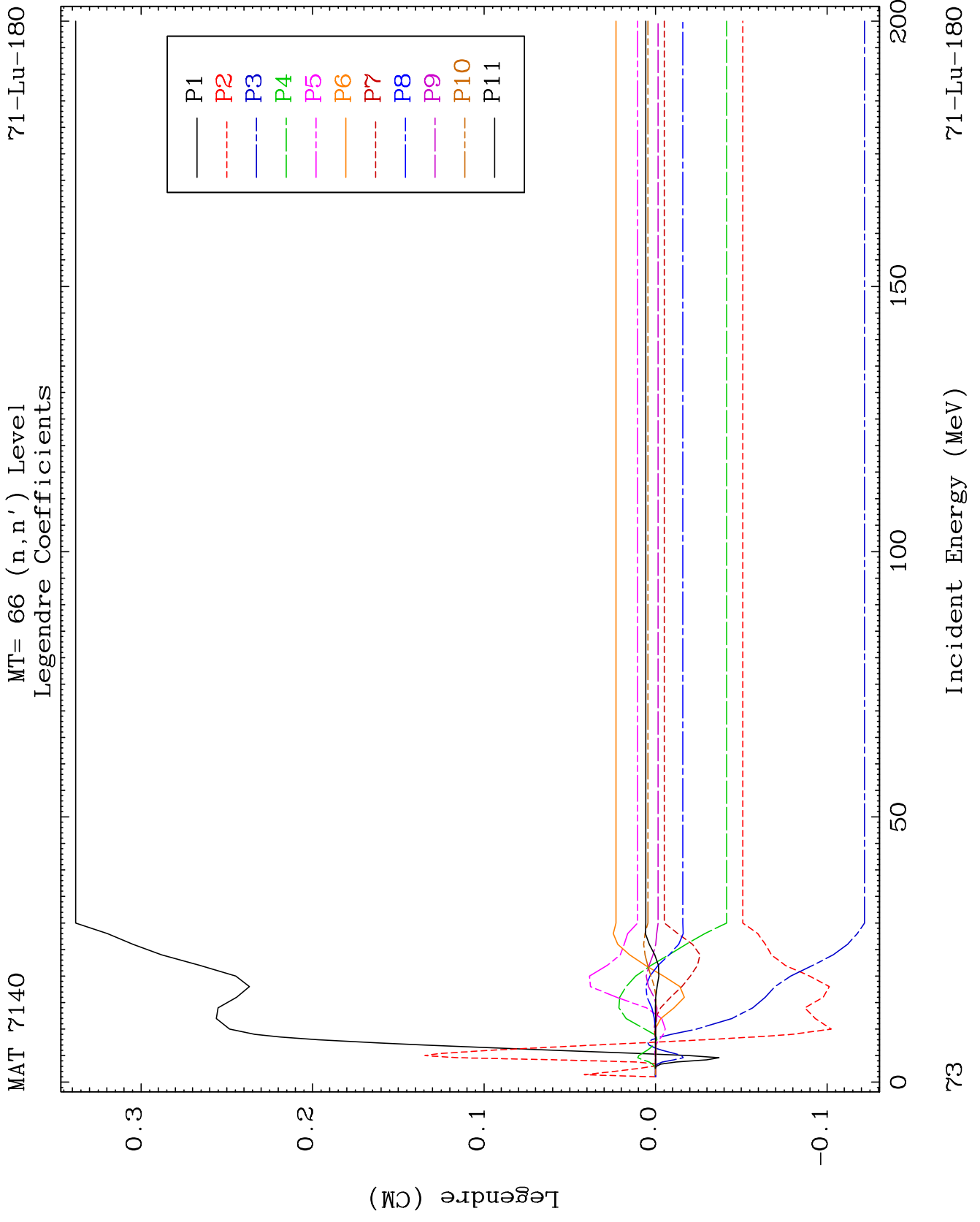


71

Incident Energy (MeV)

71-Lu-180

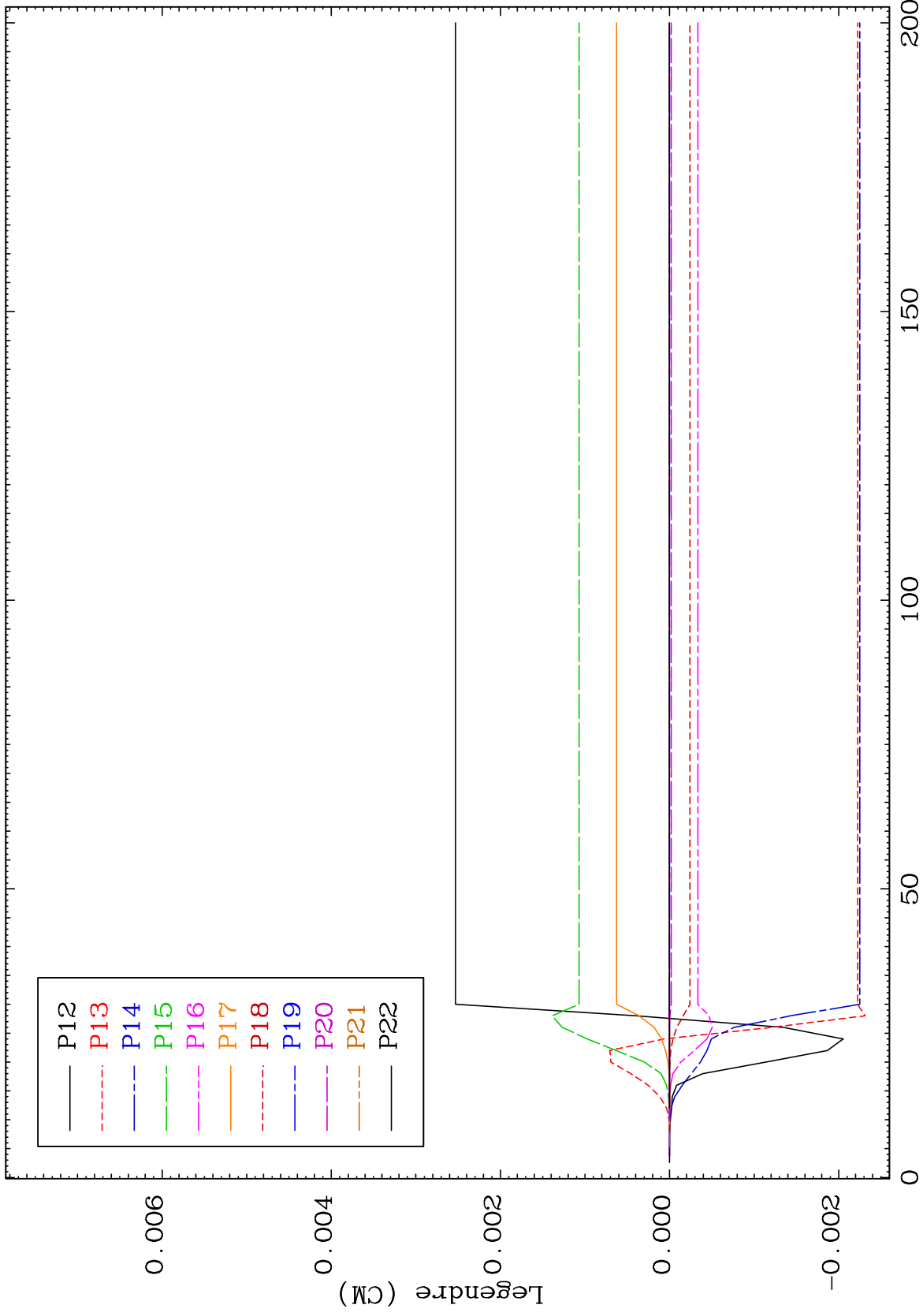




MAT 7140

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

71-Lu-180



74

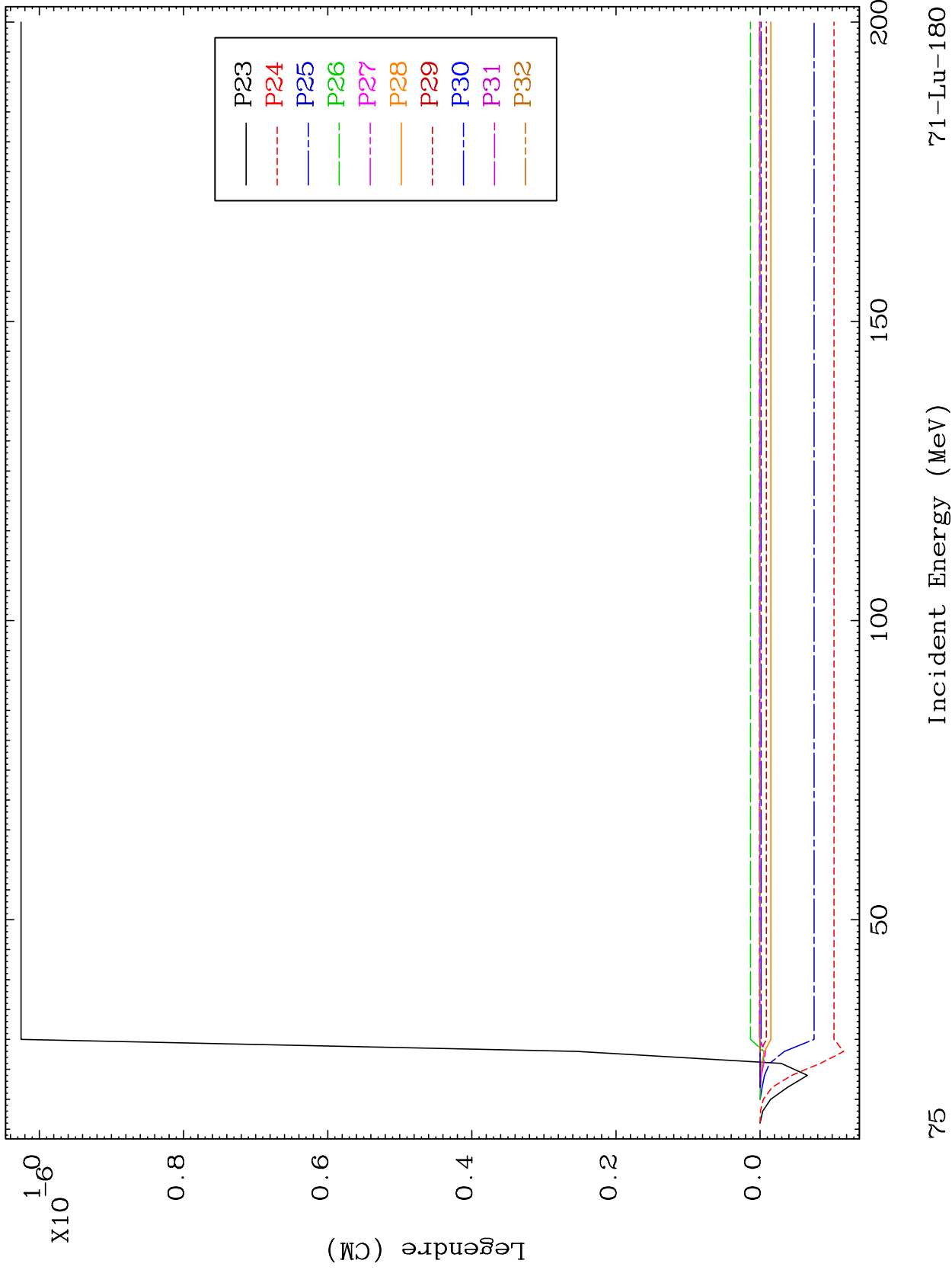
Incident Energy (MeV)

71-Lu-180

MAT 7140

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

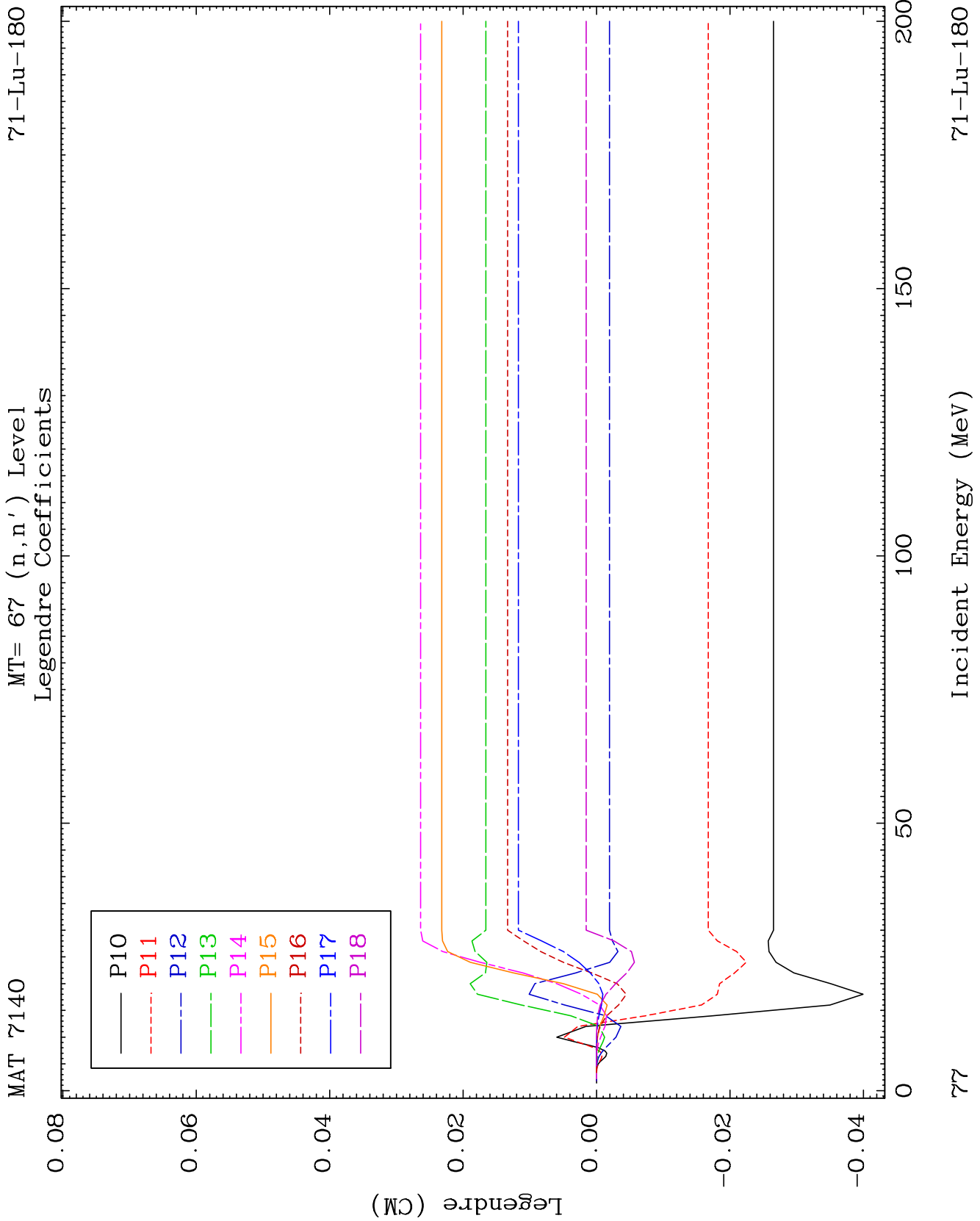
71-Lu-180



75

Incident Energy (MeV)

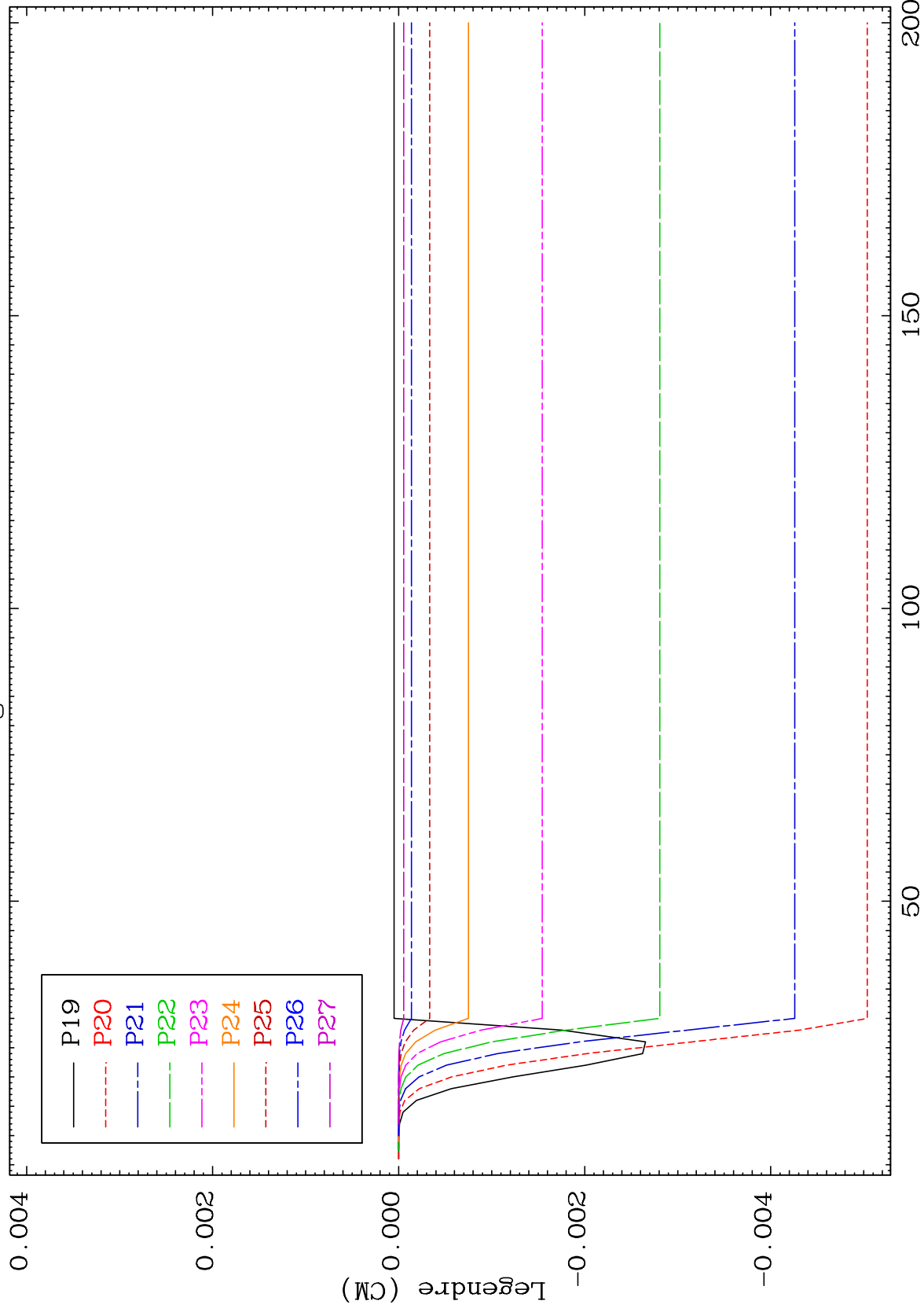
71-Lu-180



MAT 7140

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

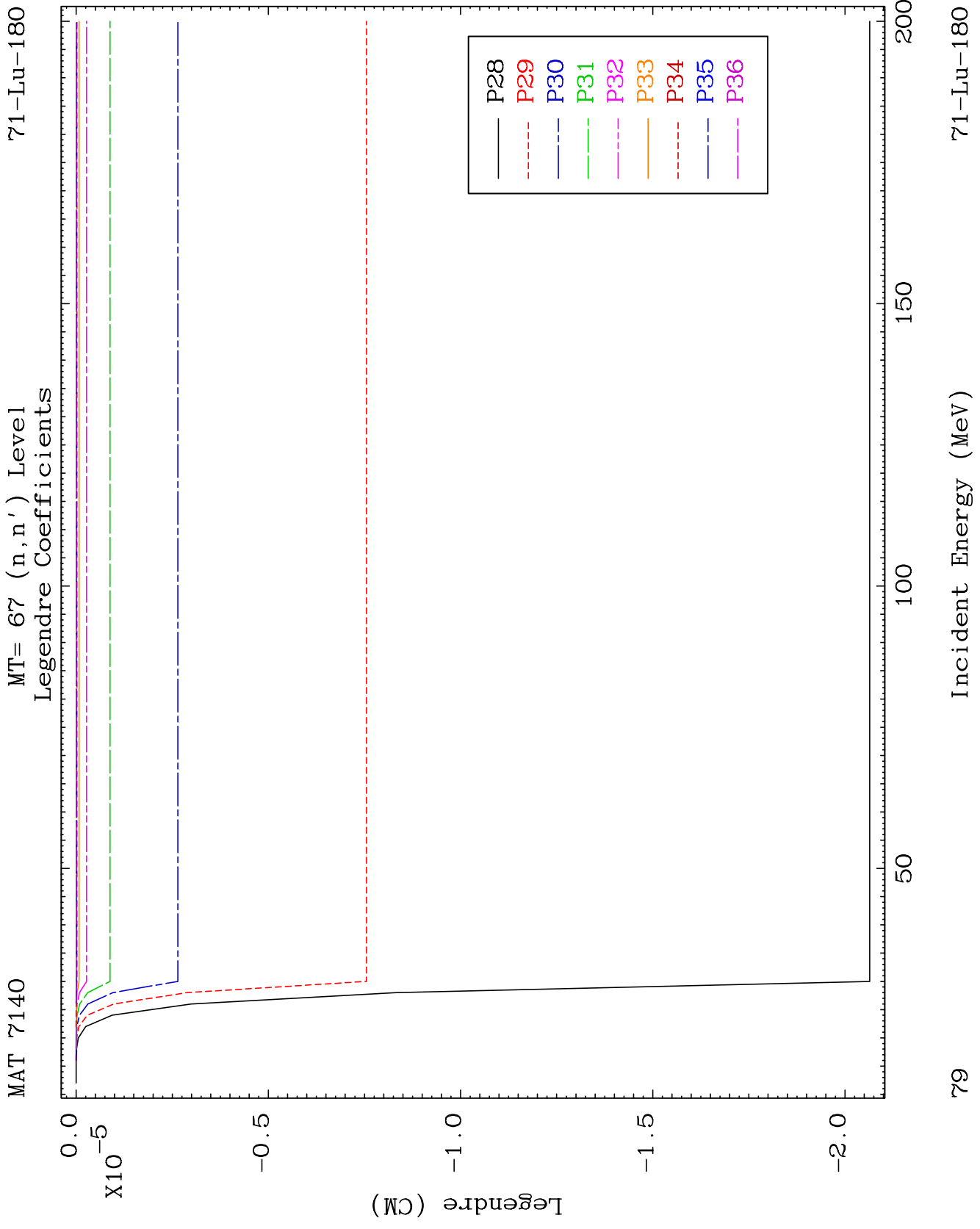
71-Lu-180



78

Incident Energy (MeV)

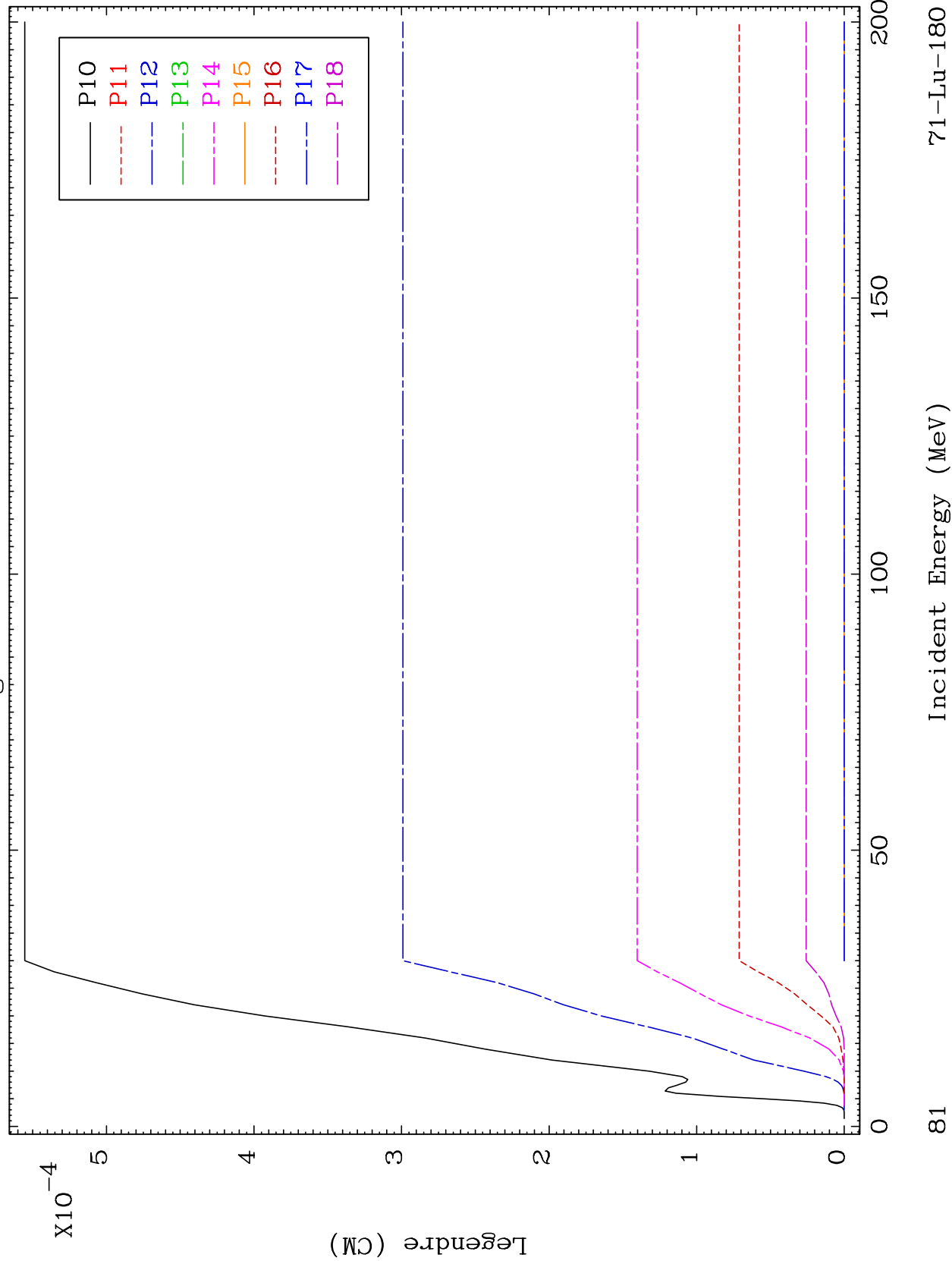
71-Lu-180



MAT 7140

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

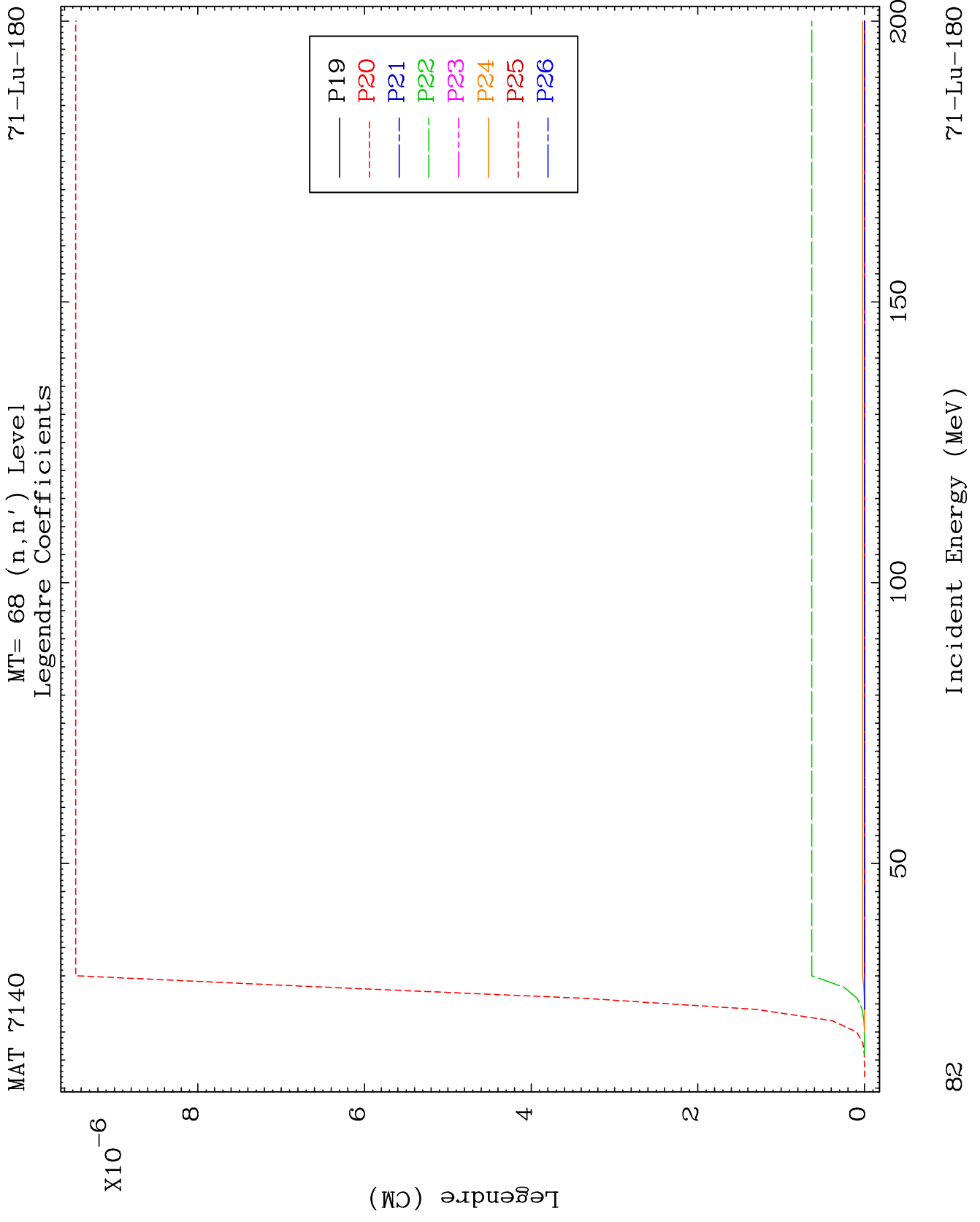
71-Lu-180

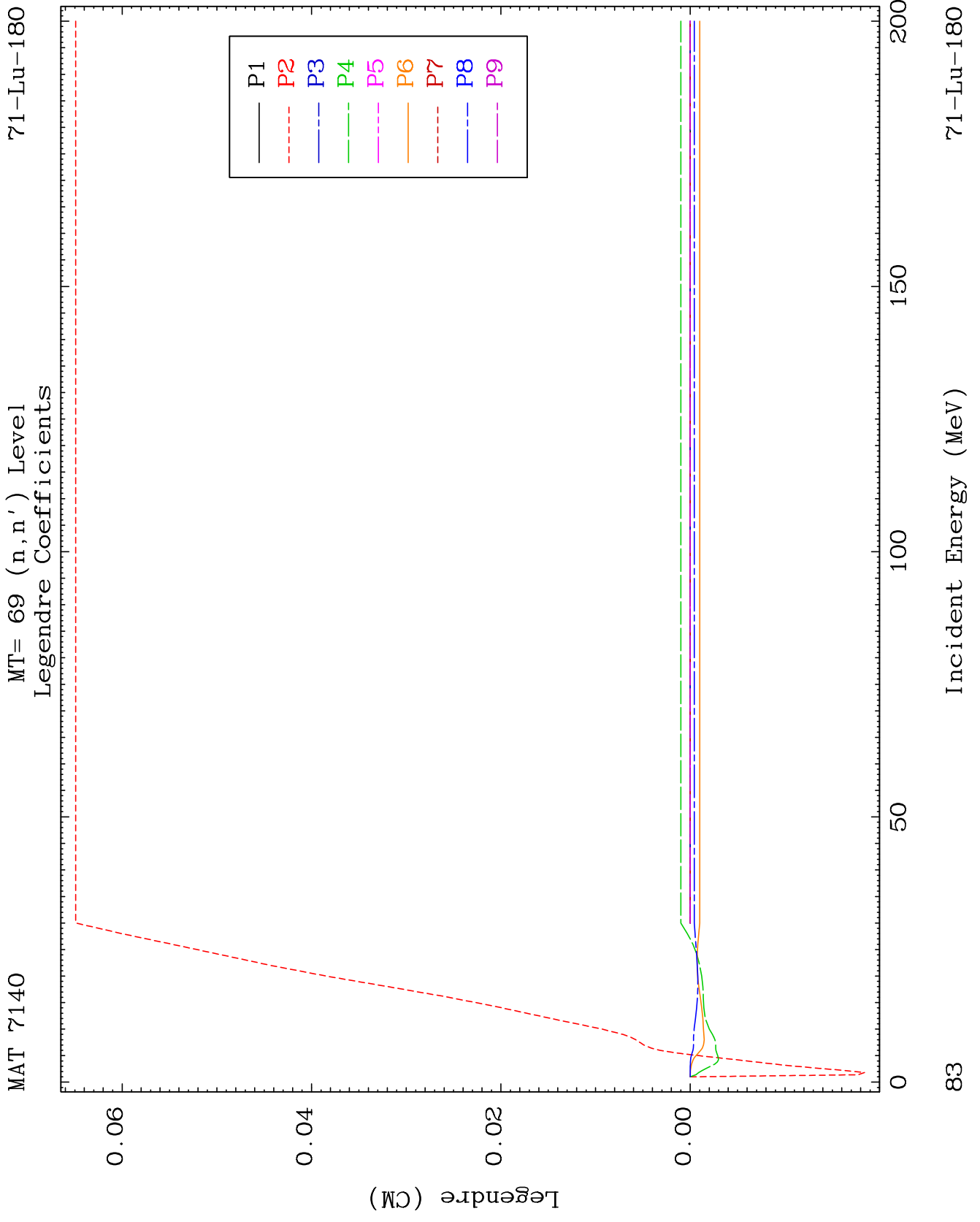


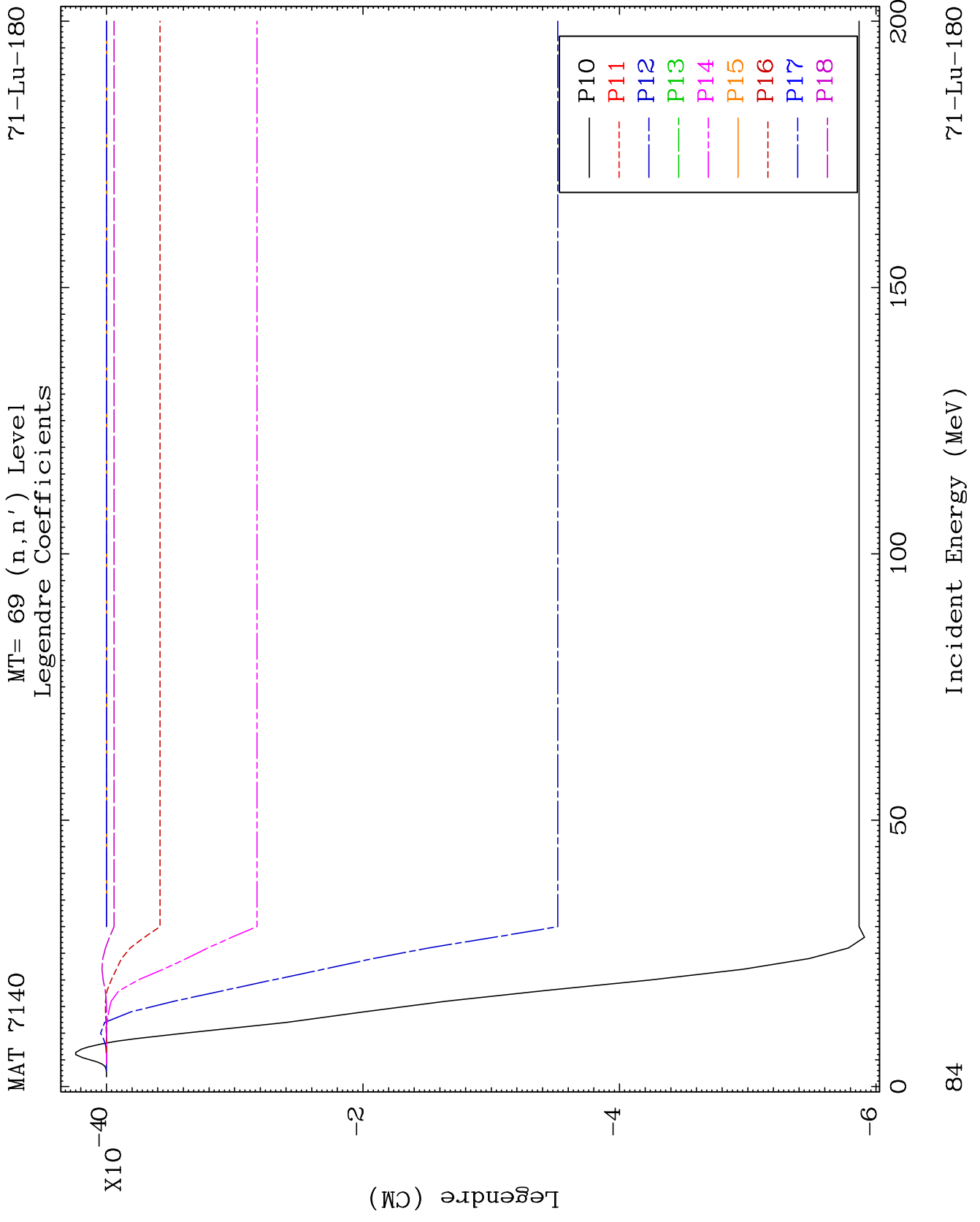
81

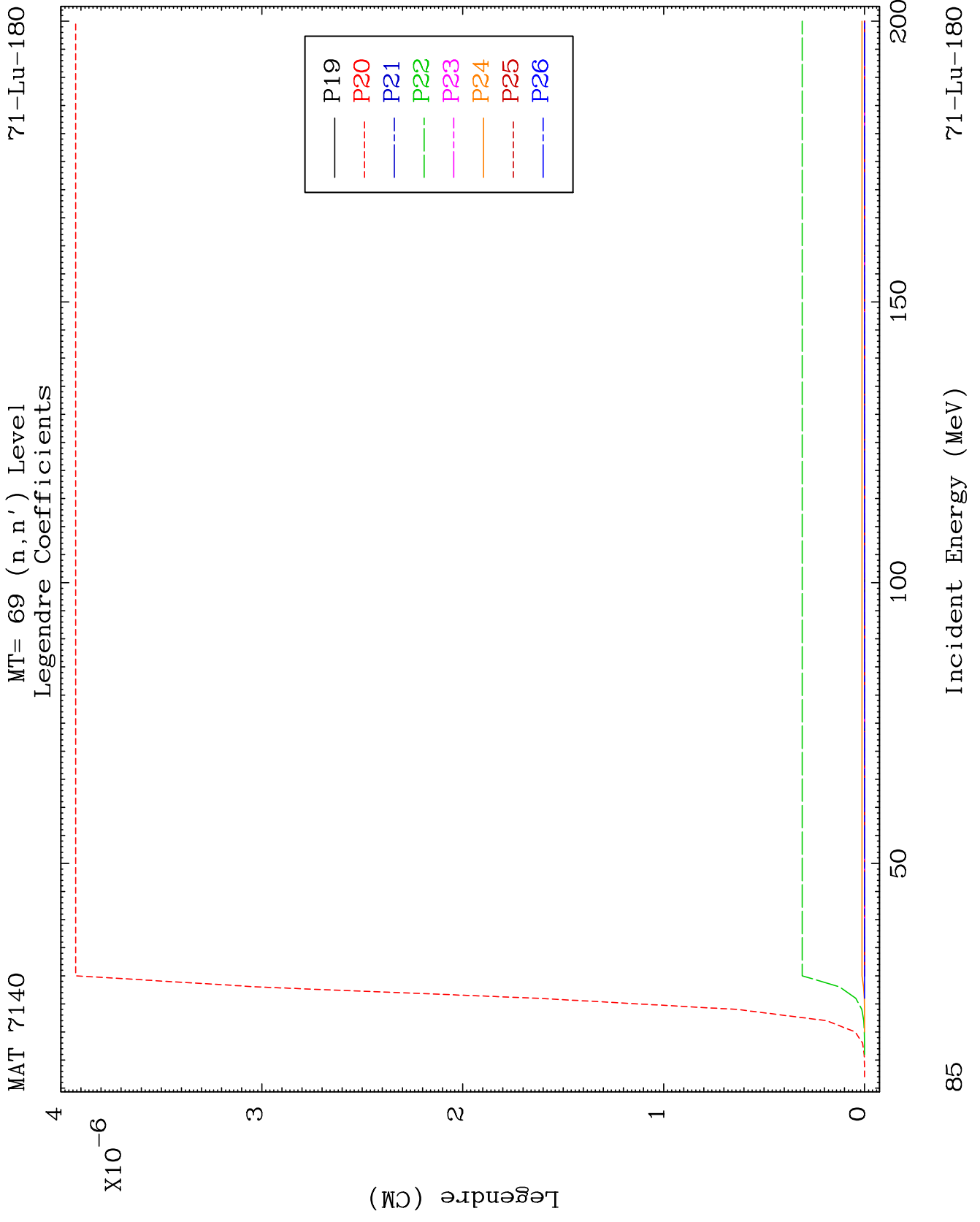
Incident Energy (MeV)

71-Lu-180





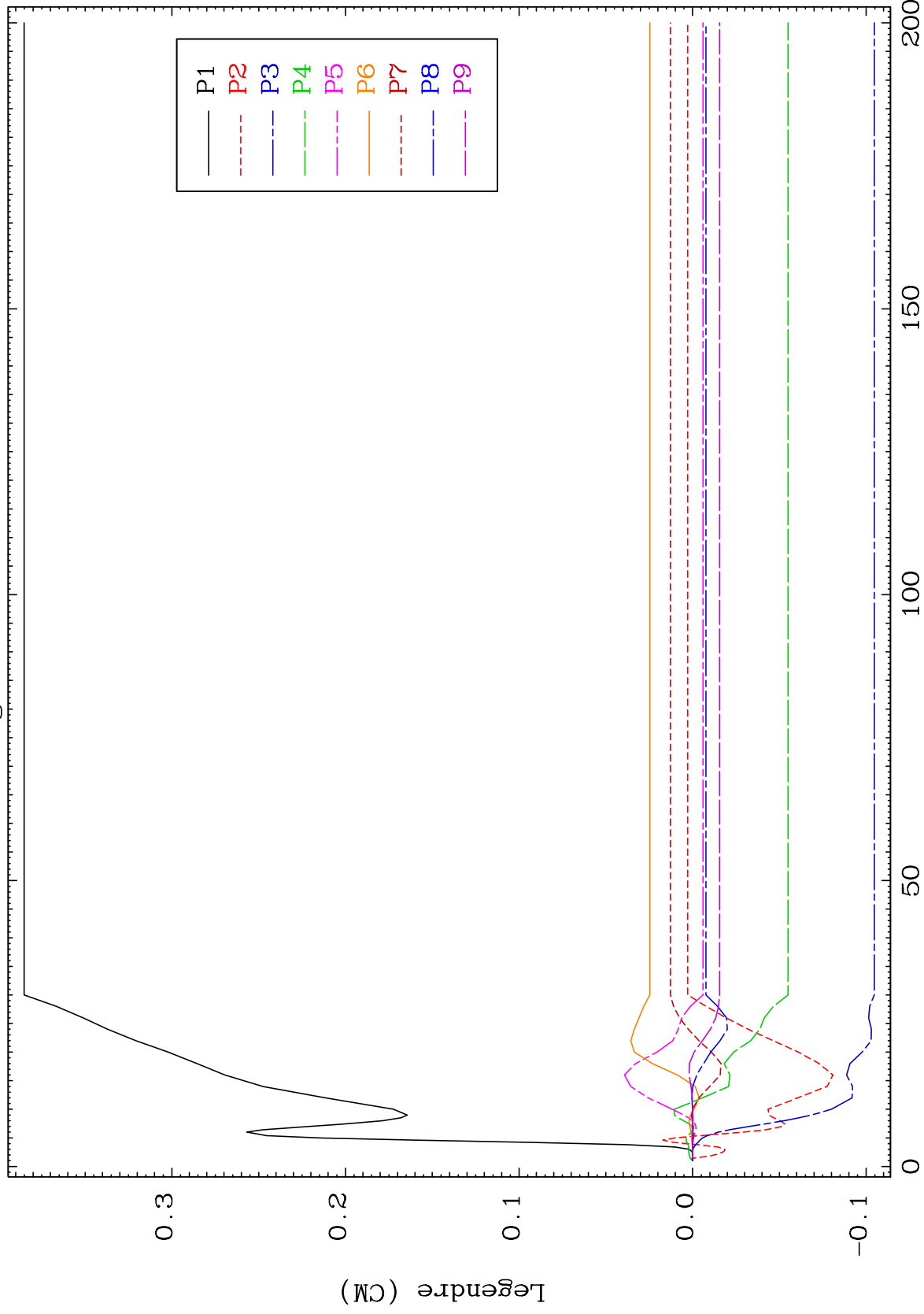




MAT 7140

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

71-Lu-180



86

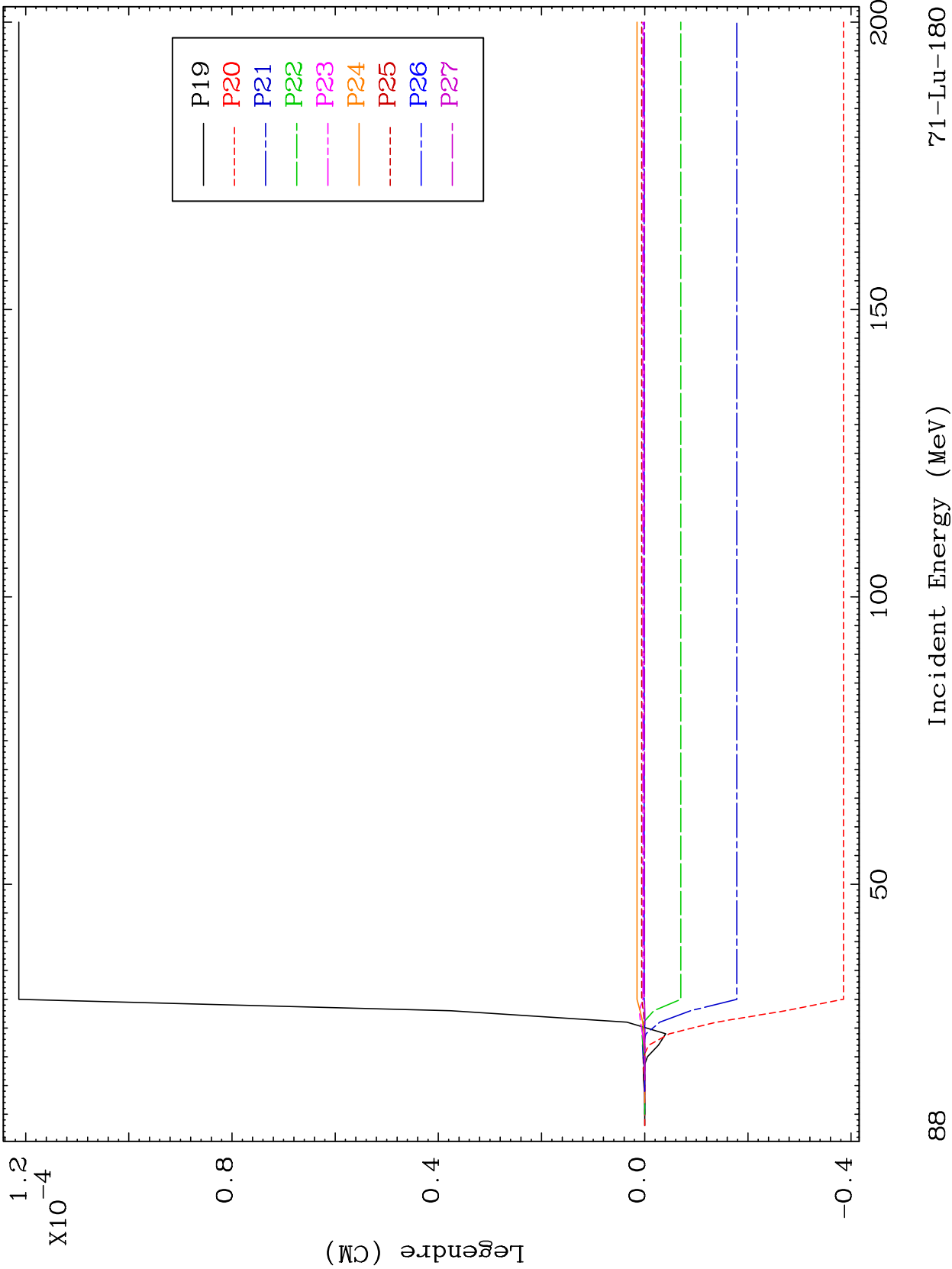
Incident Energy (MeV)

71-Lu-180

MAT 7140

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

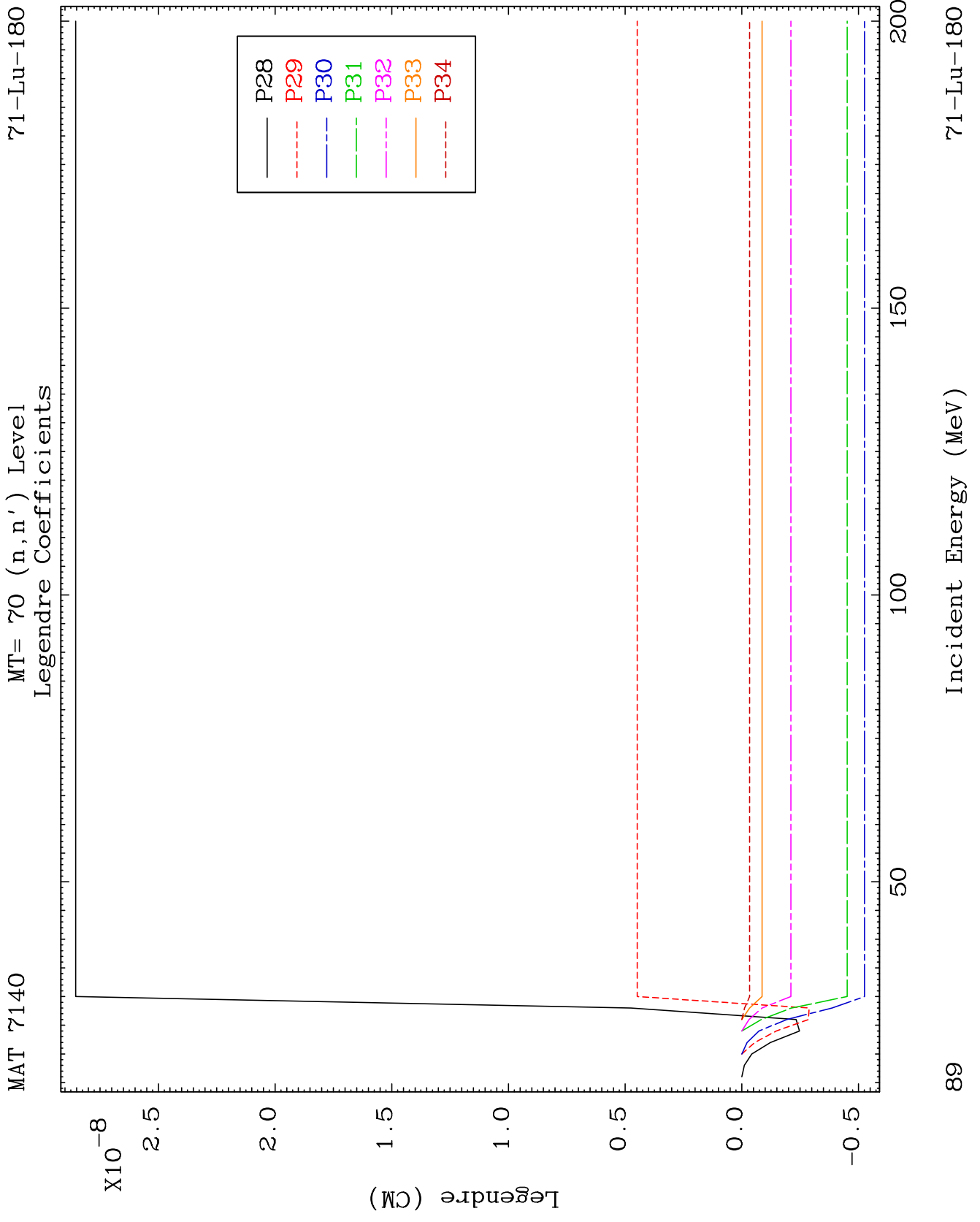
71-Lu-180

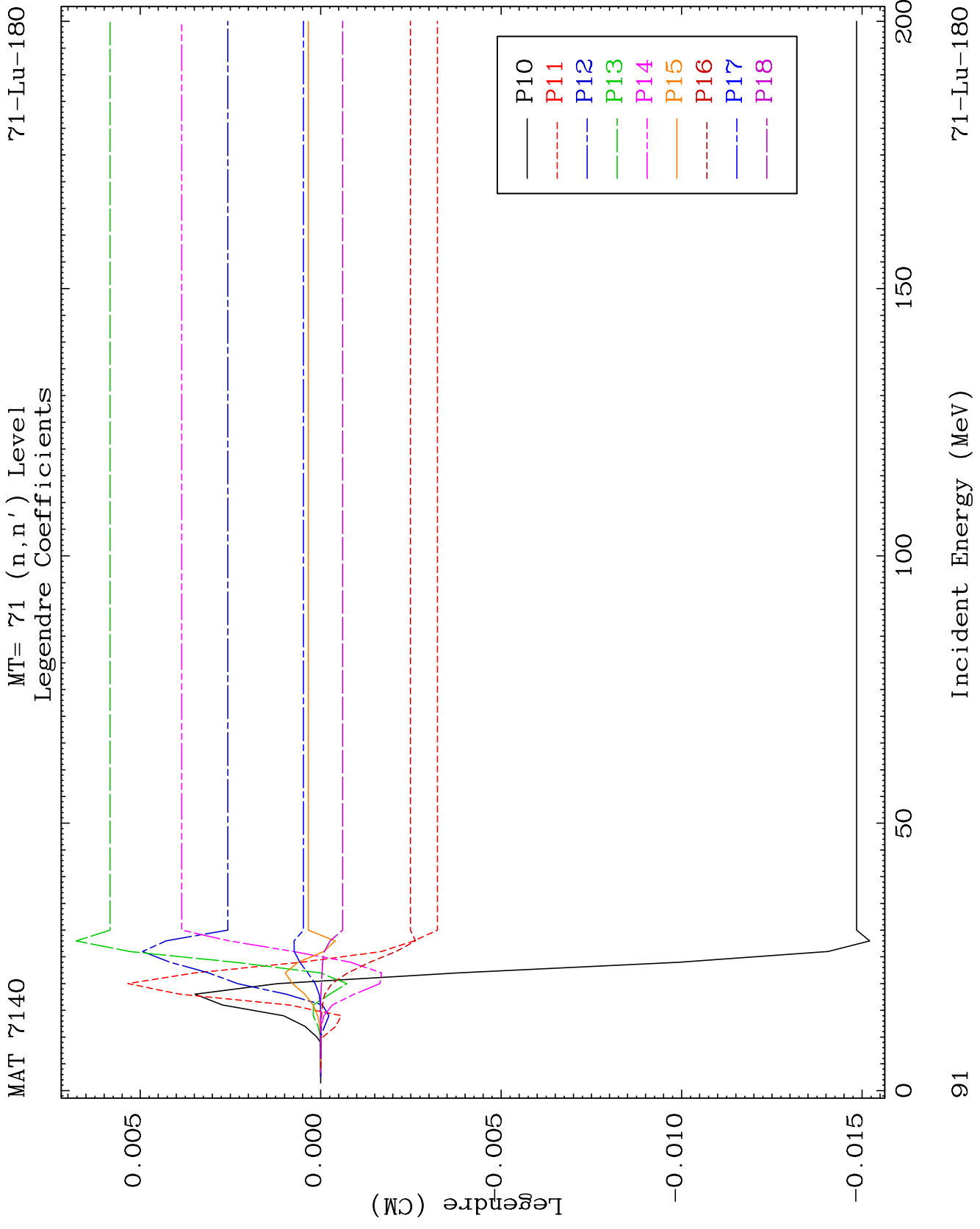


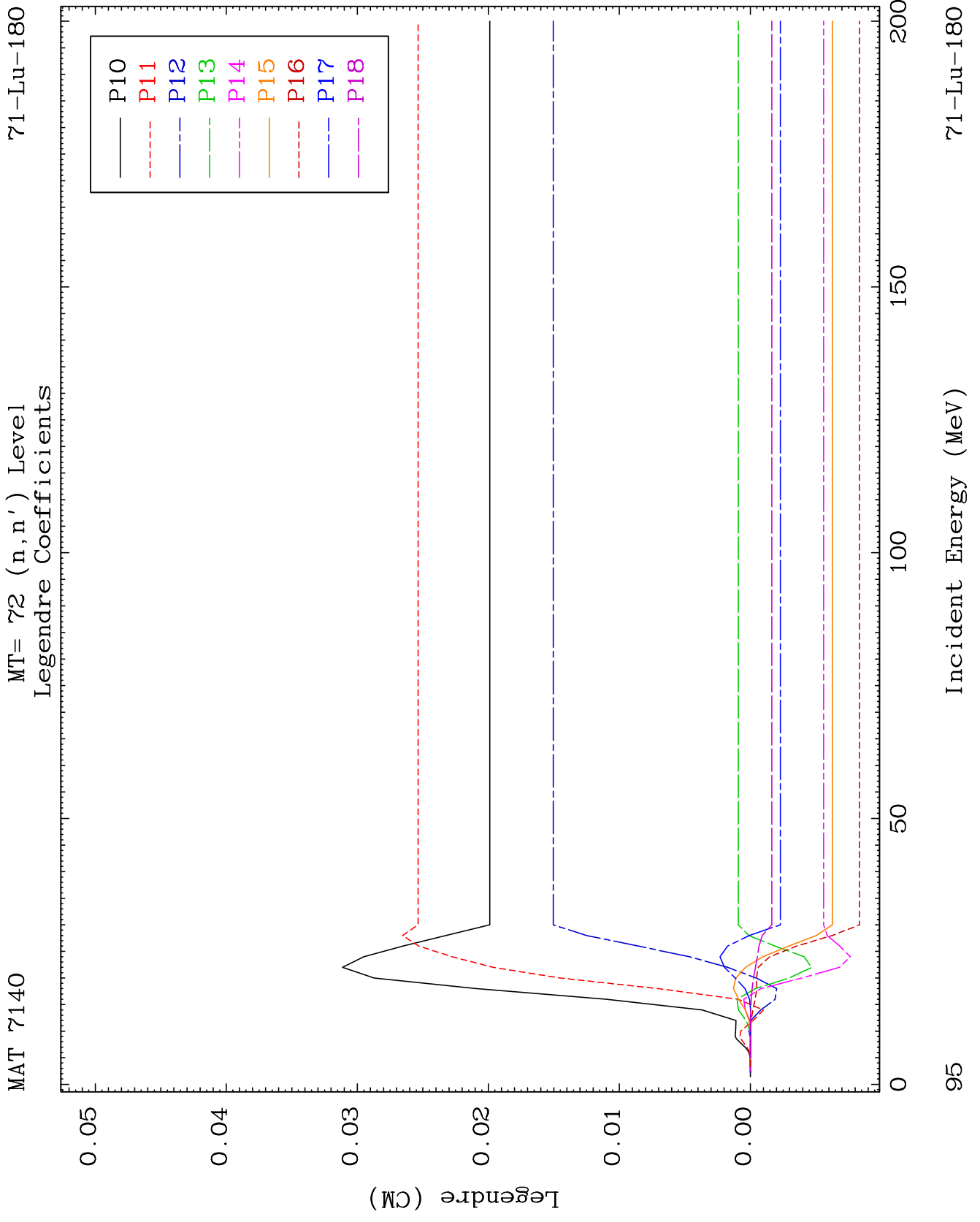
88

Incident Energy (MeV)

71-Lu-180



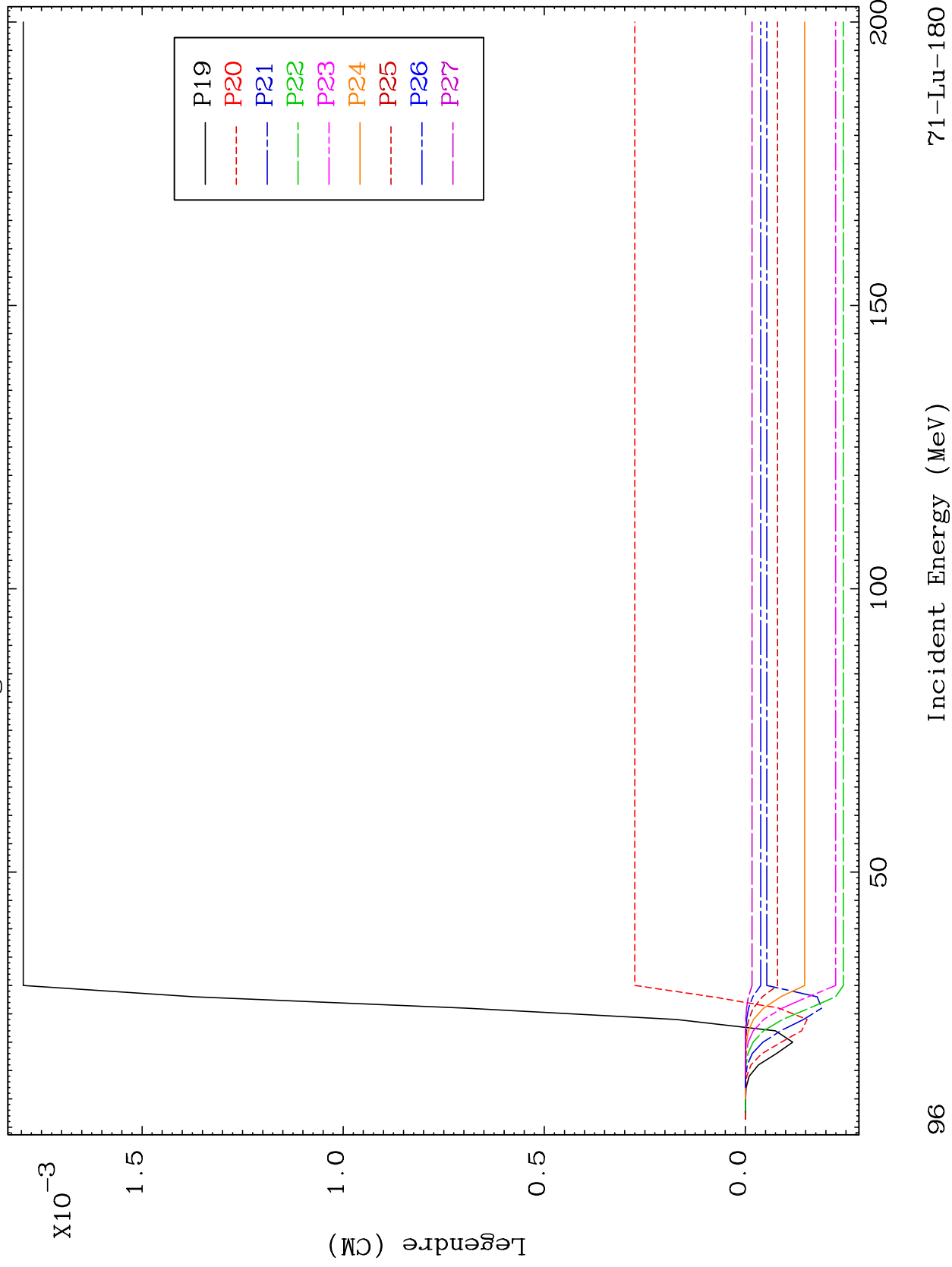




MAT 7140

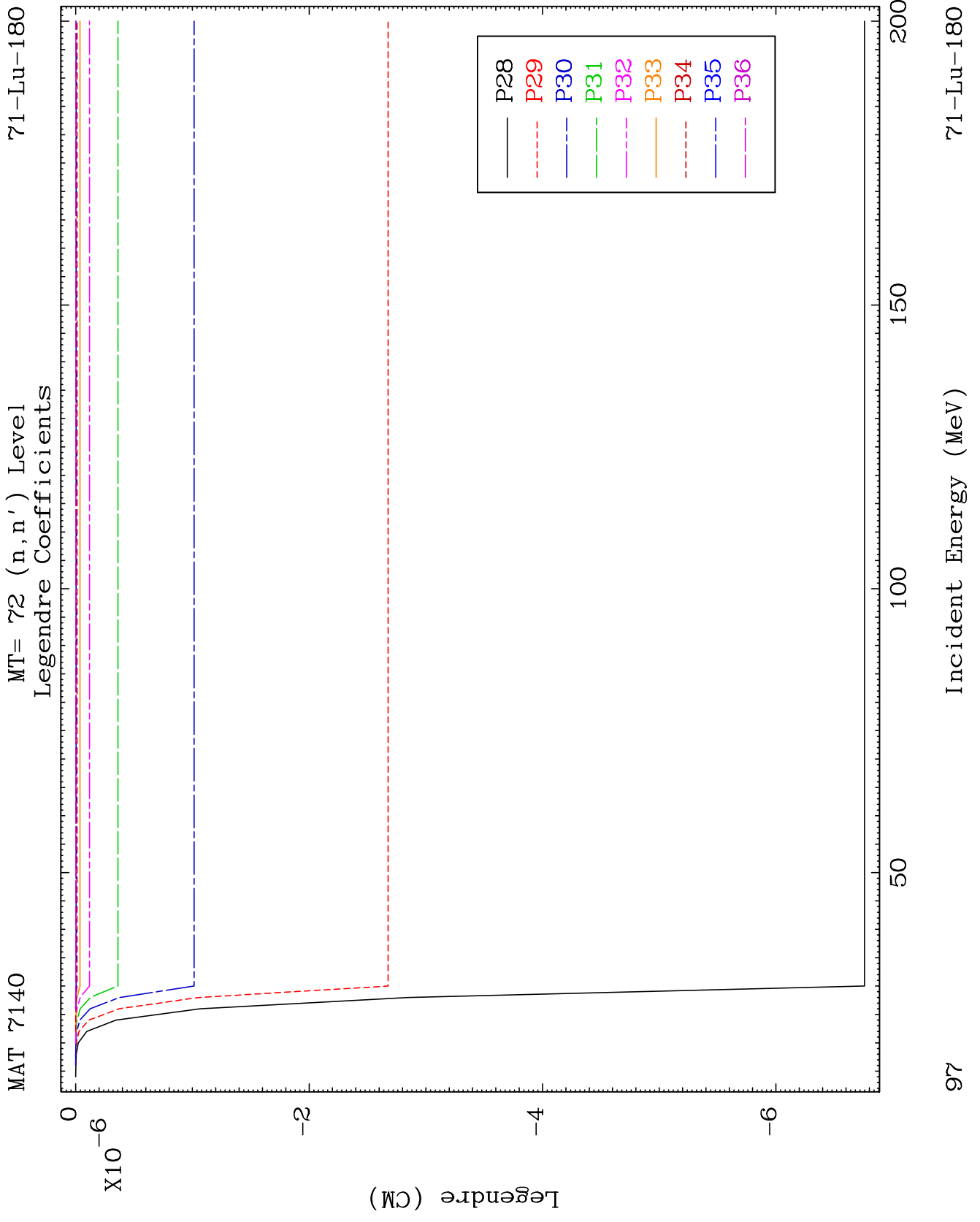
MT= 72 (n,n') Level
Legendre Coefficients

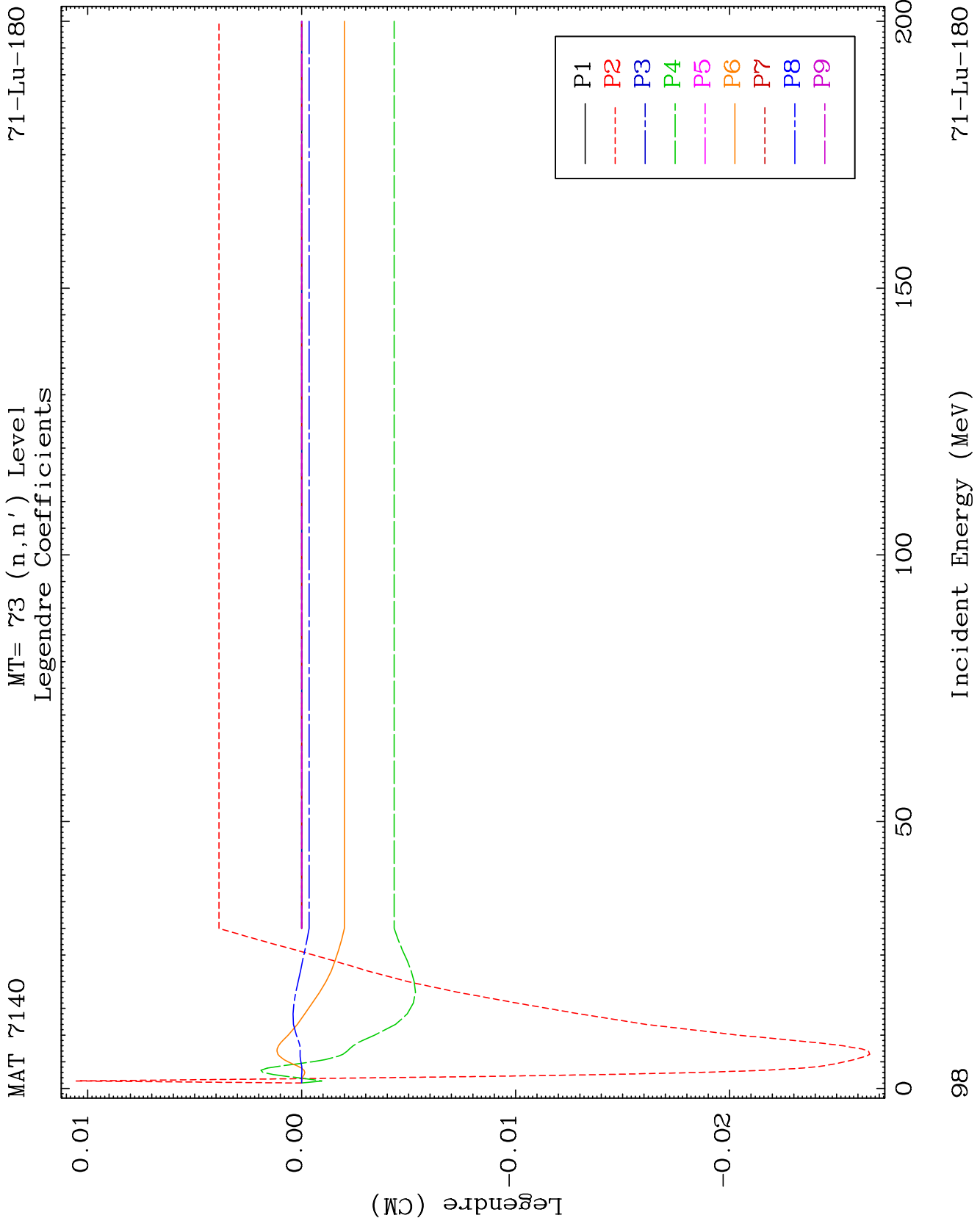
71-Lu-180

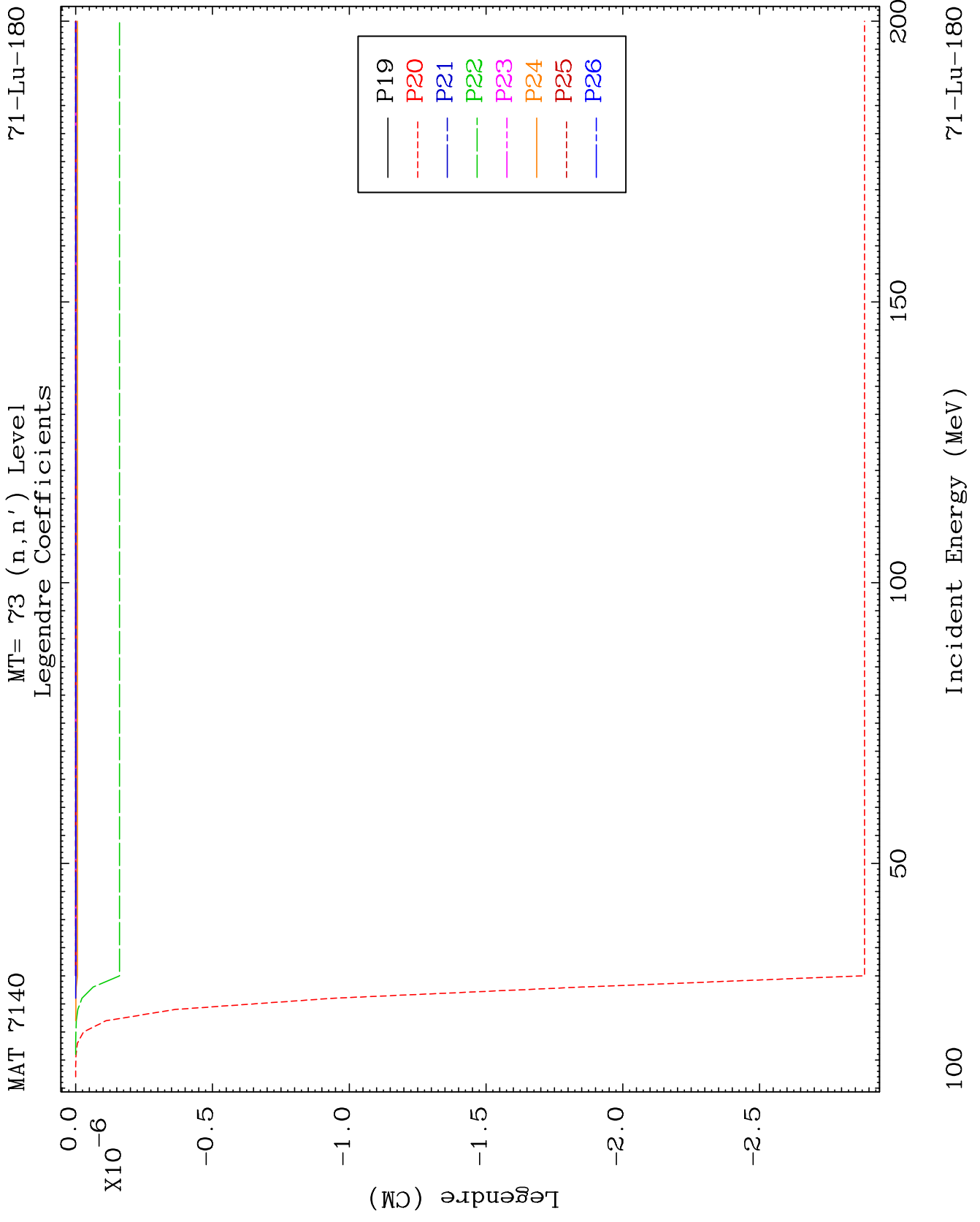


96

71-Lu-180



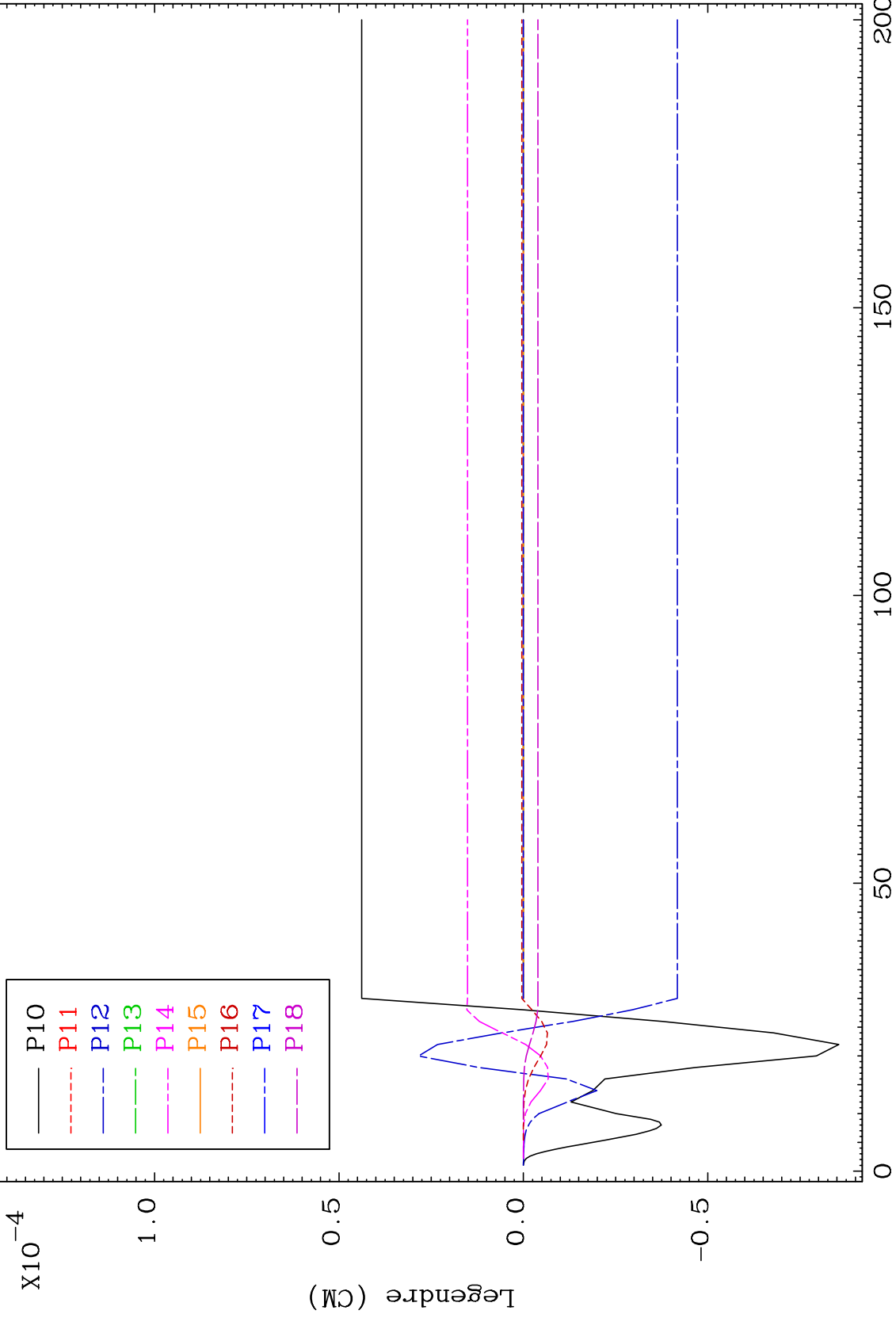
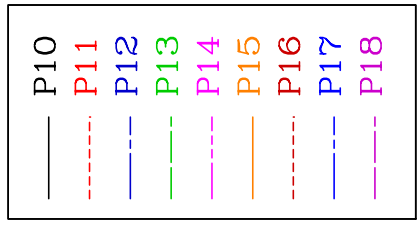




MAT 7140

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

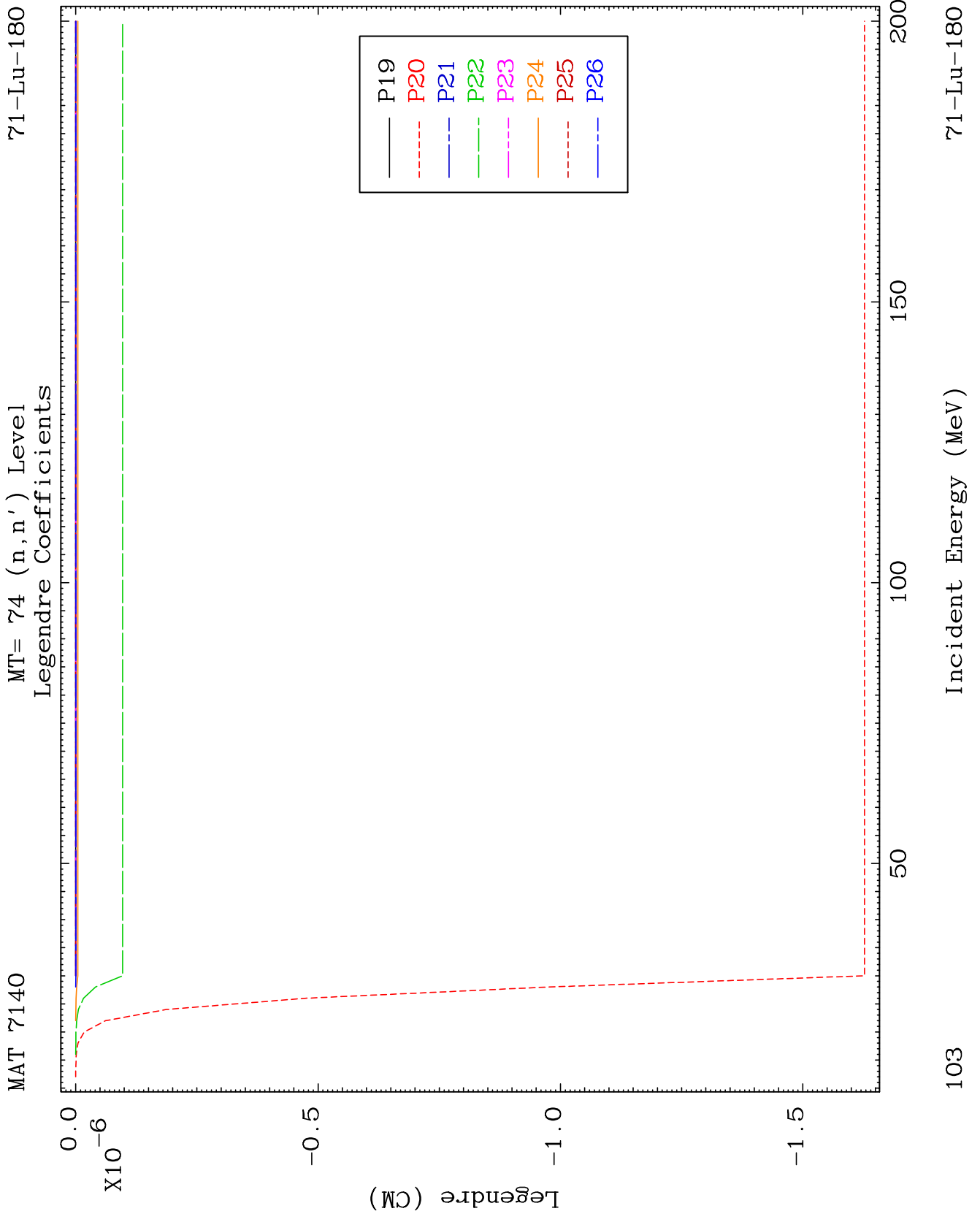
71-Lu-180



102

Incident Energy (MeV)

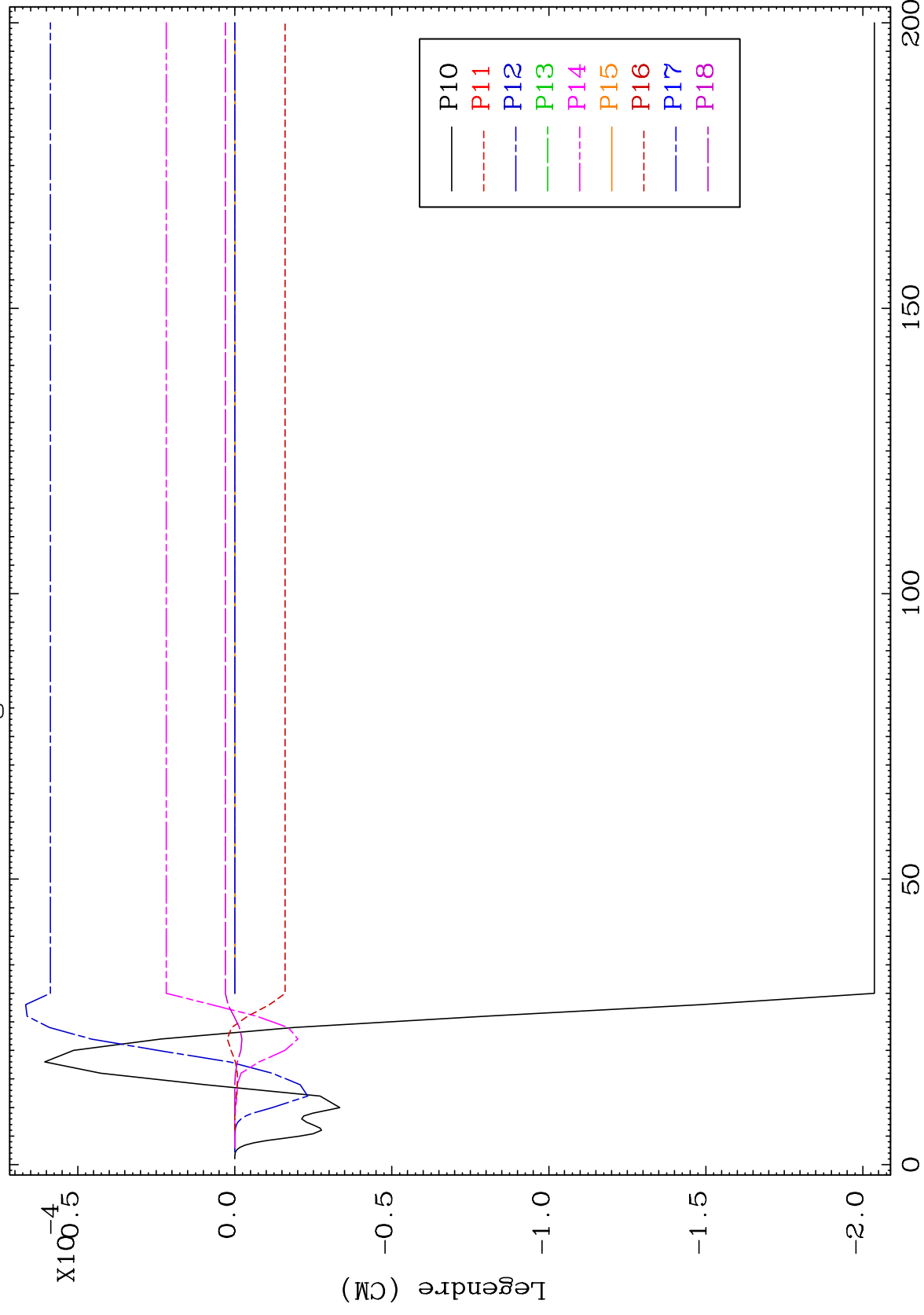
71-Lu-180



MAT 7140

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

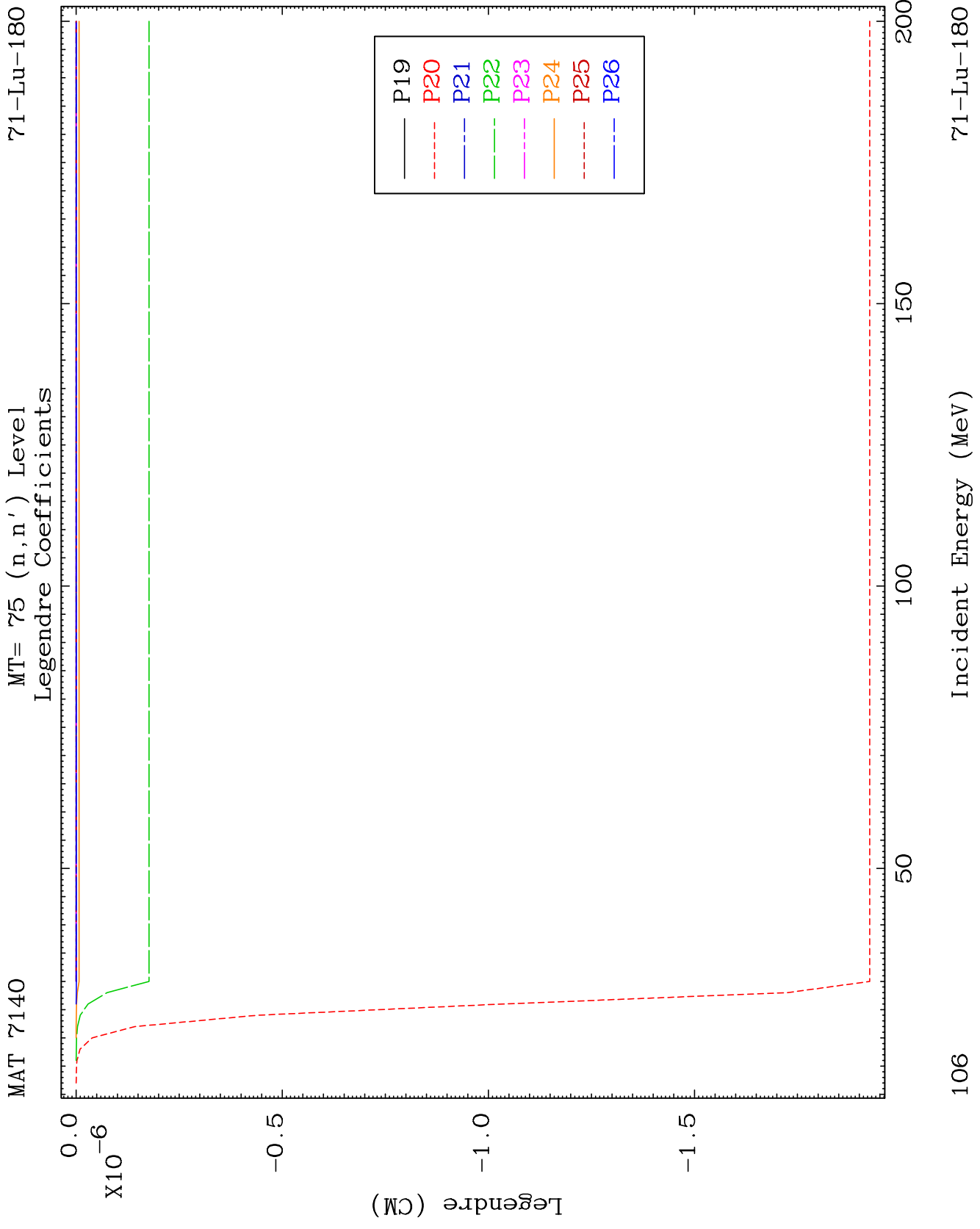
71-Lu-180

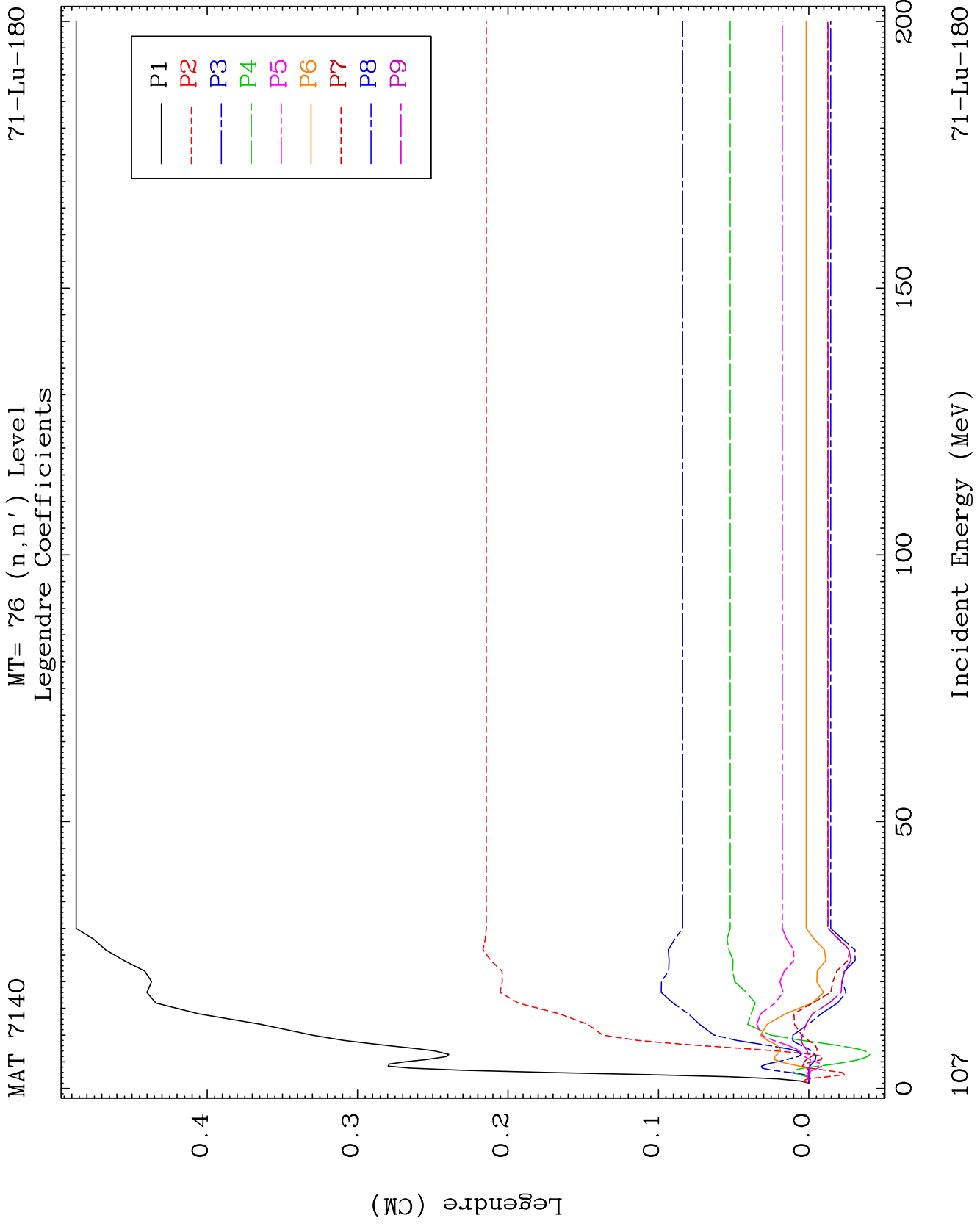


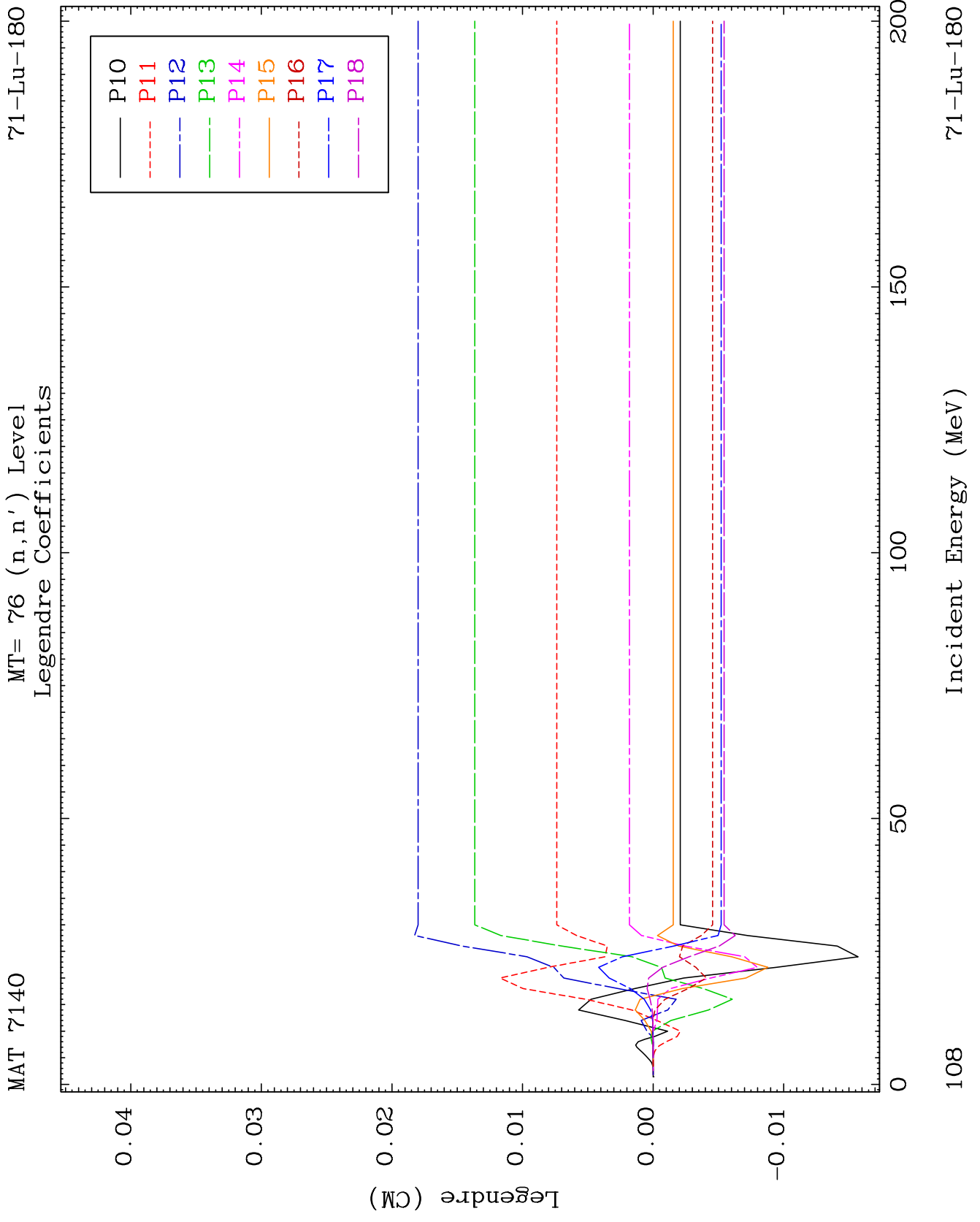
105

Incident Energy (MeV)

71-Lu-180



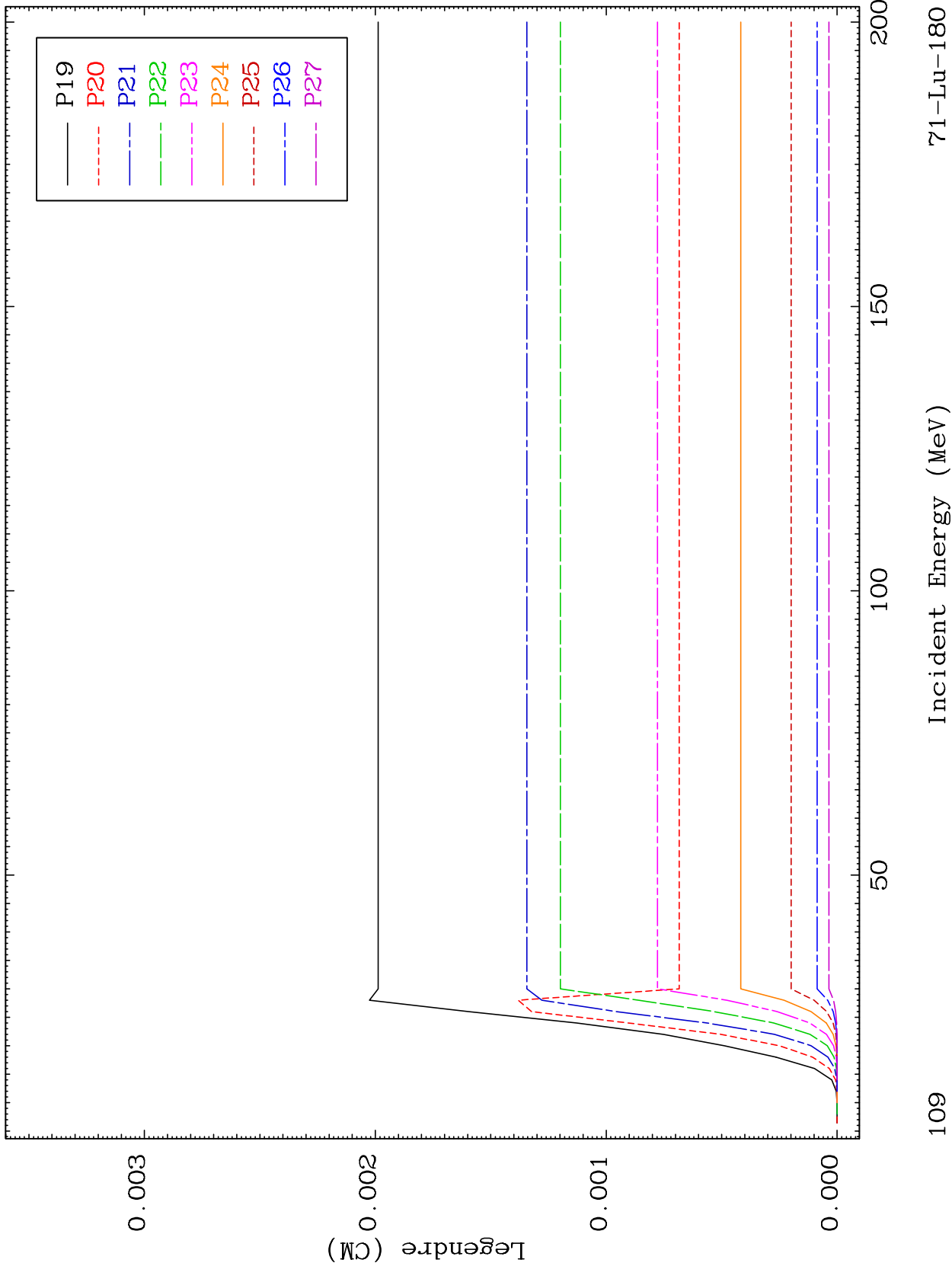




MAT 7140

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

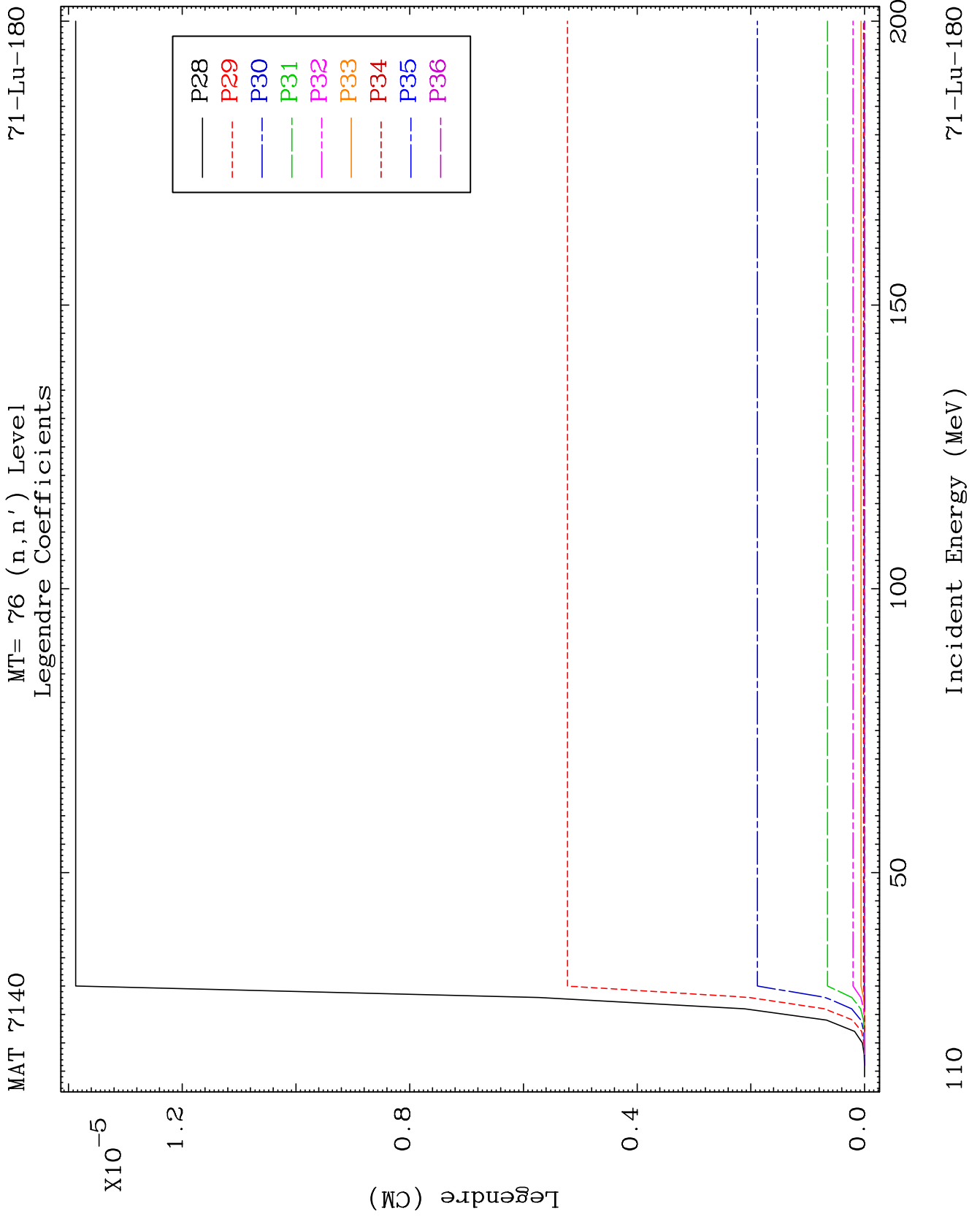
71-Lu-180

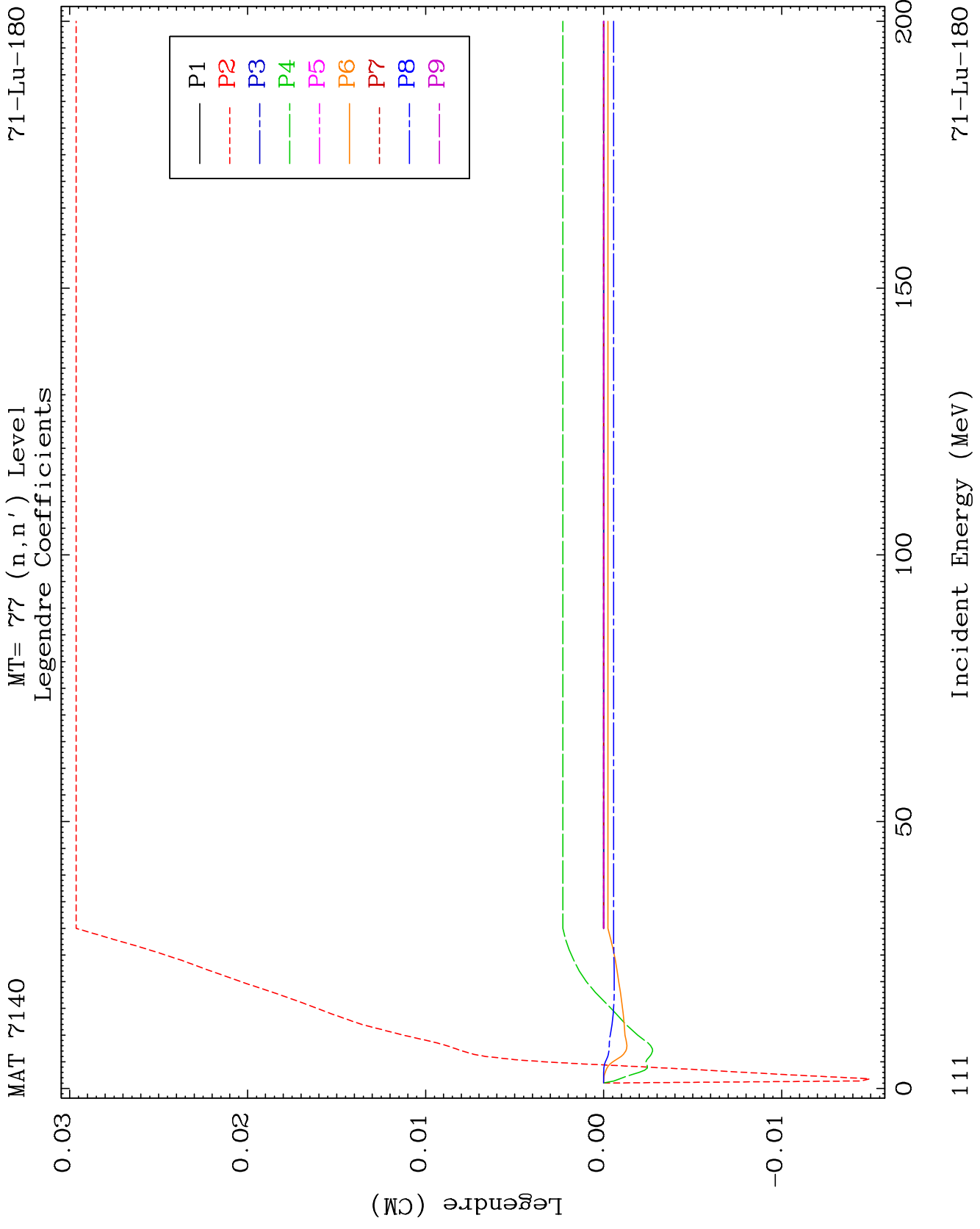


109

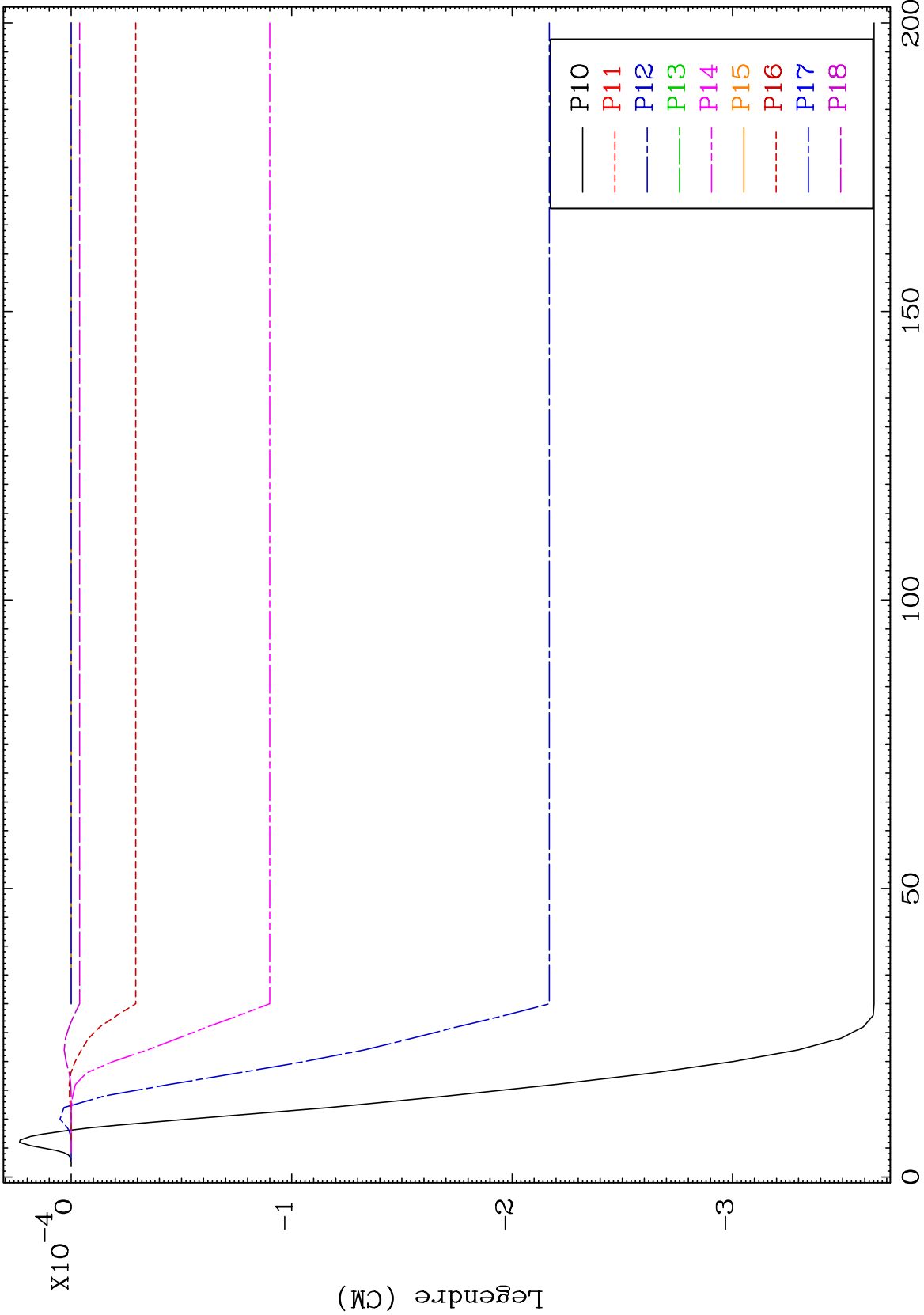
Incident Energy (MeV)

71-Lu-180

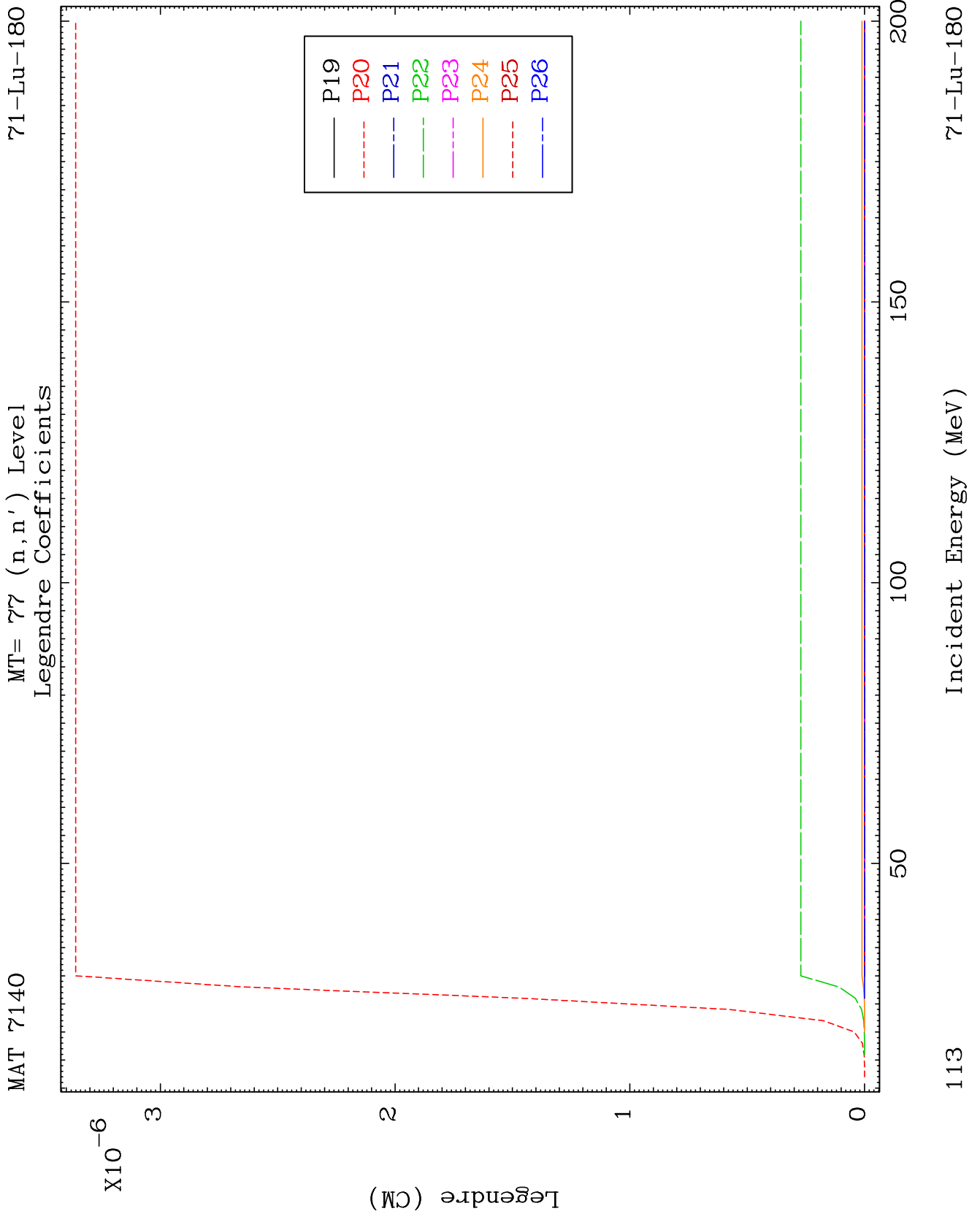




MAT 7140 MT= 77 (n,n') Level Legendre Coefficients 71-Lu-180



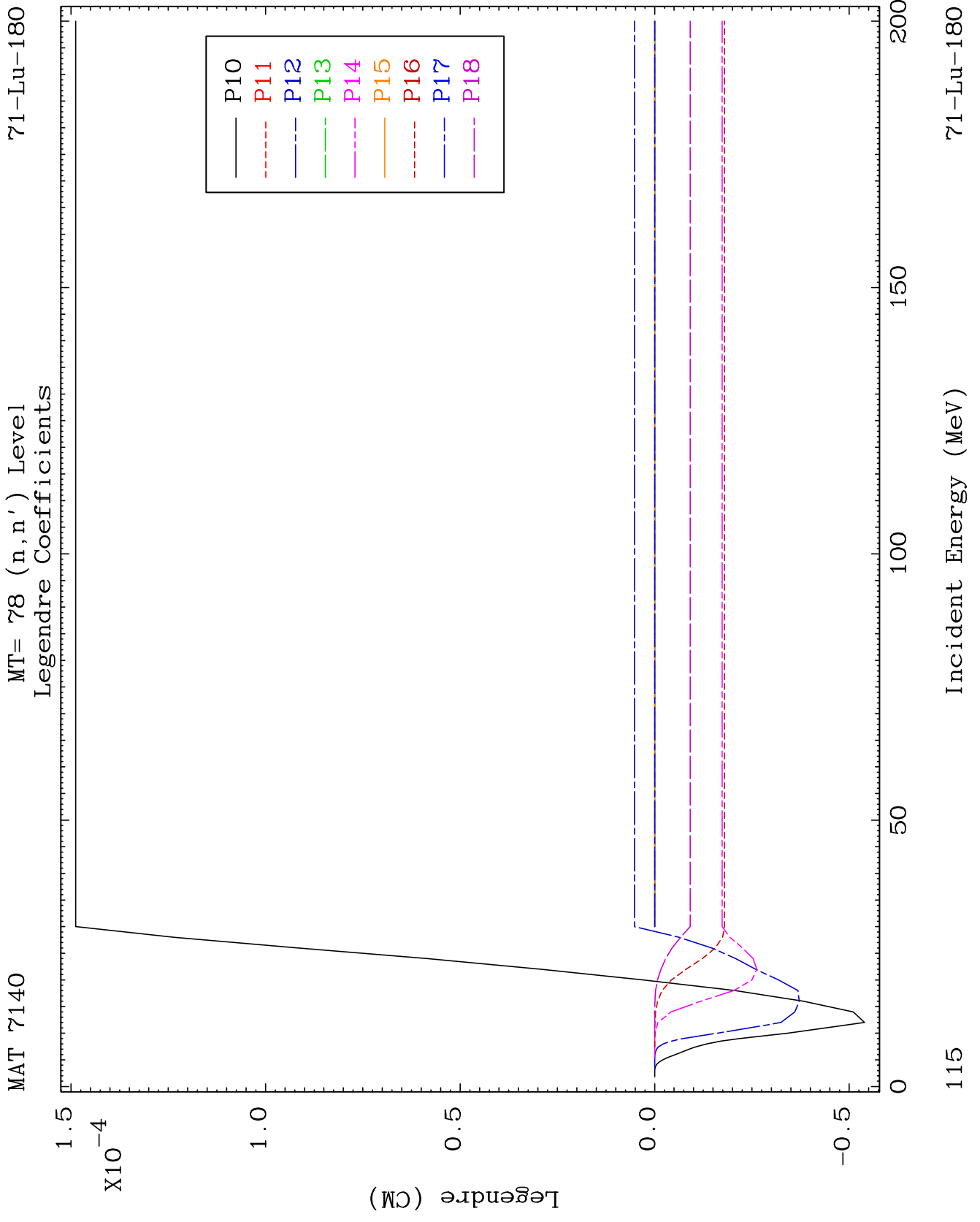
112 71-Lu-180

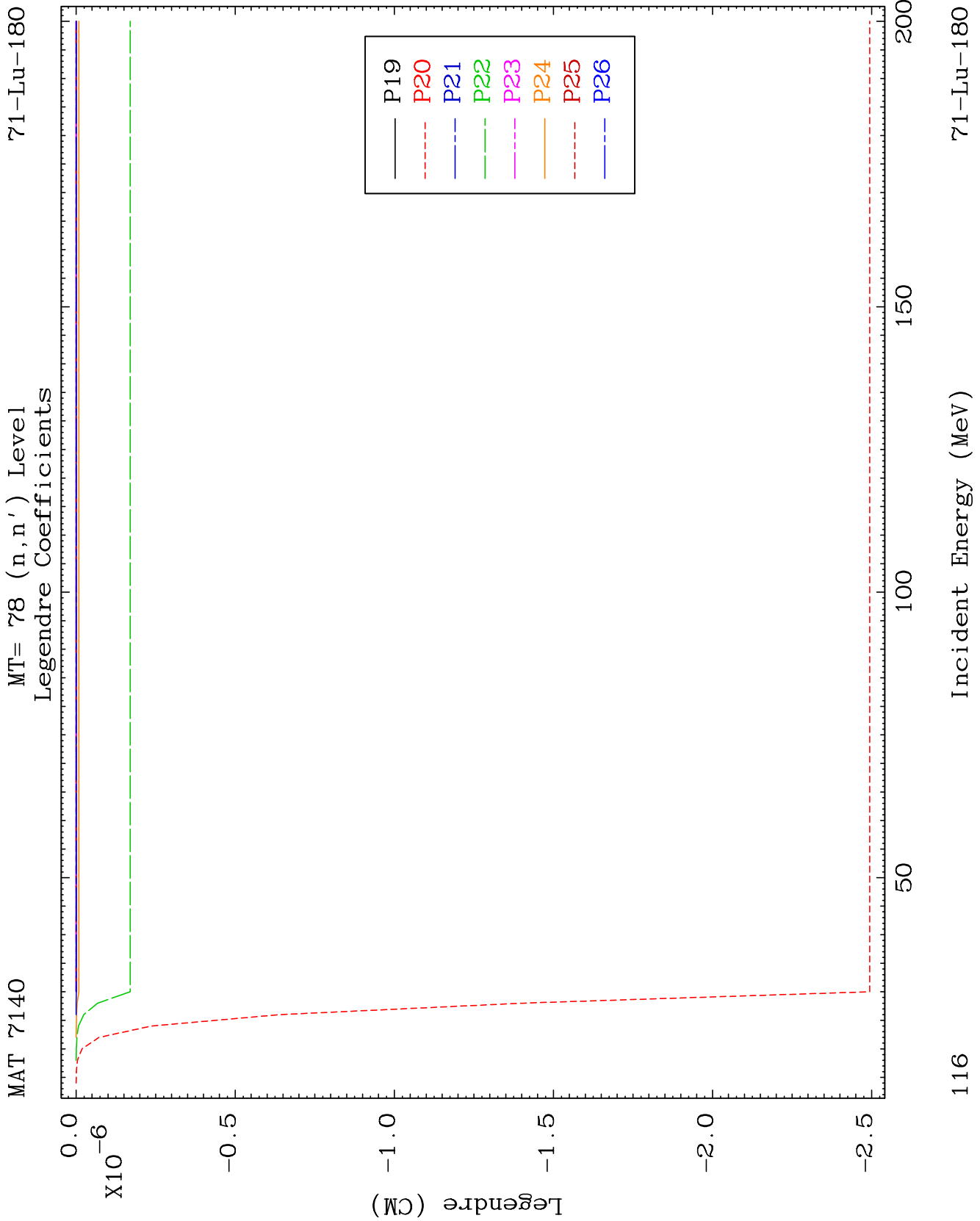


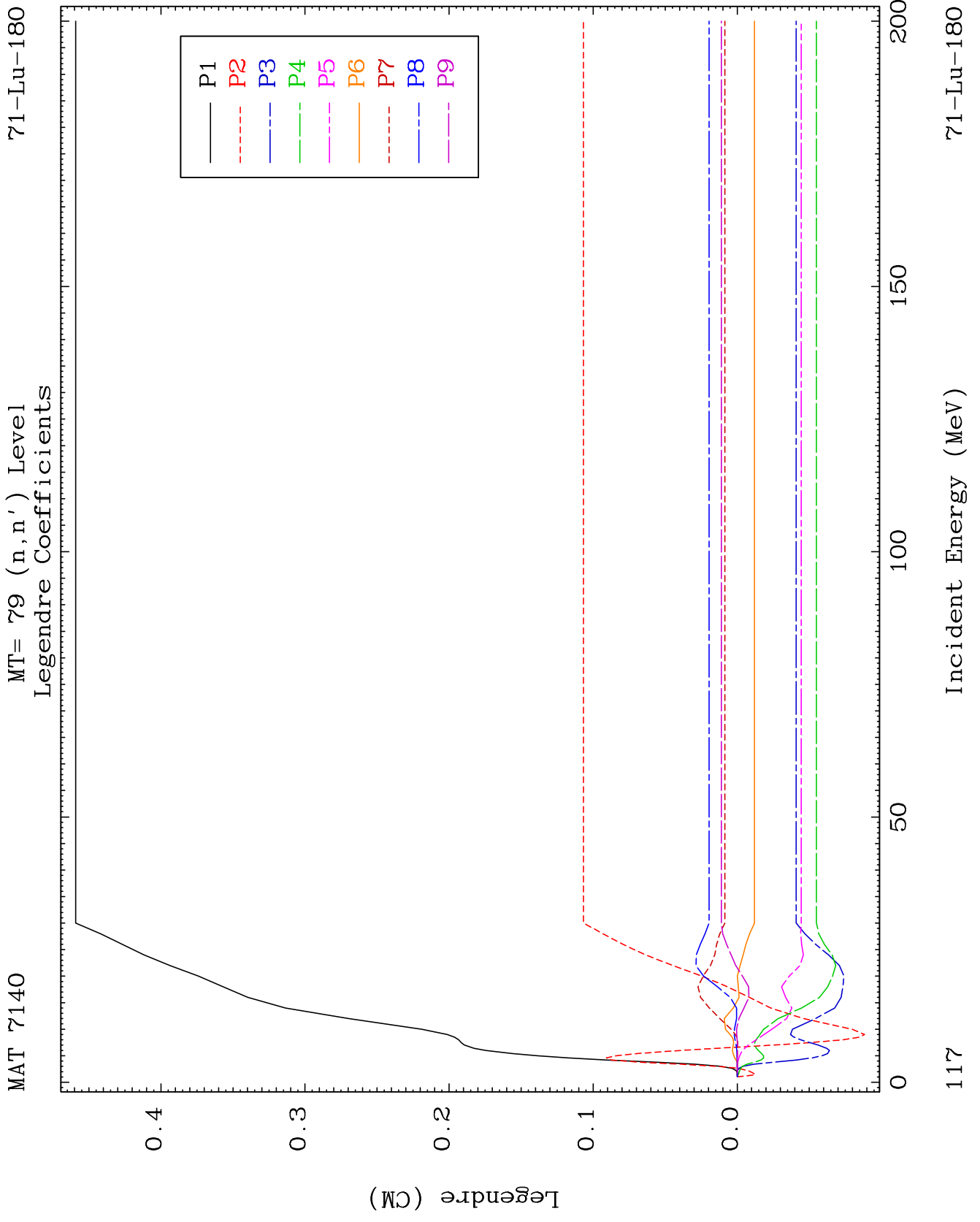
71-Lu-180

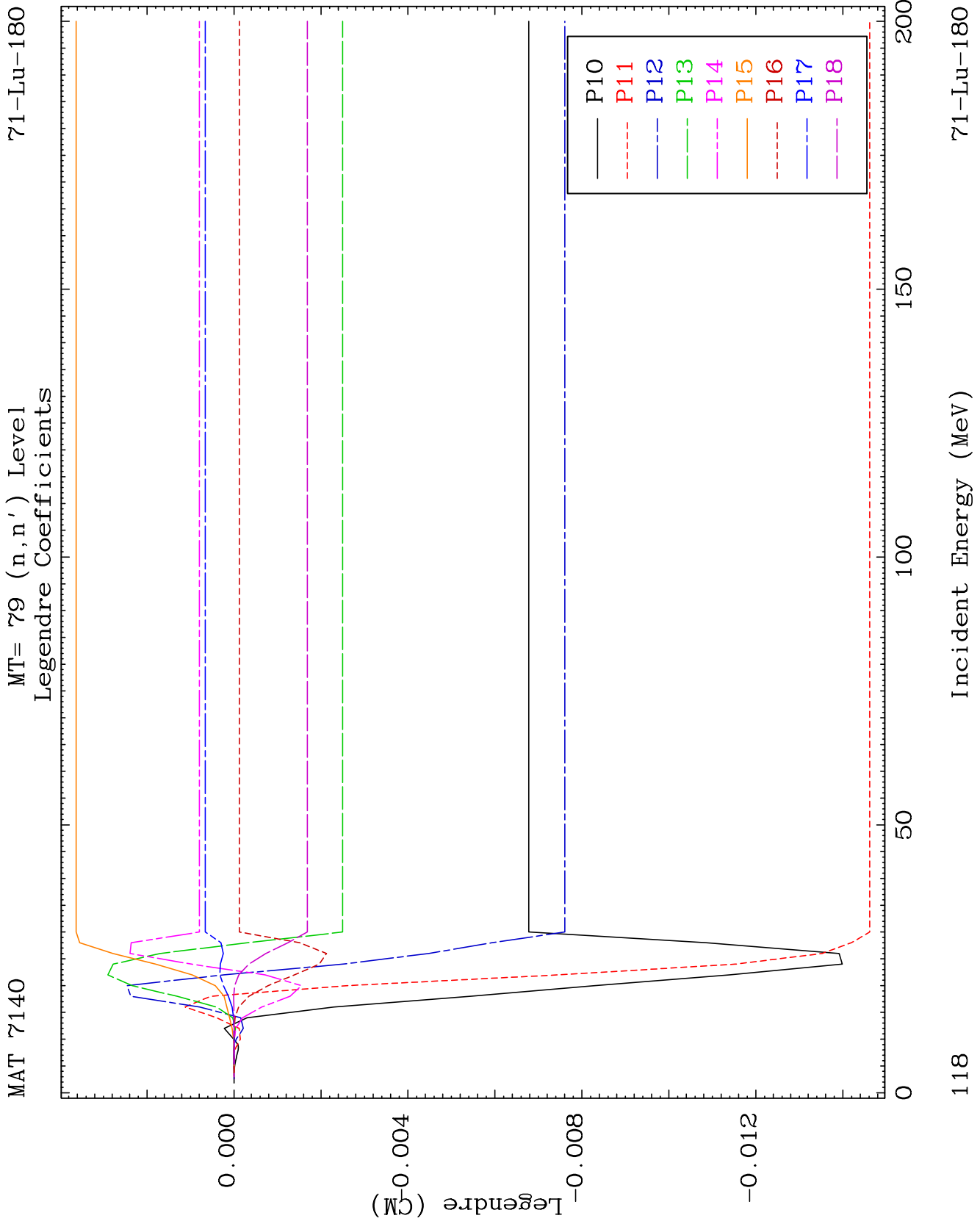
Incident Energy (MeV)

113





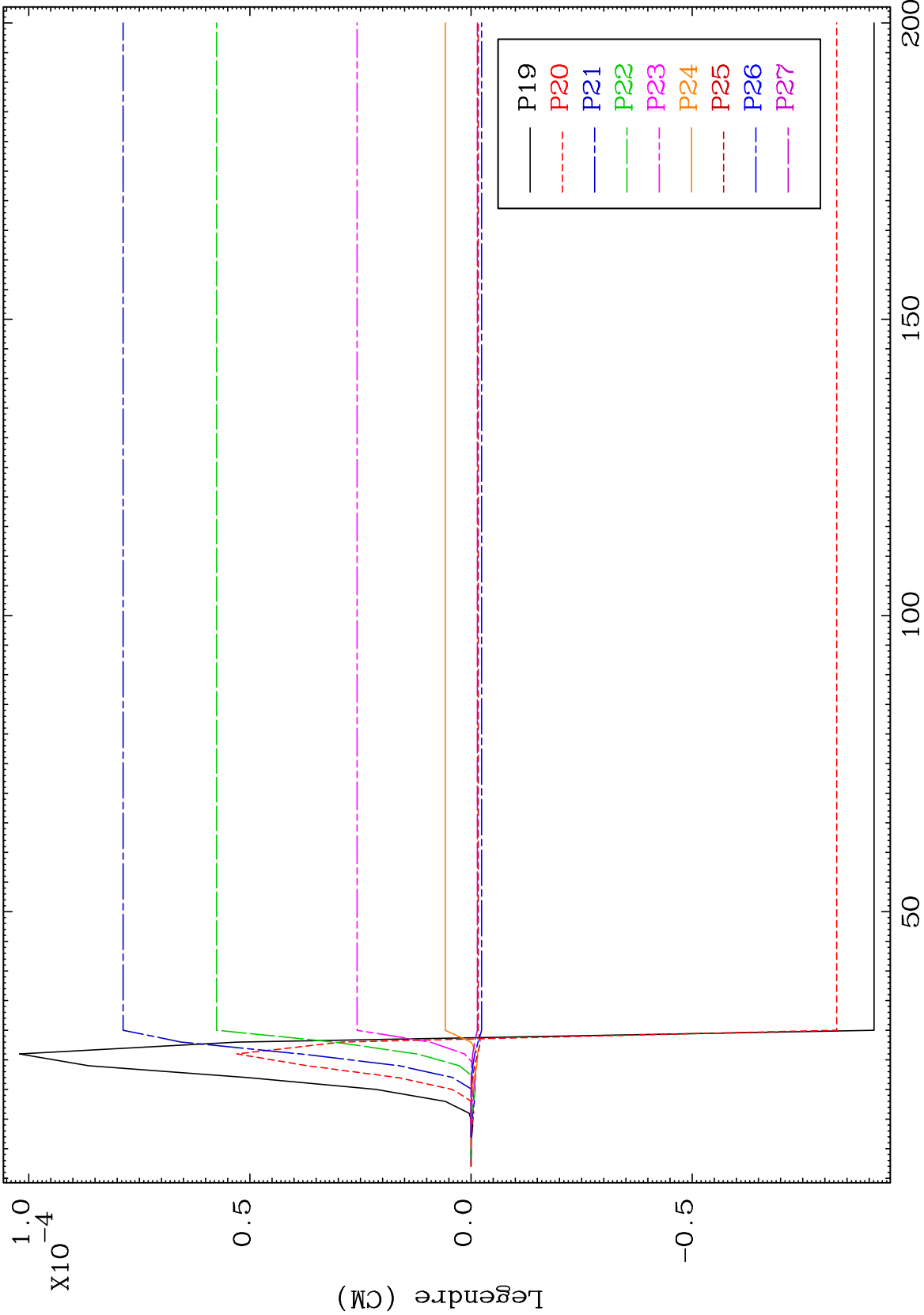




MAT 7140

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

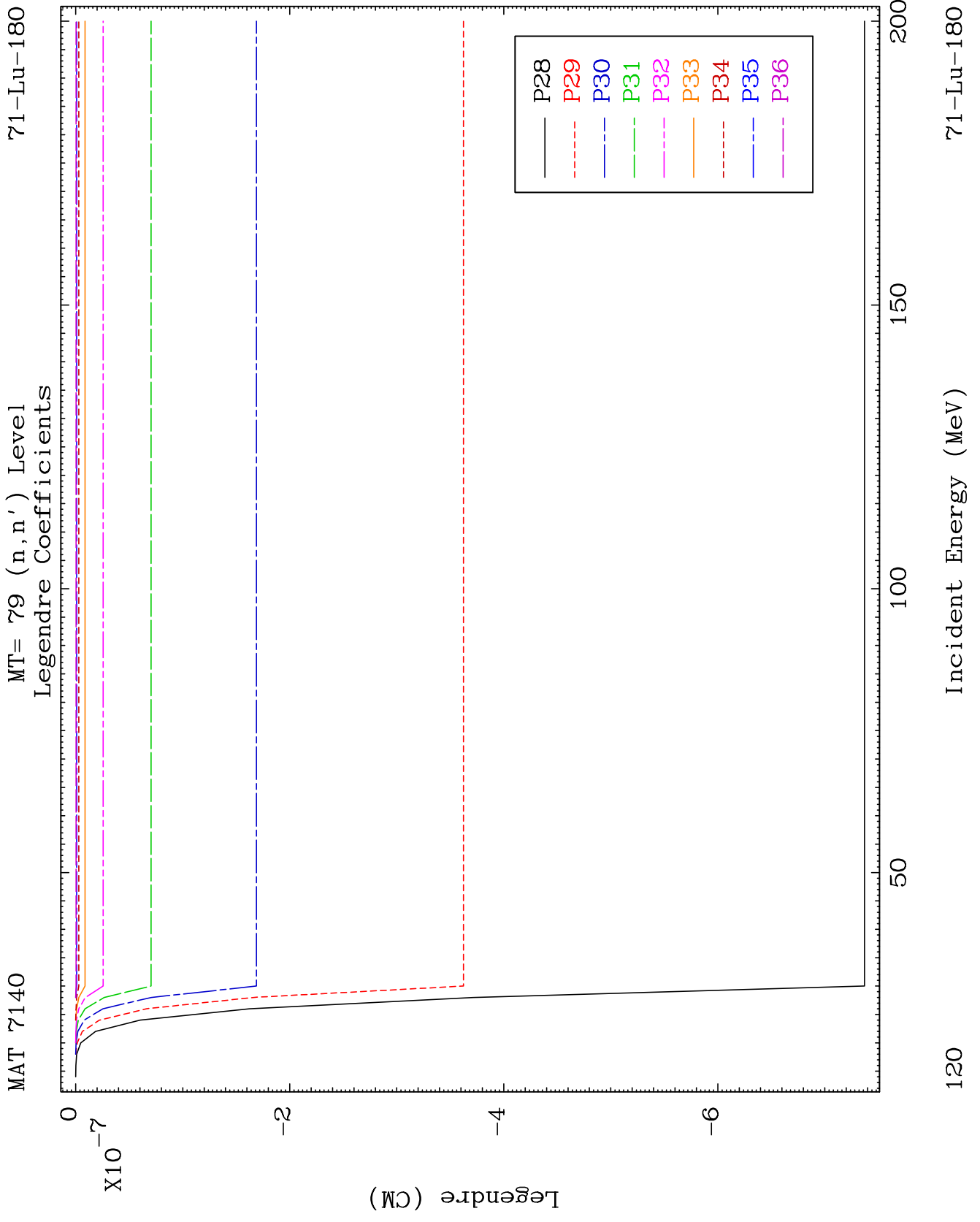
71-Lu-180

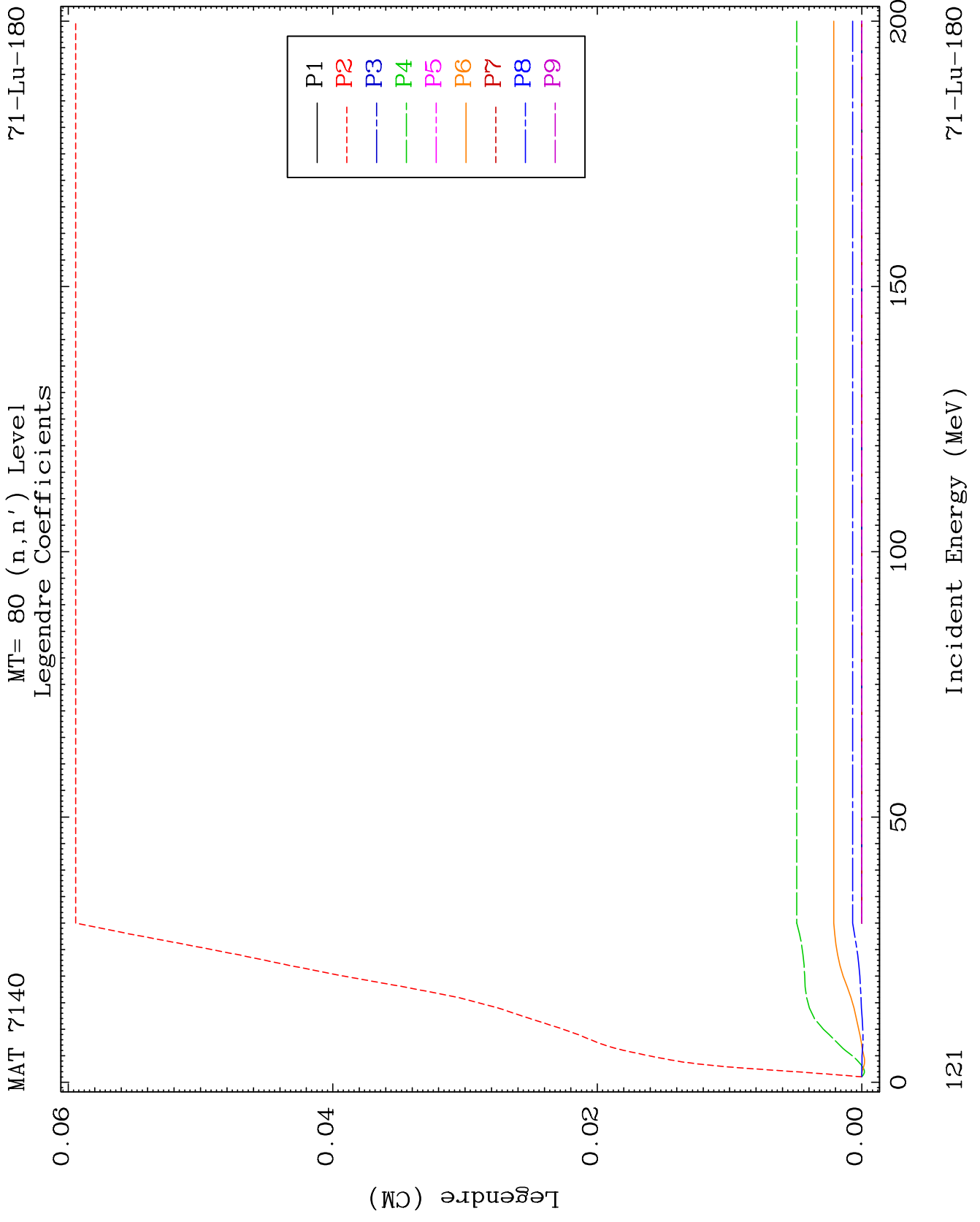


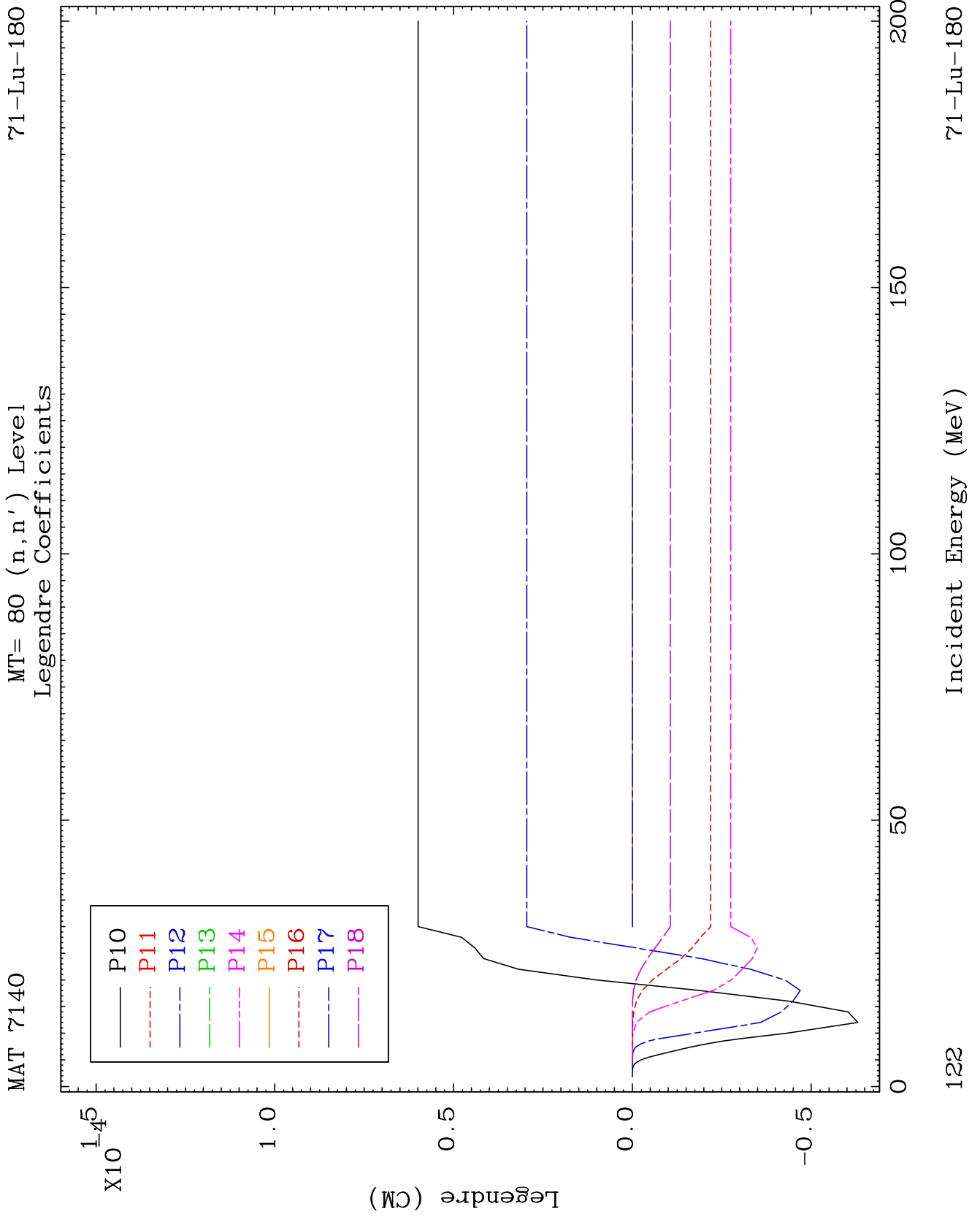
119

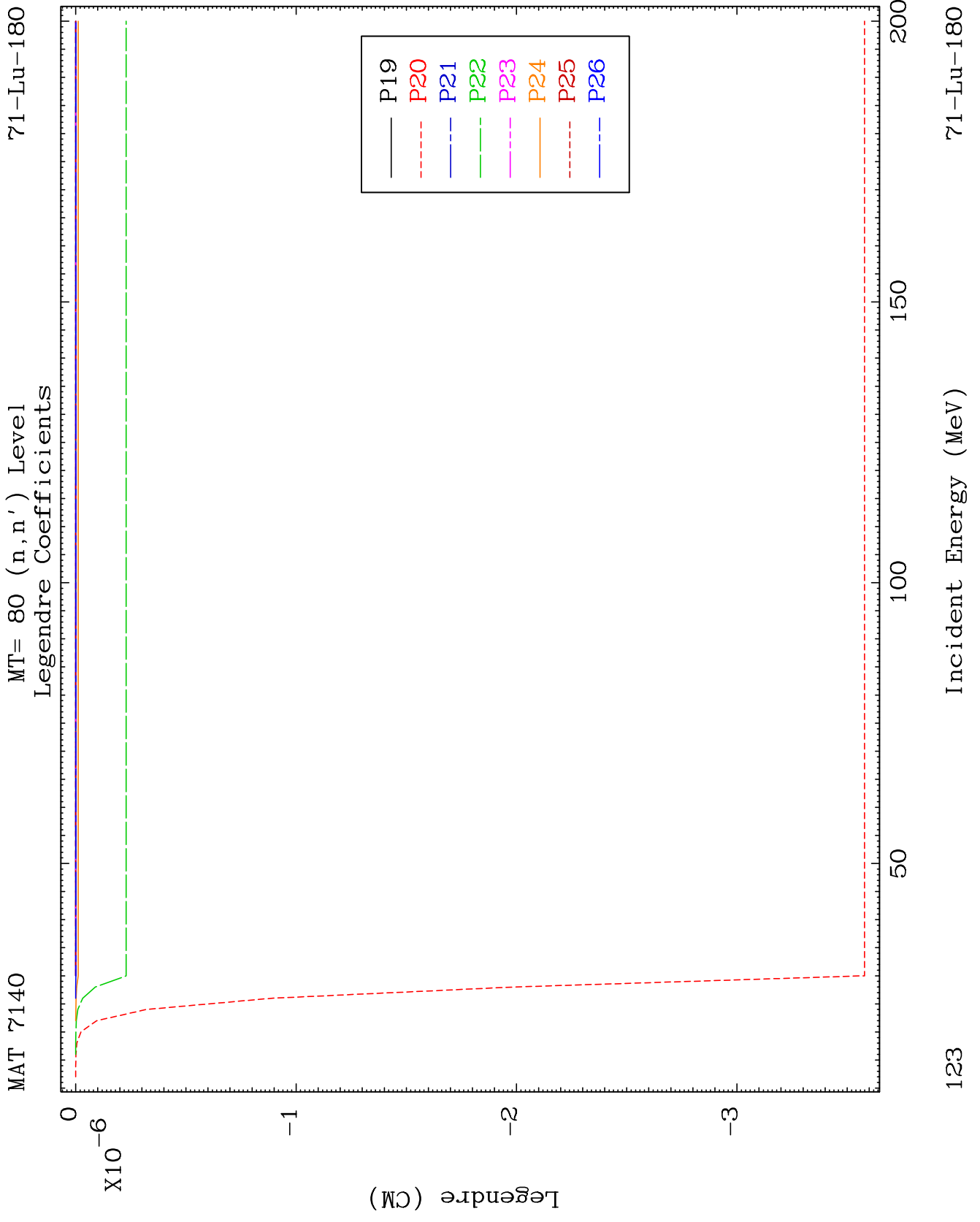
Incident Energy (MeV)

71-Lu-180







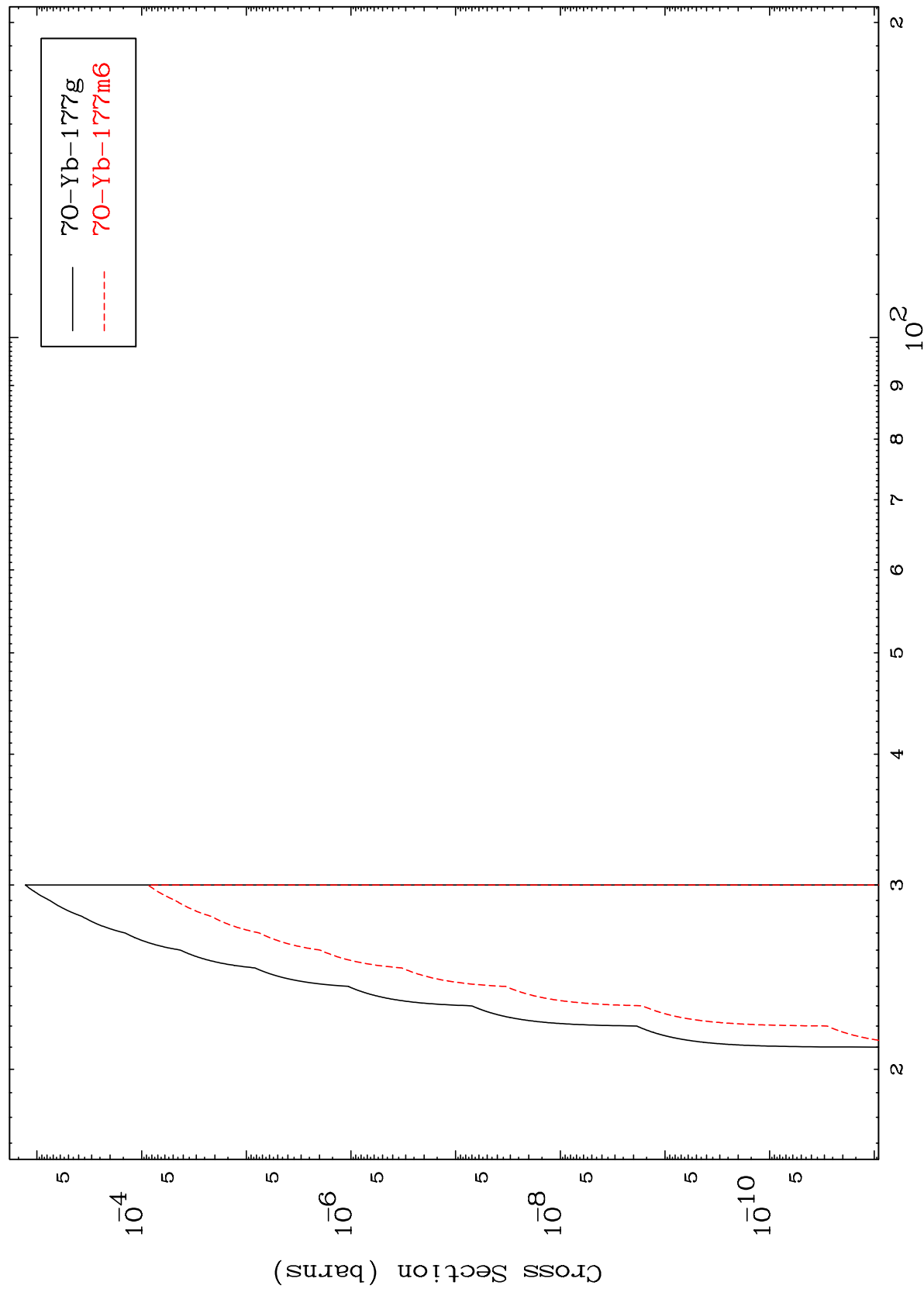


MAT 7140

(n,2n) d

71-Lu-180

Radionuclide Production Cross Section



124

Incident Energy (MeV)

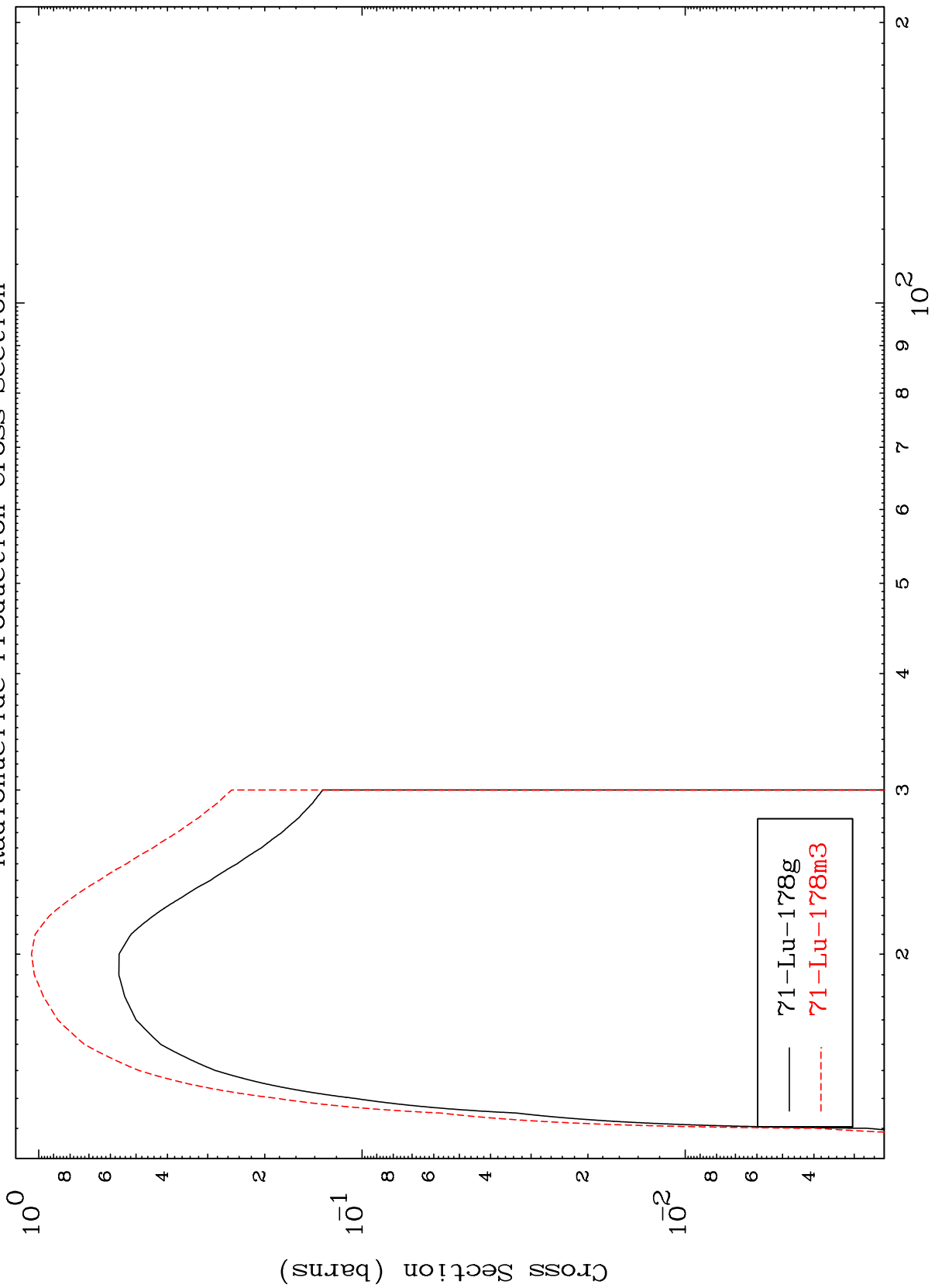
71-Lu-180

MAT 7140

(n,3n)

⁷¹Lu-180

Radionuclide Production Cross Section



125

Incident Energy (MeV)

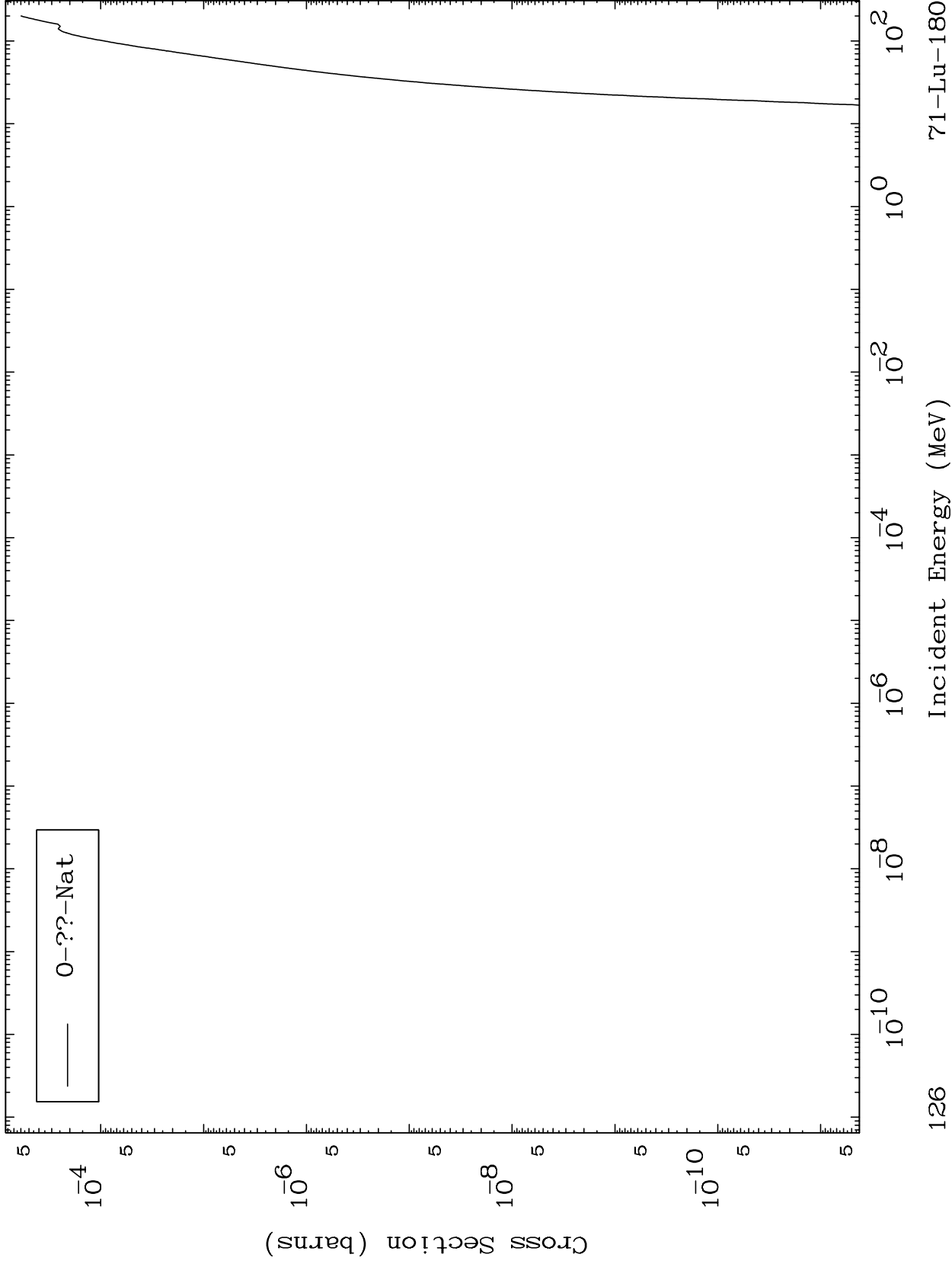
⁷¹Lu-180

MAT 7140

Fission

⁷¹Lu-180

Radionuclide Production Cross Section

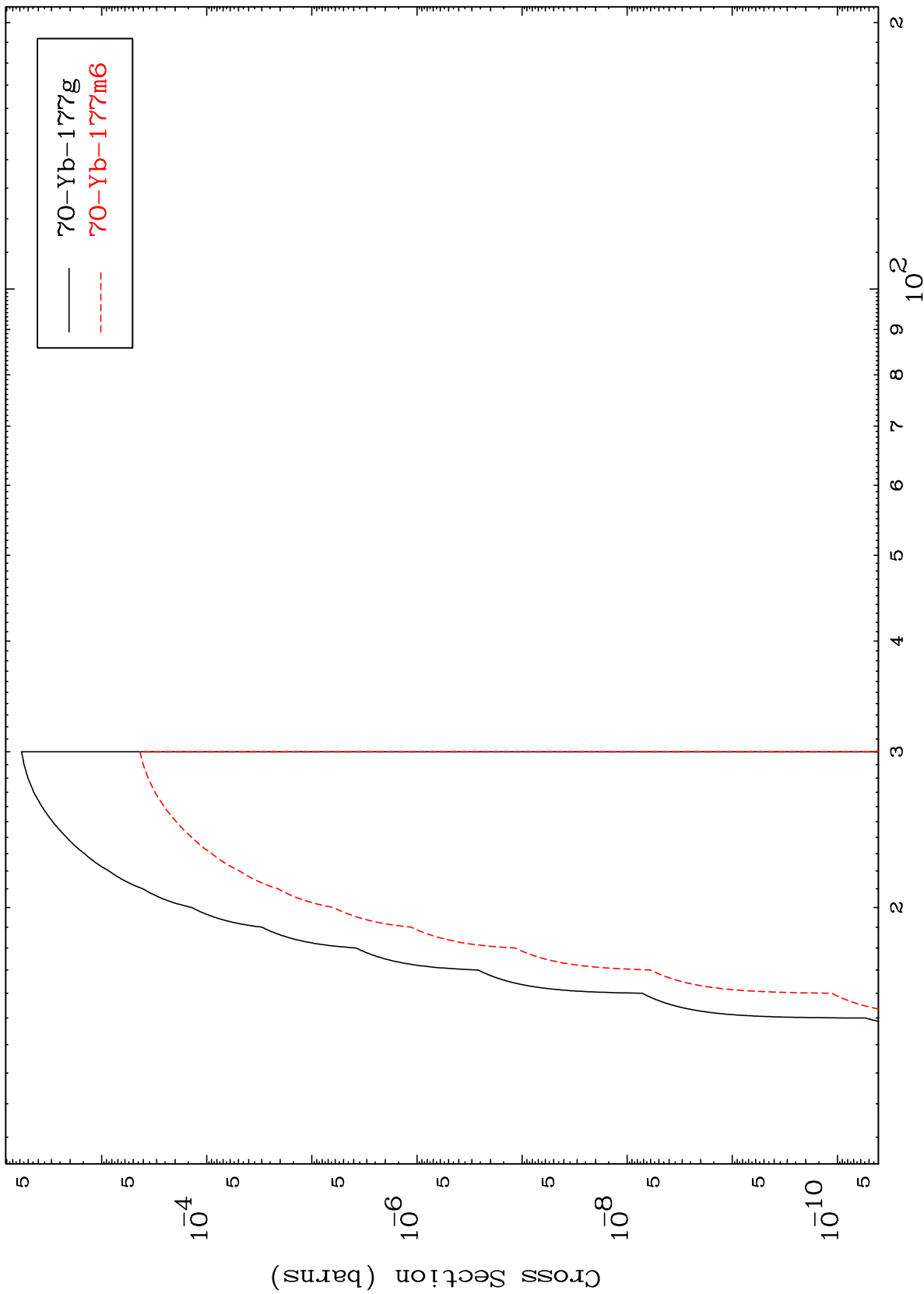


MAT 7140

(n,n') t

71-Lu-180

Radionuclide Production Cross Section

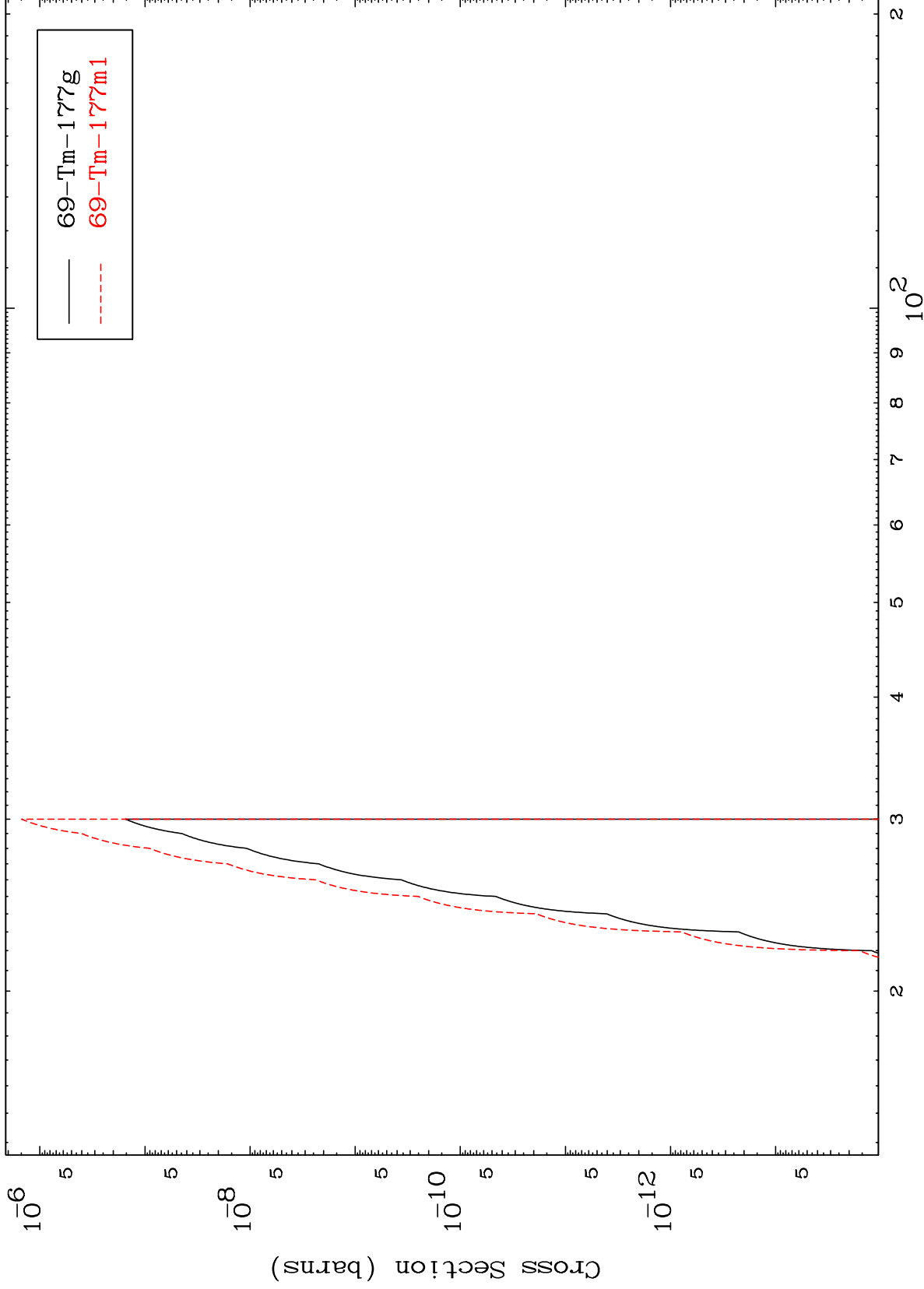


127

Incident Energy (MeV)

71-Lu-180

Radionuclide Production Cross Section

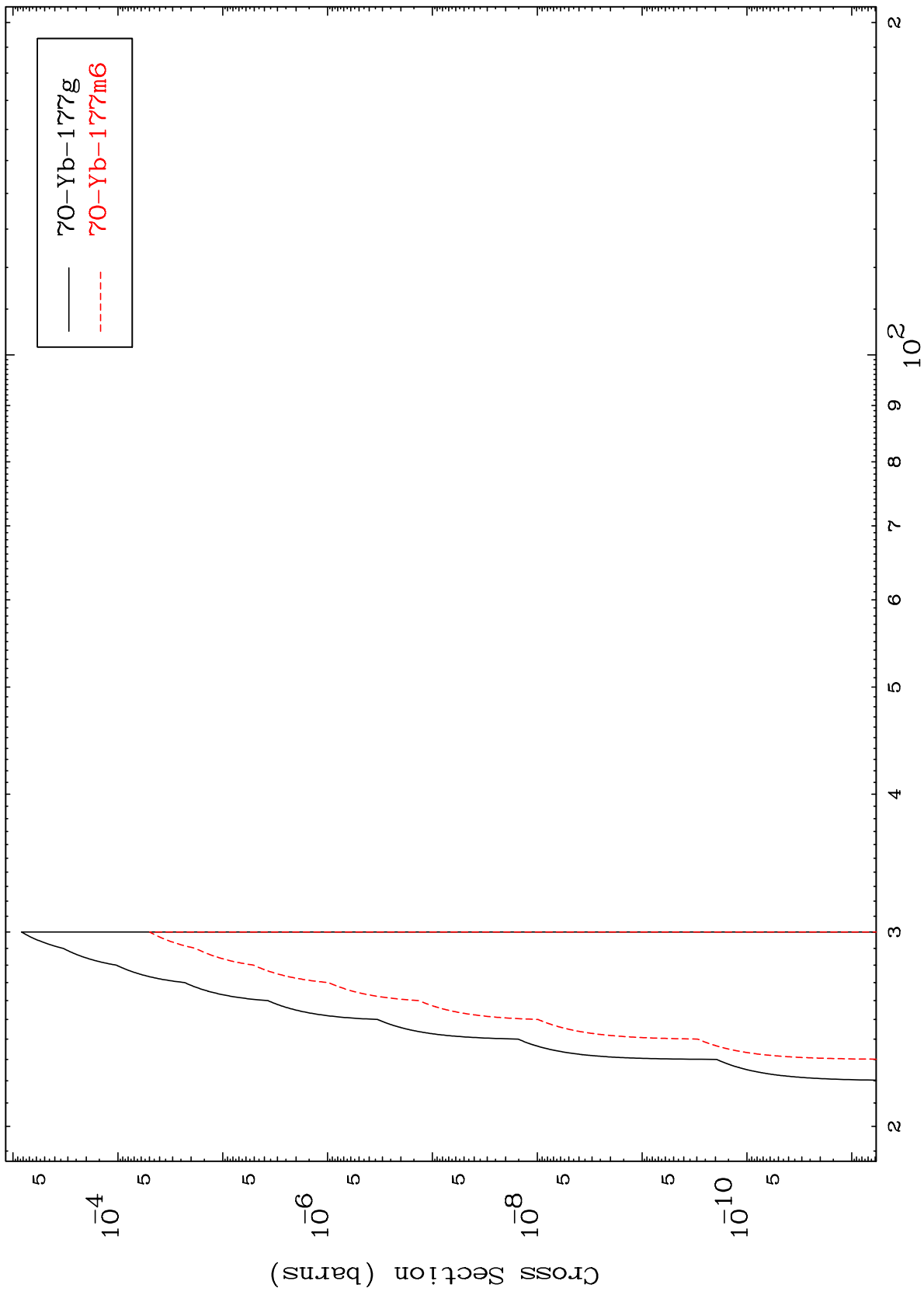


MAT 7140

(n,3n) p

71-Lu-180

Radionuclide Production Cross Section



129

Incident Energy (MeV)

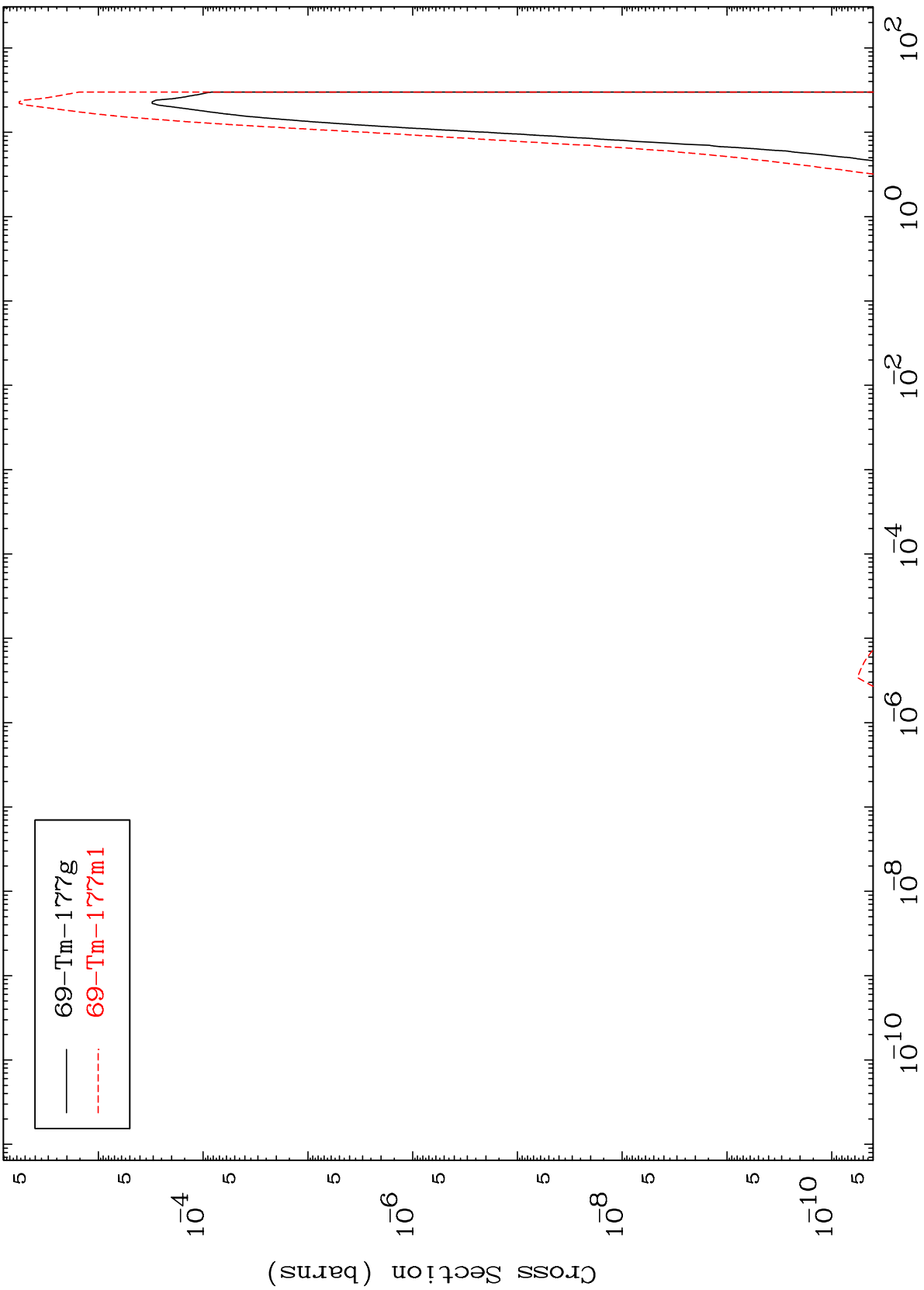
71-Lu-180

MAT 7140

(n, α)

⁷¹Lu-180

Radionuclide Production Cross Section



130

Incident Energy (MeV)

⁷¹Lu-180