

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

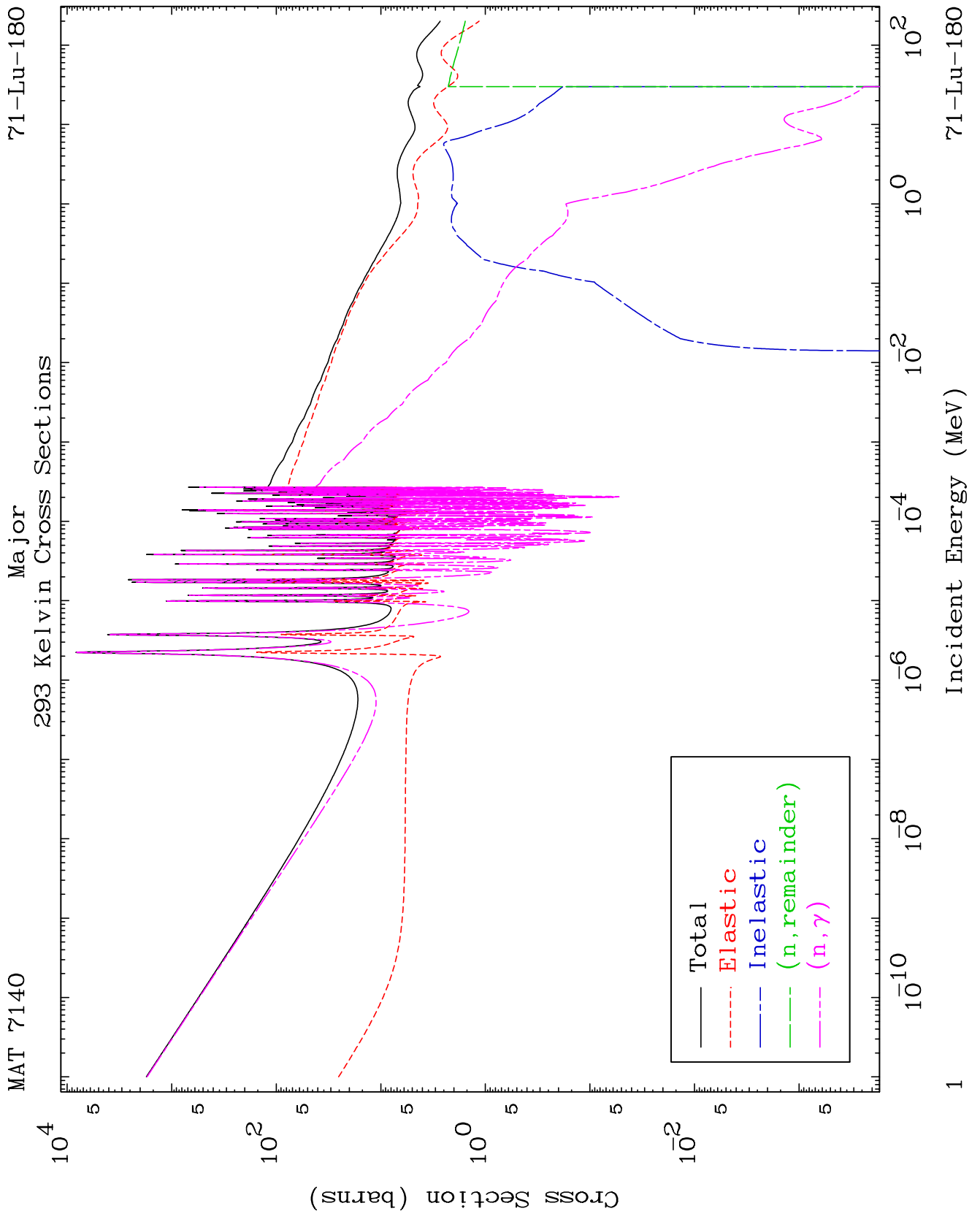
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

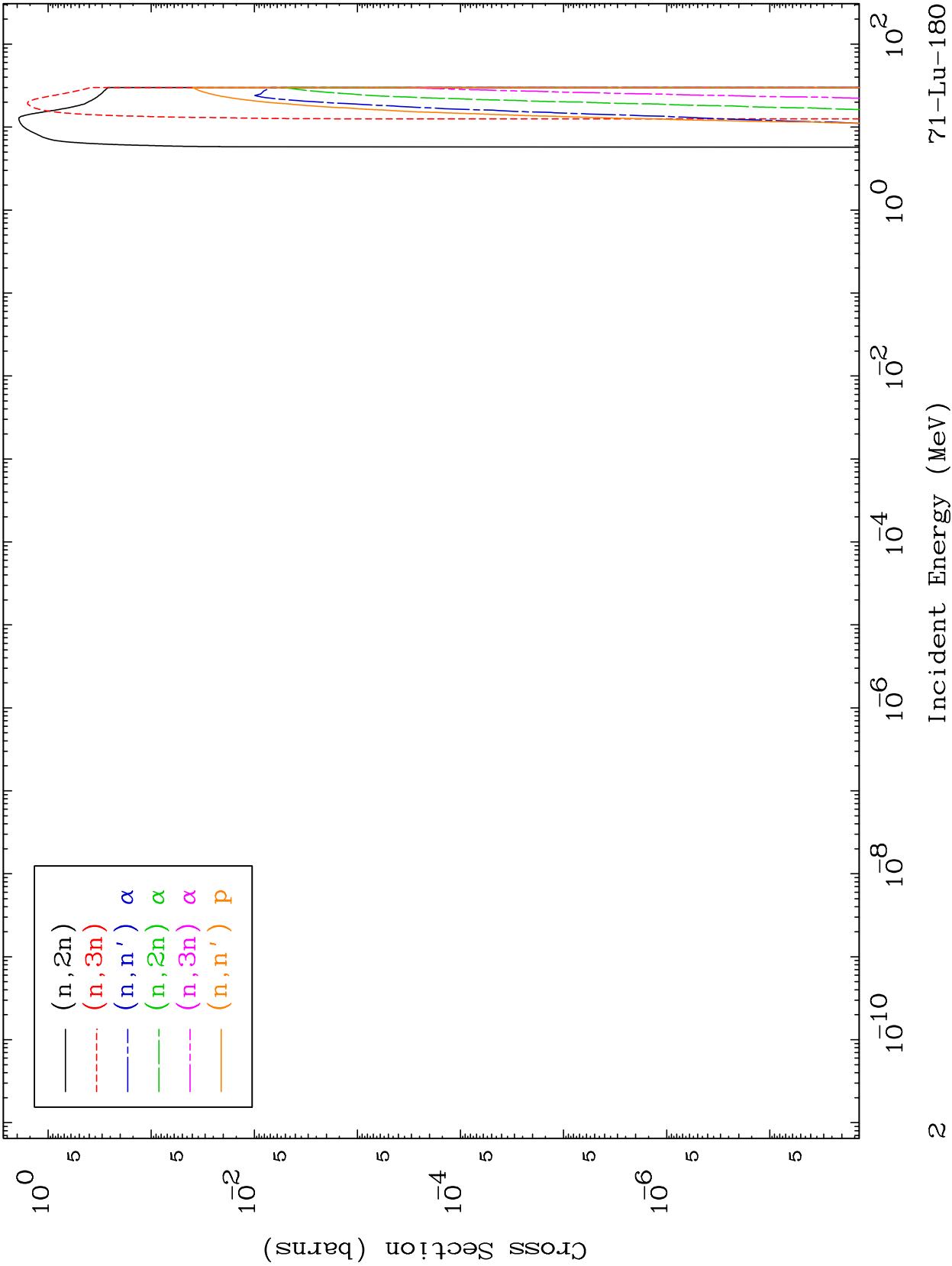
Press Mouse Button to Start



MAT 7140

Neutron Production
293 Kelvin Cross Sections

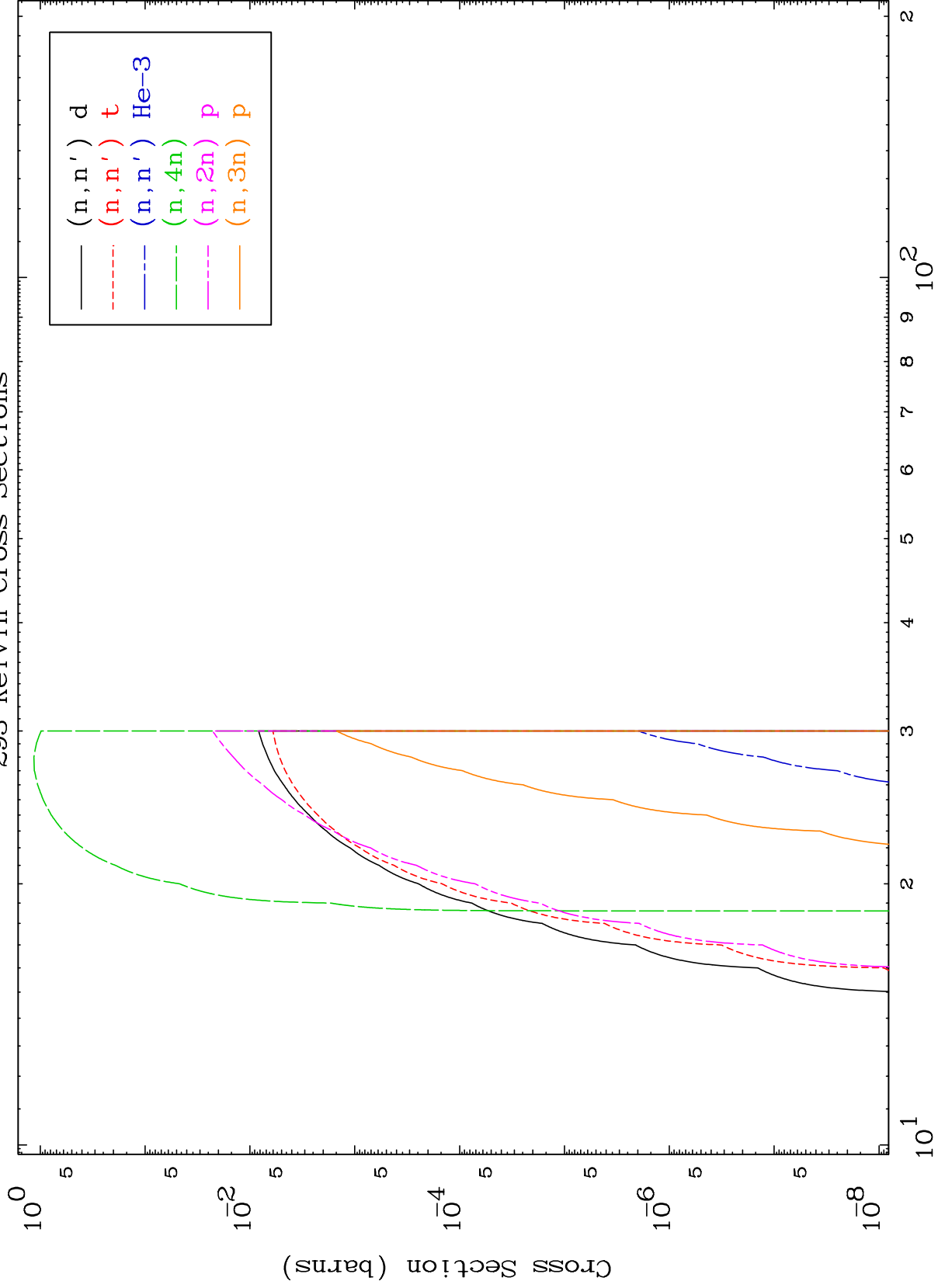
71-Lu-180



MAT 7140

Neutron Production
293 Kelvin Cross Sections

71-Lu-180



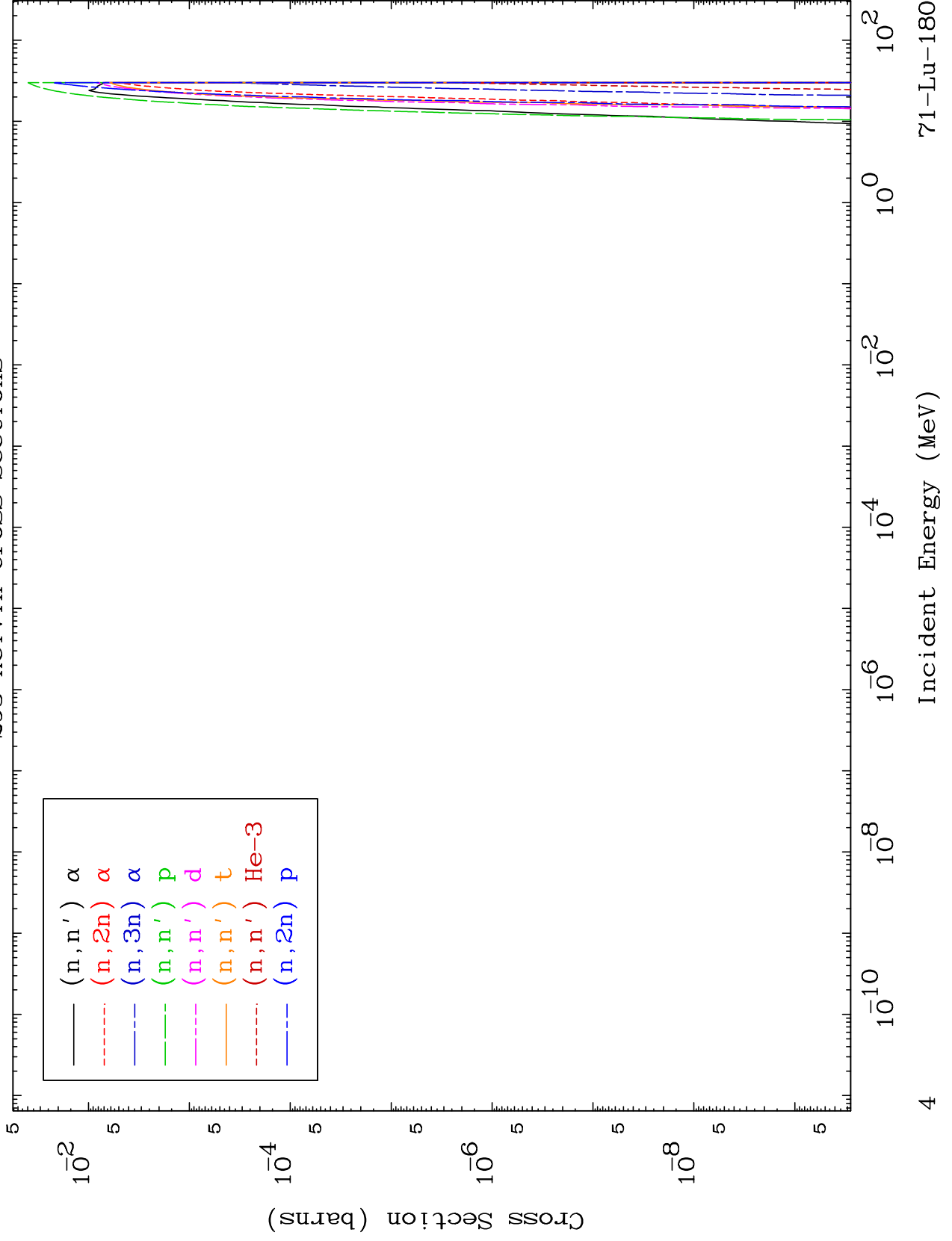
Incident Energy (MeV)

71-Lu-180

MAT 7140

Charged Particle
293 Kelvin Cross Sections

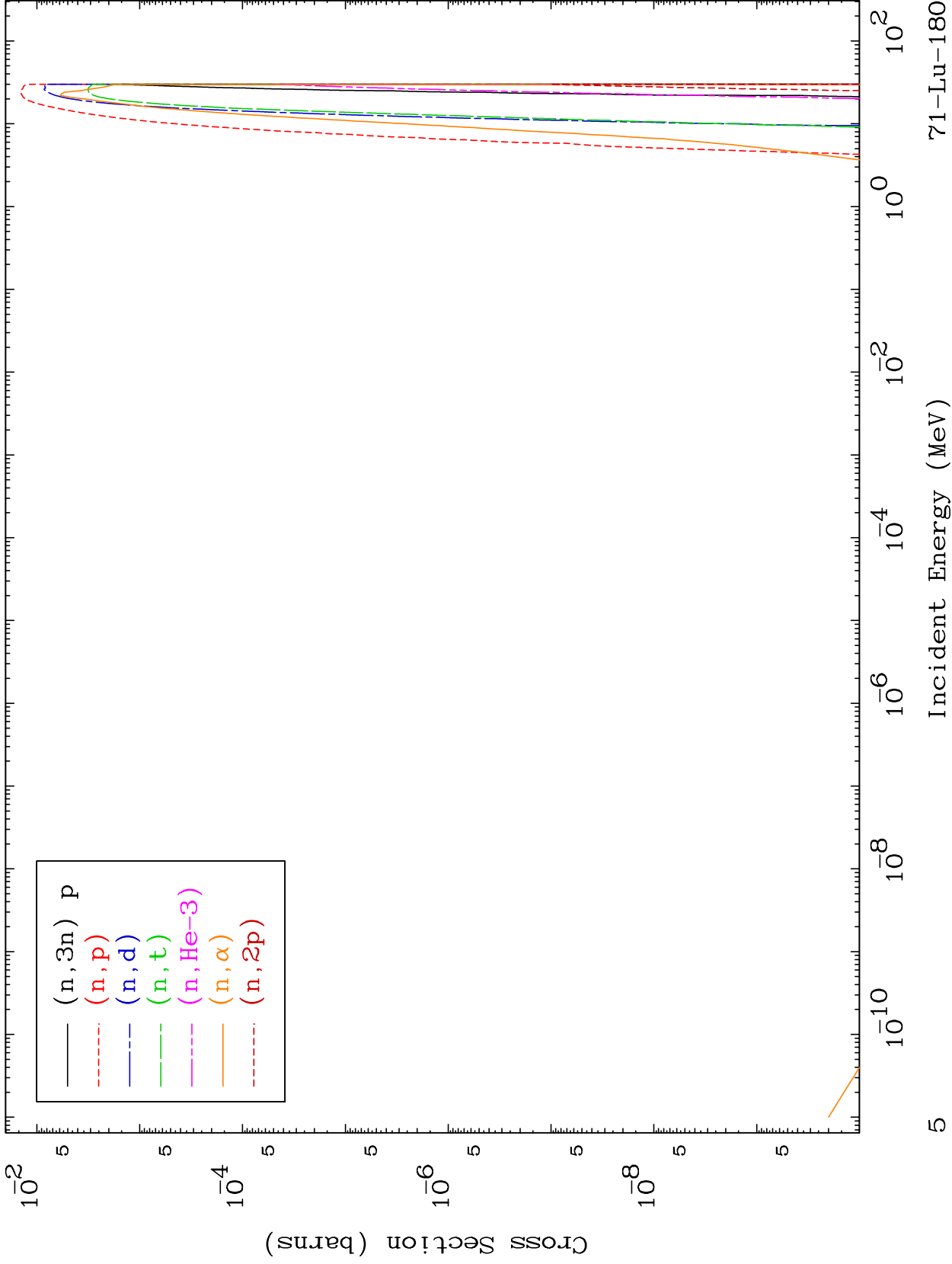
71-Lu-180



MAT 7140

Charged Particle
293 Kelvin Cross Sections

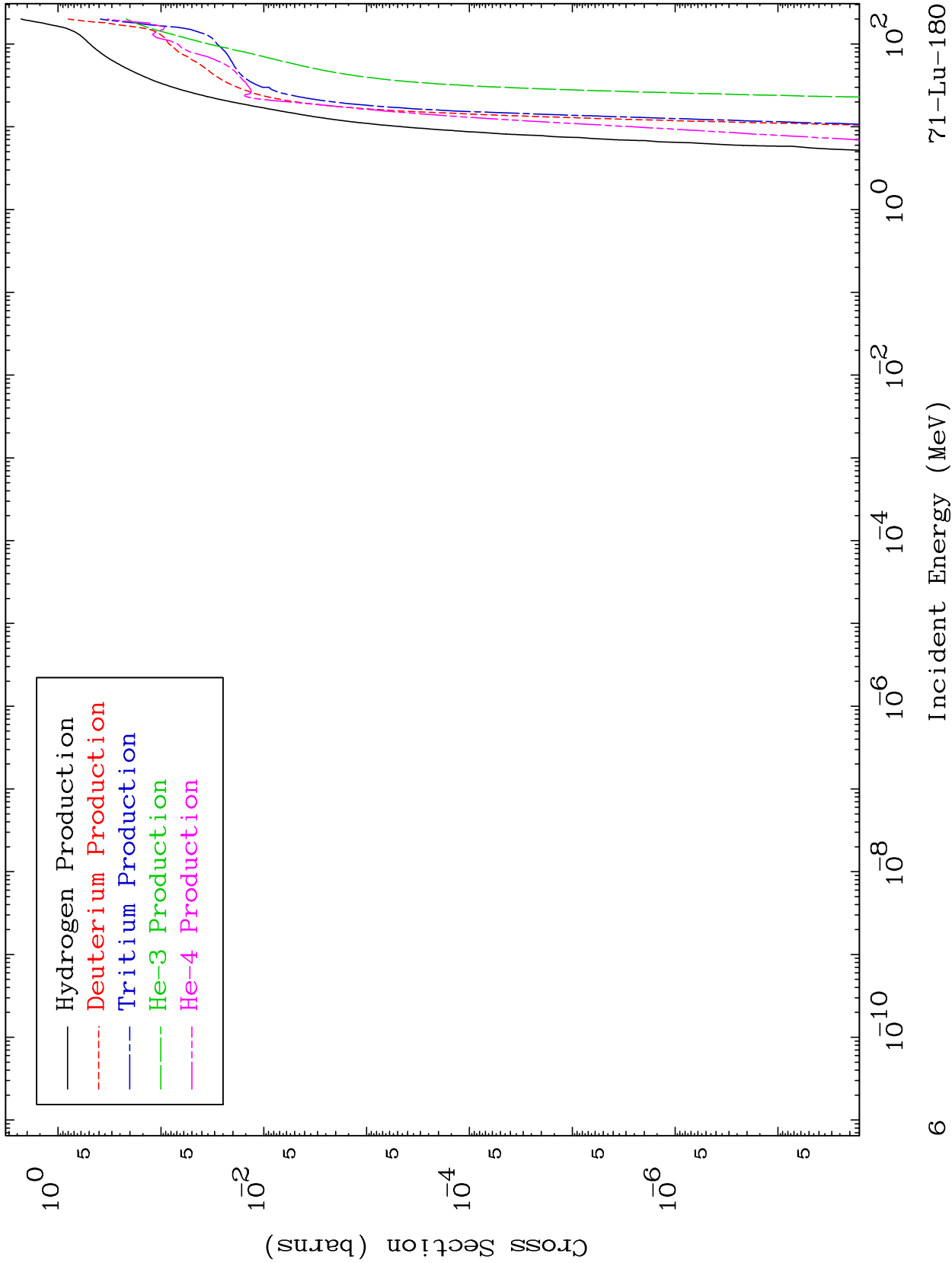
71-Lu-180

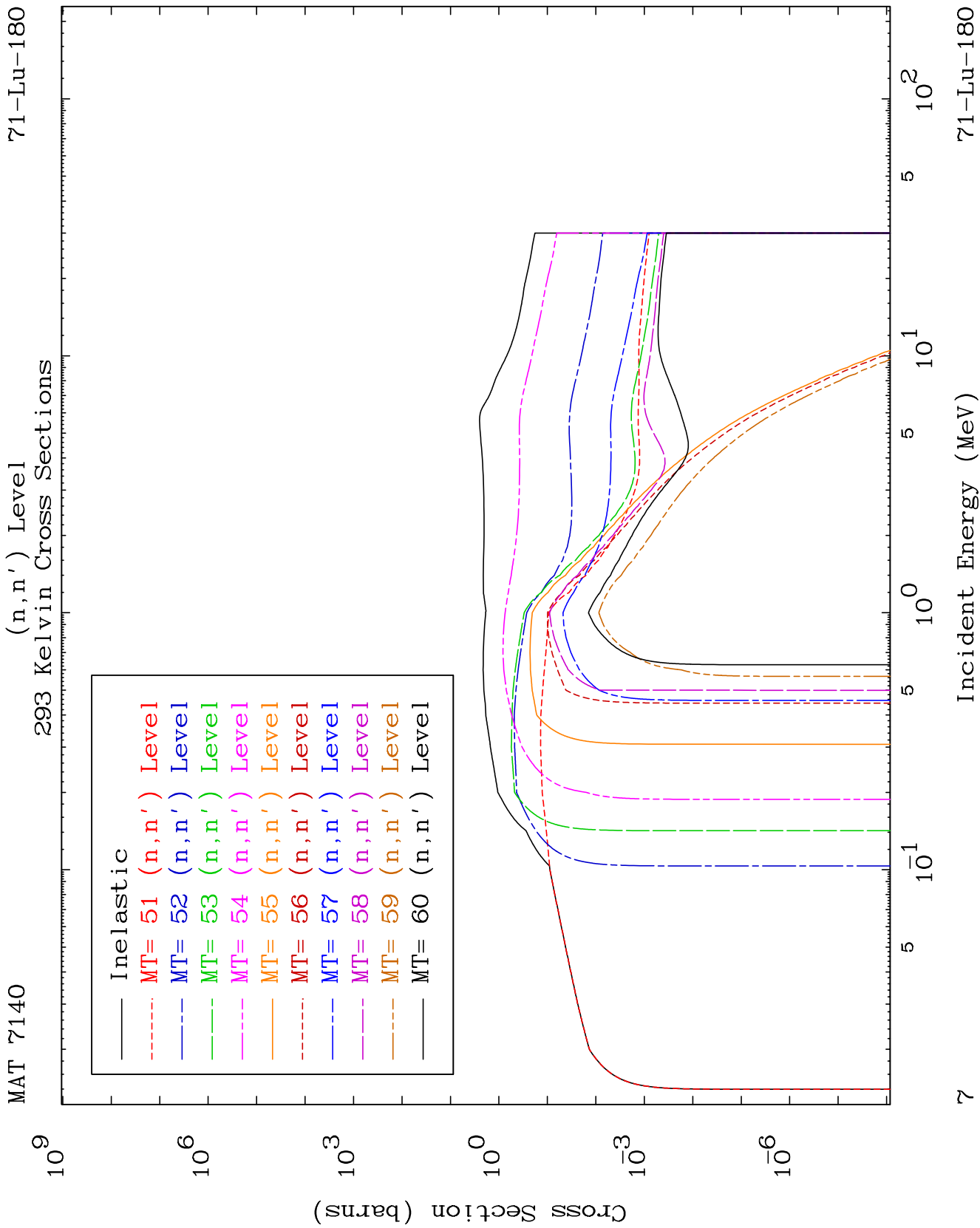


MAT 7140

Particle Production
293 Kelvin Cross Sections

71-Lu-180



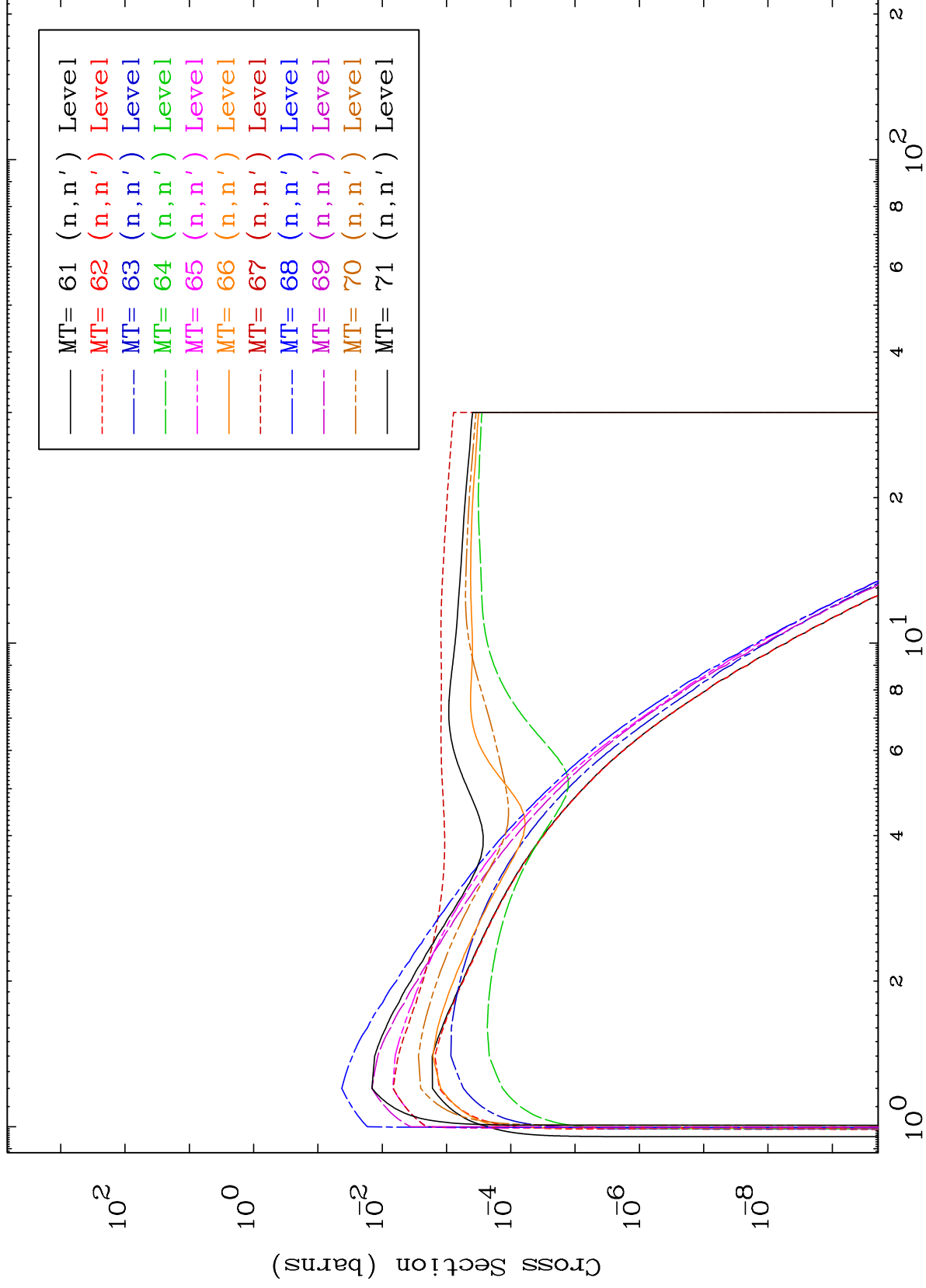


MAT 7140

(n,n') Level

71-Lu-180

293 Kelvin Cross Sections



Incident Energy (MeV)

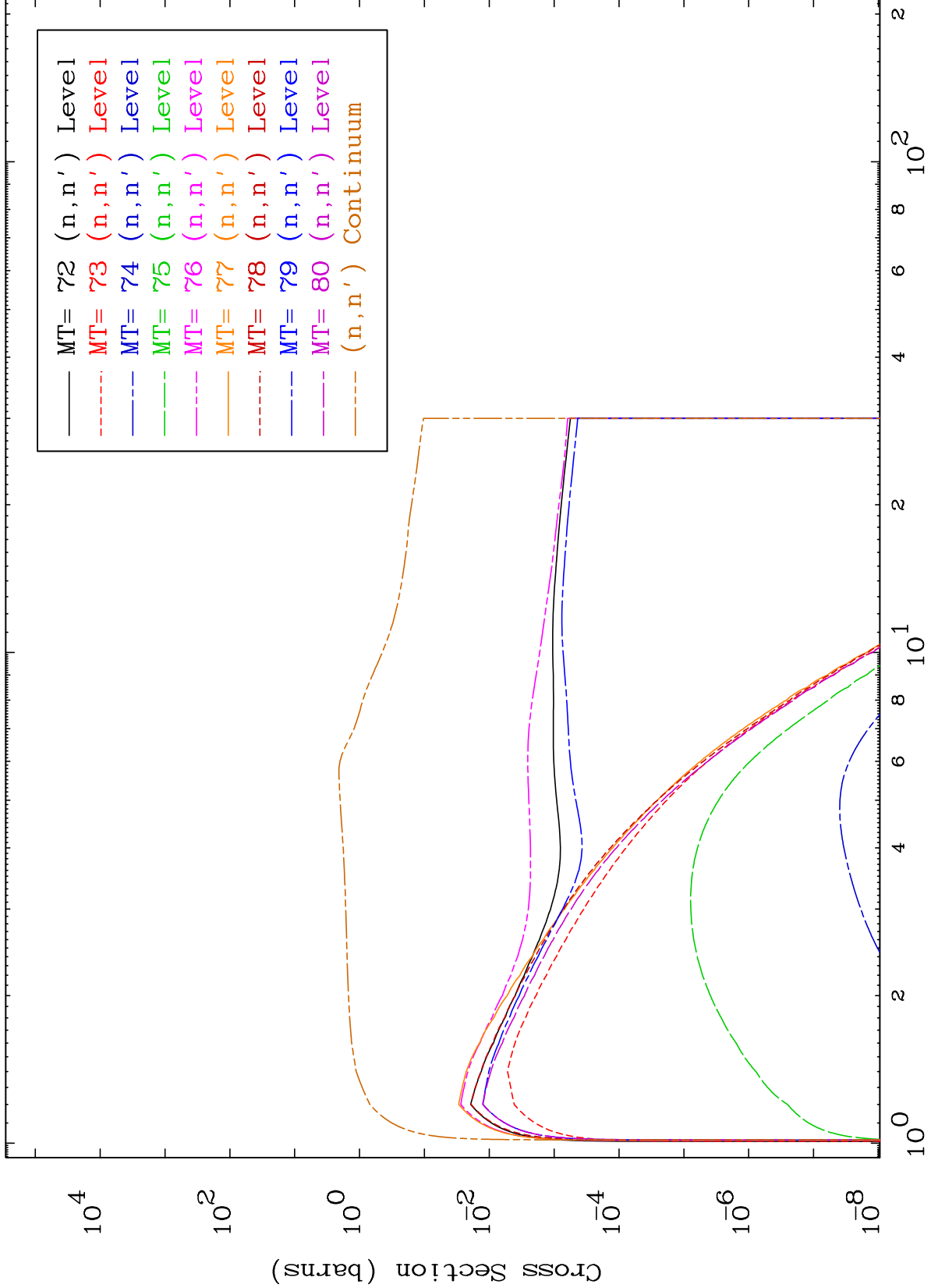
71-Lu-180

MAT 7140

(n,n') Level

71-Lu-180

293 Kelvin Cross Sections



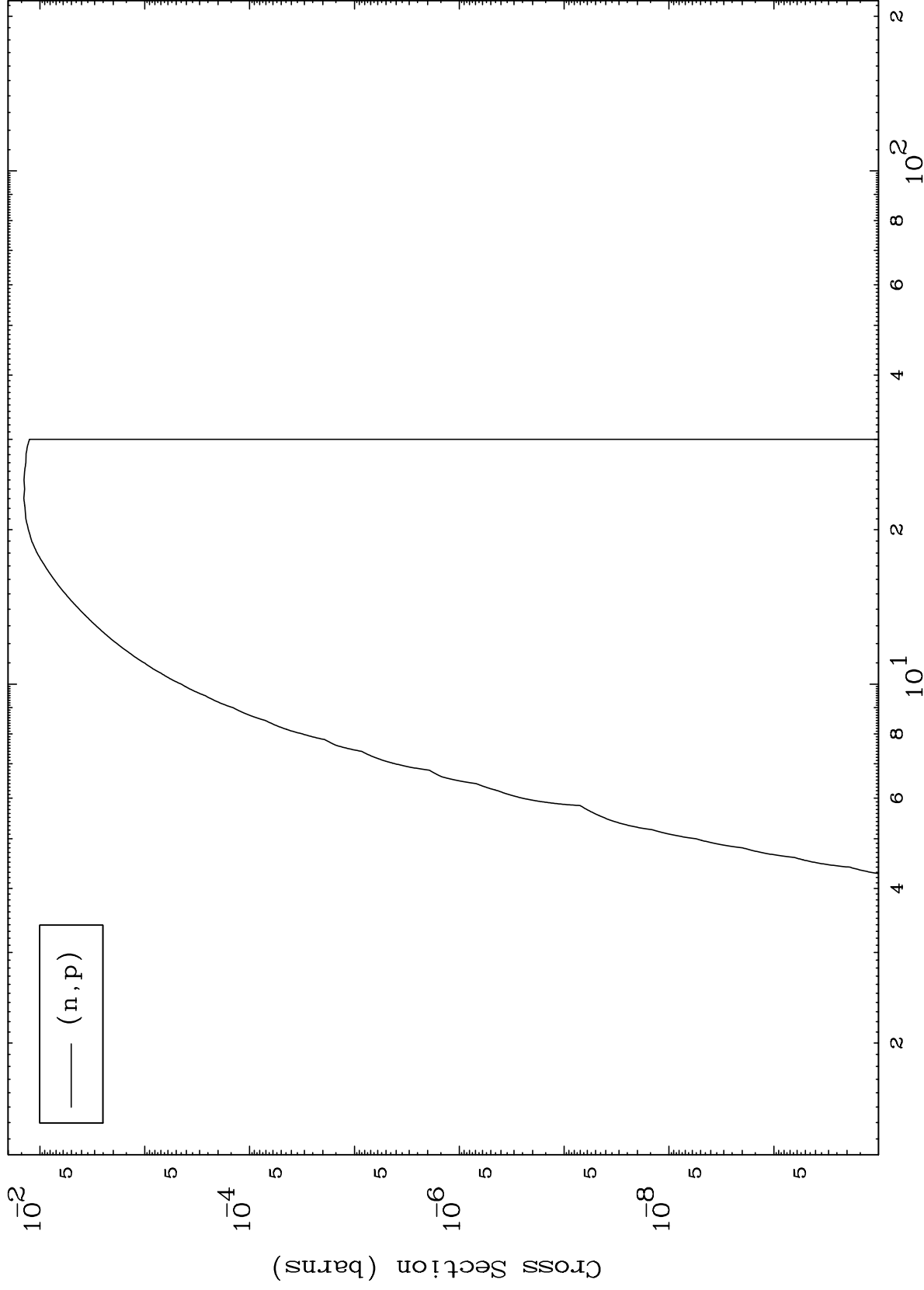
Incident Energy (MeV)

71-Lu-180

MAT 7140

(n,p) Levels
293 Kelvin Cross Sections

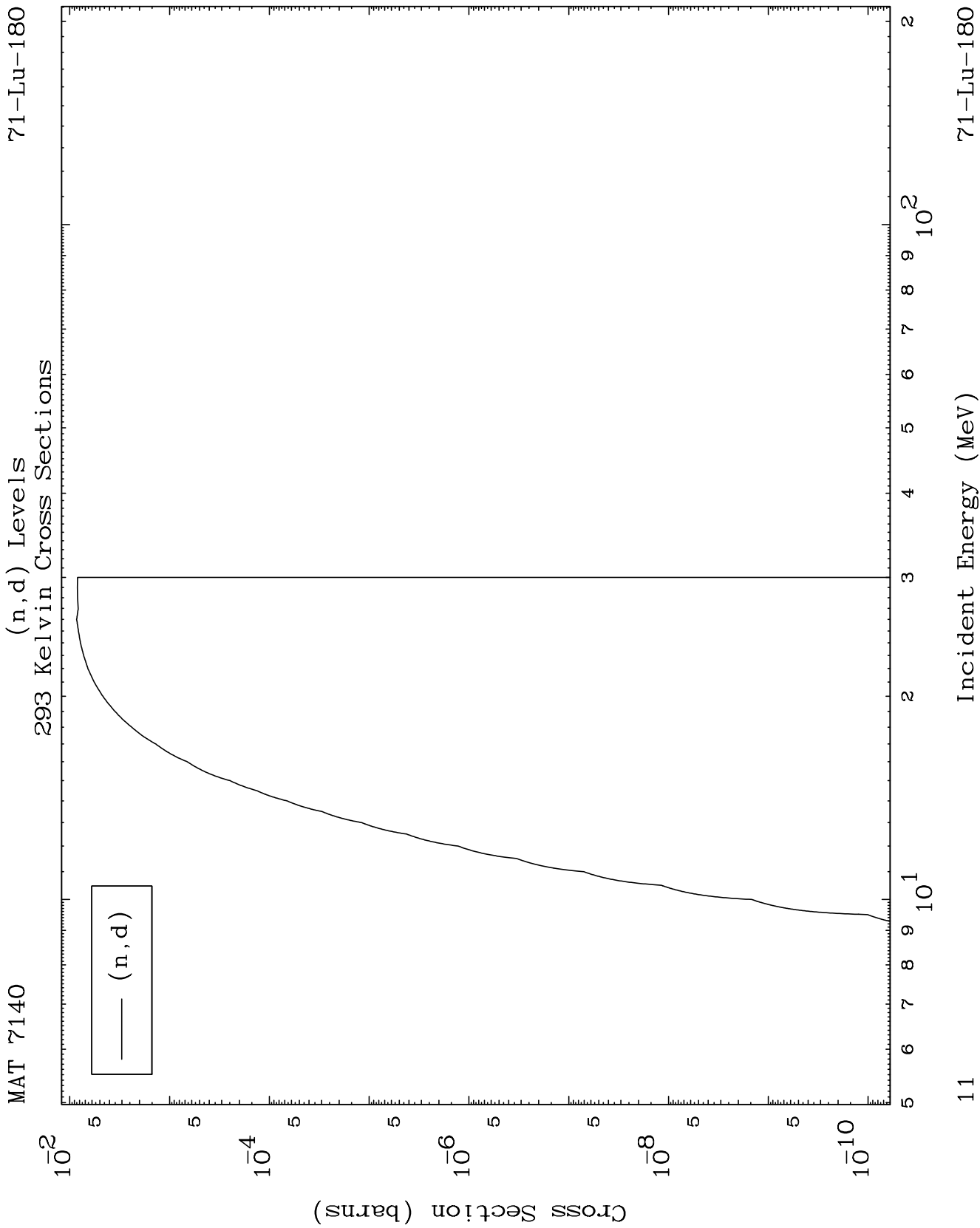
71-Lu-180



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Incident Energy (MeV)

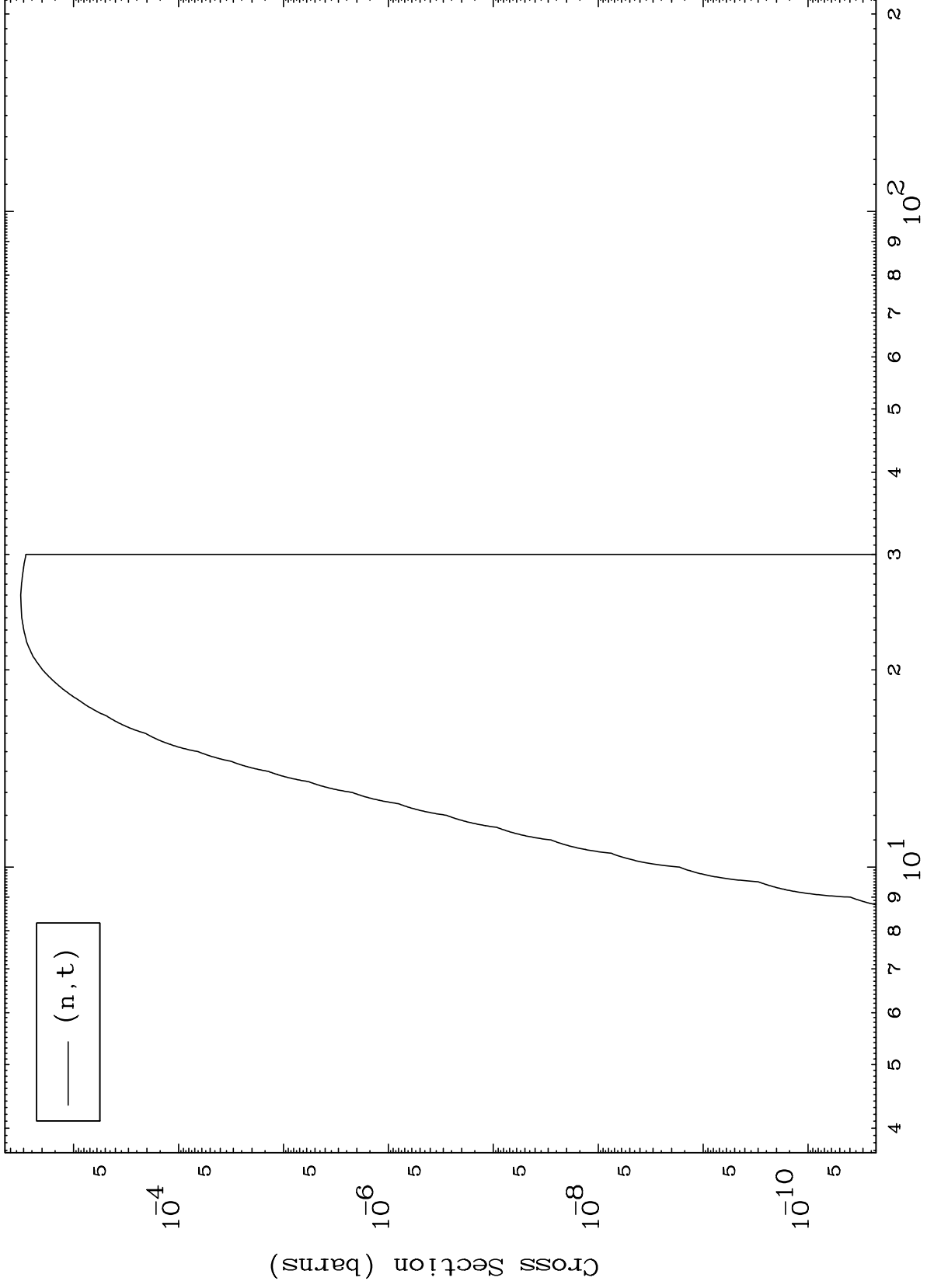
71-Lu-180



MAT 7140

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-180



12

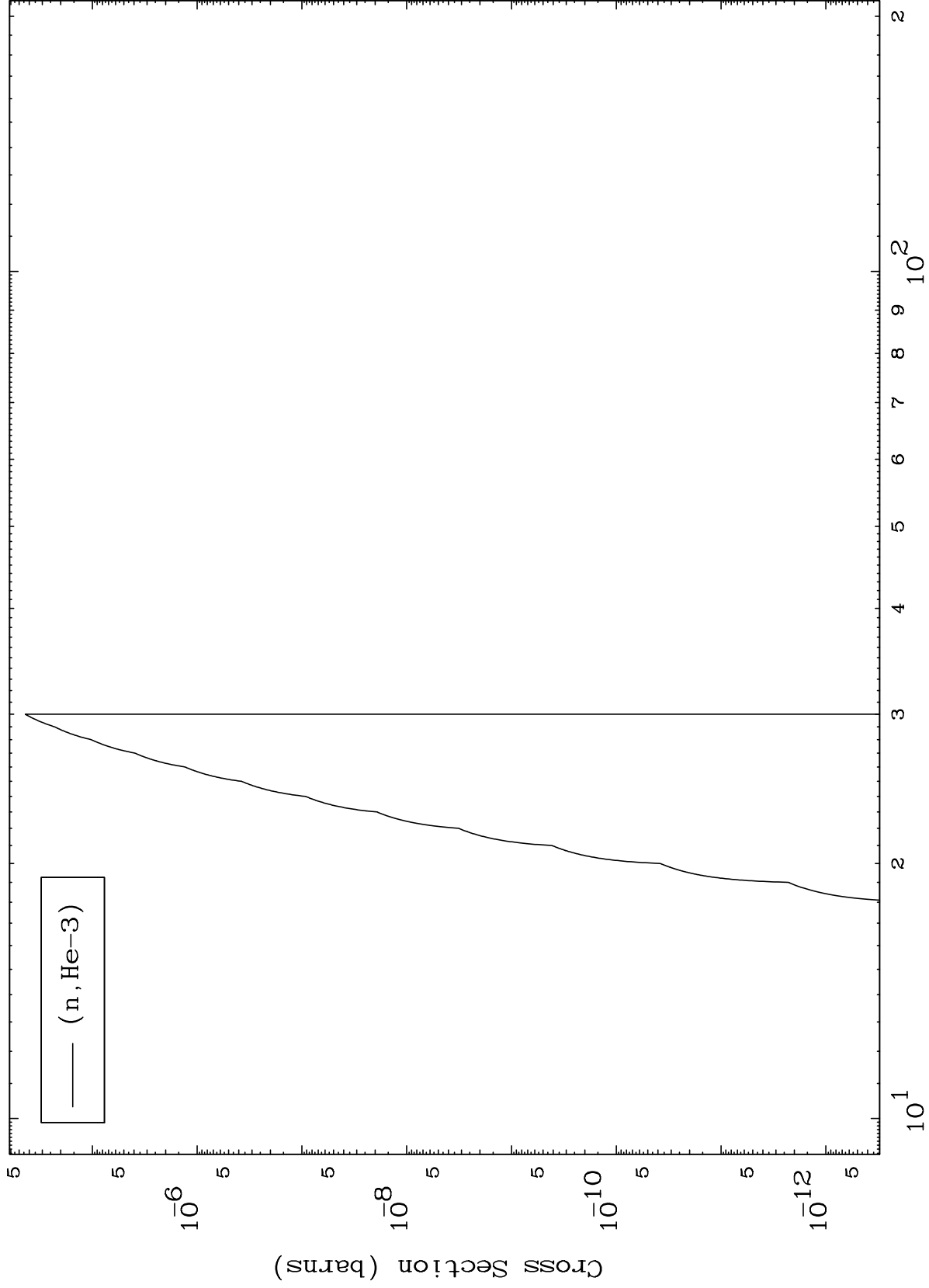
Incident Energy (MeV)

71-Lu-180

MAT 7140

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-180



13

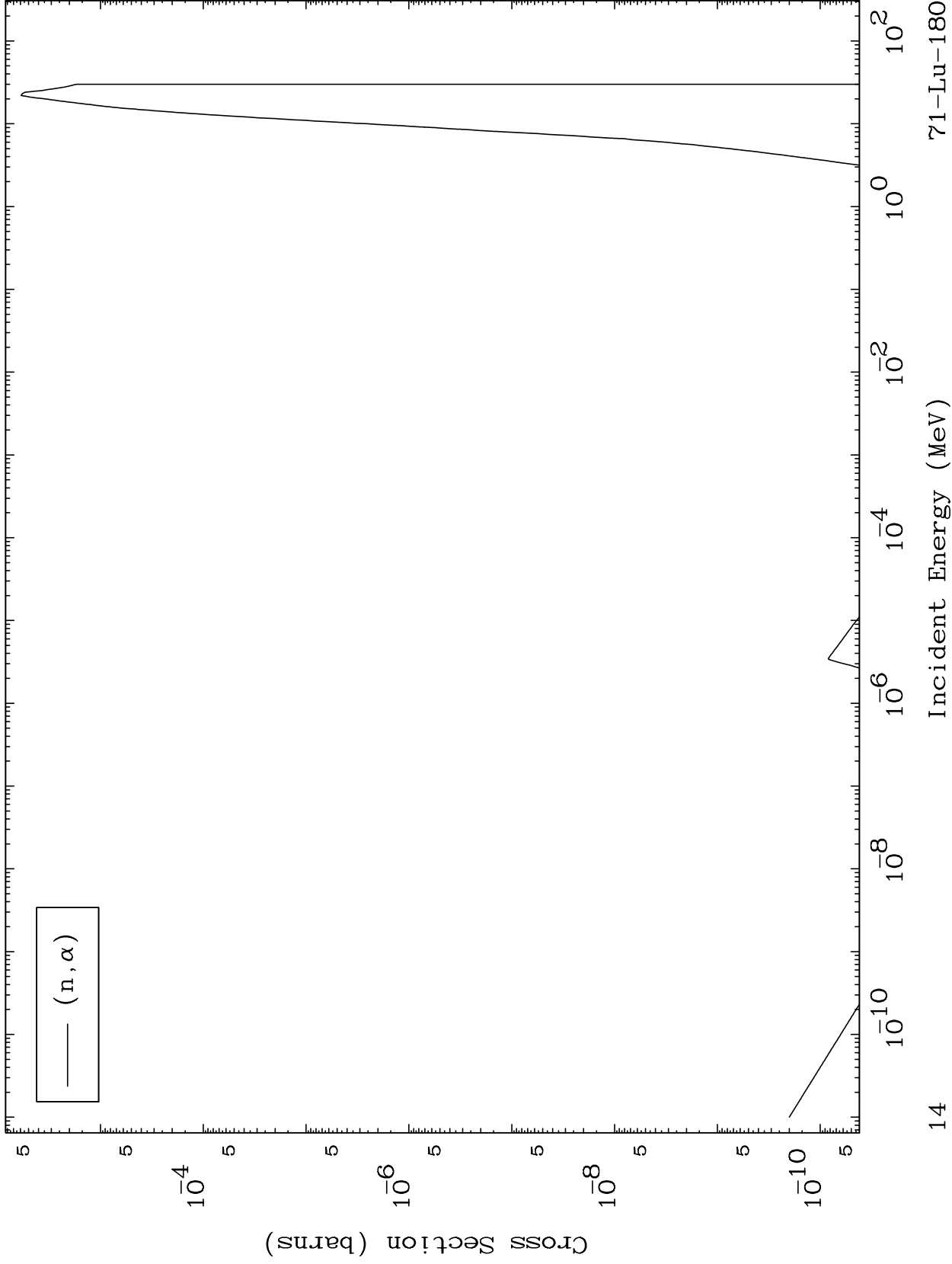
Incident Energy (MeV)

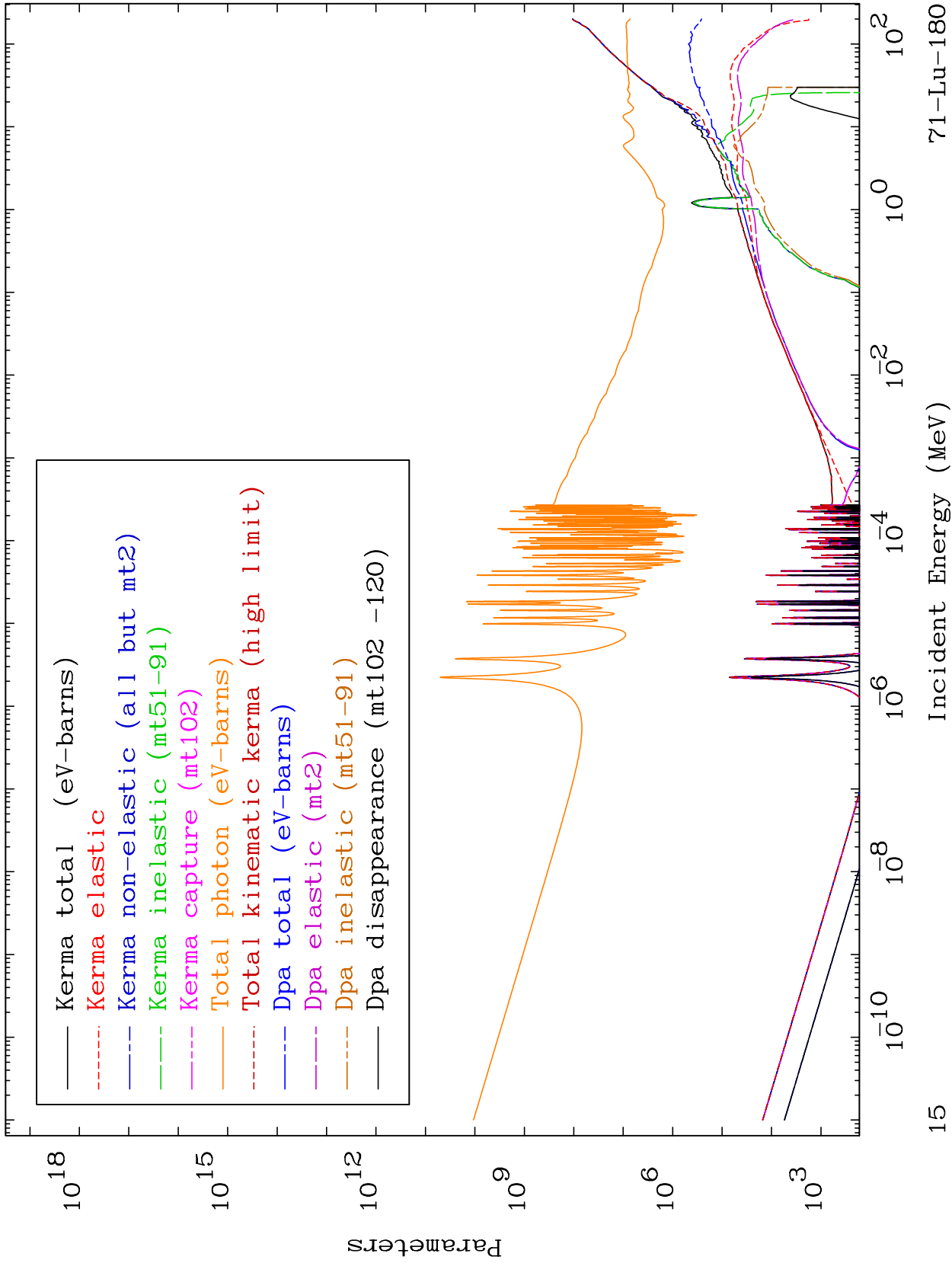
71-Lu-180

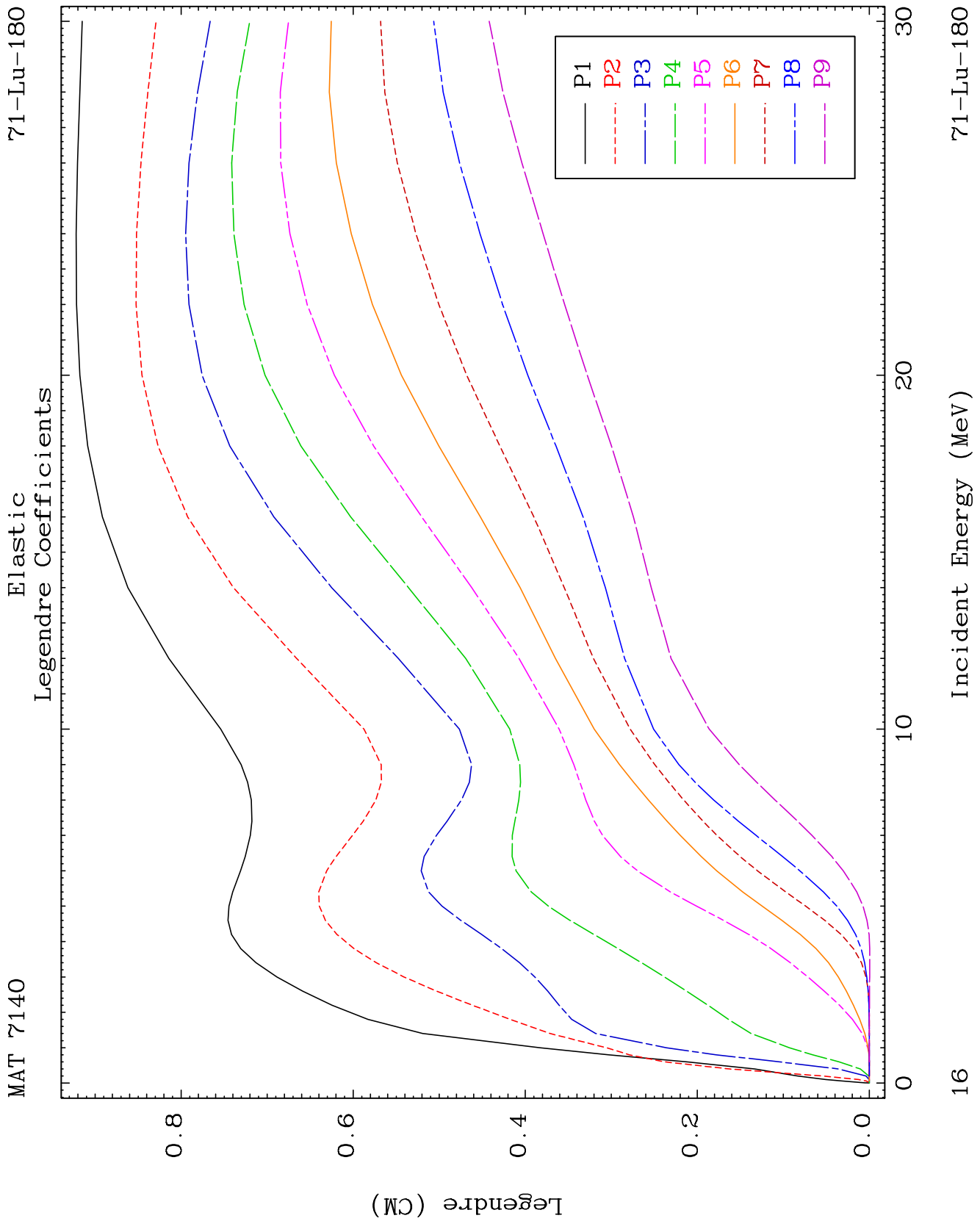
MAT 7140

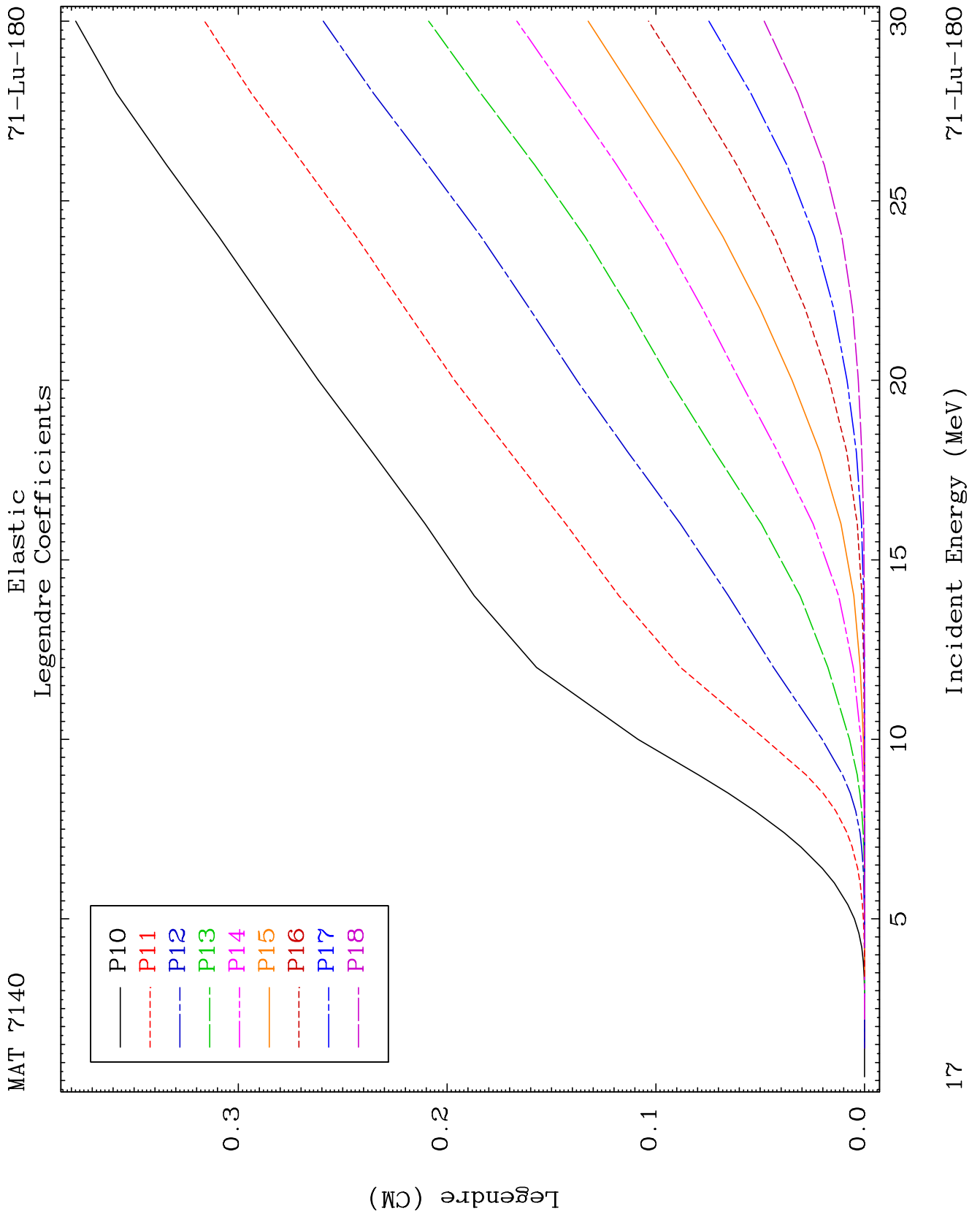
(n, α) Levels
293 Kelvin Cross Sections

71-Lu-180





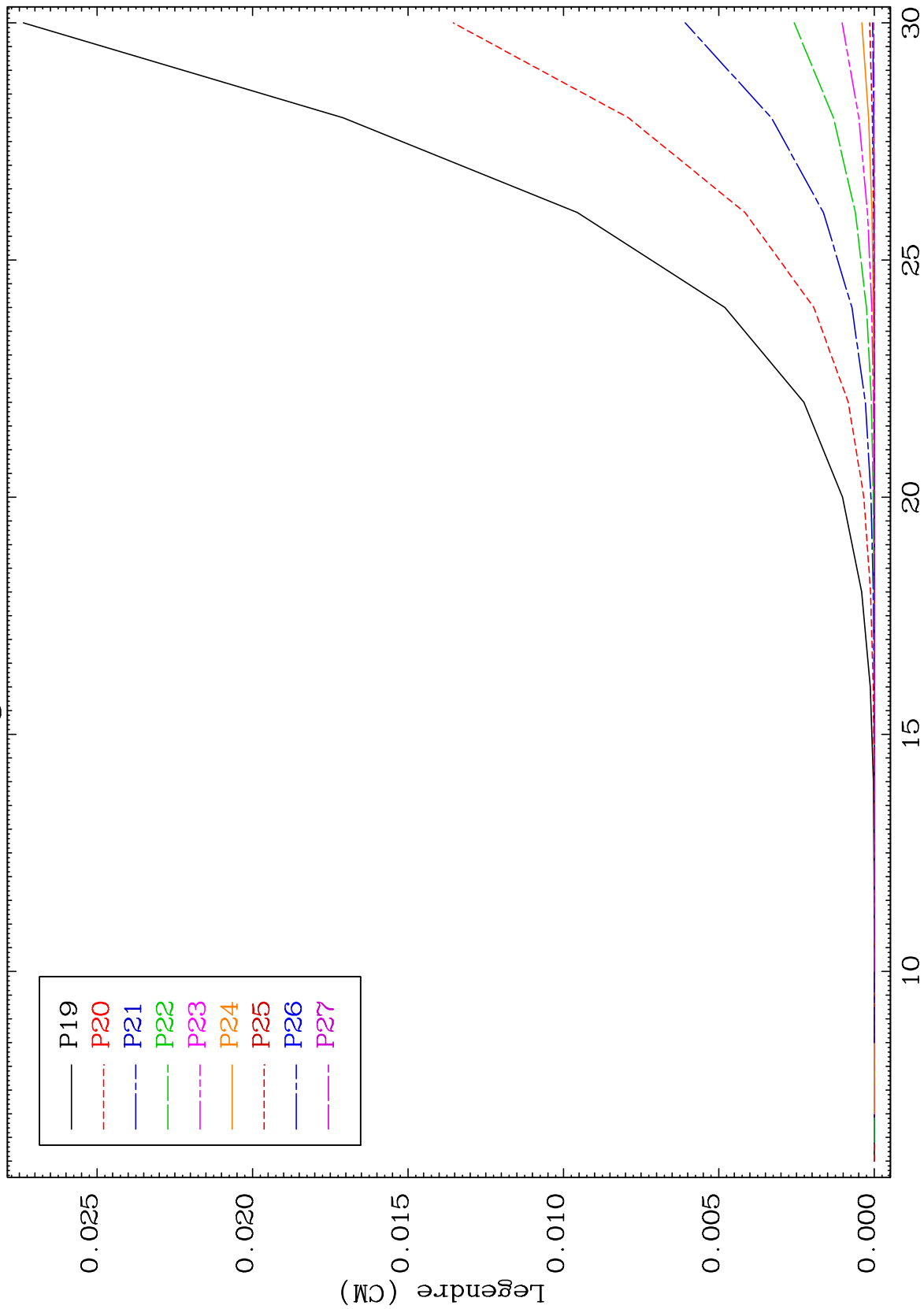




MAT 7140

Elastic Legendre Coefficients

71-Lu-180



18

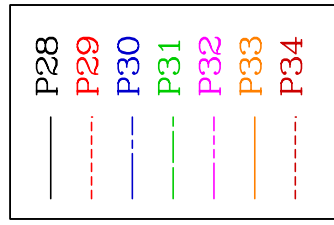
Incident Energy (MeV)

71-Lu-180

MAT 7140

Elastic Legendre Coefficients

⁷¹Lu-180

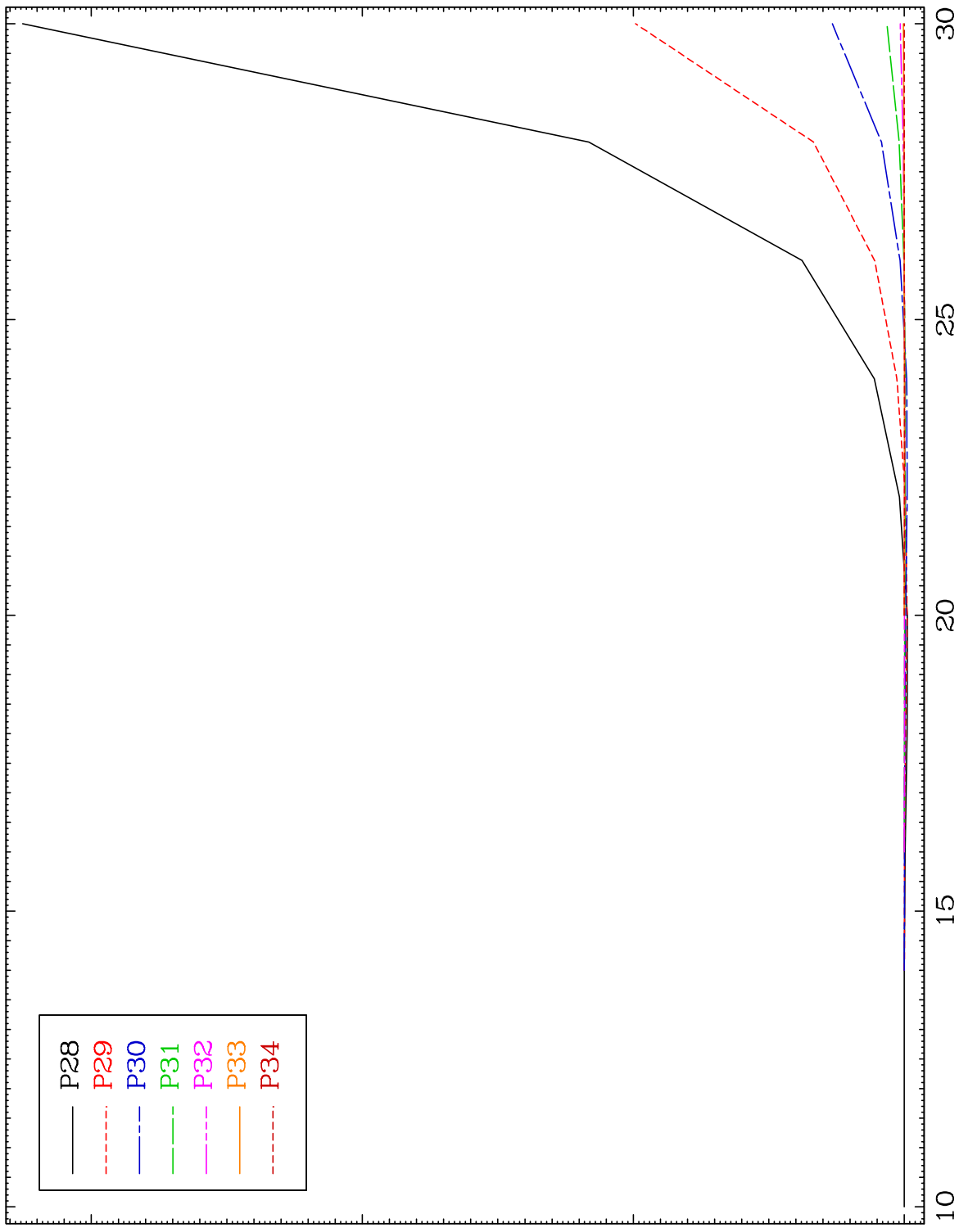


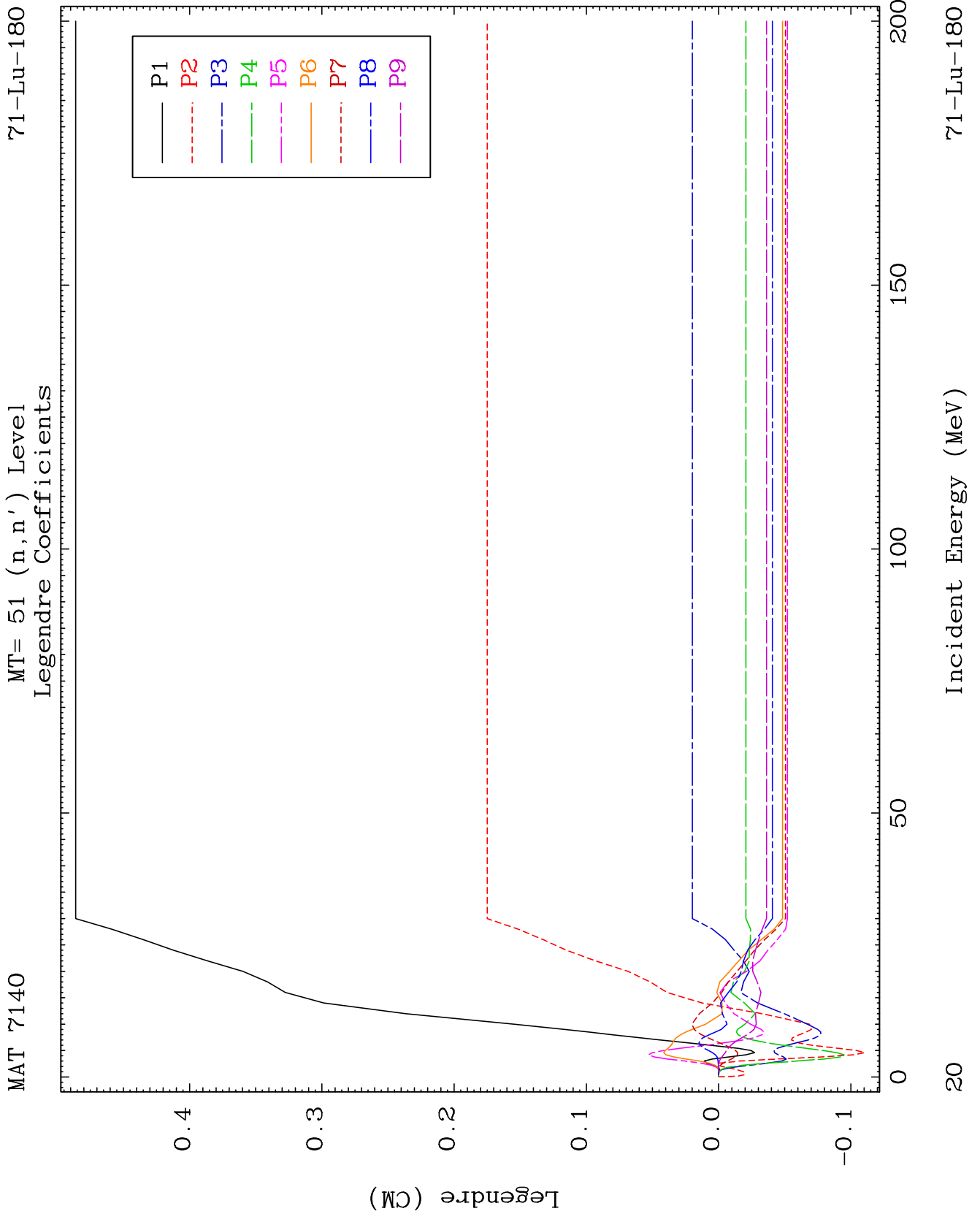
$\times 10^{-6}$

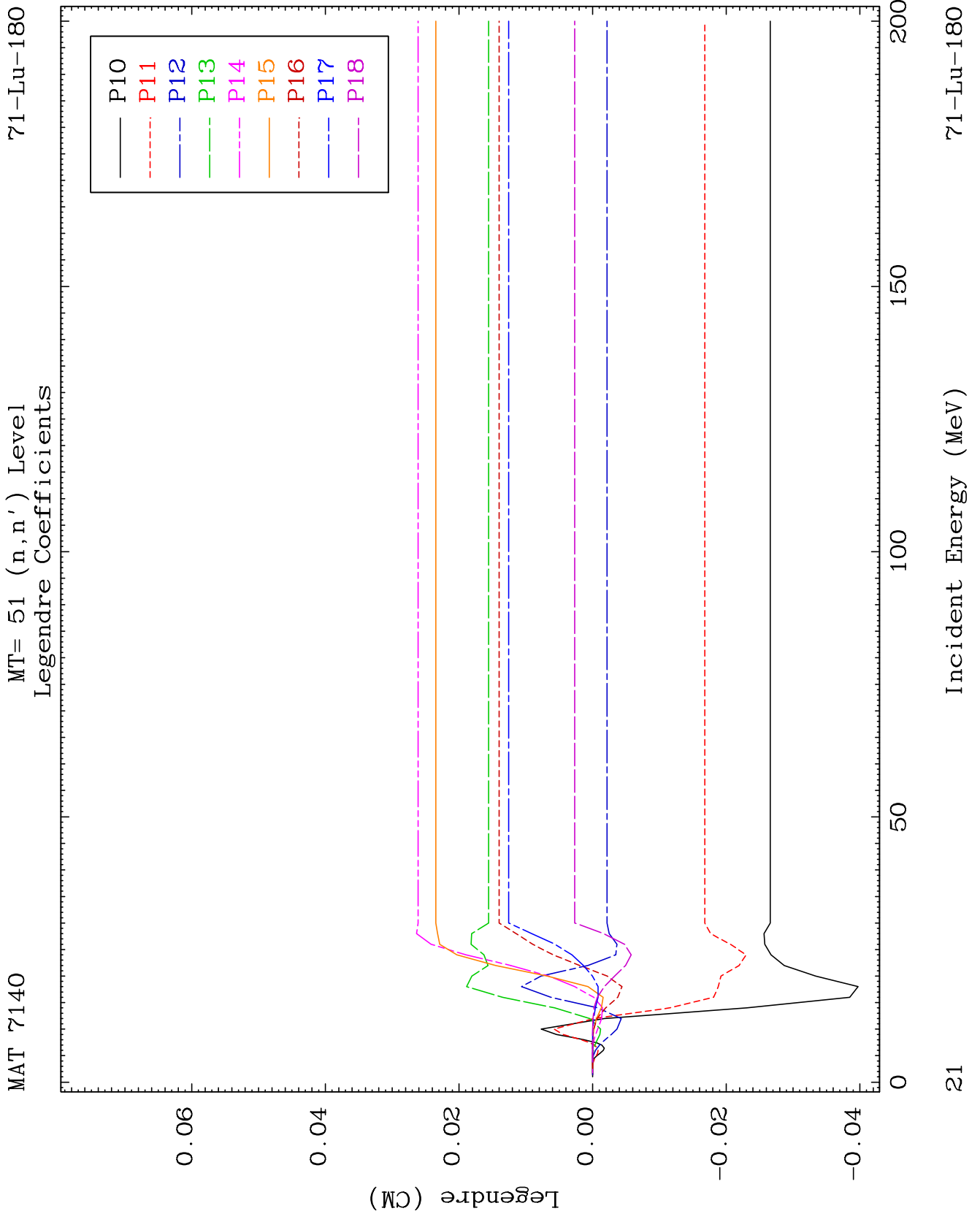
Legendre (CM)

Incident Energy (MeV)

⁷¹Lu-180



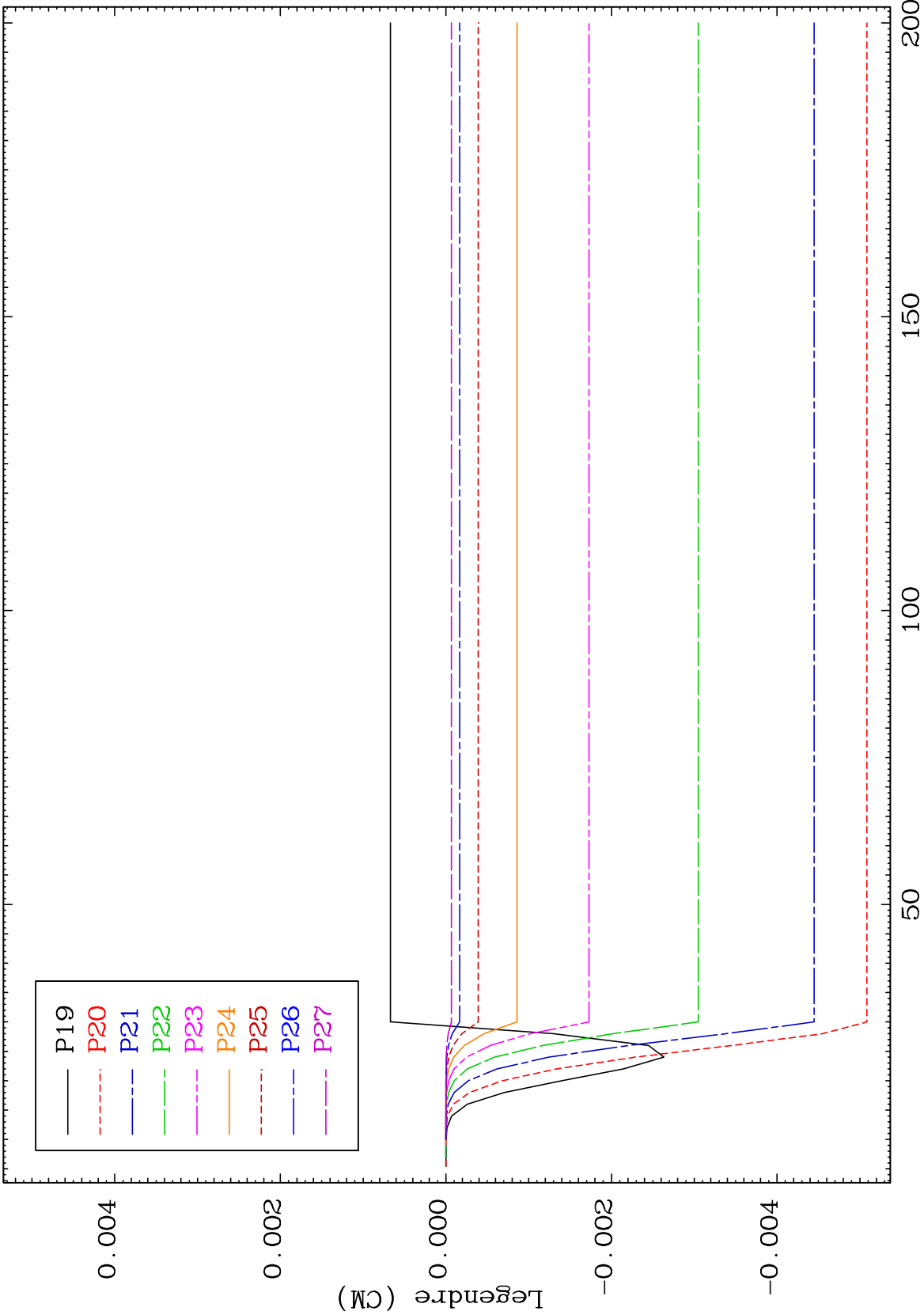


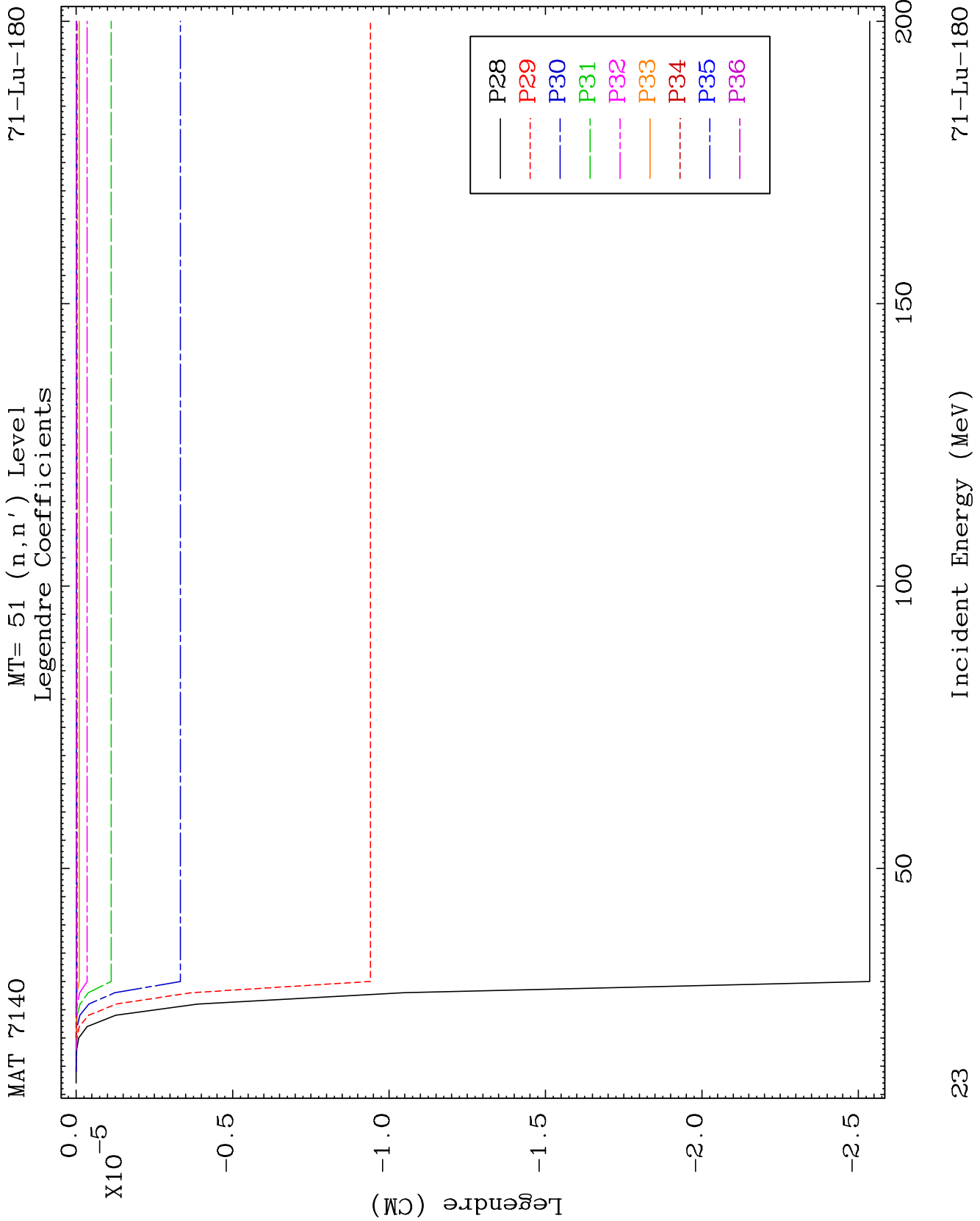


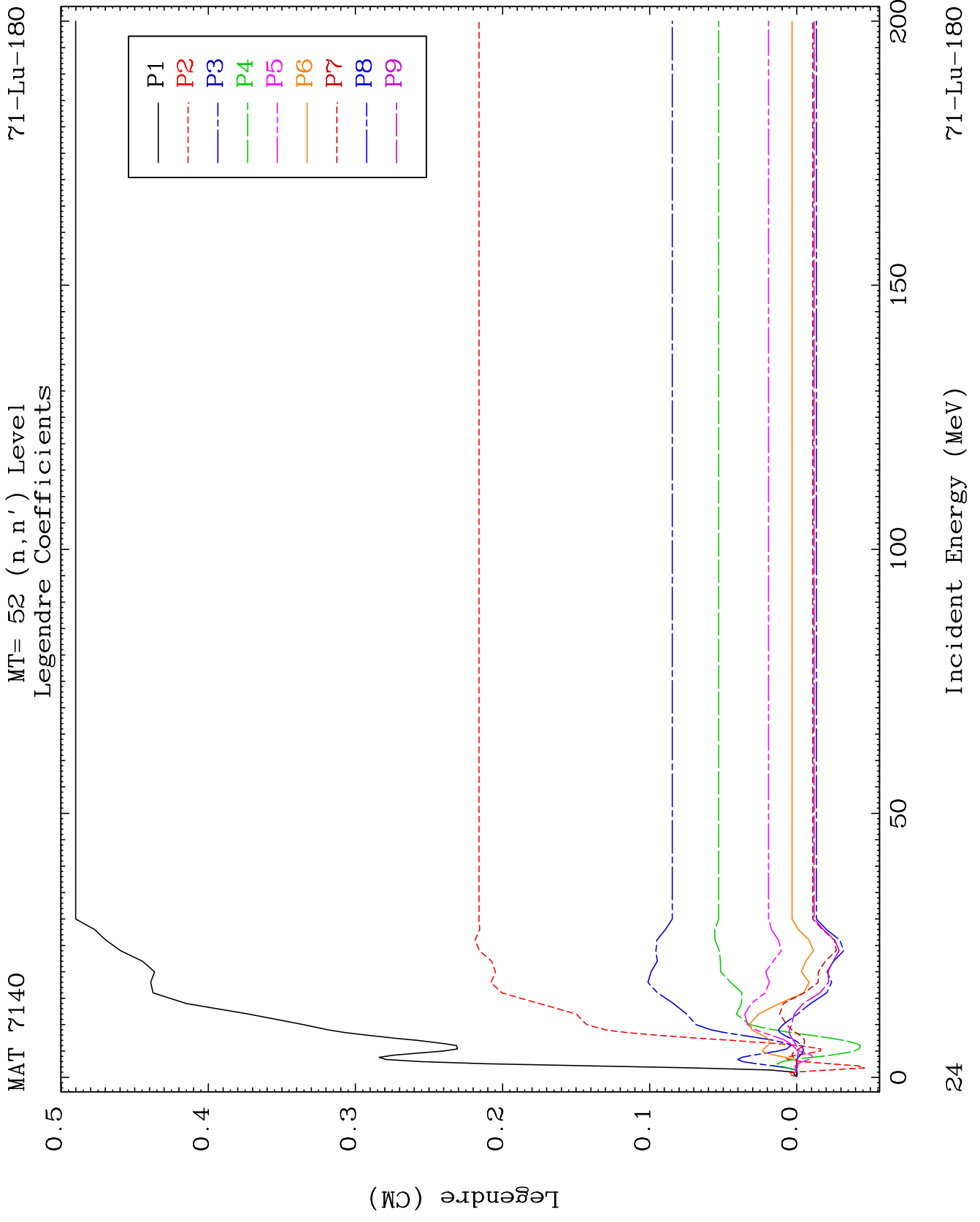
MAT 7140

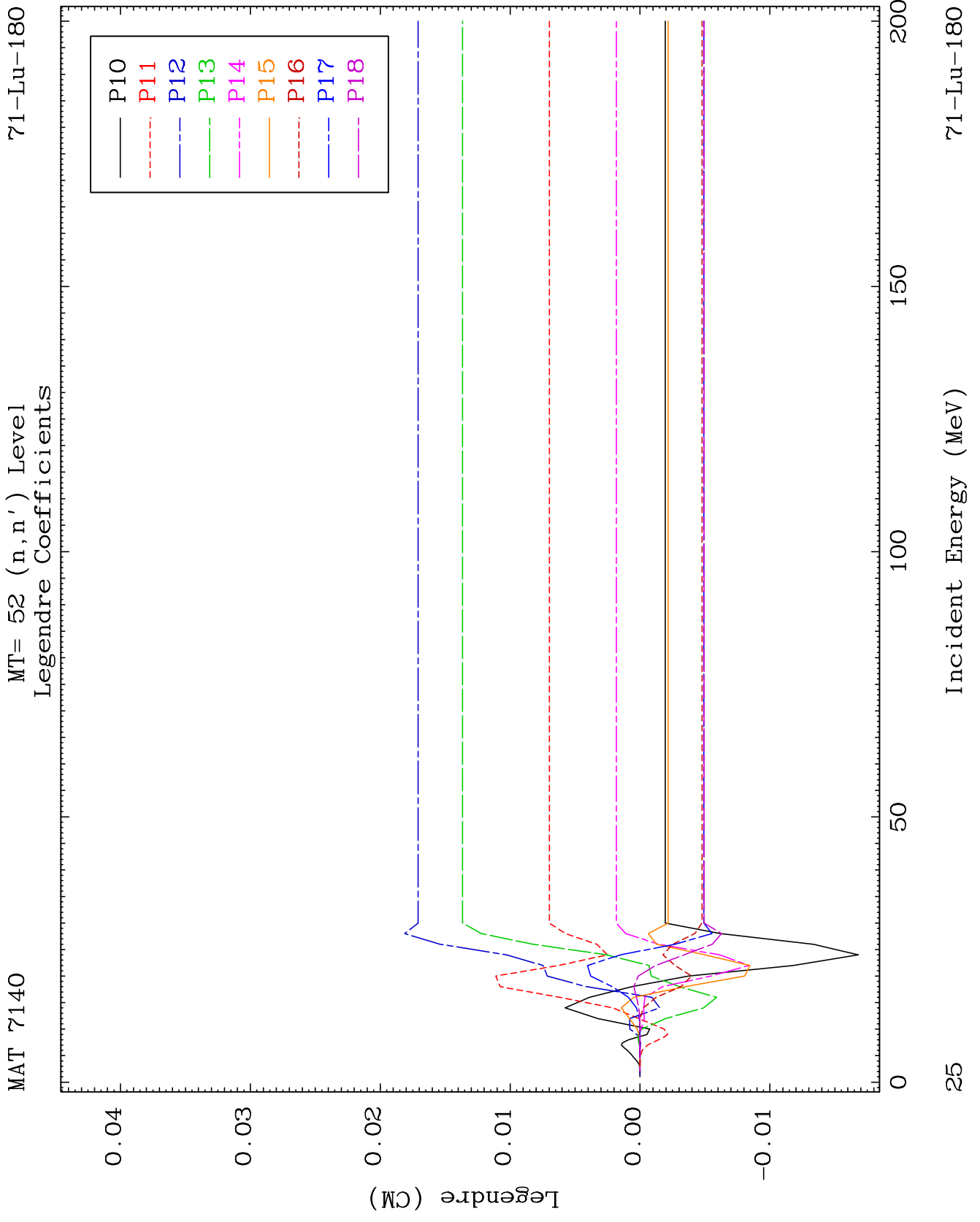
MT= 51 (n,n') Level
Legendre Coefficients

71-Lu-180





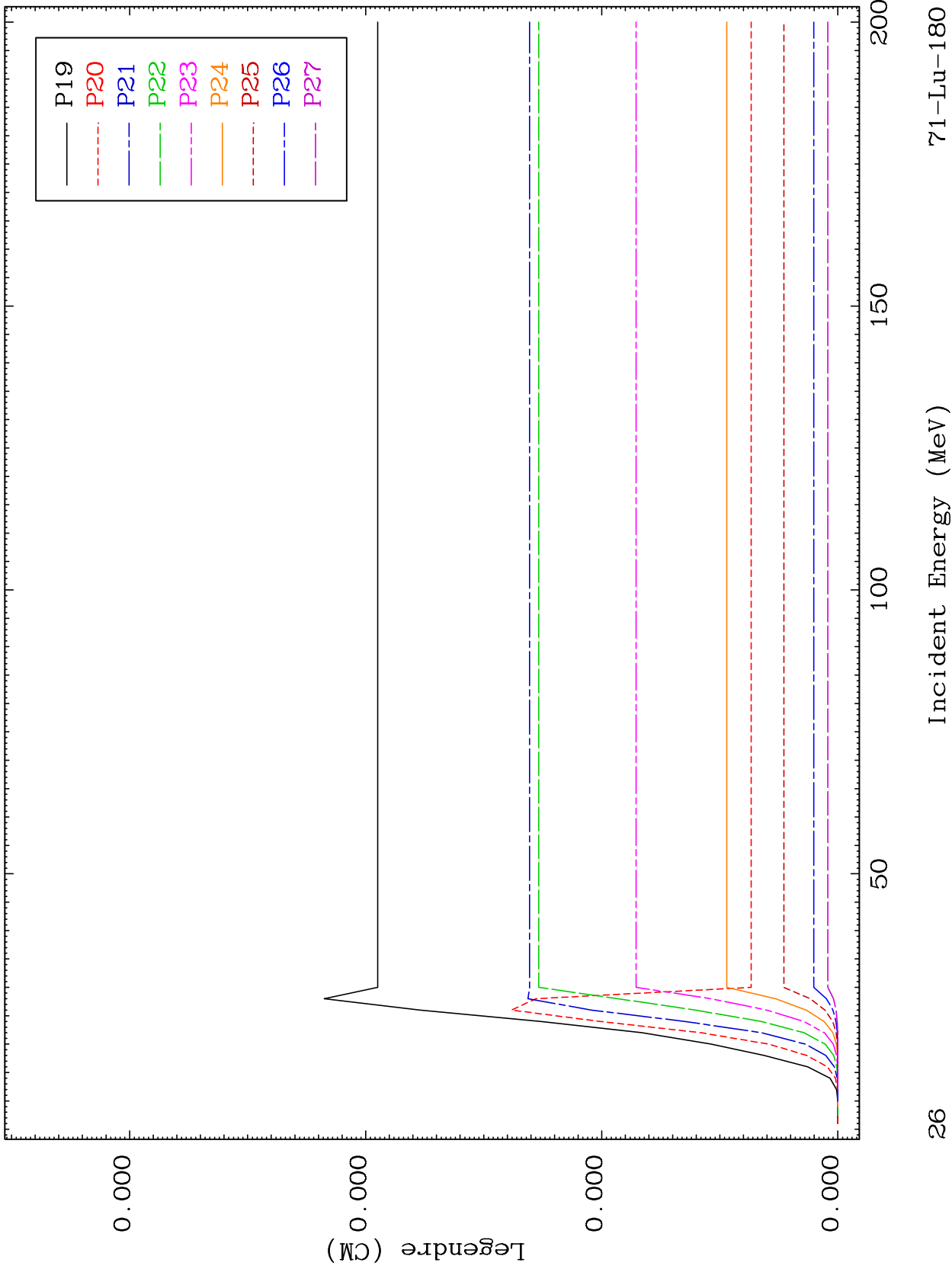




MAT 7140

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

71-Lu-180



26

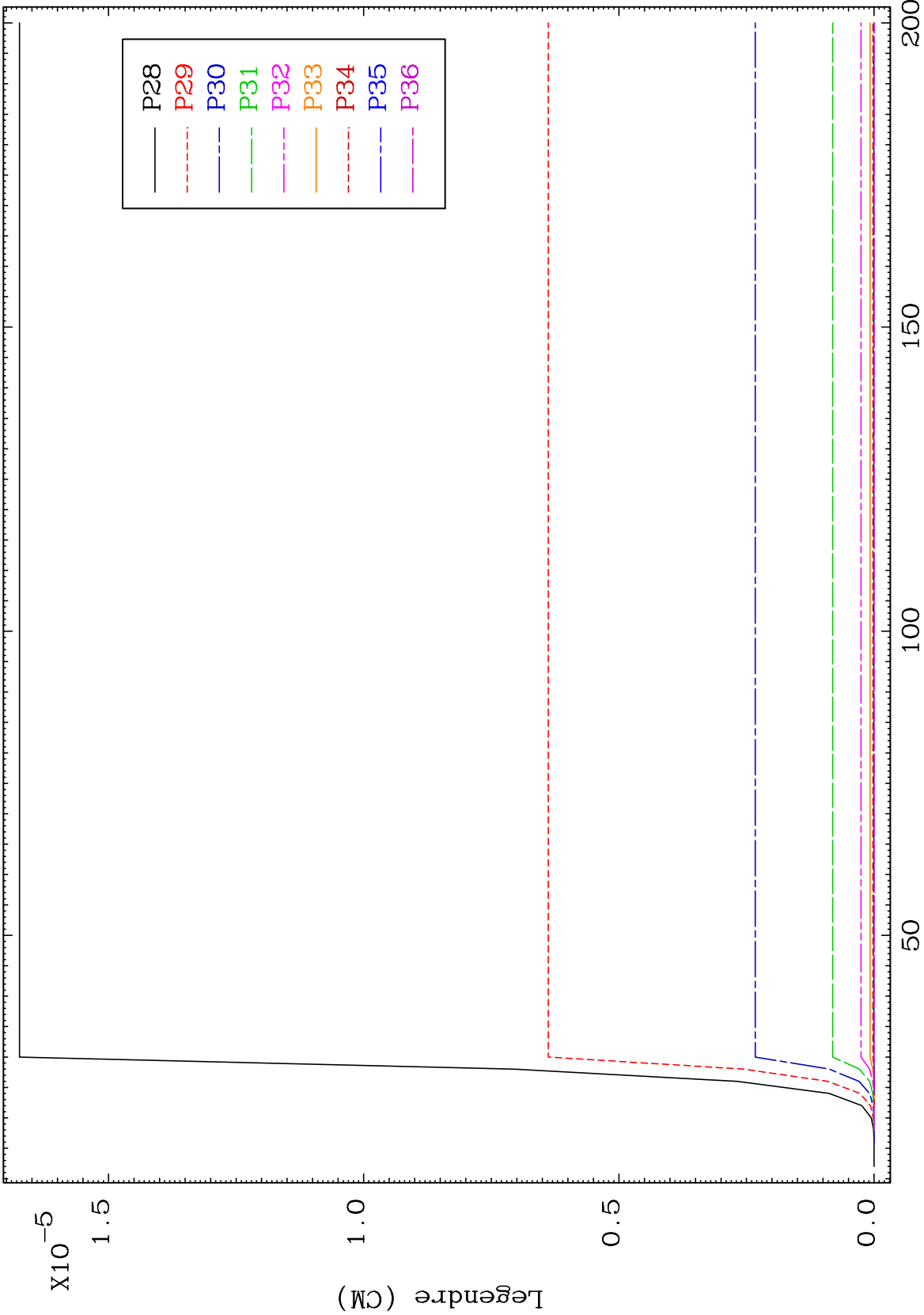
Incident Energy (MeV)

71-Lu-180

MAT 7140

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

71-Lu-180



71-Lu-180

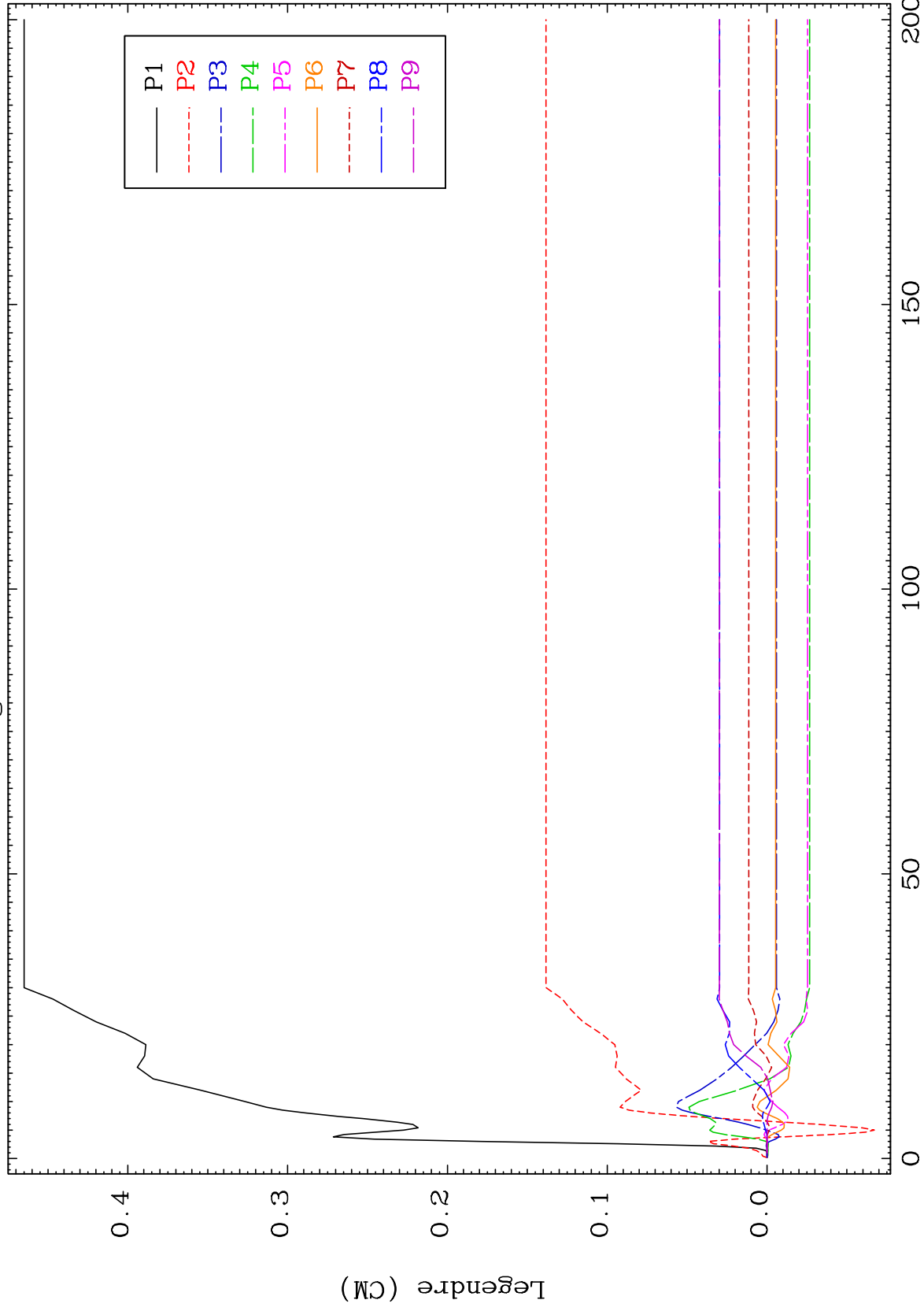
Incident Energy (MeV)

27

MAT 7140

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

71-Lu-180



28

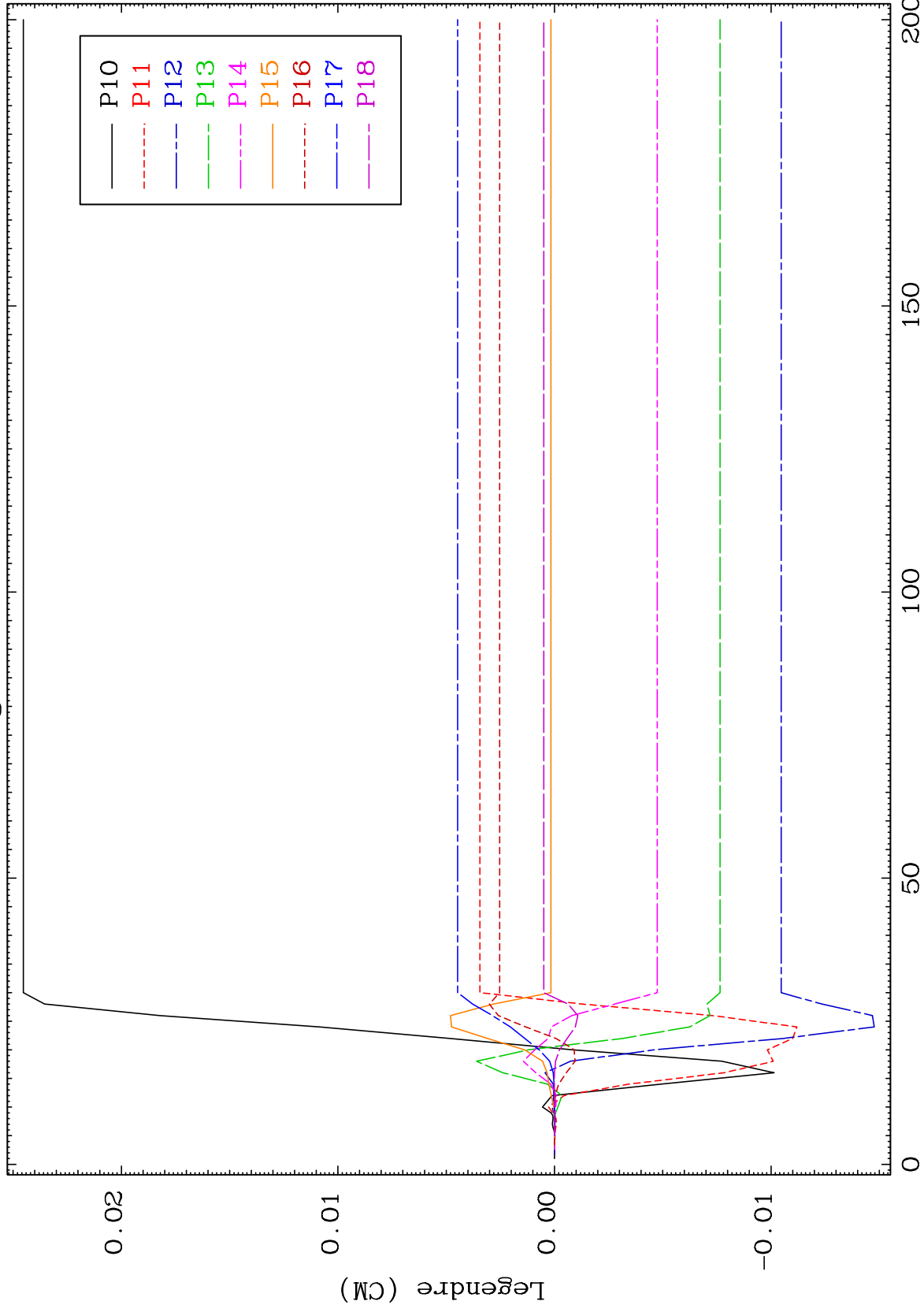
Incident Energy (MeV)

71-Lu-180

MAT 7140

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

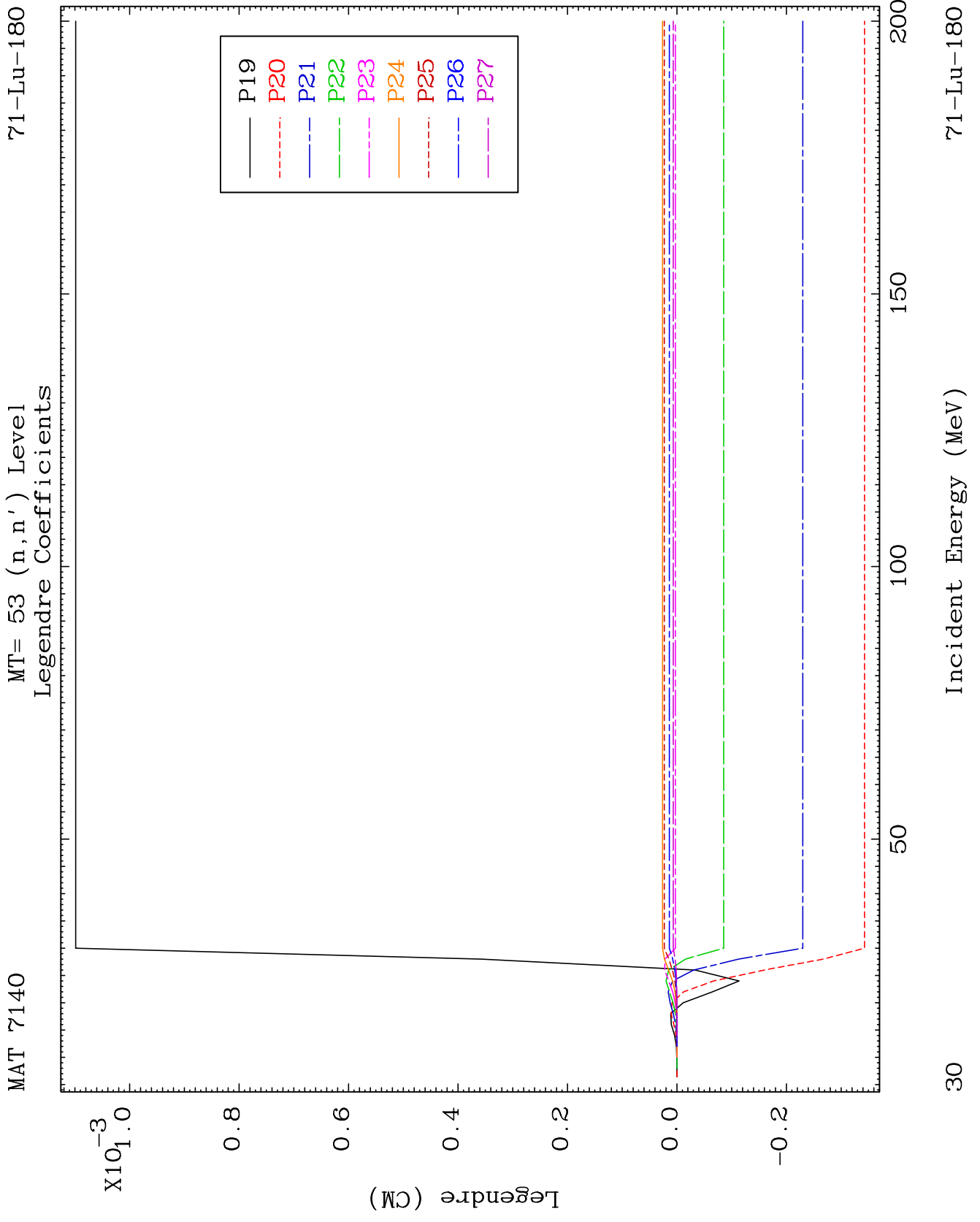
71-Lu-180



29

Incident Energy (MeV)

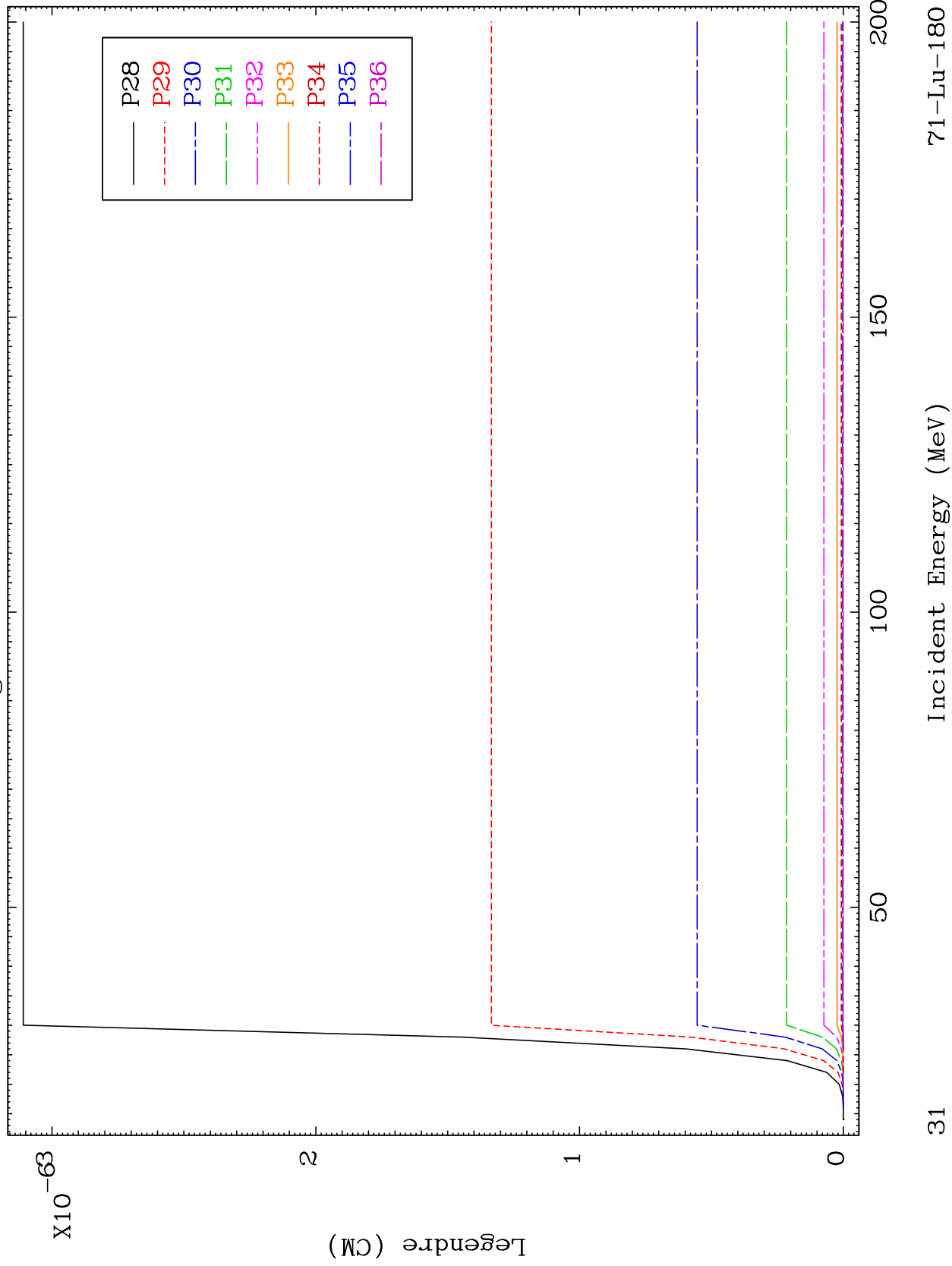
71-Lu-180



MAT 7140

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

71-Lu-180



31

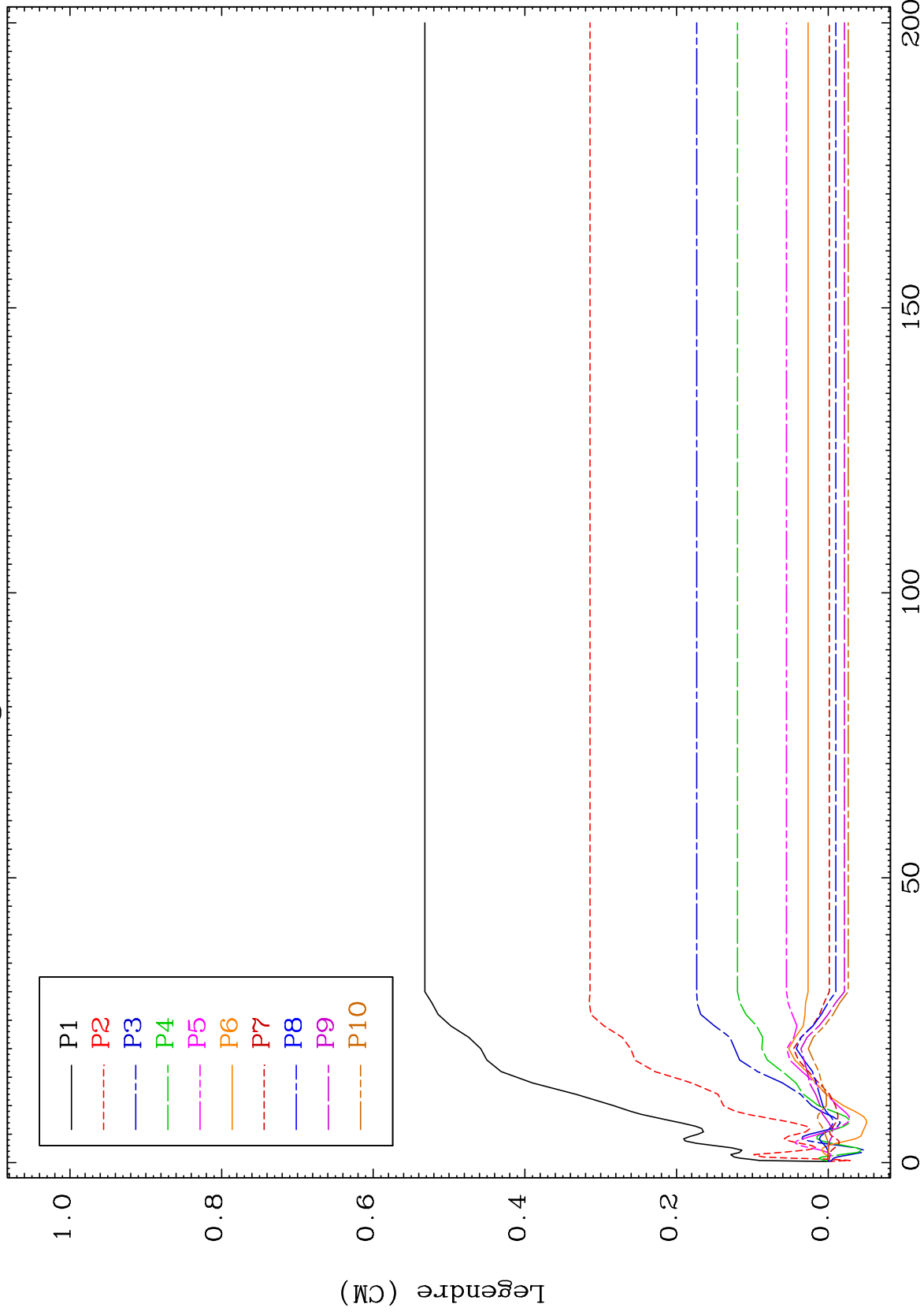
Incident Energy (MeV)

71-Lu-180

MAT 7140

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

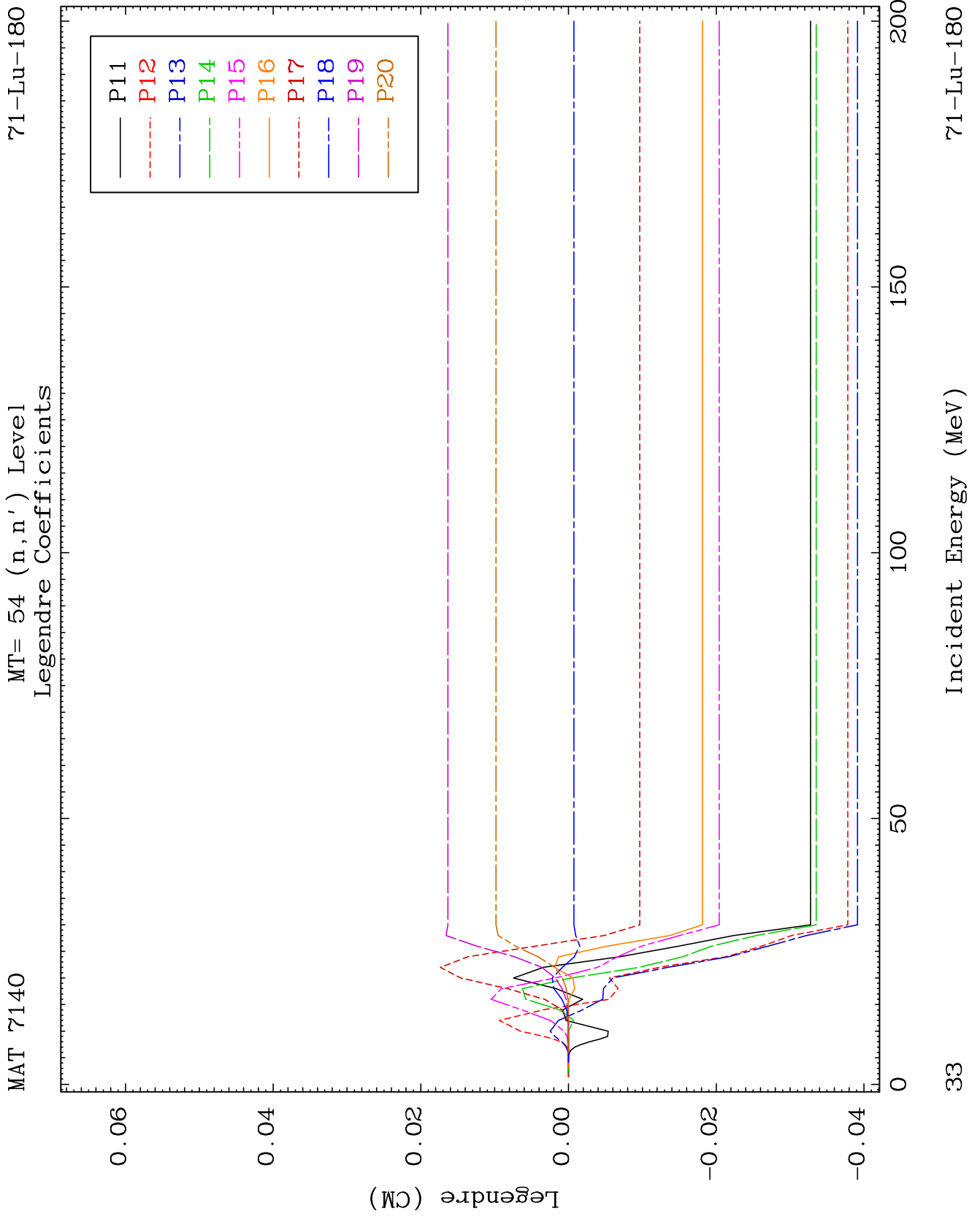
71-Lu-180



32

Incident Energy (MeV)

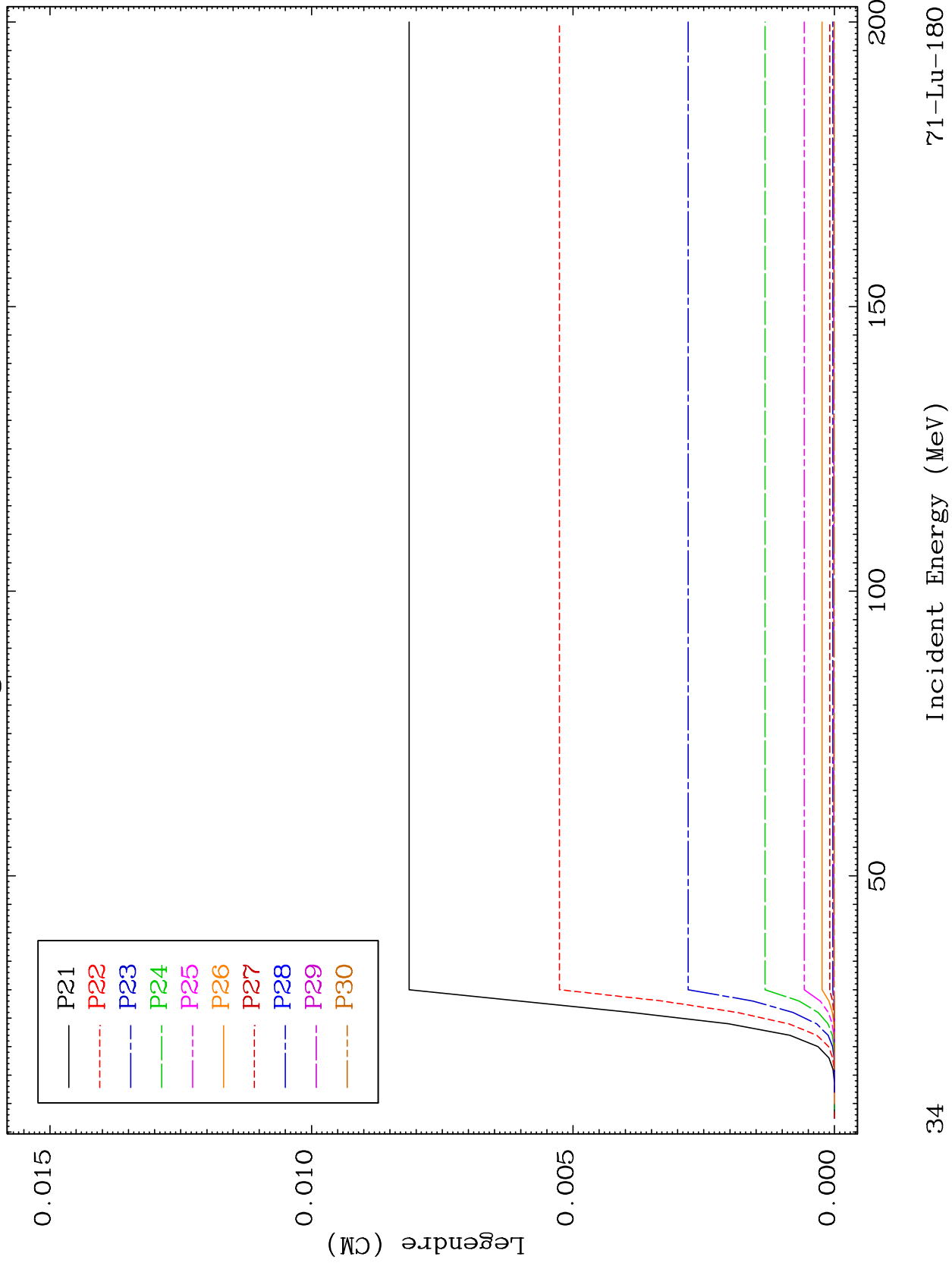
71-Lu-180



MAT 7140

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

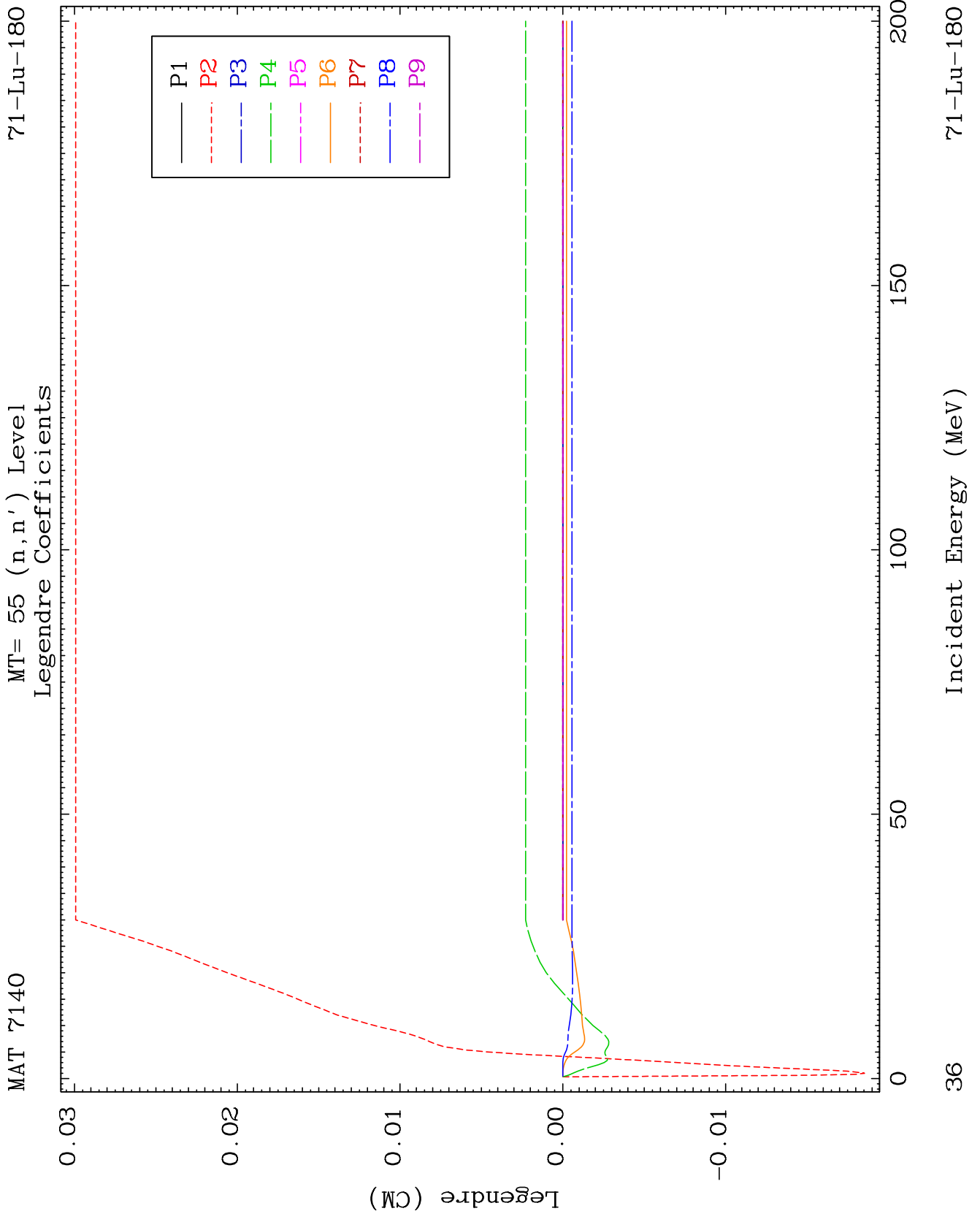
71-Lu-180



34

Incident Energy (MeV)

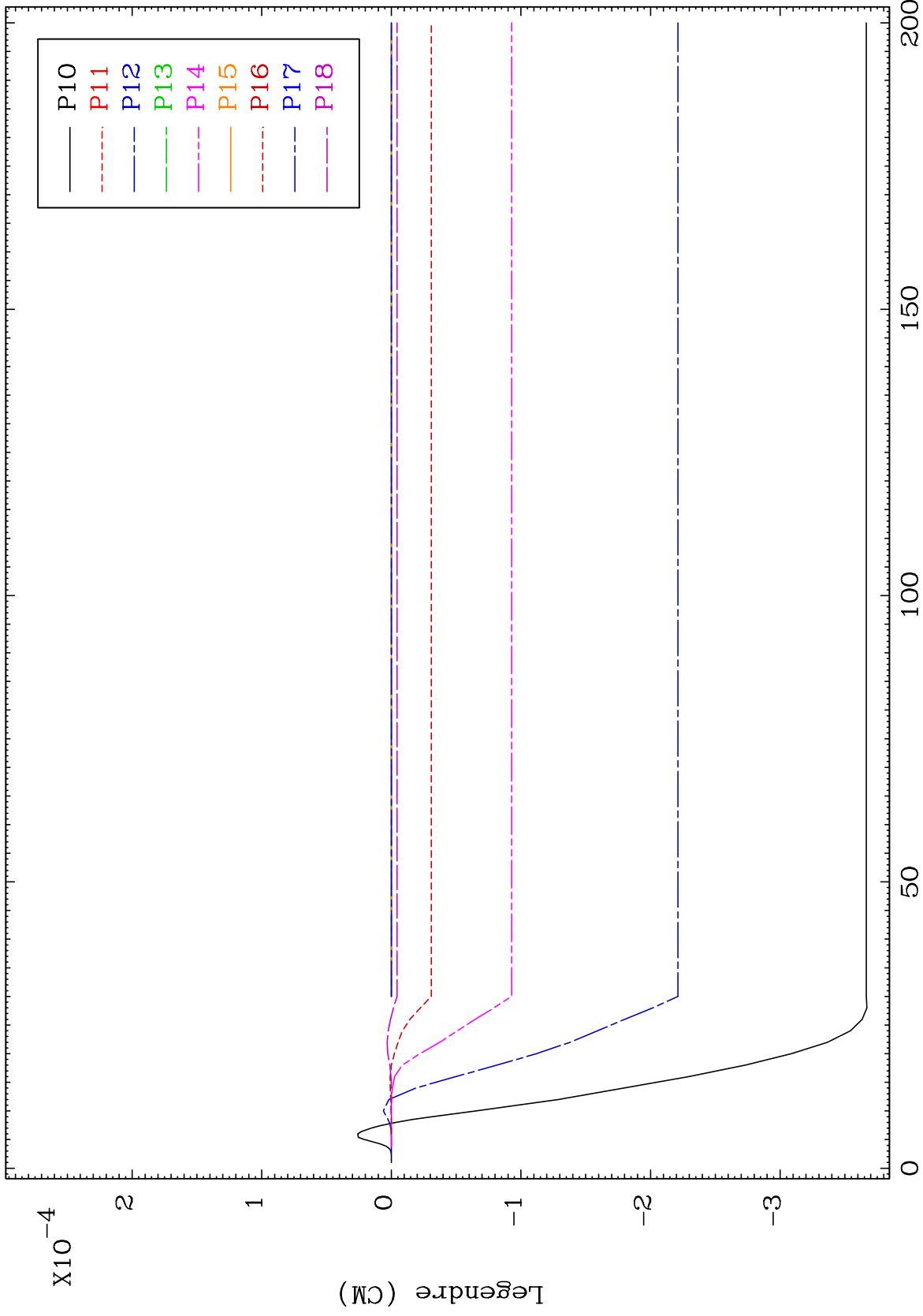
71-Lu-180



MAT 7140

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

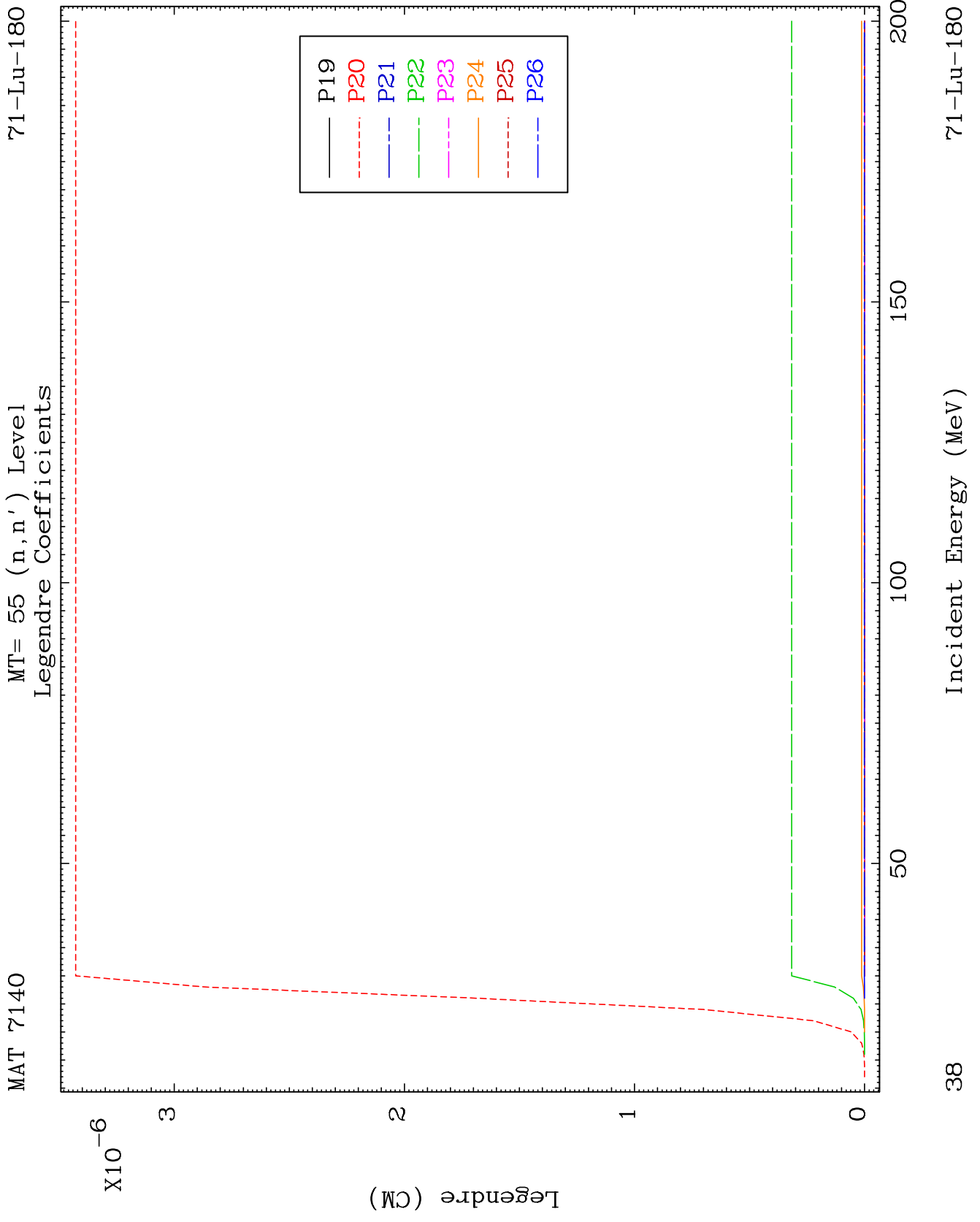
71-Lu-180

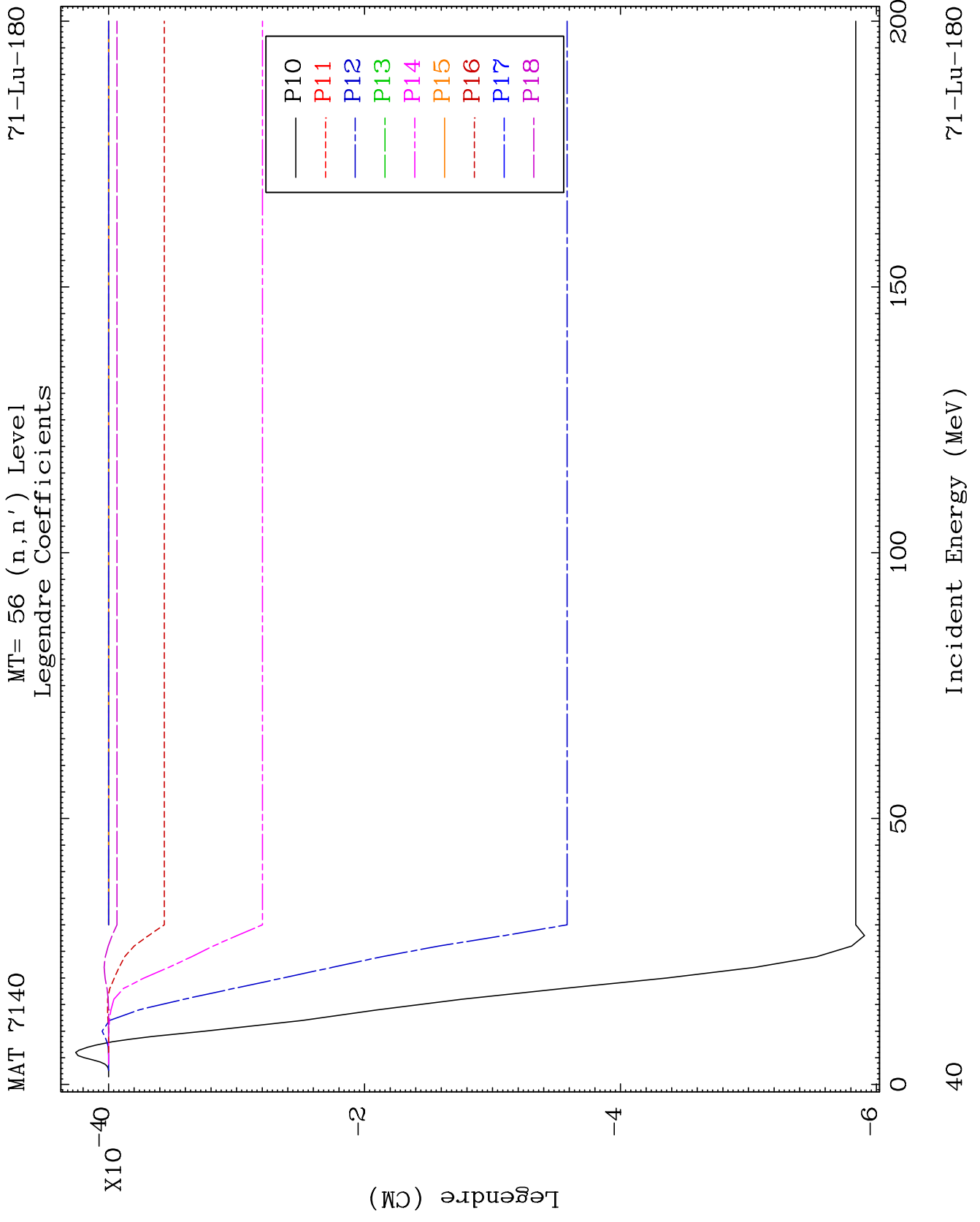


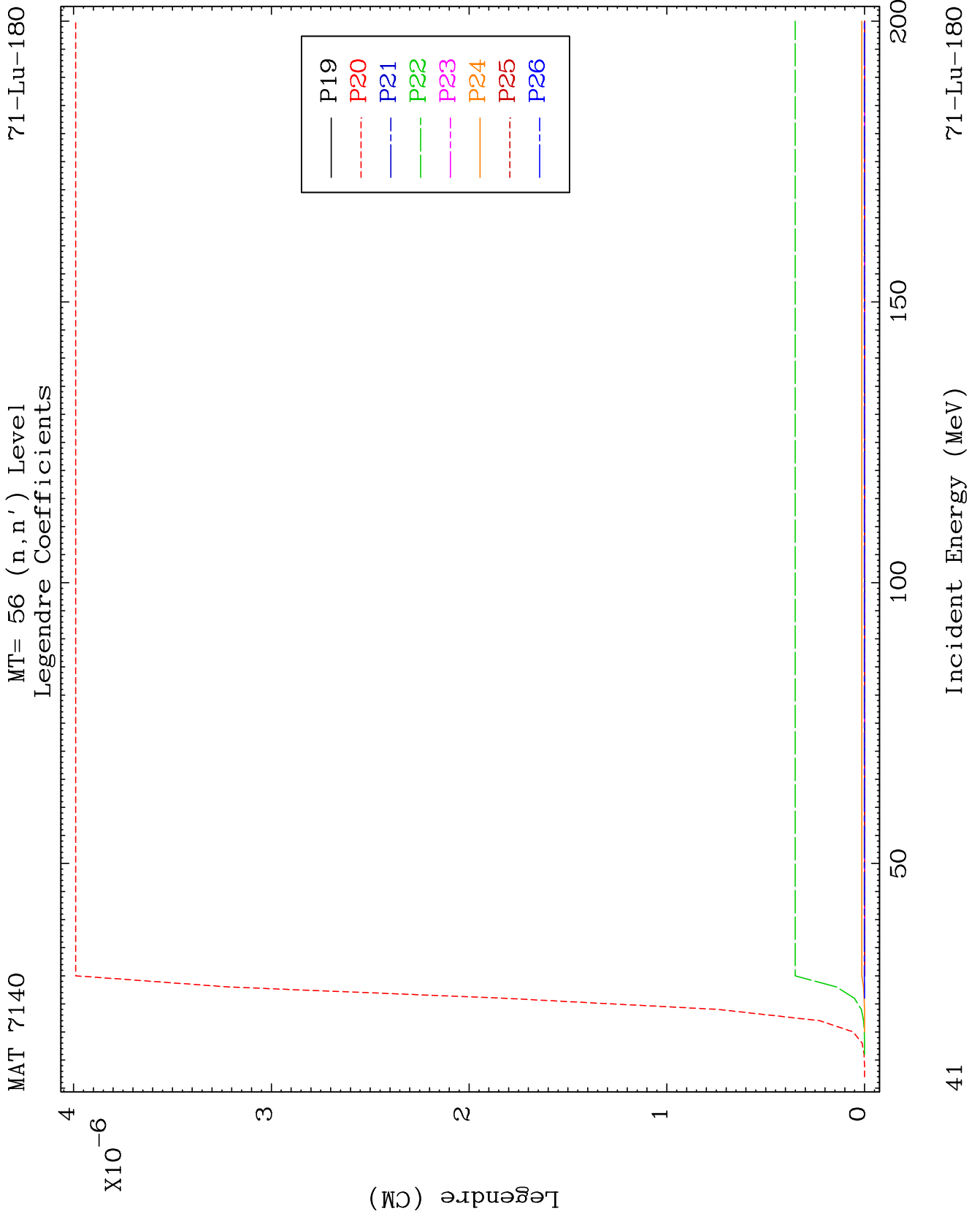
37

Incident Energy (MeV)

71-Lu-180



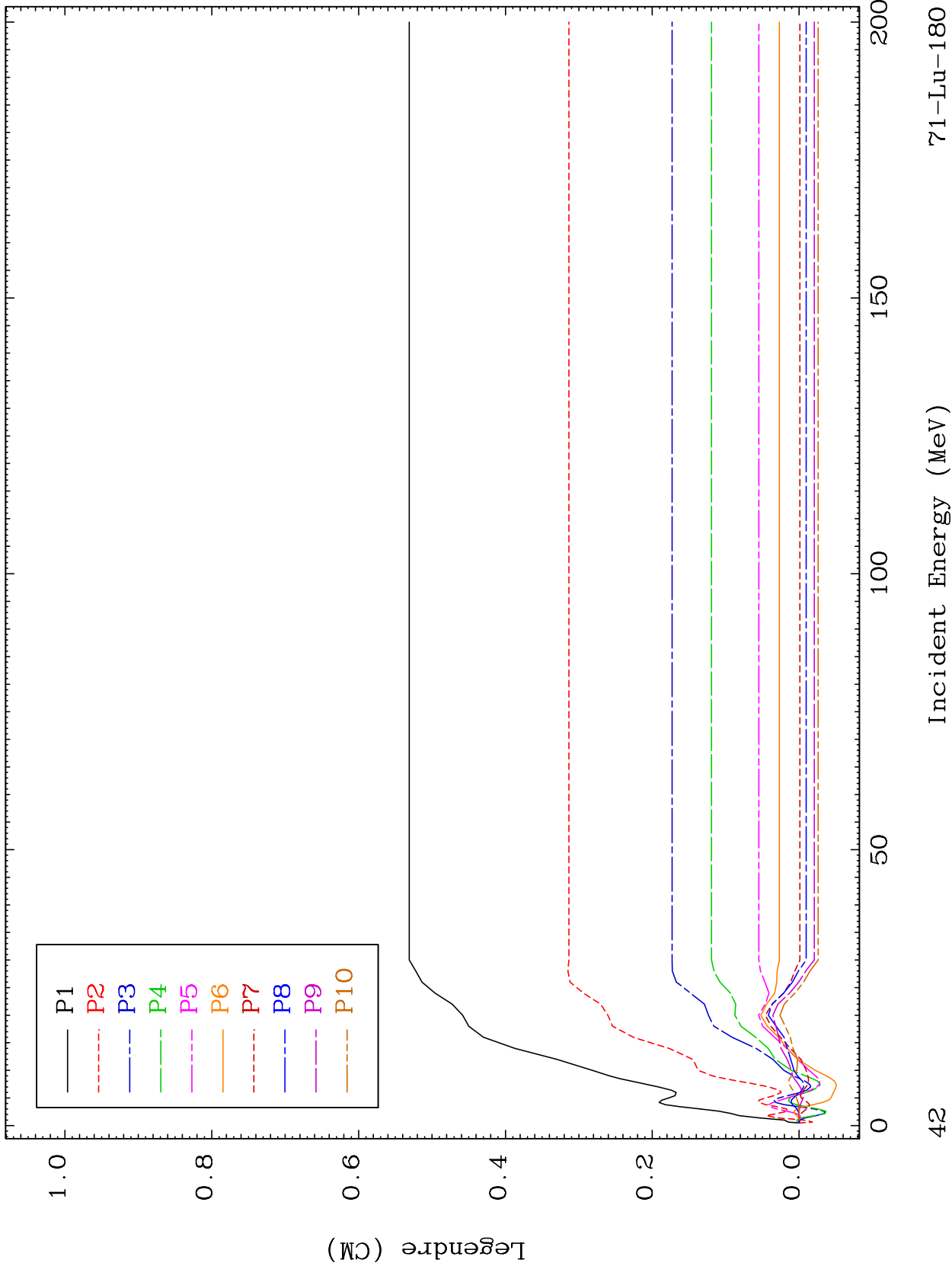




MAT 7140

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

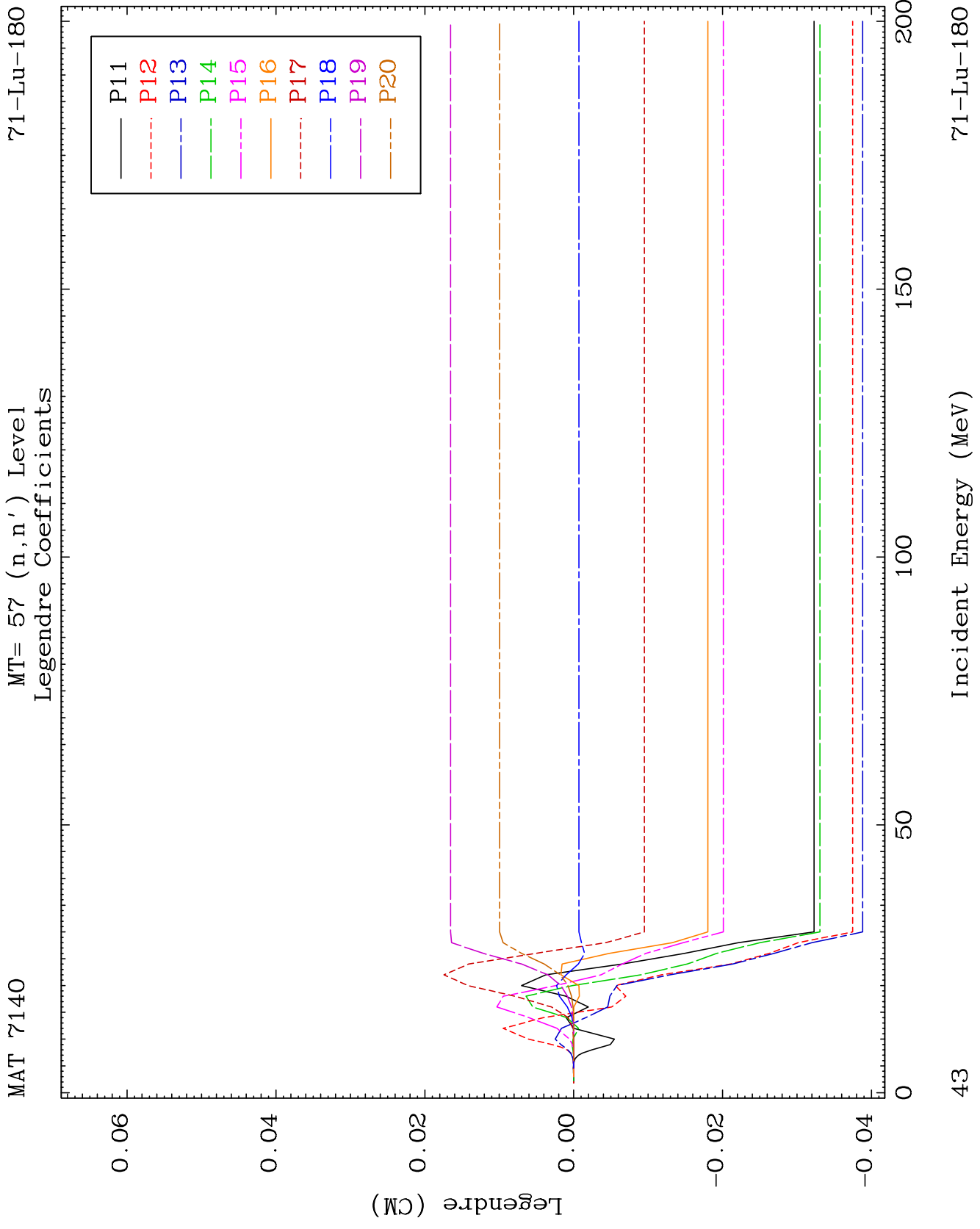
71-Lu-180



42

Incident Energy (MeV)

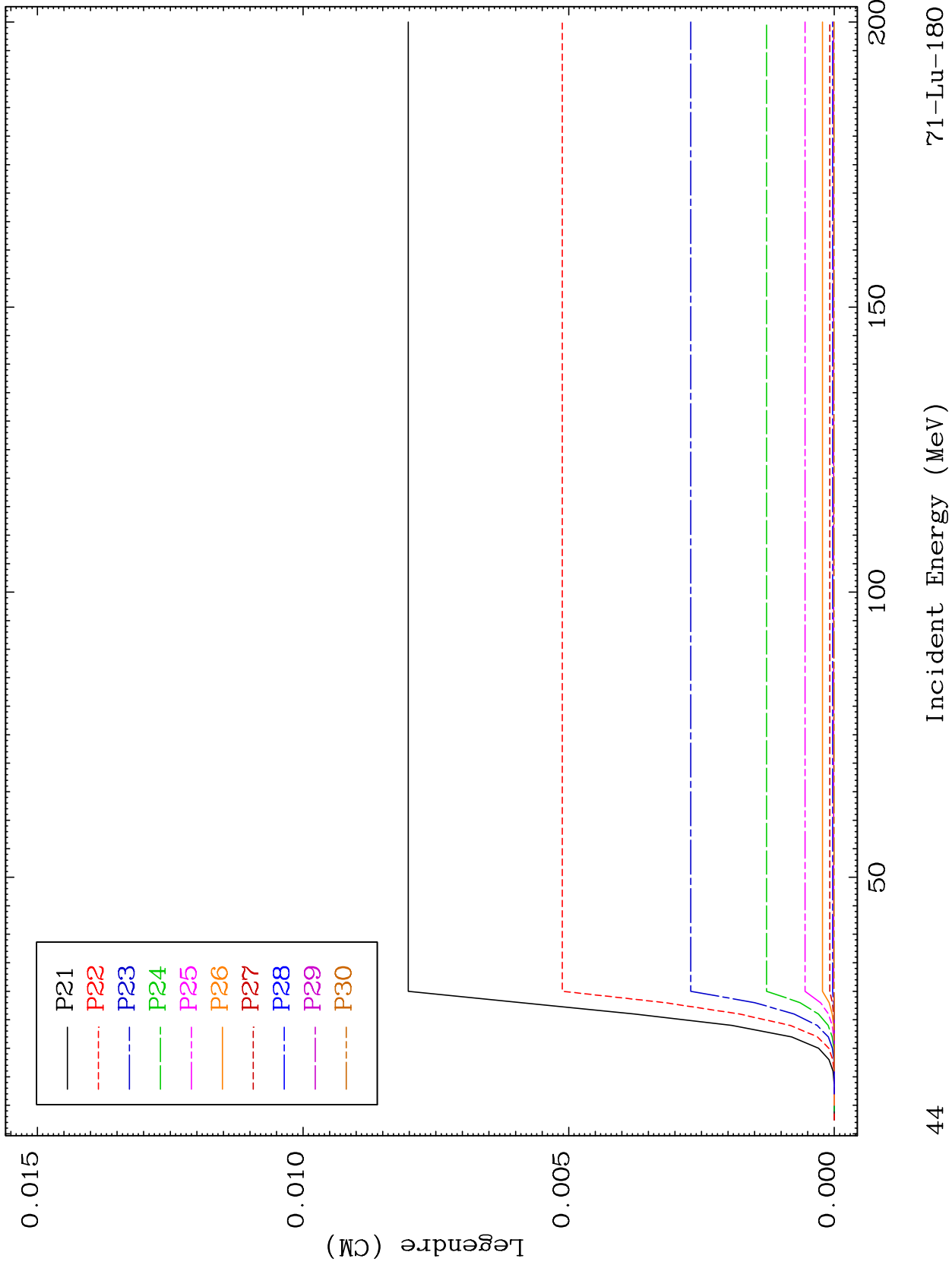
71-Lu-180



MAT 7140

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

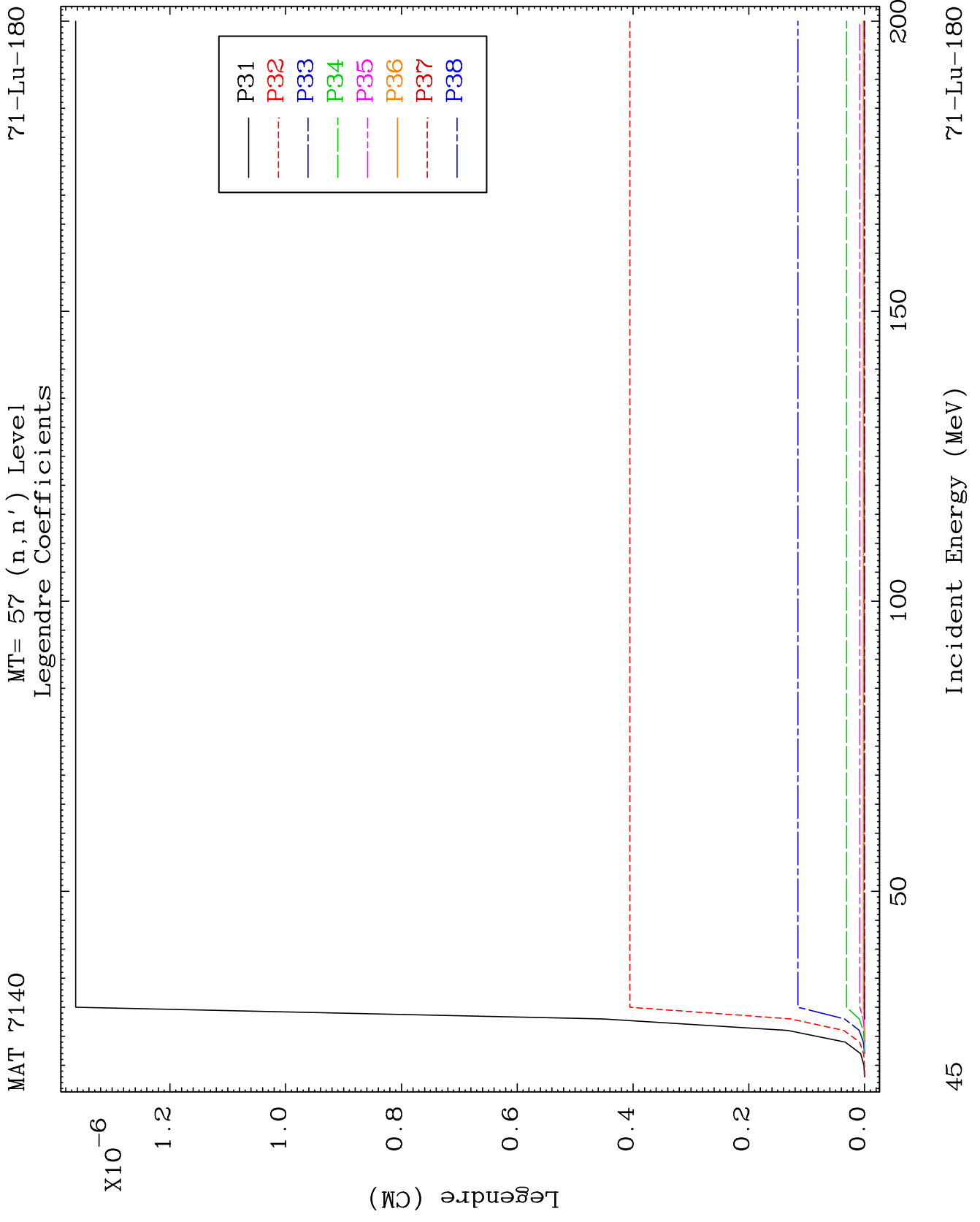
71-Lu-180

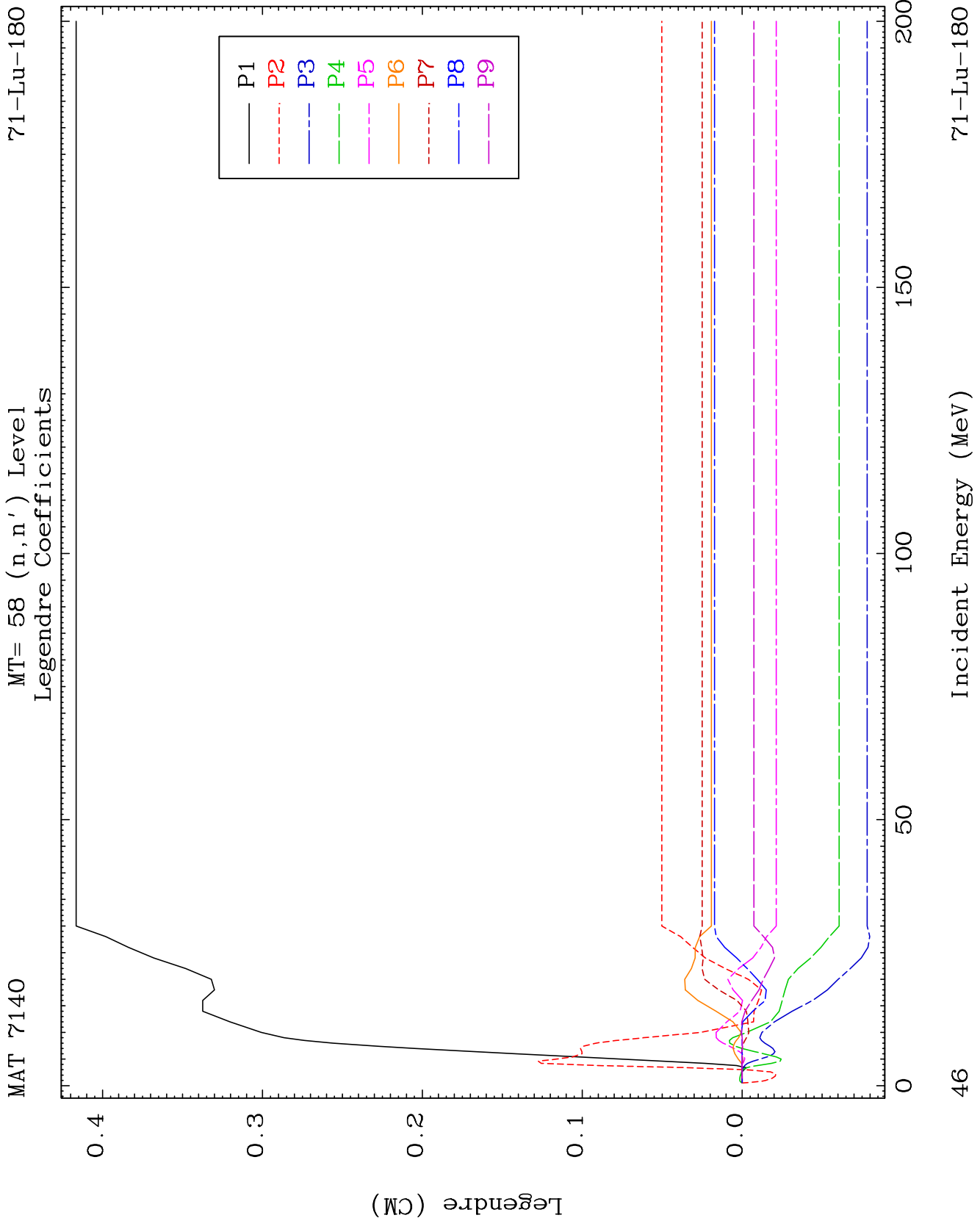


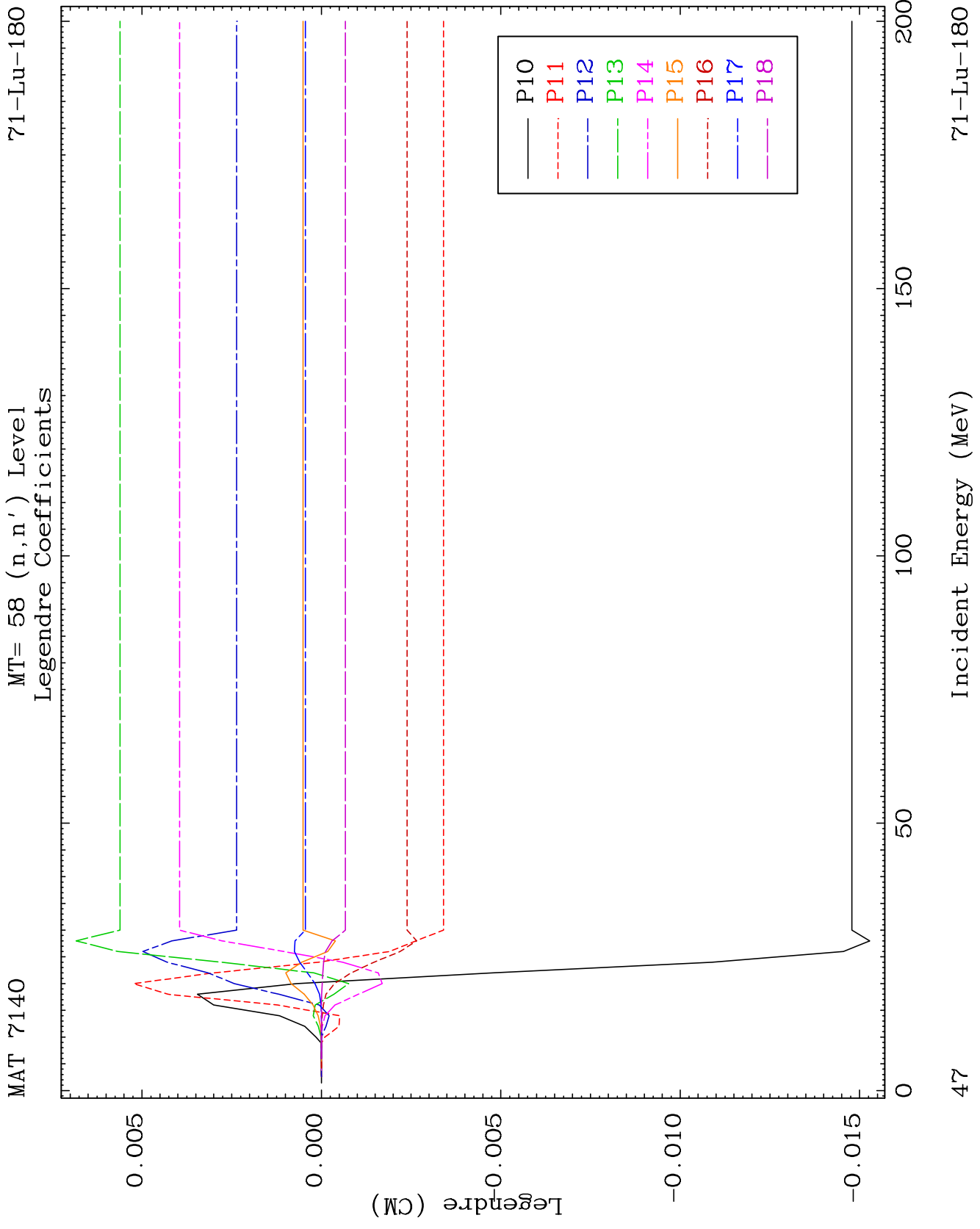
44

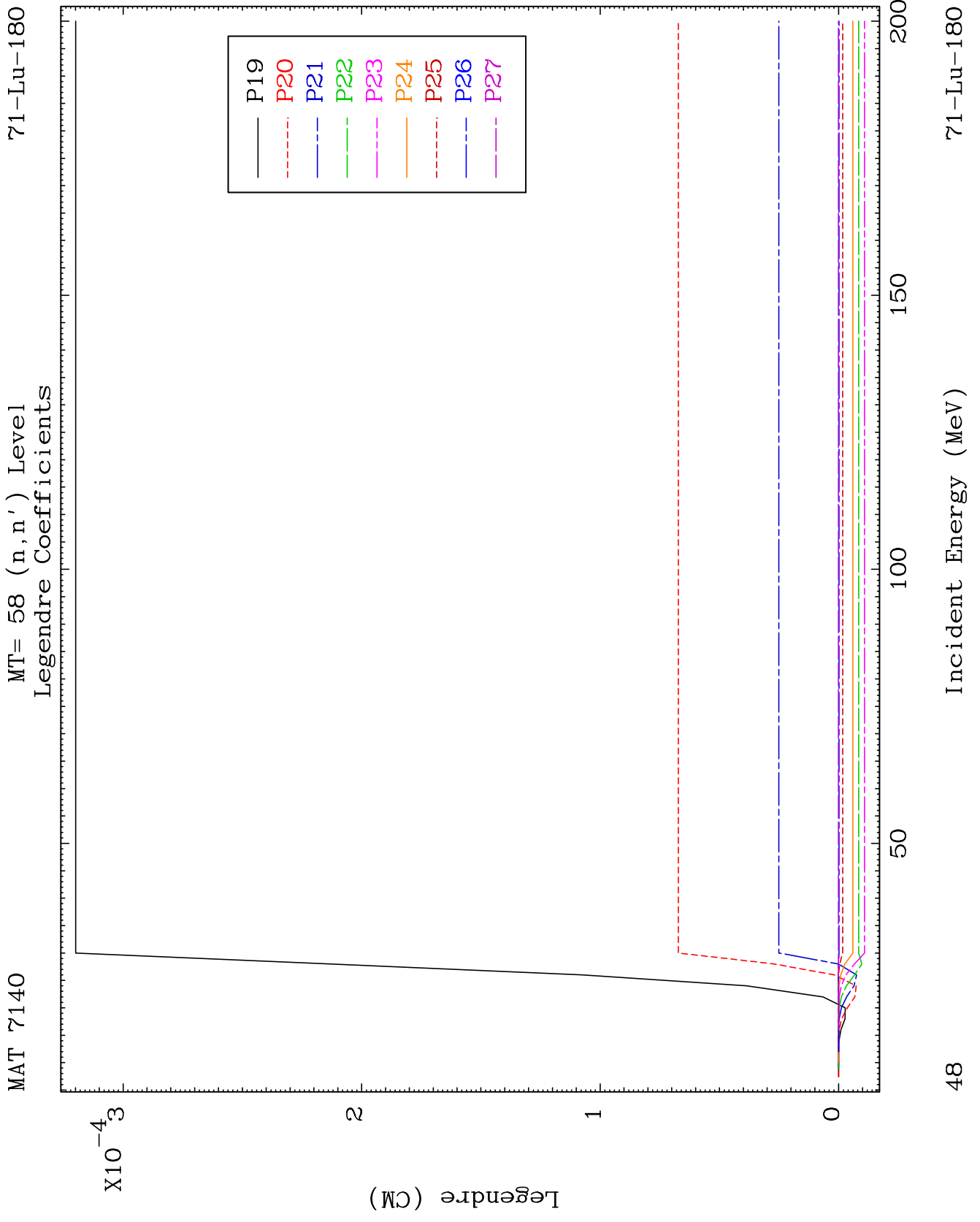
Incident Energy (MeV)

71-Lu-180





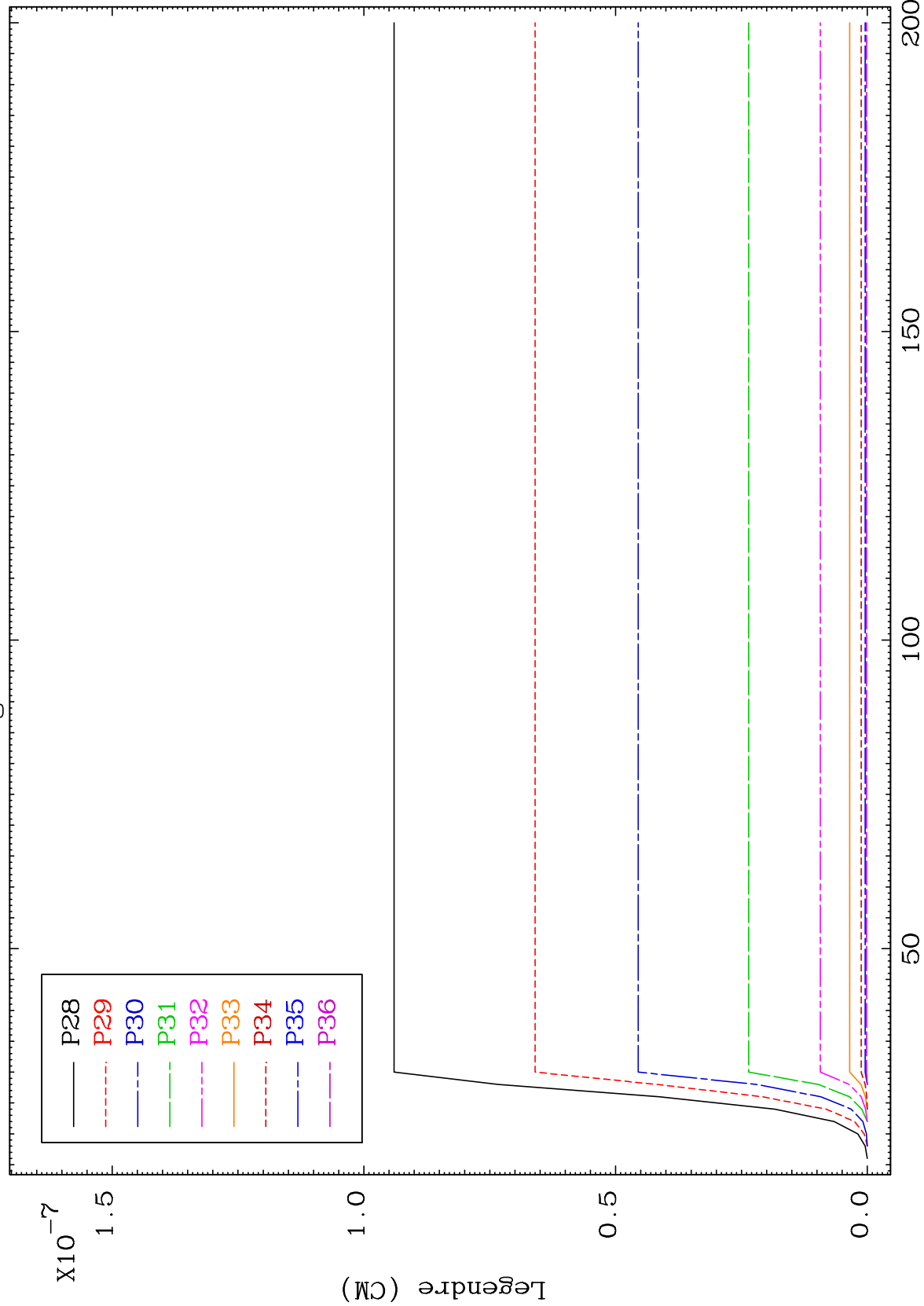
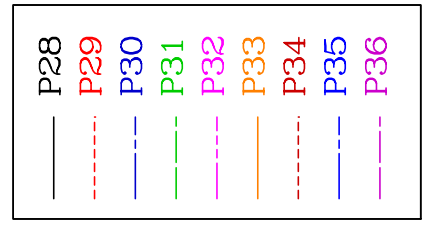




MAT 7140

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

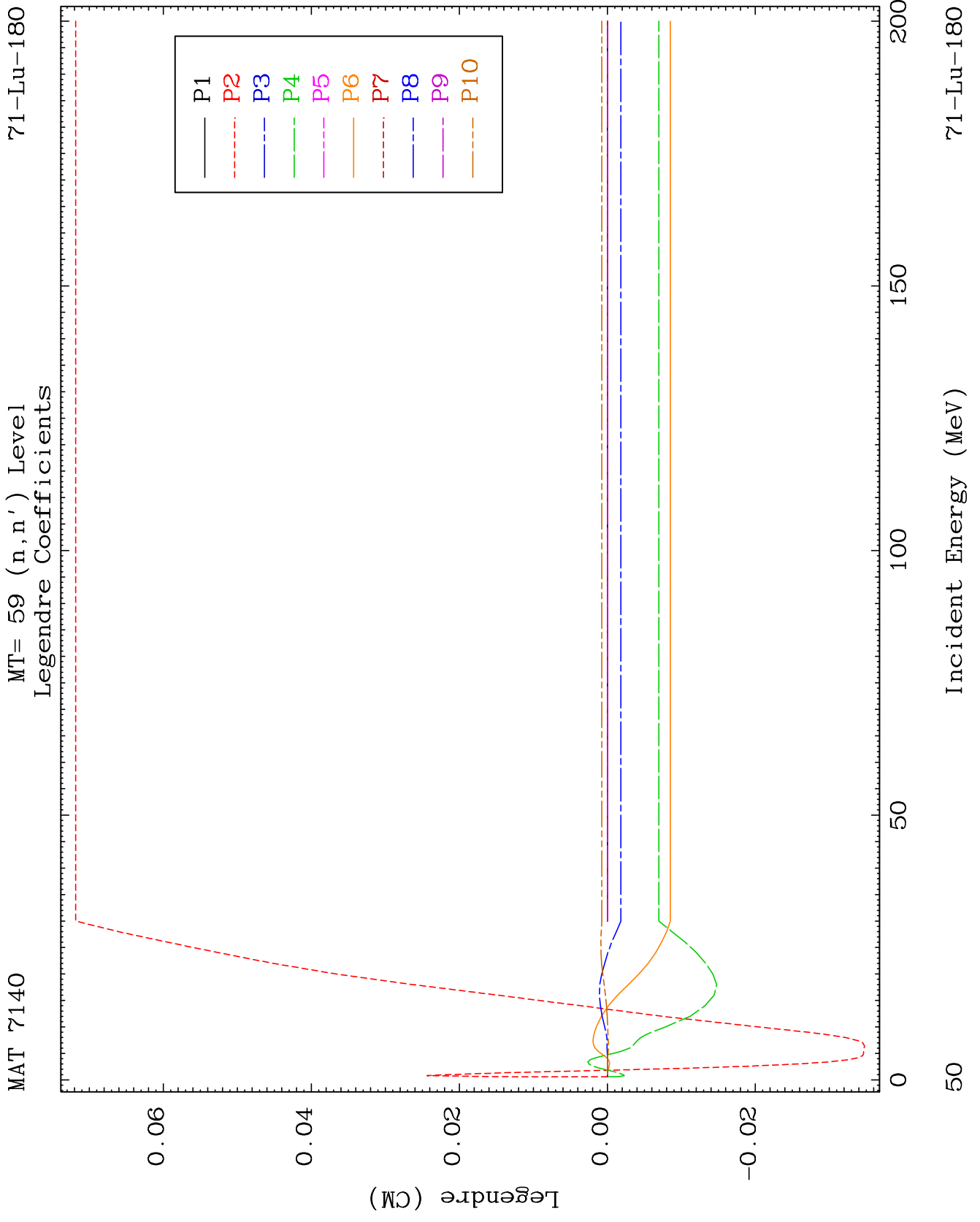
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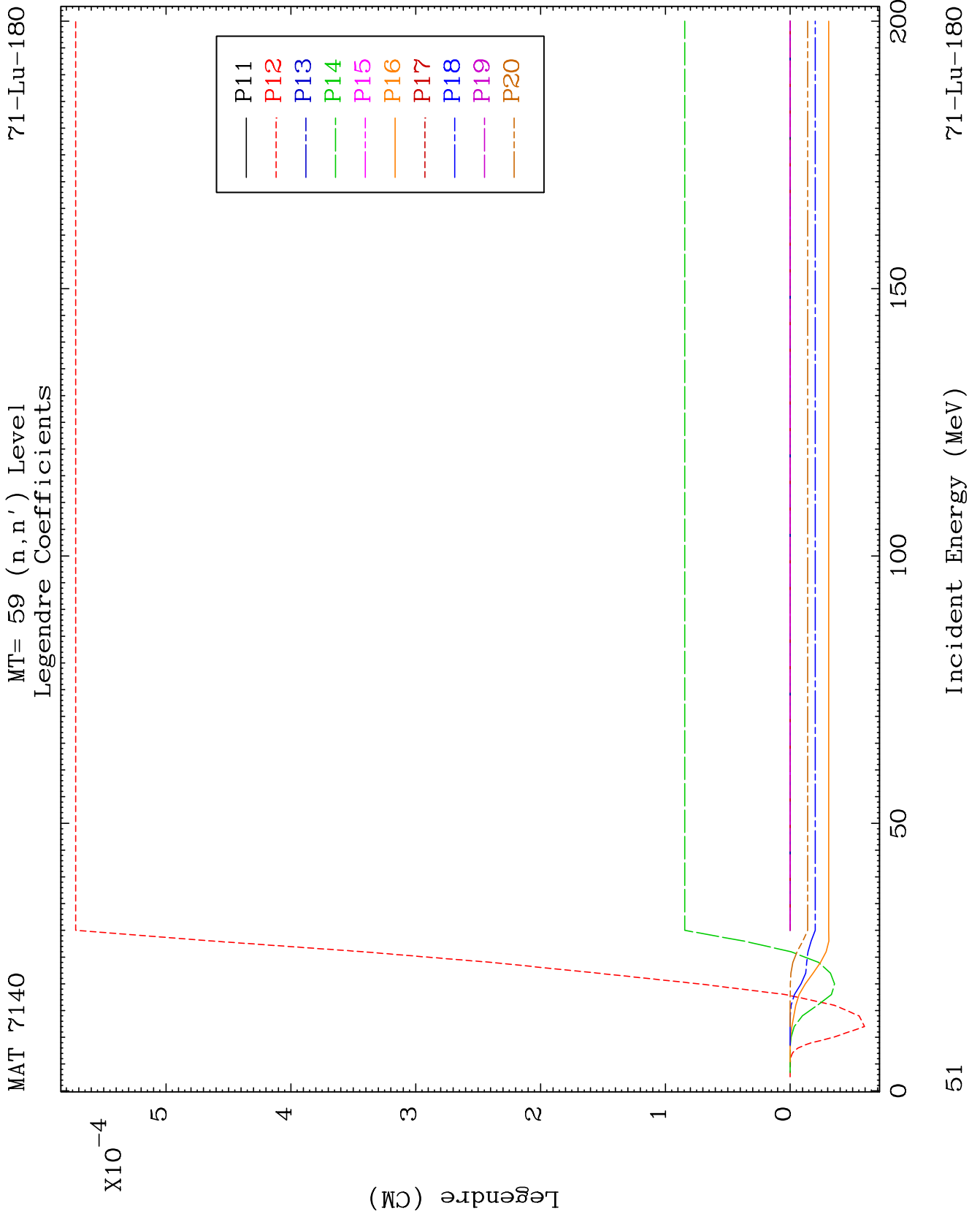


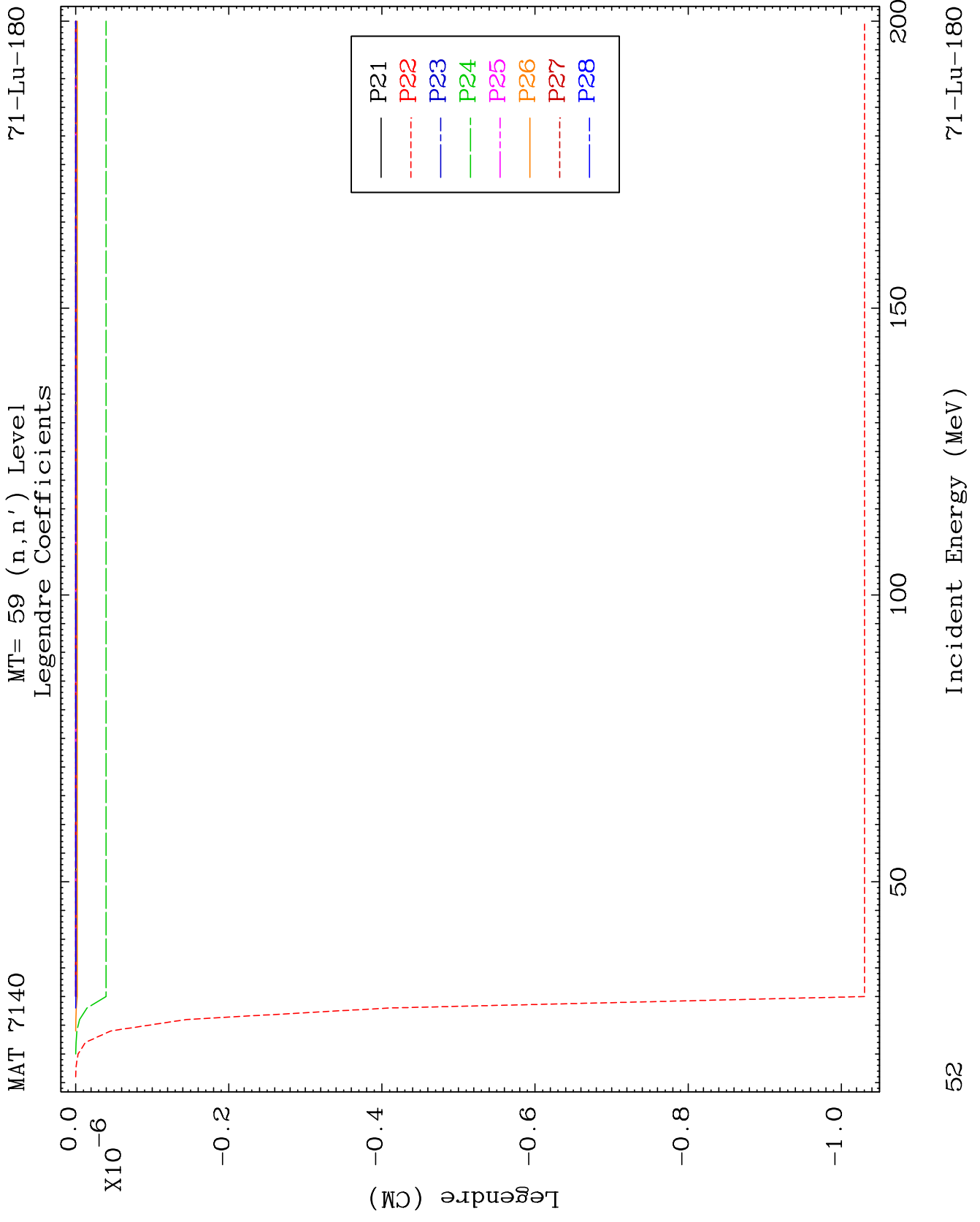
49

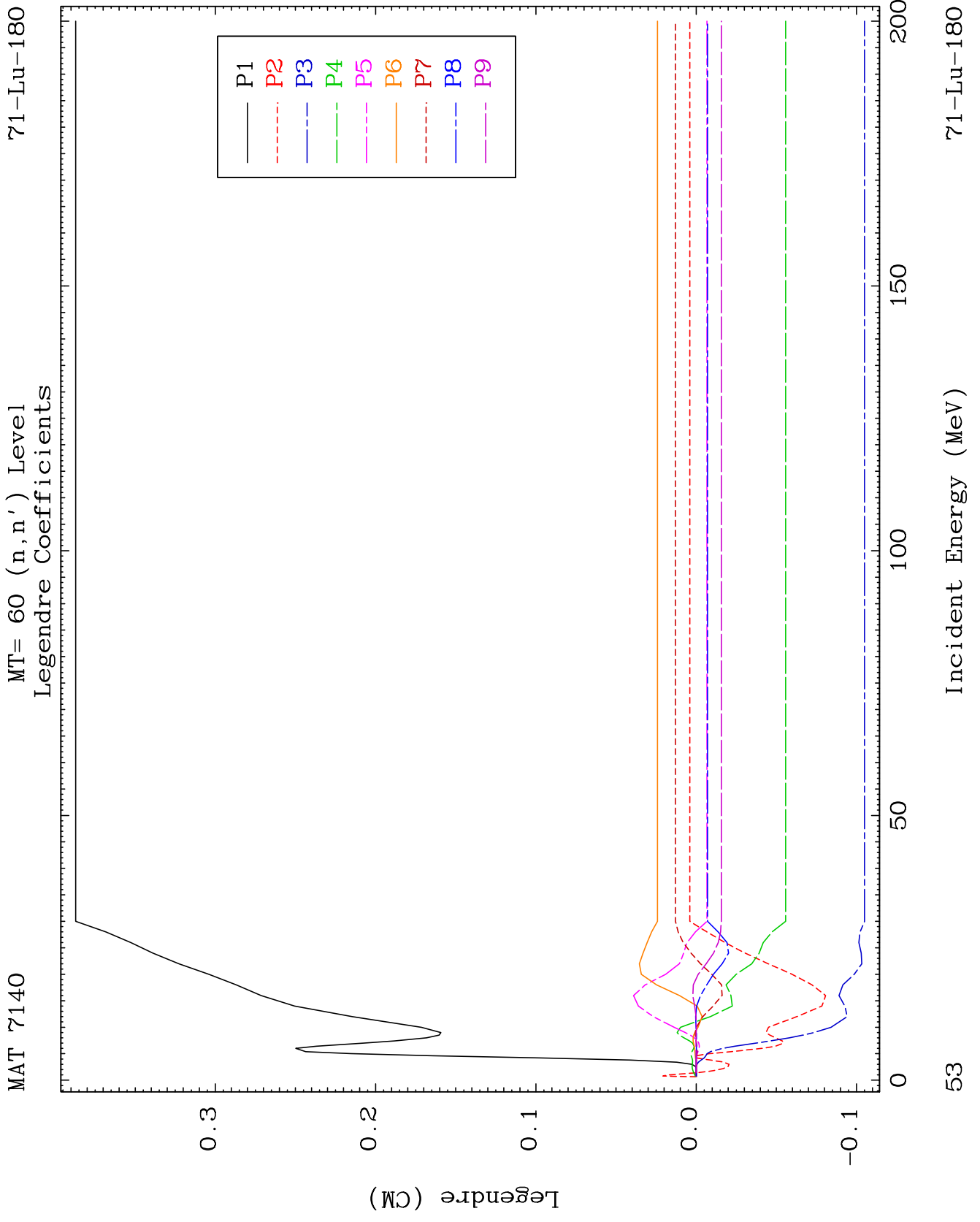
Incident Energy (MeV)

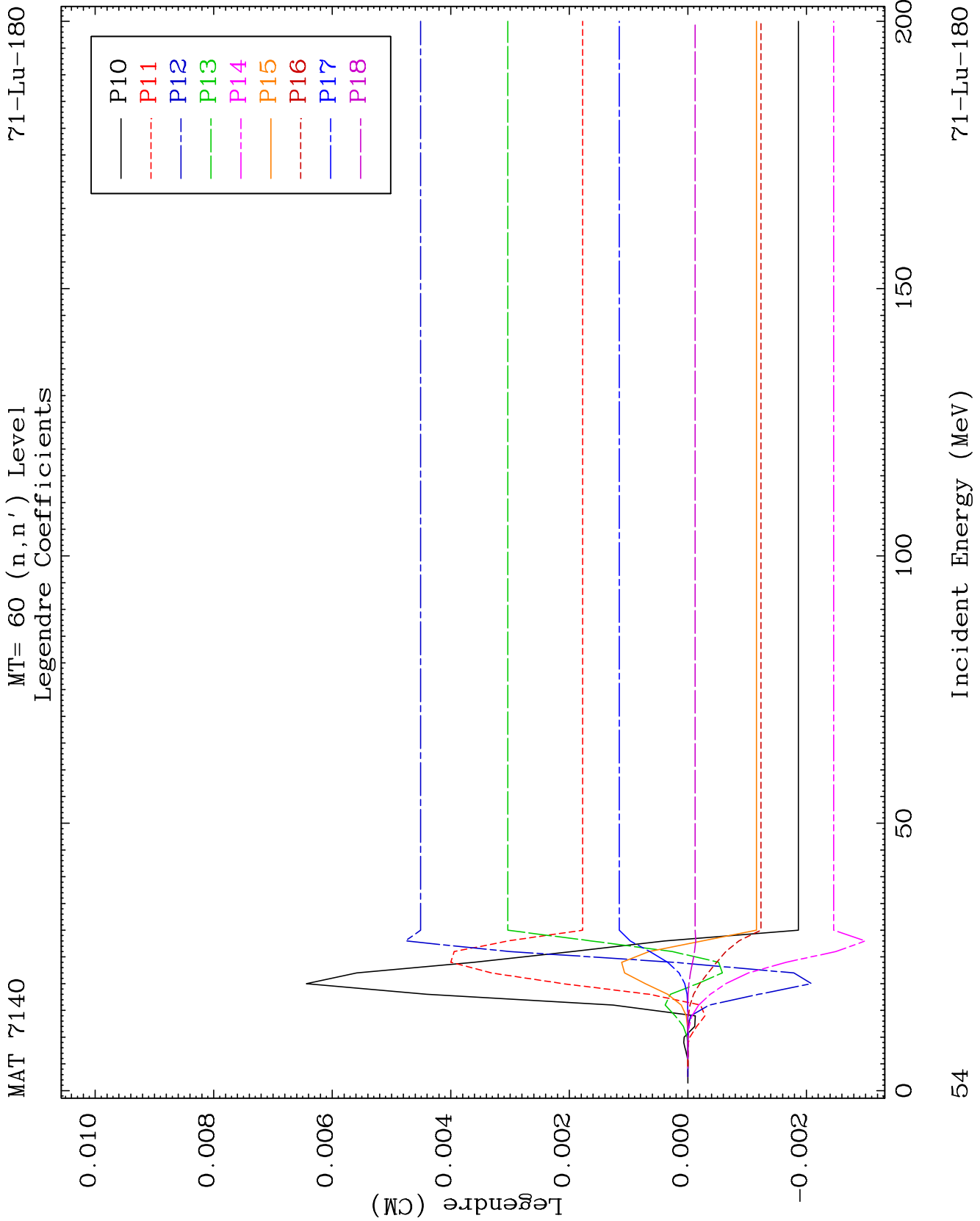
71-Lu-180

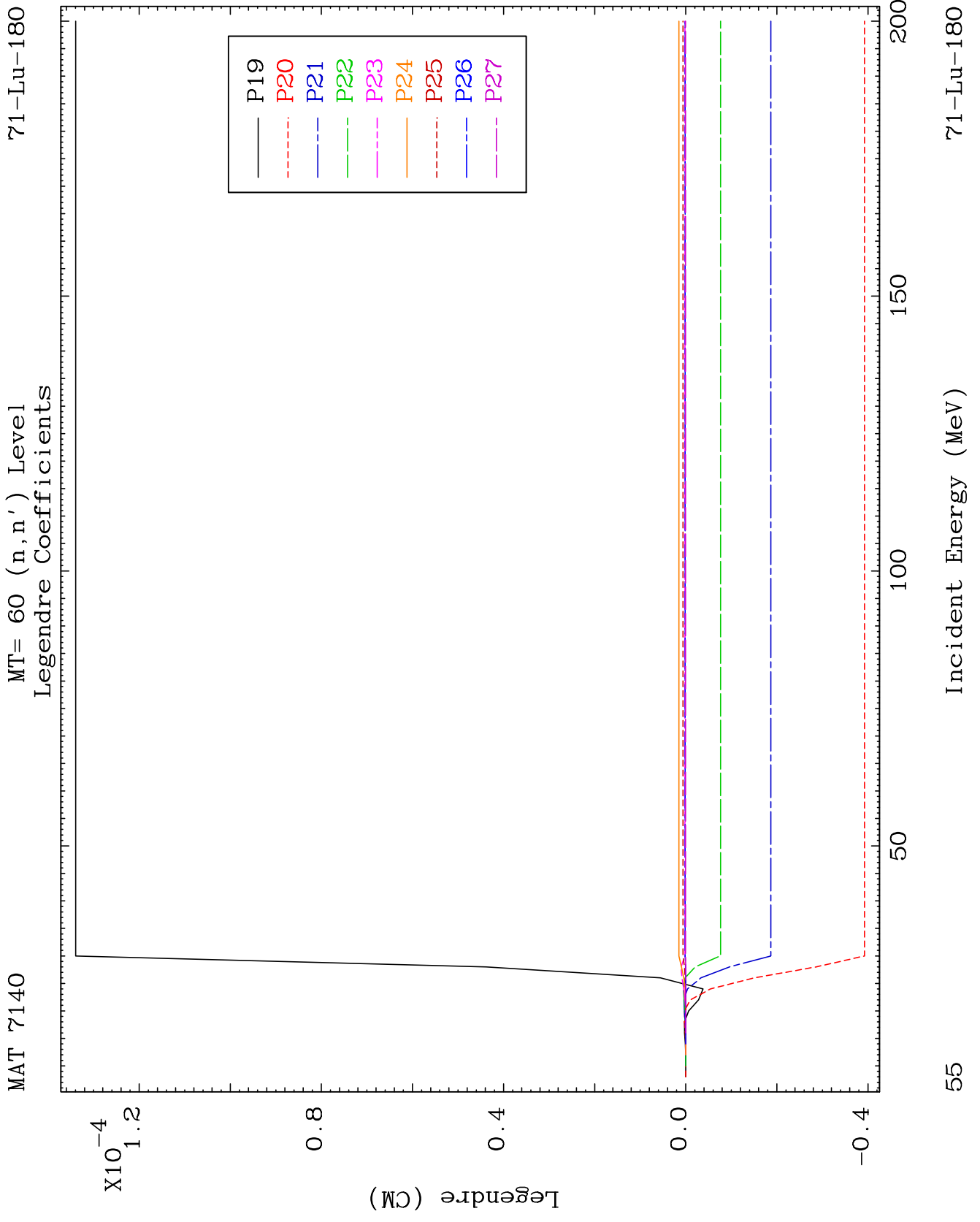








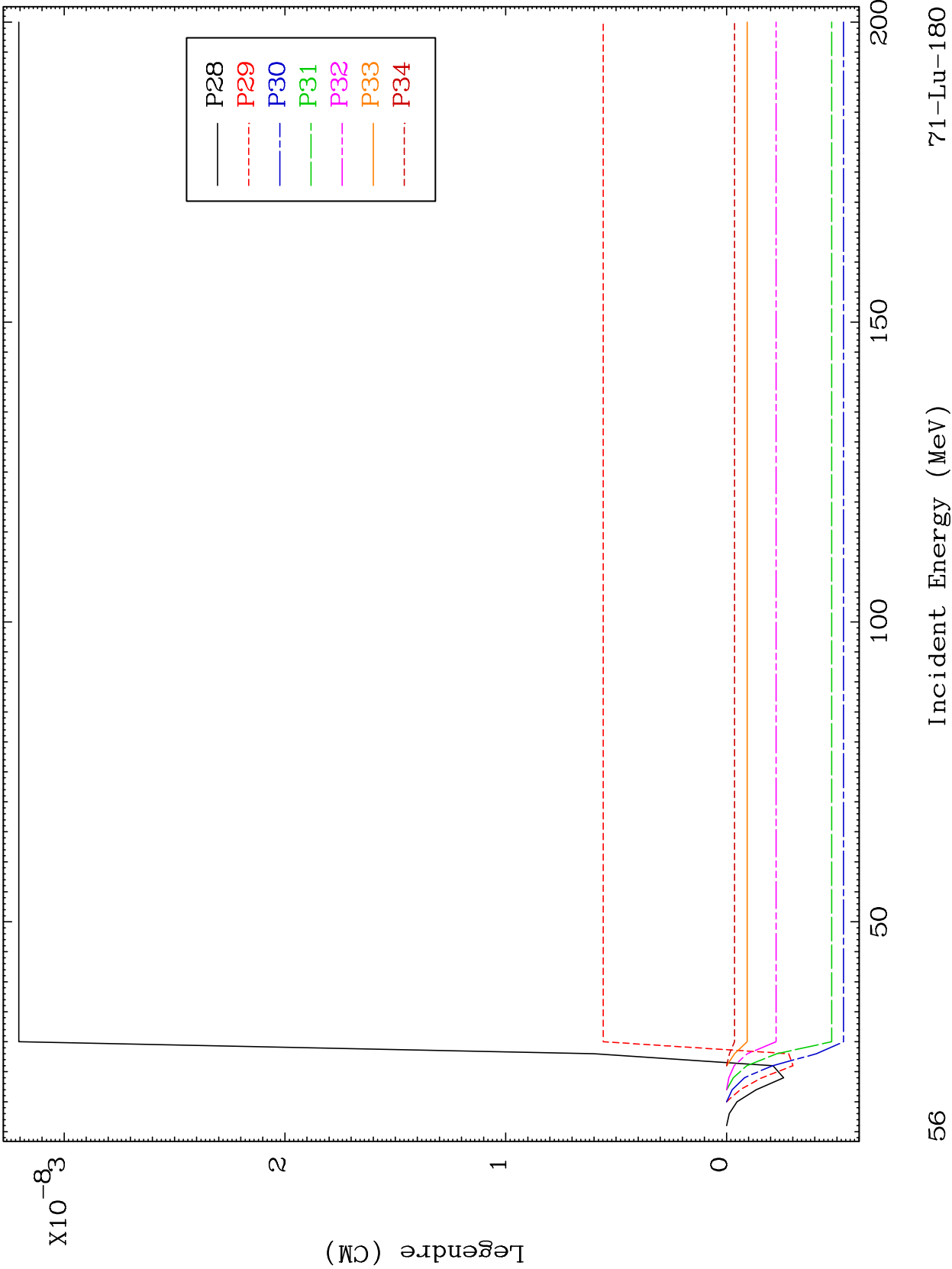


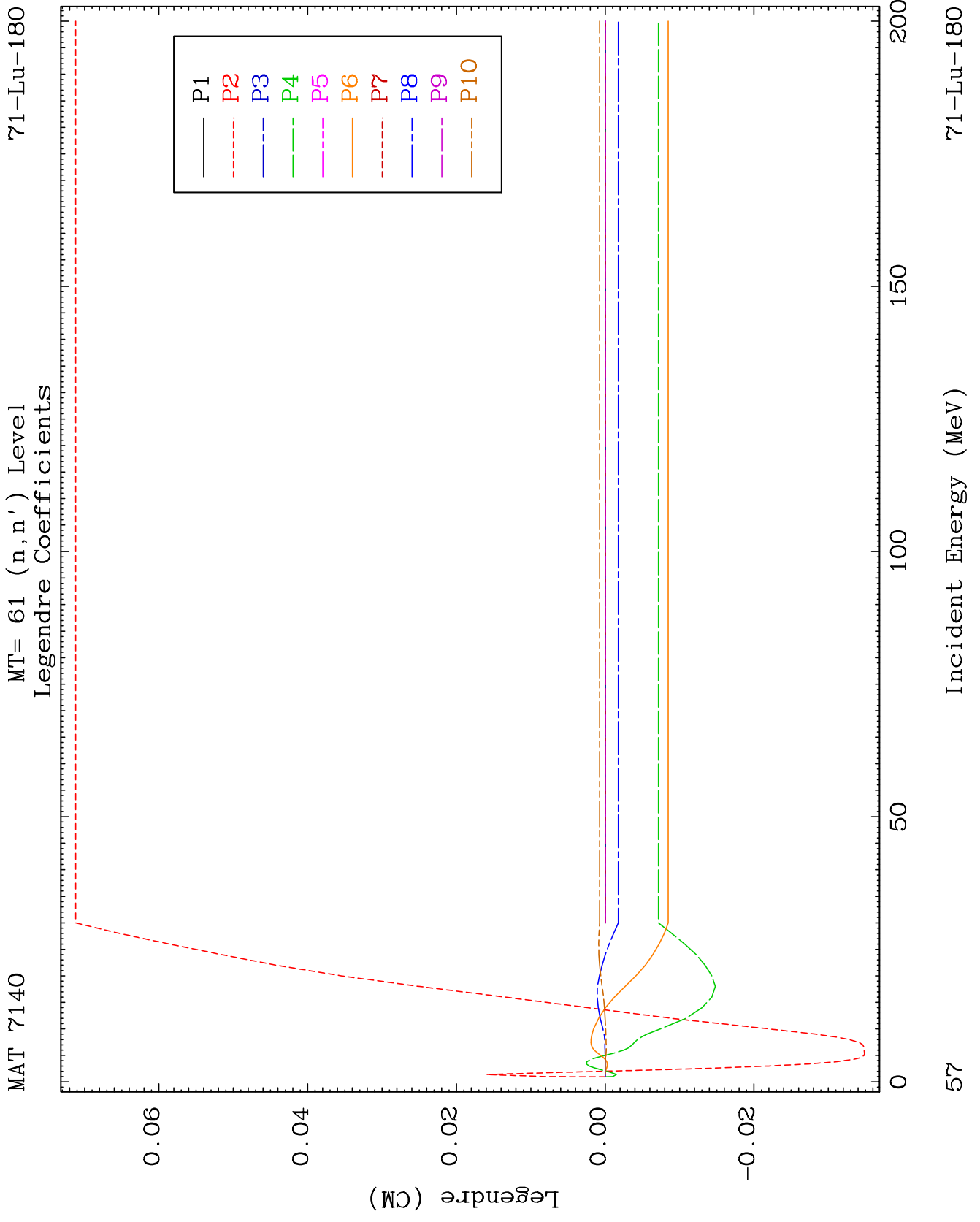


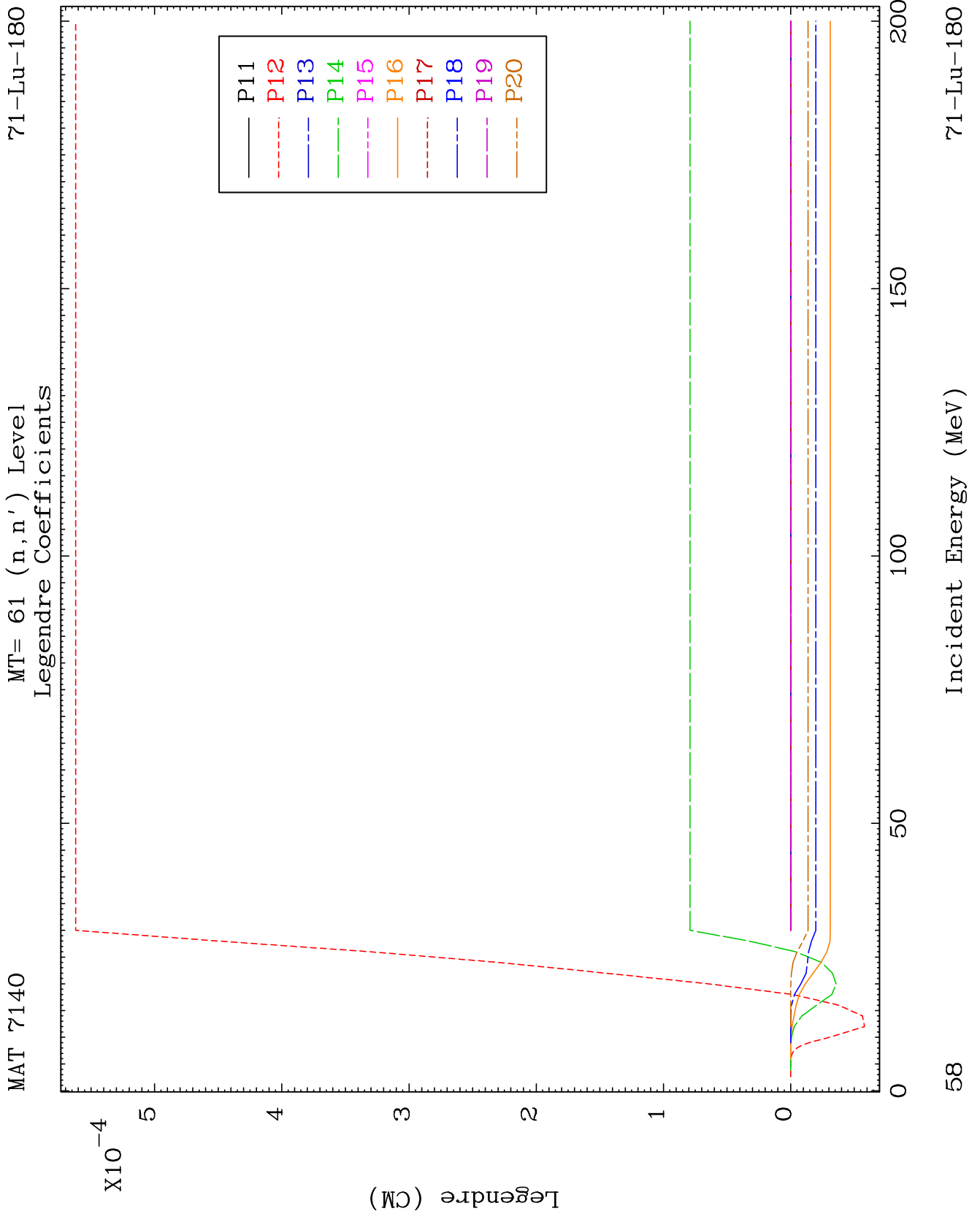
MAT 7140

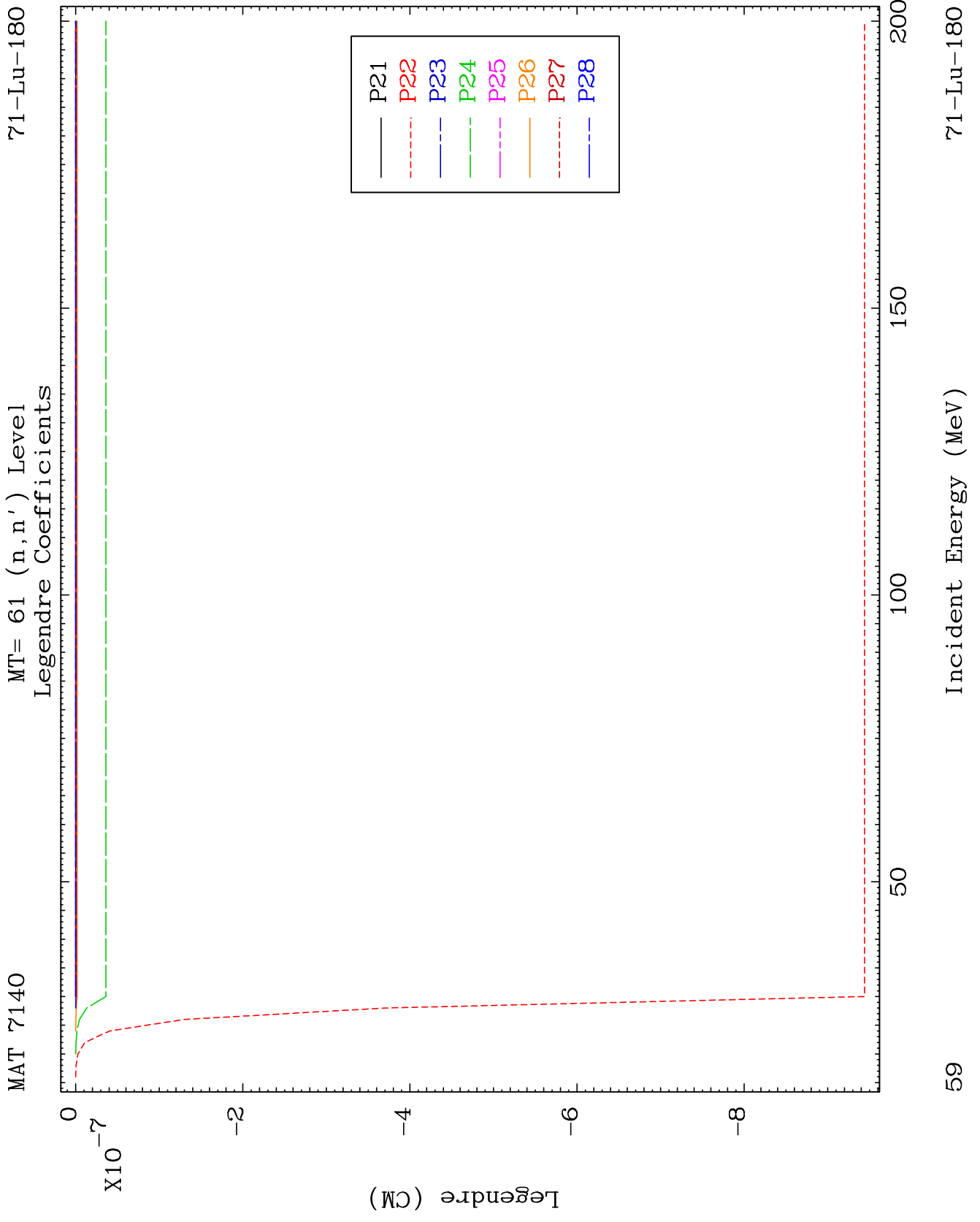
MT= 60 (n,n') Level
Legendre Coefficients

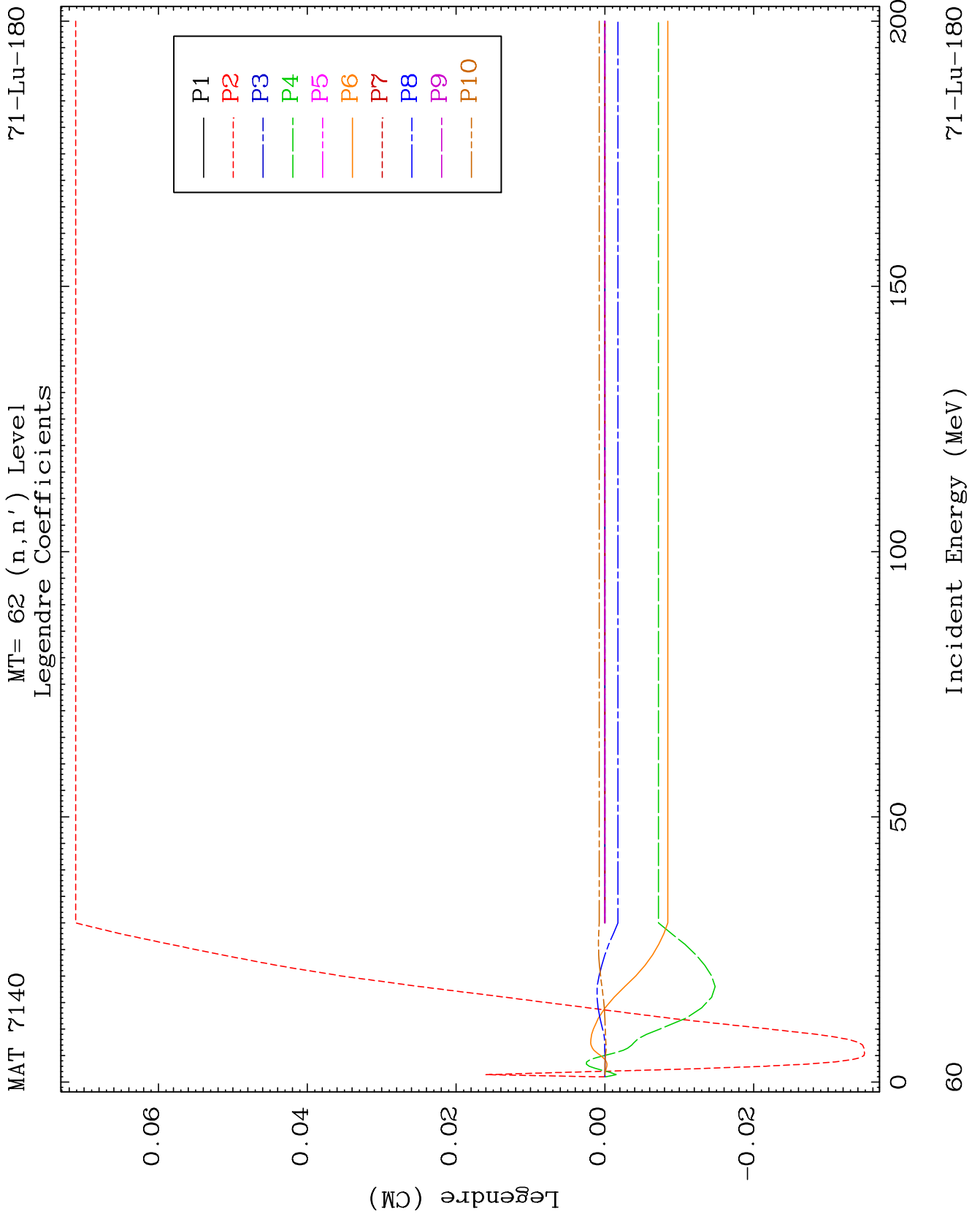
71-Lu-180

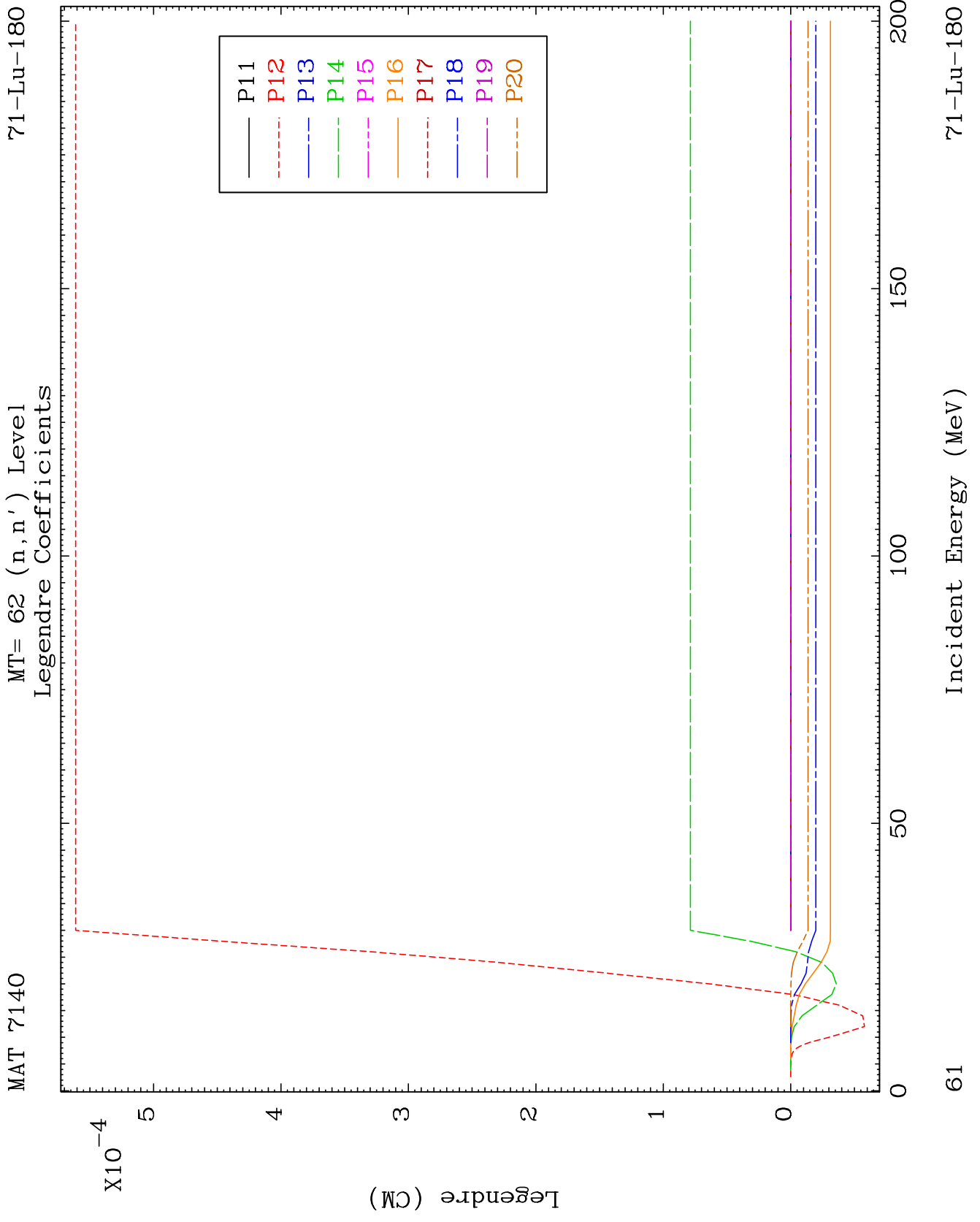


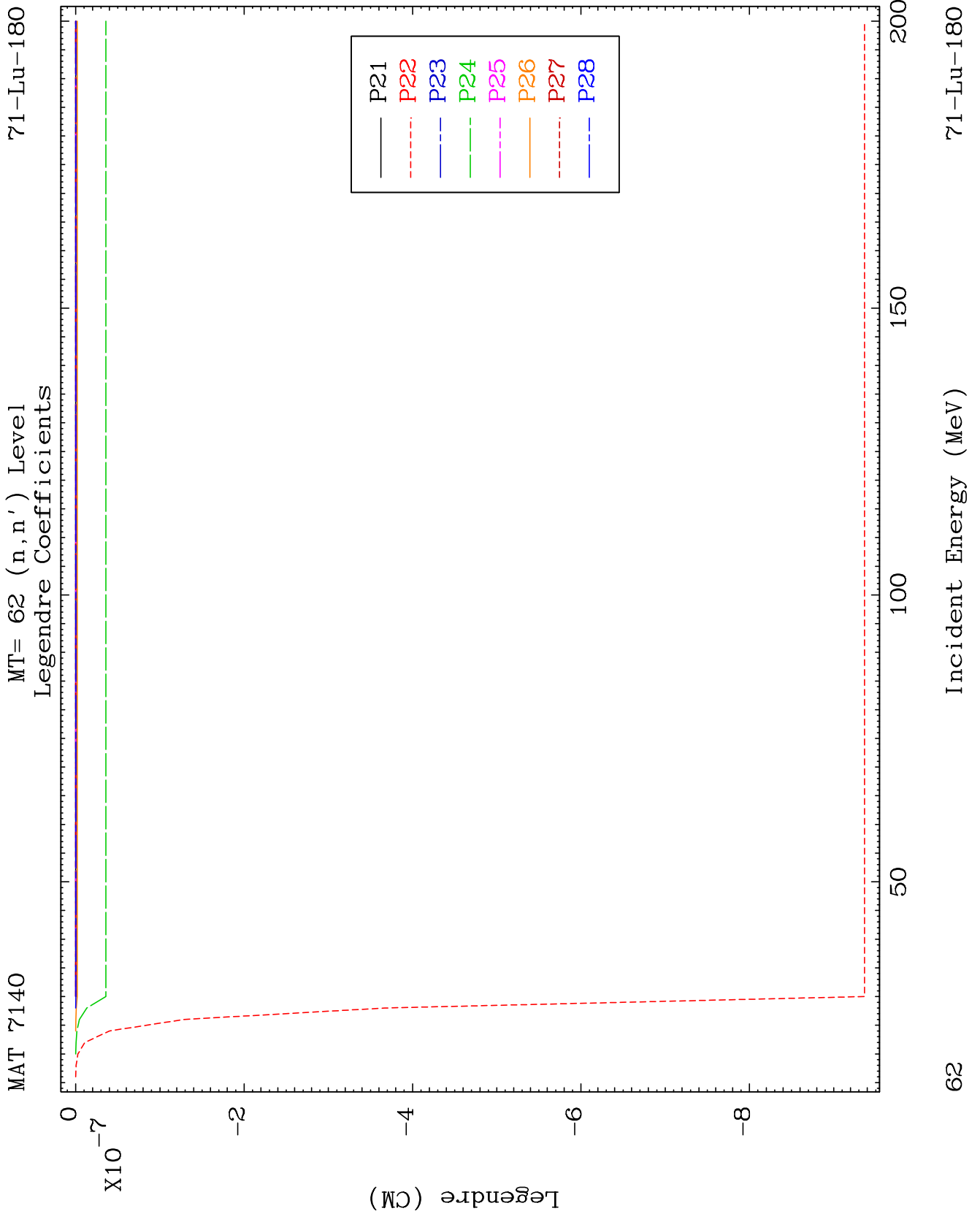








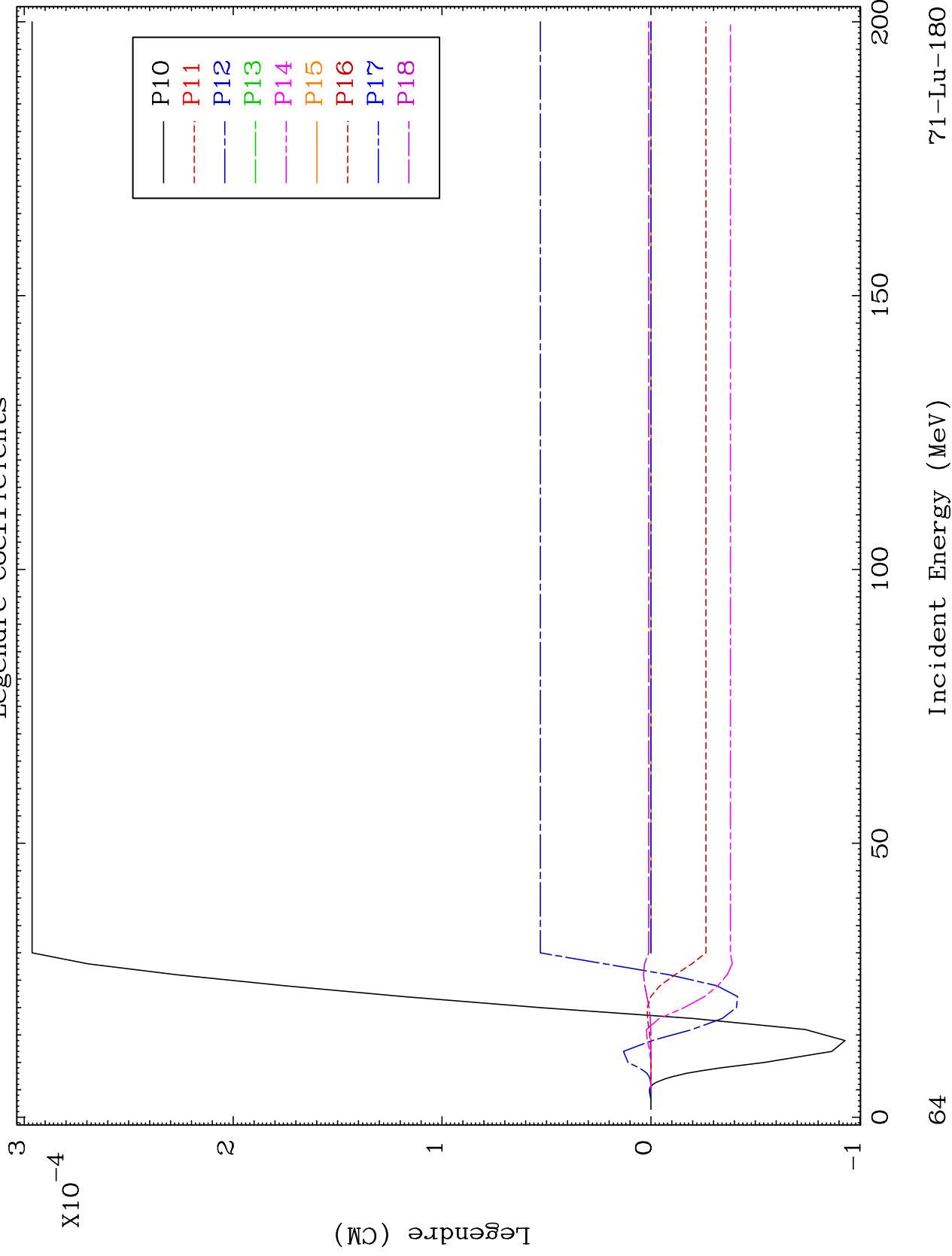


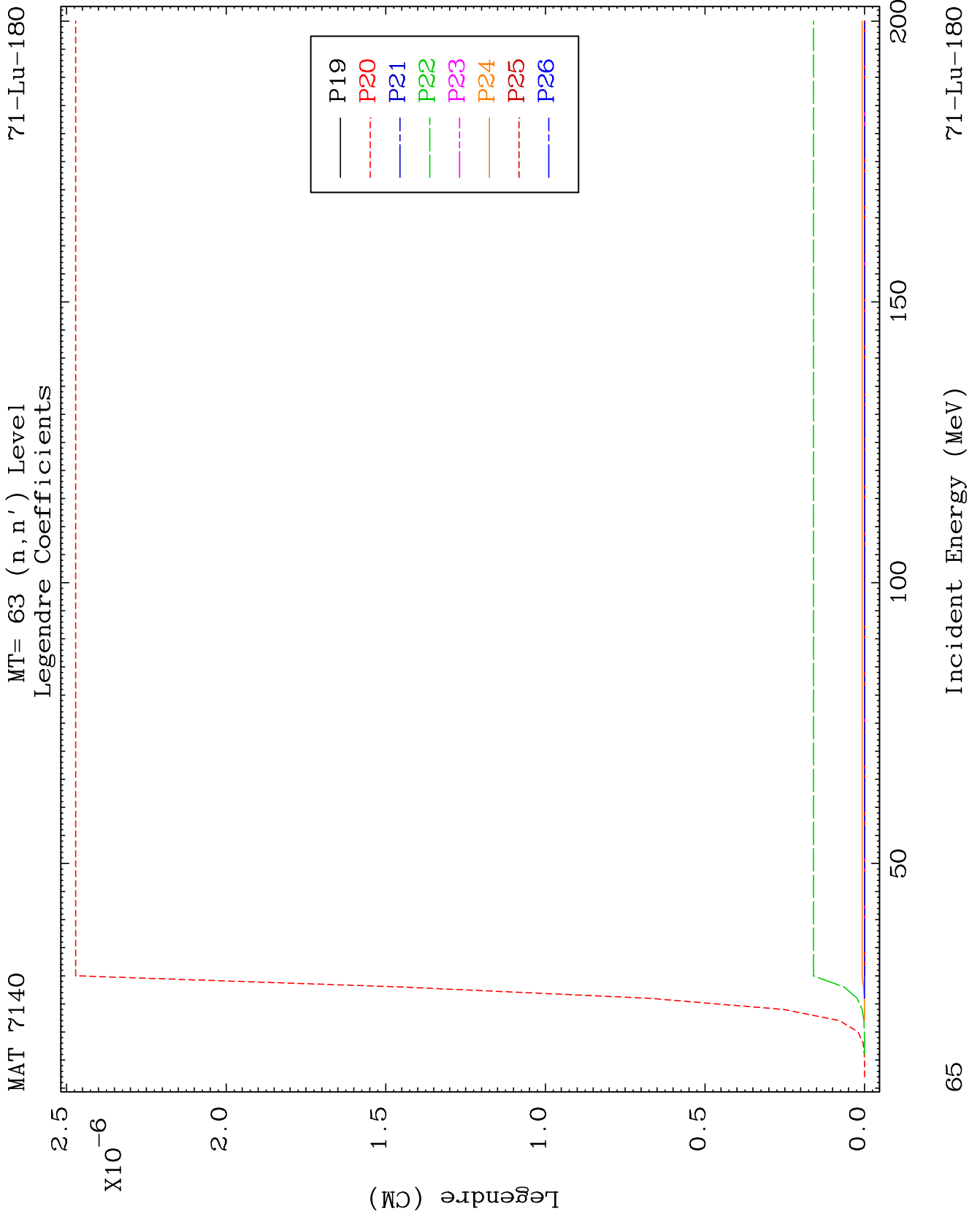


MAT 7140

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

71-Lu-180

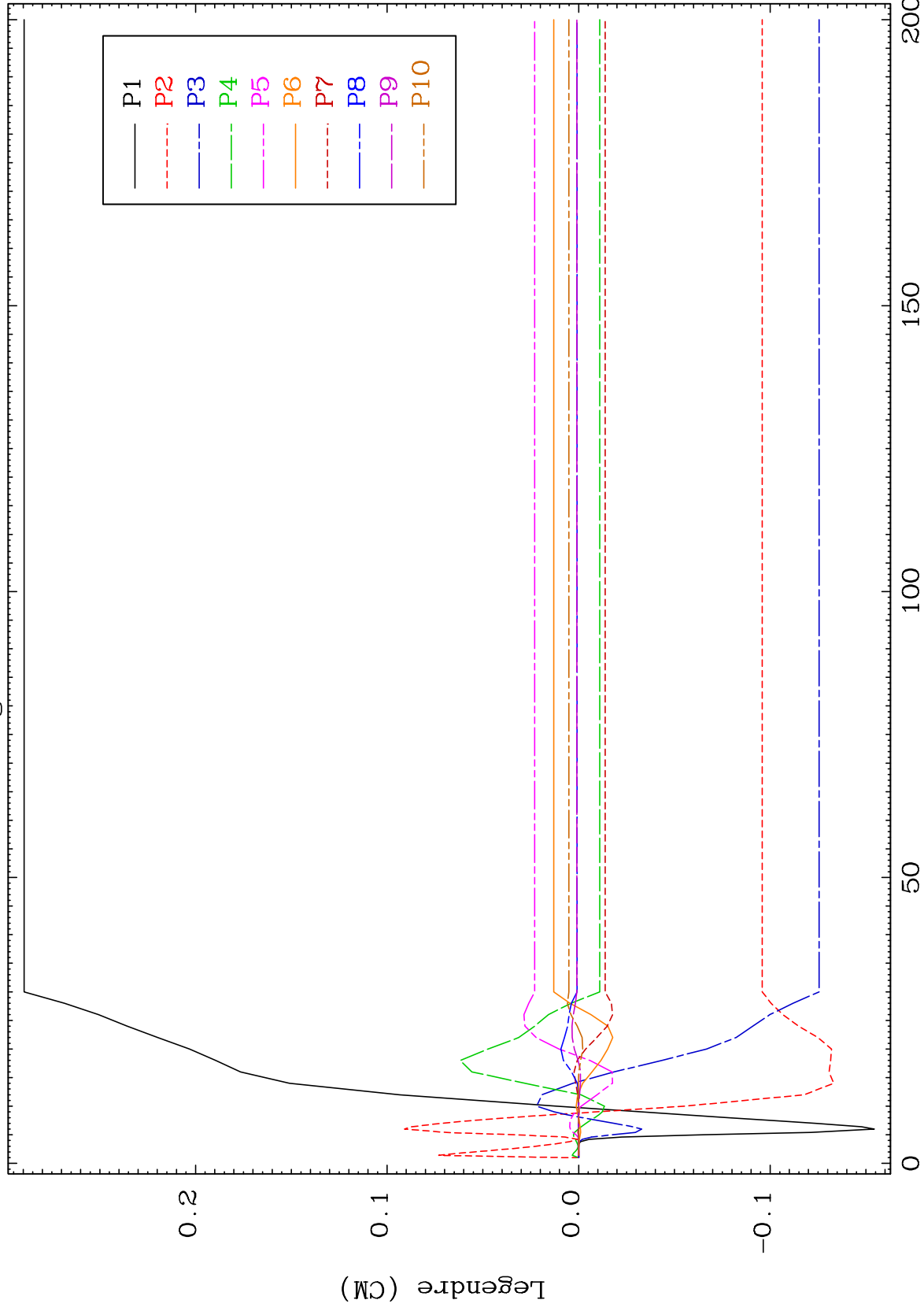




MAT 7140

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

71-Lu-180



66

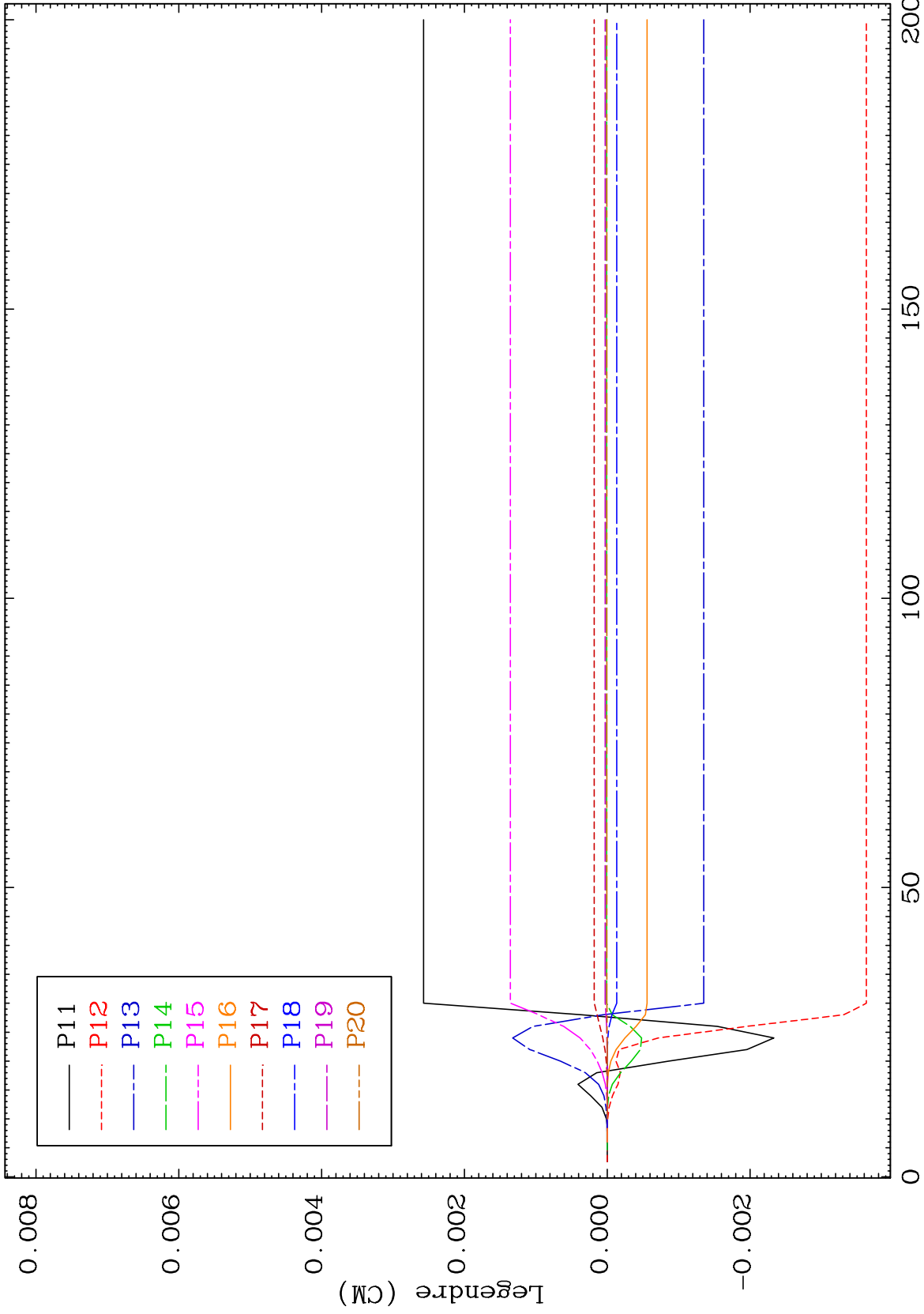
Incident Energy (MeV)

71-Lu-180

MAT 7140

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

71-Lu-180



67

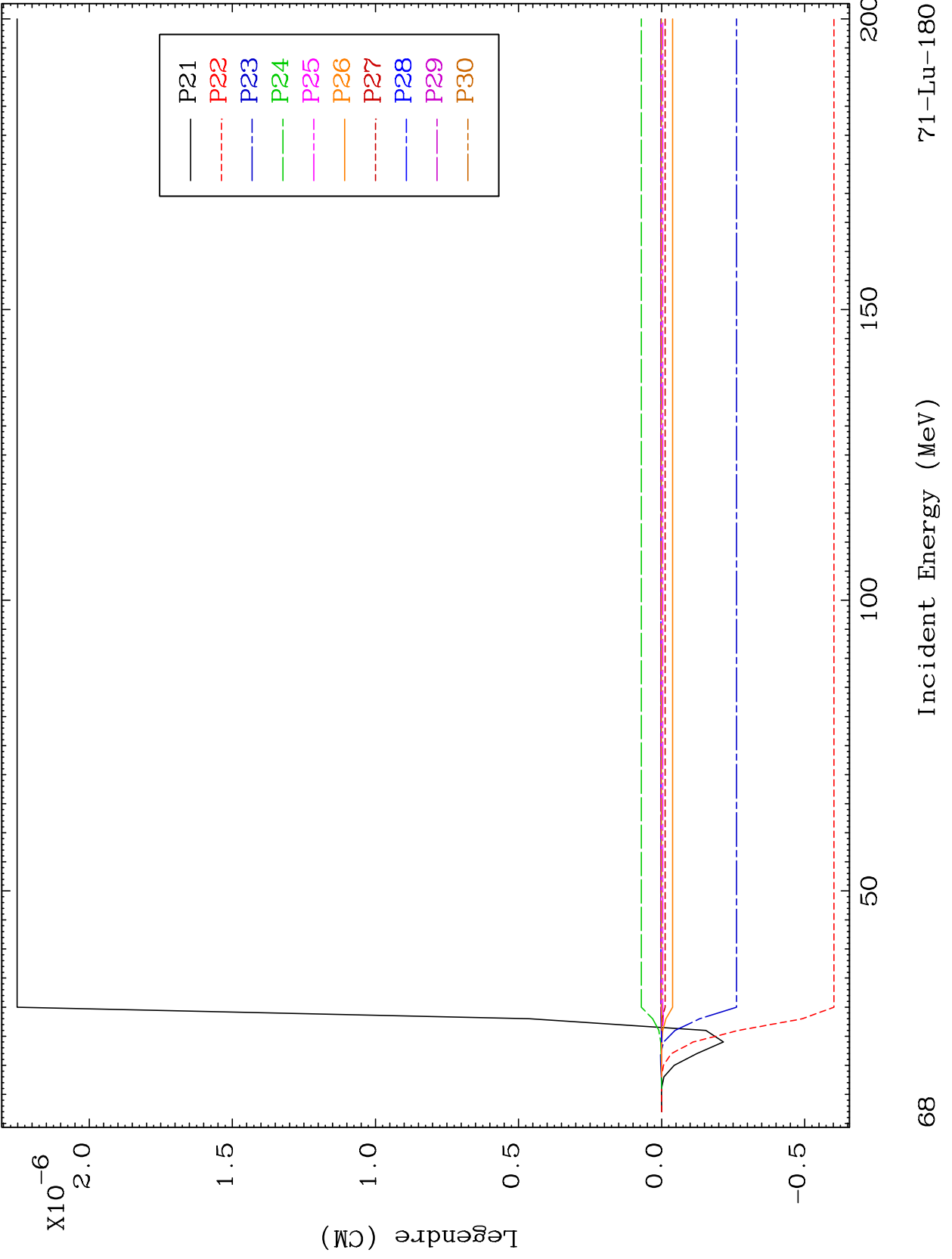
Incident Energy (MeV)

71-Lu-180

MAT 7140

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

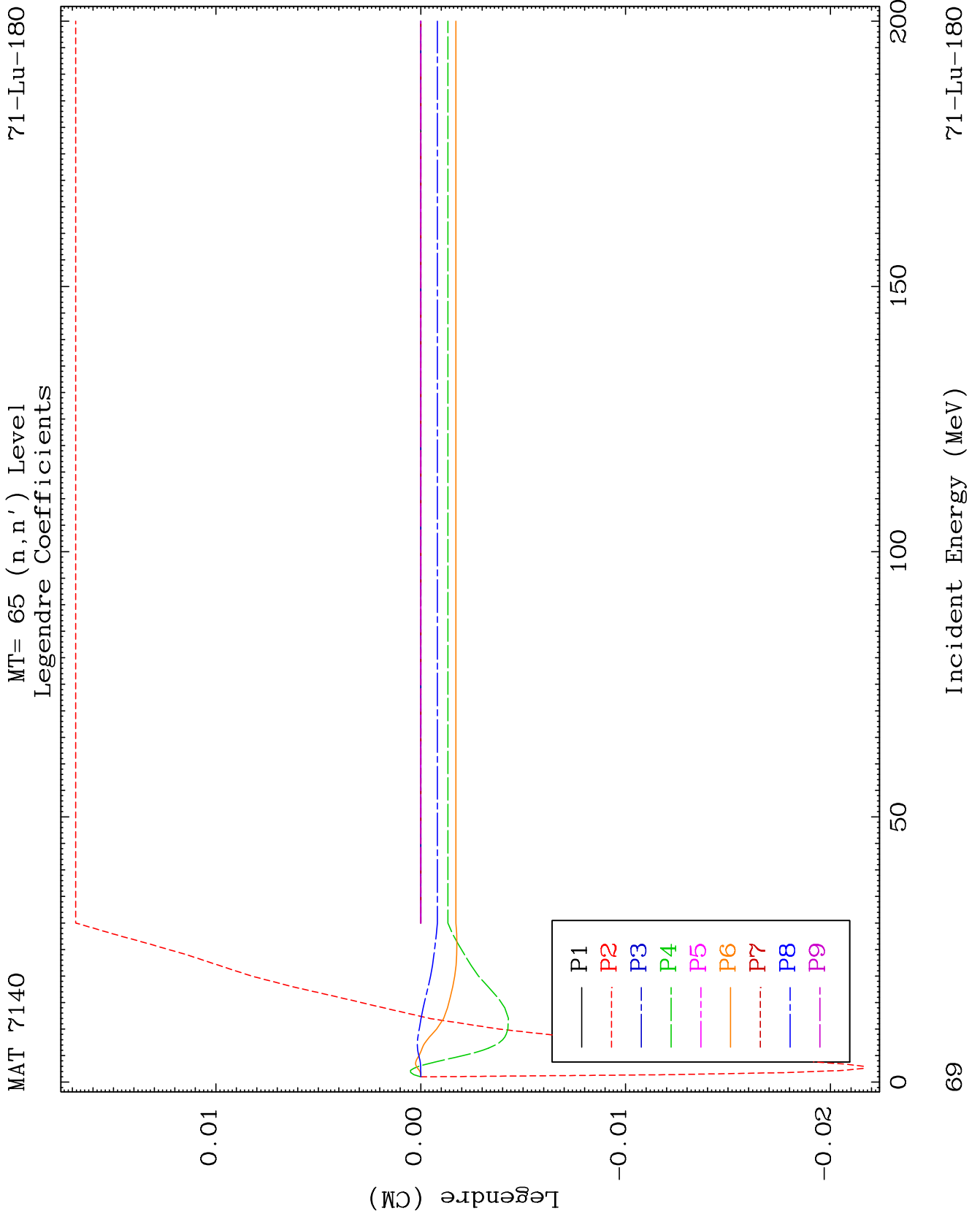
71-Lu-180



68

Incident Energy (MeV)

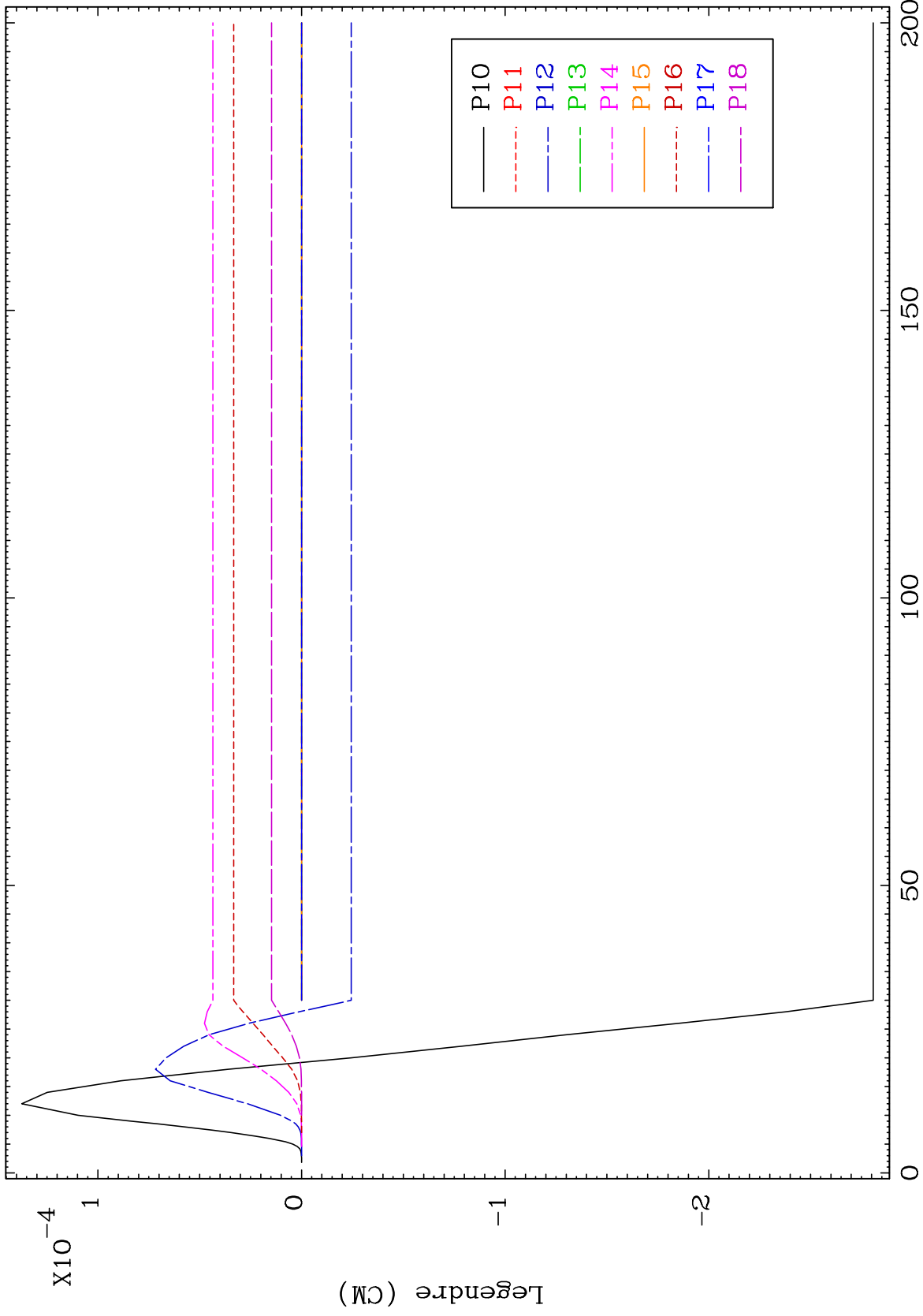
71-Lu-180



MAT 7140

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

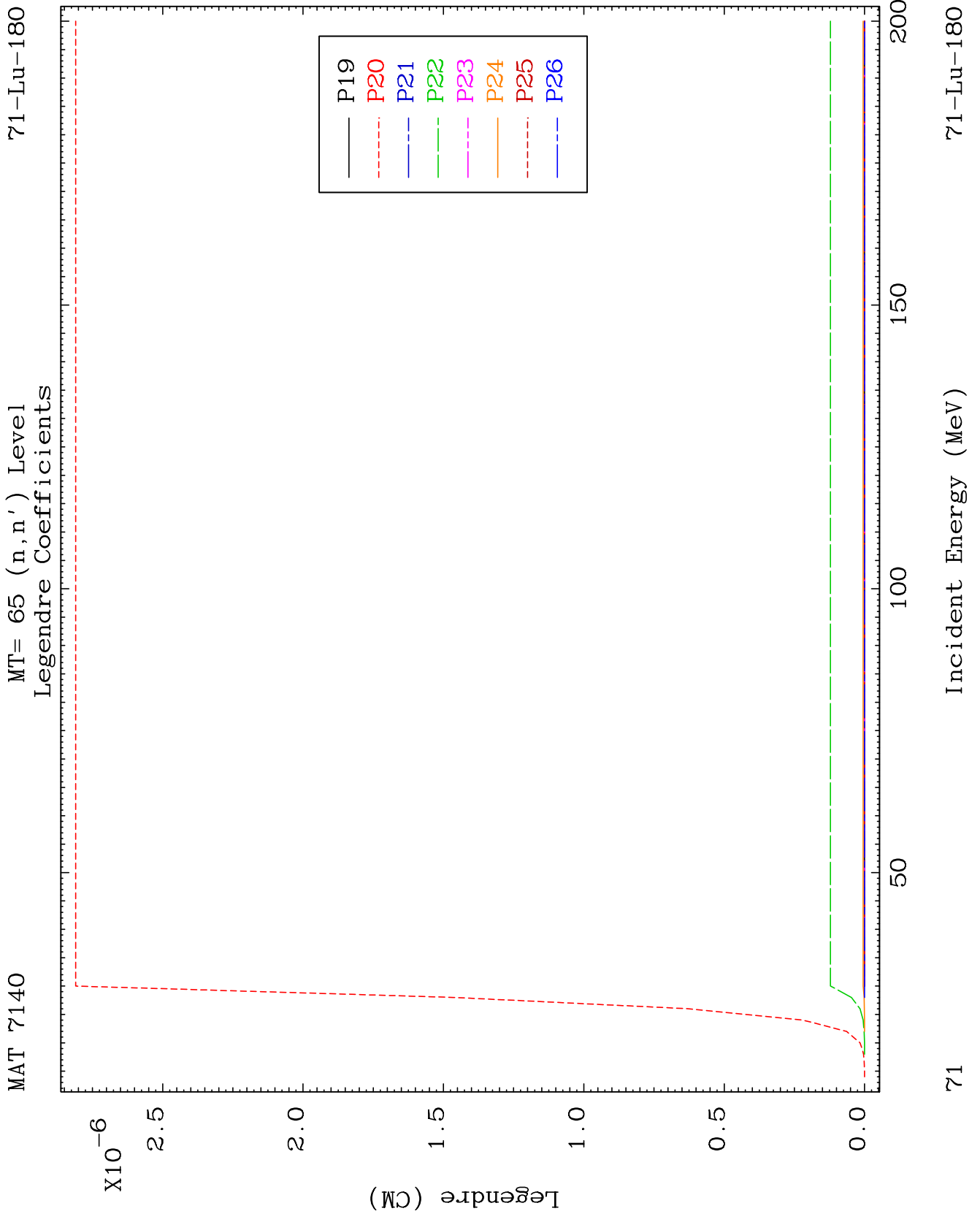
71-Lu-180

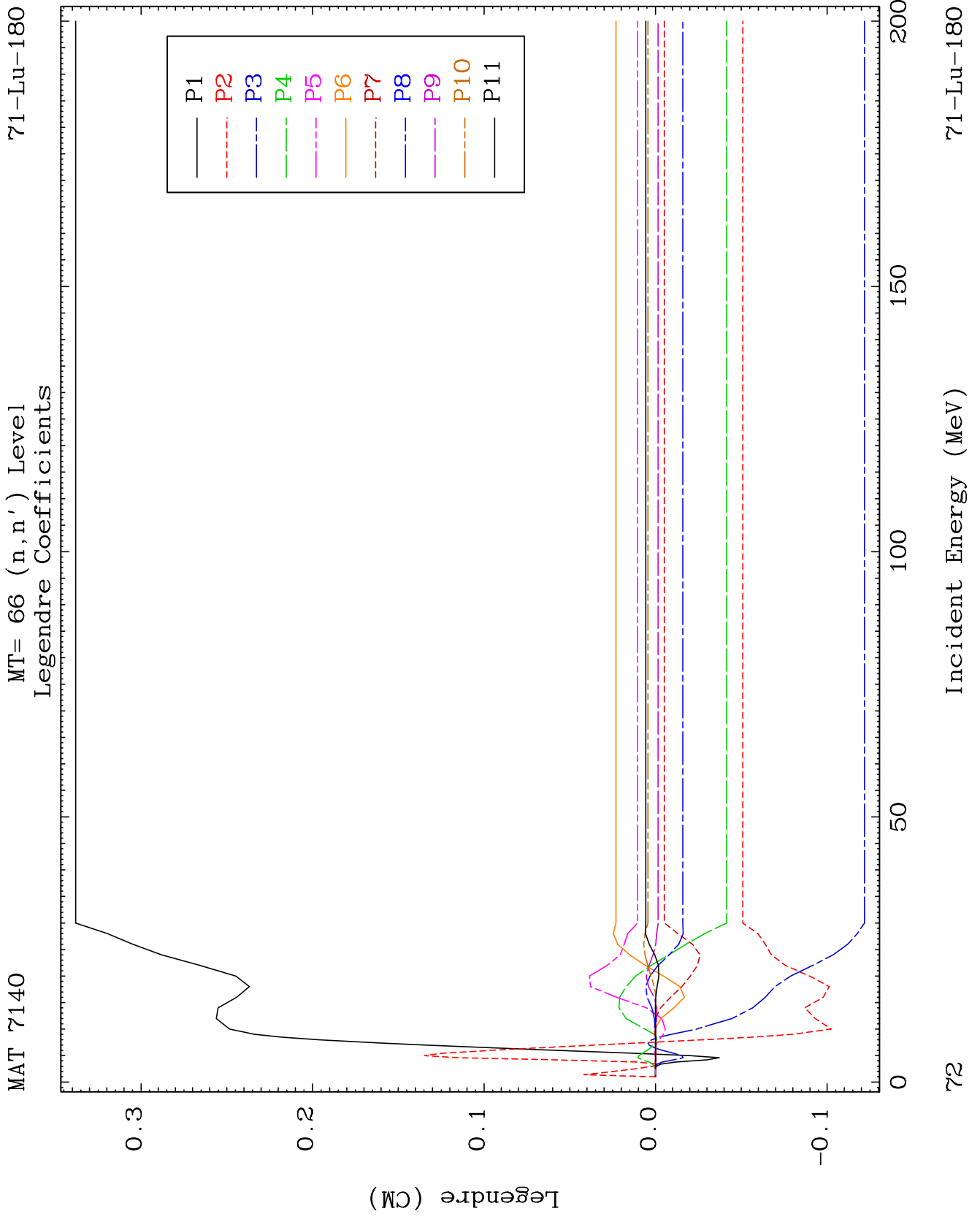


70

Incident Energy (MeV)

71-Lu-180

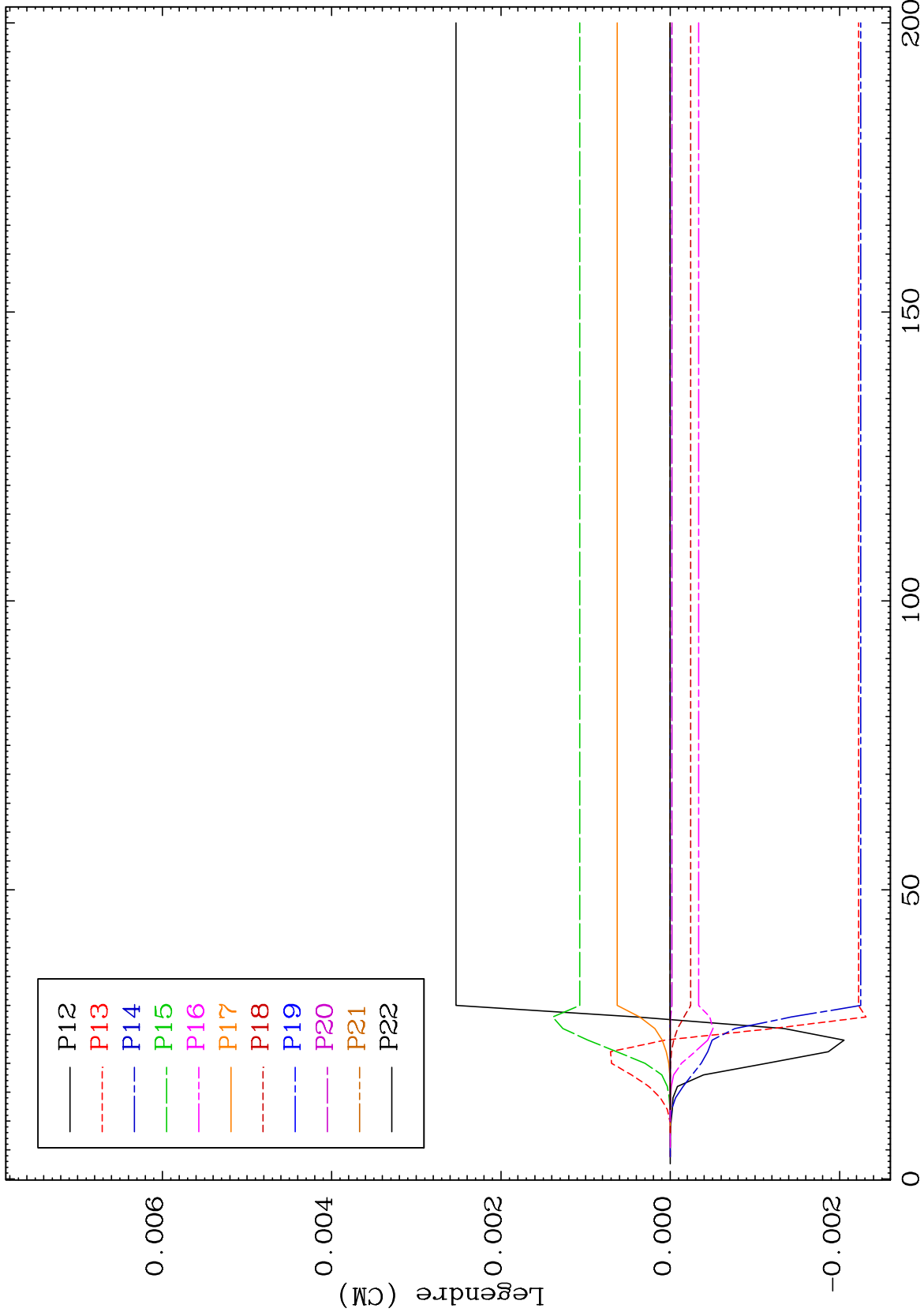




MAT 7140

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

71-Lu-180



73

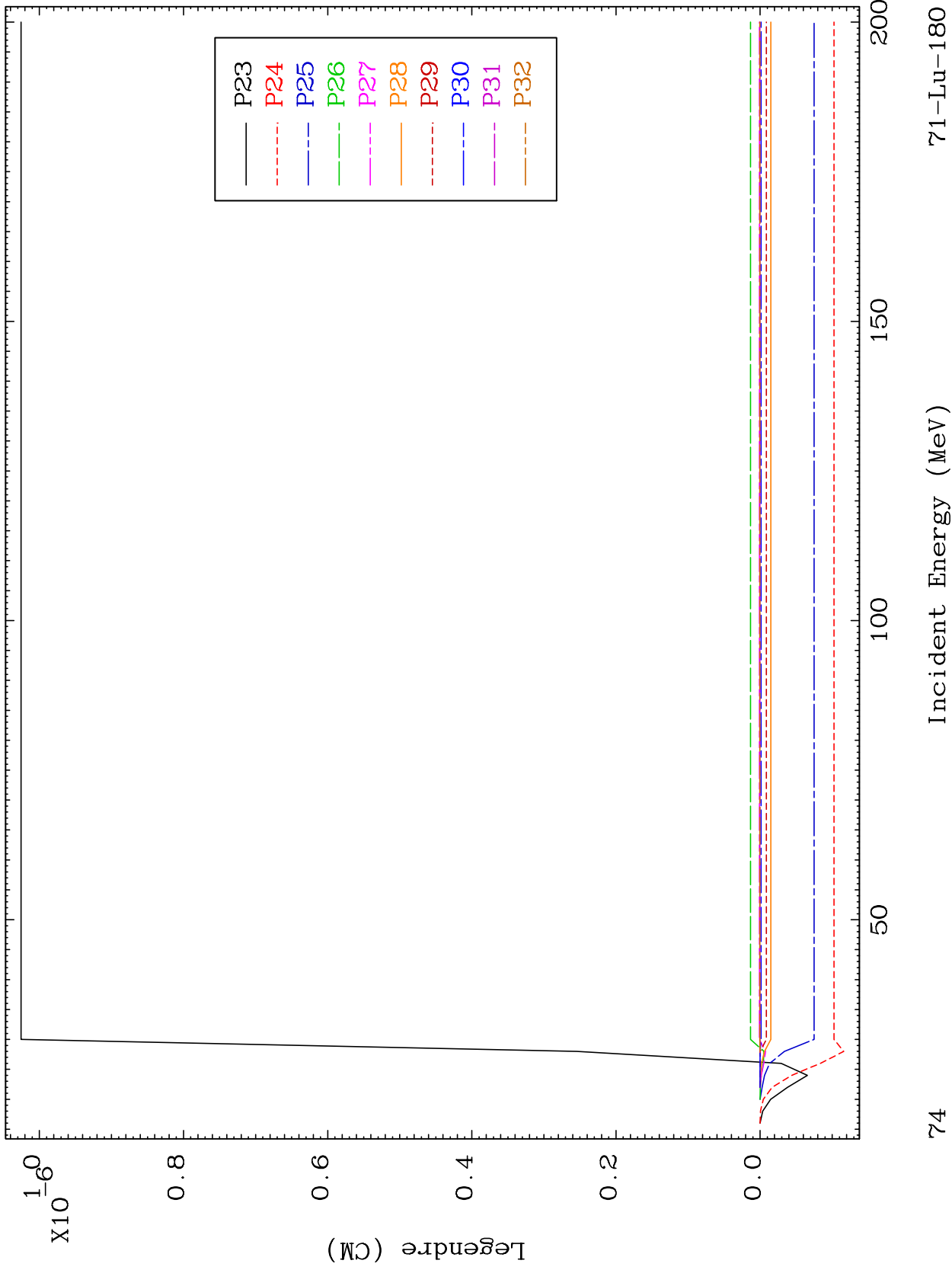
Incident Energy (MeV)

71-Lu-180

MAT 7140

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

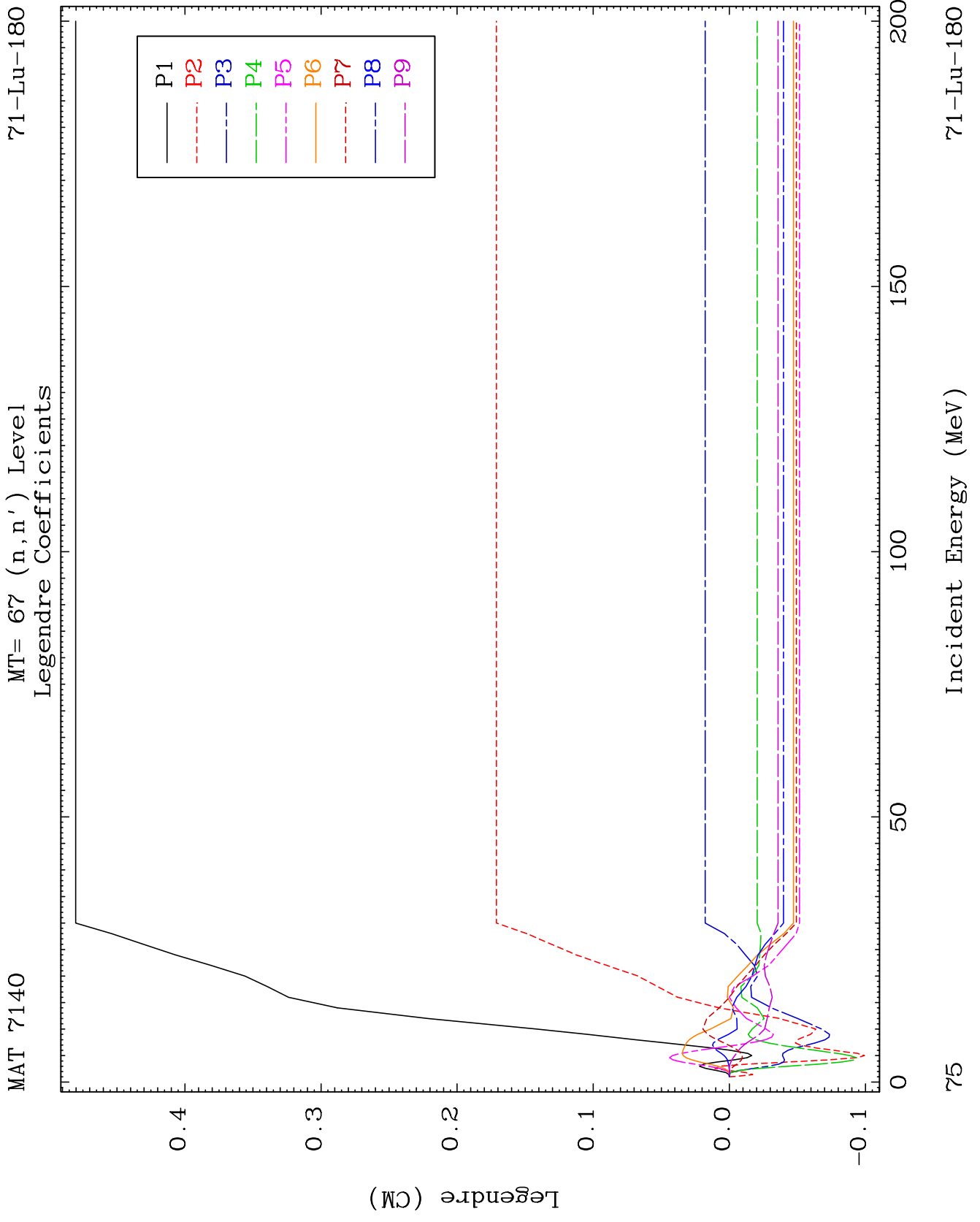
71-Lu-180

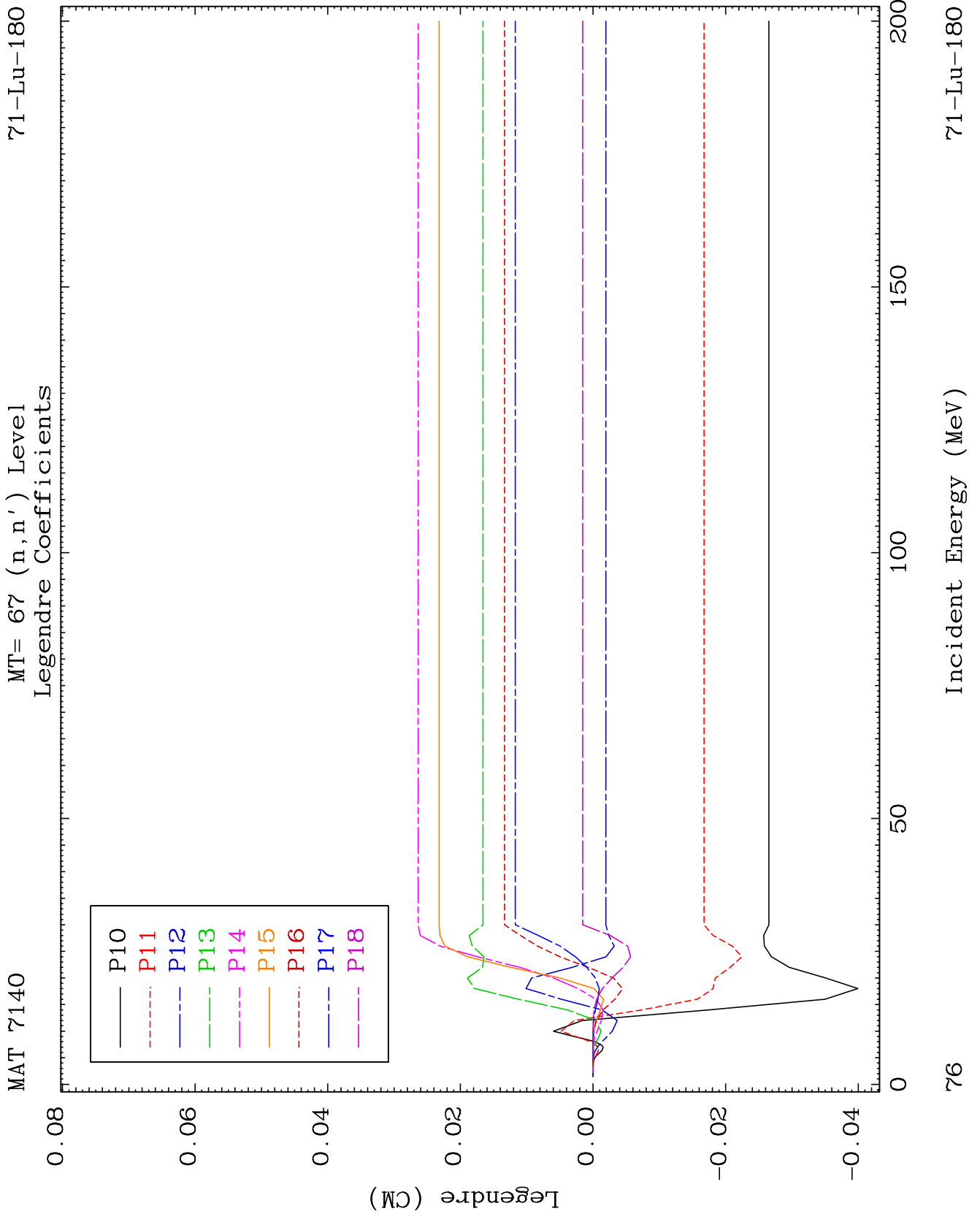


74

Incident Energy (MeV)

71-Lu-180

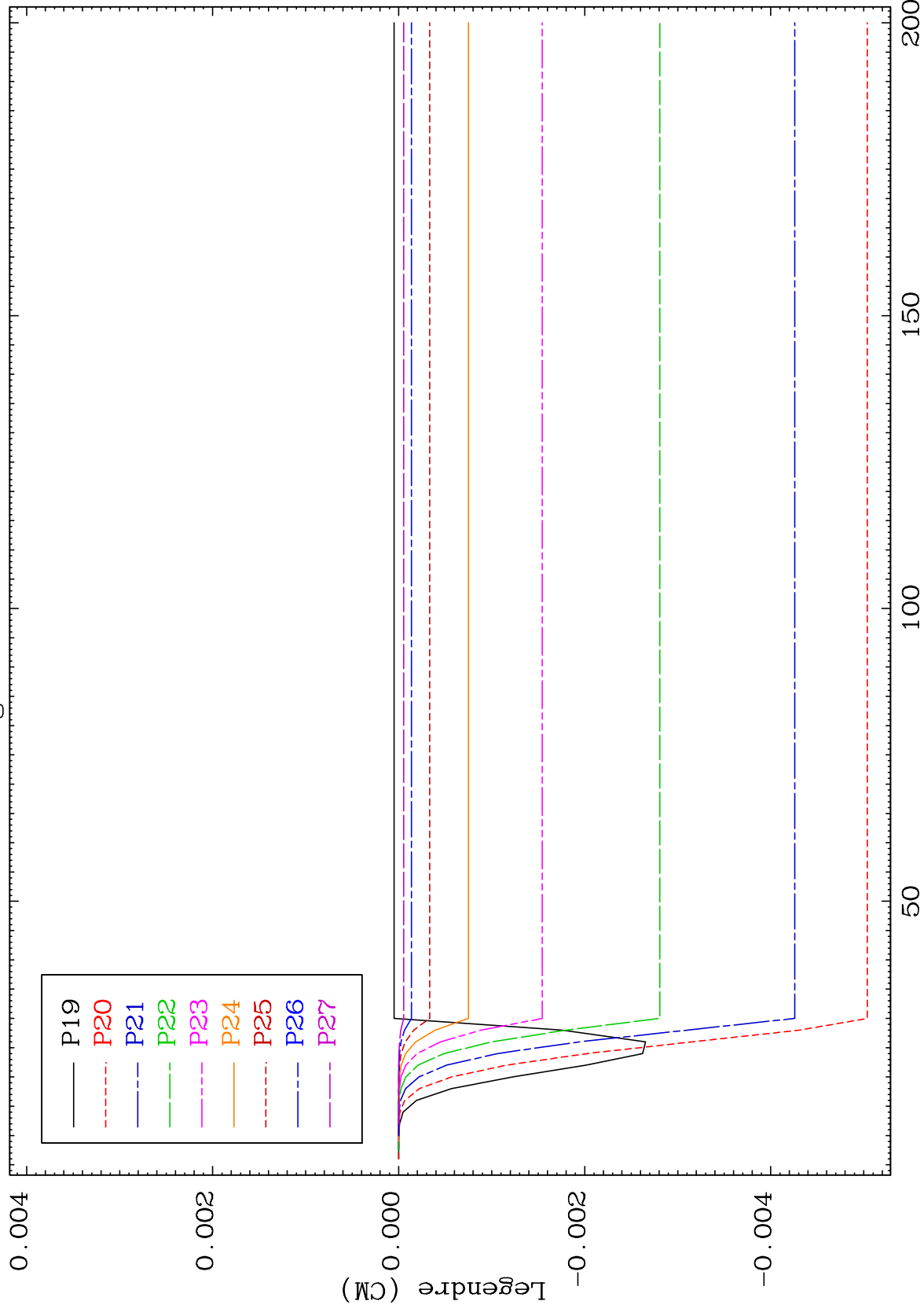




MAT 7140

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

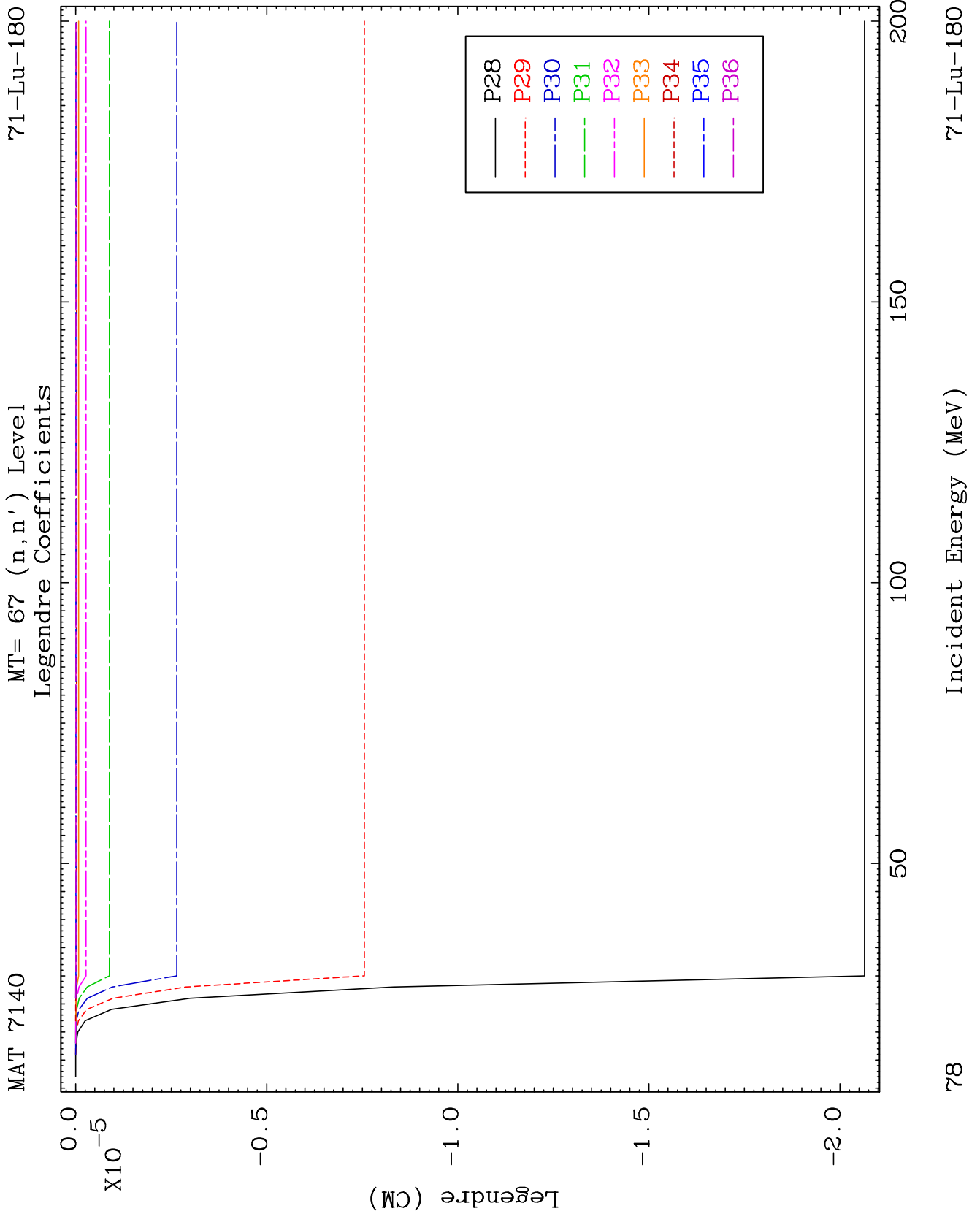
71-Lu-180

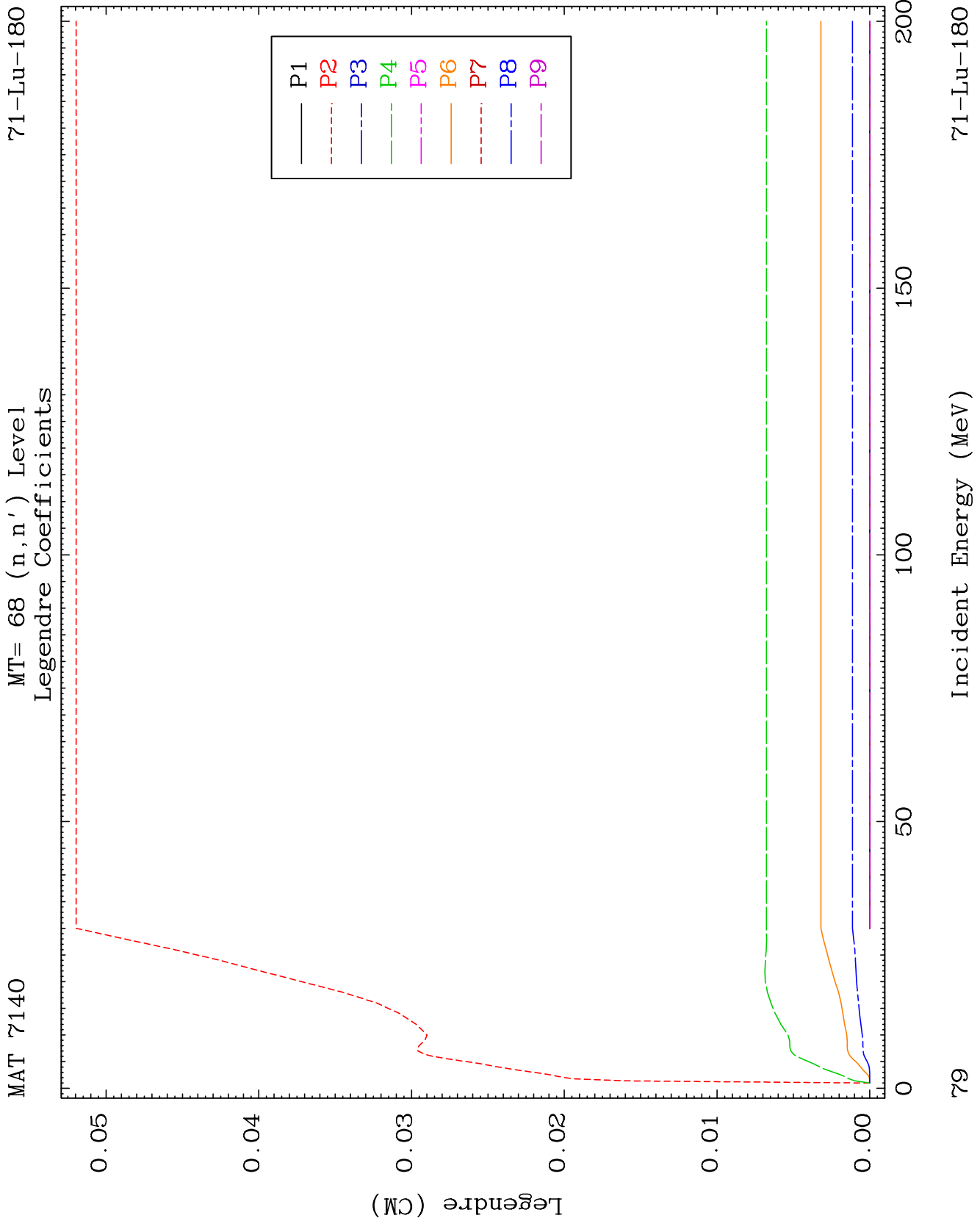


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Incident Energy (MeV)

71-Lu-180

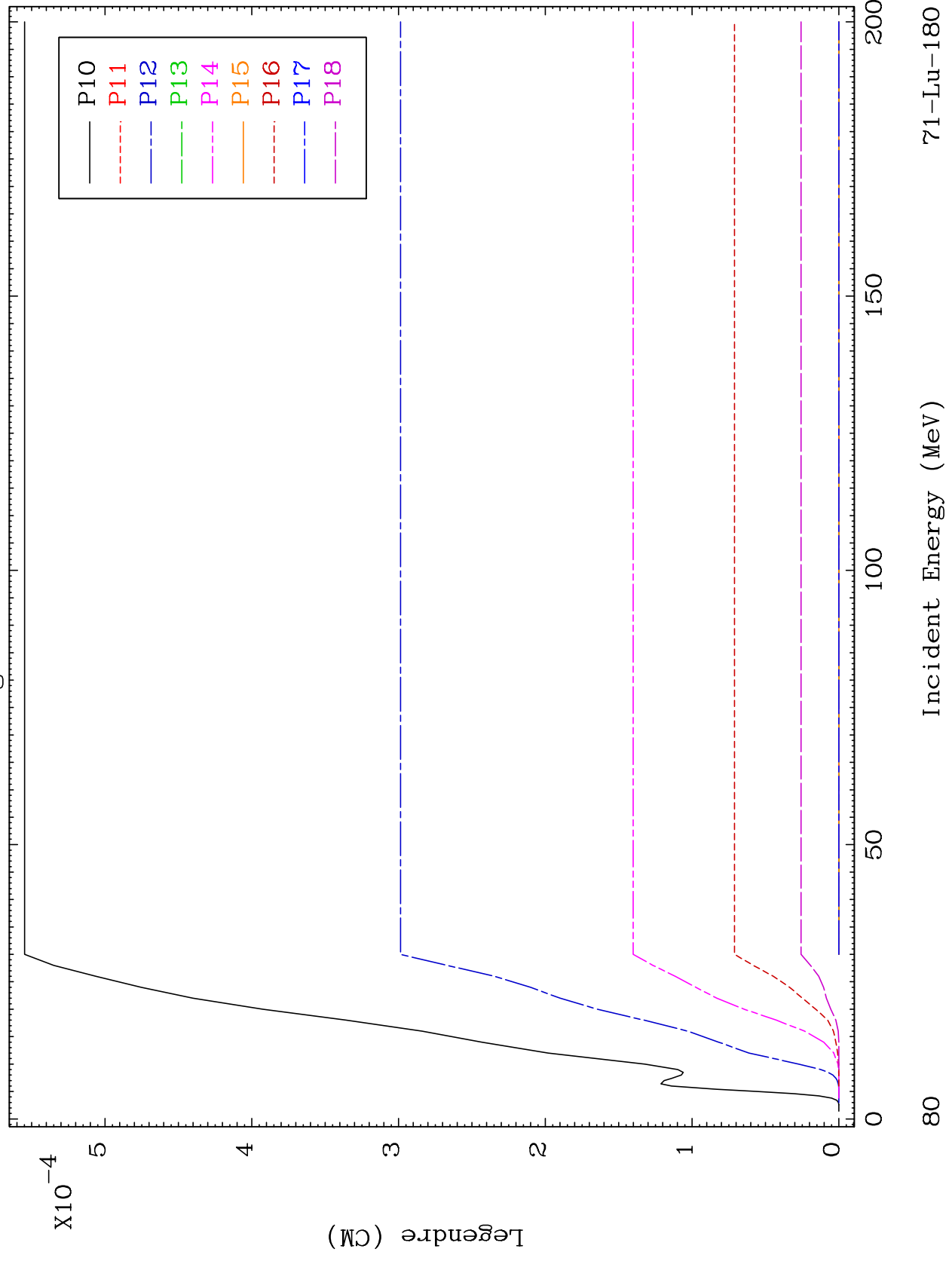




MAT 7140

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

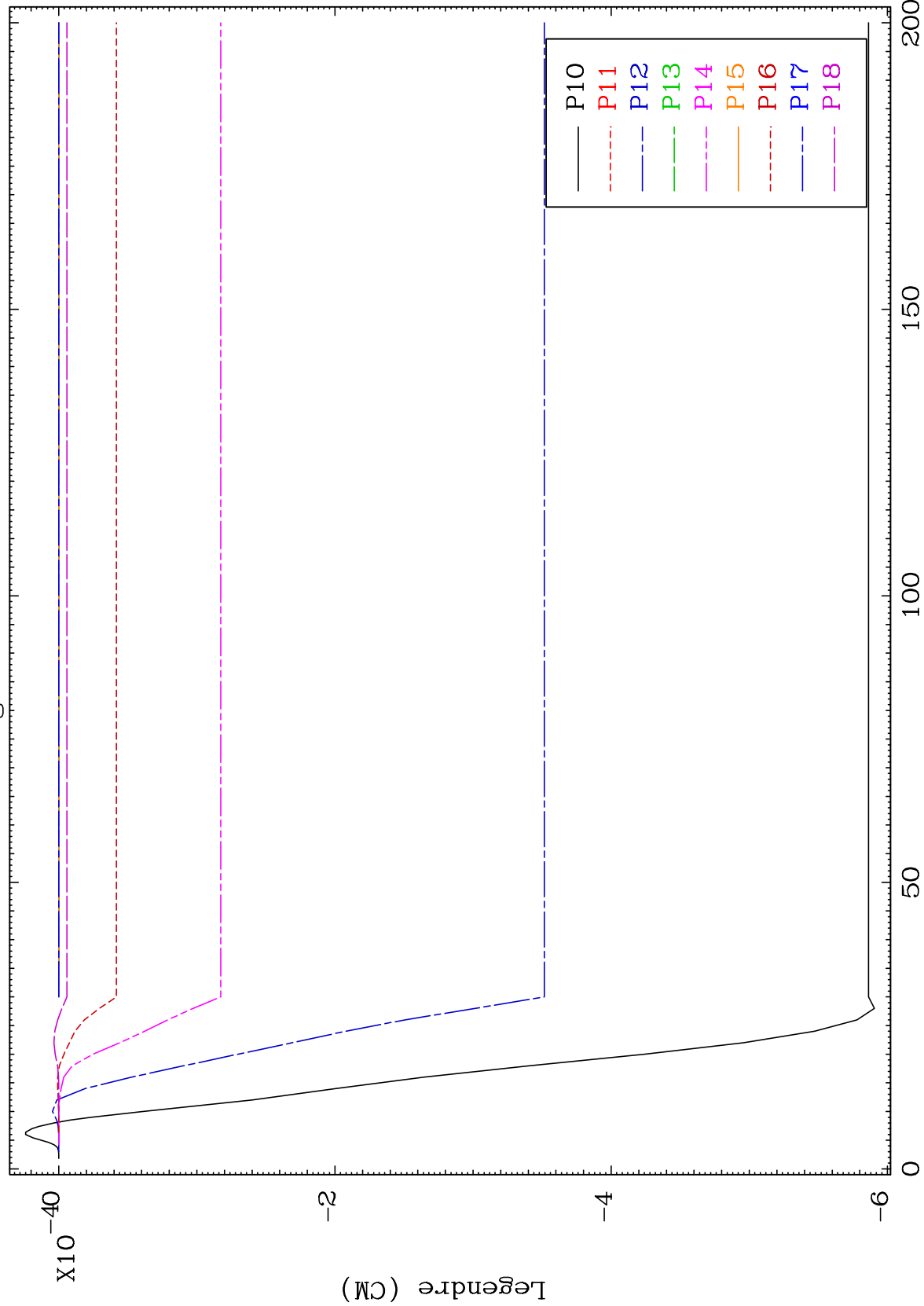
71-Lu-180



MAT 7140

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

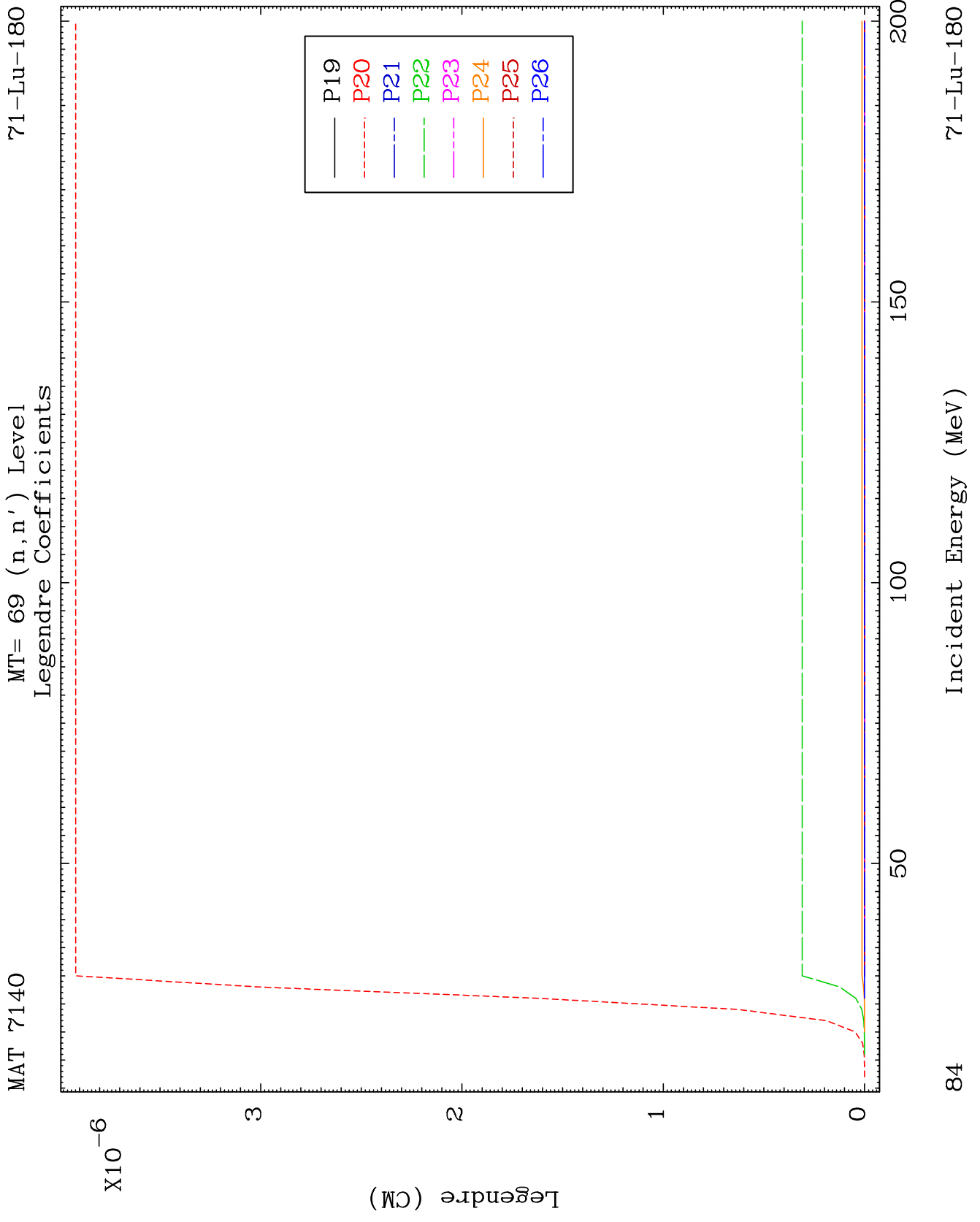
71-Lu-180

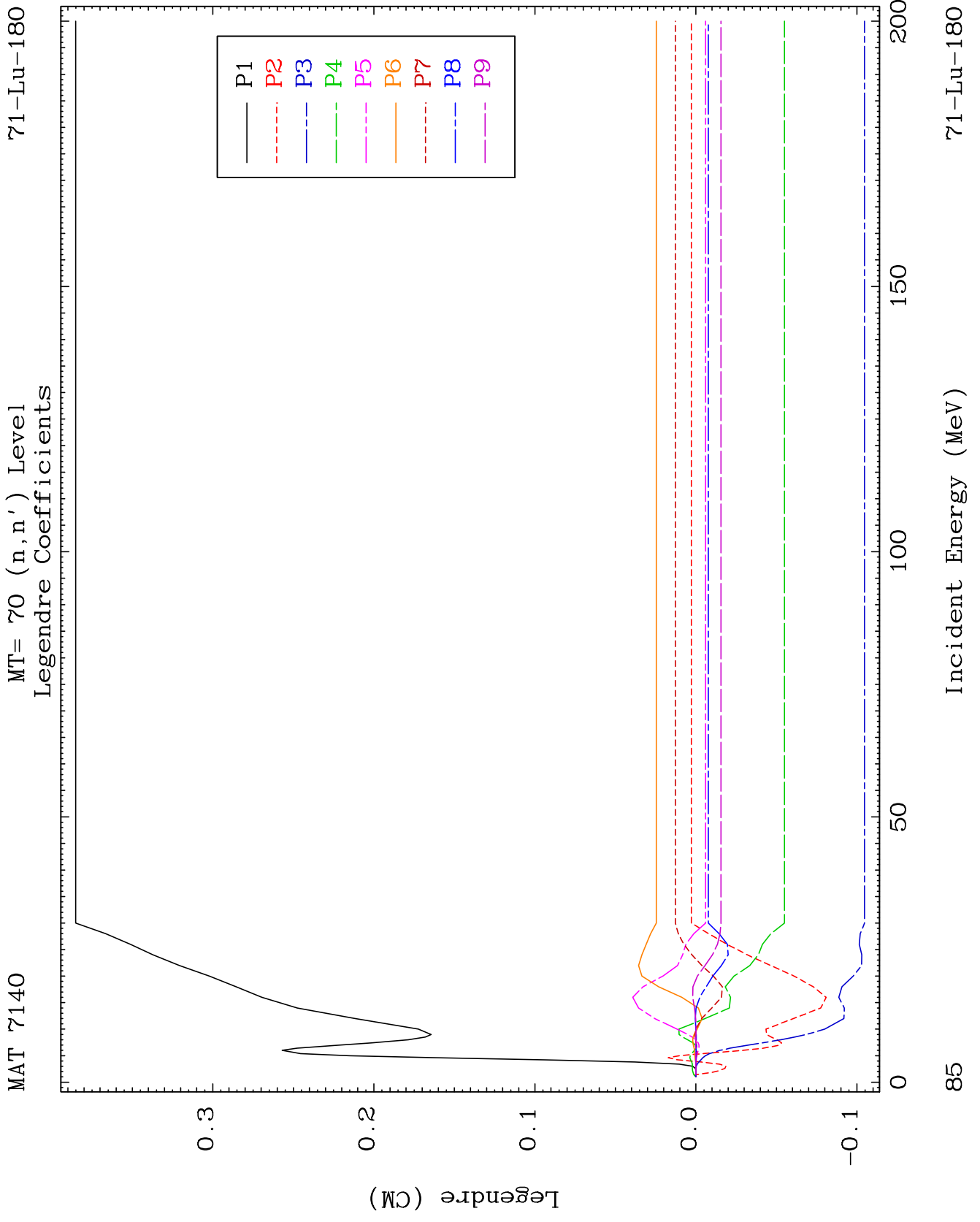


83

Incident Energy (MeV)

71-Lu-180

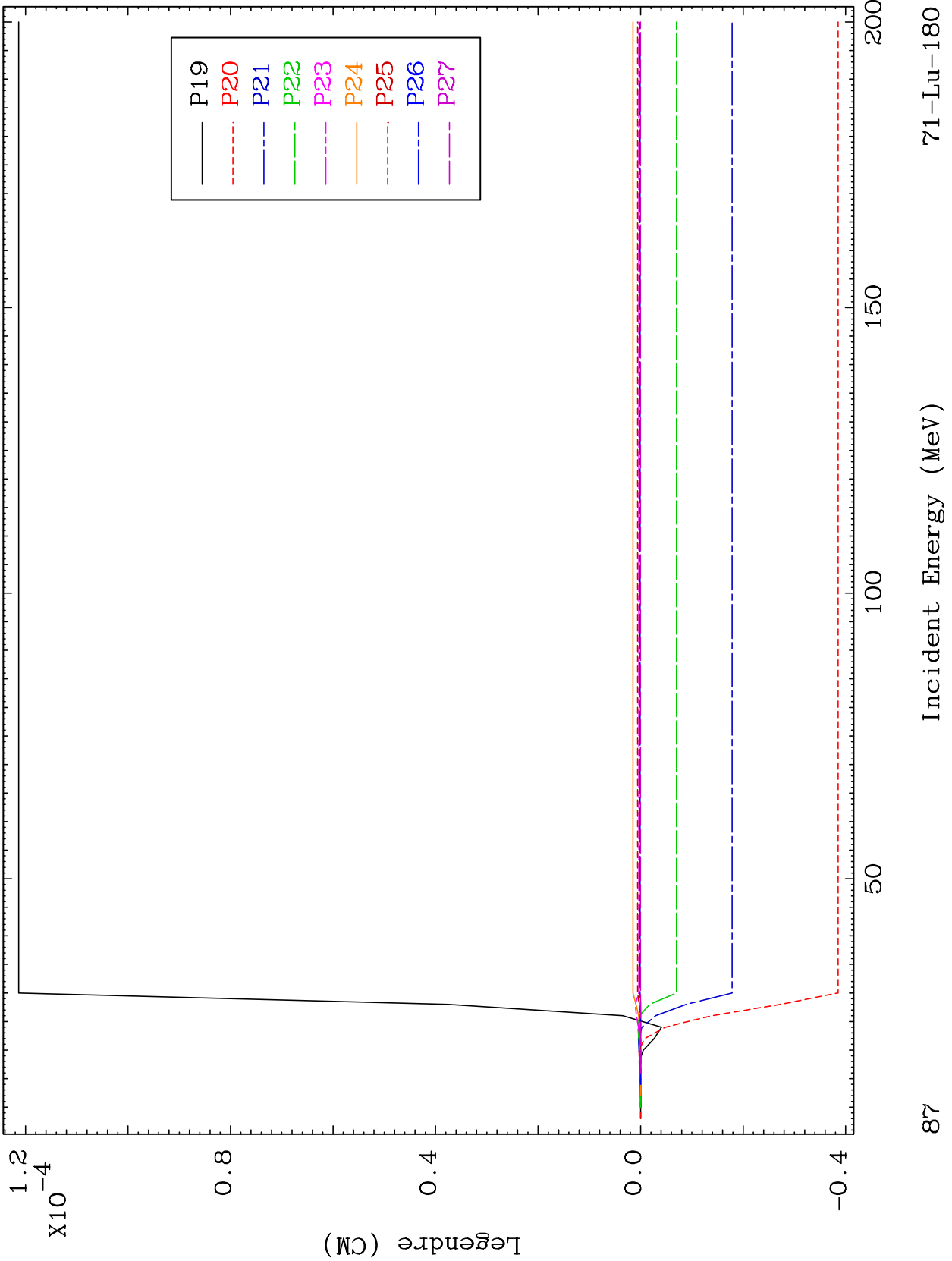


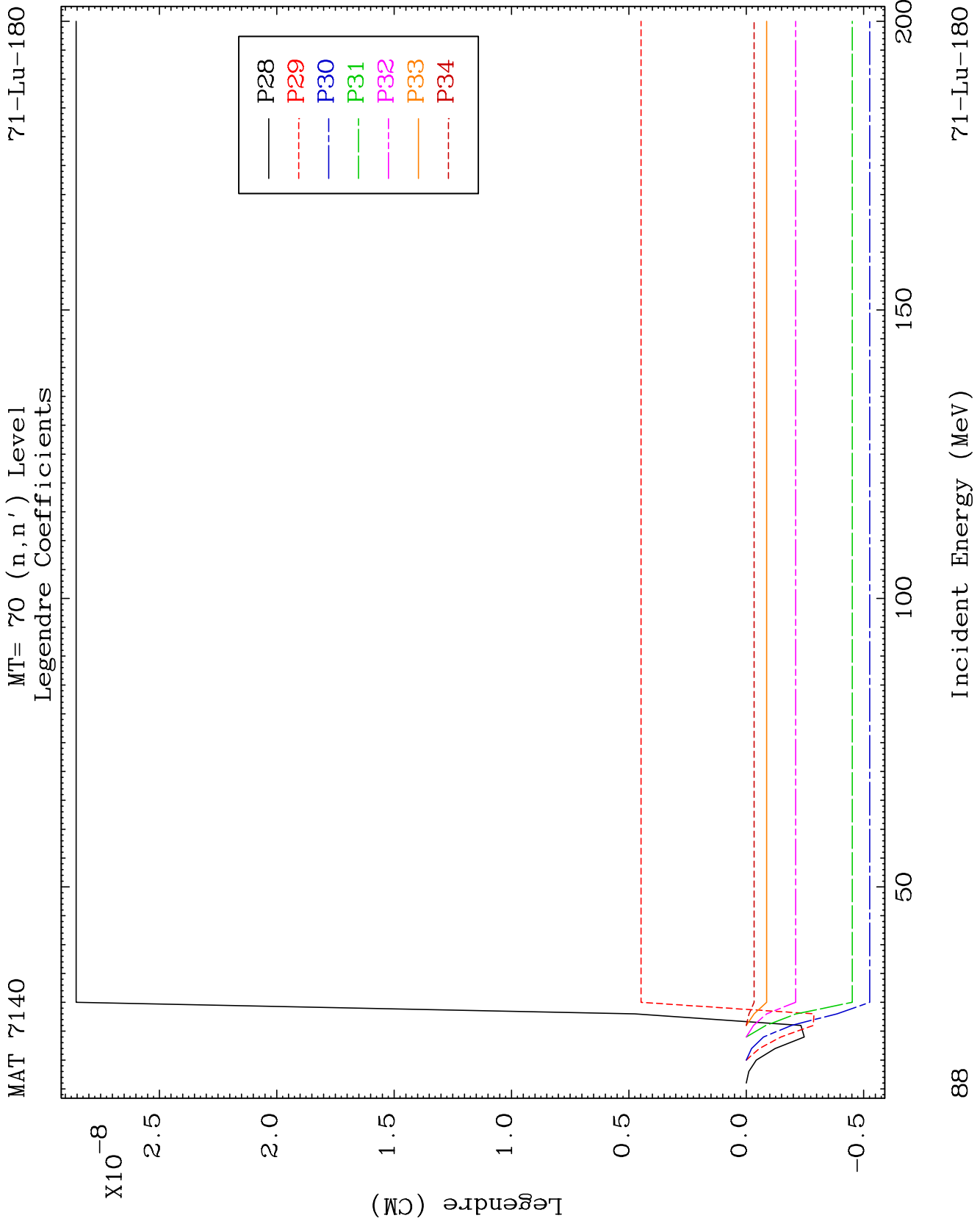


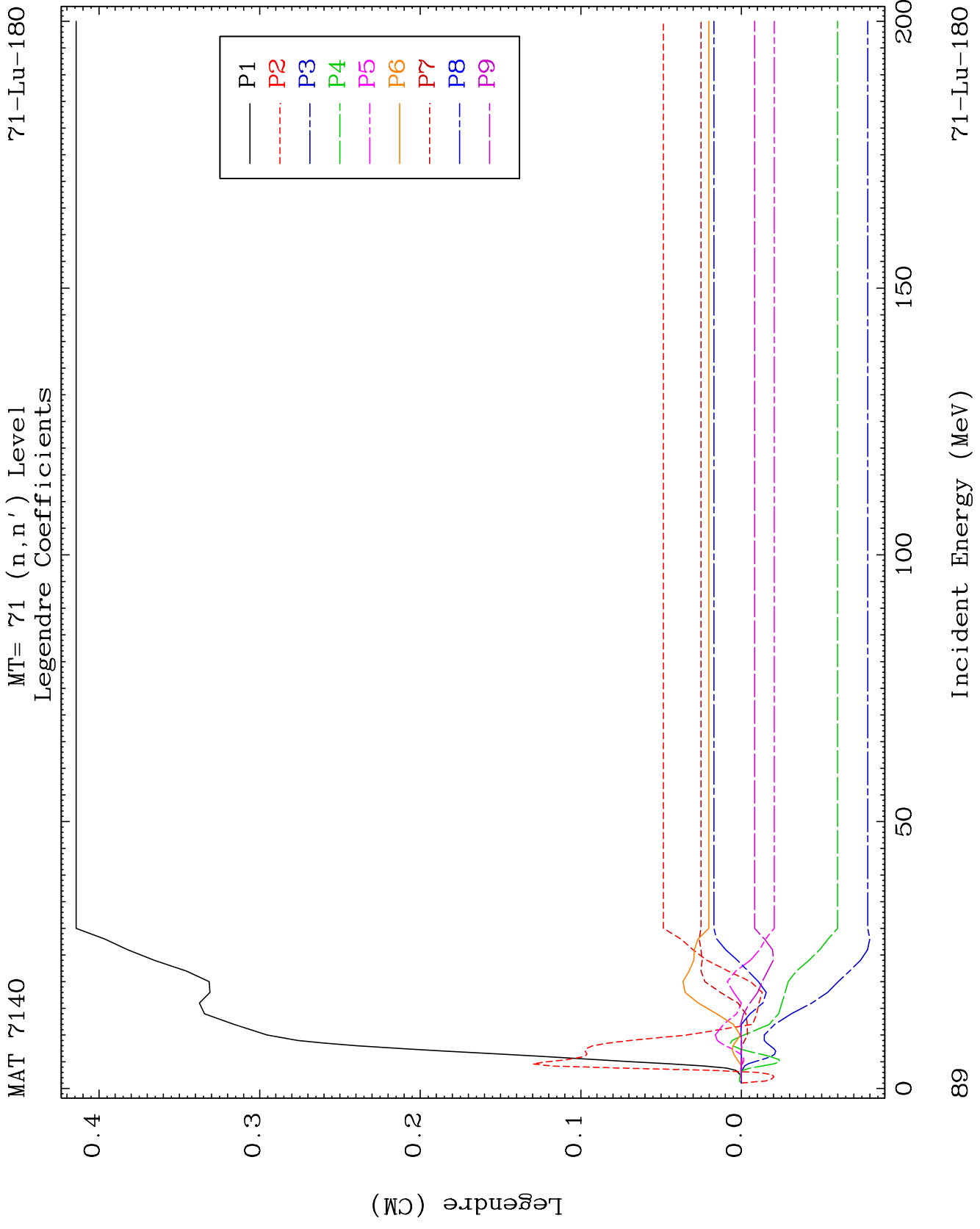
MAT 7140

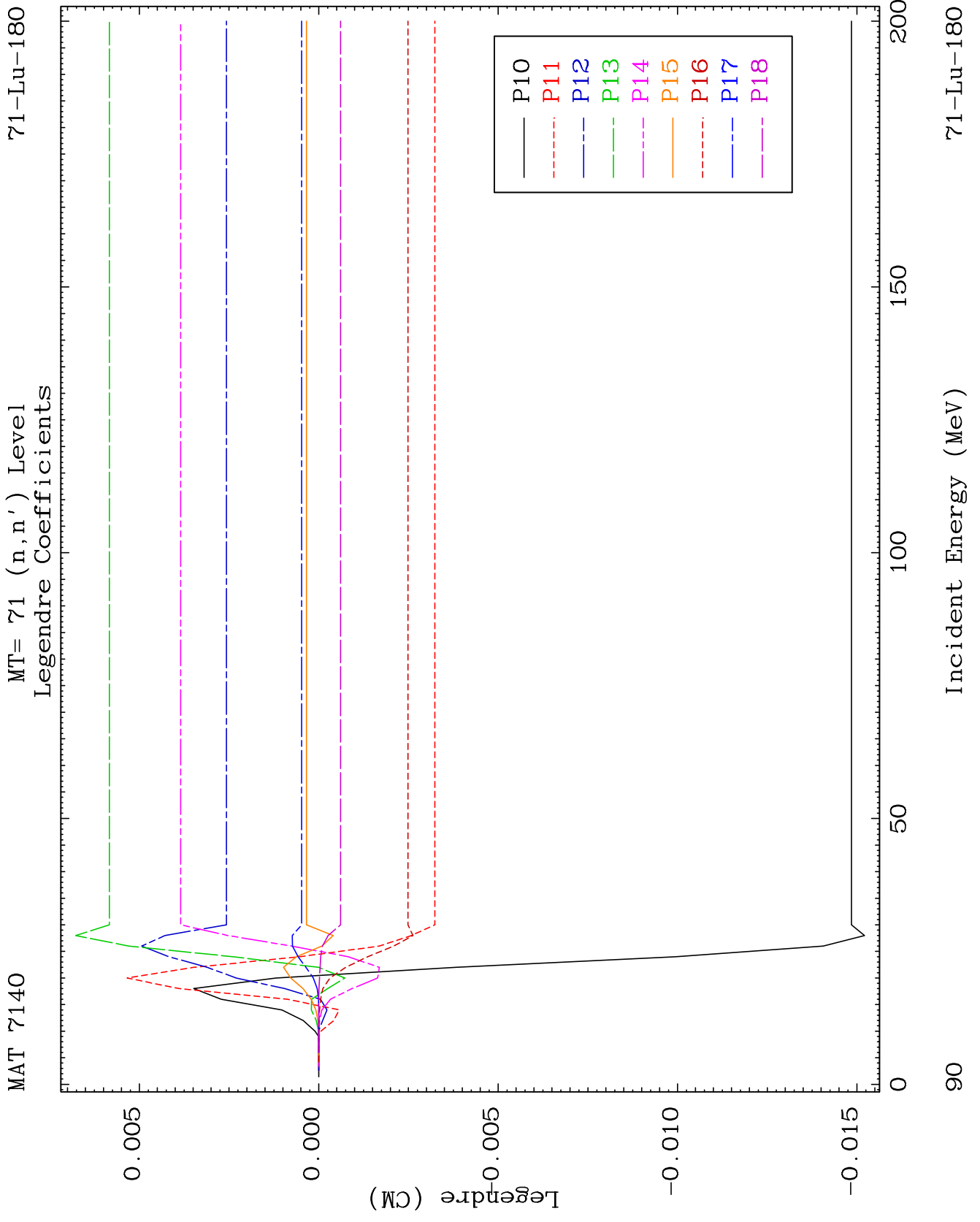
MT= 70 (n,n') Level
Legendre Coefficients

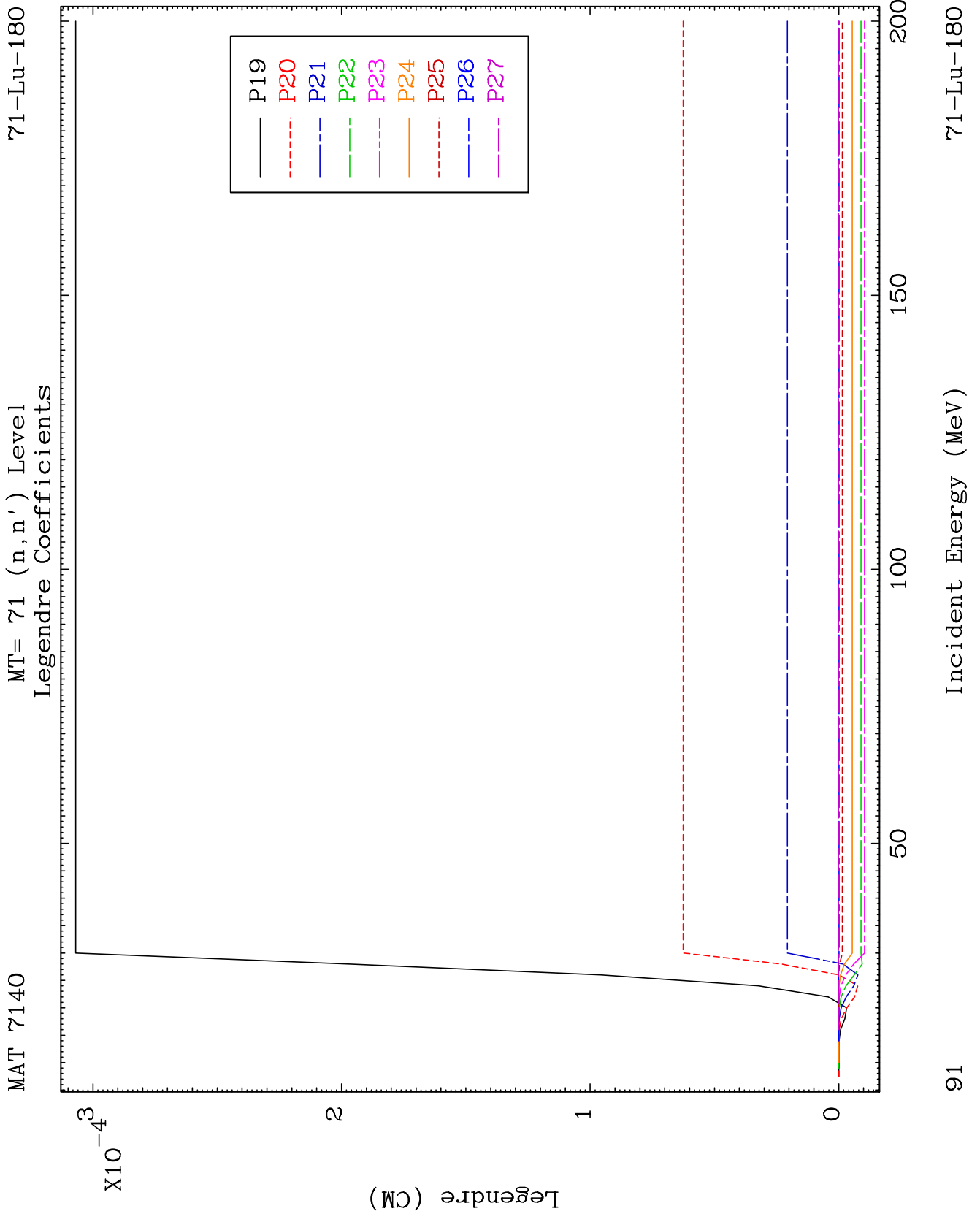
71-Lu-180

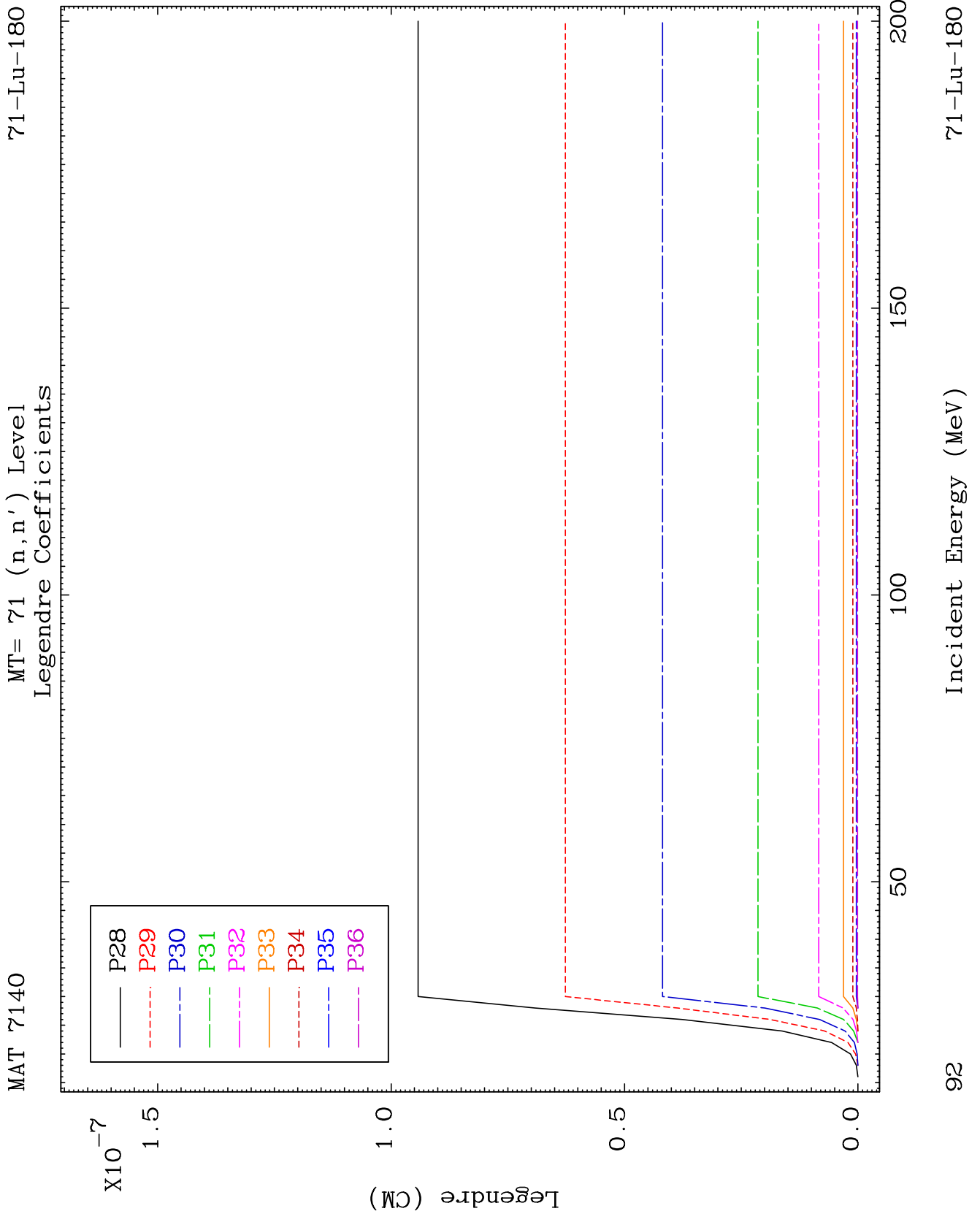


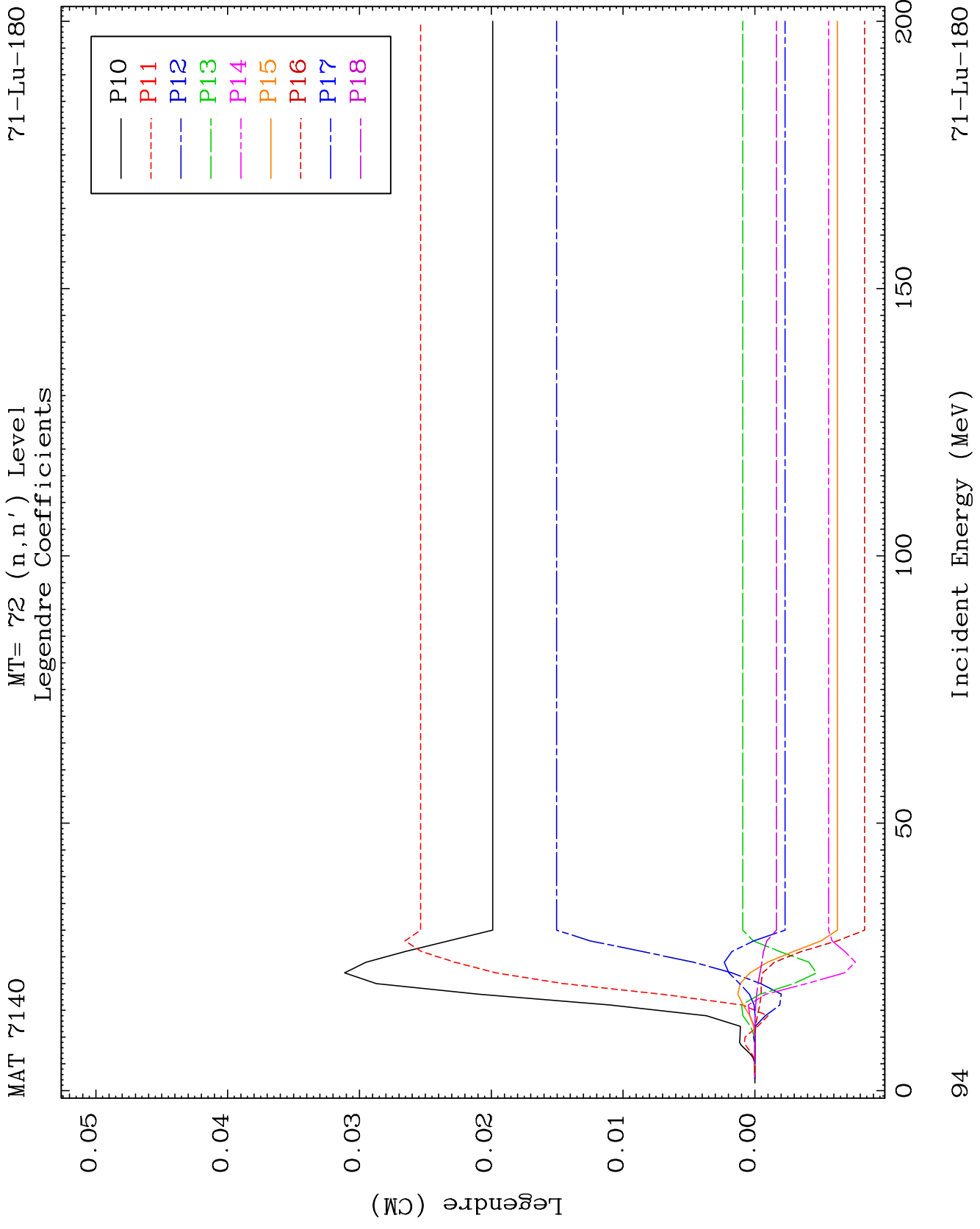








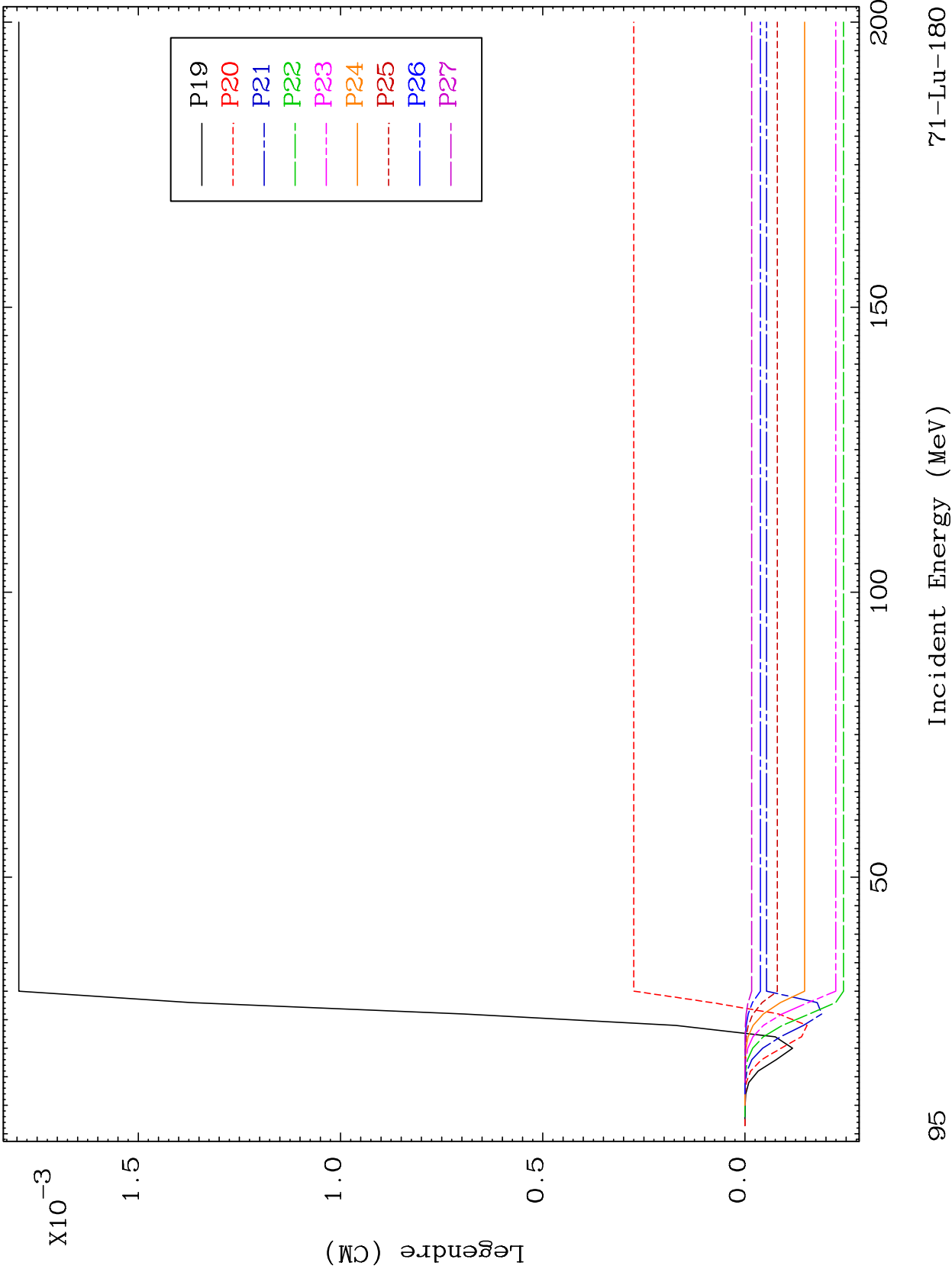


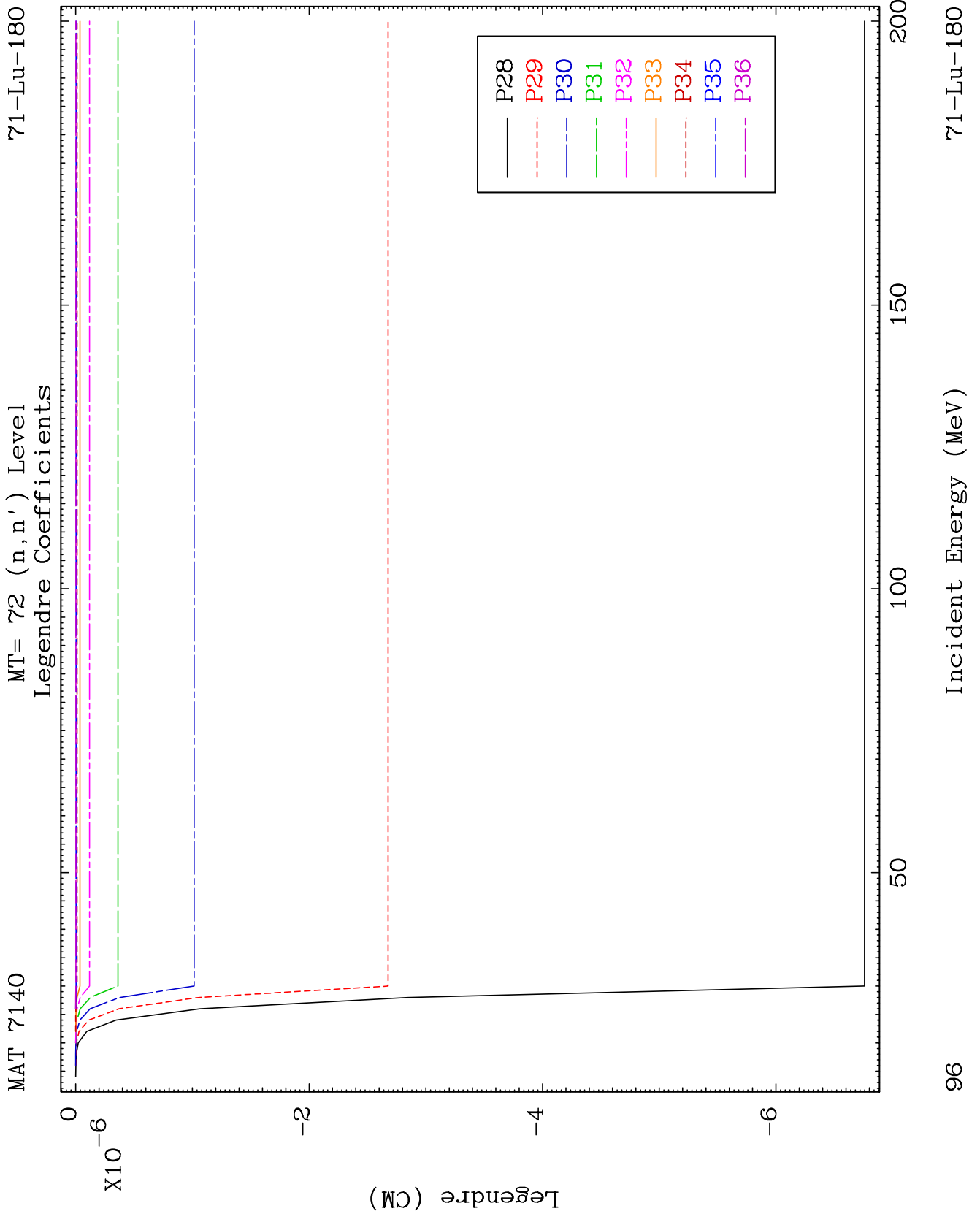


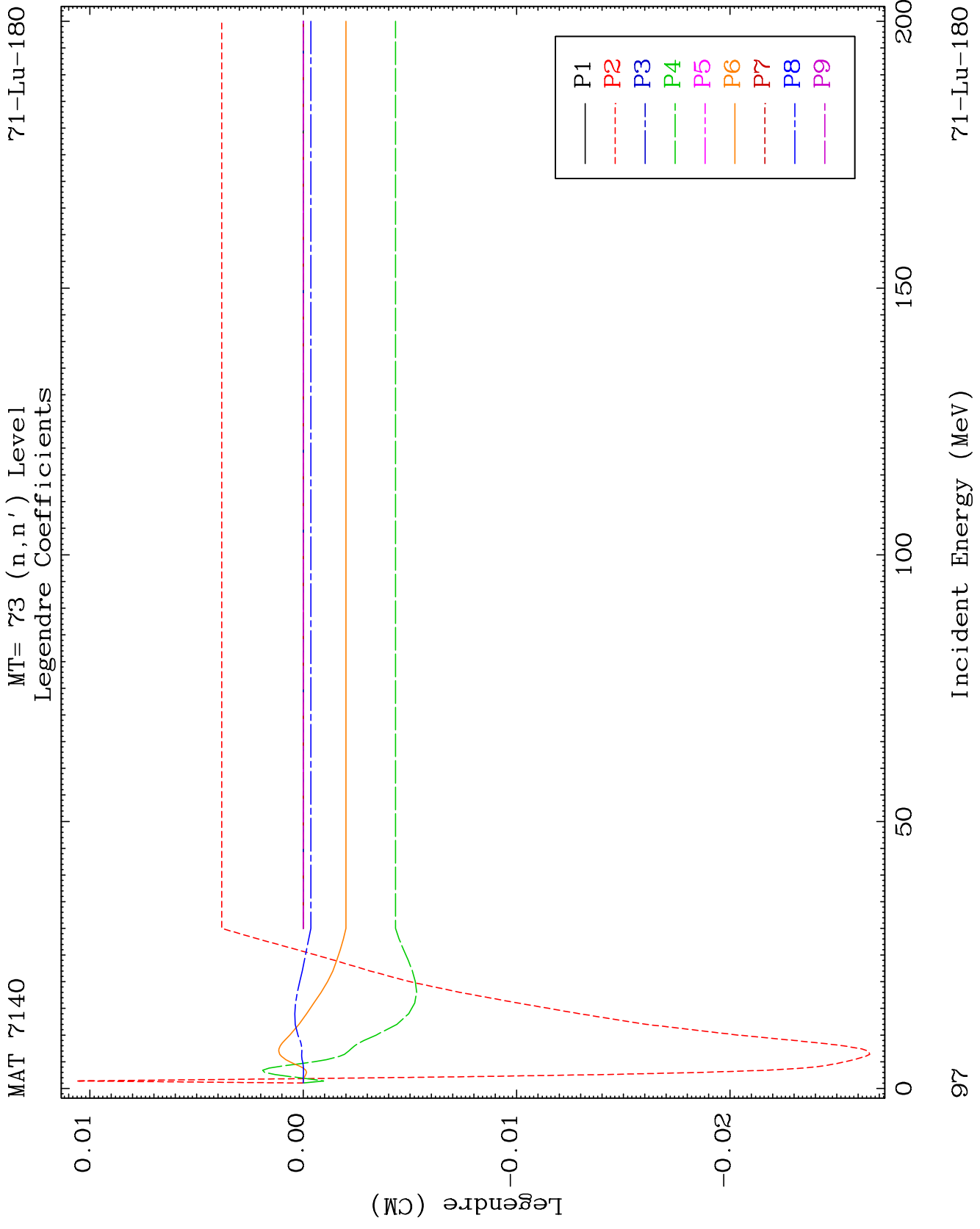
MAT 7140

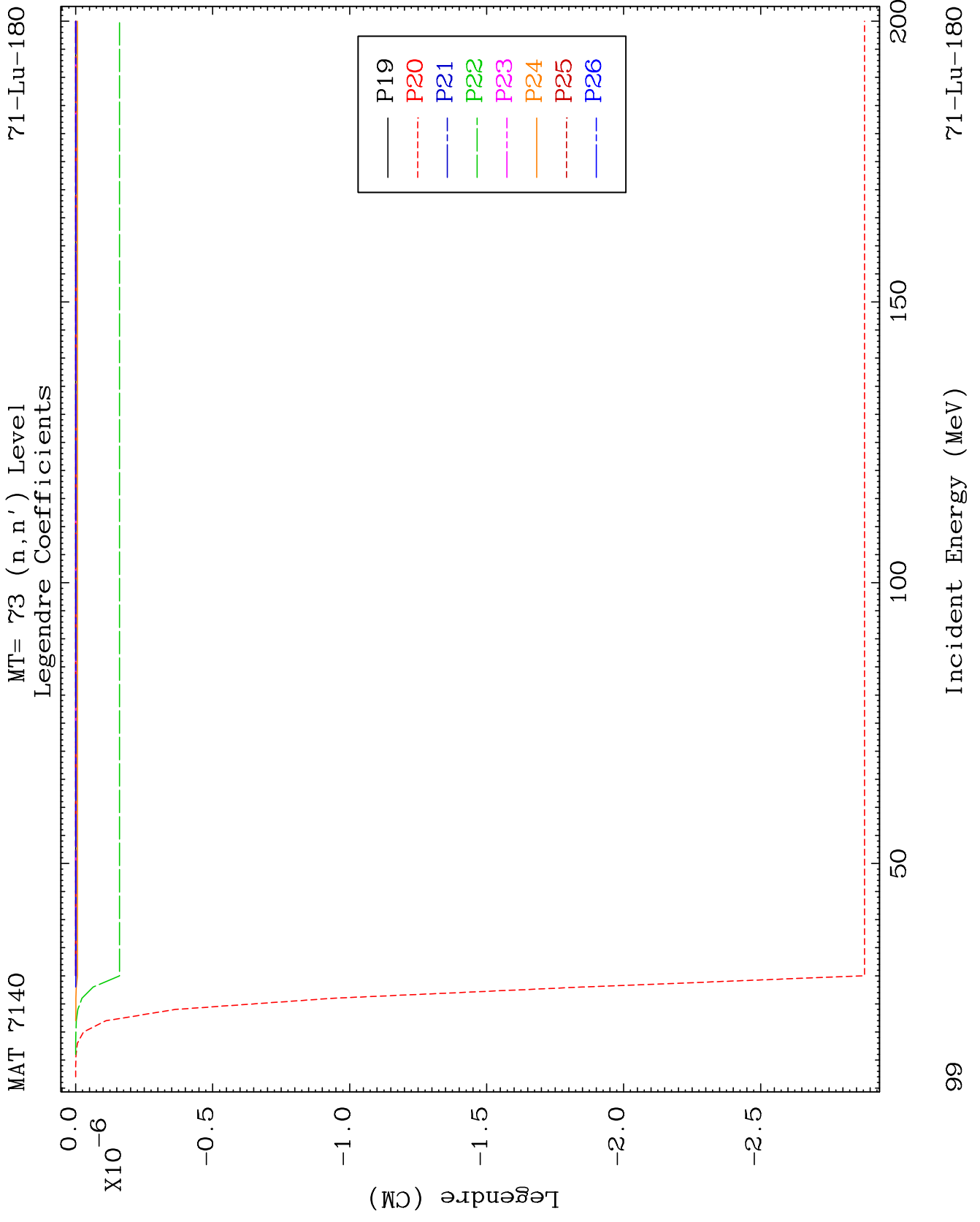
MT= 72 (n,n') Level
Legendre Coefficients

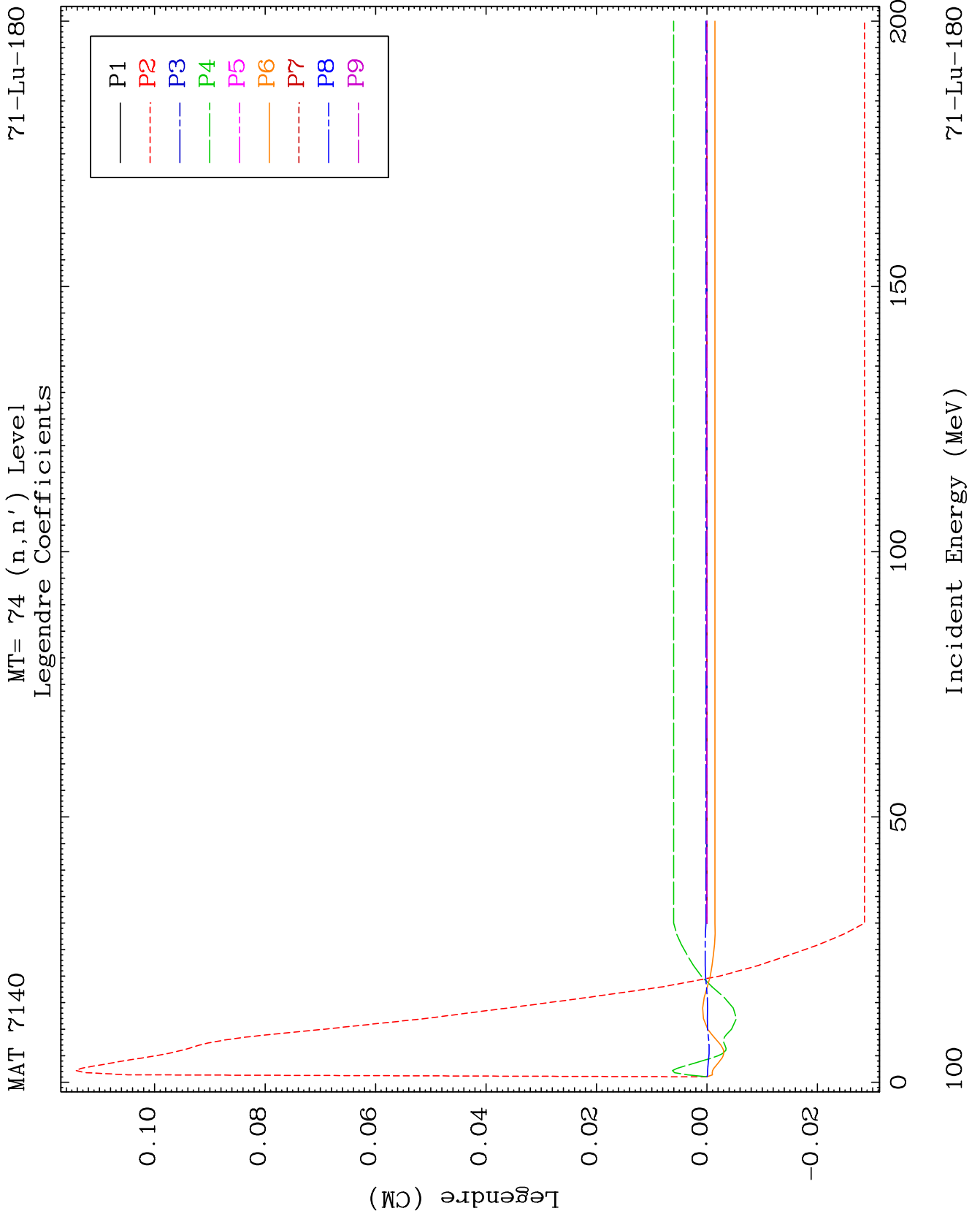
71-Lu-180







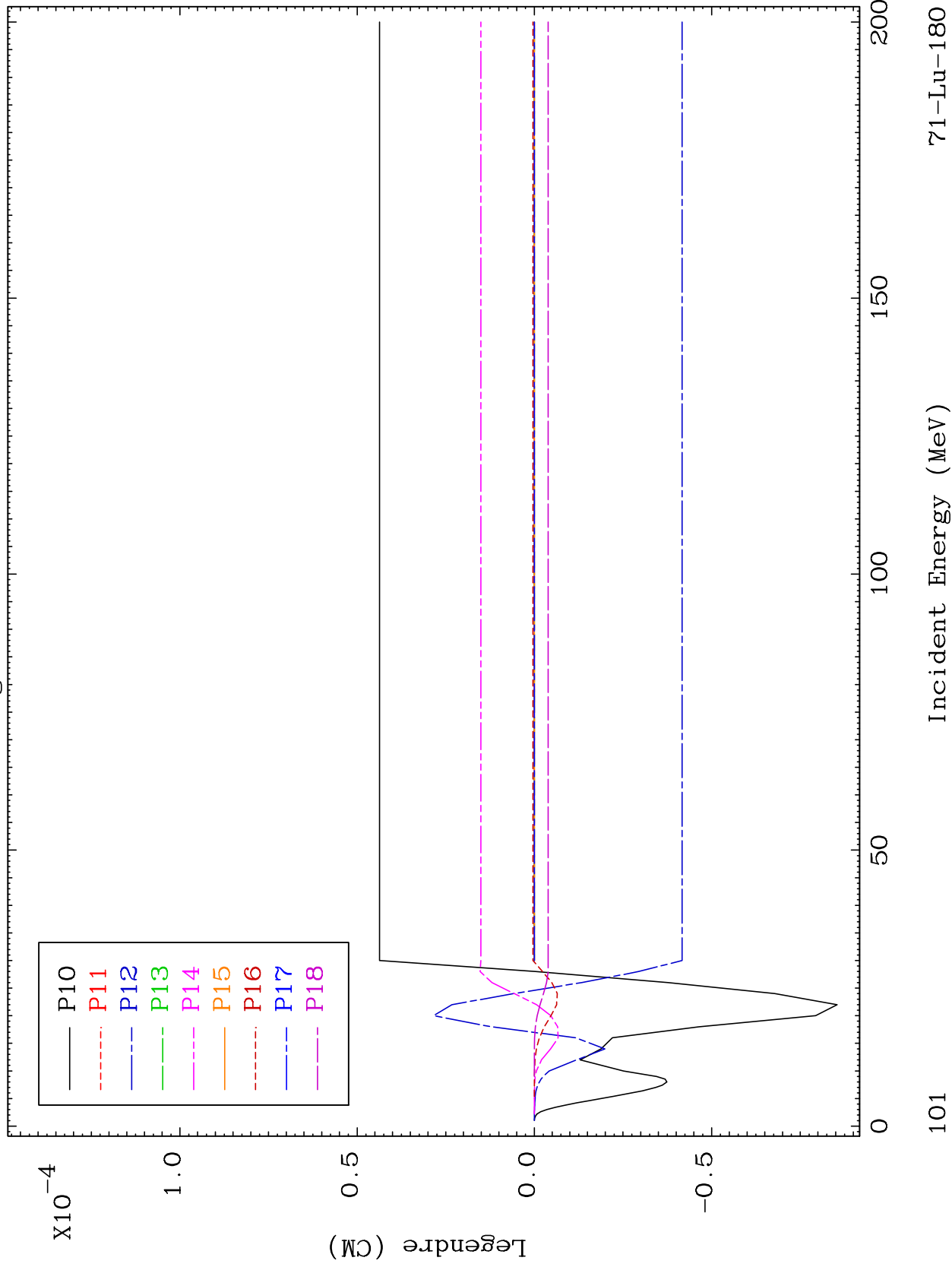


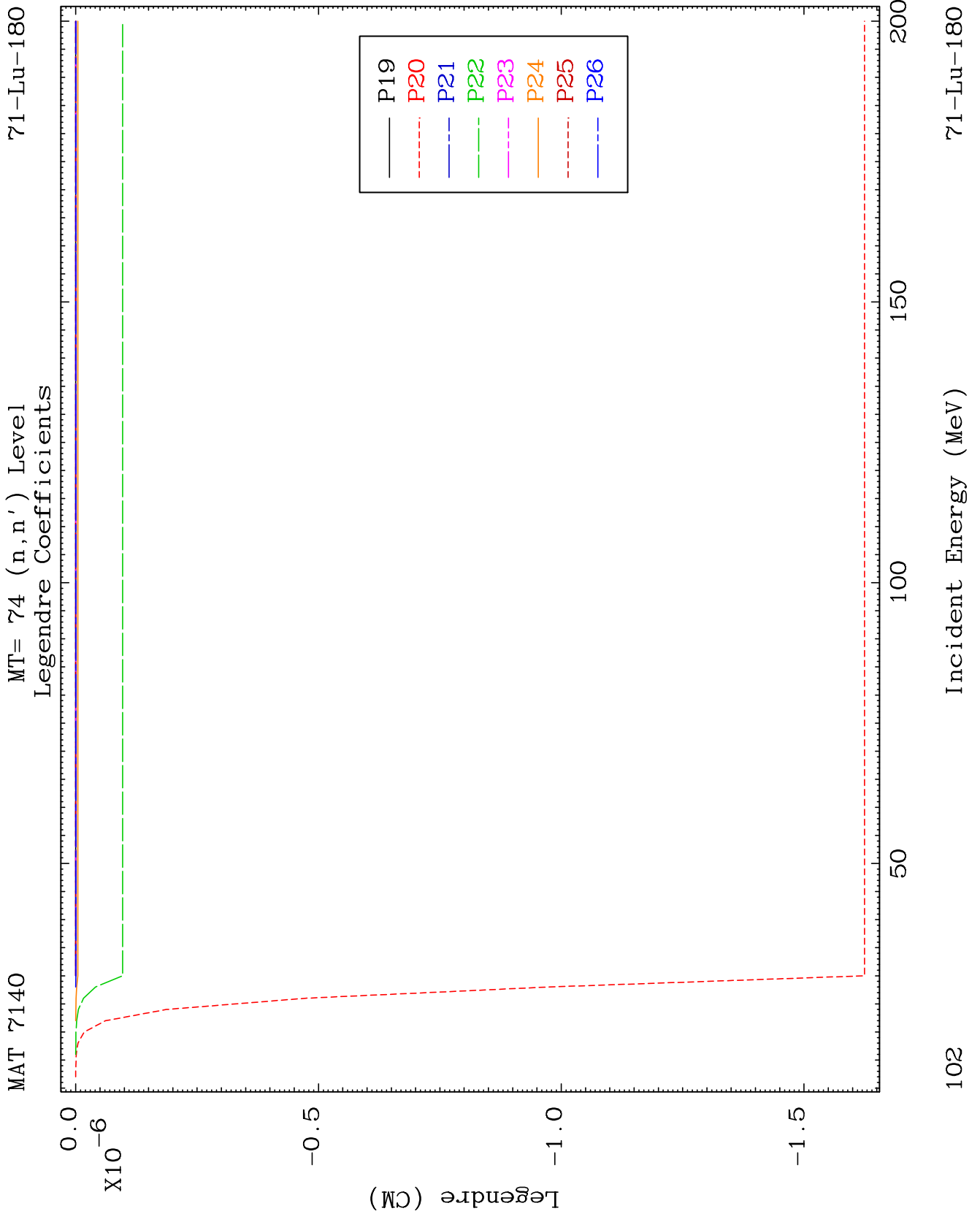


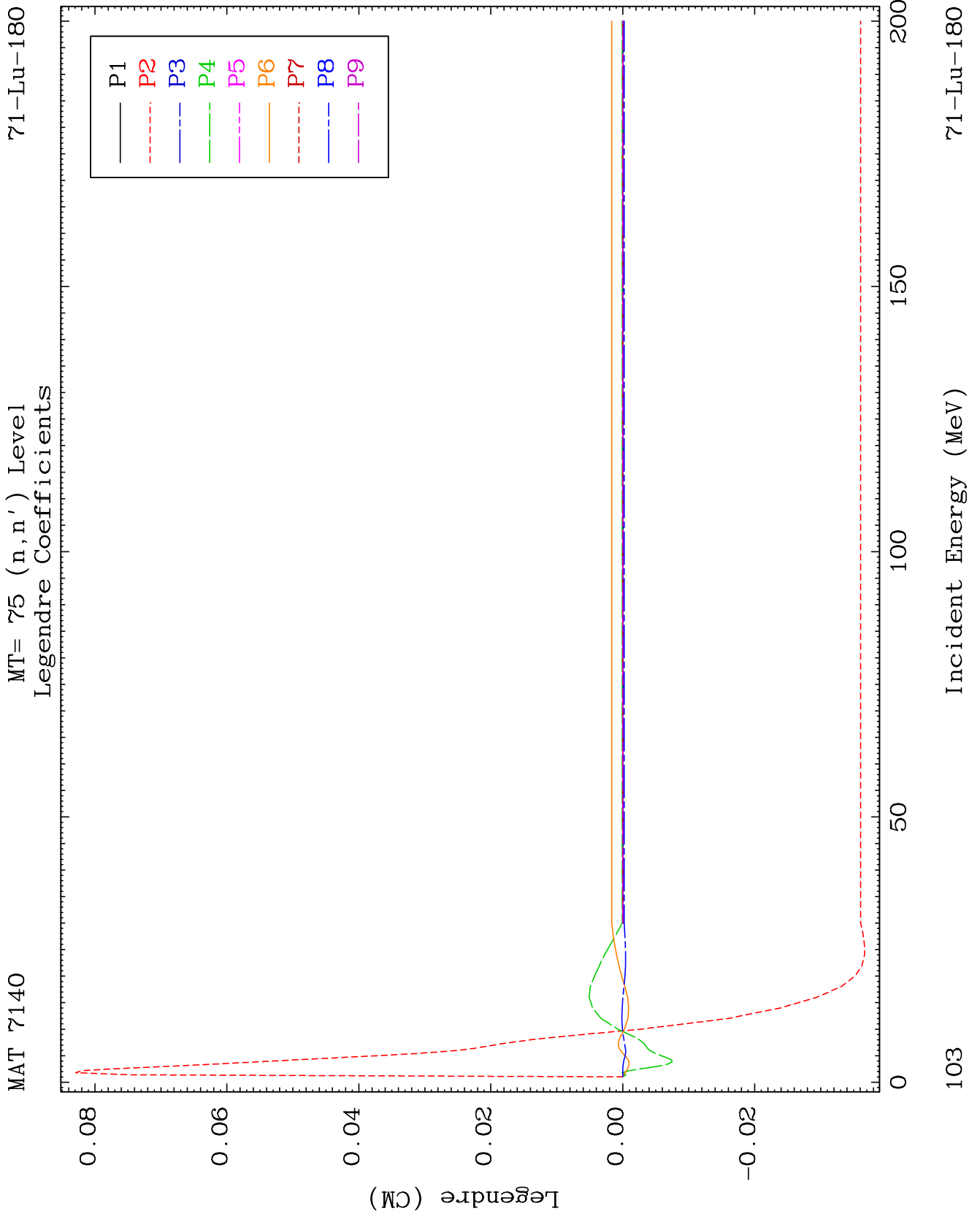
MAT 7140

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

71-Lu-180



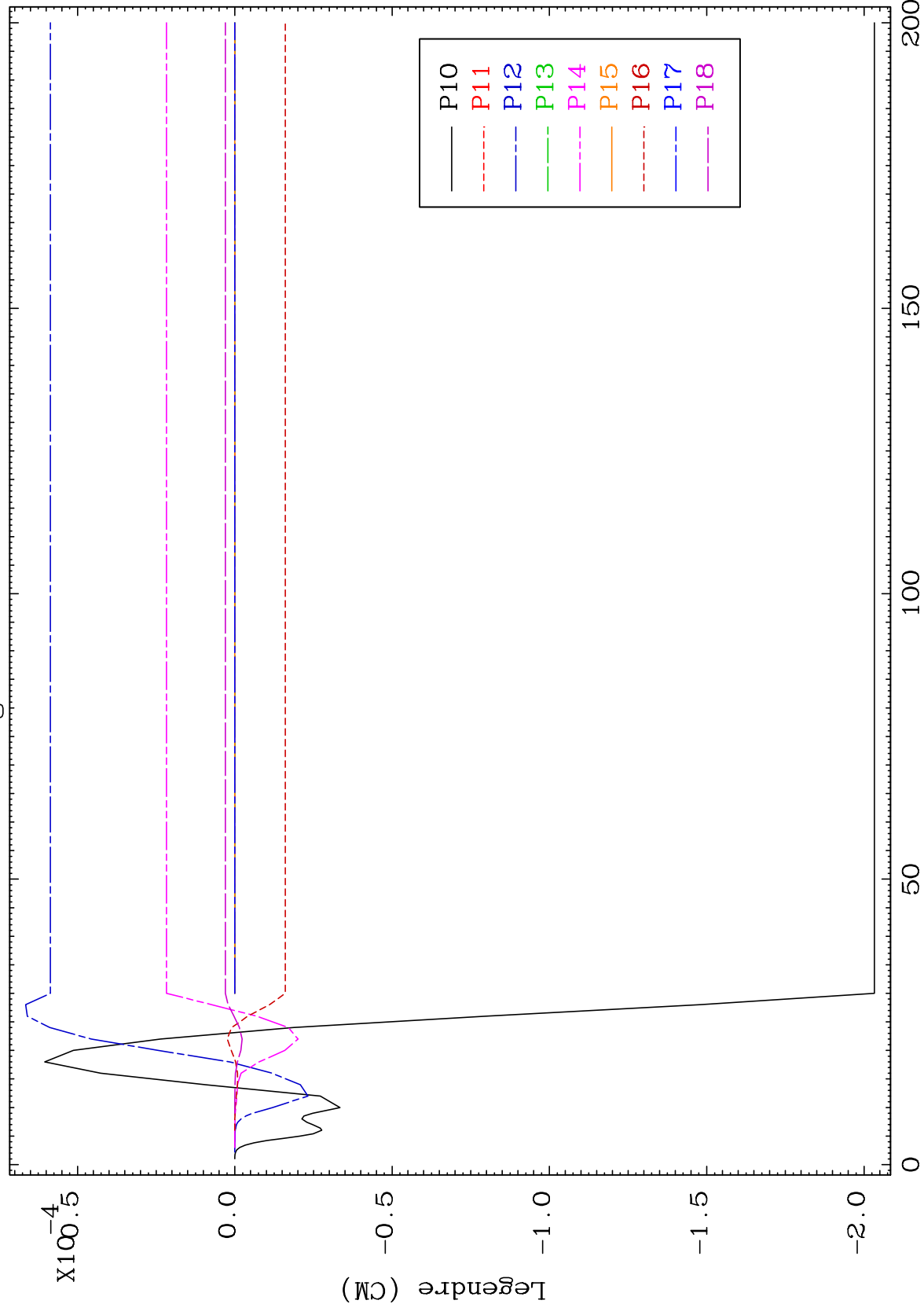




MAT 7140

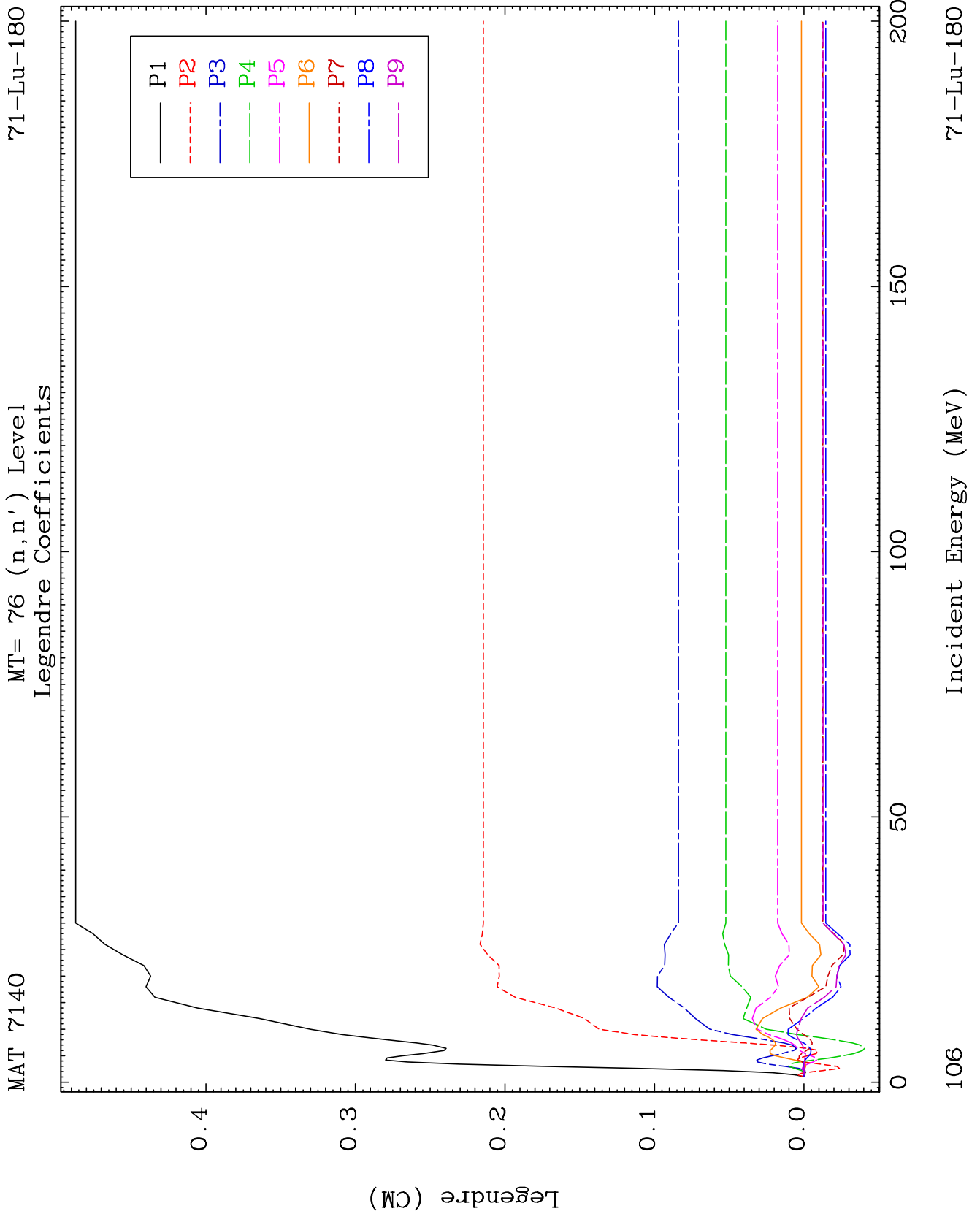
MT= 75 (n,n') Level
Legendre Coefficients

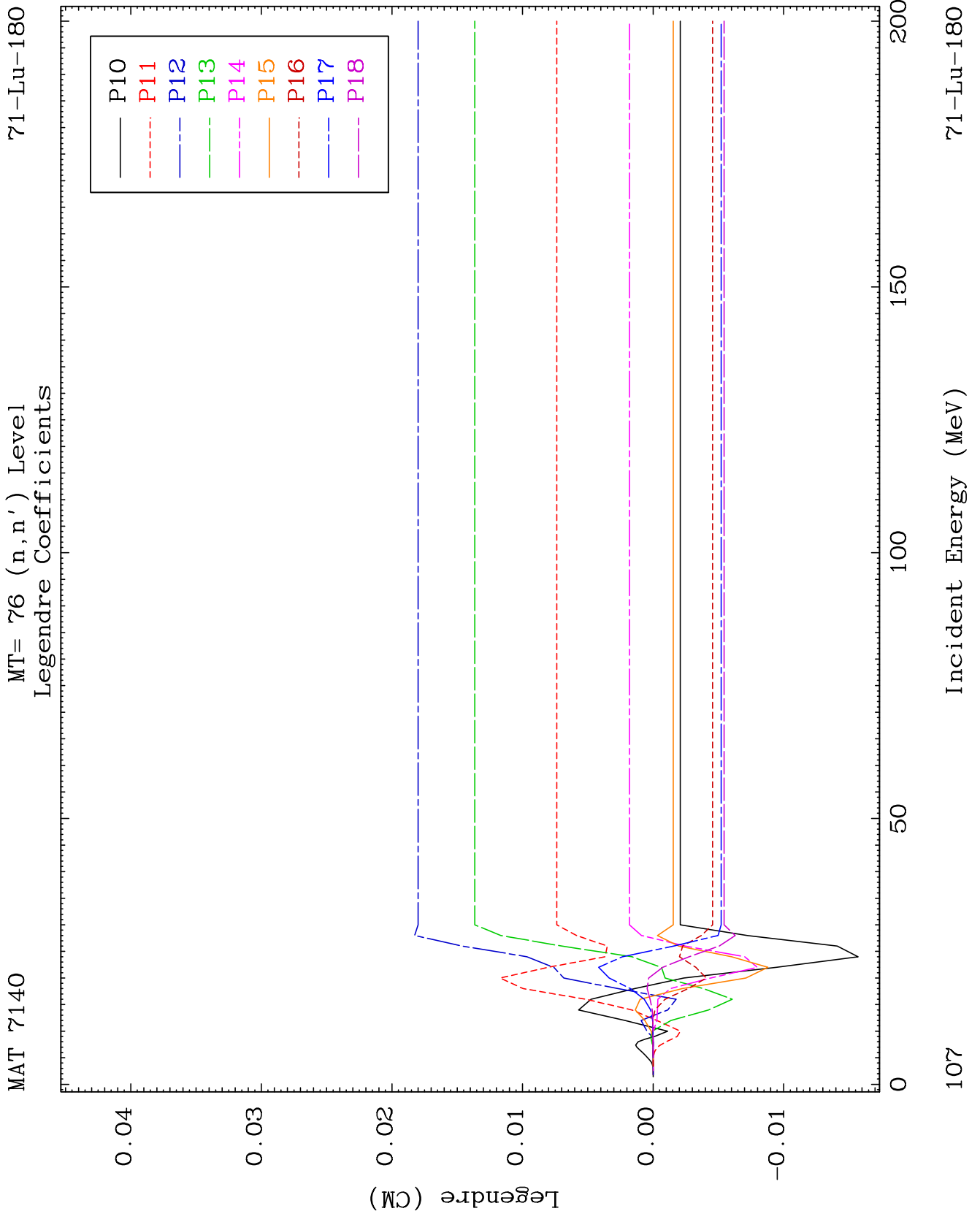
71-Lu-180



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71-Lu-180

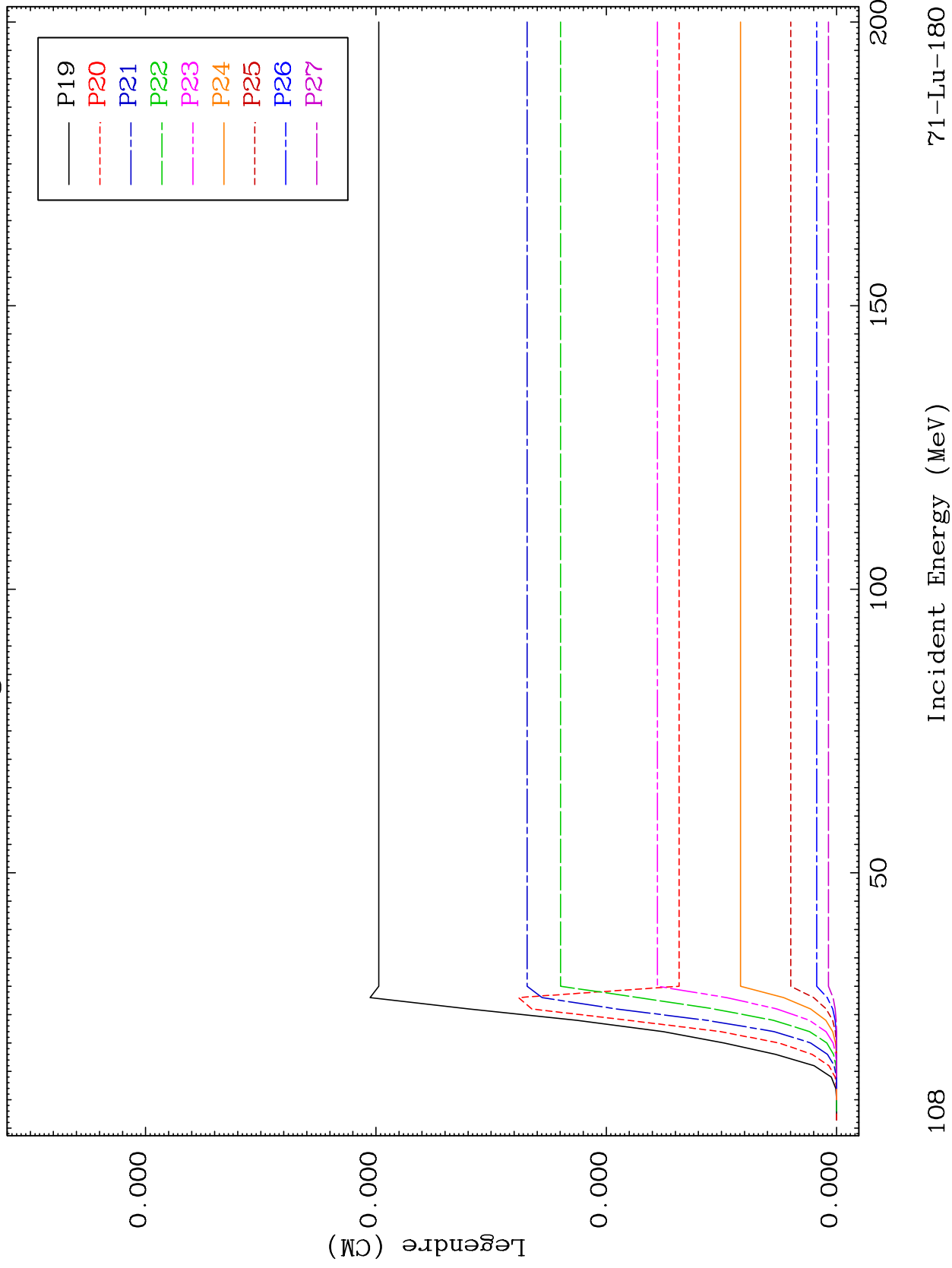


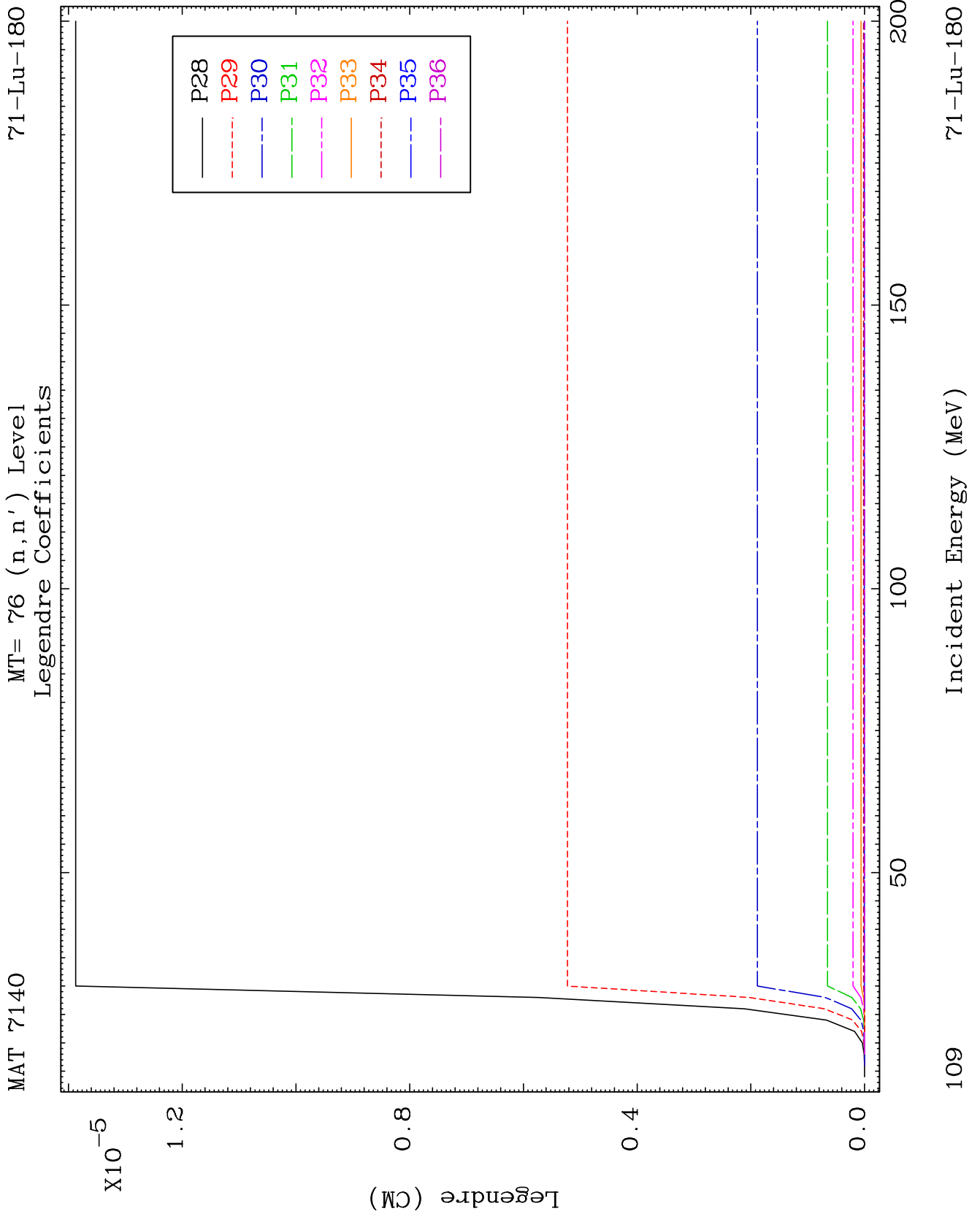


MAT 7140

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

71-Lu-180

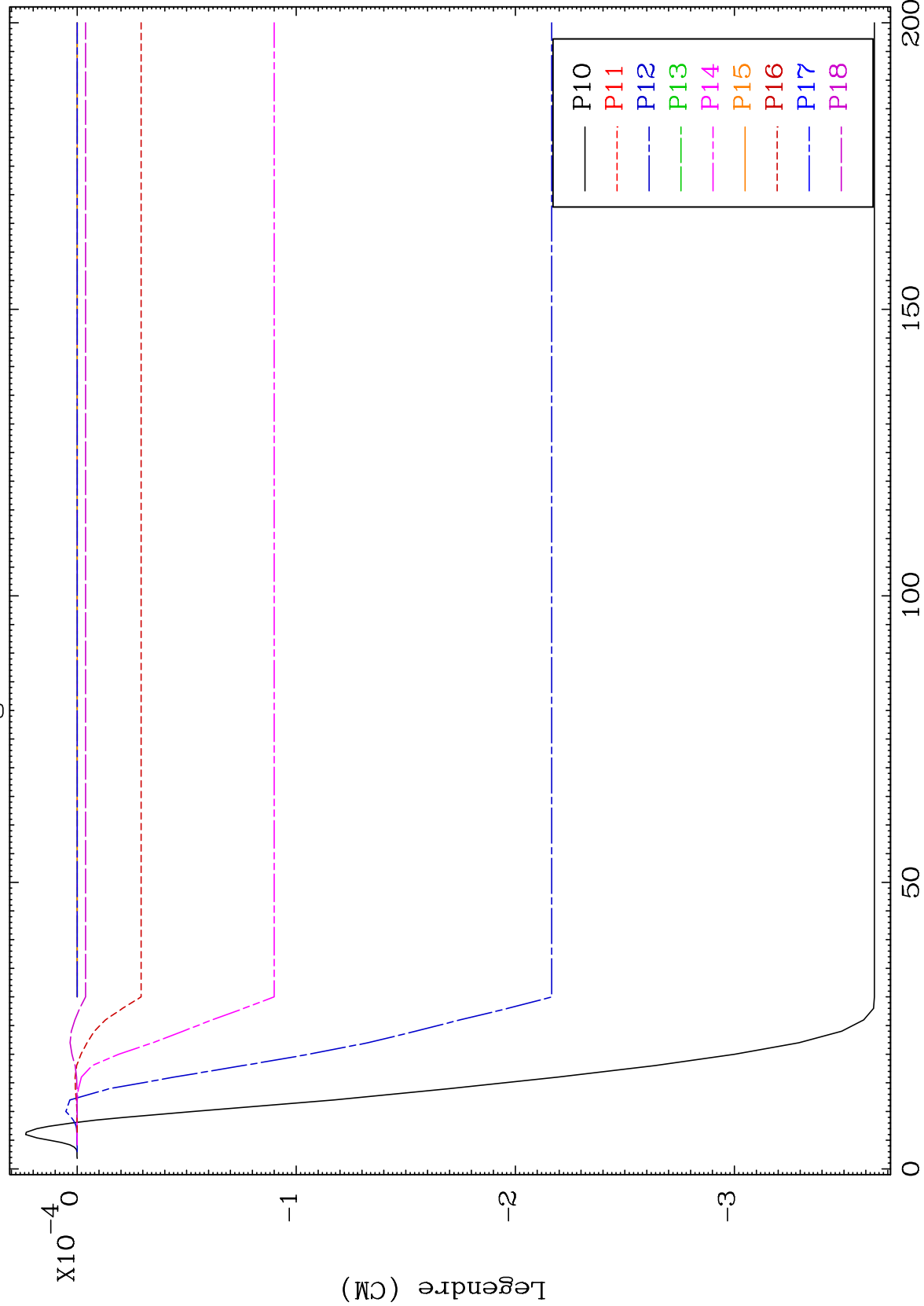




MAT 7140

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

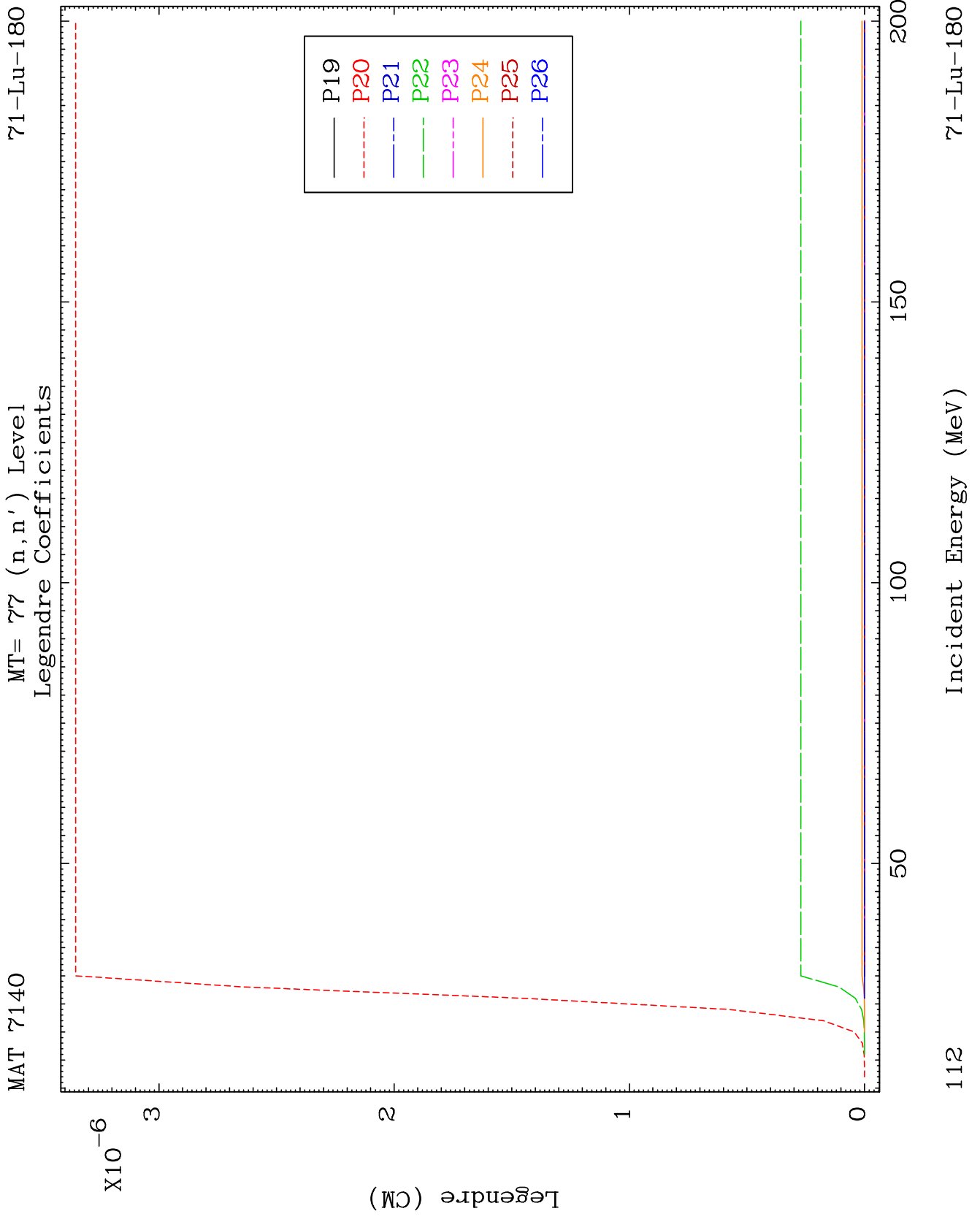
71-Lu-180

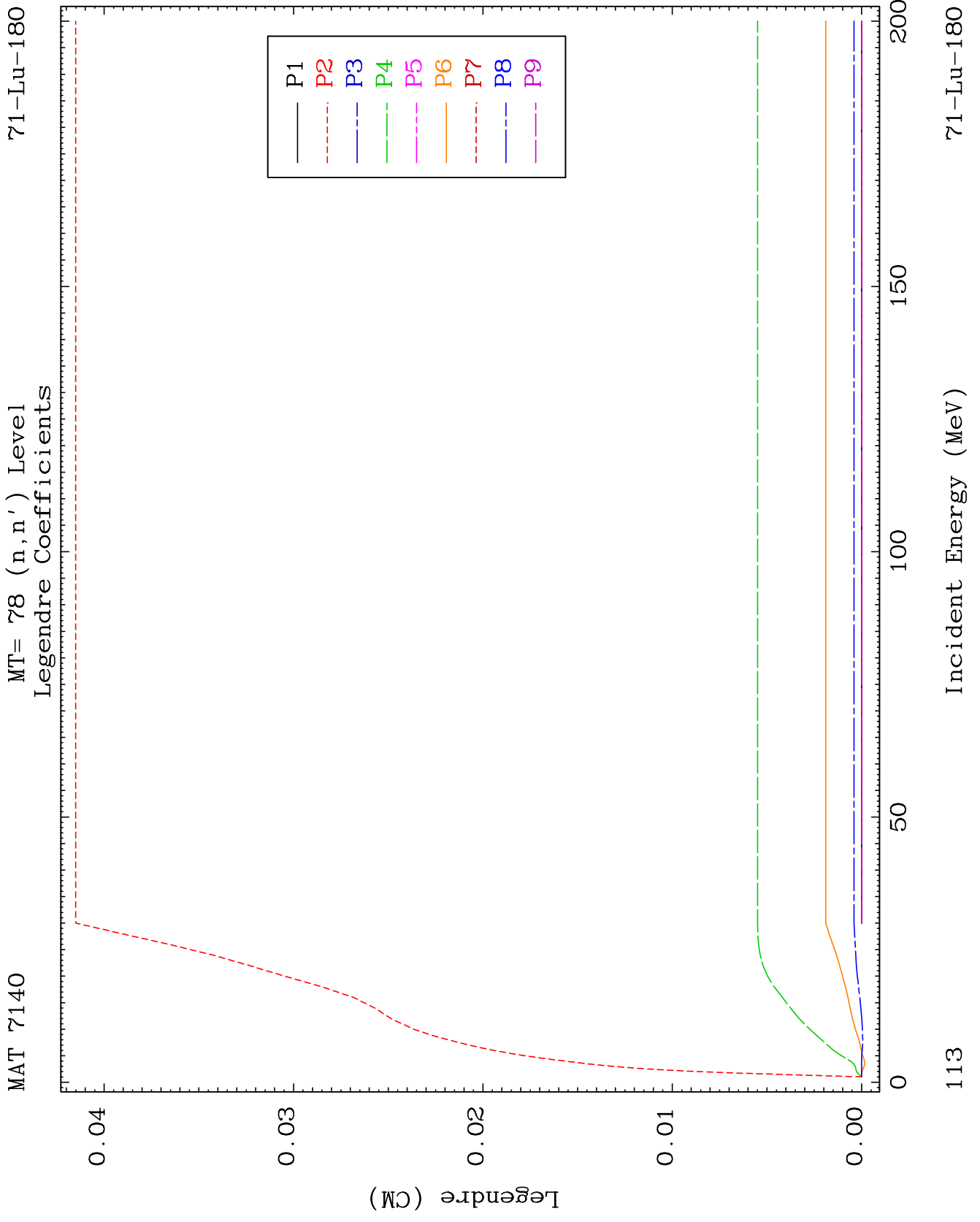


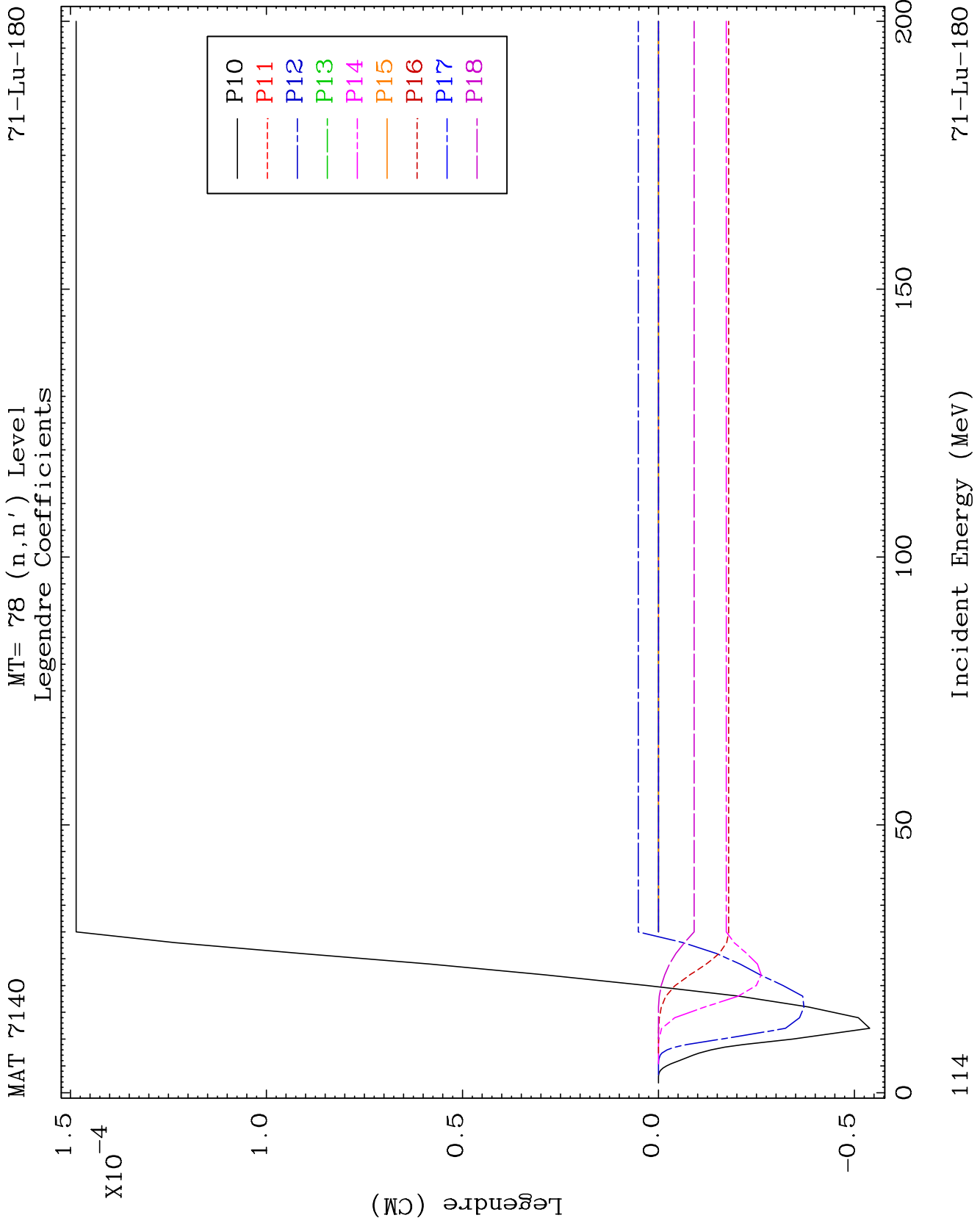
71-Lu-180

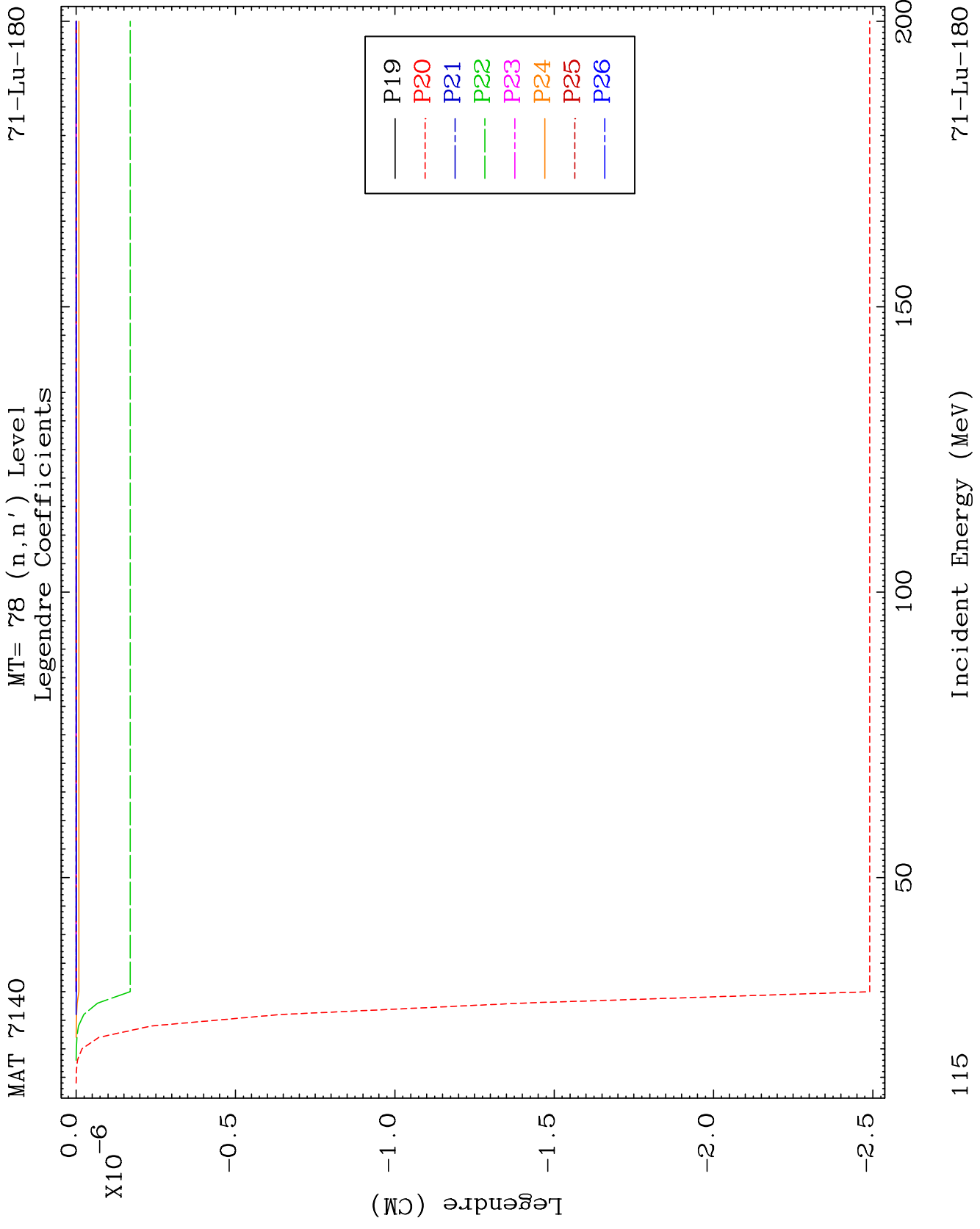
Incident Energy (MeV)

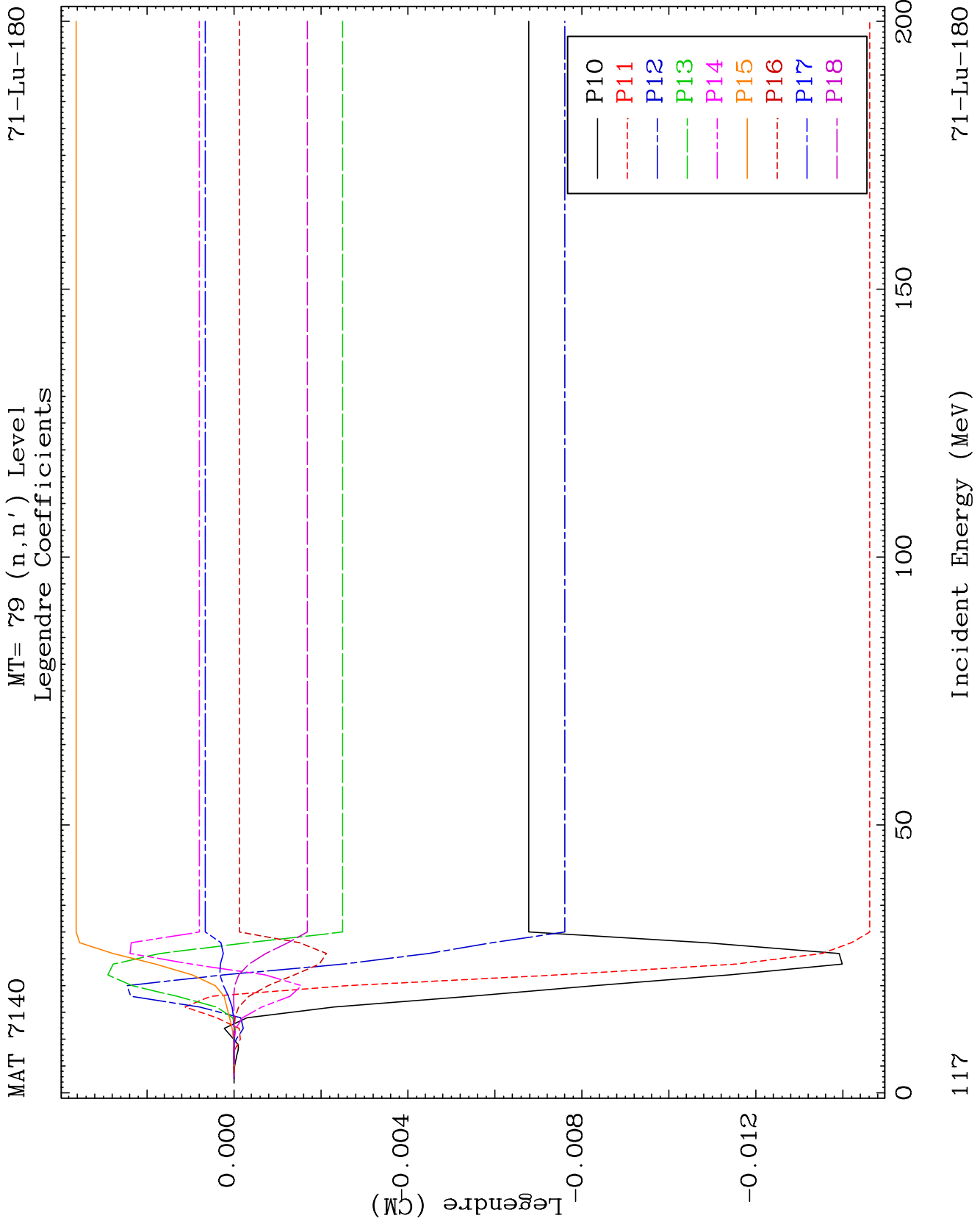
111







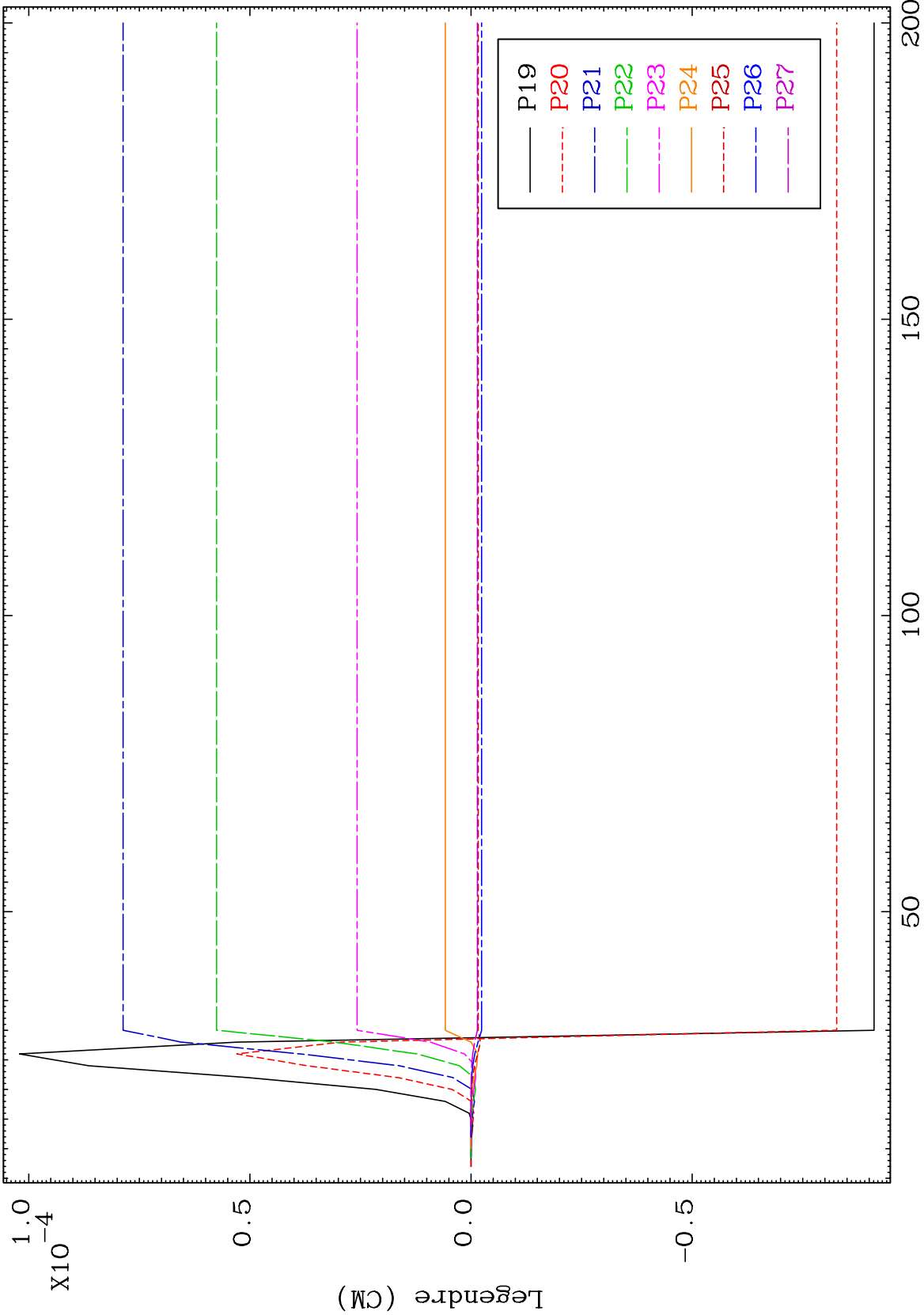




MAT 7140

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

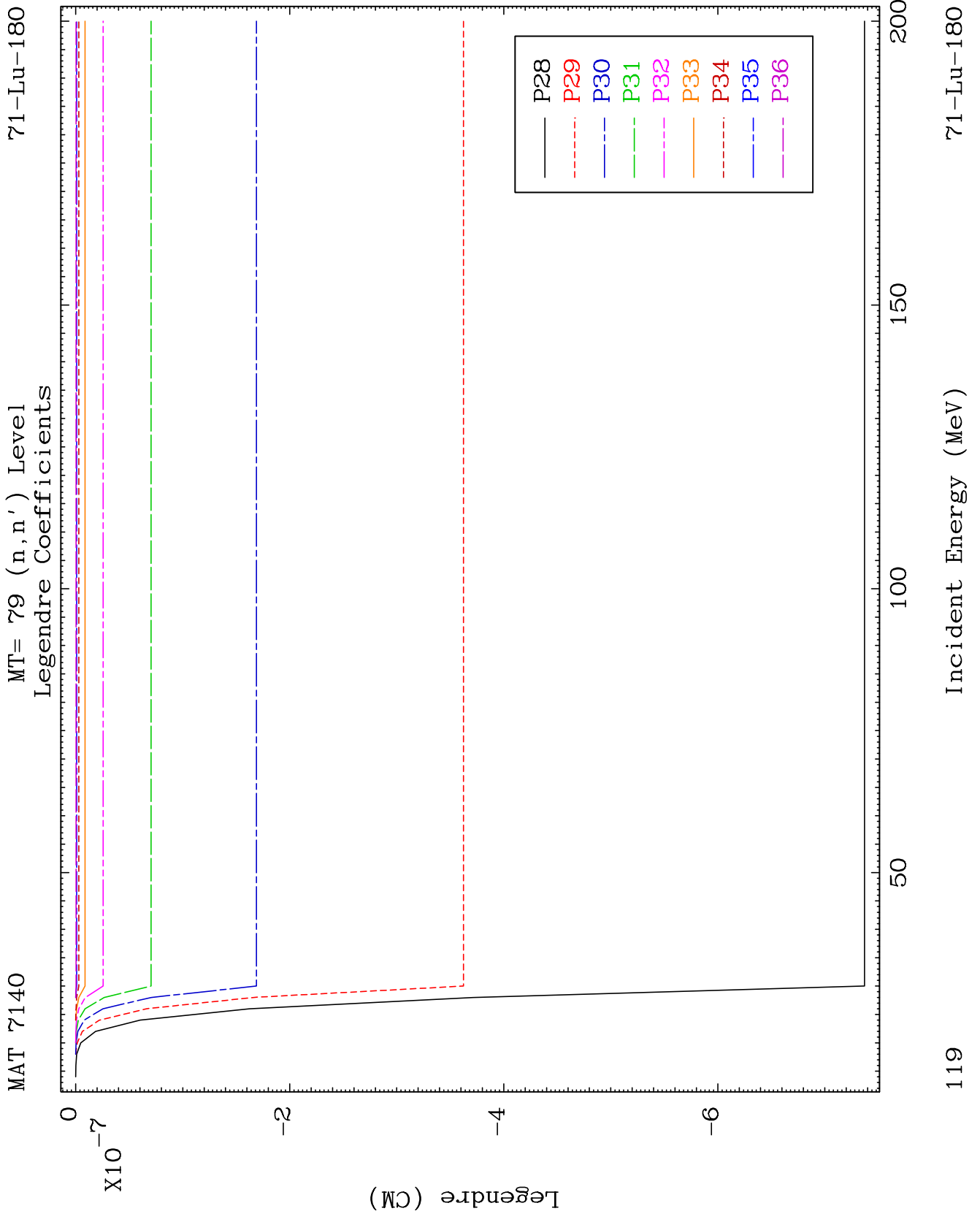
71-Lu-180



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Incident Energy (MeV)

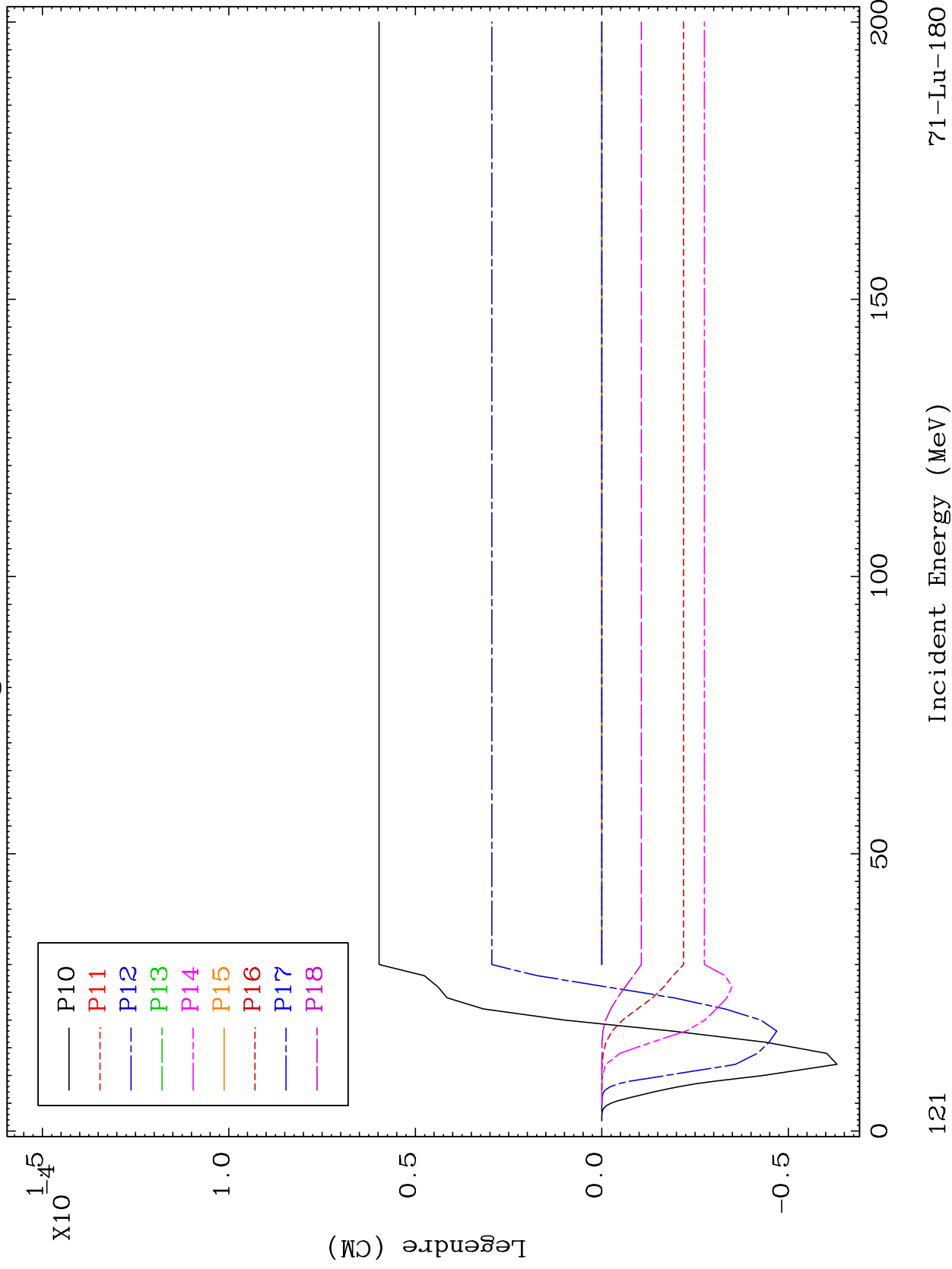
71-Lu-180



MAT 7140

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

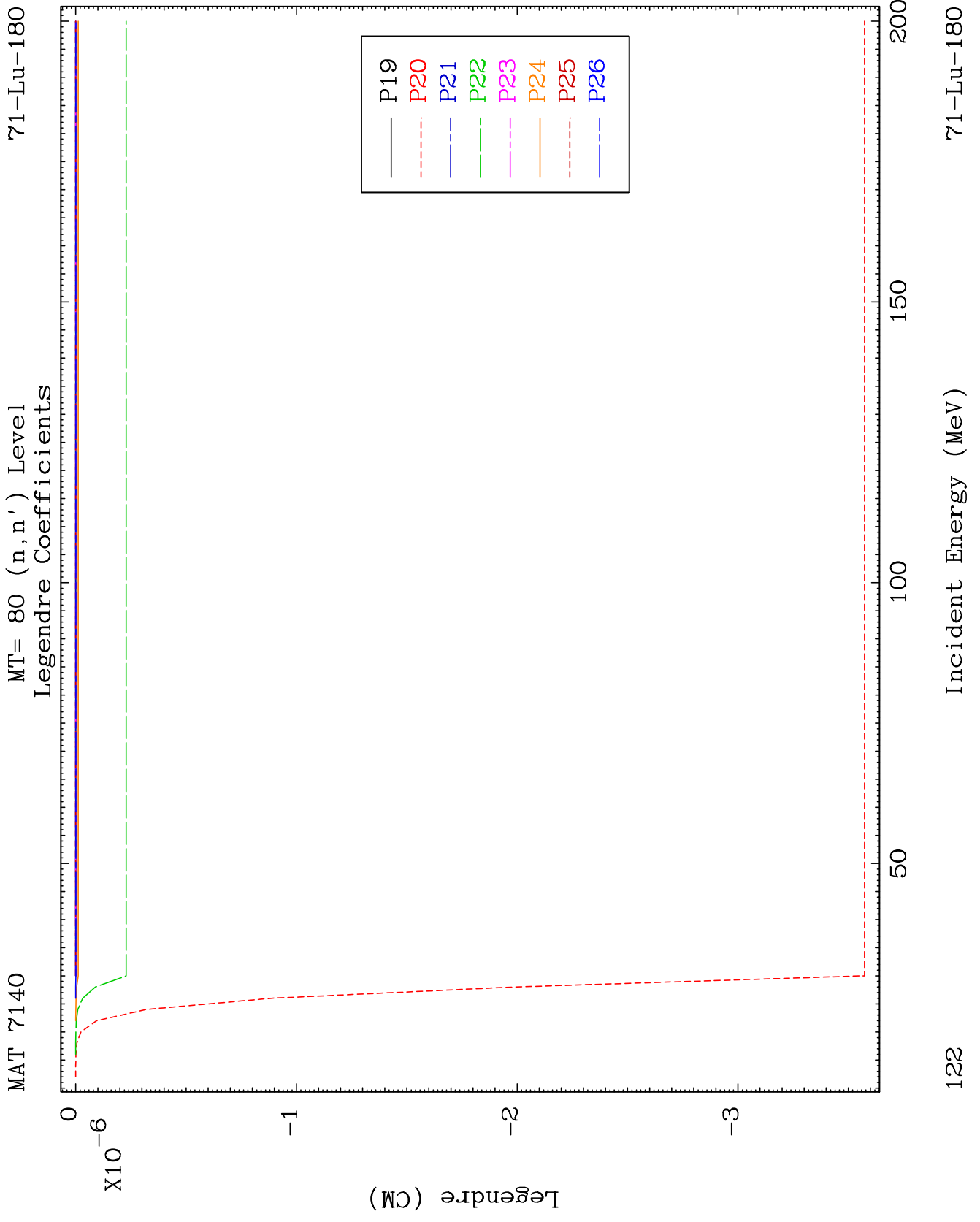
71-Lu-180



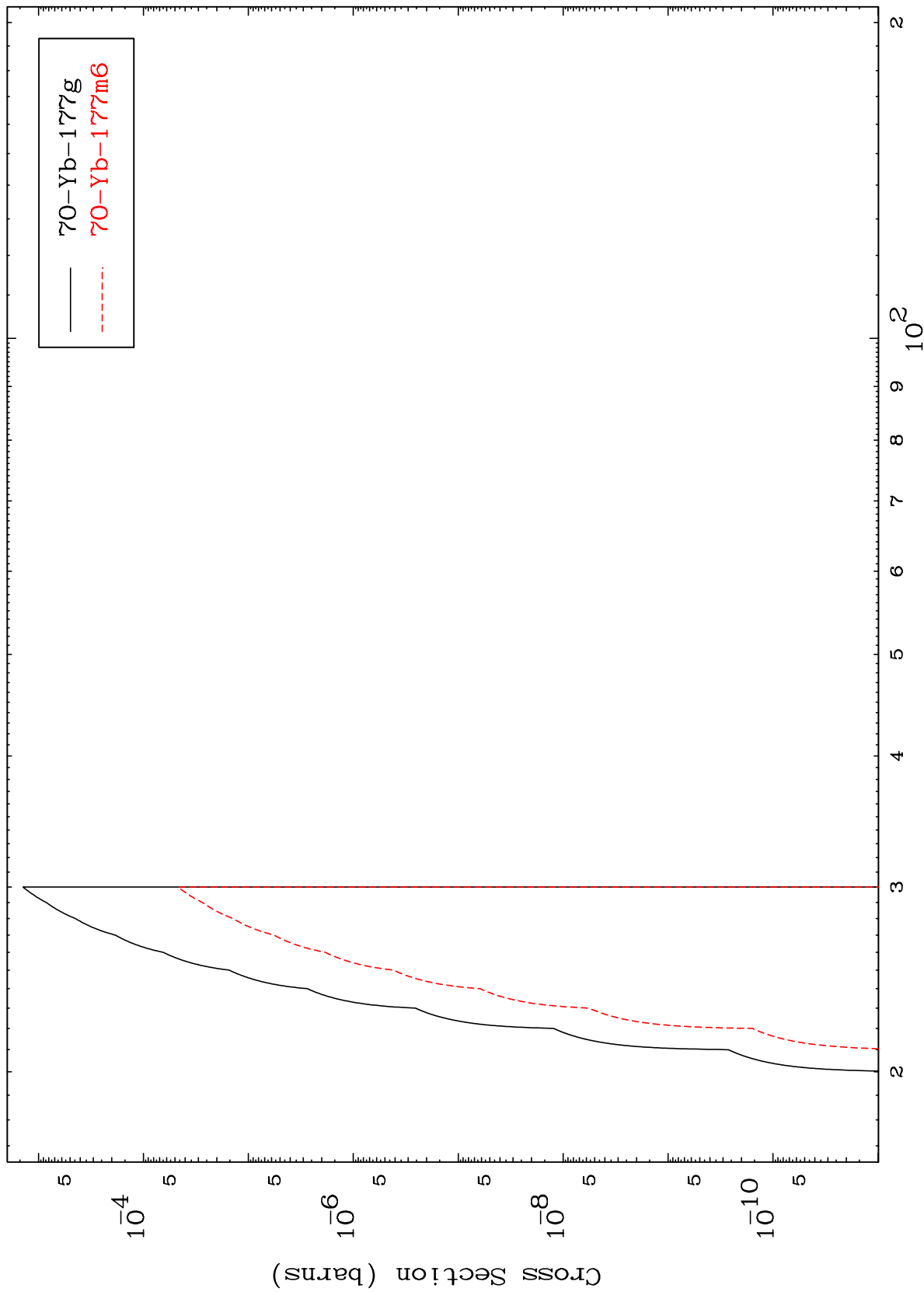
71-Lu-180

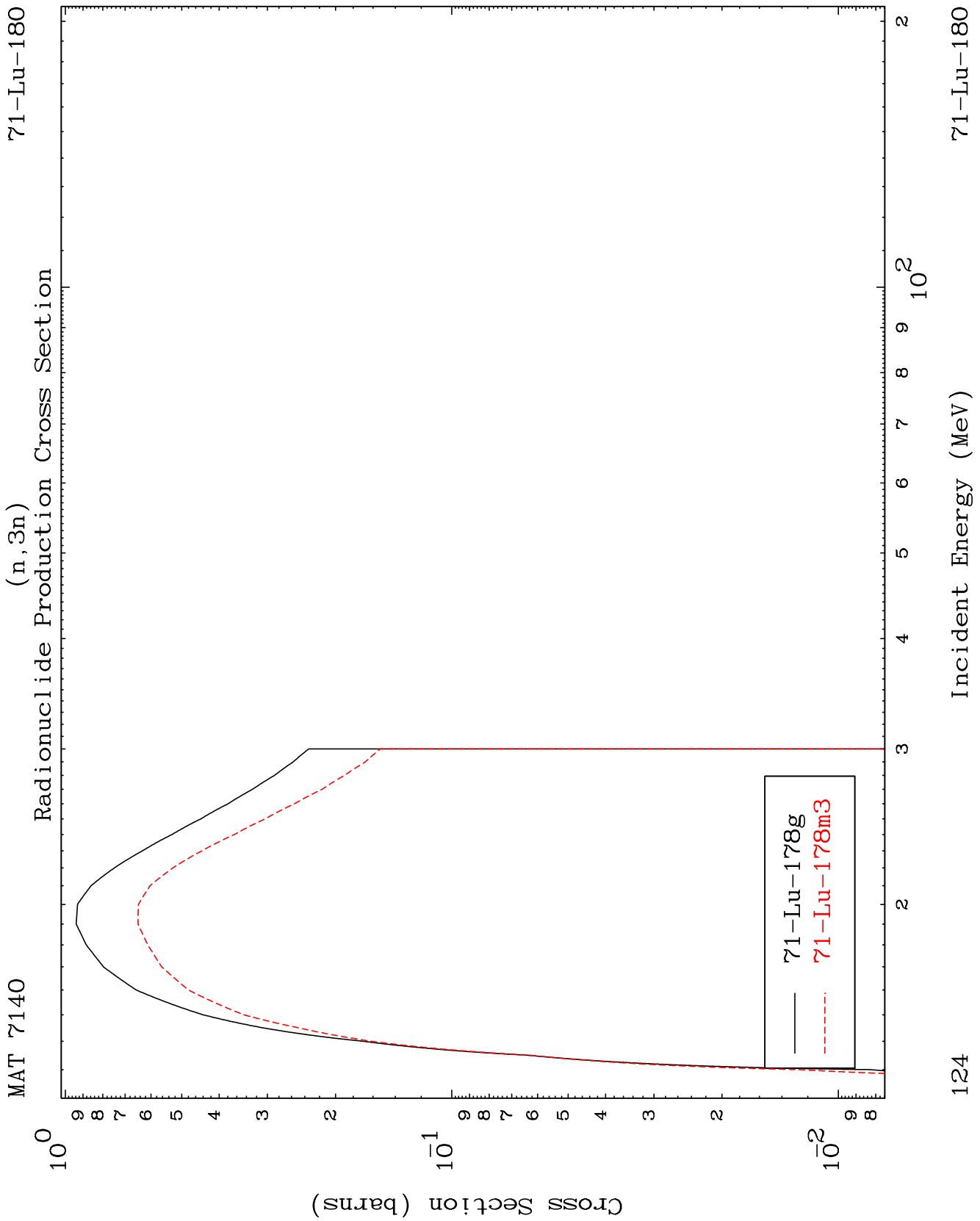
Incident Energy (MeV)

121



Radionuclide Production Cross Section



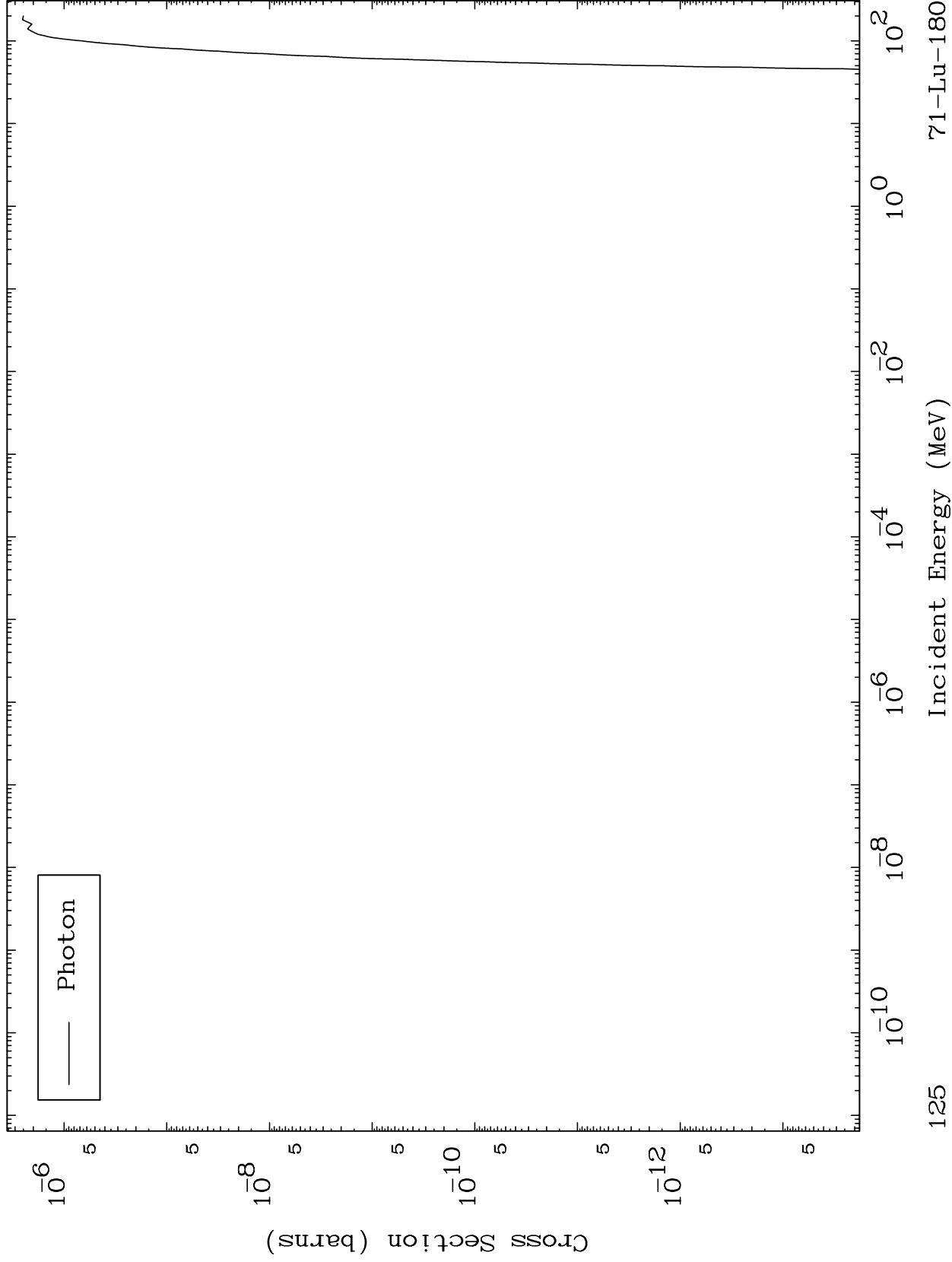


MAT 7140

Fission

71-Lu-180

Radionuclide Production Cross Section

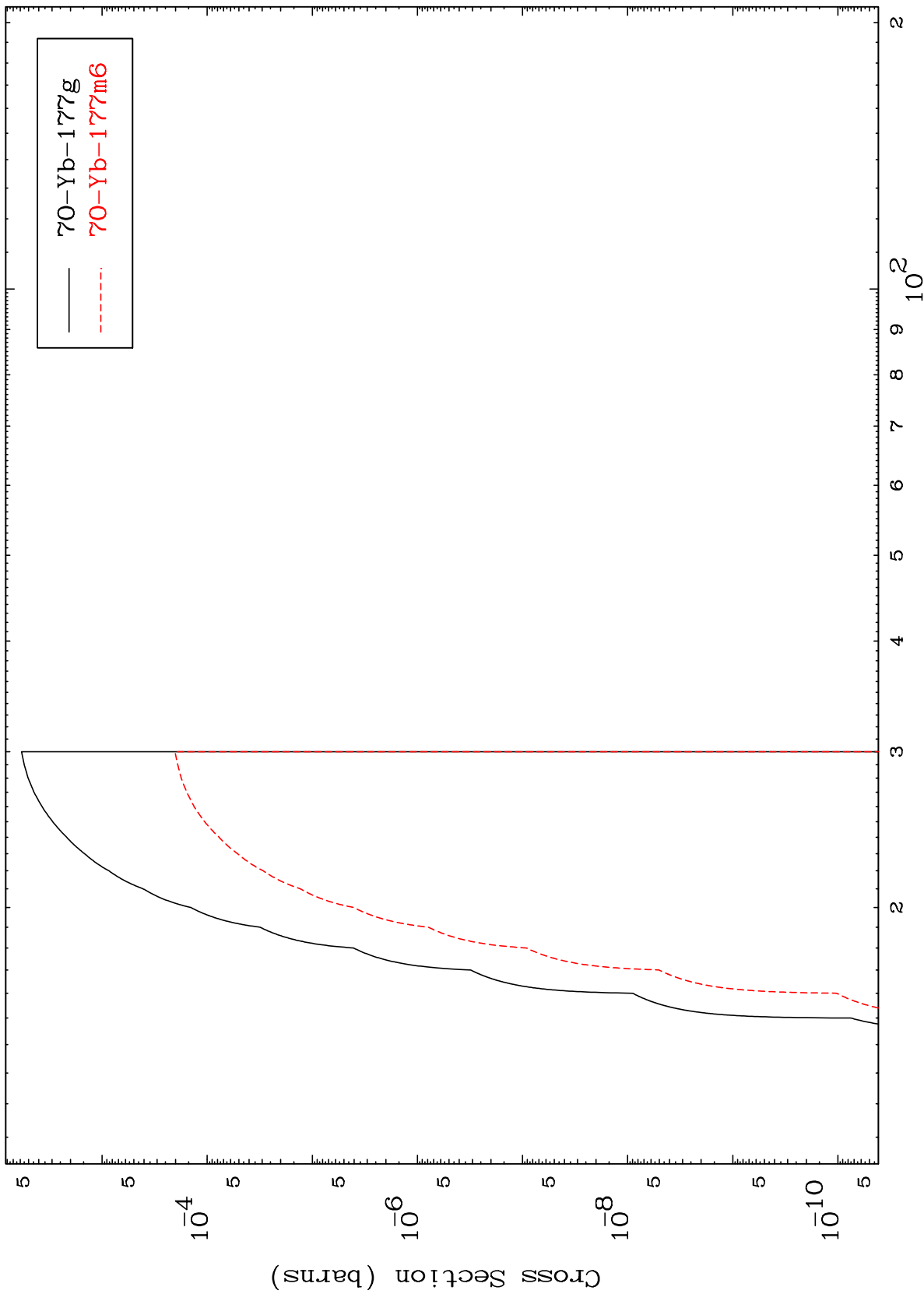


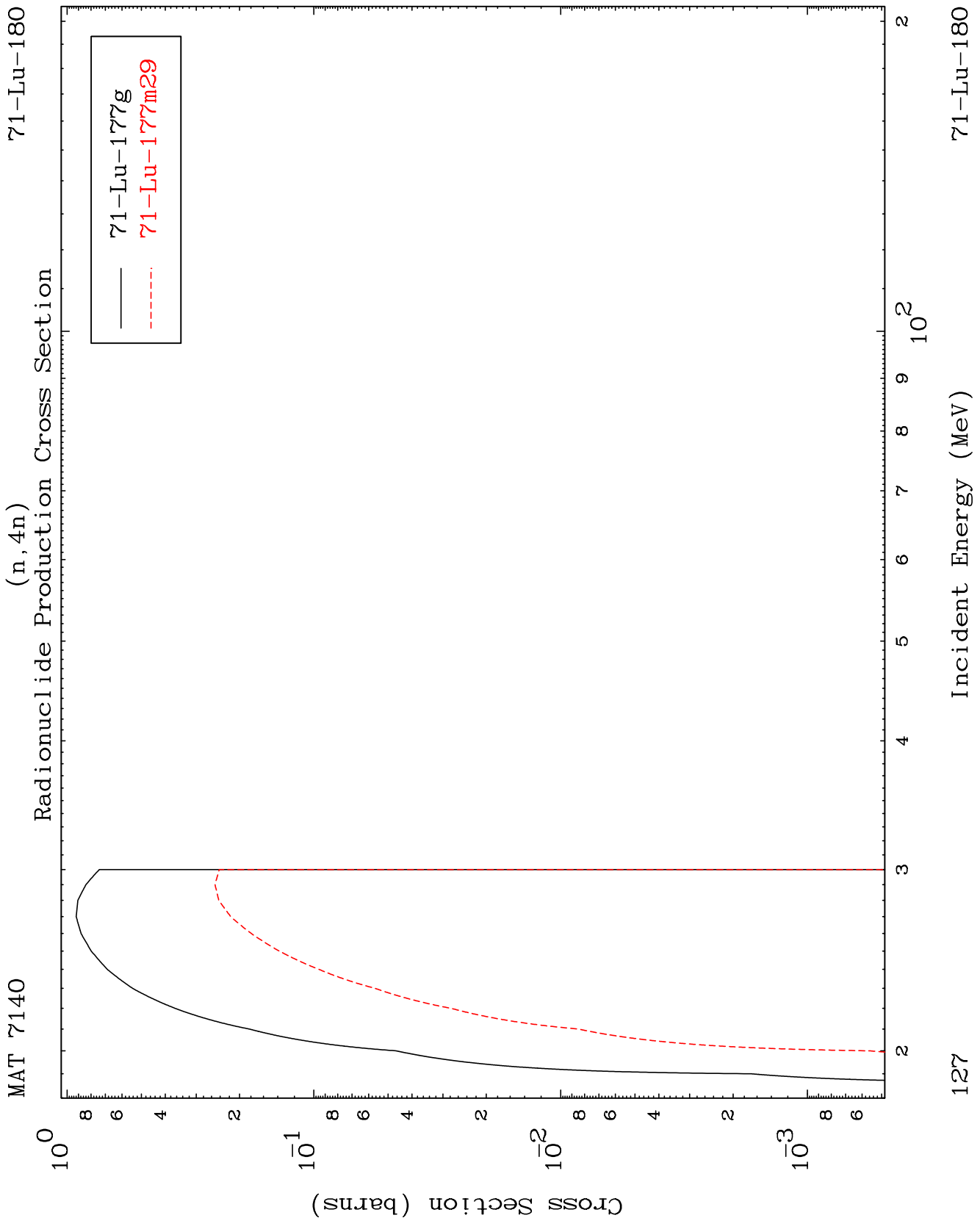
125

Incident Energy (MeV)

71-Lu-180

Radionuclide Production Cross Section



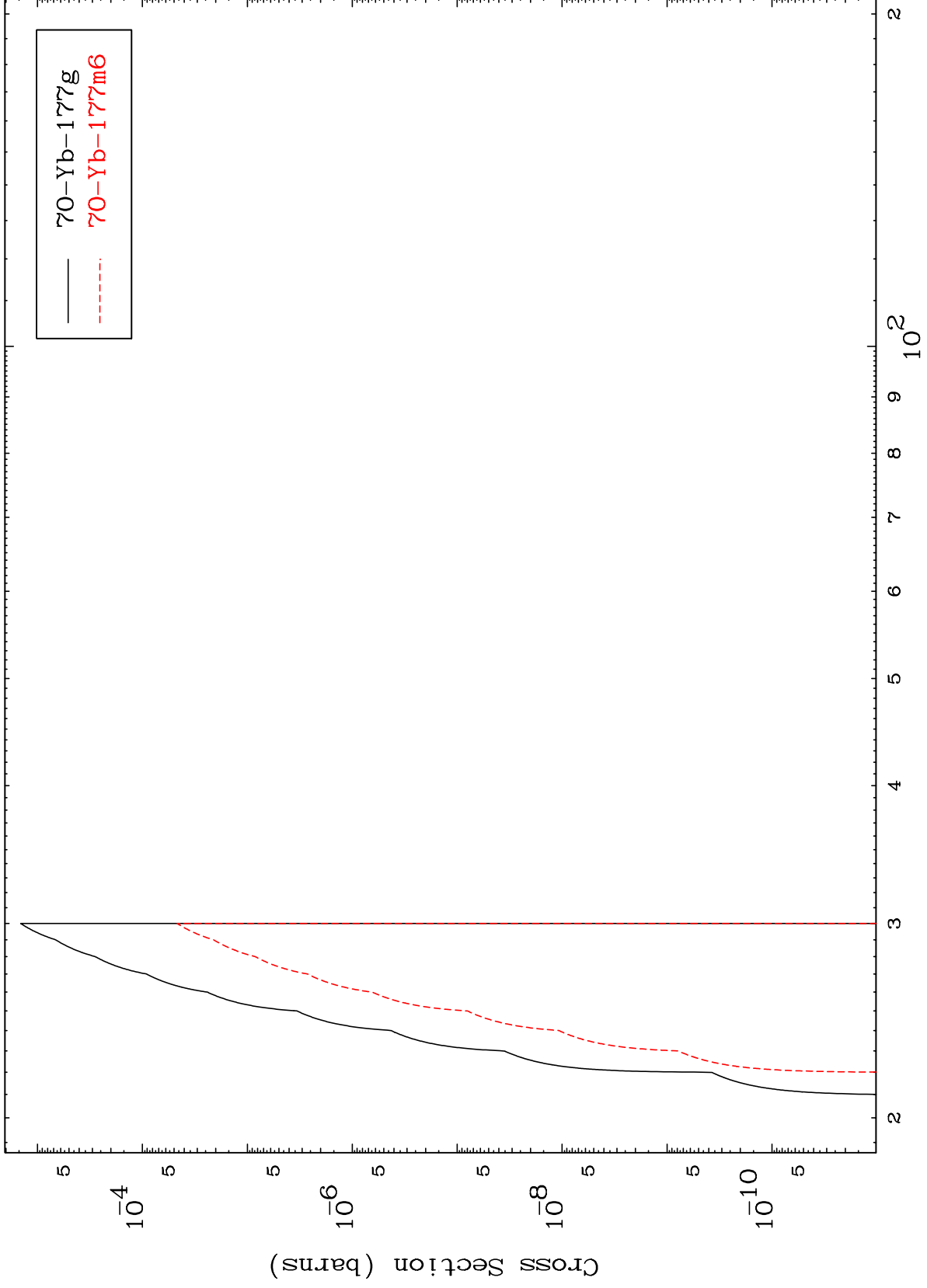


MAT 7140

(n,3n) p

71-Lu-180

Radionuclide Production Cross Section



128

Incident Energy (MeV)

71-Lu-180