

Program EVALPLOT
(Version 2018-1)

by

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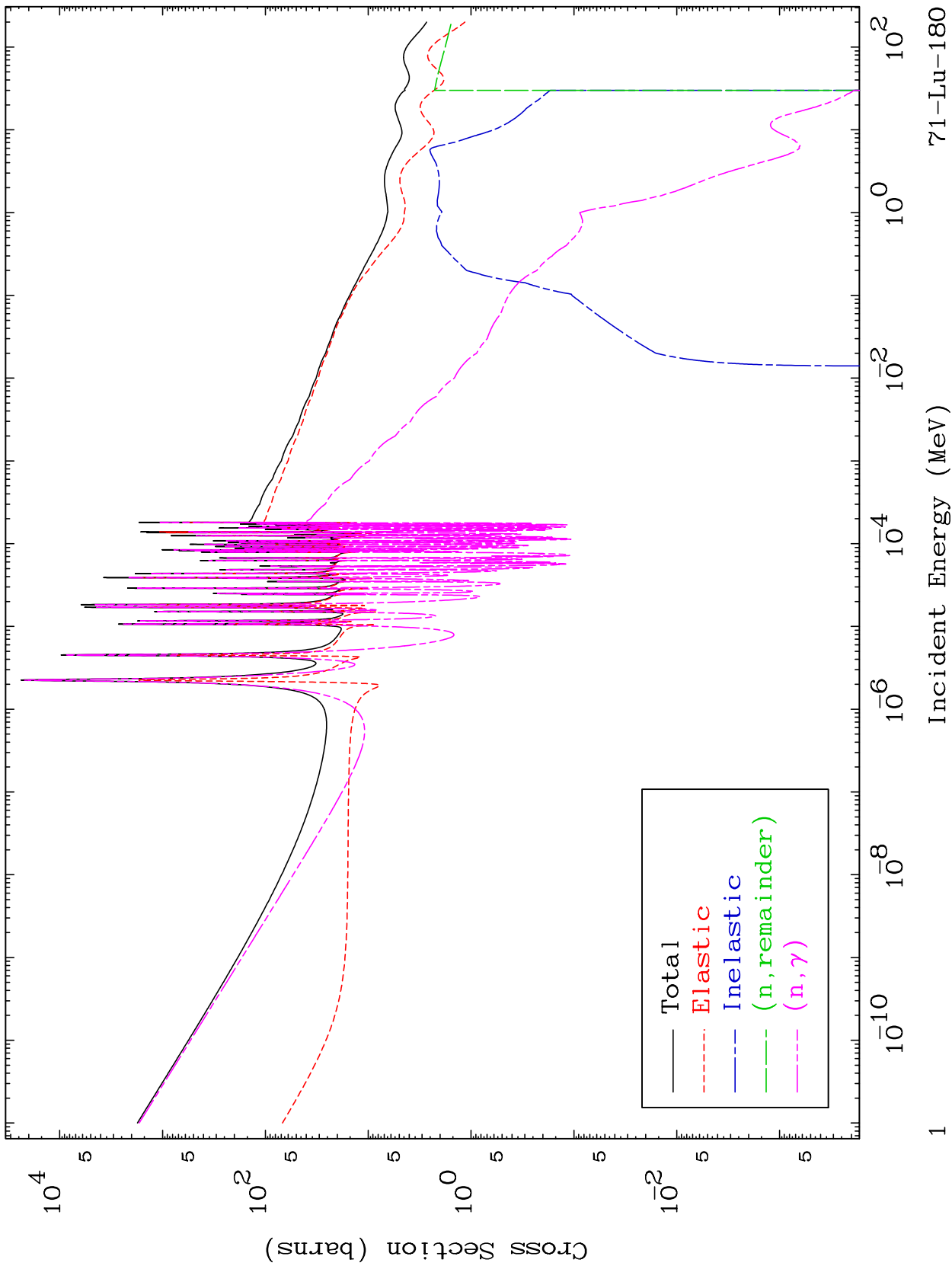
Press Mouse Button to Start

MAT 7140

Major

293 Kelvin Cross Sections

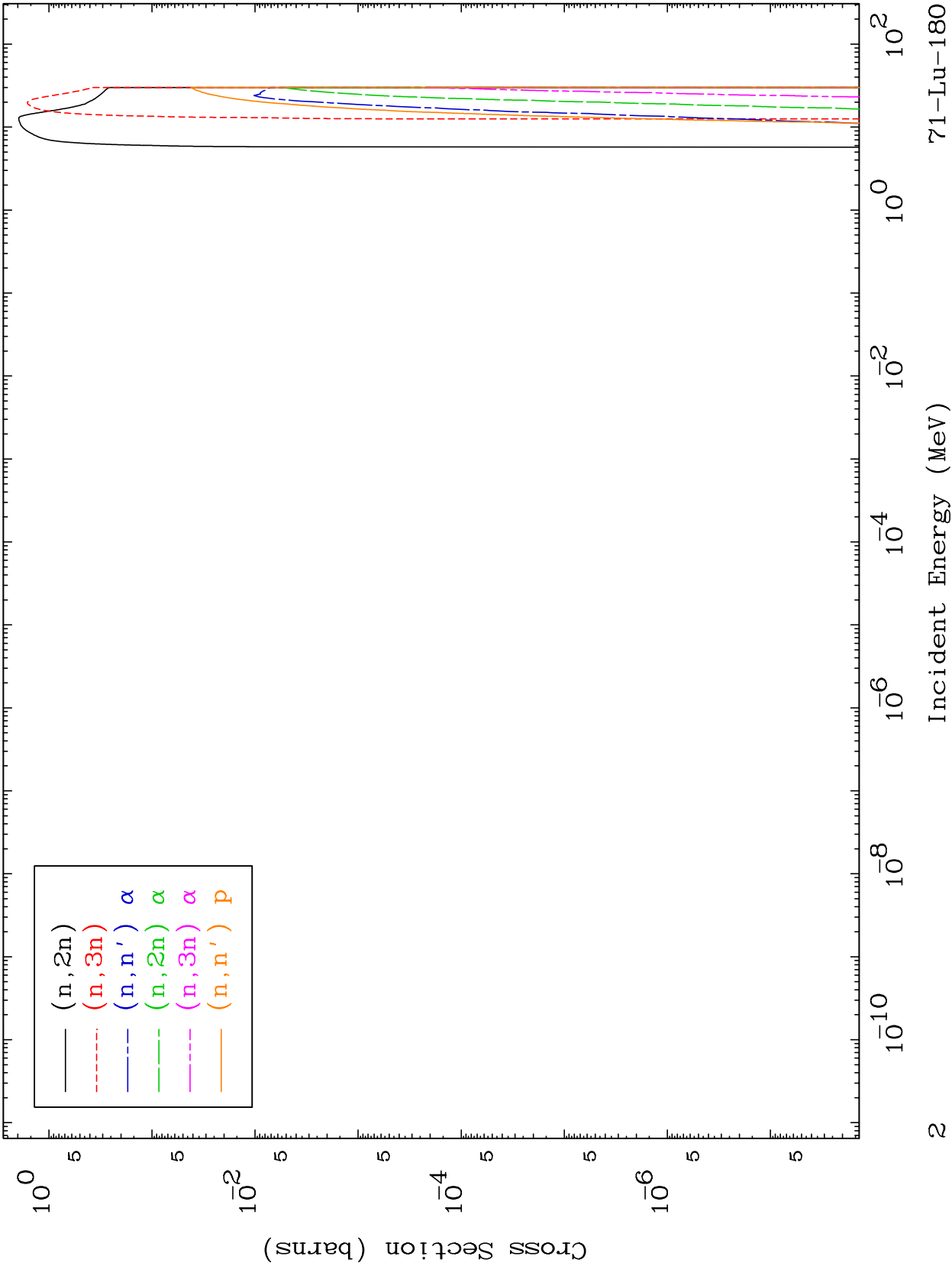
71-Lu-180



MAT 7140

Neutron Production
293 Kelvin Cross Sections

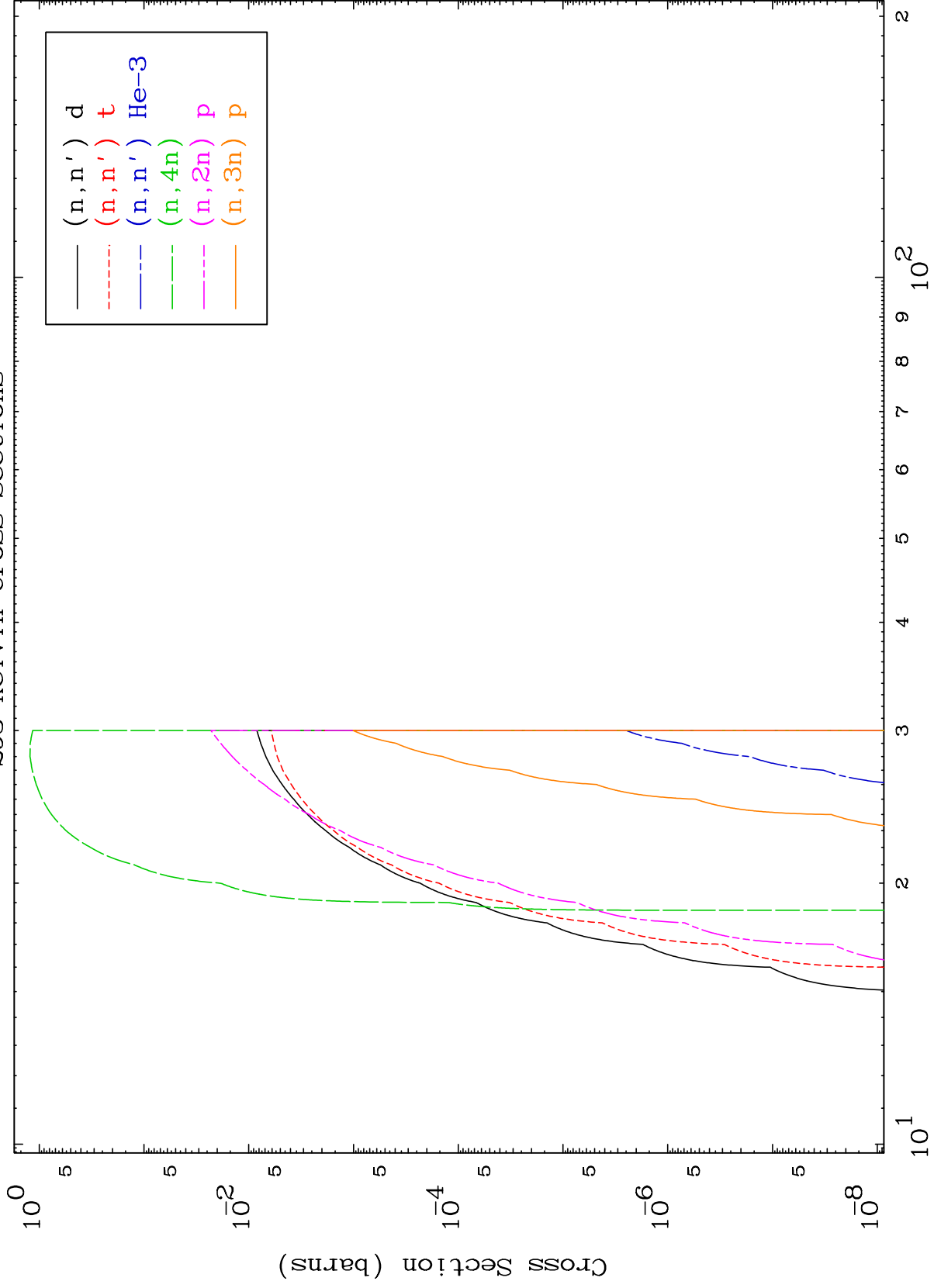
71-Lu-180



MAT 7140

Neutron Production
293 Kelvin Cross Sections

71-Lu-180



71-Lu-180

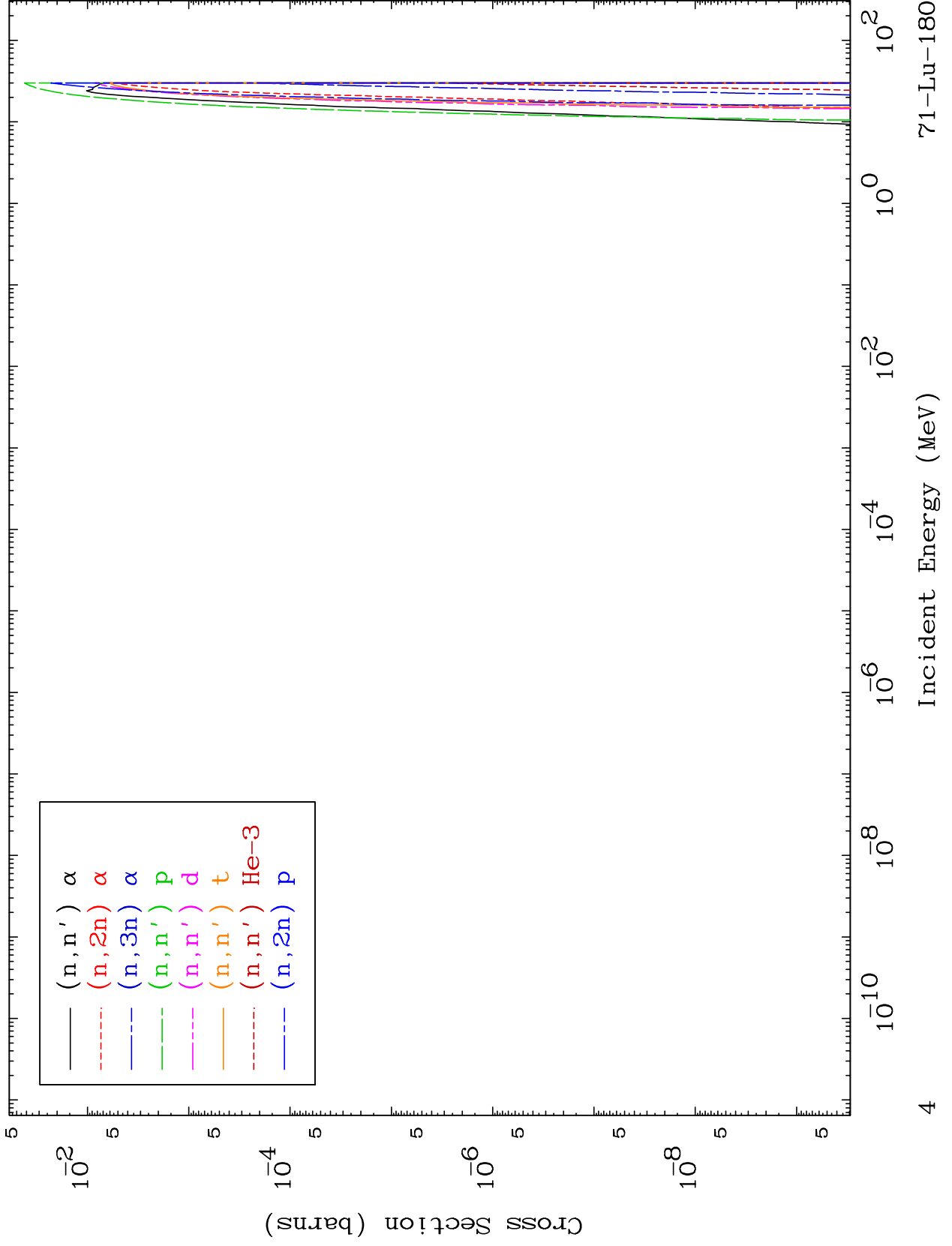
Incident Energy (MeV)

3

MAT 7140

Charged Particle
293 Kelvin Cross Sections

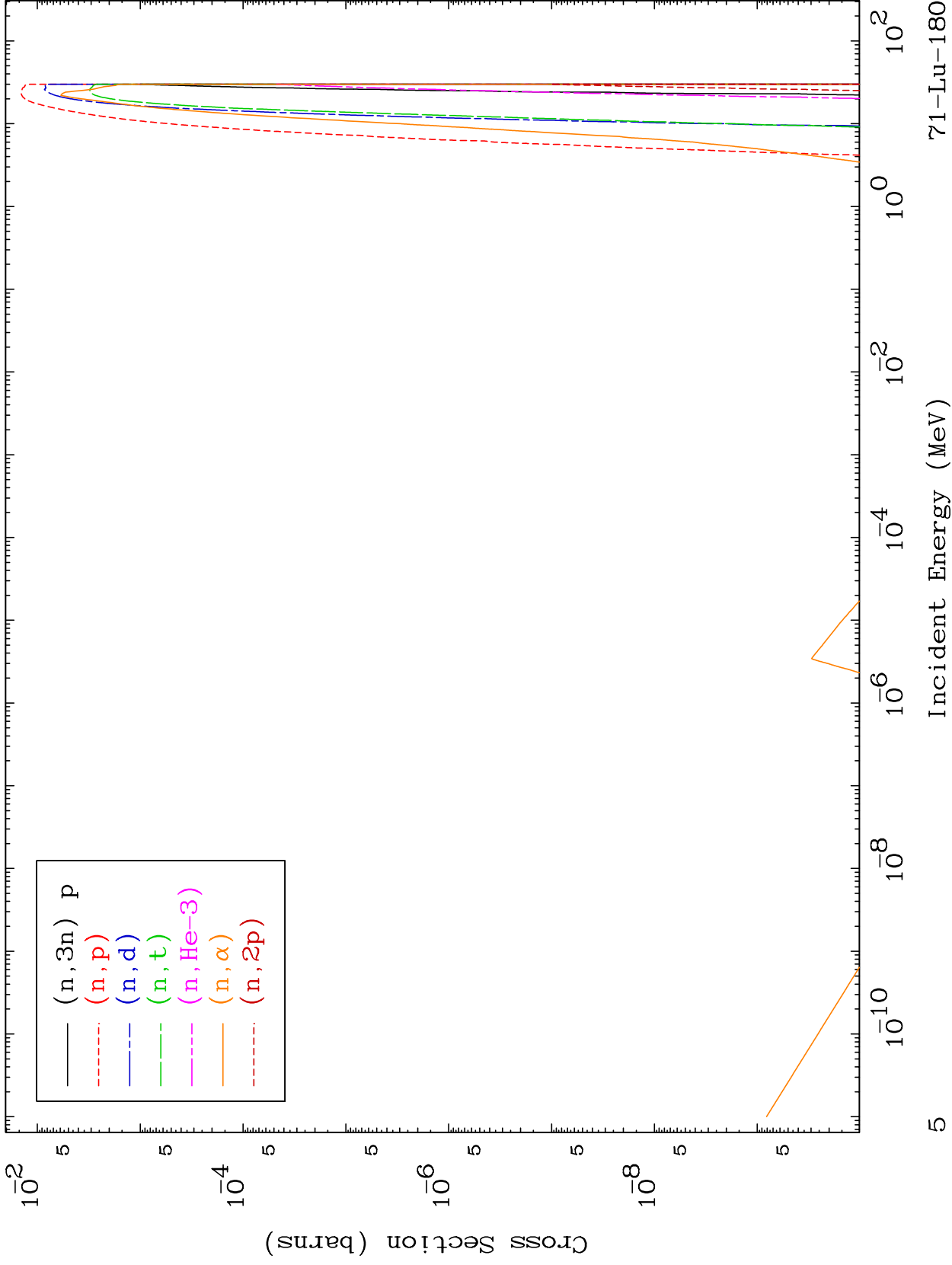
71-Lu-180



MAT 7140

Charged Particle
293 Kelvin Cross Sections

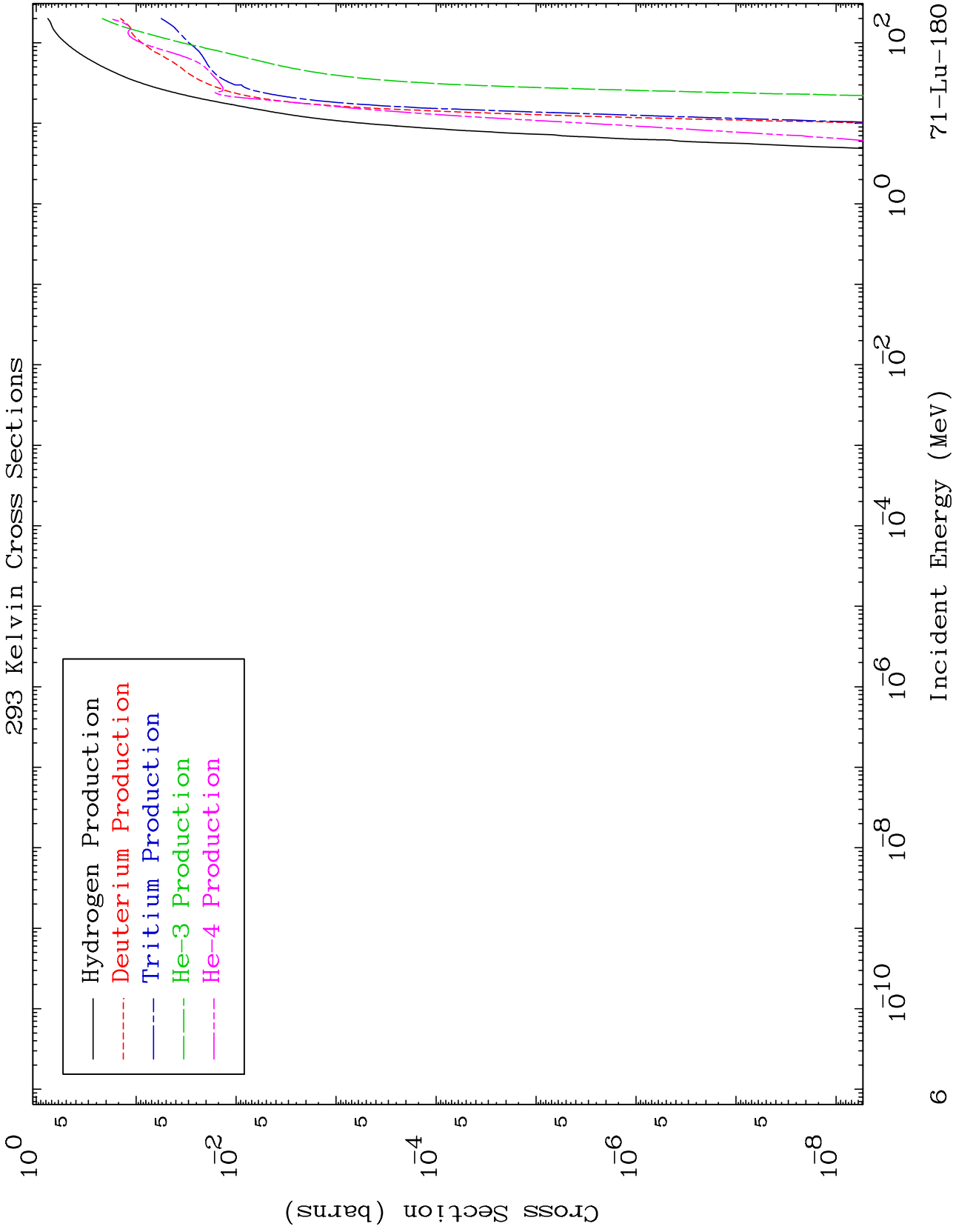
71-Lu-180

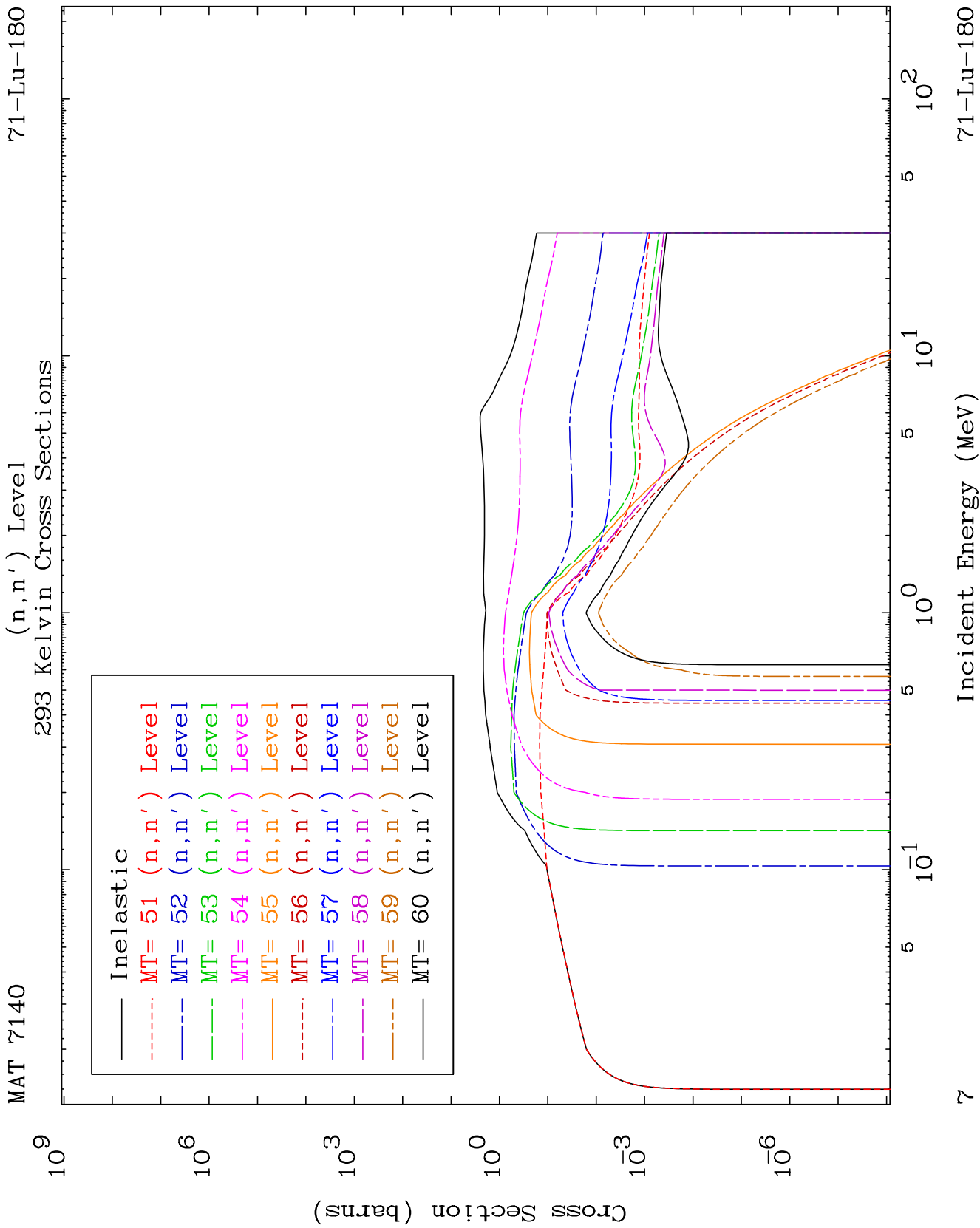


MAT 7140

Particle Production
293 Kelvin Cross Sections

71-Lu-180



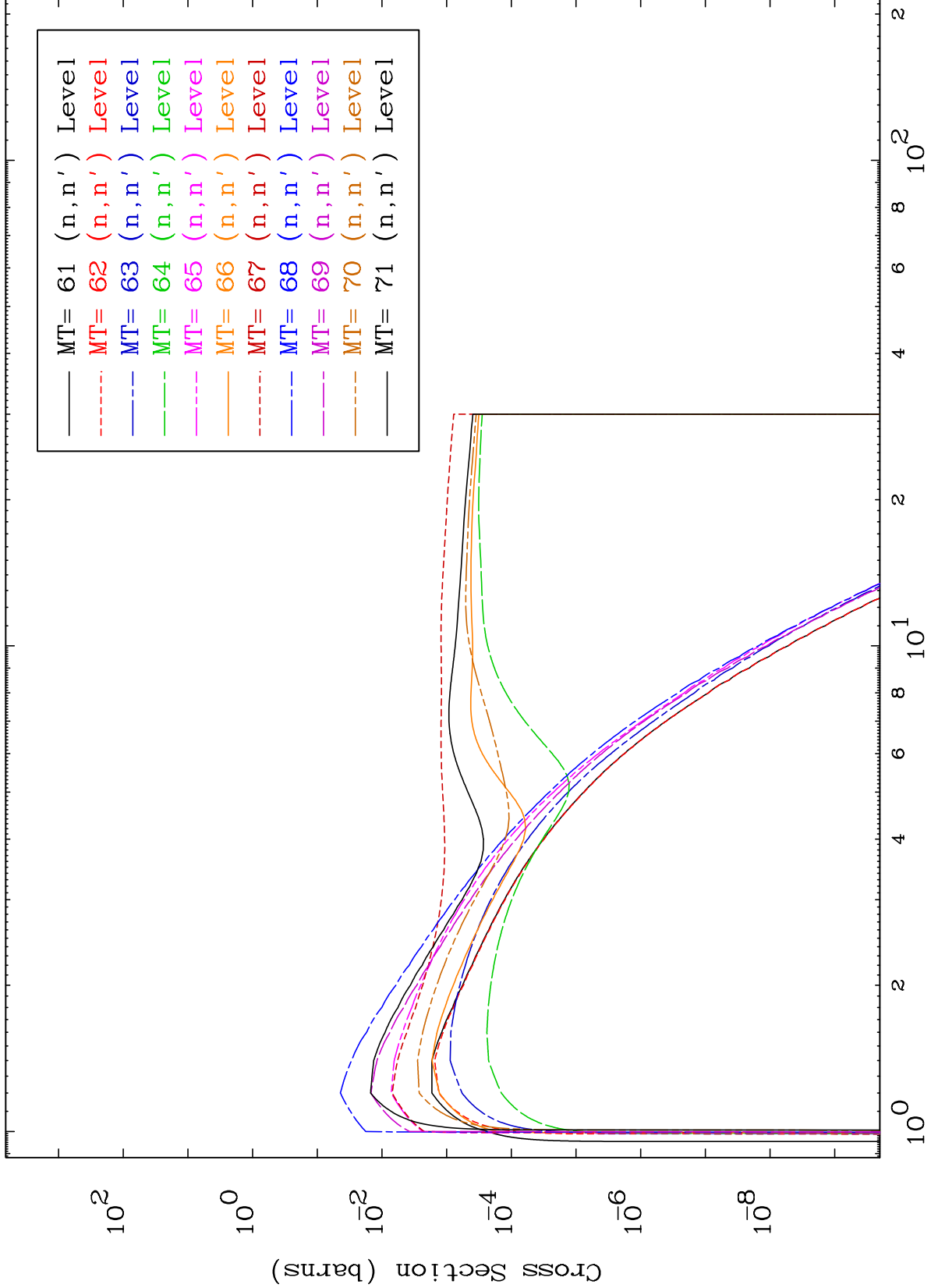


MAT 7140

(n,n') Level

71-Lu-180

293 Kelvin Cross Sections



Incident Energy (MeV)

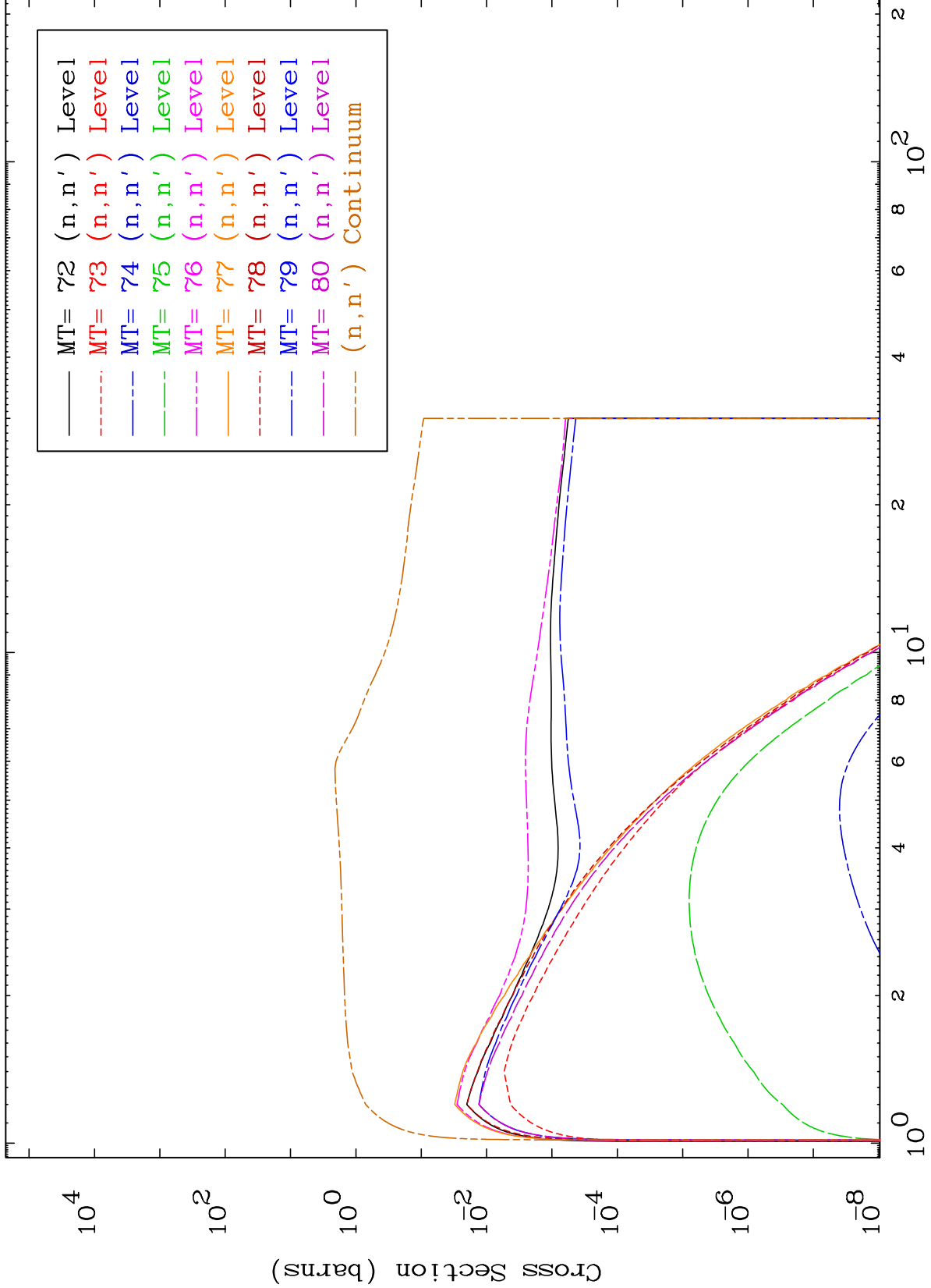
71-Lu-180

MAT 7140

(n,n') Level

71-Lu-180

293 Kelvin Cross Sections



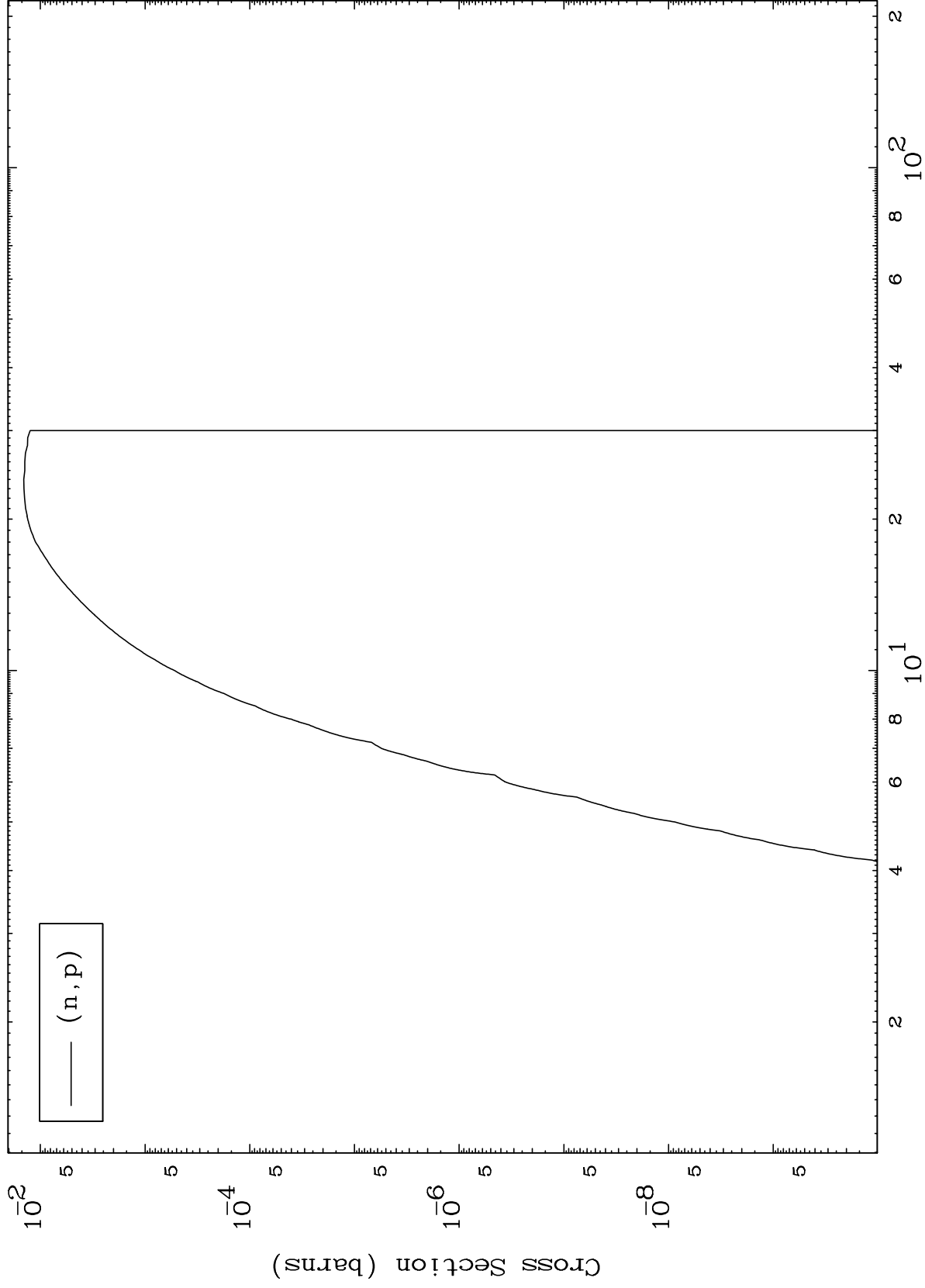
Incident Energy (MeV)

71-Lu-180

MAT 7140

(n,p) Levels
293 Kelvin Cross Sections

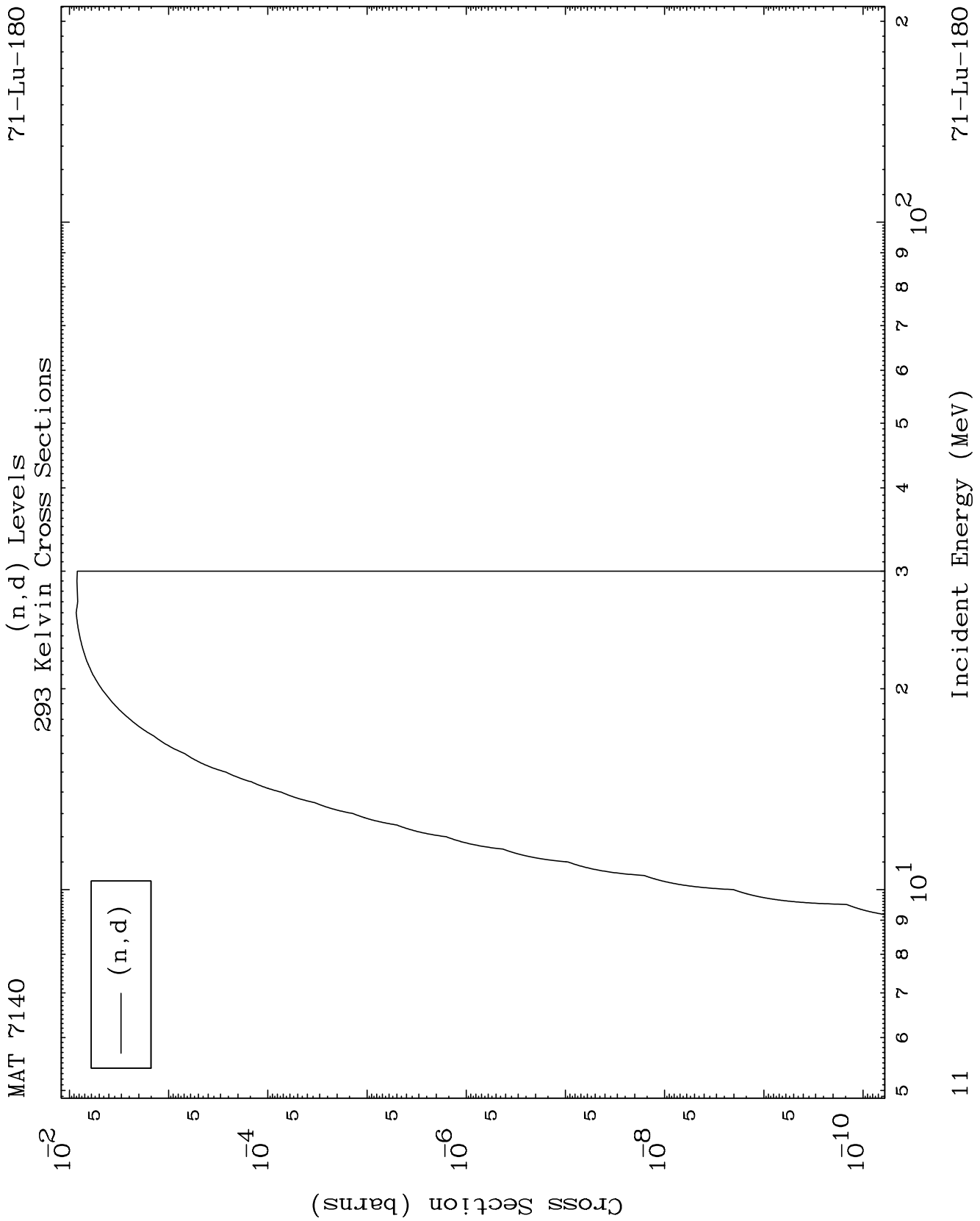
71-Lu-180



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Incident Energy (MeV)

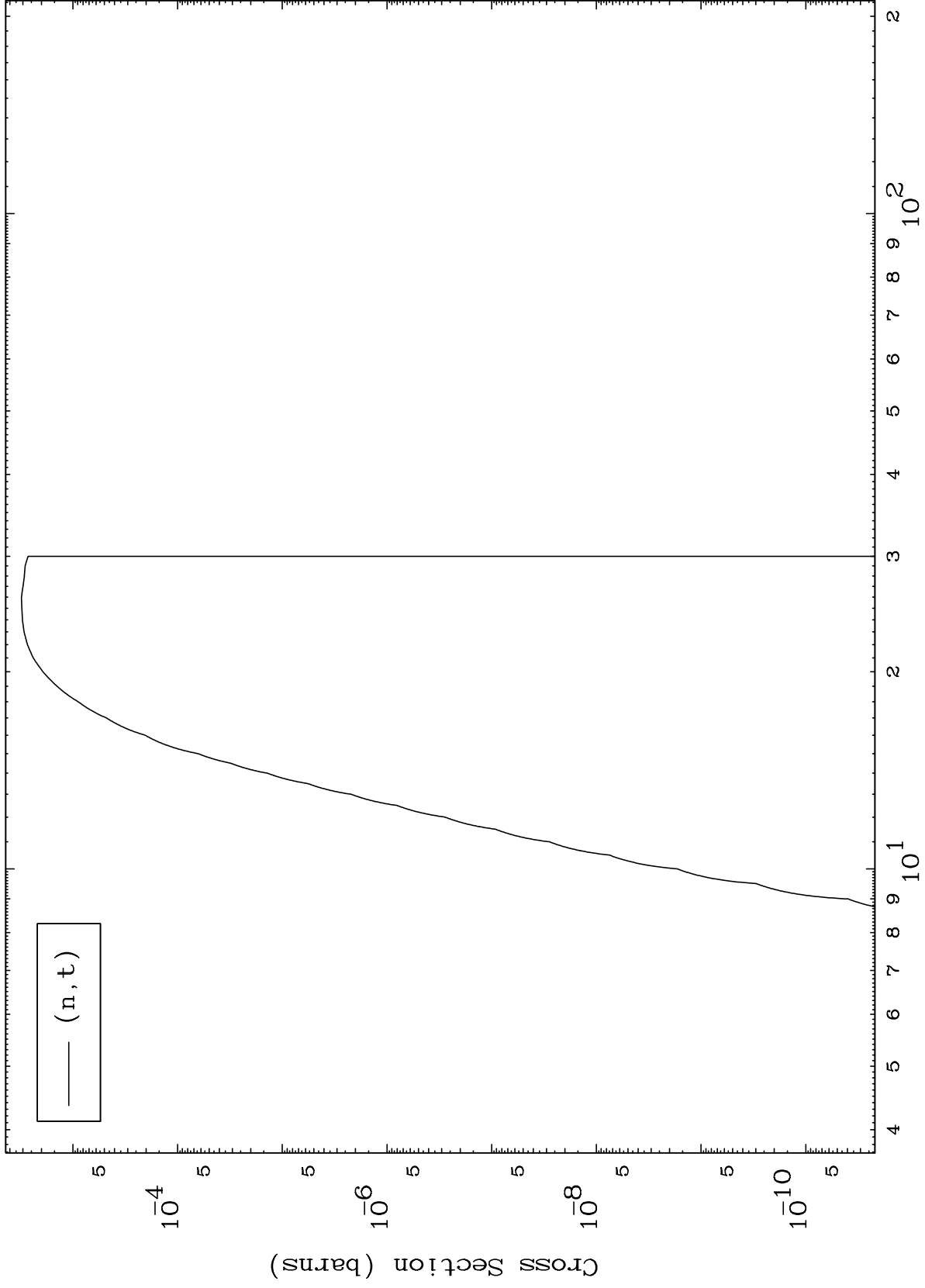
71-Lu-180



MAT 7140

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-180



12

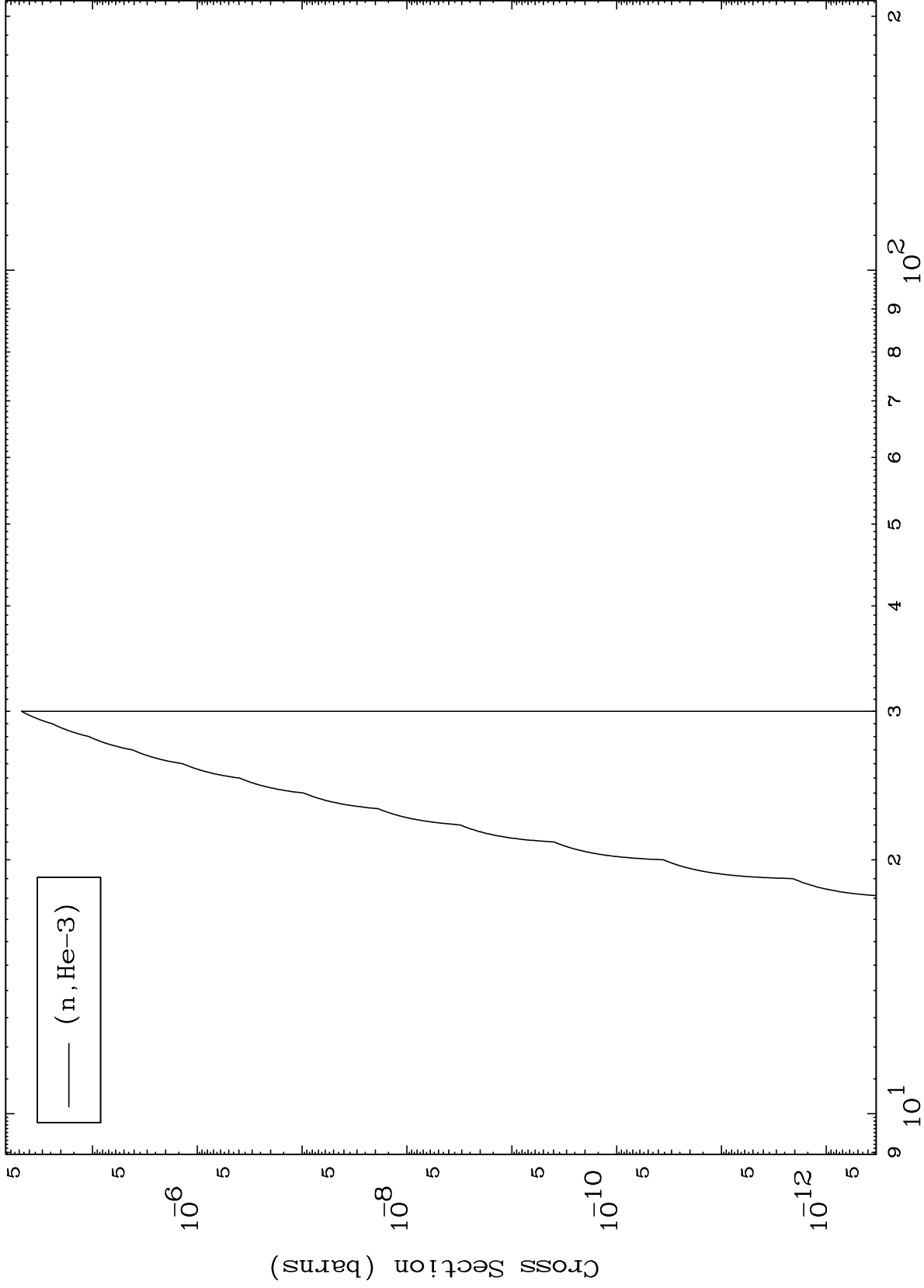
Incident Energy (MeV)

71-Lu-180

MAT 7140

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-180



13

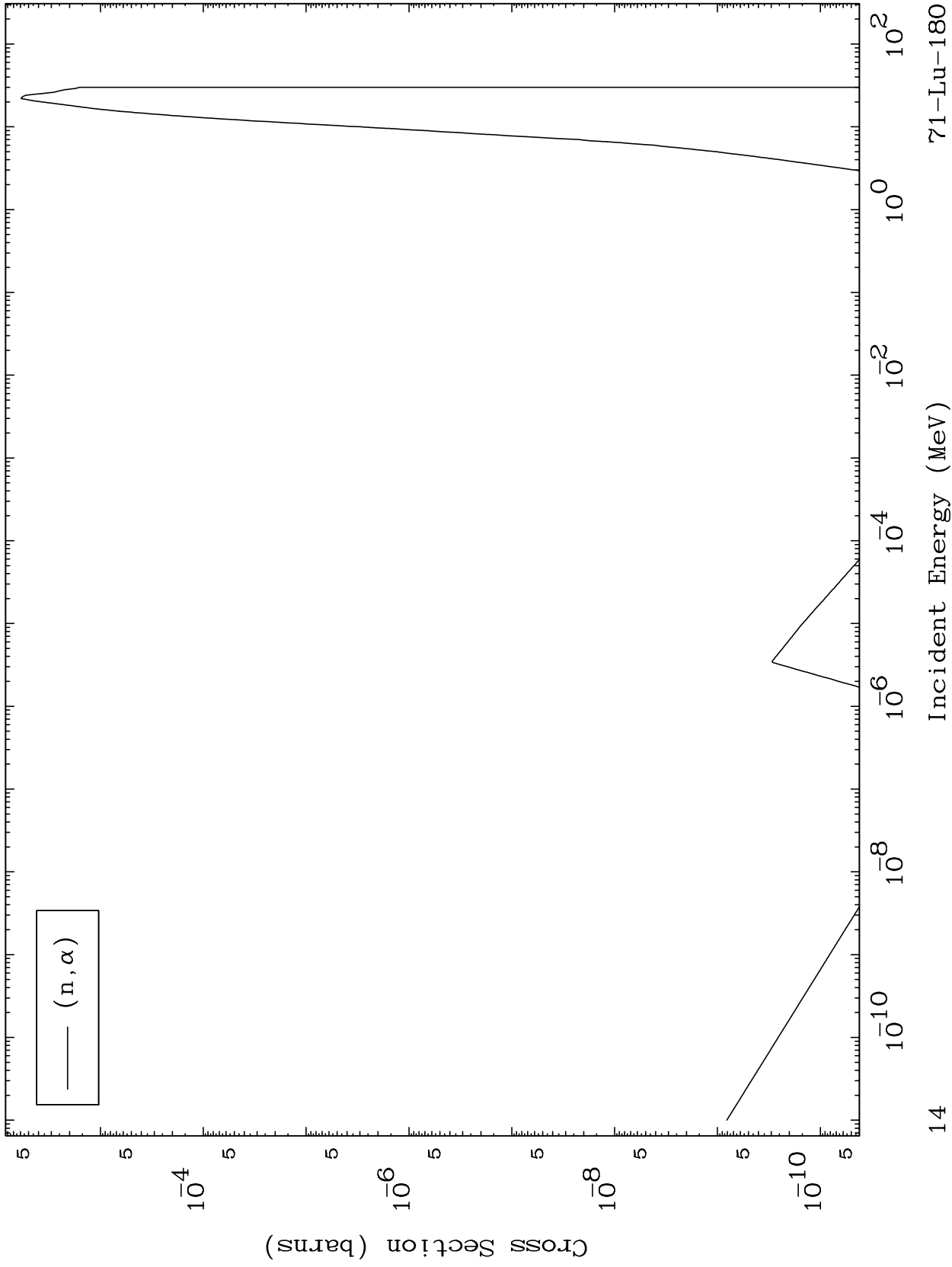
Incident Energy (MeV)

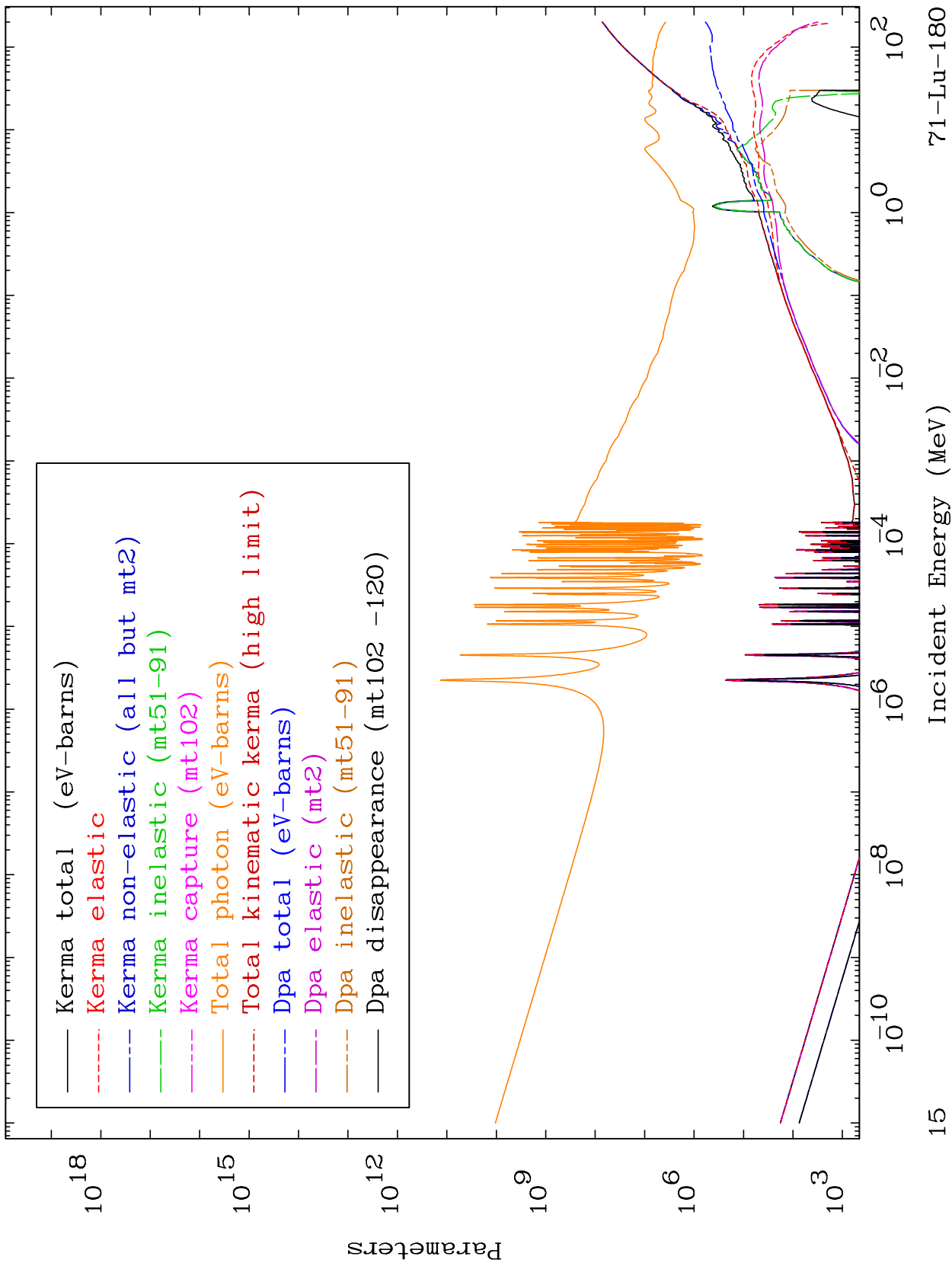
71-Lu-180

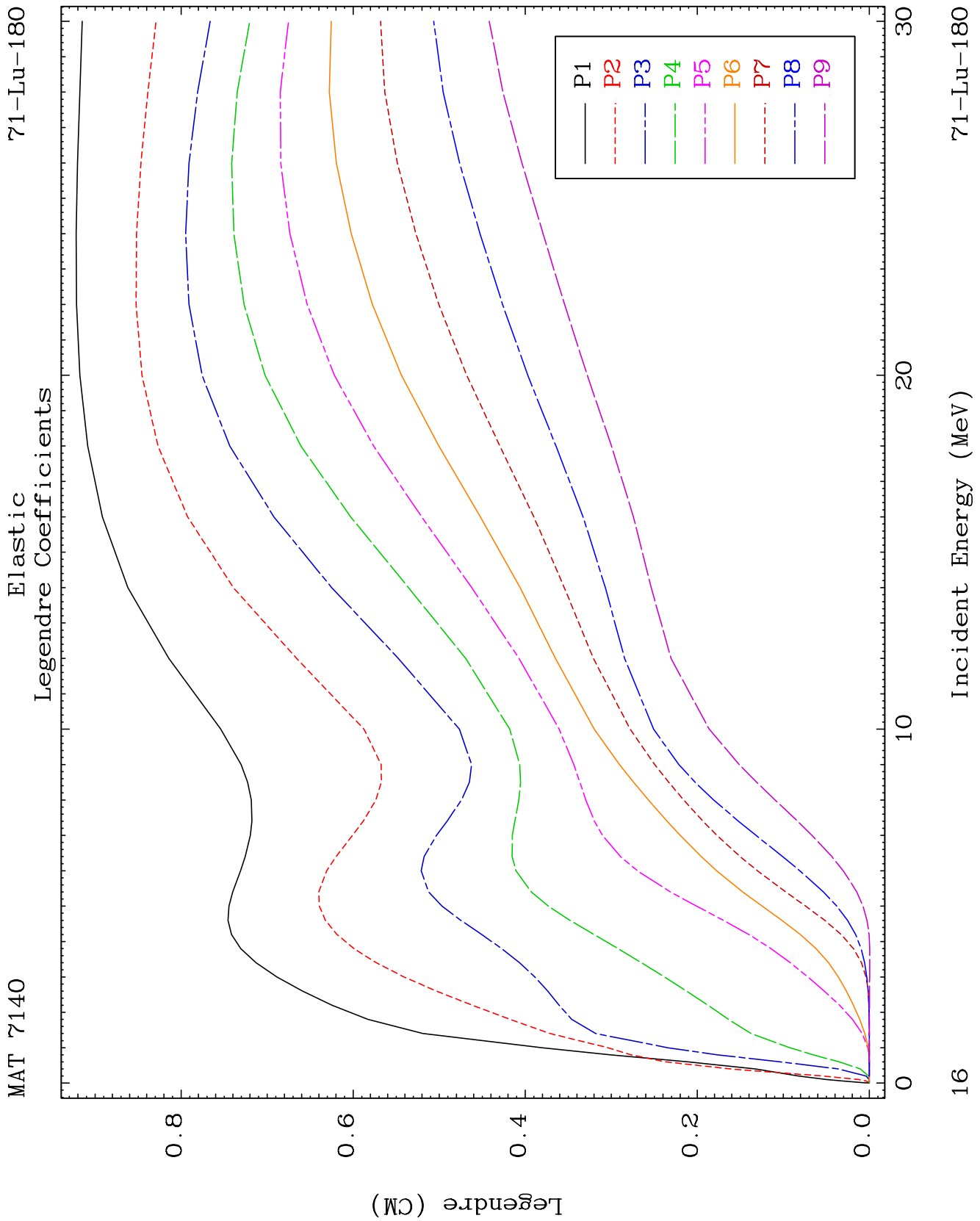
MAT 7140

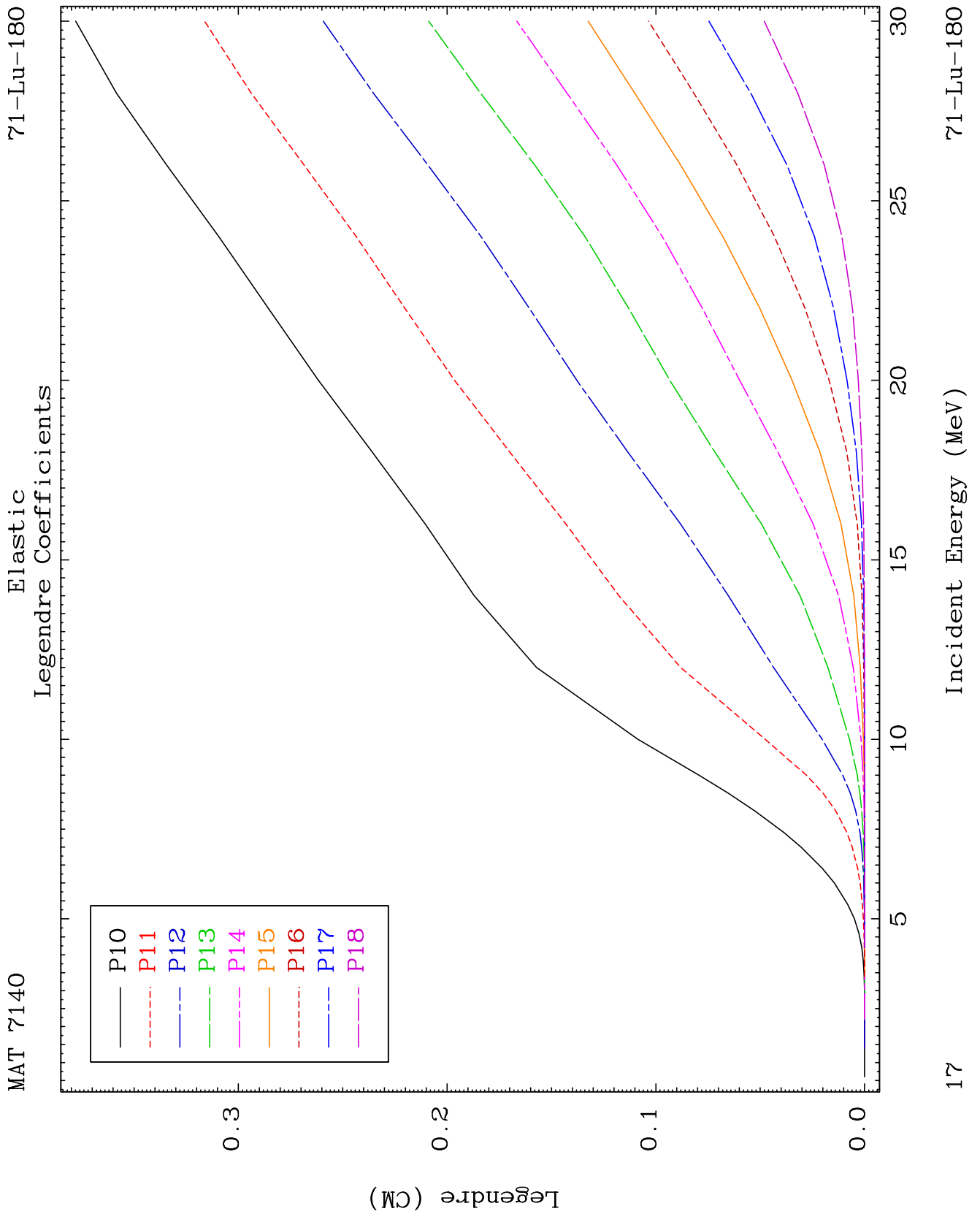
(n, α) Levels
293 Kelvin Cross Sections

71-Lu-180





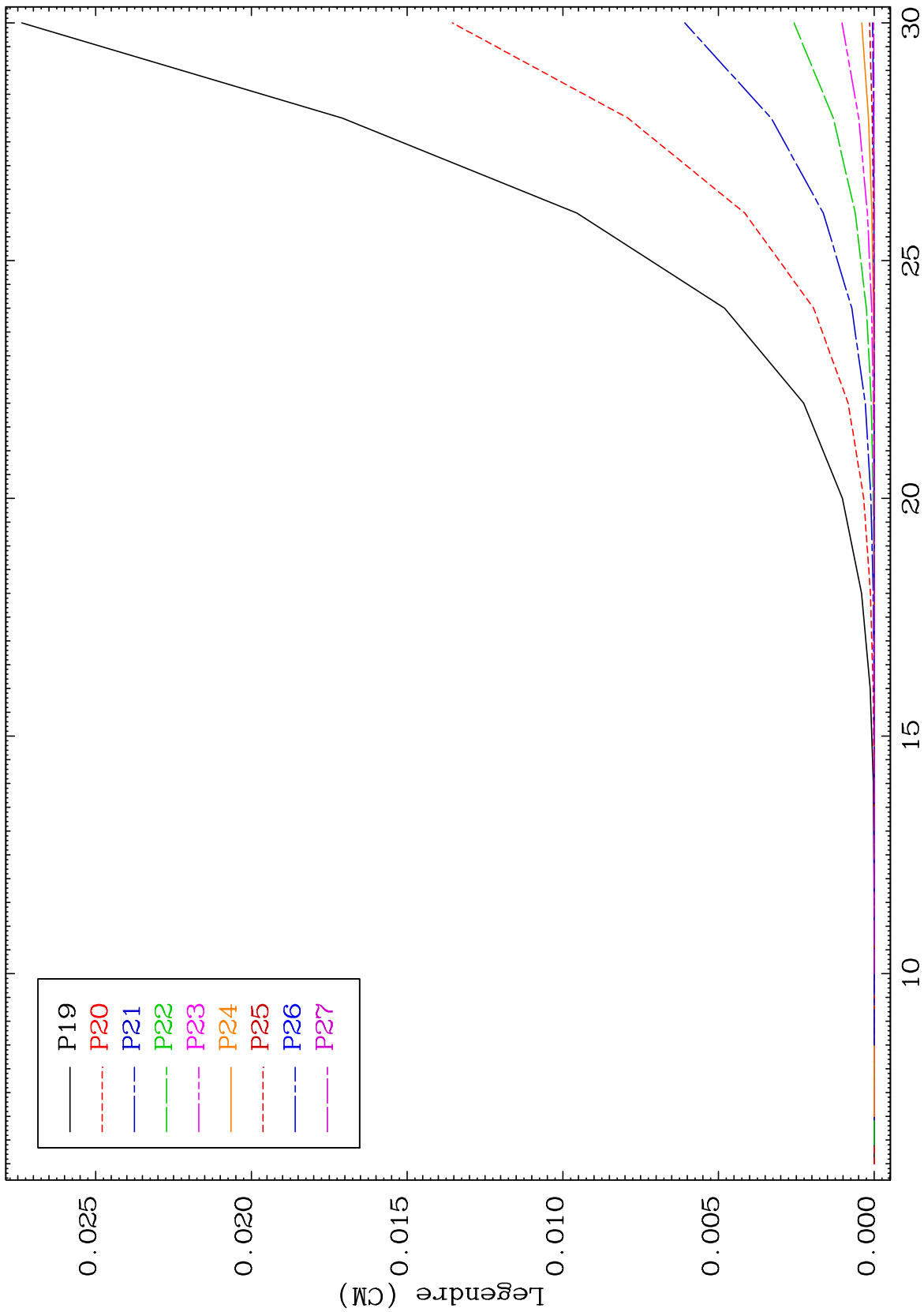




MAT 7140

Elastic Legendre Coefficients

71-Lu-180



18

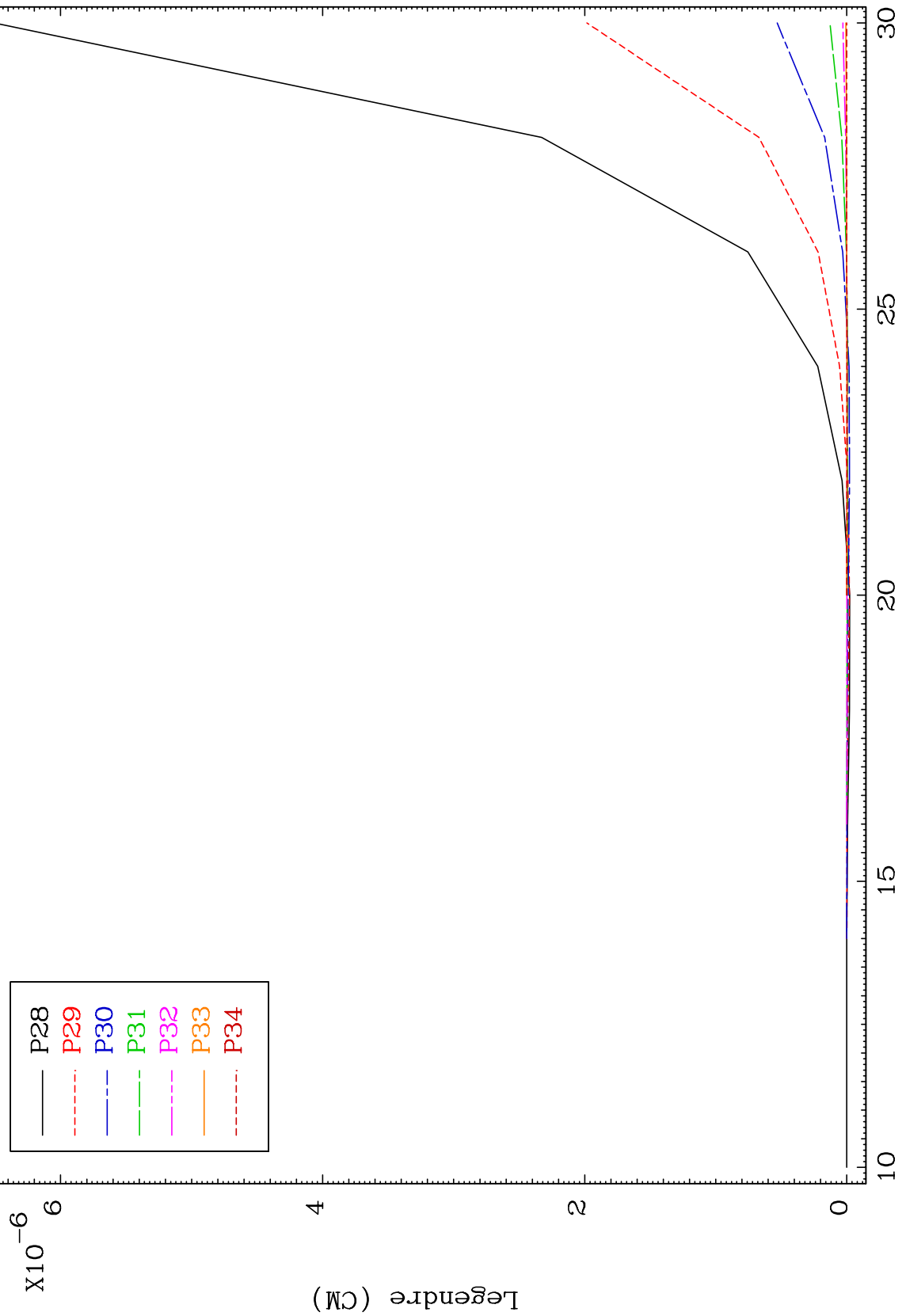
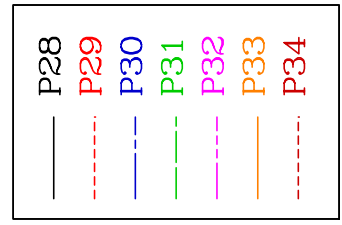
Incident Energy (MeV)

71-Lu-180

MAT 7140

Elastic Legendre Coefficients

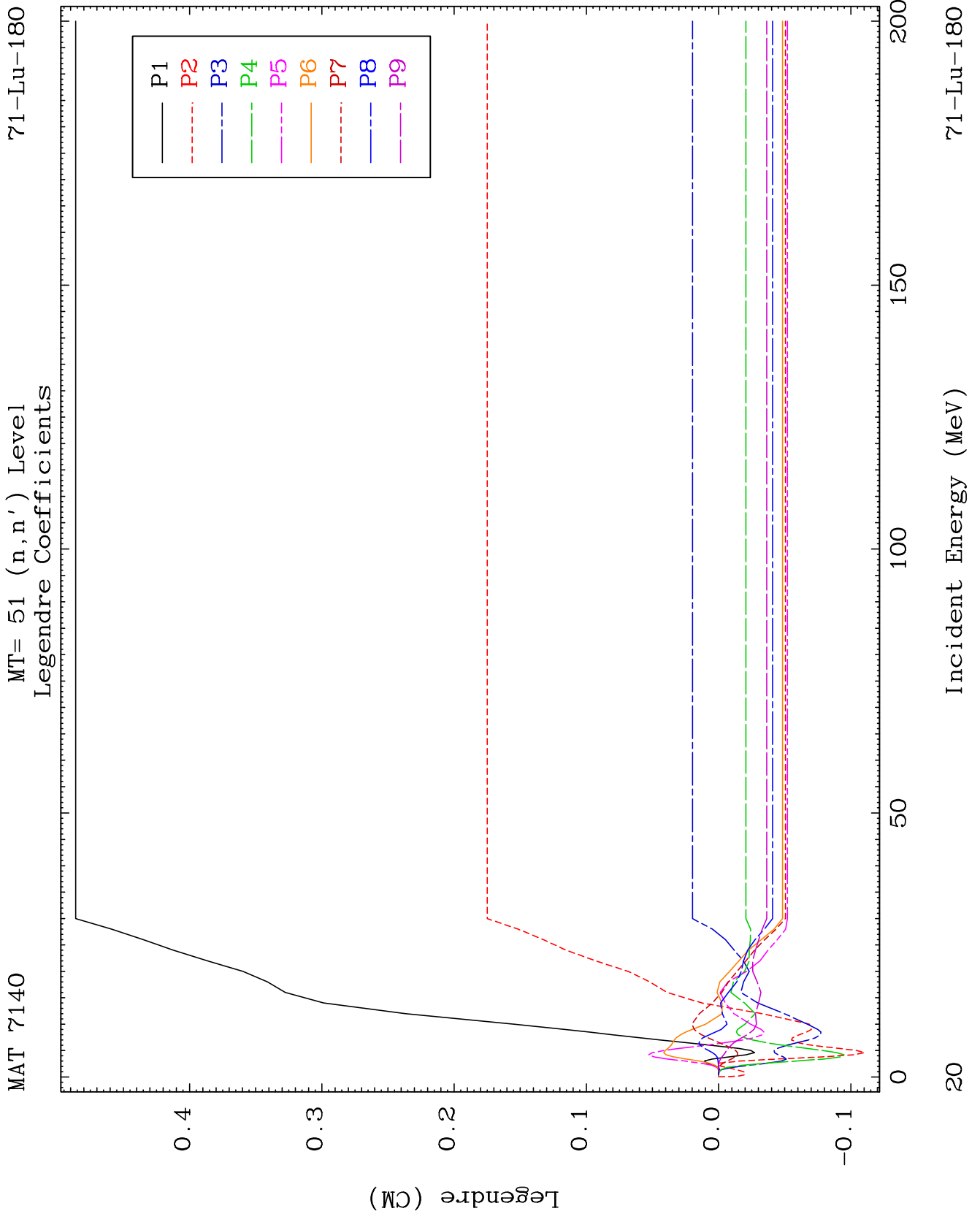
⁷¹Lu-180



19

Incident Energy (MeV)

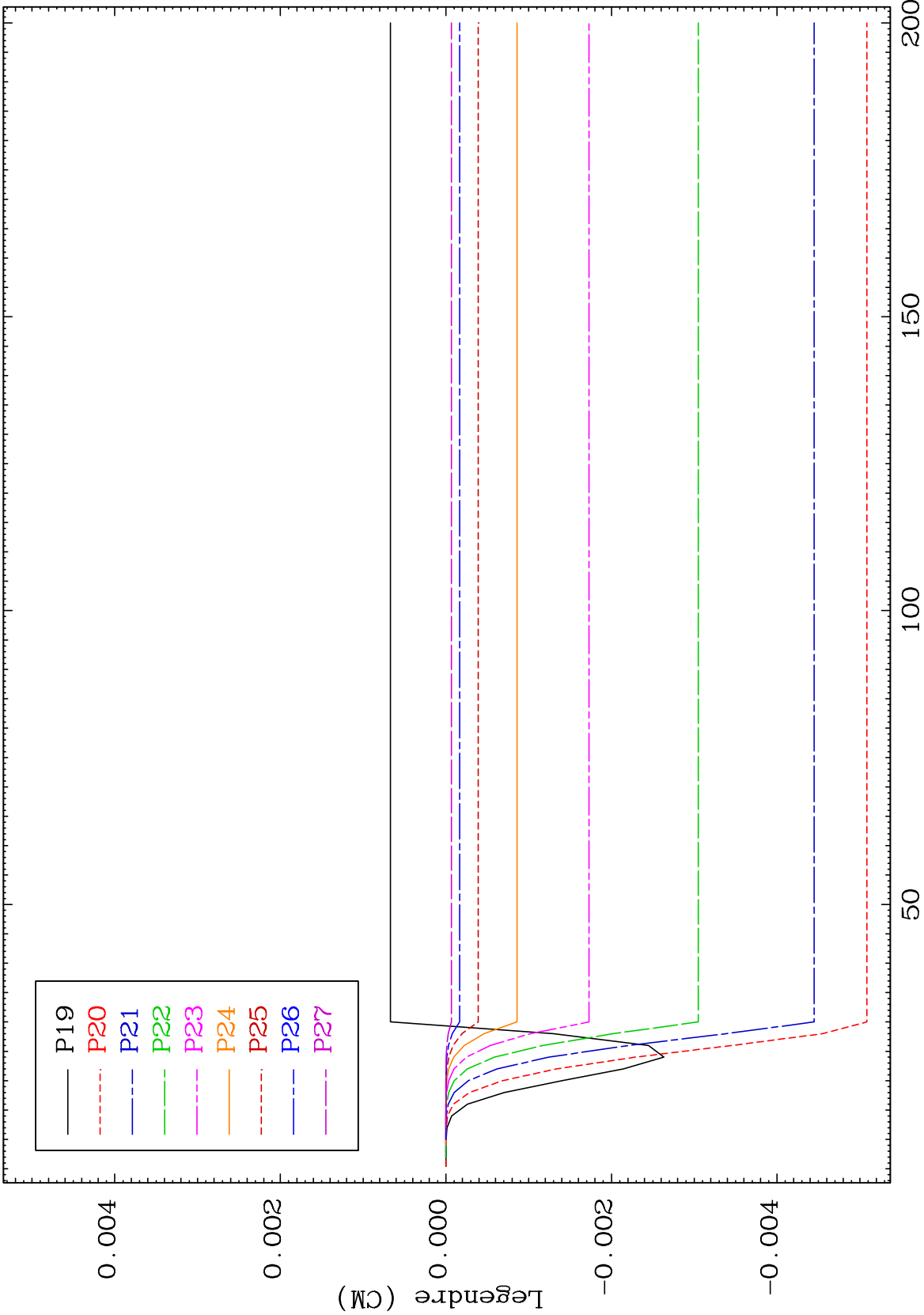
⁷¹Lu-180

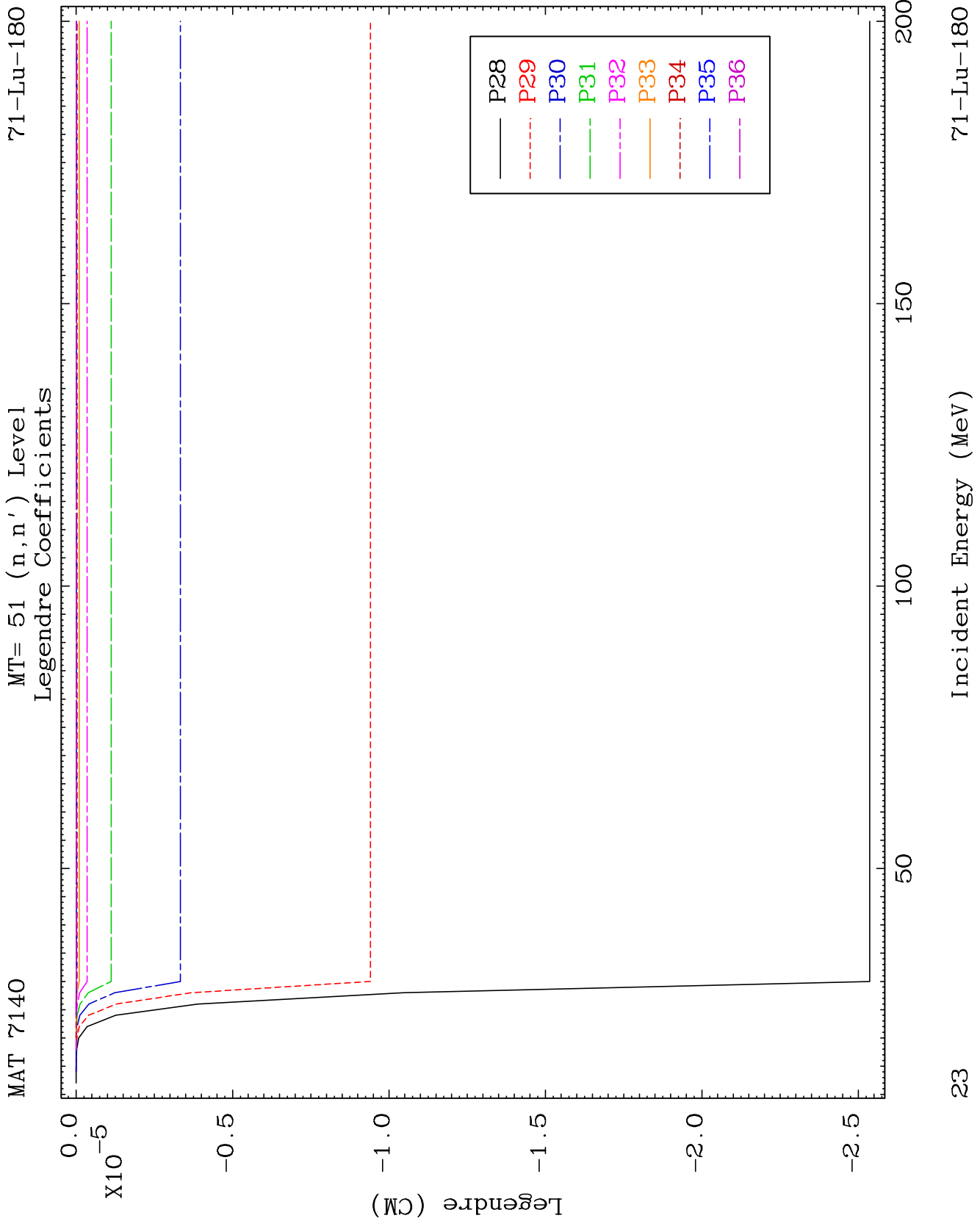


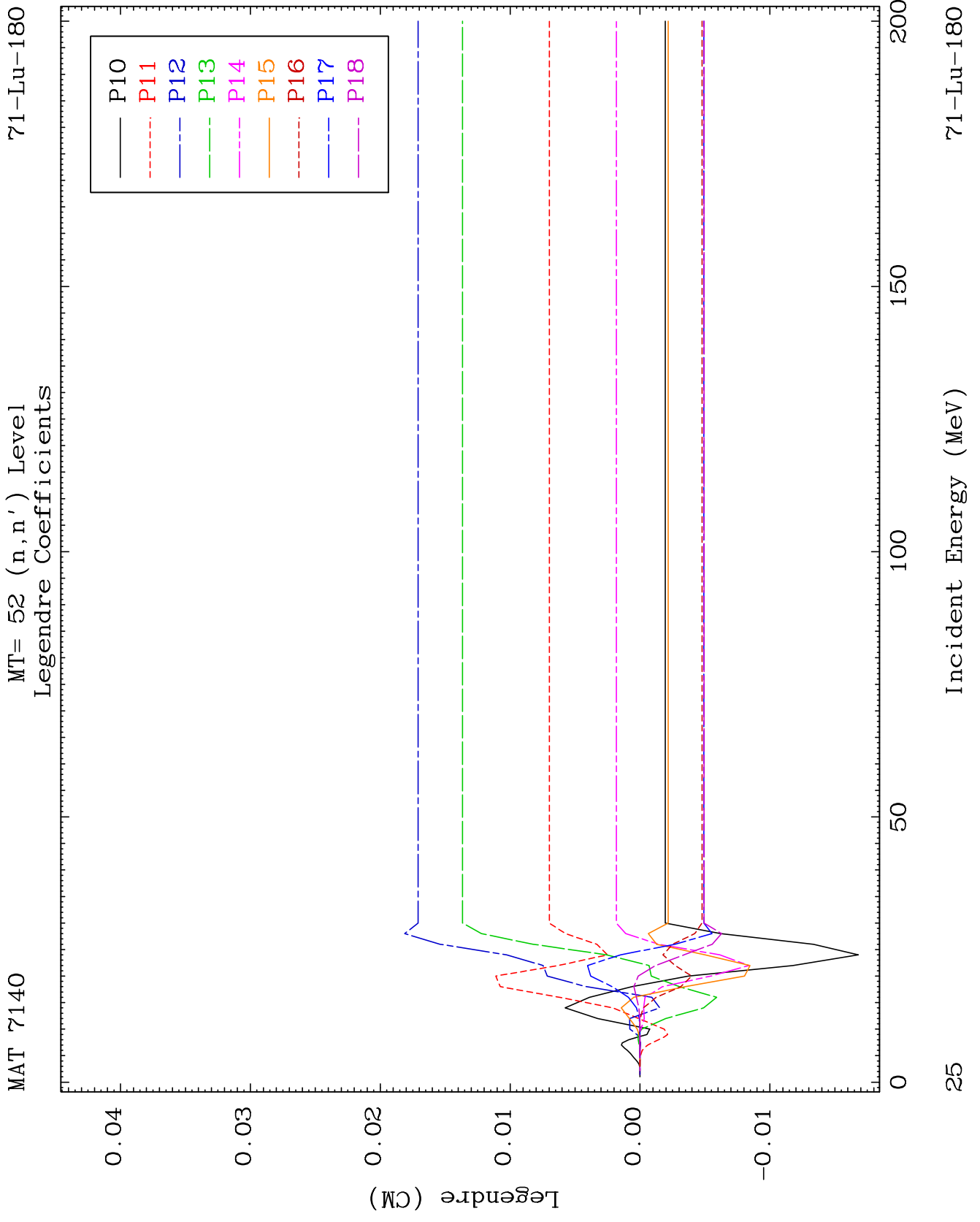
MAT 7140

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

71-Lu-180



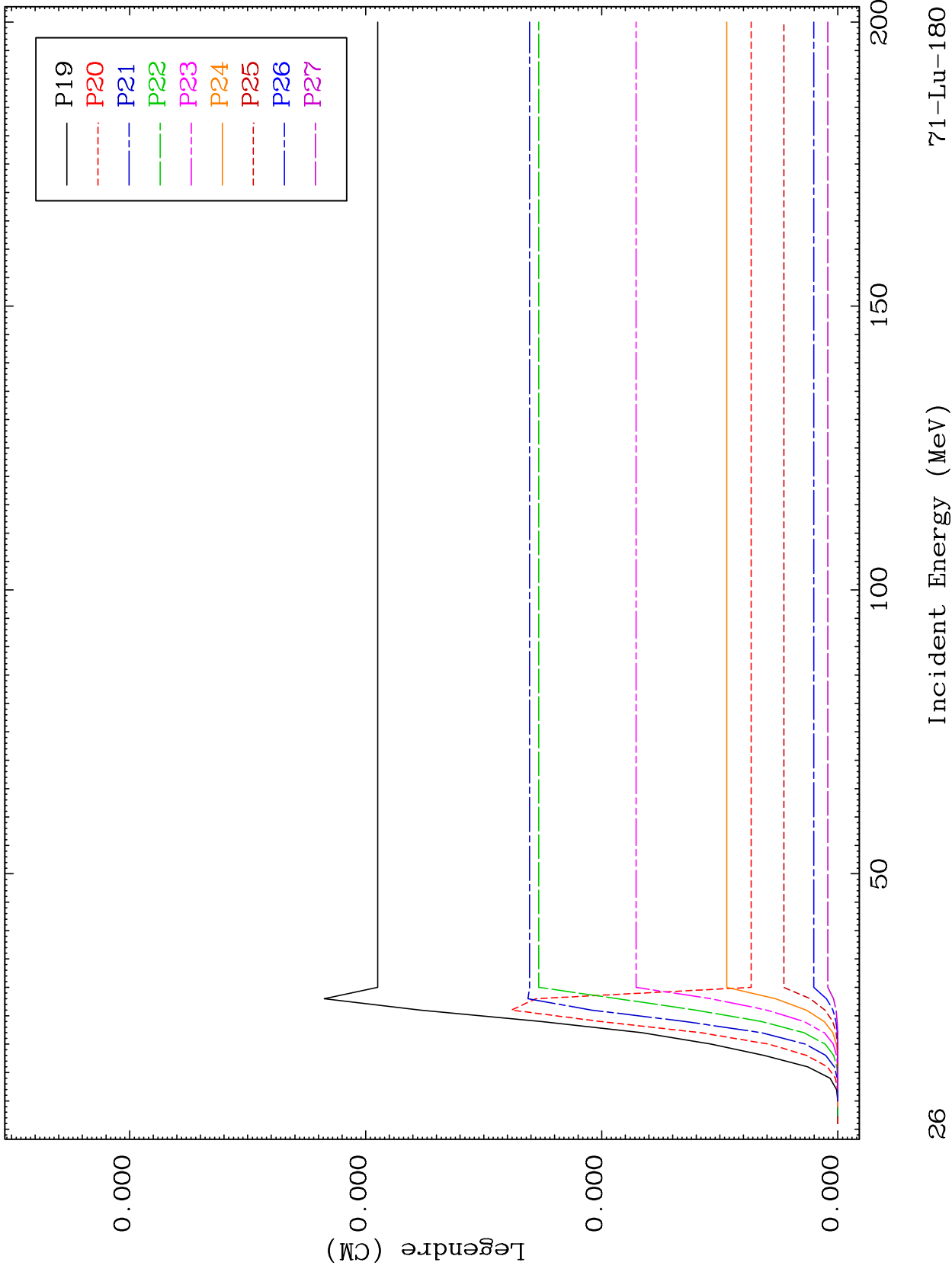




MAT 7140

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

71-Lu-180



26

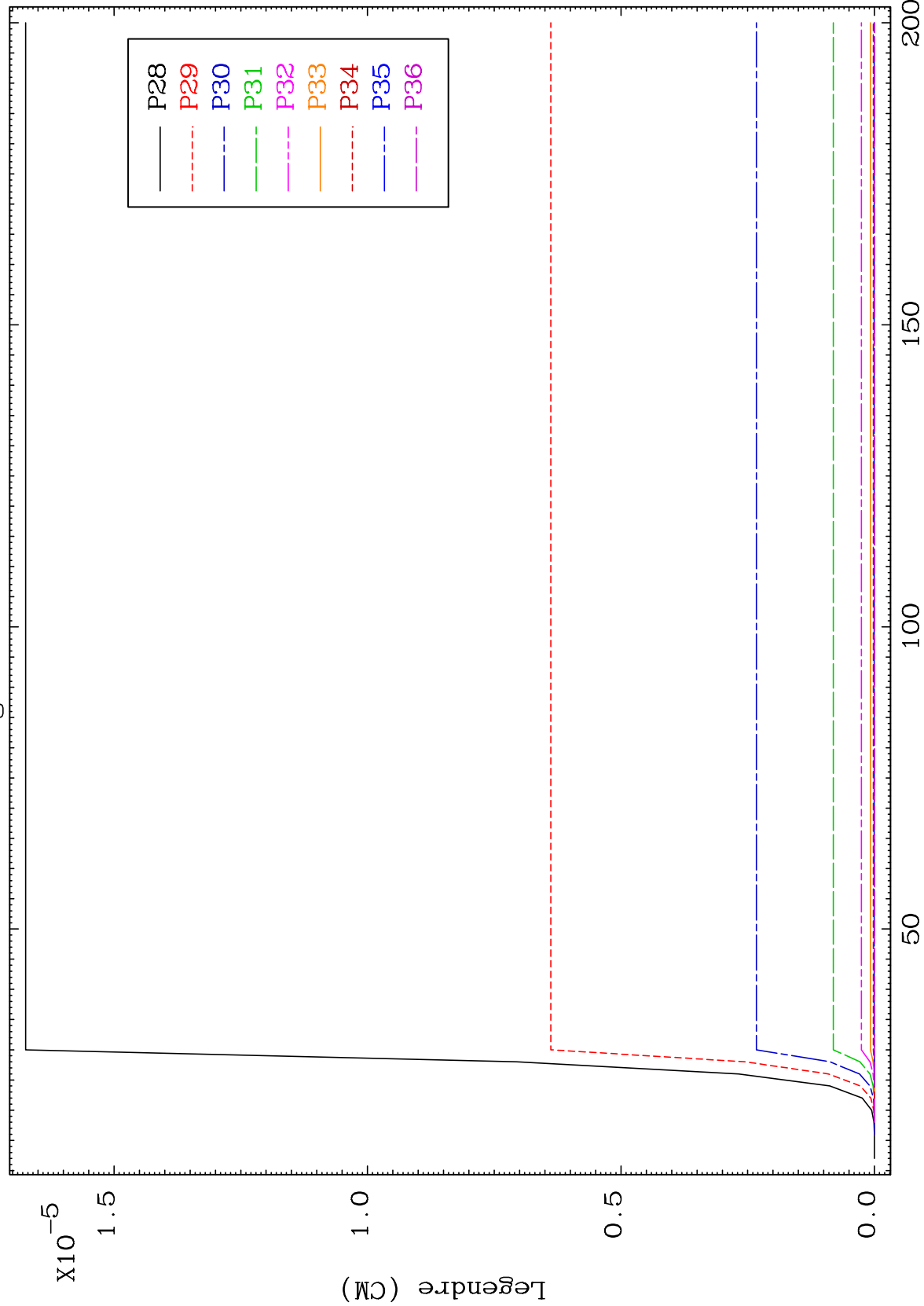
Incident Energy (MeV)

71-Lu-180

MAT 7140

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

71-Lu-180



71-Lu-180

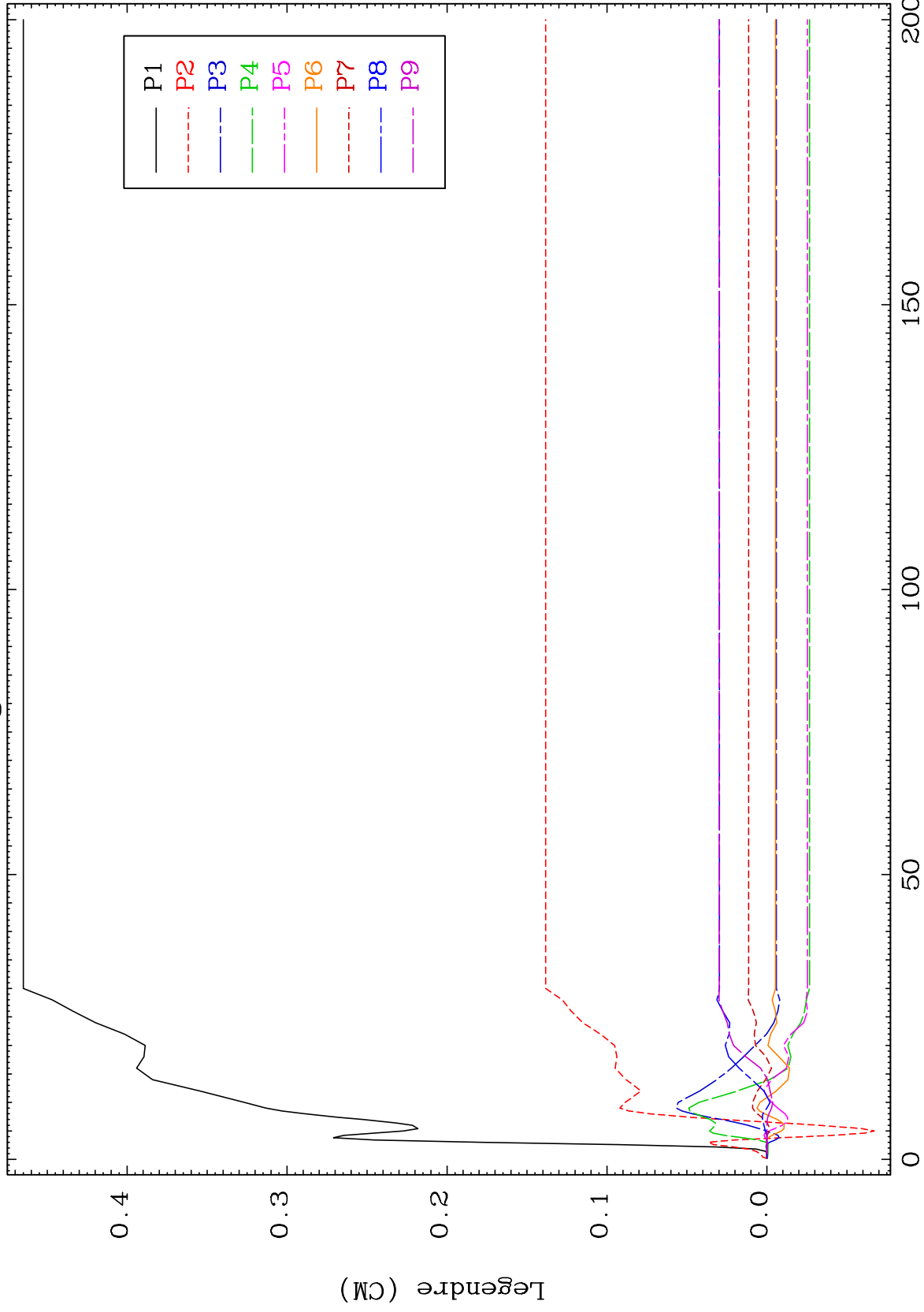
Incident Energy (MeV)

27

MAT 7140

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

71-Lu-180



71-Lu-180

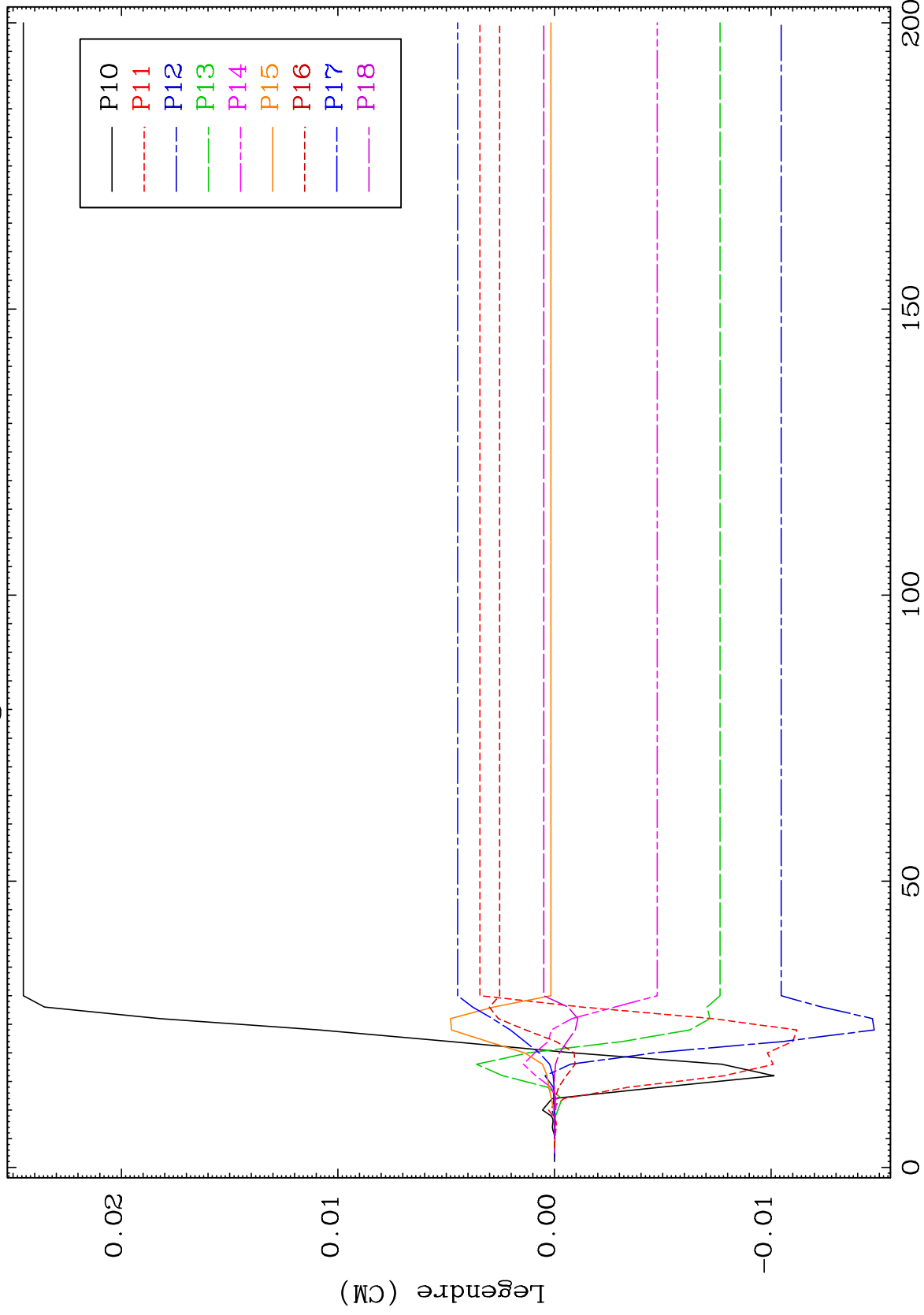
Incident Energy (MeV)

28

MAT 7140

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

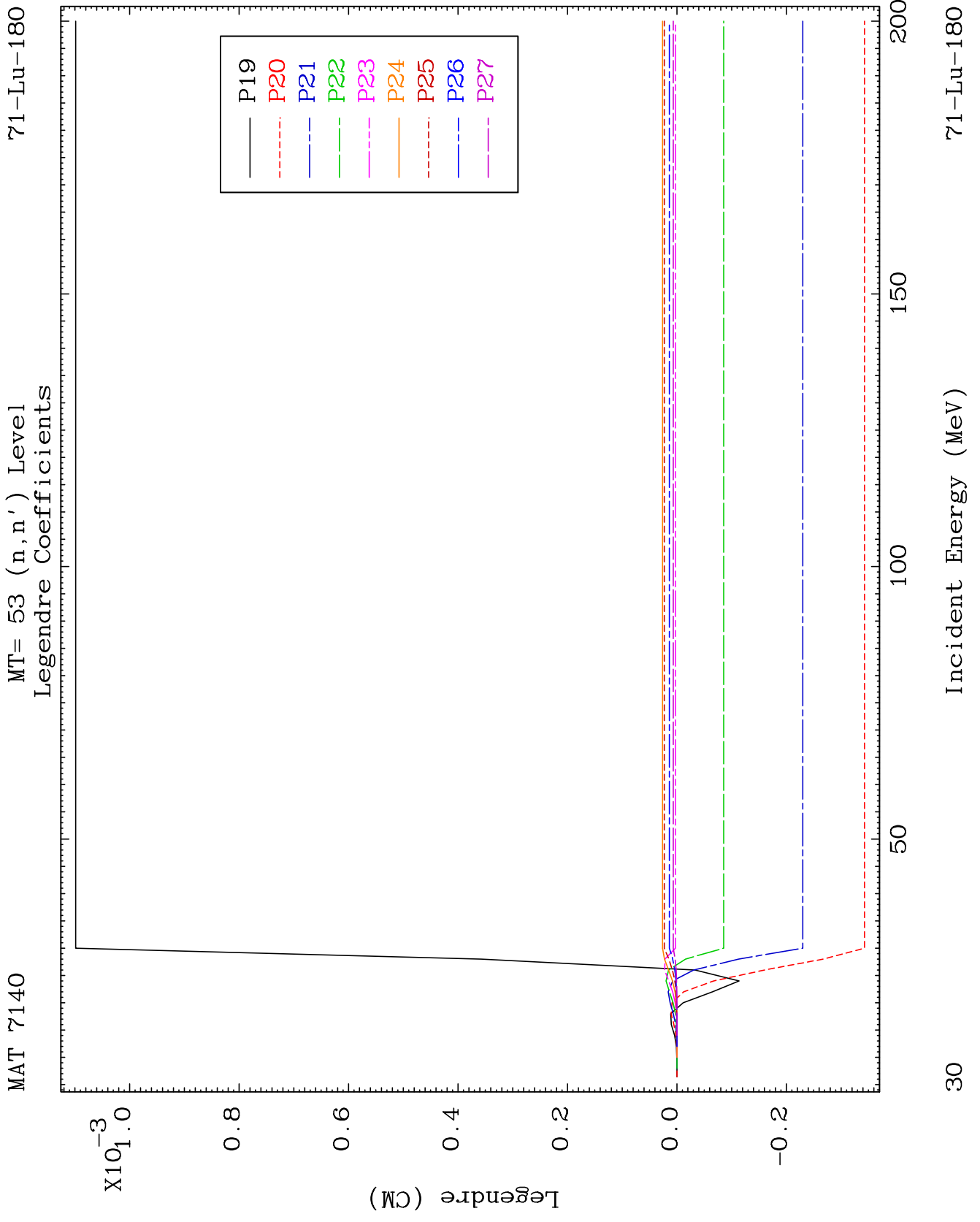
71-Lu-180



29

Incident Energy (MeV)

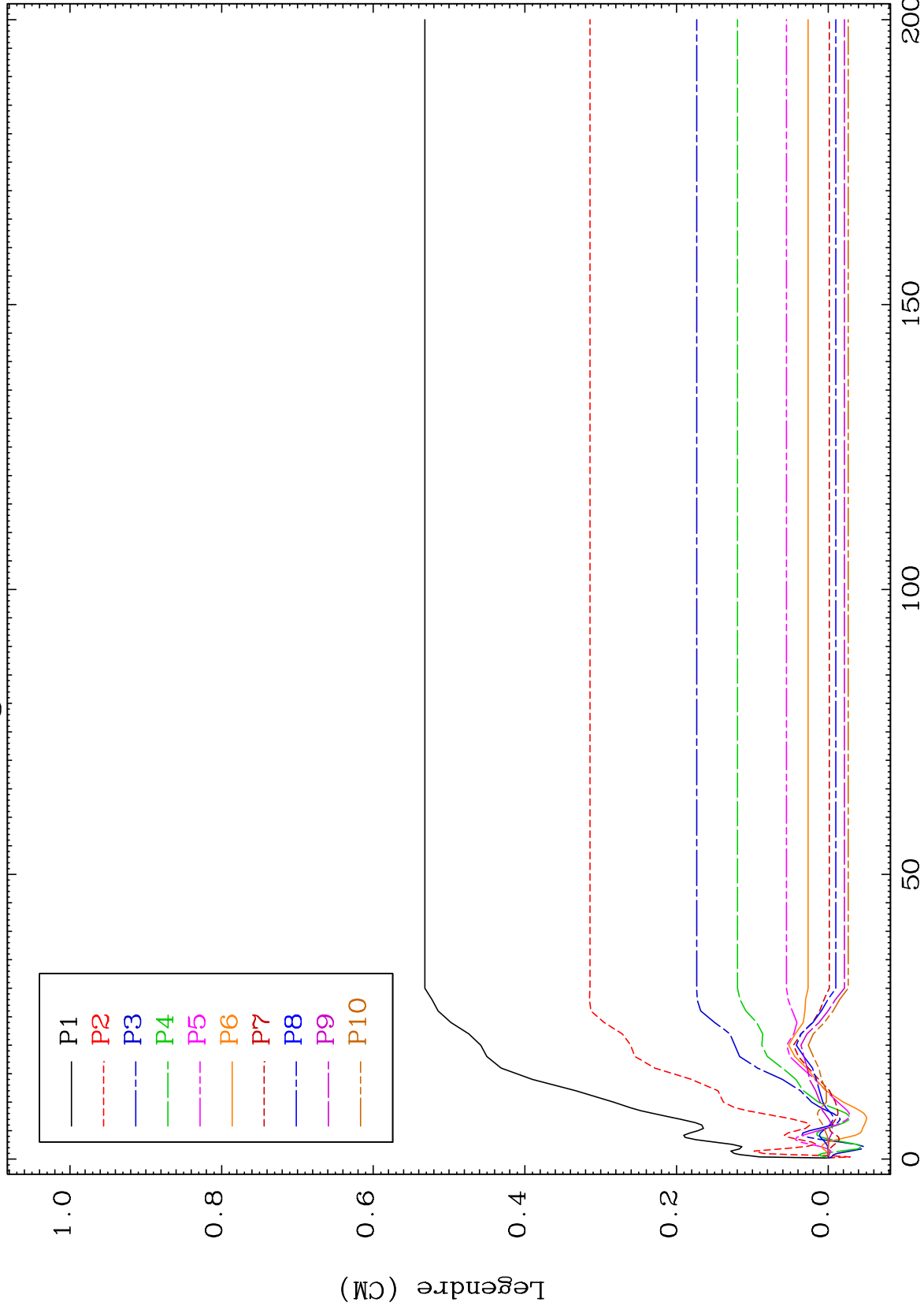
71-Lu-180



MAT 7140

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

71-Lu-180



32

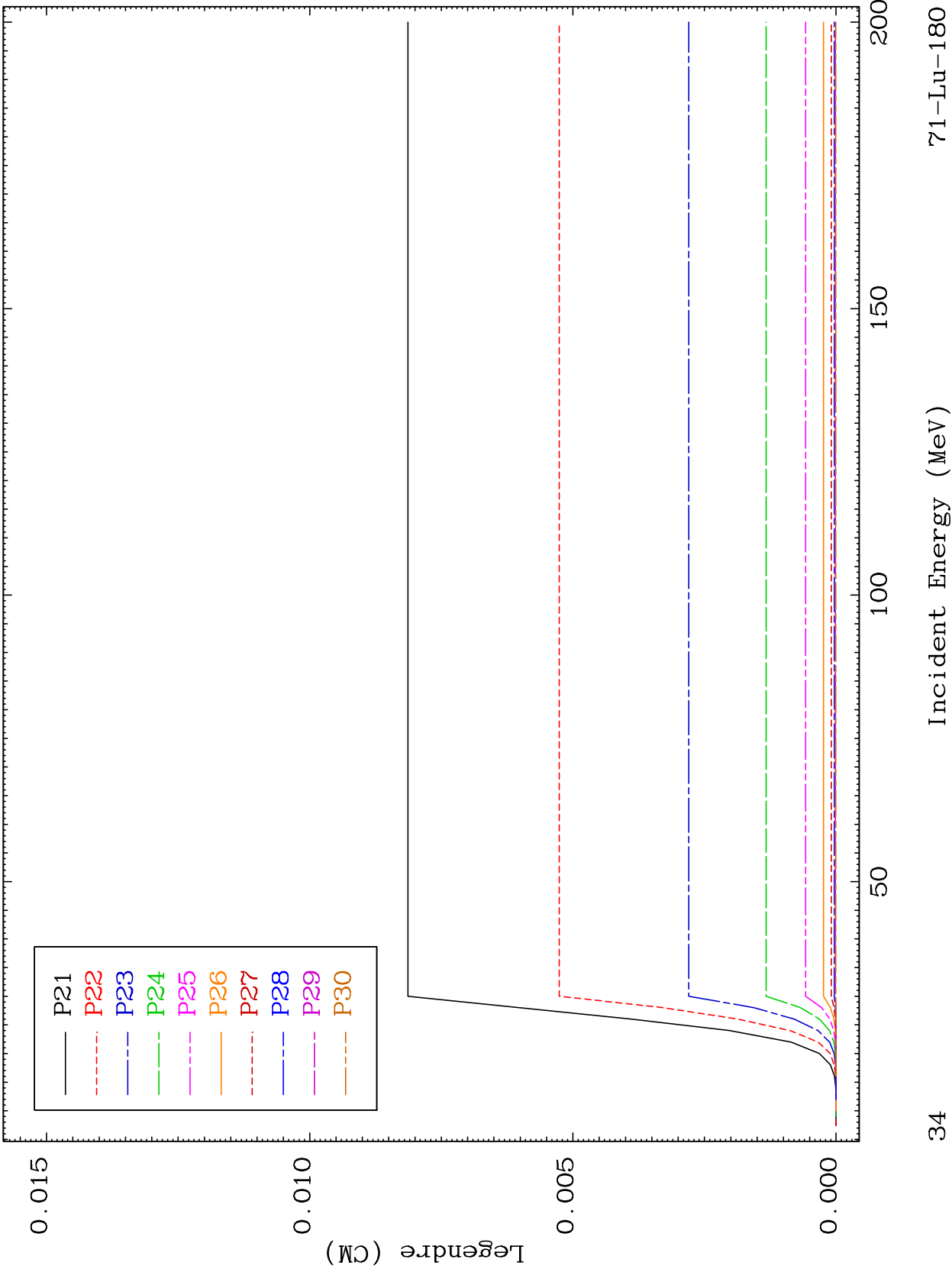
Incident Energy (MeV)

71-Lu-180

MAT 7140

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

71-Lu-180

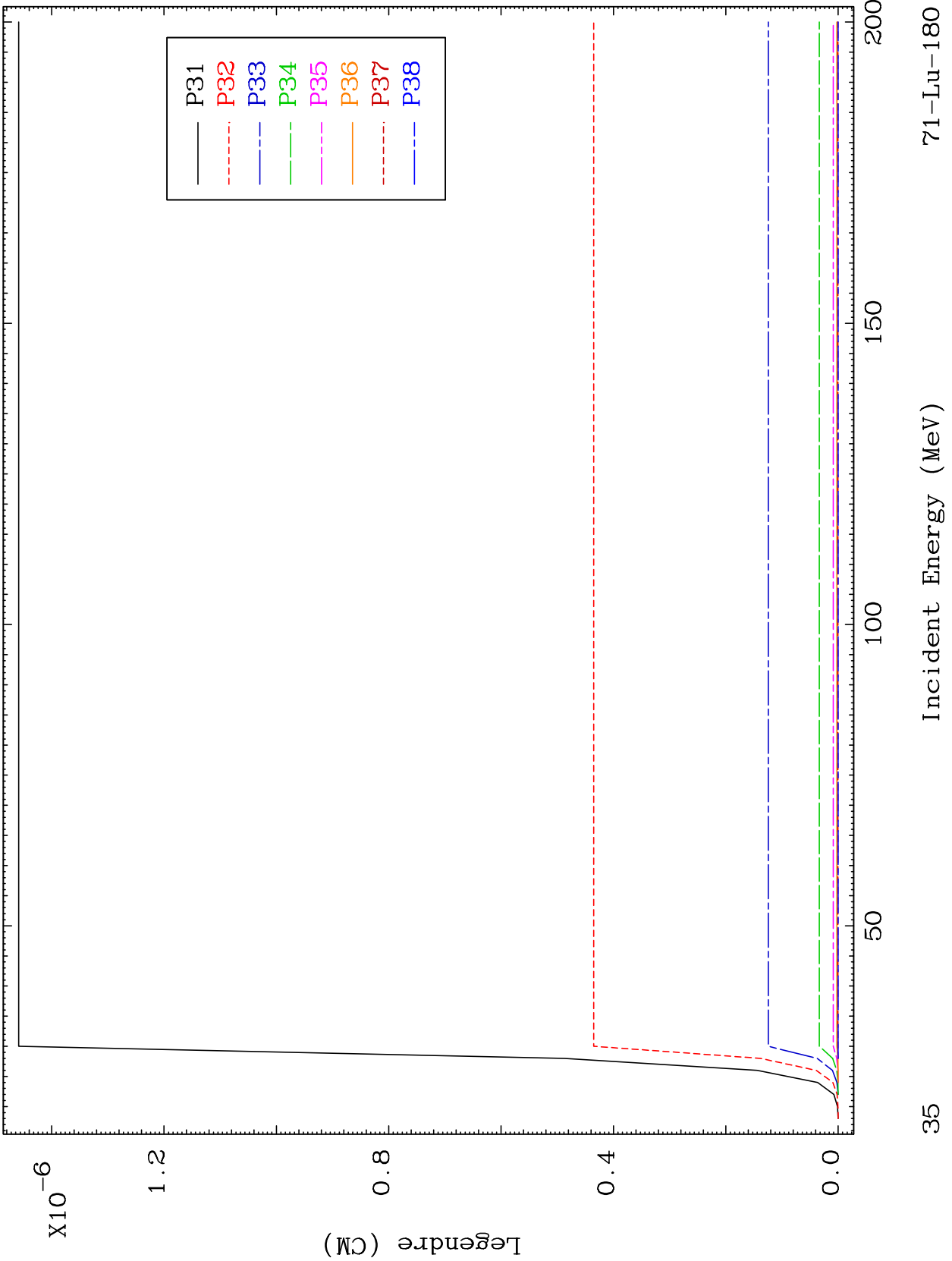


34

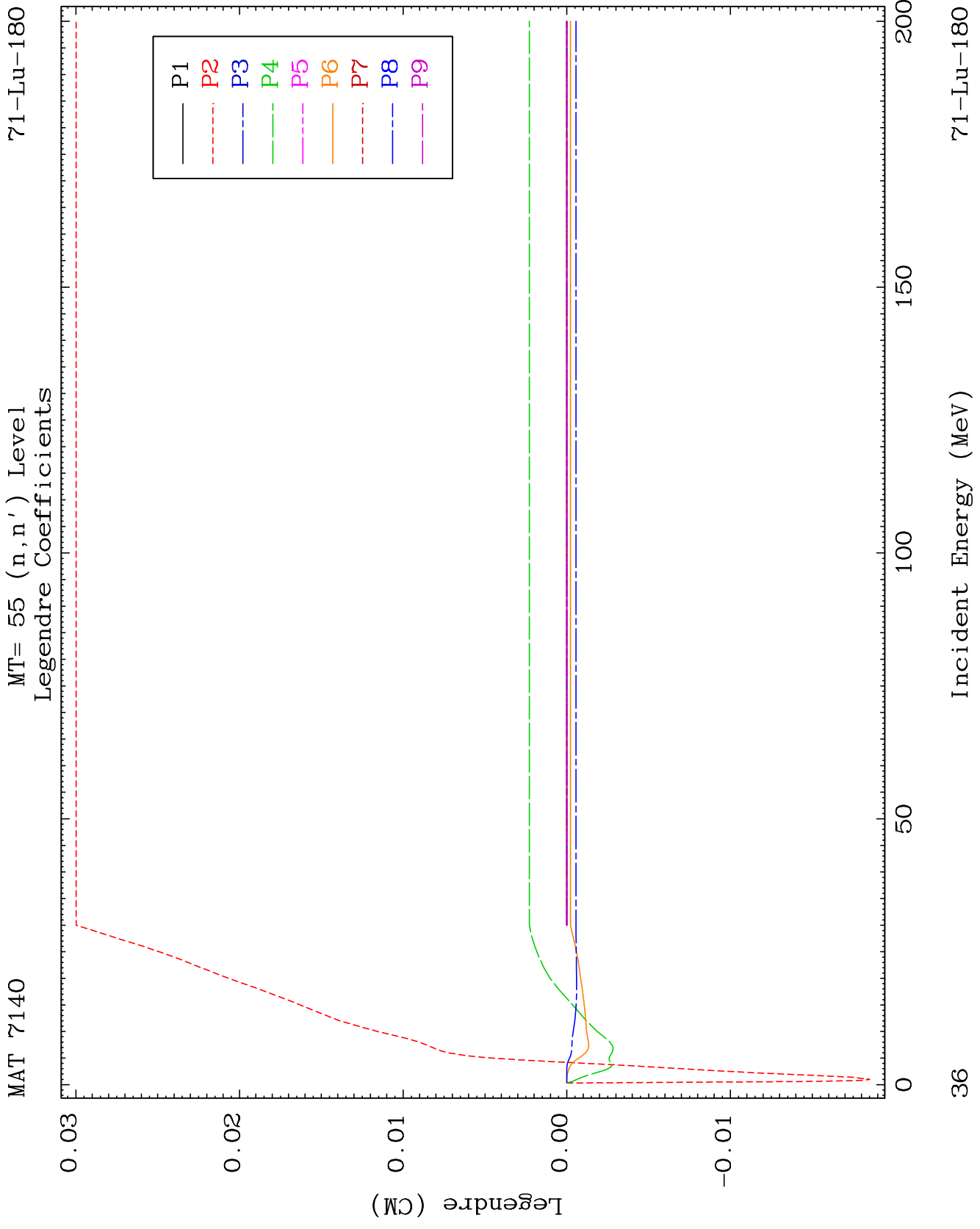
Incident Energy (MeV)

71-Lu-180

MAT 7140 MT= 54 (n,n') Level Legendre Coefficients 71-Lu-180



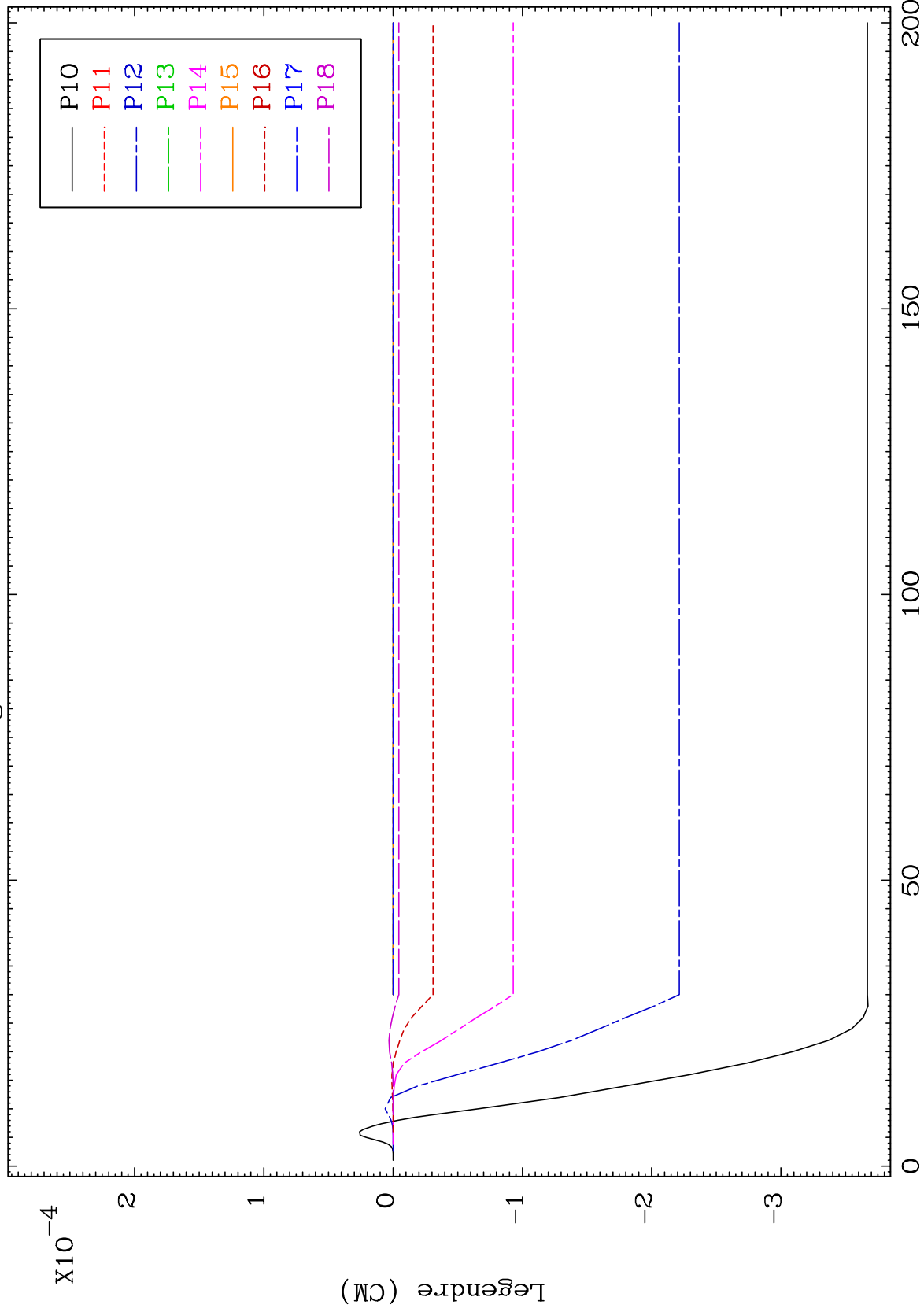
35 50 100 150 200 71-Lu-180



MAT 7140

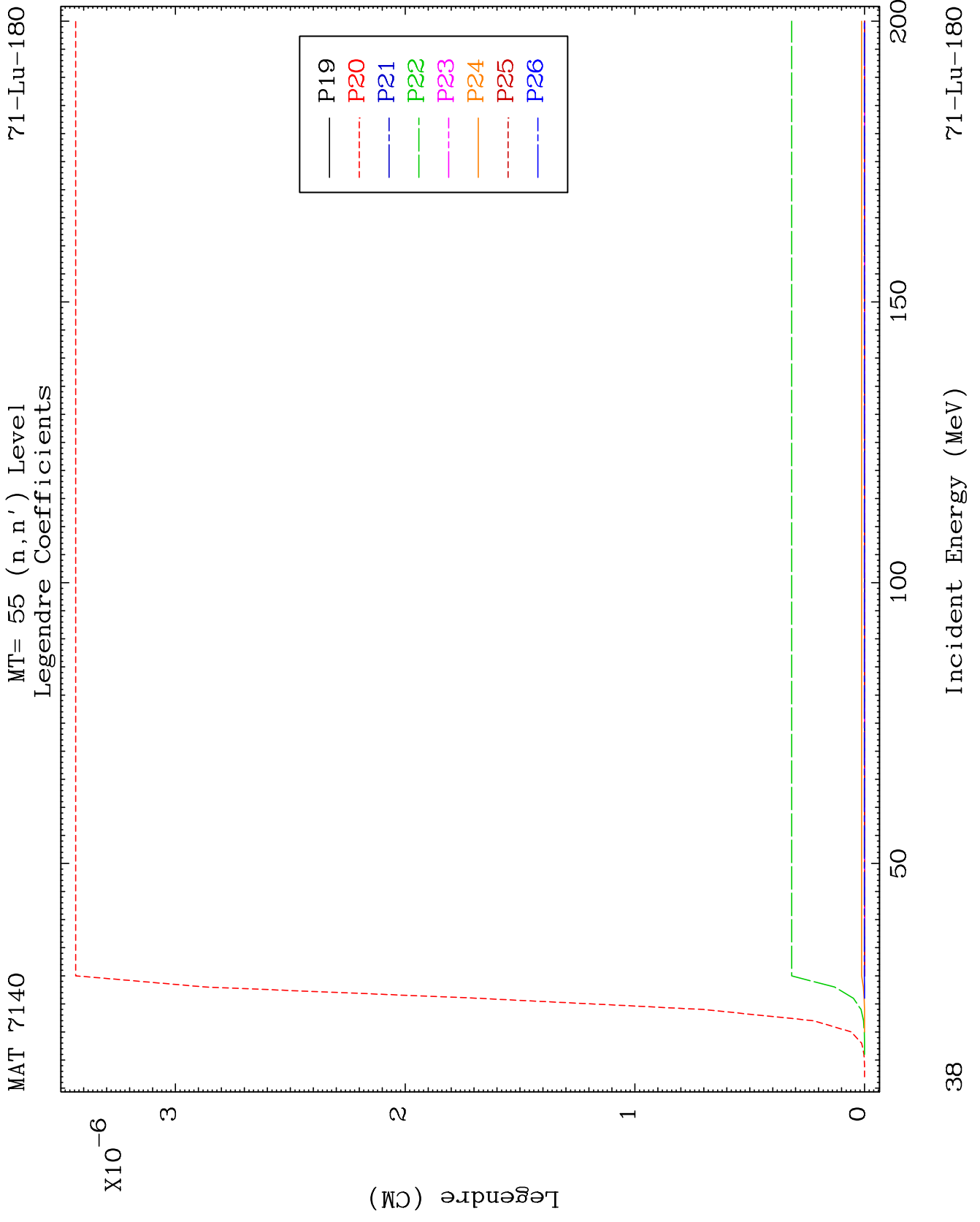
MT= 55 (n,n') Level
Legendre Coefficients

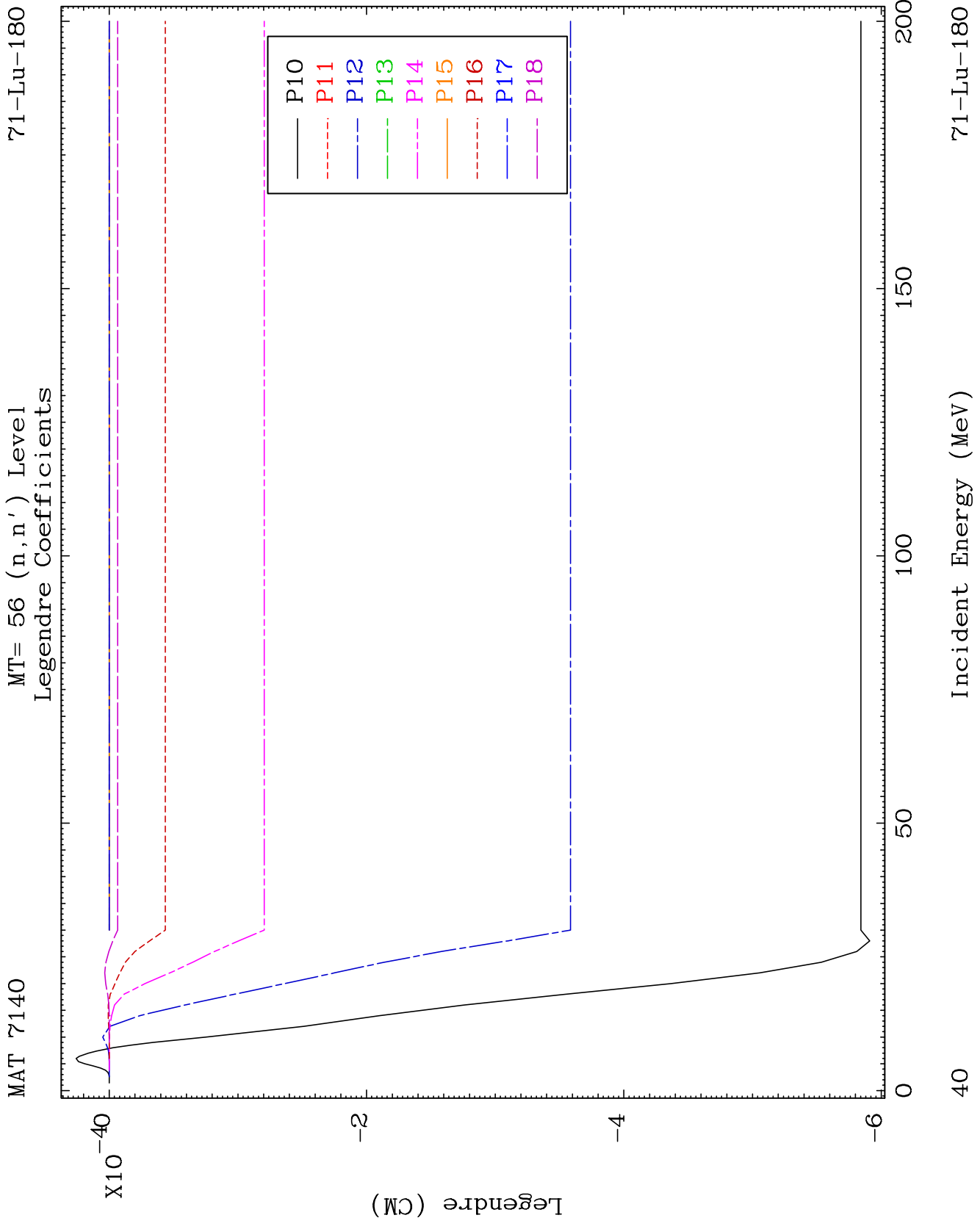
71-Lu-180

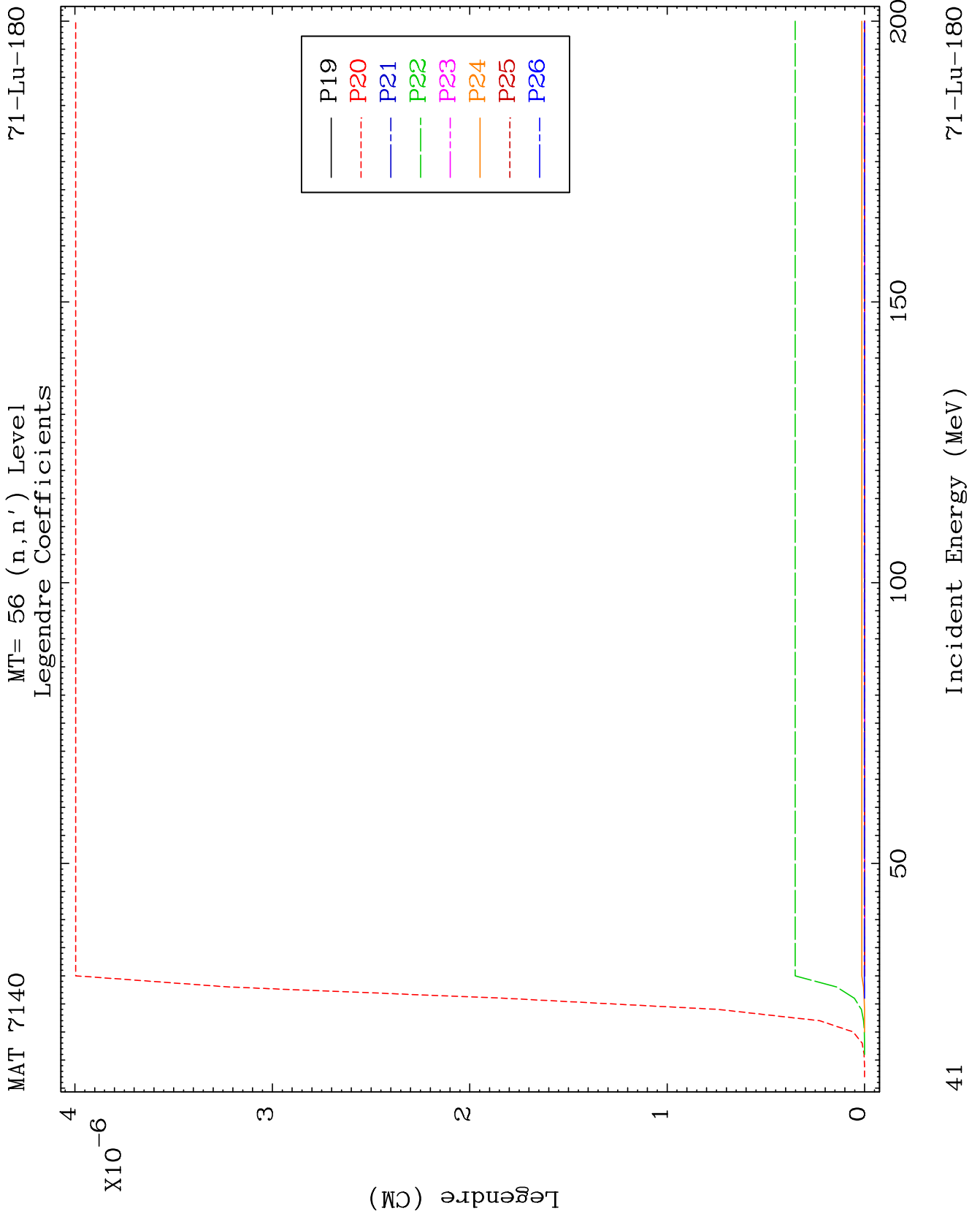


37

71-Lu-180



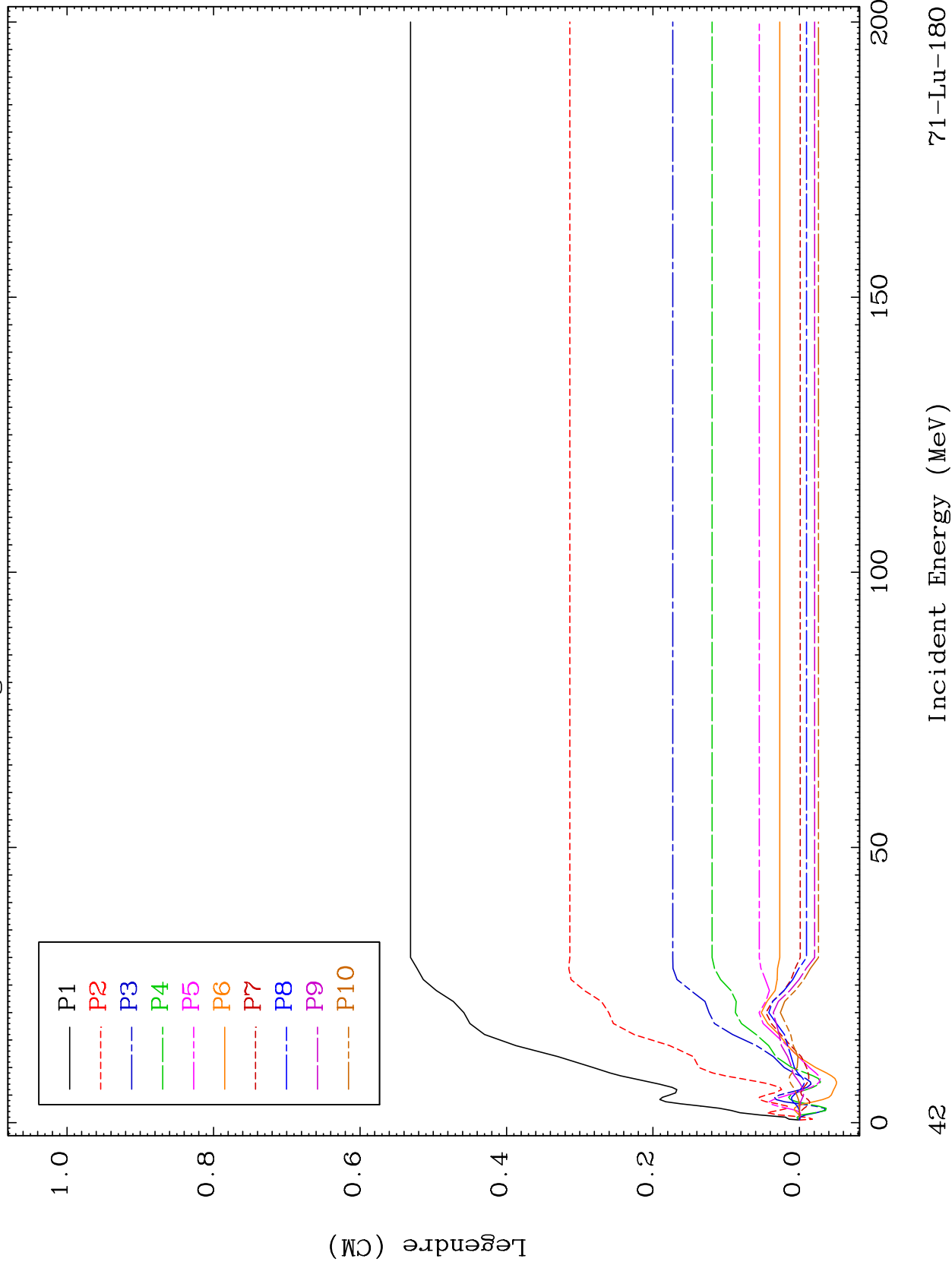




MAT 7140

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

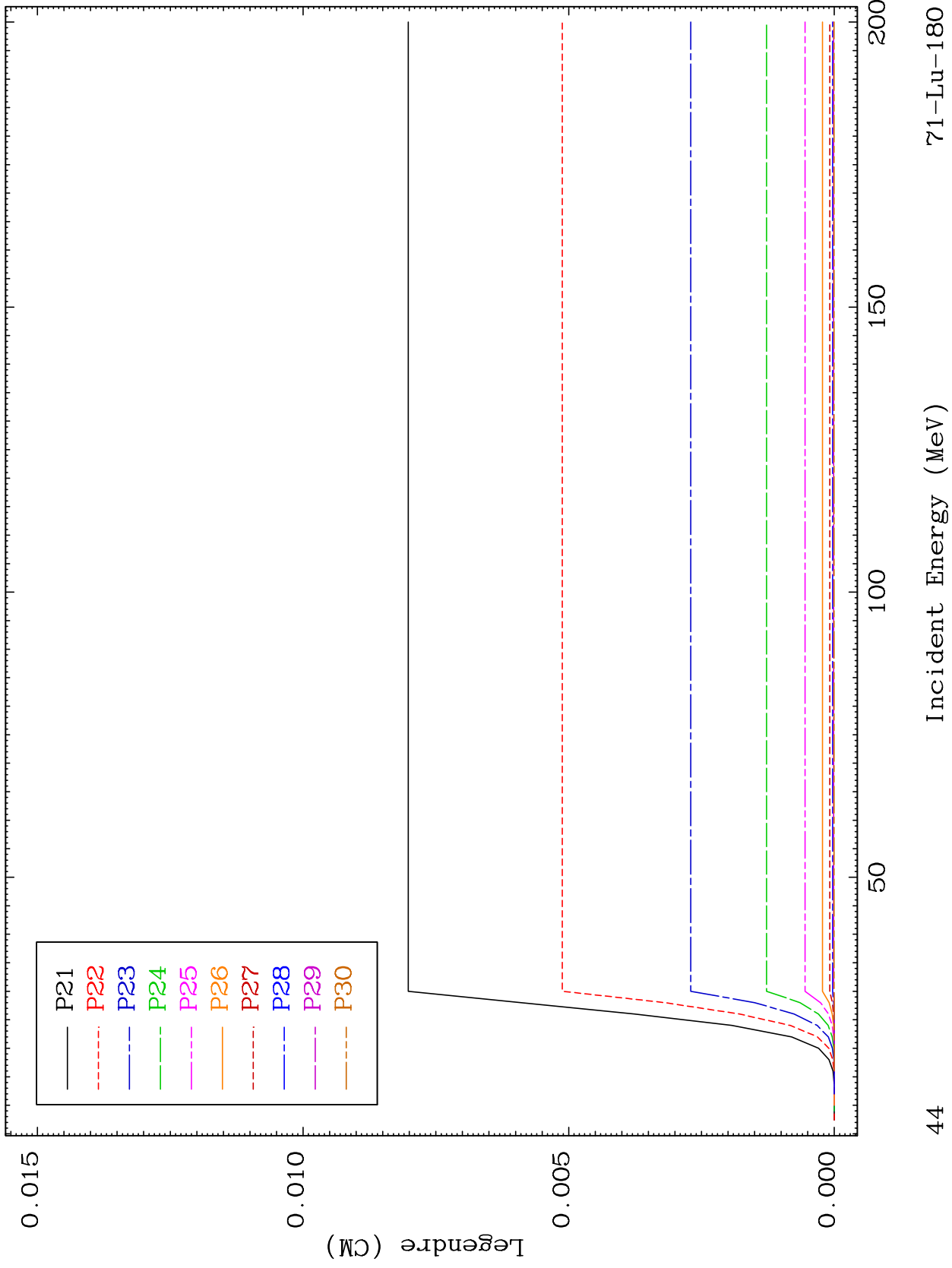
71-Lu-180



MAT 7140

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

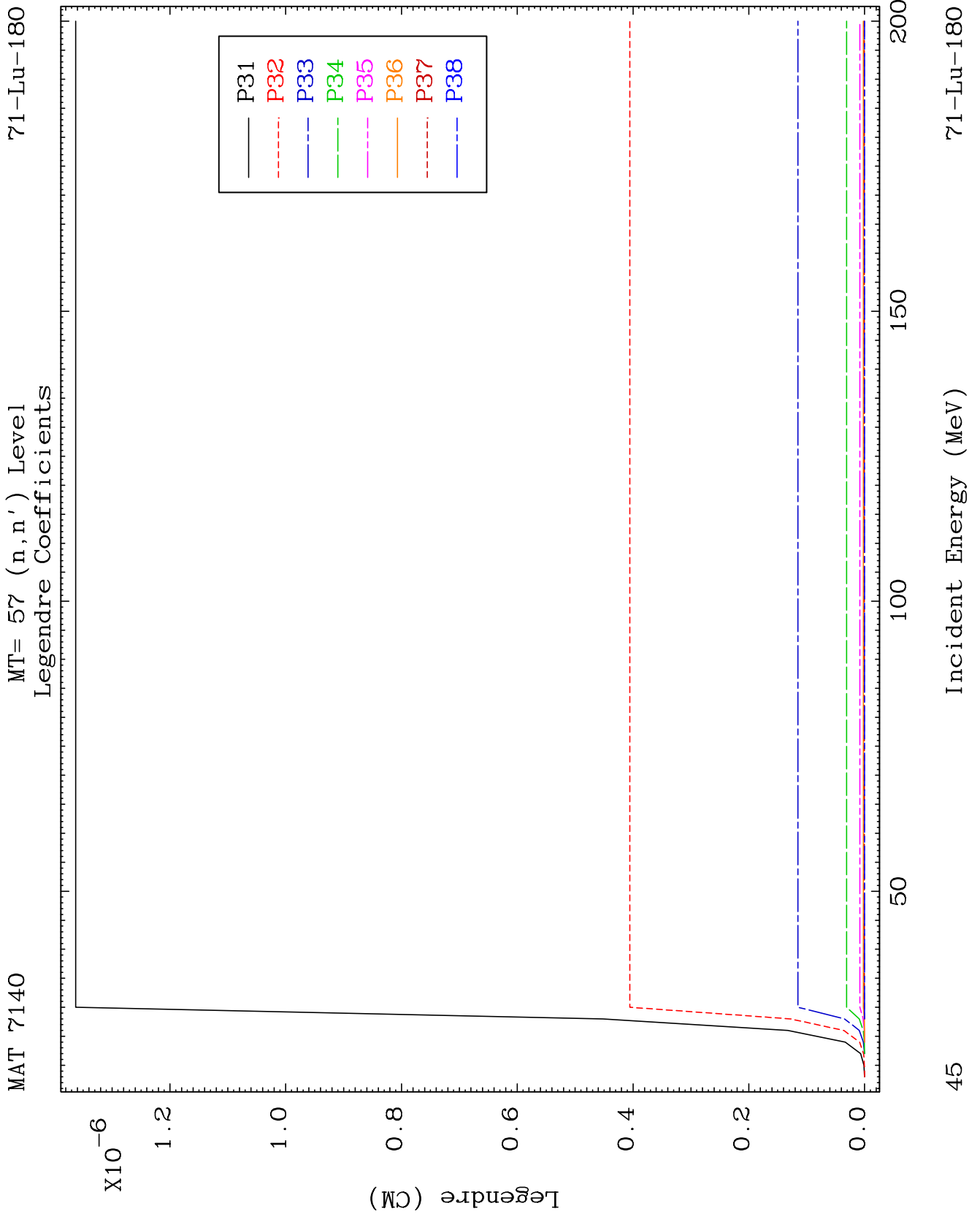
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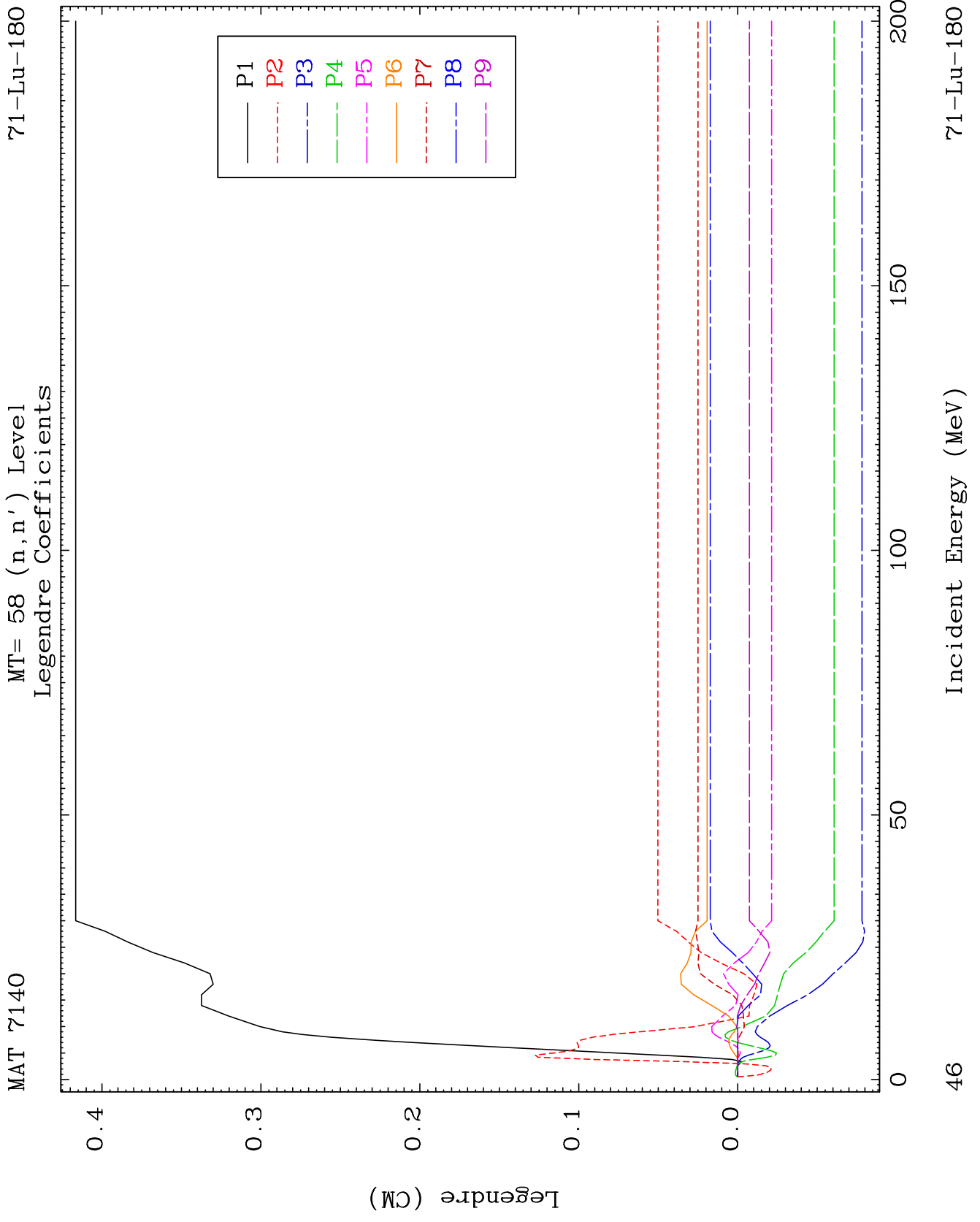


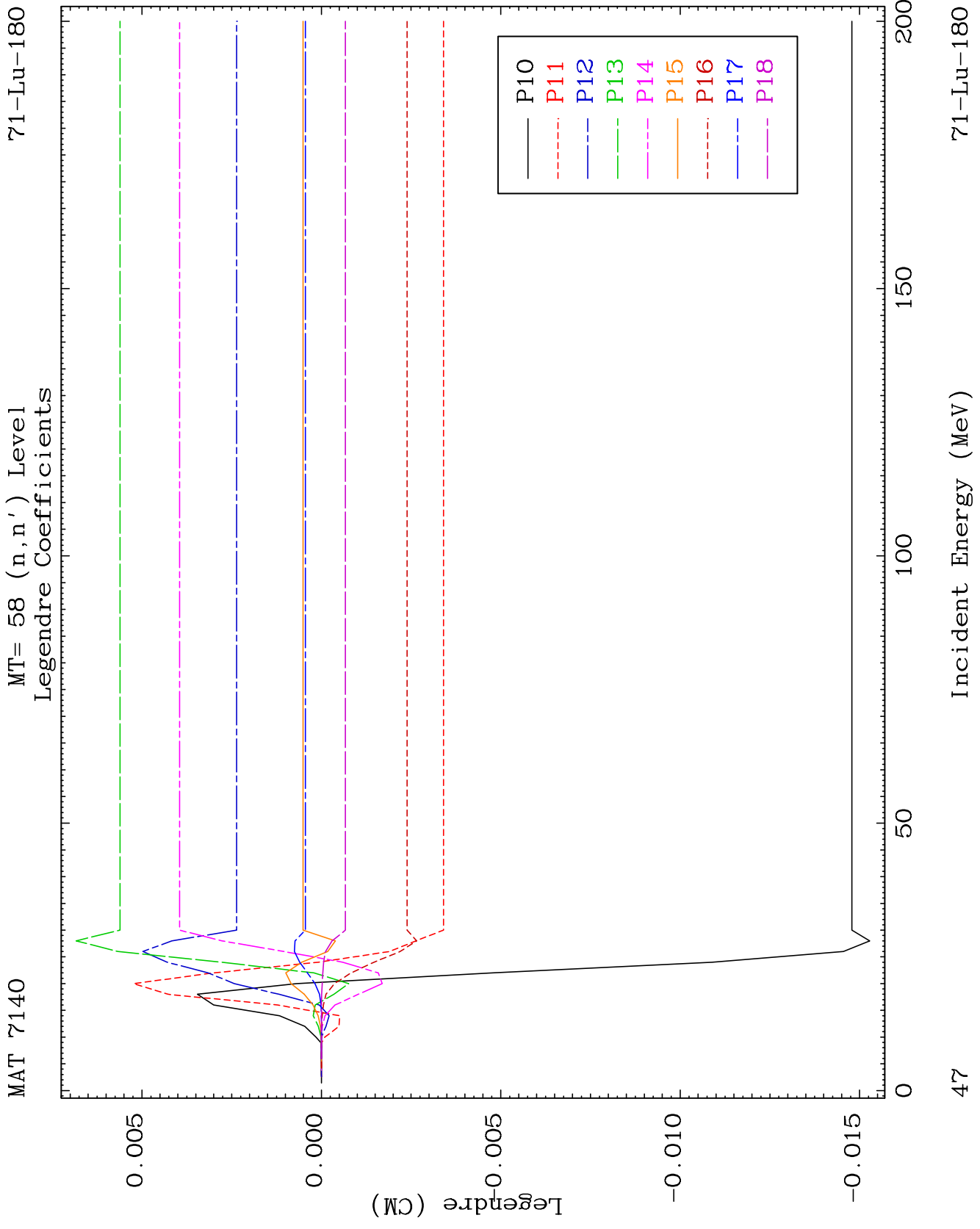
44

Incident Energy (MeV)

71-Lu-180



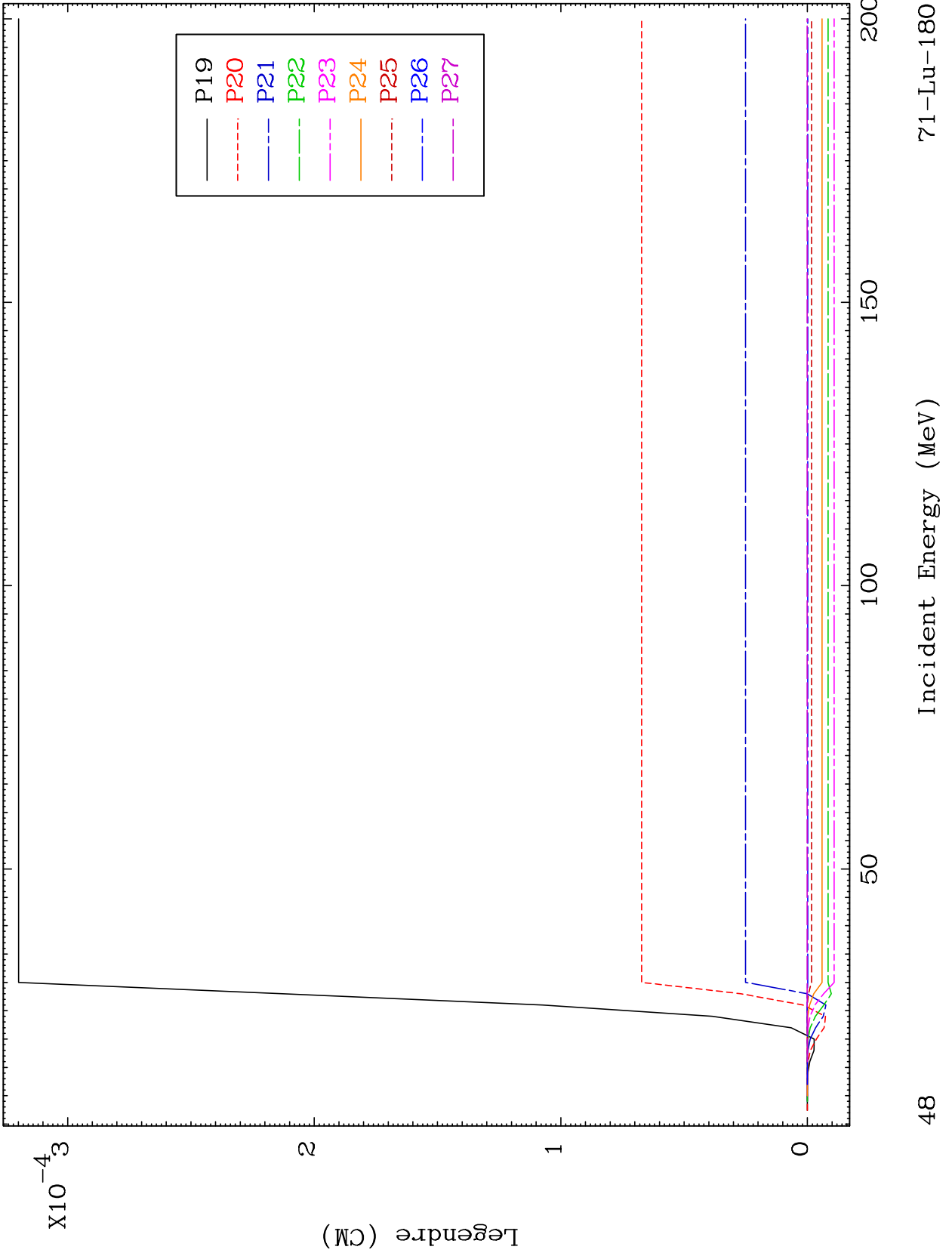




MAT 7140

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

71-Lu-180



48

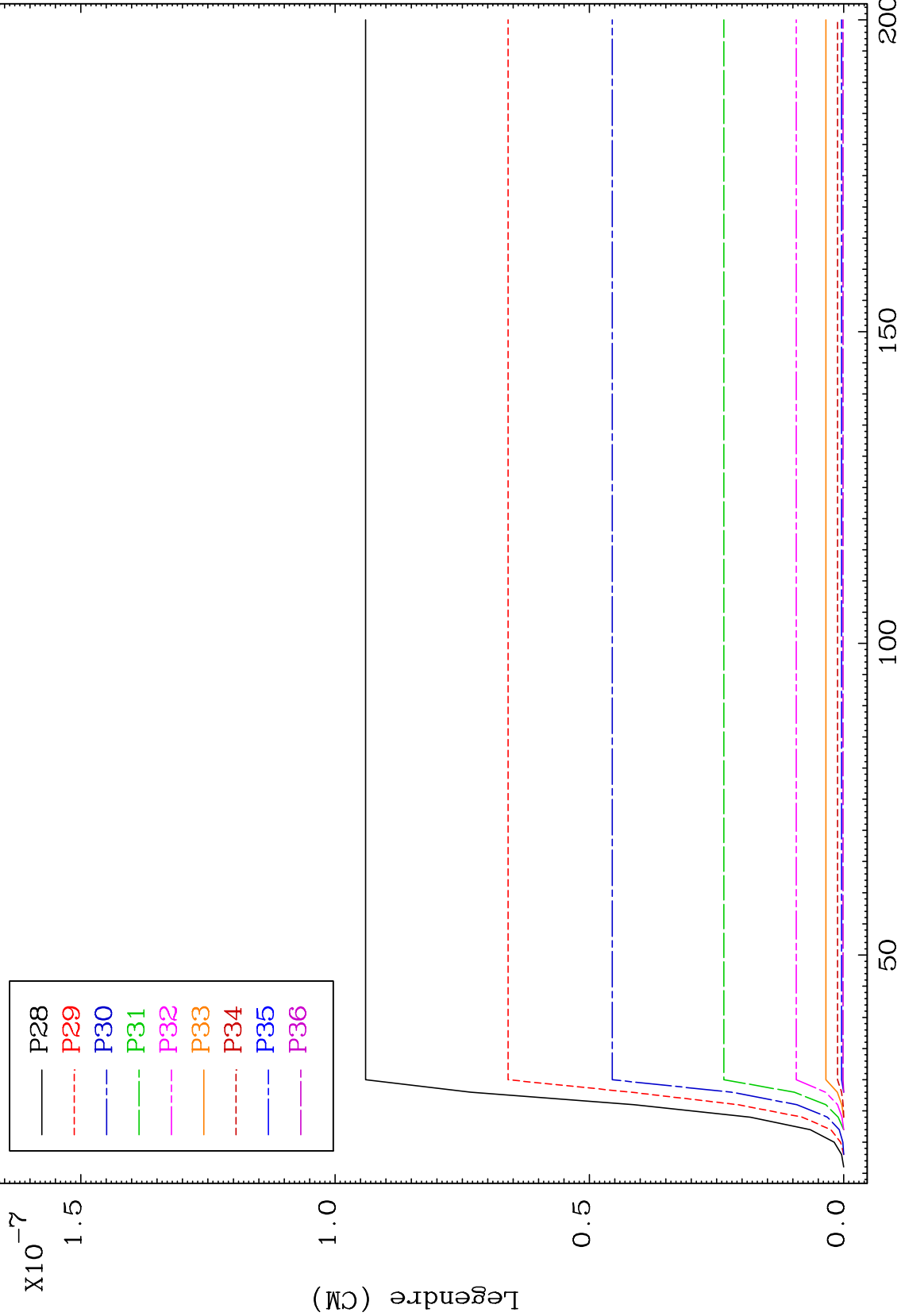
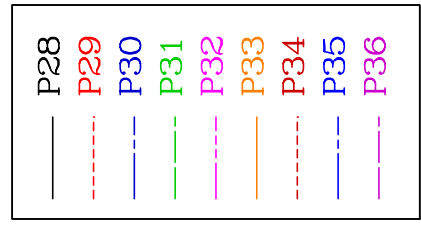
Incident Energy (MeV)

71-Lu-180

MAT 7140

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

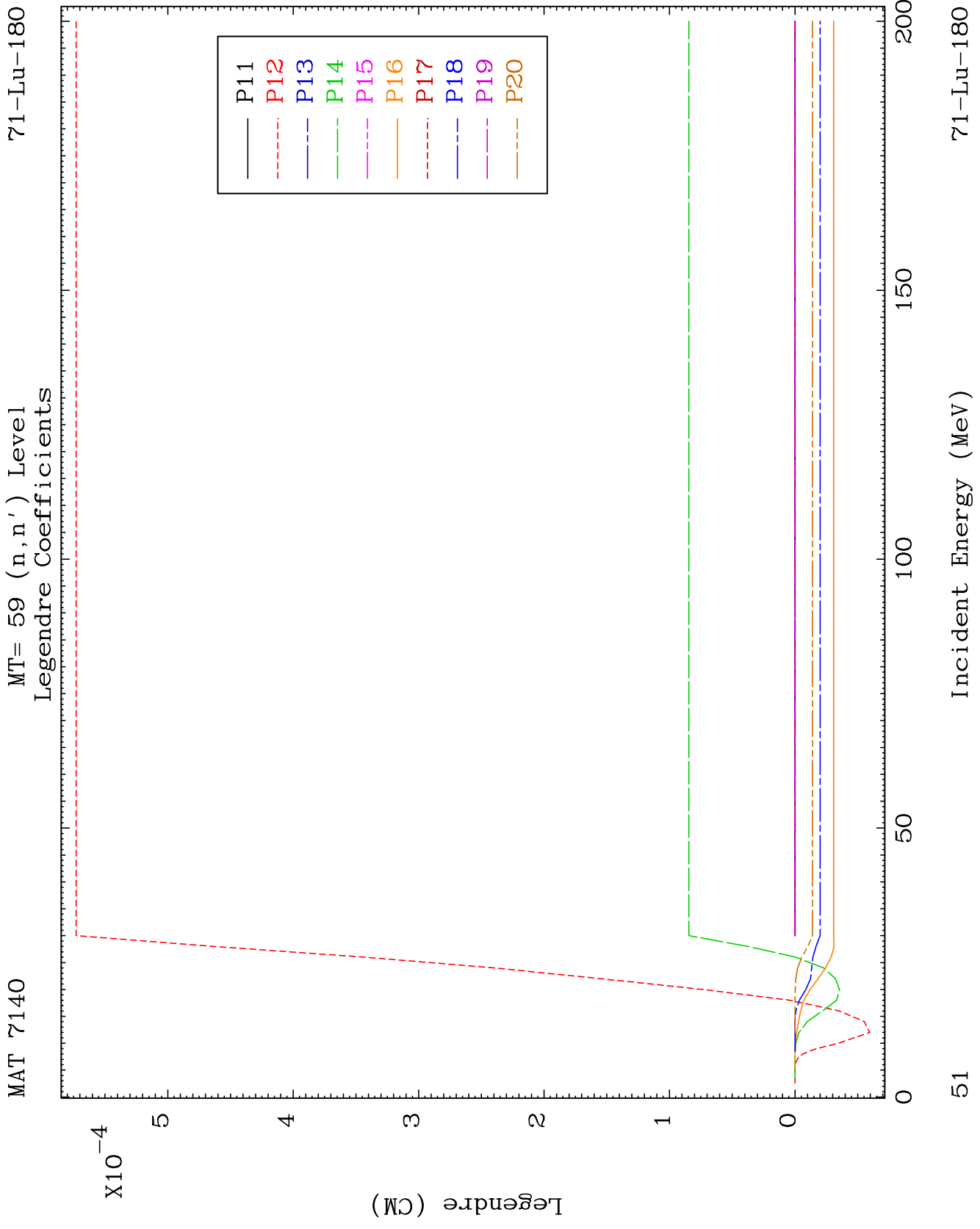
71-Lu-180

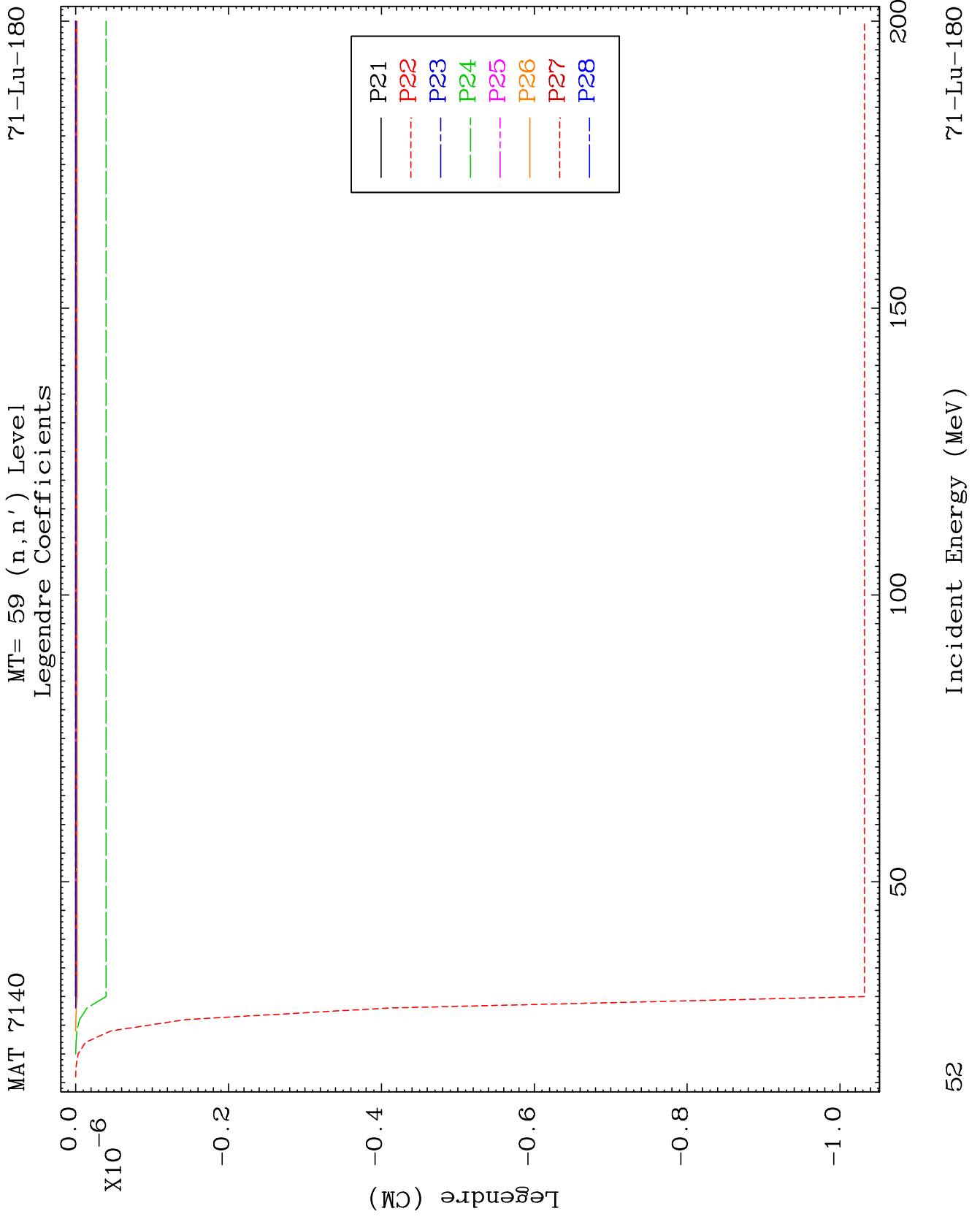


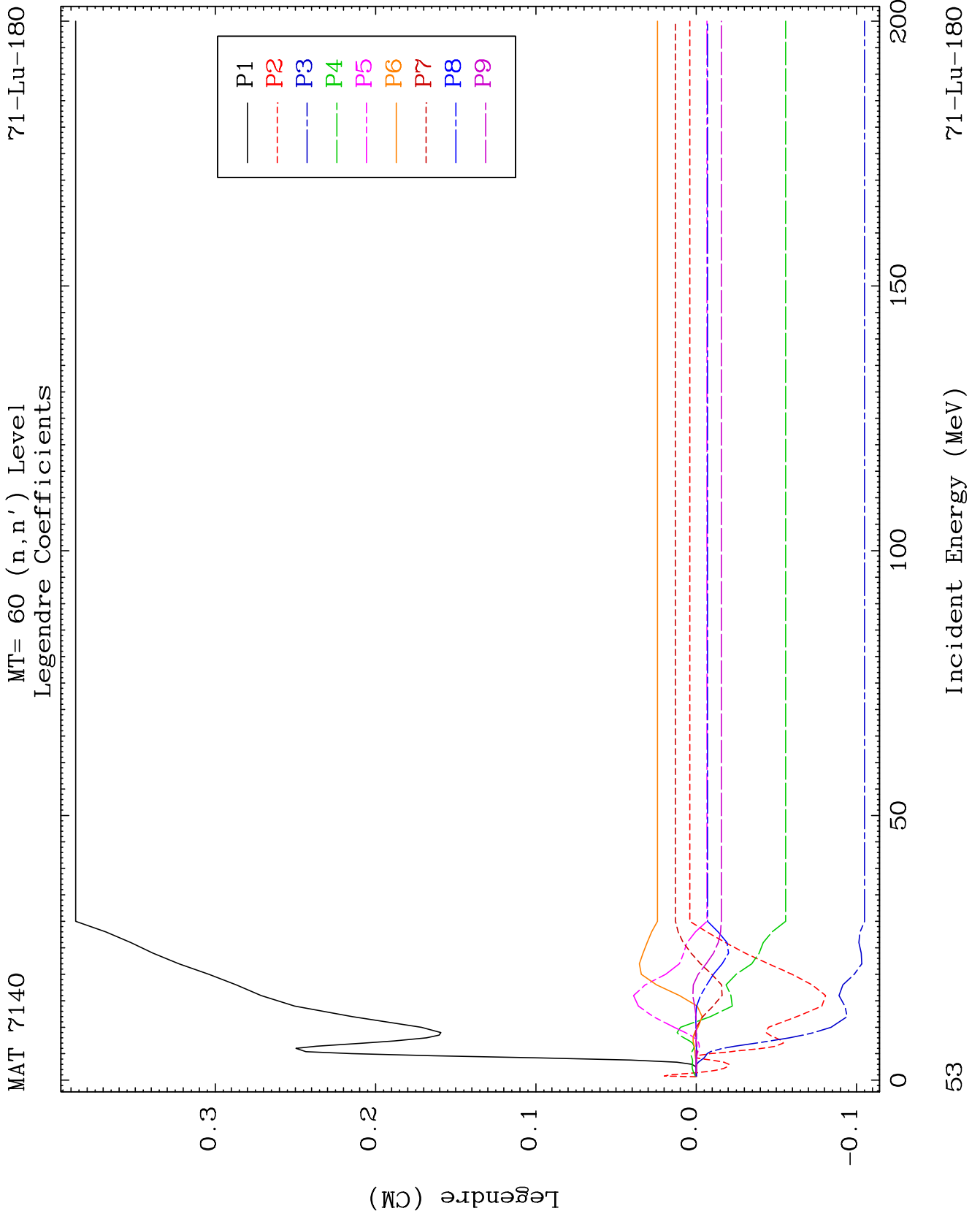
49

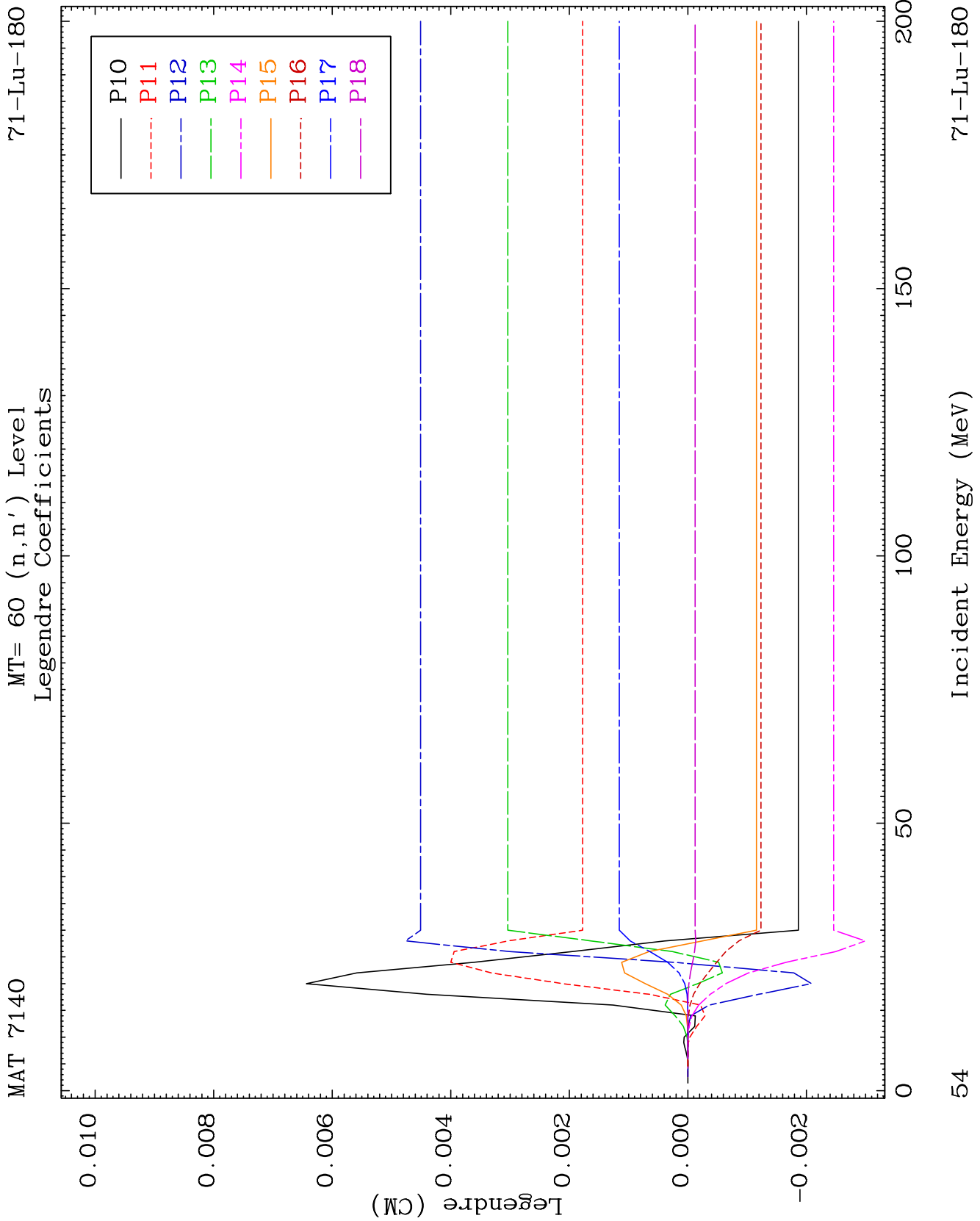
Incident Energy (MeV)

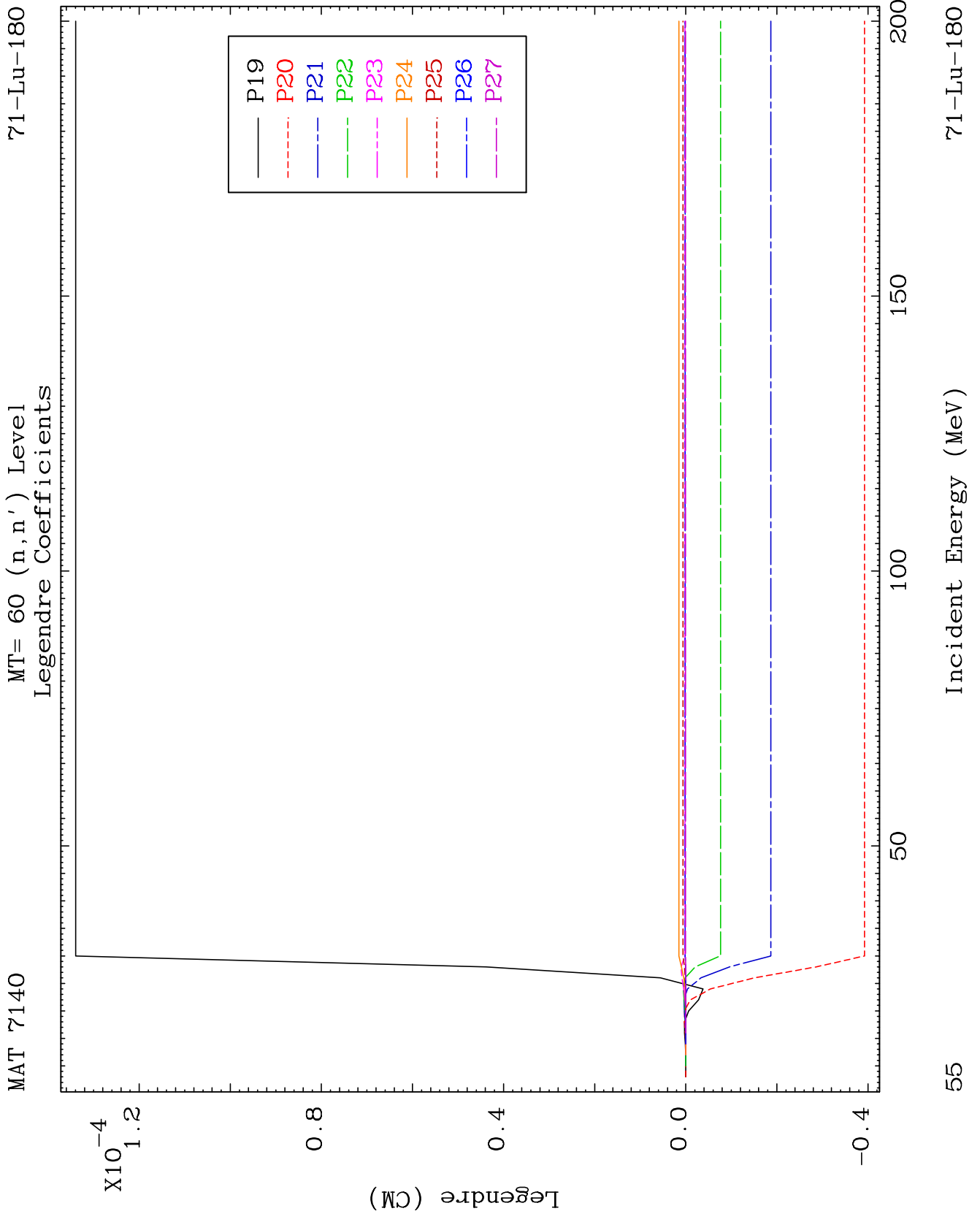
71-Lu-180







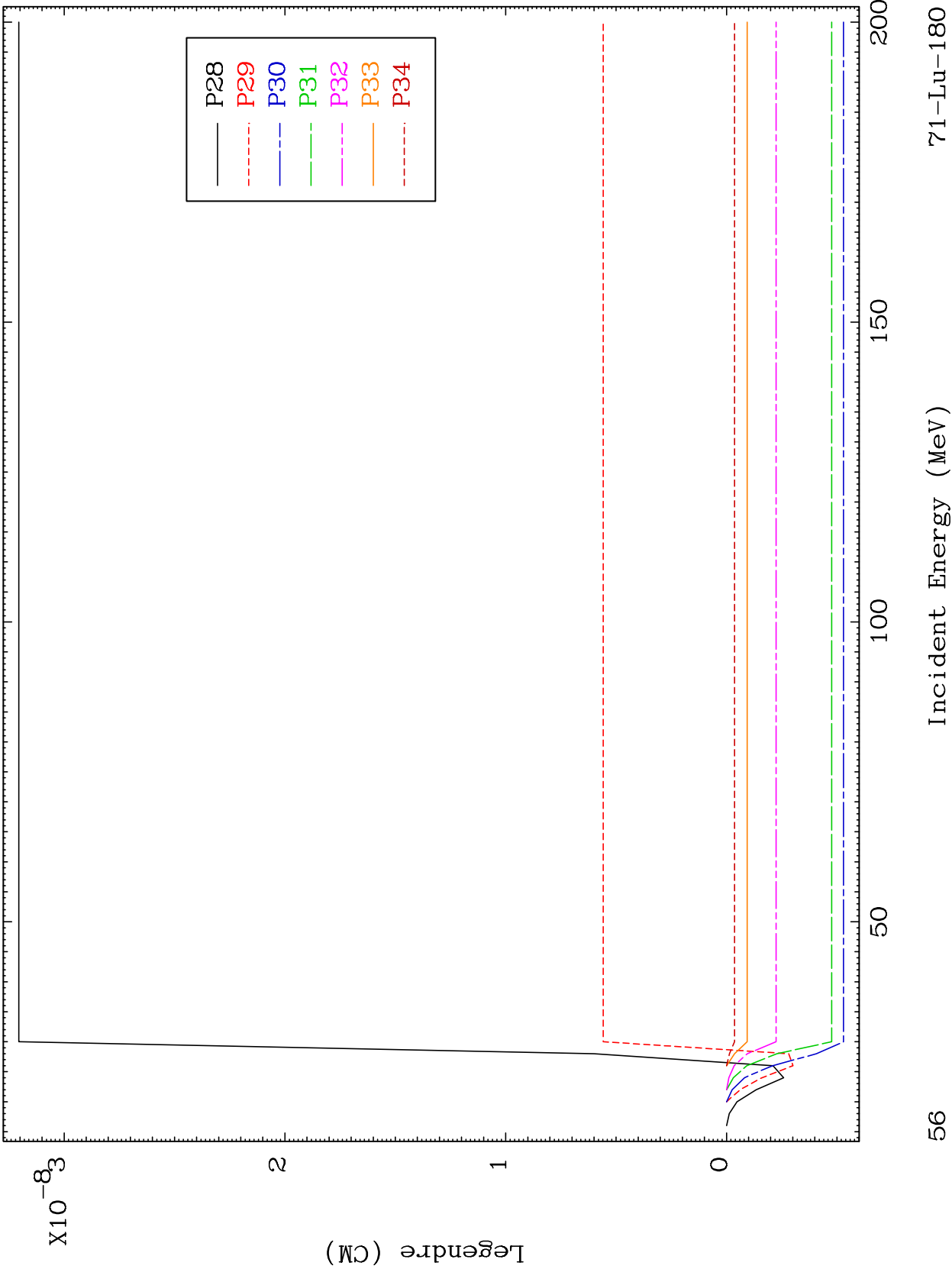


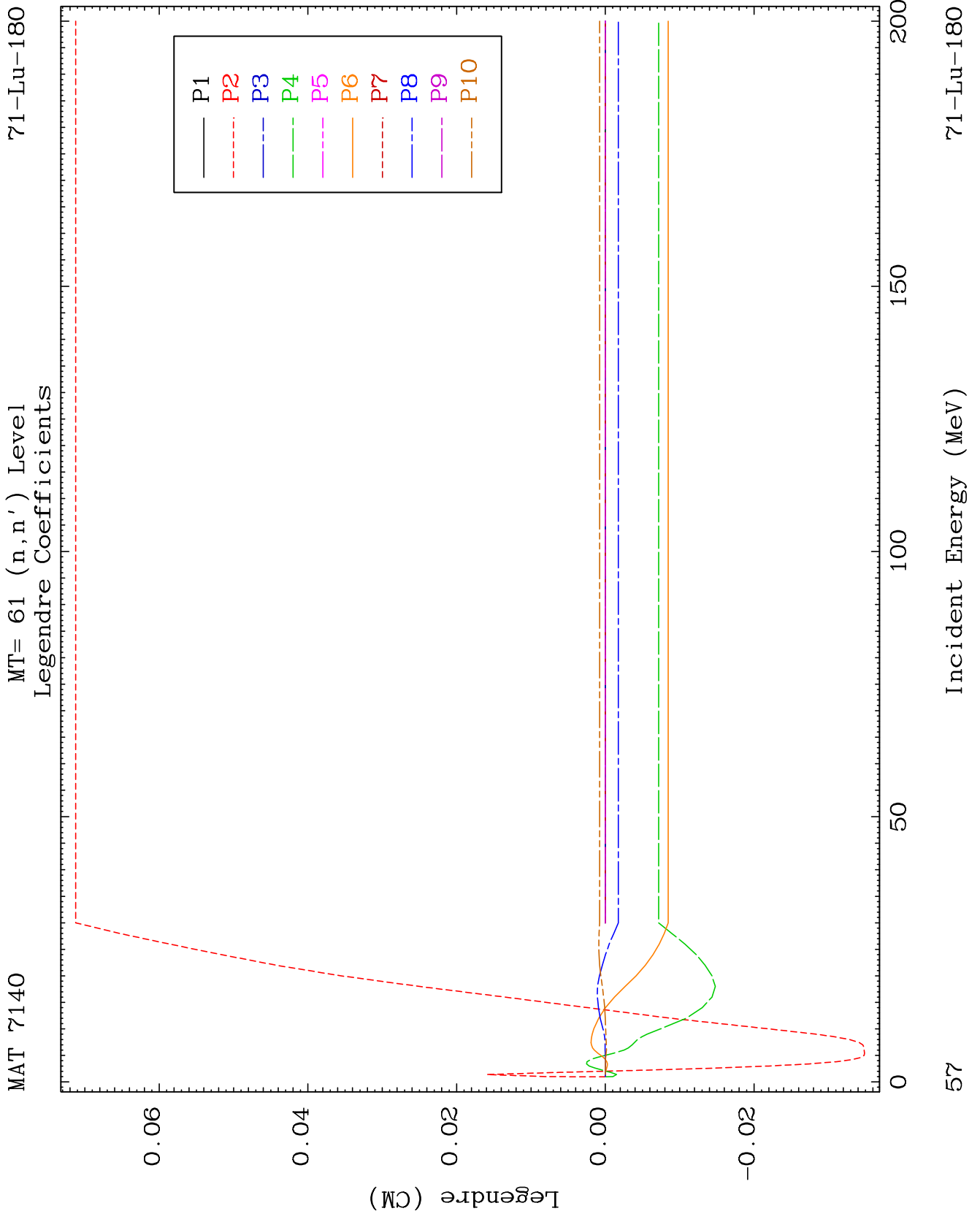


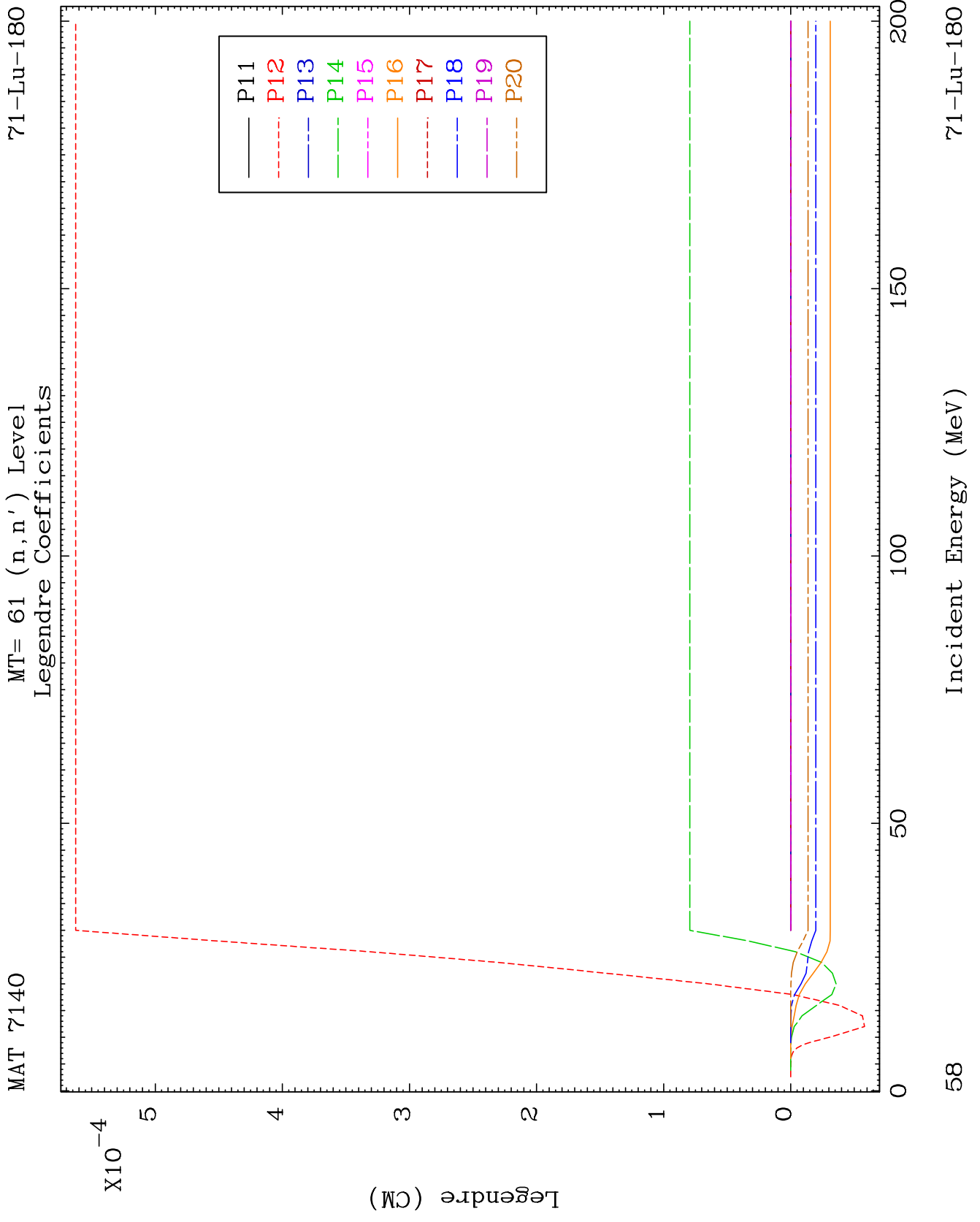
MAT 7140

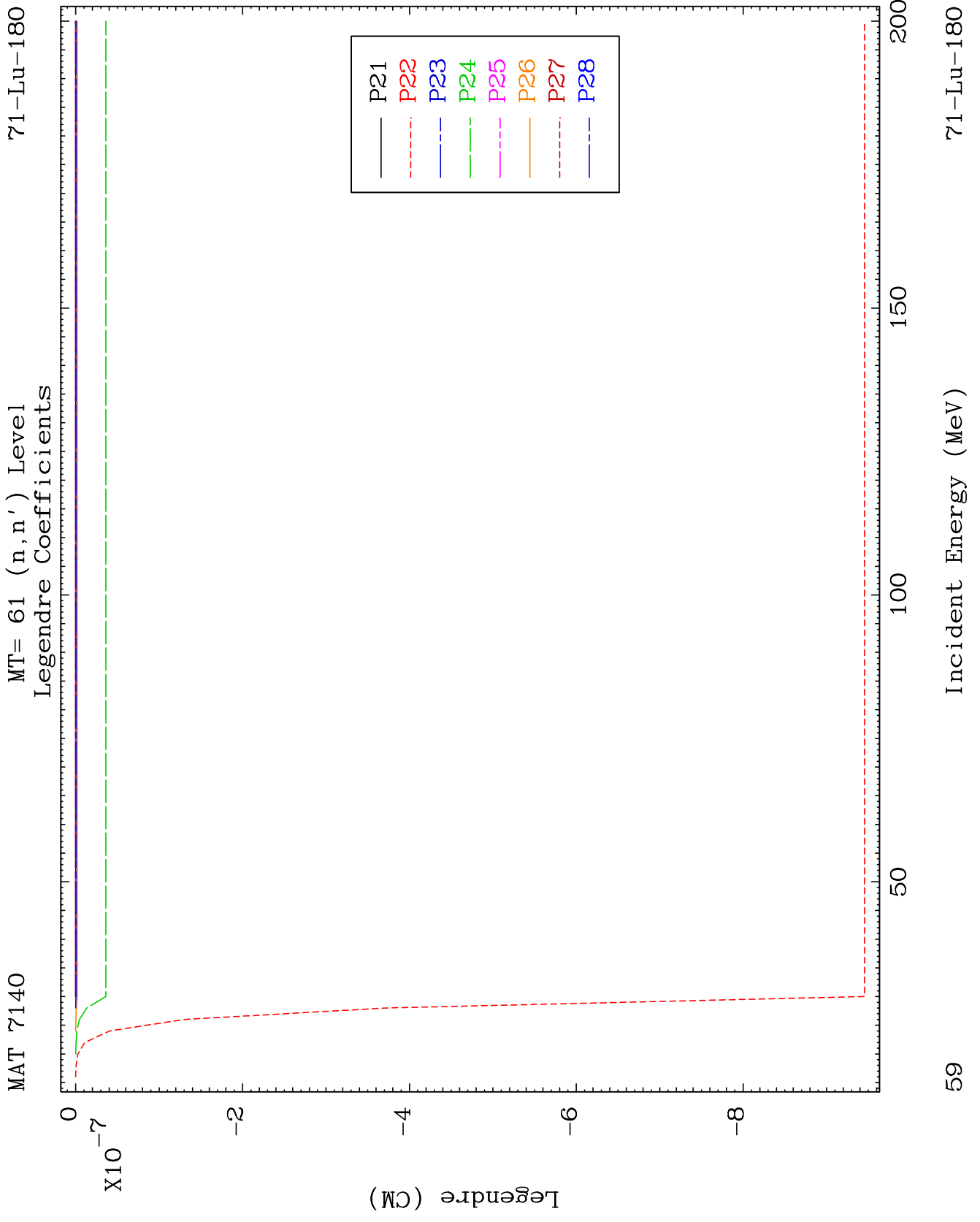
MT= 60 (n,n') Level
Legendre Coefficients

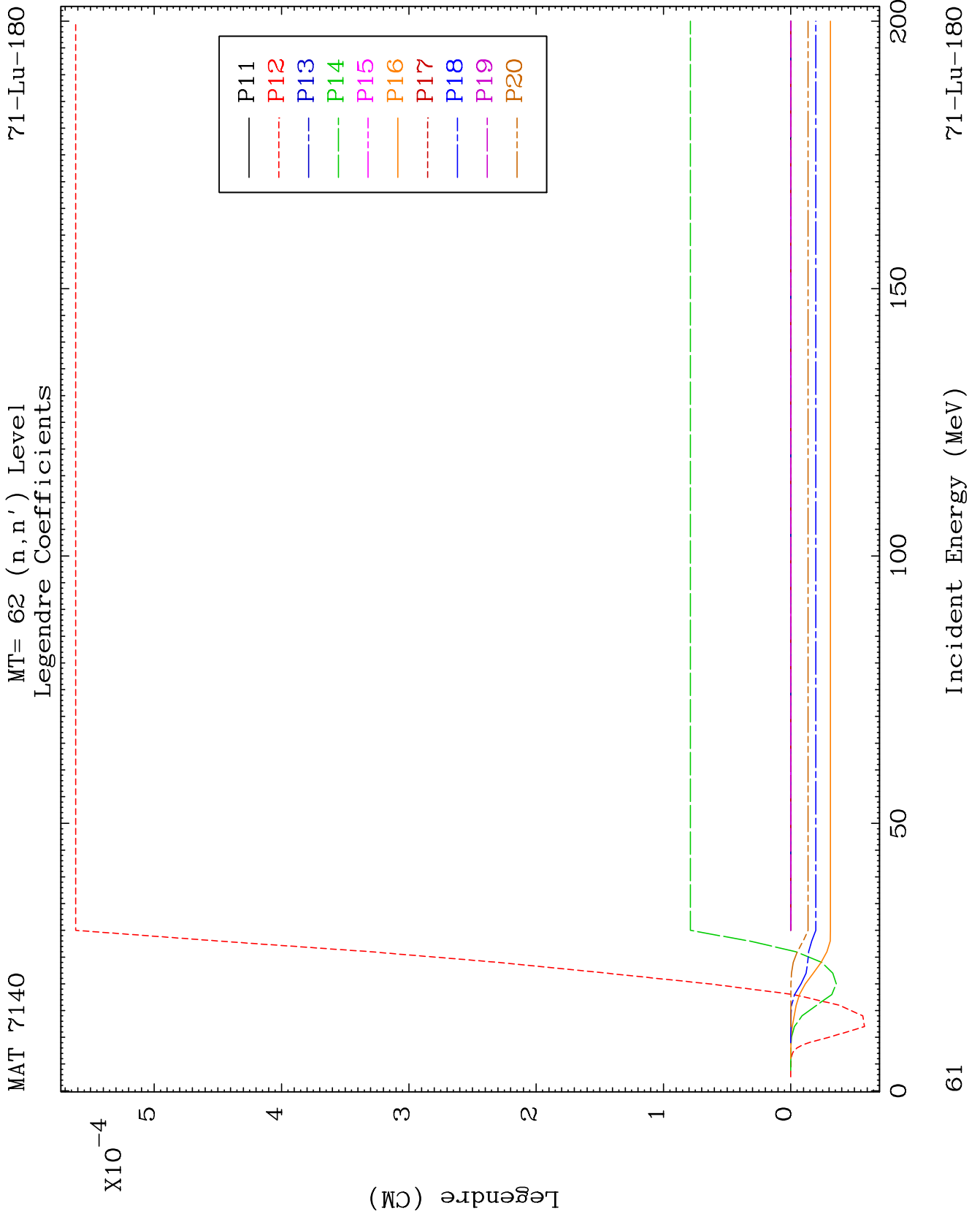
71-Lu-180

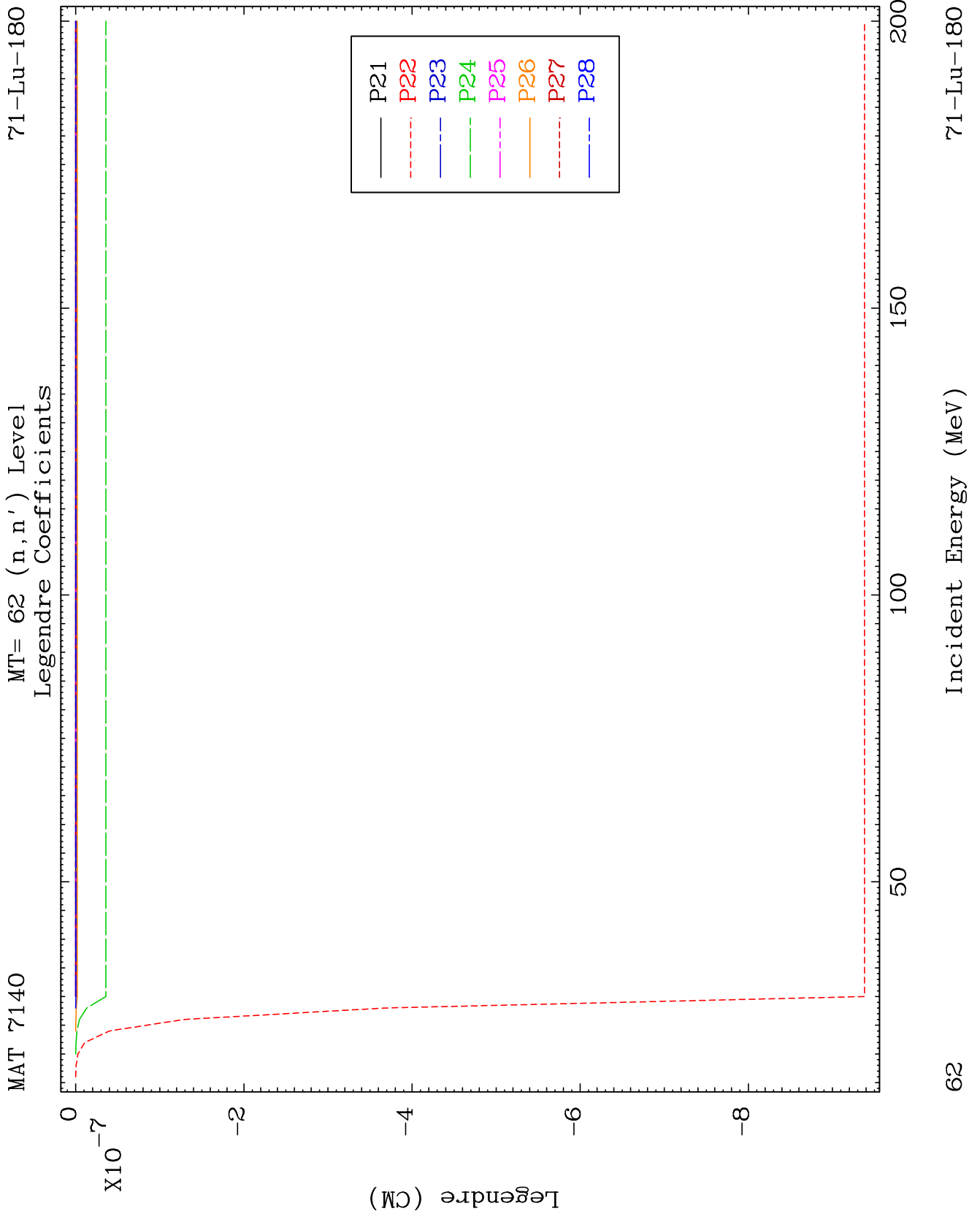


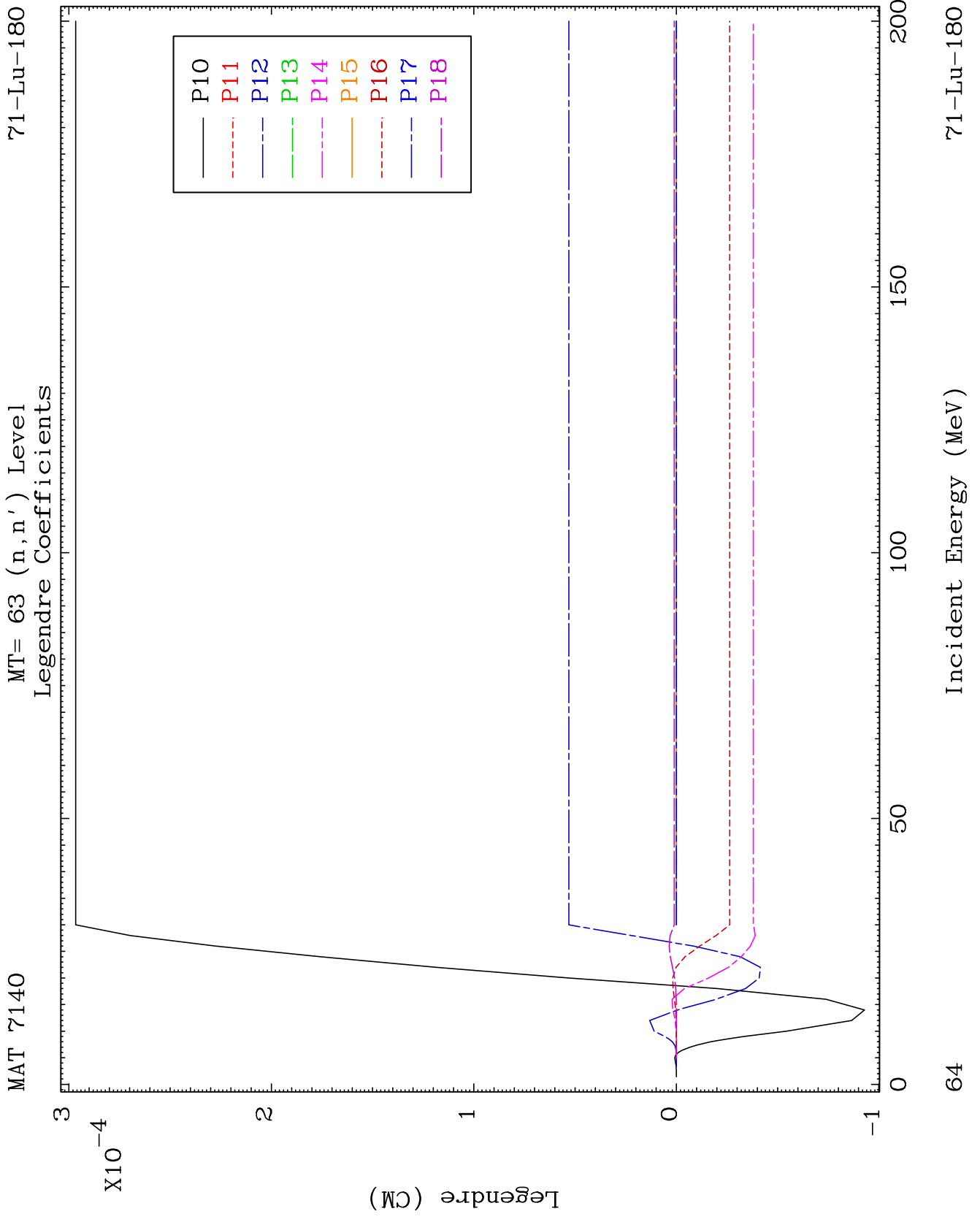








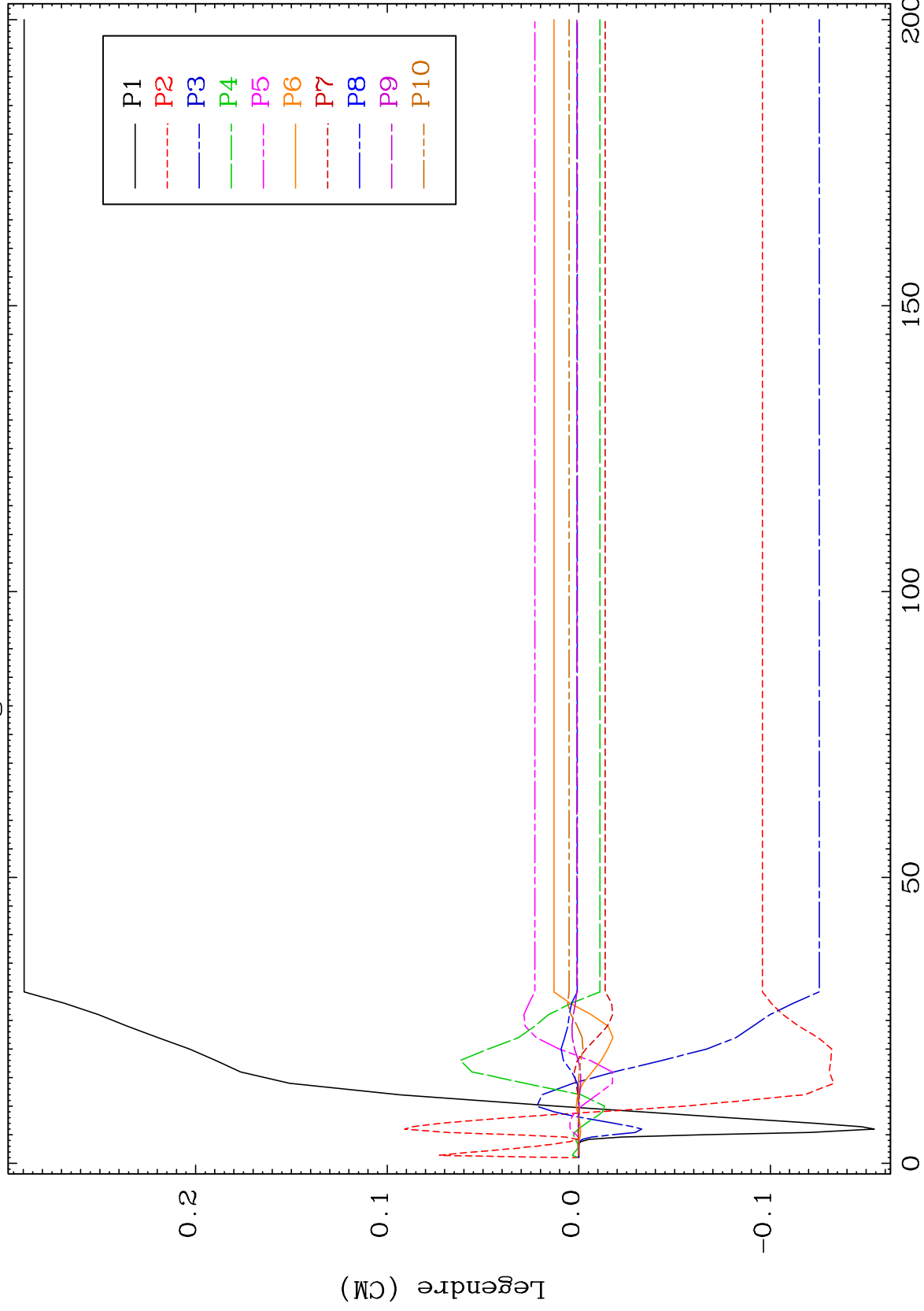




MAT 7140

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

71-Lu-180



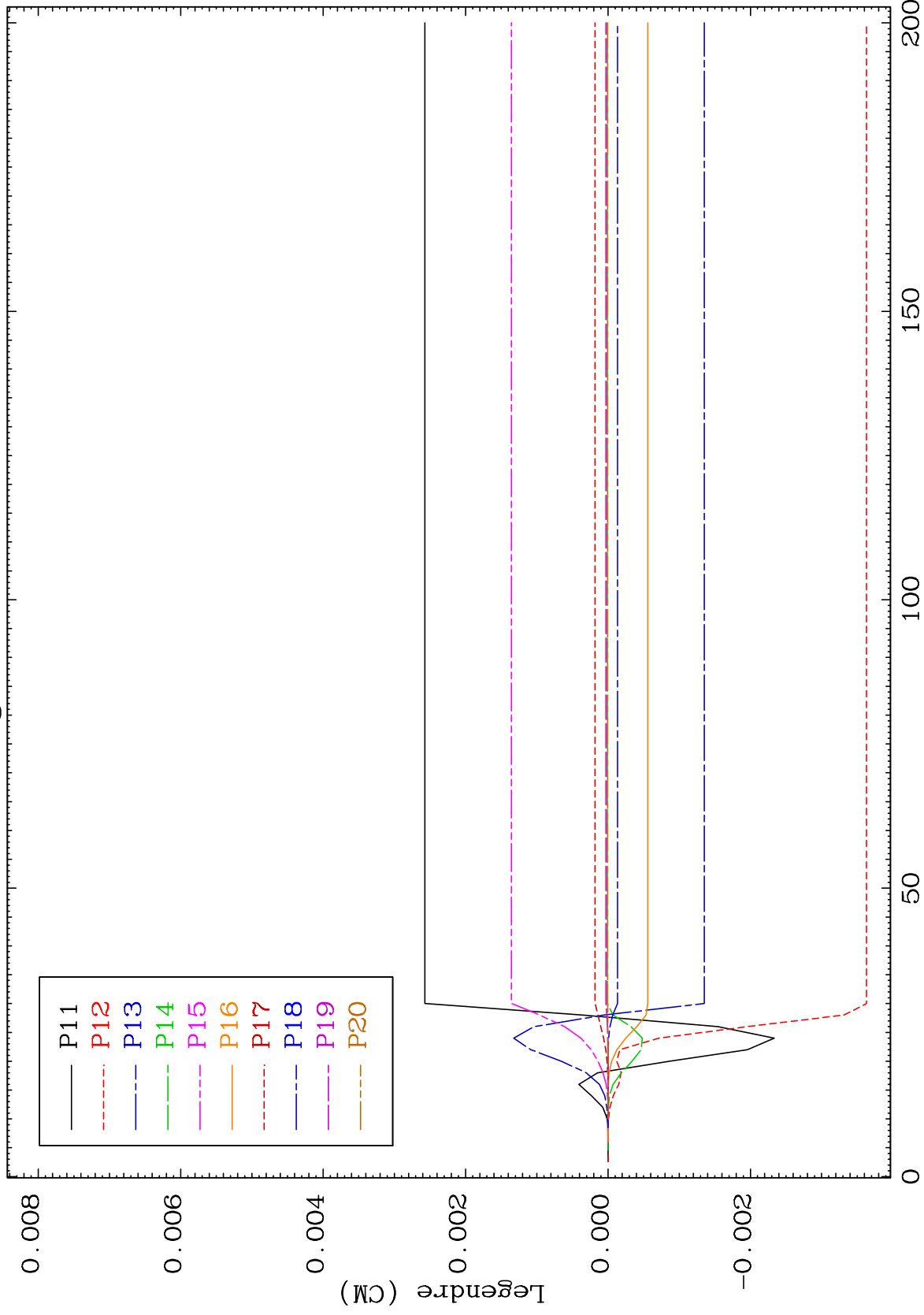
66

71-Lu-180

MAT 7140

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

71-Lu-180



67

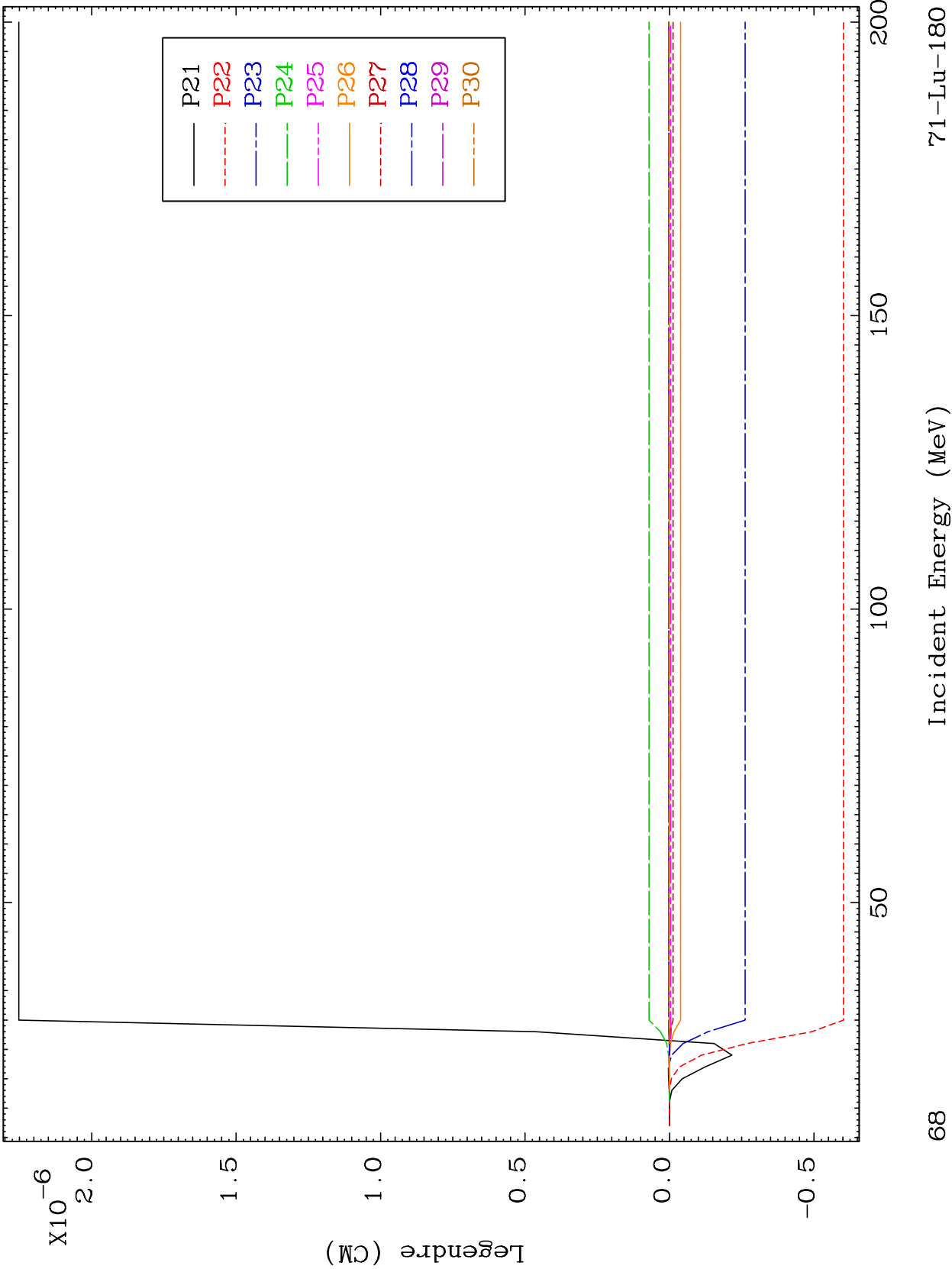
Incident Energy (MeV)

71-Lu-180

MAT 7140

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

71-Lu-180



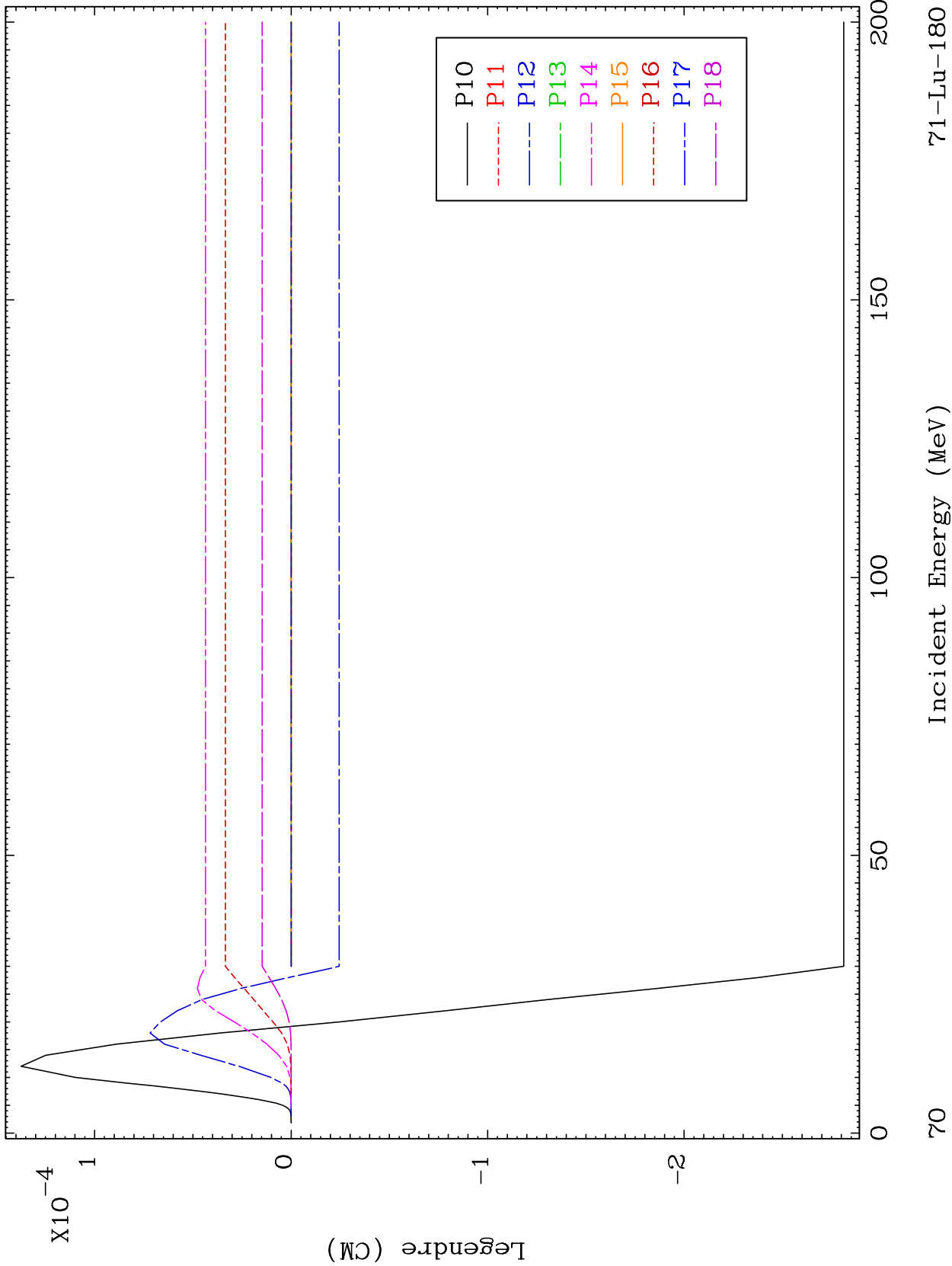
68

71-Lu-180

MAT 7140

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

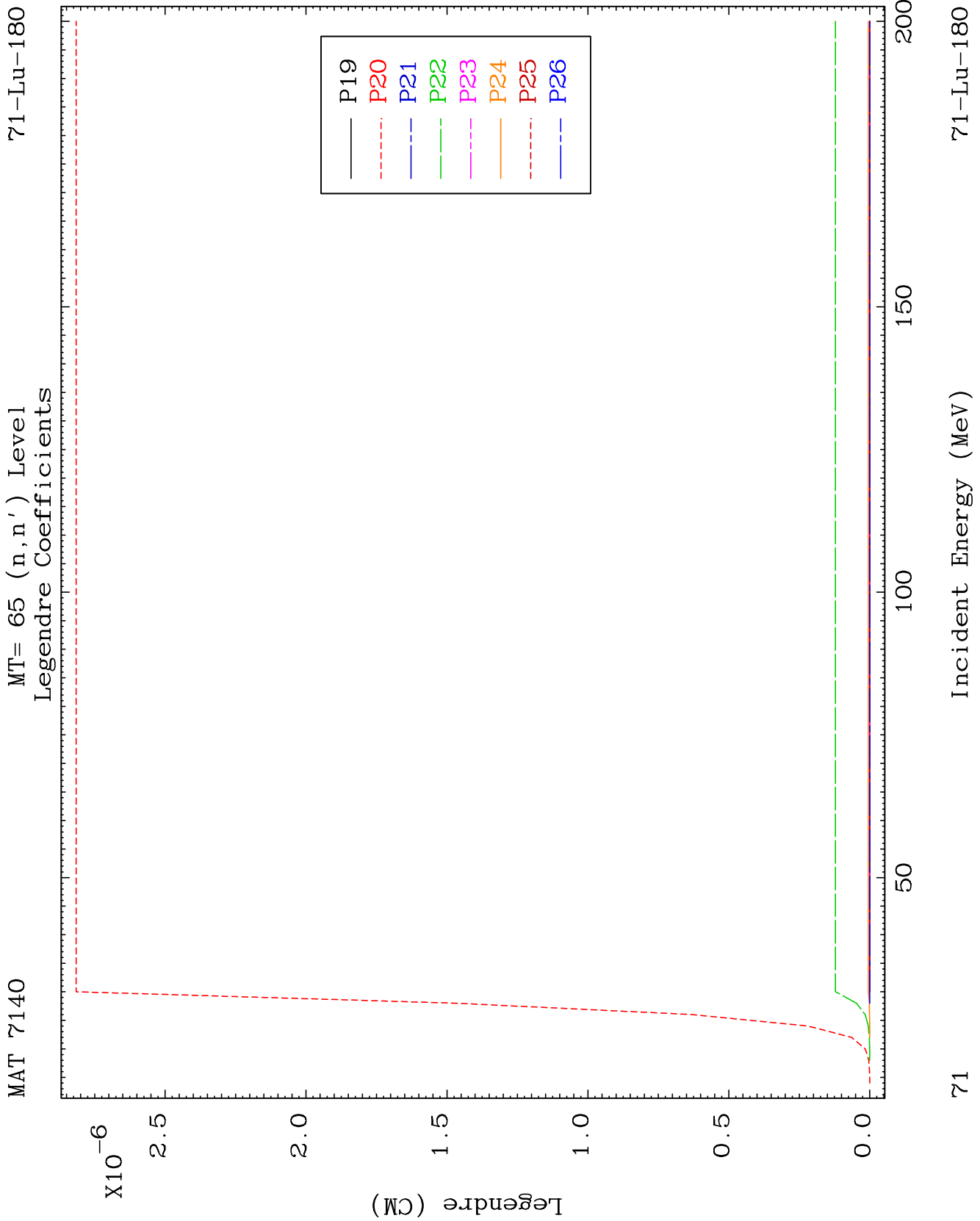
71-Lu-180

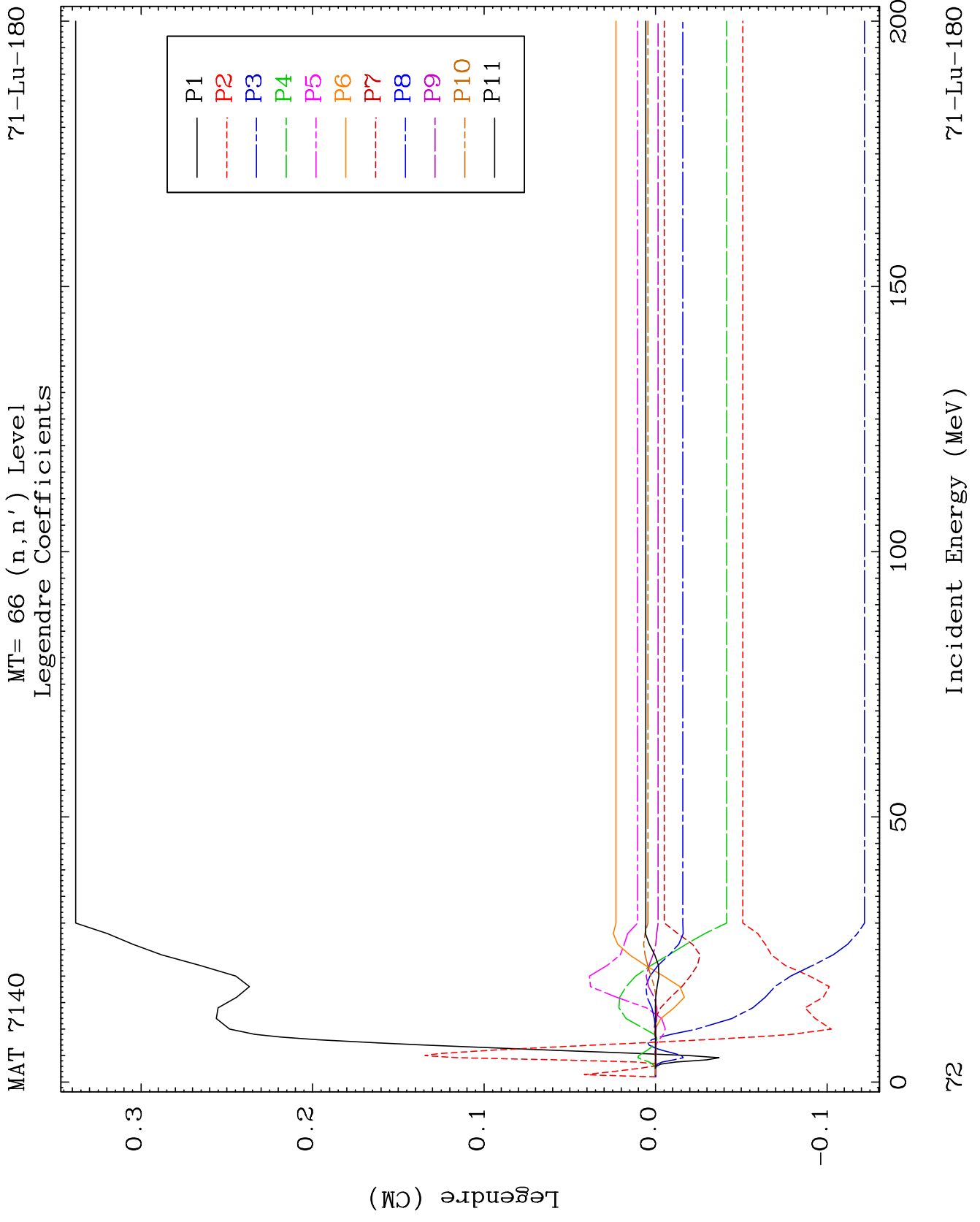


71-Lu-180

Incident Energy (MeV)

70

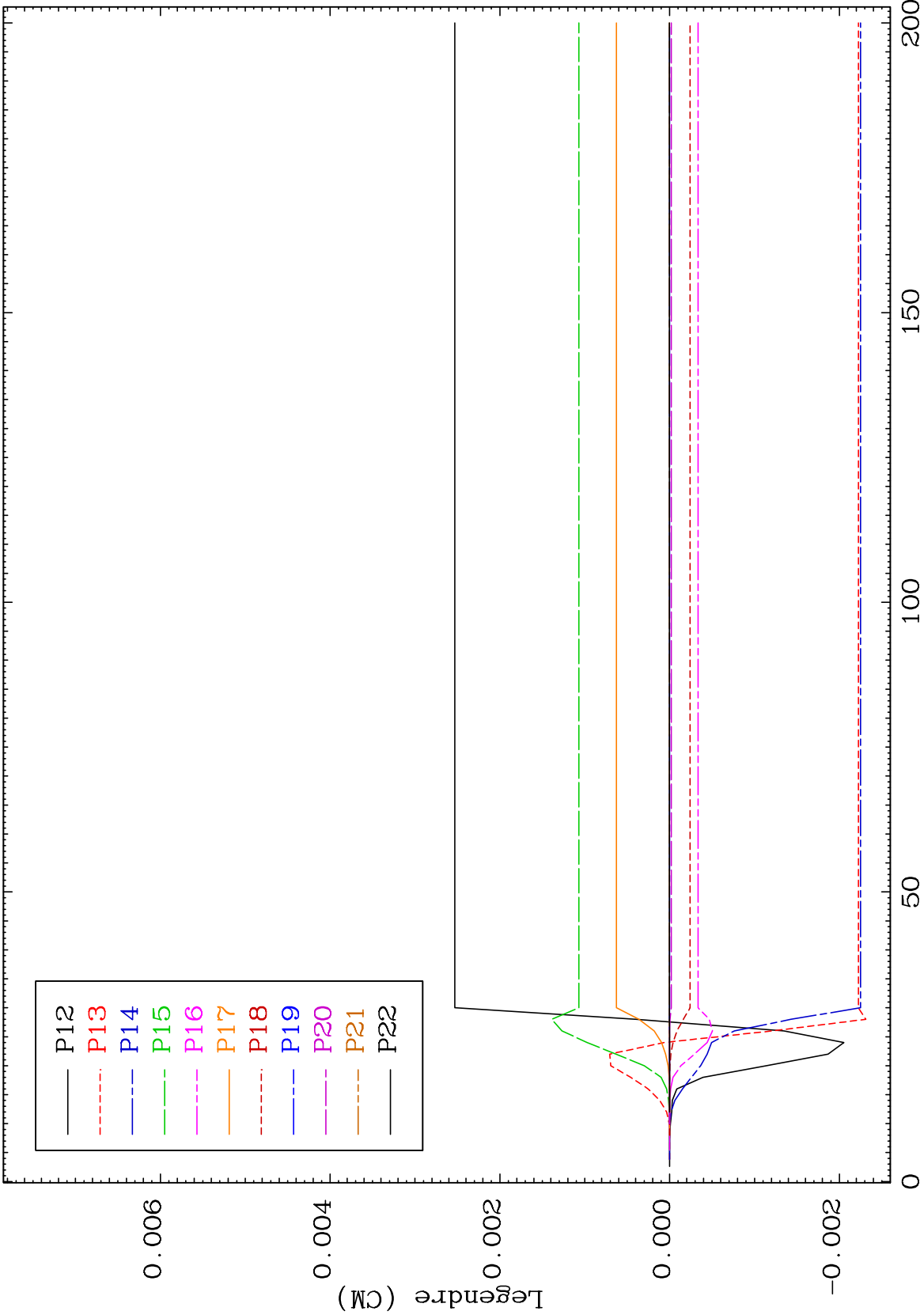




MAT 7140

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

71-Lu-180



73

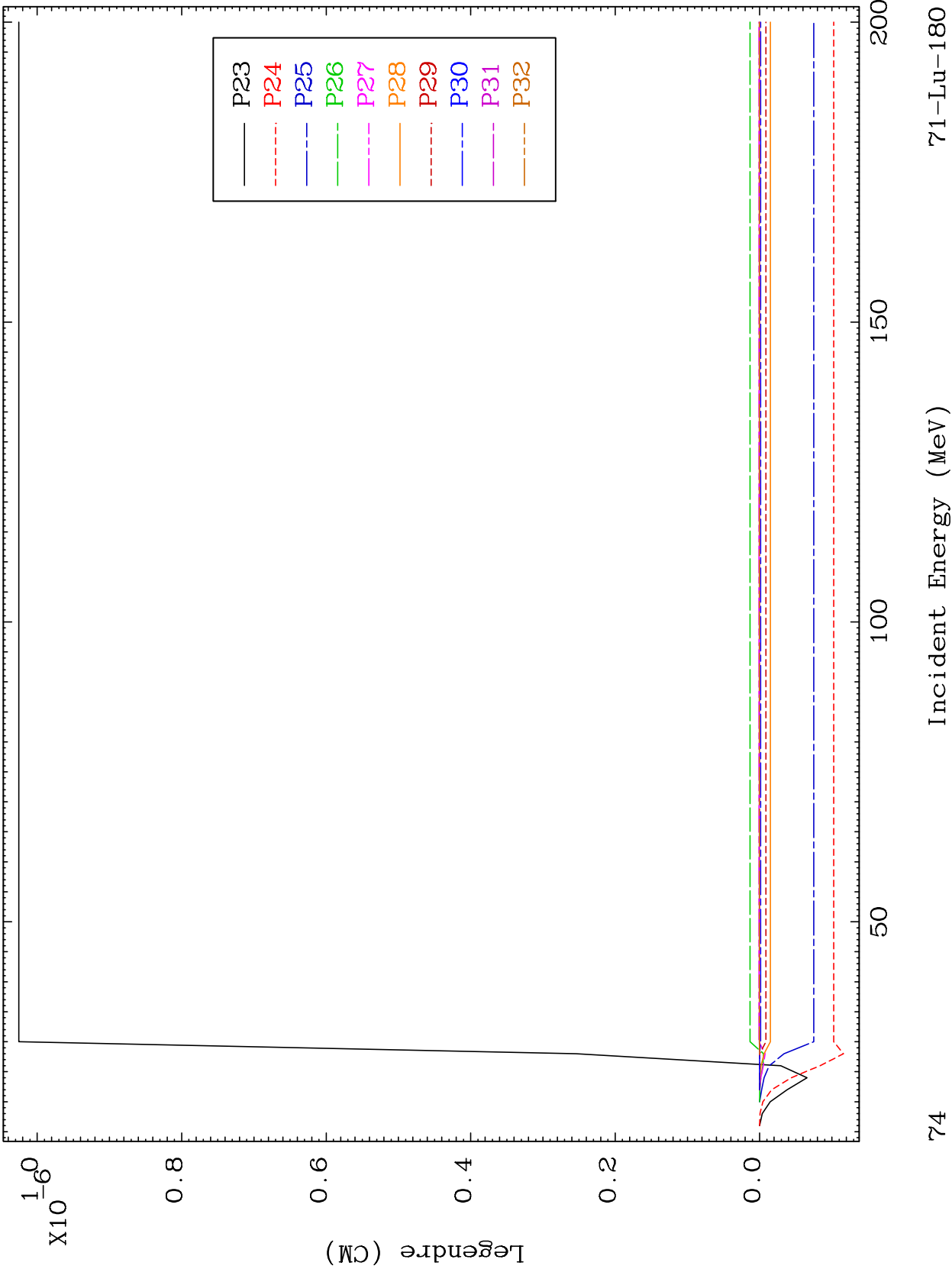
Incident Energy (MeV)

71-Lu-180

MAT 7140

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

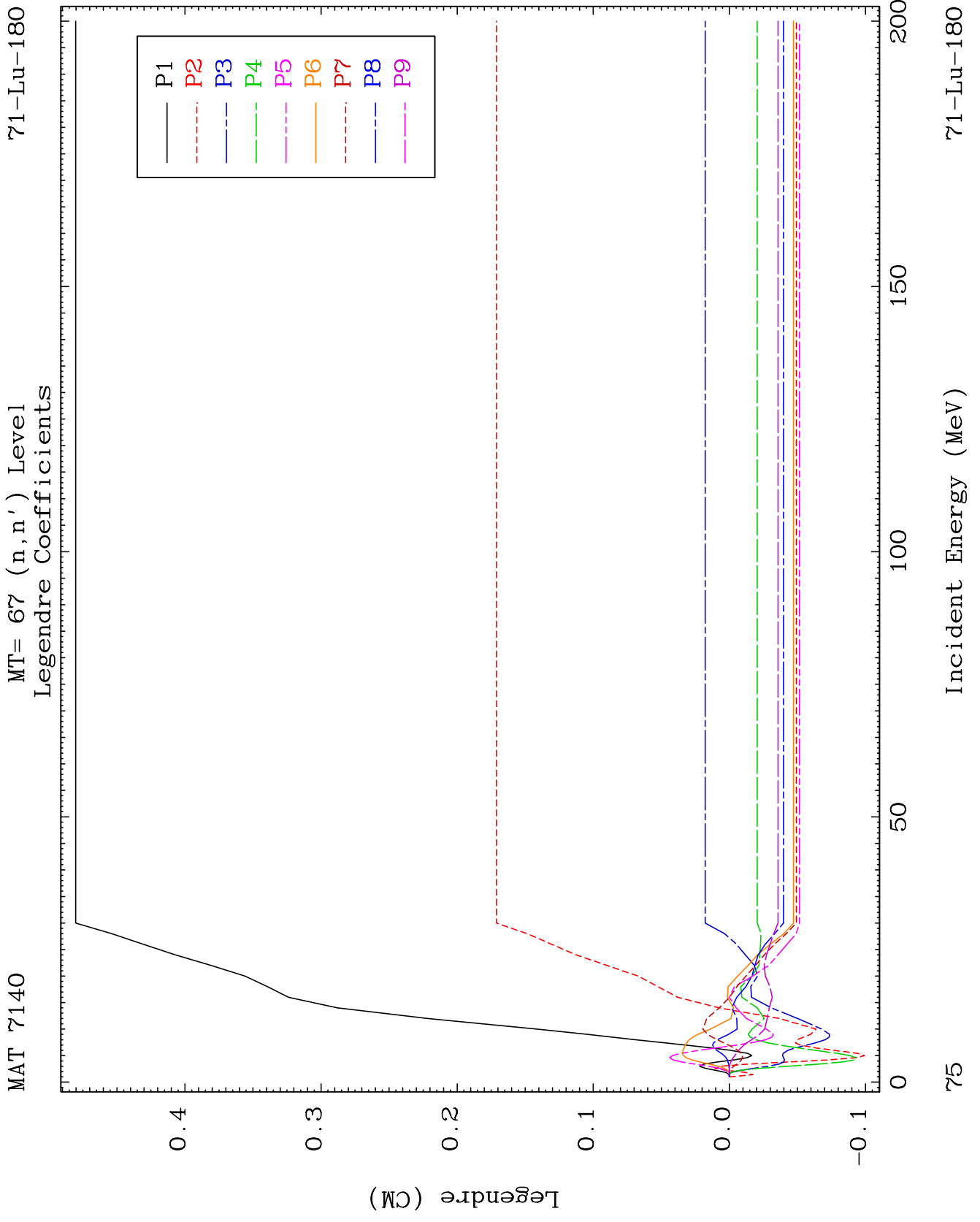
71-Lu-180

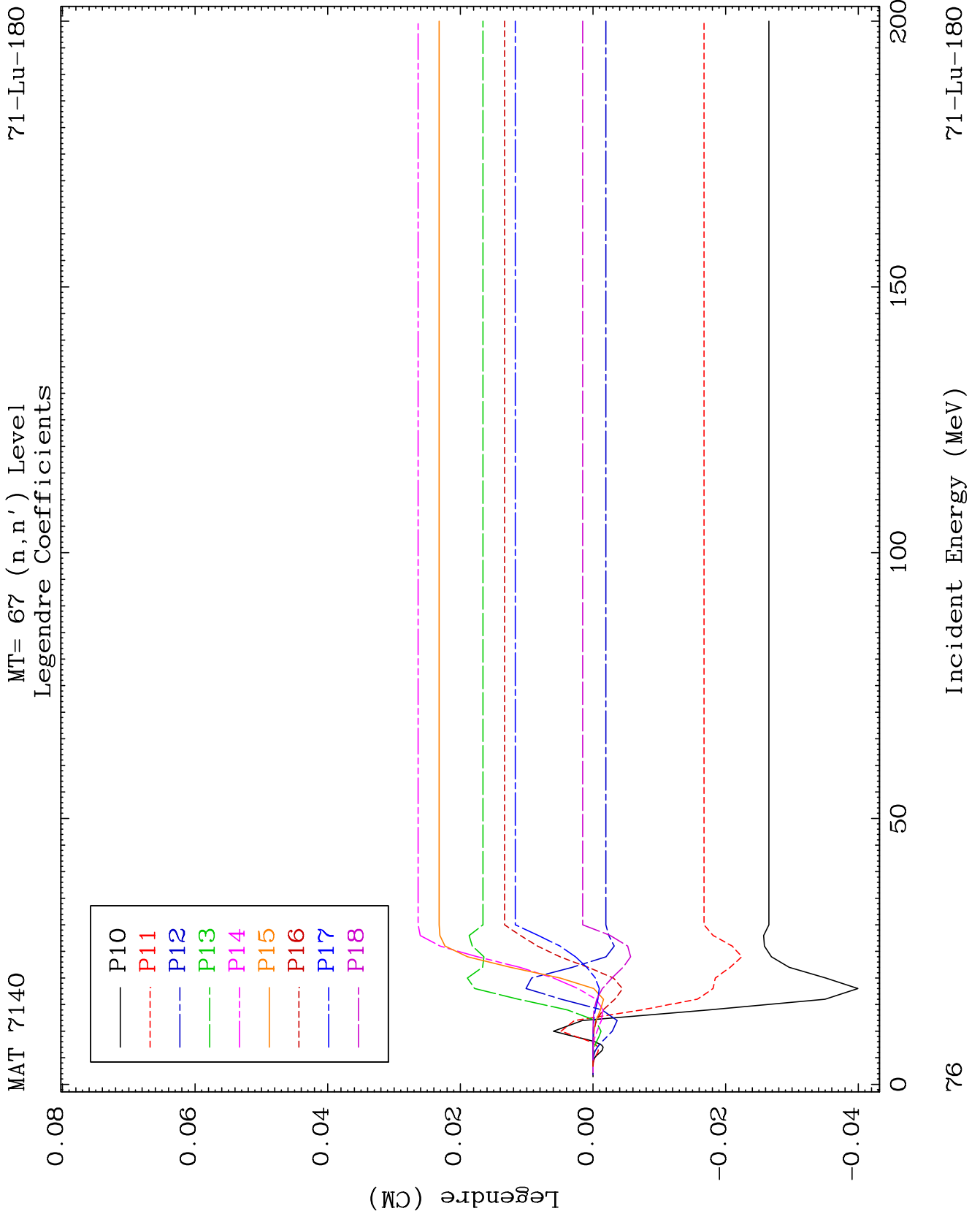


74

Incident Energy (MeV)

71-Lu-180

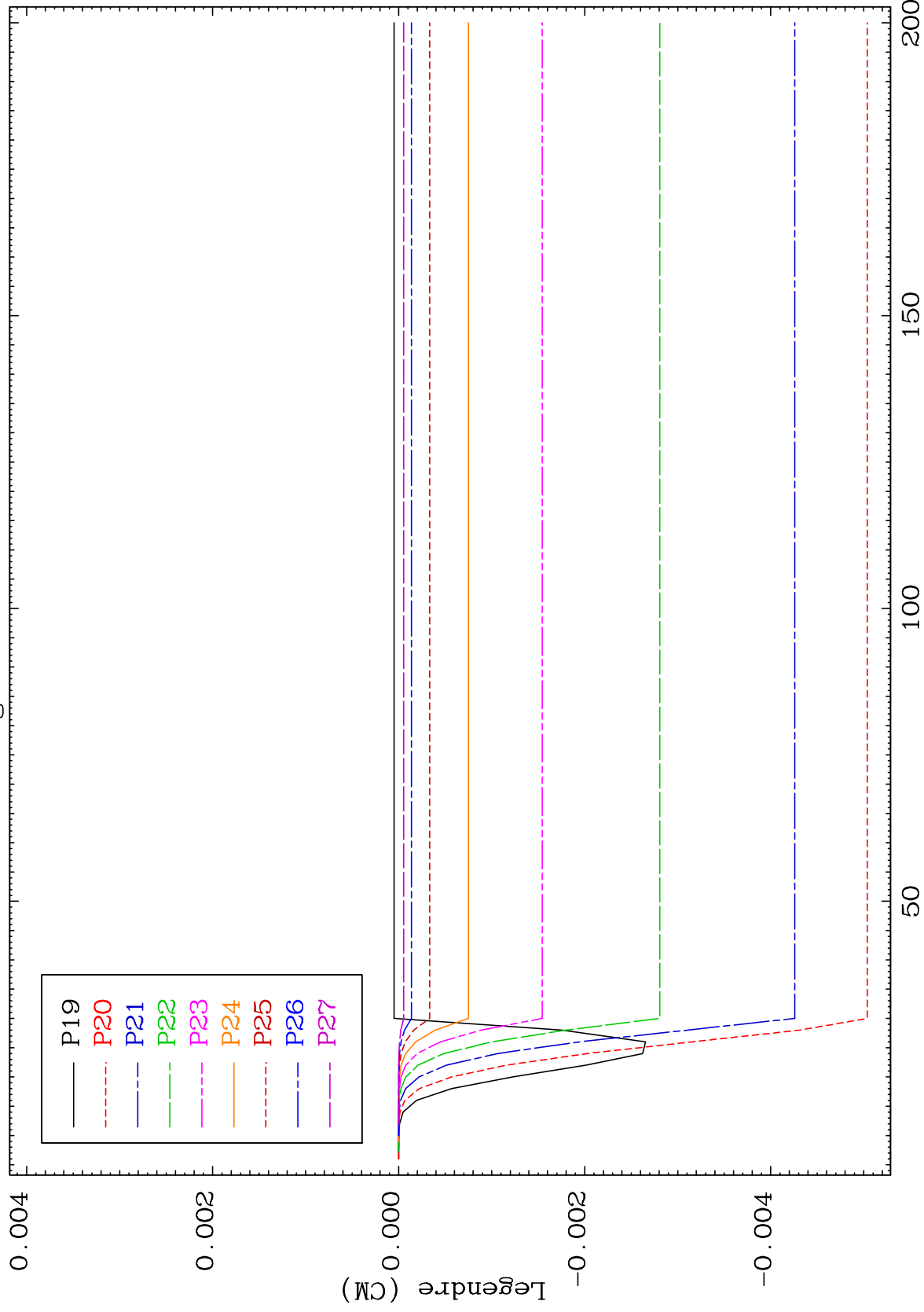




MAT 7140

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

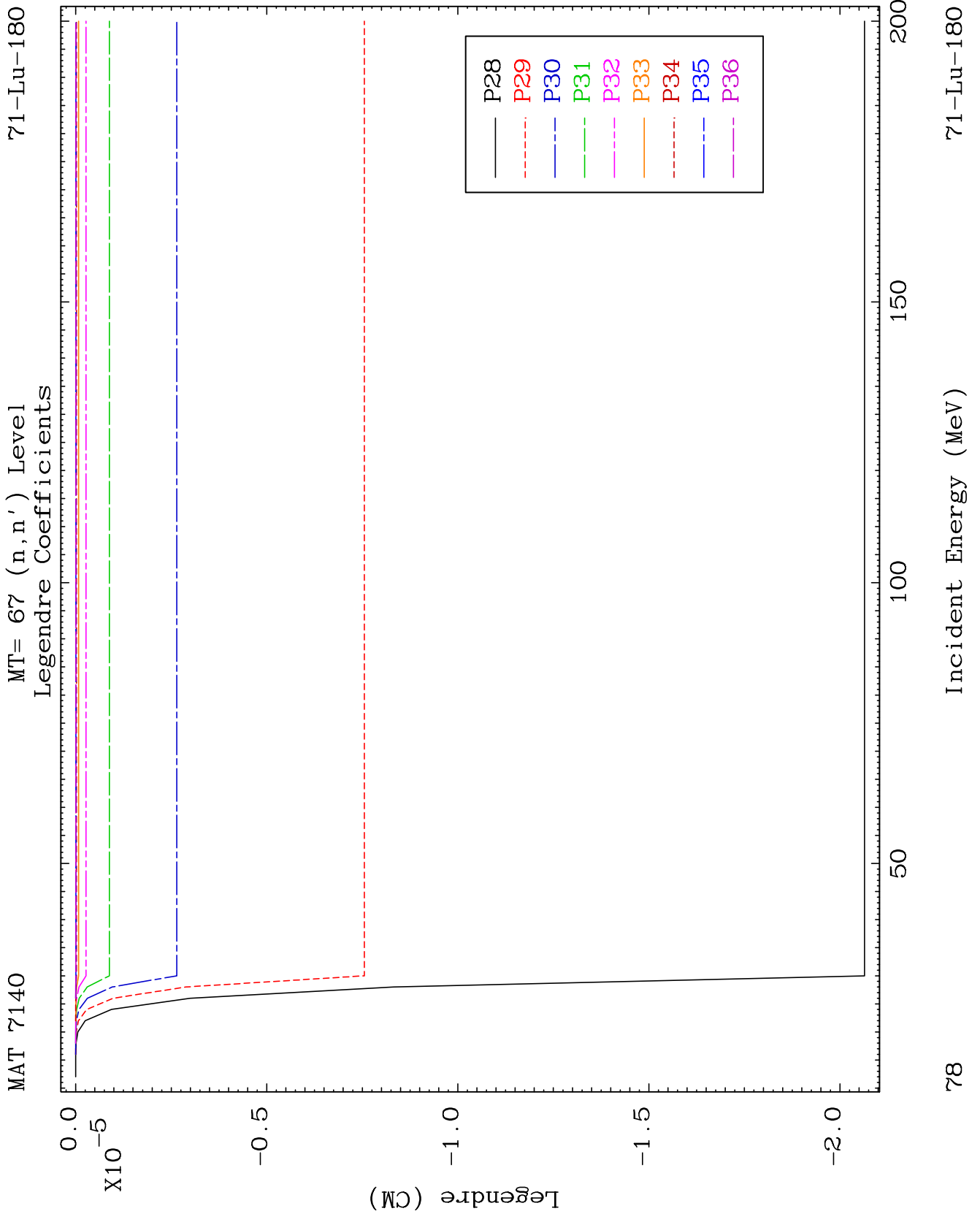
71-Lu-180

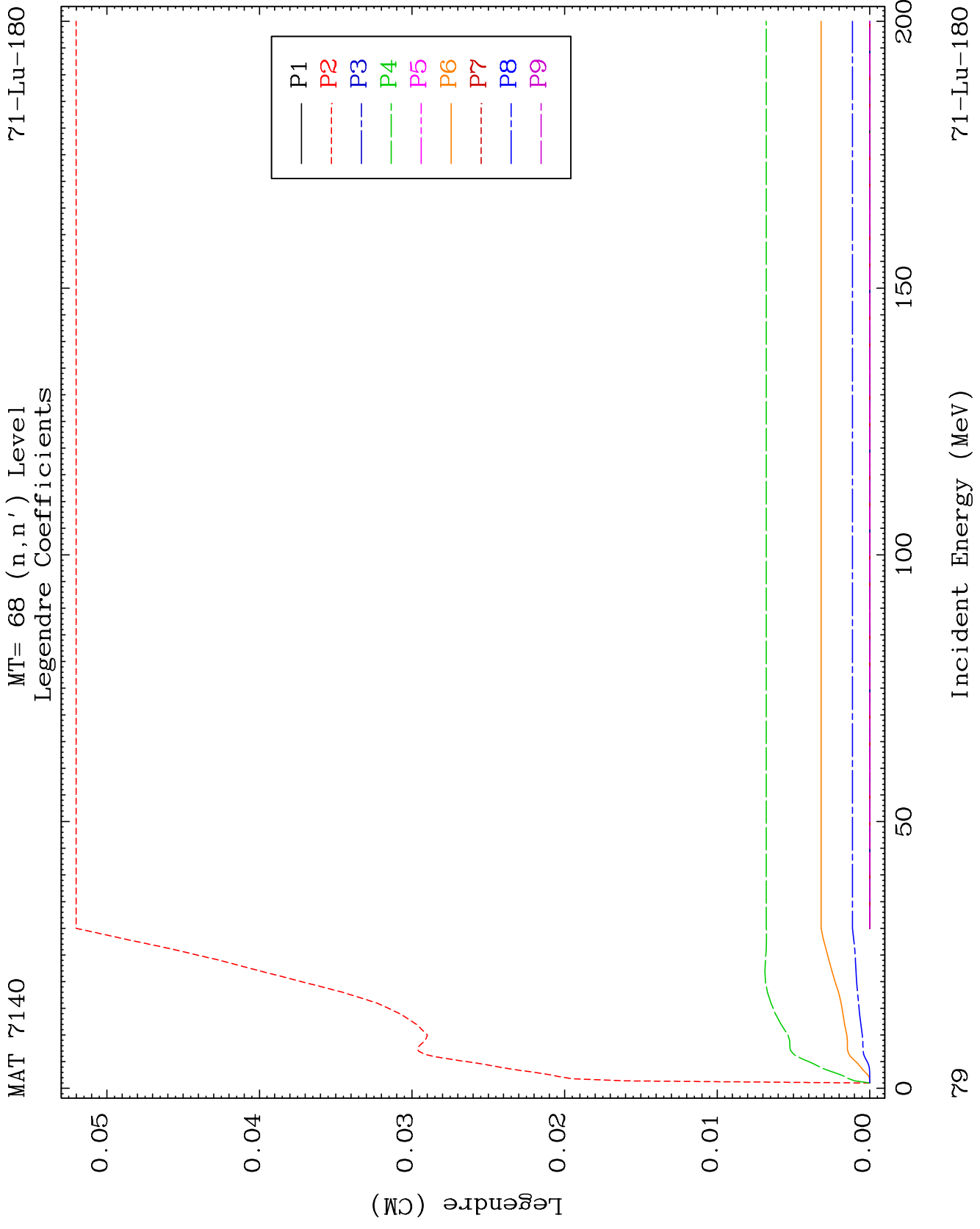


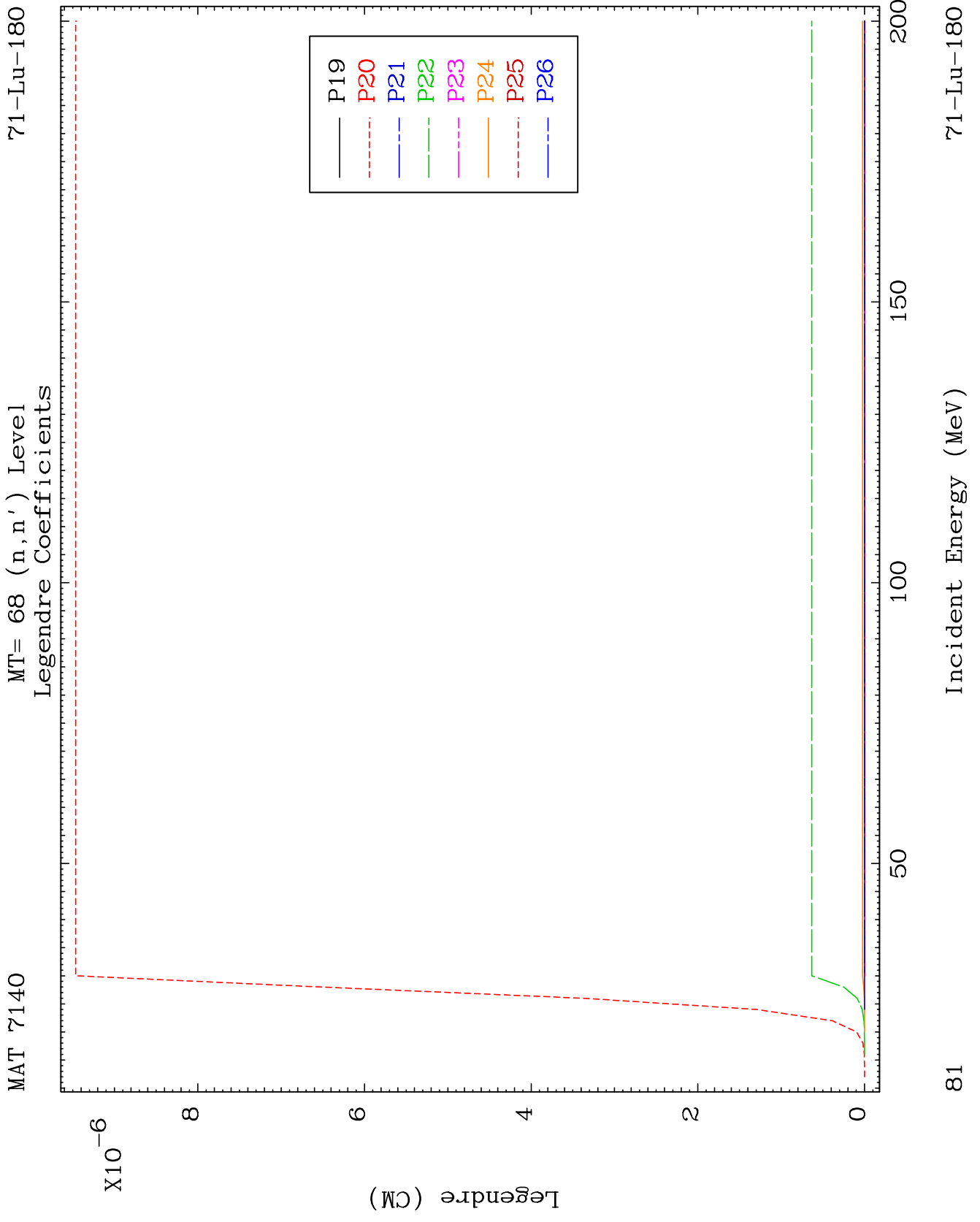
77

Incident Energy (MeV)

71-Lu-180



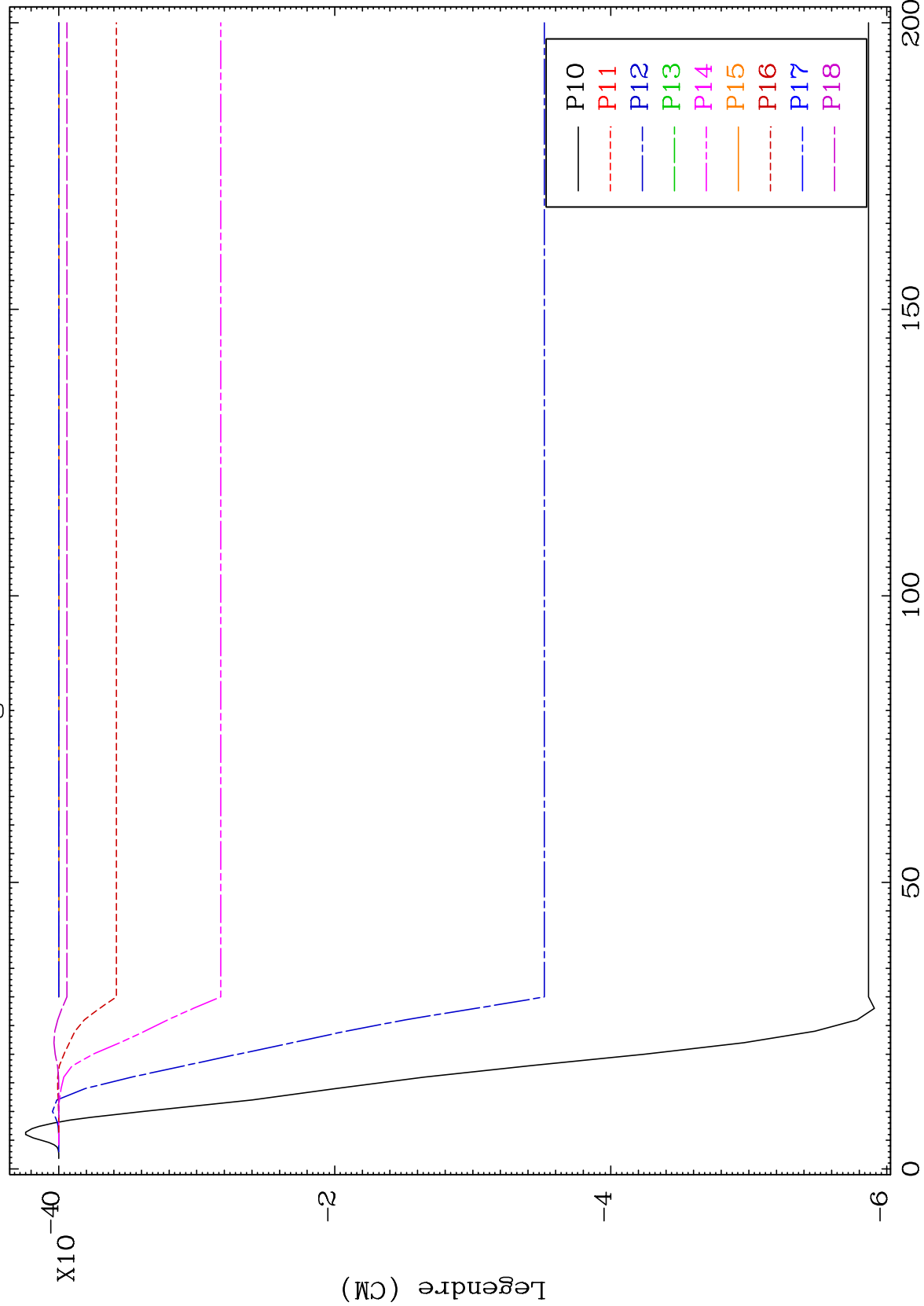




MAT 7140

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

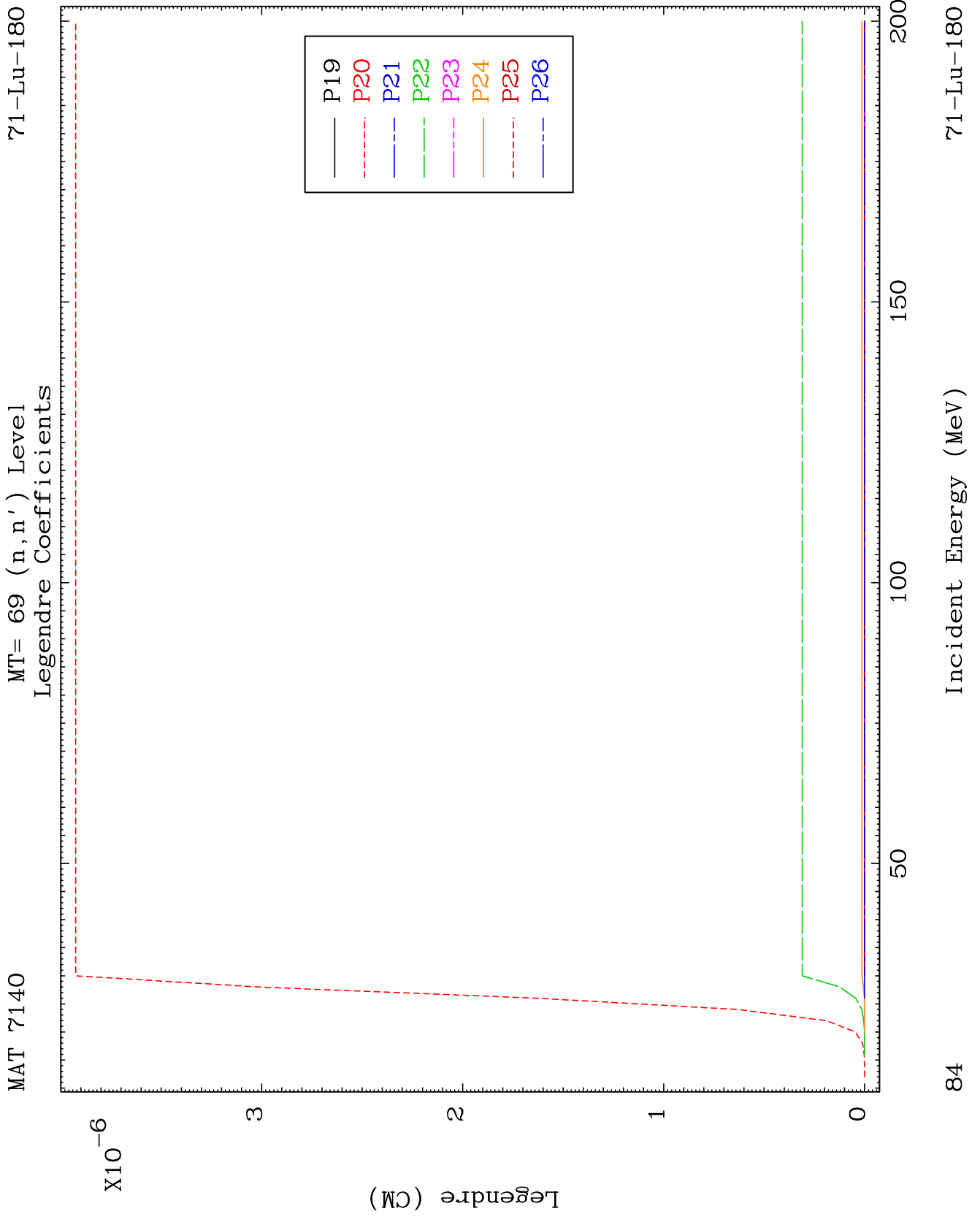
71-Lu-180

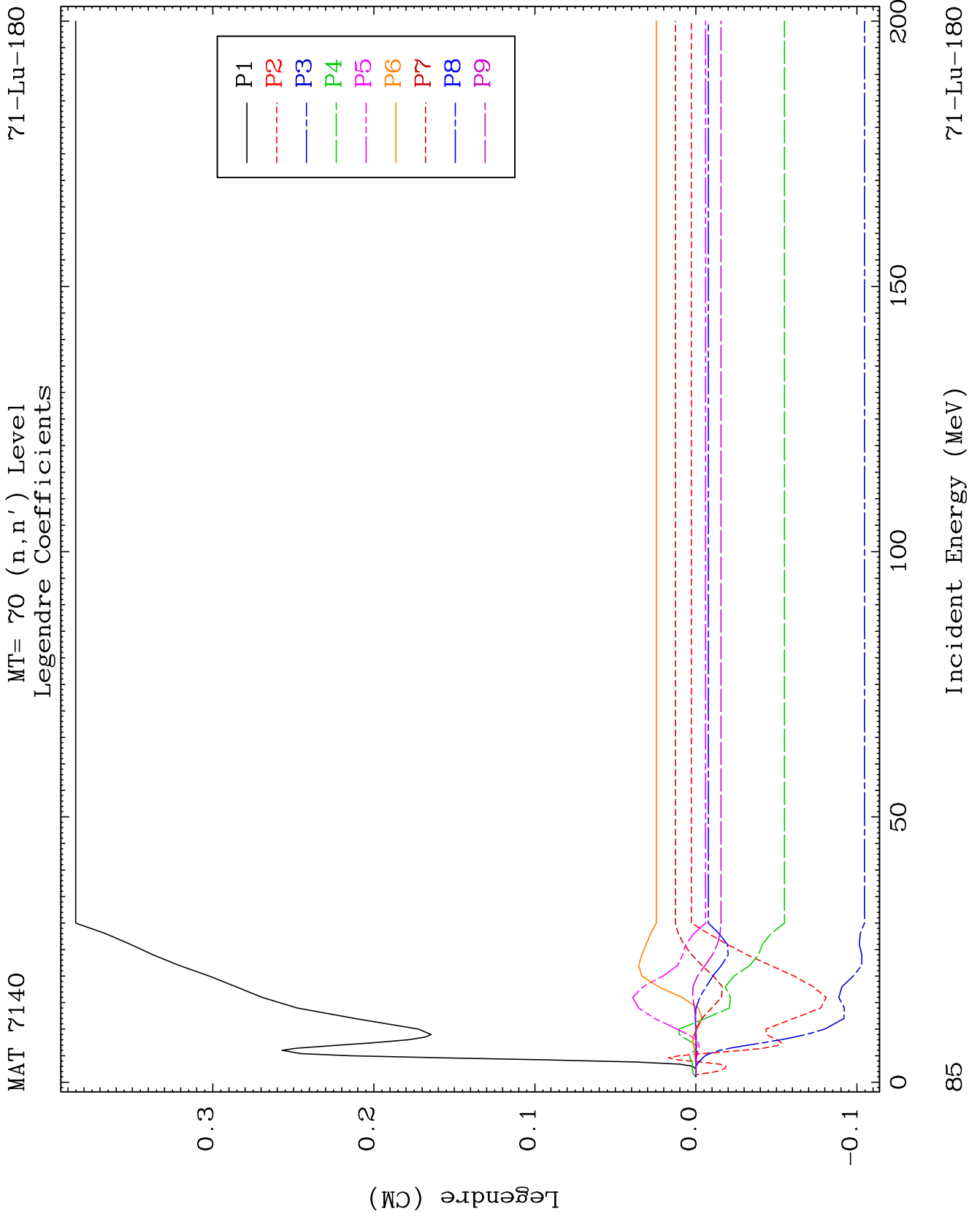


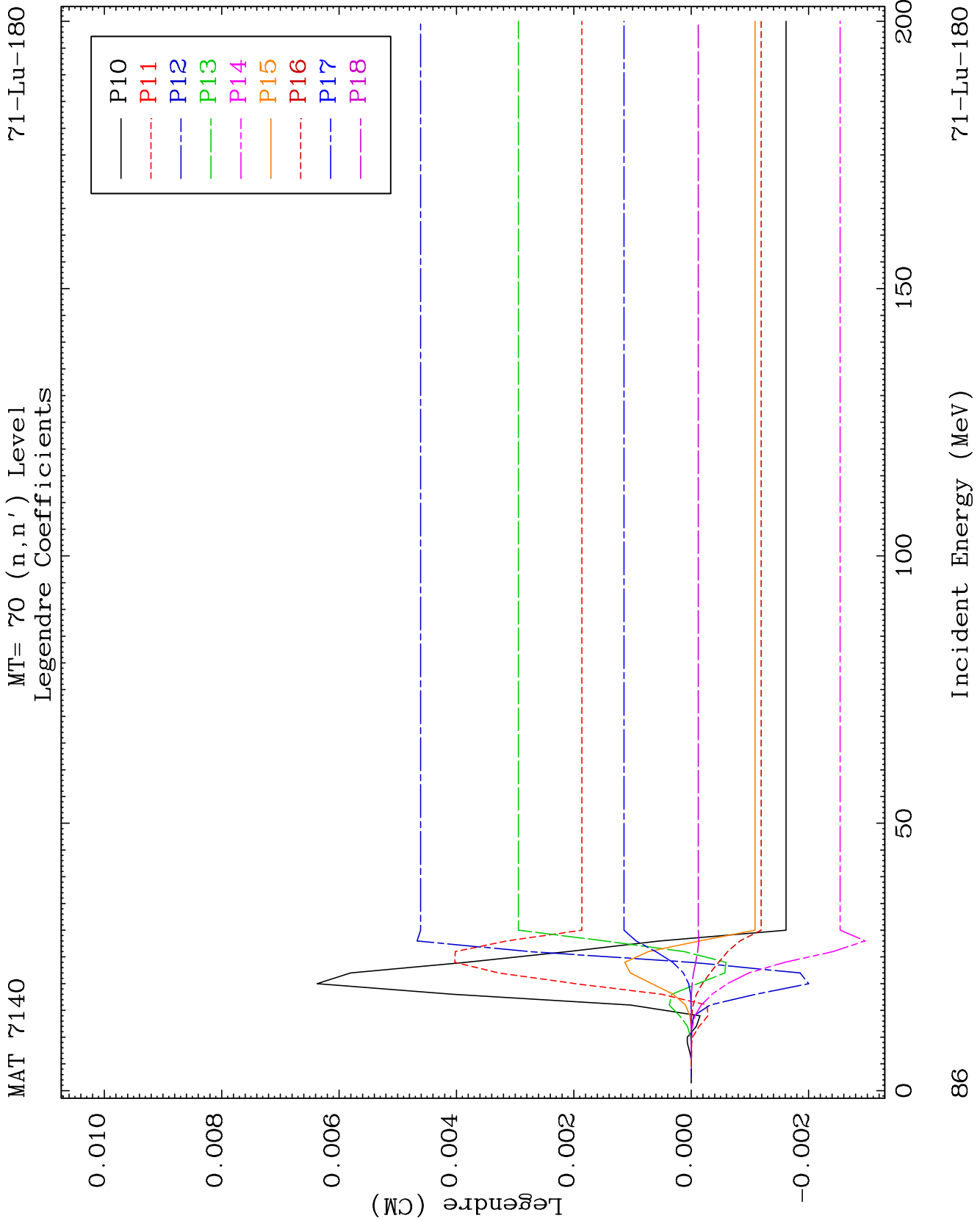
83

Incident Energy (MeV)

71-Lu-180



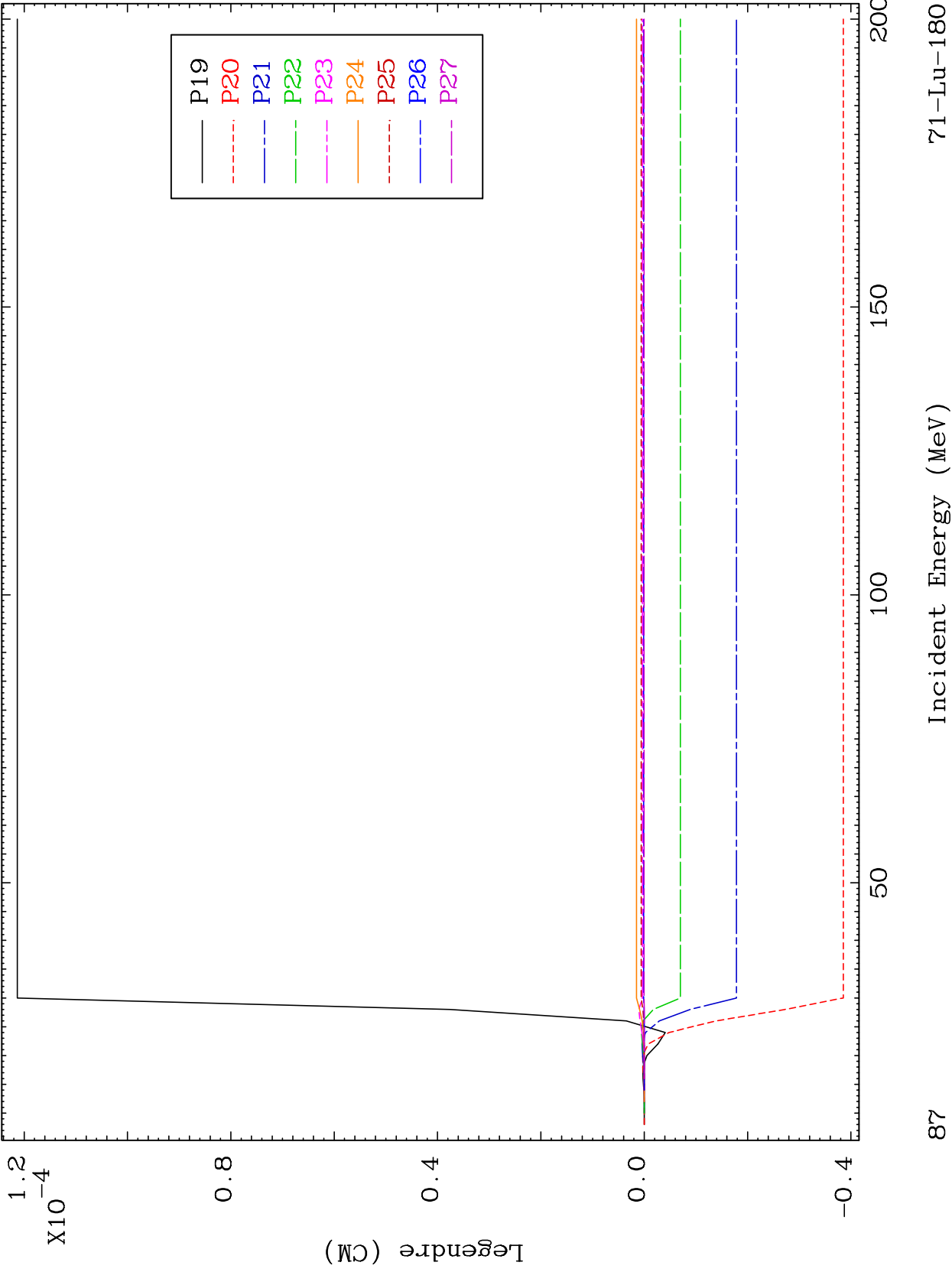




MAT 7140

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

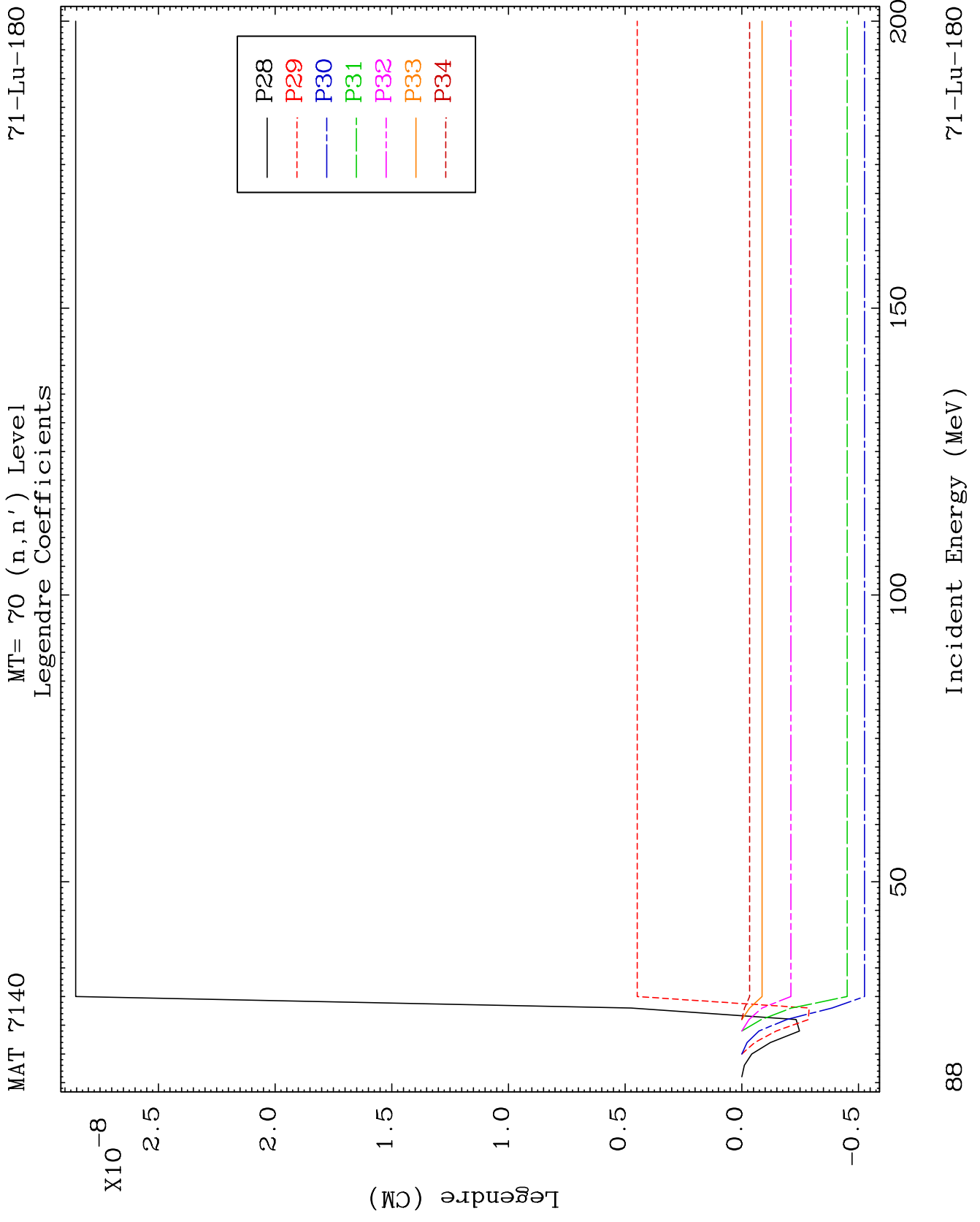
71-Lu-180

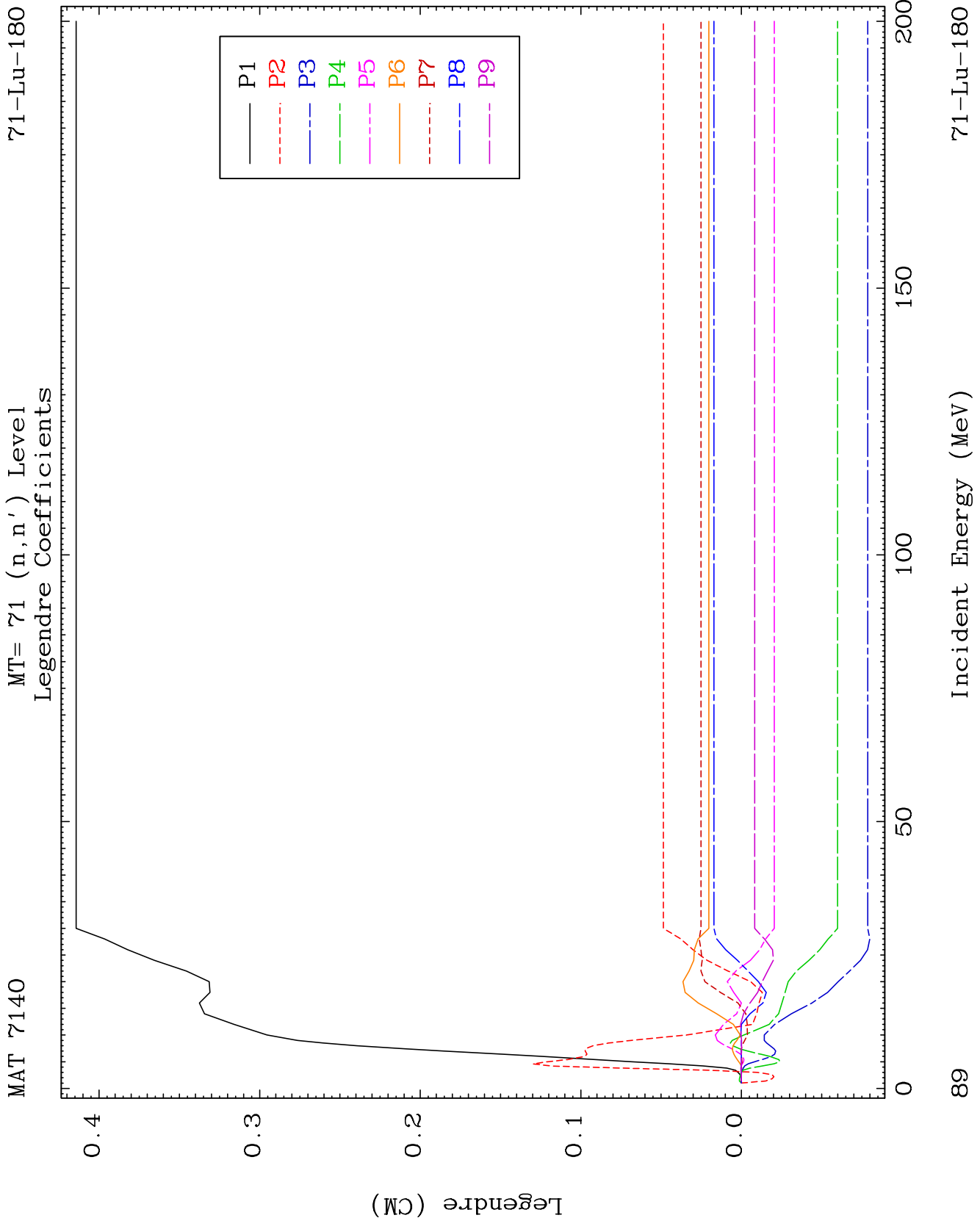


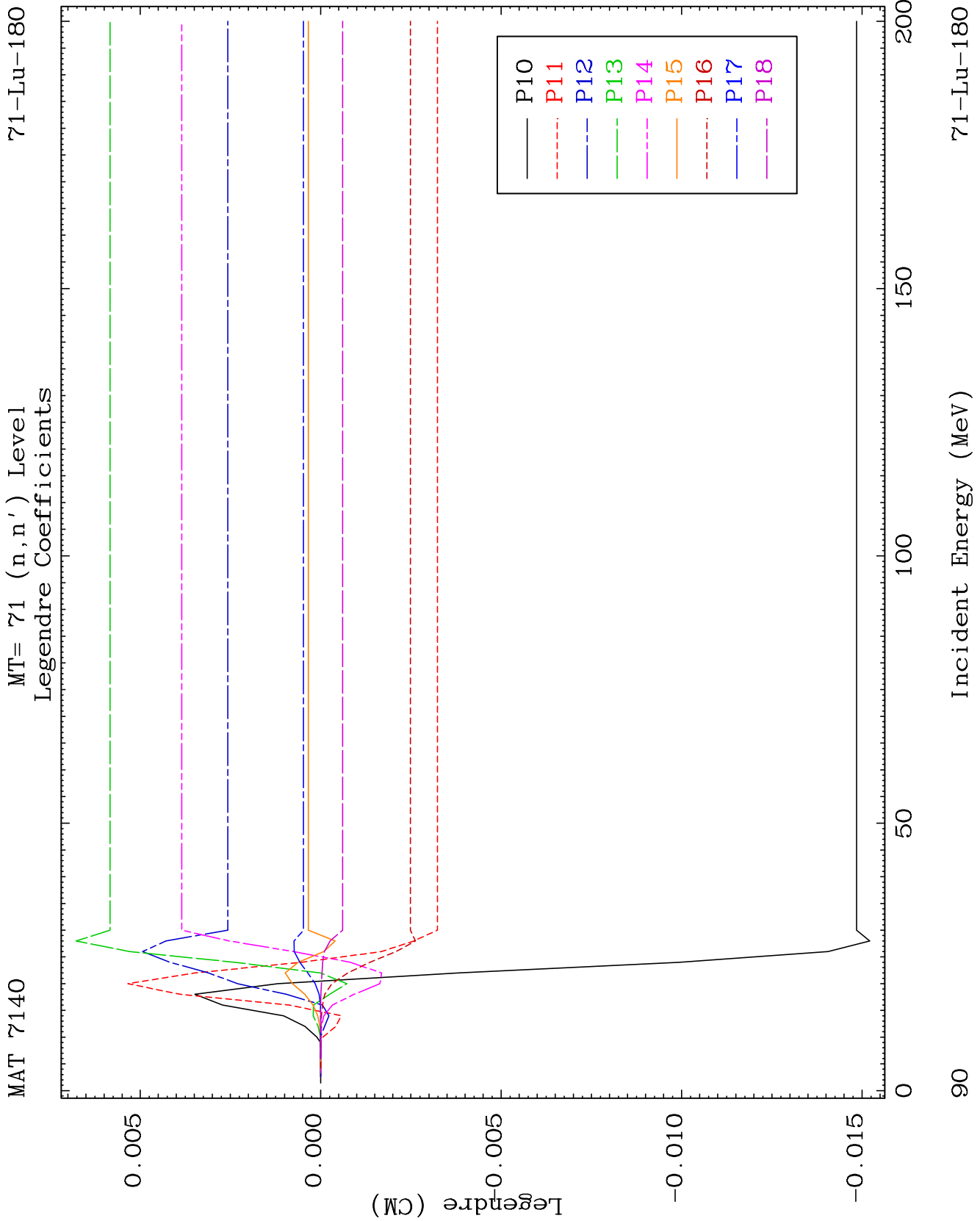
87

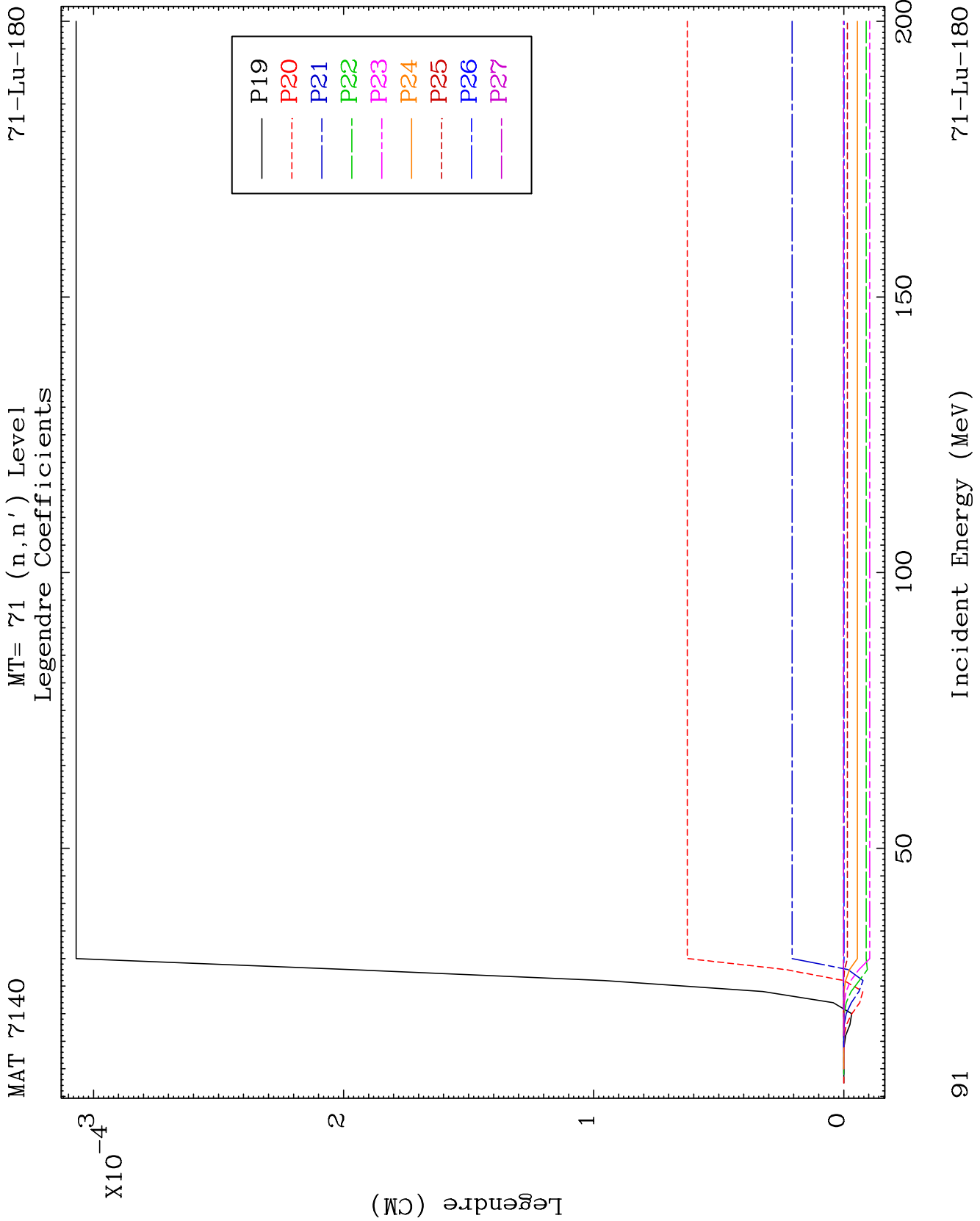
Incident Energy (MeV)

71-Lu-180





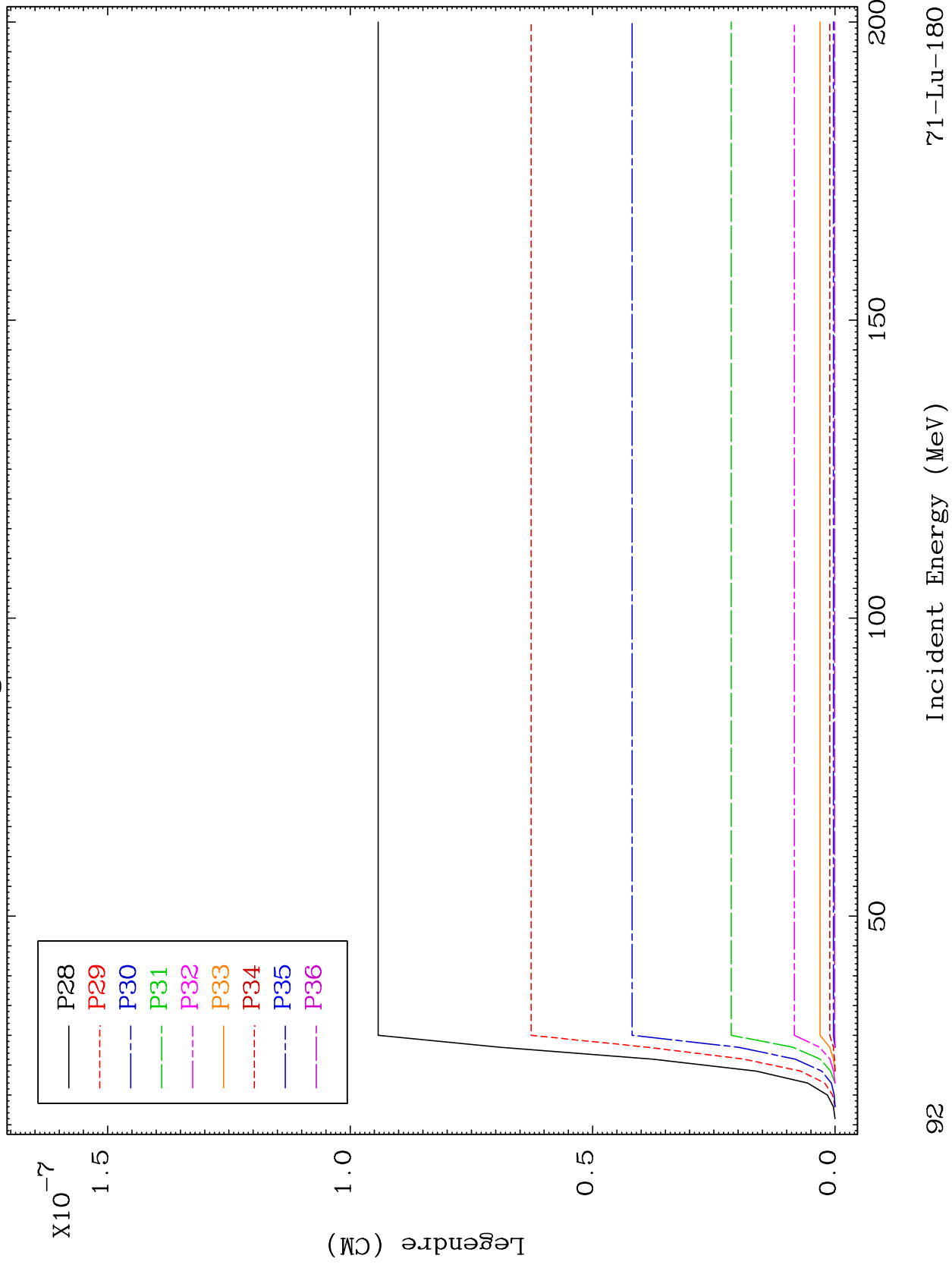


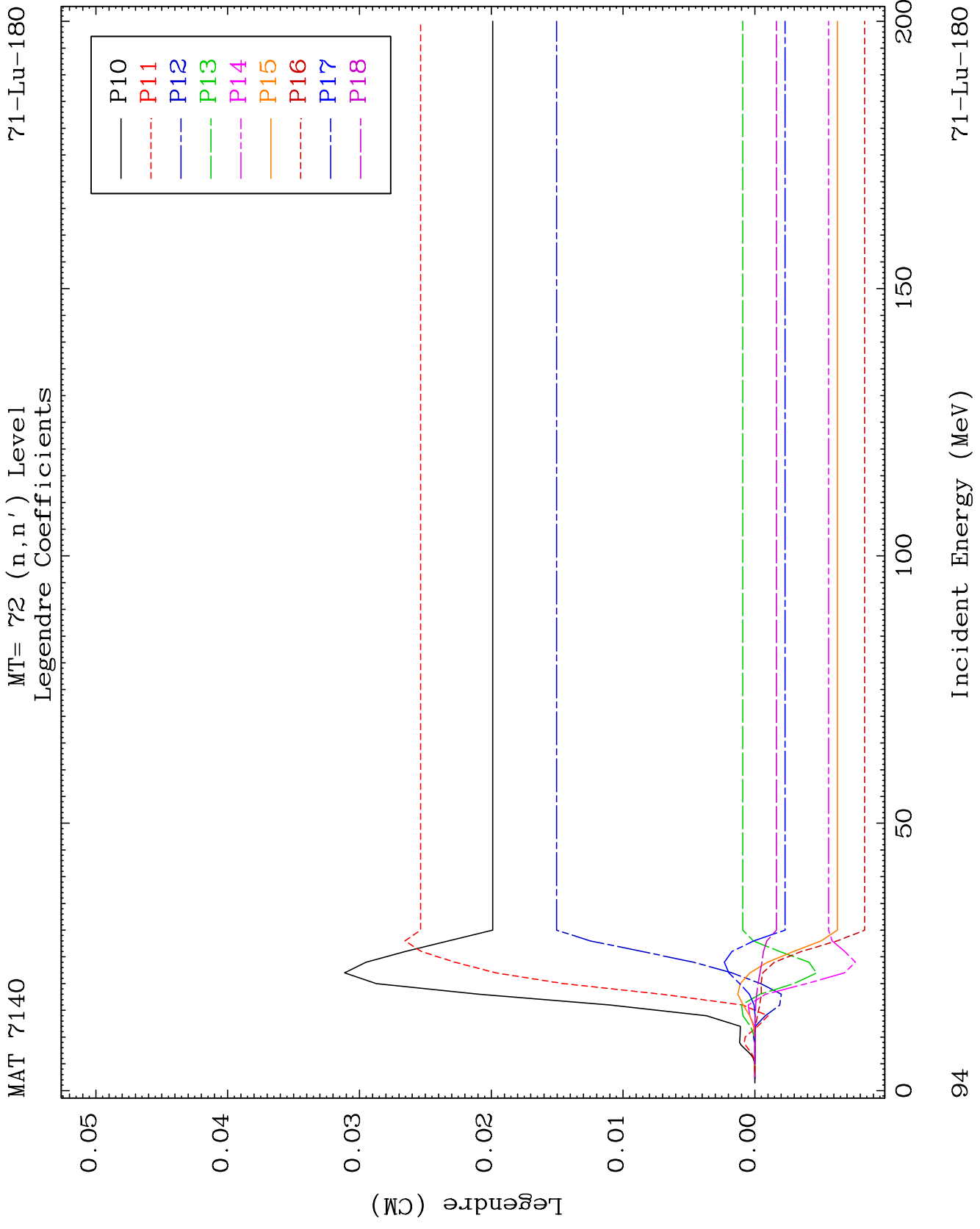


MAT 7140

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

71-Lu-180

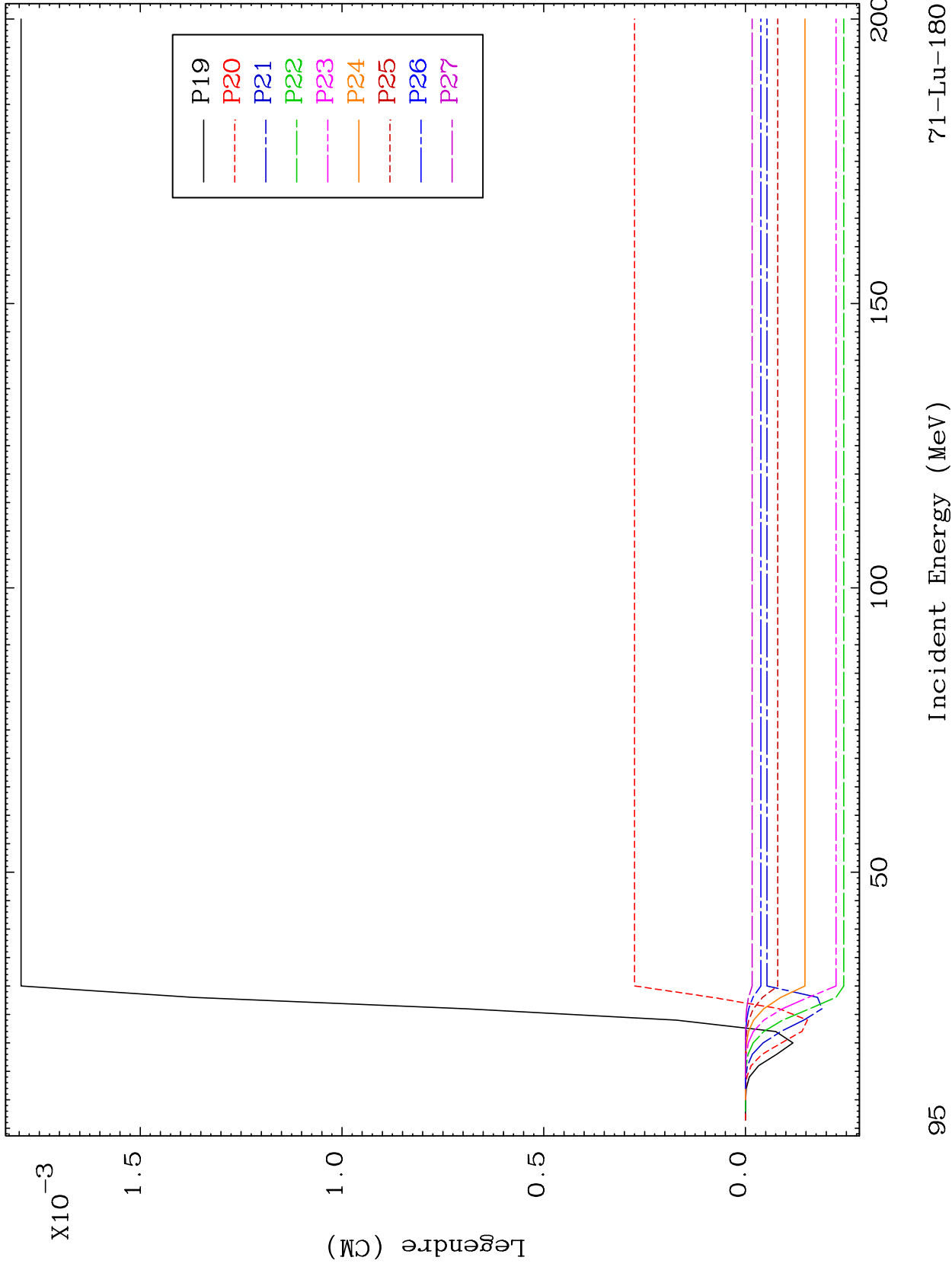


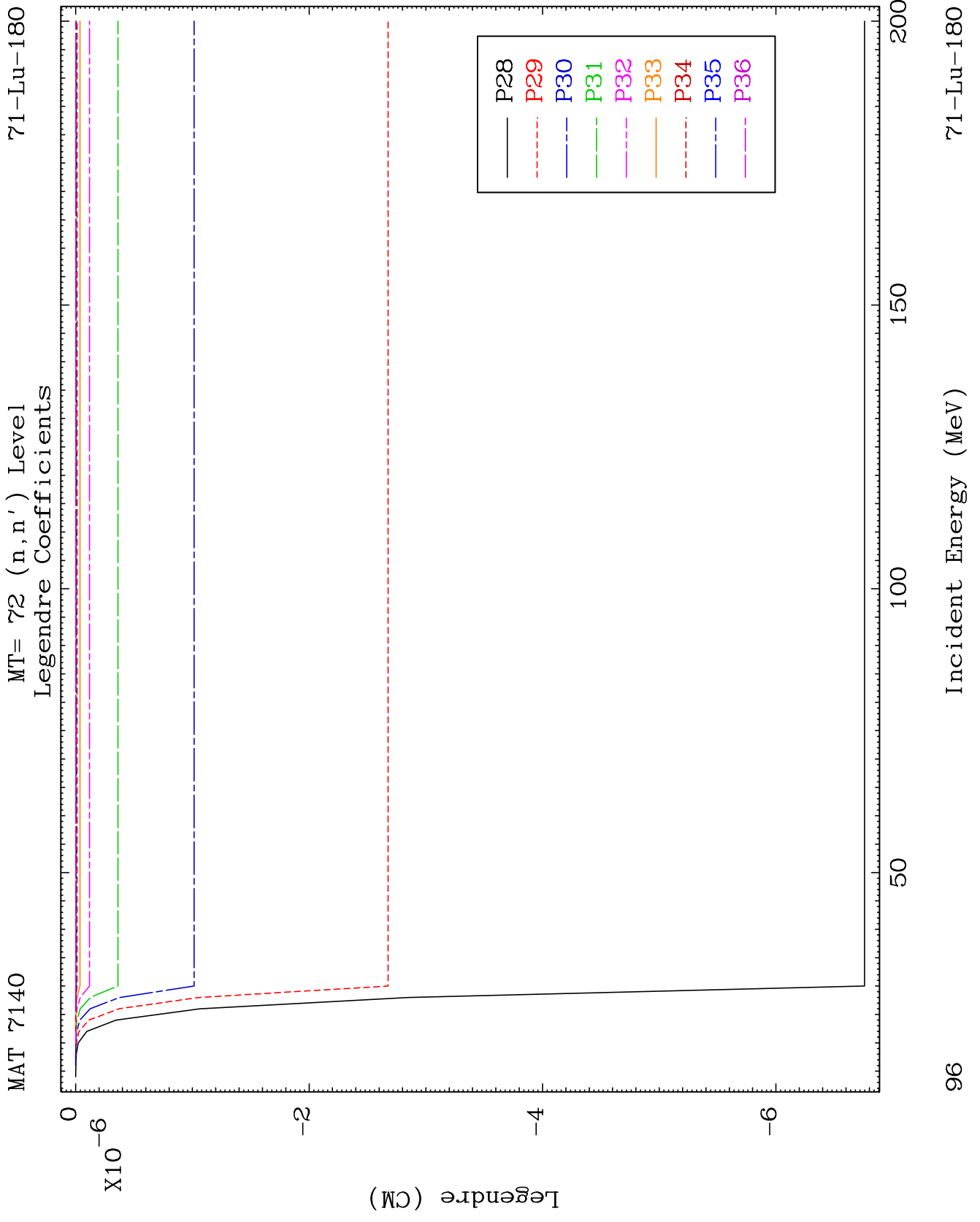


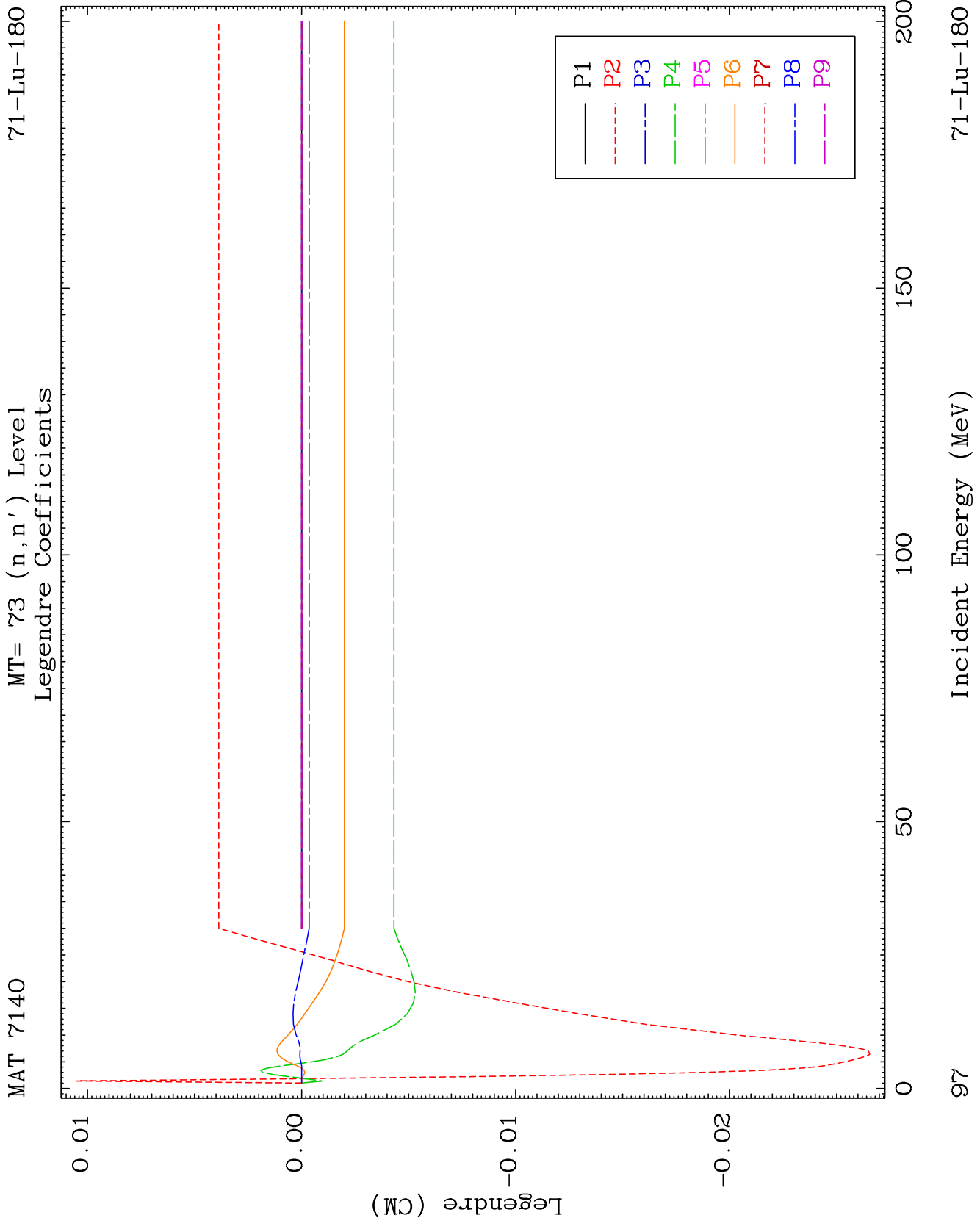
MAT 7140

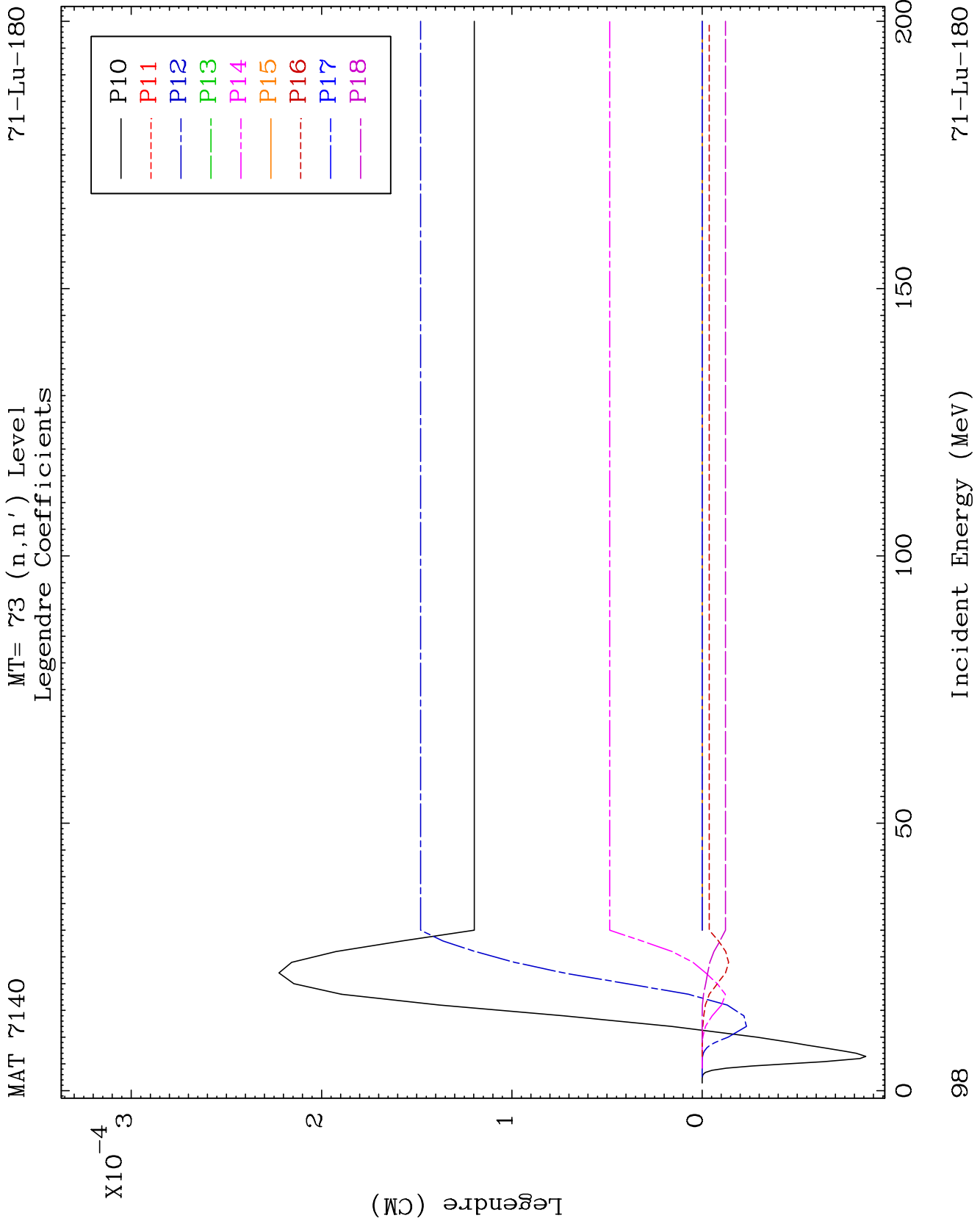
MT= 72 (n,n') Level
Legendre Coefficients

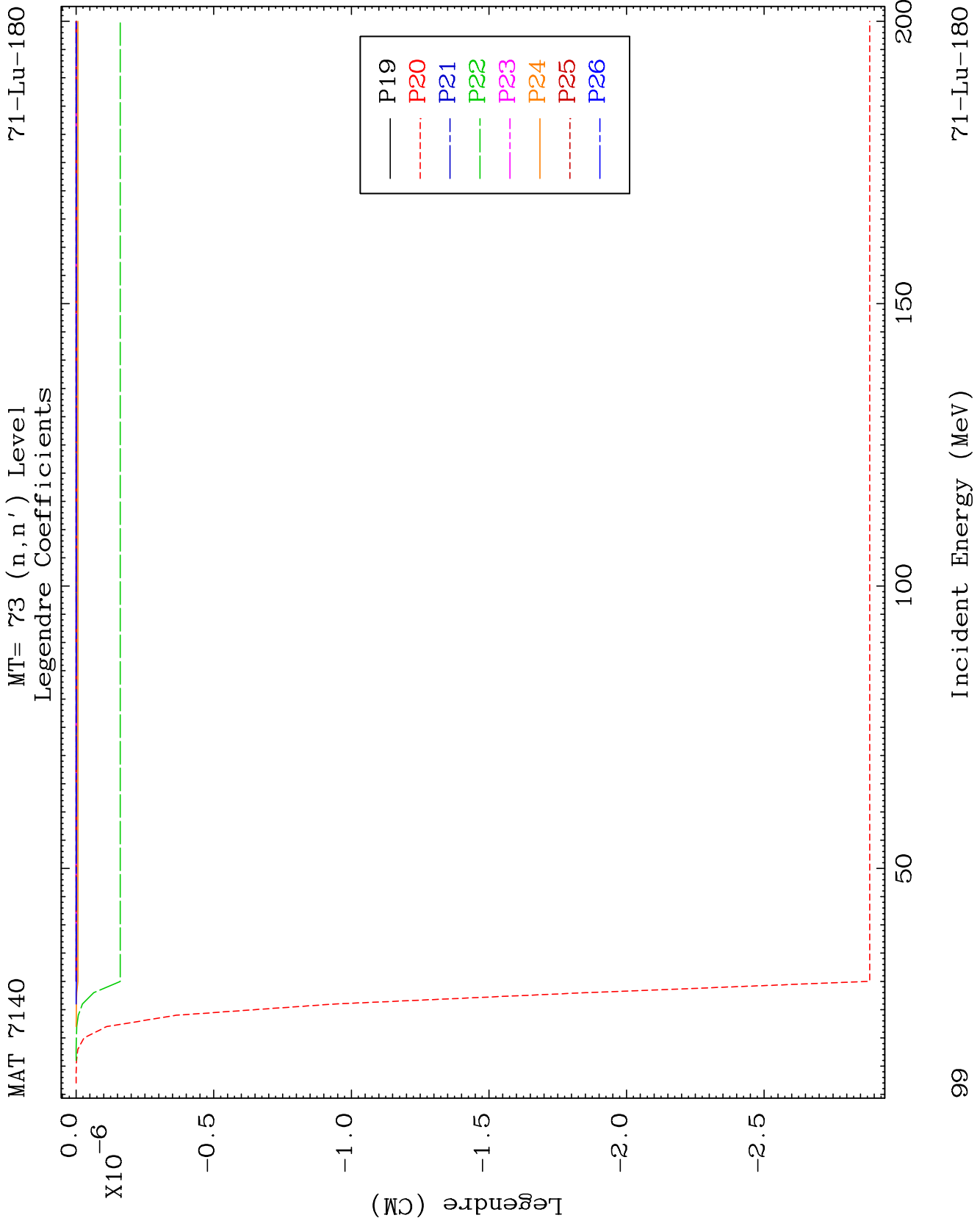
71-Lu-180

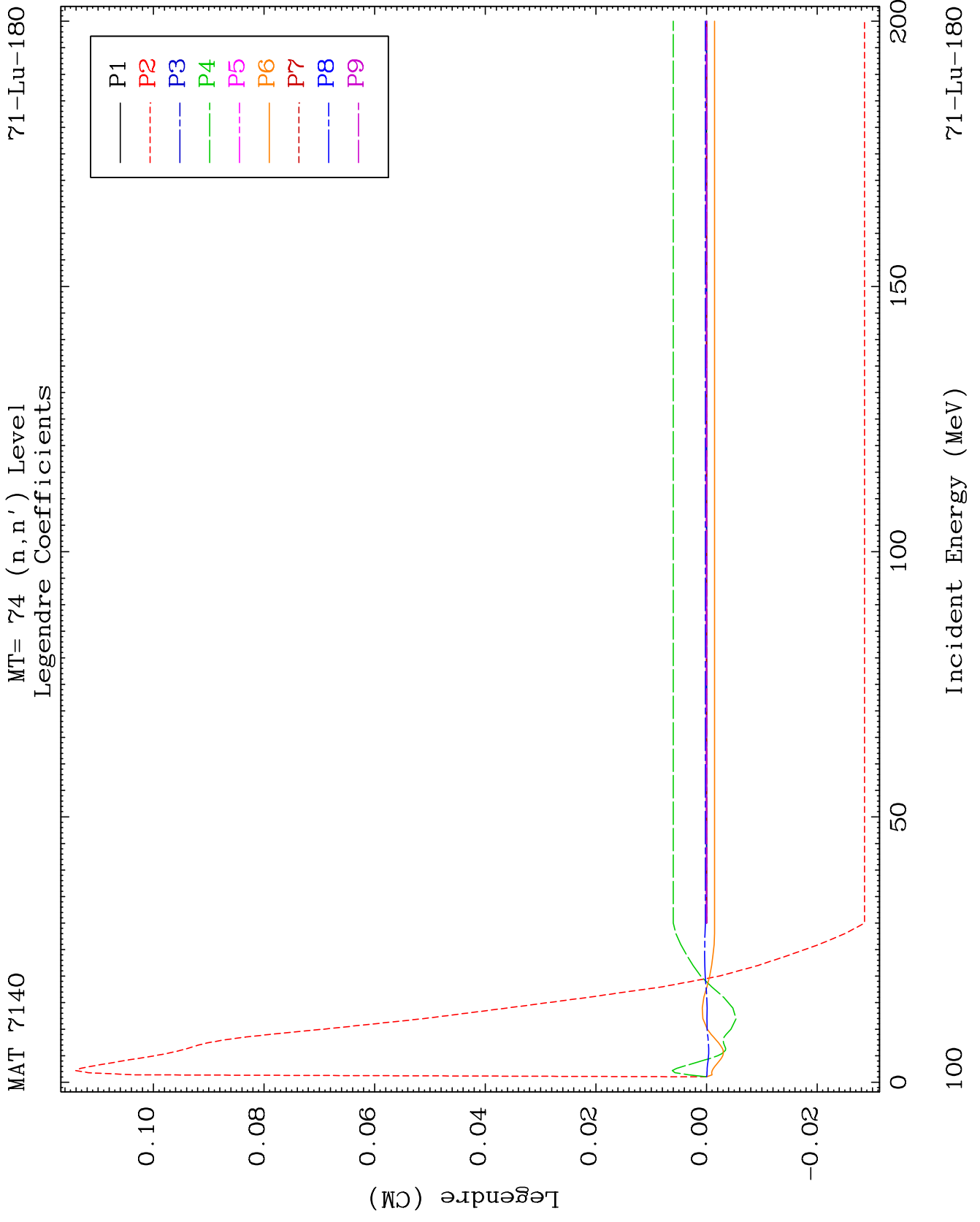








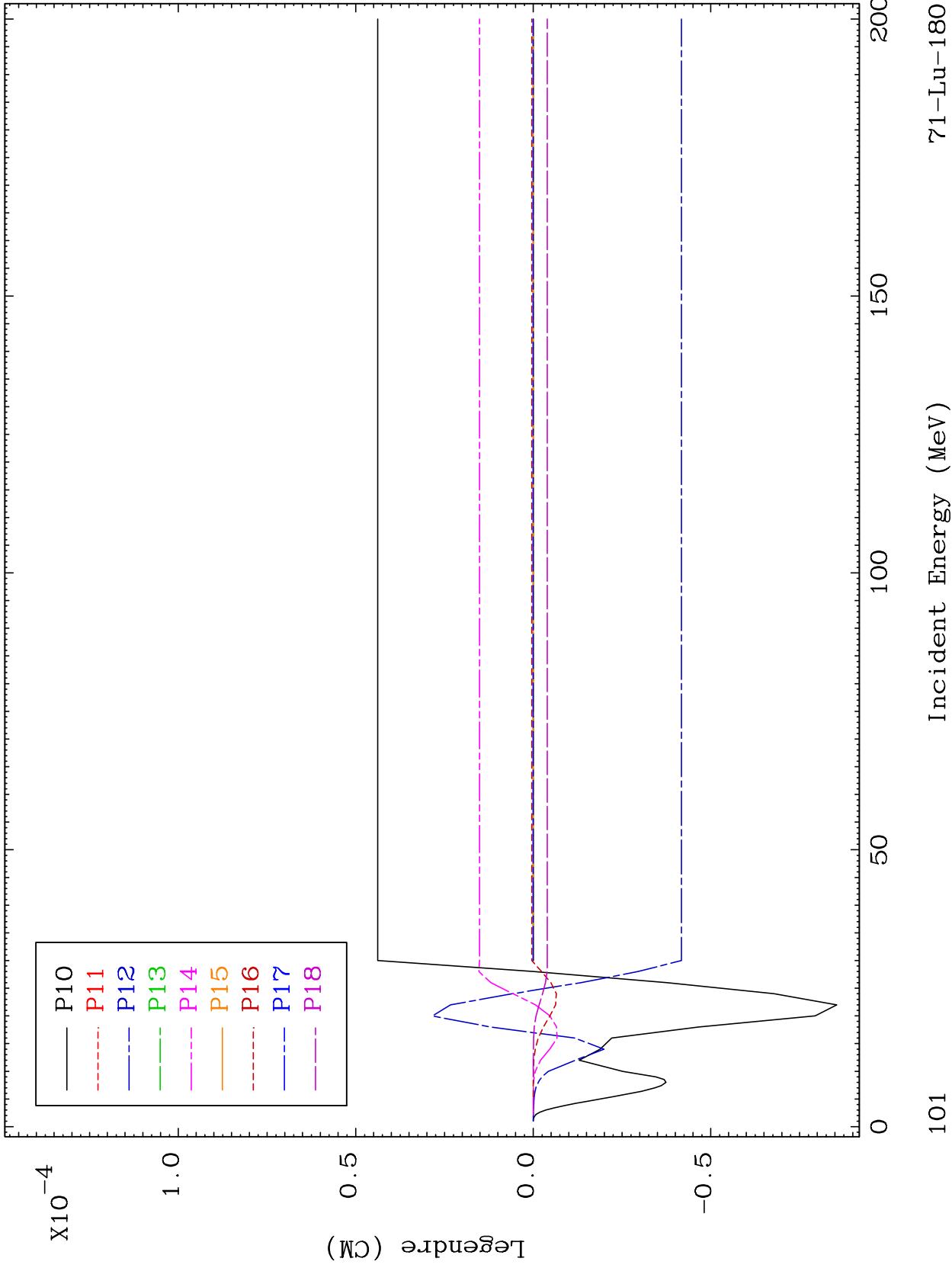




MAT 7140

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

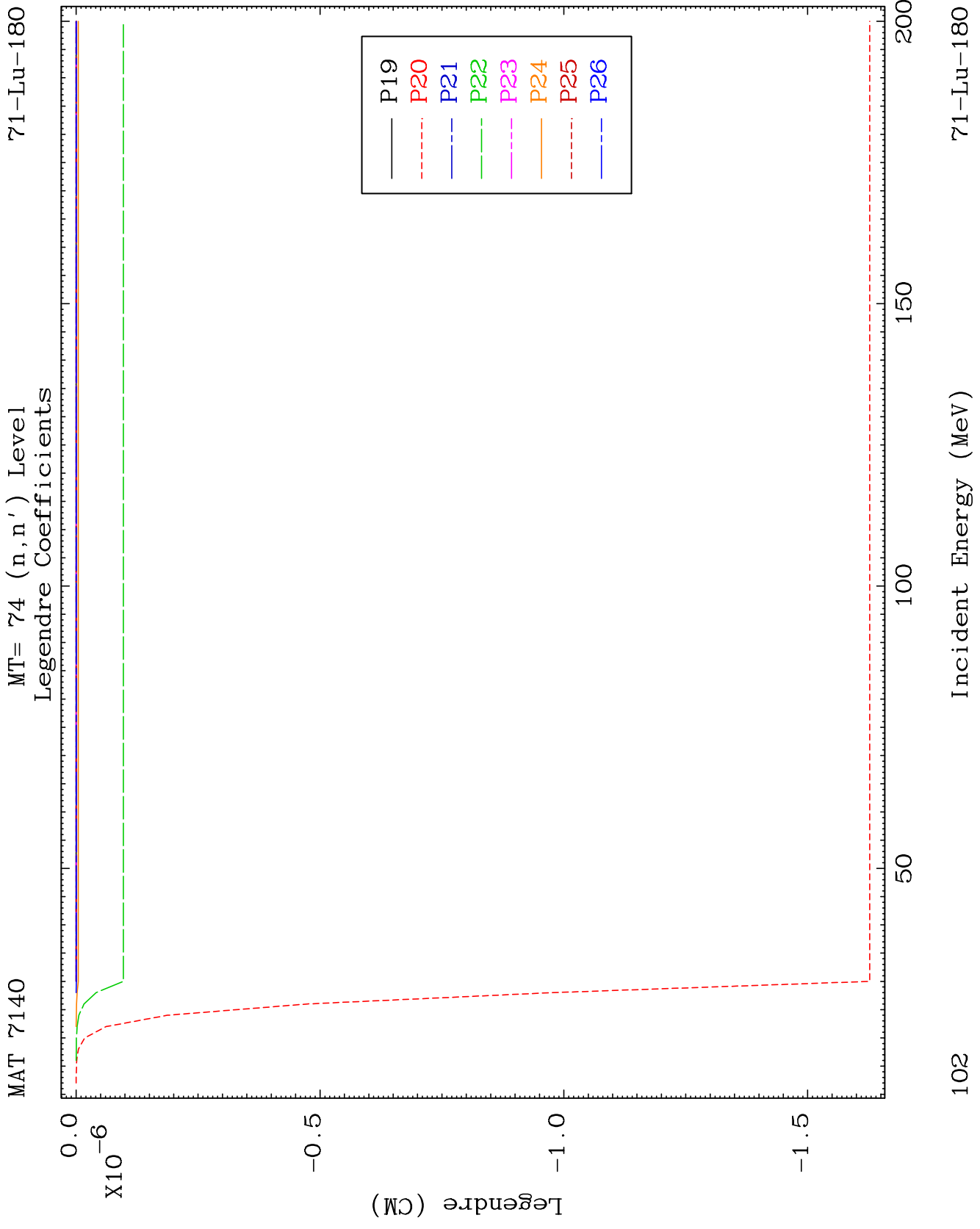
71-Lu-180

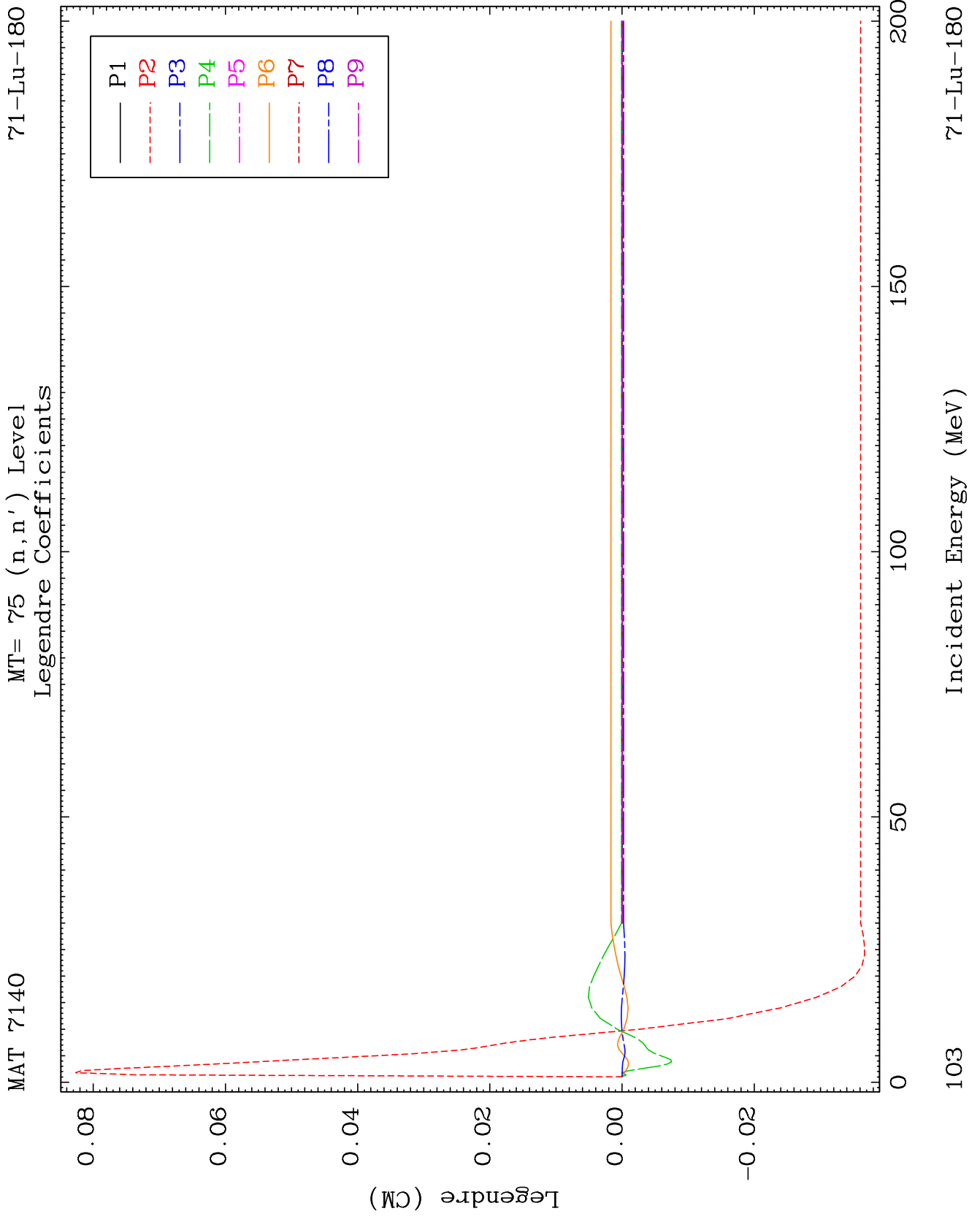


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Incident Energy (MeV)

71-Lu-180

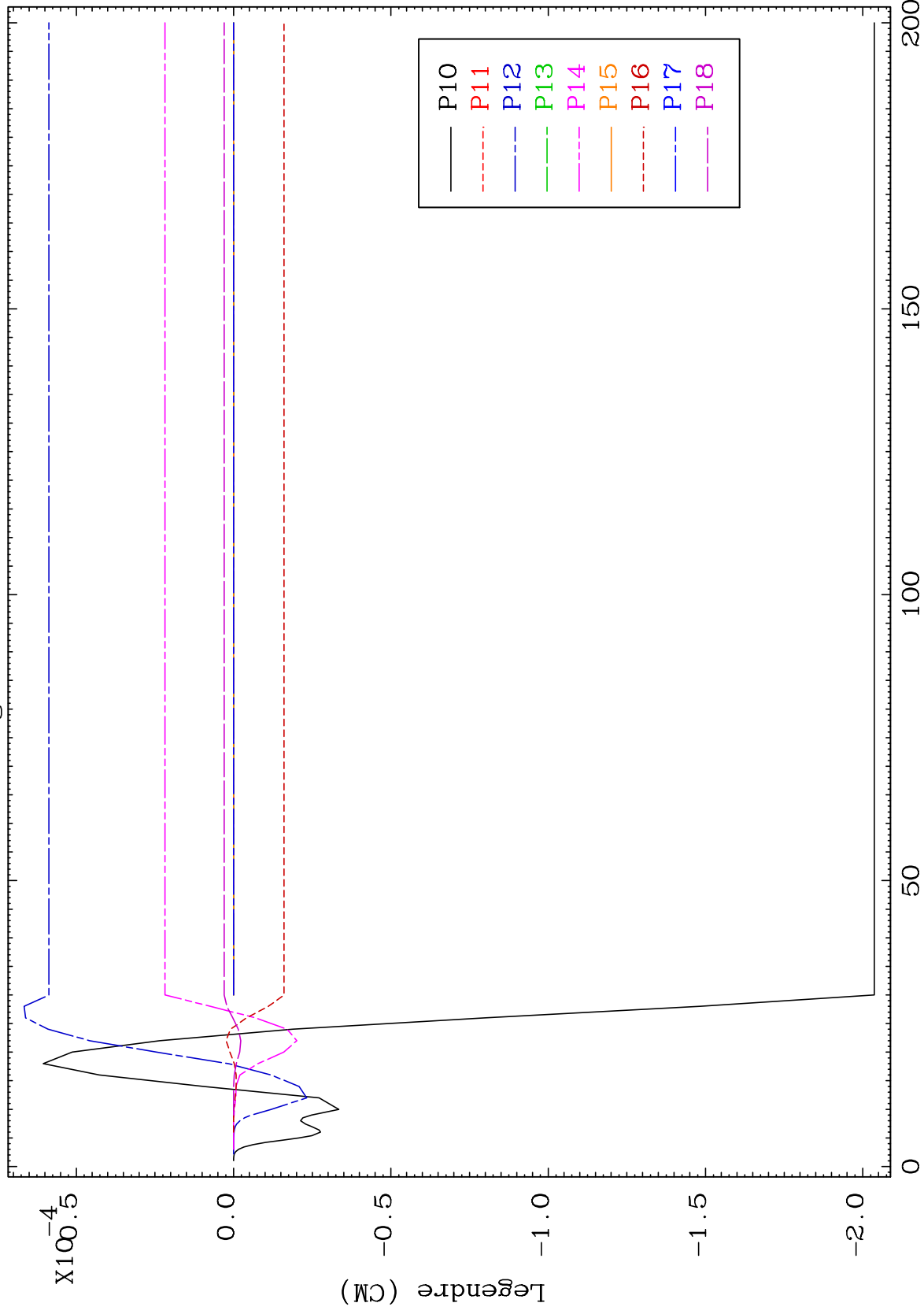




MAT 7140

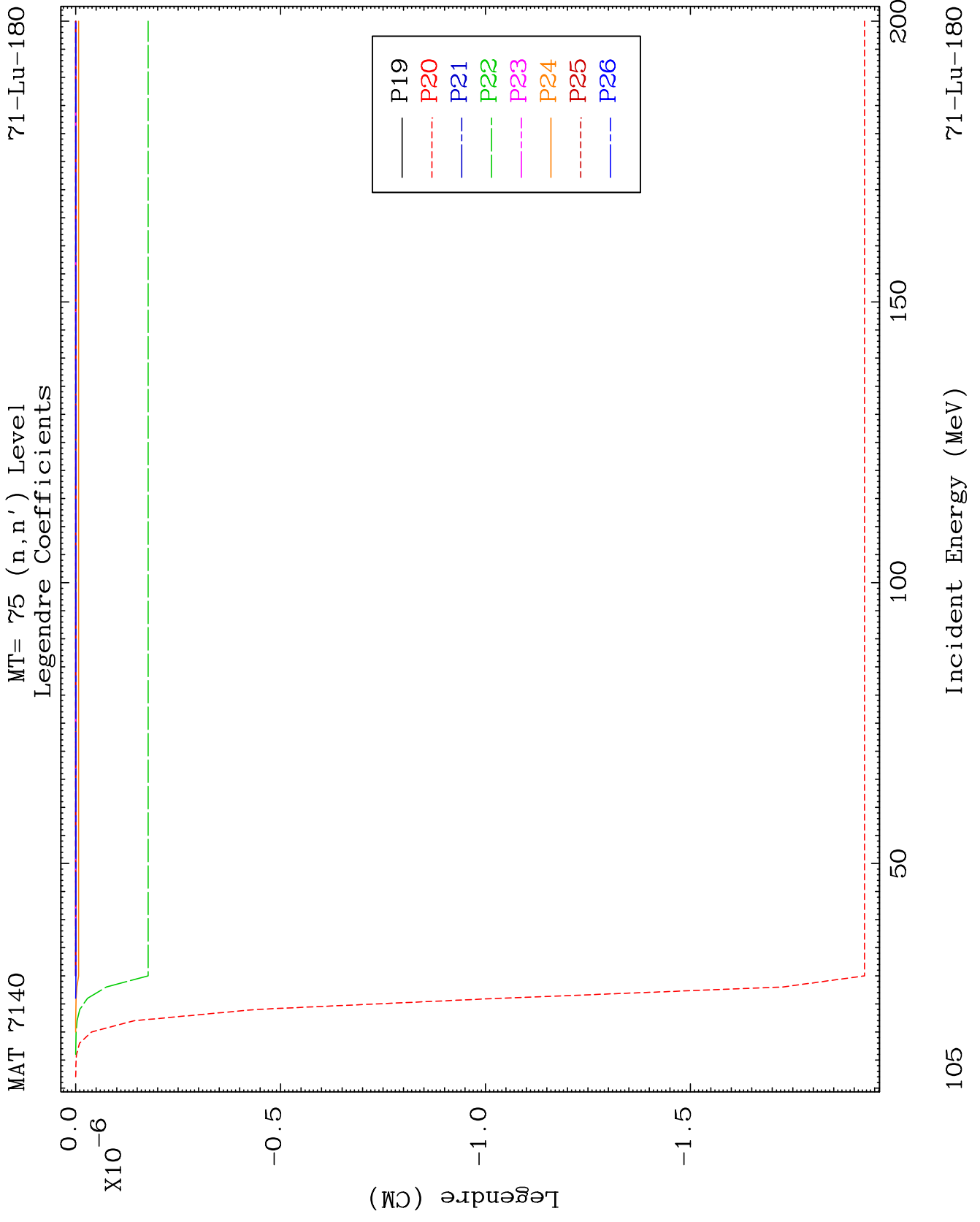
MT= 75 (n,n') Level
Legendre Coefficients

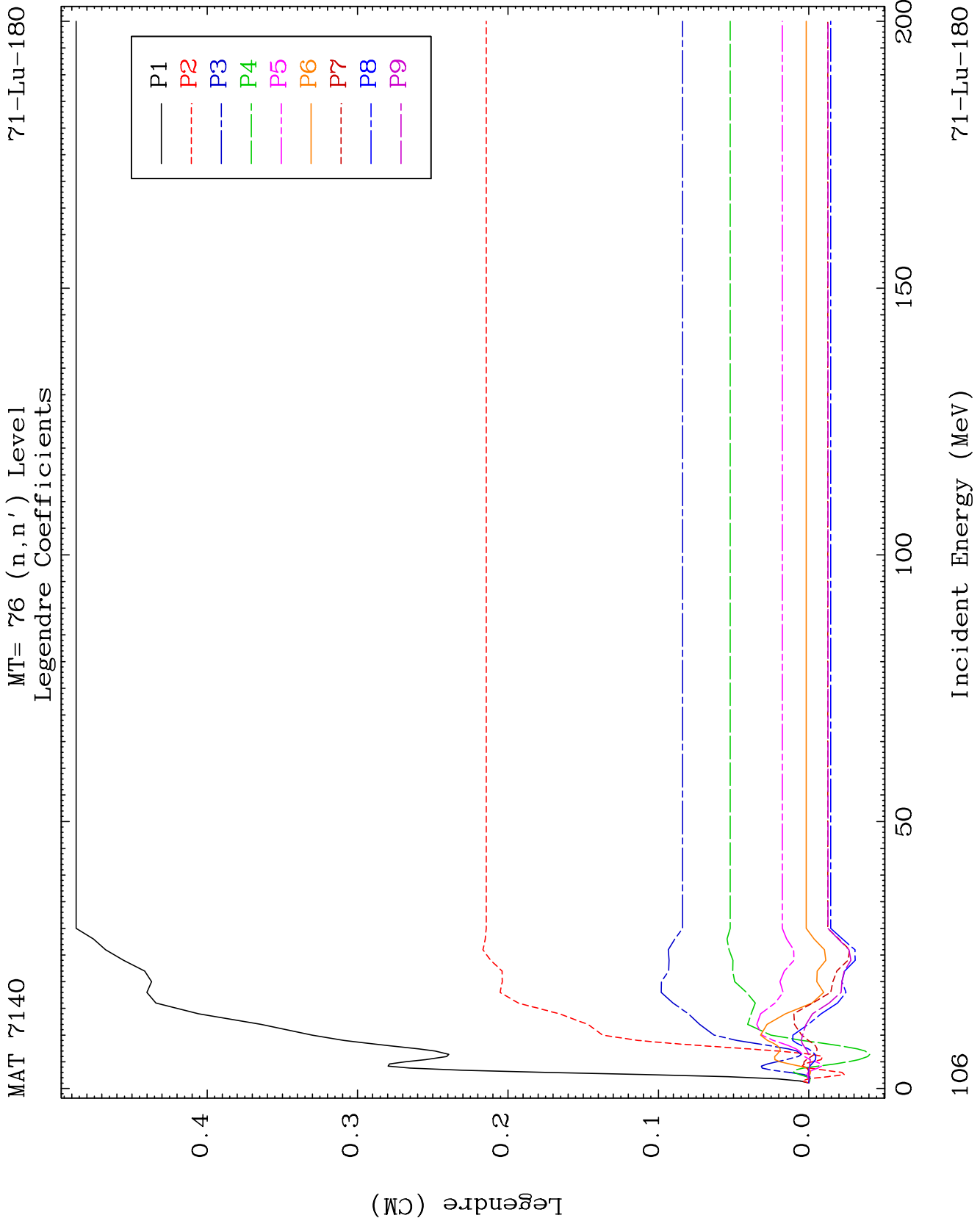
71-Lu-180

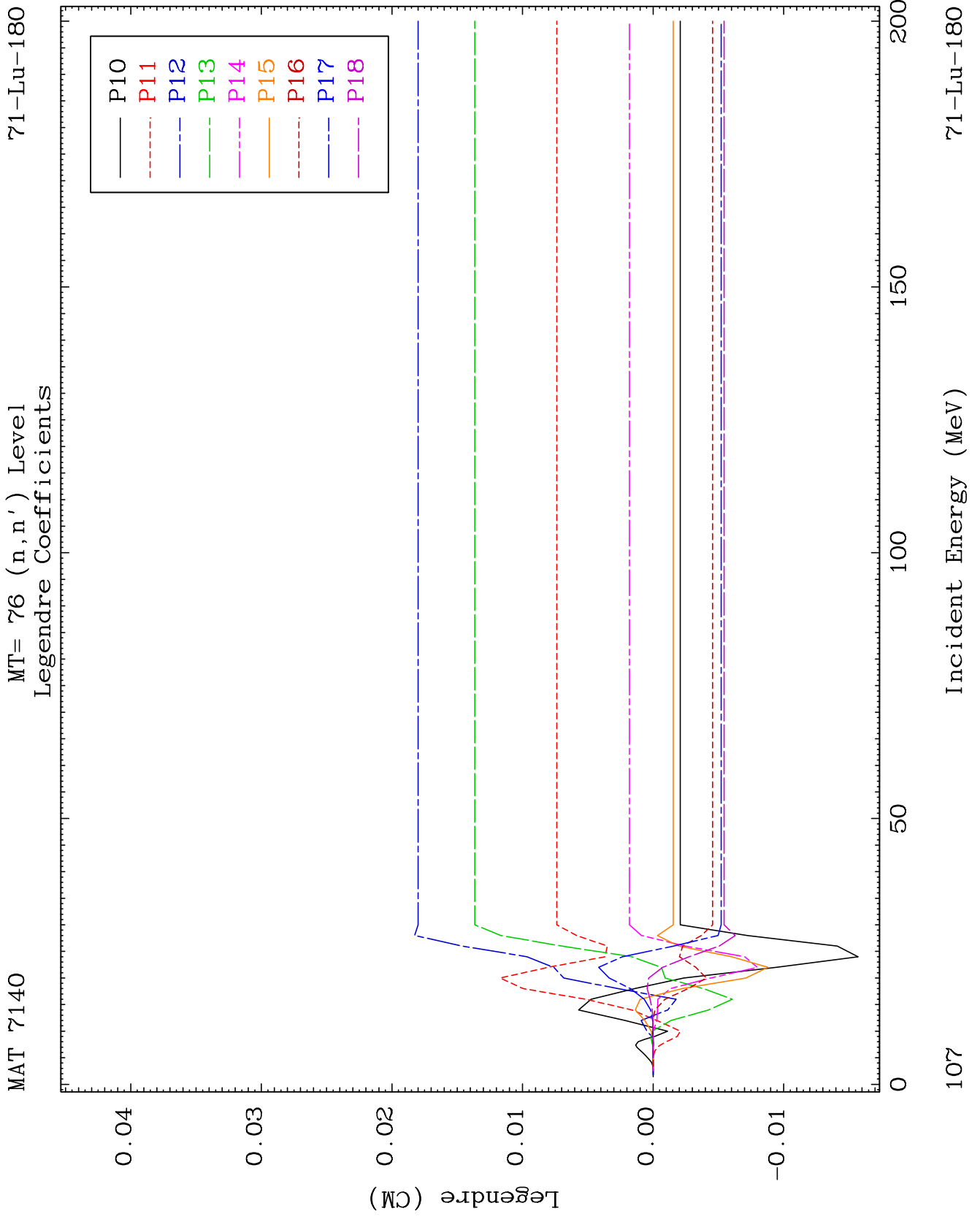


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71-Lu-180



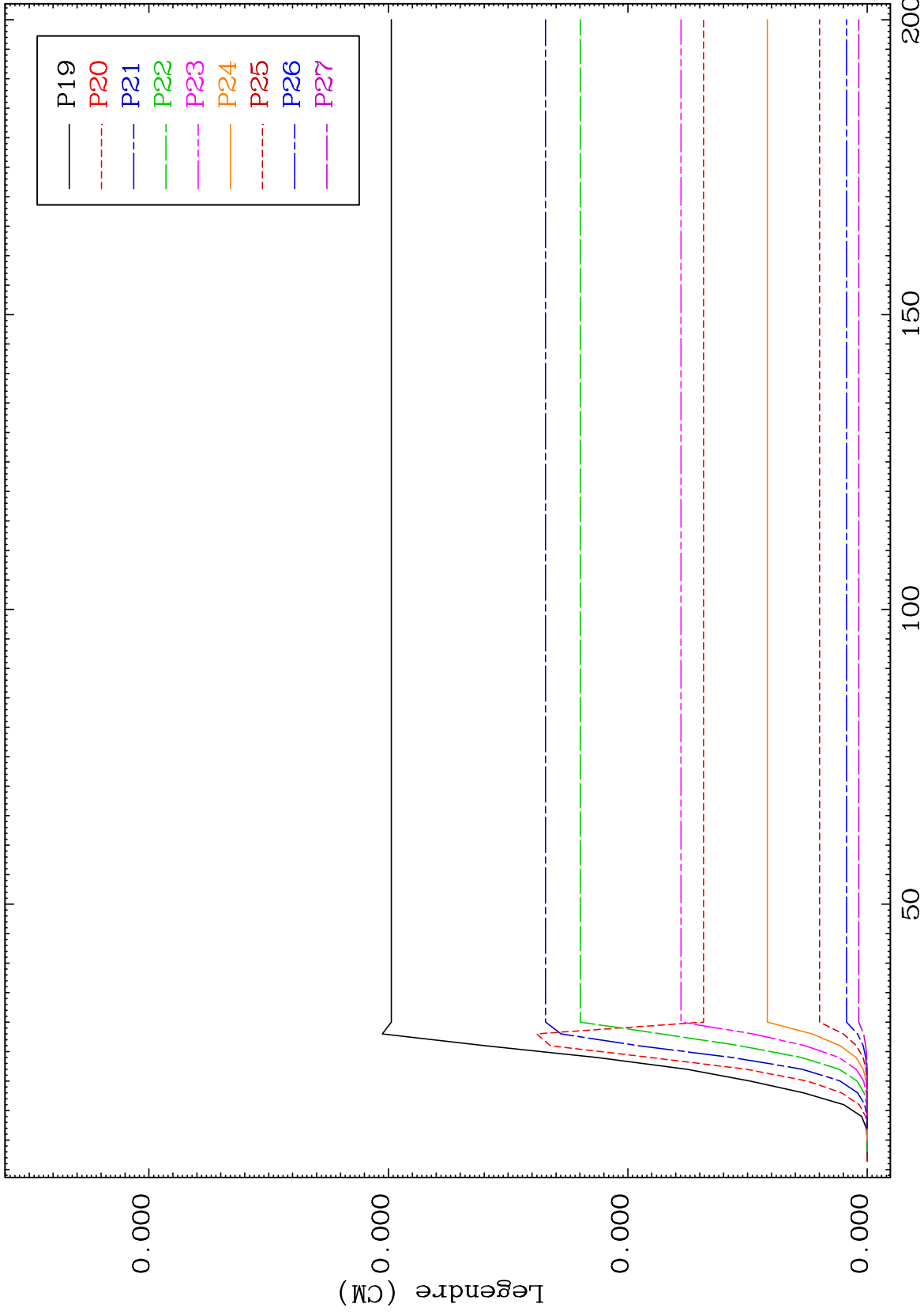




MAT 7140

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

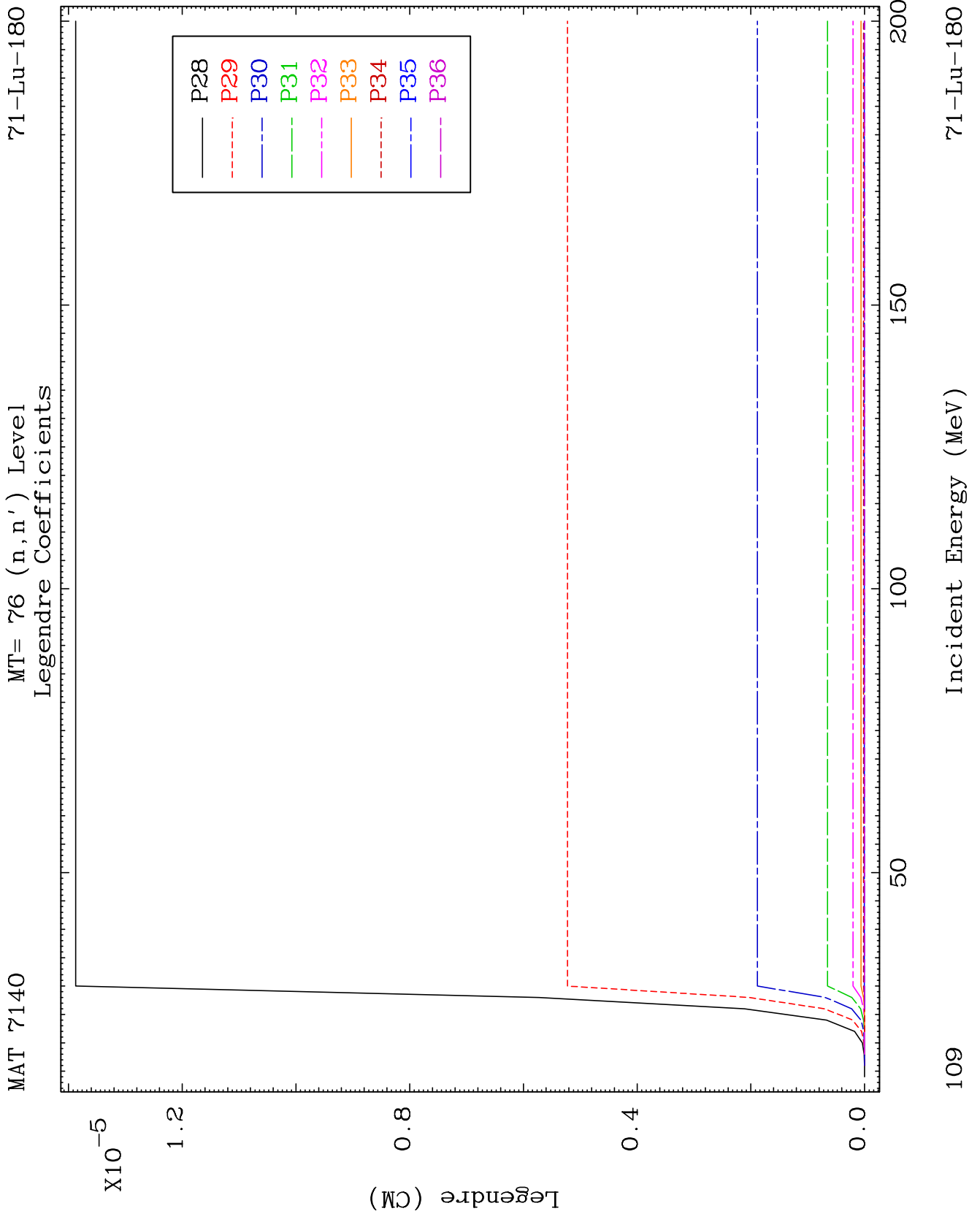
71-Lu-180



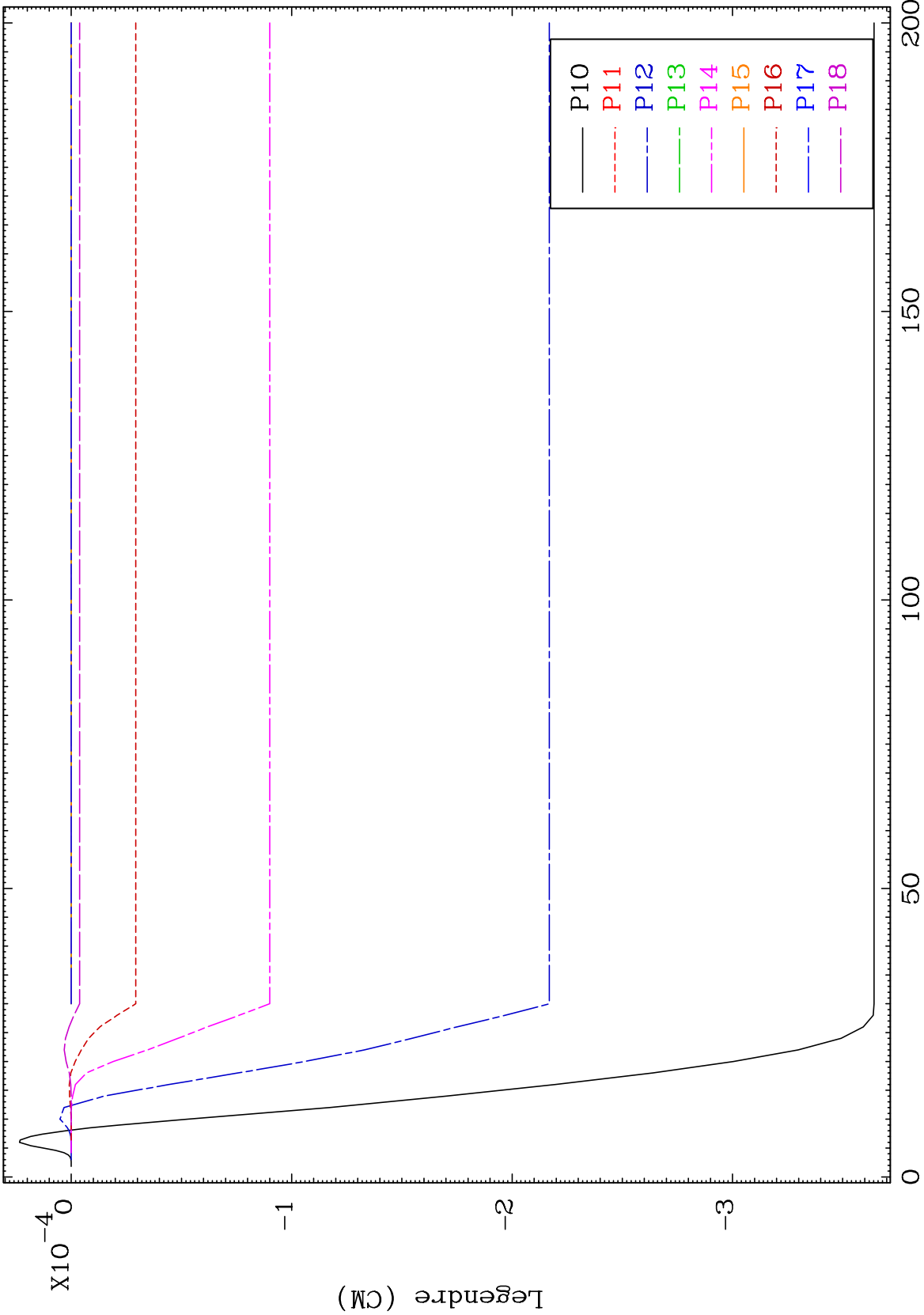
108

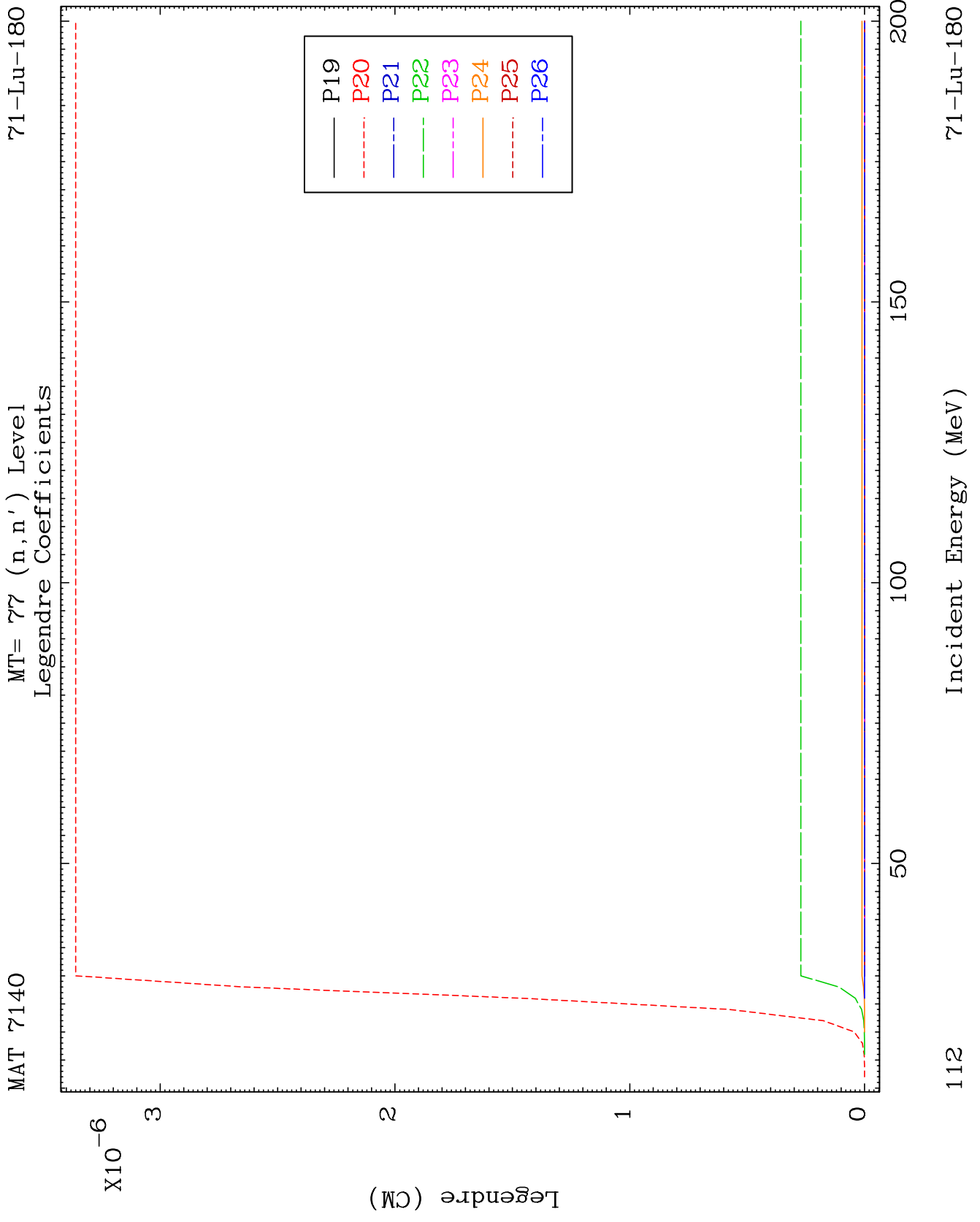
Incident Energy (MeV)

71-Lu-180



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

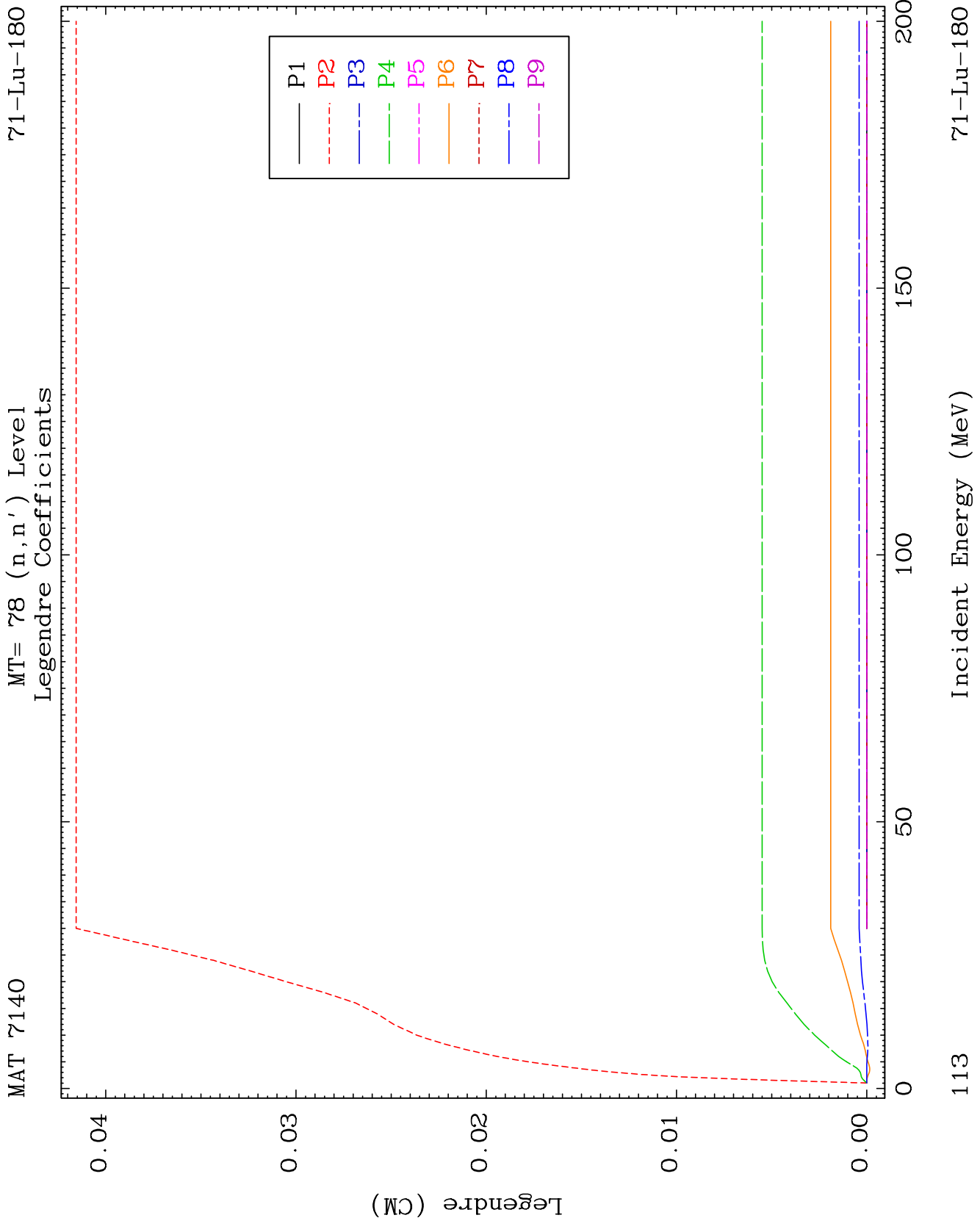


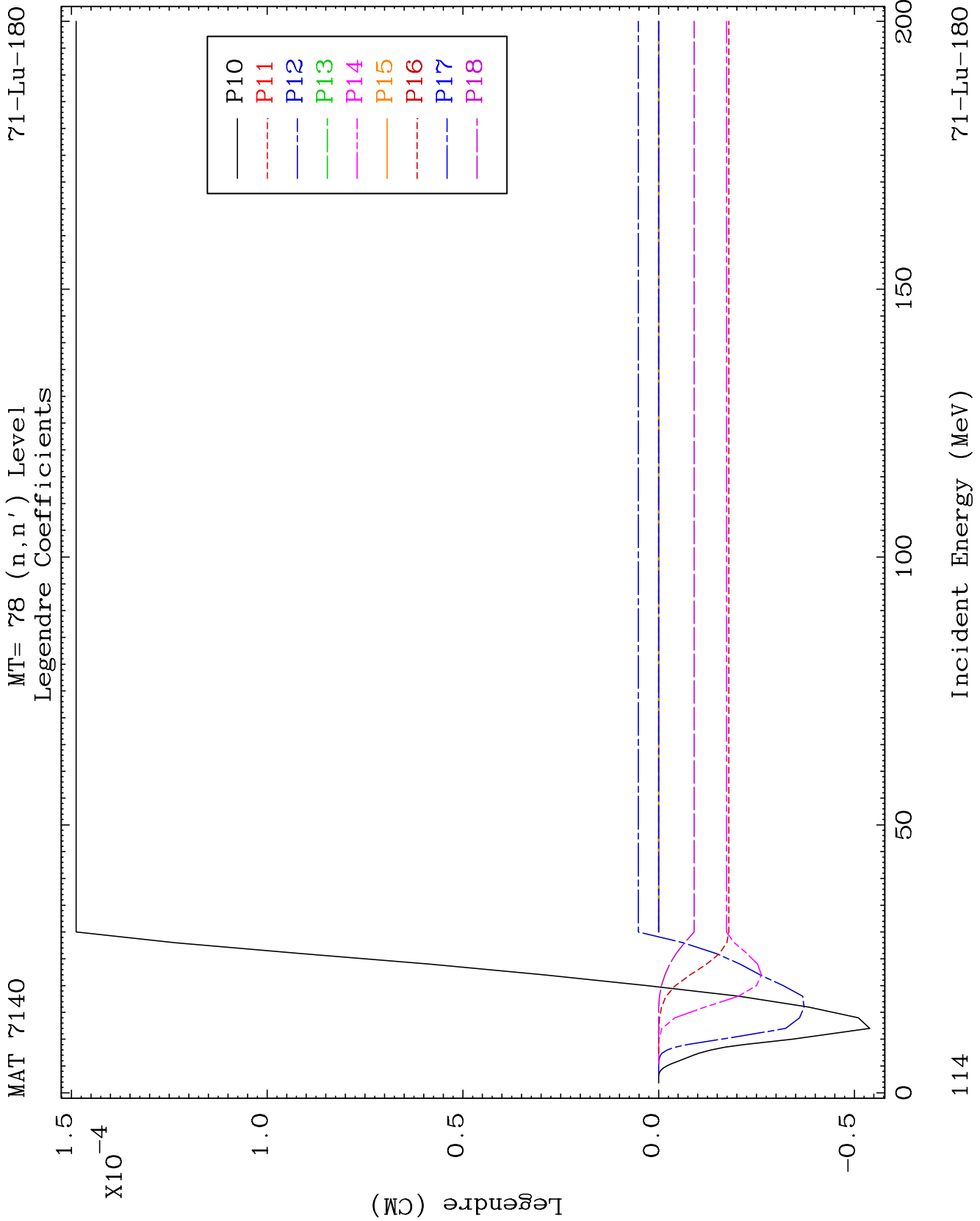


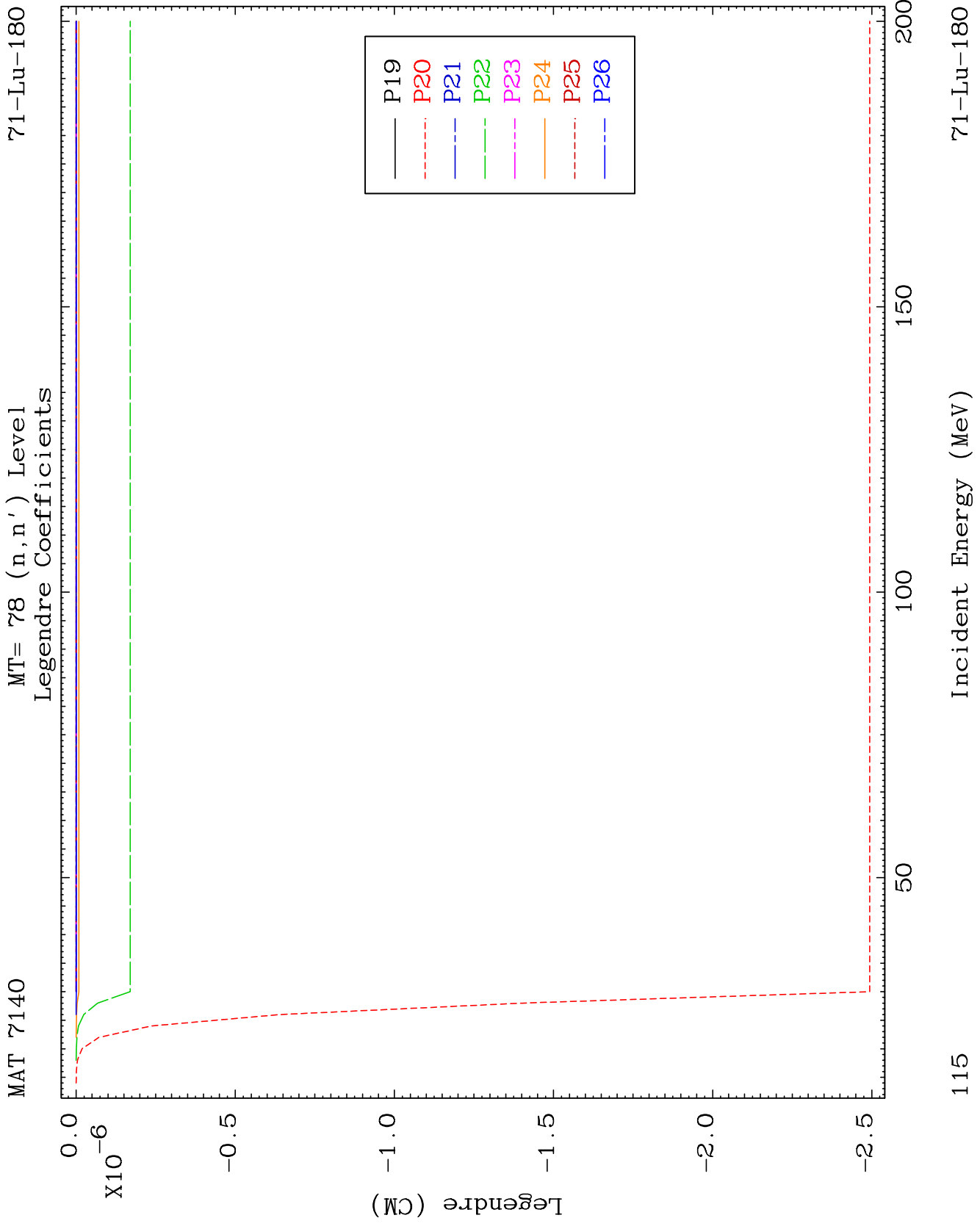
71-Lu-180

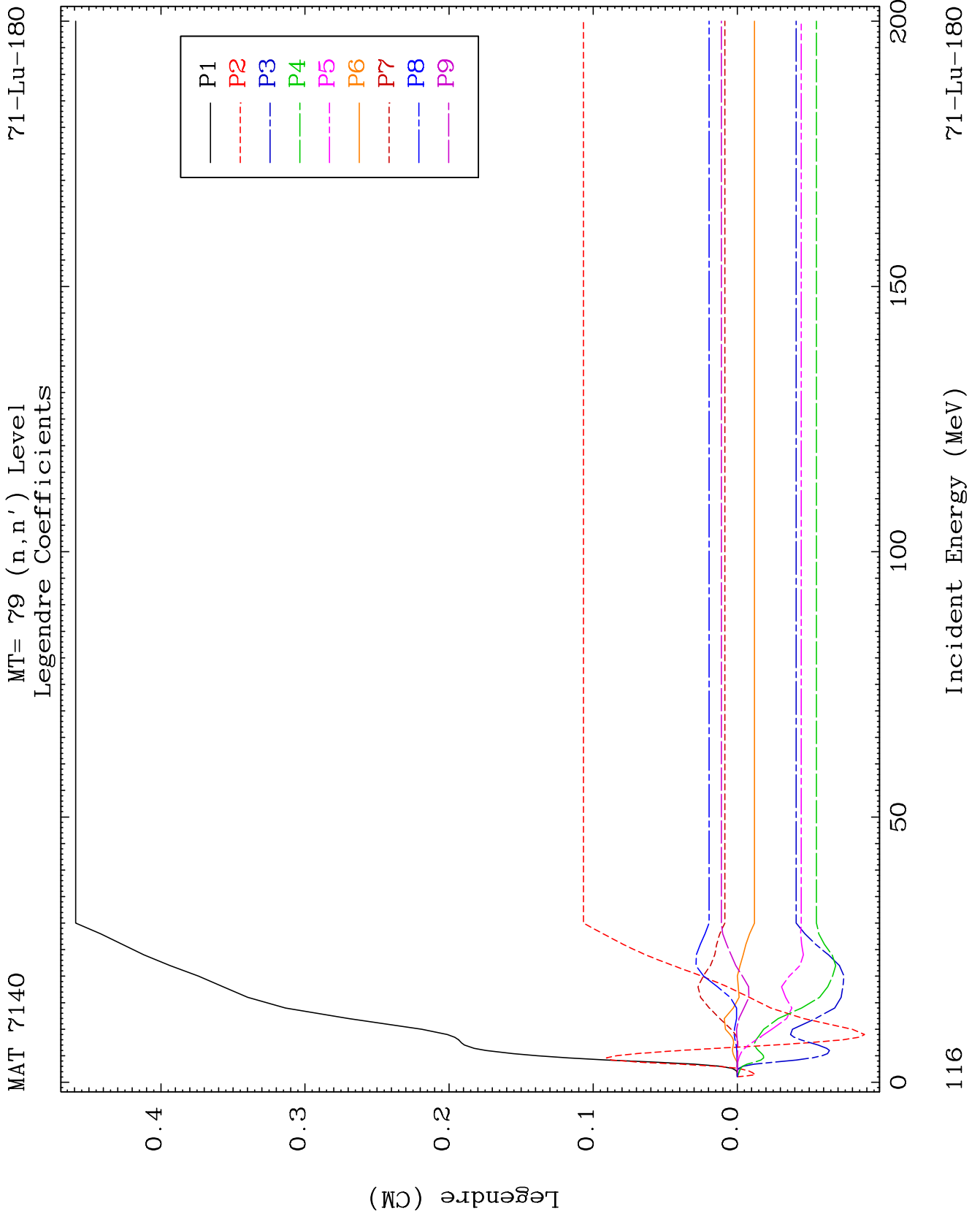
Incident Energy (MeV)

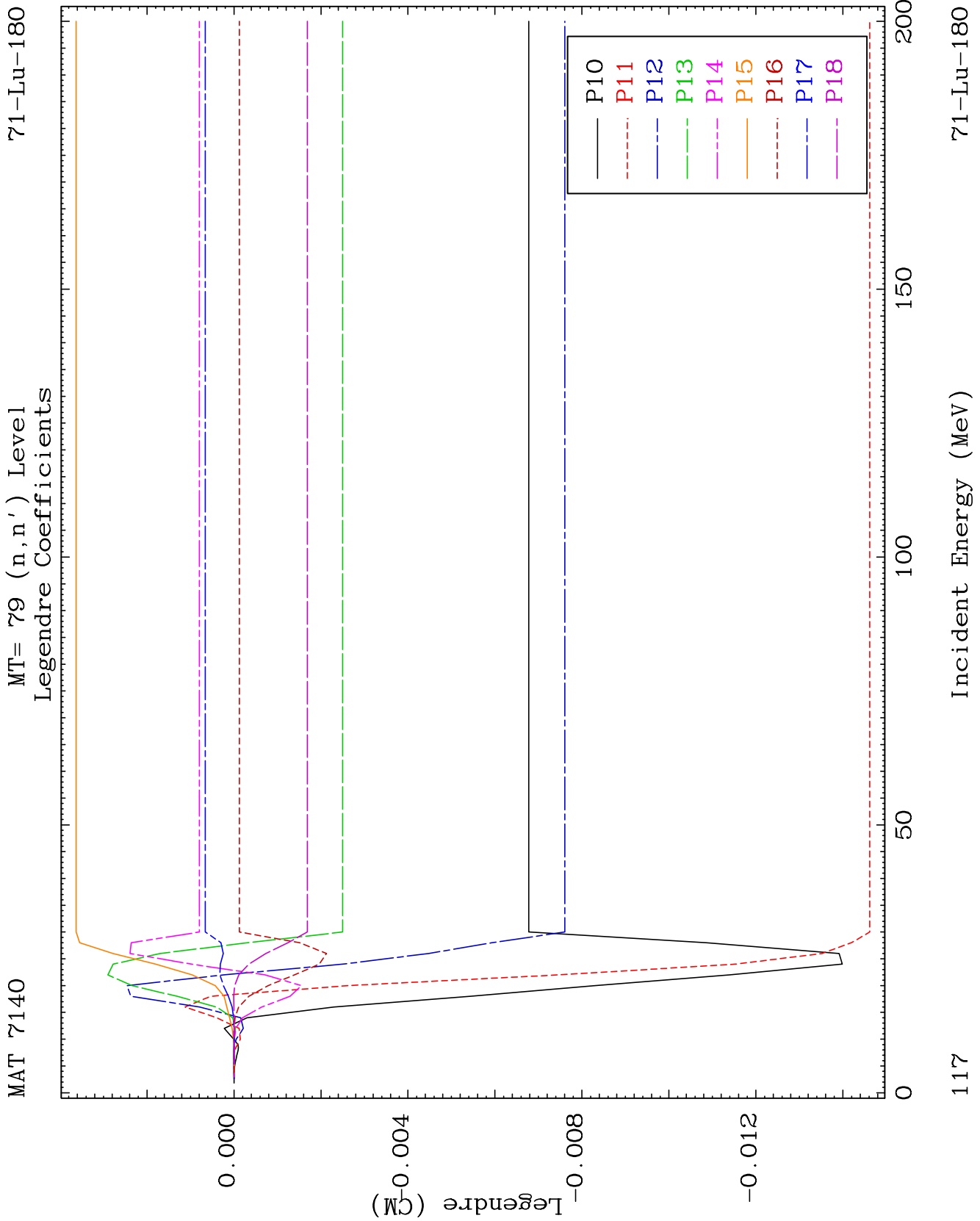
112







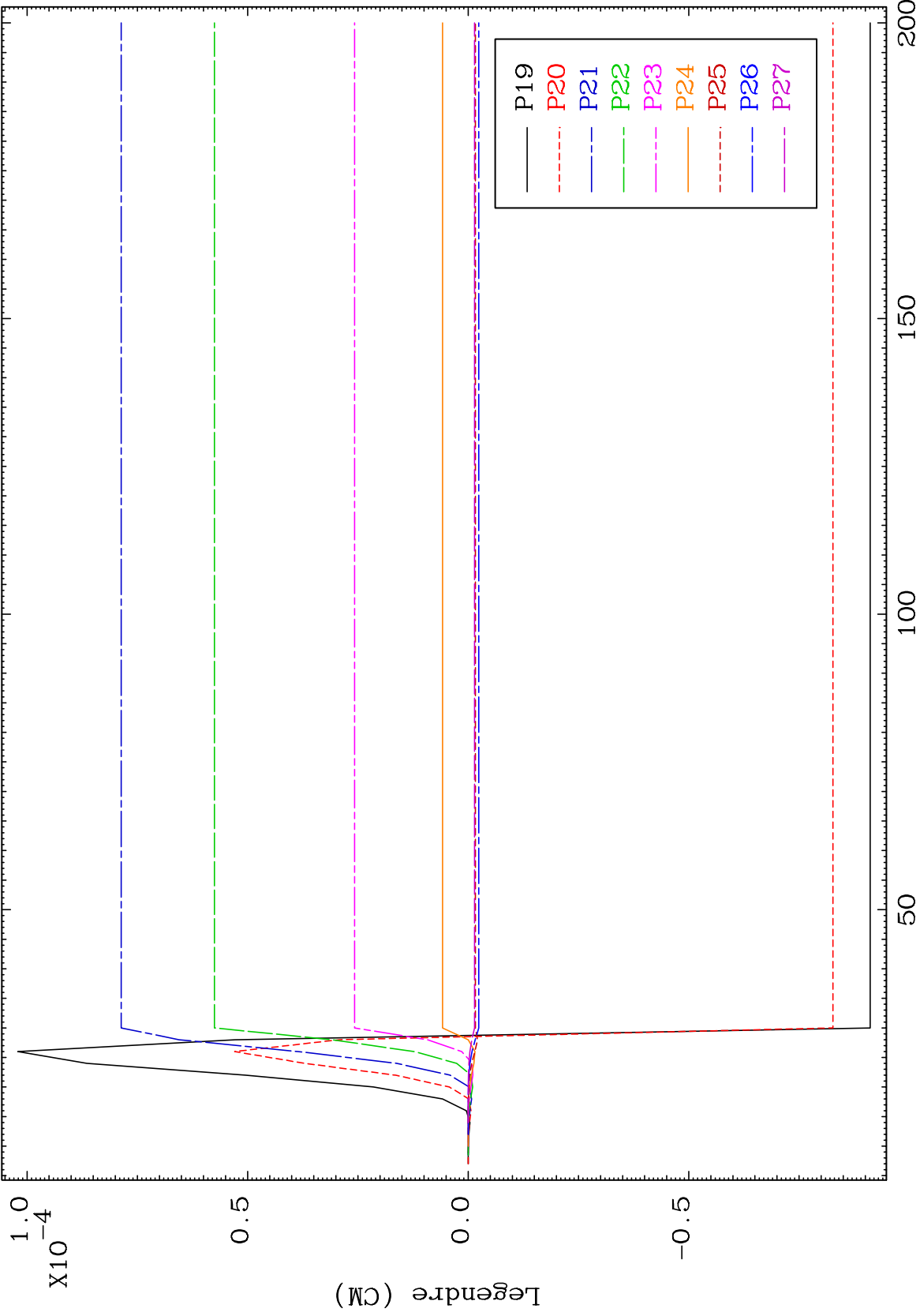




MAT 7140

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

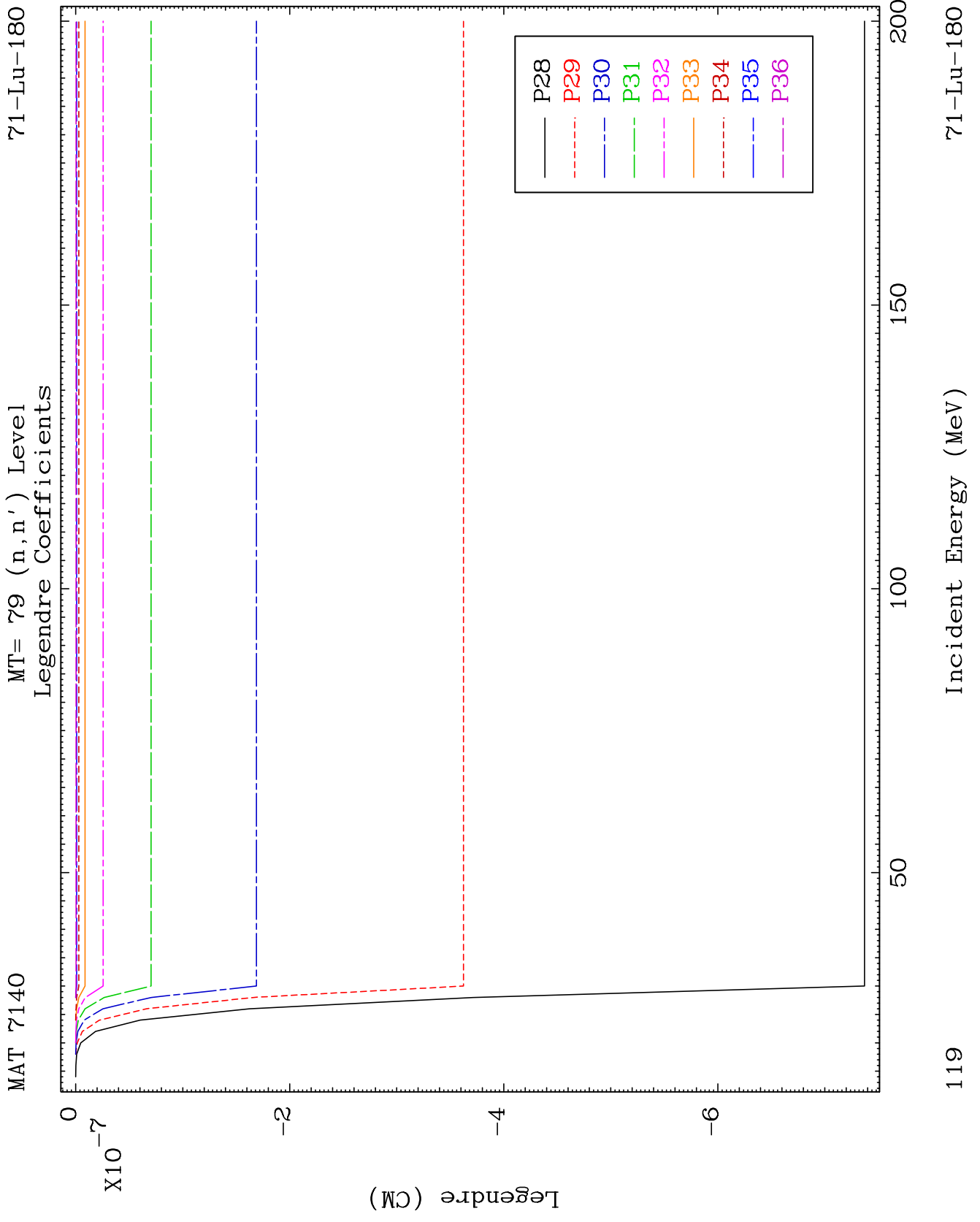
71-Lu-180

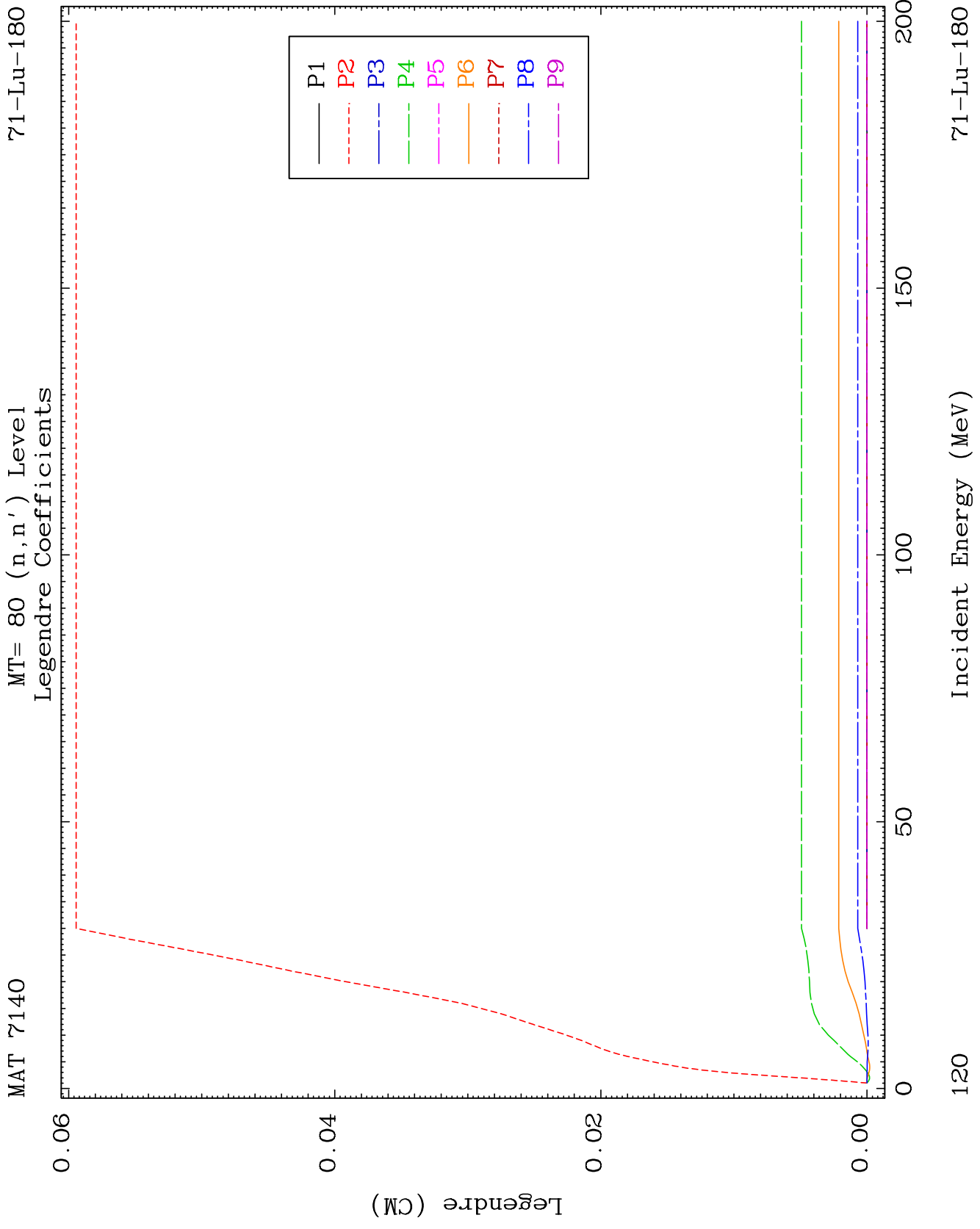


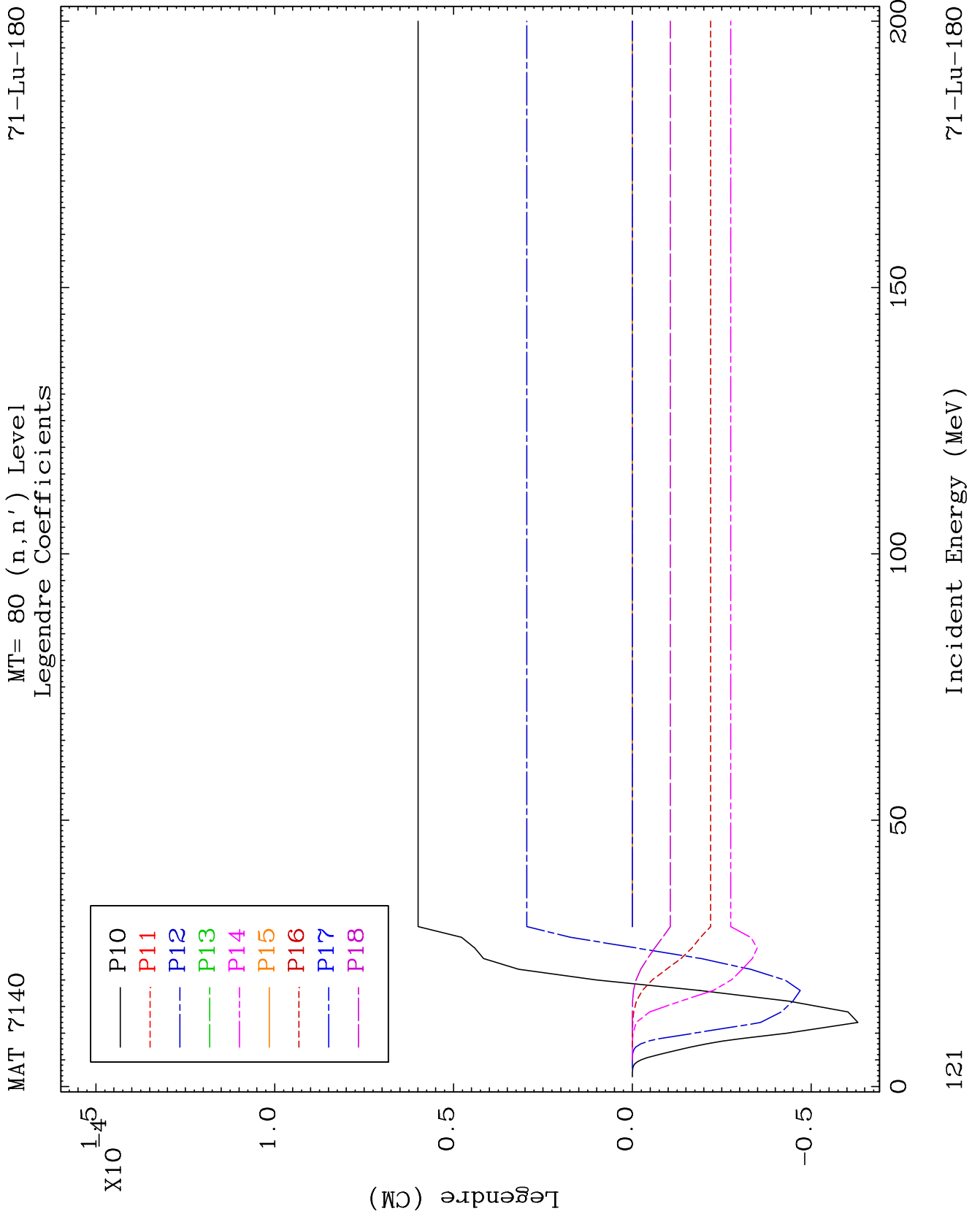
118

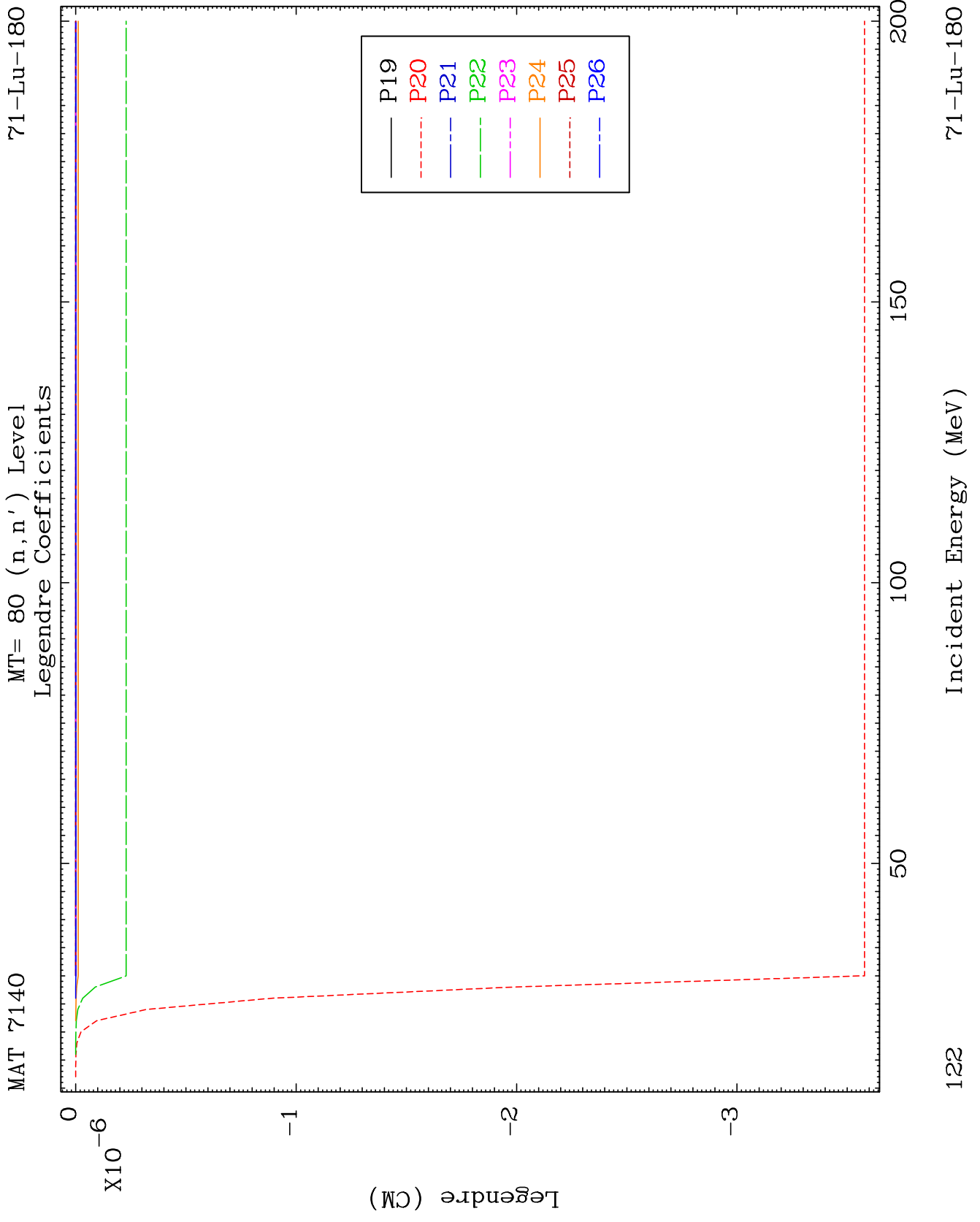
Incident Energy (MeV)

71-Lu-180

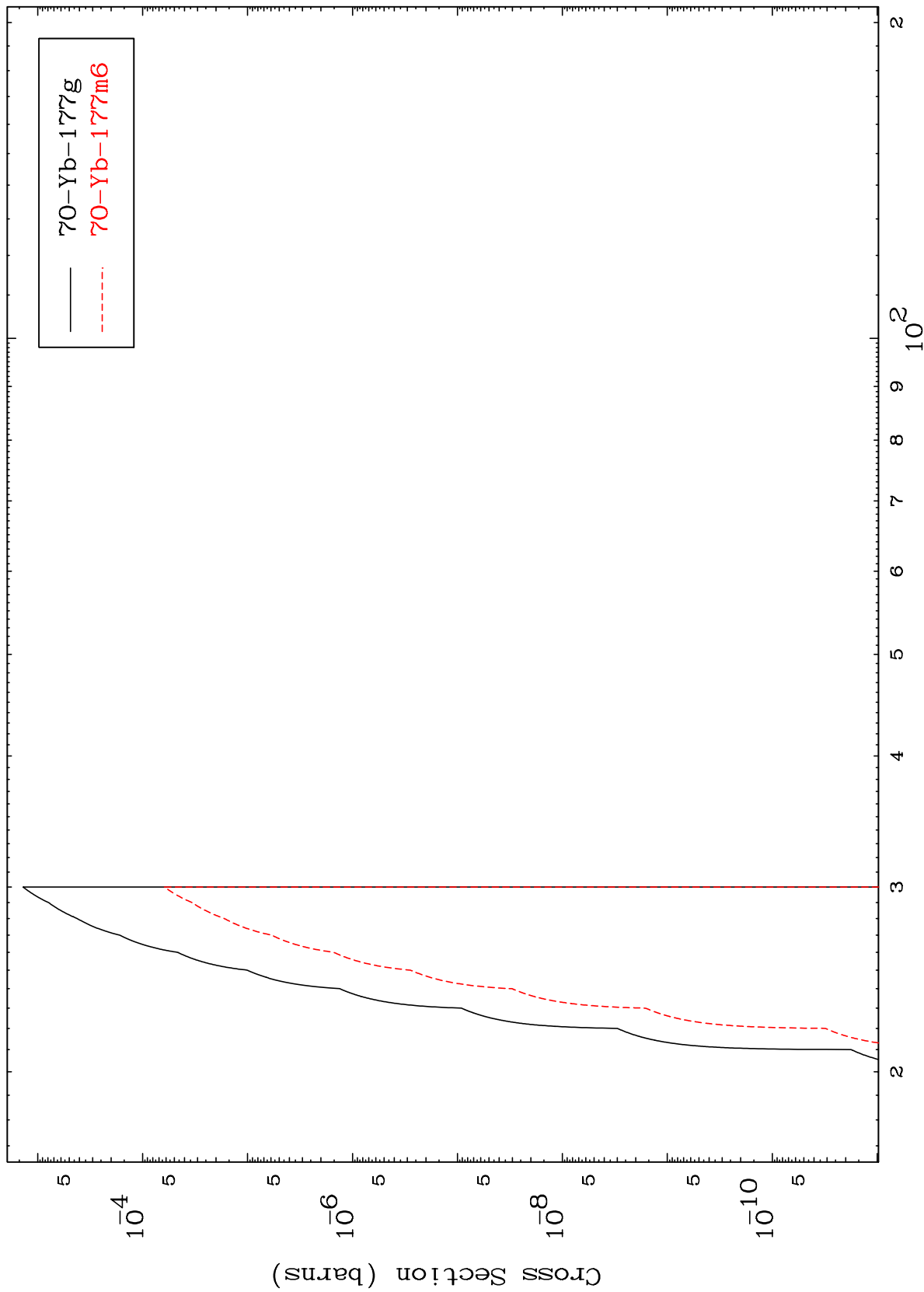


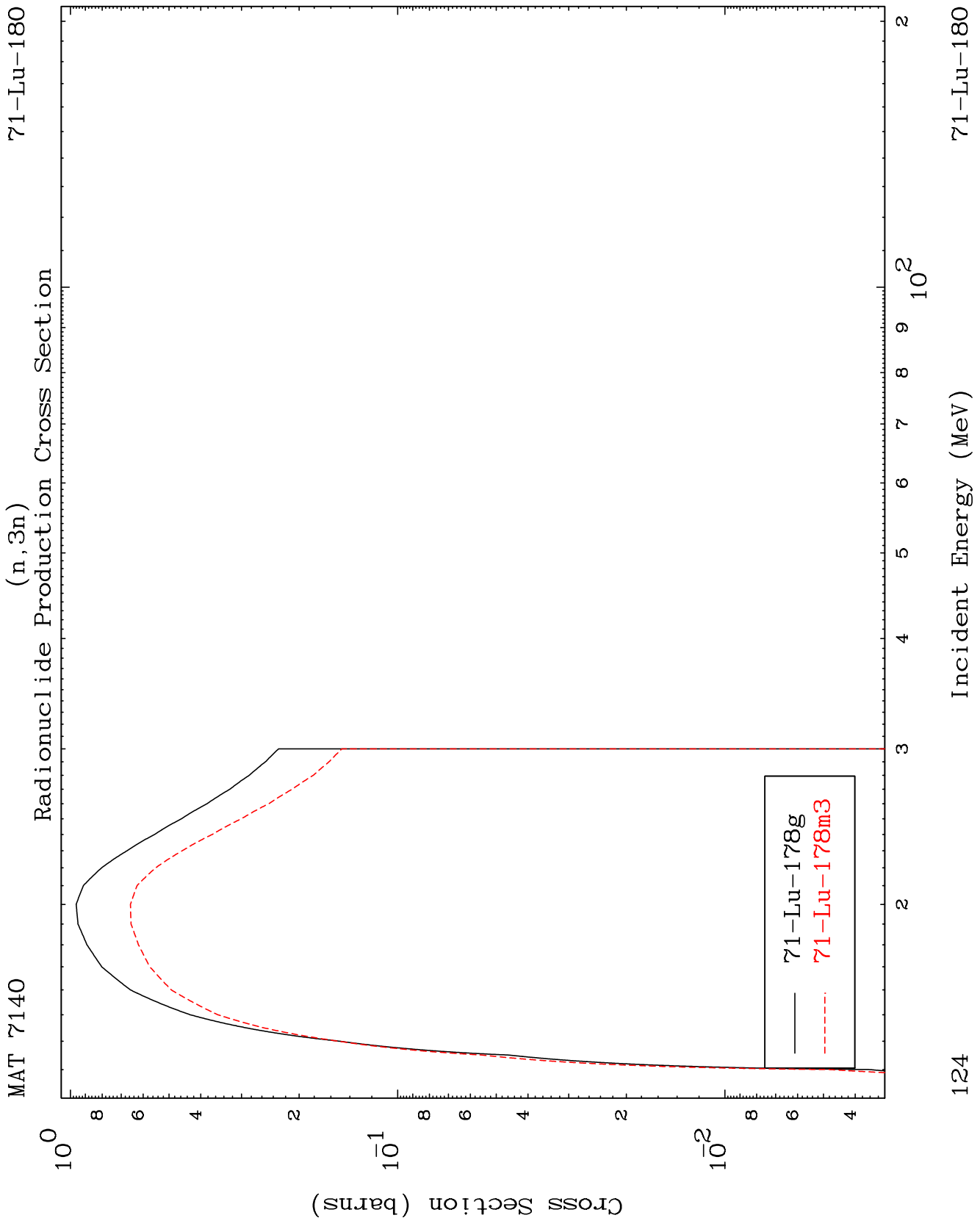






Radionuclide Production Cross Section



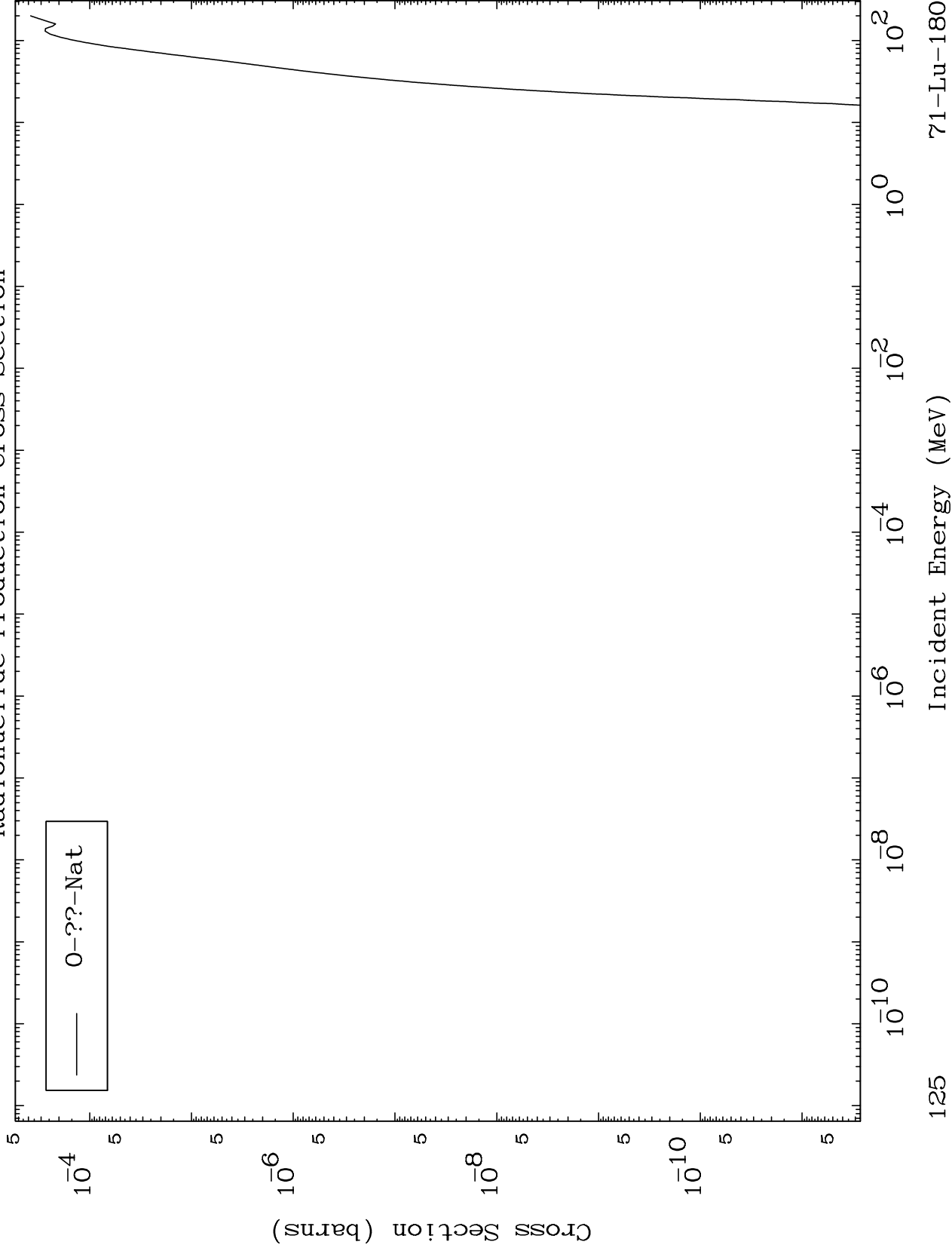


MAT 7140

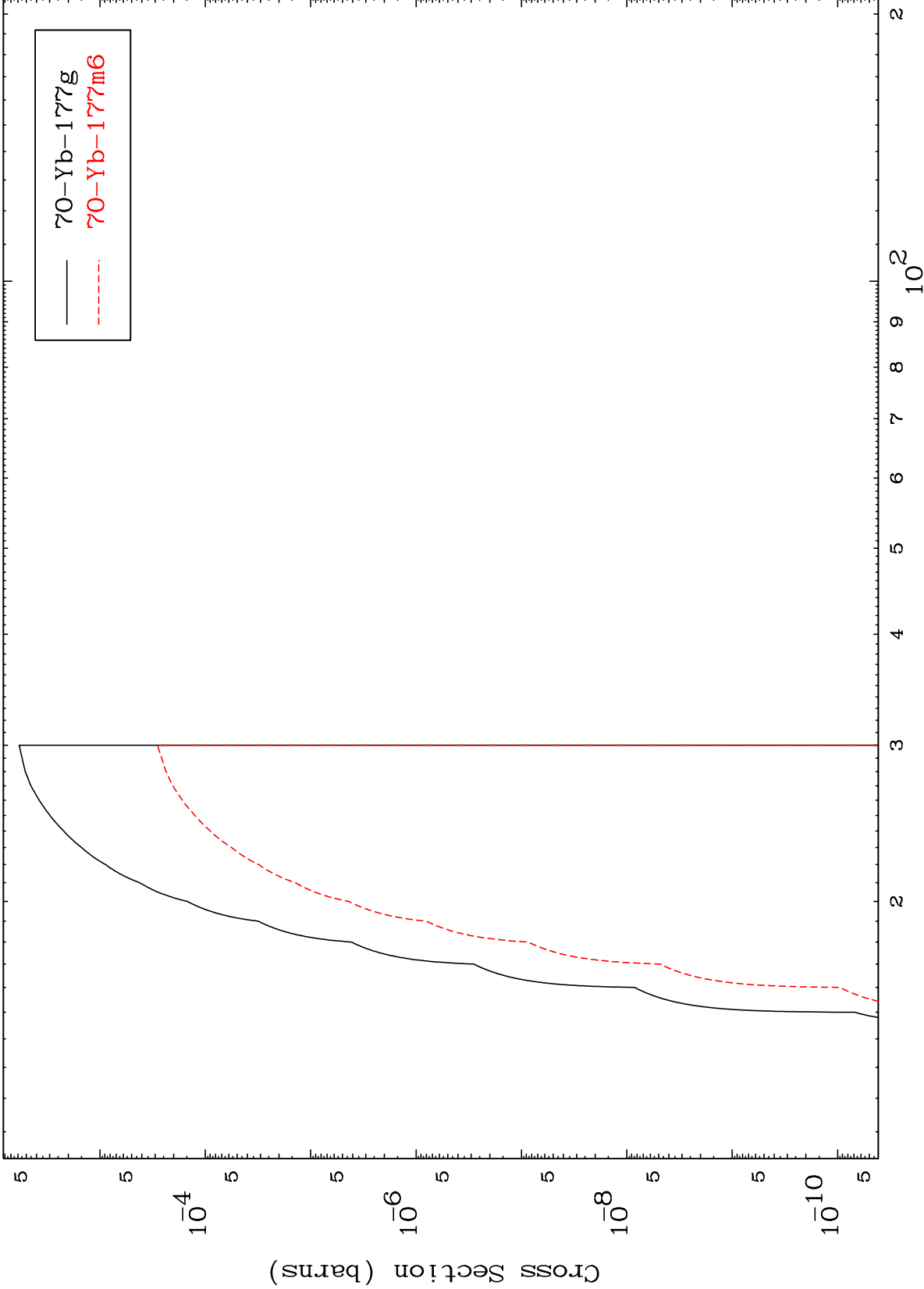
Fission

⁷¹Lu-180

Radionuclide Production Cross Section



Radionuclide Production Cross Section

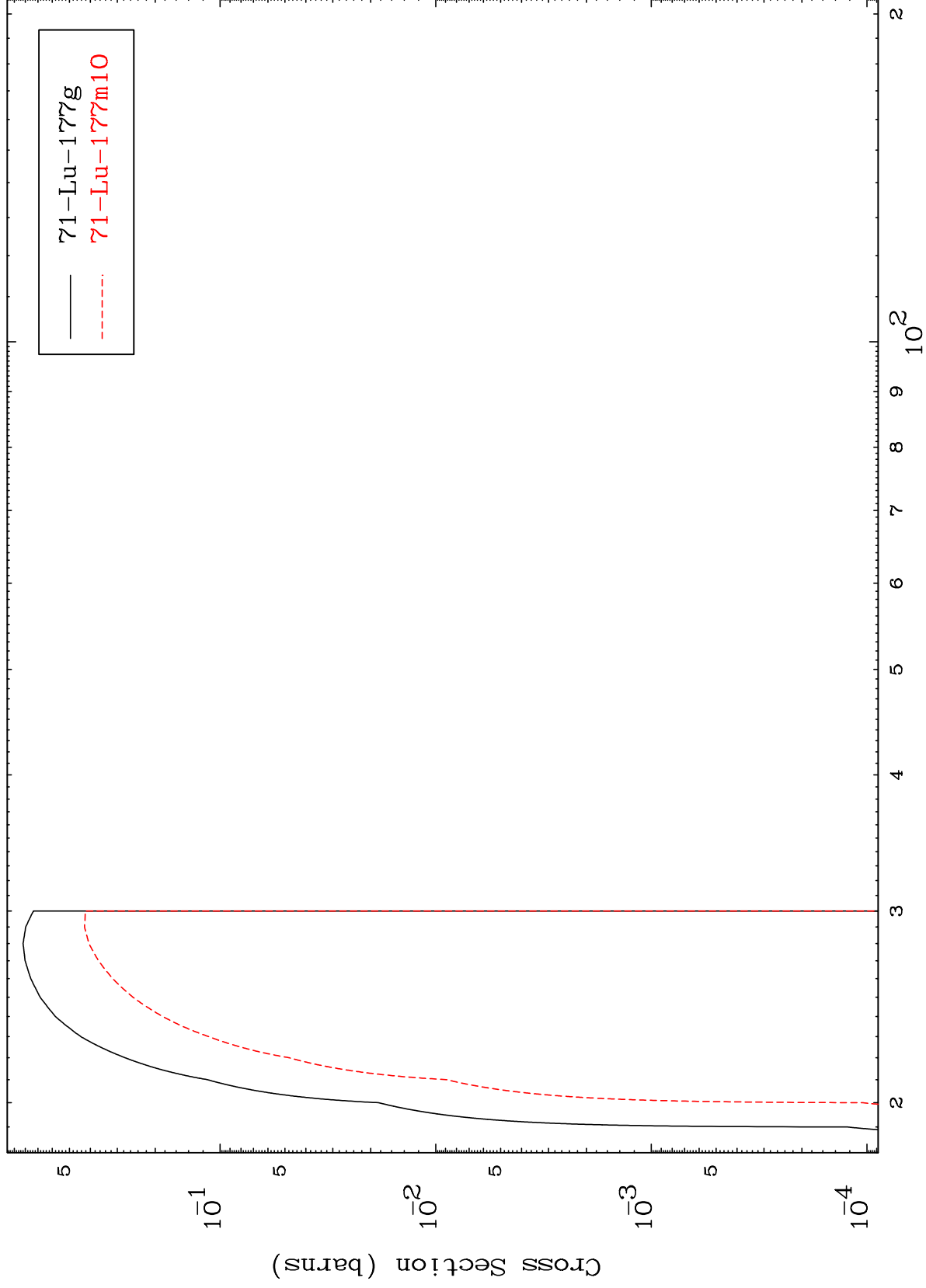


MAT 7140

(n,4n)

71-Lu-180

Radionuclide Production Cross Section



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Incident Energy (MeV)

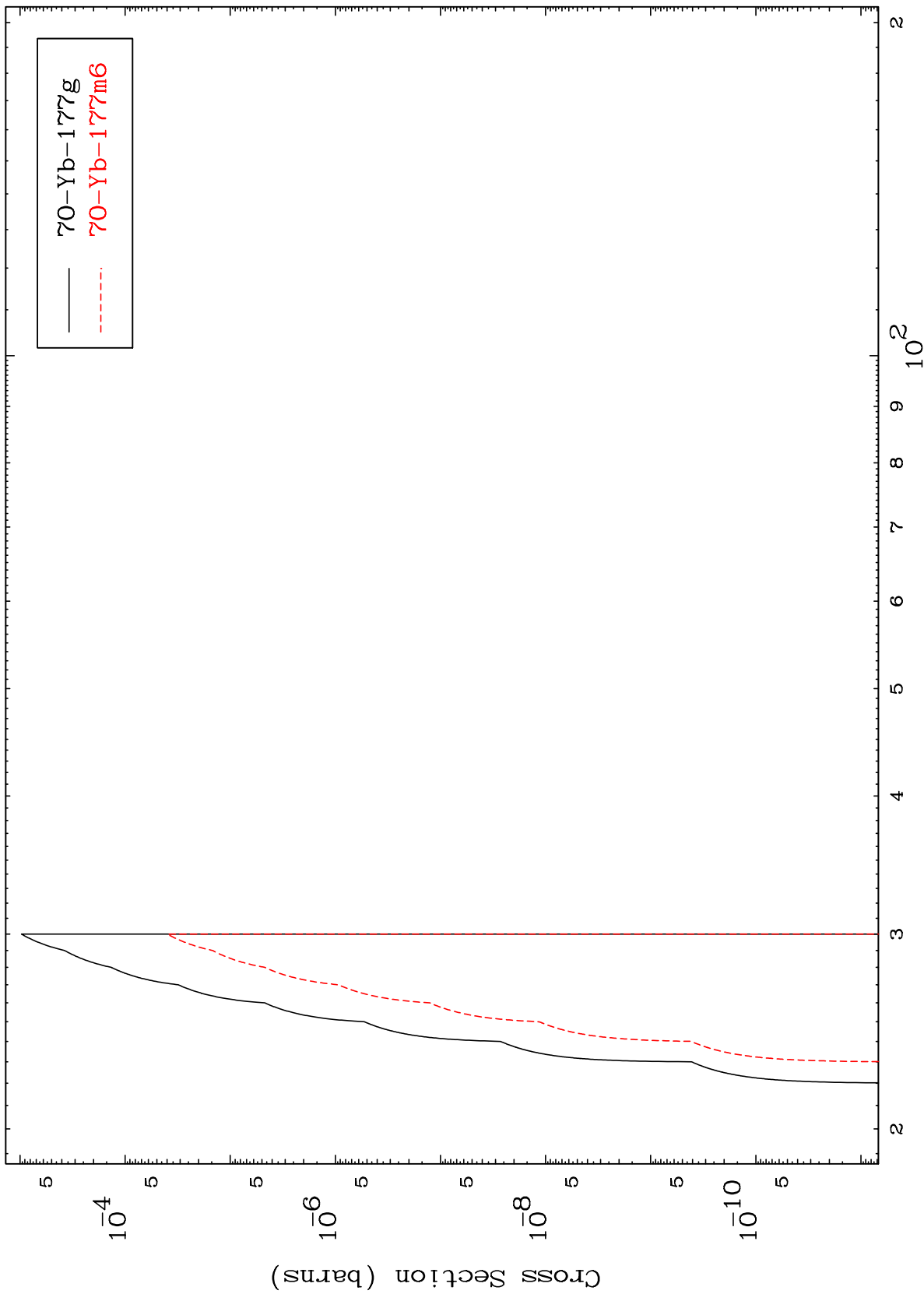
71-Lu-180

MAT 7140

(n,3n) p

71-Lu-180

Radionuclide Production Cross Section



128

Incident Energy (MeV)

71-Lu-180