

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

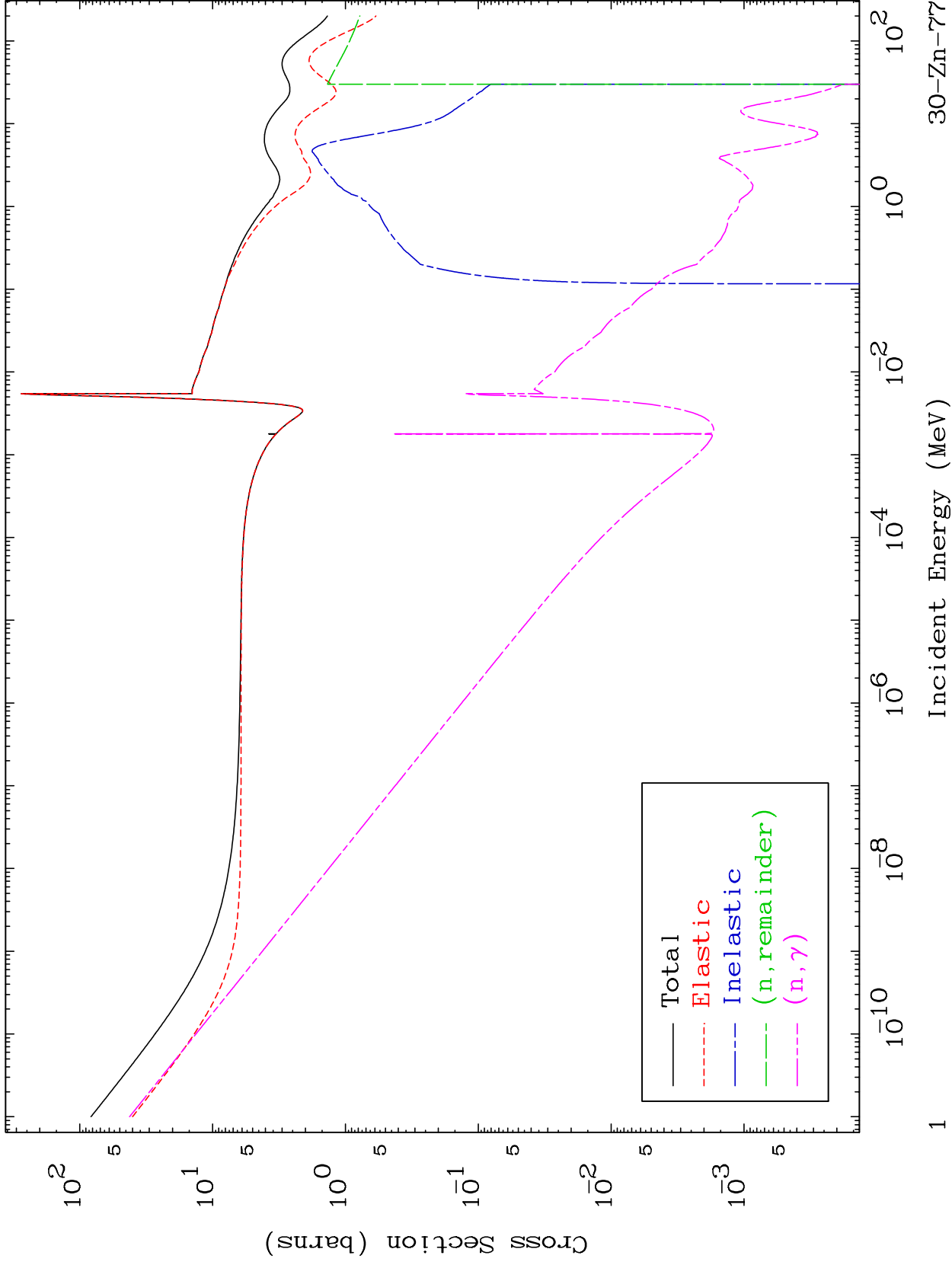
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3064

Major
293 Kelvin Cross Sections

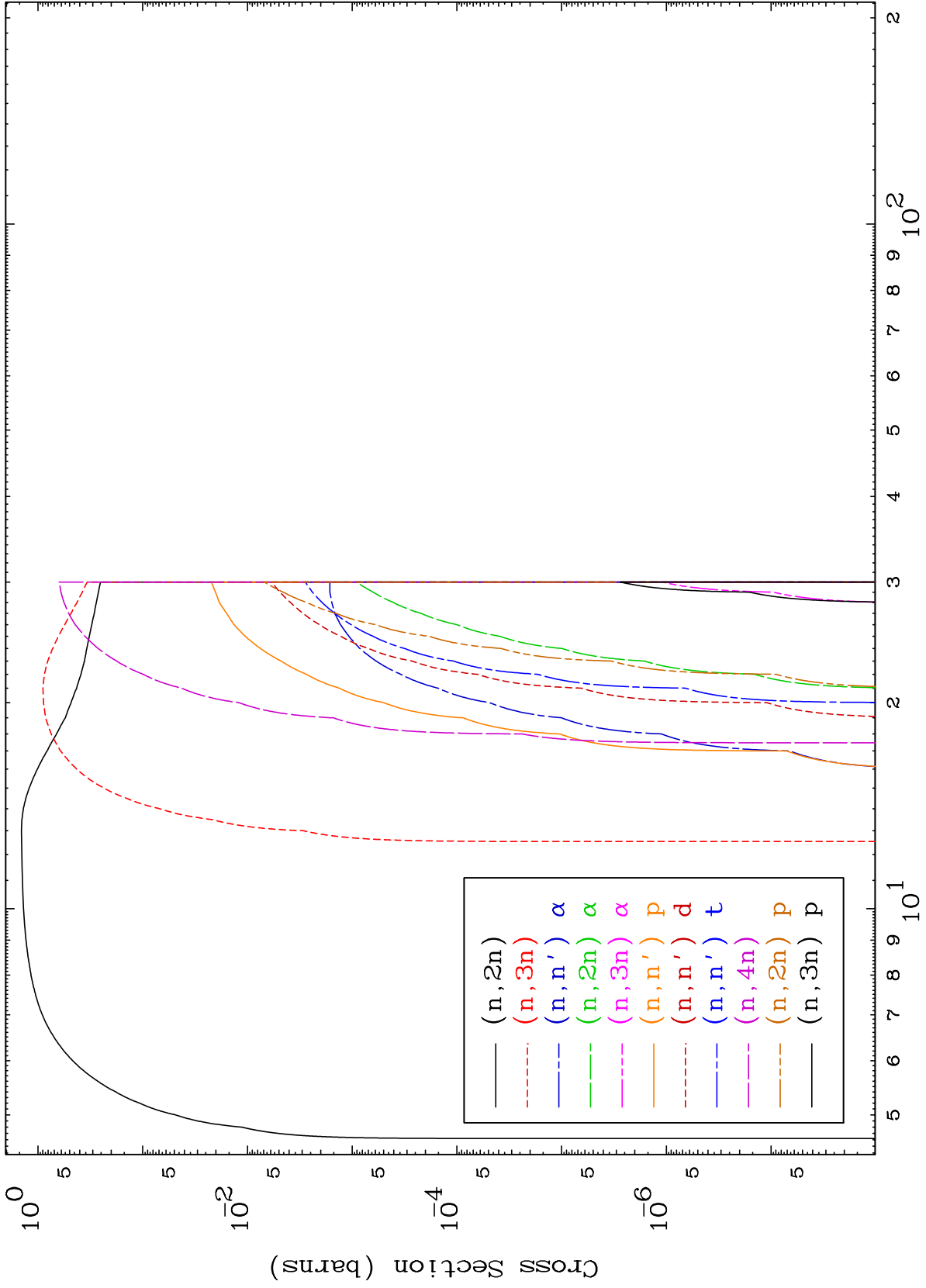
30-Zn-77



MAT 3064

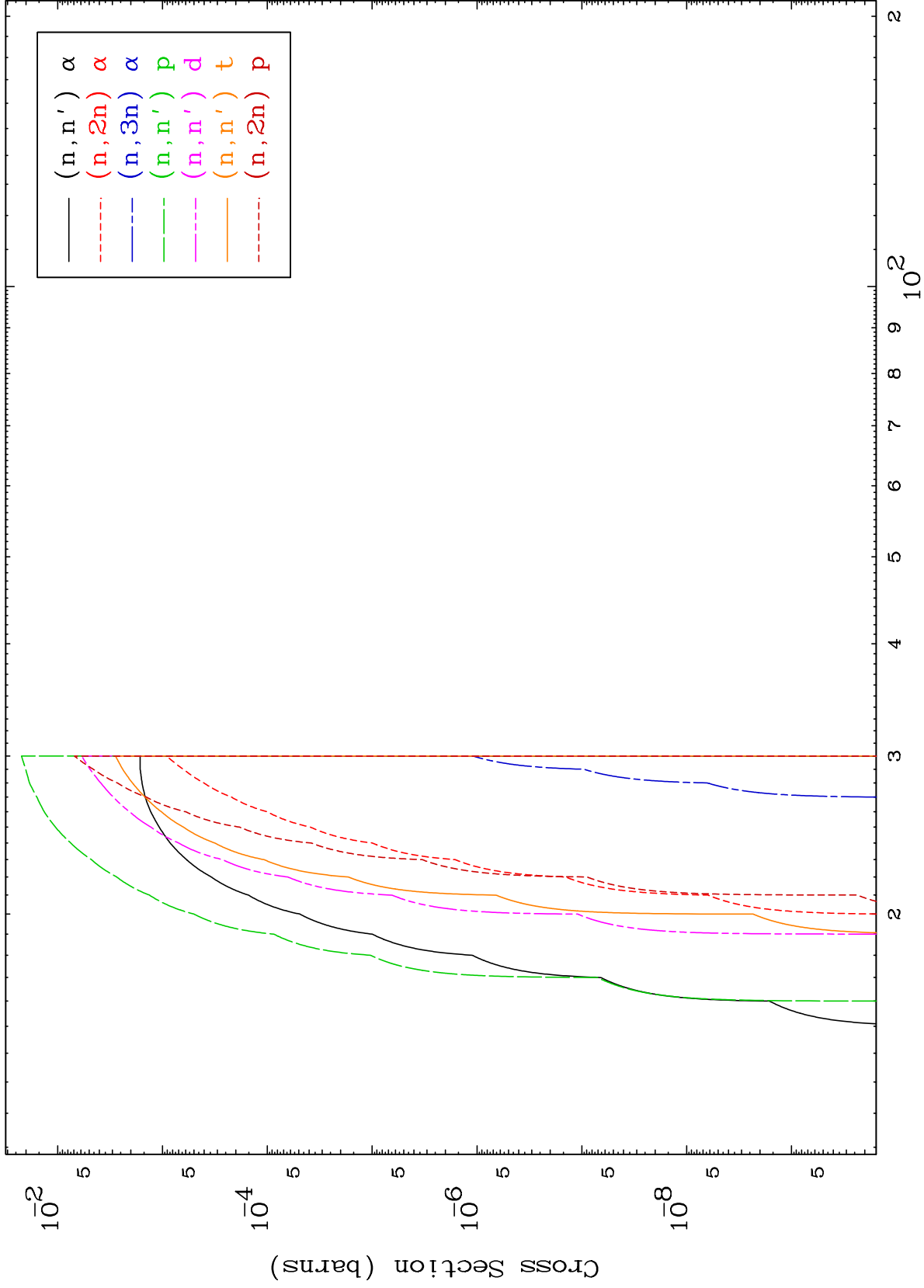
Neutron Production
293 Kelvin Cross Sections

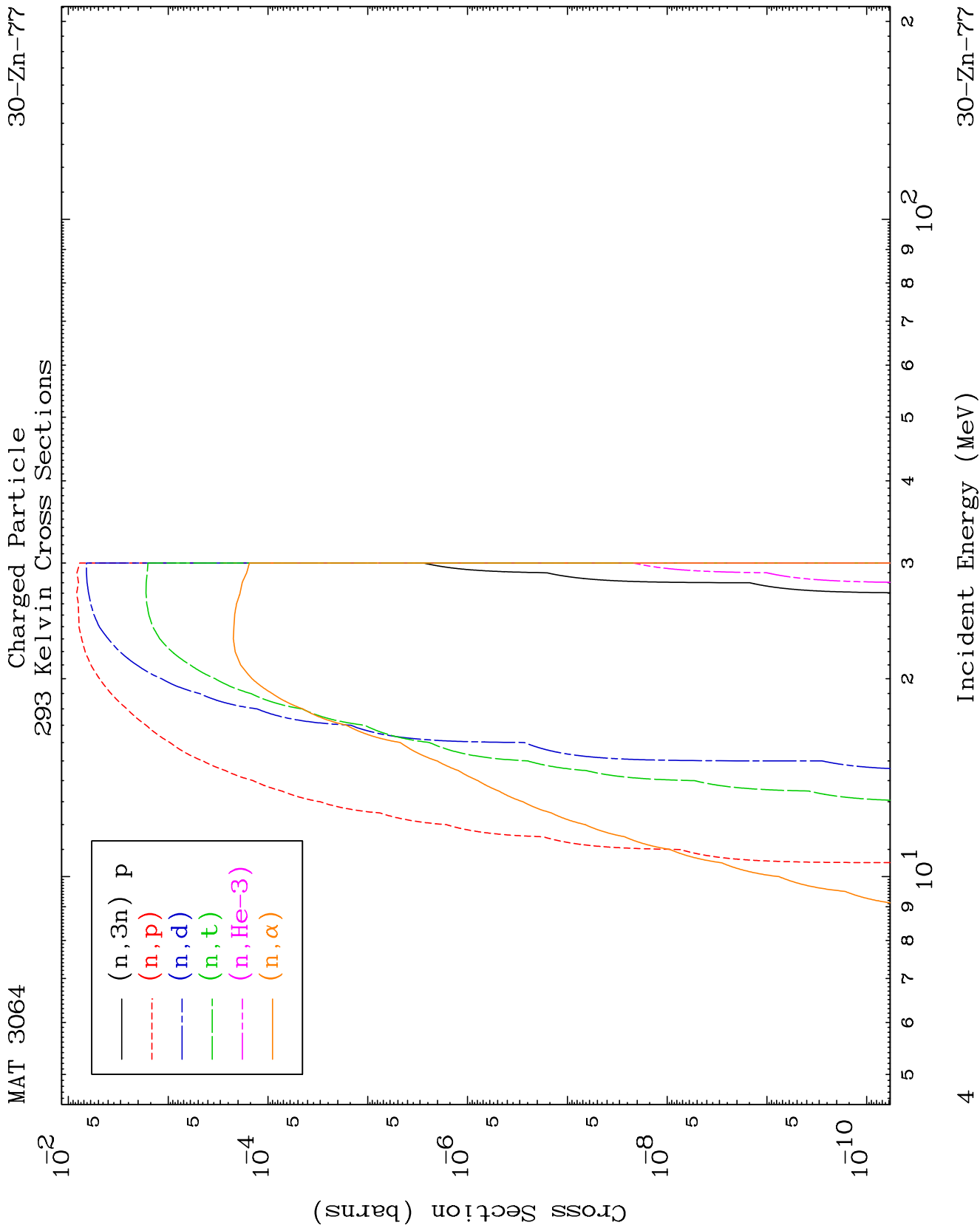
30-Zn-77

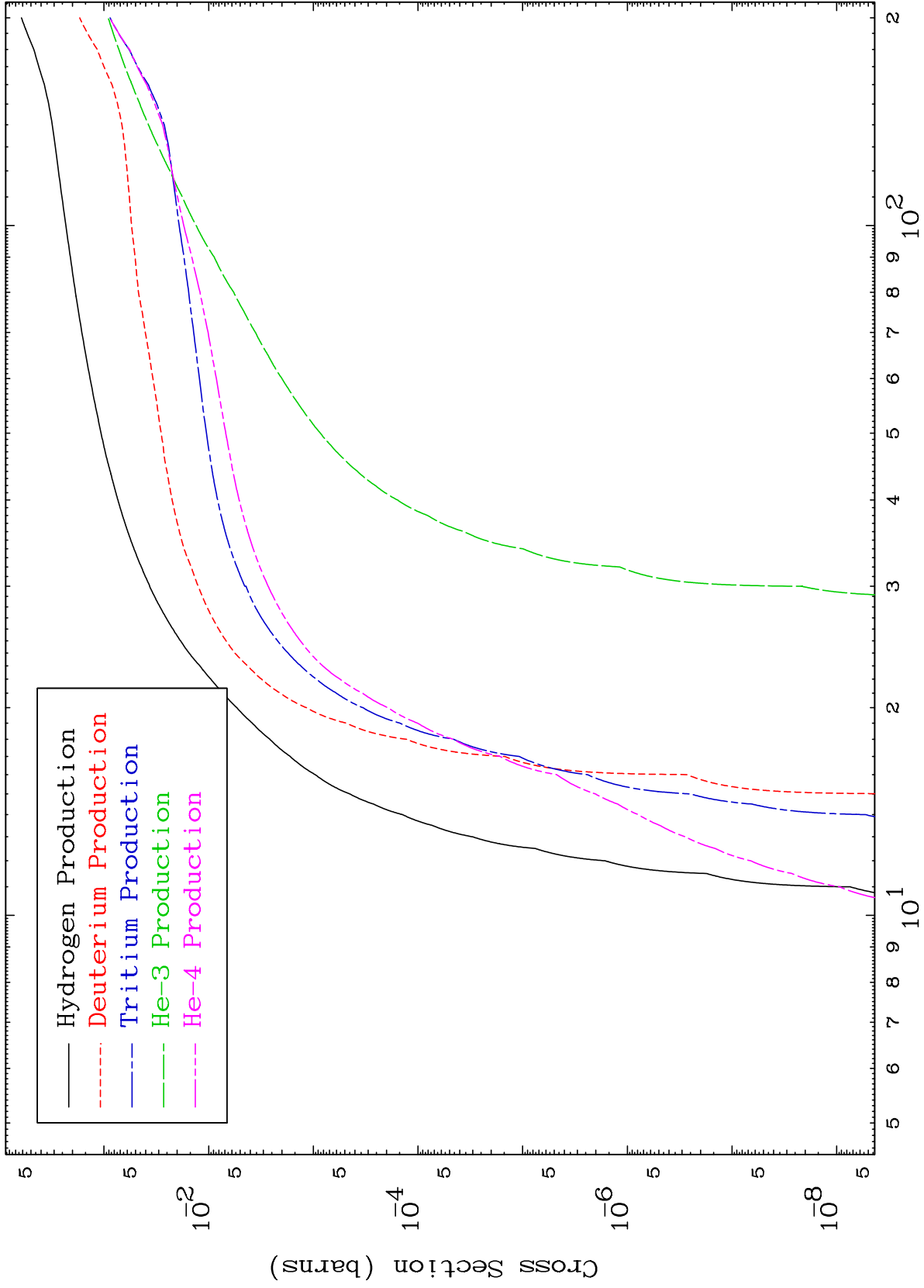


Incident Energy (MeV)

30-Zn-77





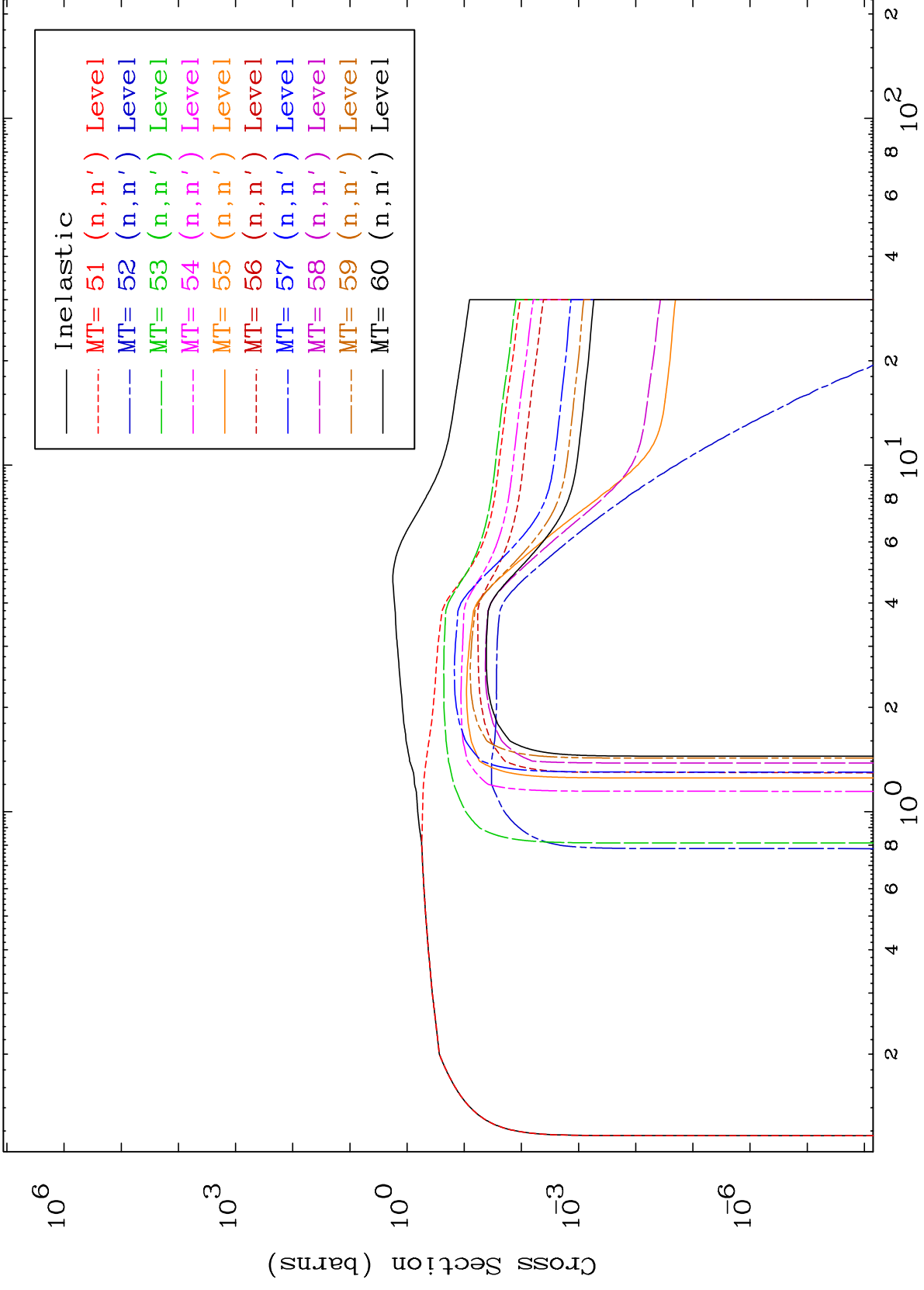


MAT 3064

(n,n') Level

30-Zn-77

293 Kelvin Cross Sections

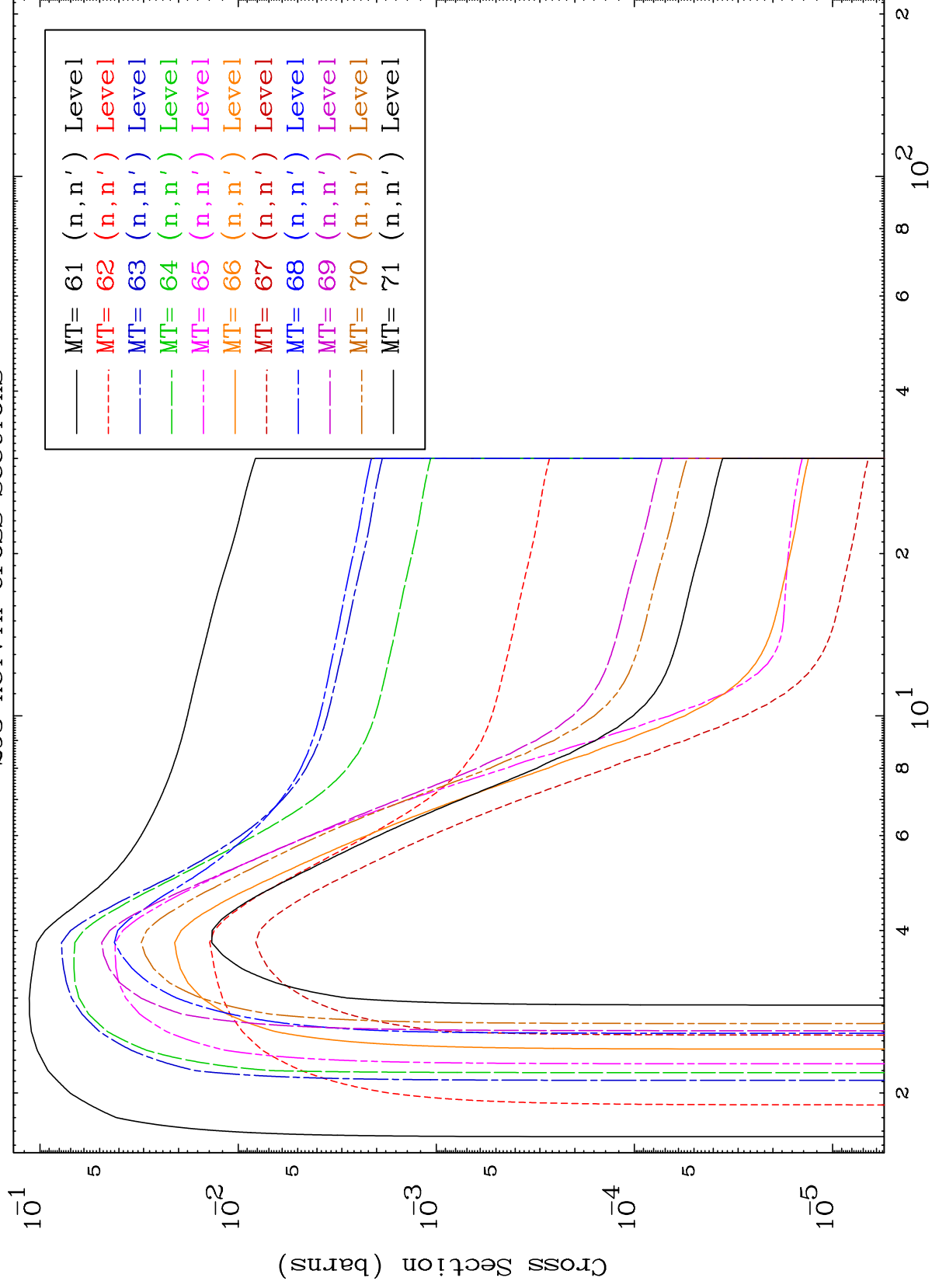


MAT 3064

(n,n') Level

30-Zn-77

293 Kelvin Cross Sections



7

Incident Energy (MeV)

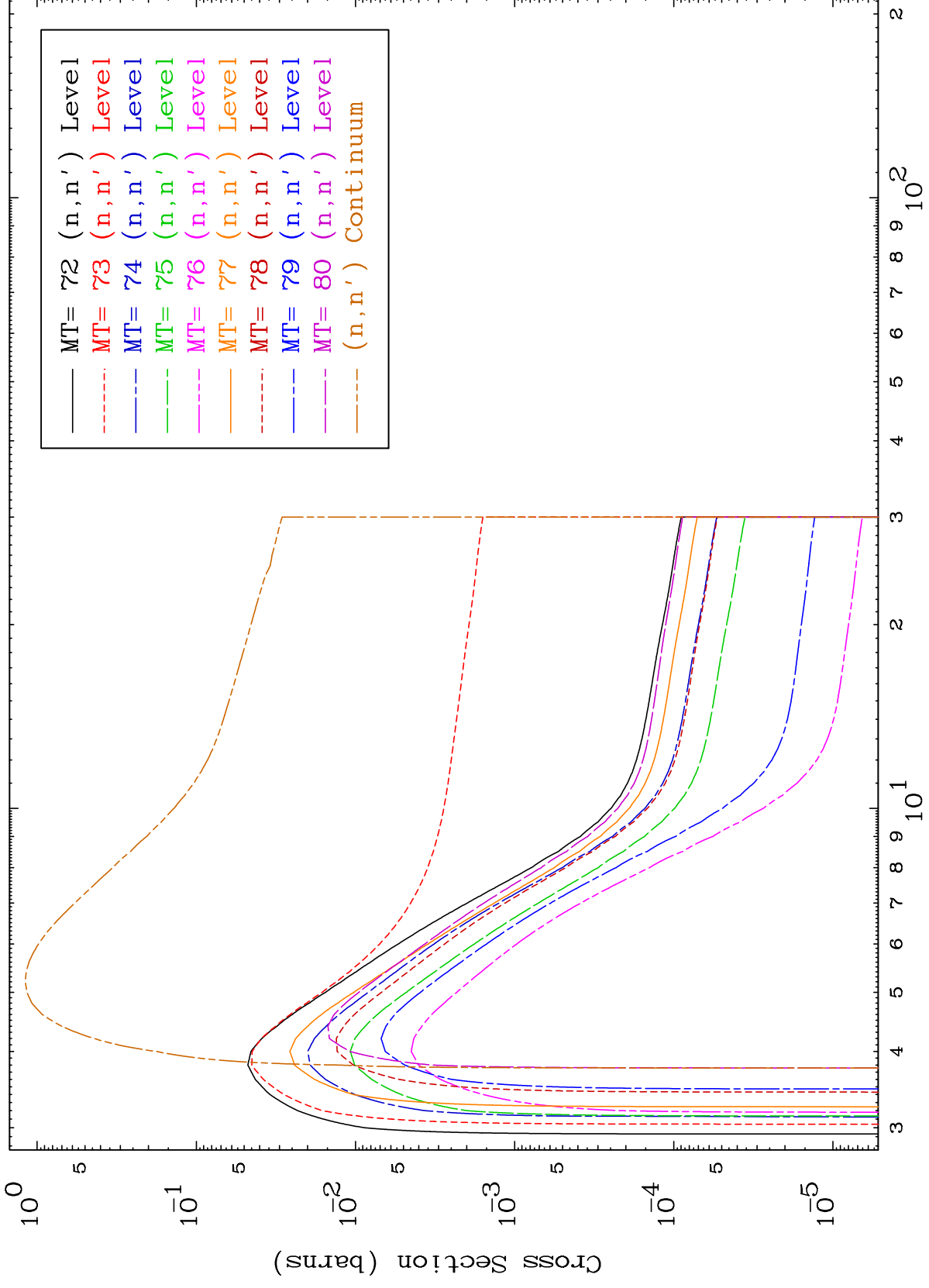
30-Zn-77

MAT 3064

(n,n') Level

30-Zn-77

293 Kelvin Cross Sections

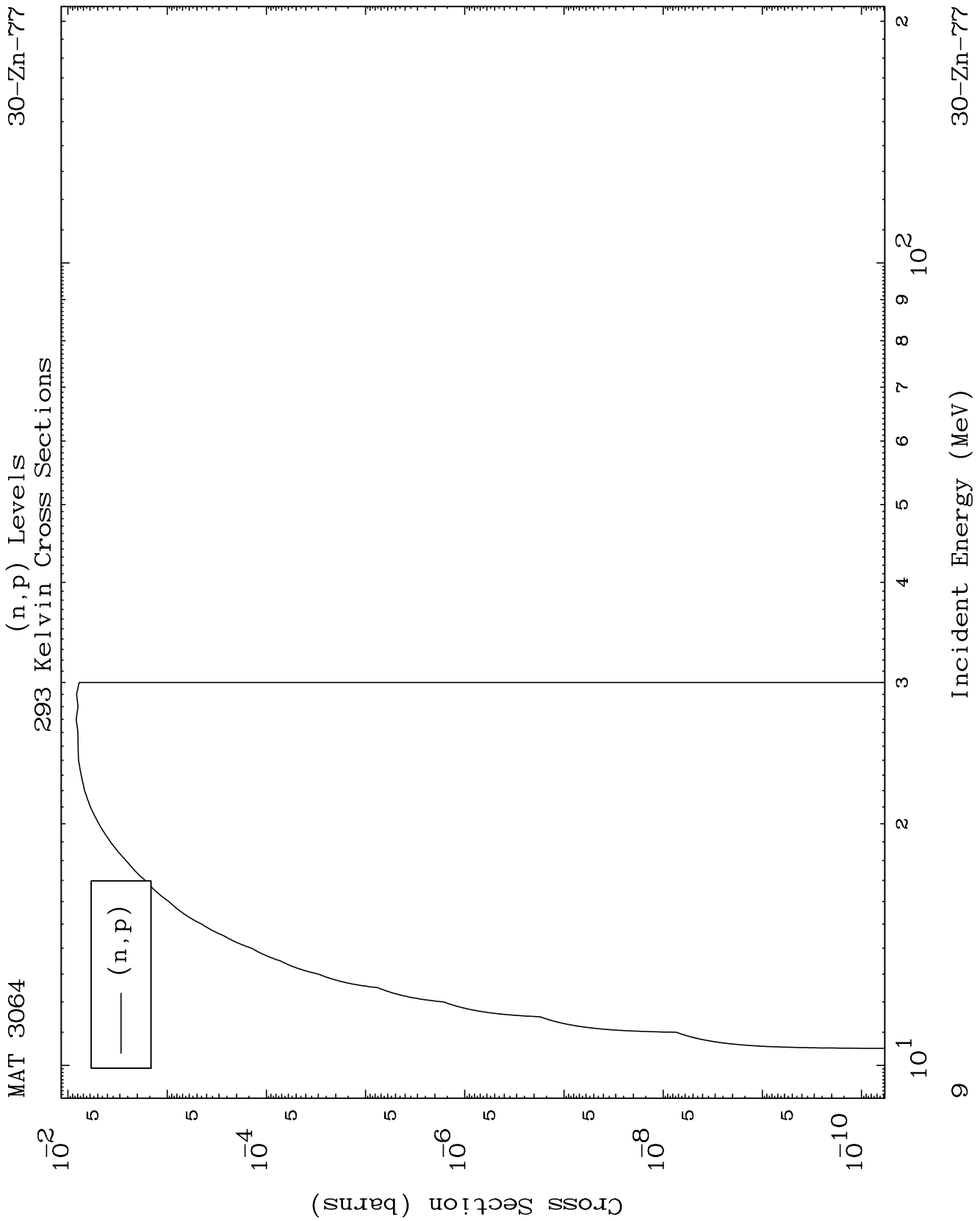


—	MT= 72	(n, n')	Level
- - -	MT= 73	(n, n')	Level
- . - .	MT= 74	(n, n')	Level
- - -	MT= 75	(n, n')	Level
- . - .	MT= 76	(n, n')	Level
—	MT= 77	(n, n')	Level
- - -	MT= 78	(n, n')	Level
- . - .	MT= 79	(n, n')	Level
- . - .	MT= 80	(n, n')	Level
- - -	(n, n')	Continuum	

8

Incident Energy (MeV)

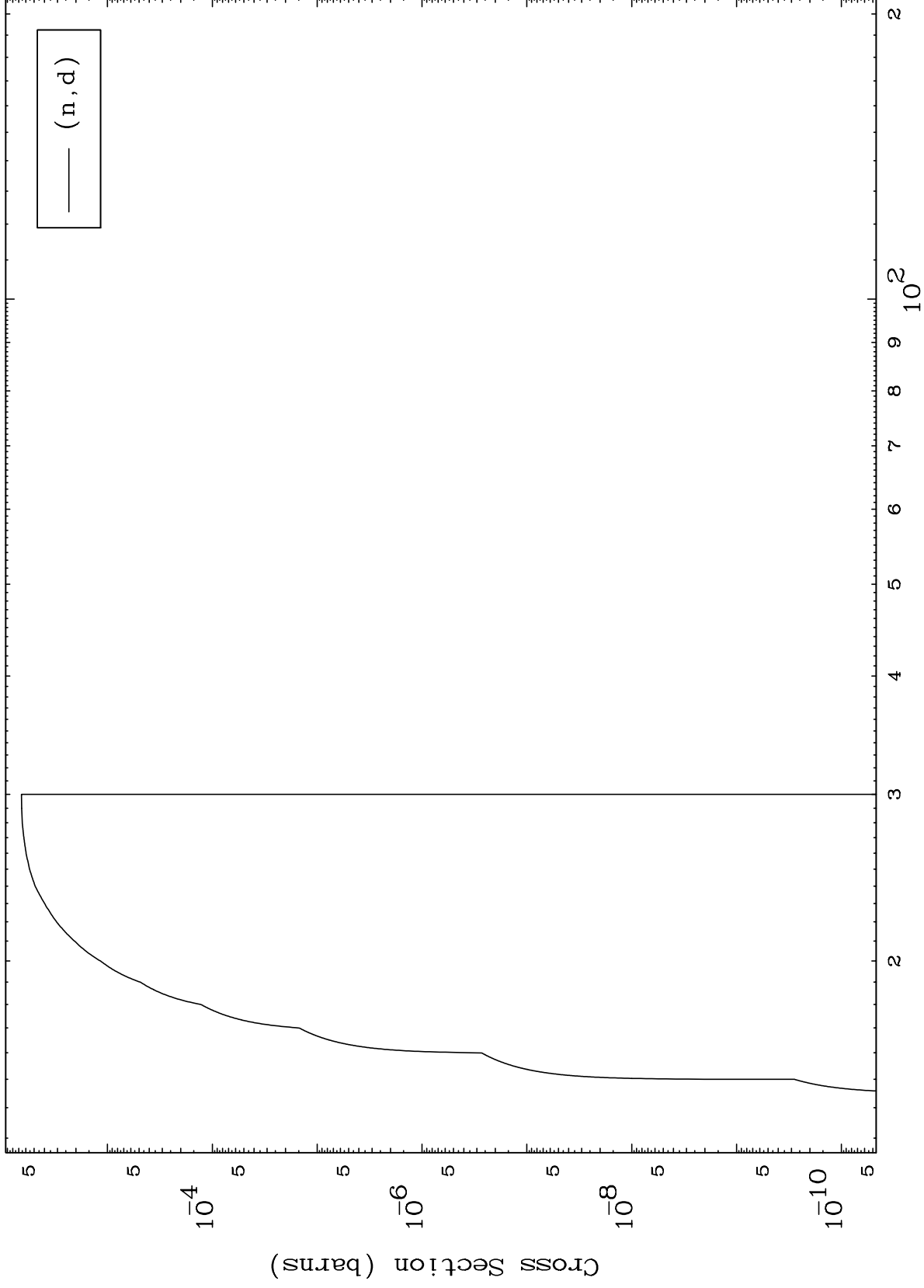
30-Zn-77



MAT 3064

(n,d) Levels
293 Kelvin Cross Sections

30-Zn-77



10

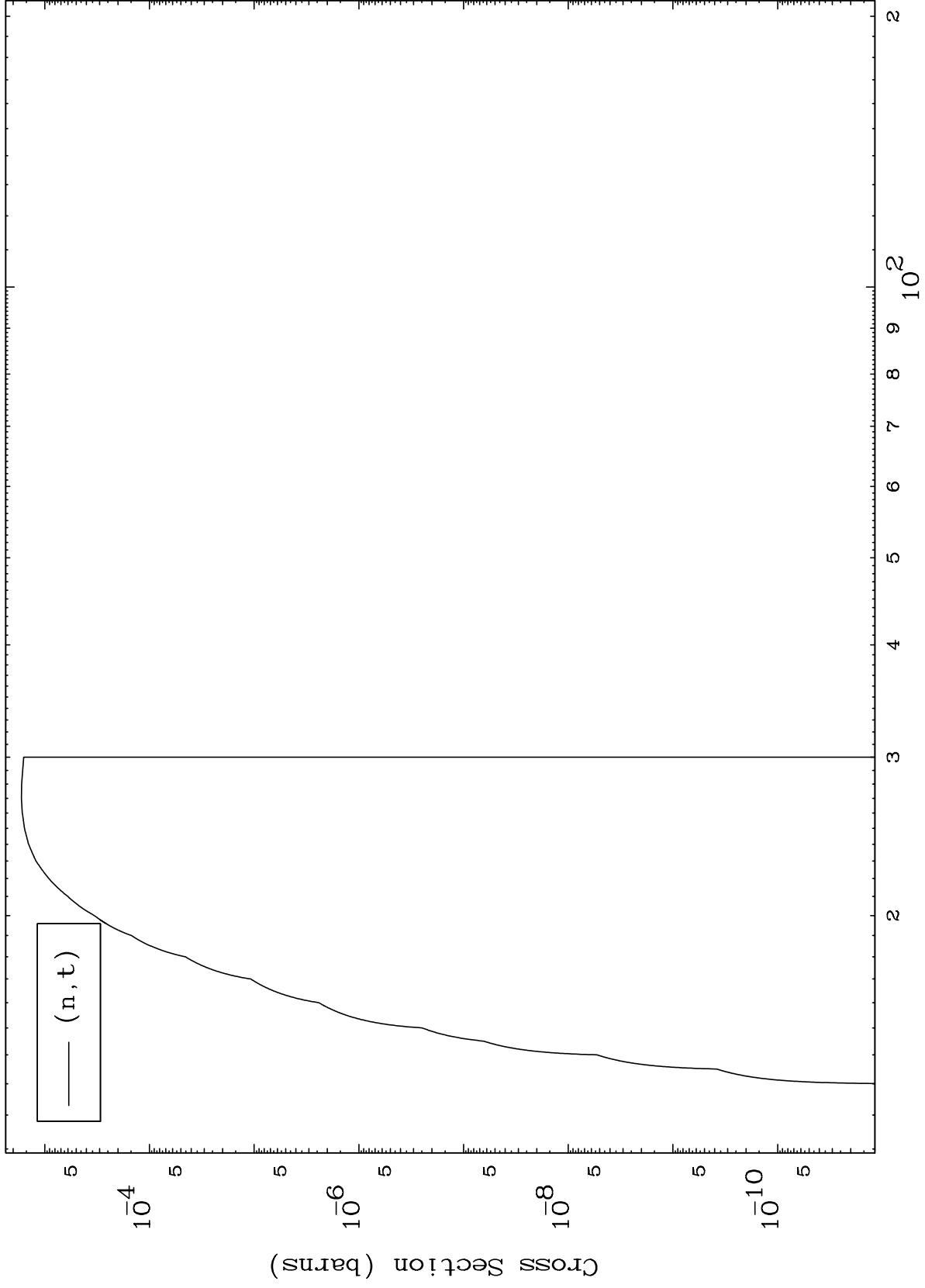
Incident Energy (MeV)

30-Zn-77

MAT 3064

(n,t) Levels
293 Kelvin Cross Sections

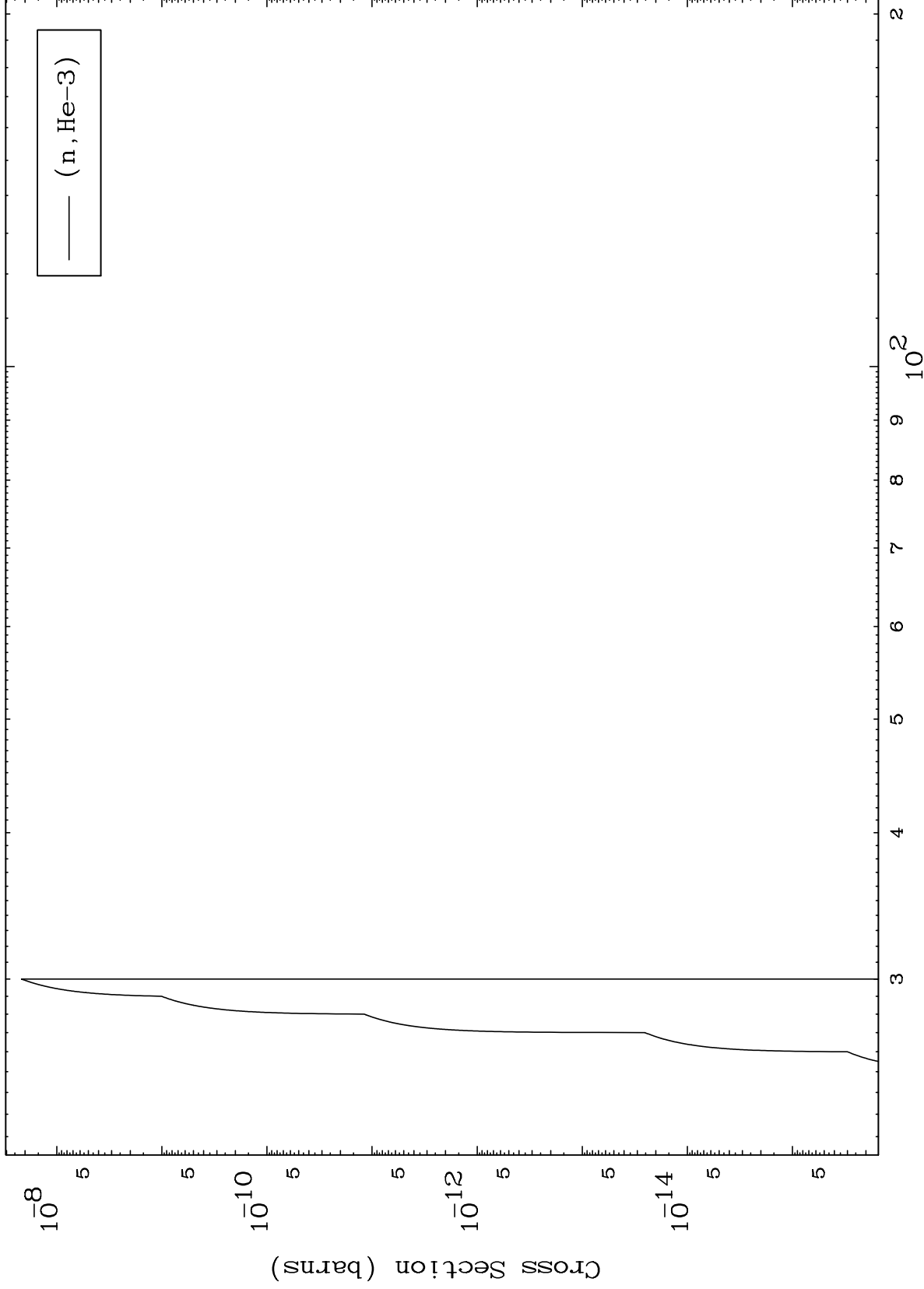
30-Zn-77



MAT 3064

(n,He3) Levels
293 Kelvin Cross Sections

30-Zn-77



12

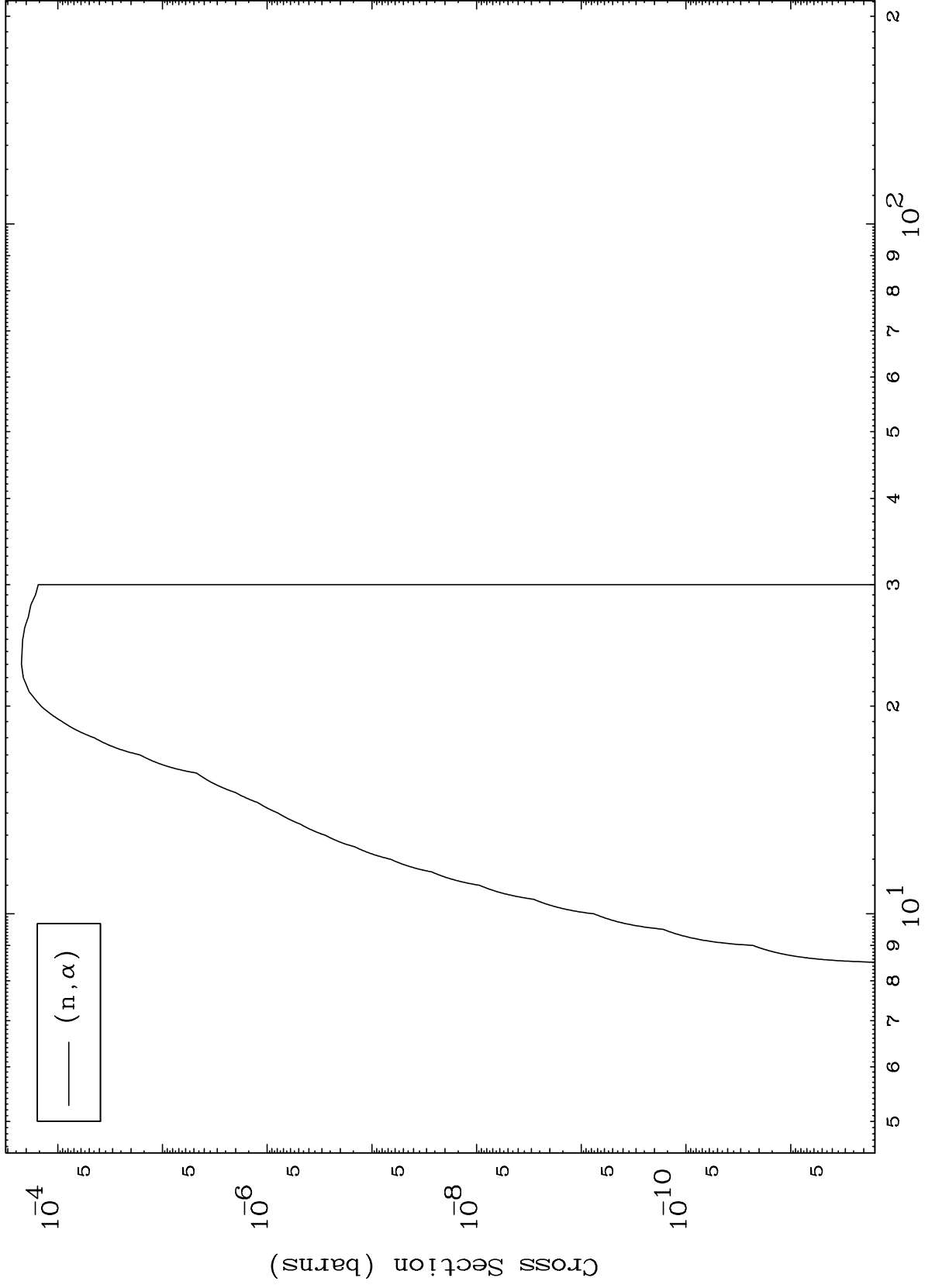
Incident Energy (MeV)

30-Zn-77

MAT 3064

(n, α) Levels
293 Kelvin Cross Sections

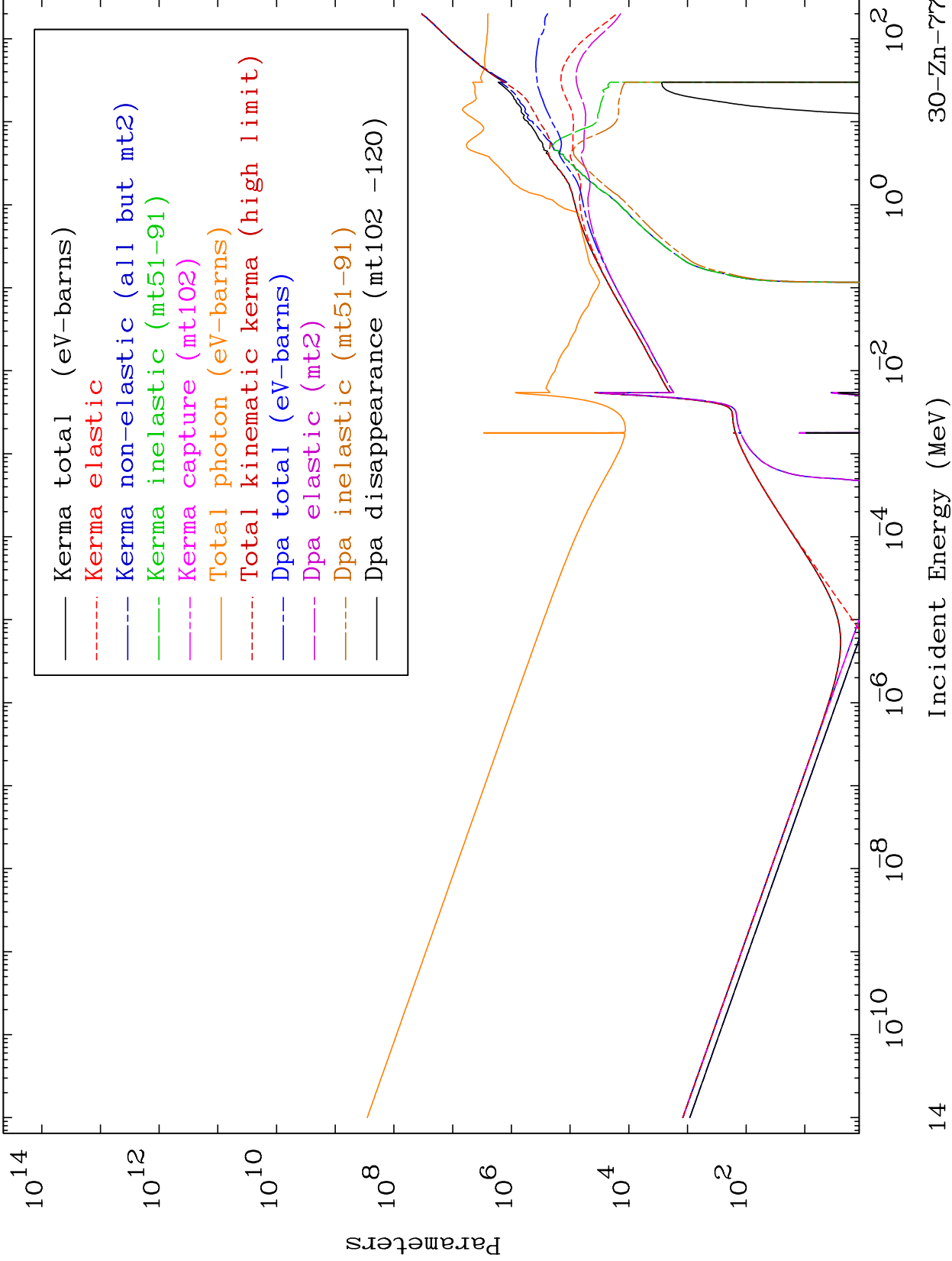
30-Zn-77



13

Incident Energy (MeV)

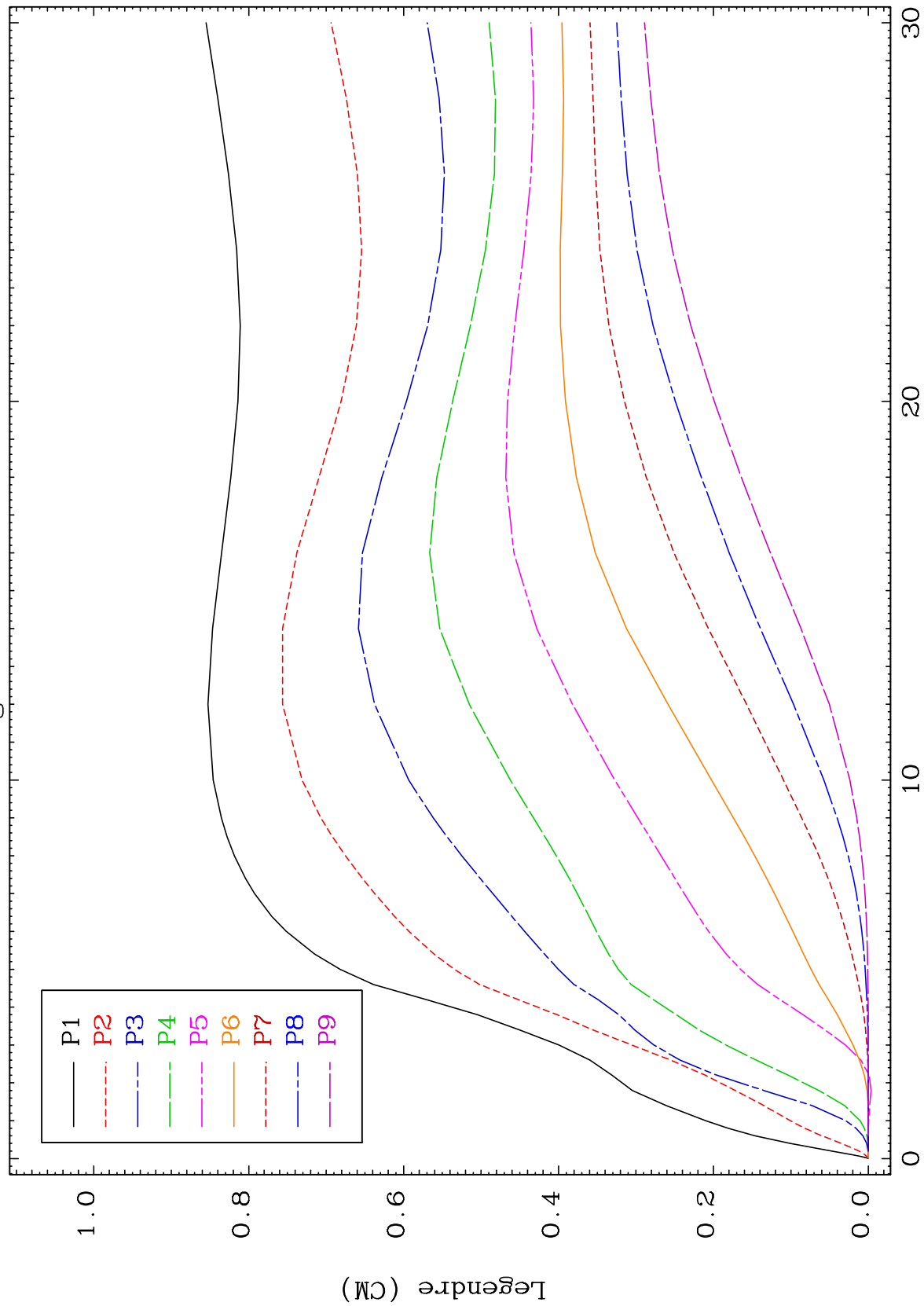
30-Zn-77



MAT 3064

Elastic Legendre Coefficients

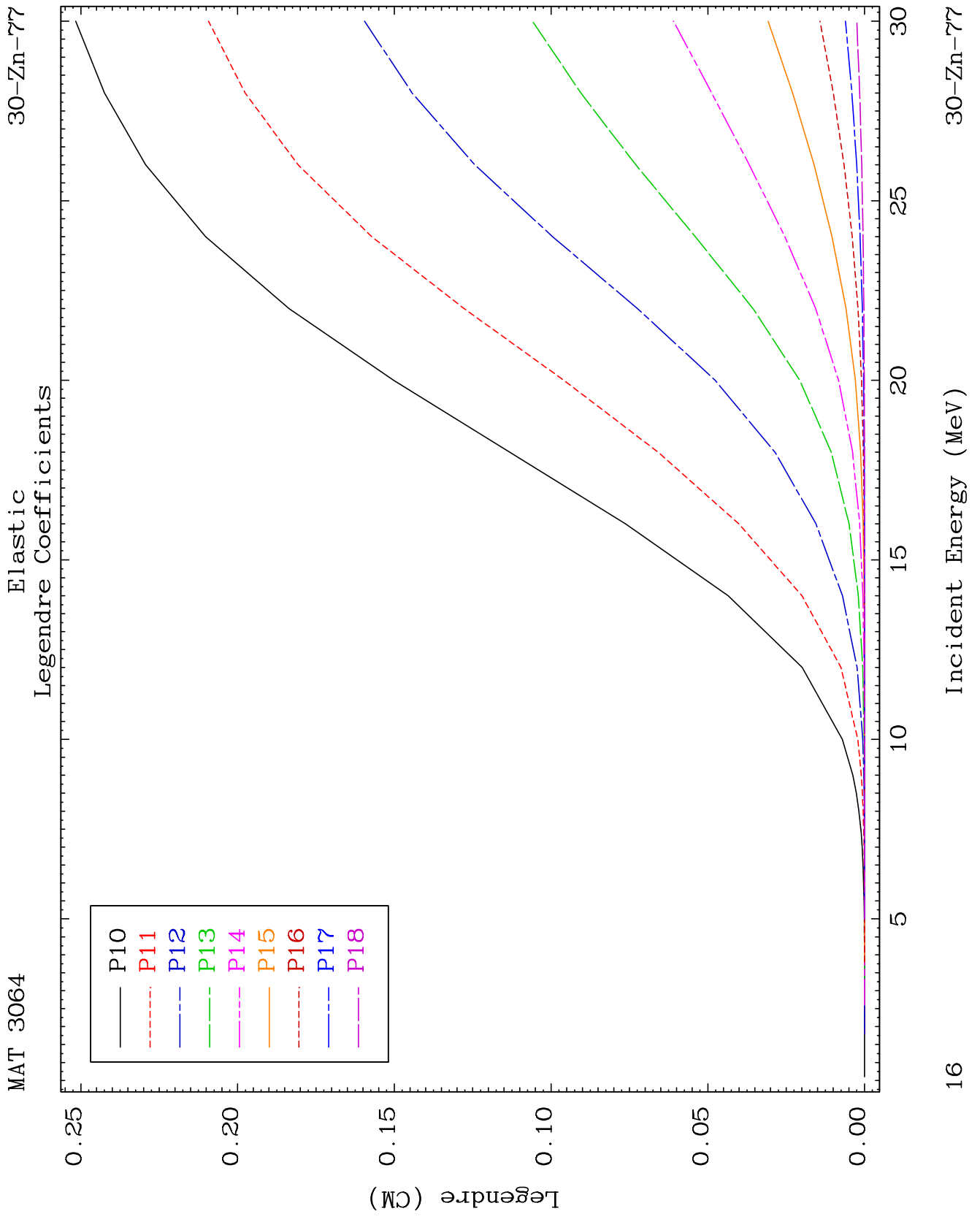
30-Zn-77



15

Incident Energy (MeV)

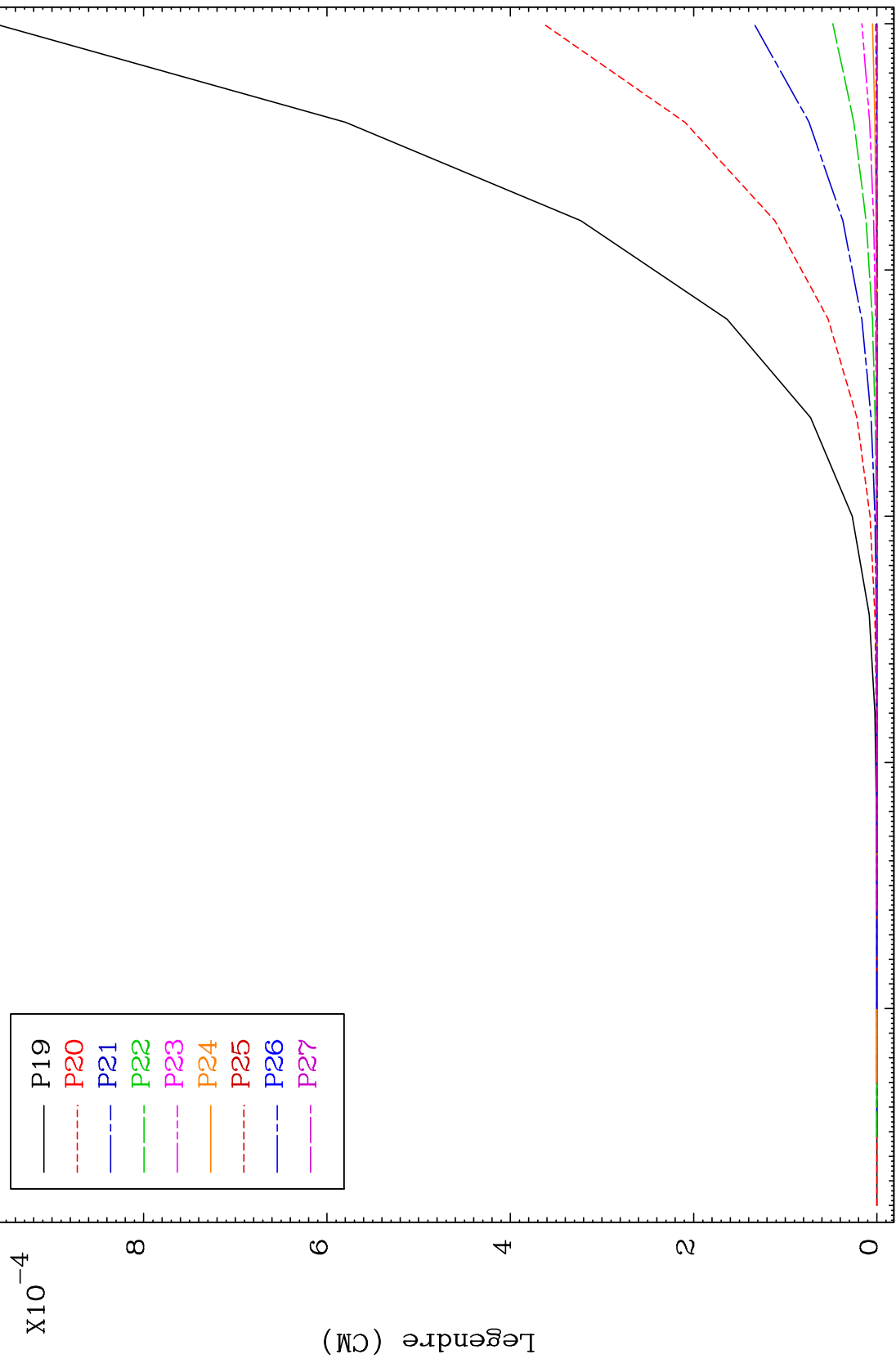
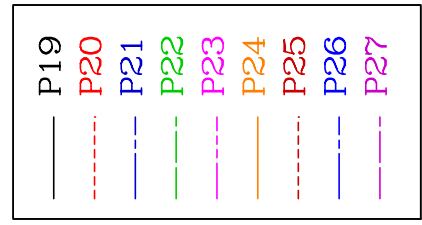
30-Zn-77



MAT 3064

Elastic Legendre Coefficients

30-Zn-77



17

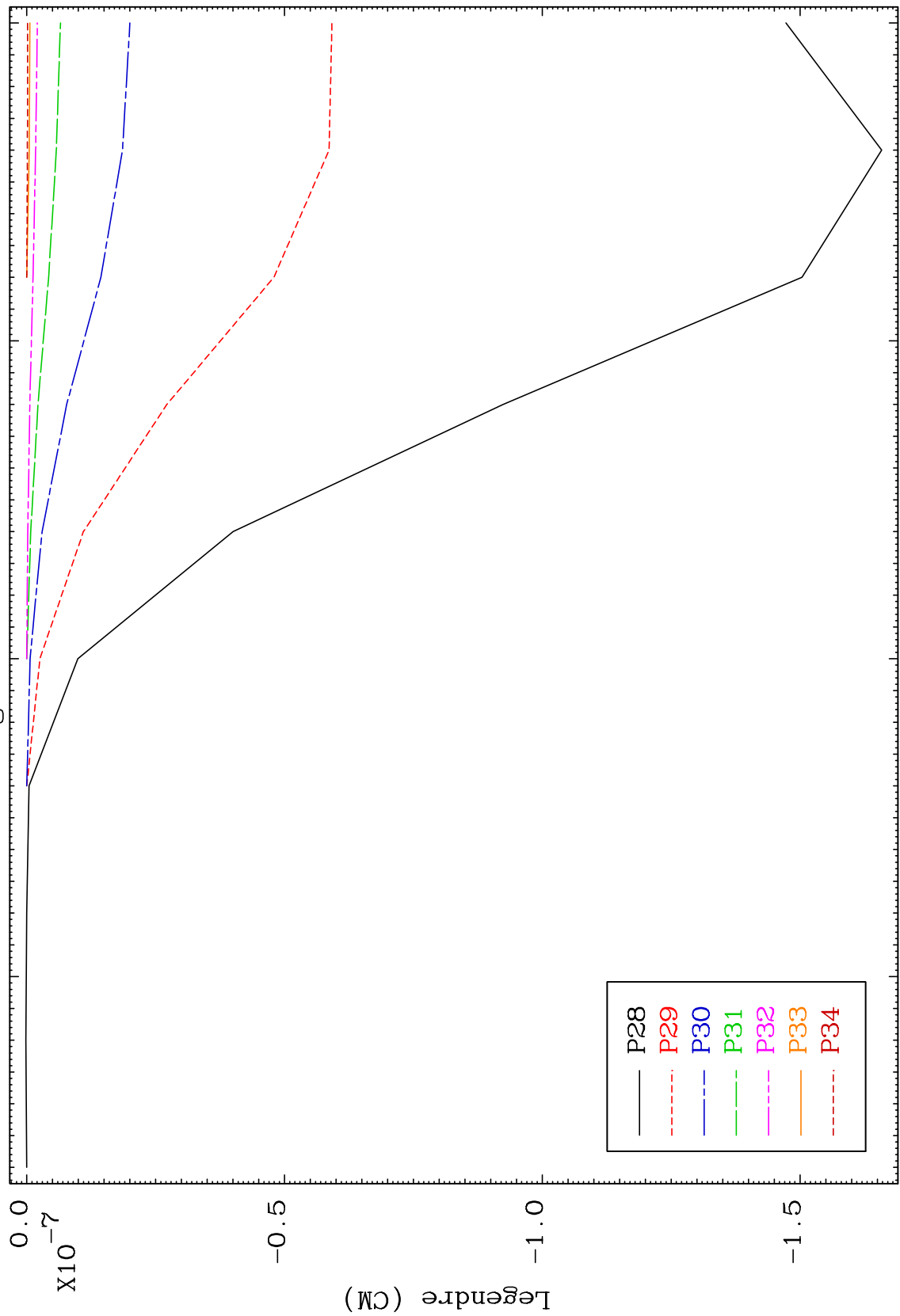
Incident Energy (MeV)

30-Zn-77

MAT 3064

30-Zn-77

Elastic Legendre Coefficients



Legendre (CM)
X 10⁻⁷

30

25

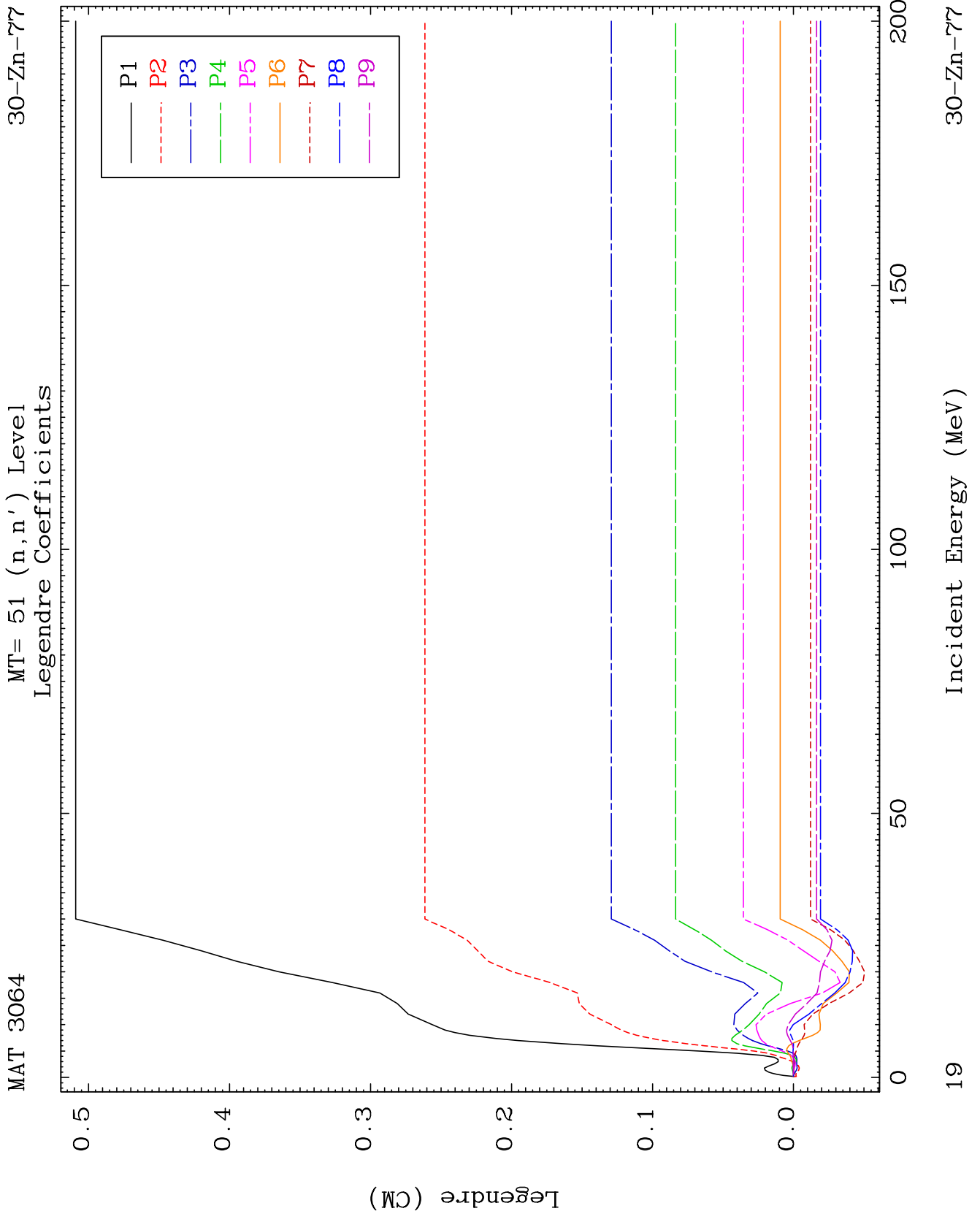
20

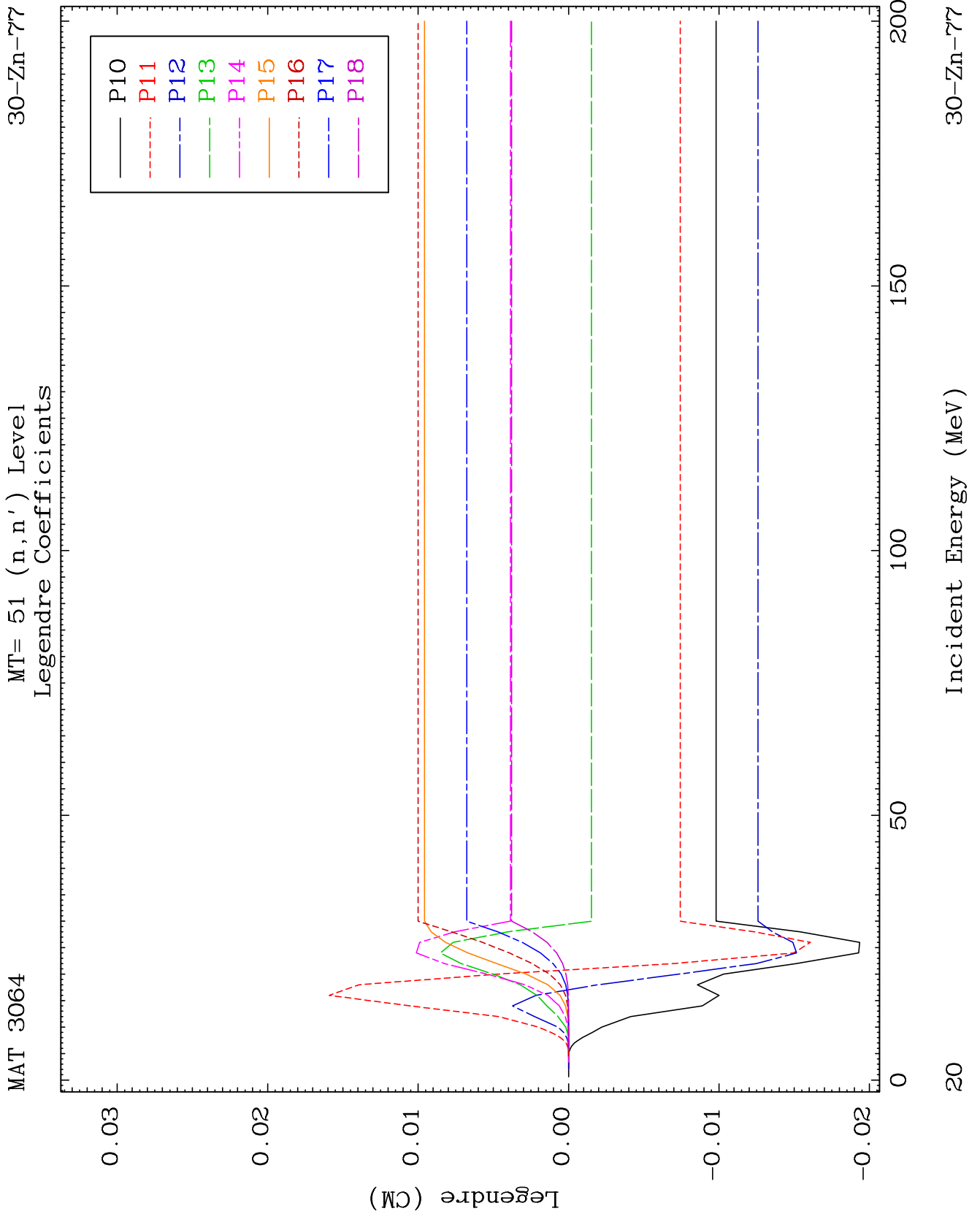
15

Incident Energy (MeV)

30-Zn-77

18

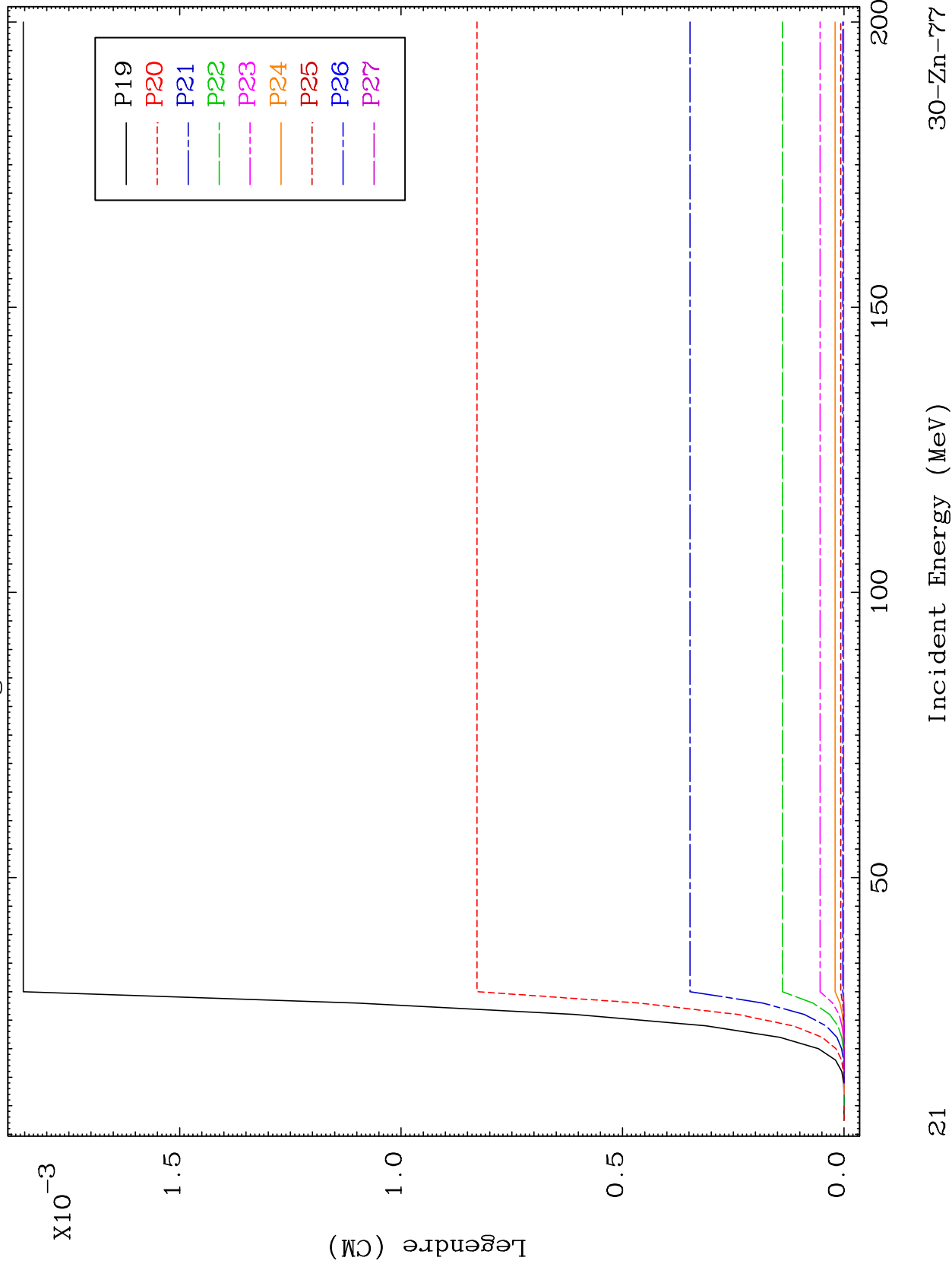




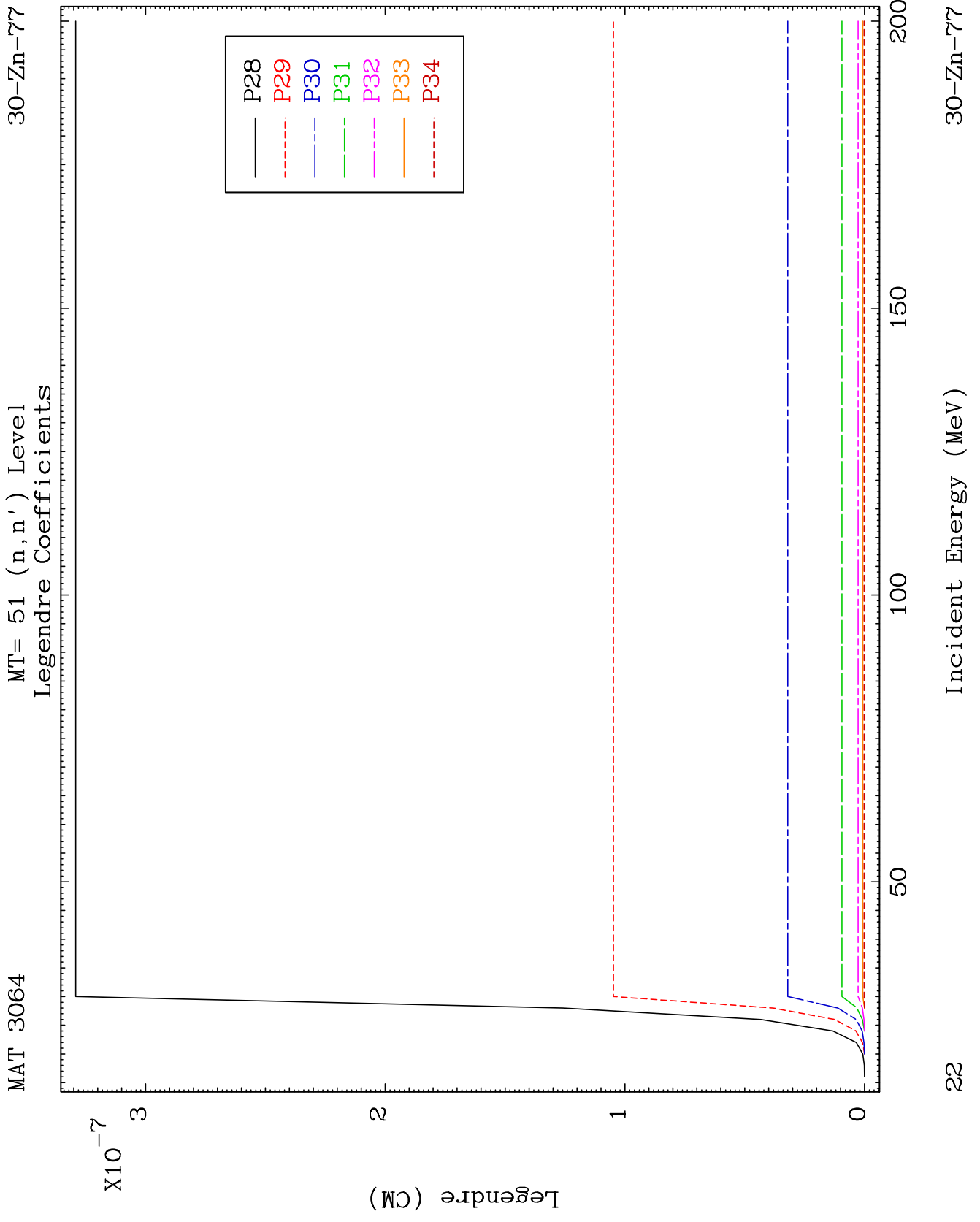
MAT 3064

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

30-Zn-77



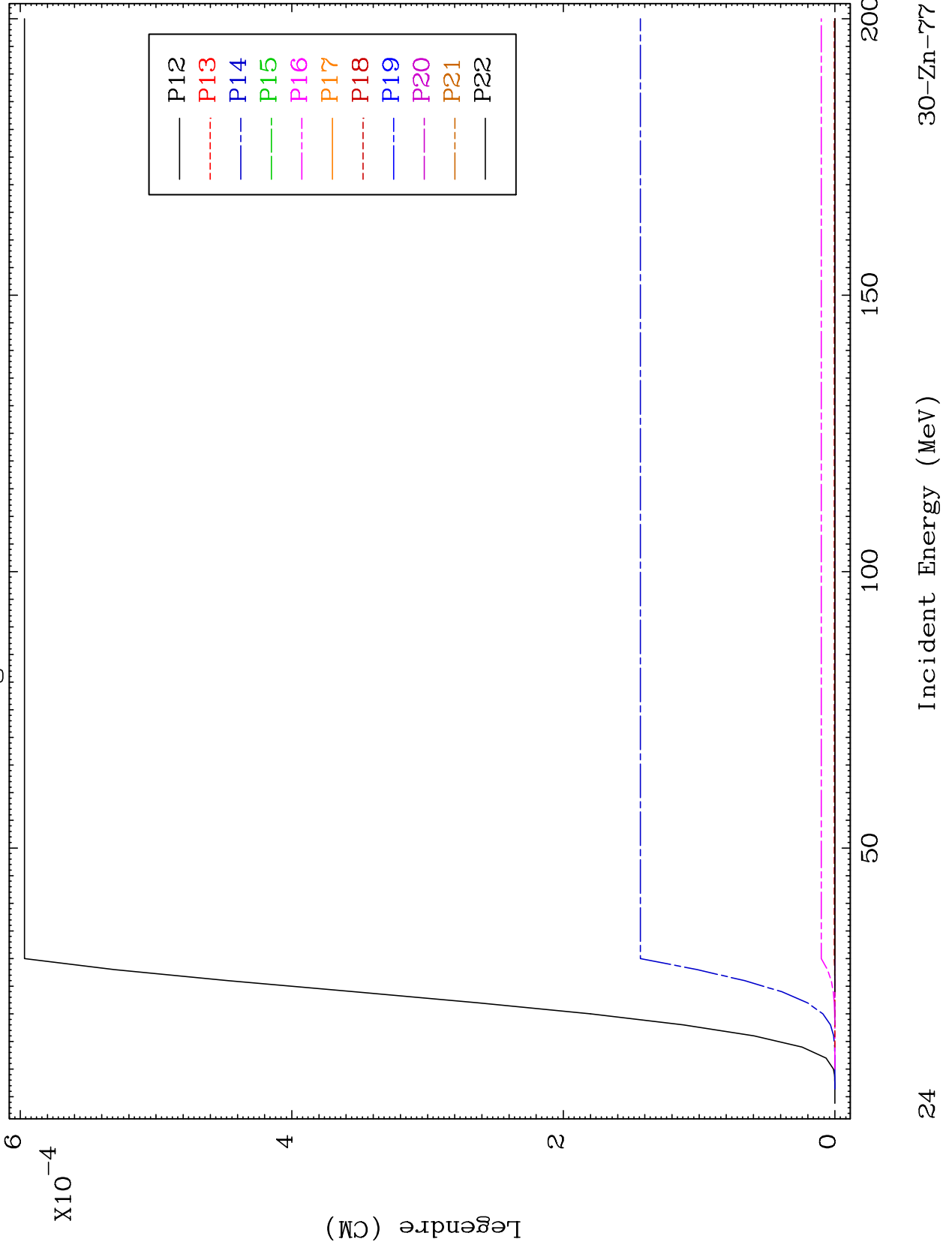
21



MAT 3064

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

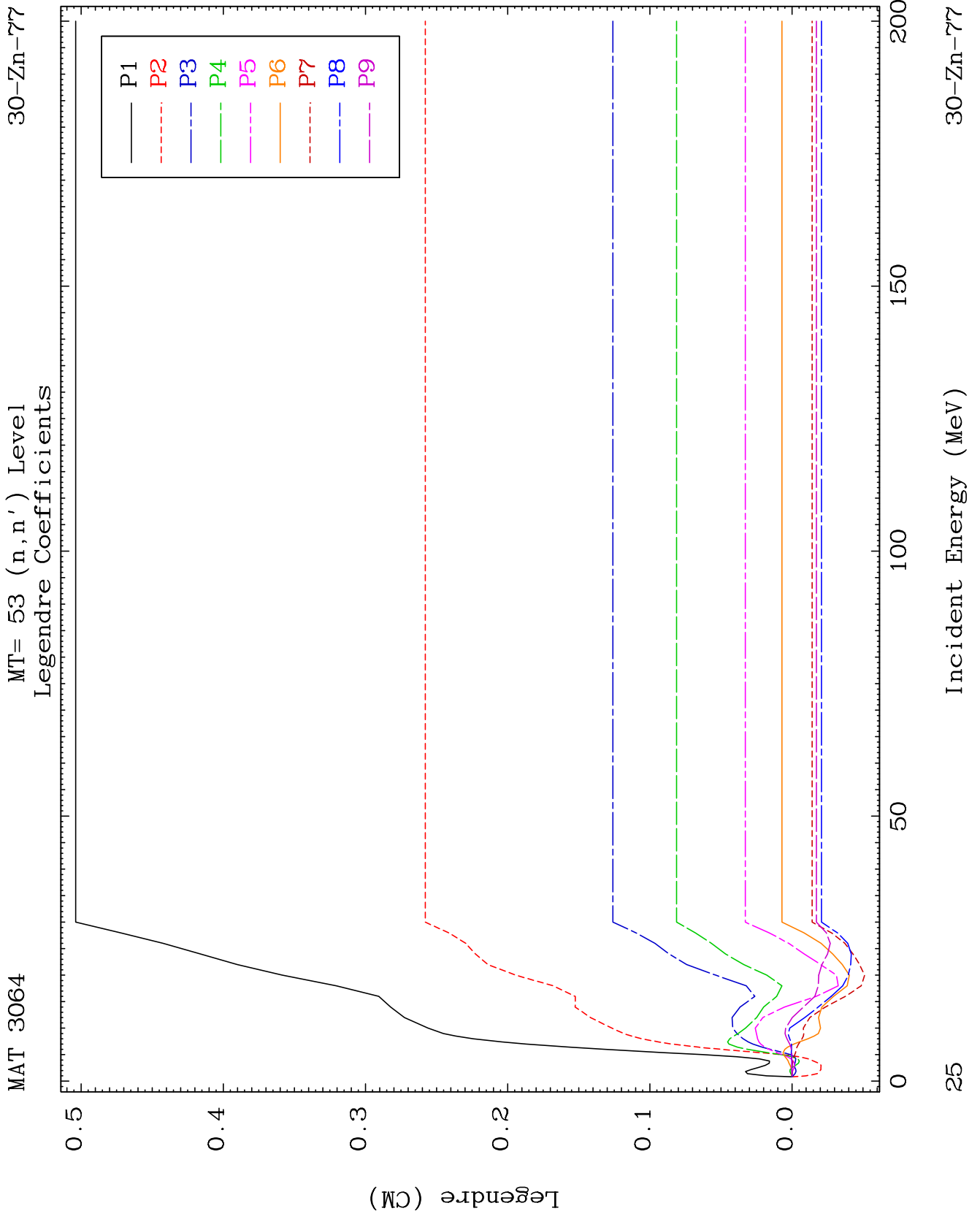
30-Zn-77

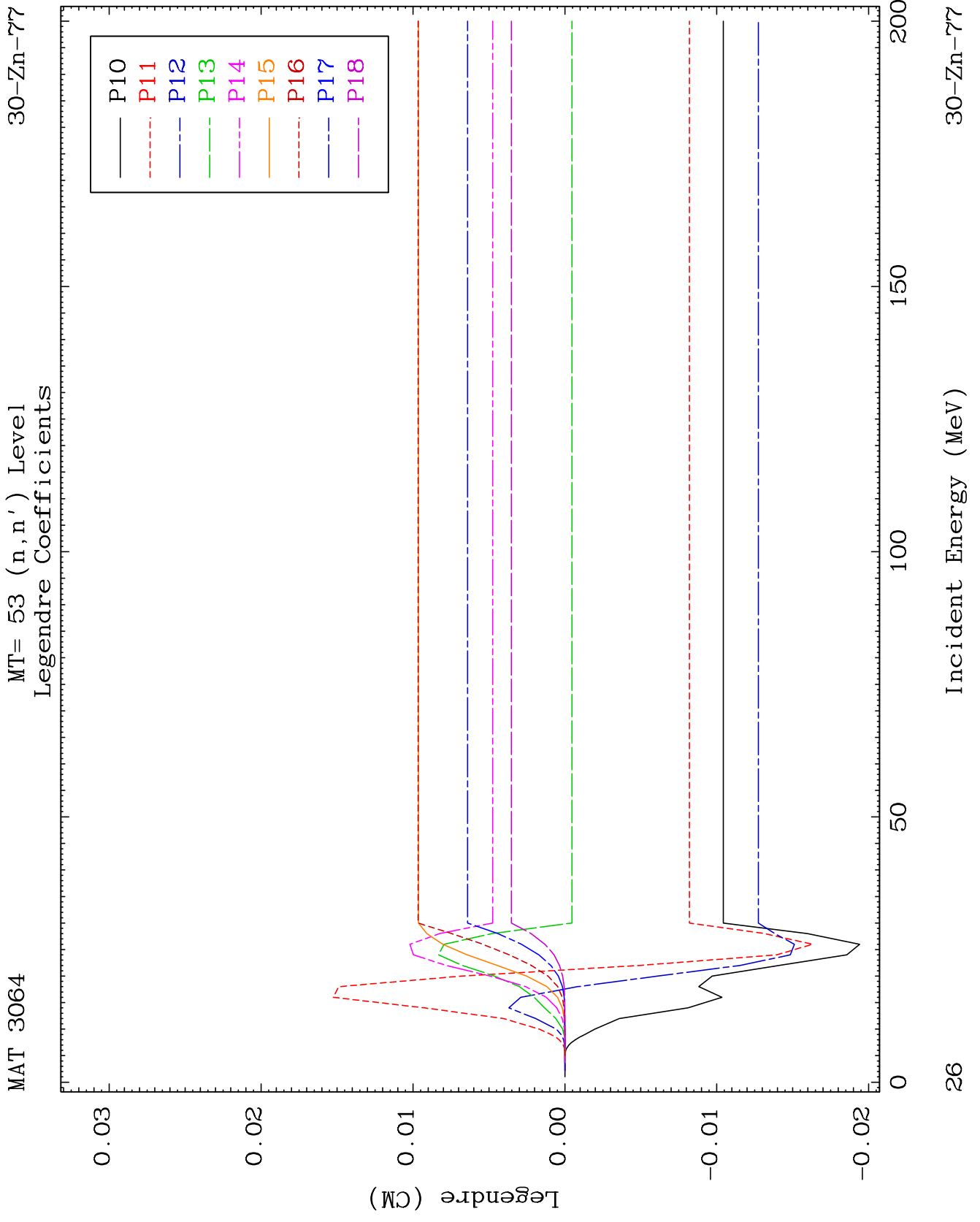


24

Incident Energy (MeV)

30-Zn-77

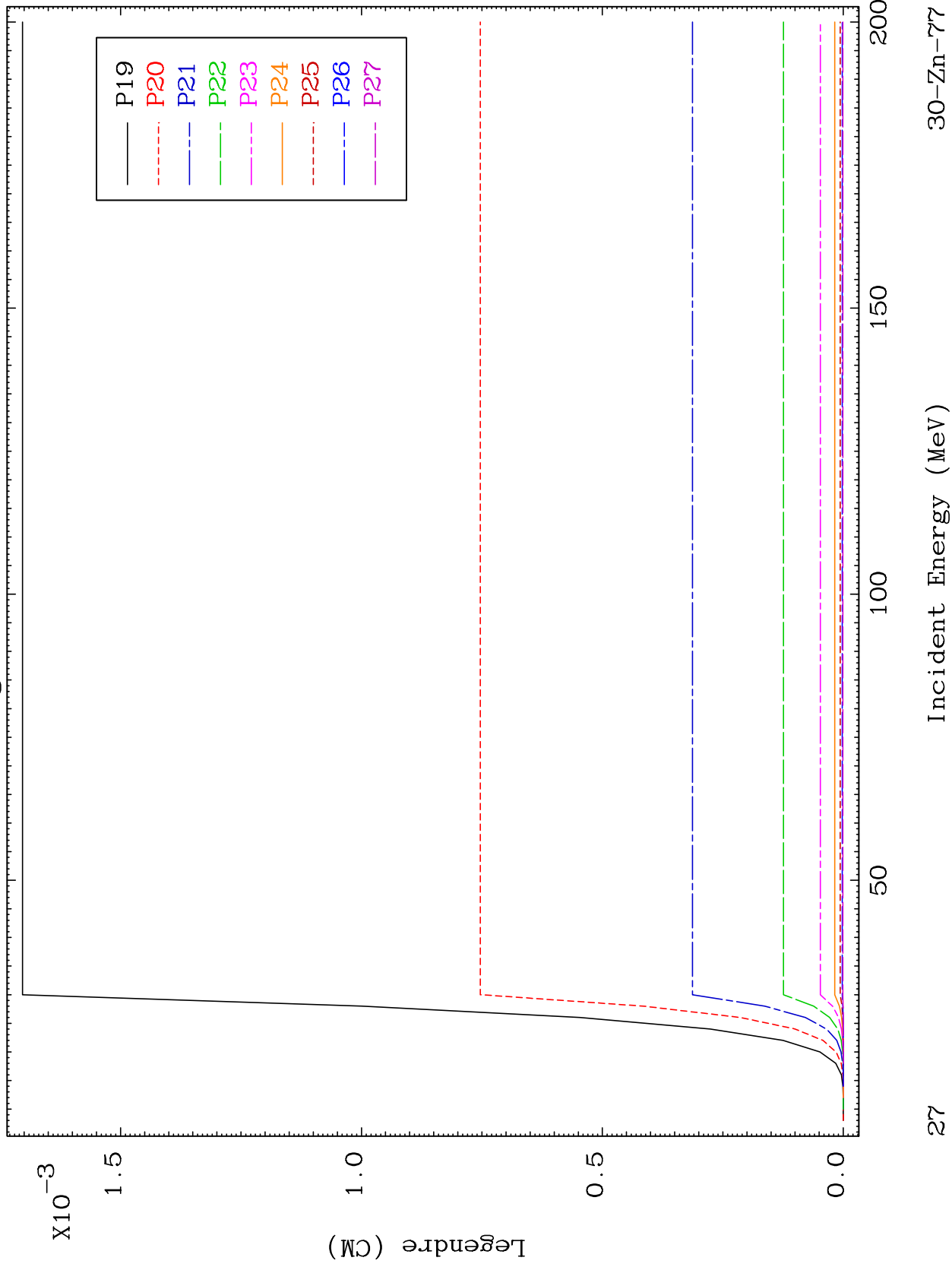




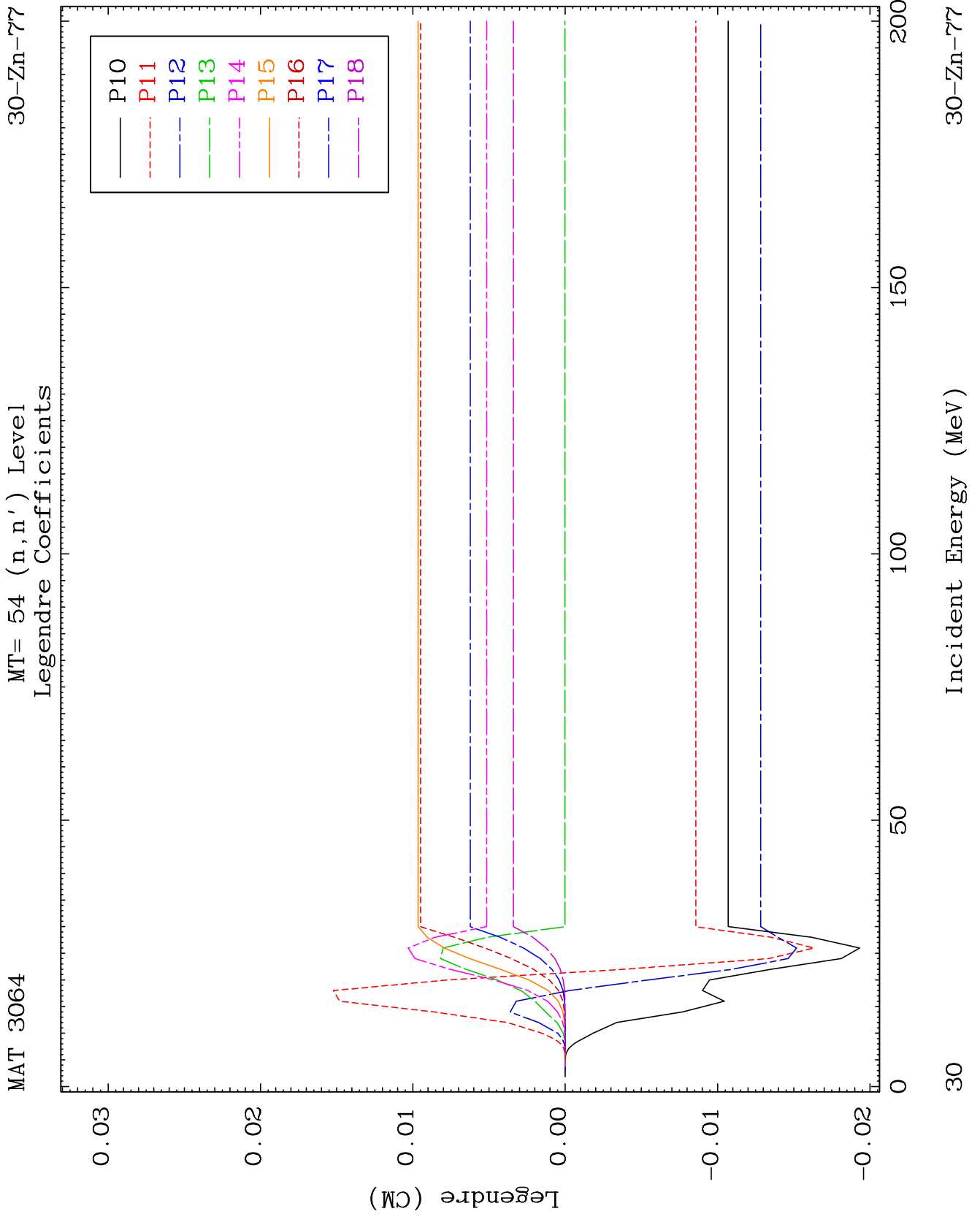
MAT 3064

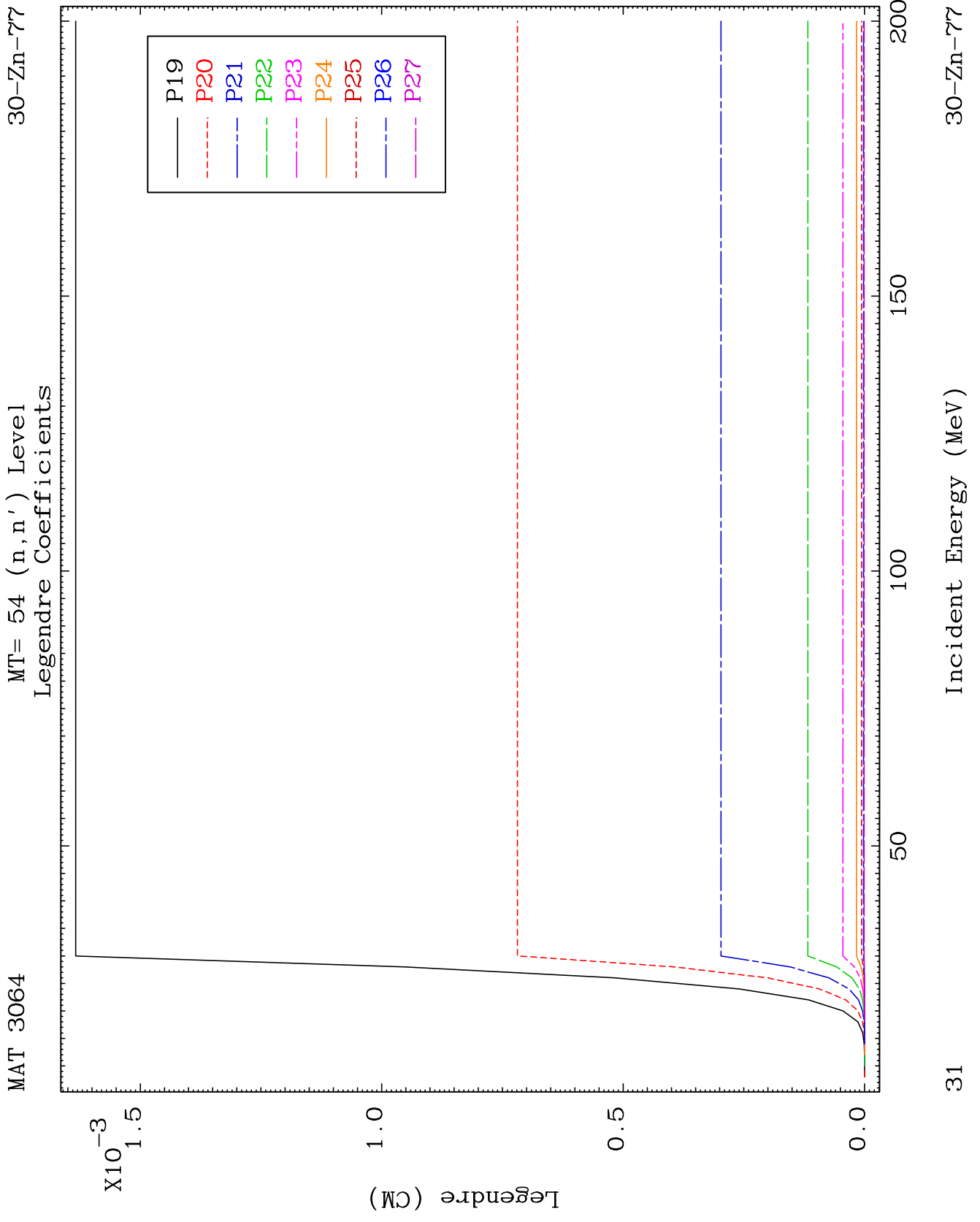
MT= 53 (n,n') Level
Legendre Coefficients

30-Zn-77



27

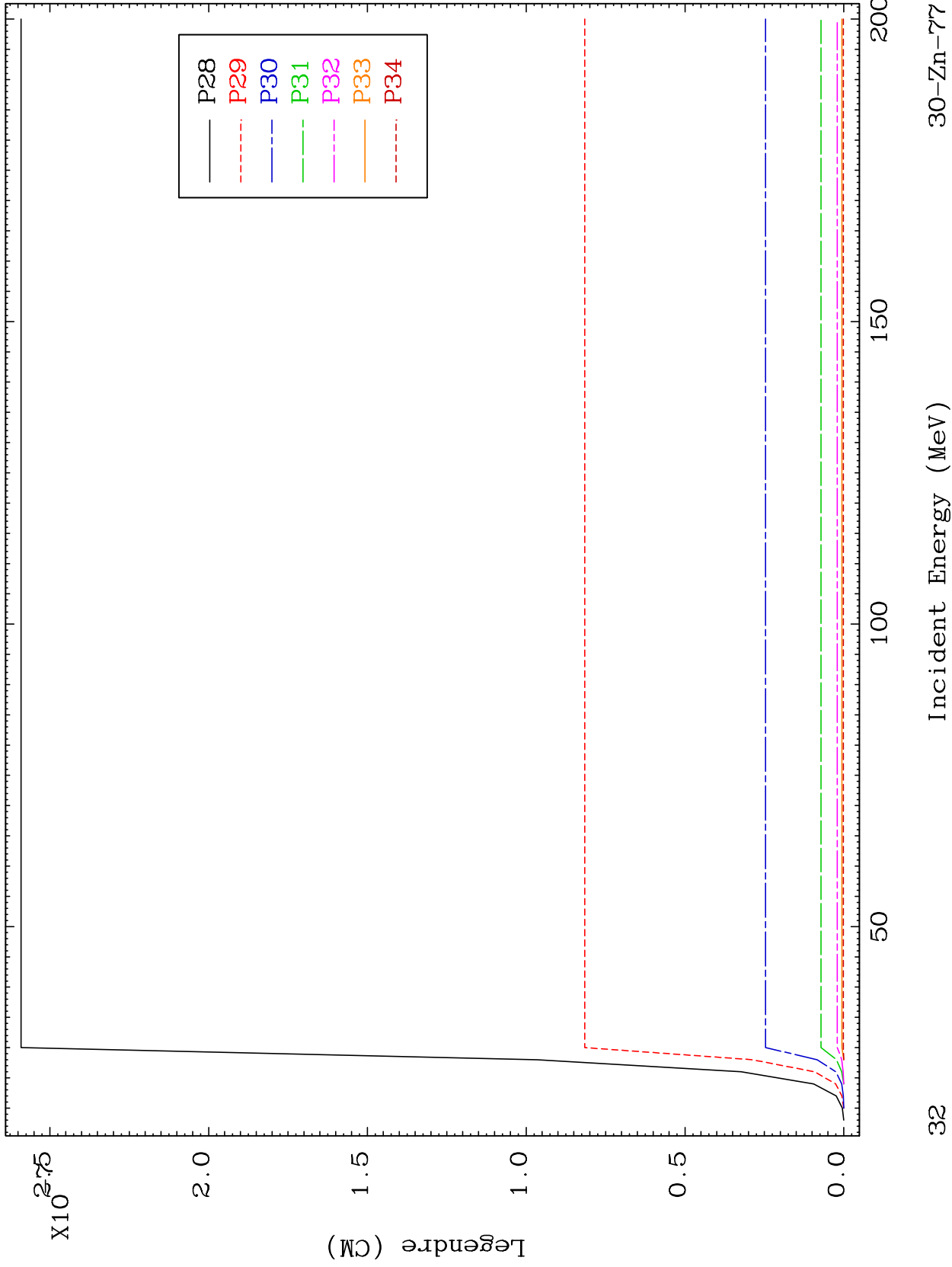




MAT 3064

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

30-Zn-77



32

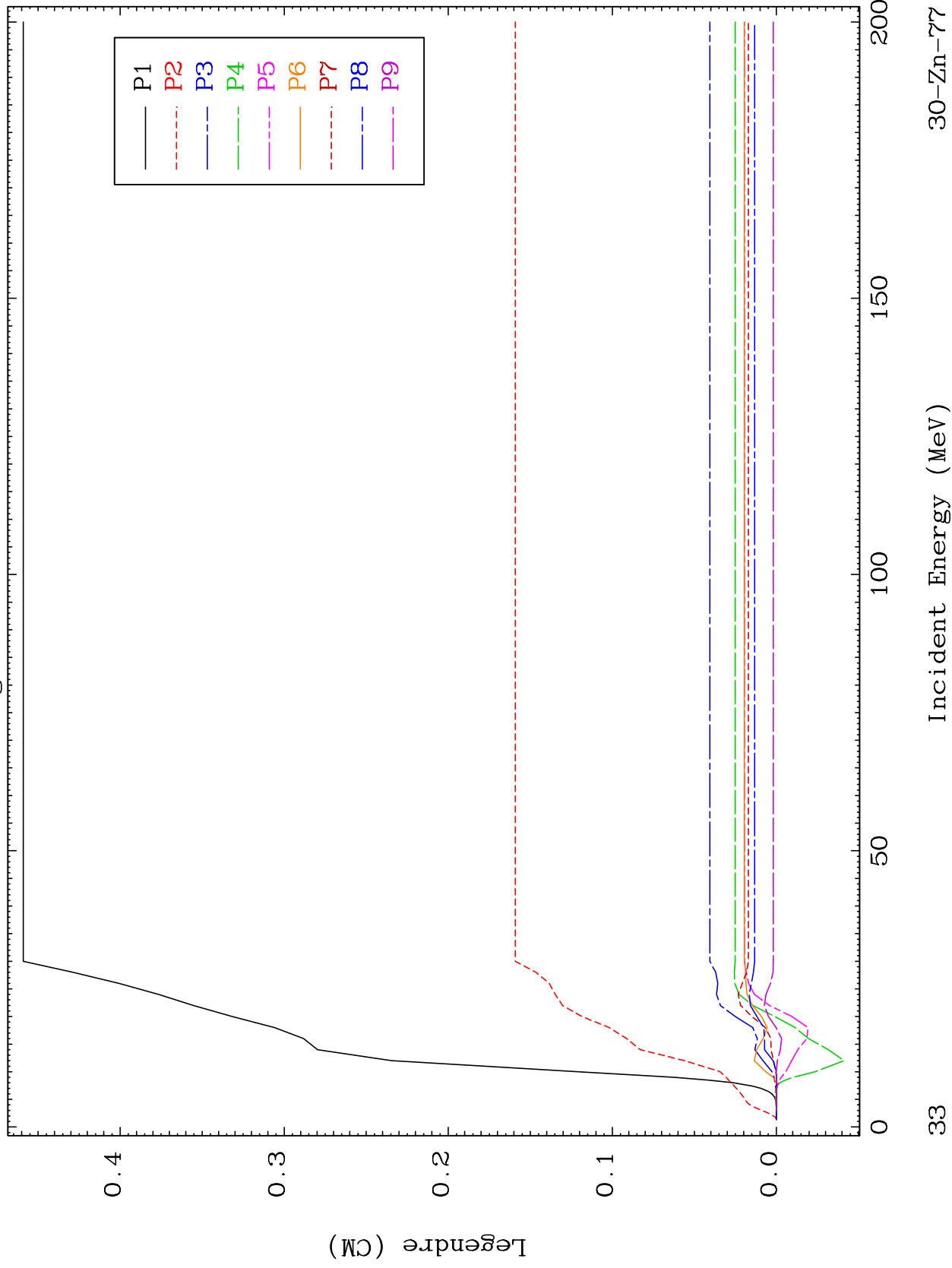
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



30-Zn-77

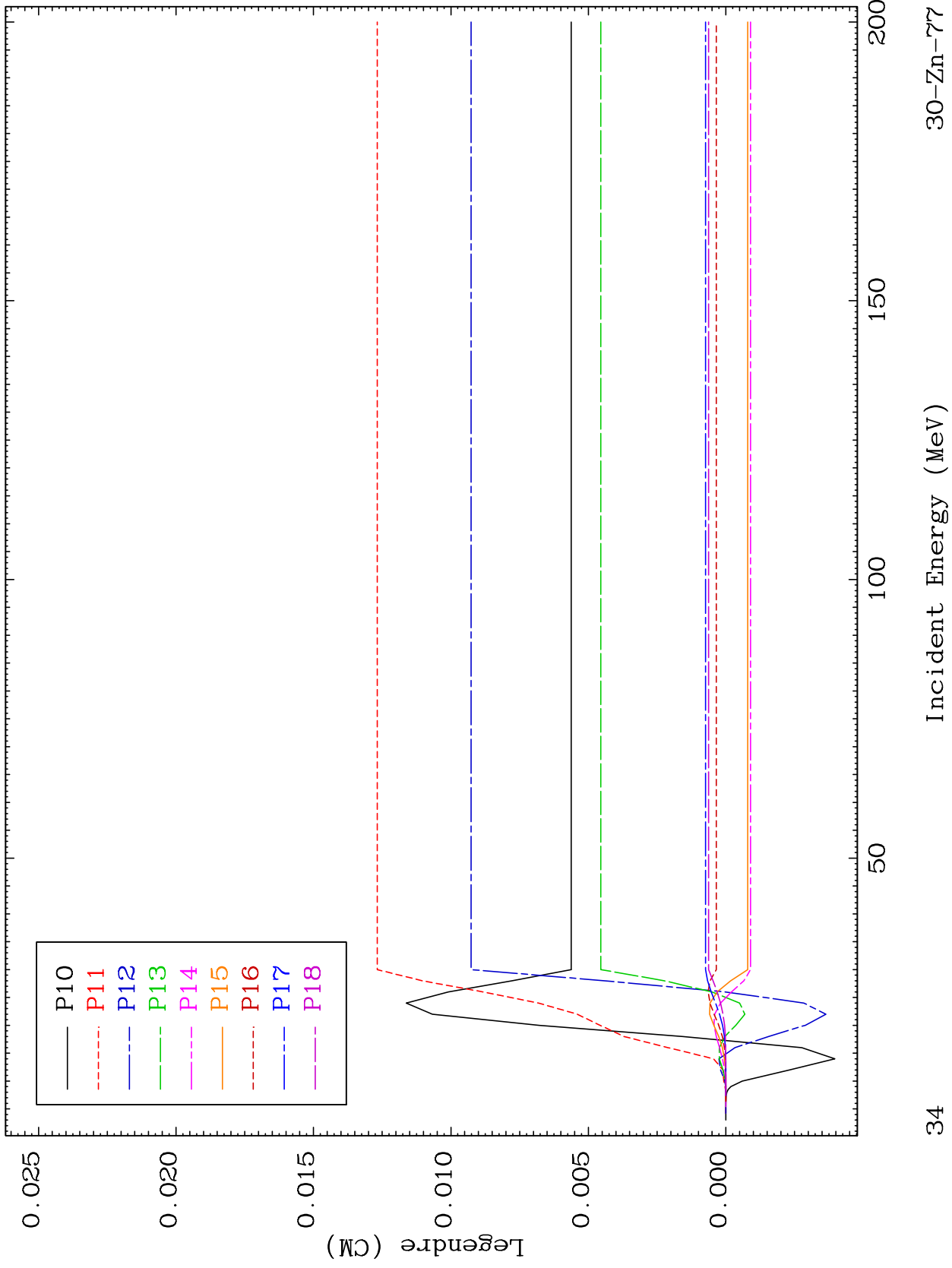
Incident Energy (MeV)

33

MAT 3064

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

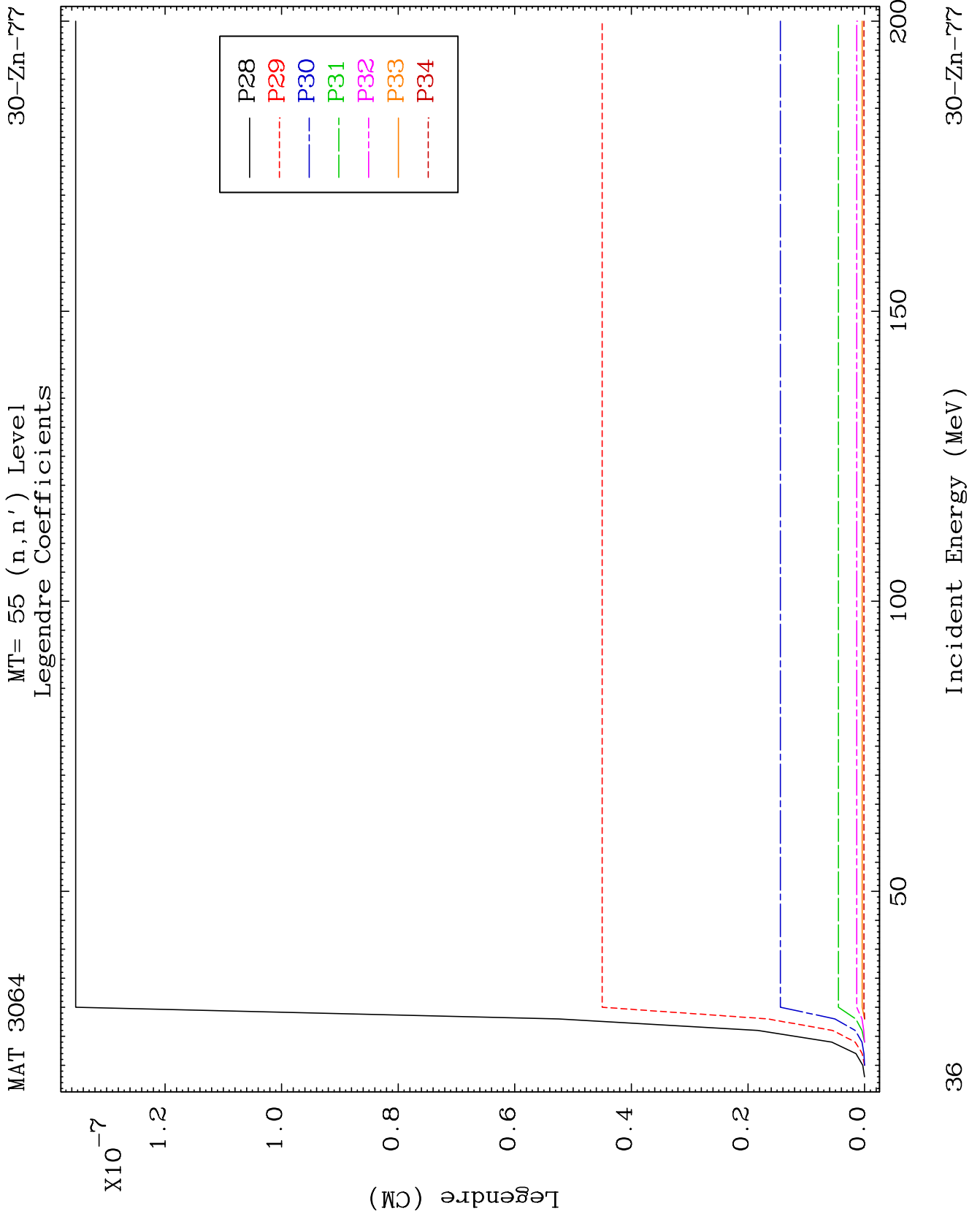
30-Zn-77

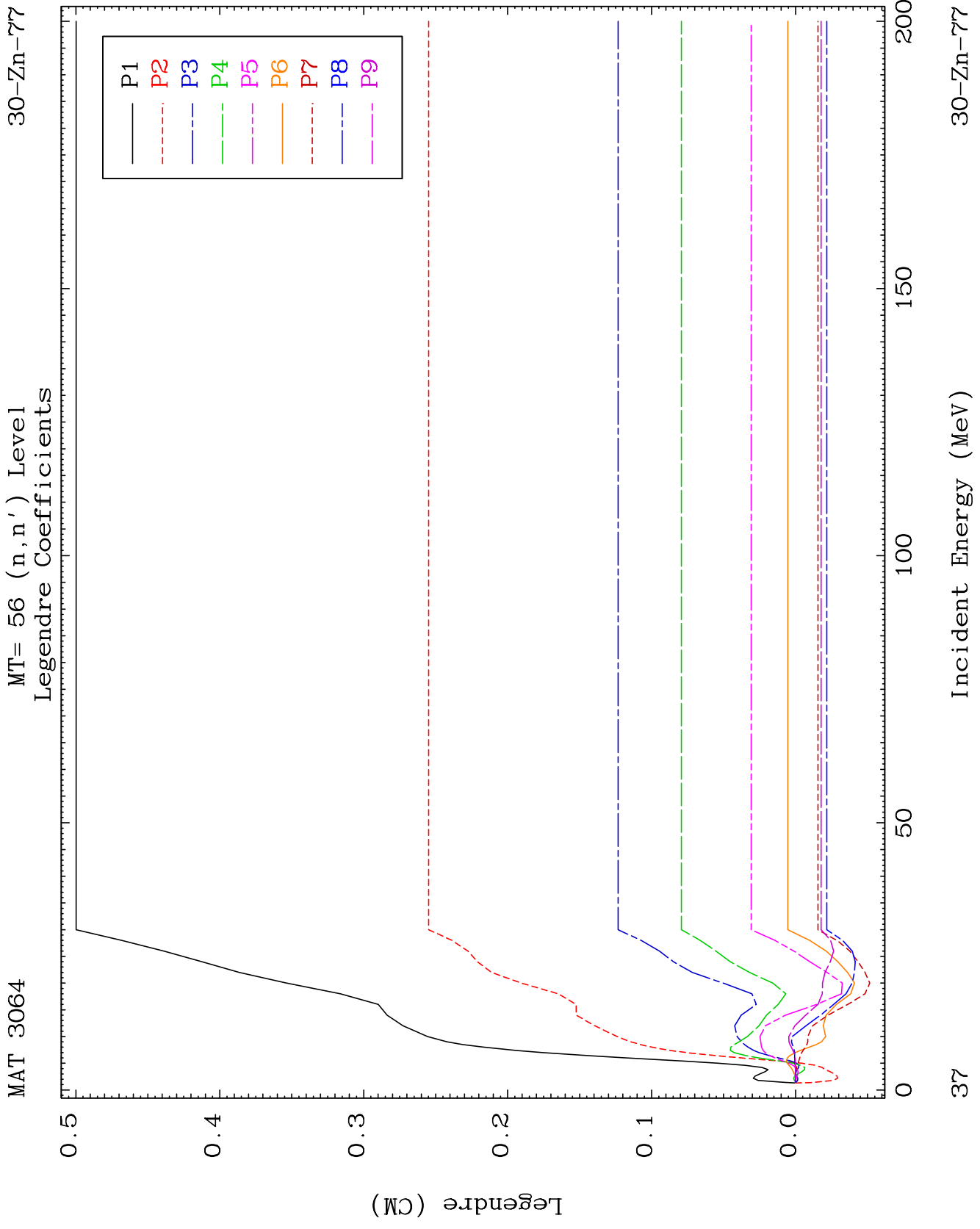


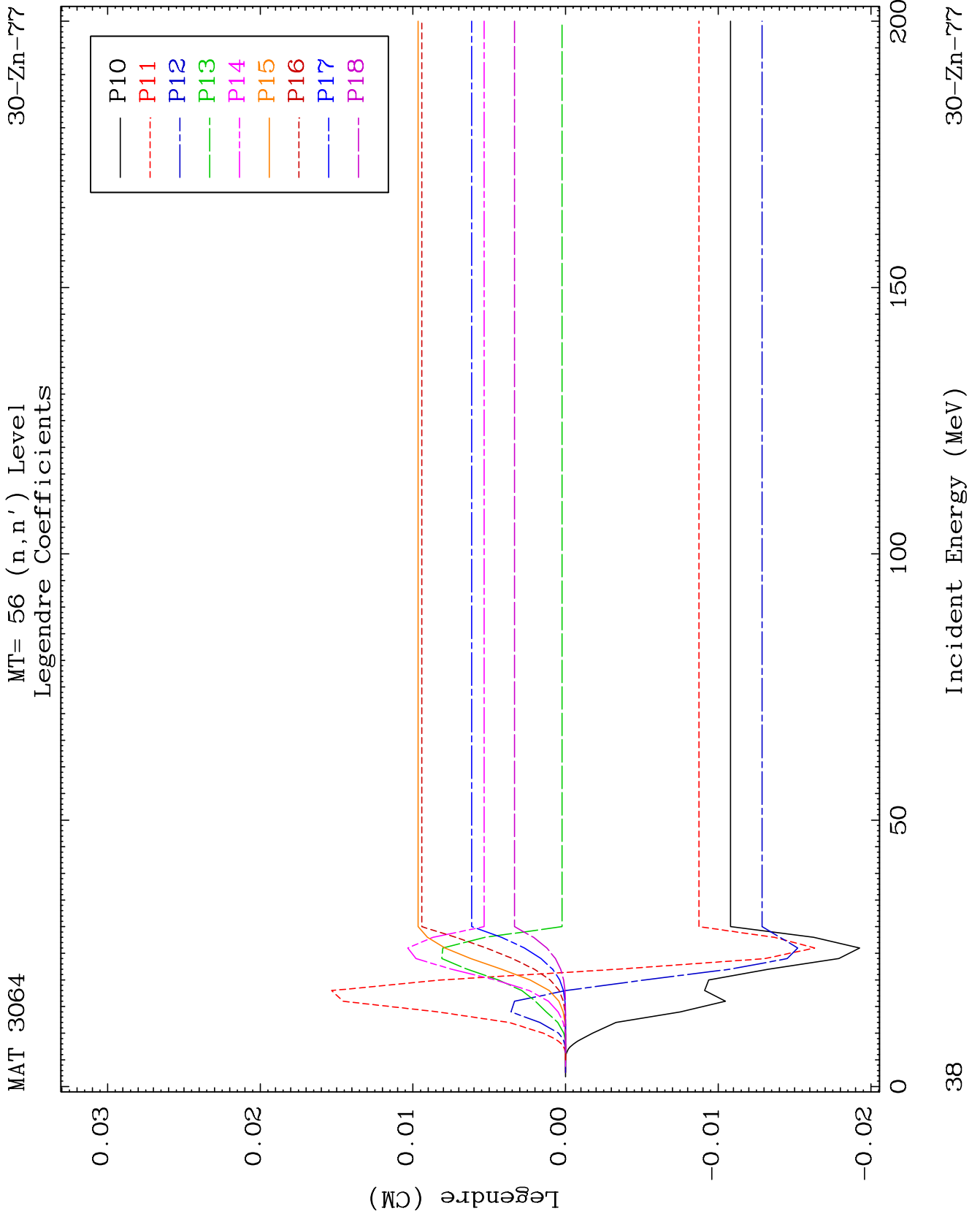
34

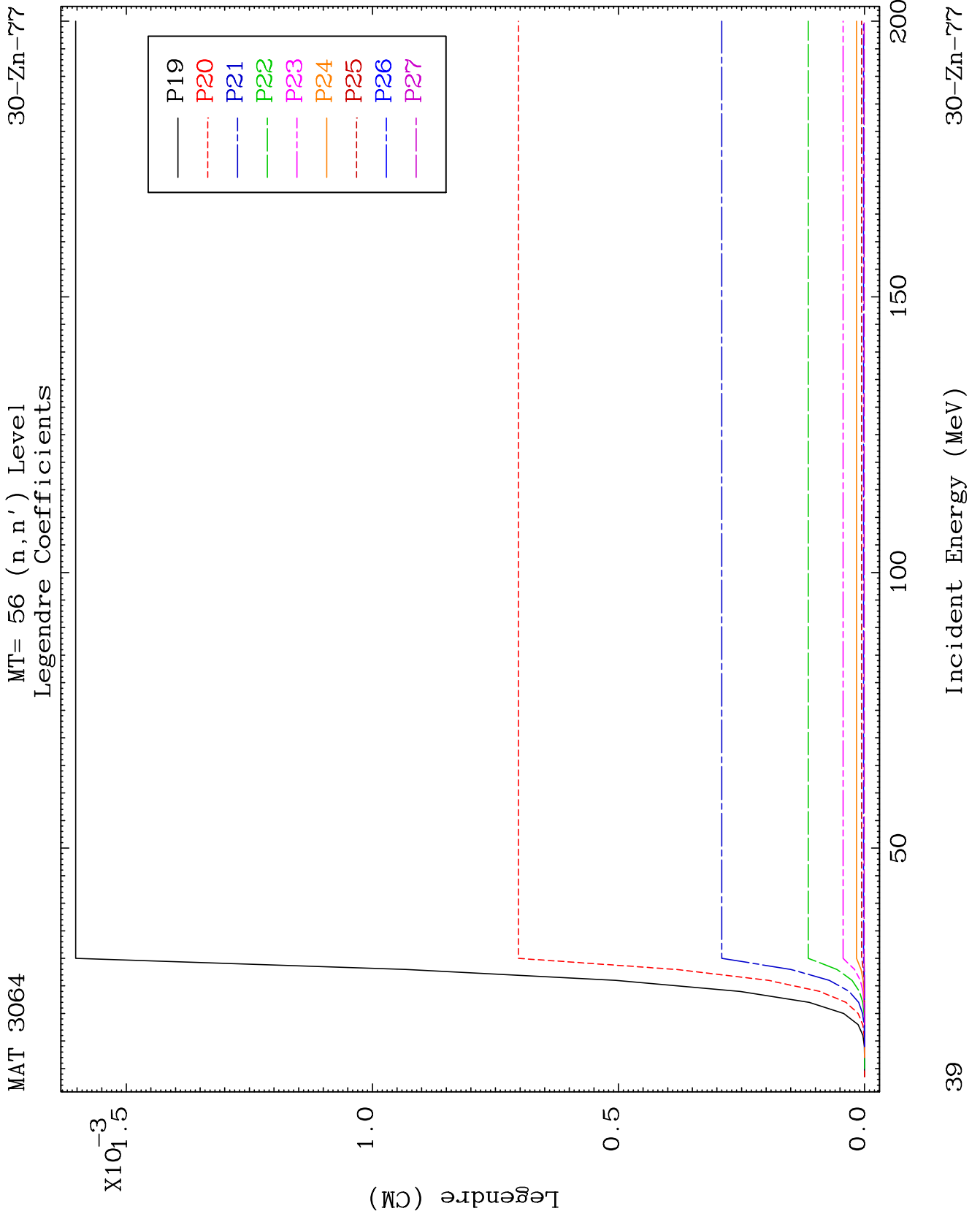
Incident Energy (MeV)

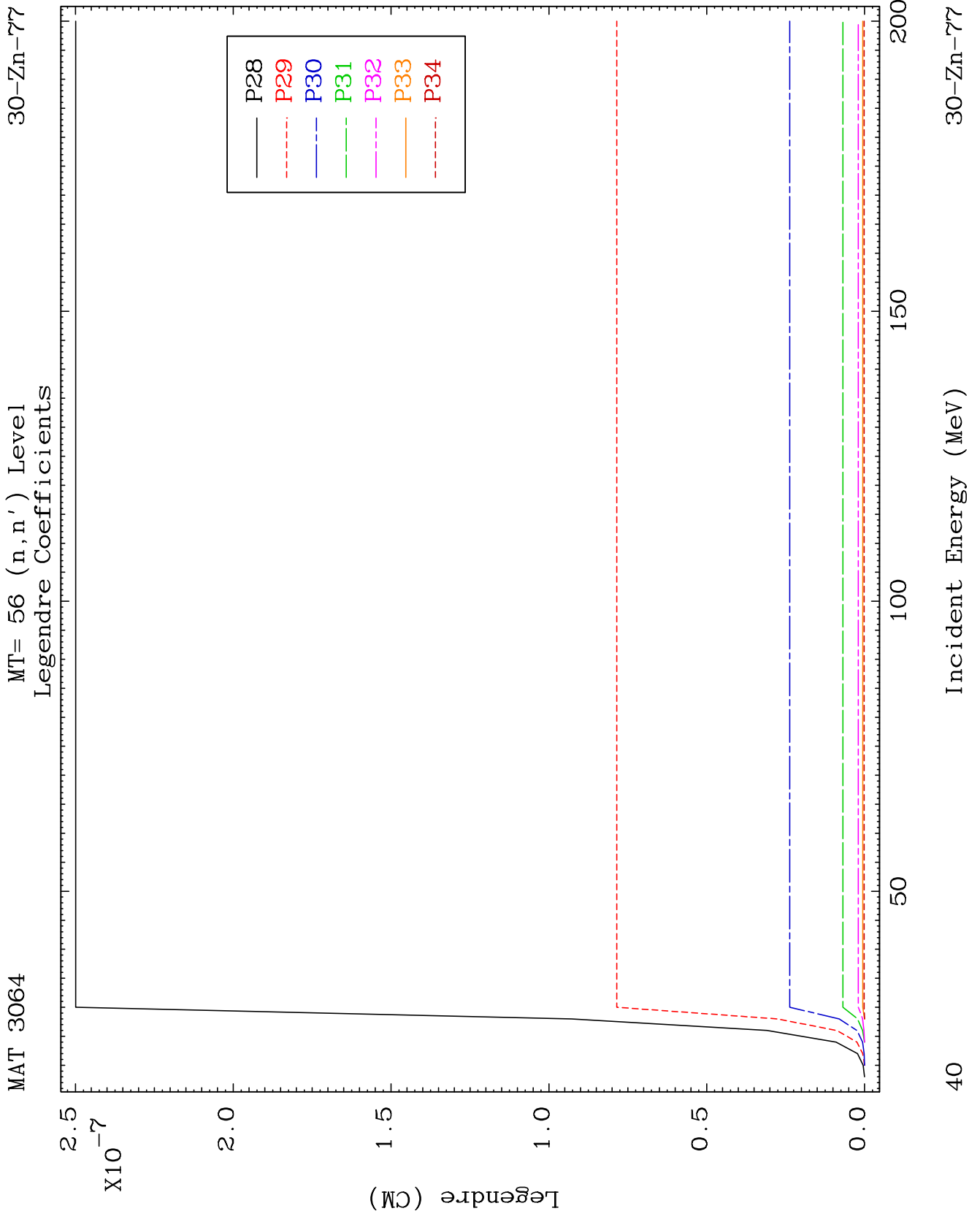
30-Zn-77







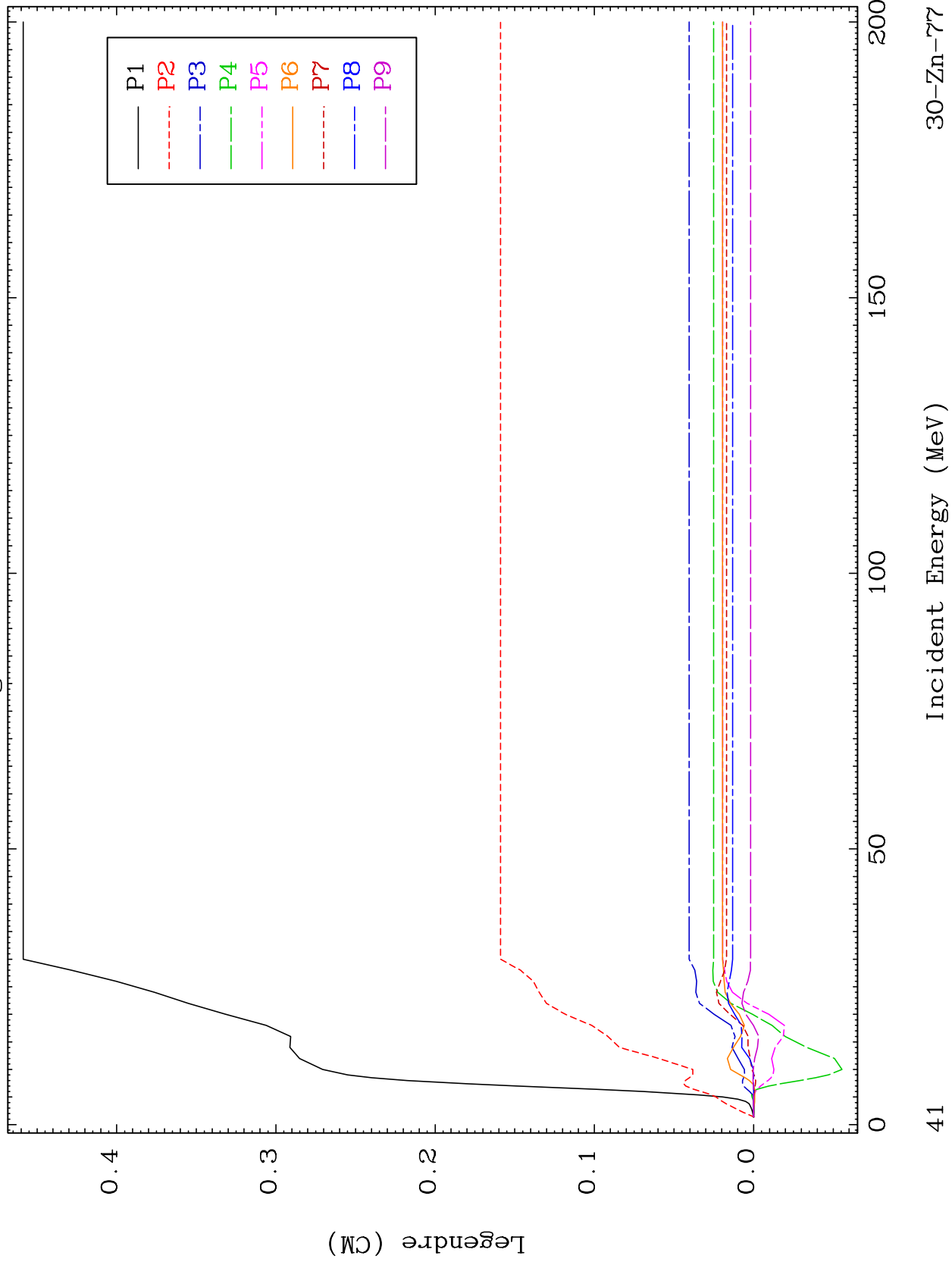




MAT 3064

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

30-Zn-77



41

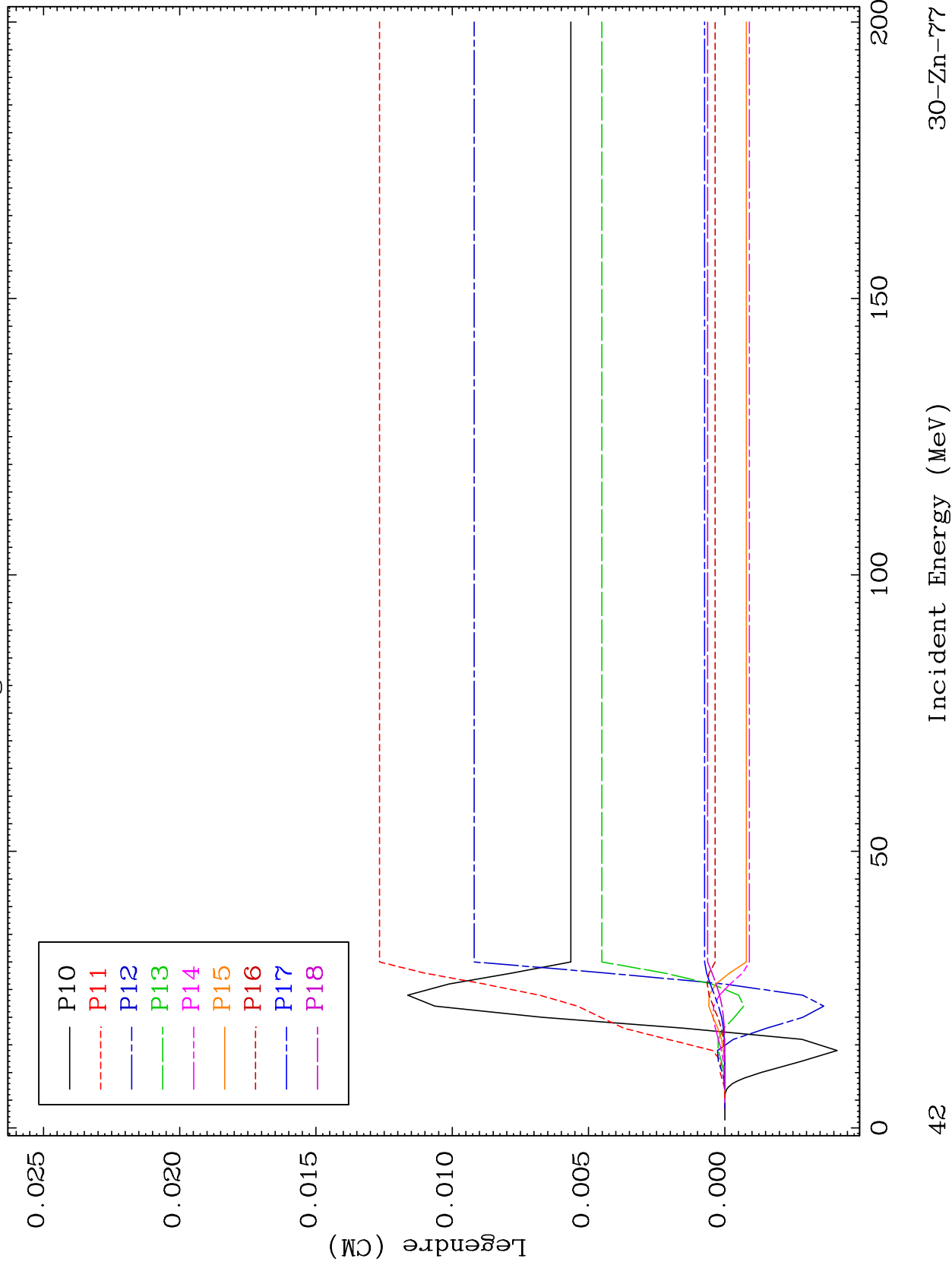
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

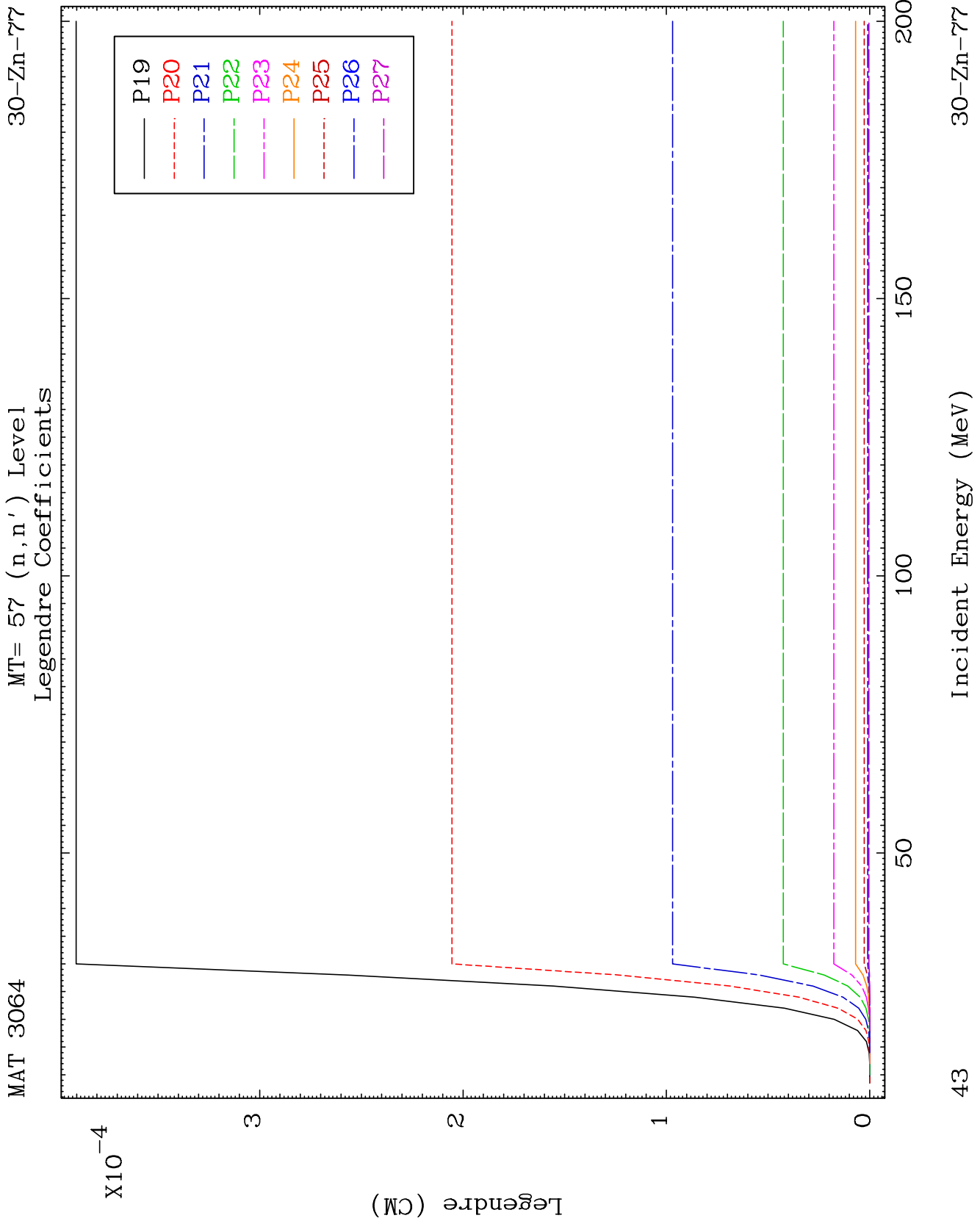
30-Zn-77

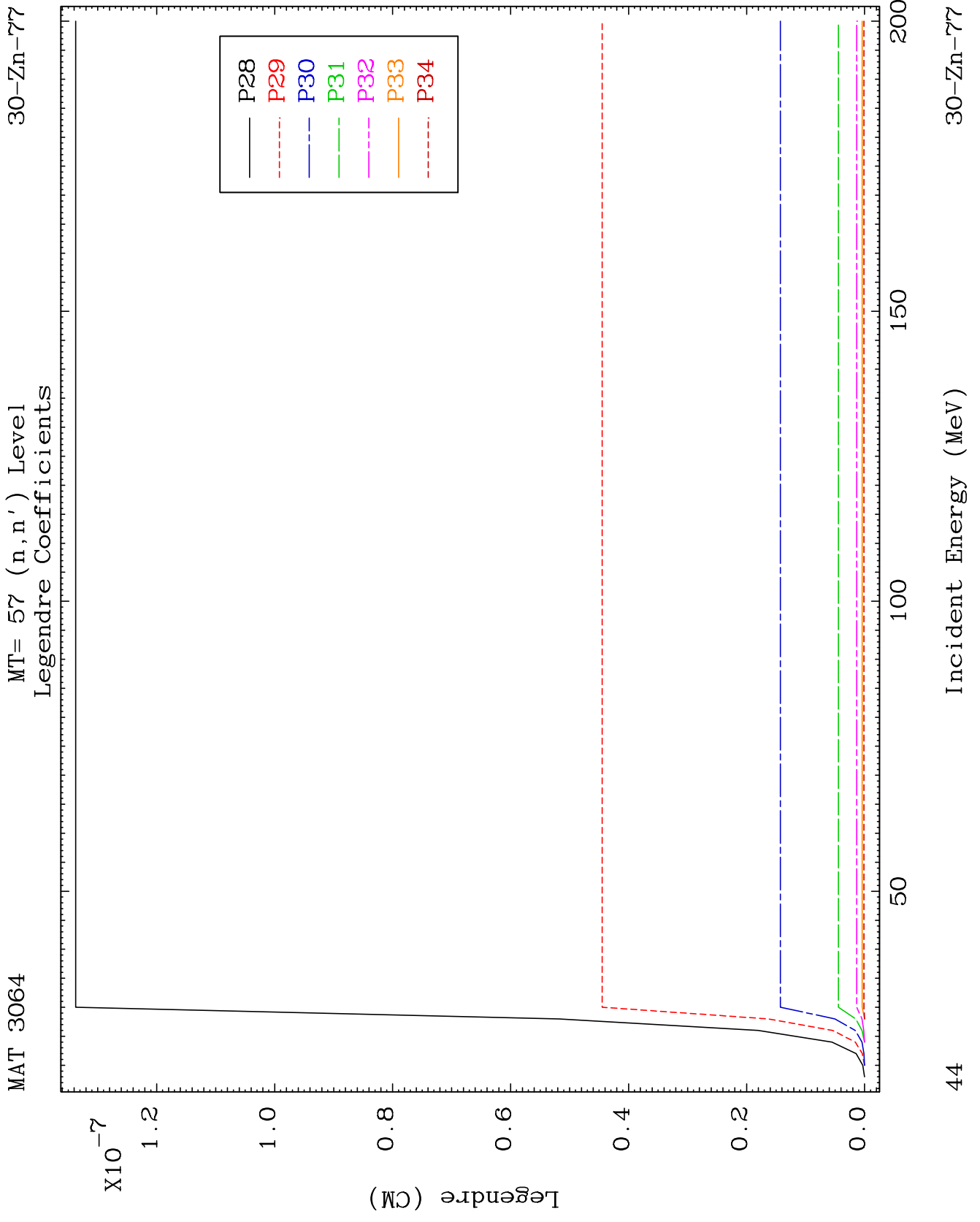


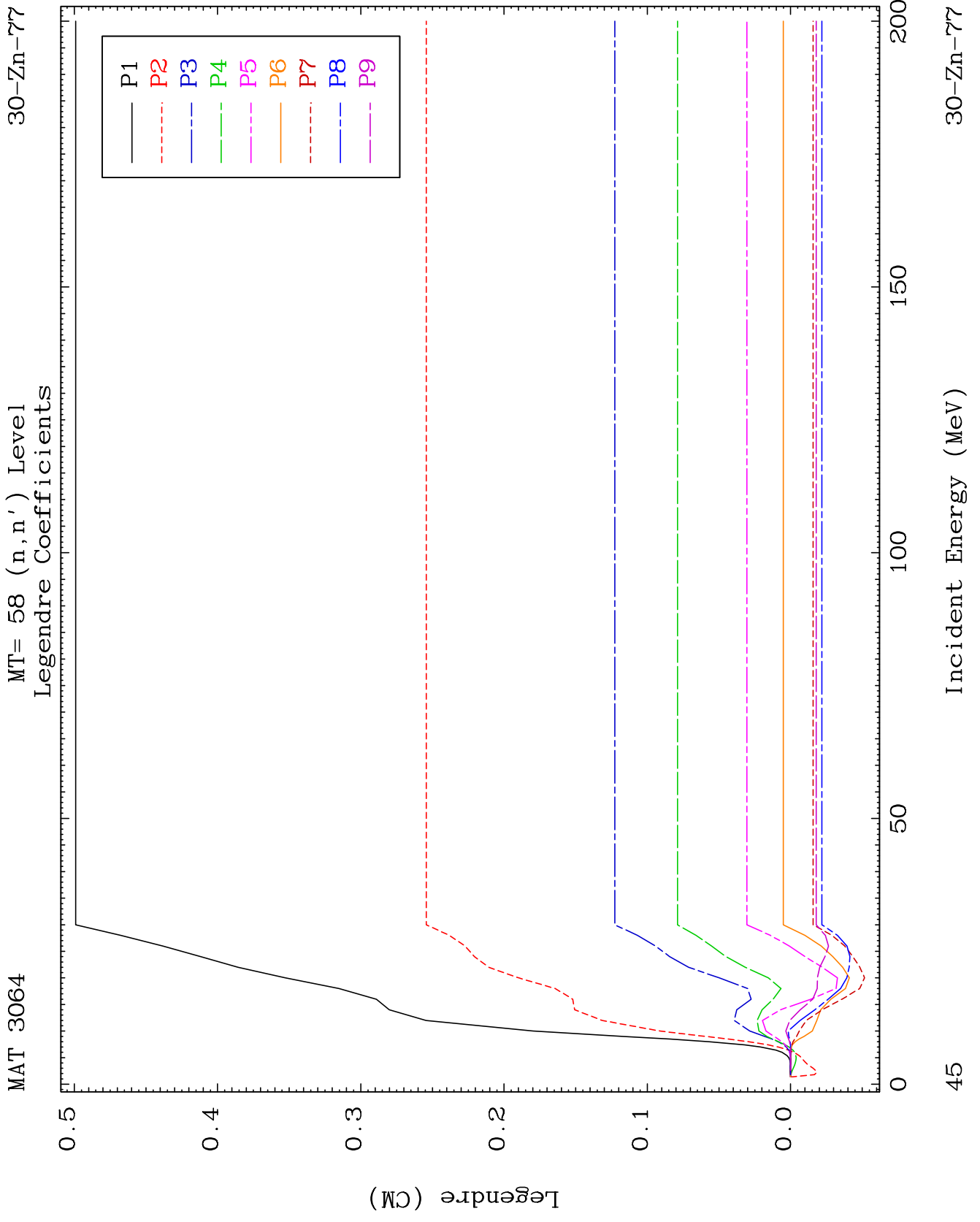
42

Incident Energy (MeV)

30-Zn-77



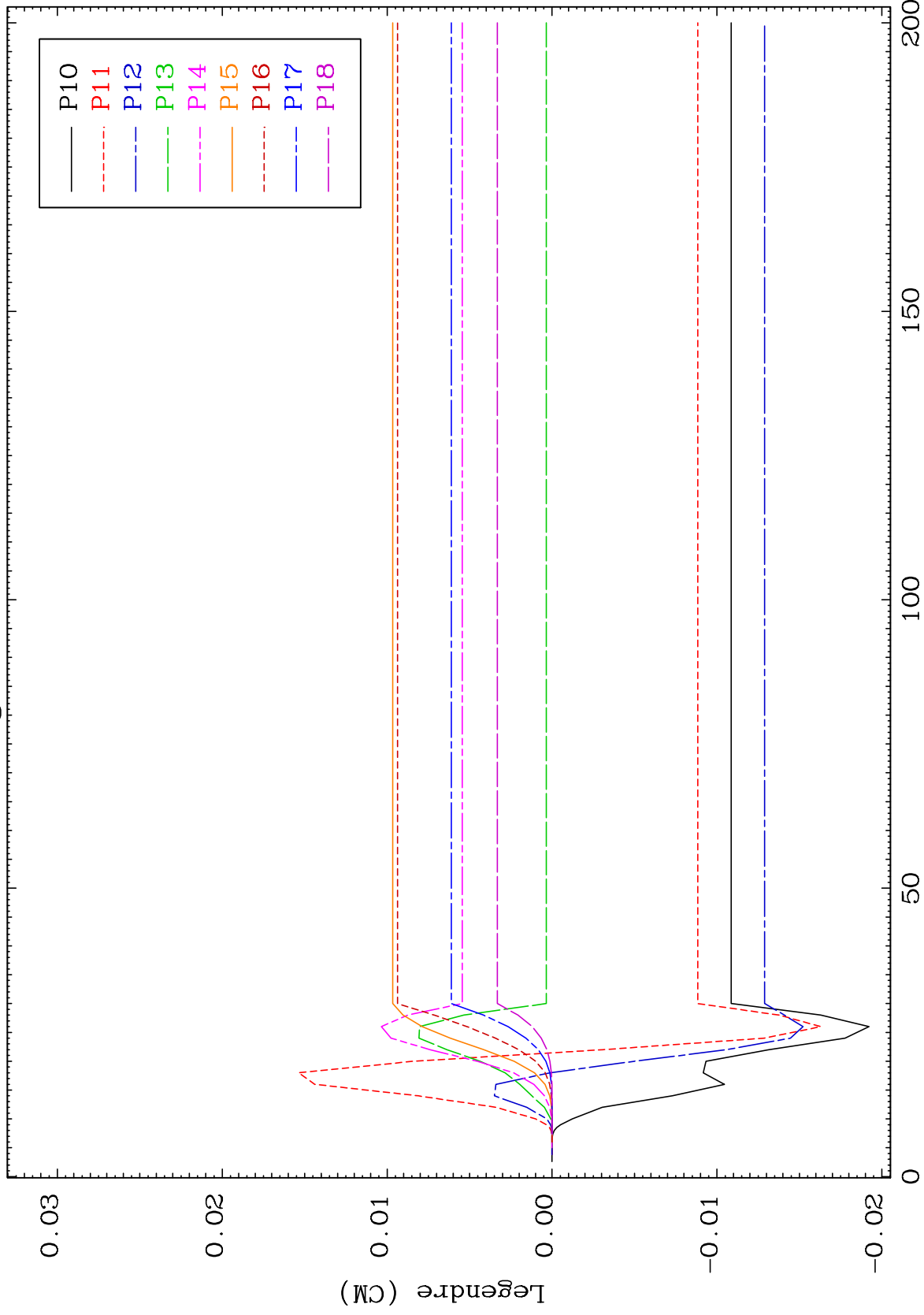




MAT 3064

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

30-Zn-77



46

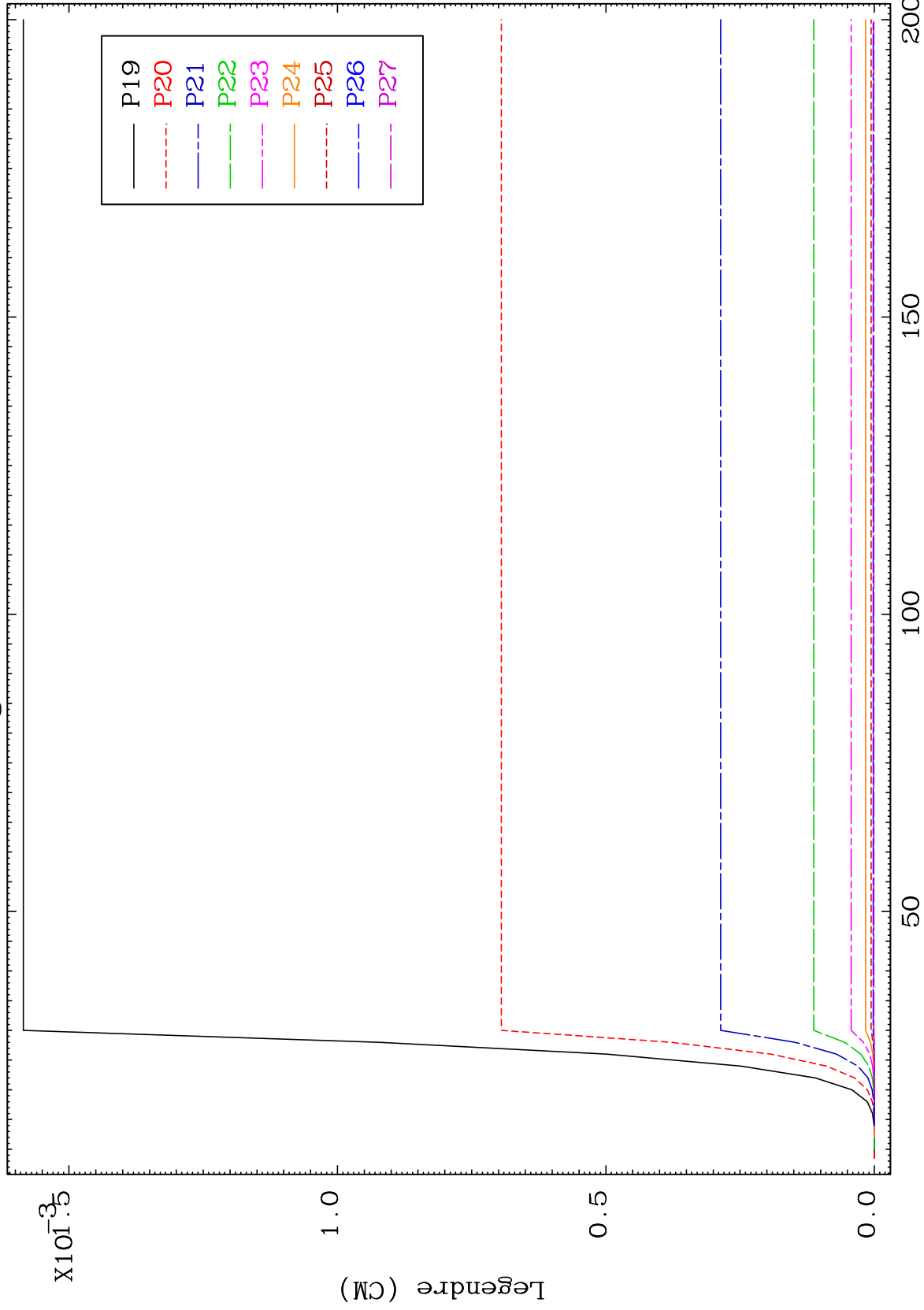
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

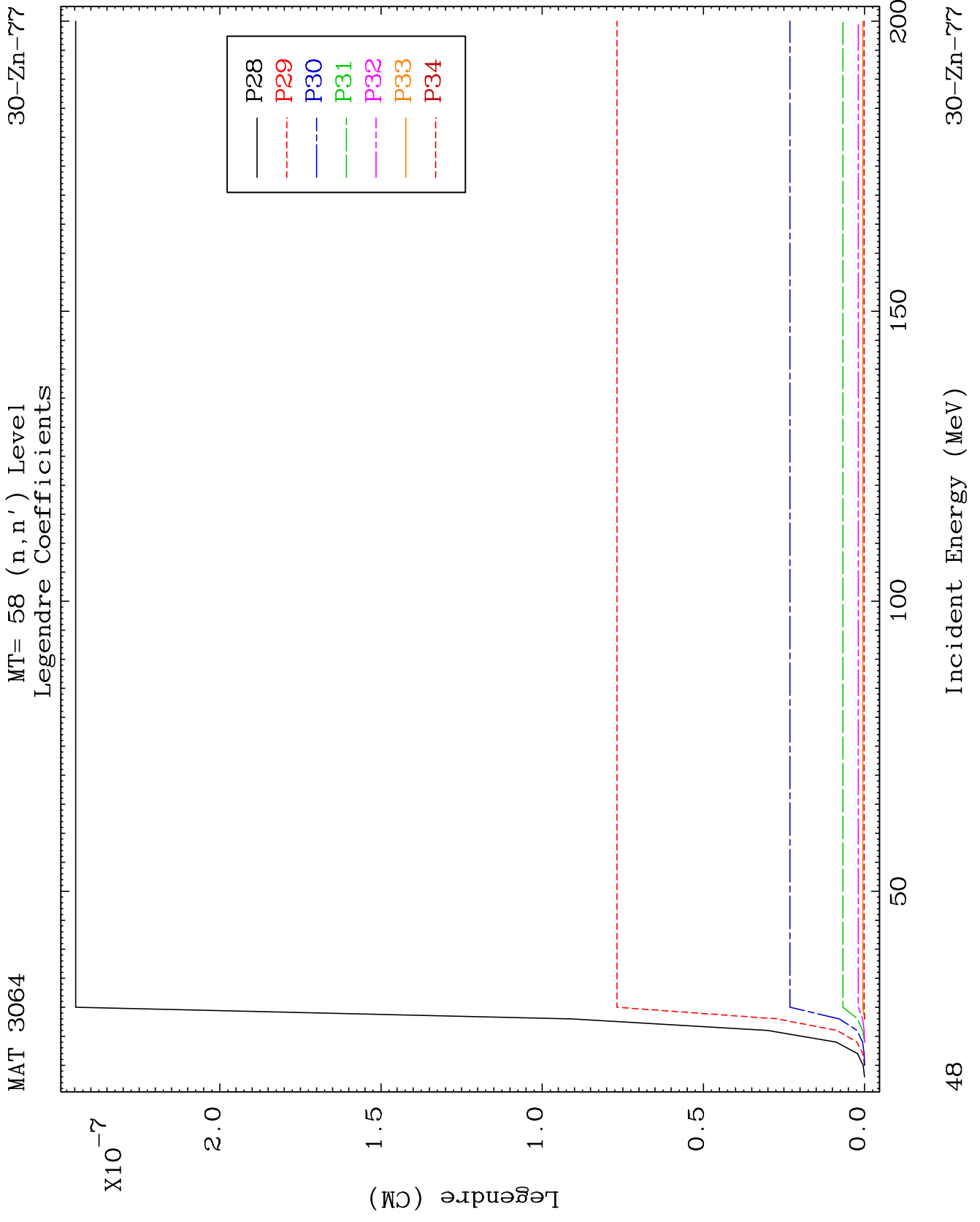
30-Zn-77



47

Incident Energy (MeV)

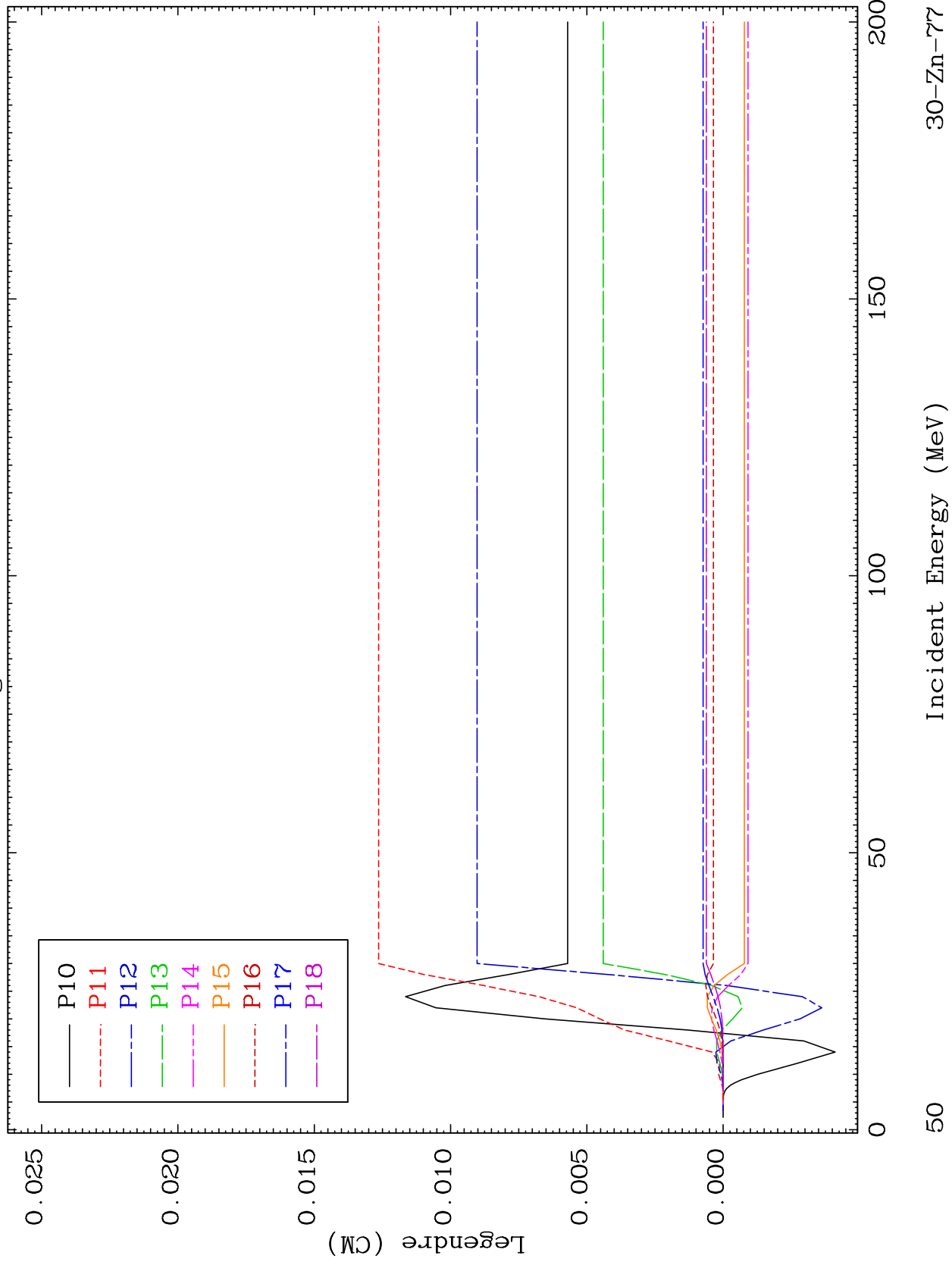
30-Zn-77

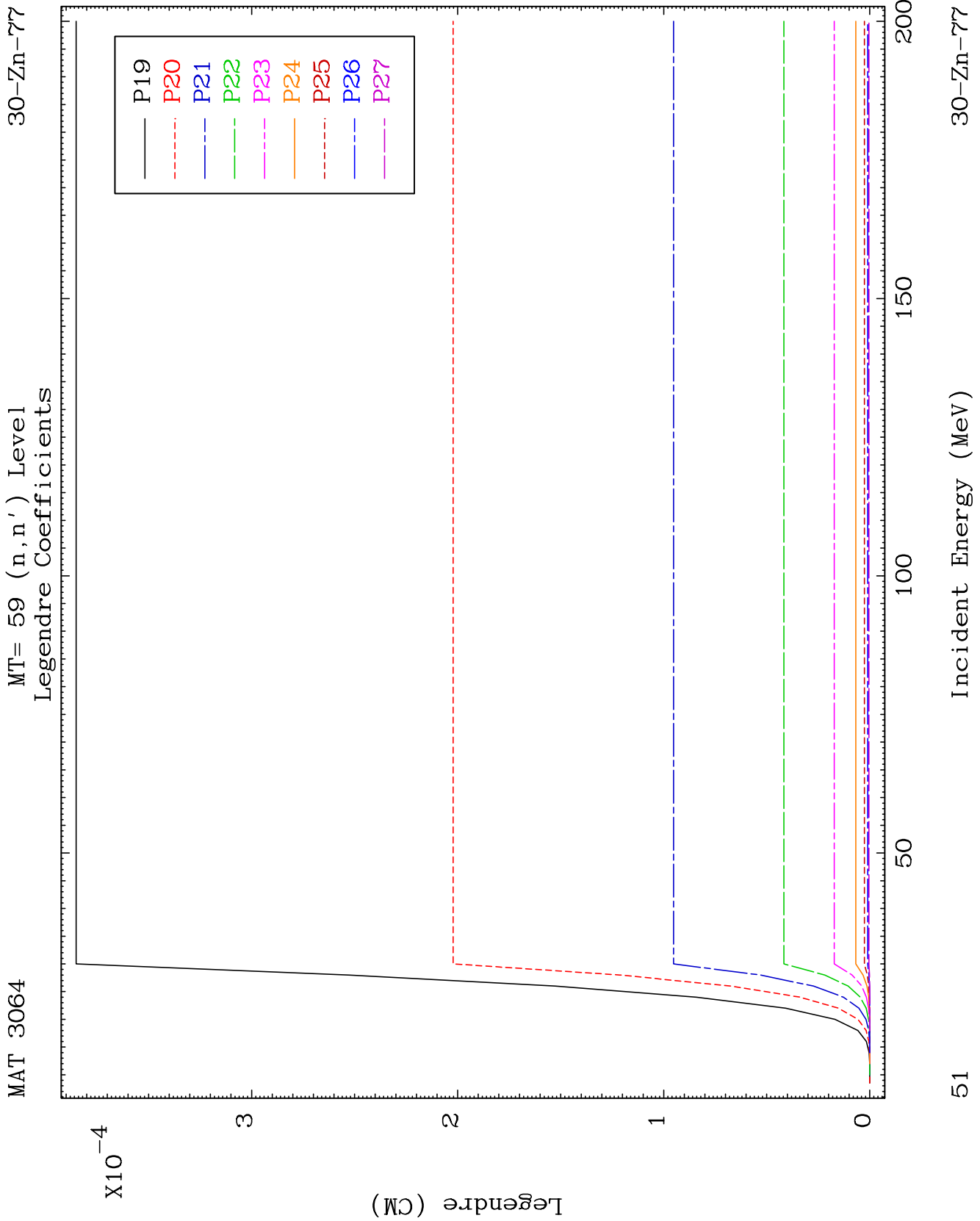


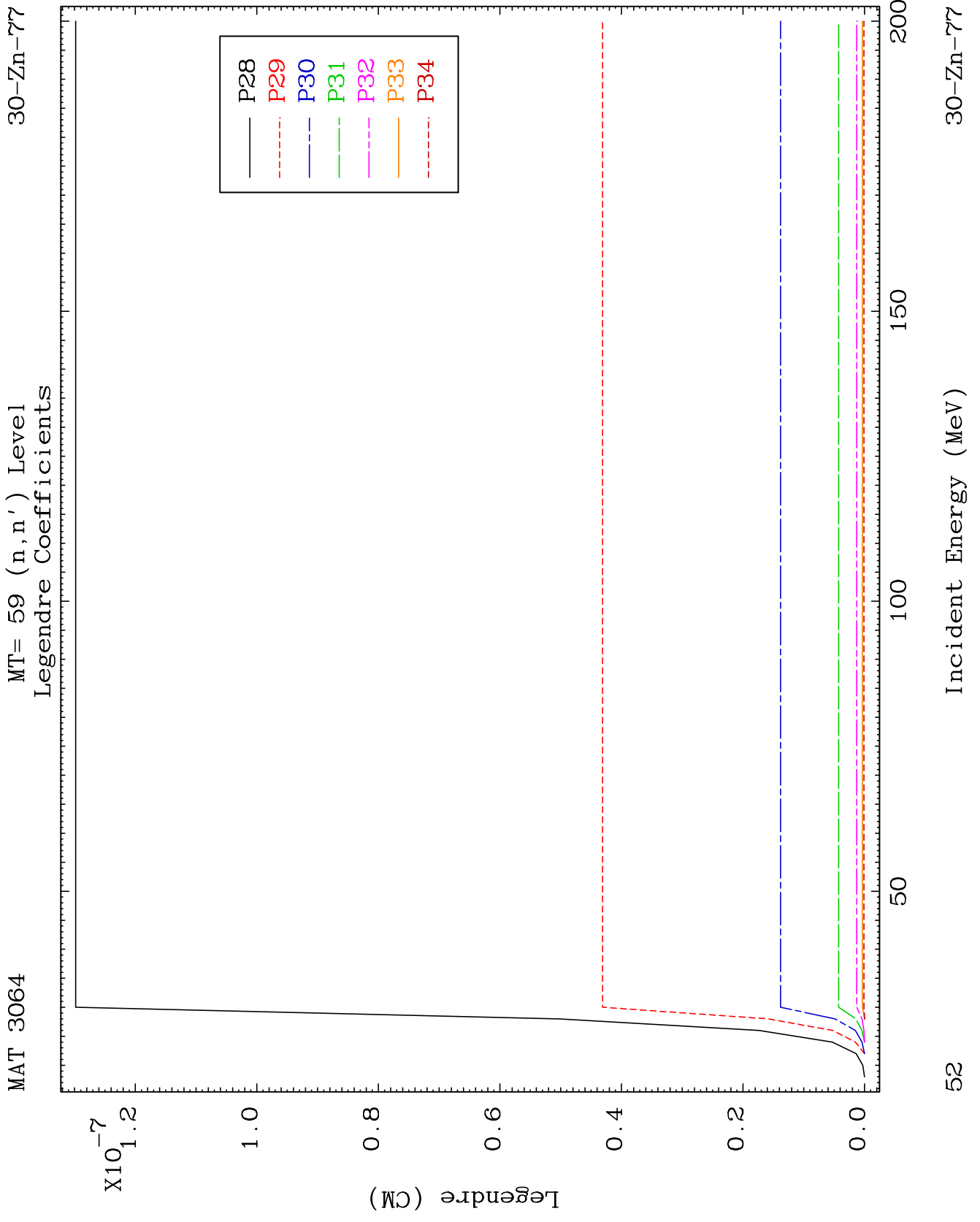
MAT 3064

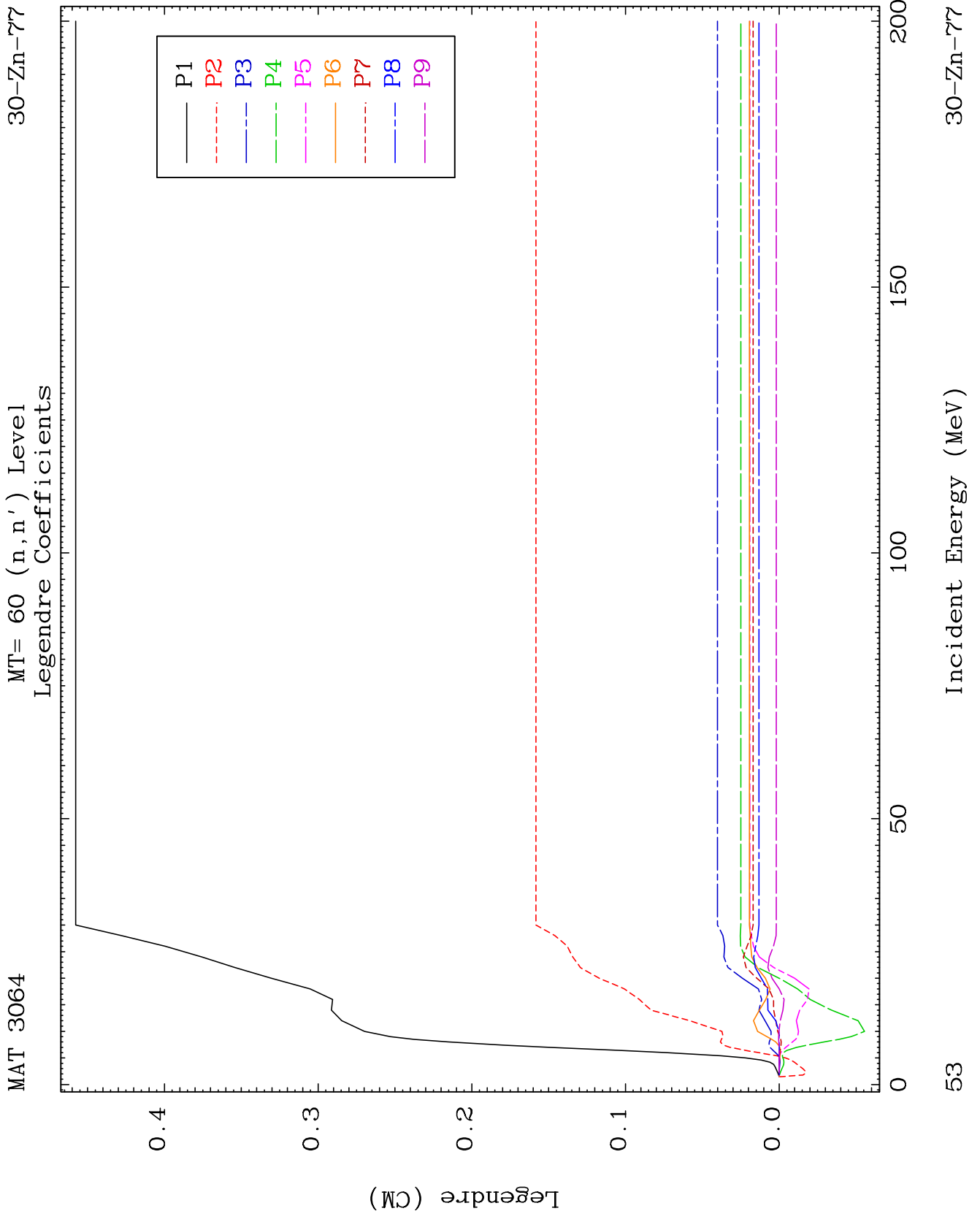
MT= 59 (n,n') Level
Legendre Coefficients

30-Zn-77





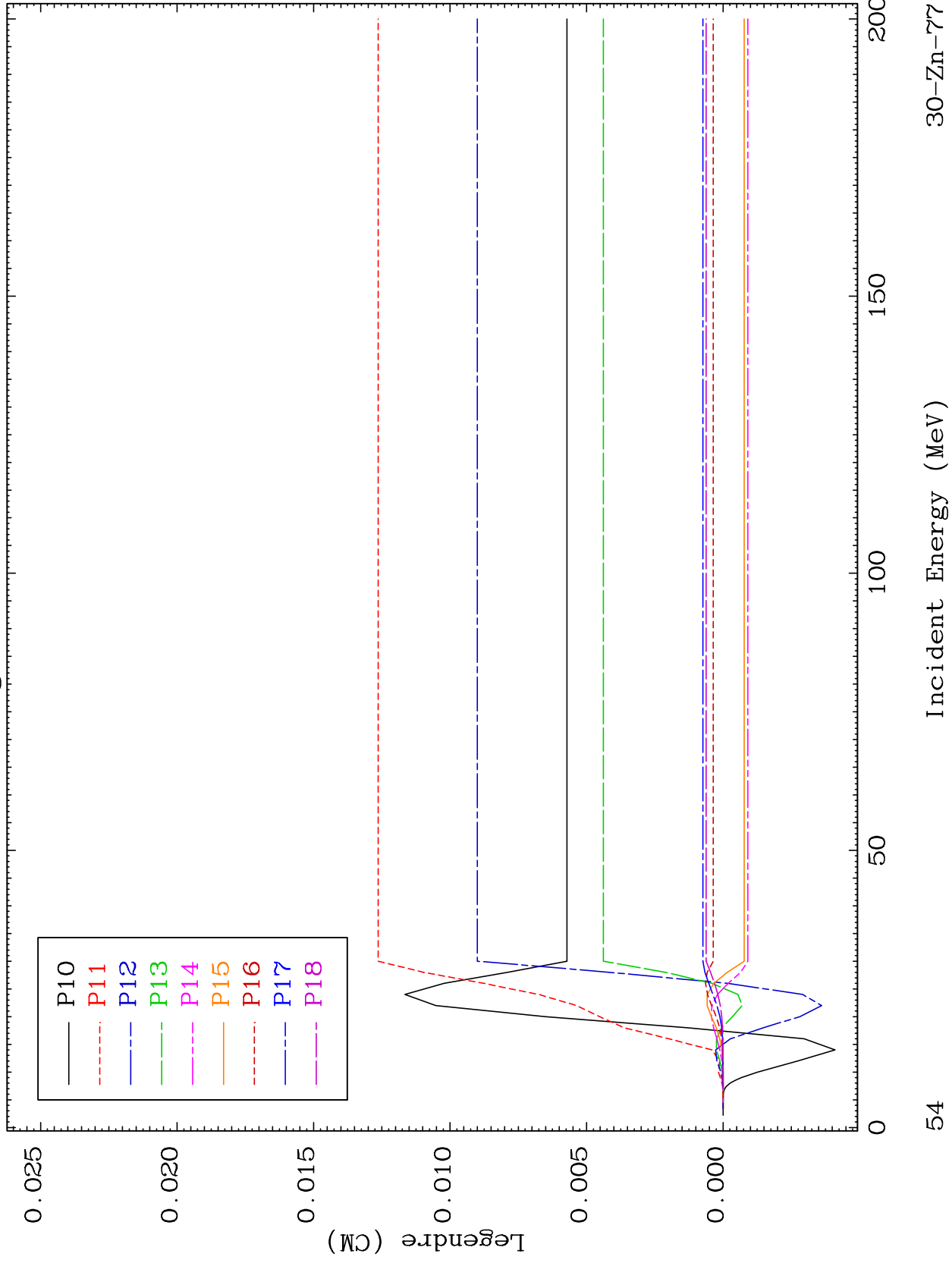




MAT 3064

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

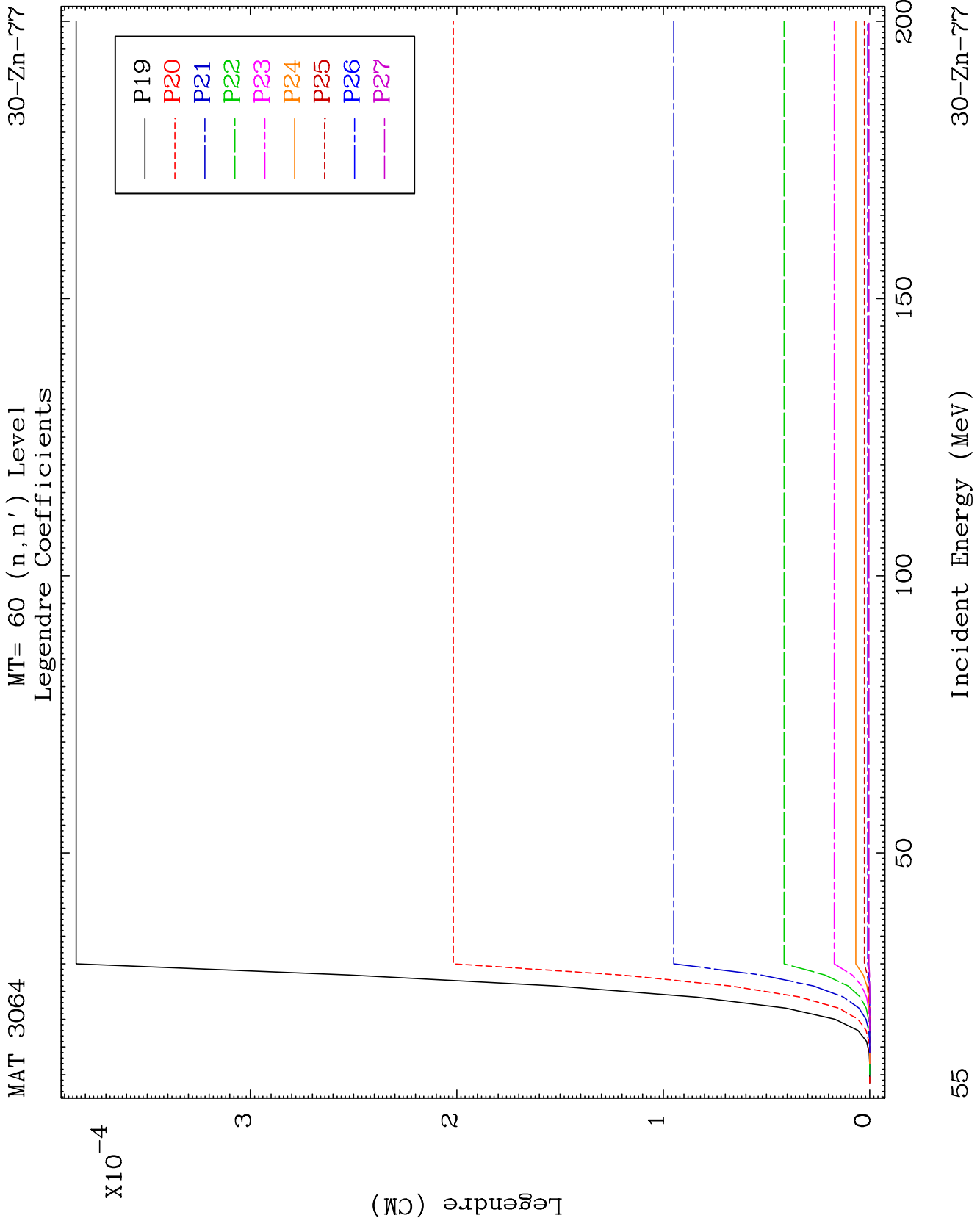
30-Zn-77

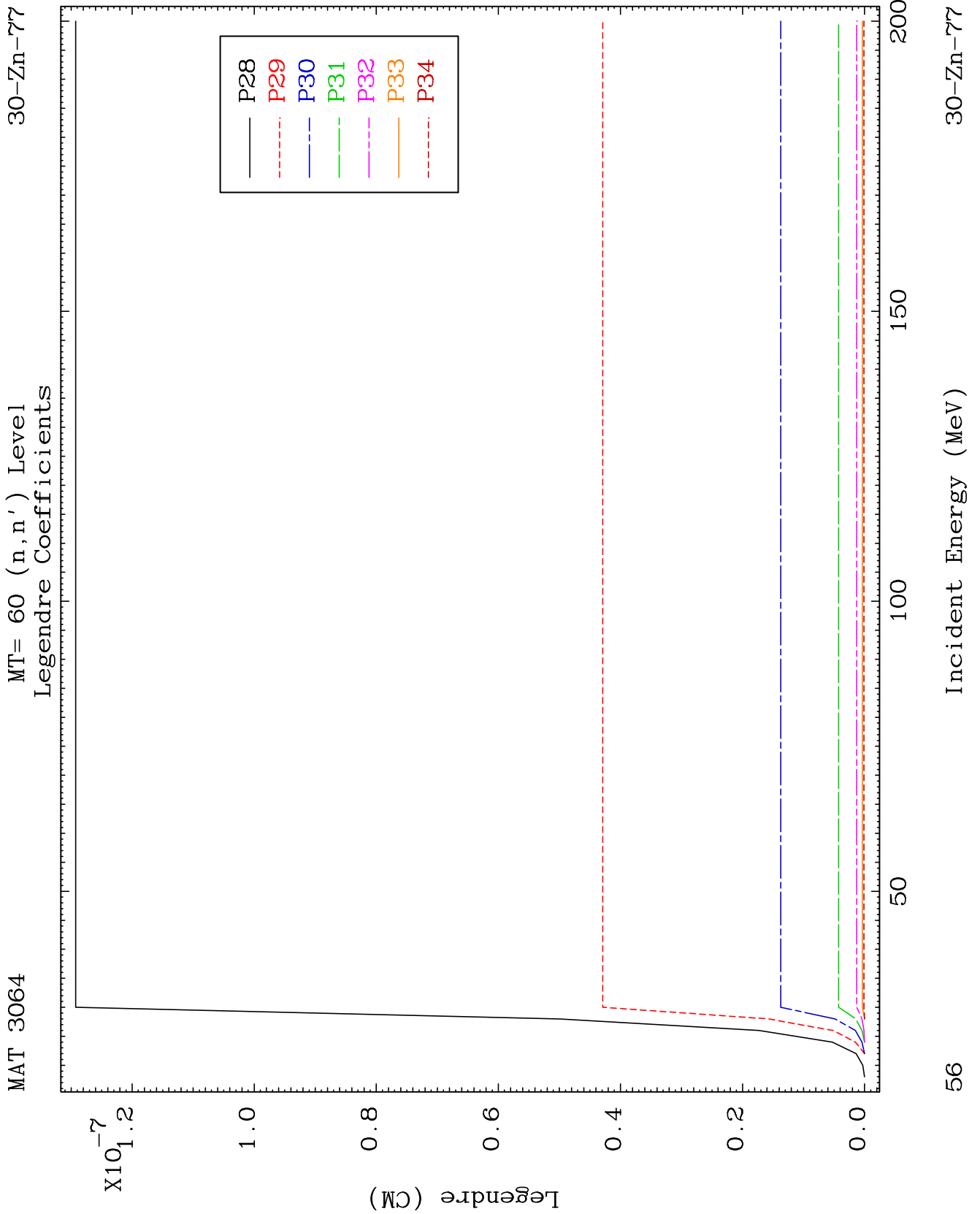


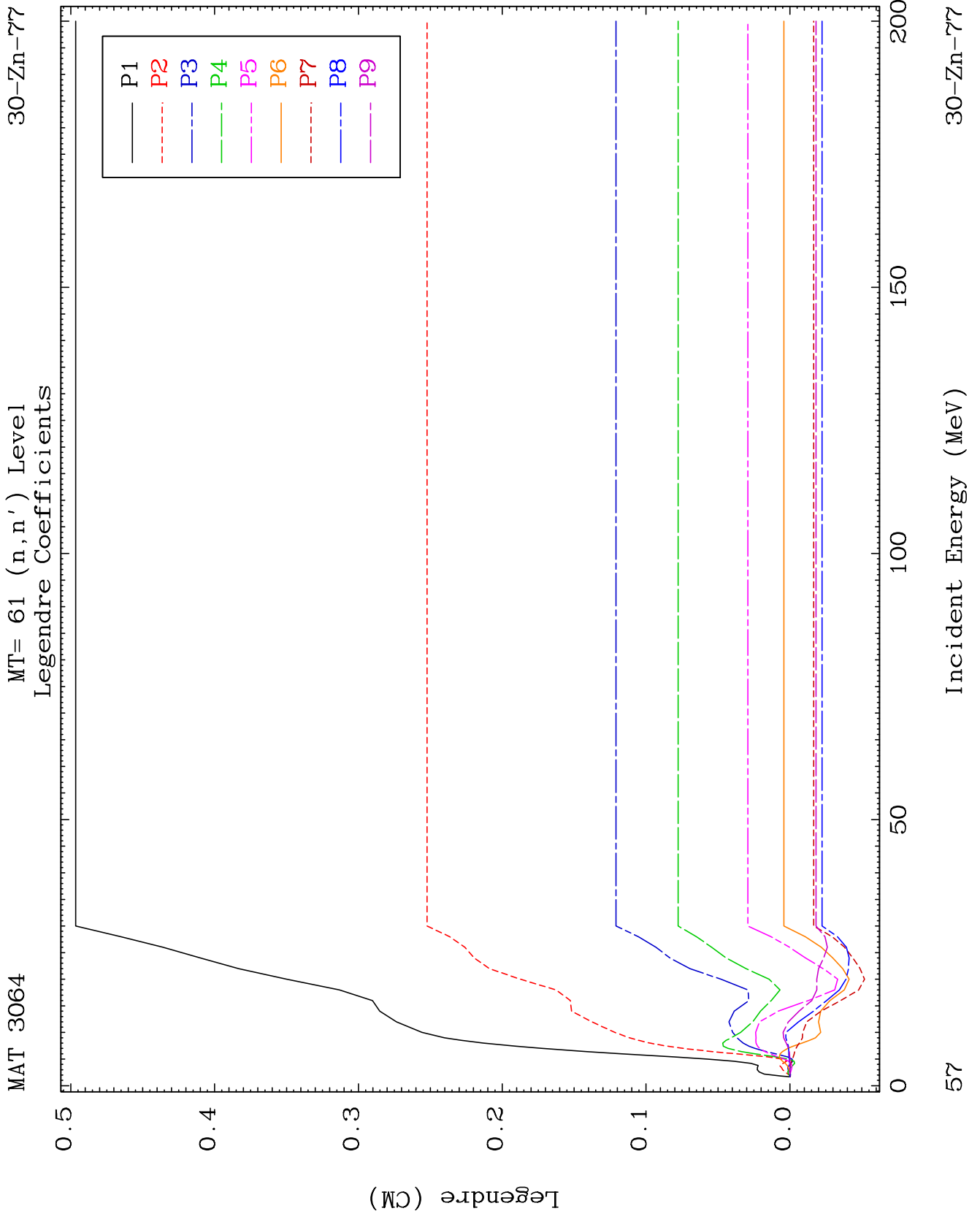
30-Zn-77

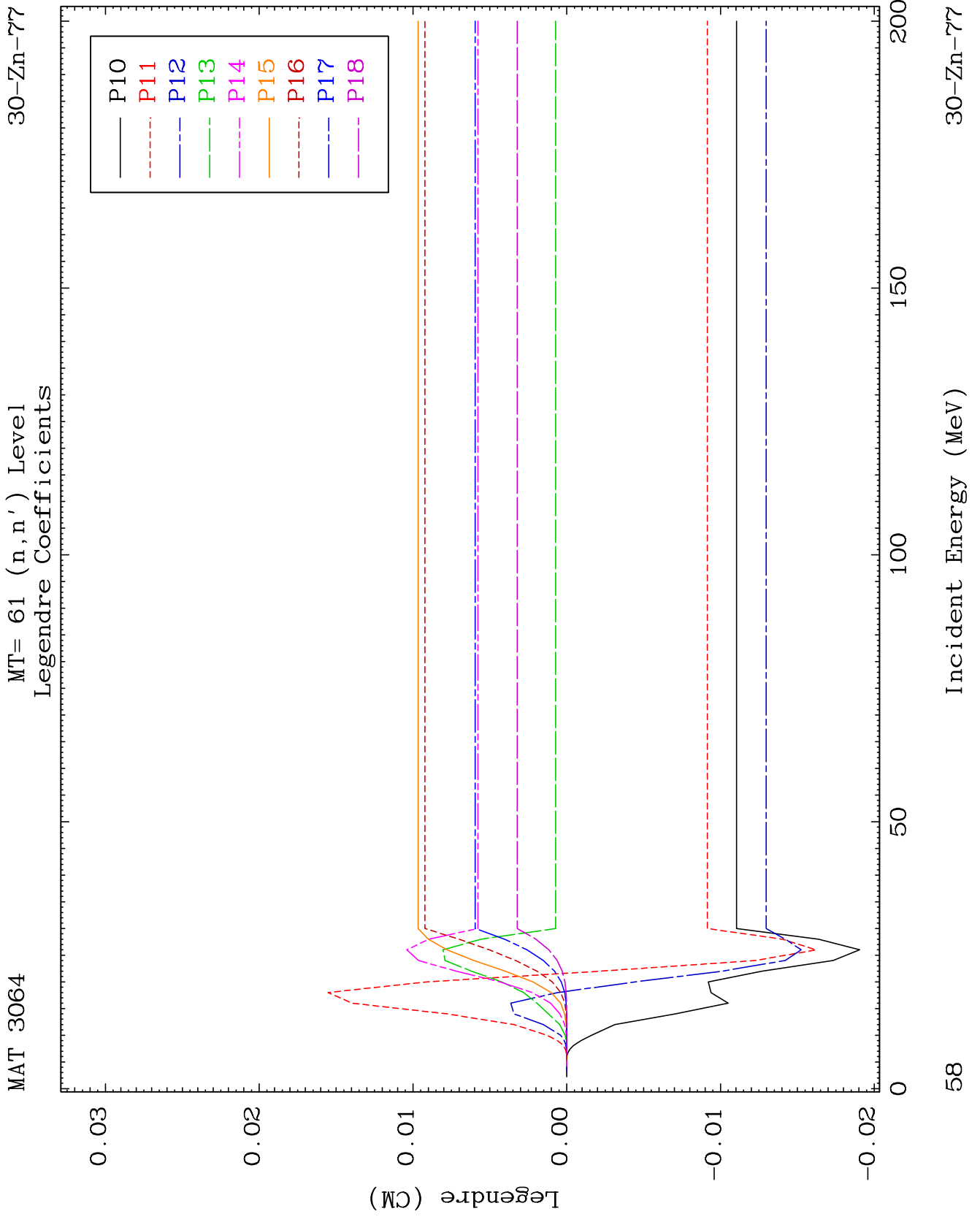
Incident Energy (MeV)

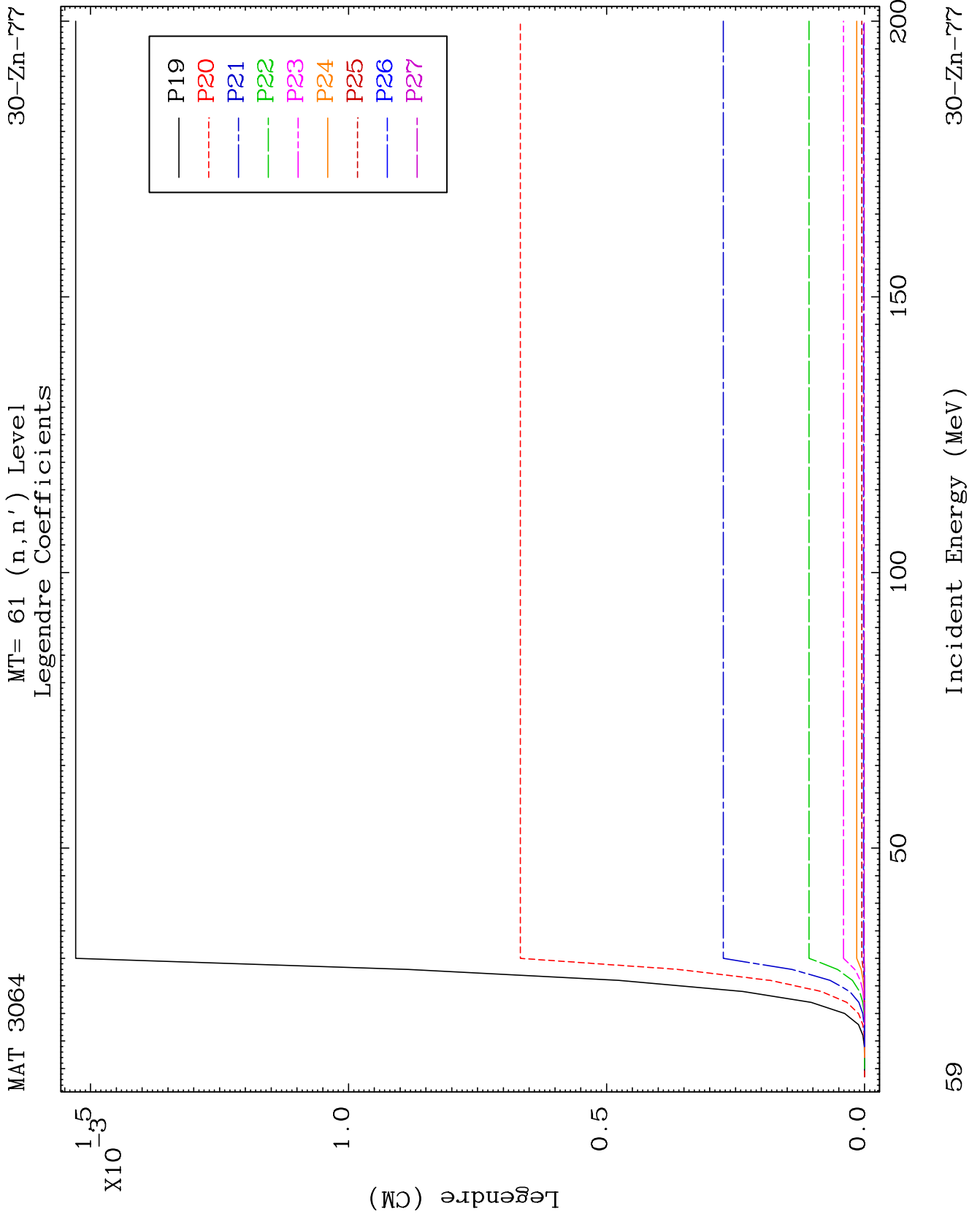
54

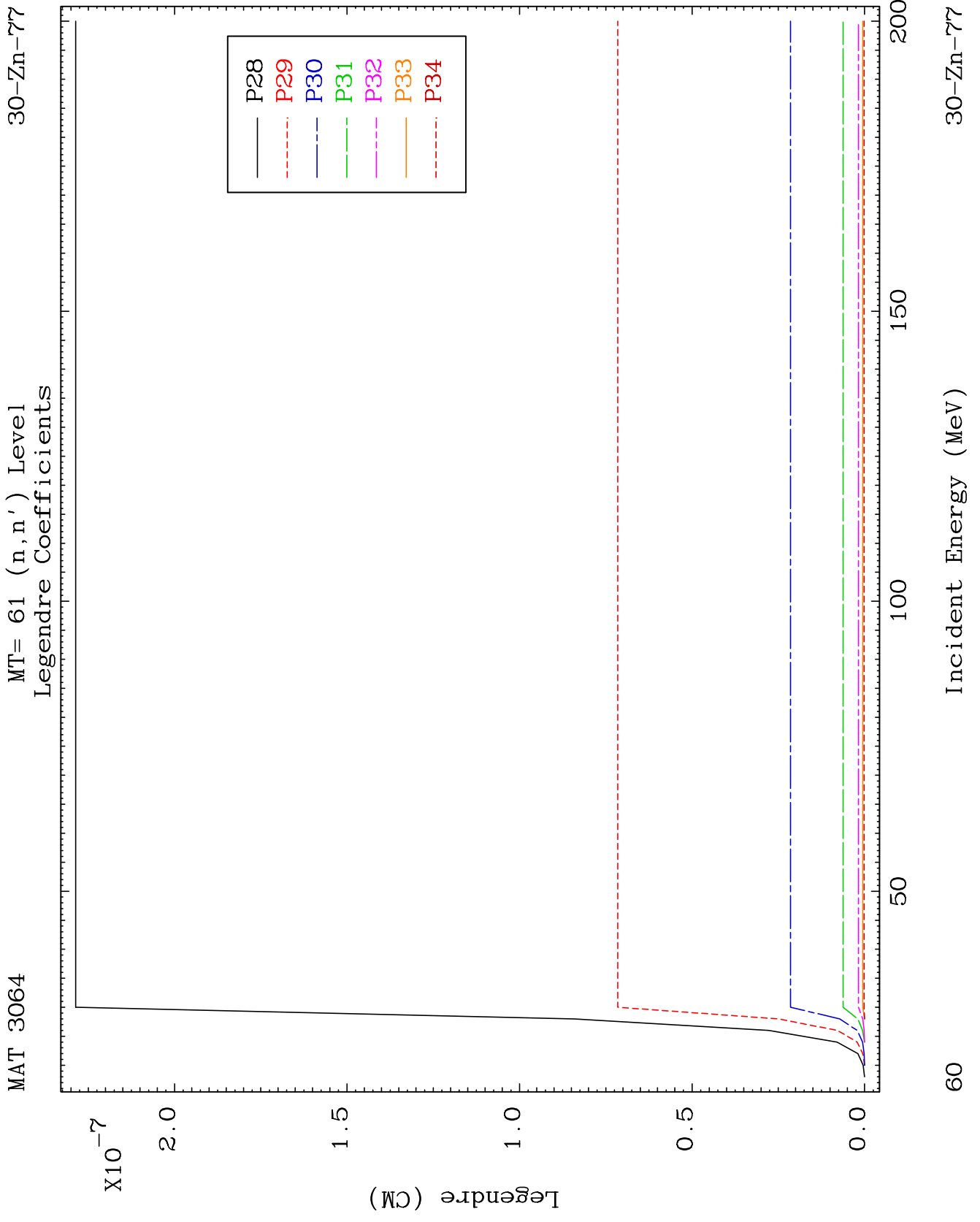


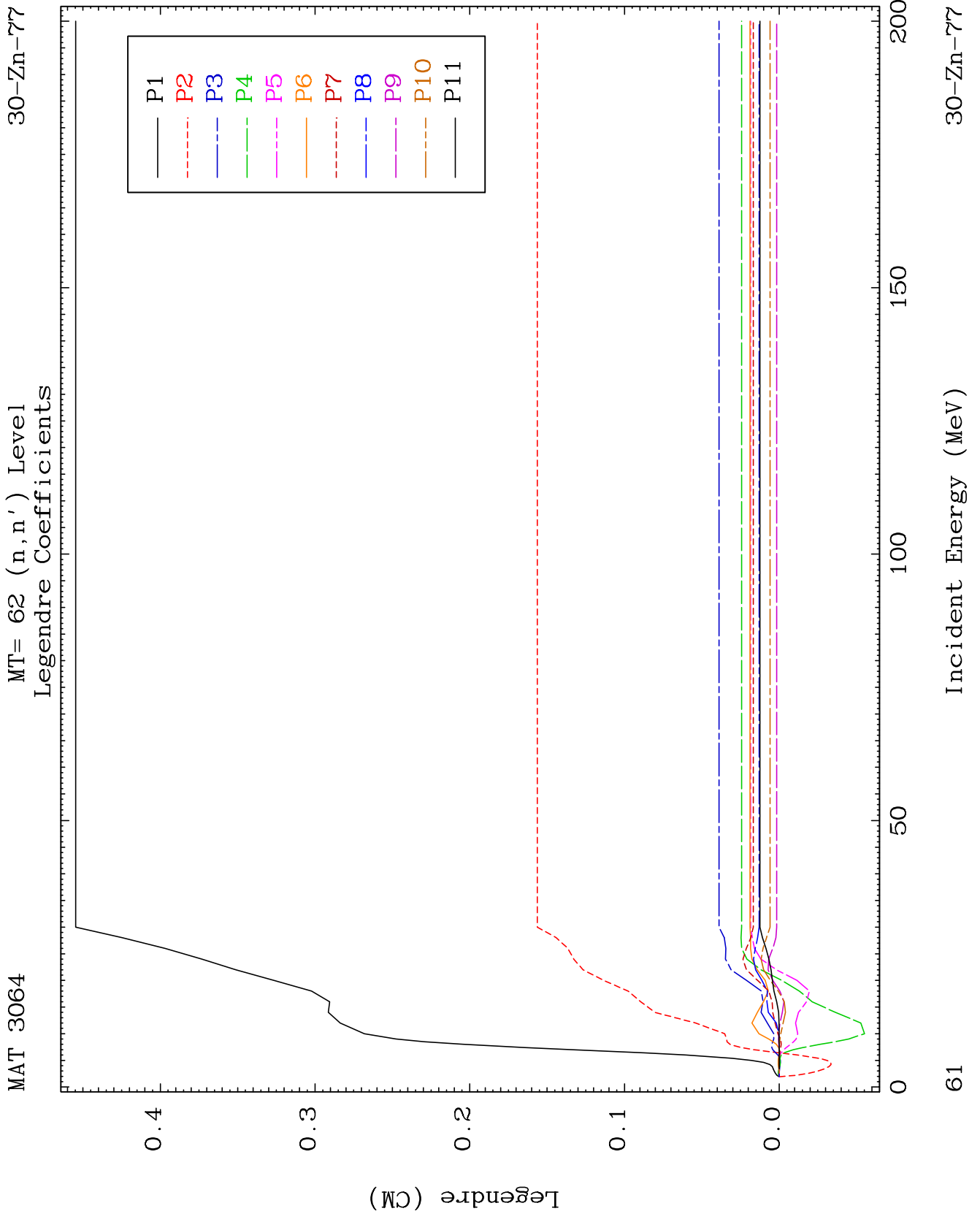








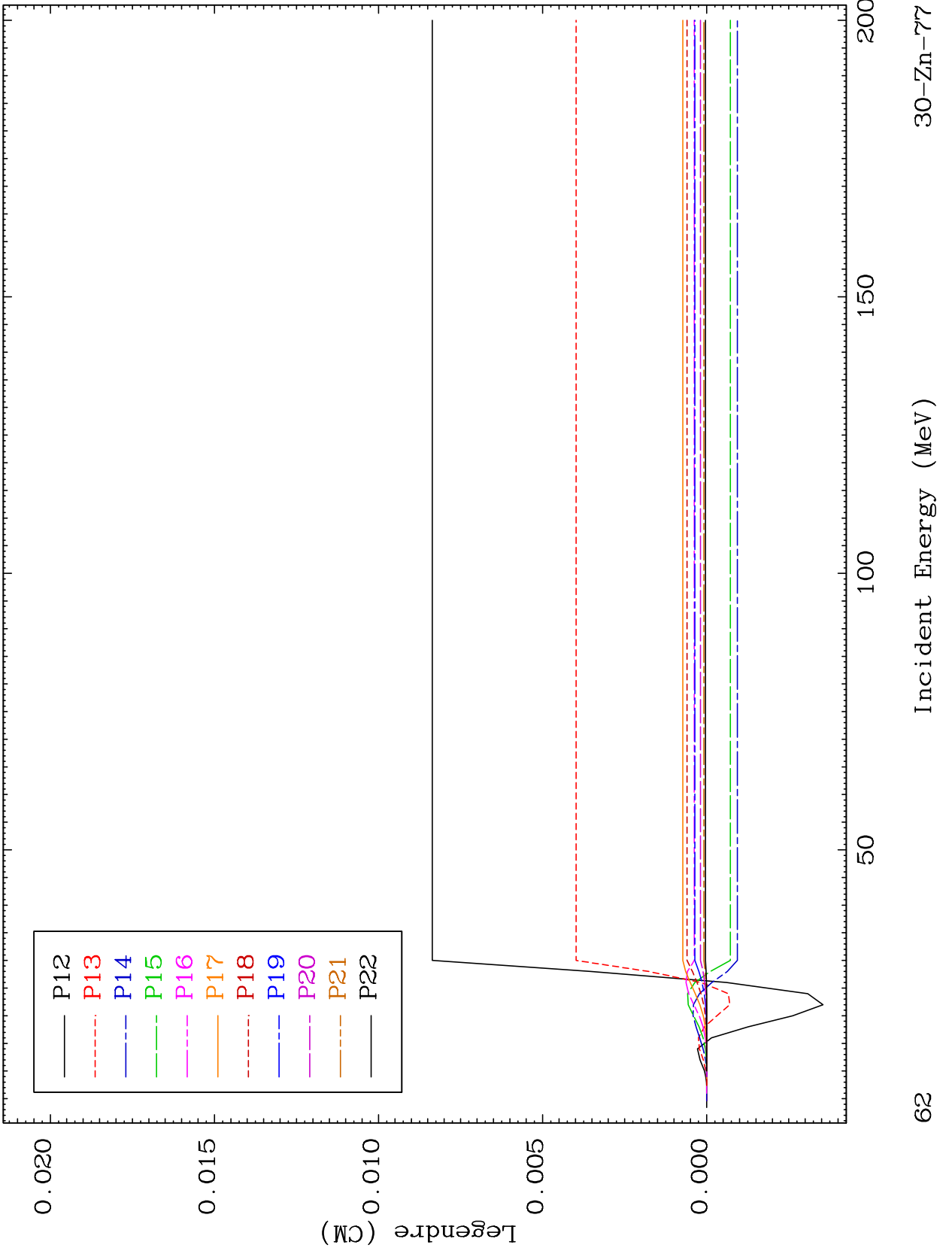




MAT 3064

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

30-Zn-77



62

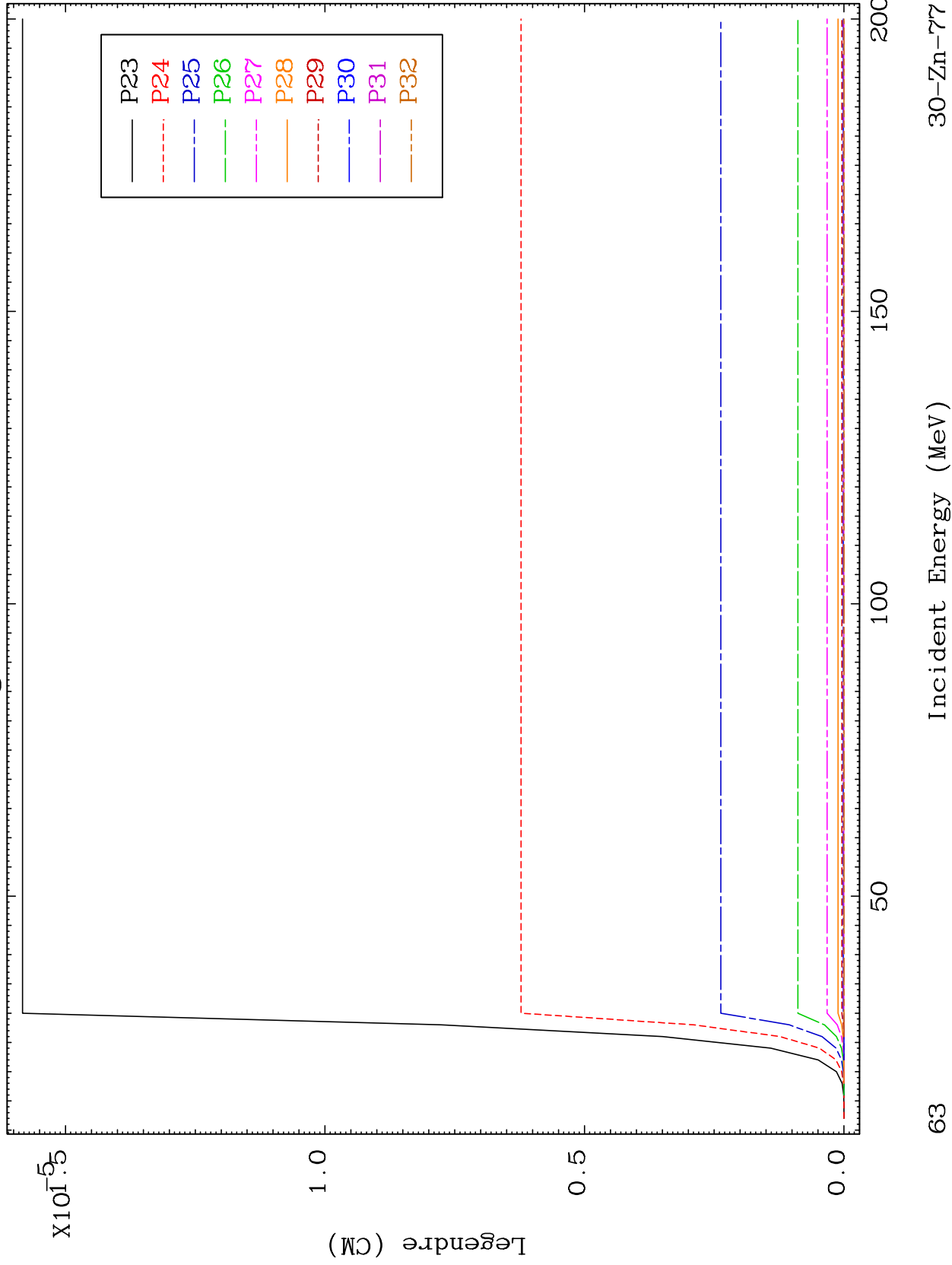
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

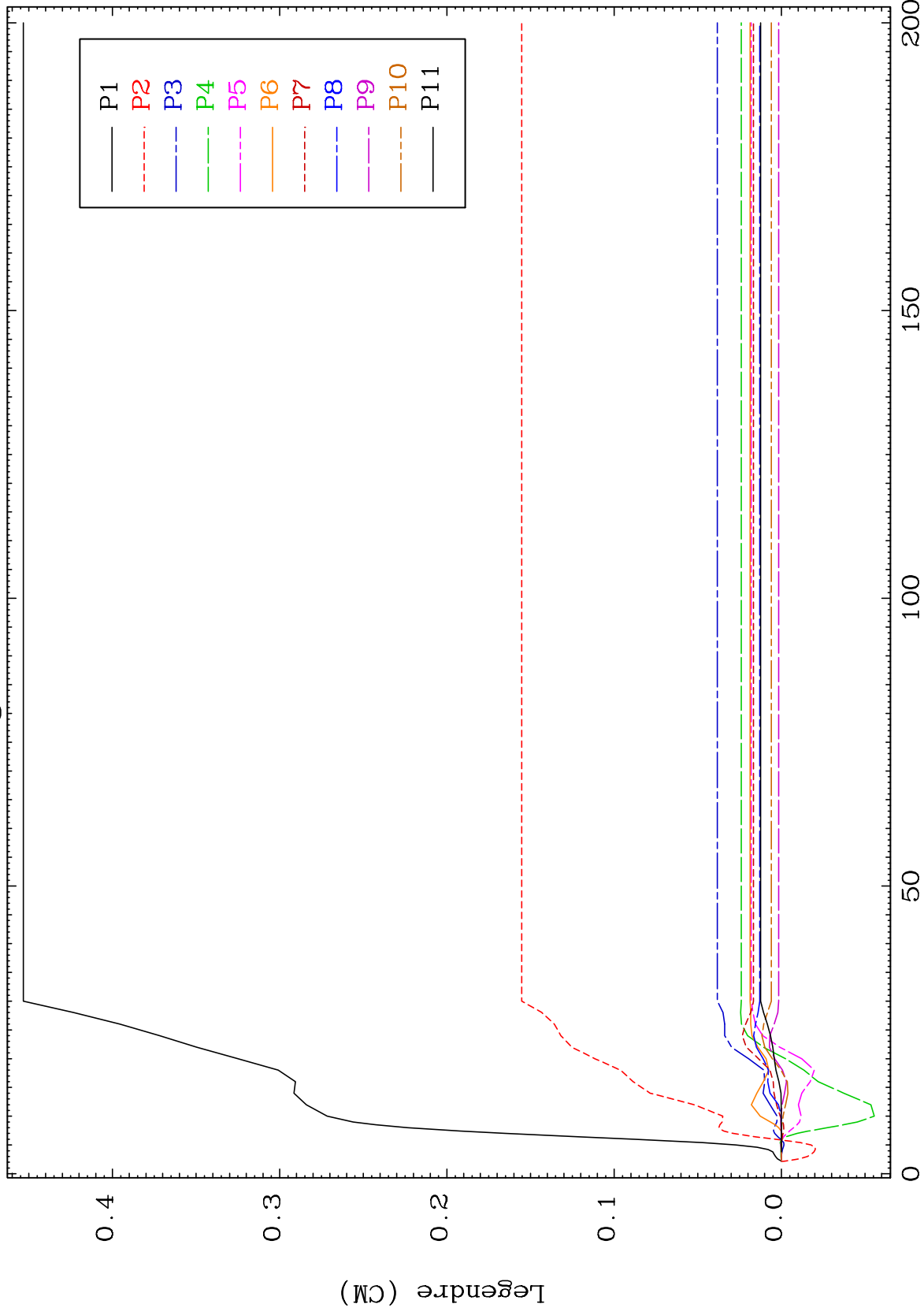
30-Zn-77



MAT 3064

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

30-Zn-77



64

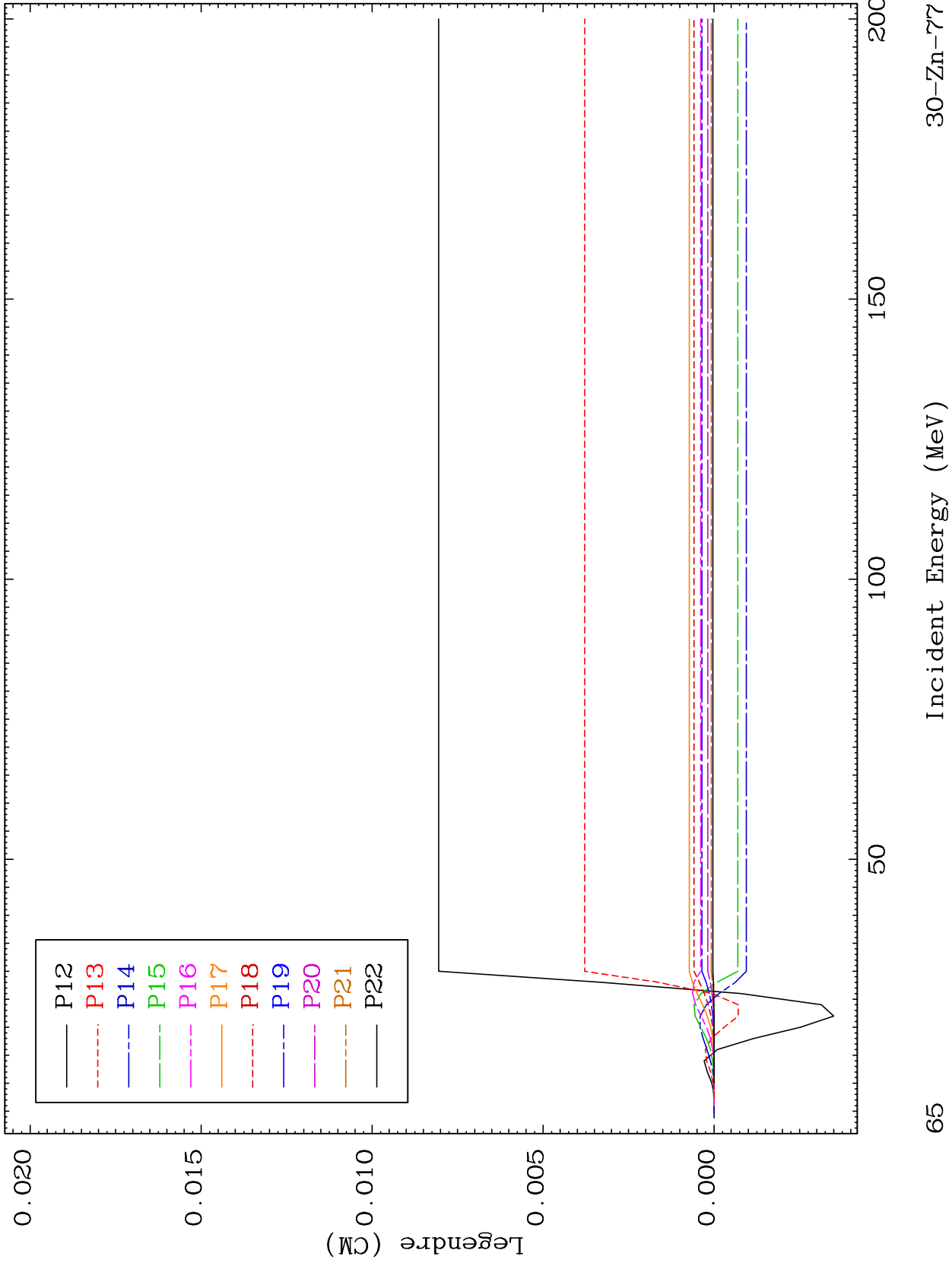
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



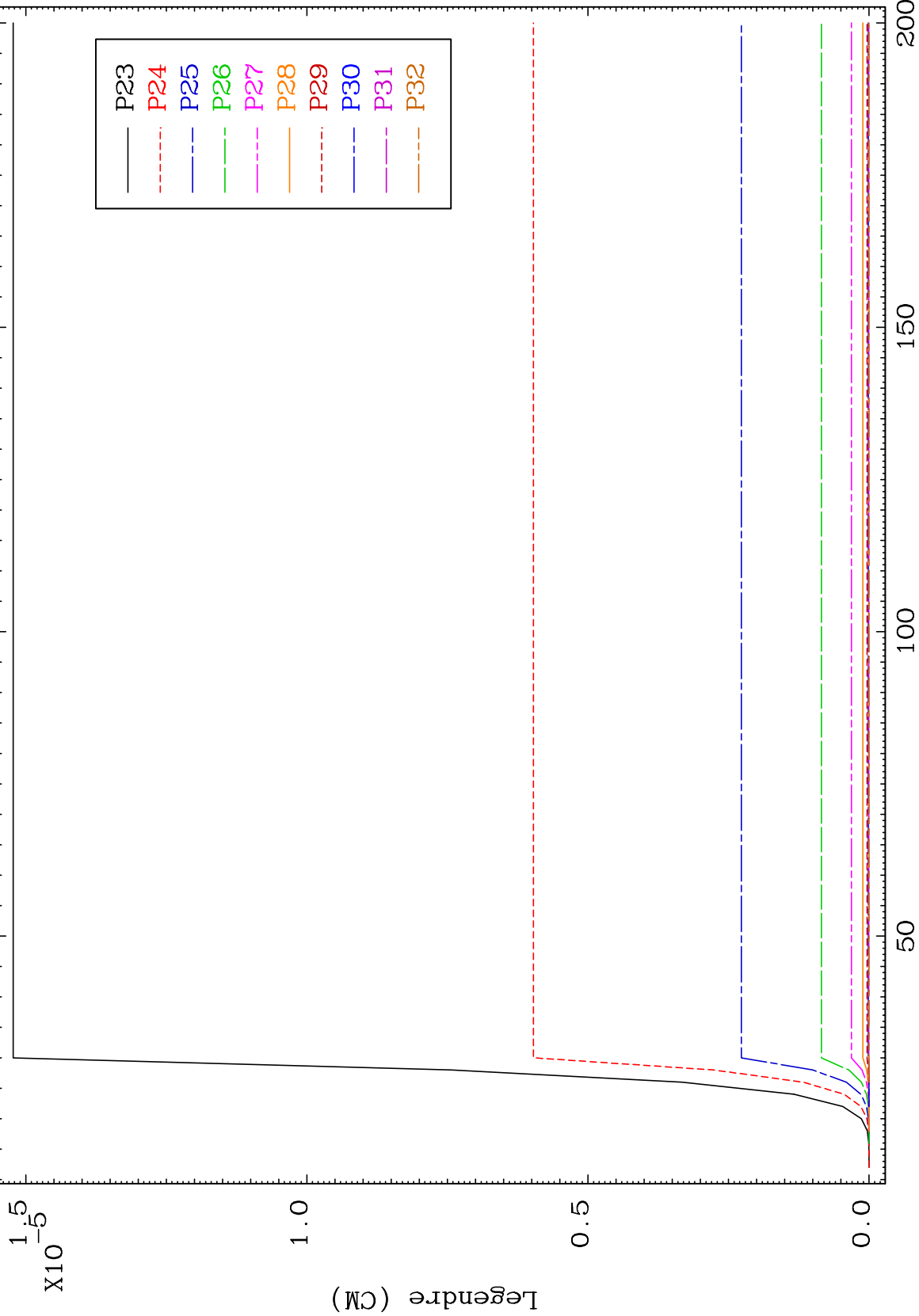
65

30-Zn-77

MAT 3064

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

30-Zn-77



66

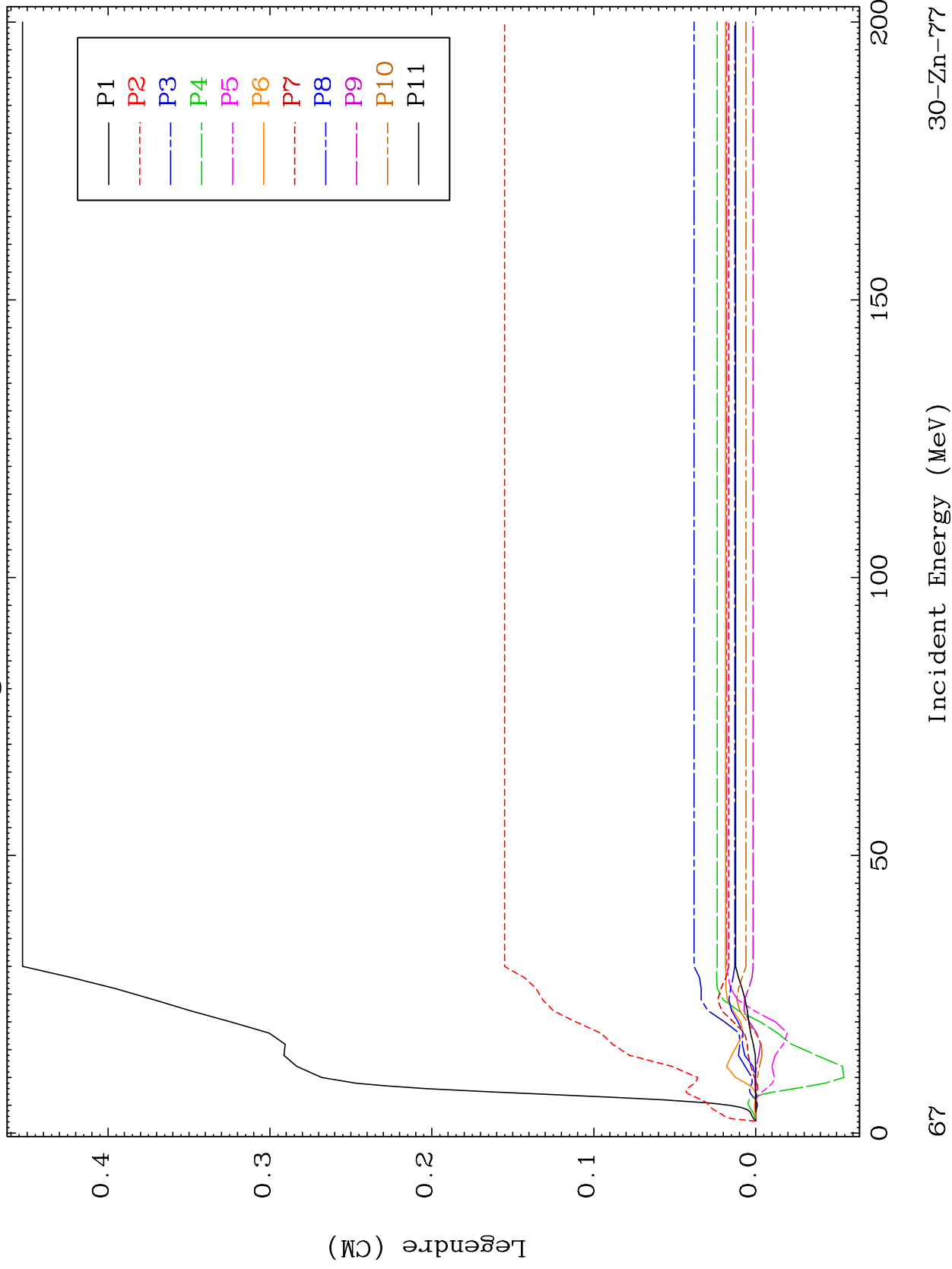
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



30-Zn-77

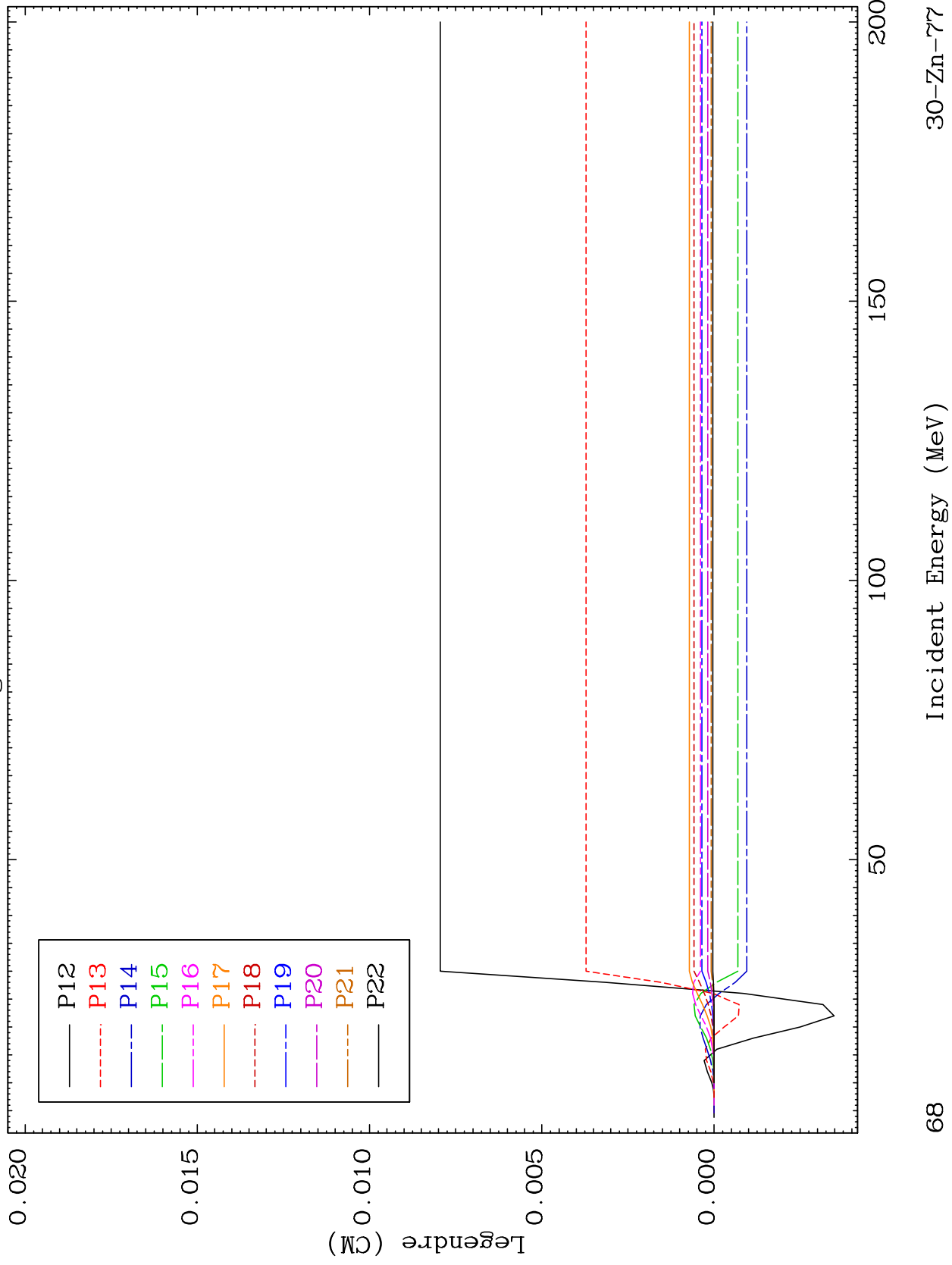
Incident Energy (MeV)

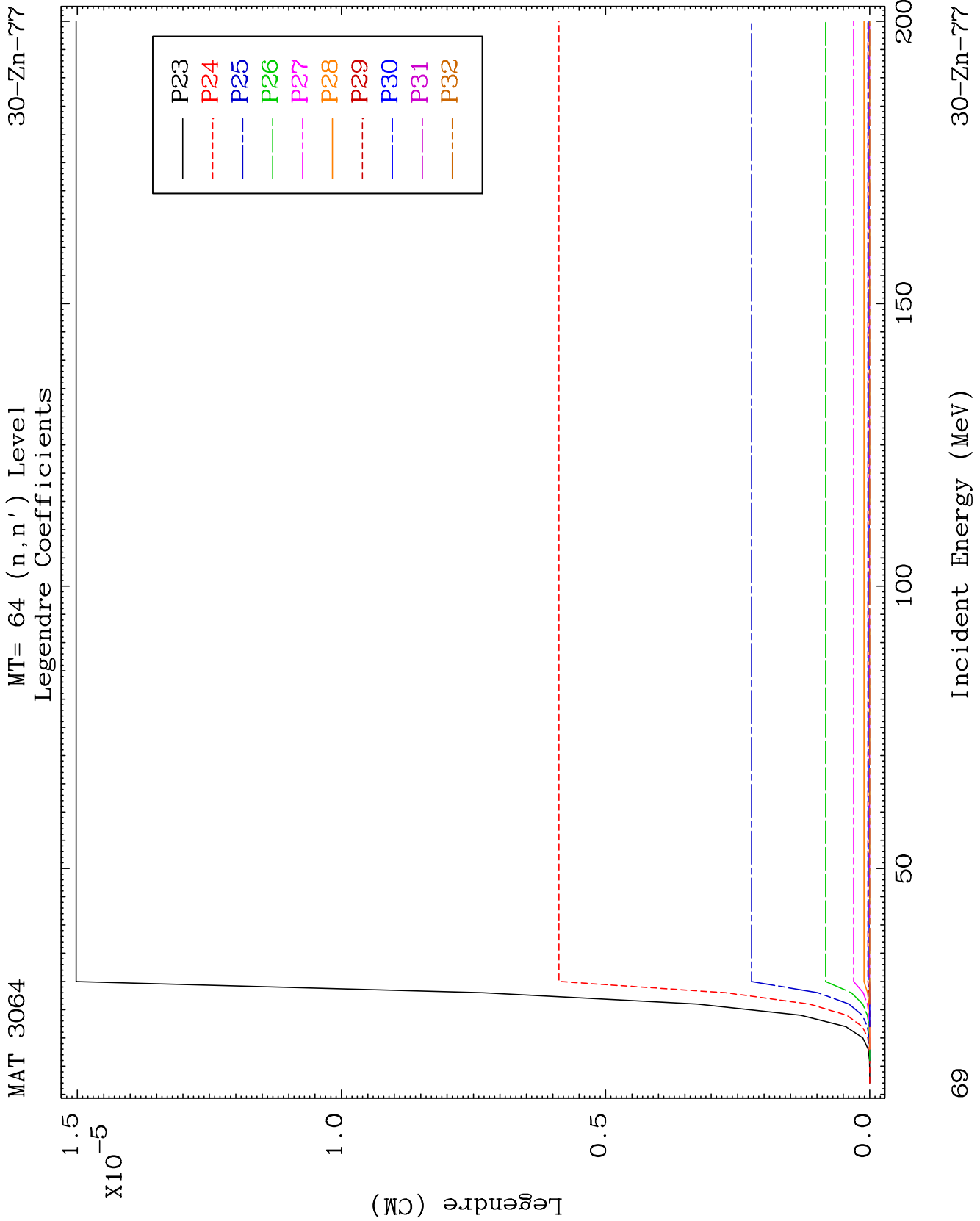
67

MAT 3064

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

30-Zn-77

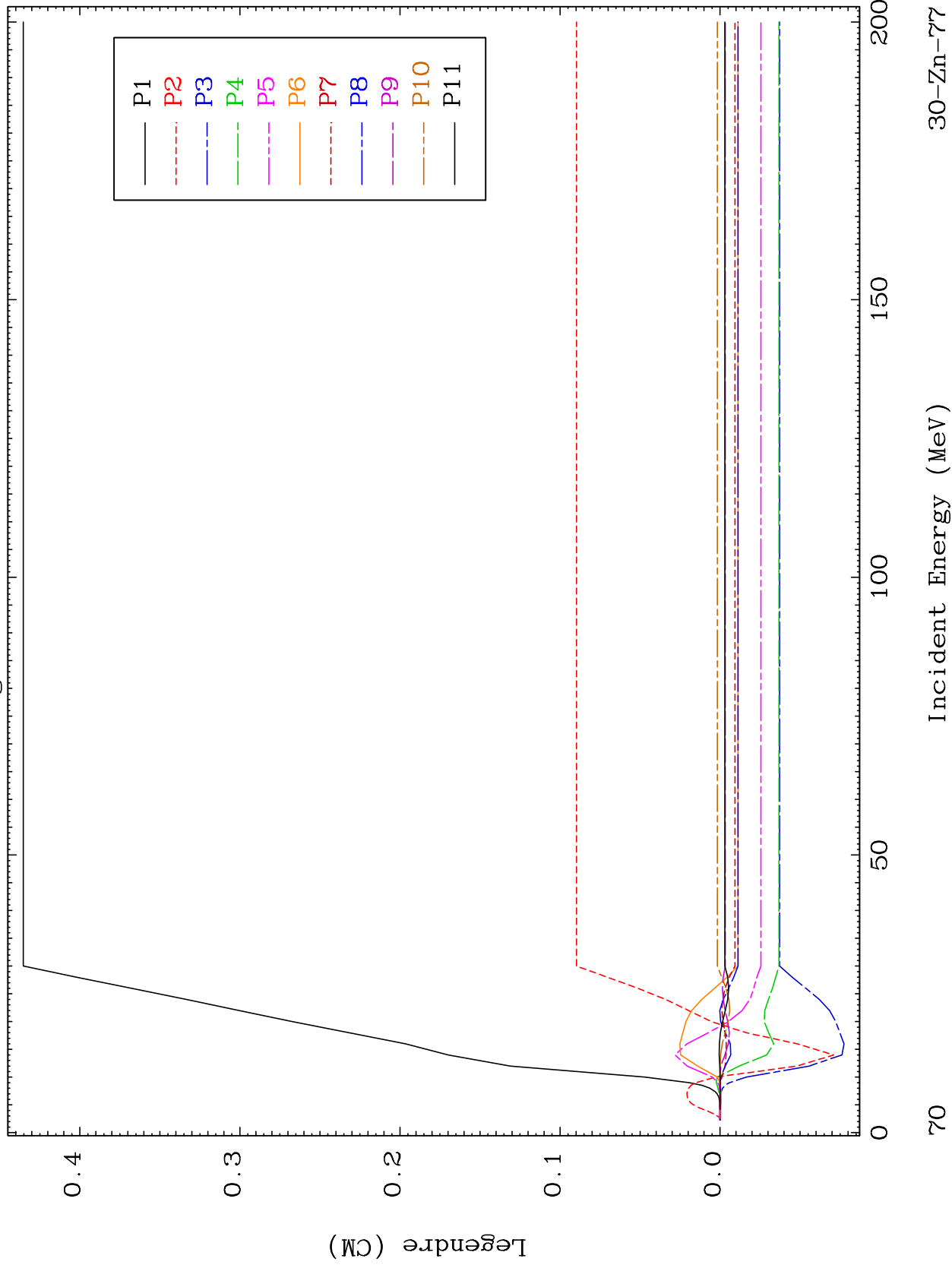


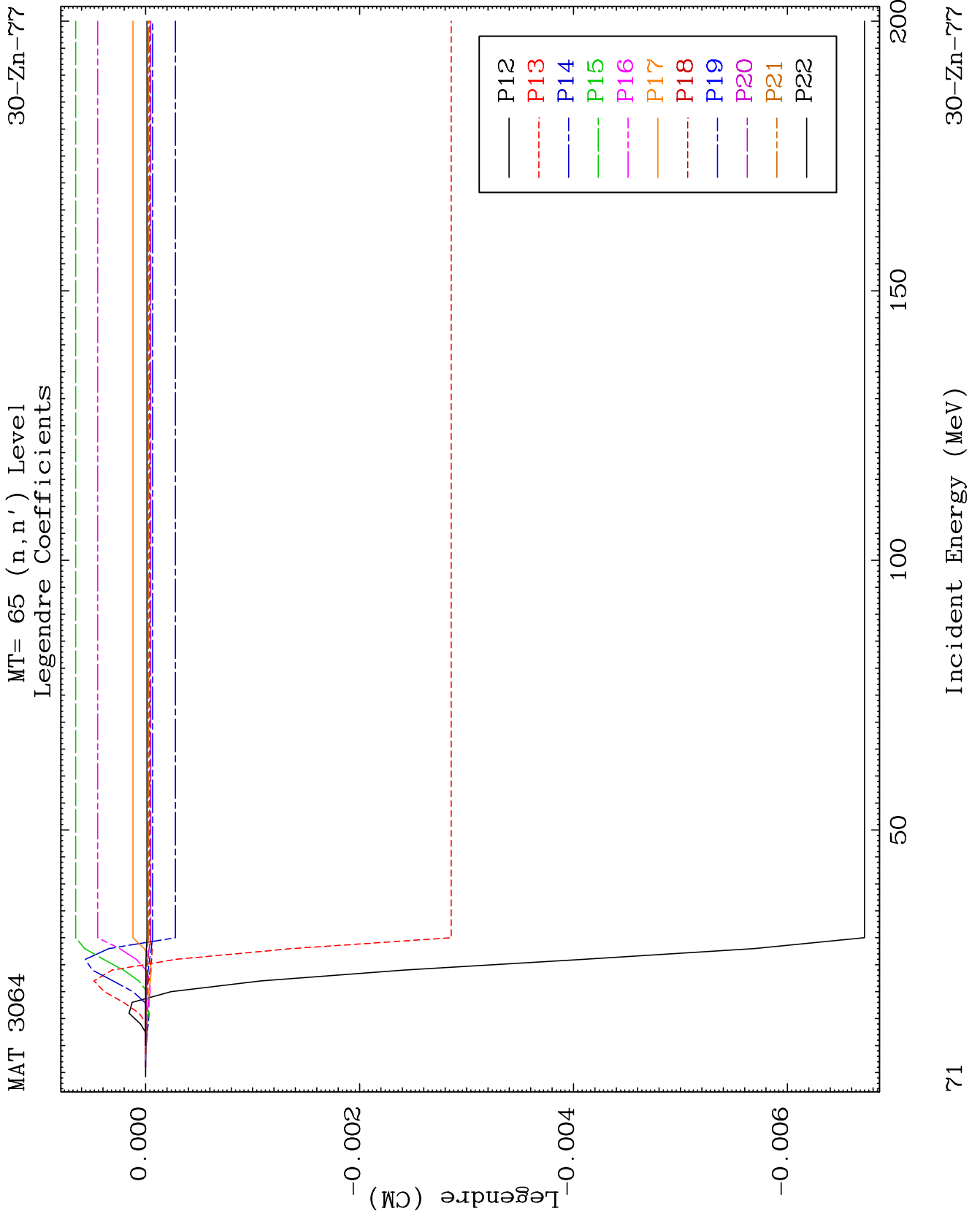


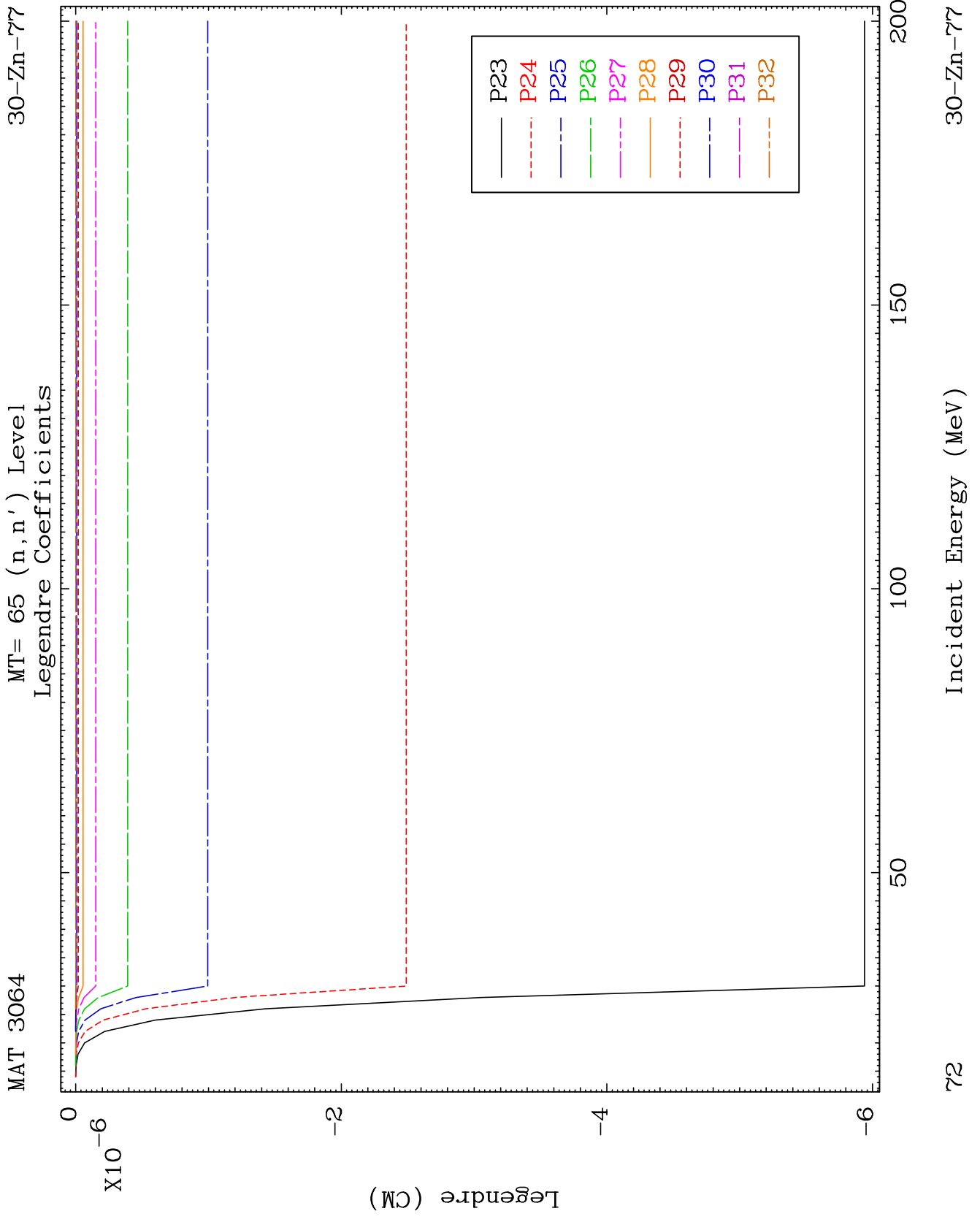
MAT 3064

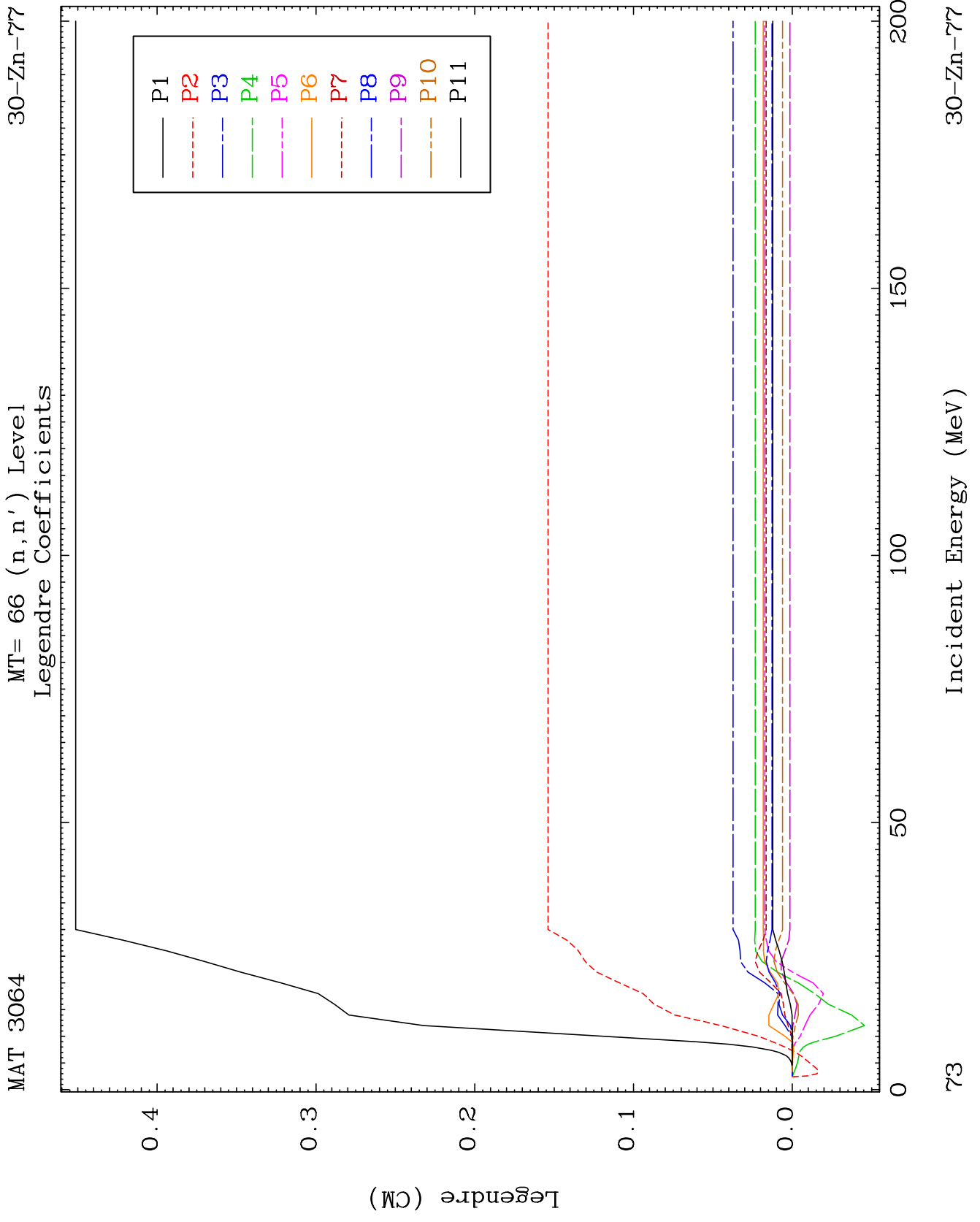
MT= 65 (n,n') Level
Legendre Coefficients

30-Zn-77





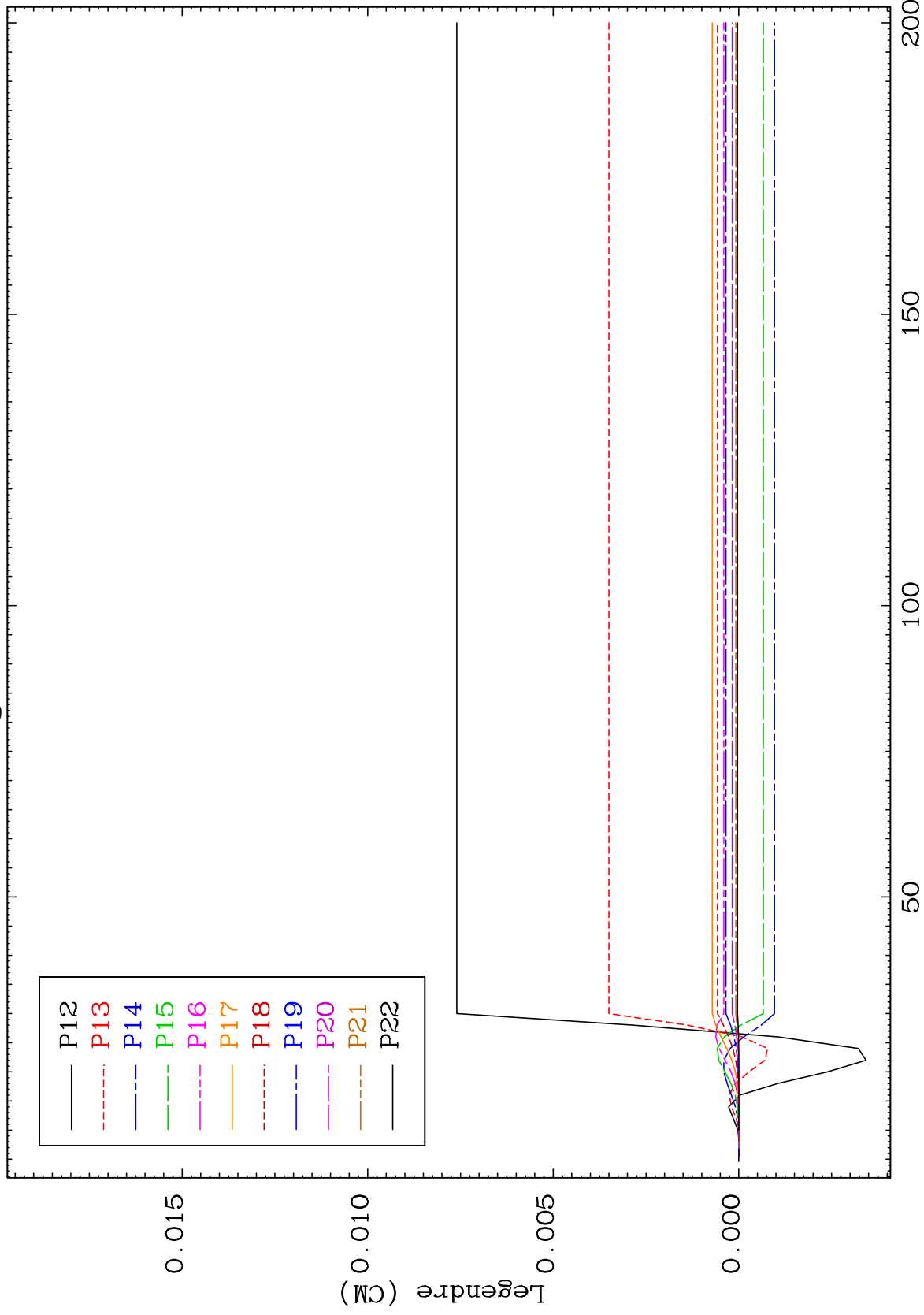




MAT 3064

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

30-Zn-77



74

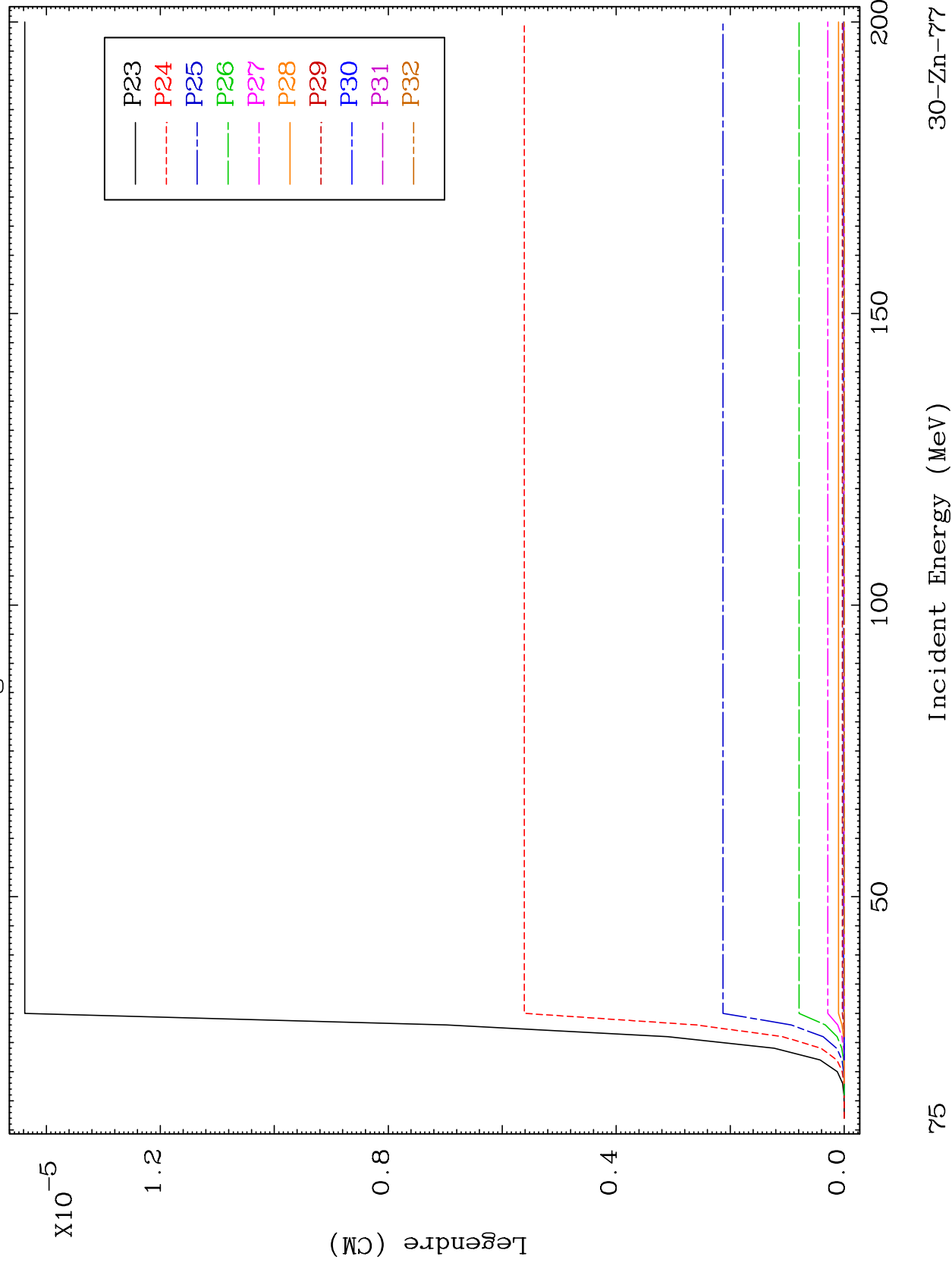
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



75

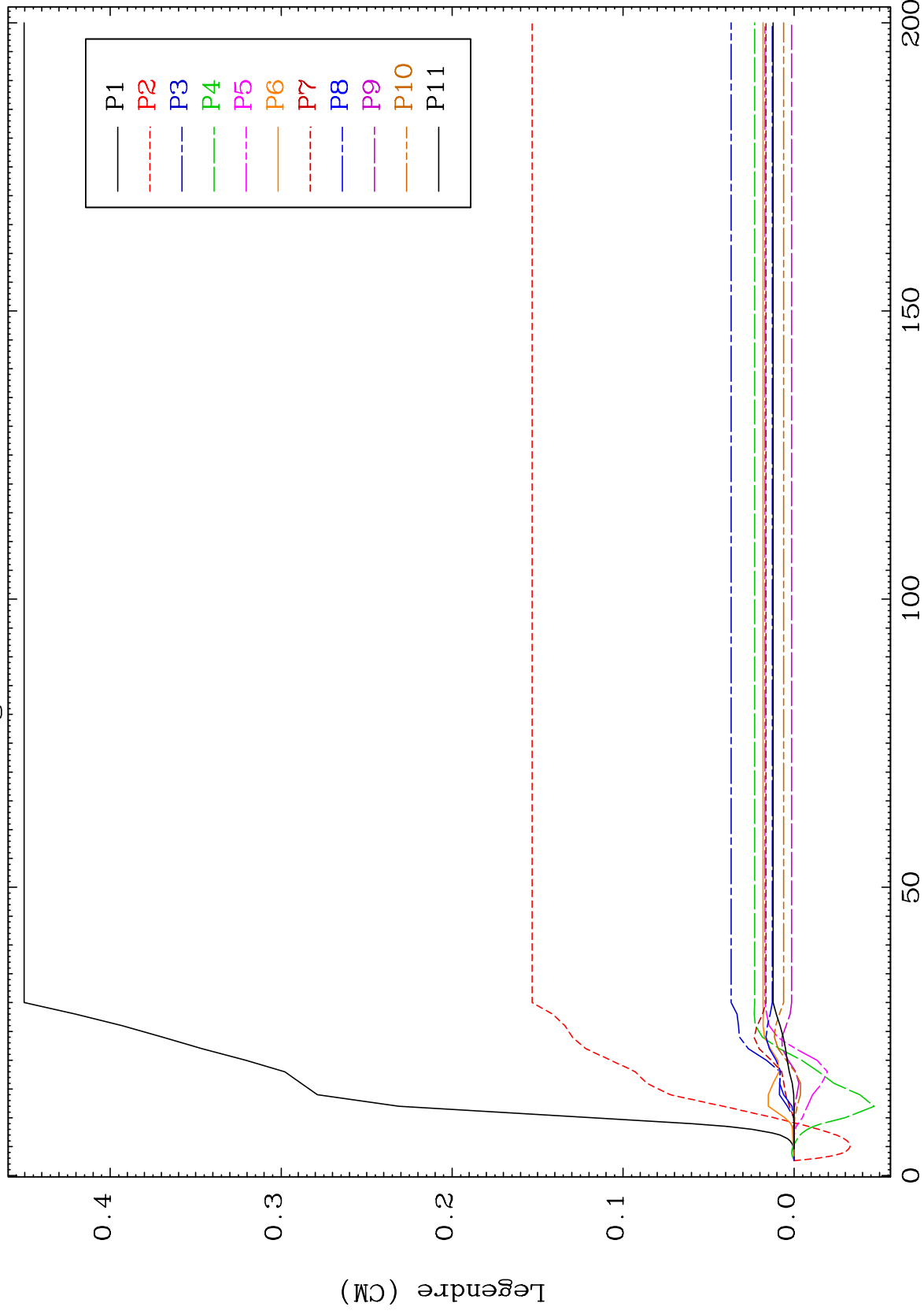
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



76

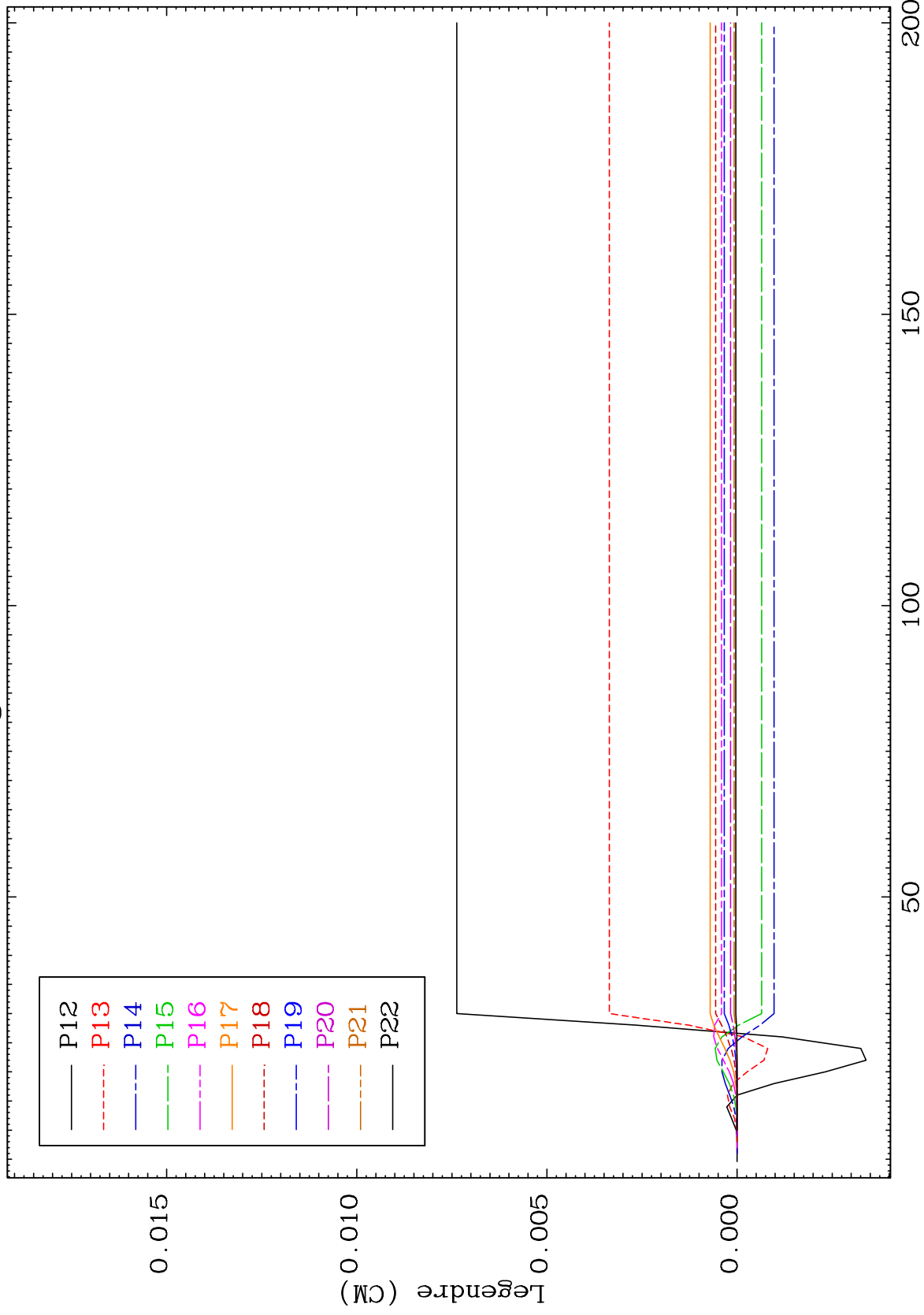
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

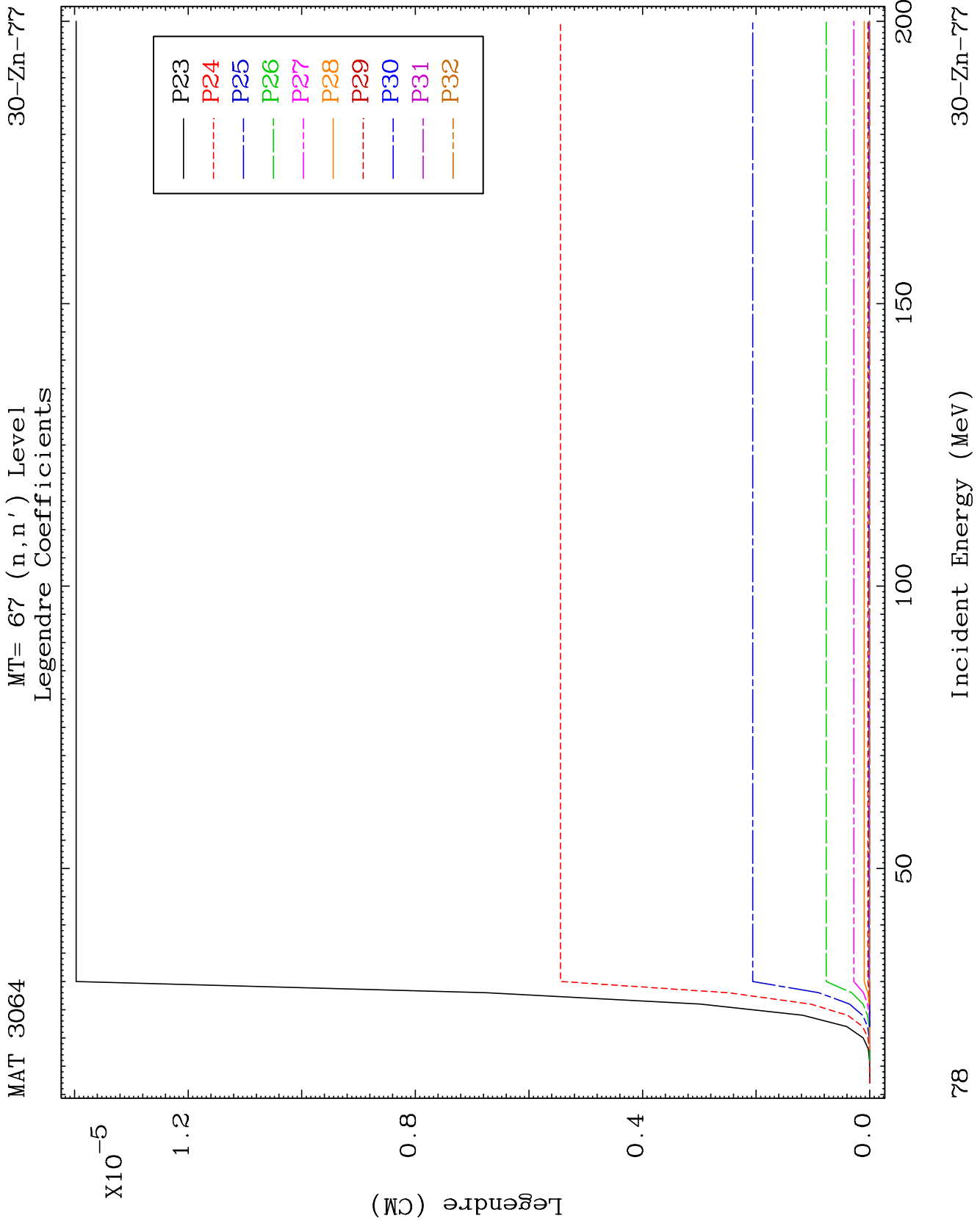
30-Zn-77



77

Incident Energy (MeV)

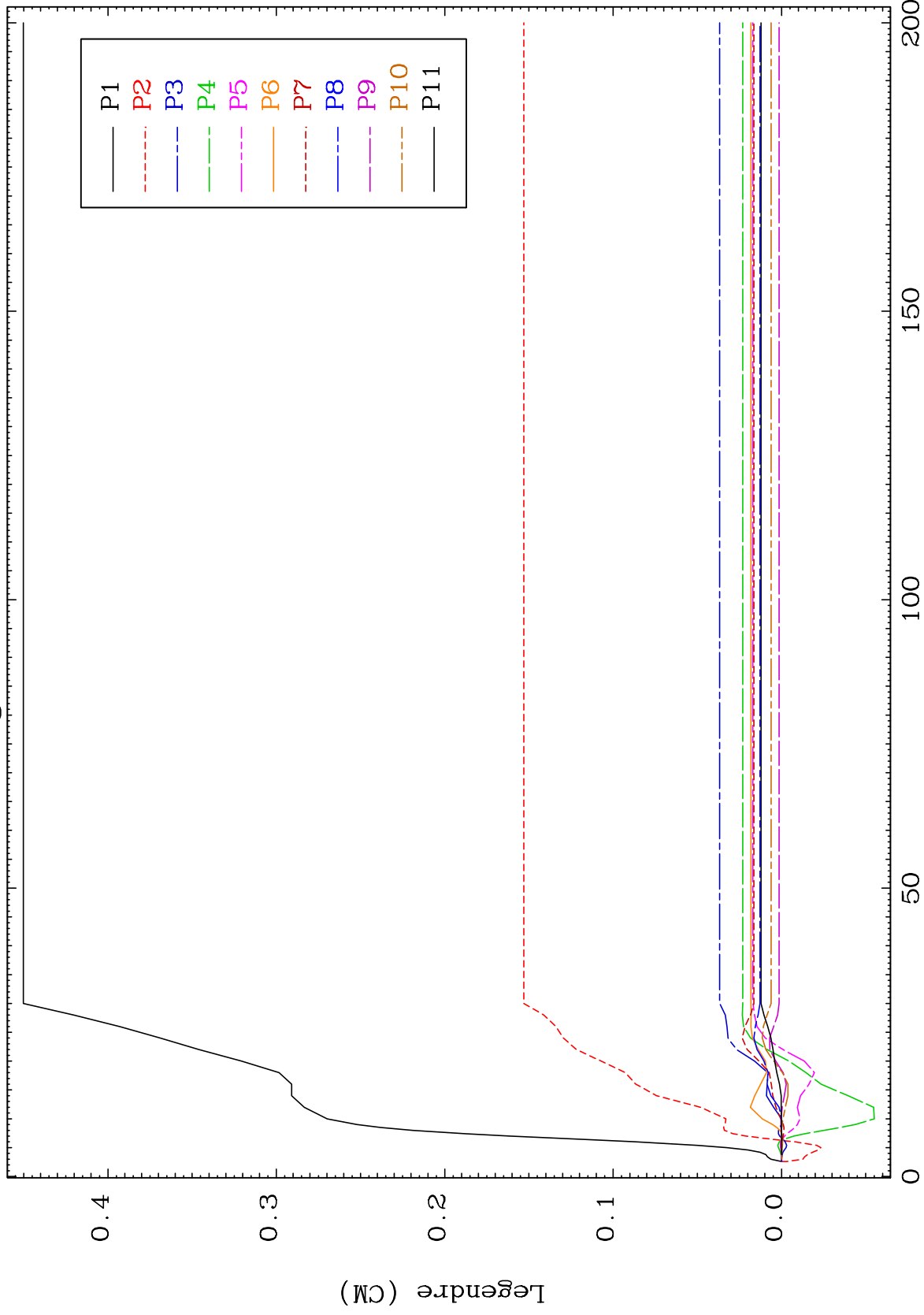
30-Zn-77



MAT 3064

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

30-Zn-77



79

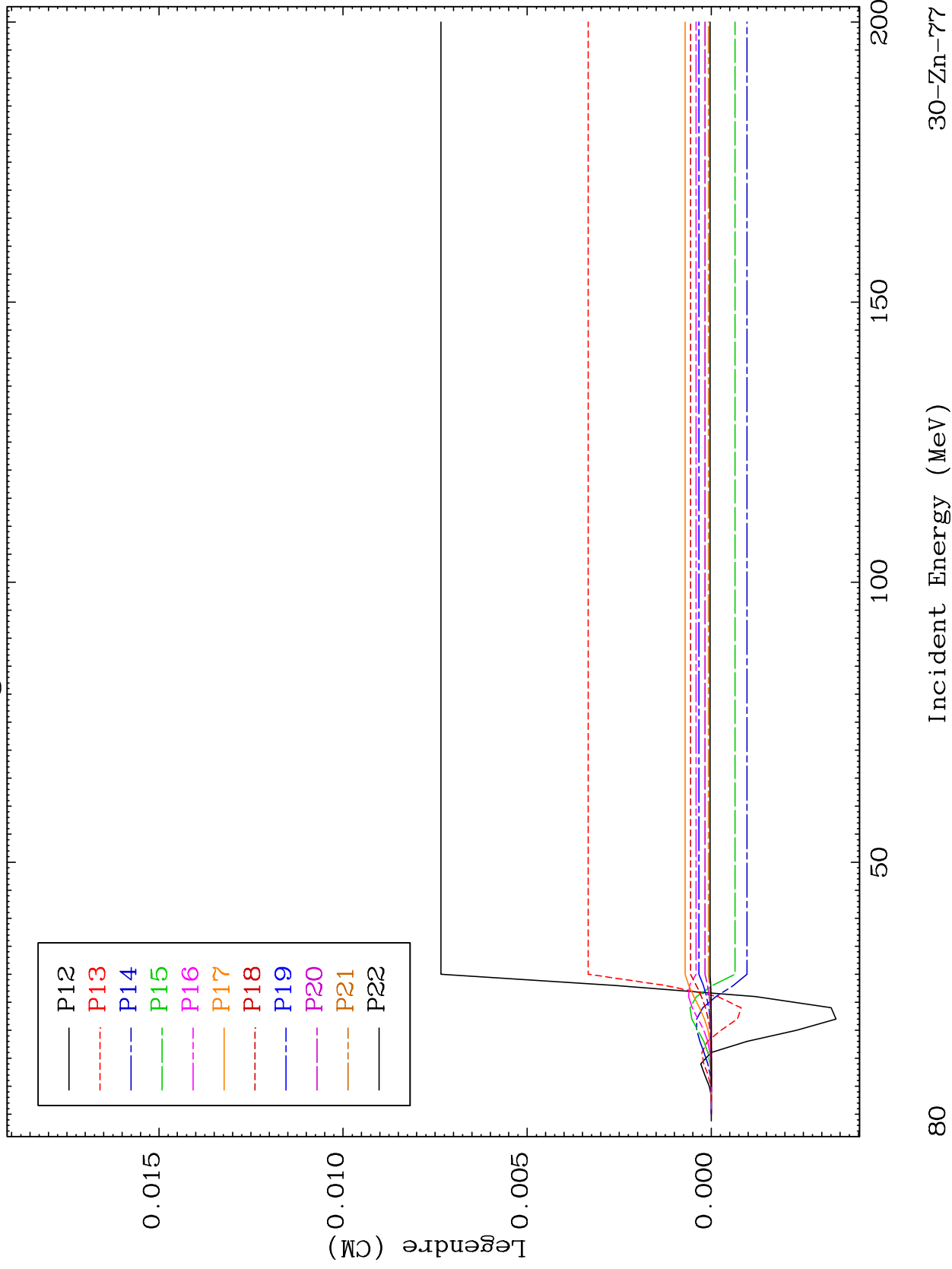
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



80

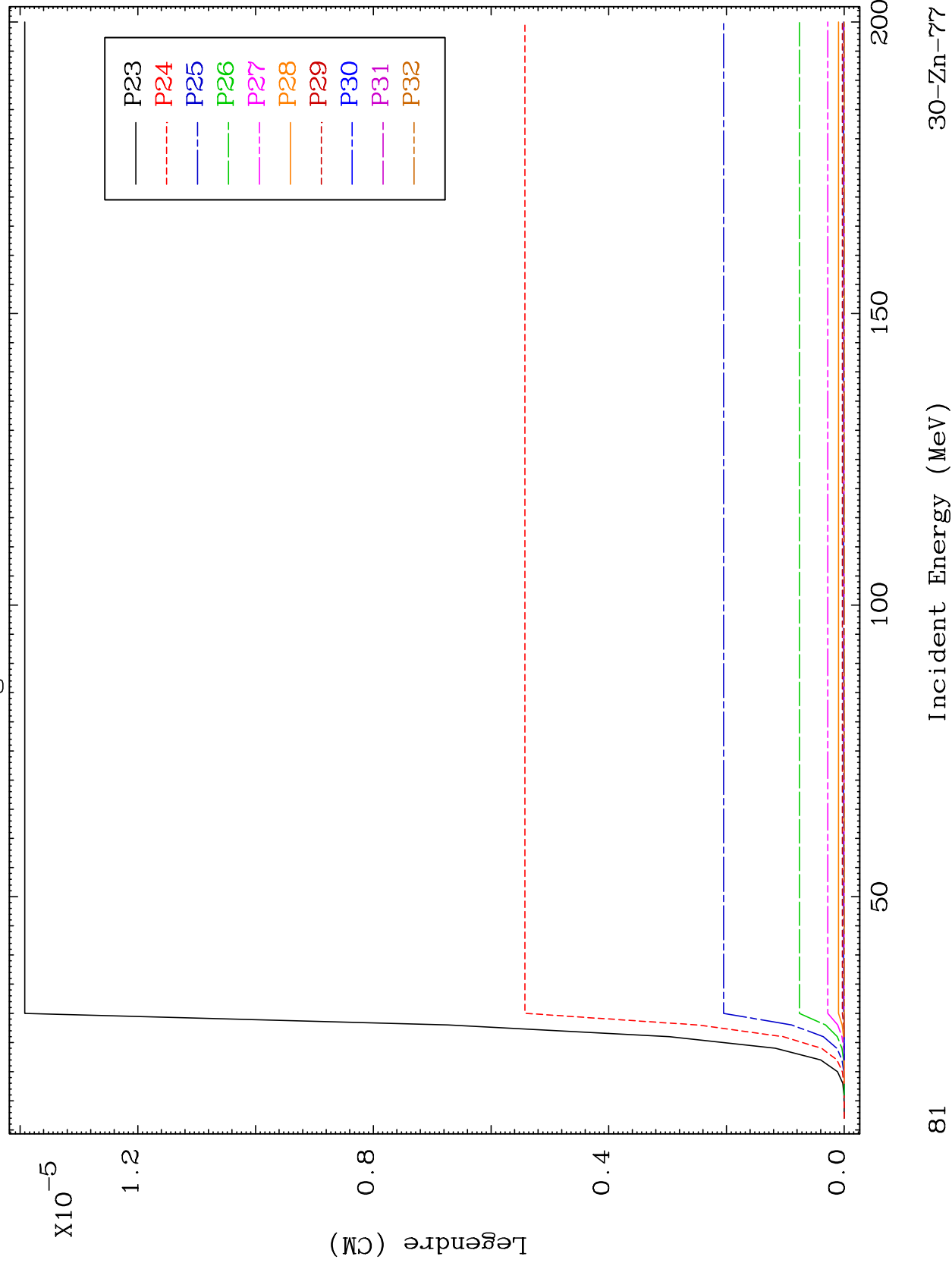
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



81

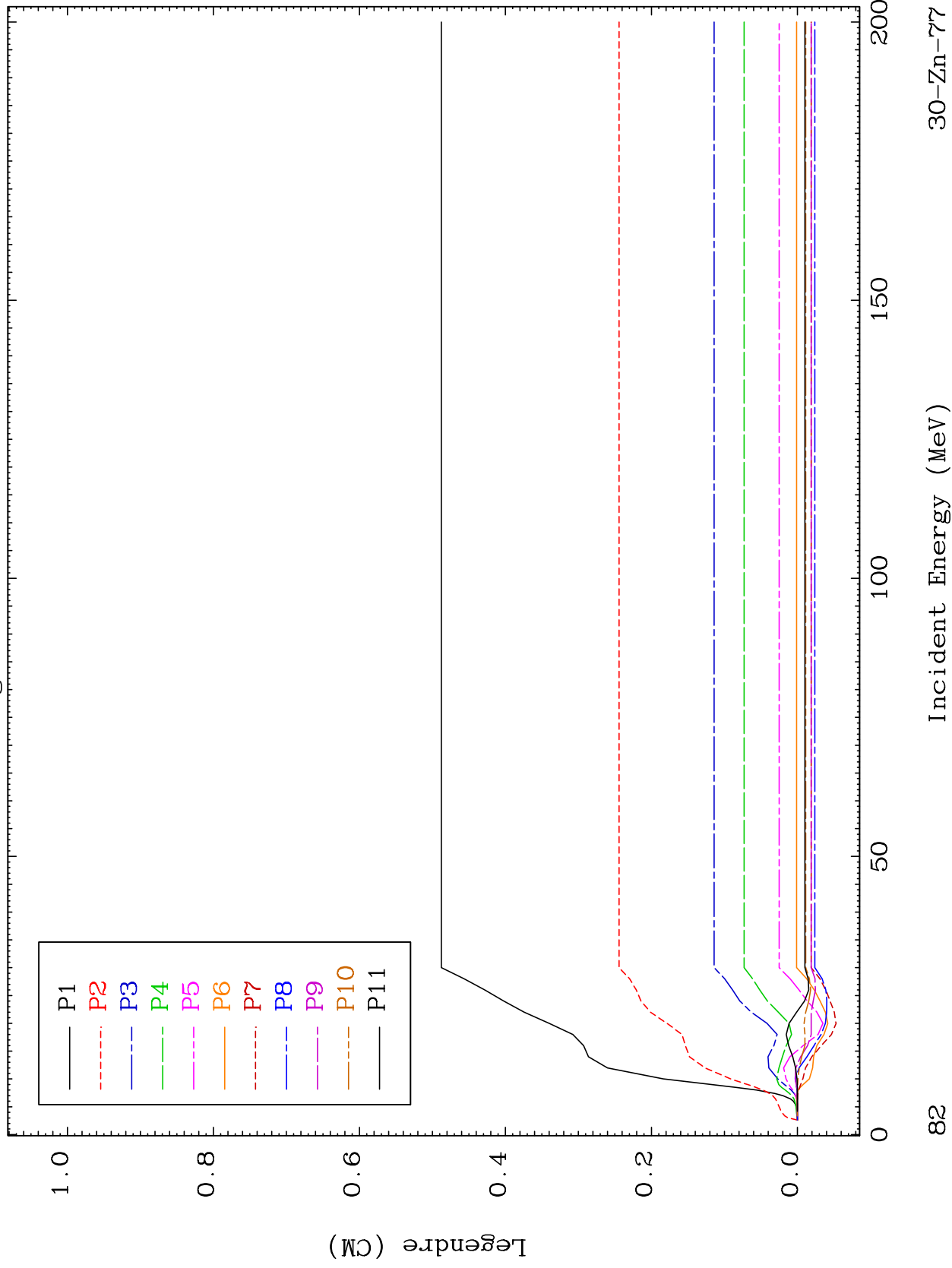
Incident Energy (MeV)

30-Zn-77

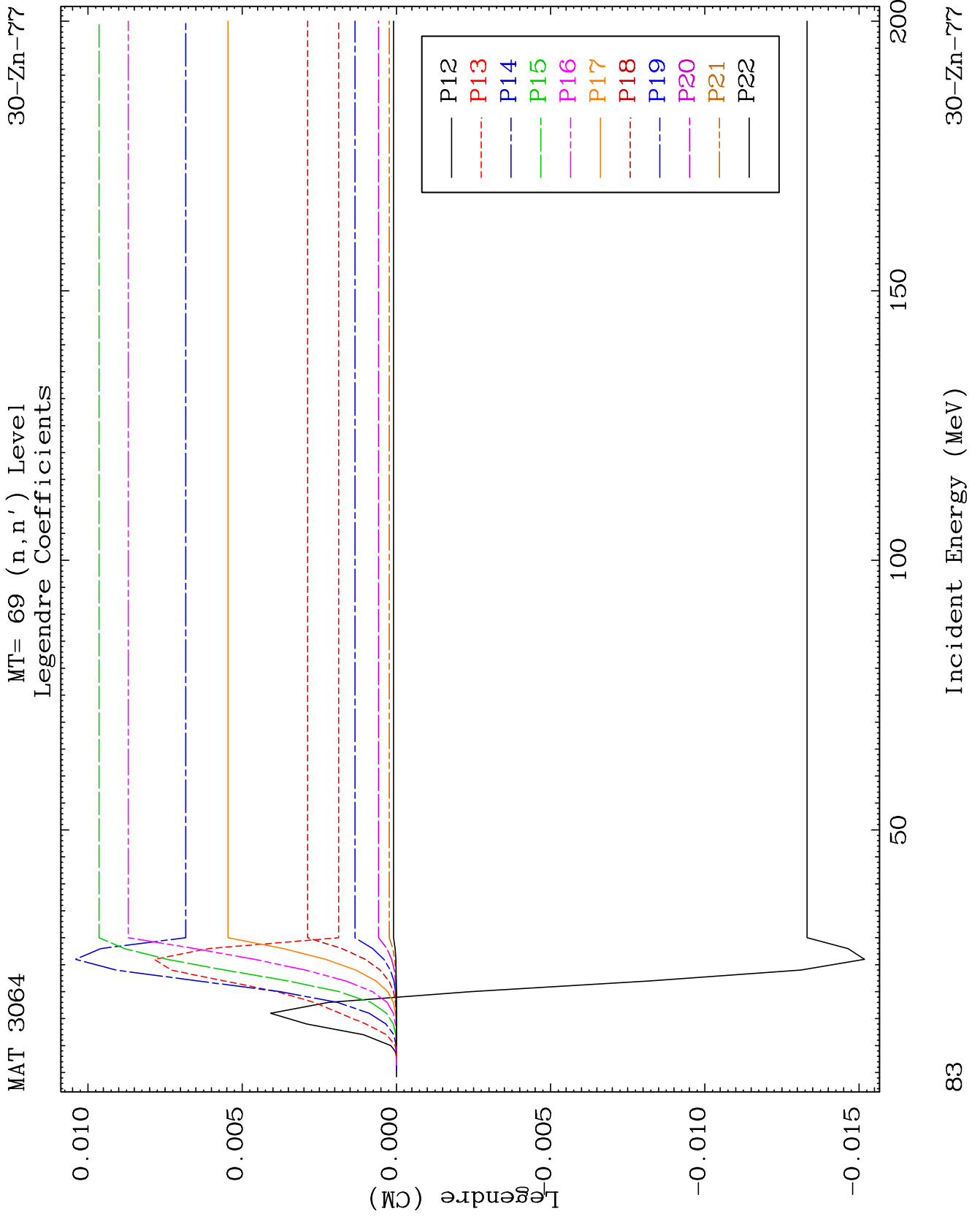
MAT 3064

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

30-Zn-77



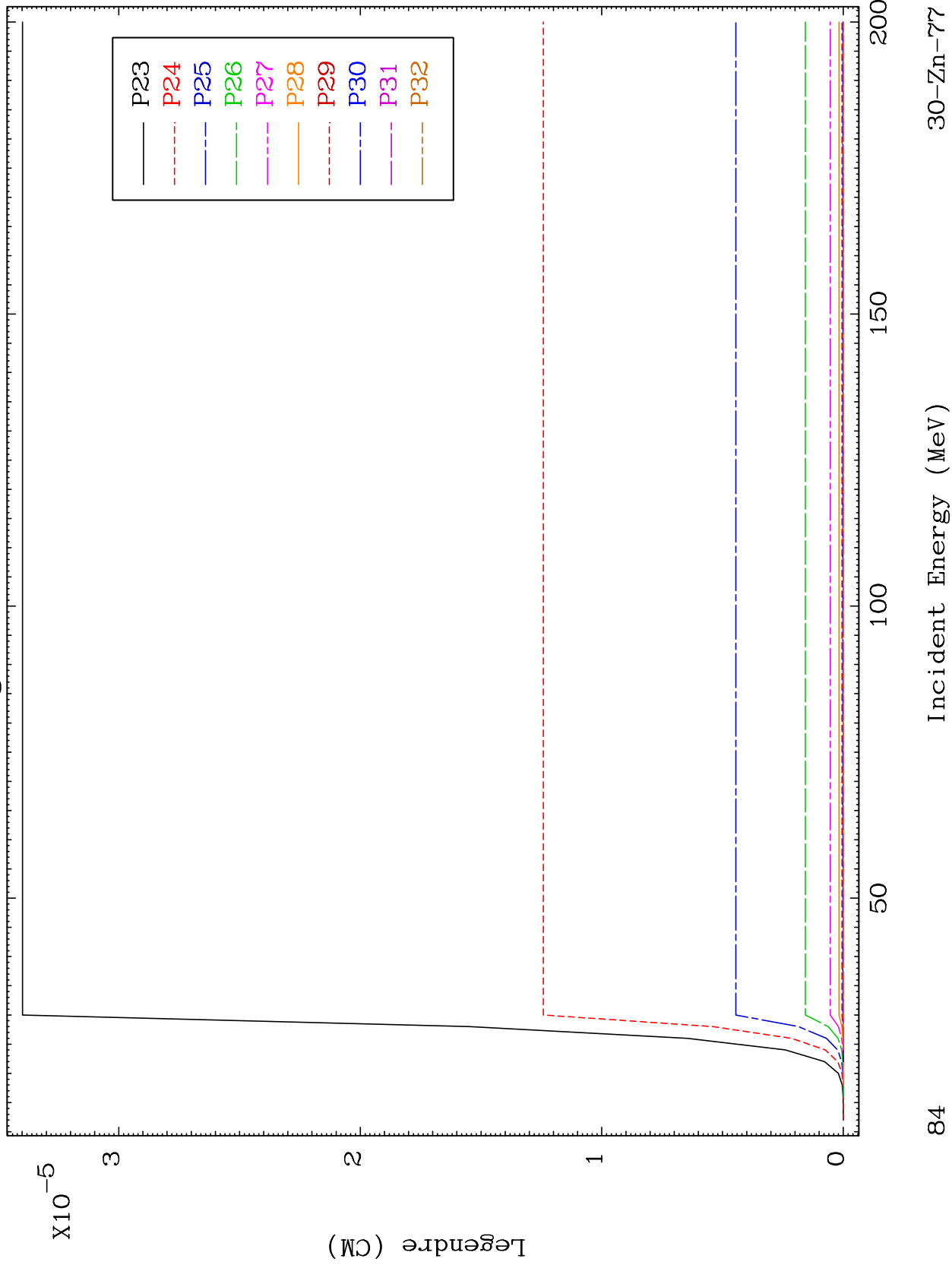
82



MAT 3064

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

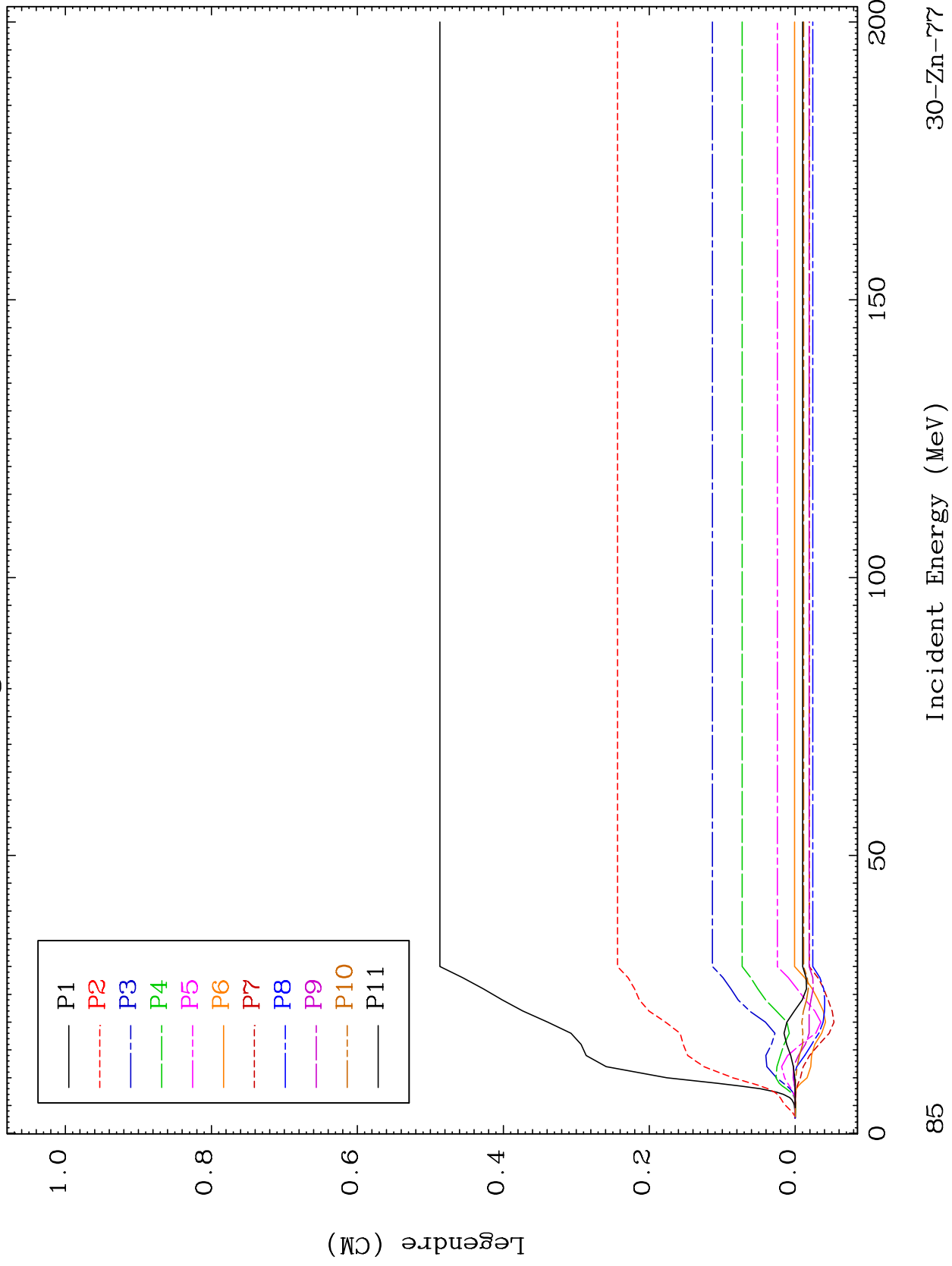
30-Zn-77



MAT 3064

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

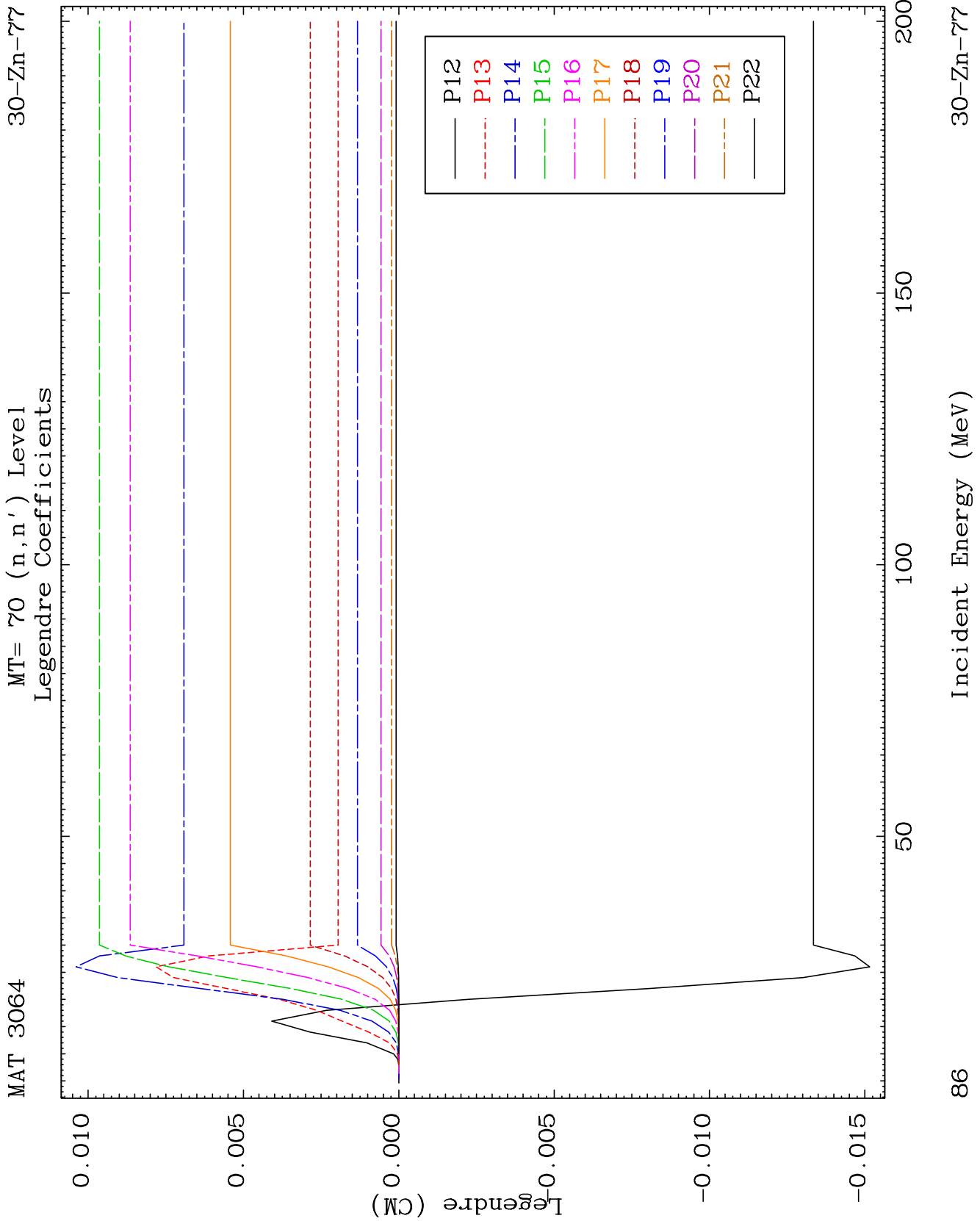
30-Zn-77

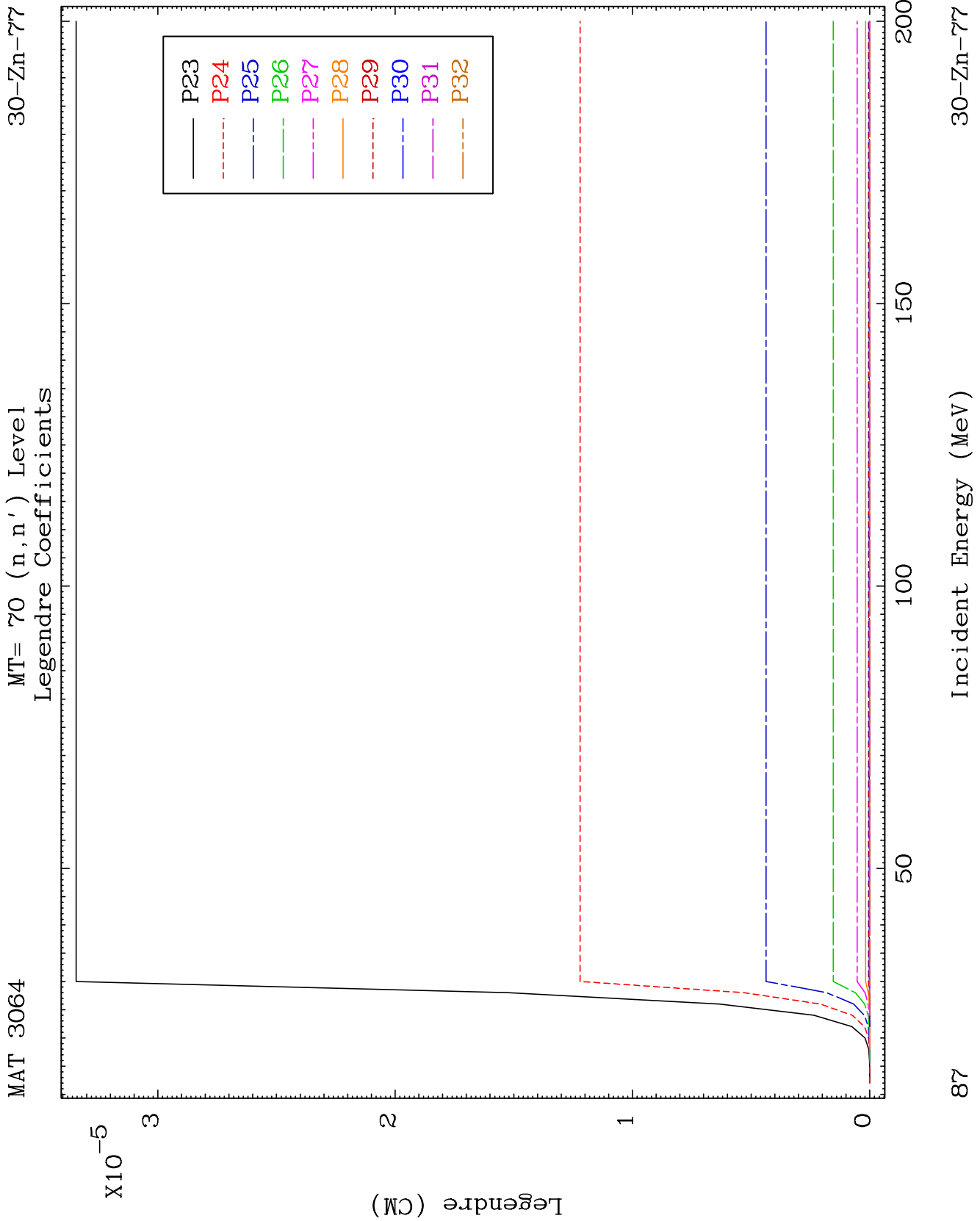


30-Zn-77

Incident Energy (MeV)

85

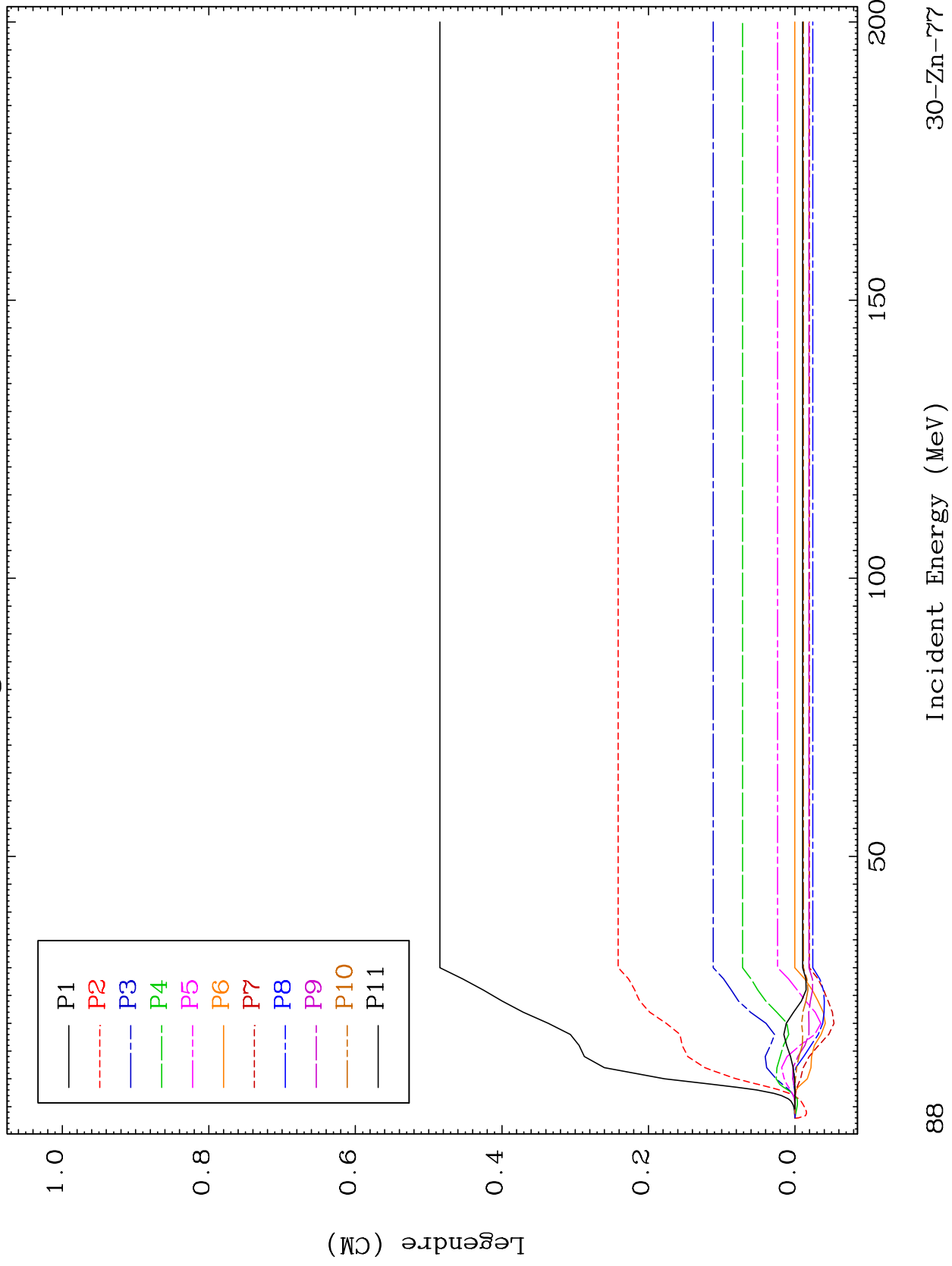




MAT 3064

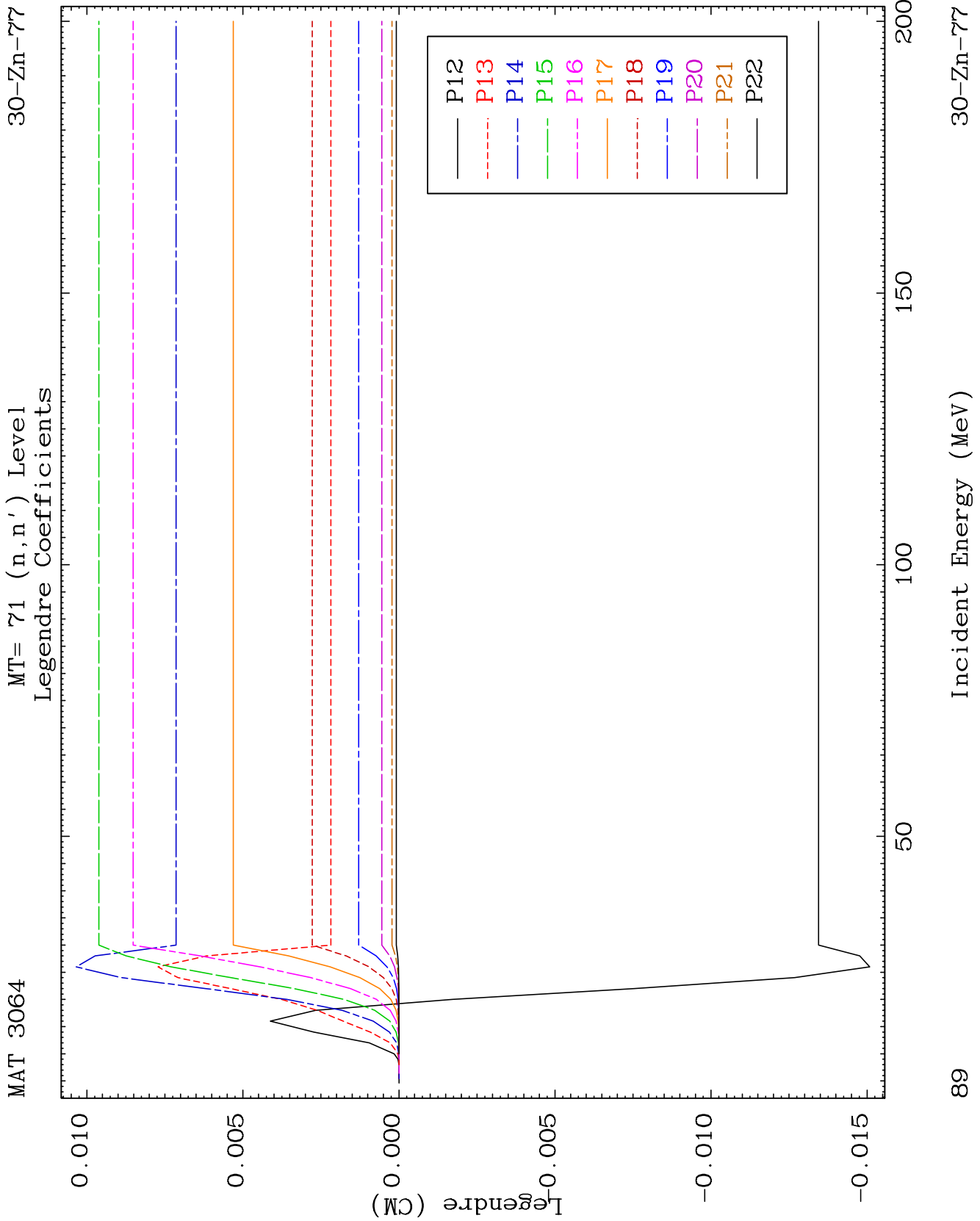
MT= 71 (n,n') Level
Legendre Coefficients

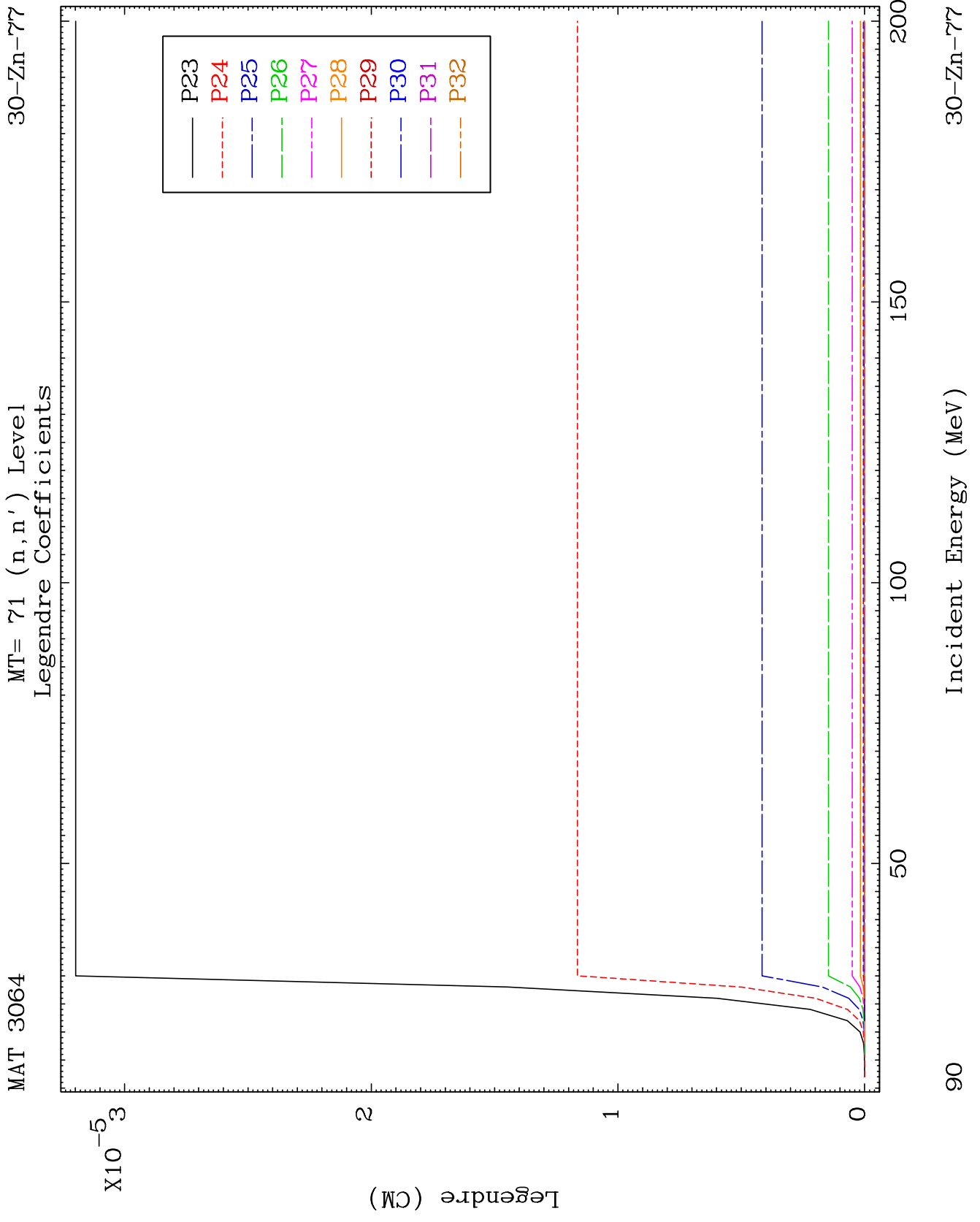
30-Zn-77



88

30-Zn-77

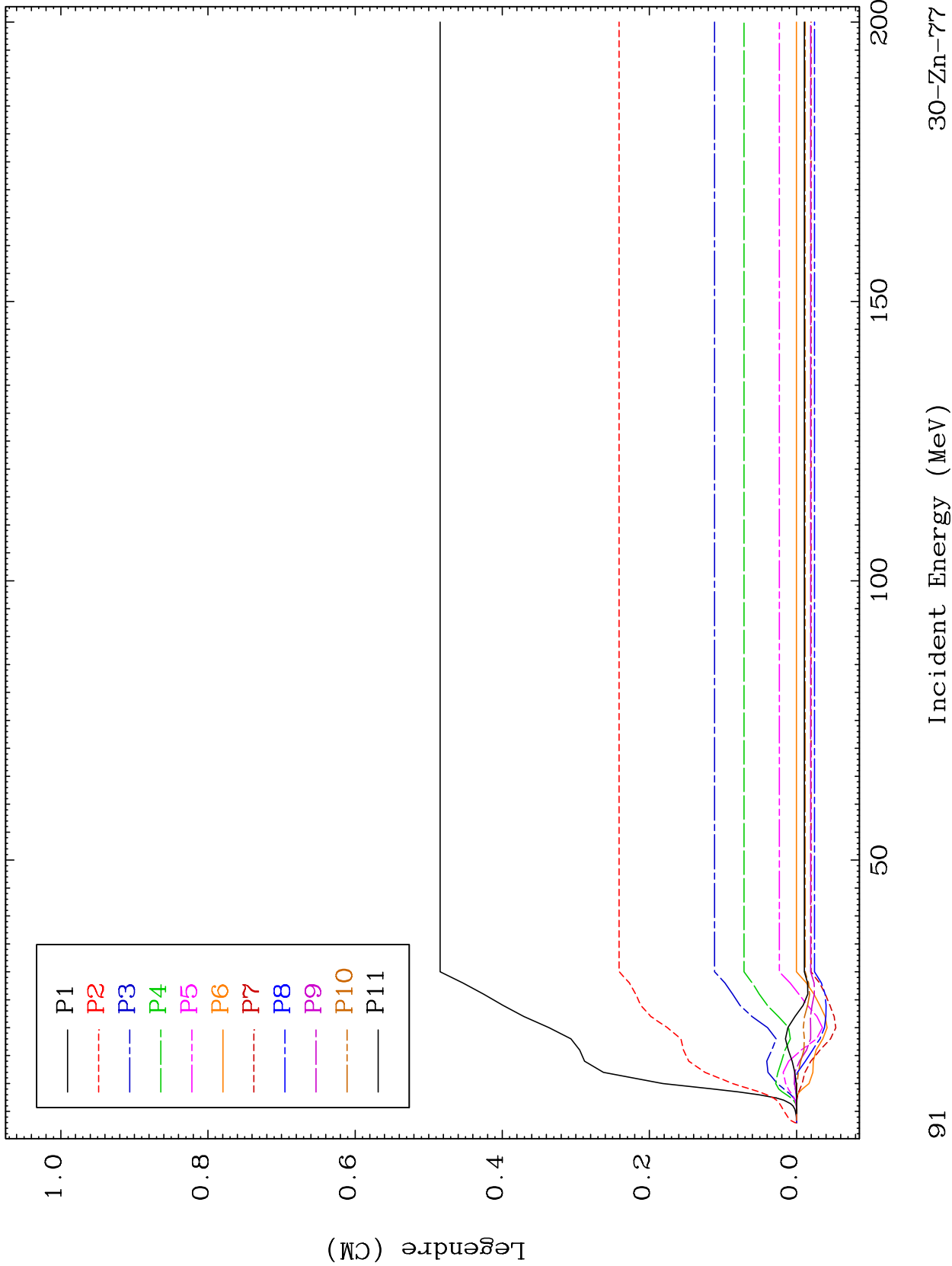


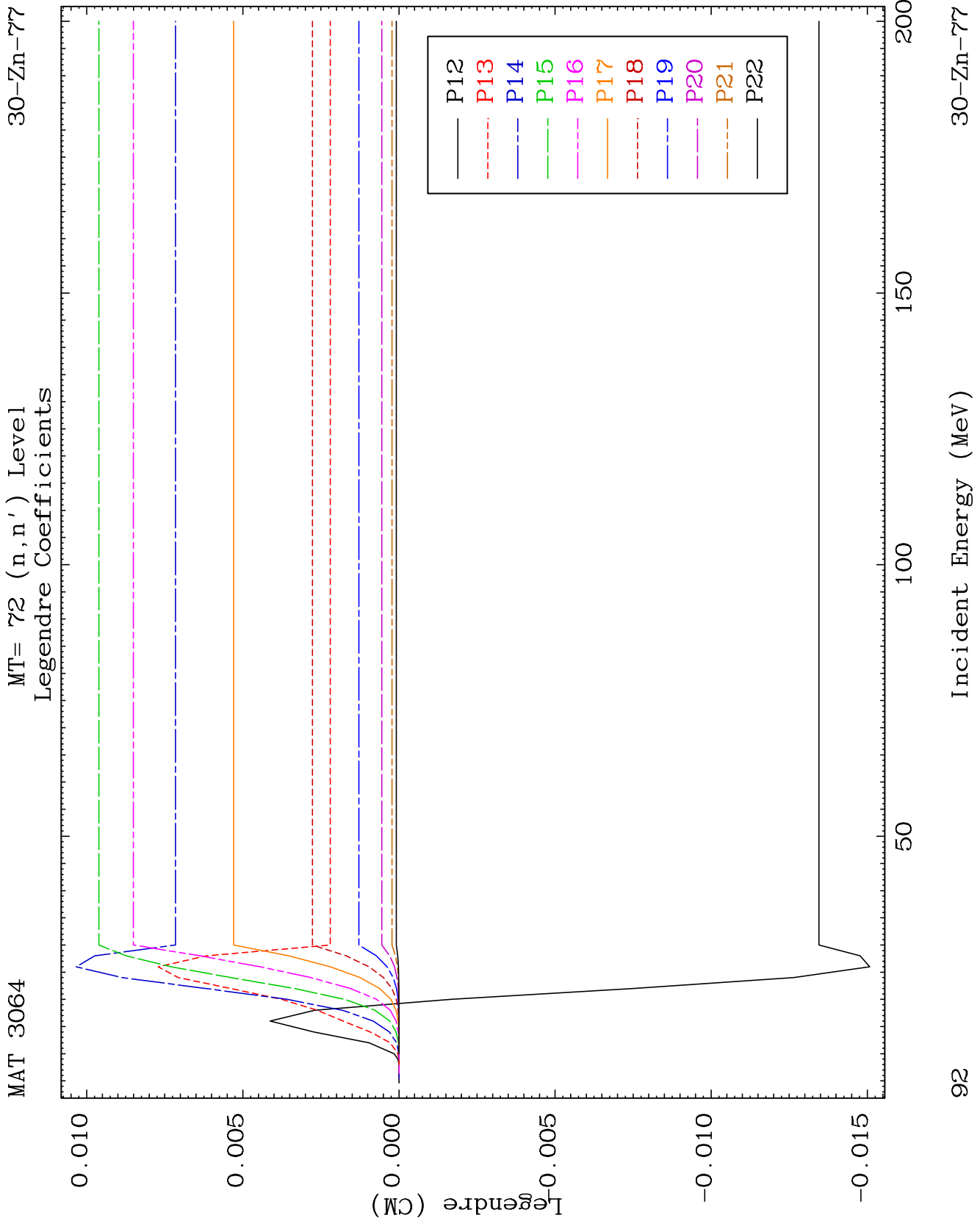


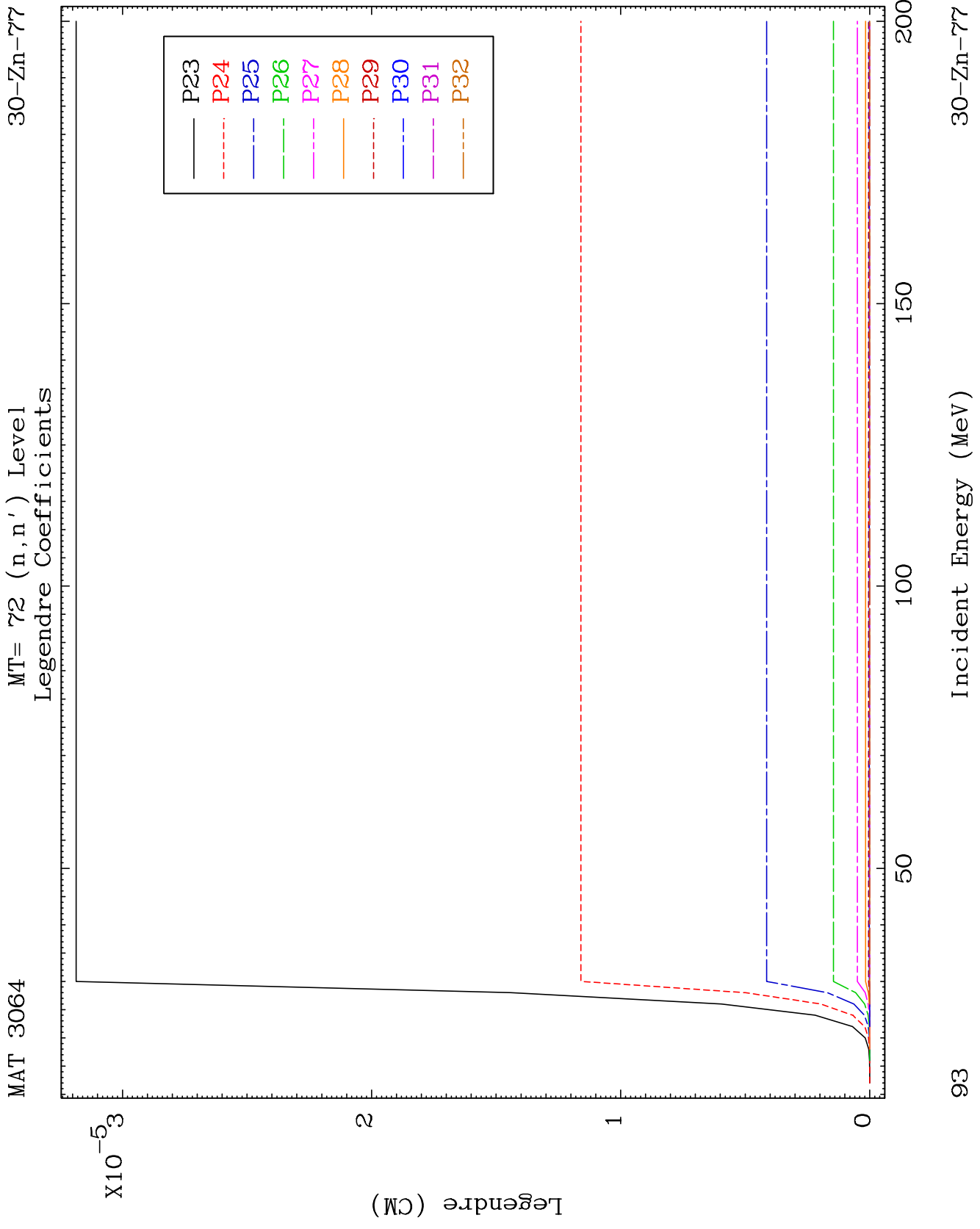
MAT 3064

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

30-Zn-77



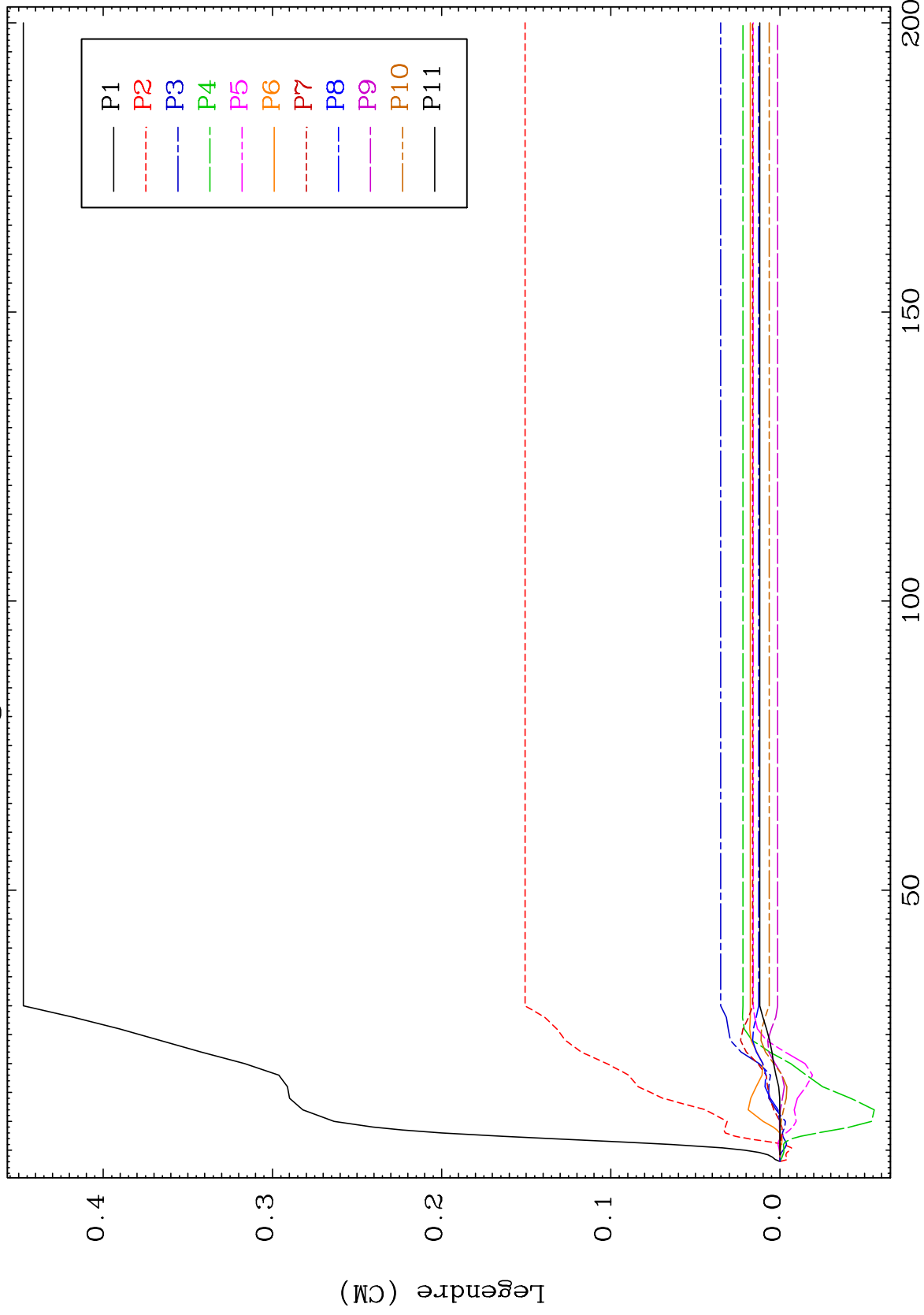




MAT 3064

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

30-Zn-77



94

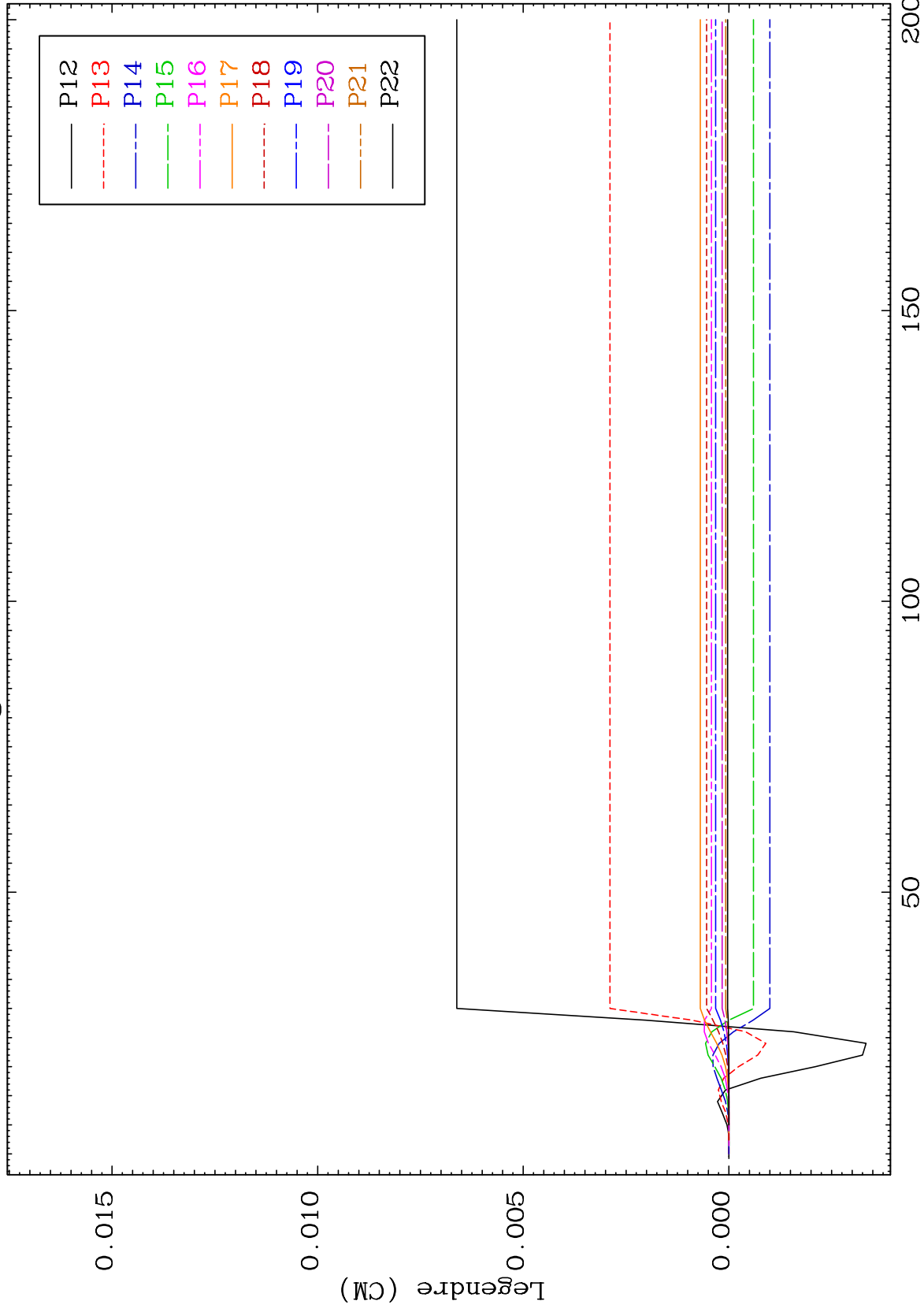
Incident Energy (MeV)

30-Zn-77

MAT 3064

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

30-Zn-77



95

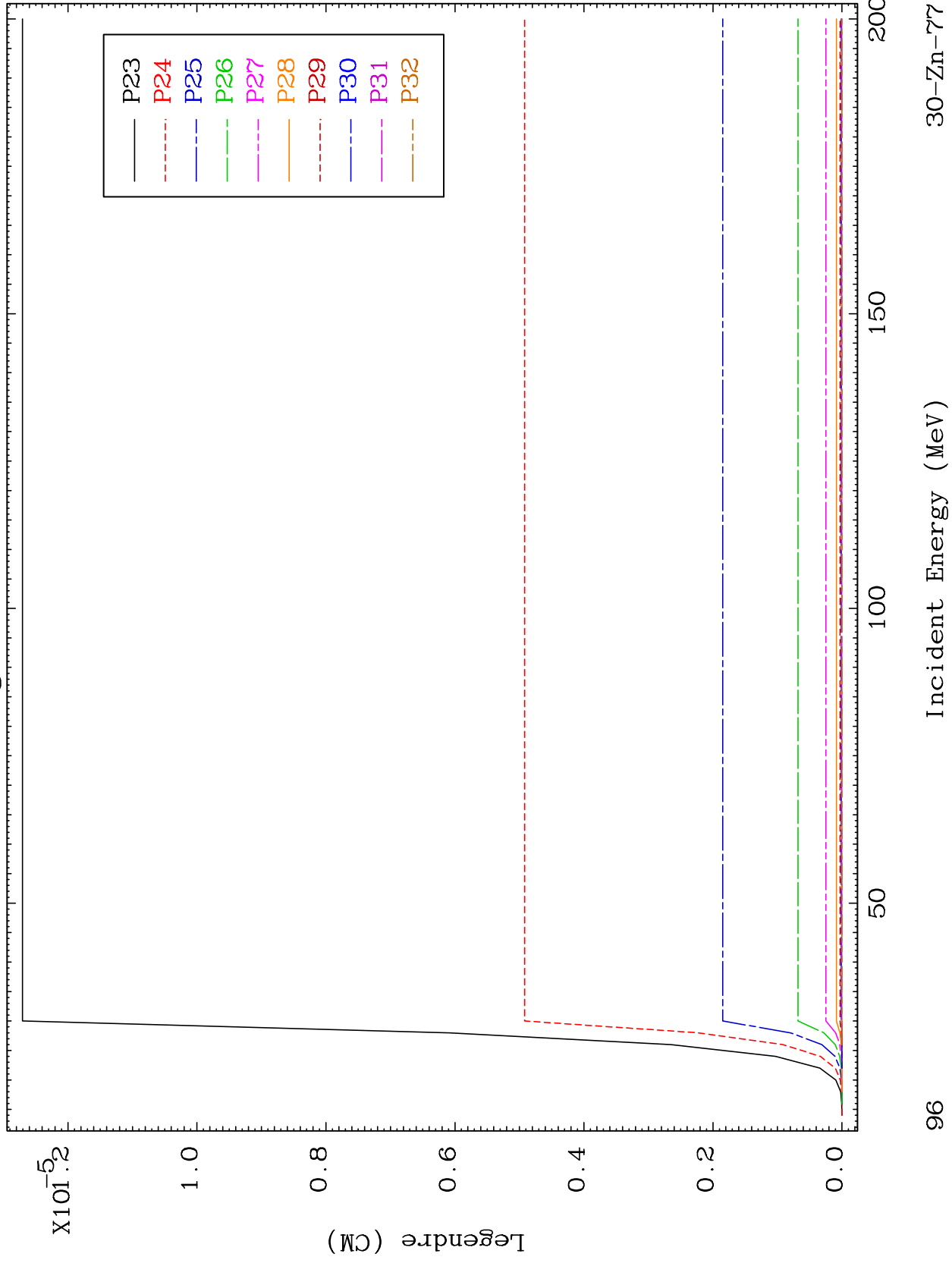
Incident Energy (MeV)

30-Zn-77

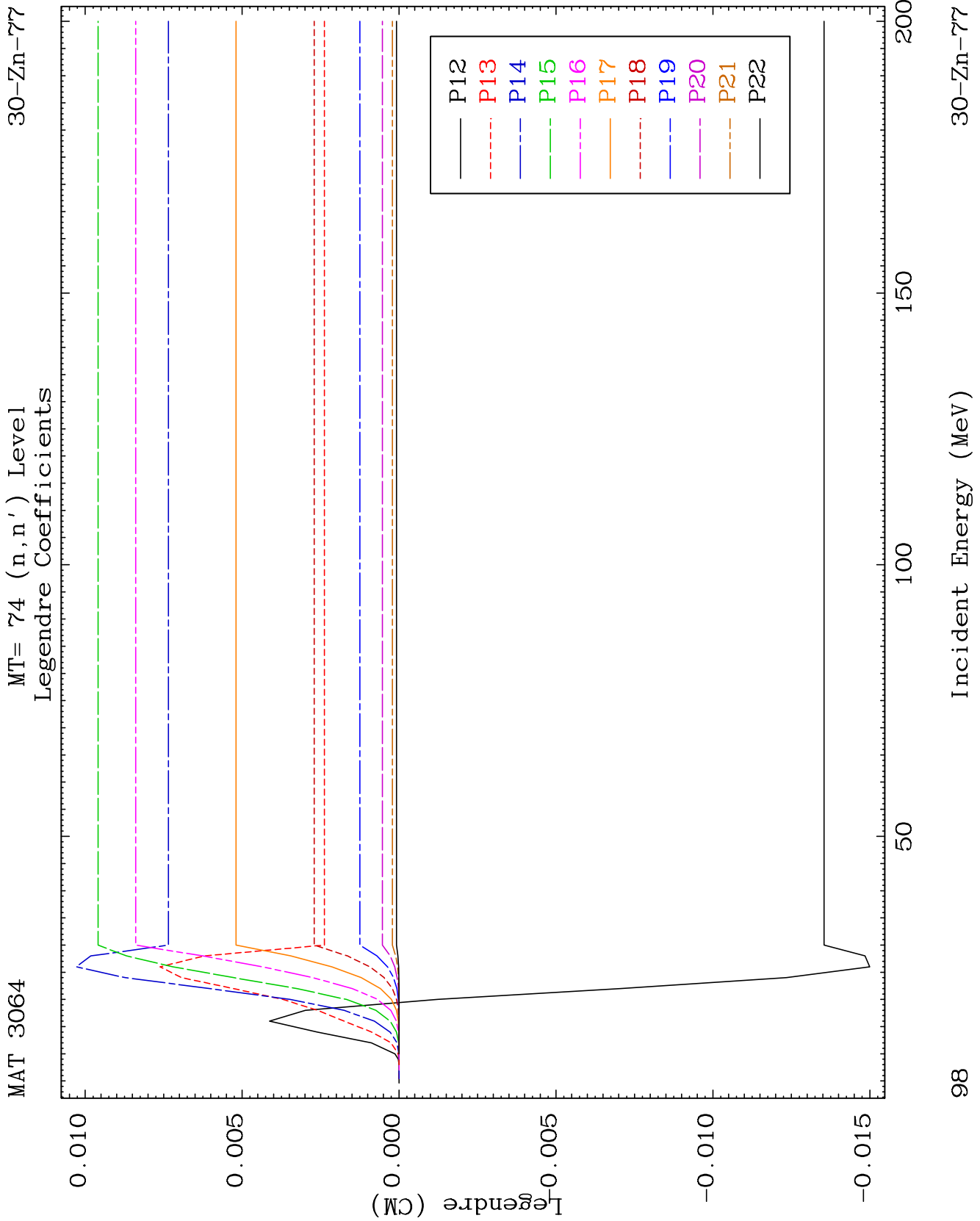
MAT 3064

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

30-Zn-77



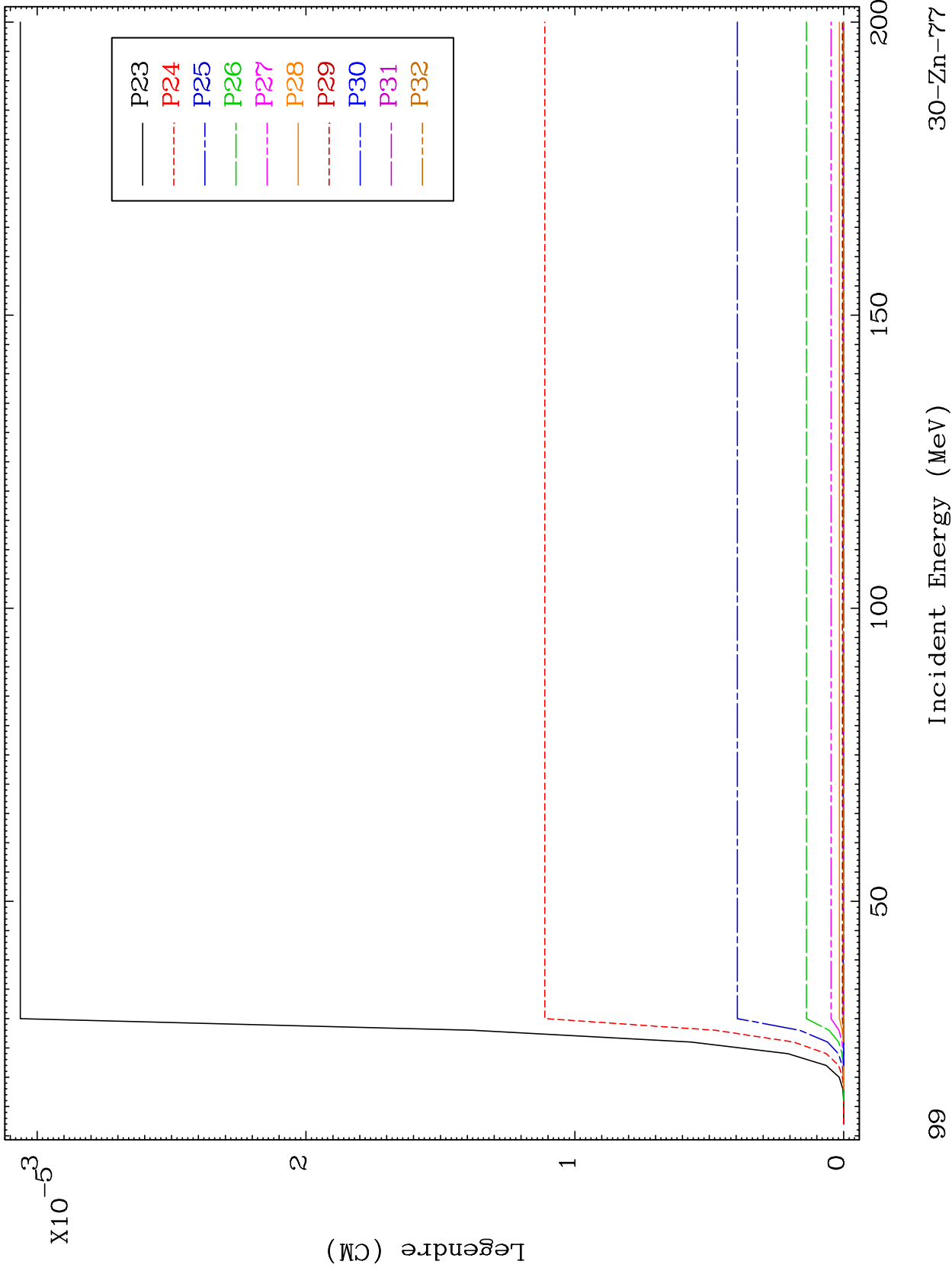
96

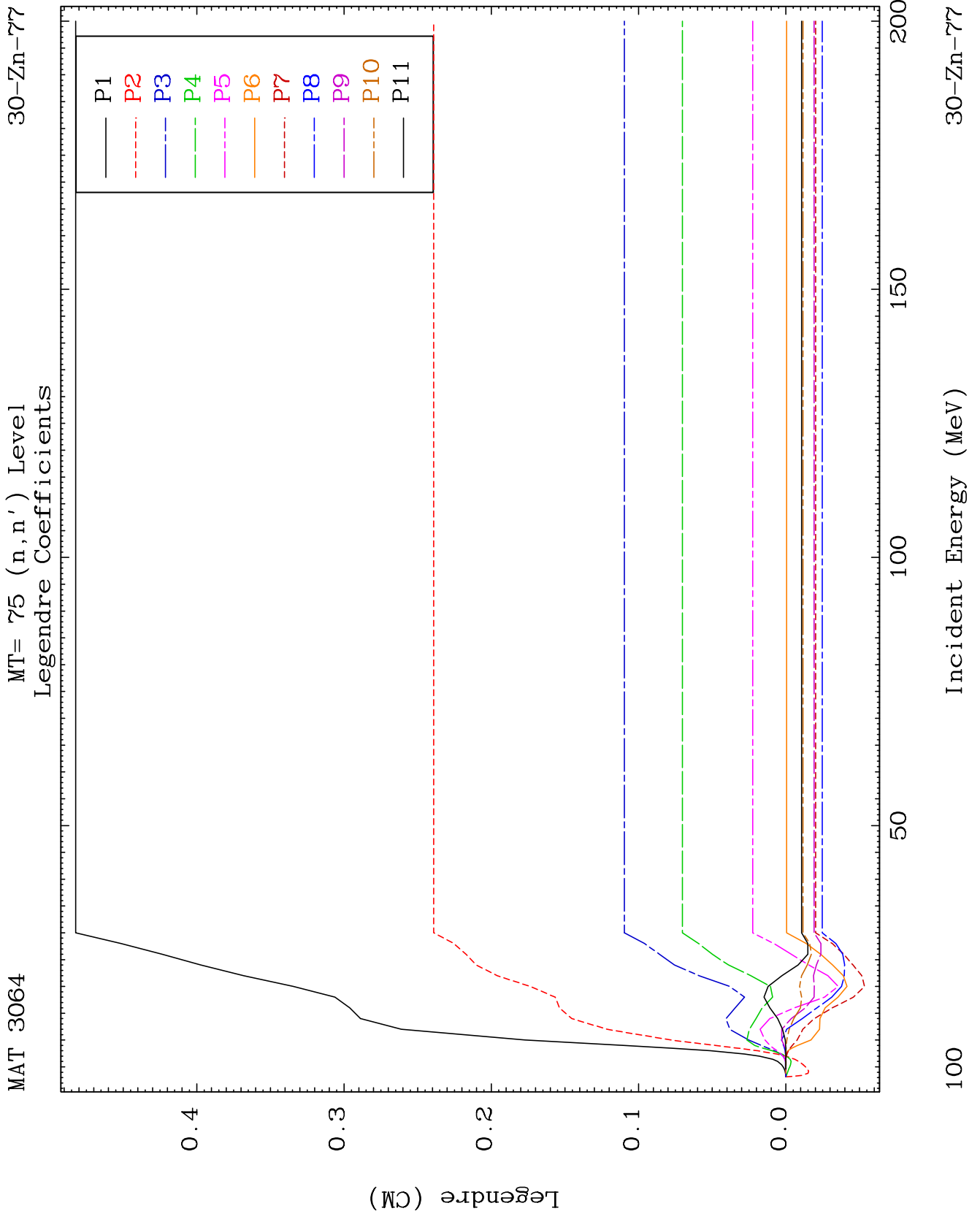


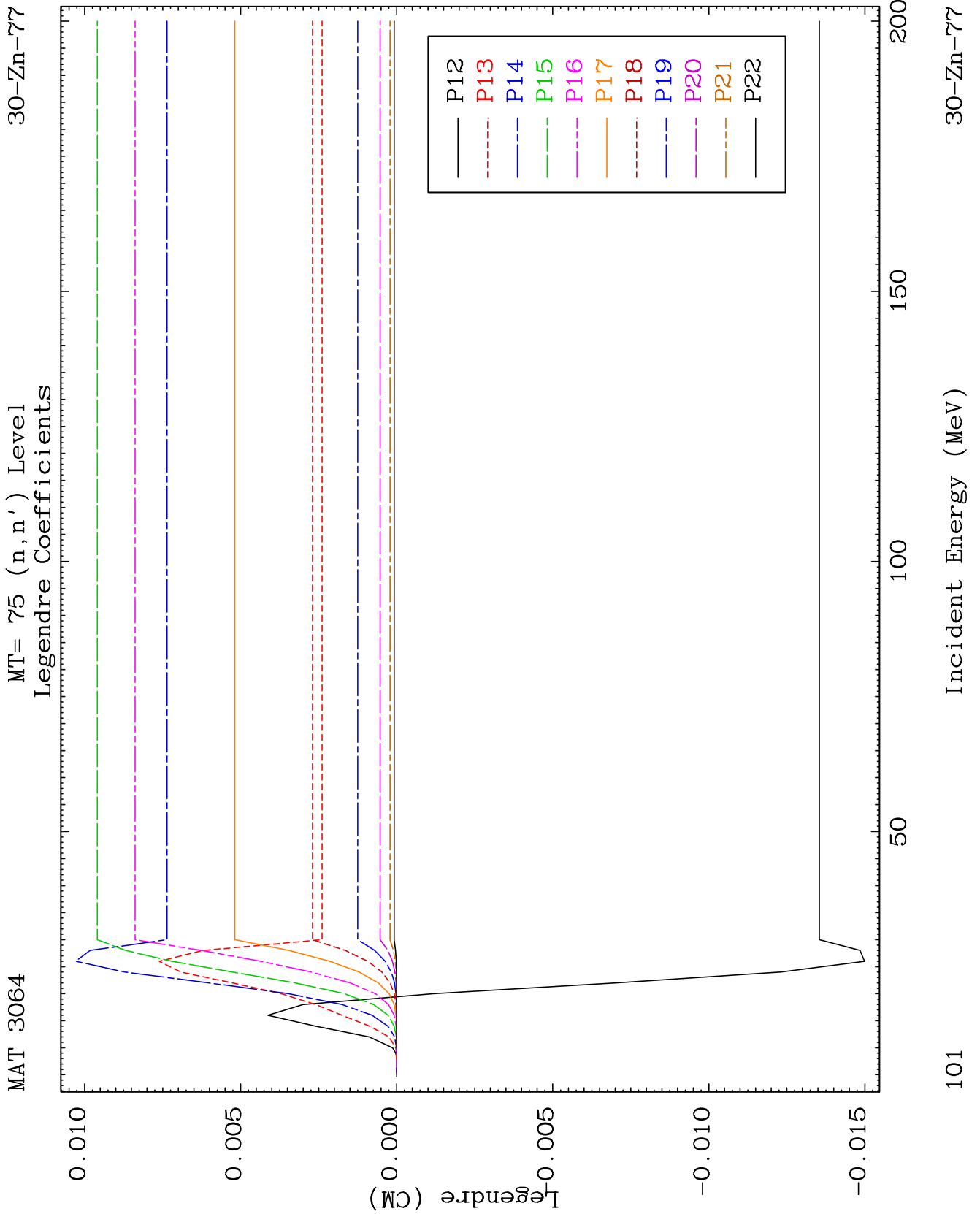
MAT 3064

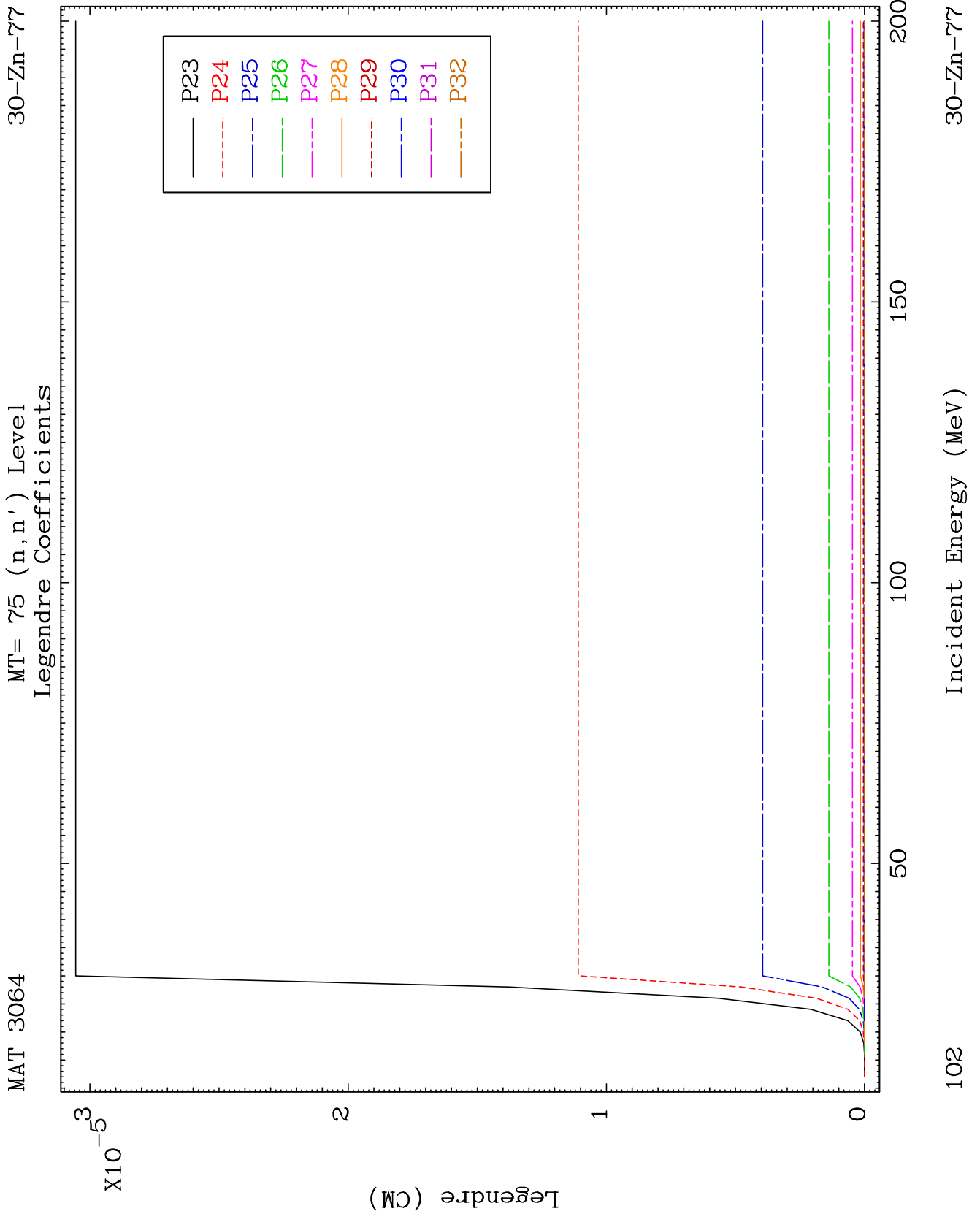
MT= 74 (n,n') Level
Legendre Coefficients

30-Zn-77





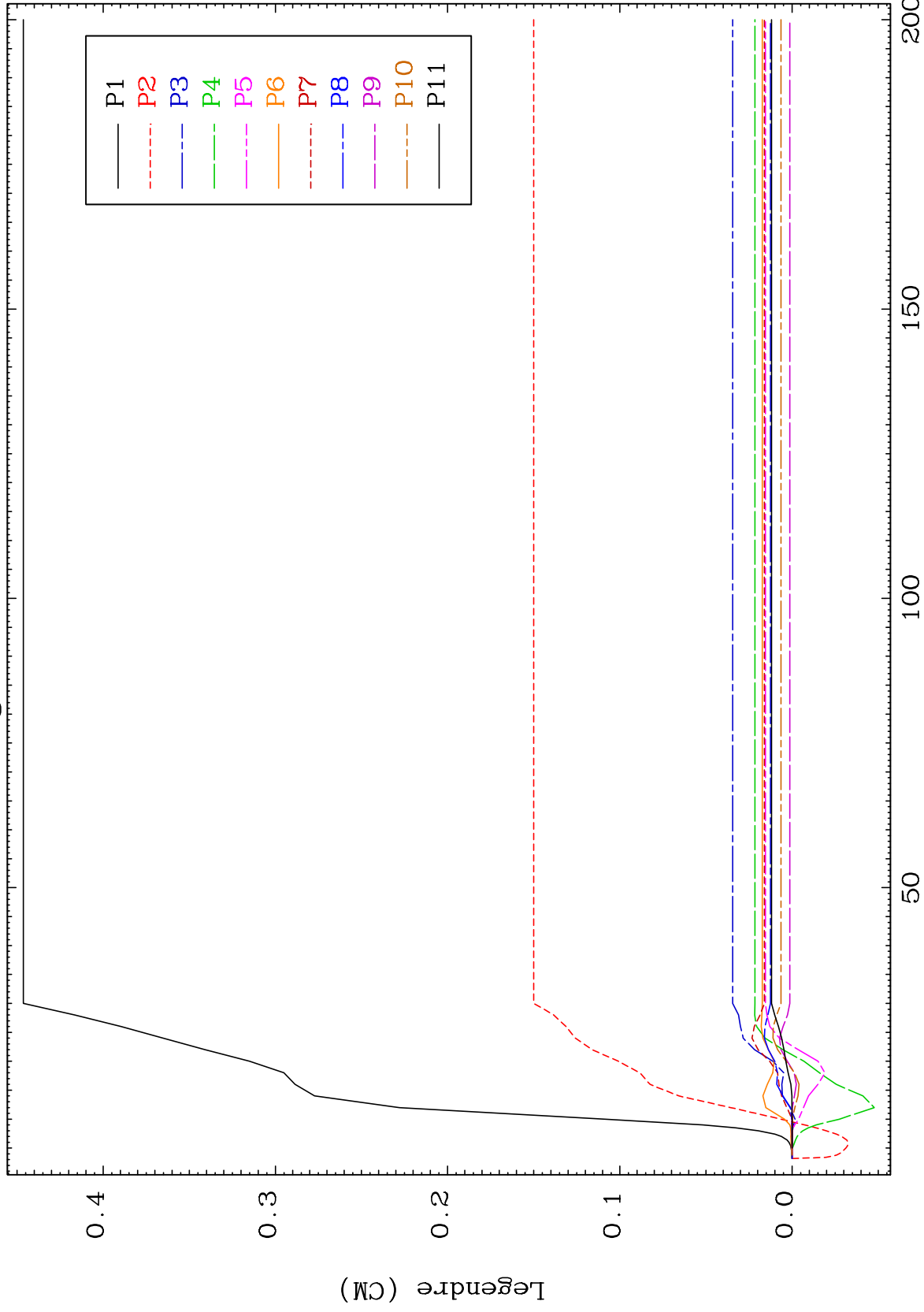




MAT 3064

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

30-Zn-77



30-Zn-77

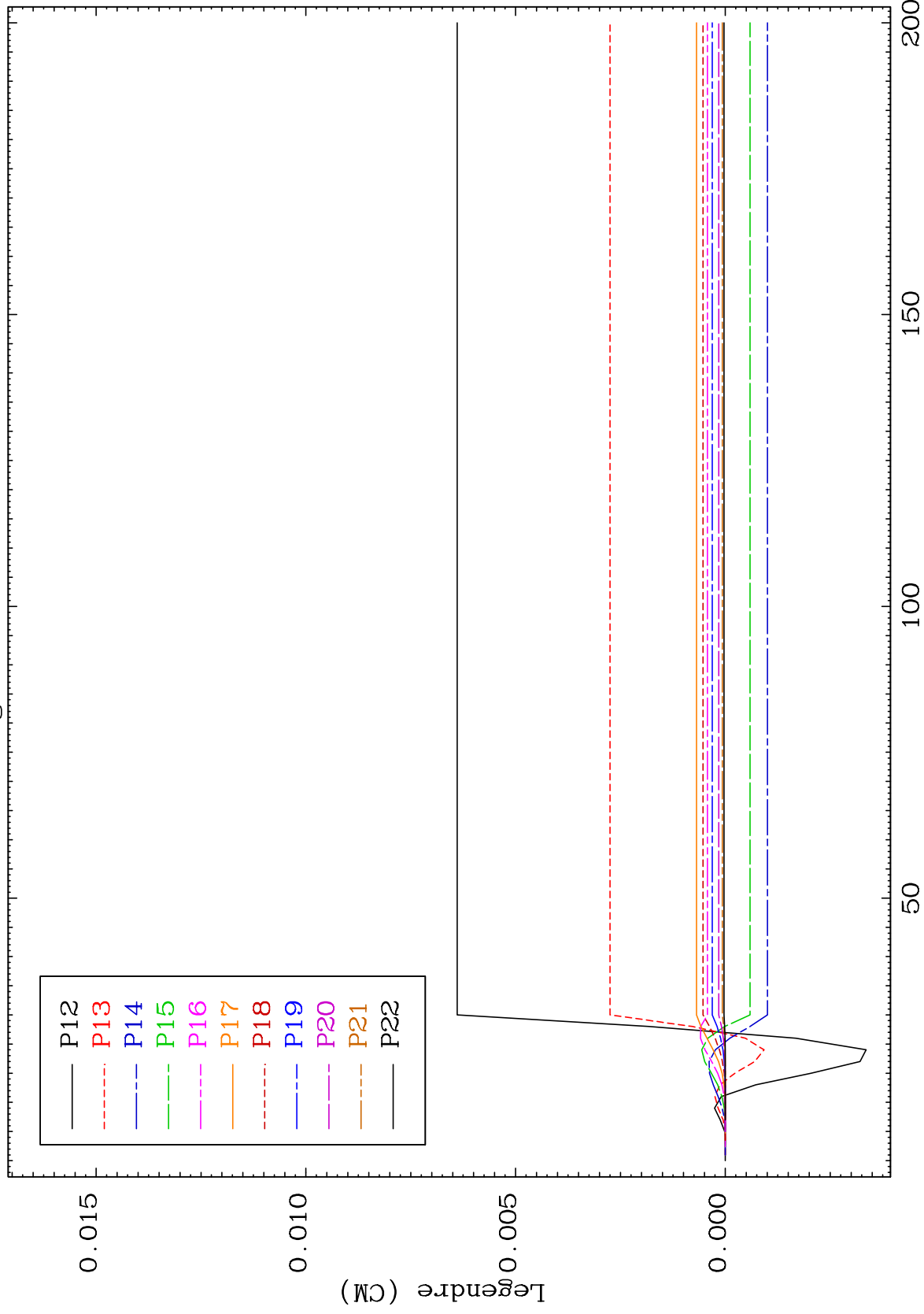
Incident Energy (MeV)

103

MAT 3064

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

30-Zn-77



104

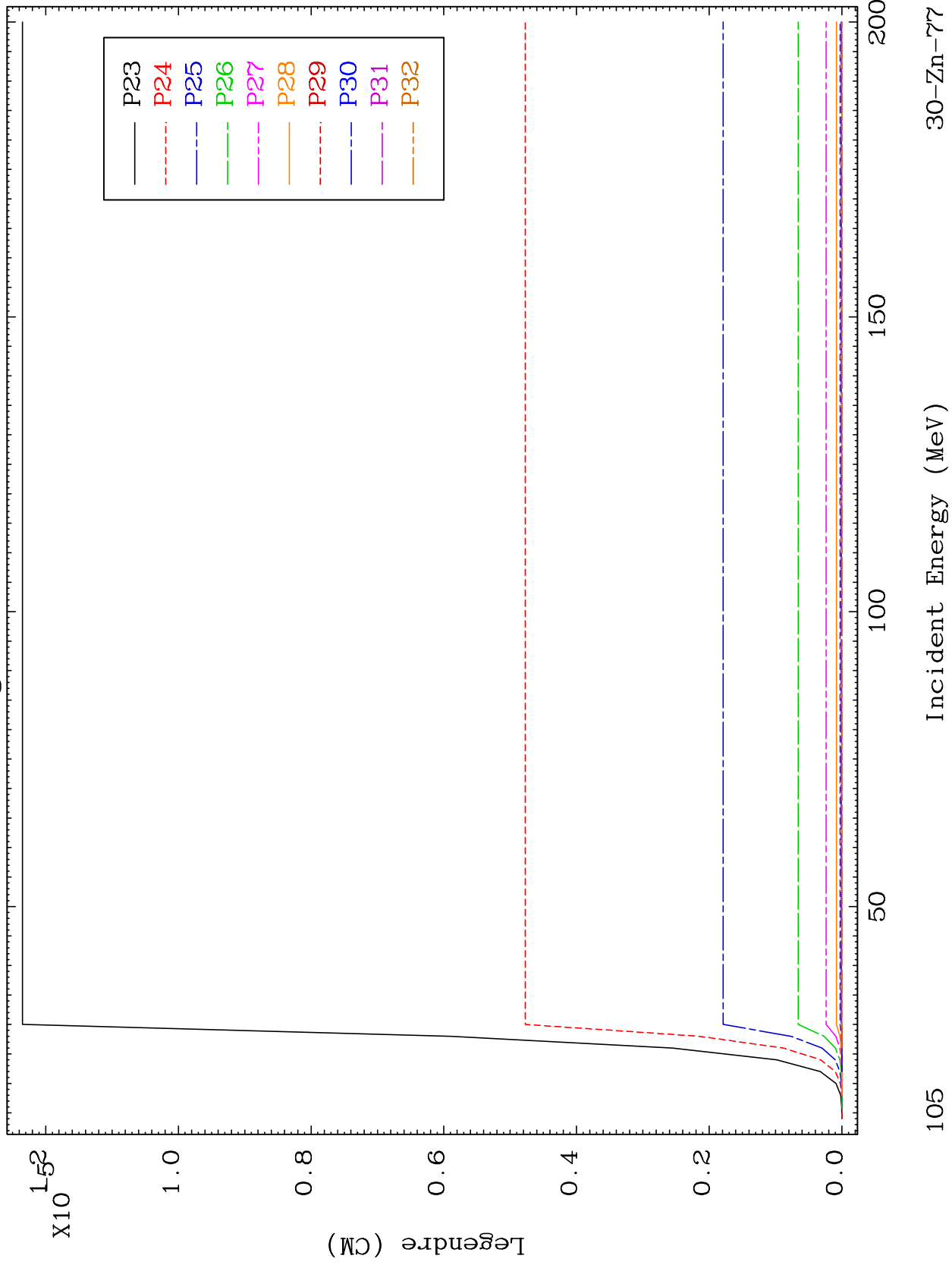
Incident Energy (MeV)

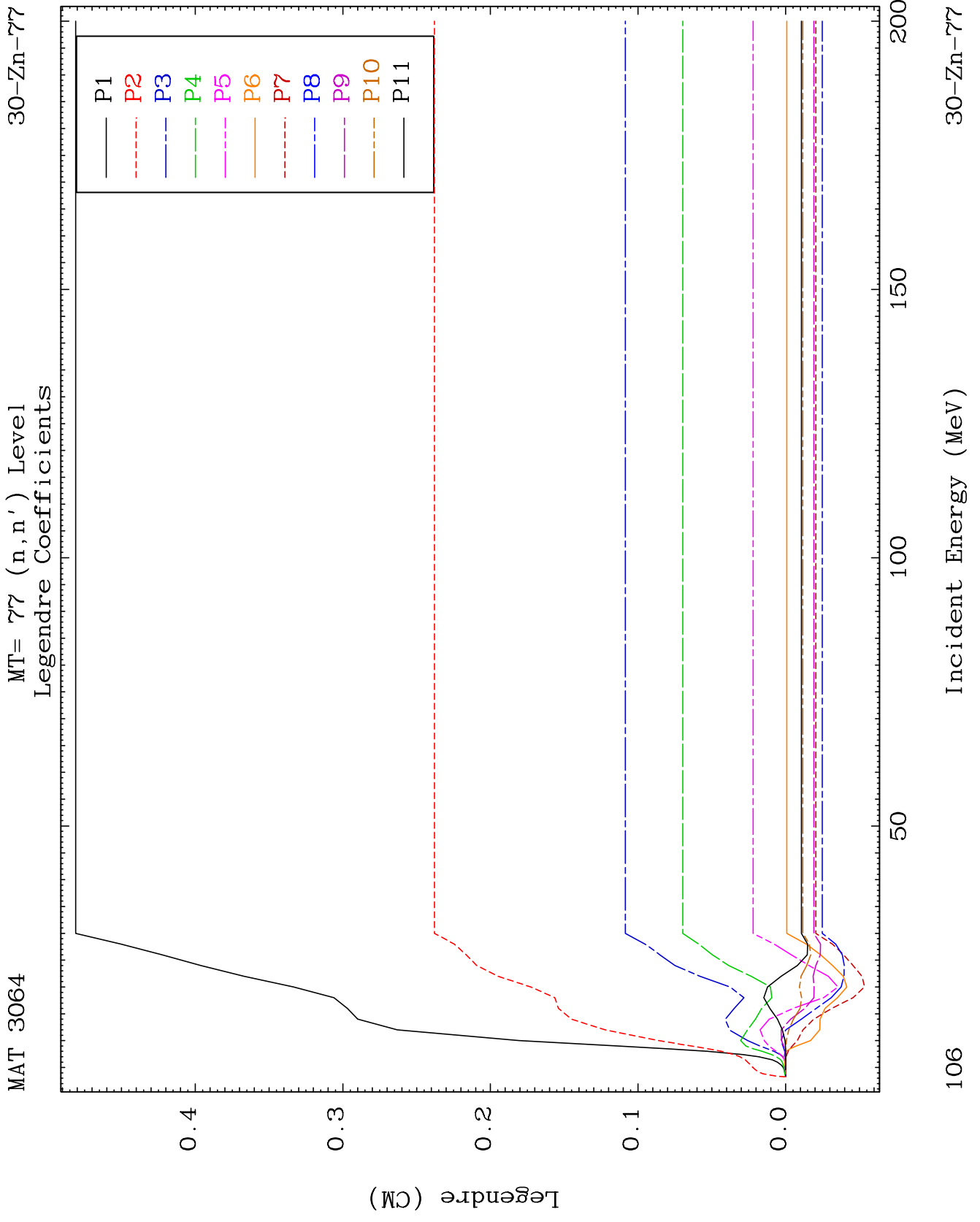
30-Zn-77

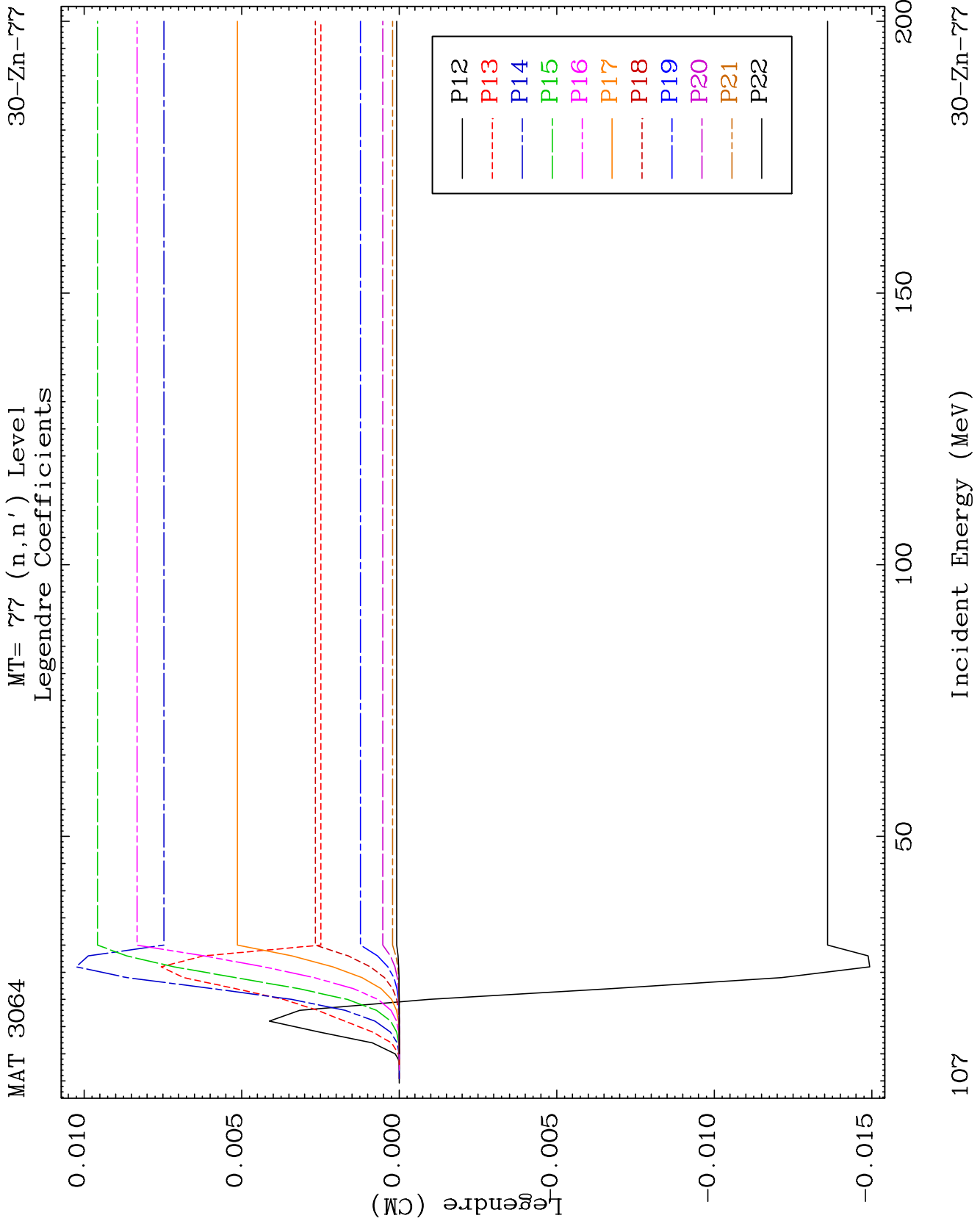
MAT 3064

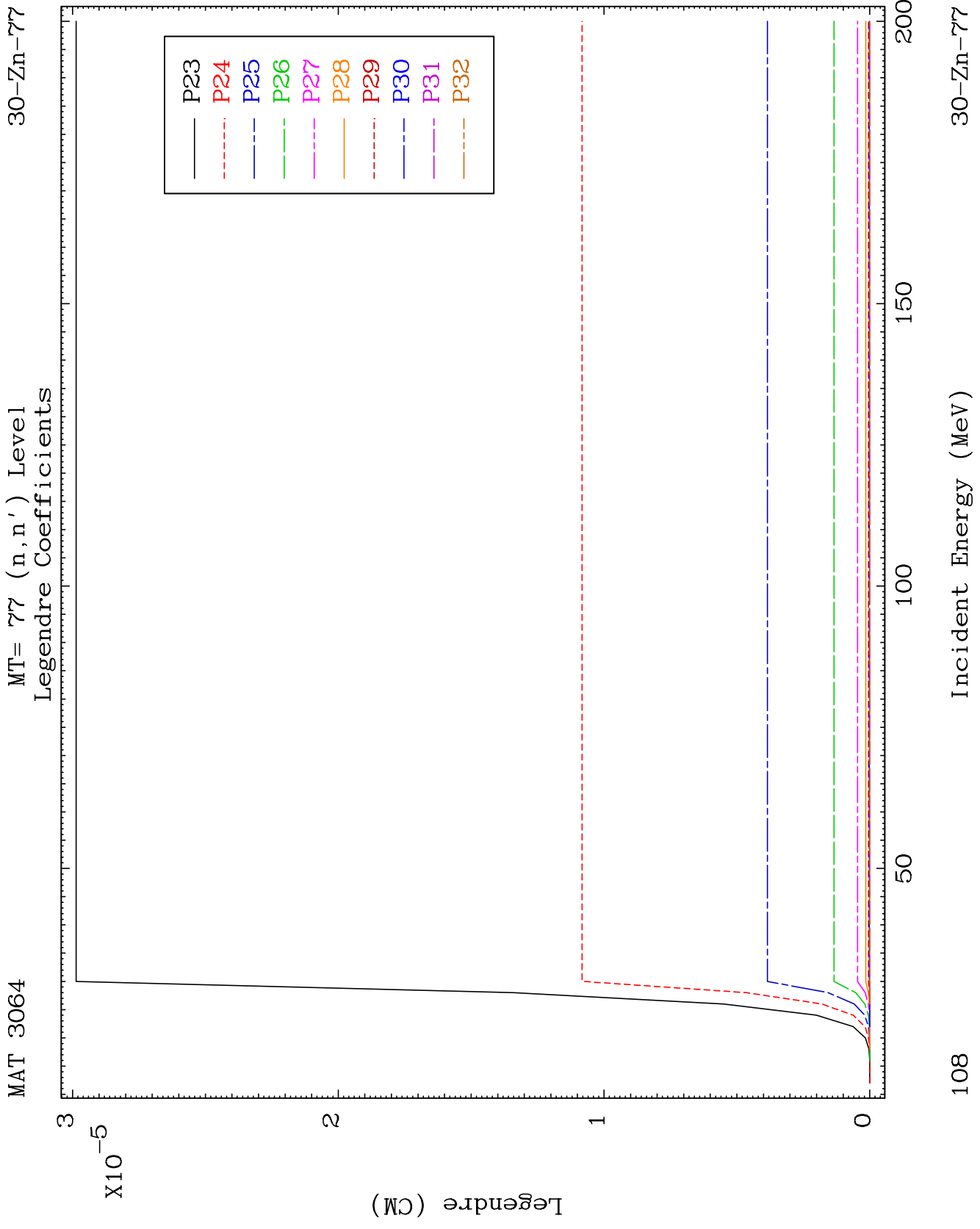
MT= 76 (n,n') Level
Legendre Coefficients

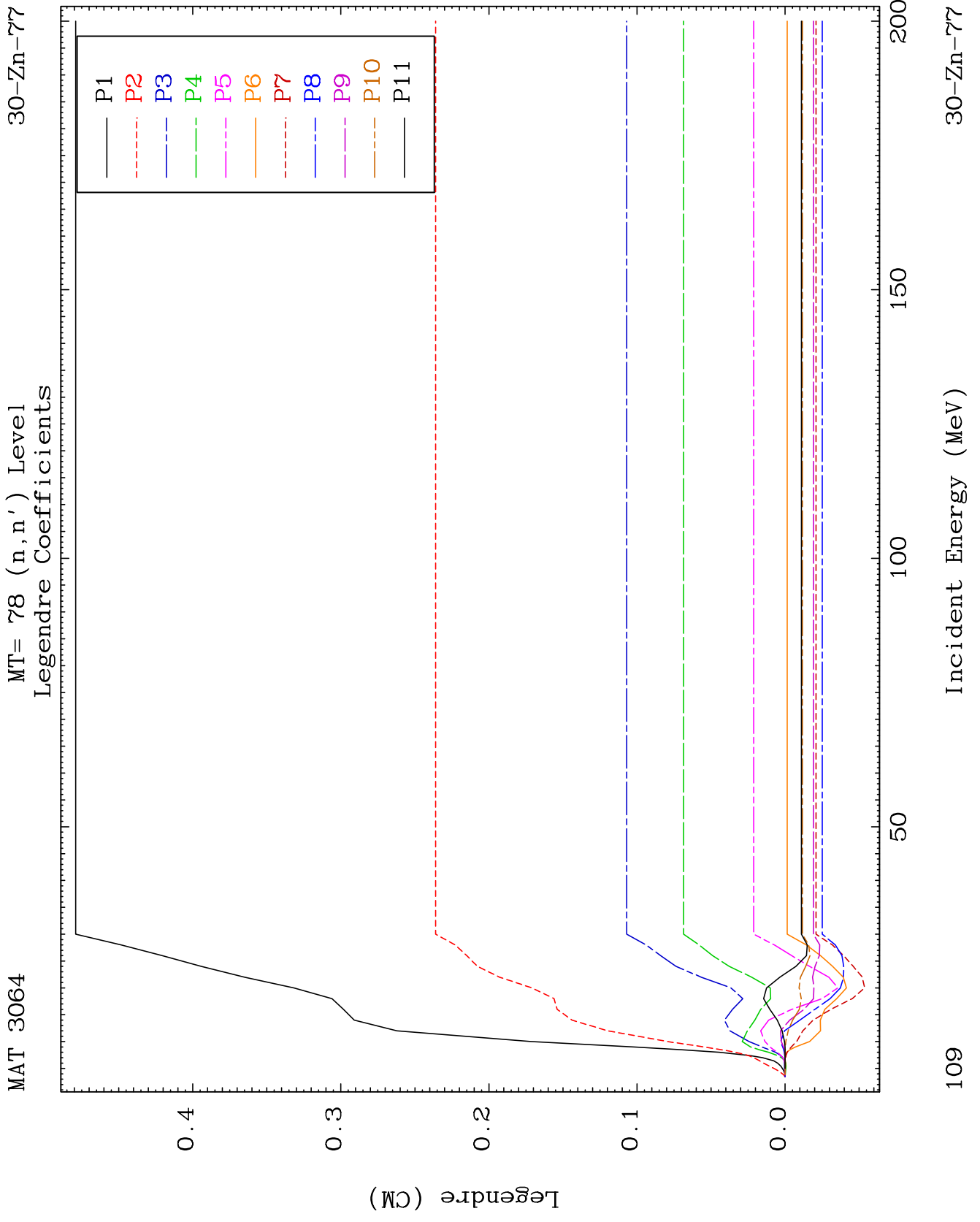
30-Zn-77

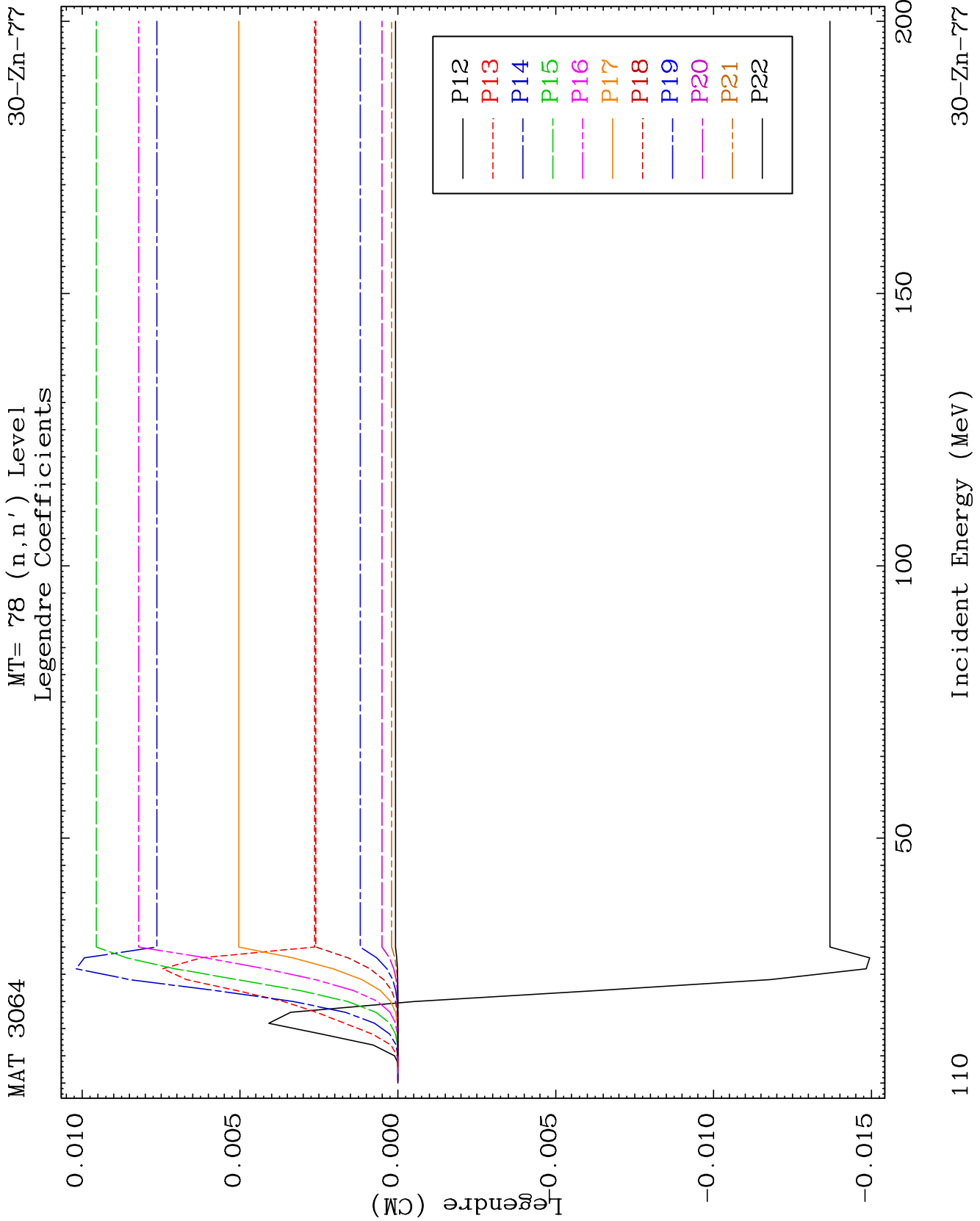








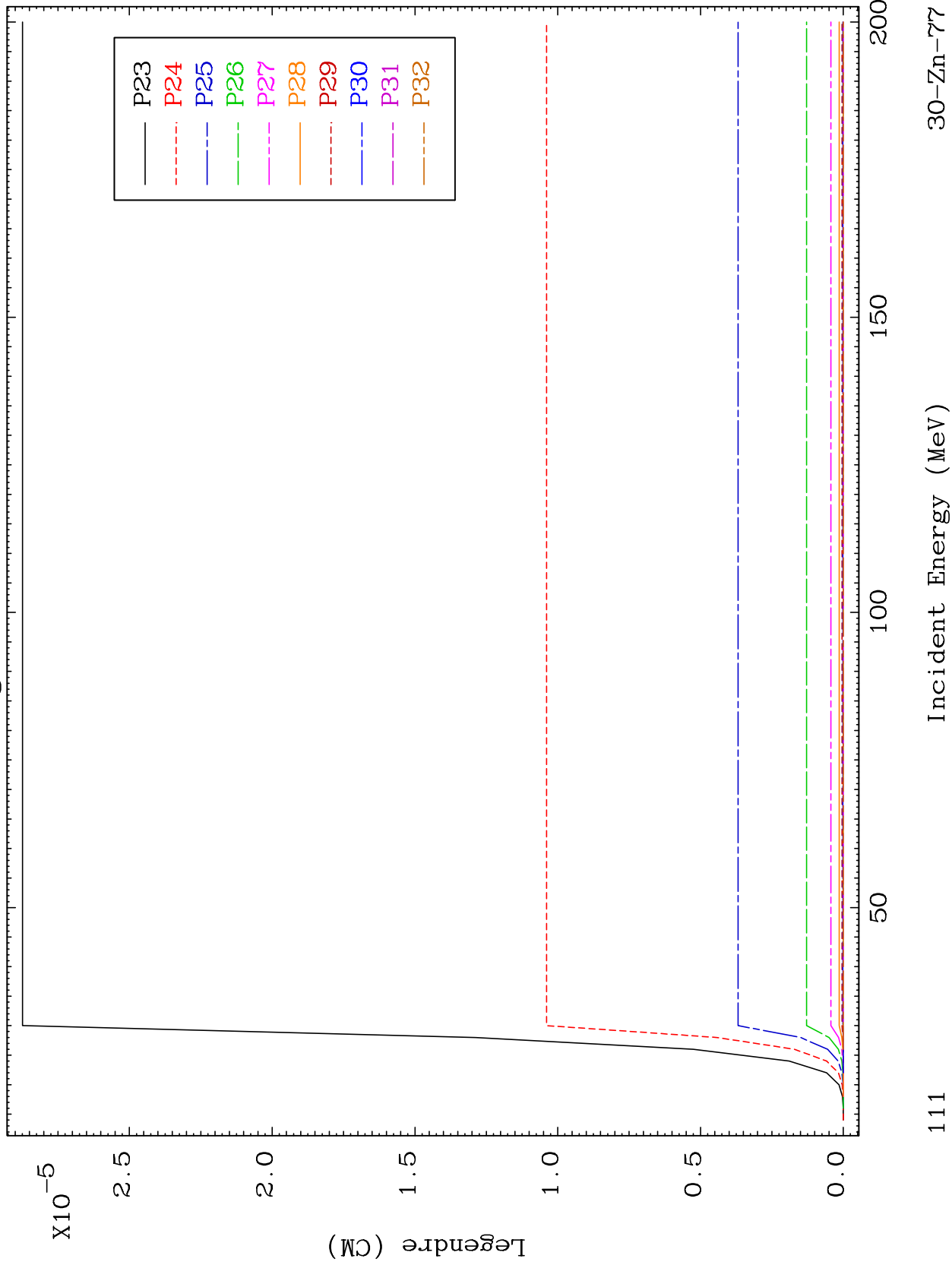




MAT 3064

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

30-Zn-77

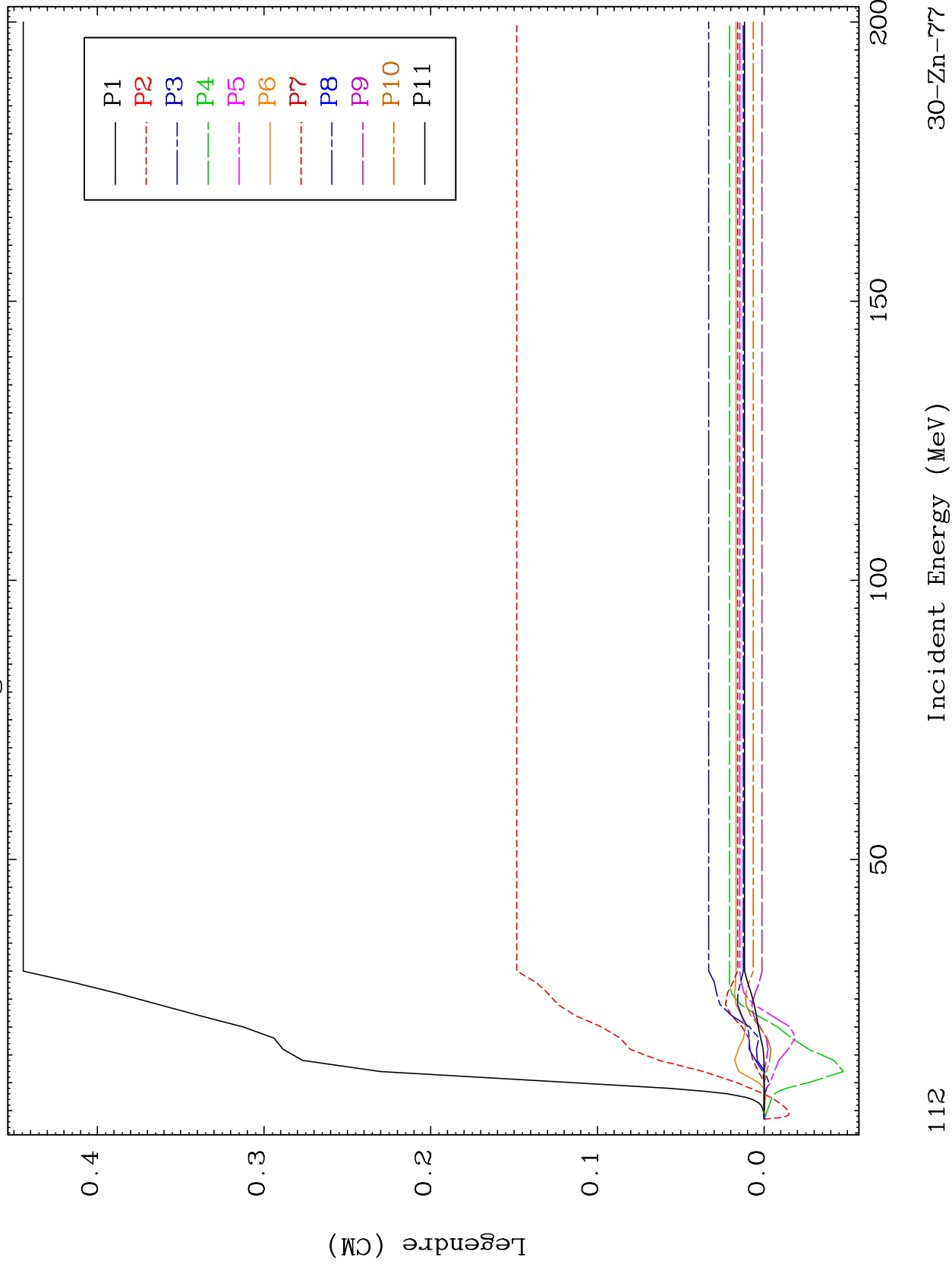


111

MAT 3064

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

30-Zn-77



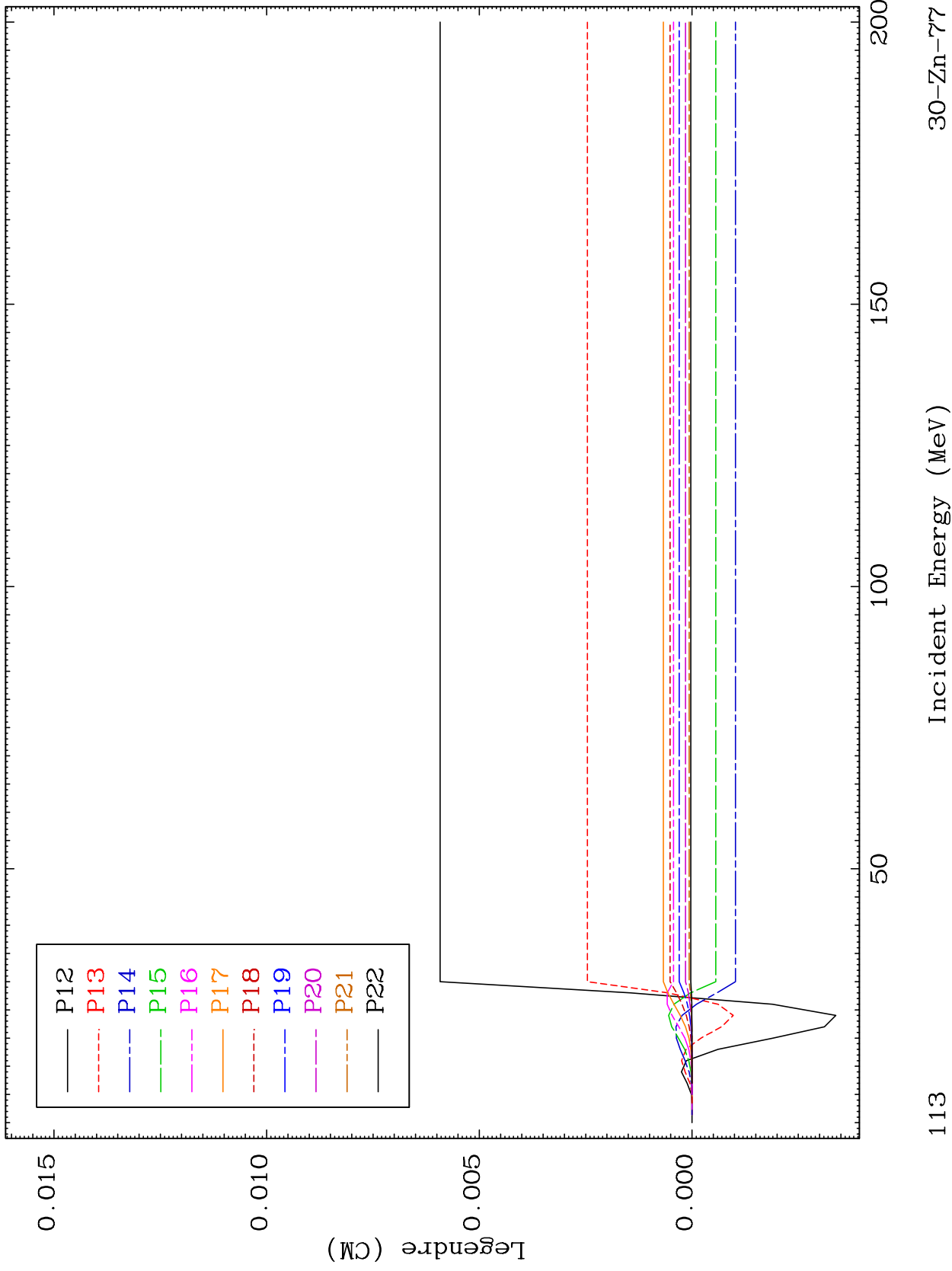
112

30-Zn-77

MAT 3064

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

30-Zn-77



113

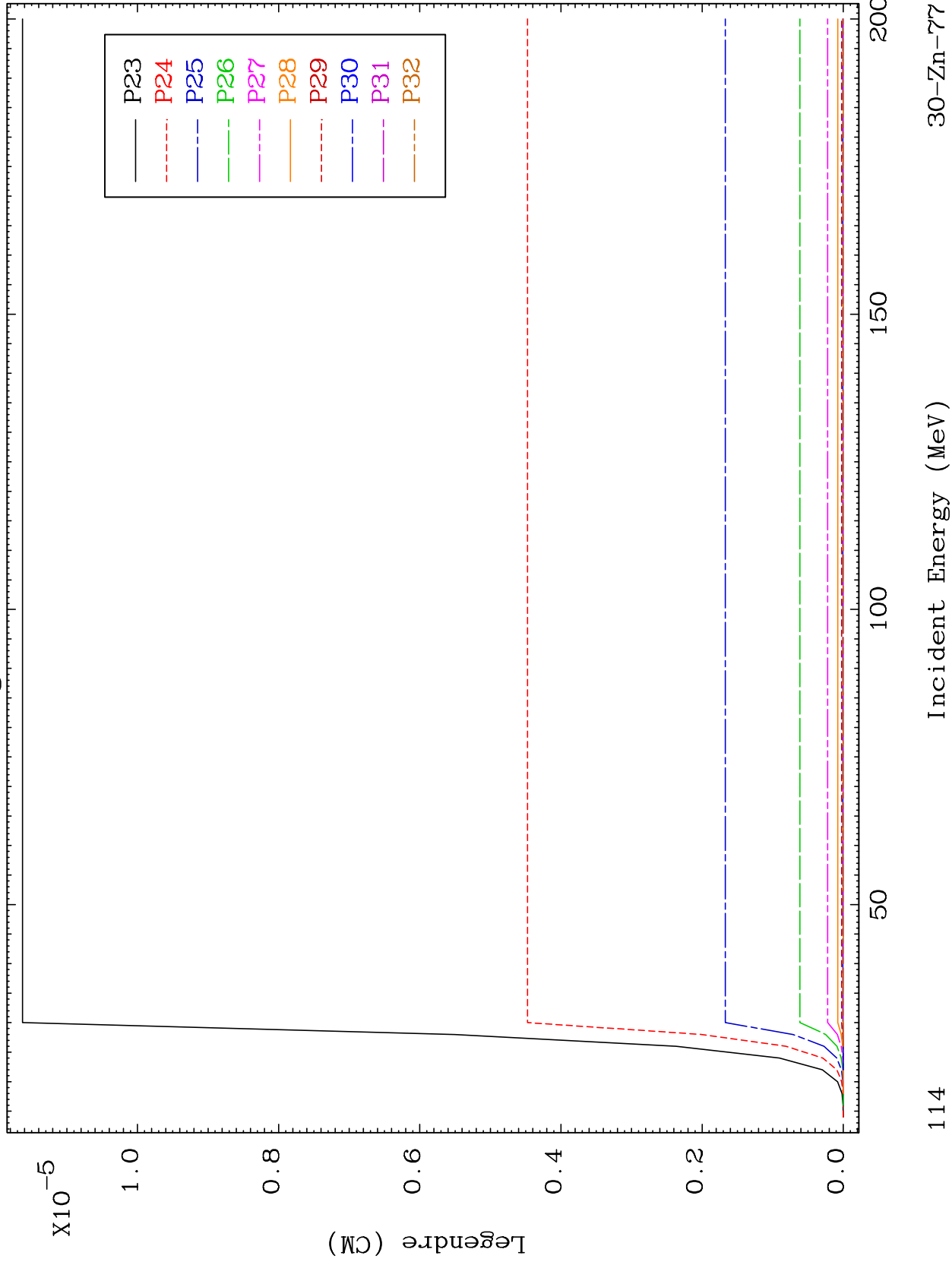
Incident Energy (MeV)

30-Zn-77

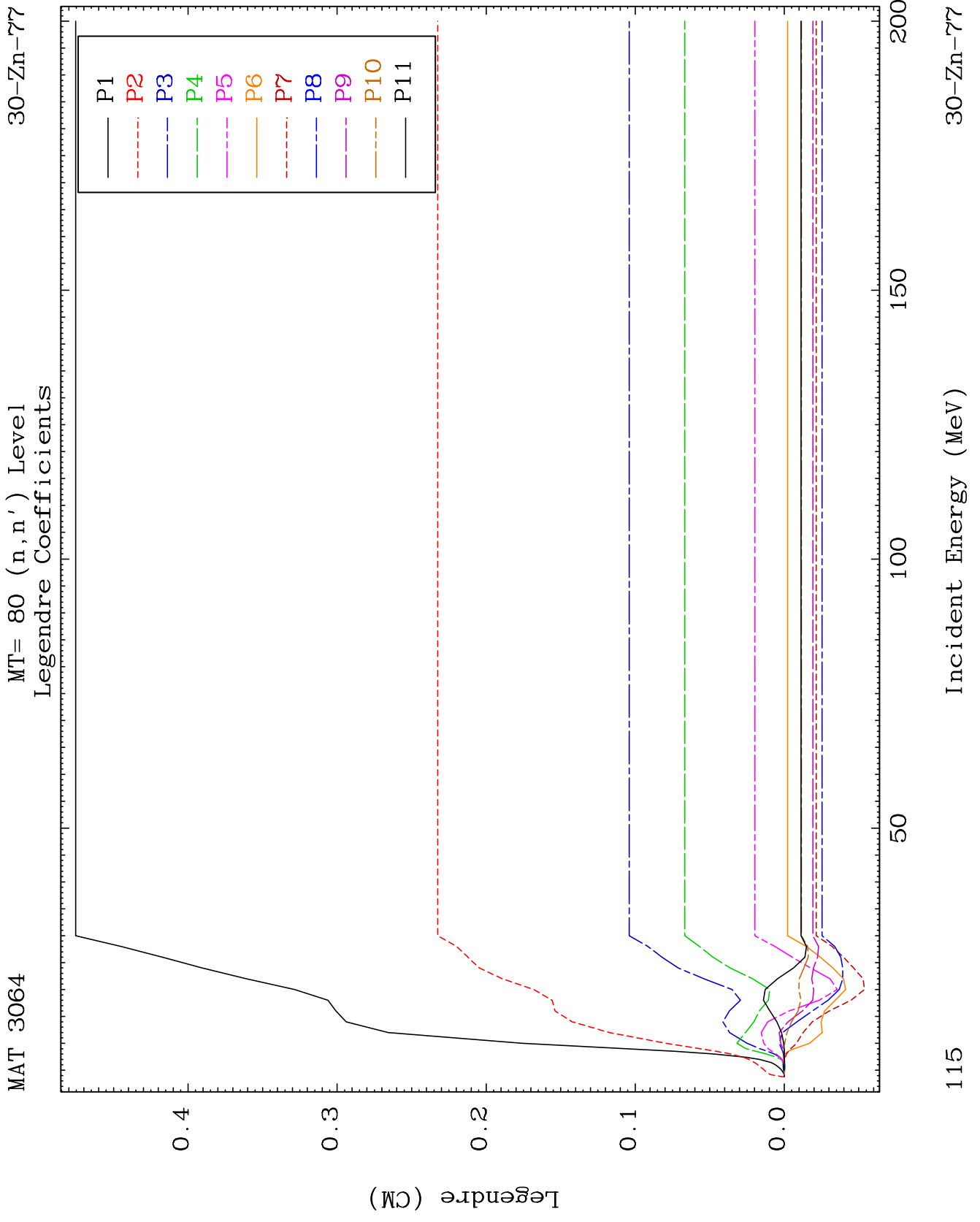
MAT 3064

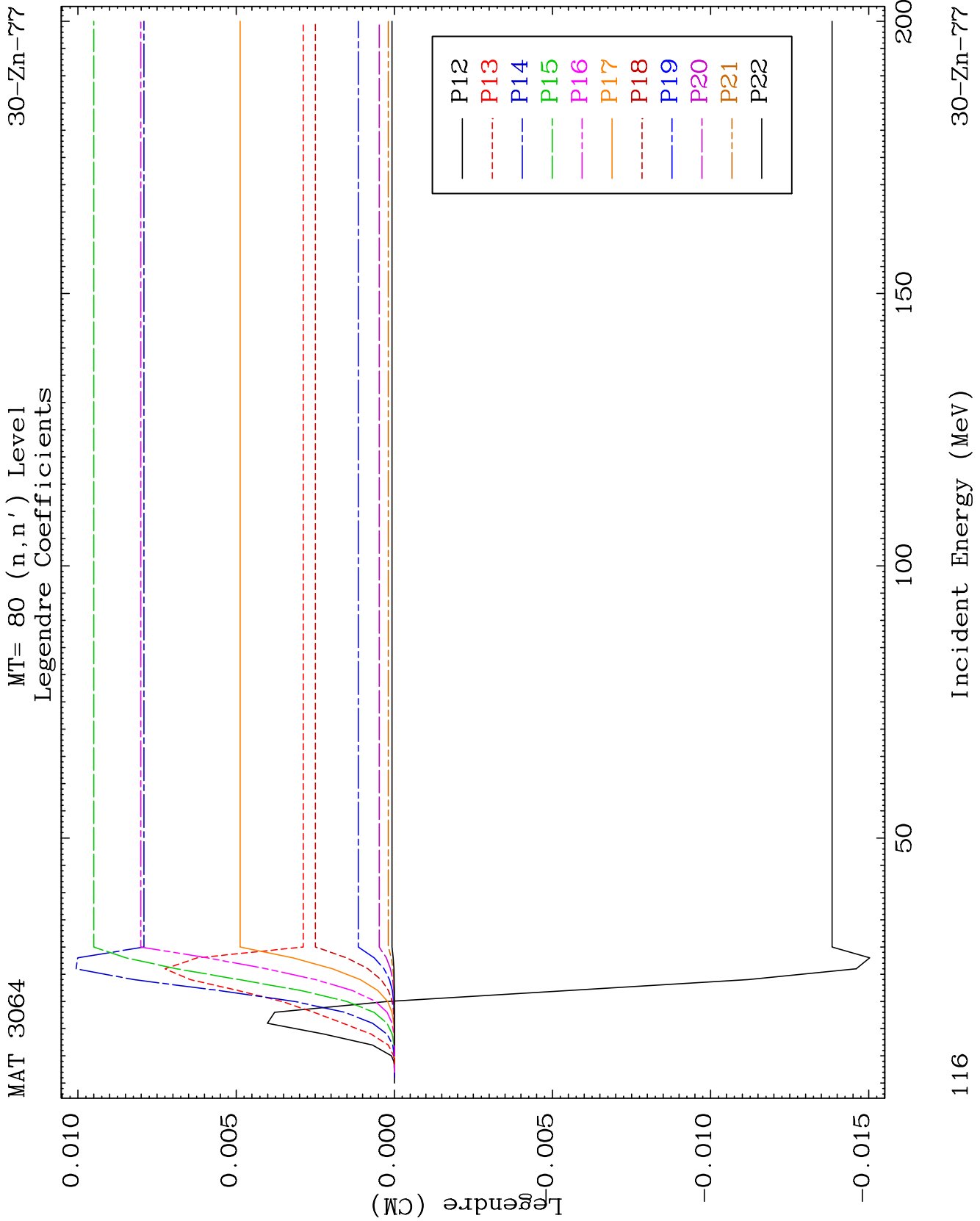
MT= 79 (n,n') Level
Legendre Coefficients

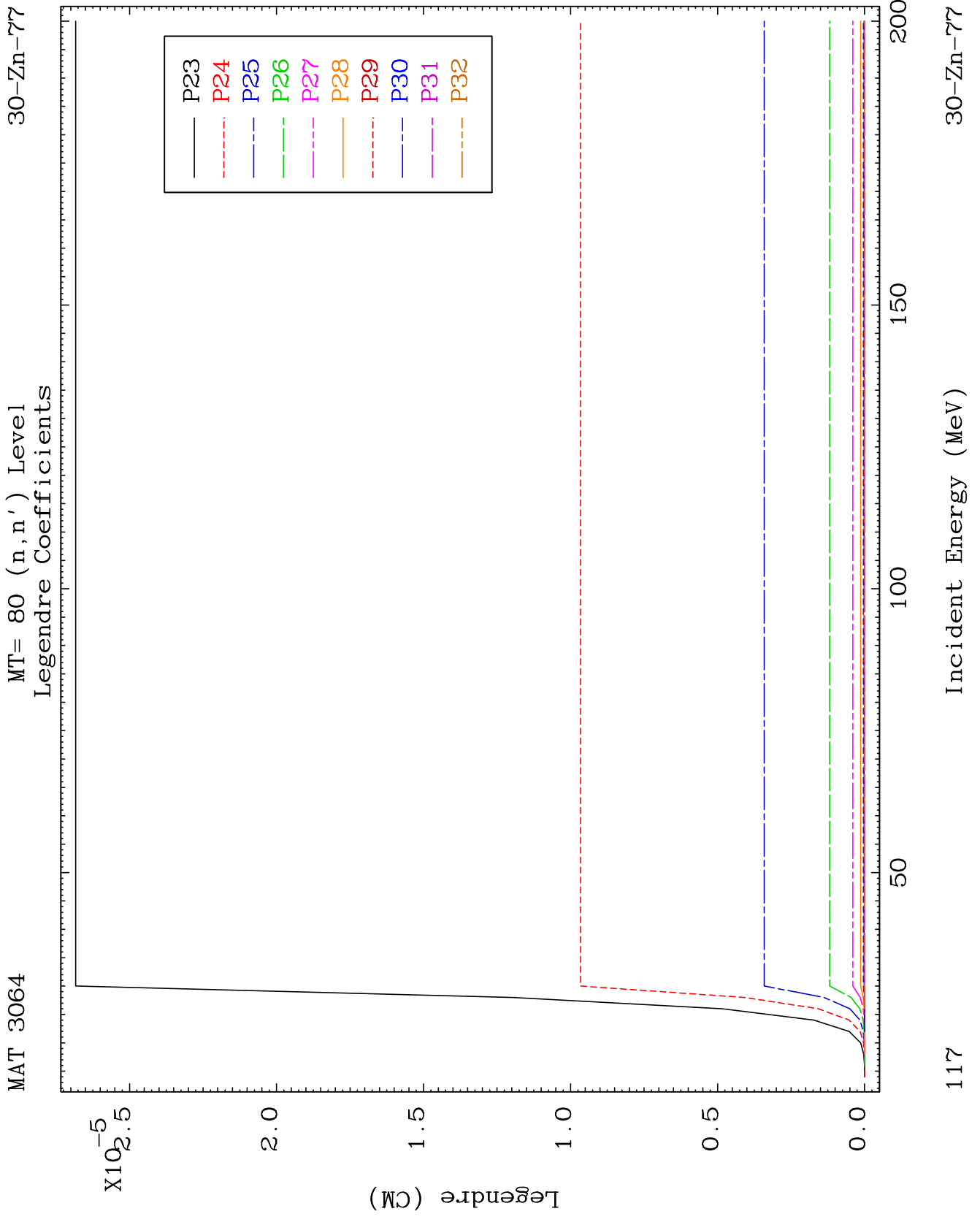
30-Zn-77



114



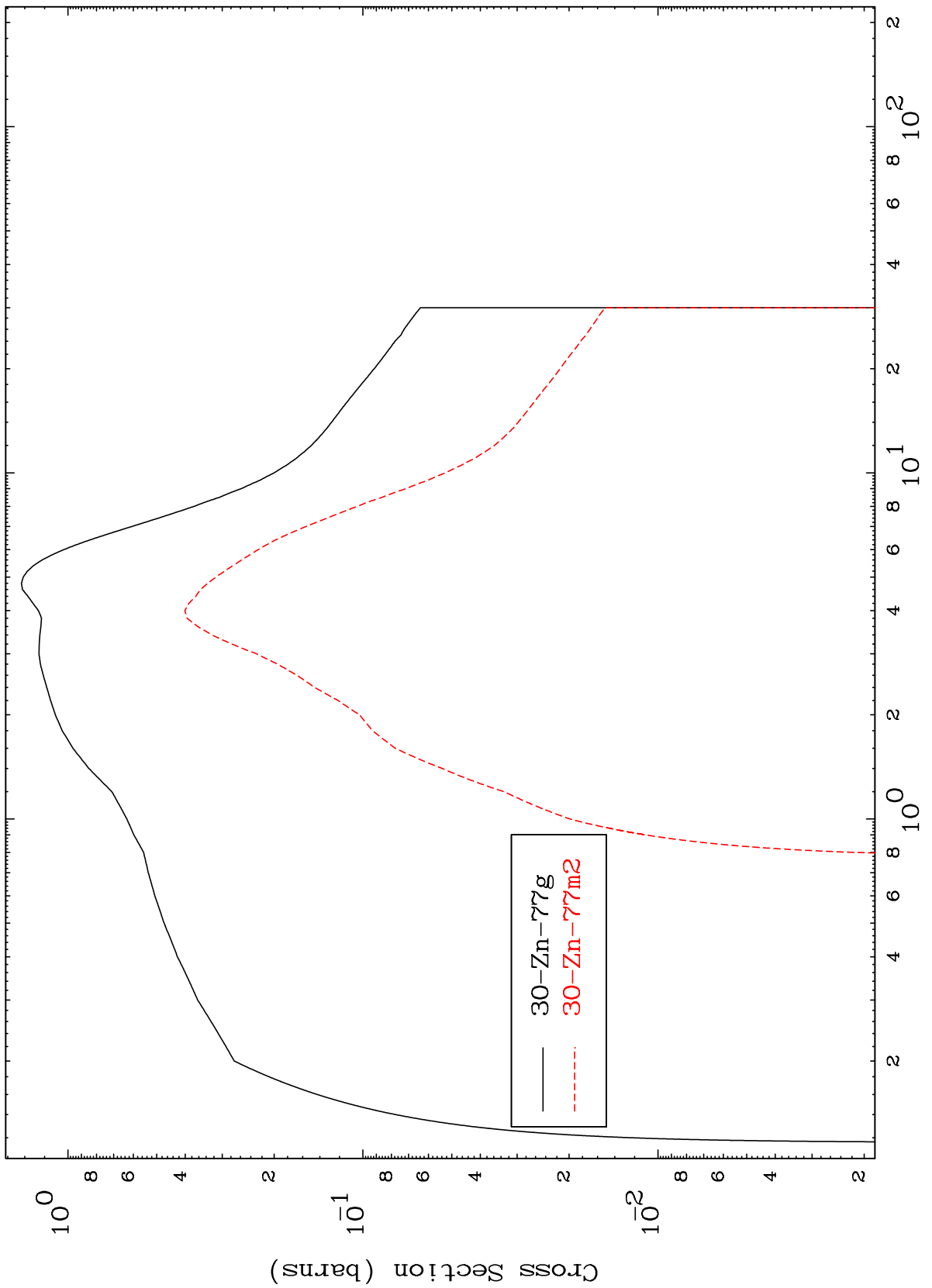




MAT 3064

30-Zn-77

Inelastic
Radionuclide Production Cross Section

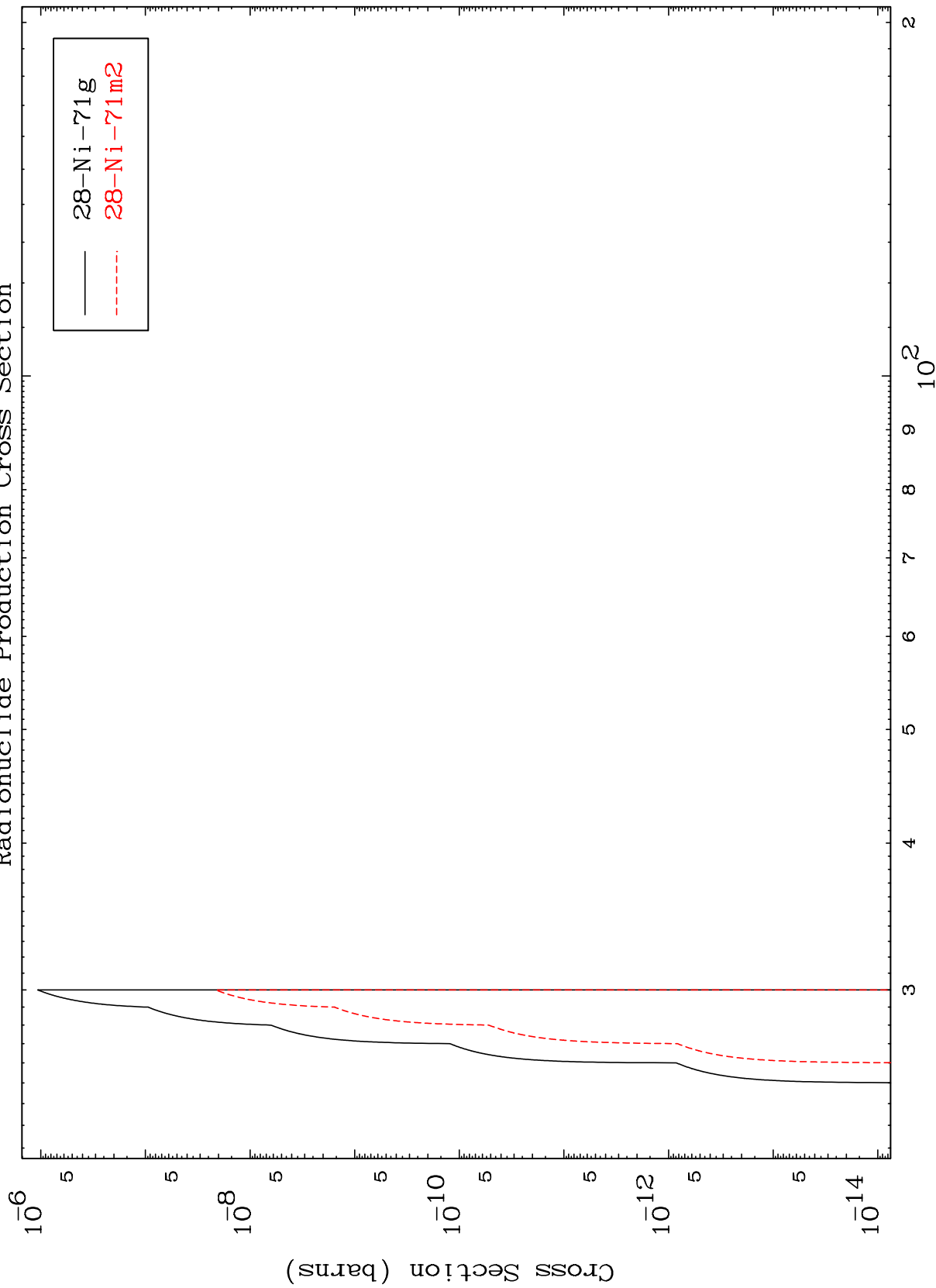


MAT 3064

(n,3n) α

30-Zn-77

Radionuclide Production Cross Section



119

Incident Energy (MeV)

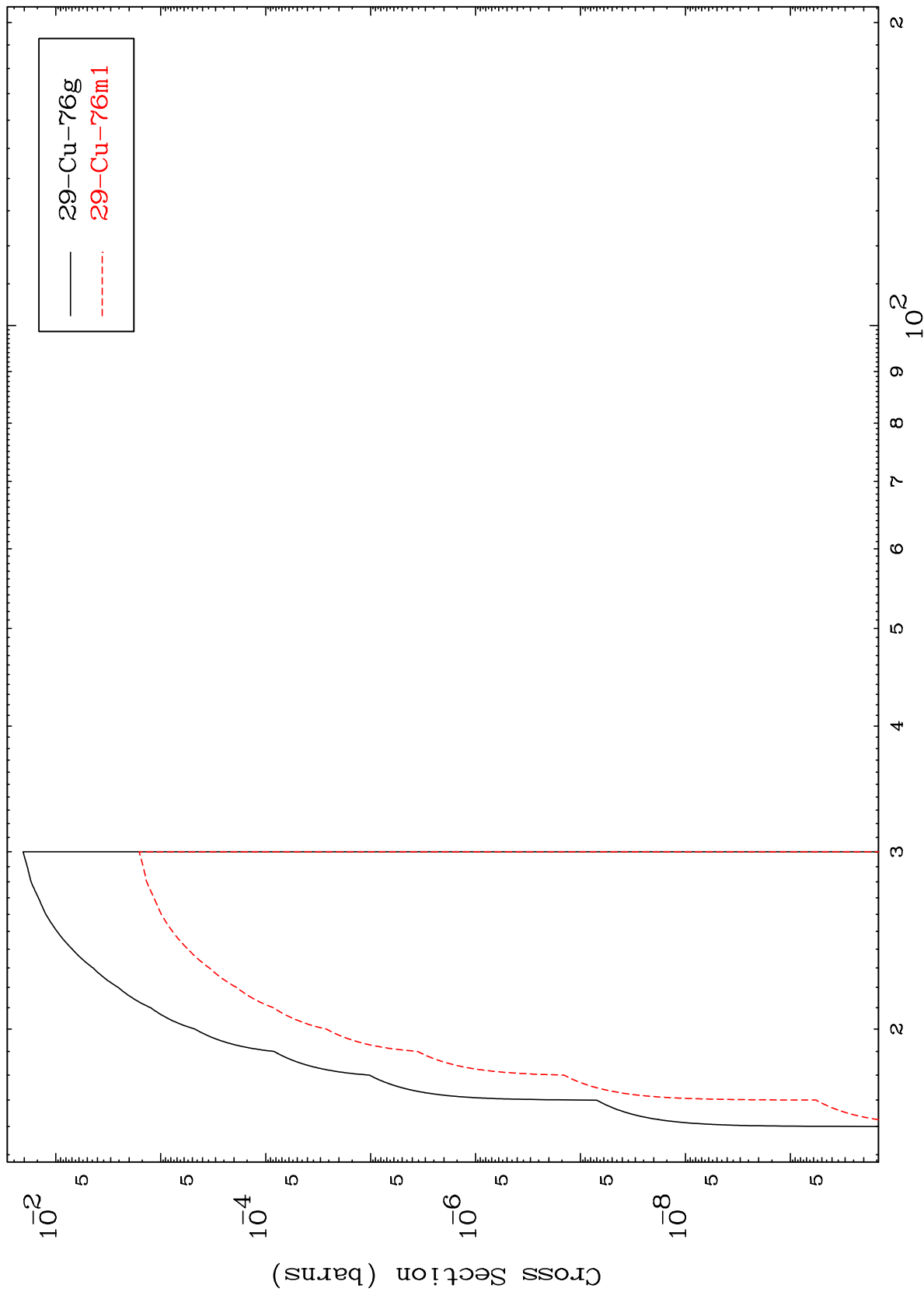
30-Zn-77

MAT 3064

(n,n') p

30-Zn-77

Radionuclide Production Cross Section



120

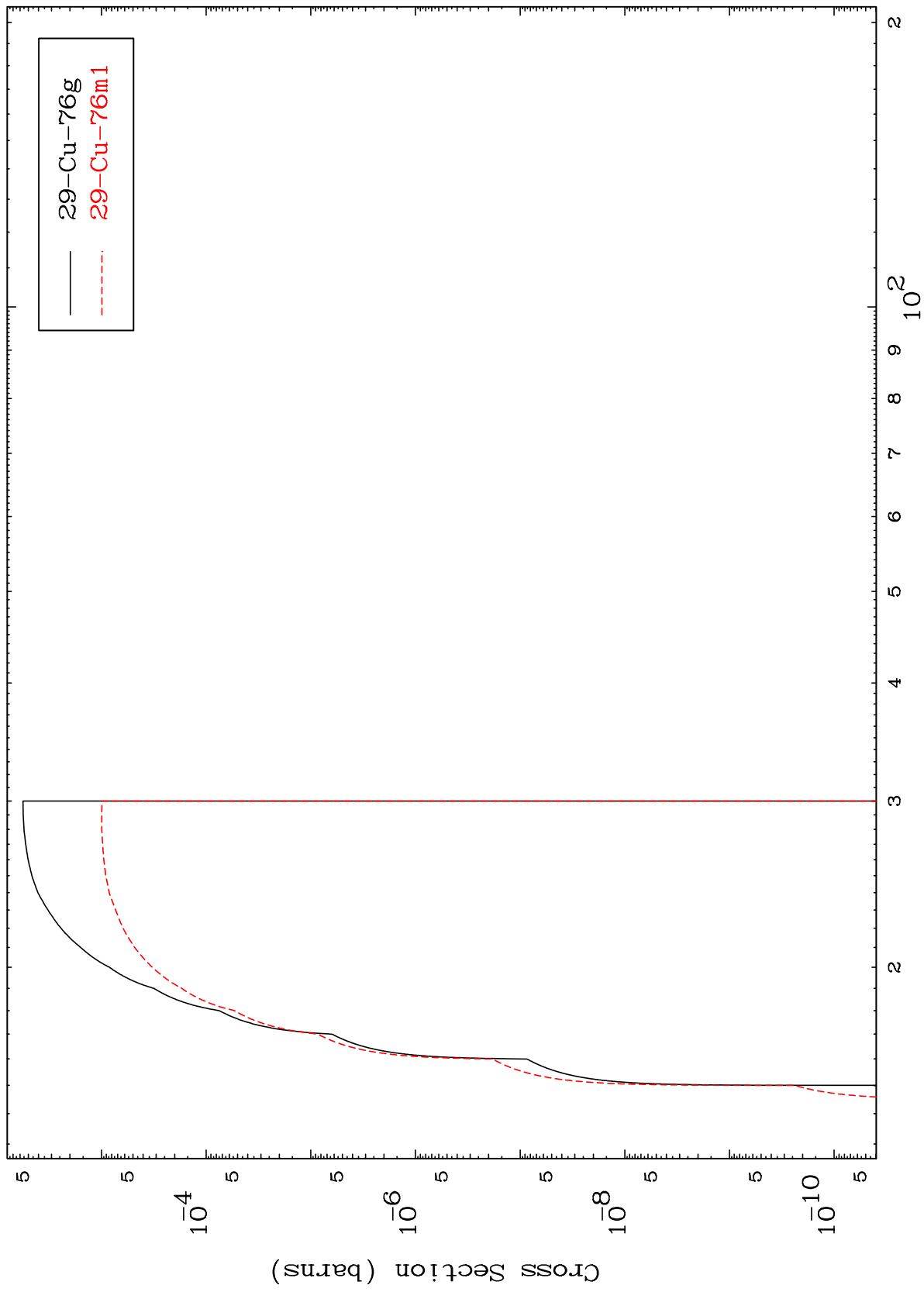
Incident Energy (MeV)

30-Zn-77

MAT 3064

30-Zn-77

(n,d)
Radionuclide Production Cross Section



121

Incident Energy (MeV)

30-Zn-77