

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

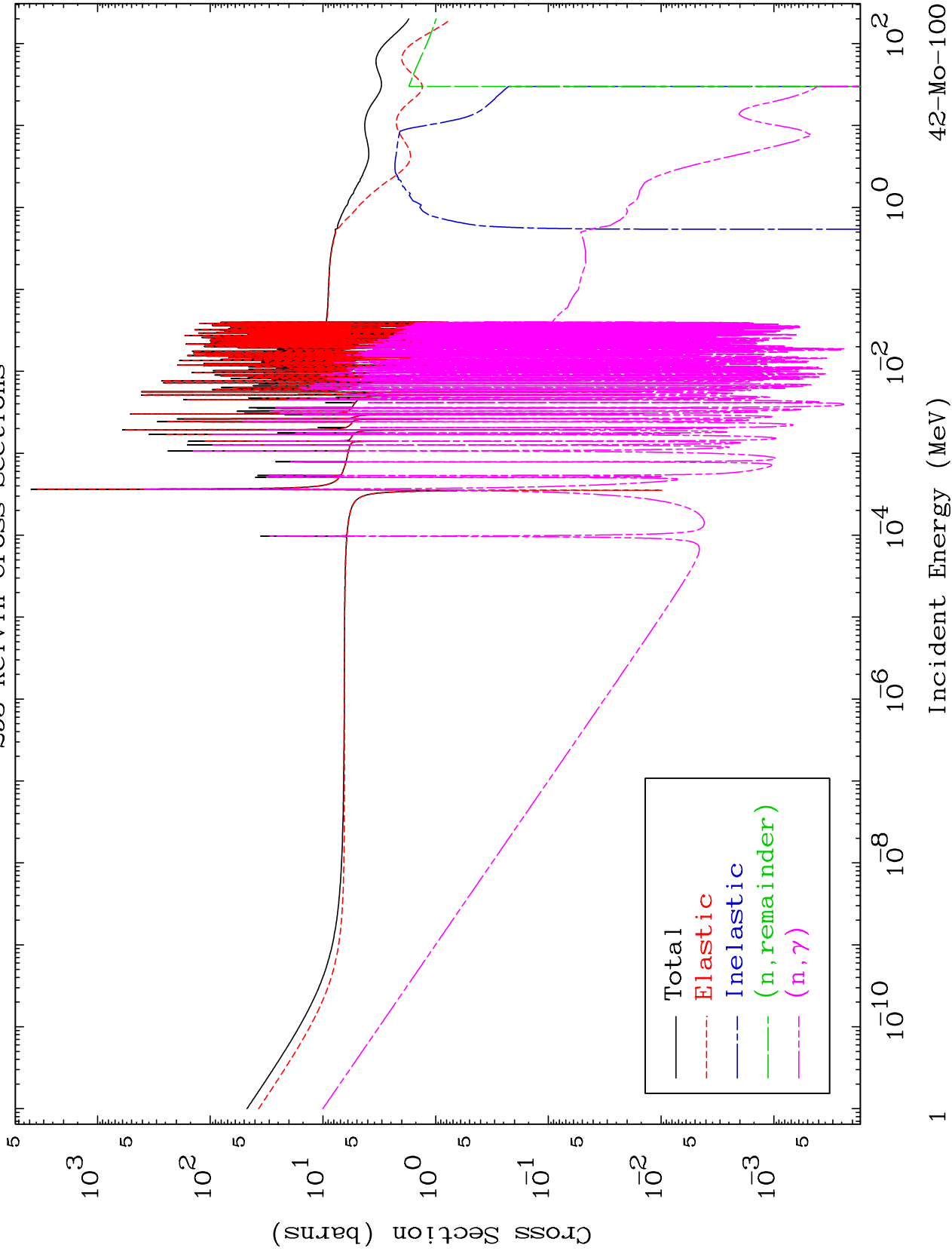
Press Mouse Button to Start

MAT 4249

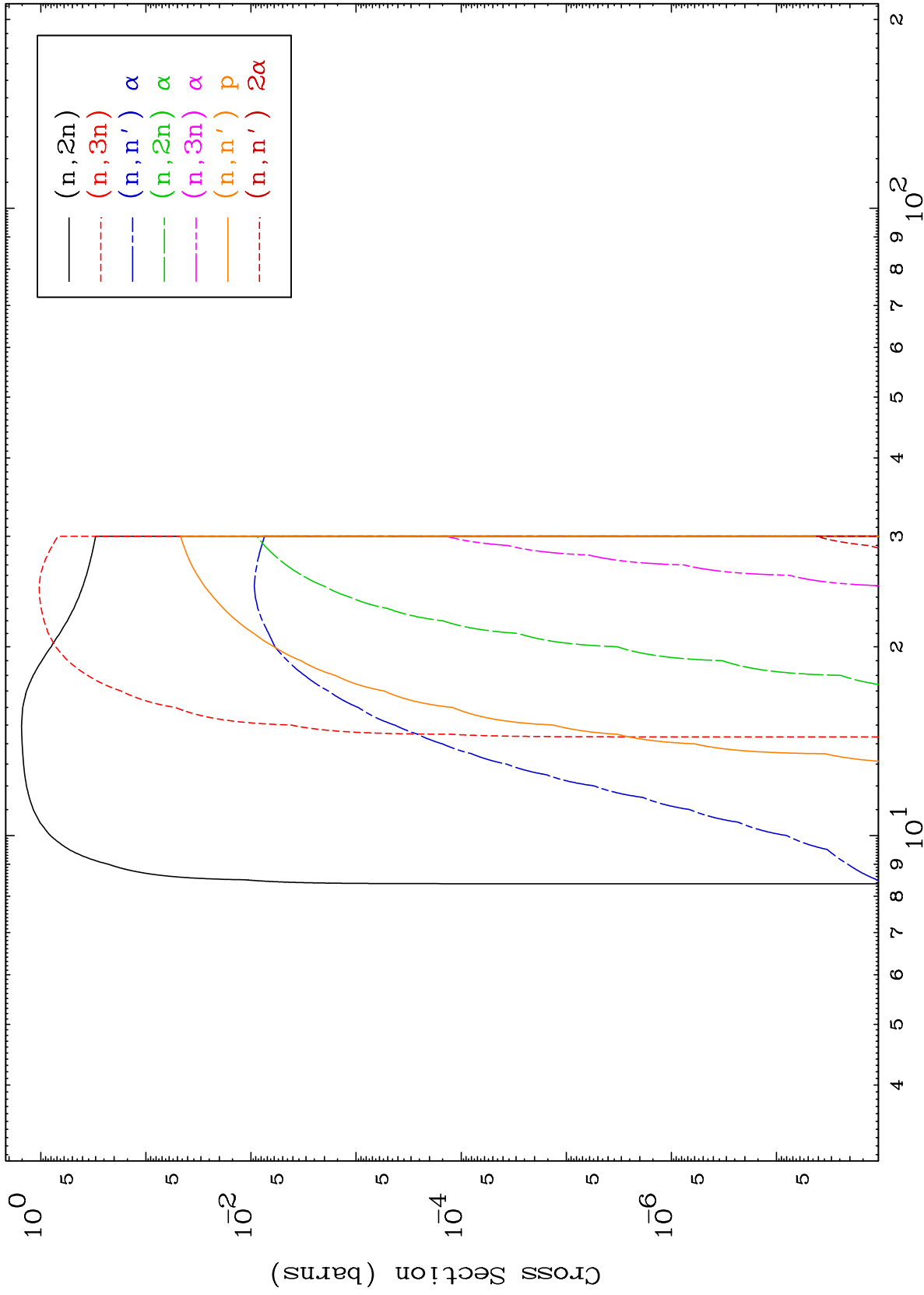
Major

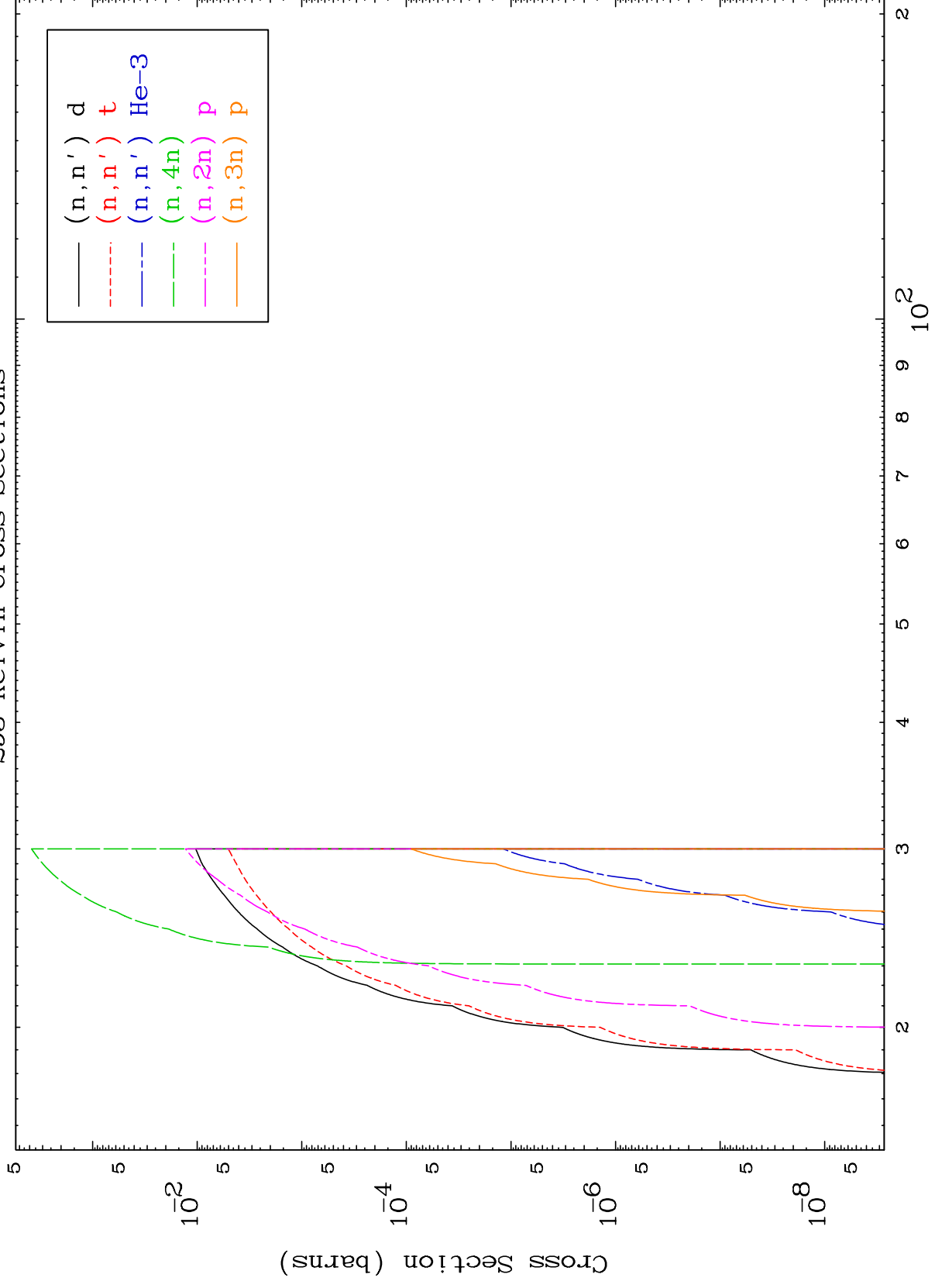
293 Kelvin Cross Sections

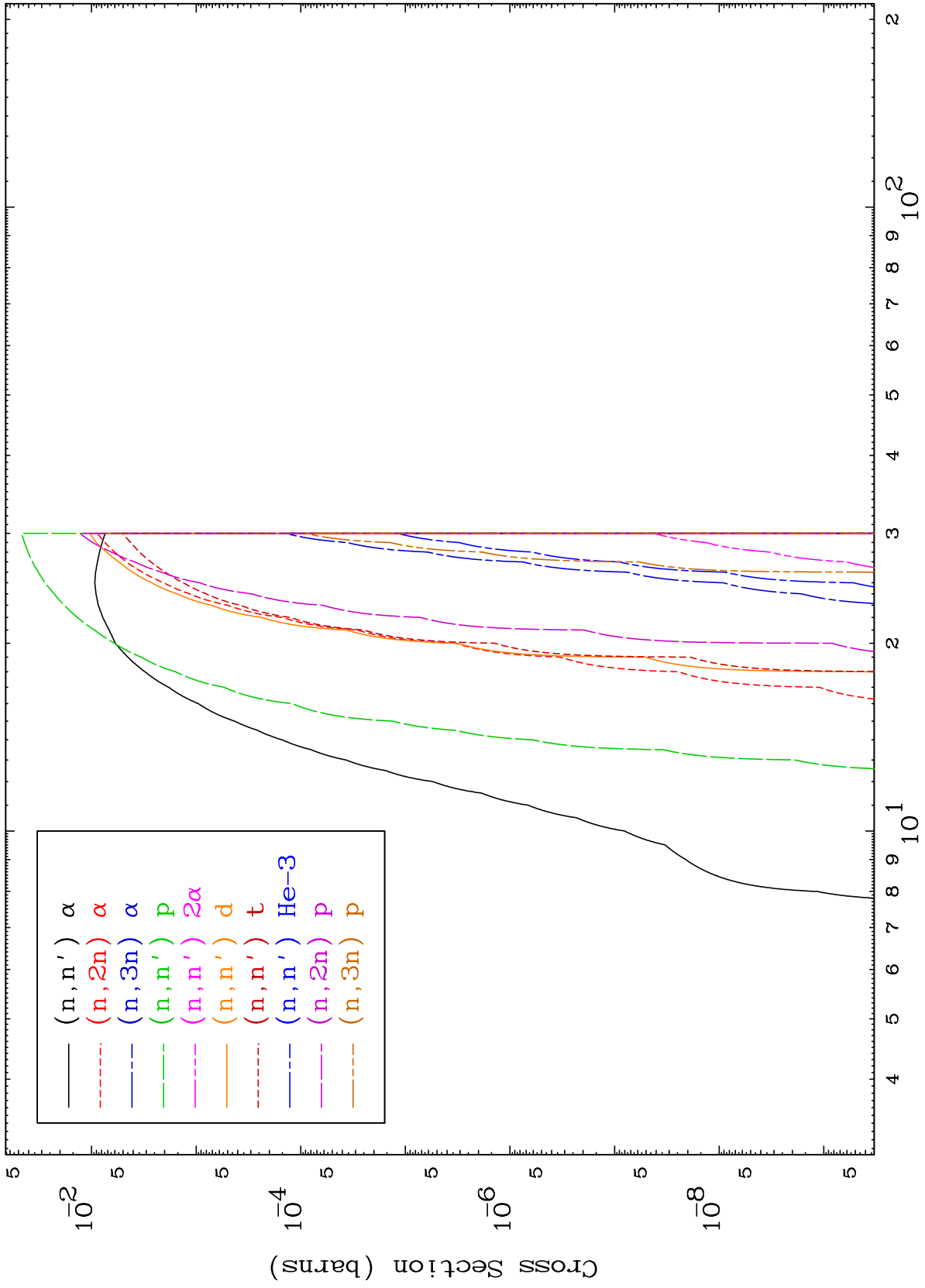
42-Mo-100



Neutron Production  
293 Kelvin Cross Sections



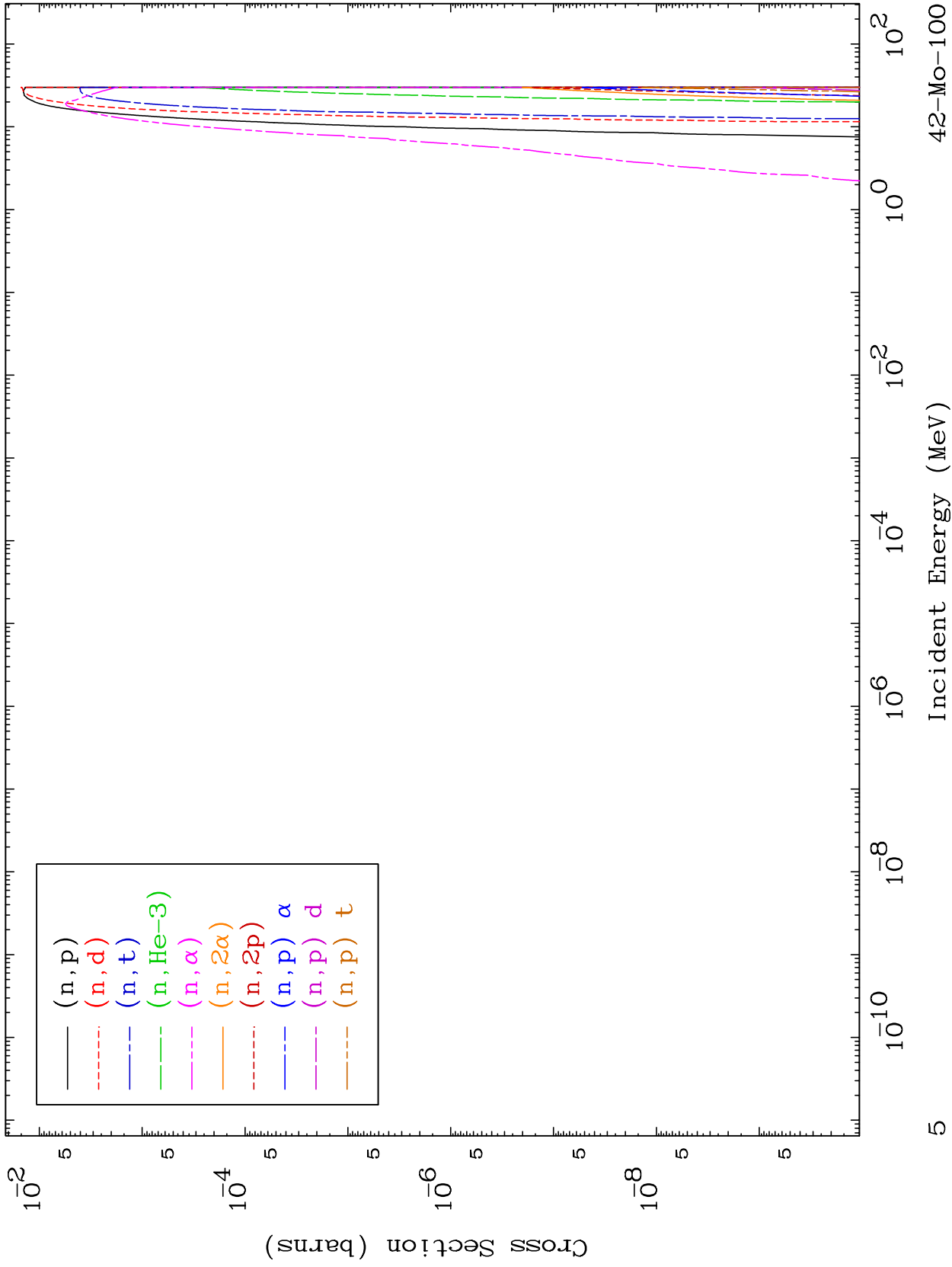




MAT 4249

Charged Particle  
293 Kelvin Cross Sections

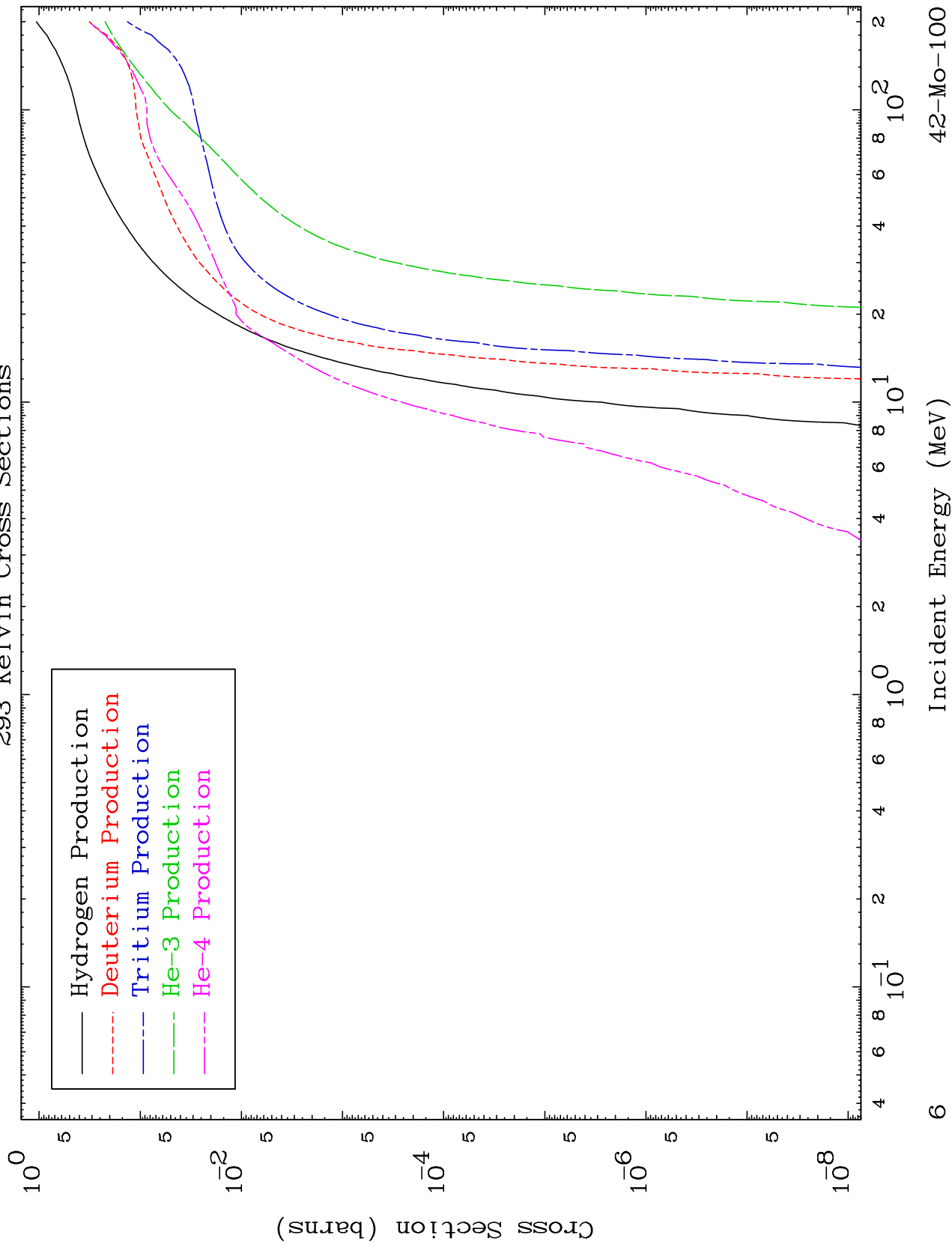
42-Mo-100



MAT 4249

Particle Production  
293 Kelvin Cross Sections

42-Mo-100



6

Incident Energy (MeV)

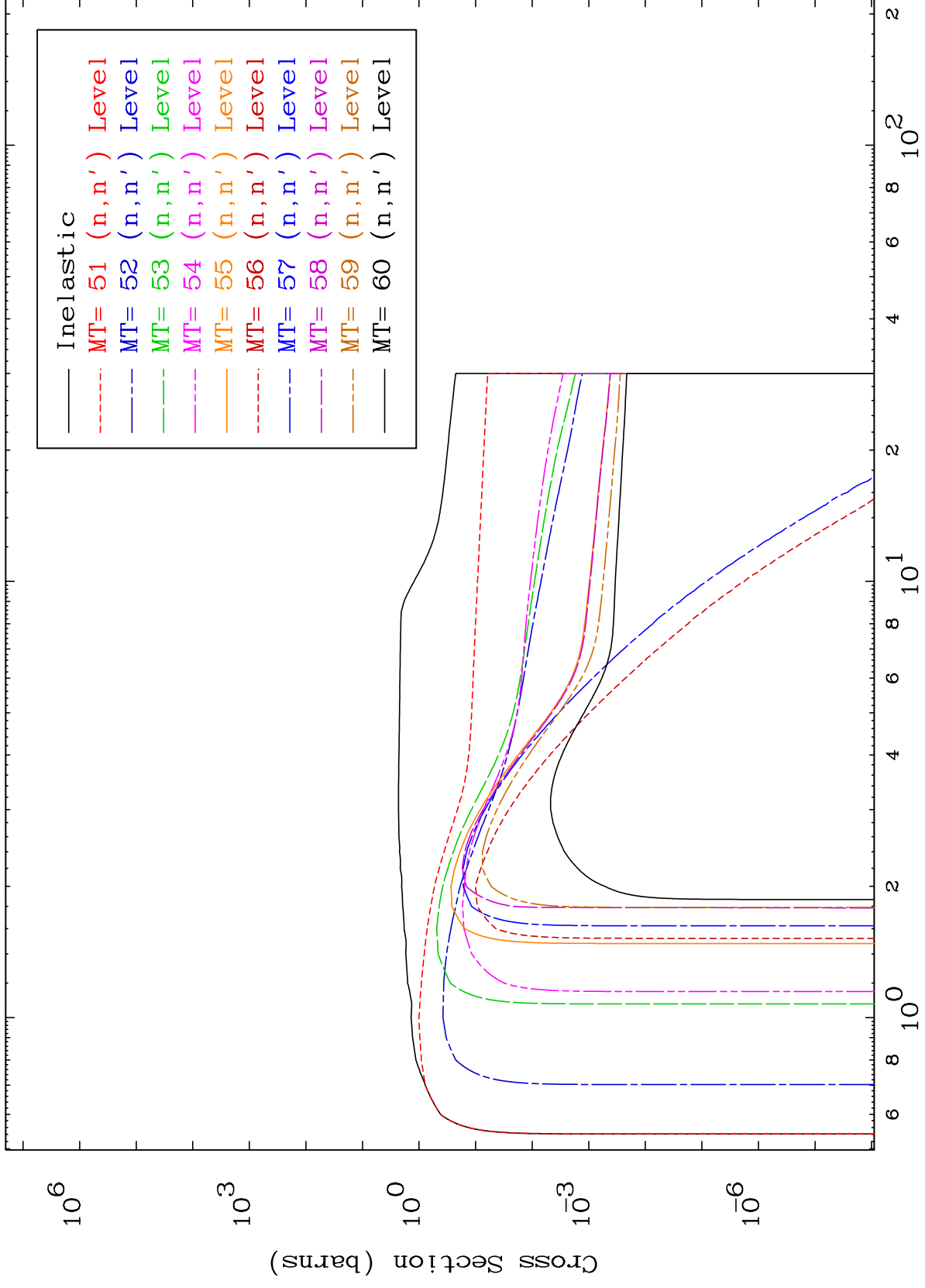
42-Mo-100

MAT 4249

(n,n') Level

42-Mo-100

293 Kelvin Cross Sections



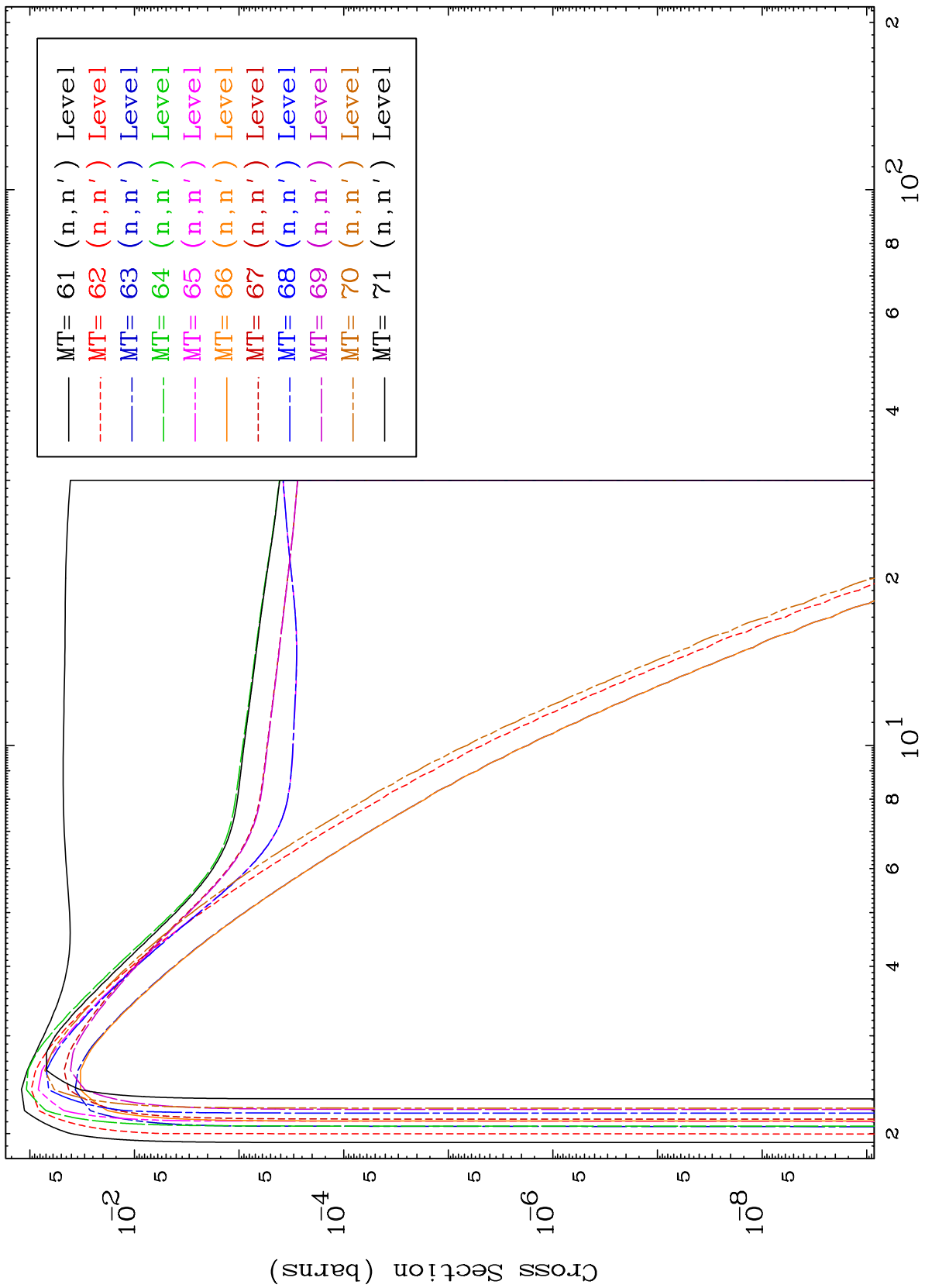


MAT 4249

(n,n') Level

42-Mo-100

293 Kelvin Cross Sections



8

Incident Energy (MeV)

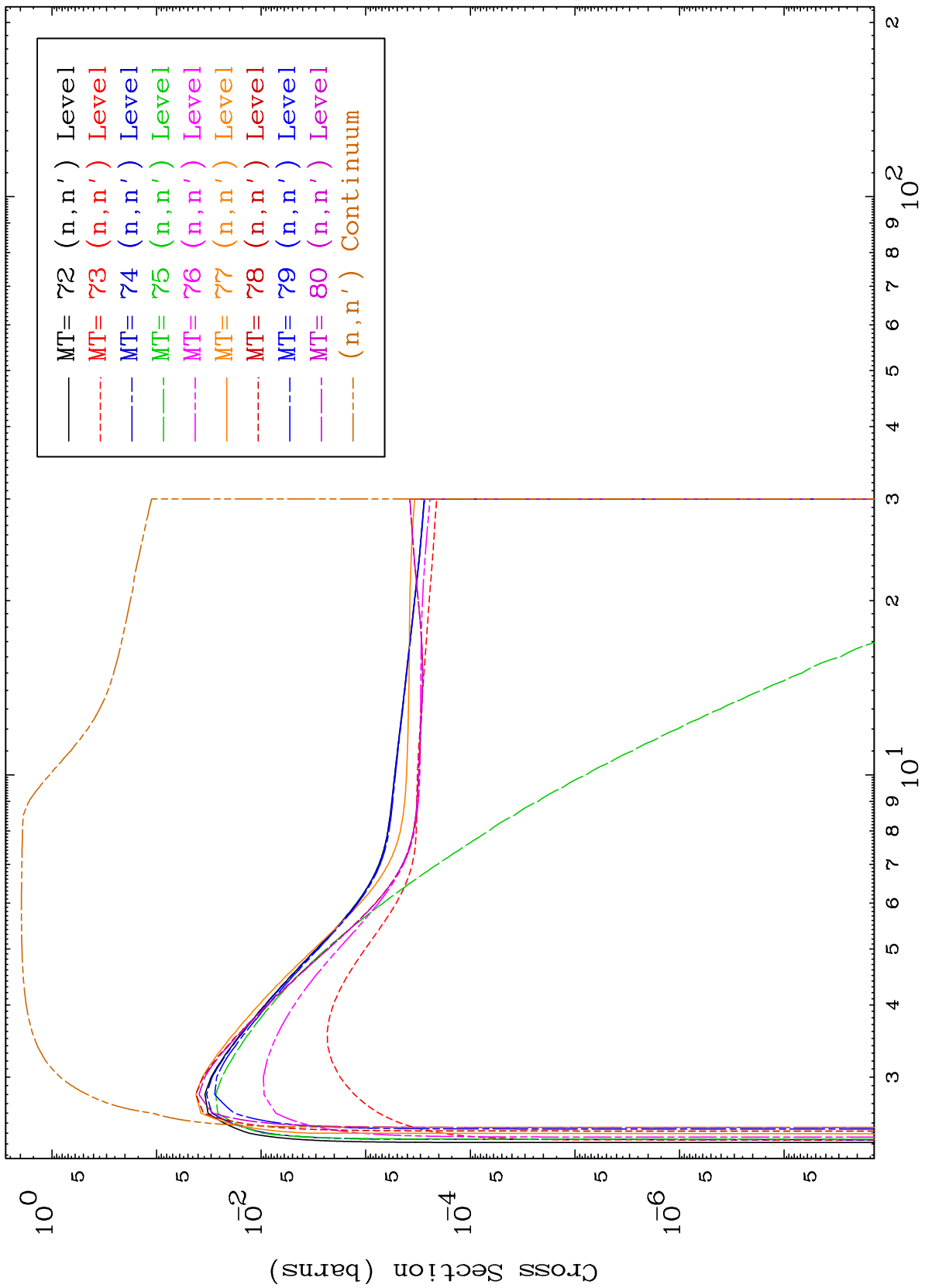
42-Mo-100

MAT 4249

(n,n') Level

42-Mo-100

293 Kelvin Cross Sections



9

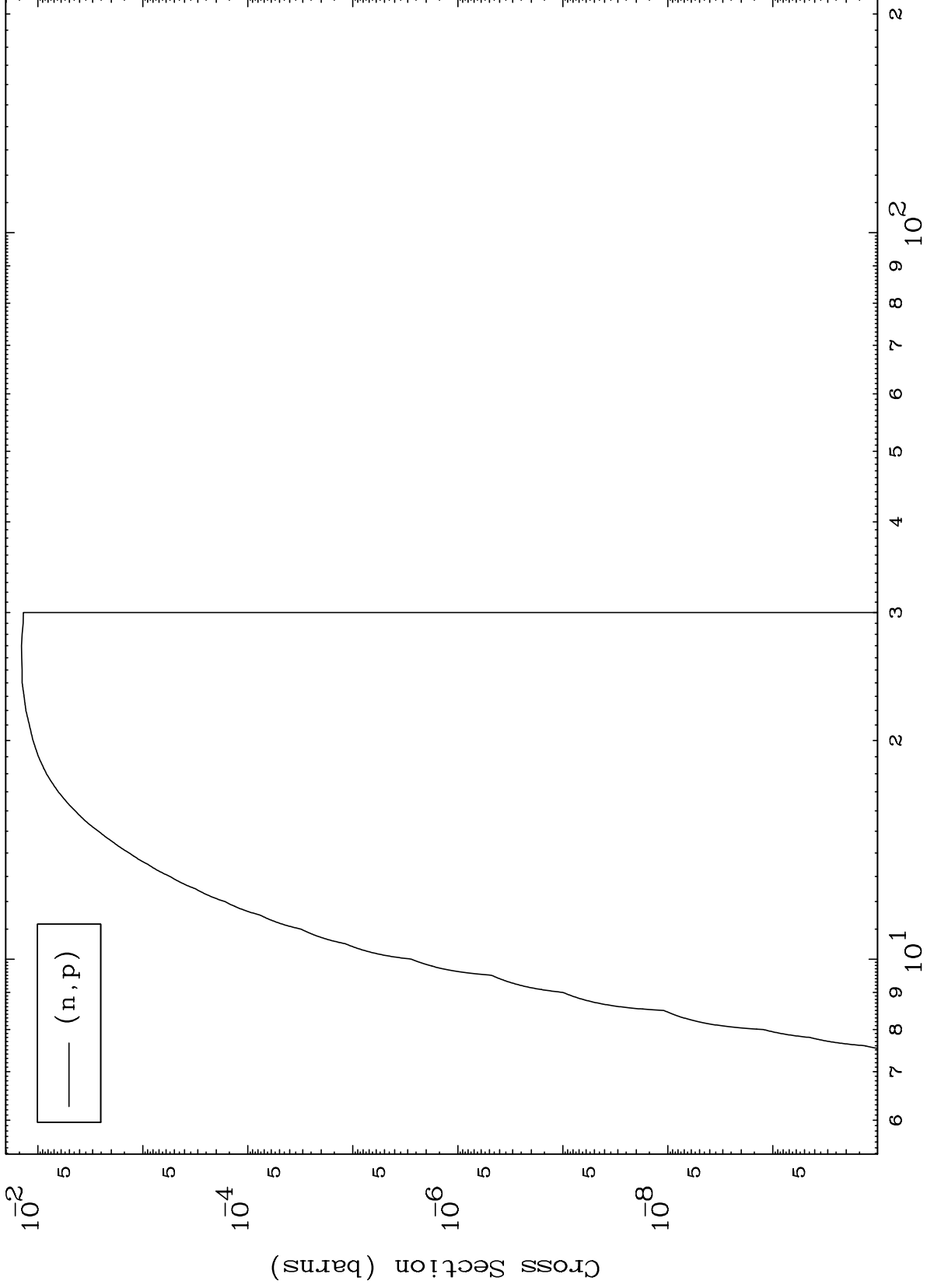
Incident Energy (MeV)

42-Mo-100

MAT 4249

(n,p) Levels  
293 Kelvin Cross Sections

42-Mo-100



10

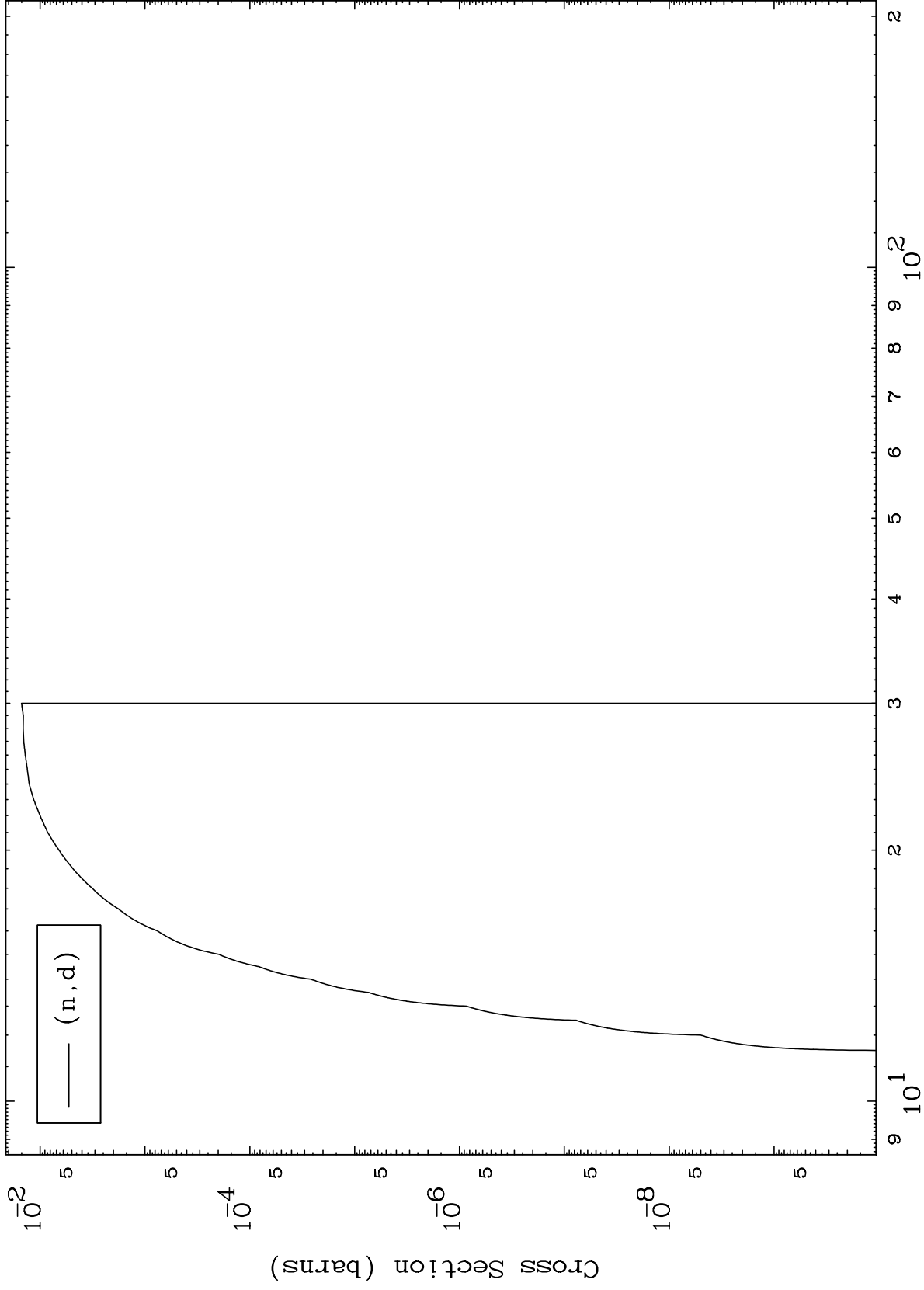
Incident Energy (MeV)

42-Mo-100

MAT 4249

(n,d) Levels  
293 Kelvin Cross Sections

42-Mo-100



11

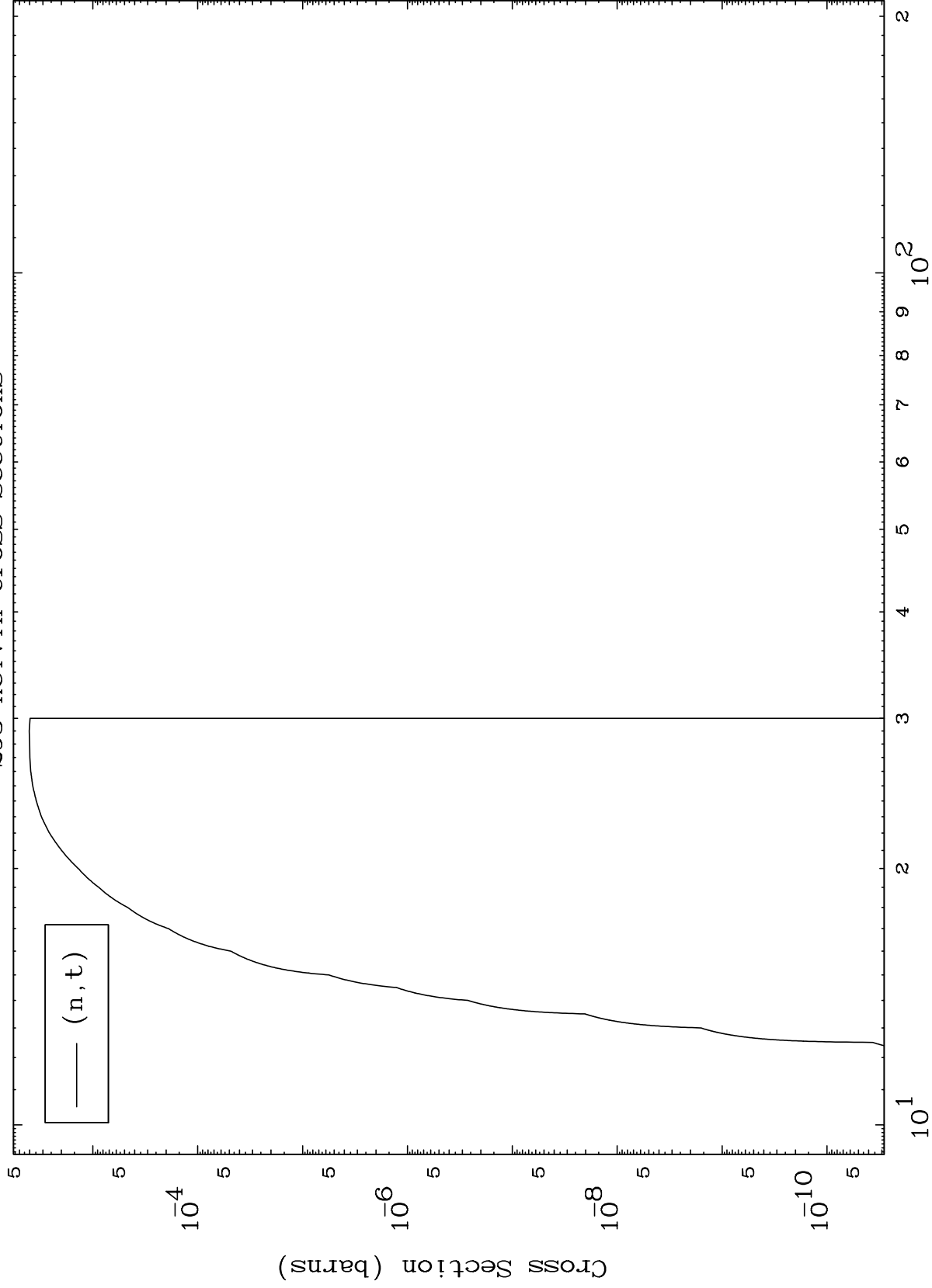
Incident Energy (MeV)

42-Mo-100

MAT 4249

(n,t) Levels  
293 Kelvin Cross Sections

42-Mo-100



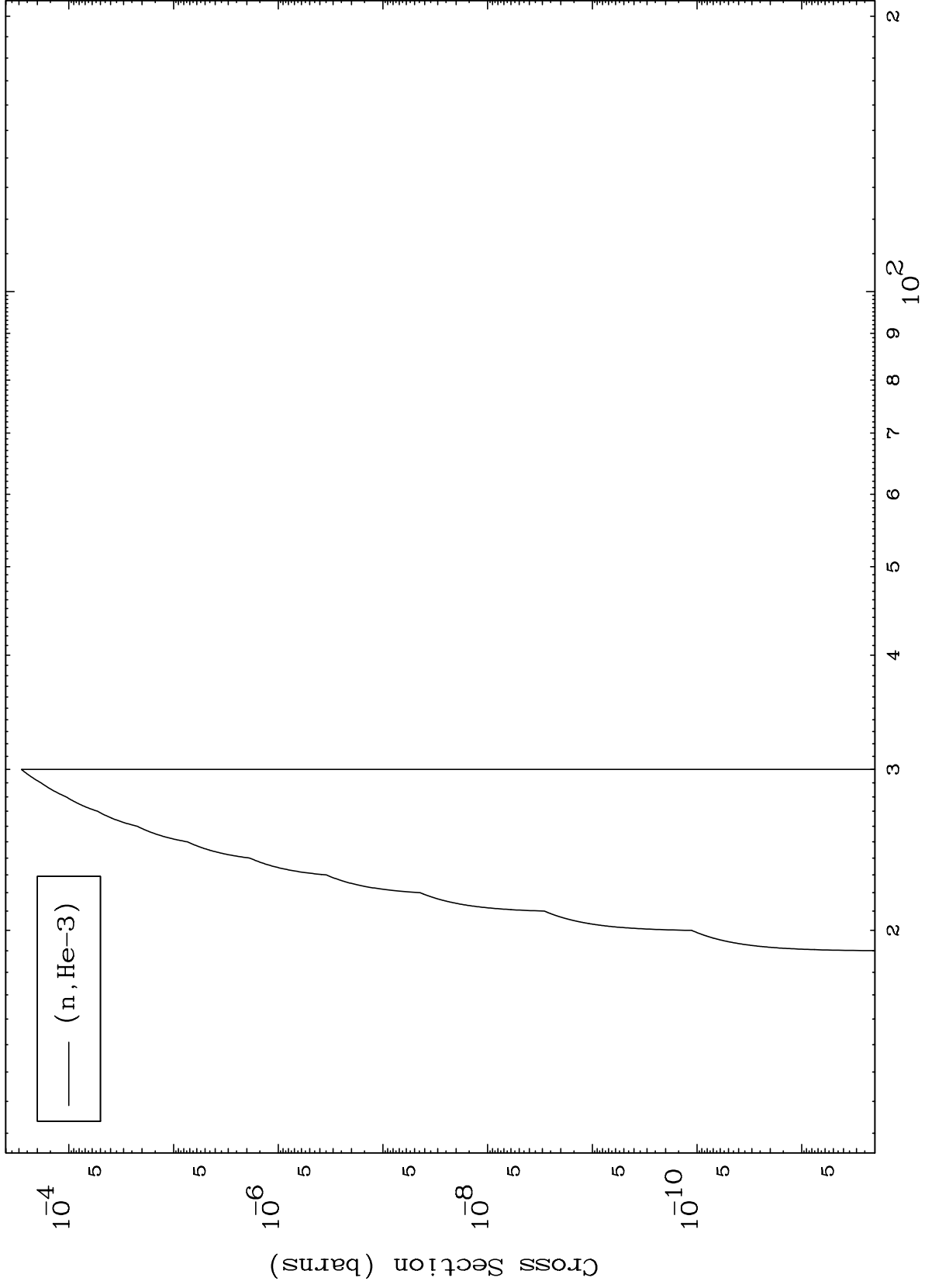
Incident Energy (MeV)

42-Mo-100

MAT 4249

(n,He3) Levels  
293 Kelvin Cross Sections

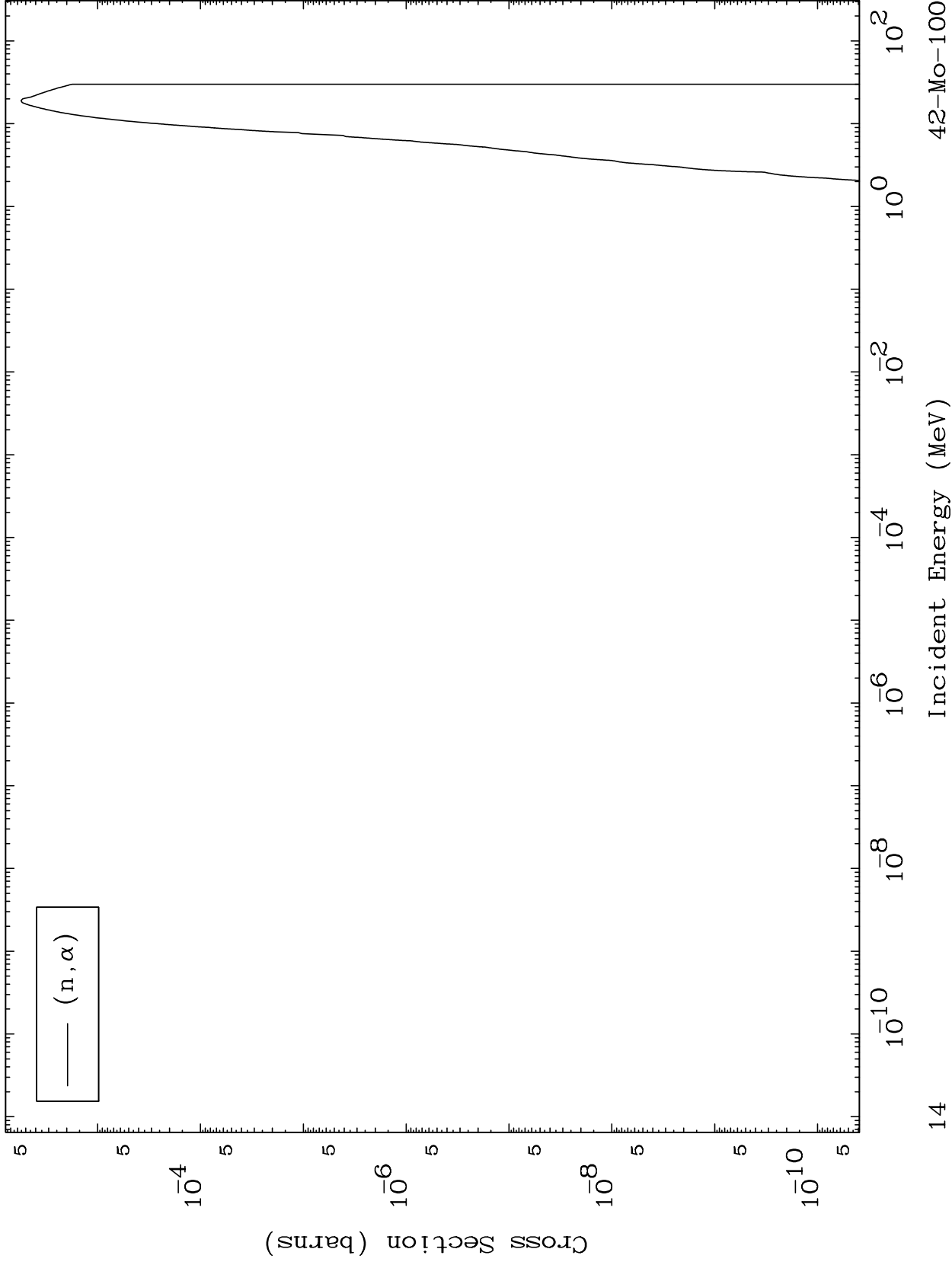
42-Mo-100

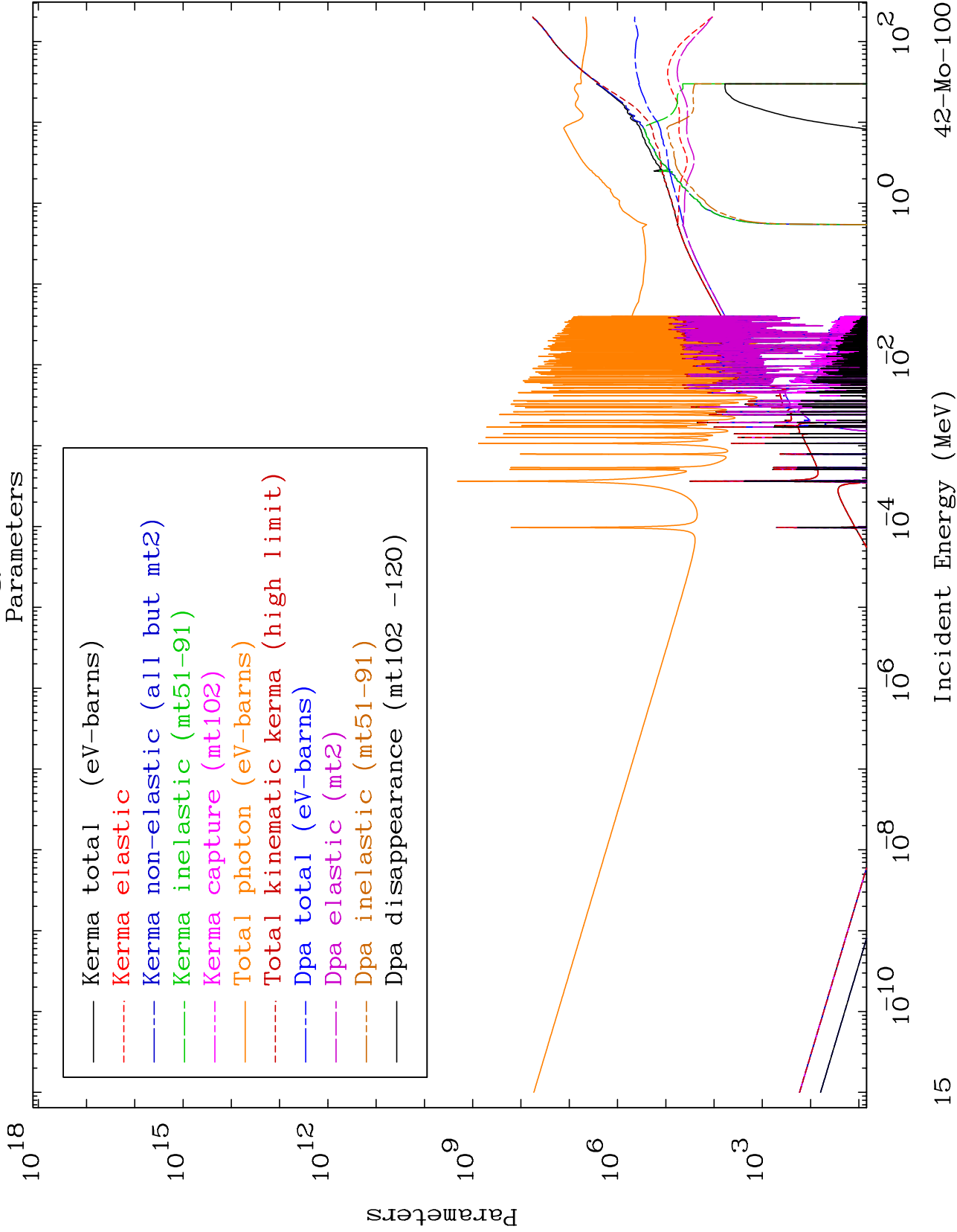


MAT 4249

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

42-Mo-100



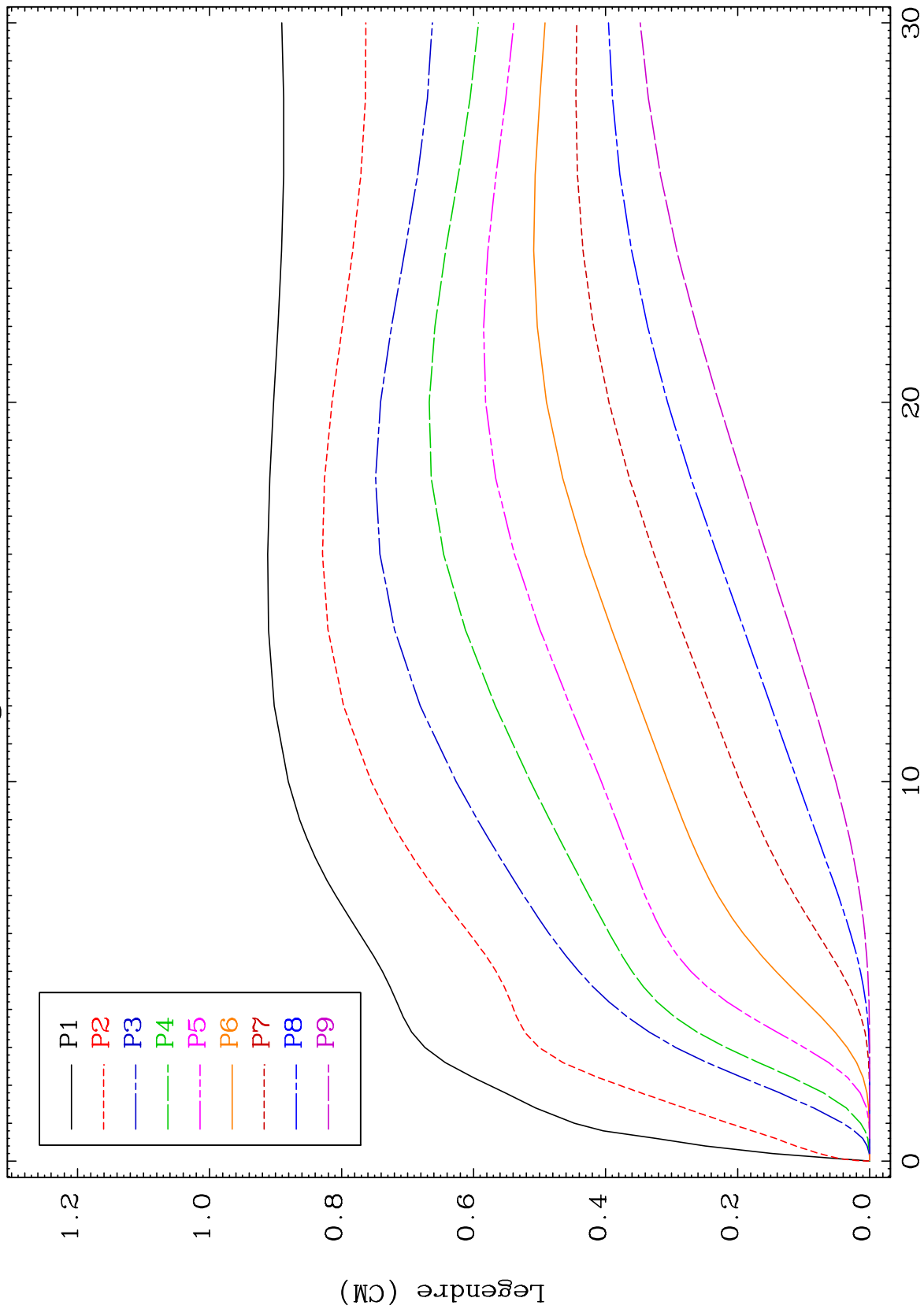




MAT 4249

Elastic Legendre Coefficients

42-Mo-100



16

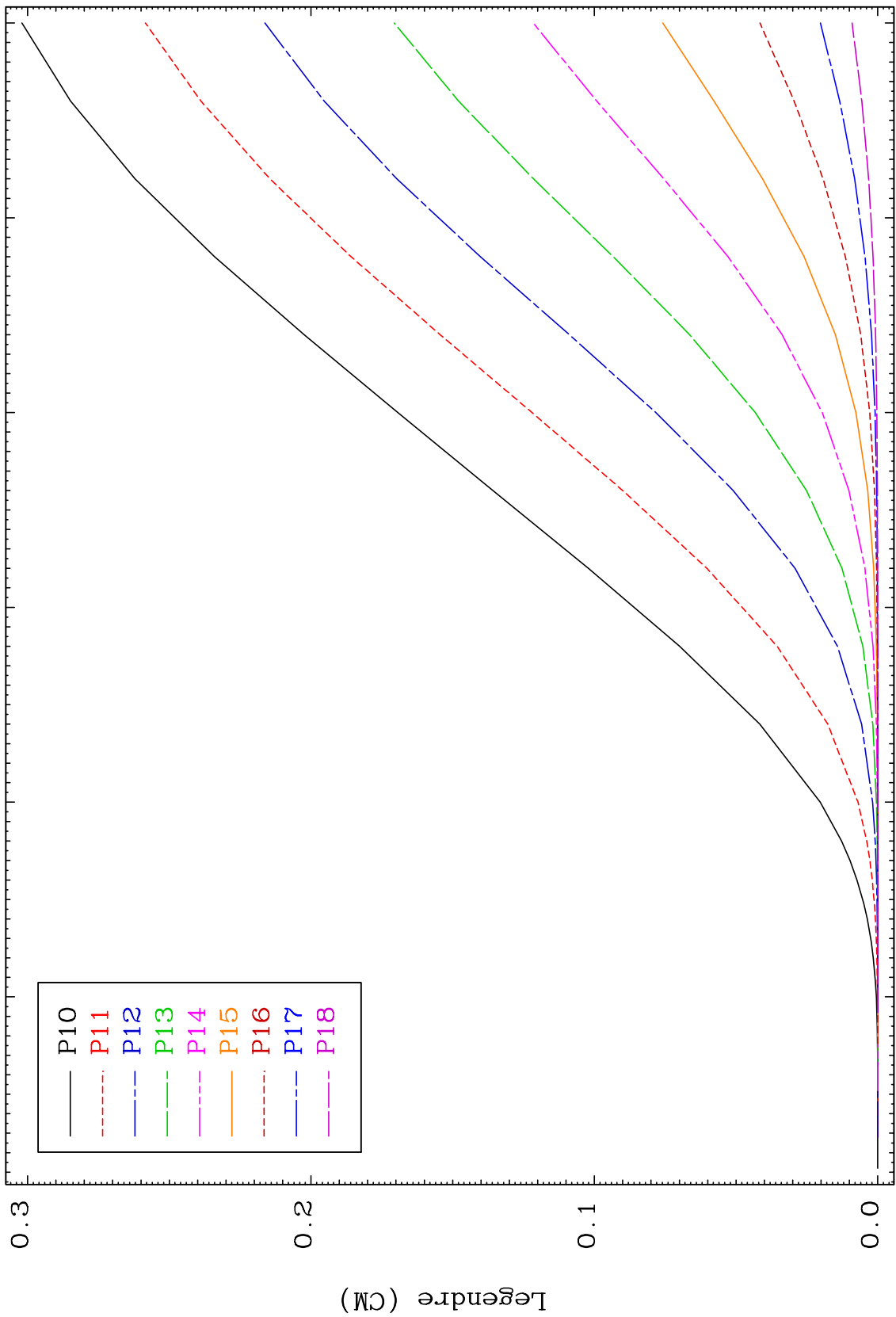
Incident Energy (MeV)

42-Mo-100

MAT 4249

Elastic Legendre Coefficients

42-Mo-100



17

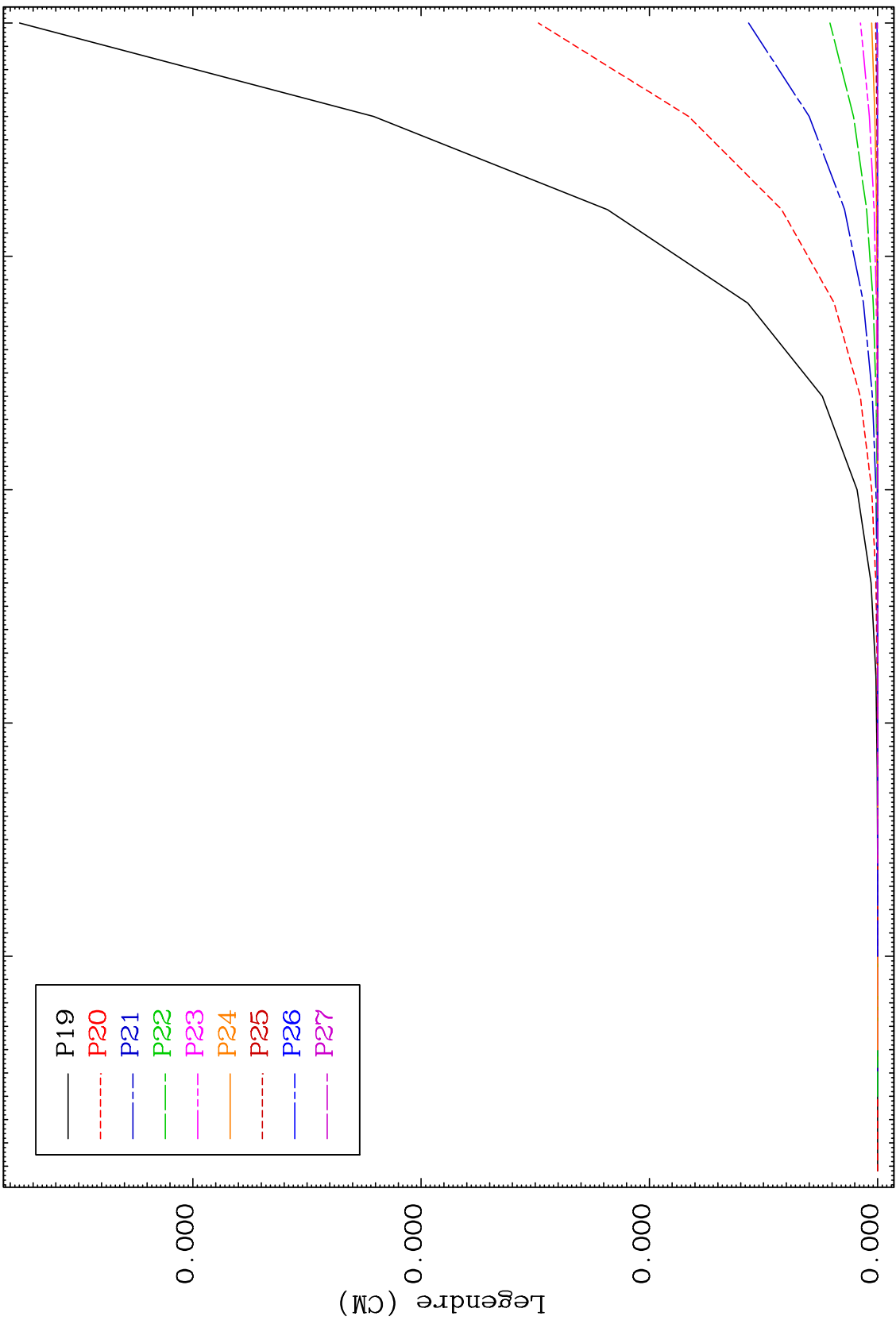
Incident Energy (MeV)

42-Mo-100

MAT 4249

### Elastic Legendre Coefficients

42-Mo-100



18

Incident Energy (MeV)

42-Mo-100

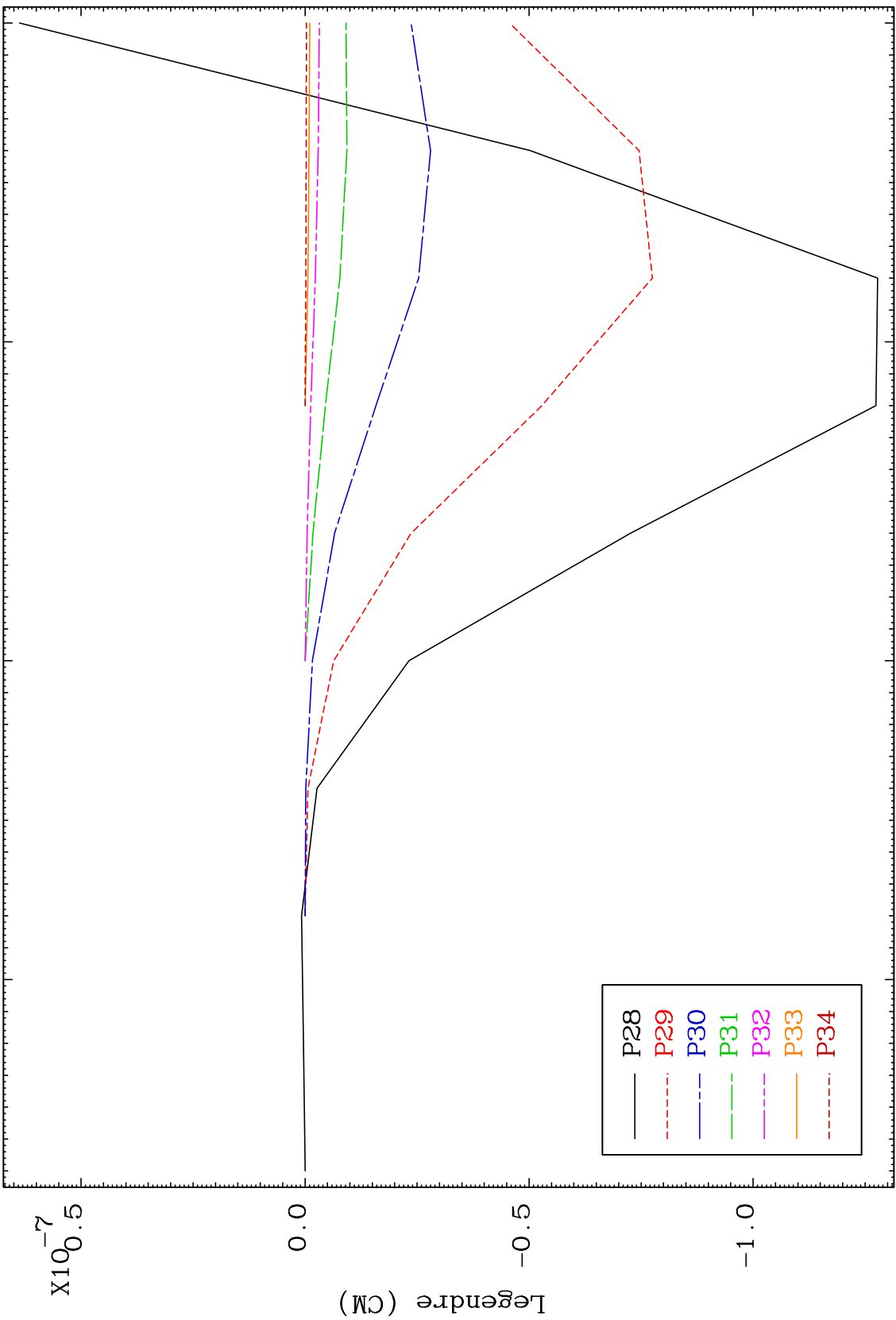
30

MAT 4249

Elastic Legendre Coefficients

42-Mo-100

$\times 10^{-7}$



30

25

20

15

19

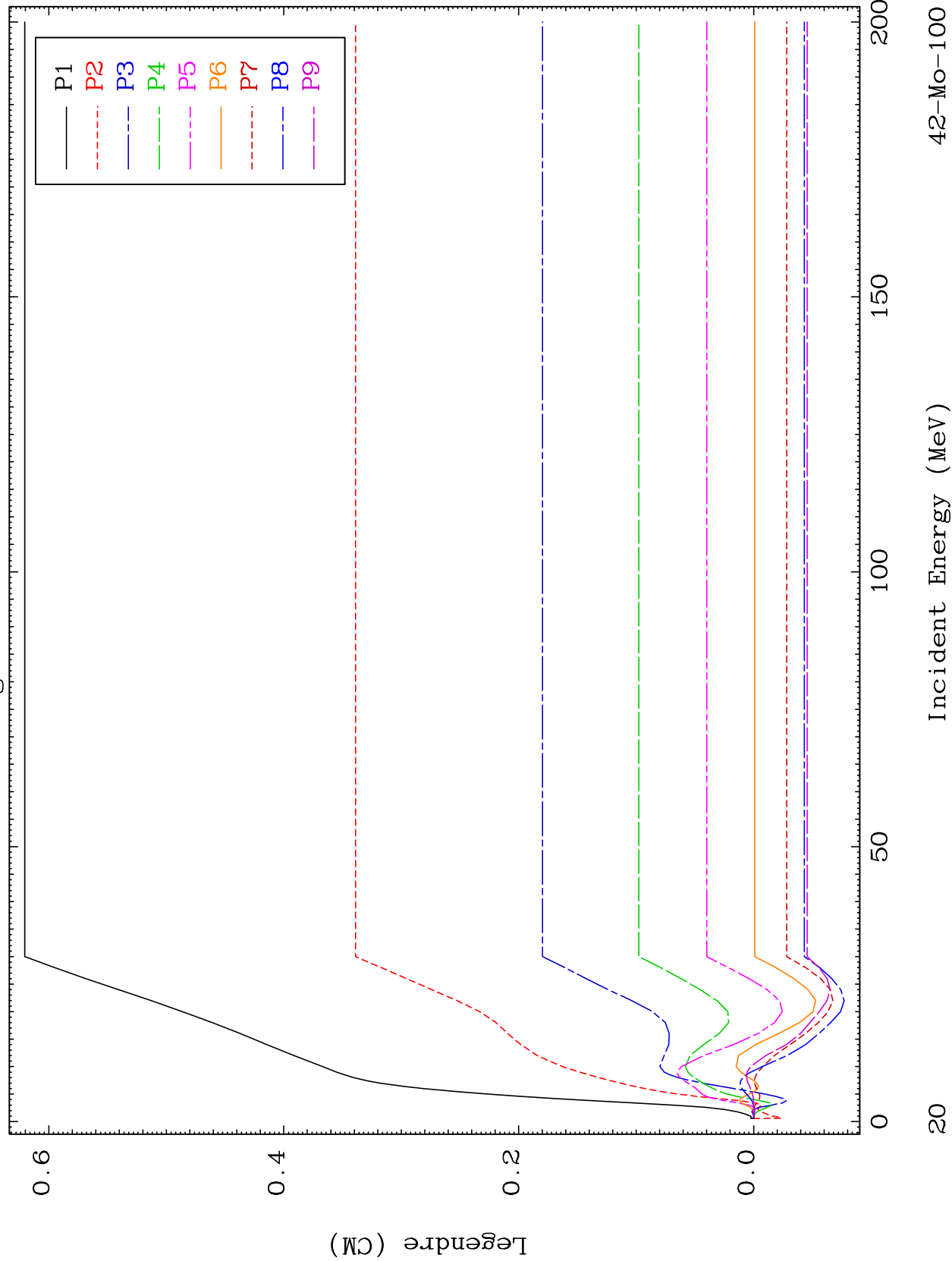
Incident Energy (MeV)

42-Mo-100

MAT 4249

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

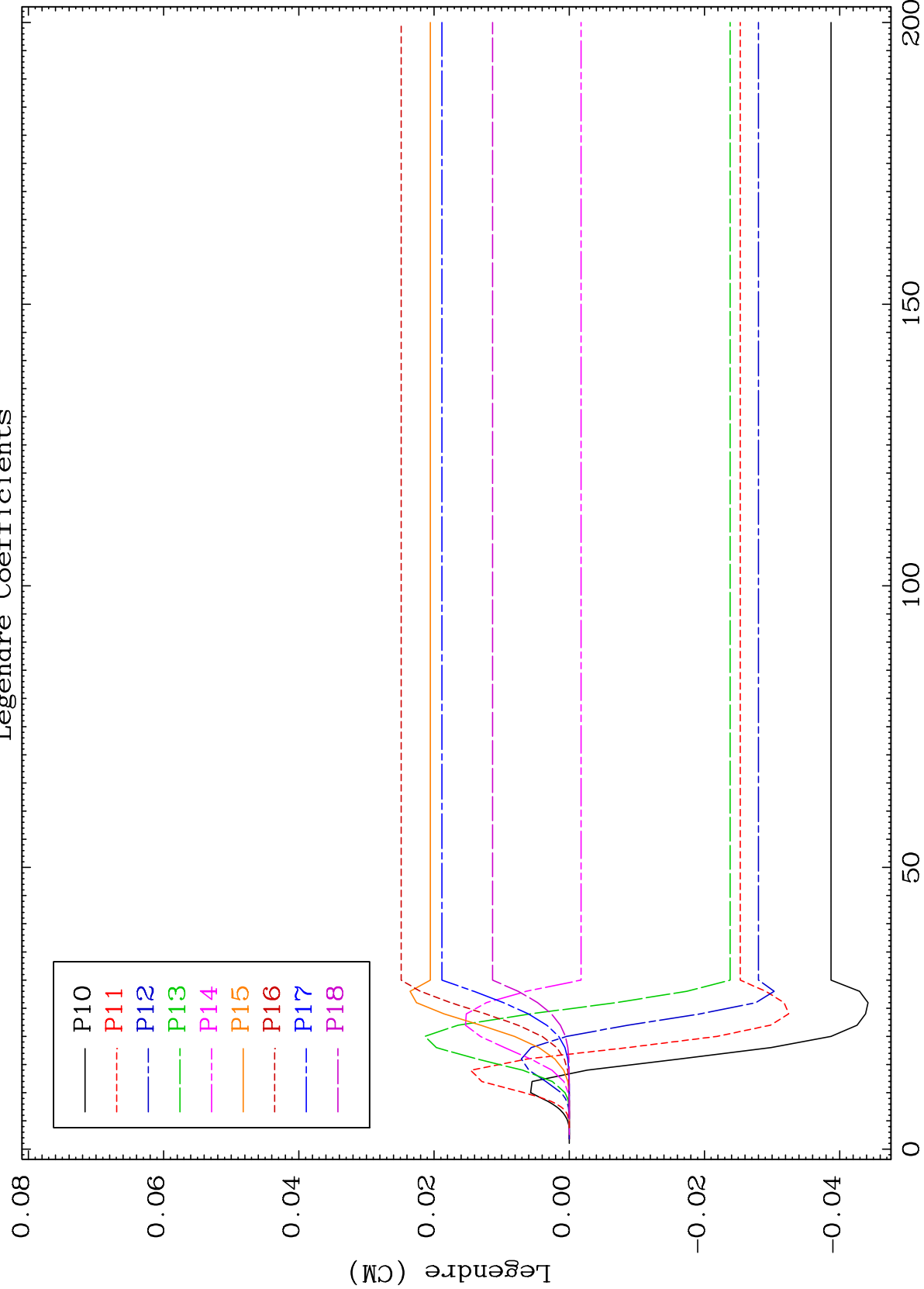
42-Mo-100



MAT 4249

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

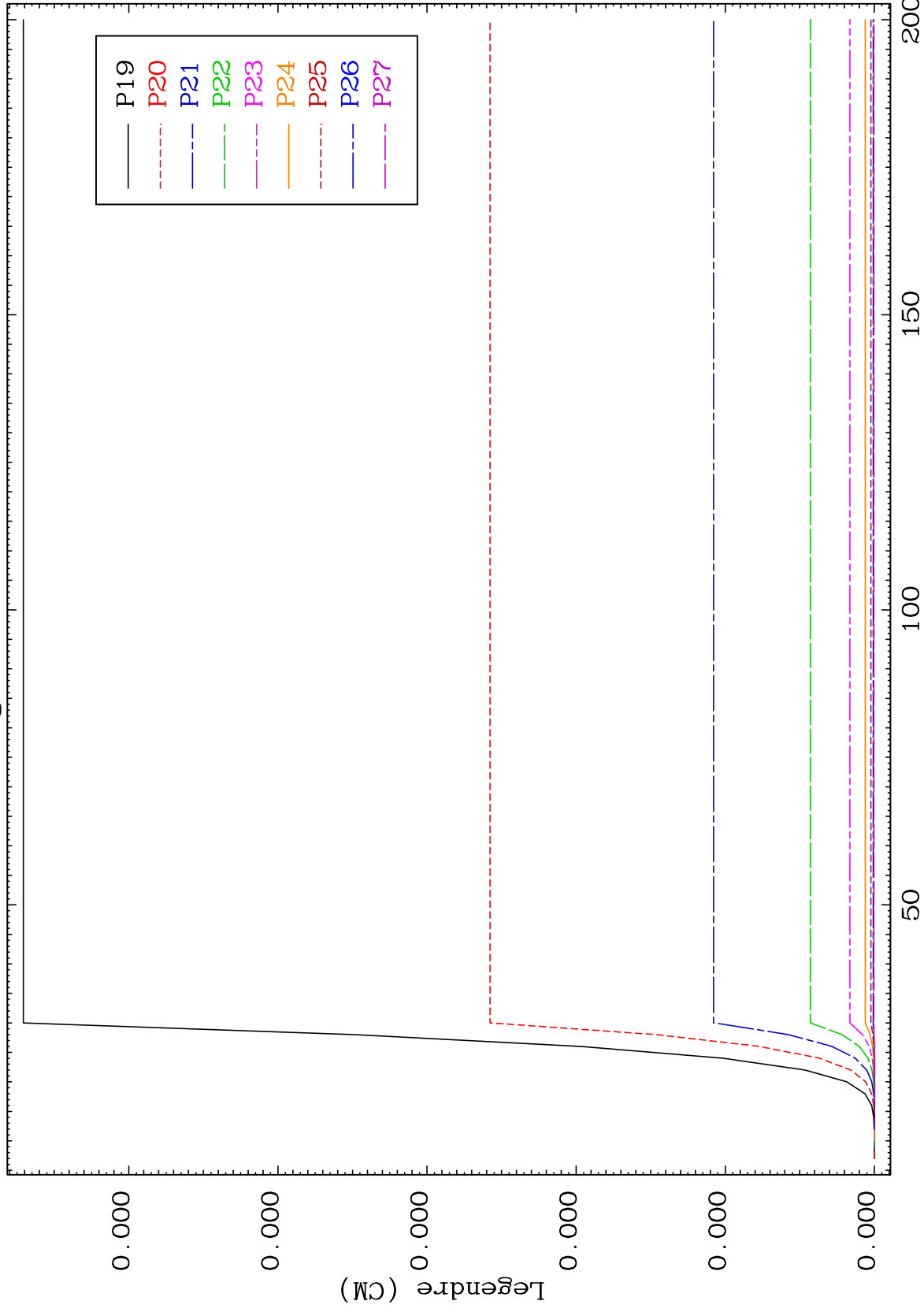
42-Mo-100



MAT 4249

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

42-Mo-100



22

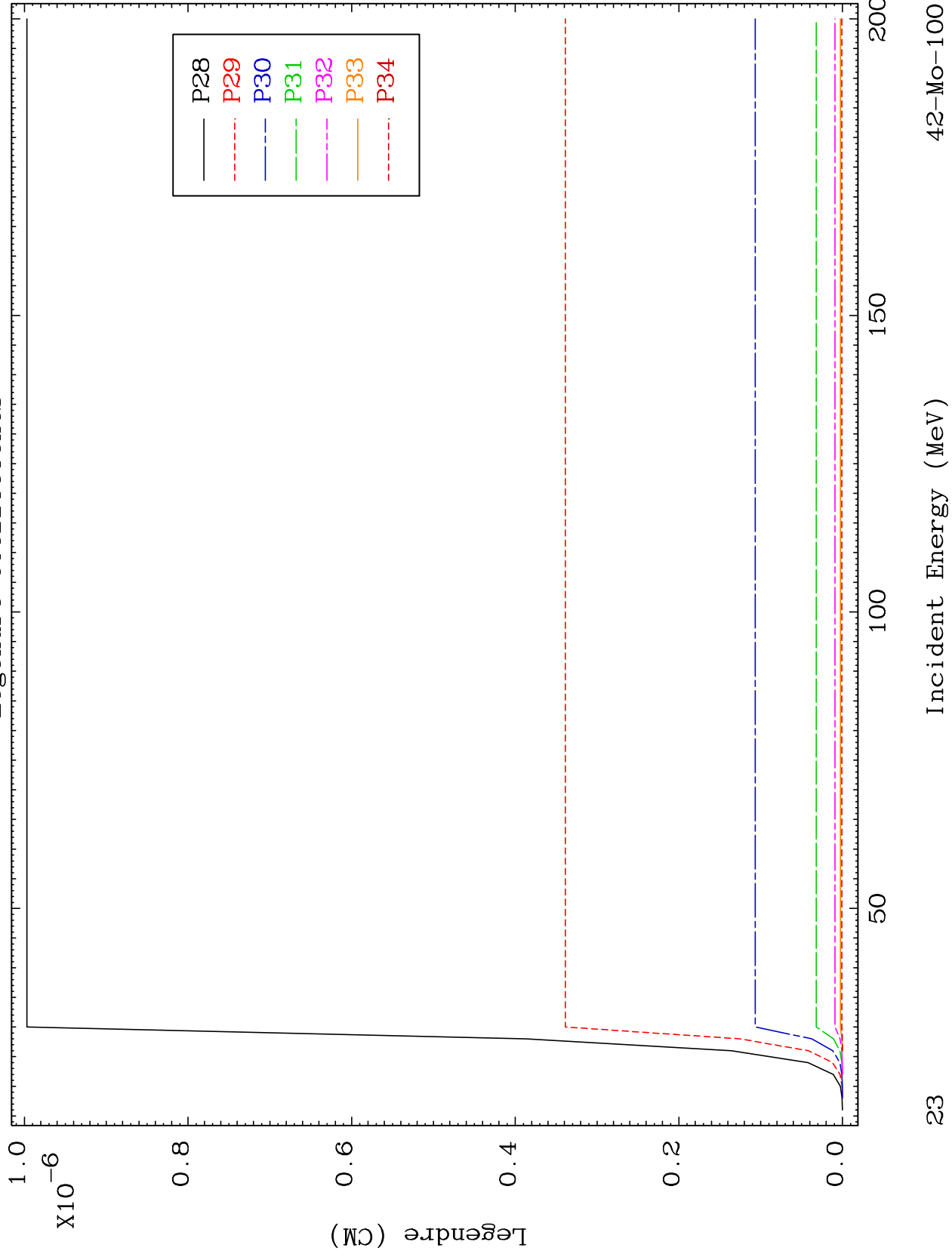
Incident Energy (MeV)

42-Mo-100

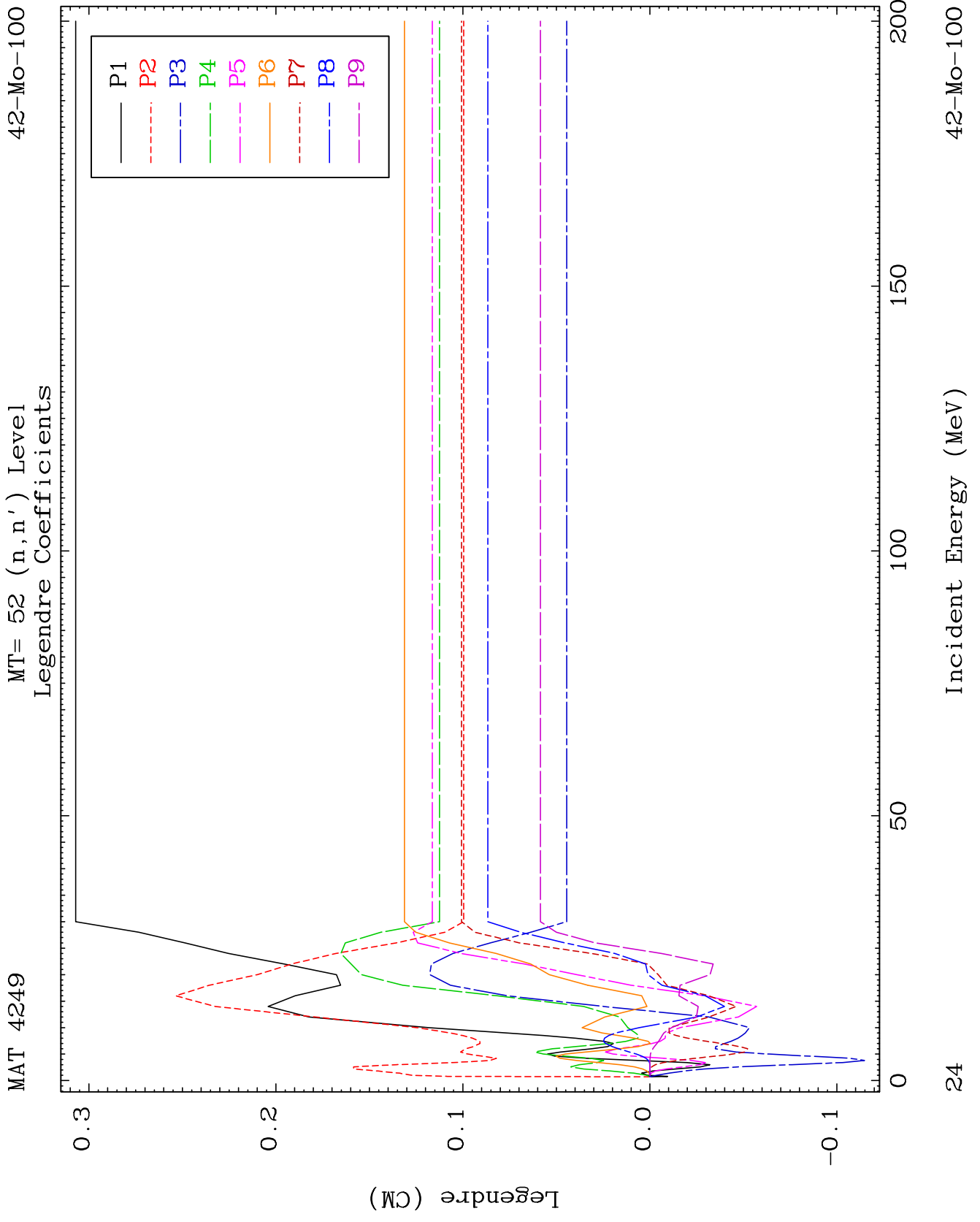
MAT 4249

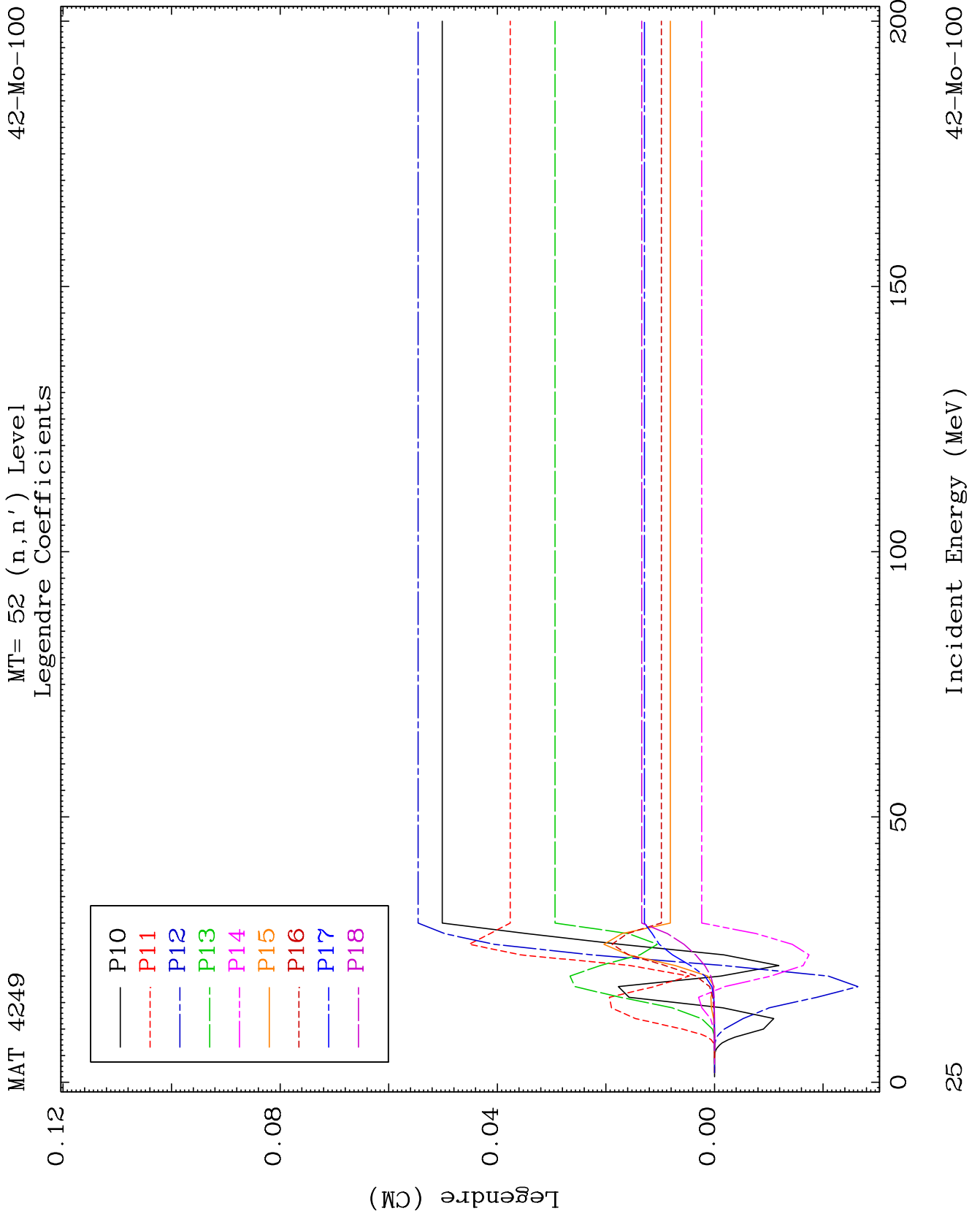
MT= 51 (n,n') Level  
Legendre Coefficients

42-Mo-100





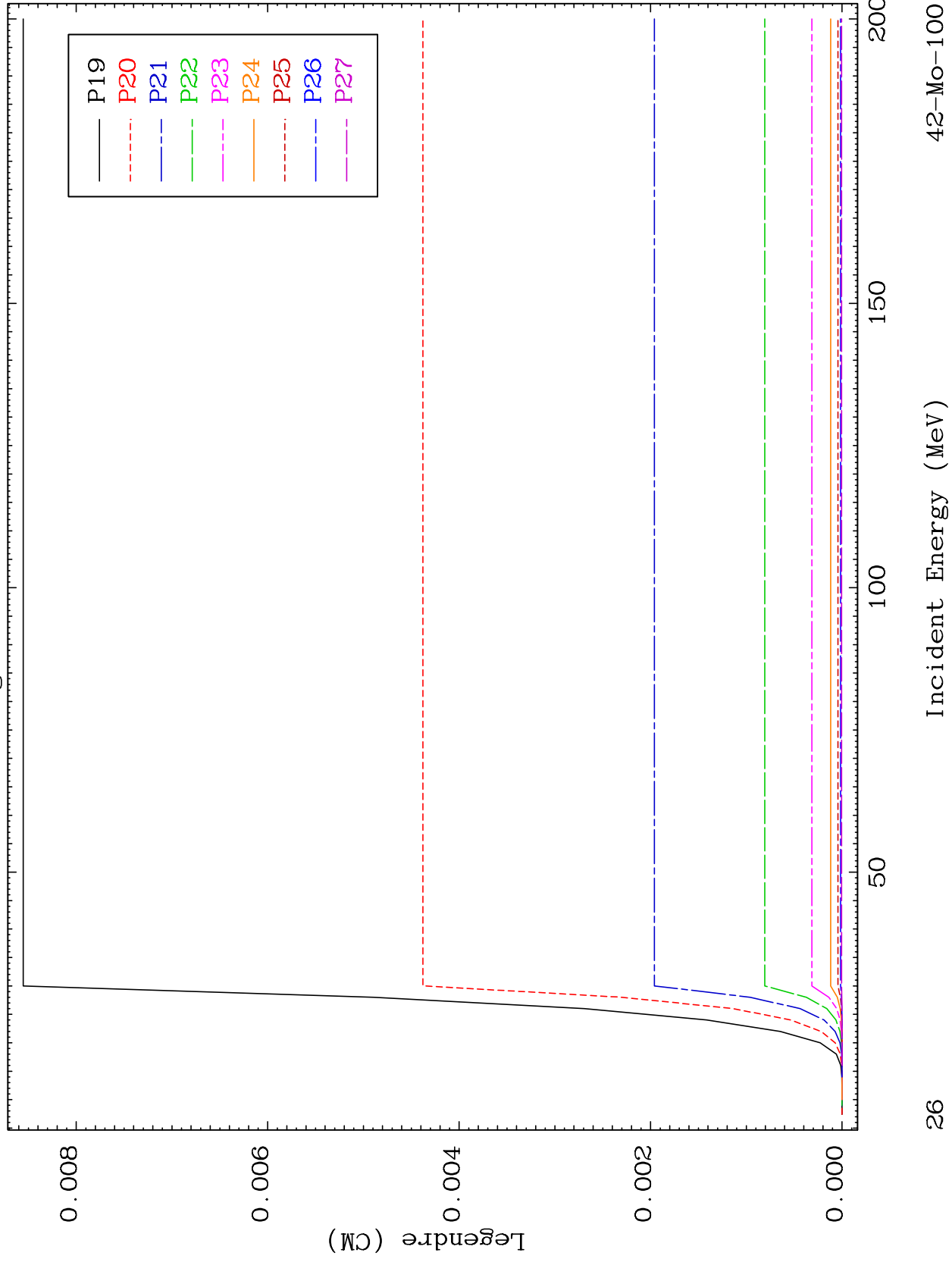




MAT 4249

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

42-Mo-100



26

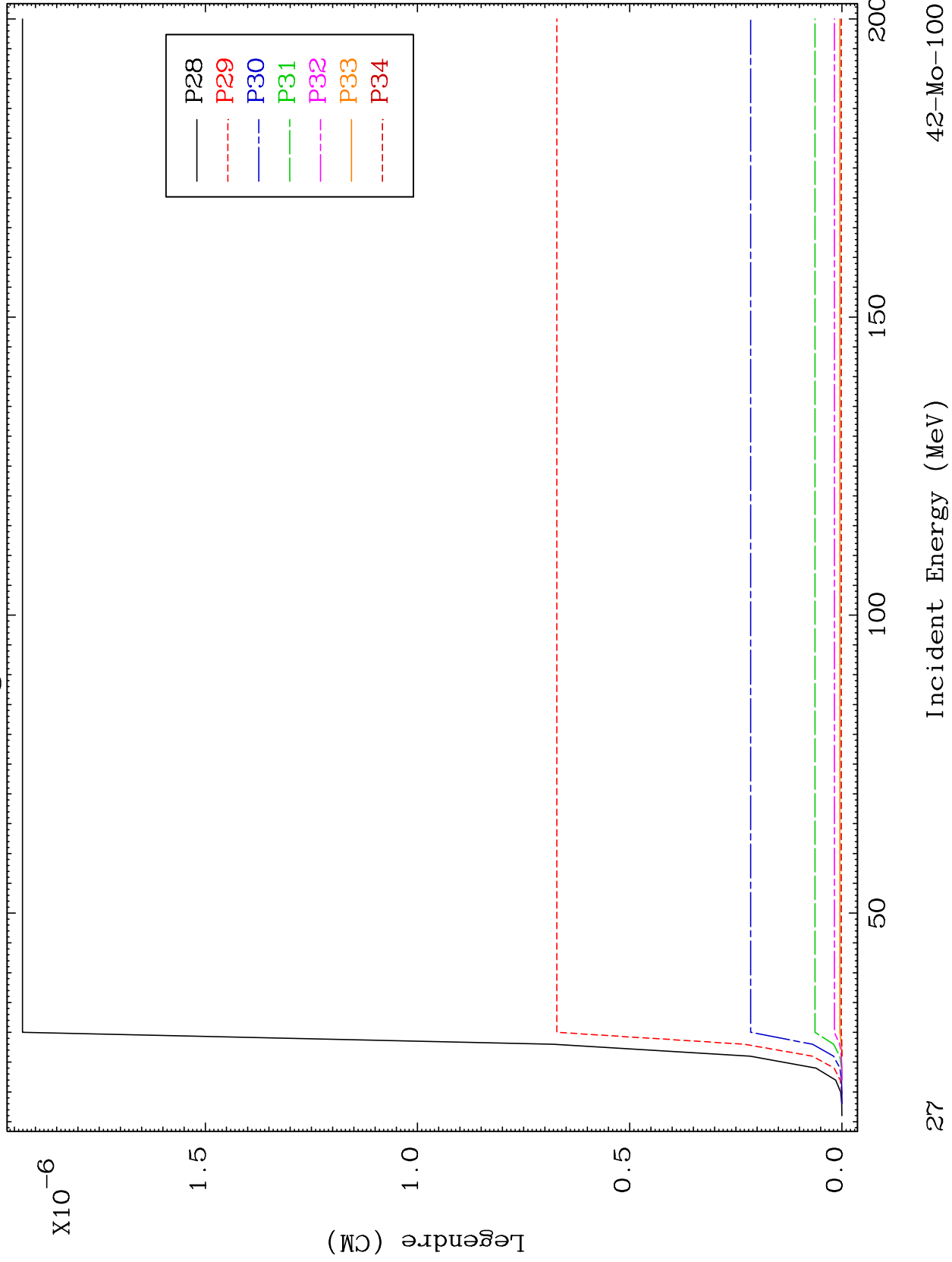
Incident Energy (MeV)

42-Mo-100

MAT 4249

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

42-Mo-100



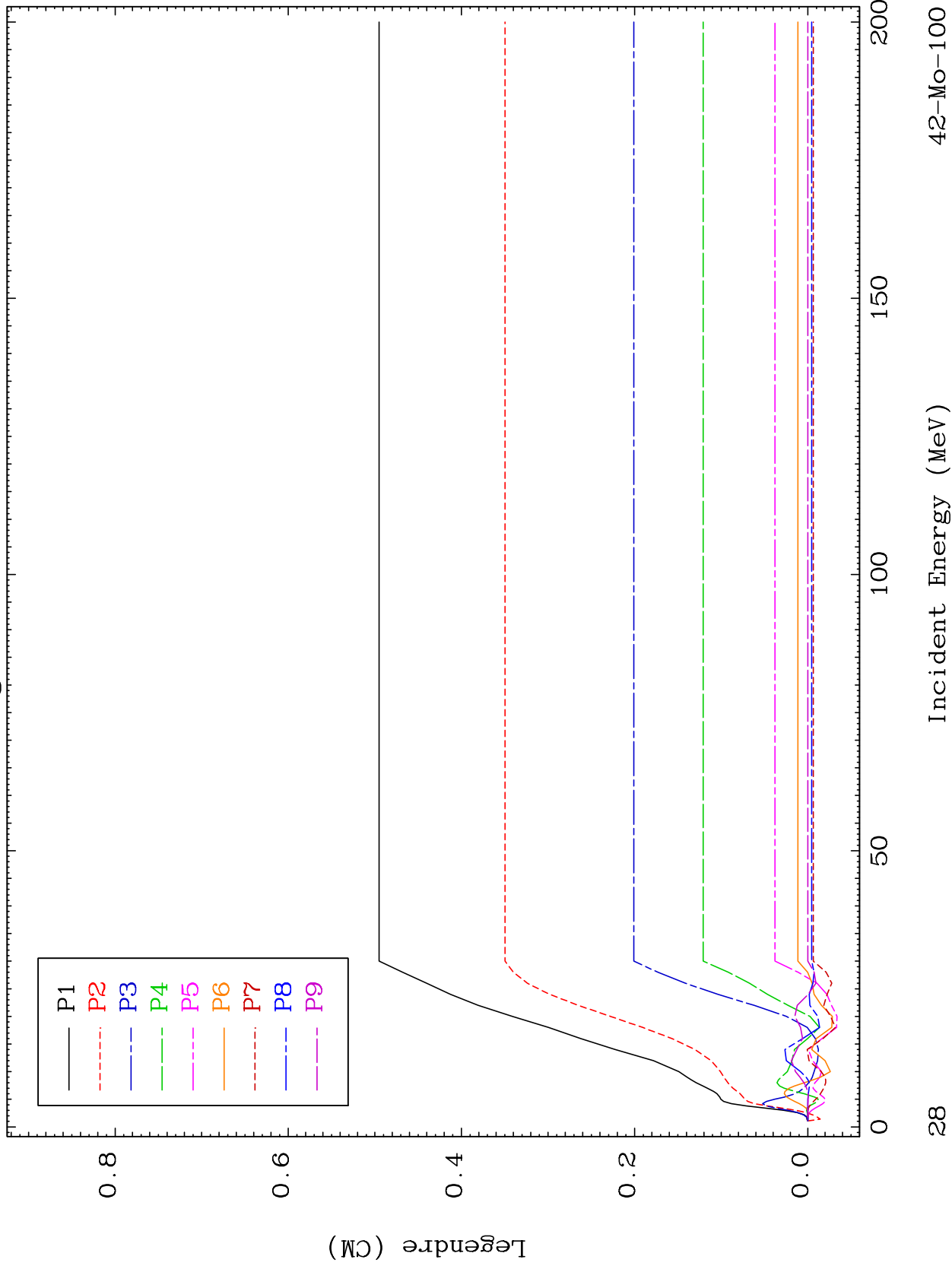
27

42-Mo-100

MAT 4249

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

42-Mo-100



28

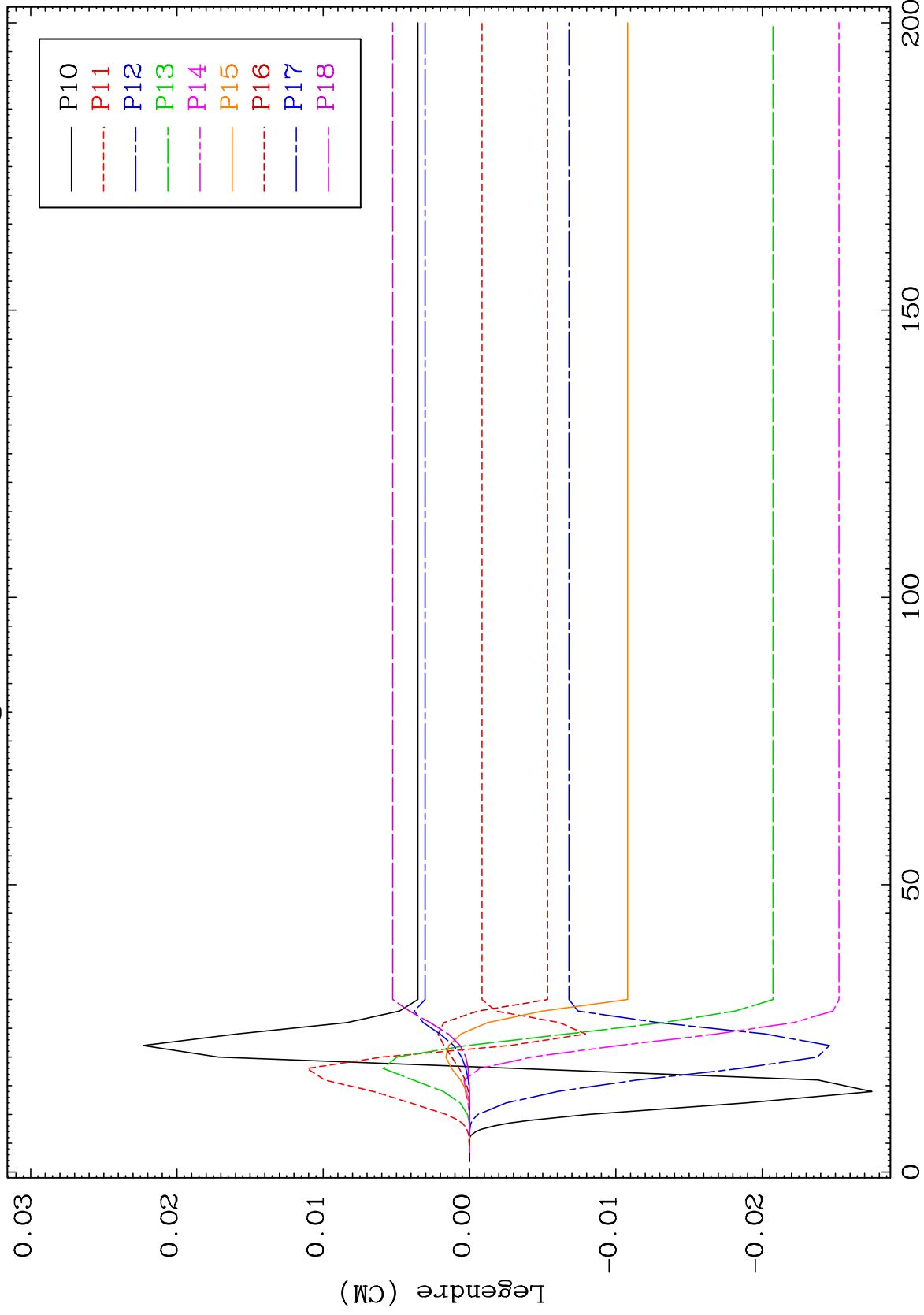
Incident Energy (MeV)

42-Mo-100

MAT 4249

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

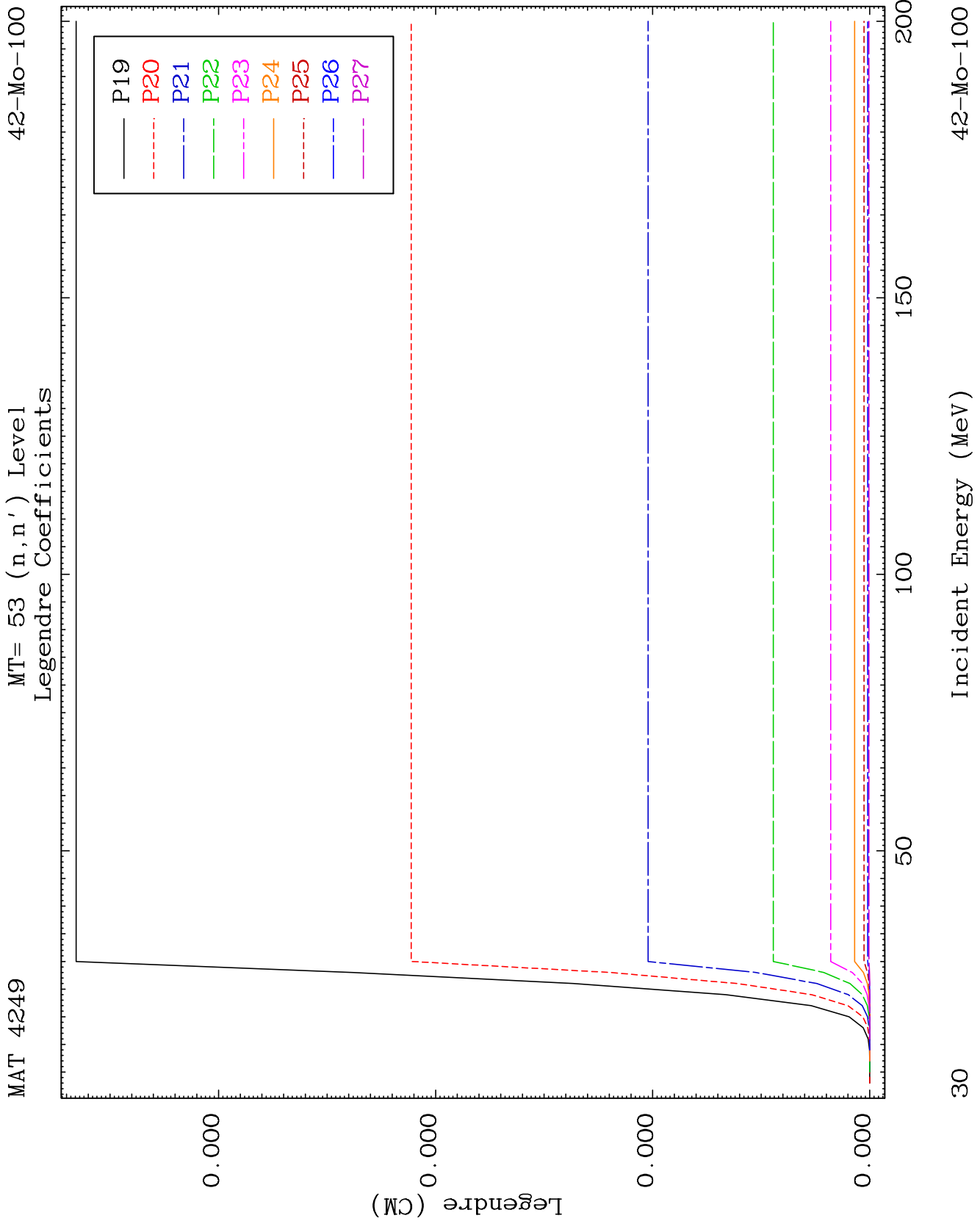
42-Mo-100



29

Incident Energy (MeV)

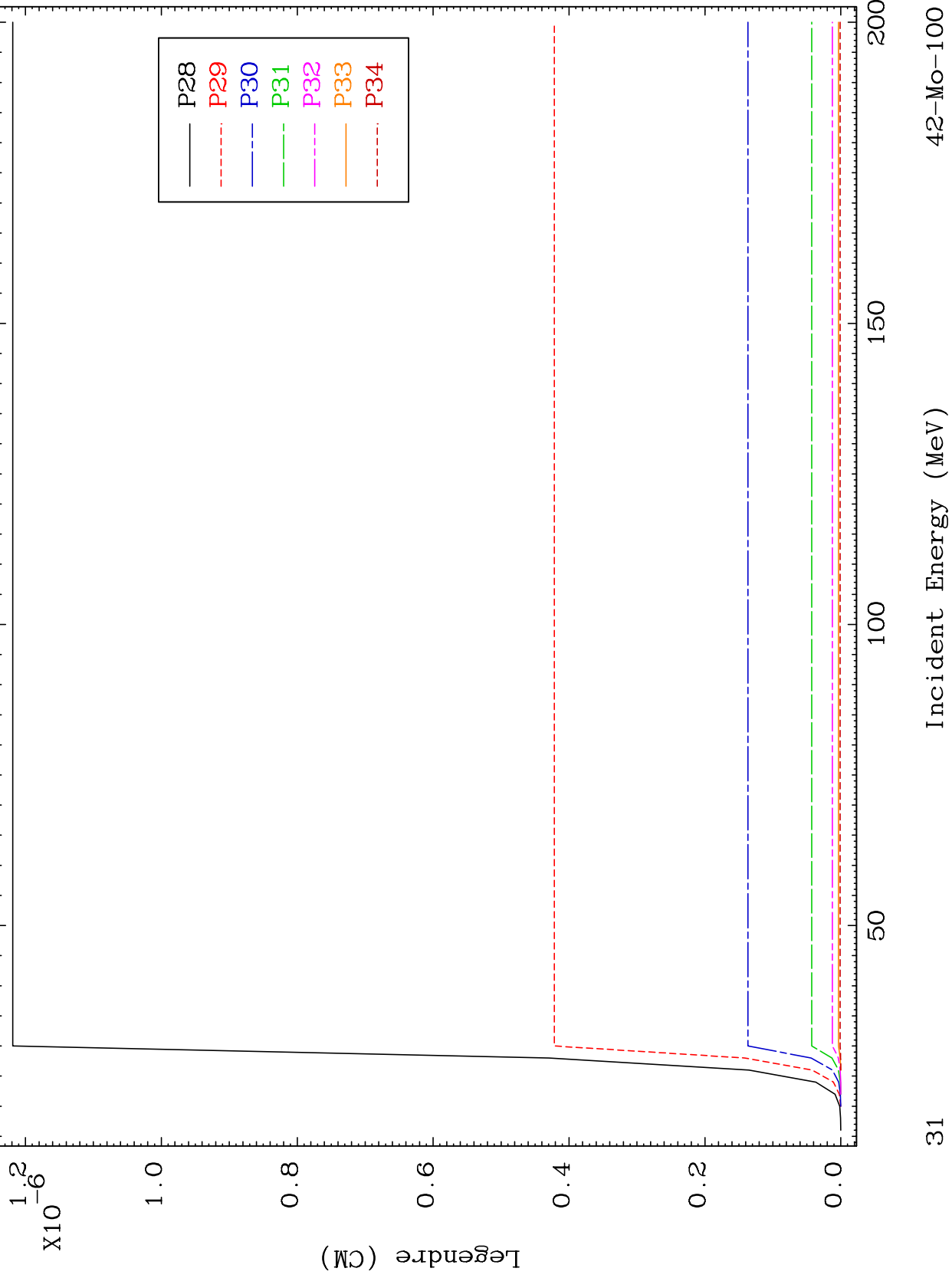
42-Mo-100



MAT 4249

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

42-Mo-100



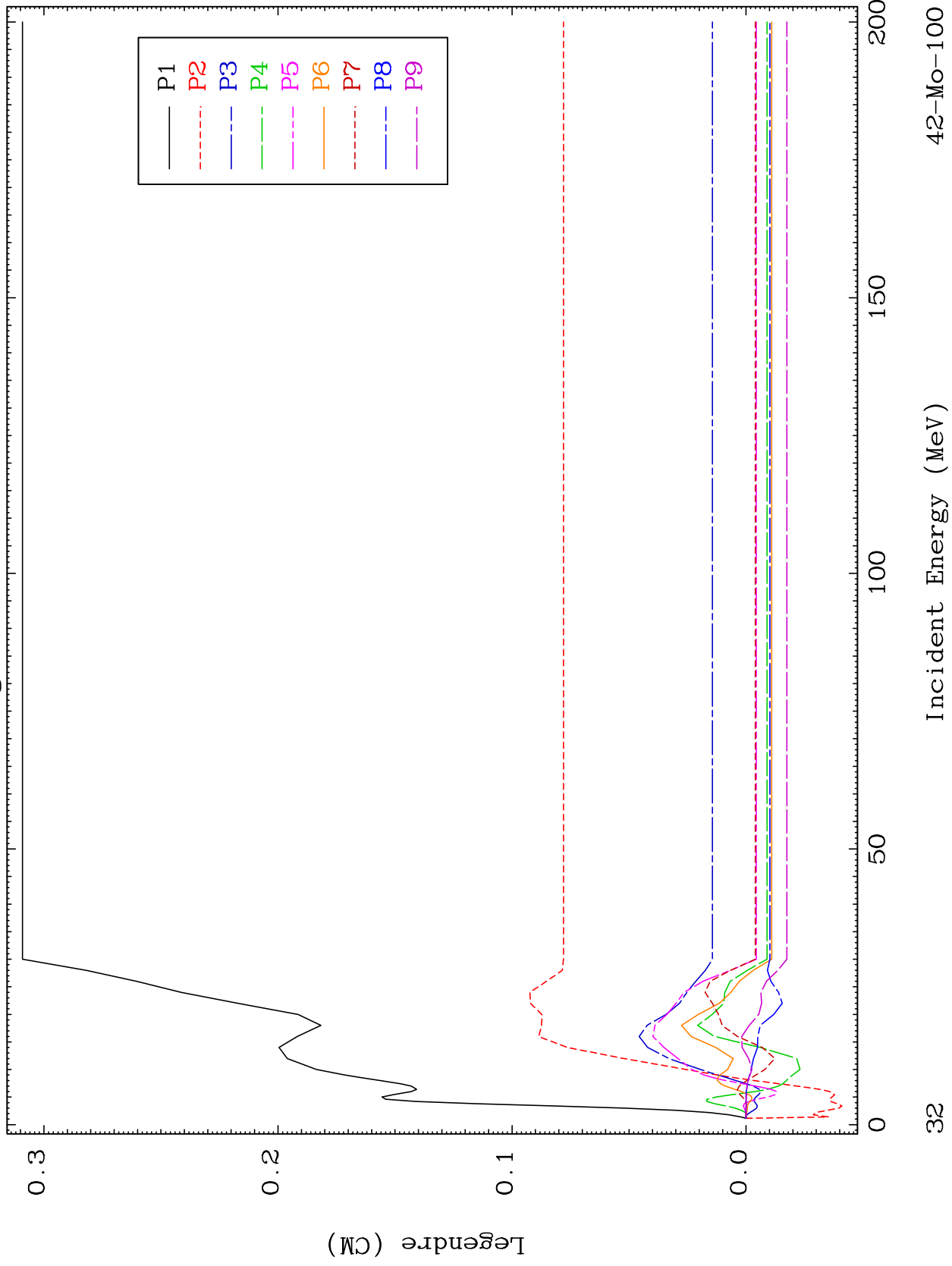
31



MAT 4249

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

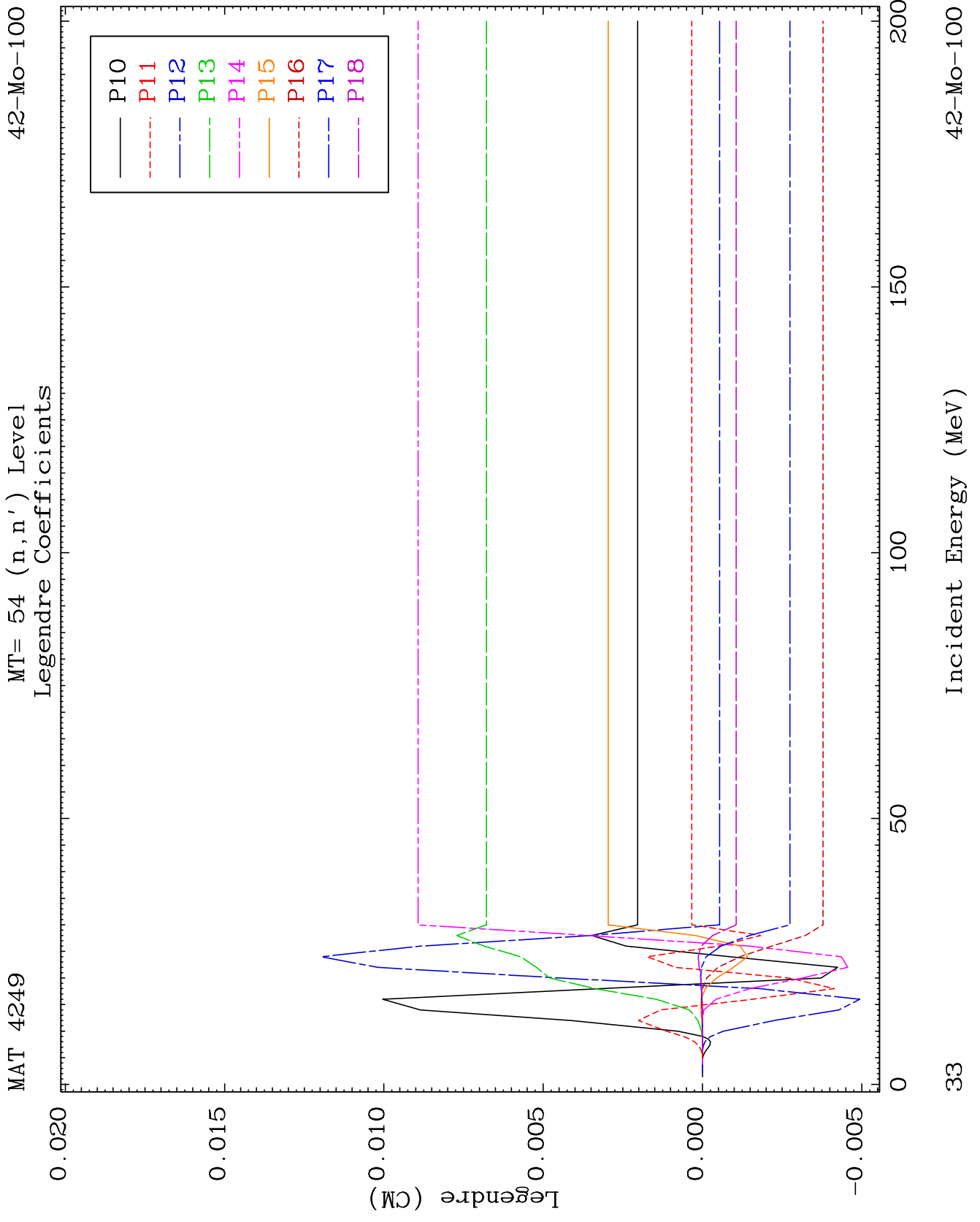
42-Mo-100



32

Incident Energy (MeV)

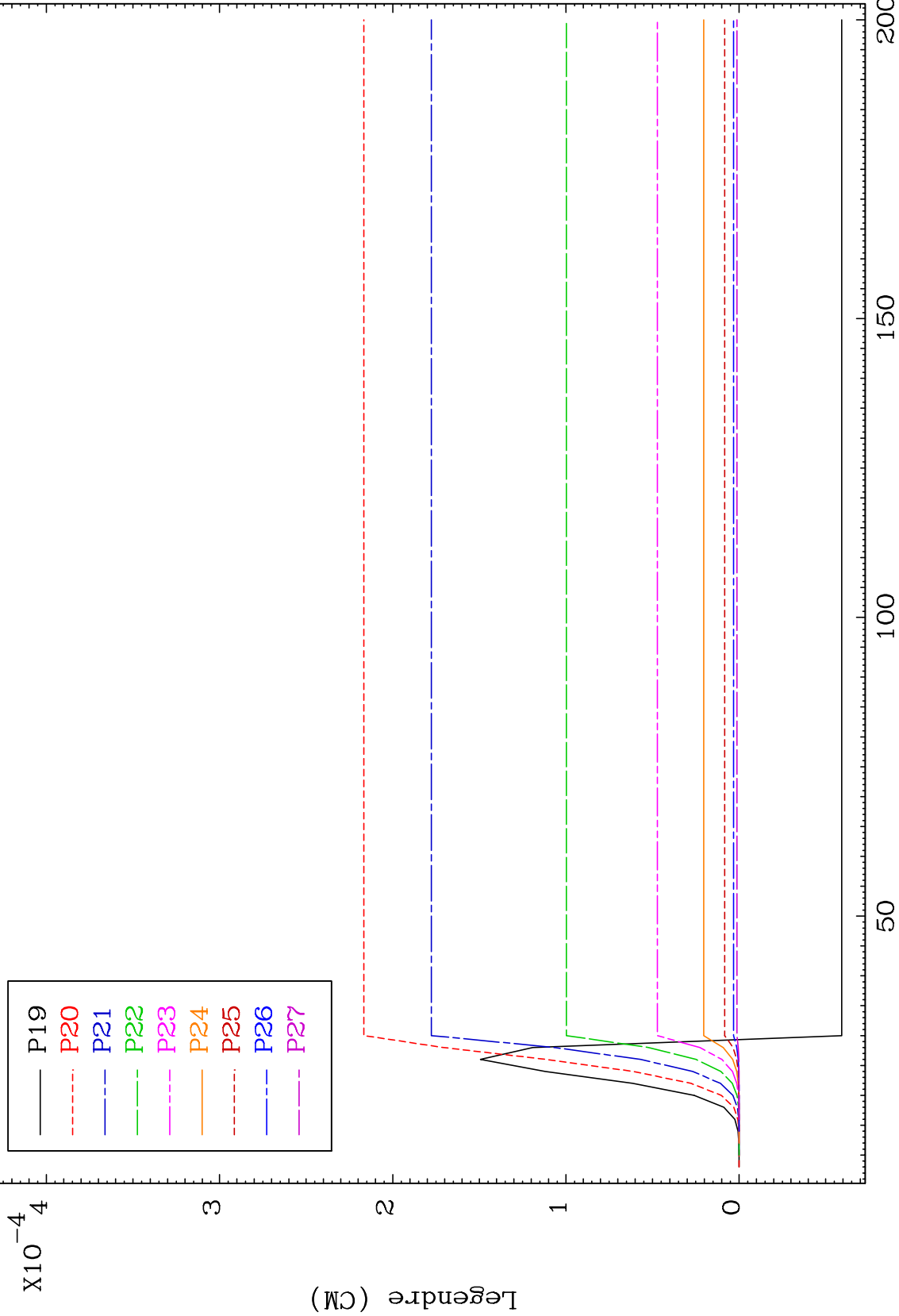
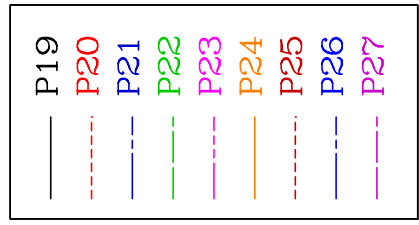
42-Mo-100



MAT 4249

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

42-Mo-100



34

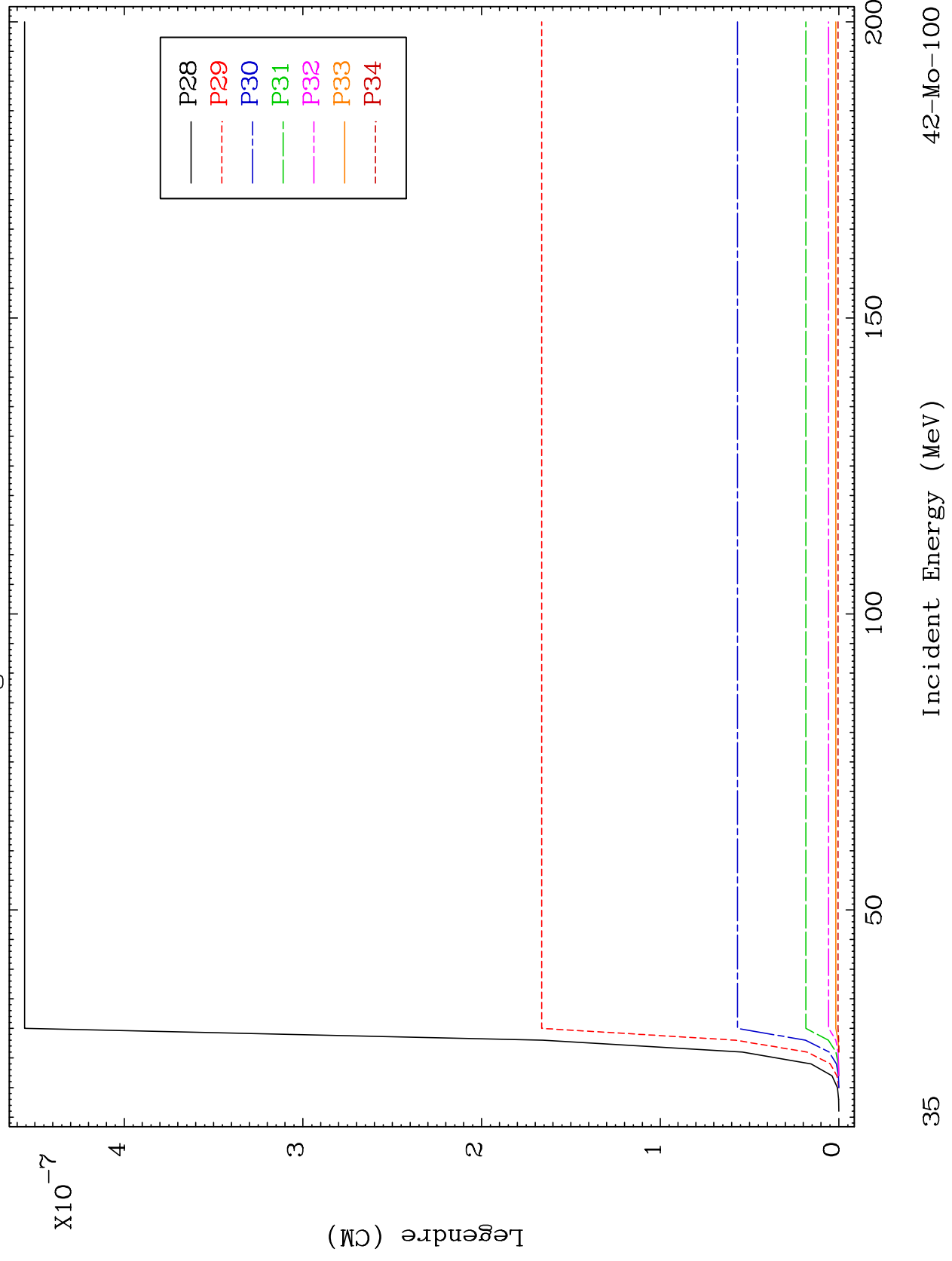
Incident Energy (MeV)

42-Mo-100

MAT 4249

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

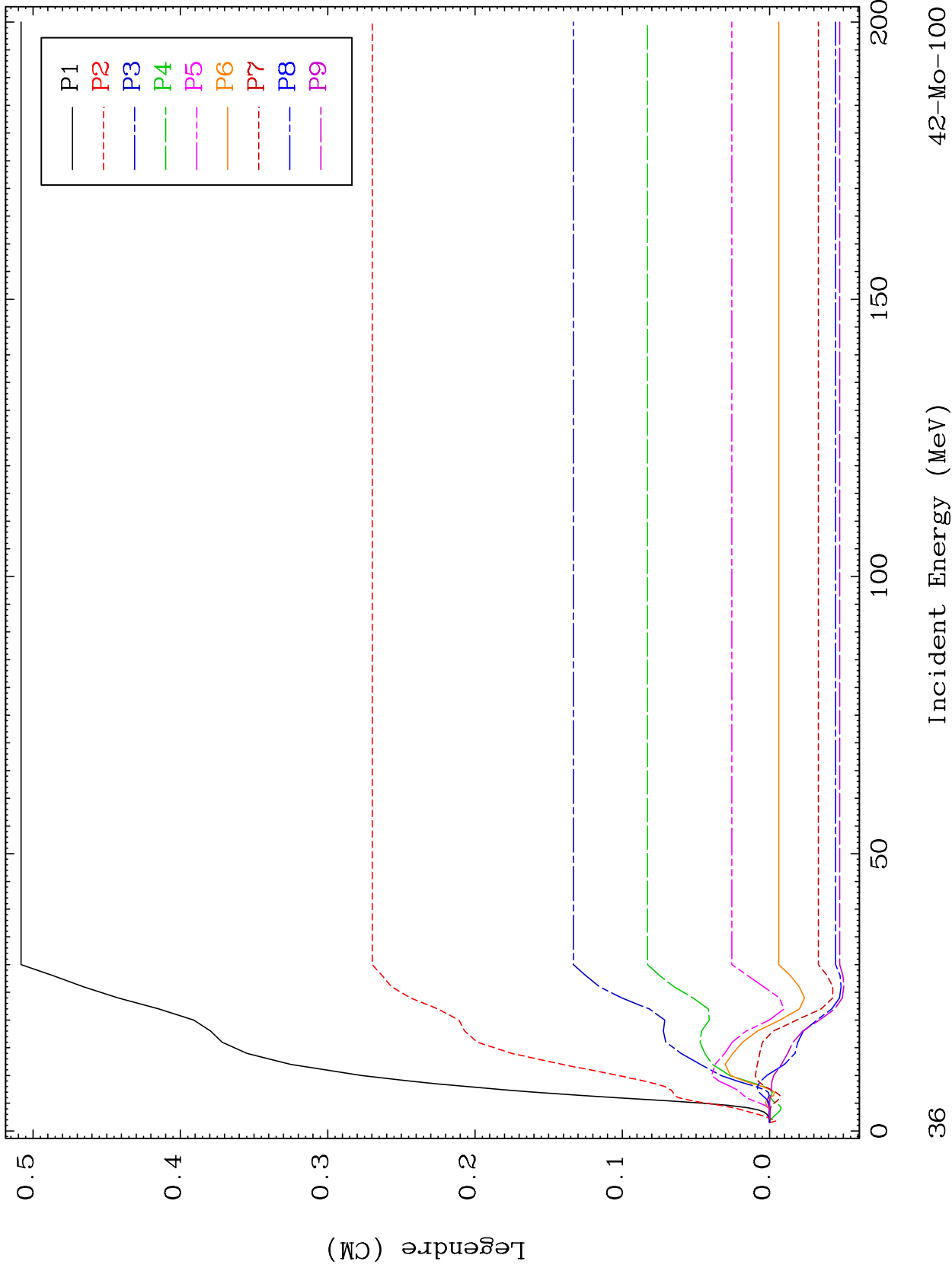
42-Mo-100



MAT 4249

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

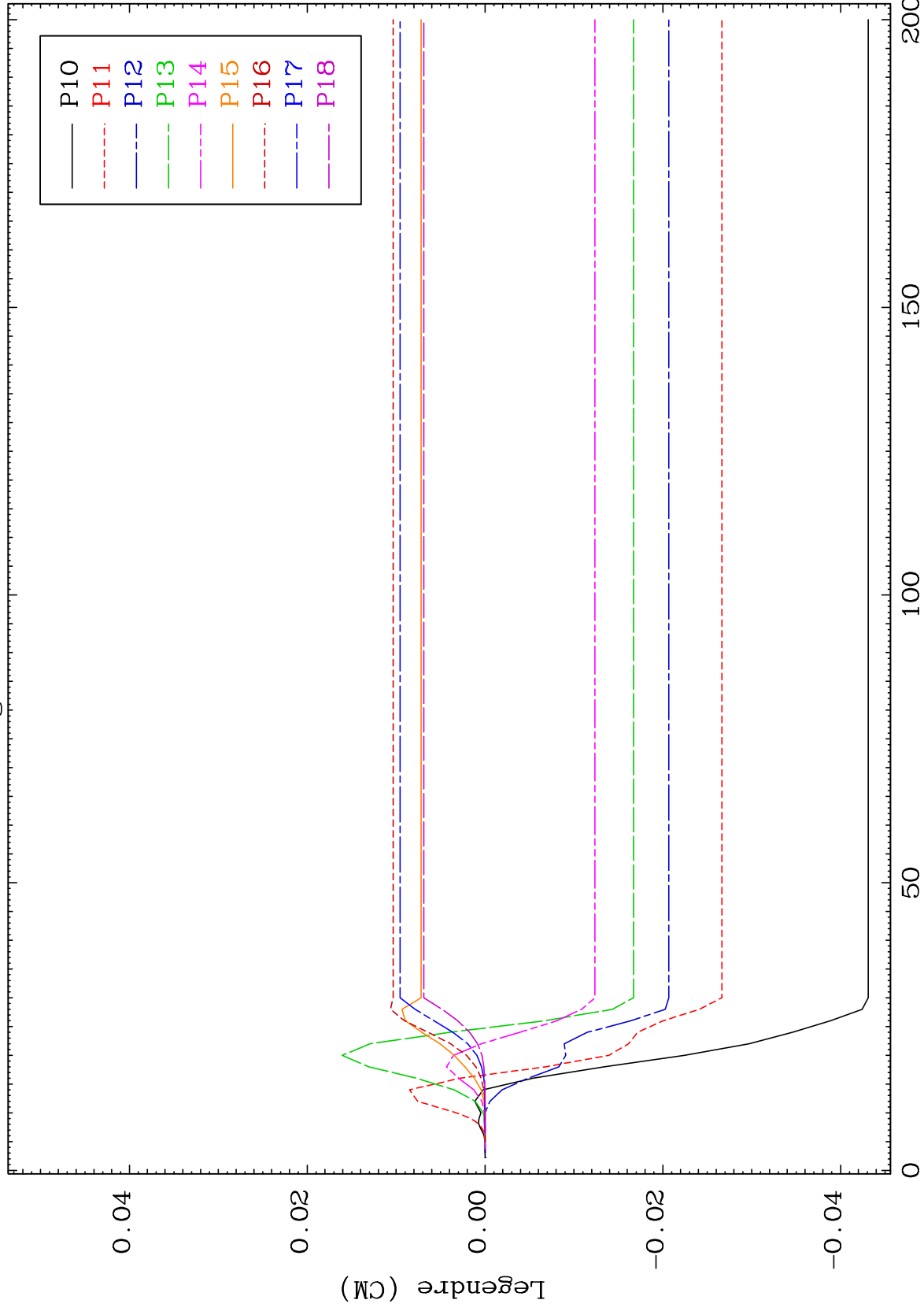
42-Mo-100



MAT 4249

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

42-Mo-100



37

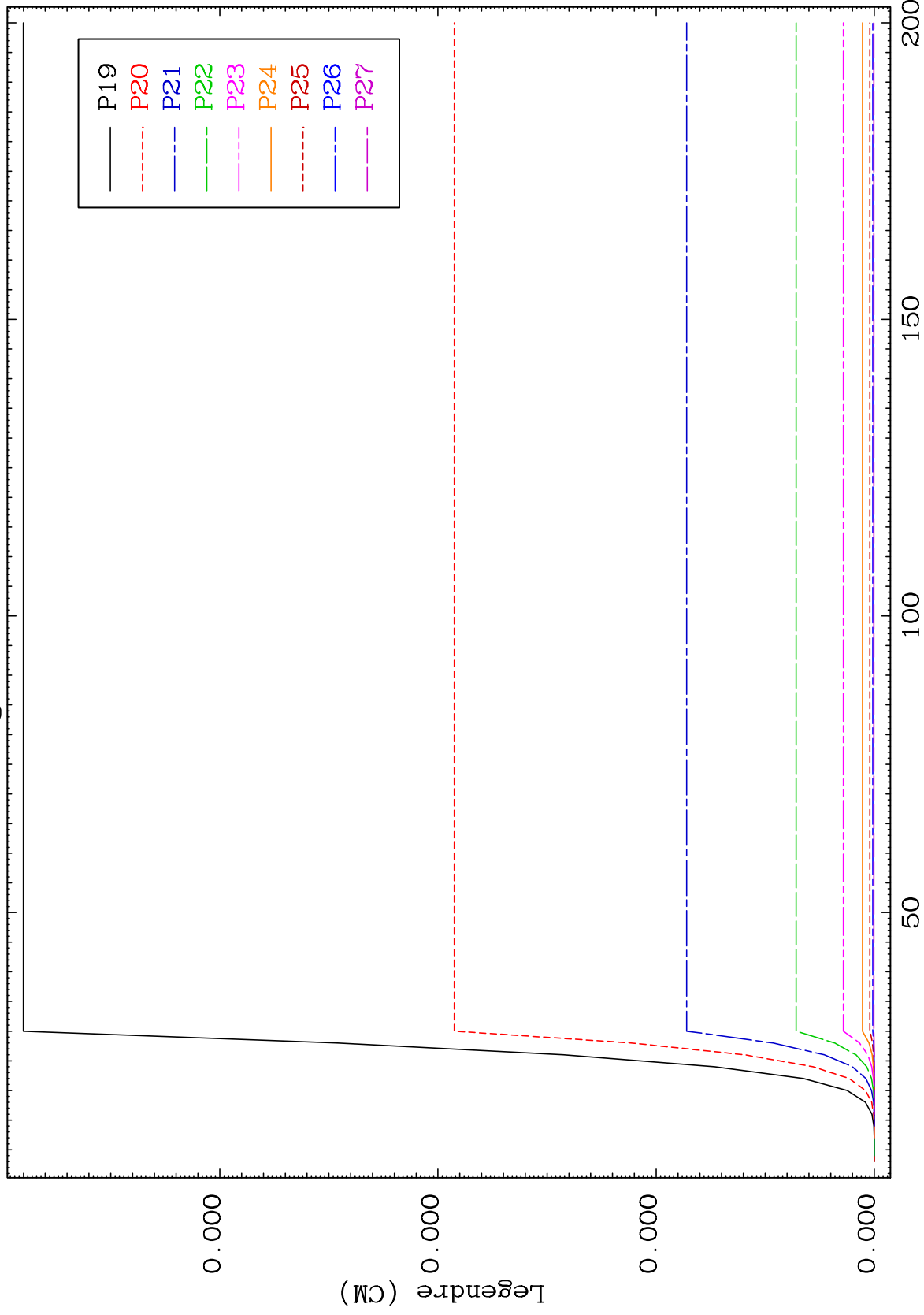
Incident Energy (MeV)

42-Mo-100

MAT 4249

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

42-Mo-100



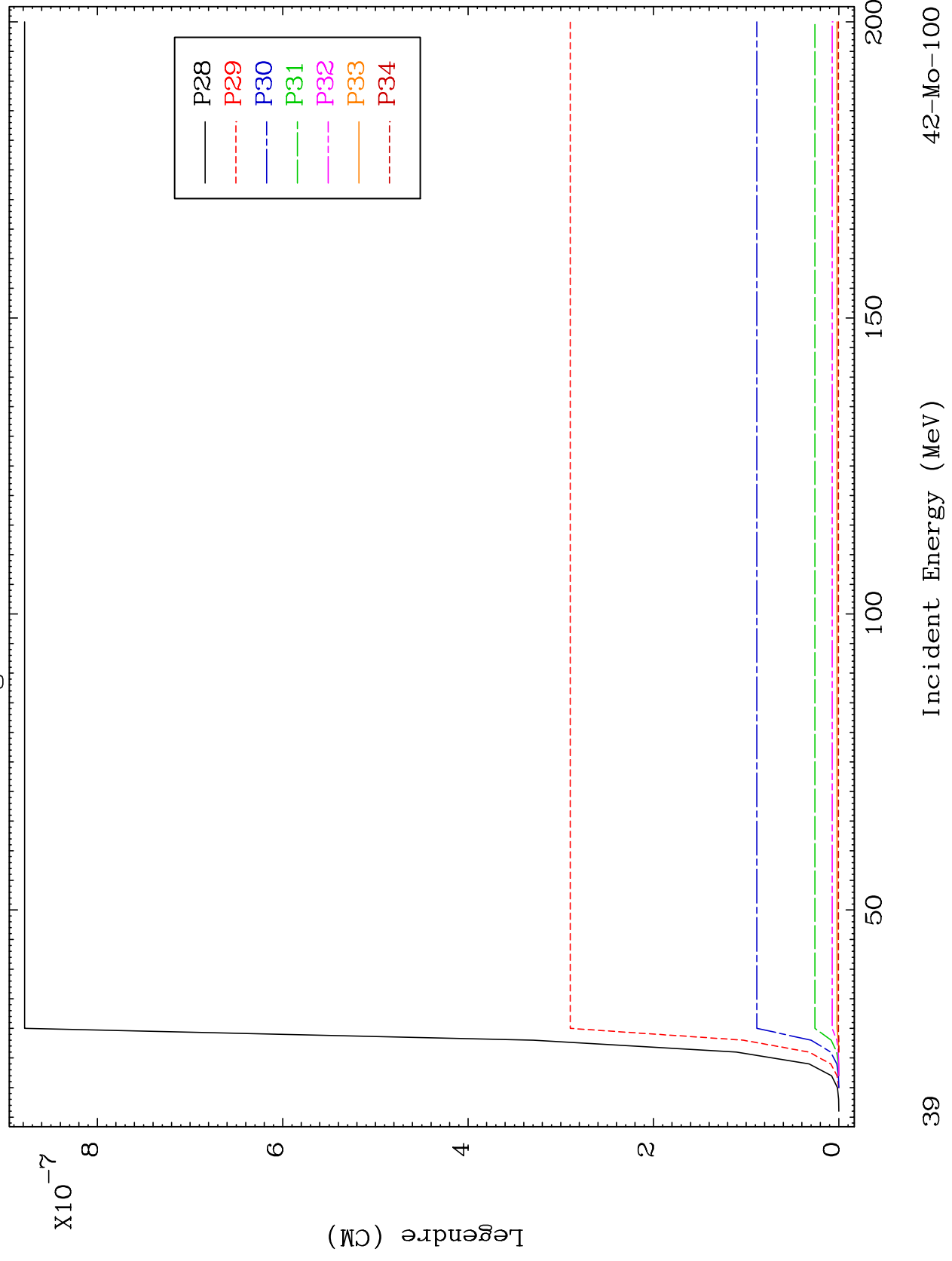
38

42-Mo-100

MAT 4249

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

42-Mo-100

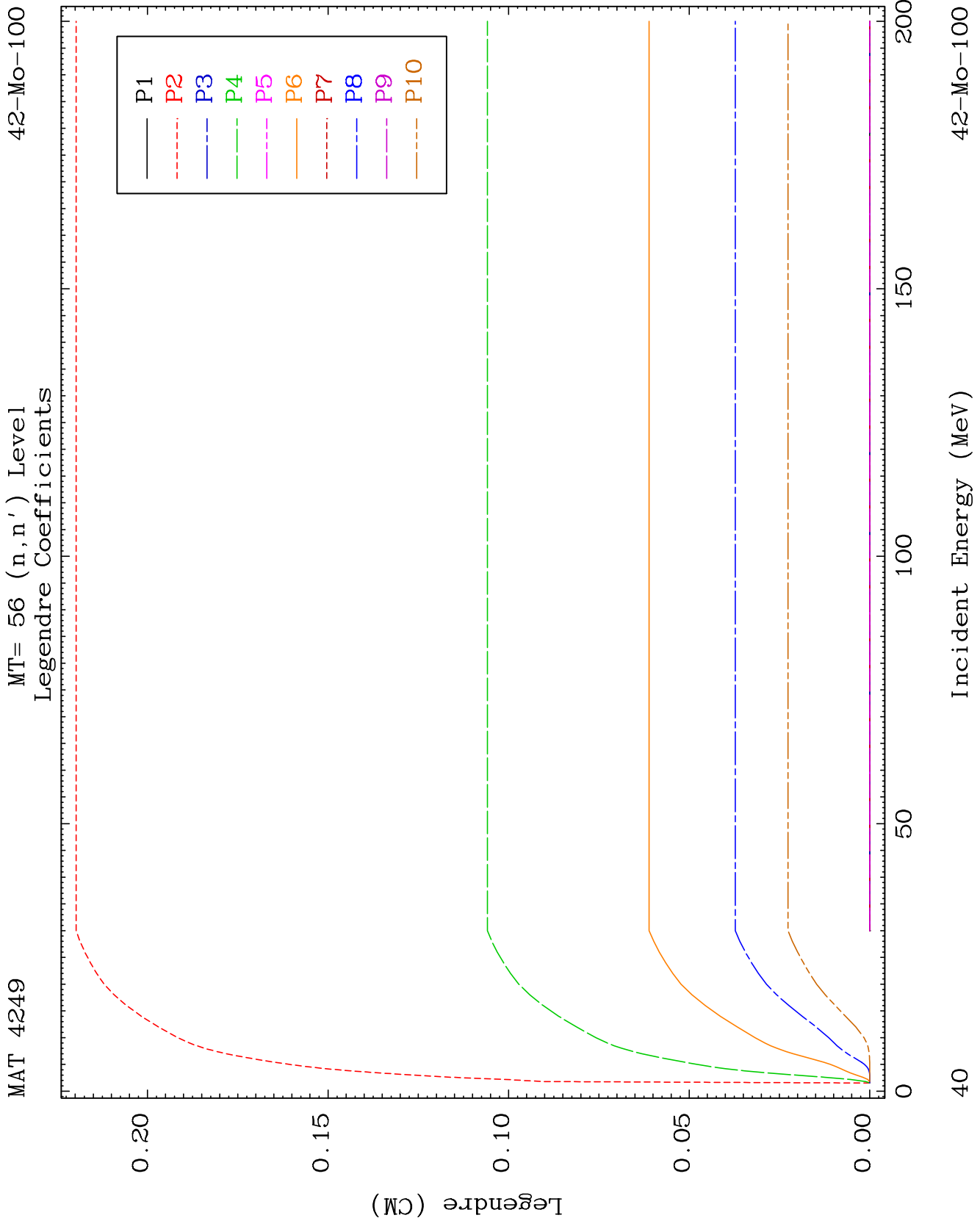


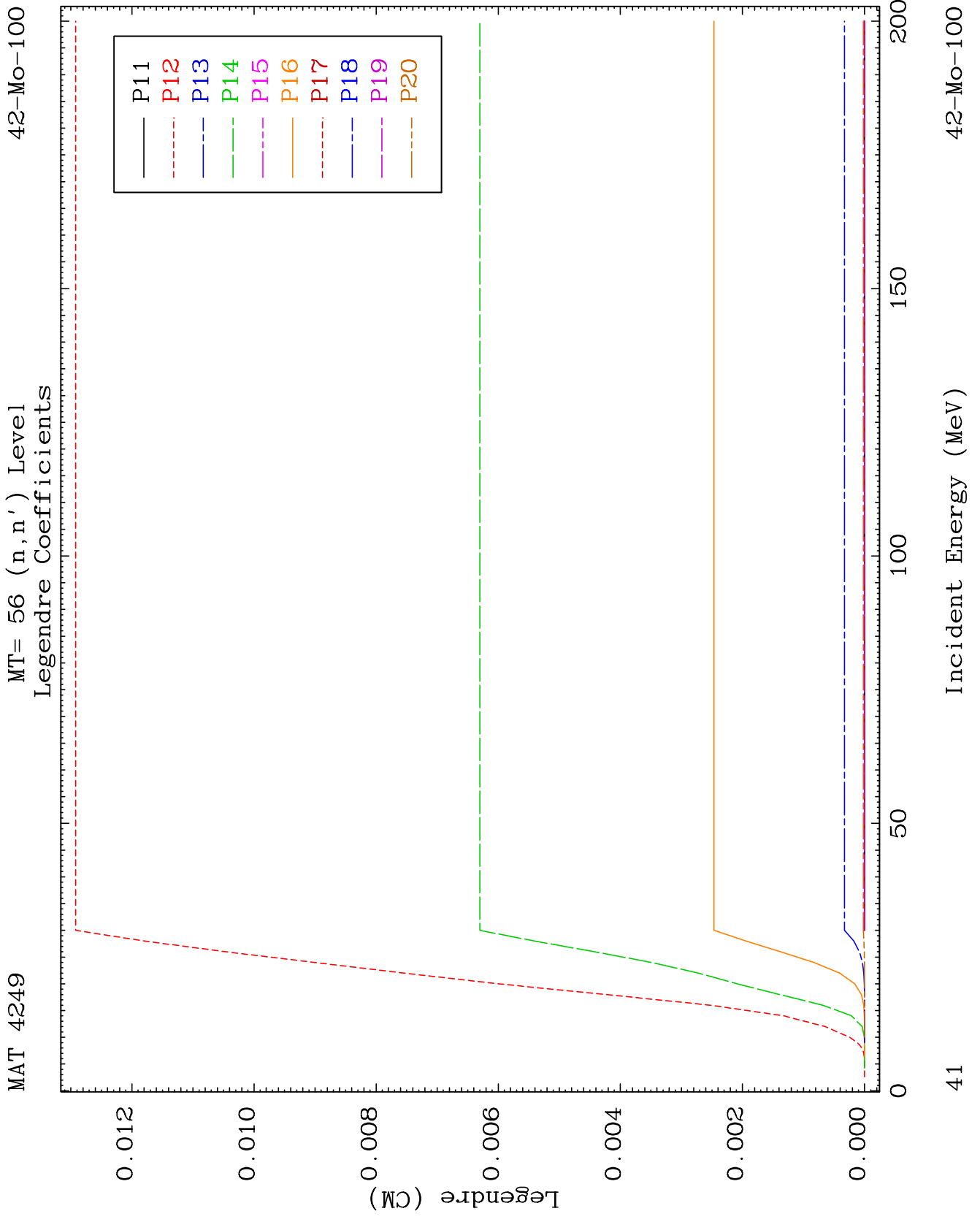
39

Incident Energy (MeV)

42-Mo-100







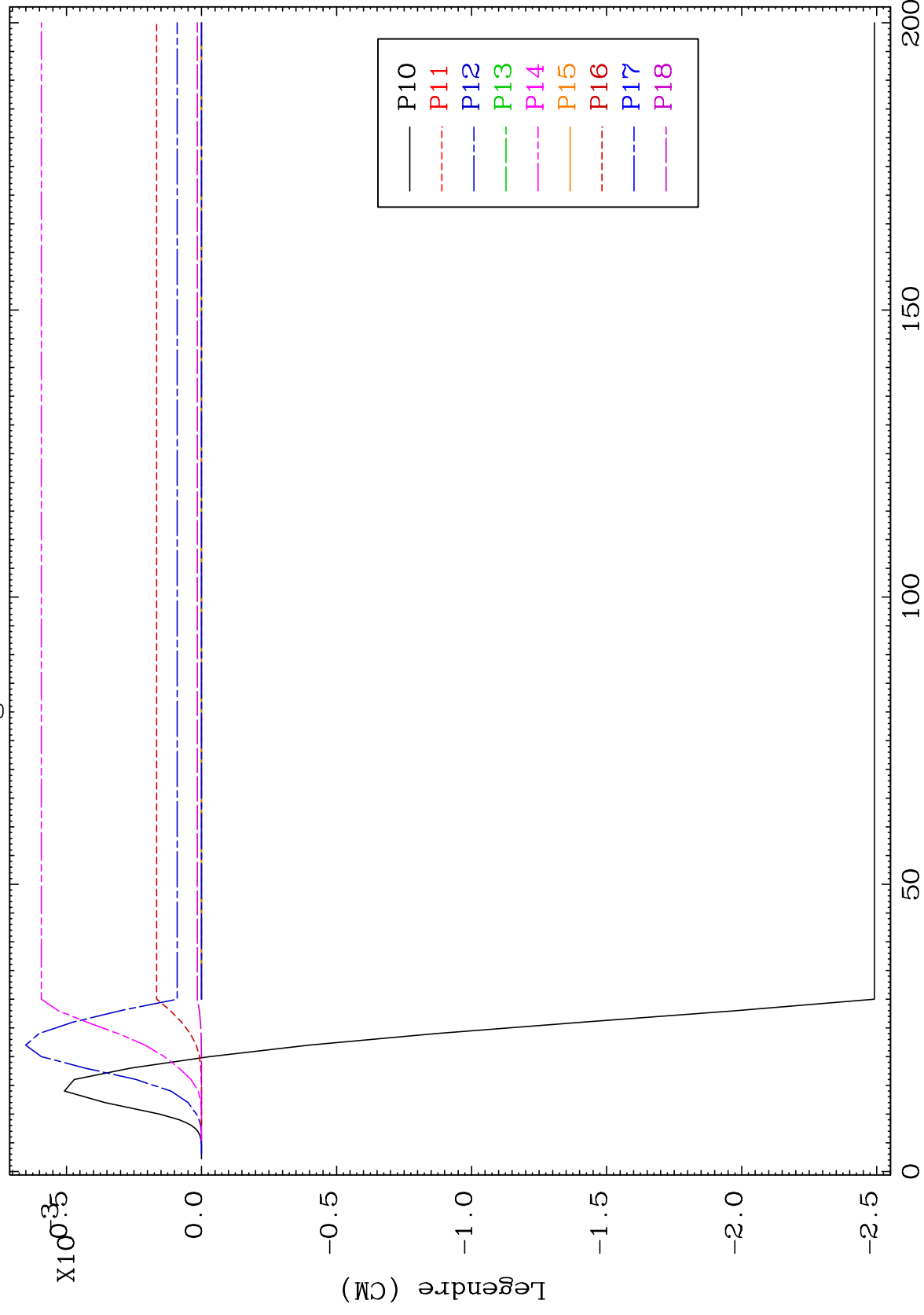




MAT 4249

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

42-Mo-100

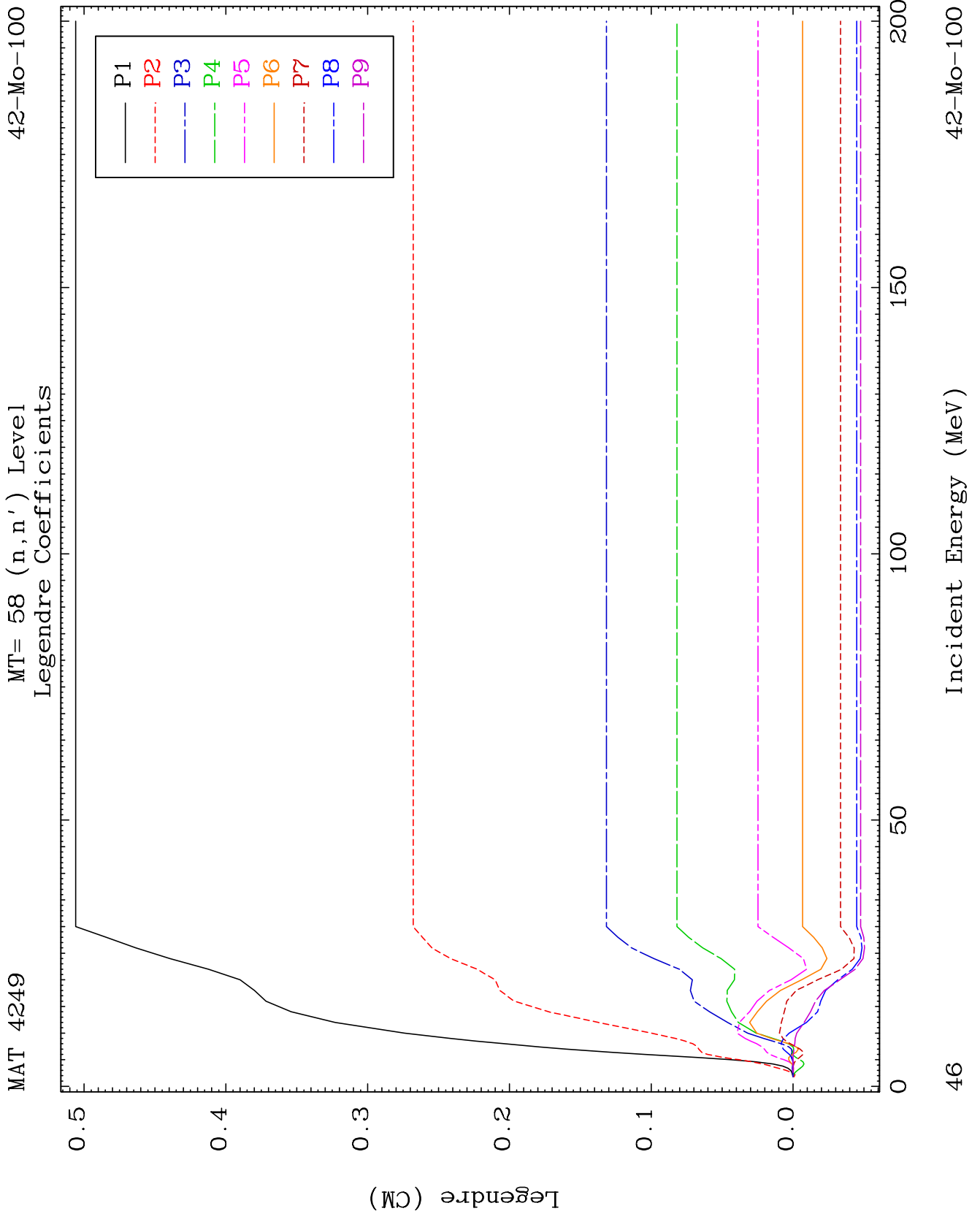


44

Incident Energy (MeV)

42-Mo-100

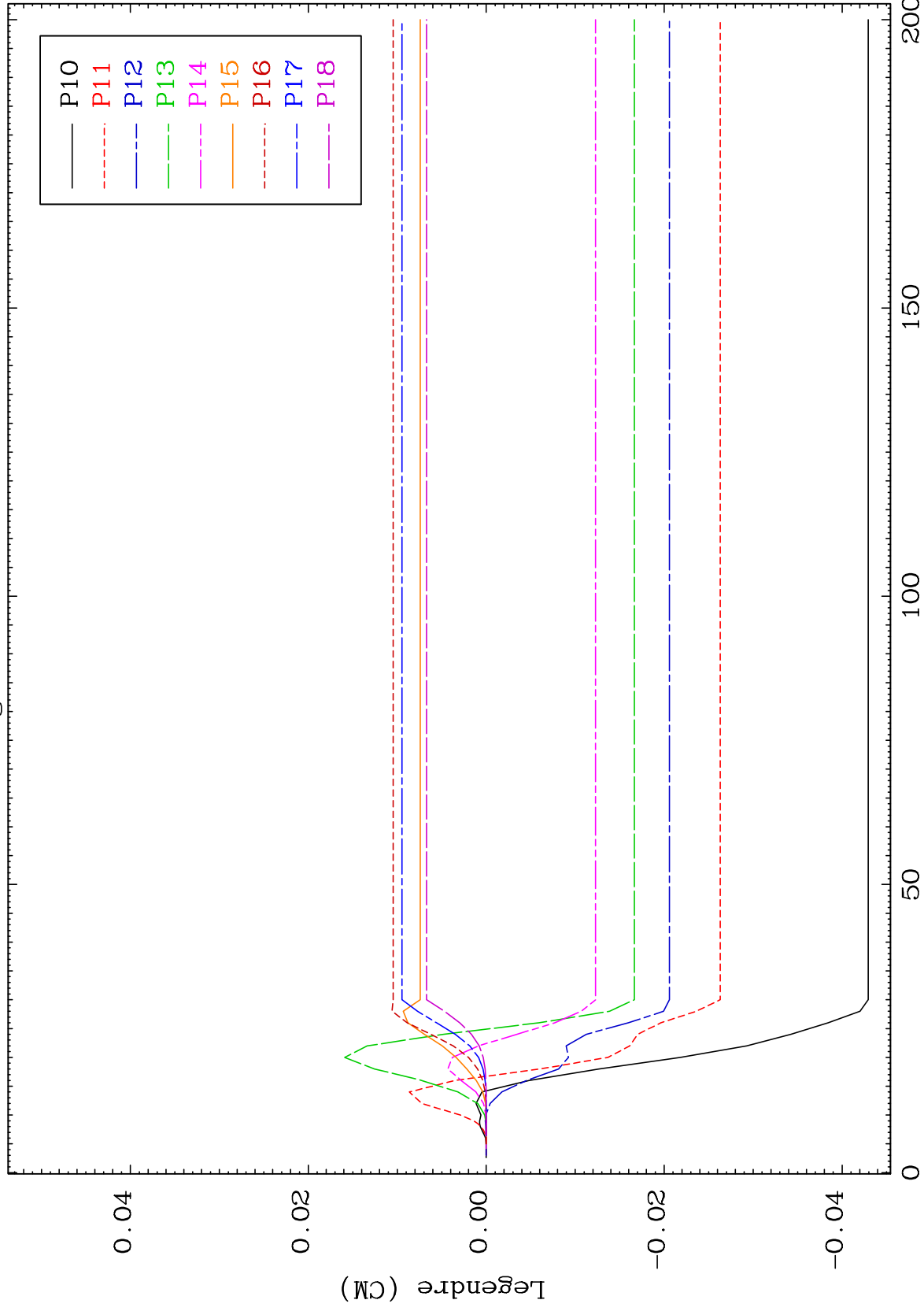




MAT 4249

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

42-Mo-100

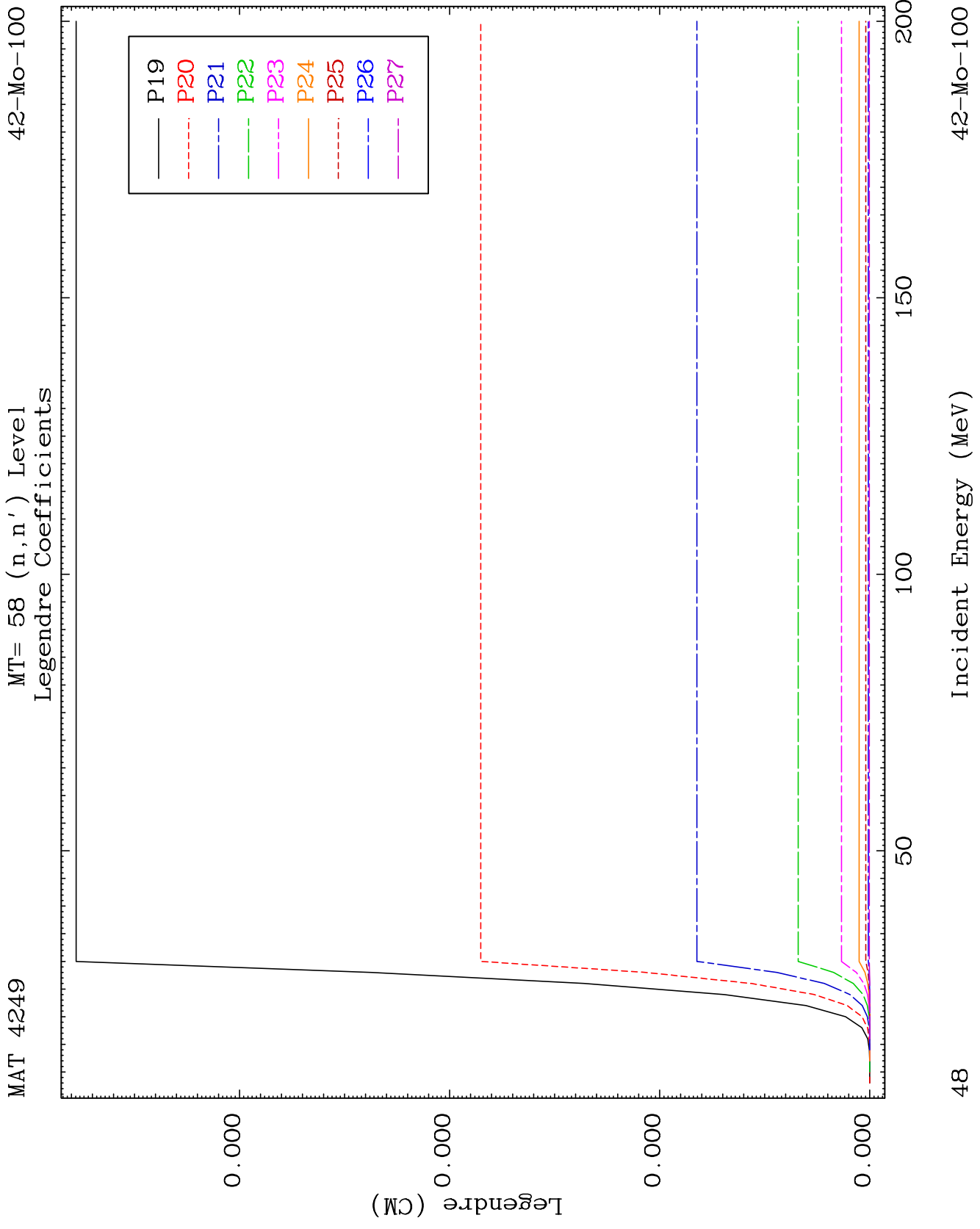


47

Incident Energy (MeV)

42-Mo-100

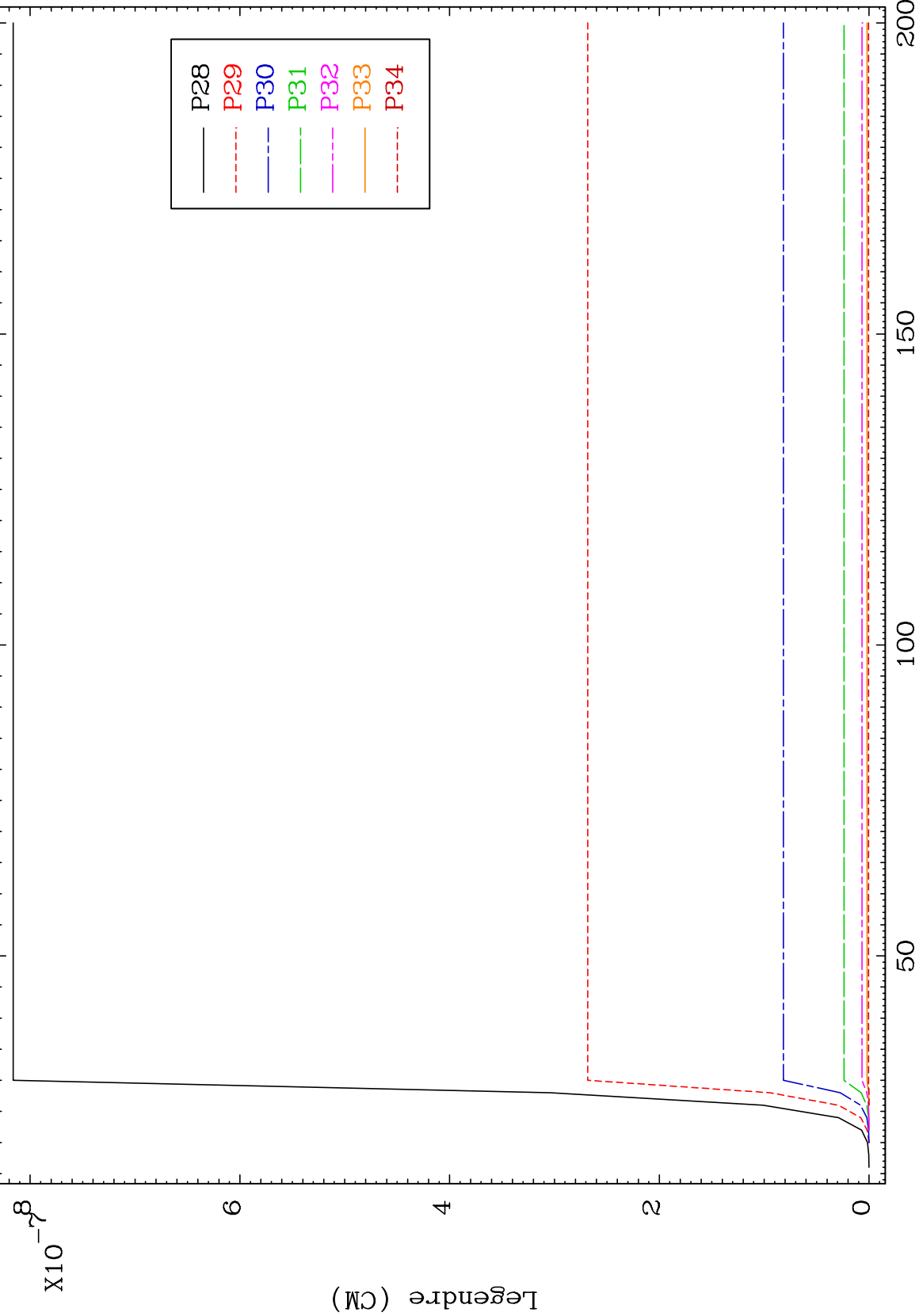




MAT 4249

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

42-Mo-100



49

Incident Energy (MeV)

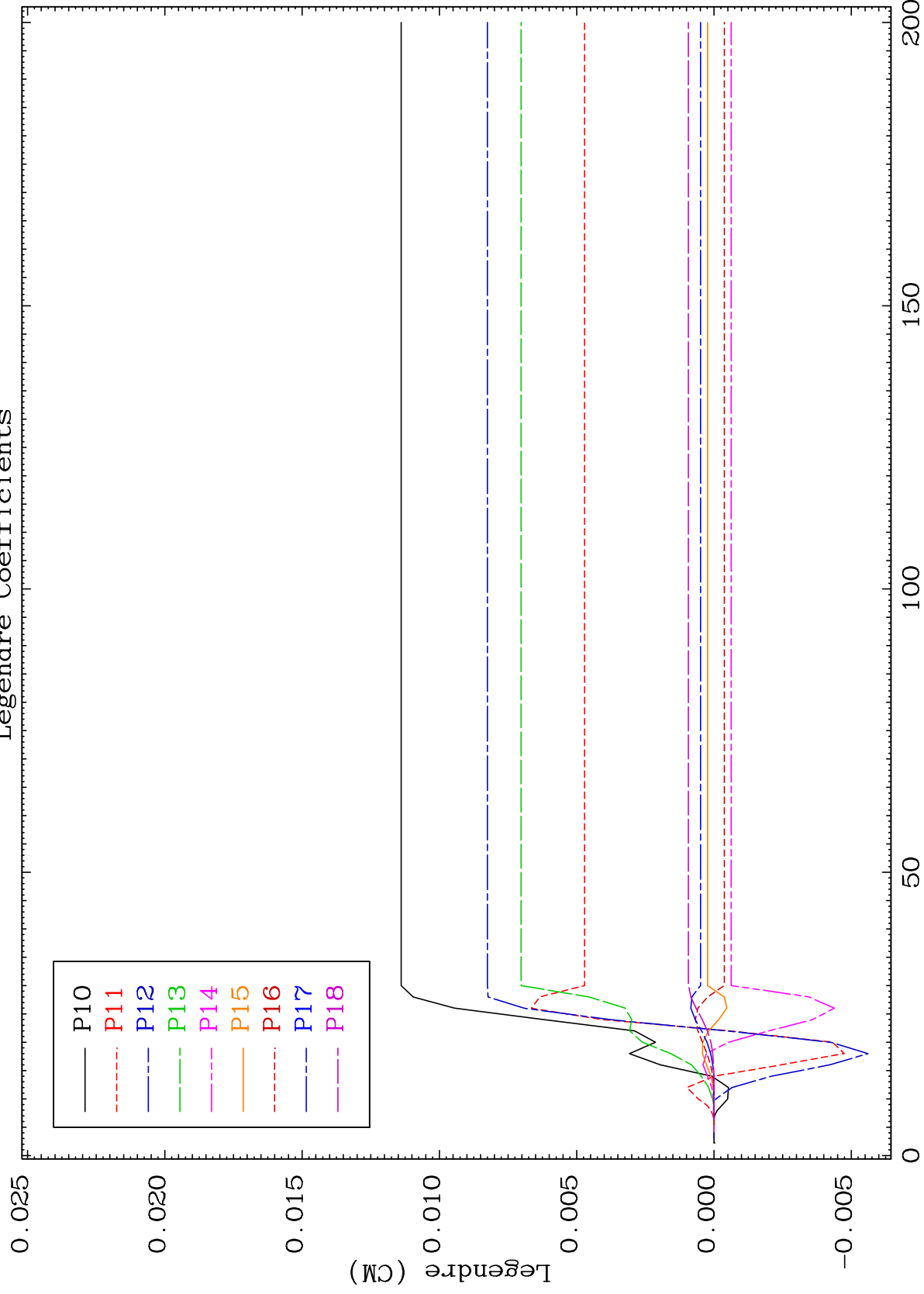
42-Mo-100



MAT 4249

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

42-Mo-100



51

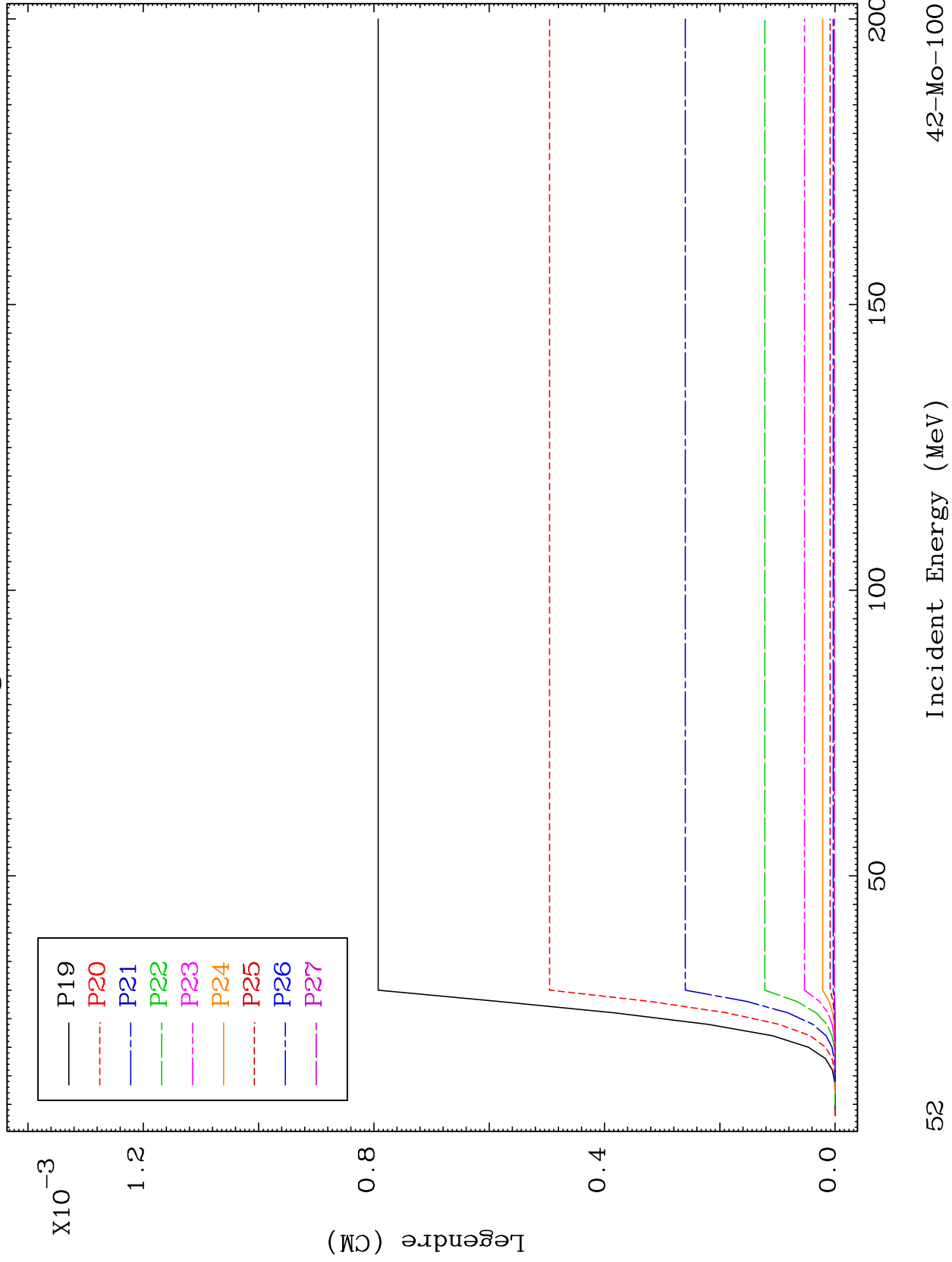
Incident Energy (MeV)

42-Mo-100

MAT 4249

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

42-Mo-100



52

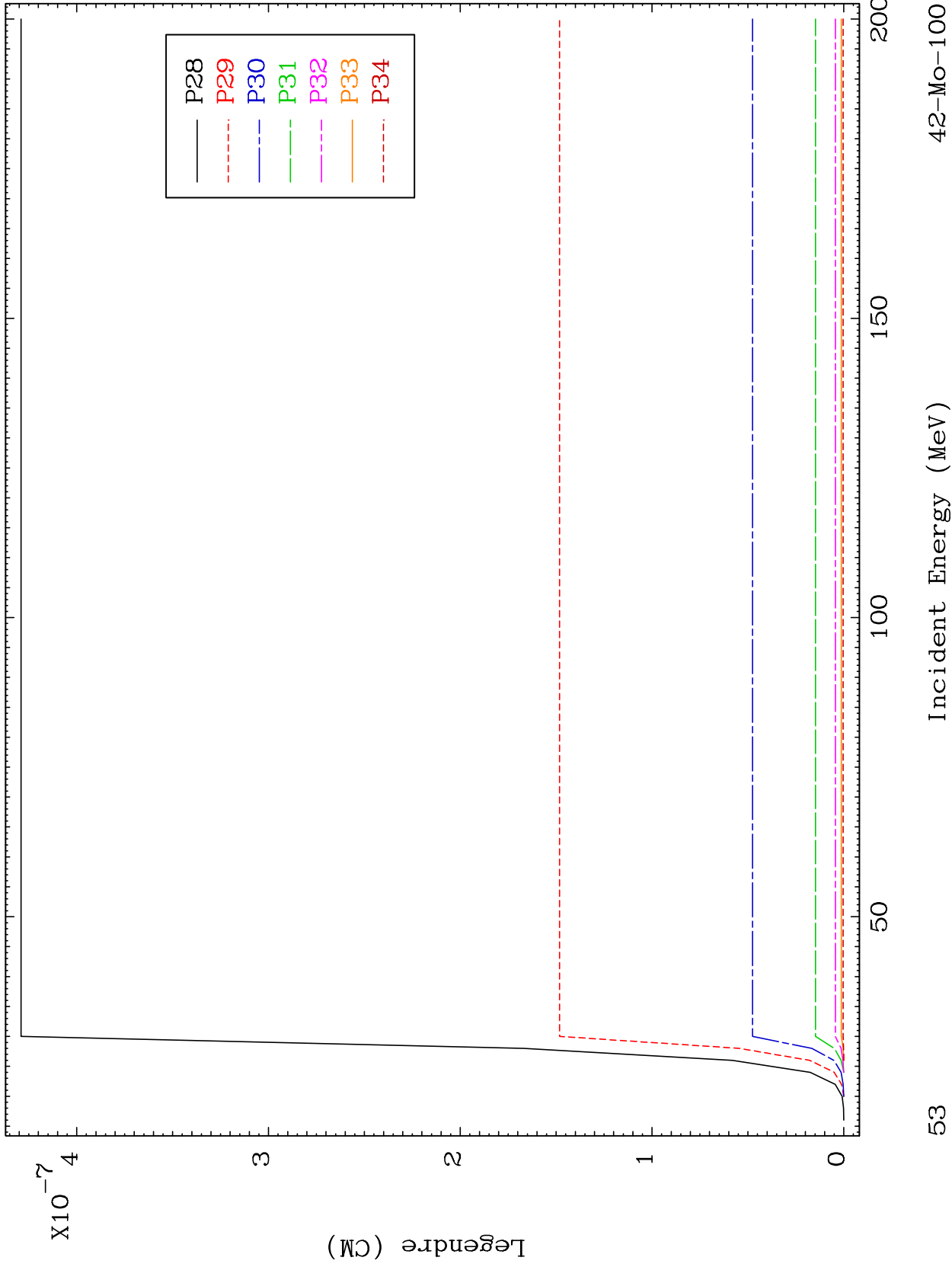
Incident Energy (MeV)

42-Mo-100

MAT 4249

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

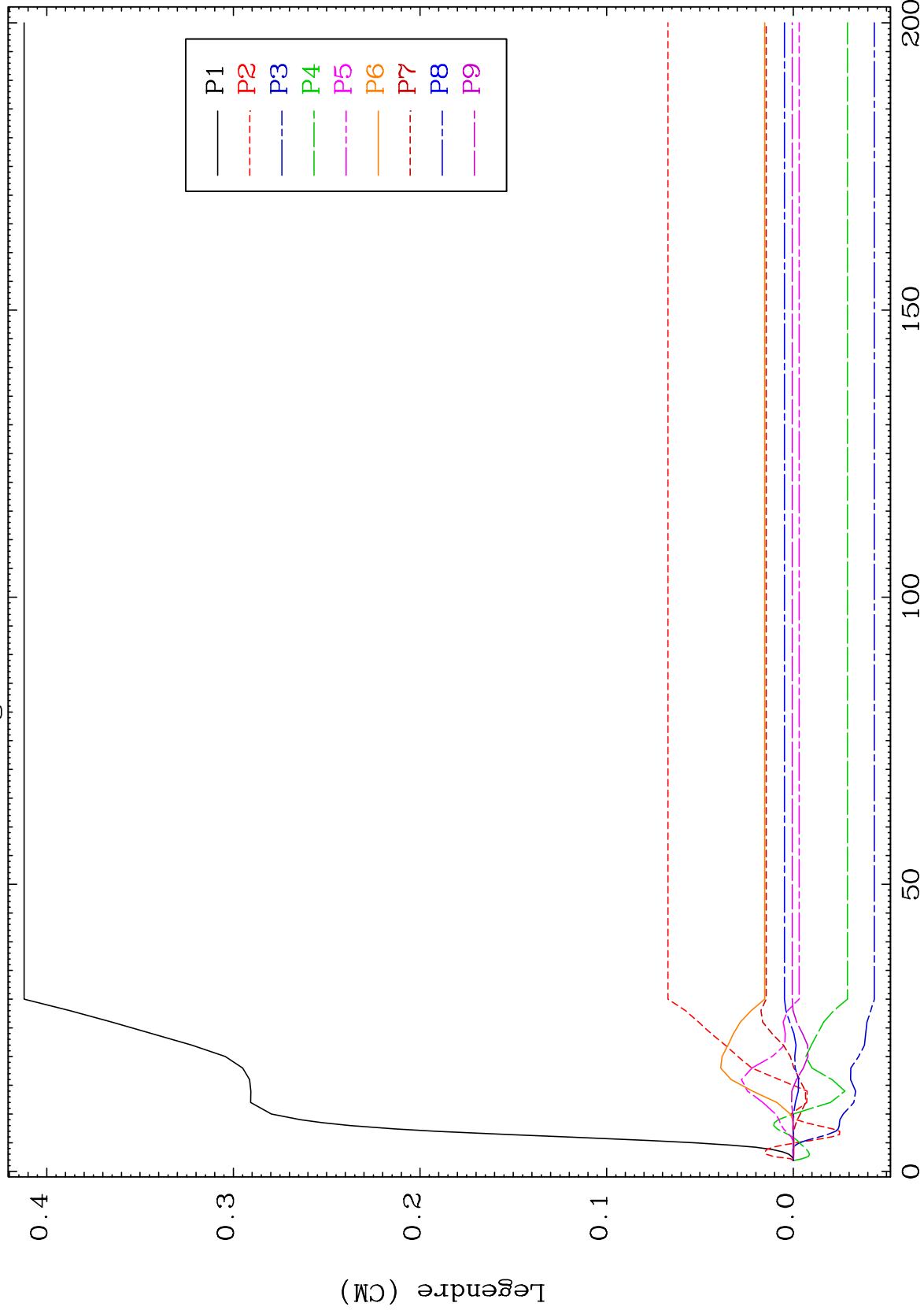
42-Mo-100



MAT 4249

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

42-Mo-100



54

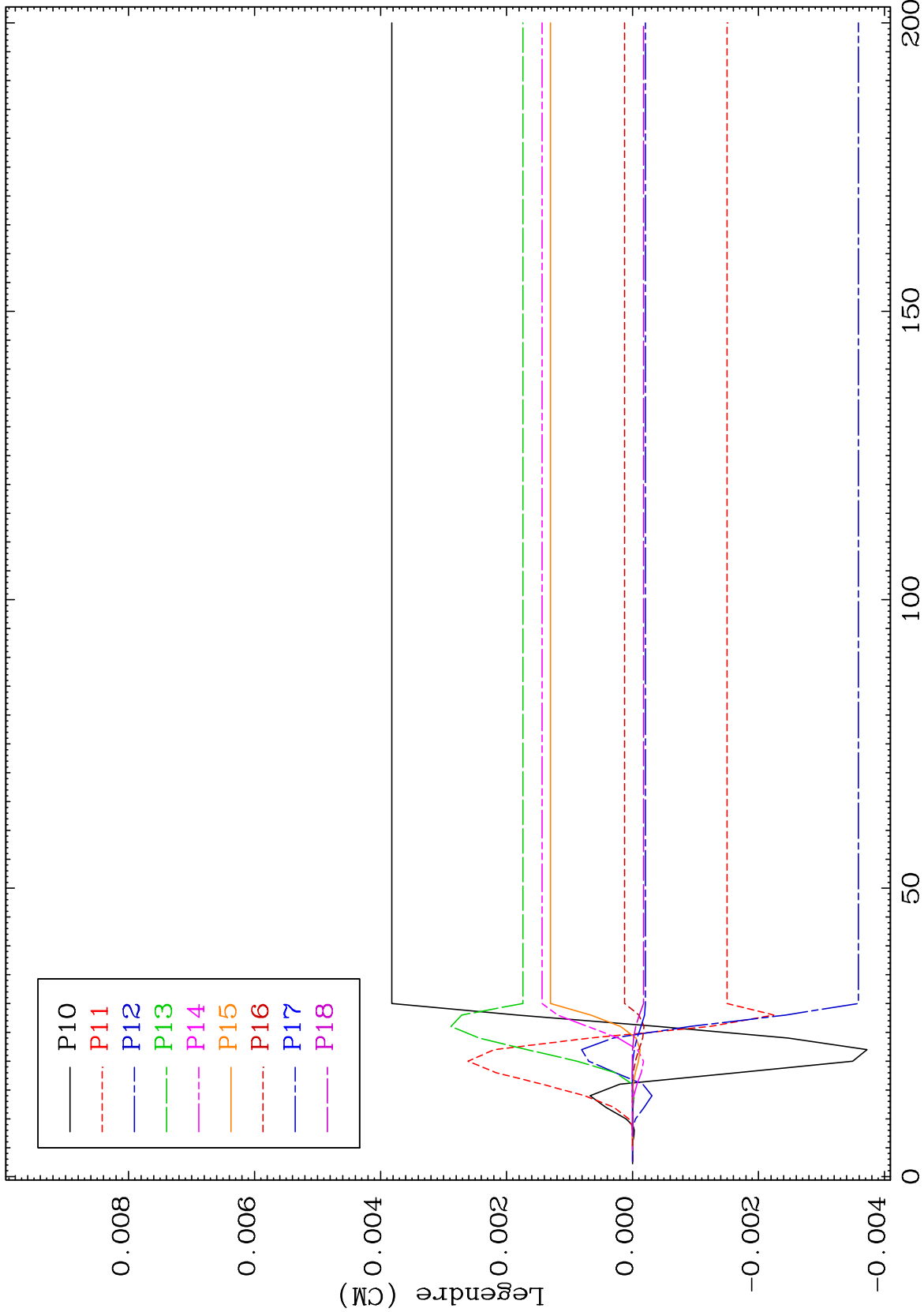
Incident Energy (MeV)

42-Mo-100

MAT 4249

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

42-Mo-100

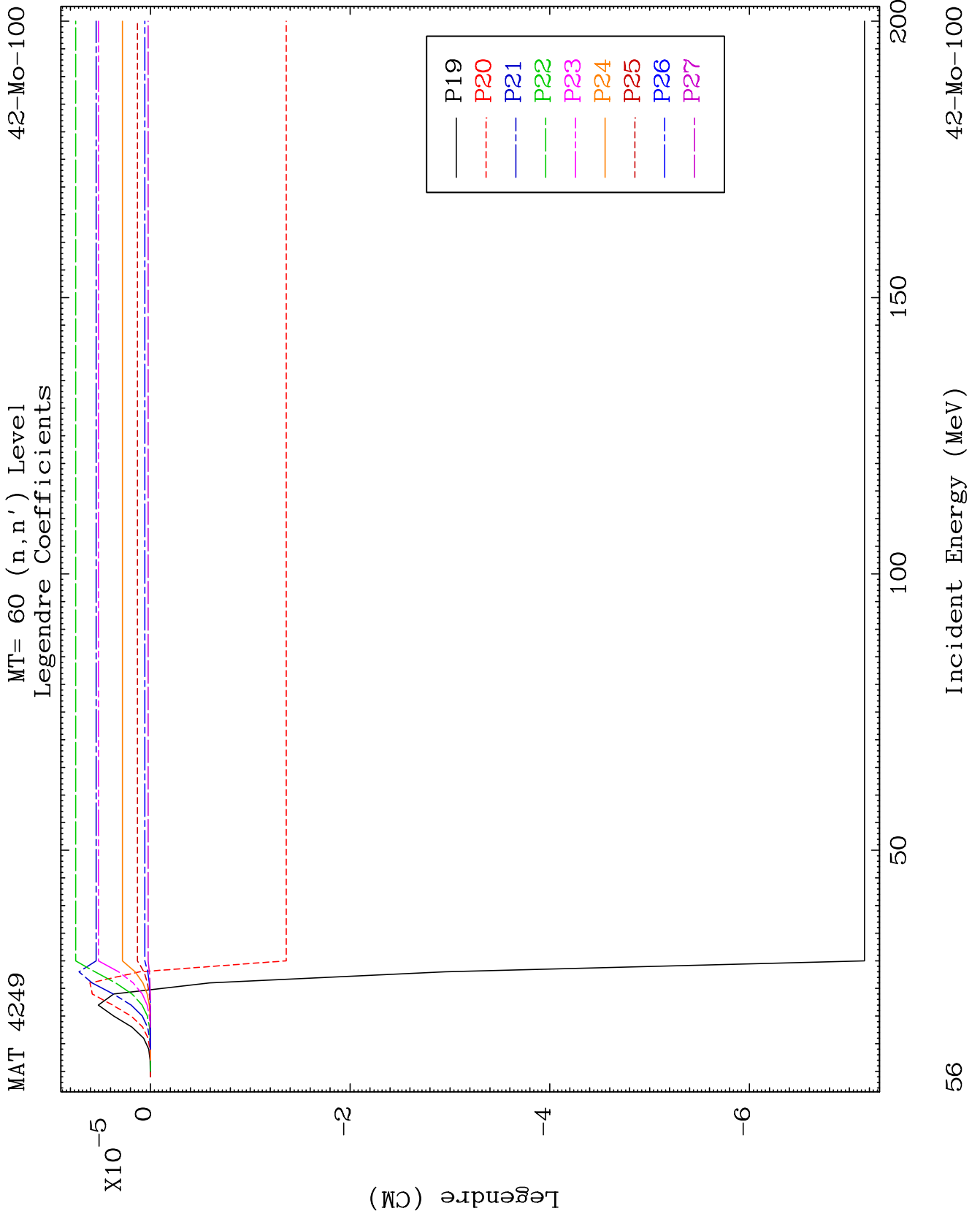


55

Incident Energy (MeV)

42-Mo-100

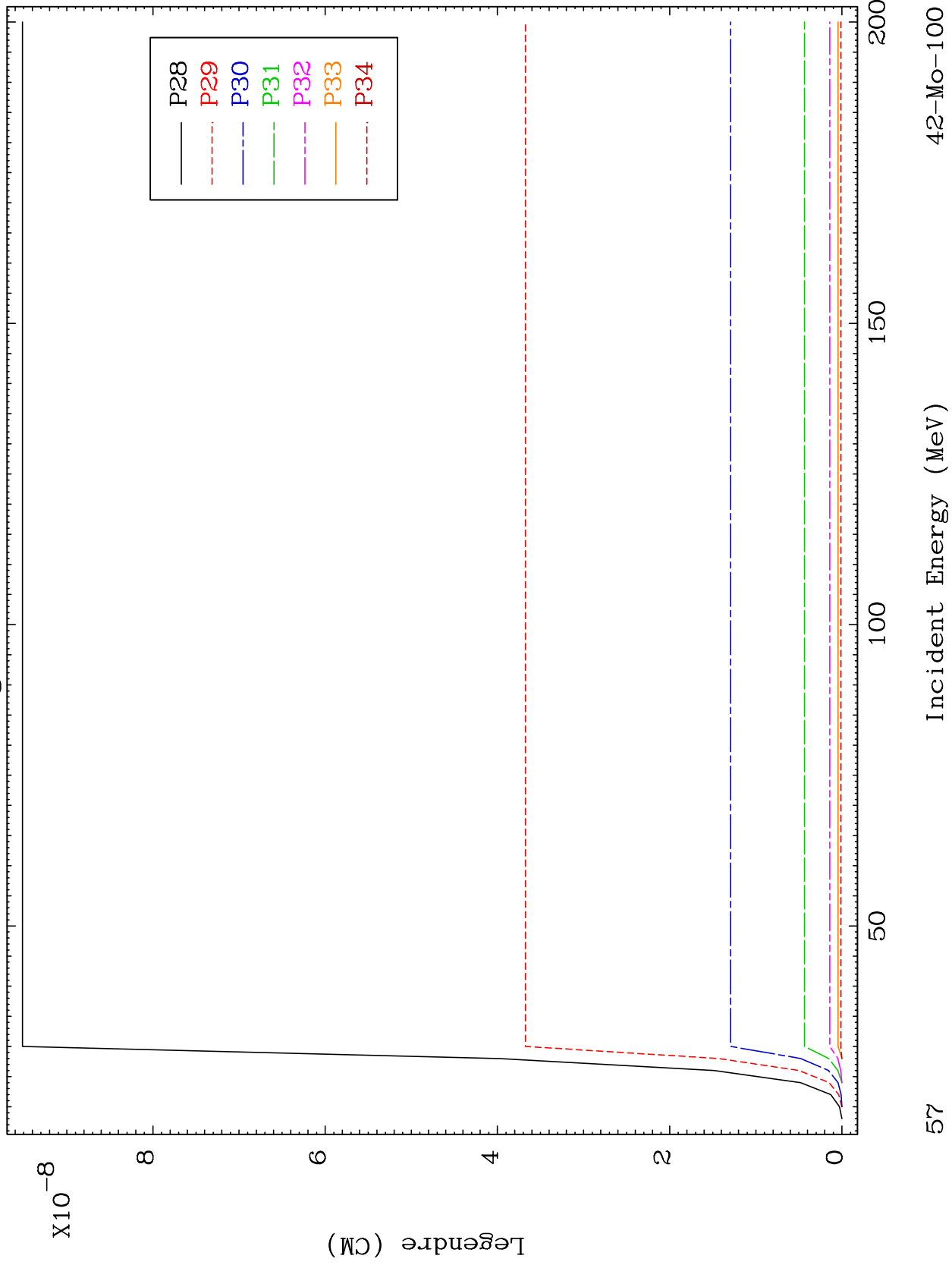




MAT 4249

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

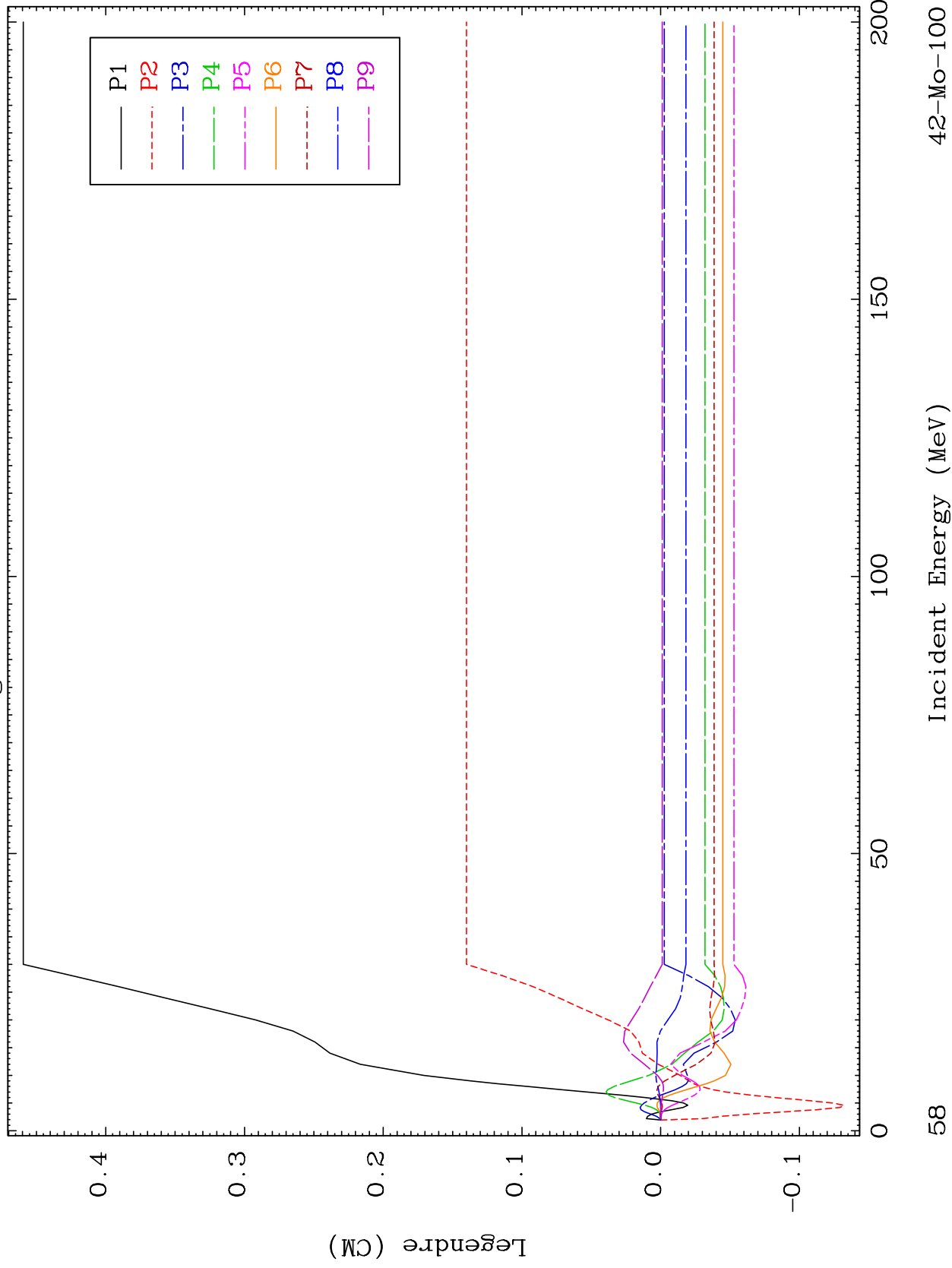
42-Mo-100



MAT 4249

MT= 61 (n,n') Level  
Legendre Coefficients

42-Mo-100

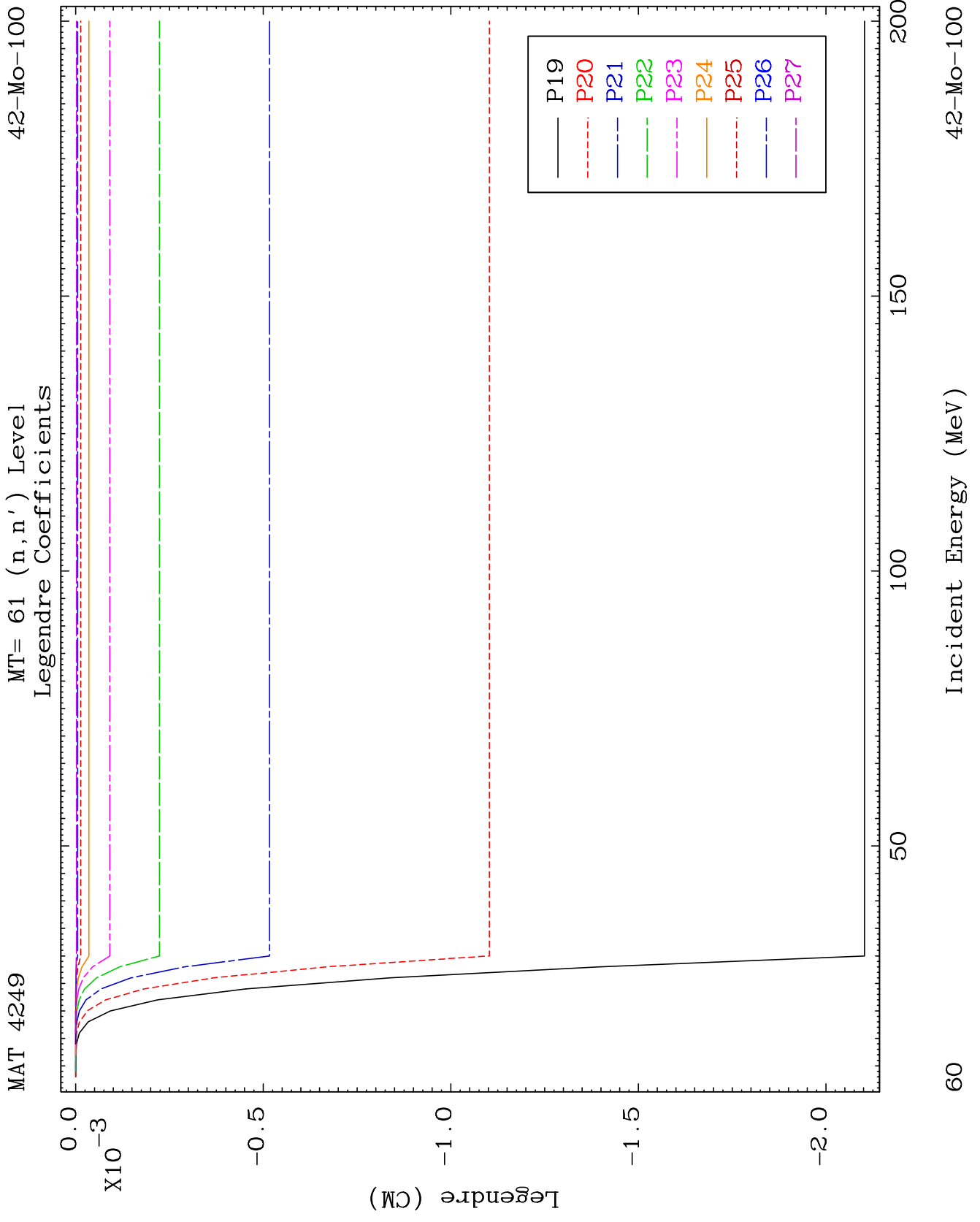


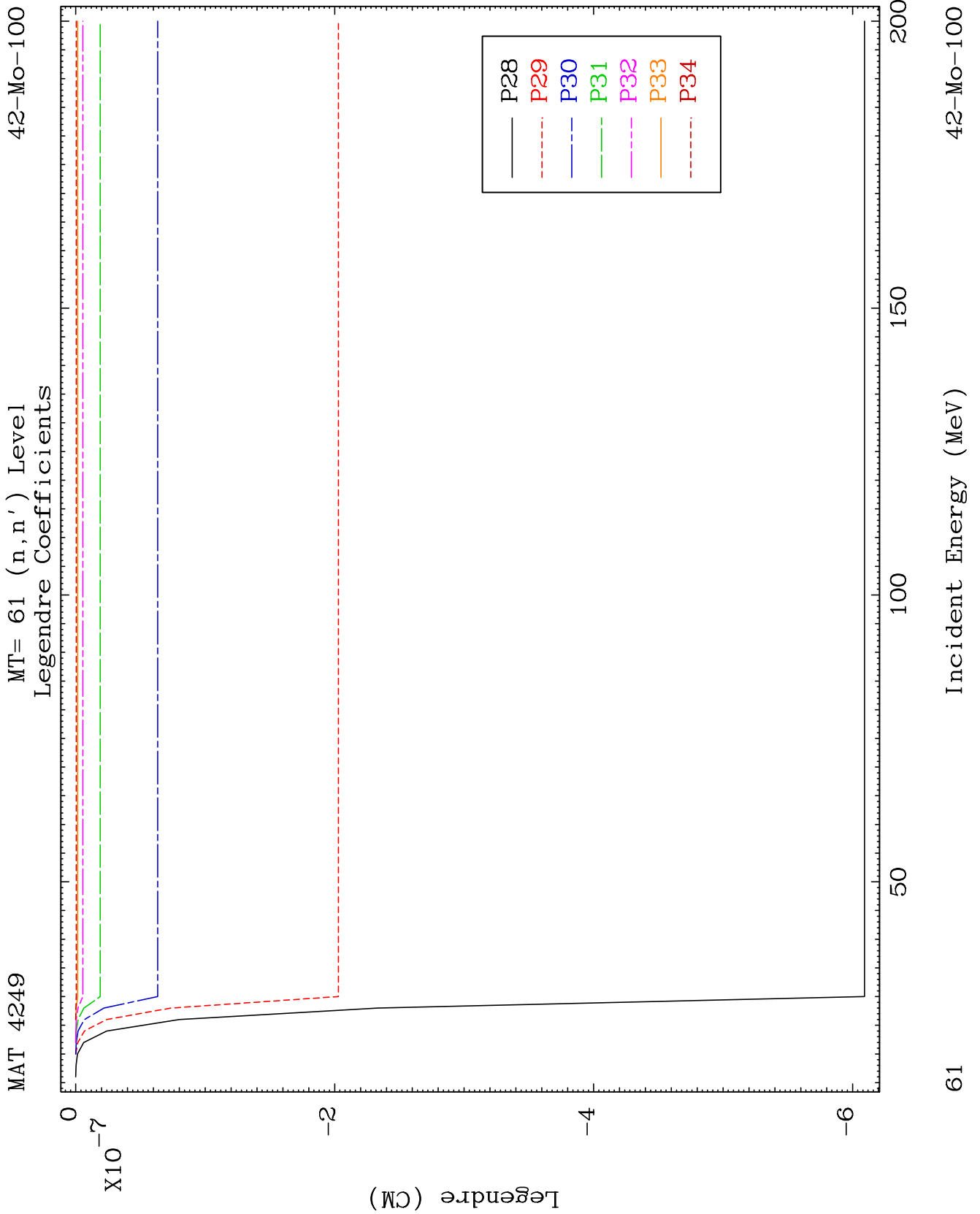
42-Mo-100

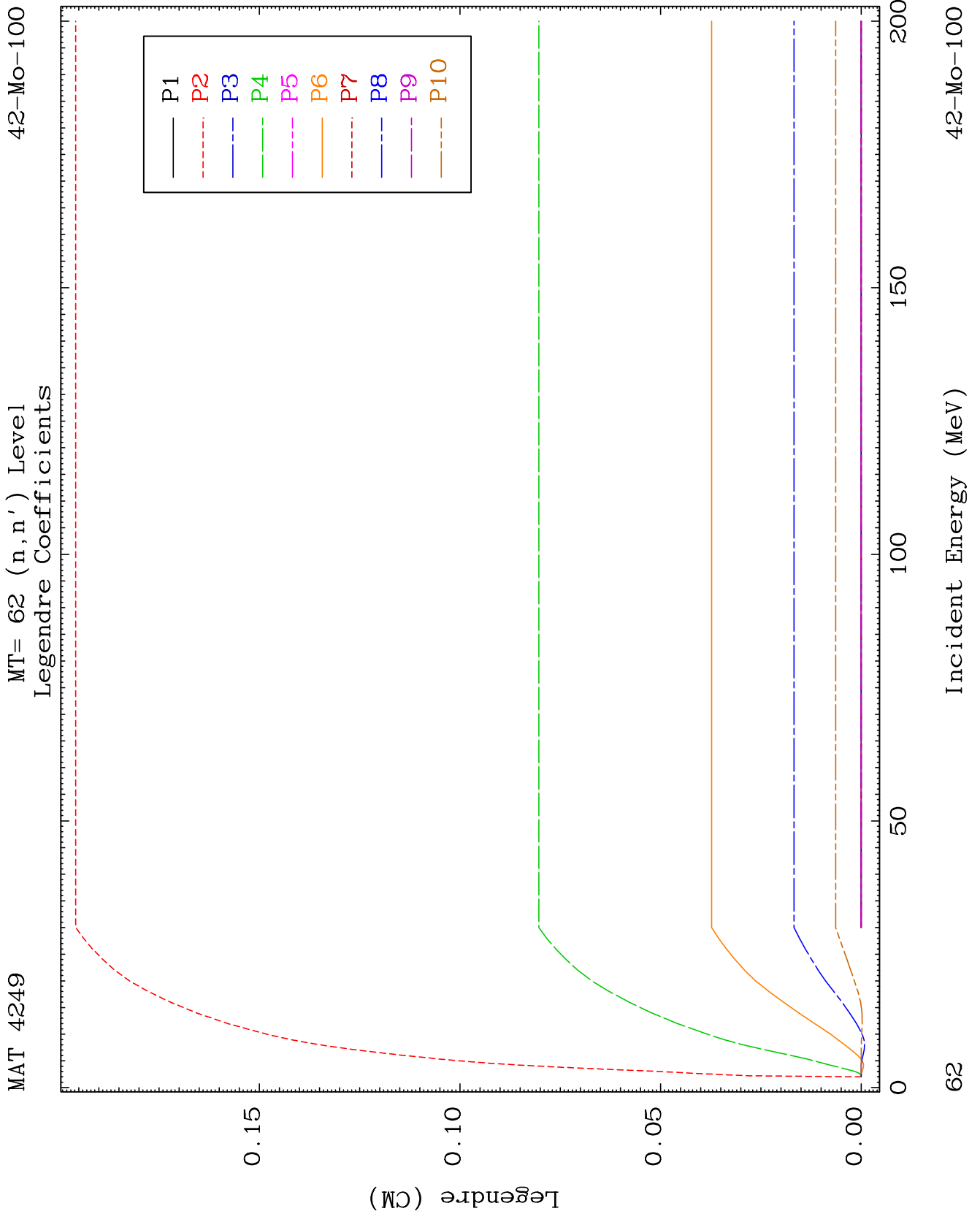
Incident Energy (MeV)

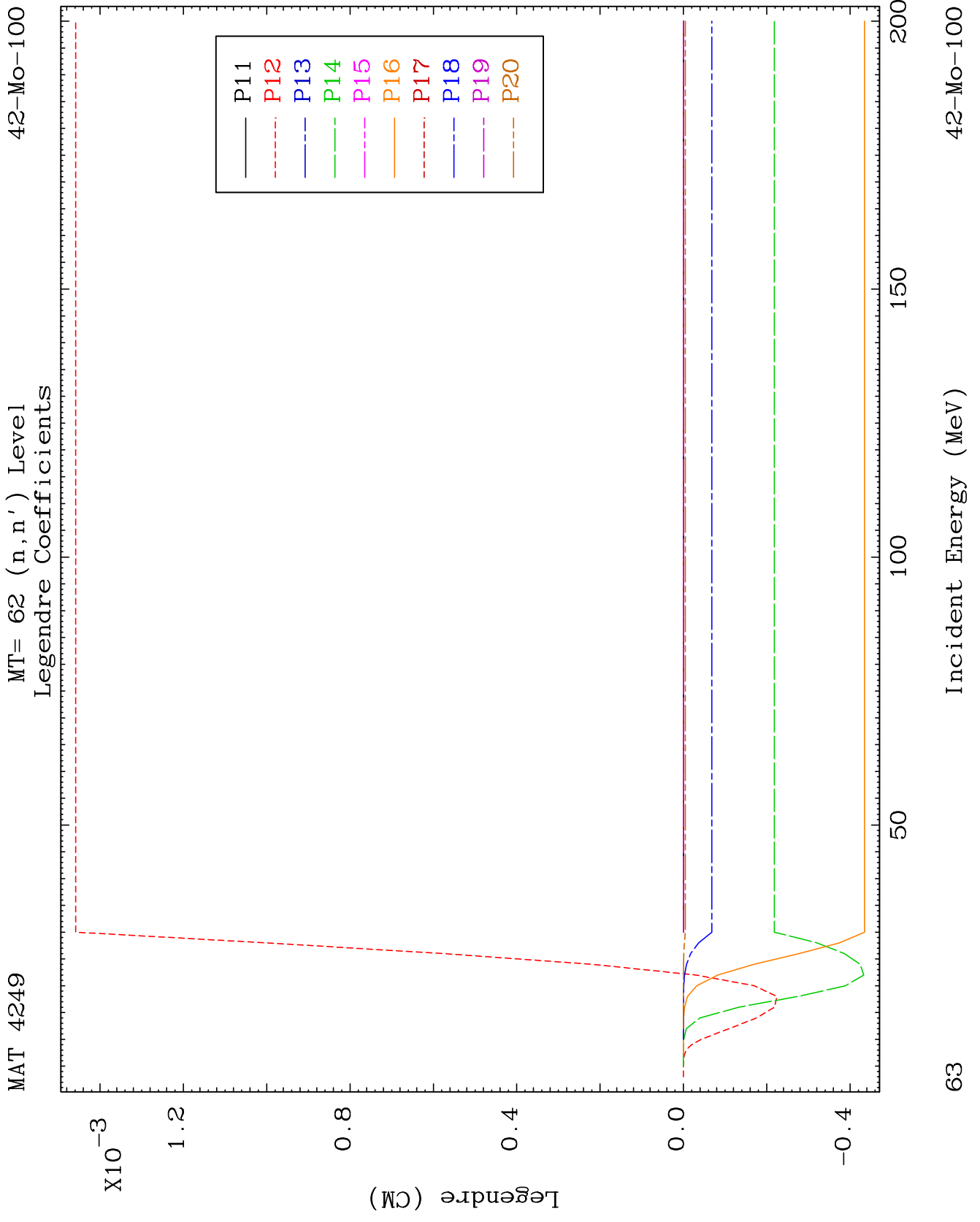
58



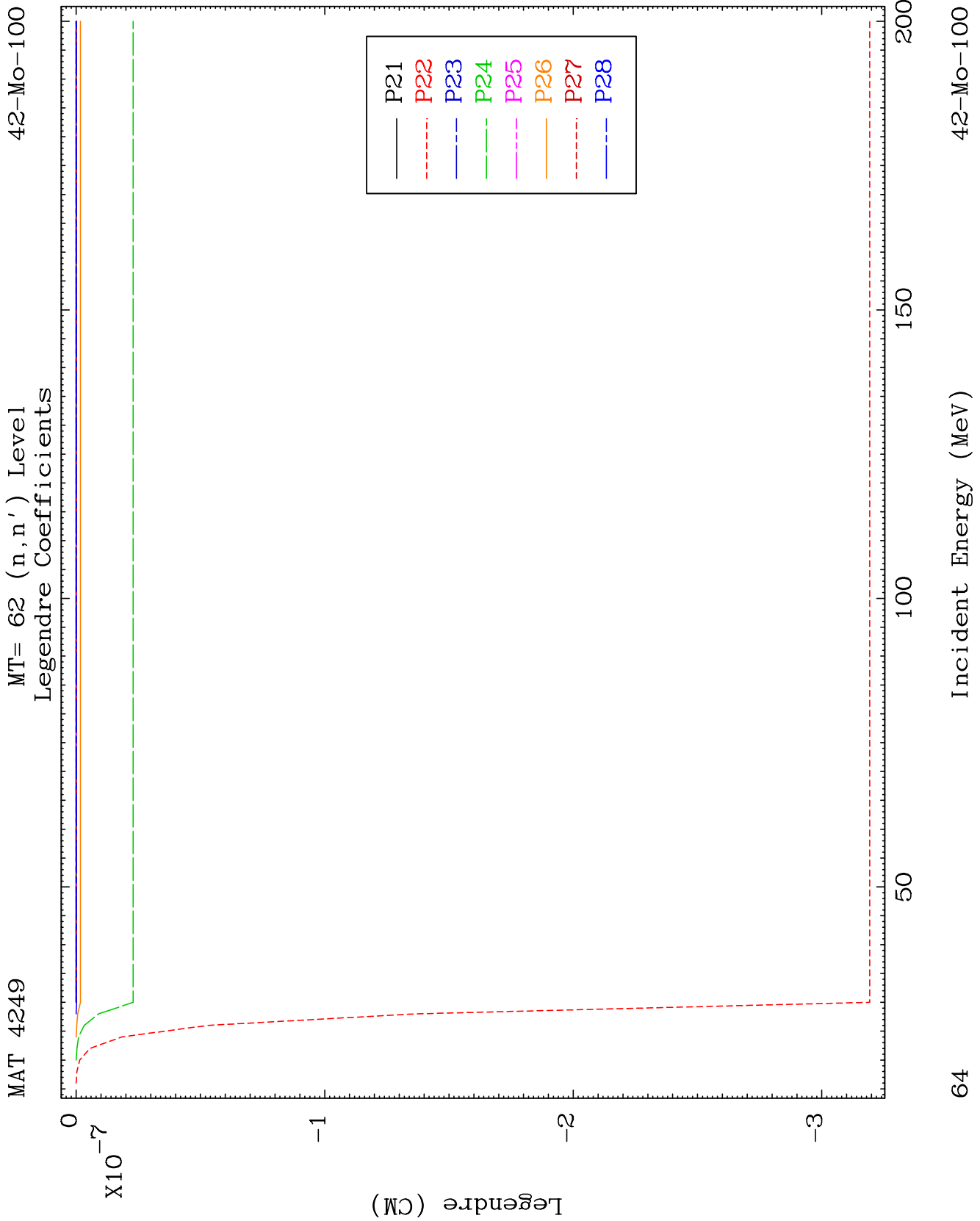


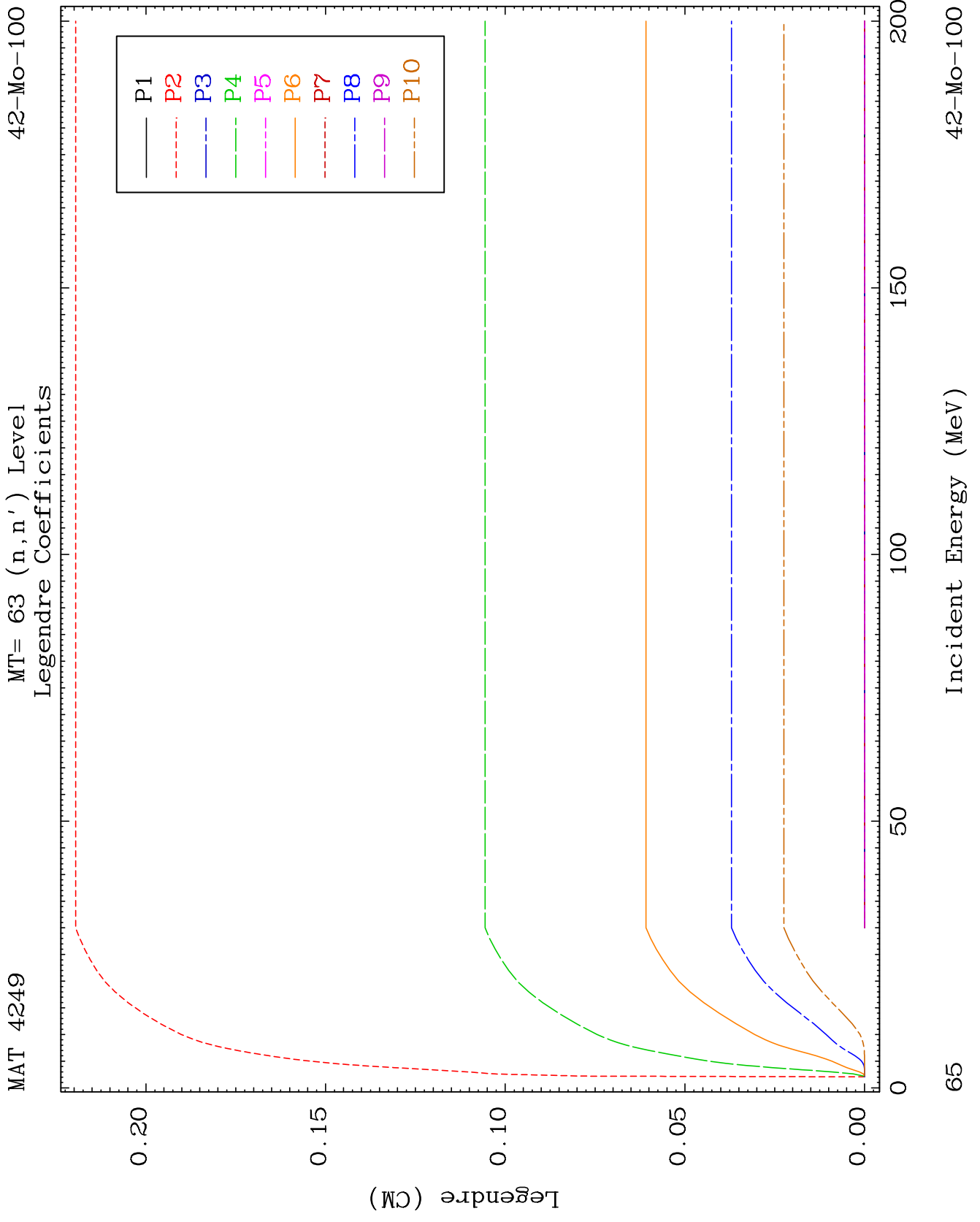


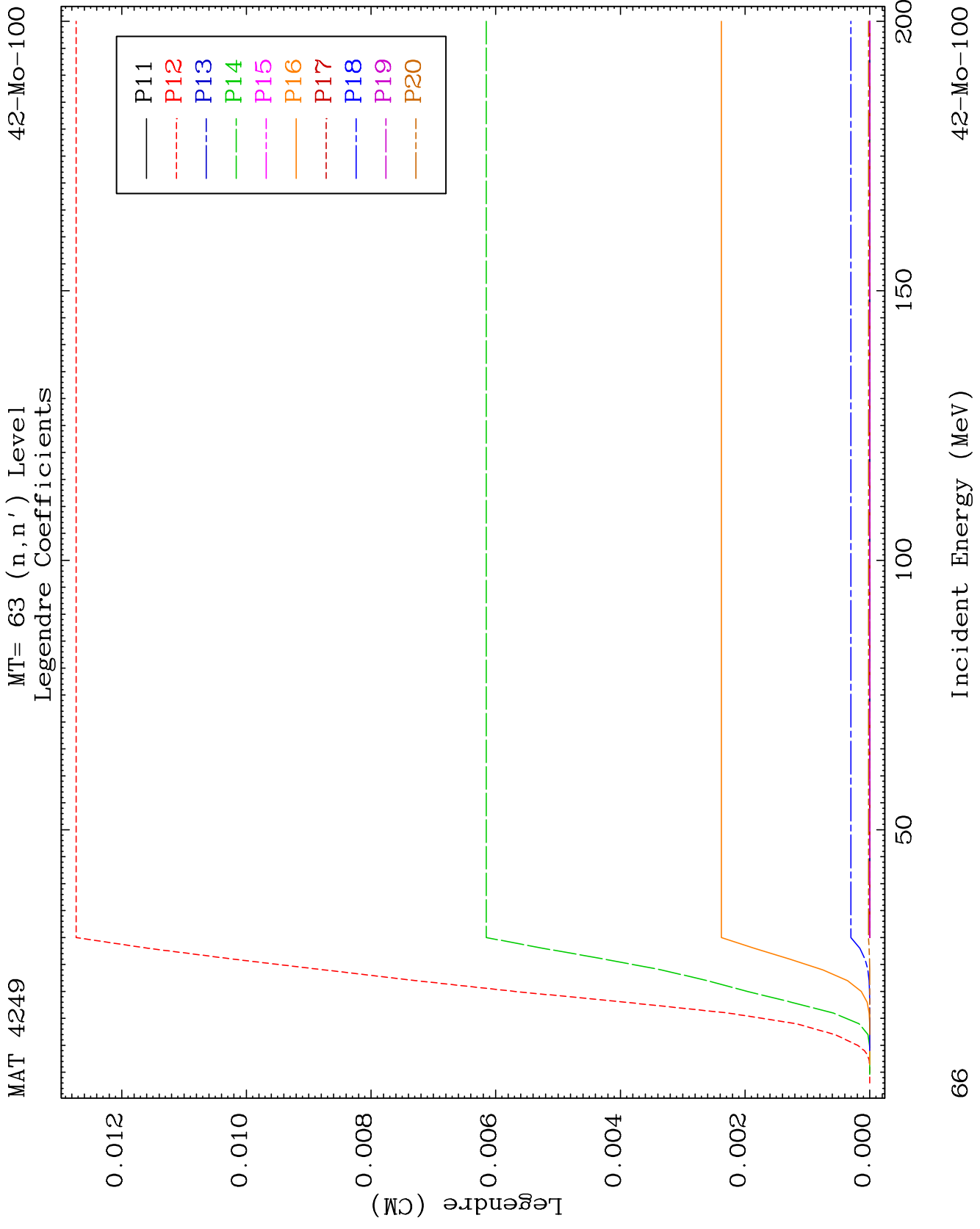


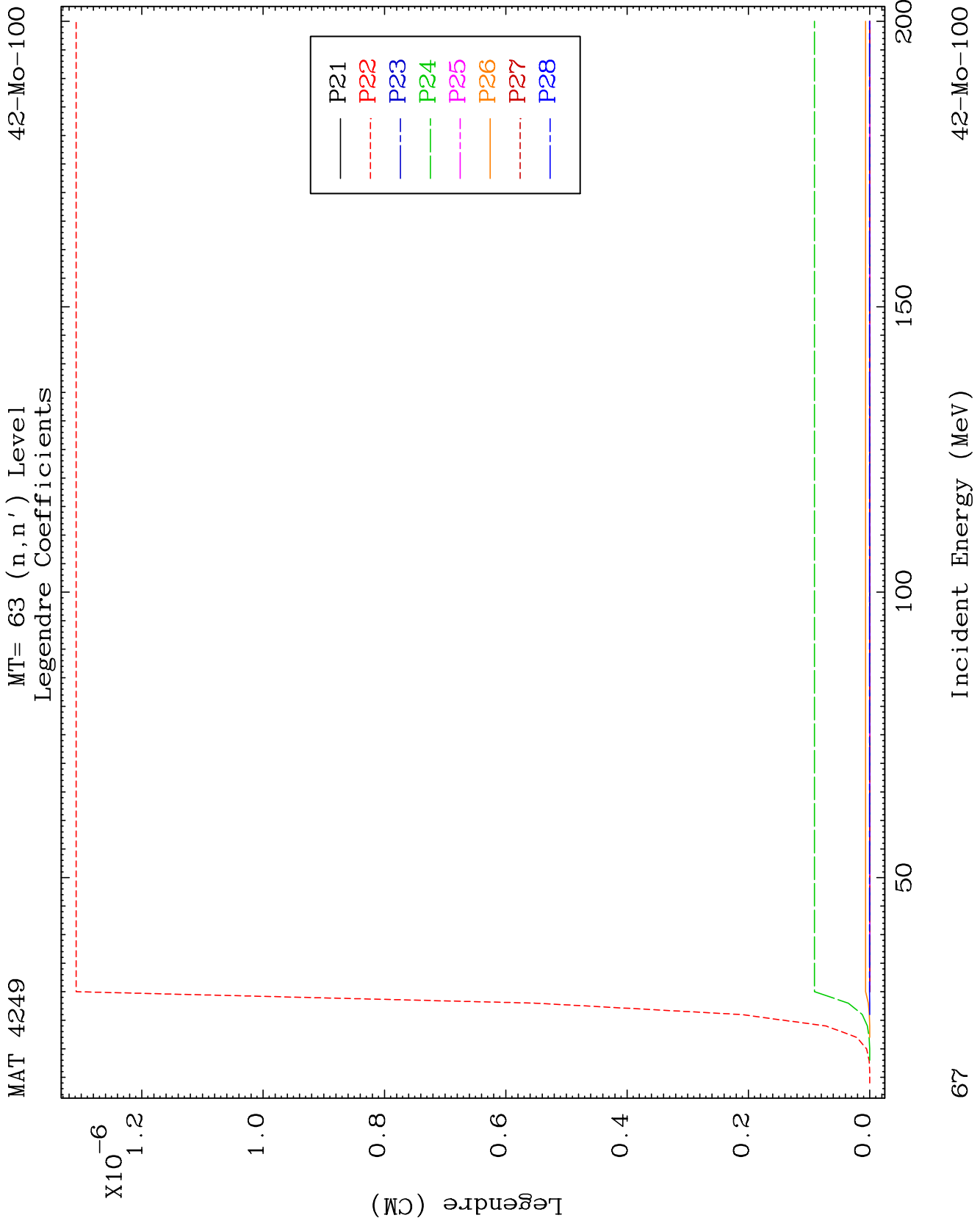


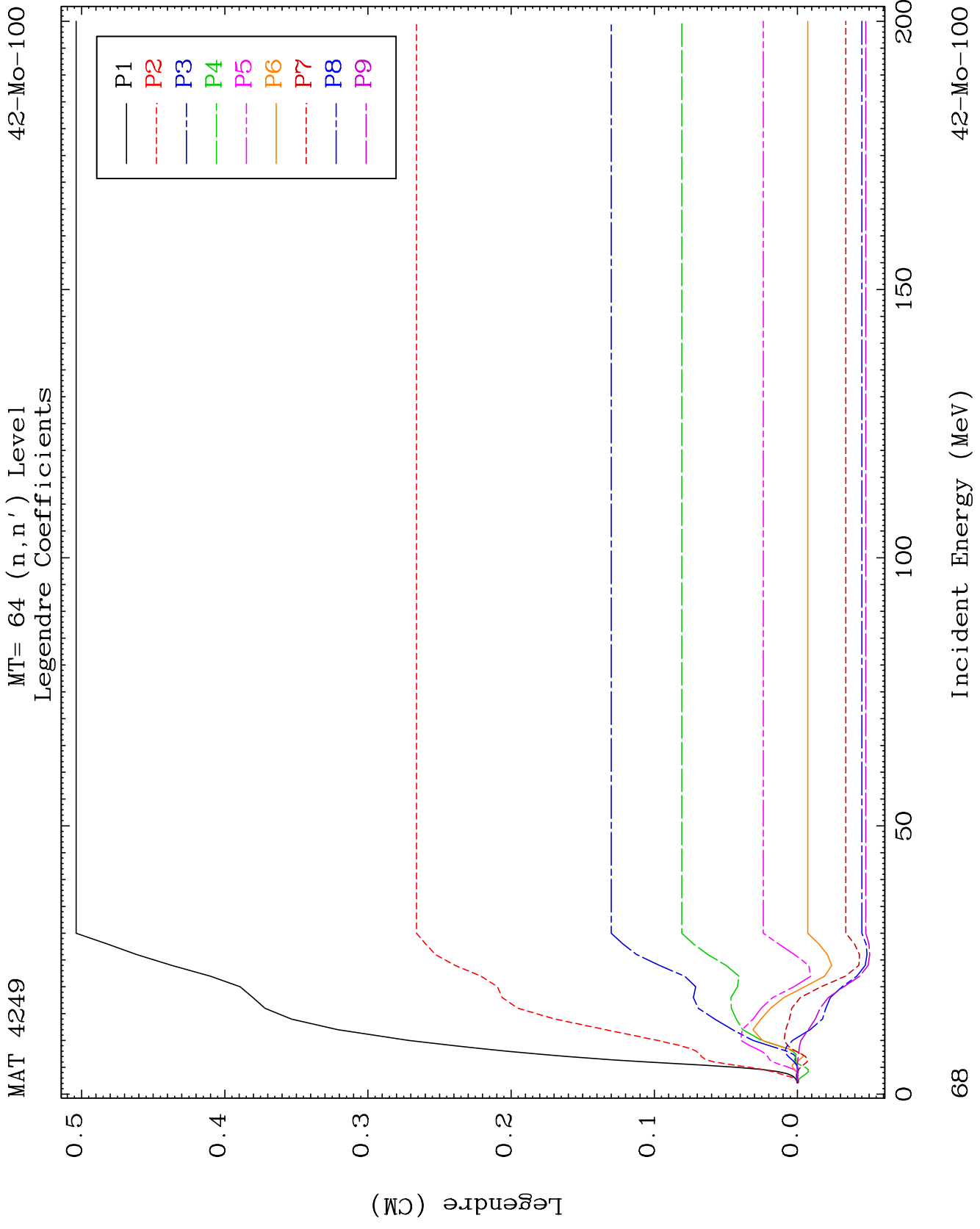








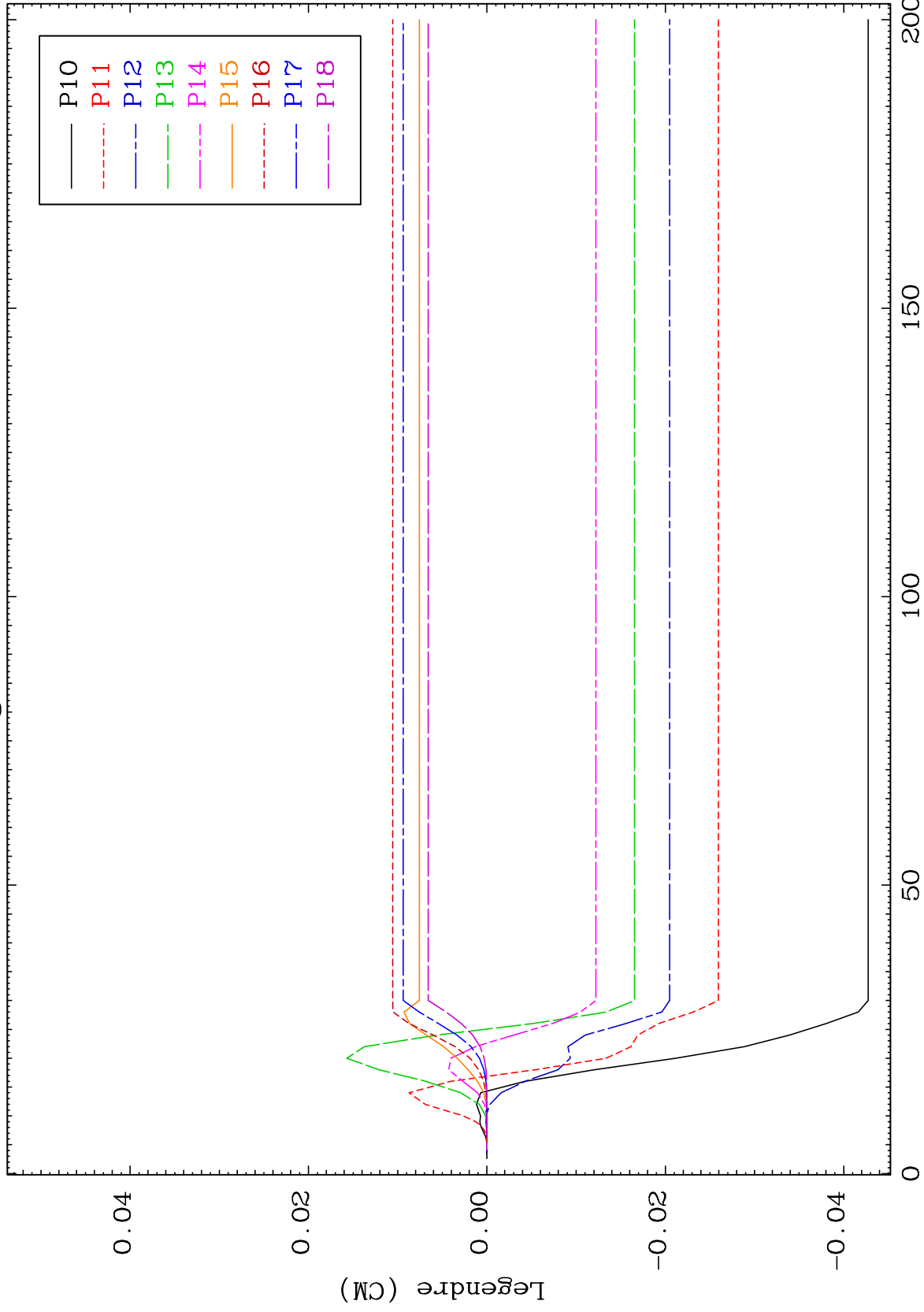




MAT 4249

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

42-Mo-100



69

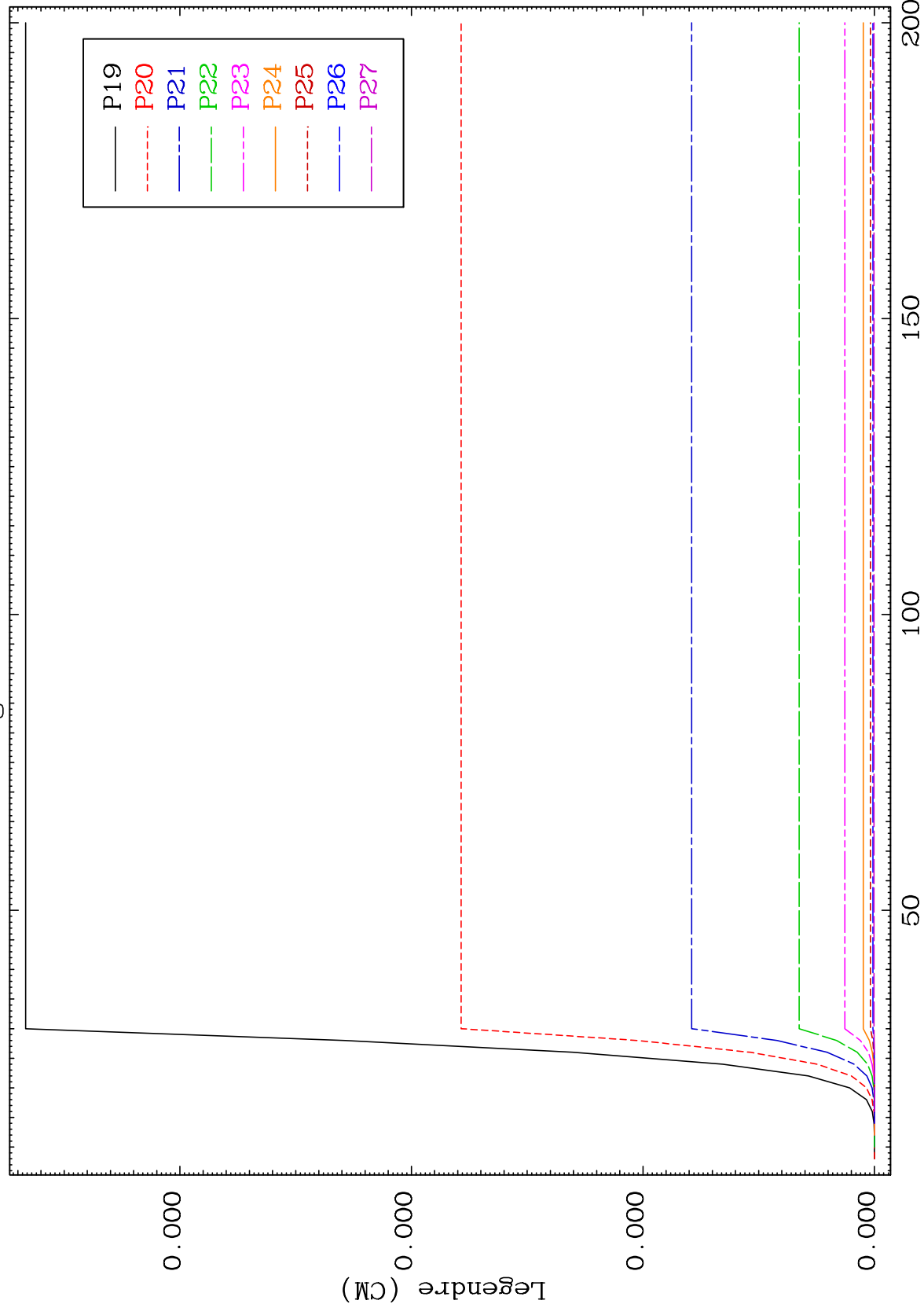
Incident Energy (MeV)

42-Mo-100

MAT 4249

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

42-Mo-100



70

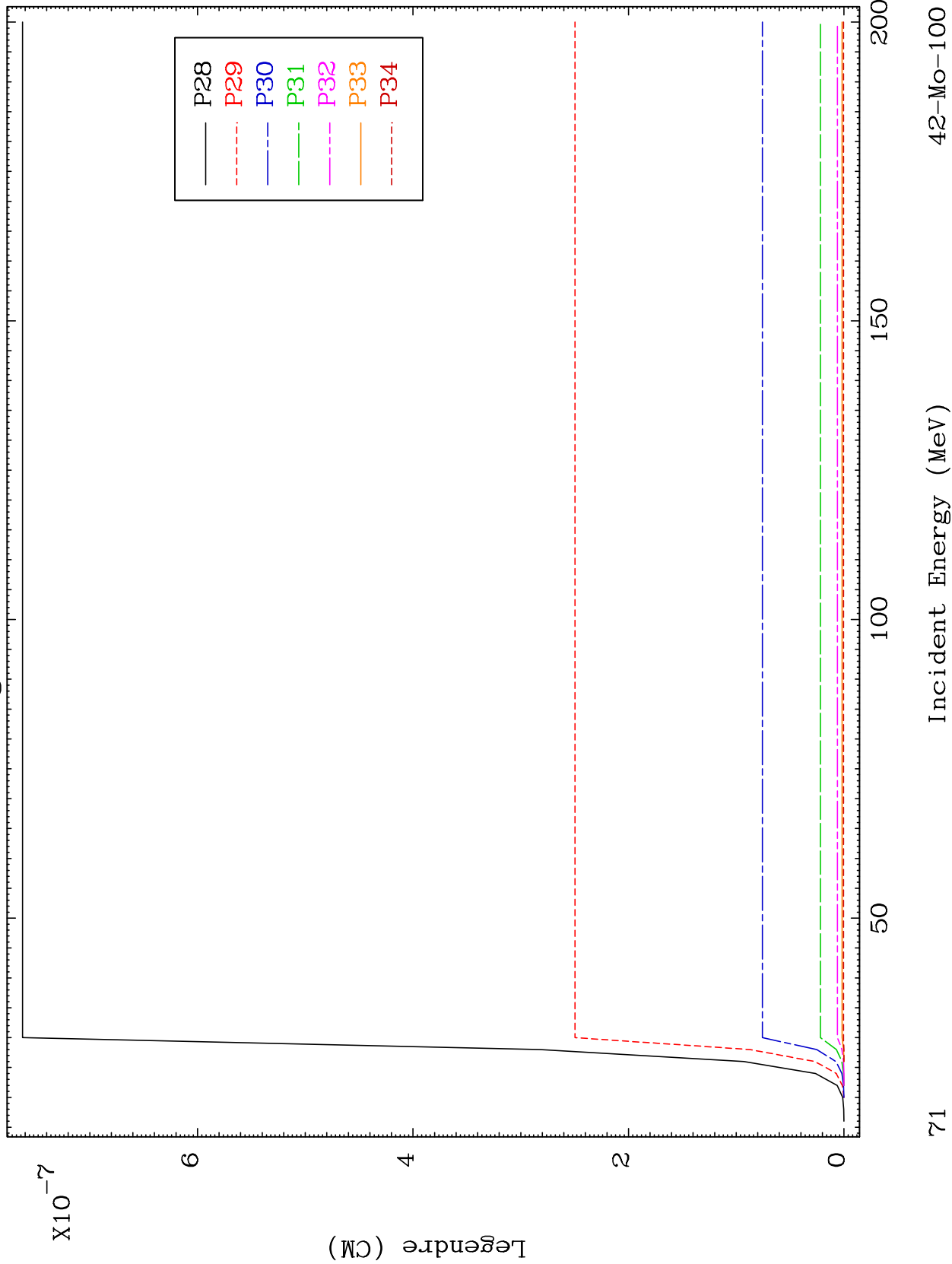
Incident Energy (MeV)

42-Mo-100

MAT 4249

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

42-Mo-100

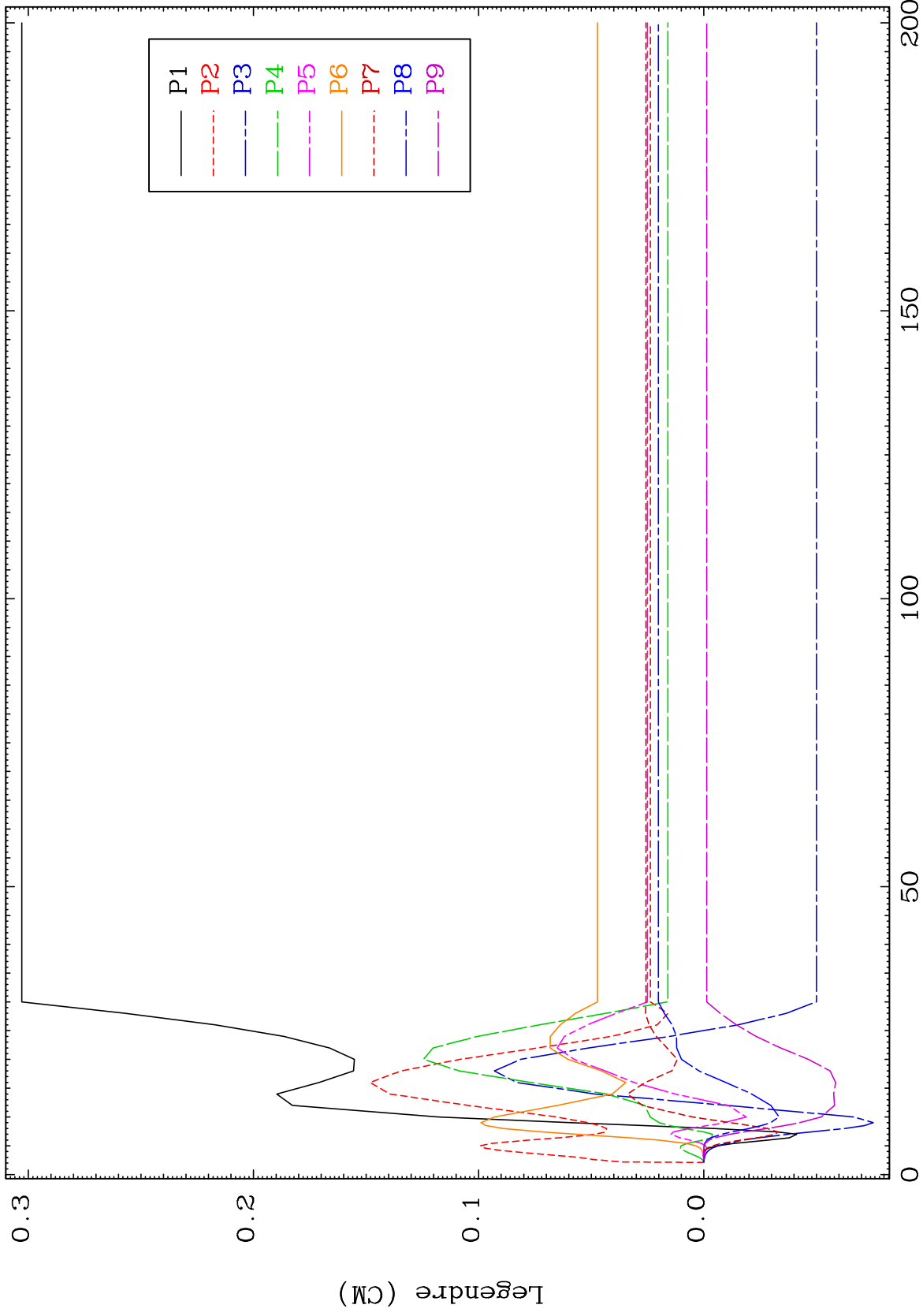




MAT 4249

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

42-Mo-100



72

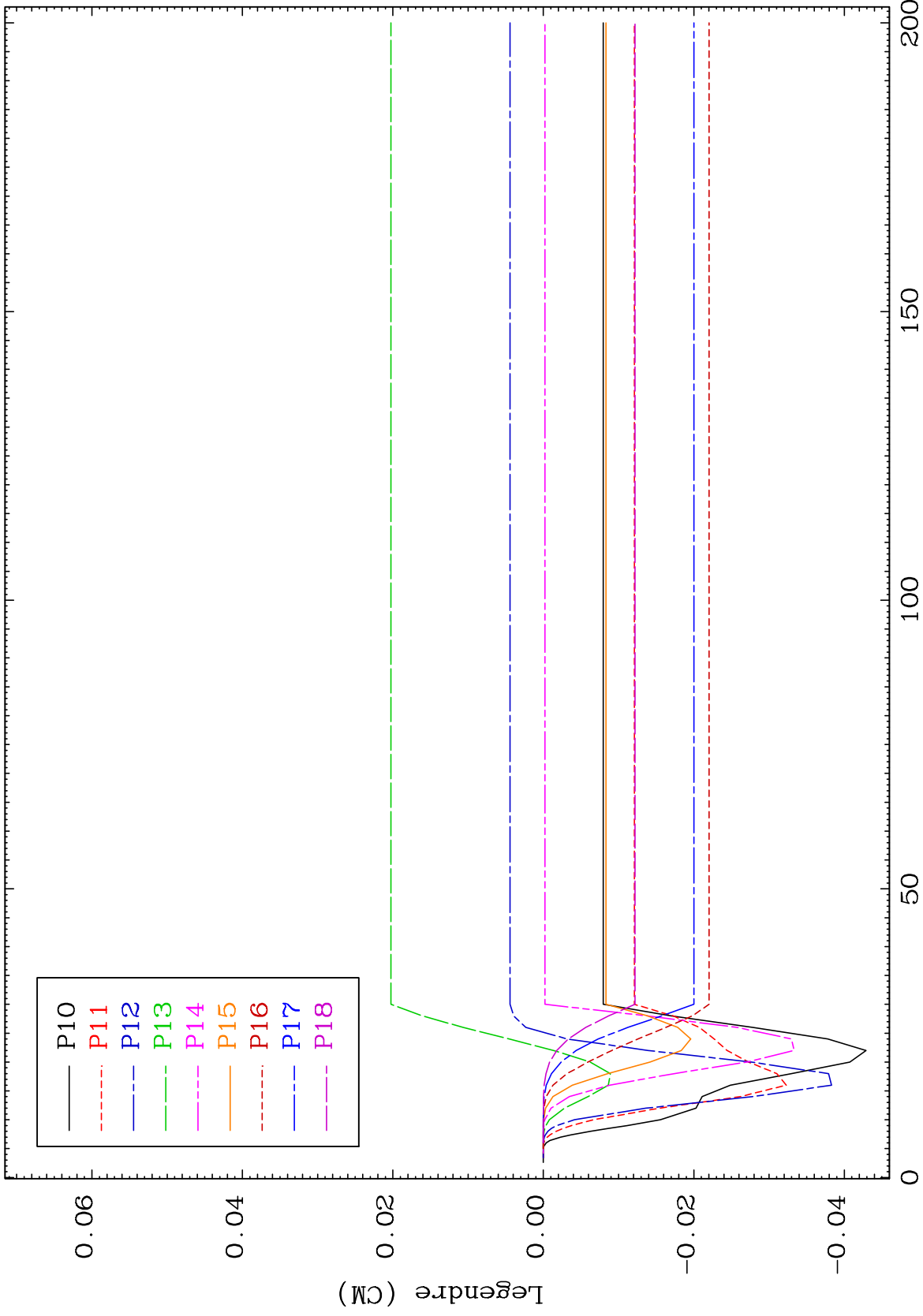
Incident Energy (MeV)

42-Mo-100

MAT 4249

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

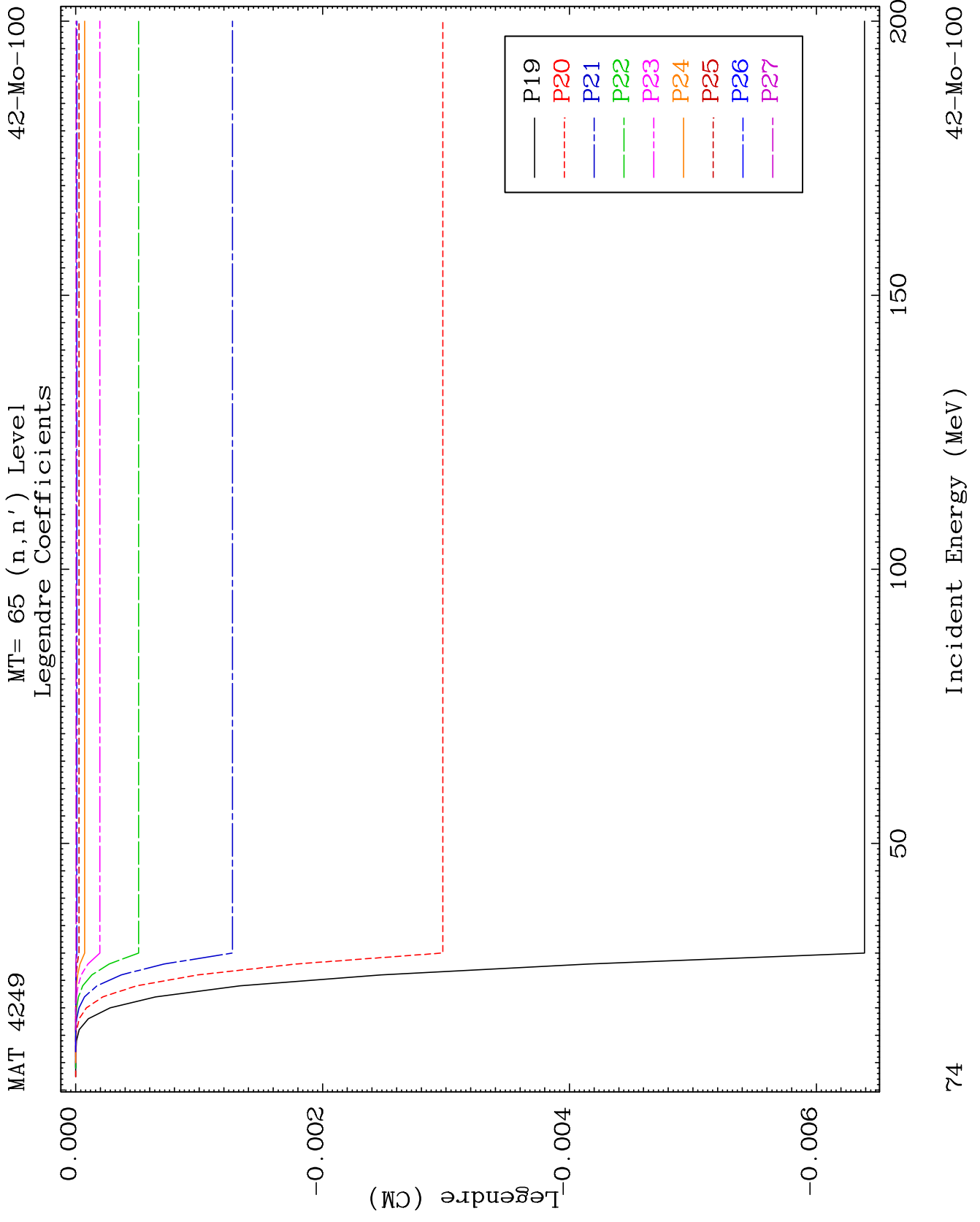
42-Mo-100

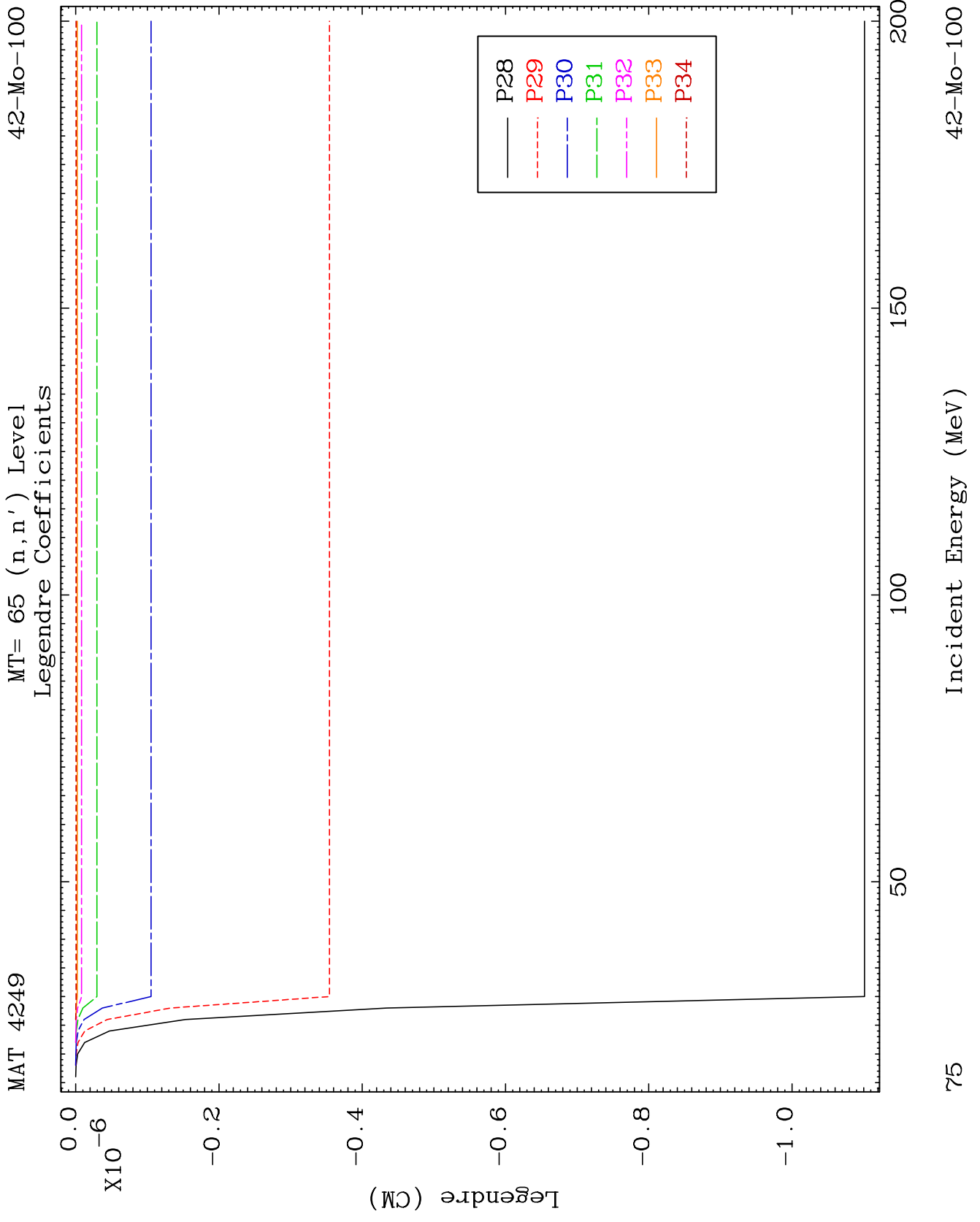


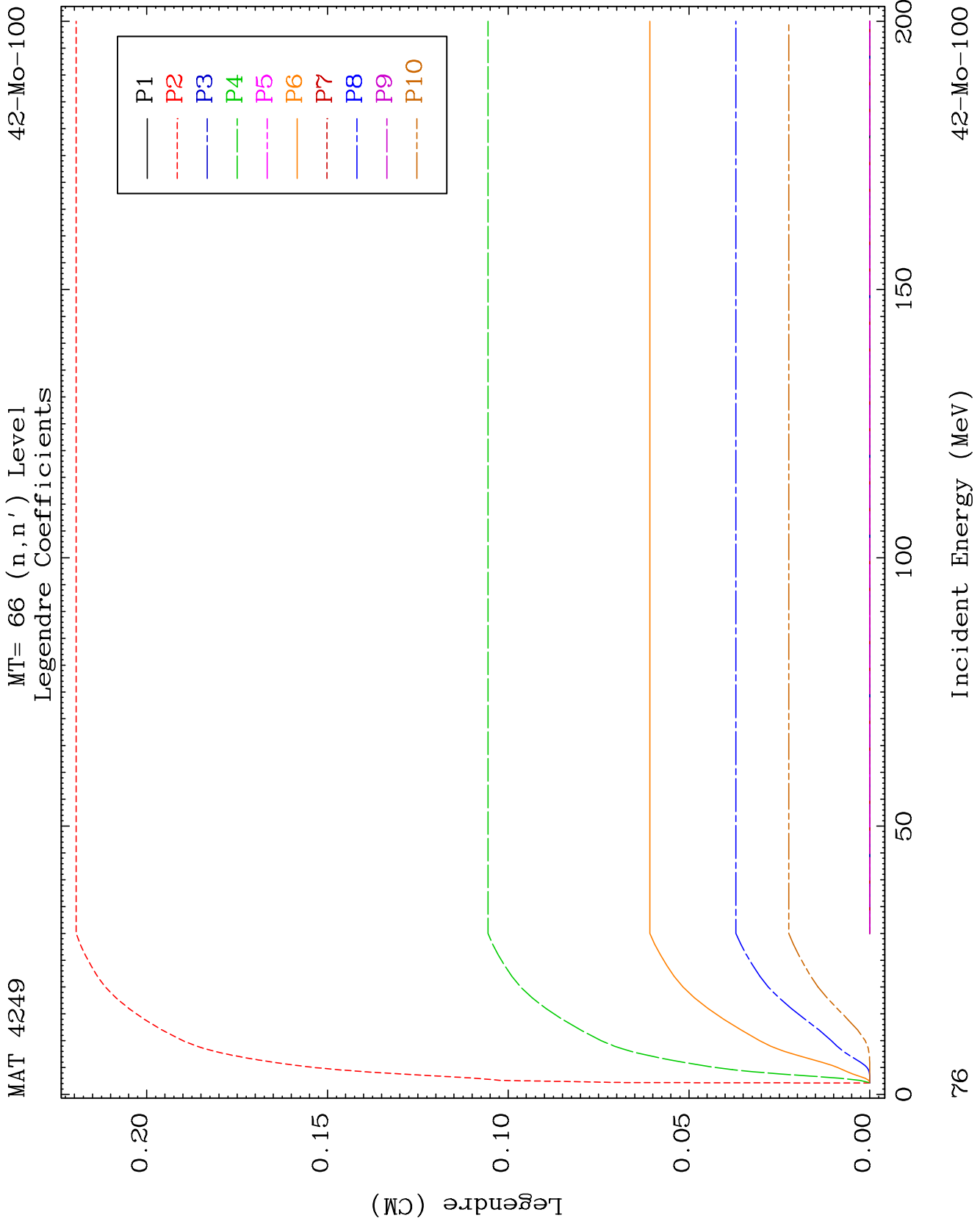
73

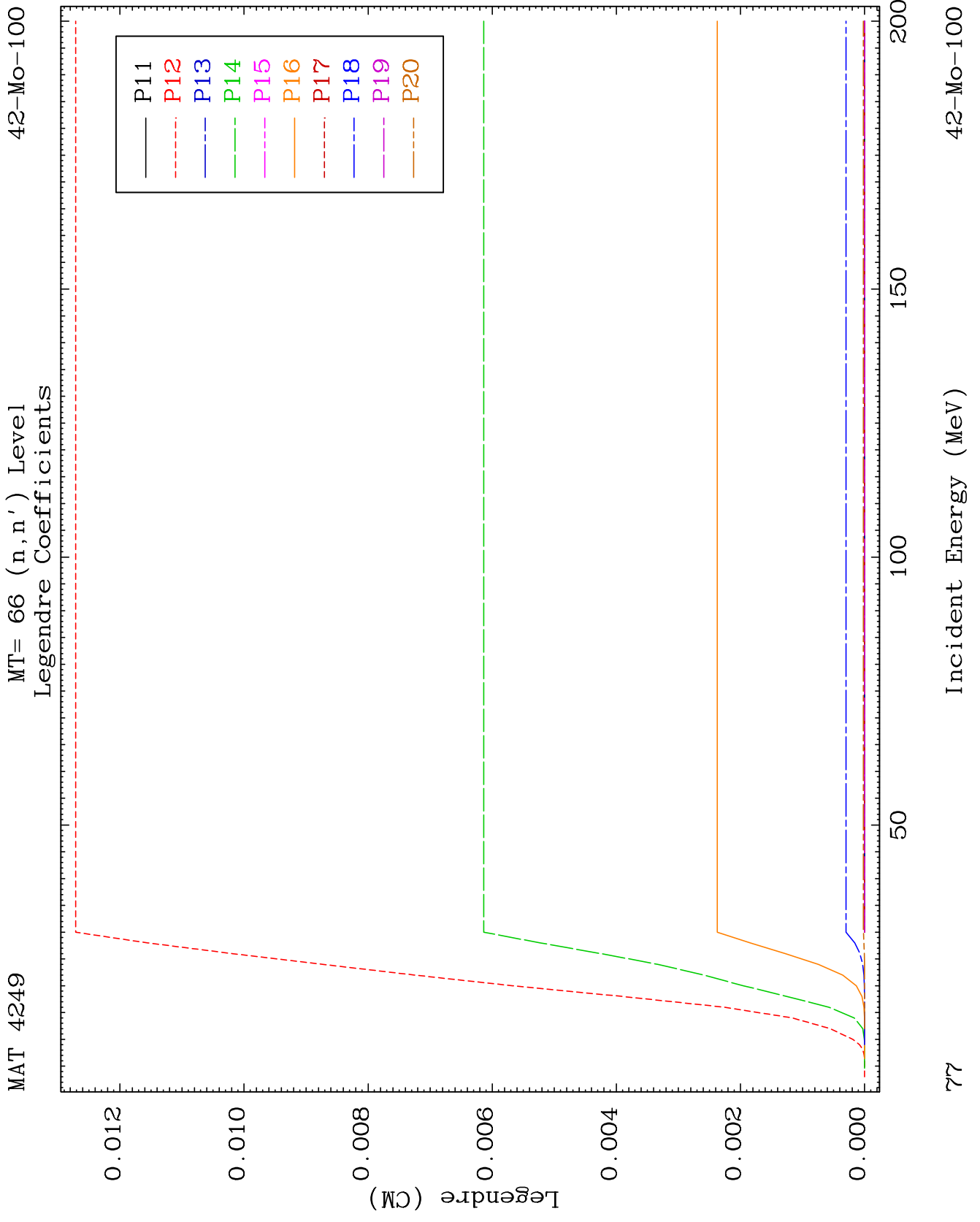
Incident Energy (MeV)

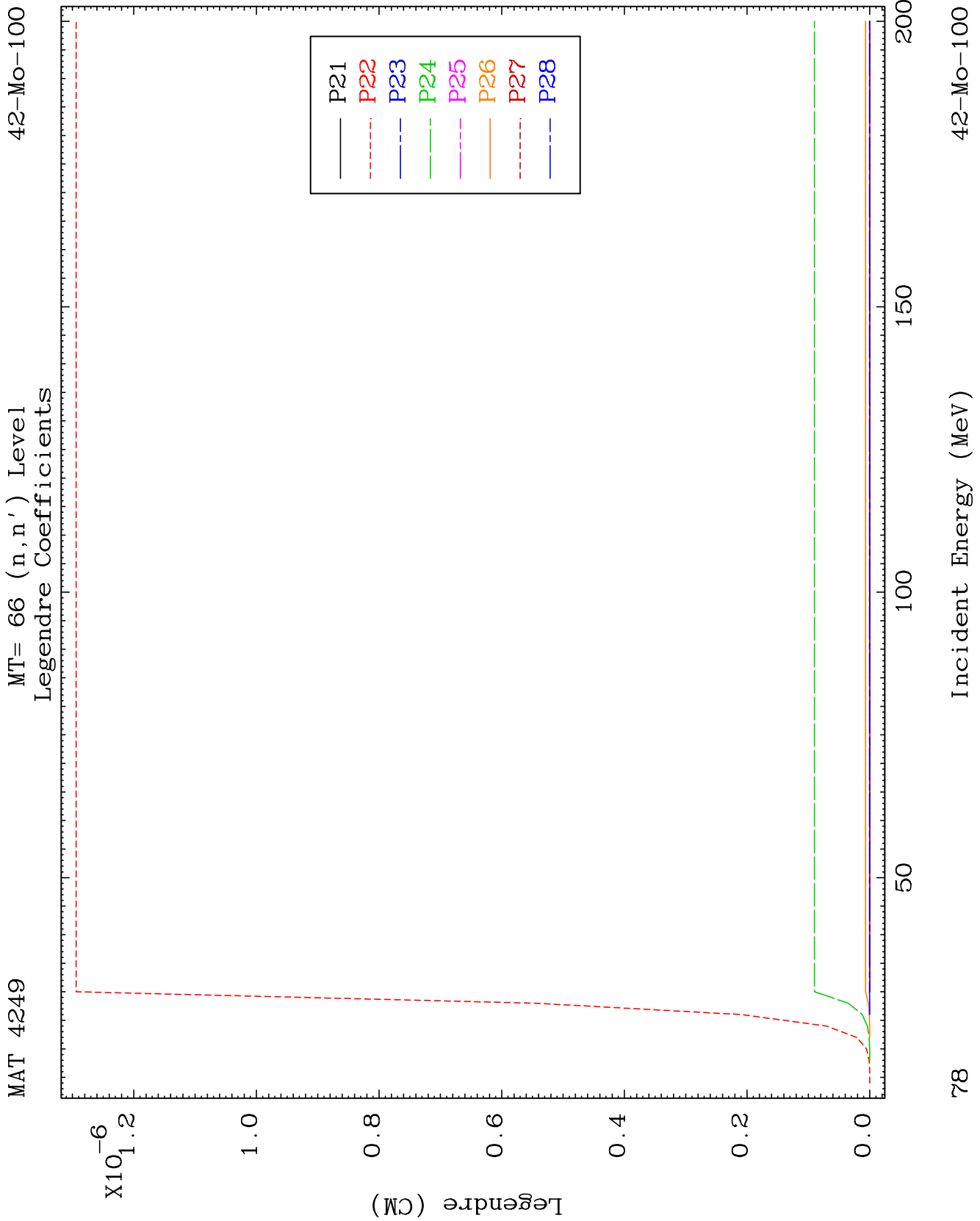
42-Mo-100







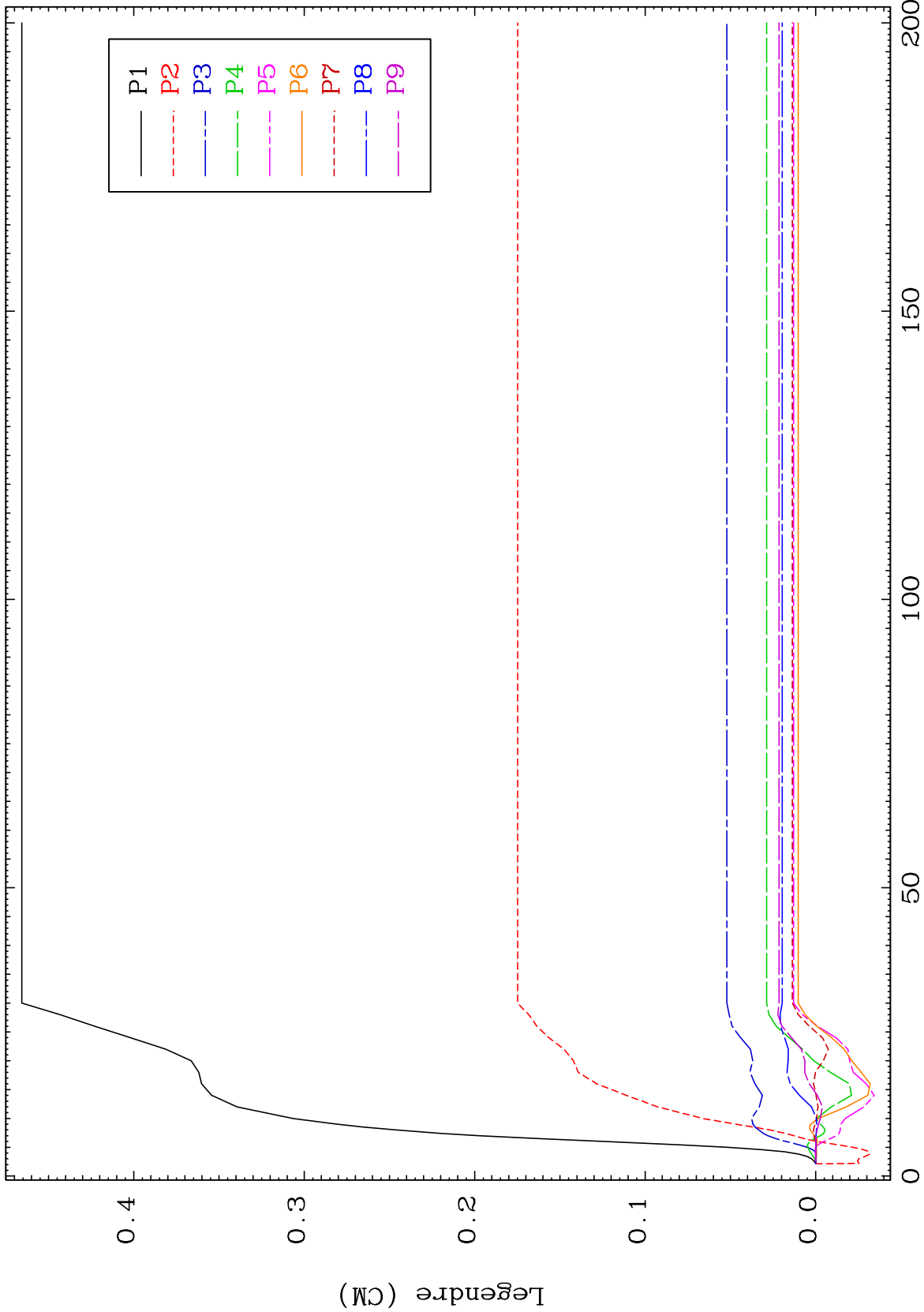




MAT 4249

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

42-Mo-100

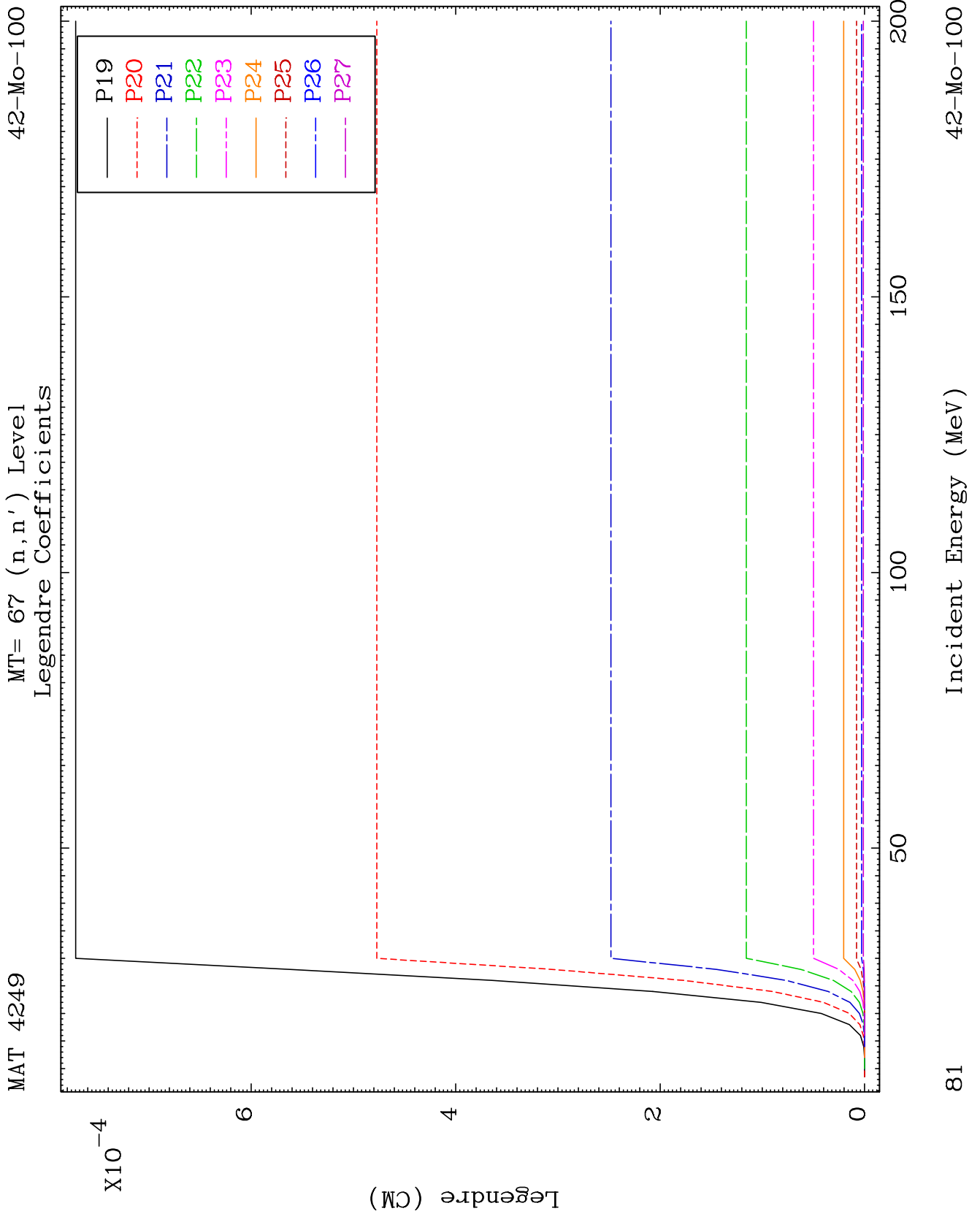


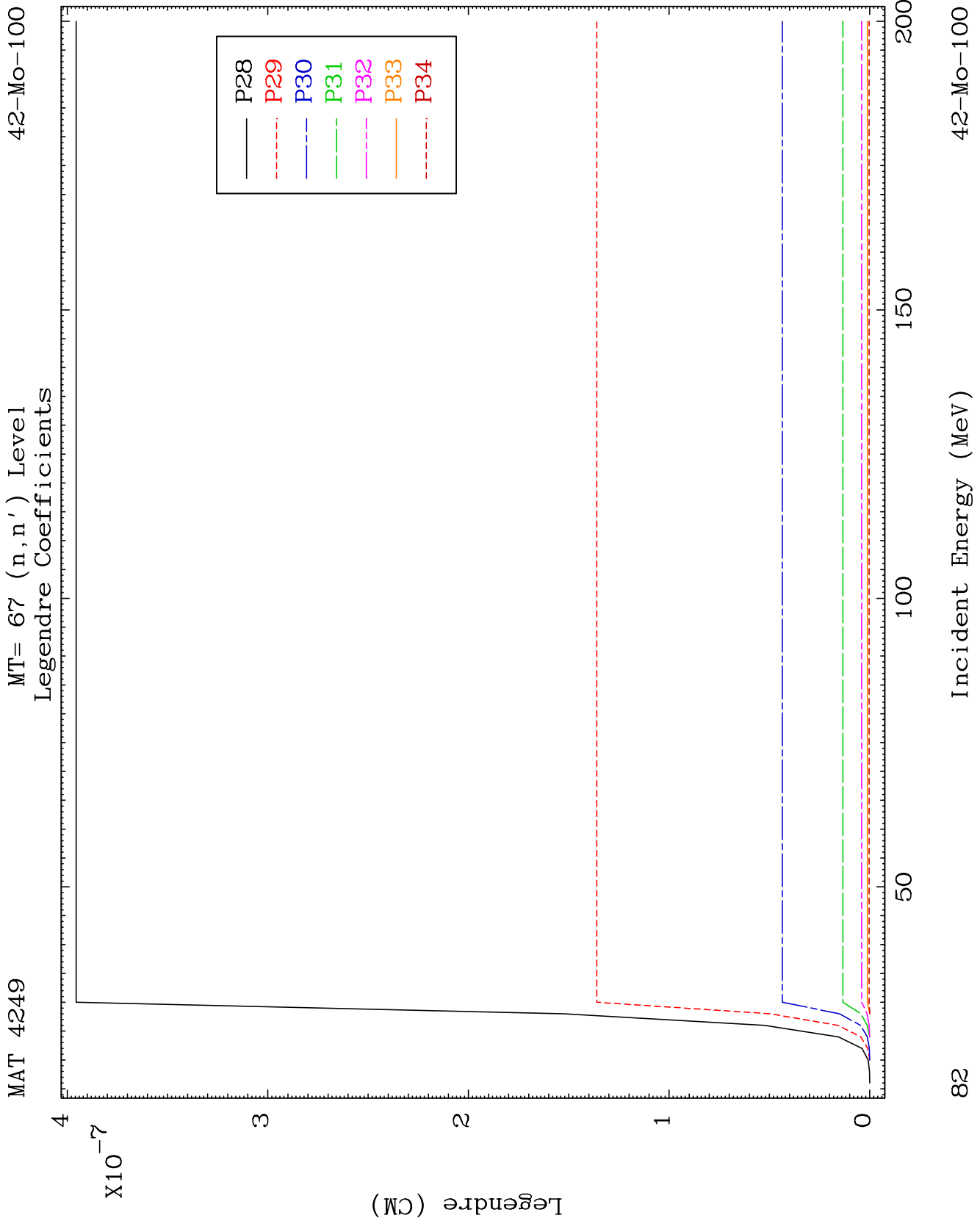
79

42-Mo-100





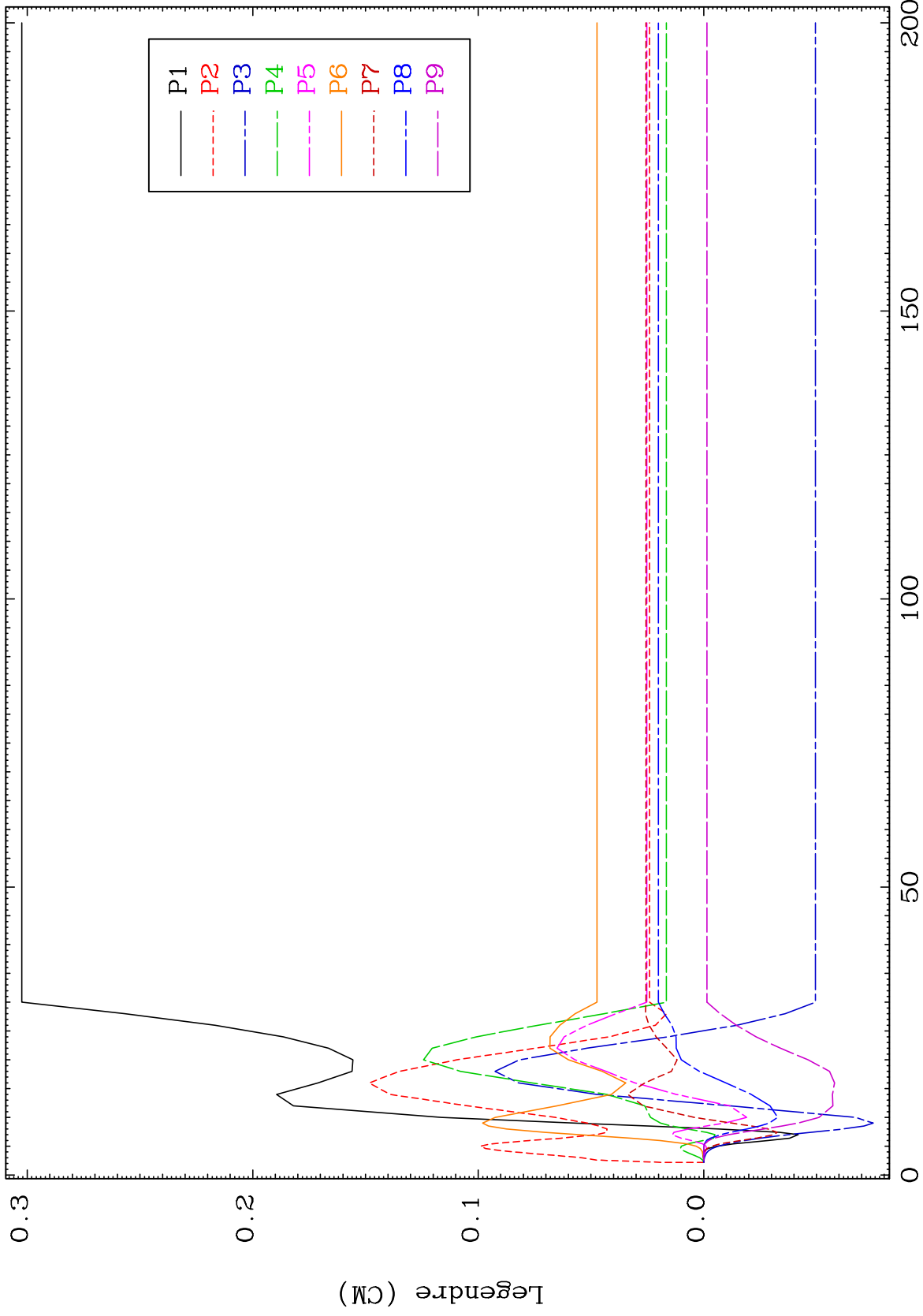




MAT 4249

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

42-Mo-100



83

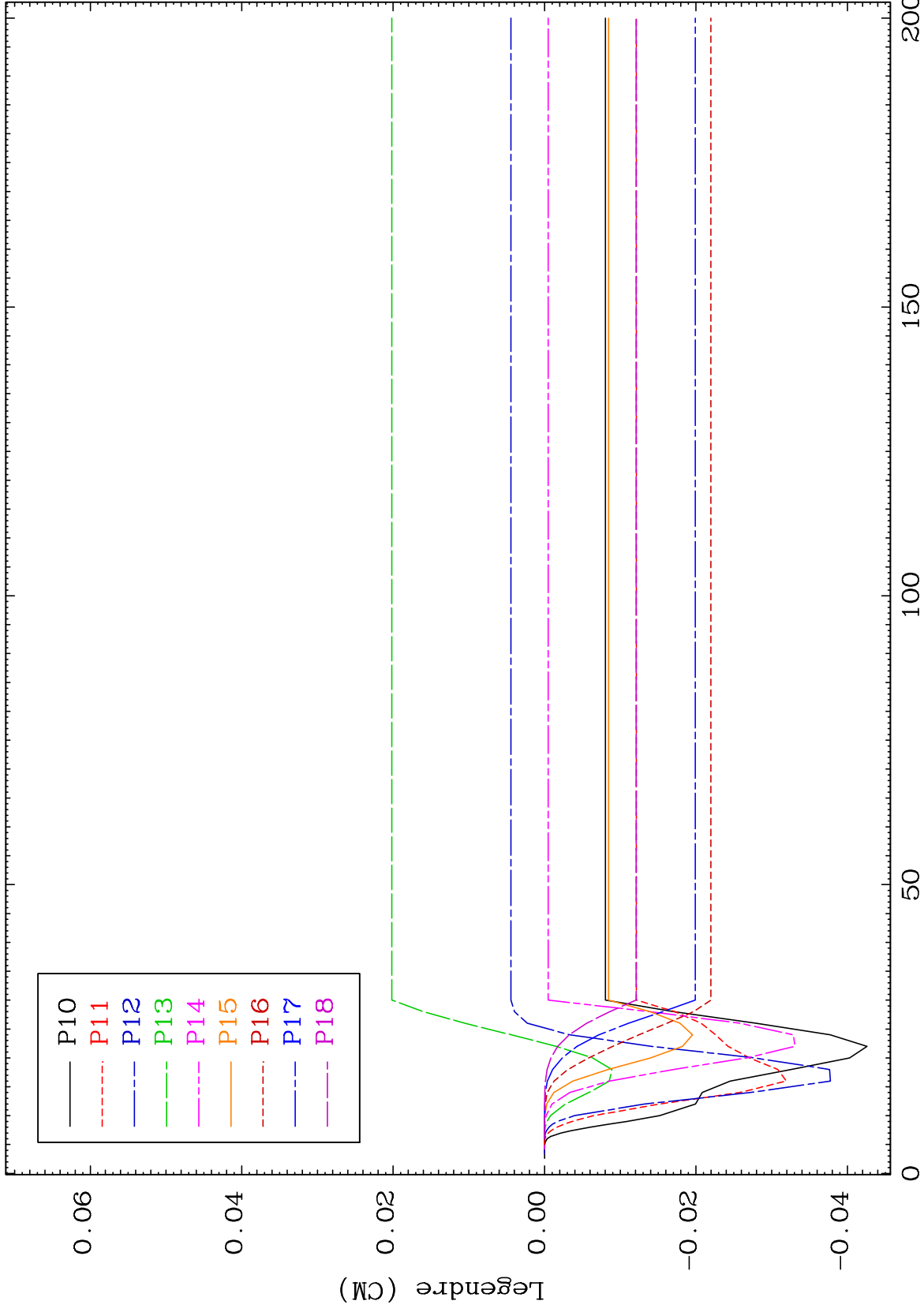
Incident Energy (MeV)

42-Mo-100

MAT 4249

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

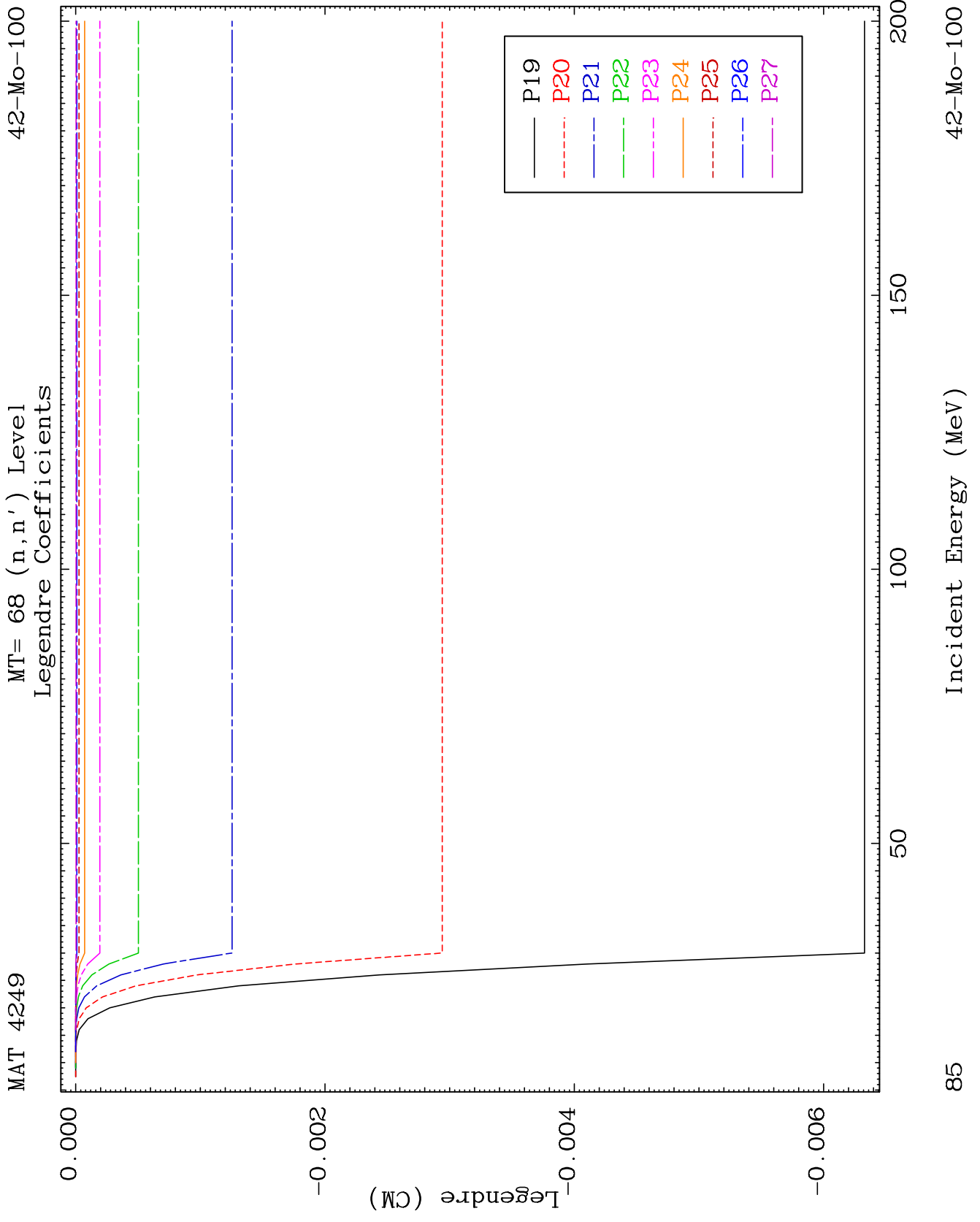
42-Mo-100

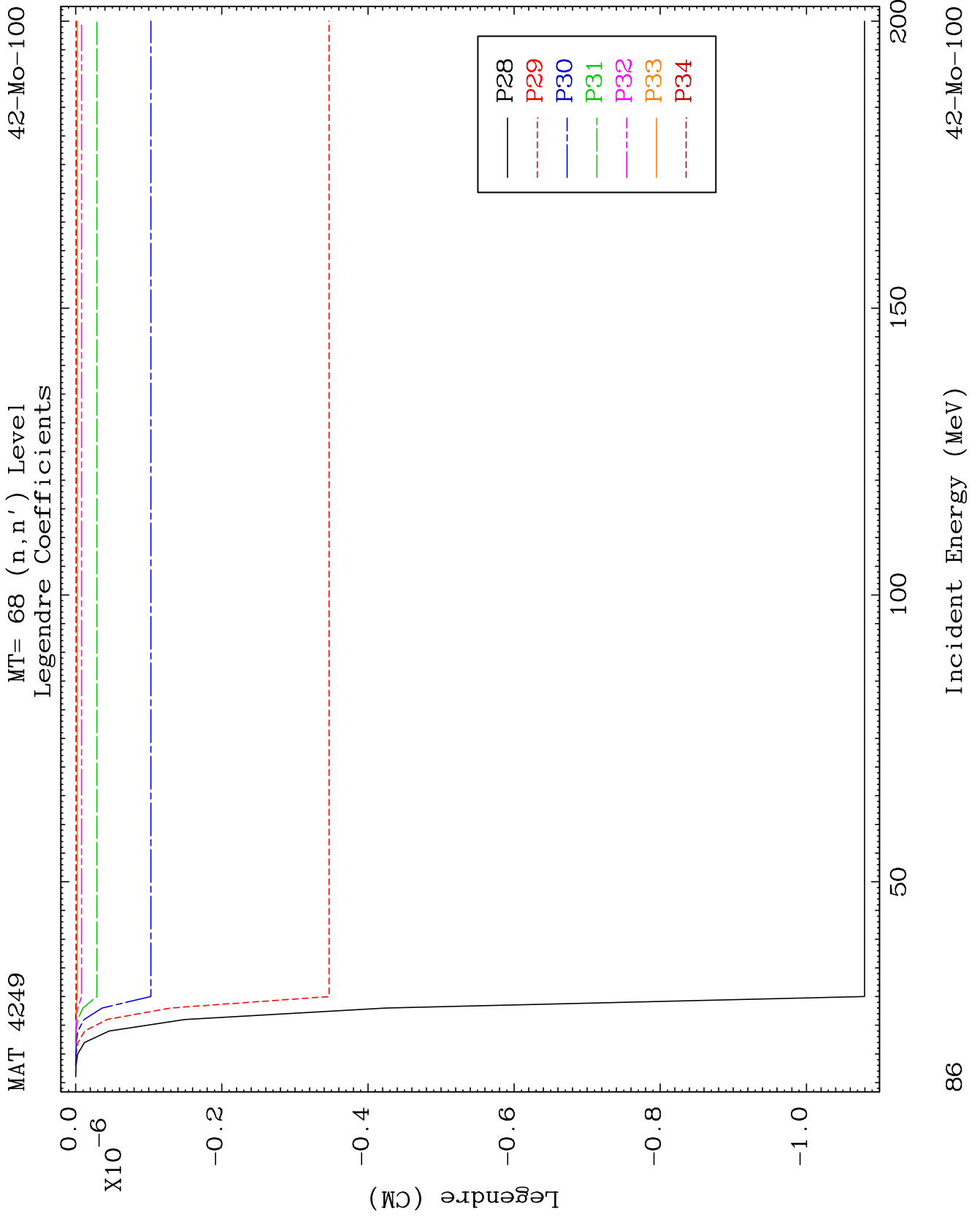


84

Incident Energy (MeV)

42-Mo-100

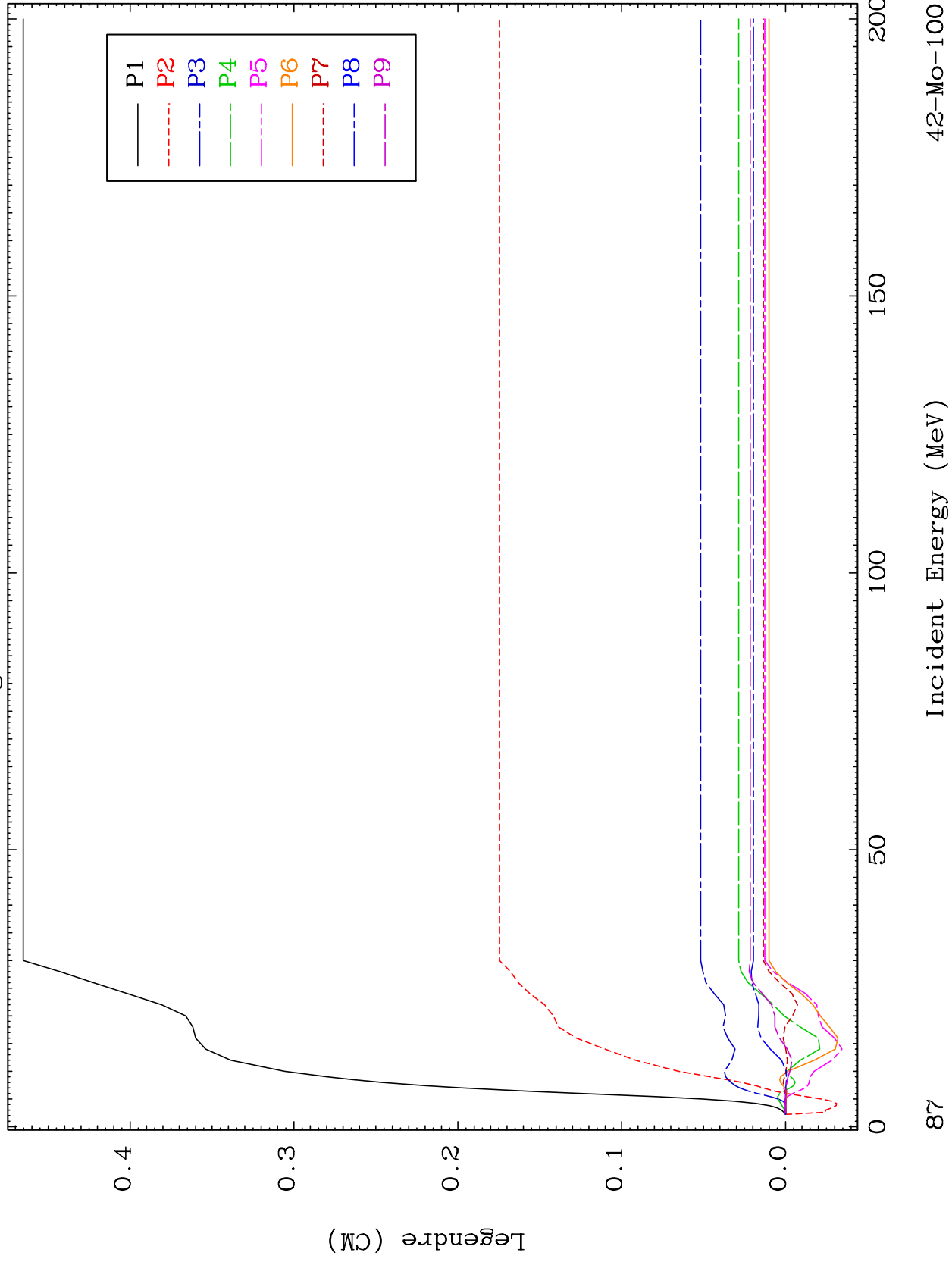




MAT 4249

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

42-Mo-100



87

Incident Energy (MeV)

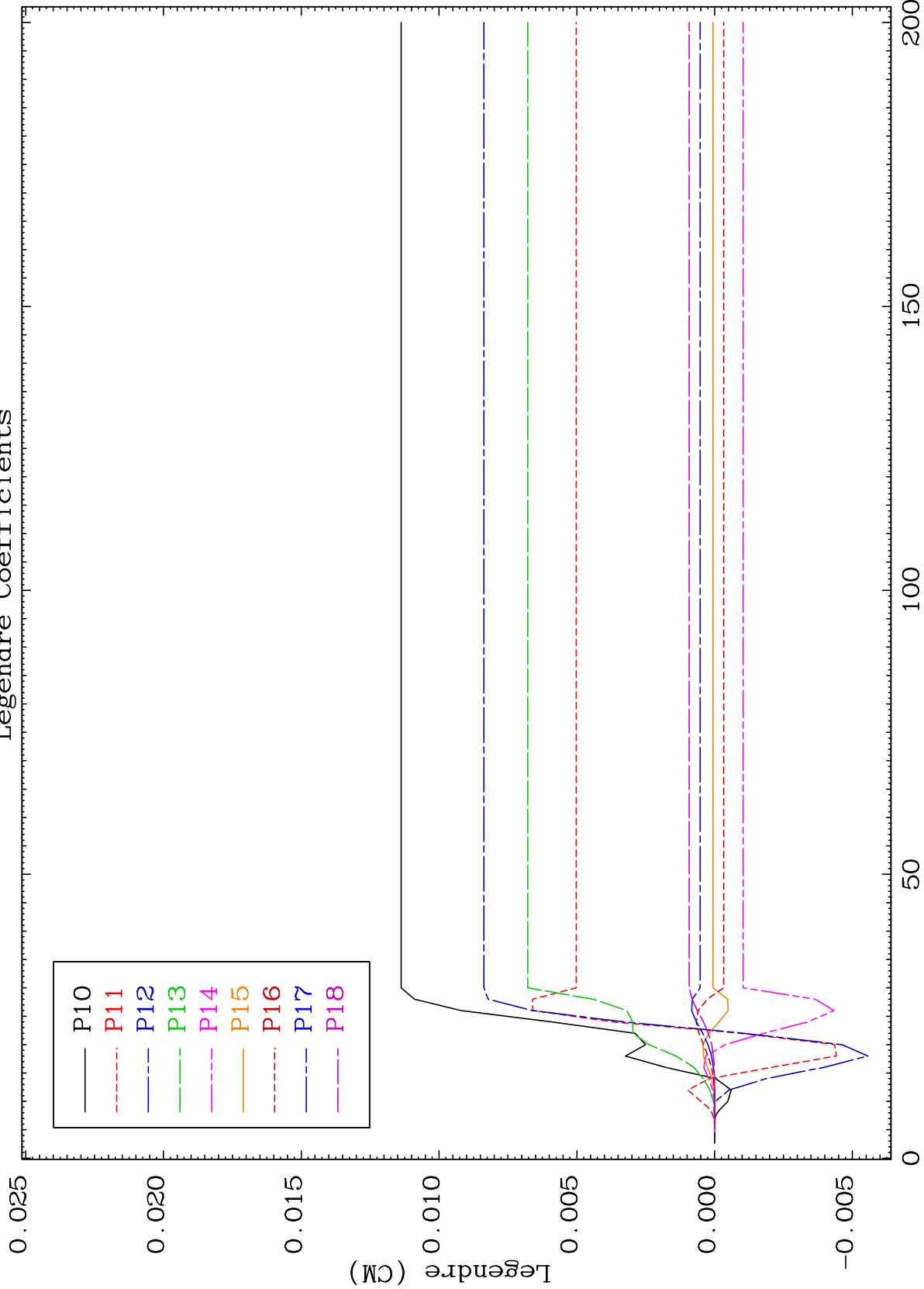
42-Mo-100



MAT 4249

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

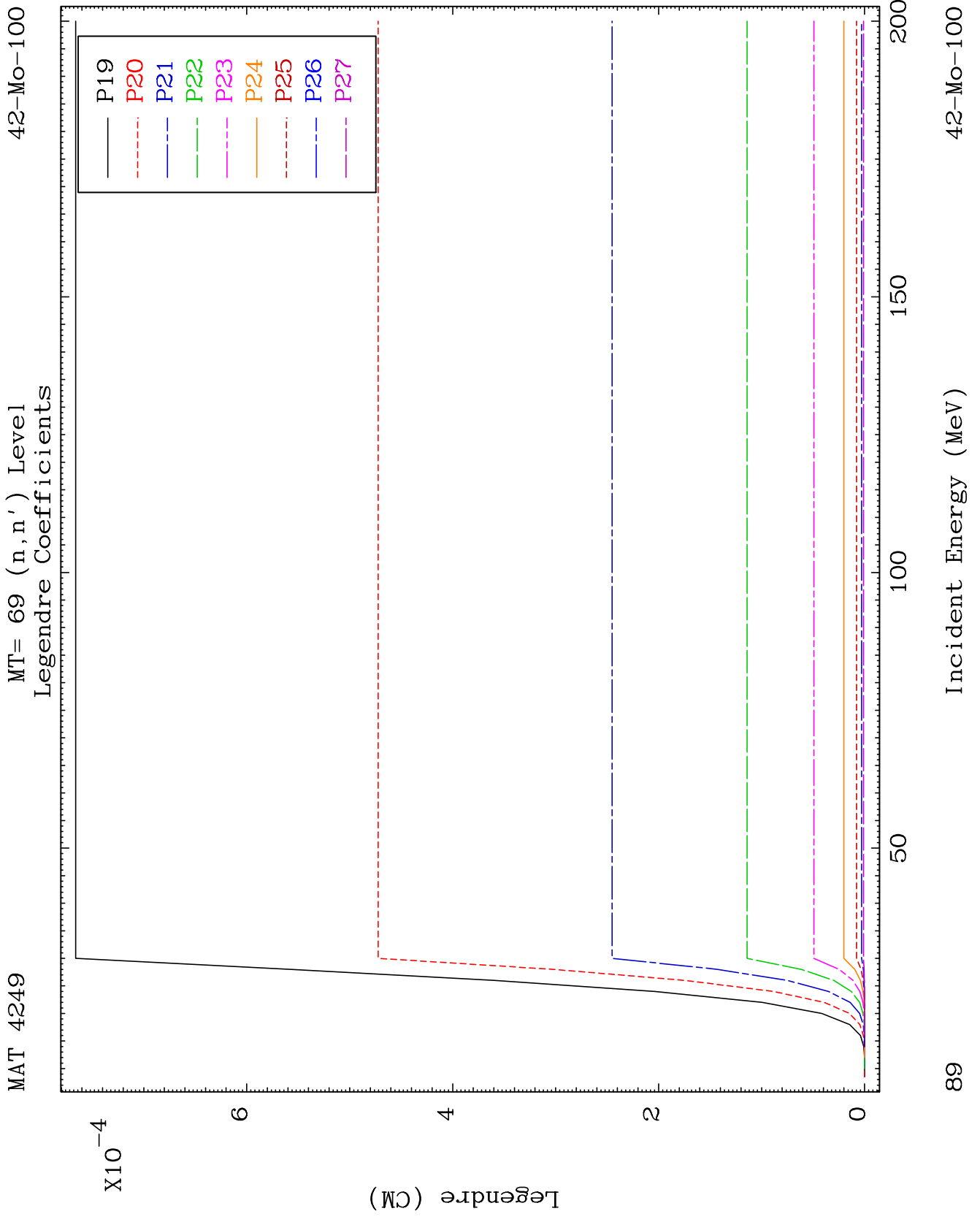
42-Mo-100



88

Incident Energy (MeV)

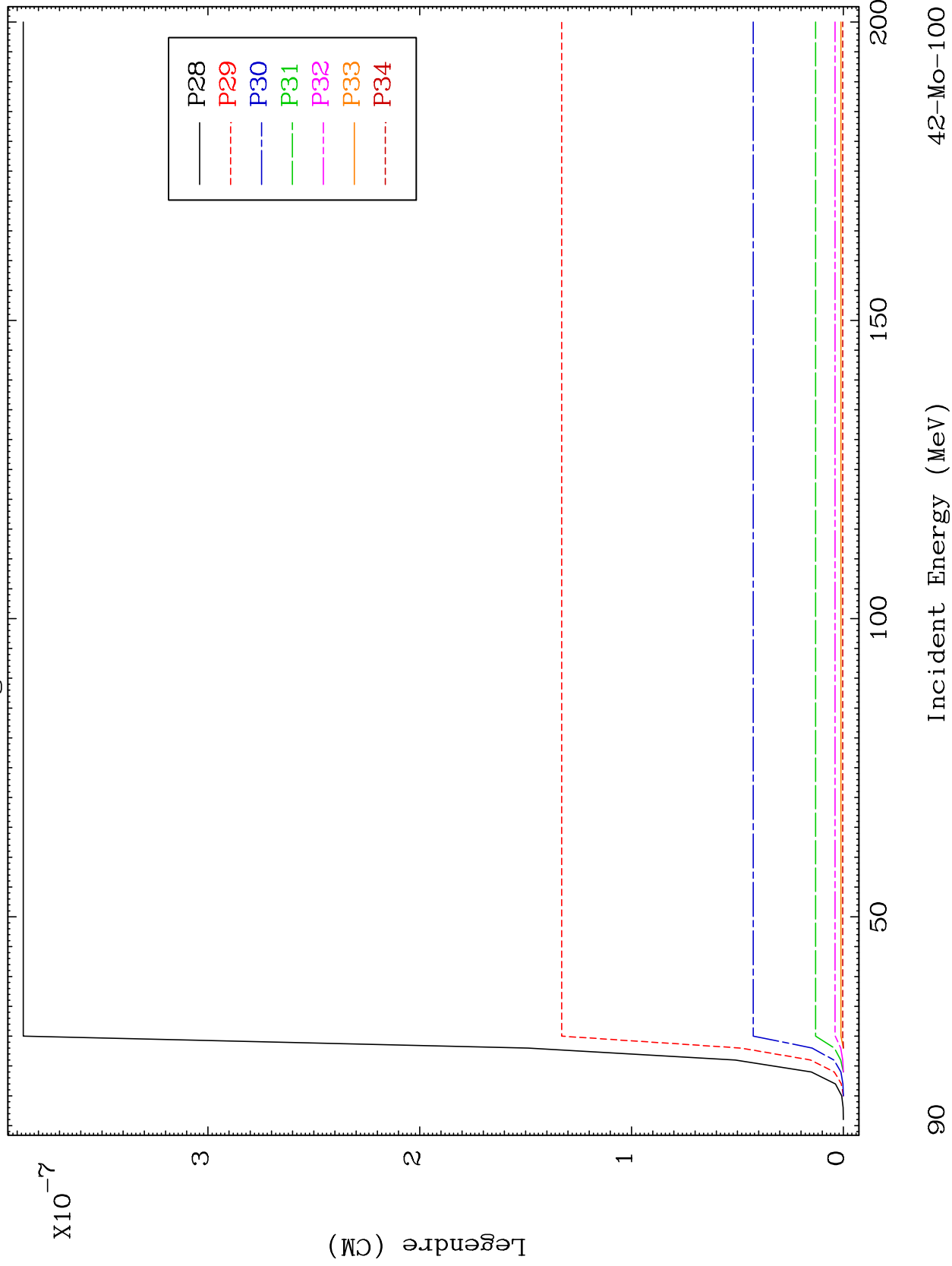
42-Mo-100

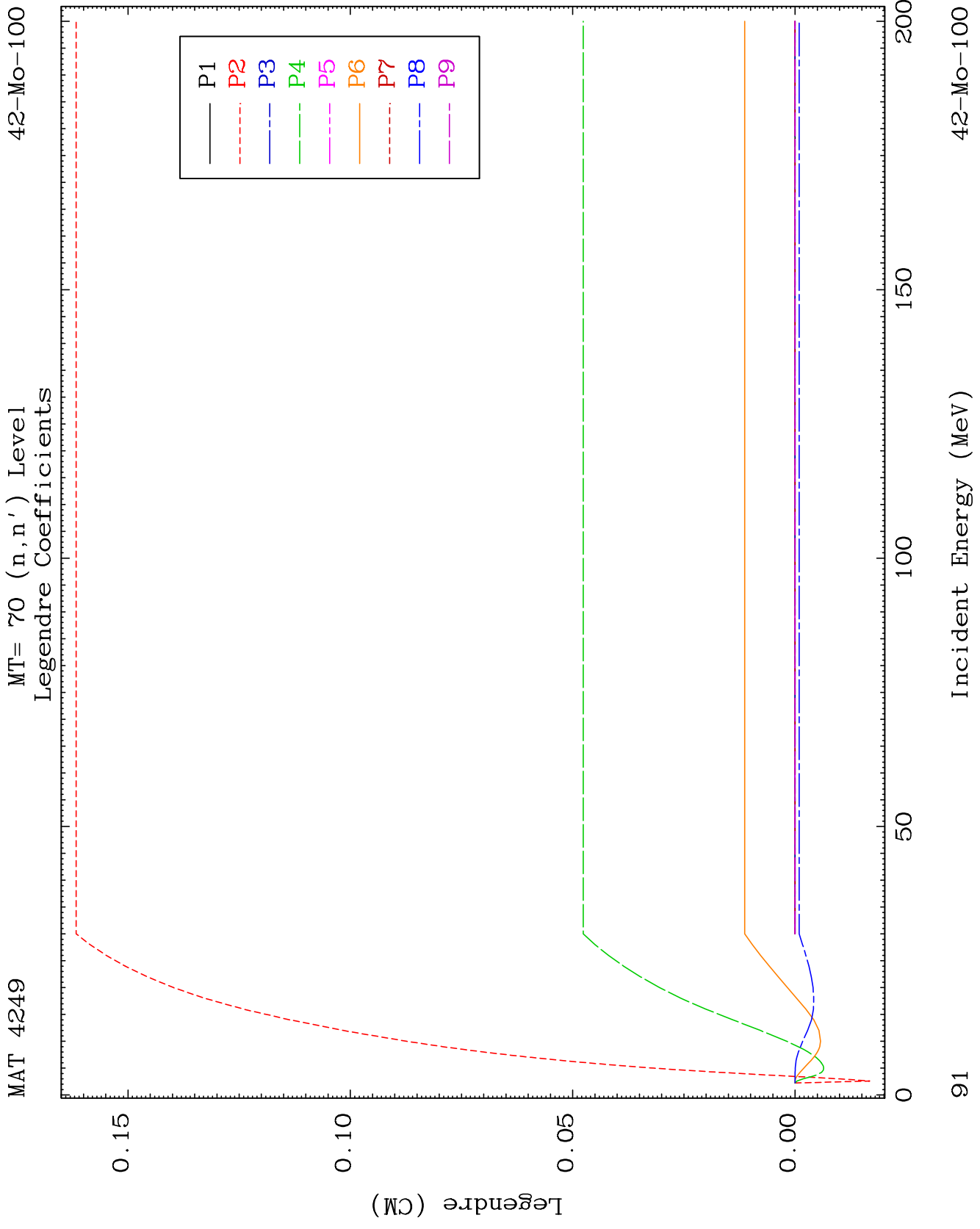


MAT 4249

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

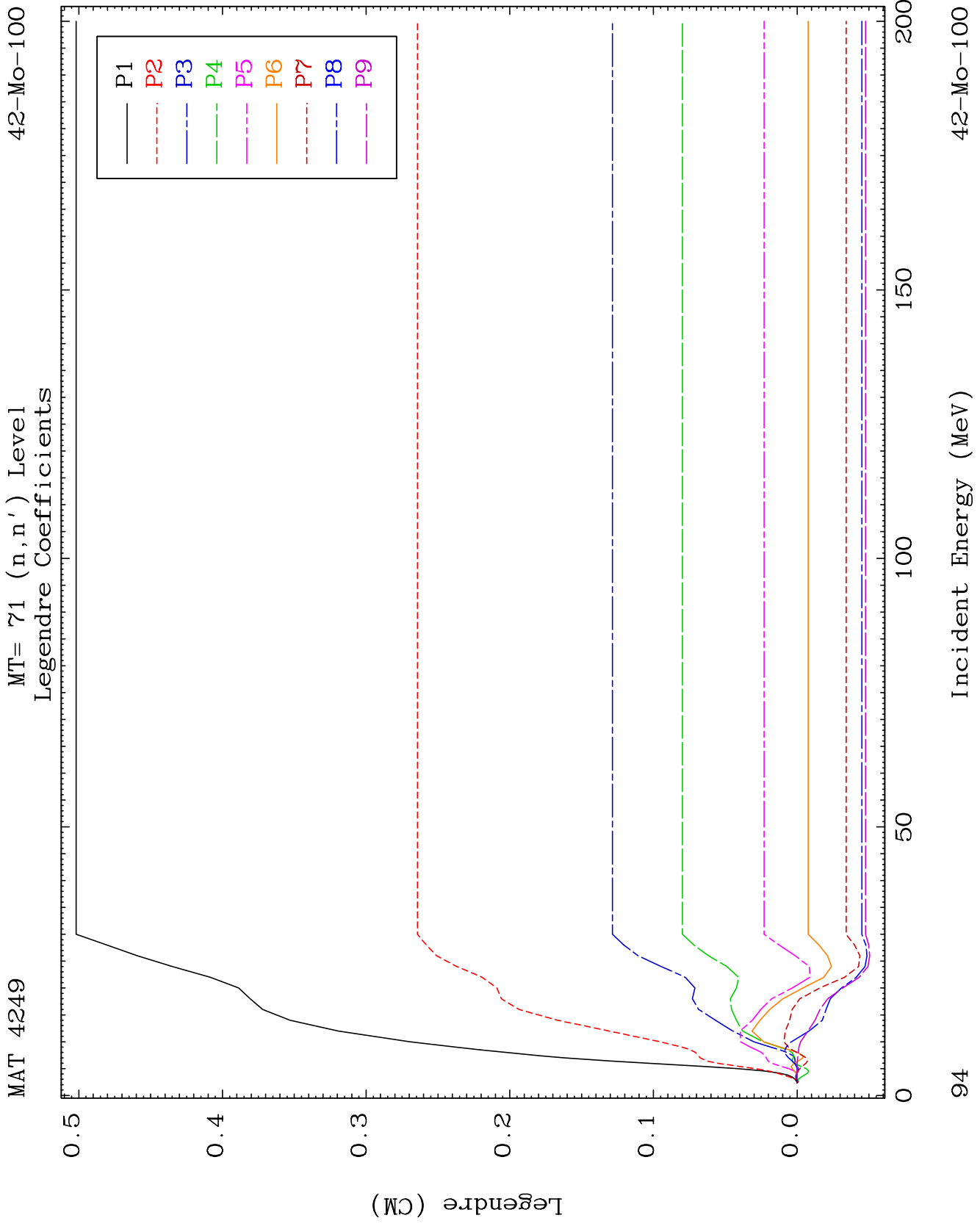
42-Mo-100







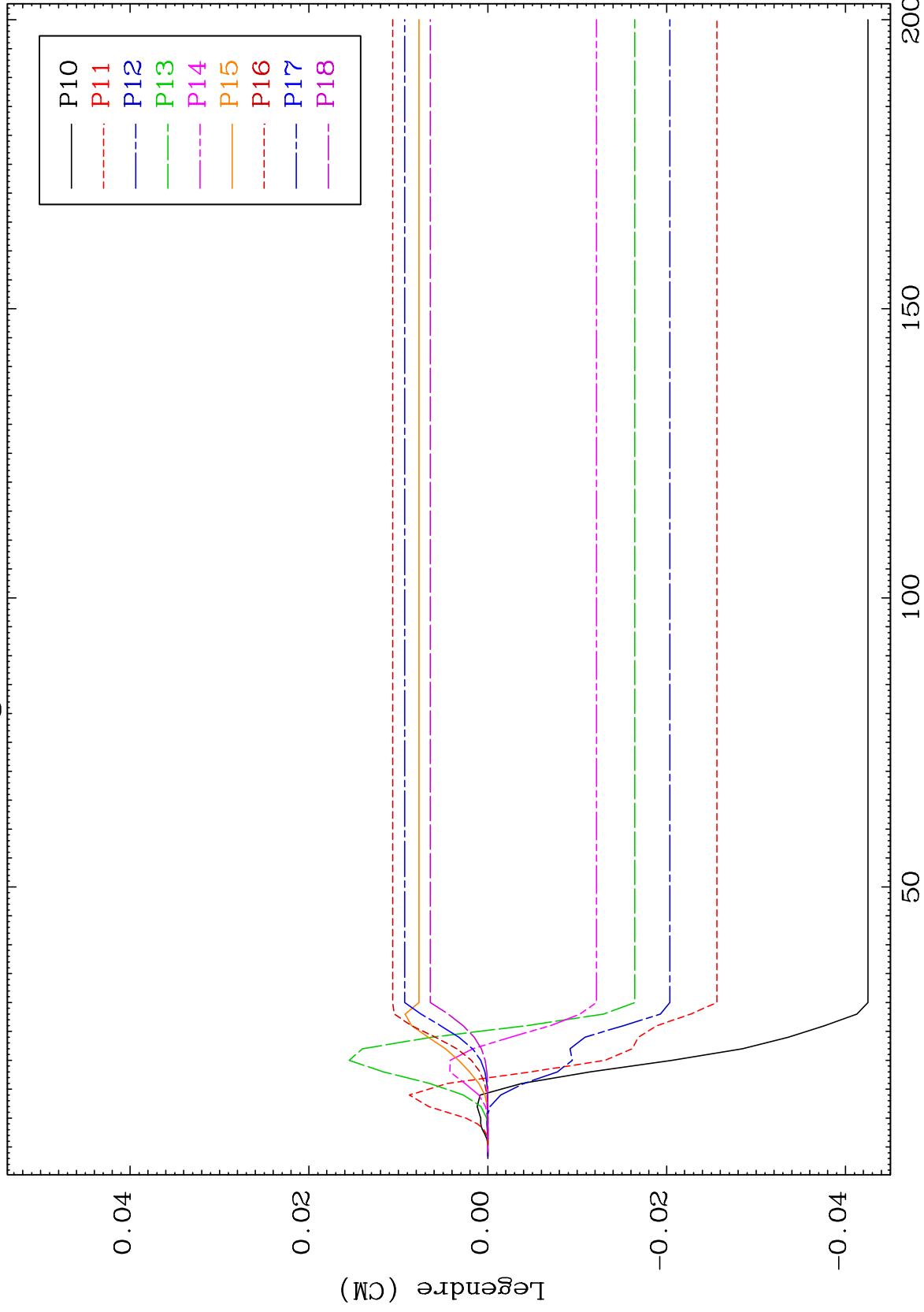




MAT 4249

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

42-Mo-100



95

Incident Energy (MeV)

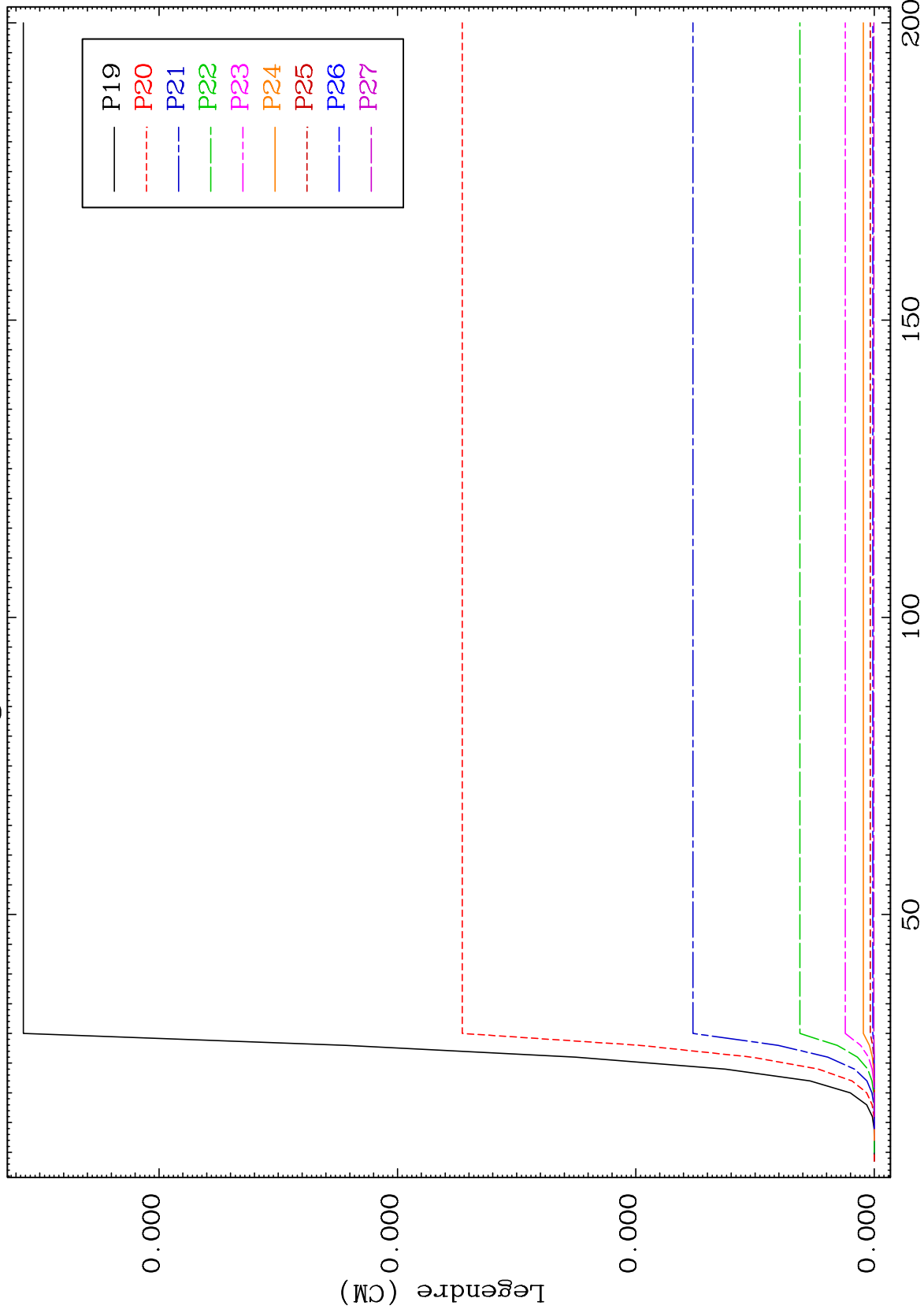
42-Mo-100



MAT 4249

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

42-Mo-100



96

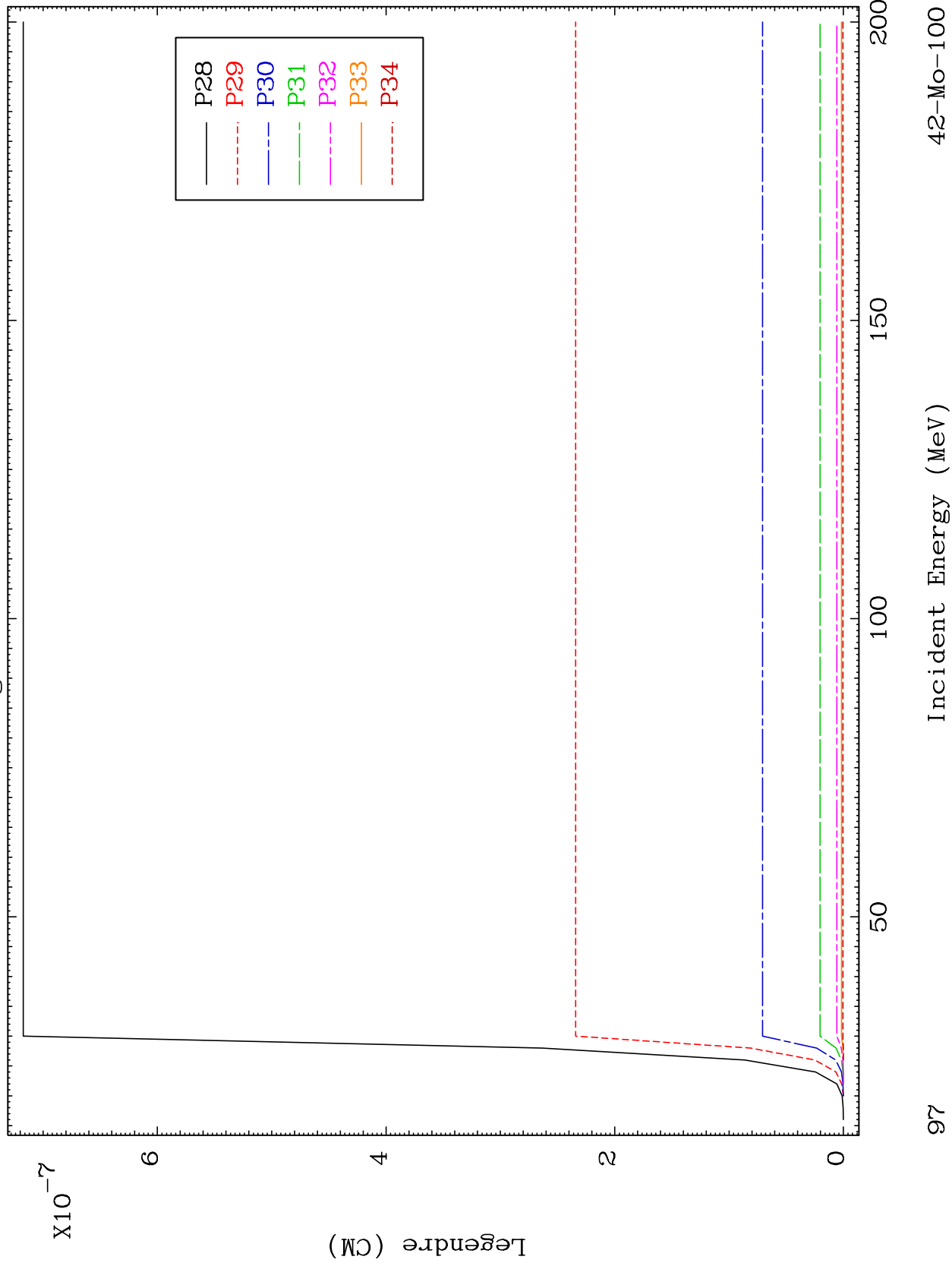
Incident Energy (MeV)

42-Mo-100

MAT 4249

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

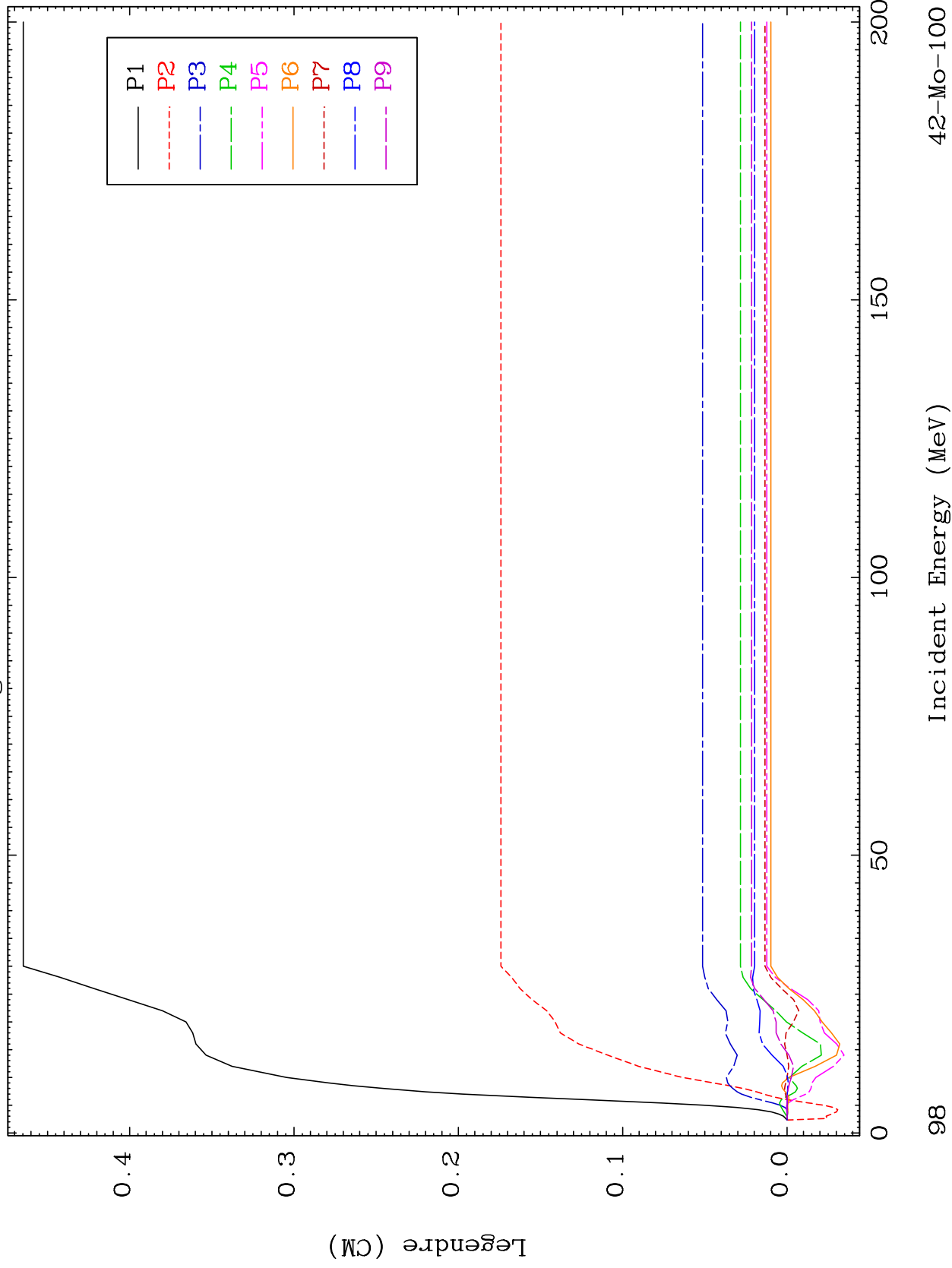
42-Mo-100



MAT 4249

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

42-Mo-100



98

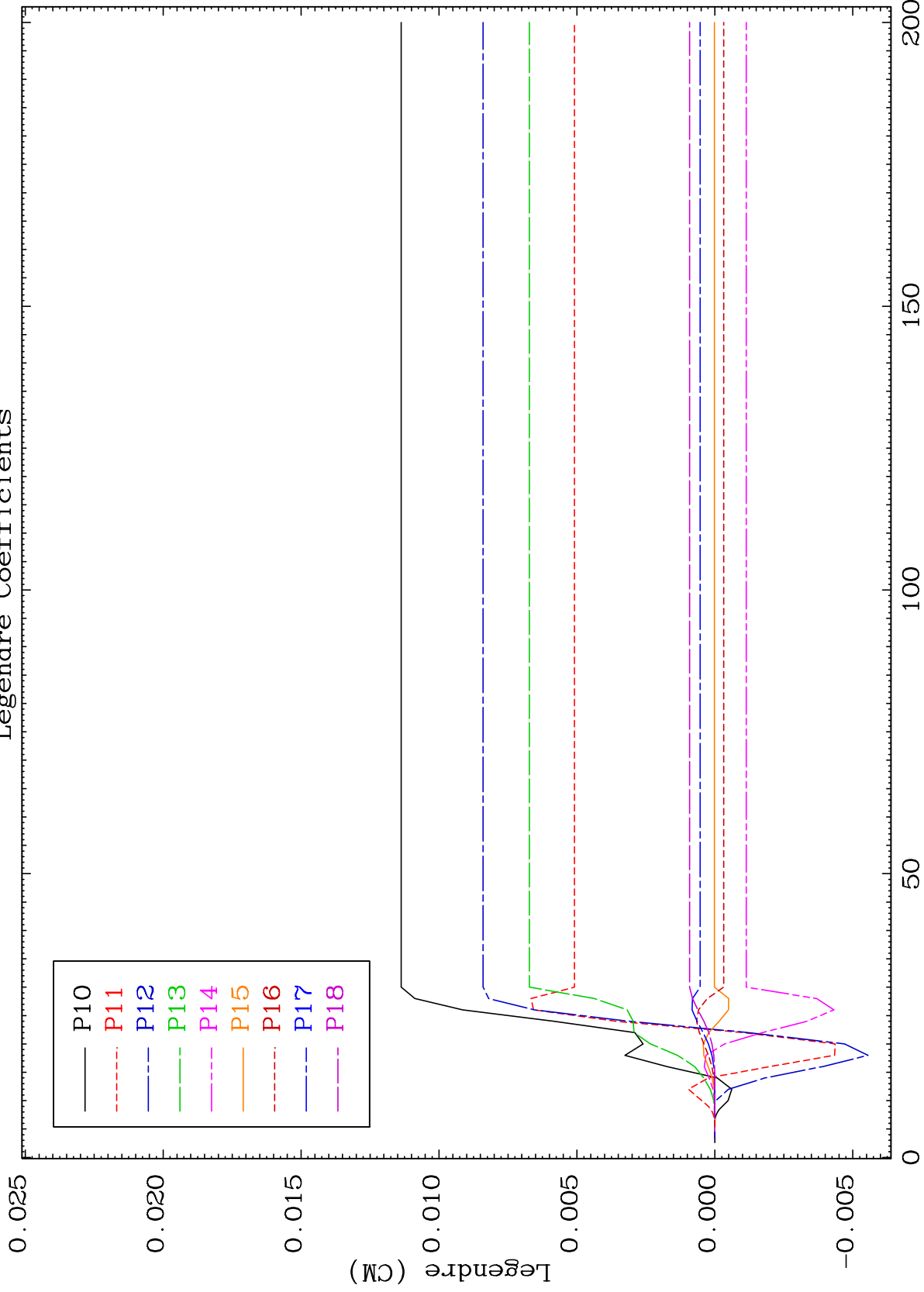
Incident Energy (MeV)

42-Mo-100

MAT 4249

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

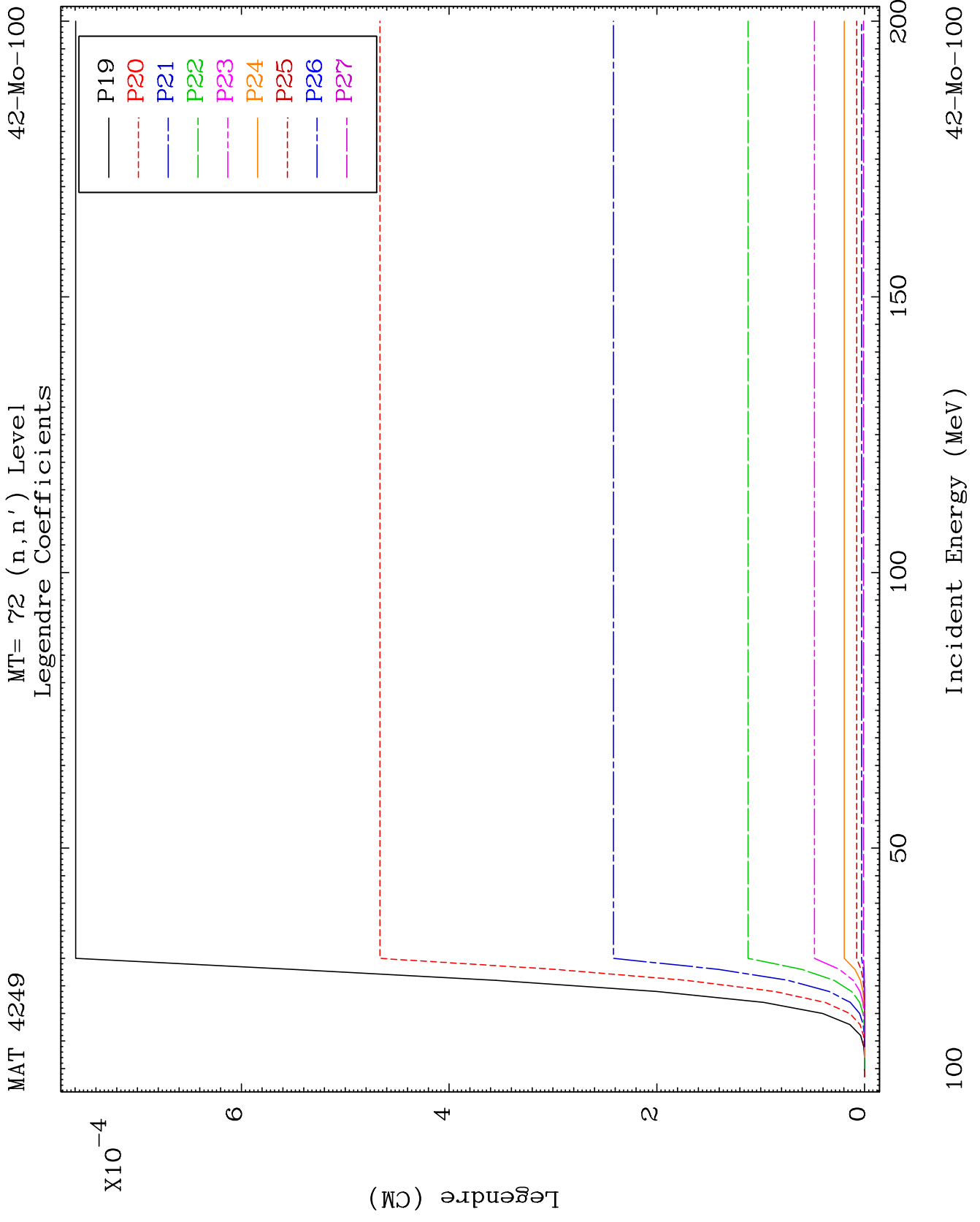
42-Mo-100



99

Incident Energy (MeV)

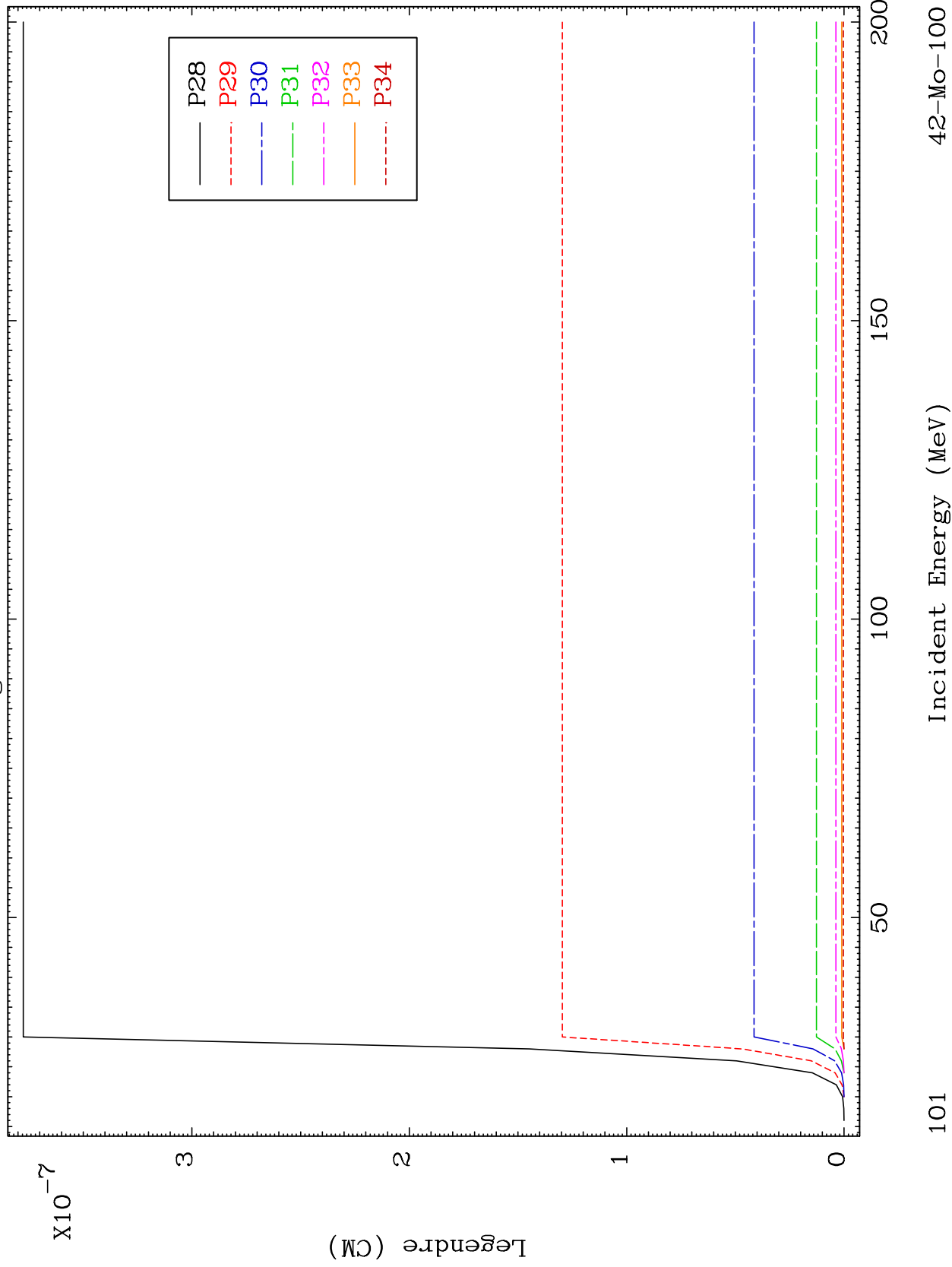
42-Mo-100



MAT 4249

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

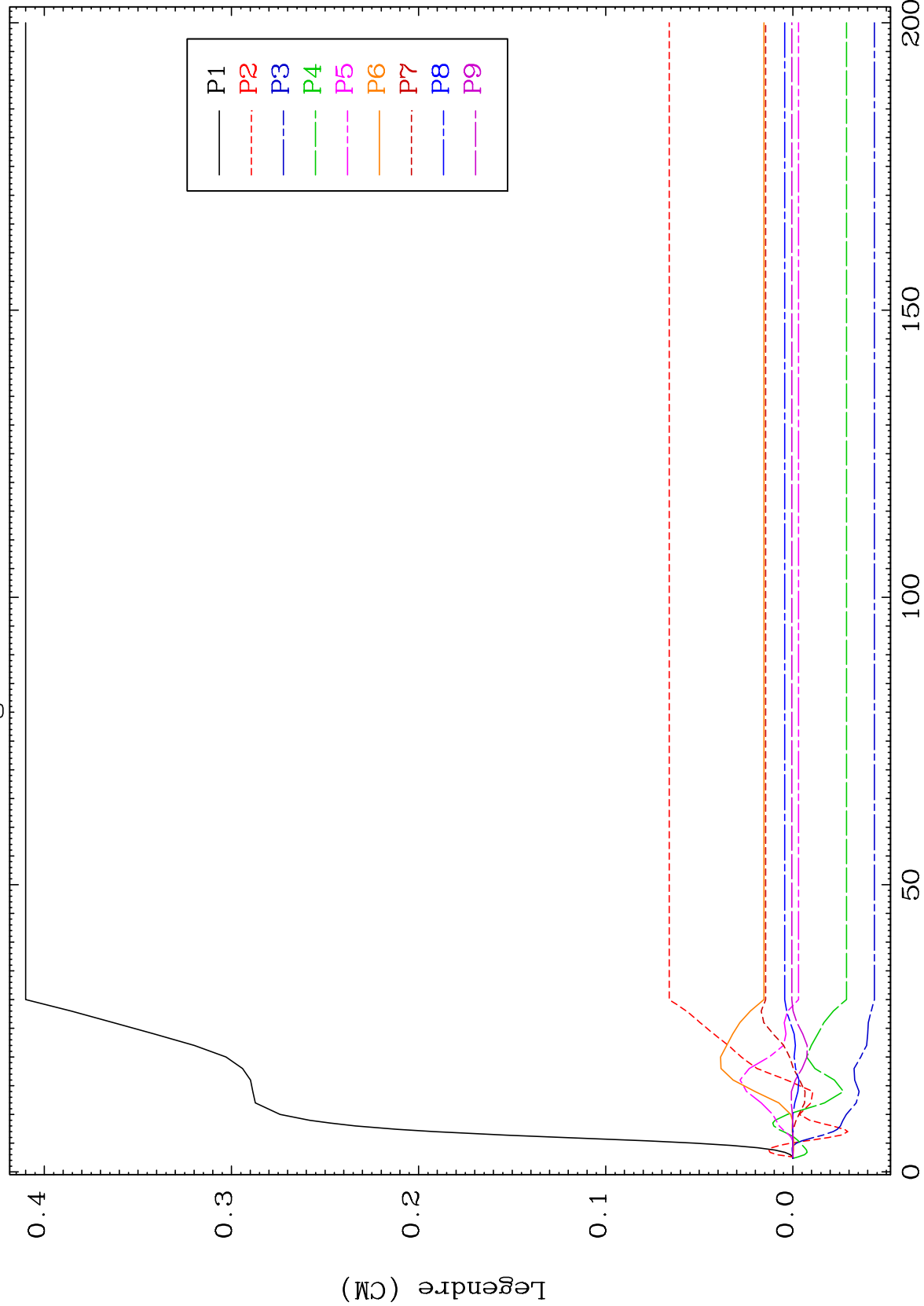
42-Mo-100



MAT 4249

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

42-Mo-100



102

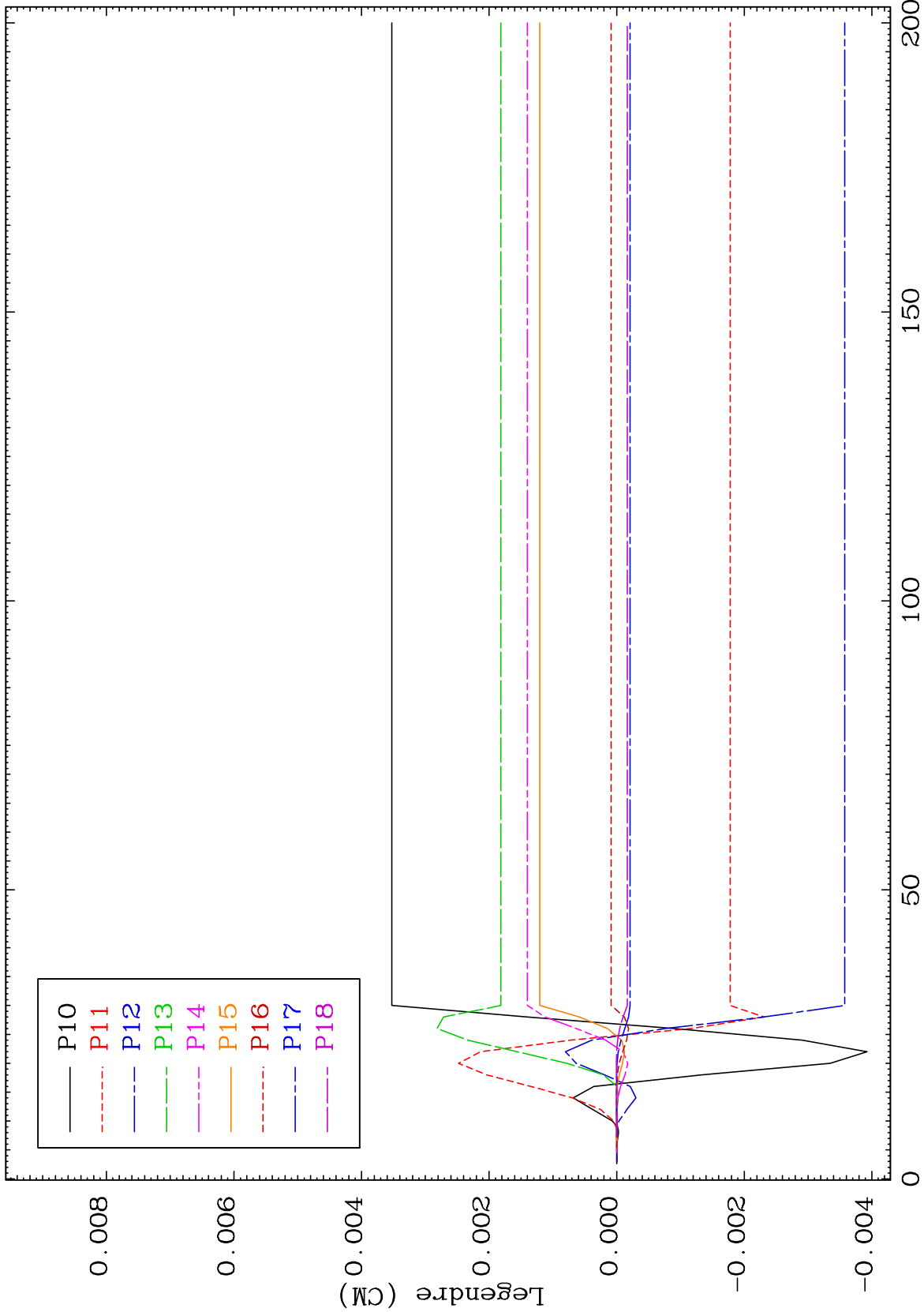
Incident Energy (MeV)

42-Mo-100

MAT 4249

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

42-Mo-100

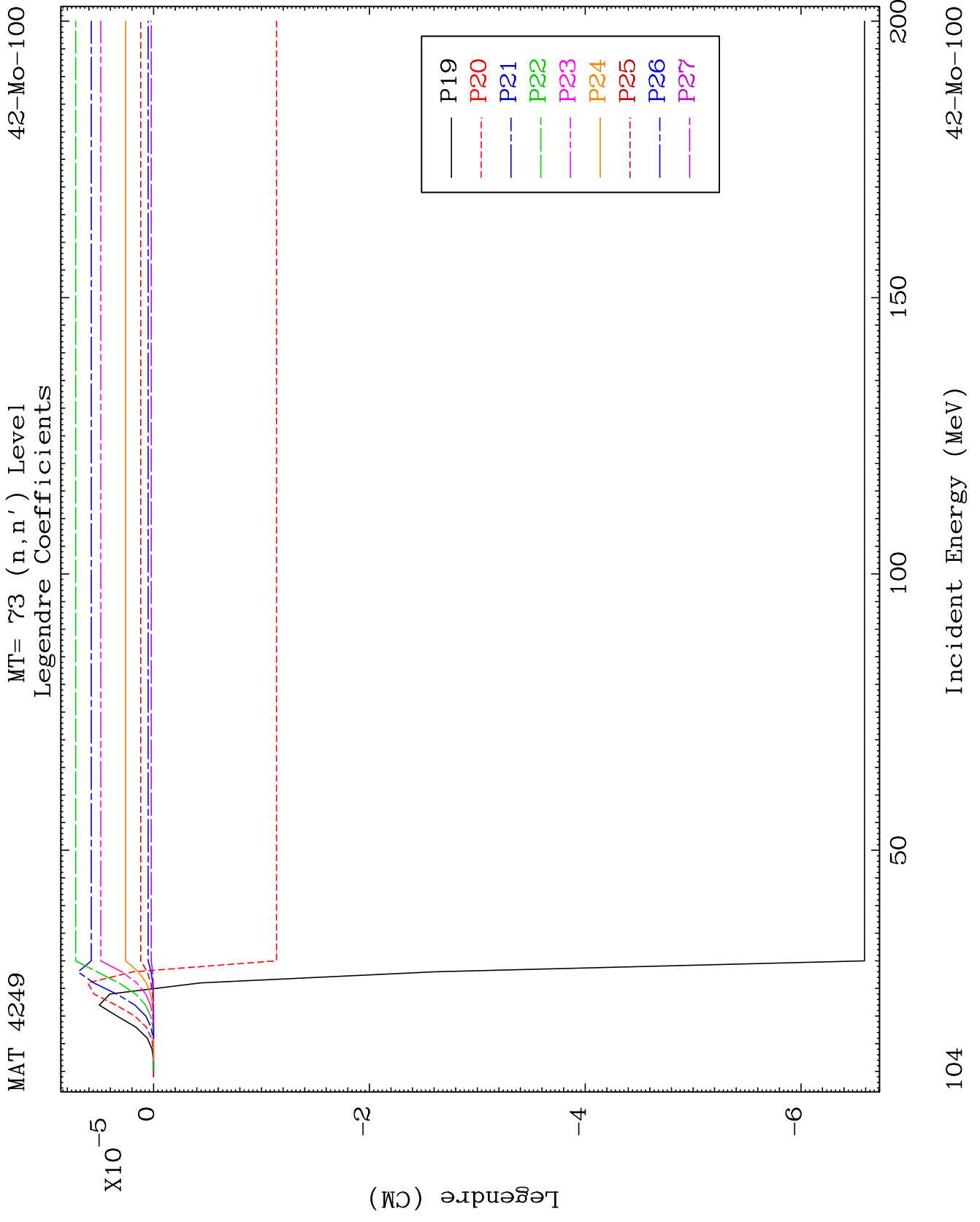


103

Incident Energy (MeV)

42-Mo-100

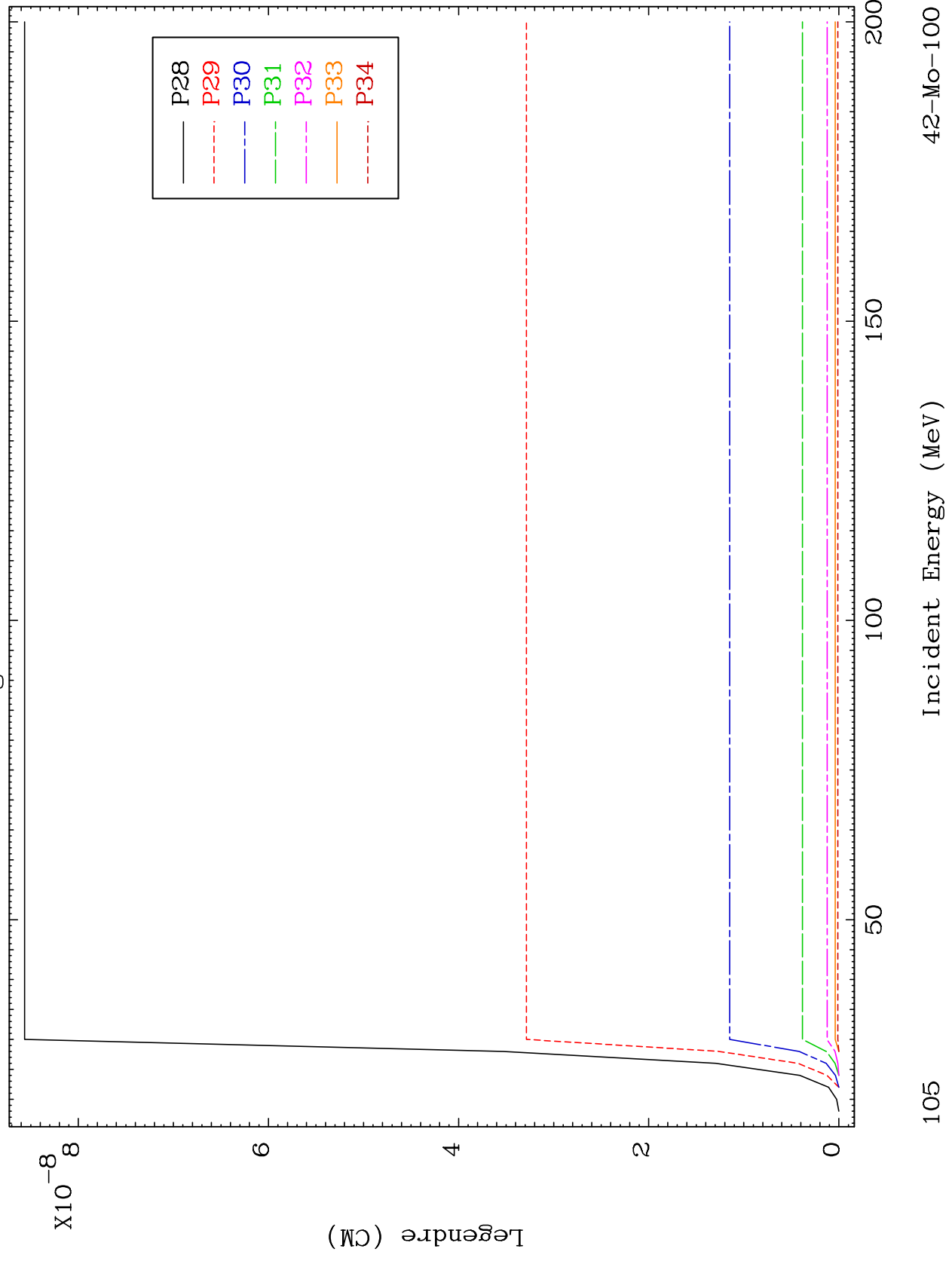




MAT 4249

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

42-Mo-100

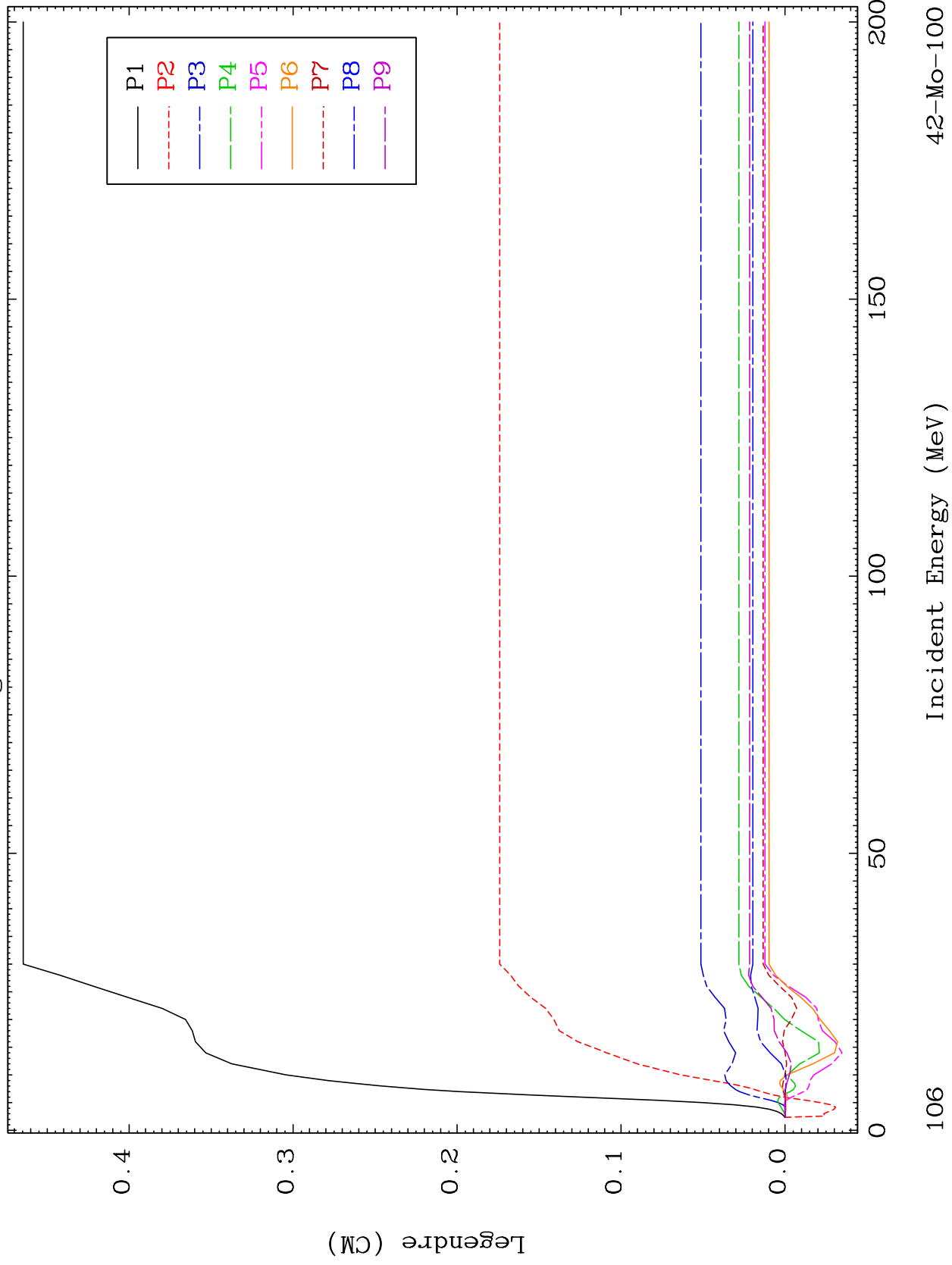


42-Mo-100

MAT 4249

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

42-Mo-100

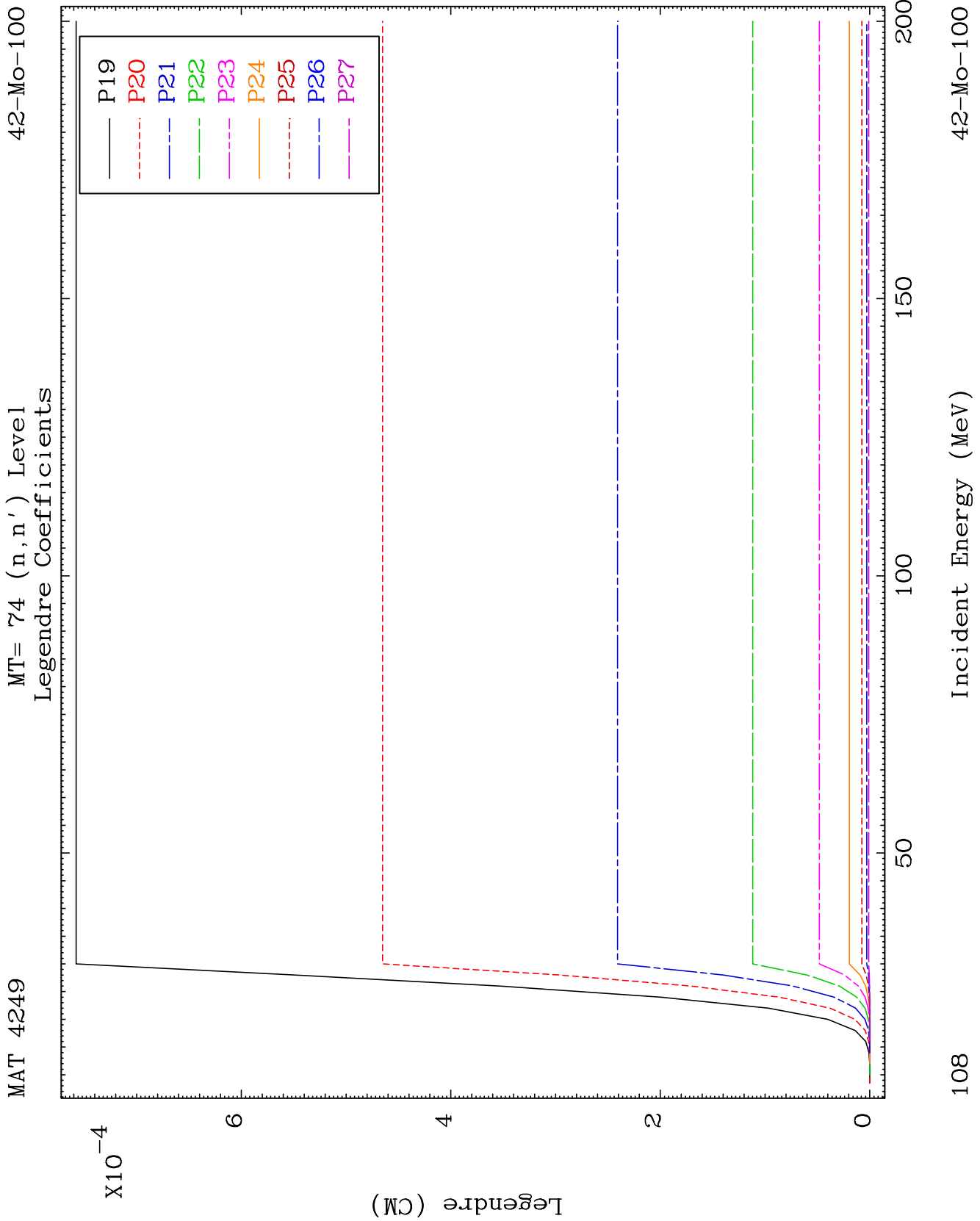


106

Incident Energy (MeV)

42-Mo-100

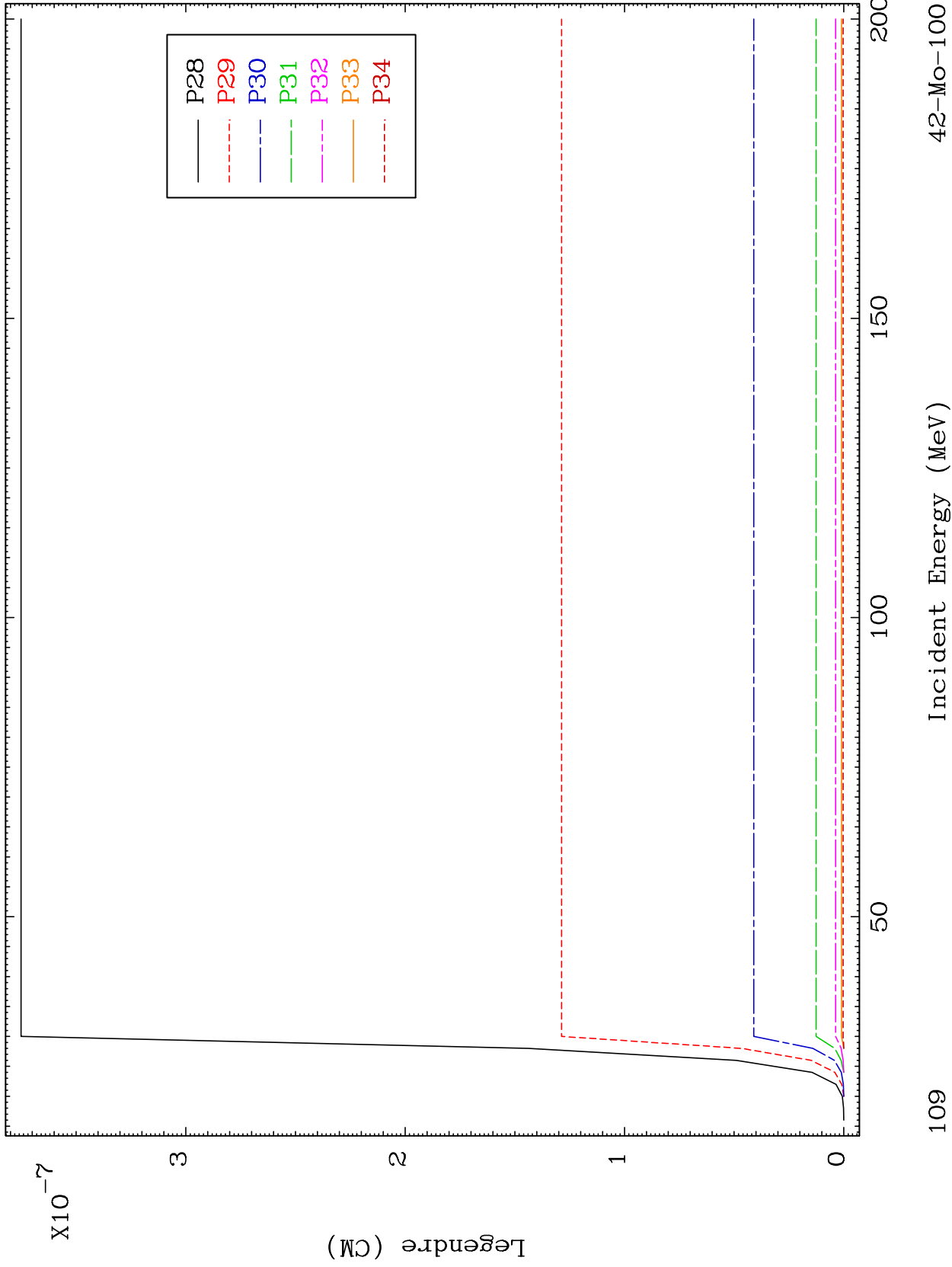




MAT 4249

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

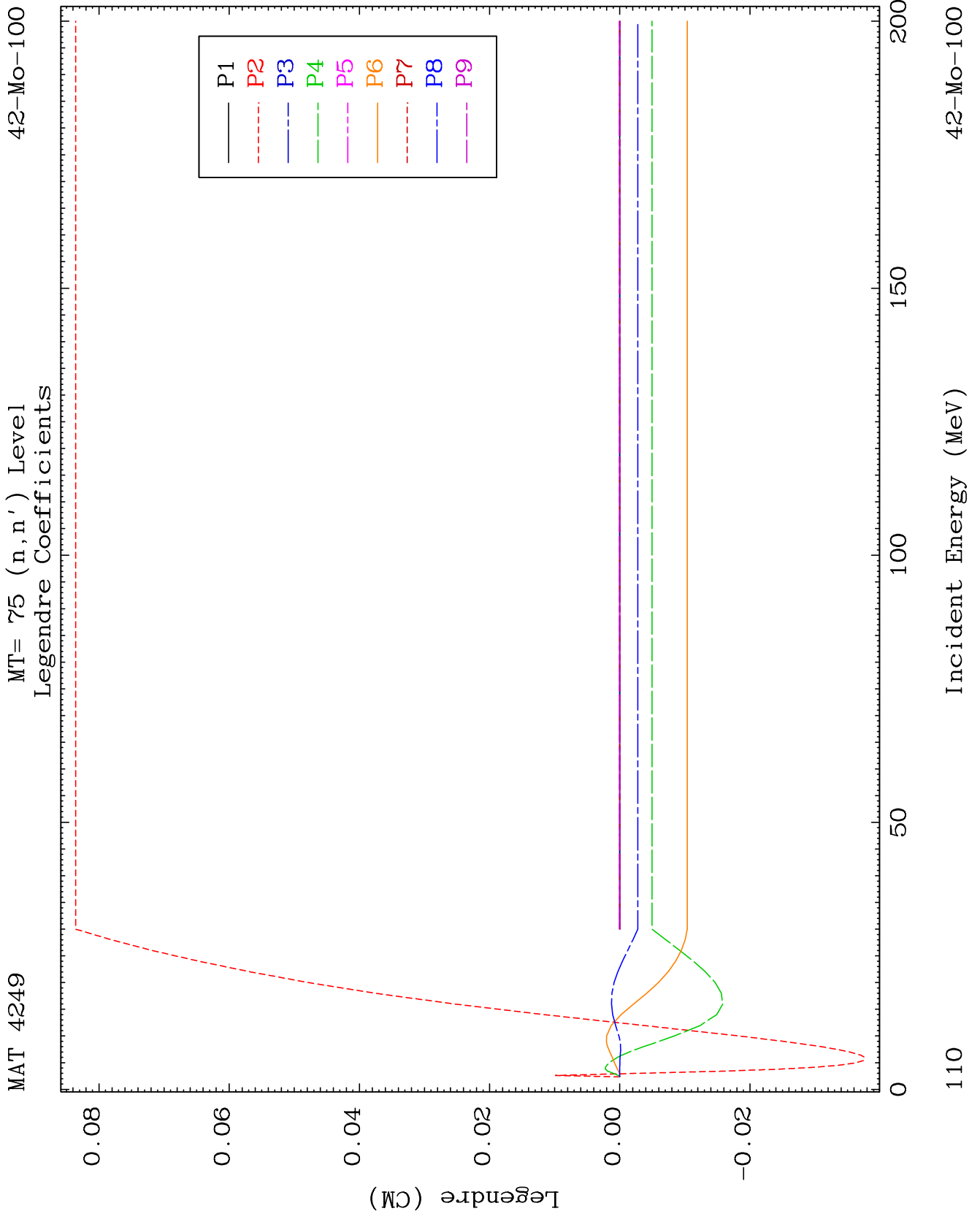
42-Mo-100

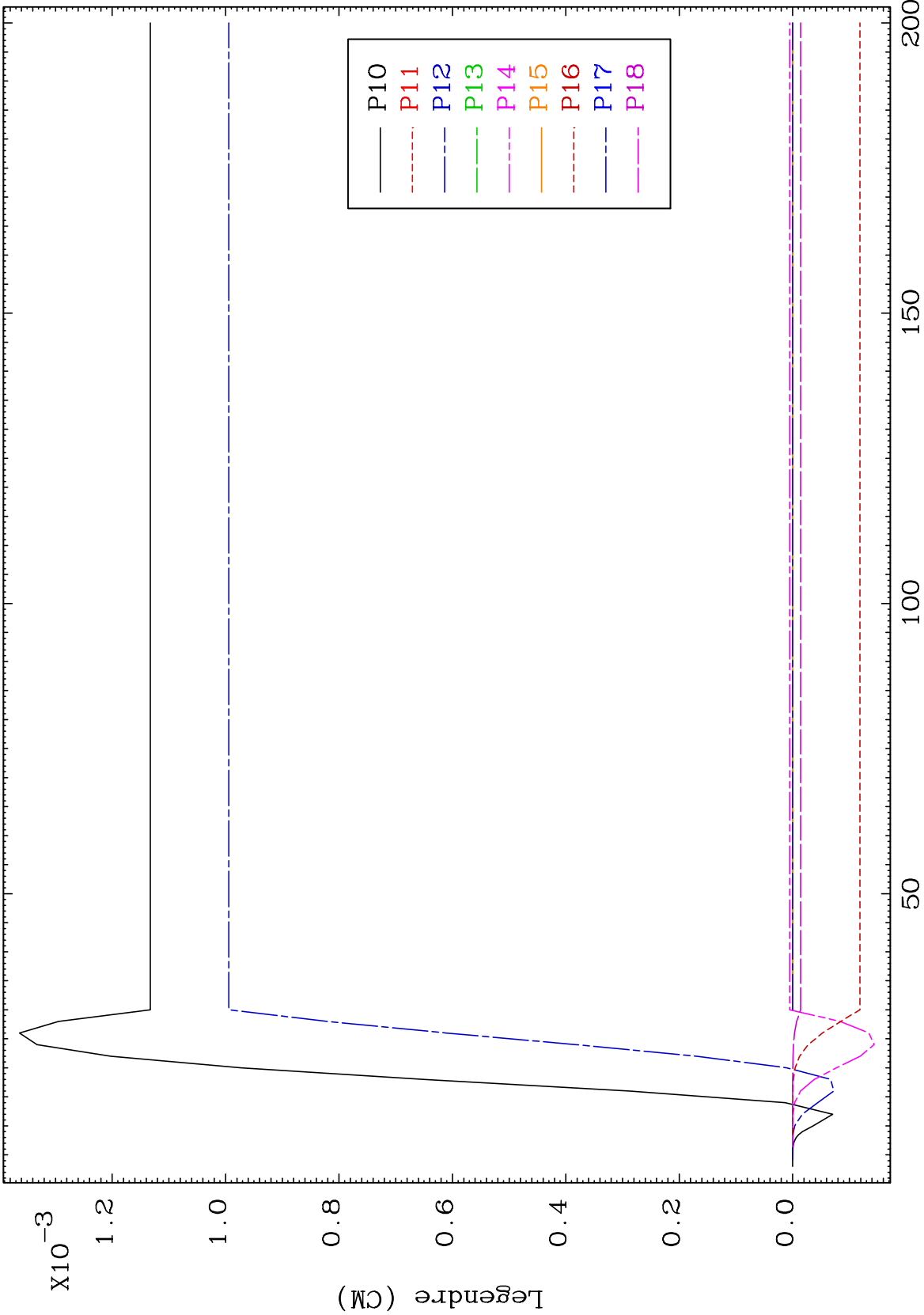


109

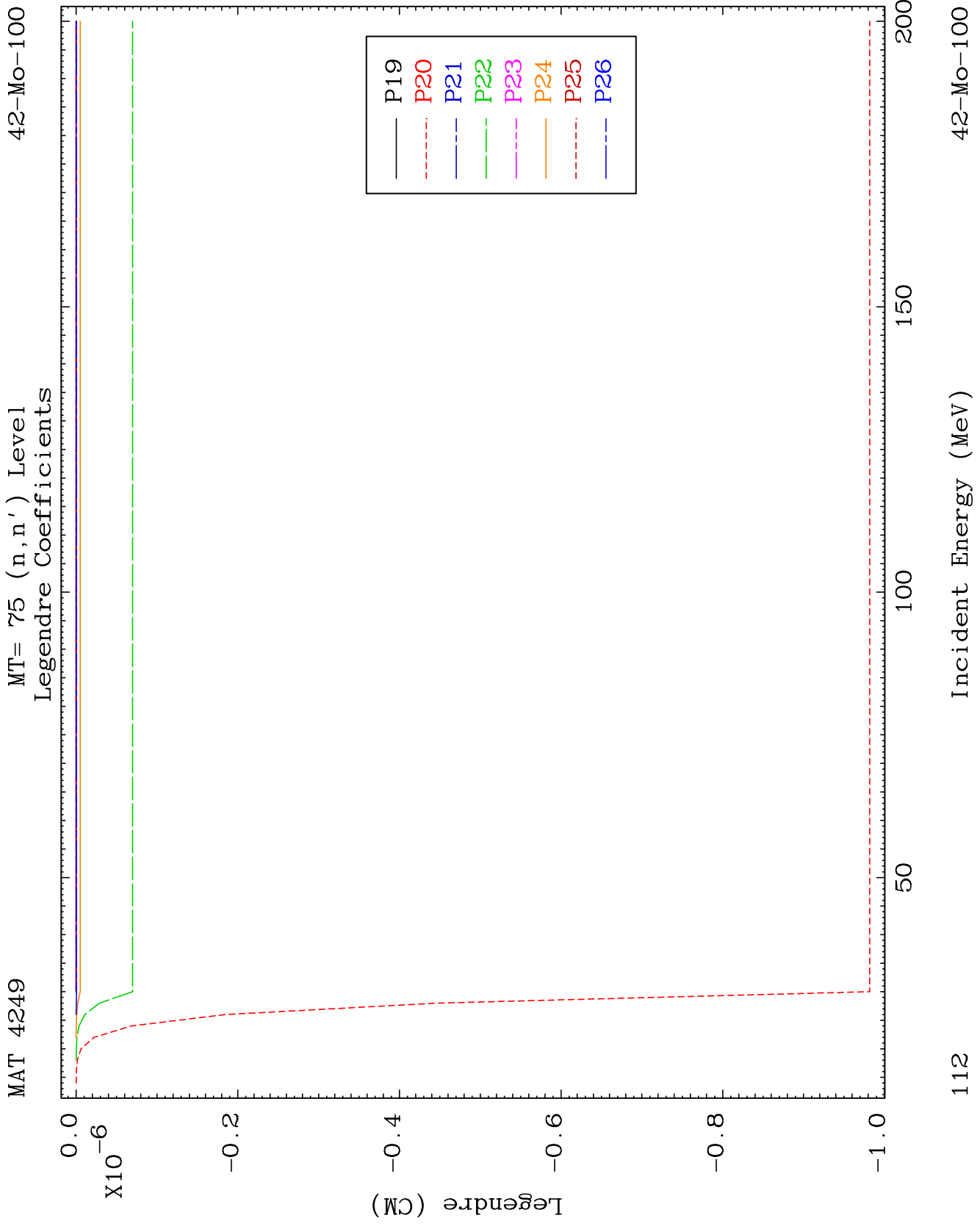
Incident Energy (MeV)

42-Mo-100





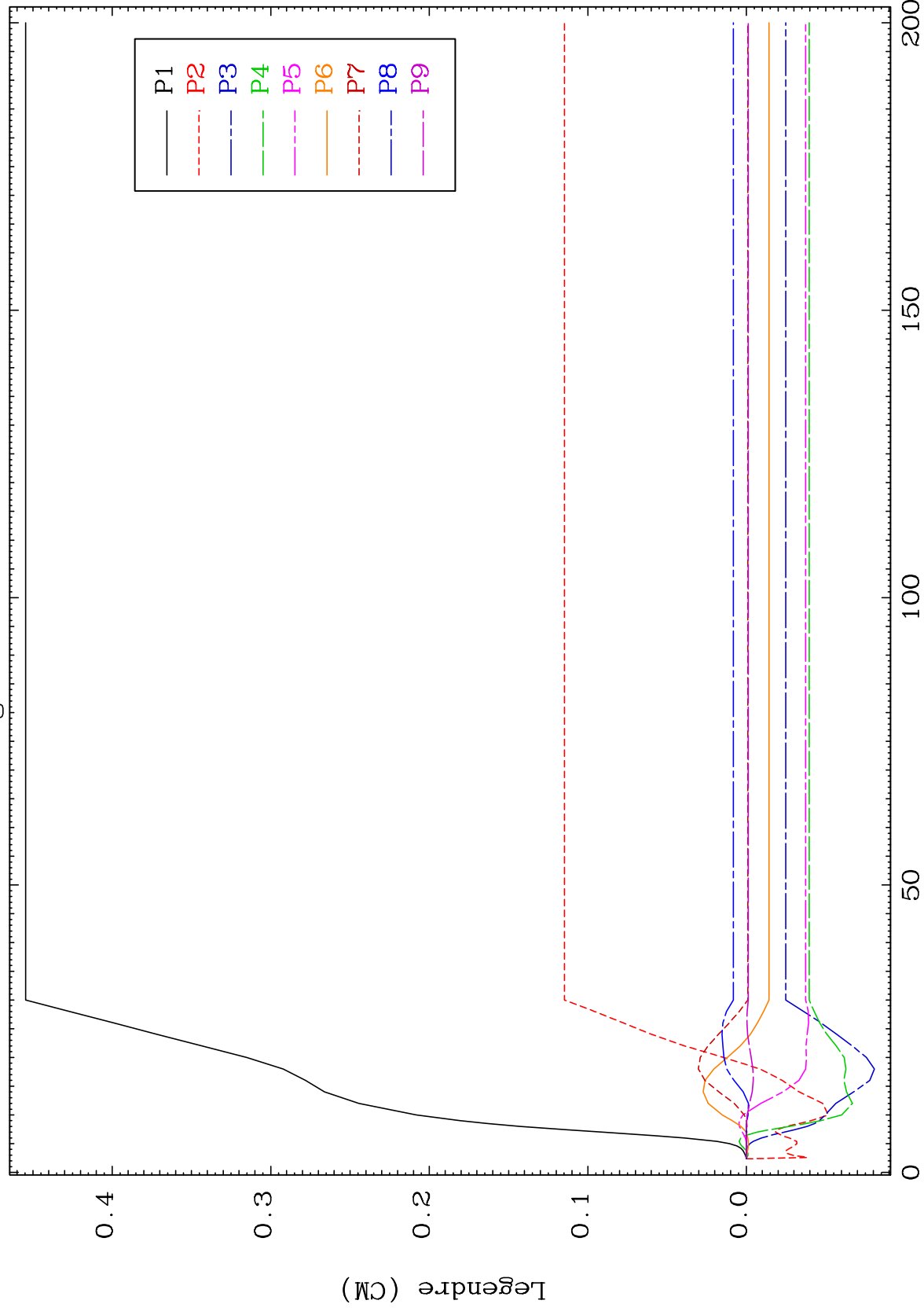




MAT 4249

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

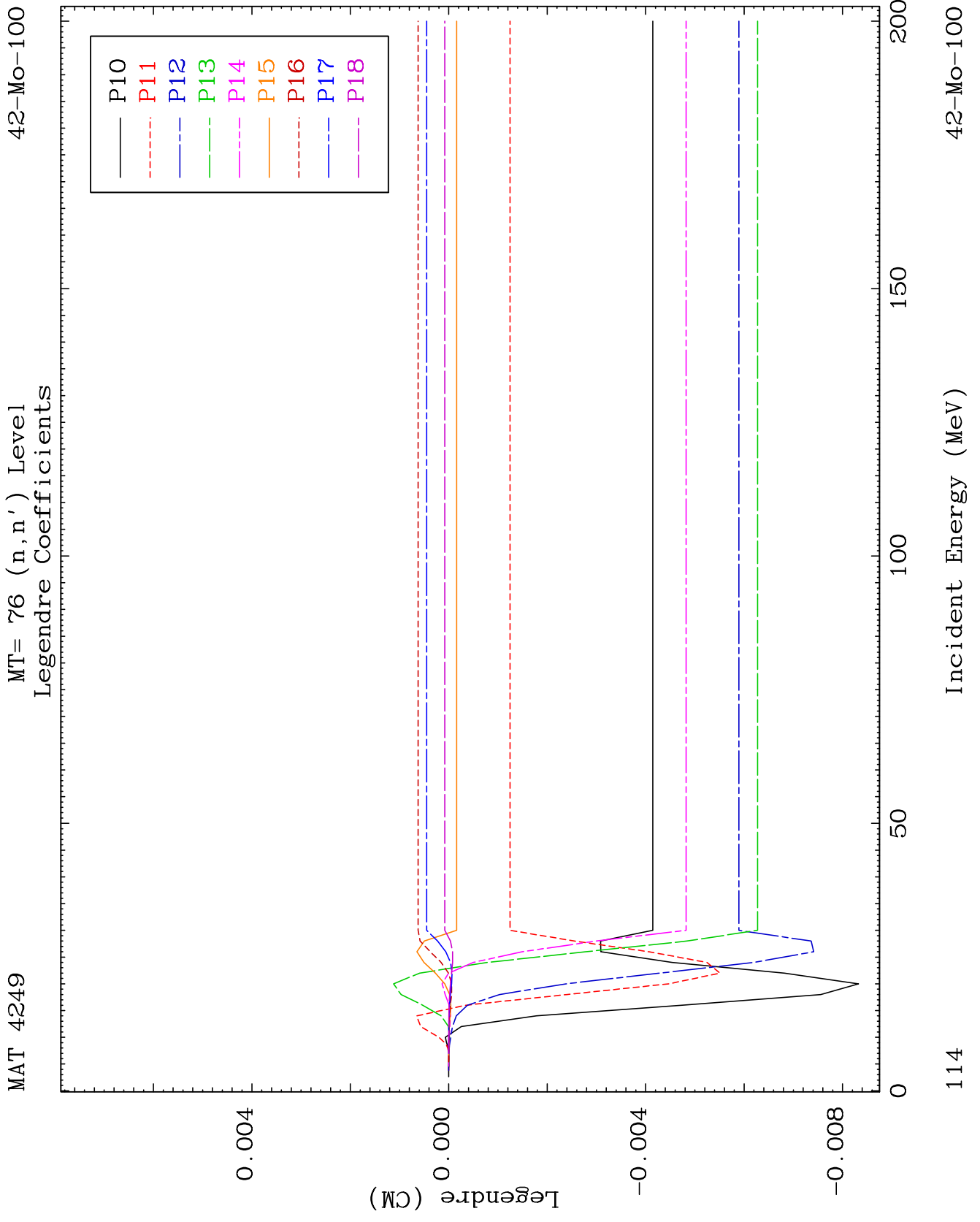
42-Mo-100

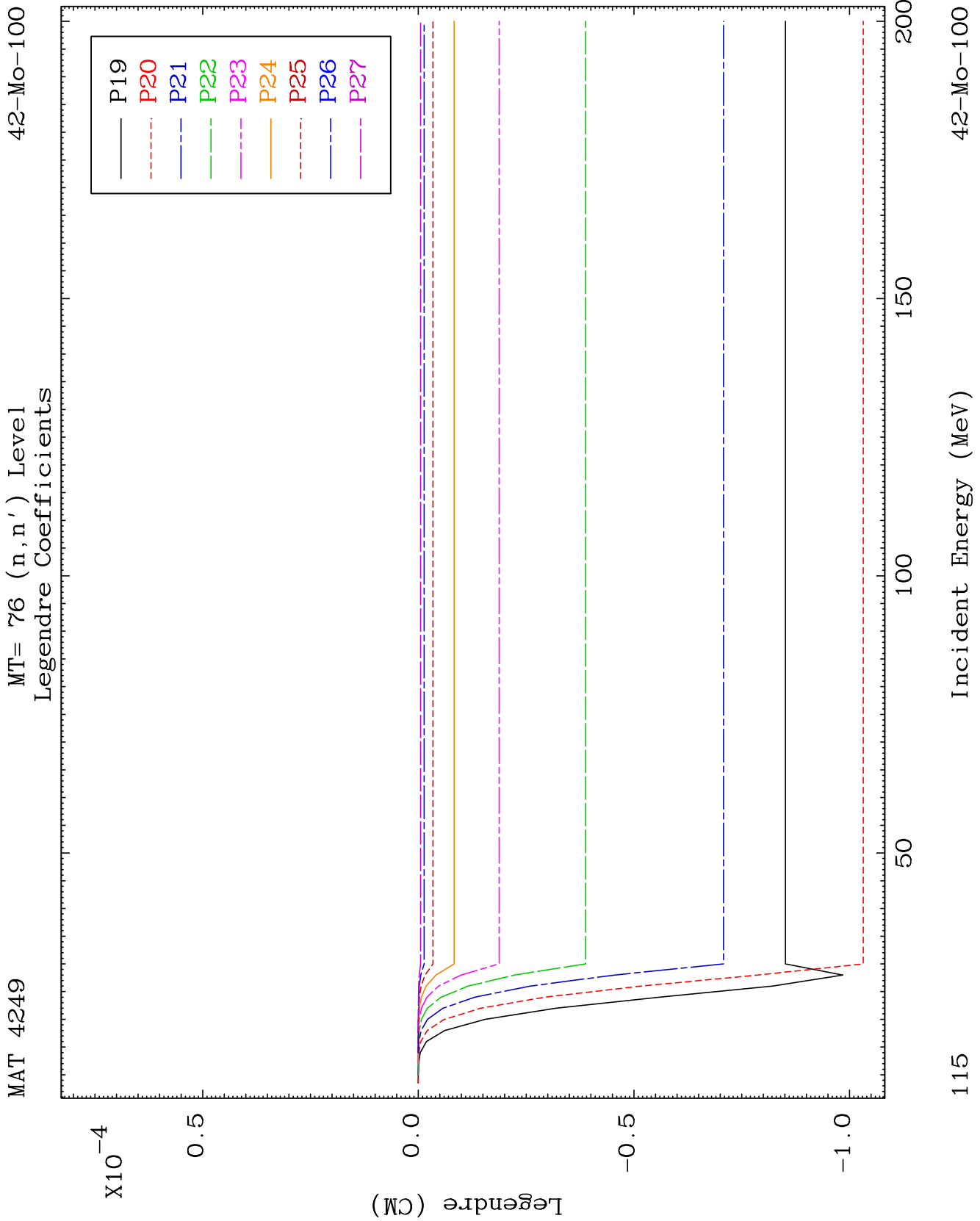


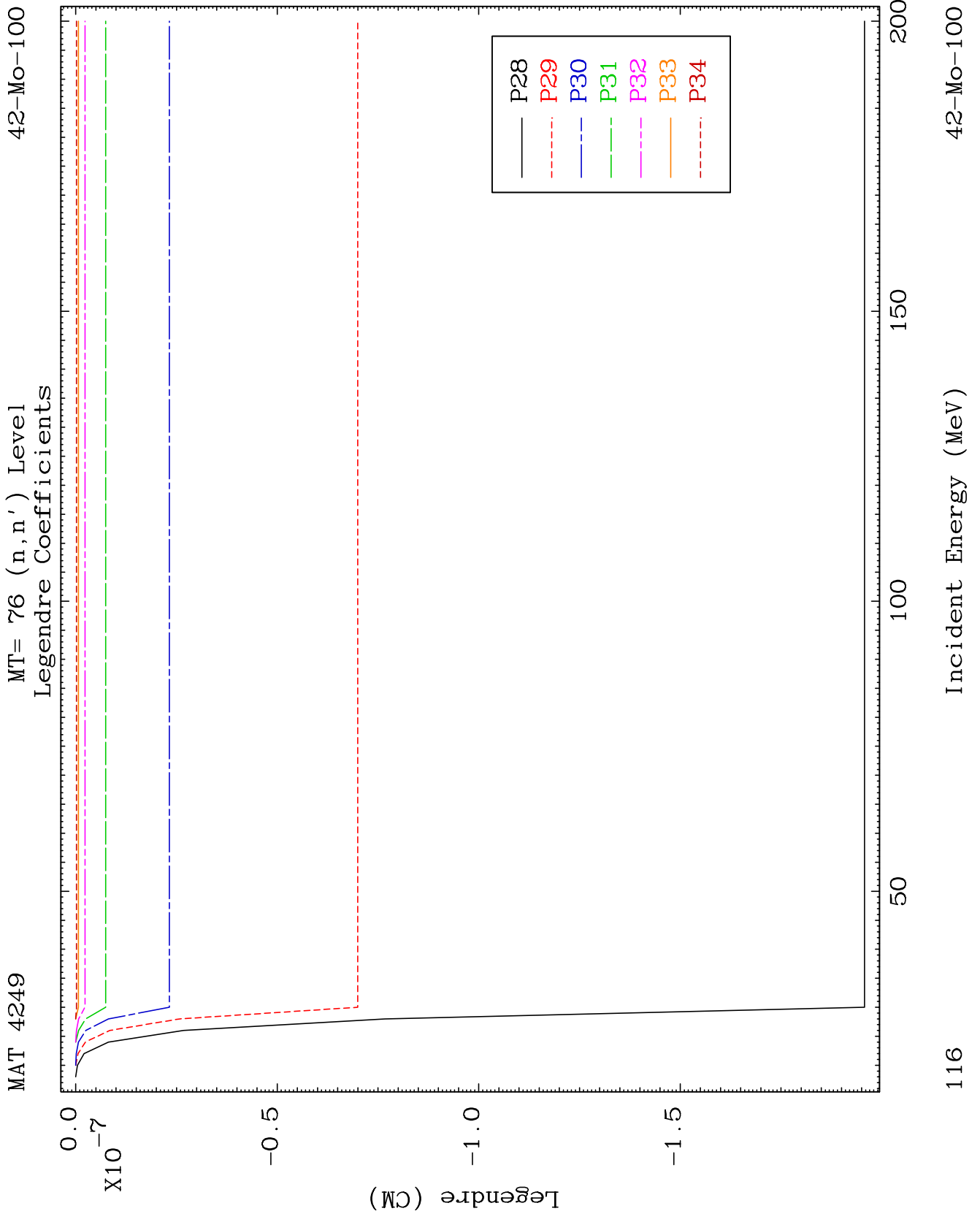
113

Incident Energy (MeV)

42-Mo-100



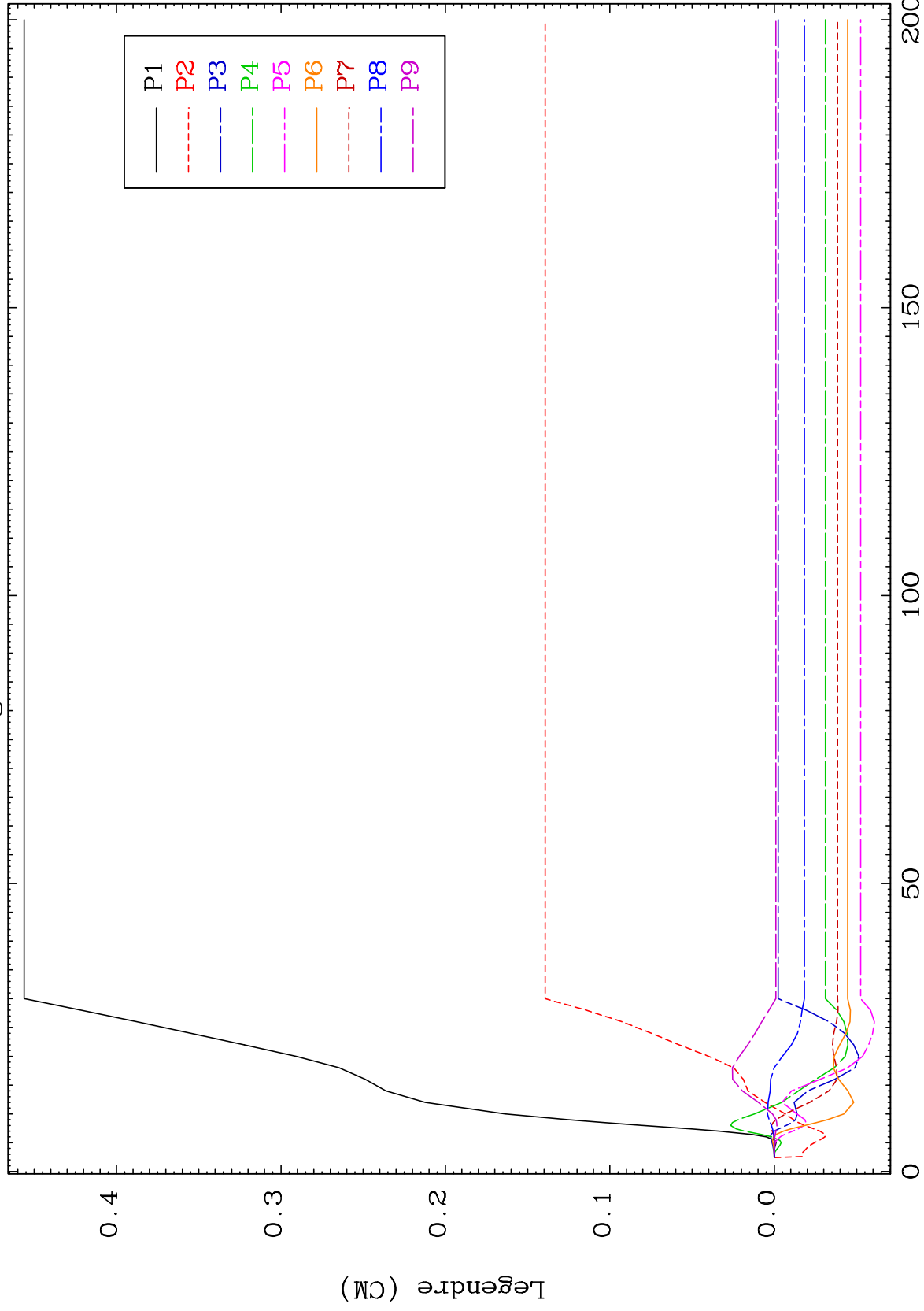




MAT 4249

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

42-Mo-100



117

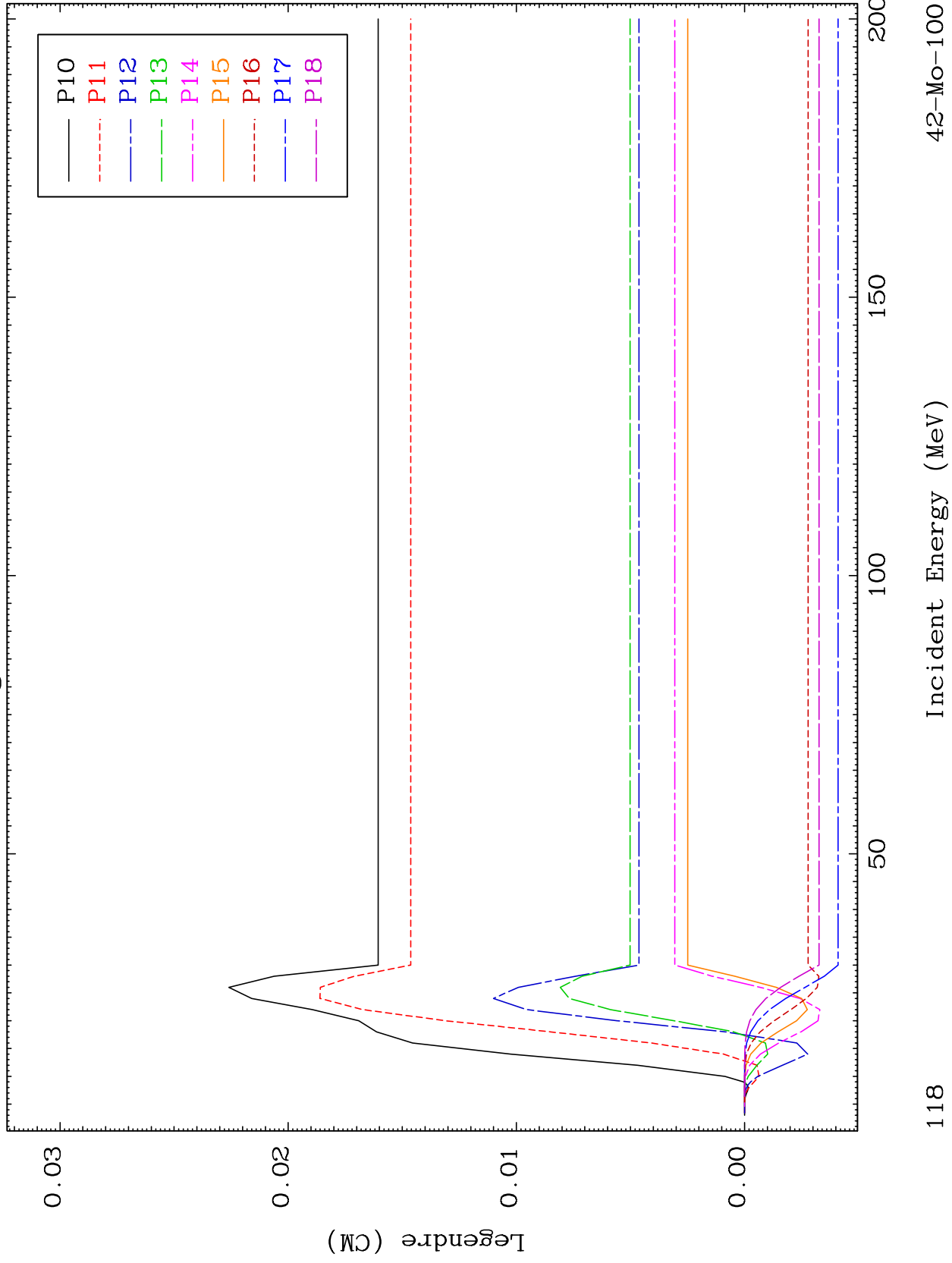
Incident Energy (MeV)

42-Mo-100

MAT 4249

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

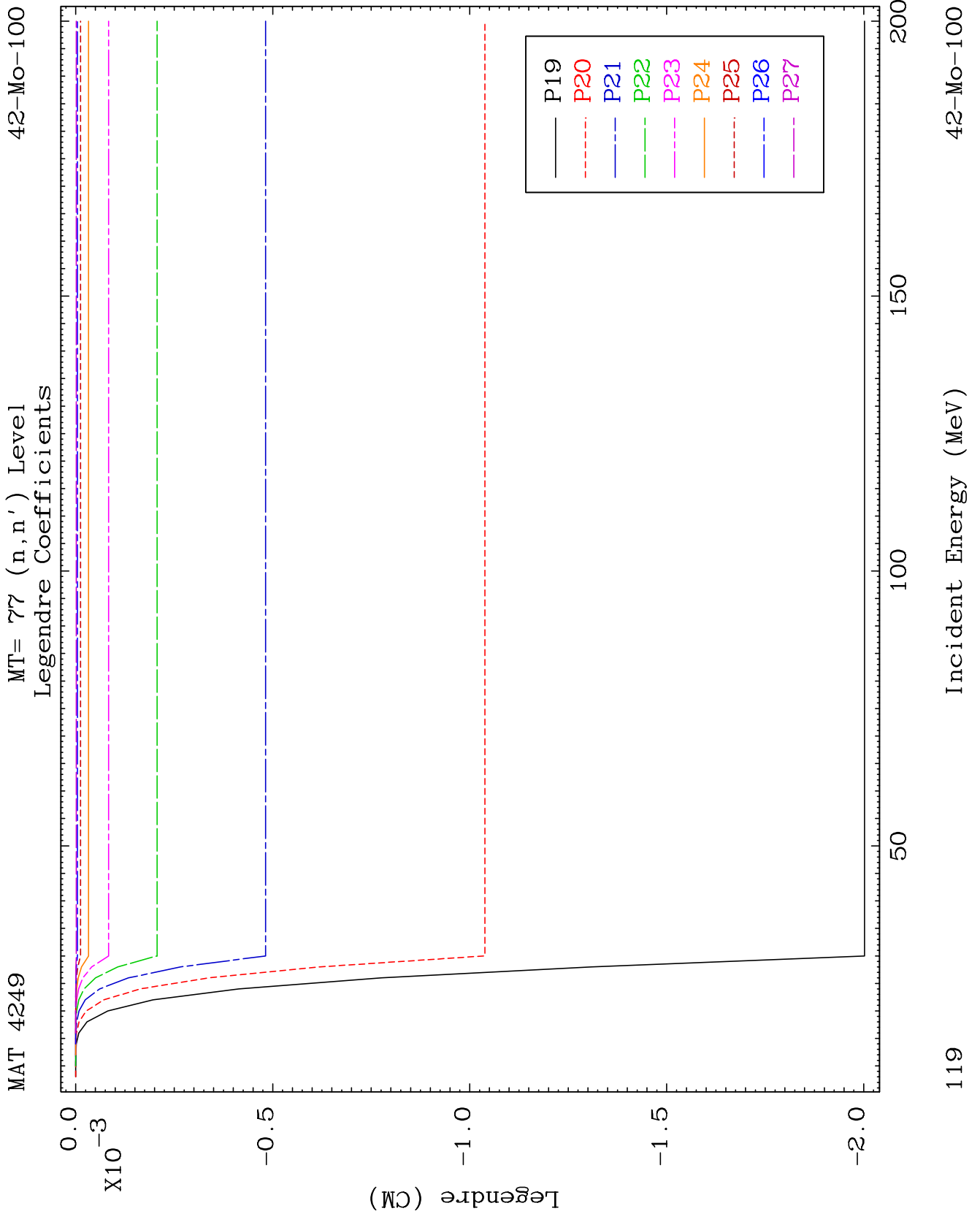
42-Mo-100



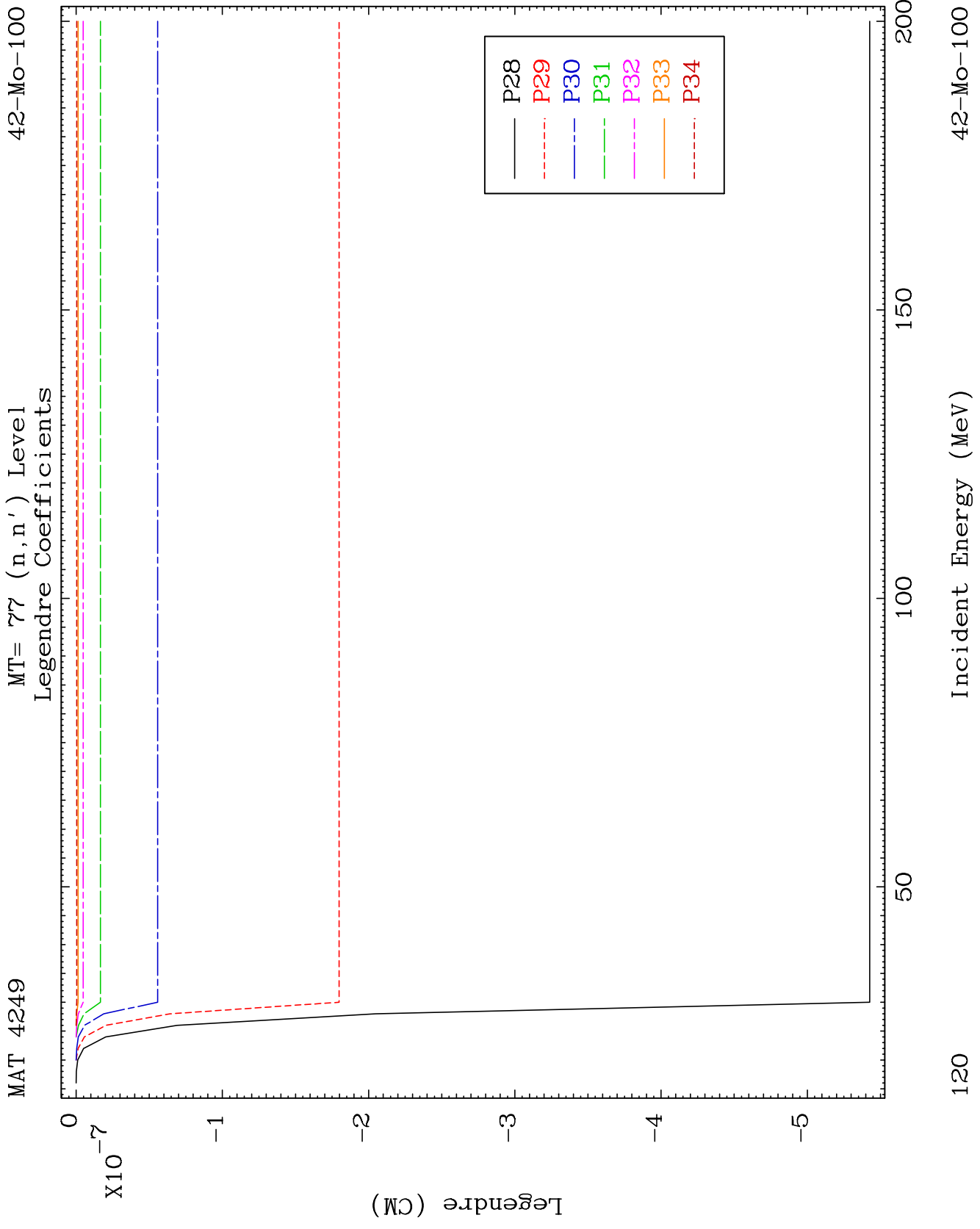
118

Incident Energy (MeV)

42-Mo-100



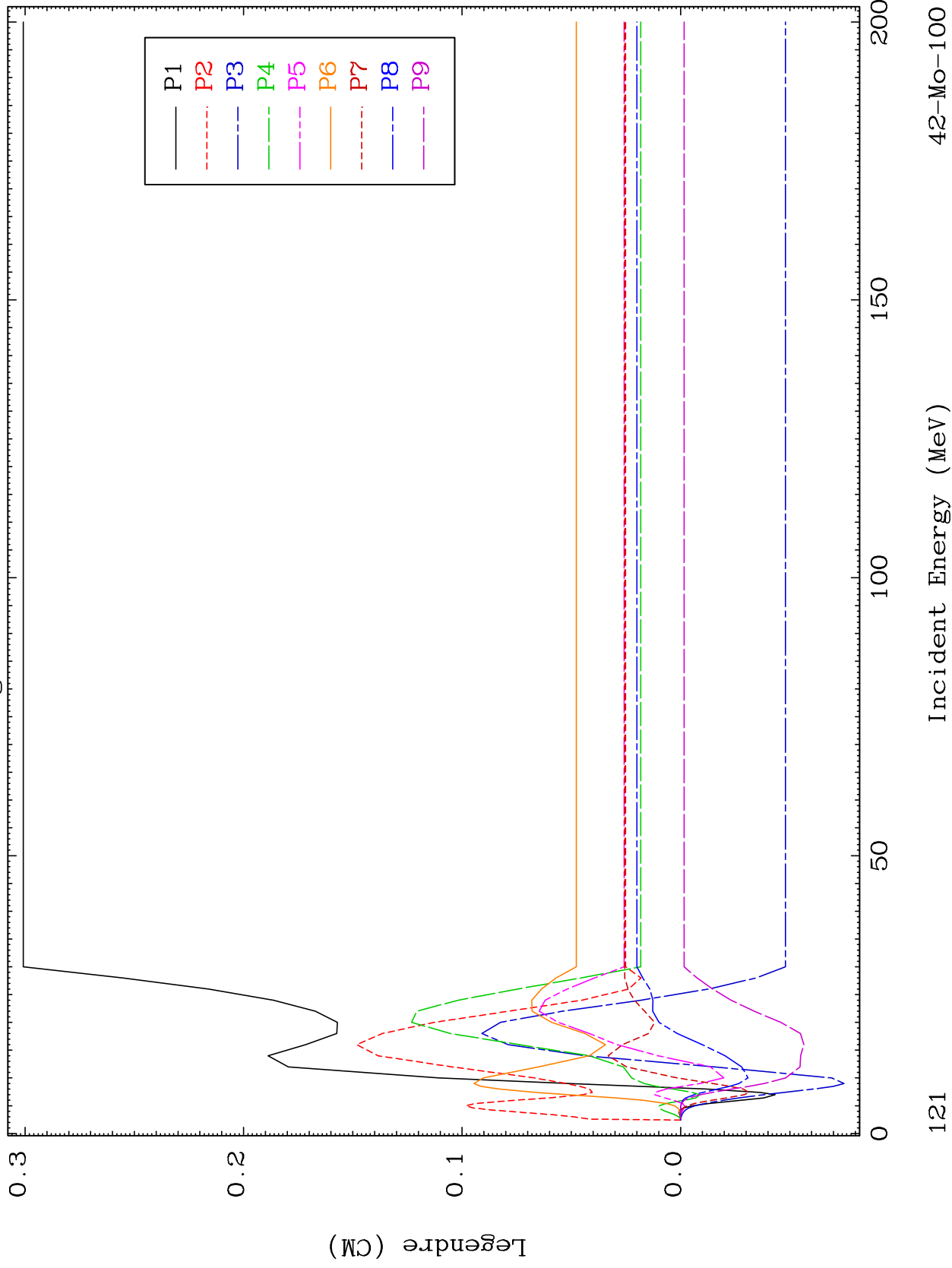




MAT 4249

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

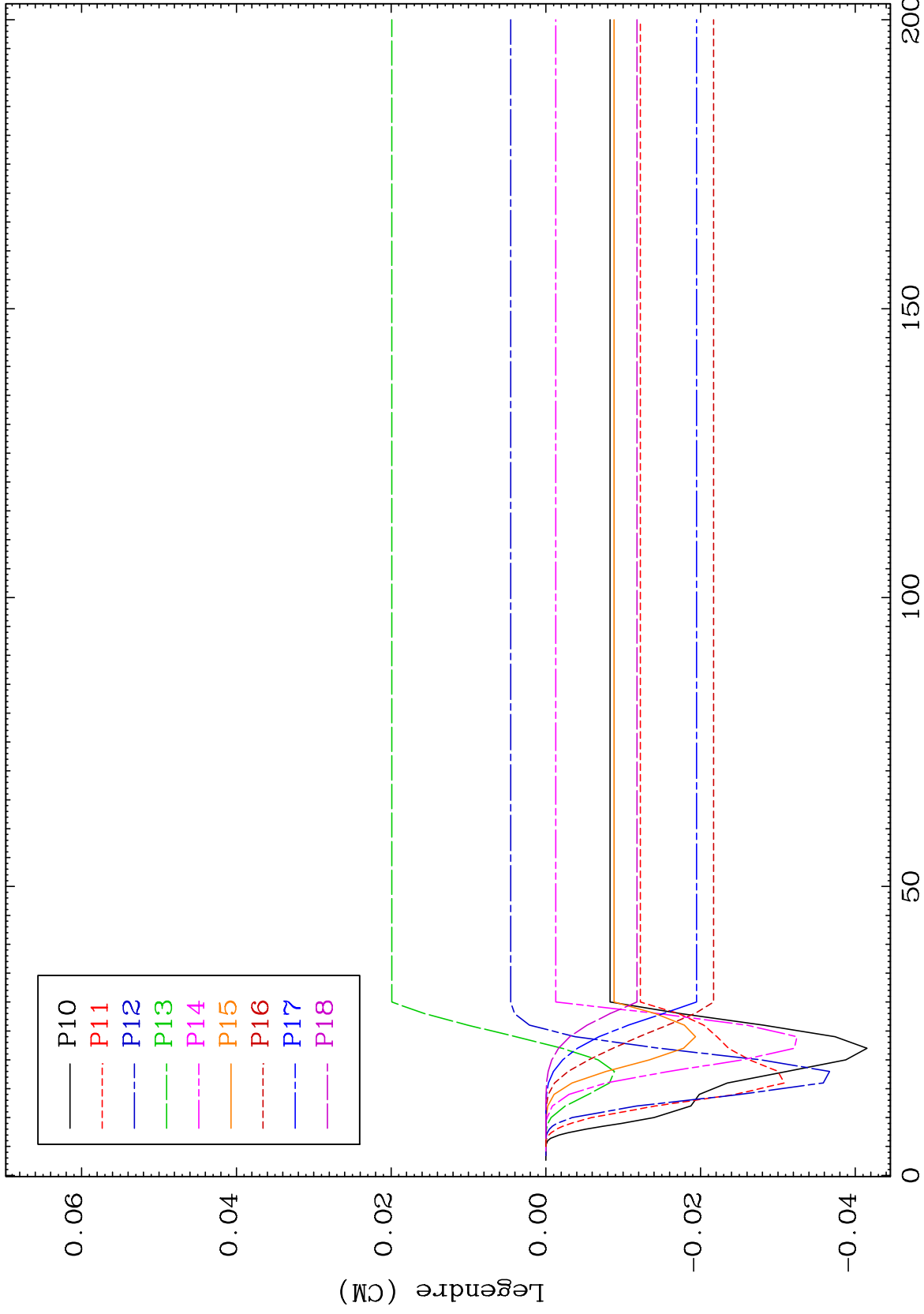
42-Mo-100



MAT 4249

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

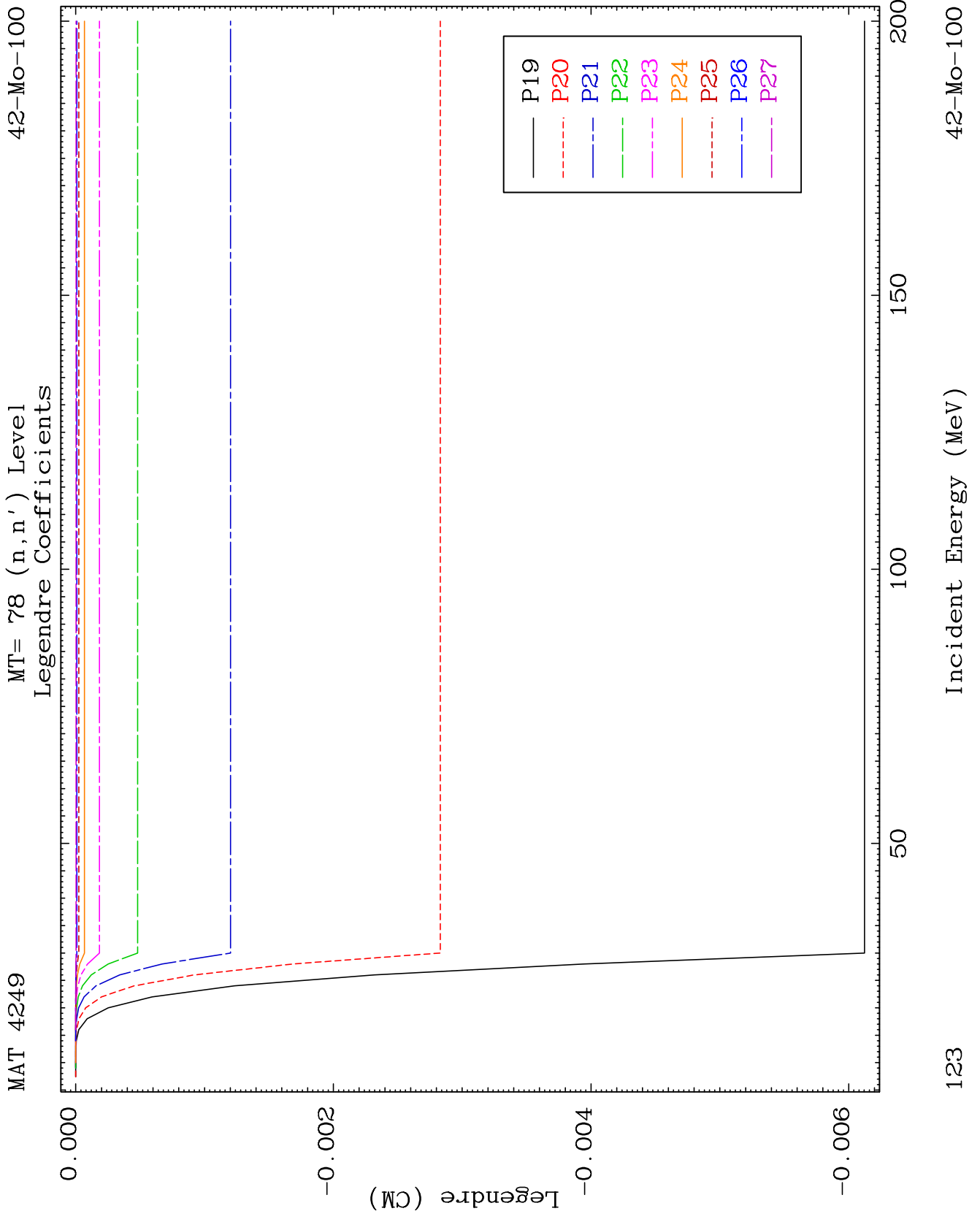
42-Mo-100

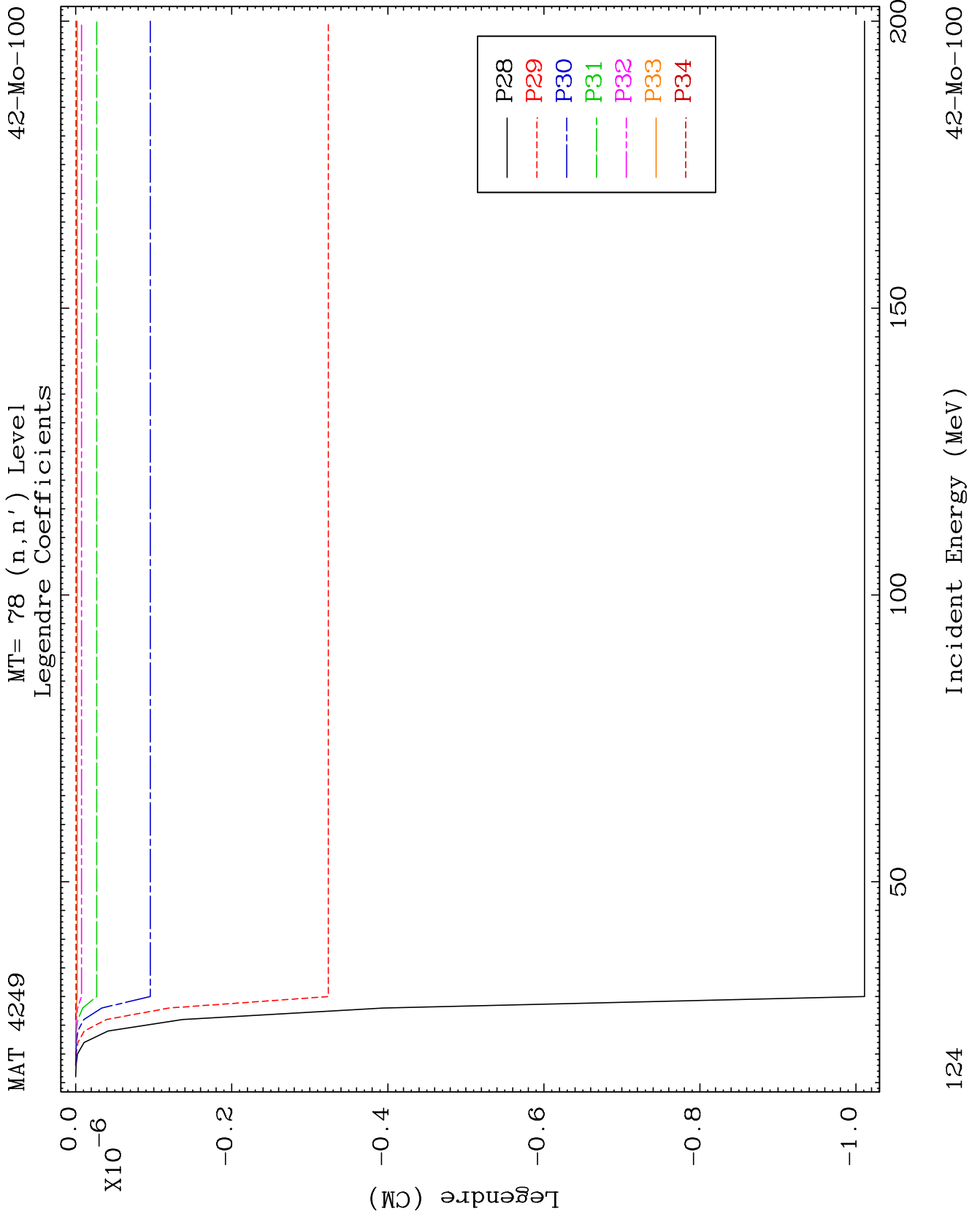


122

Incident Energy (MeV)

42-Mo-100

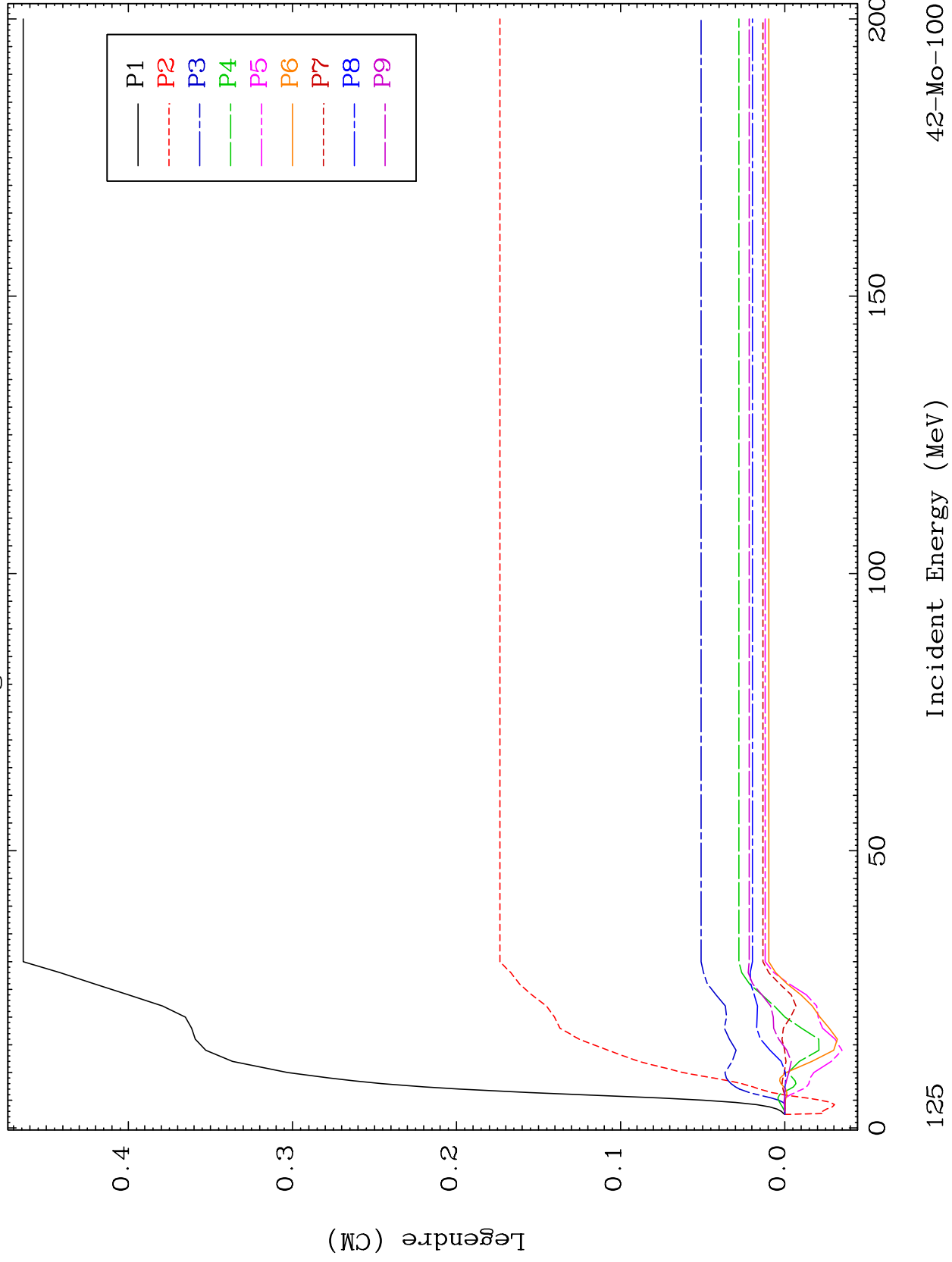




MAT 4249

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

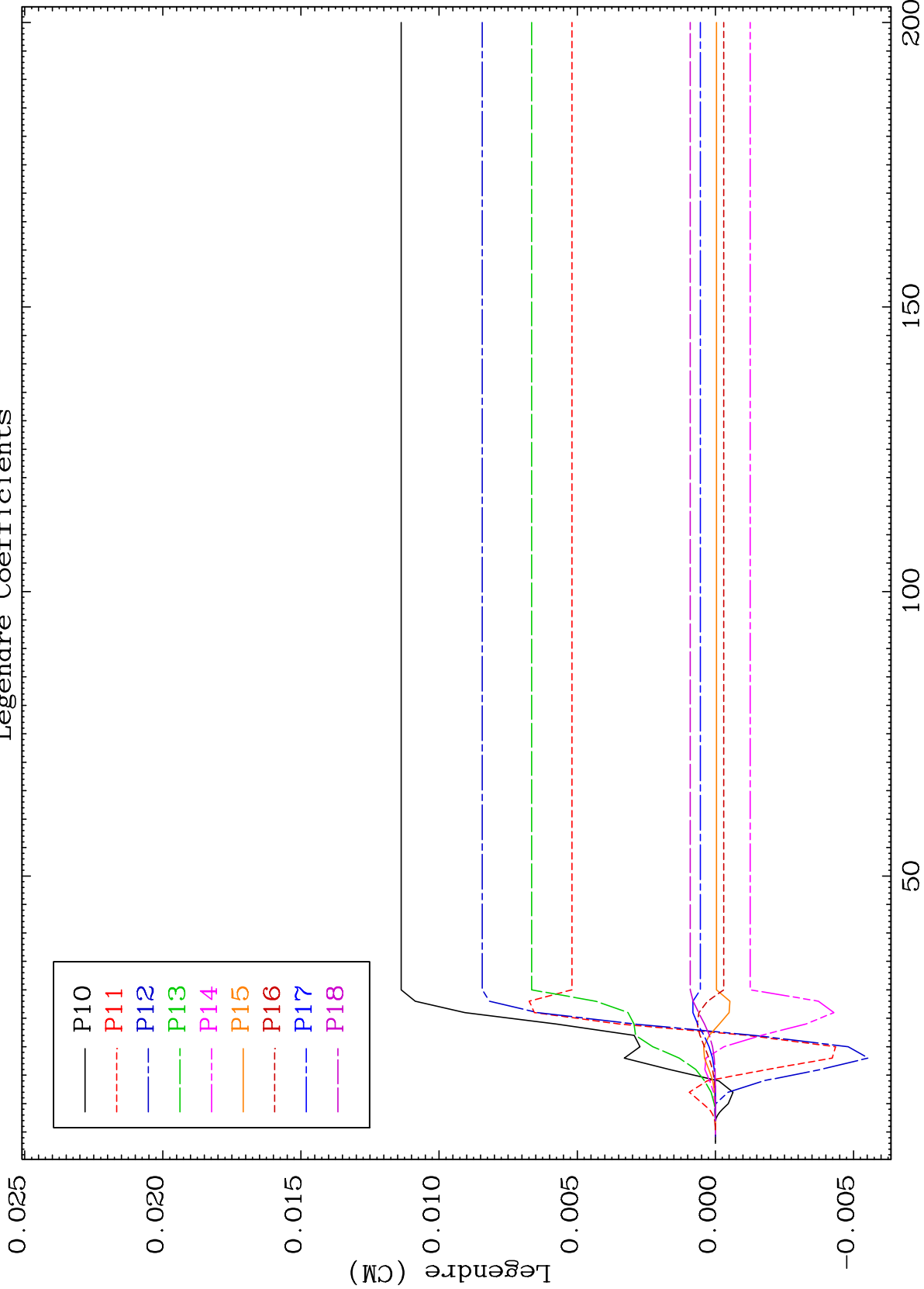
42-Mo-100



MAT 4249

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

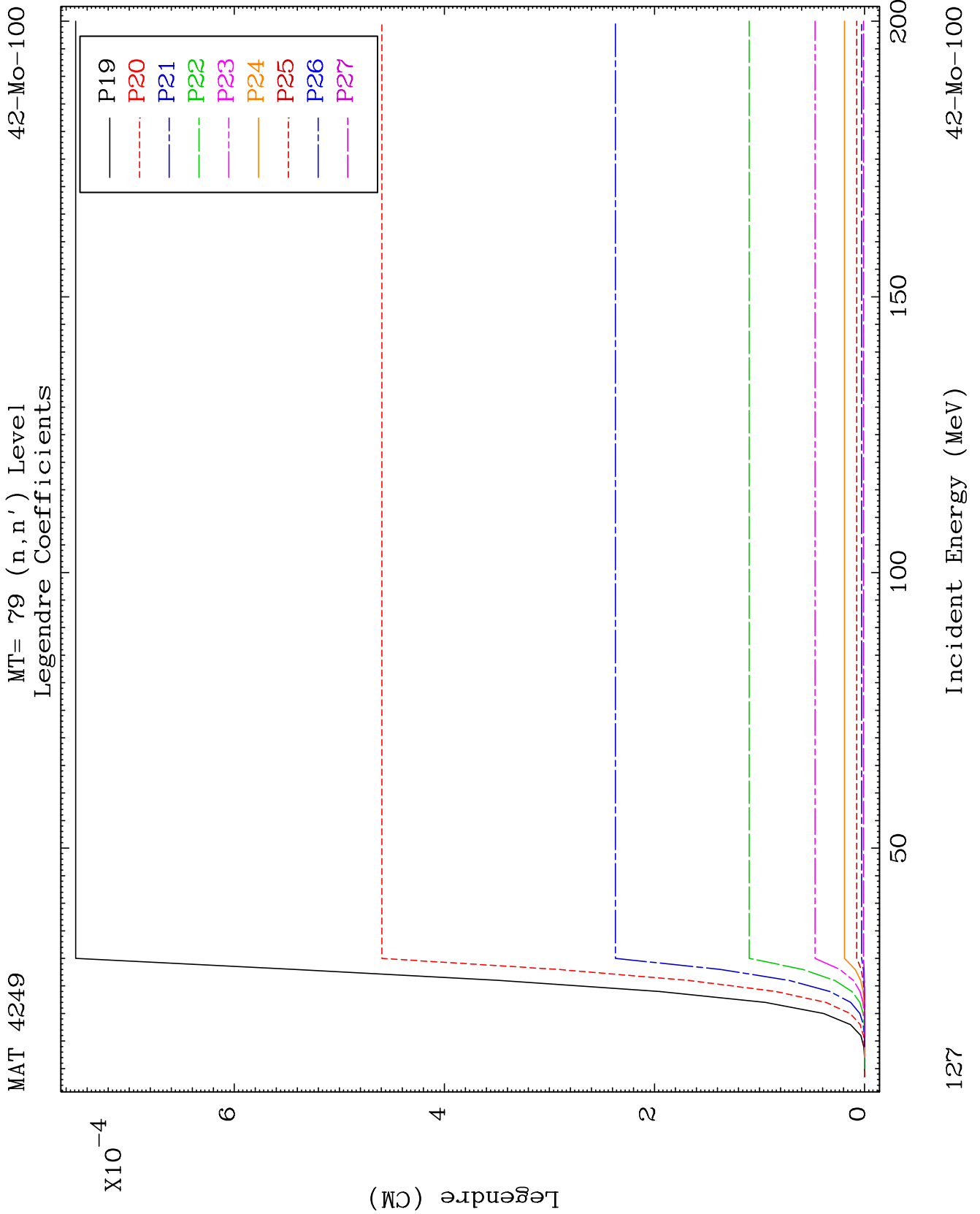
42-Mo-100



126

Incident Energy (MeV)

42-Mo-100

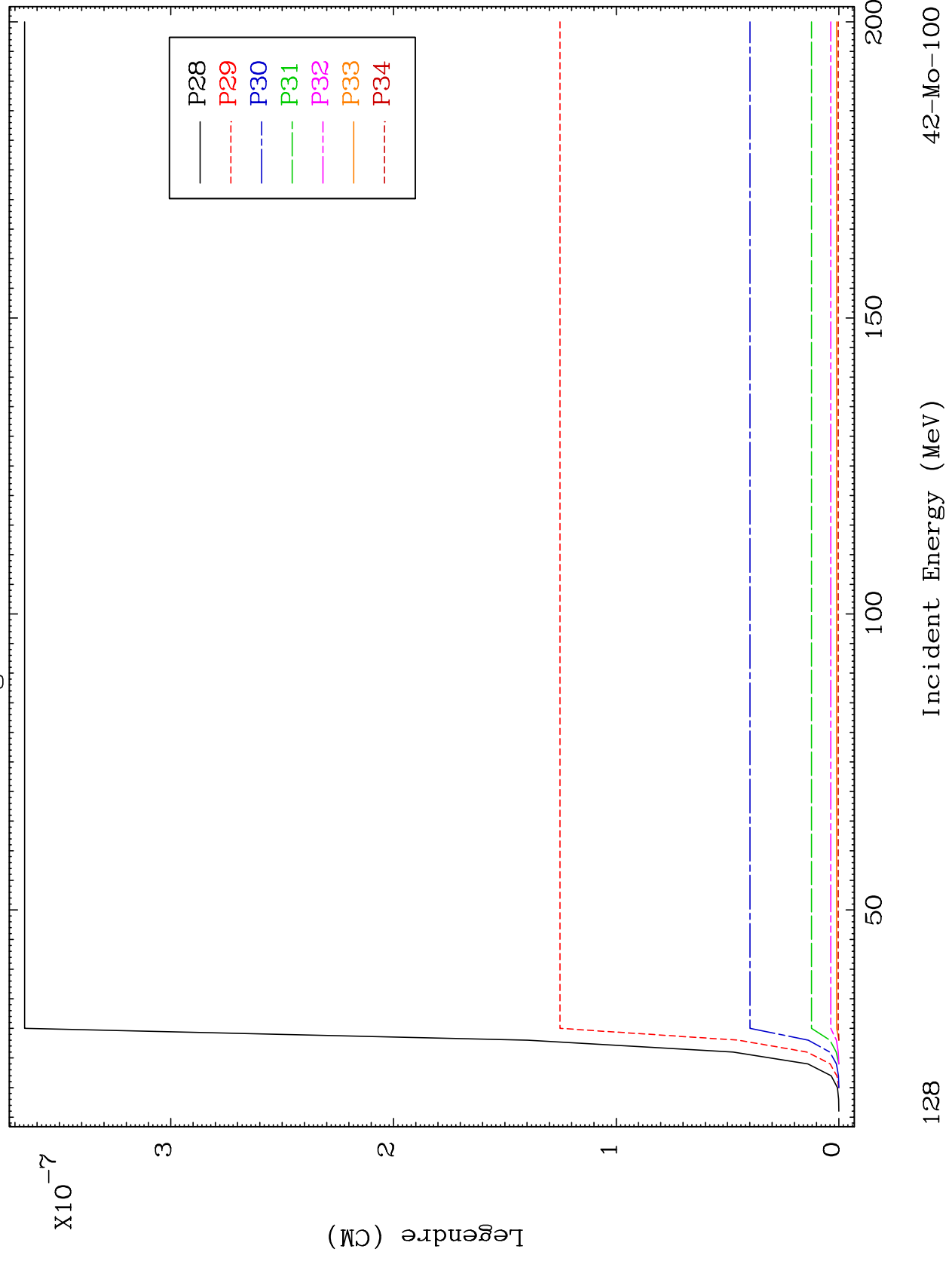




MAT 4249

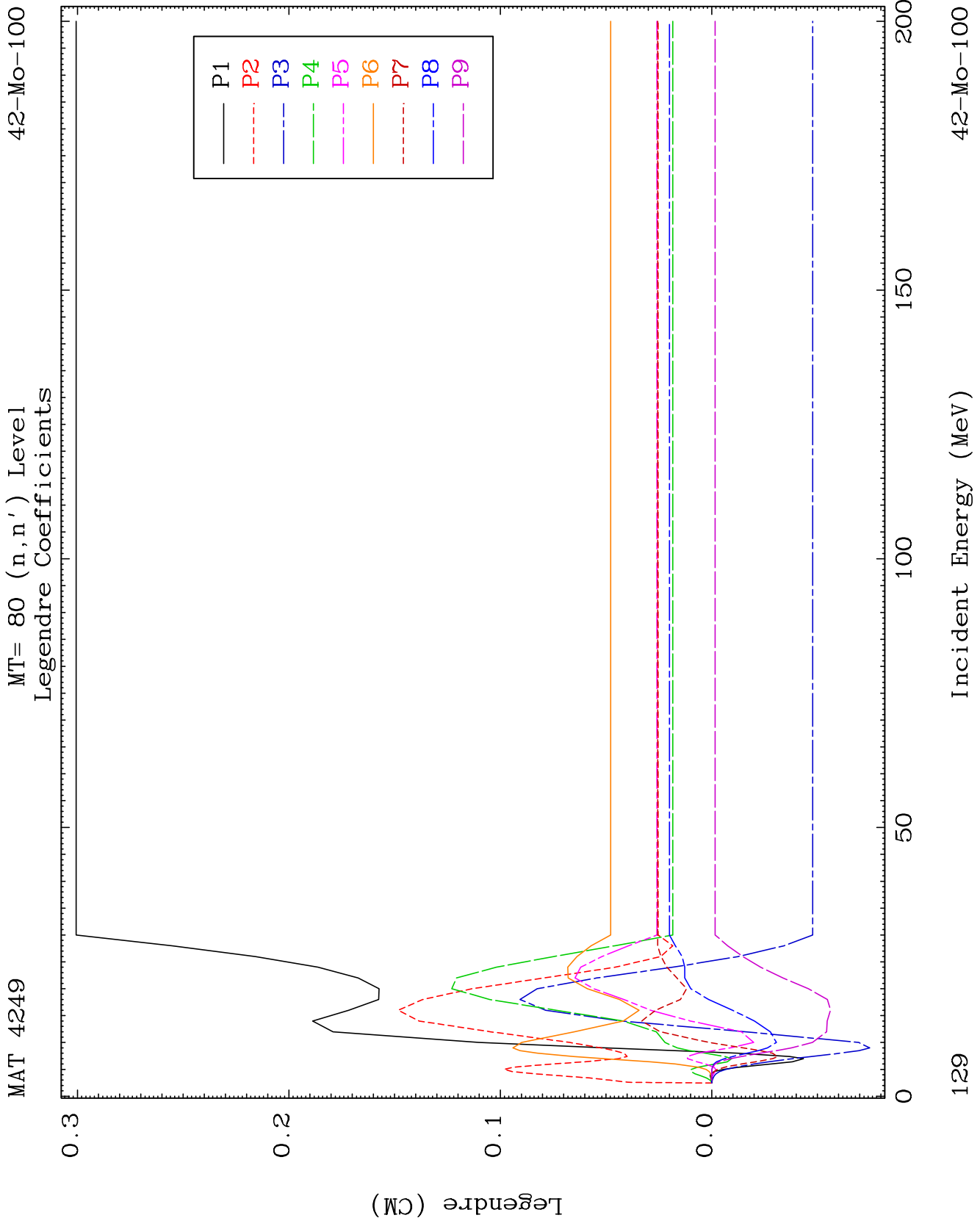
MT= 79 (n,n') Level  
Legendre Coefficients

42-Mo-100

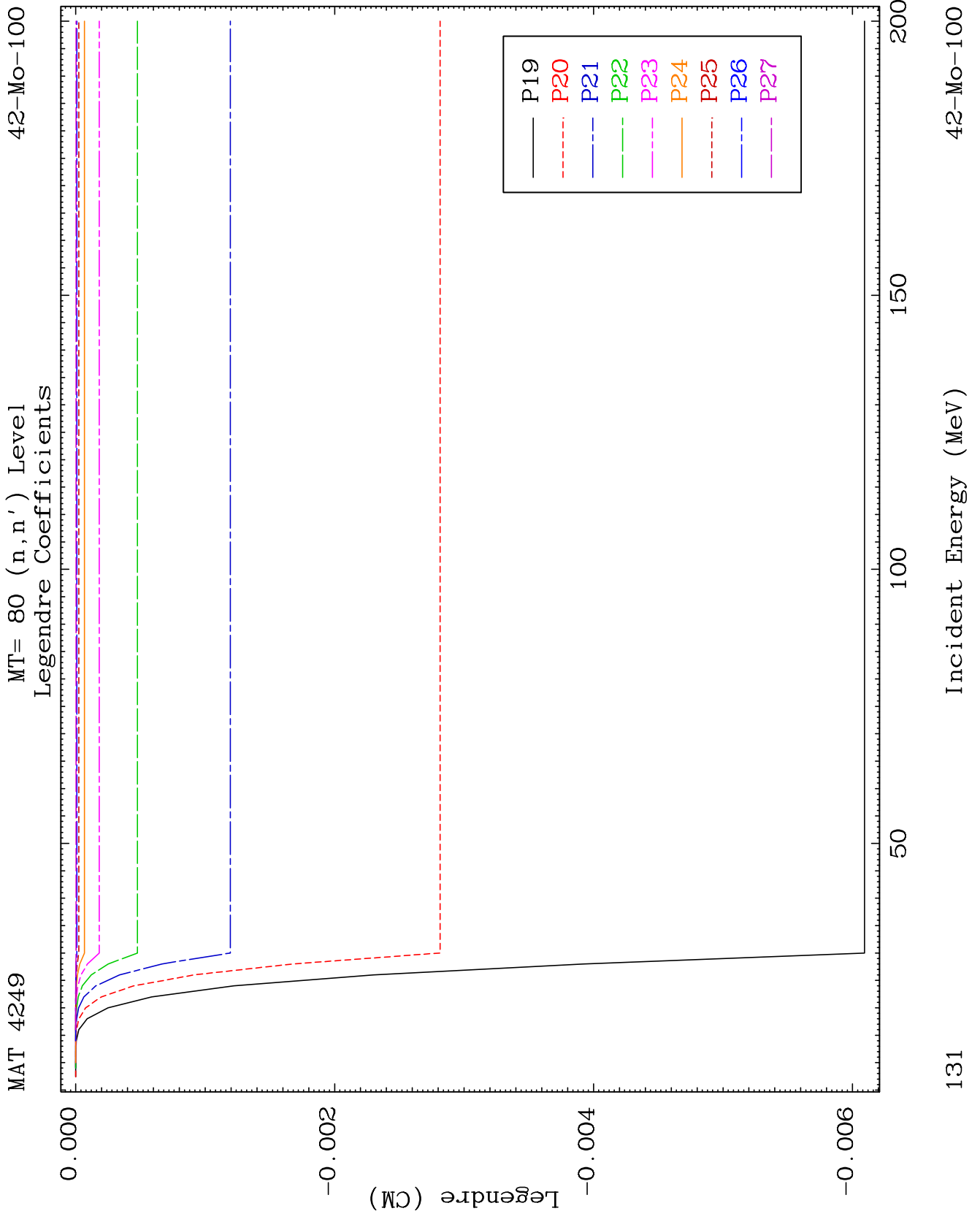


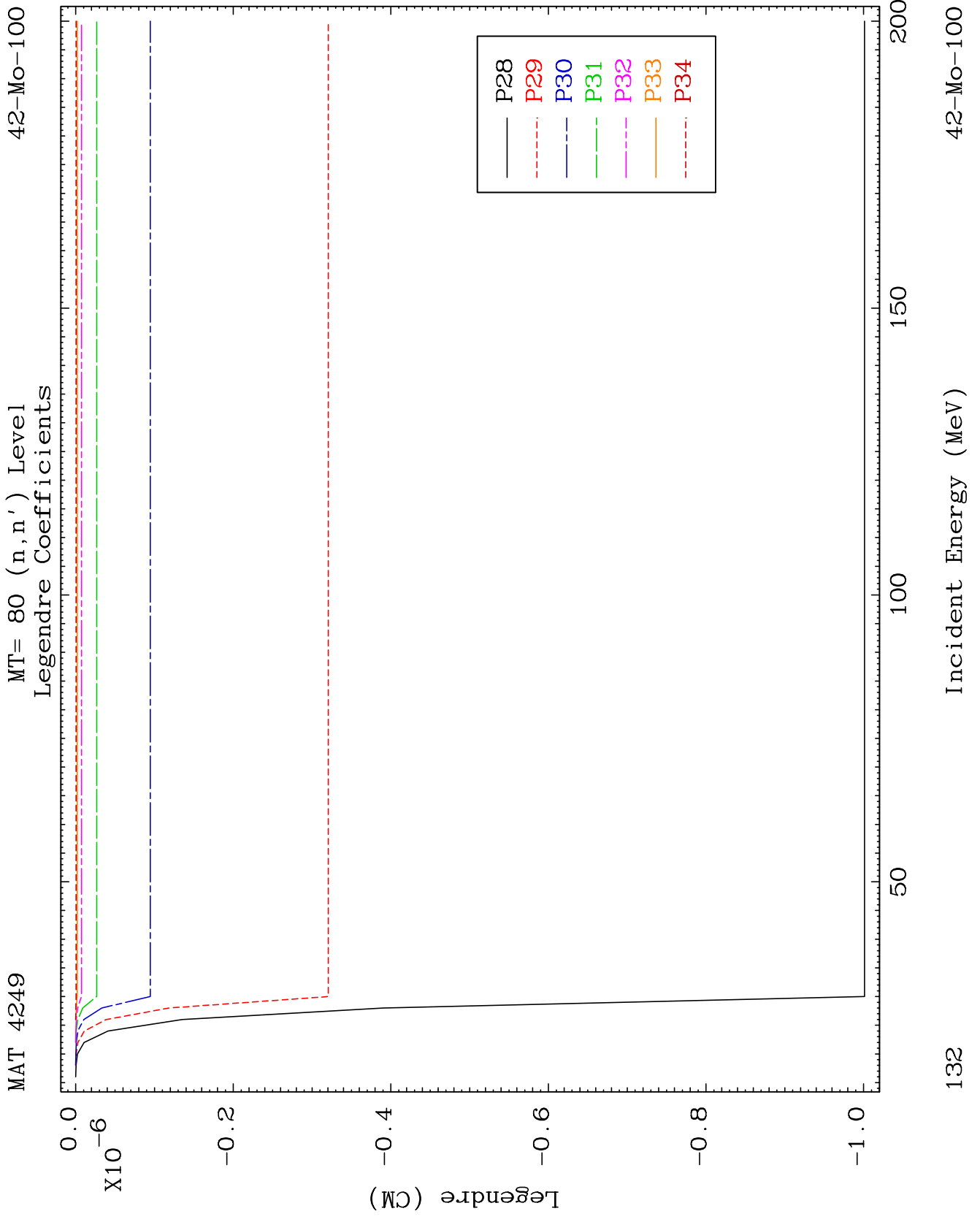
128

42-Mo-100

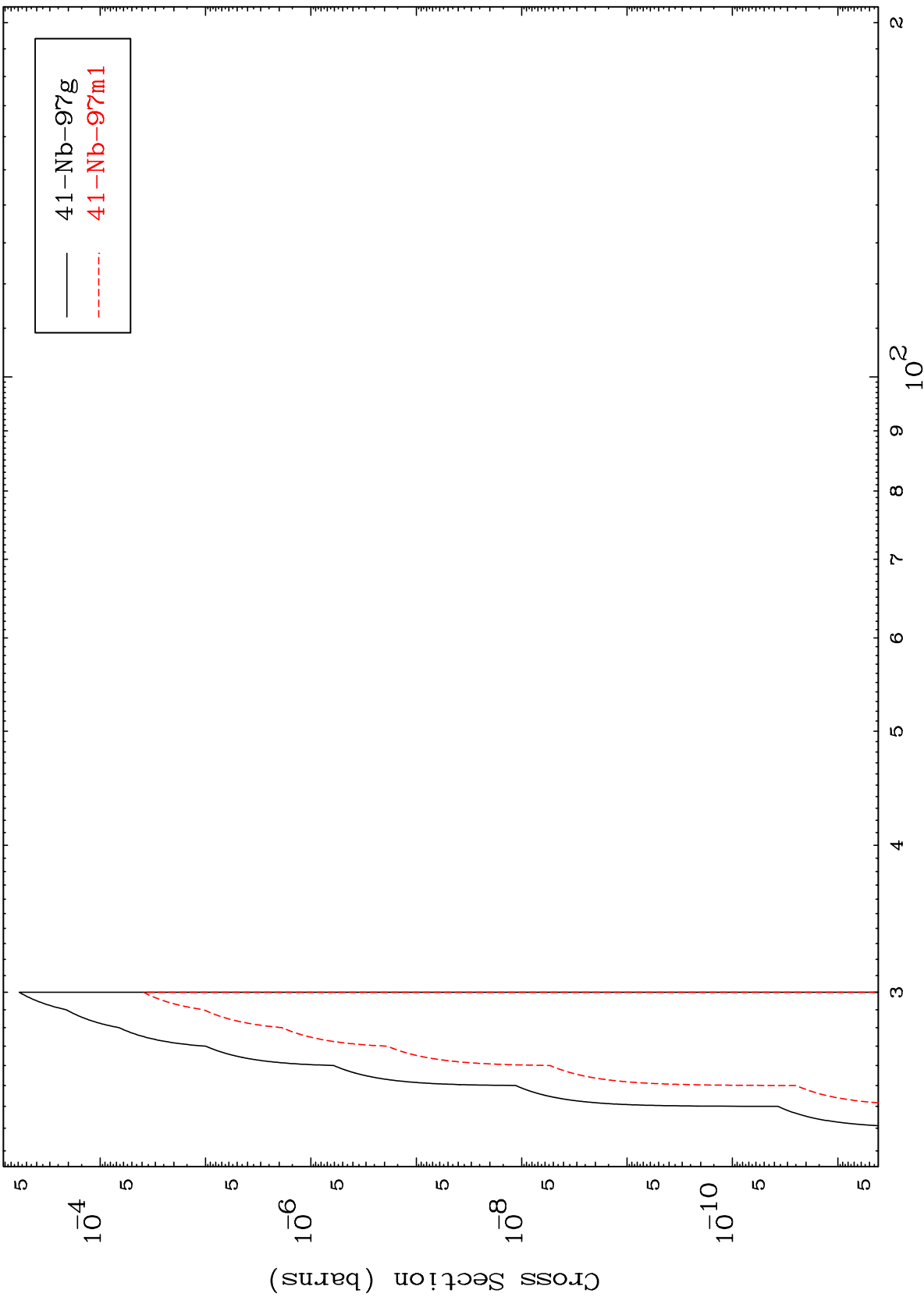








Radionuclide Production Cross Section



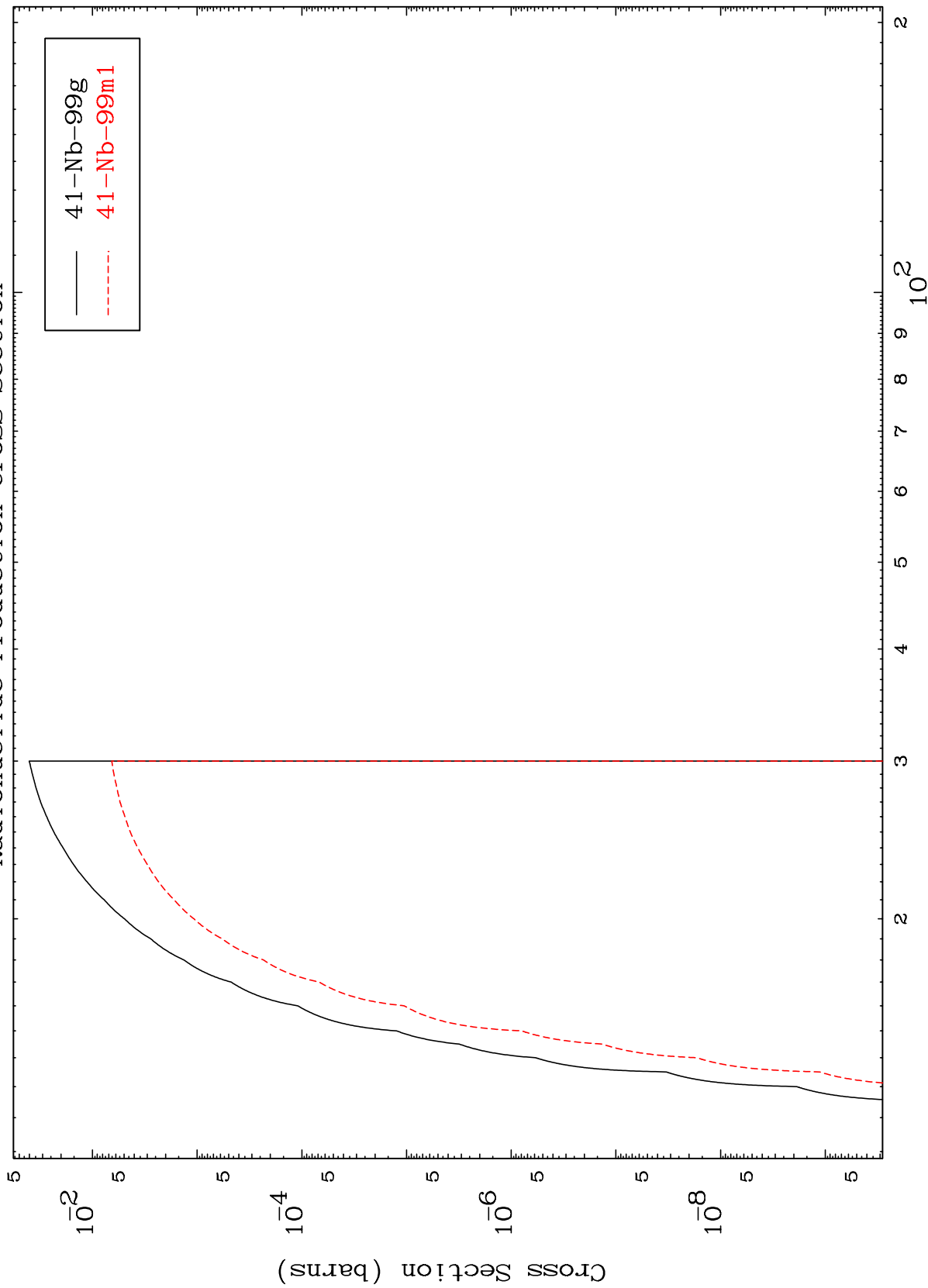
41-Nb-97g  
41-Nb-97m1

MAT 4249

(n,n') p

42-Mo-100

Radionuclide Production Cross Section



134

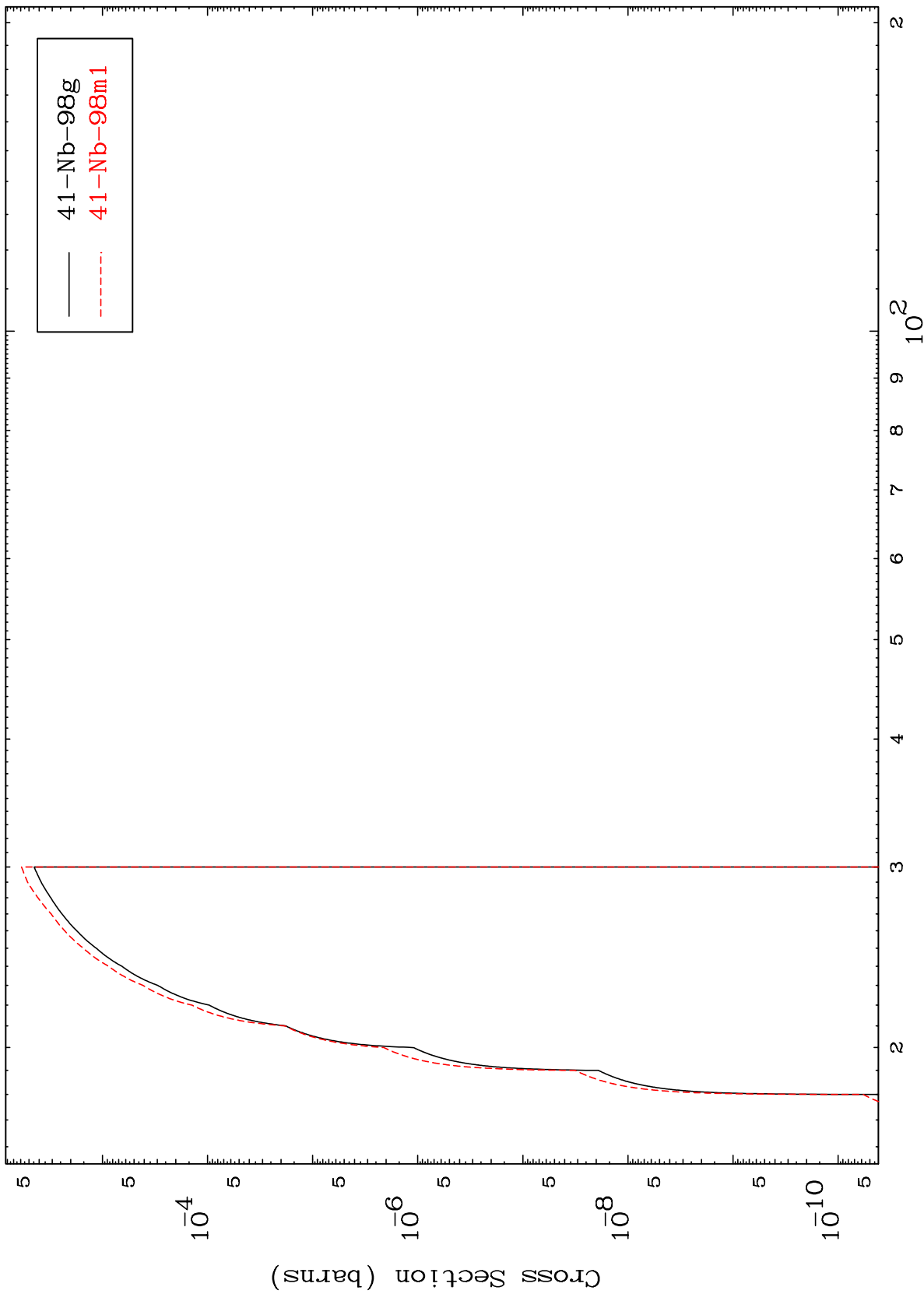
Incident Energy (MeV)

42-Mo-100

MAT 4249

42-Mo-100

(n,n') d  
Radionuclide Production Cross Section



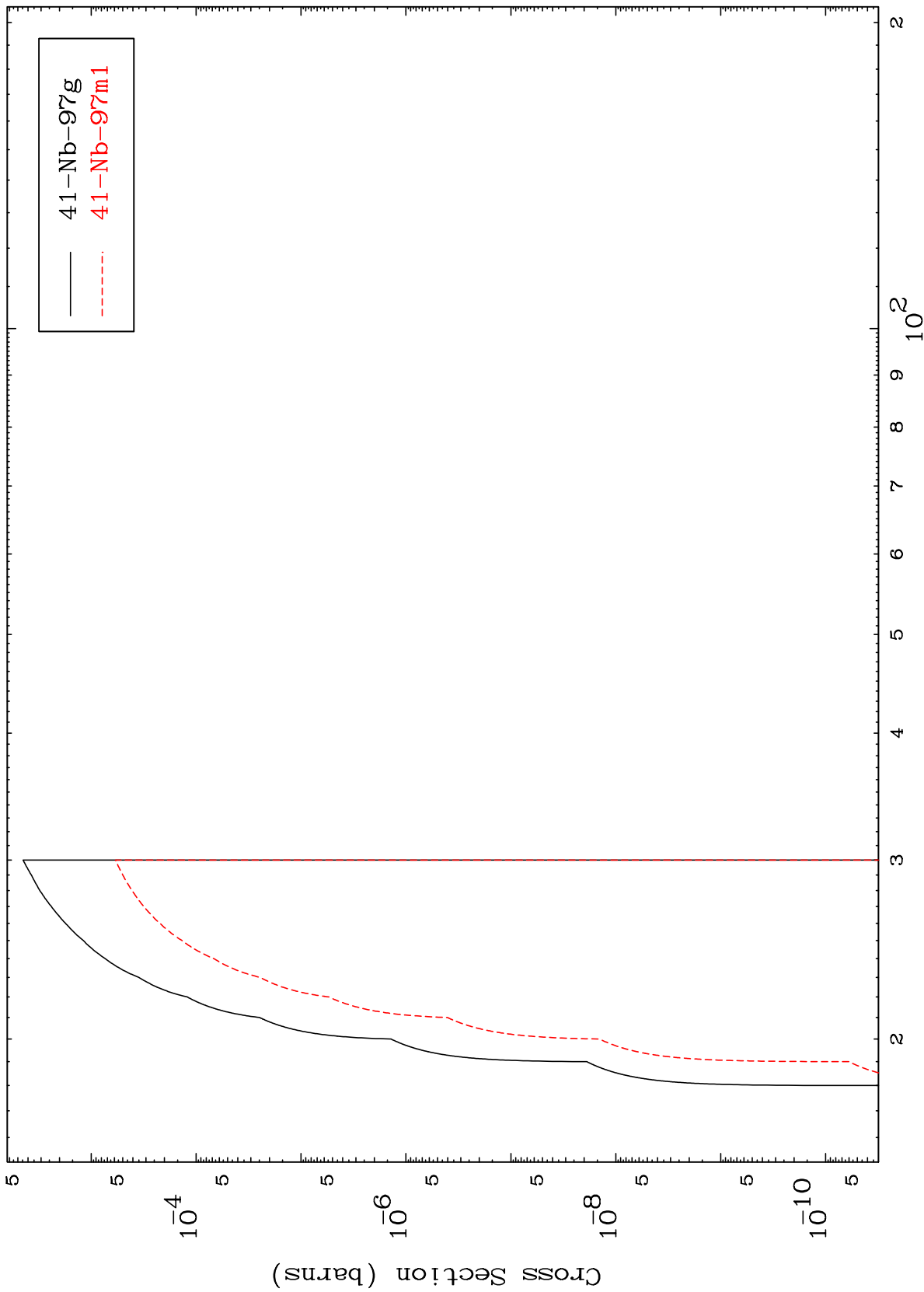
135

Incident Energy (MeV)

42-Mo-100



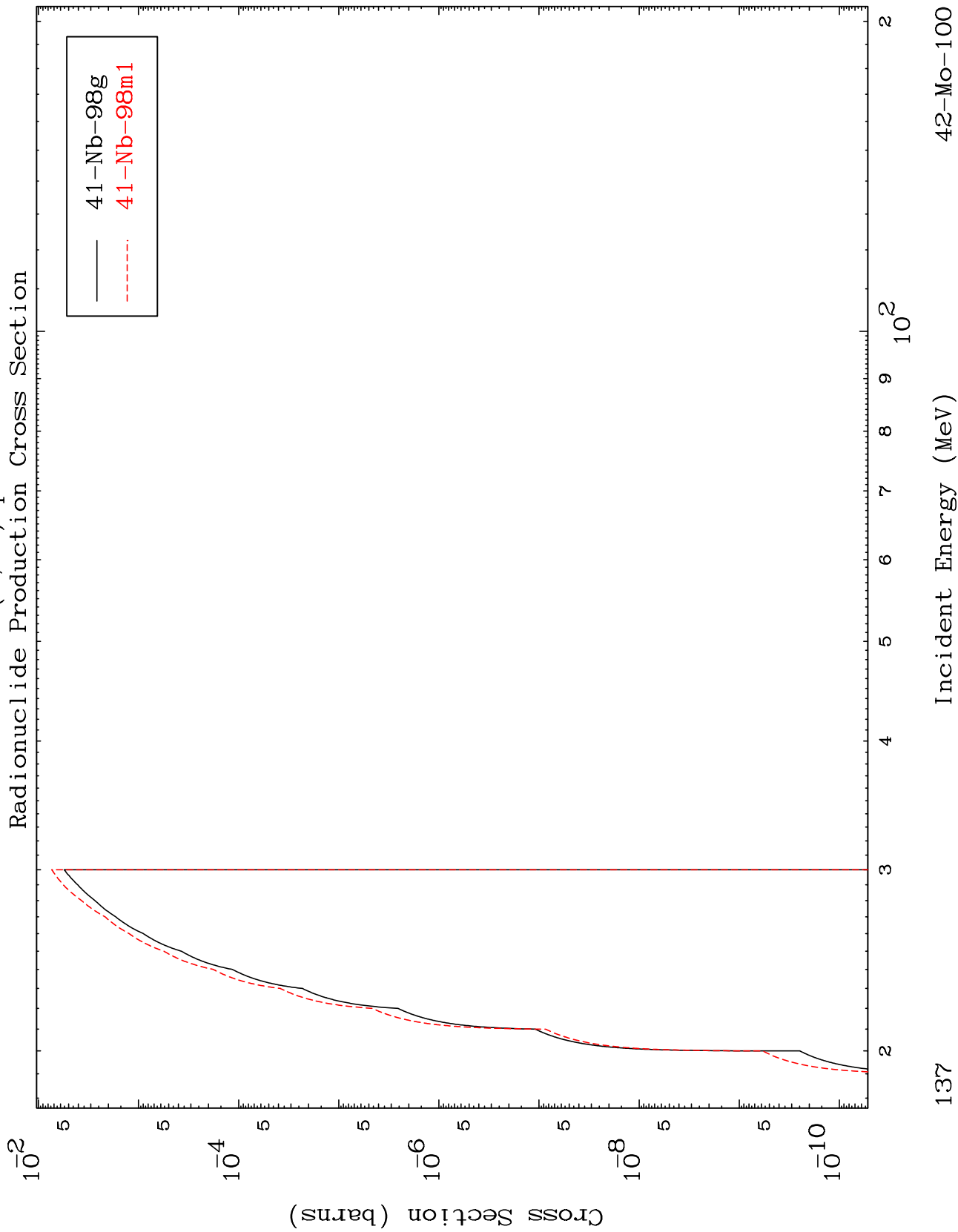
Radionuclide Production Cross Section



MAT 4249

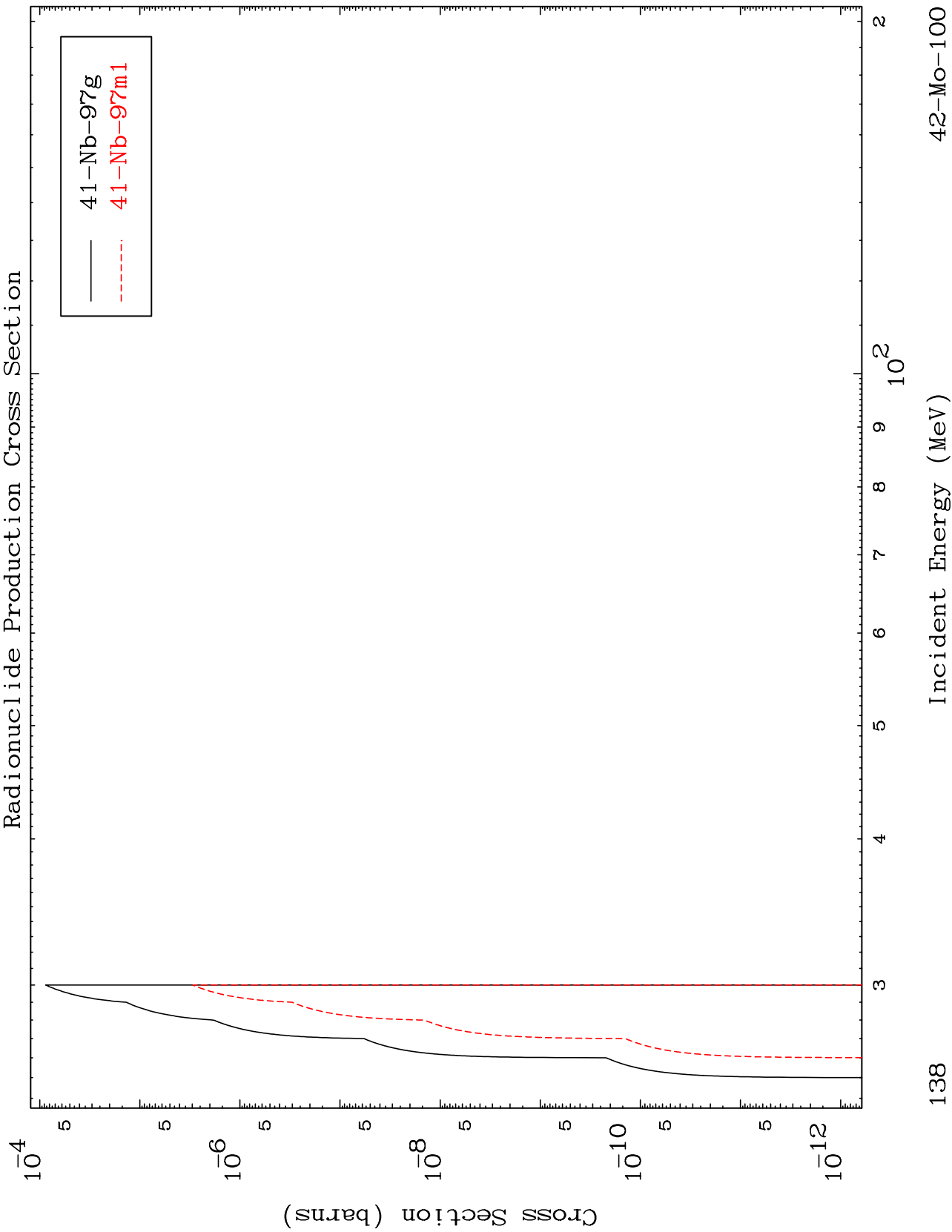
(n,2n) p

42-Mo-100



137

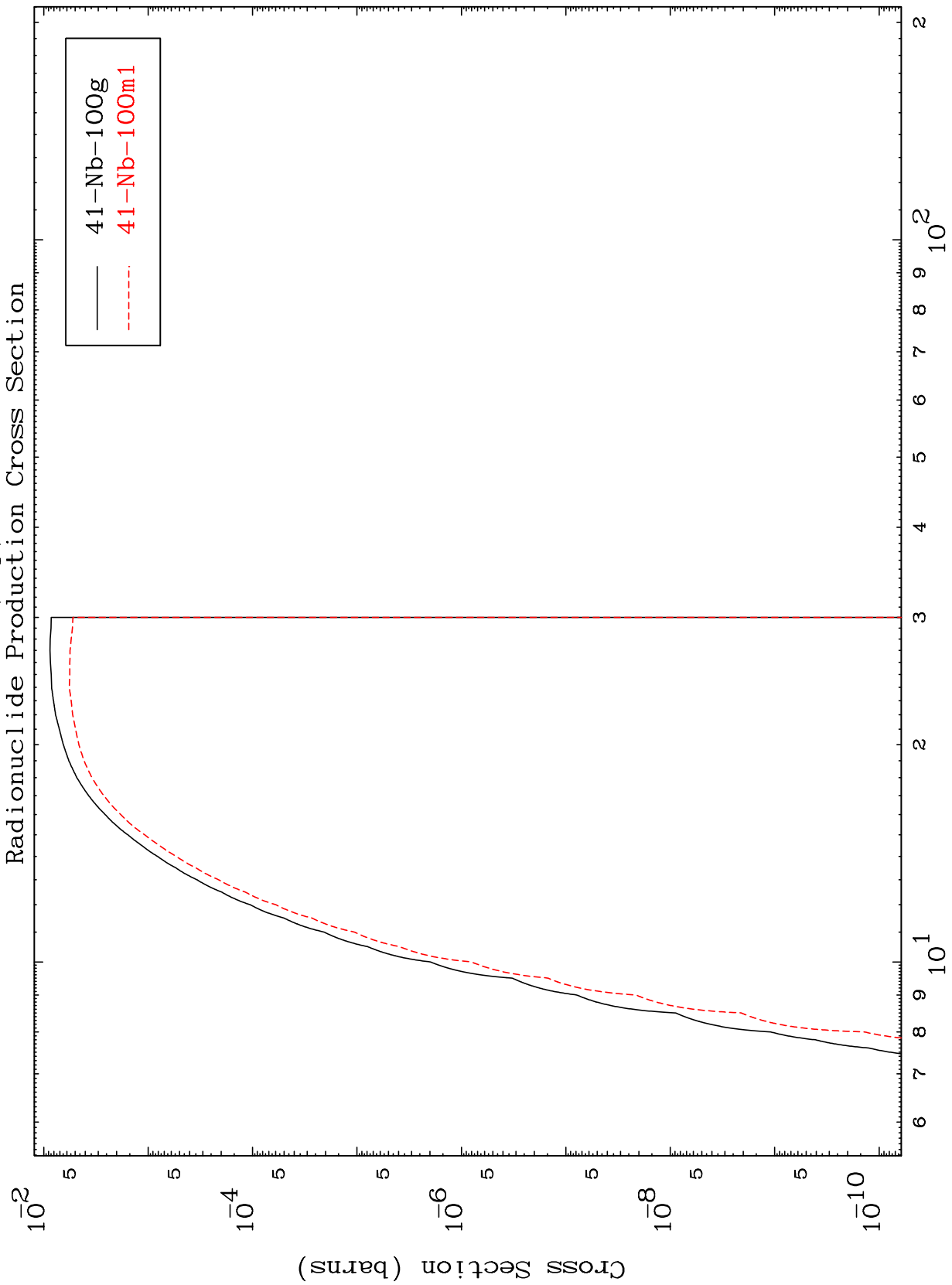
Radionuclide Production Cross Section



MAT 4249

42-Mo-100

(n,p)  
Radionuclide Production Cross Section



139

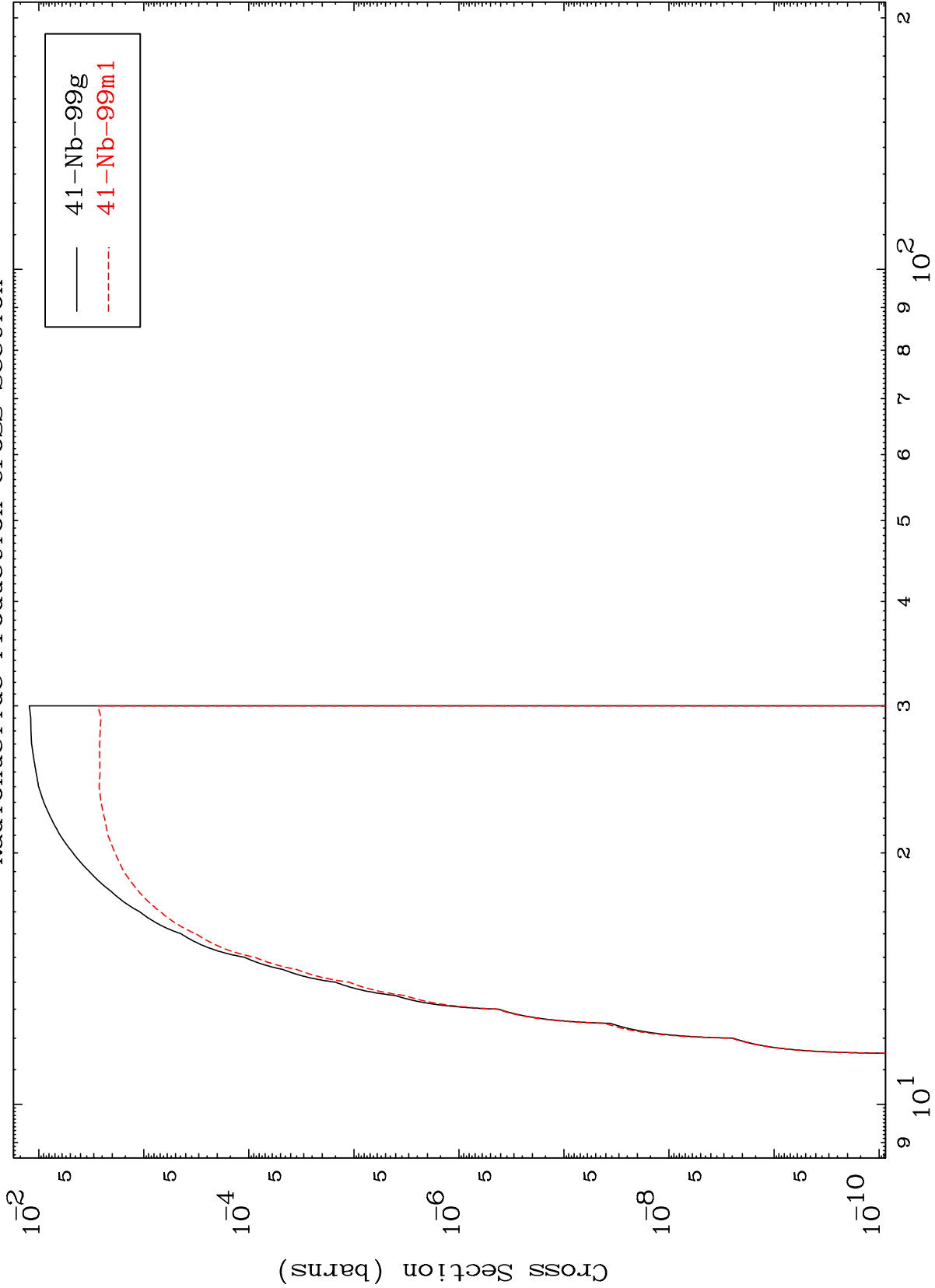
Incident Energy (MeV)

42-Mo-100

MAT 4249

42-Mo-100

(n,d)  
Radionuclide Production Cross Section



42-Mo-100

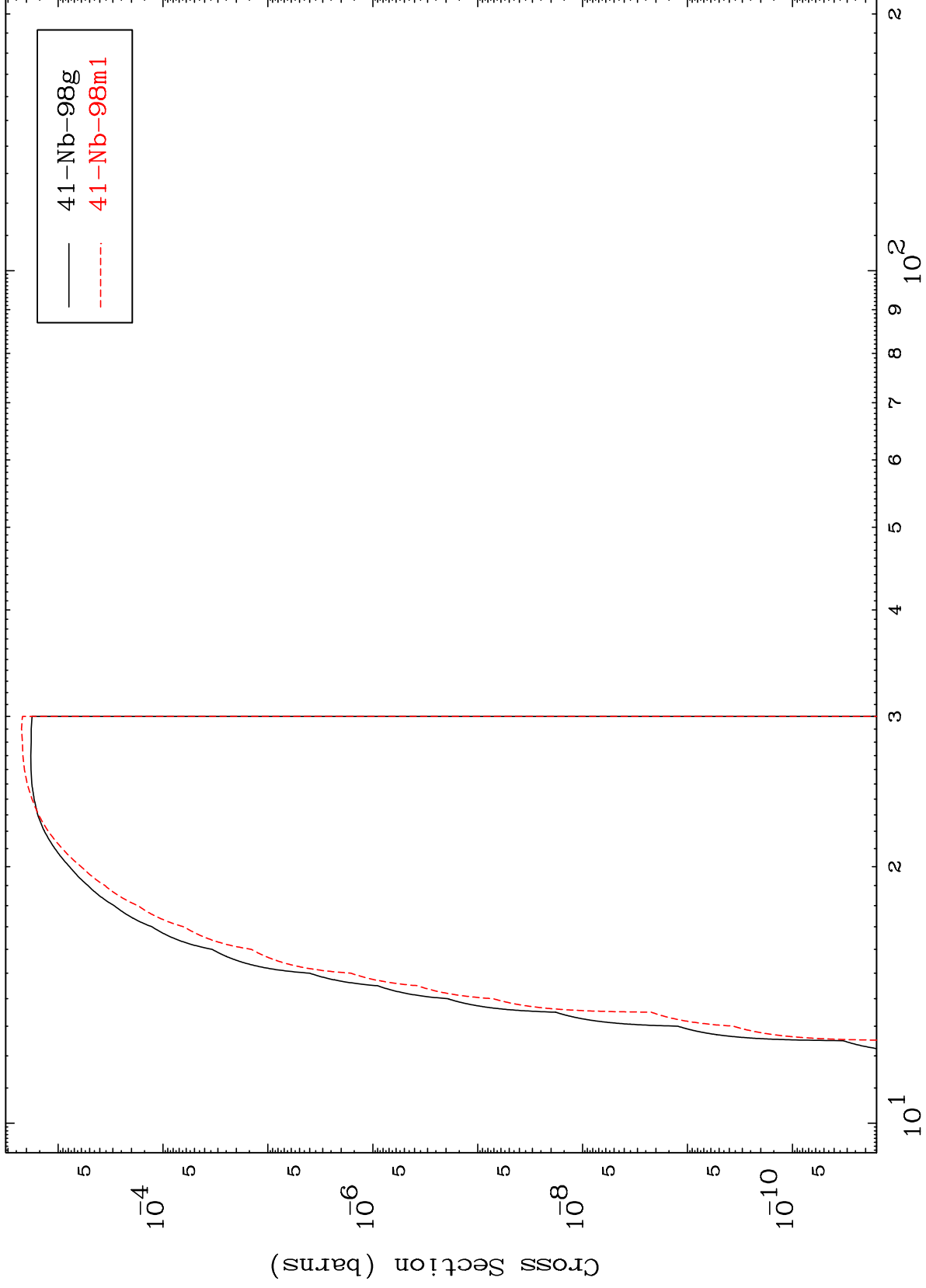
Incident Energy (MeV)

140

MAT 4249

42-Mo-100

(n, t)  
Radionuclide Production Cross Section



42-Mo-100

Incident Energy (MeV)

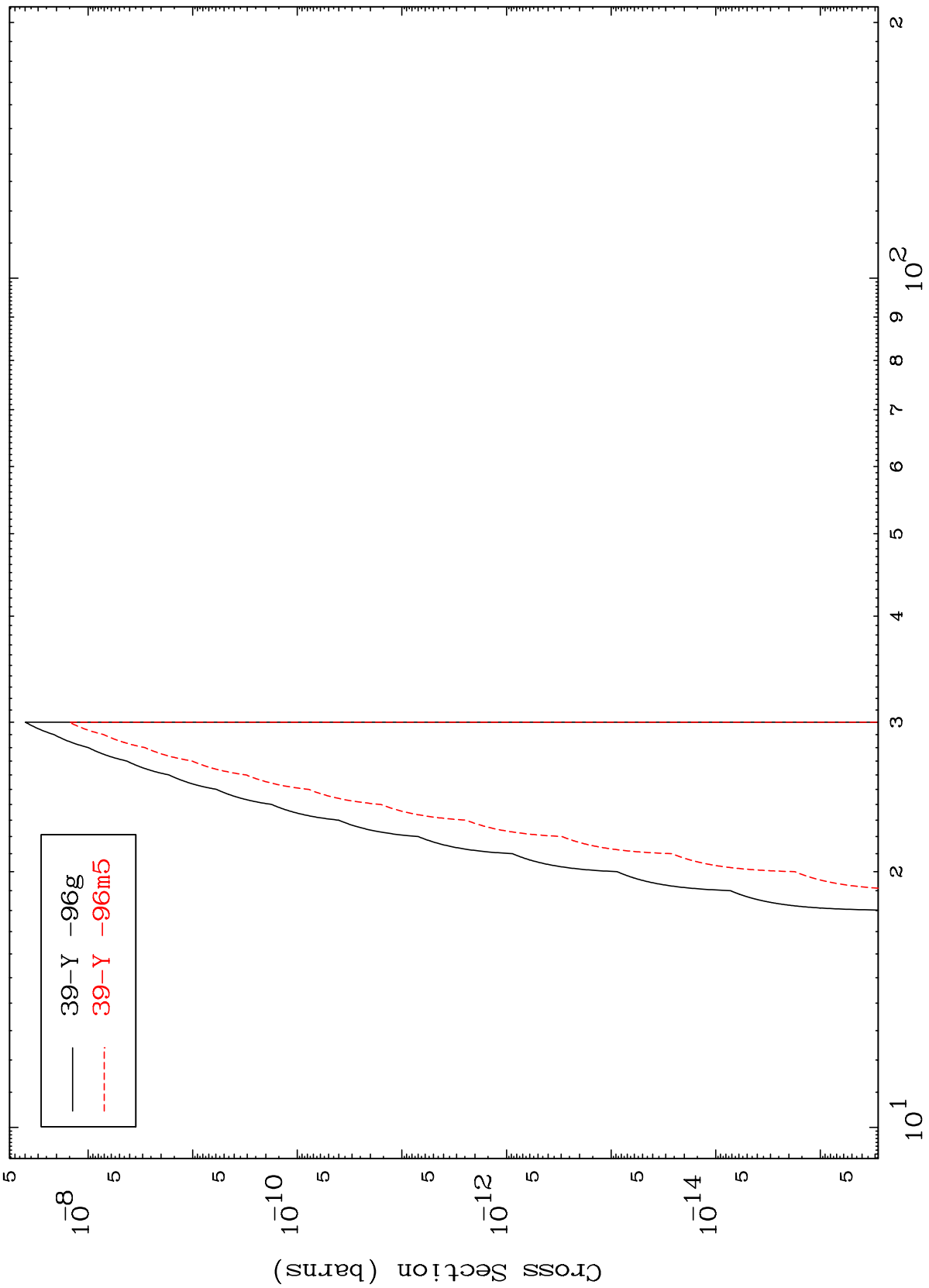
141

MAT 4249

(n,p)  $\alpha$

42-Mo-100

Radionuclide Production Cross Section



142

Incident Energy (MeV)

42-Mo-100