

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

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

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

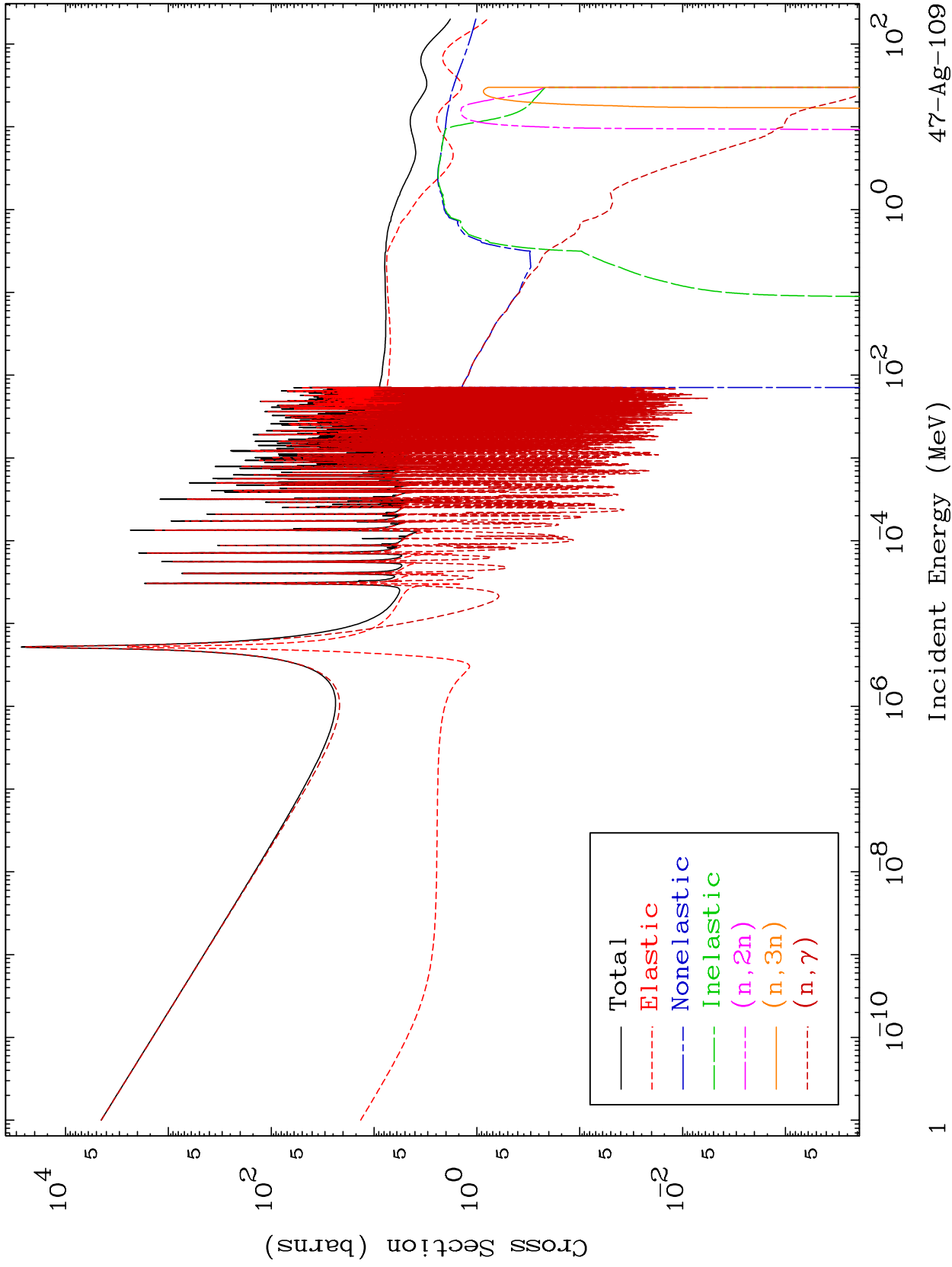
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

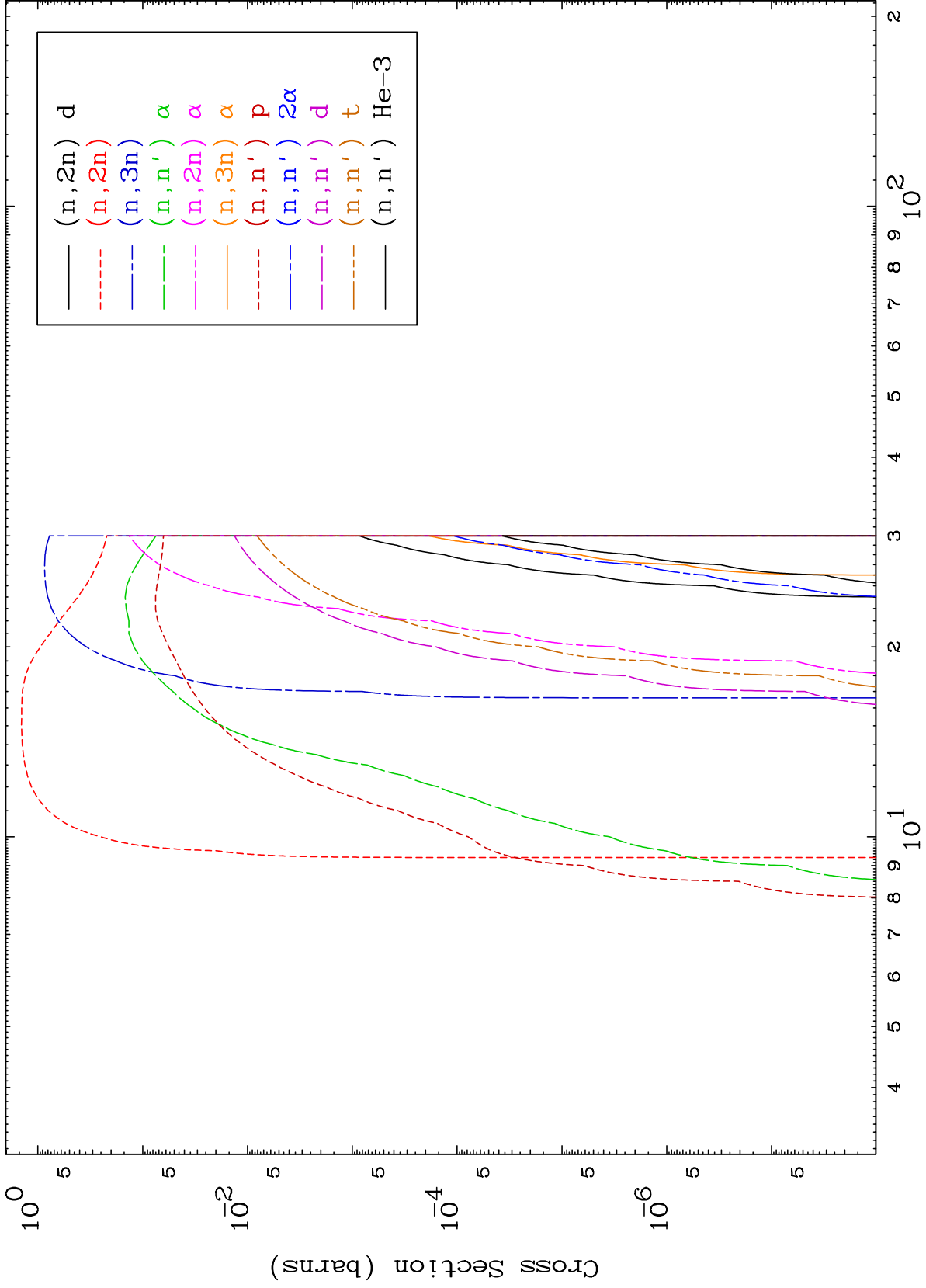
Press Mouse Button to Start

MAT 4731

Neutron Major  
293 Kelvin Cross Sections

47-Ag-109

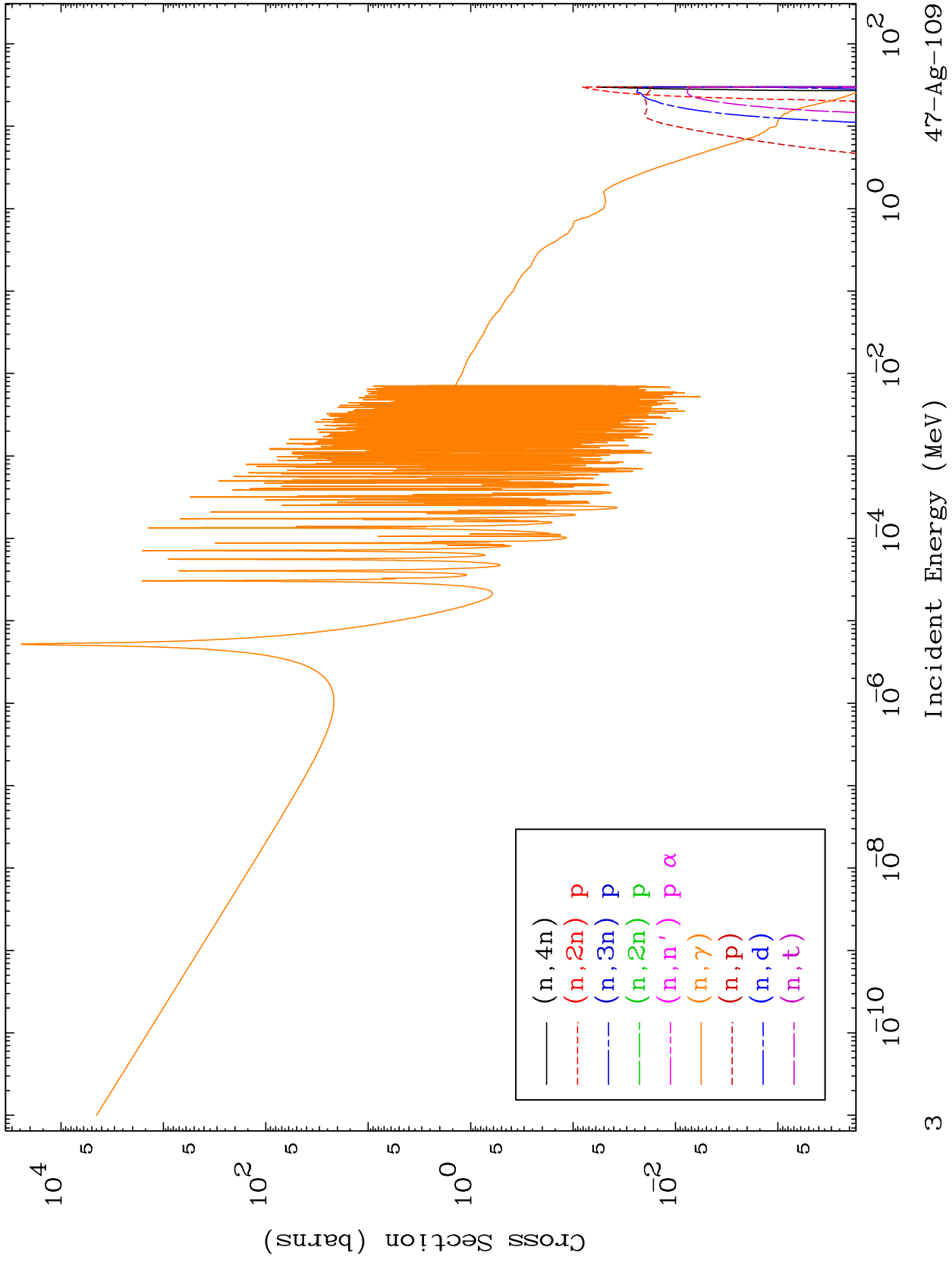




MAT 4731

Neutron Absorption  
293 Kelvin Cross Sections

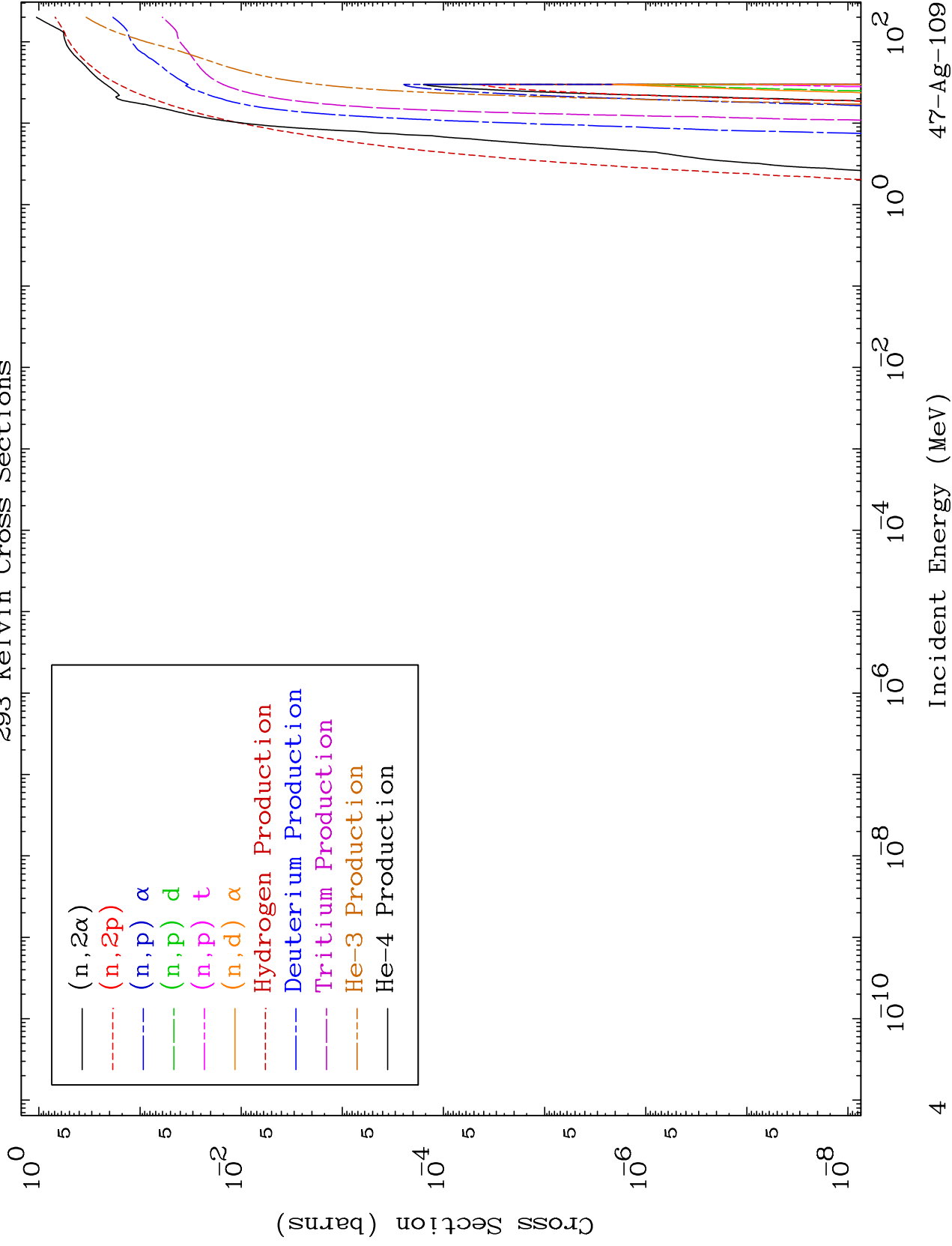
47-Ag-109

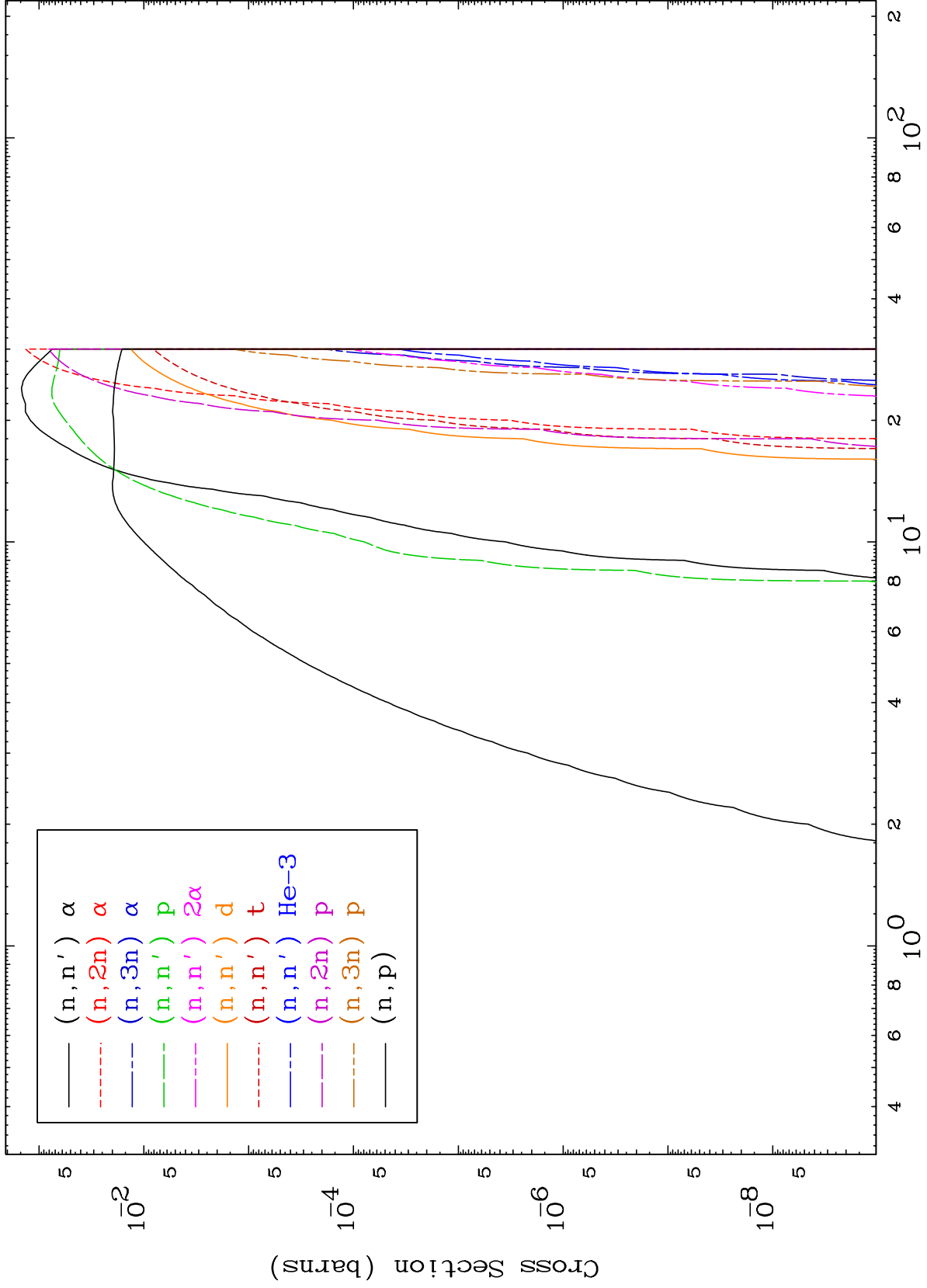


MAT 4731

Neutron Absorption  
293 Kelvin Cross Sections

47-Ag-109

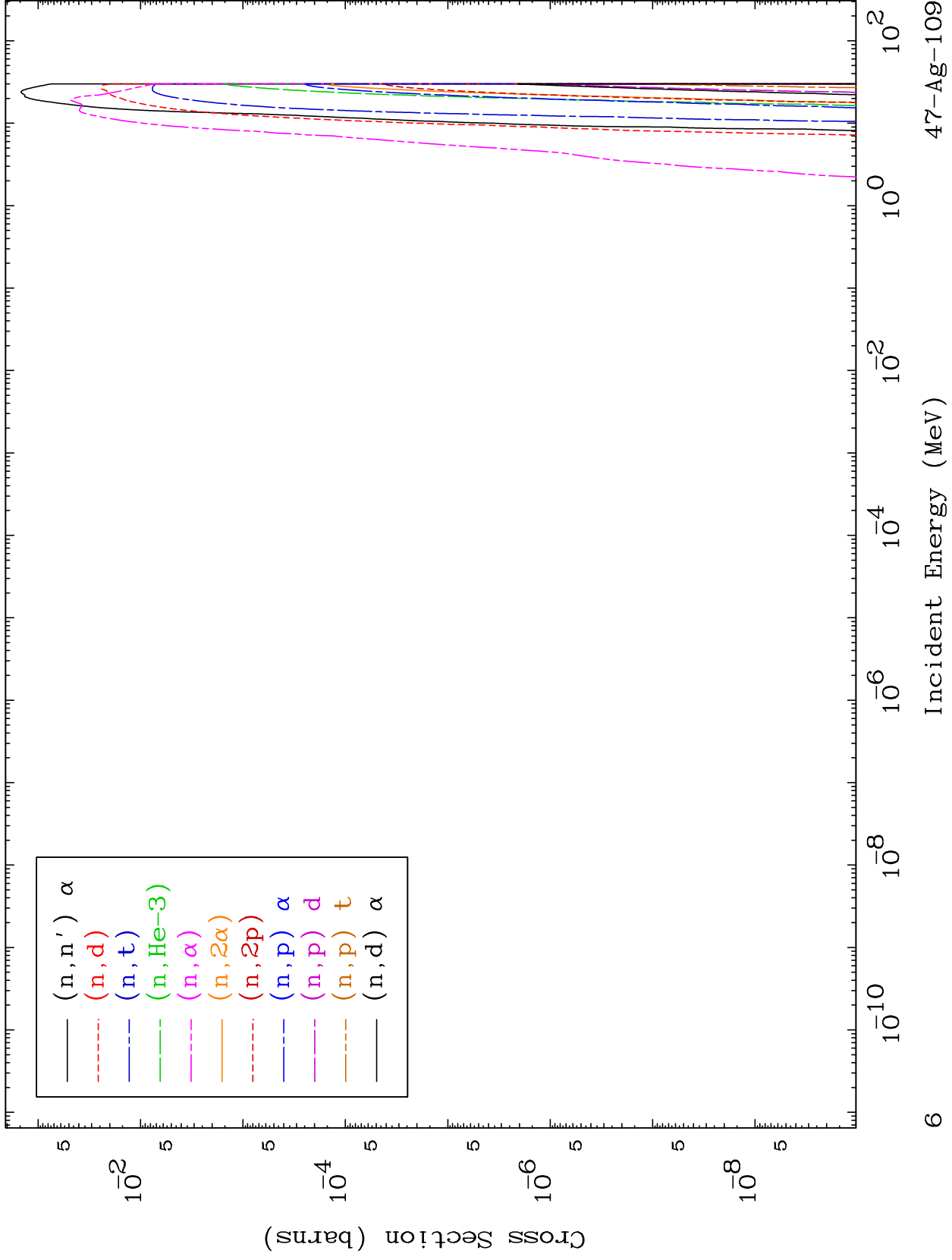




MAT 4731

Charged Particle  
293 Kelvin Cross Sections

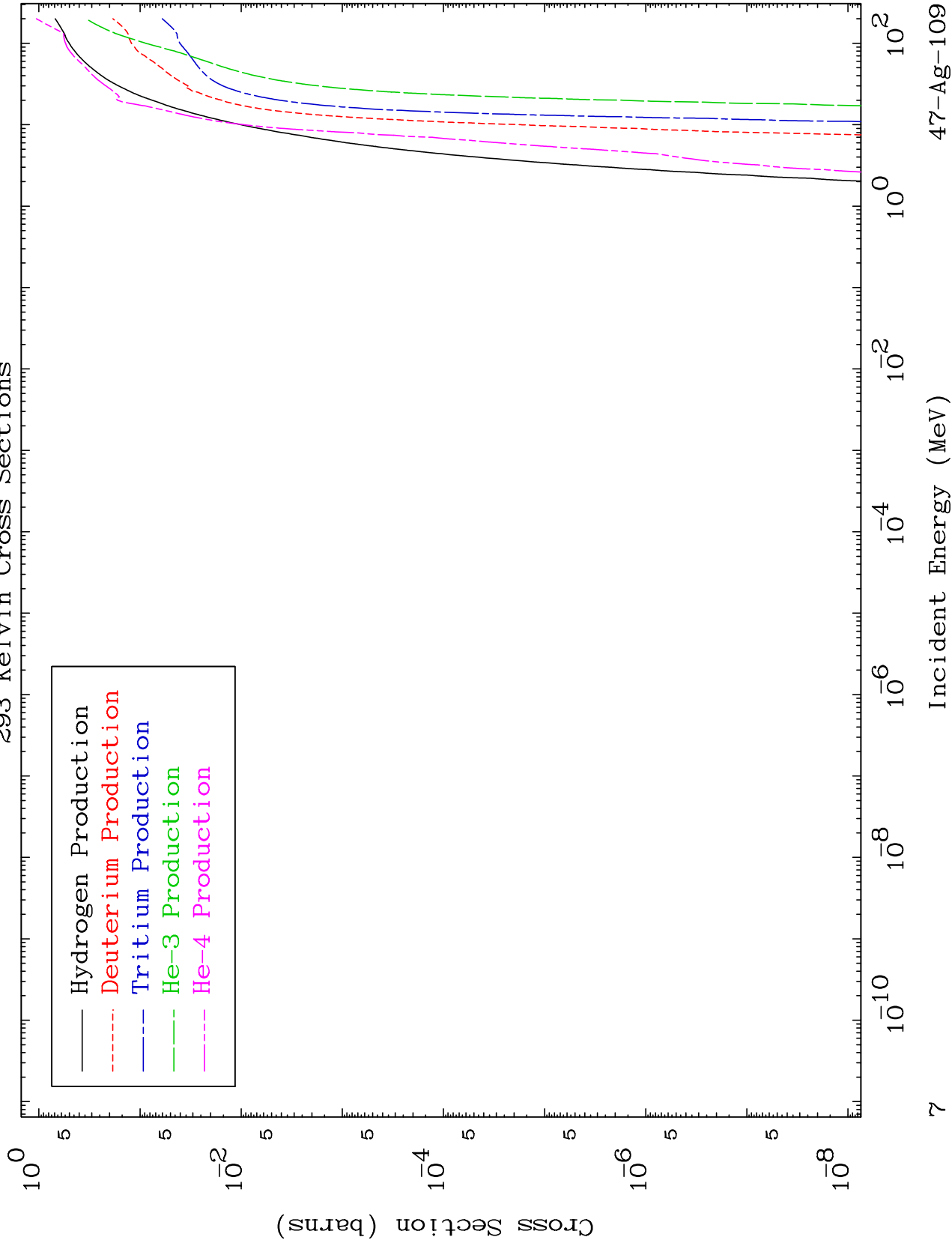
47-Ag-109



MAT 4731

Particle Production  
293 Kelvin Cross Sections

47-Ag-109



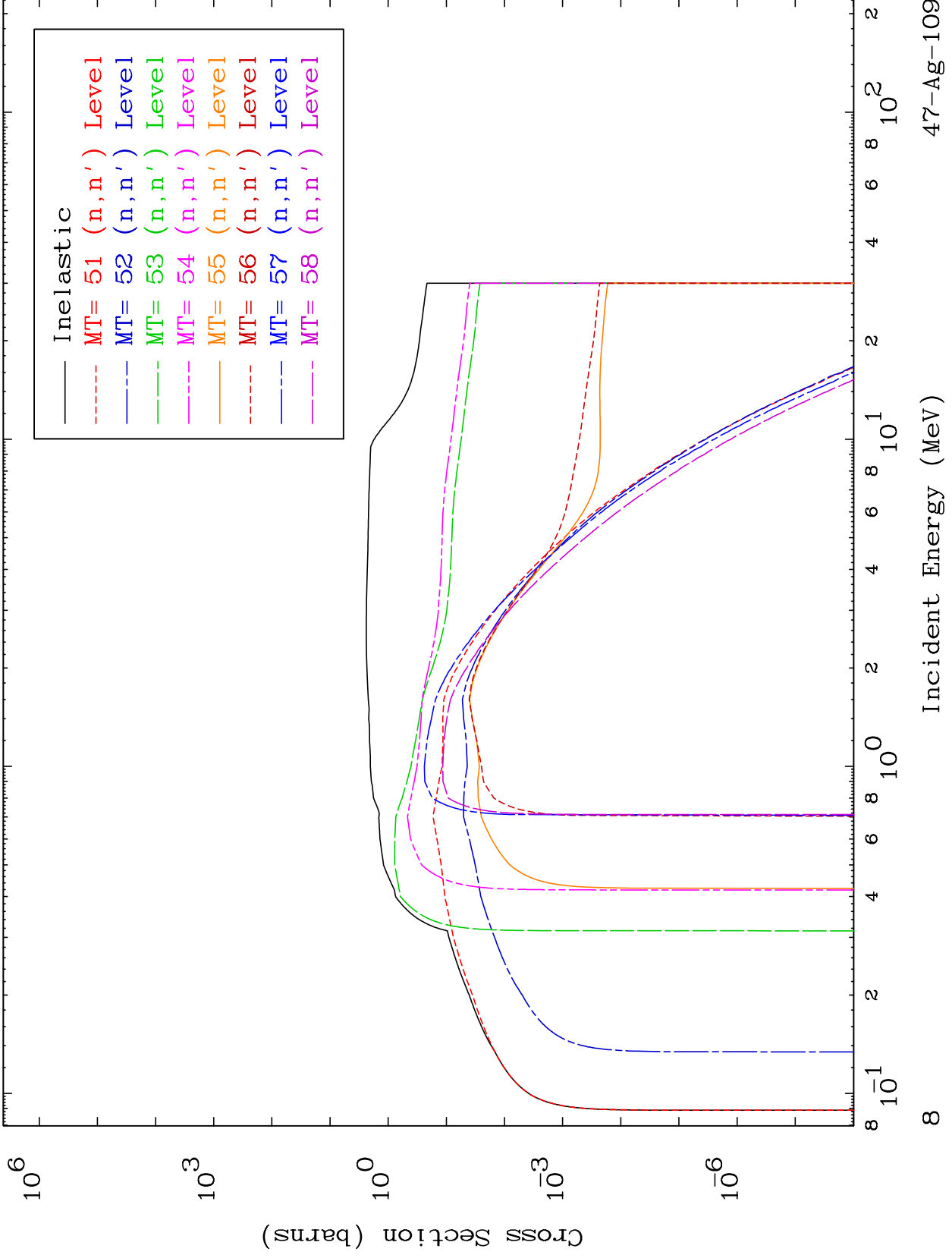


MAT 4731

(n,n') Levels

47-Ag-109

293 Kelvin Cross Sections



47-Ag-109

Incident Energy (MeV)

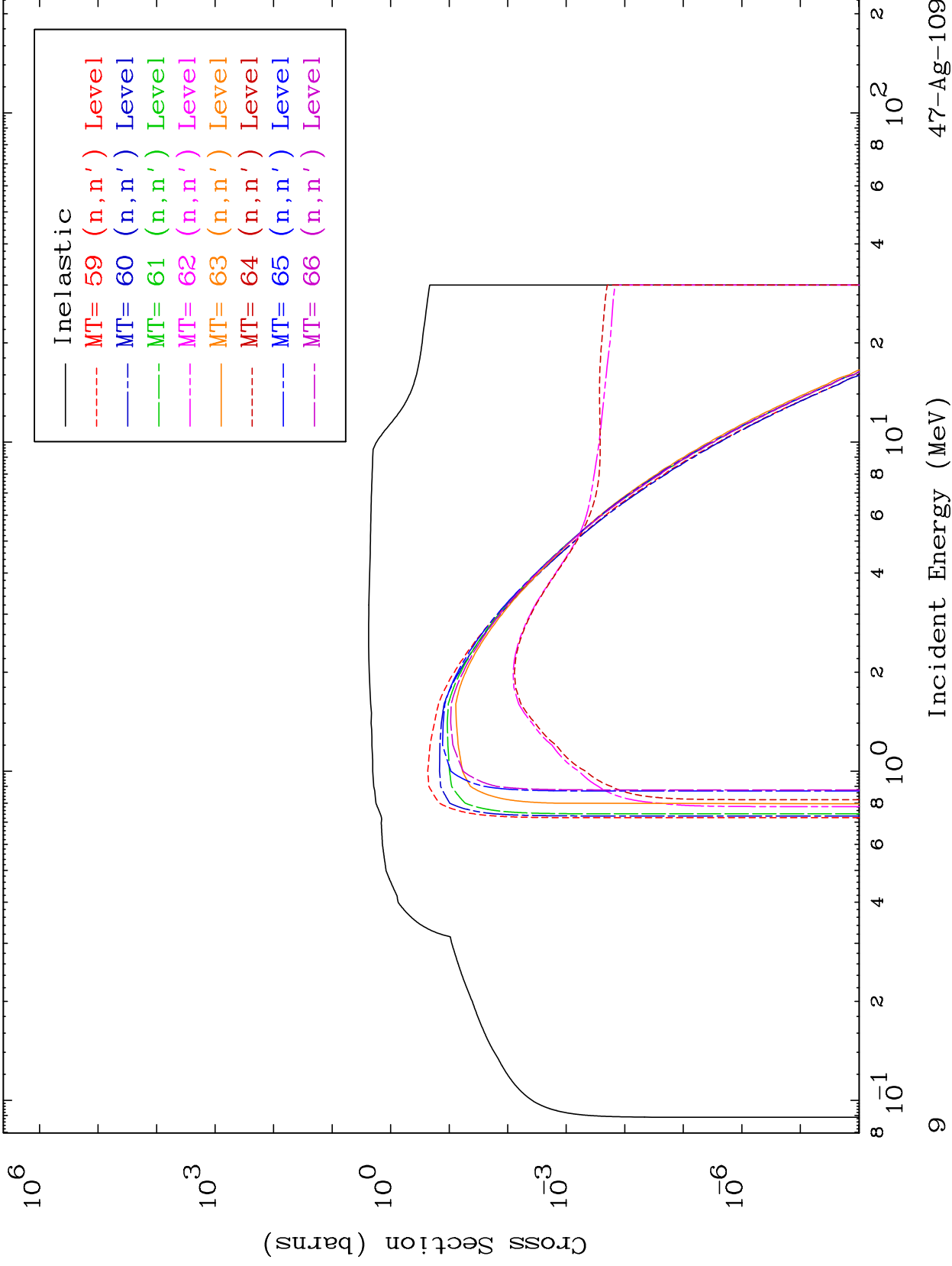
8

MAT 4731

(n,n') Levels

47-Ag-109

293 Kelvin Cross Sections



Incident Energy (MeV)

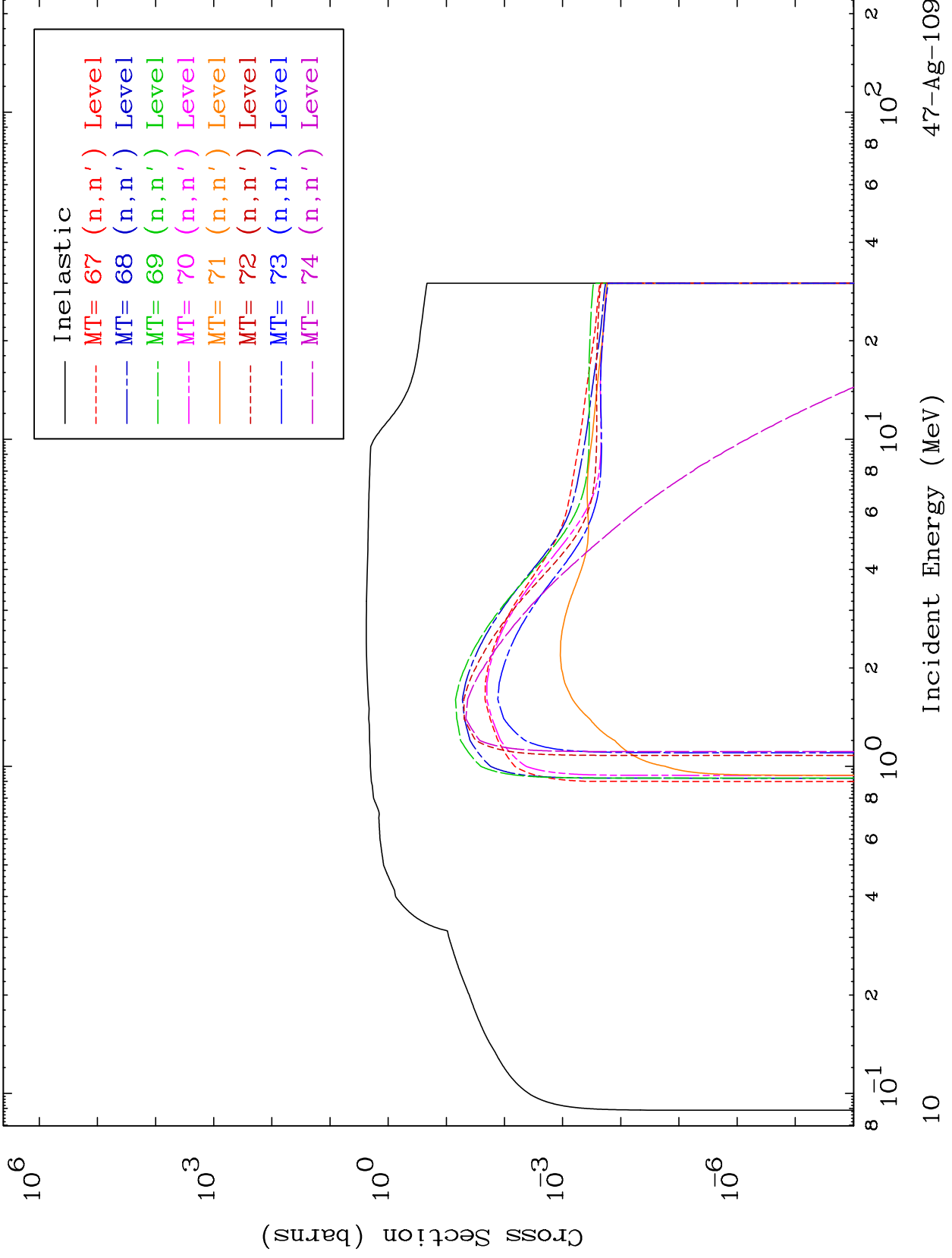
47-Ag-109

MAT 4731

(n,n') Levels

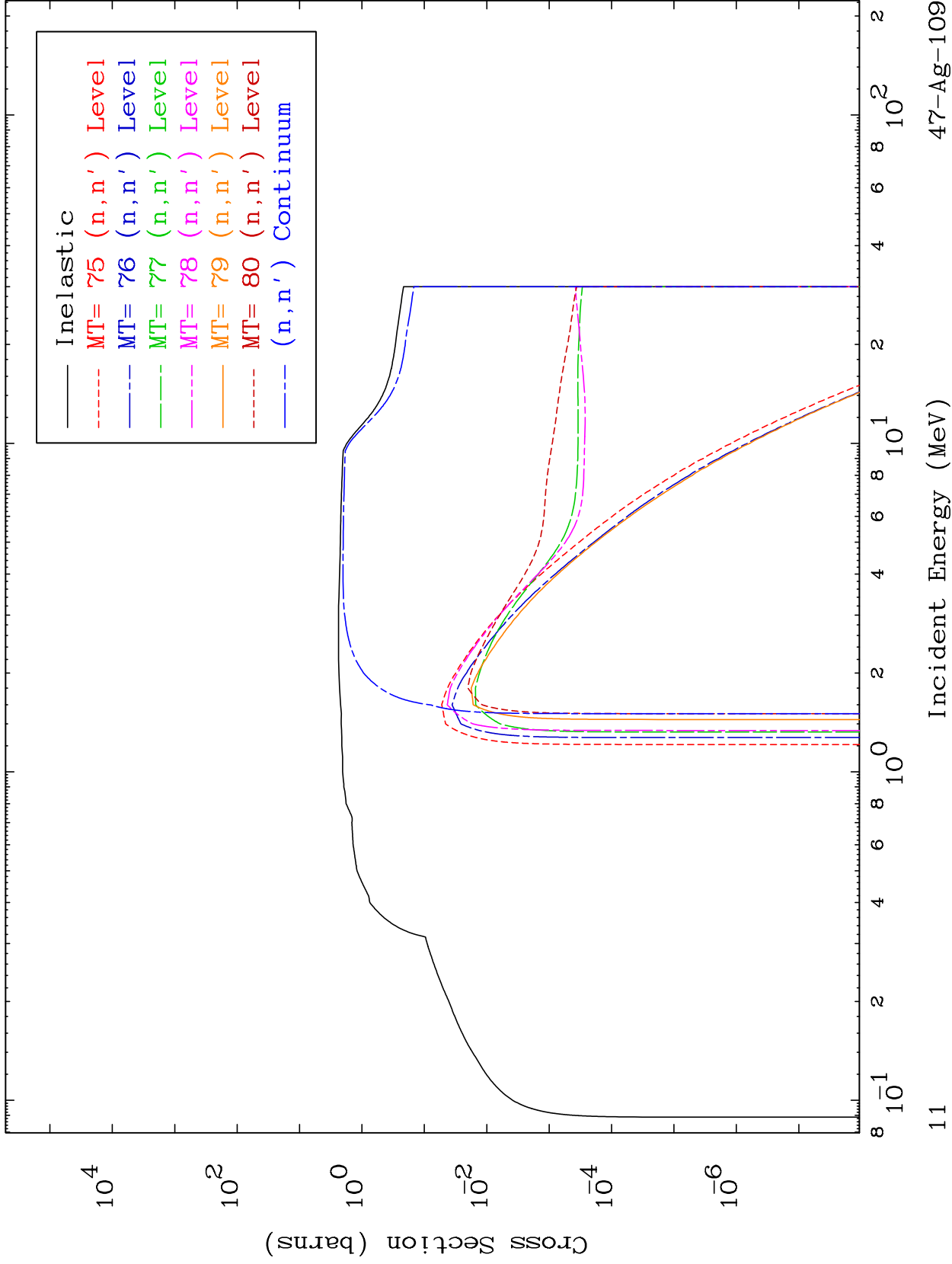
47-Ag-109

293 Kelvin Cross Sections



Incident Energy (MeV)

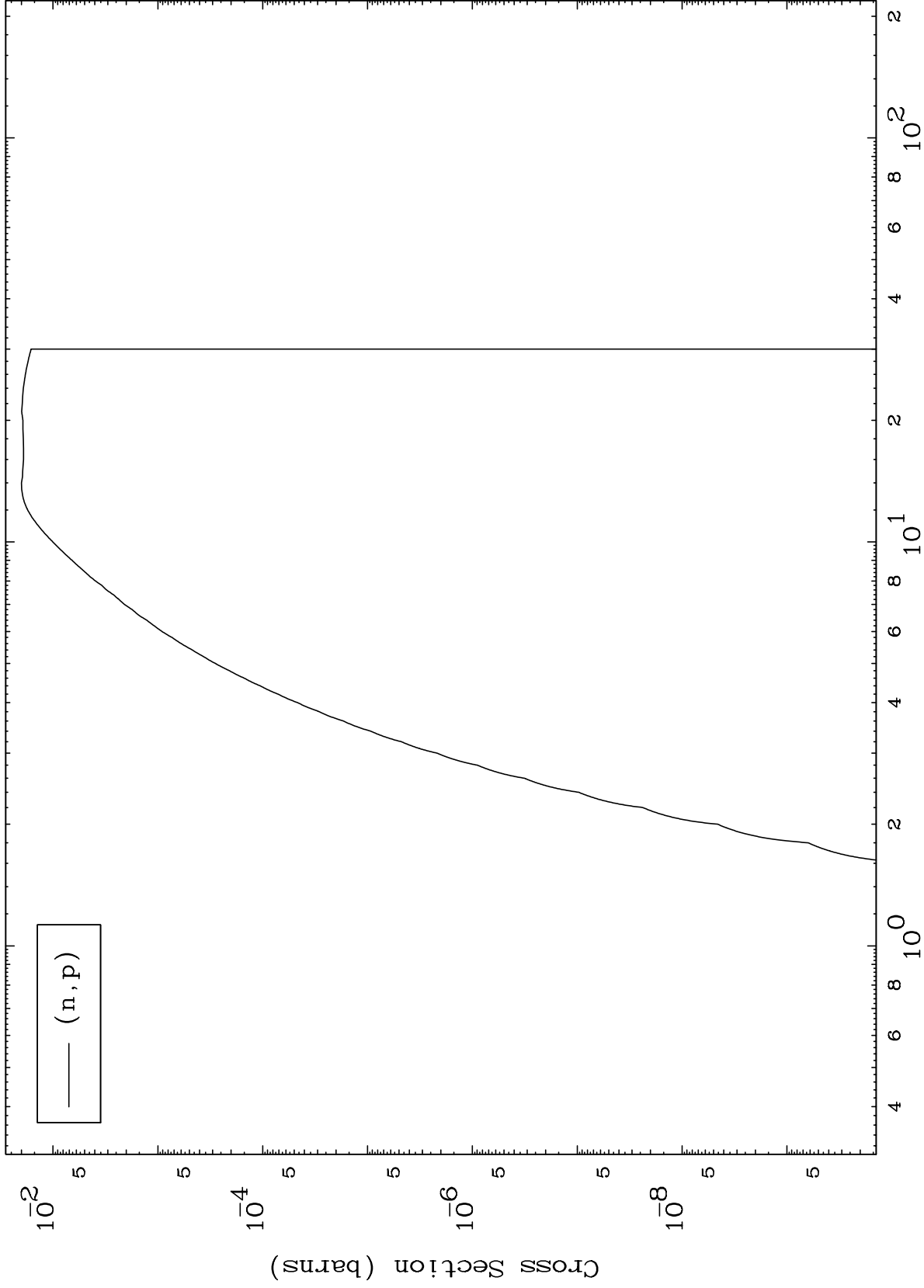
47-Ag-109



MAT 4731

(n,p) Levels  
293 Kelvin Cross Sections

47-Ag-109



12

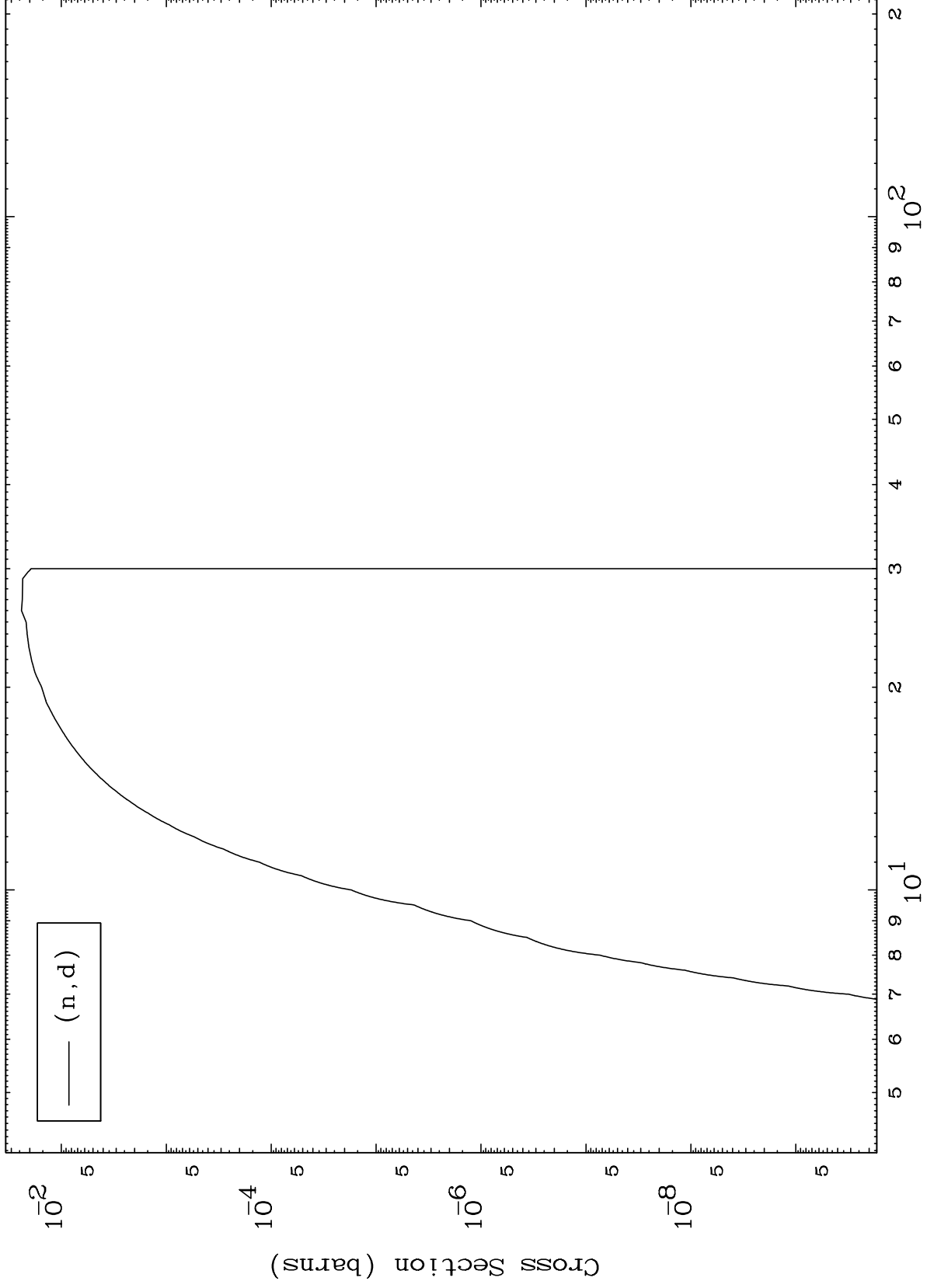
Incident Energy (MeV)

47-Ag-109

MAT 4731

(n,d) Levels  
293 Kelvin Cross Sections

47-Ag-109



13

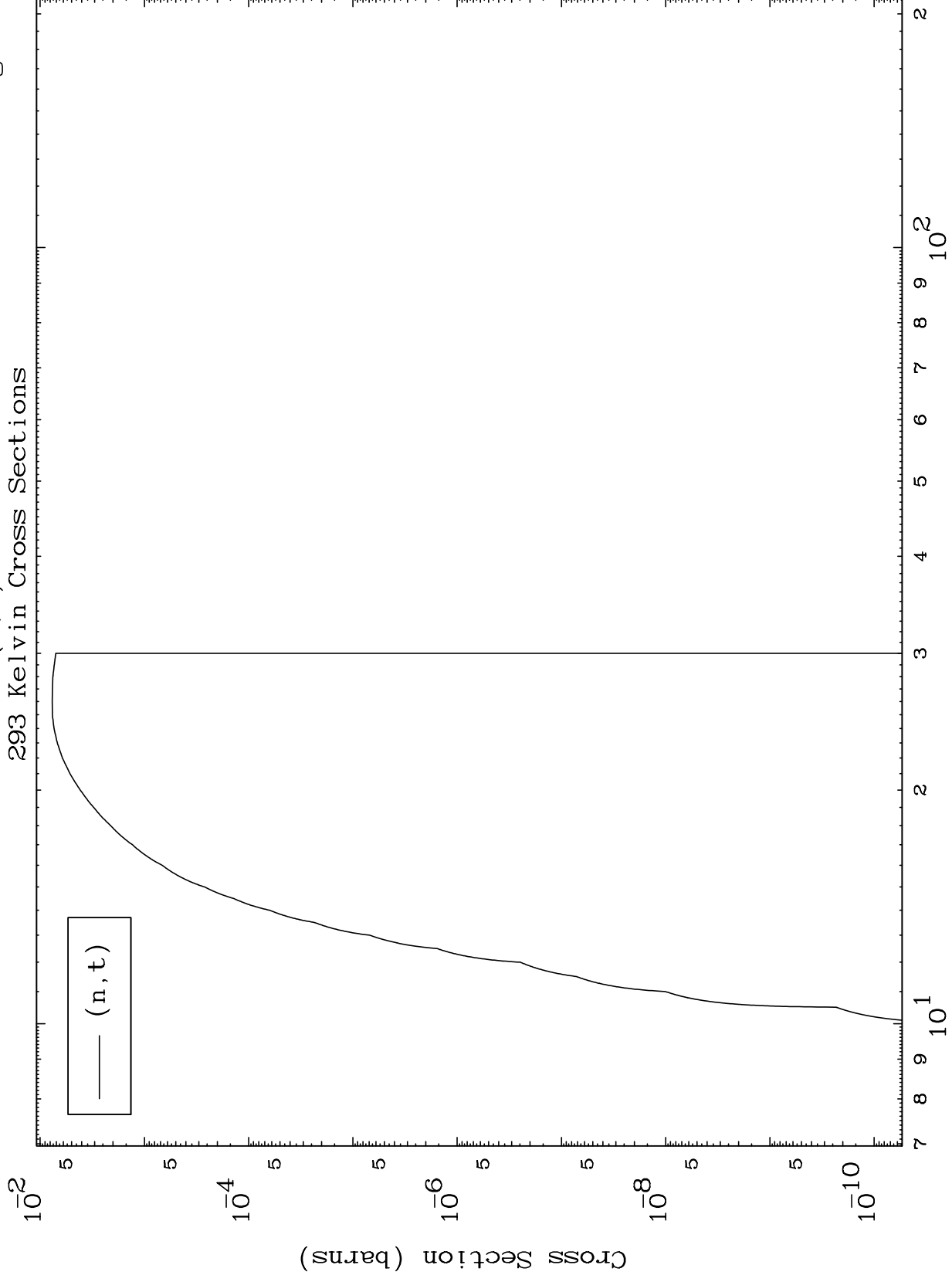
Incident Energy (MeV)

47-Ag-109

MAT 4731

(n,t) Levels  
293 Kelvin Cross Sections

47-Ag-109



14

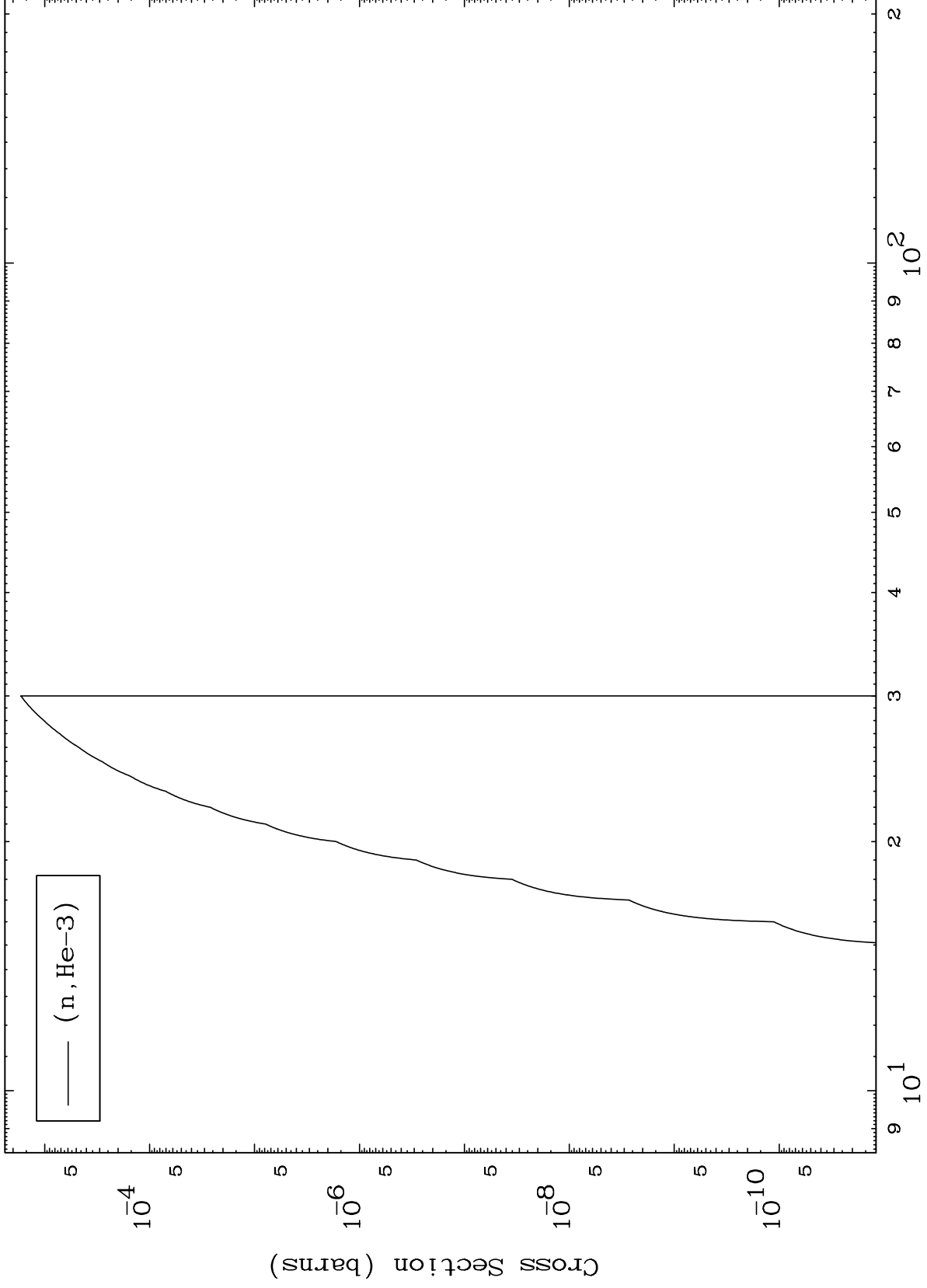
Incident Energy (MeV)

47-Ag-109

MAT 4731

(n,He3) Levels  
293 Kelvin Cross Sections

47-Ag-109



15

Incident Energy (MeV)

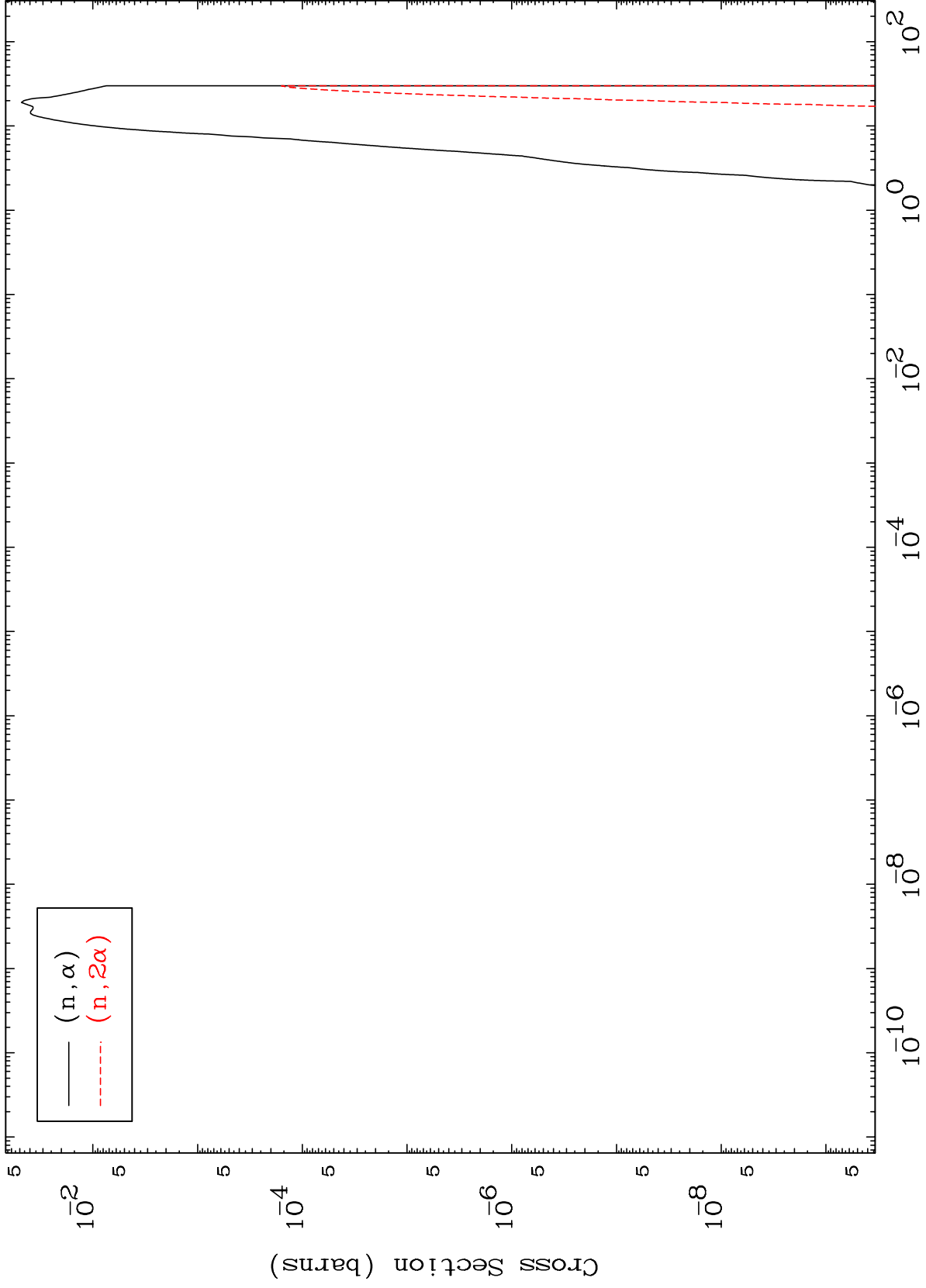
47-Ag-109



MAT 4731

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

47-Ag-109



16

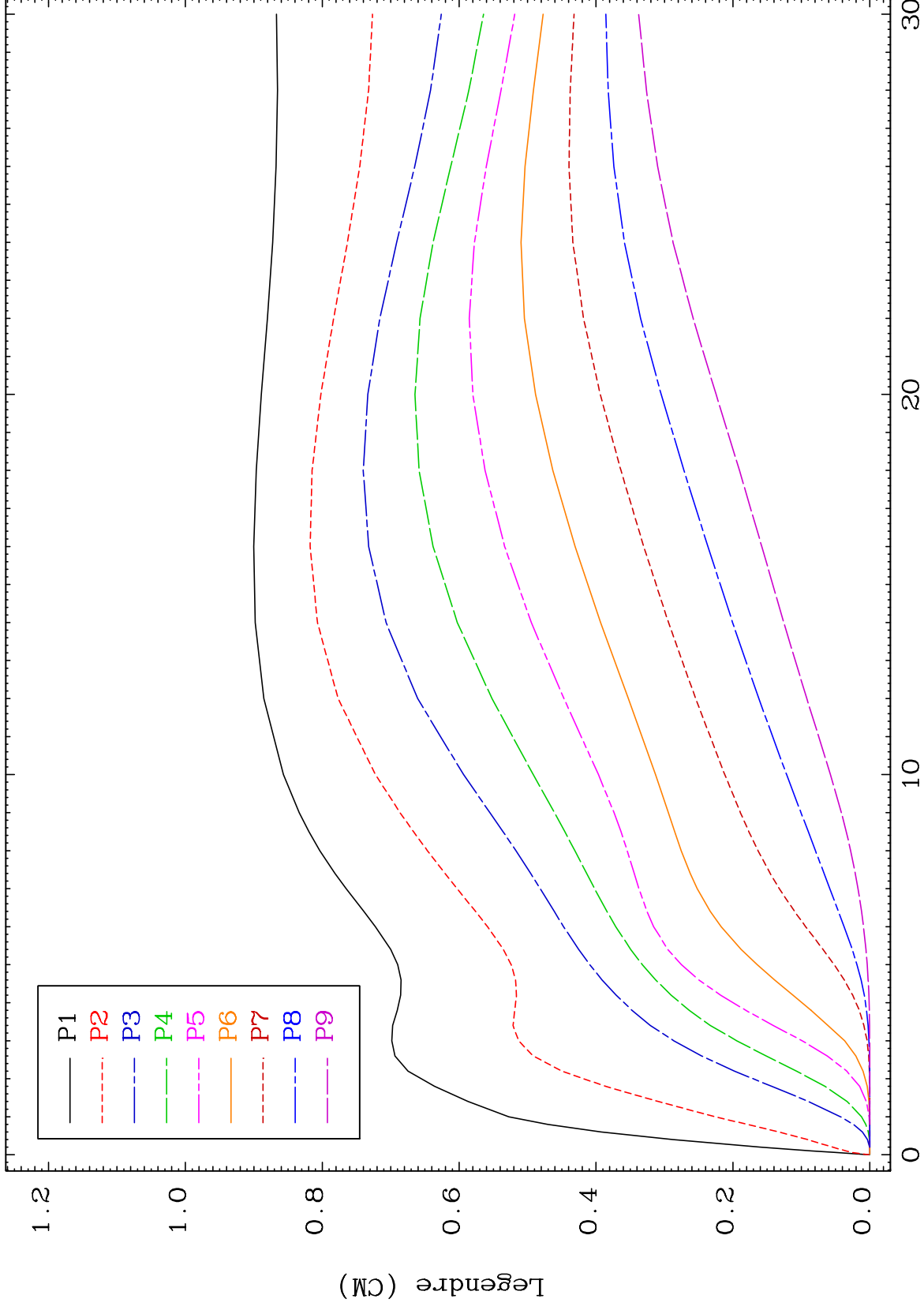
Incident Energy (MeV)

47-Ag-109

MAT 4731

Elastic Legendre Coefficients

47-Ag-109



17

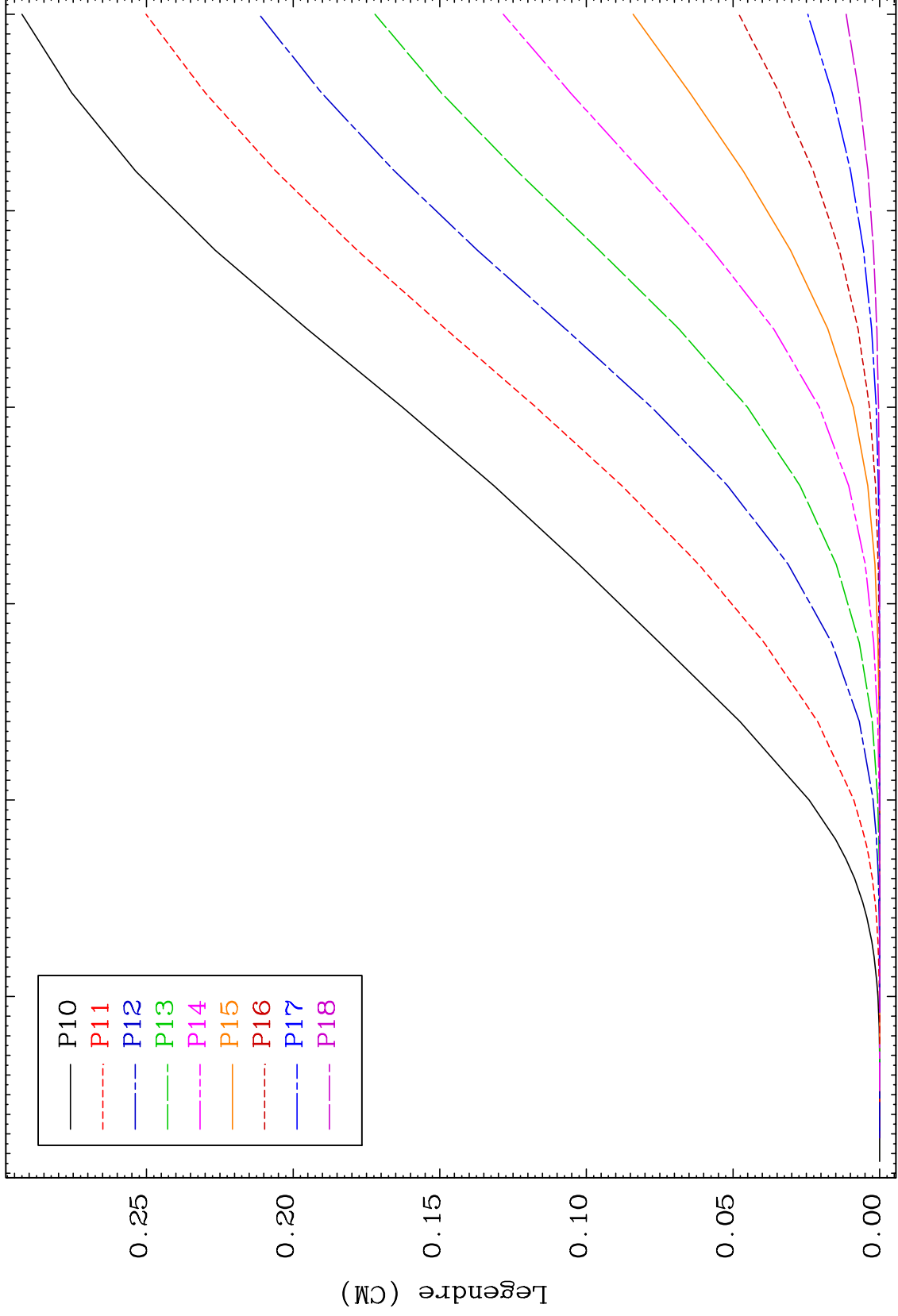
Incident Energy (MeV)

47-Ag-109

MAT 4731

Elastic Legendre Coefficients

47-Ag-109



18

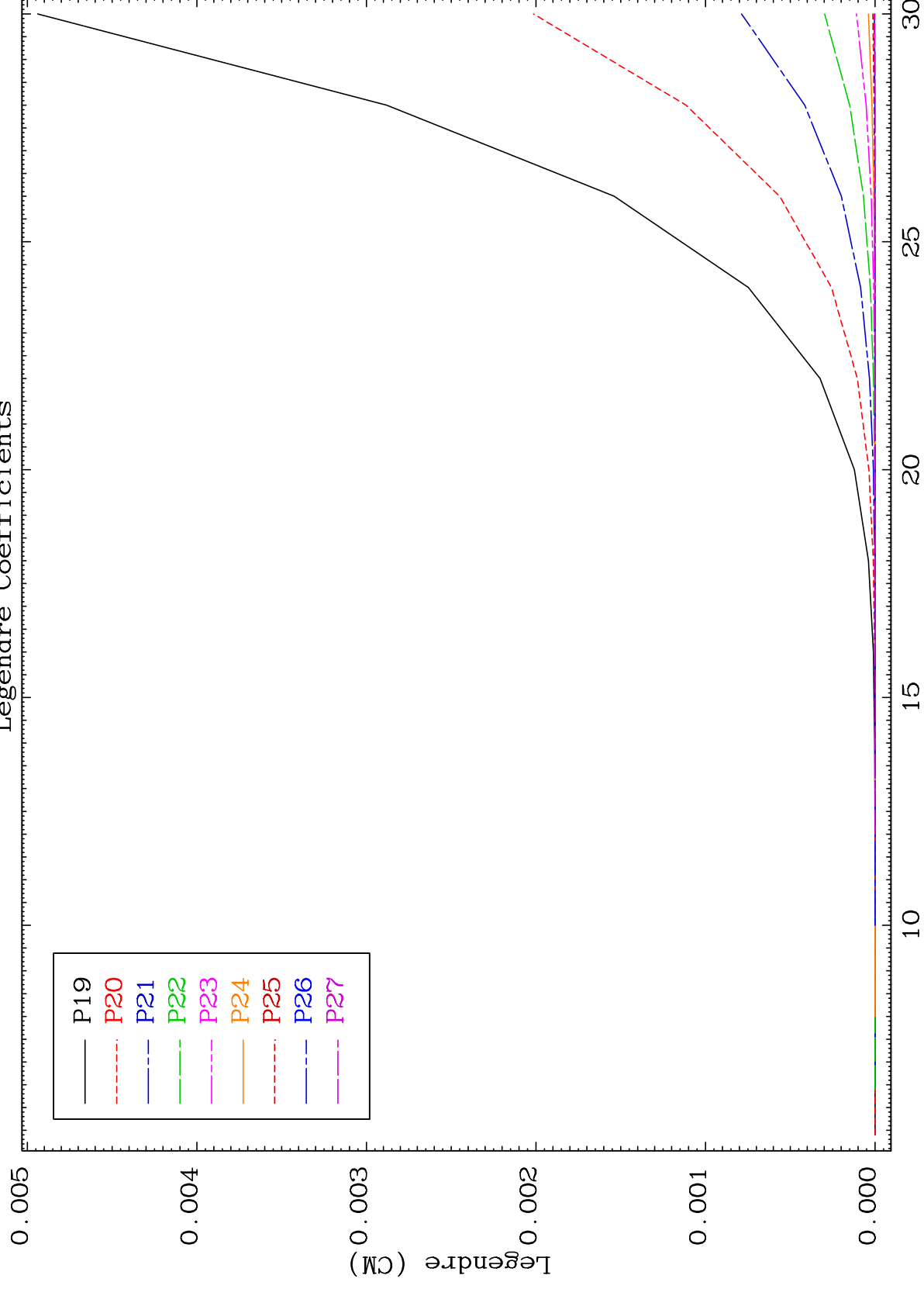
Incident Energy (MeV)

47-Ag-109

MAT 4731

Elastic  
Legendre Coefficients

47-Ag-109



19

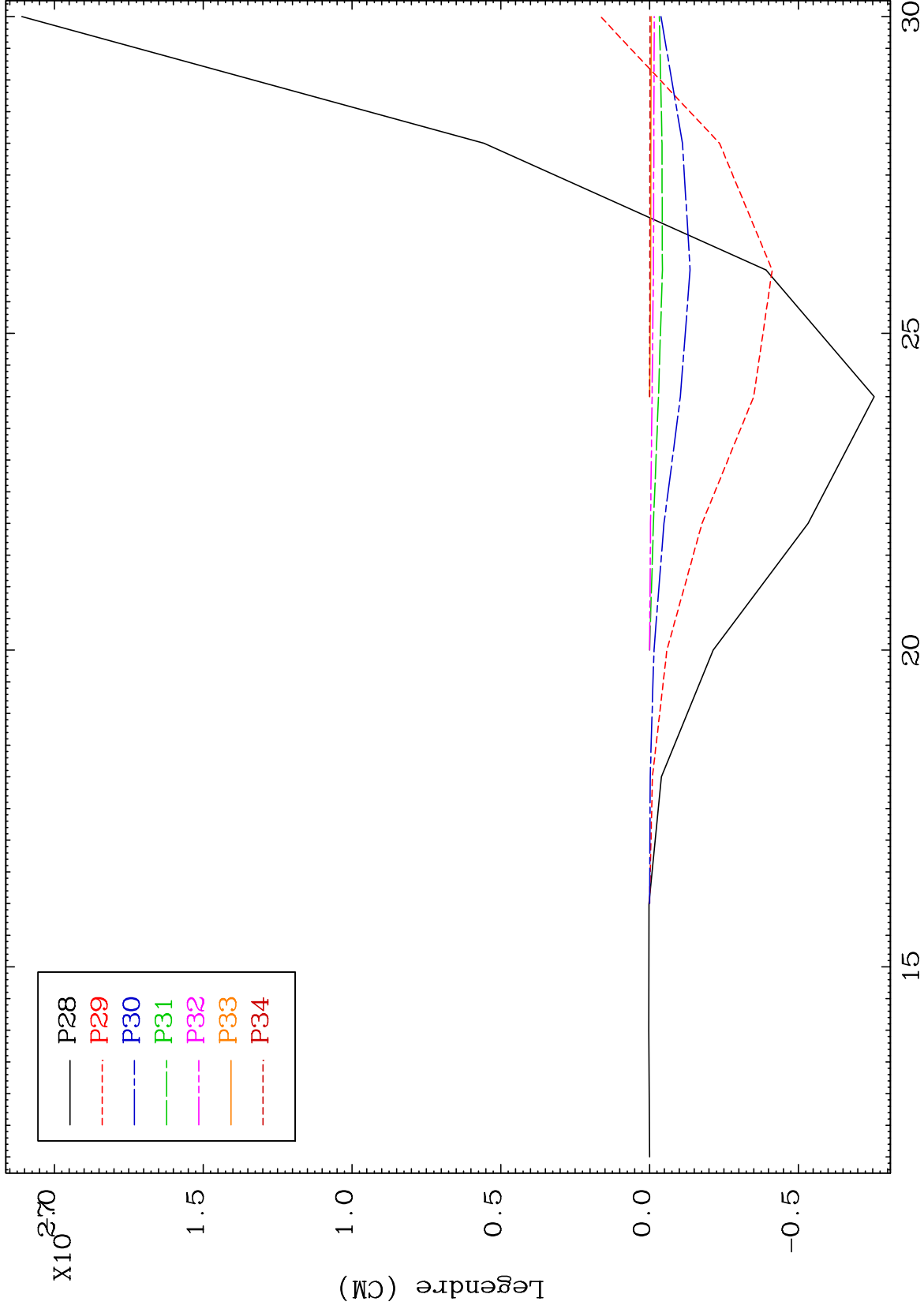
Incident Energy (MeV)

47-Ag-109

MAT 4731

Elastic  
Legendre Coefficients

47-Ag-109



20

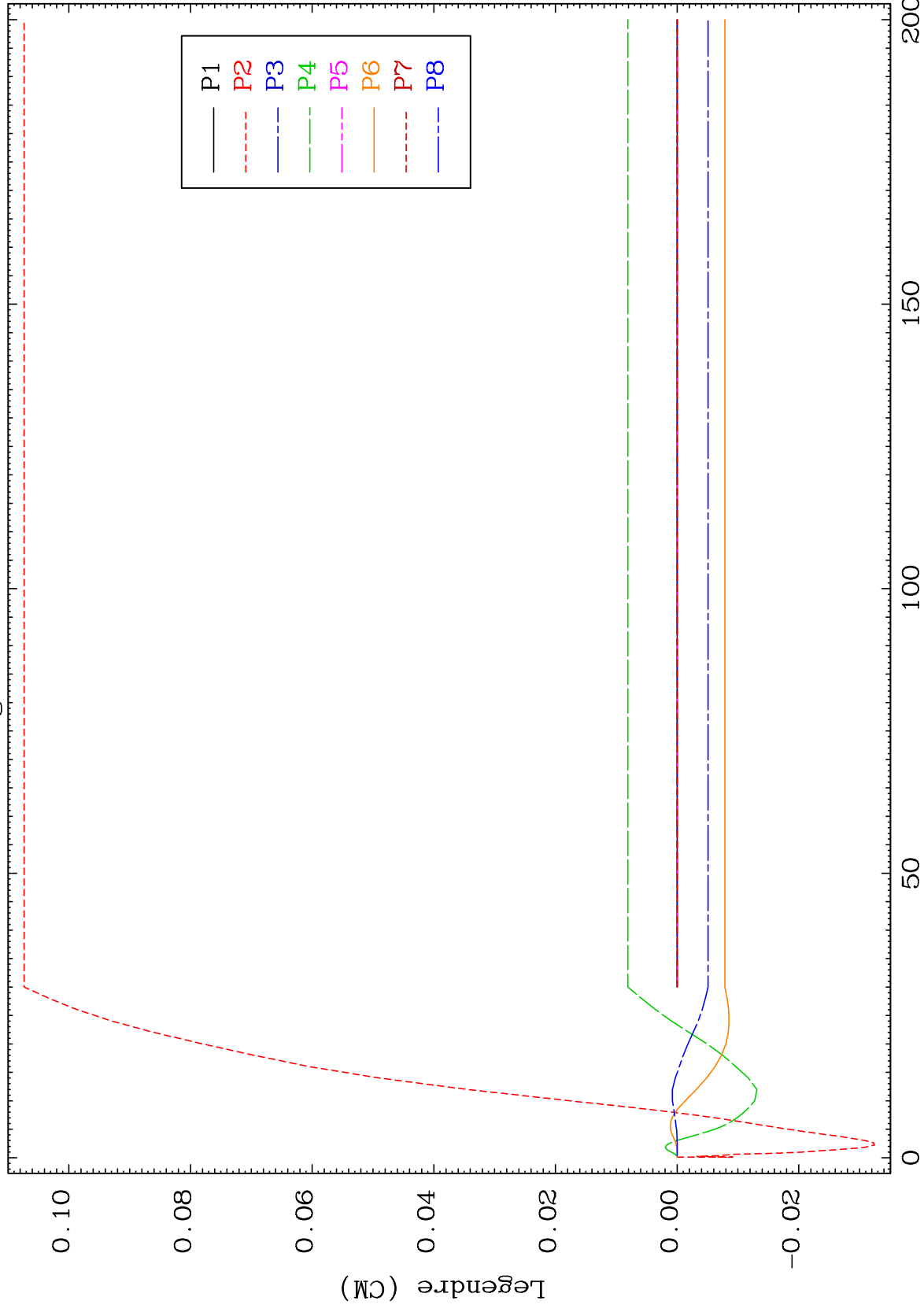
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



47-Ag-109

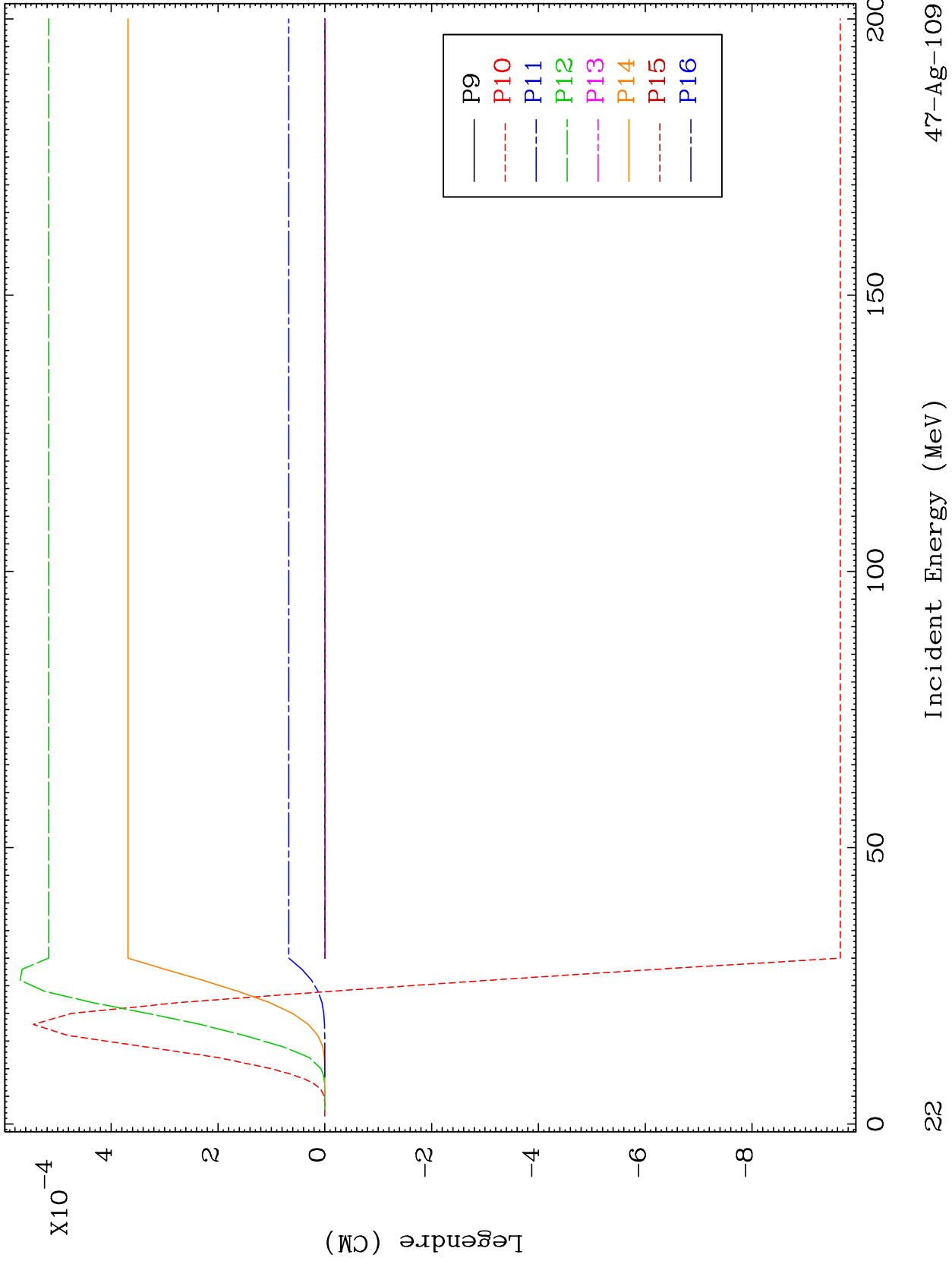
Incident Energy (MeV)

21

MAT 4731

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

47-Ag-109



47-Ag-109

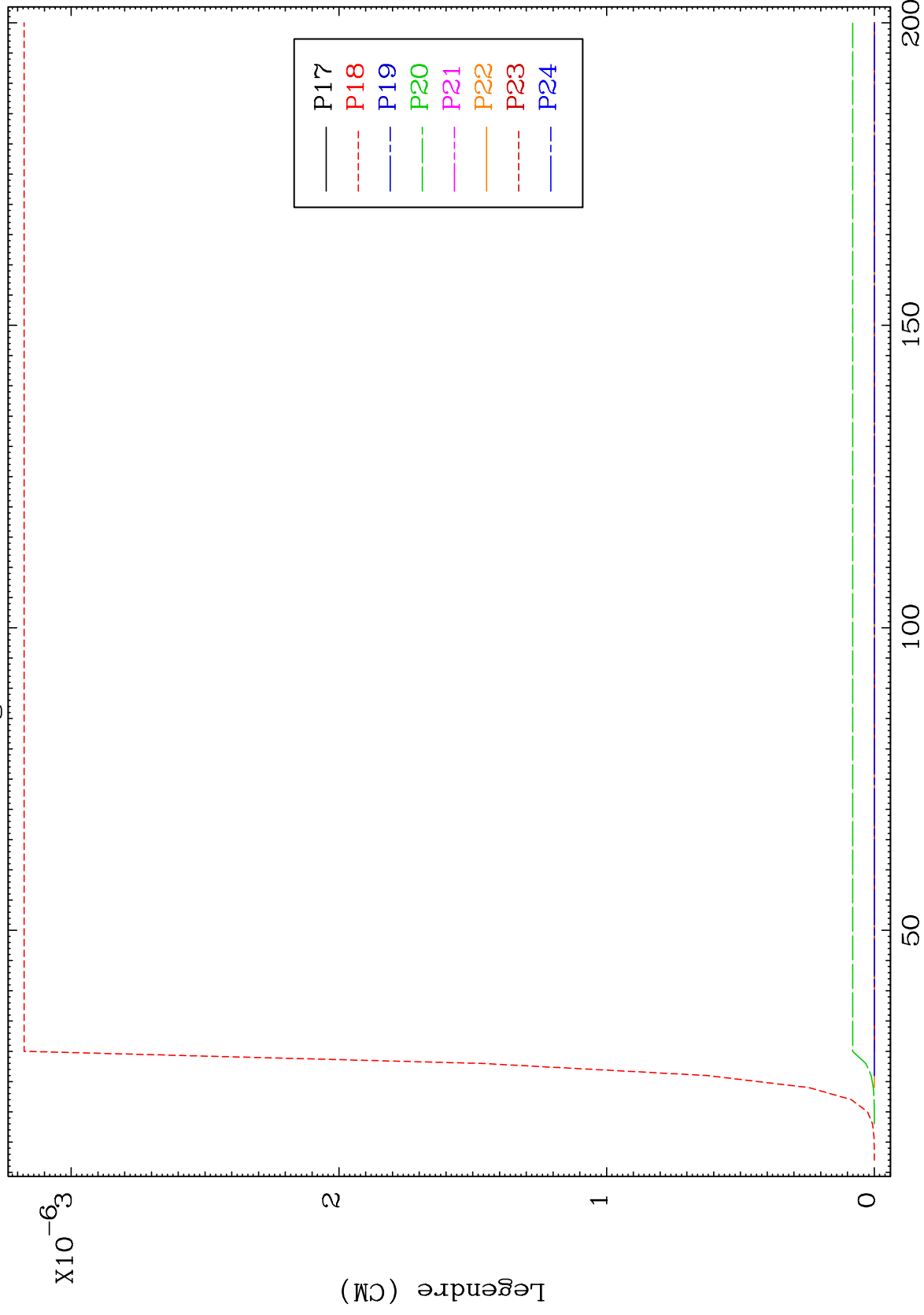
Incident Energy (MeV)

22

MAT 4731

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

47-Ag-109



23

Incident Energy (MeV)

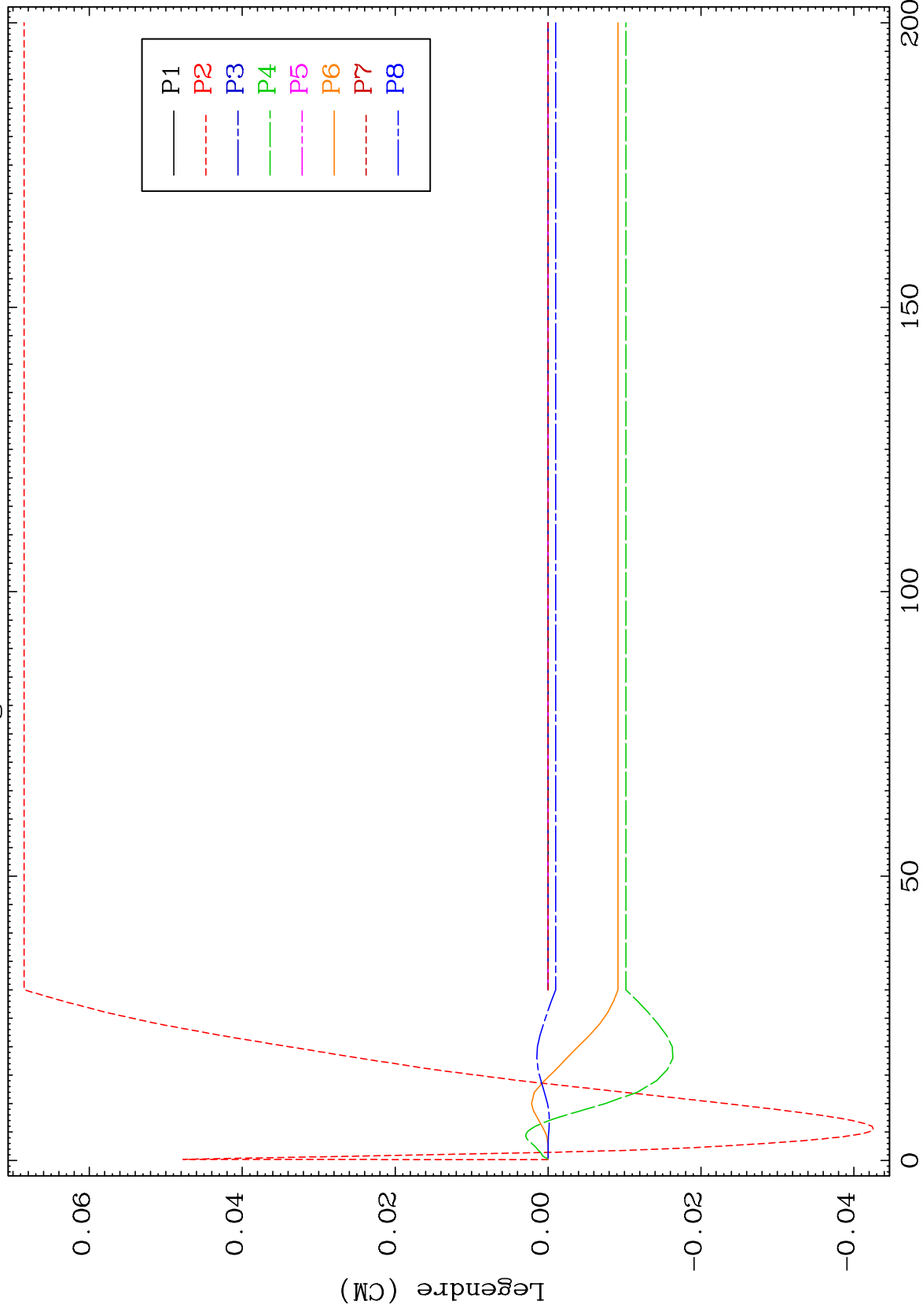
47-Ag-109



MAT 4731

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

47-Ag-109



24

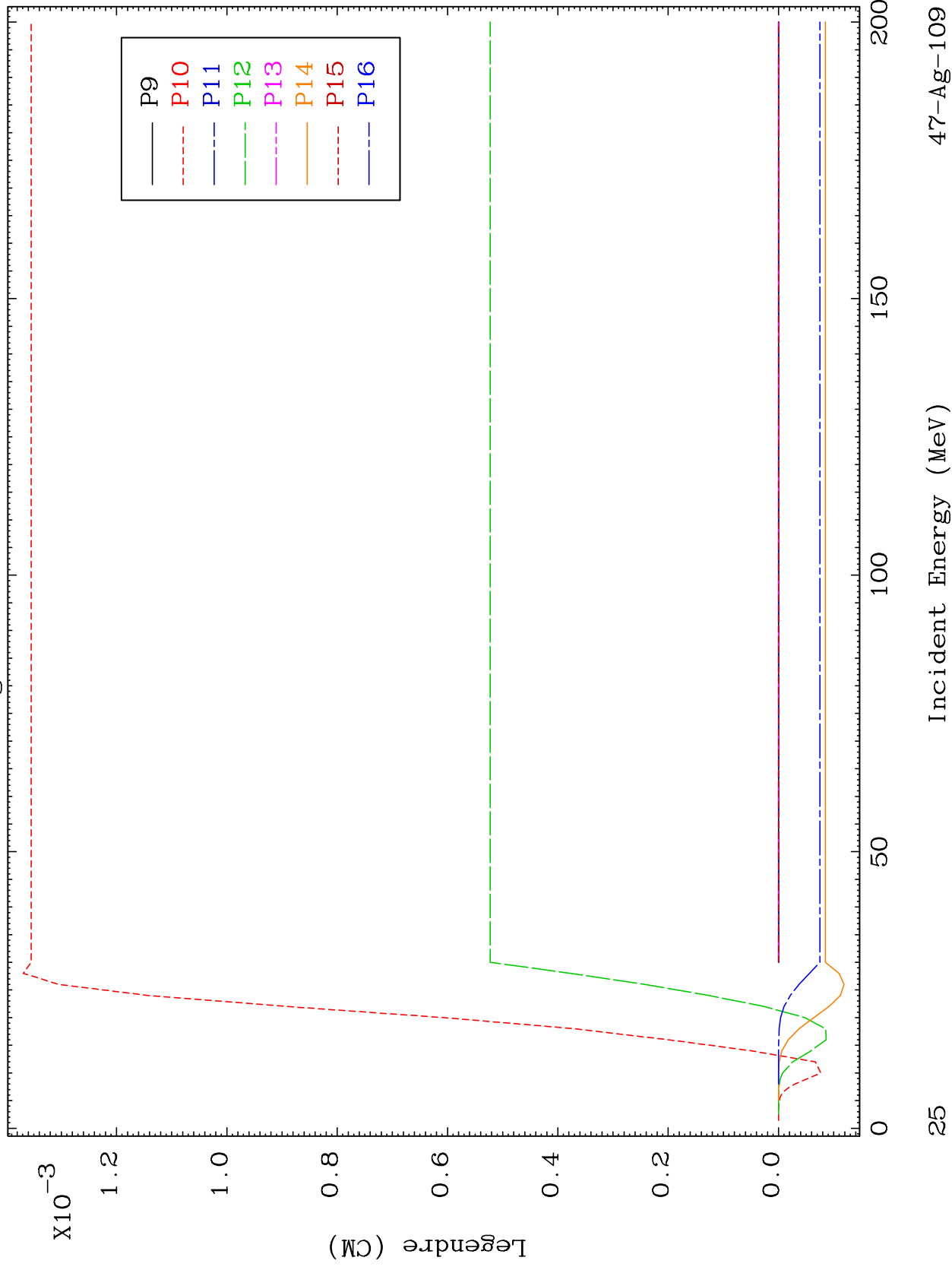
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

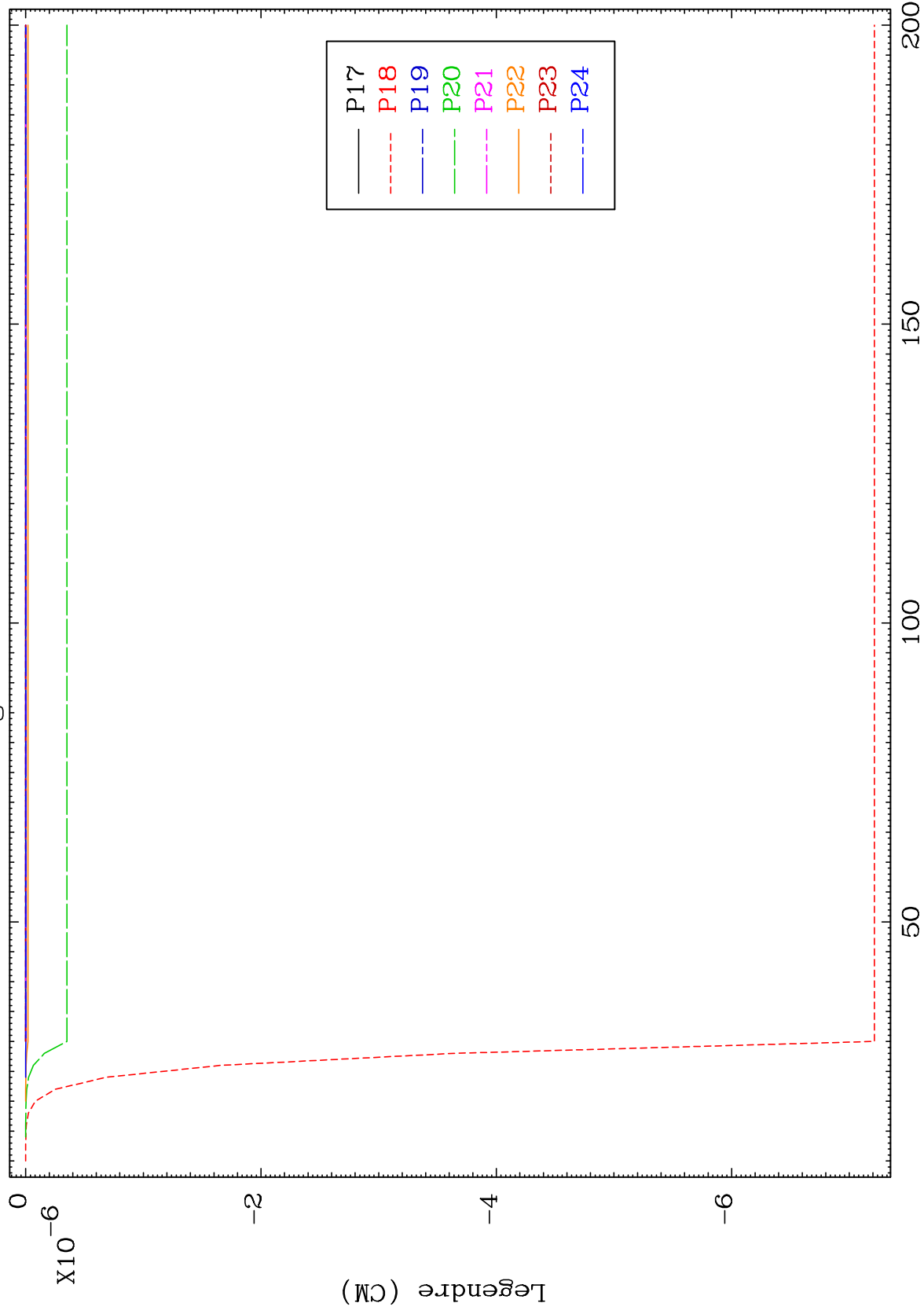
47-Ag-109



MAT 4731

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

47-Ag-109



26

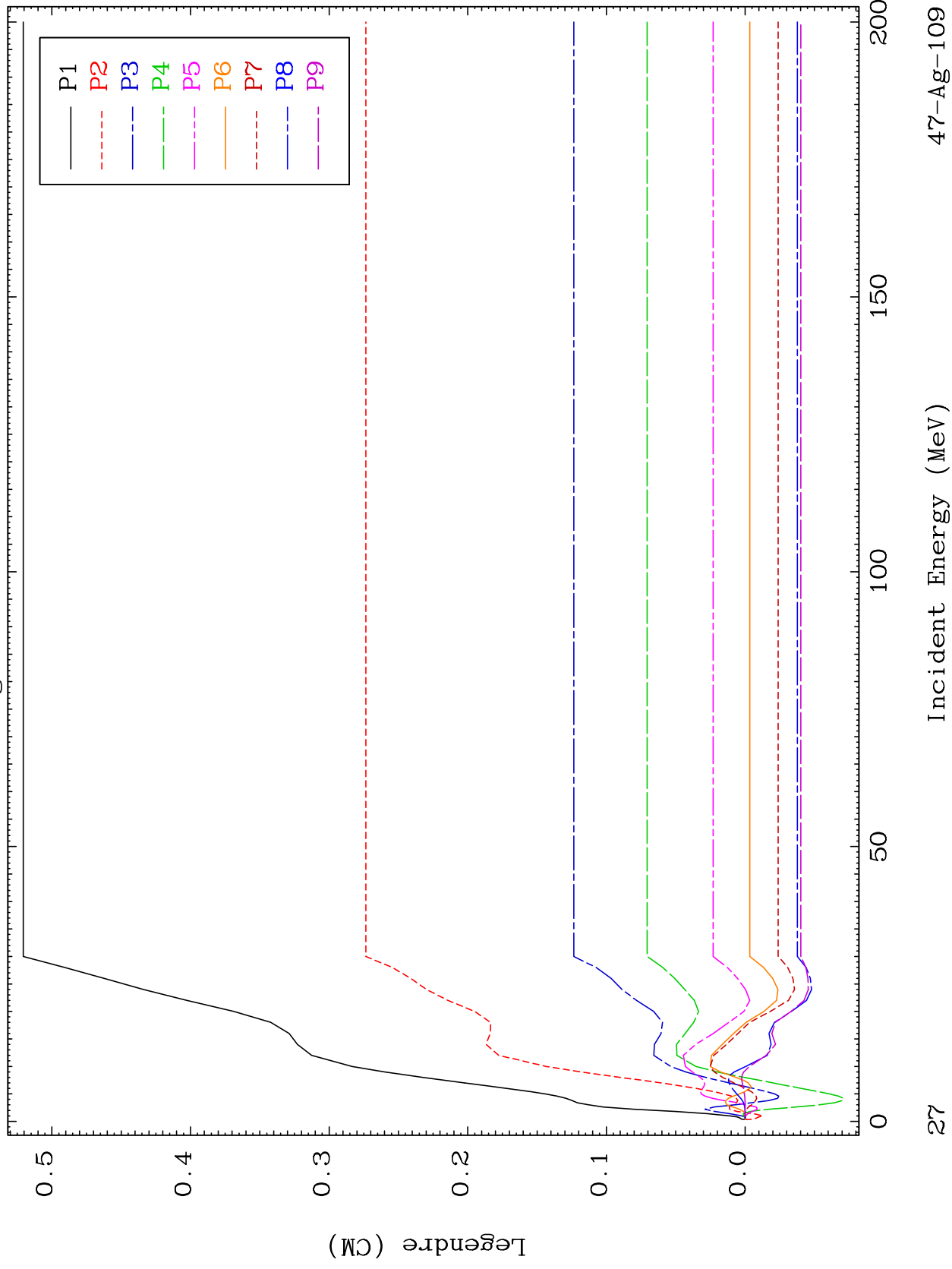
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



27

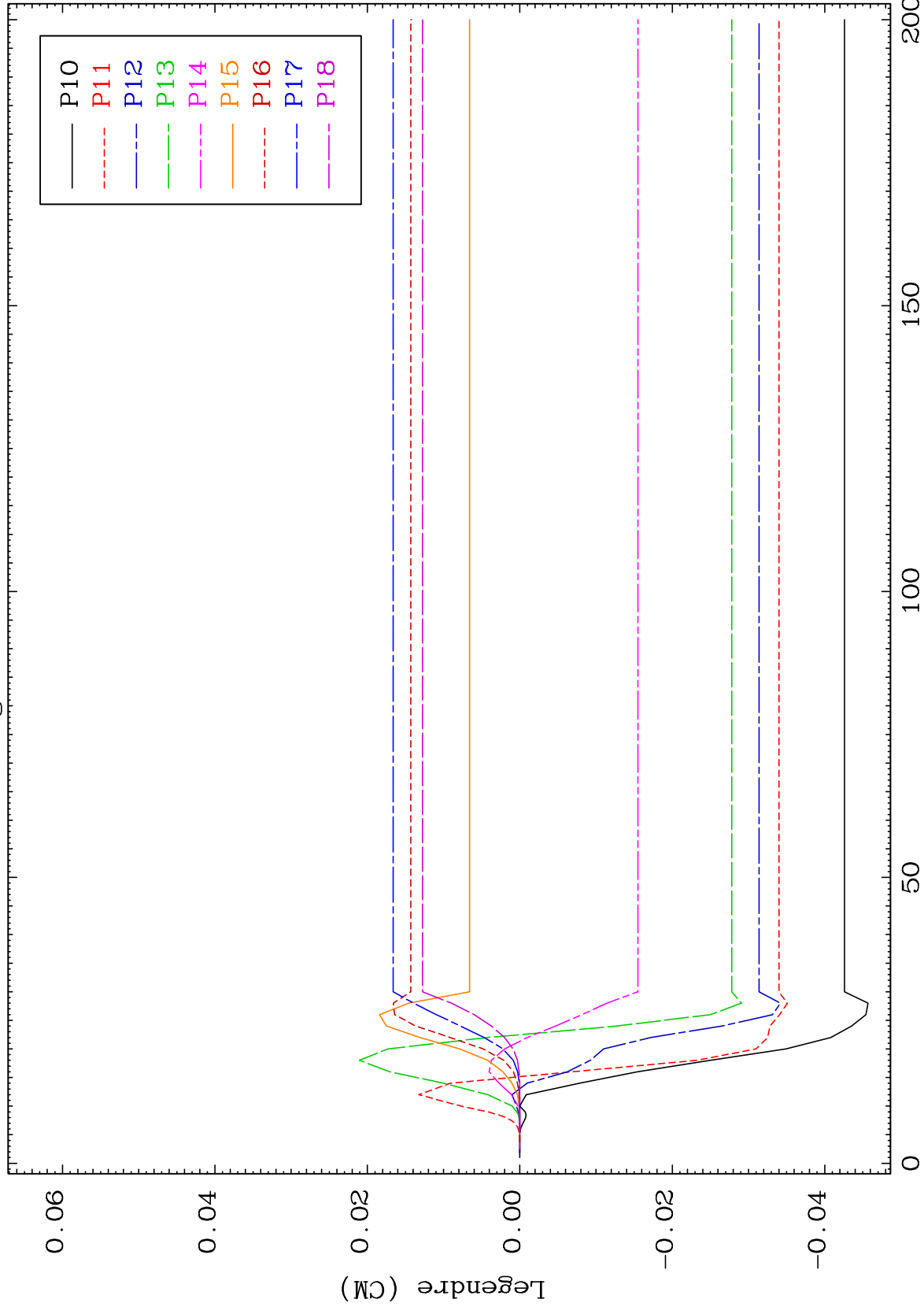
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



28

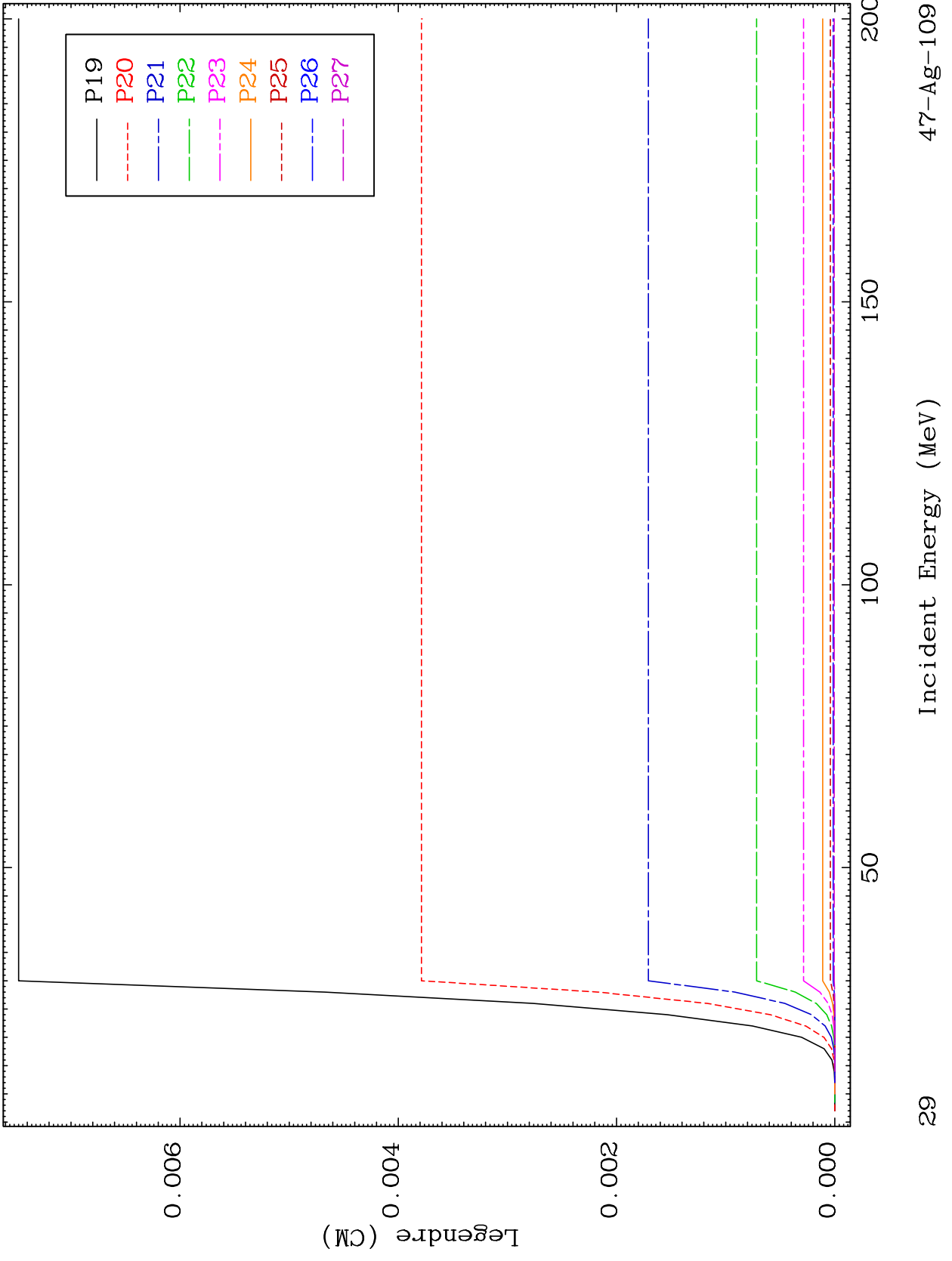
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



29

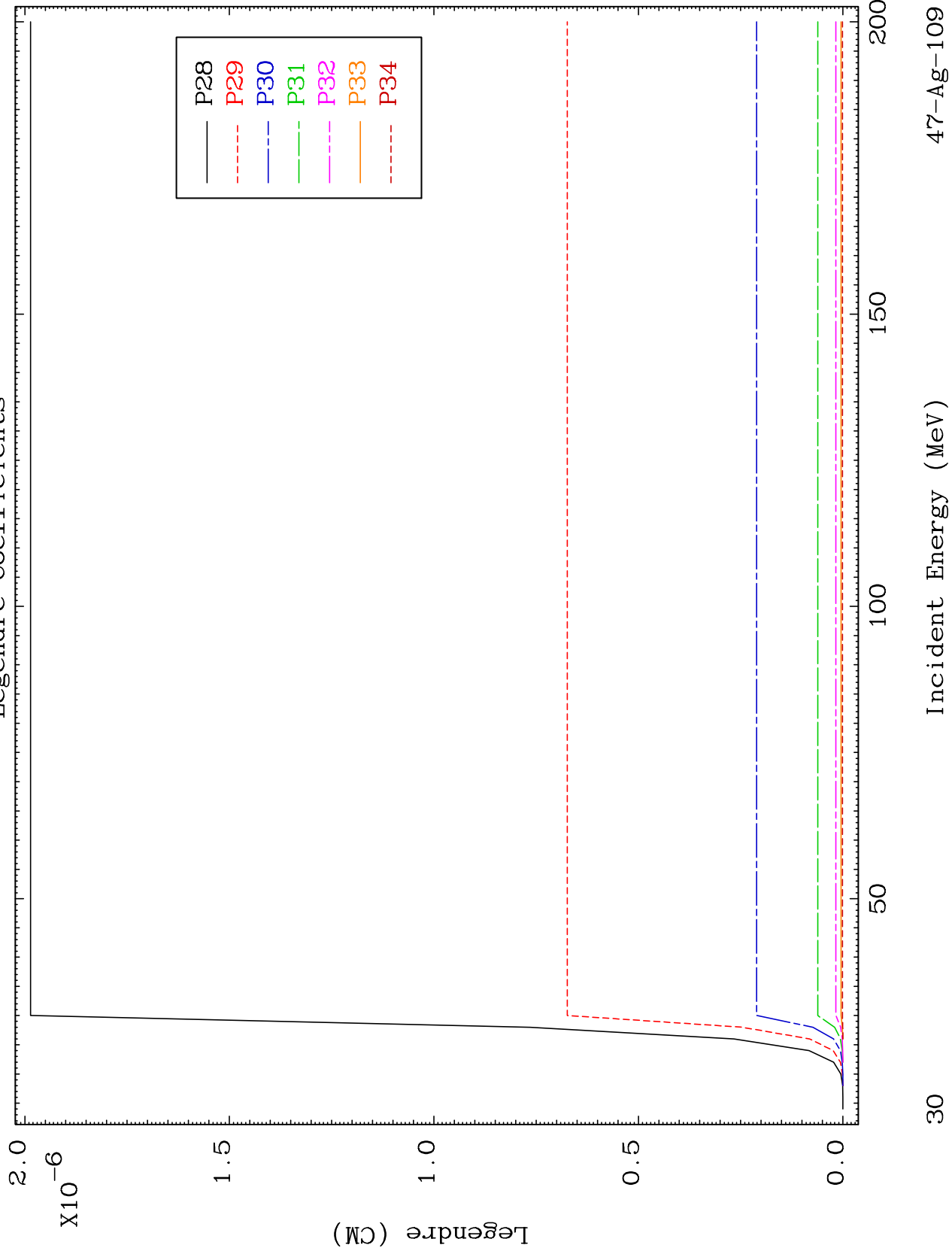
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



47-Ag-109

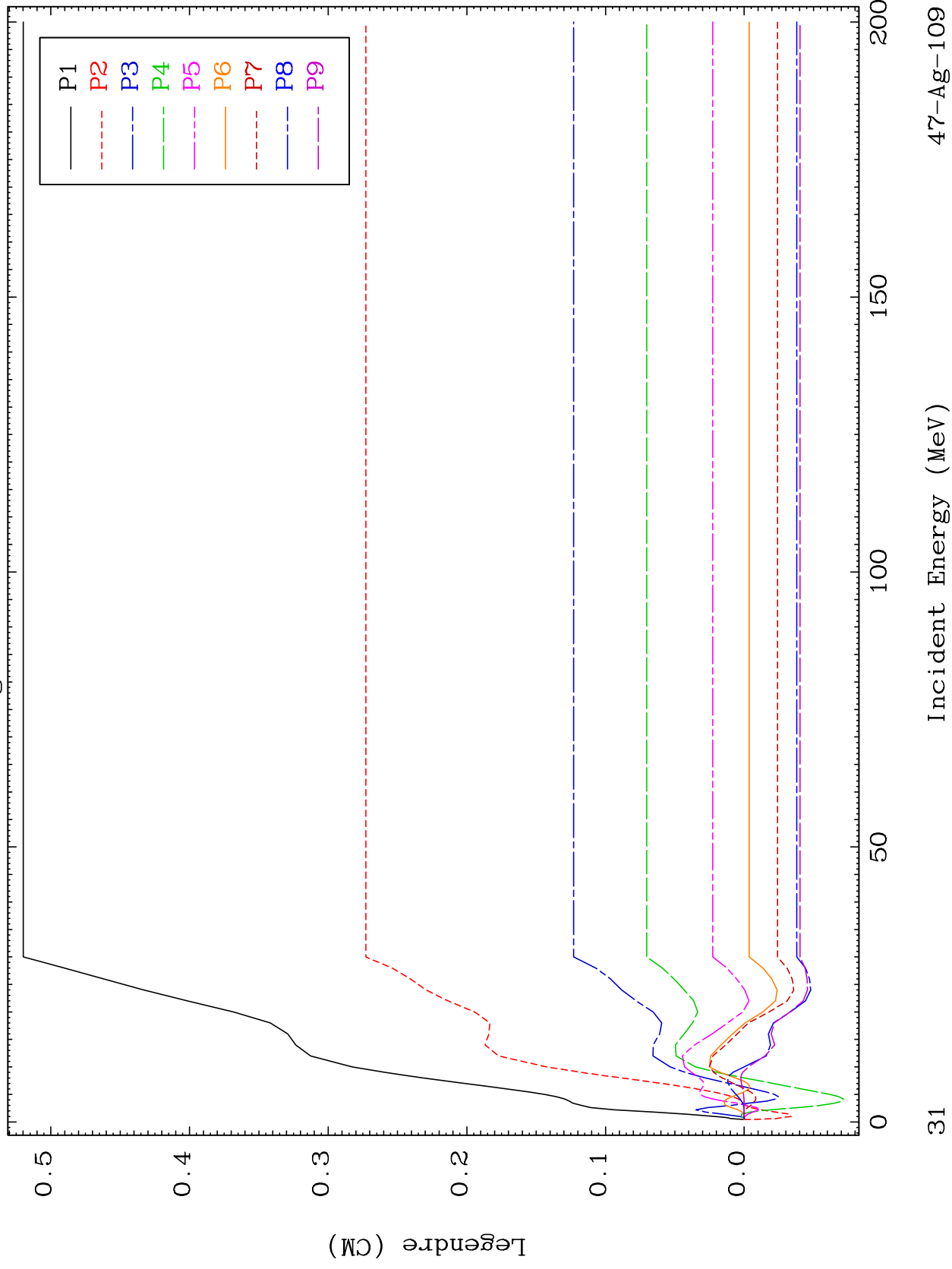
Incident Energy (MeV)

30

MAT 4731

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

47-Ag-109



31

Incident Energy (MeV)

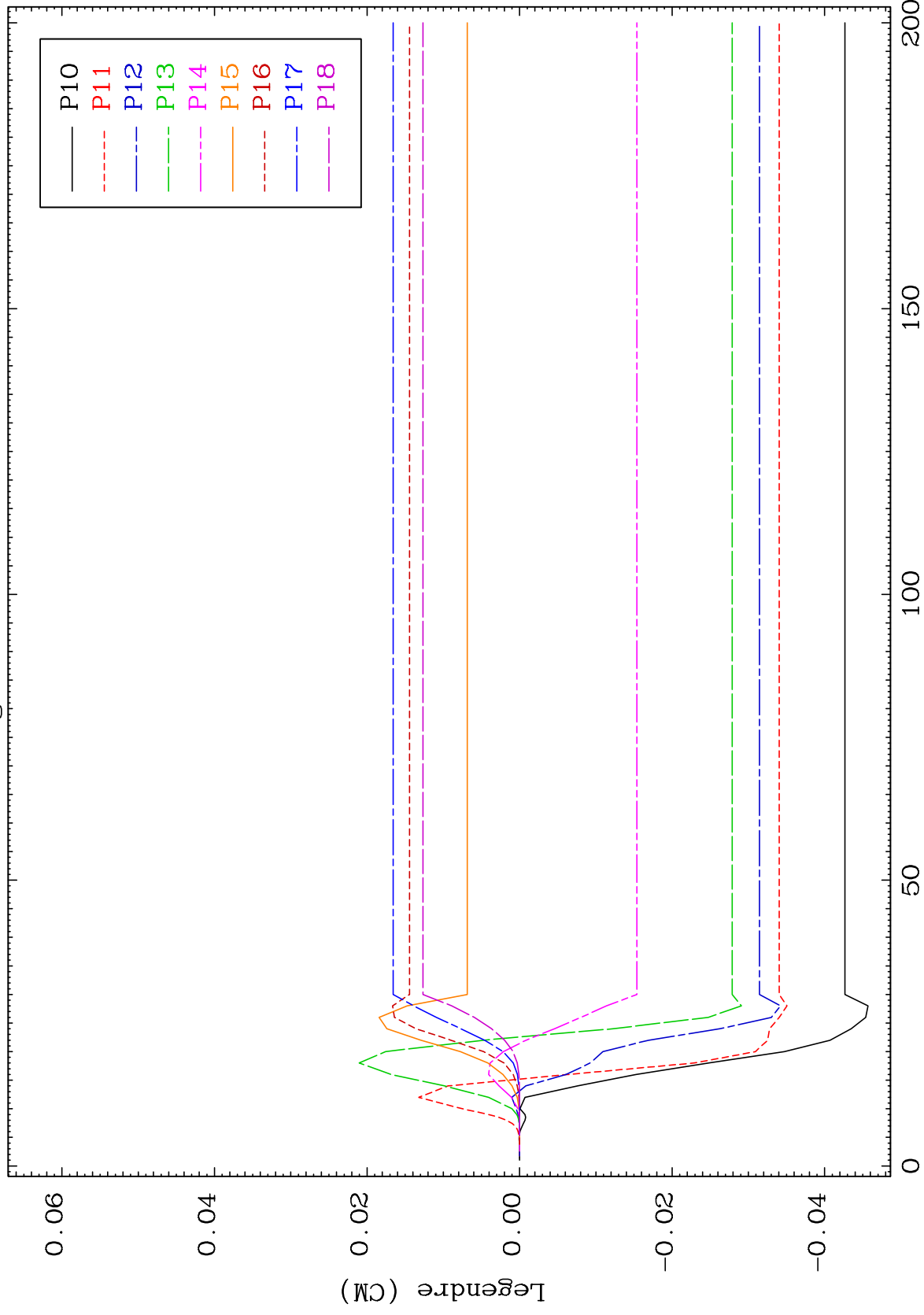
47-Ag-109



MAT 4731

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

47-Ag-109



32

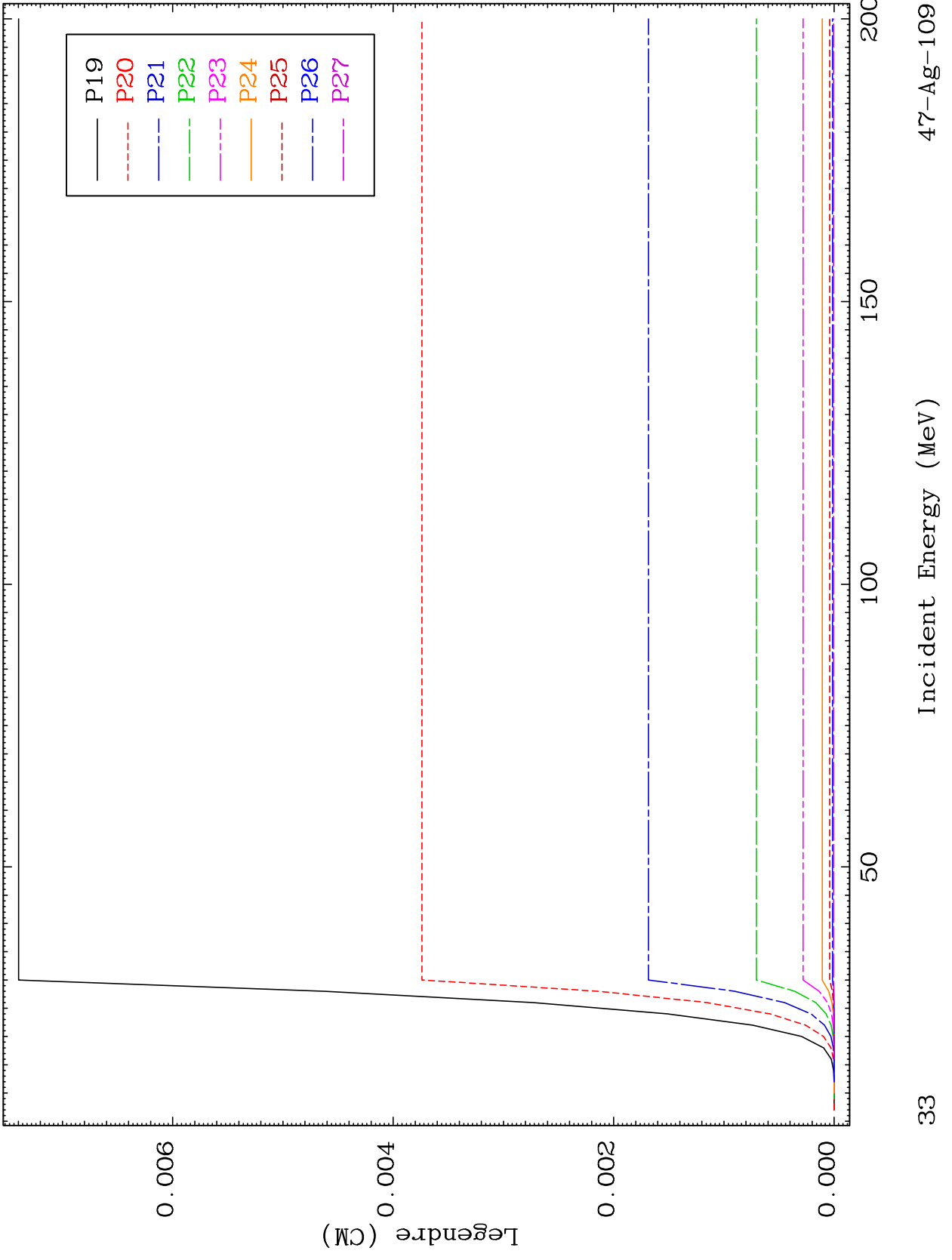
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



33

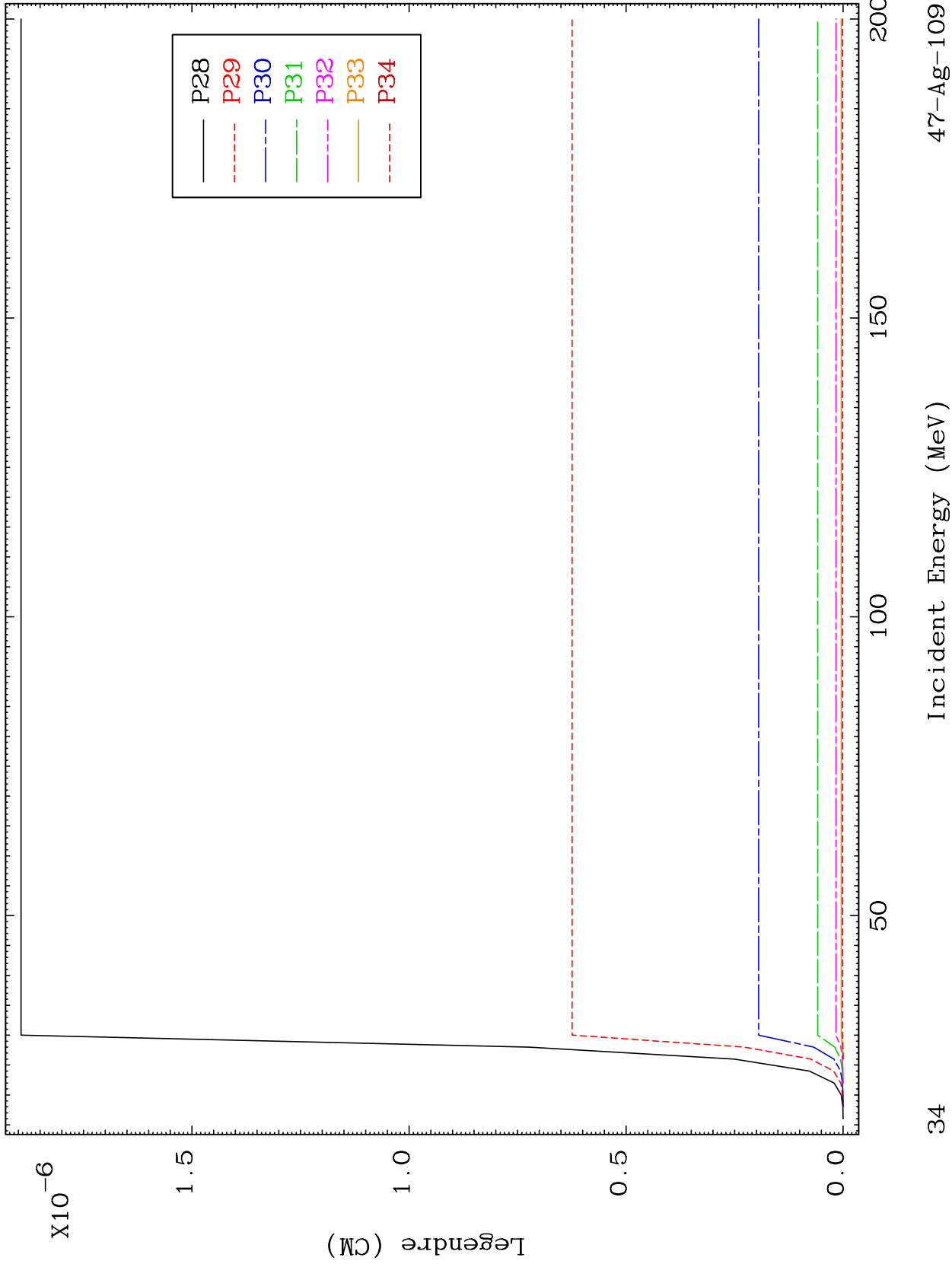
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



34

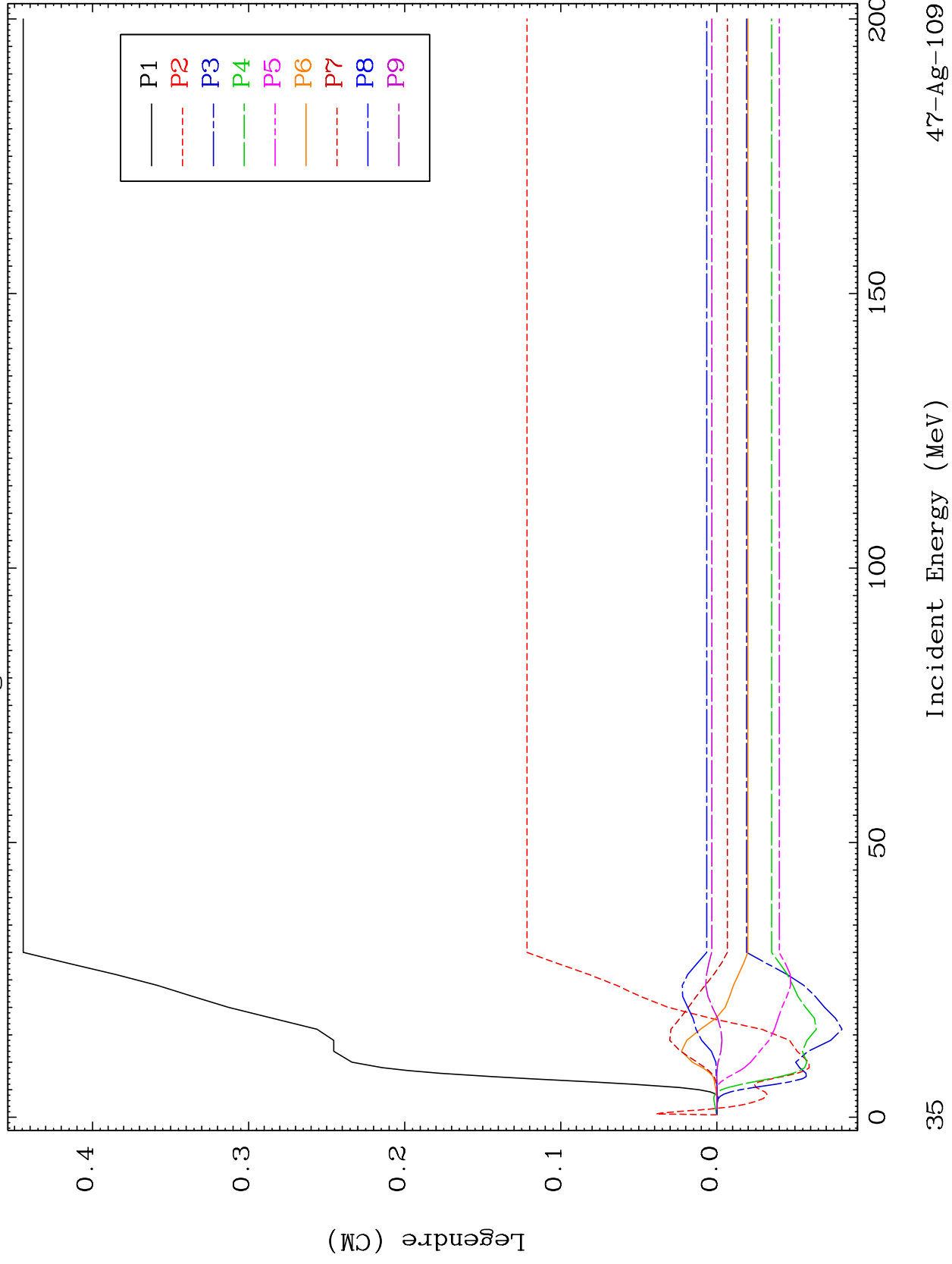
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



47-Ag-109

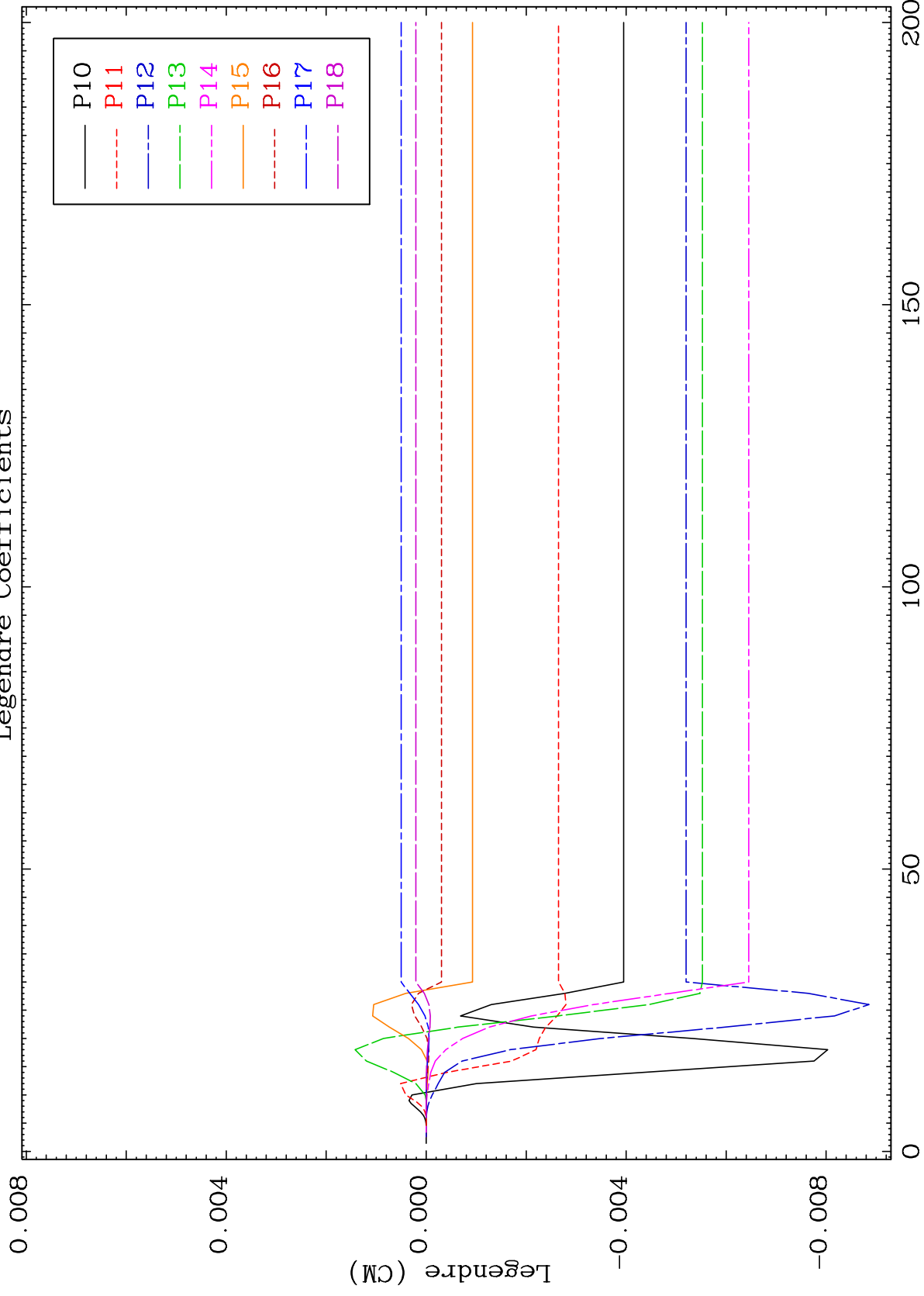
Incident Energy (MeV)

35

MAT 4731

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

47-Ag-109



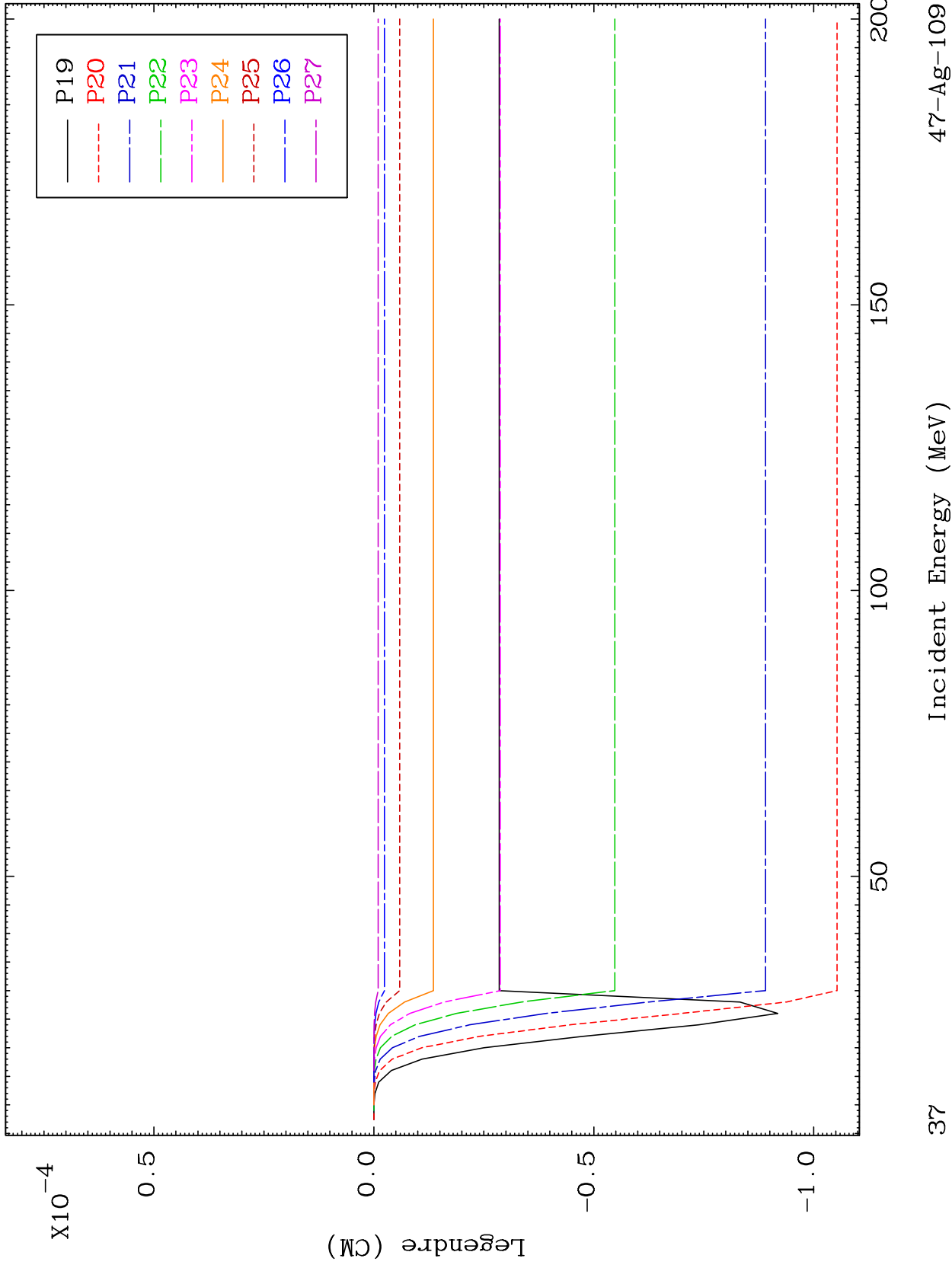
36

47-Ag-109

MAT 4731

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

47-Ag-109



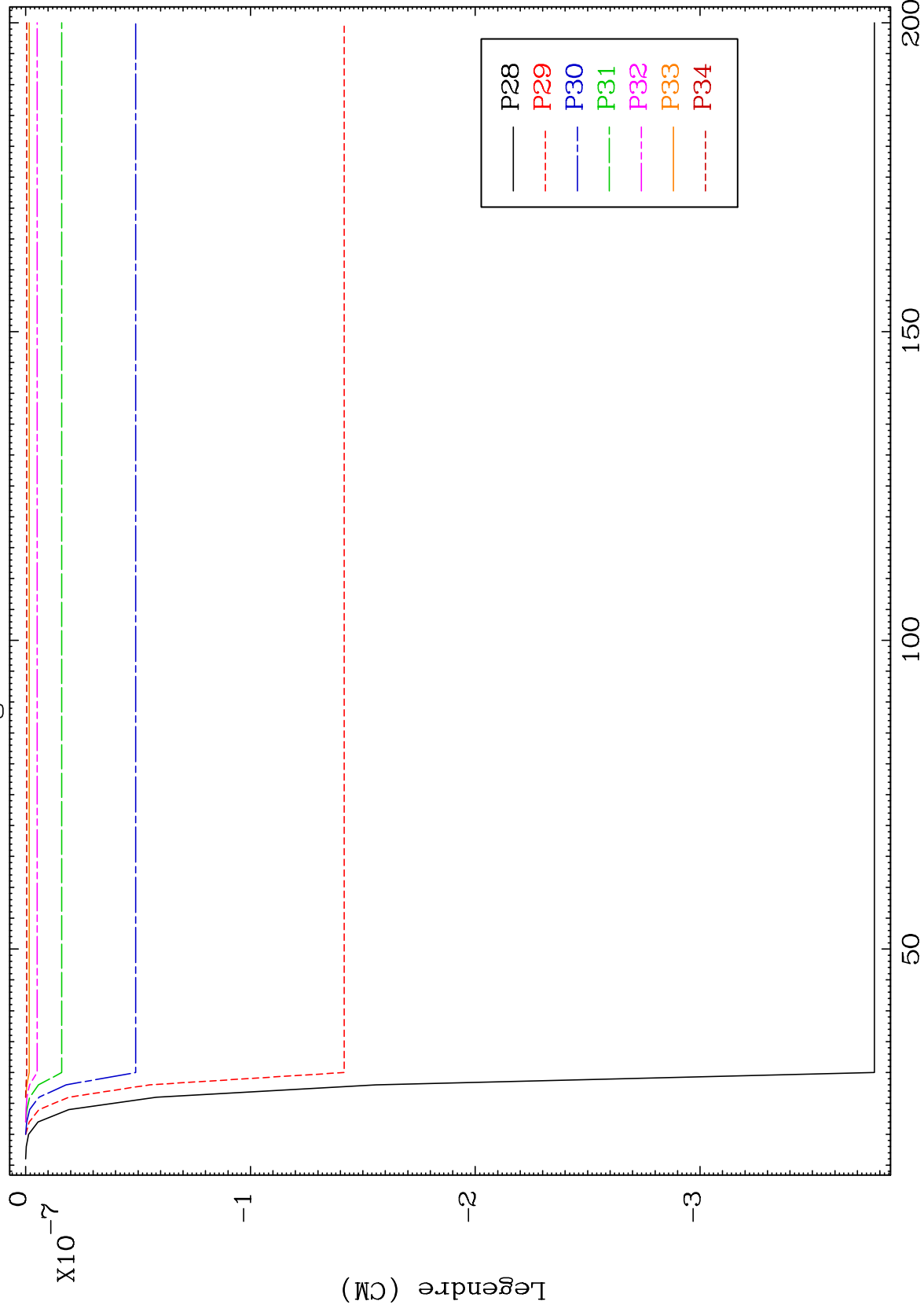
37

47-Ag-109

MAT 4731

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

47-Ag-109



38

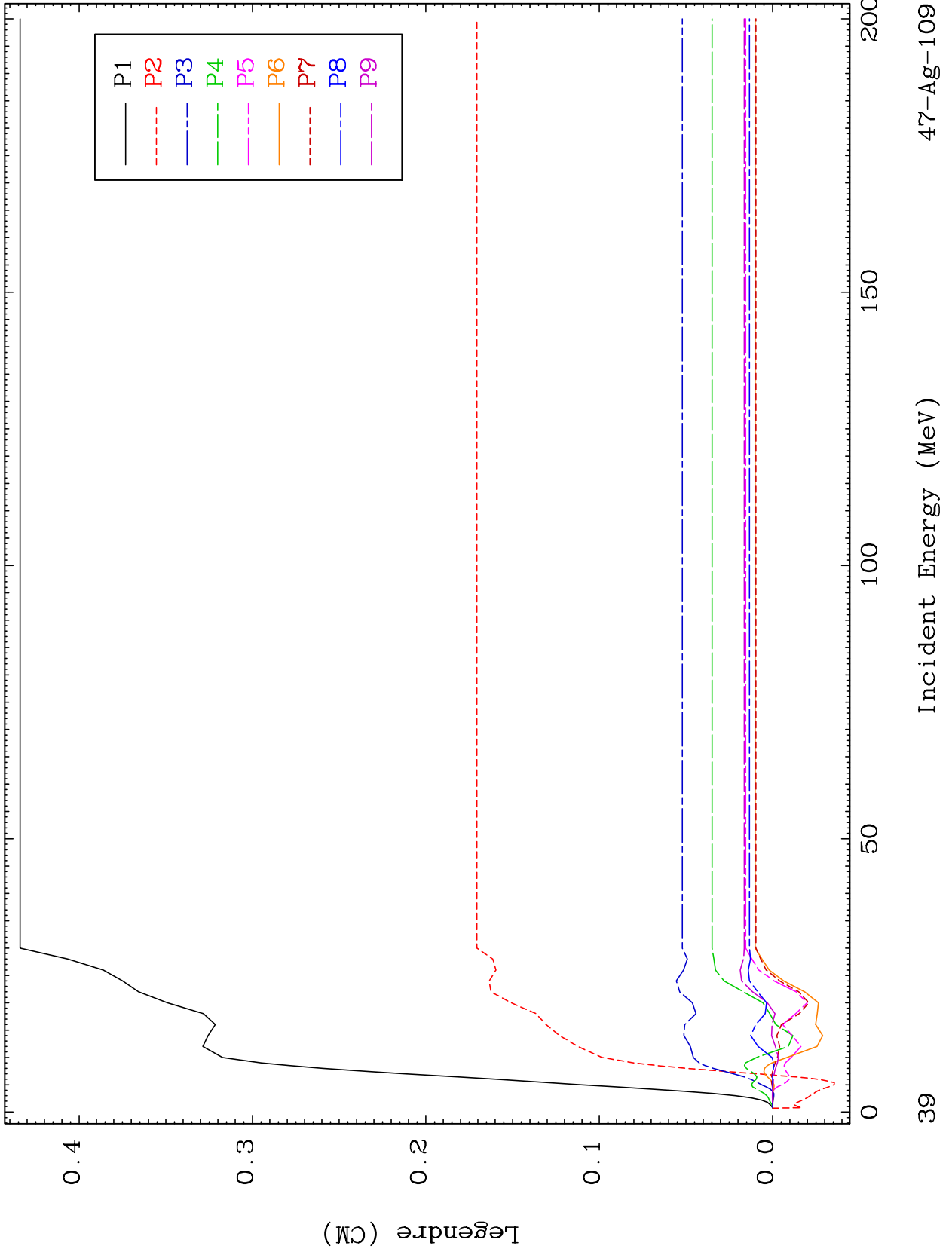
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



39

Incident Energy (MeV)

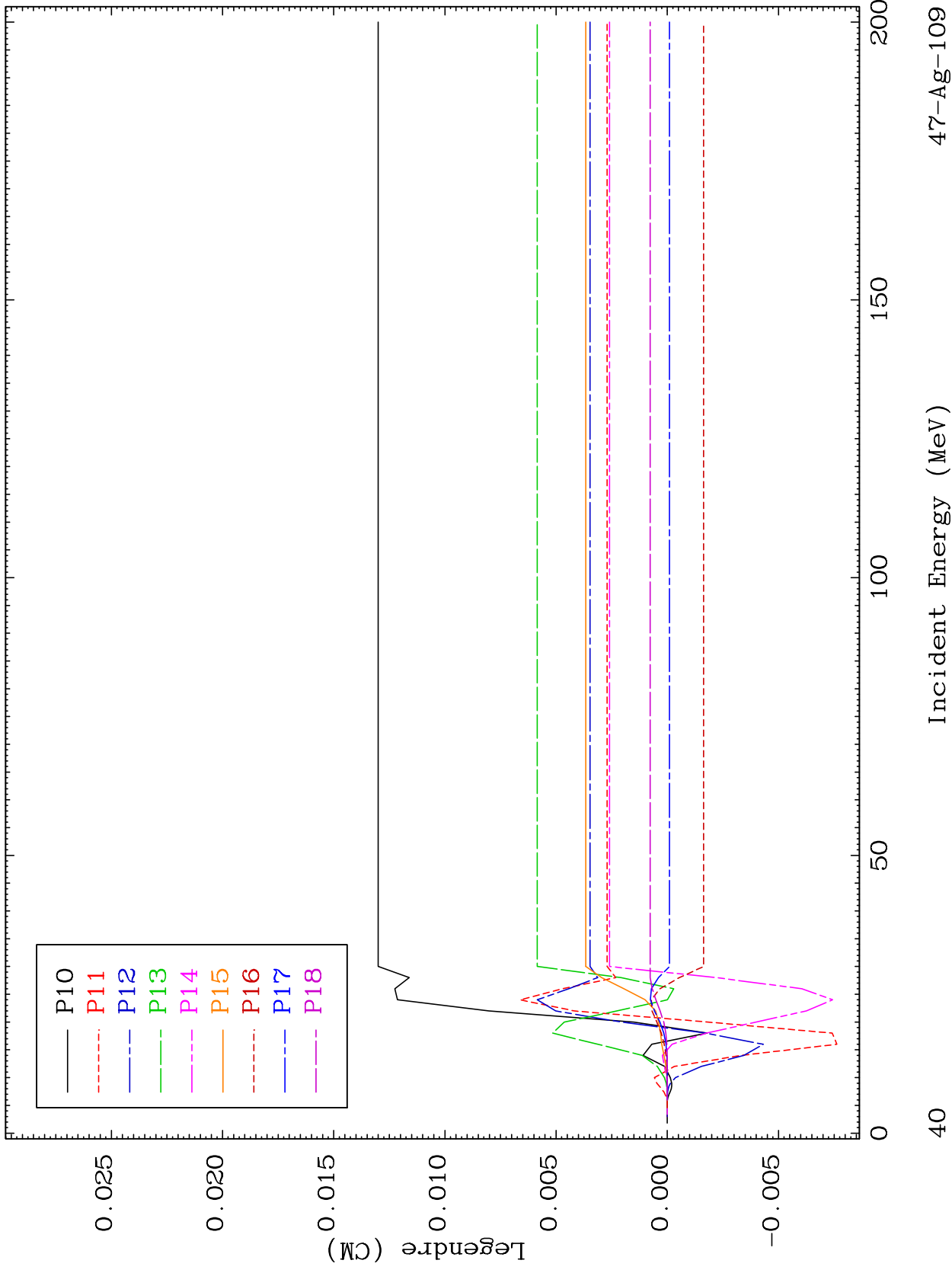
47-Ag-109



MAT 4731

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

47-Ag-109



47-Ag-109

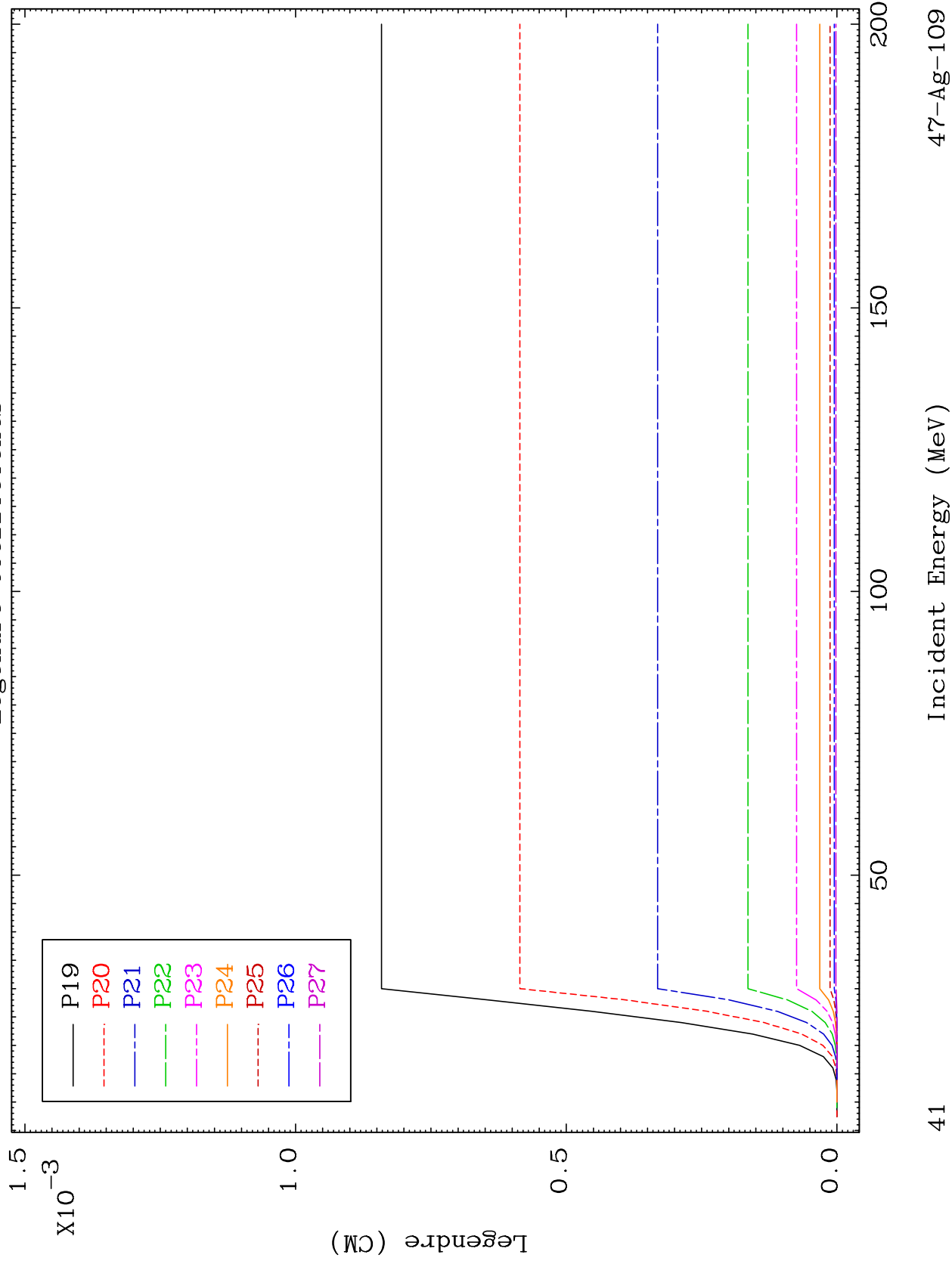
Incident Energy (MeV)

40

MAT 4731

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

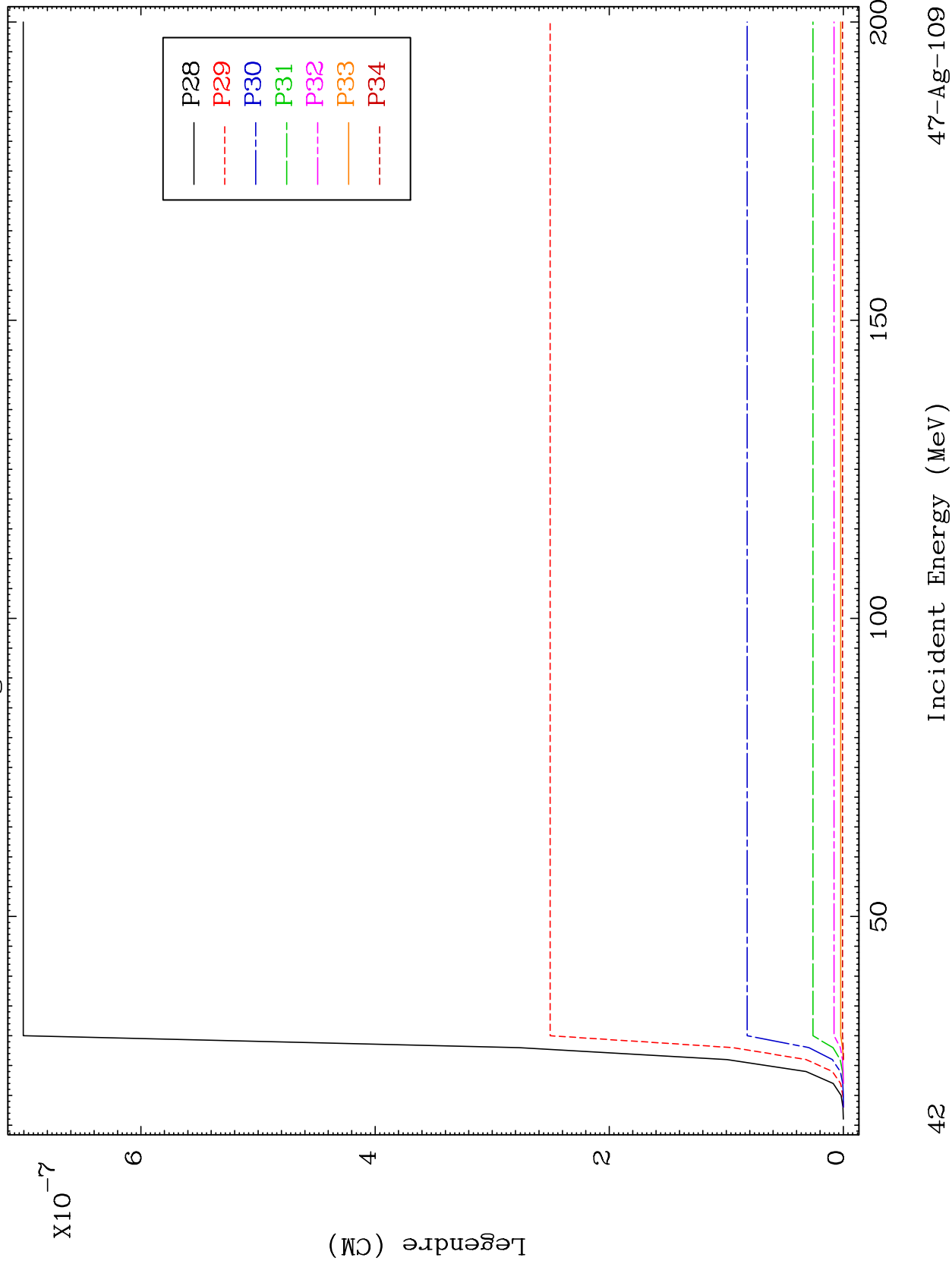
47-Ag-109



MAT 4731

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

47-Ag-109



47-Ag-109

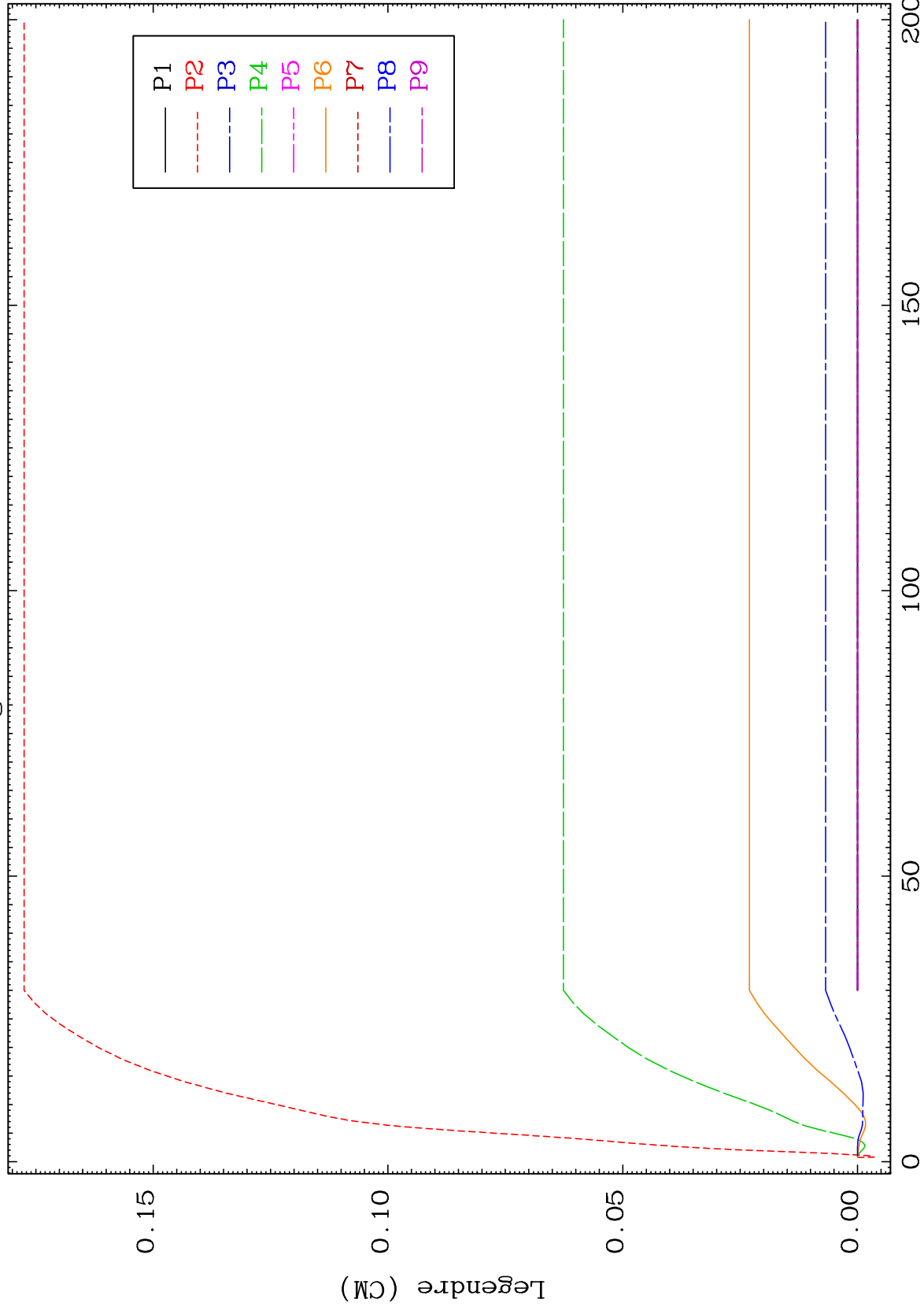
Incident Energy (MeV)

42

MAT 4731

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

47-Ag-109



43

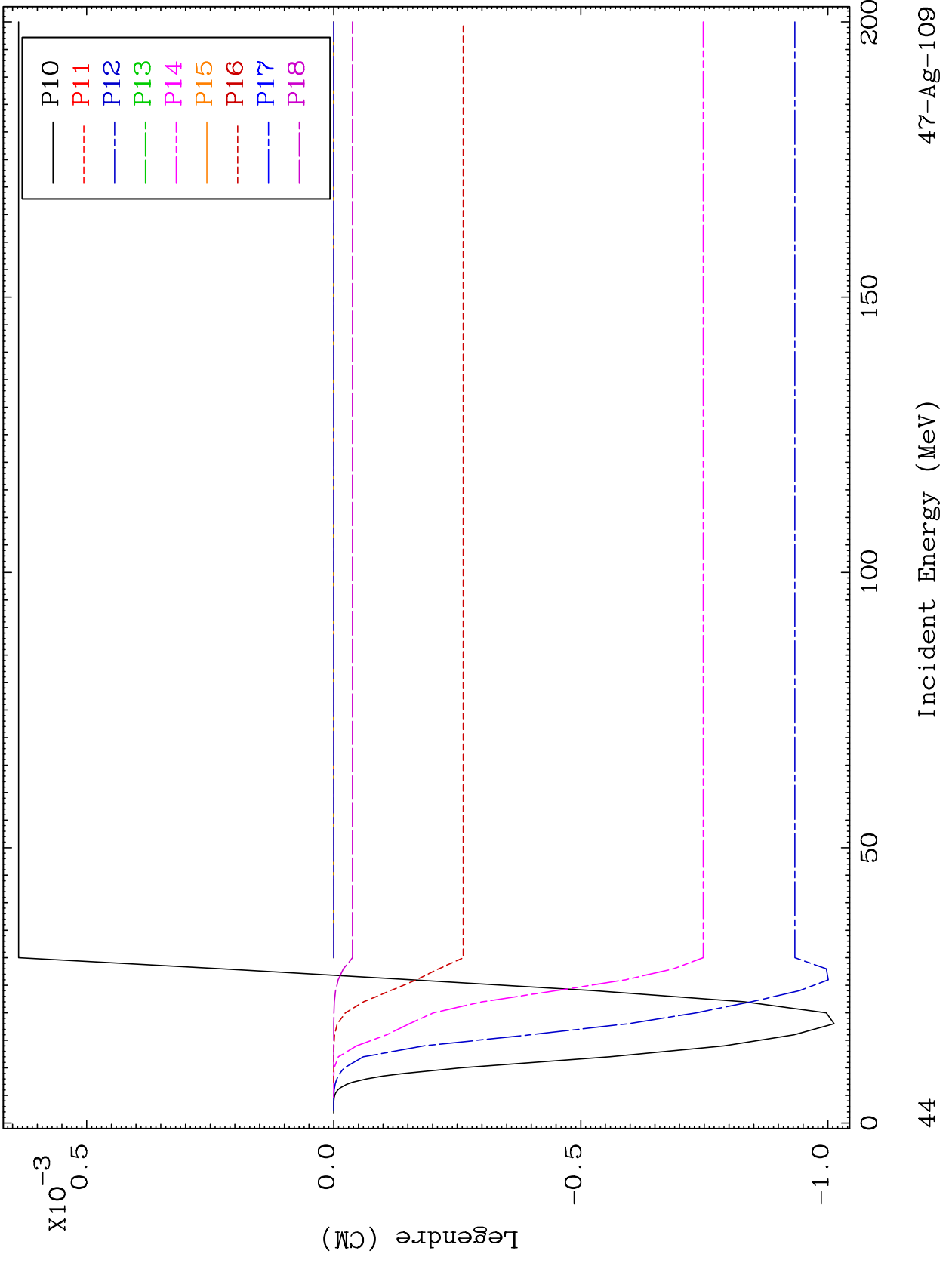
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

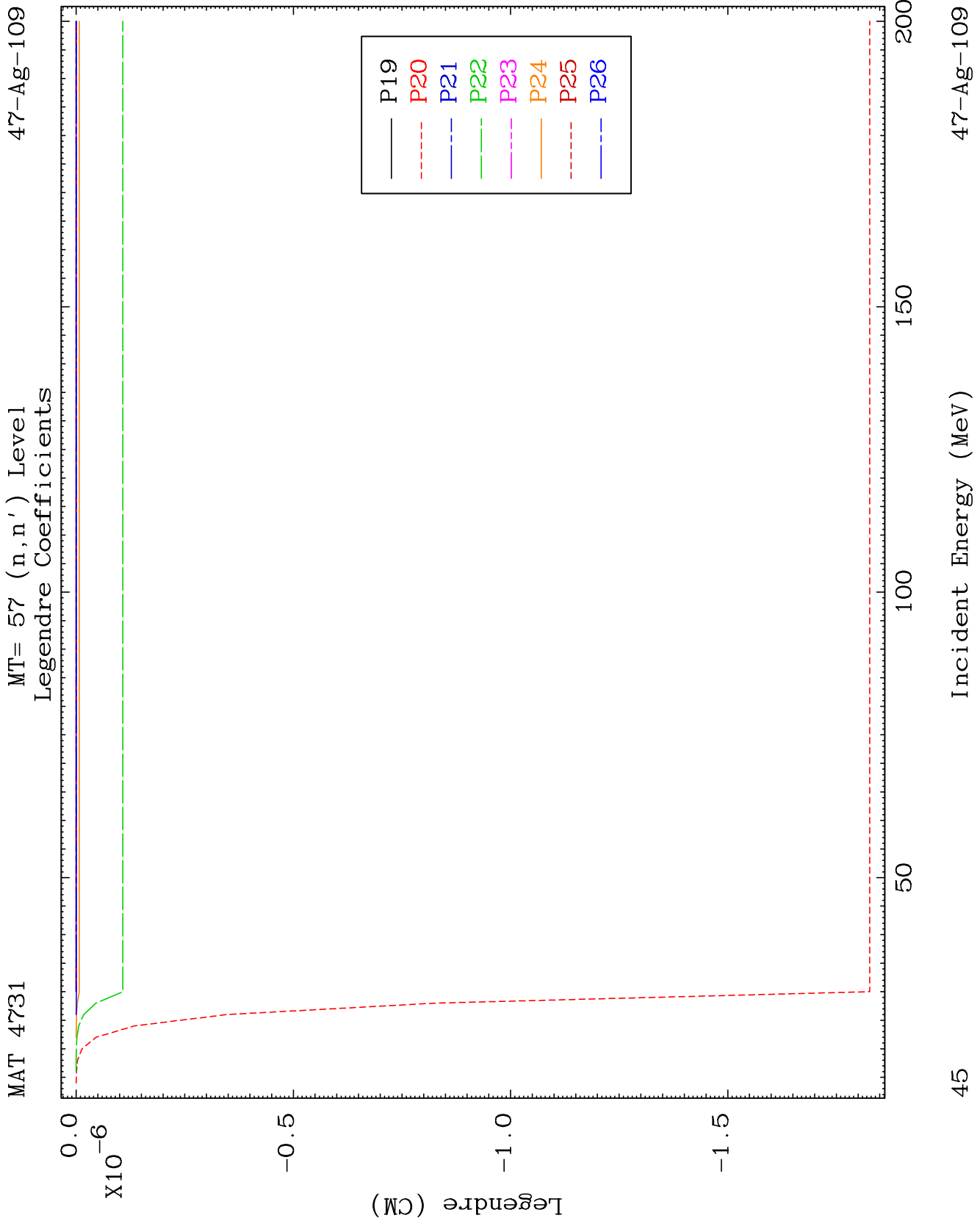
47-Ag-109

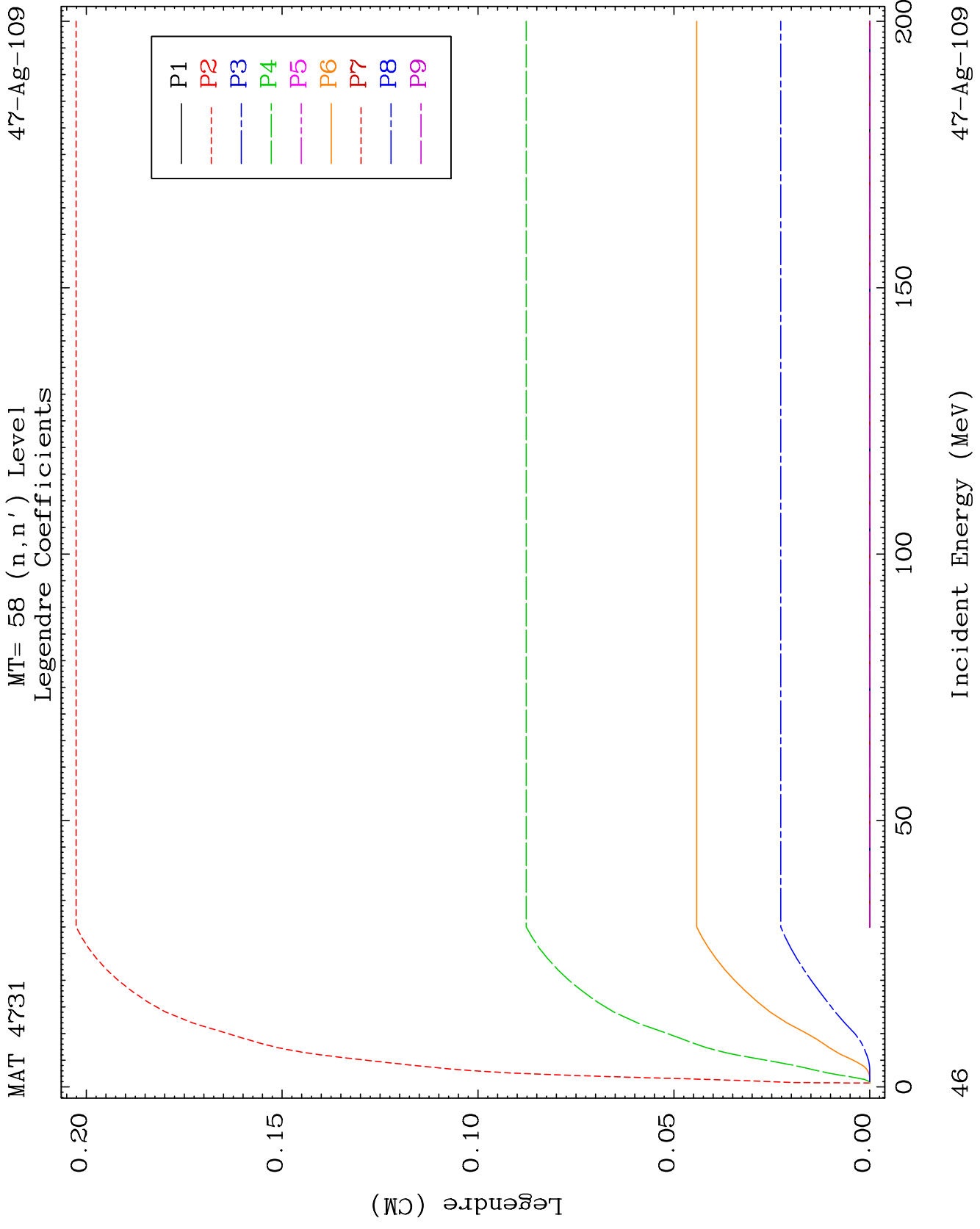


44

Incident Energy (MeV)

47-Ag-109

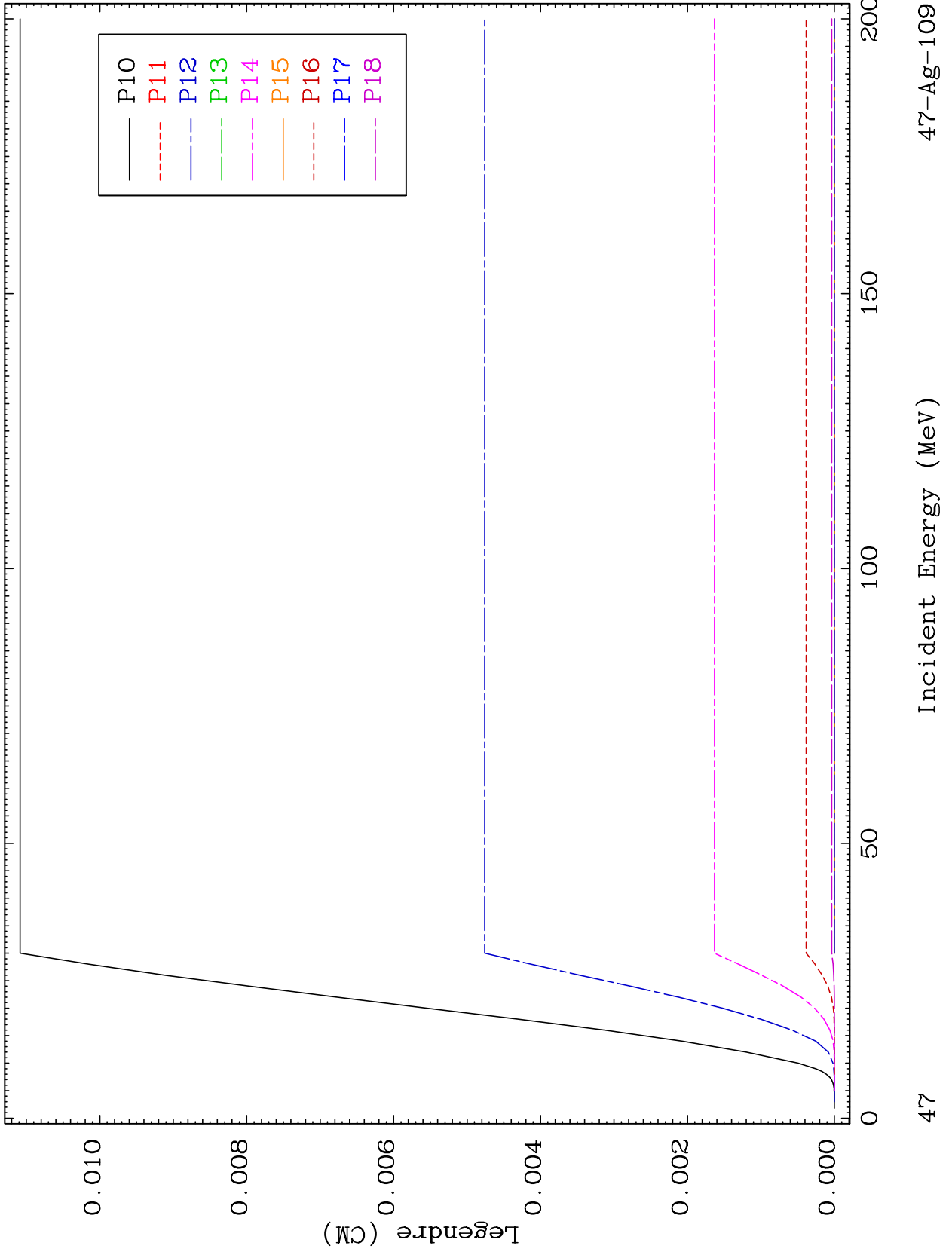




MAT 4731

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

47-Ag-109



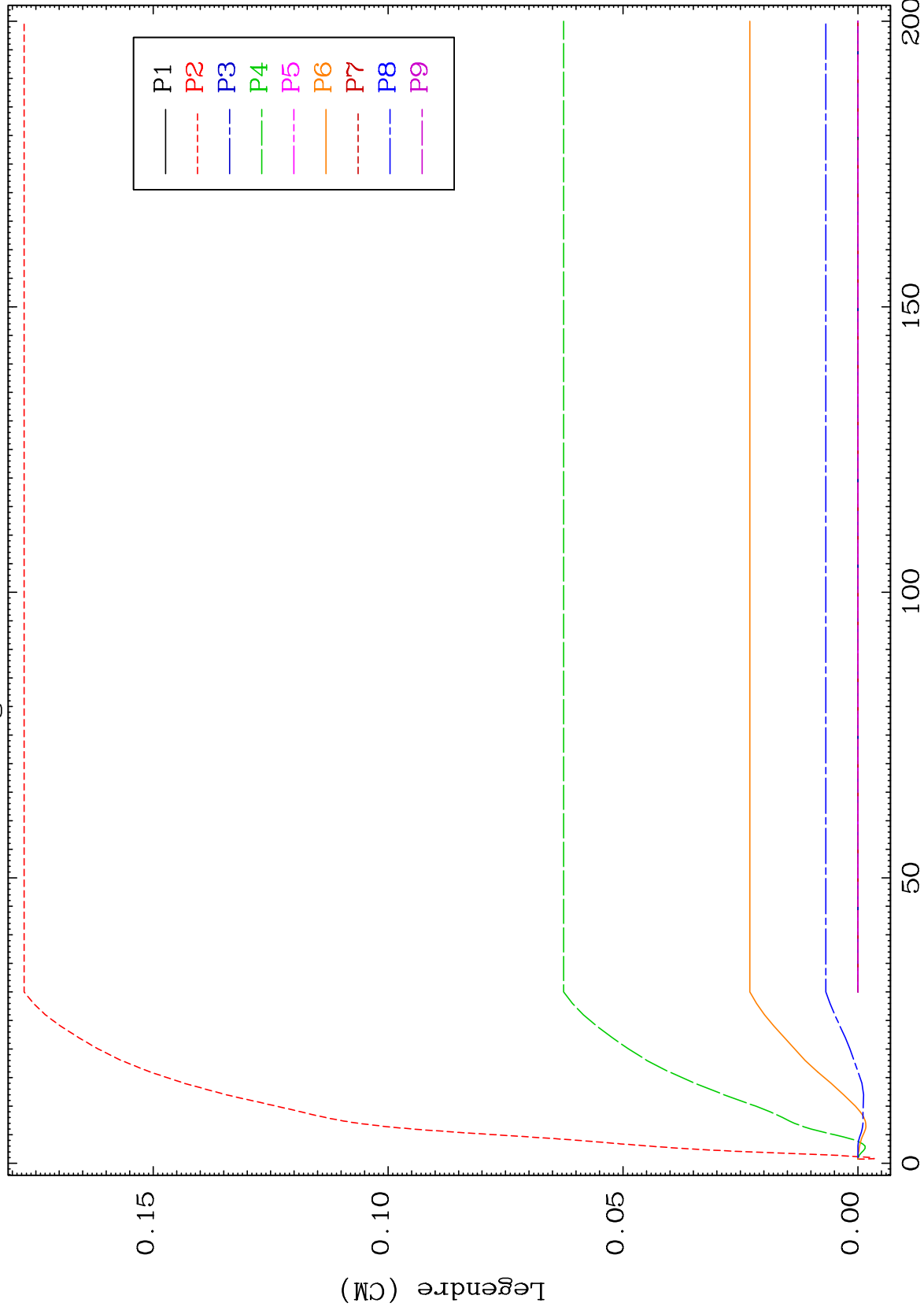




MAT 4731

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

47-Ag-109



49

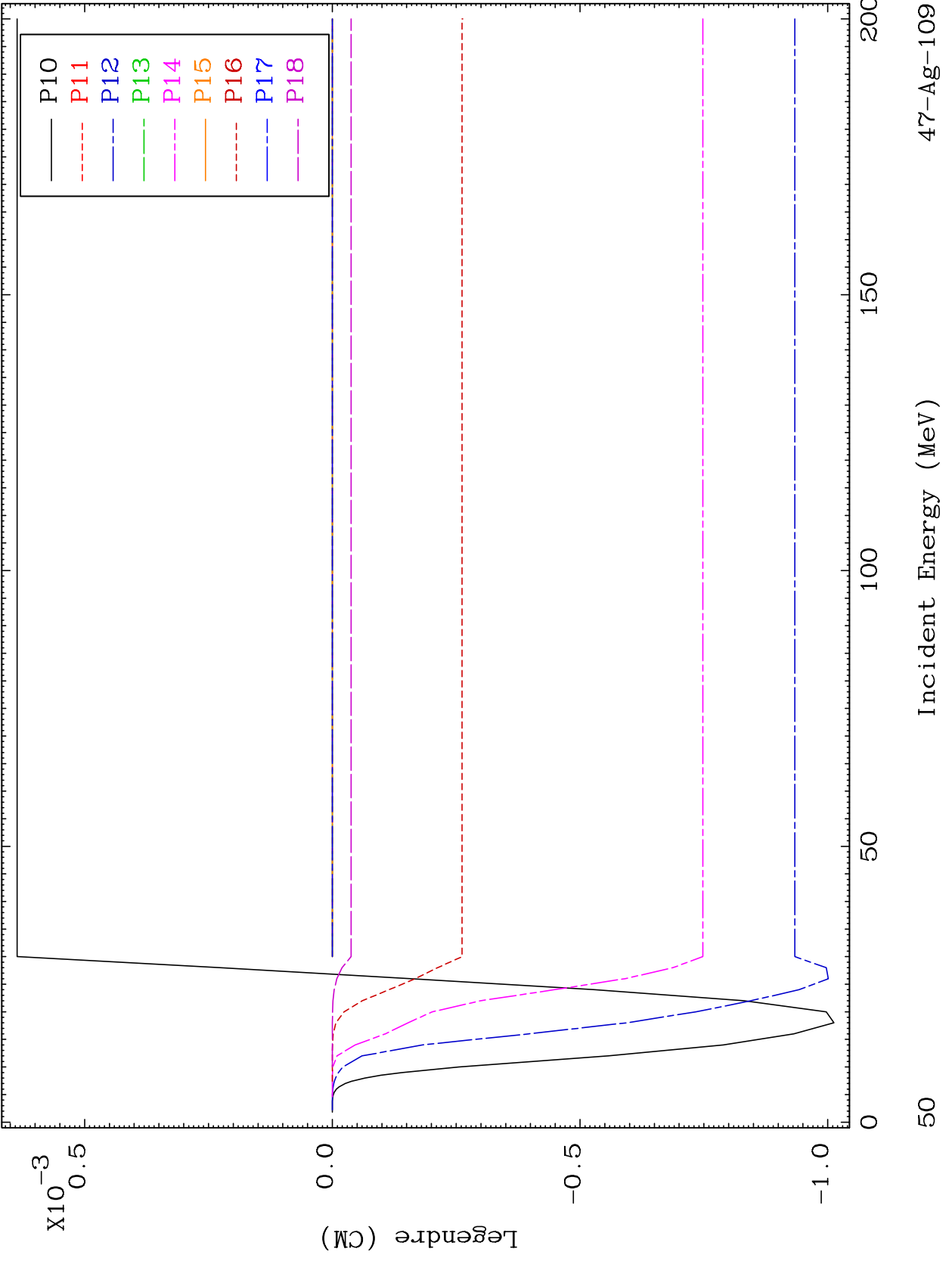
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



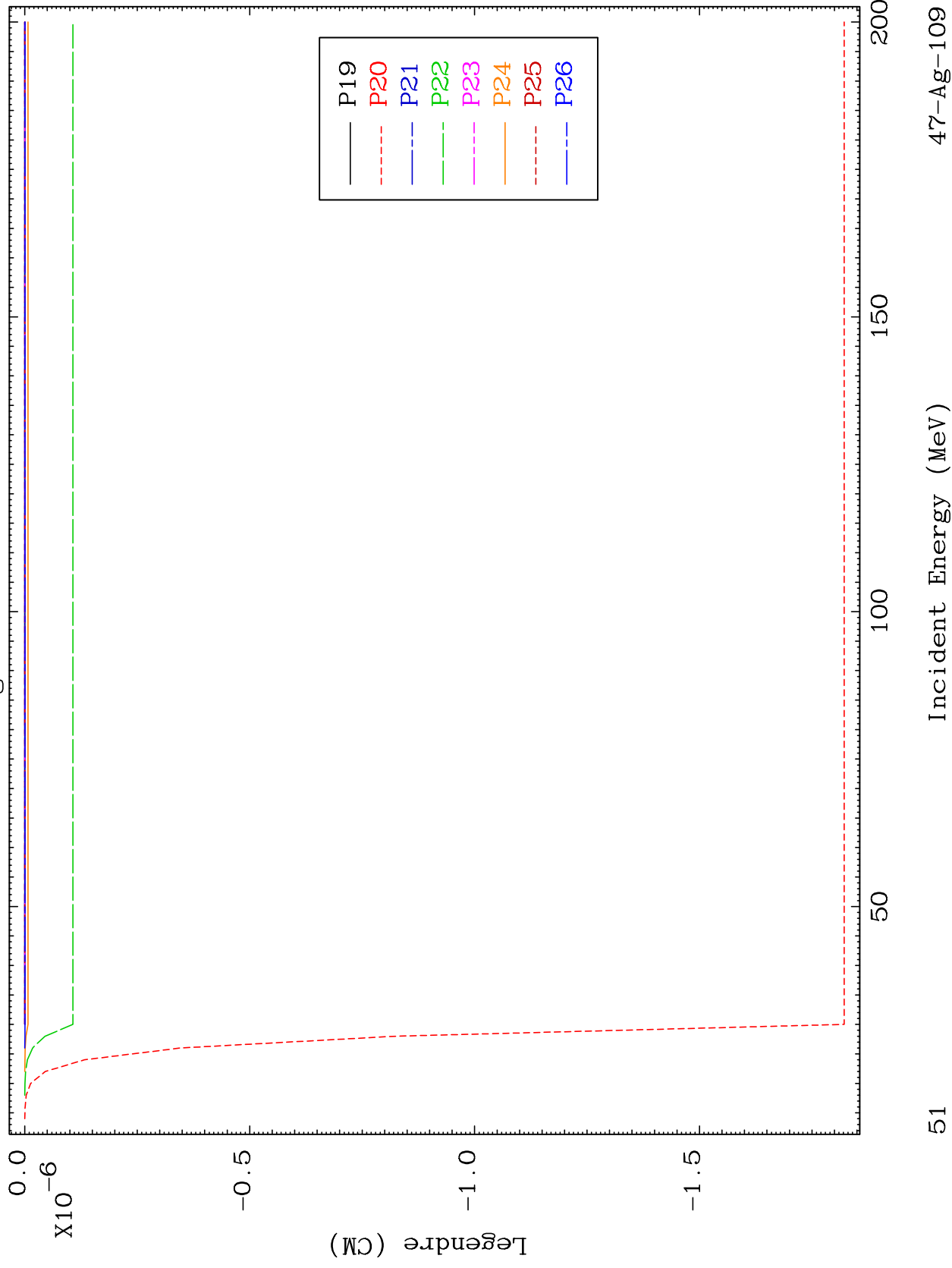
47-Ag-109

Incident Energy (MeV)

MAT 4731

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

47-Ag-109



51

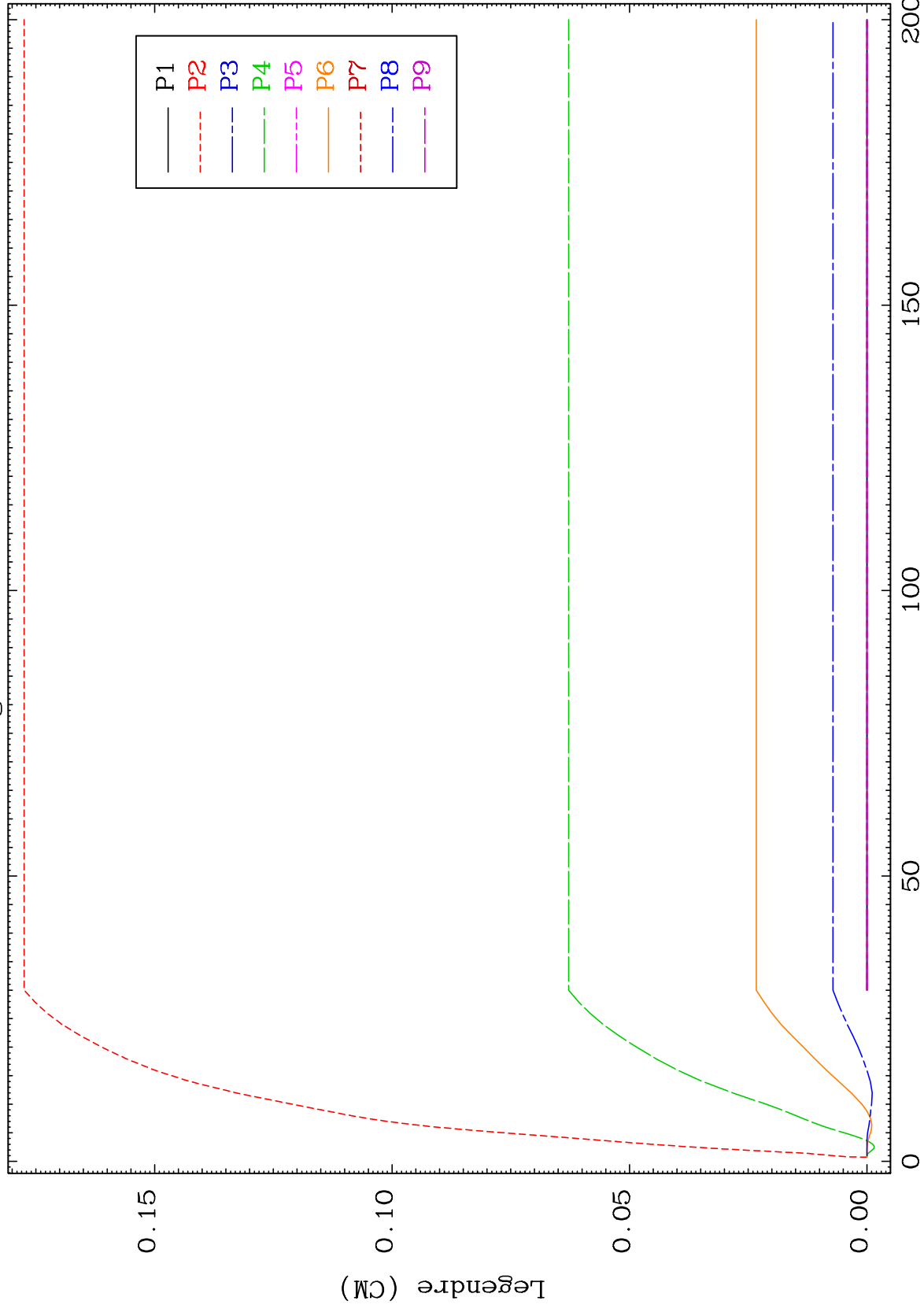
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



52

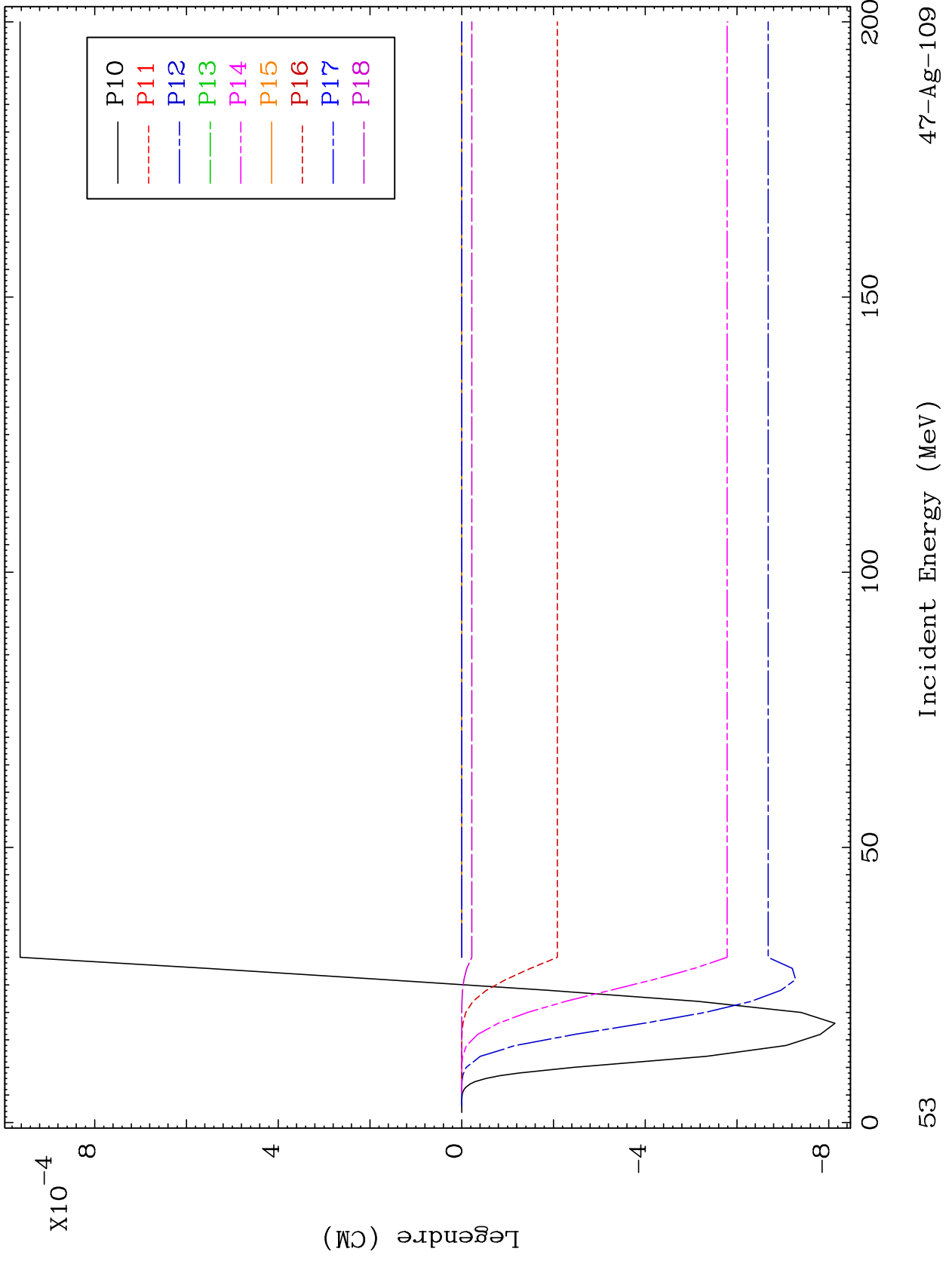
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



47-Ag-109

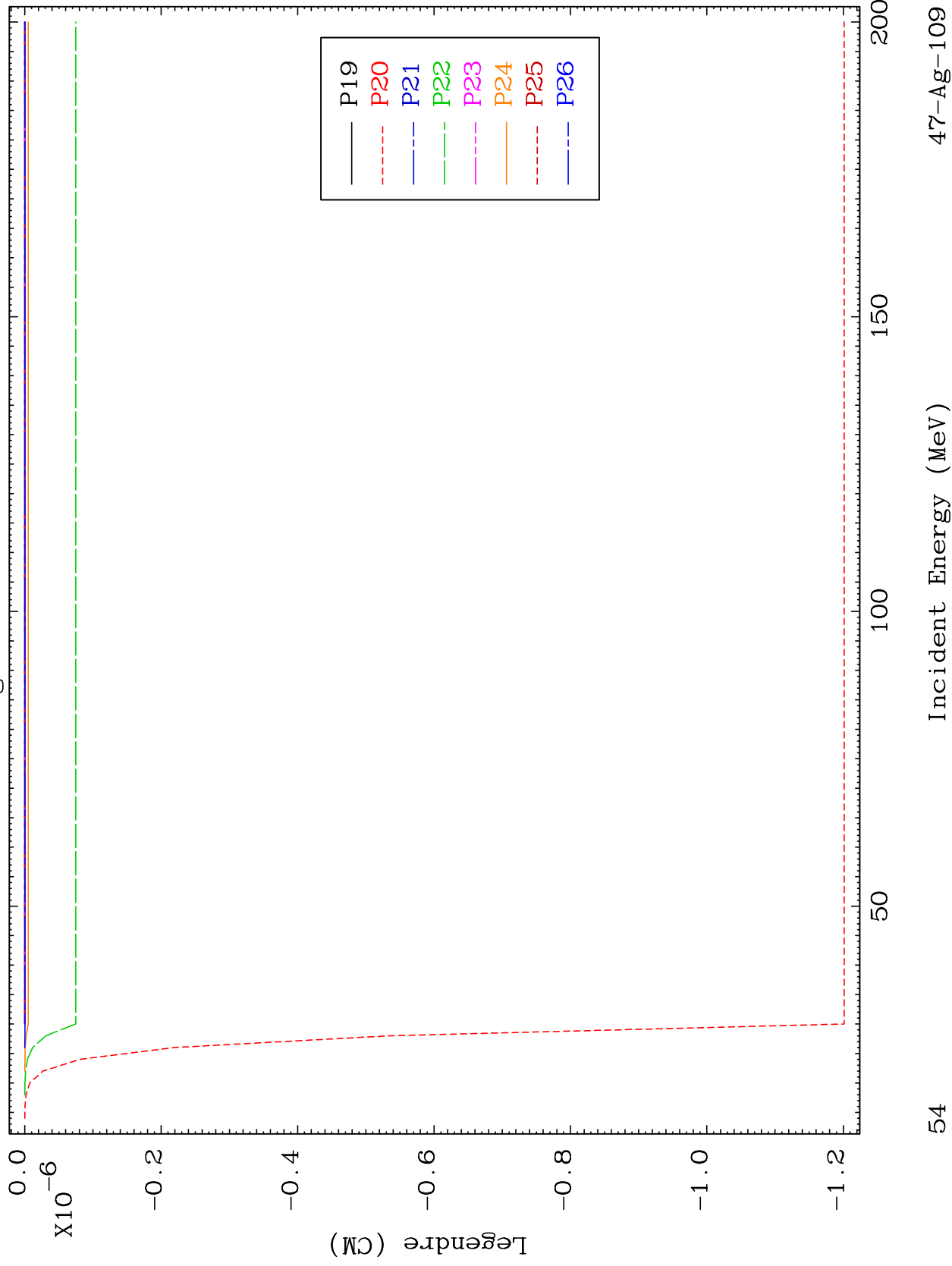
Incident Energy (MeV)

53

MAT 4731

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

47-Ag-109



54

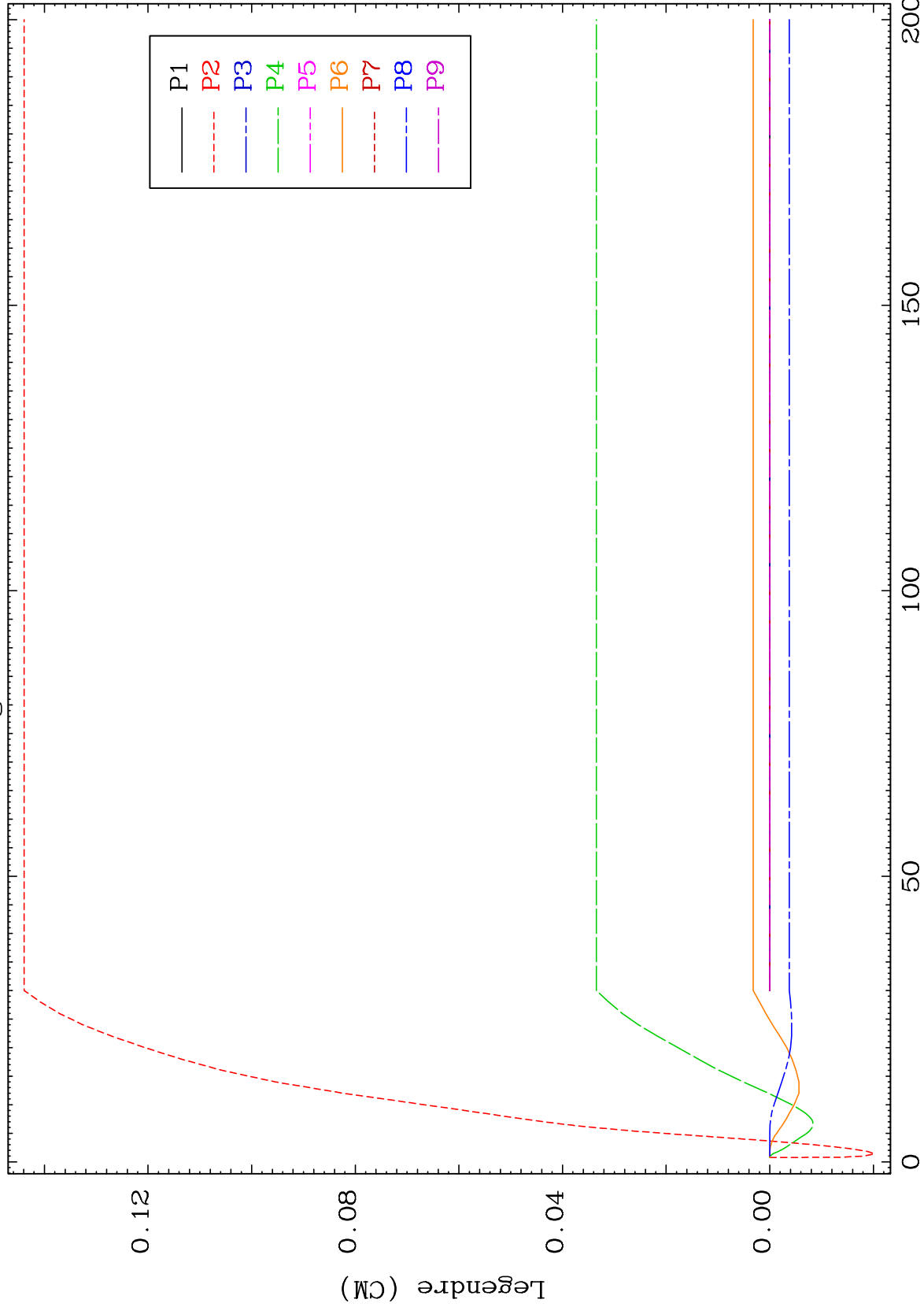
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



55

Incident Energy (MeV)

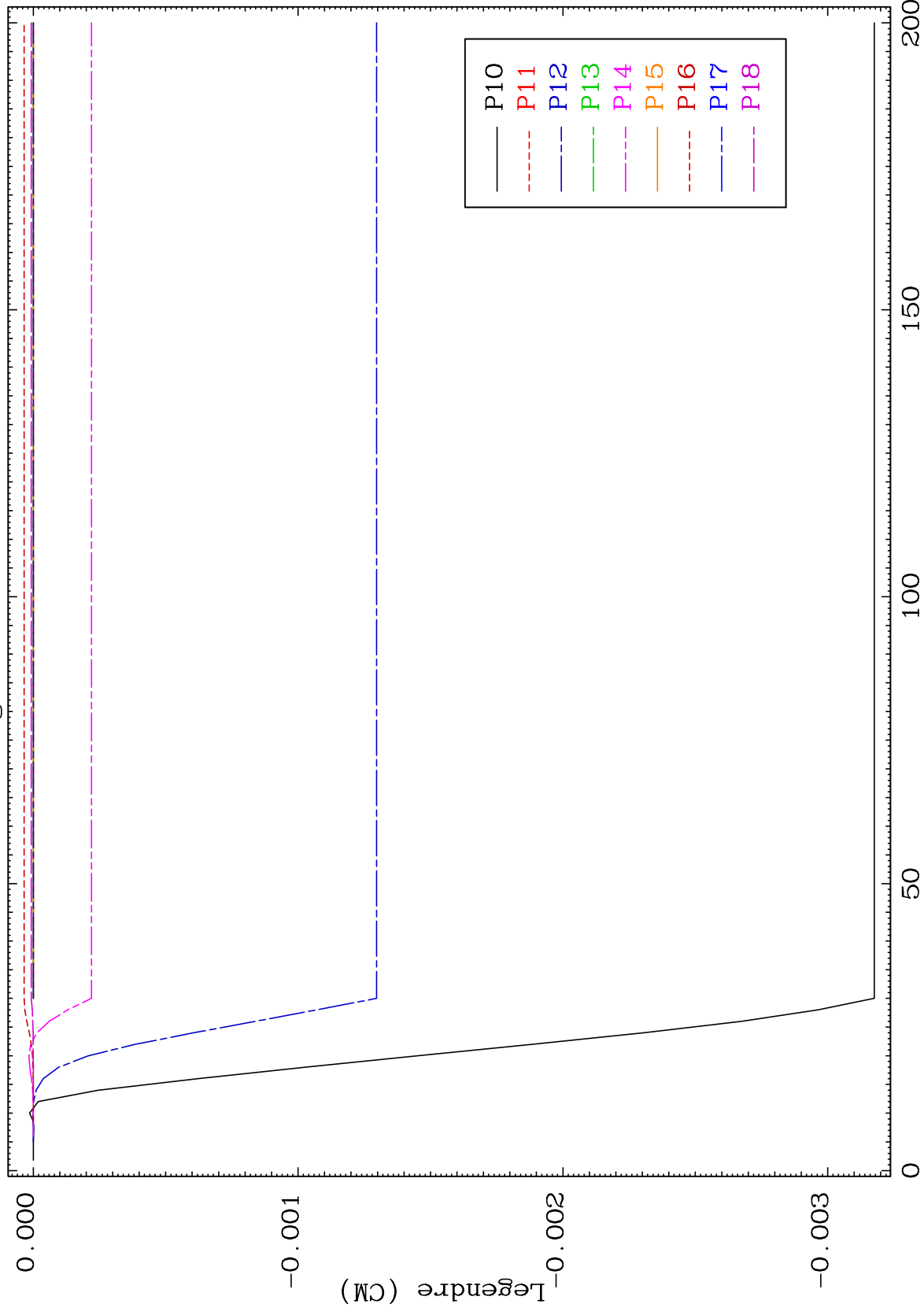
47-Ag-109



MAT 4731

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

47-Ag-109



56

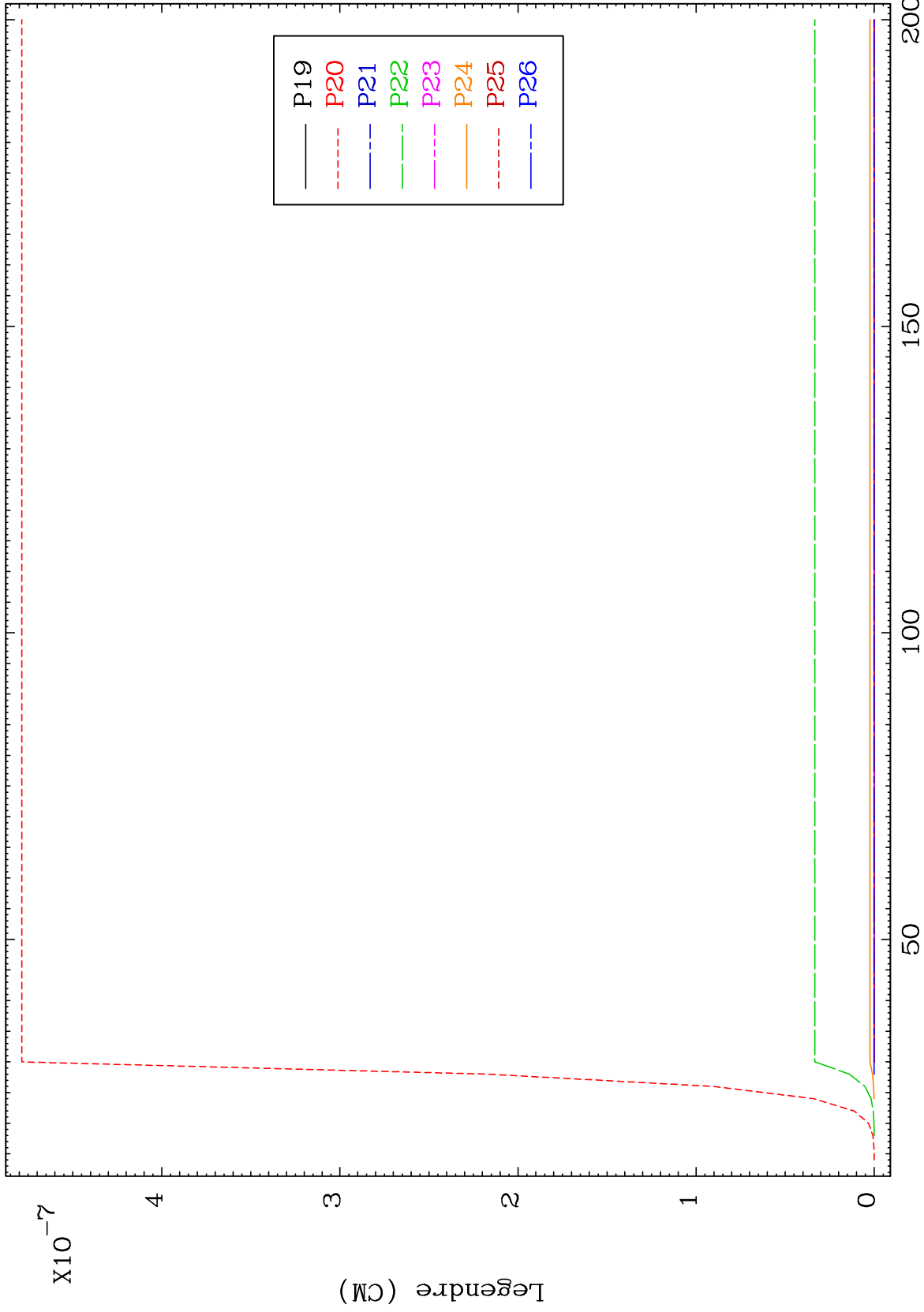
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



57

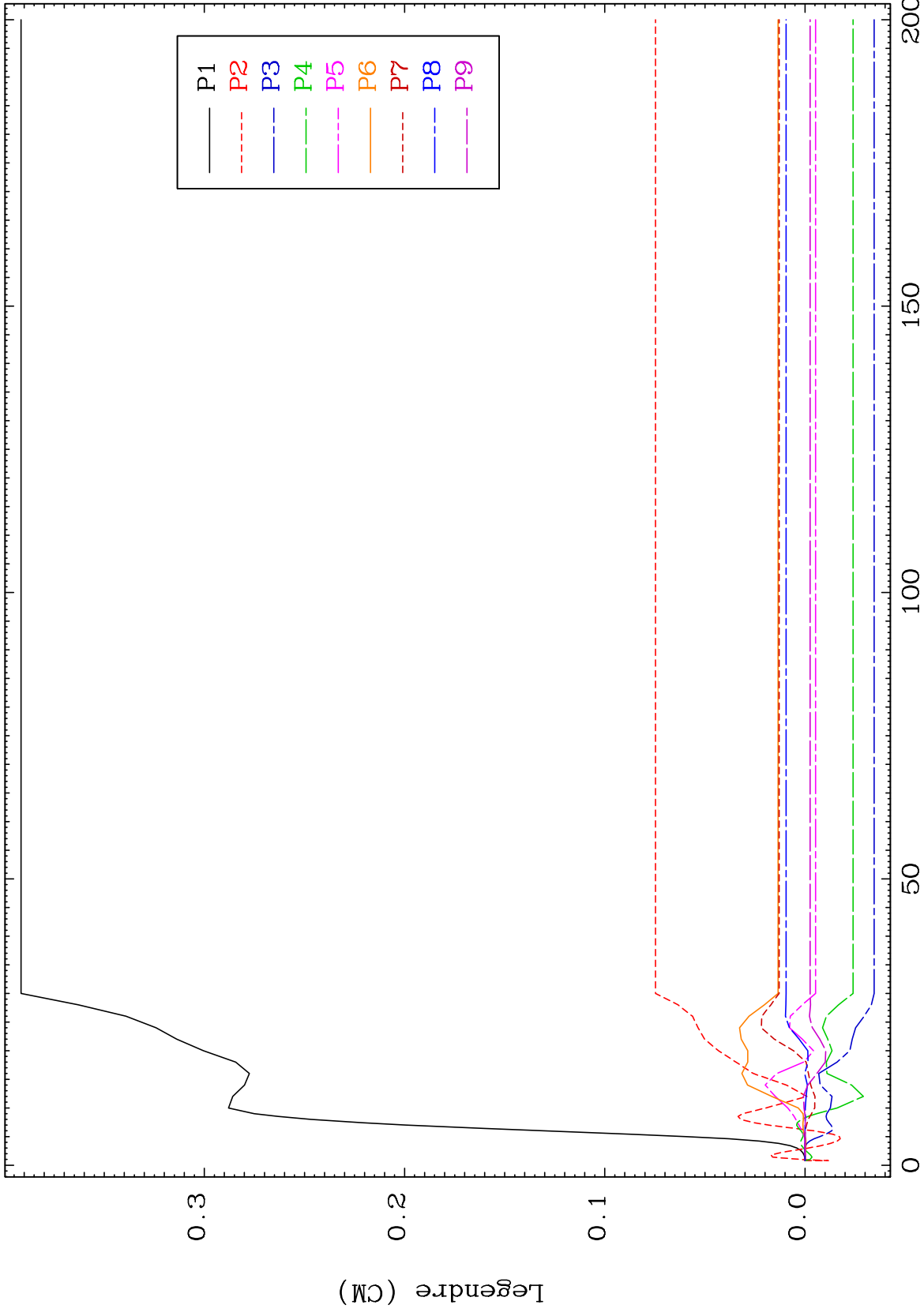
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



58

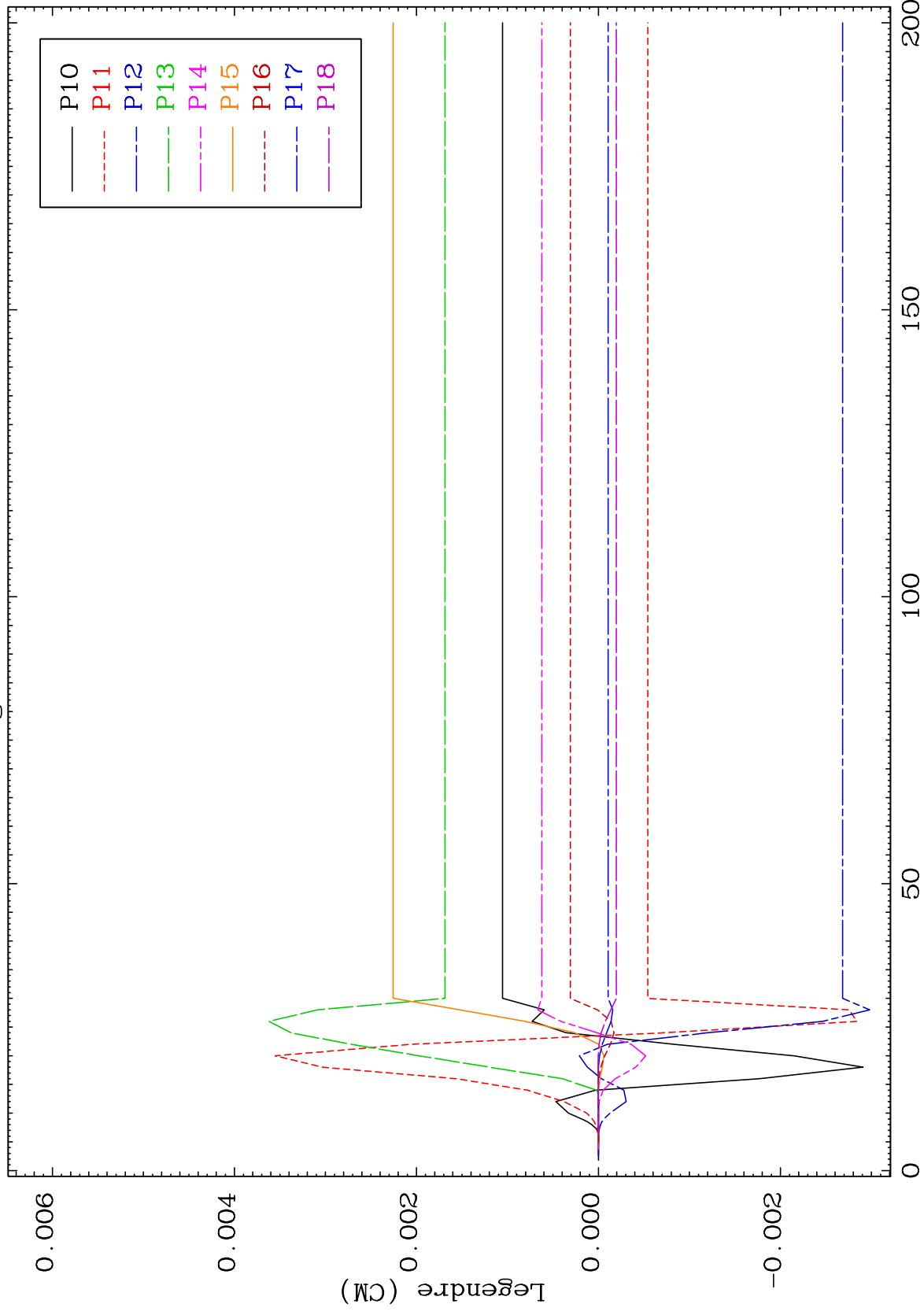
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



59

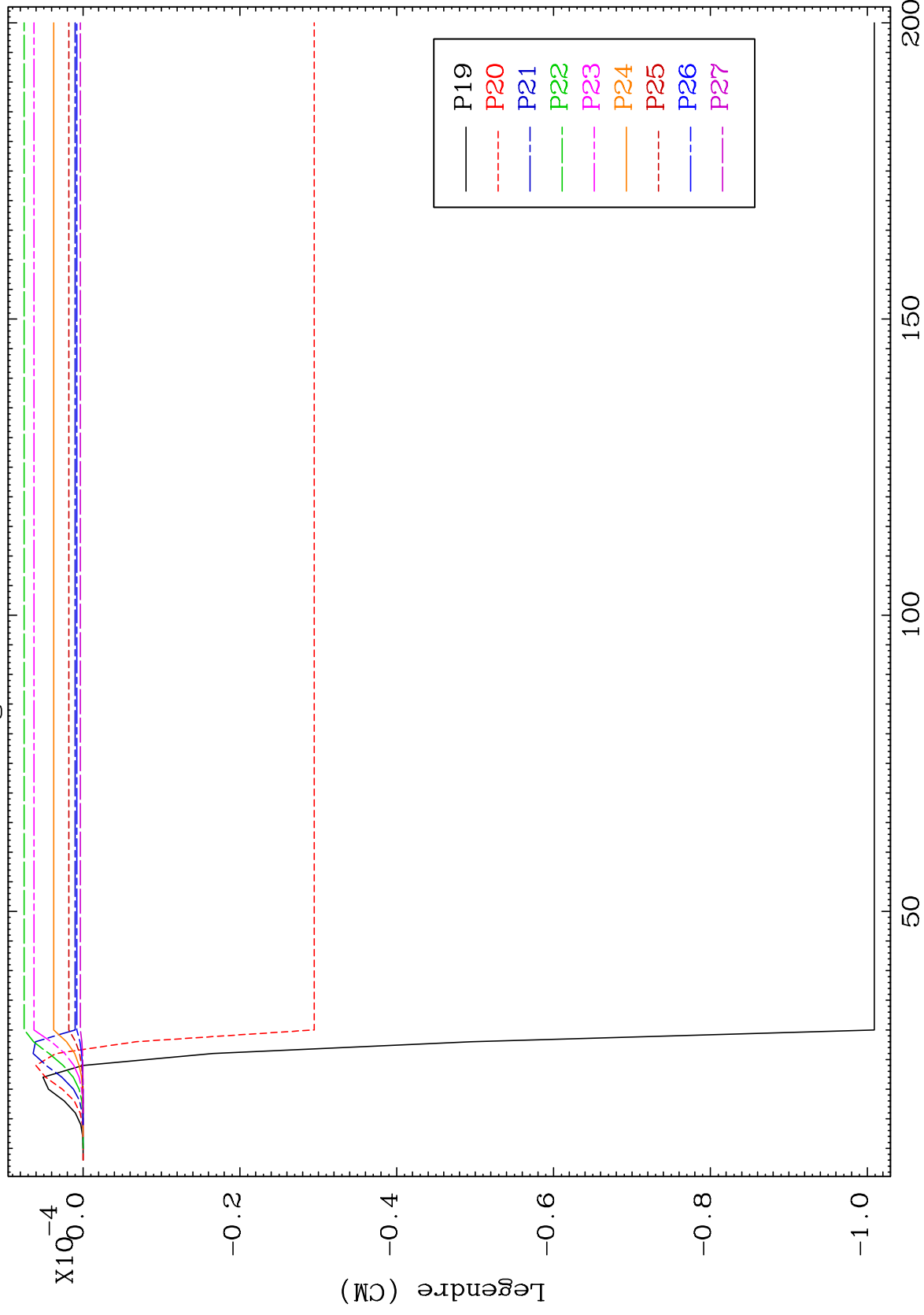
Incident Energy (MeV)

47-Ag-109

MAT 4731

47-Ag-109

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



60

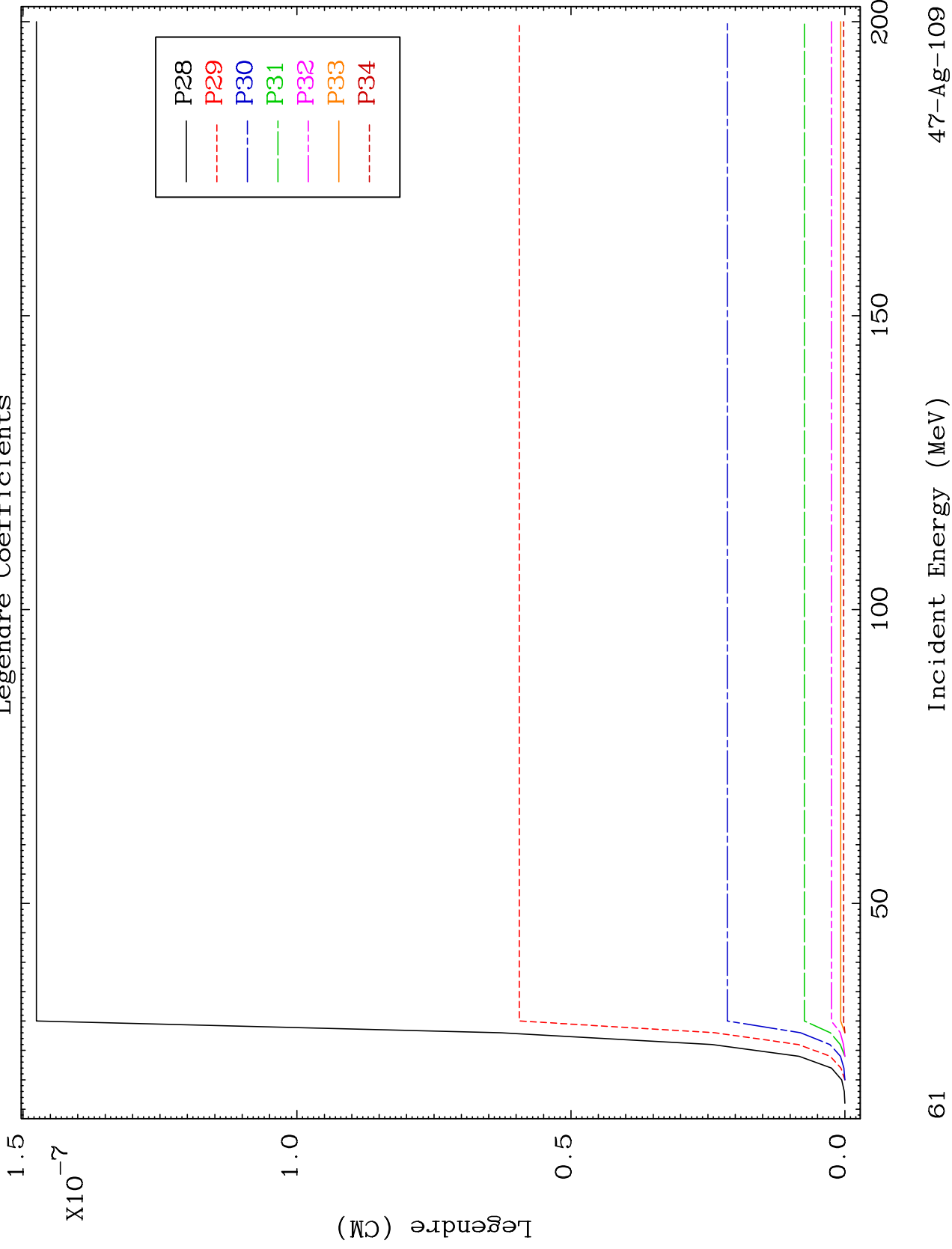
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

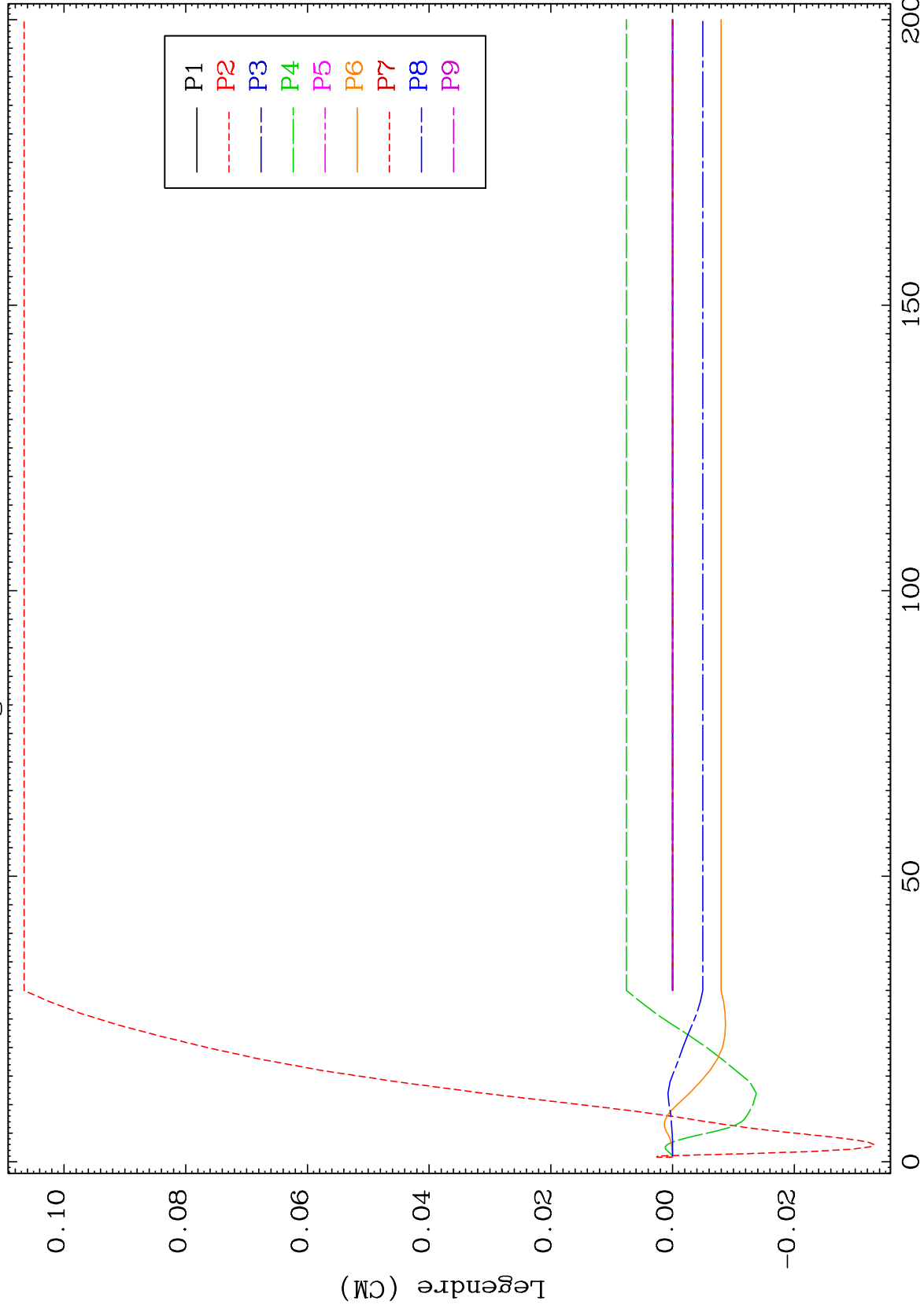
47-Ag-109



MAT 4731

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

47-Ag-109



62

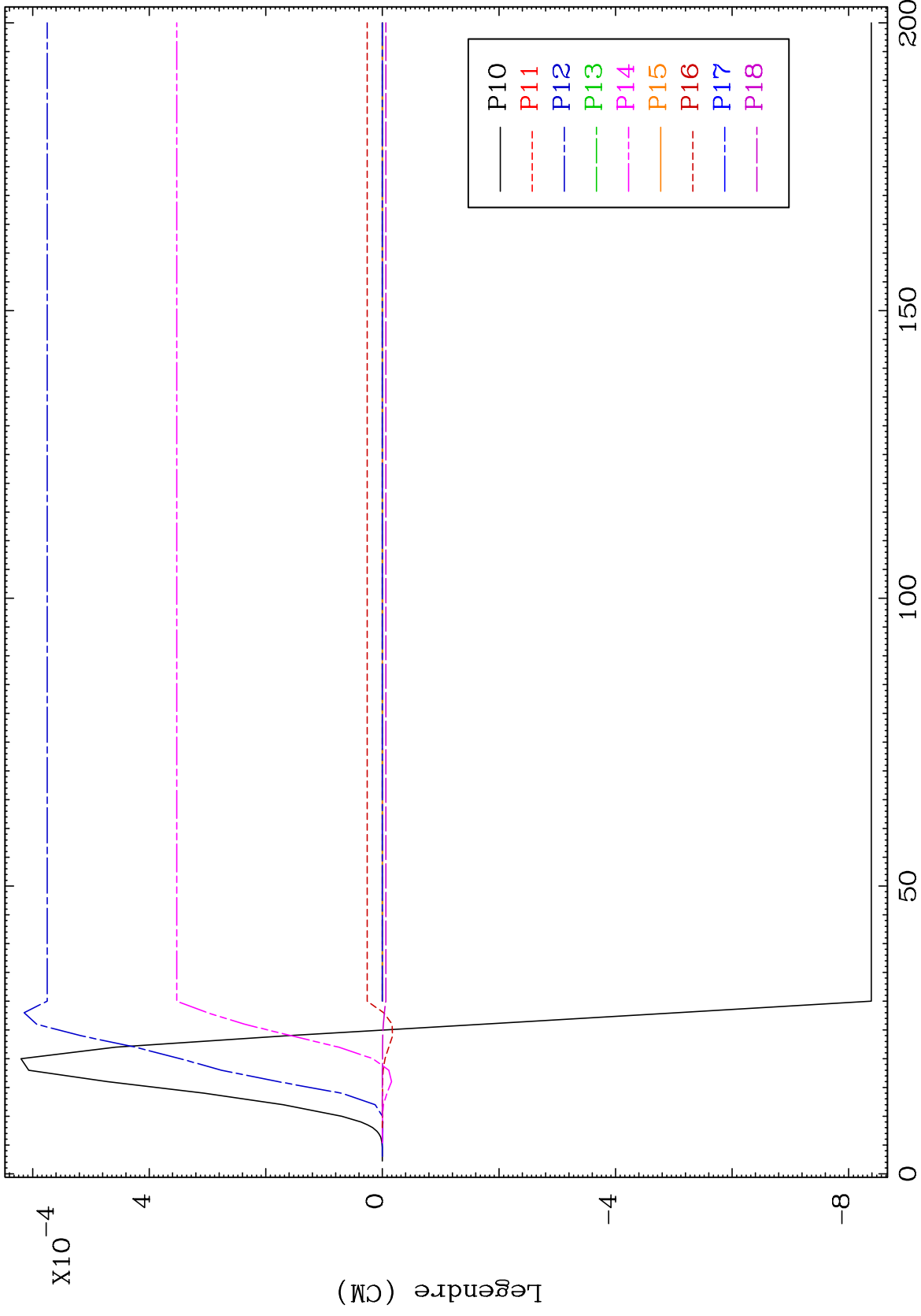
47-Ag-109

47-Ag-109

MAT 4731

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

47-Ag-109

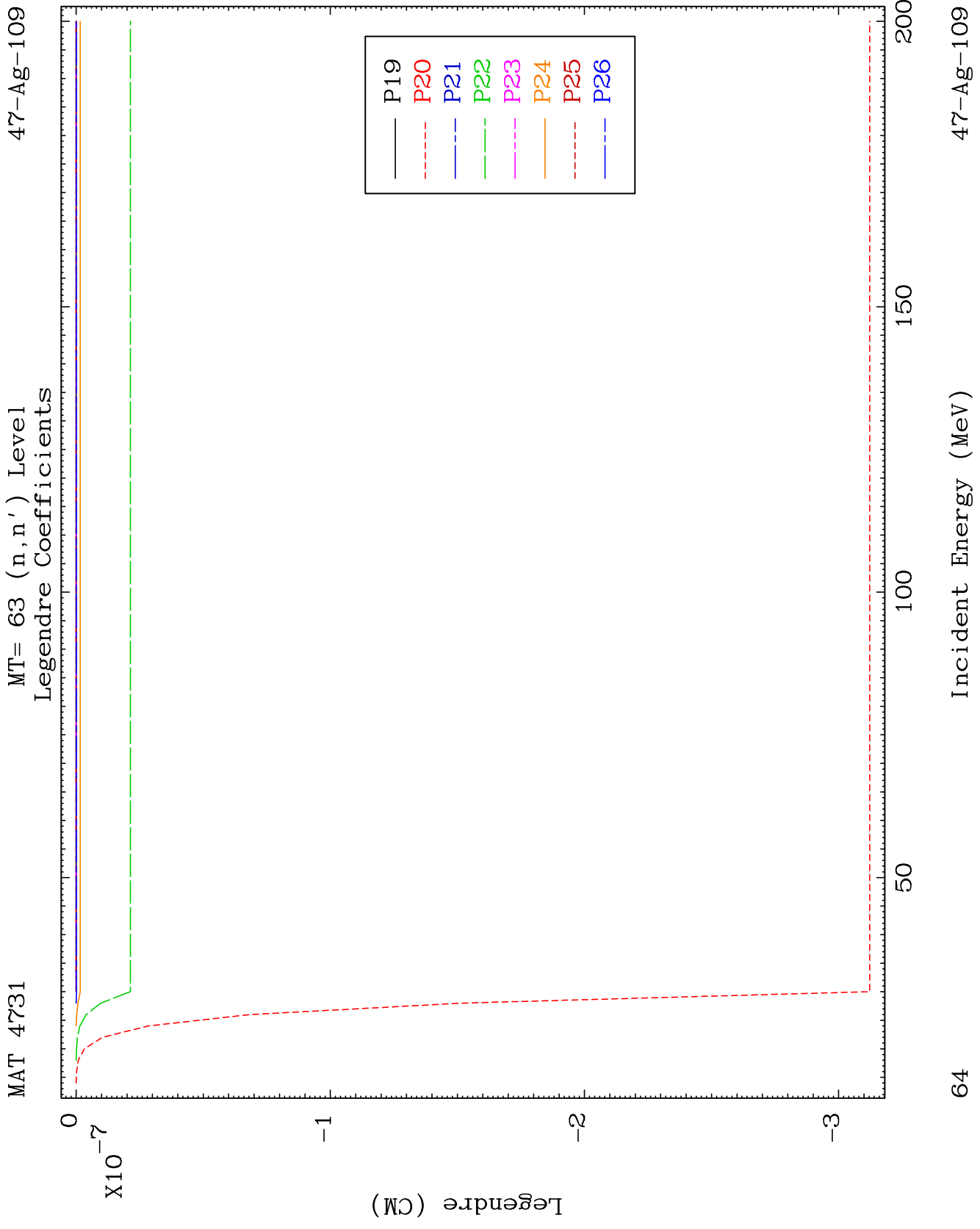


63

Incident Energy (MeV)

47-Ag-109

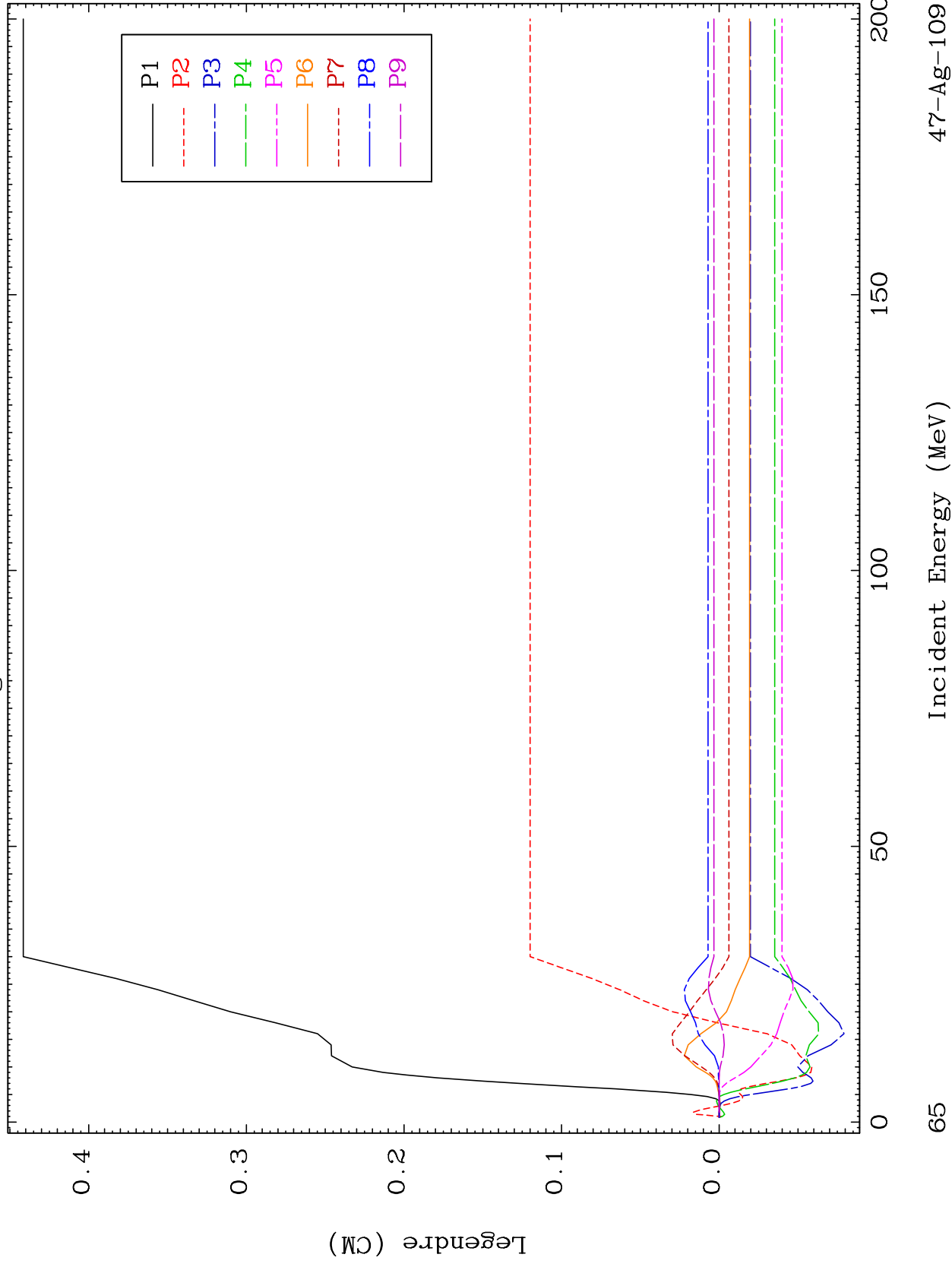




MAT 4731

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

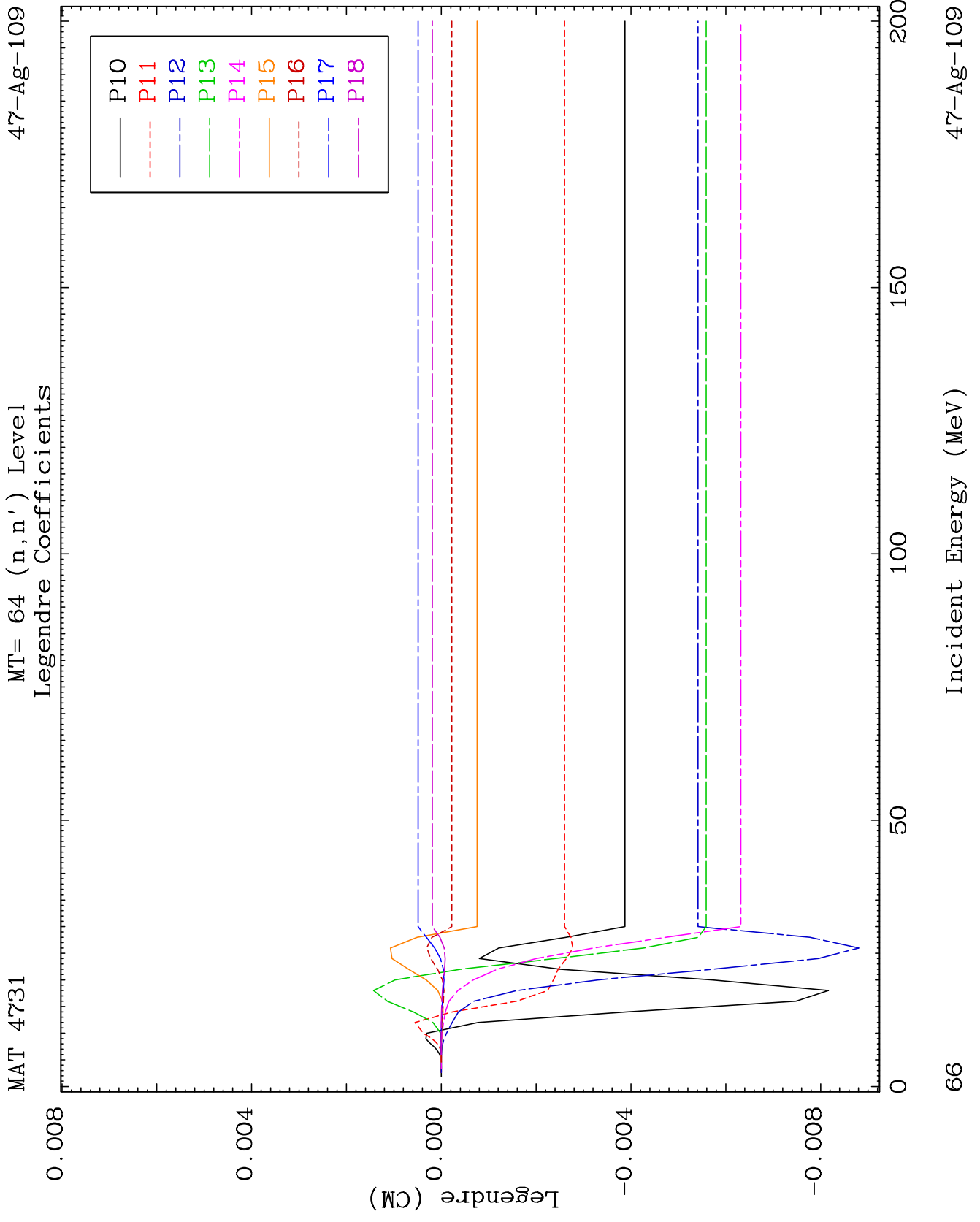
47-Ag-109



47-Ag-109

Incident Energy (MeV)

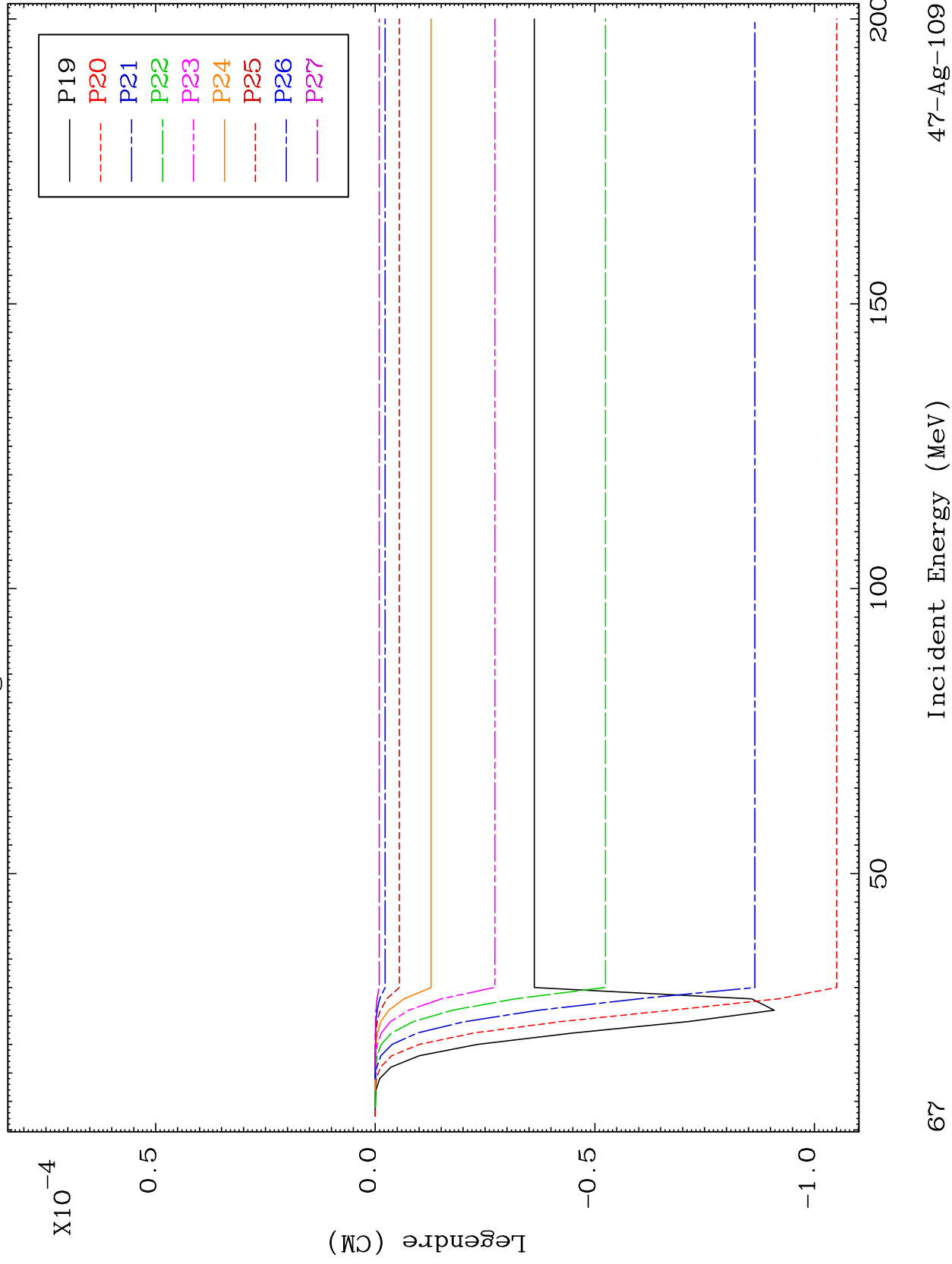
65



MAT 4731

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

47-Ag-109

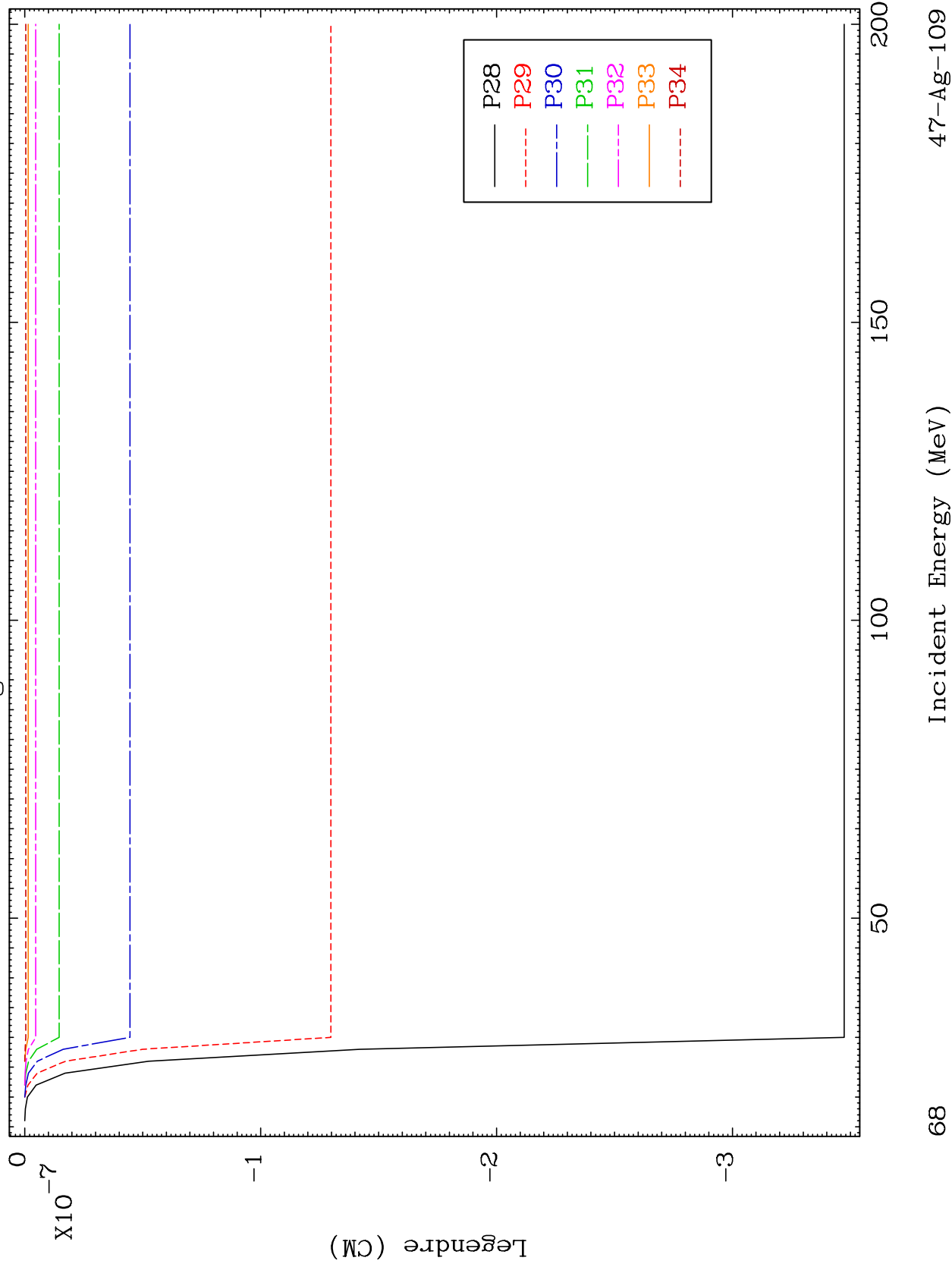


MAT 4731

MT= 64 (n,n') Level

47-Ag-109

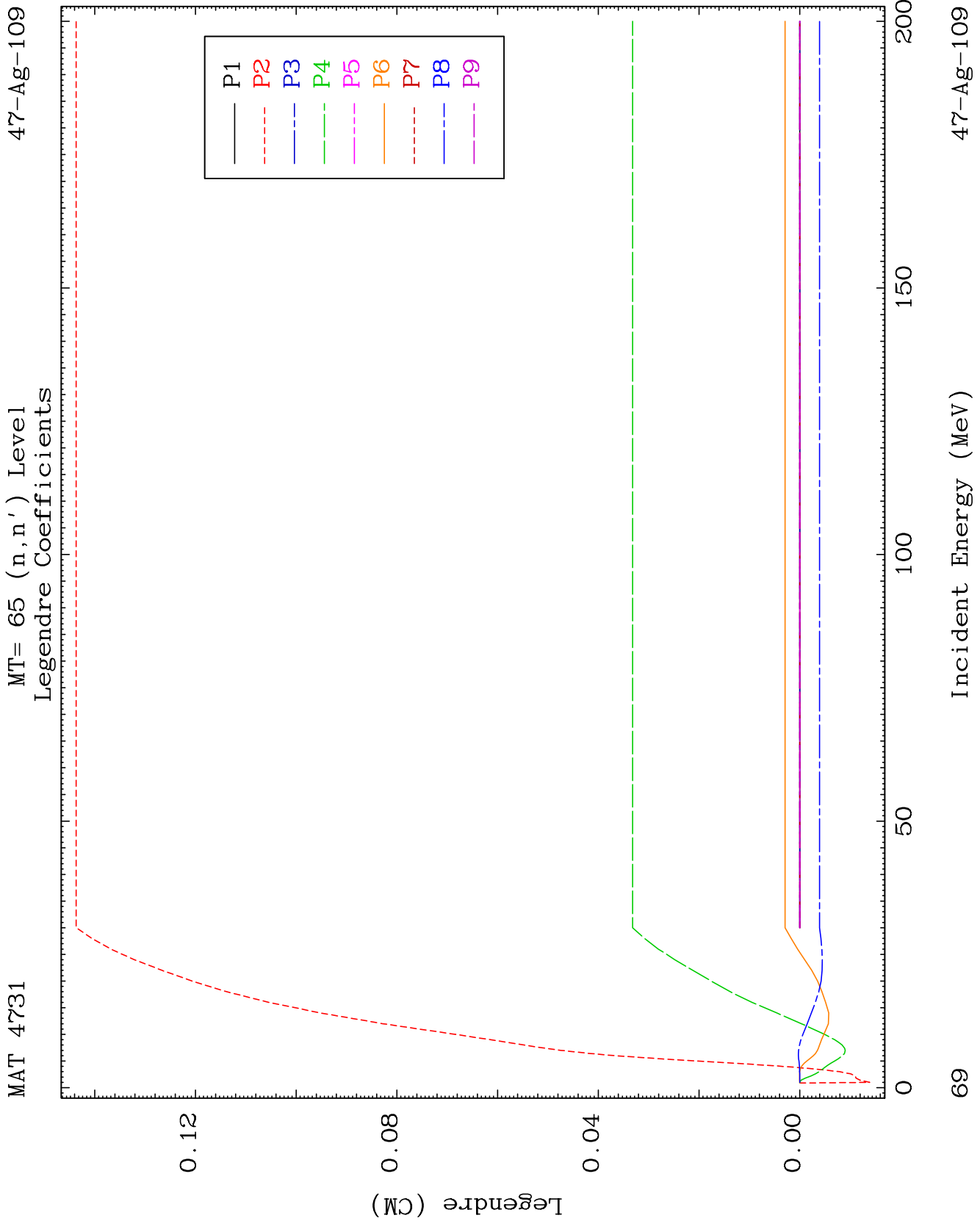
Legendre Coefficients



68

Incident Energy (MeV)

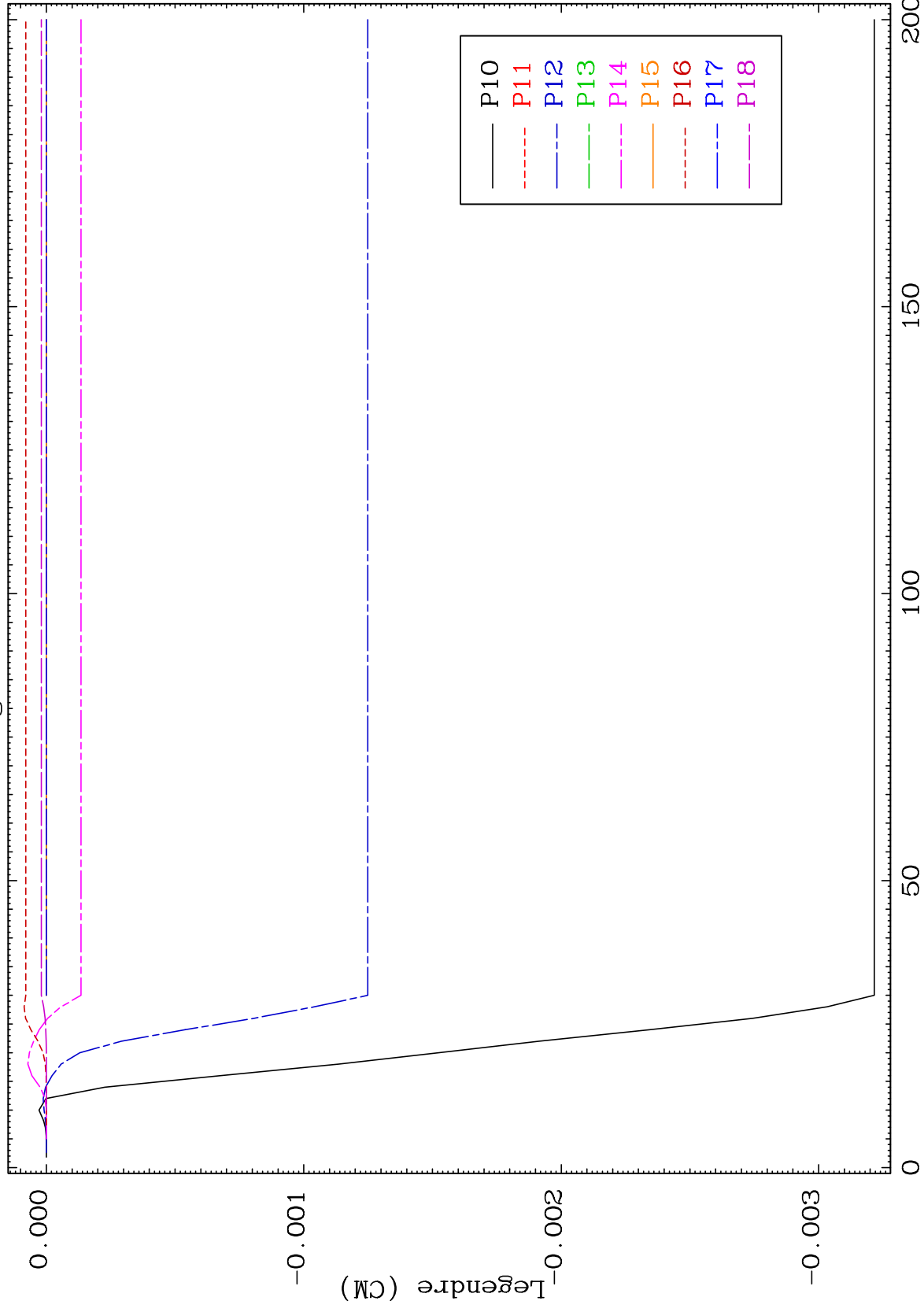
47-Ag-109



MAT 4731

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

47-Ag-109



70

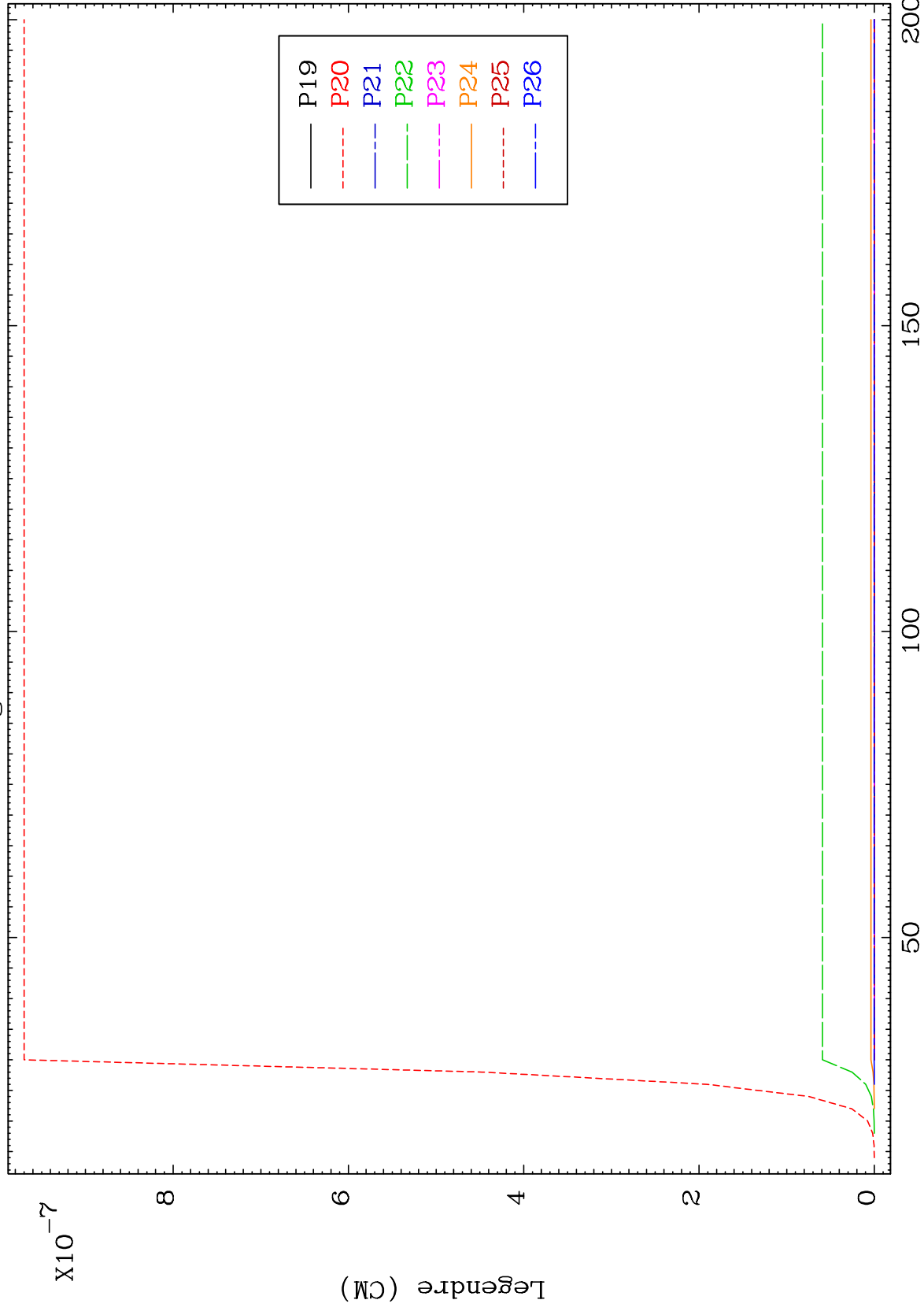
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



71

Incident Energy (MeV)

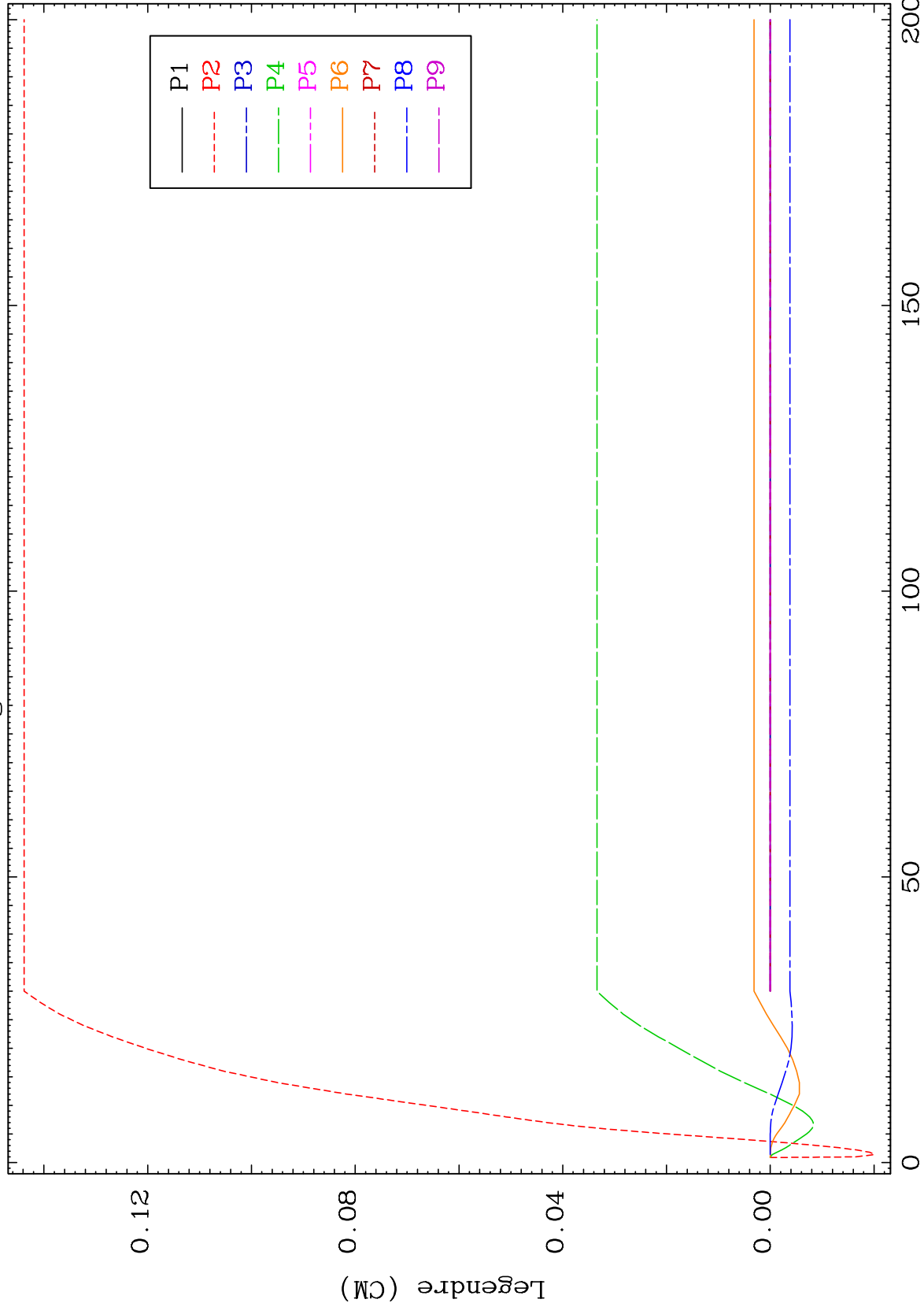
47-Ag-109



MAT 4731

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

47-Ag-109



72

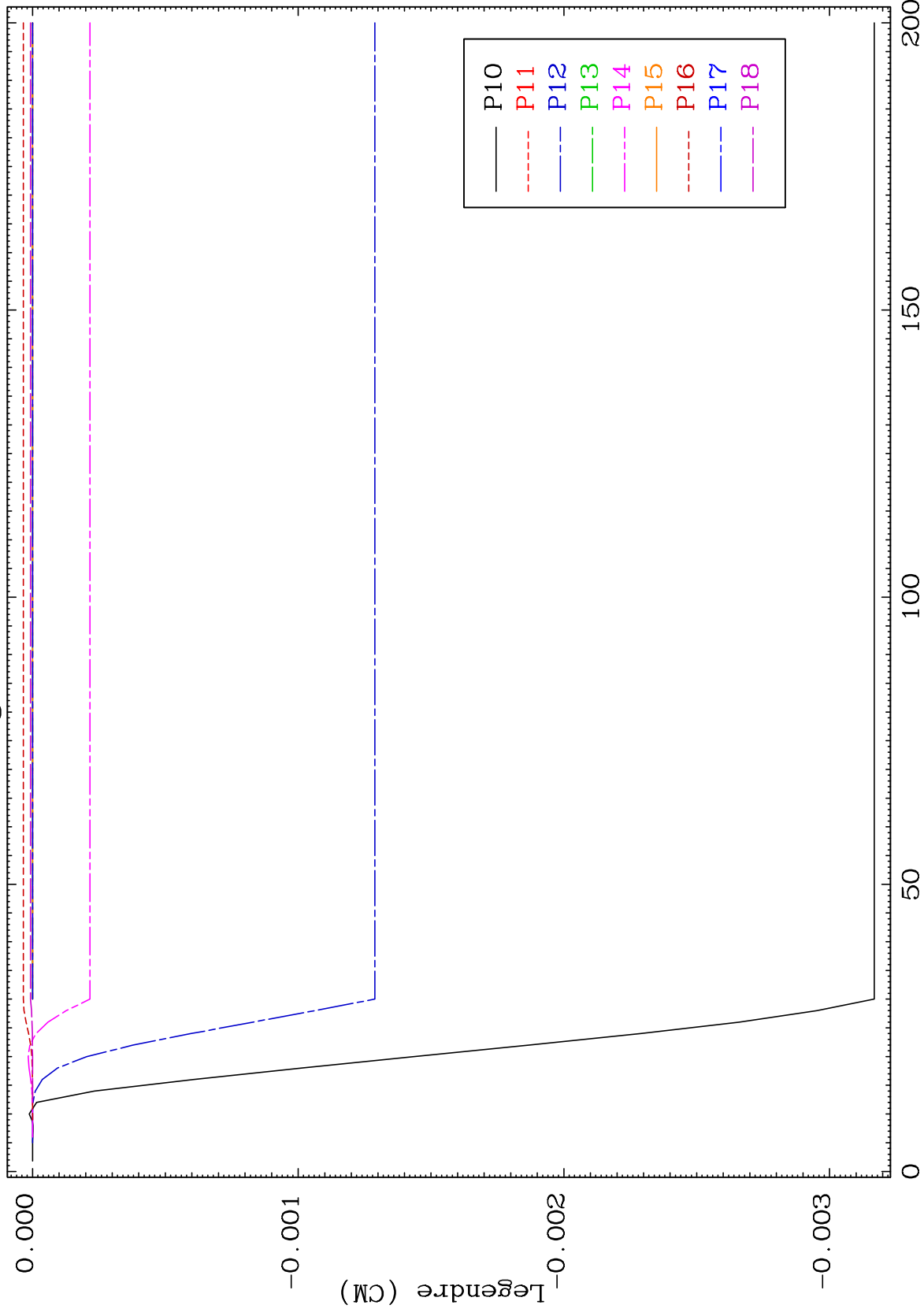
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



73

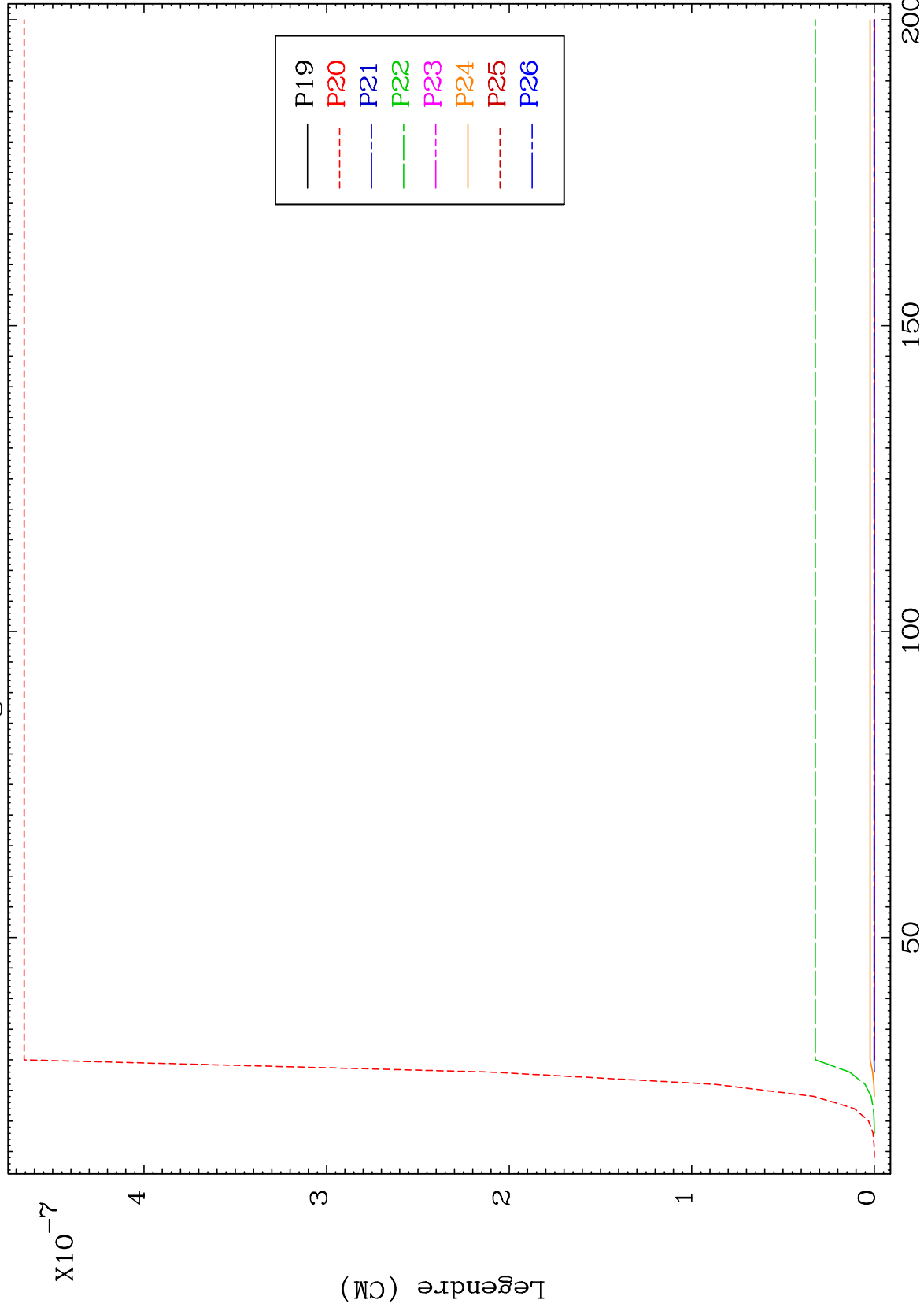
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



74

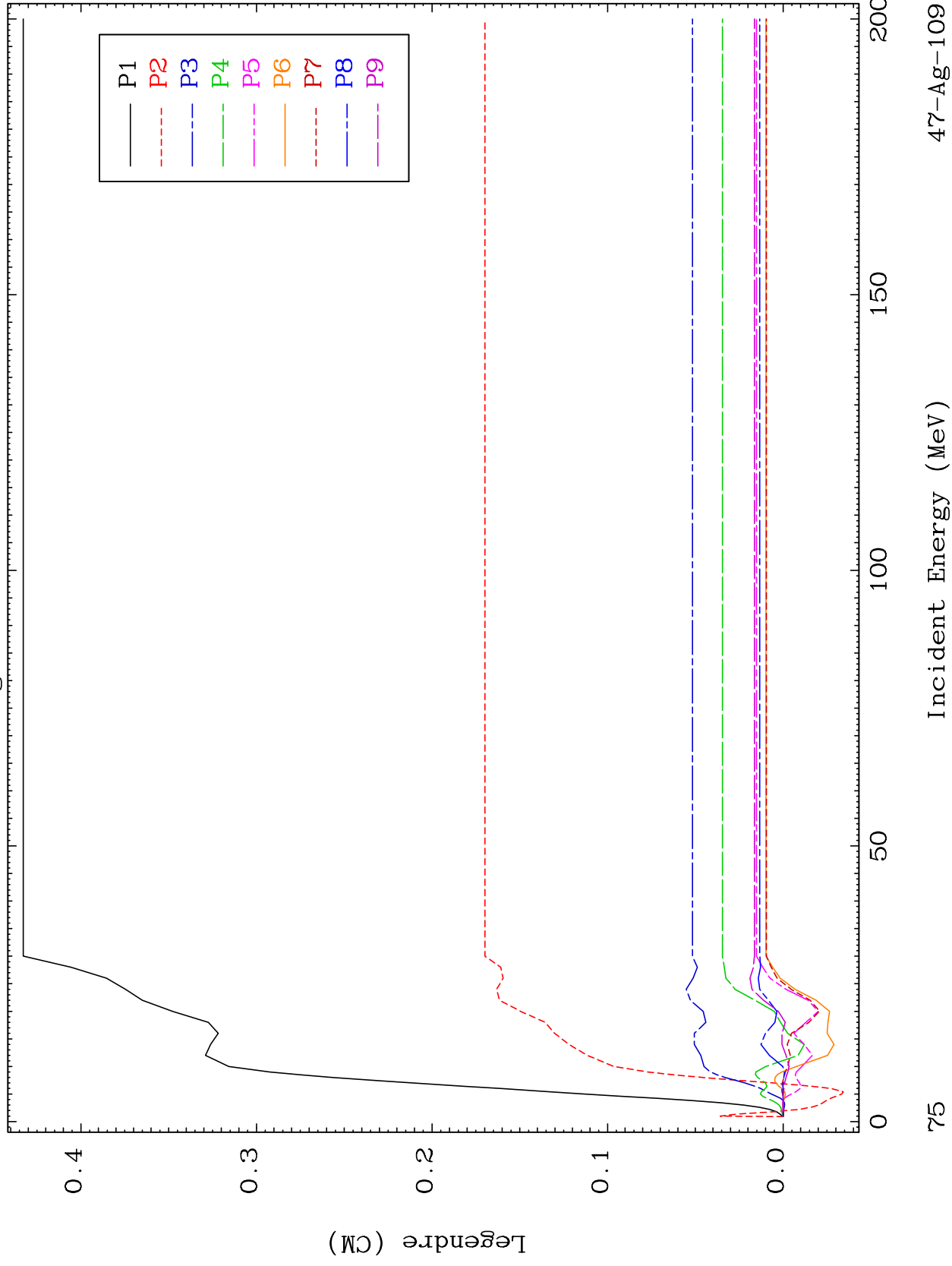
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



47-Ag-109

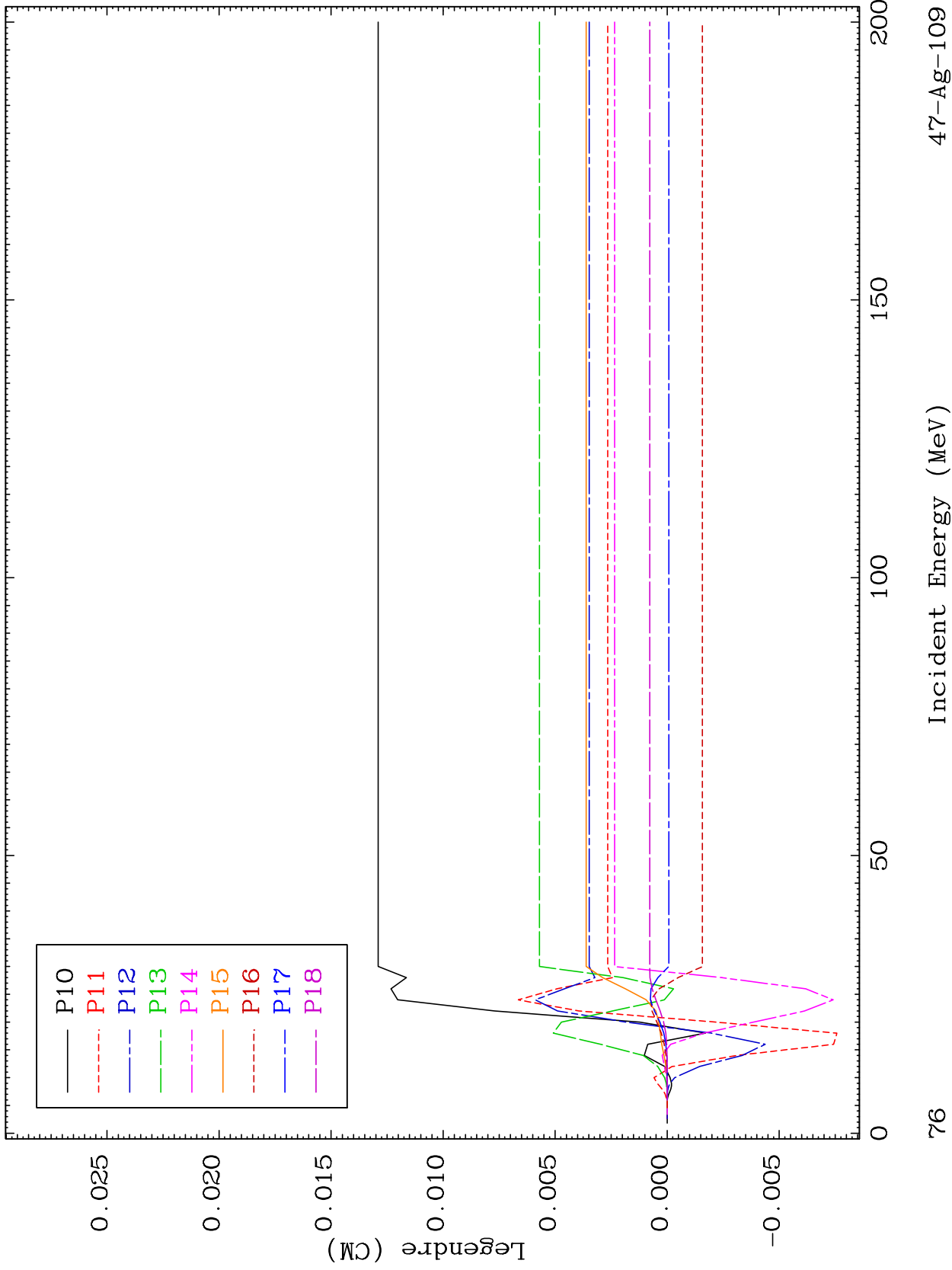
Incident Energy (MeV)

75

MAT 4731

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

47-Ag-109



76

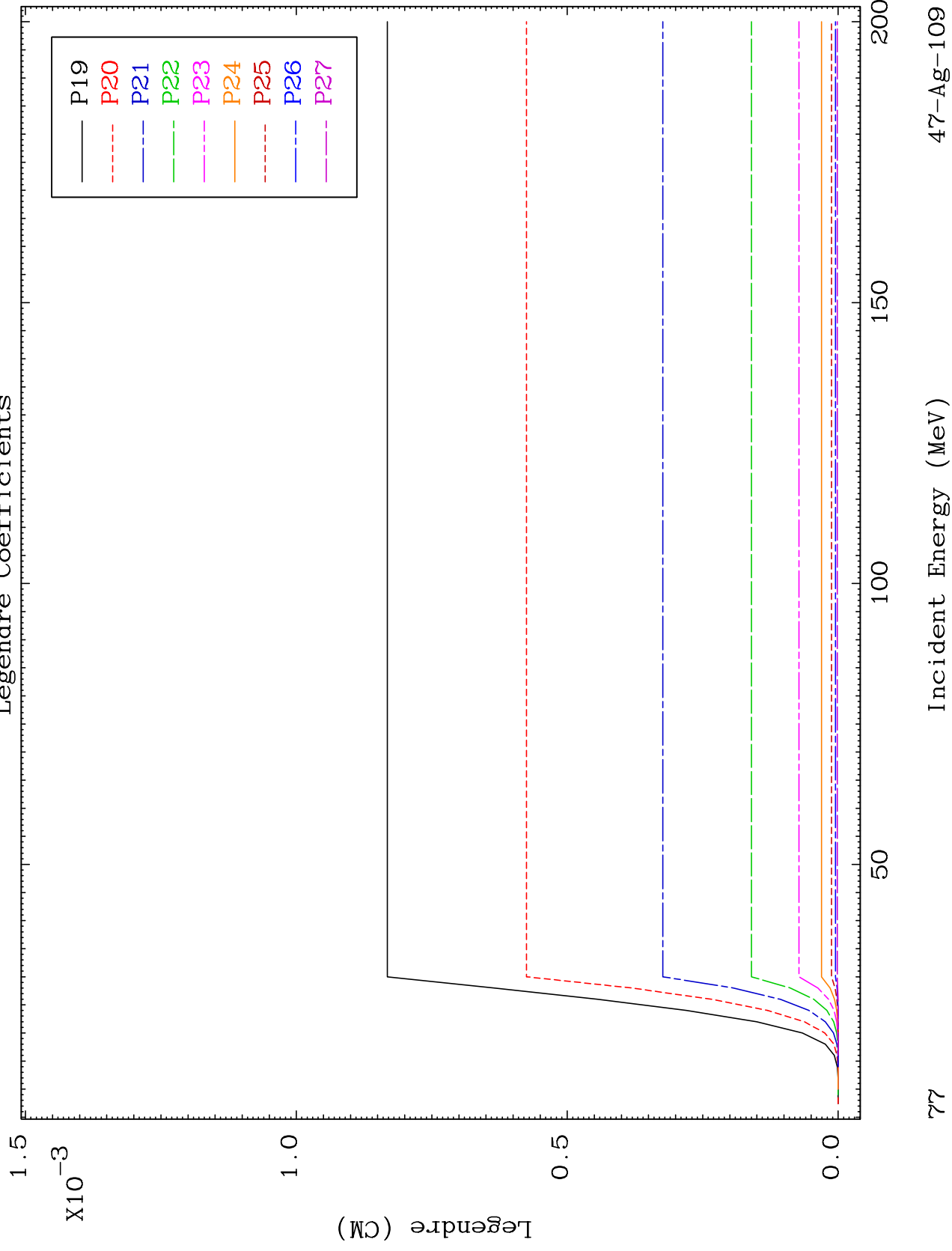
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

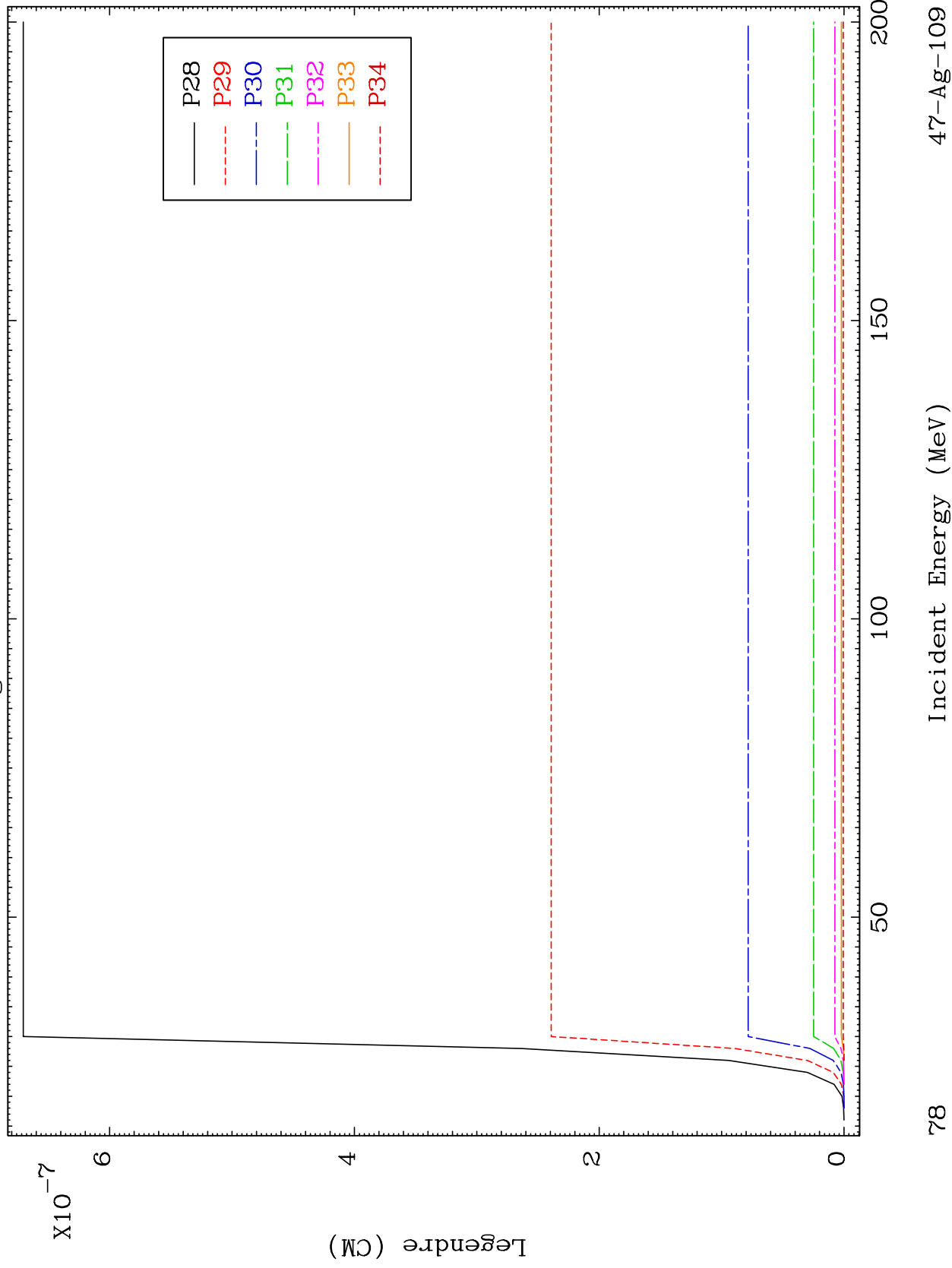
47-Ag-109



MAT 4731

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

47-Ag-109



78

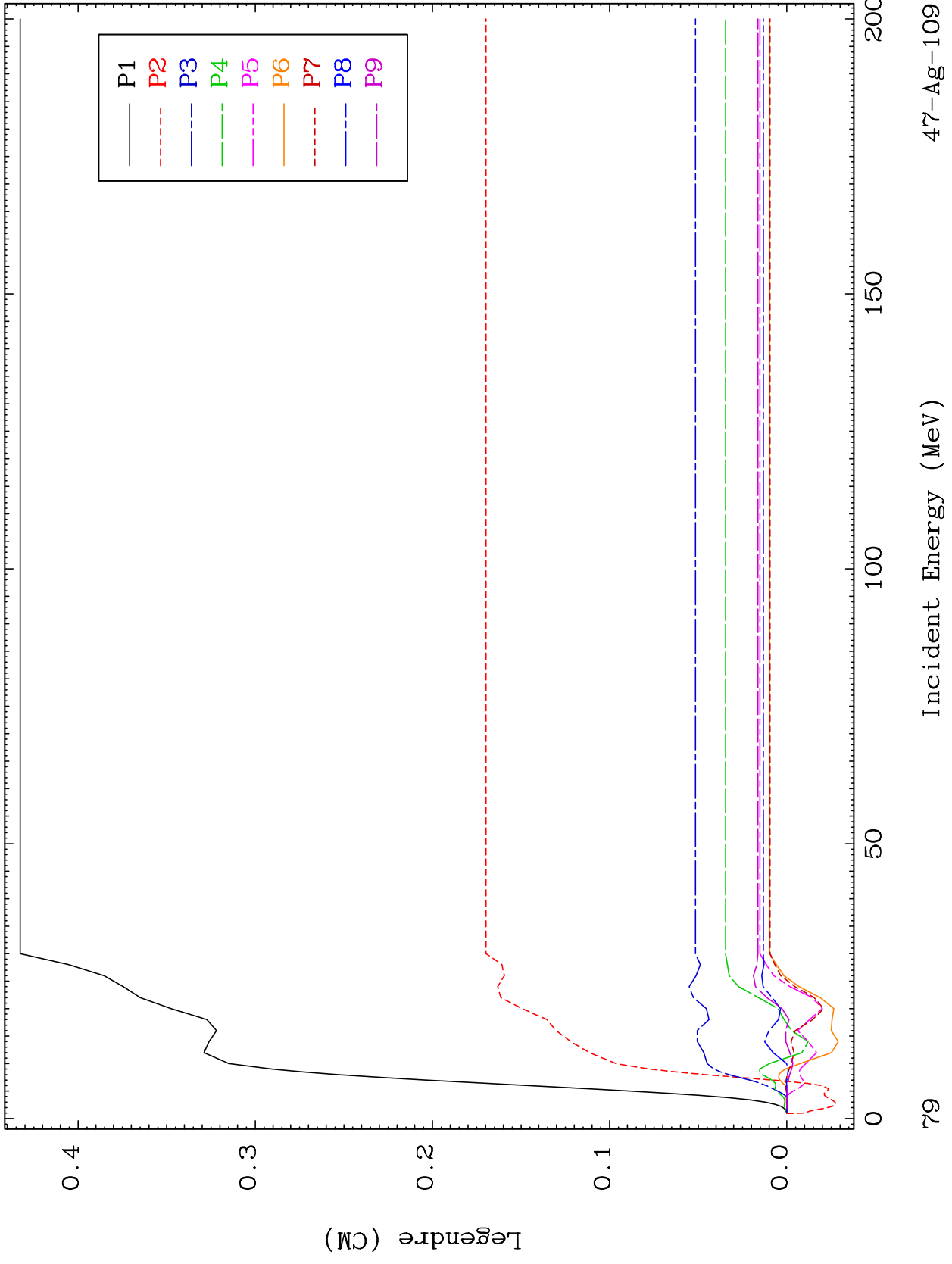
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



79

Incident Energy (MeV)

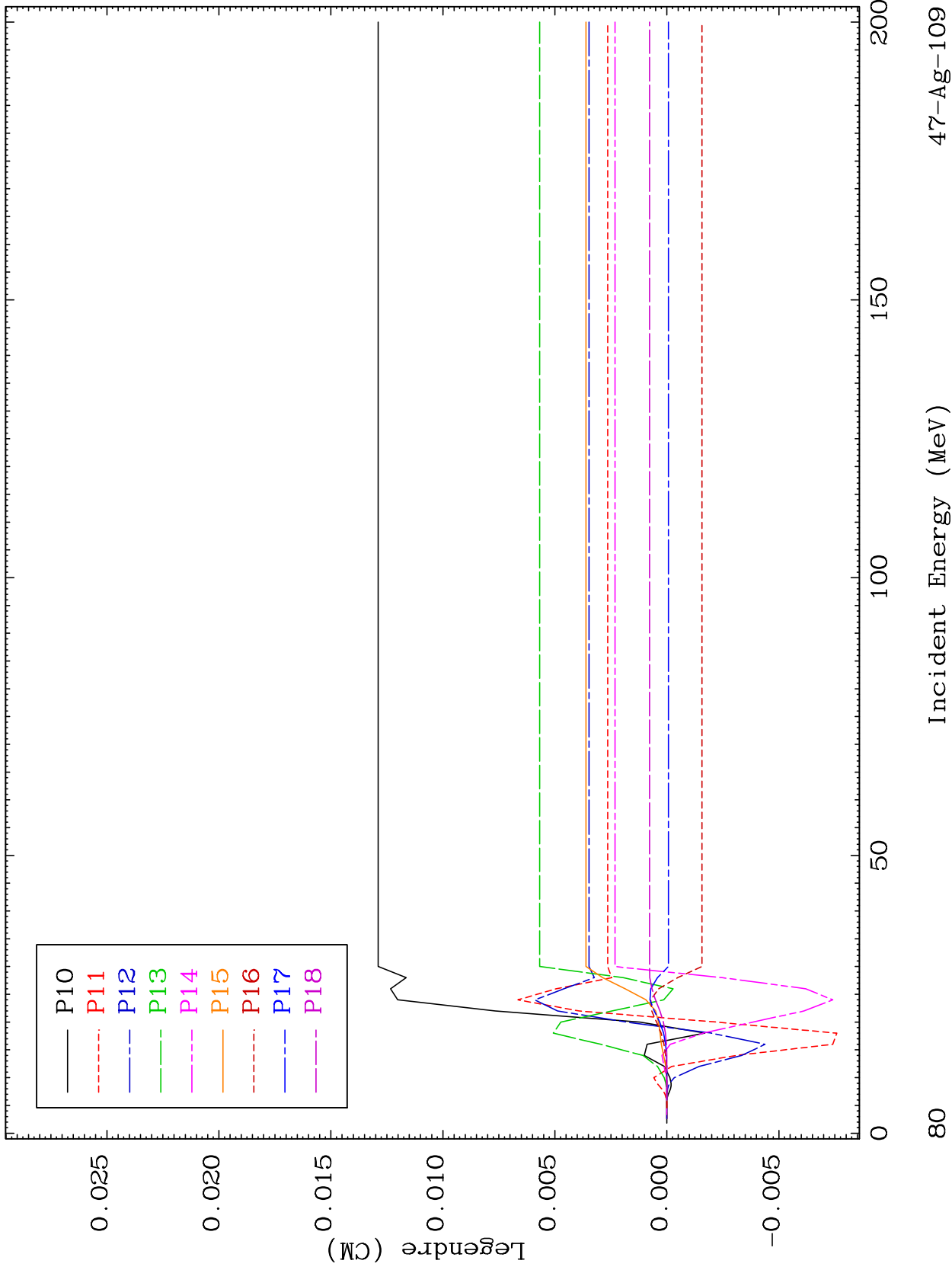
47-Ag-109



MAT 4731

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

47-Ag-109



47-Ag-109

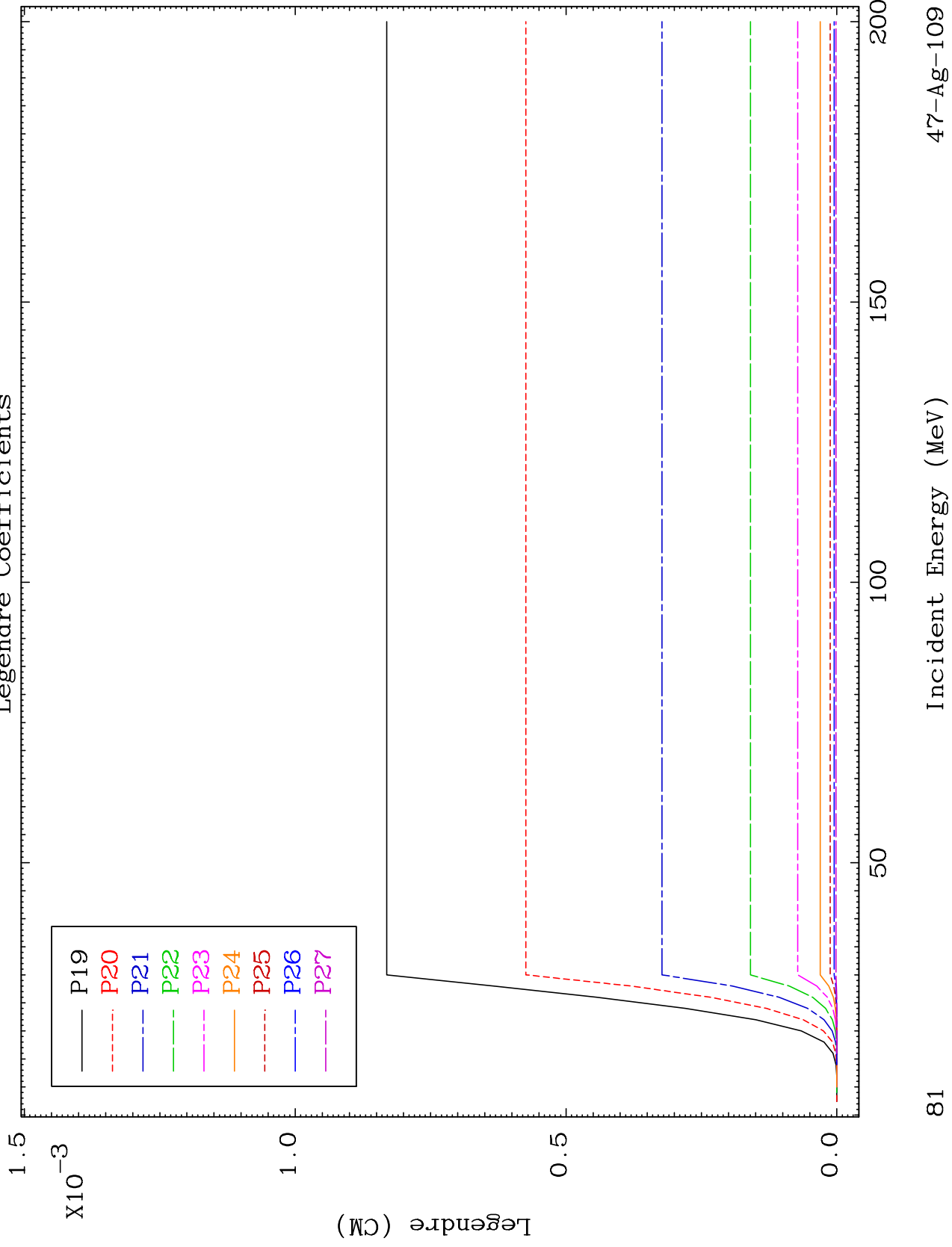
Incident Energy (MeV)

80

MAT 4731

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

47-Ag-109



81

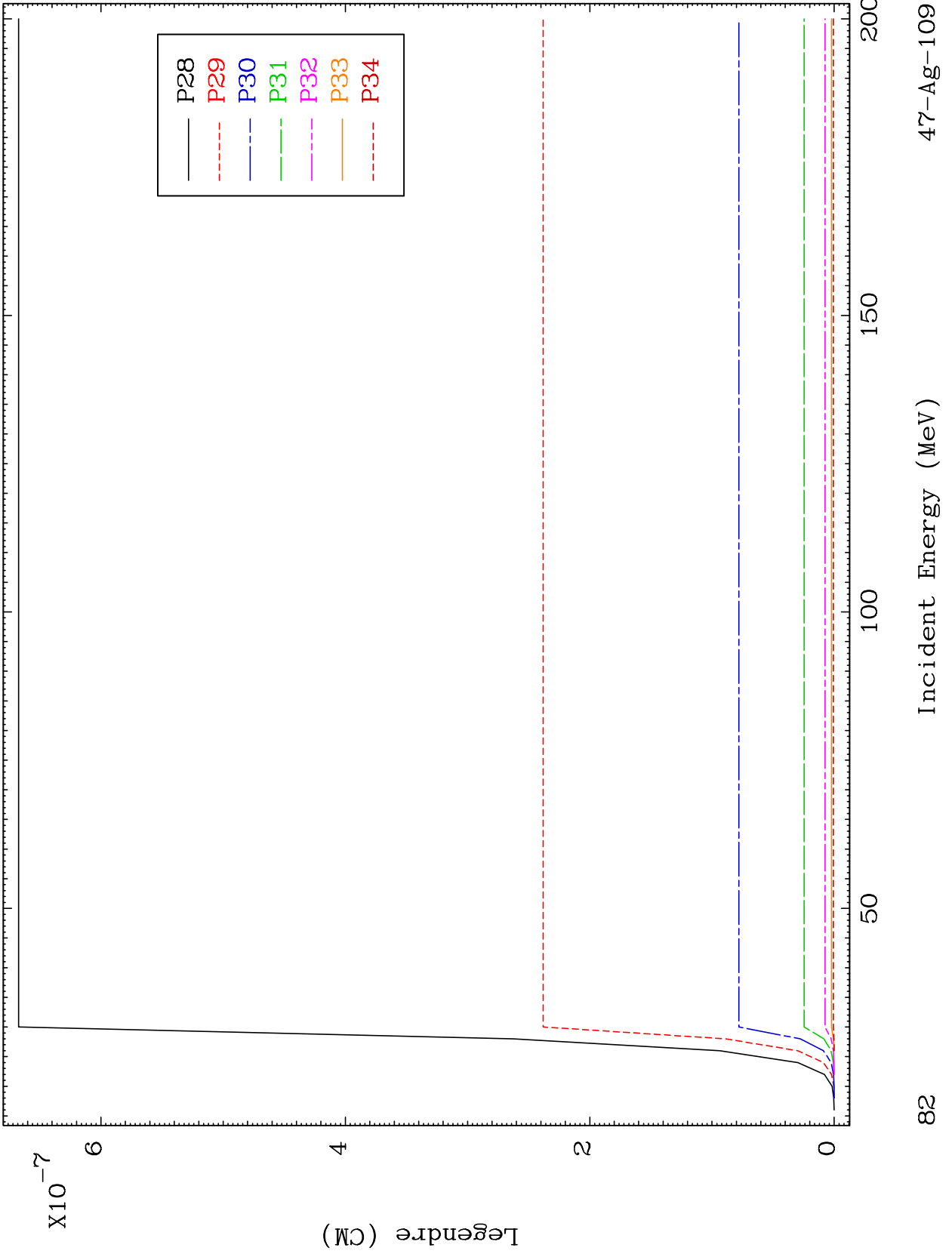
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109

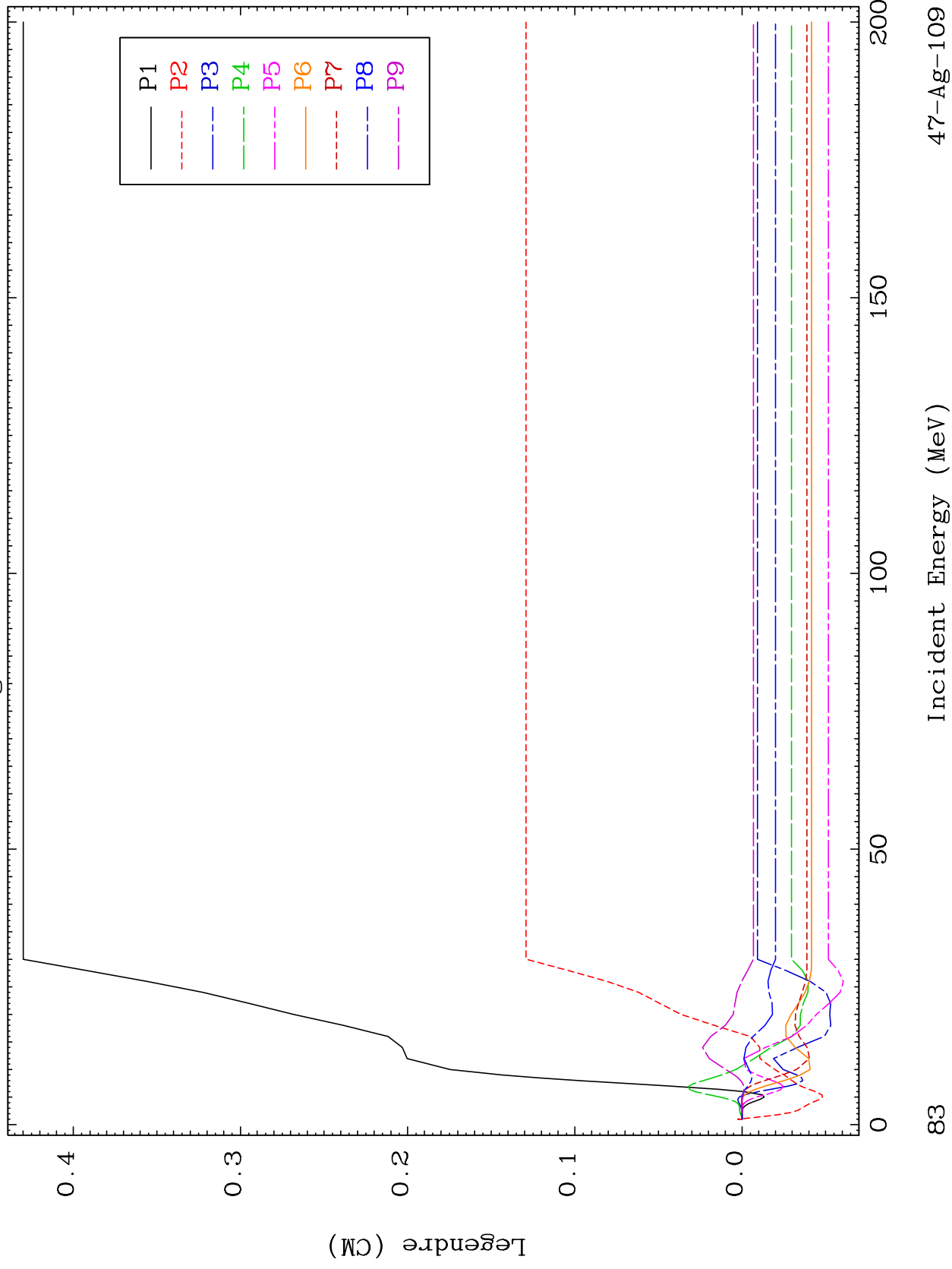


82

MAT 4731

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

47-Ag-109



83

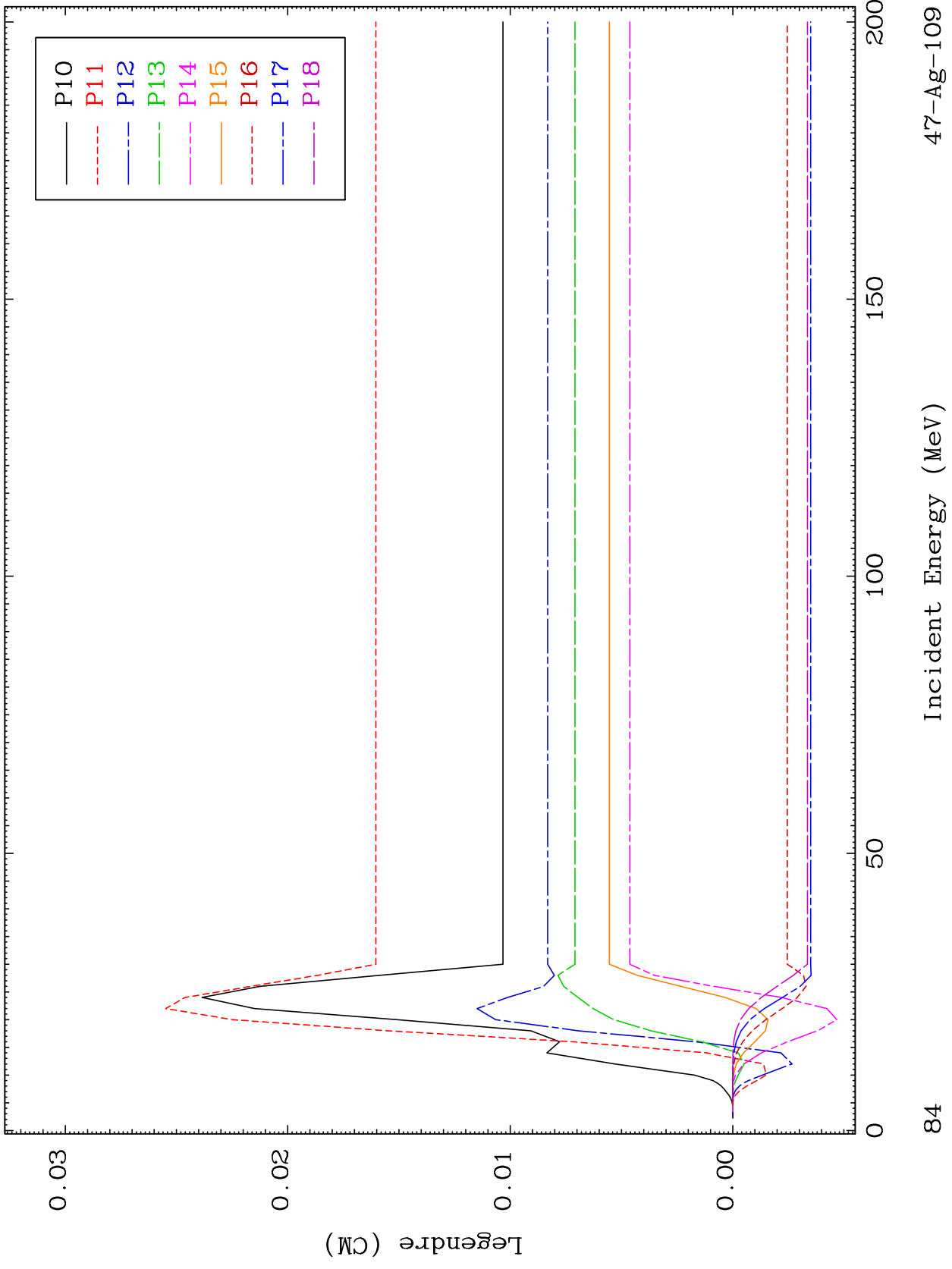
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



84

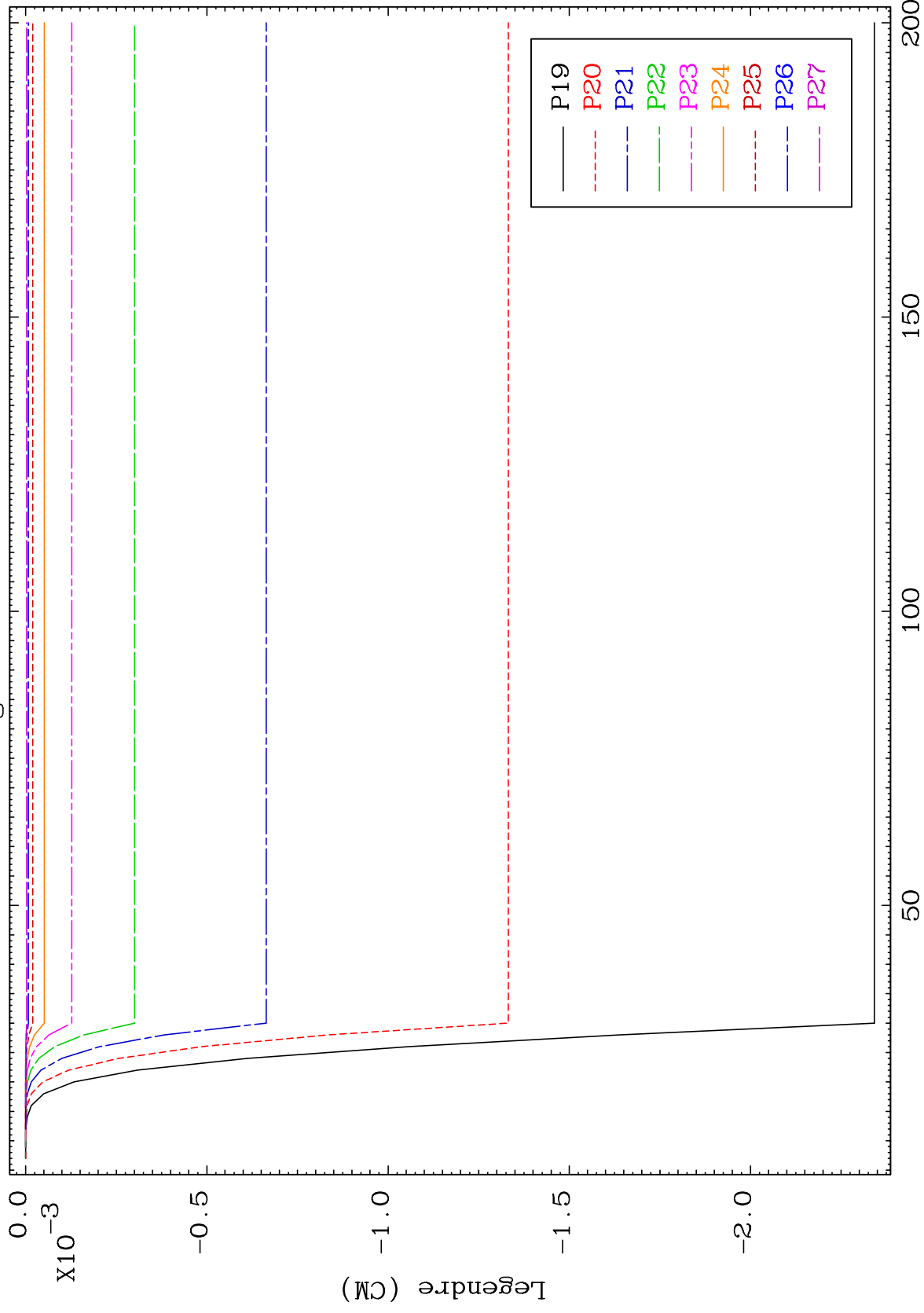
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

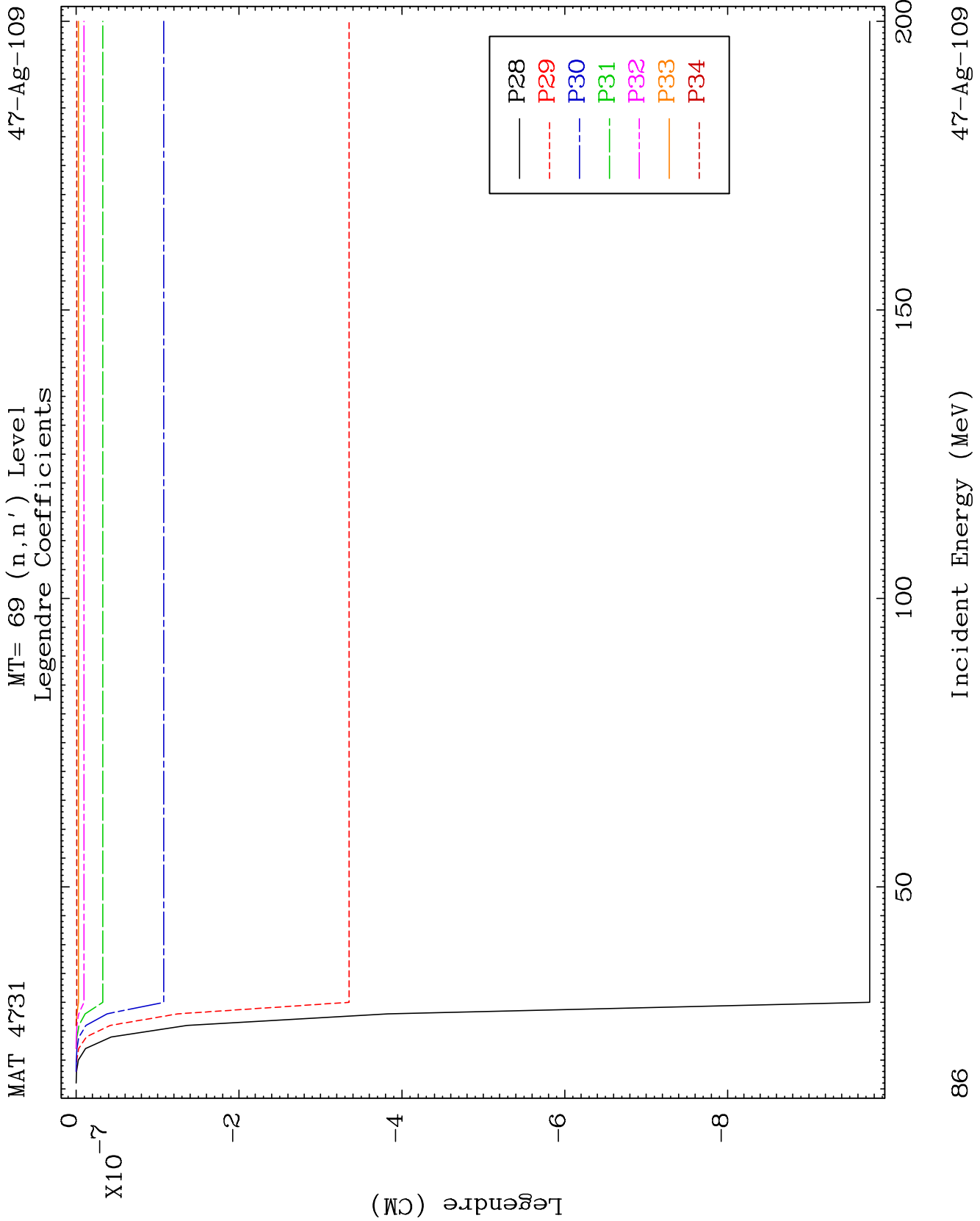
47-Ag-109



85

Incident Energy (MeV)

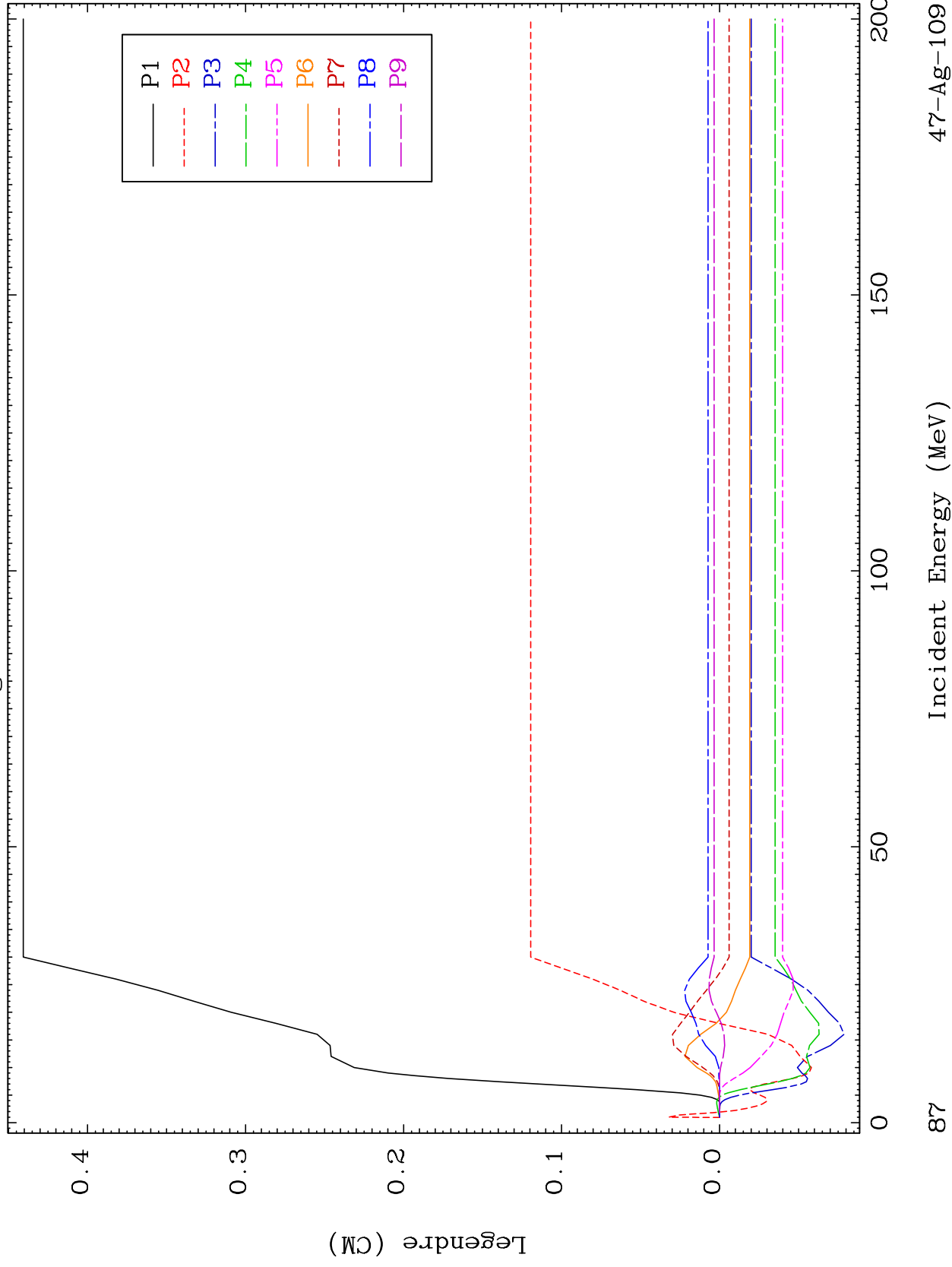
47-Ag-109



MAT 4731

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

47-Ag-109



47-Ag-109

Incident Energy (MeV)

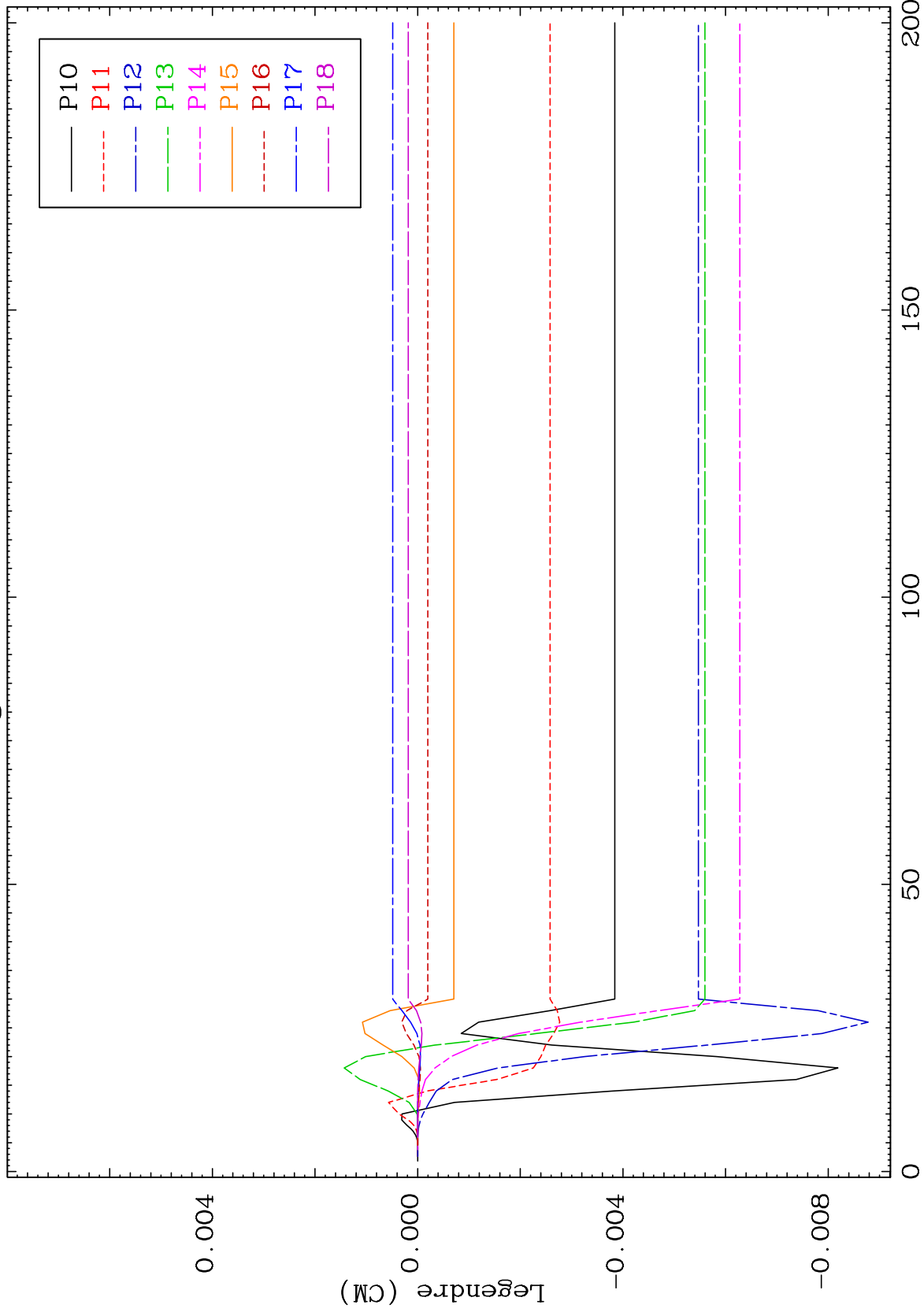
87



MAT 4731

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

47-Ag-109



88

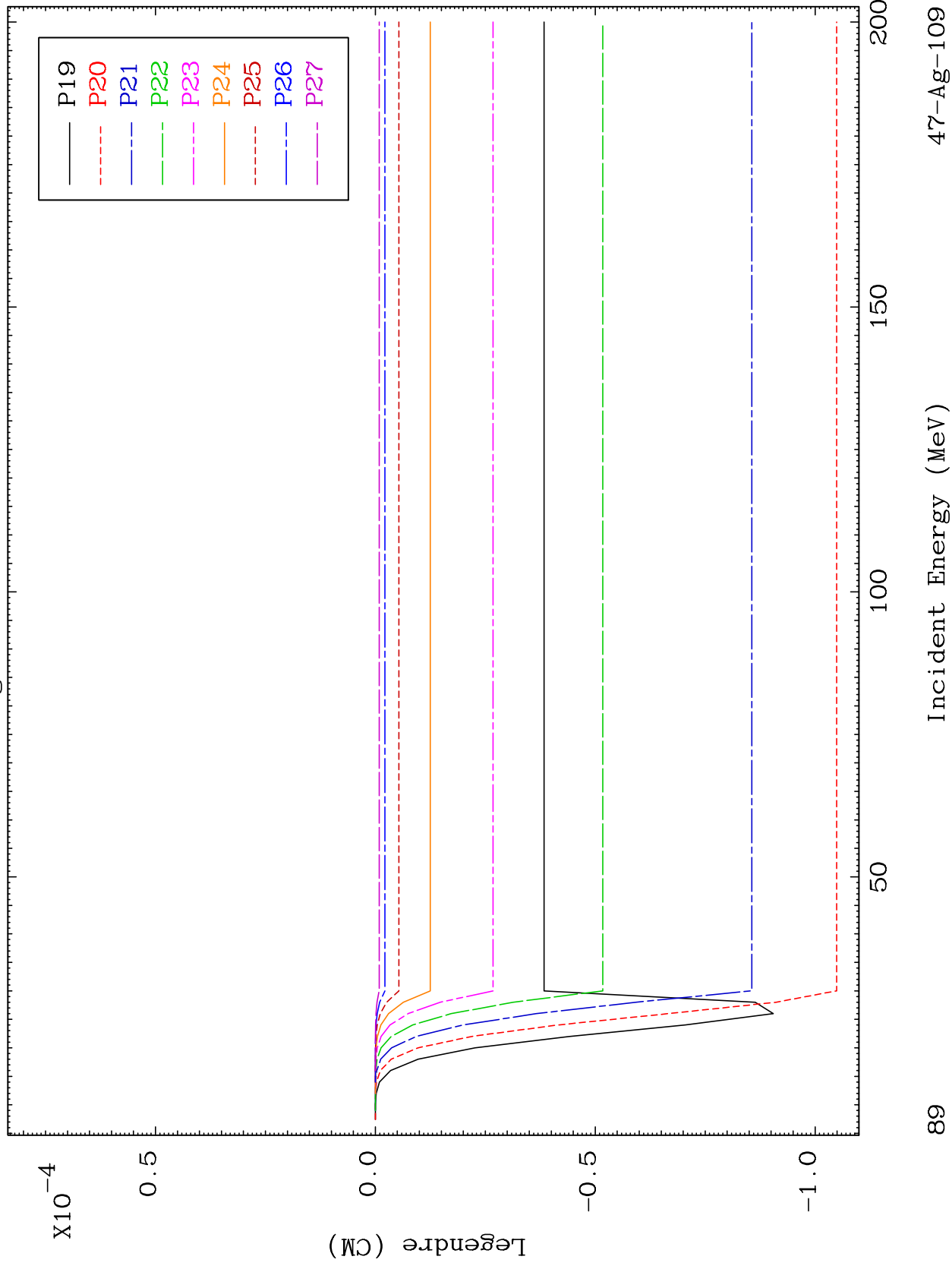
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

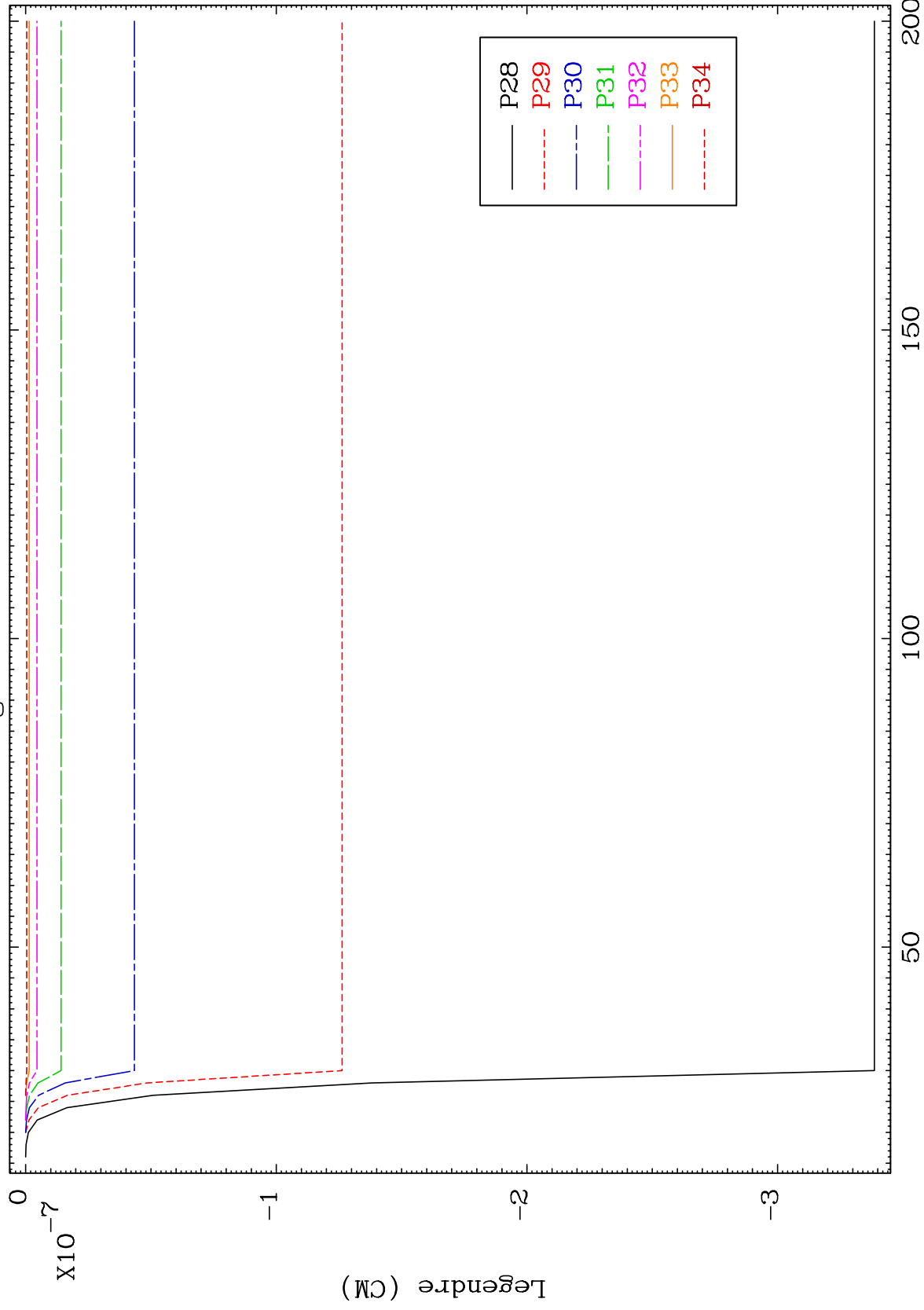
47-Ag-109



MAT 4731

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

47-Ag-109



90

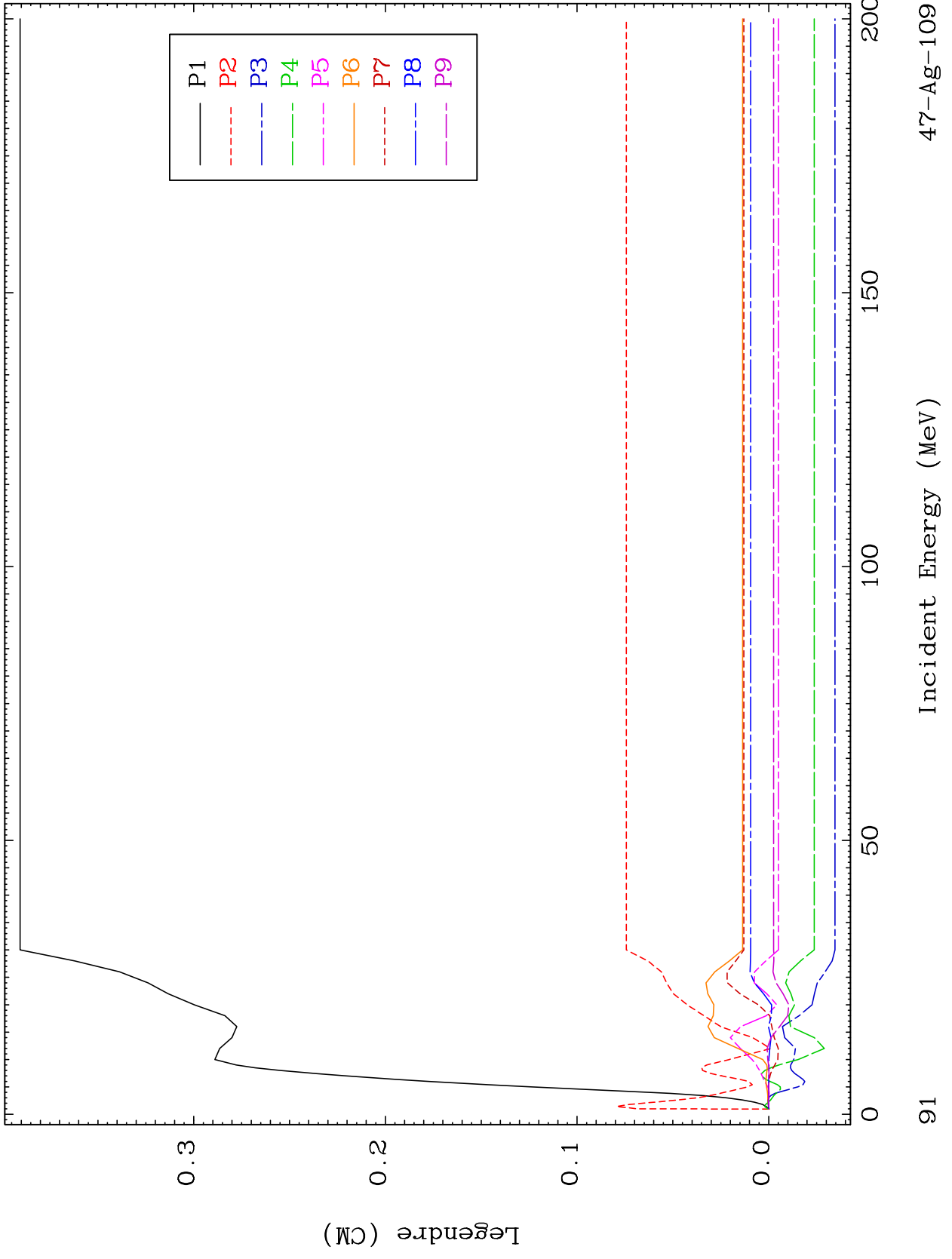
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



91

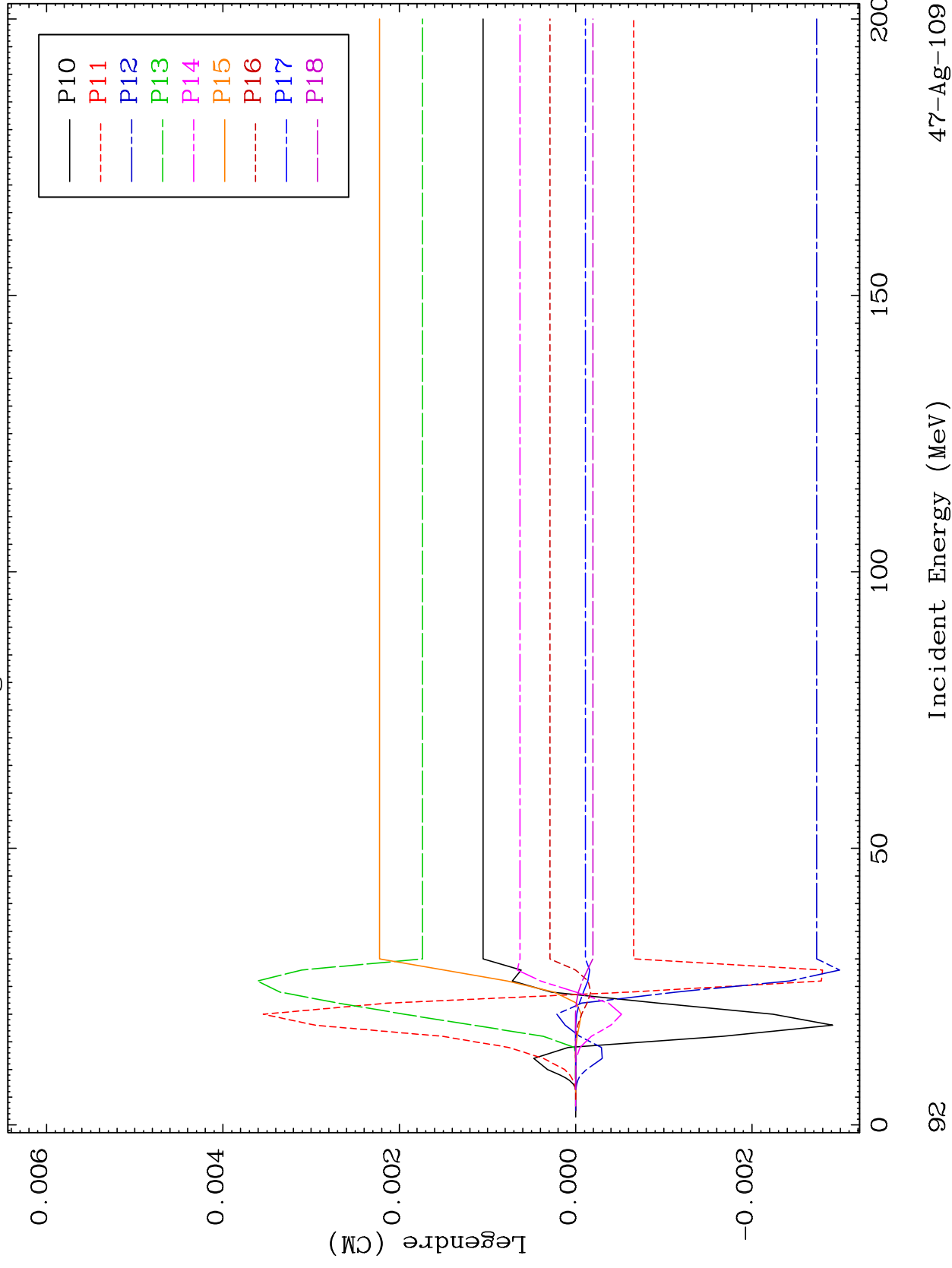
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



92

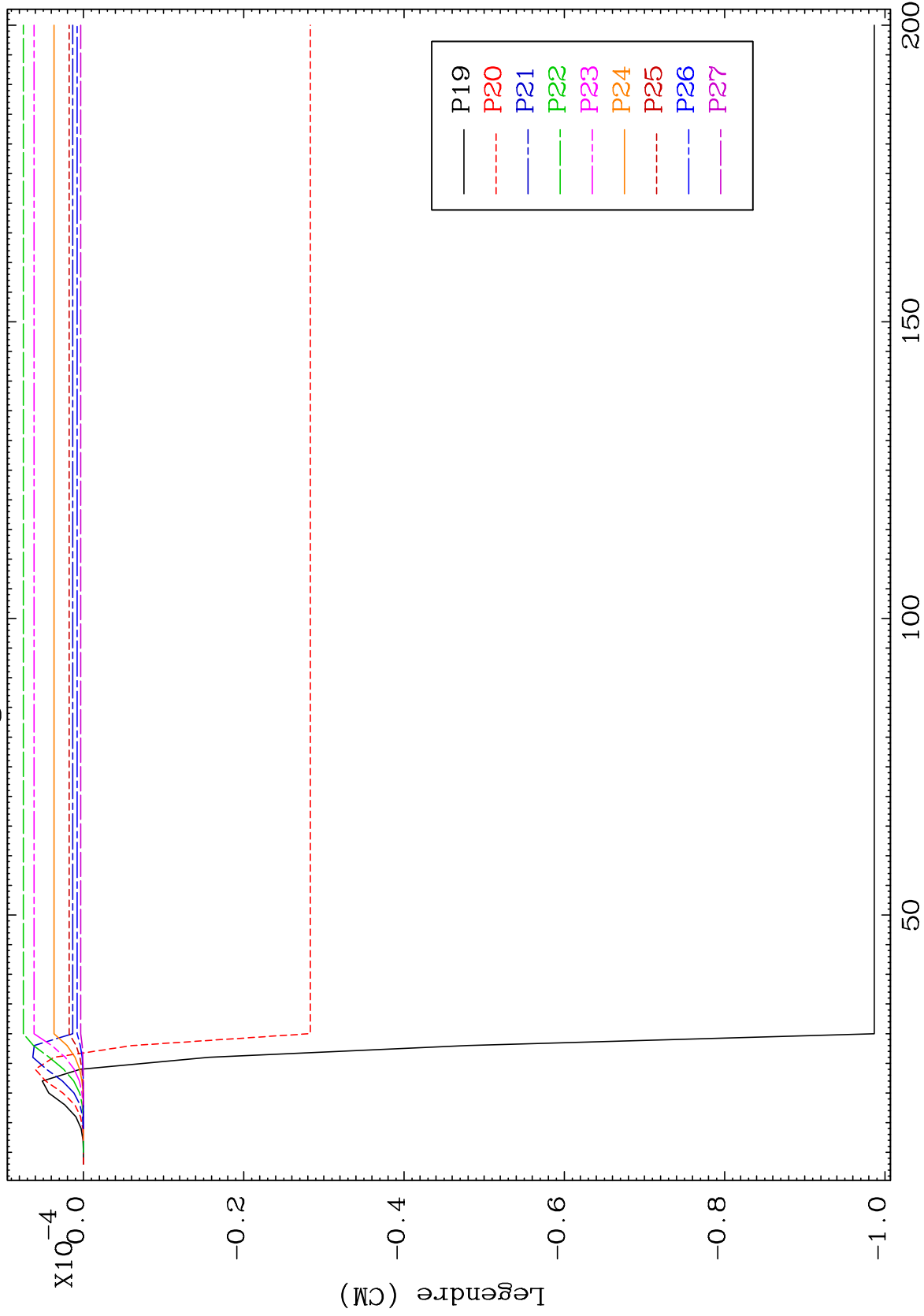
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

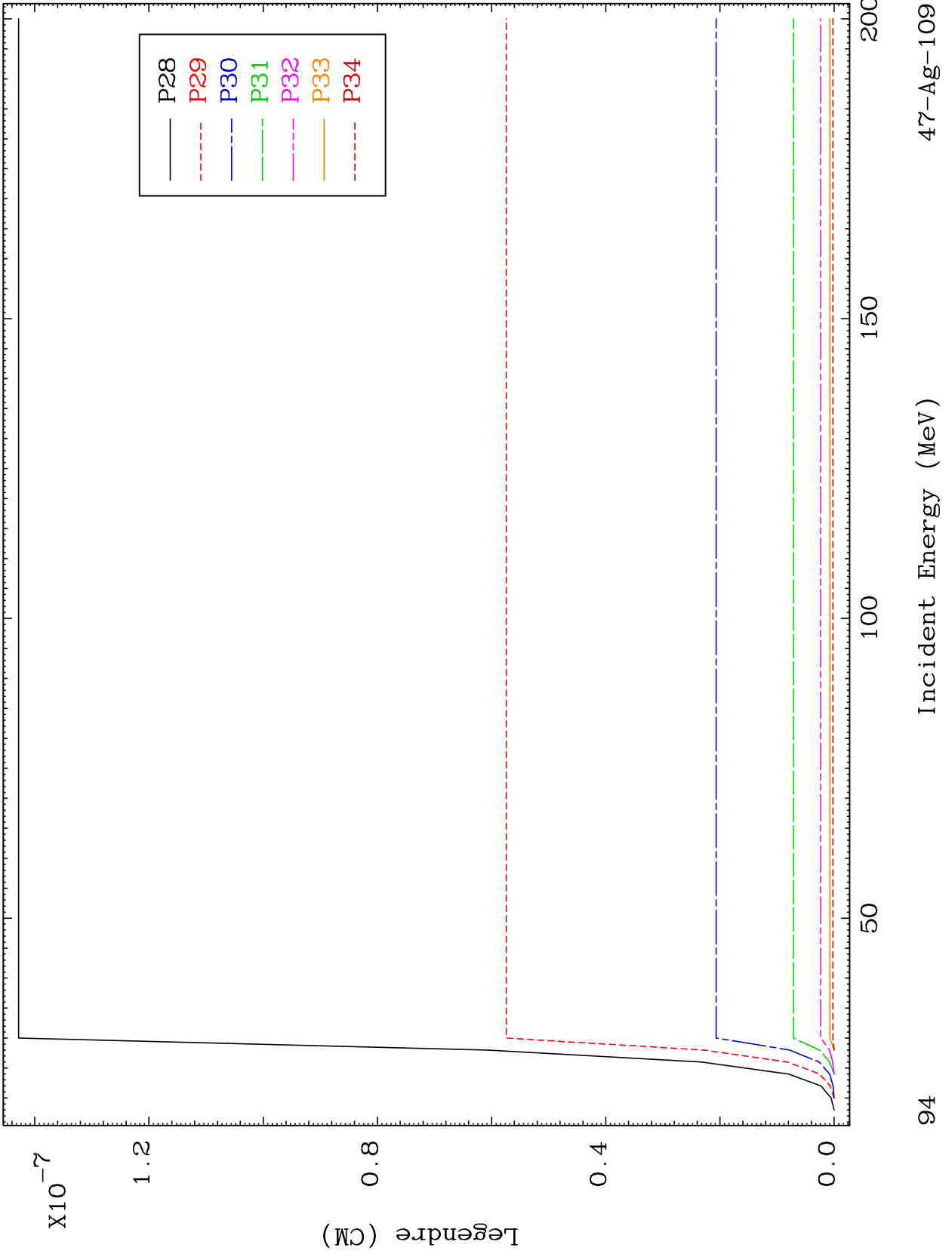
47-Ag-109



MAT 4731

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

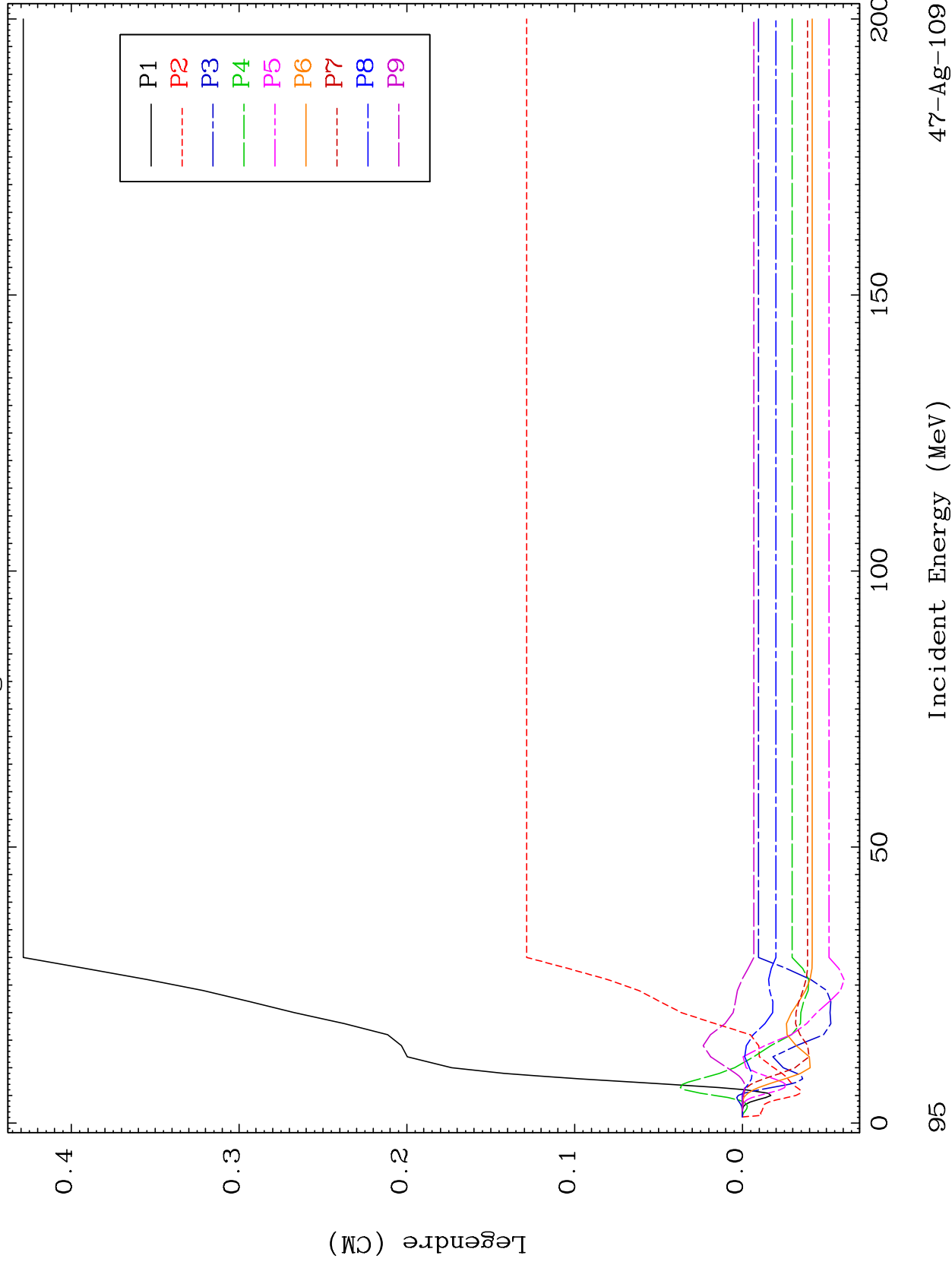
47-Ag-109



MAT 4731

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

47-Ag-109



47-Ag-109

Incident Energy (MeV)

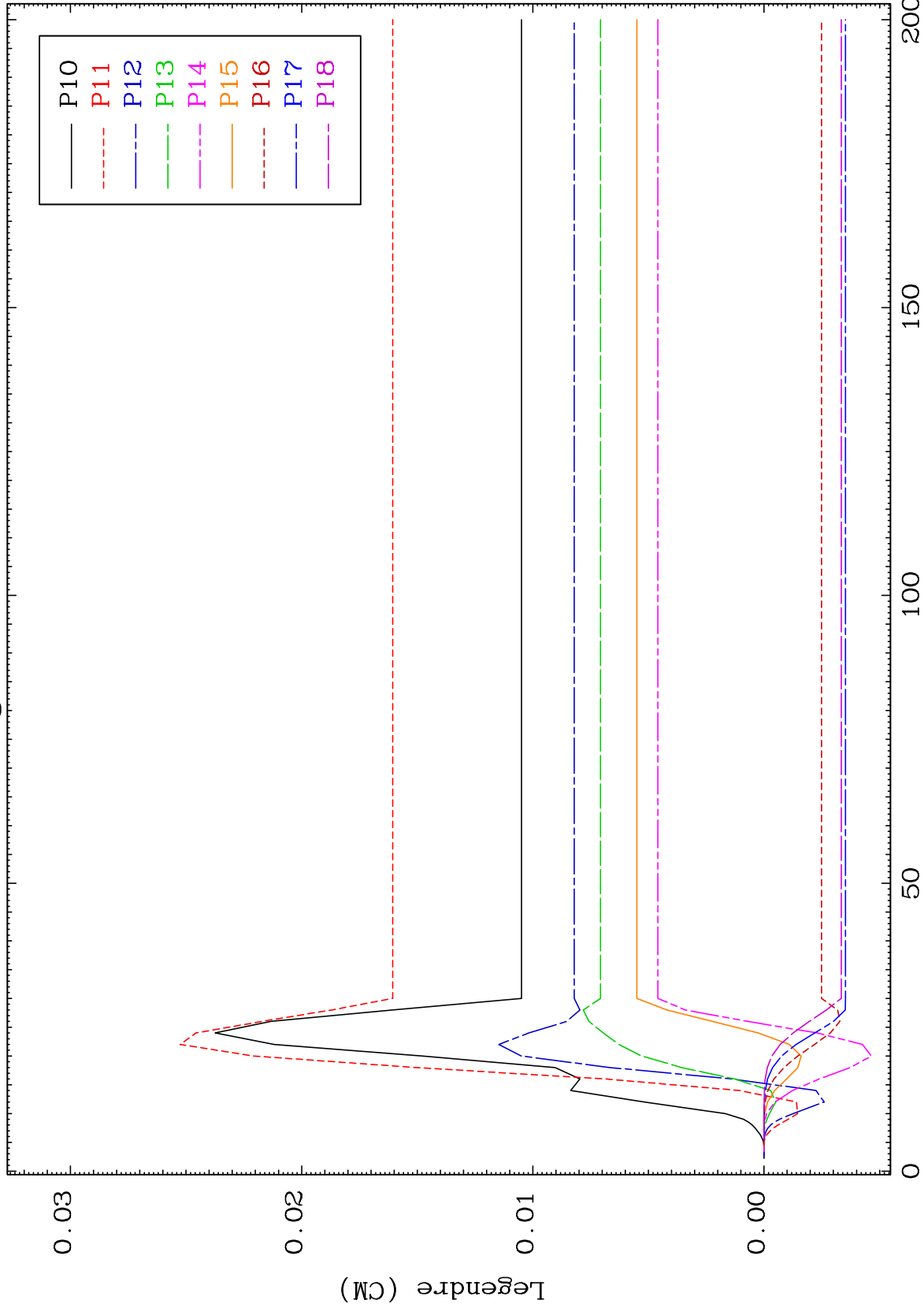
95



MAT 4731

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

47-Ag-109



96

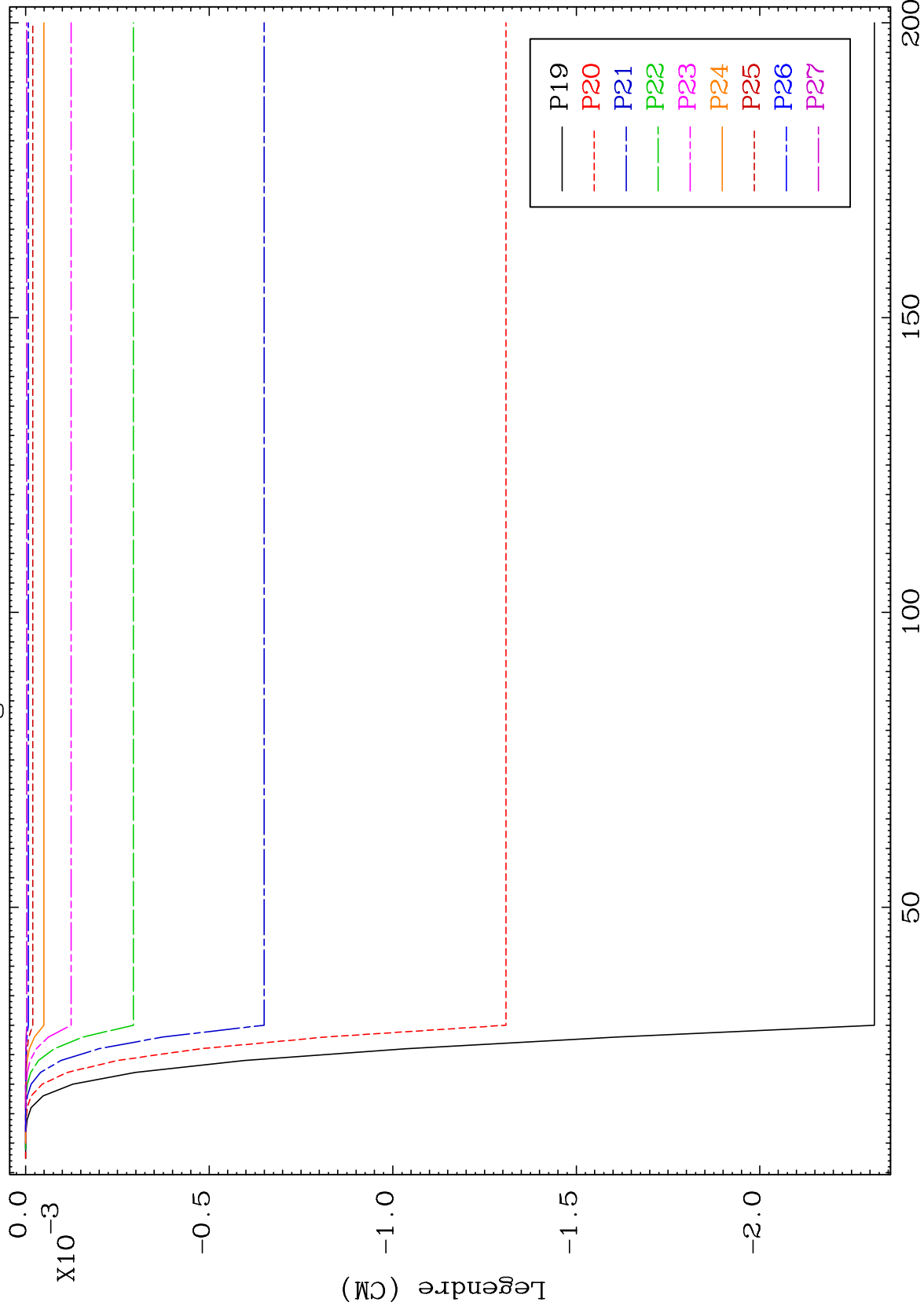
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



97

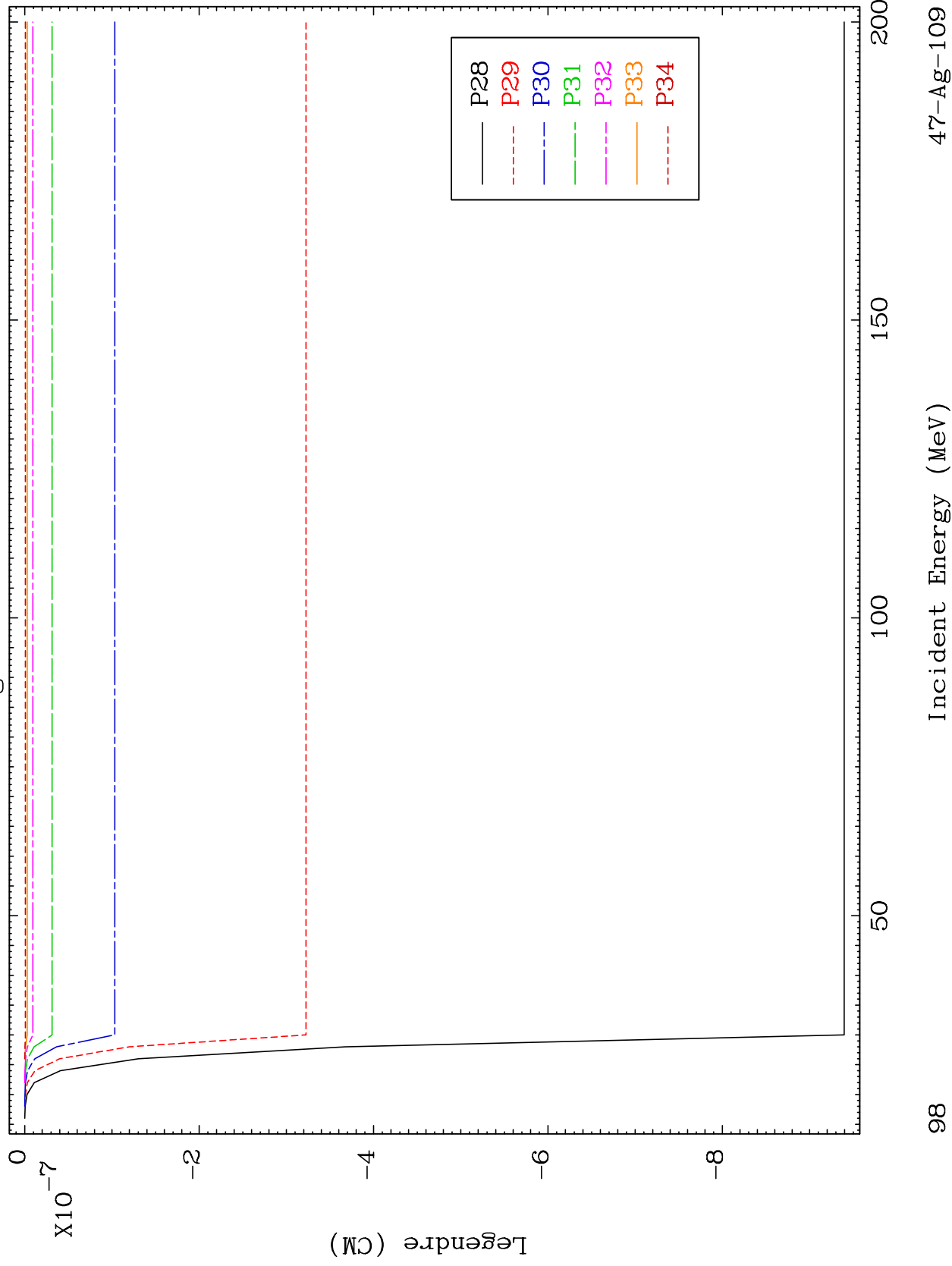
Incident Energy (MeV)

47-Ag-109

MAT 4731

47-Ag-109

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



98

Incident Energy (MeV)

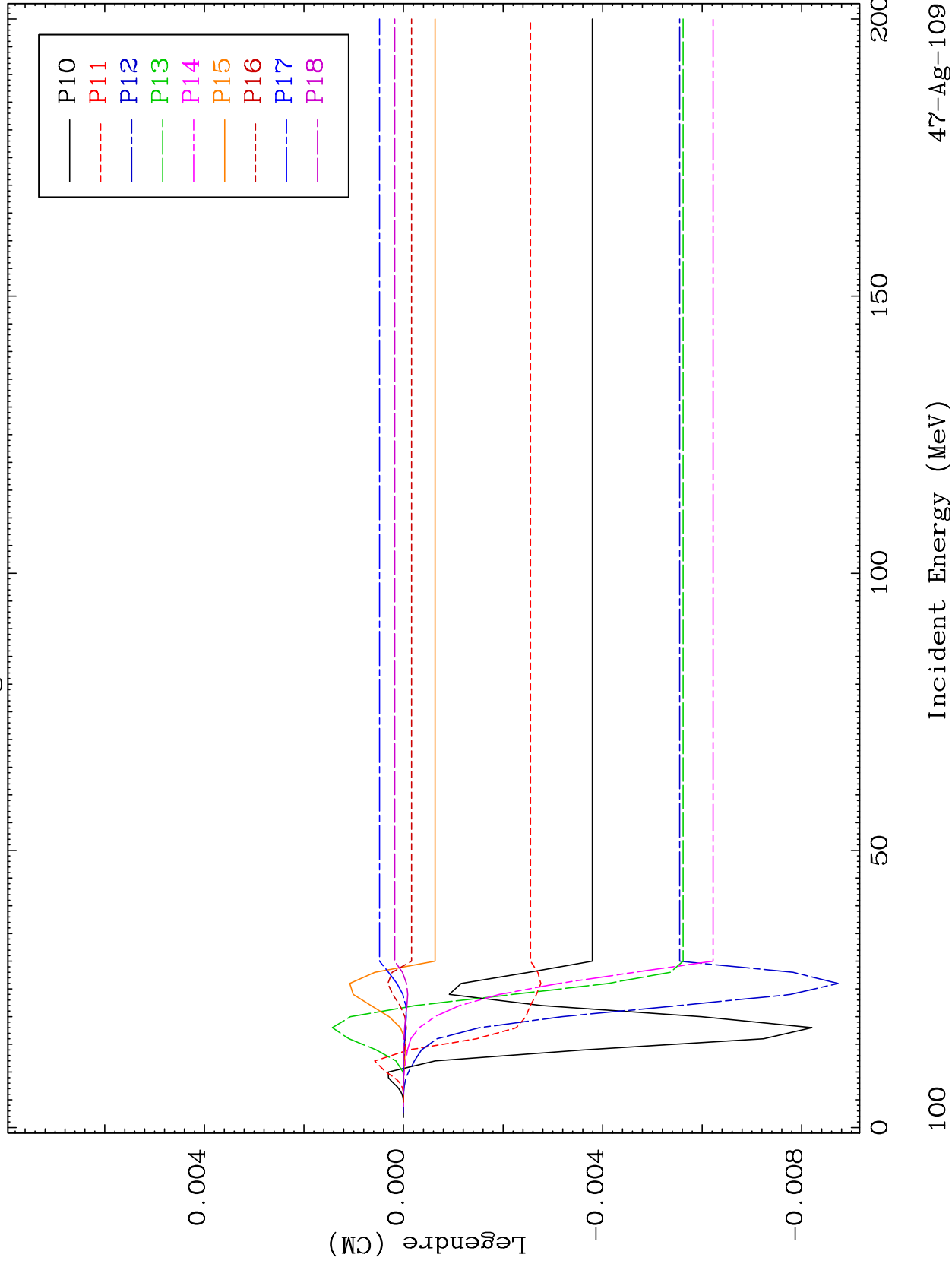
47-Ag-109



MAT 4731

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

47-Ag-109



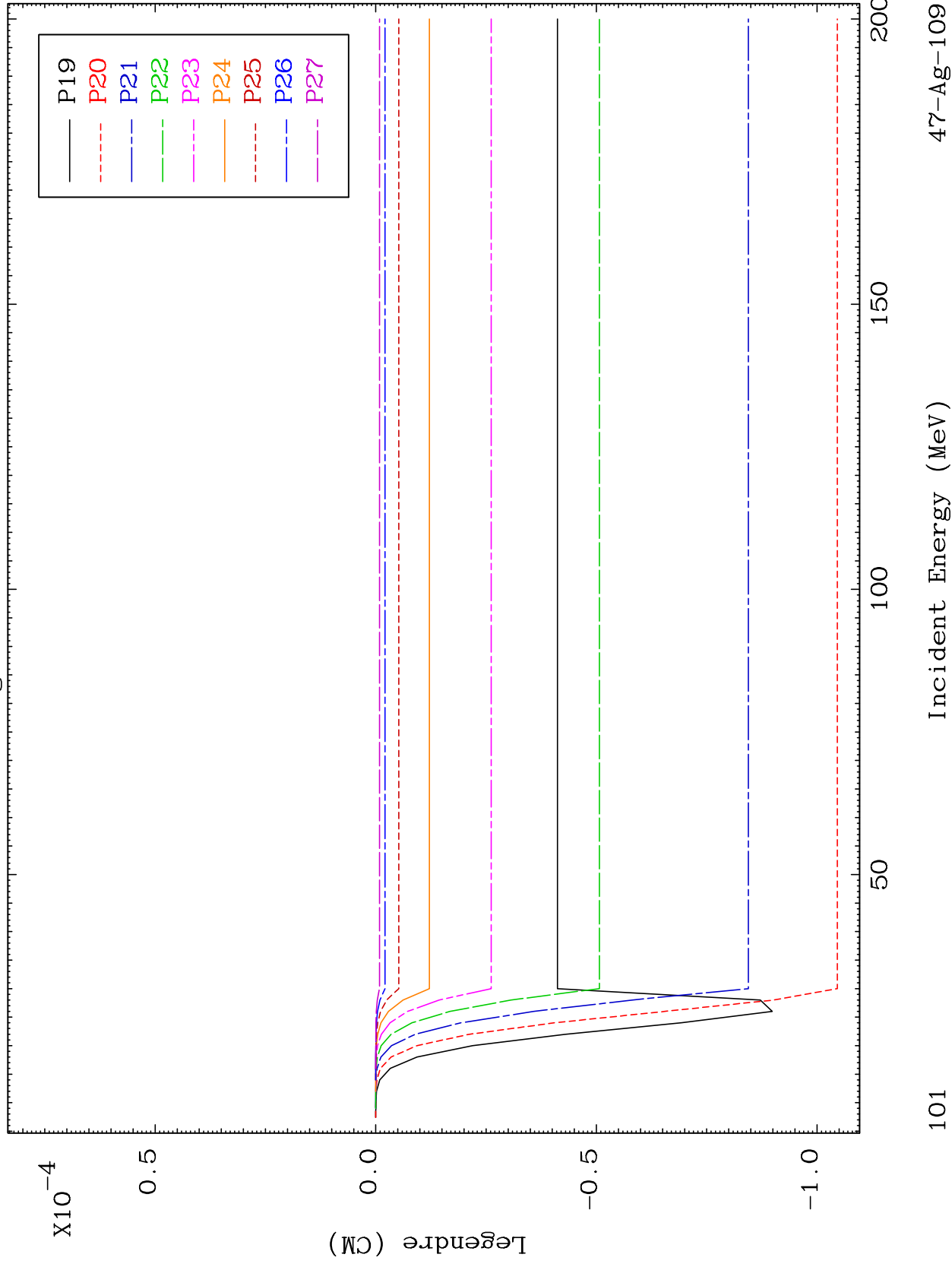
47-Ag-109

Incident Energy (MeV)

MAT 4731

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

47-Ag-109

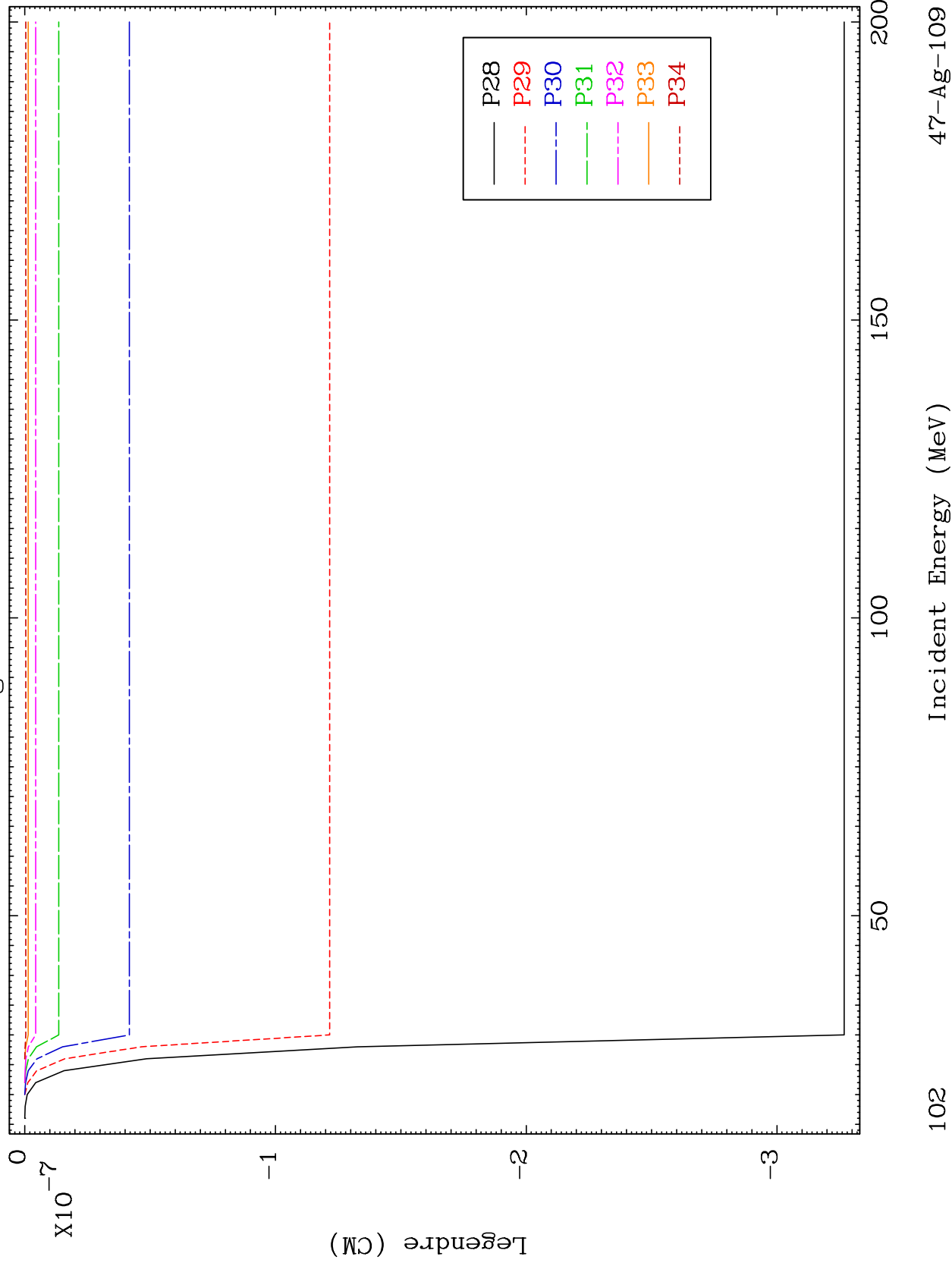


MAT 4731

MT= 73 (n,n') Level

47-Ag-109

Legendre Coefficients



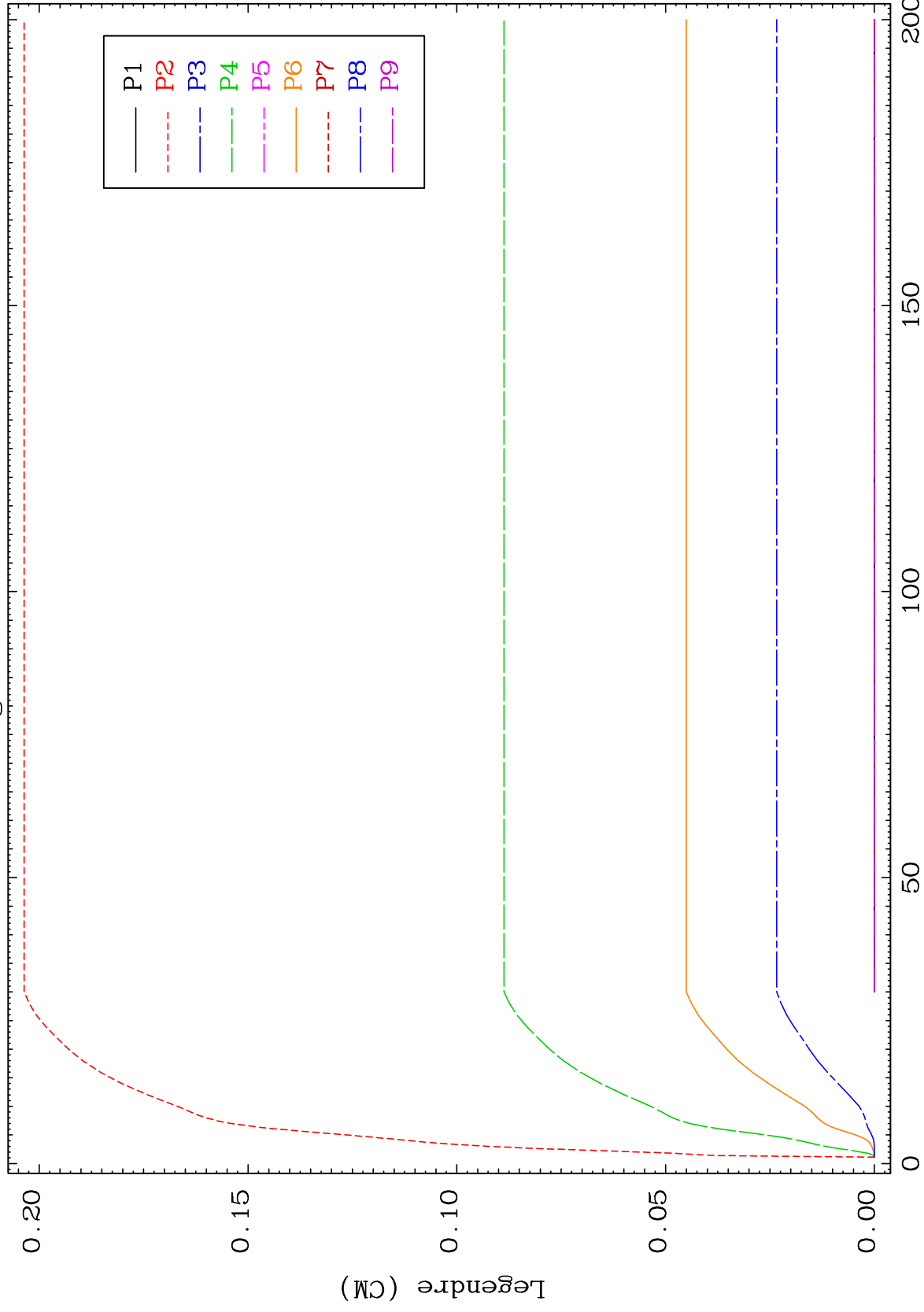
102

47-Ag-109

MAT 4731

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

47-Ag-109



0

50

100

150

200

47-Ag-109

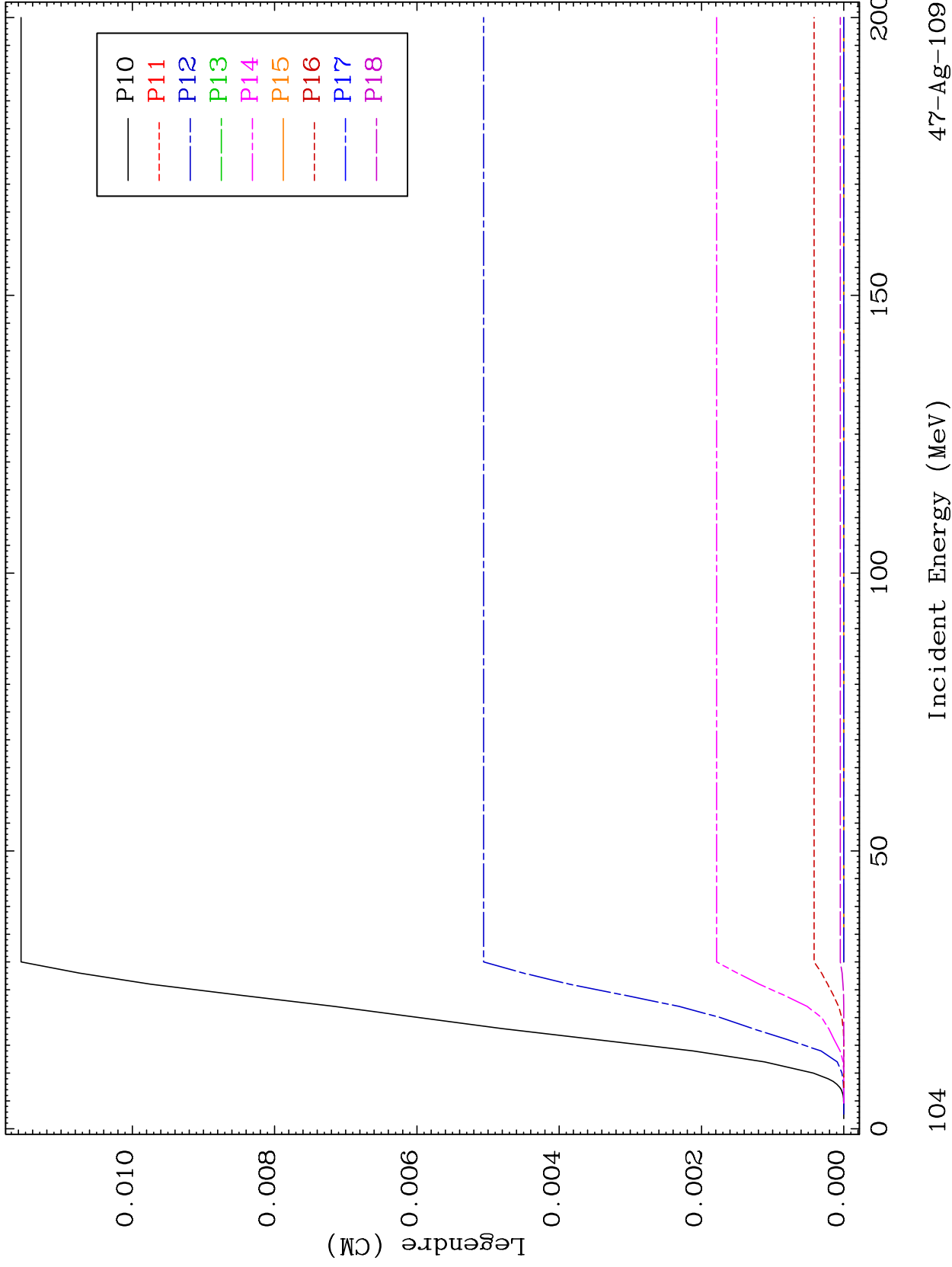
Incident Energy (MeV)



MAT 4731

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

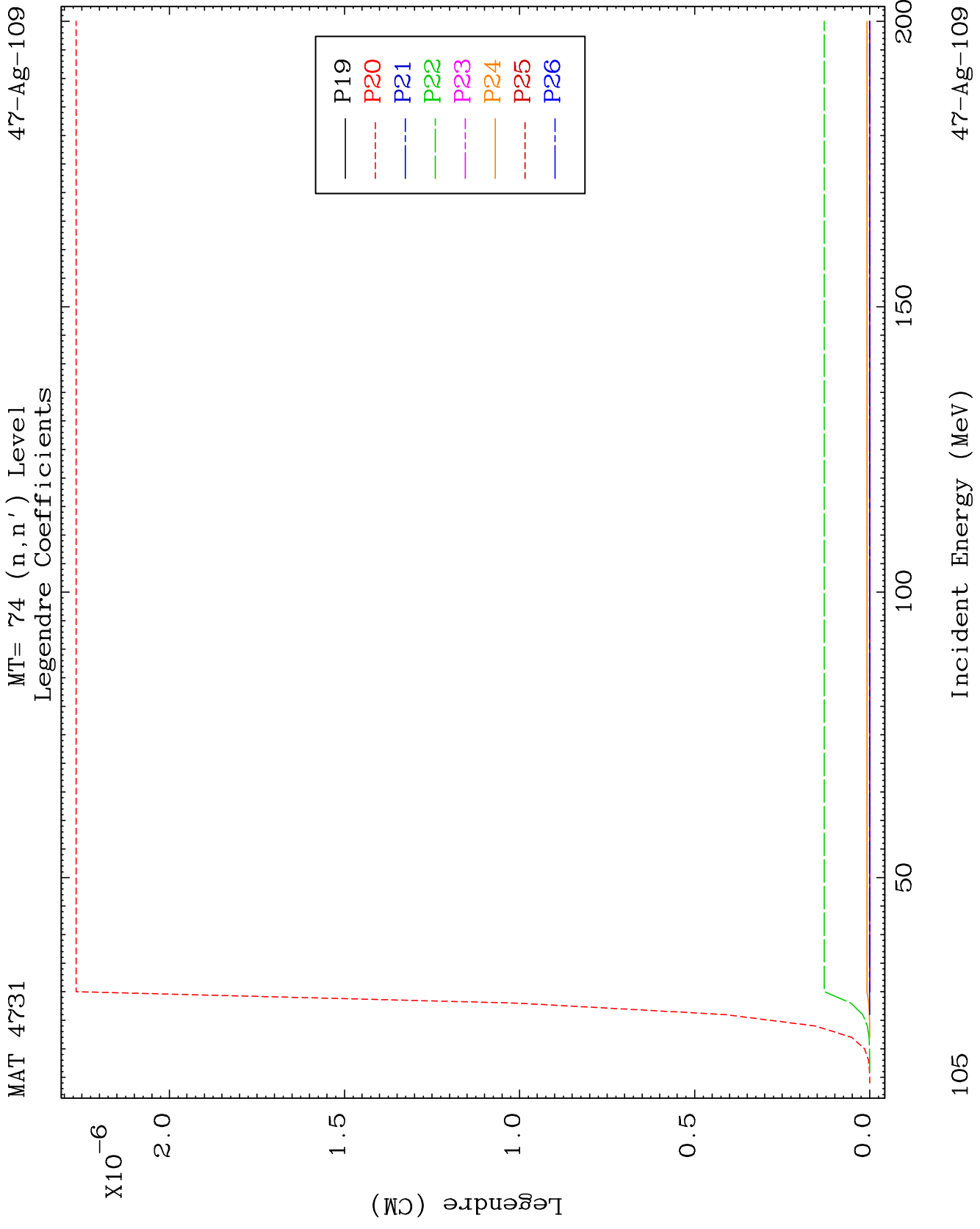
47-Ag-109



104

Incident Energy (MeV)

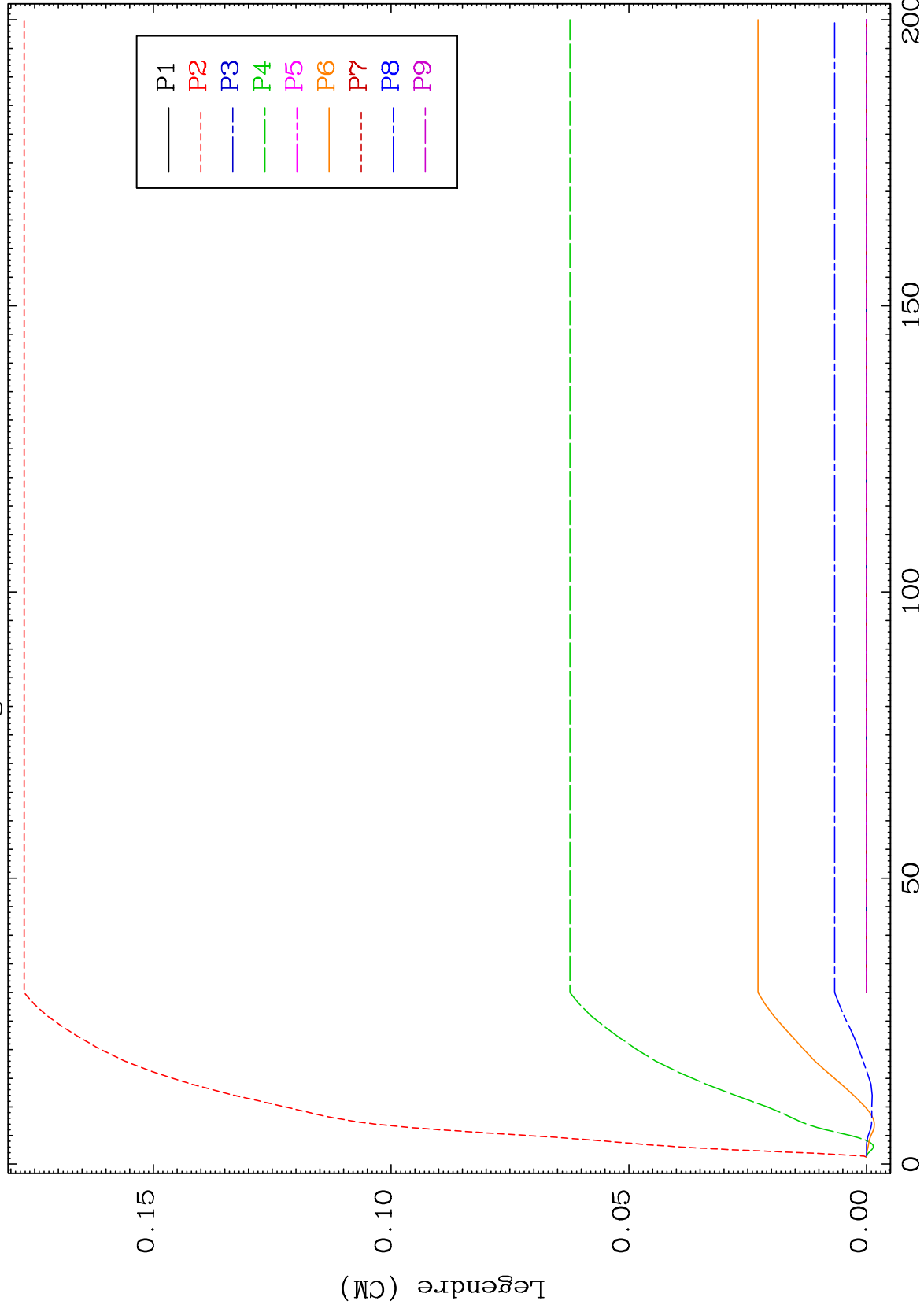
47-Ag-109



MAT 4731

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

47-Ag-109



106

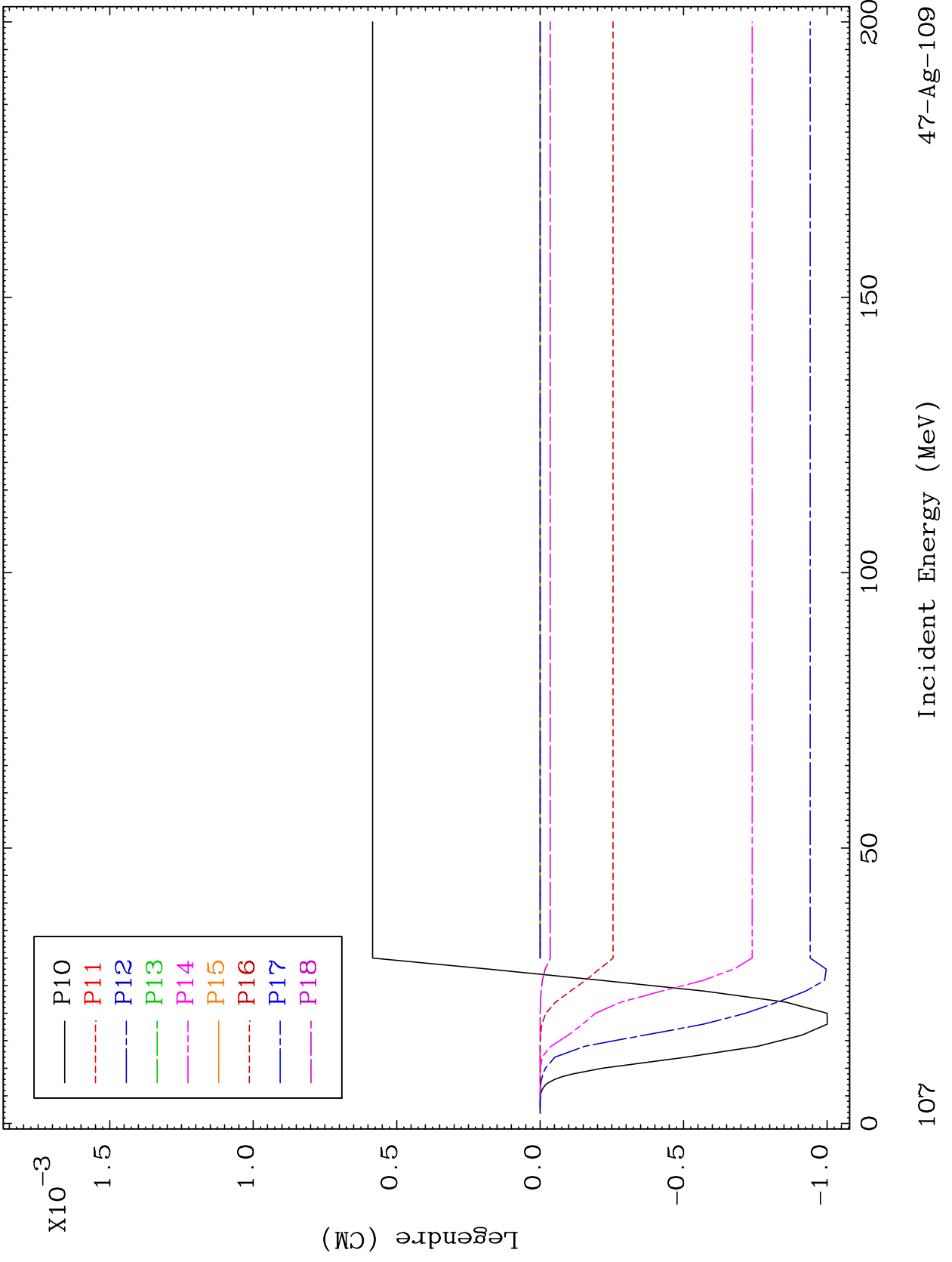
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

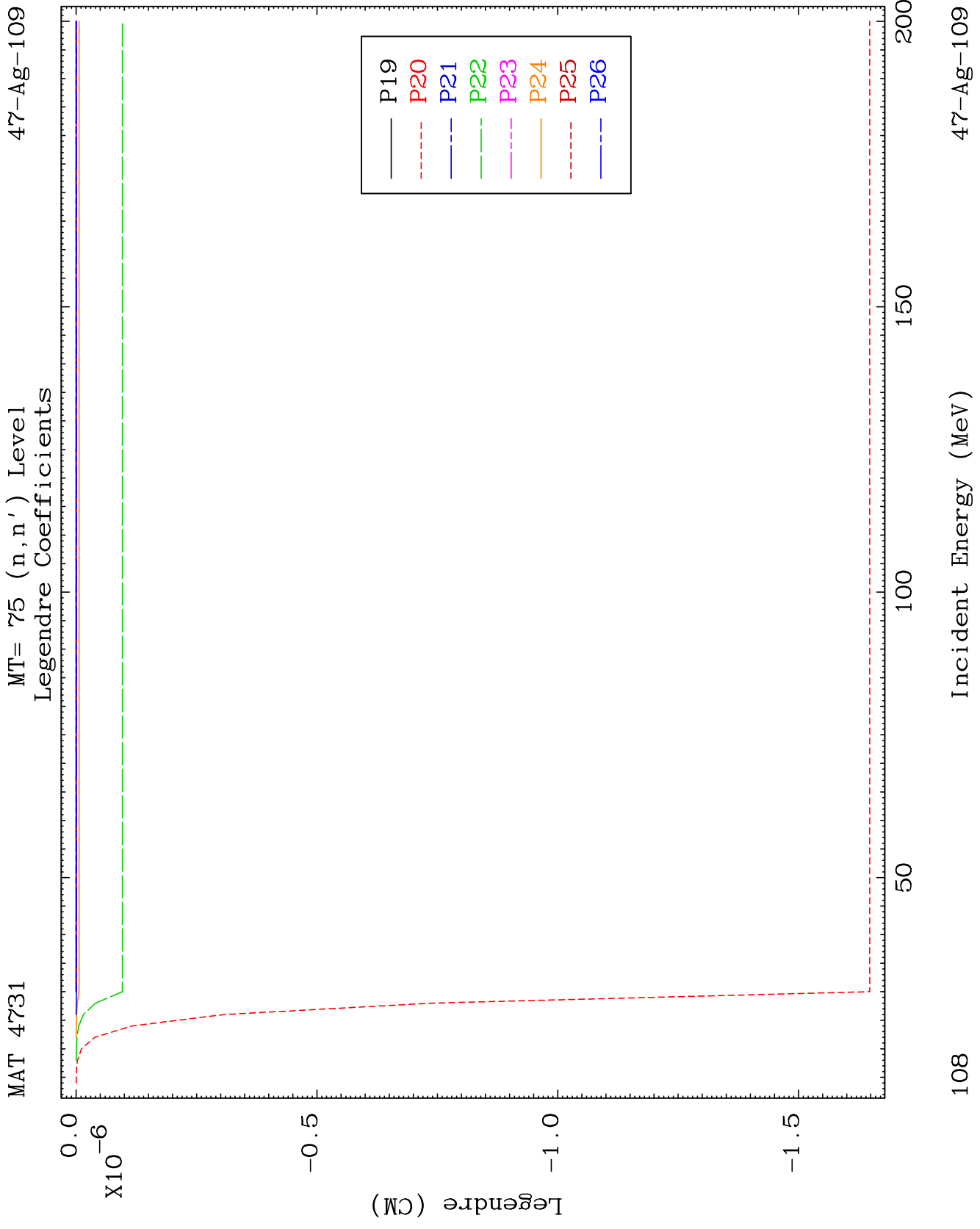
47-Ag-109



107

Incident Energy (MeV)

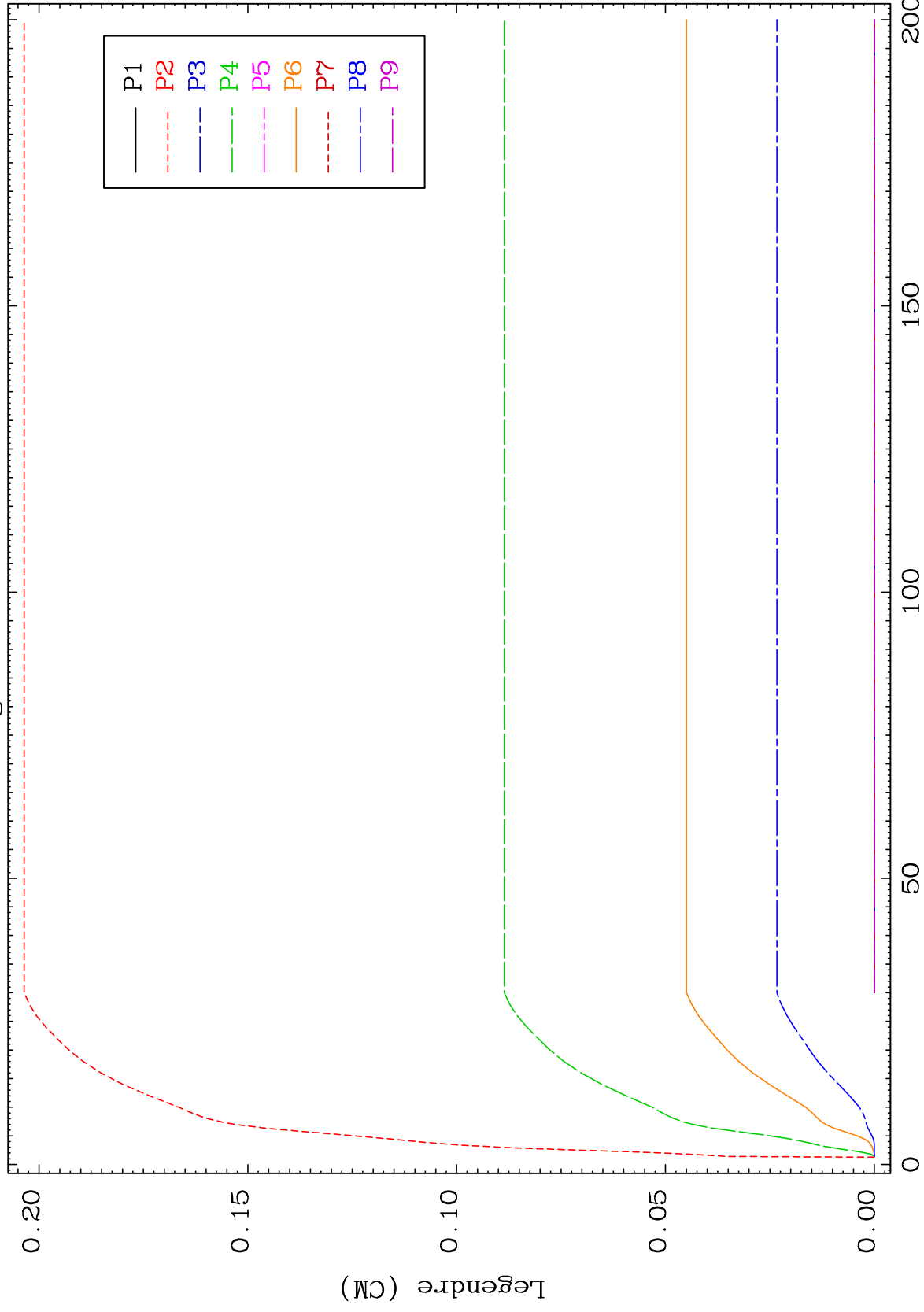
47-Ag-109



MAT 4731

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

47-Ag-109



109

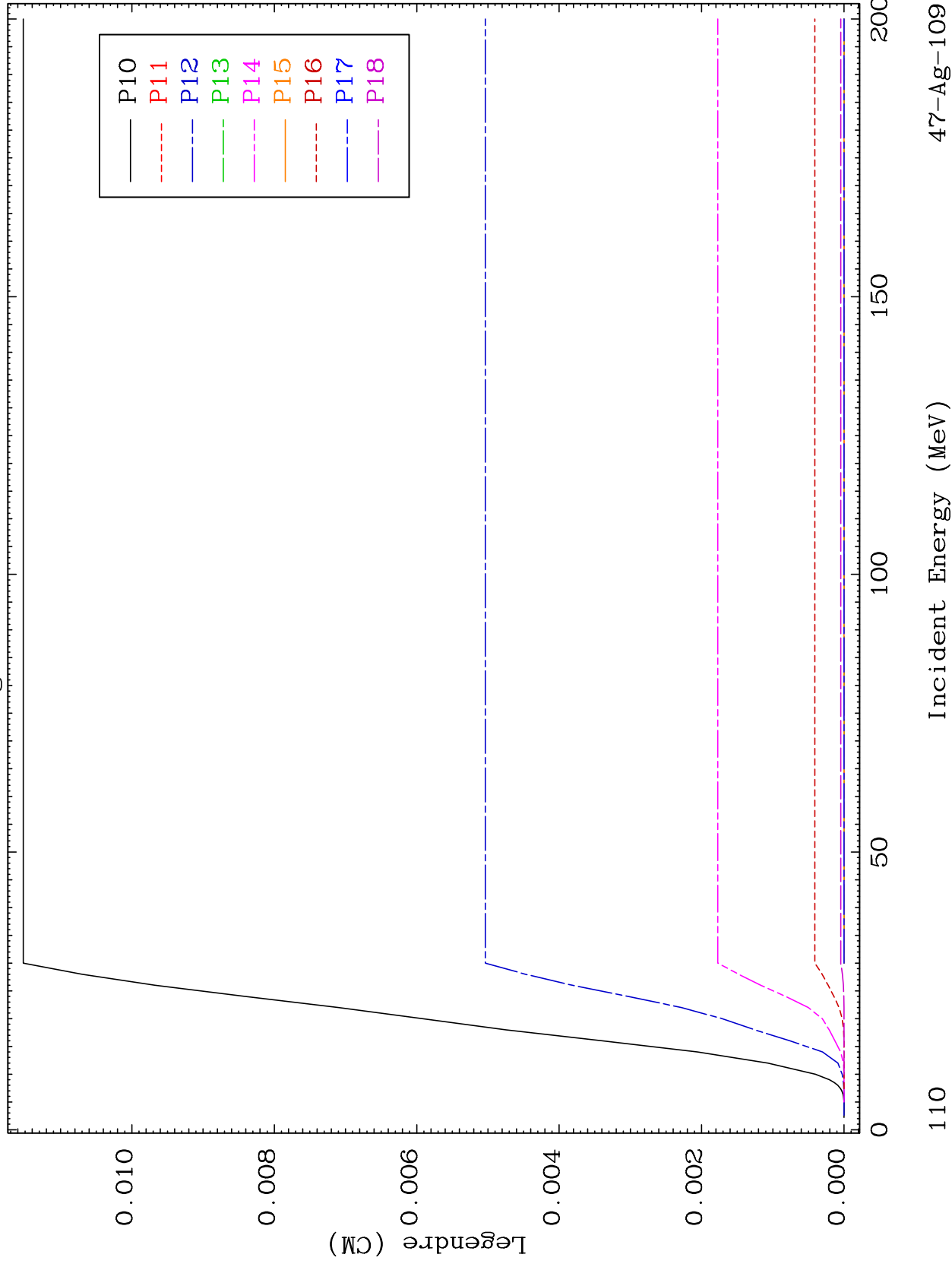
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109

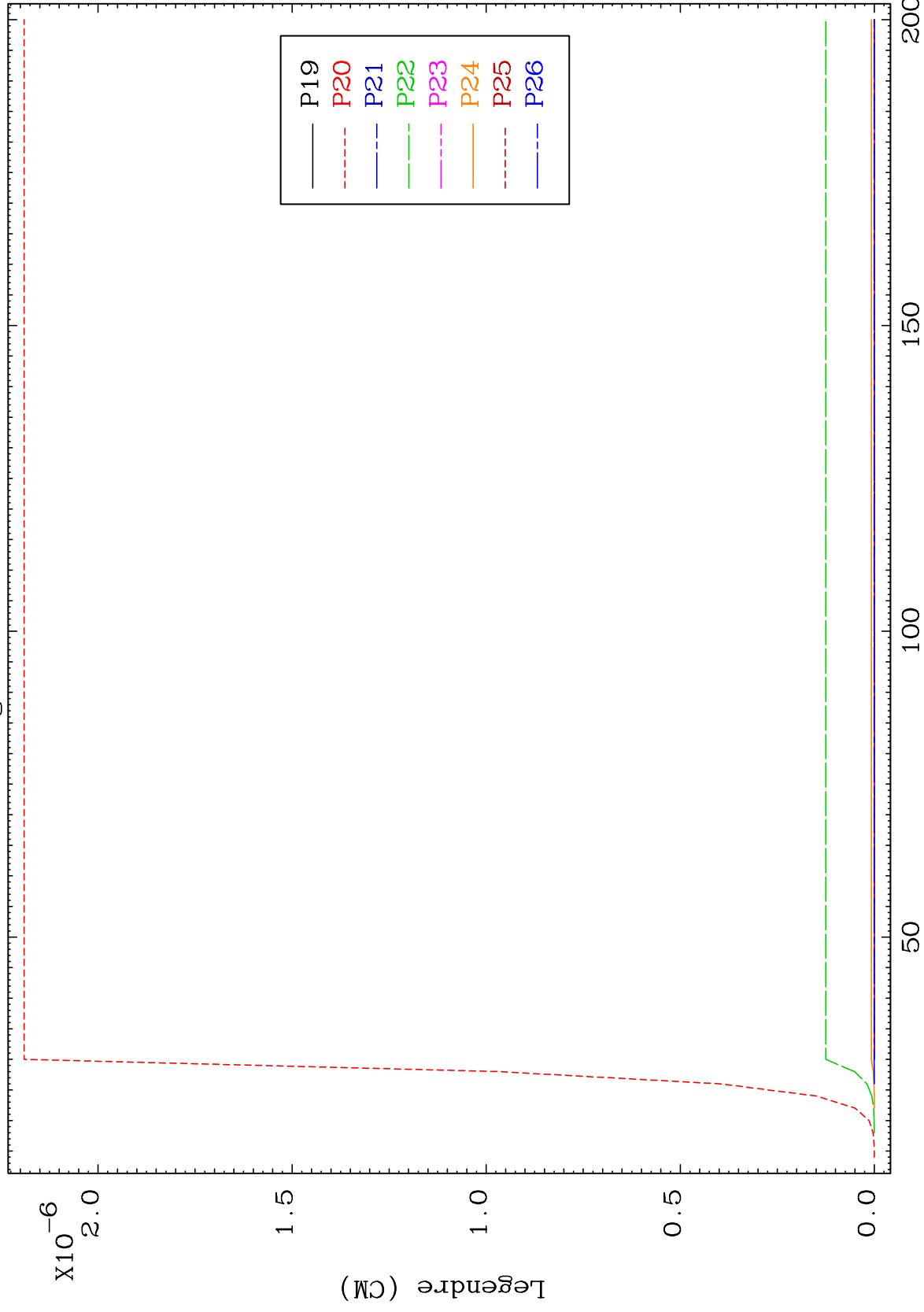


47-Ag-109

MAT 4731

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

47-Ag-109



111

Incident Energy (MeV)

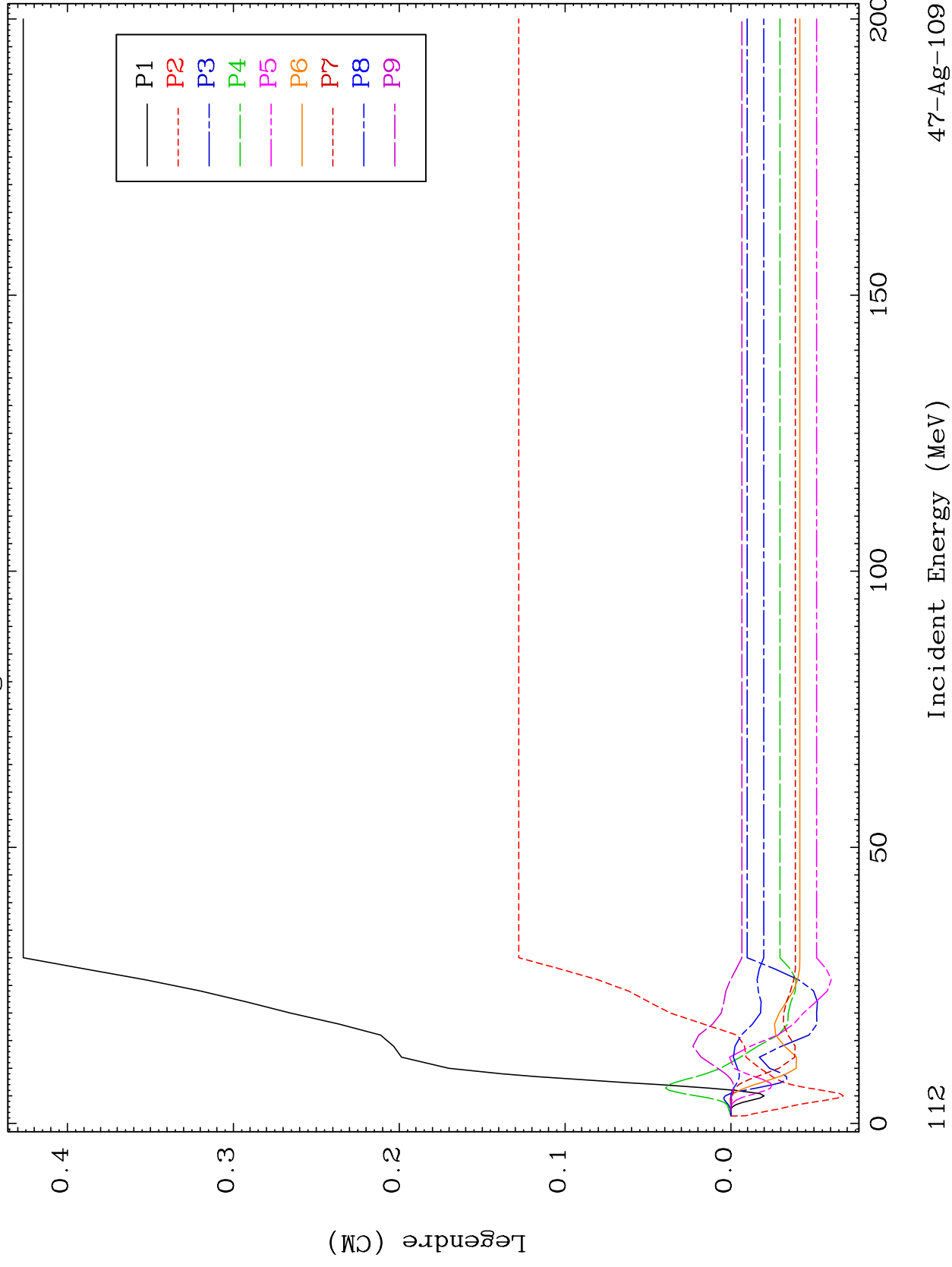
47-Ag-109



MAT 4731

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

47-Ag-109



47-Ag-109

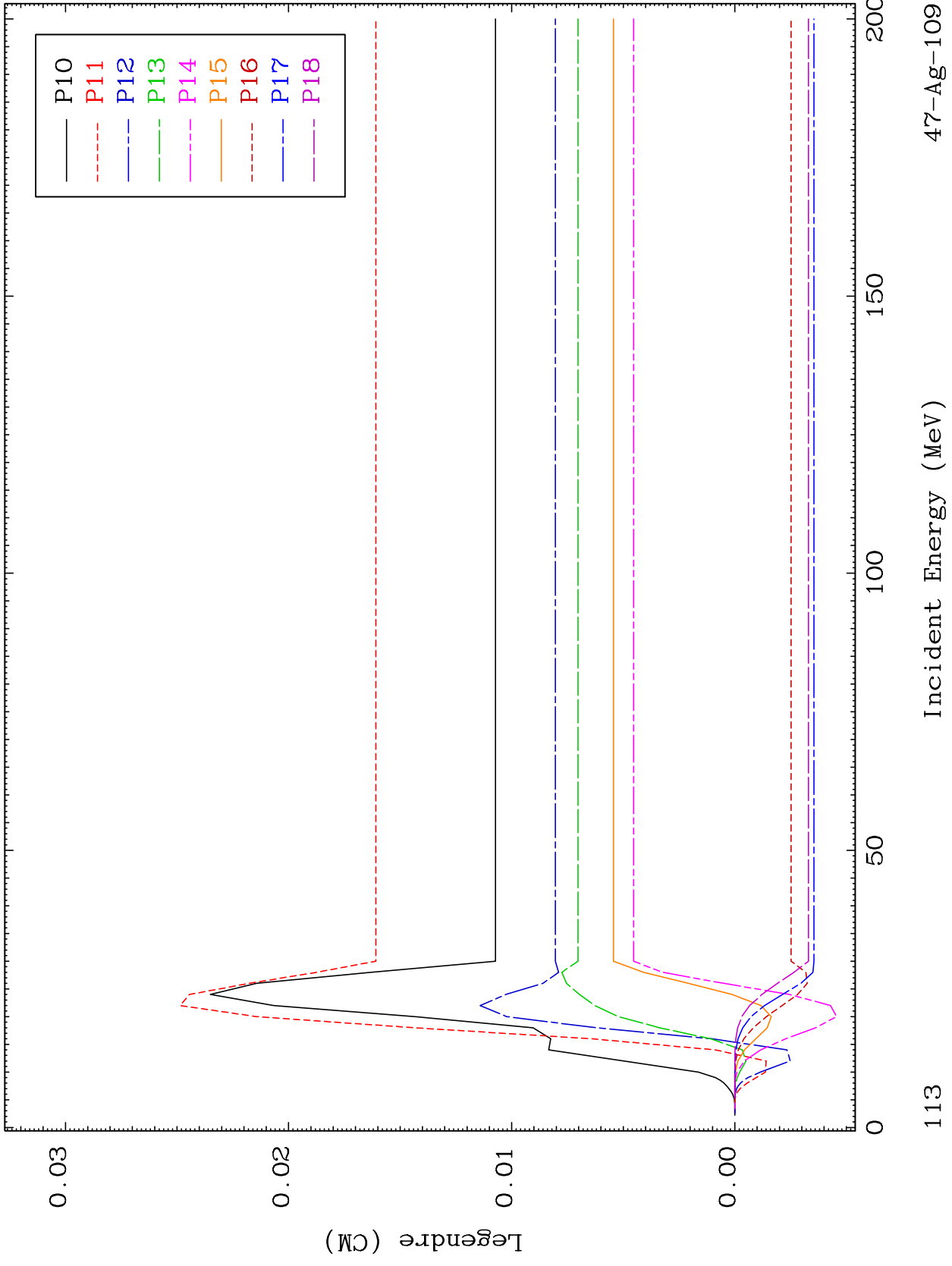
Incident Energy (MeV)

112

MAT 4731

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

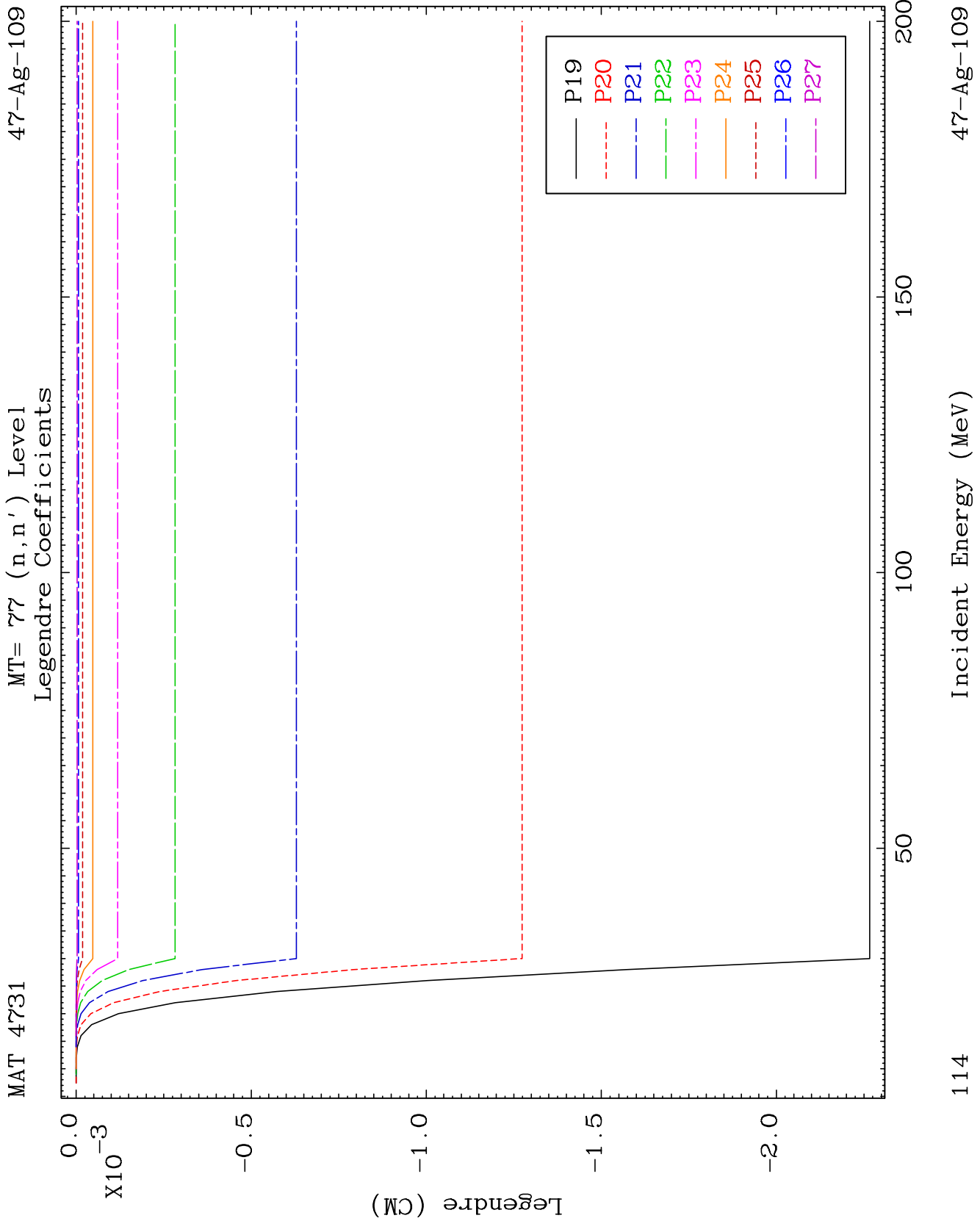
47-Ag-109



113

Incident Energy (MeV)

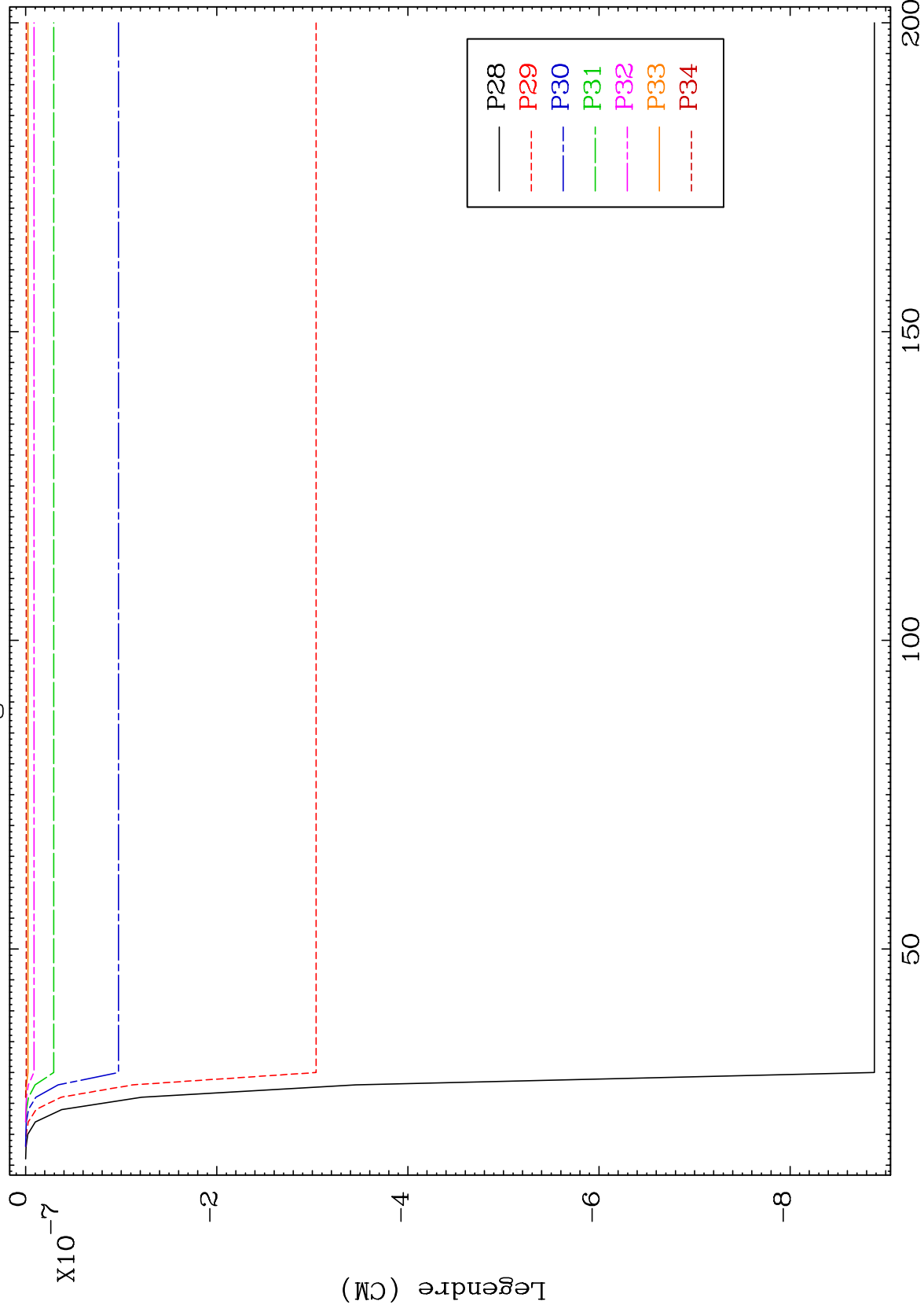
47-Ag-109



MAT 4731

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

47-Ag-109



115

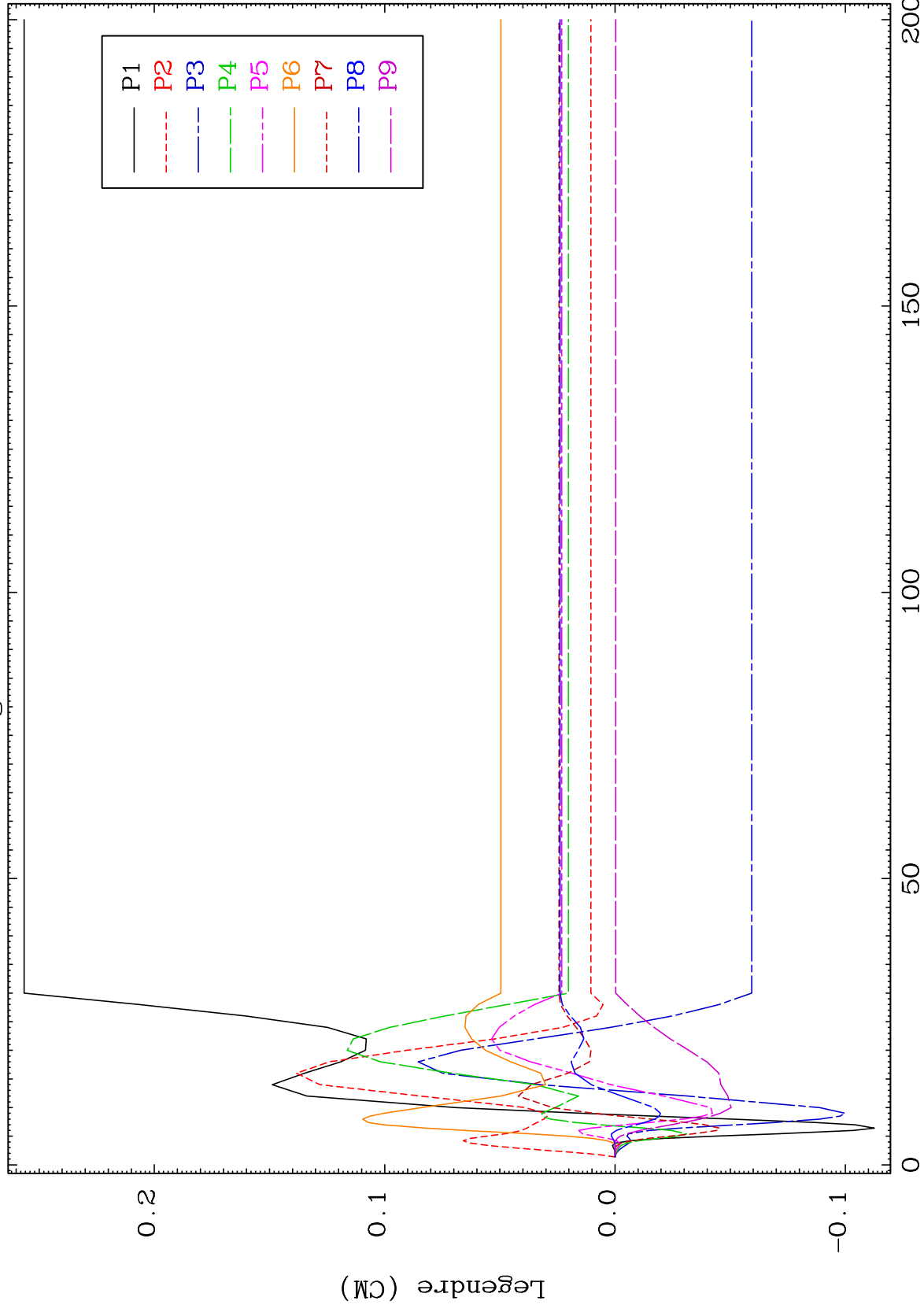
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



116

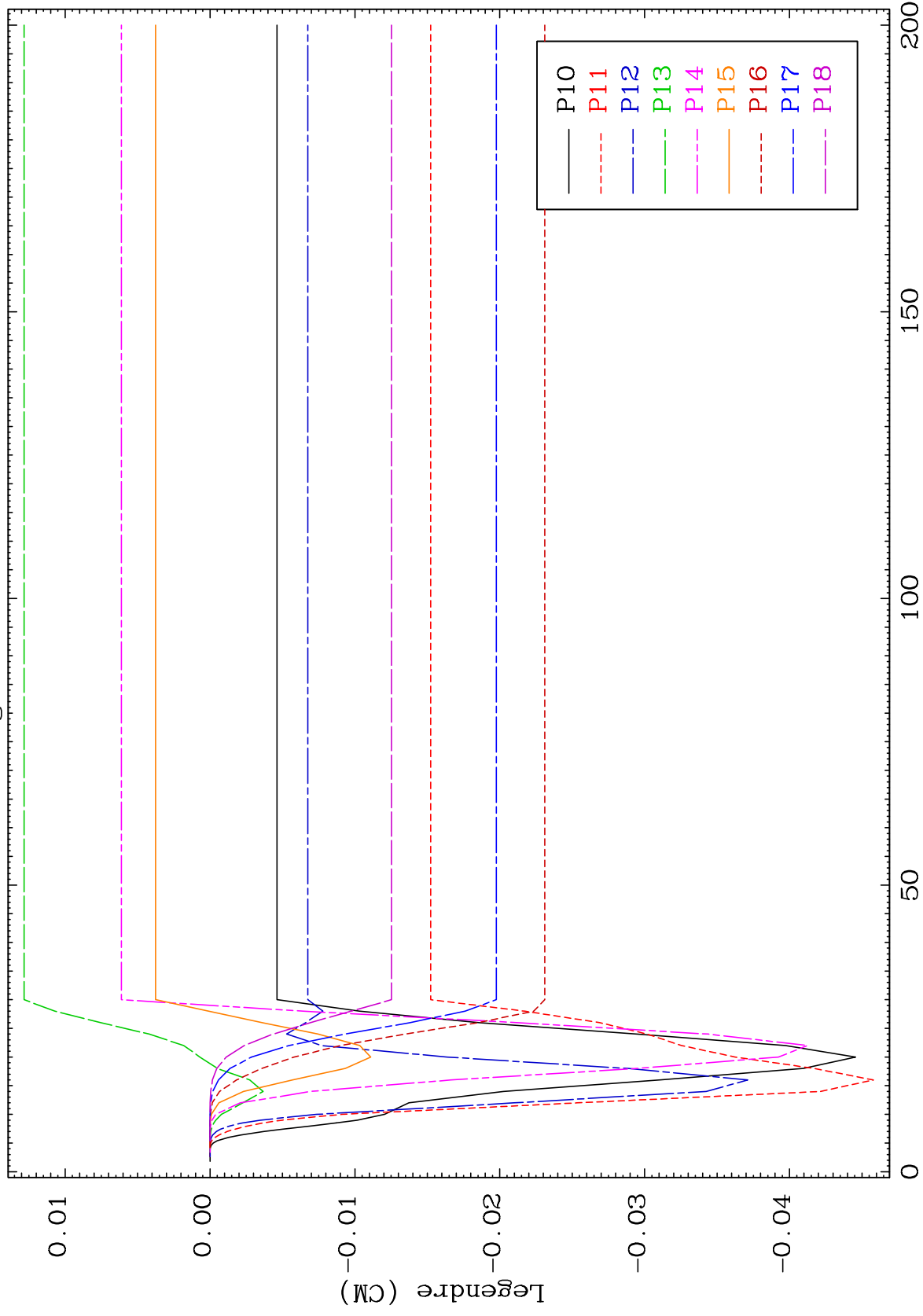
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

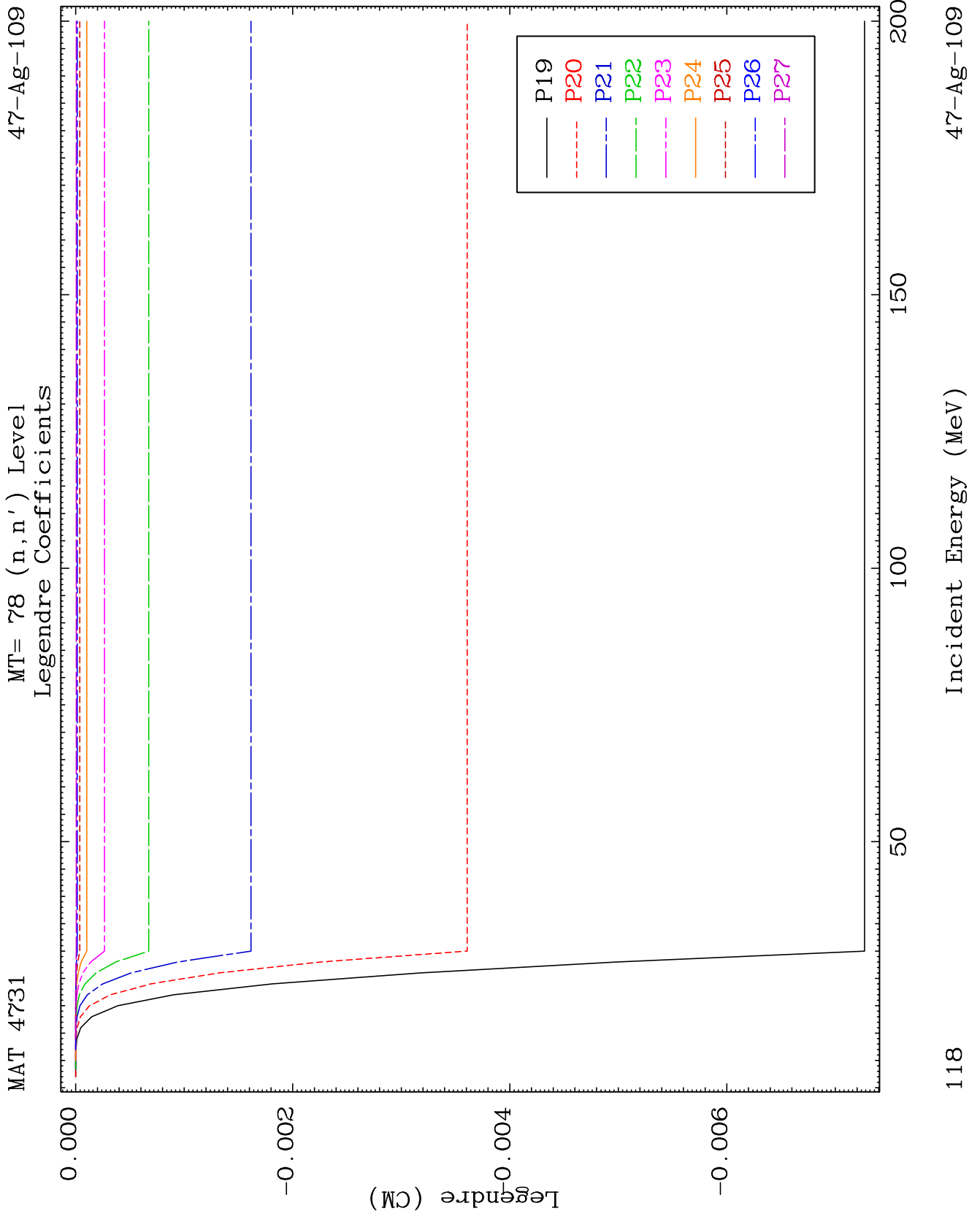
47-Ag-109

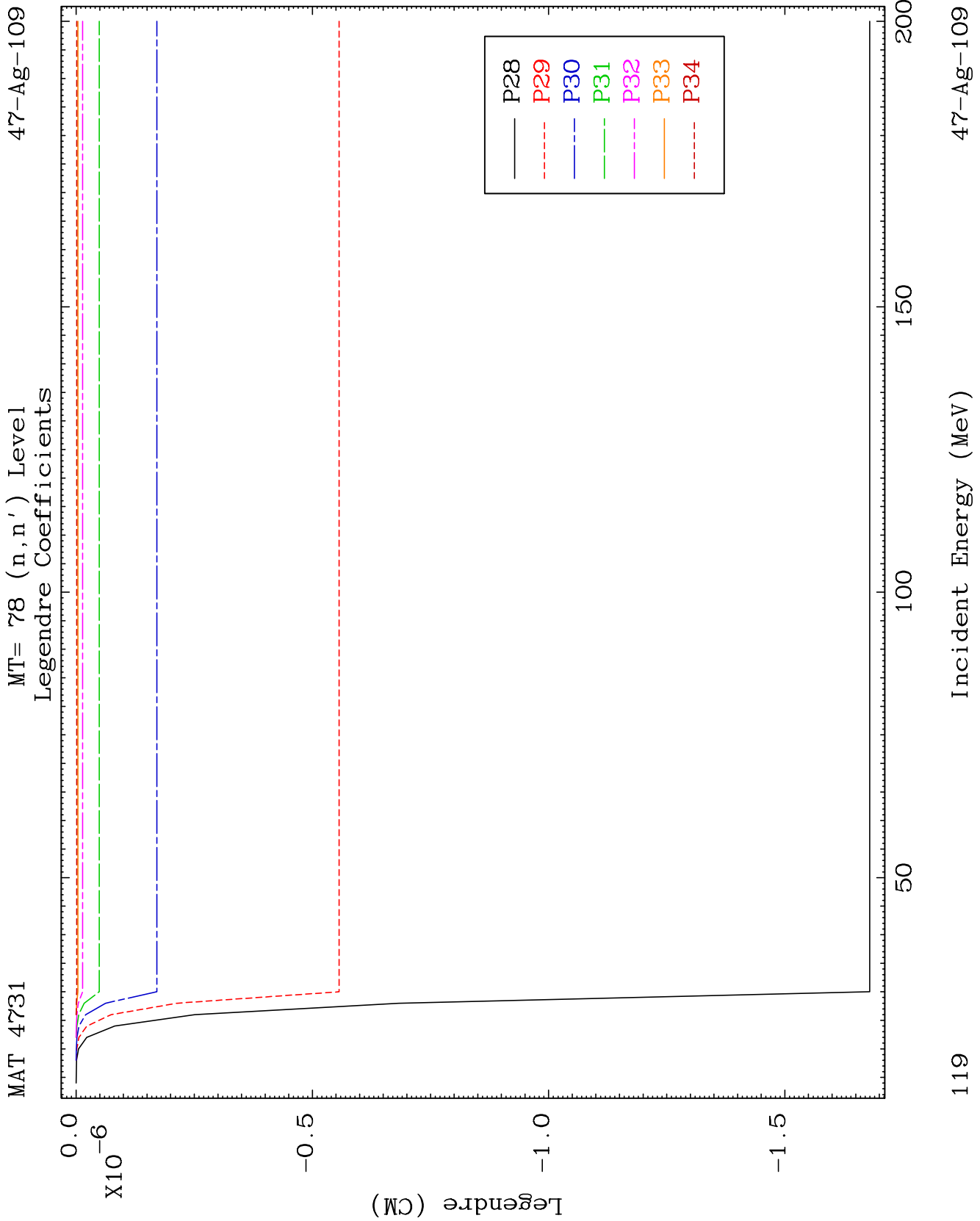


117

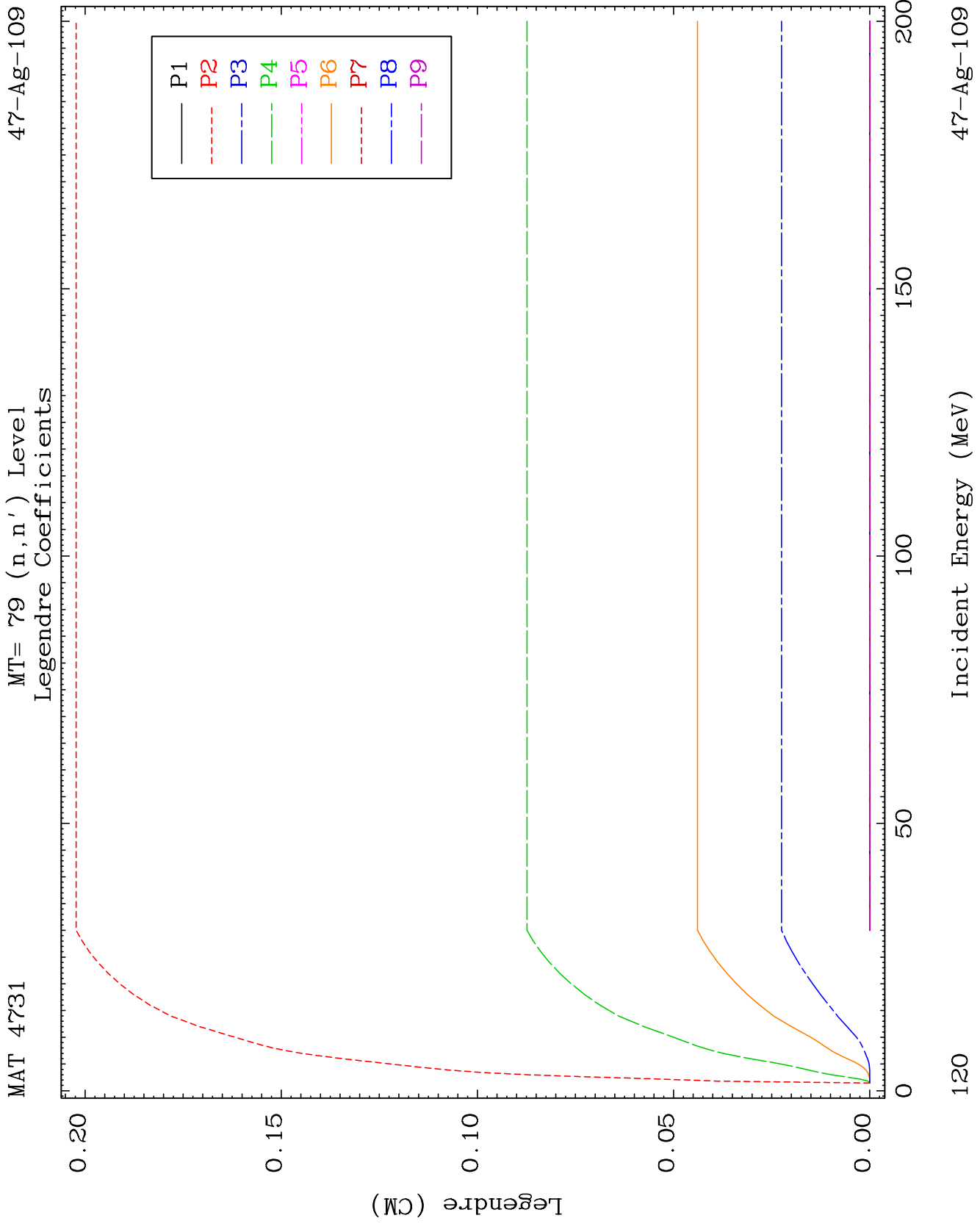
Incident Energy (MeV)

47-Ag-109





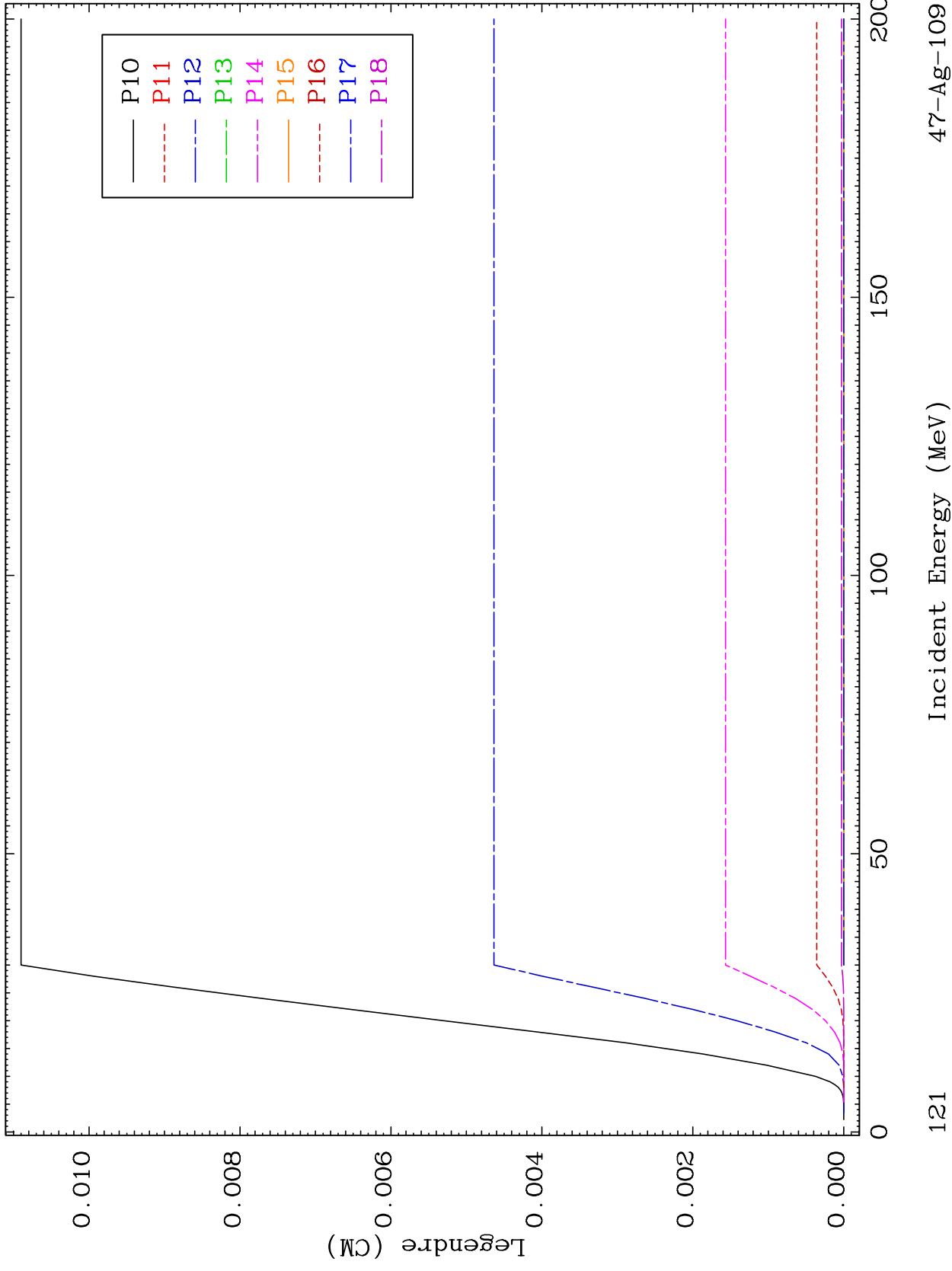




MAT 4731

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

47-Ag-109



121

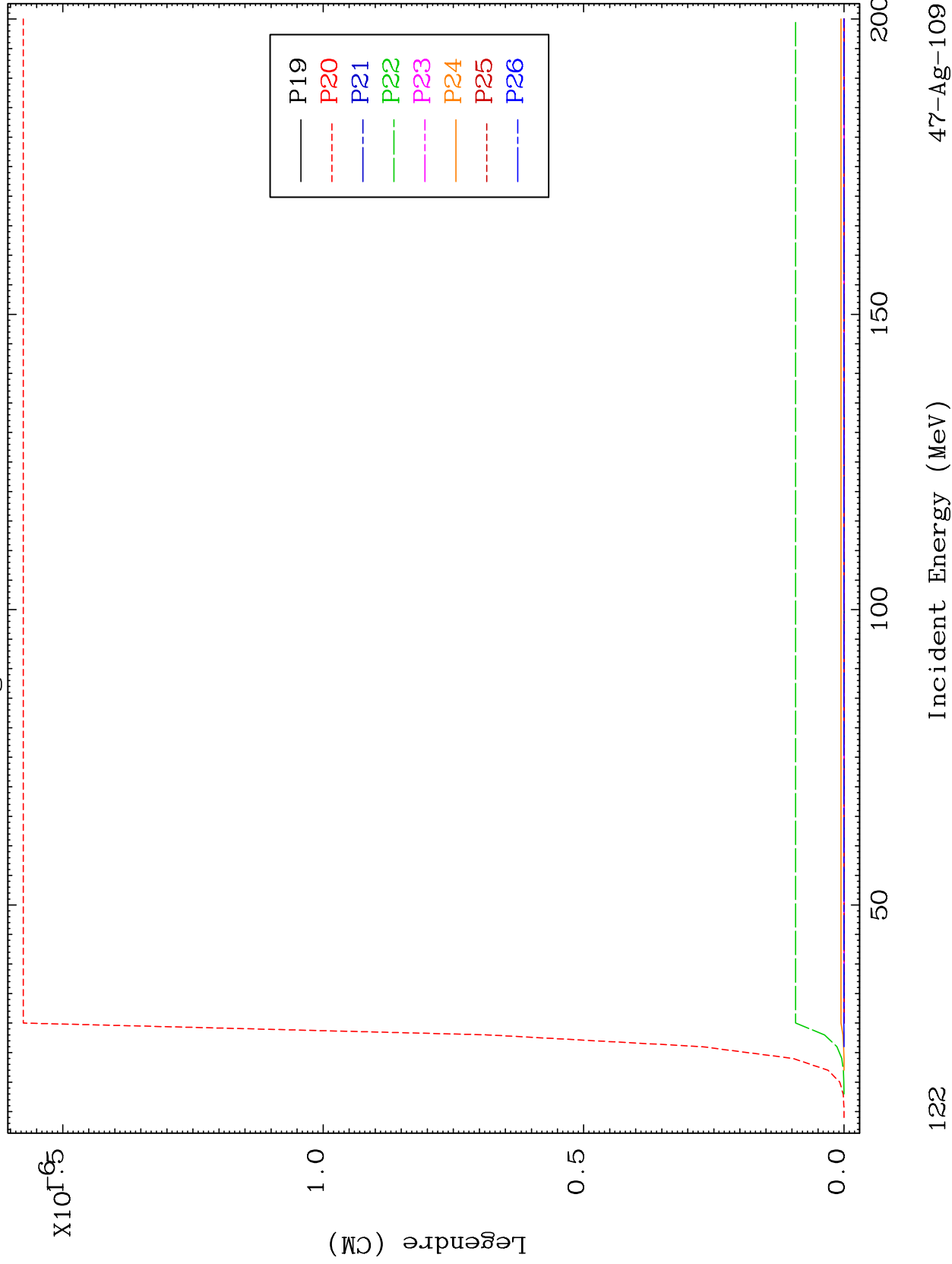
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109



122

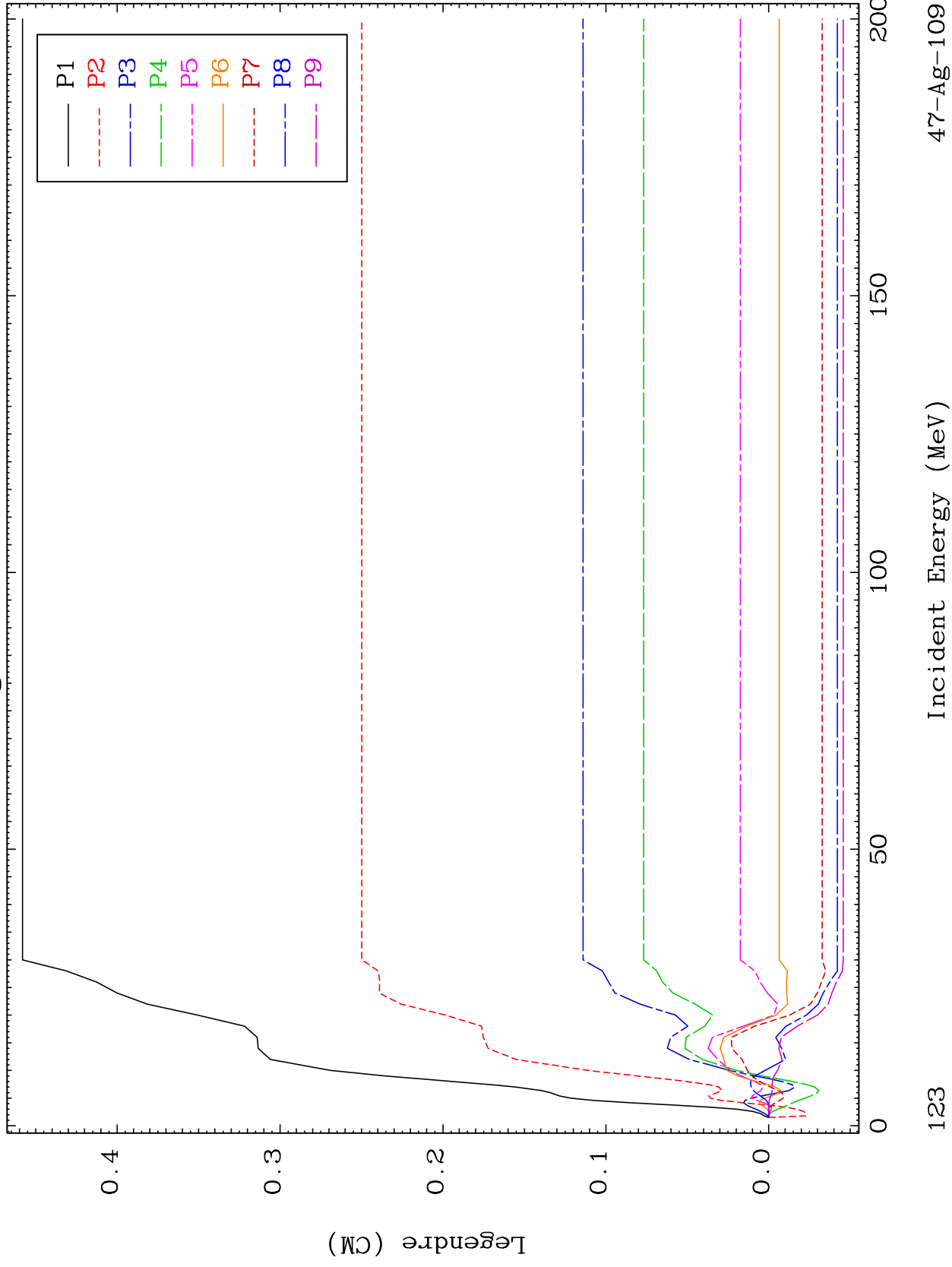
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

47-Ag-109

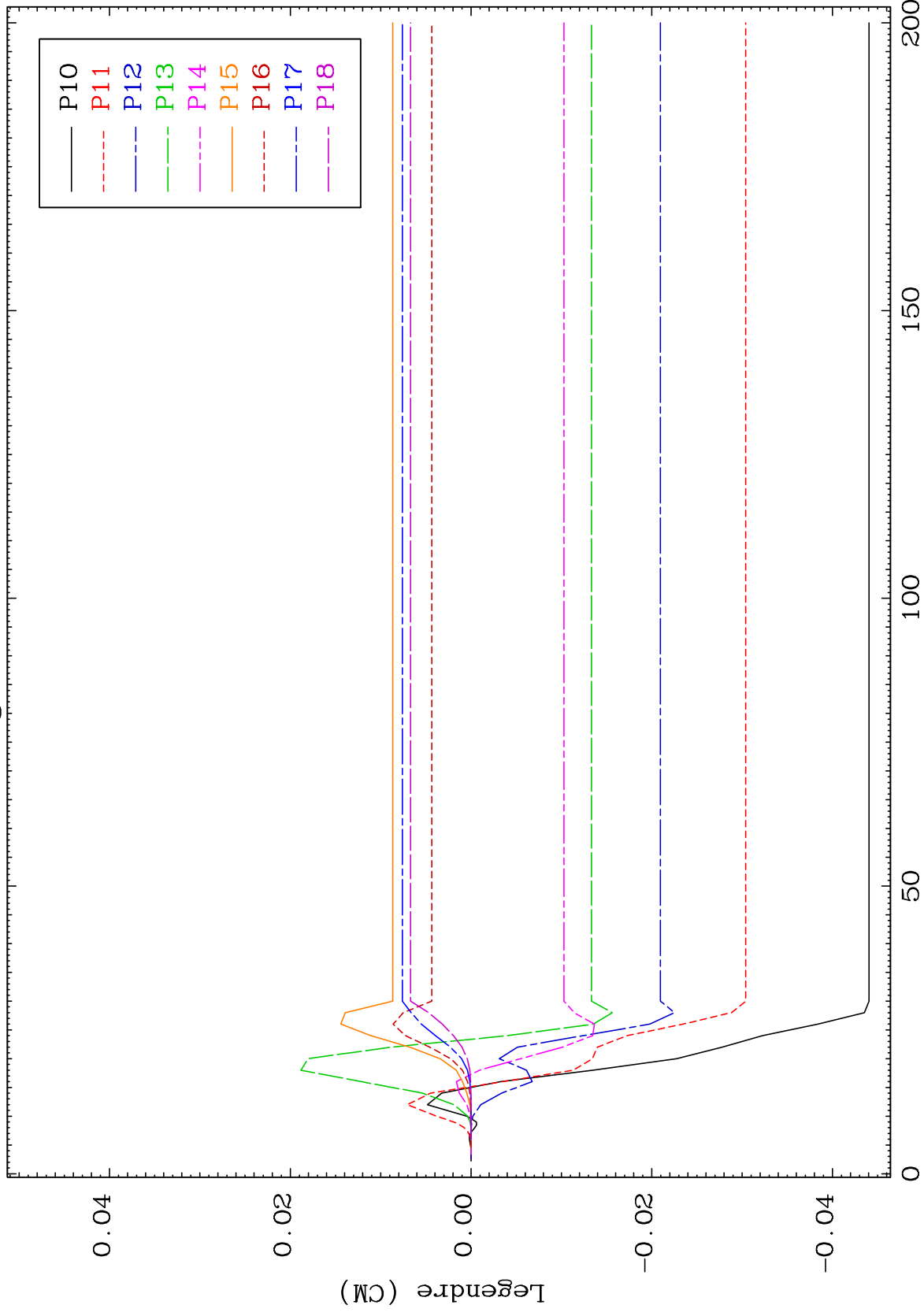


123

MAT 4731

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

47-Ag-109



124

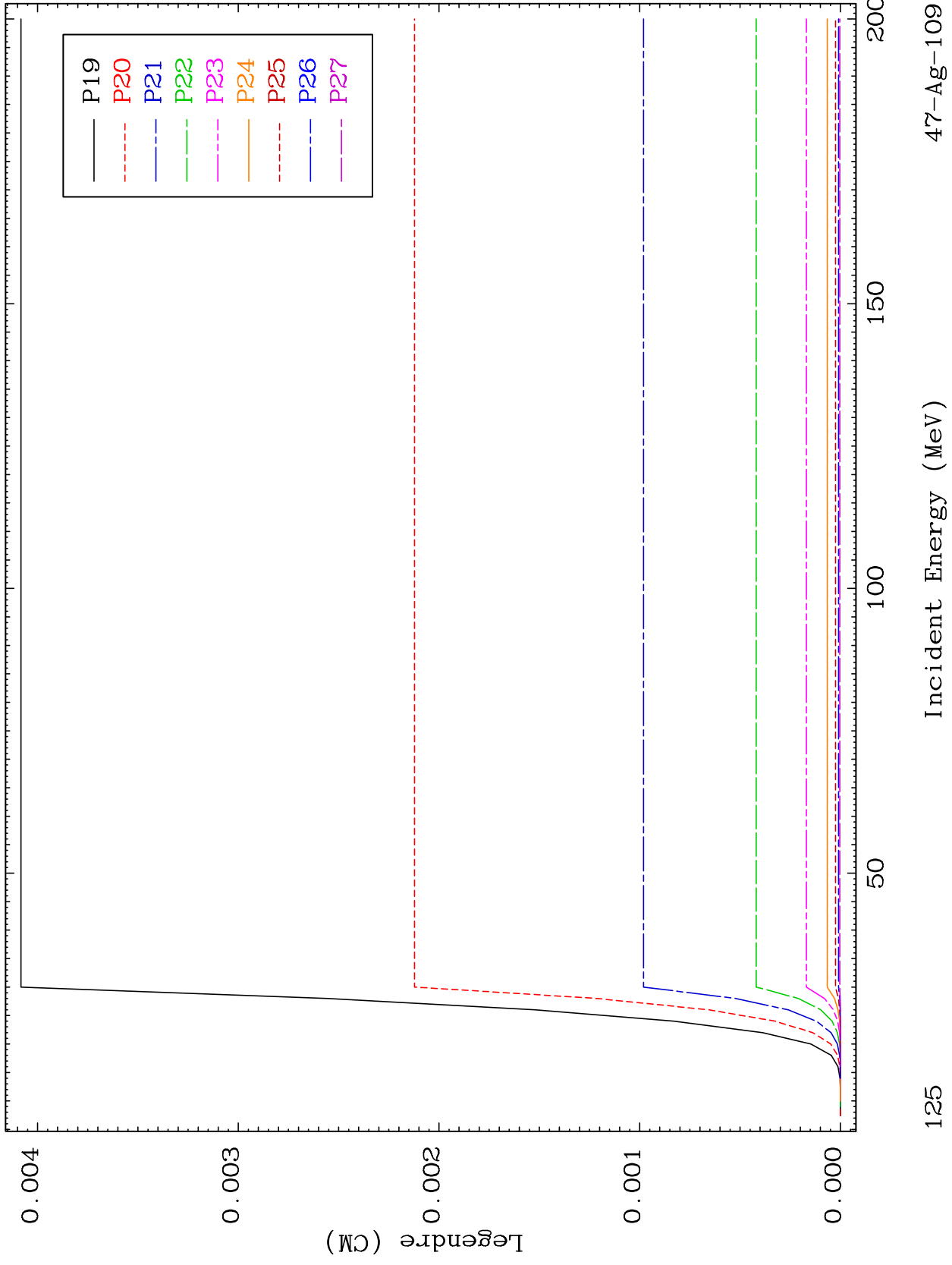
Incident Energy (MeV)

47-Ag-109

MAT 4731

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

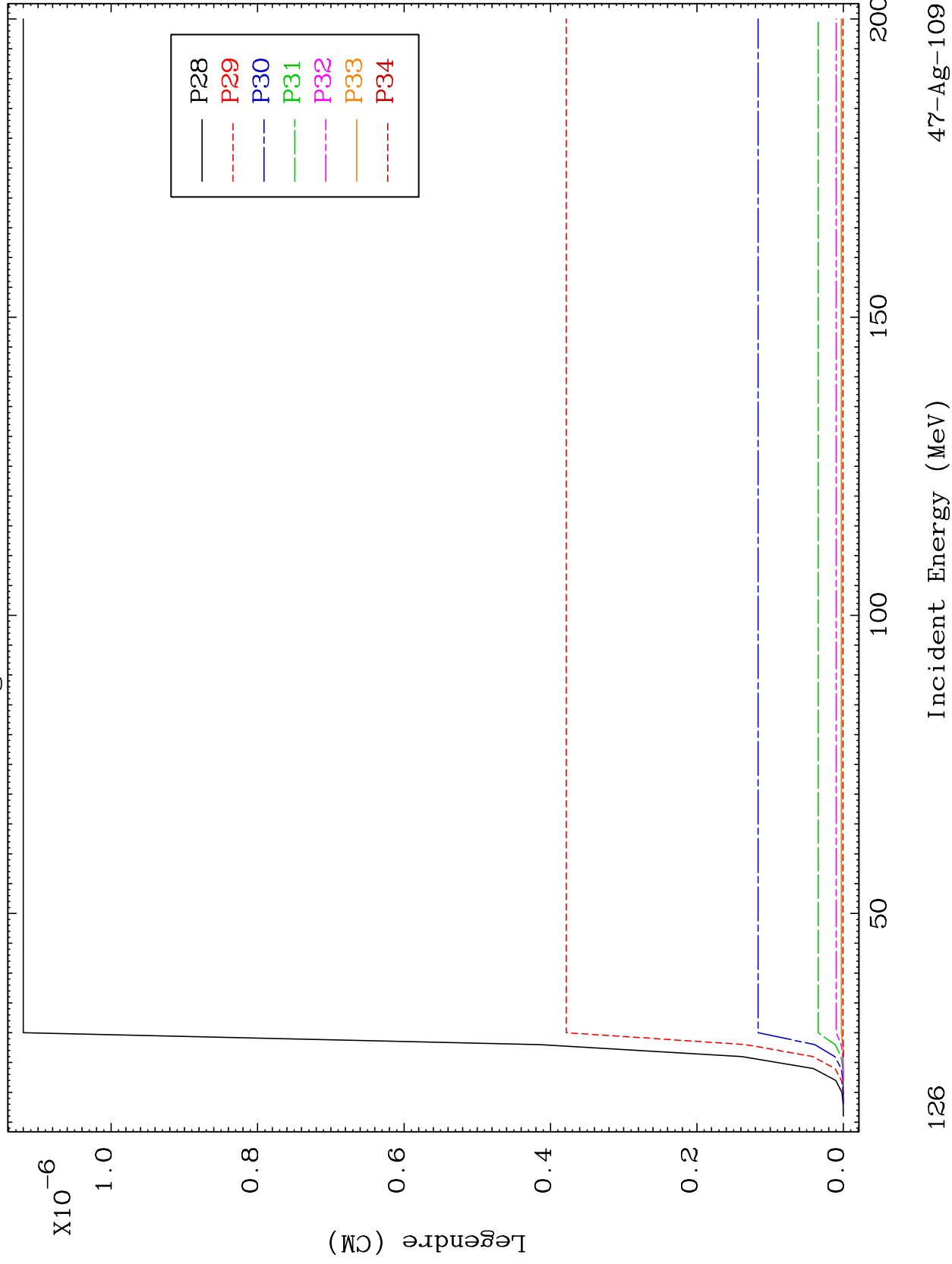
47-Ag-109



MAT 4731

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

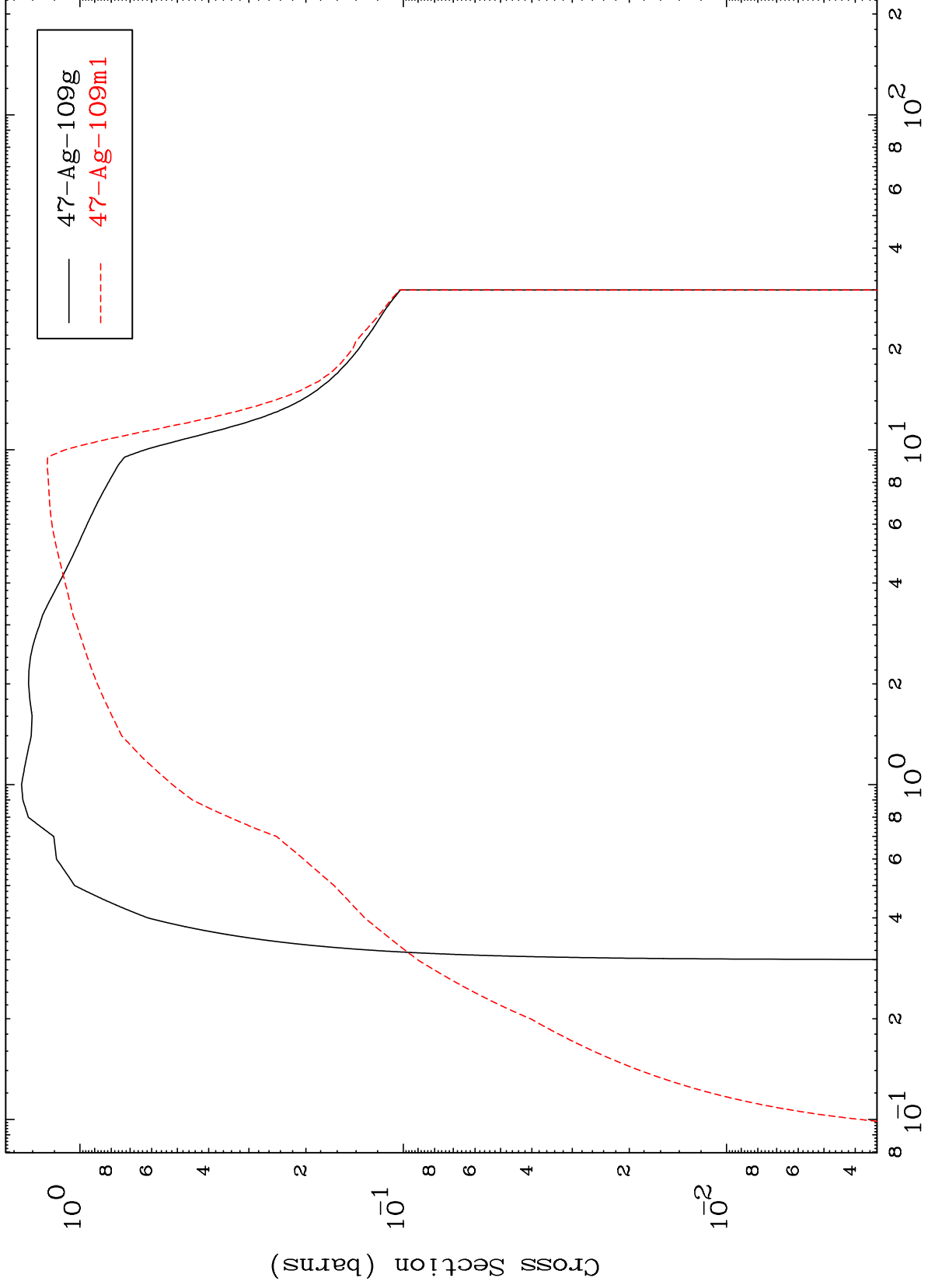
47-Ag-109



MAT 4731

47-Ag-109

Inelastic  
Radionuclide Production Cross Section



127

Incident Energy (MeV)

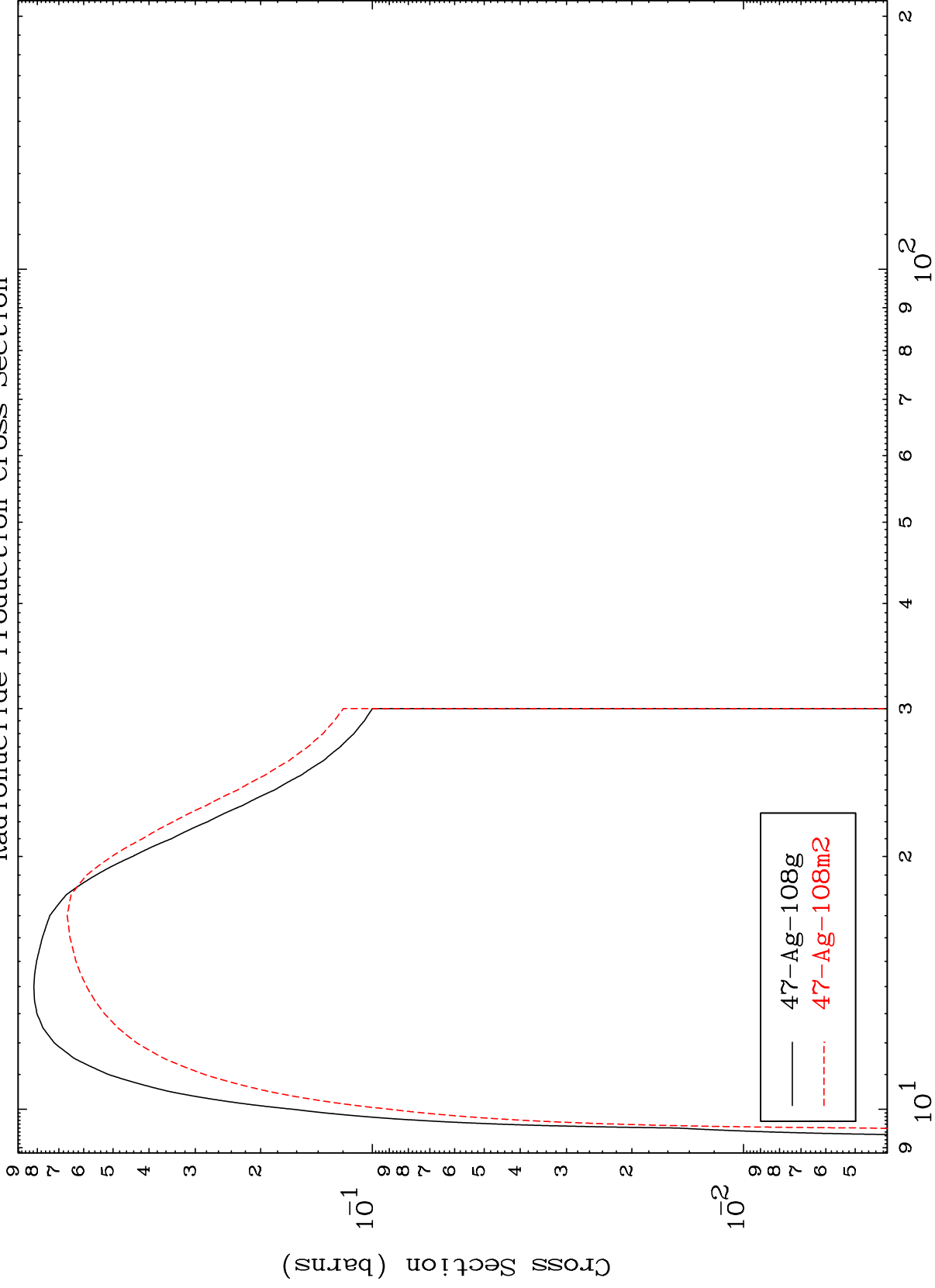
47-Ag-109



MAT 4731

47-Ag-109

(n,2n)  
Radionuclide Production Cross Section

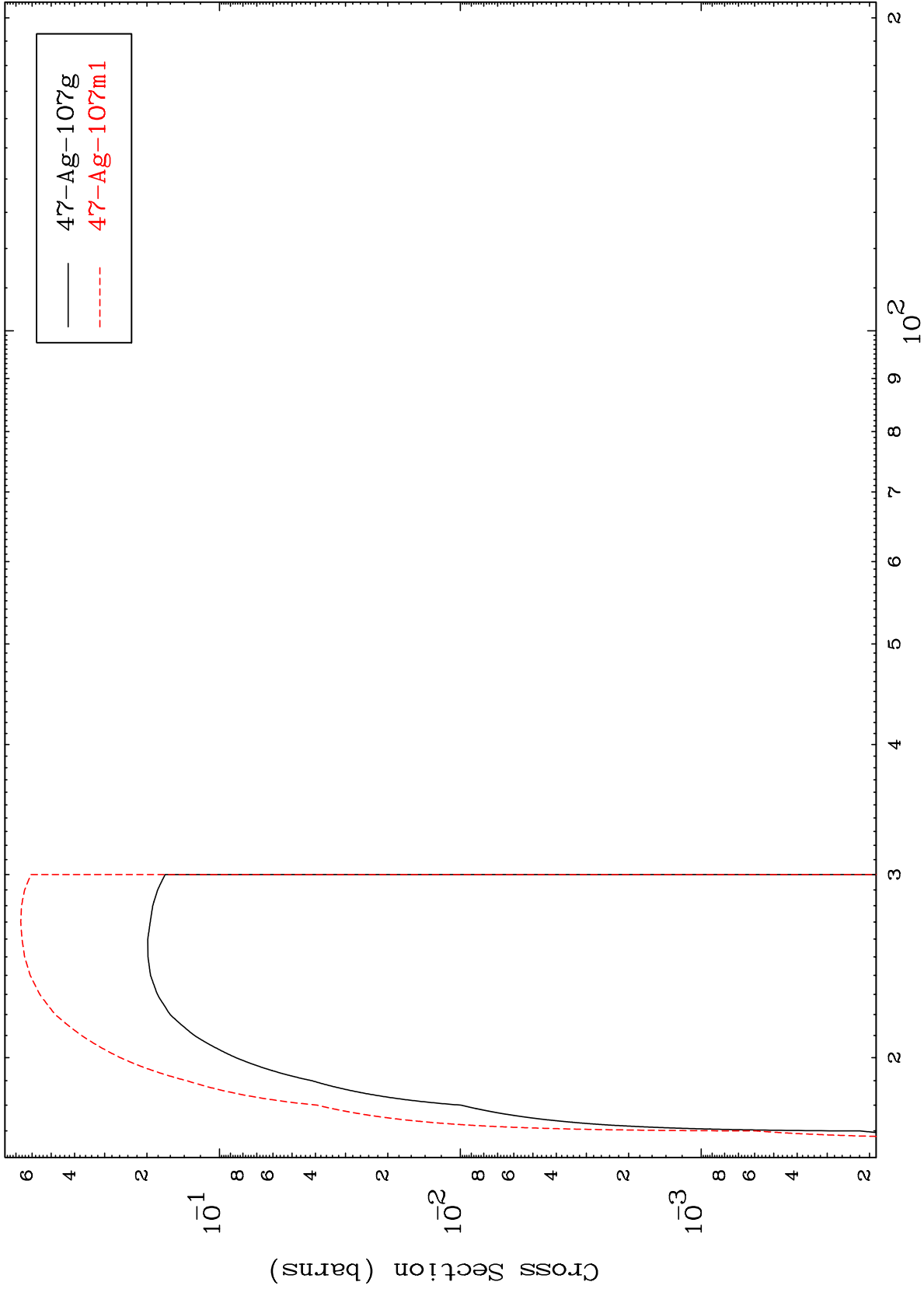


47-Ag-109

Incident Energy (MeV)

128

(n,3n)  
Radionuclide Production Cross Section

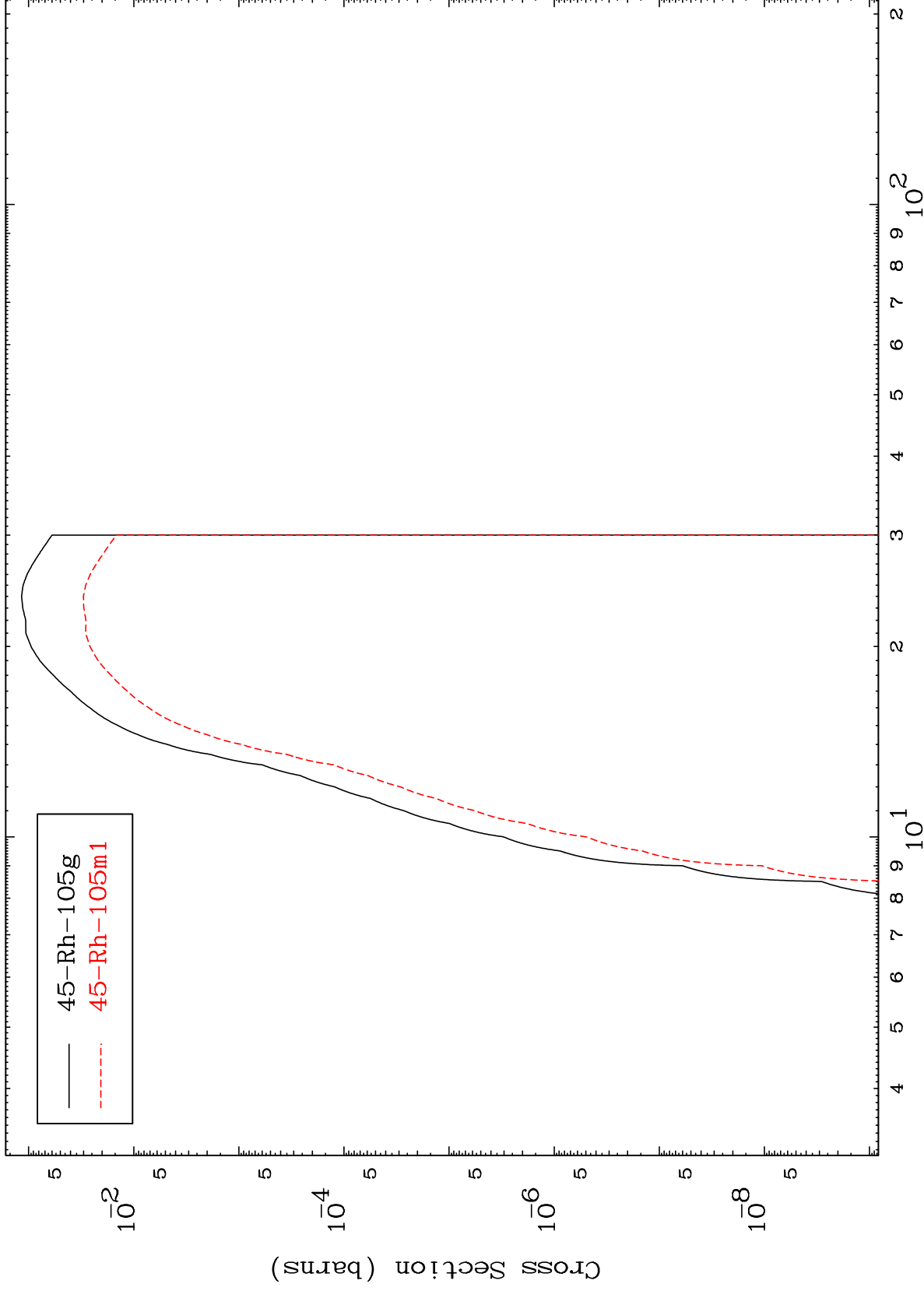


MAT 4731

47-Ag-109

(n,n')  $\alpha$

Radionuclide Production Cross Section



130

Incident Energy (MeV)

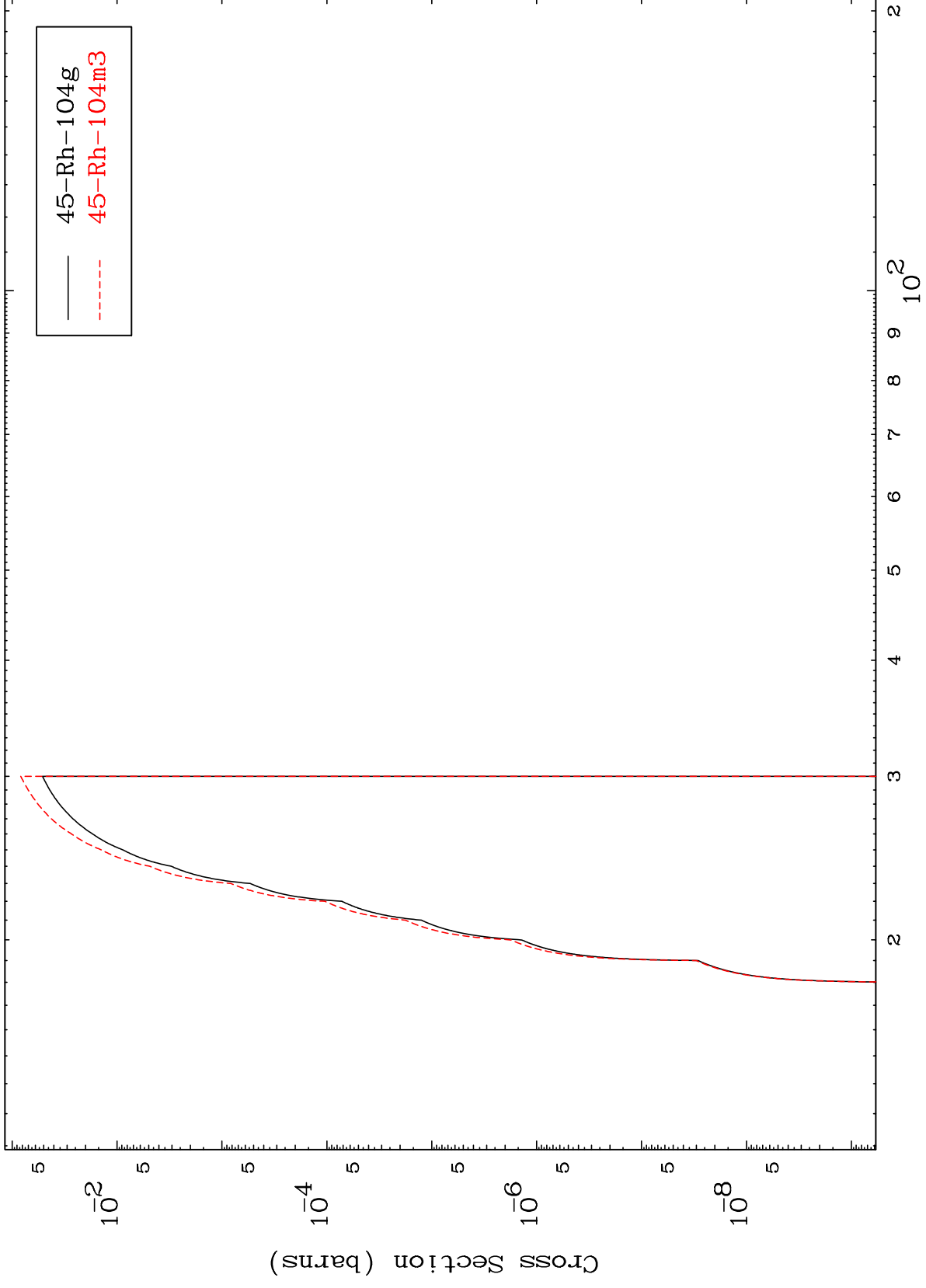
47-Ag-109

MAT 4731

(n,2n)  $\alpha$

47-Ag-109

Radionuclide Production Cross Section



131

Incident Energy (MeV)

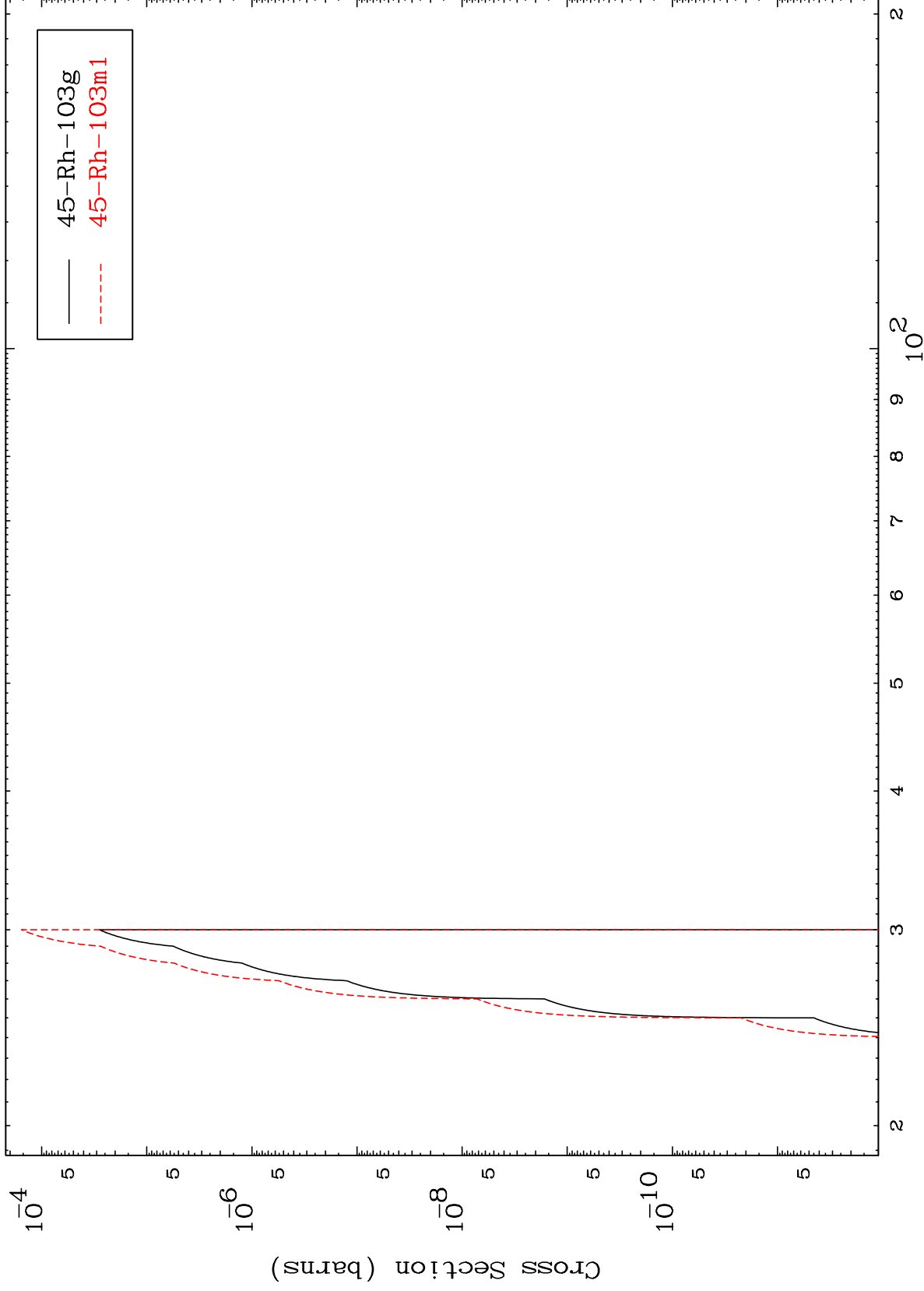
47-Ag-109

MAT 4731

(n,3n)  $\alpha$

47-Ag-109

Radionuclide Production Cross Section

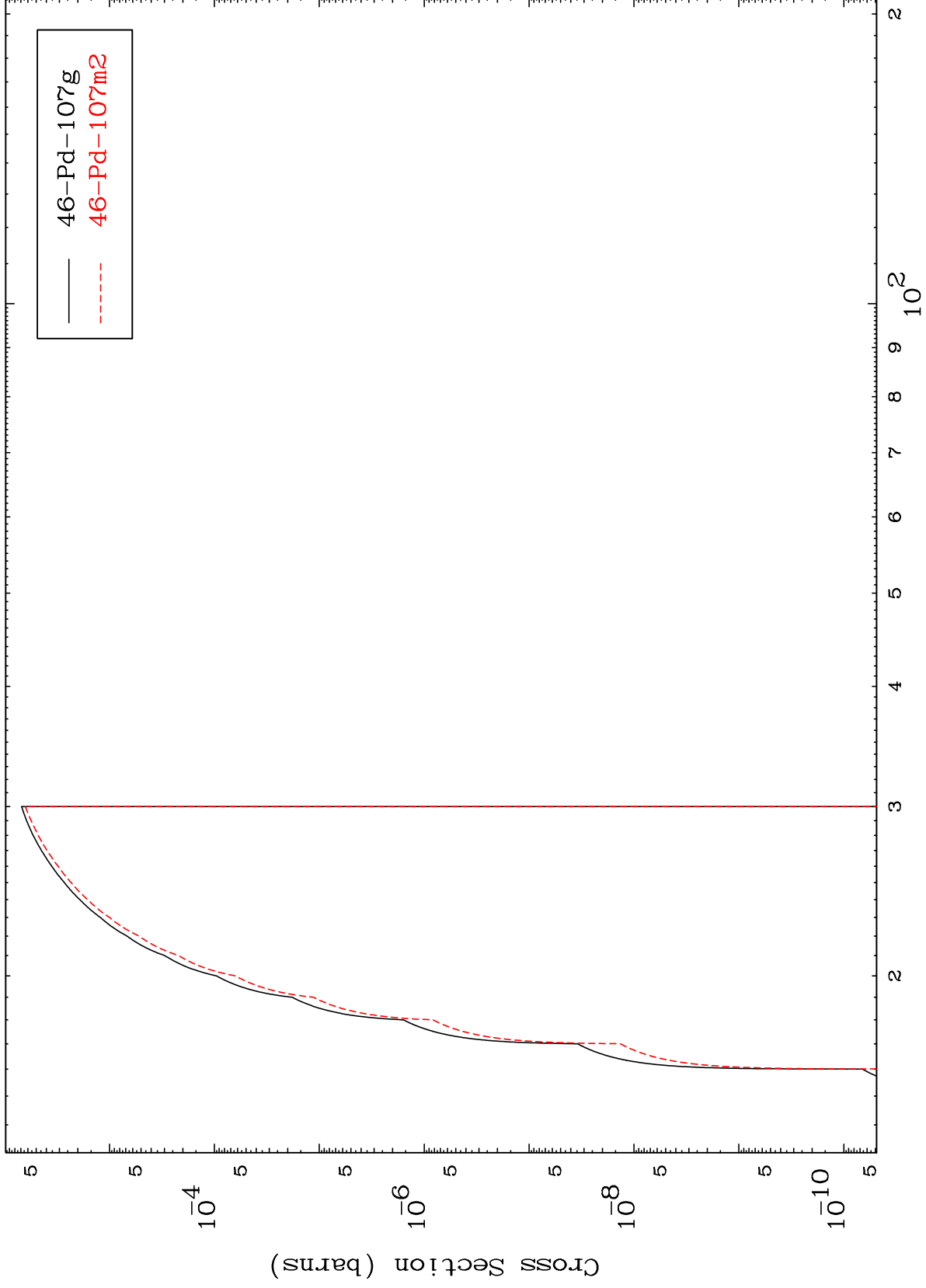


132

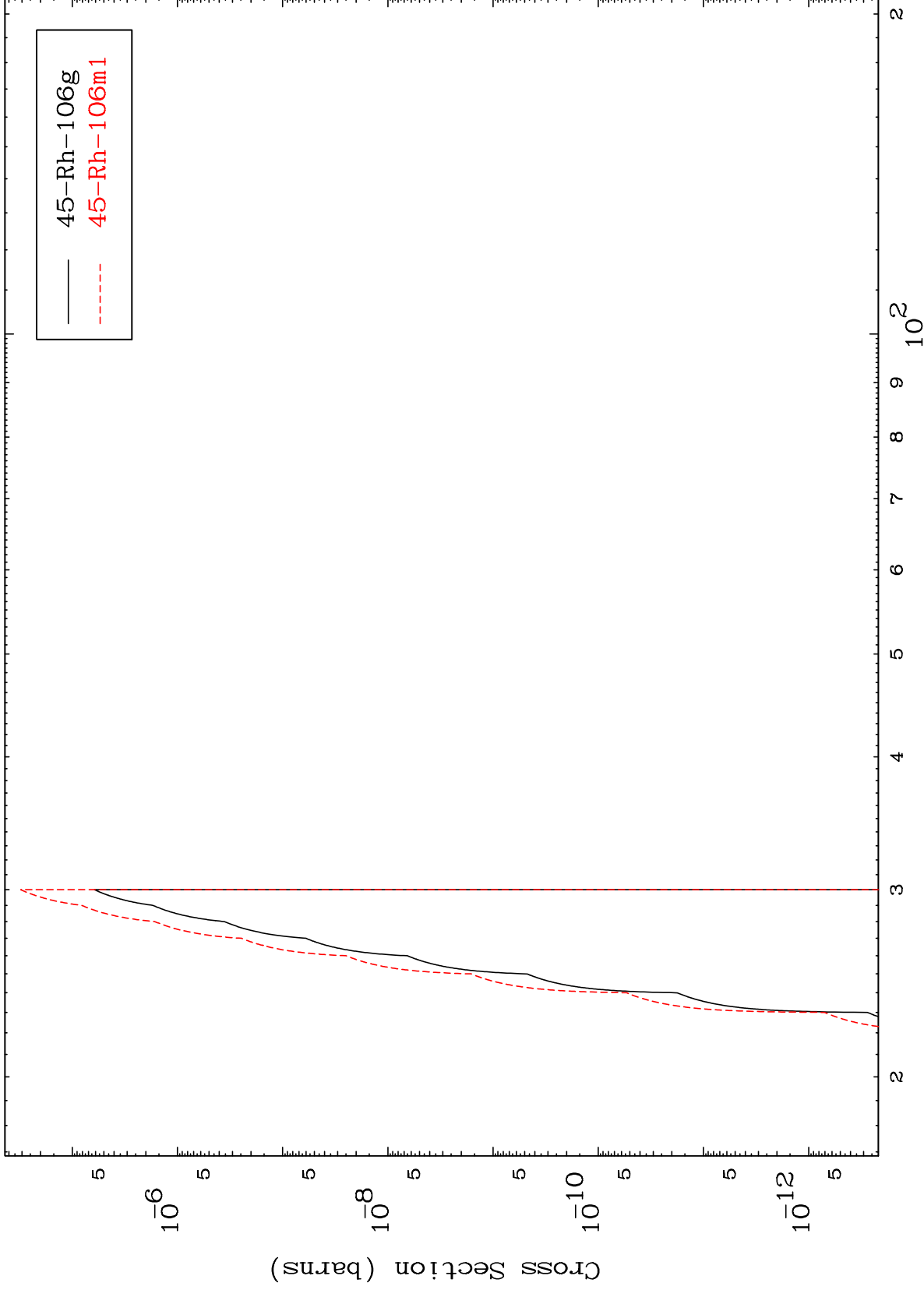
Incident Energy (MeV)

47-Ag-109

$(n, n')$  d  
Radionuclide Production Cross Section



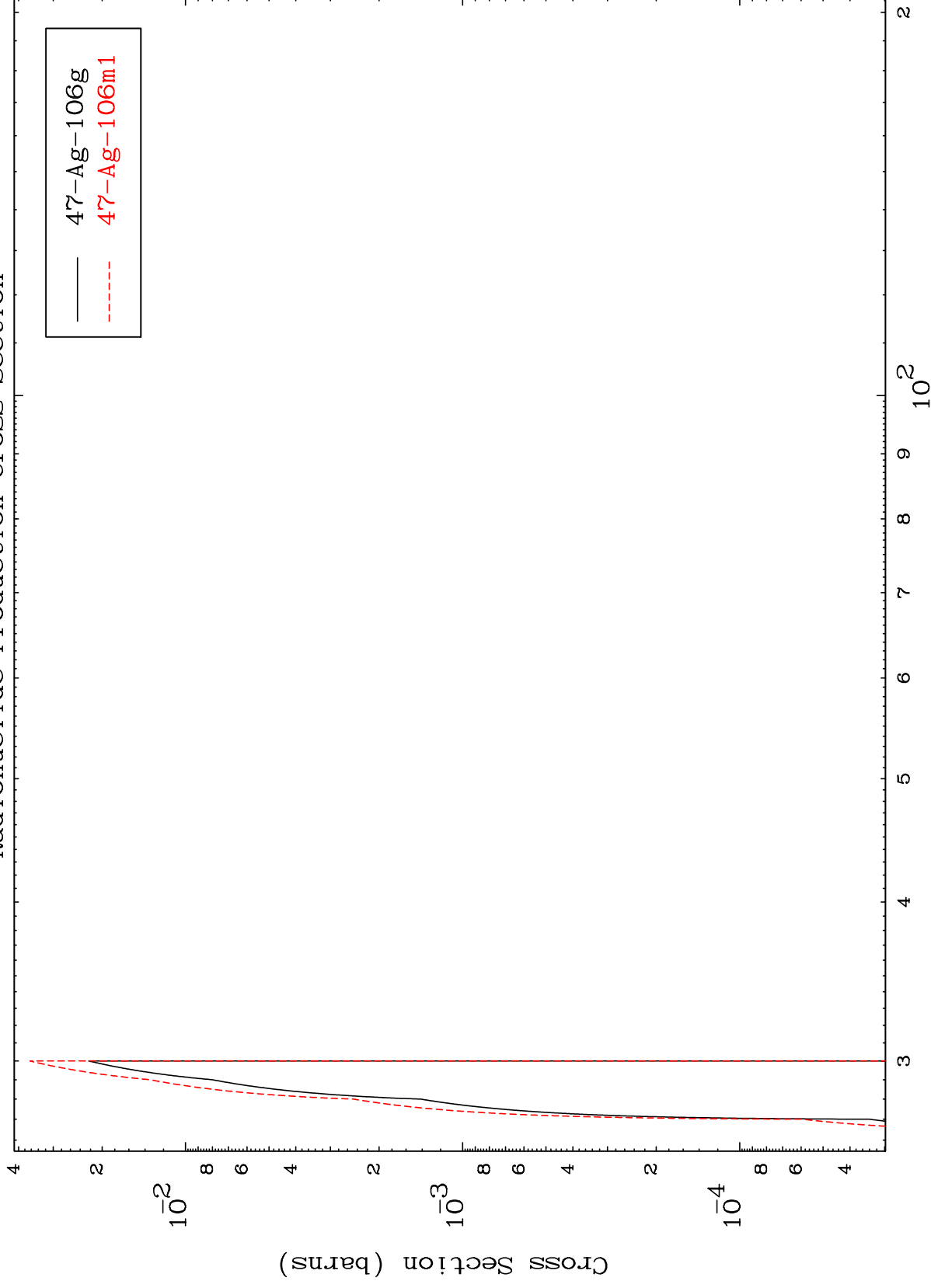
Radionuclide Production Cross Section



MAT 4731

47-Ag-109

(n,4n)  
Radionuclide Production Cross Section



135

Incident Energy (MeV)

47-Ag-109

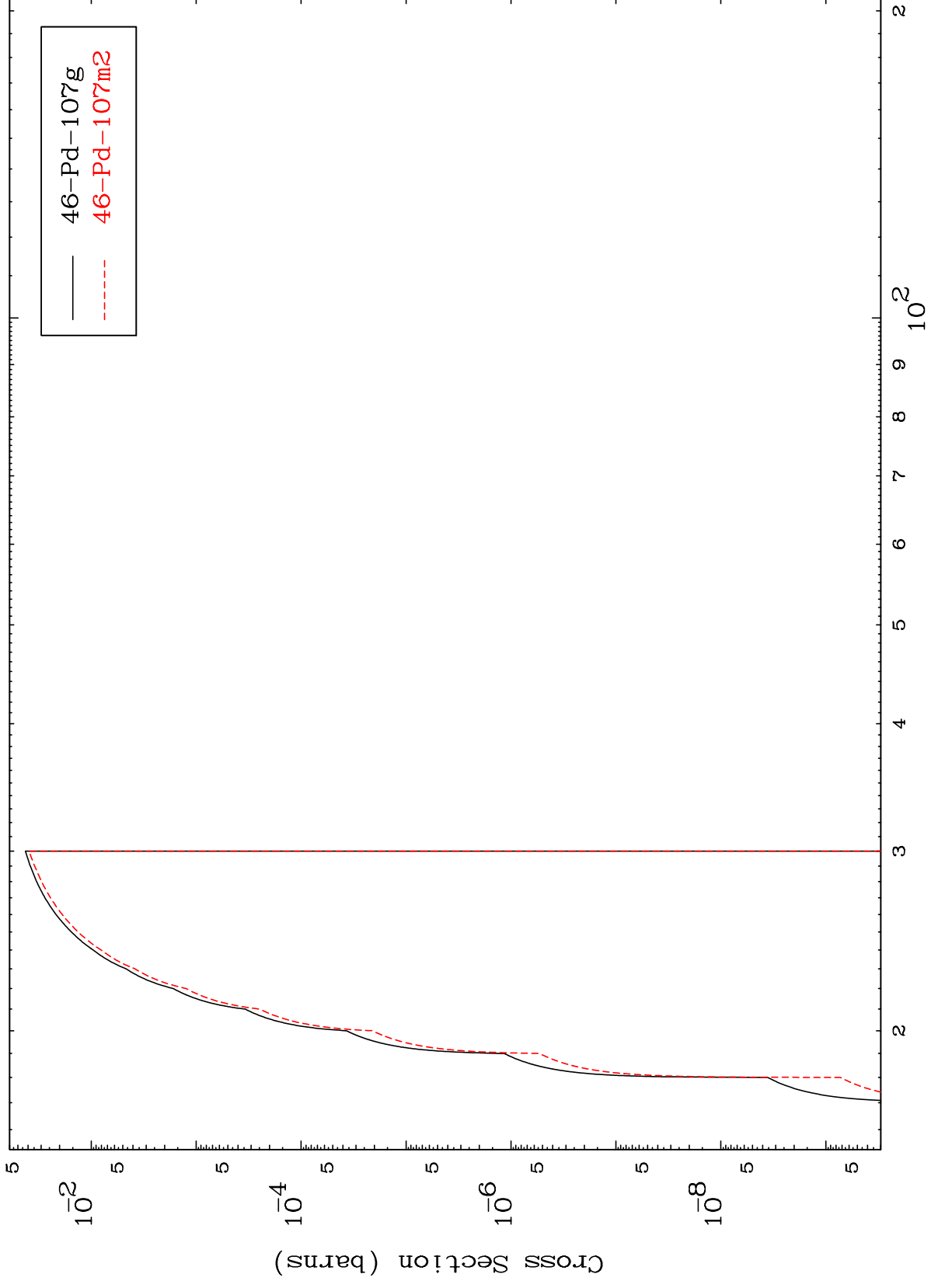


MAT 4731

(n,2n) p

47-Ag-109

Radionuclide Production Cross Section



136

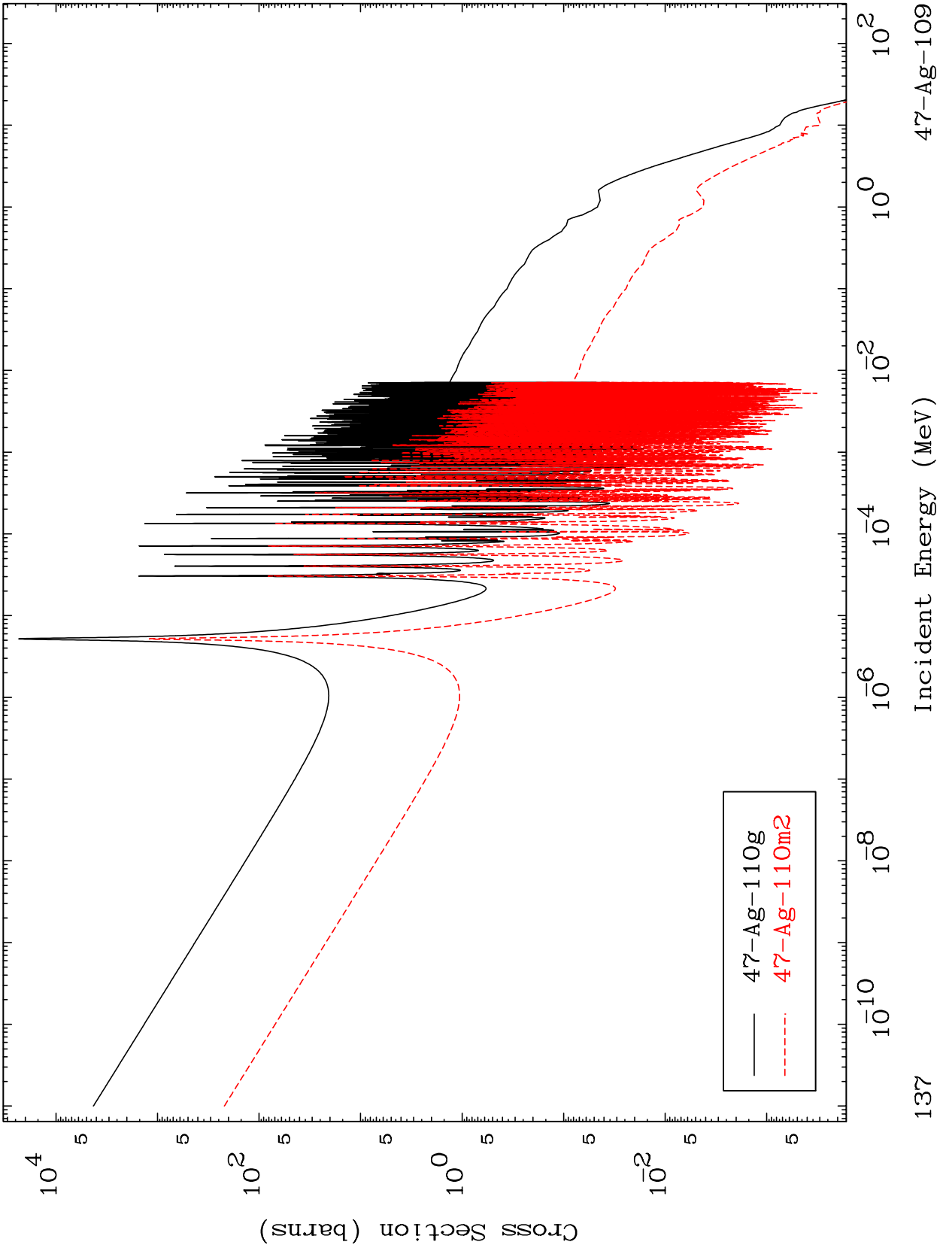
Incident Energy (MeV)

47-Ag-109

MAT 4731

47-Ag-109

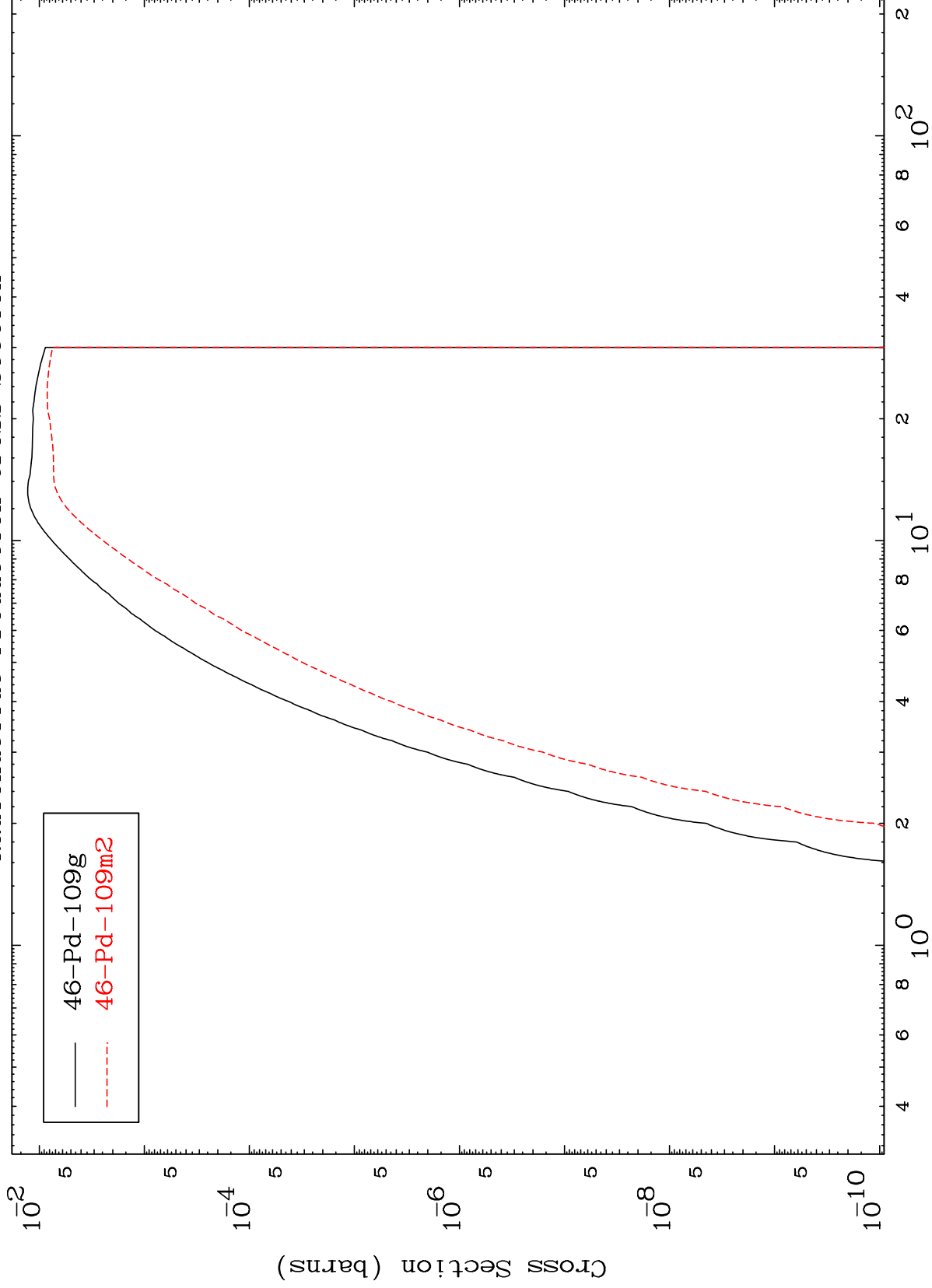
$(n, \gamma)$   
Radionuclide Production Cross Section



MAT 4731

47-Ag-109

Radionuclide Production Cross Section (n,p)



138

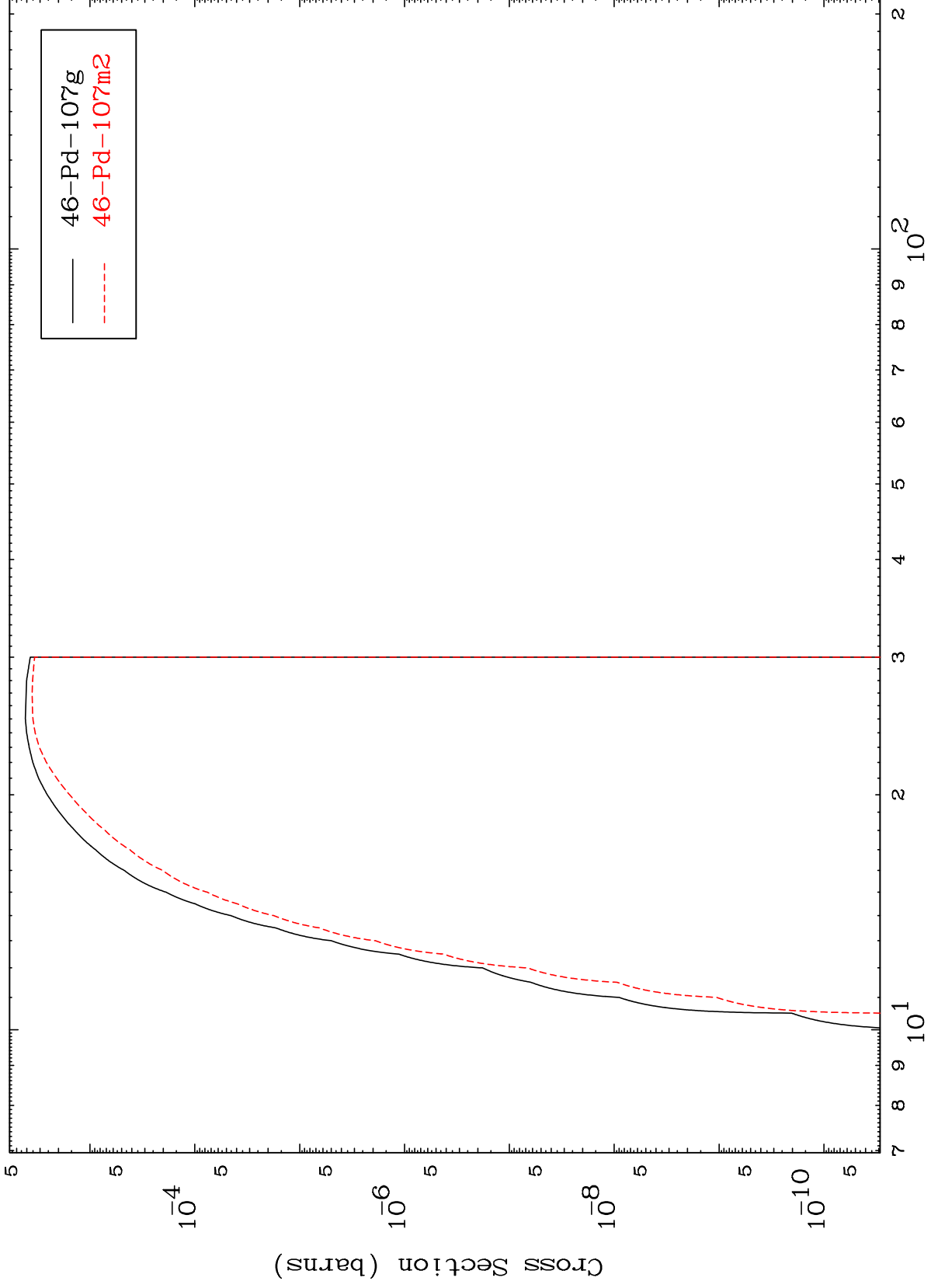
Incident Energy (MeV)

47-Ag-109

MAT 4731

47-Ag-109

(n, t)  
Radionuclide Production Cross Section



139

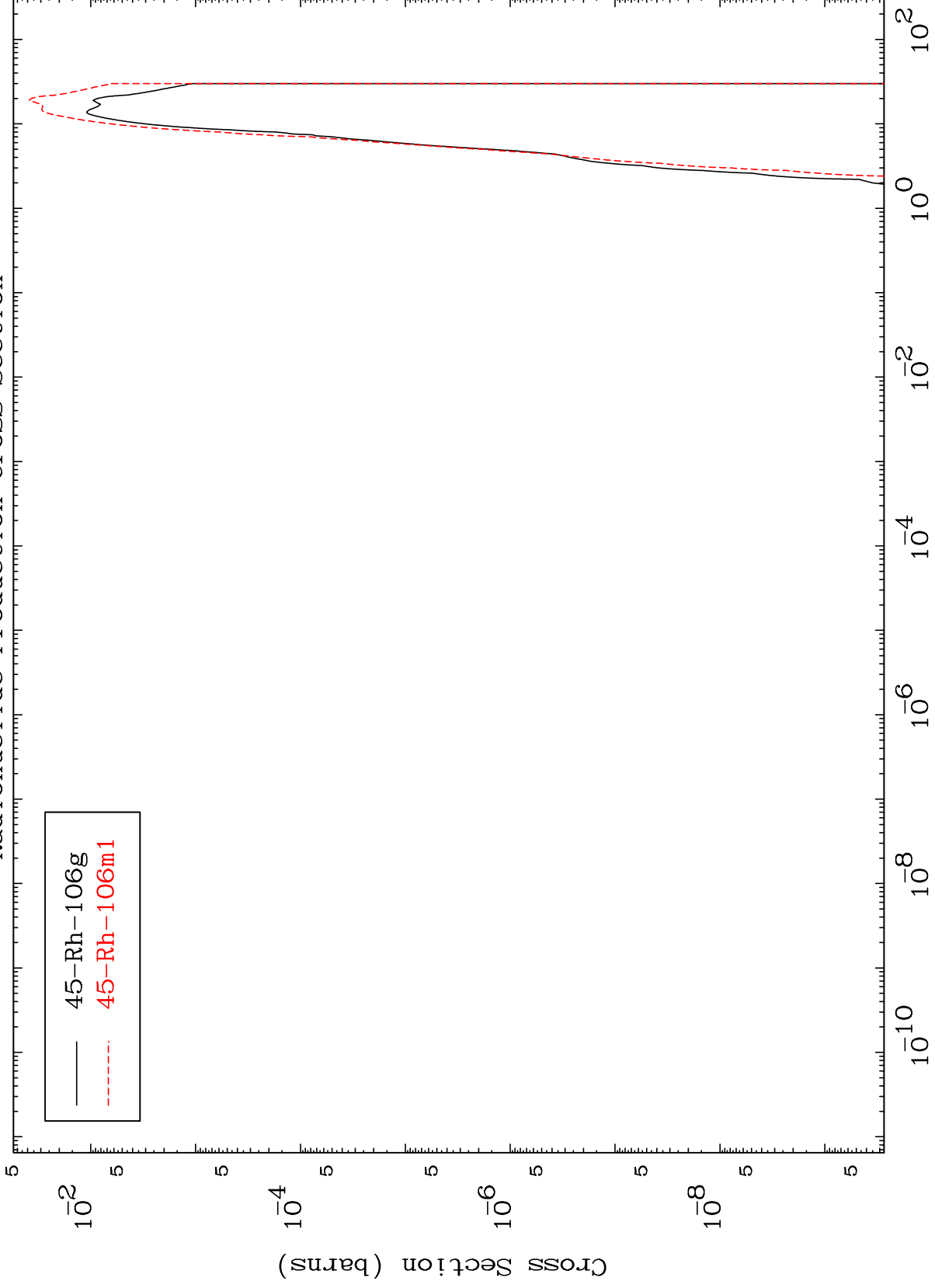
Incident Energy (MeV)

47-Ag-109

MAT 4731

47-Ag-109

(n,  $\alpha$ )  
Radionuclide Production Cross Section



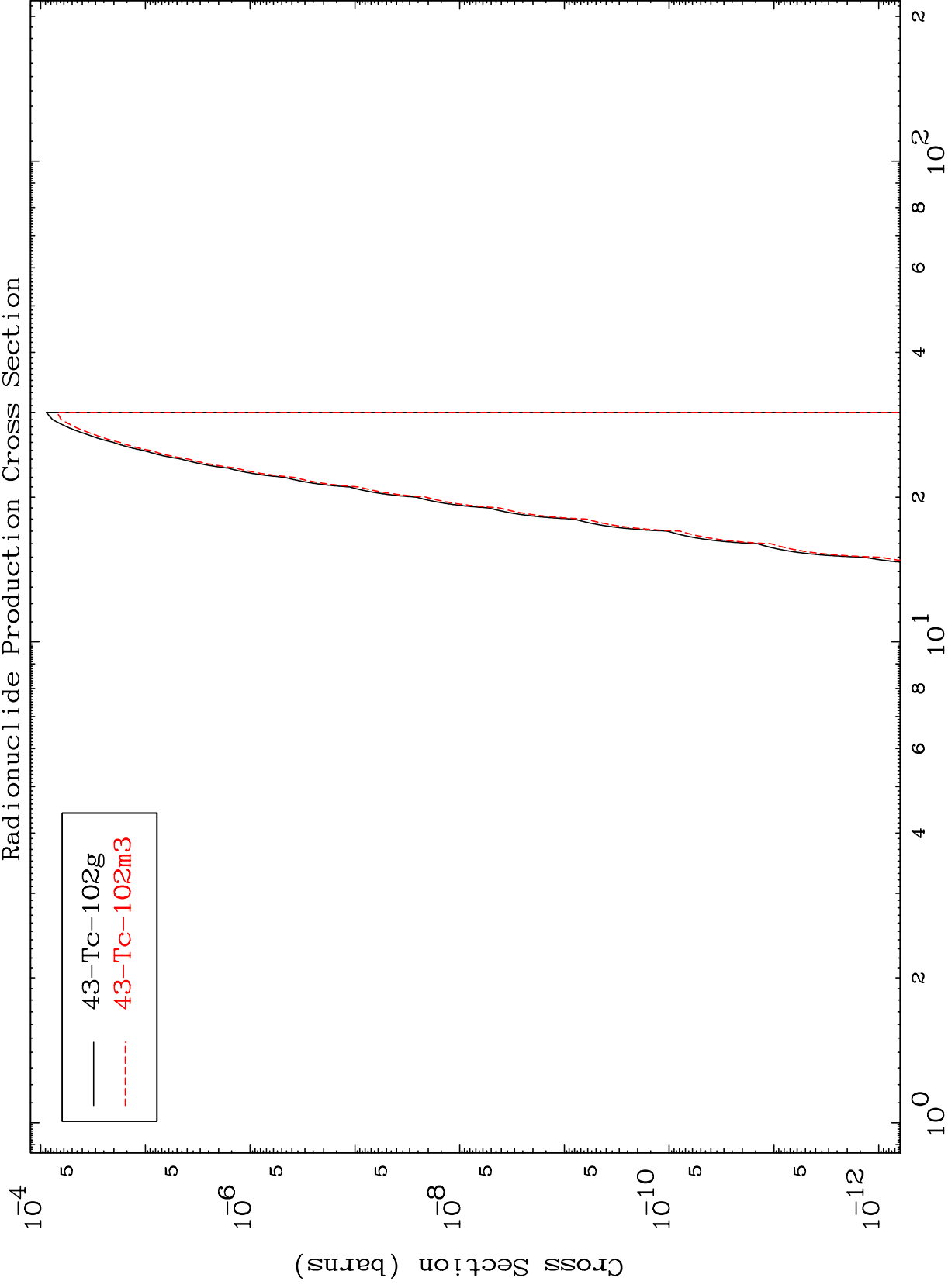
140

47-Ag-109

MAT 4731

47-Ag-109

(n,2α)  
Radionuclide Production Cross Section



141

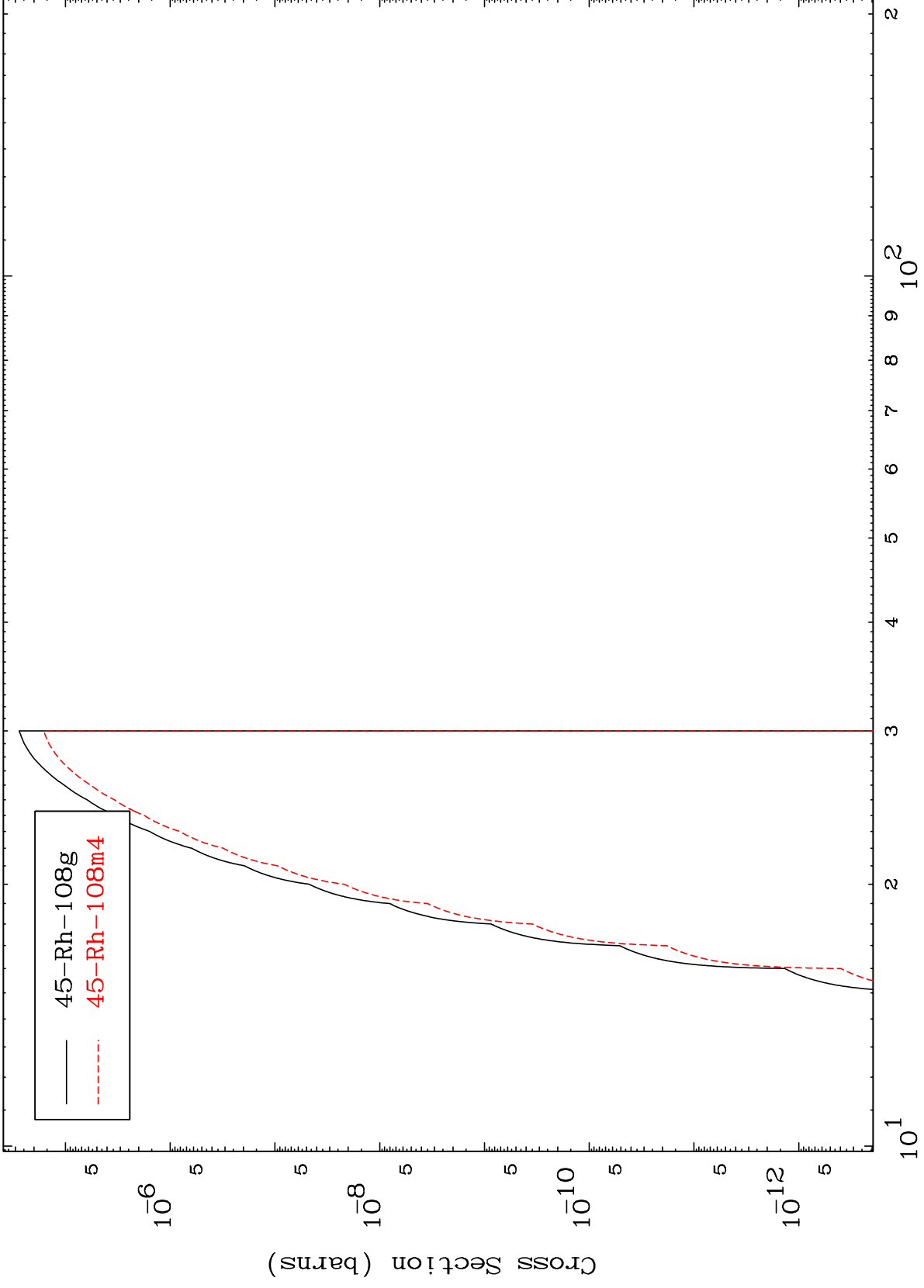
Incident Energy (MeV)

47-Ag-109

MAT 4731

47-Ag-109

(n,2p)  
Radionuclide Production Cross Section



142

Incident Energy (MeV)

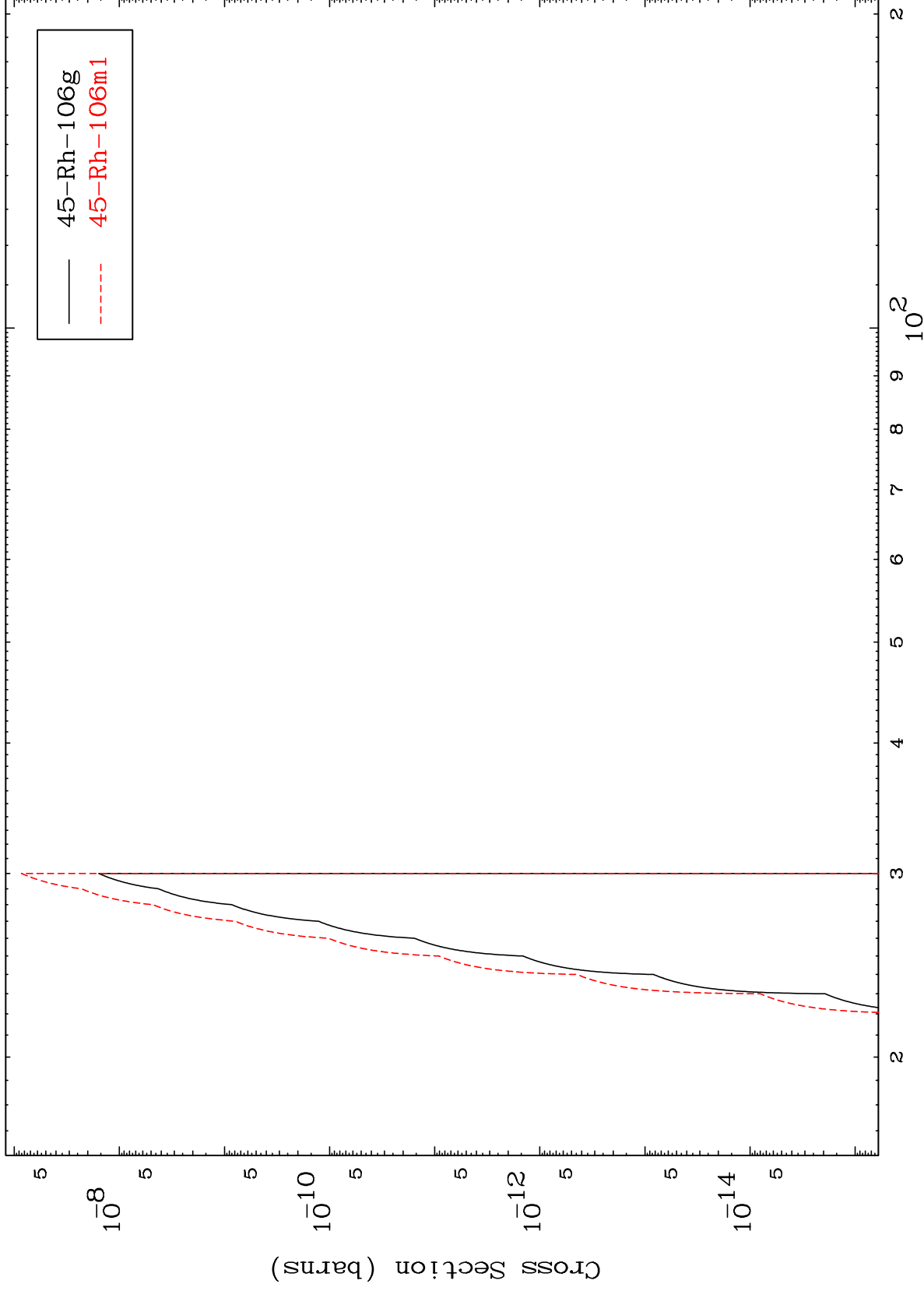
47-Ag-109

MAT 4731

(n,p) t

47-Ag-109

Radionuclide Production Cross Section



143

Incident Energy (MeV)

47-Ag-109