

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

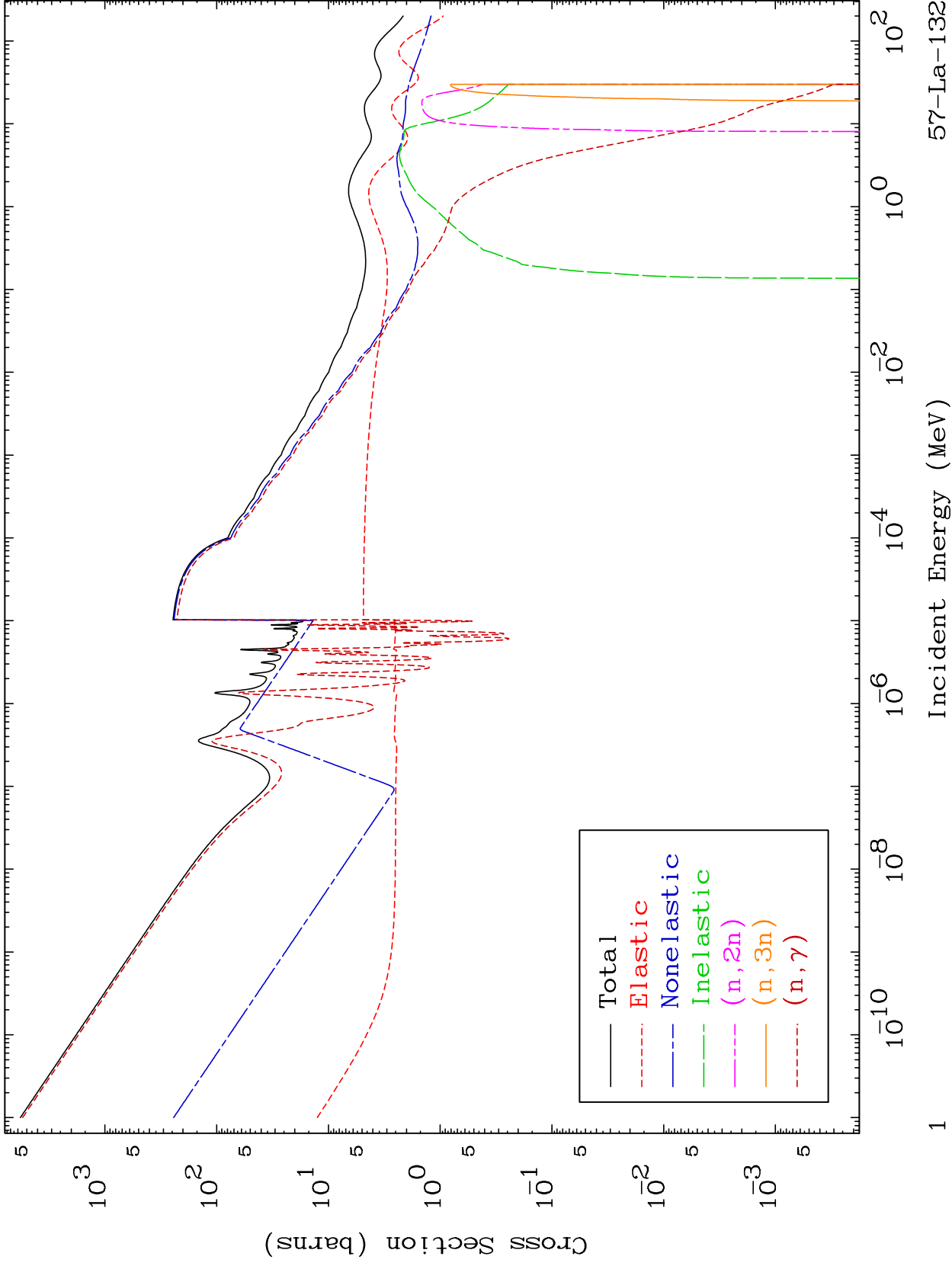
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5707

Neutron Major  
293 Kelvin Cross Sections

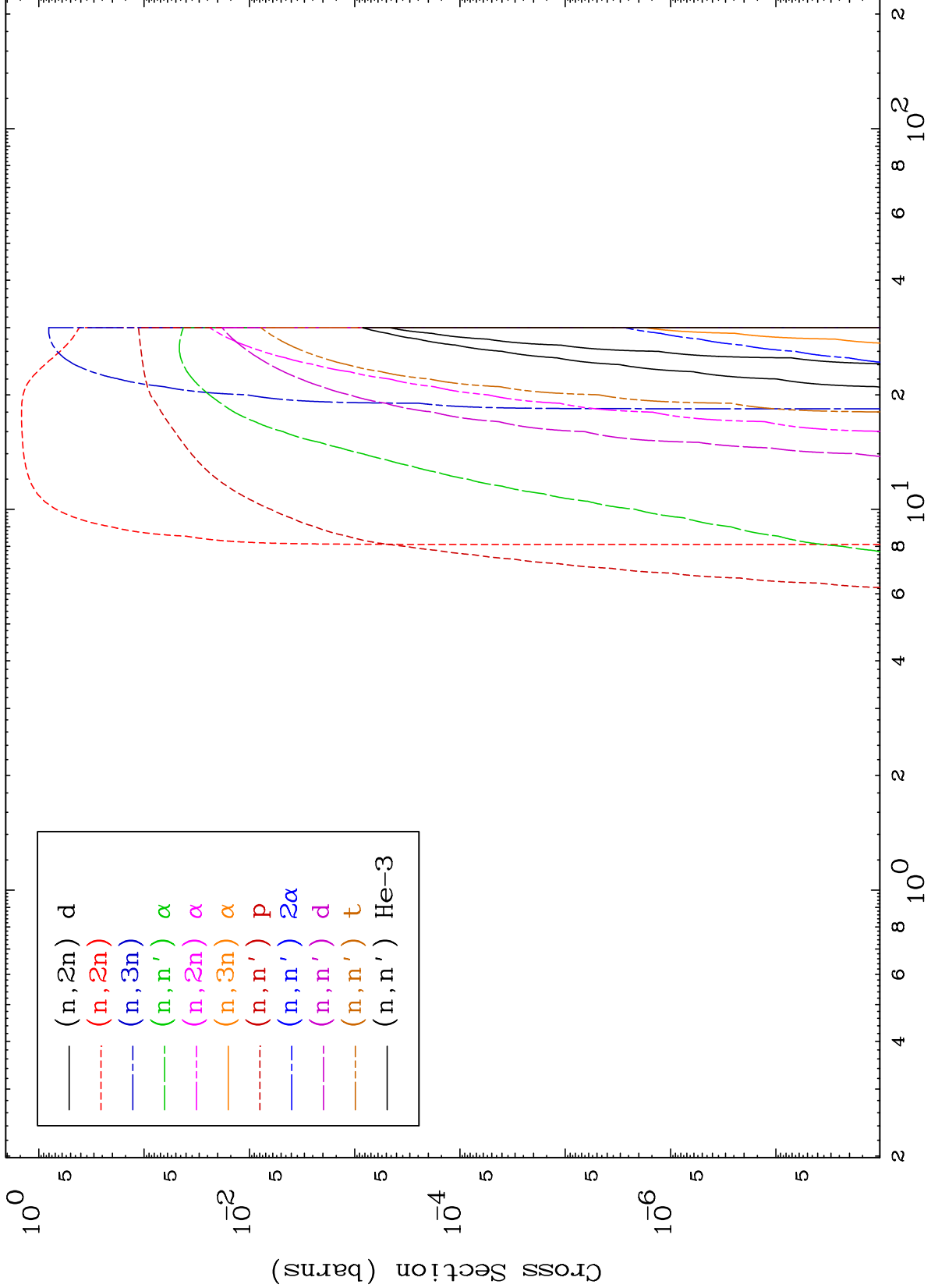
57-La-132



MAT 5707

Neutron Absorption  
293 Kelvin Cross Sections

57-La-132



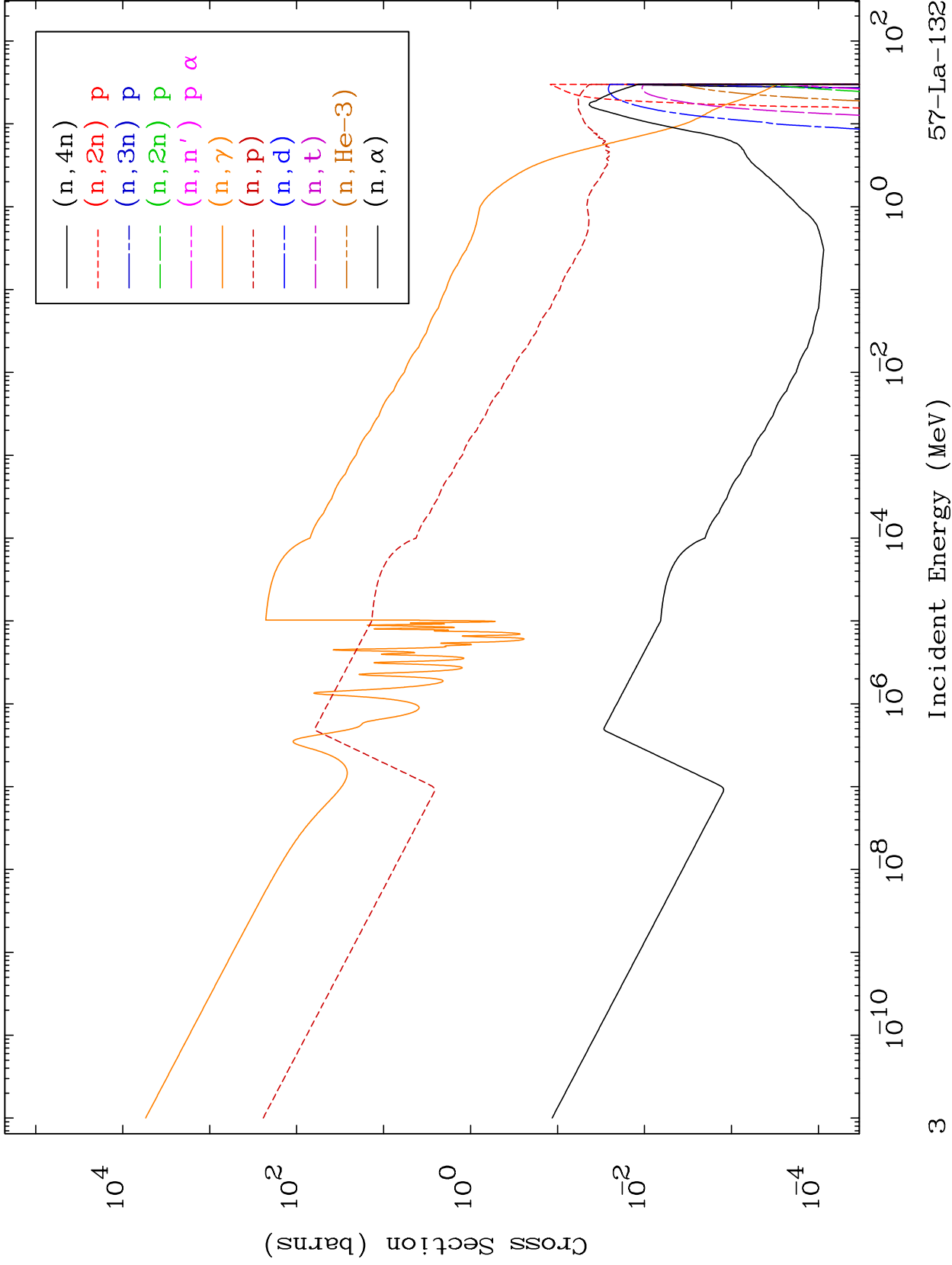
57-La-132

Incident Energy (MeV)

MAT 5707

Neutron Absorption  
293 Kelvin Cross Sections

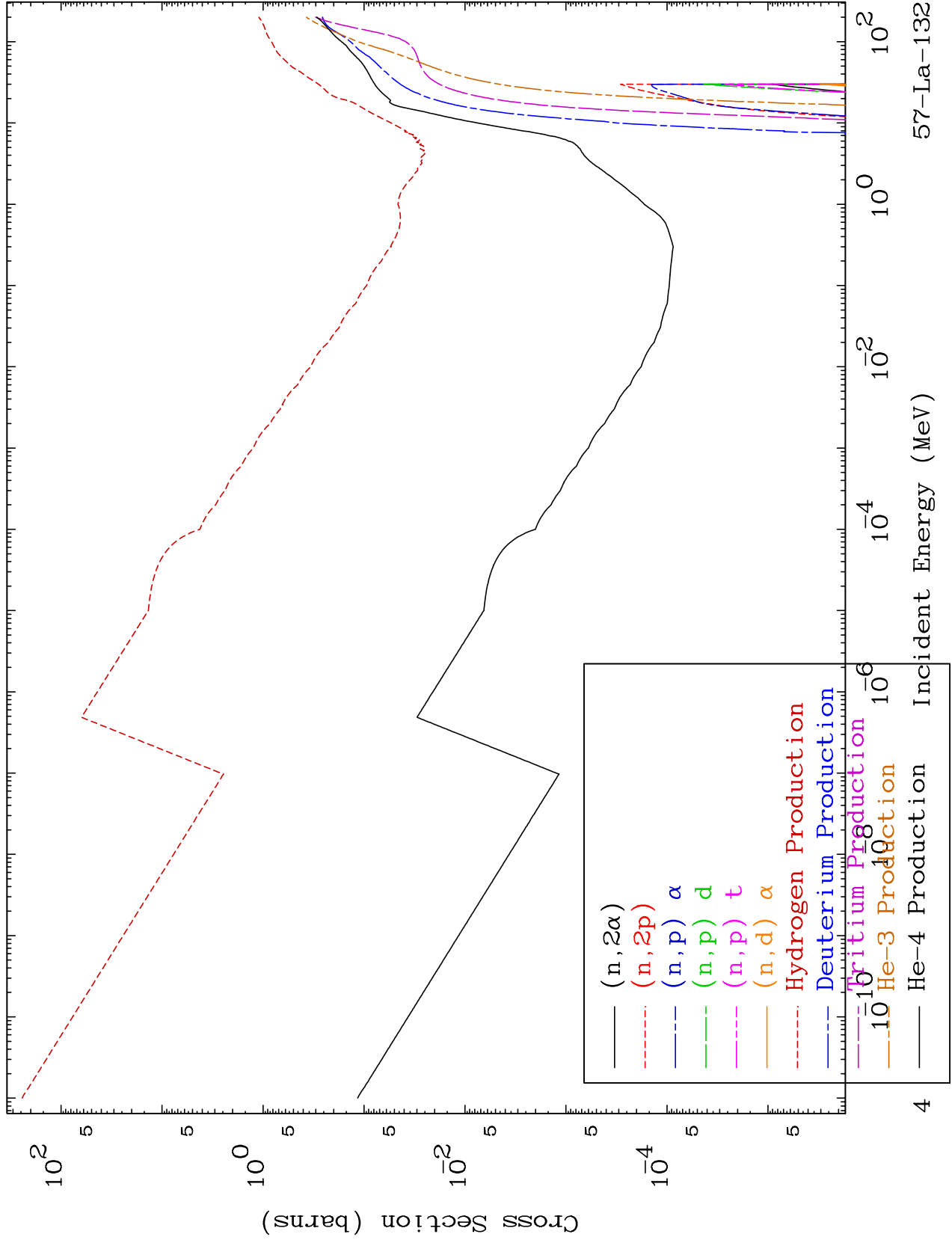
57-La-132



MAT 5707

Neutron Absorption  
293 Kelvin Cross Sections

57-La-132



57-La-132

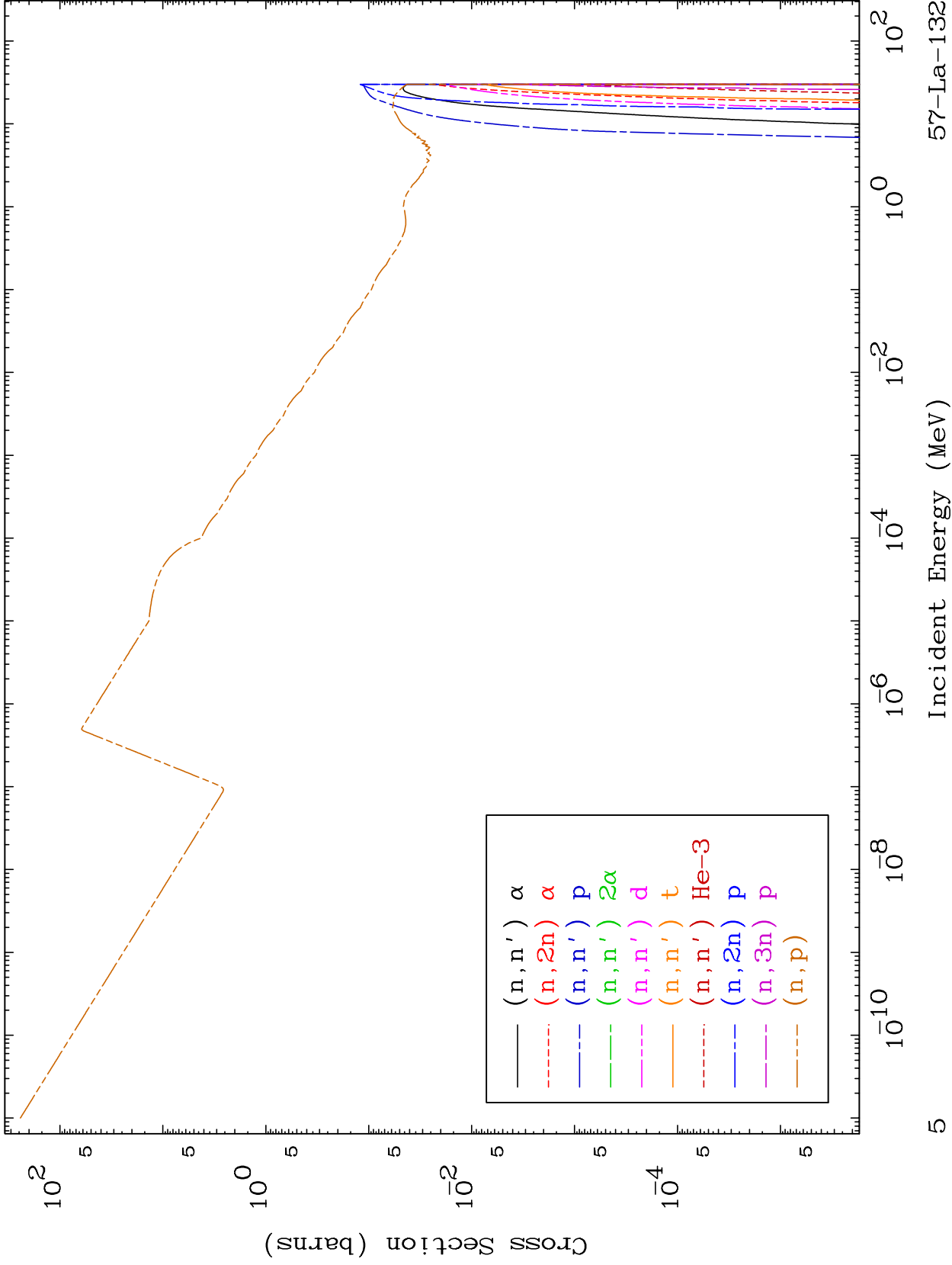
Incident Energy (MeV)

4

MAT 5707

Charged Particle  
293 Kelvin Cross Sections

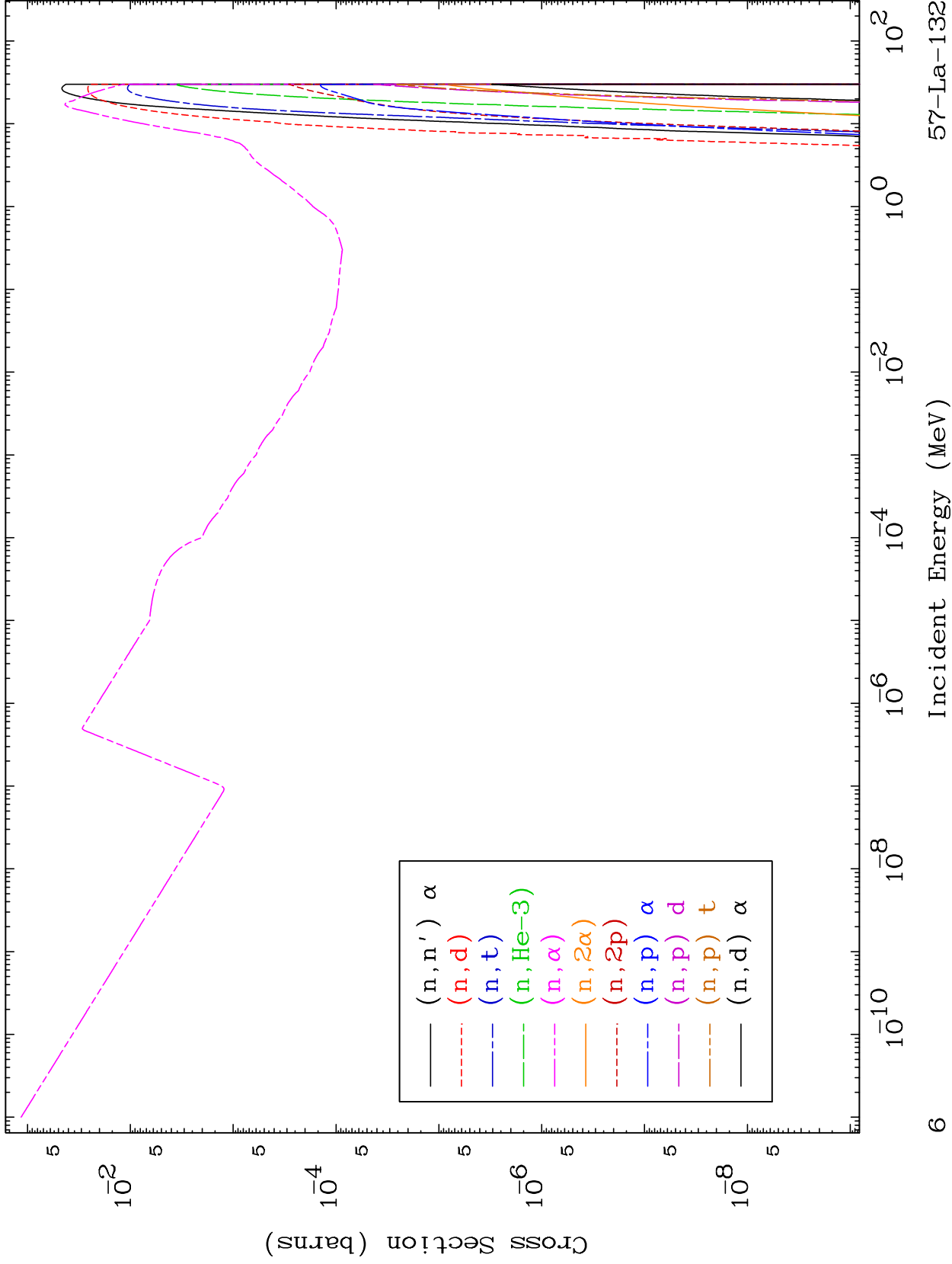
57-La-132



MAT 5707

Charged Particle  
293 Kelvin Cross Sections

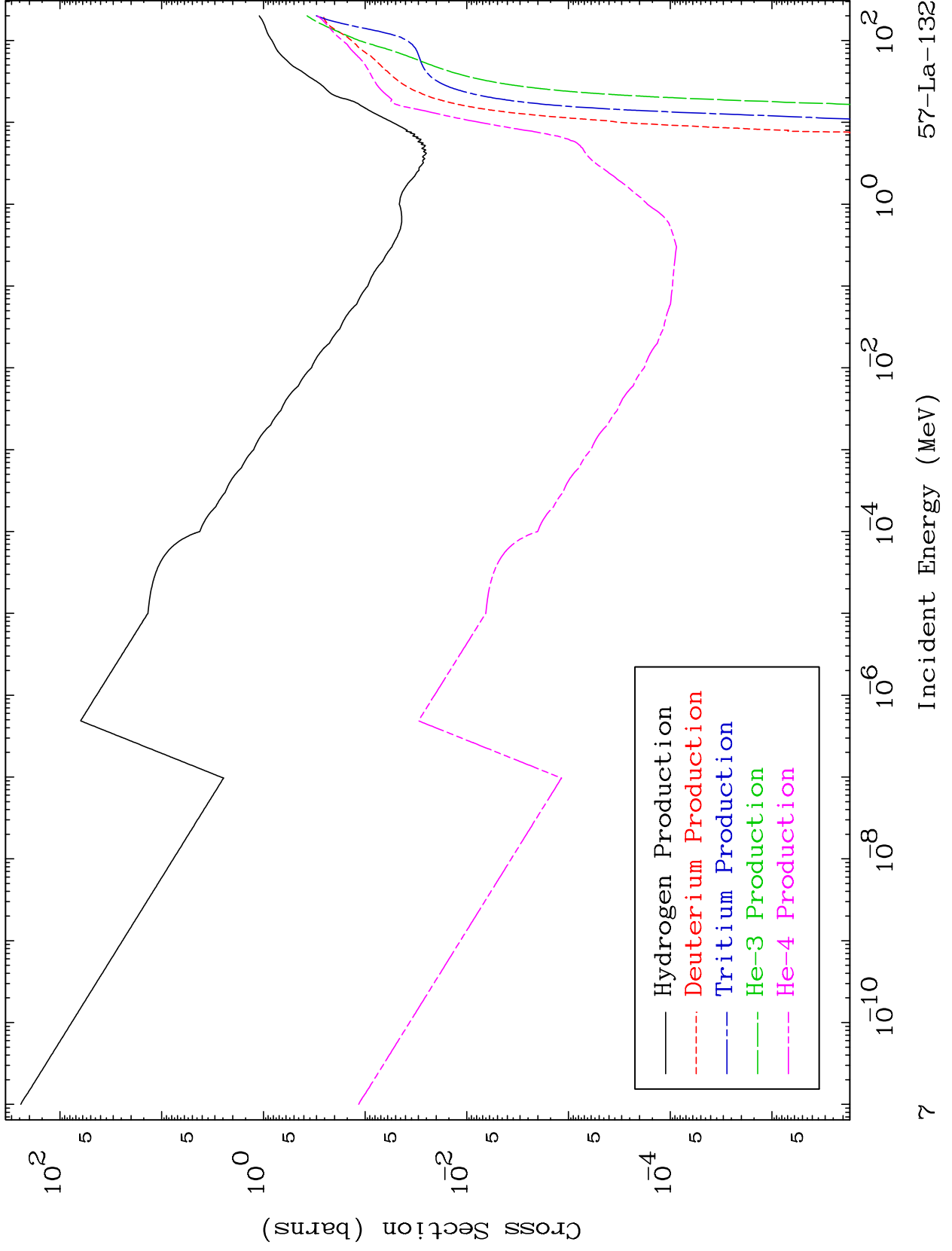
57-La-132



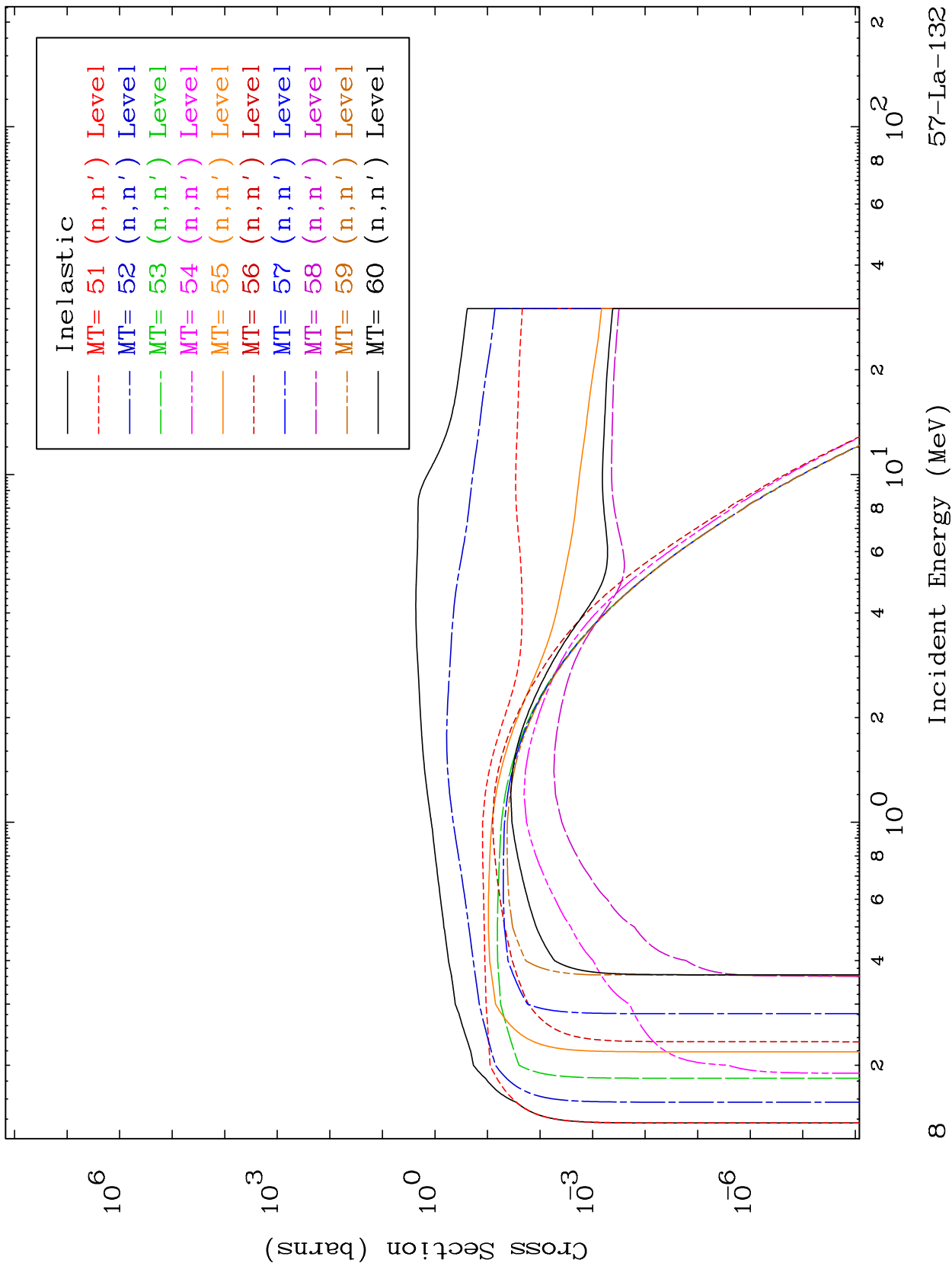
MAT 5707

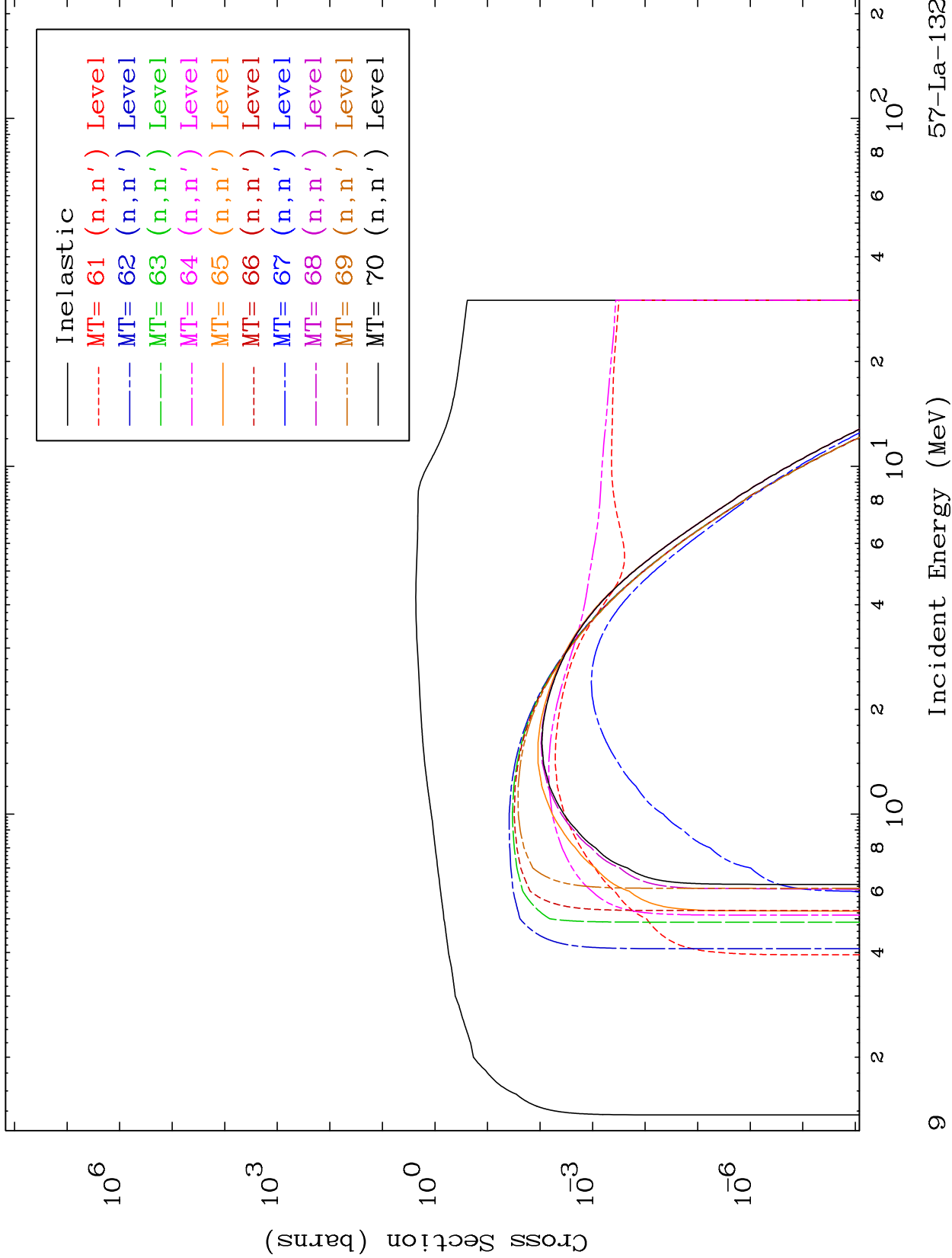
Particle Production  
293 Kelvin Cross Sections

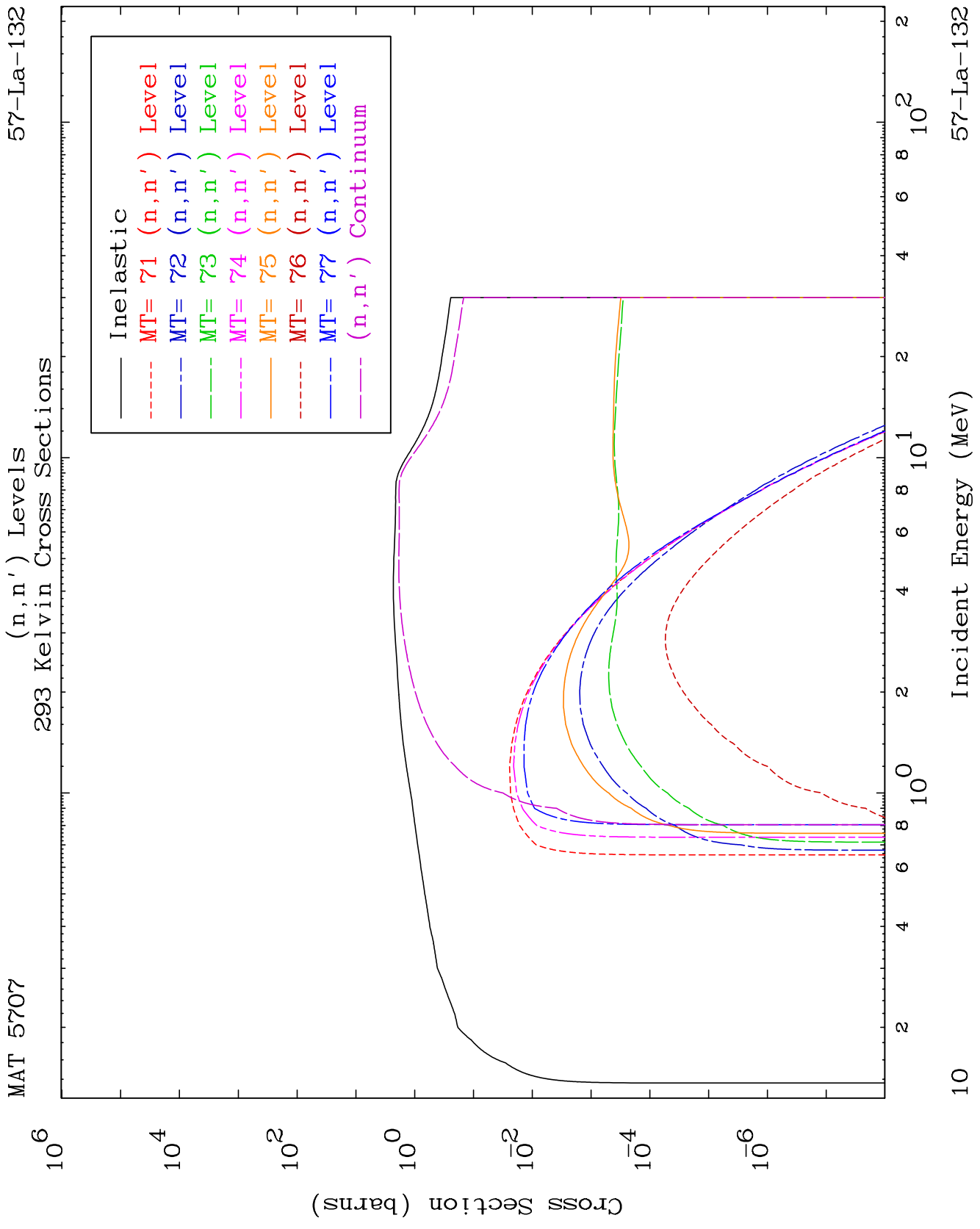
57-La-132







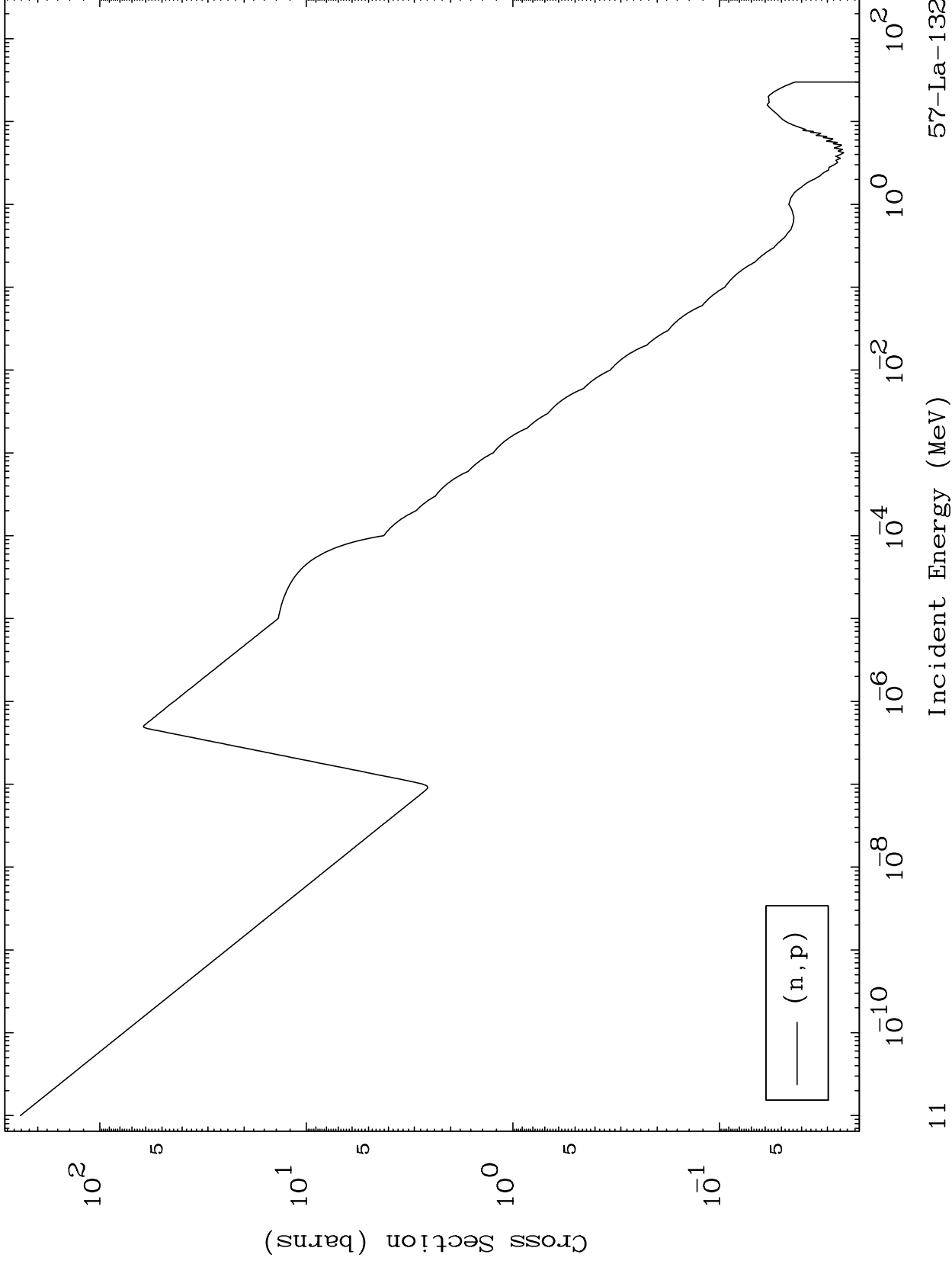




MAT 5707

(n,p) Levels  
293 Kelvin Cross Sections

57-La-132



11

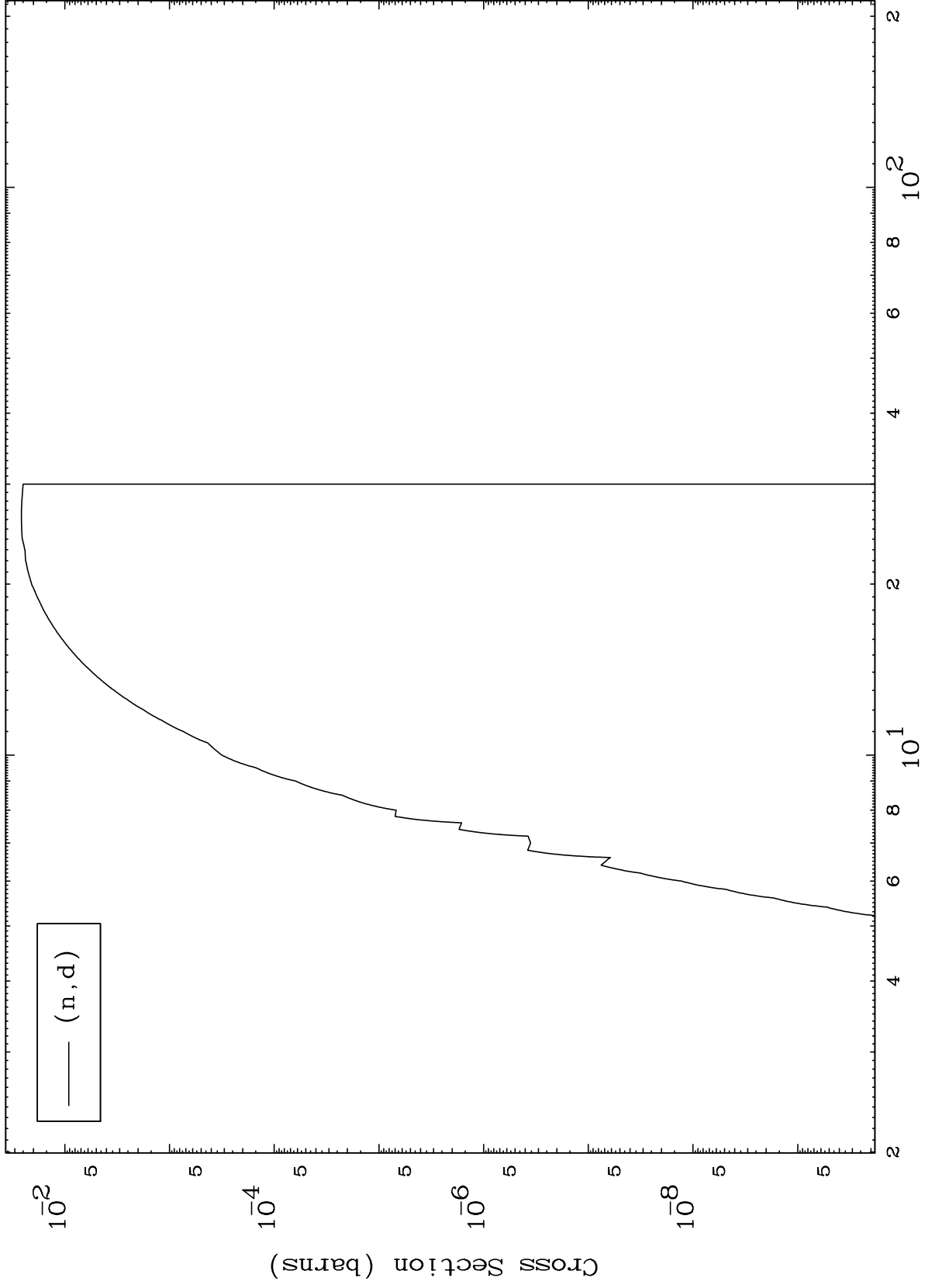
Incident Energy (MeV)

57-La-132

MAT 5707

(n,d) Levels  
293 Kelvin Cross Sections

57-La-132



12

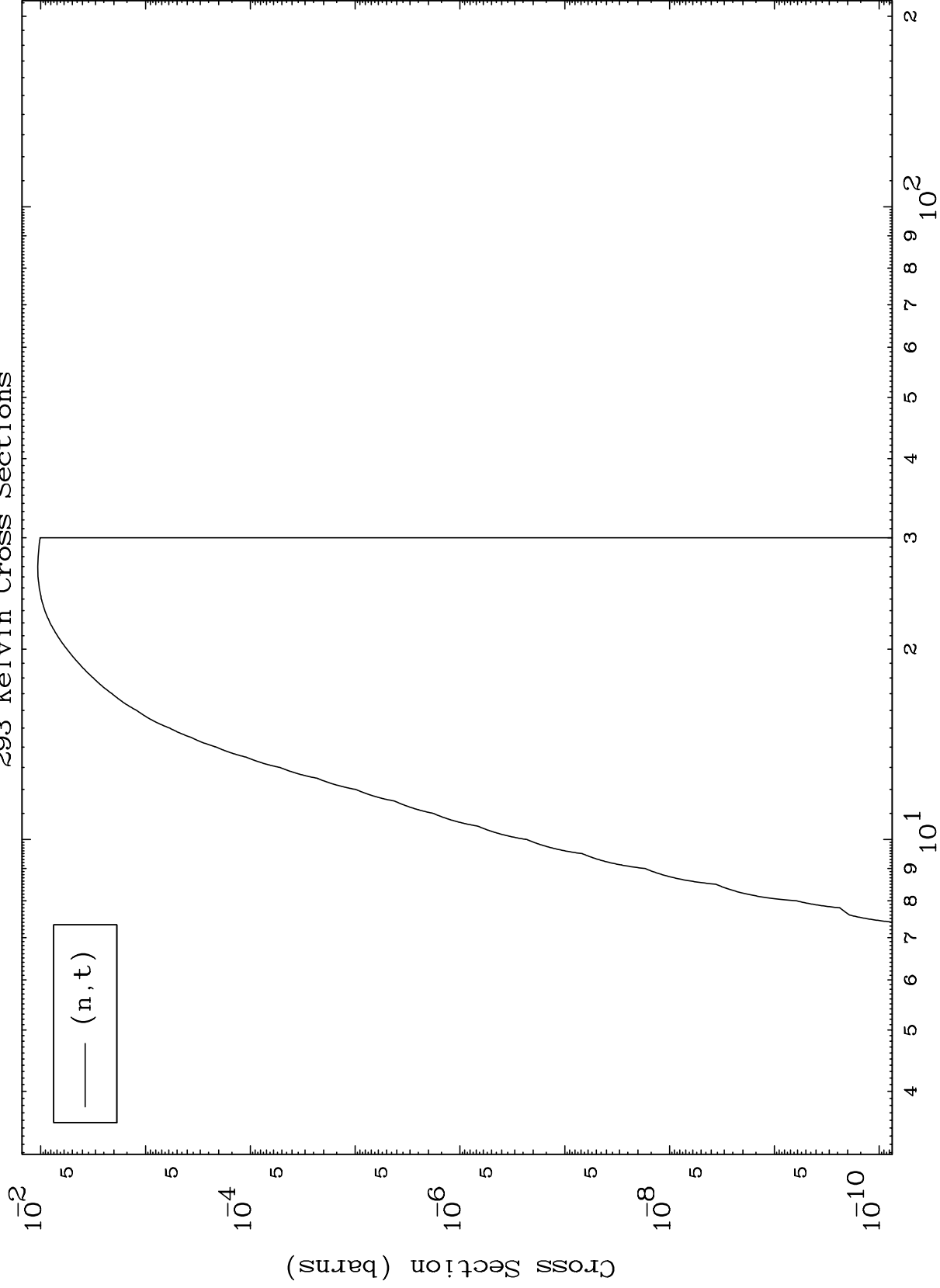
Incident Energy (MeV)

57-La-132

MAT 5707

(n,t) Levels  
293 Kelvin Cross Sections

57-La-132



13

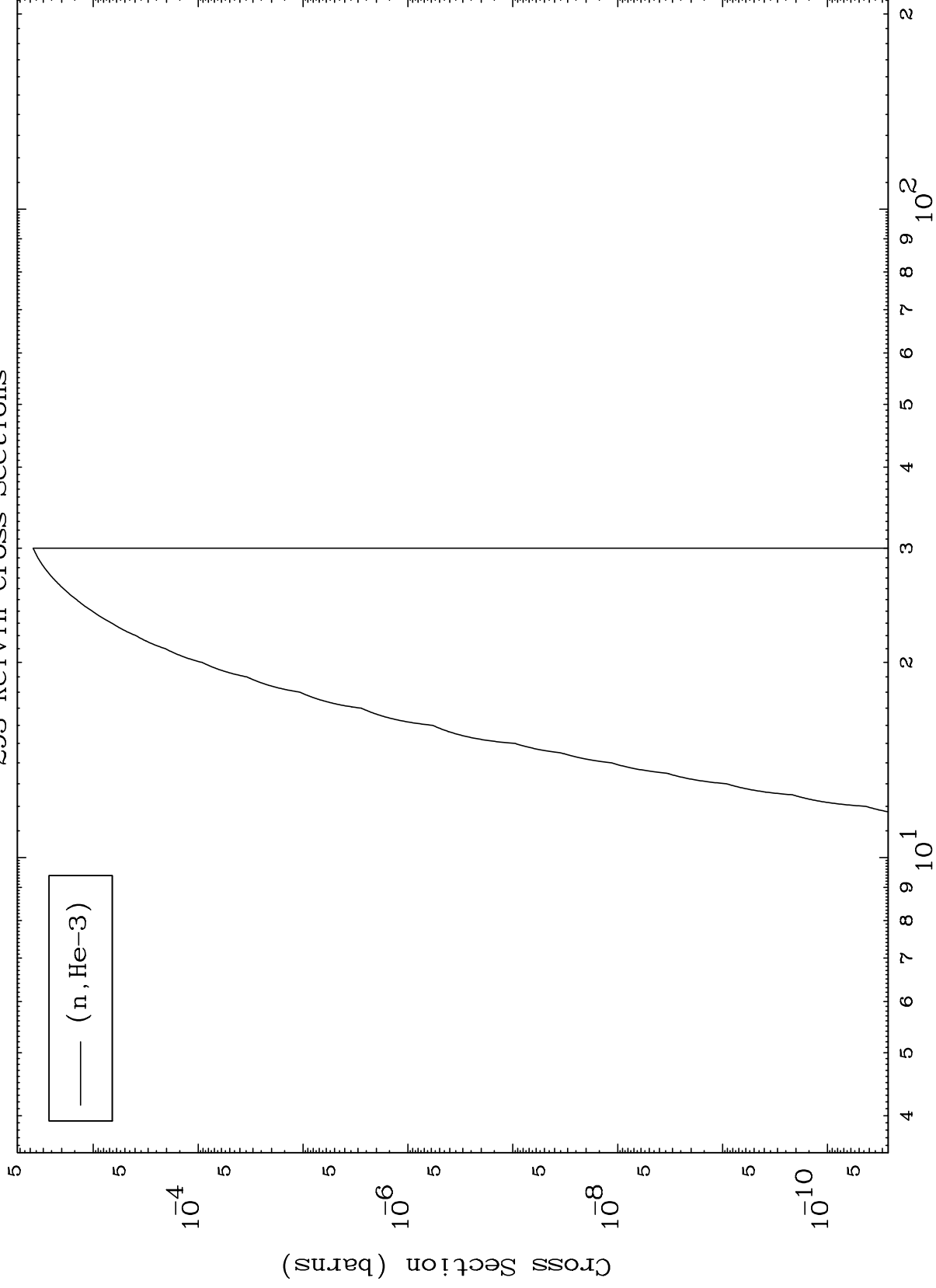
Incident Energy (MeV)

57-La-132

MAT 5707

(n,He3) Levels  
293 Kelvin Cross Sections

57-La-132



14

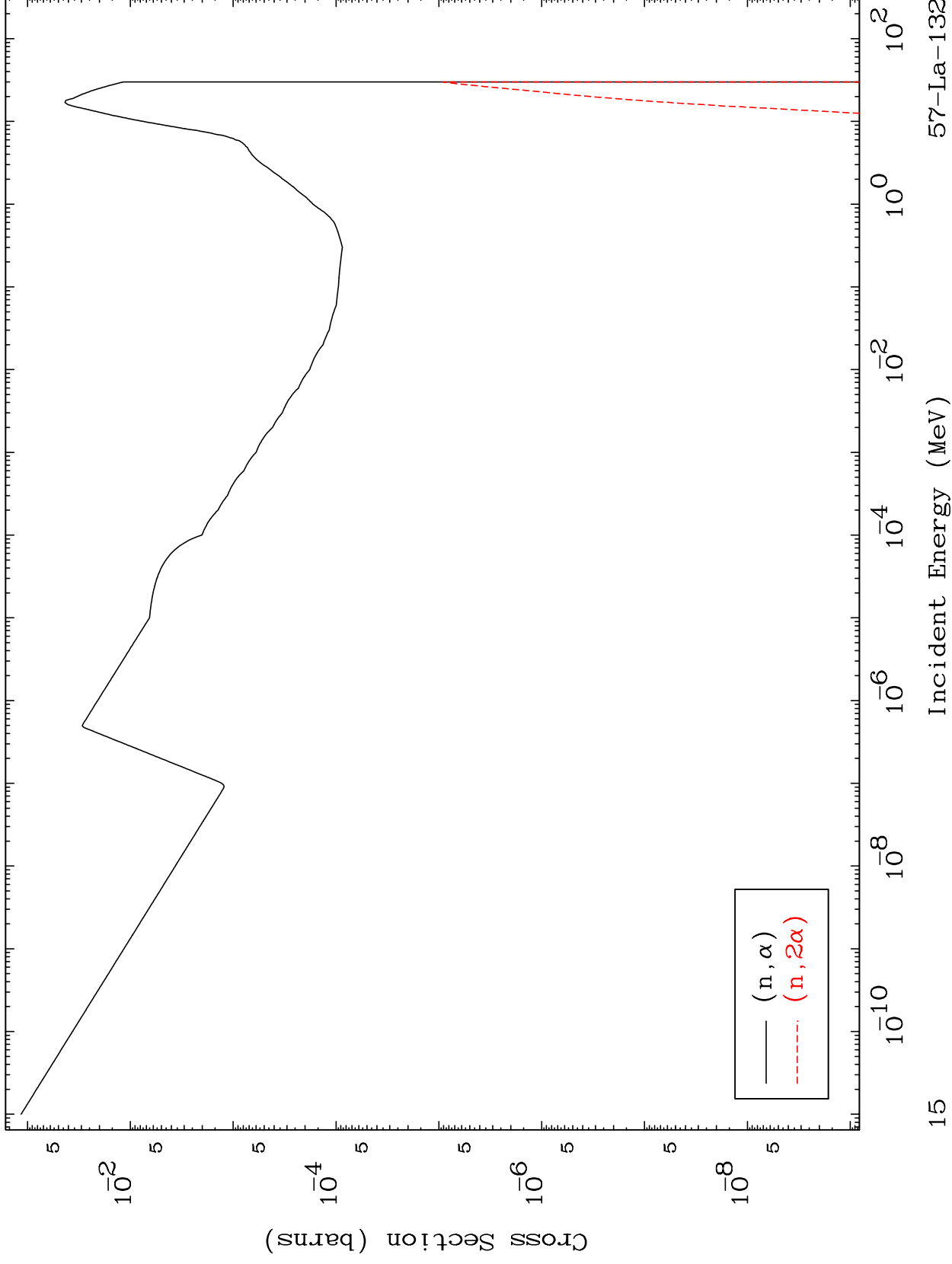
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



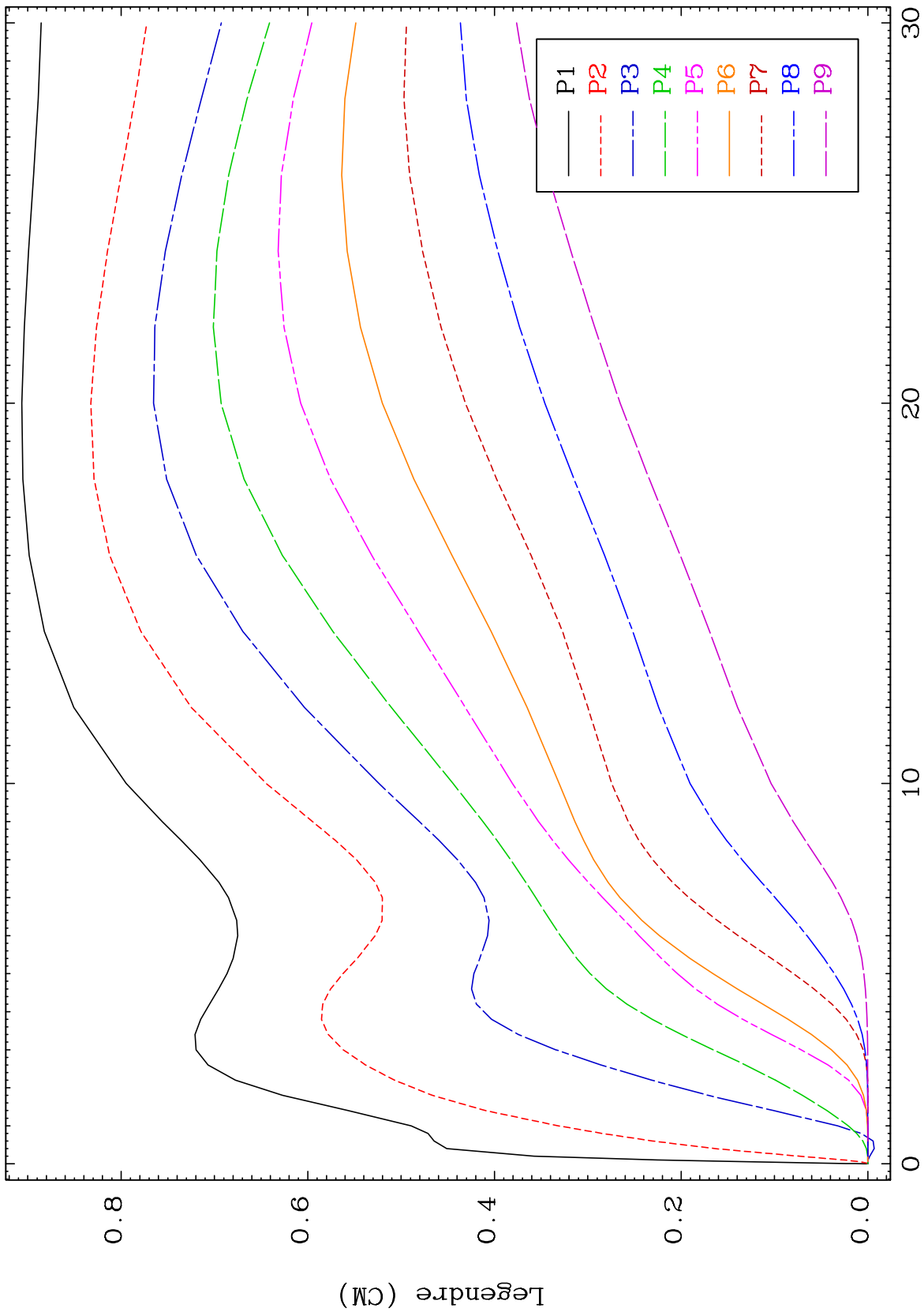
15



MAT 5707

57-La-132

Elastic Legendre Coefficients



16

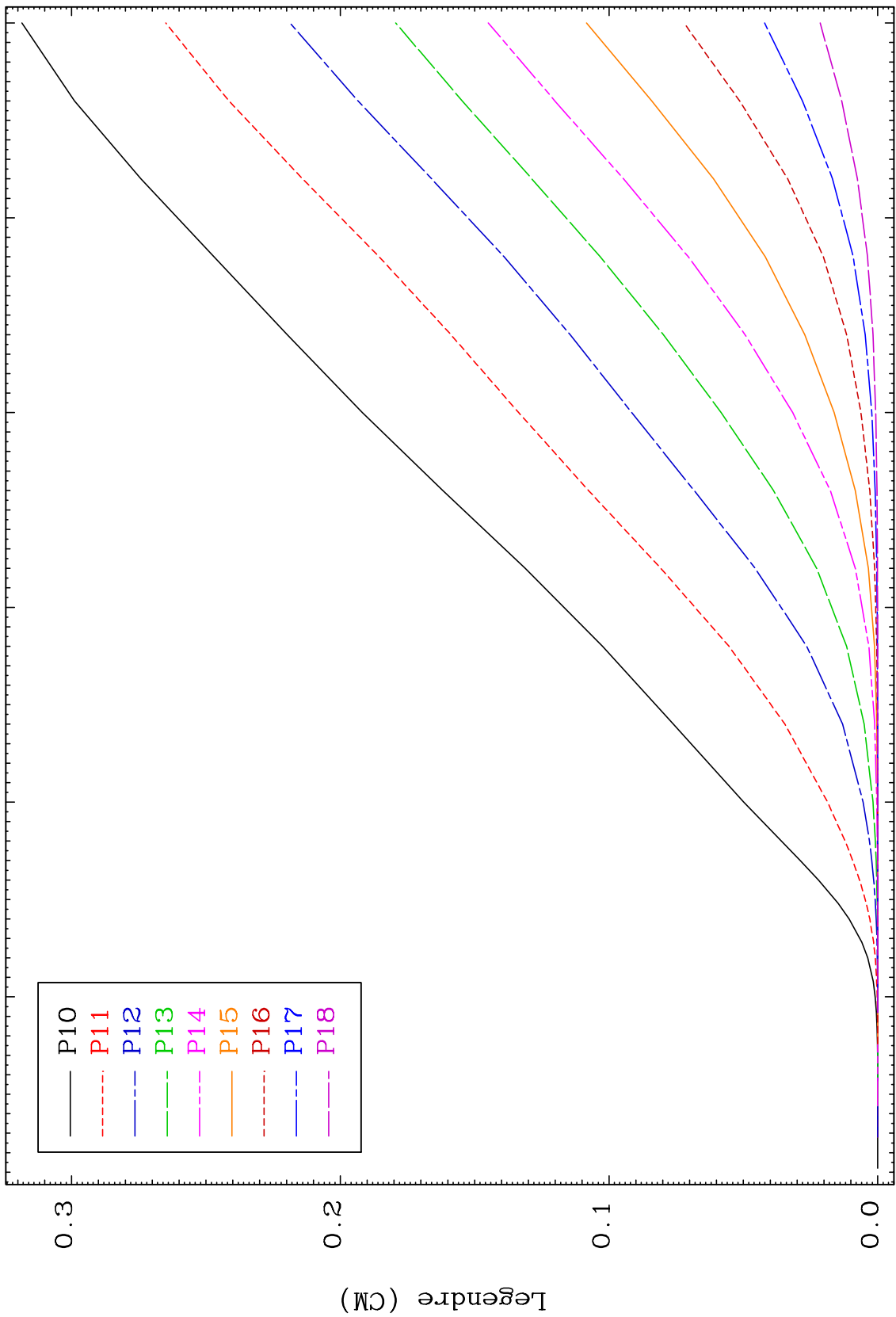
Incident Energy (MeV)

57-La-132

MAT 5707

Elastic Legendre Coefficients

57-La-132



17

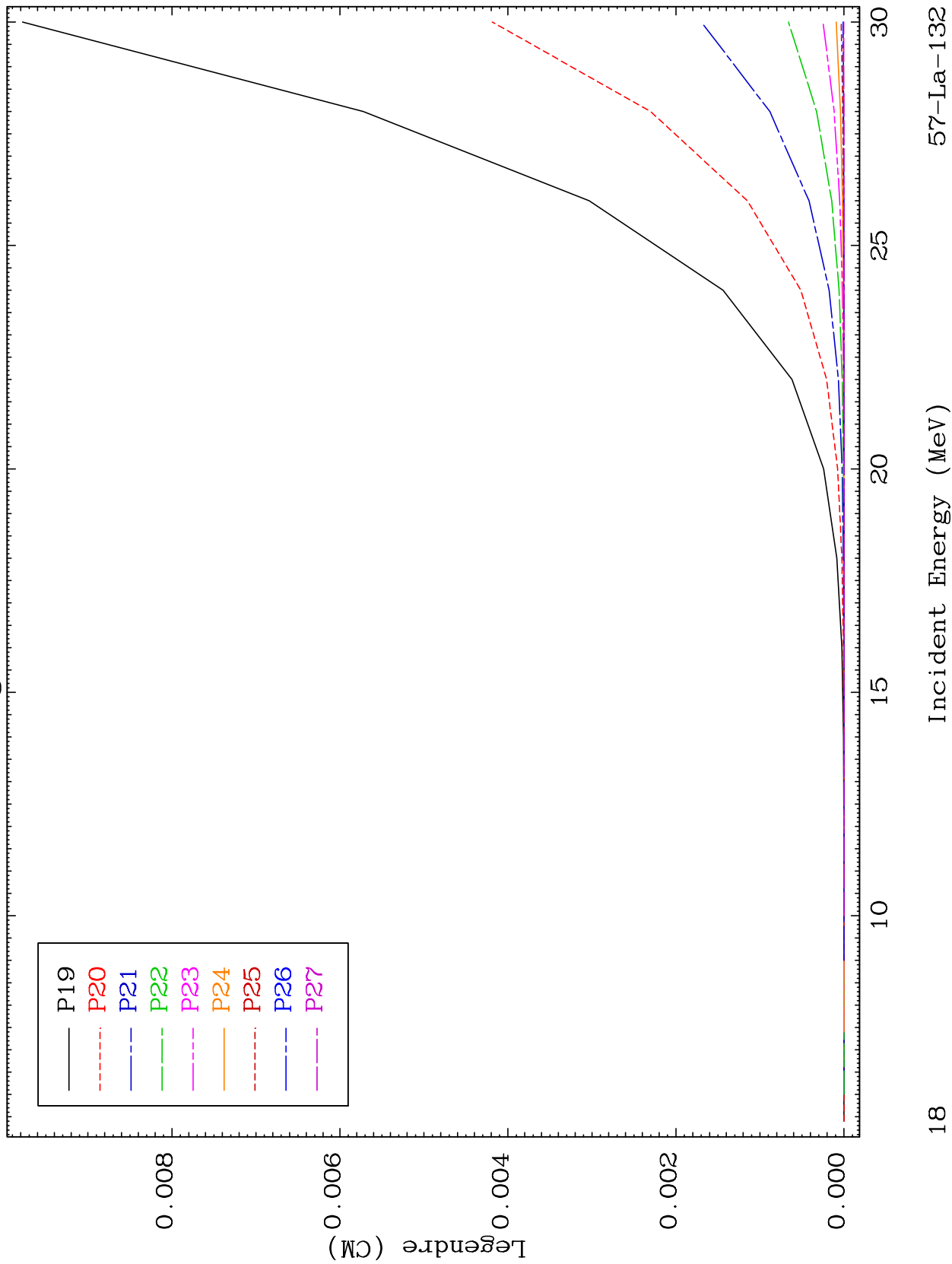
Incident Energy (MeV)

57-La-132

MAT 5707

### Elastic Legendre Coefficients

57-La-132



18

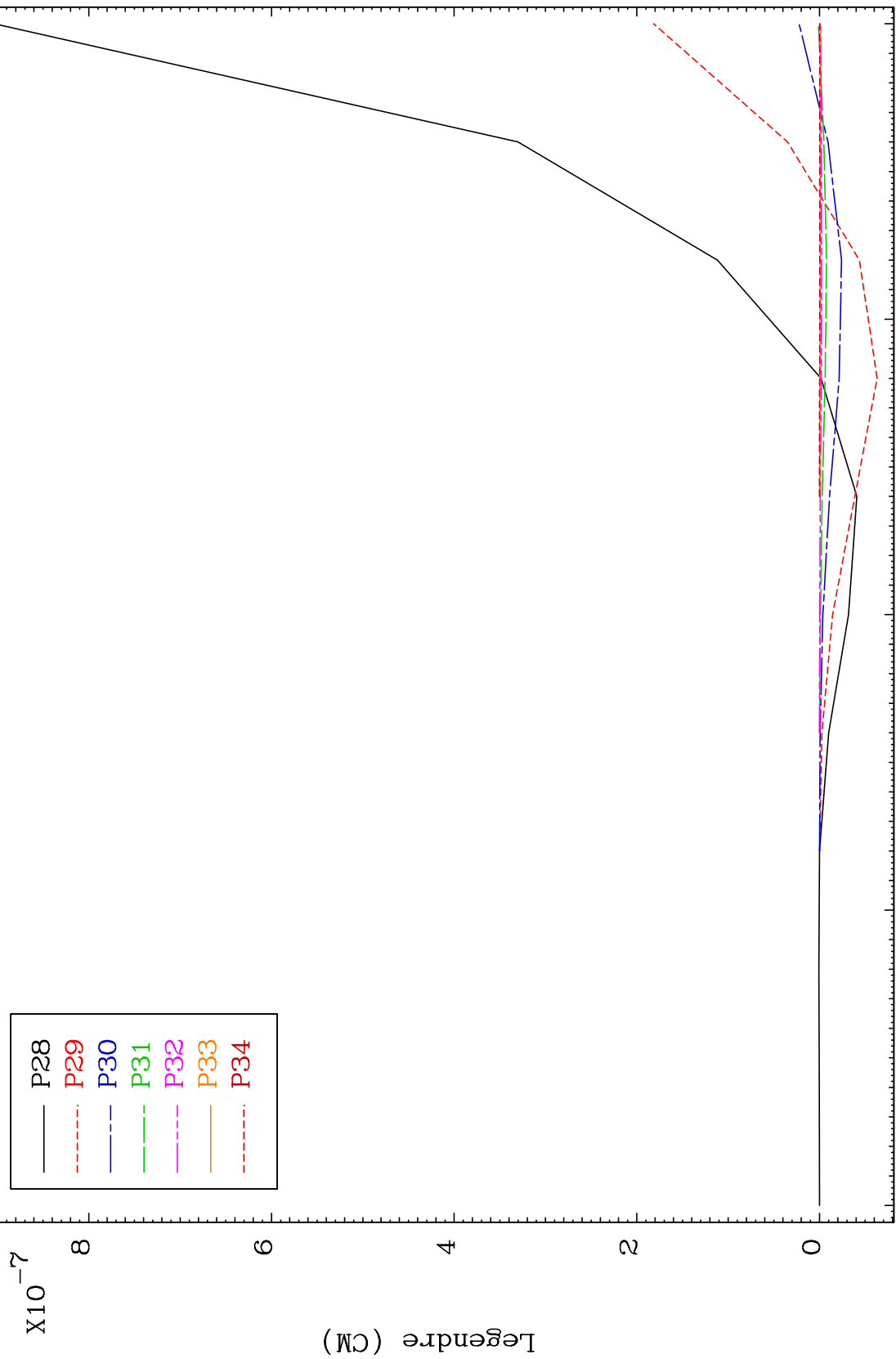
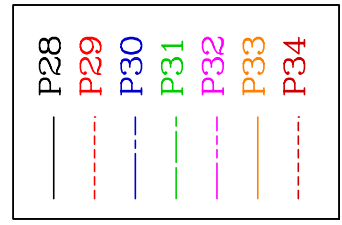
Incident Energy (MeV)

57-La-132

MAT 5707

Elastic Legendre Coefficients

57-La-132



19

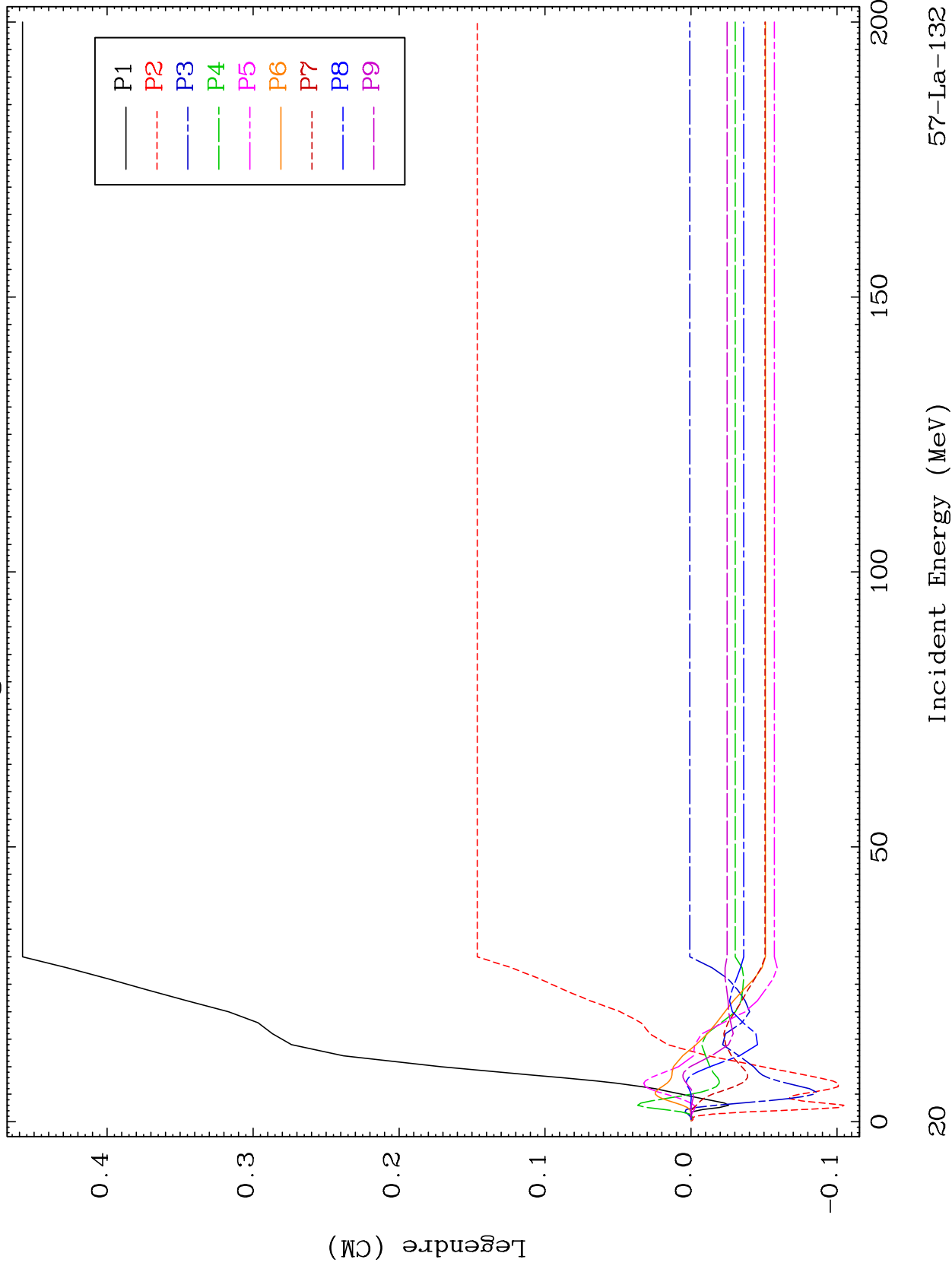
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



57-La-132

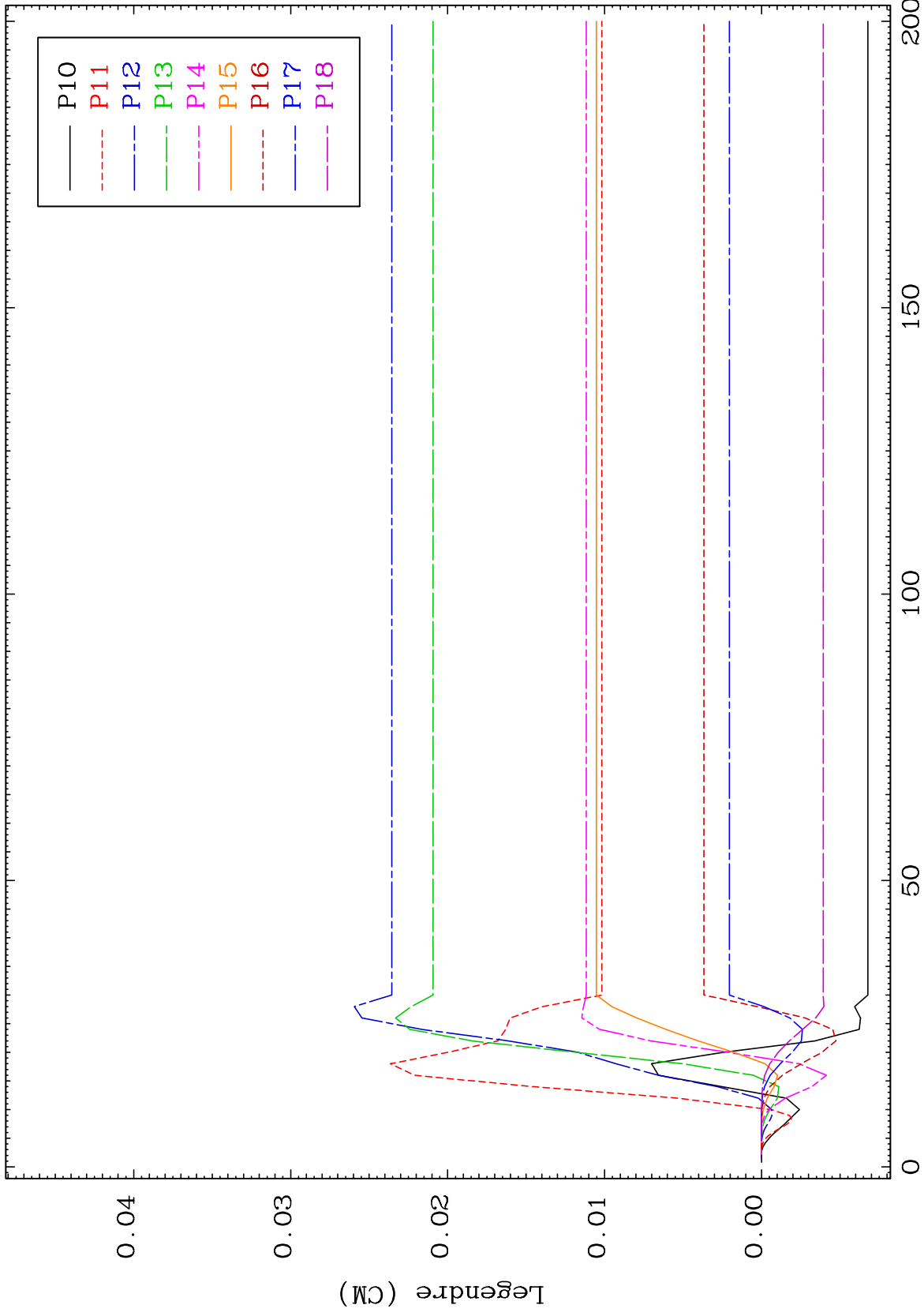
Incident Energy (MeV)

0

MAT 5707

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

57-La-132



21

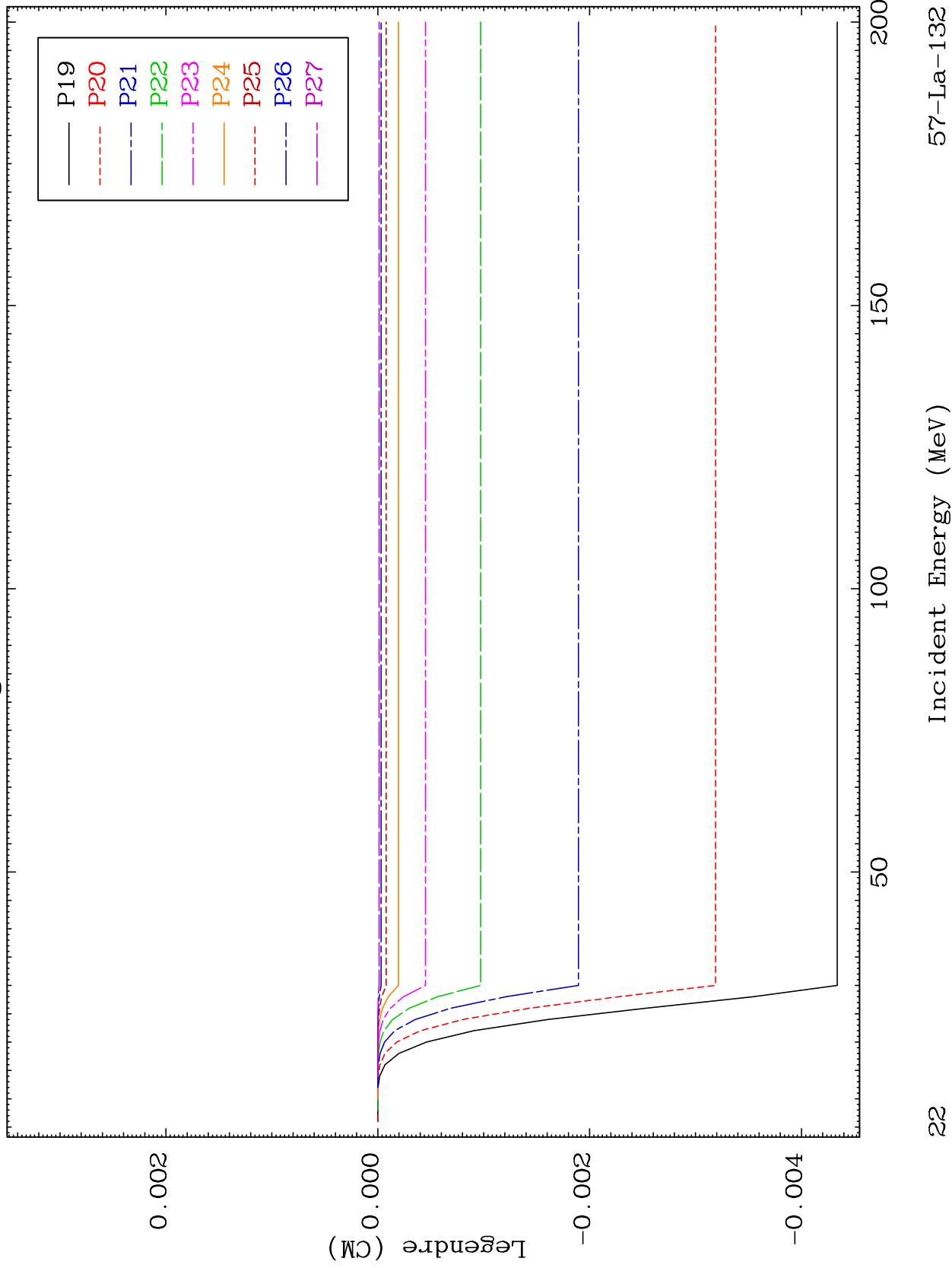
Incident Energy (MeV)

57-La-132

MAT 5707

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

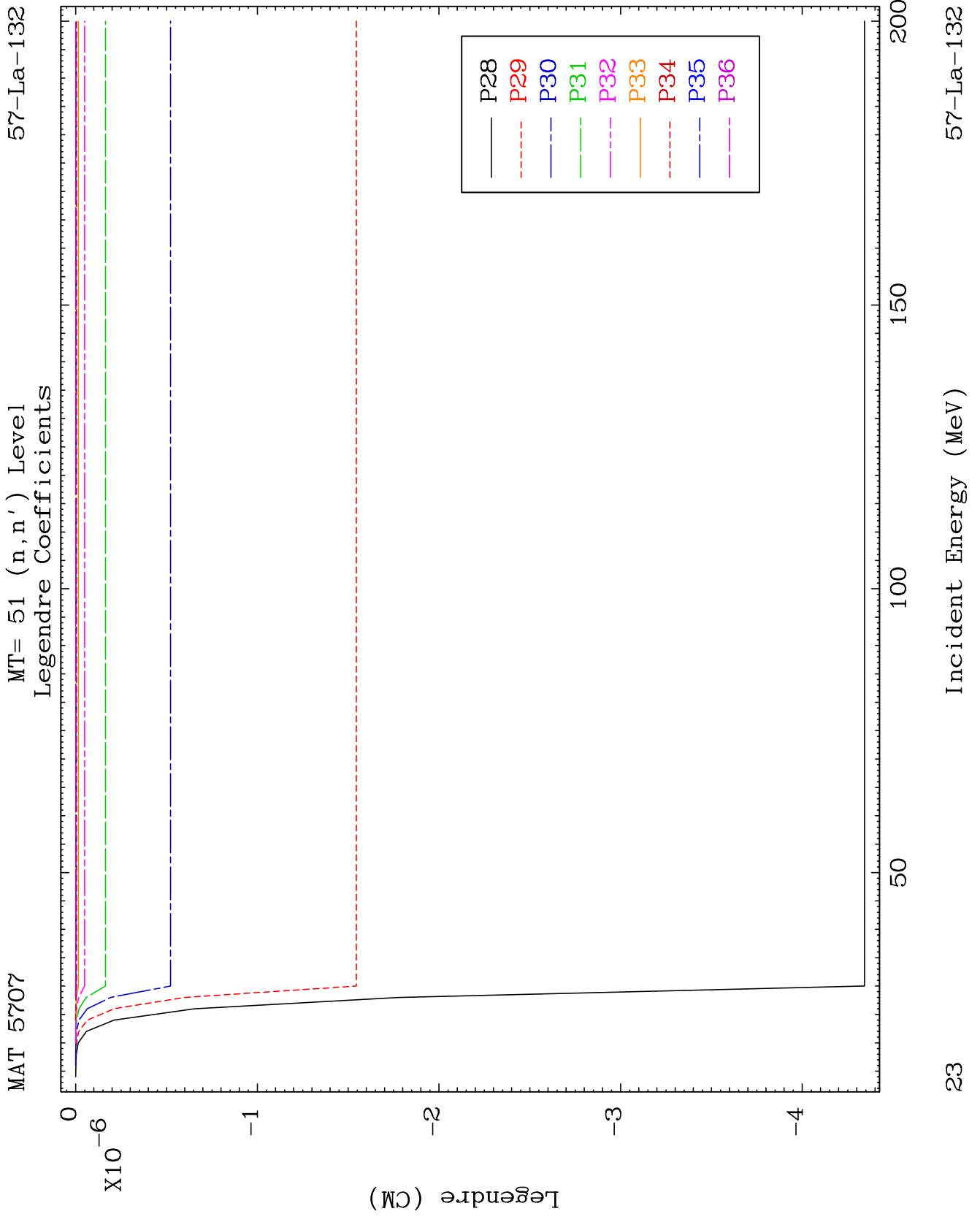
57-La-132



22

Incident Energy (MeV)

57-La-132

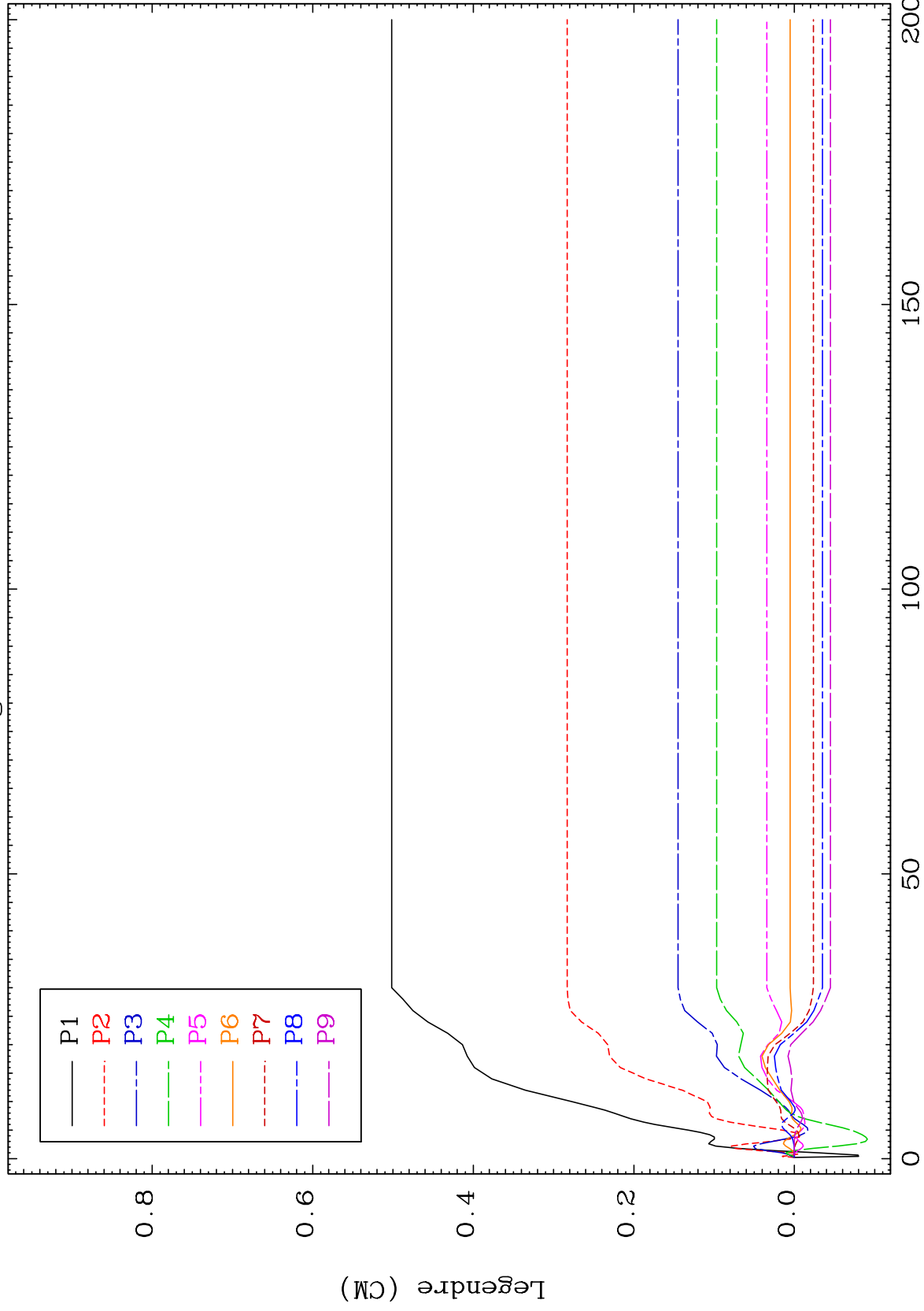




MAT 5707

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

57-La-132



57-La-132

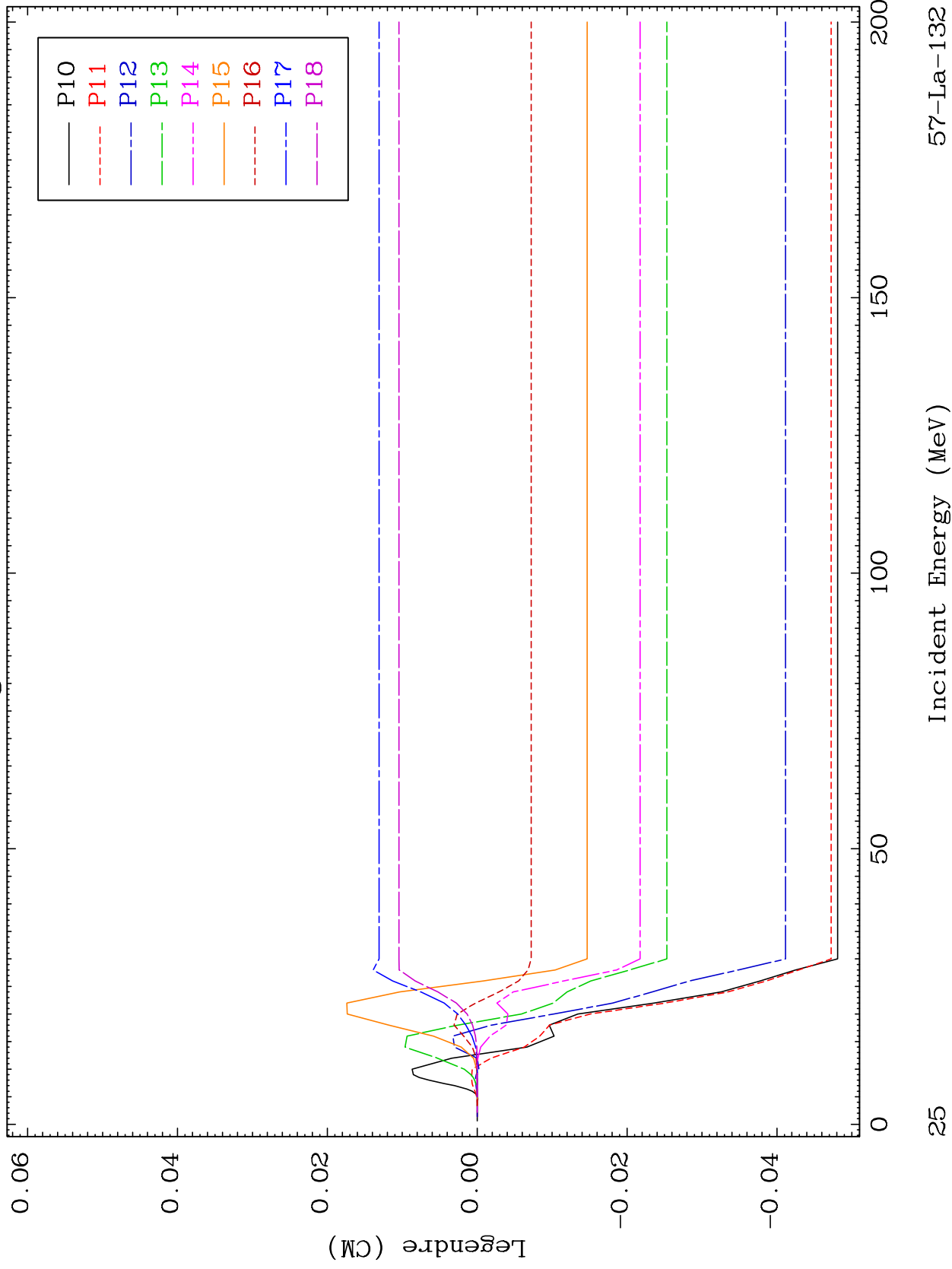
Incident Energy (MeV)

24

MAT 5707

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

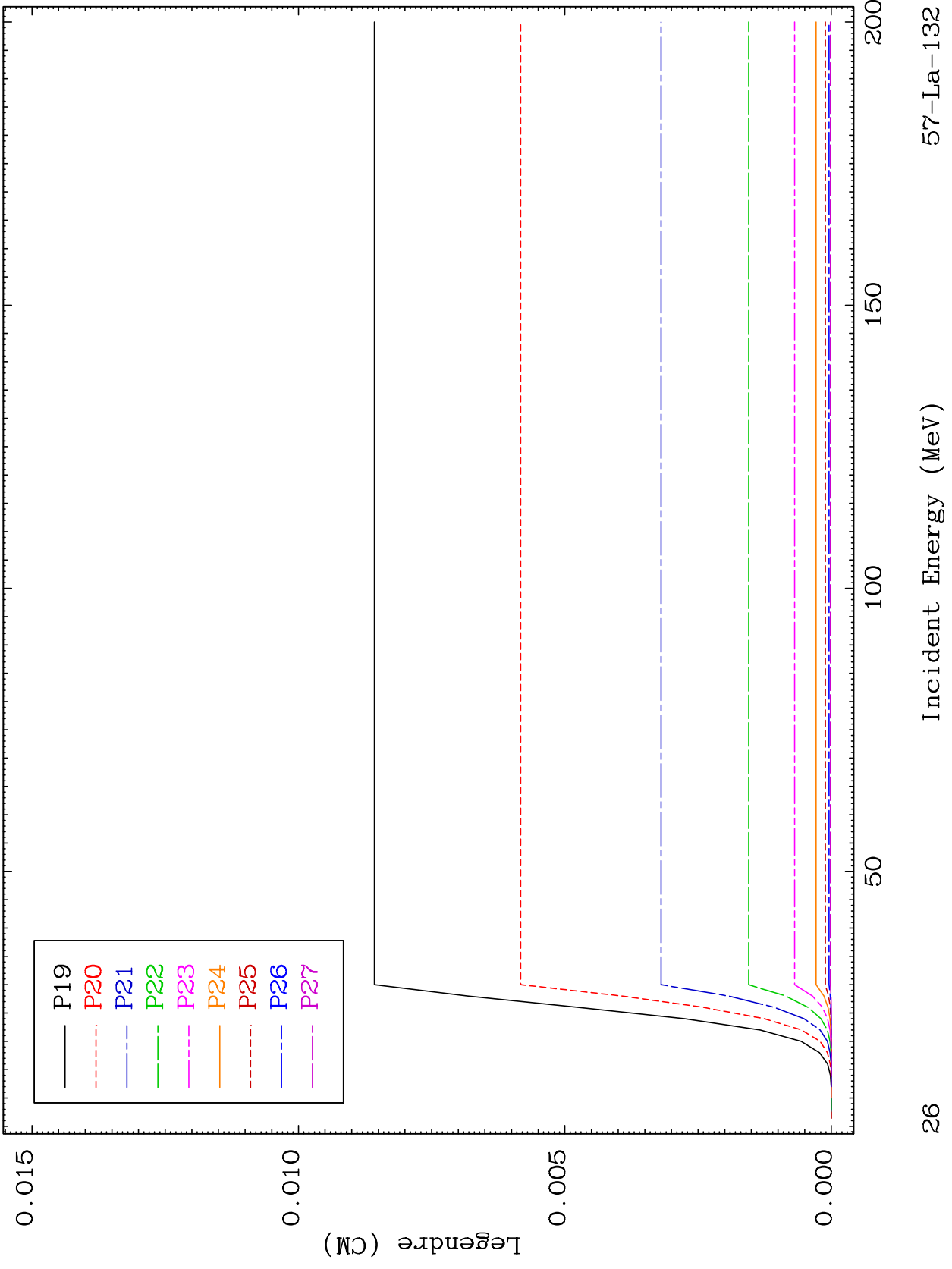
57-La-132



57-La-132

Incident Energy (MeV)

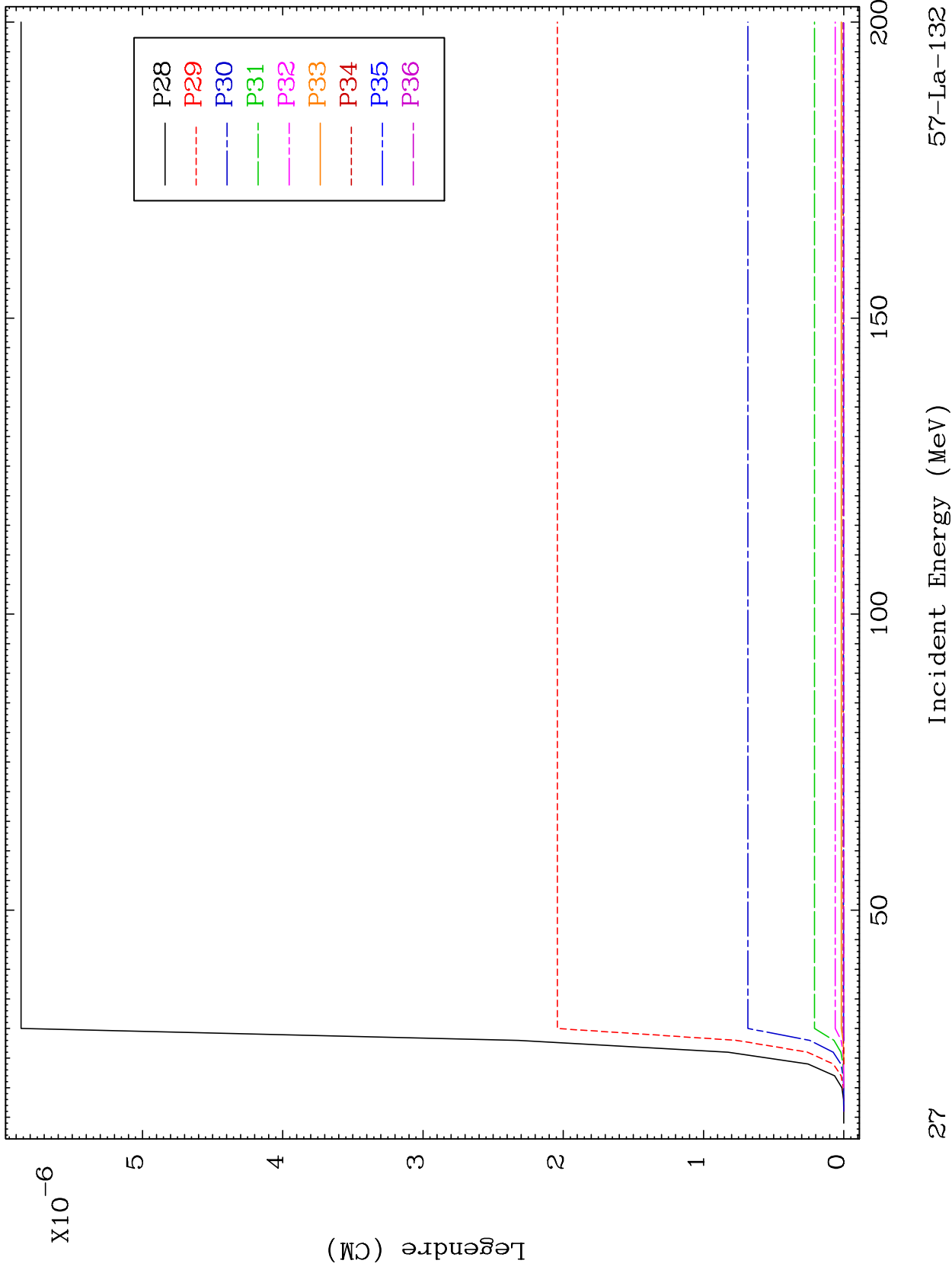
25



MAT 5707

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

57-La-132



27

Incident Energy (MeV)

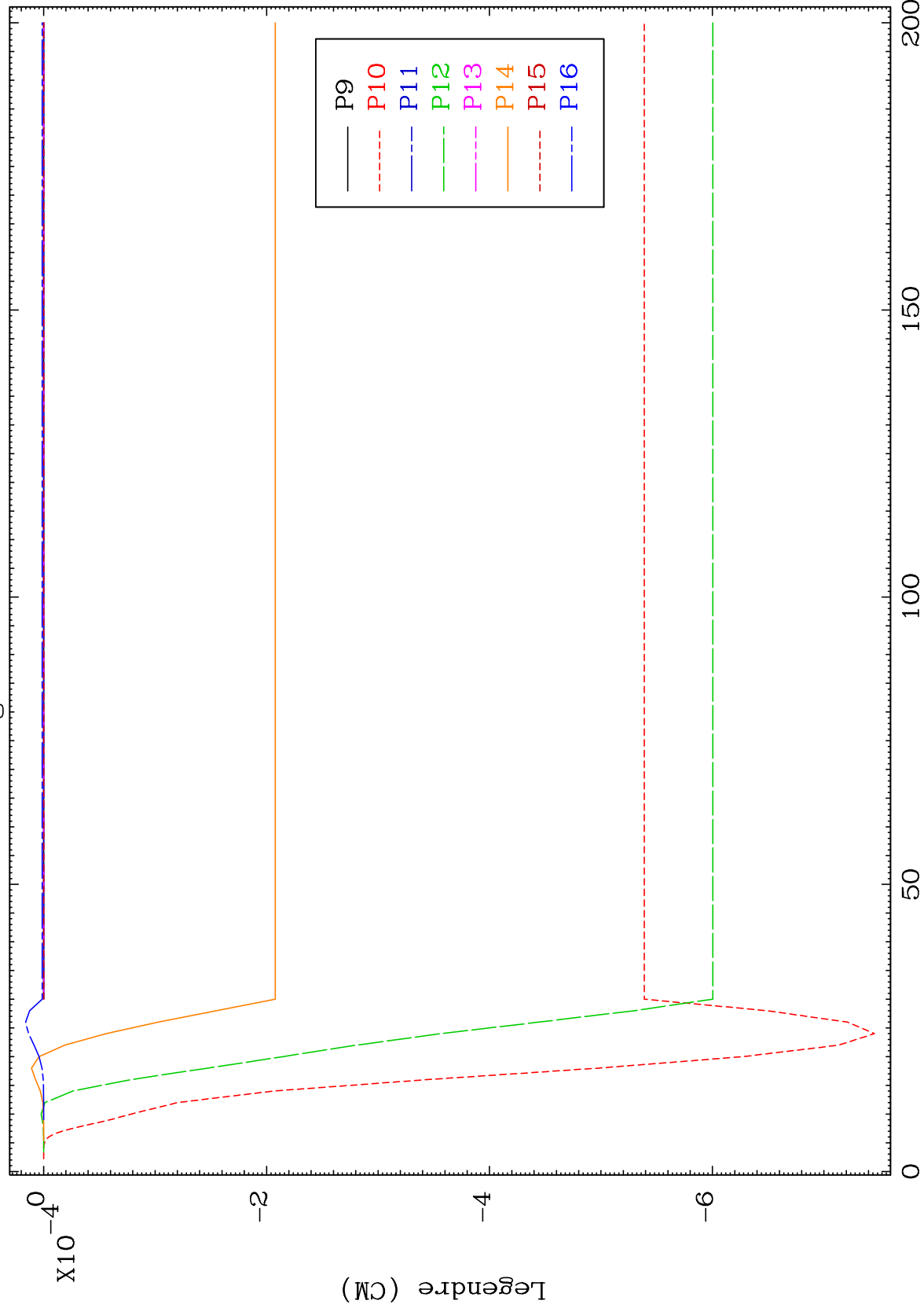
57-La-132



MAT 5707

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

57-La-132



29

Incident Energy (MeV)

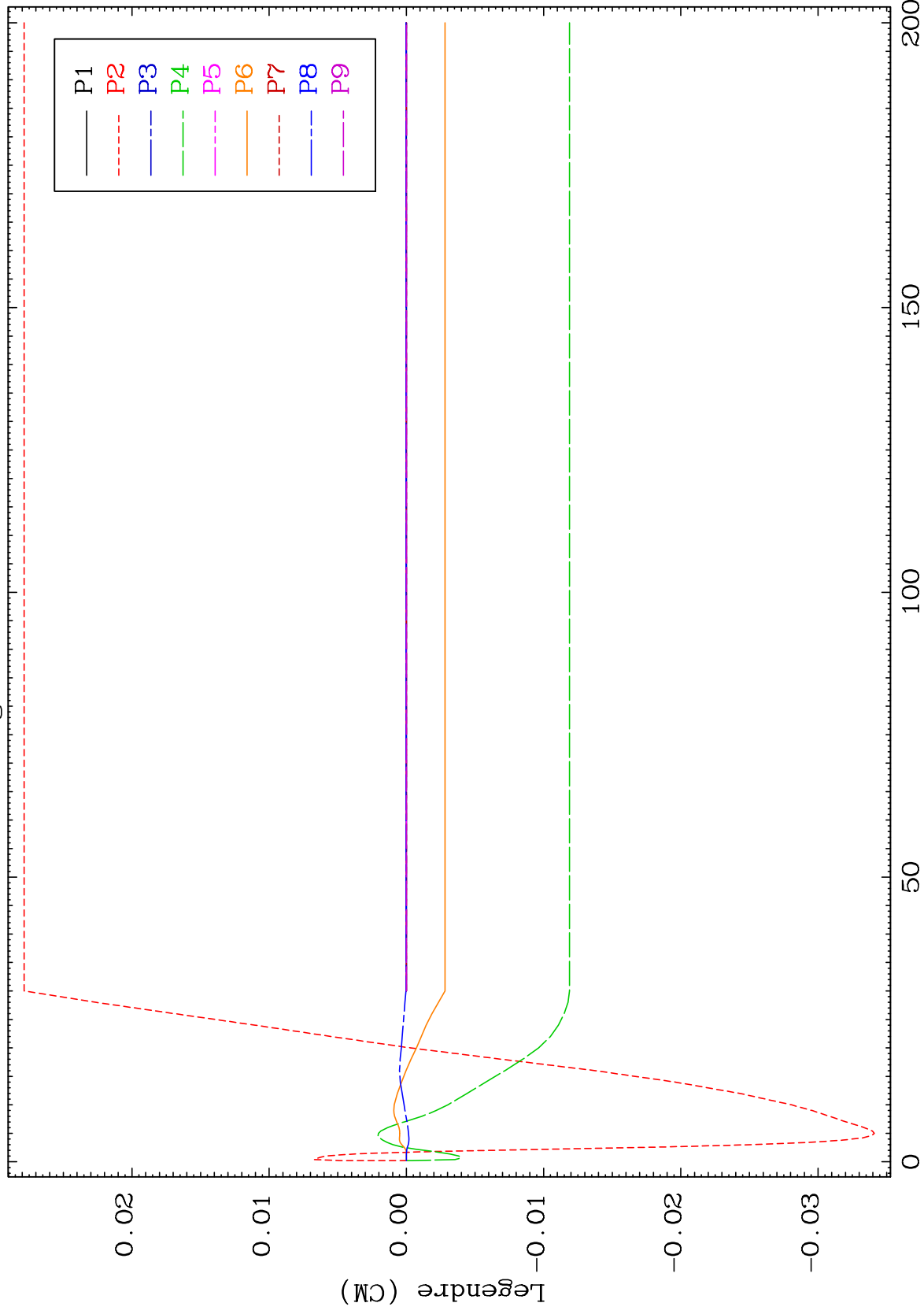
57-La-132



MAT 5707

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

57-La-132



31

Incident Energy (MeV)

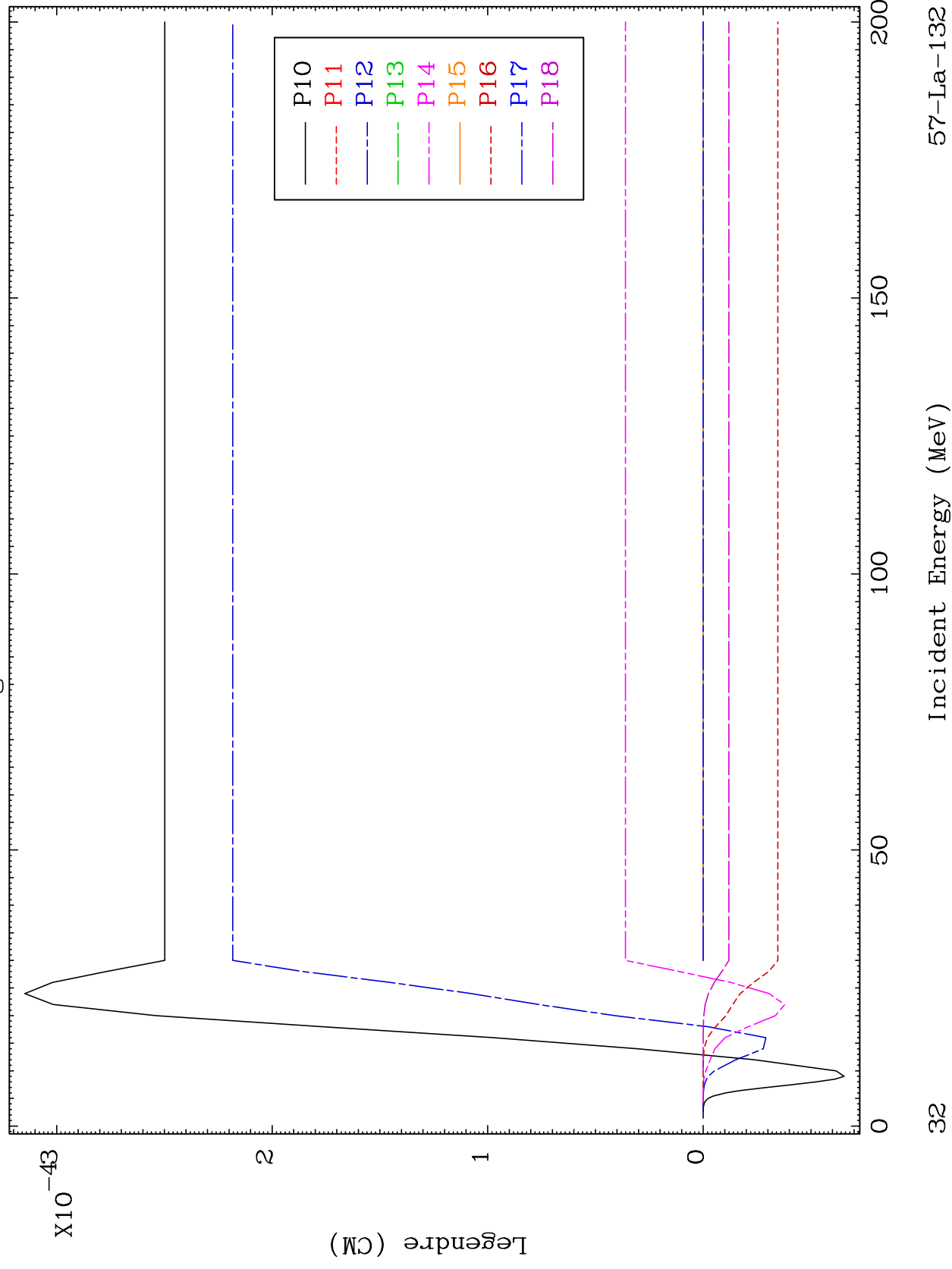
57-La-132



MAT 5707

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

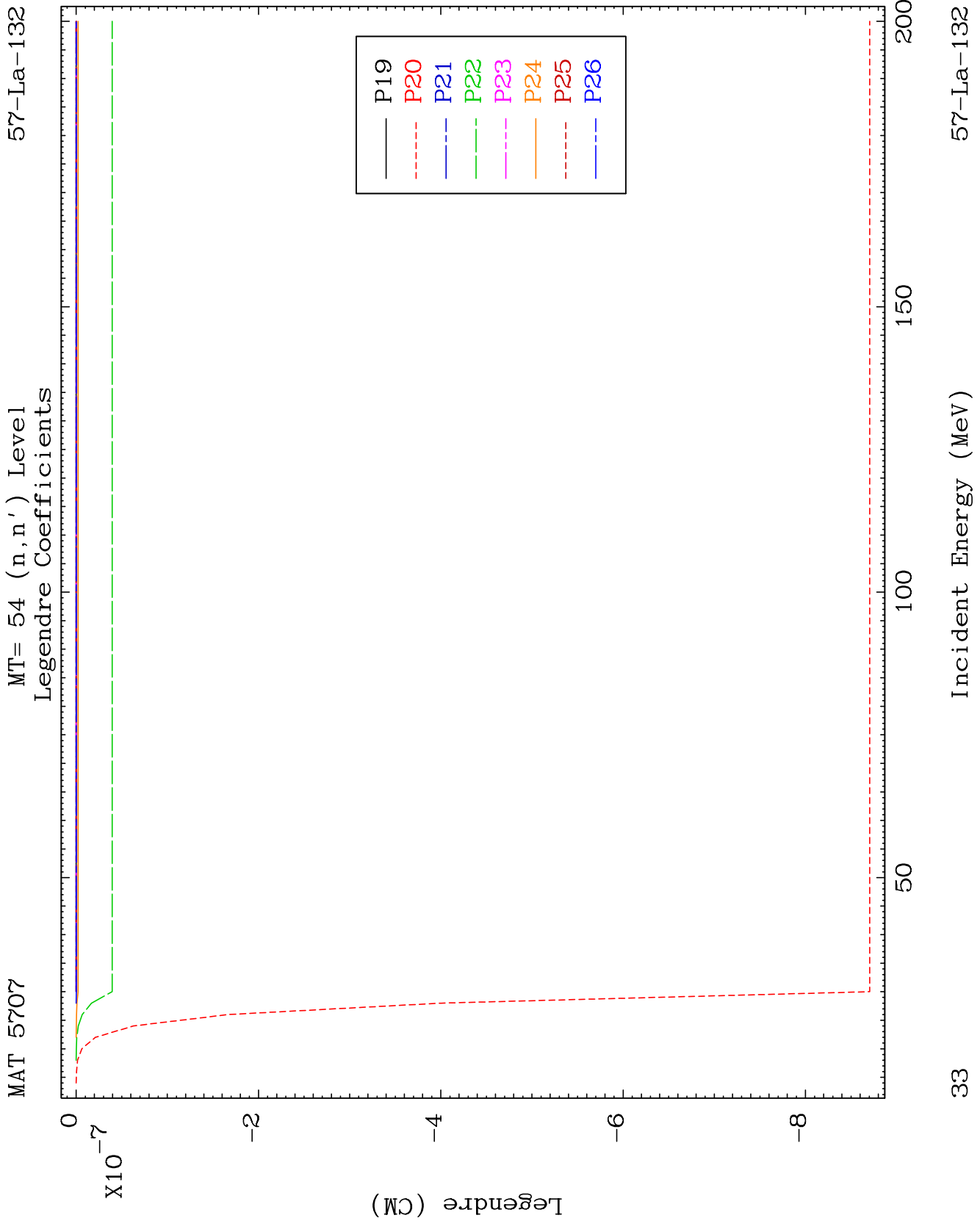
57-La-132



57-La-132

Incident Energy (MeV)

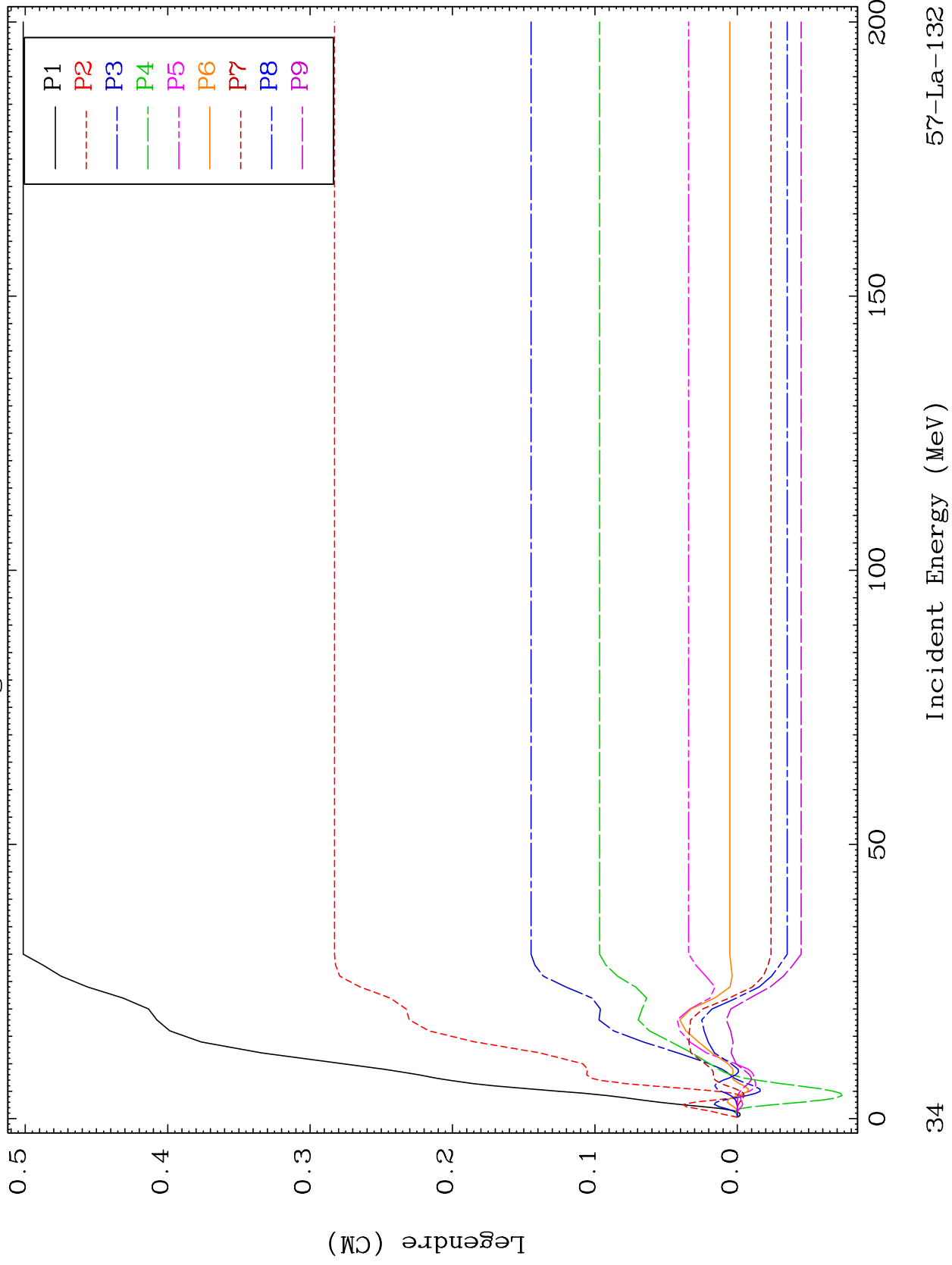
32



MAT 5707

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

57-La-132

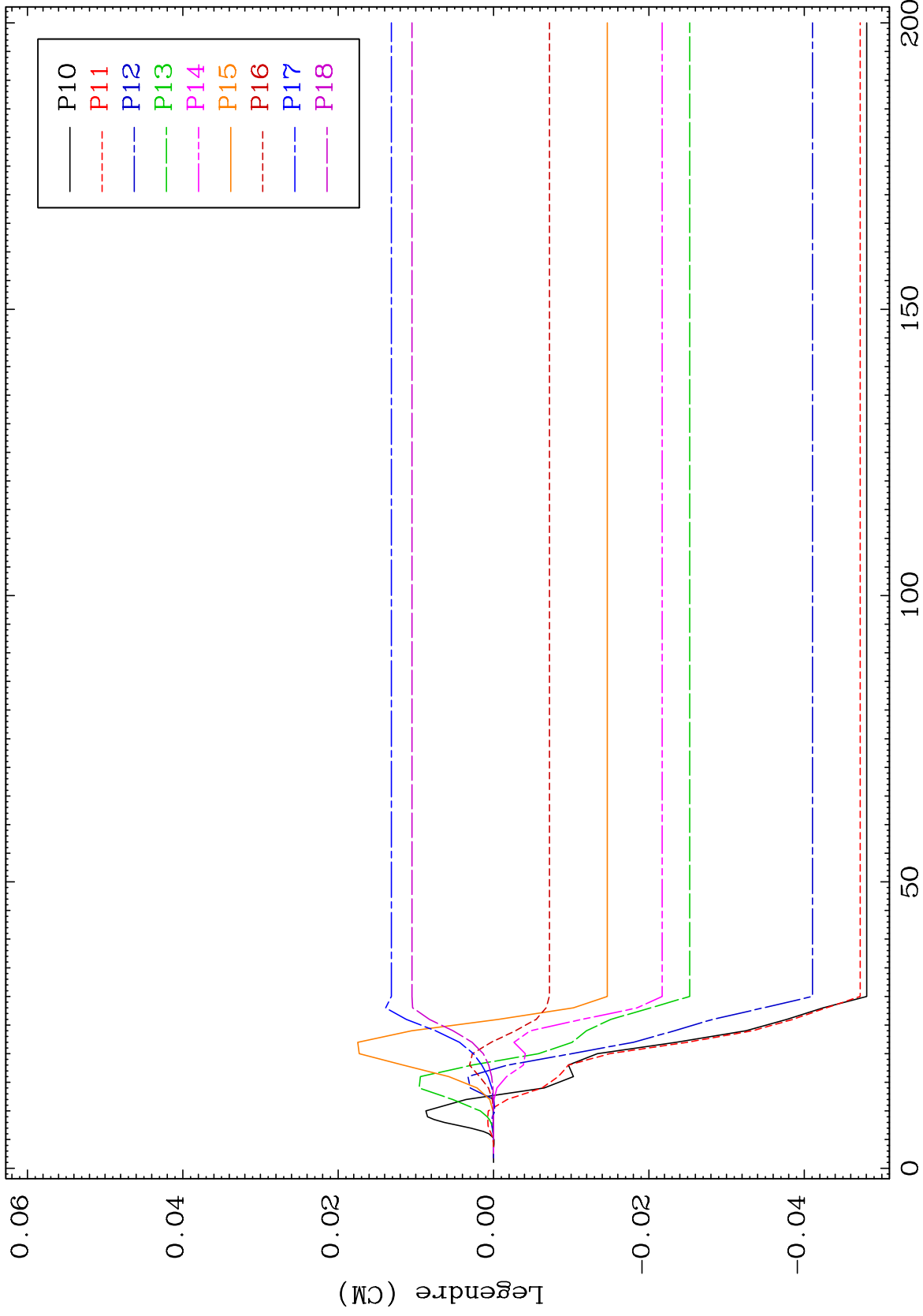


34

MAT 5707

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

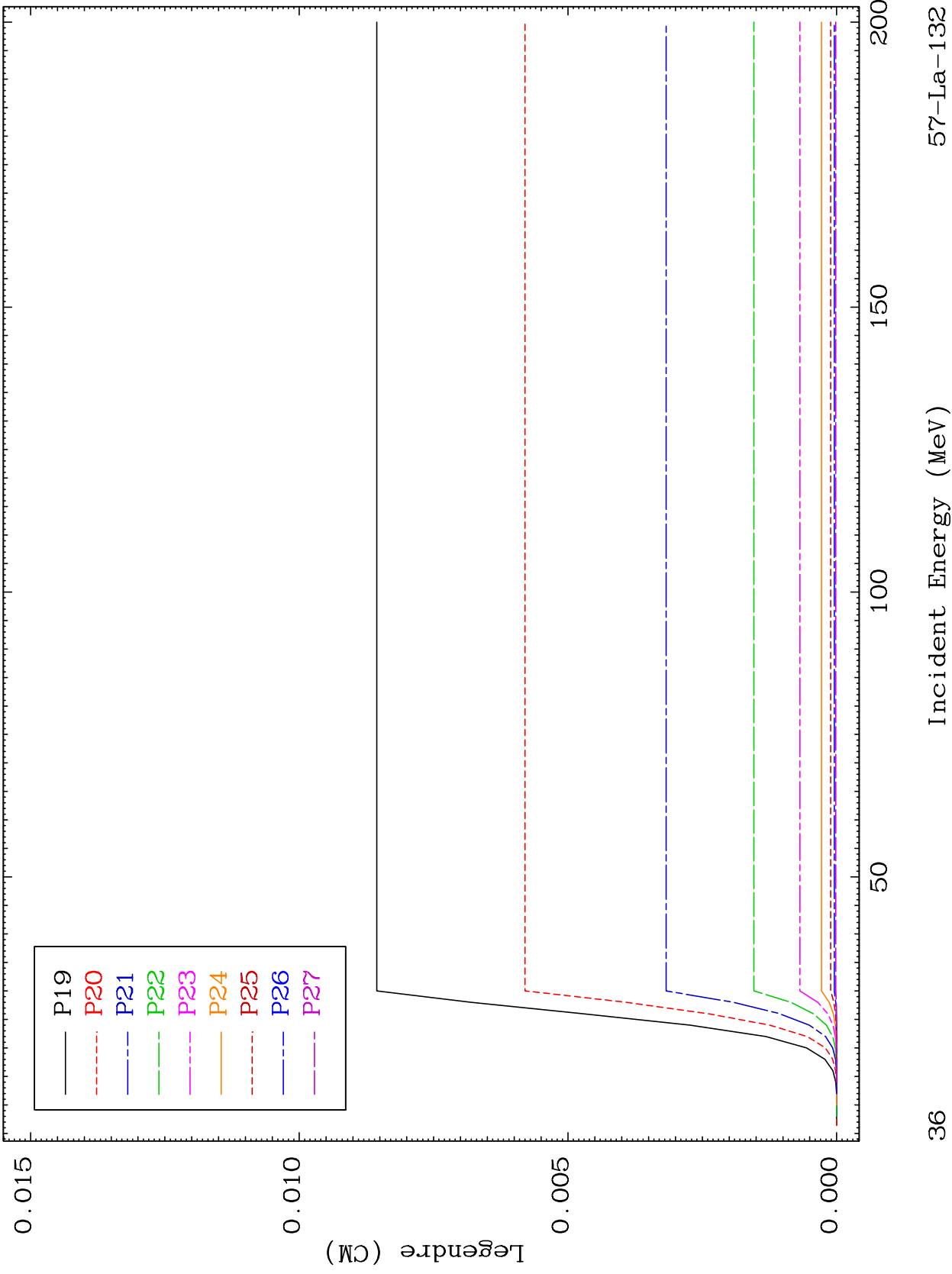
57-La-132



35

Incident Energy (MeV)

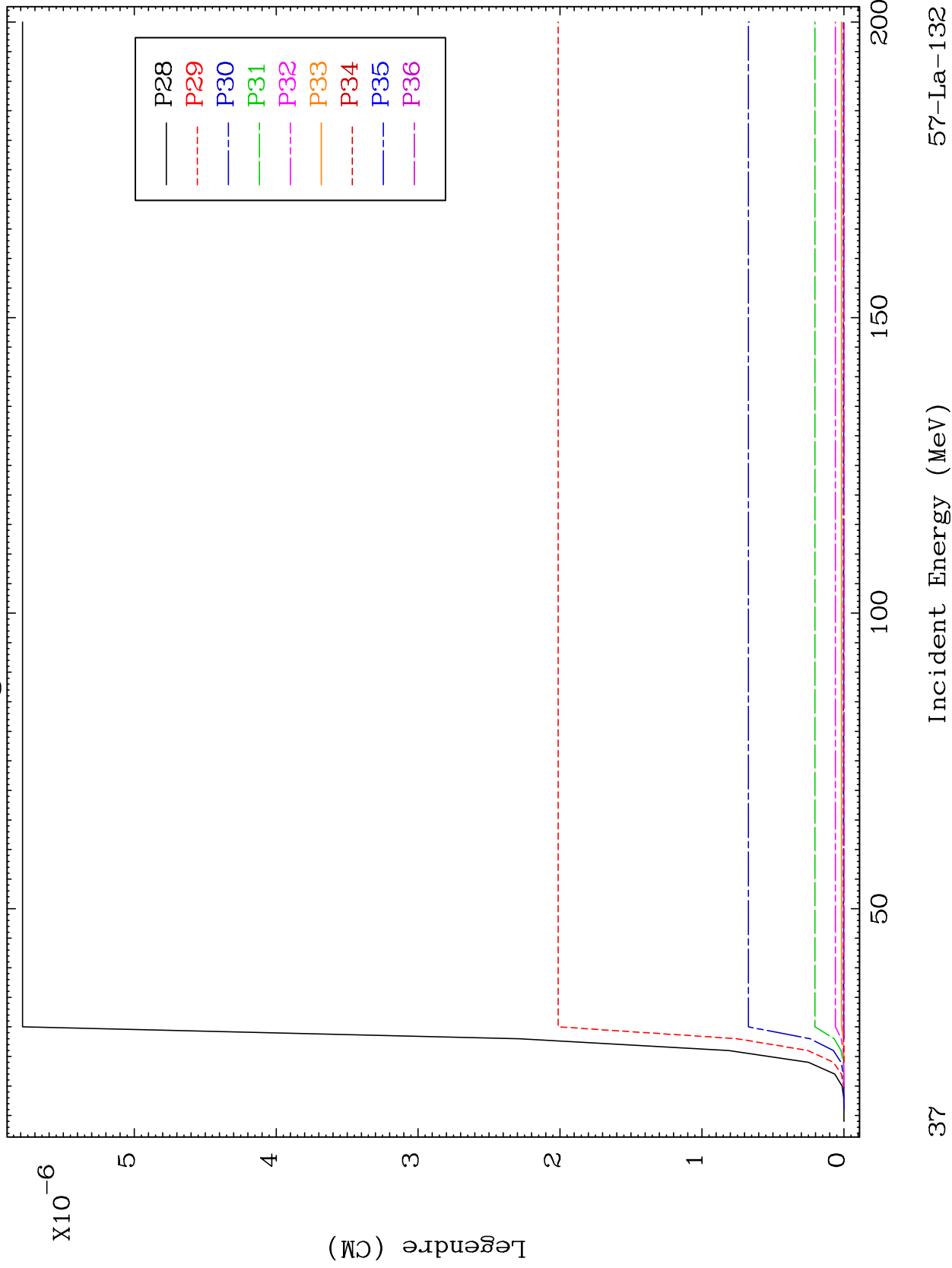
57-La-132



MAT 5707

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

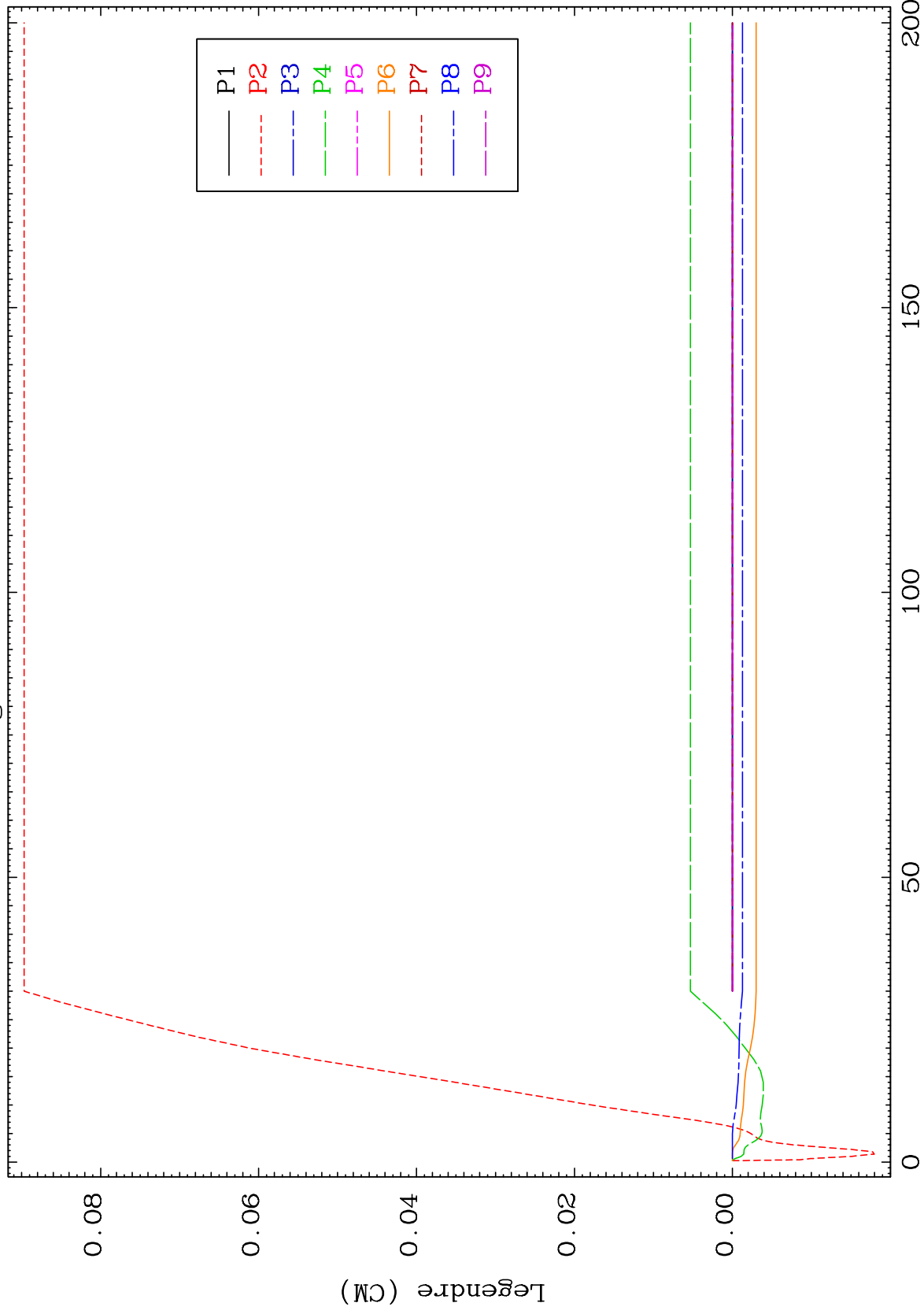
57-La-132



MAT 5707

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

57-La-132



57-La-132

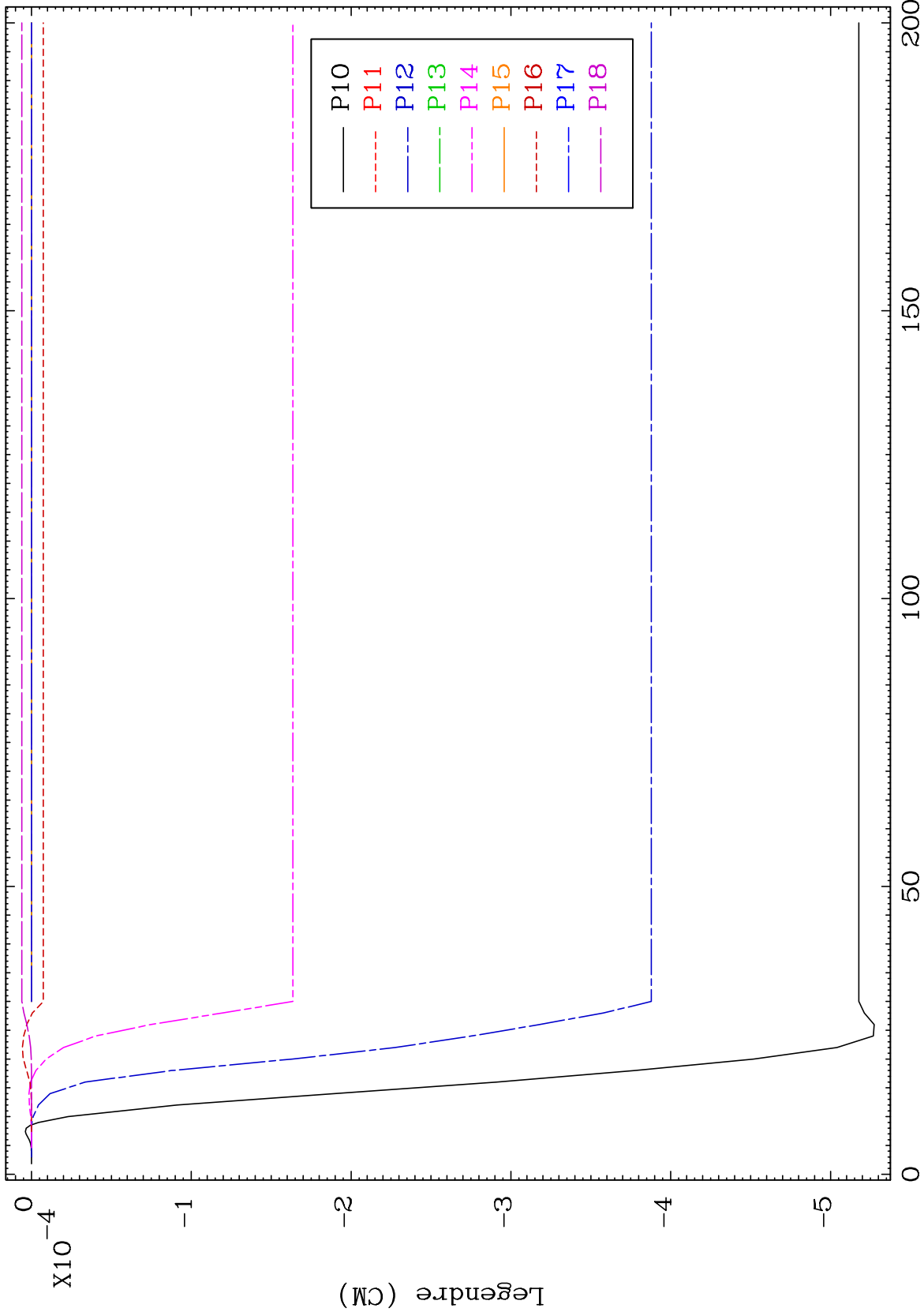
Incident Energy (MeV)

38

MAT 5707

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

57-La-132



39

Incident Energy (MeV)

57-La-132



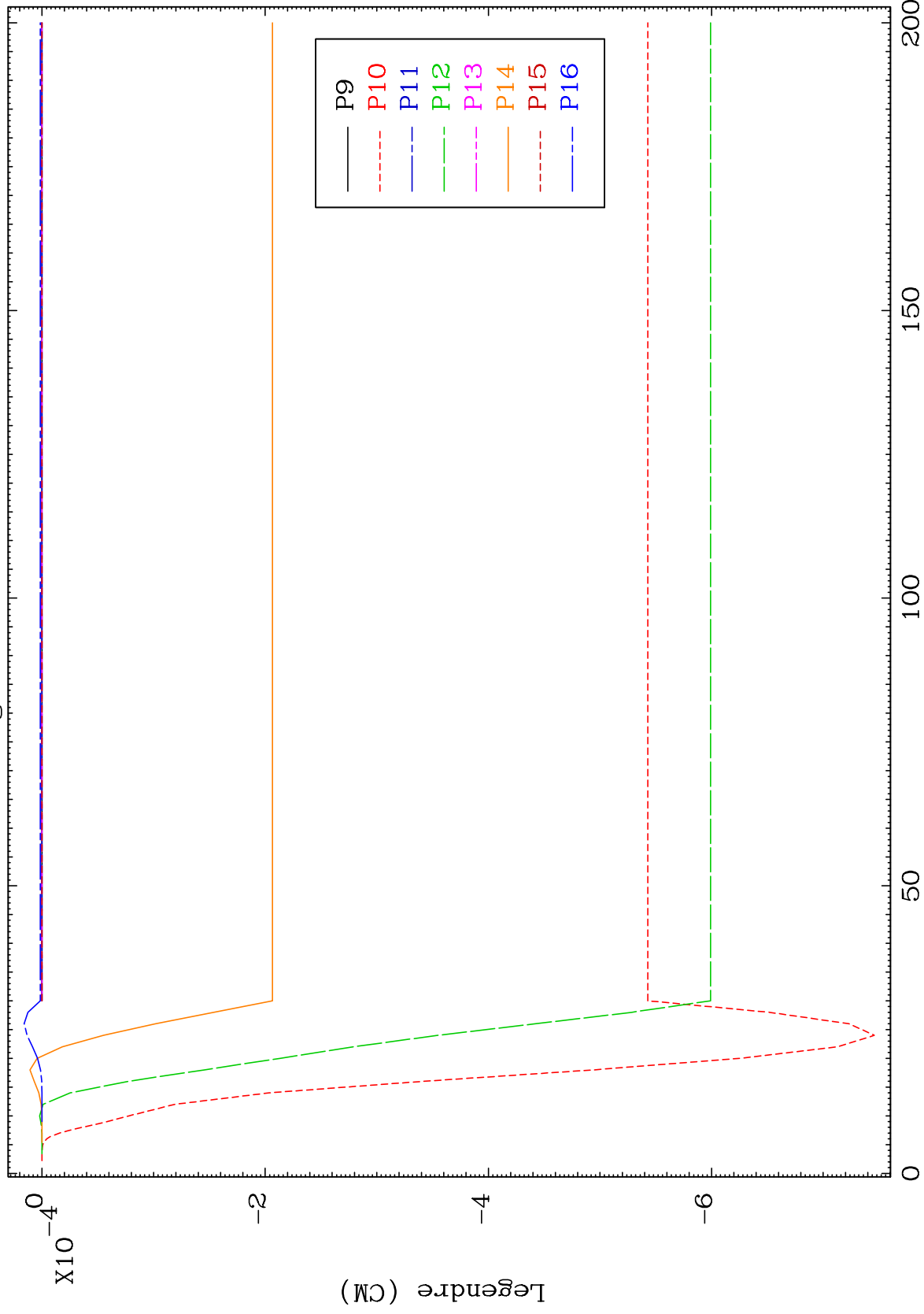




MAT 5707

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

57-La-132



42

Incident Energy (MeV)

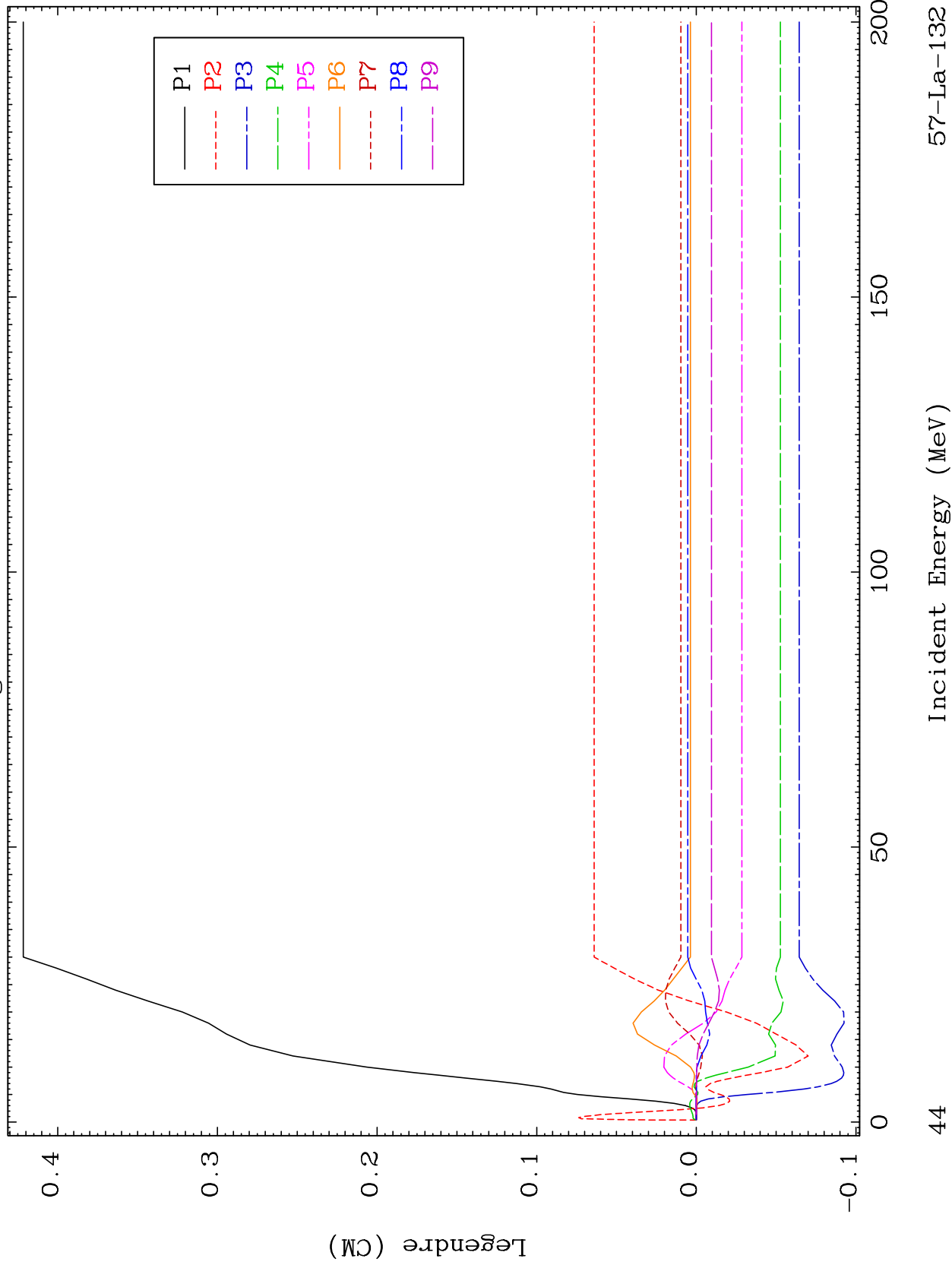
57-La-132



MAT 5707

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

57-La-132



57-La-132

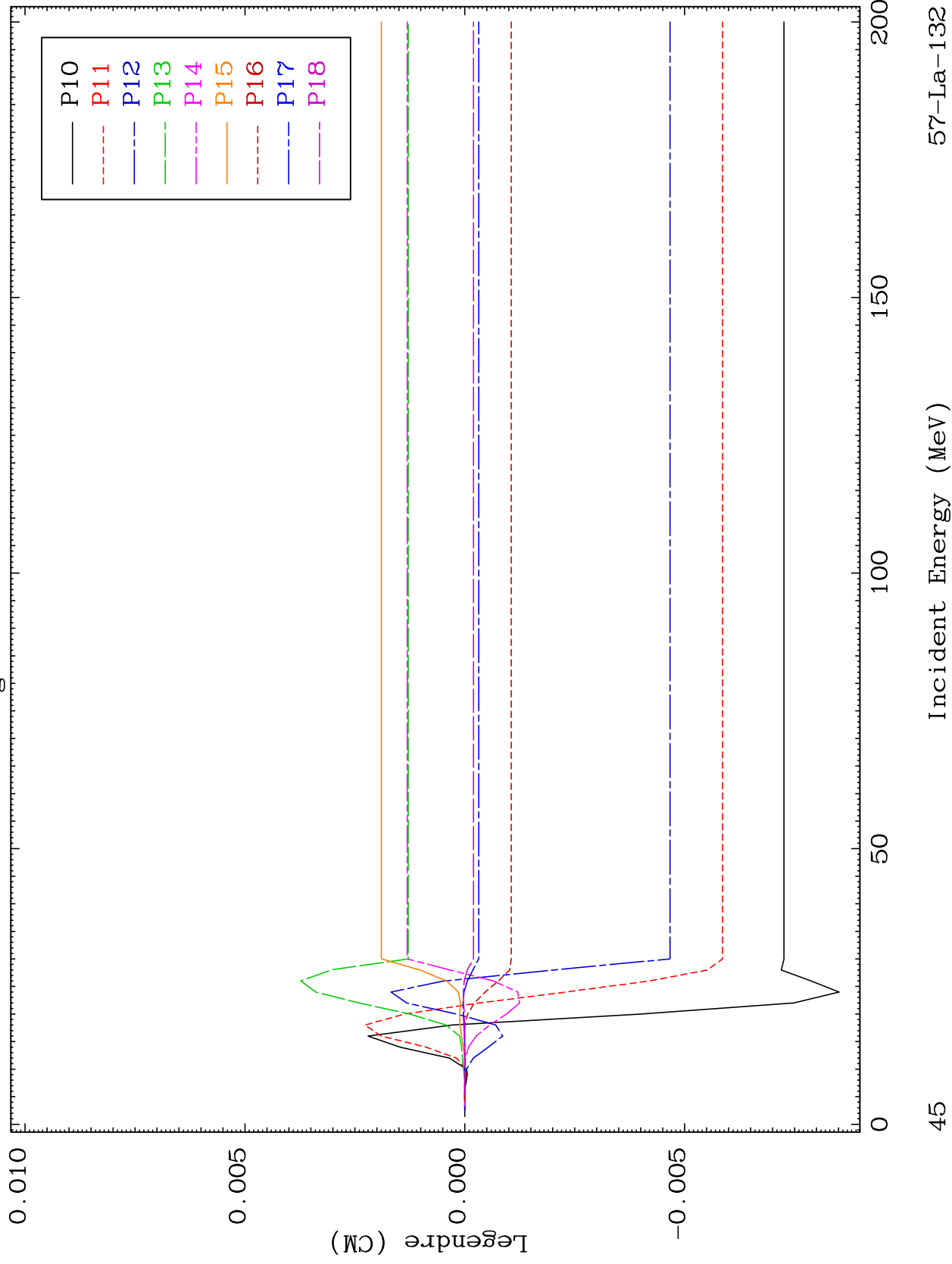
Incident Energy (MeV)

44

MAT 5707

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

57-La-132



57-La-132

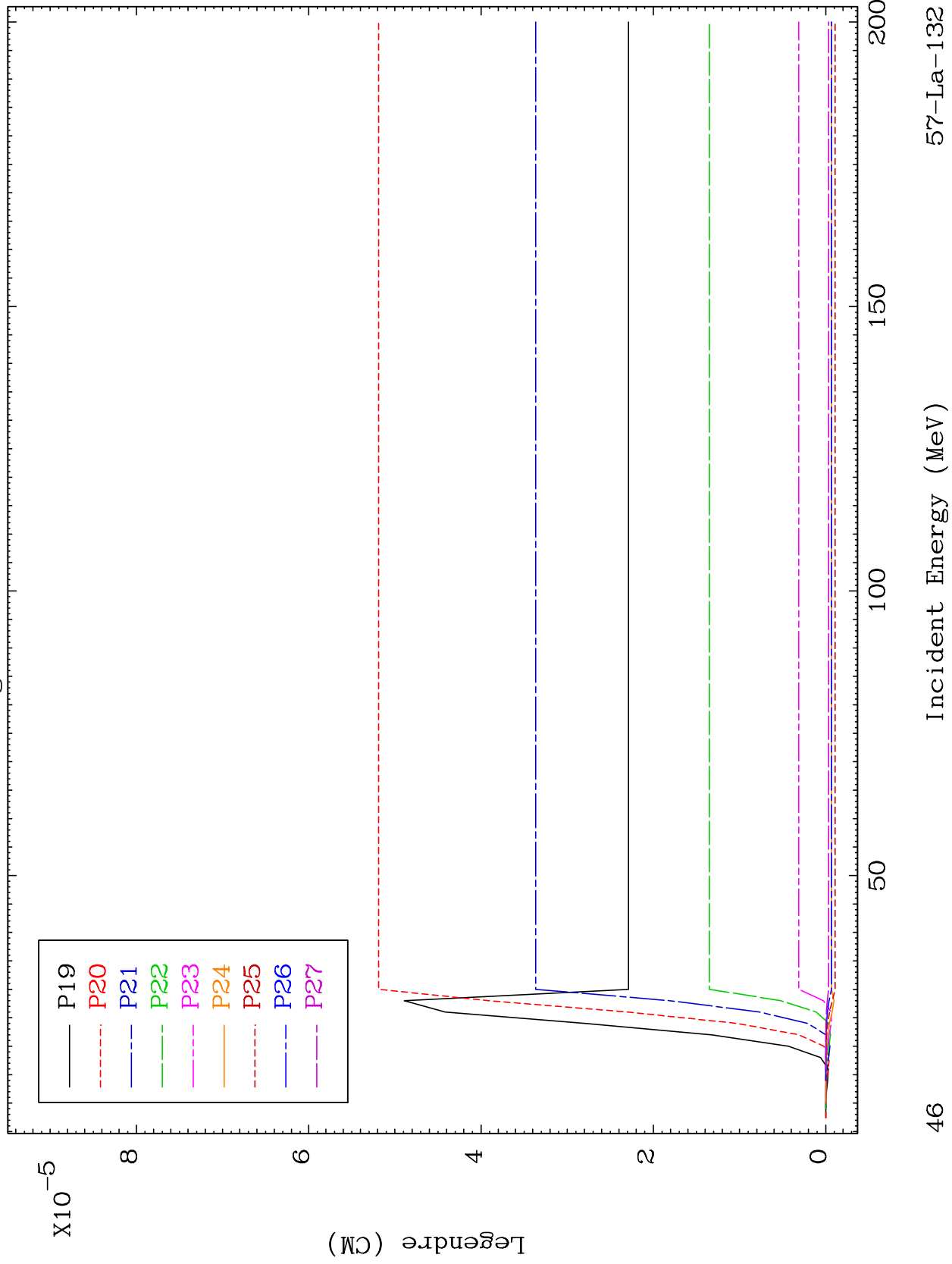
Incident Energy (MeV)

45

MAT 5707

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

57-La-132



46

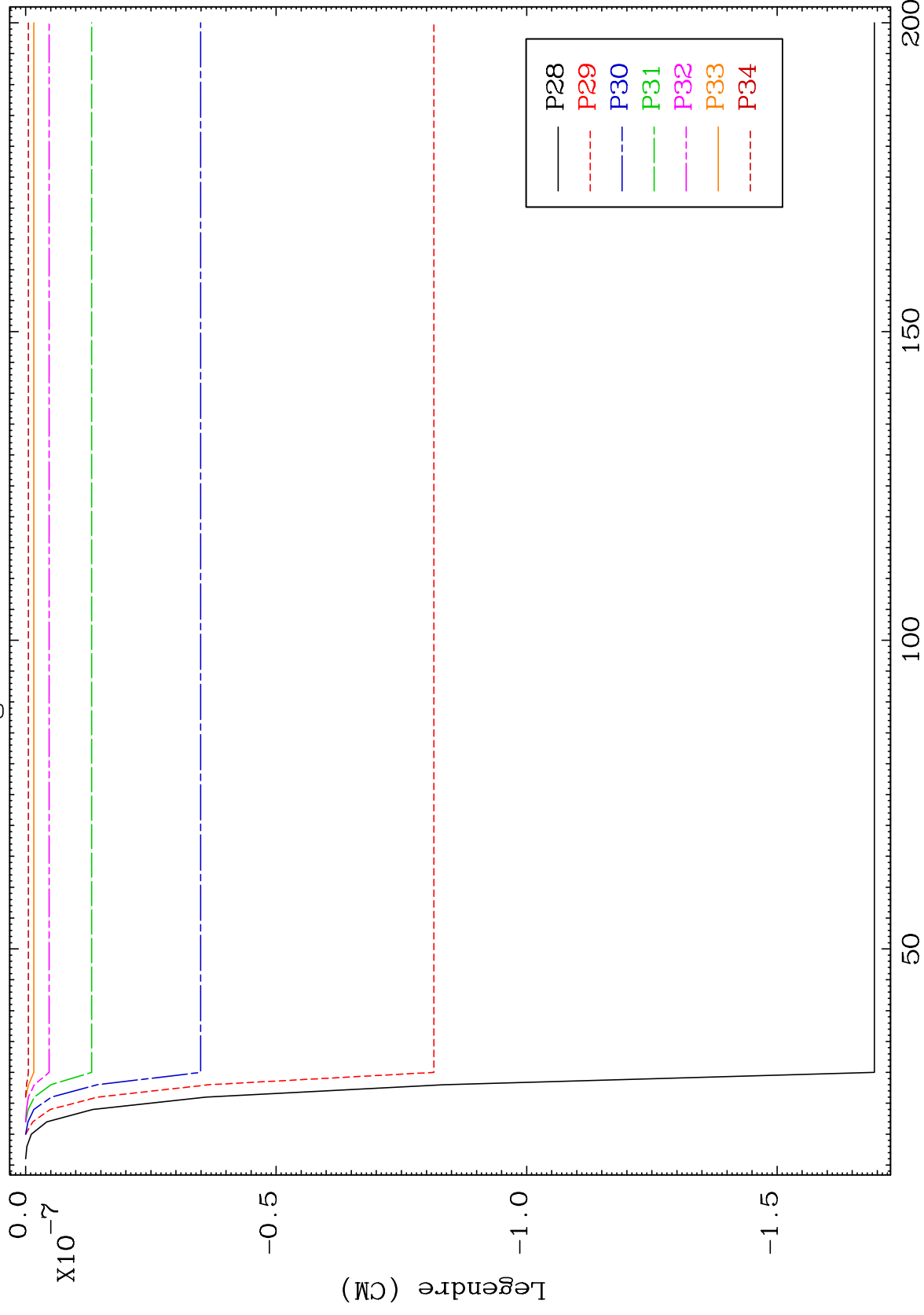
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132

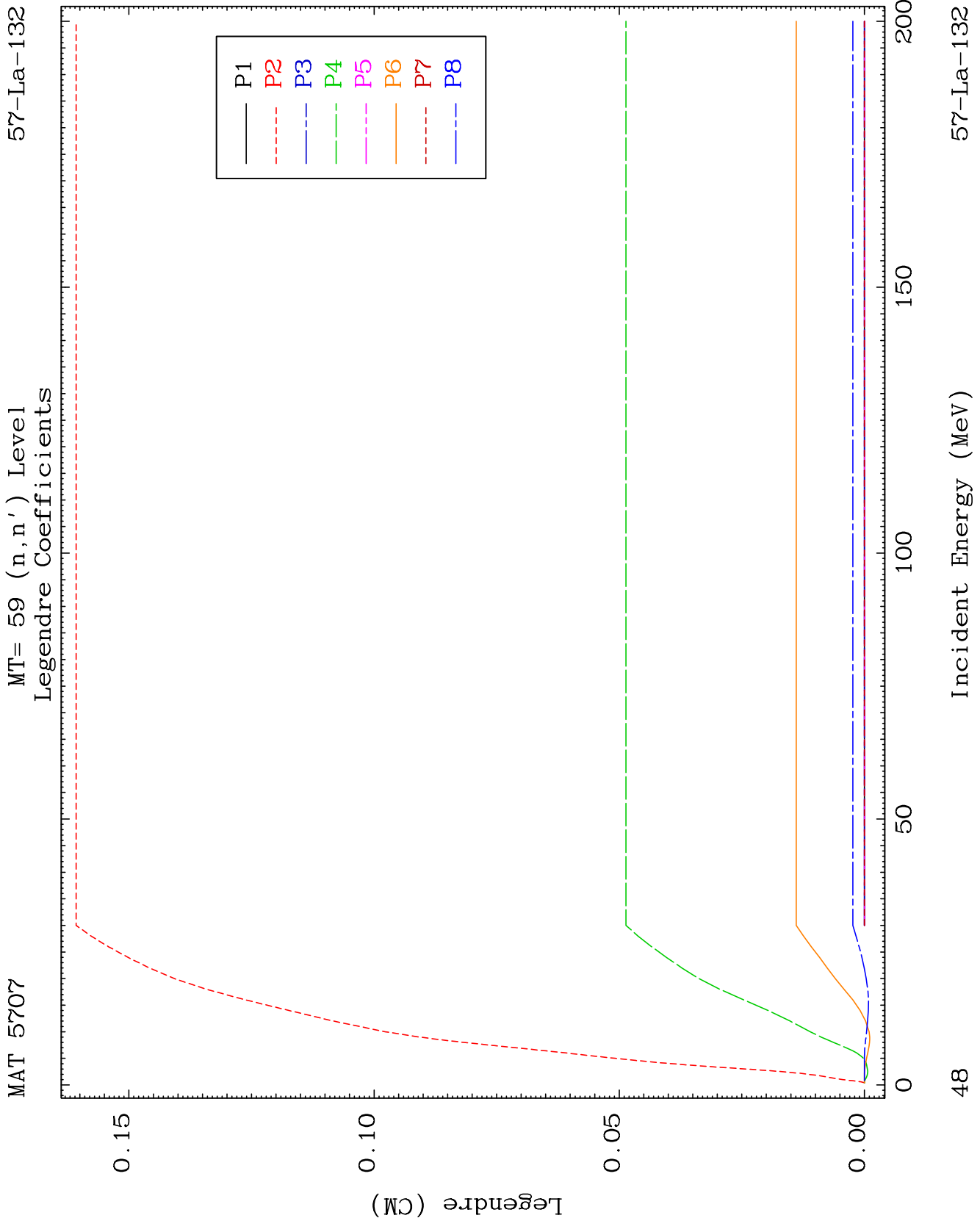


47

Incident Energy (MeV)

57-La-132

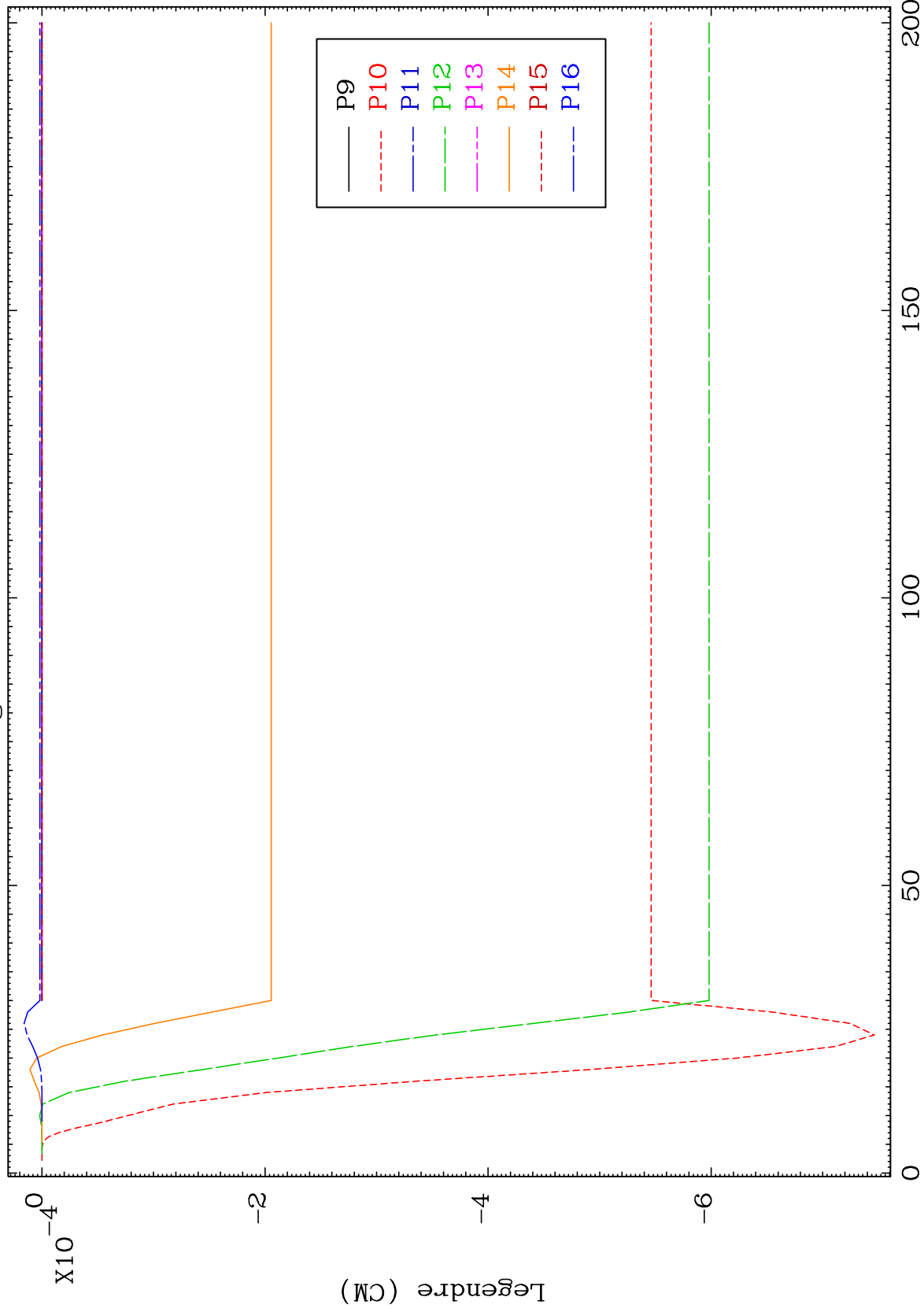




MAT 5707

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

57-La-132



49

Incident Energy (MeV)

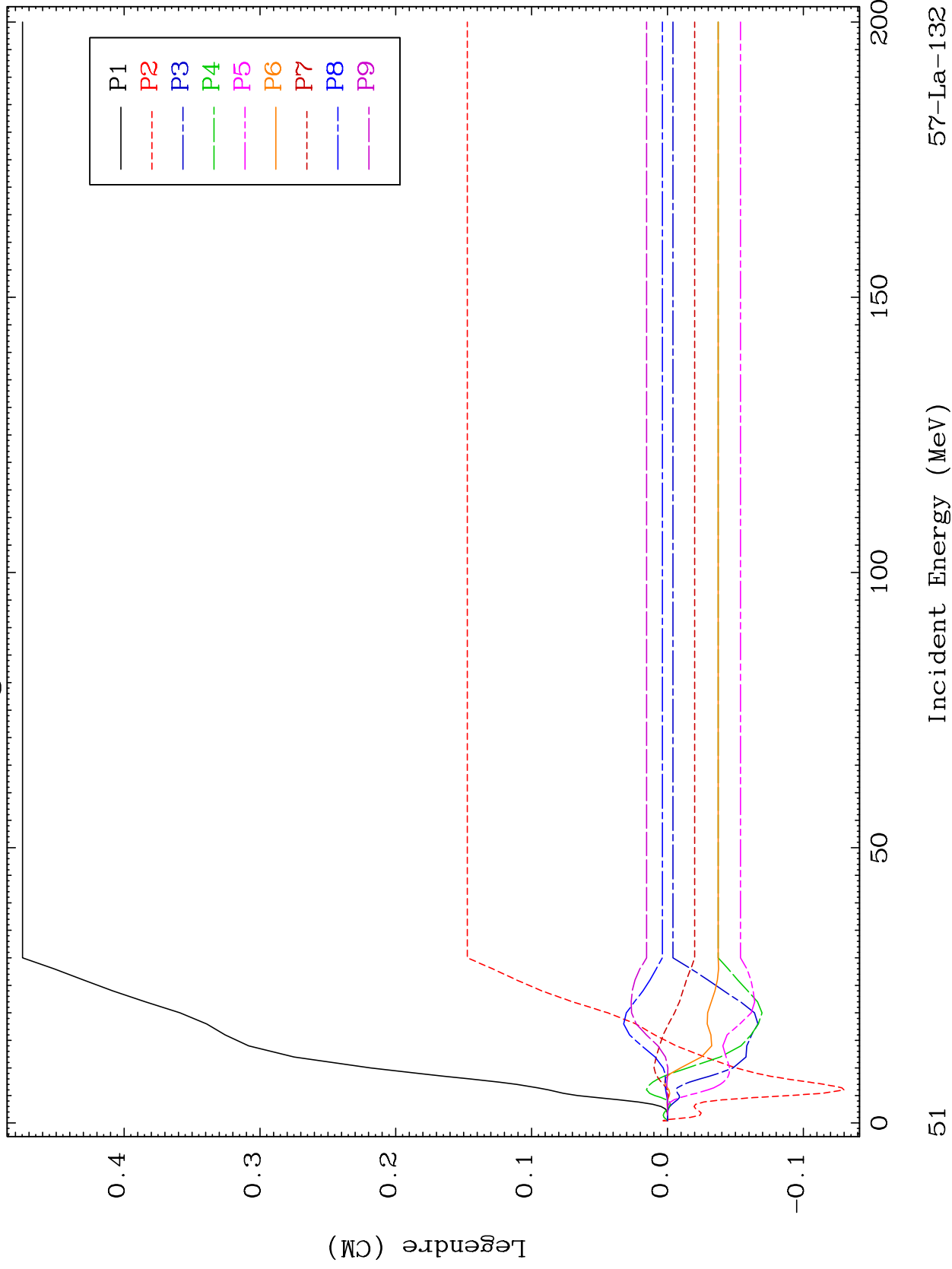
57-La-132



MAT 5707

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

57-La-132



57-La-132

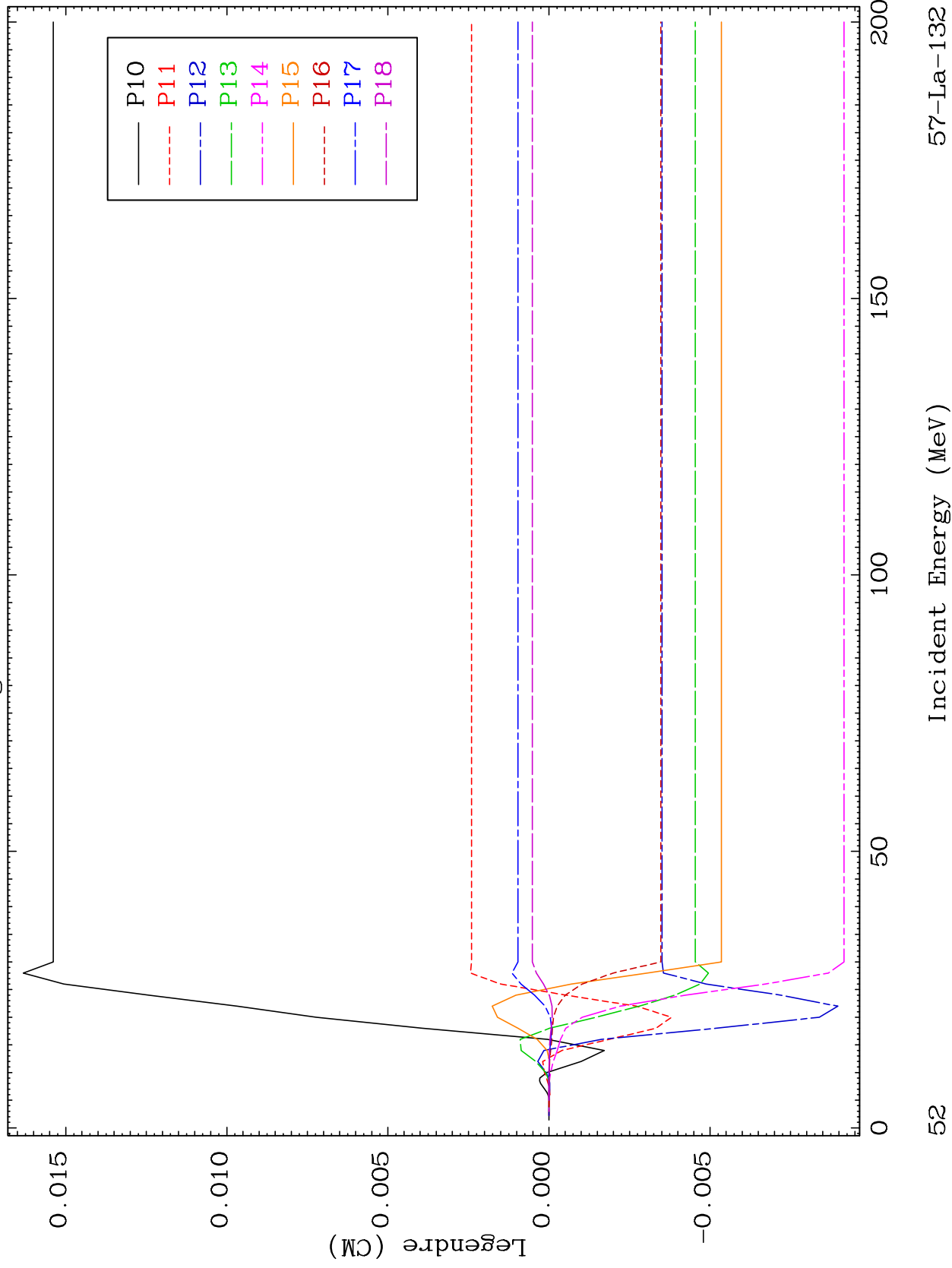
Incident Energy (MeV)

51

MAT 5707

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

57-La-132



52

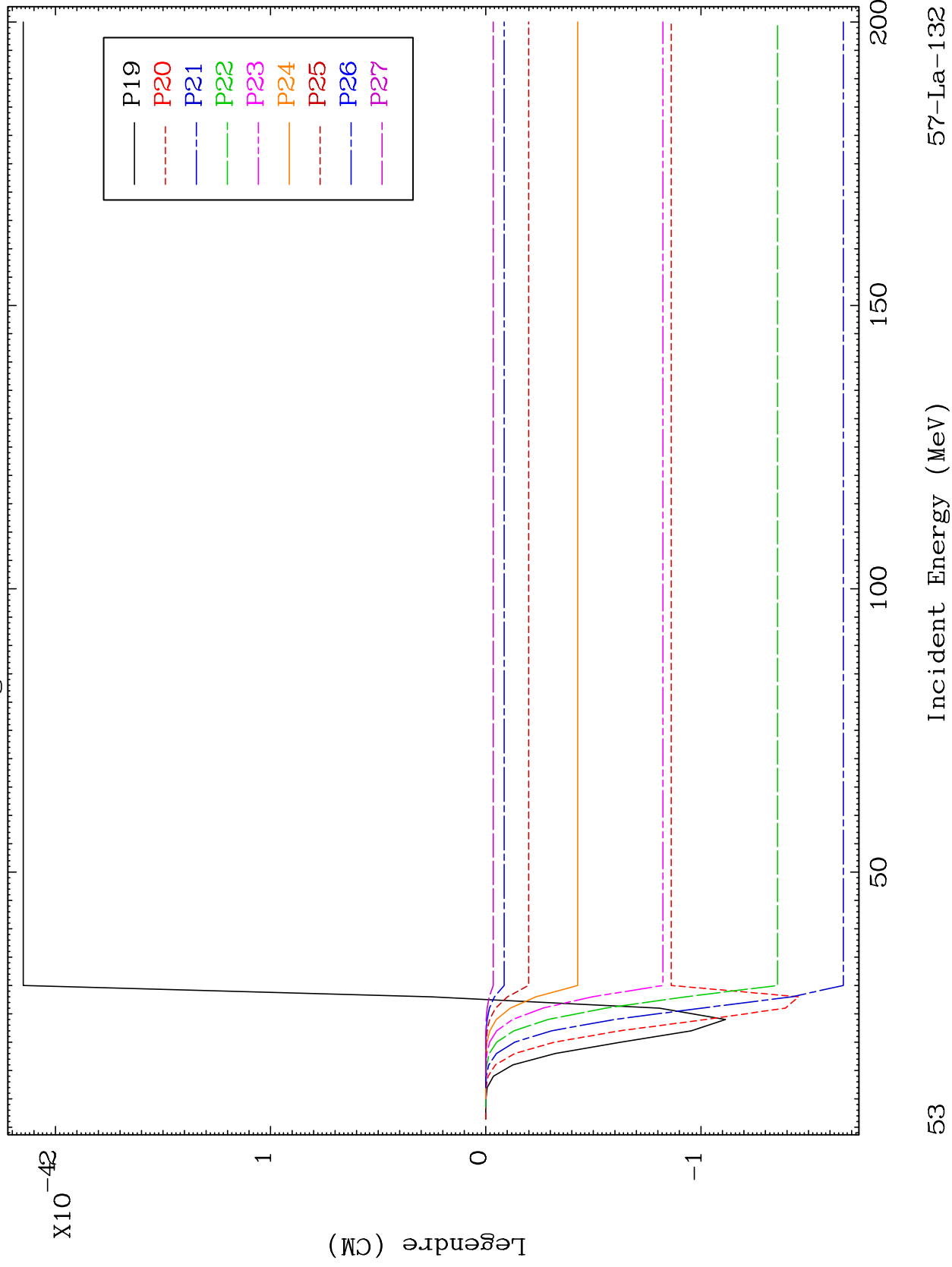
Incident Energy (MeV)

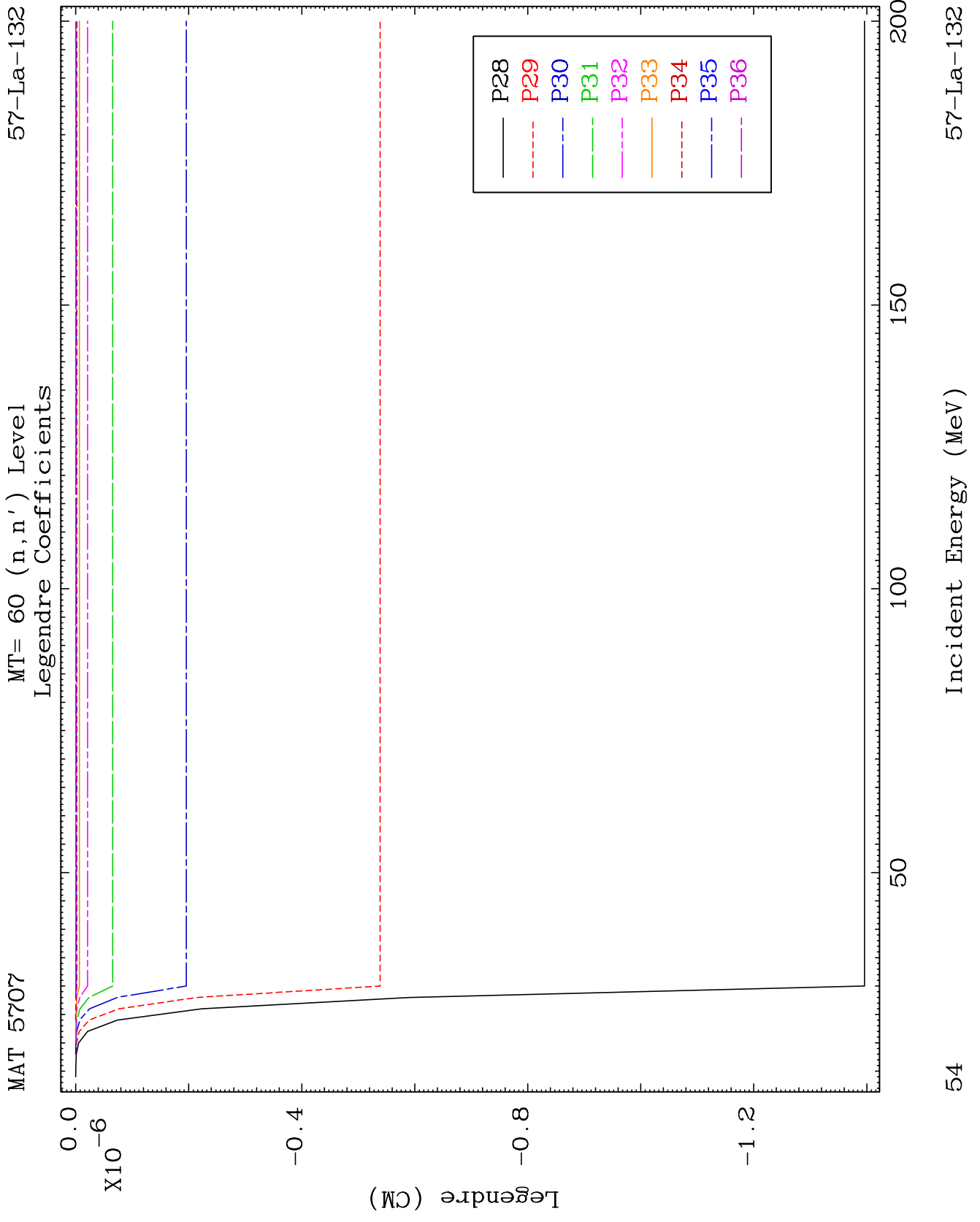
57-La-132

MAT 5707

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

57-La-132

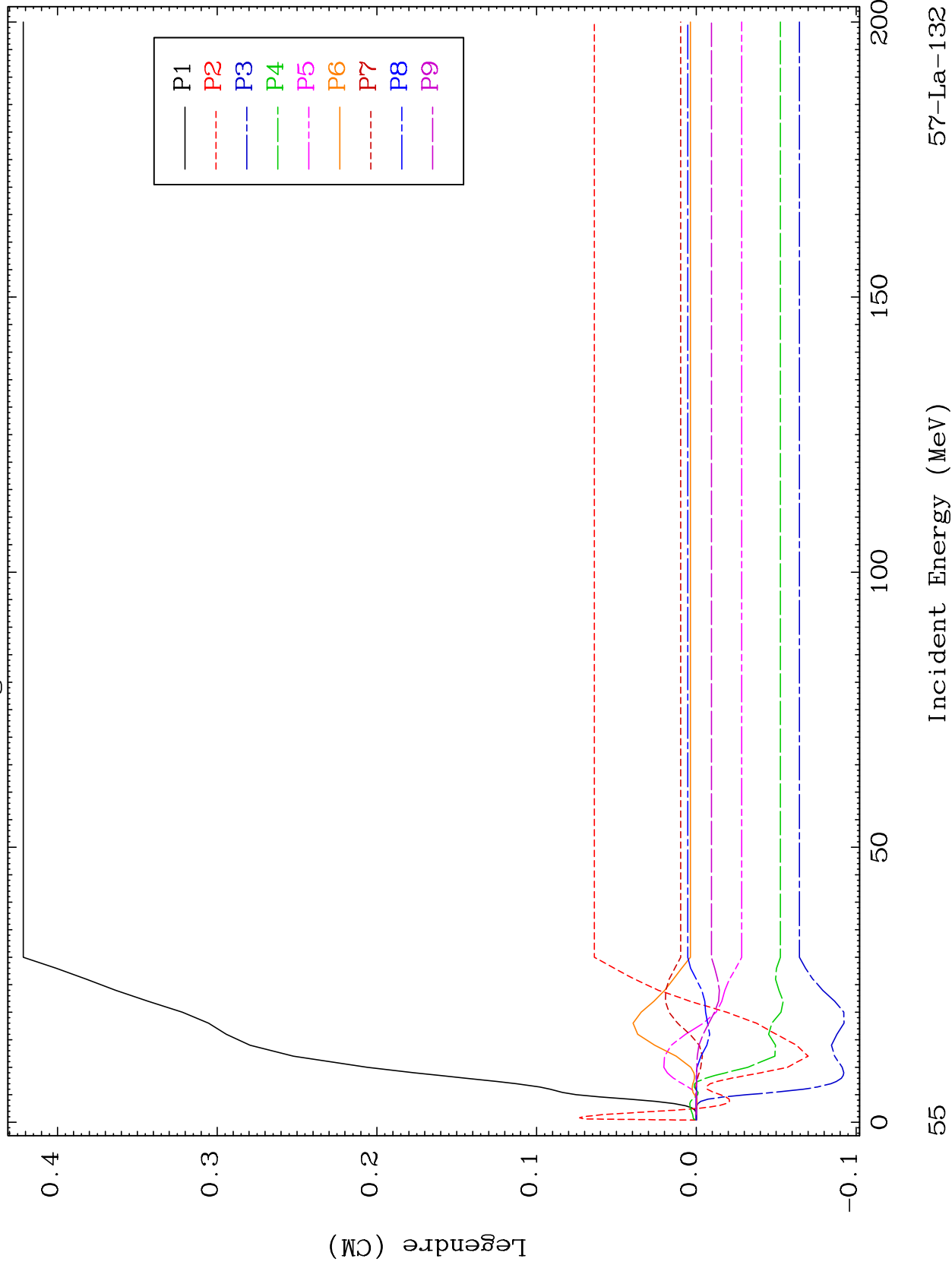




MAT 5707

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

57-La-132

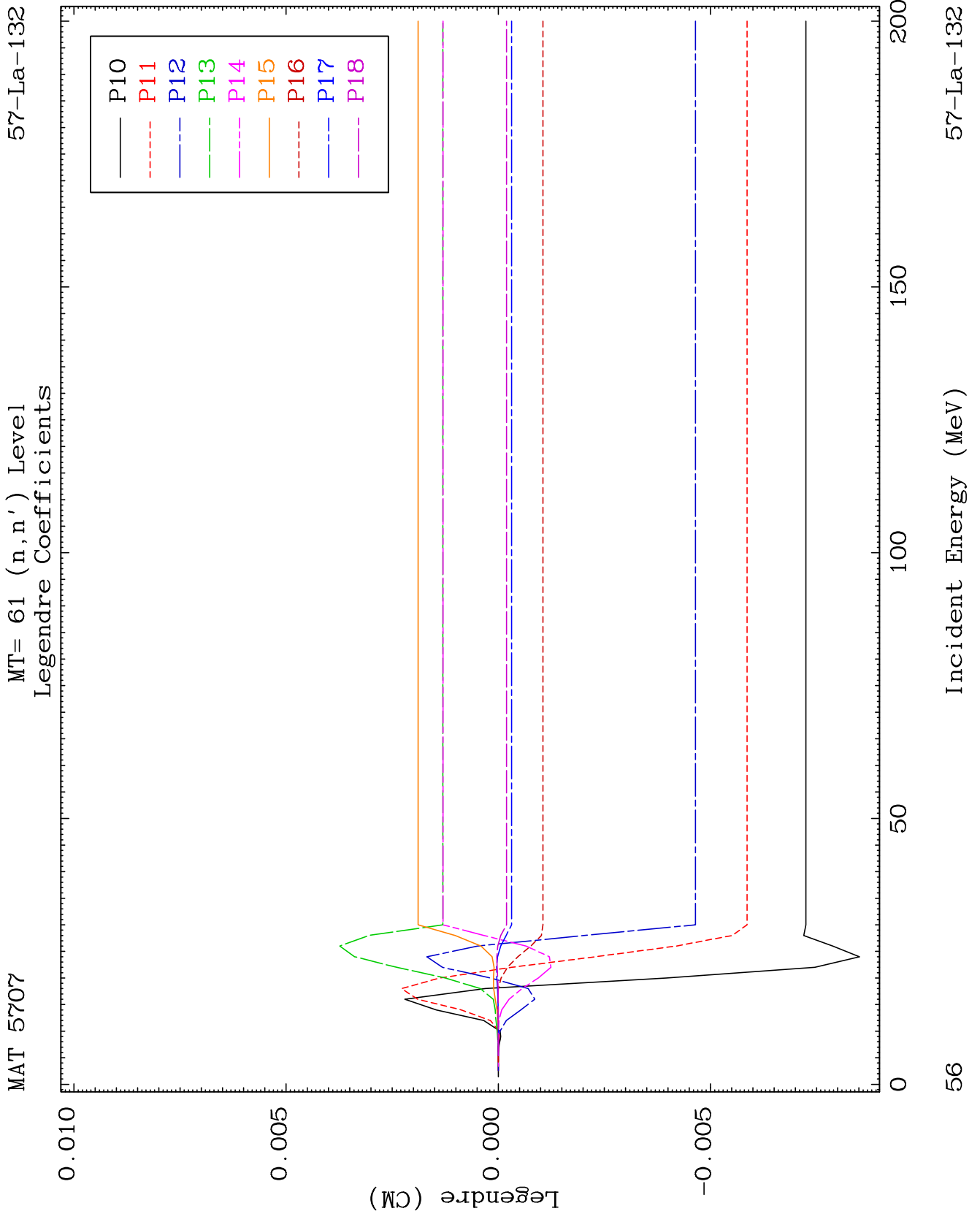


57-La-132

Incident Energy (MeV)

55

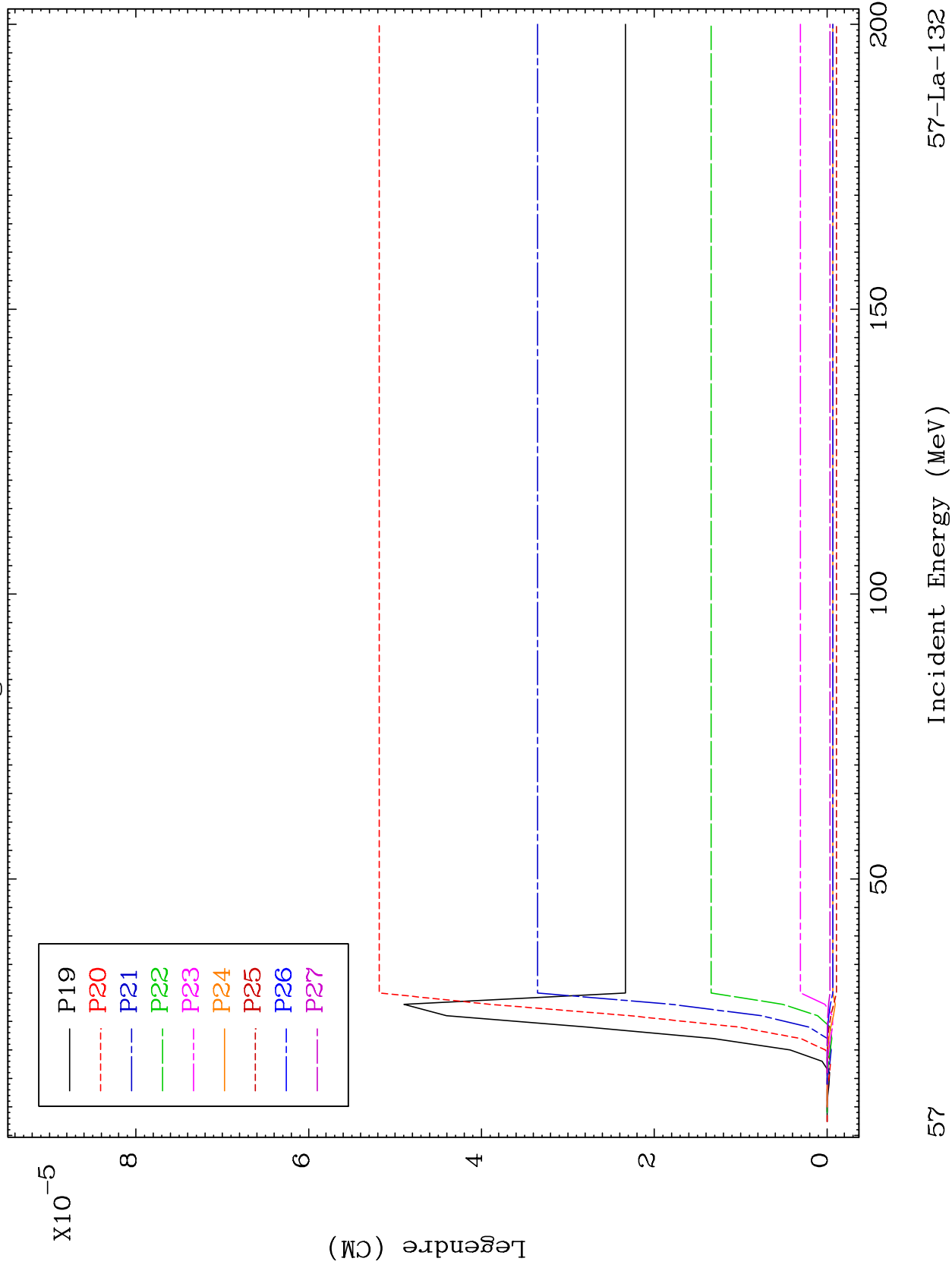




MAT 5707

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

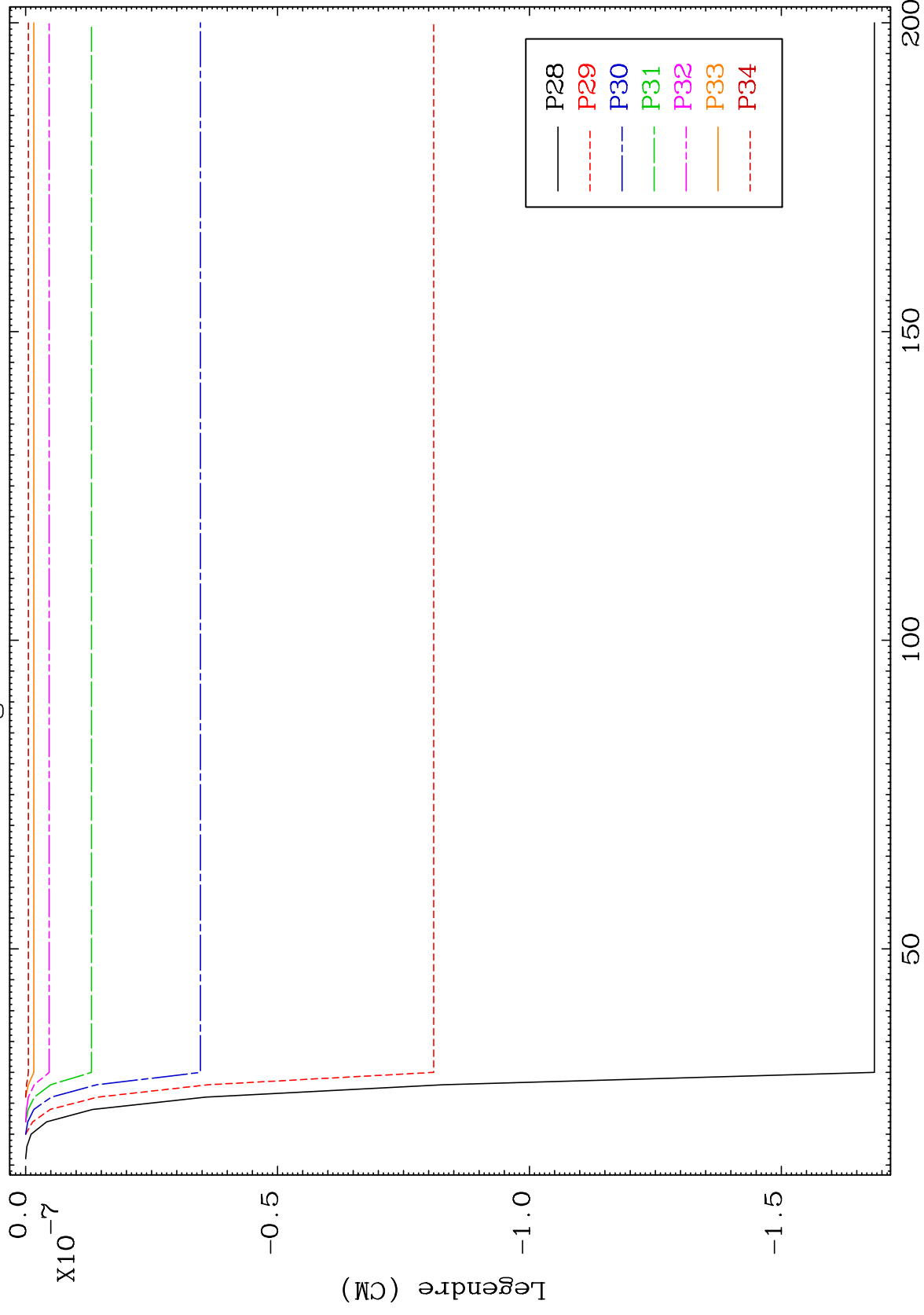
57-La-132



MAT 5707

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

57-La-132

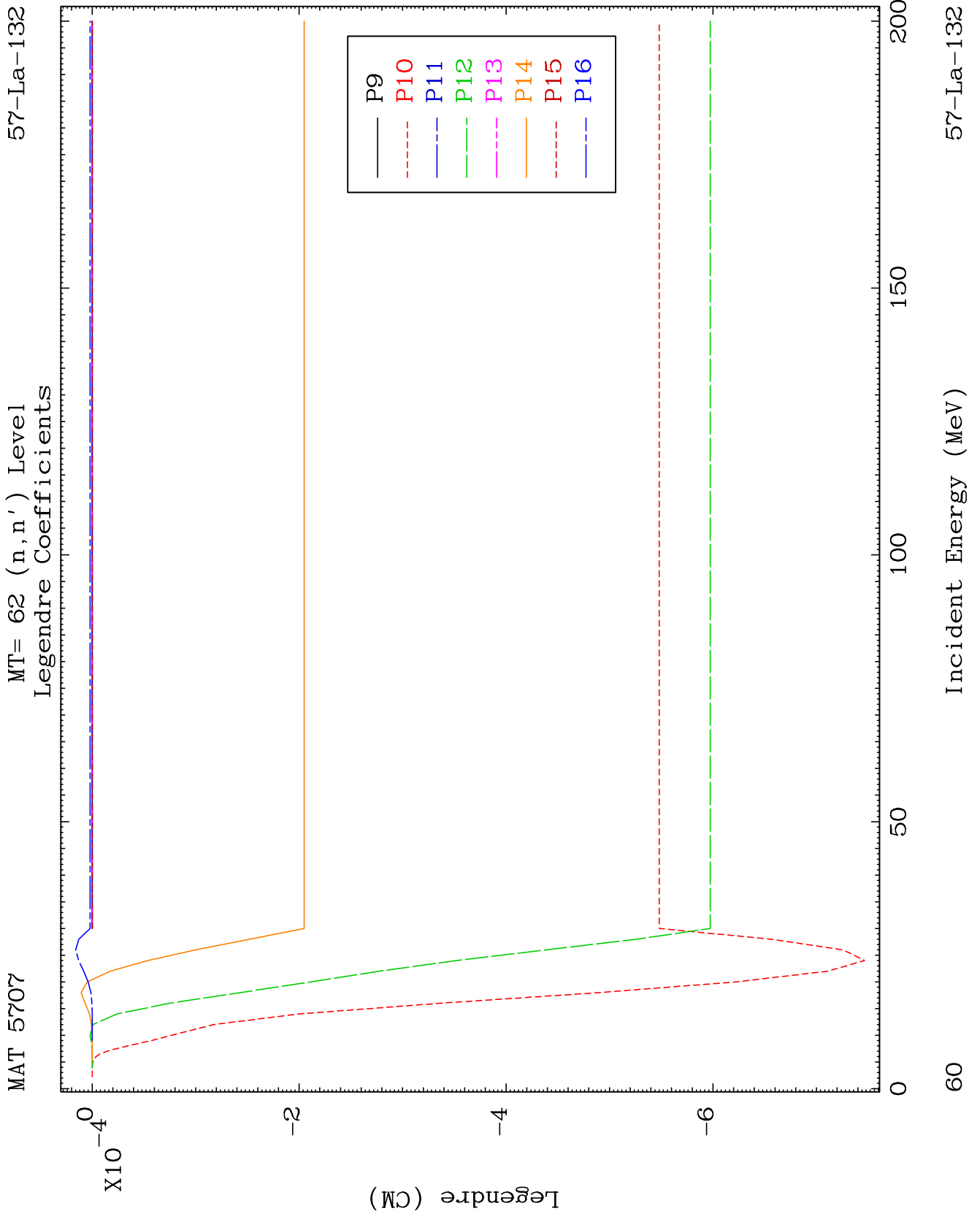


58

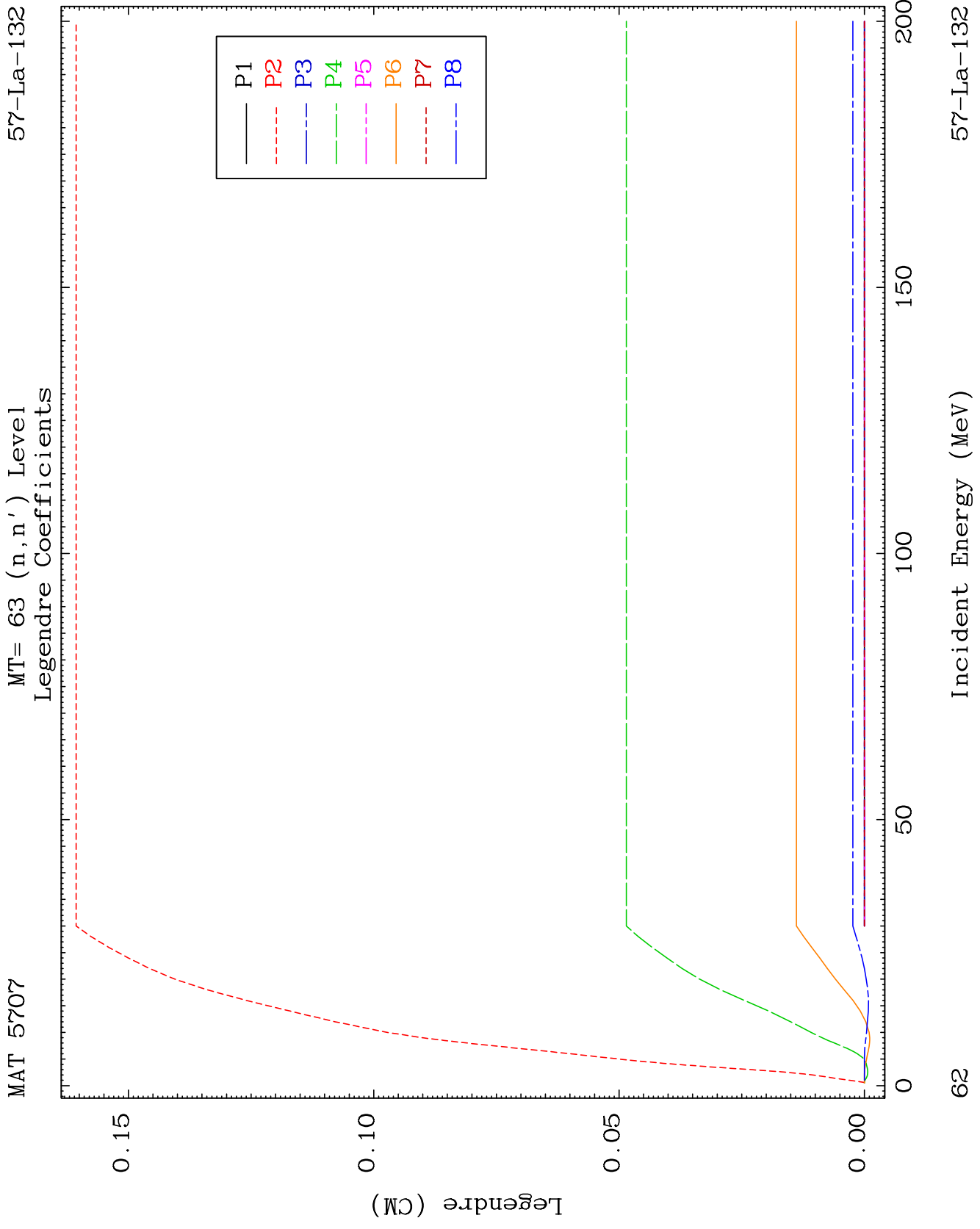
Incident Energy (MeV)

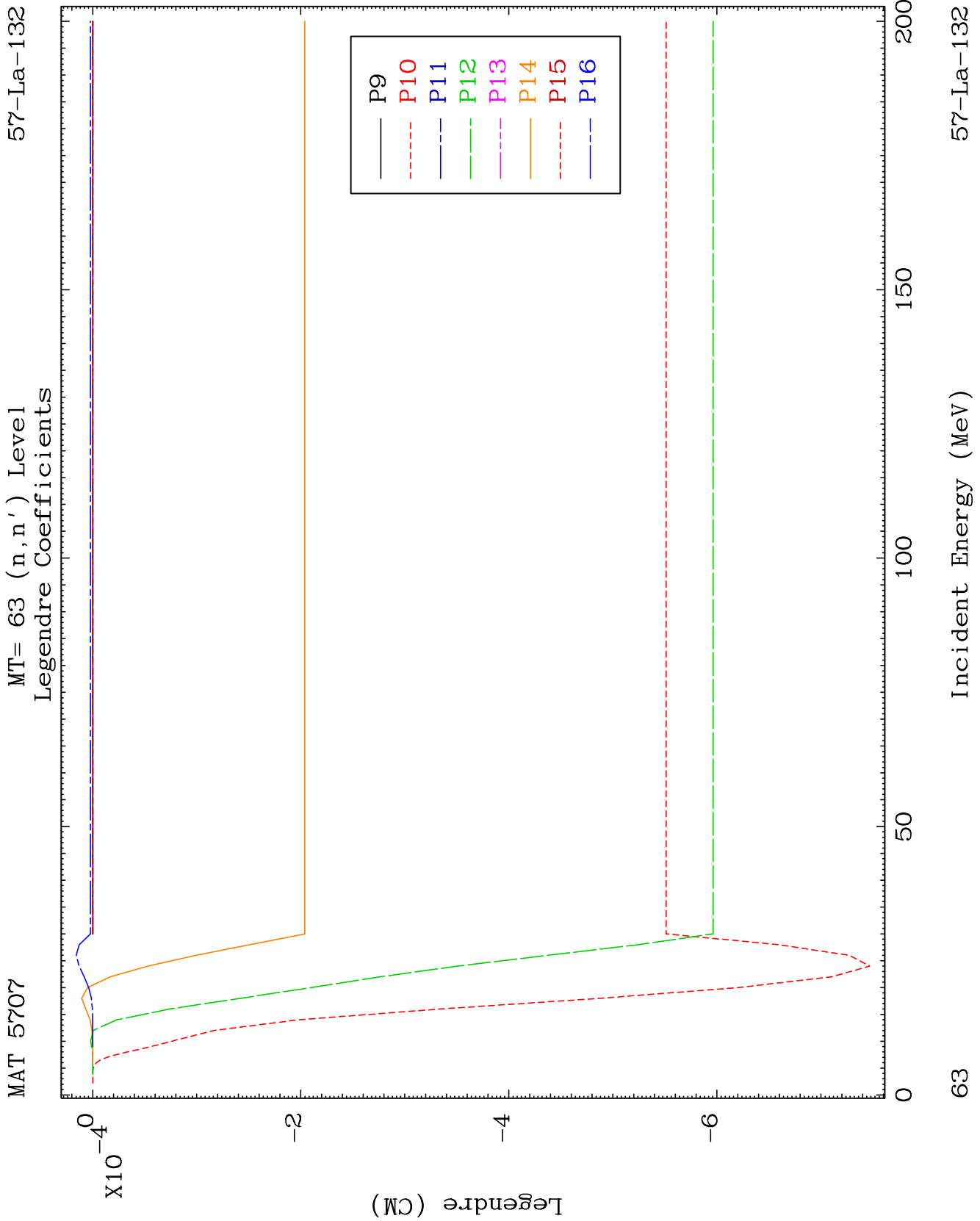
57-La-132











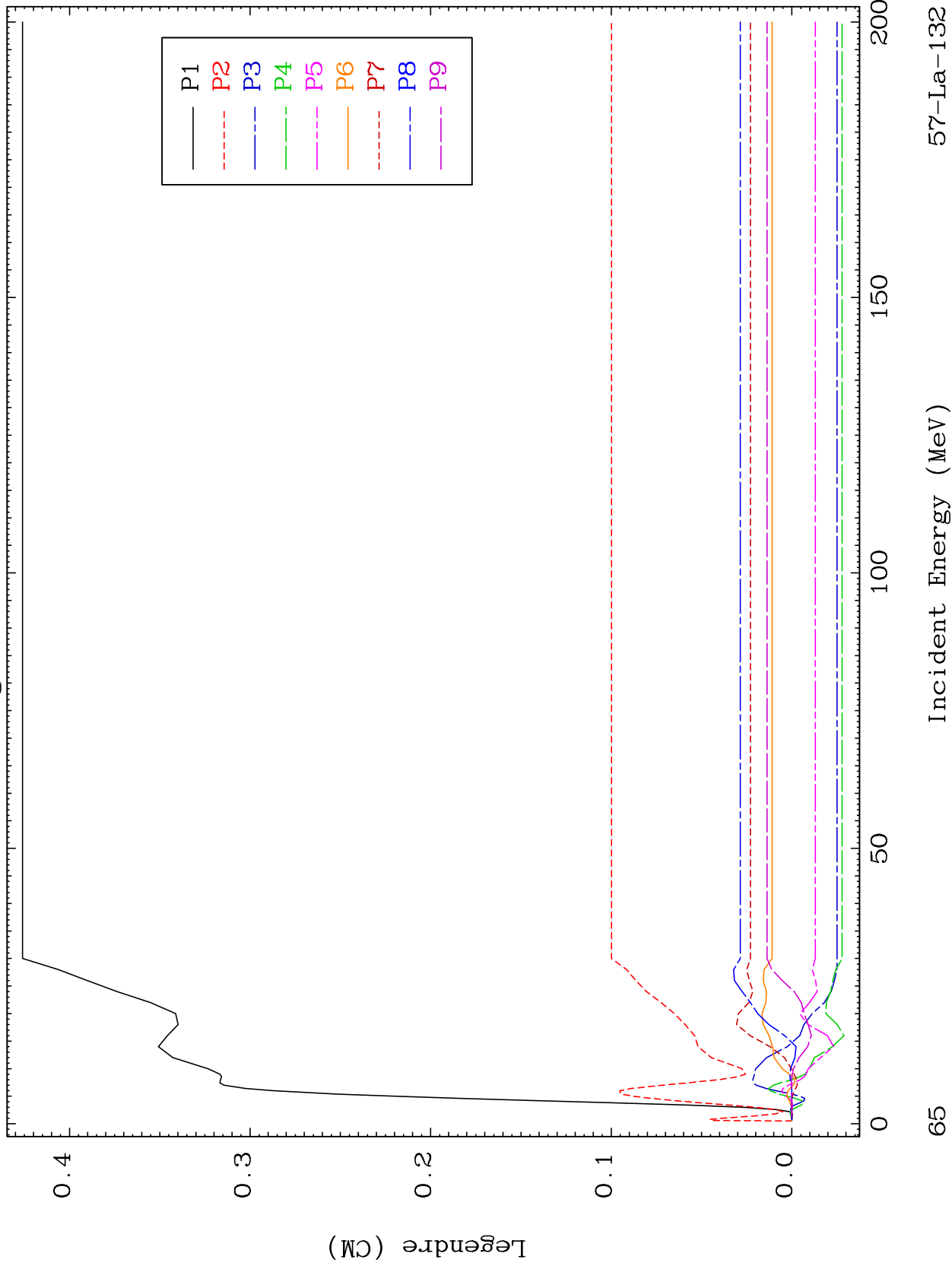




MAT 5707

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

57-La-132



57-La-132

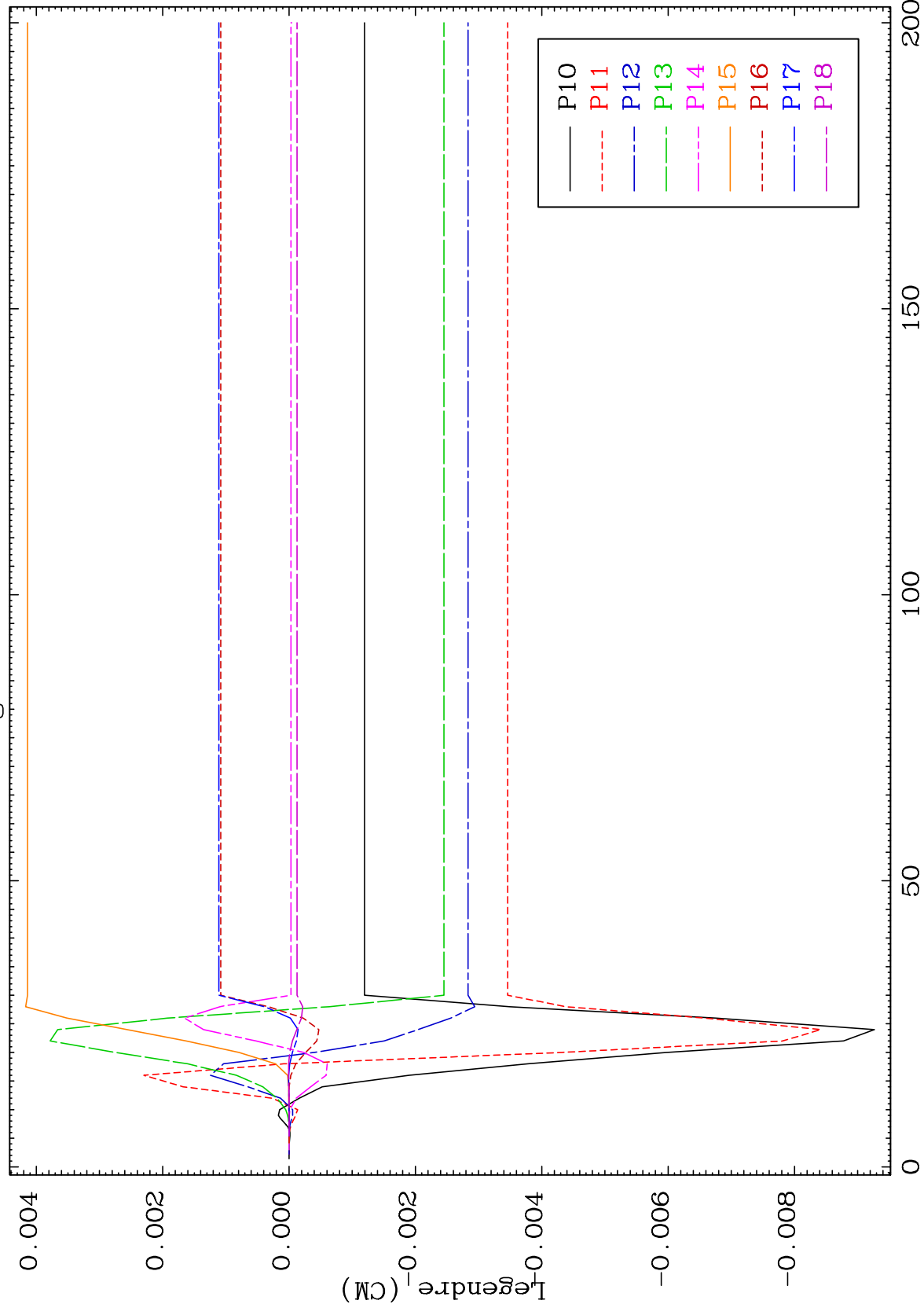
Incident Energy (MeV)

65

MAT 5707

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

57-La-132



66

Incident Energy (MeV)

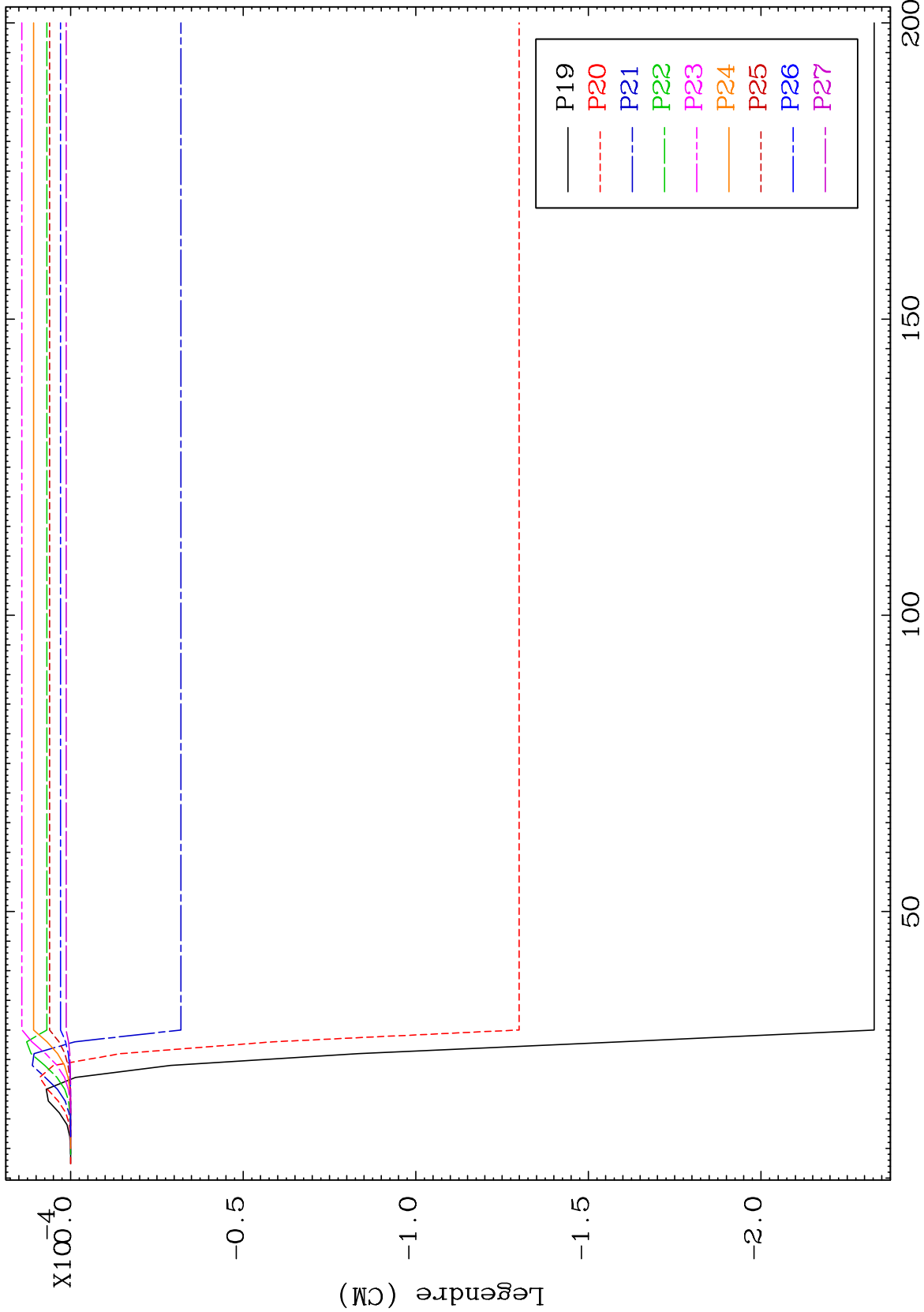
57-La-132

MAT 5707

MT= 64 (n,n') Level

57-La-132

Legendre Coefficients



67

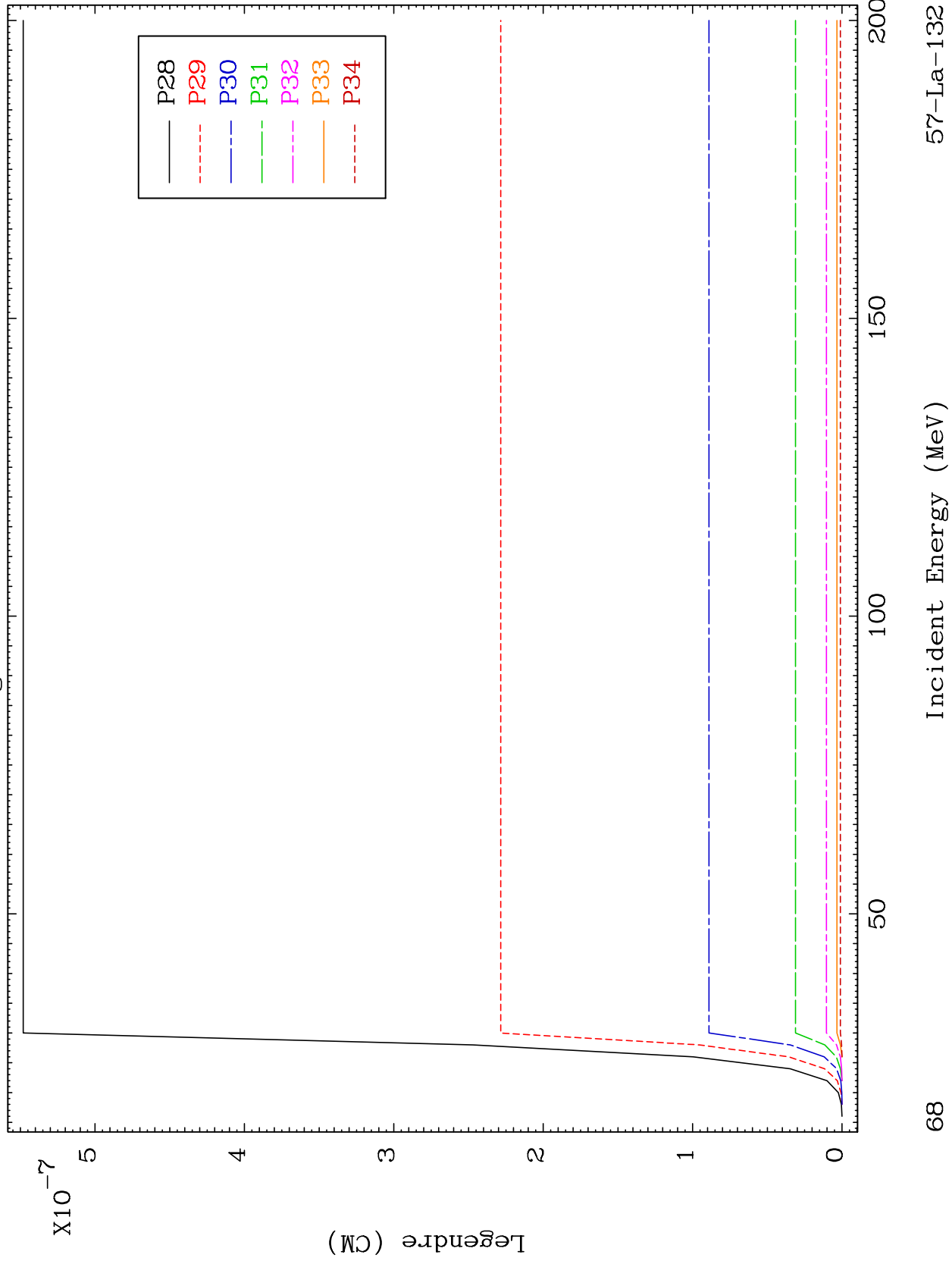
Incident Energy (MeV)

57-La-132

MAT 5707

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

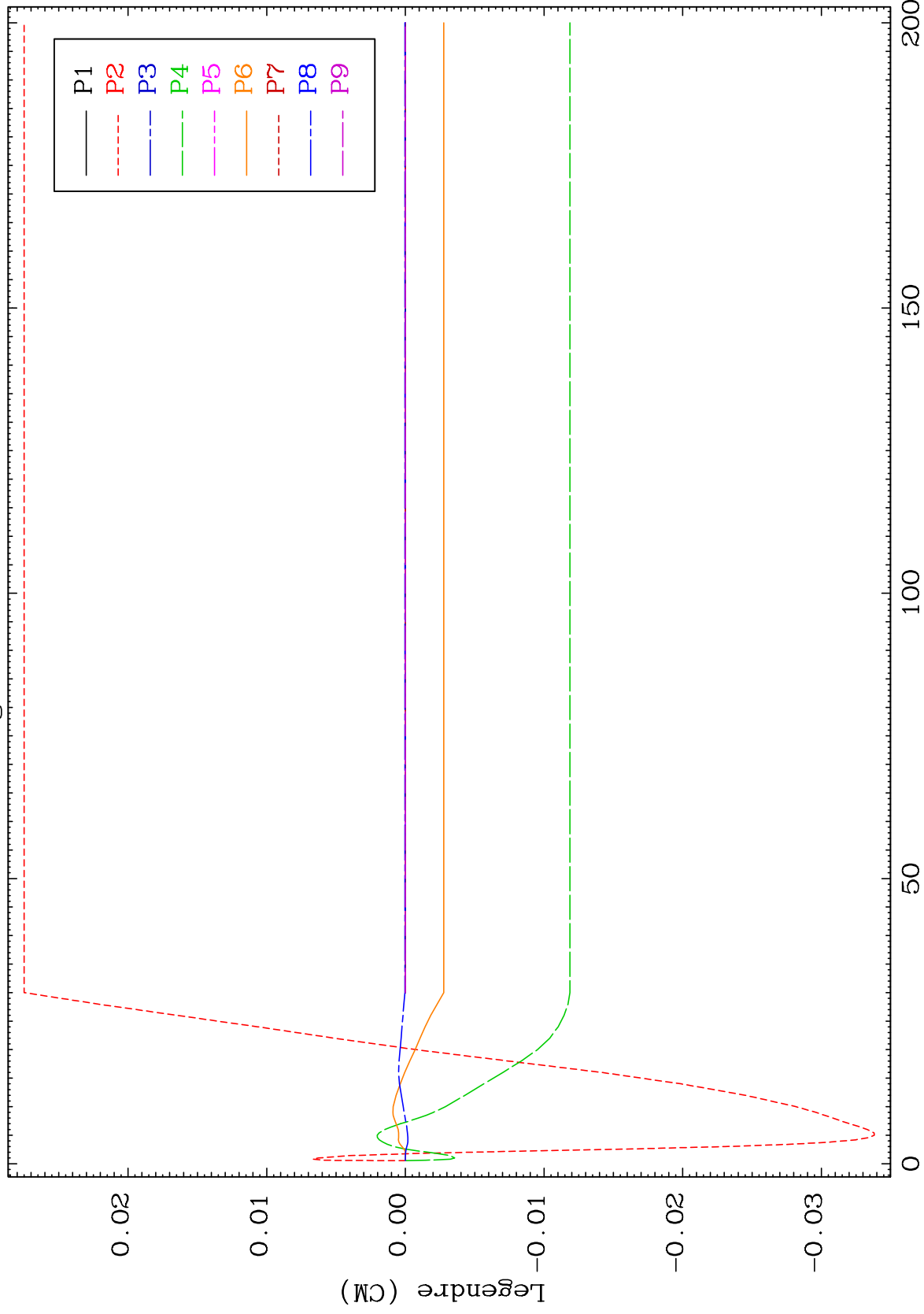
57-La-132



MAT 5707

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

57-La-132

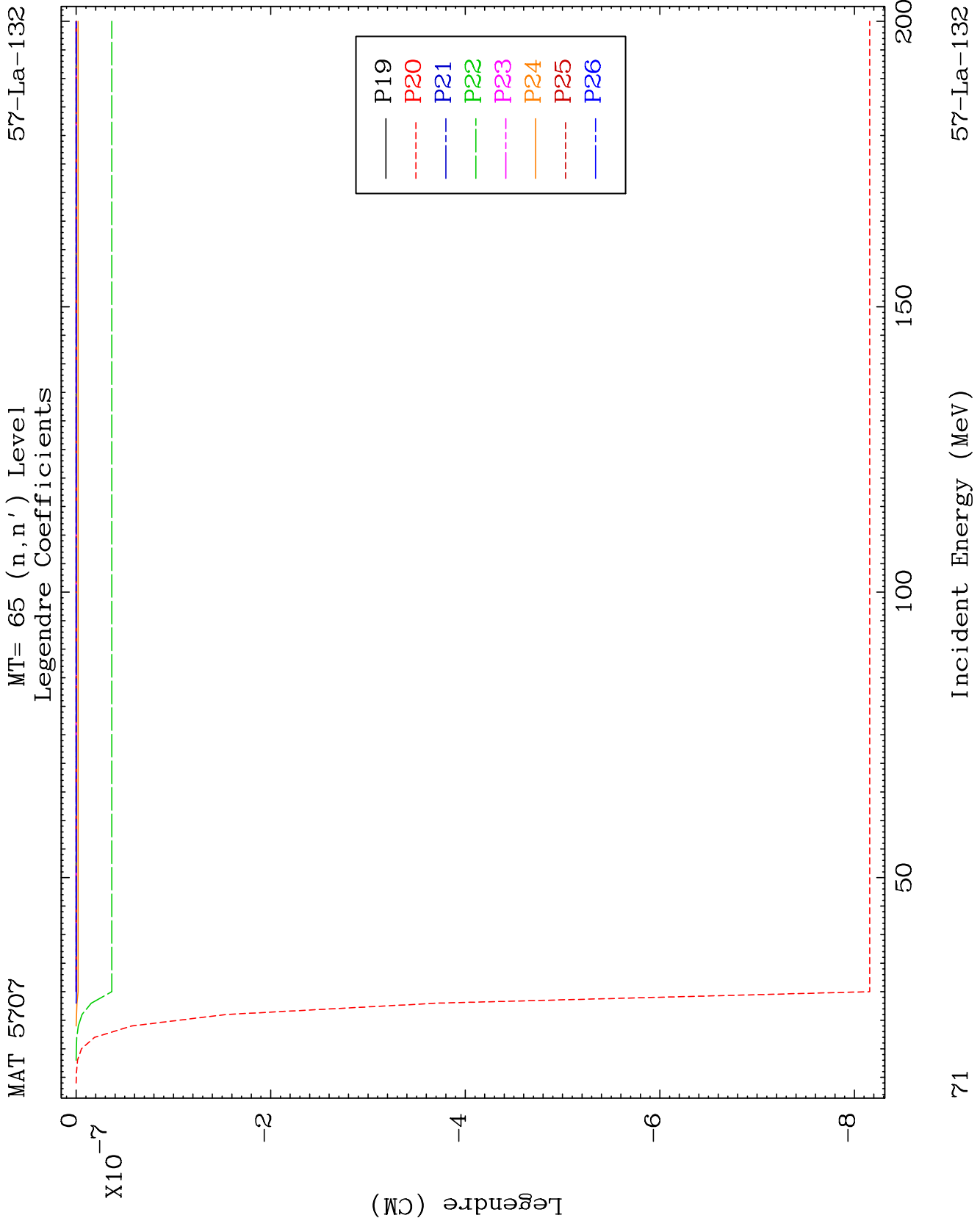


57-La-132

Incident Energy (MeV)

69



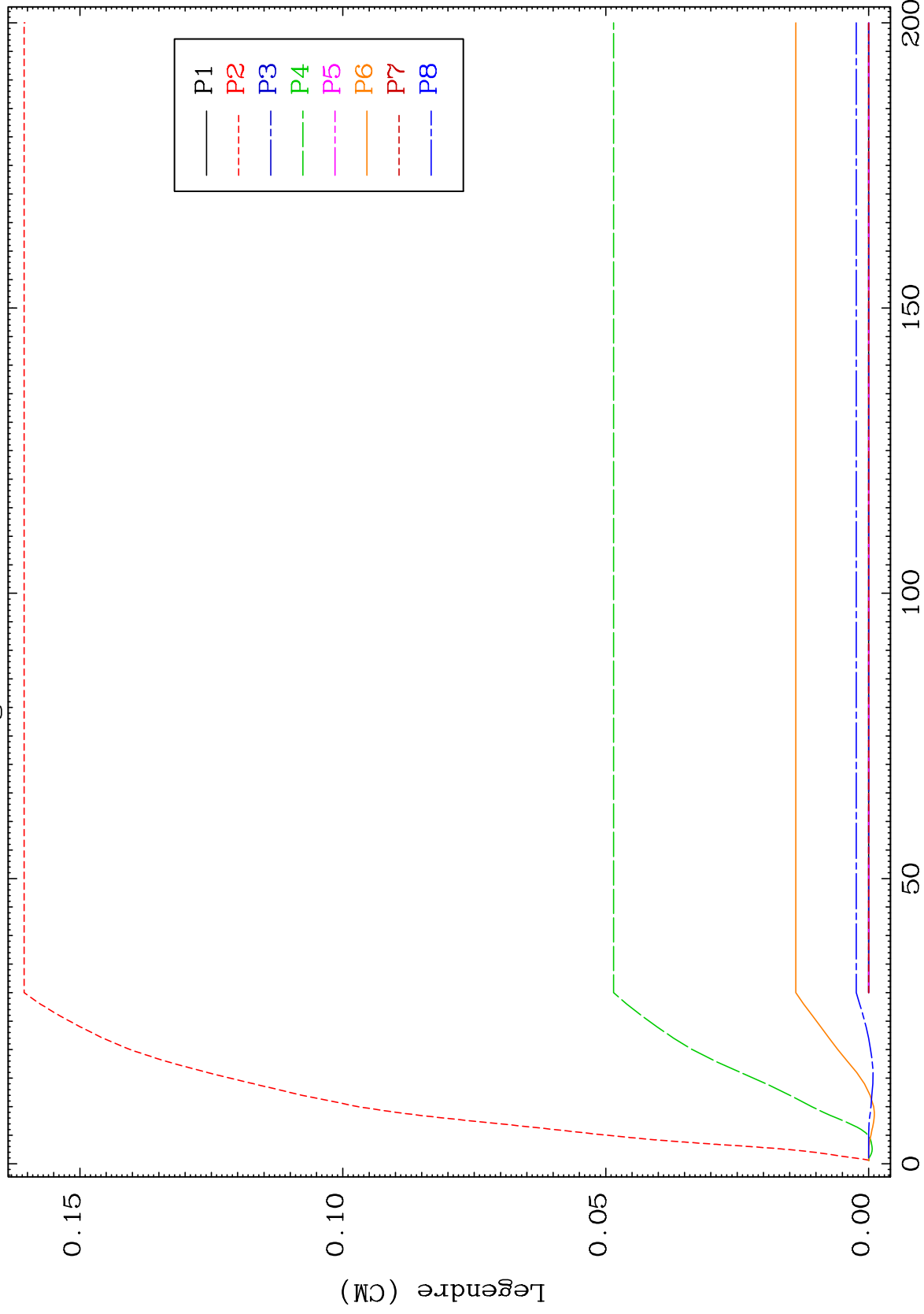




MAT 5707

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

57-La-132



72

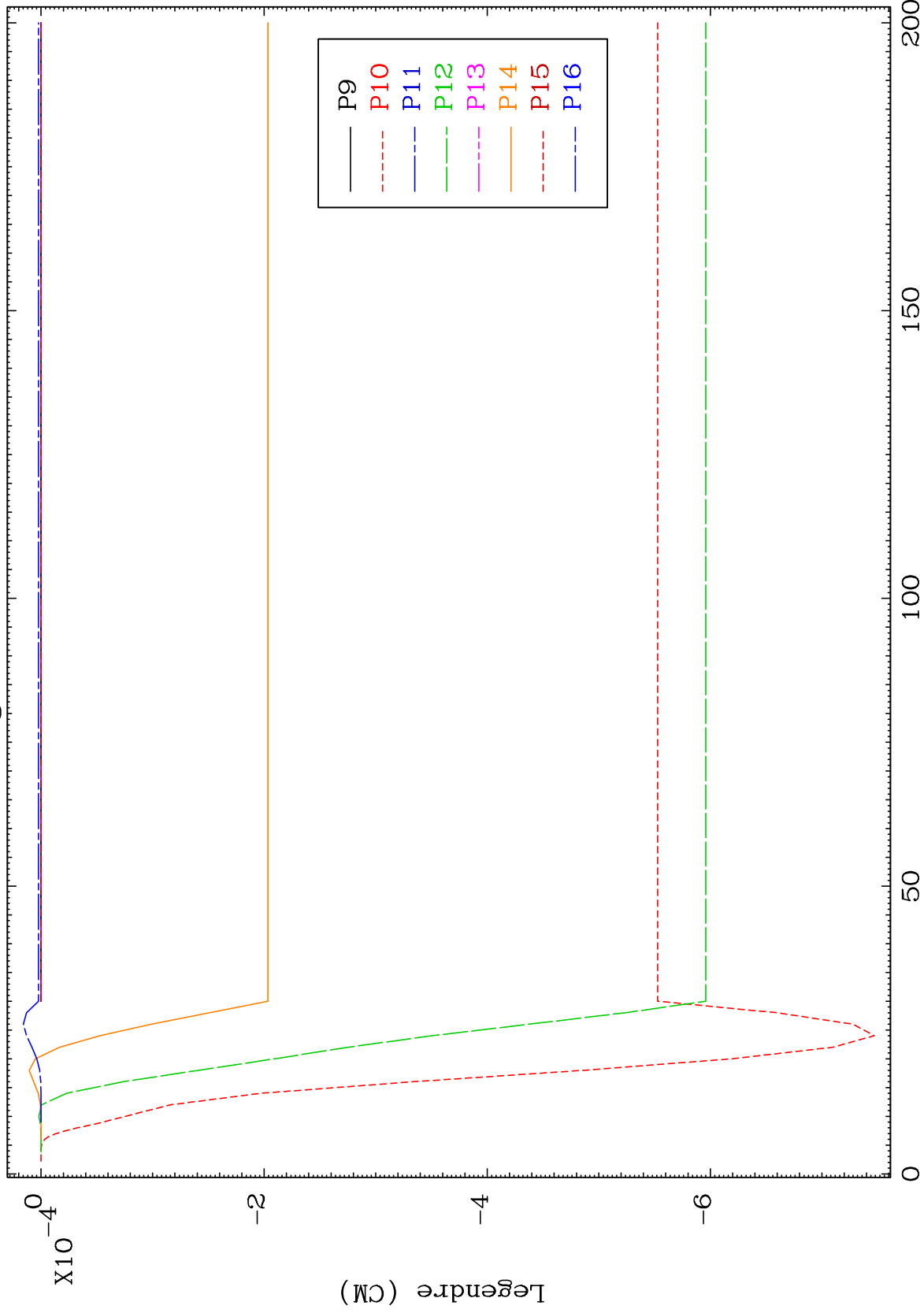
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



73

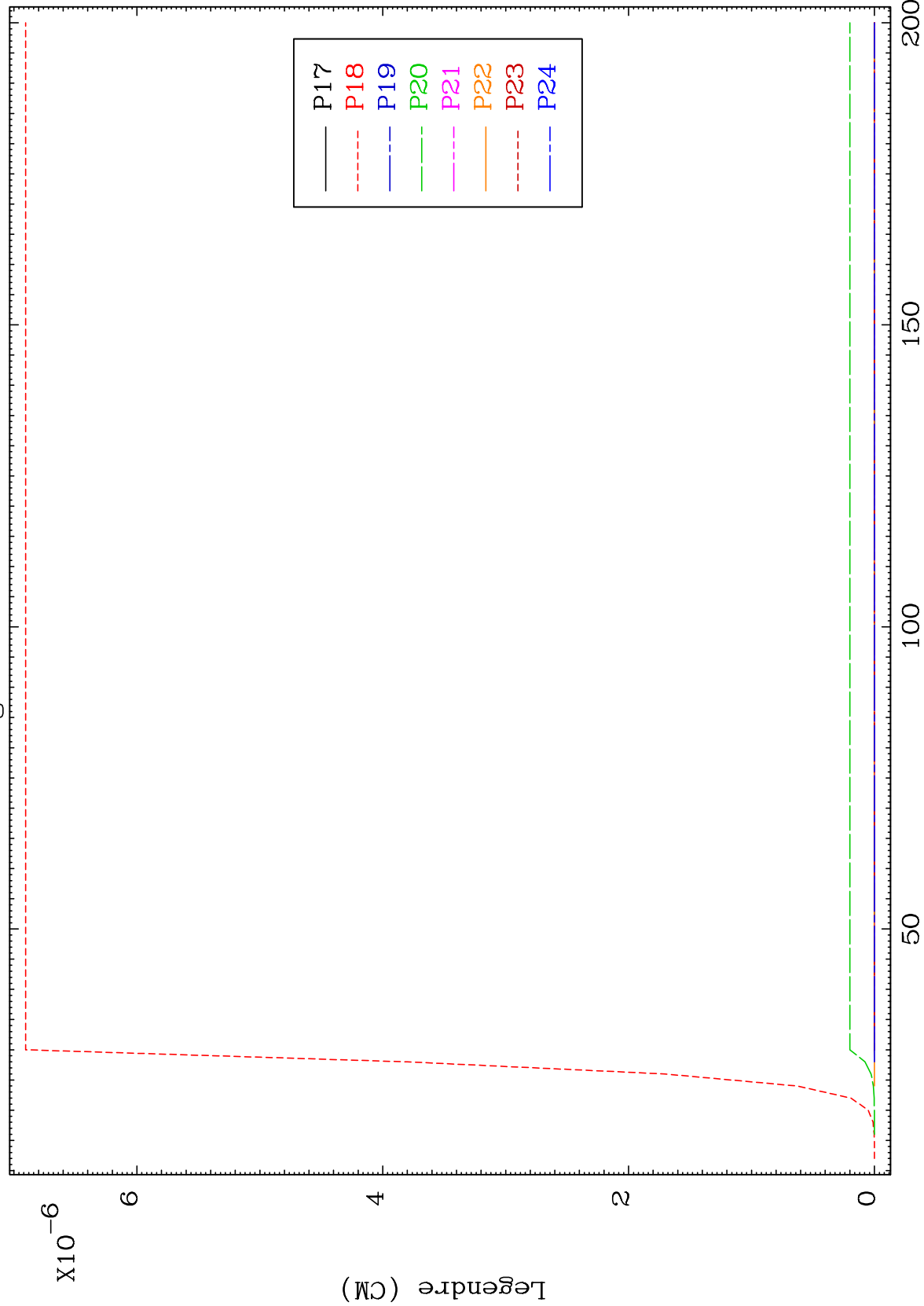
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



57-La-132

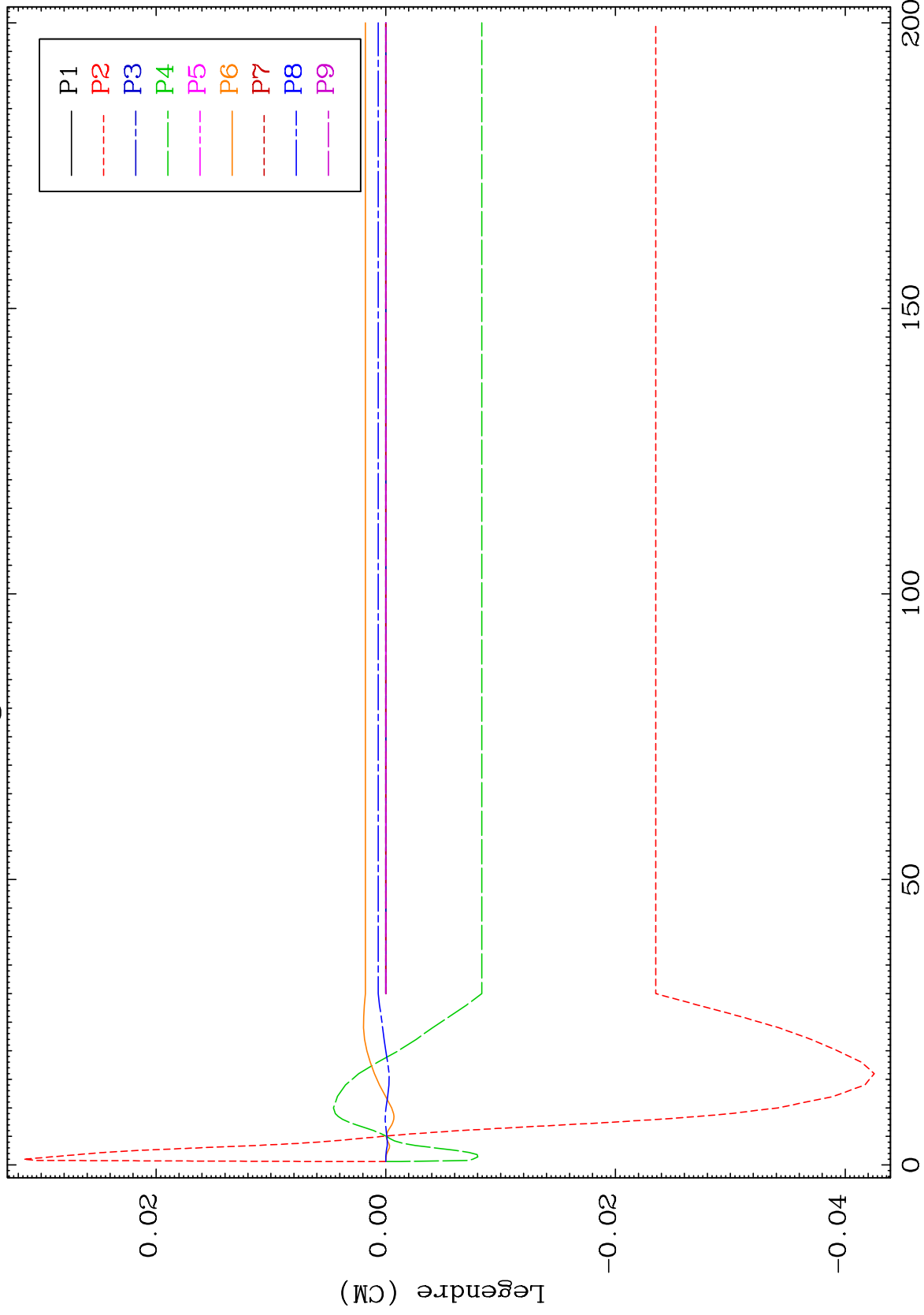
Incident Energy (MeV)

74

MAT 5707

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

57-La-132



75

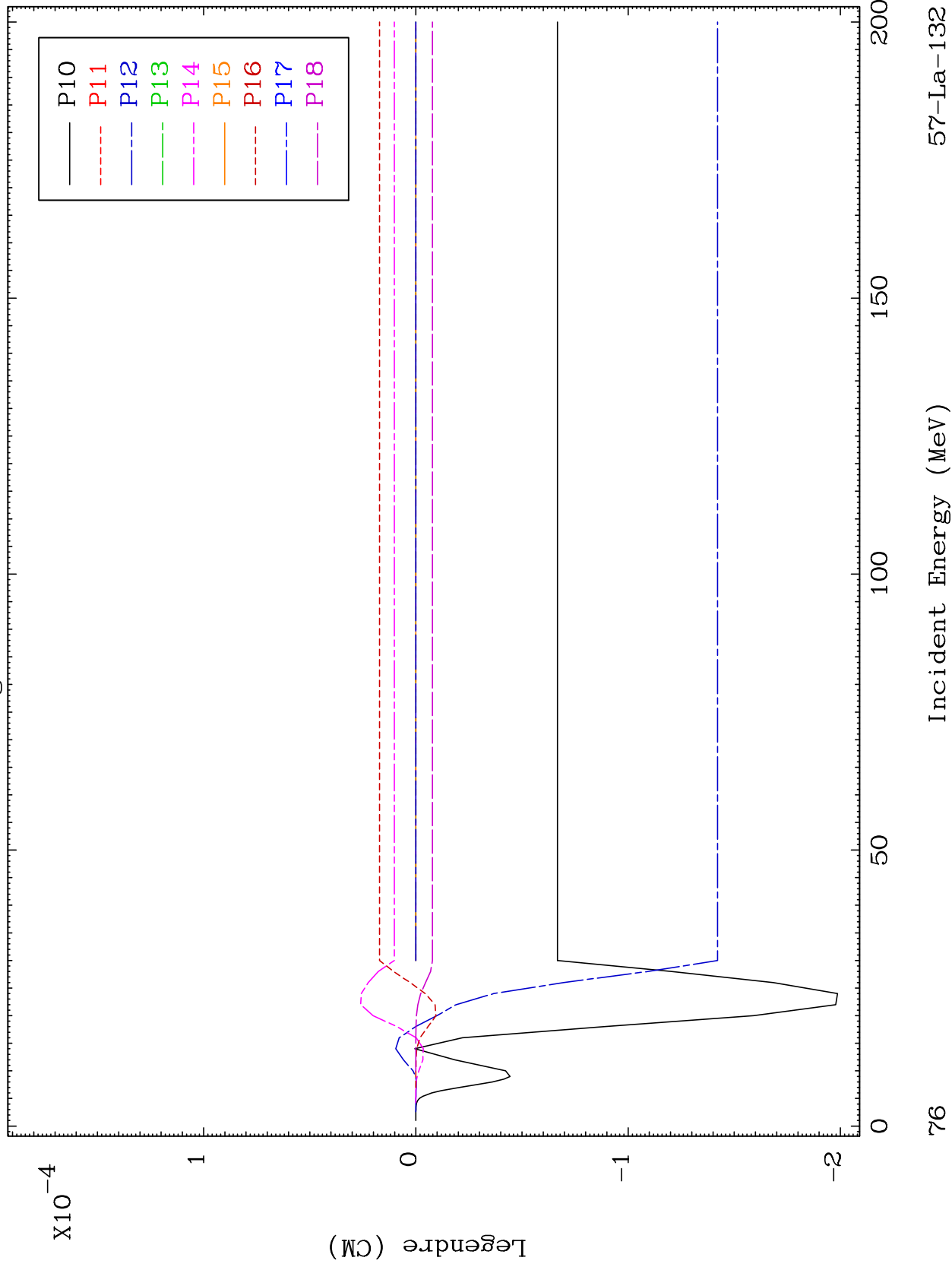
Incident Energy (MeV)

57-La-132

MAT 5707

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

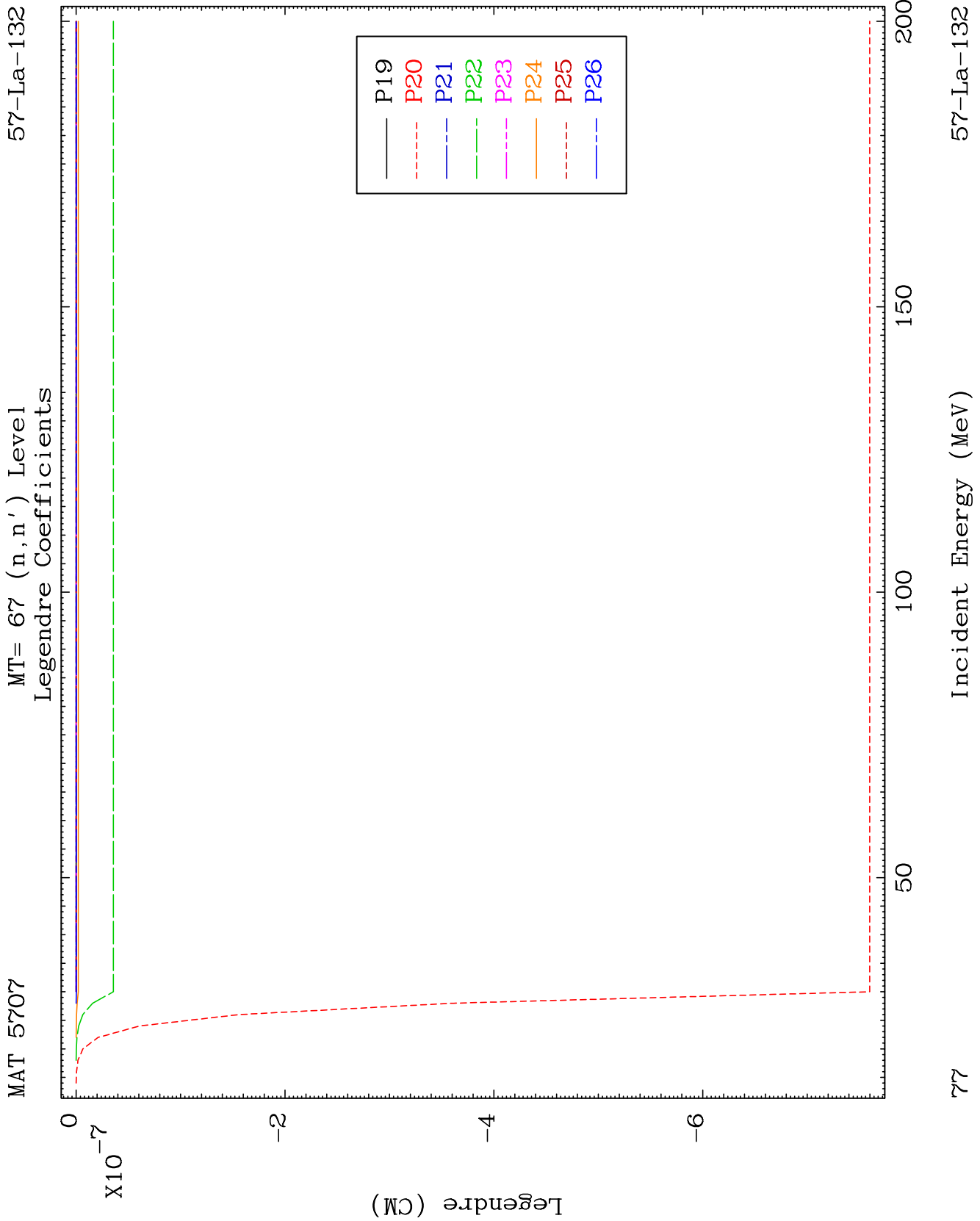
57-La-132



76

Incident Energy (MeV)

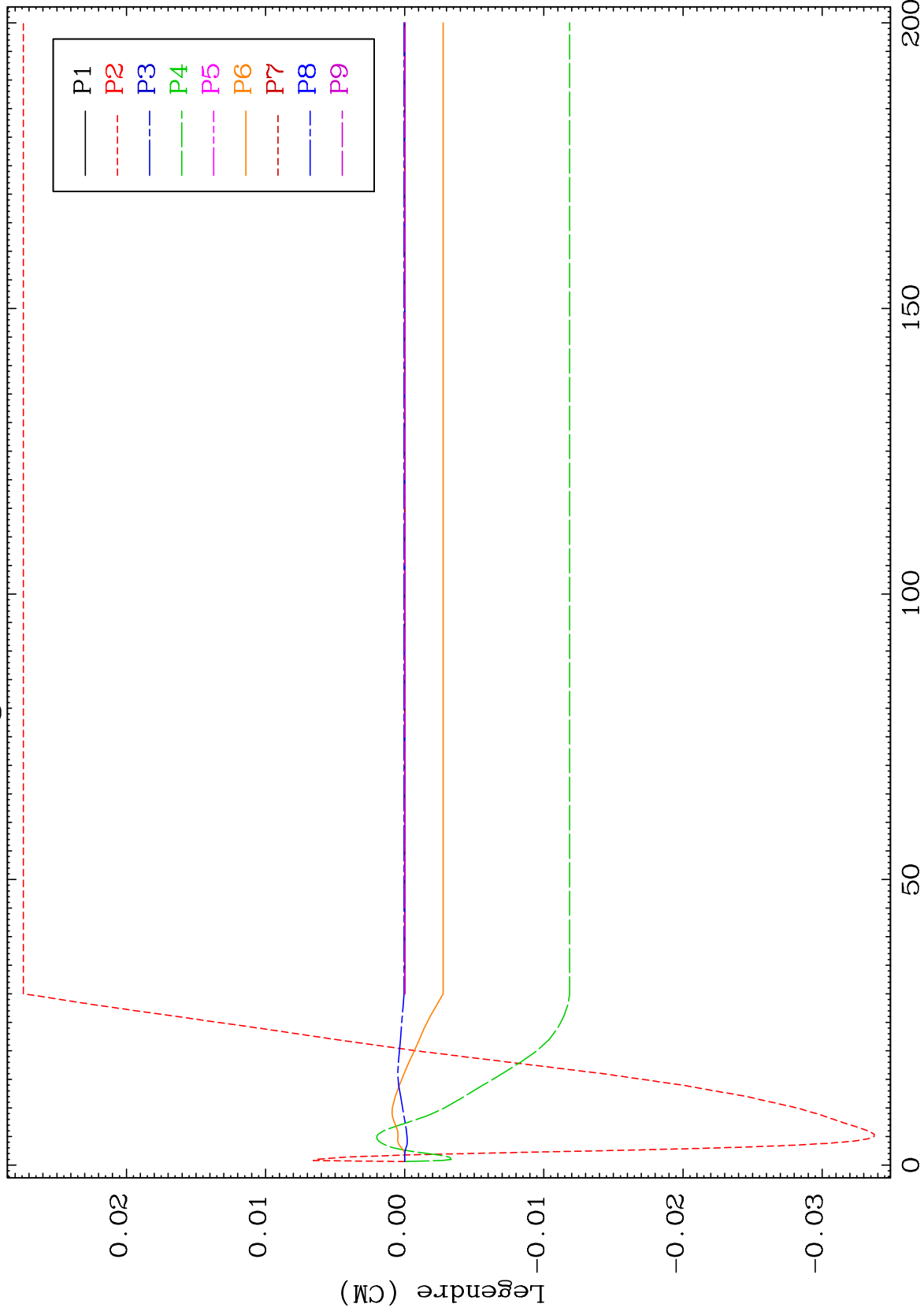
57-La-132



MAT 5707

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

57-La-132



57-La-132

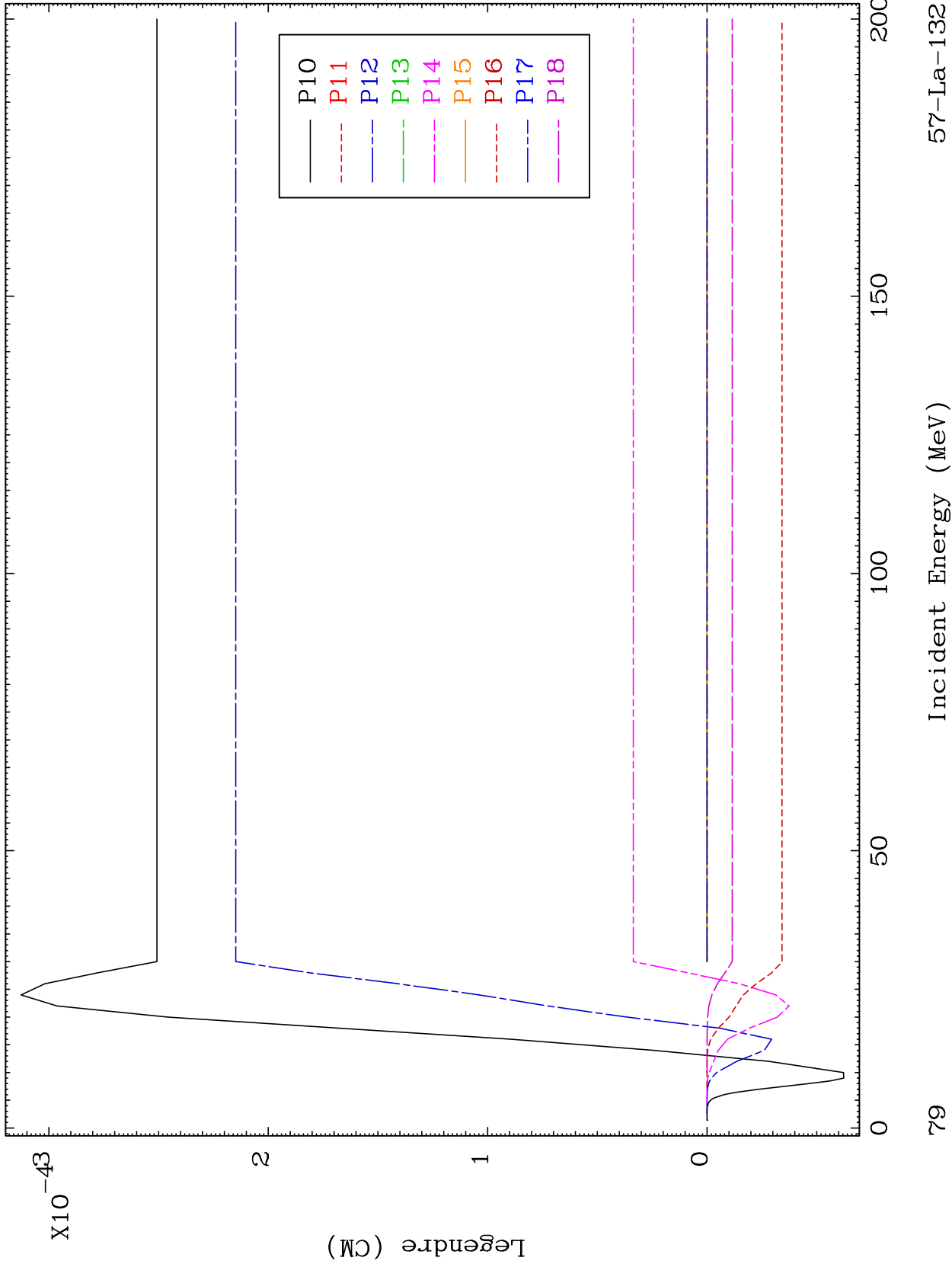
Incident Energy (MeV)

78

MAT 5707

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

57-La-132

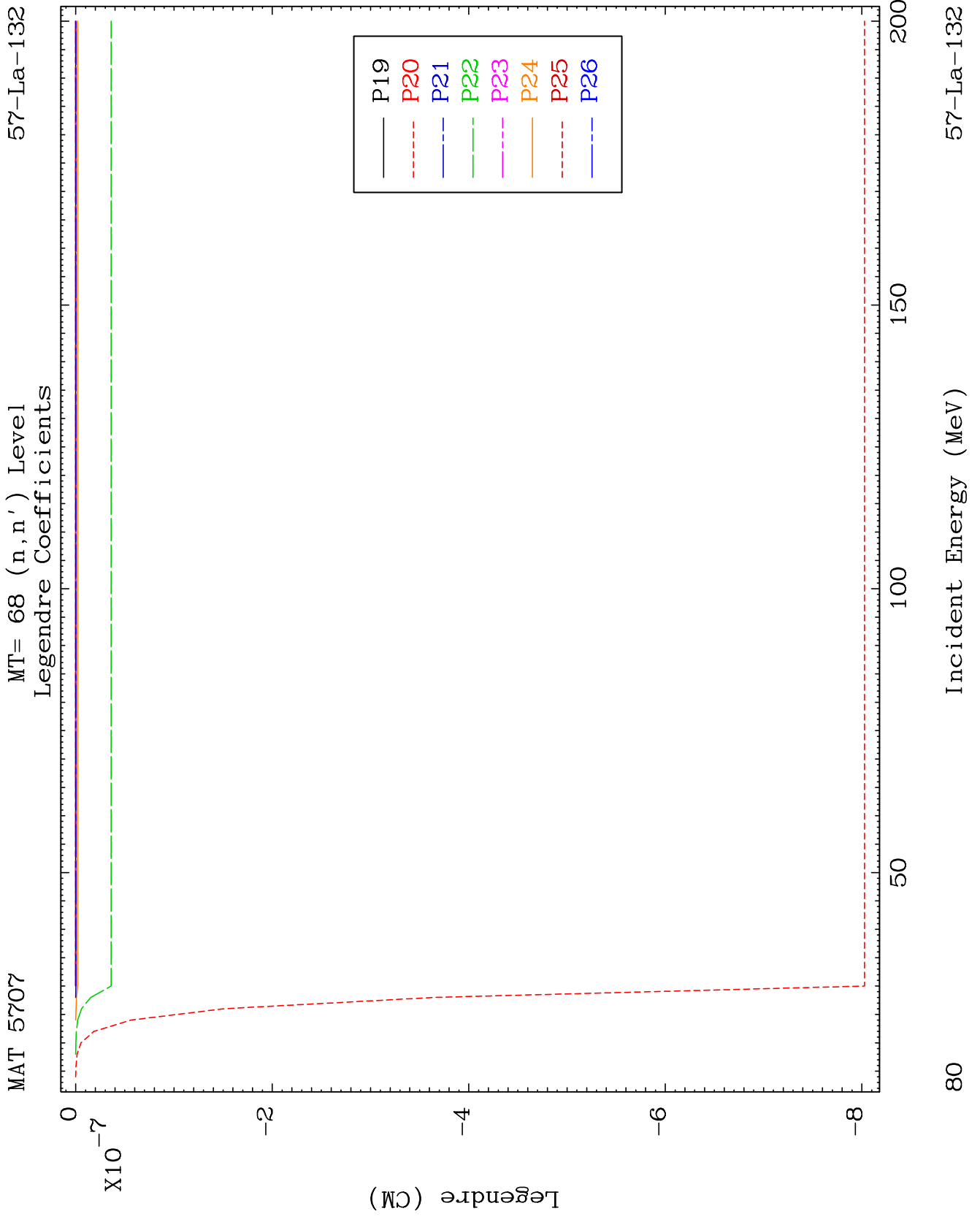


79

Incident Energy (MeV)

57-La-132

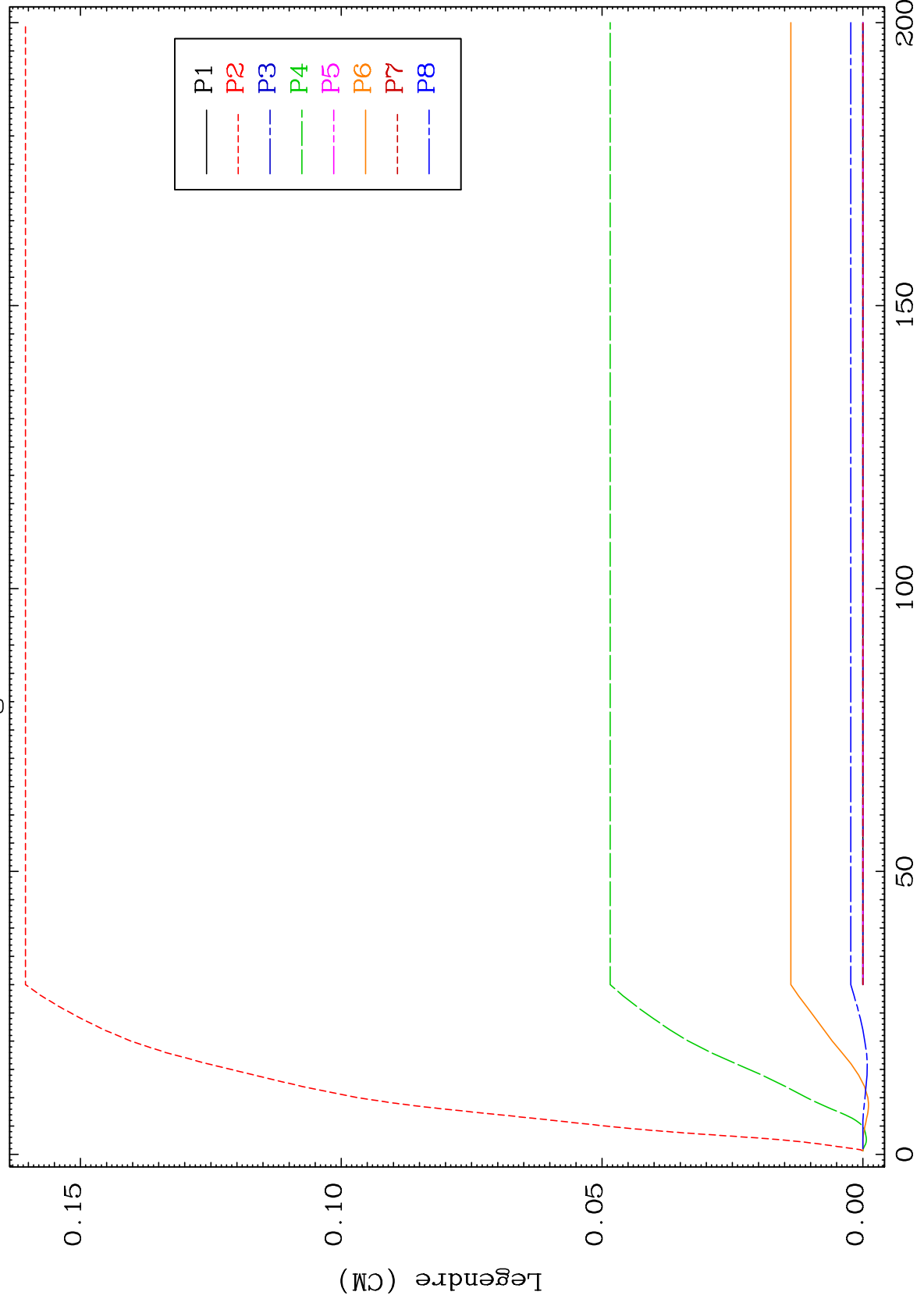




MAT 5707

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

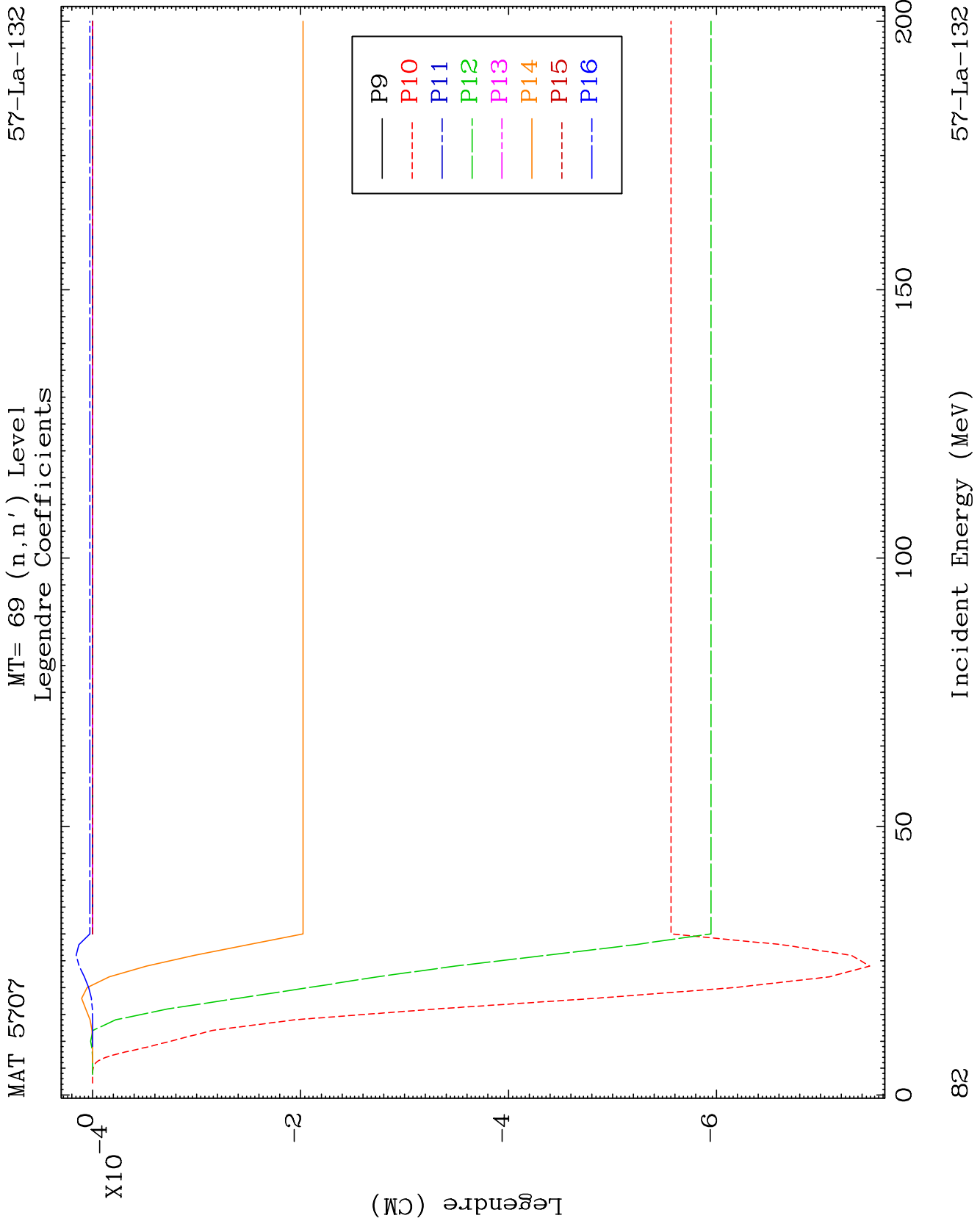
57-La-132

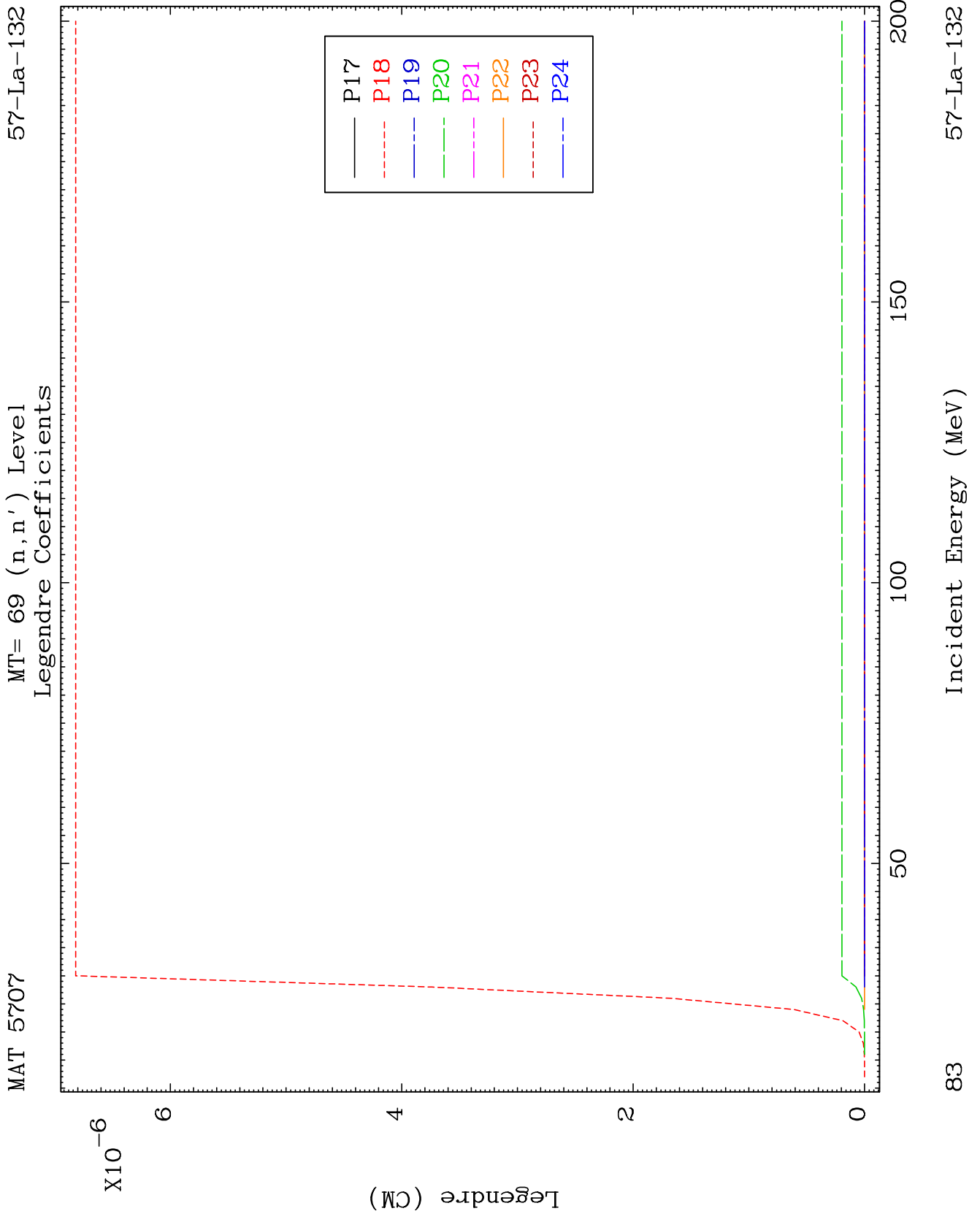


81

Incident Energy (MeV)

57-La-132

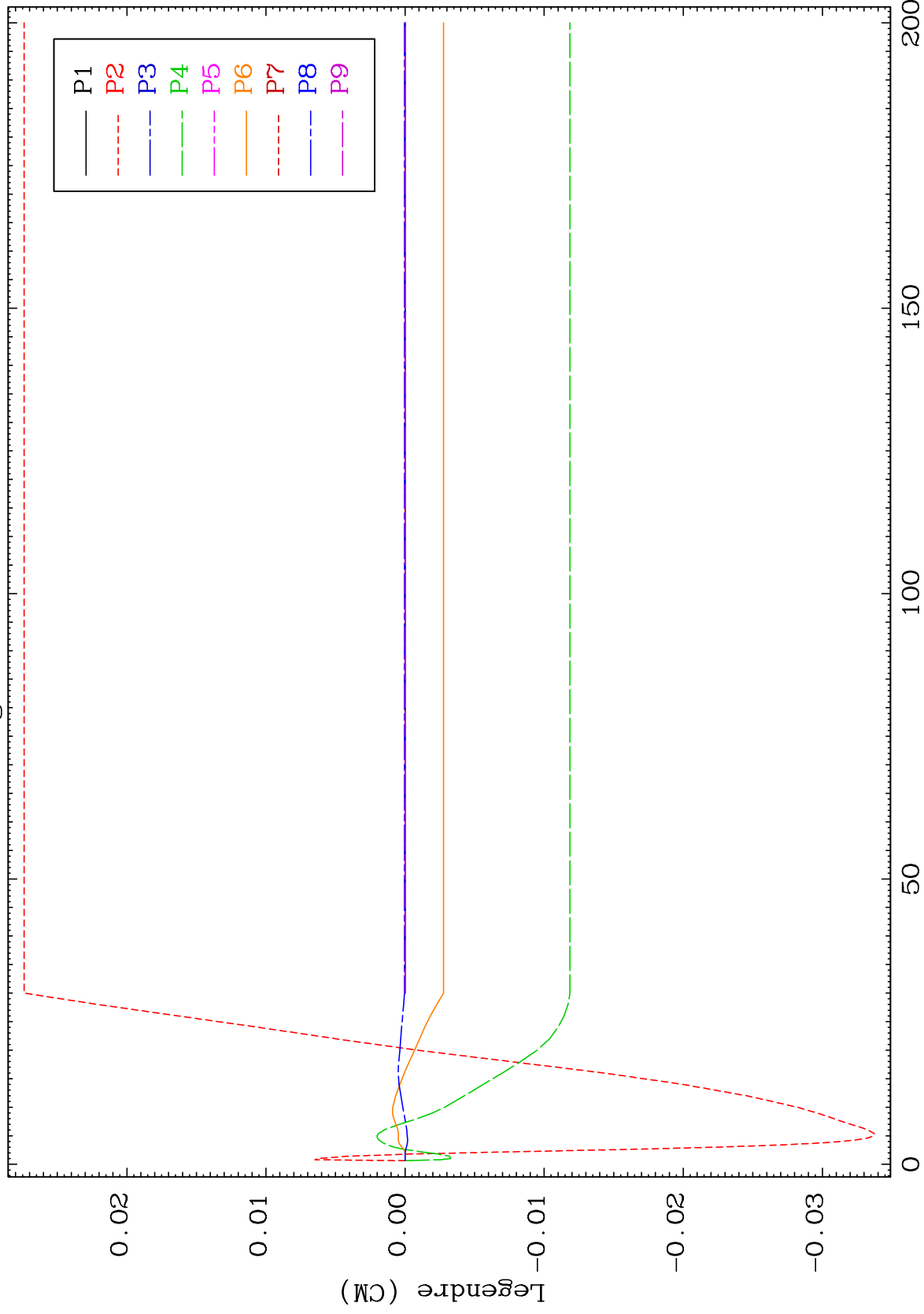




MAT 5707

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

57-La-132



84

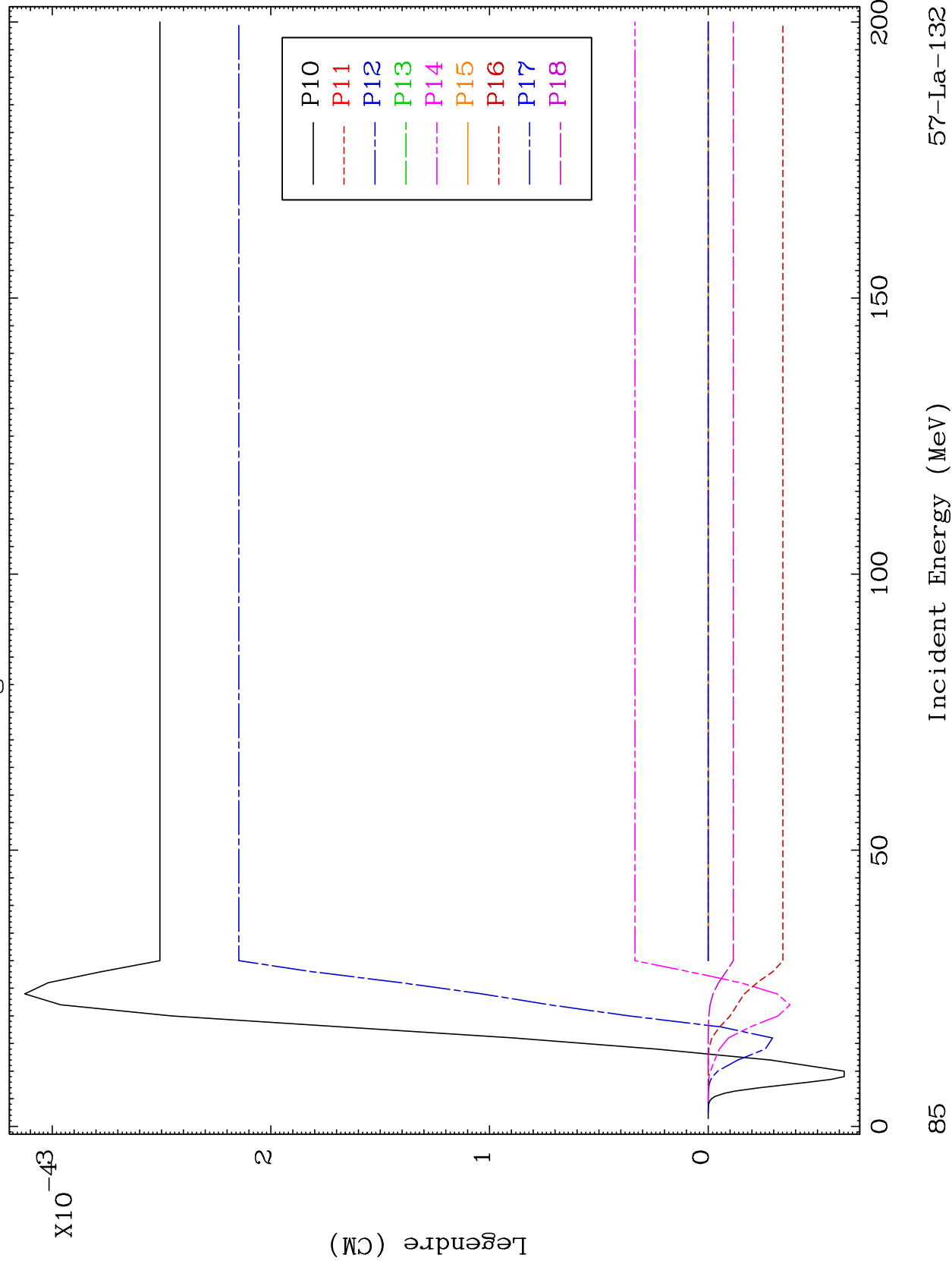
Incident Energy (MeV)

57-La-132

MAT 5707

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

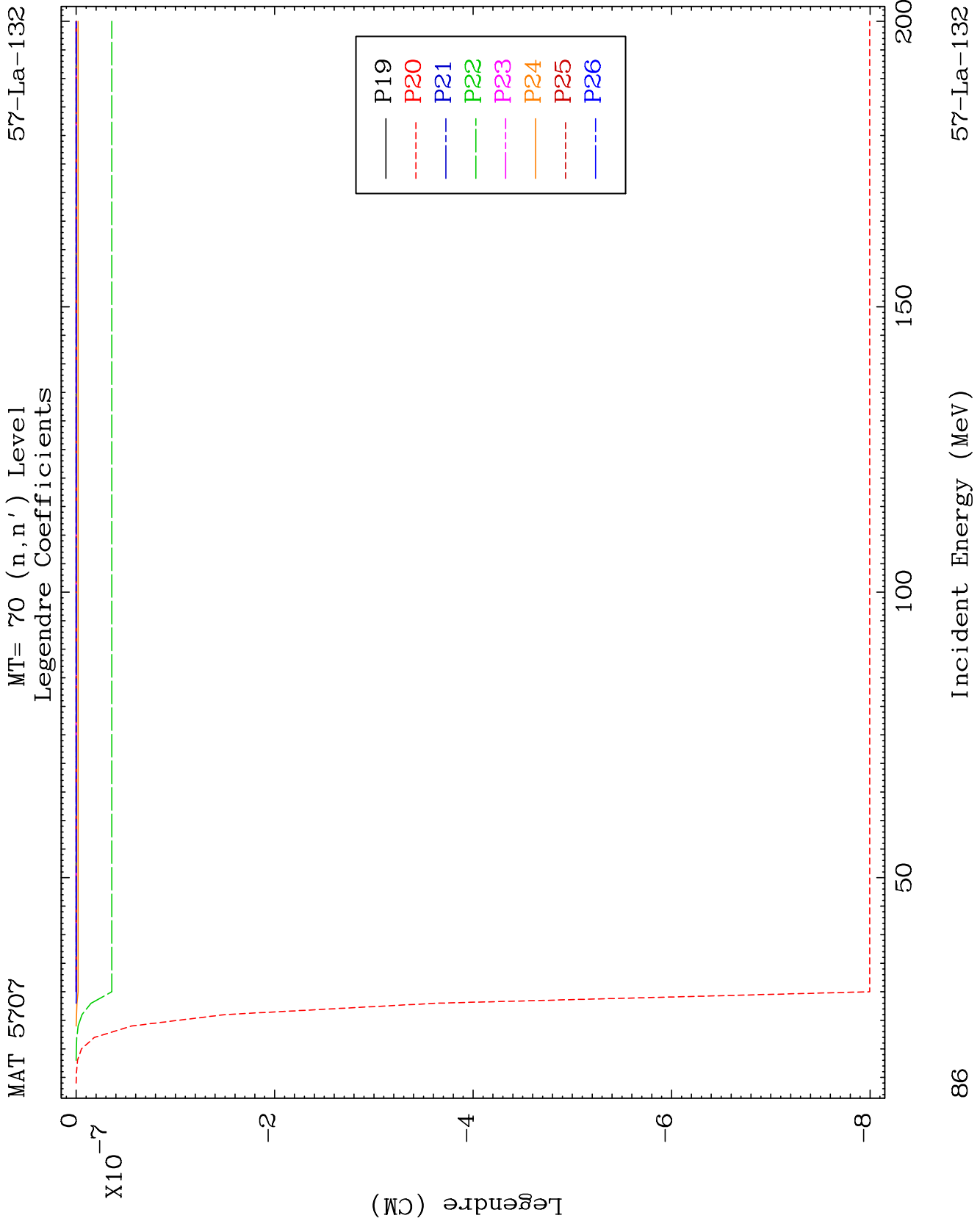
57-La-132

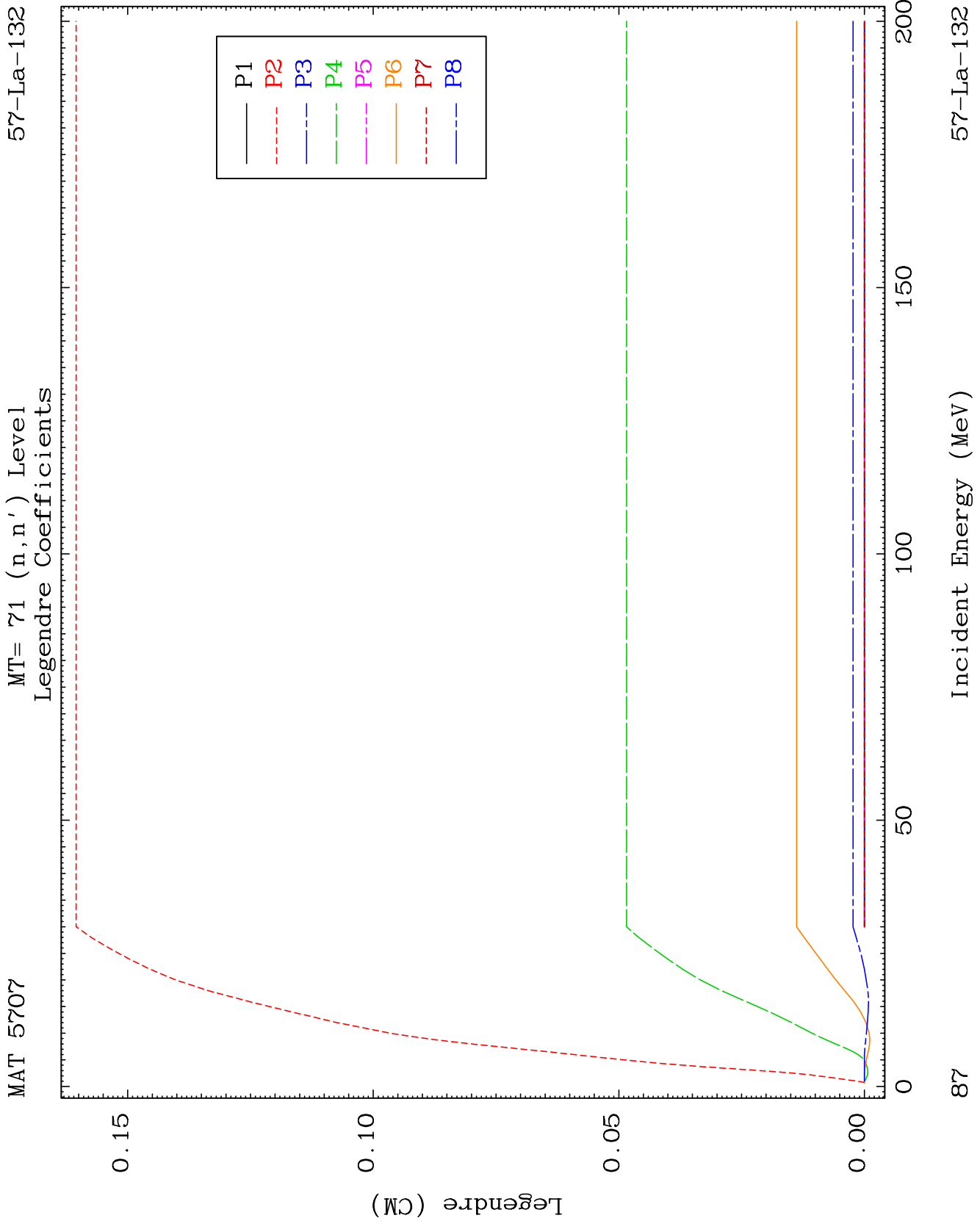


85

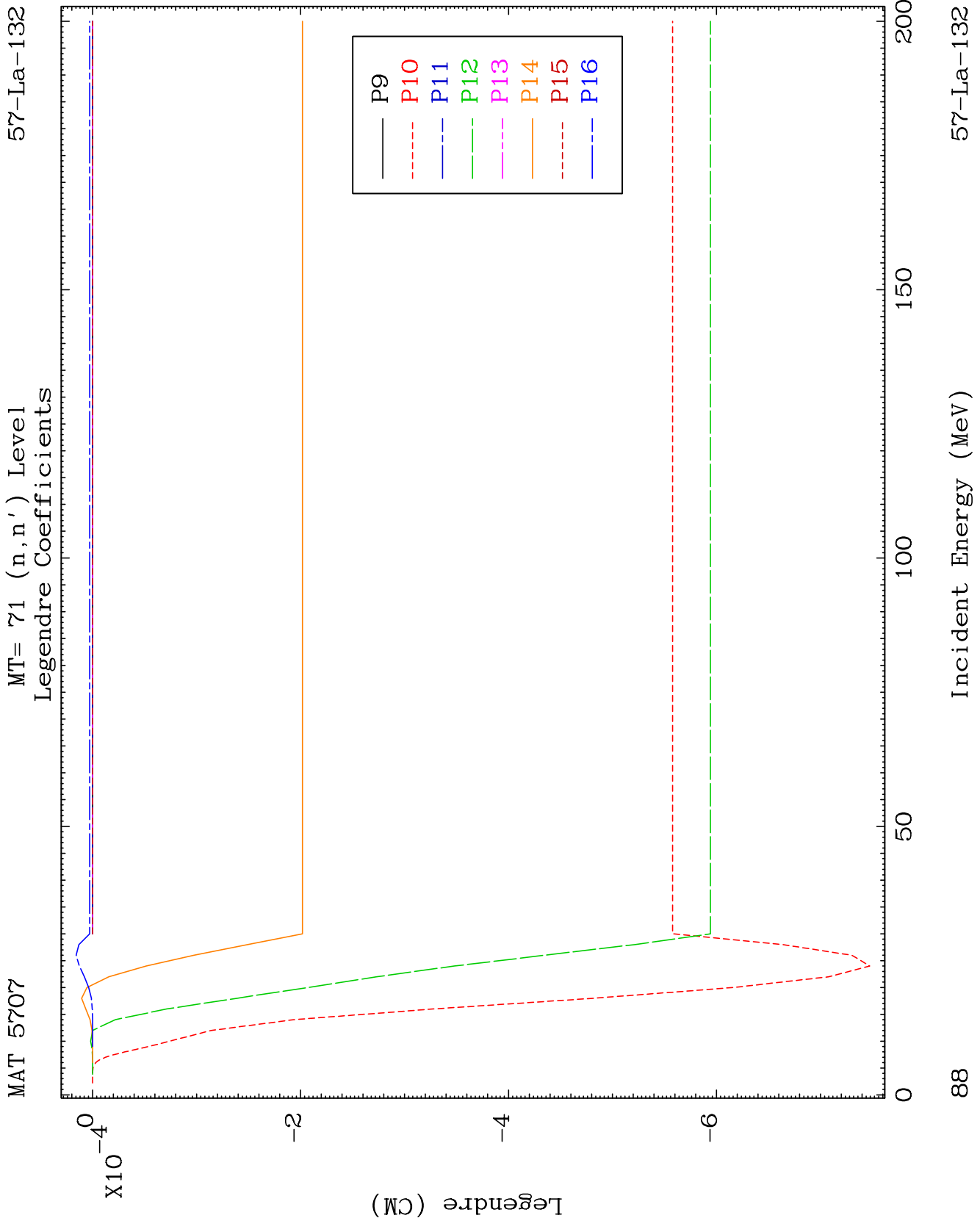
Incident Energy (MeV)

57-La-132





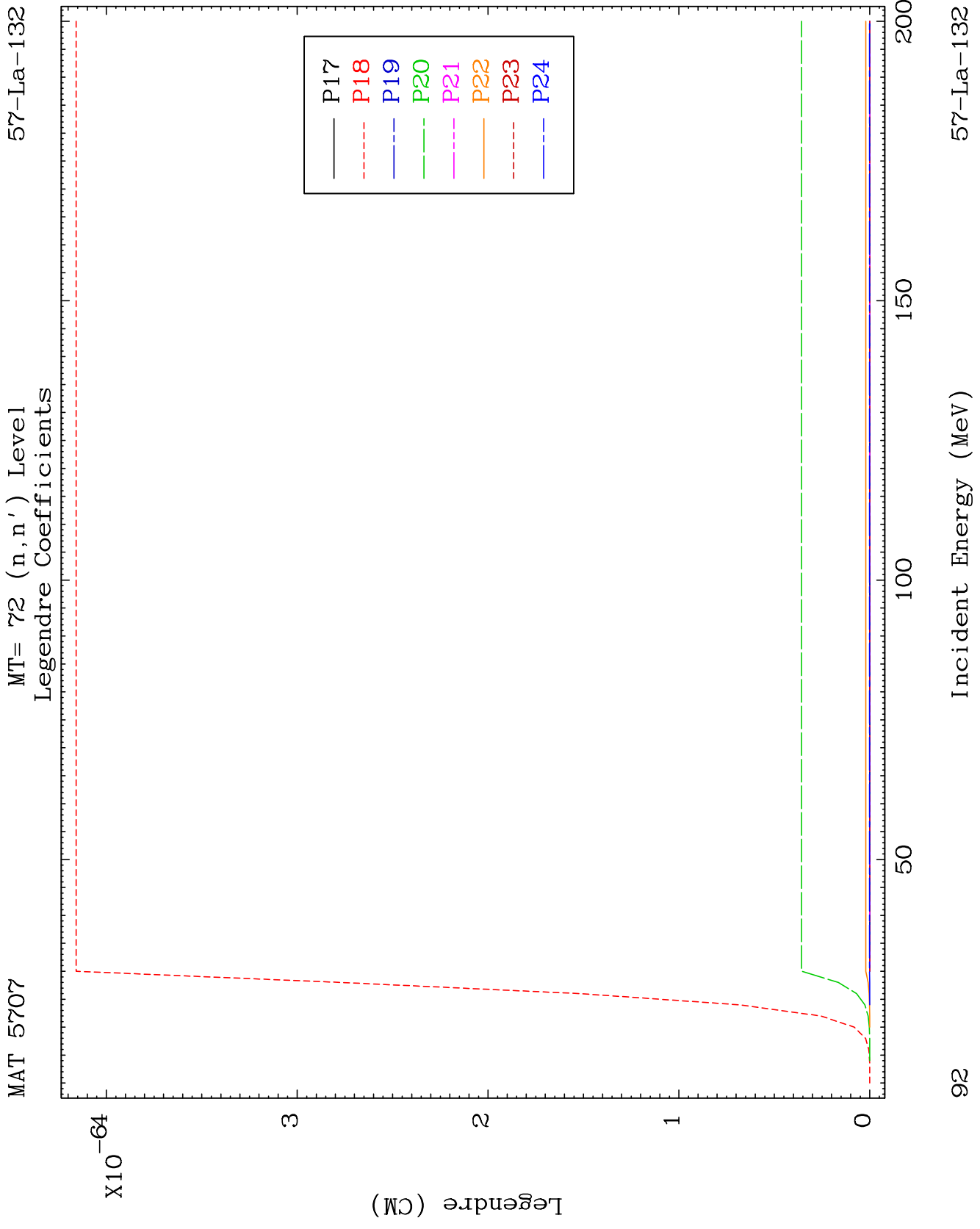








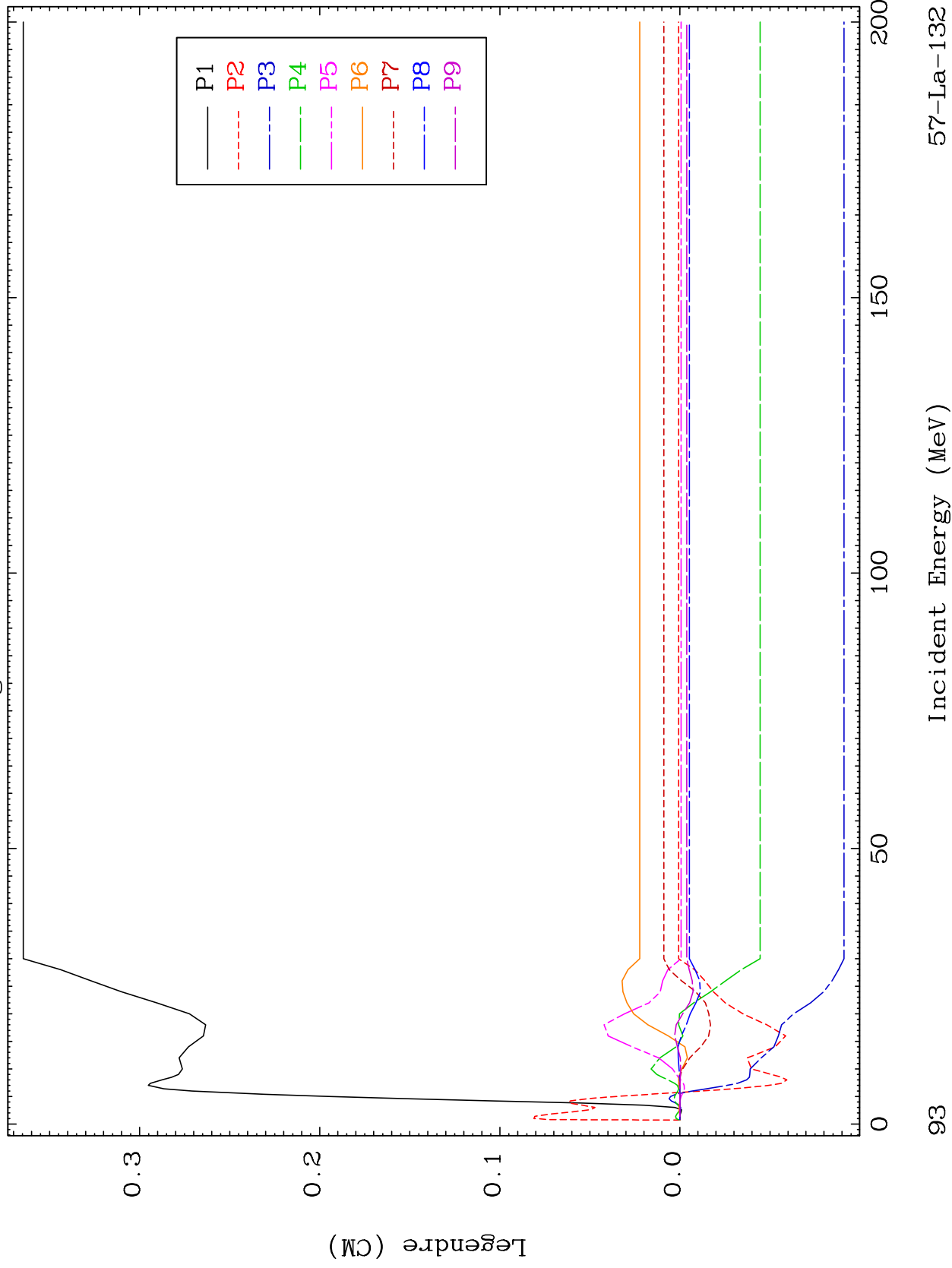




MAT 5707

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

57-La-132



57-La-132

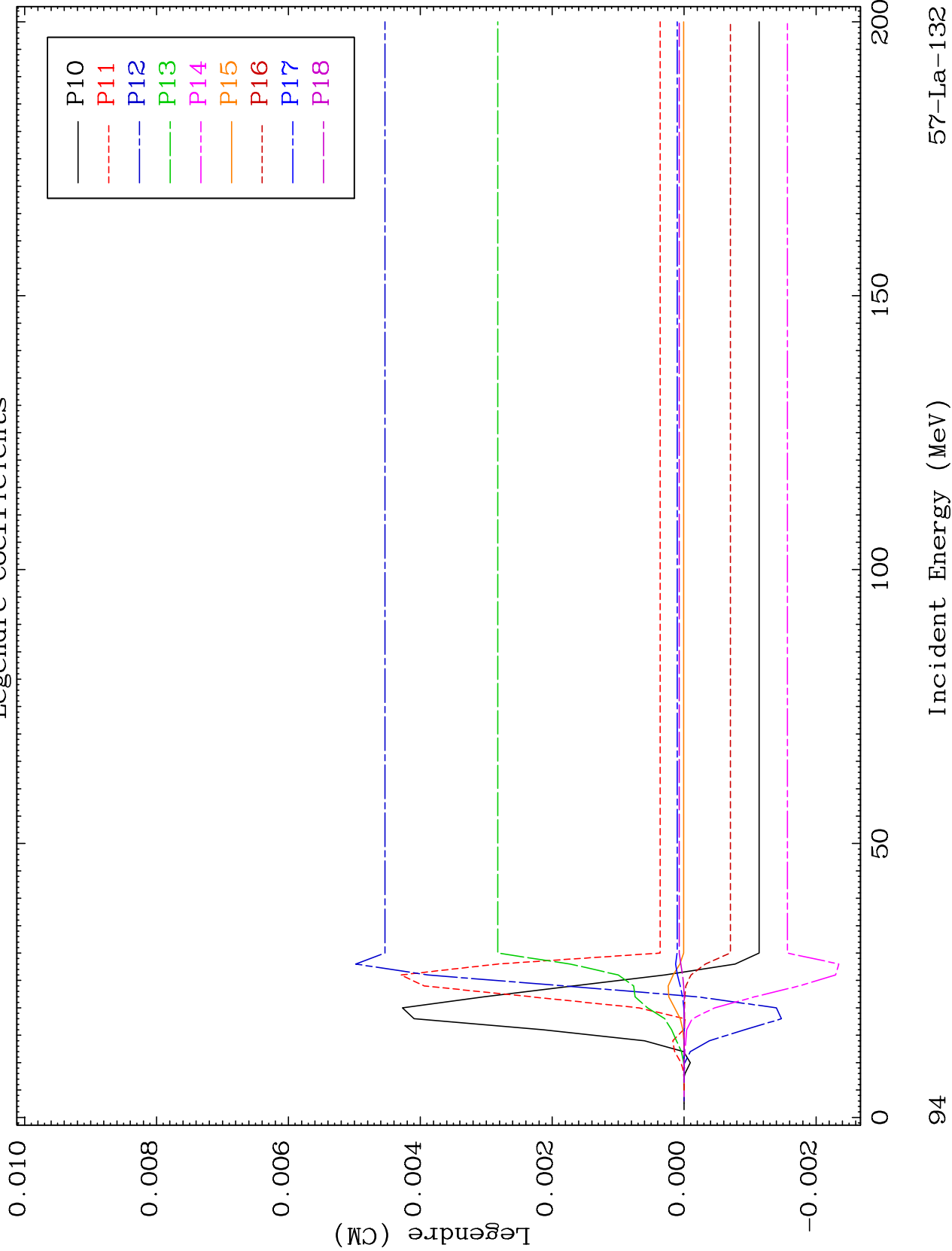
Incident Energy (MeV)

93

MAT 5707

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

57-La-132



57-La-132

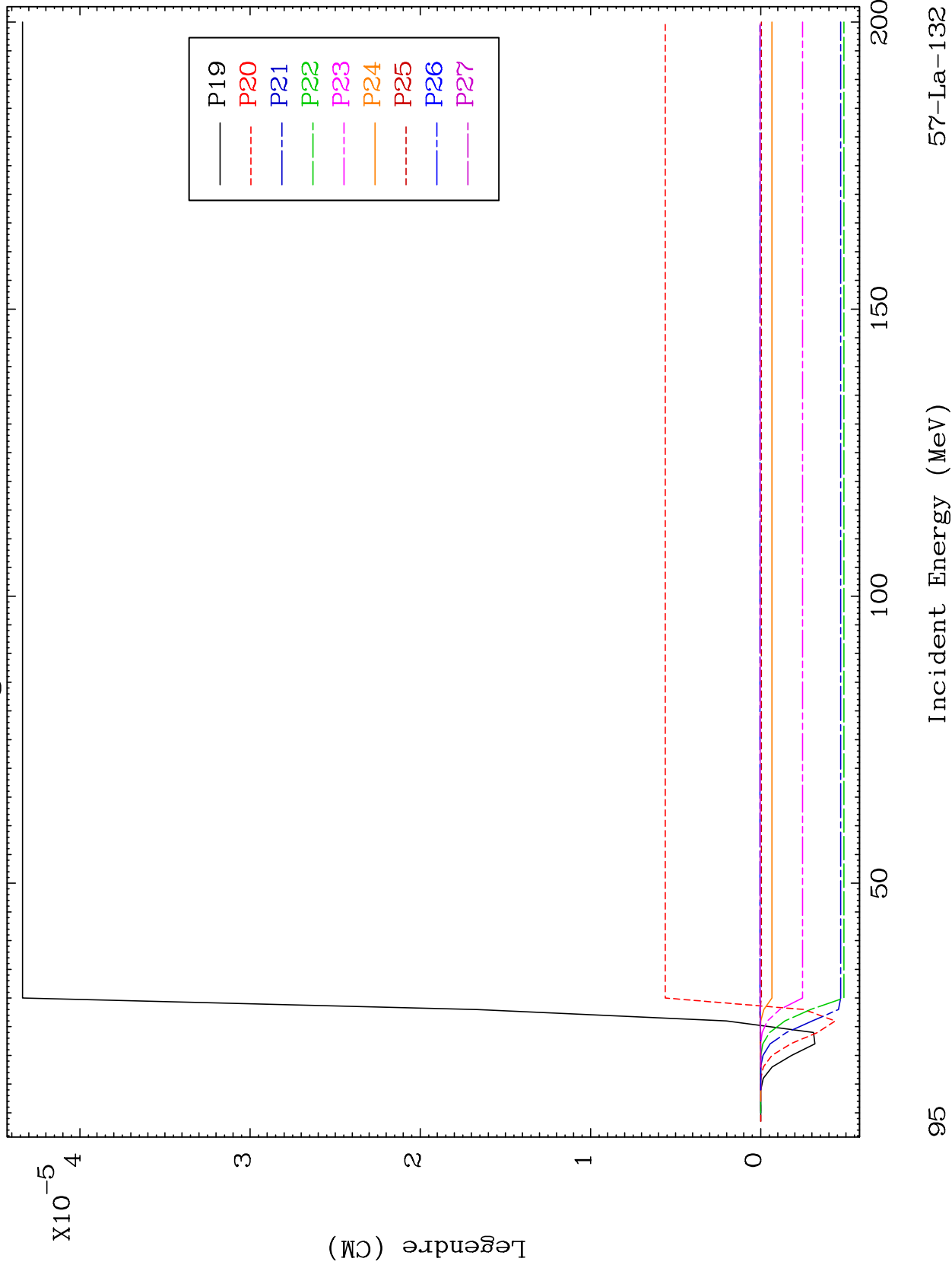
Incident Energy (MeV)

94

MAT 5707

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

57-La-132

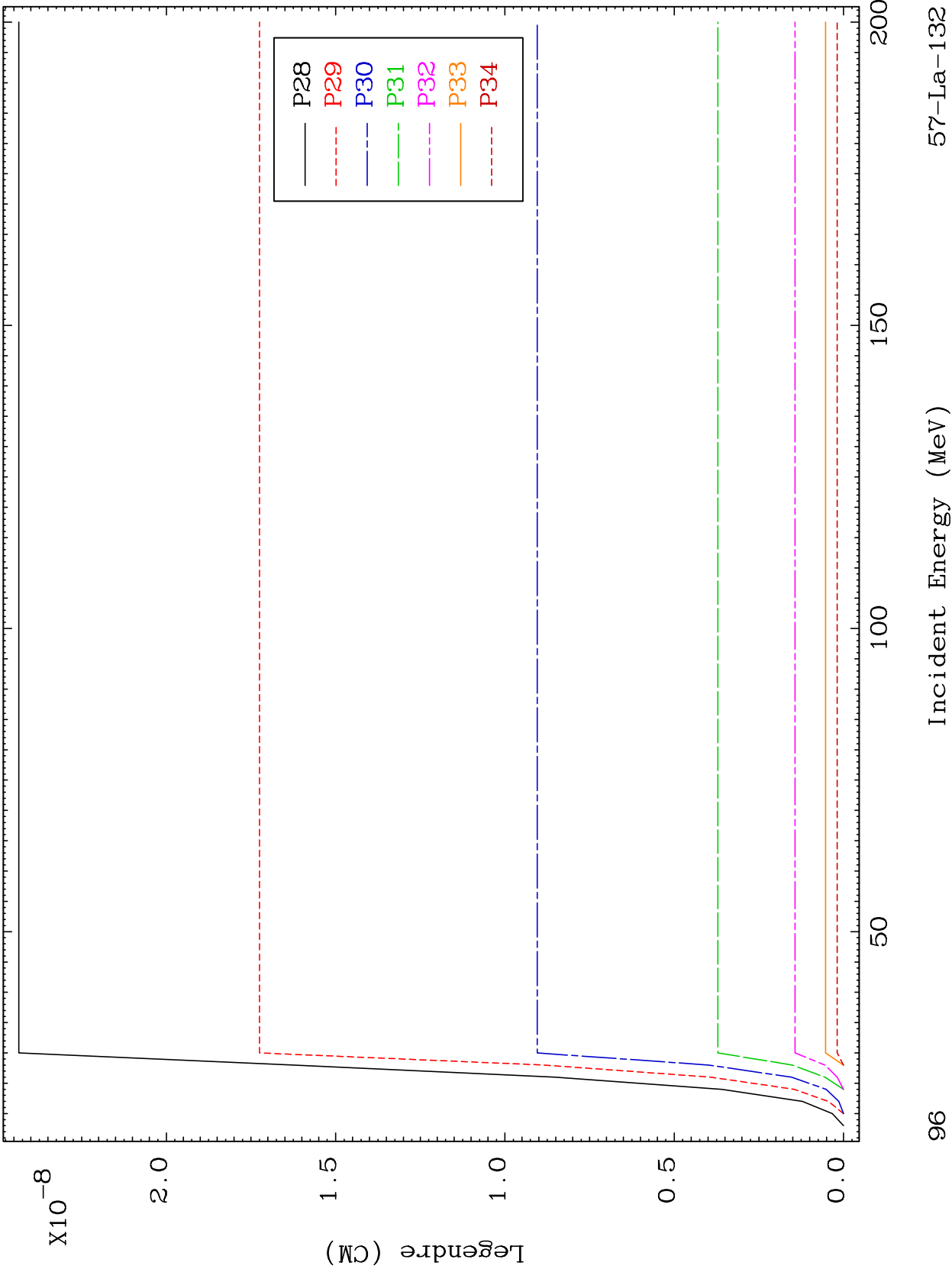


95

Incident Energy (MeV)

57-La-132

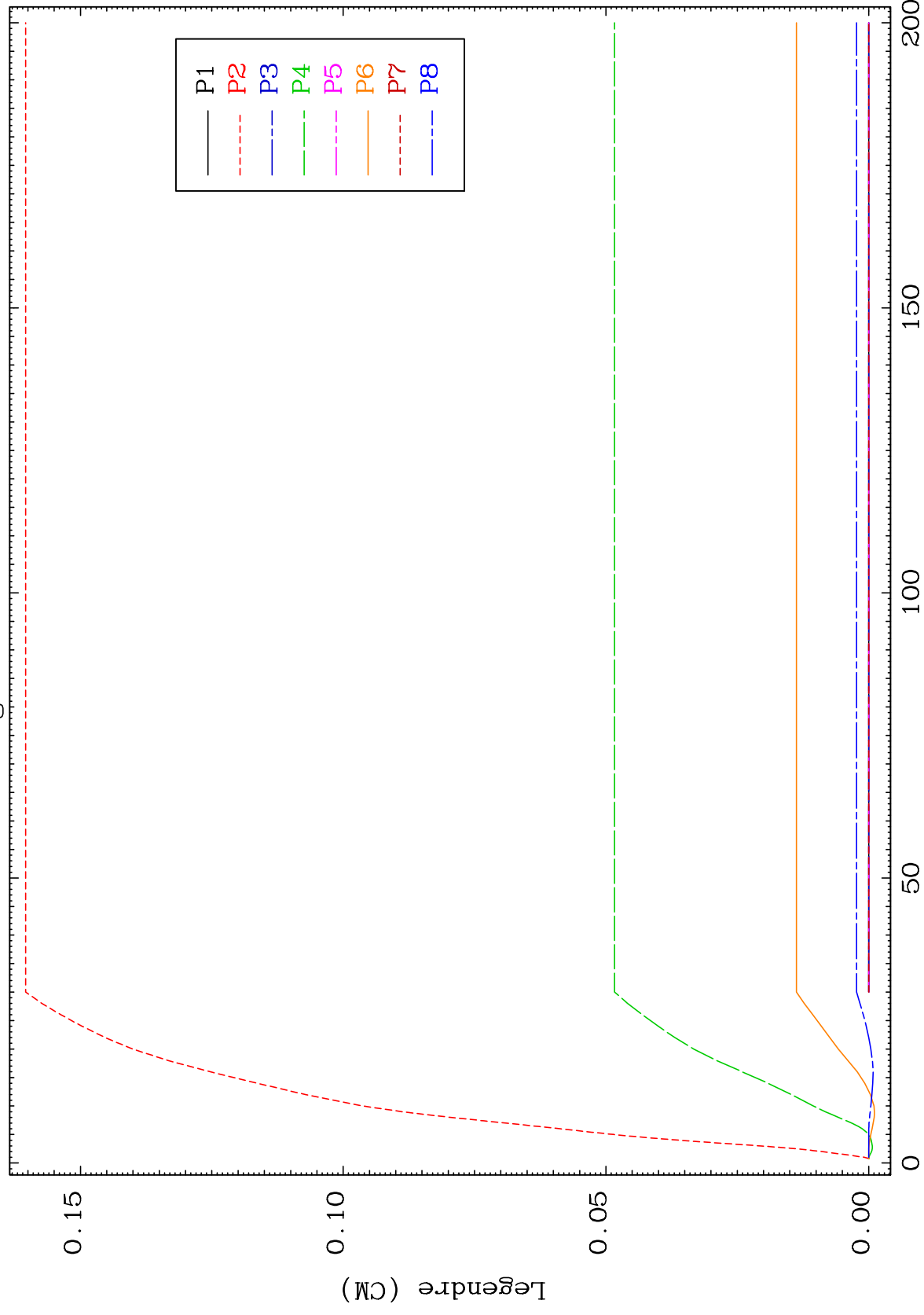




MAT 5707

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

57-La-132



97

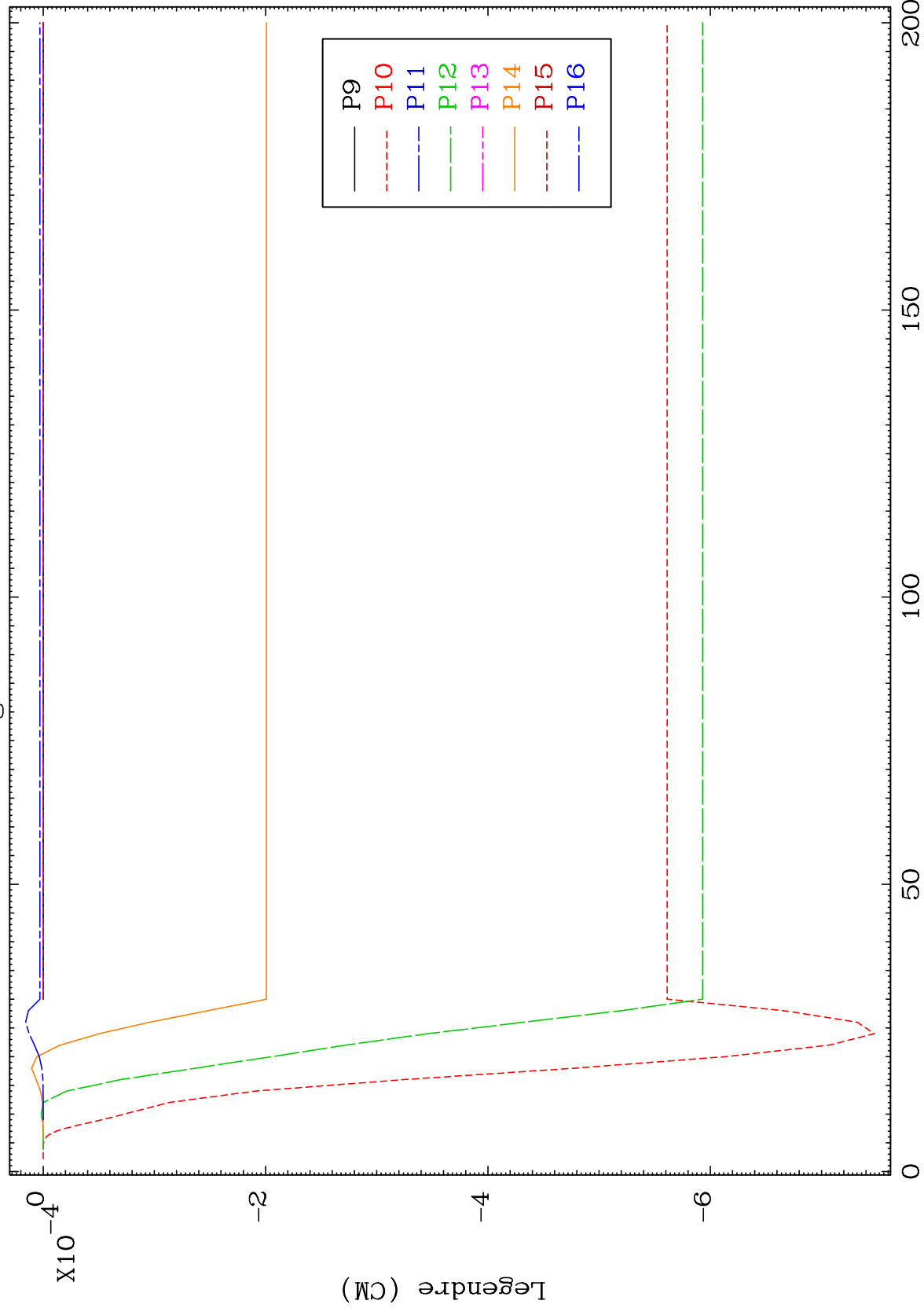
Incident Energy (MeV)

57-La-132

MAT 5707

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

57-La-132



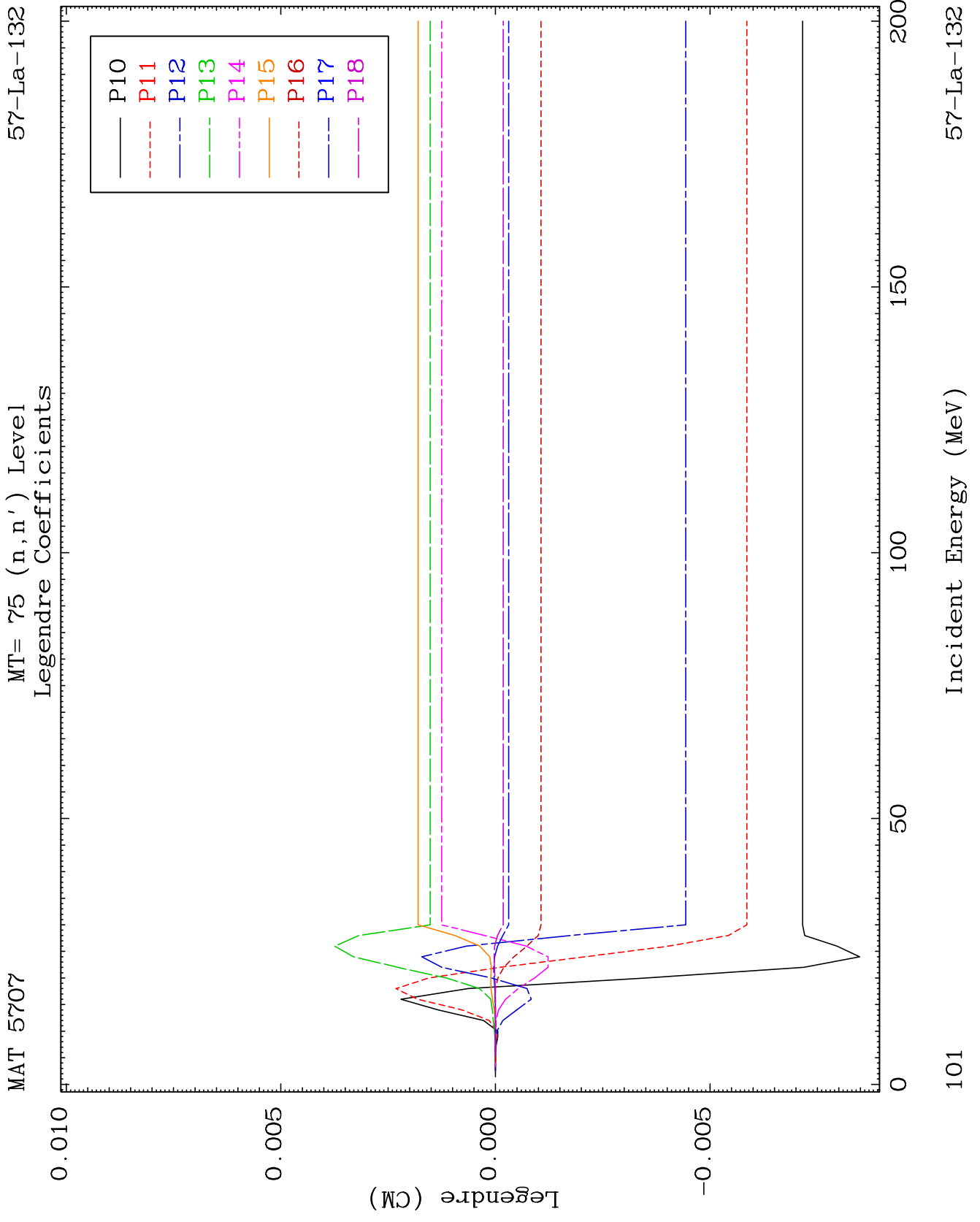
98

Incident Energy (MeV)

57-La-132







57-La-132

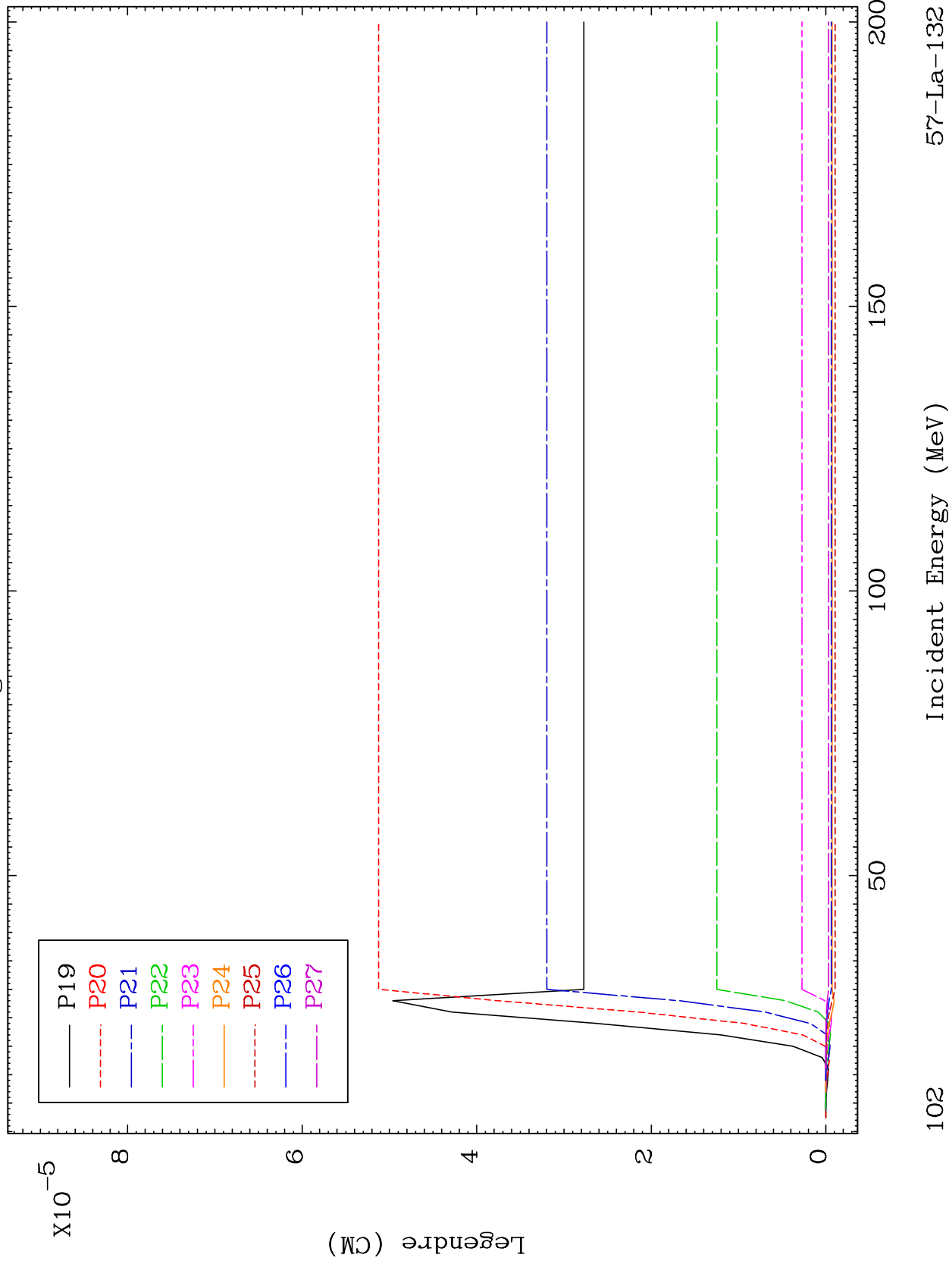
Incident Energy (MeV)

101

MAT 5707

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

57-La-132



102

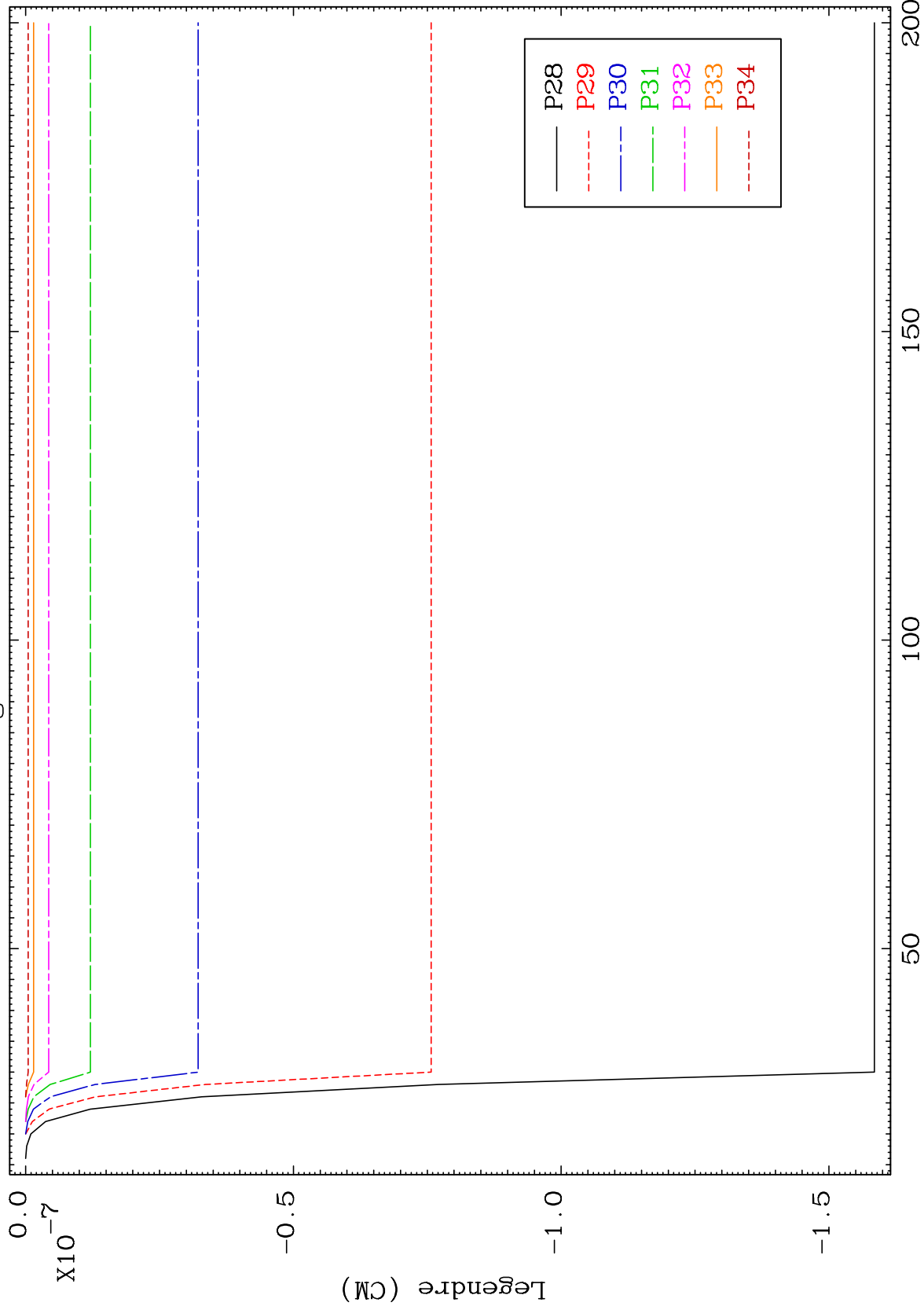
57-La-132

MAT 5707

MT= 75 (n,n') Level

57-La-132

Legendre Coefficients

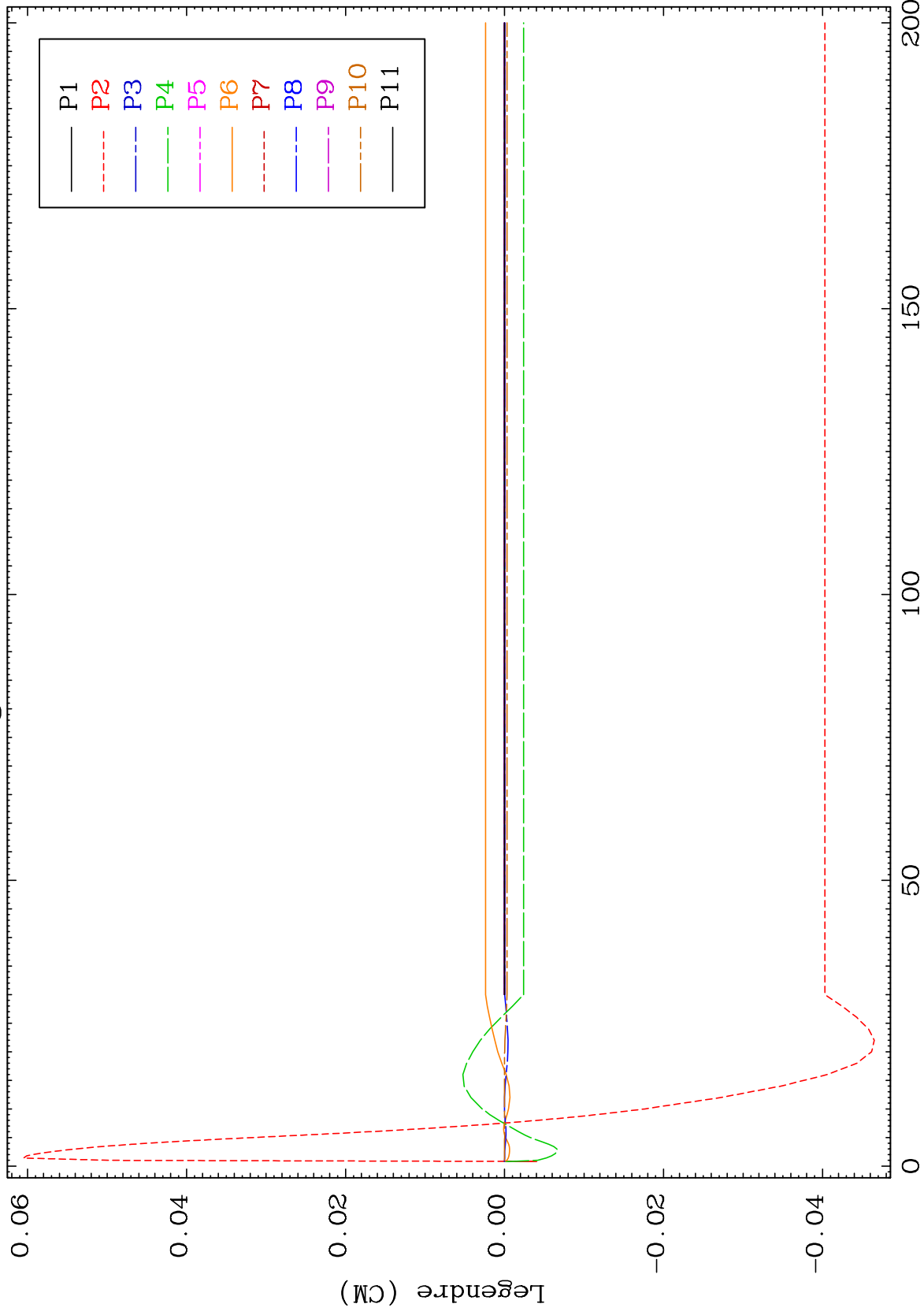




MAT 5707

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

57-La-132



104

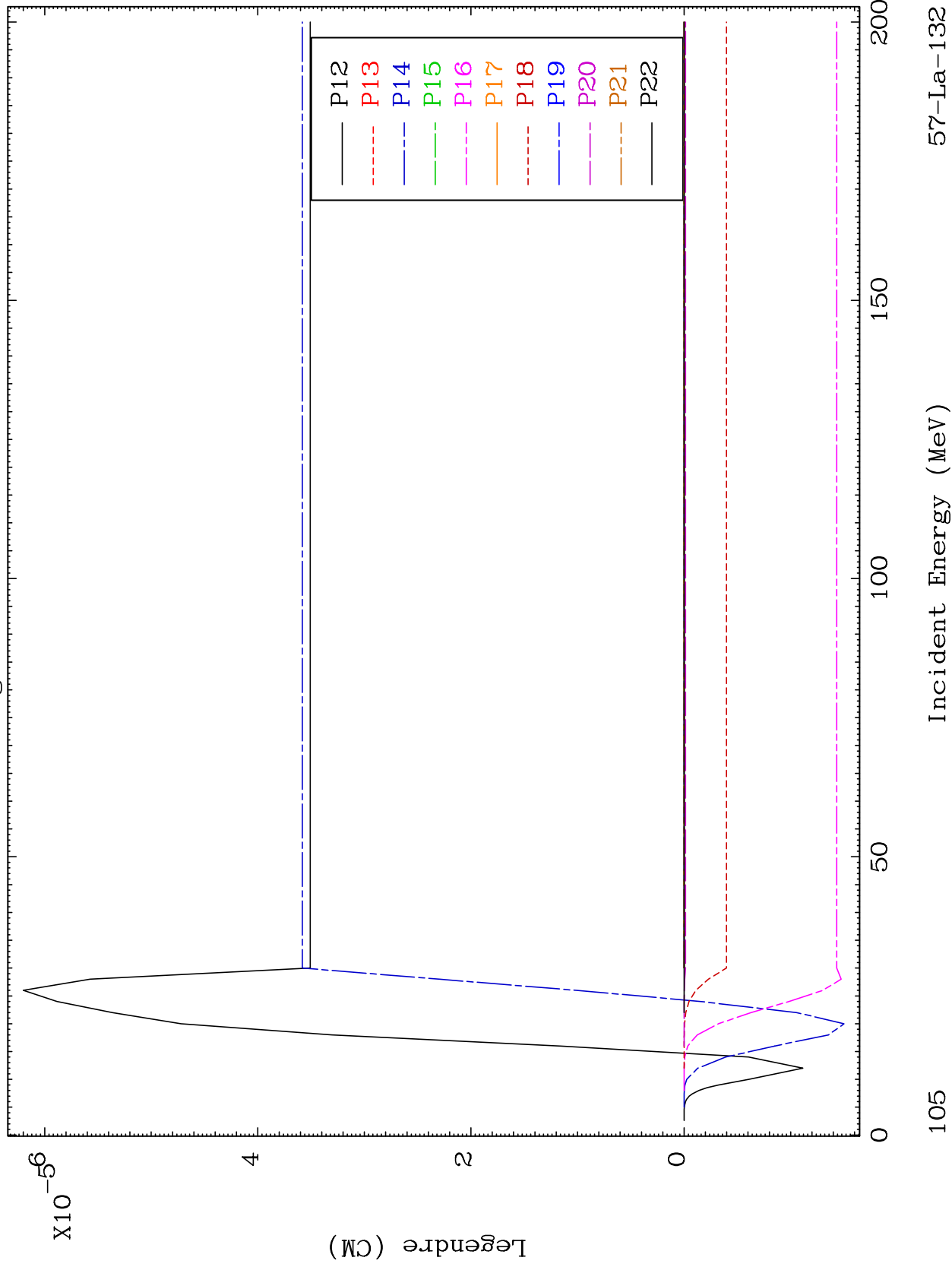
Incident Energy (MeV)

57-La-132

MAT 5707

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

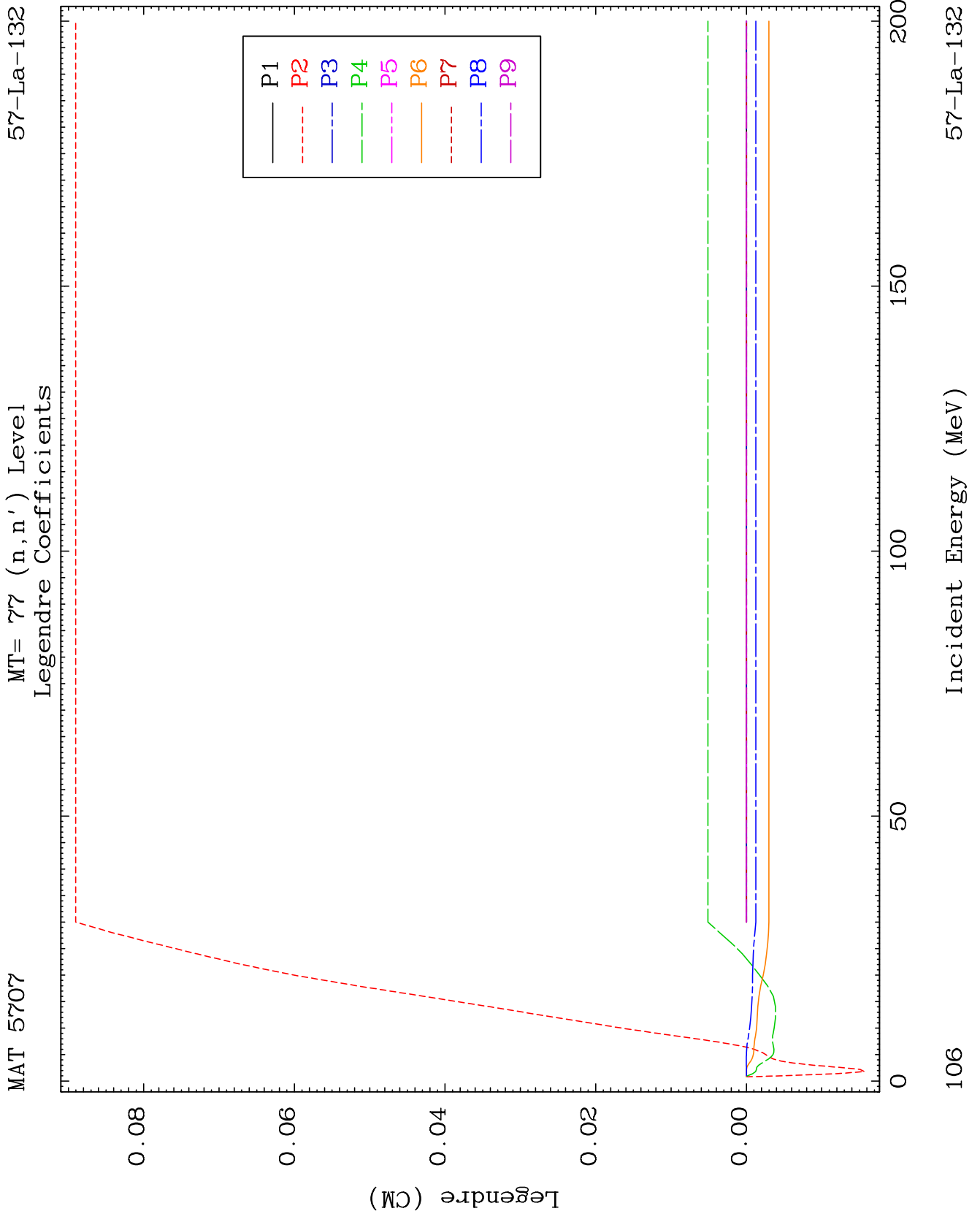
57-La-132



57-La-132

Incident Energy (MeV)

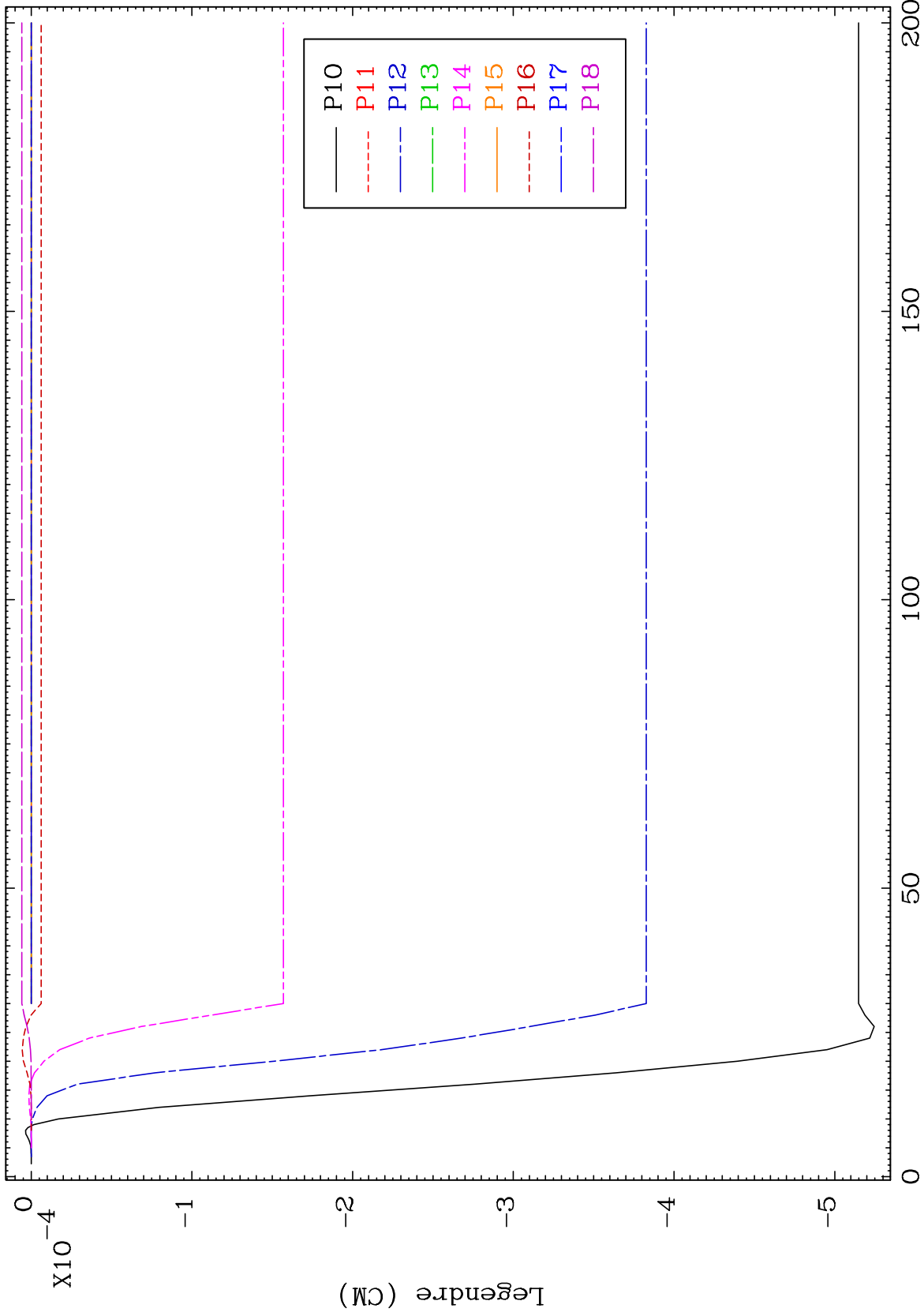
105



MAT 5707

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

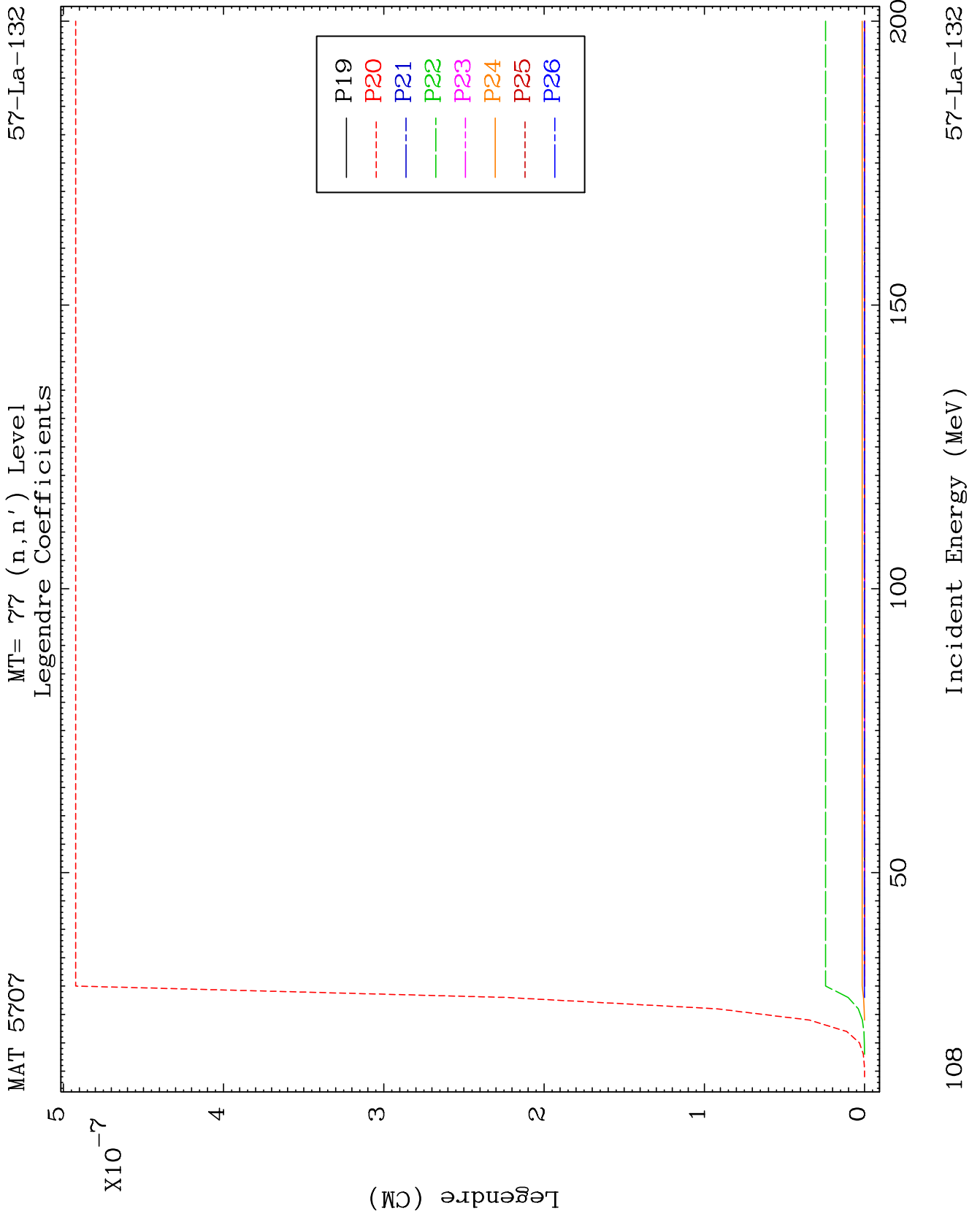
57-La-132



107

Incident Energy (MeV)

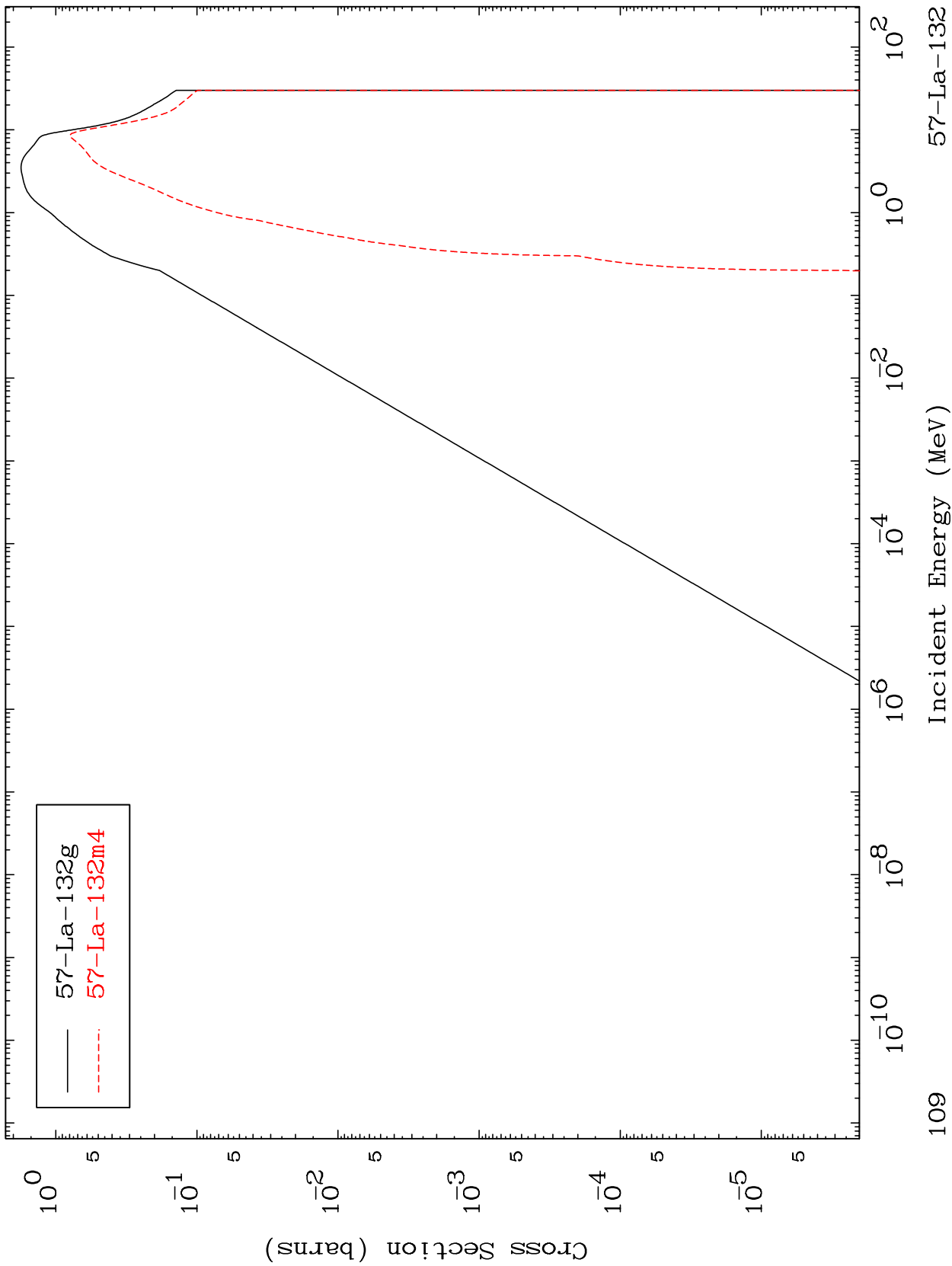
57-La-132



MAT 5707

Inelastic  
Radionuclide Production Cross Section

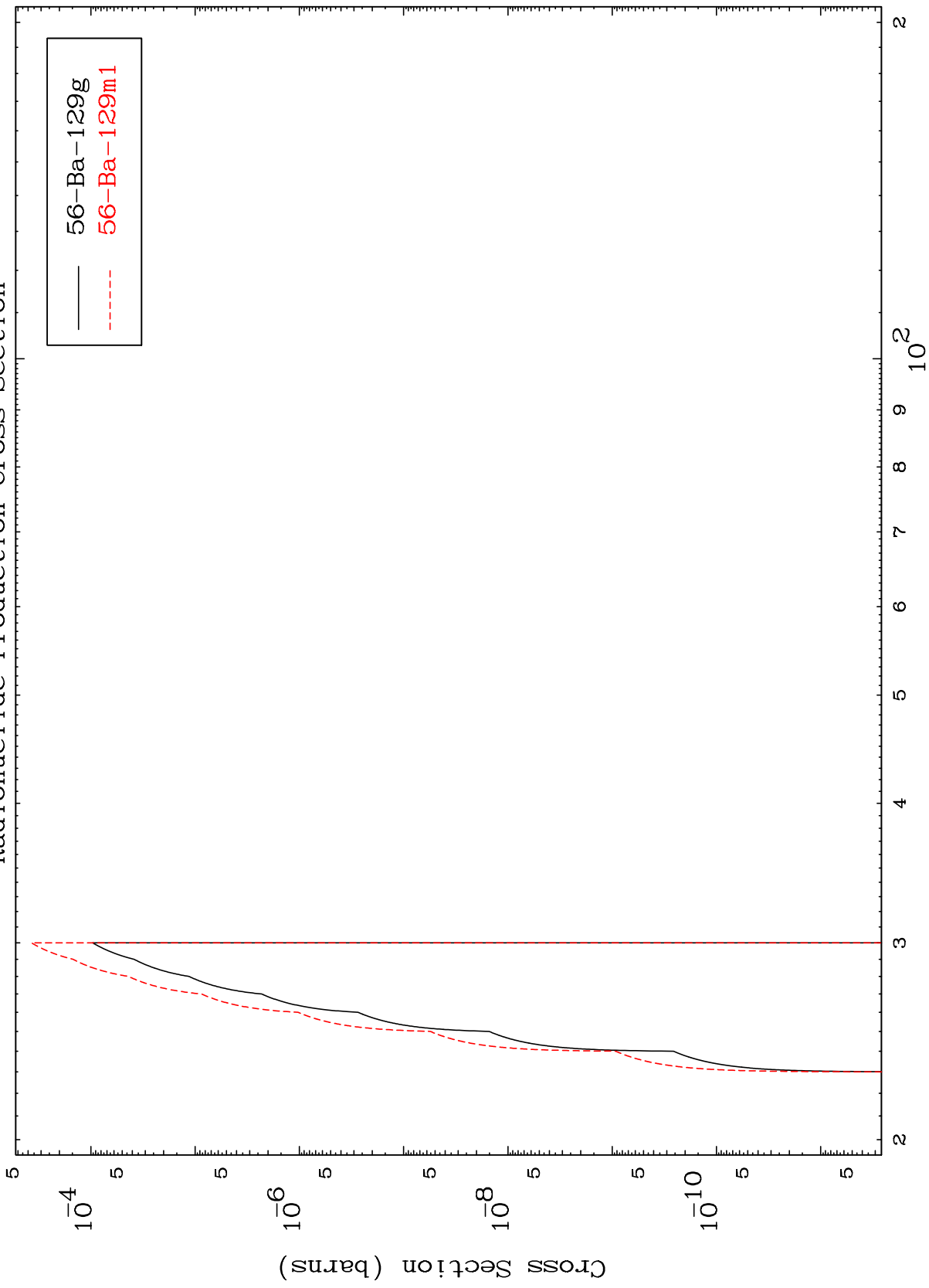
57-La-132



MAT 5707

57-La-132

(n,2n) d  
Radionuclide Production Cross Section



110

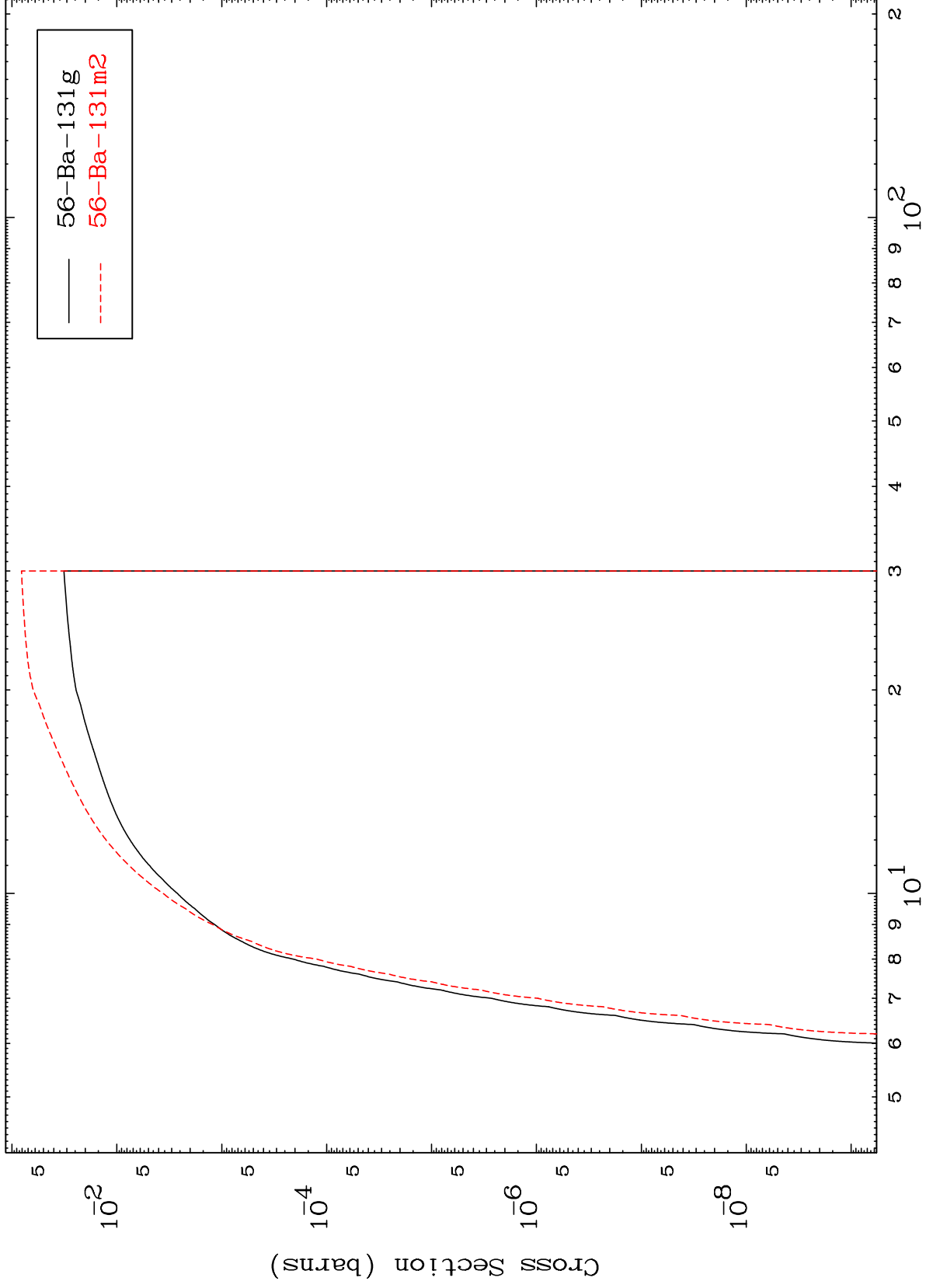
Incident Energy (MeV)

57-La-132

MAT 5707

57-La-132

(n,n') p  
Radionuclide Production Cross Section

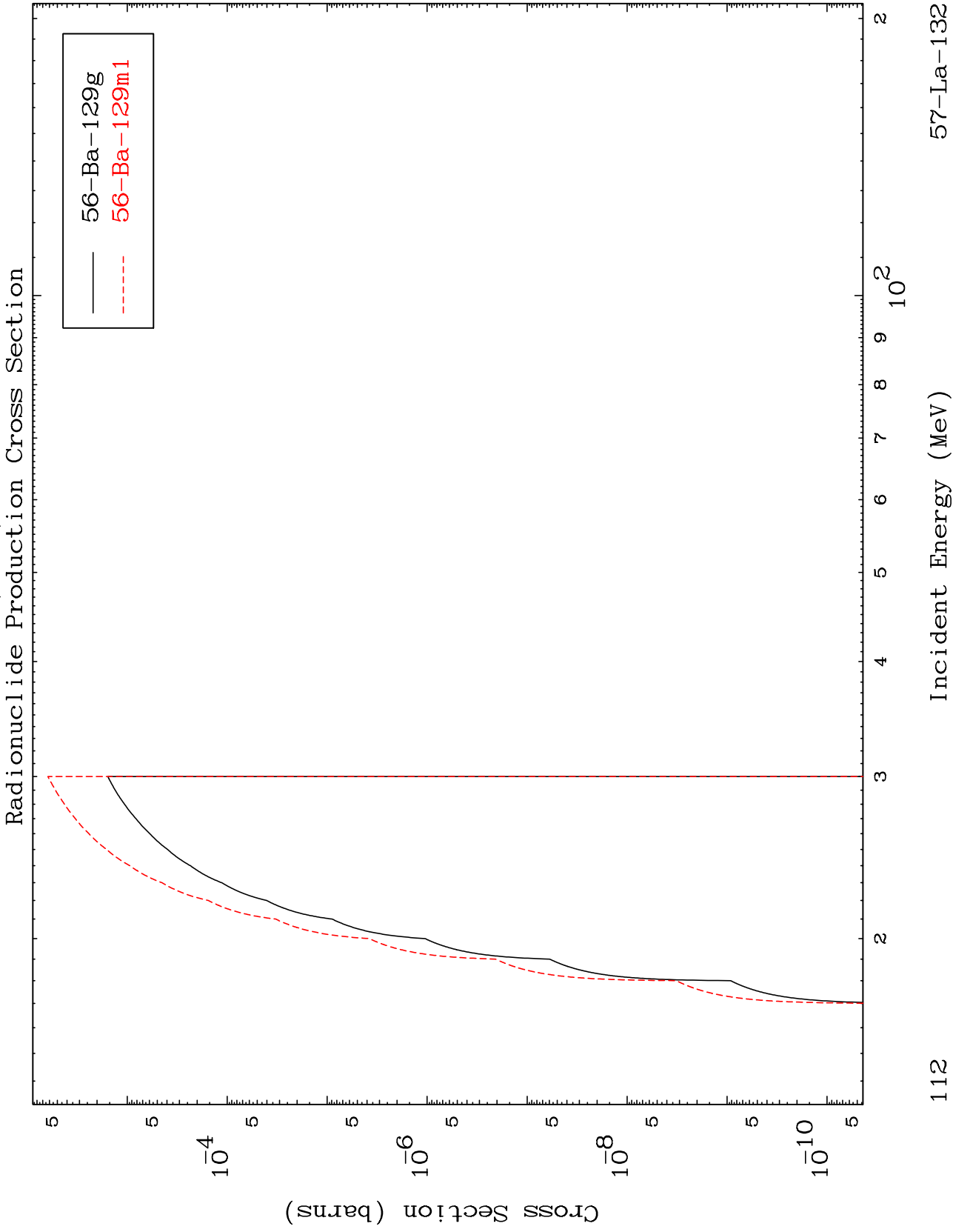


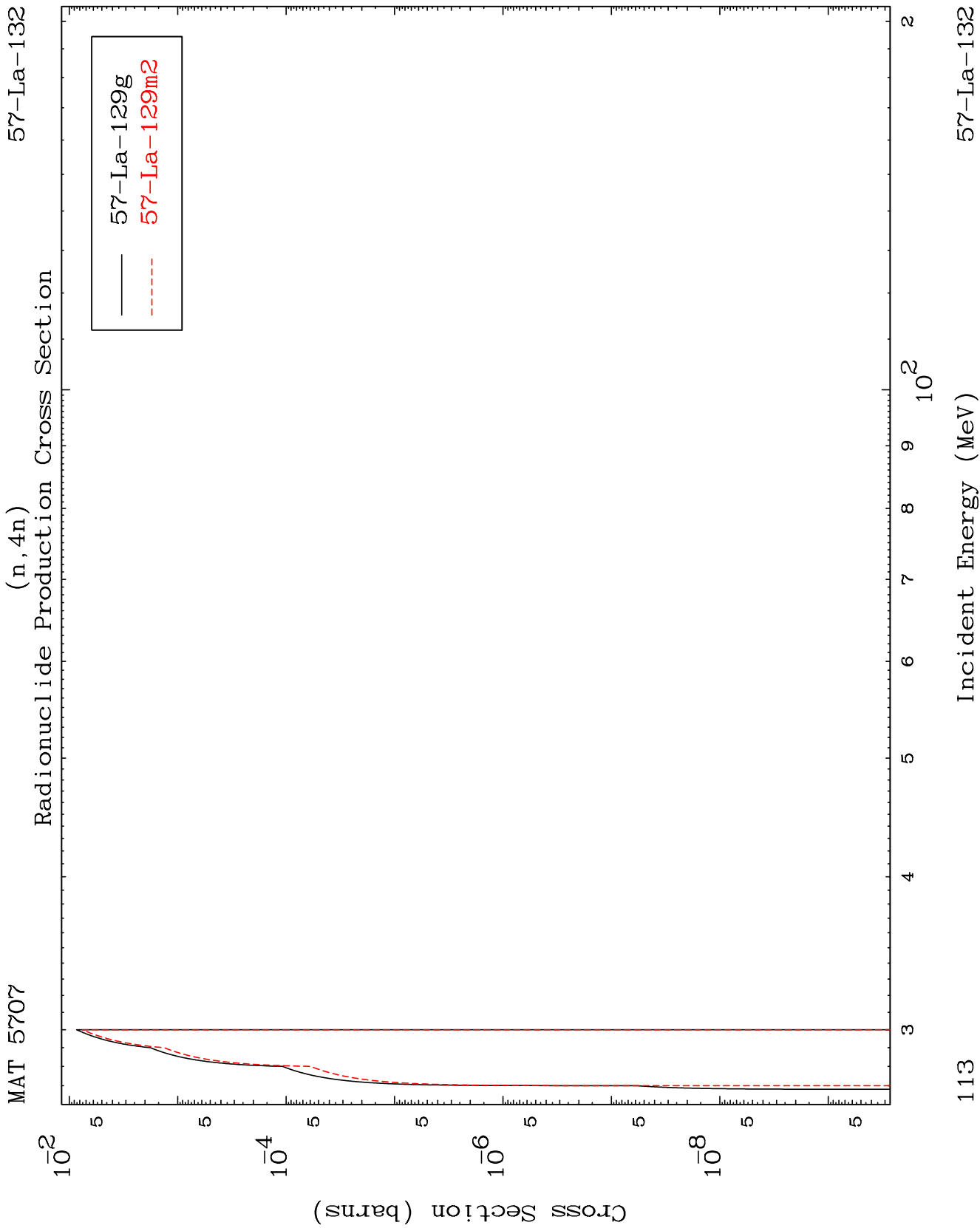
111

Incident Energy (MeV)

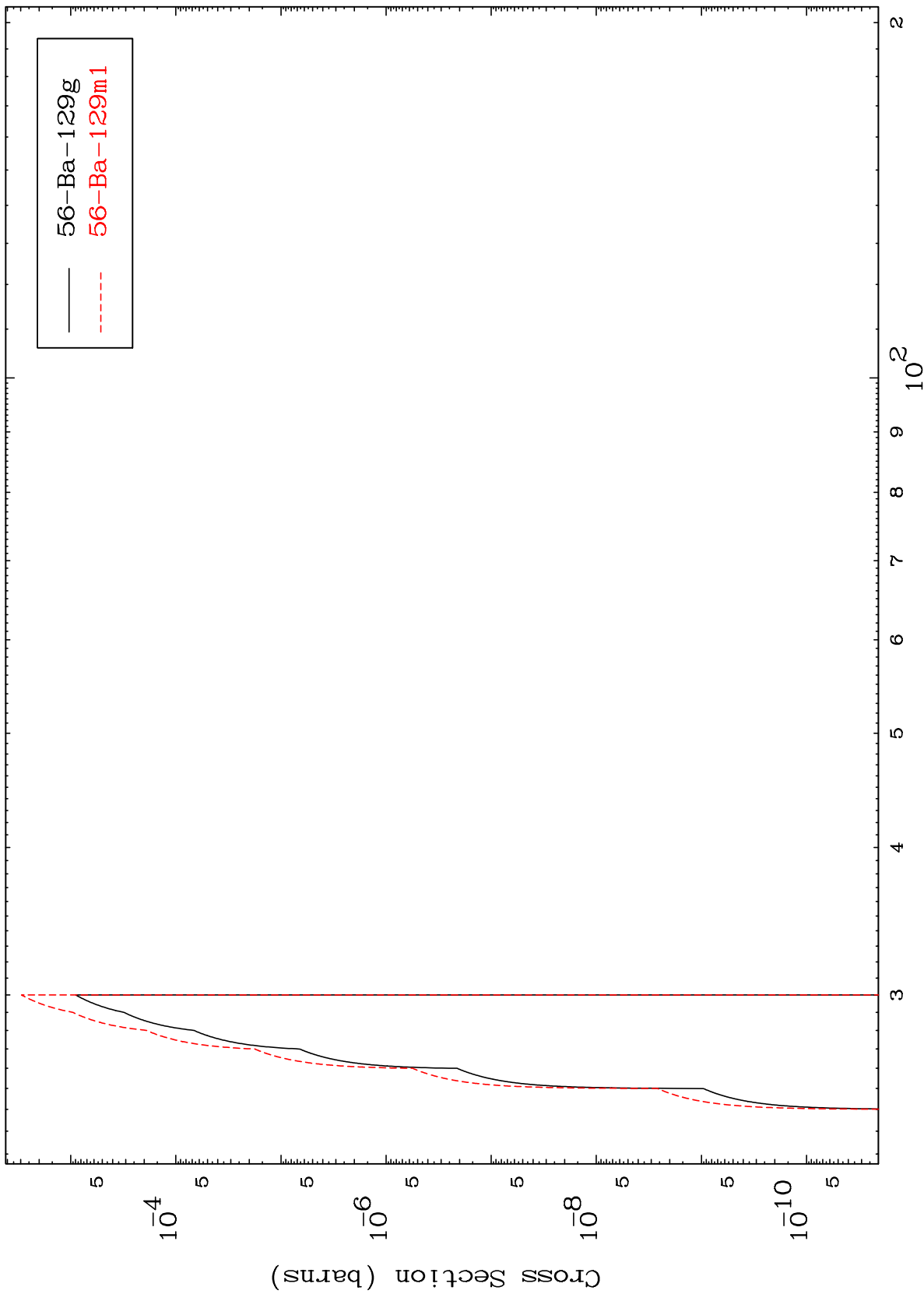
57-La-132



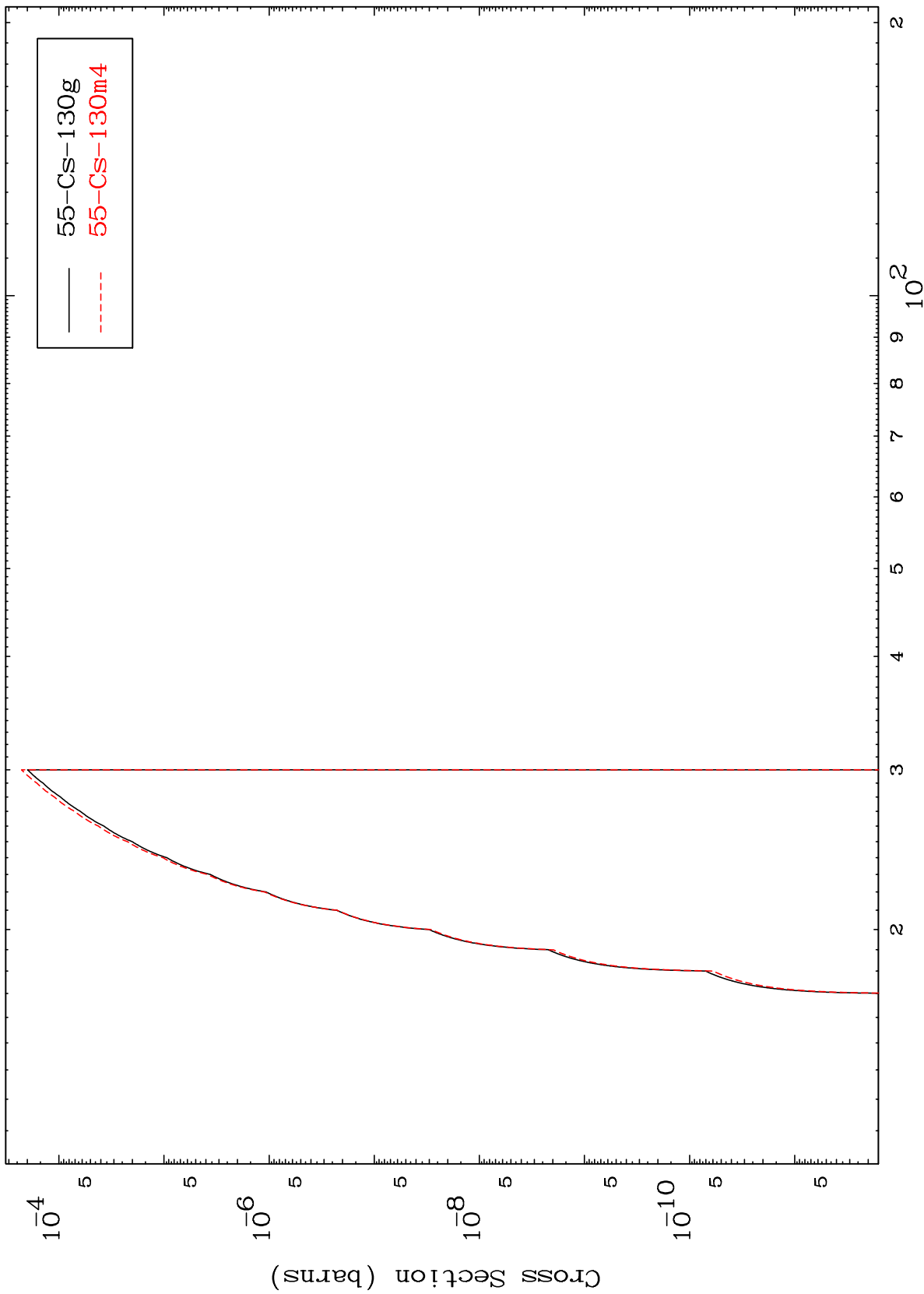




Radionuclide Production Cross Section



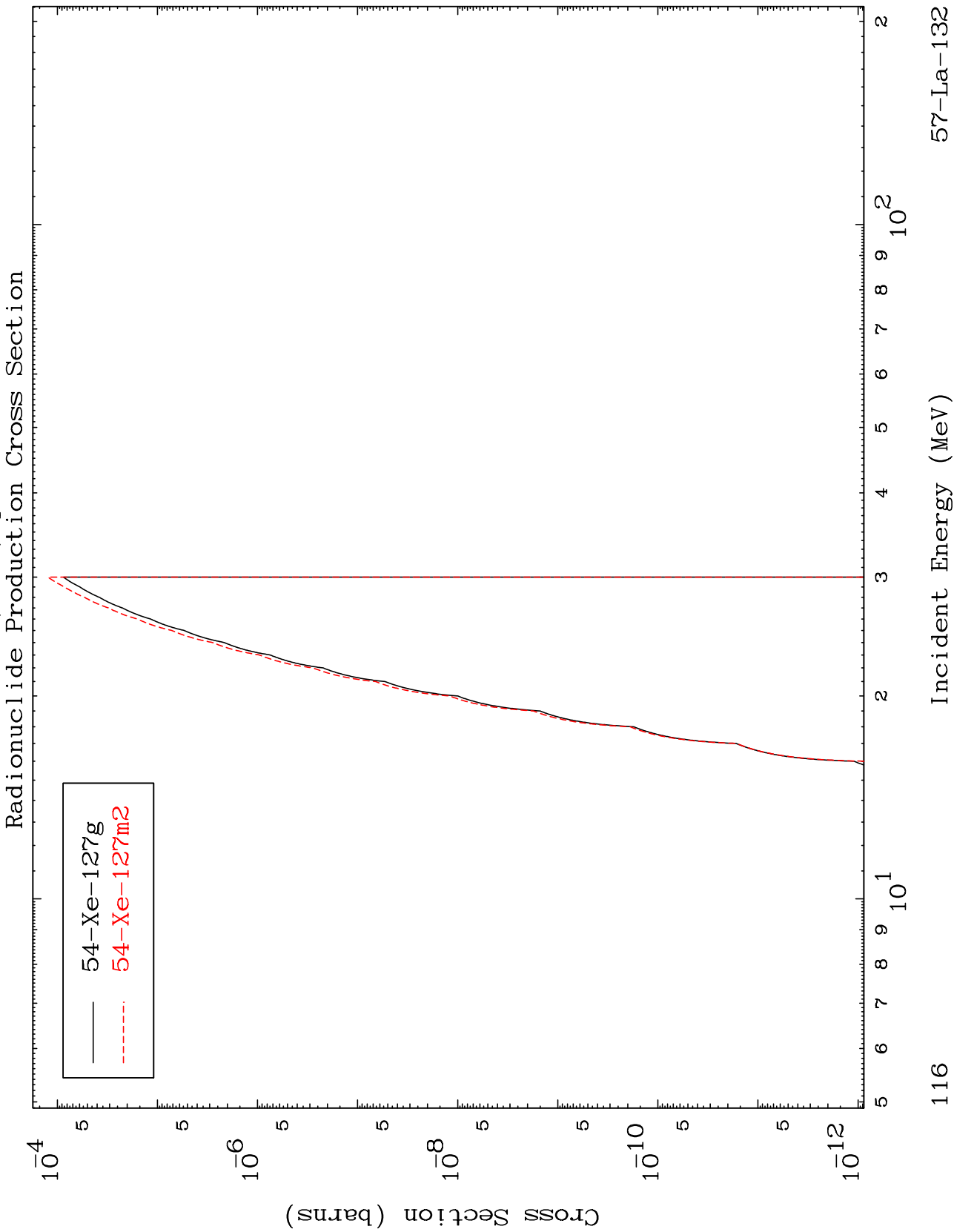
(n,2n) p  
Radionuclide Production Cross Section



MAT 5707

(n,n') p  $\alpha$

57-La-132



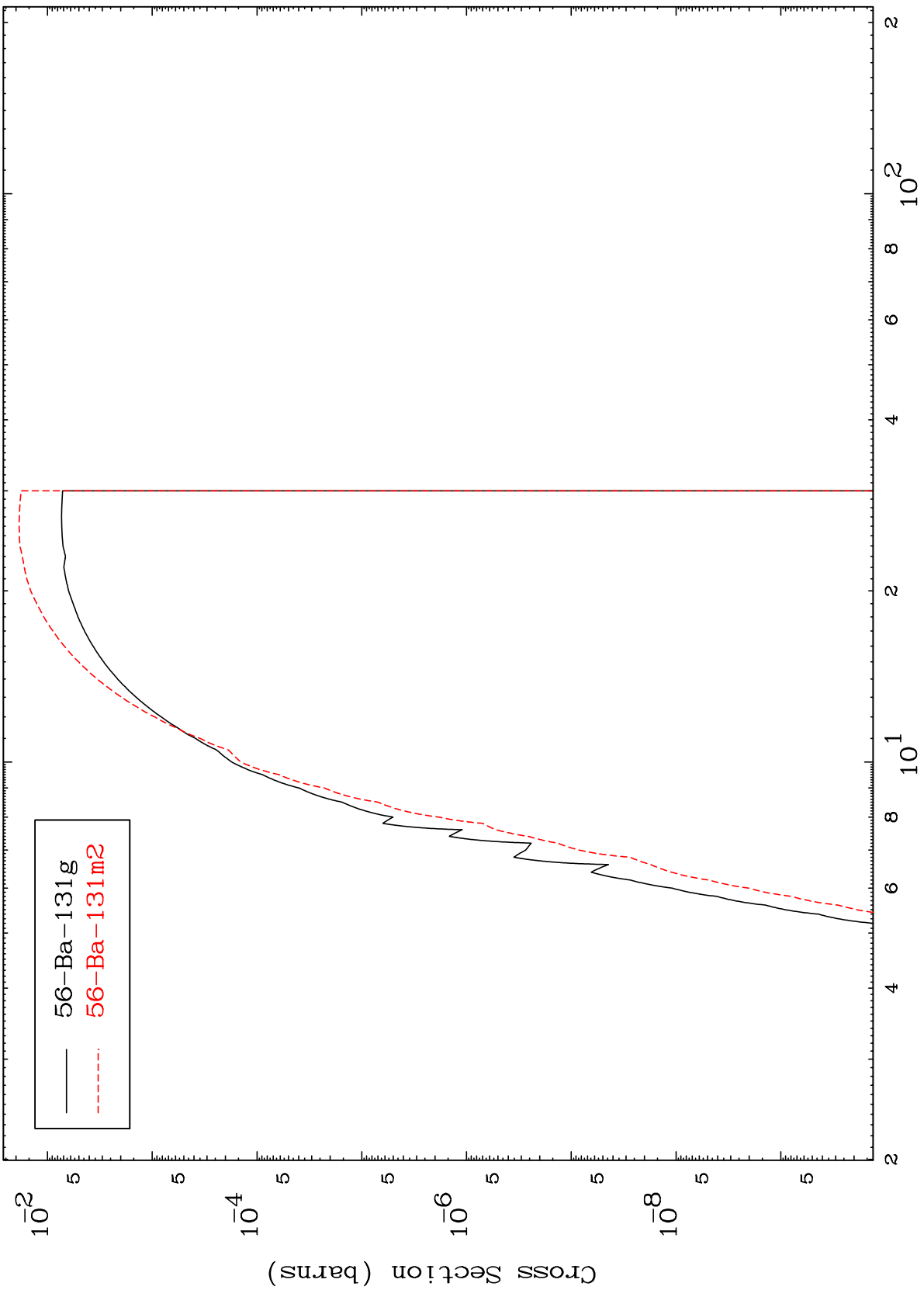
116

57-La-132

MAT 5707

57-La-132

(n,d)  
Radionuclide Production Cross Section



— 56-Ba-131g  
- - - 56-Ba-131m2

117

Incident Energy (MeV)

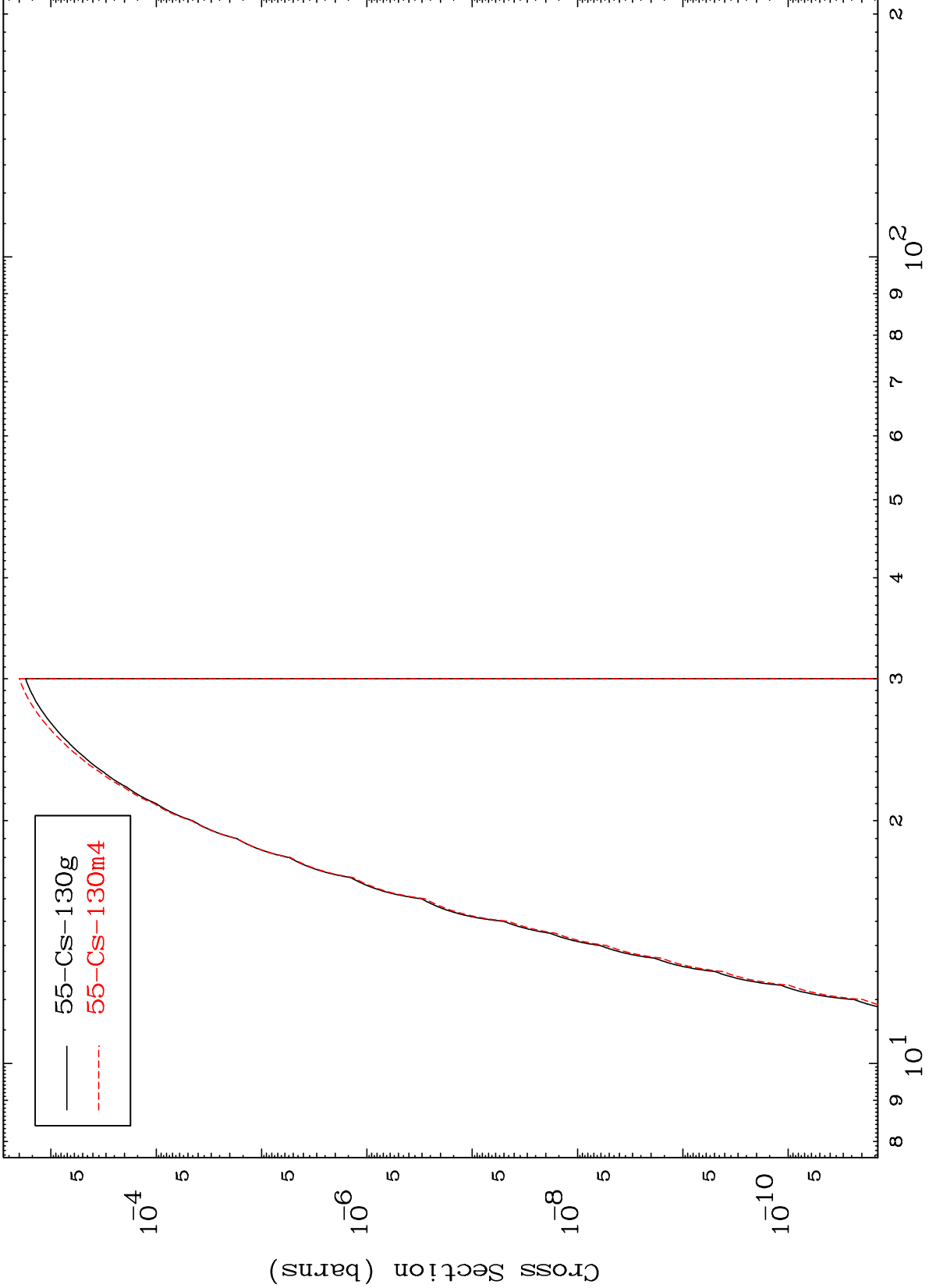
57-La-132

MAT 5707

(n,He-3)

57-La-132

Radionuclide Production Cross Section



55-Cs-130g  
55-Cs-130m4

118

Incident Energy (MeV)

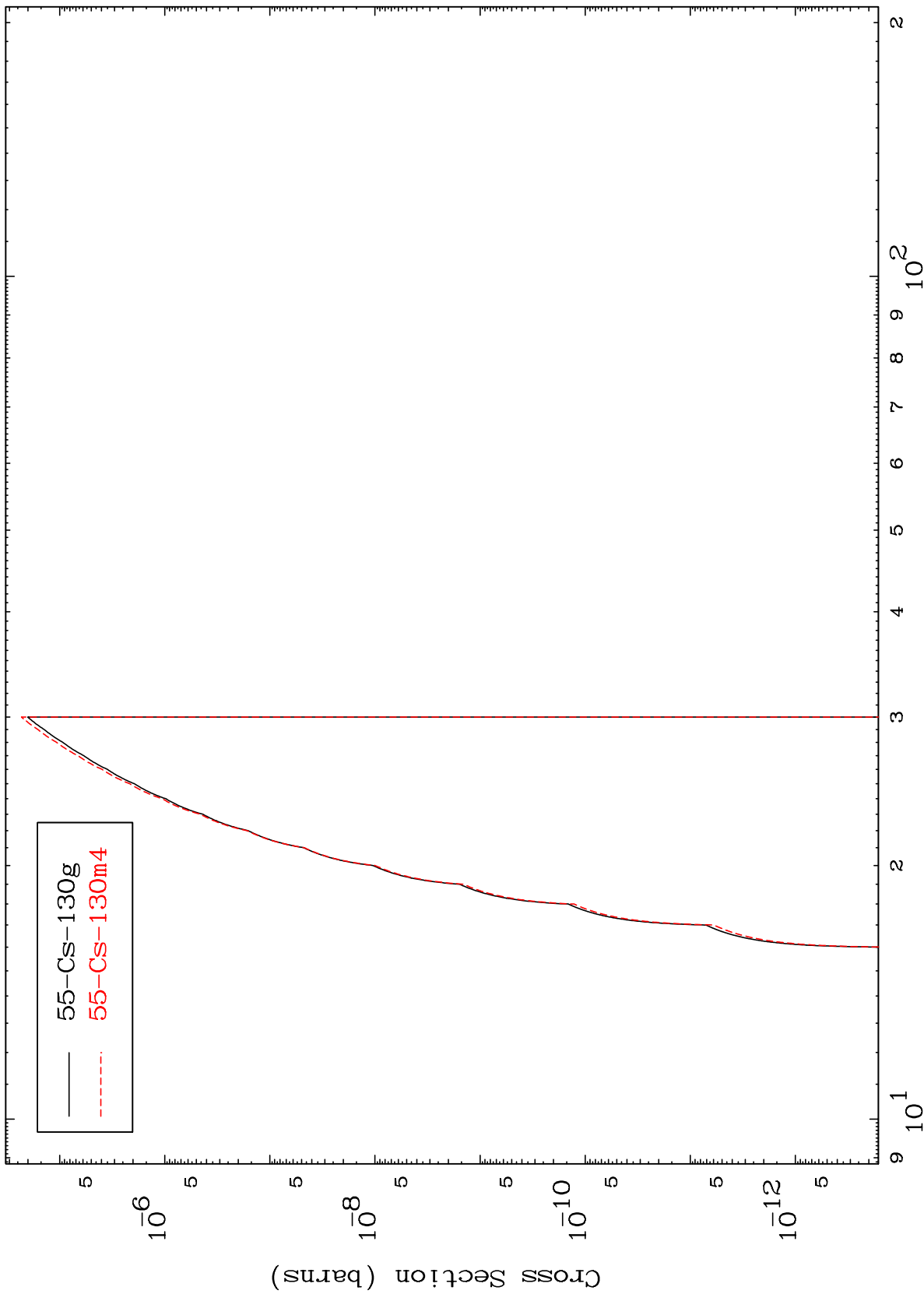
57-La-132

MAT 5707

(n,p) d

57-La-132

Radionuclide Production Cross Section



Incident Energy (MeV)

57-La-132

119

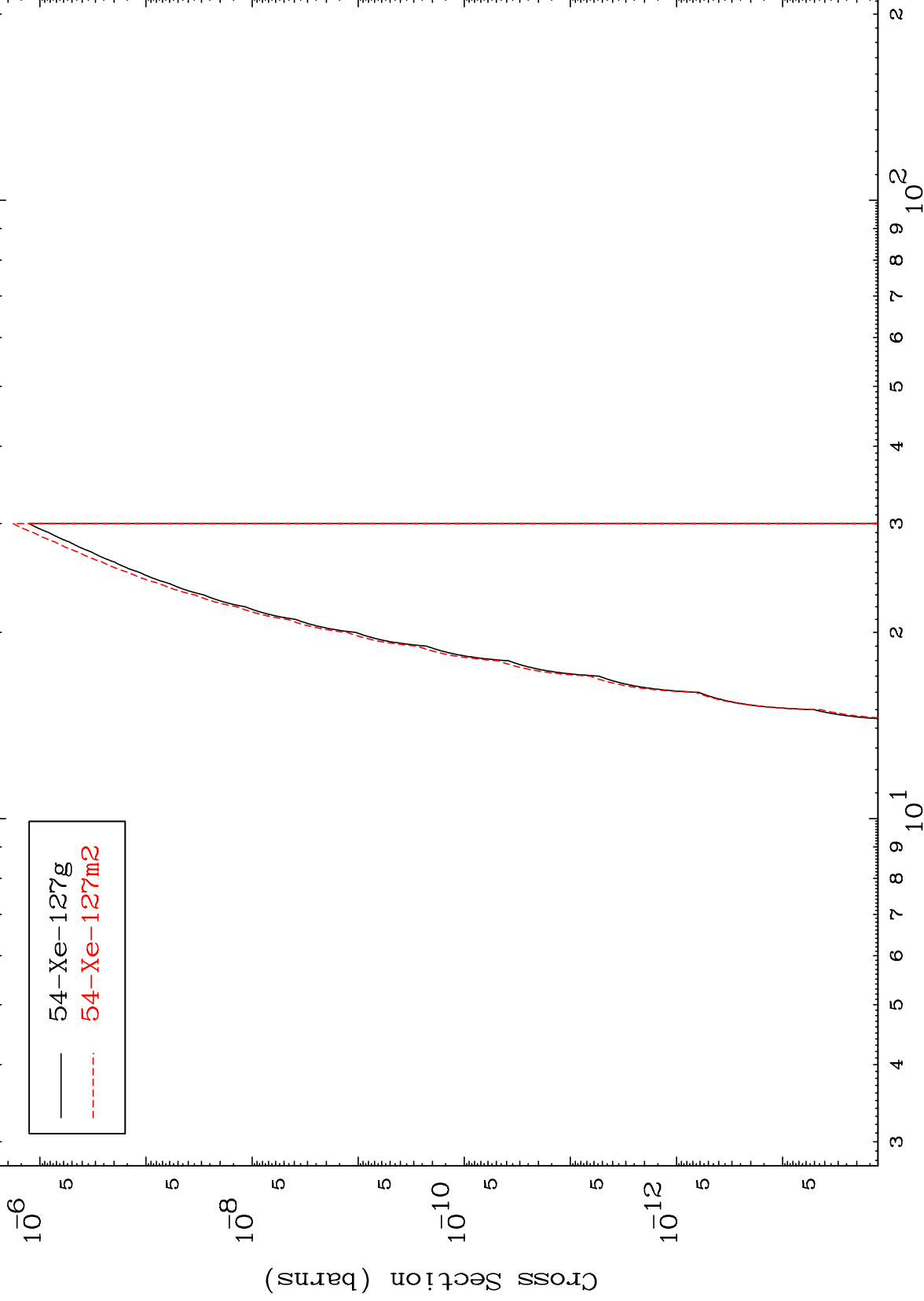


MAT 5707

(n,d)  $\alpha$

57-La-132

Radionuclide Production Cross Section



120

Incident Energy (MeV)

57-La-132