

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

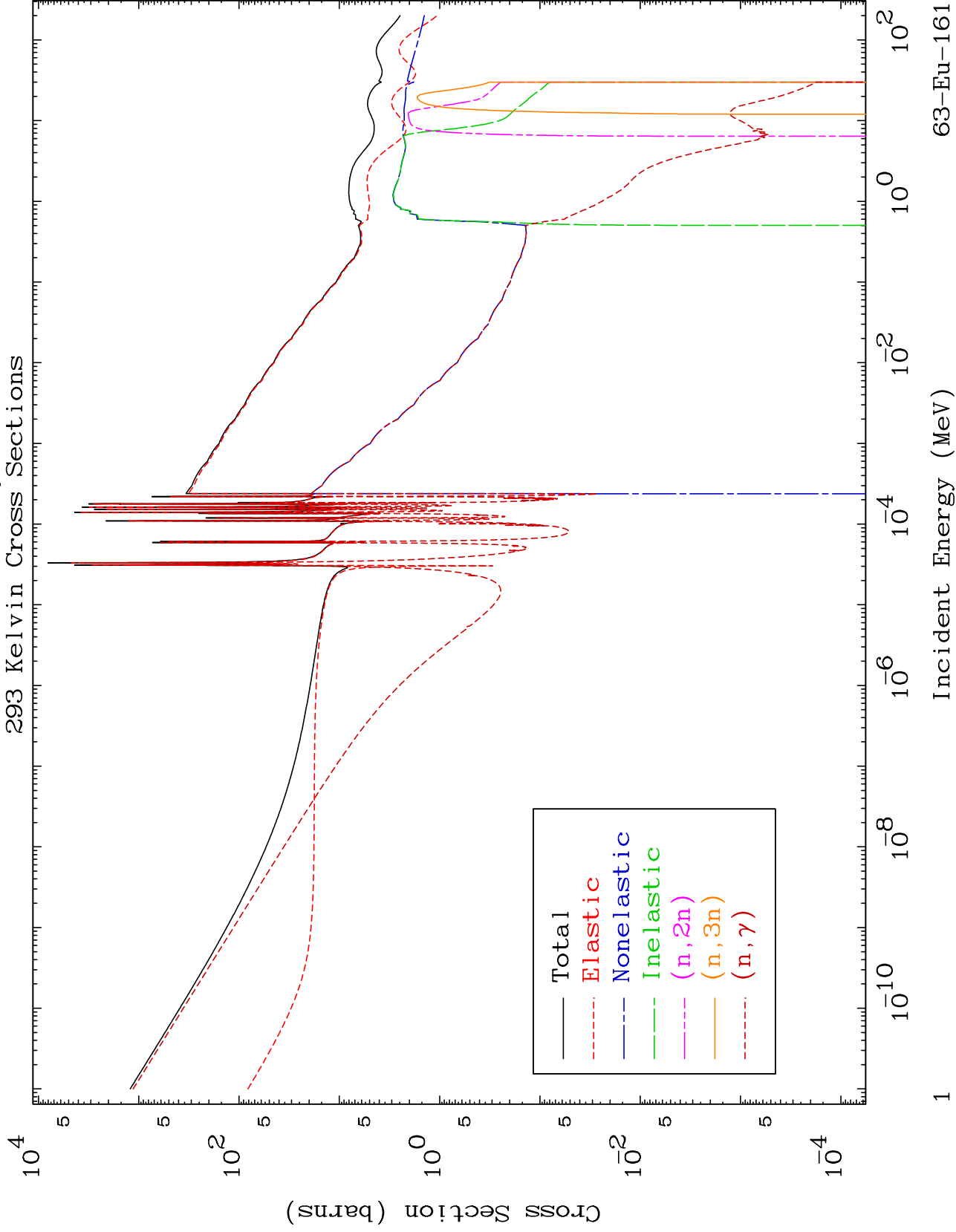
Web:redcullen1.net/HOMEPAGE.NEW

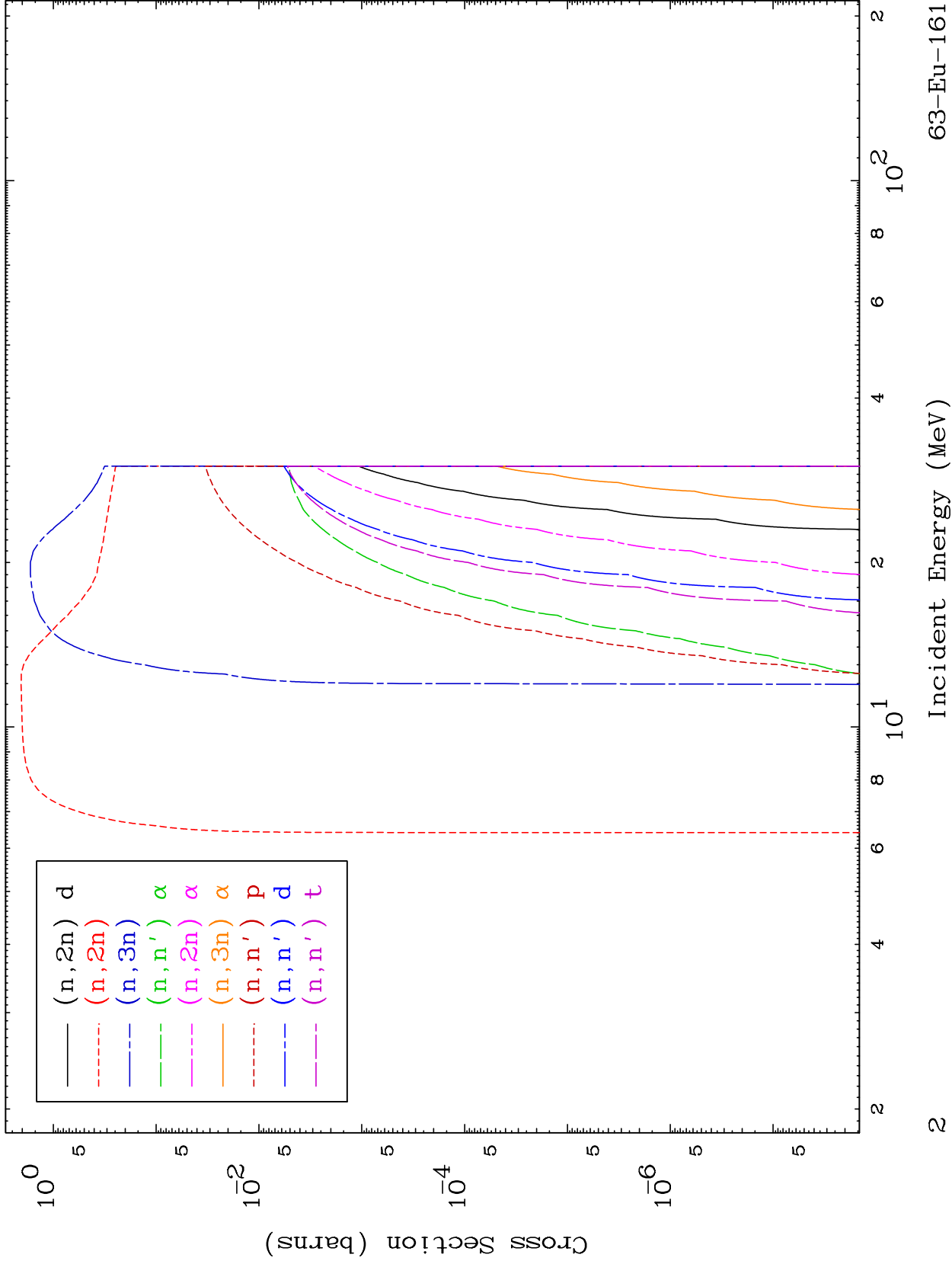
Press Mouse Button to Start

MAT 6355

Neutron Major  
293 Kelvin Cross Sections

63-Eu-161

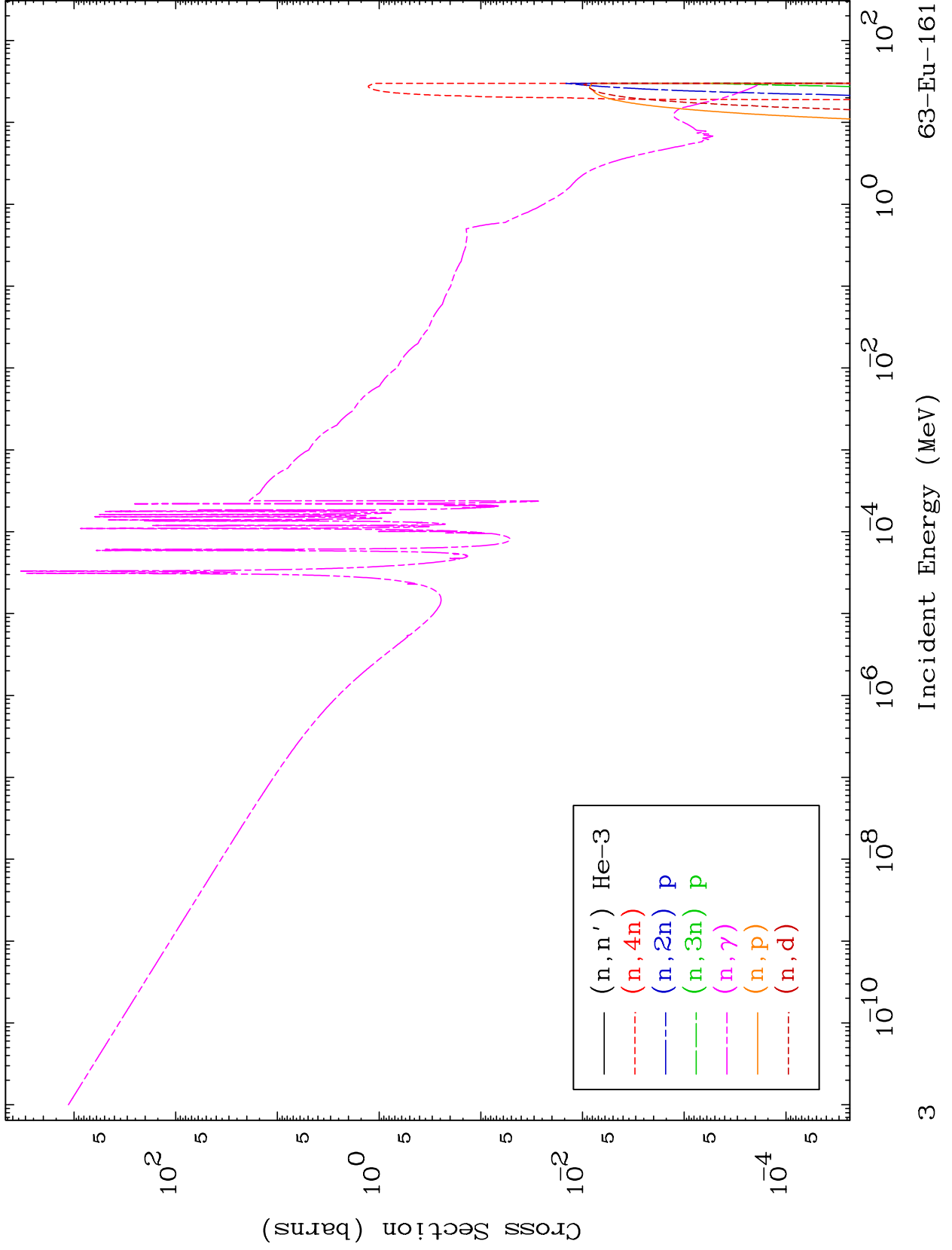




MAT 6355

Neutron Absorption  
293 Kelvin Cross Sections

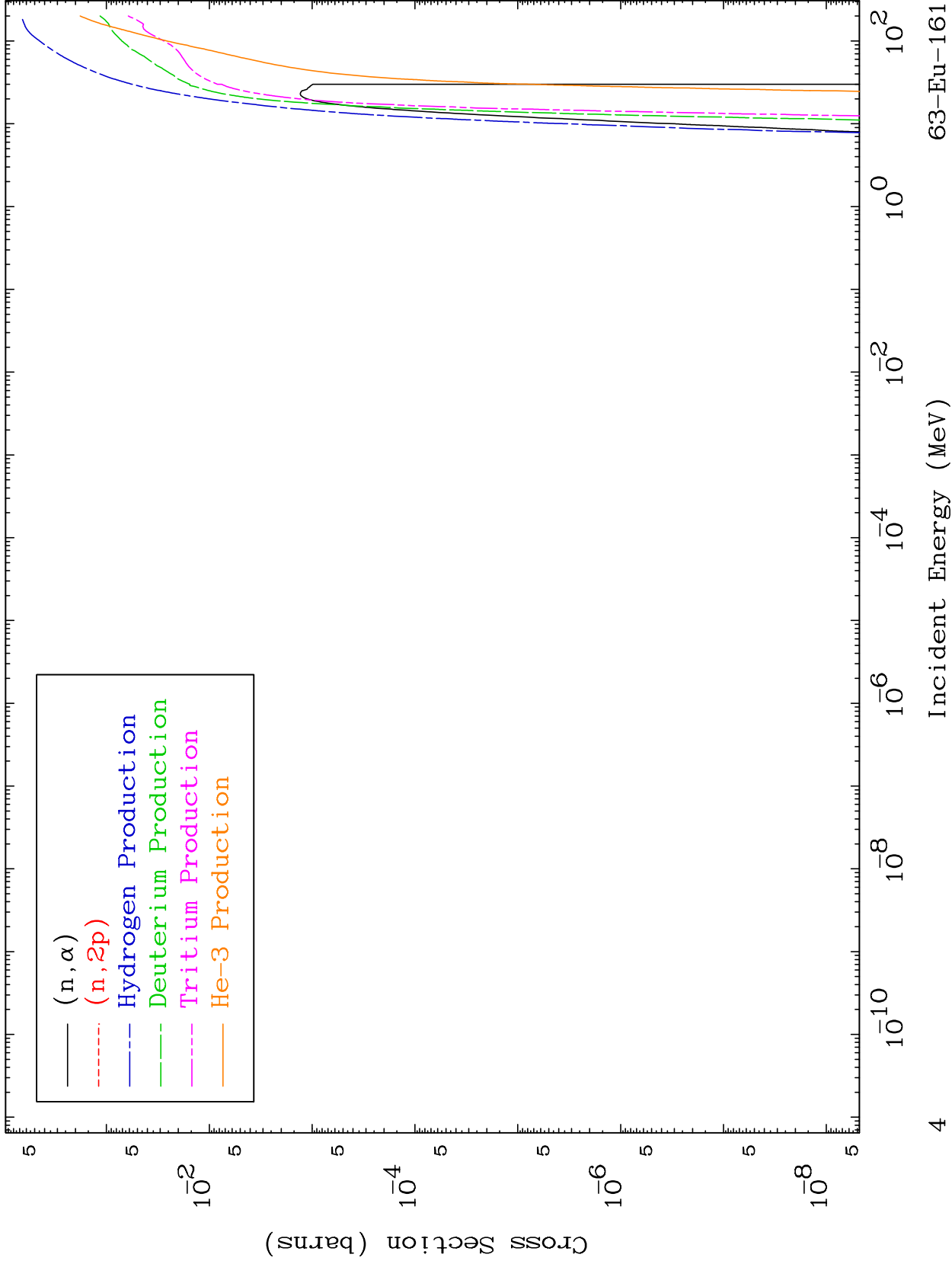
63-Eu-161

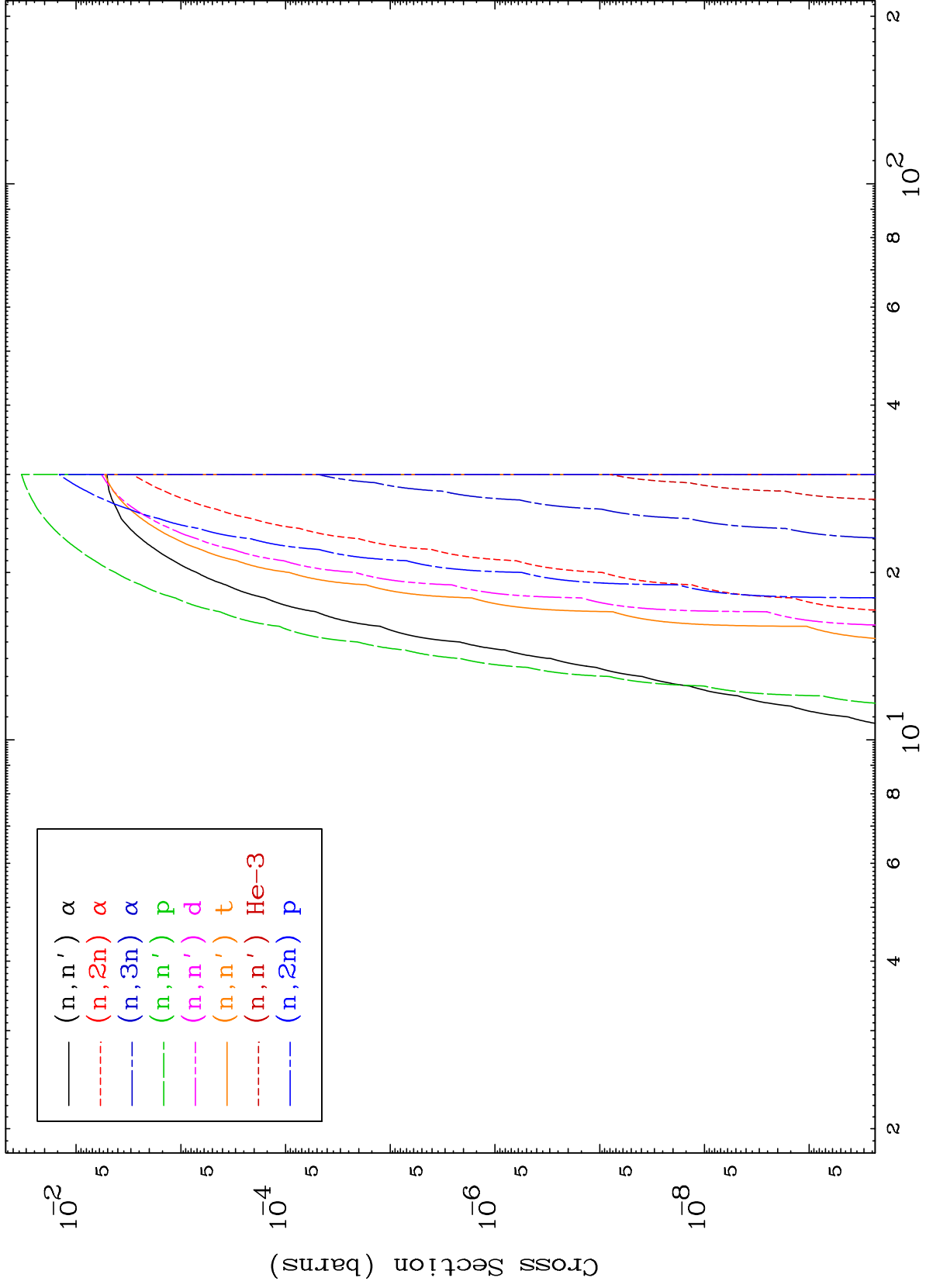


MAT 6355

Neutron Absorption  
293 Kelvin Cross Sections

63-Eu-161

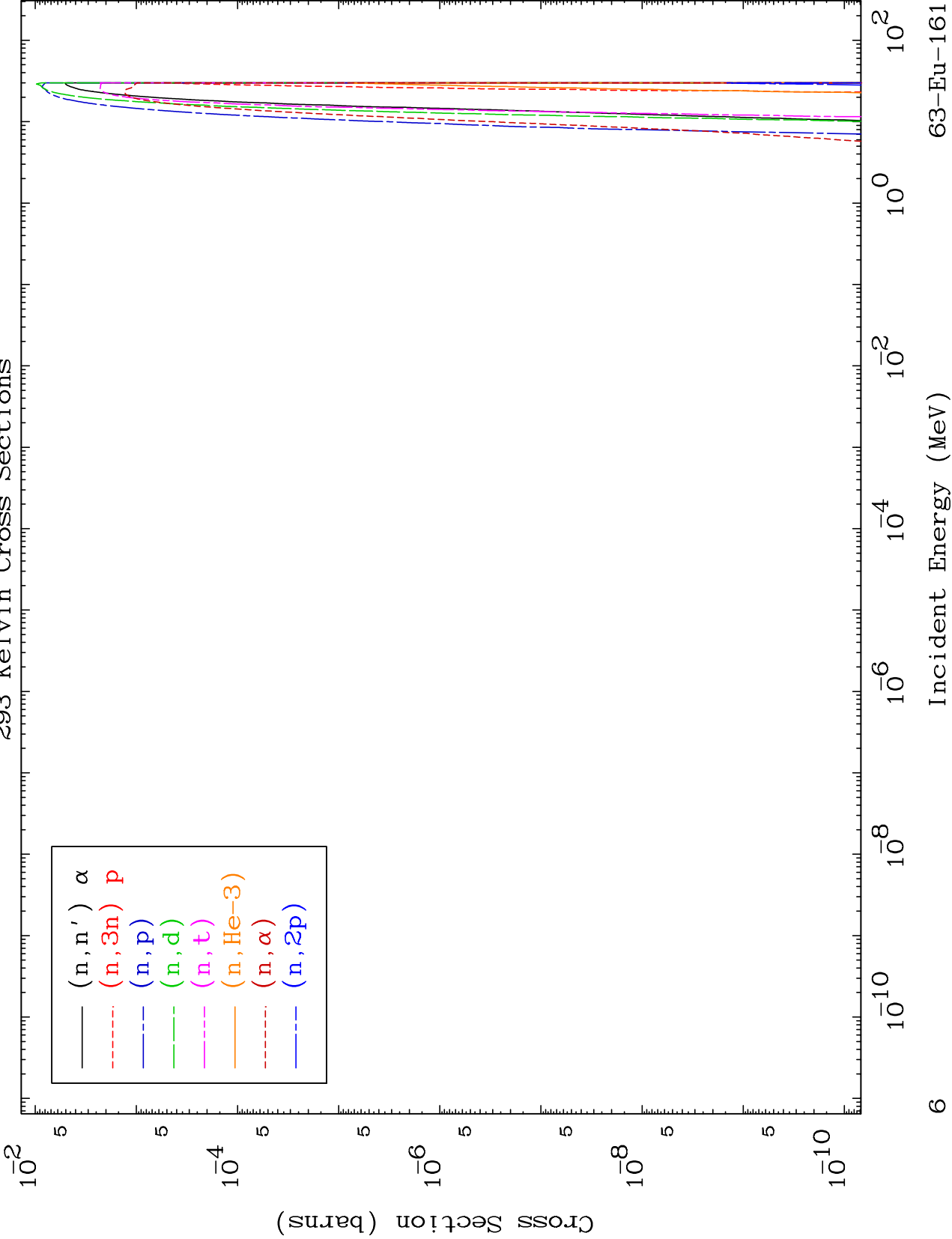




MAT 6355

Charged Particle  
293 Kelvin Cross Sections

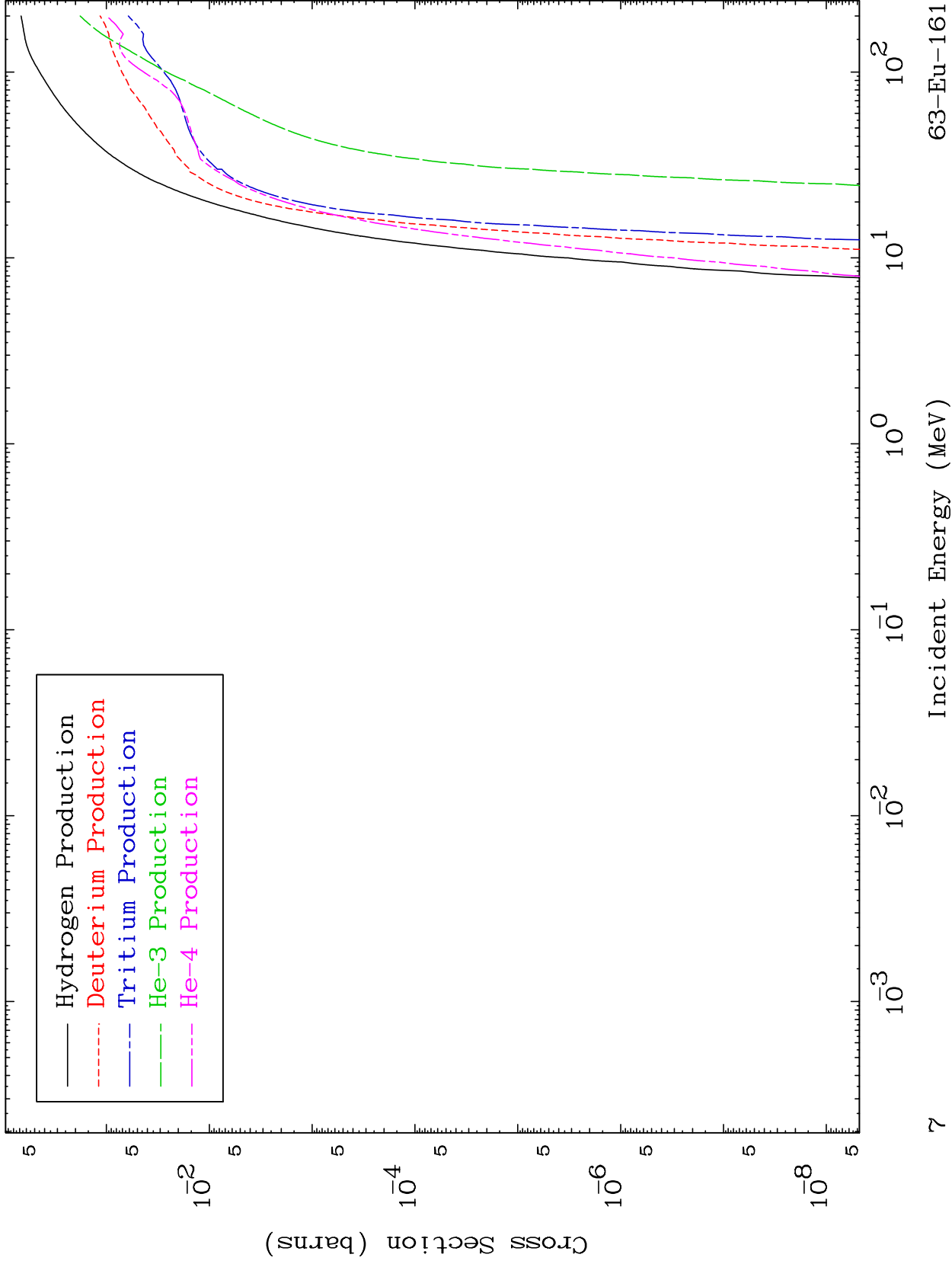
63-Eu-161



MAT 6355

Particle Production  
293 Kelvin Cross Sections

63-Eu-161

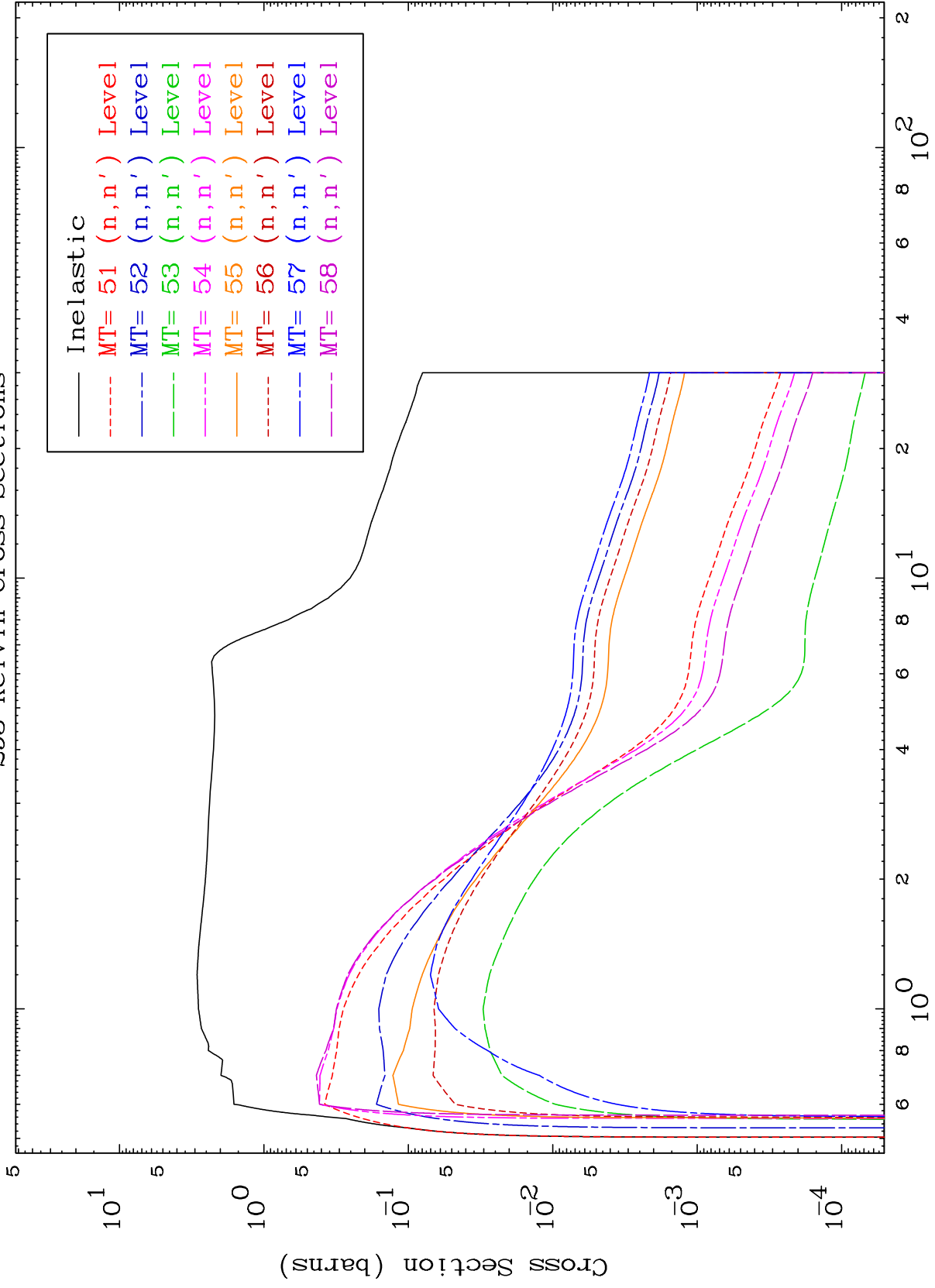


MAT 6355

(n,n') Levels

63-Eu-161

293 Kelvin Cross Sections



8

Incident Energy (MeV)

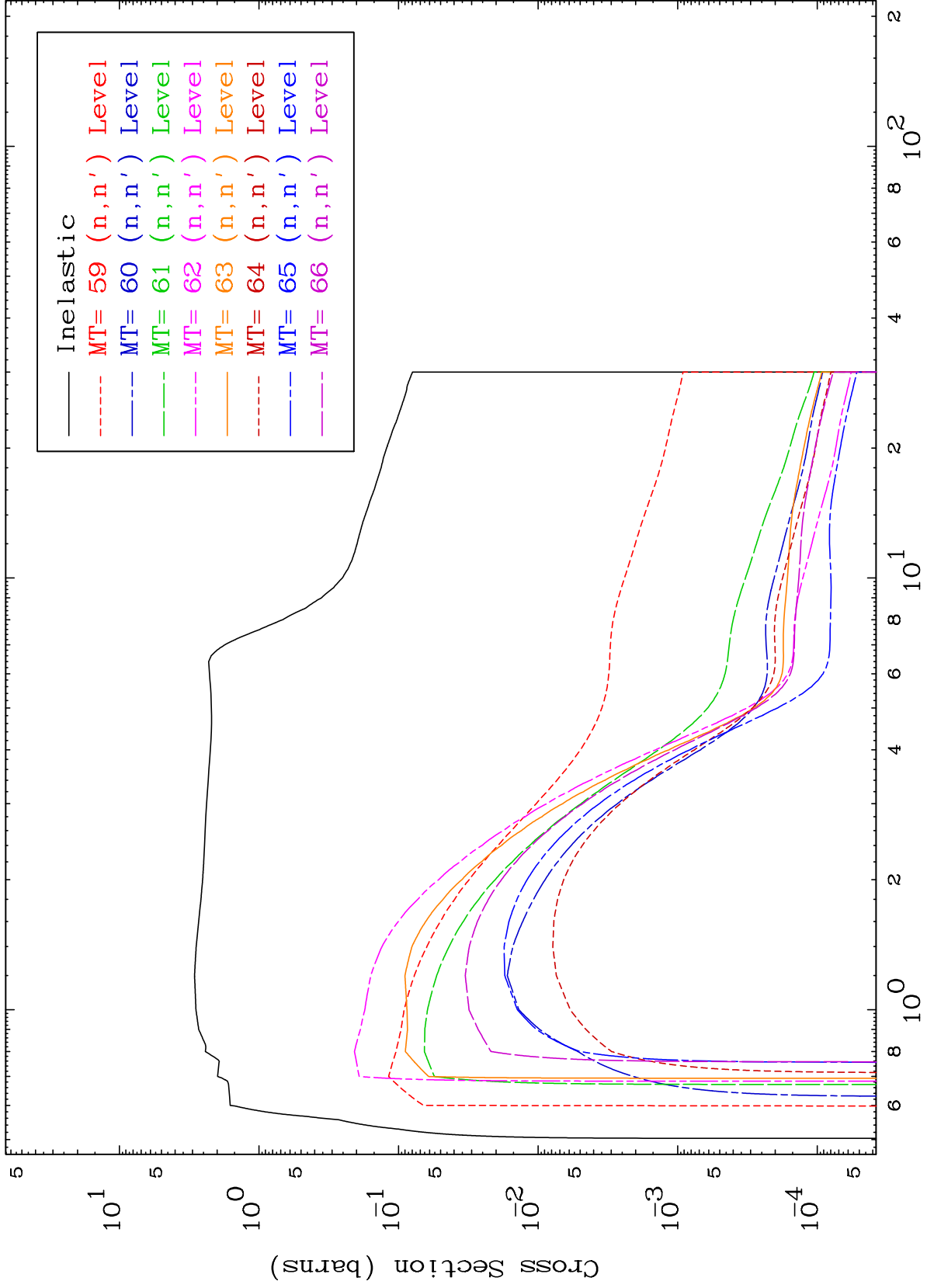
63-Eu-161

MAT 6355

(n,n') Levels

63-Eu-161

293 Kelvin Cross Sections



9

Incident Energy (MeV)

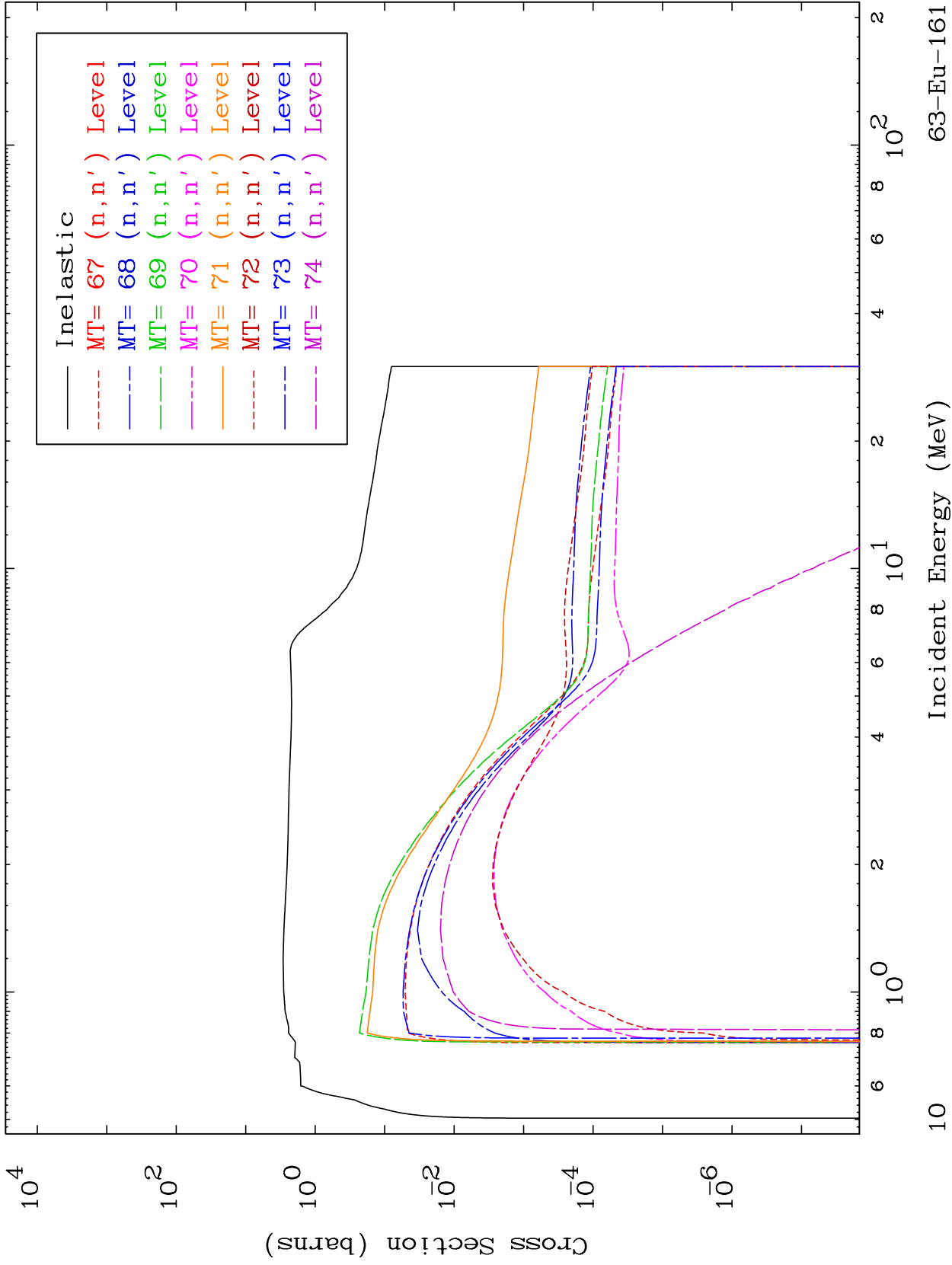
63-Eu-161

MAT 6355

(n,n') Levels

63-Eu-161

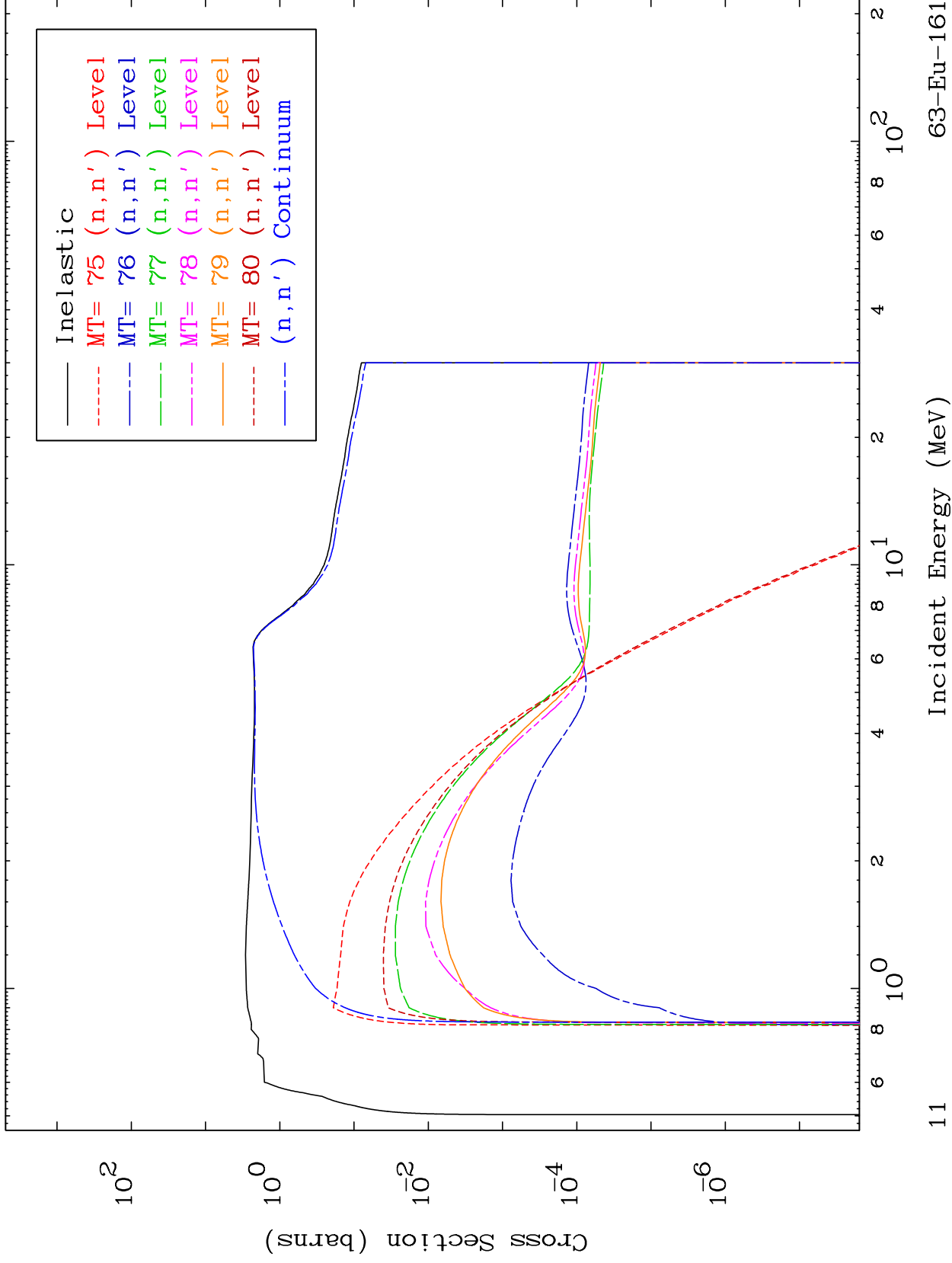
293 Kelvin Cross Sections



10

Incident Energy (MeV)

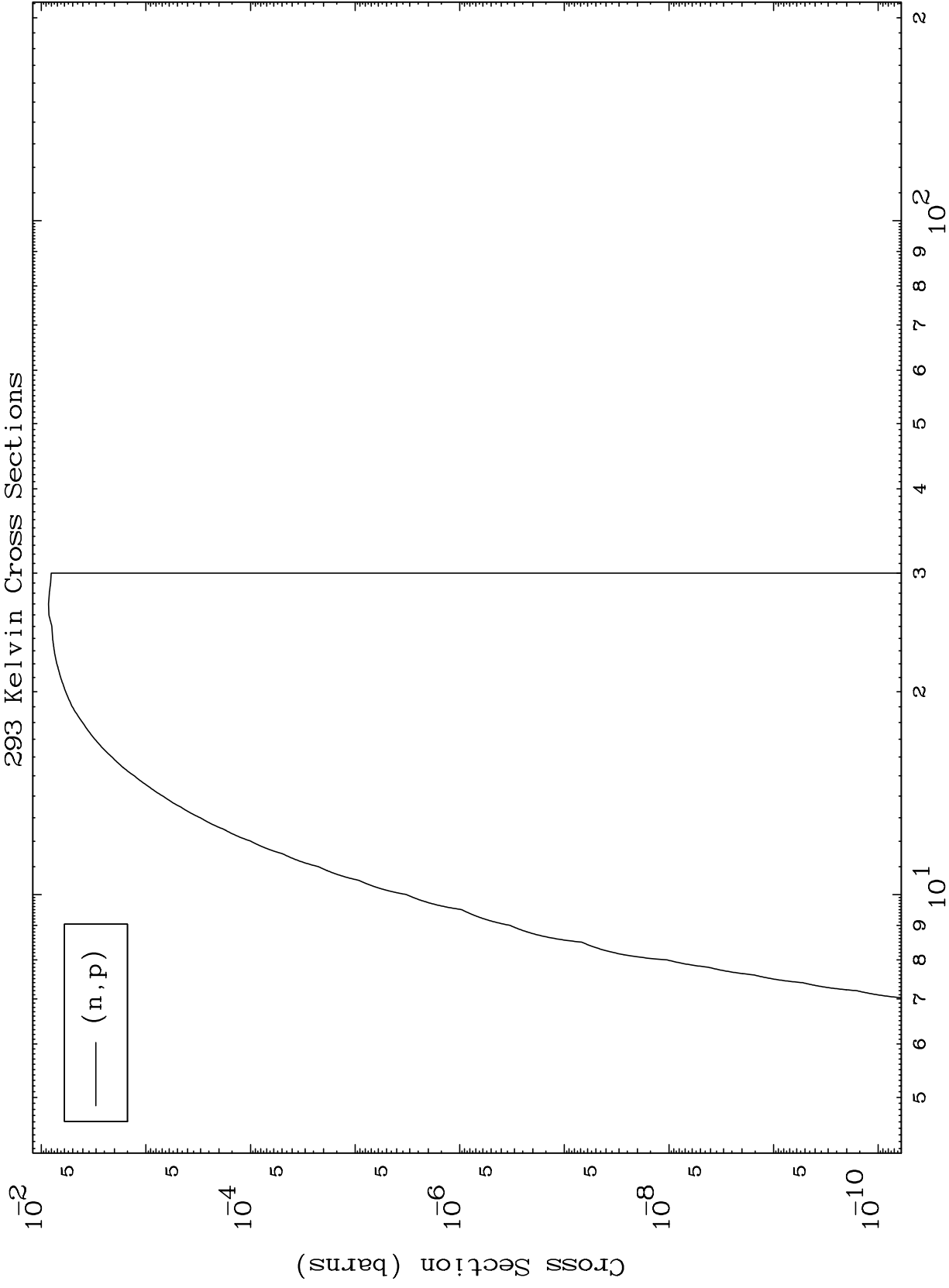
63-Eu-161



MAT 6355

(n,p) Levels  
293 Kelvin Cross Sections

63-Eu-161



12

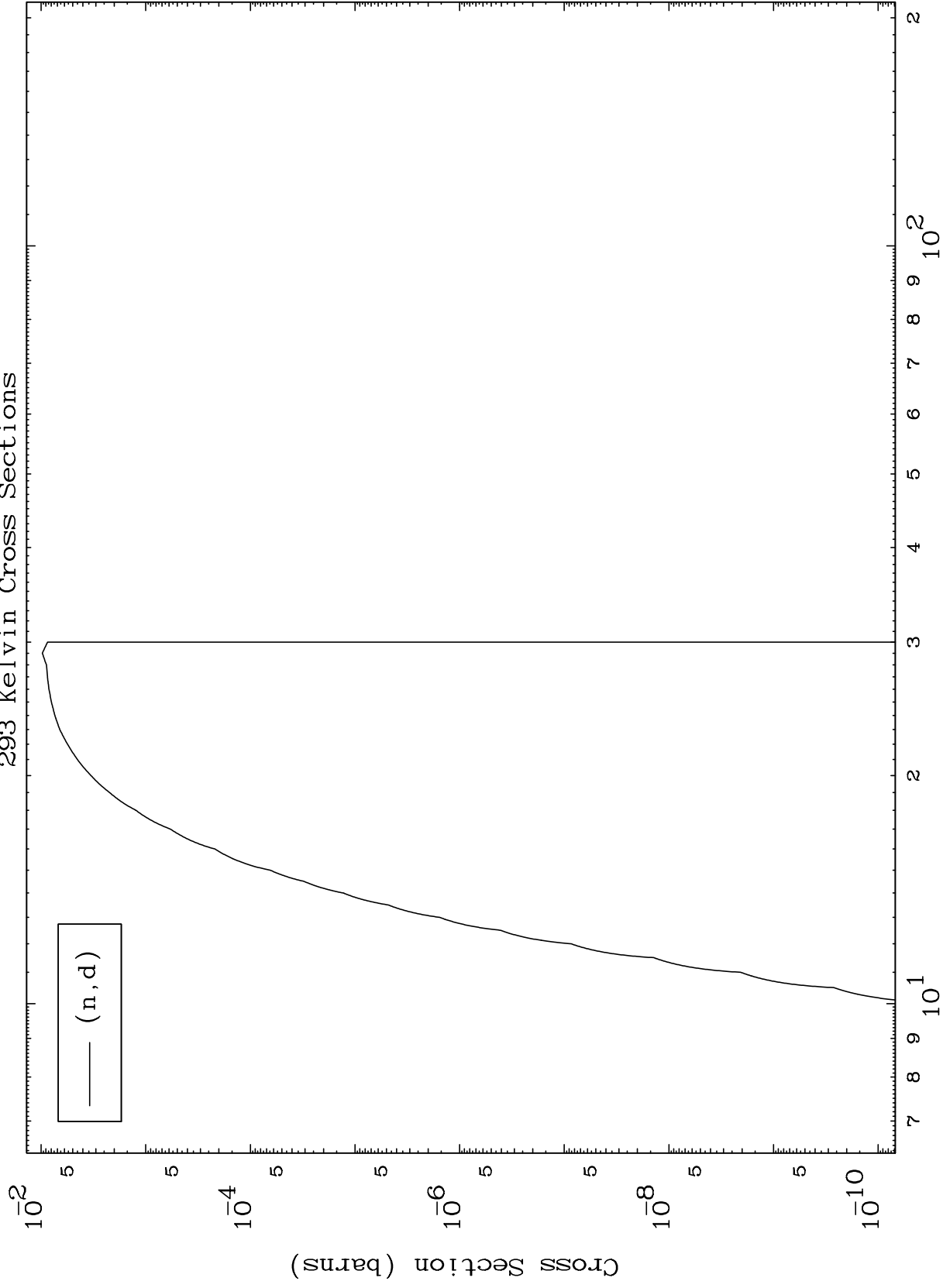
Incident Energy (MeV)

63-Eu-161

MAT 6355

(n,d) Levels  
293 Kelvin Cross Sections

63-Eu-161



13

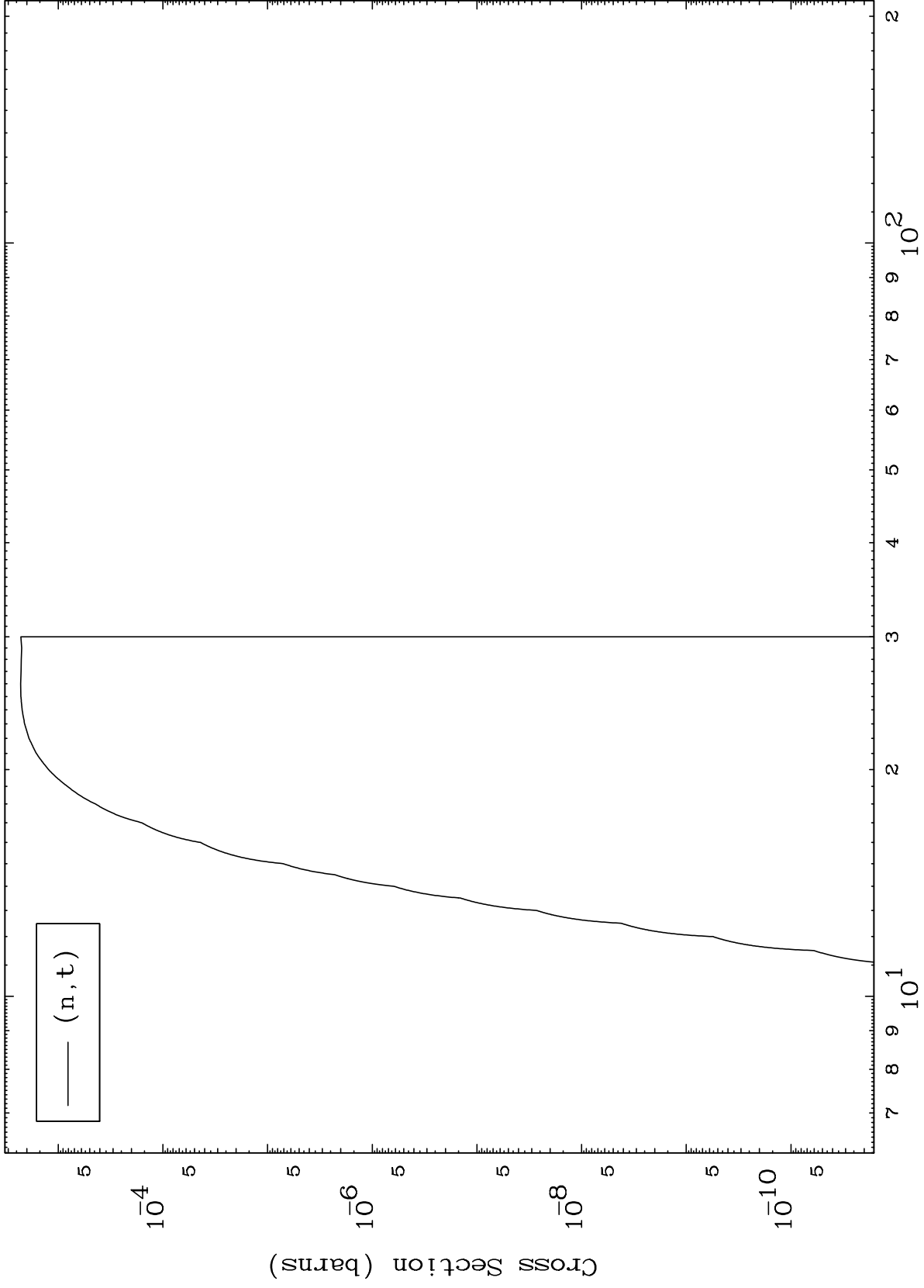
Incident Energy (MeV)

63-Eu-161

MAT 6355

(n,t) Levels  
293 Kelvin Cross Sections

63-Eu-161



14

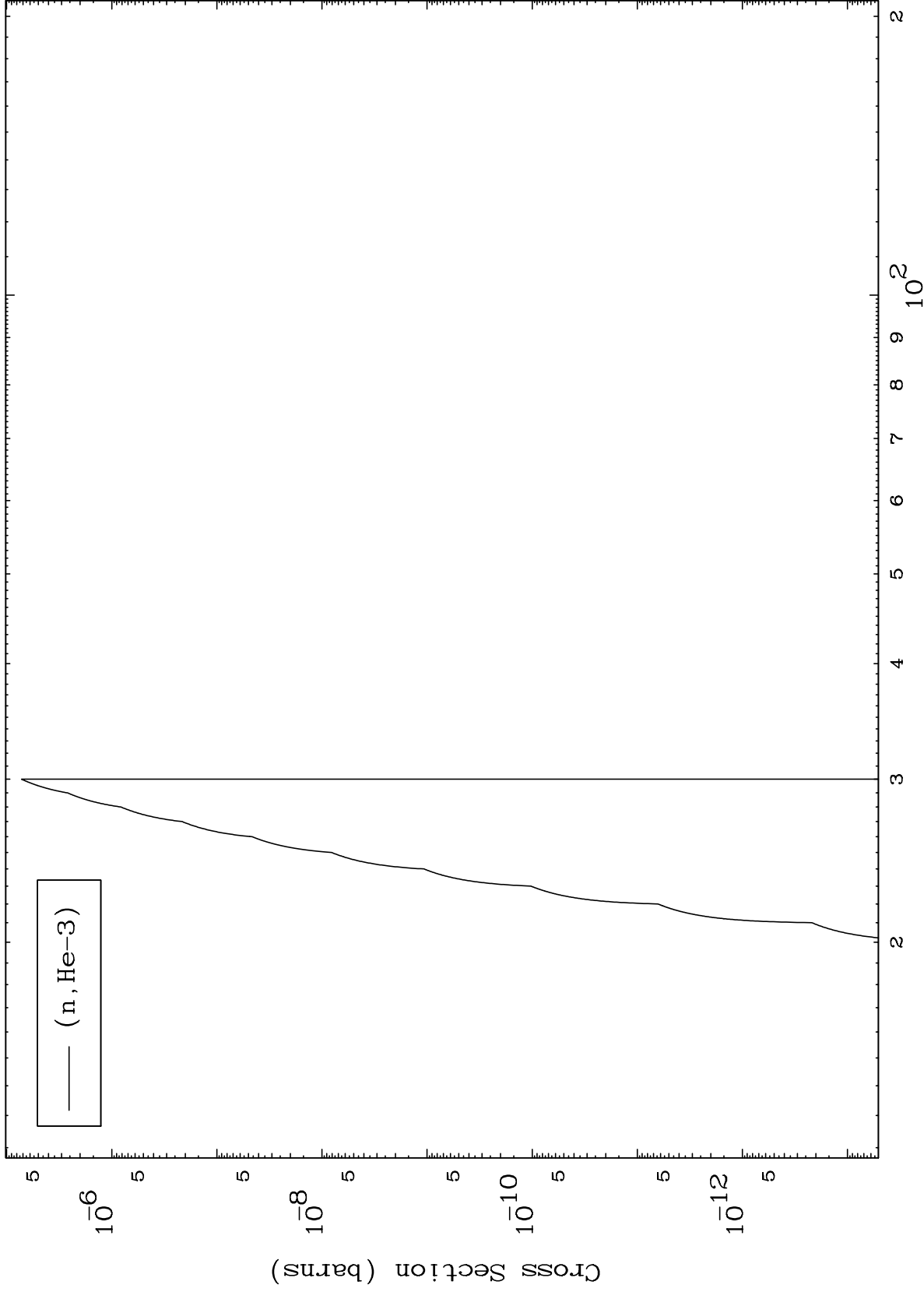
Incident Energy (MeV)

63-Eu-161

MAT 6355

(n,He3) Levels  
293 Kelvin Cross Sections

63-Eu-161



15

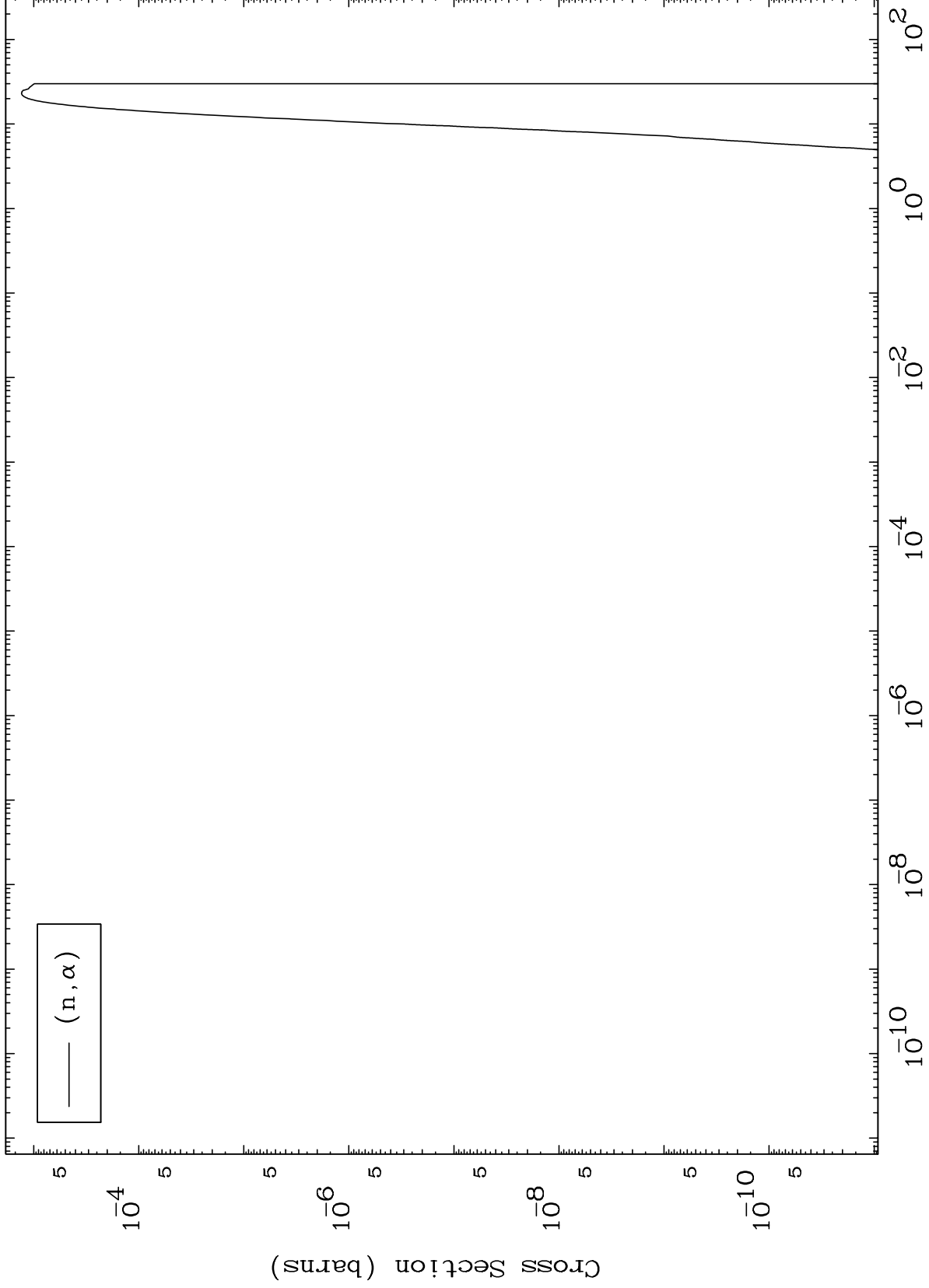
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



16

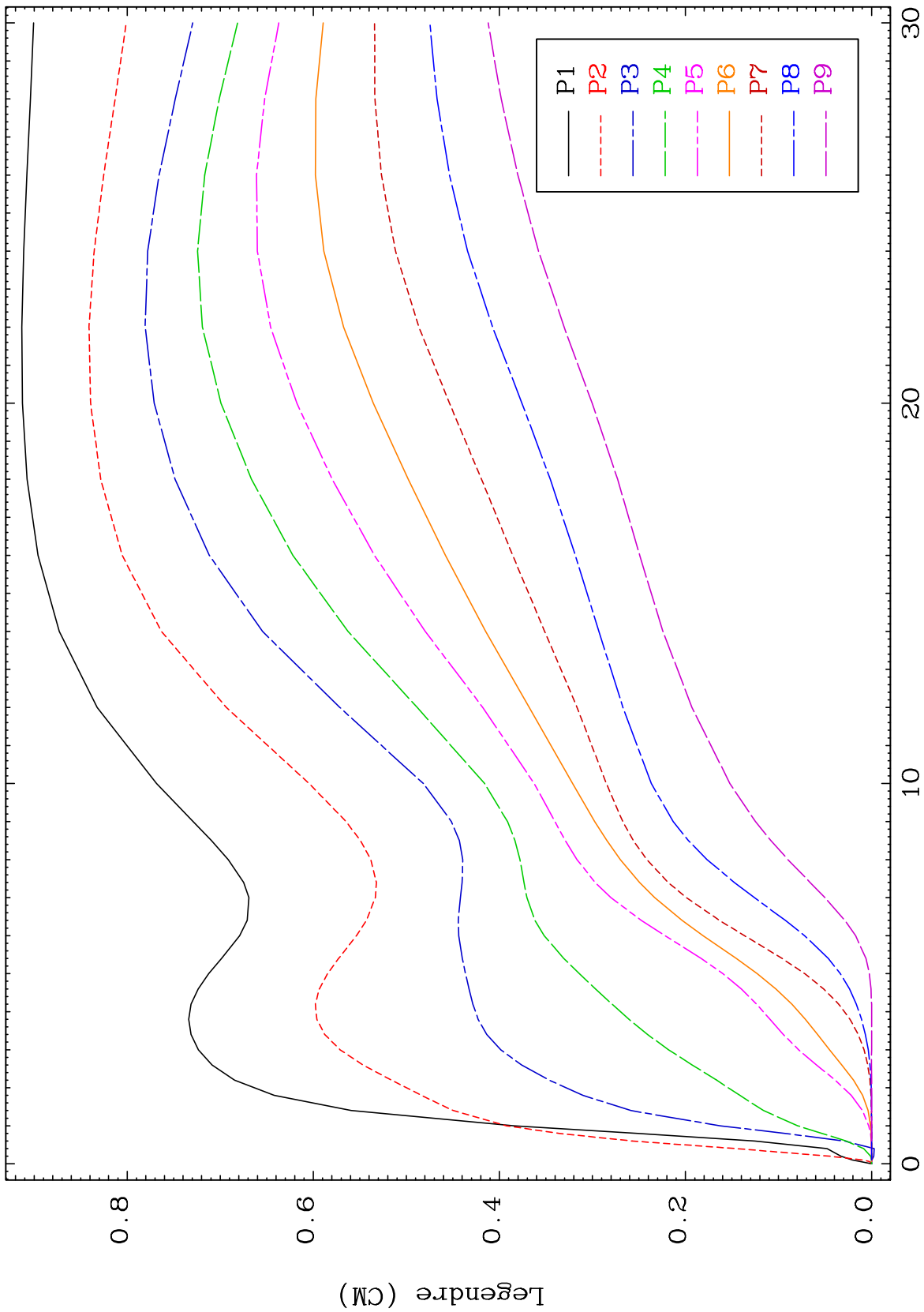
Incident Energy (MeV)

63-Eu-161

MAT 6355

Elastic Legendre Coefficients

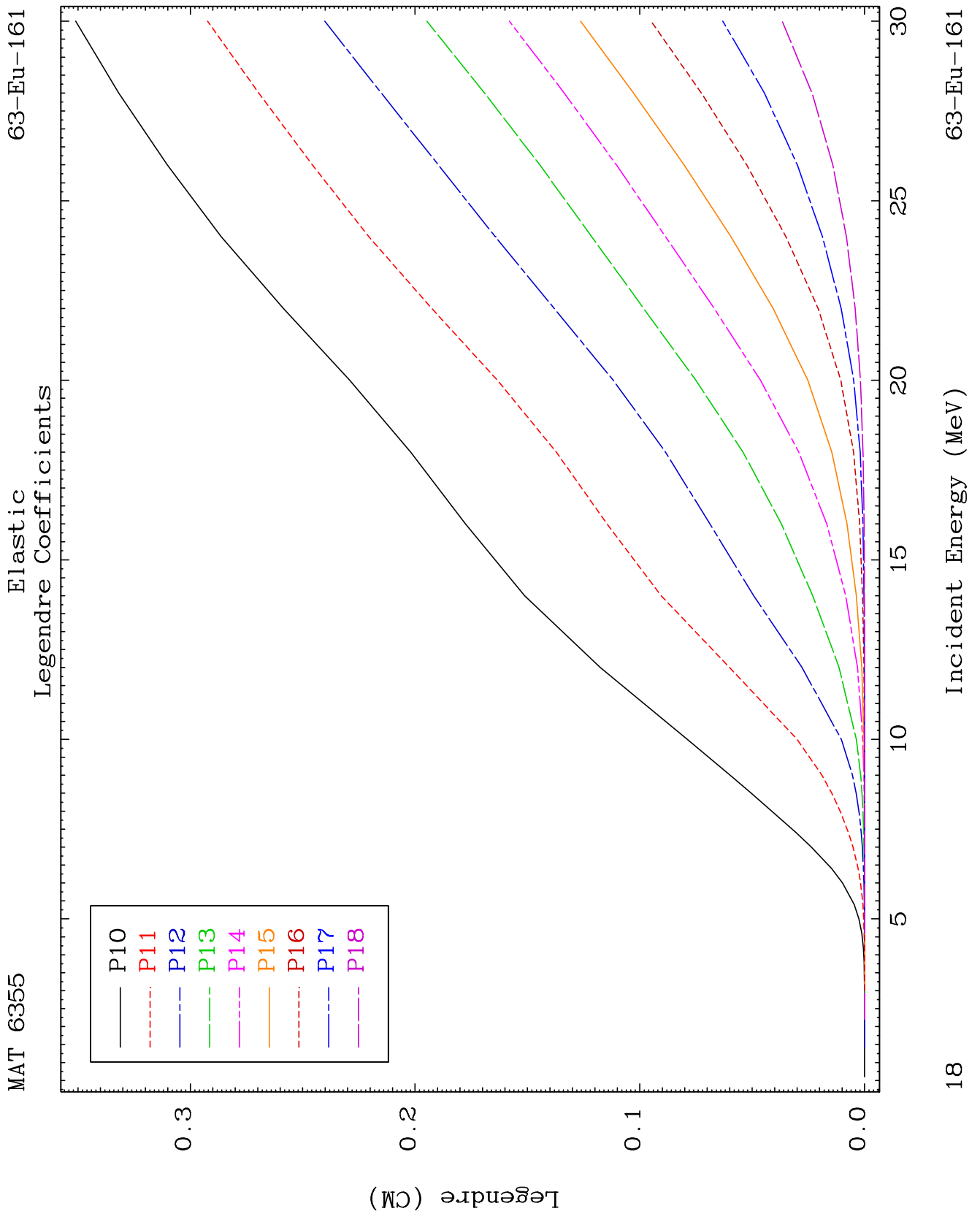
63-Eu-161



17

Incident Energy (MeV)

63-Eu-161



MAT 6355

Elastic Legendre Coefficients

63-Eu-161

18

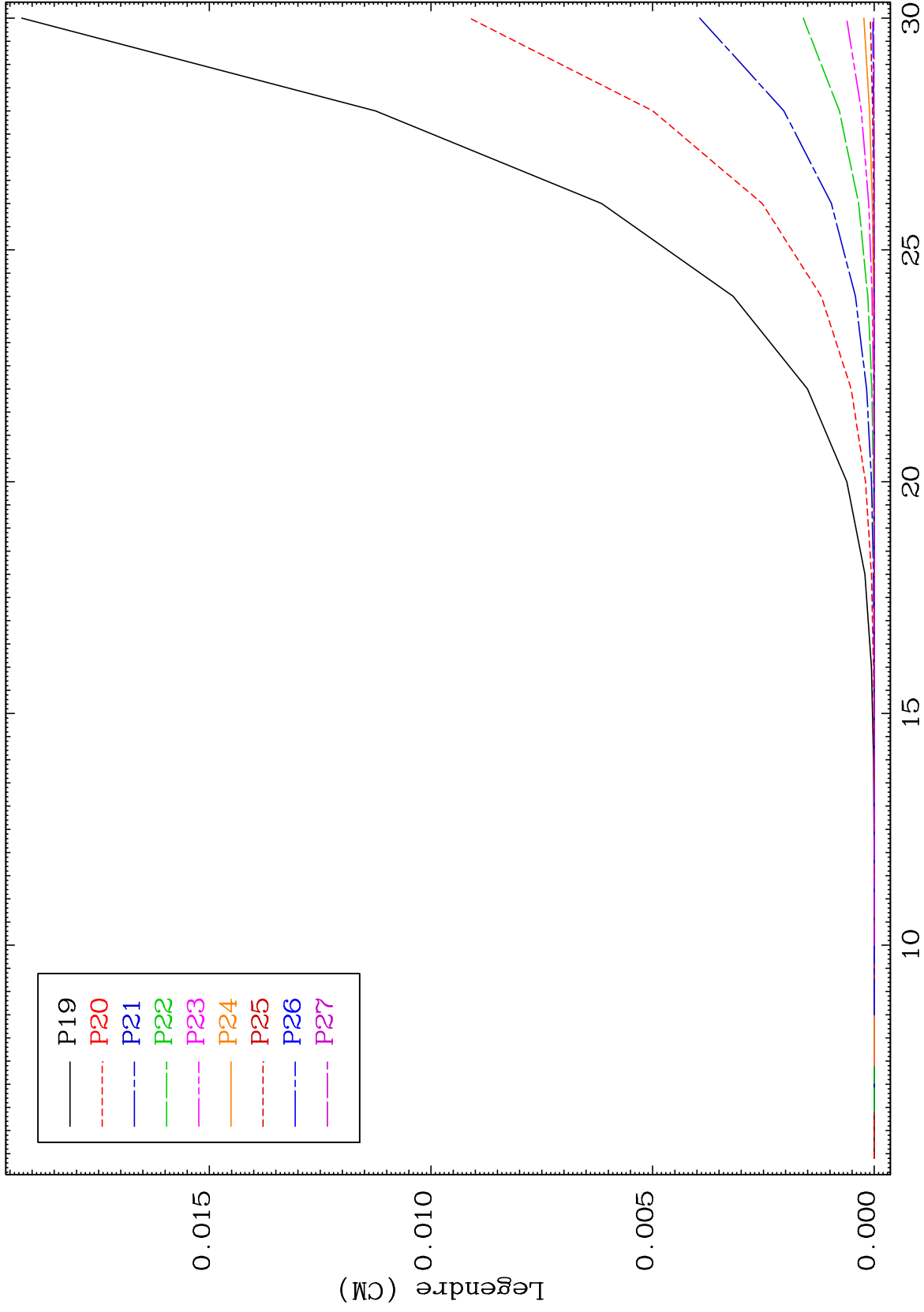
Incident Energy (MeV)

63-Eu-161

MAT 6355

### Elastic Legendre Coefficients

63-Eu-161



19

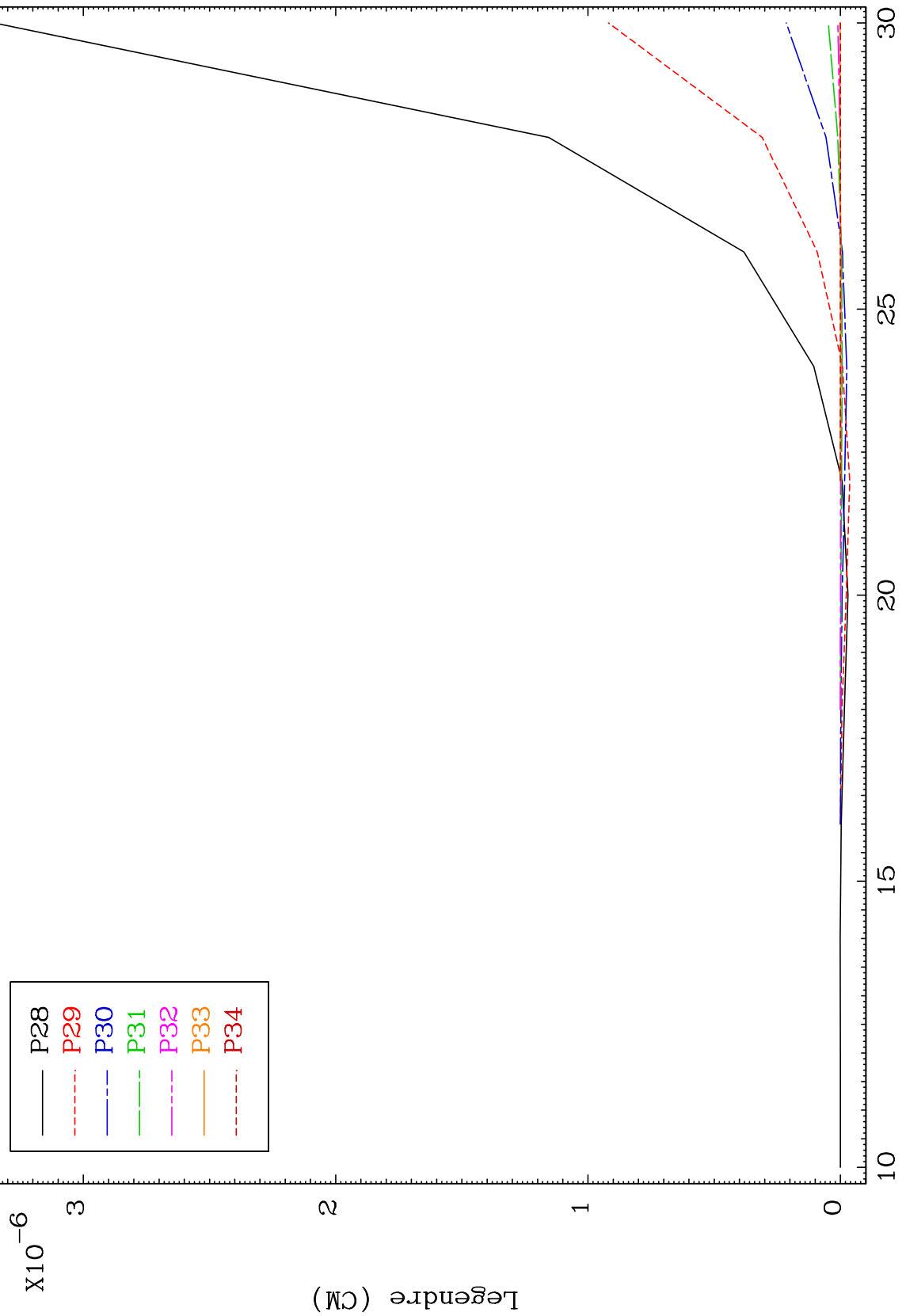
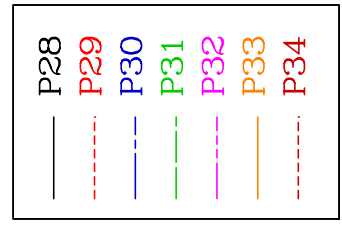
Incident Energy (MeV)

63-Eu-161

MAT 6355

Elastic Legendre Coefficients

63-Eu-161



63-Eu-161

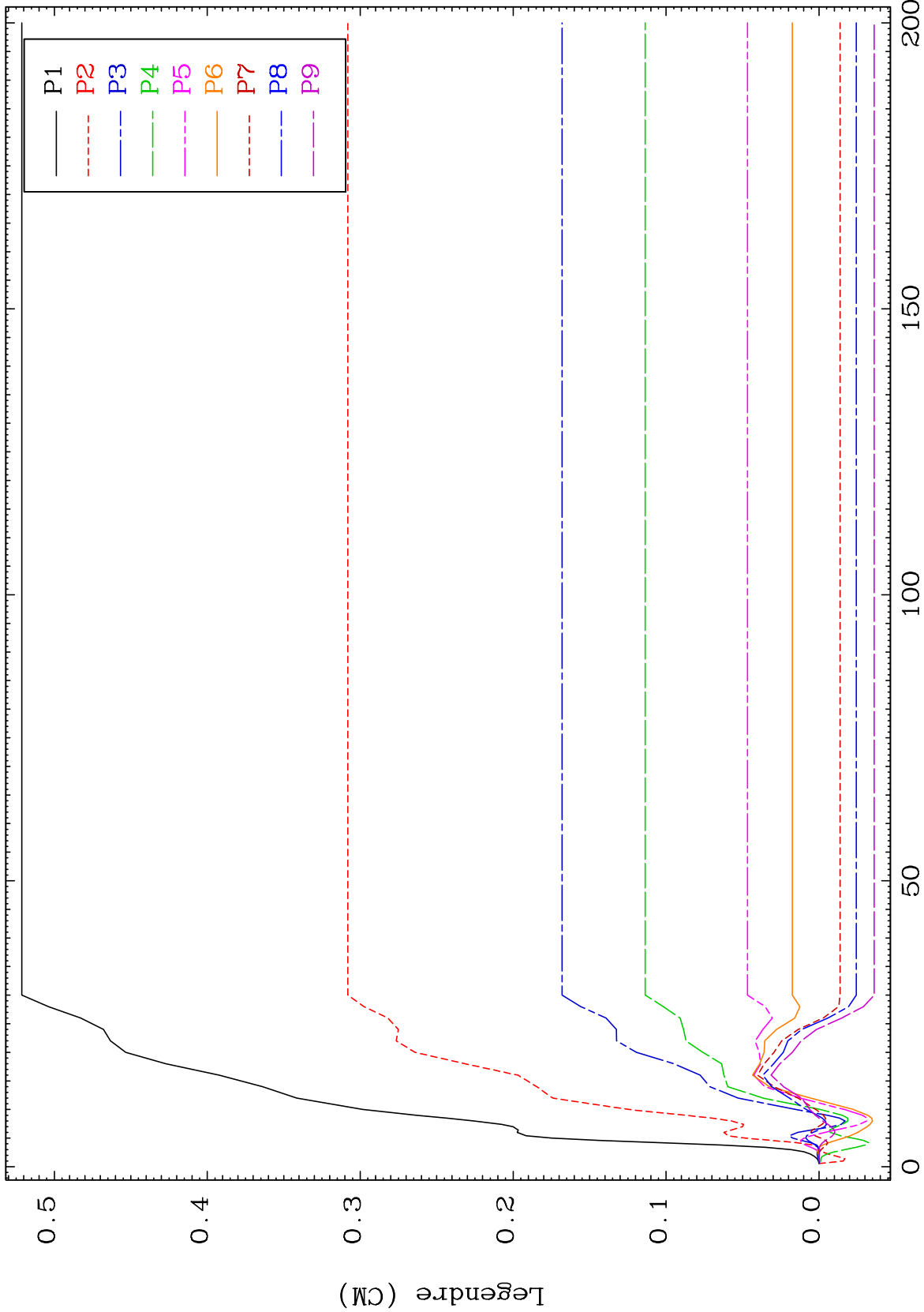
Incident Energy (MeV)

20

MAT 6355

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

63-Eu-161



21

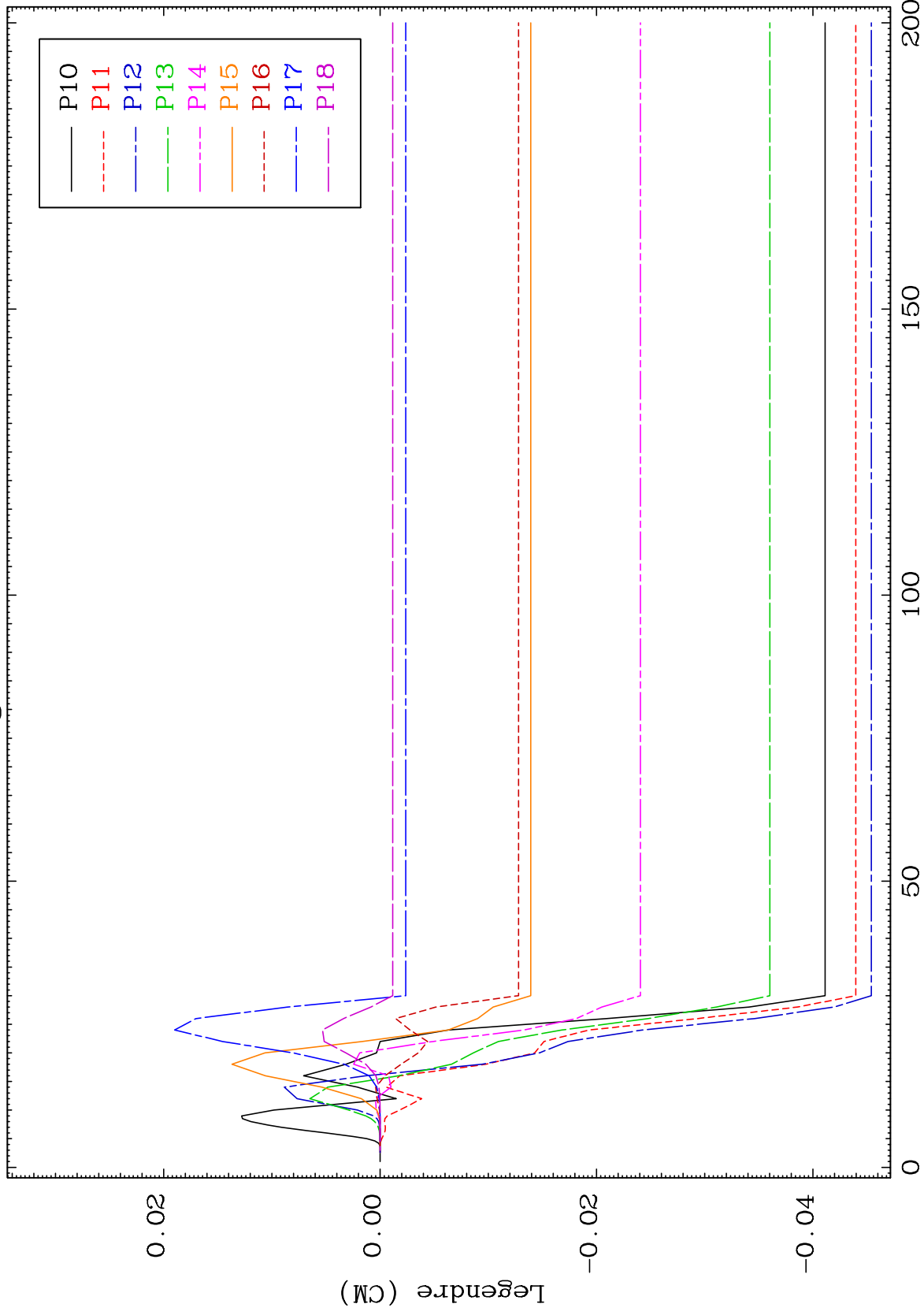
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



22

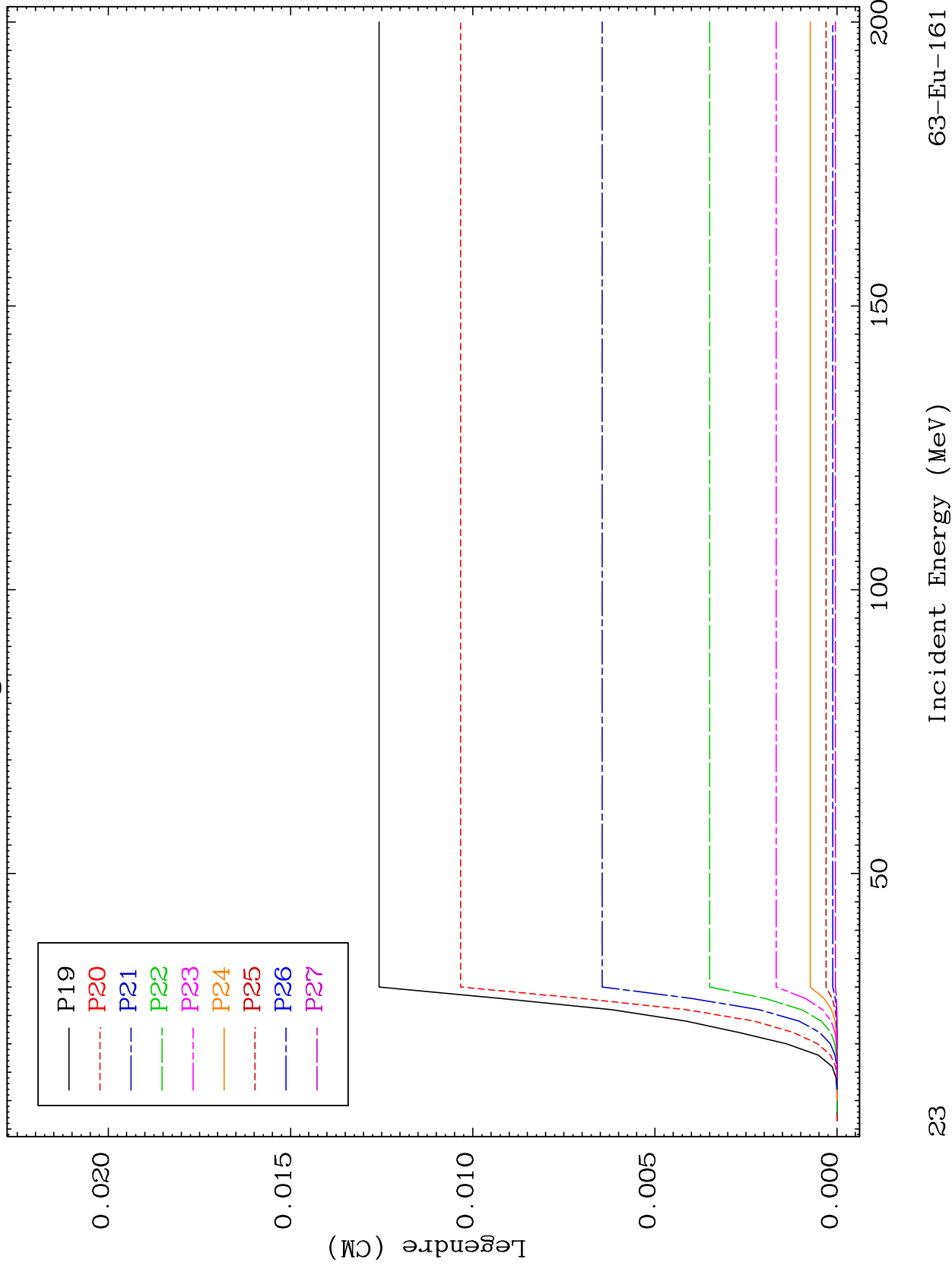
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



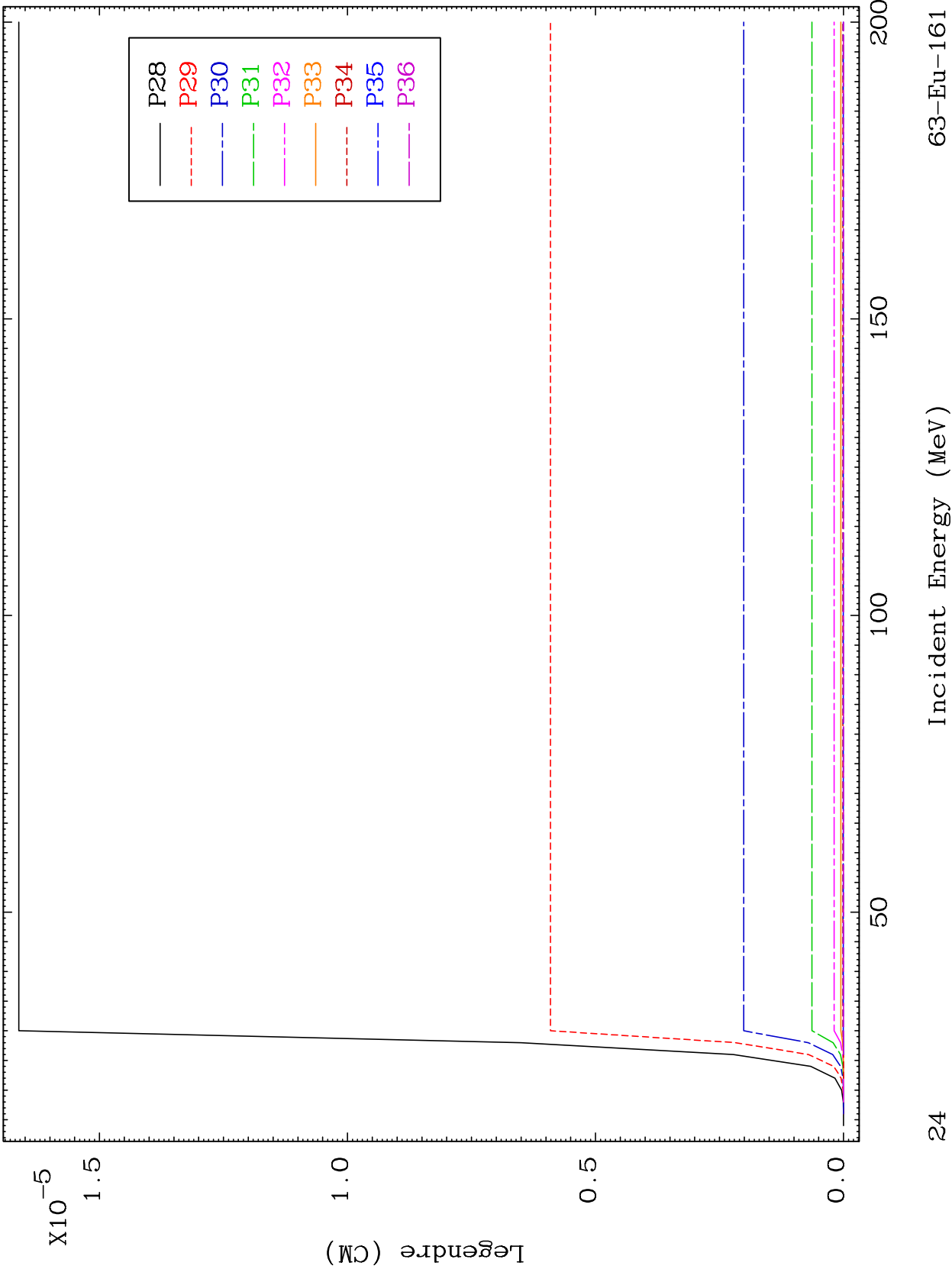
23

63-Eu-161

MAT 6355

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

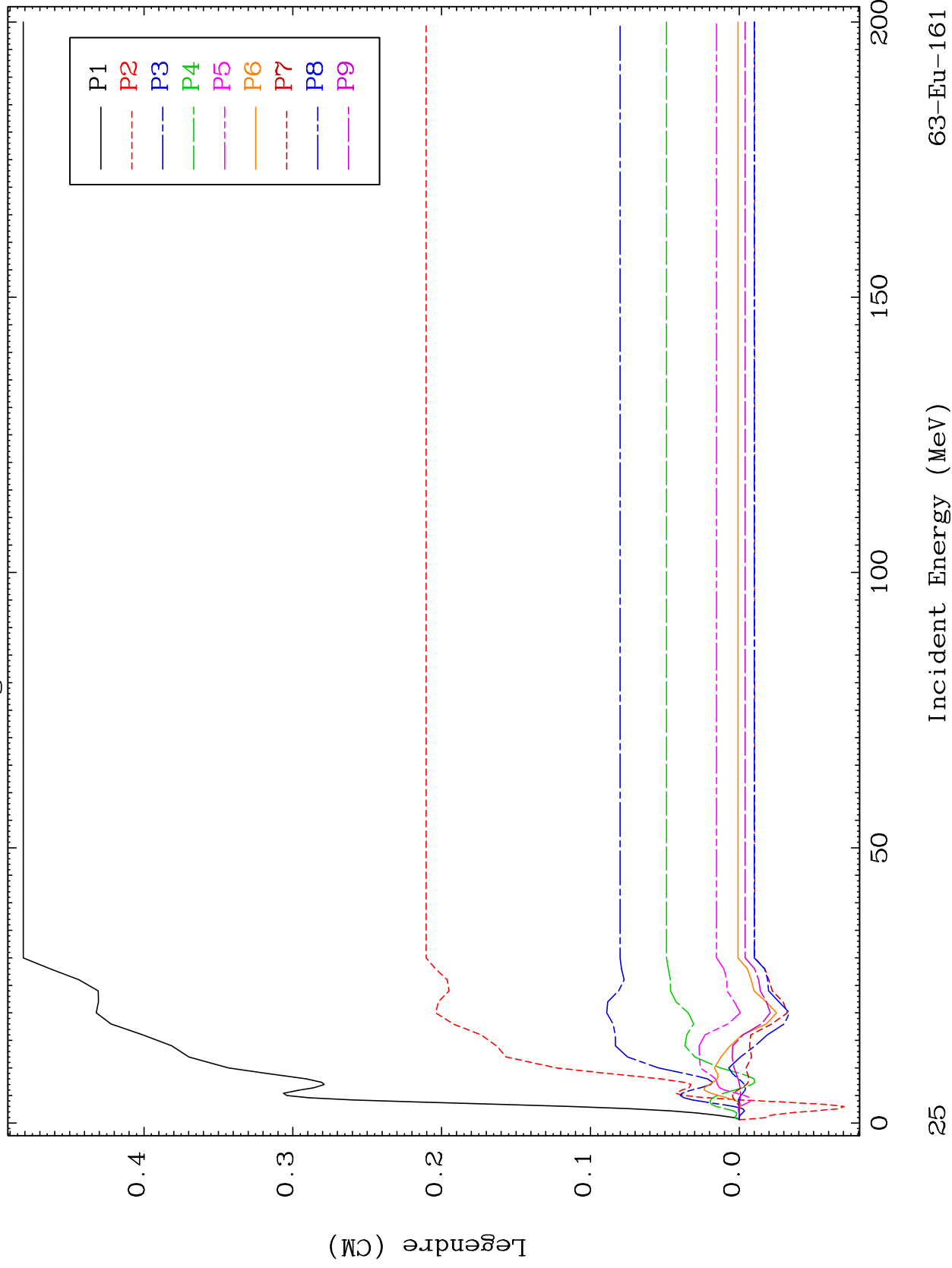
63-Eu-161



MAT 6355

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

63-Eu-161



63-Eu-161

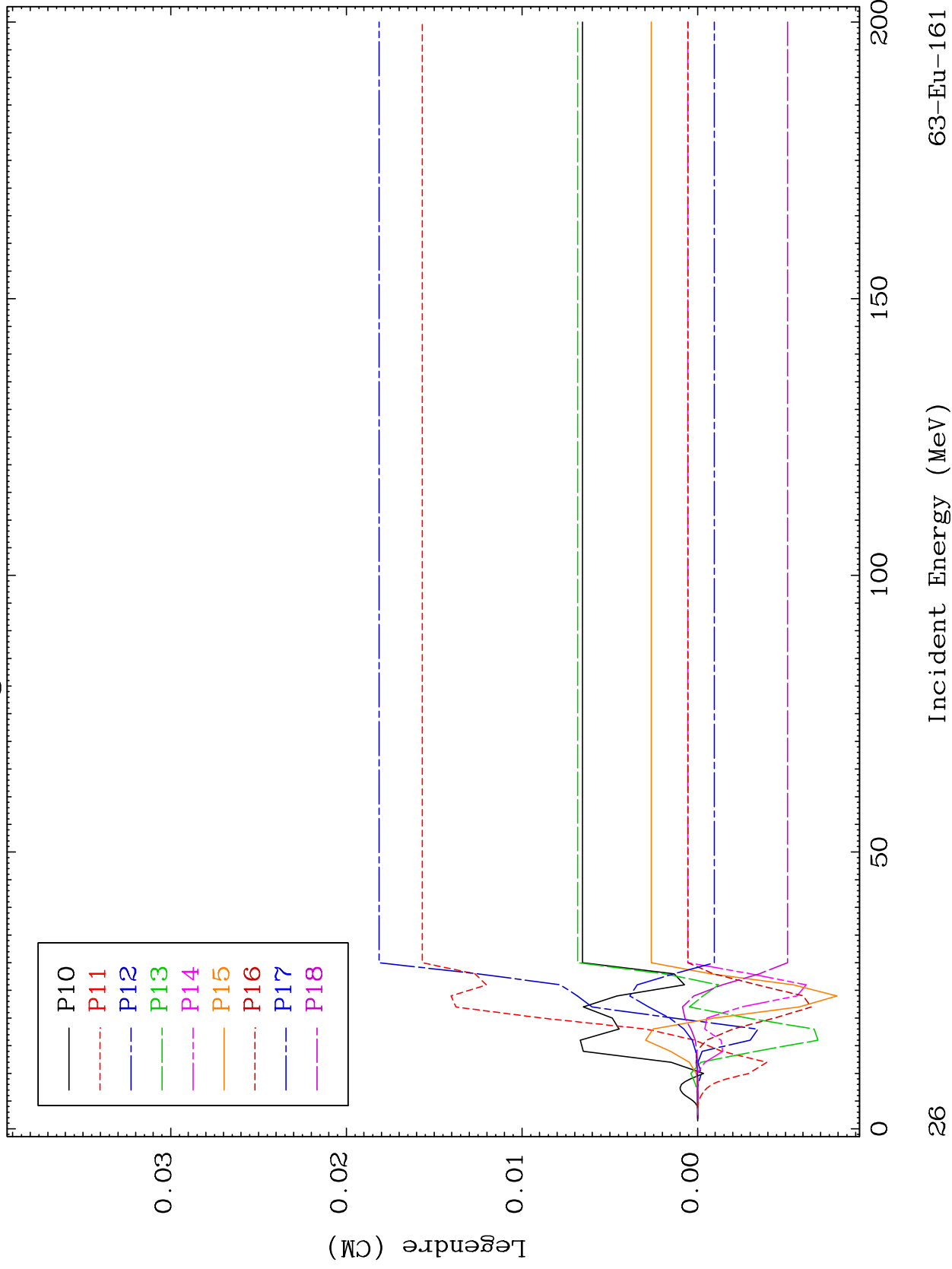
Incident Energy (MeV)

25

MAT 6355

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

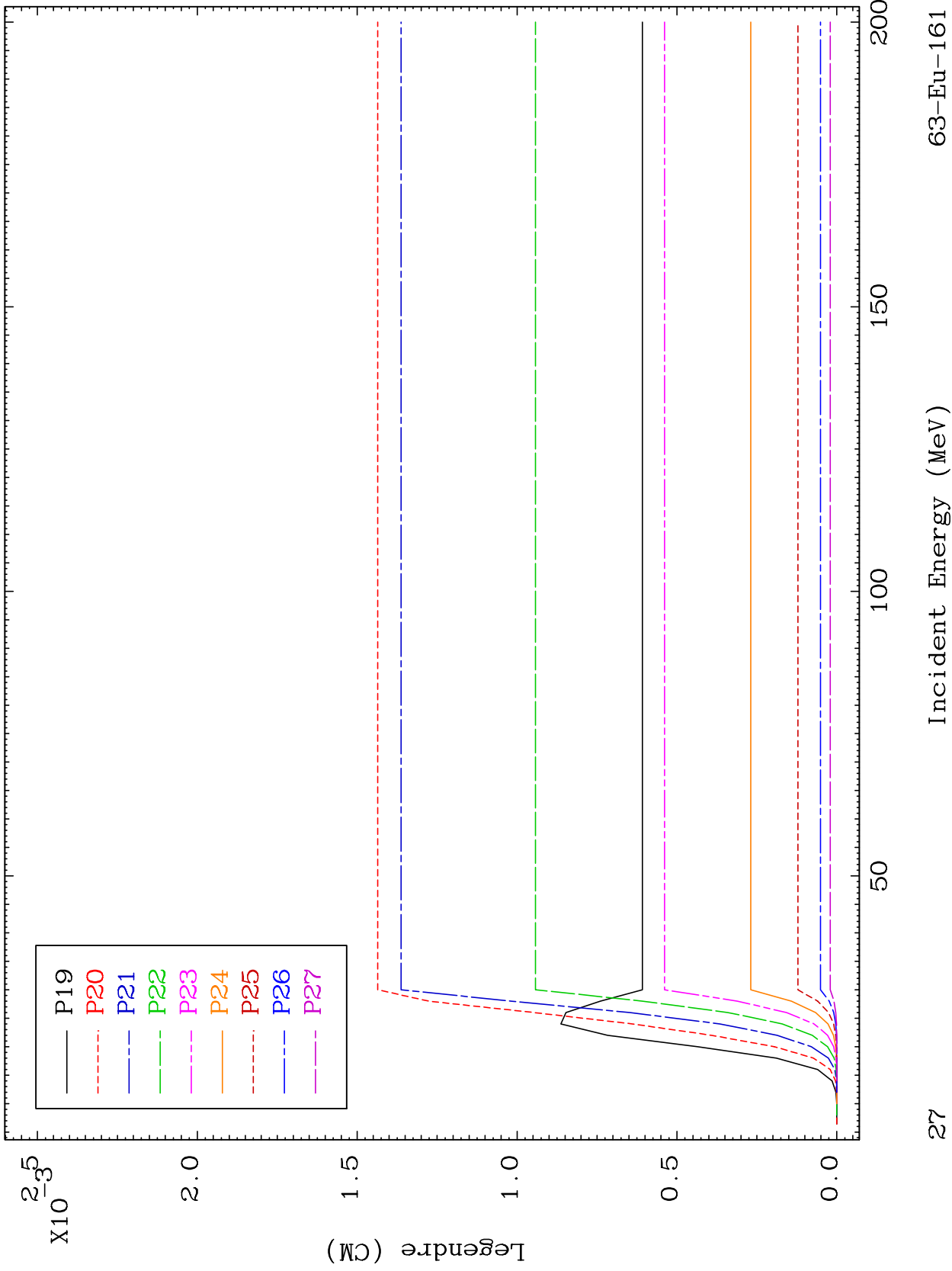
63-Eu-161



26

Incident Energy (MeV)

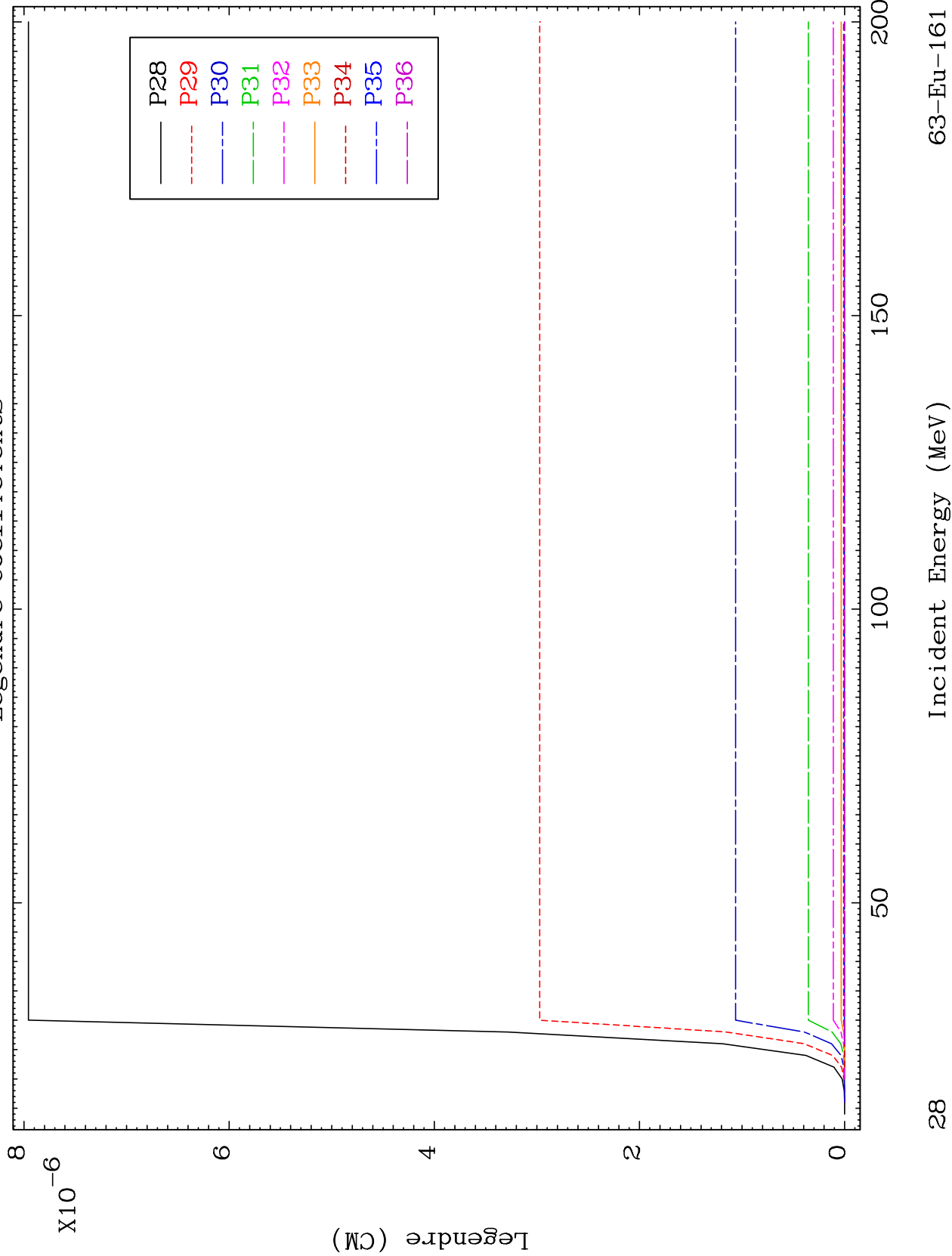
63-Eu-161



MAT 6355

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

63-Eu-161



28

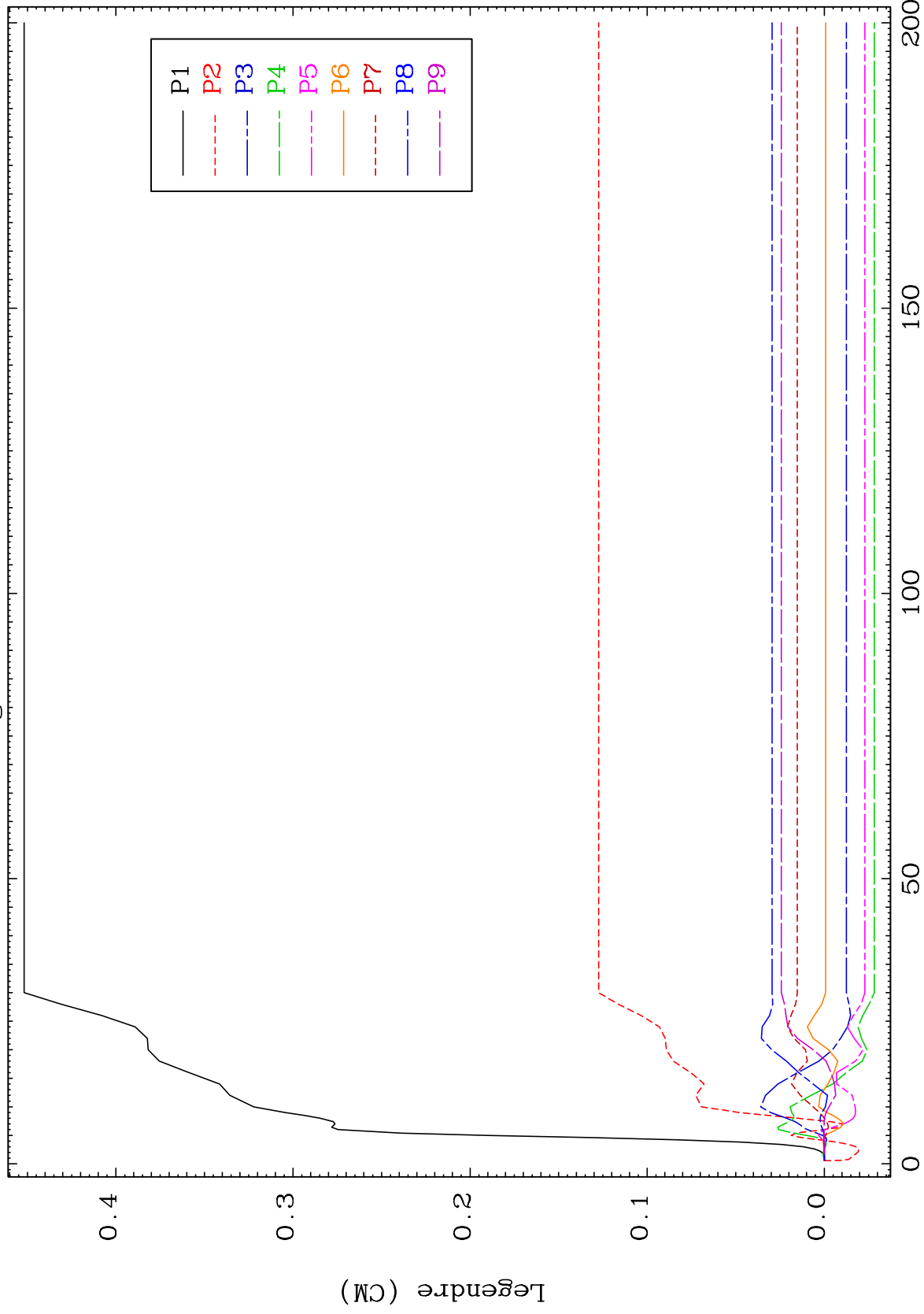
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



29

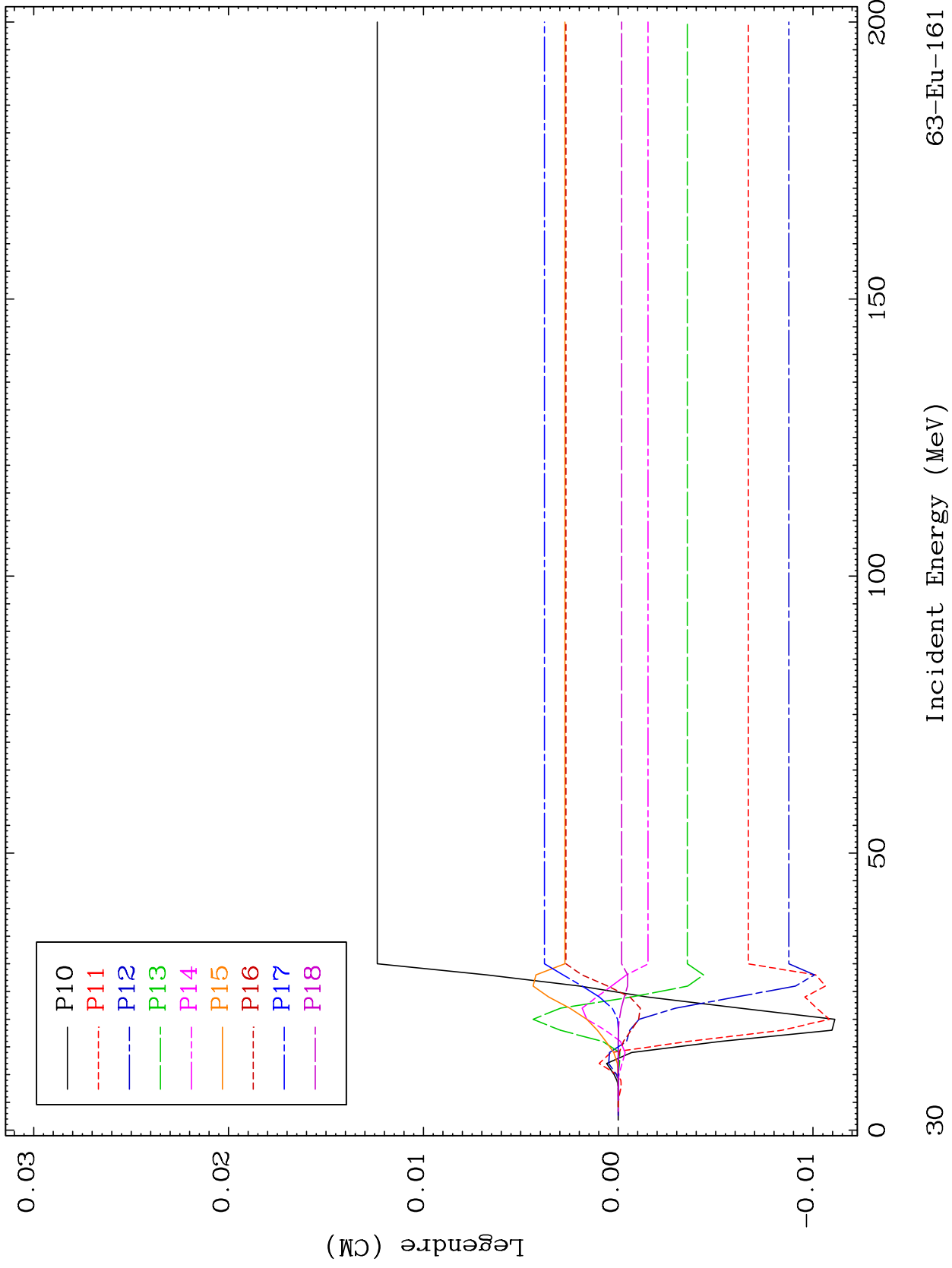
Incident Energy (MeV)

63-Eu-161

MAT 6355

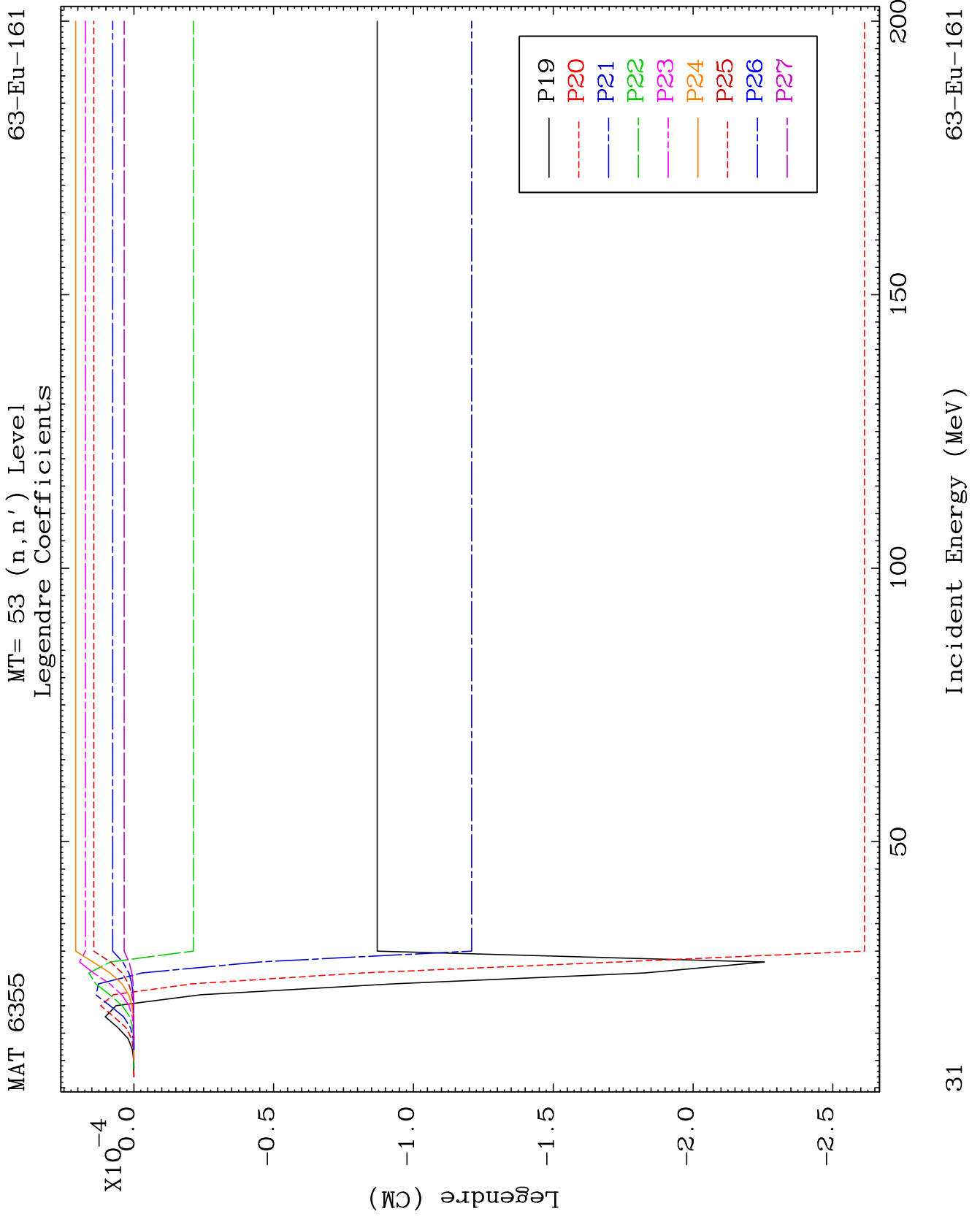
MT= 53 (n,n') Level  
Legendre Coefficients

63-Eu-161



63-Eu-161

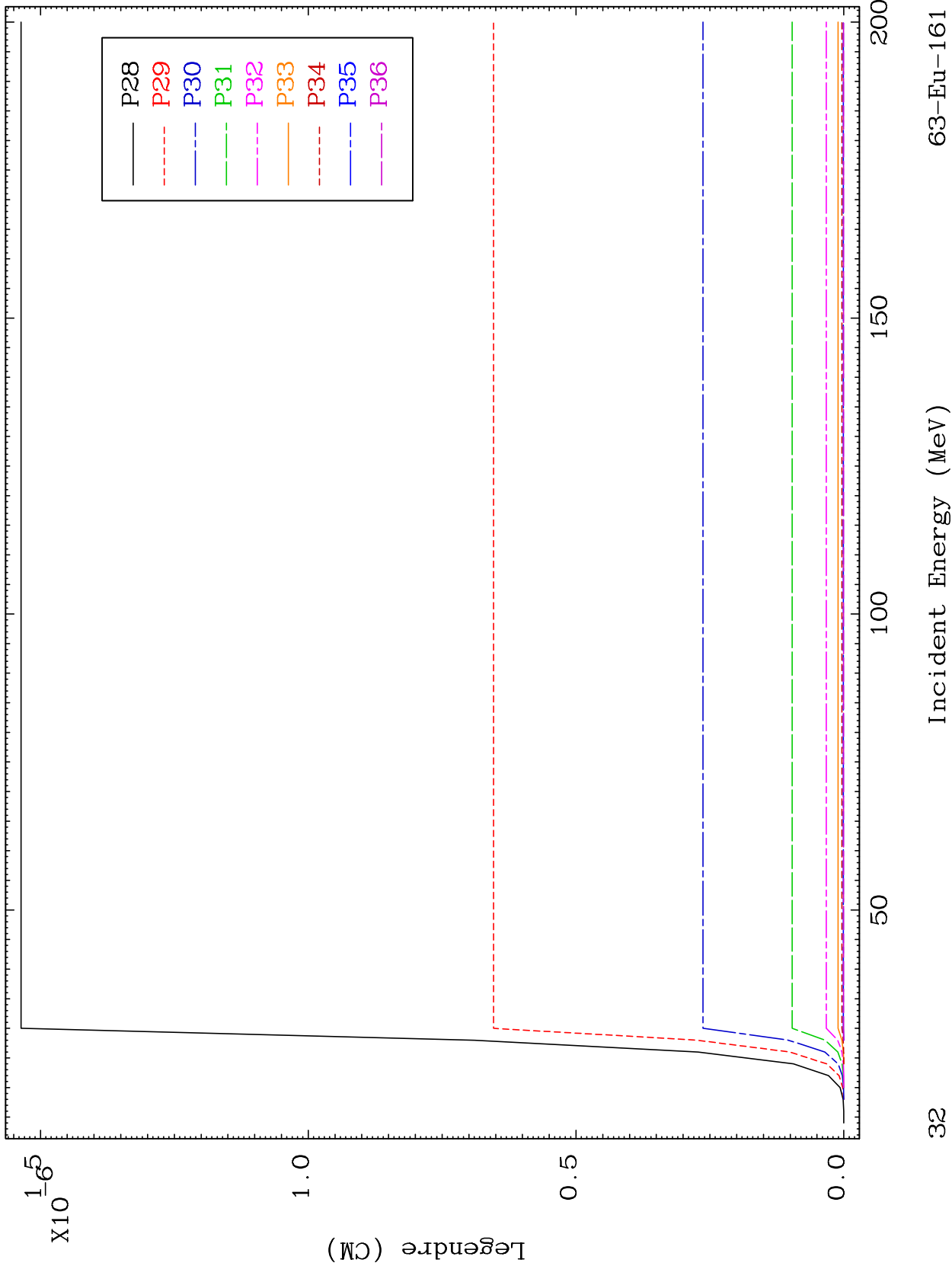
Incident Energy (MeV)



MAT 6355

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

63-Eu-161



32

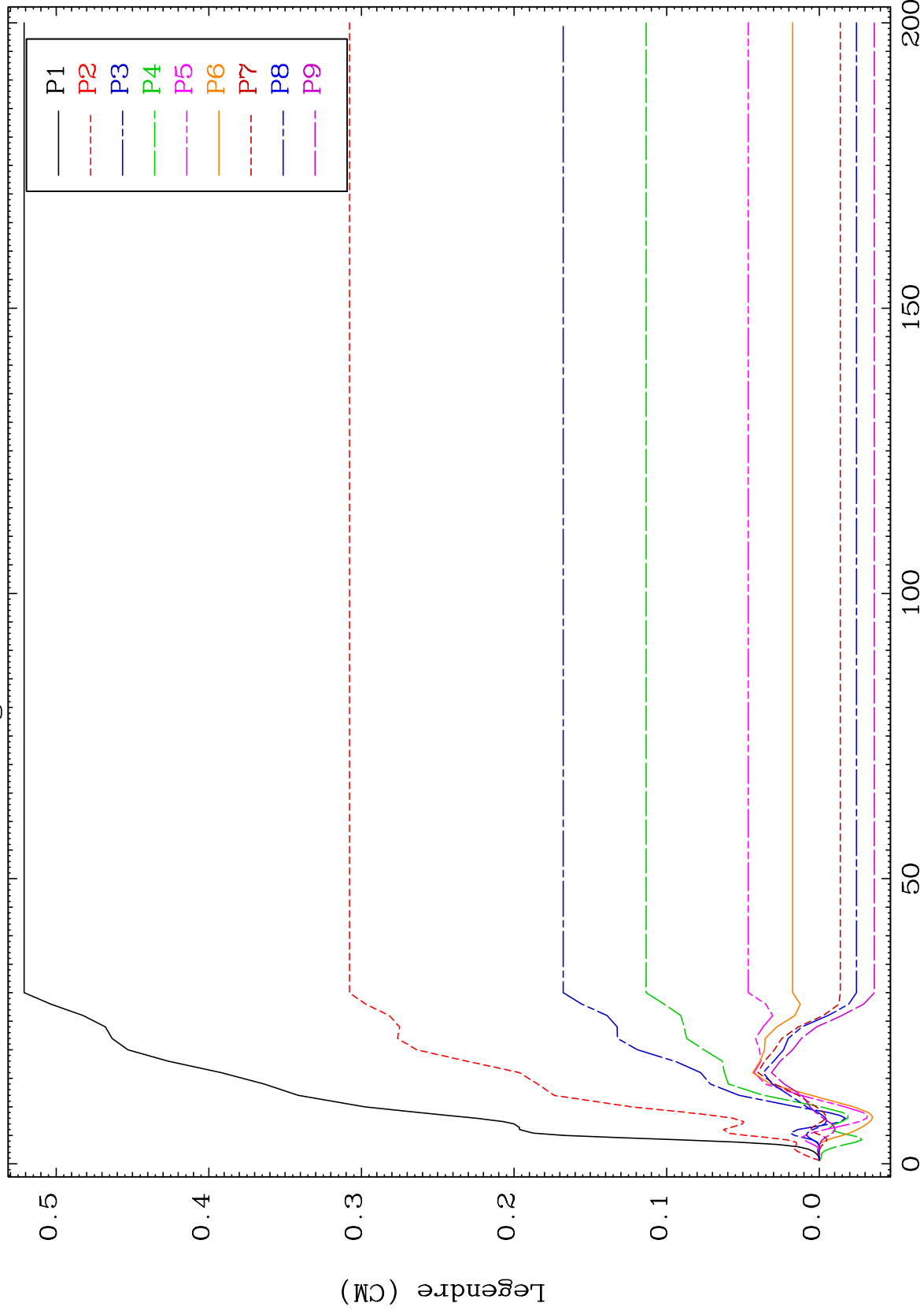
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



33

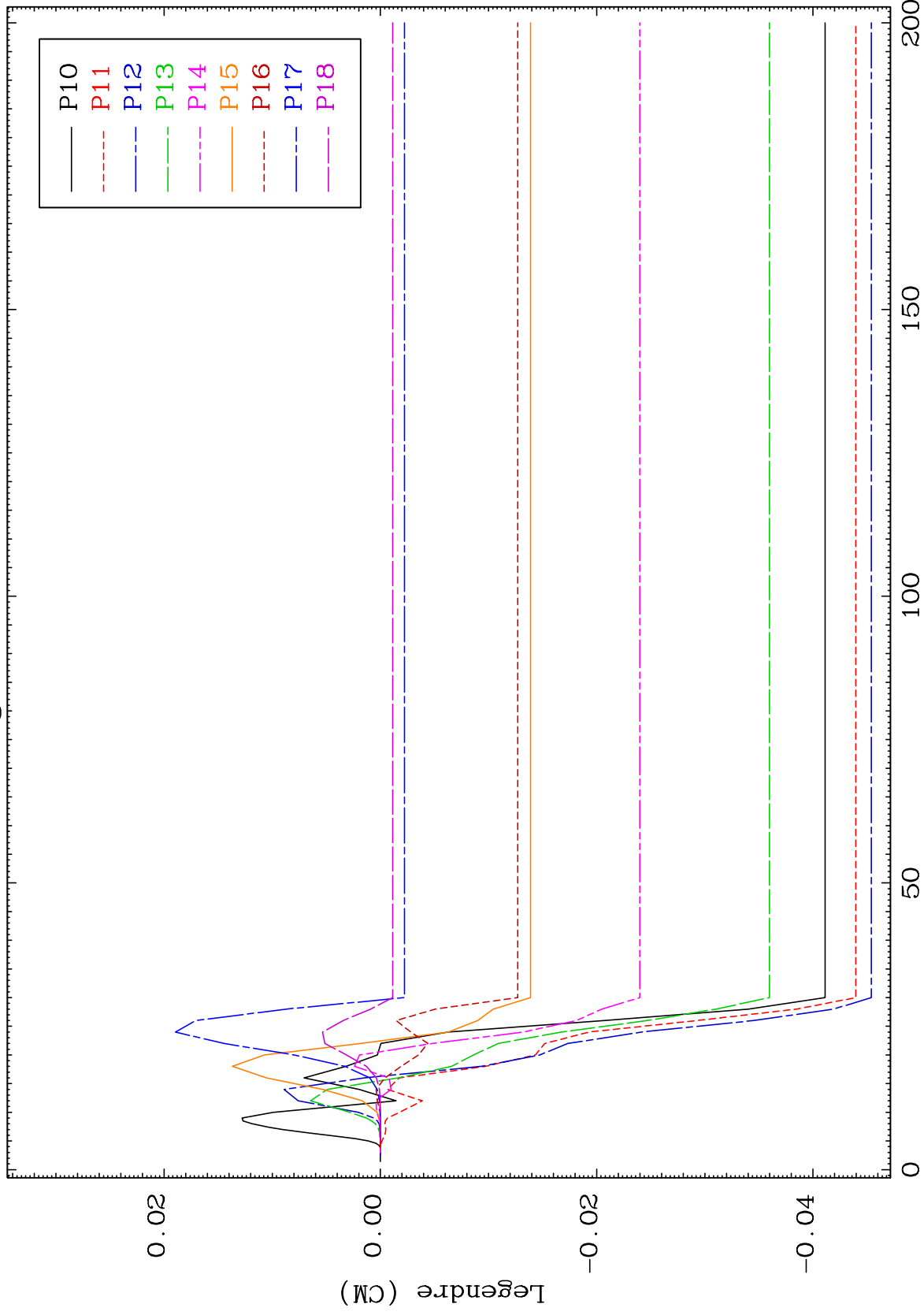
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



34

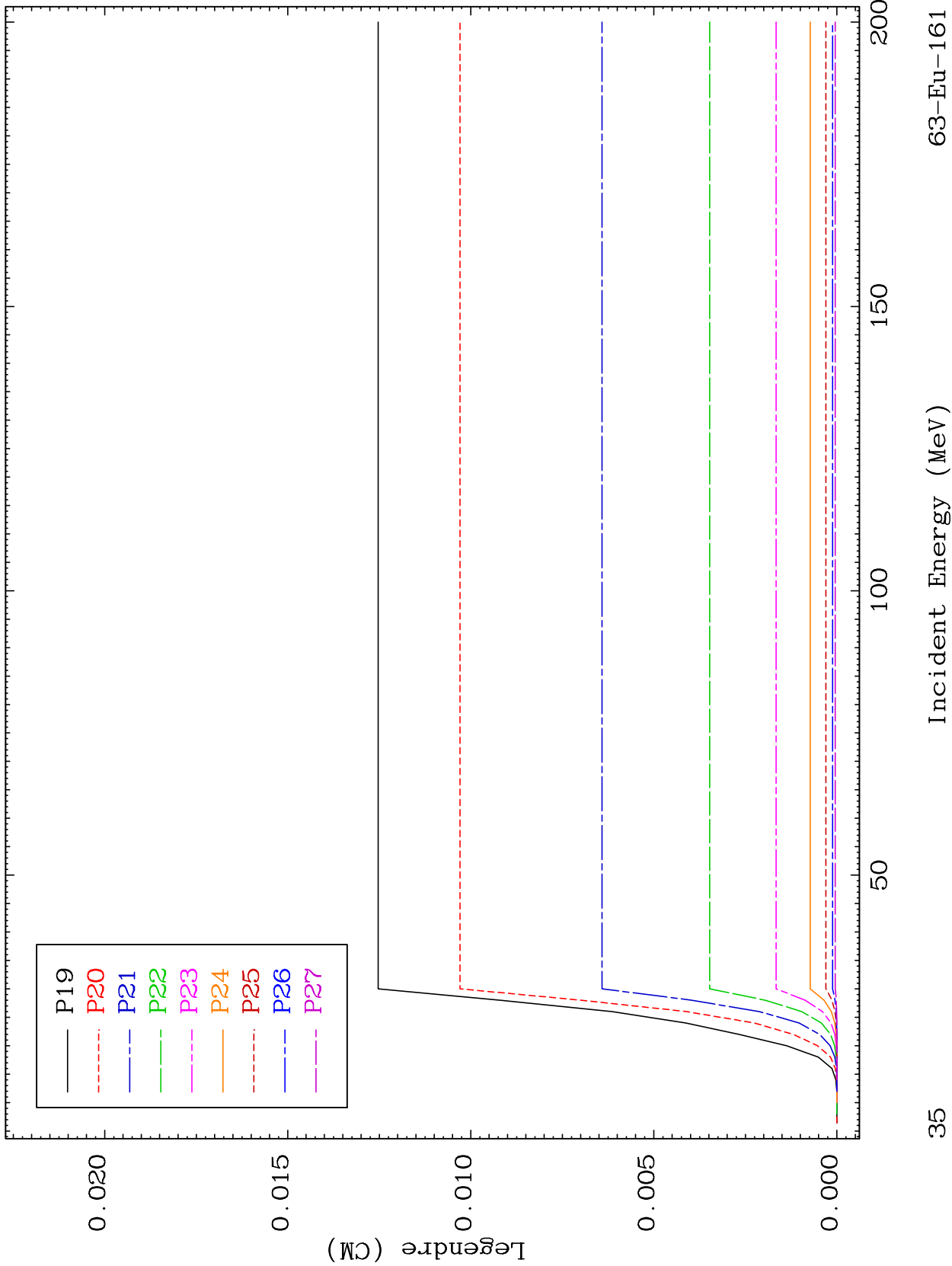
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



35

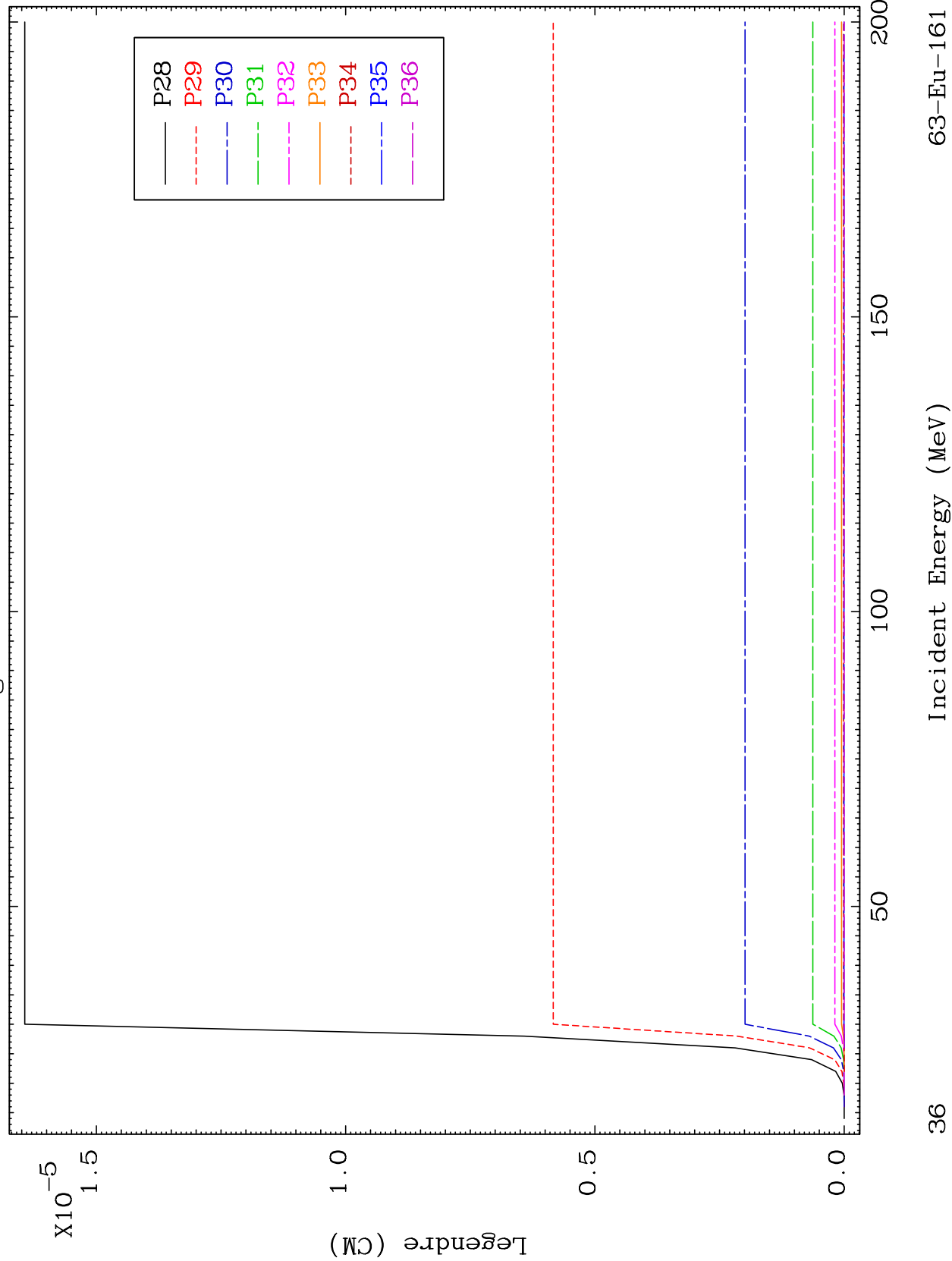
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

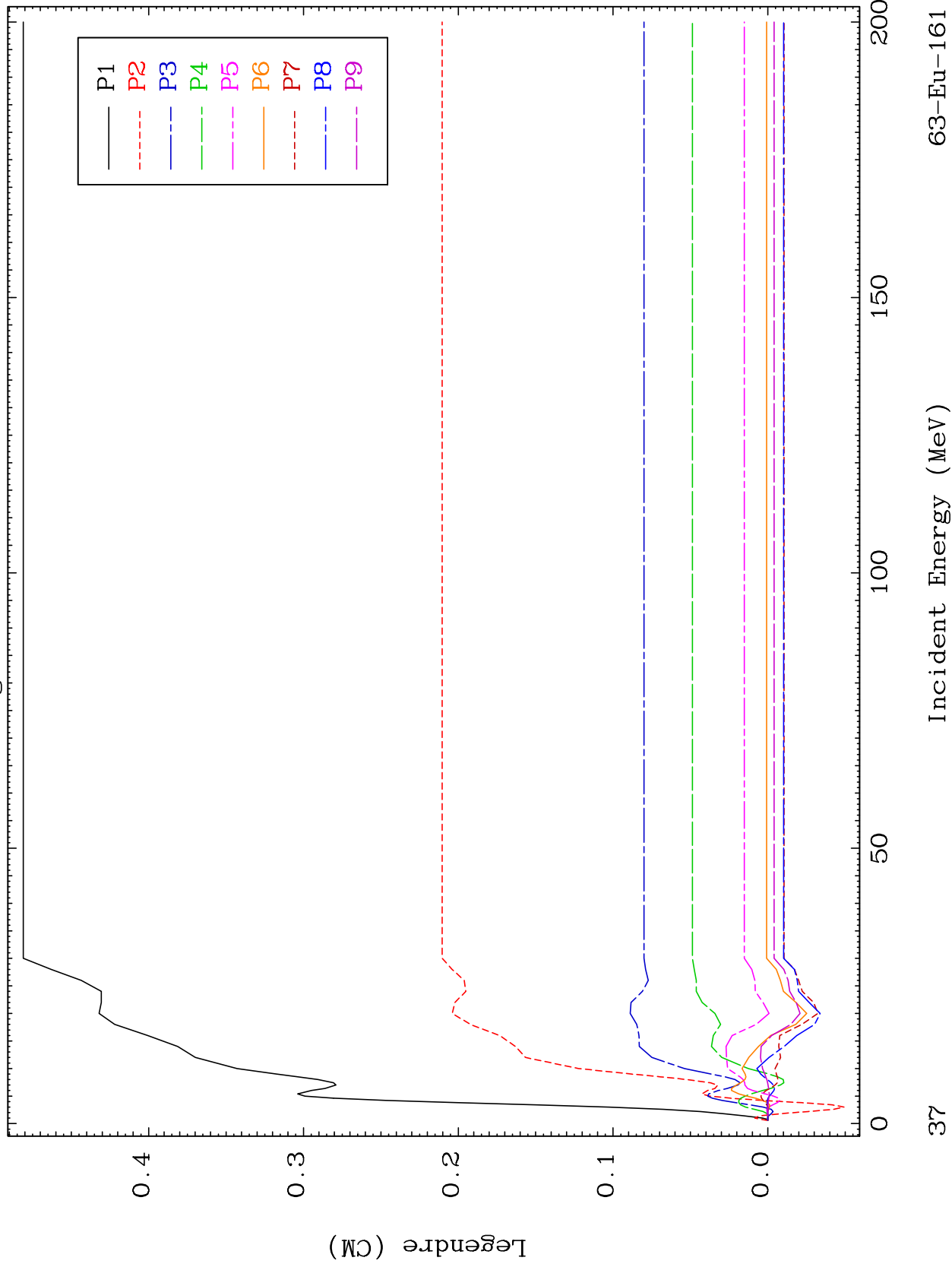
63-Eu-161



MAT 6355

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

63-Eu-161



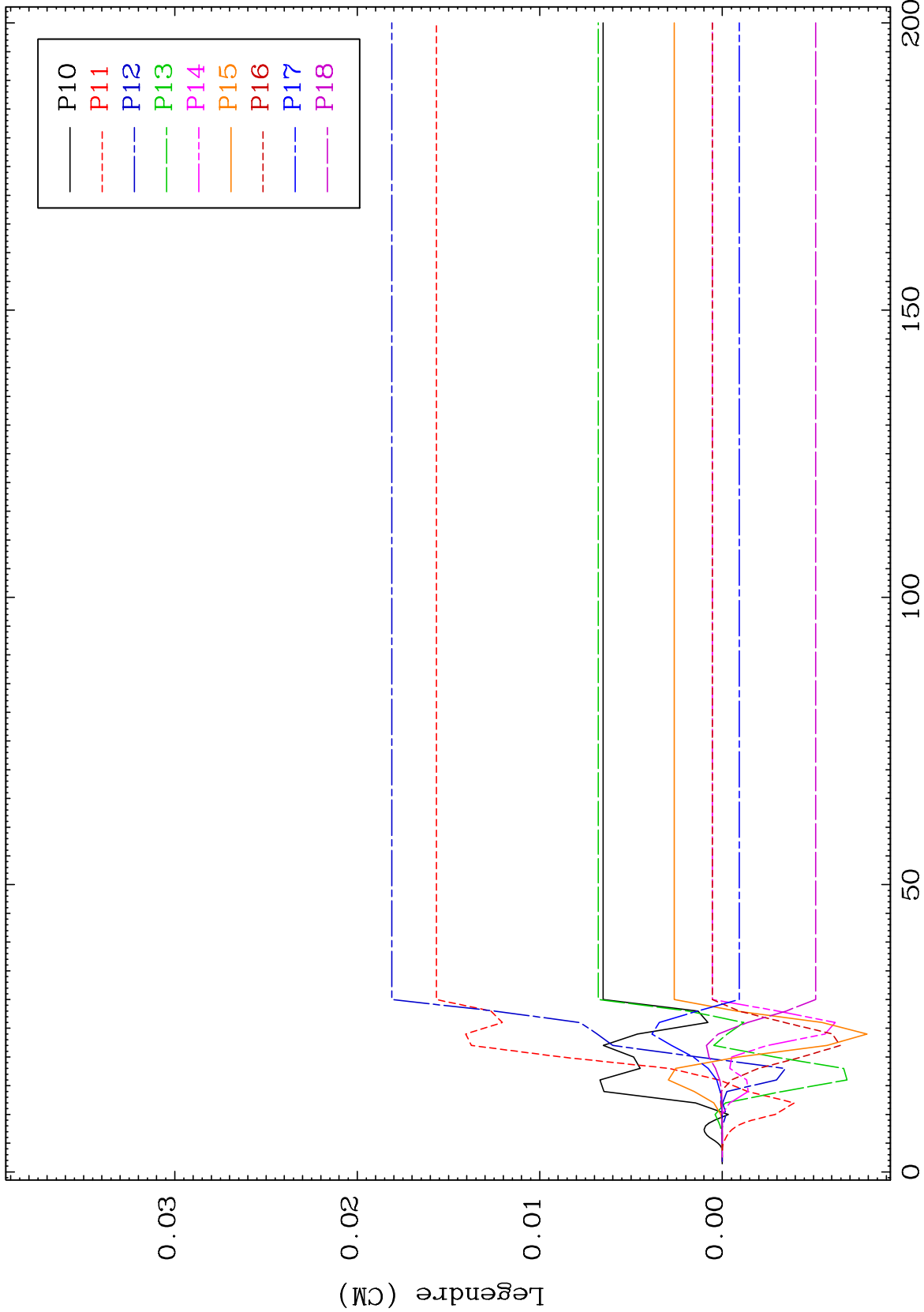
37

63-Eu-161

MAT 6355

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

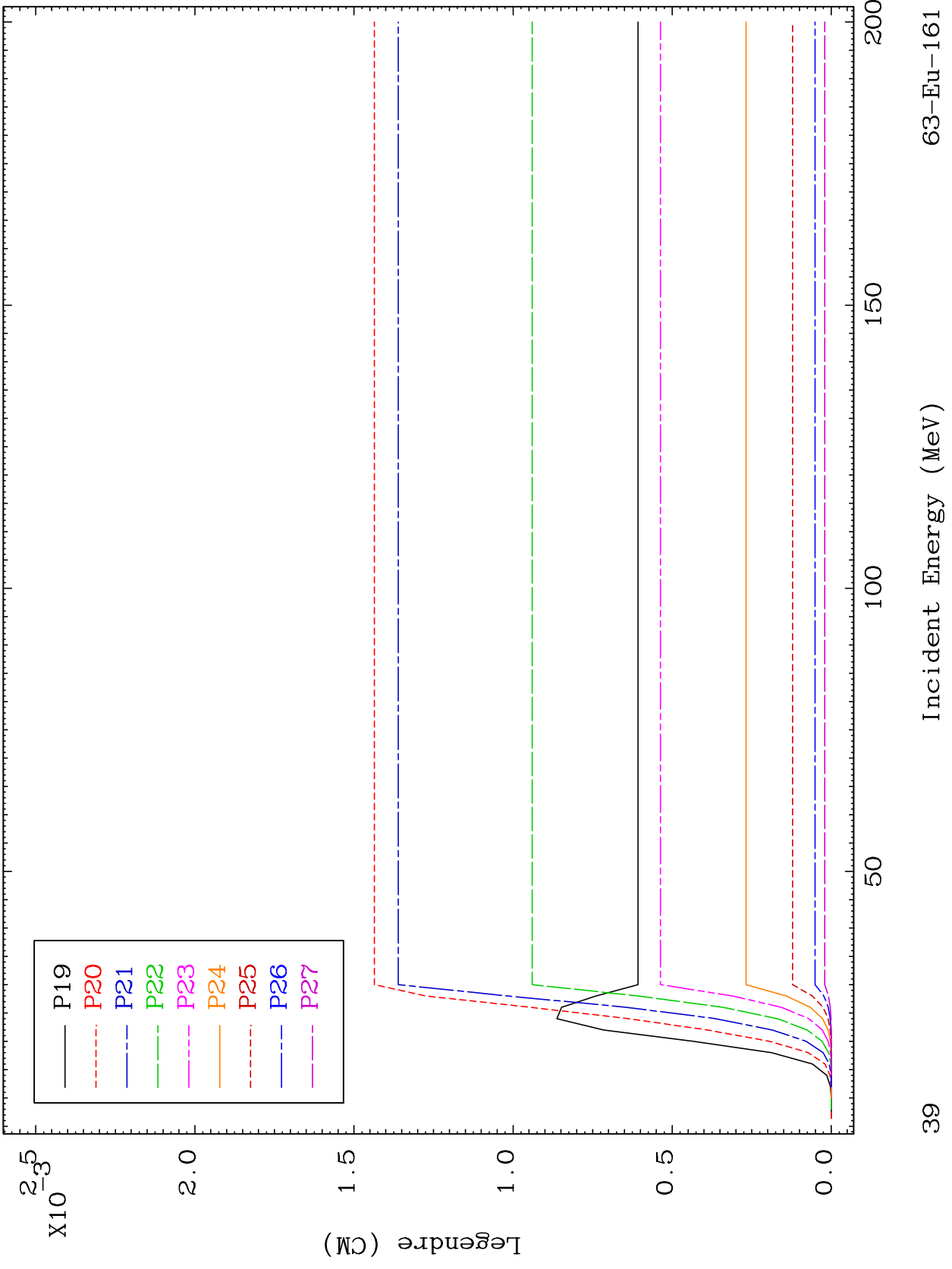
63-Eu-161

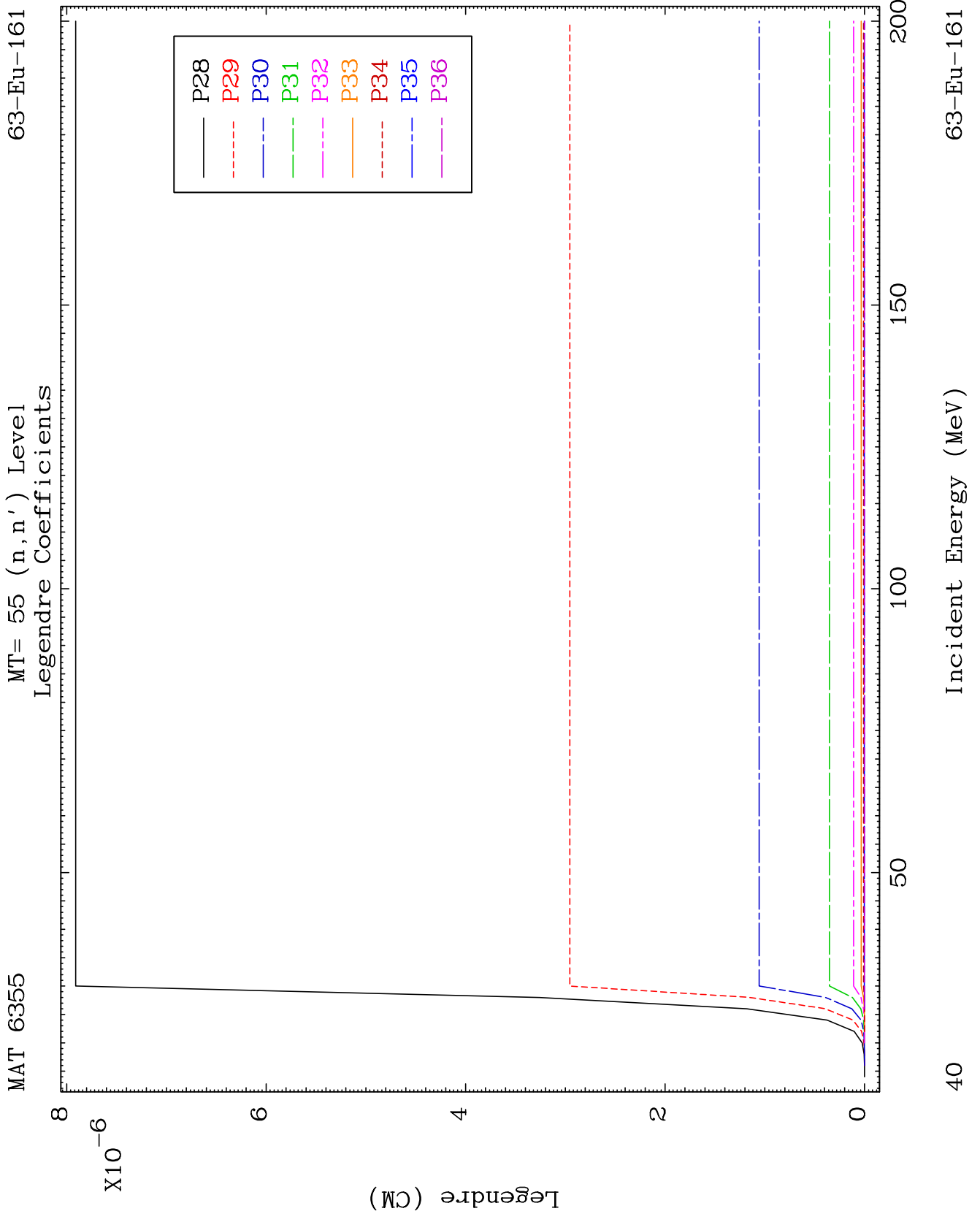


38

Incident Energy (MeV)

63-Eu-161

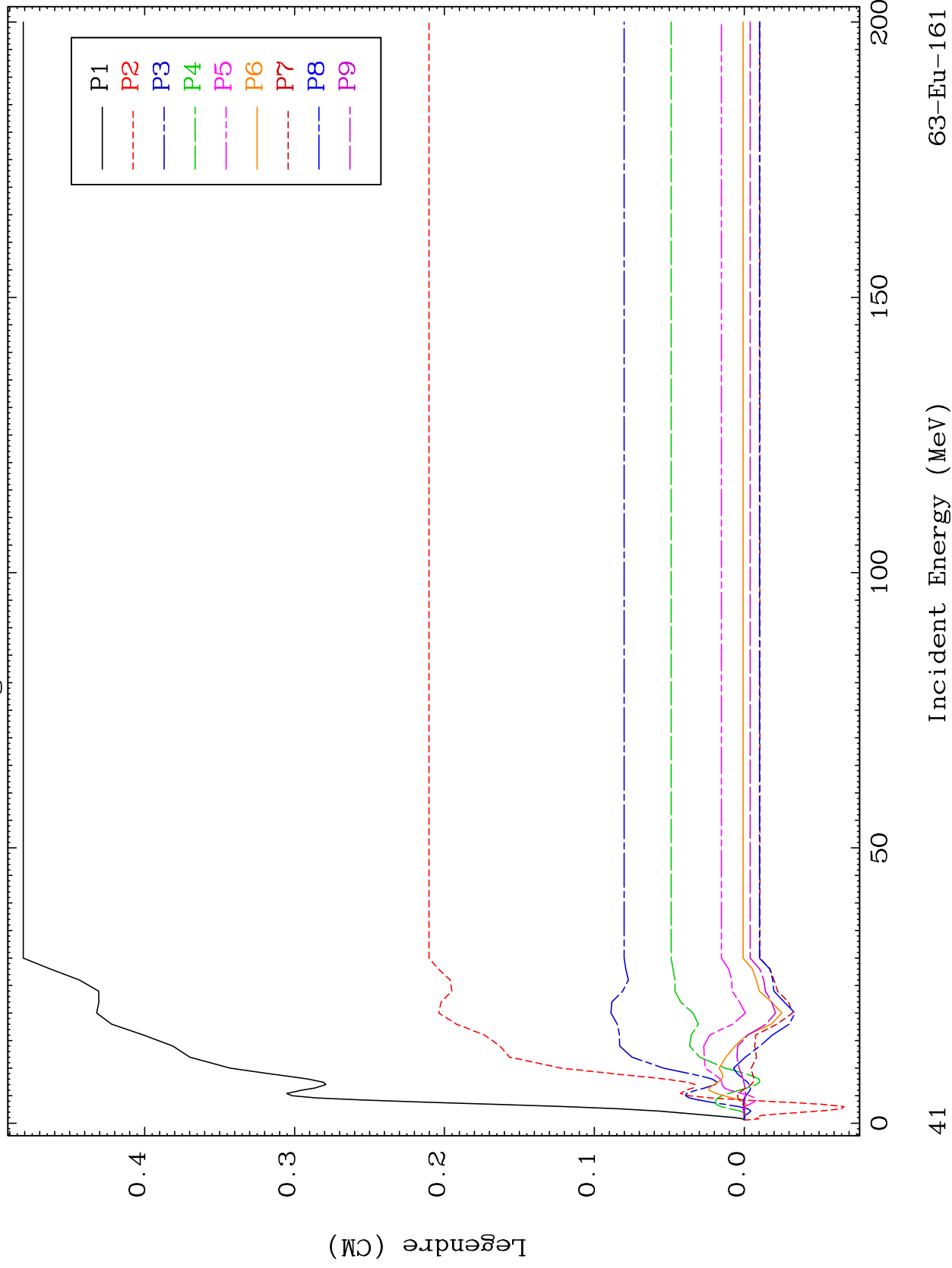




MAT 6355

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

63-Eu-161



63-Eu-161

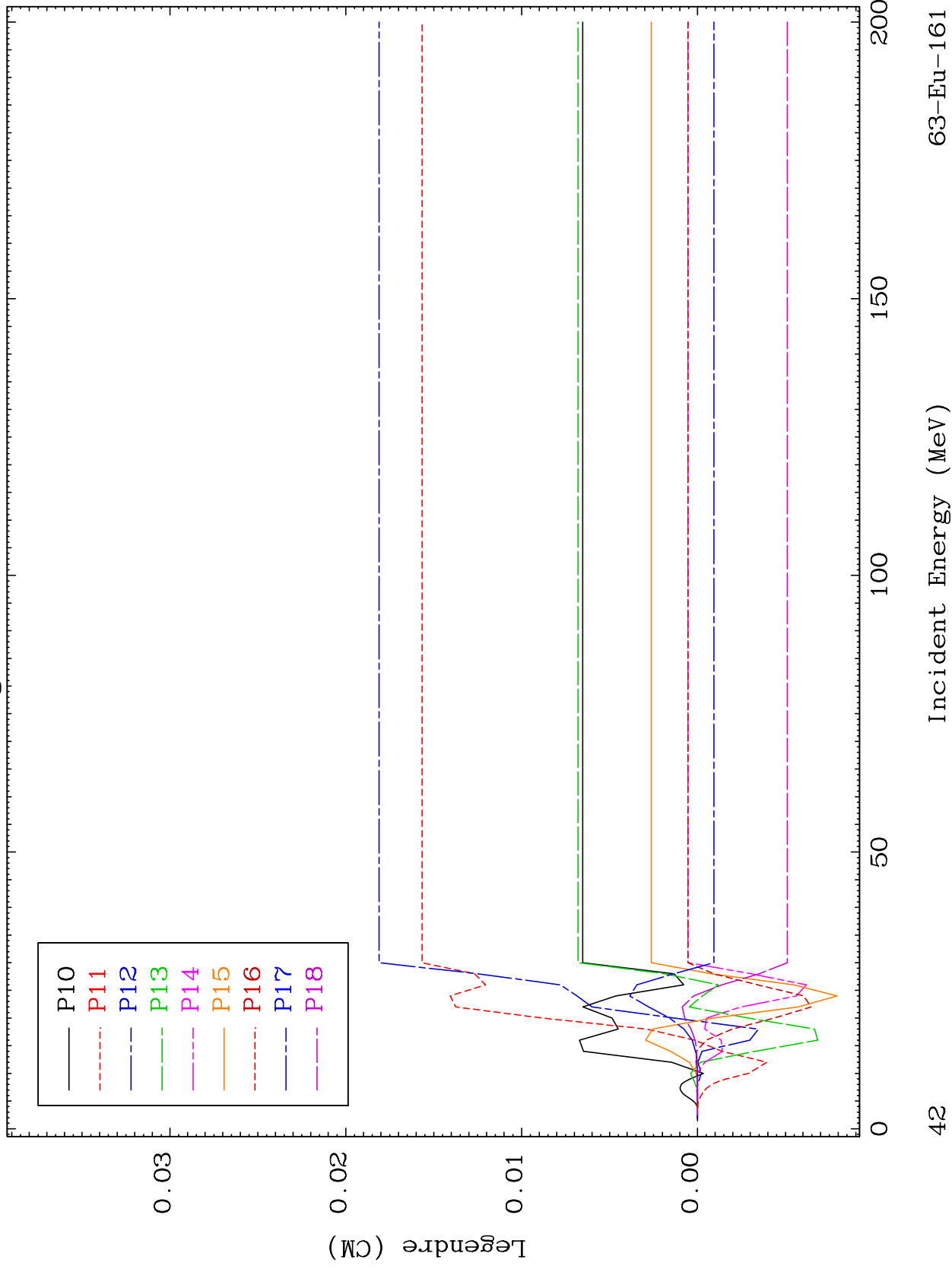
Incident Energy (MeV)

41

MAT 6355

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

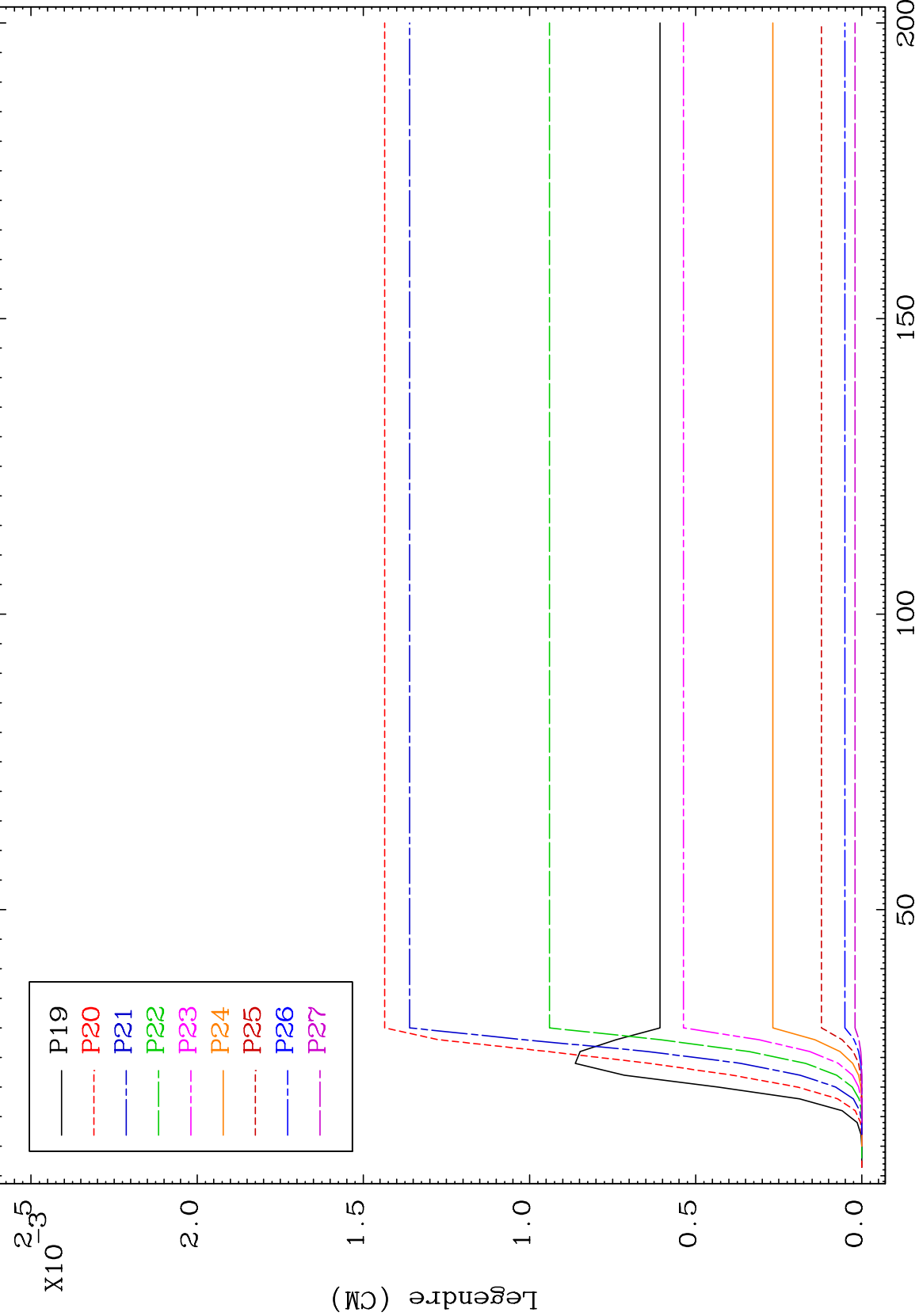
63-Eu-161

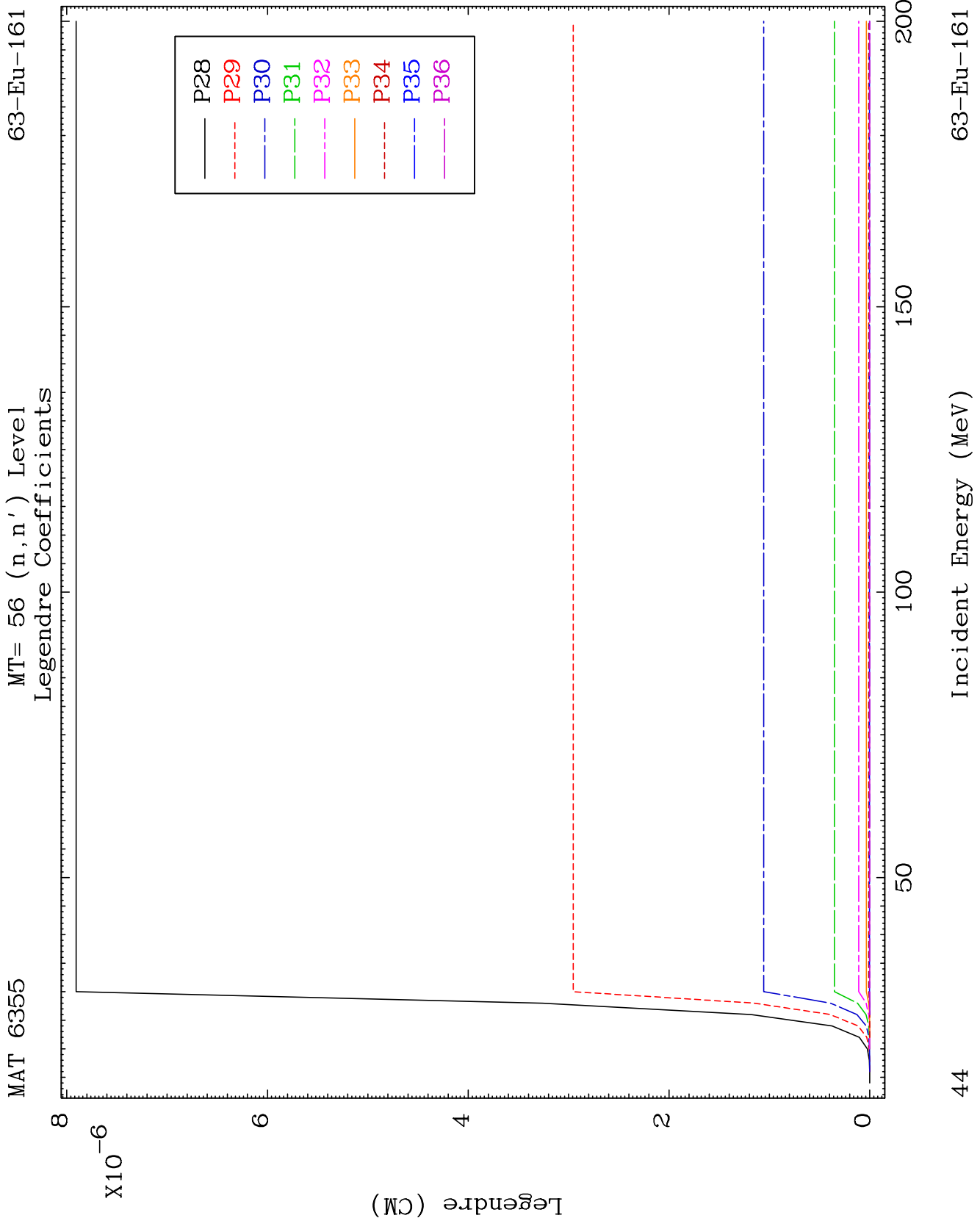


63-Eu-161

Incident Energy (MeV)

42

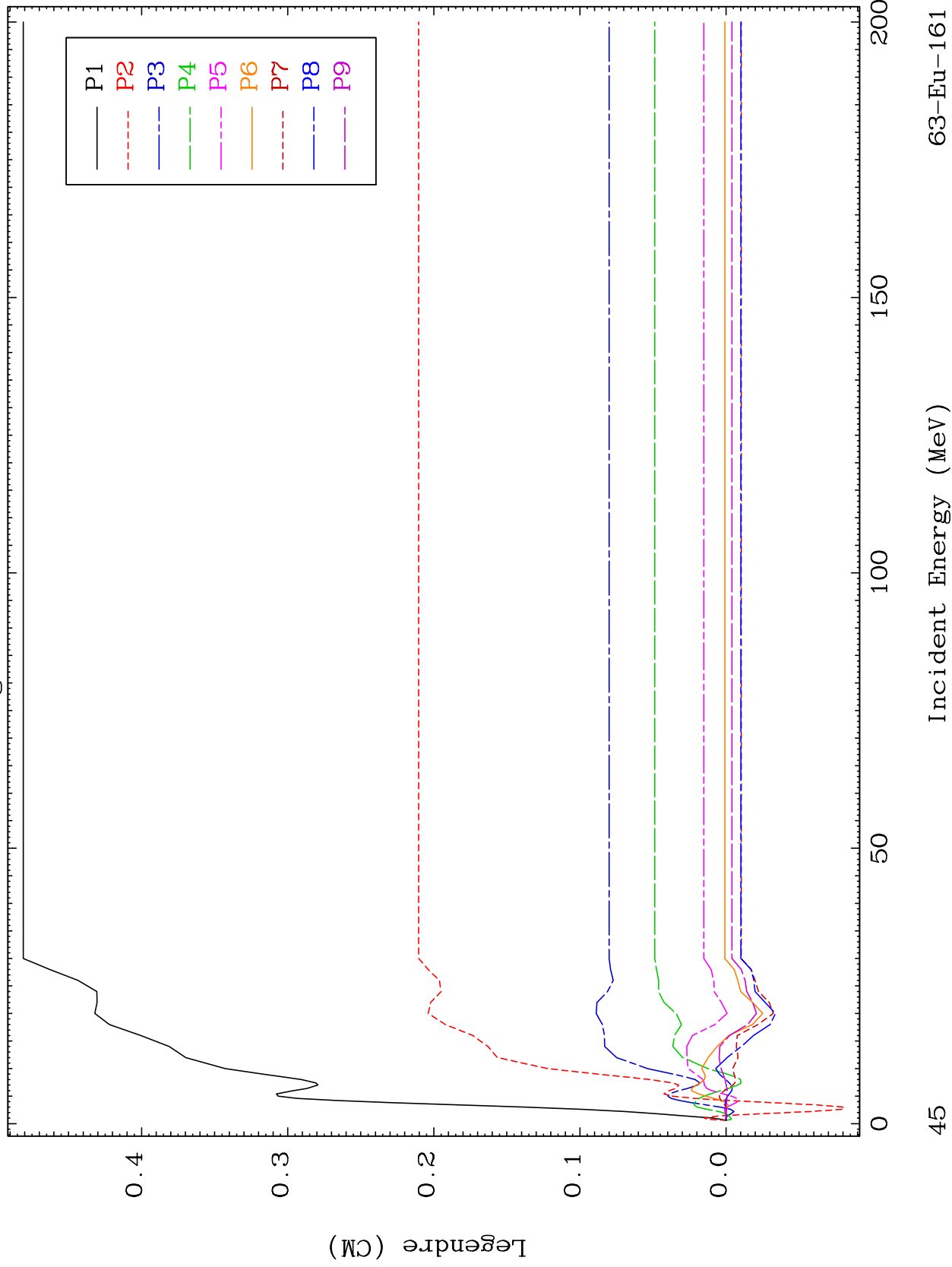




MAT 6355

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

63-Eu-161



63-Eu-161

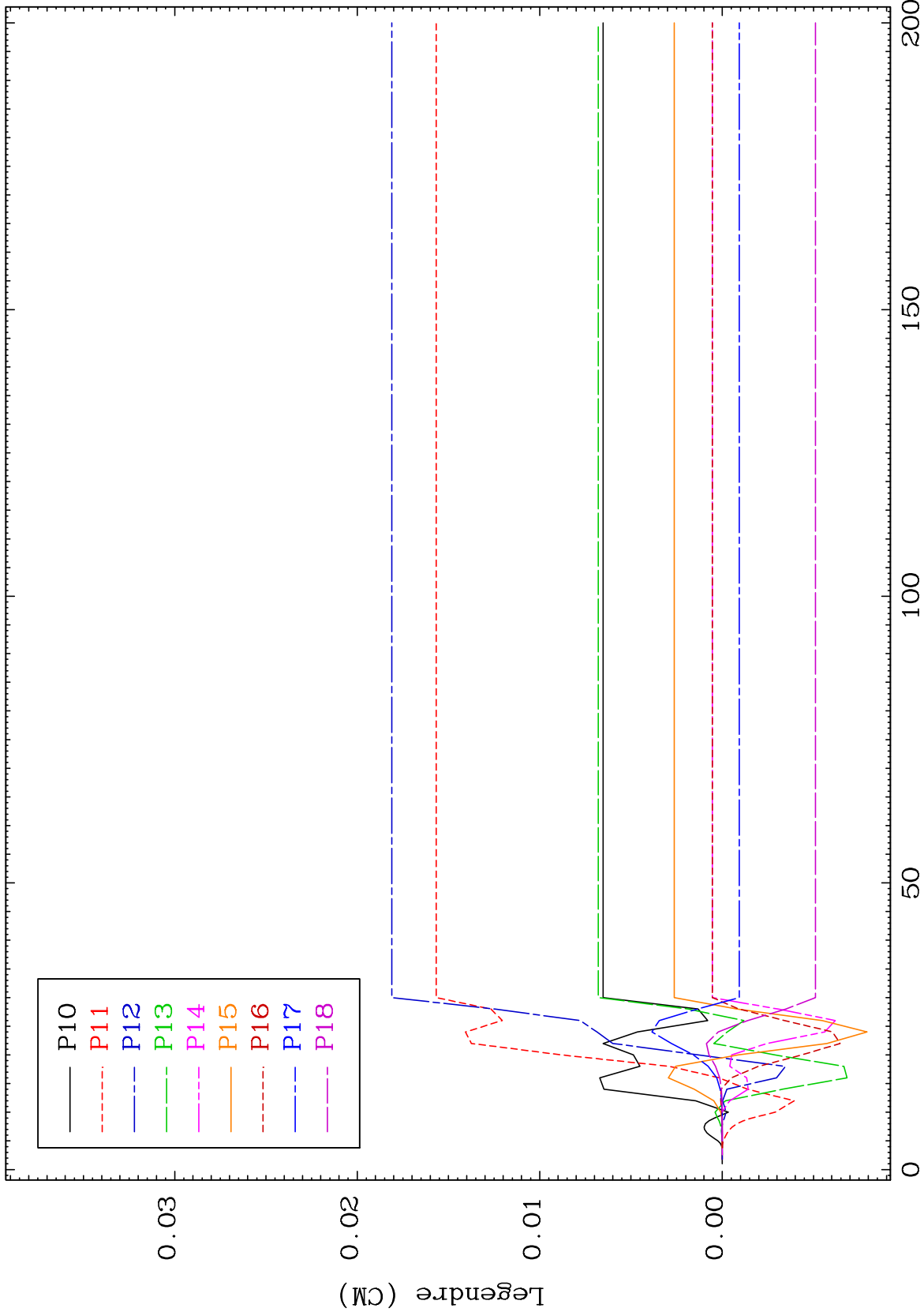
Incident Energy (MeV)

45

MAT 6355

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

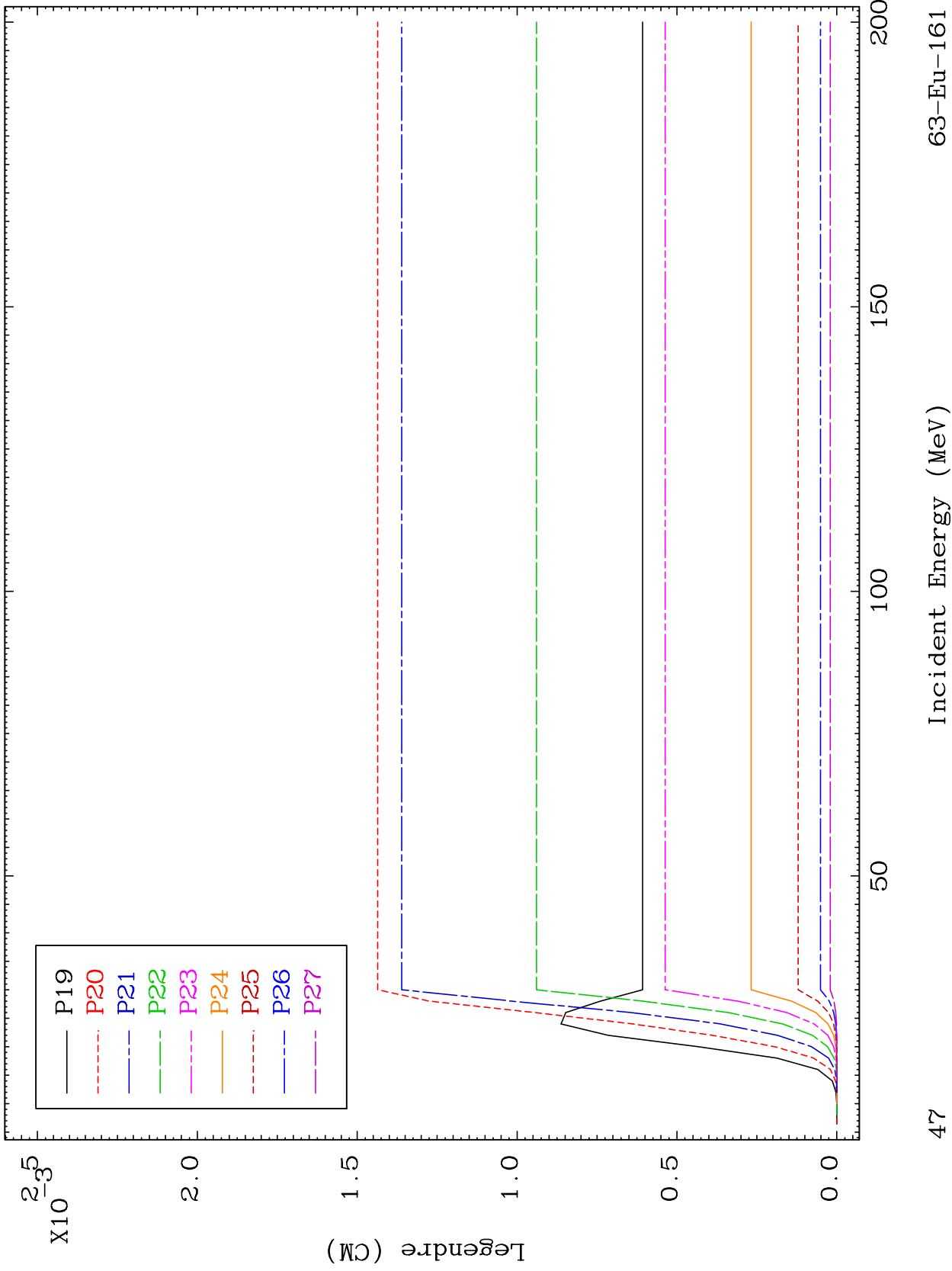
63-Eu-161

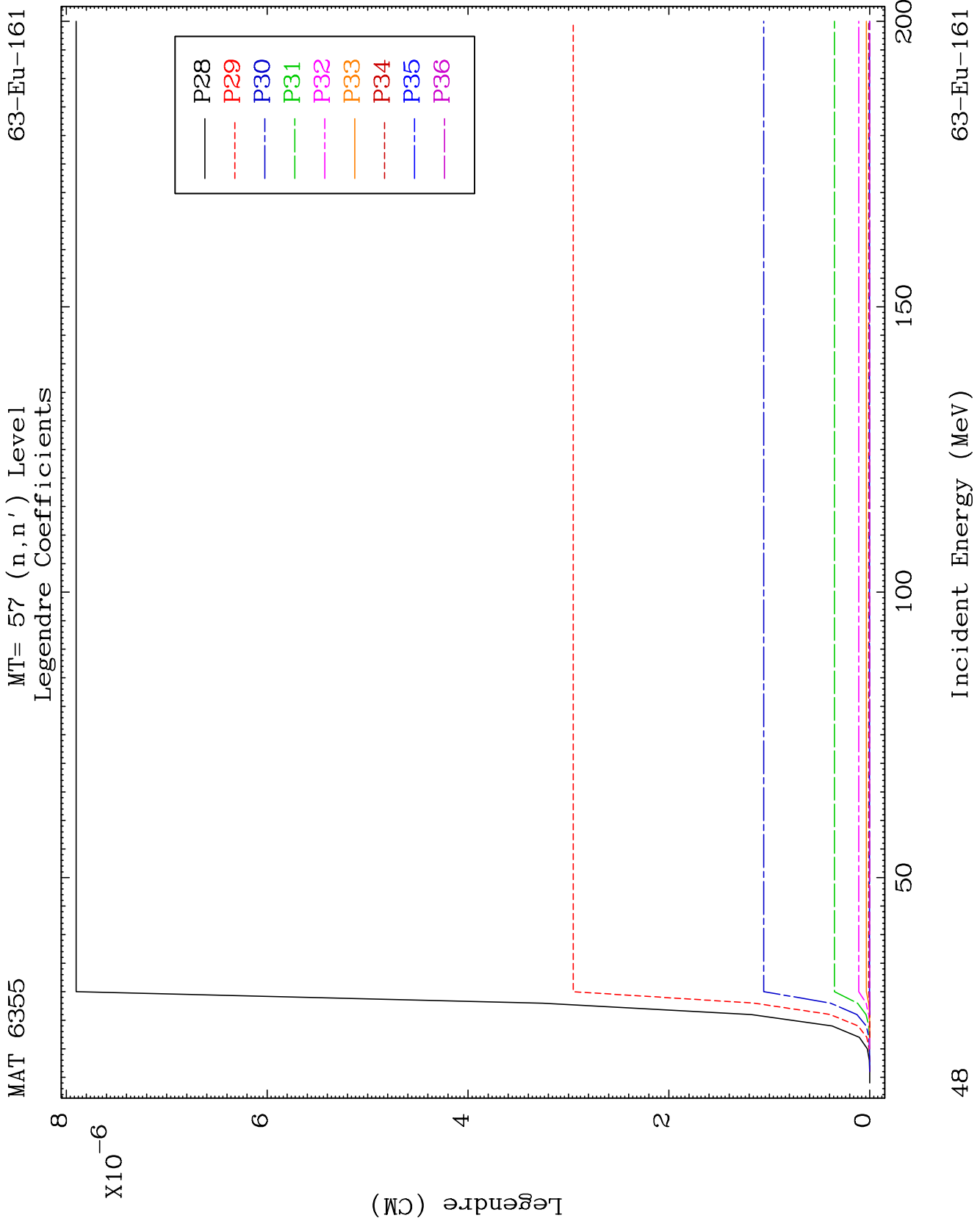


46

Incident Energy (MeV)

63-Eu-161

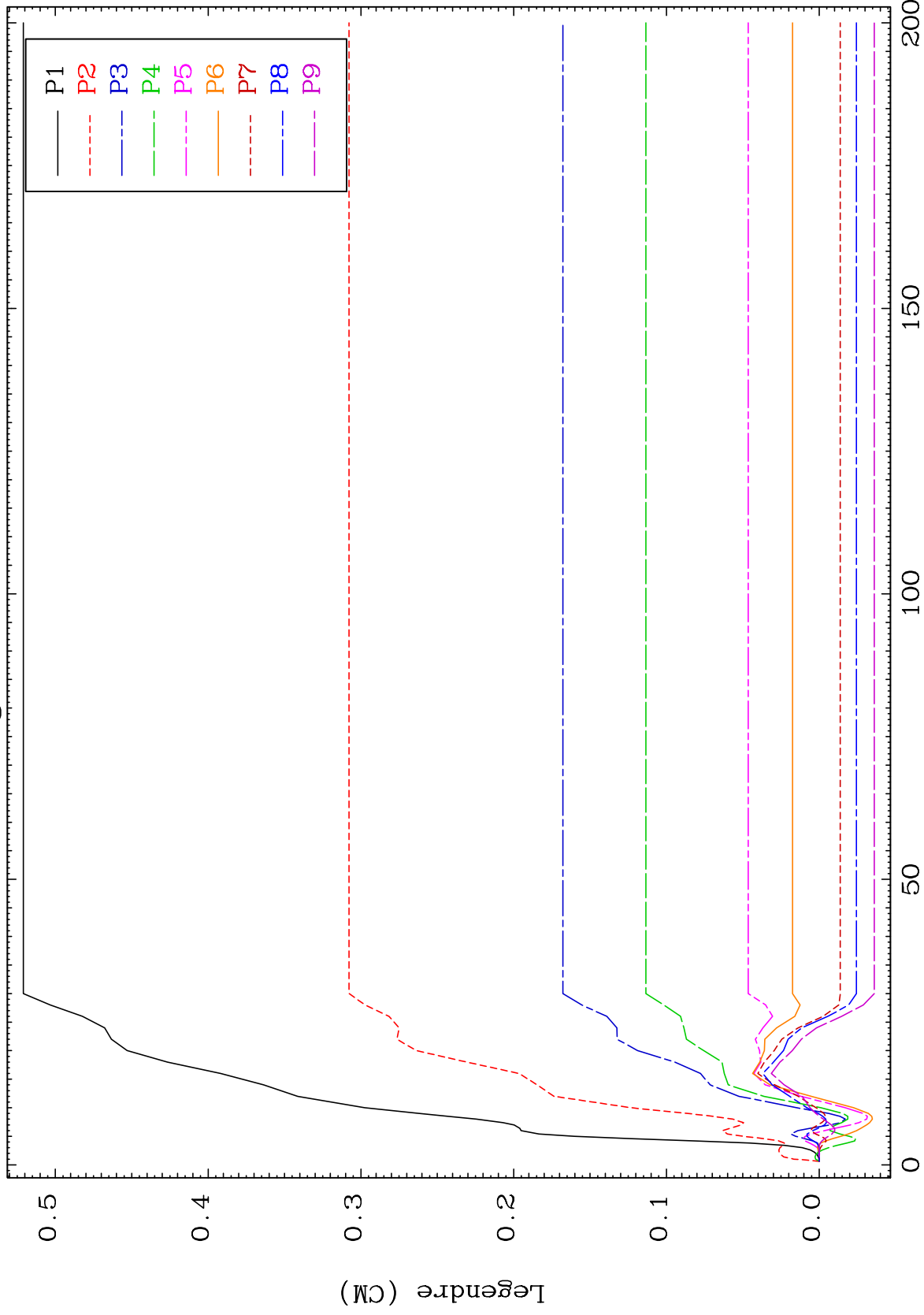




MAT 6355

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

63-Eu-161



49

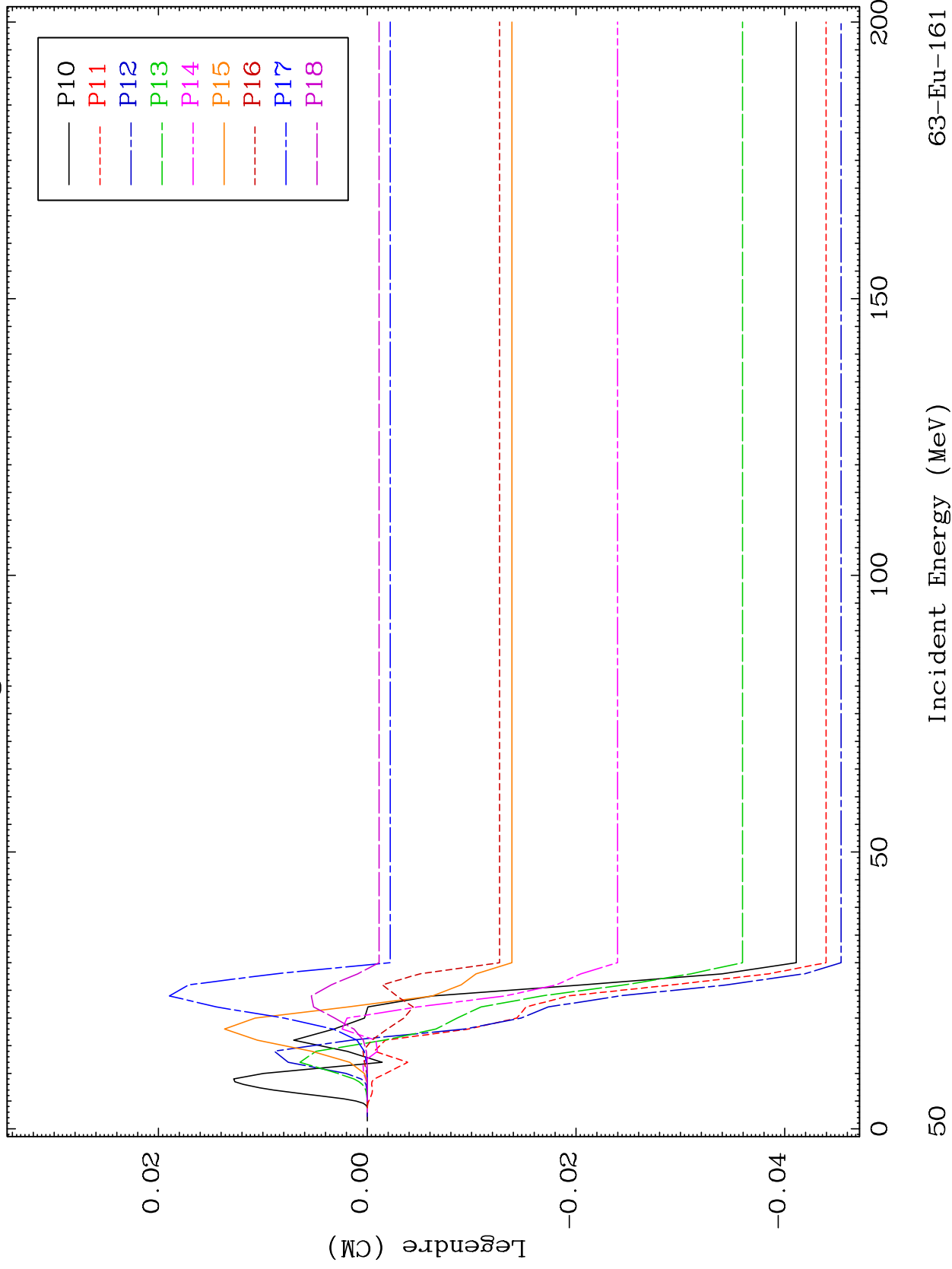
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161

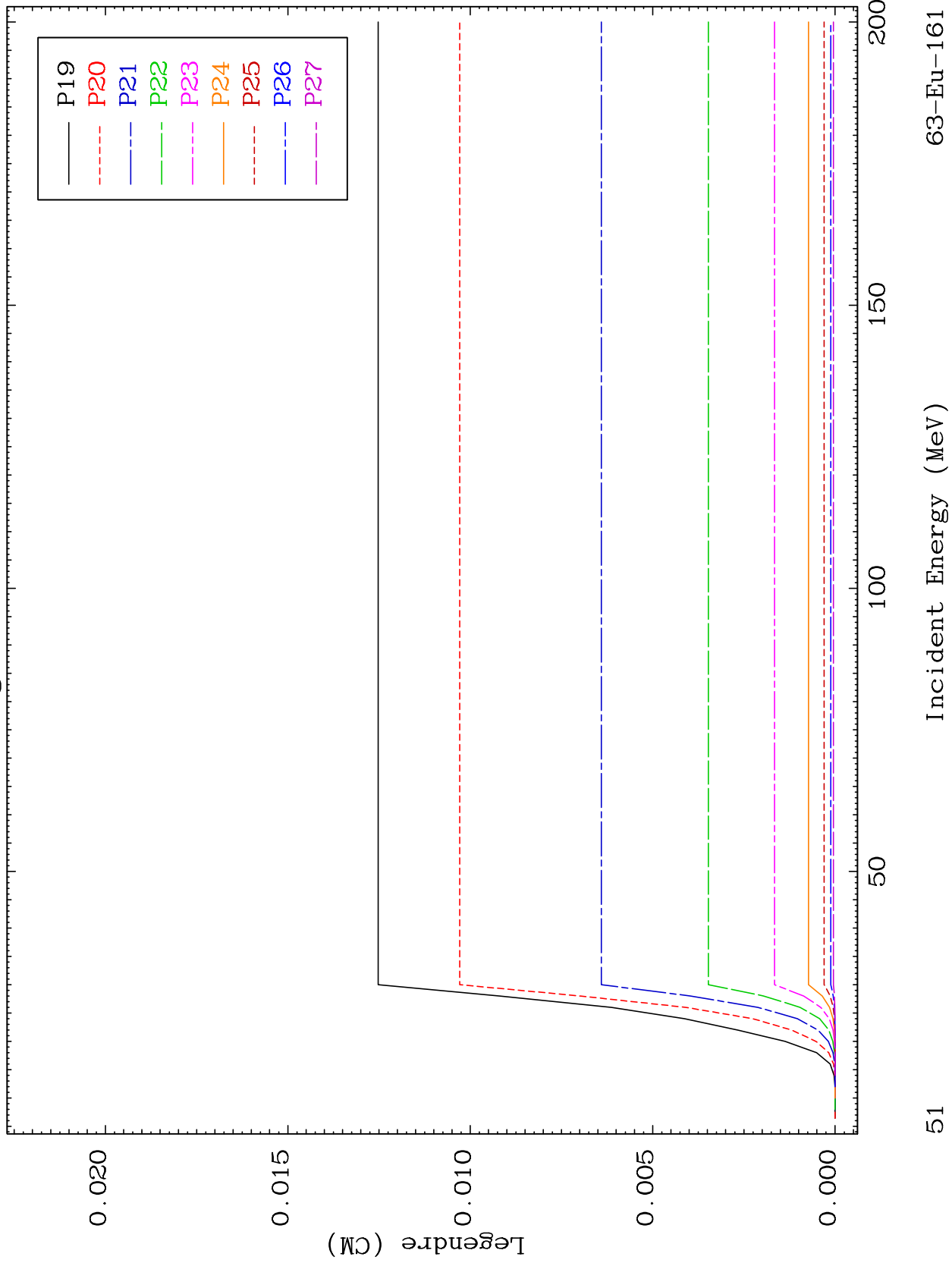


63-Eu-161

MAT 6355

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

63-Eu-161



51

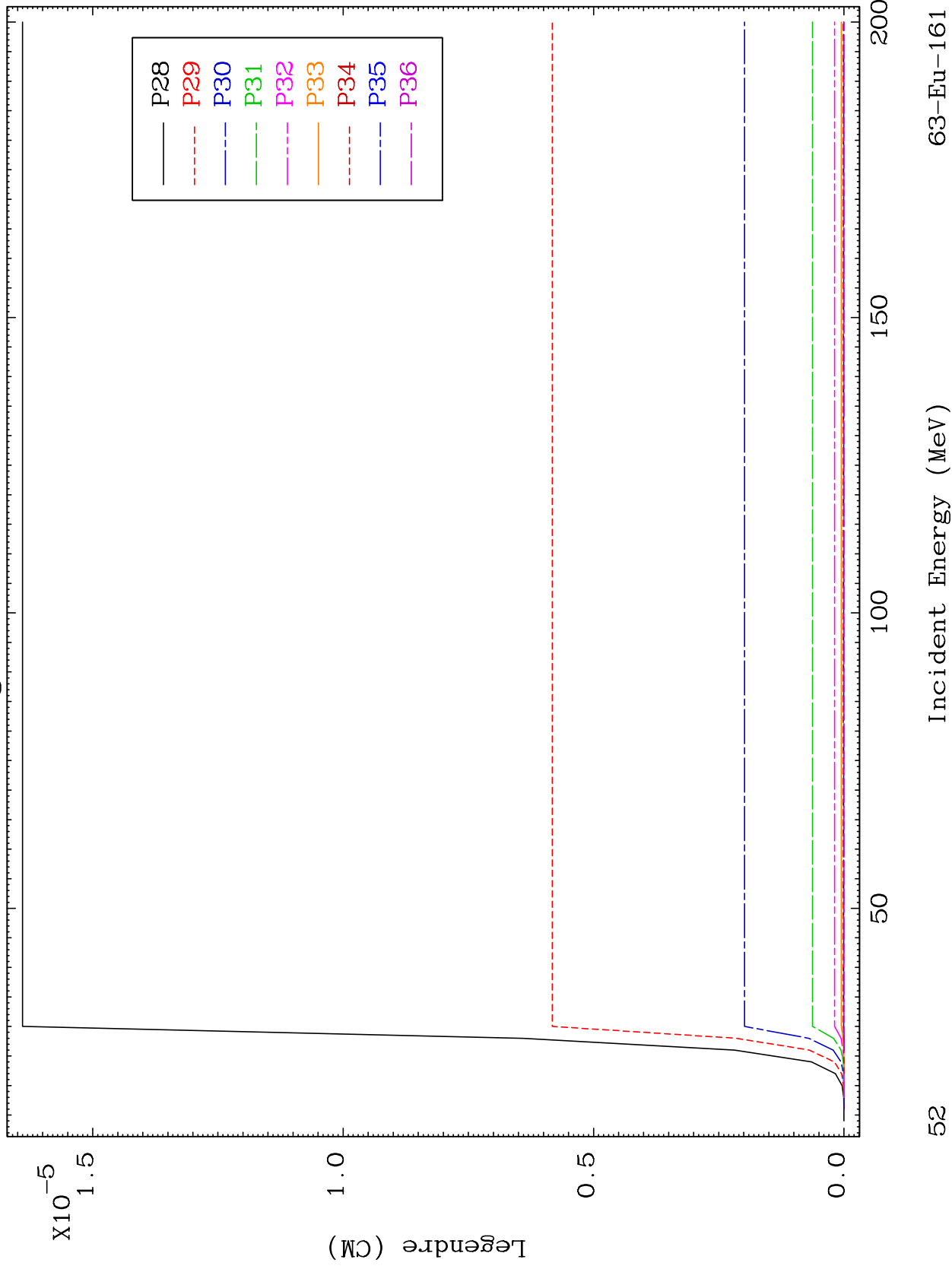
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



52

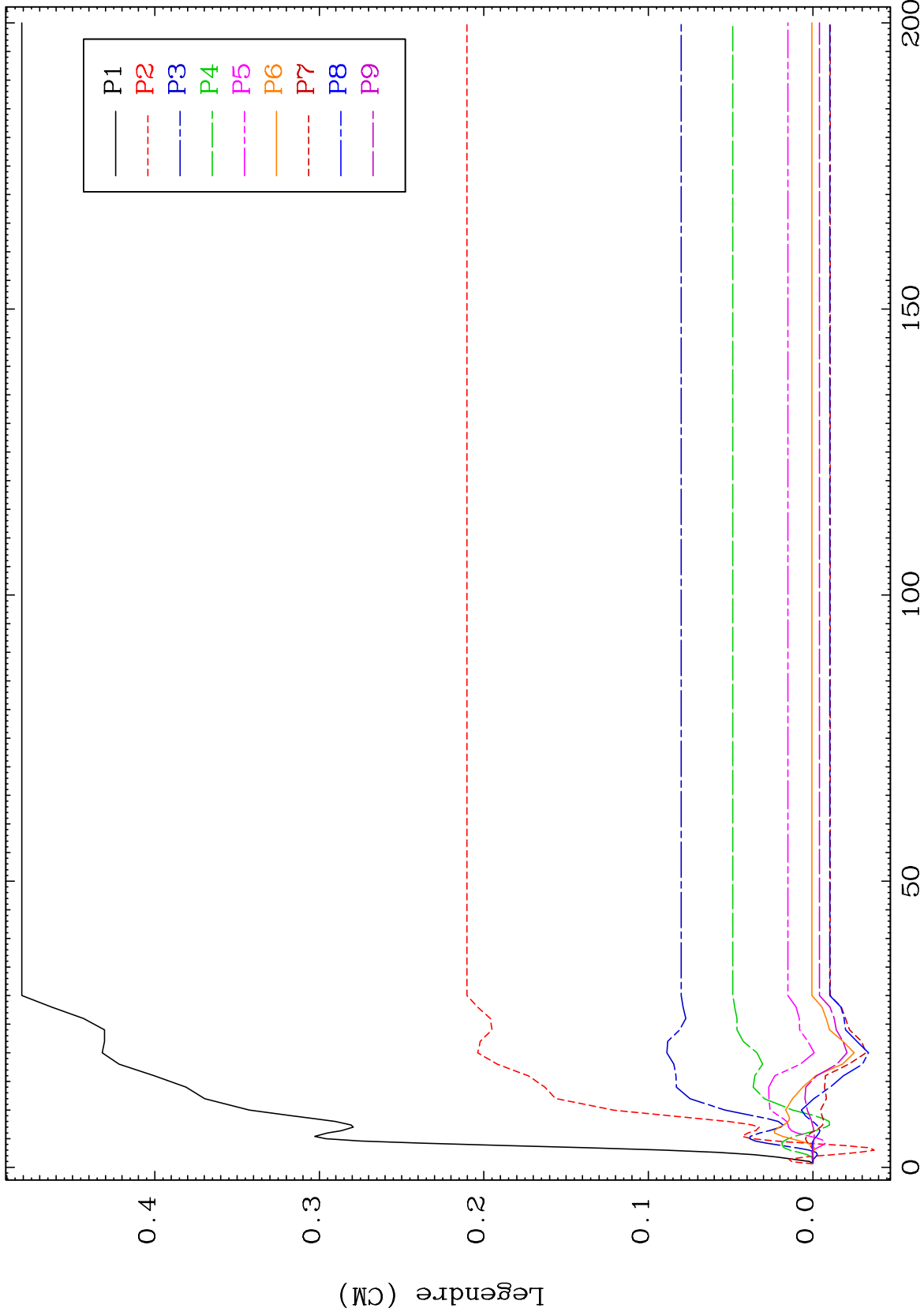
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



63-Eu-161

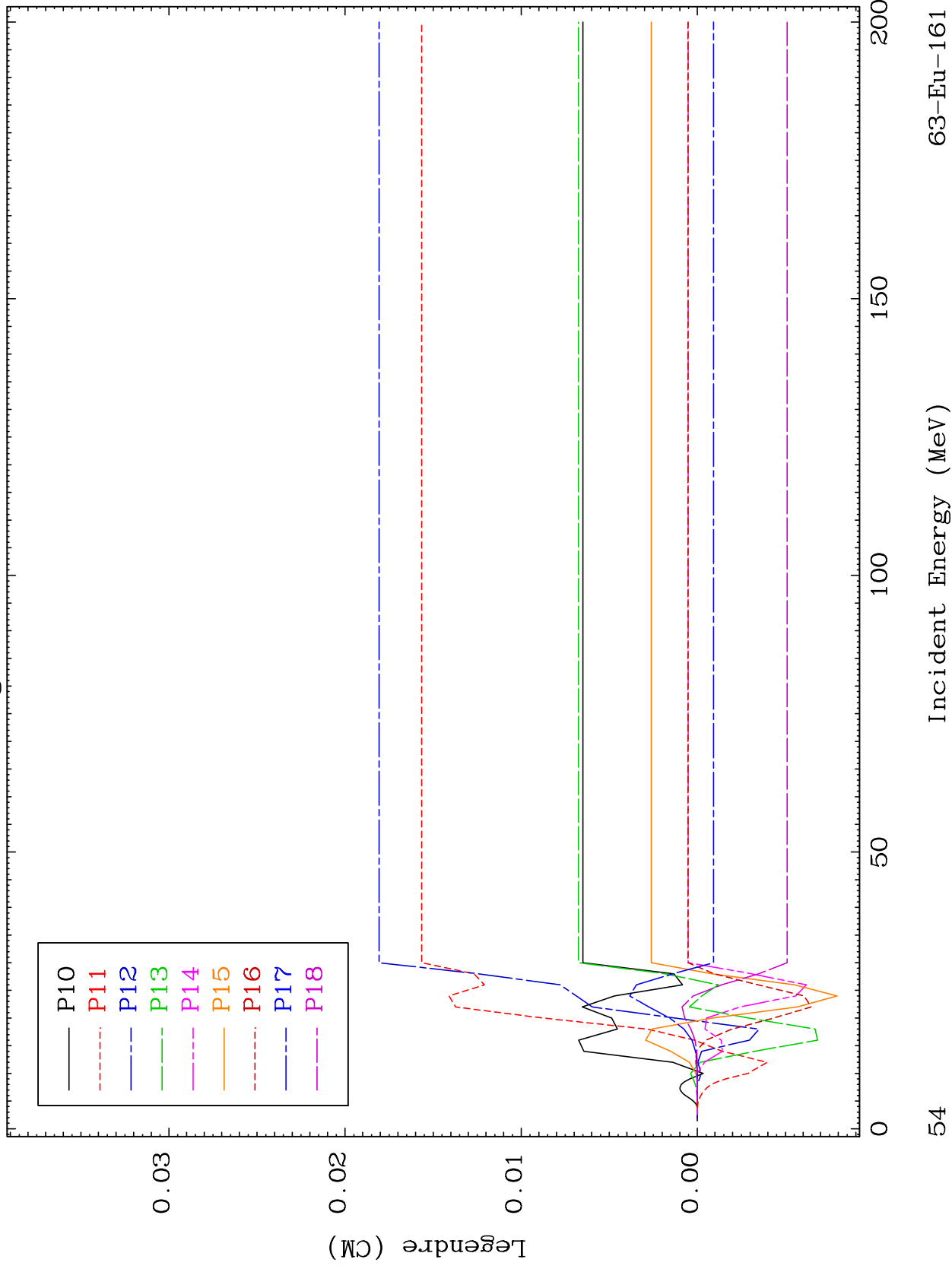
Incident Energy (MeV)

53

MAT 6355

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

63-Eu-161



54

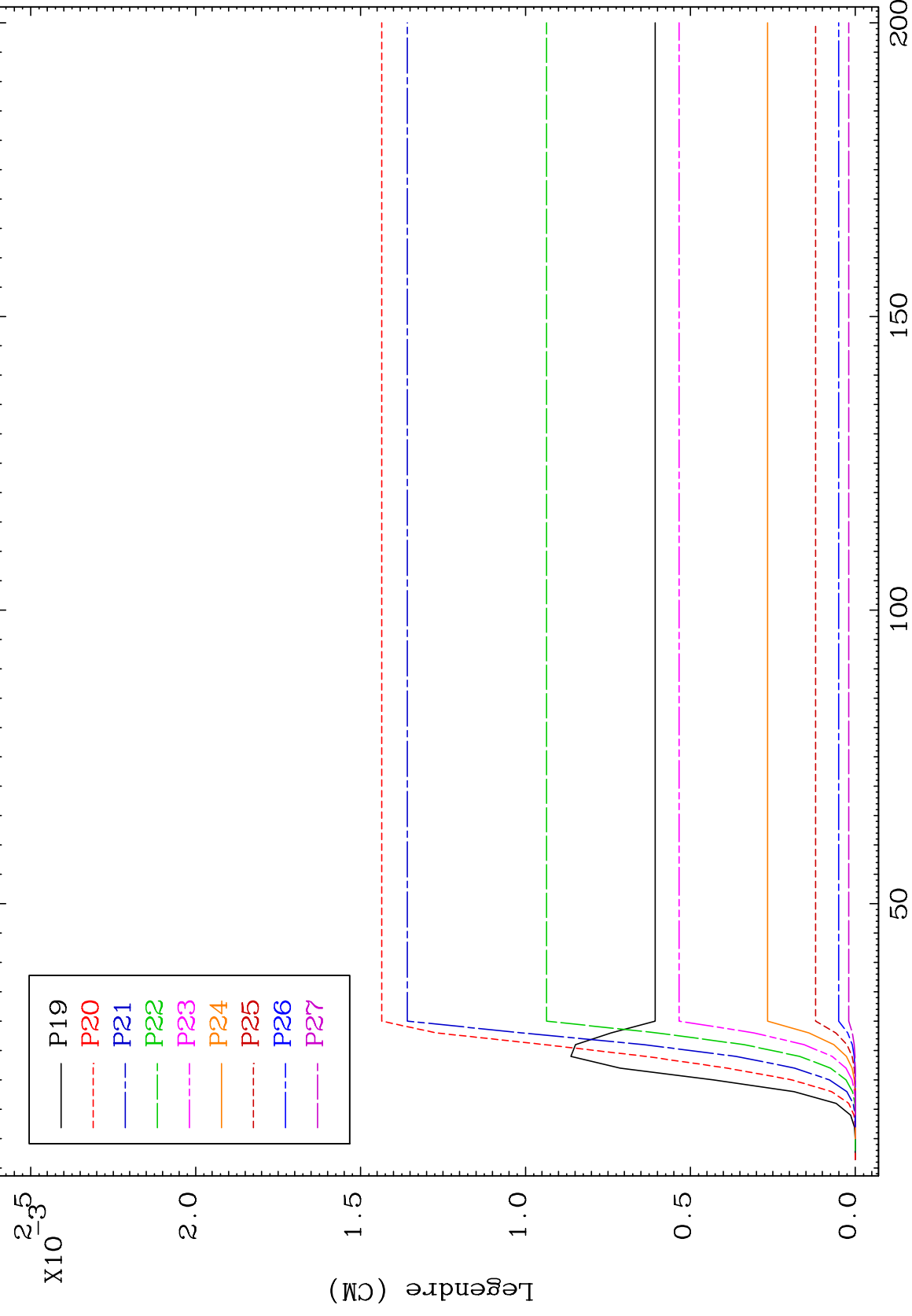
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



55

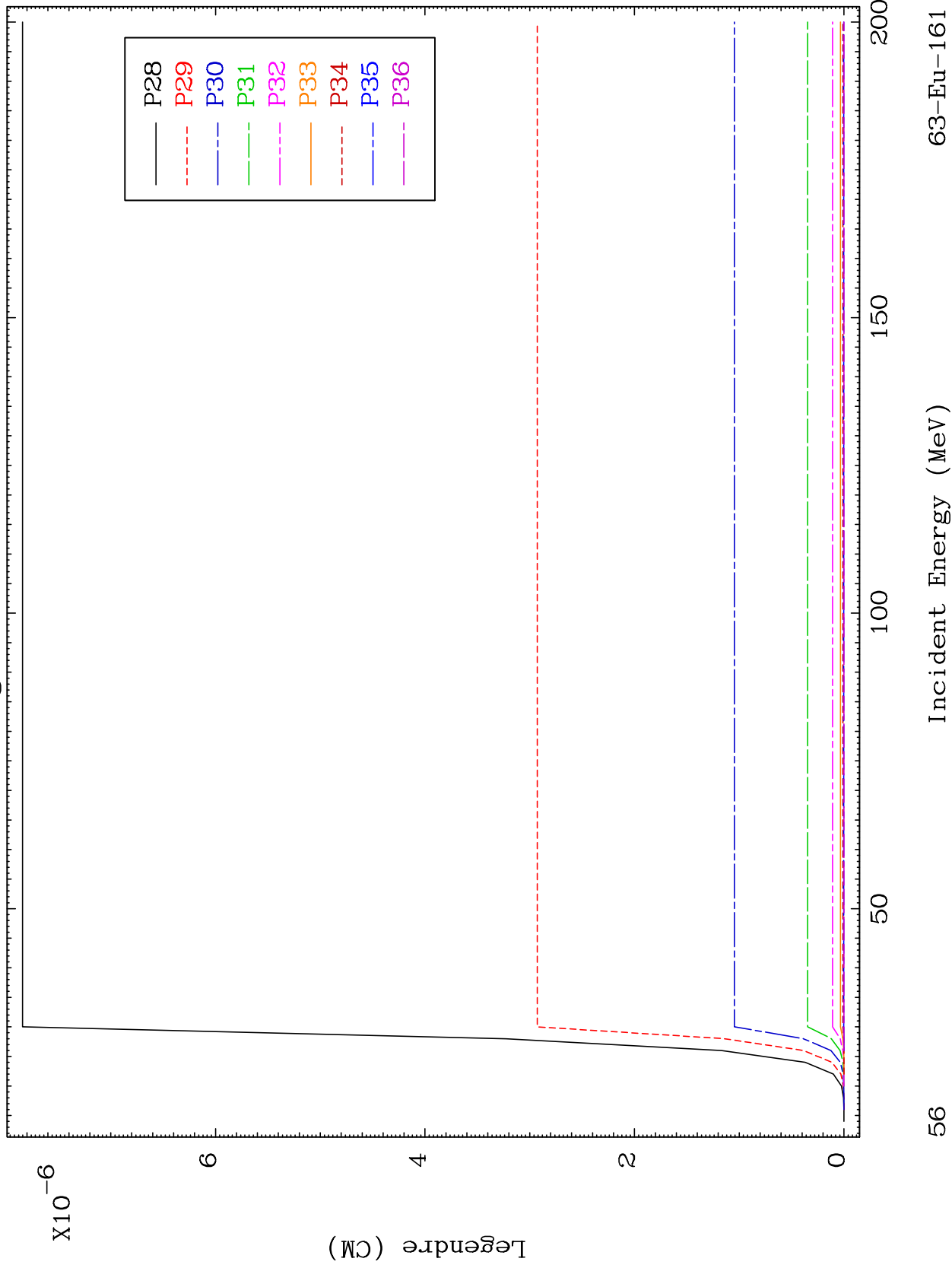
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



56

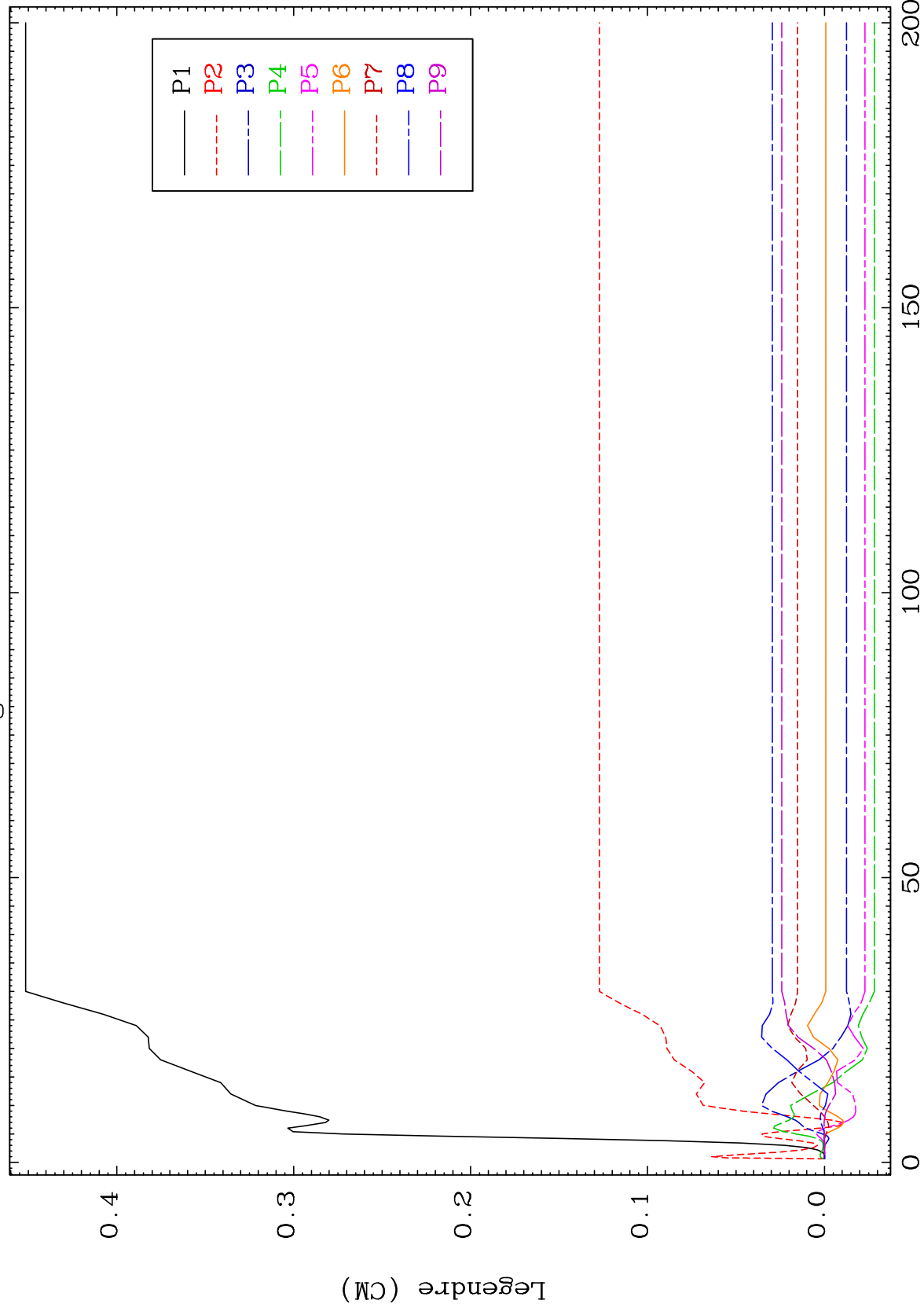
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



57

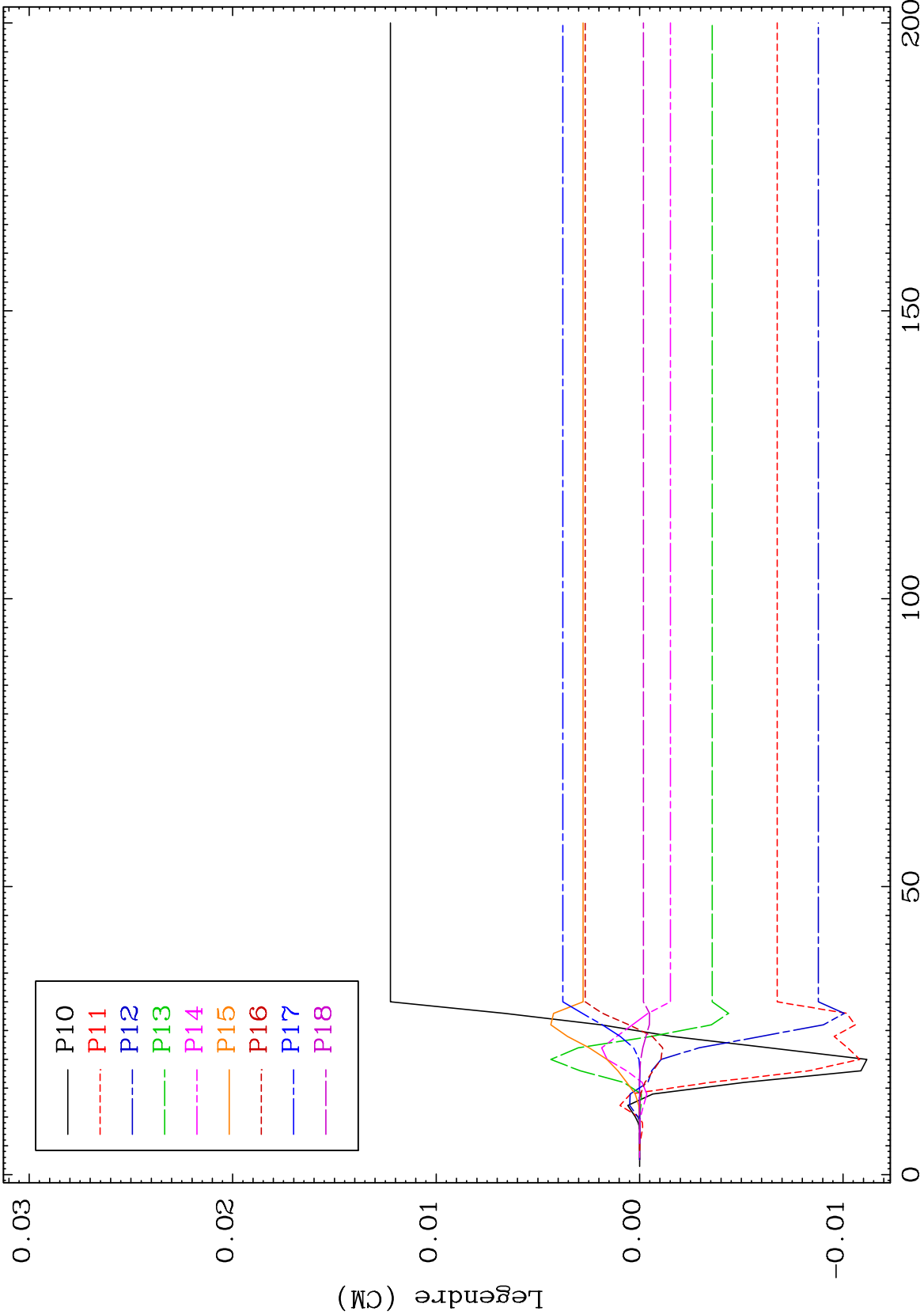
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



58

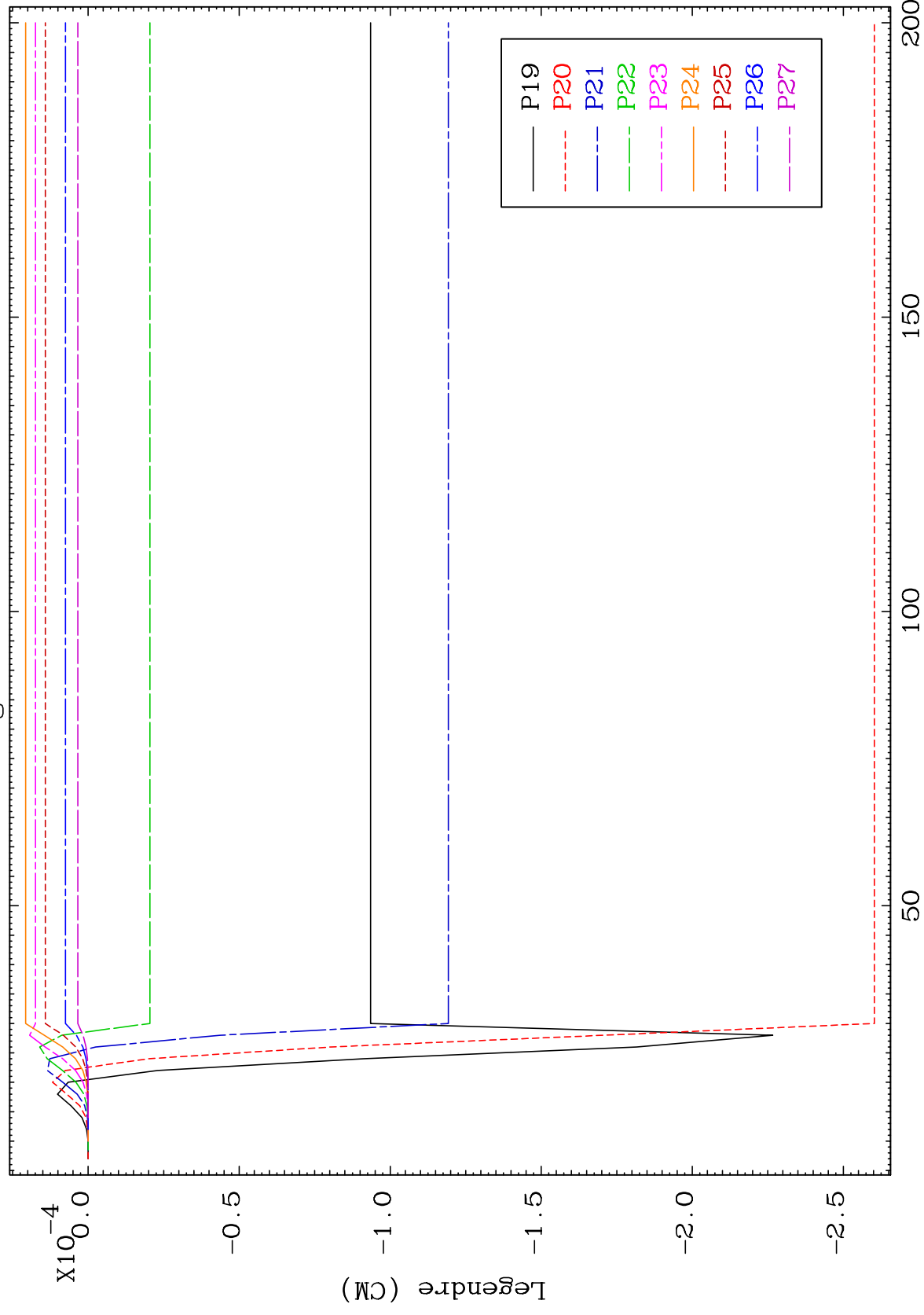
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

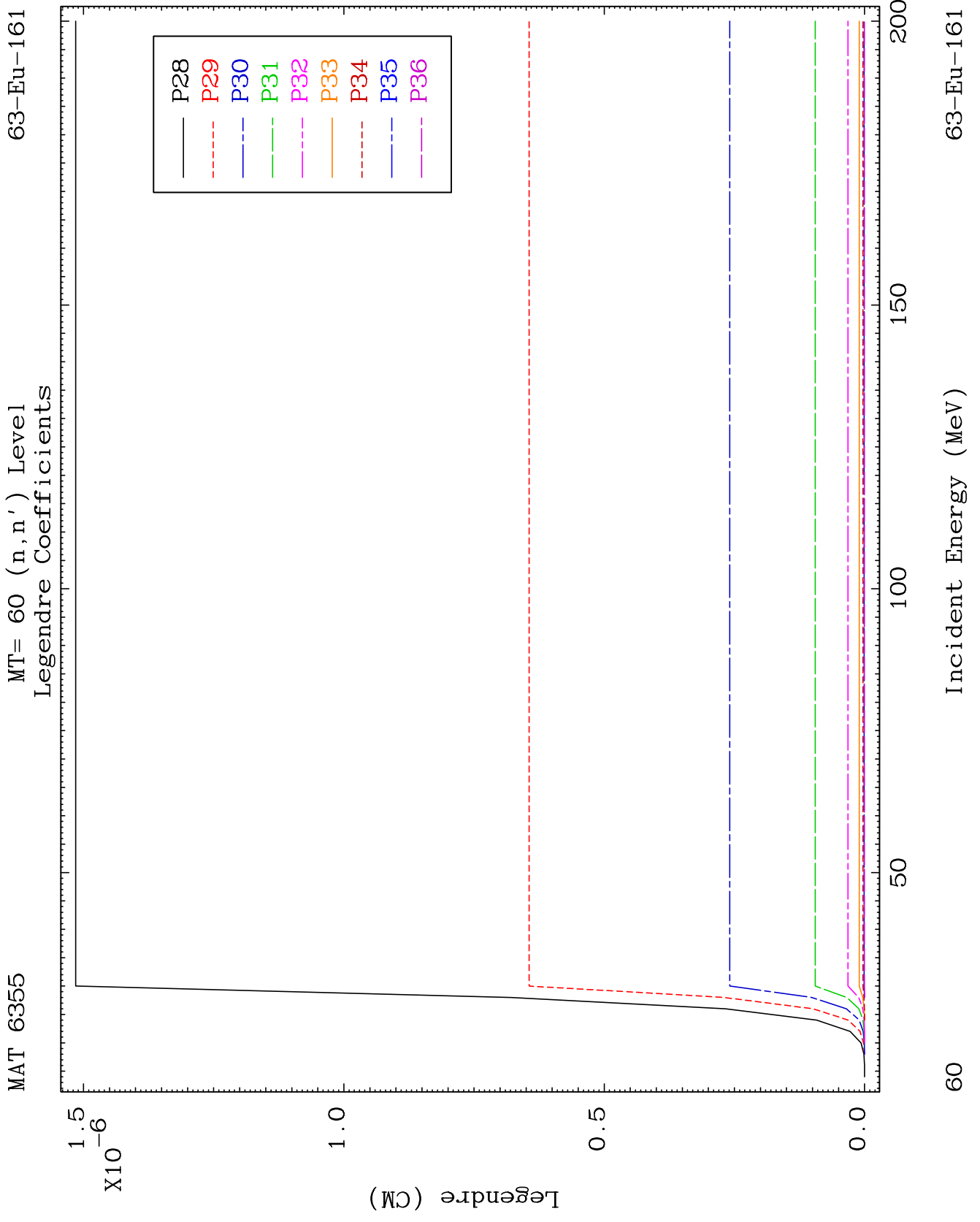
63-Eu-161



59

Incident Energy (MeV)

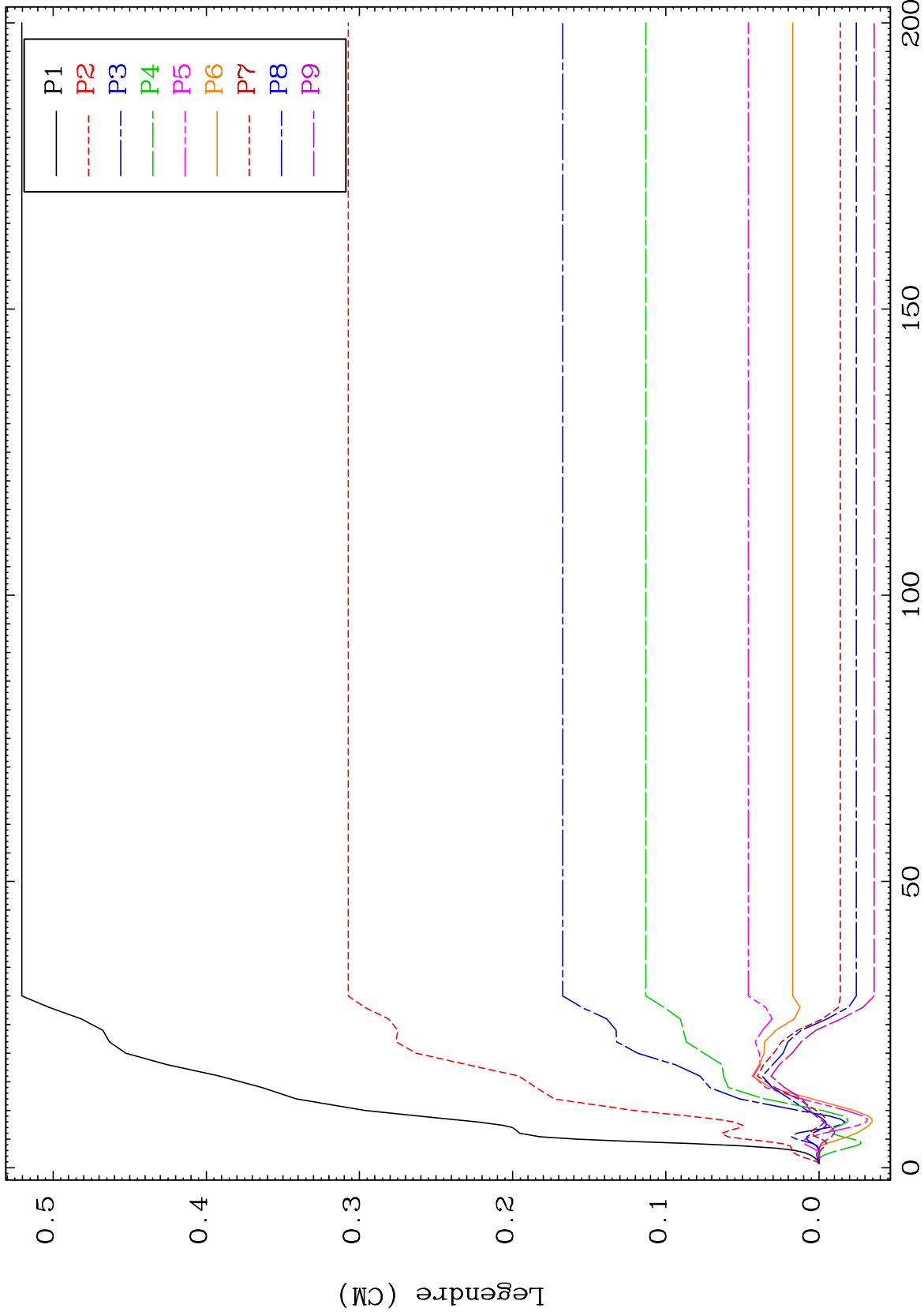
63-Eu-161



MAT 6355

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

63-Eu-161



61

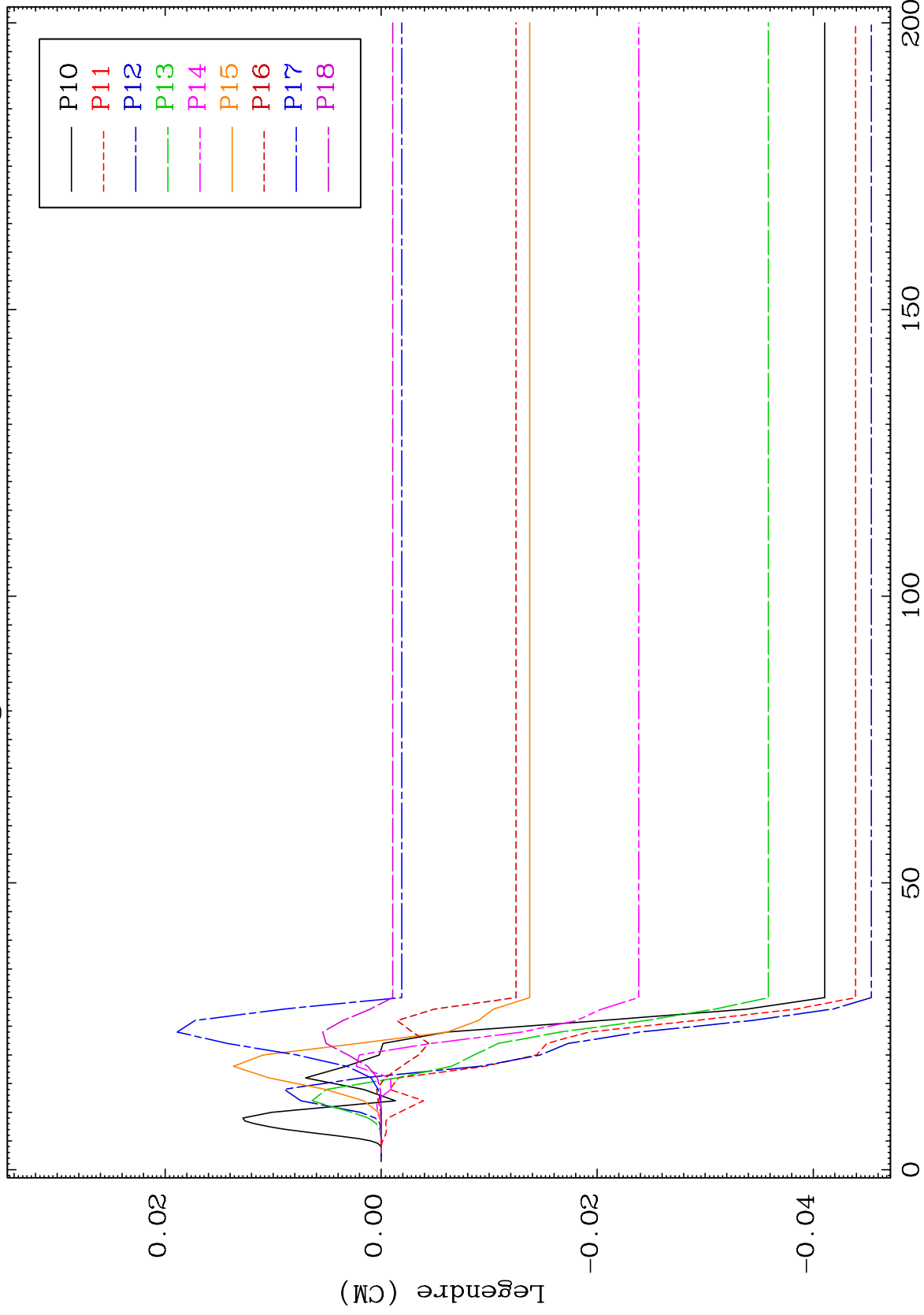
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



62

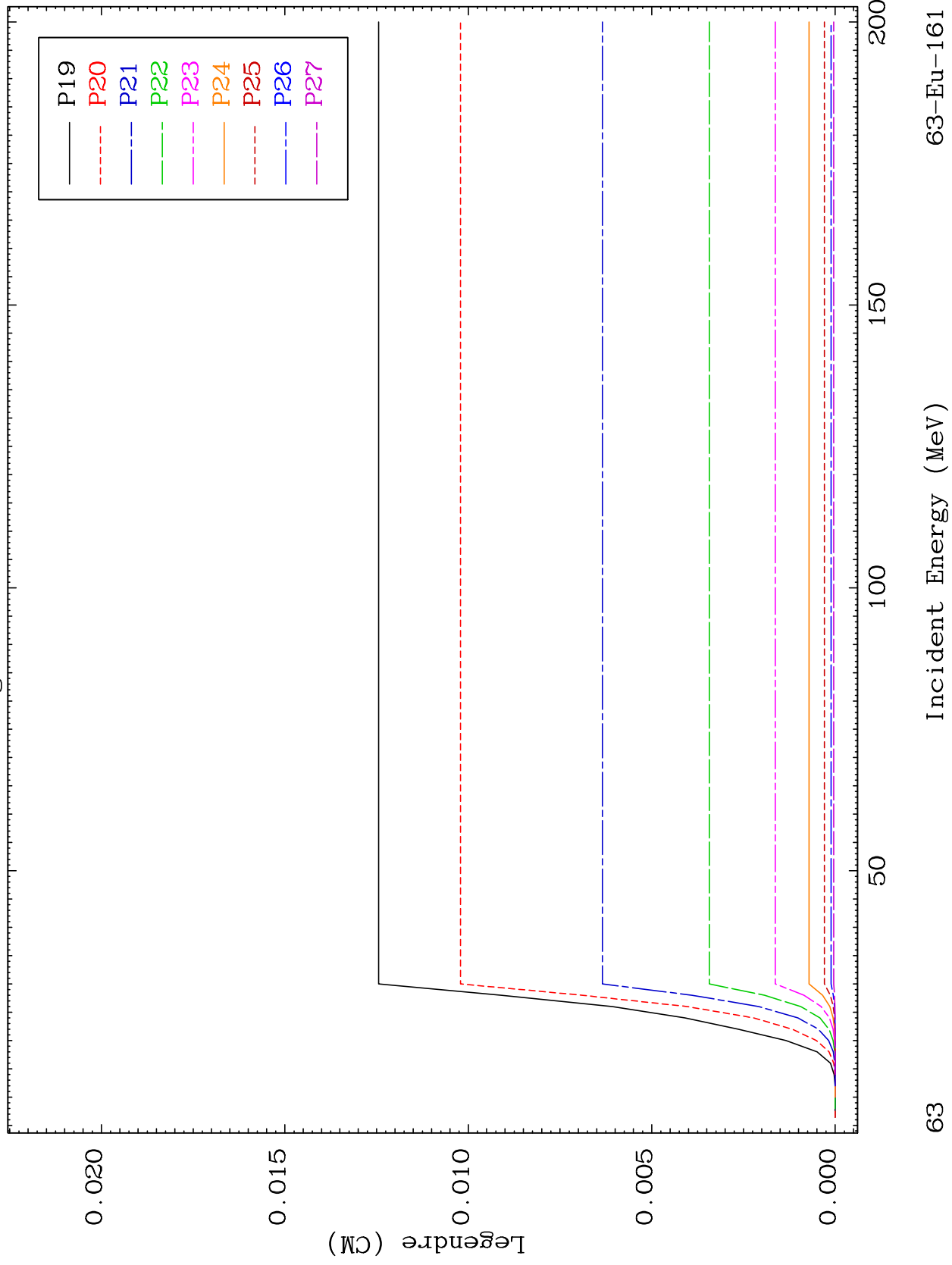
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



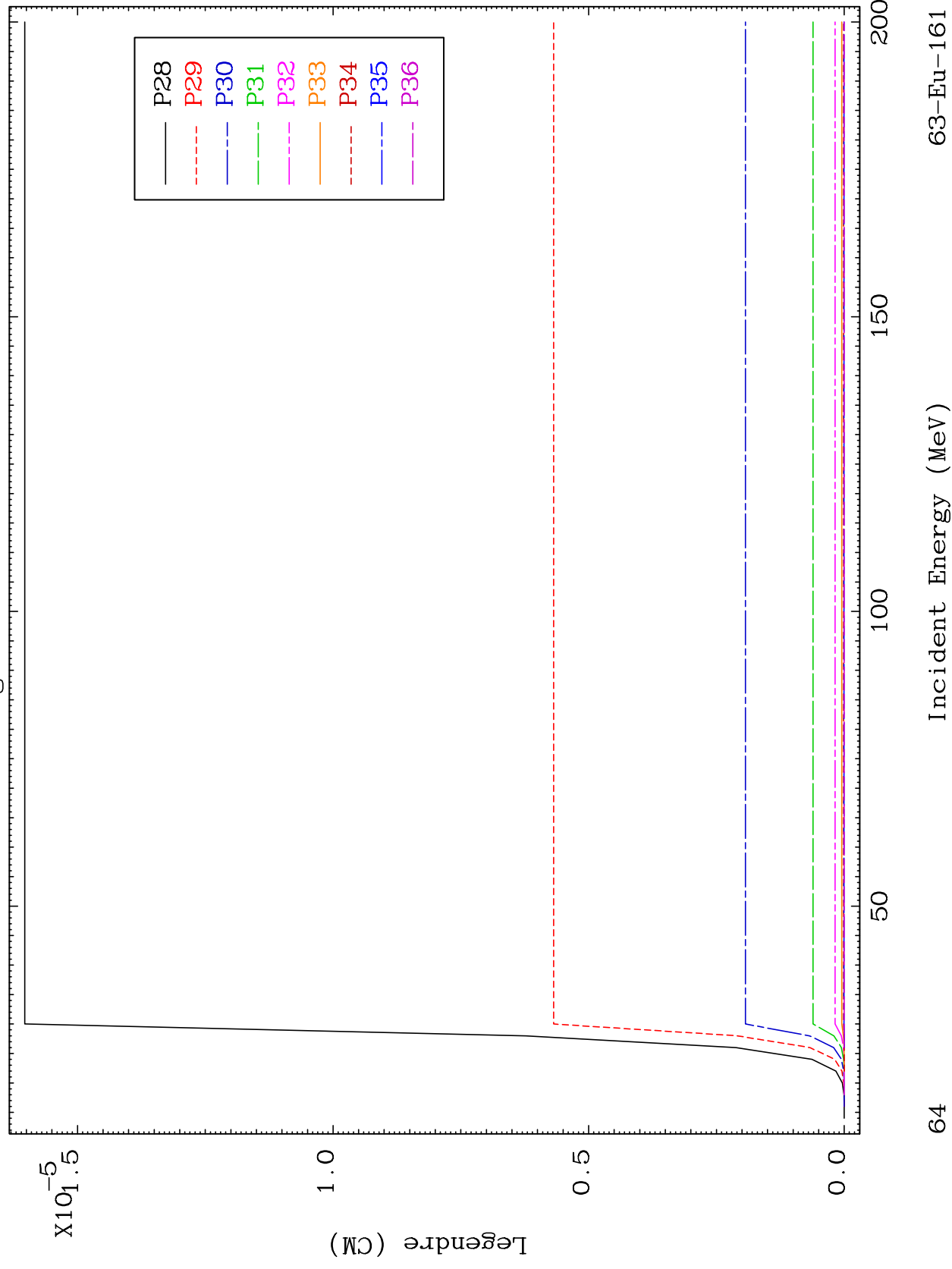
63

63-Eu-161

MAT 6355

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

63-Eu-161

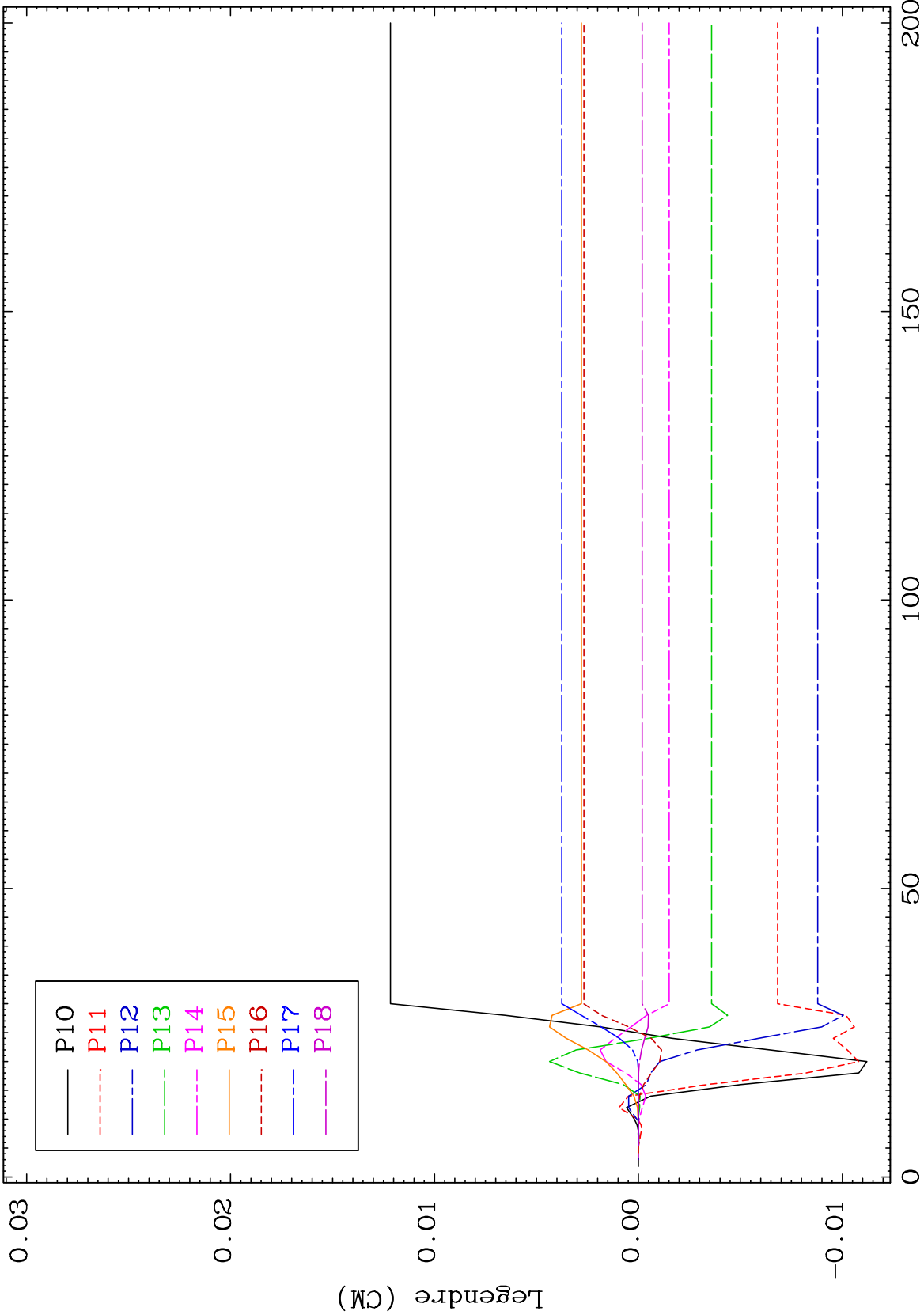




MAT 6355

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

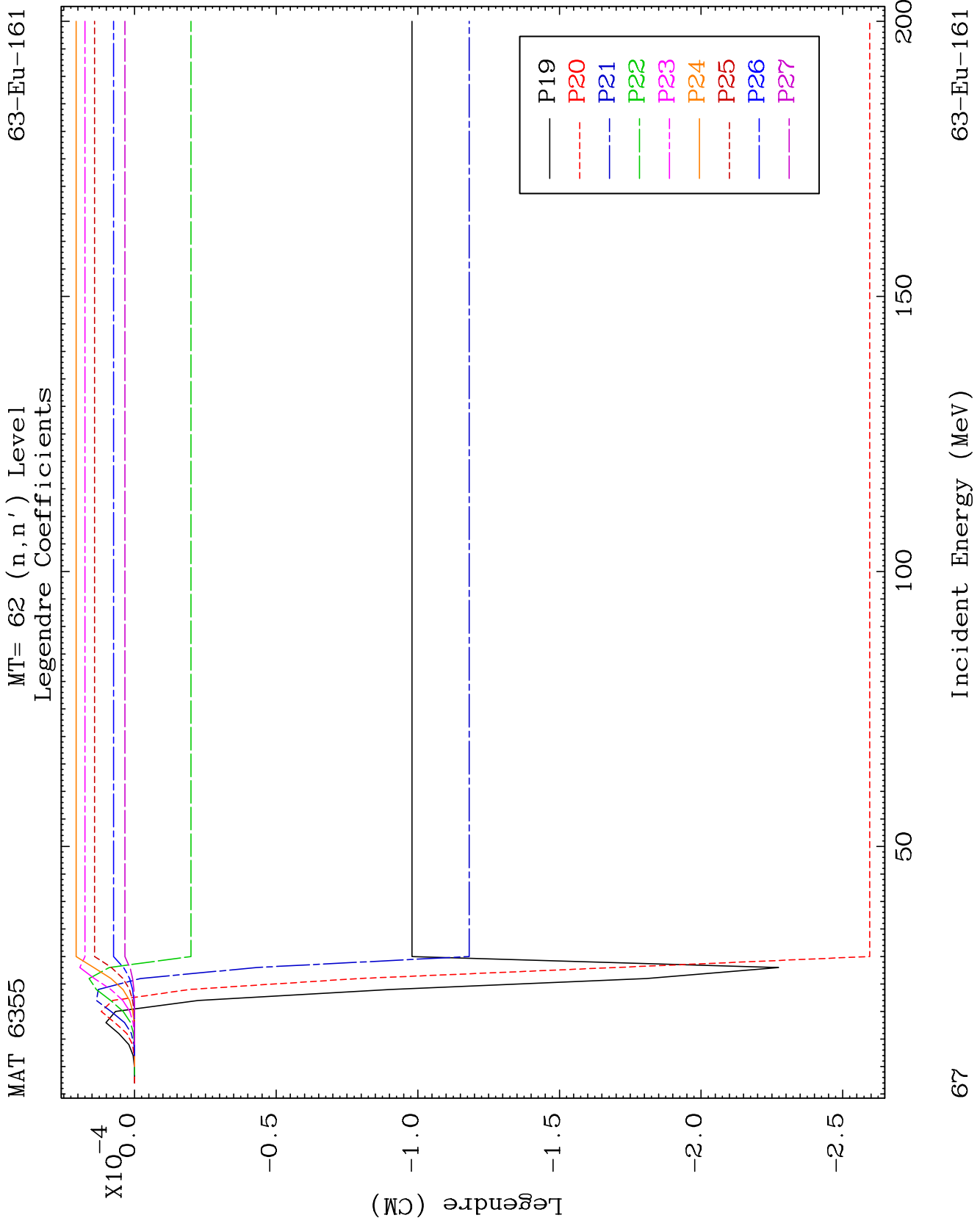
63-Eu-161



66

Incident Energy (MeV)

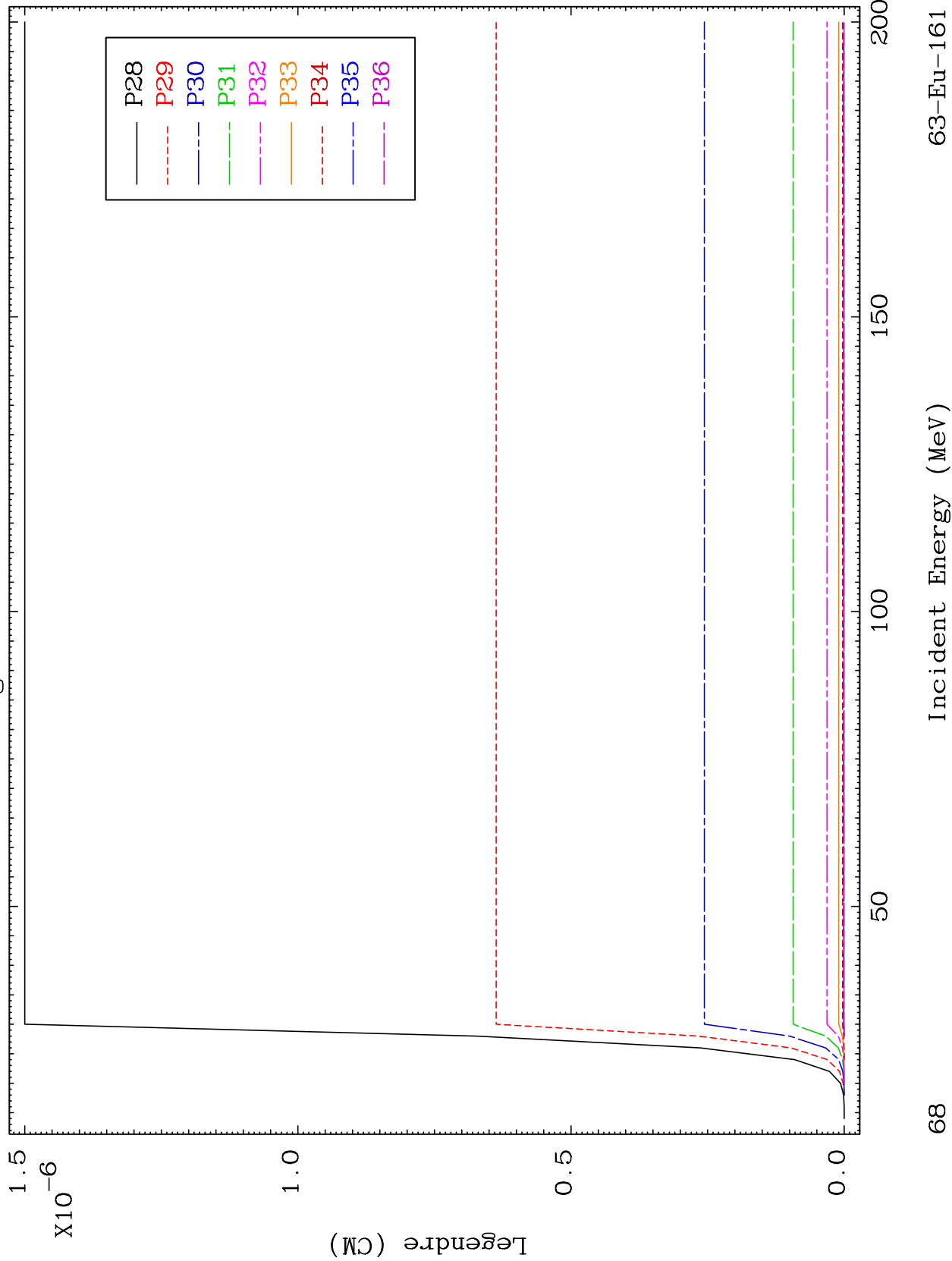
63-Eu-161



MAT 6355

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

63-Eu-161



68

Incident Energy (MeV)

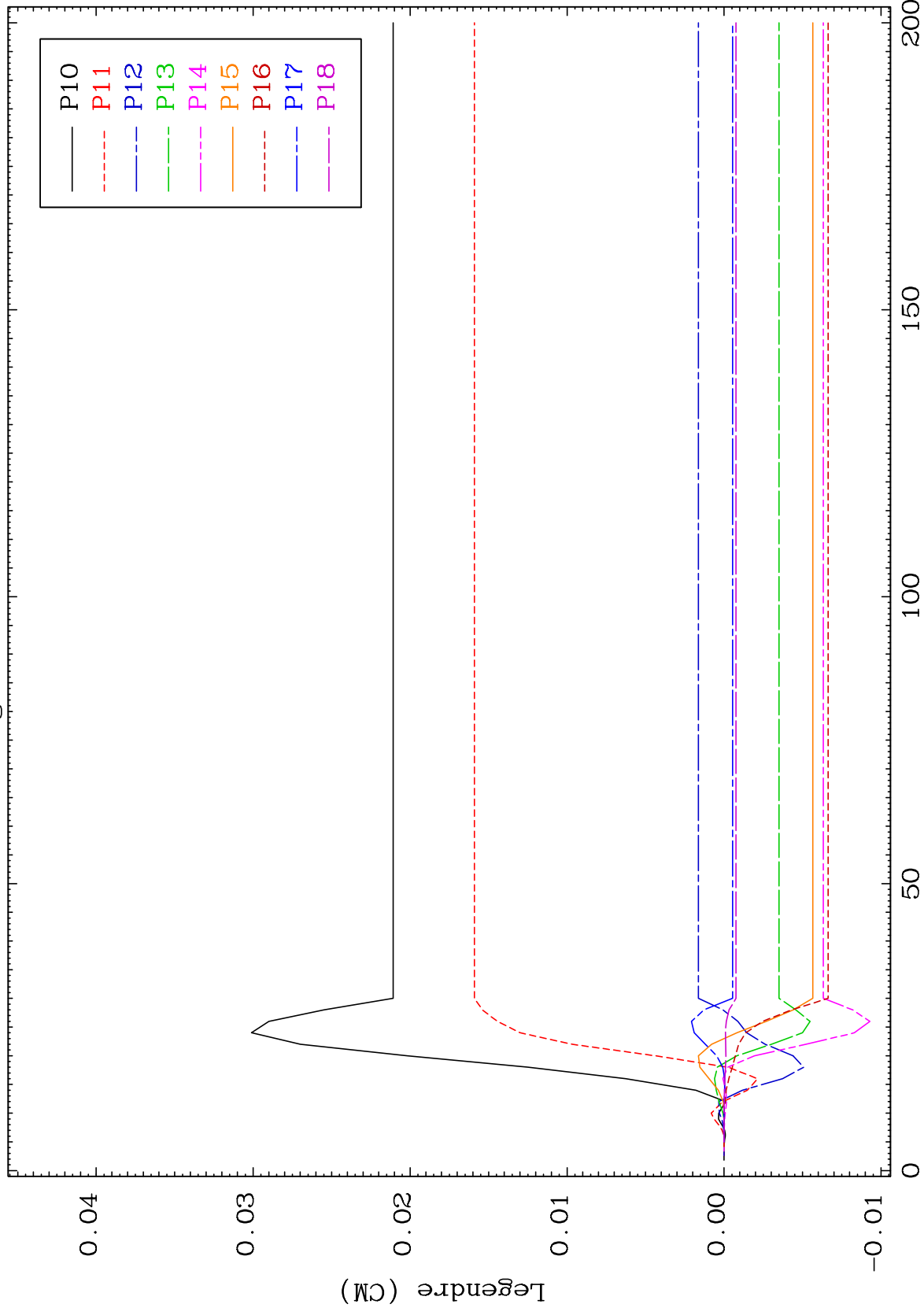
63-Eu-161



MAT 6355

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

63-Eu-161



63-Eu-161

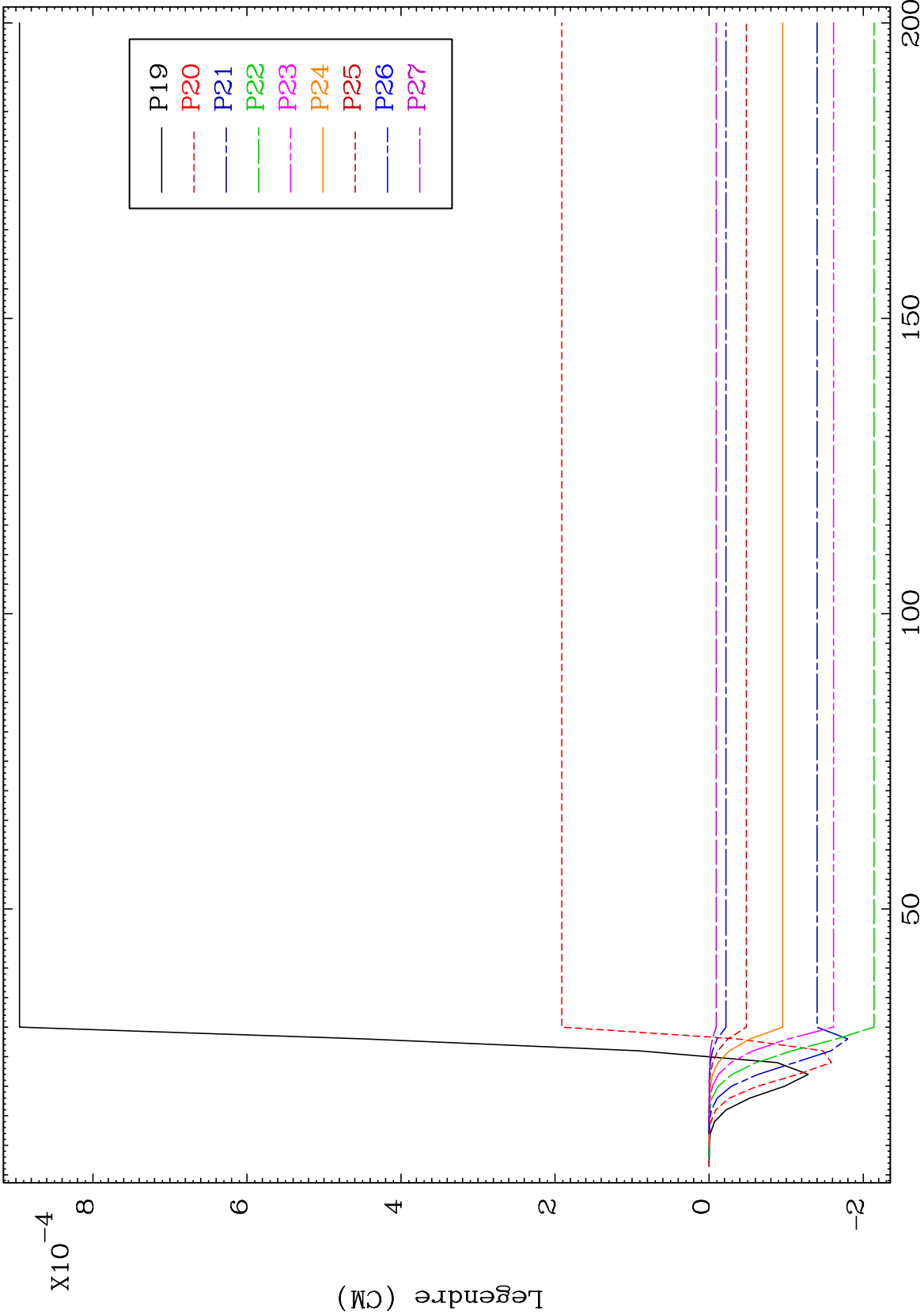
Incident Energy (MeV)

70

MAT 6355

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

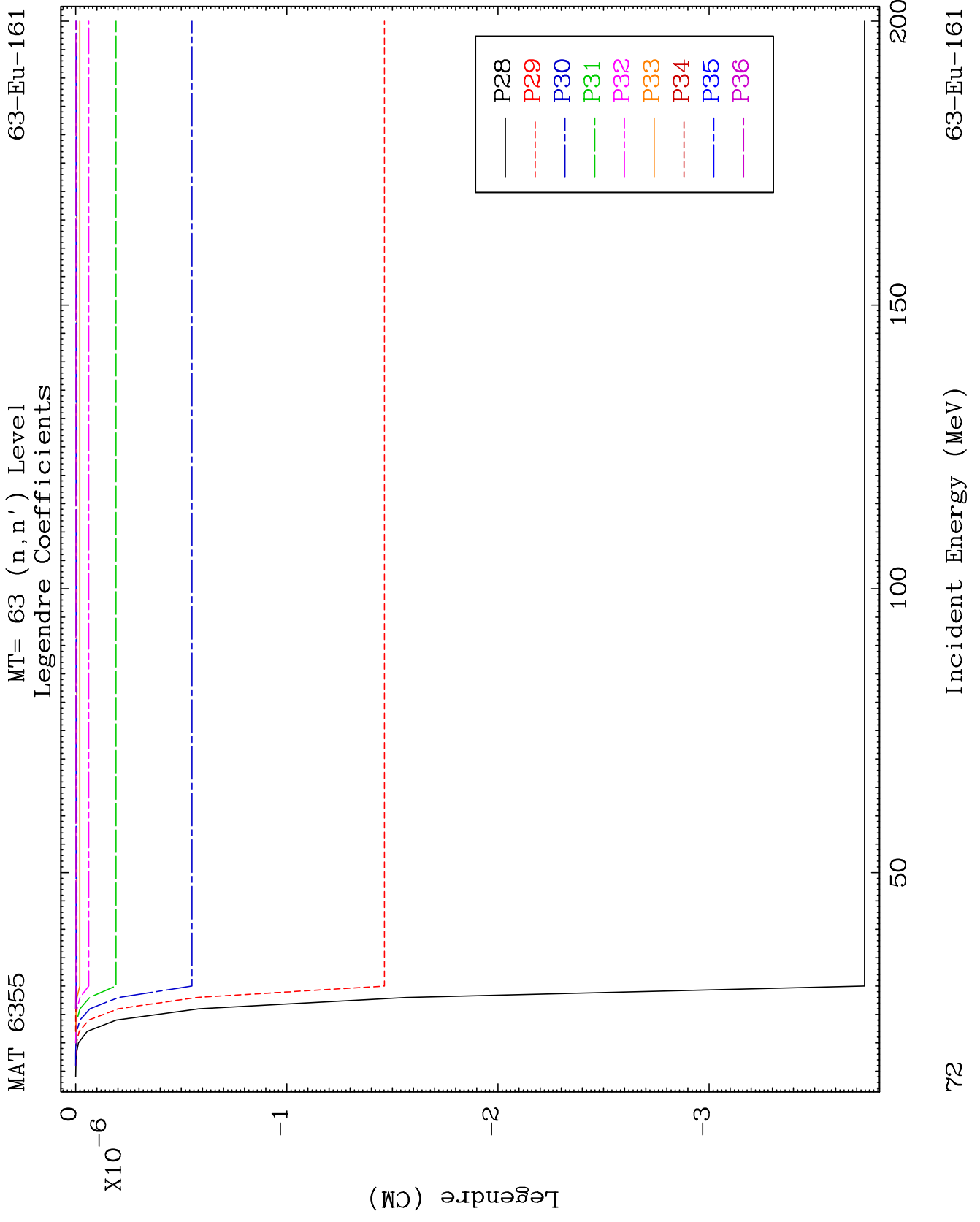
63-Eu-161



71

Incident Energy (MeV)

63-Eu-161

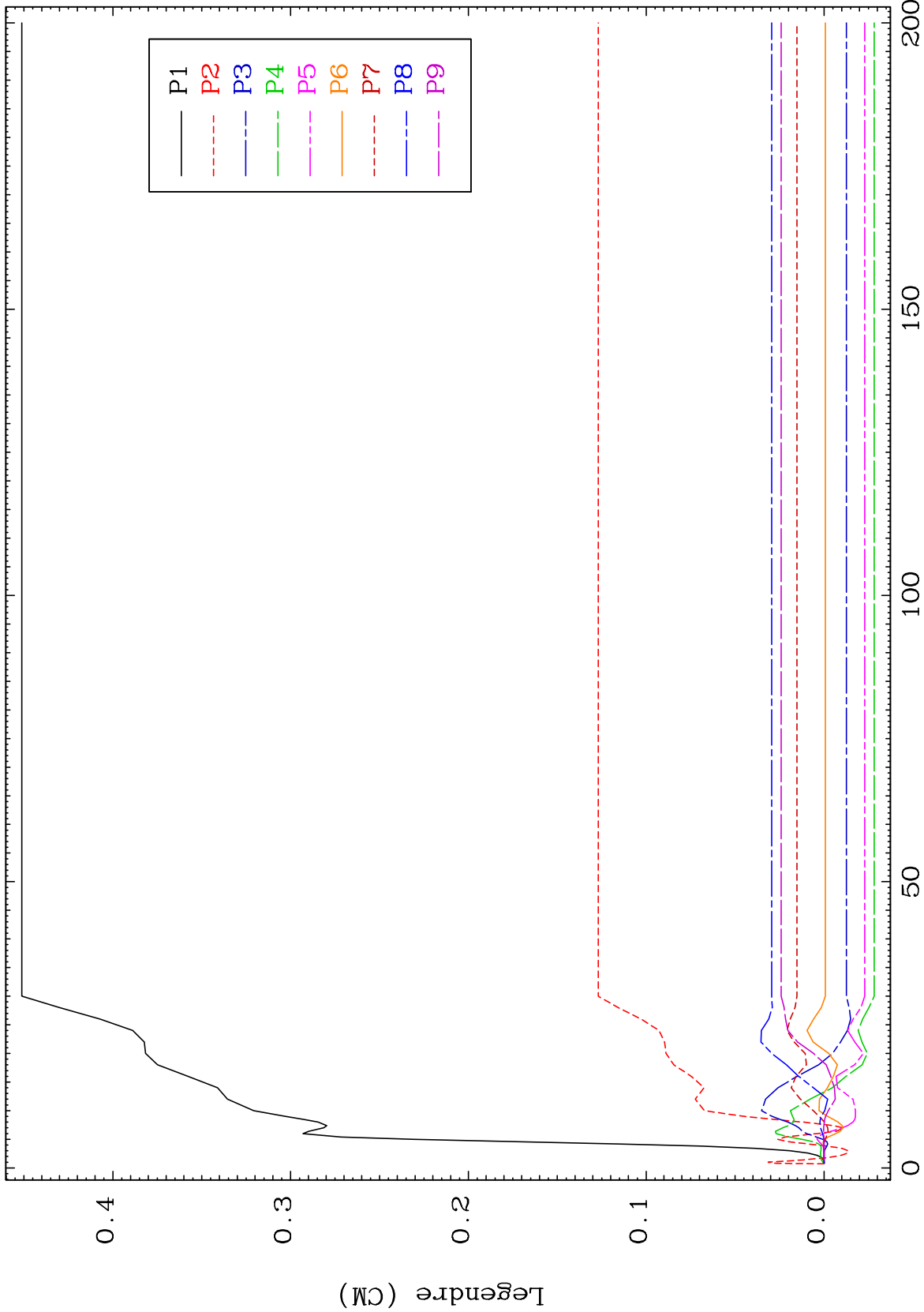


MAT 6355

MT= 64 (n,n') Level

63-Eu-161

Legendre Coefficients



73

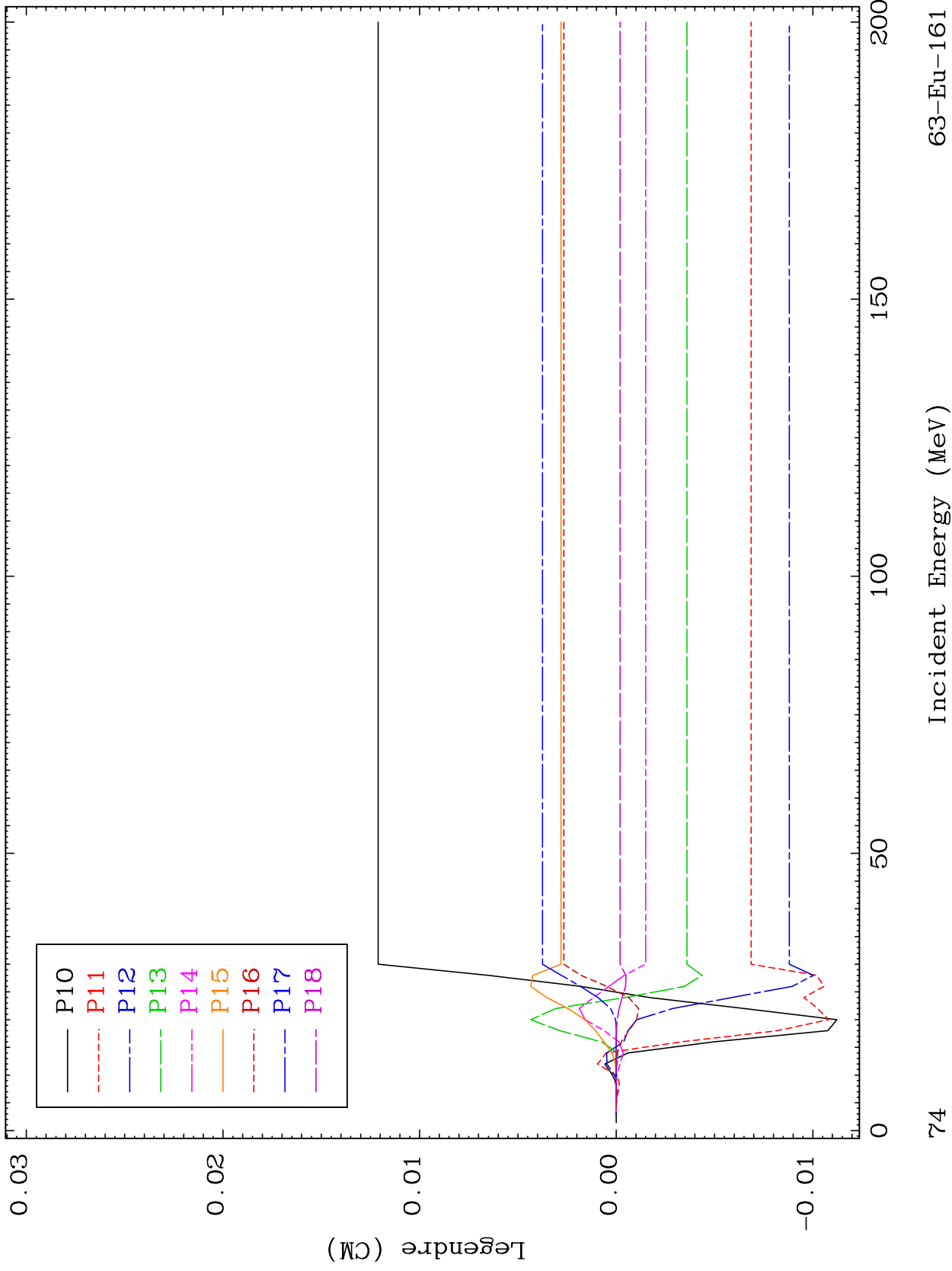
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

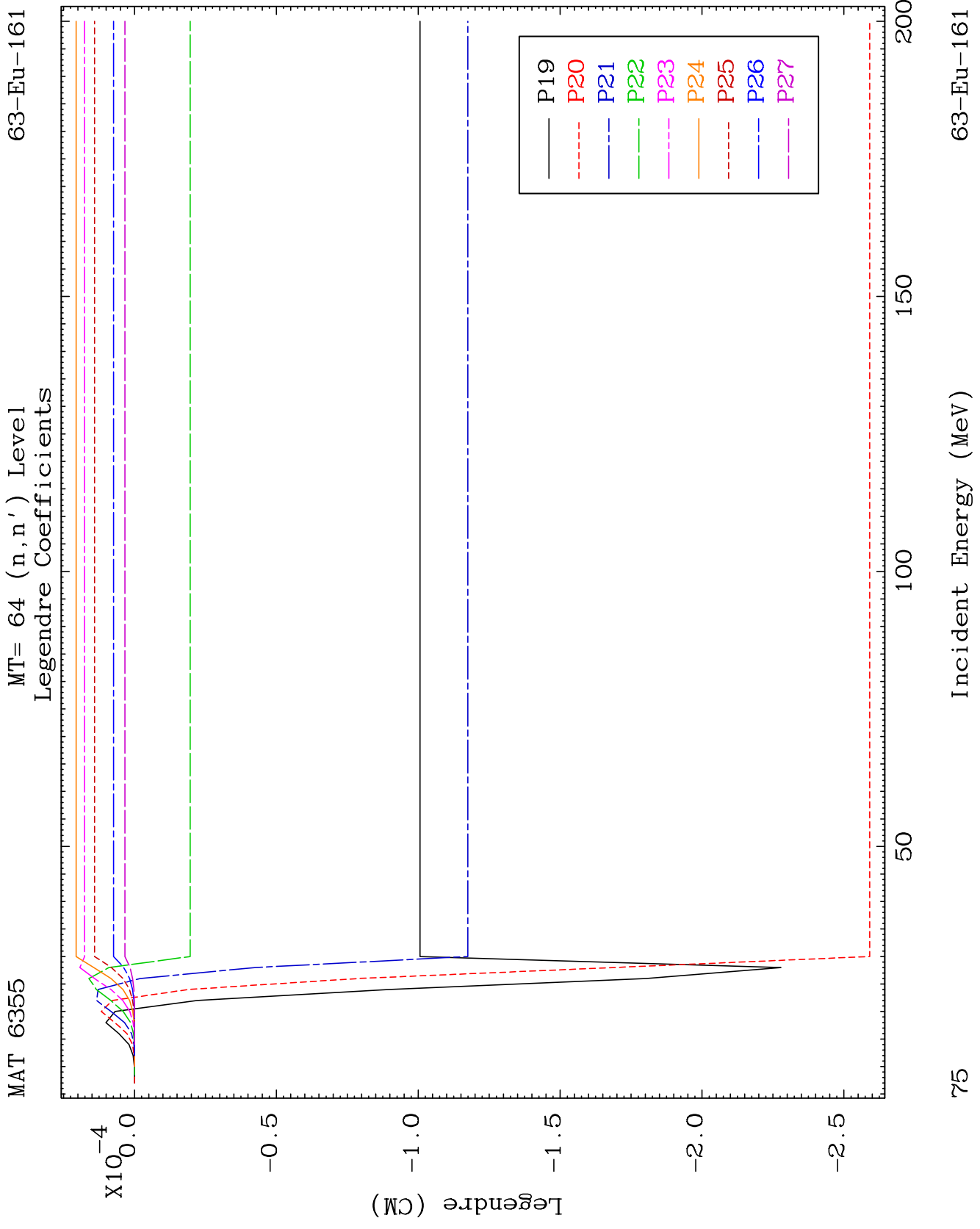
63-Eu-161

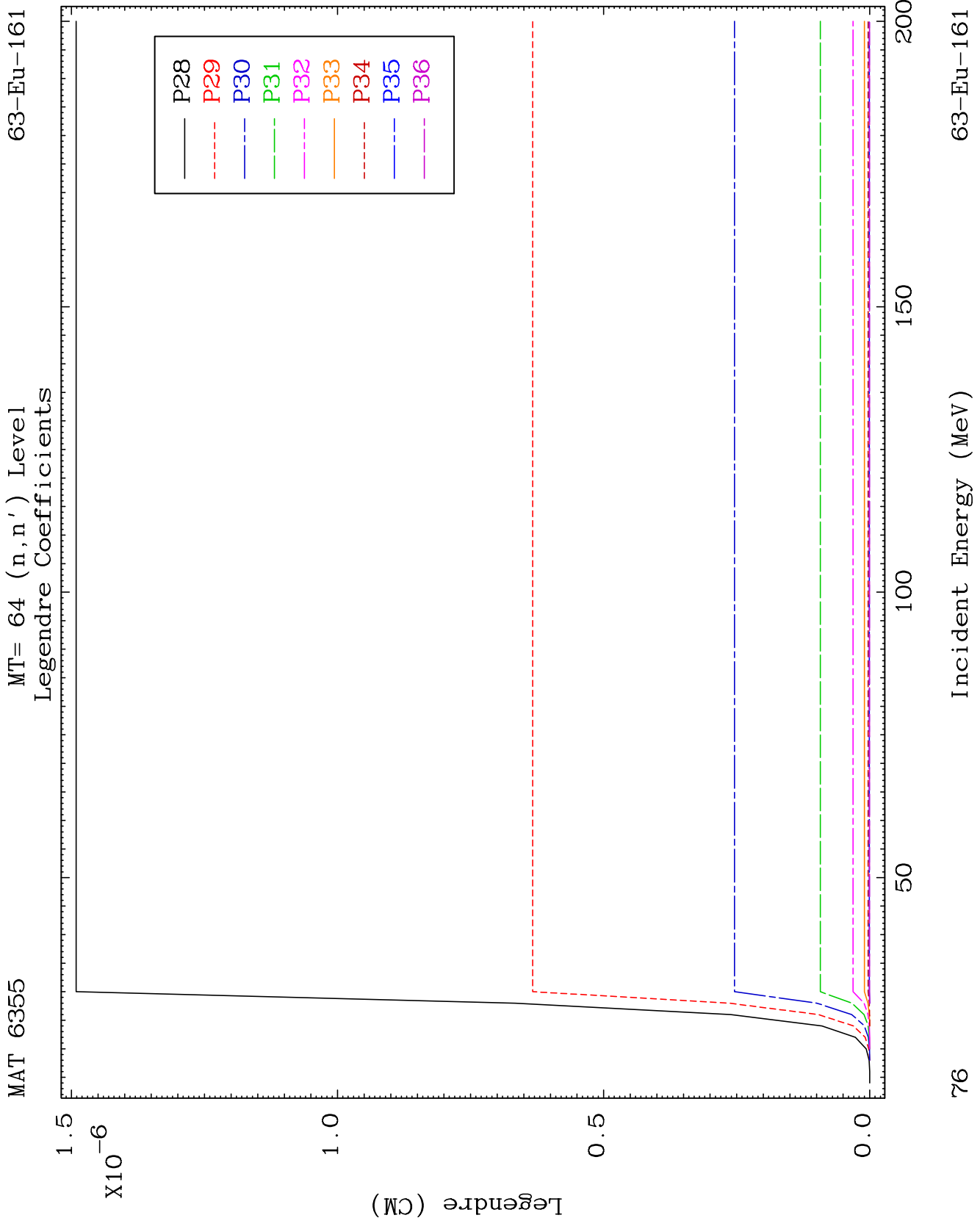


74

Incident Energy (MeV)

63-Eu-161

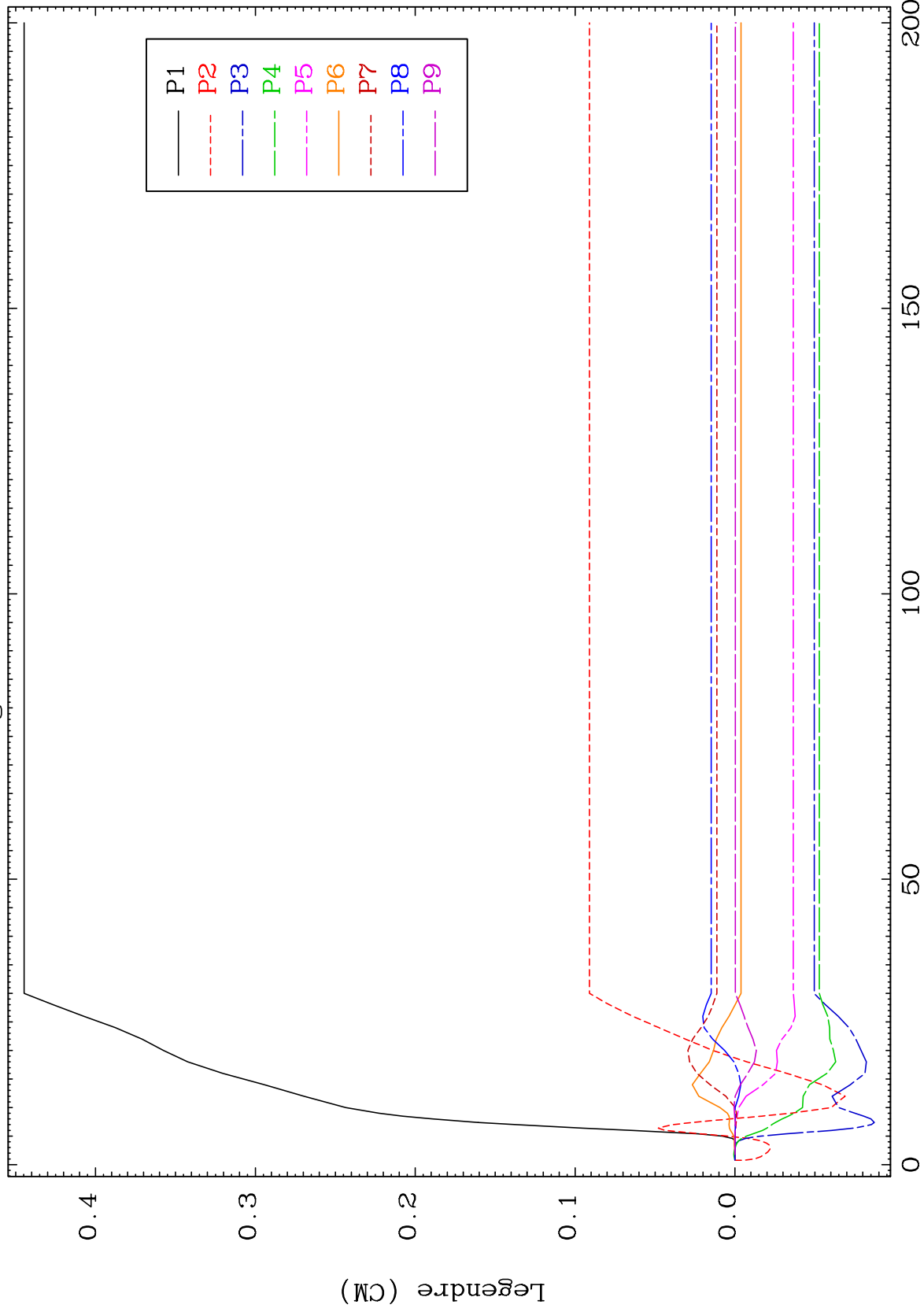




MAT 6355

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

63-Eu-161



77

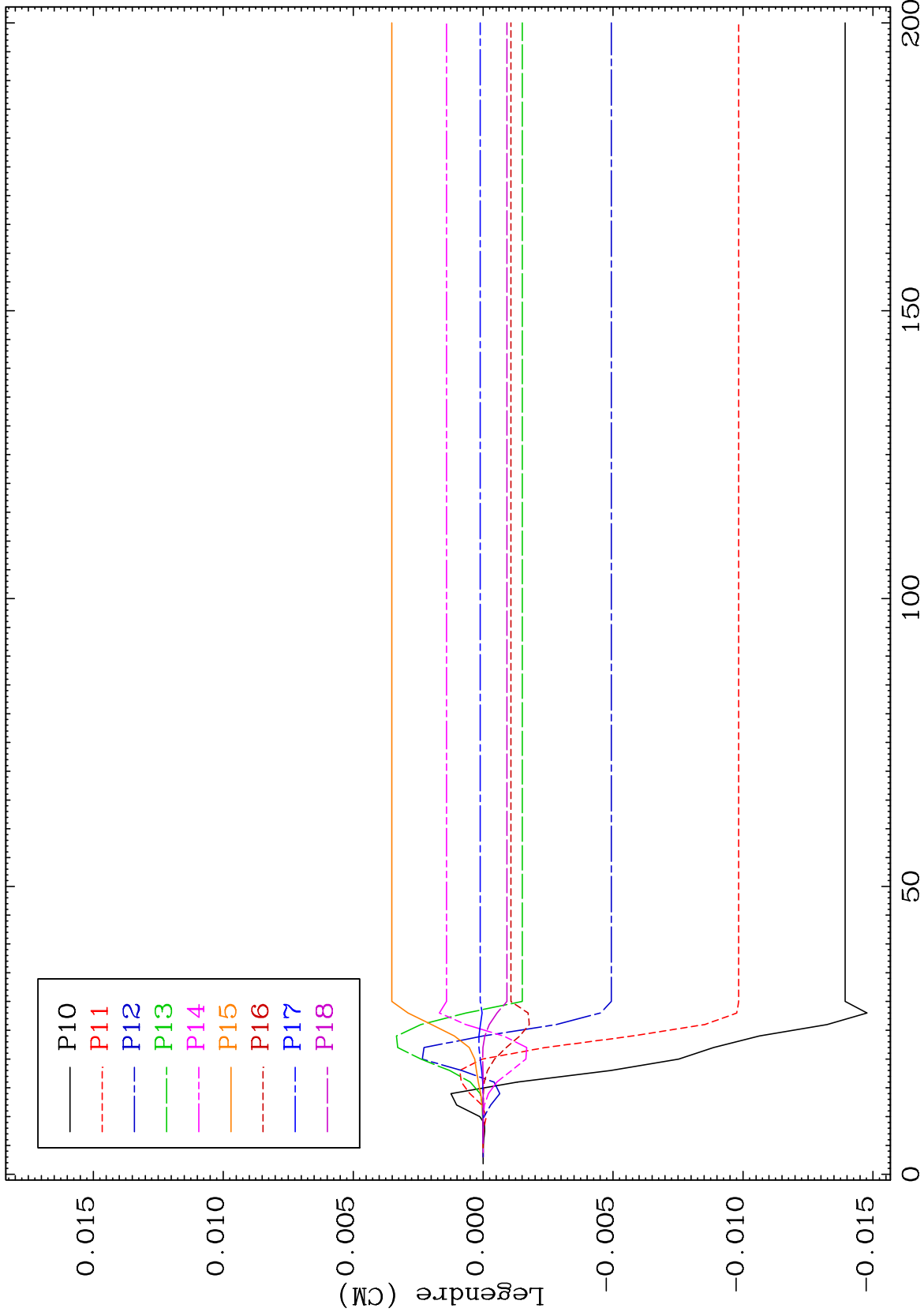
Incident Energy (MeV)

63-Eu-161

MAT 63555

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

63-Eu-161



78

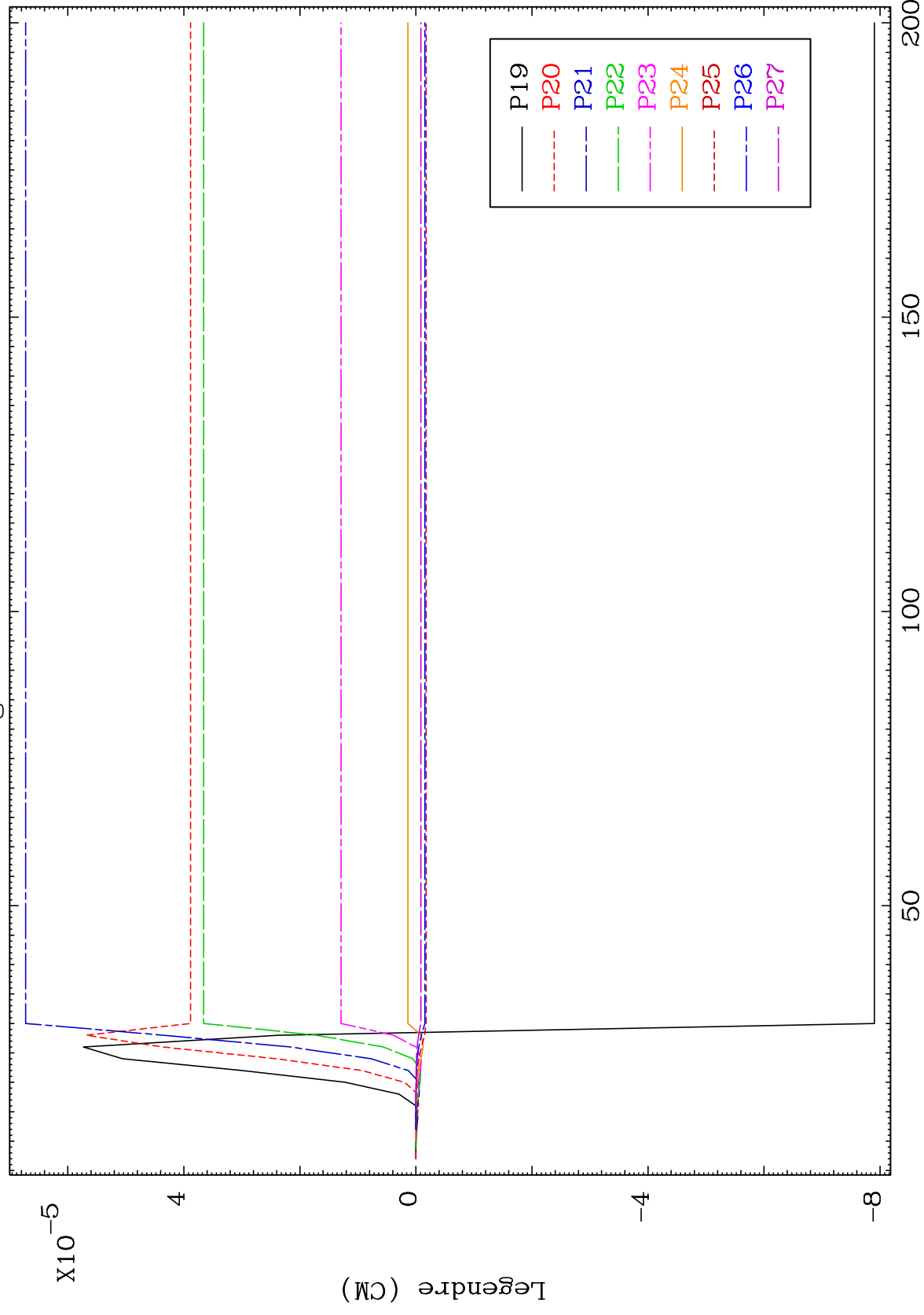
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

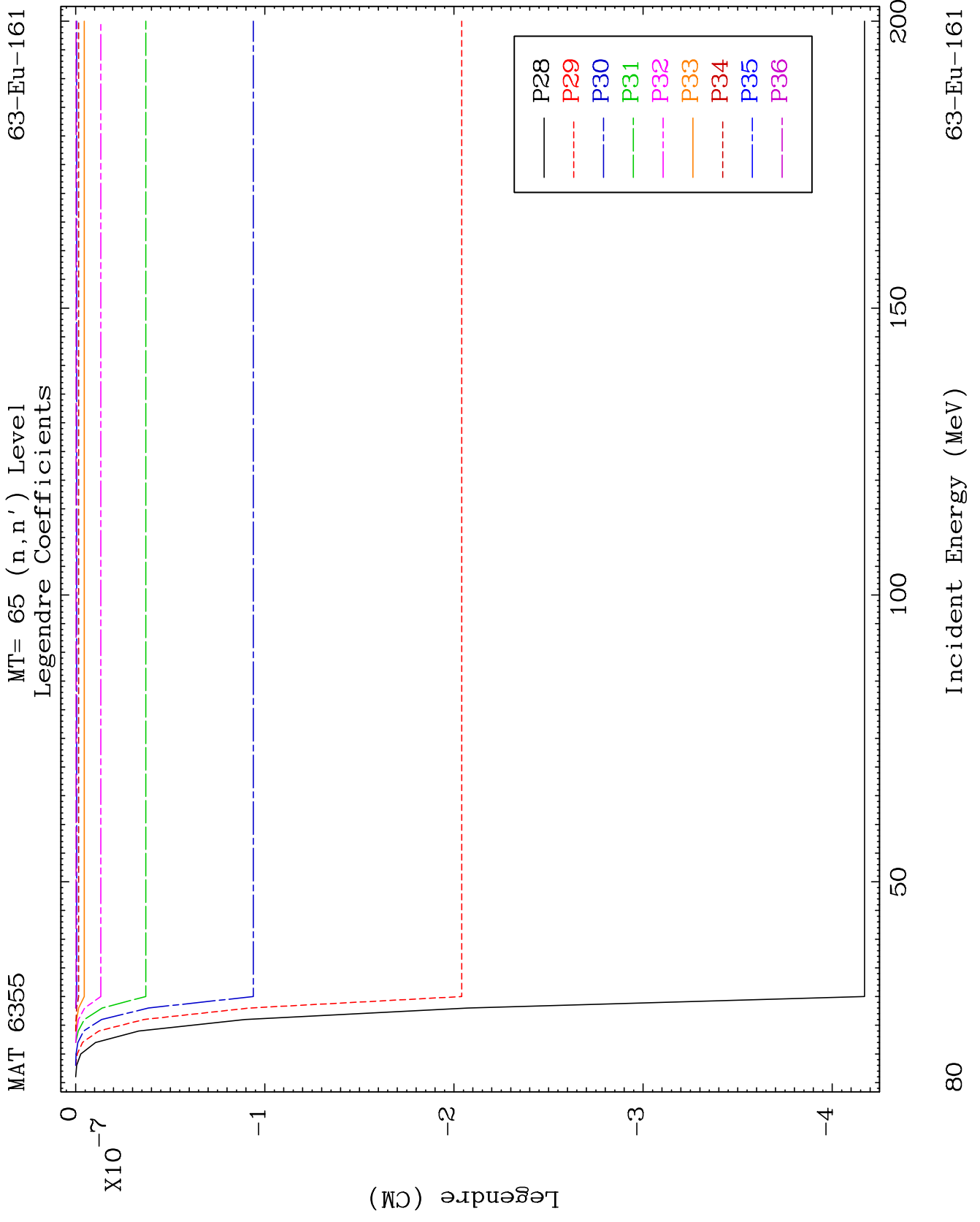
63-Eu-161



79

Incident Energy (MeV)

63-Eu-161

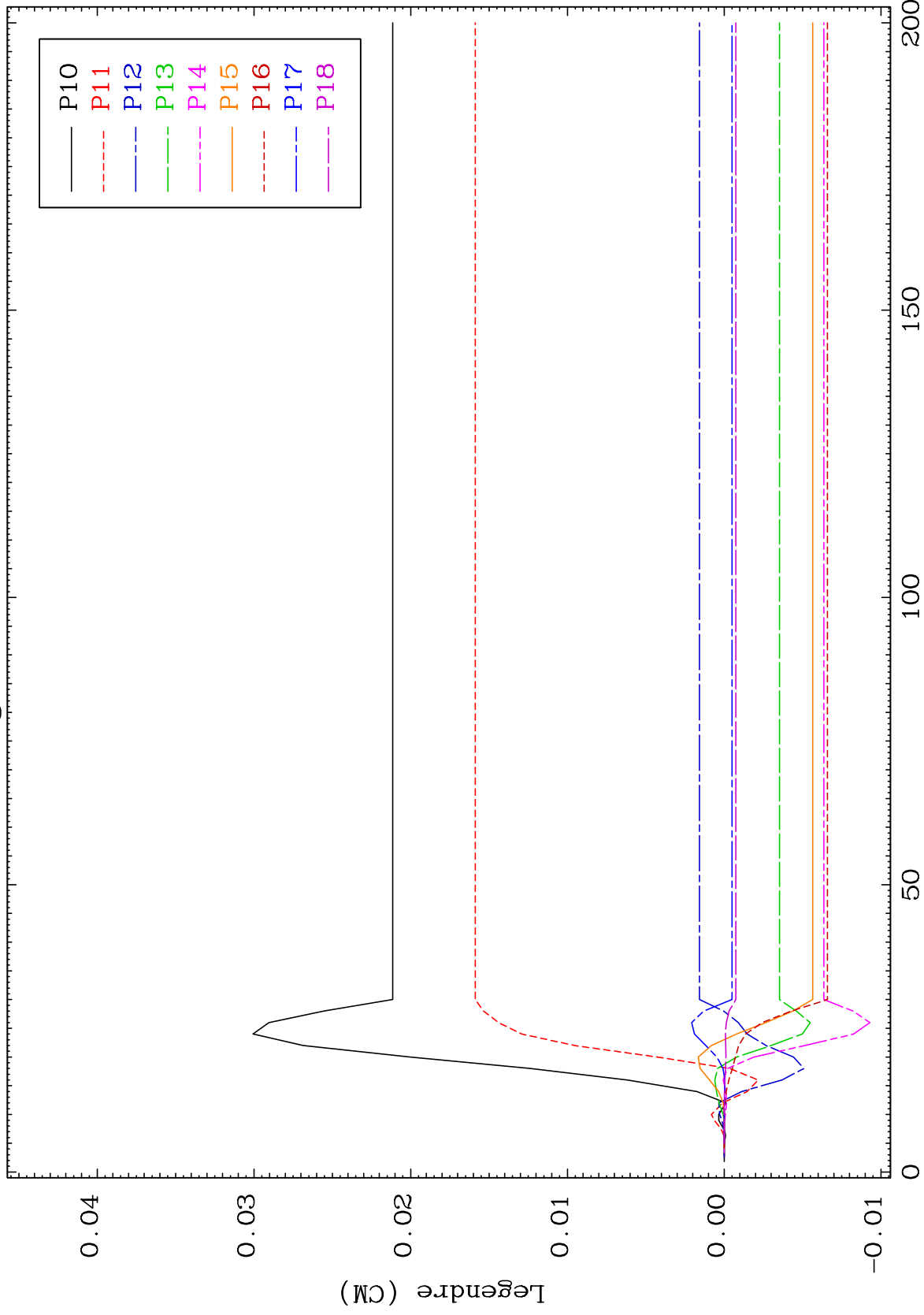




MAT 6355

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

63-Eu-161



82

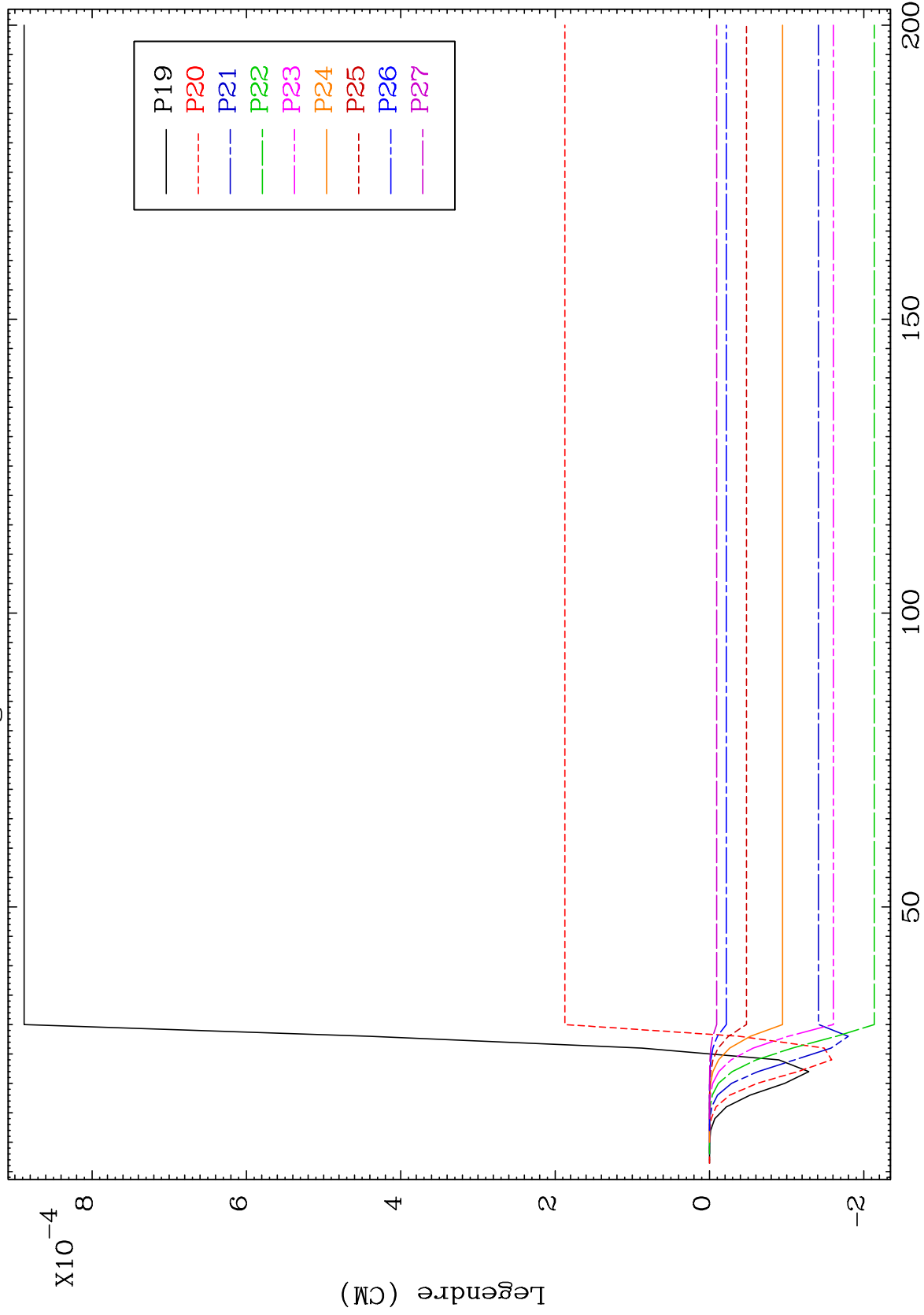
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



83

63-Eu-161

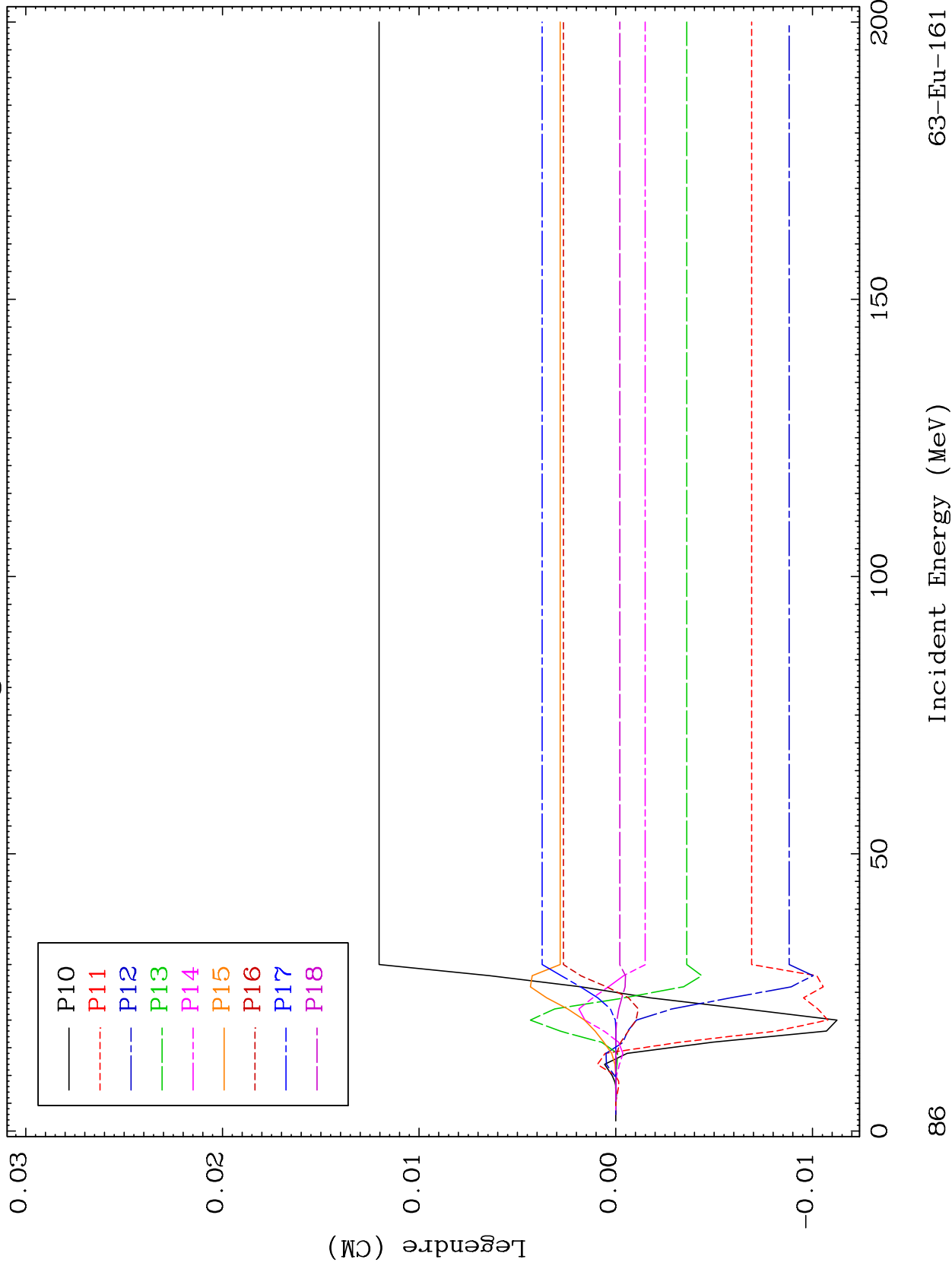




MAT 6355

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

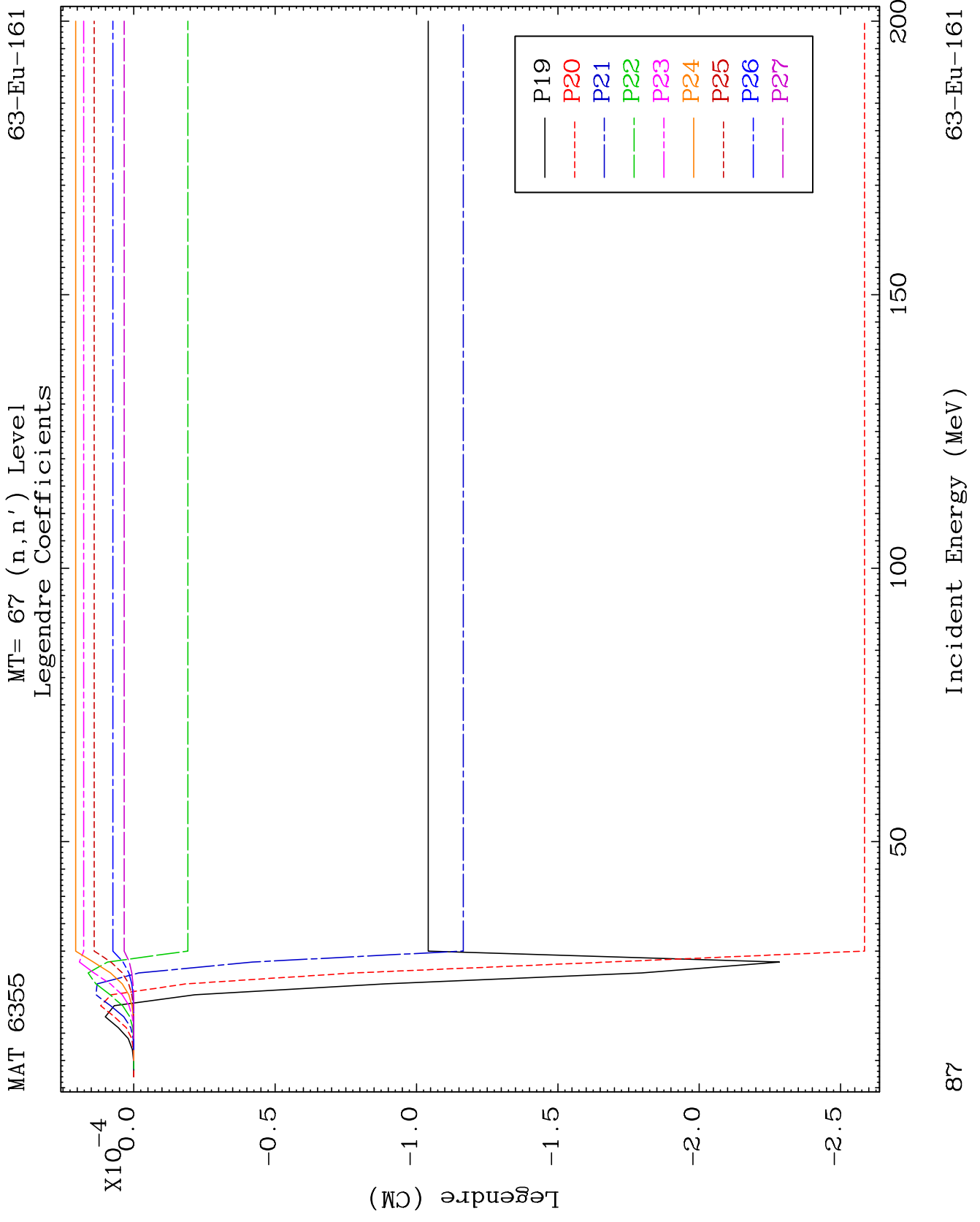
63-Eu-161

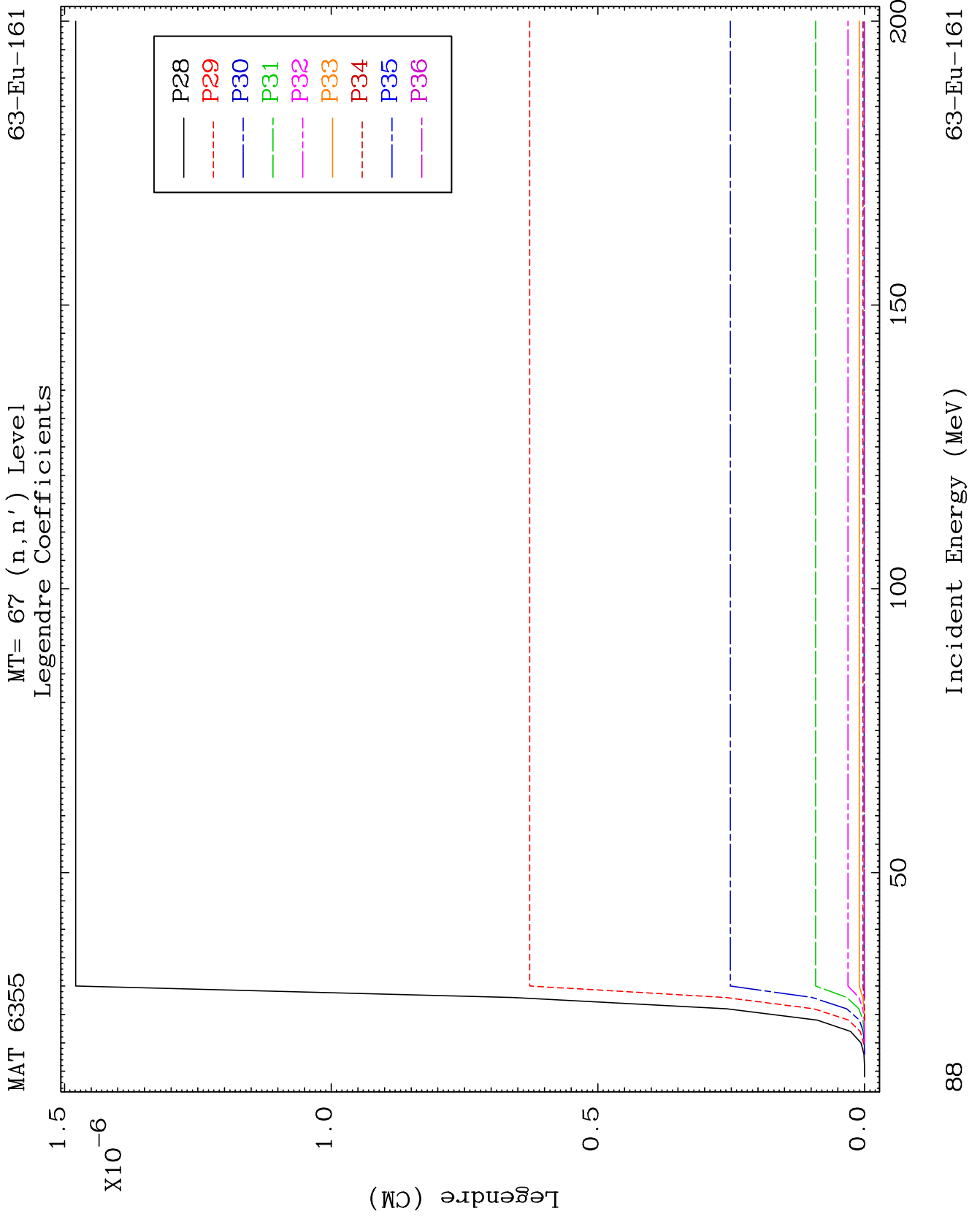


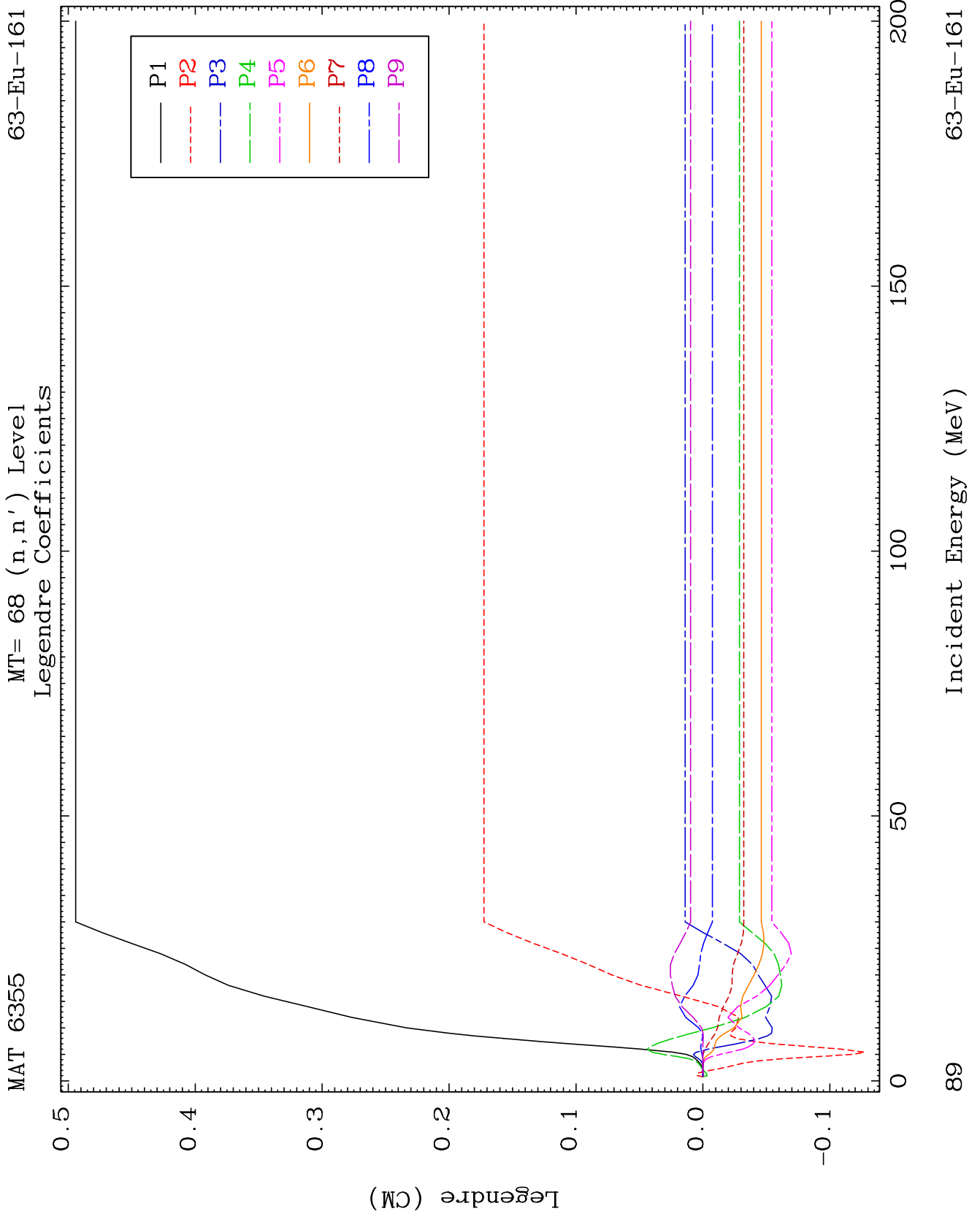
86

Incident Energy (MeV)

63-Eu-161



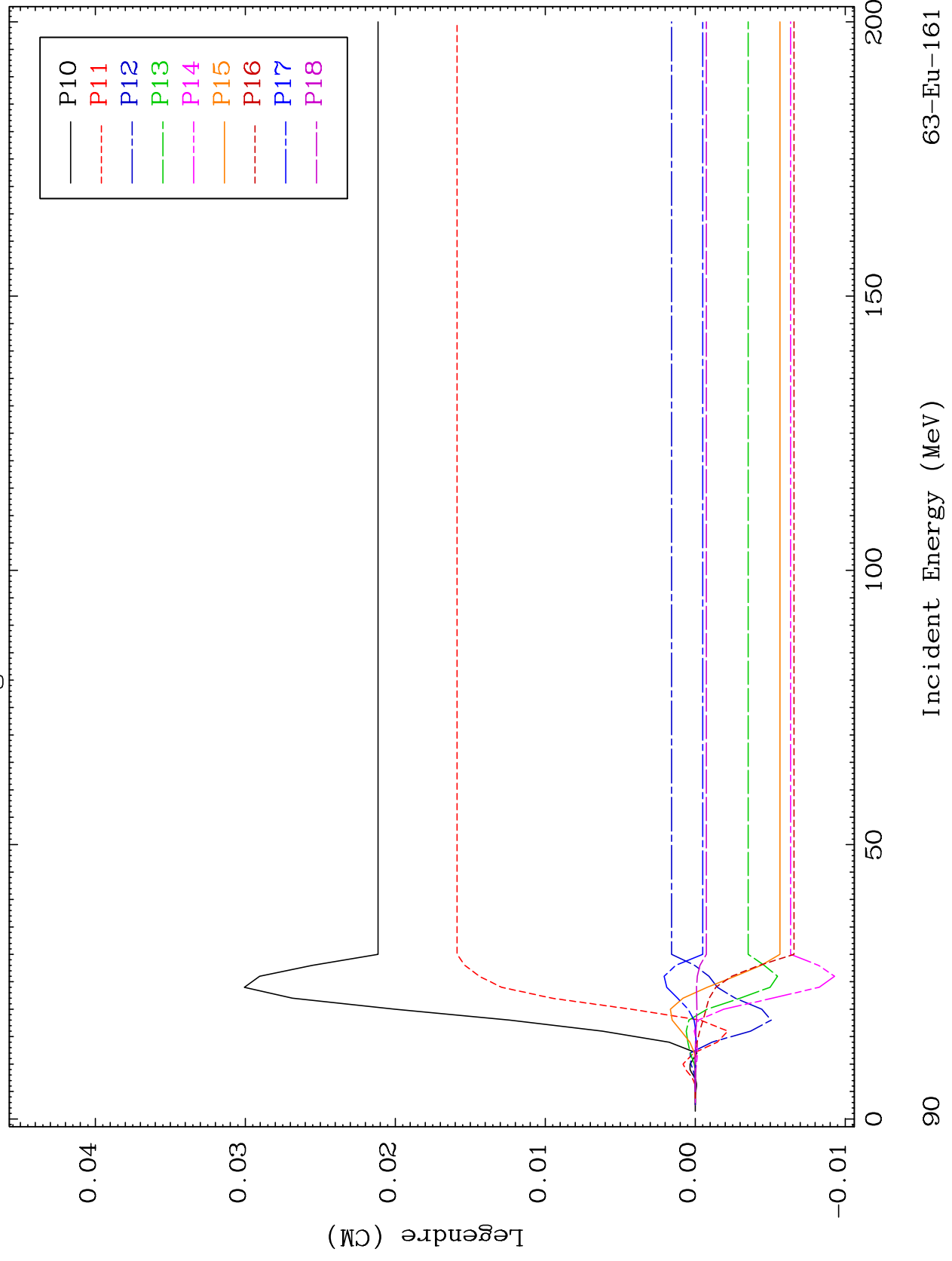




MAT 6355

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

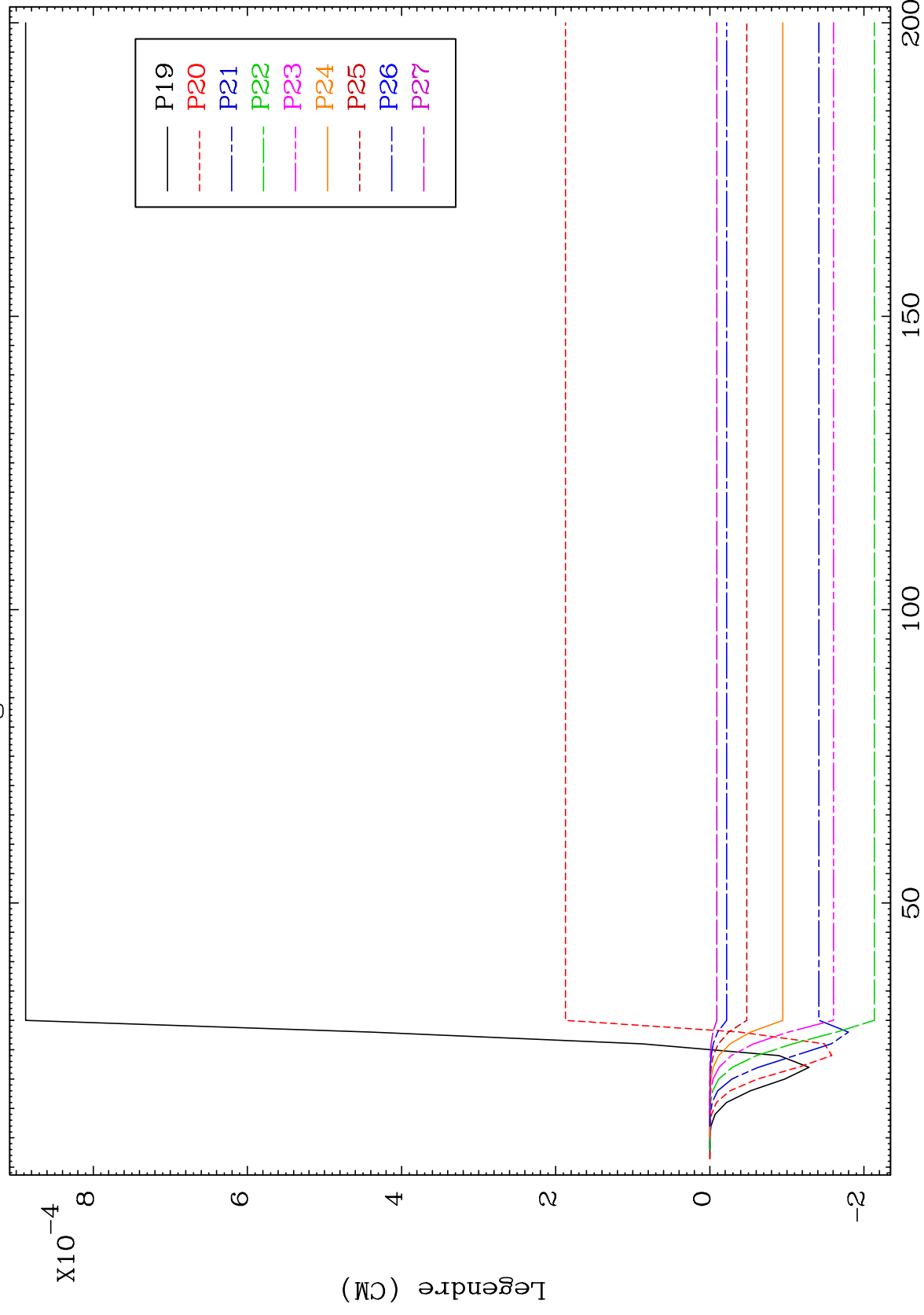
63-Eu-161

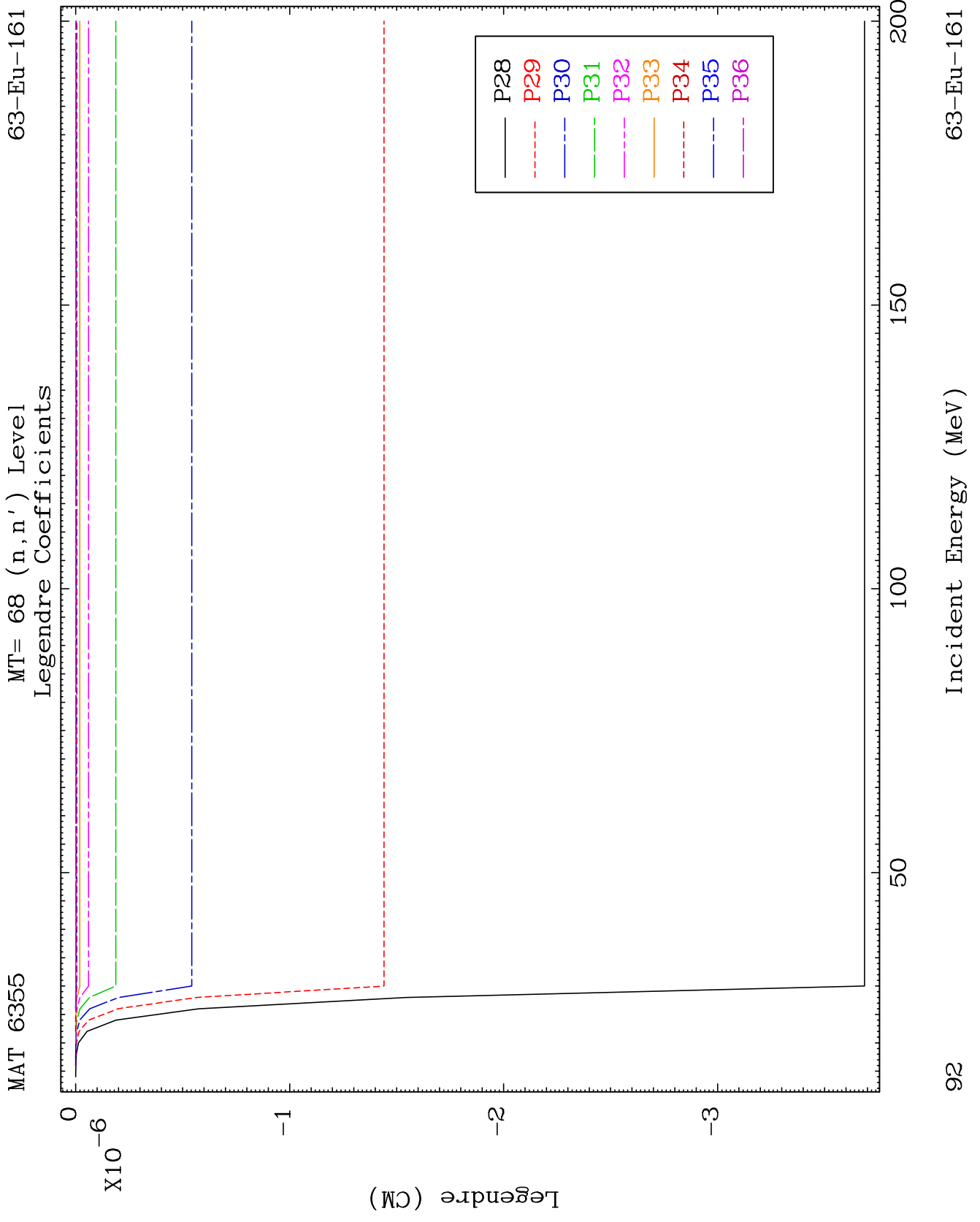


63-Eu-161

Incident Energy (MeV)

90



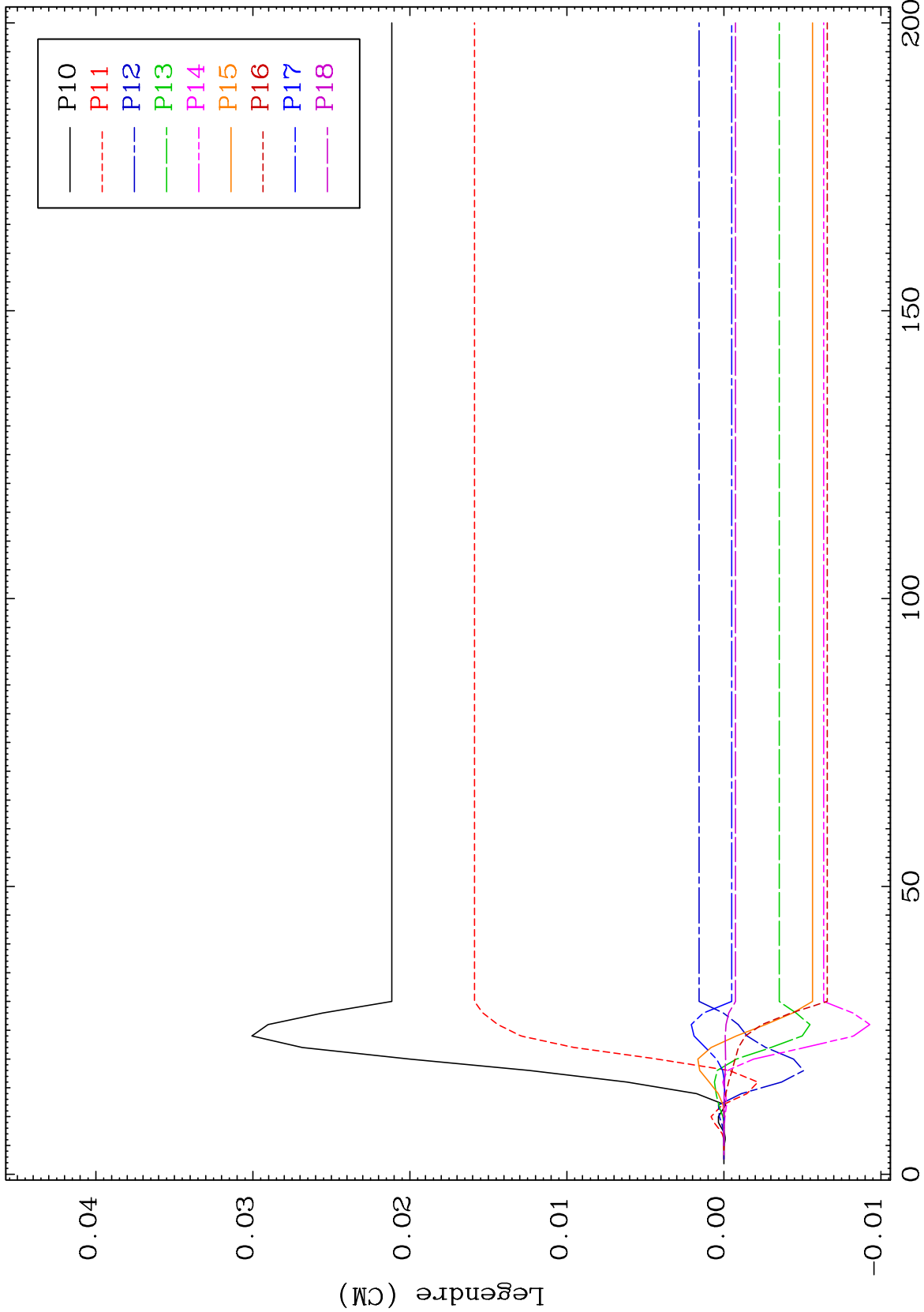




MAT 6355

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

63-Eu-161



94

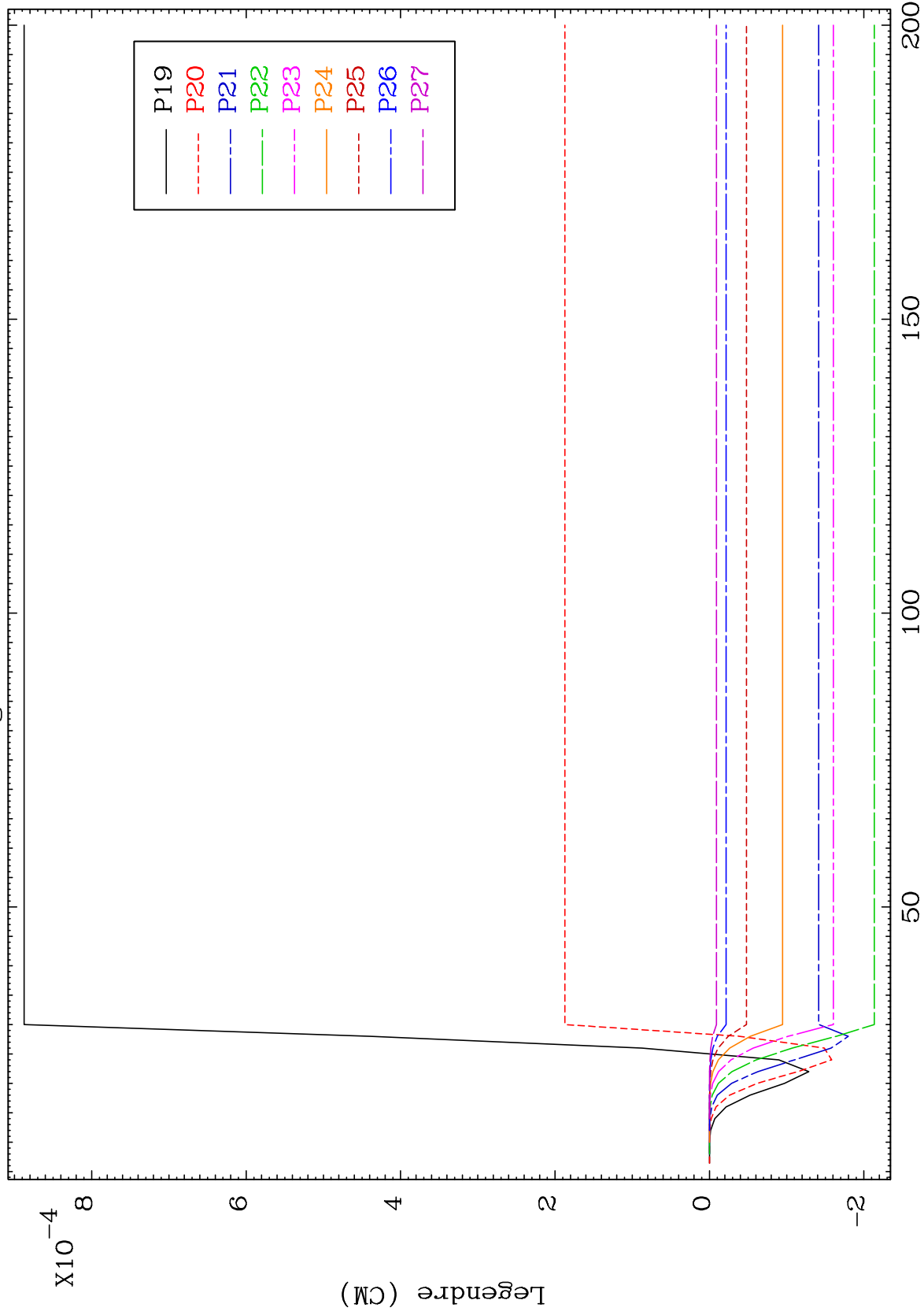
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



95

Incident Energy (MeV)

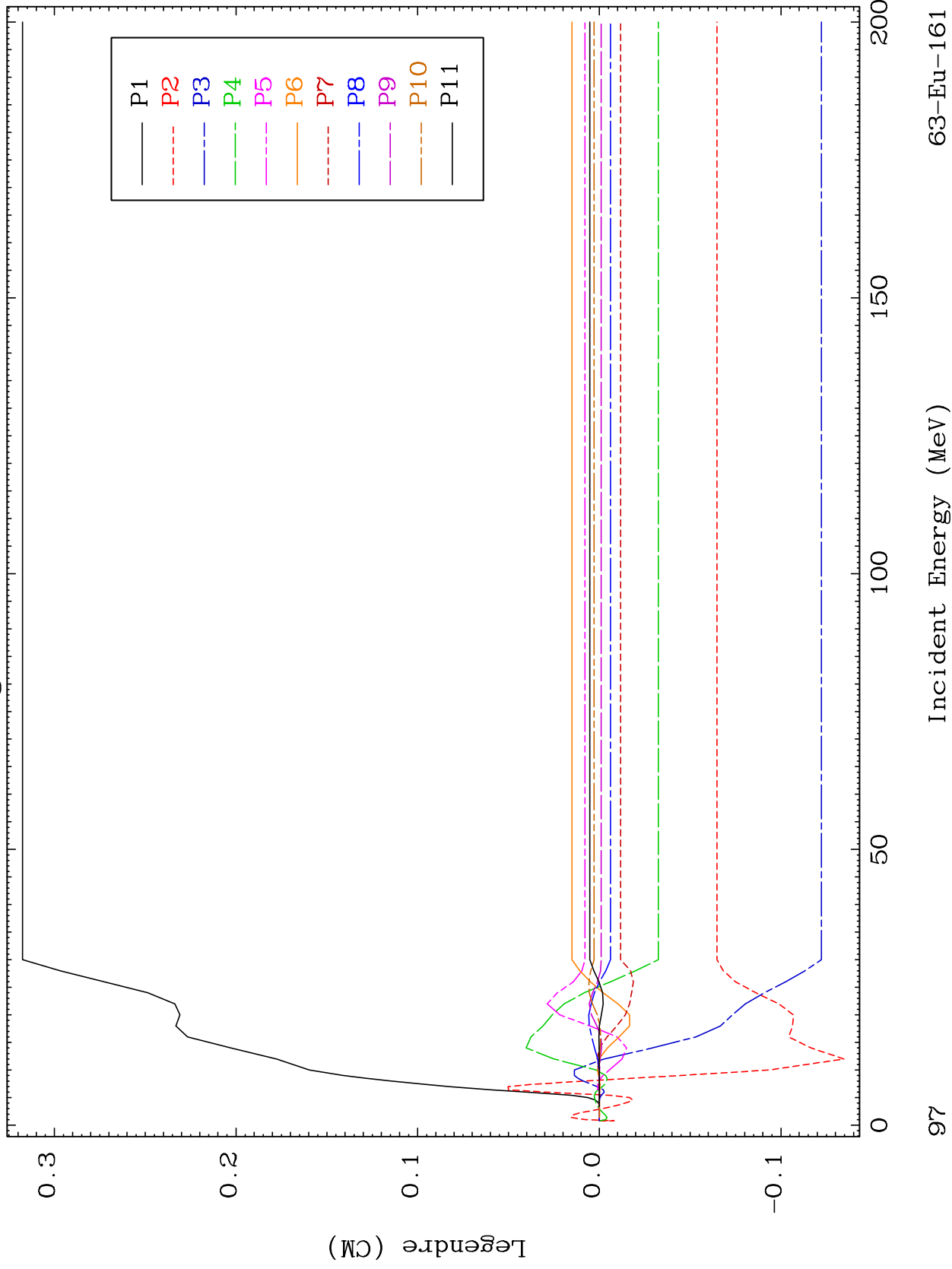
63-Eu-161



MAT 6355

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

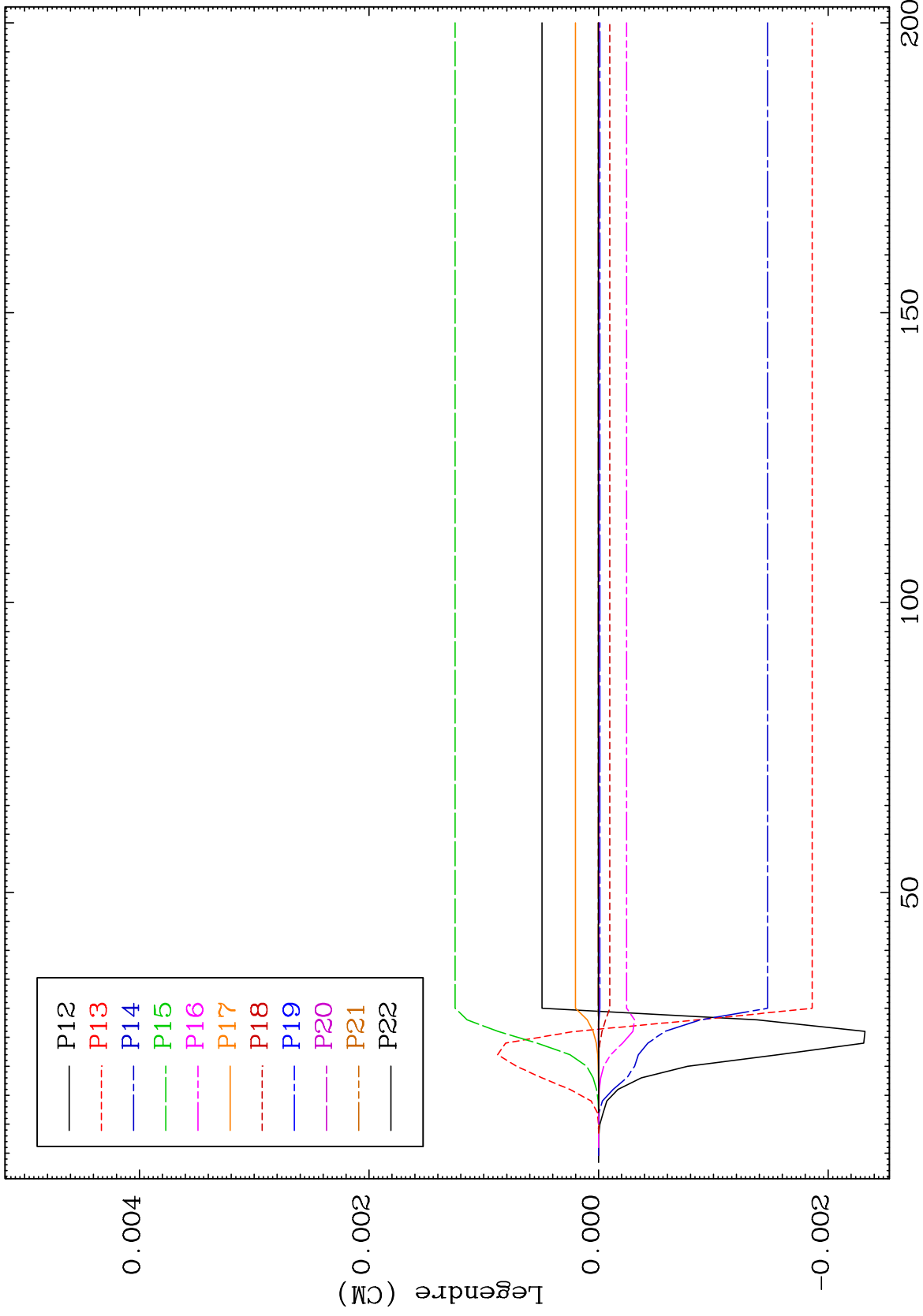
63-Eu-161

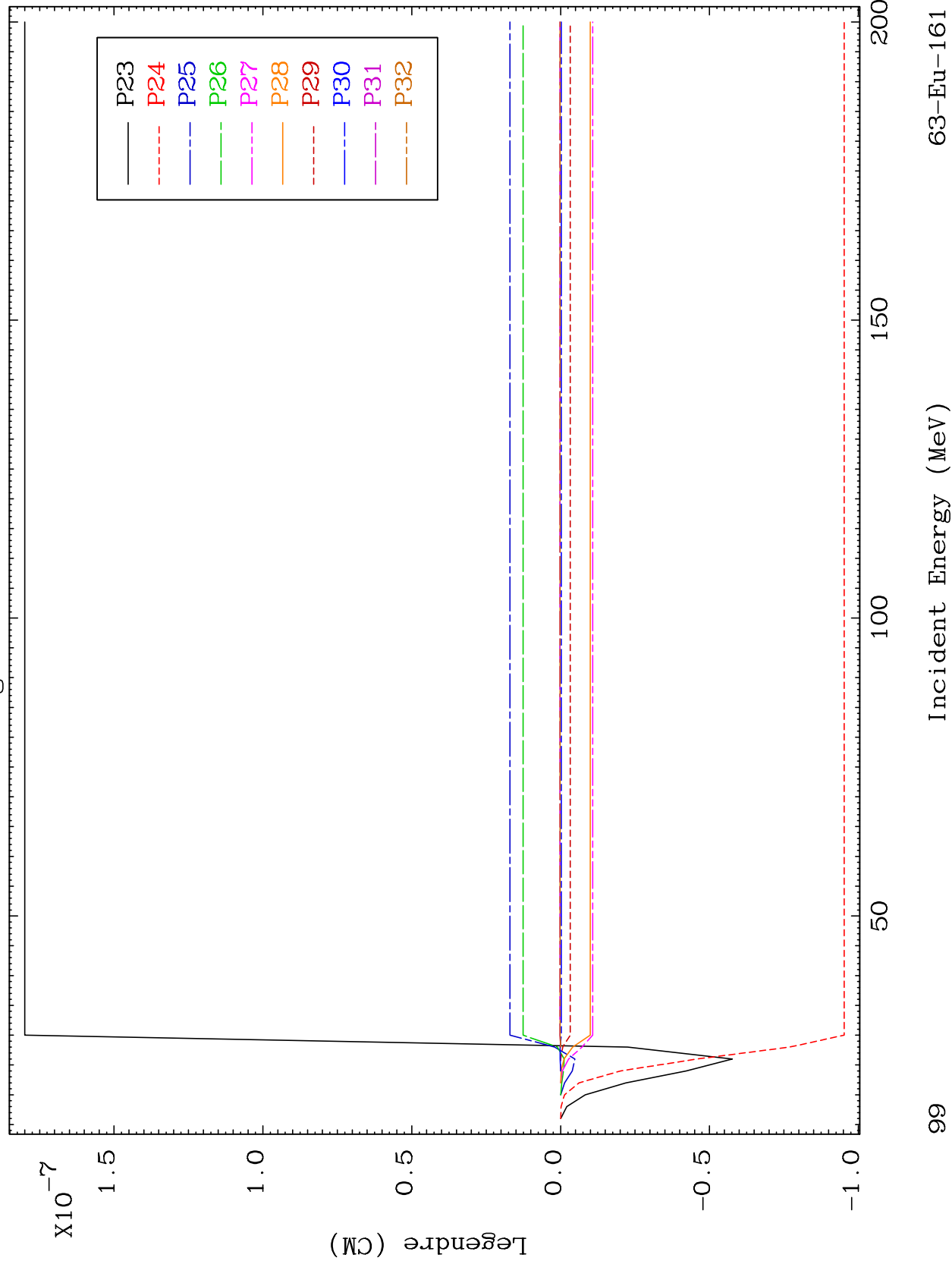


97

Incident Energy (MeV)

63-Eu-161

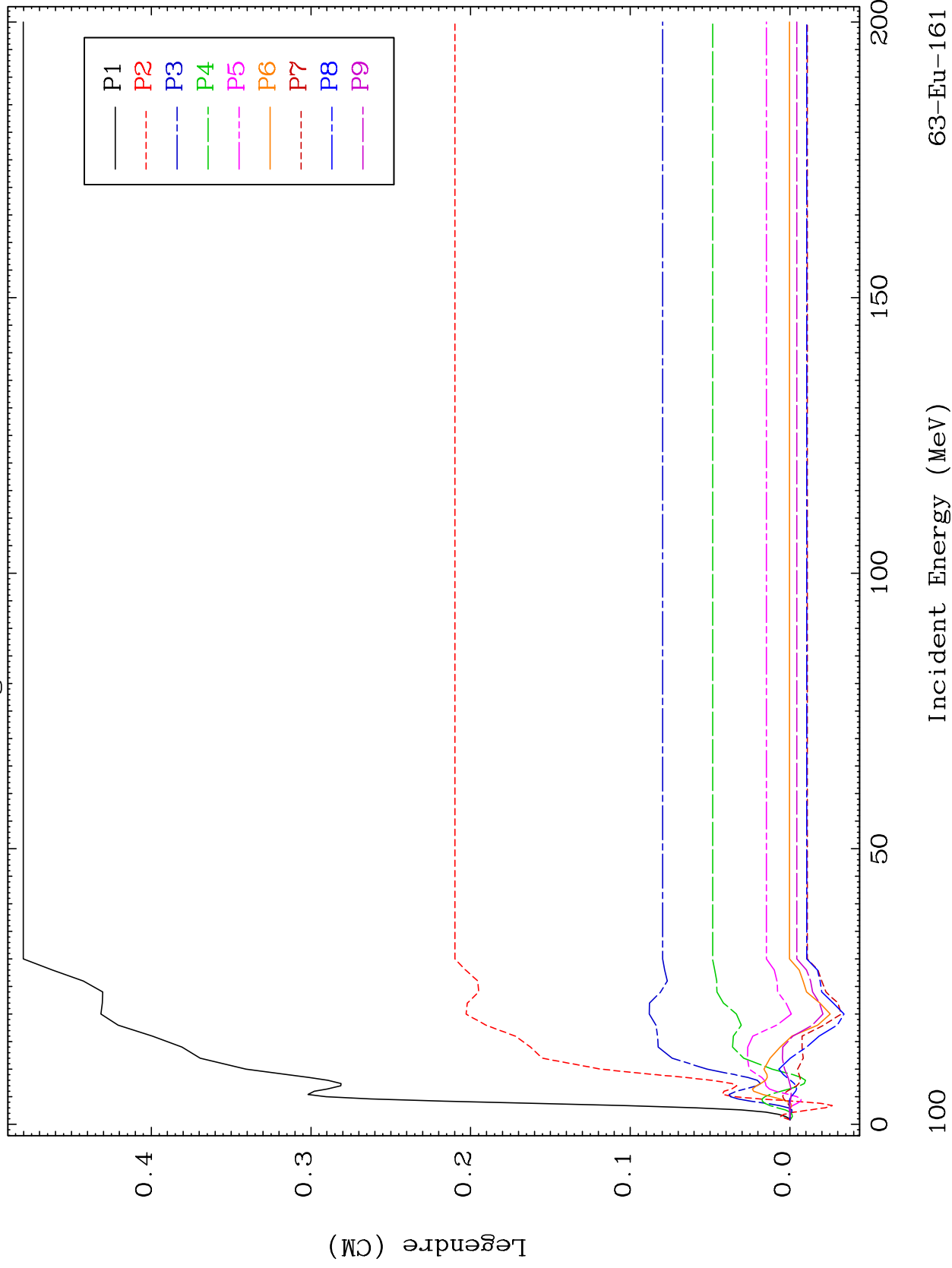




MAT 6355

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

63-Eu-161



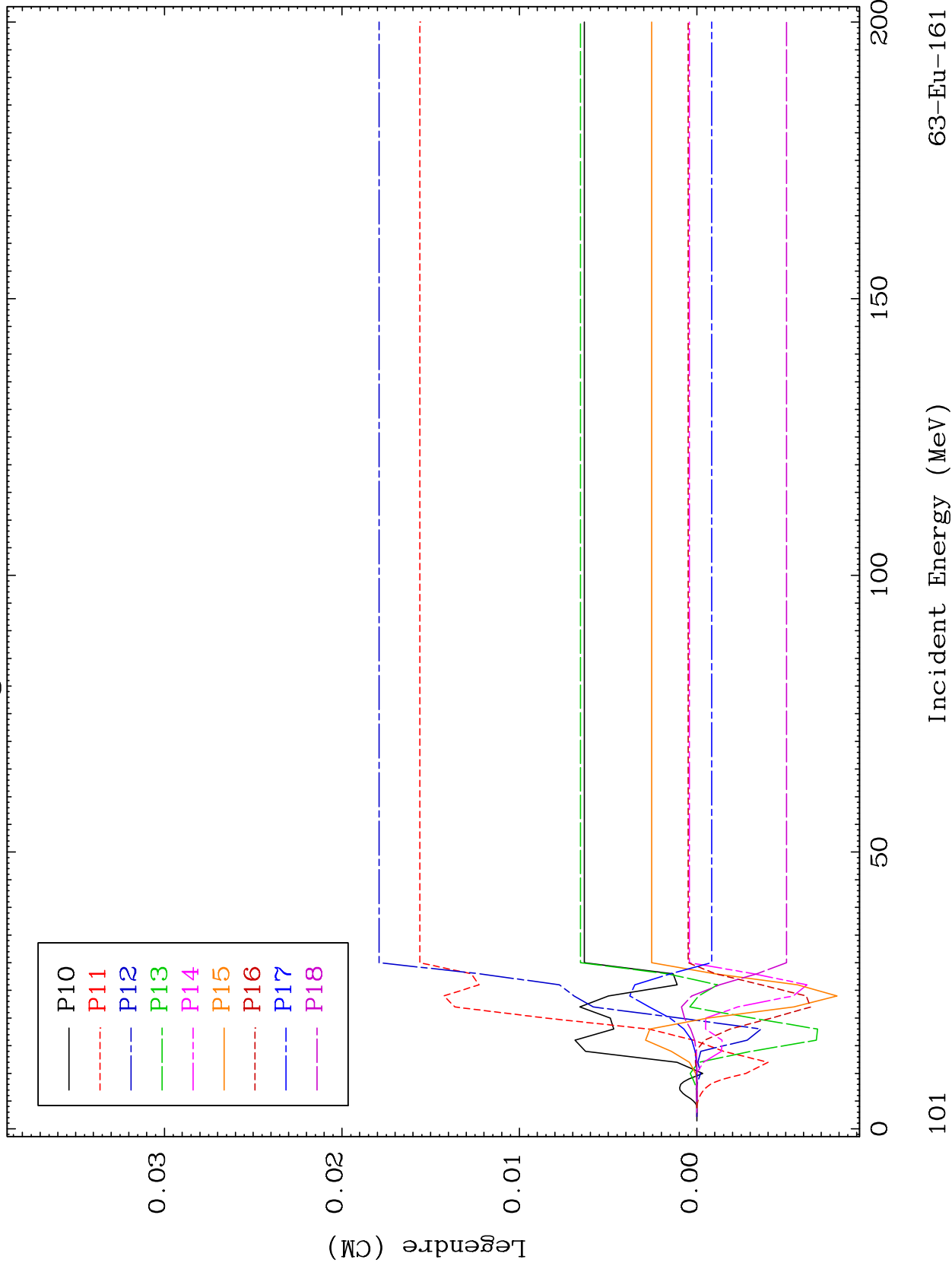
63-Eu-161

Incident Energy (MeV)

MAT 6355

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

63-Eu-161



63-Eu-161

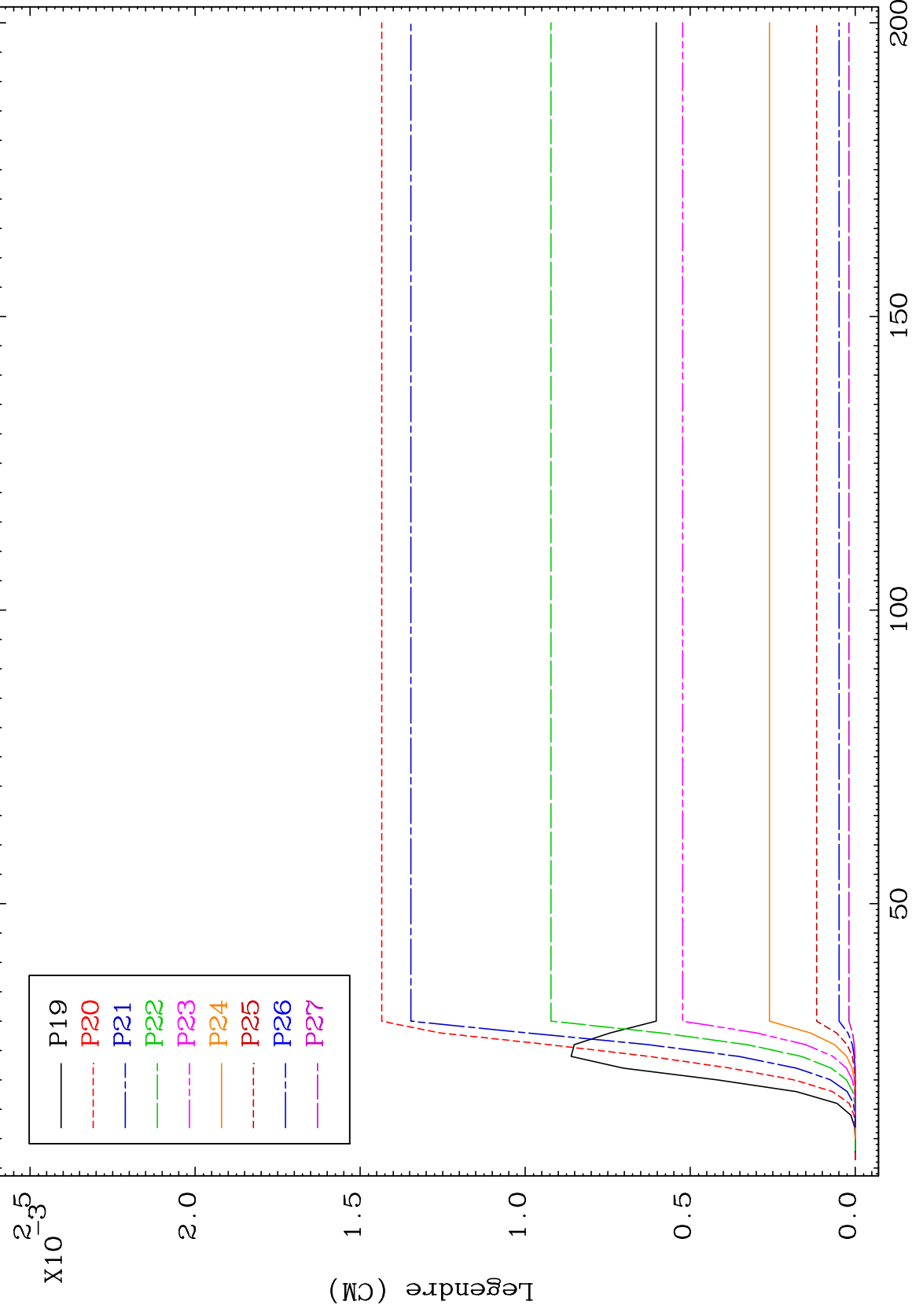
Incident Energy (MeV)

101

MAT 6355

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

63-Eu-161



102

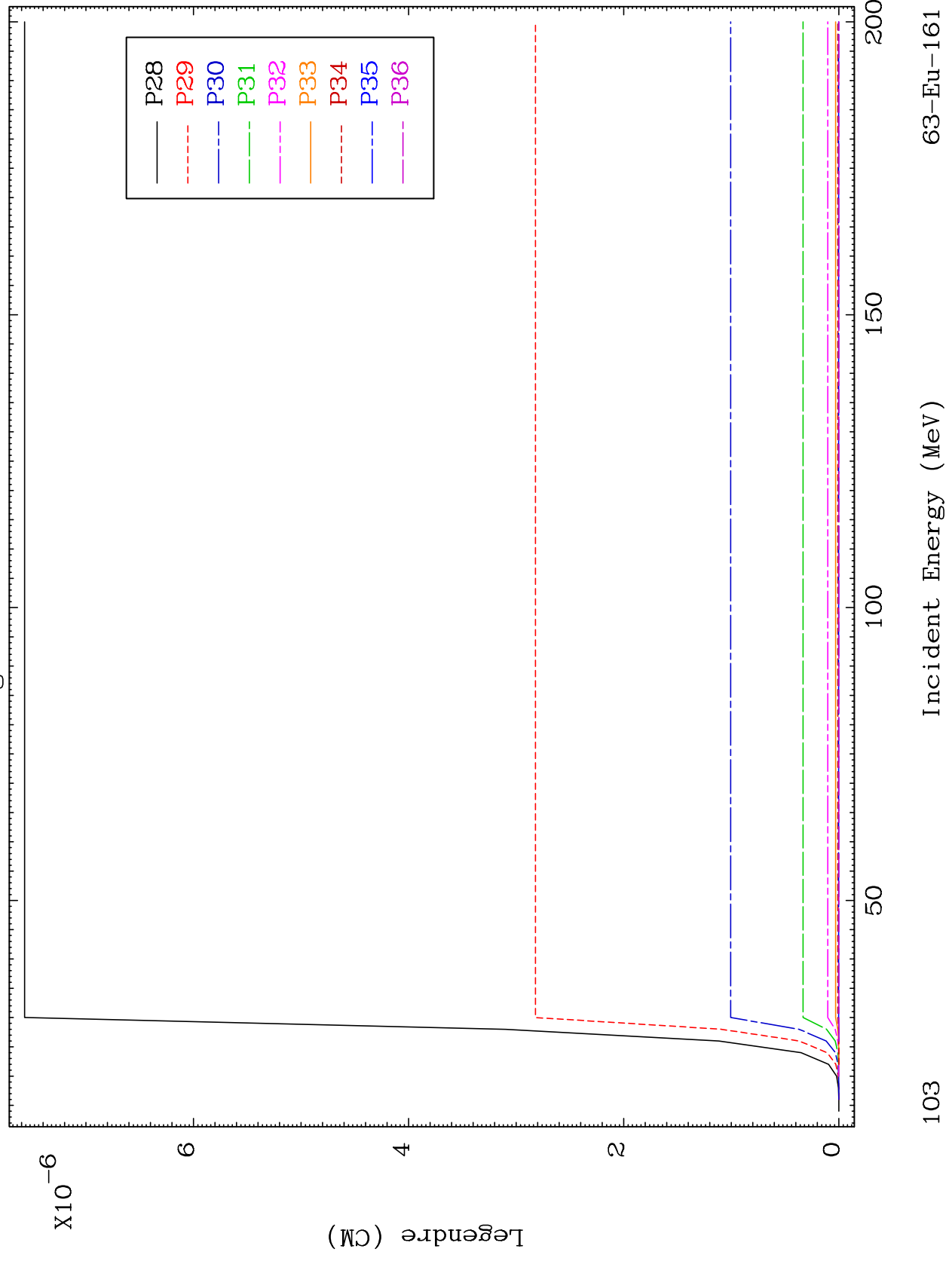
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

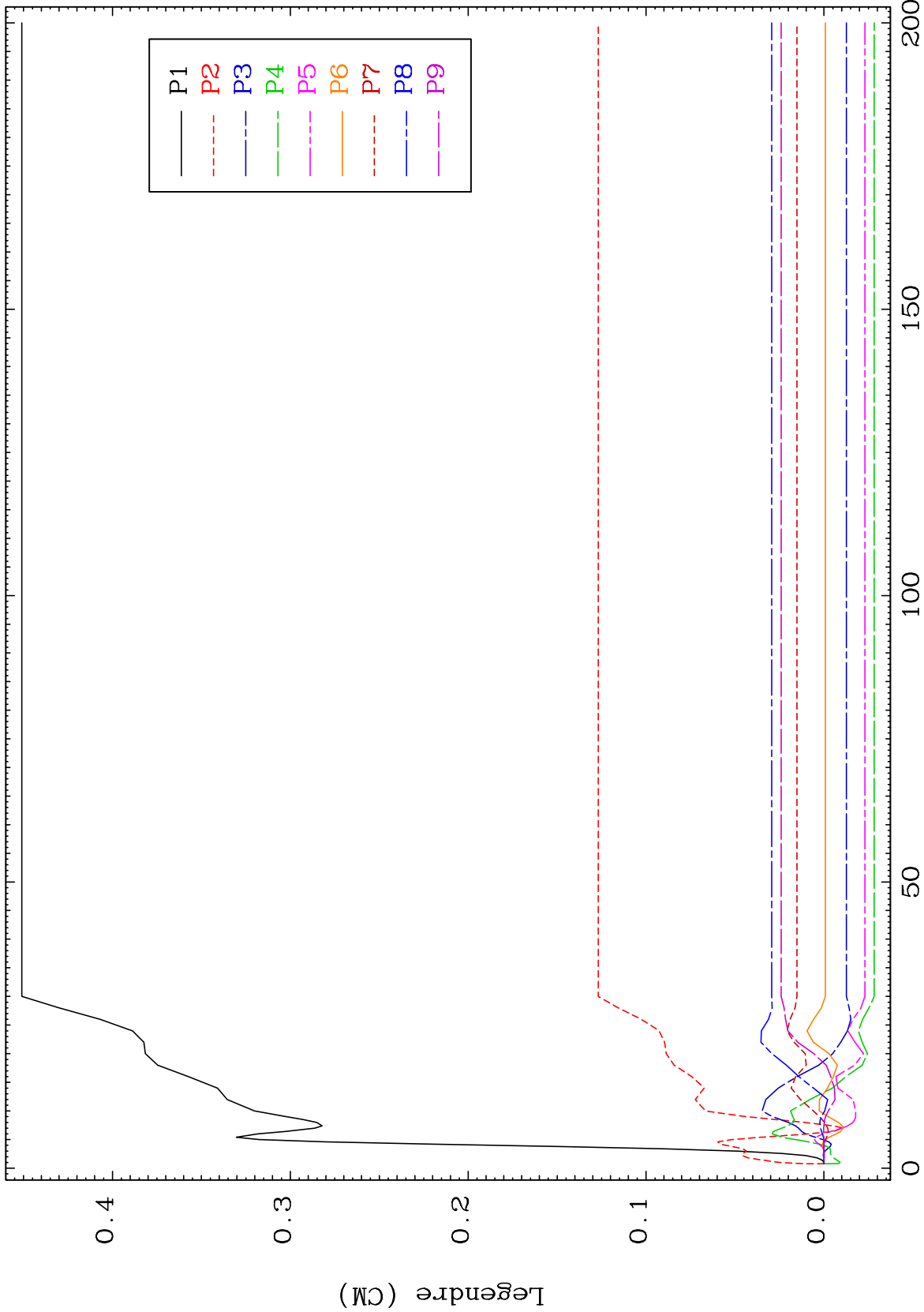
63-Eu-161



MAT 6355

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

63-Eu-161



104

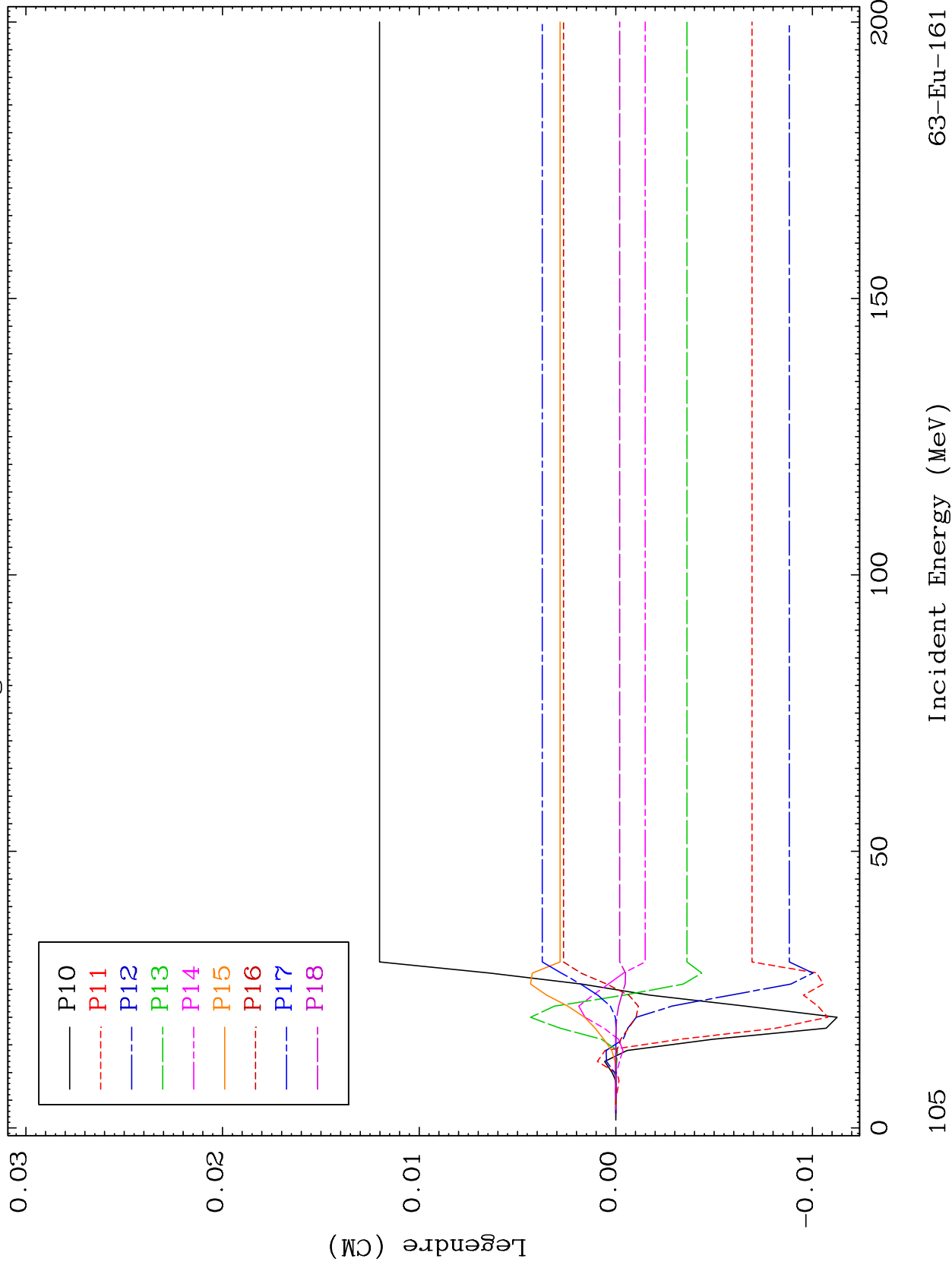
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



63-Eu-161

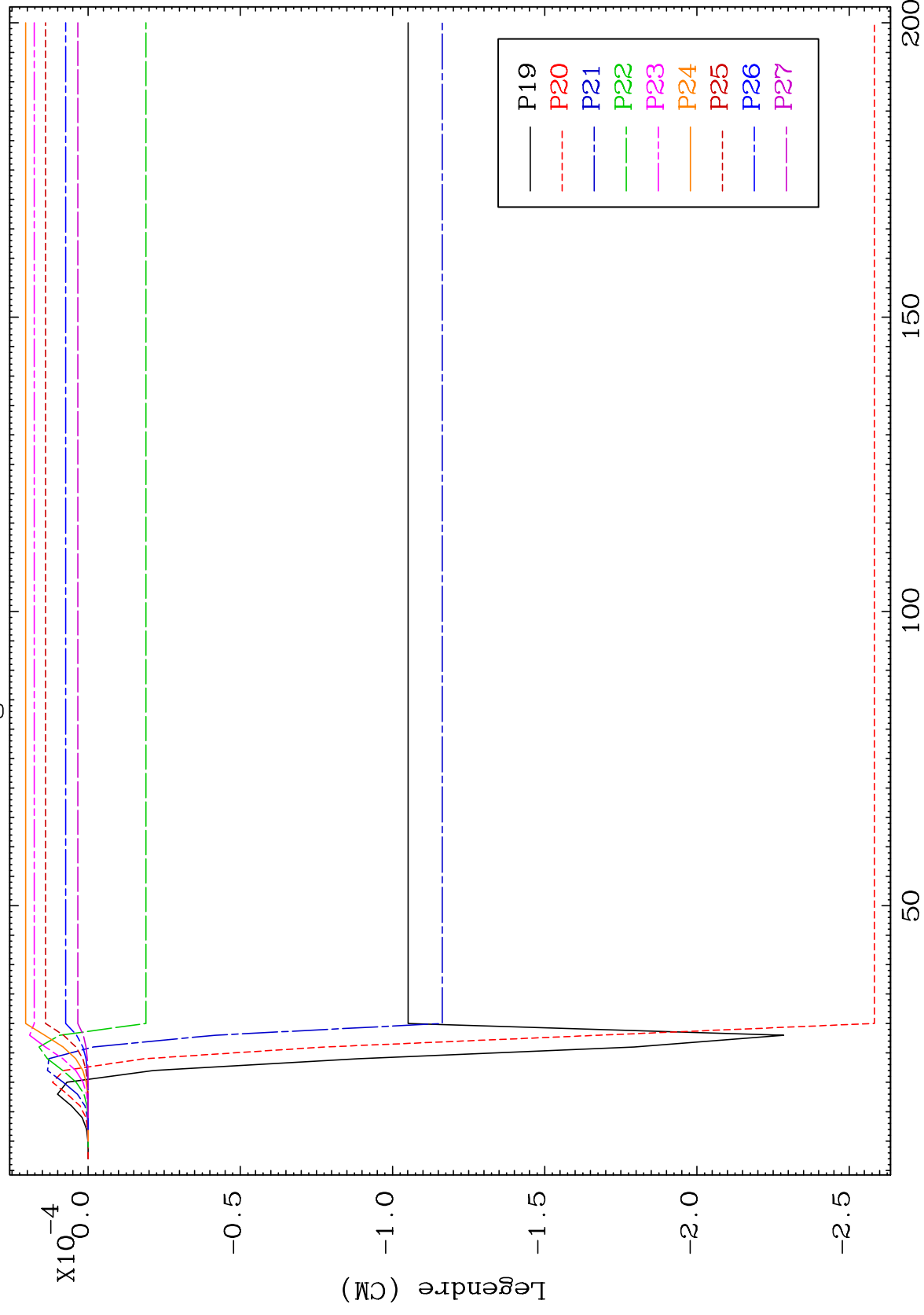
Incident Energy (MeV)

105

MAT 6355

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

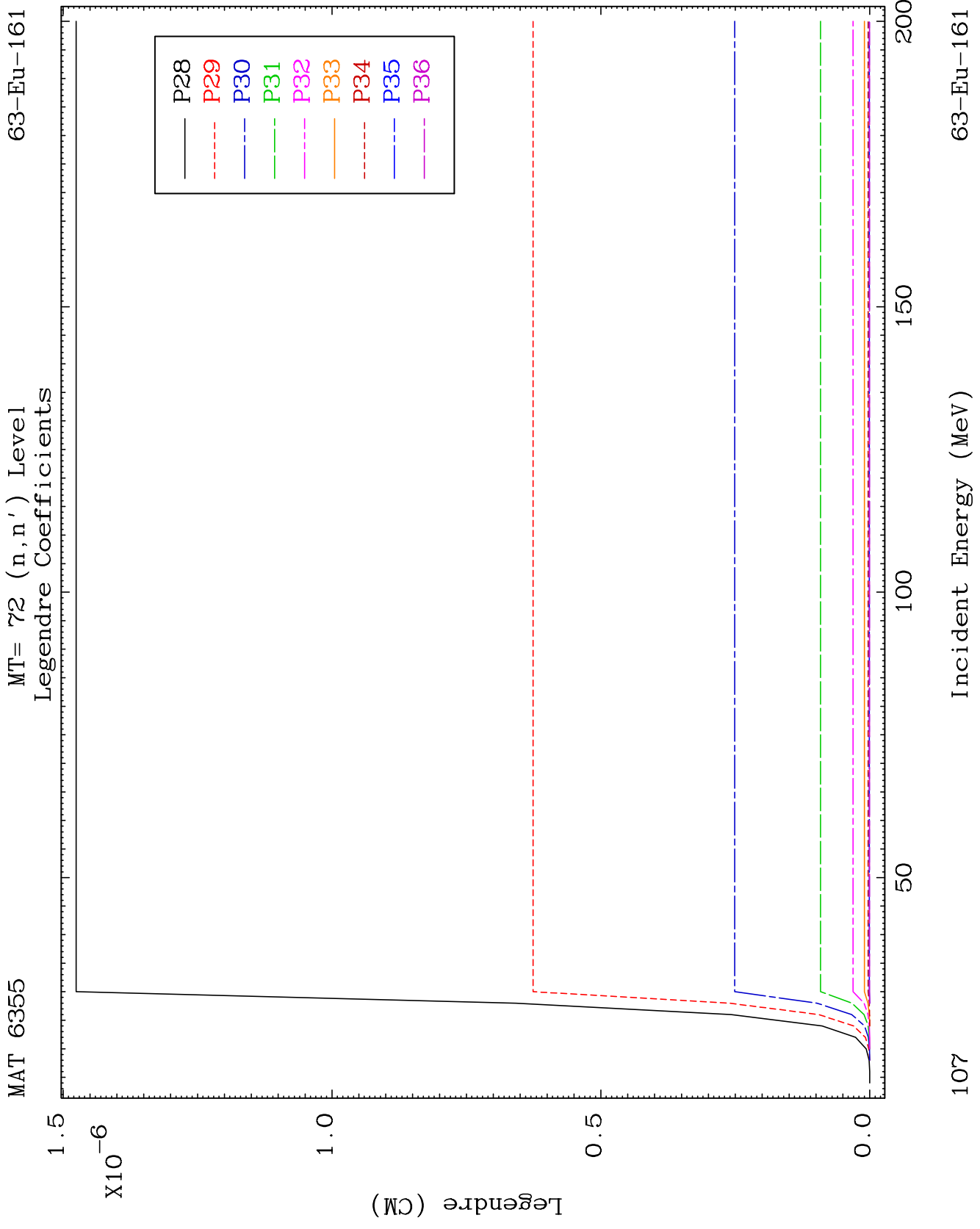
63-Eu-161

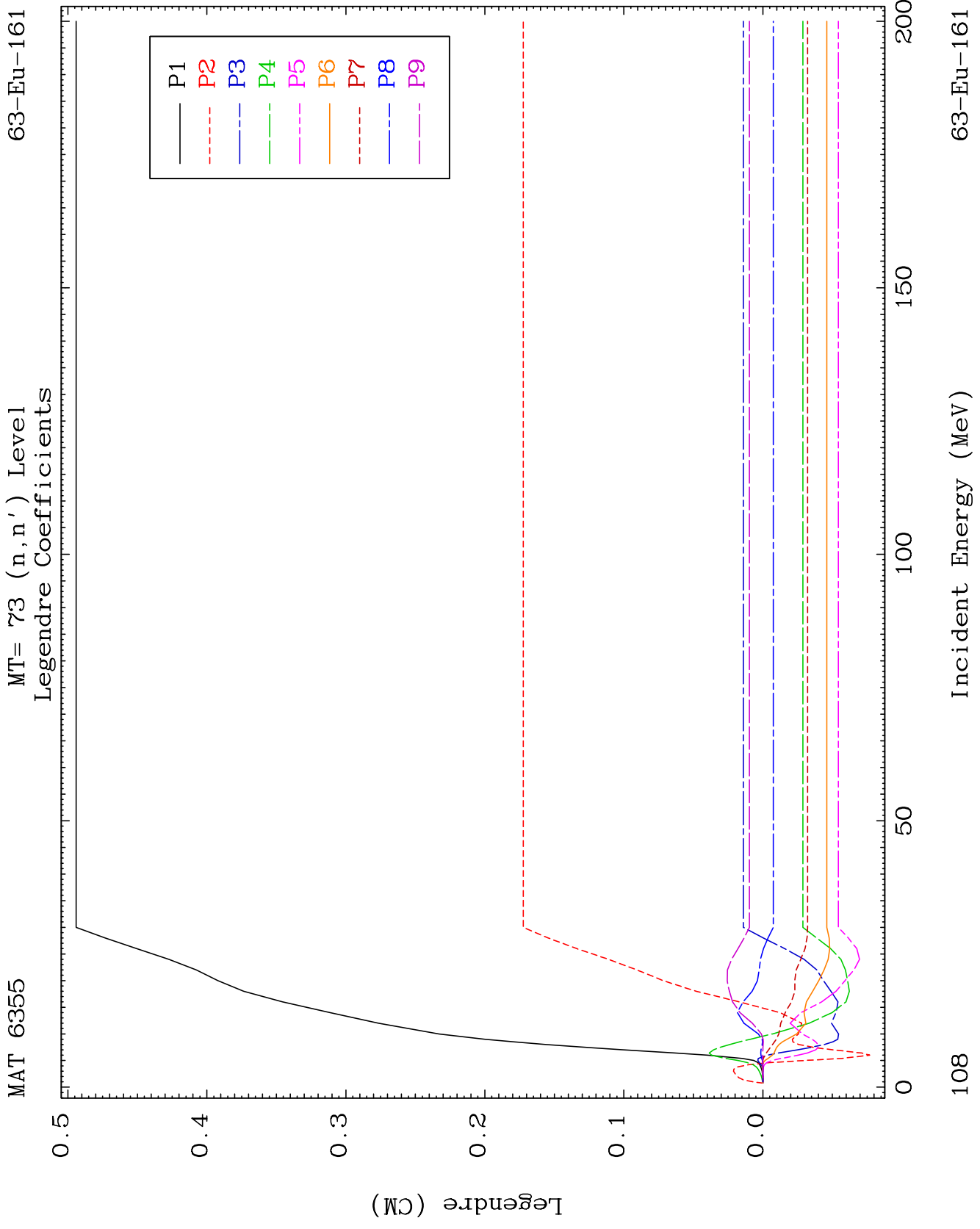


106

Incident Energy (MeV)

63-Eu-161

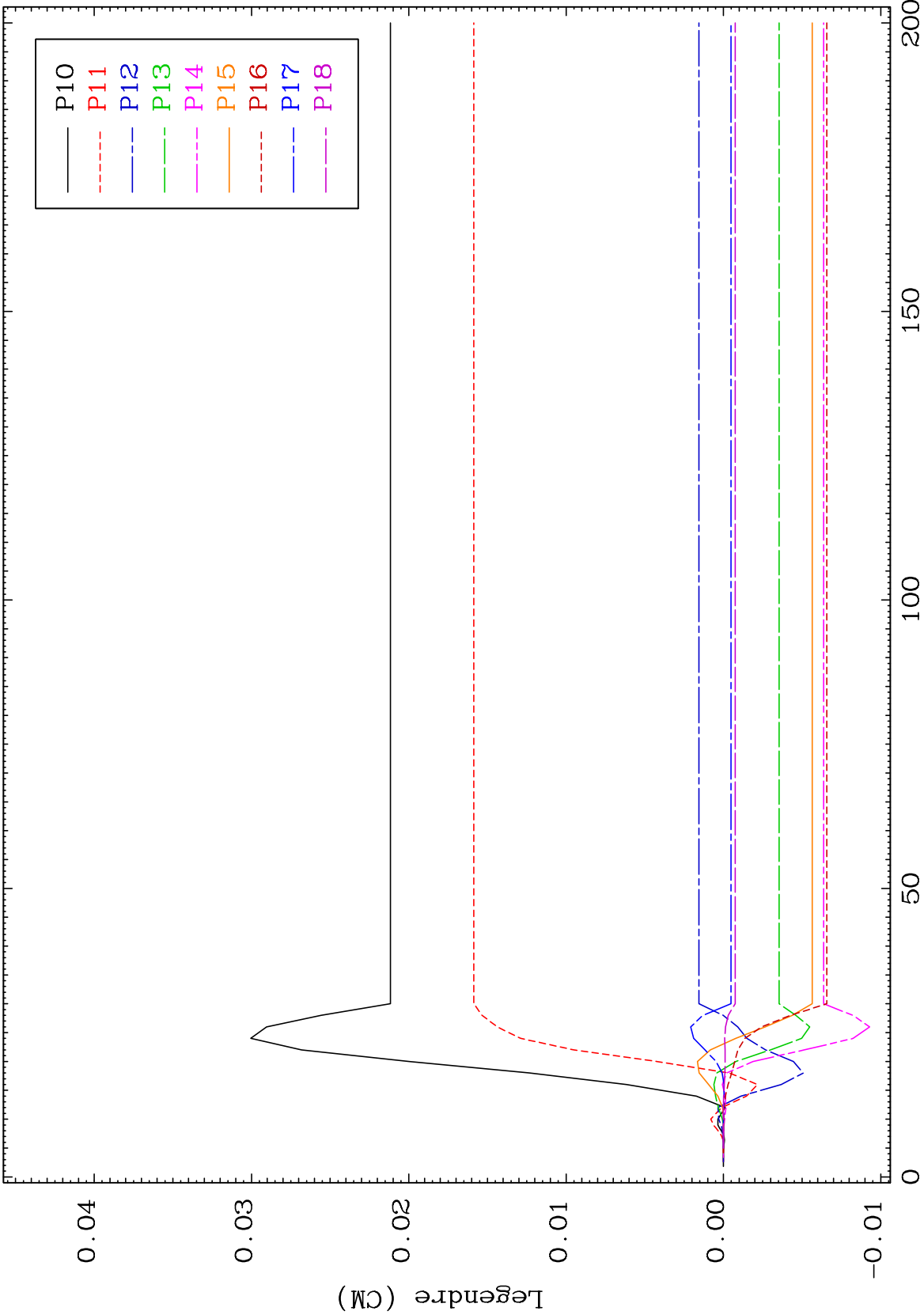




MAT 6355

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

63-Eu-161



109

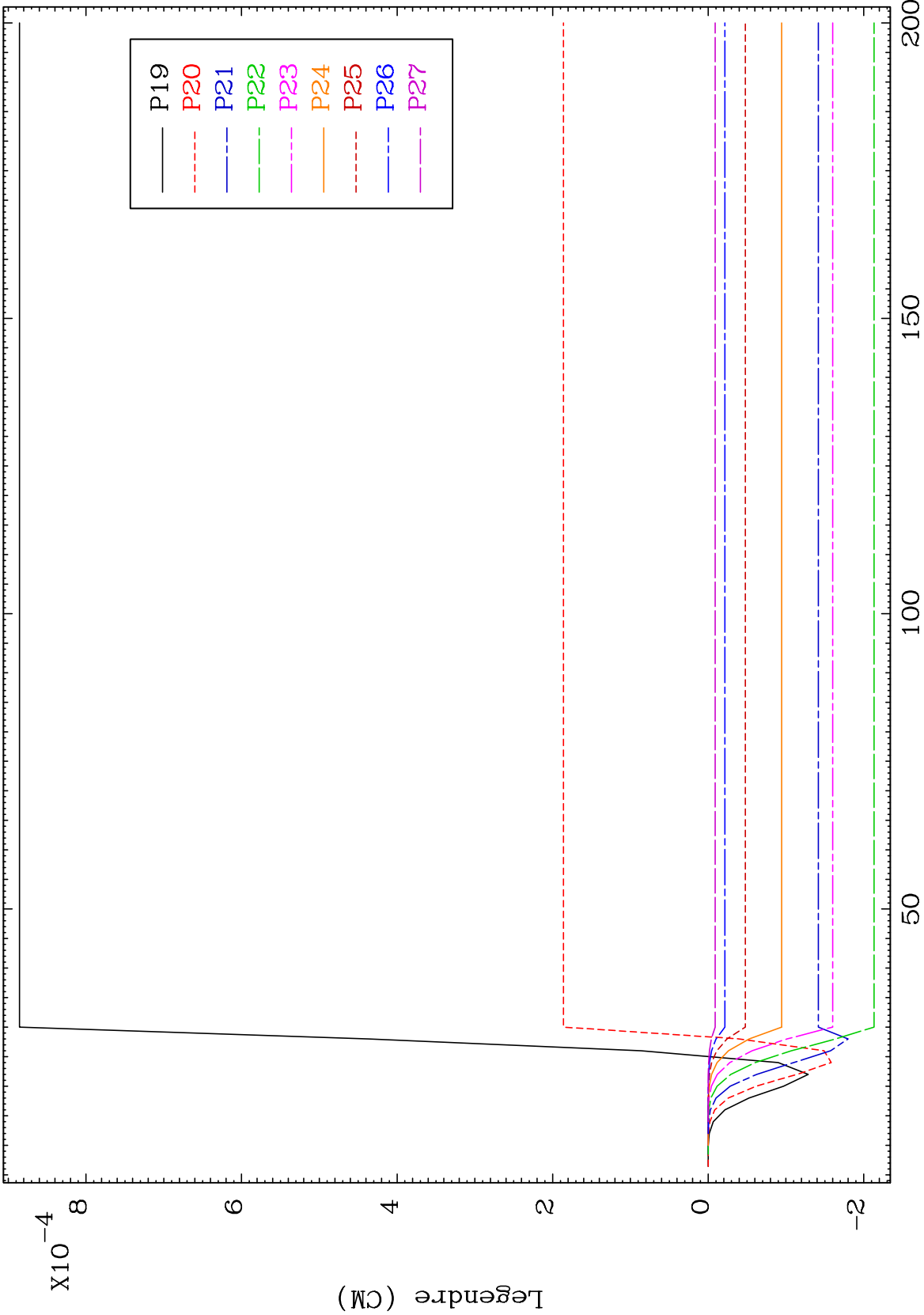
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

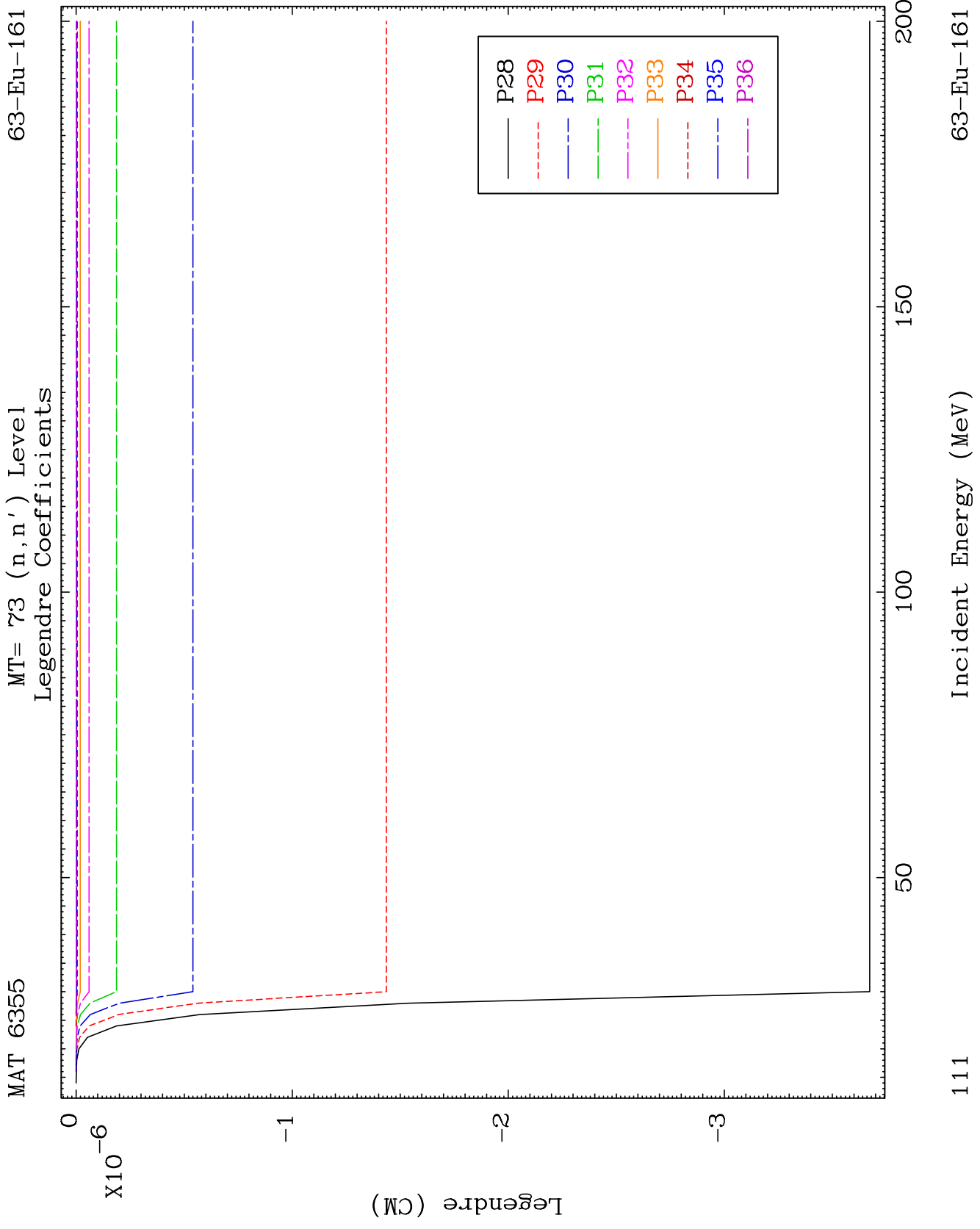
63-Eu-161

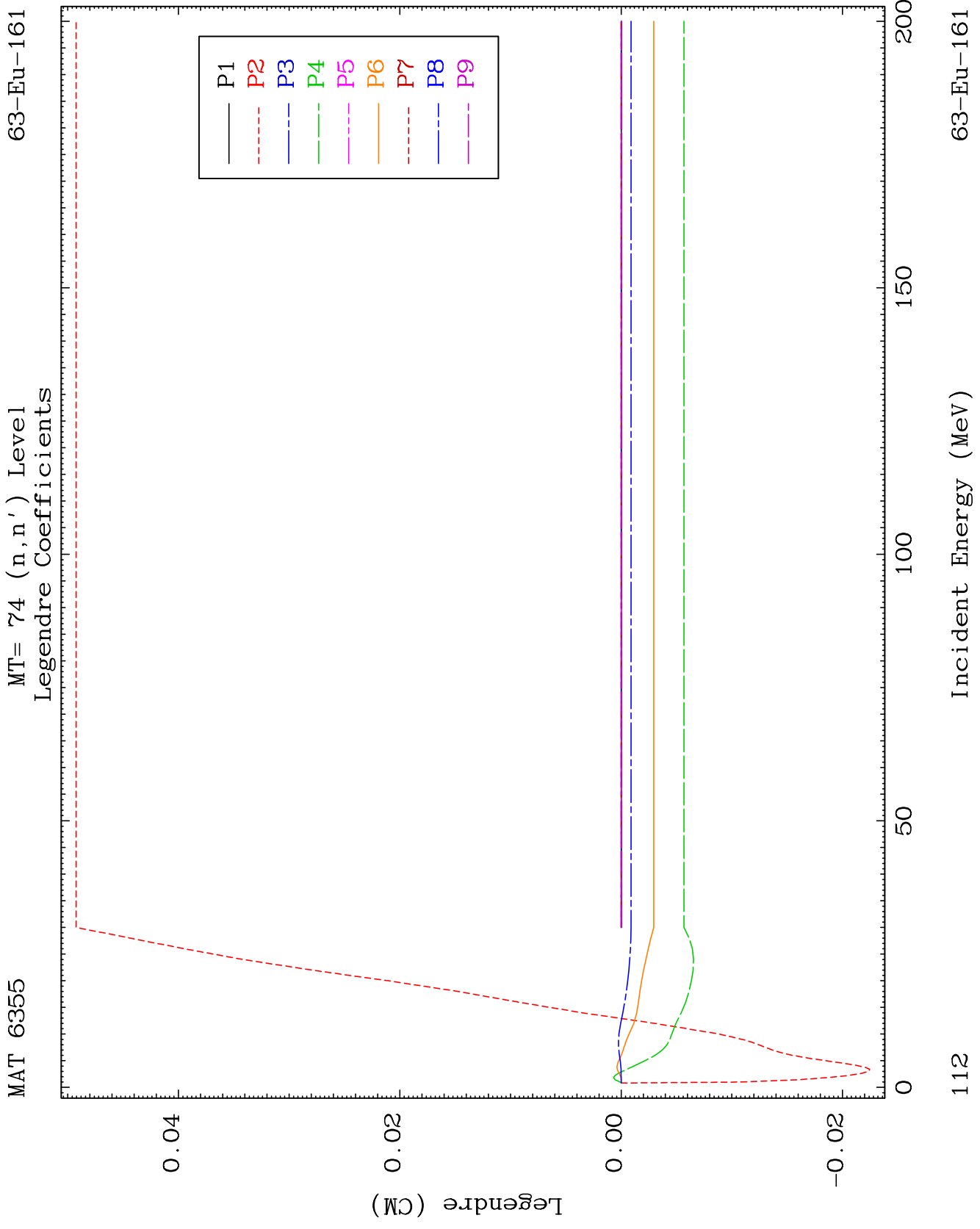


110

Incident Energy (MeV)

63-Eu-161

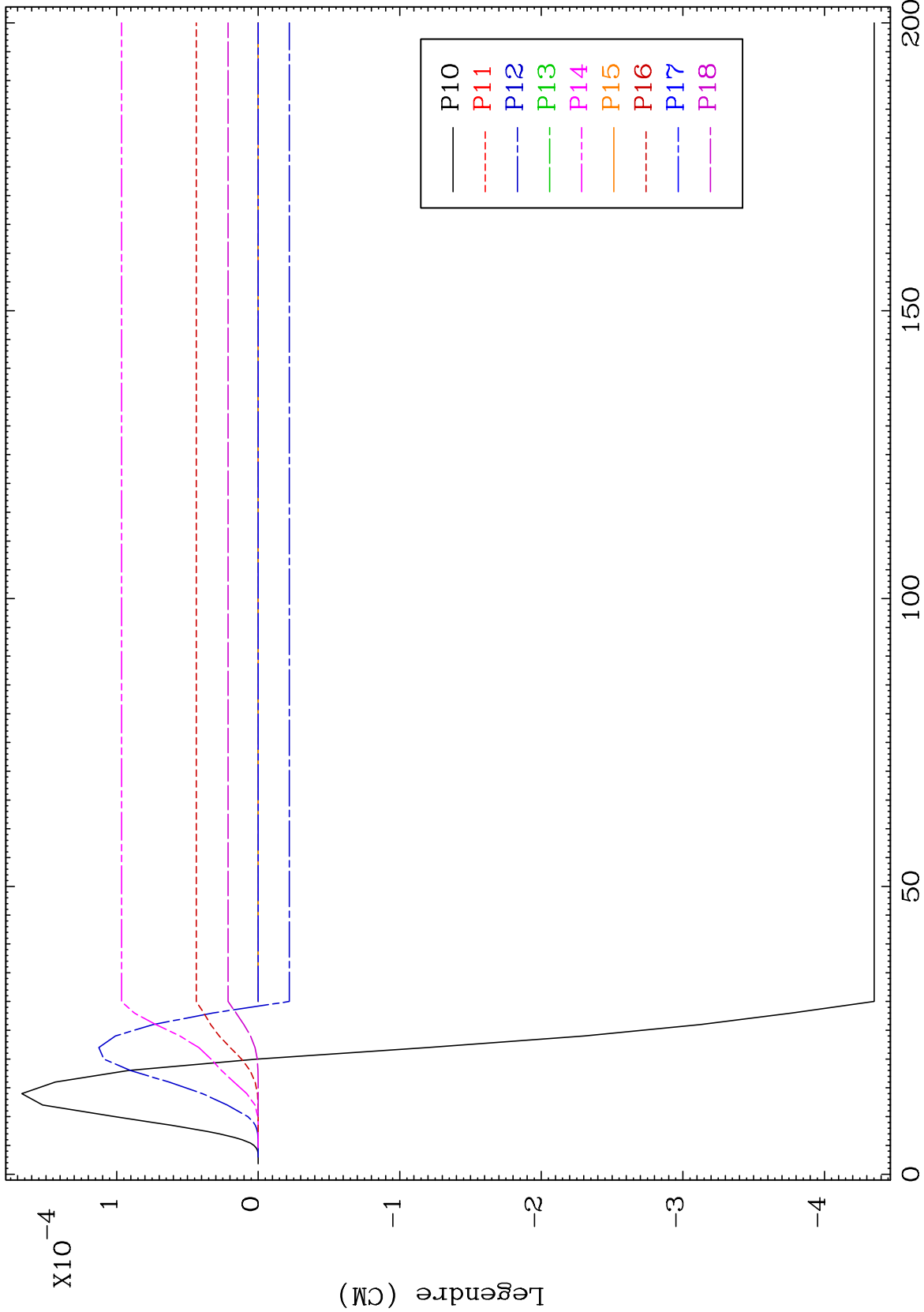




MAT 6355

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

63-Eu-161



113

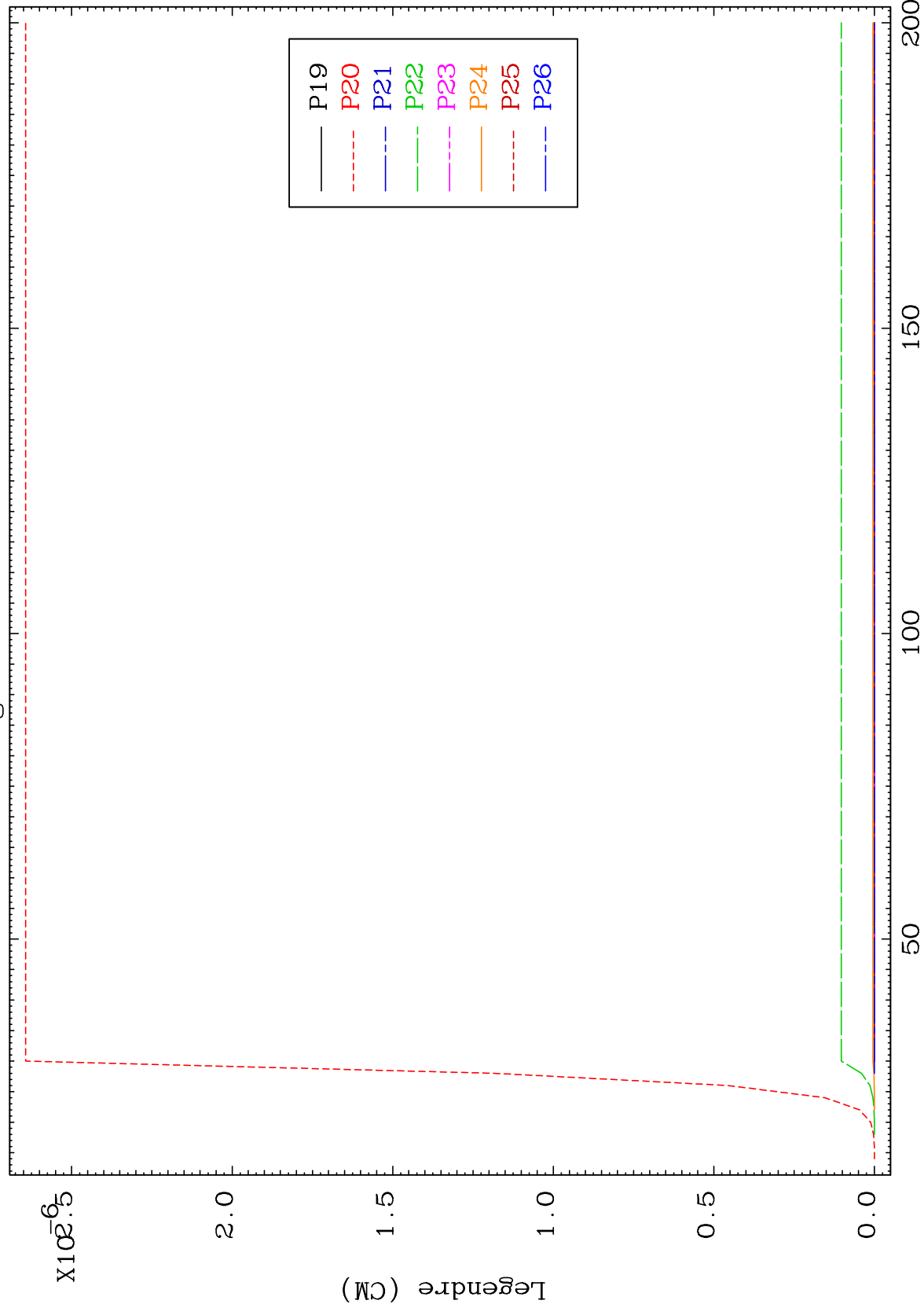
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

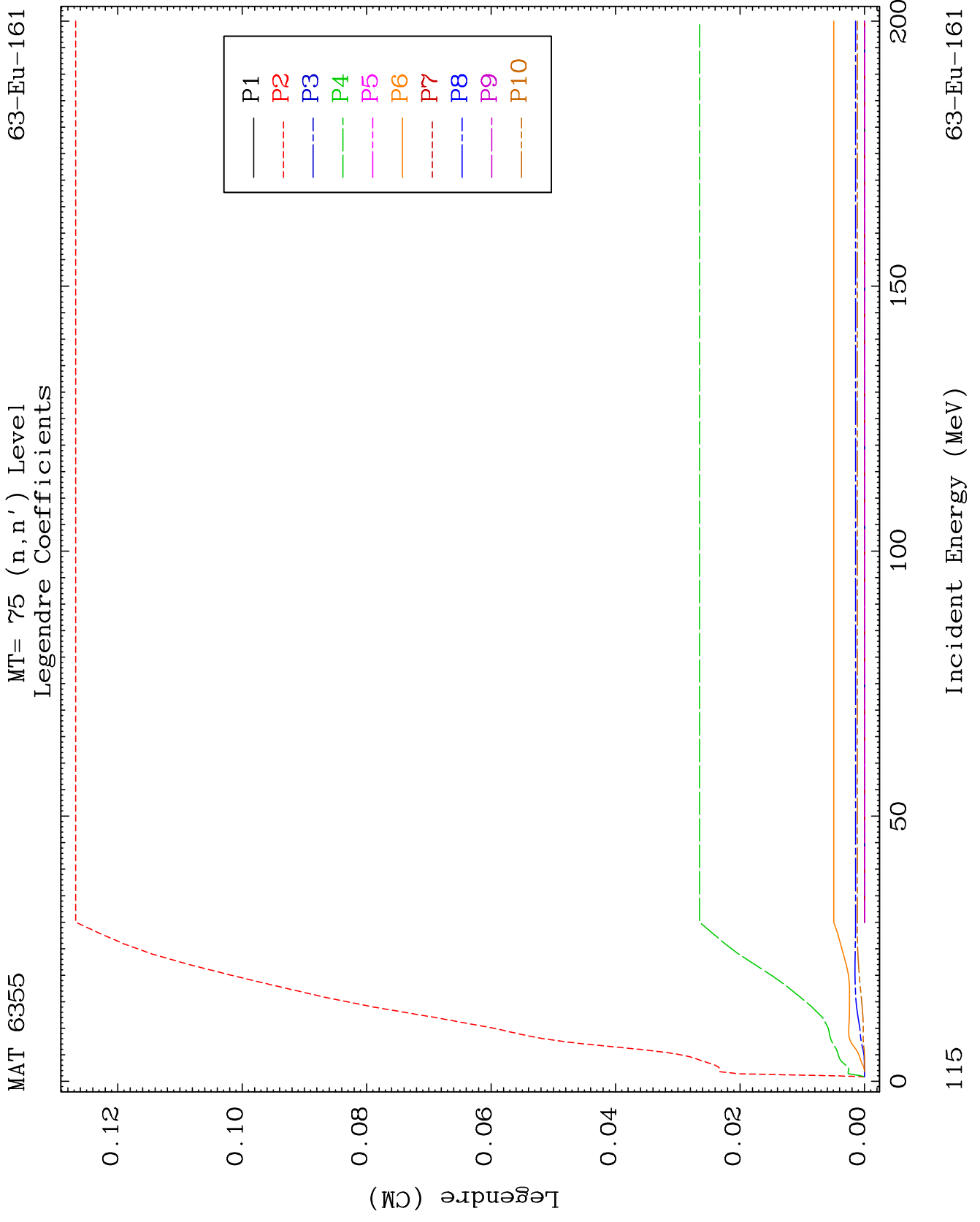
63-Eu-161

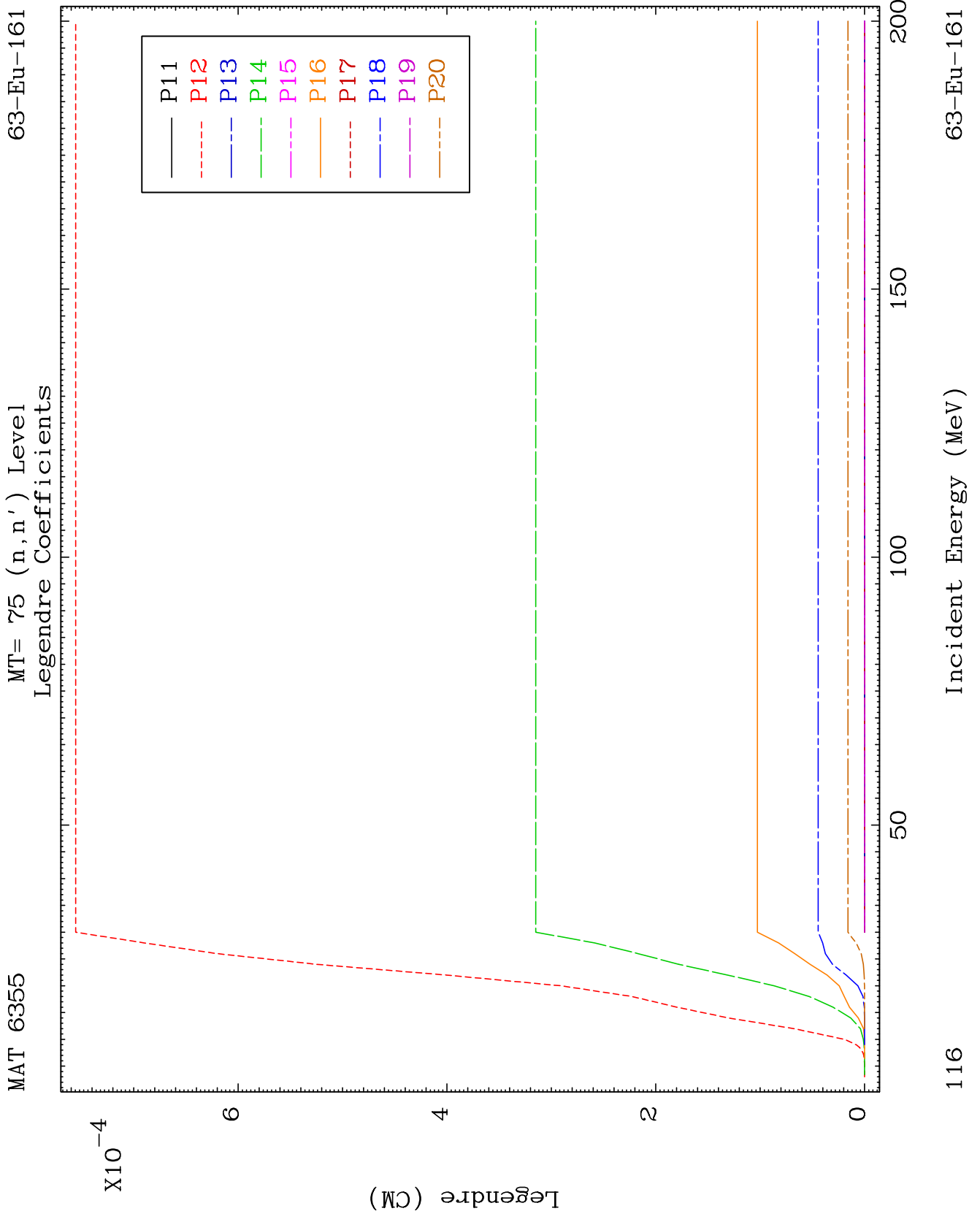


114

Incident Energy (MeV)

63-Eu-161

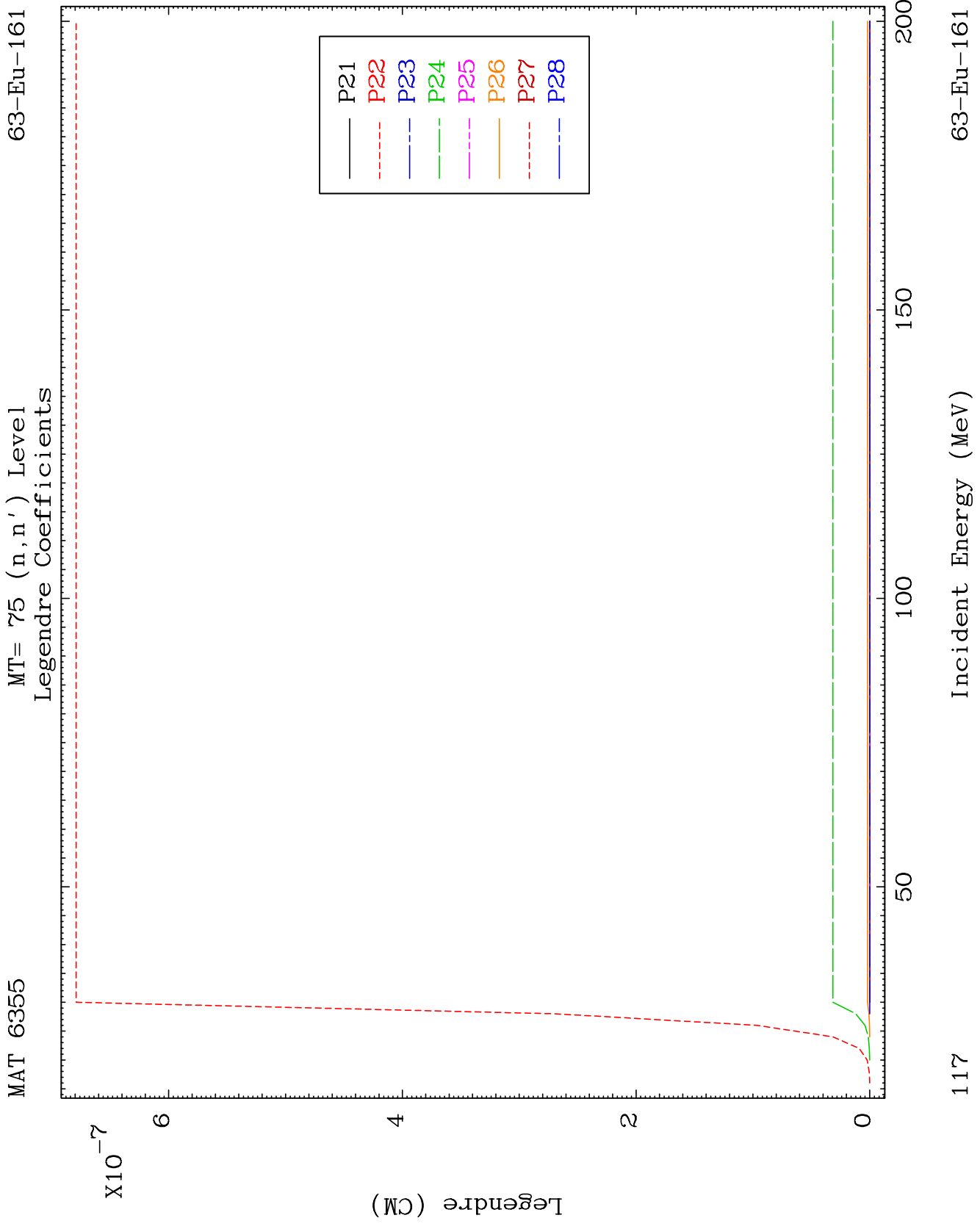




63-Eu-161

Incident Energy (MeV)

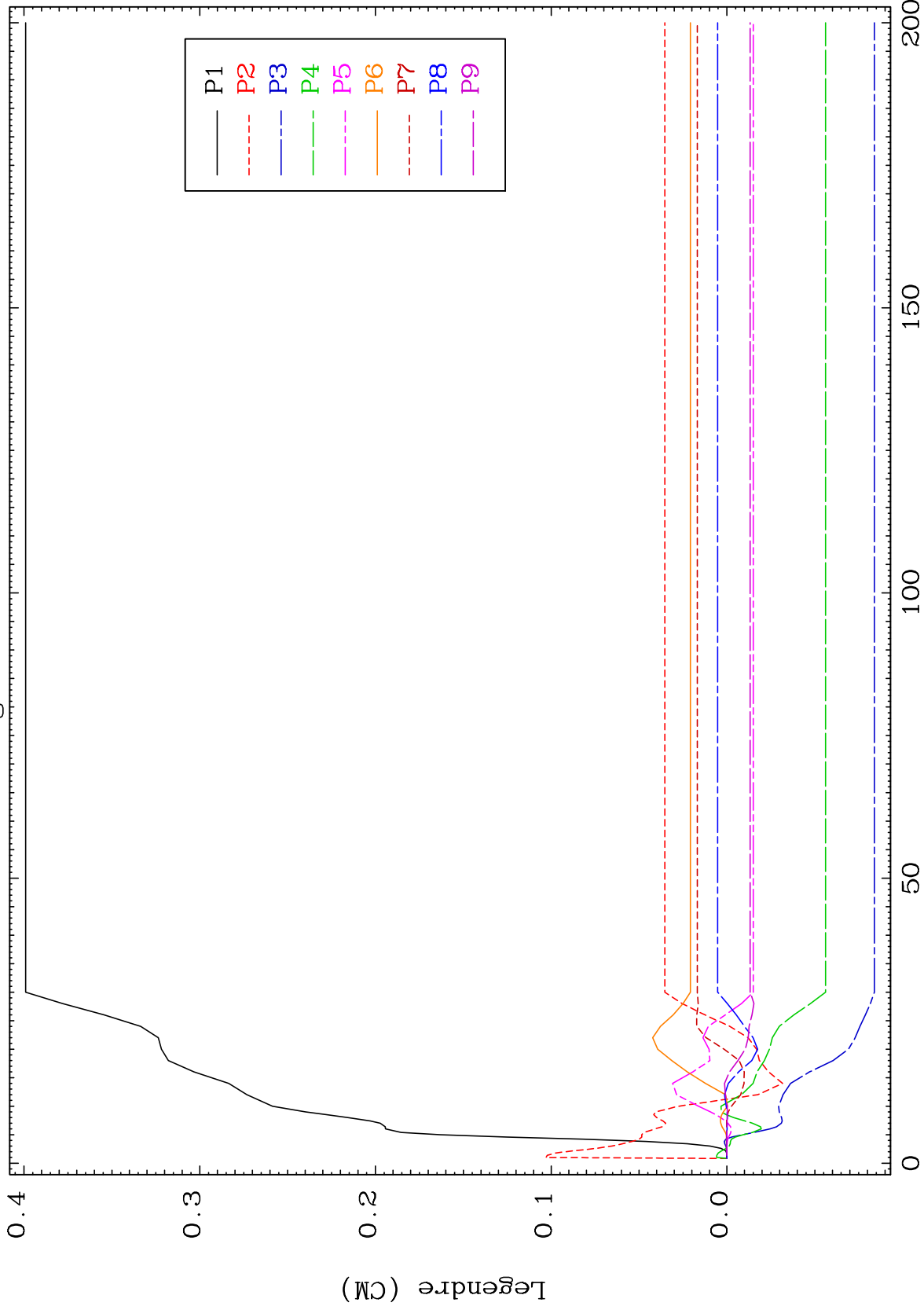
116



MAT 6355

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

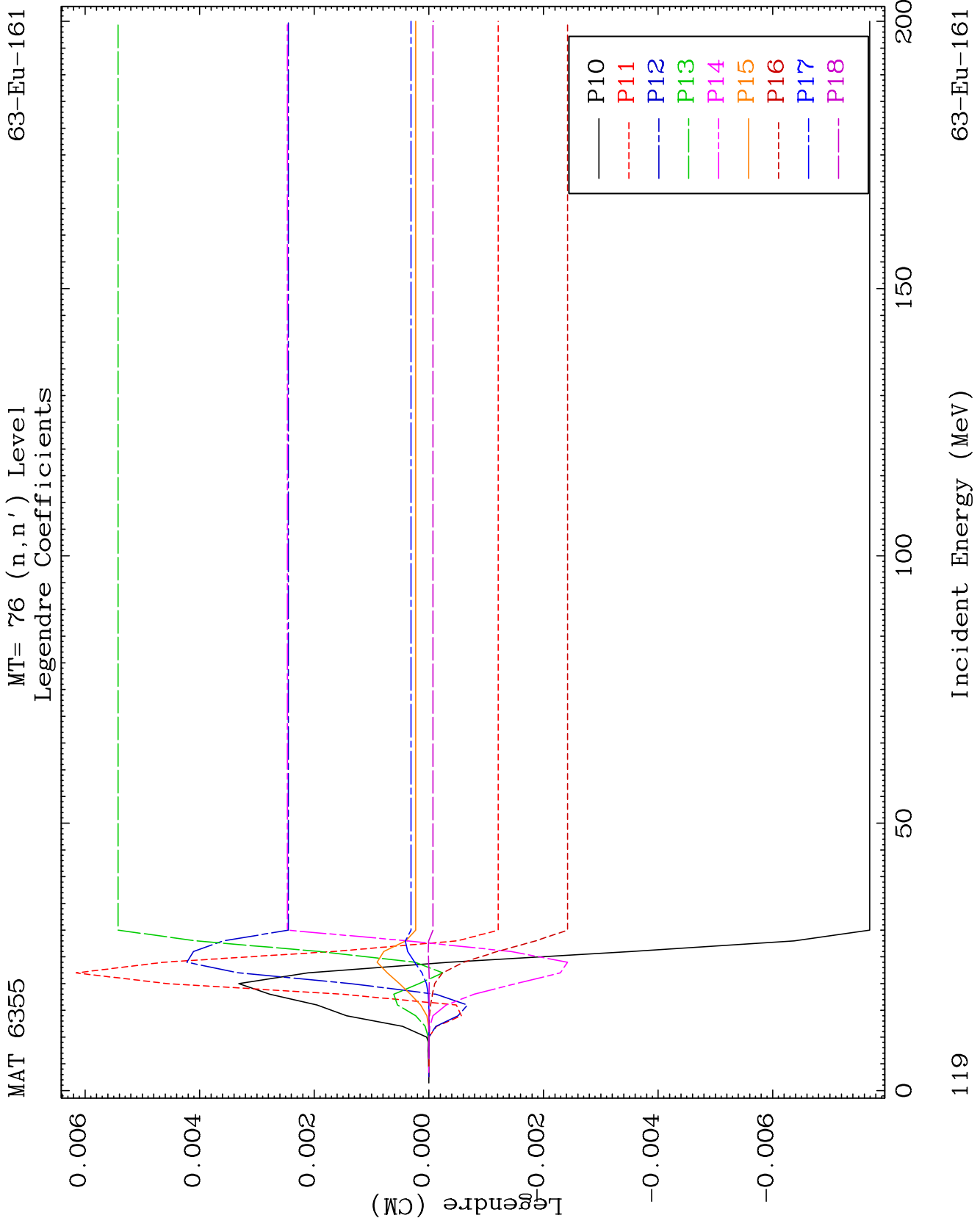
63-Eu-161



118

Incident Energy (MeV)

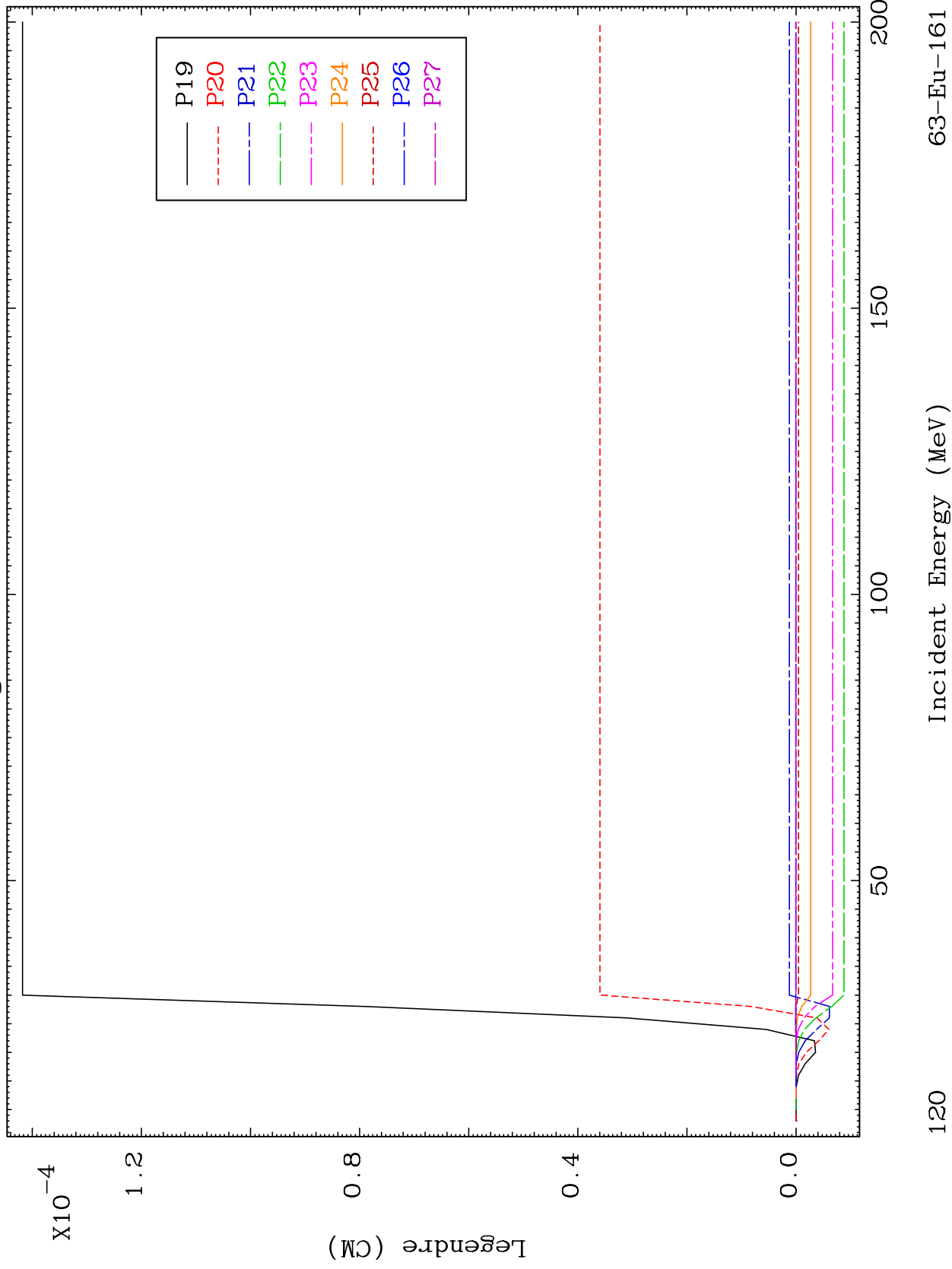
63-Eu-161



MAT 6355

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

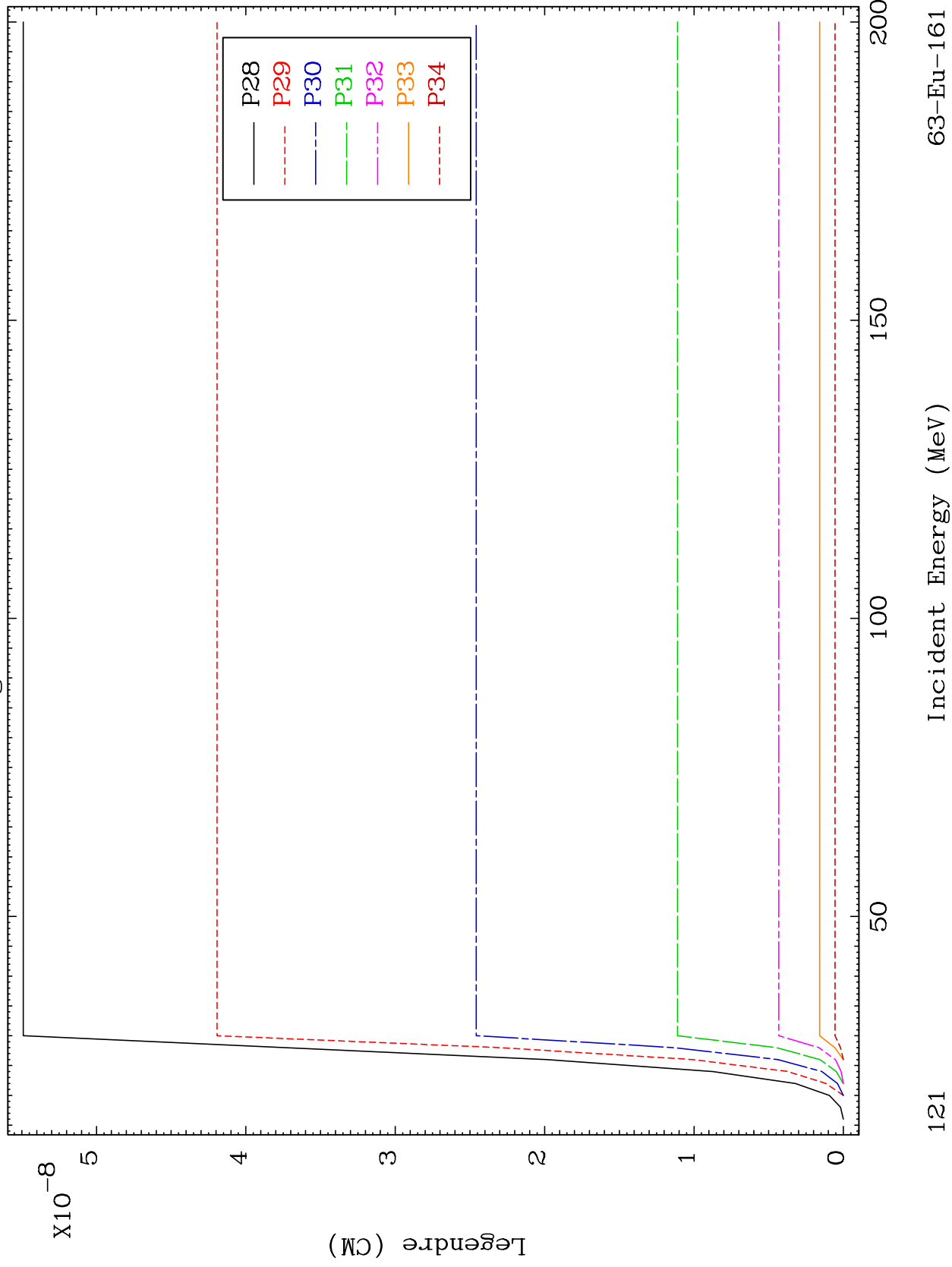
63-Eu-161



MAT 6355

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

63-Eu-161

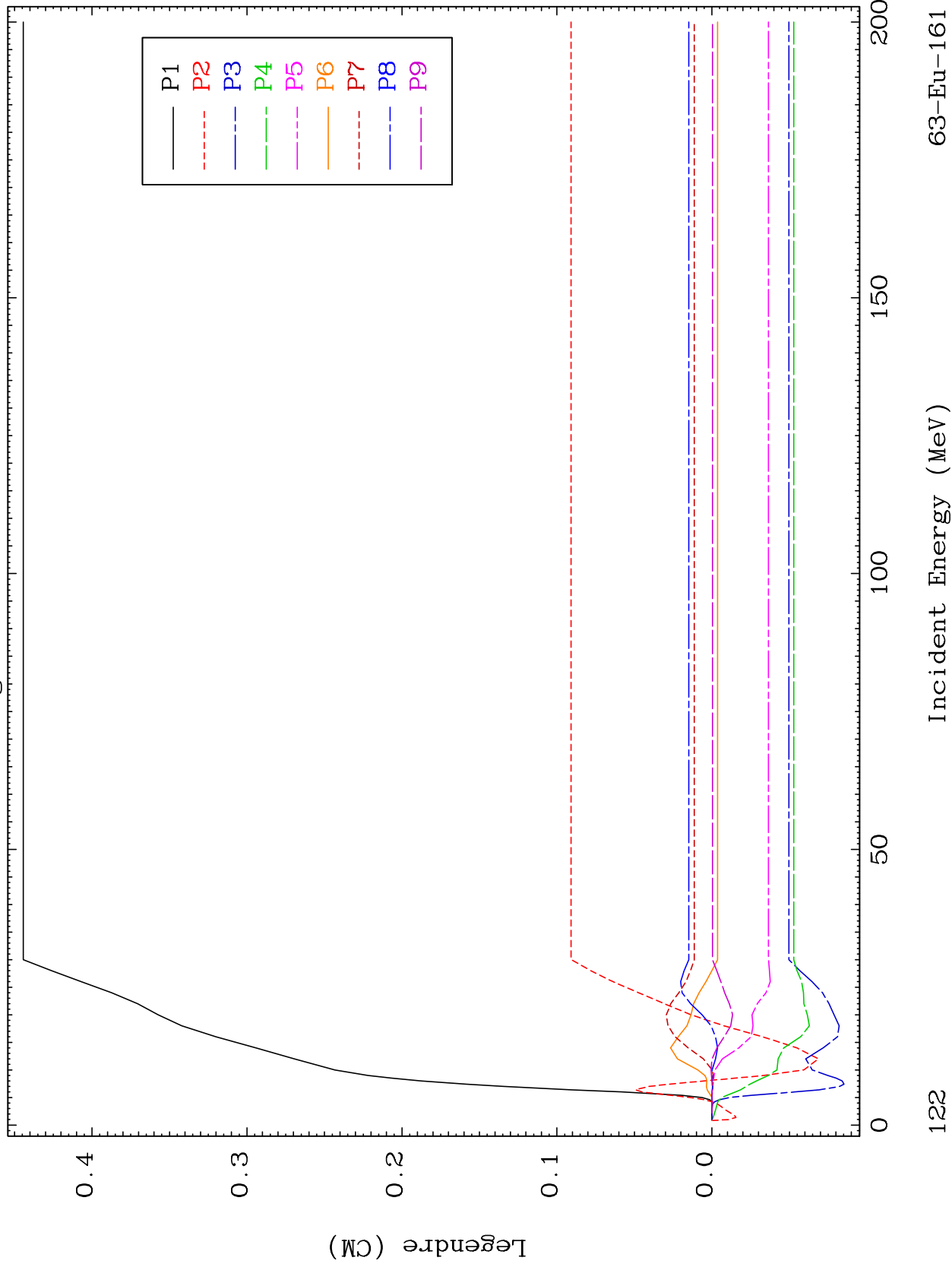


121

MAT 6355

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

63-Eu-161



63-Eu-161

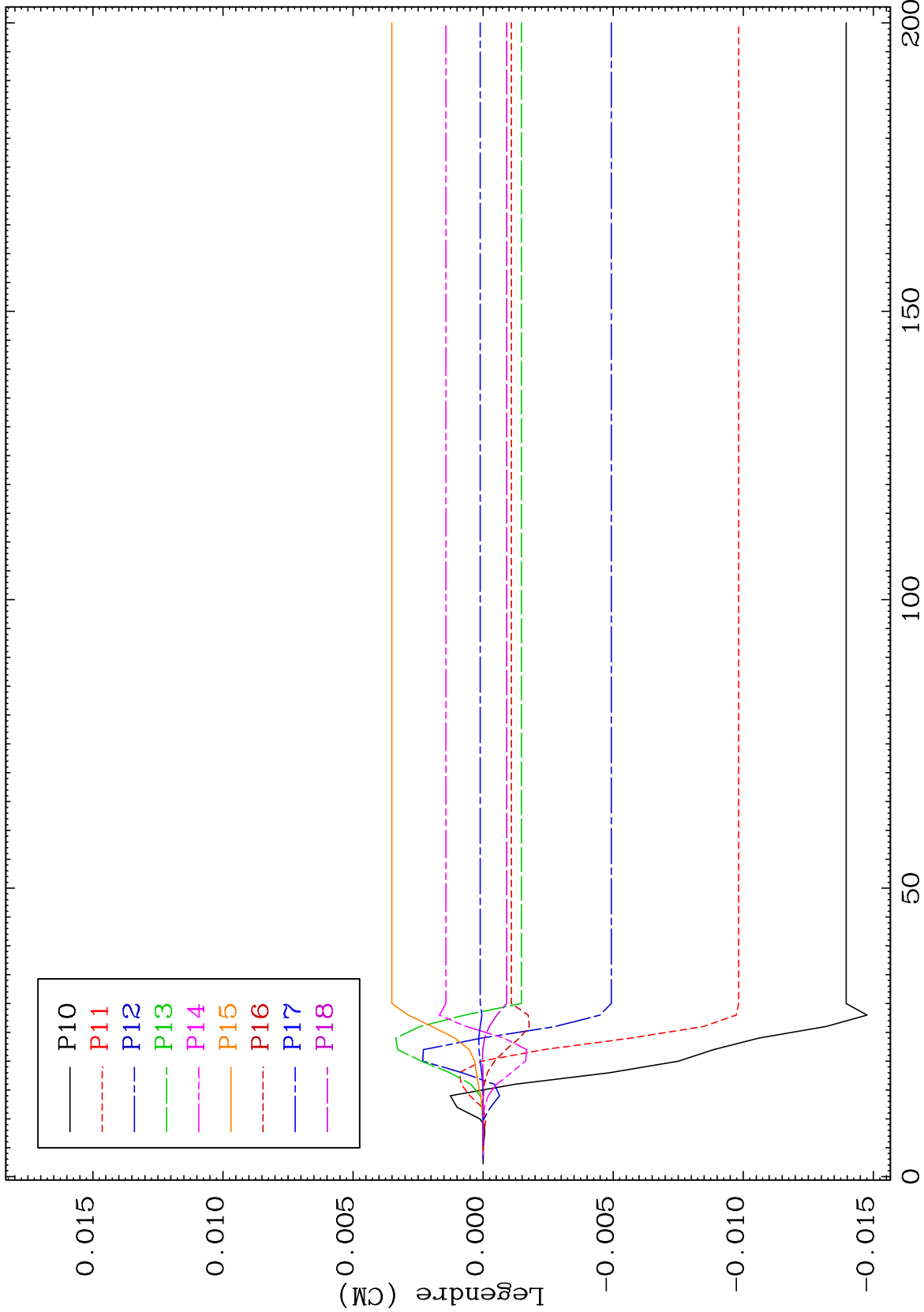
Incident Energy (MeV)

122

MAT 6355

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

63-Eu-161



123

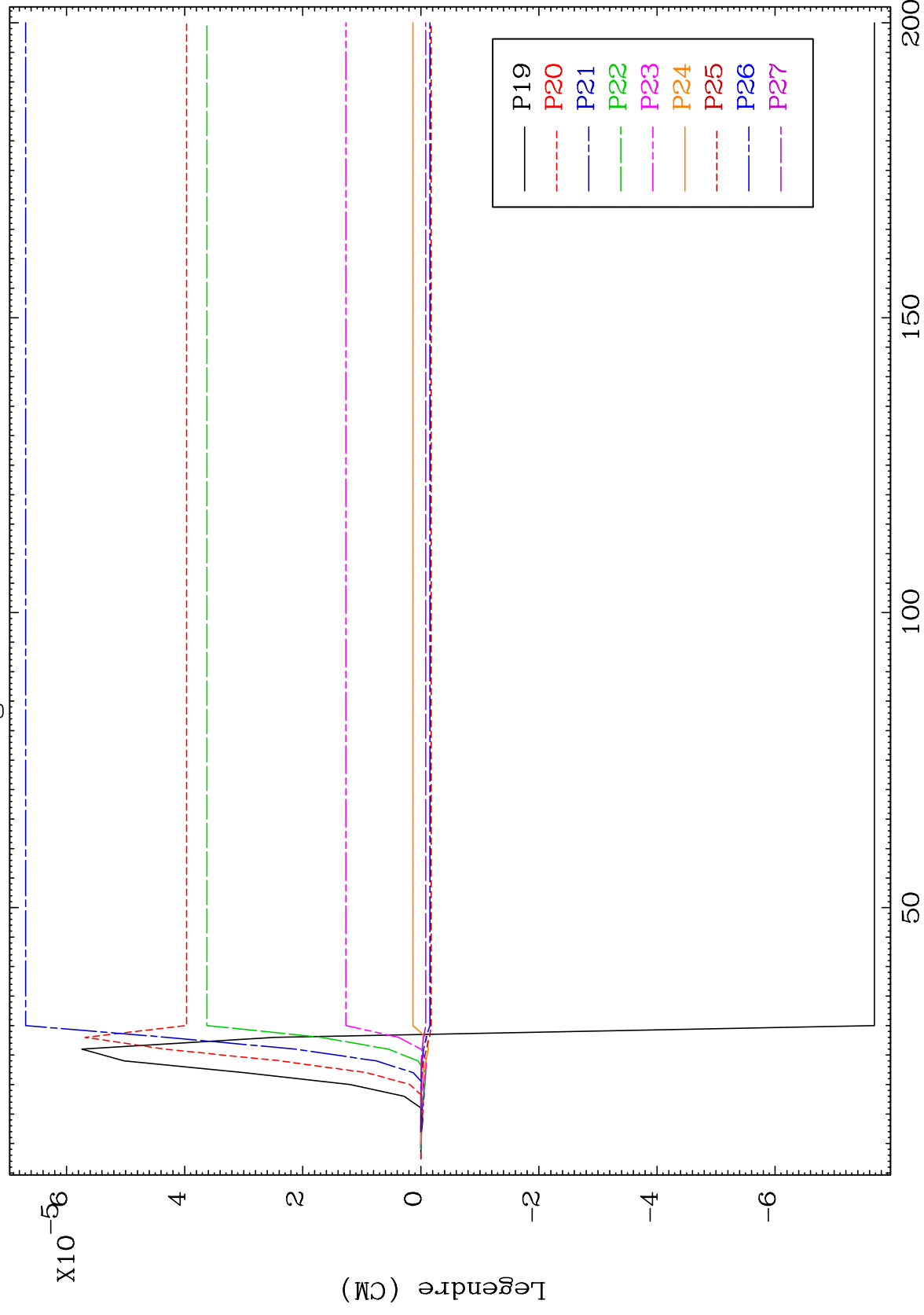
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

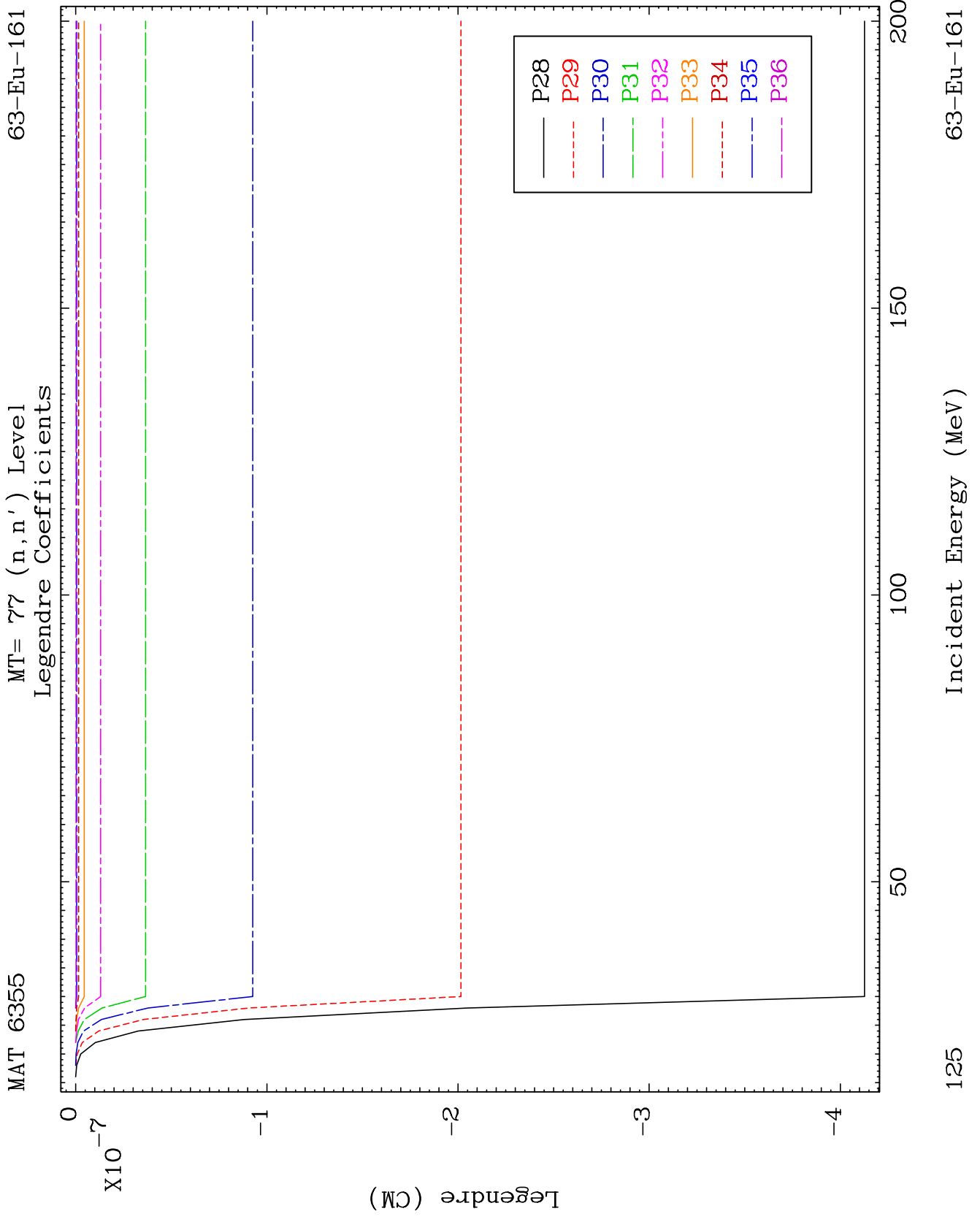
63-Eu-161

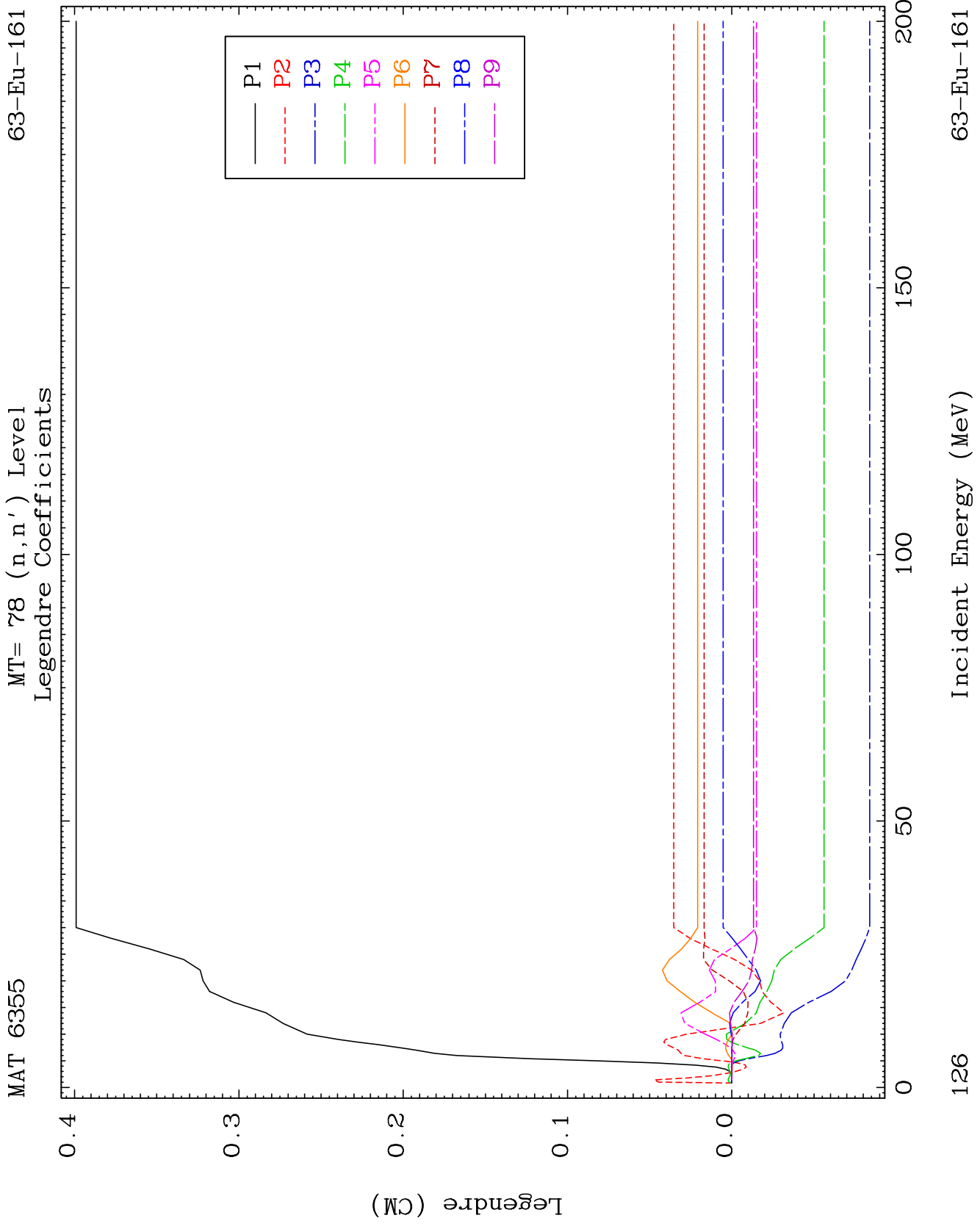


124

Incident Energy (MeV)

63-Eu-161

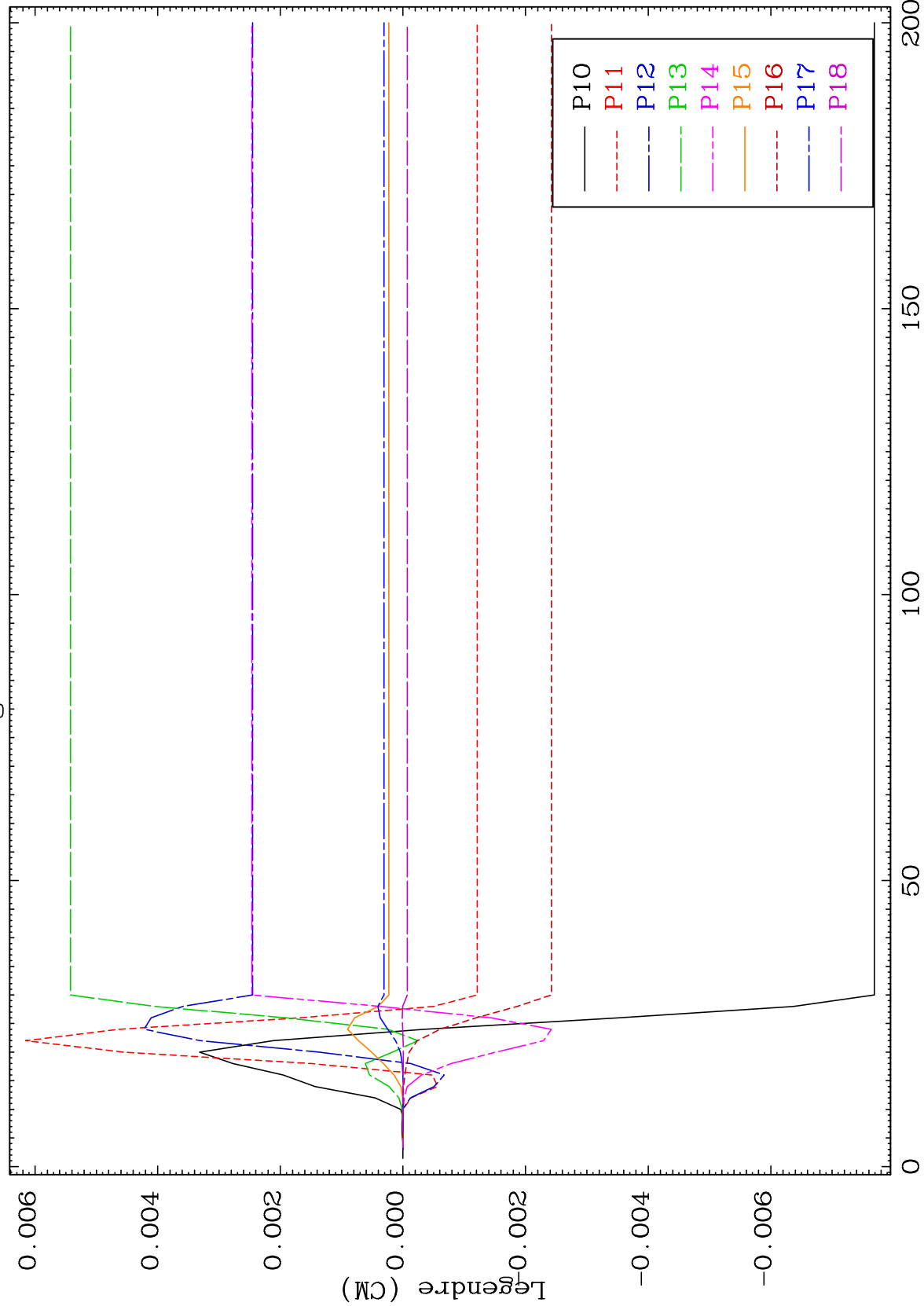




MAT 6355

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

63-Eu-161



127

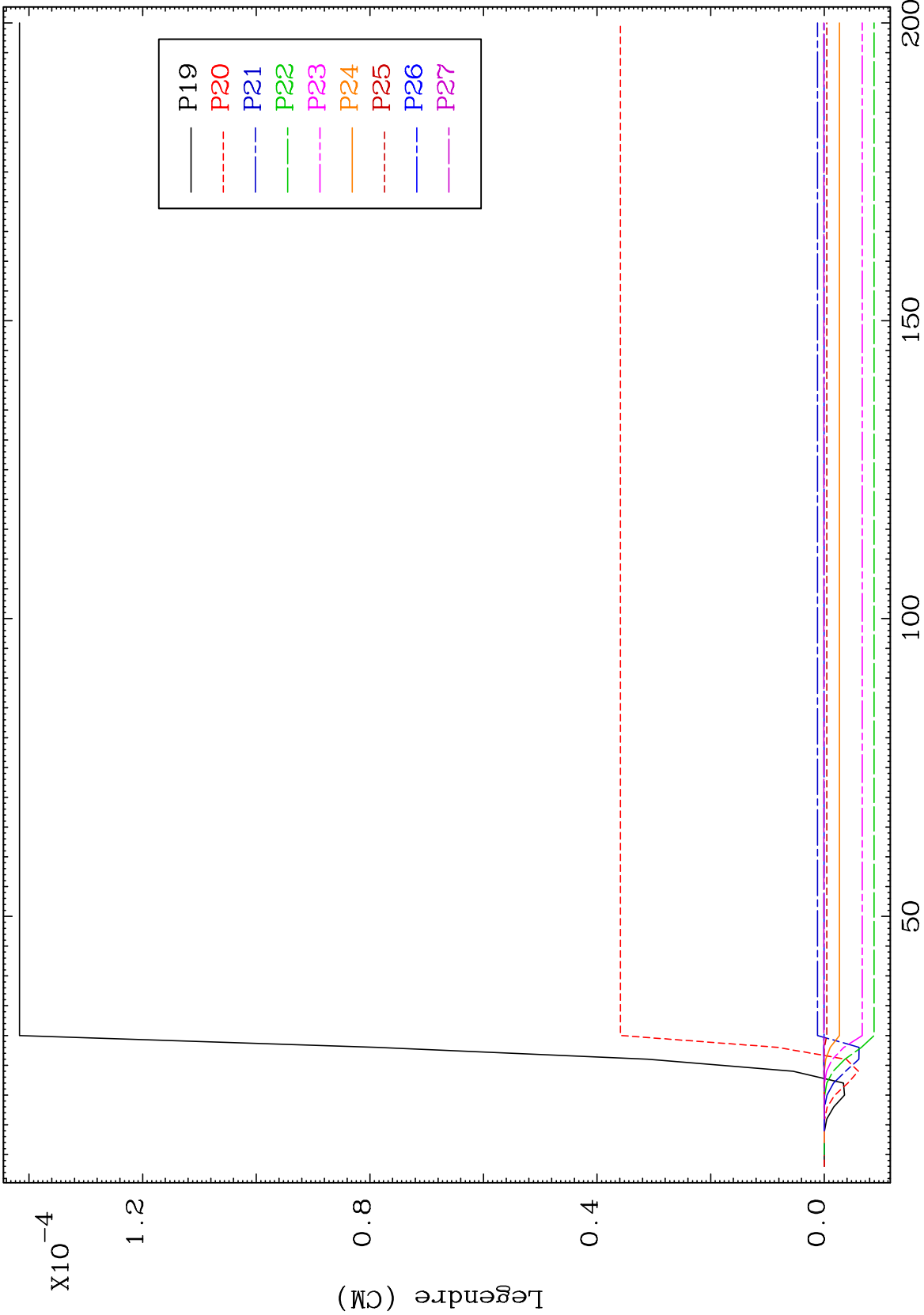
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



128

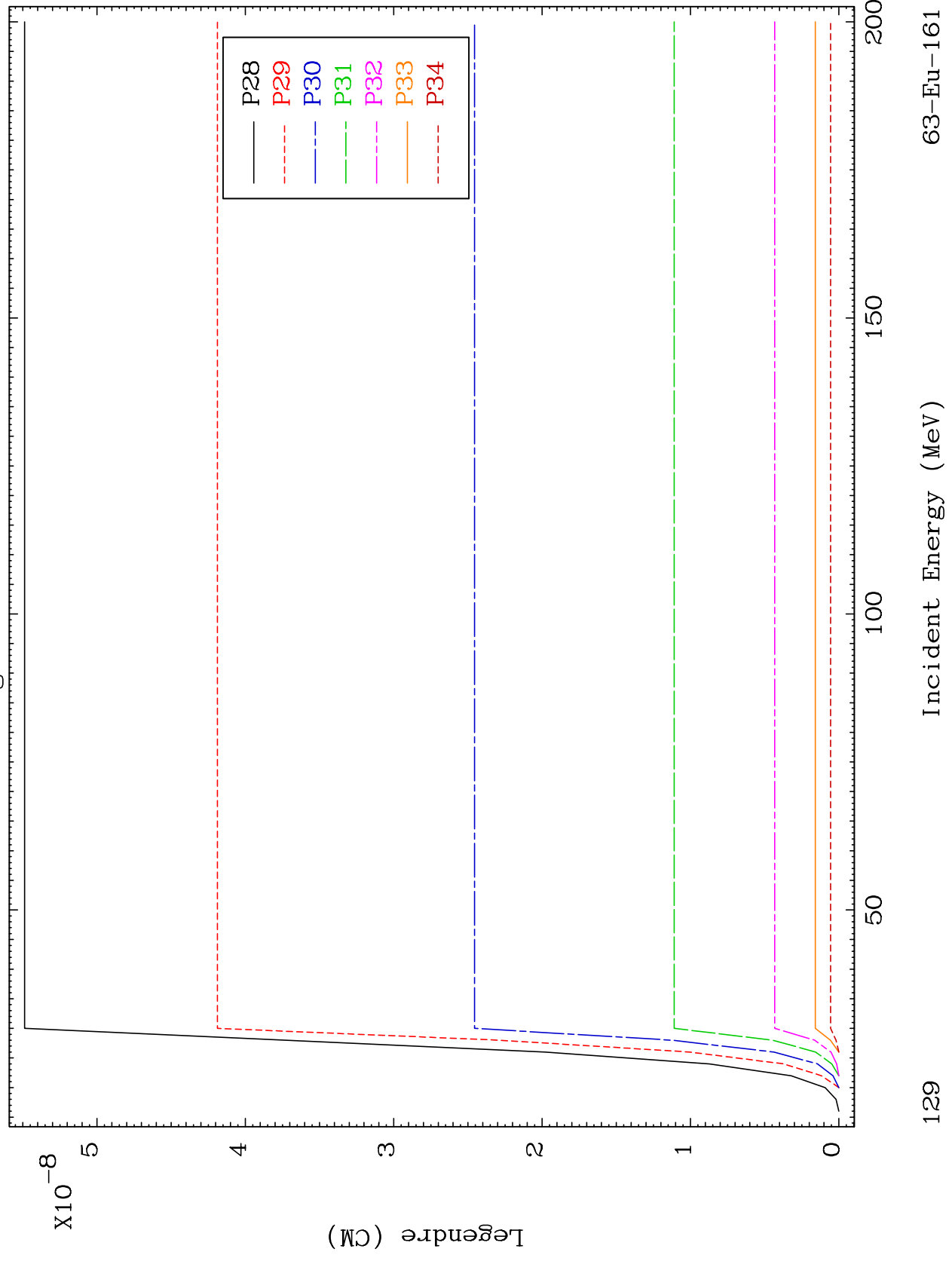
Incident Energy (MeV)

63-Eu-161

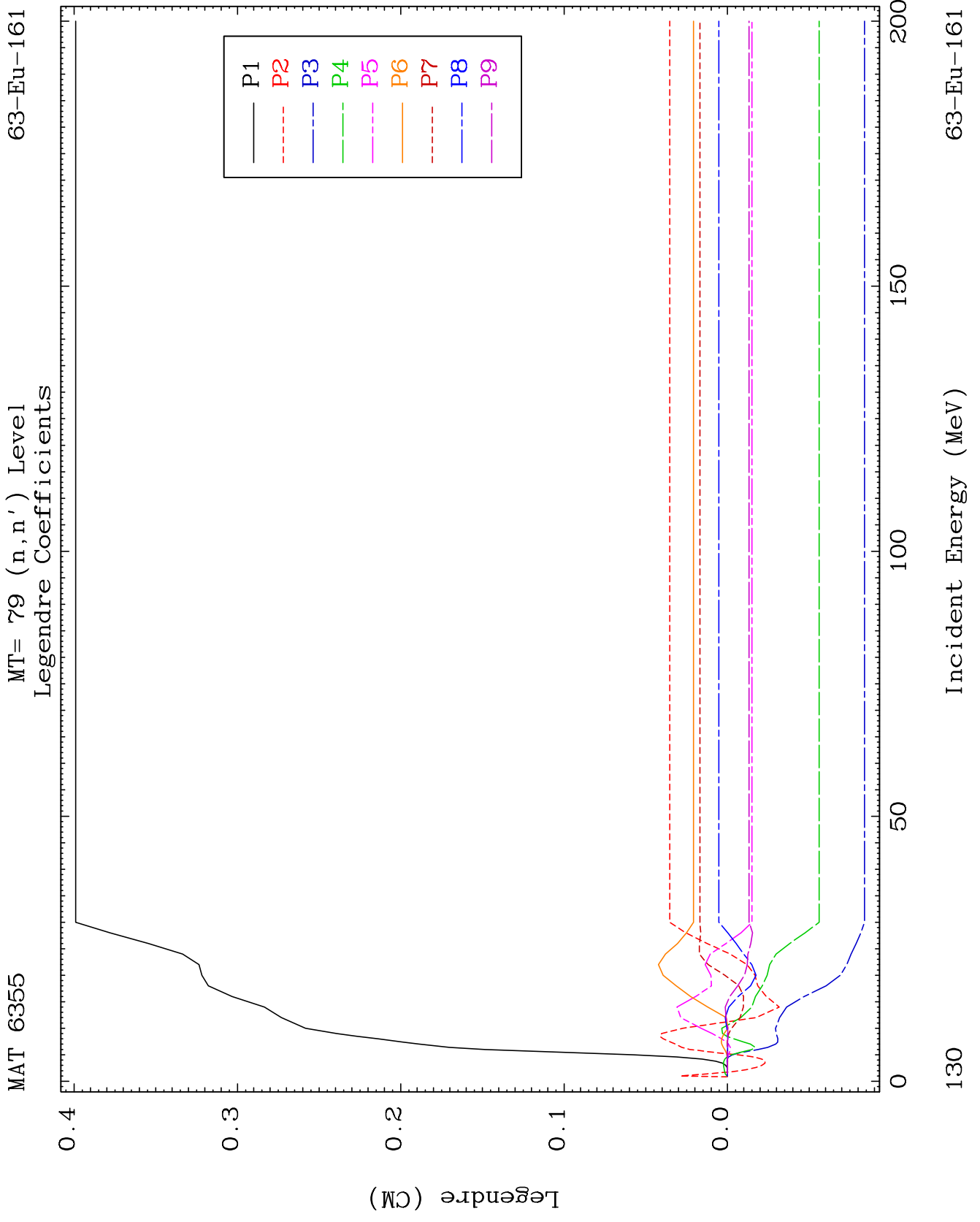
MAT 6355

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

63-Eu-161



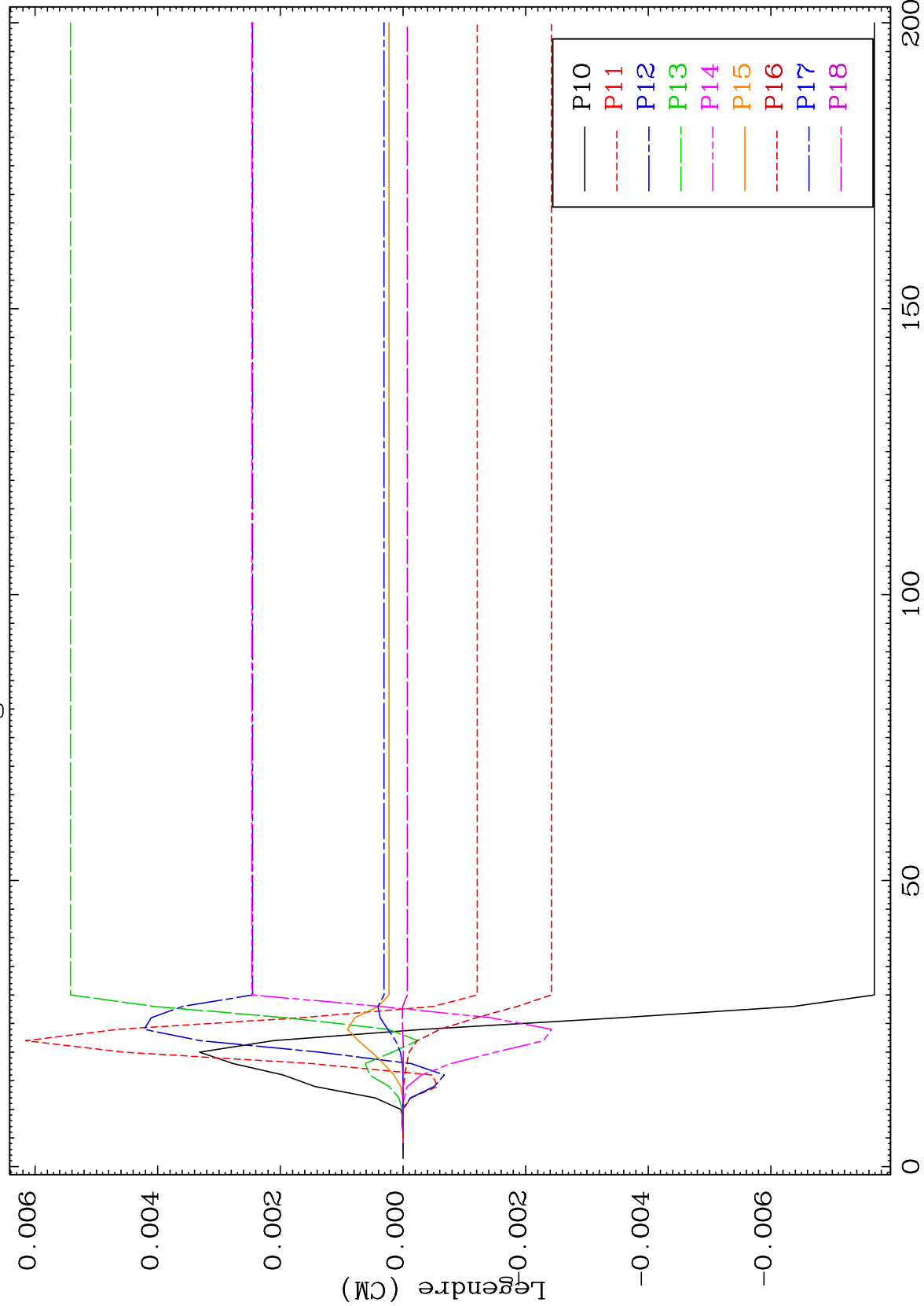
129



MAT 6355

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

63-Eu-161



131

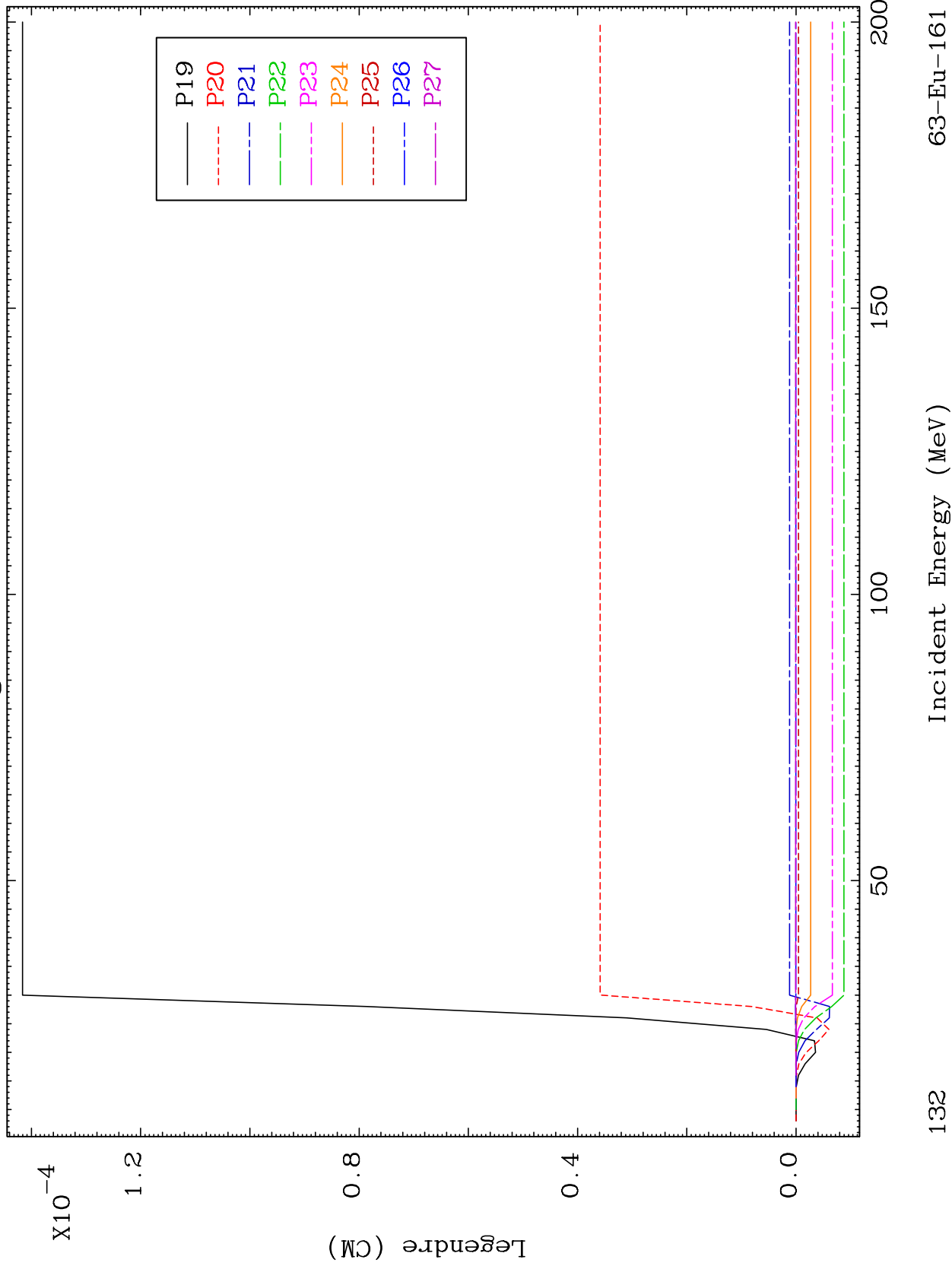
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



132

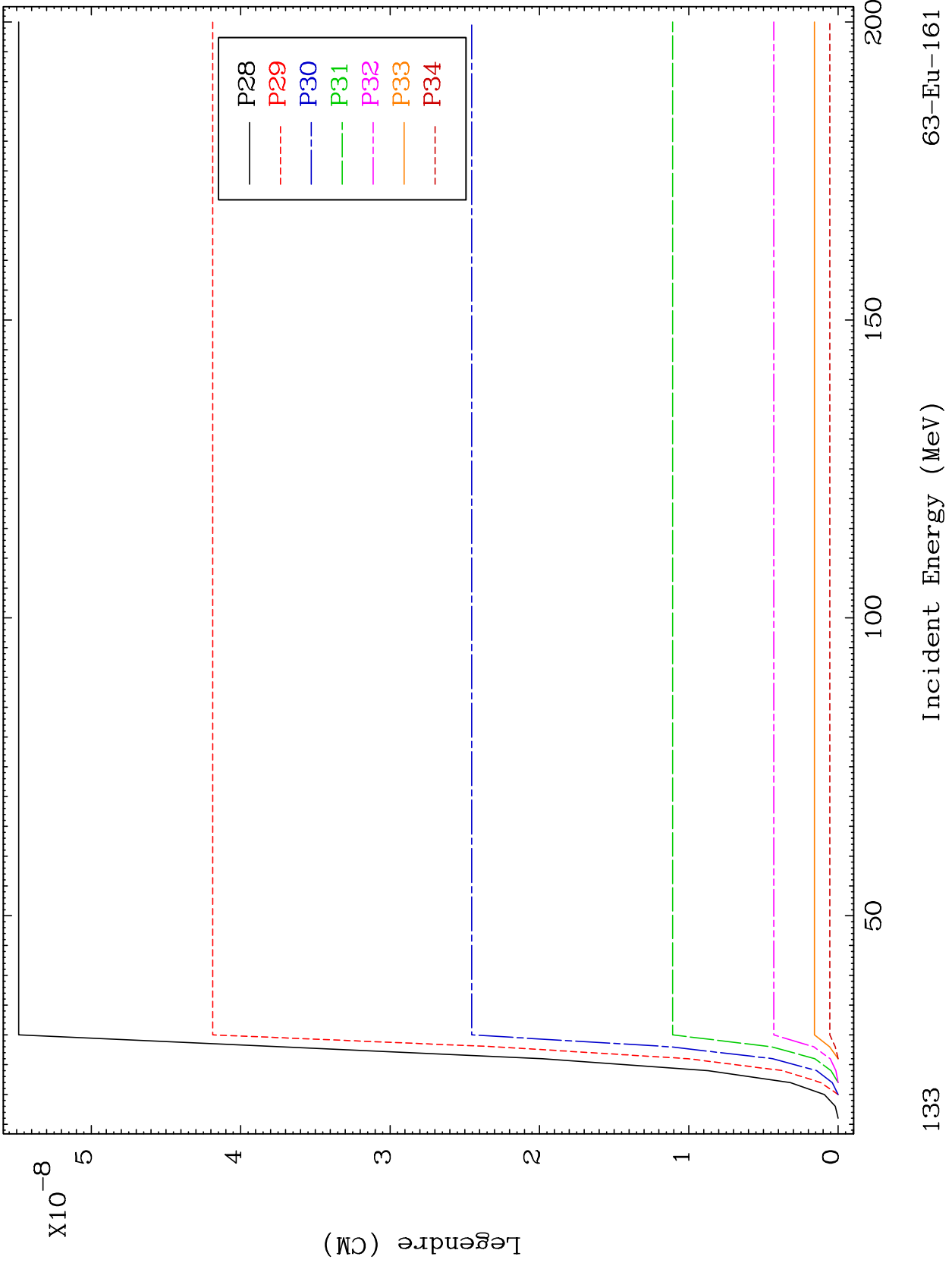
Incident Energy (MeV)

63-Eu-161

MAT 6355

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

63-Eu-161



133

Incident Energy (MeV)

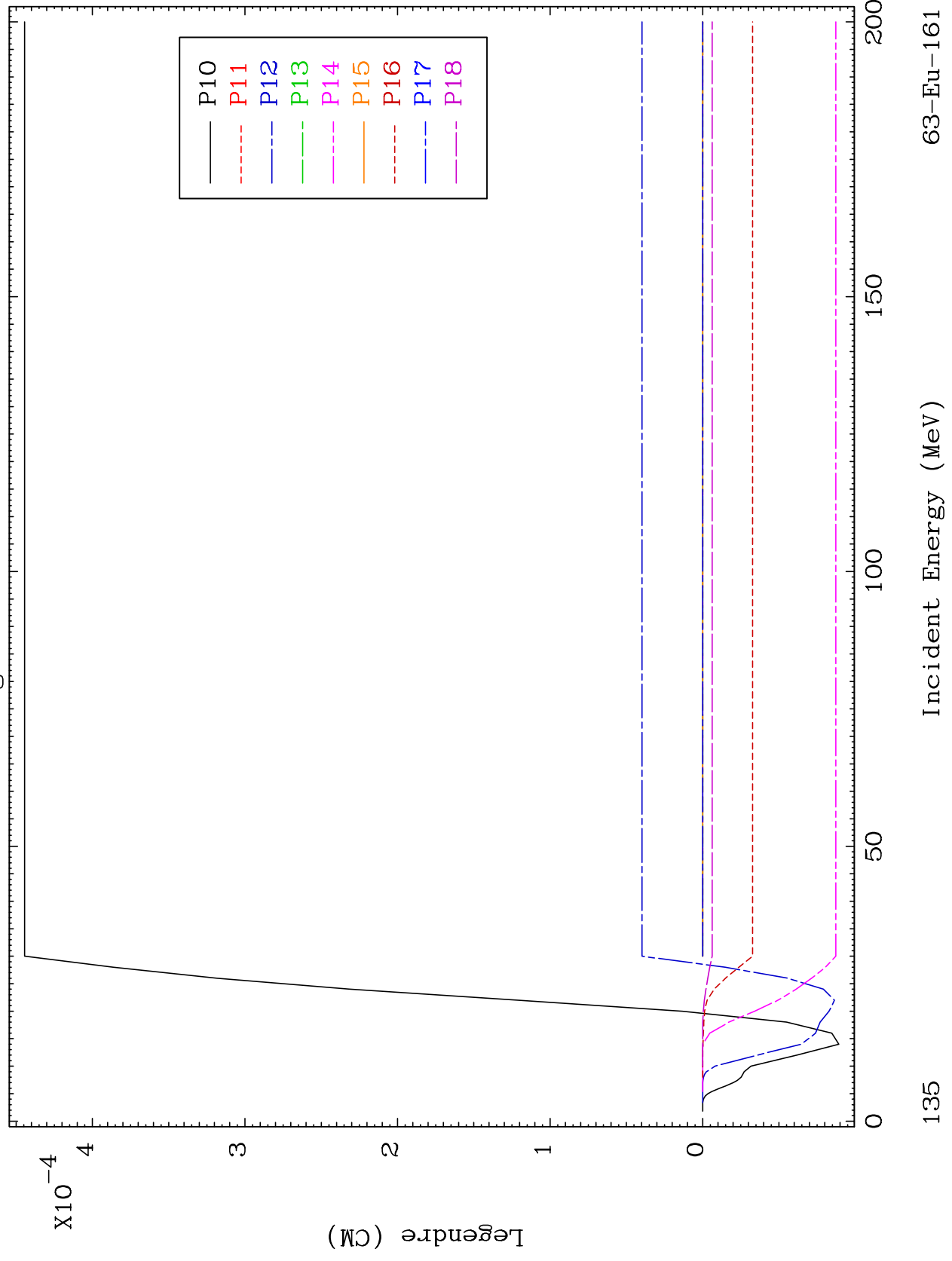
63-Eu-161



MAT 6355

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

63-Eu-161



63-Eu-161

Incident Energy (MeV)

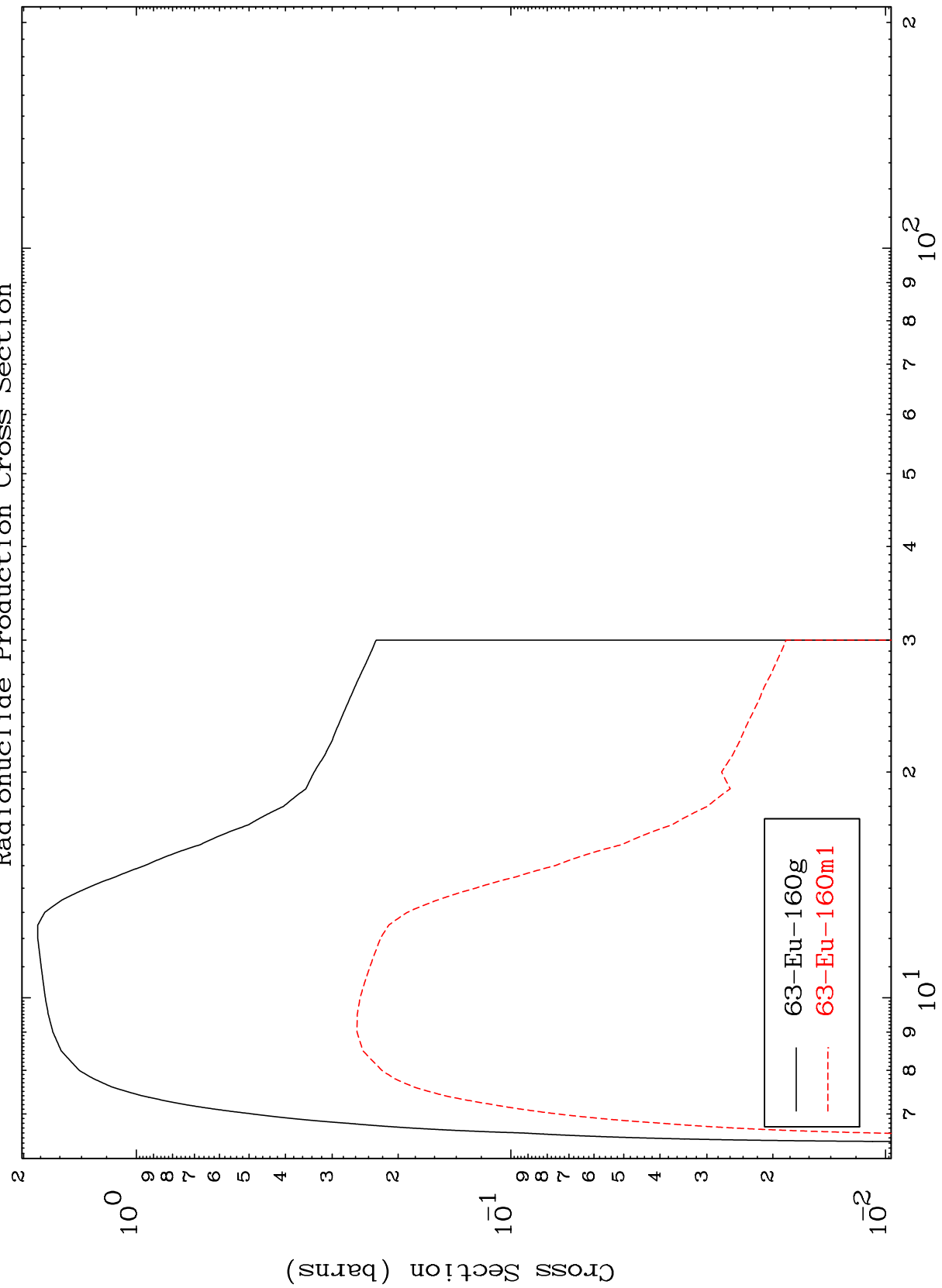
135



MAT 6355

63-Eu-161

(n,2n)  
Radionuclide Production Cross Section



137

Incident Energy (MeV)

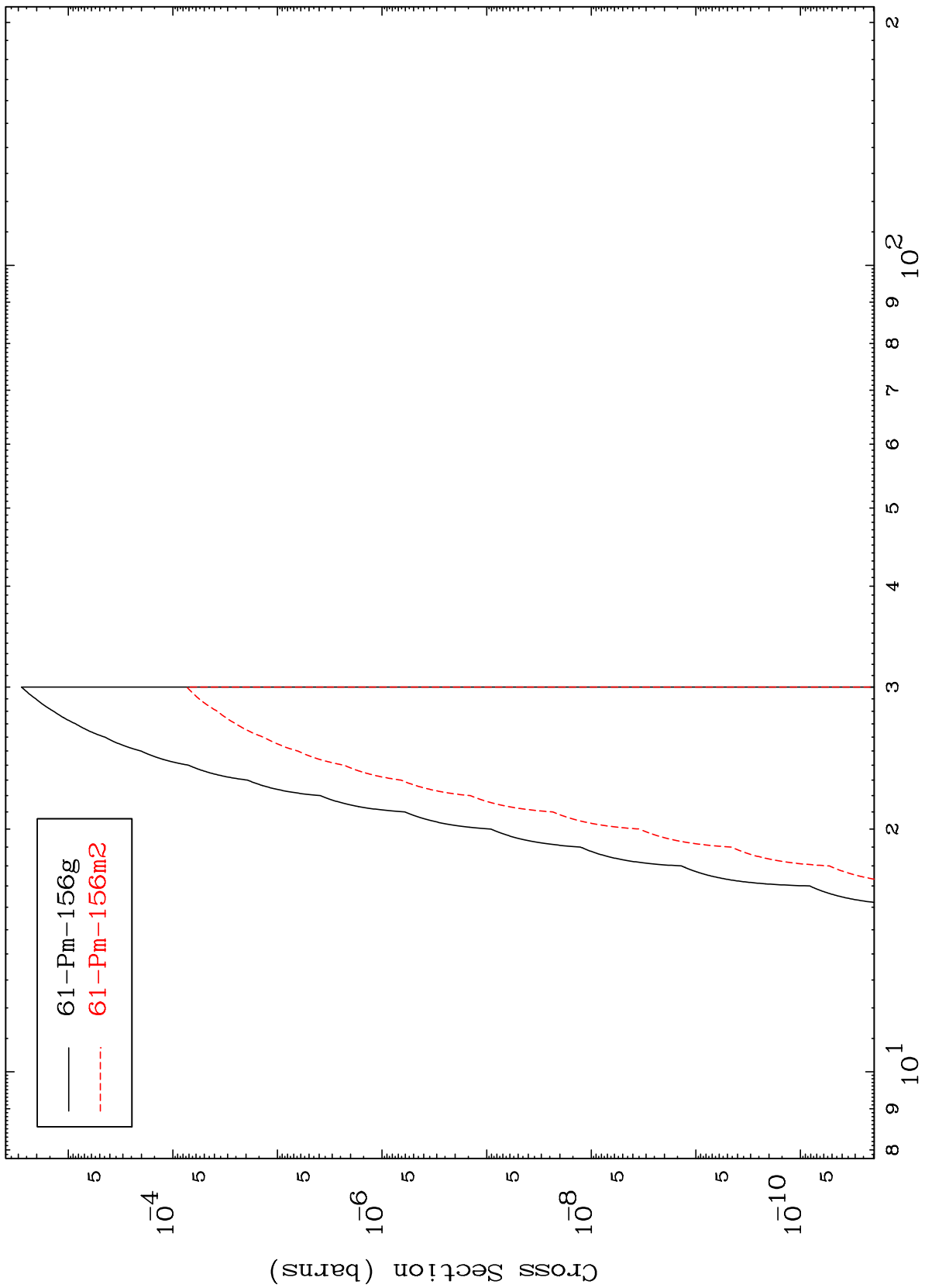
63-Eu-161

MAT 6355

(n,2n)  $\alpha$

63-Eu-161

Radionuclide Production Cross Section



61-Pm-156g  
61-Pm-156m2

138

Incident Energy (MeV)

63-Eu-161