

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

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

Tele: 925-443-1911

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

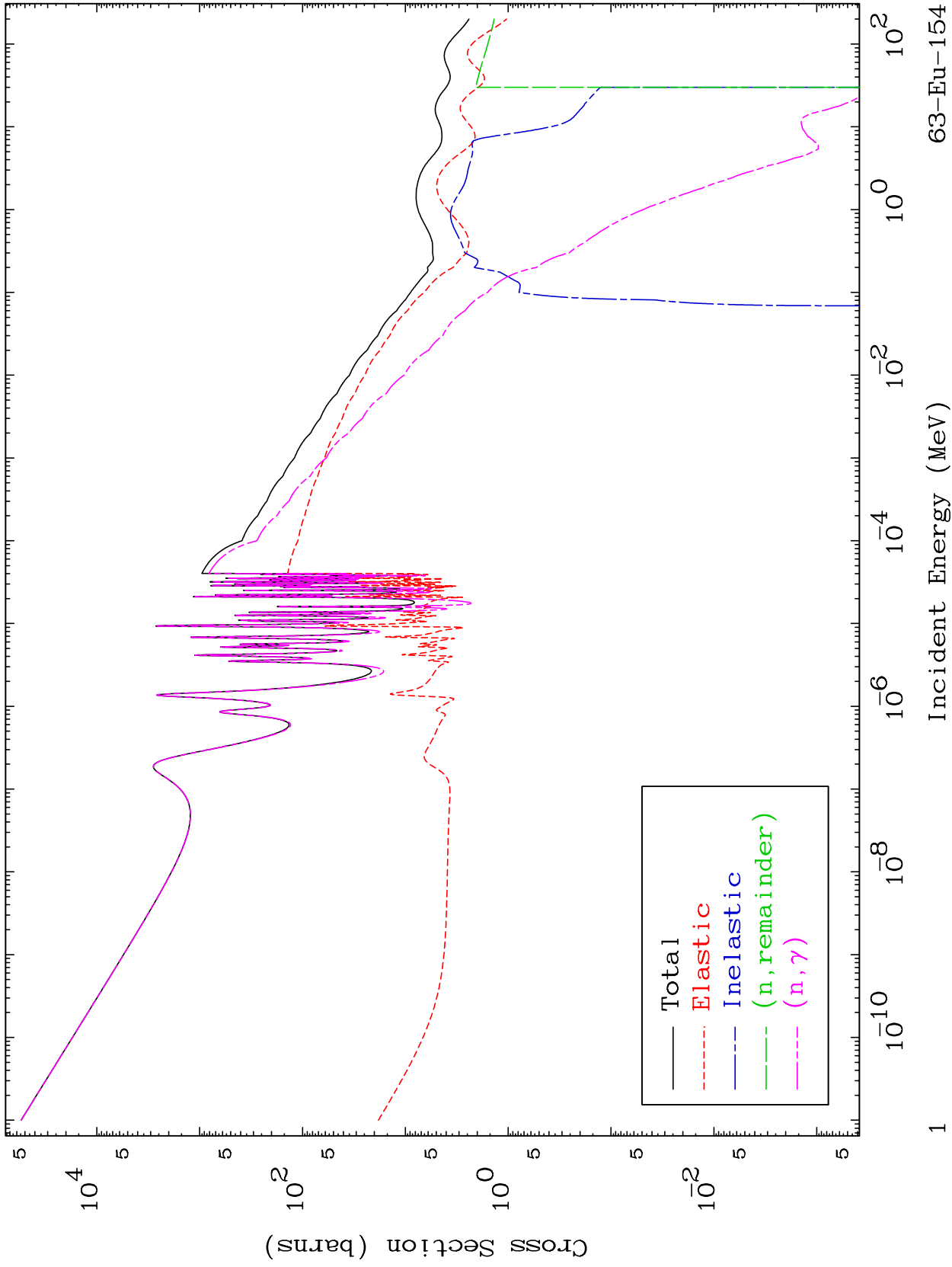
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 6334

Major  
293 Kelvin Cross Sections

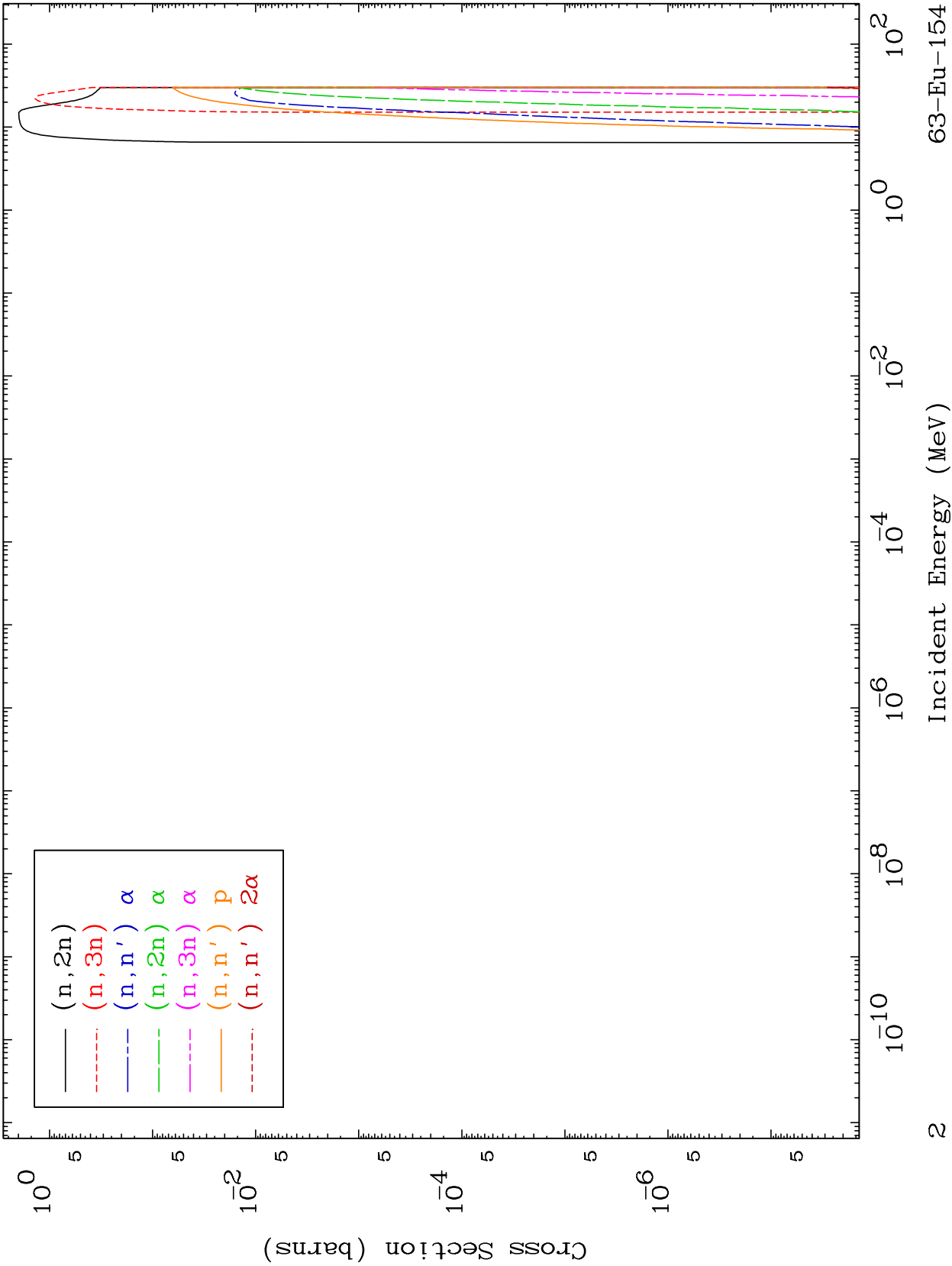
63-Eu-154



MAT 6334

Neutron Production  
293 Kelvin Cross Sections

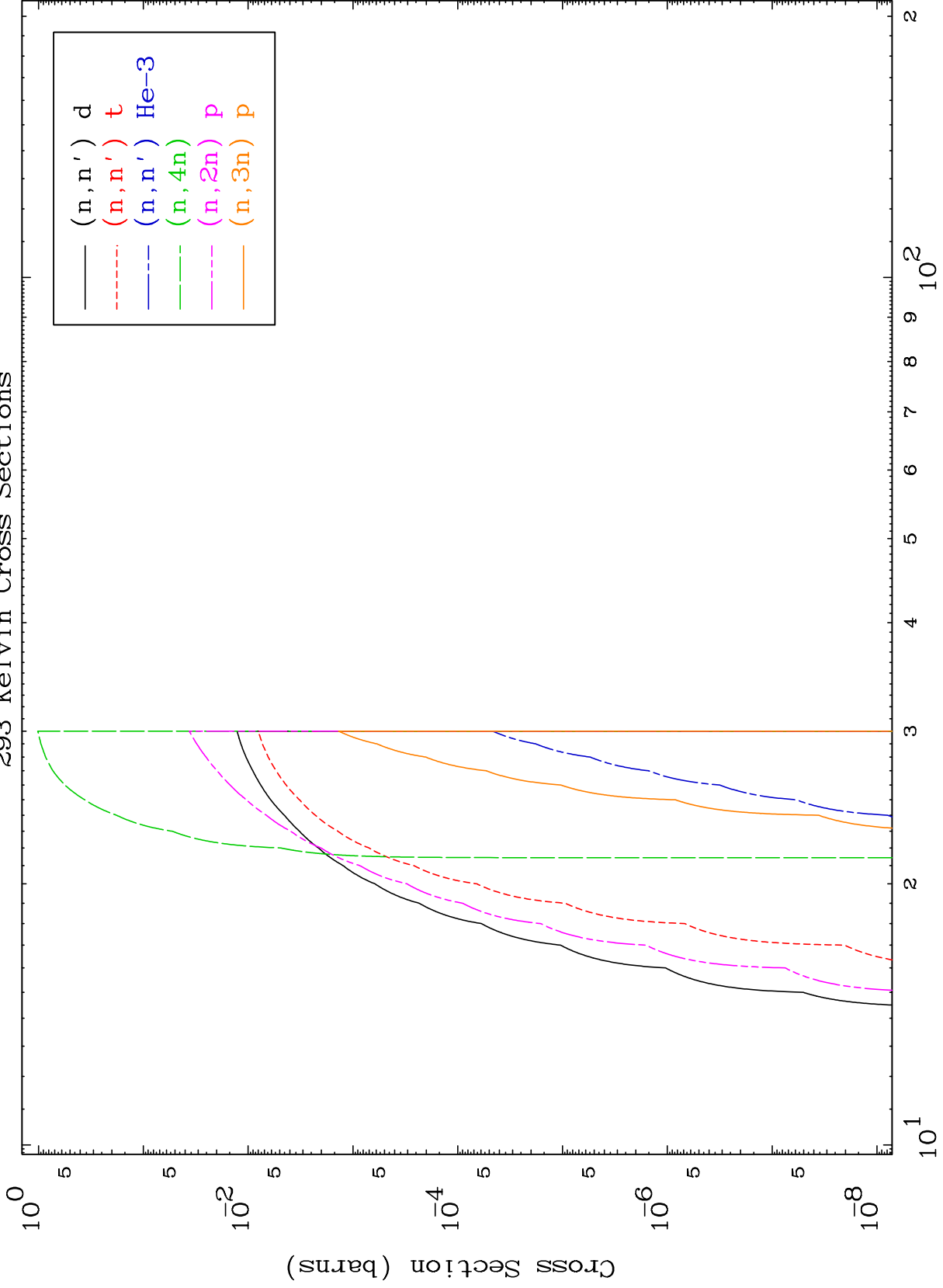
63-Eu-154



MAT 6334

Neutron Production  
293 Kelvin Cross Sections

63-Eu-154



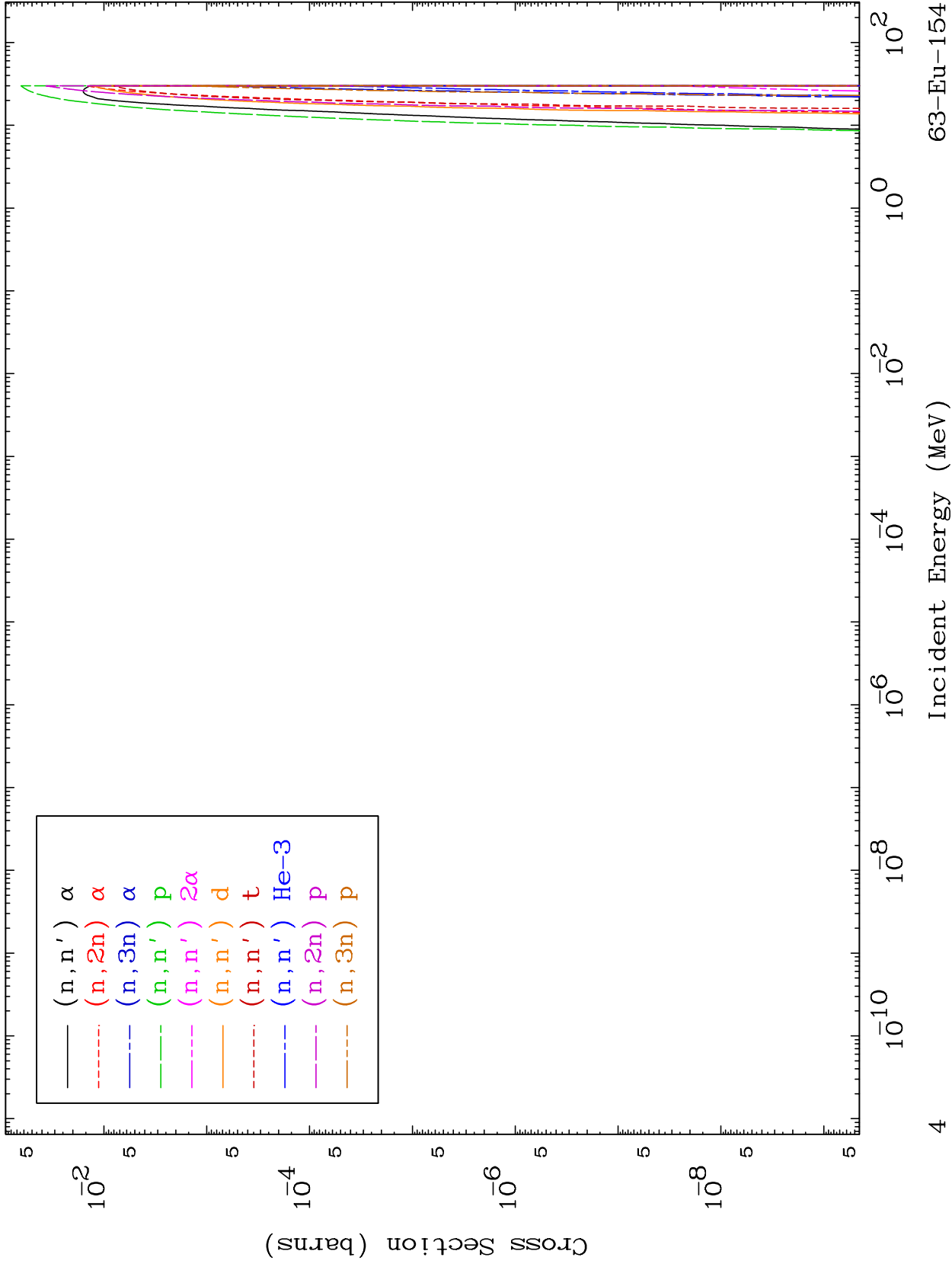
Incident Energy (MeV)

63-Eu-154

MAT 6334

Charged Particle  
293 Kelvin Cross Sections

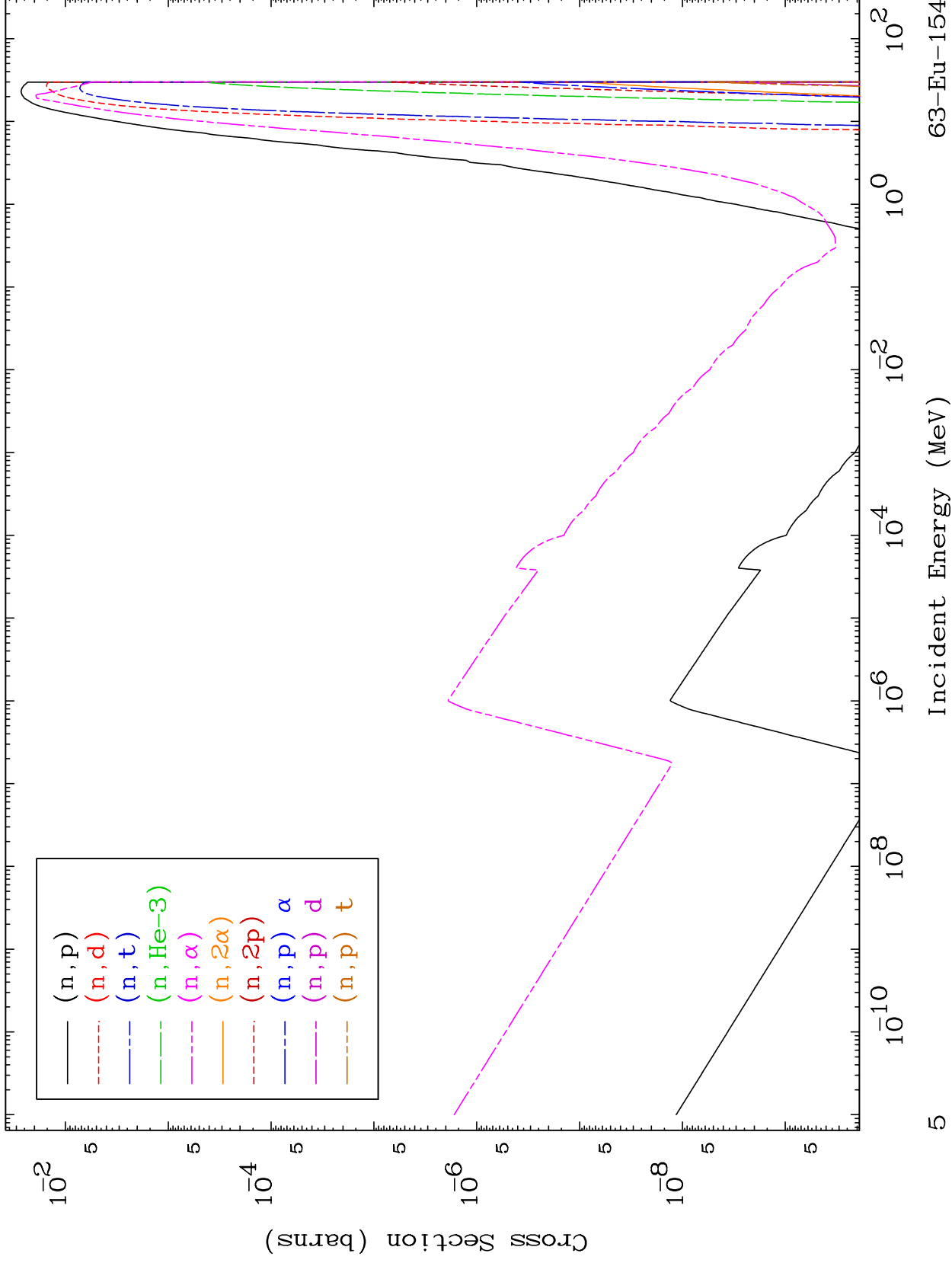
63-Eu-154

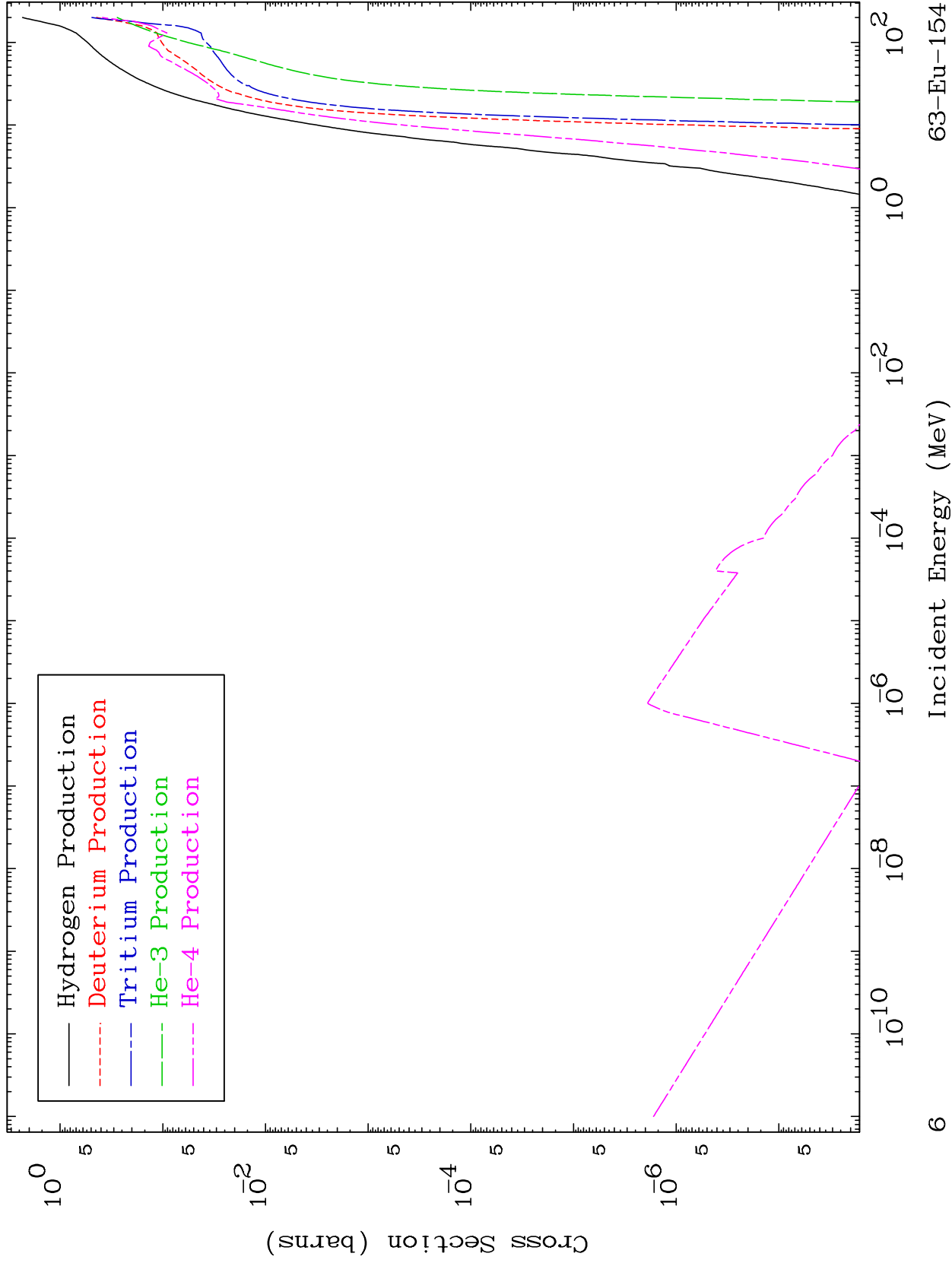


MAT 6334

Charged Particle  
293 Kelvin Cross Sections

63-Eu-154



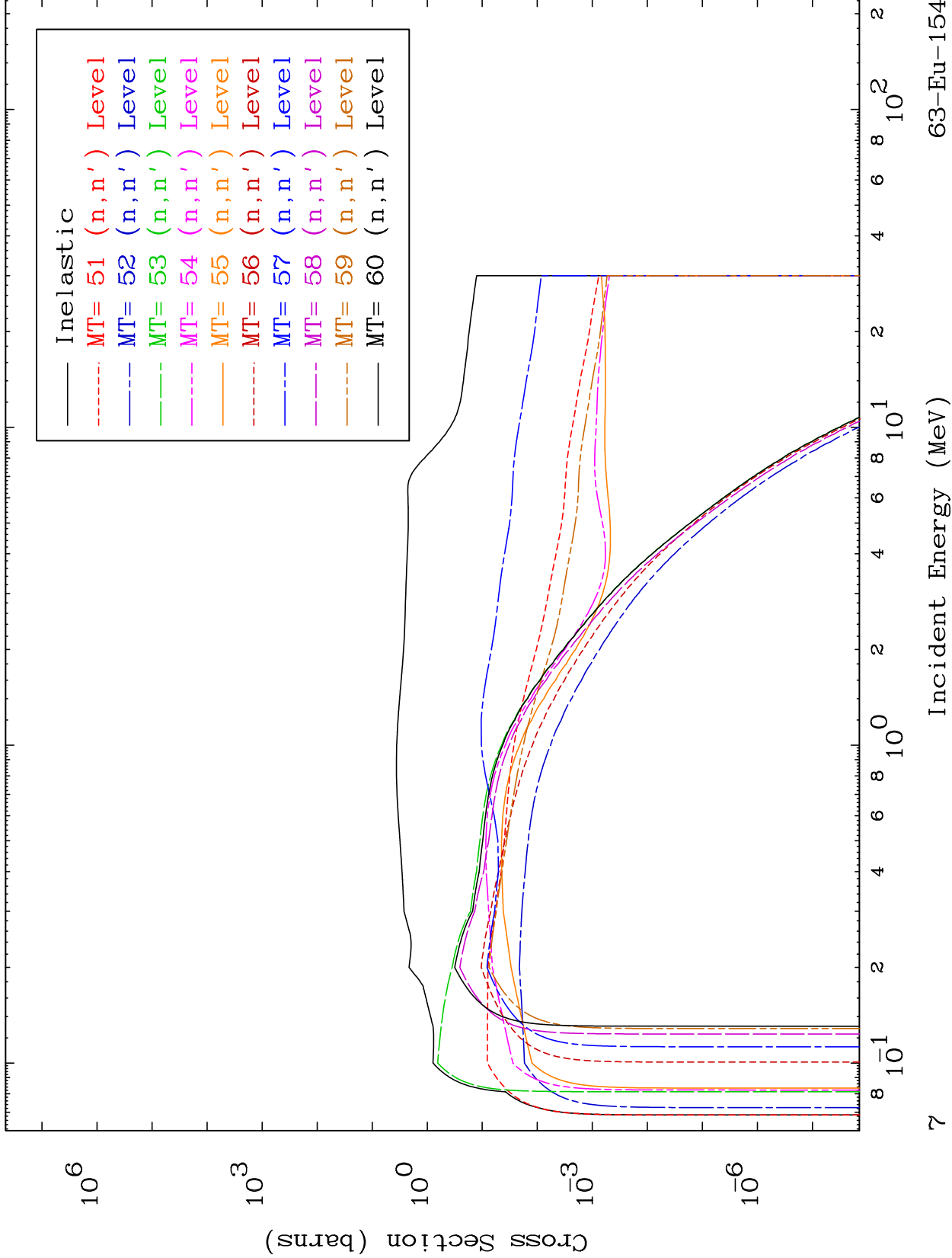


MAT 6334

(n,n') Level

63-Eu-154

293 Kelvin Cross Sections



7

Incident Energy (MeV)

63-Eu-154

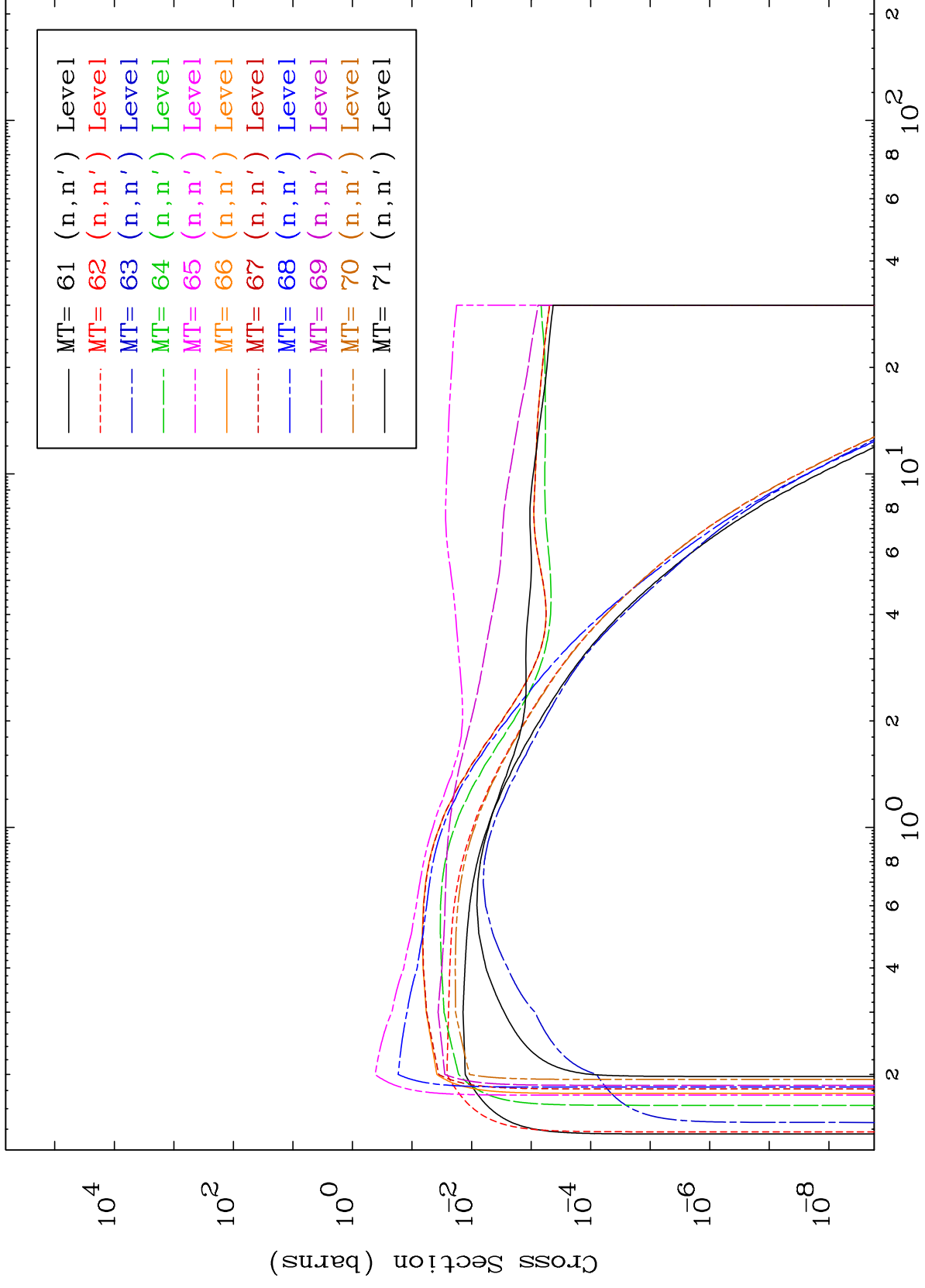


MAT 6334

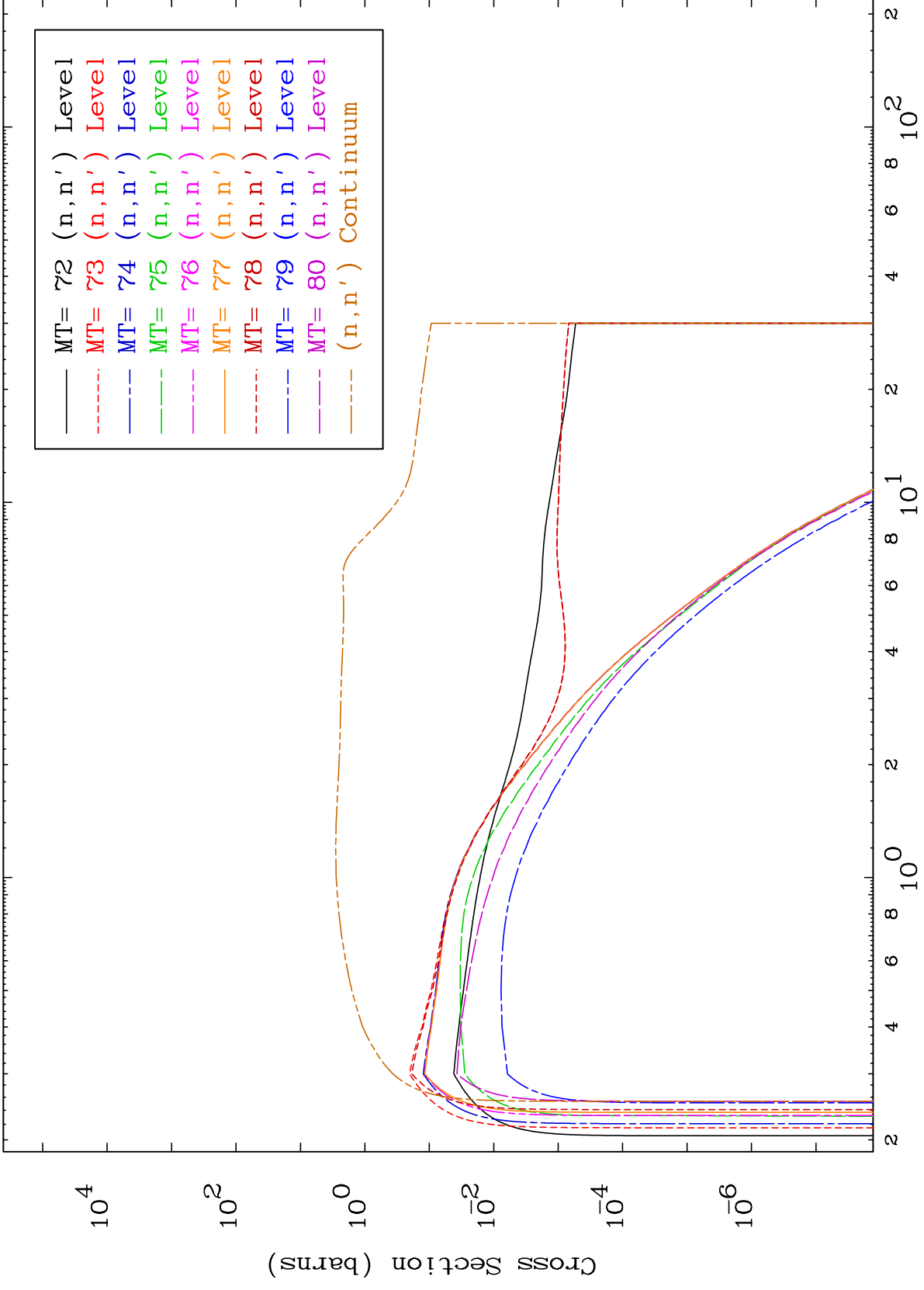
(n,n') Level

63-Eu-154

293 Kelvin Cross Sections



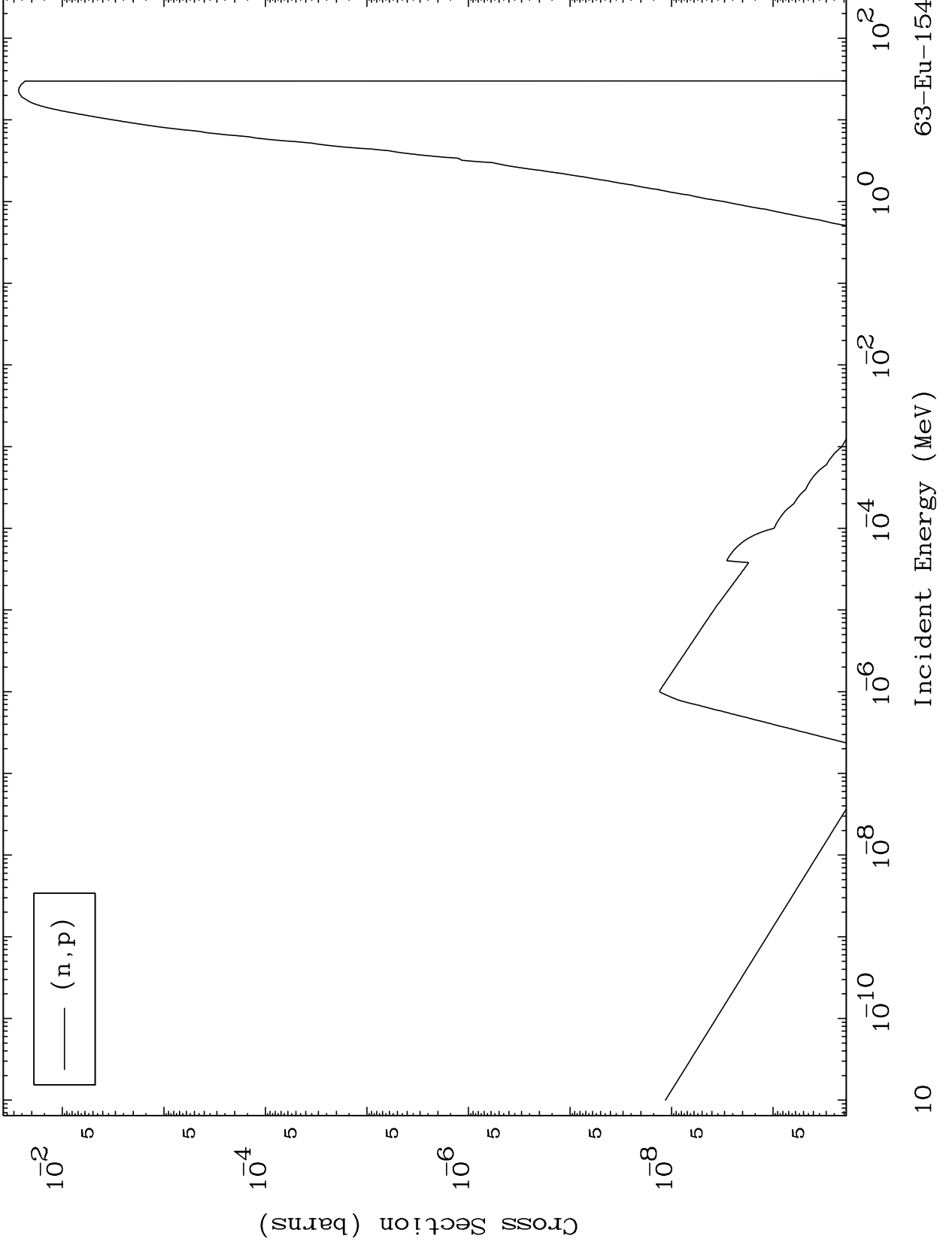
293 Kelvin Cross Sections



MAT 6334

(n,p) Levels  
293 Kelvin Cross Sections

63-Eu-154



10

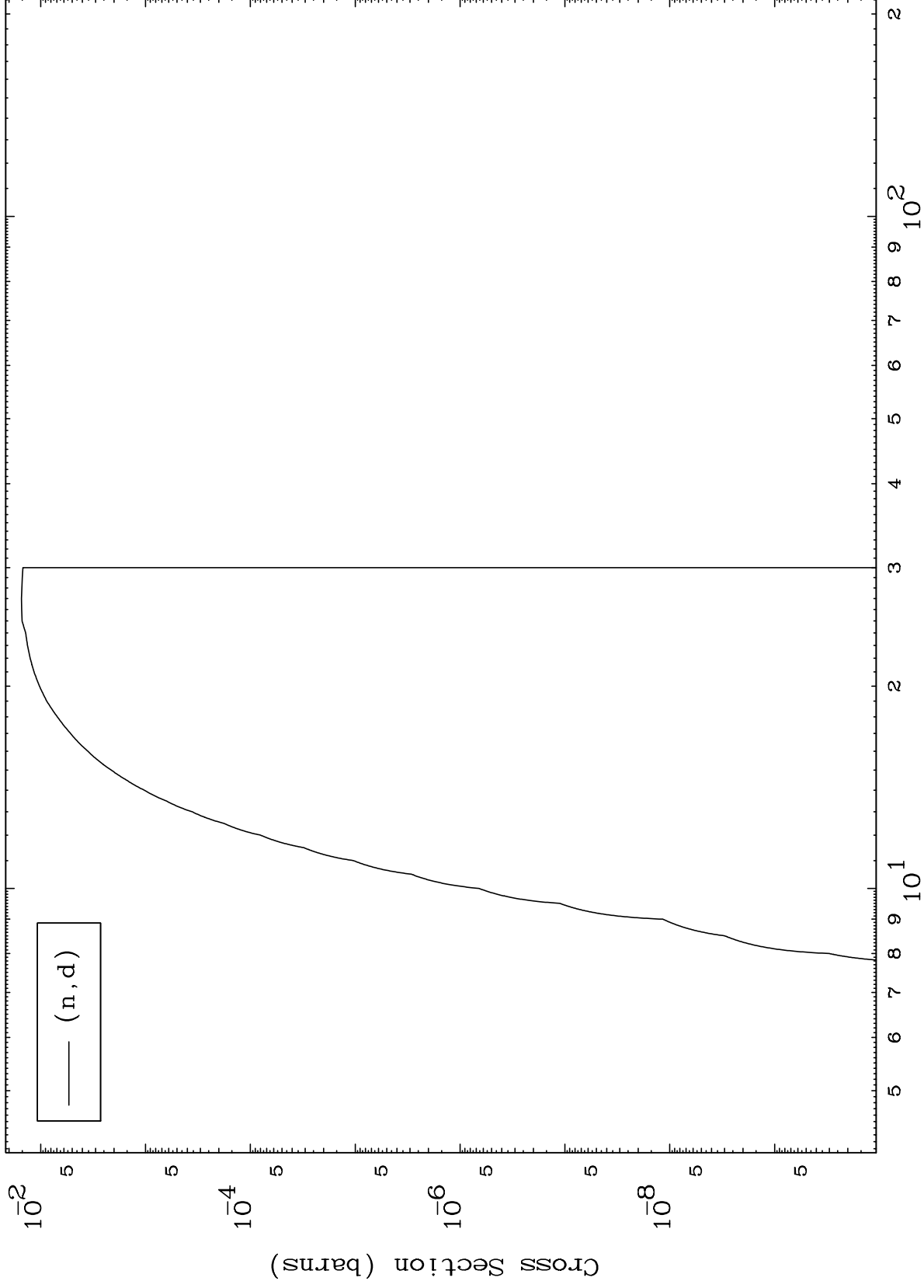
Incident Energy (MeV)

63-Eu-154

MAT 6334

(n,d) Levels  
293 Kelvin Cross Sections

63-Eu-154



11

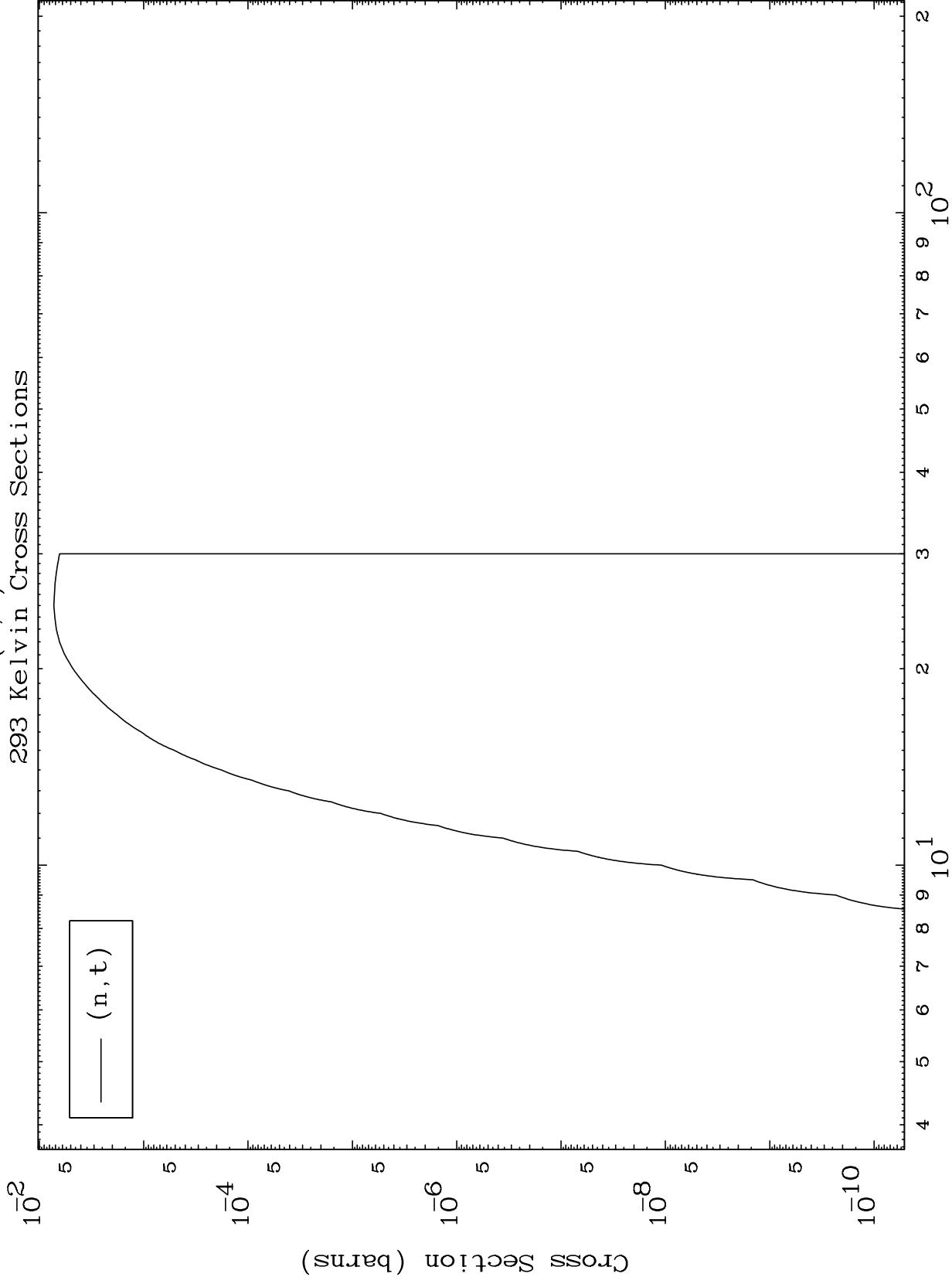
Incident Energy (MeV)

63-Eu-154

MAT 6334

(n, t) Levels  
293 Kelvin Cross Sections

63-Eu-154



12

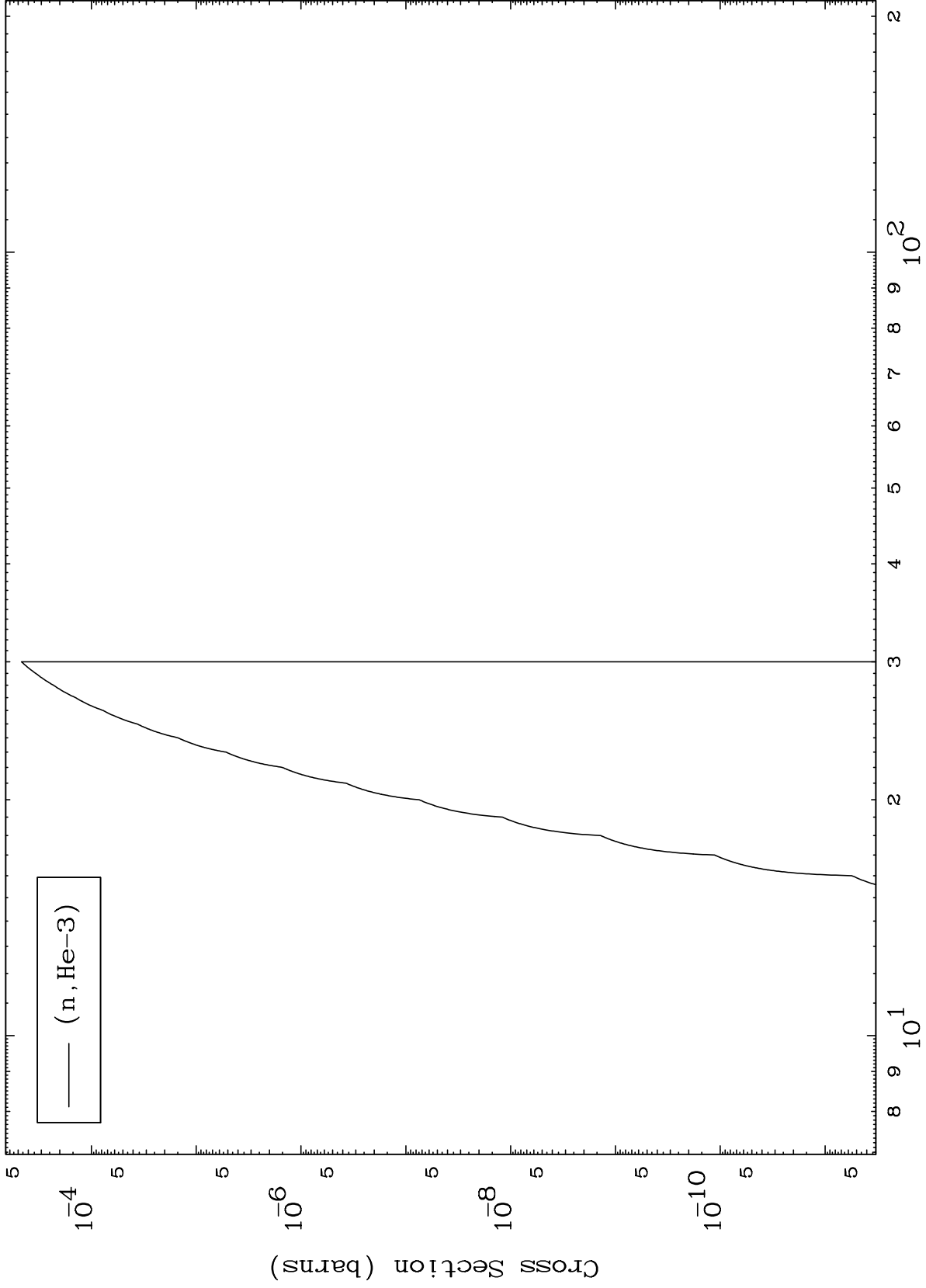
Incident Energy (MeV)

63-Eu-154

MAT 6334

(n,He3) Levels  
293 Kelvin Cross Sections

63-Eu-154



13

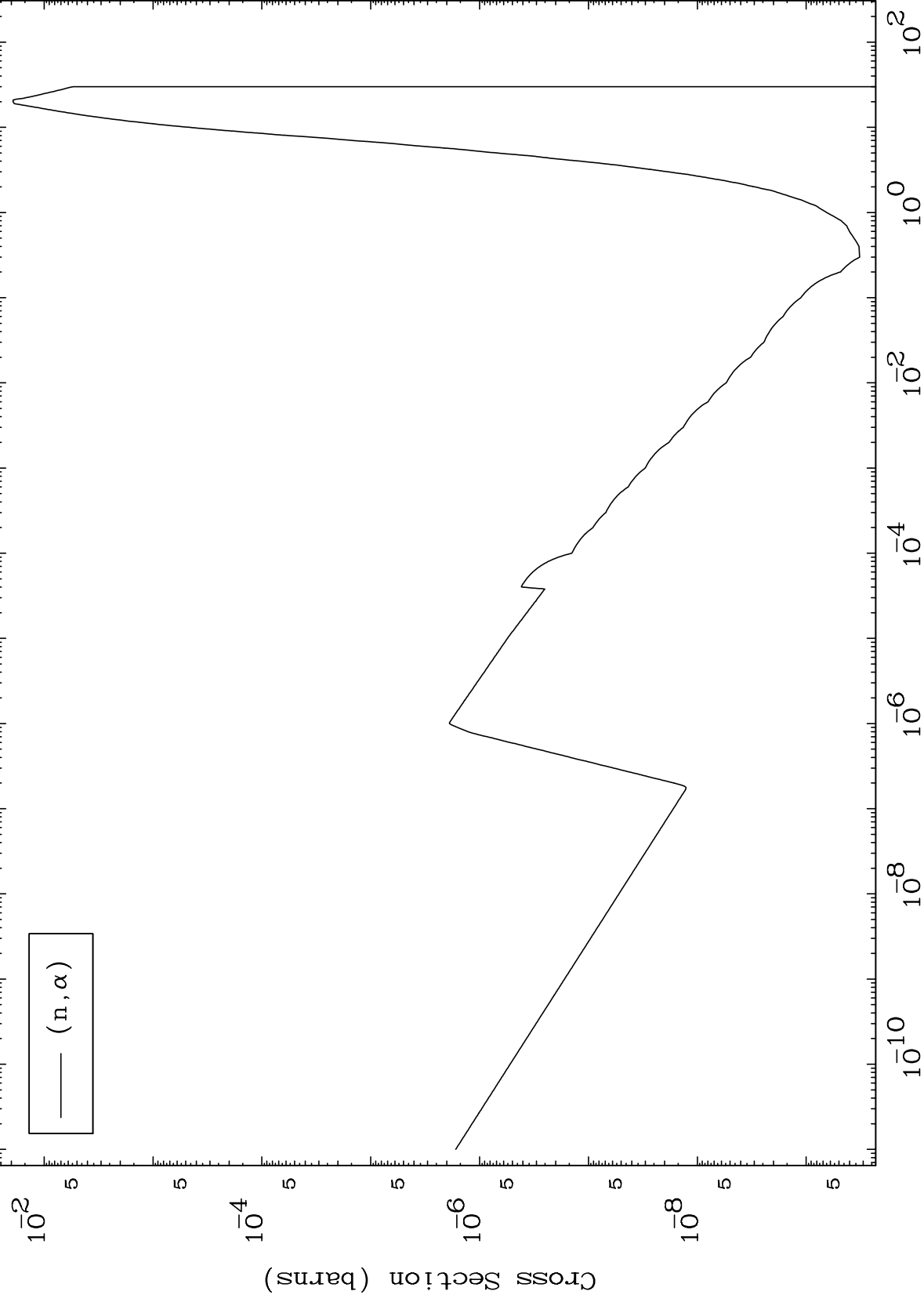
Incident Energy (MeV)

63-Eu-154

MAT 6334

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

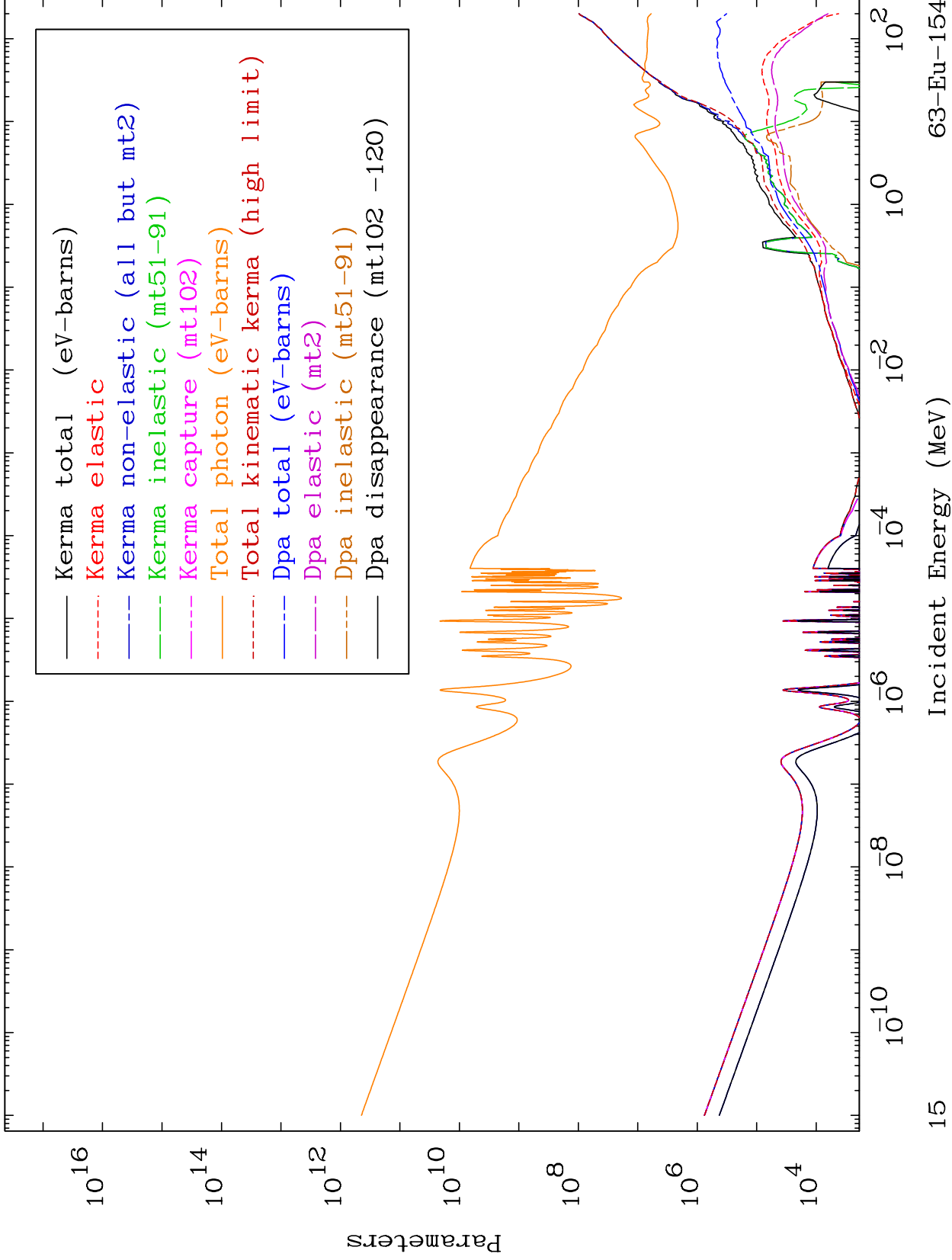
63-Eu-154



14

Incident Energy (MeV)

63-Eu-154

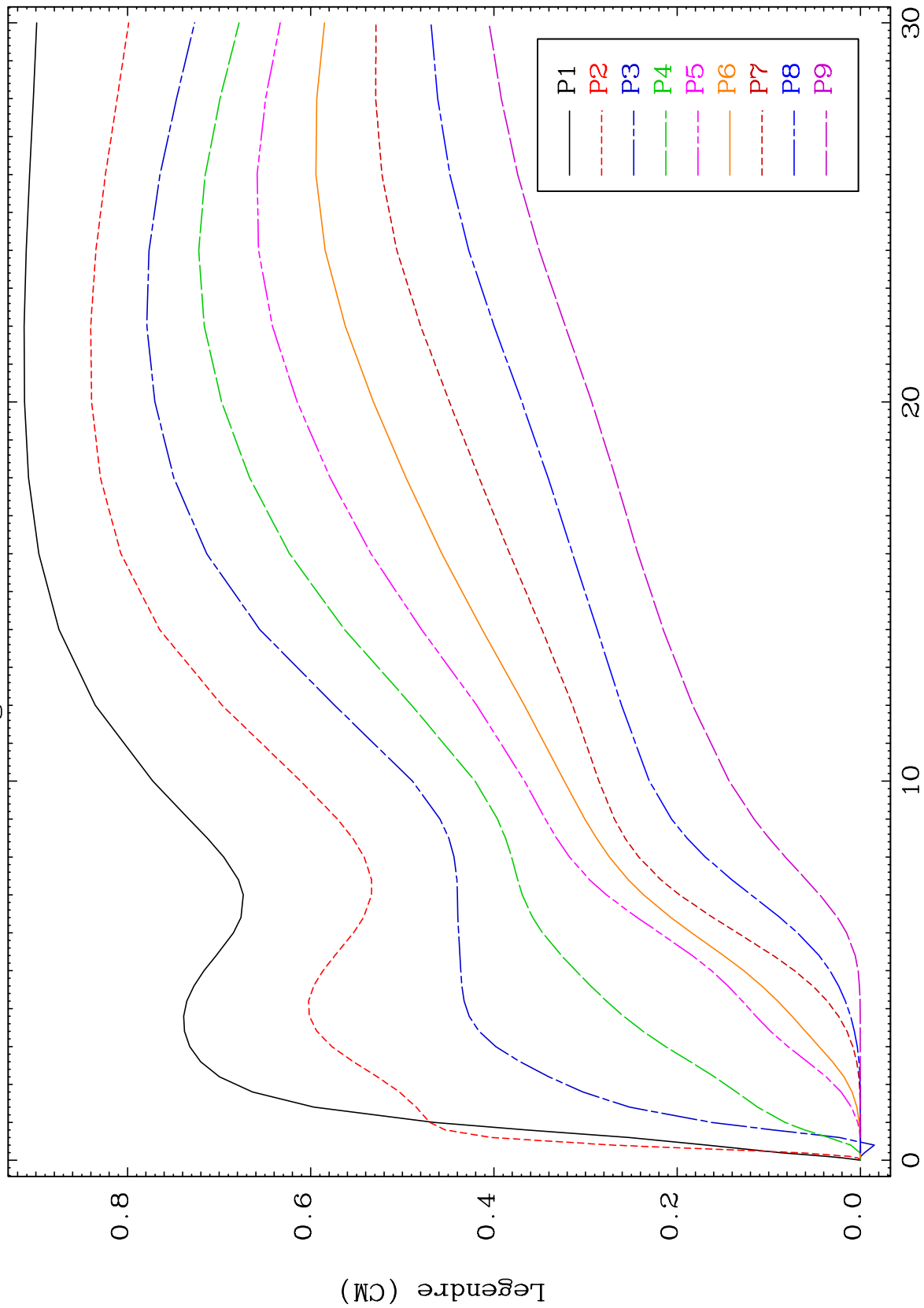




MAT 6334

Elastic Legendre Coefficients

63-Eu-154



16

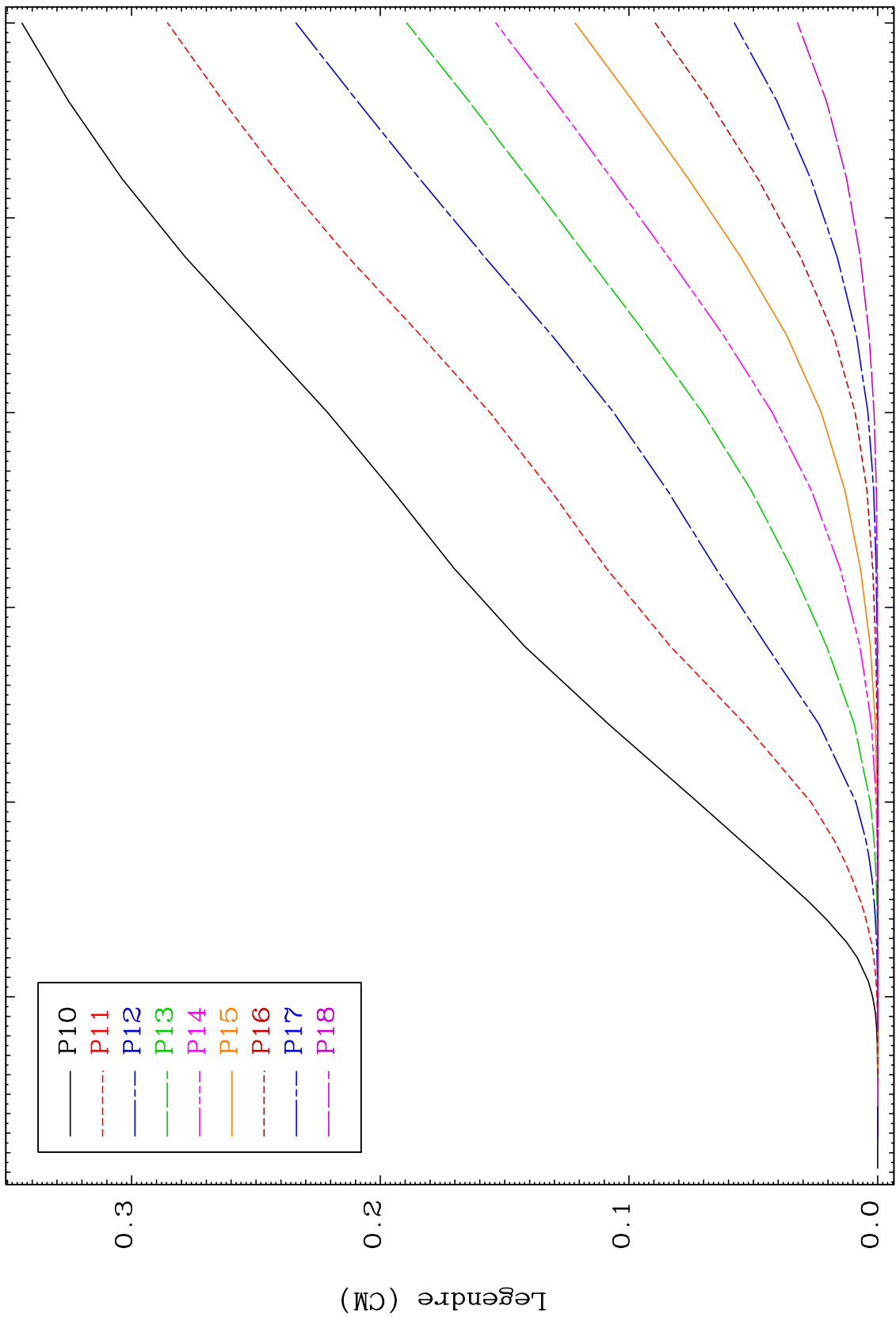
Incident Energy (MeV)

63-Eu-154

MAT 6334

Elastic Legendre Coefficients

<sup>63</sup>-Eu-154



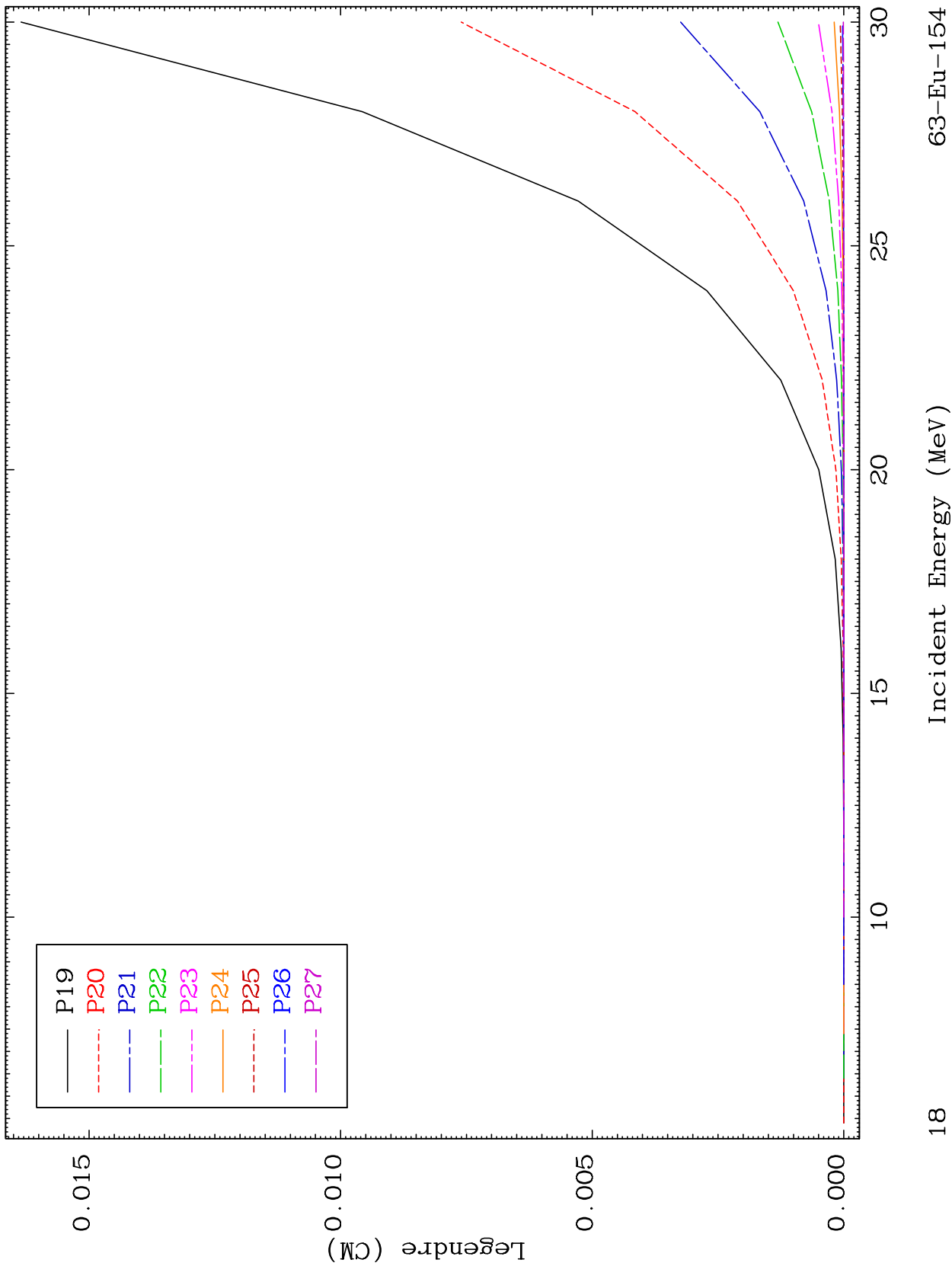
17

<sup>63</sup>-Eu-154

MAT 6334

### Elastic Legendre Coefficients

63-Eu-154



18

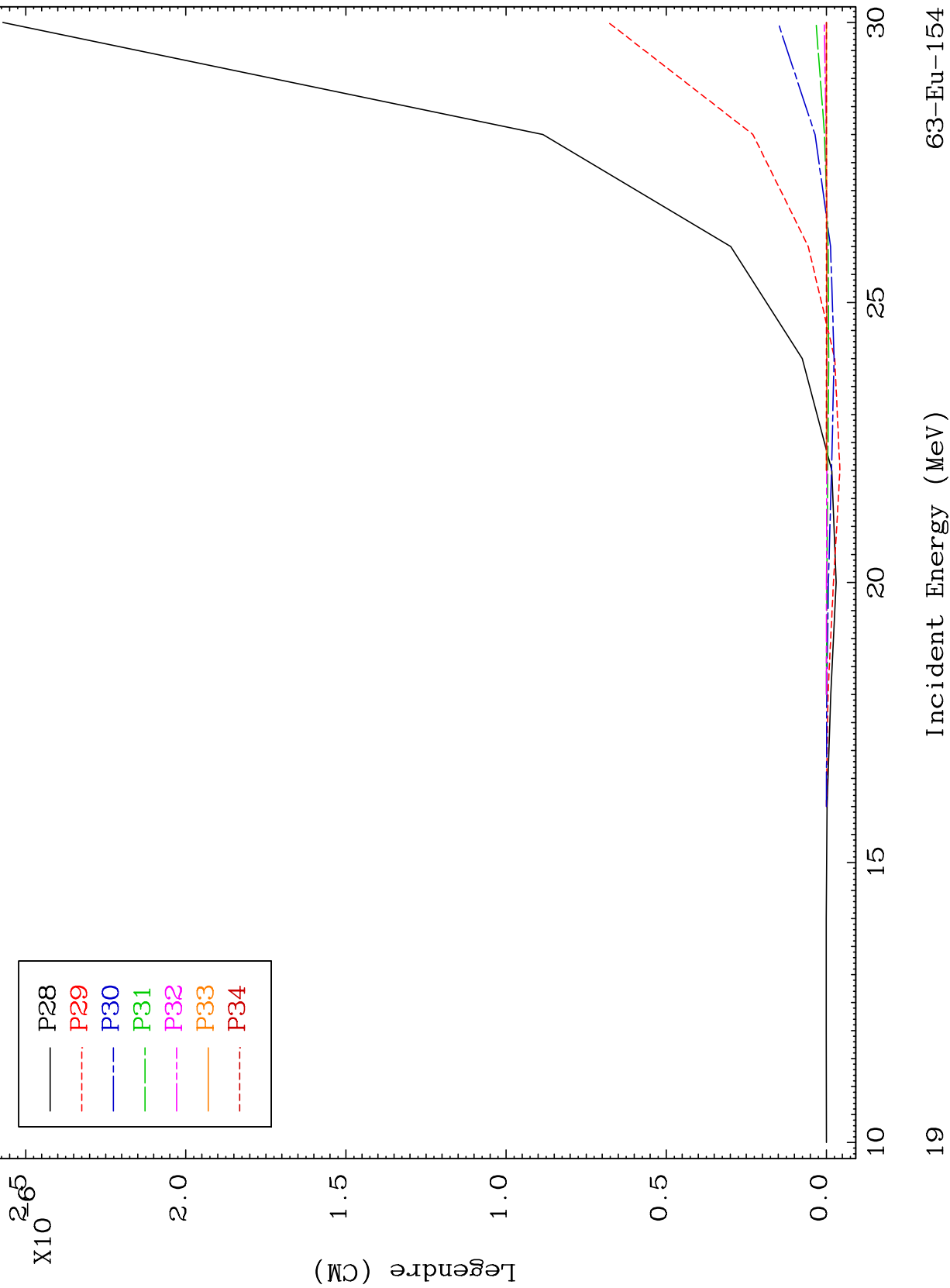
Incident Energy (MeV)

63-Eu-154

MAT 6334

Elastic Legendre Coefficients

63-Eu-154



19

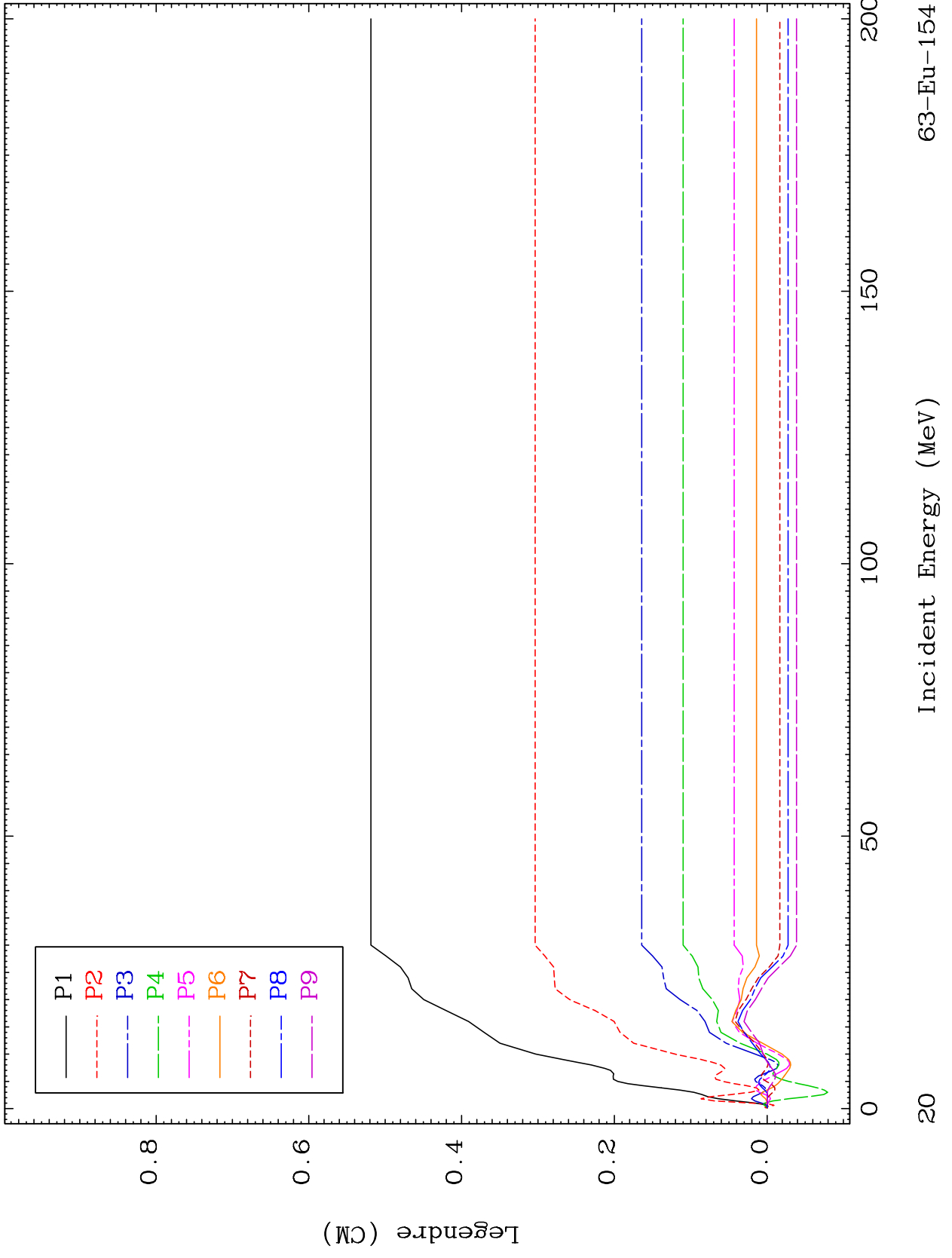
Incident Energy (MeV)

63-Eu-154

MAT 6334

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

63-Eu-154



63-Eu-154

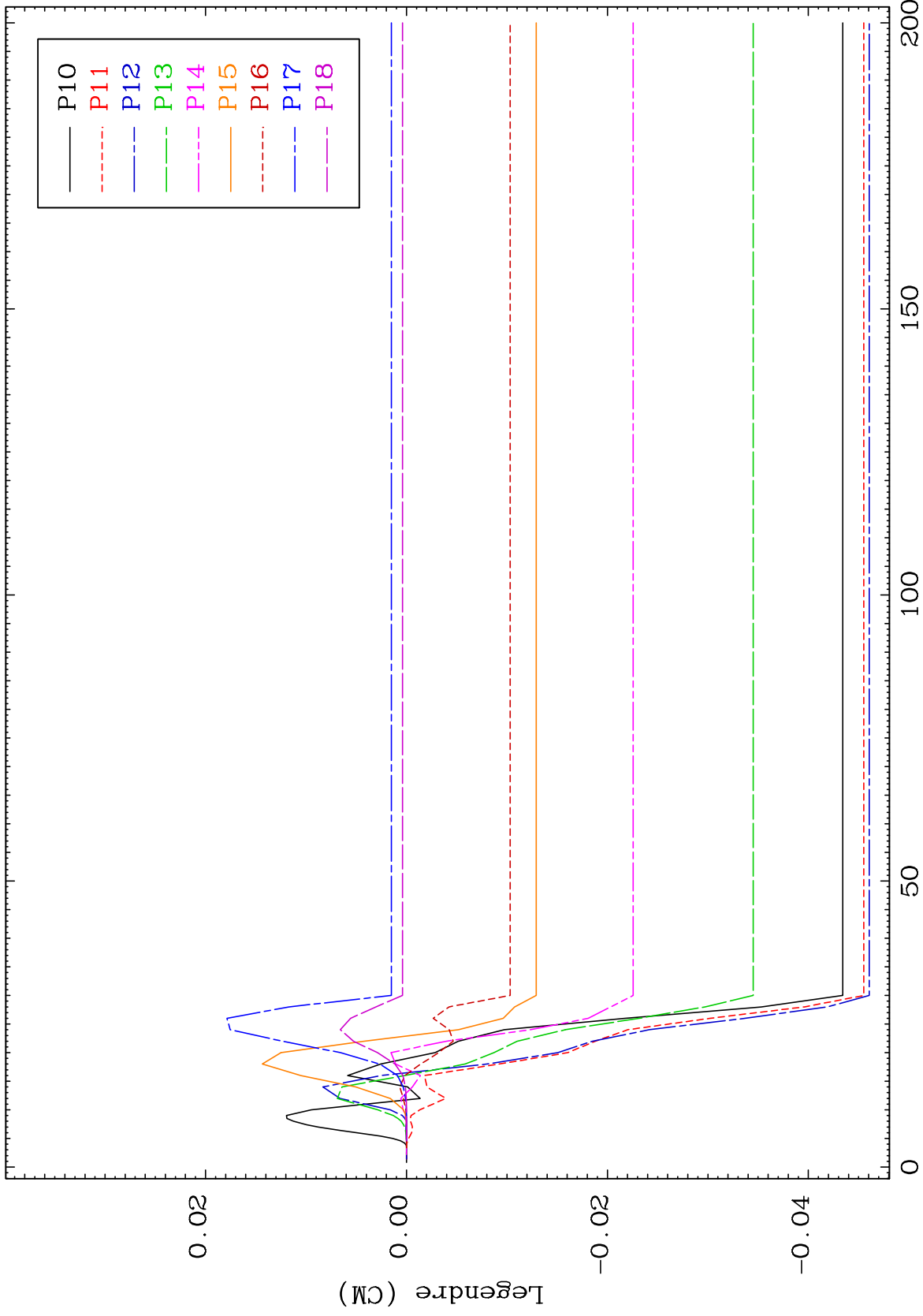
Incident Energy (MeV)

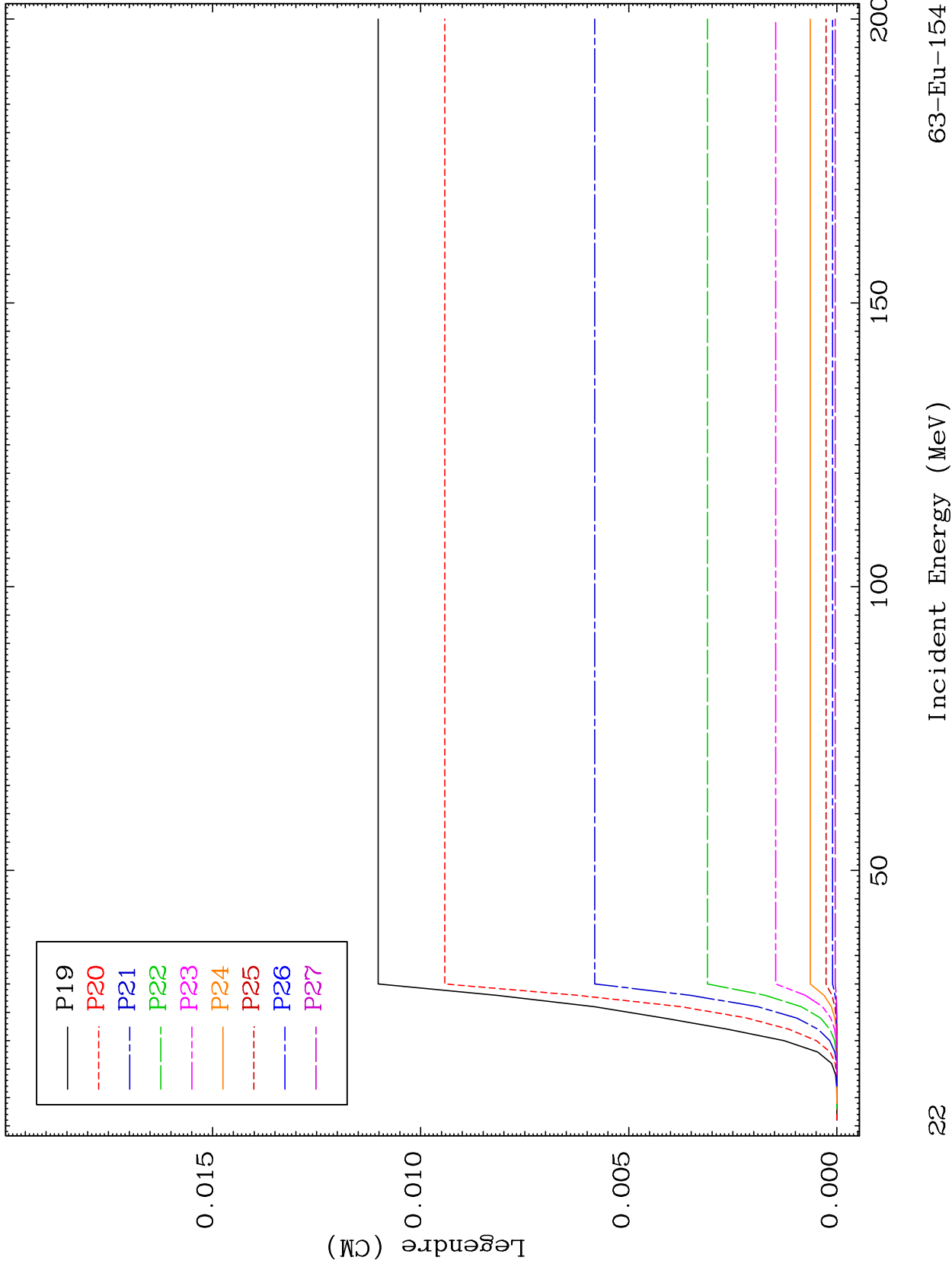
0

MAT 6334

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

63-Eu-154

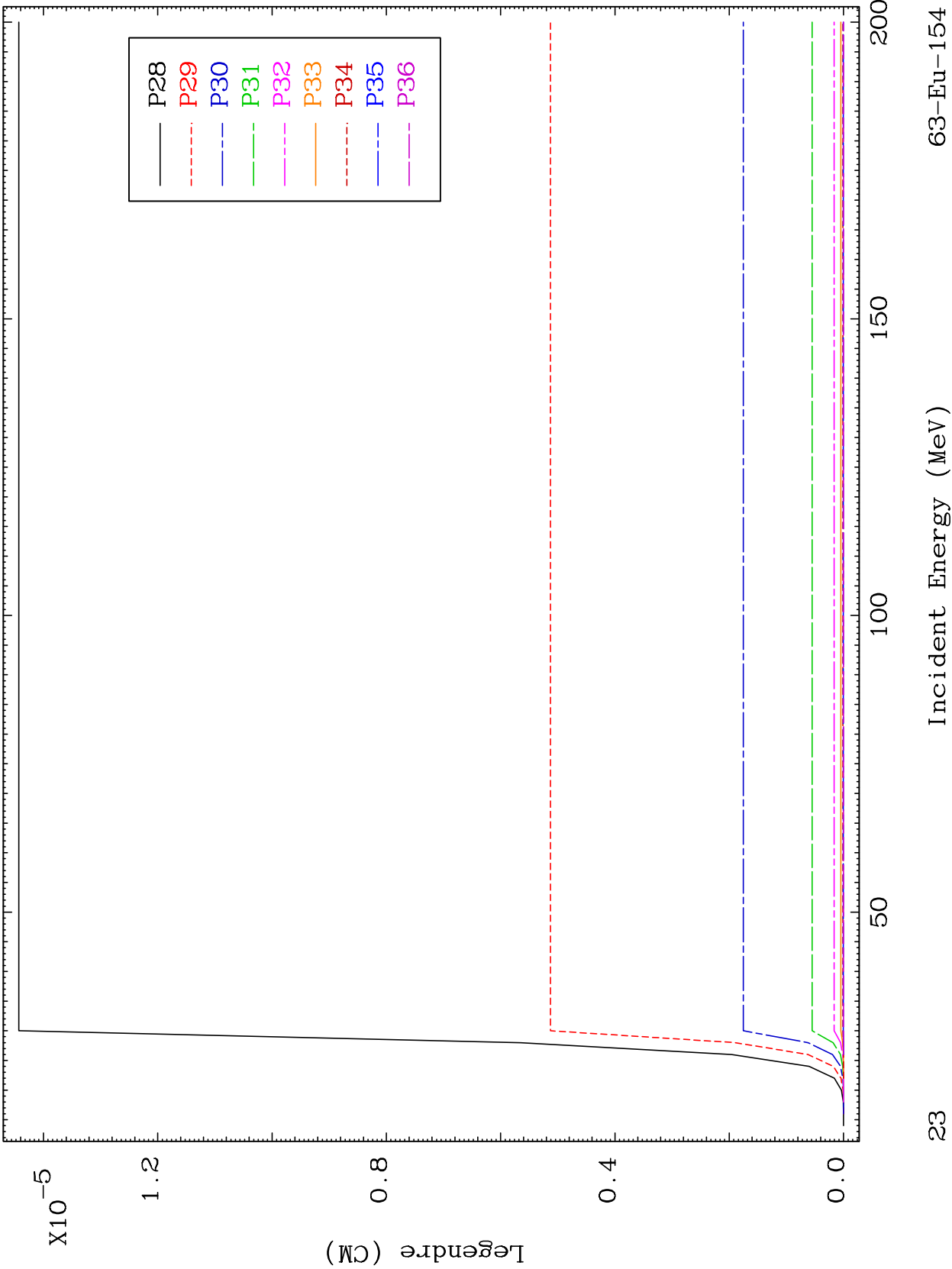




MAT 6334

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

63-Eu-154



23

Incident Energy (MeV)

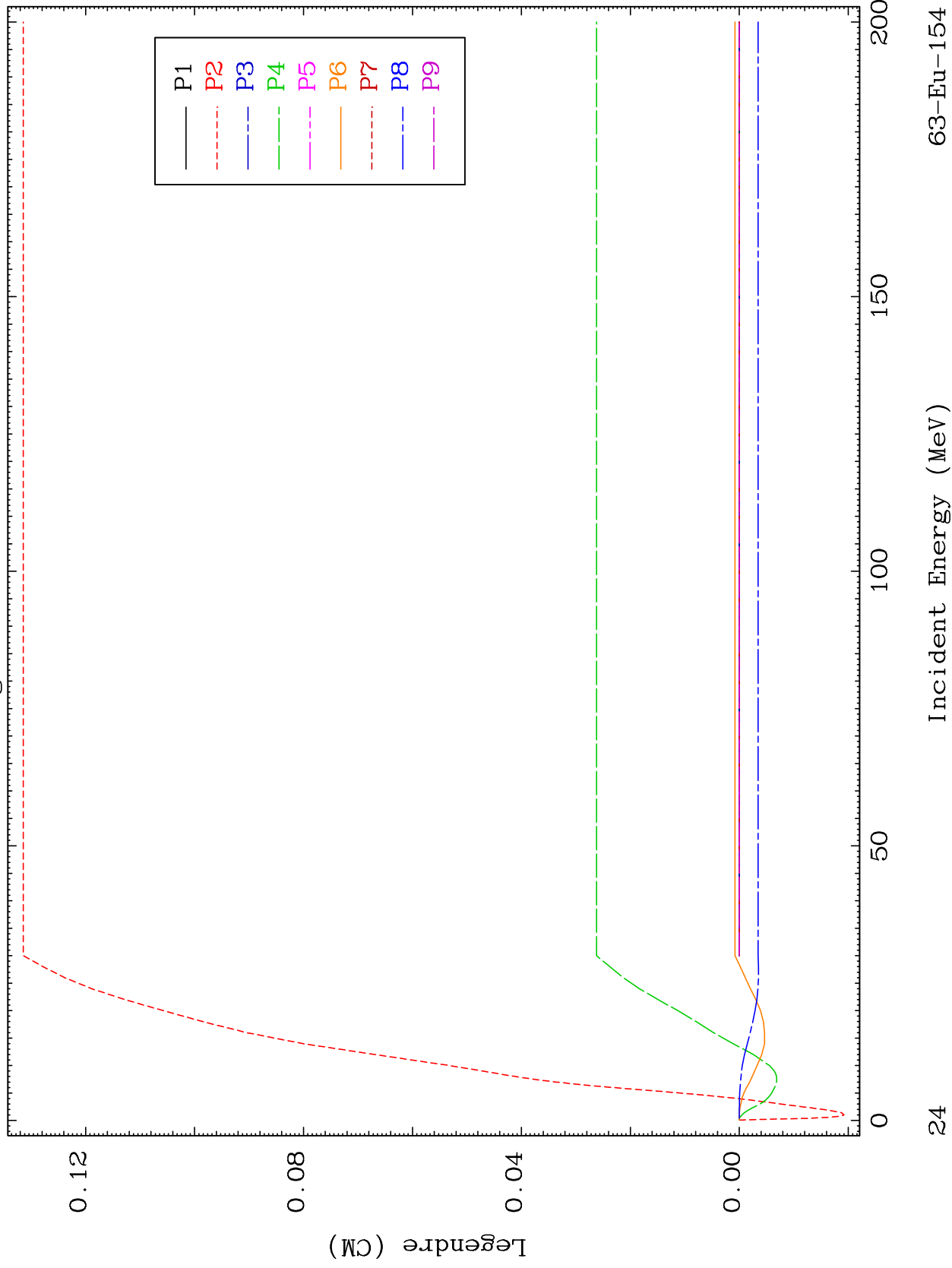
63-Eu-154



MAT 6334

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

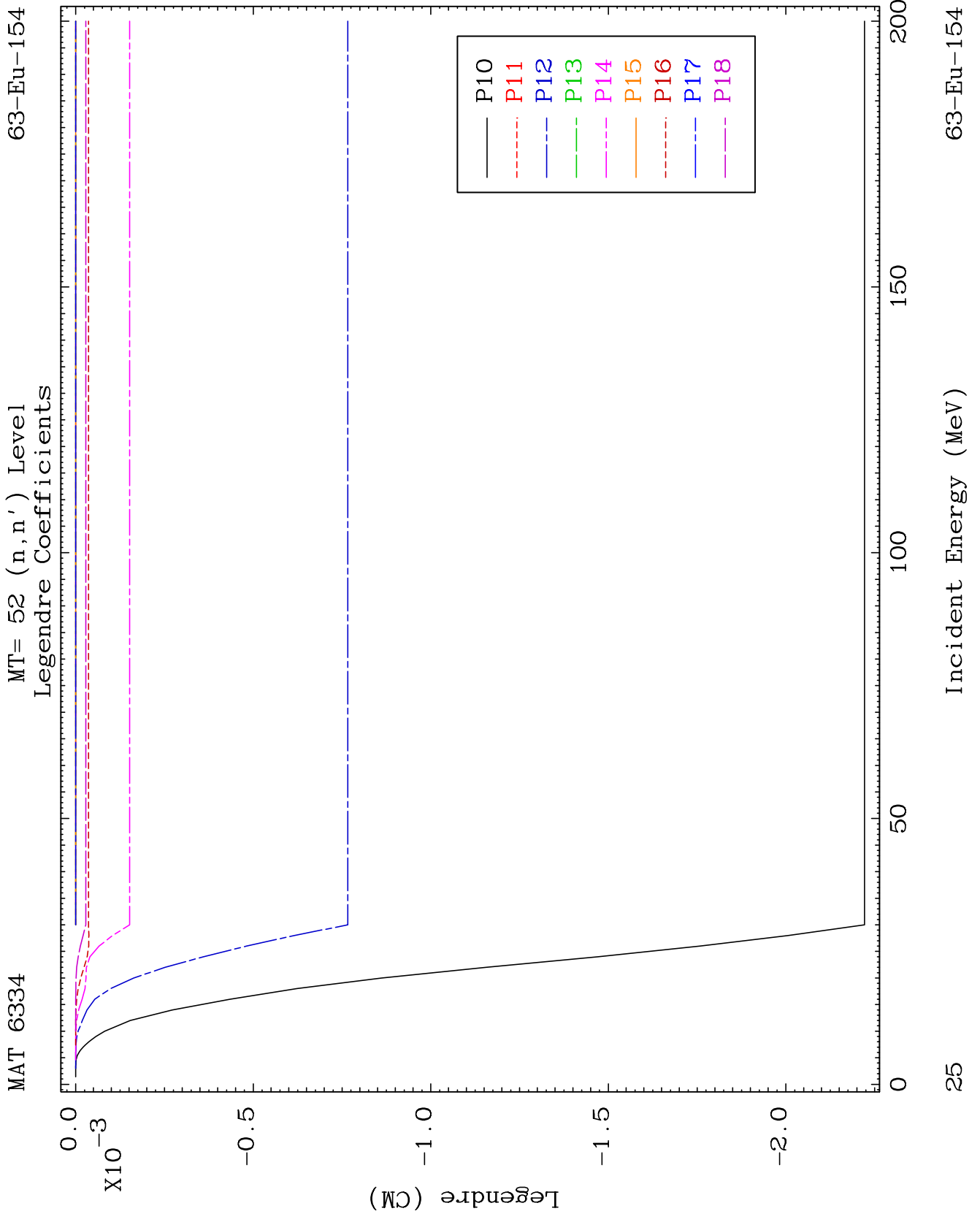
63-Eu-154

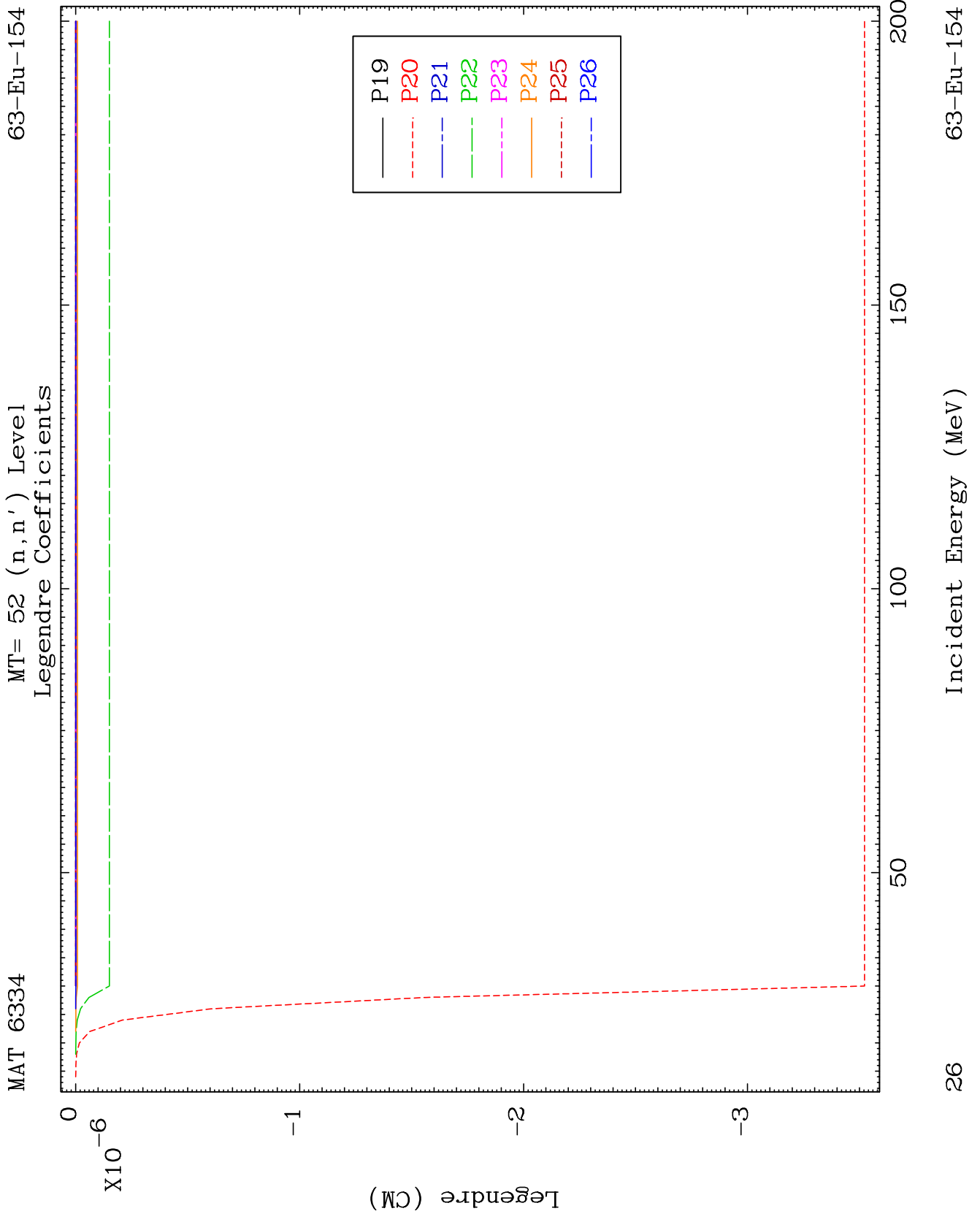


63-Eu-154

Incident Energy (MeV)

24

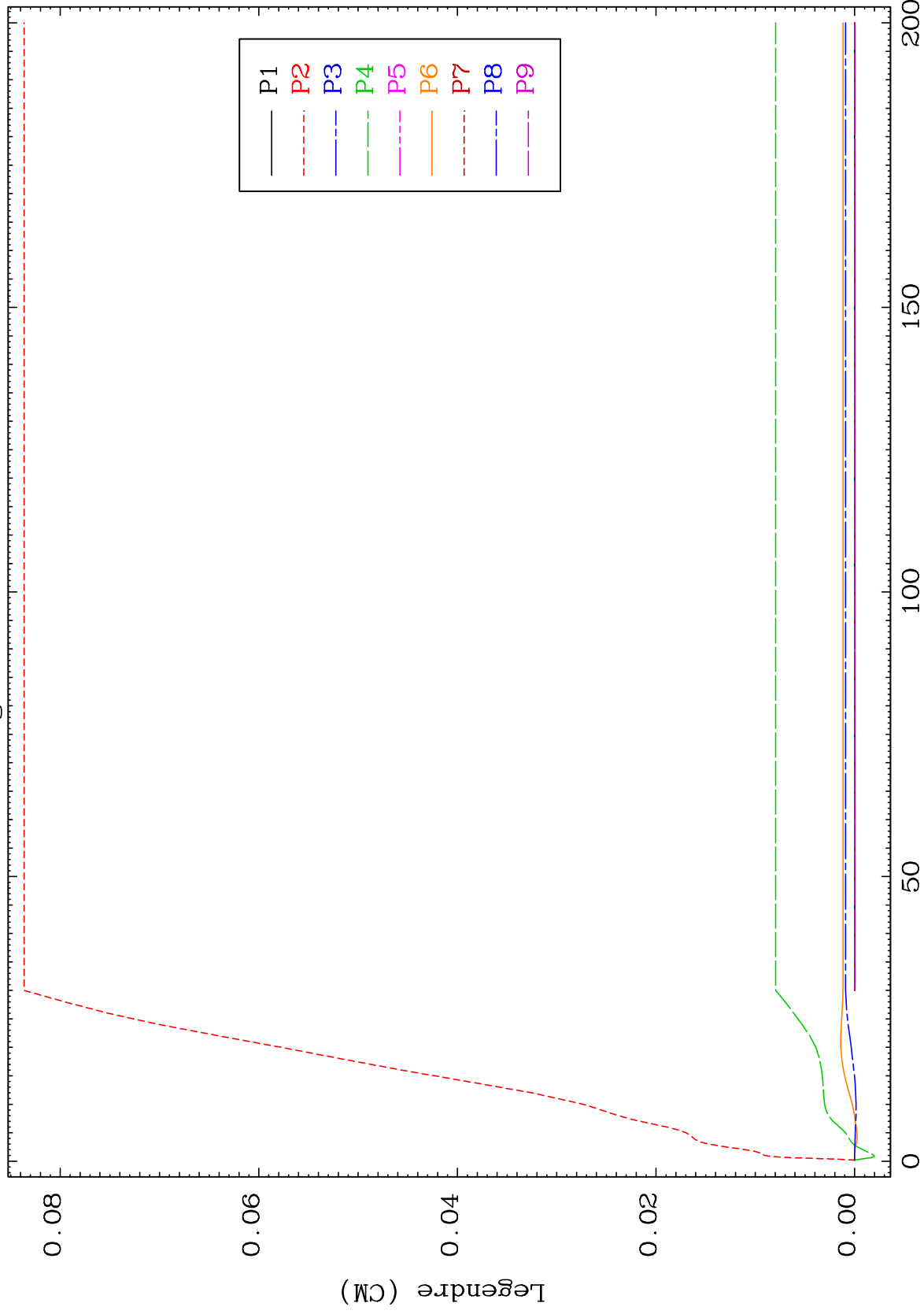




MAT 6334

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

63-Eu-154



27

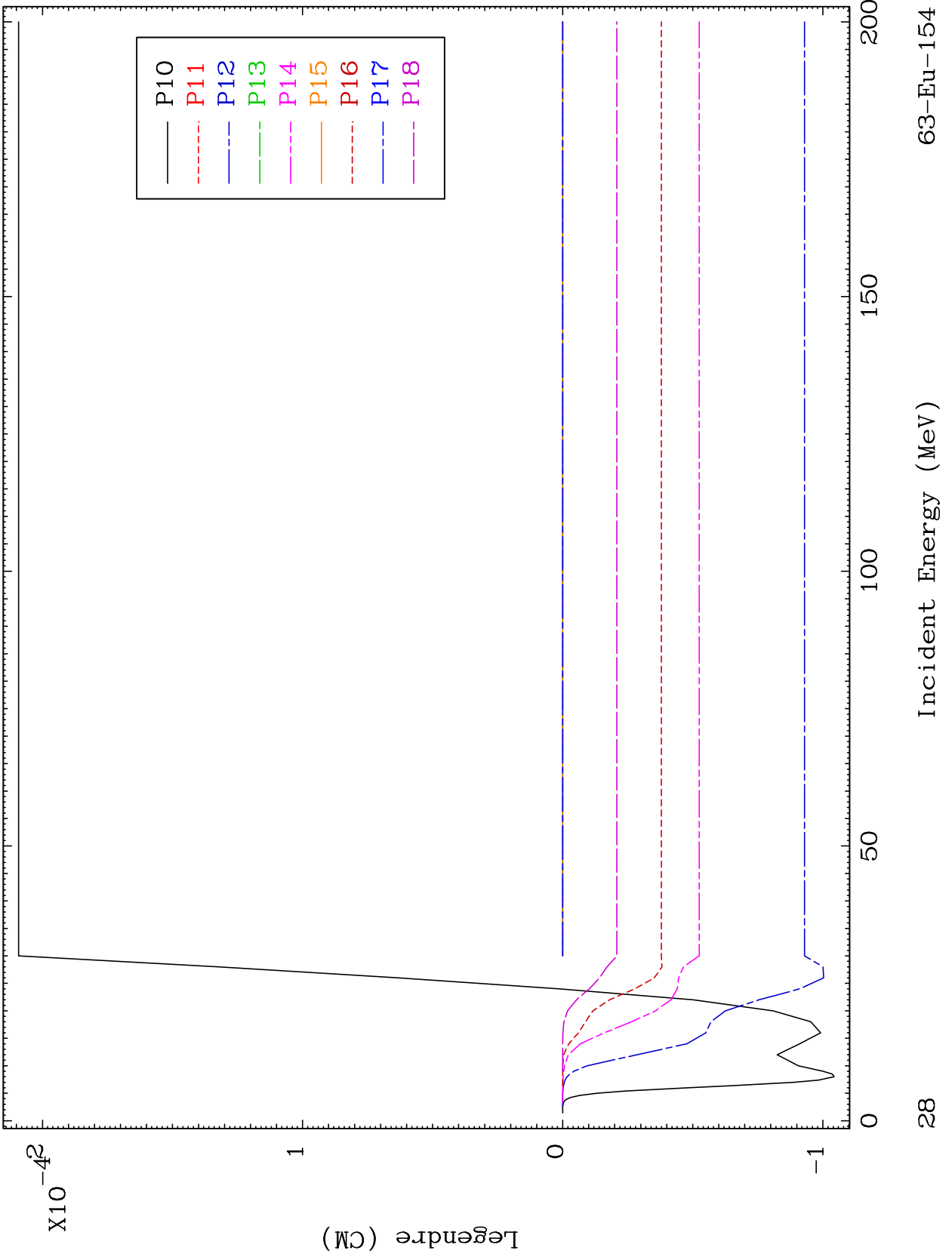
Incident Energy (MeV)

63-Eu-154

MAT 6334

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

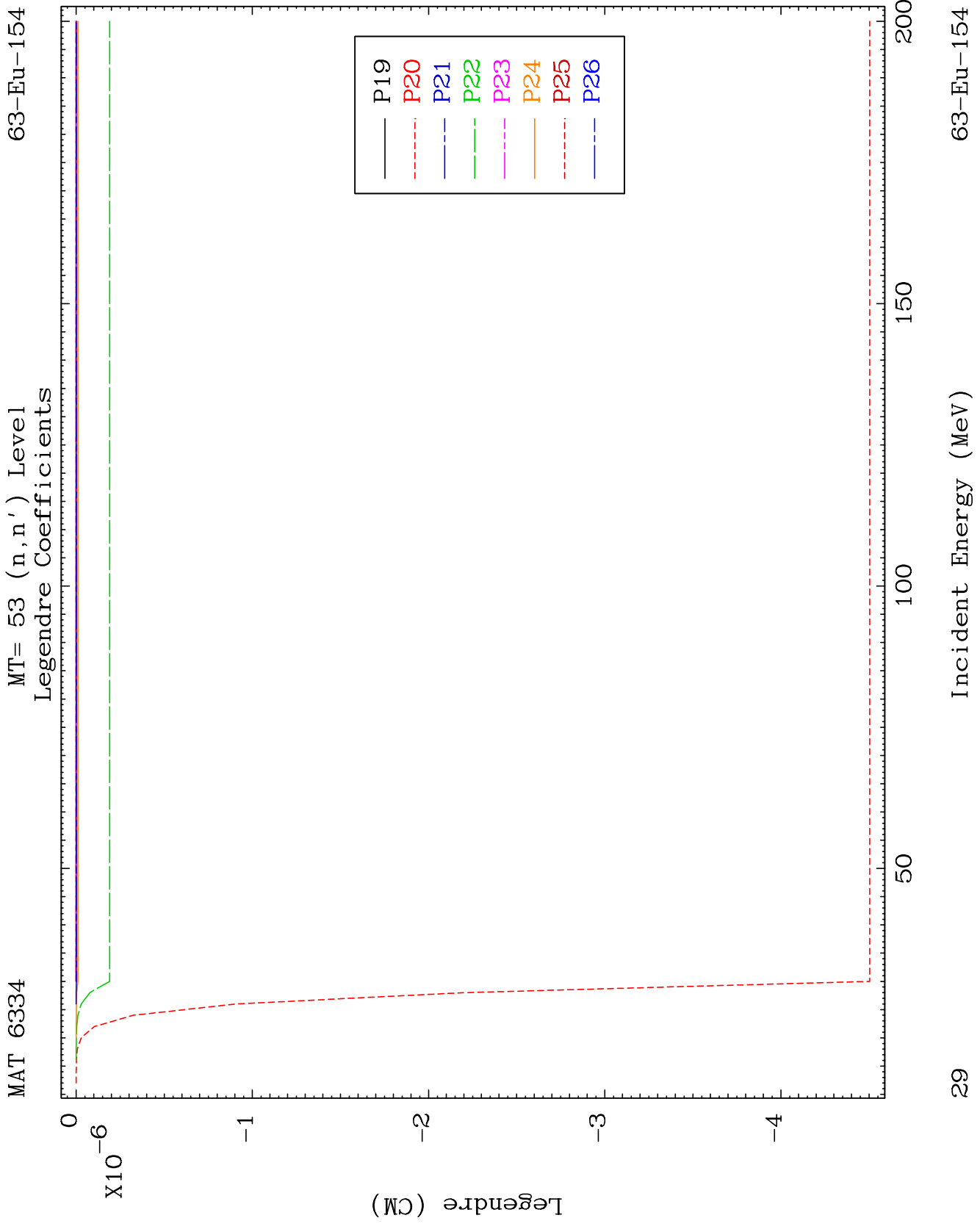
63-Eu-154



63-Eu-154

Incident Energy (MeV)

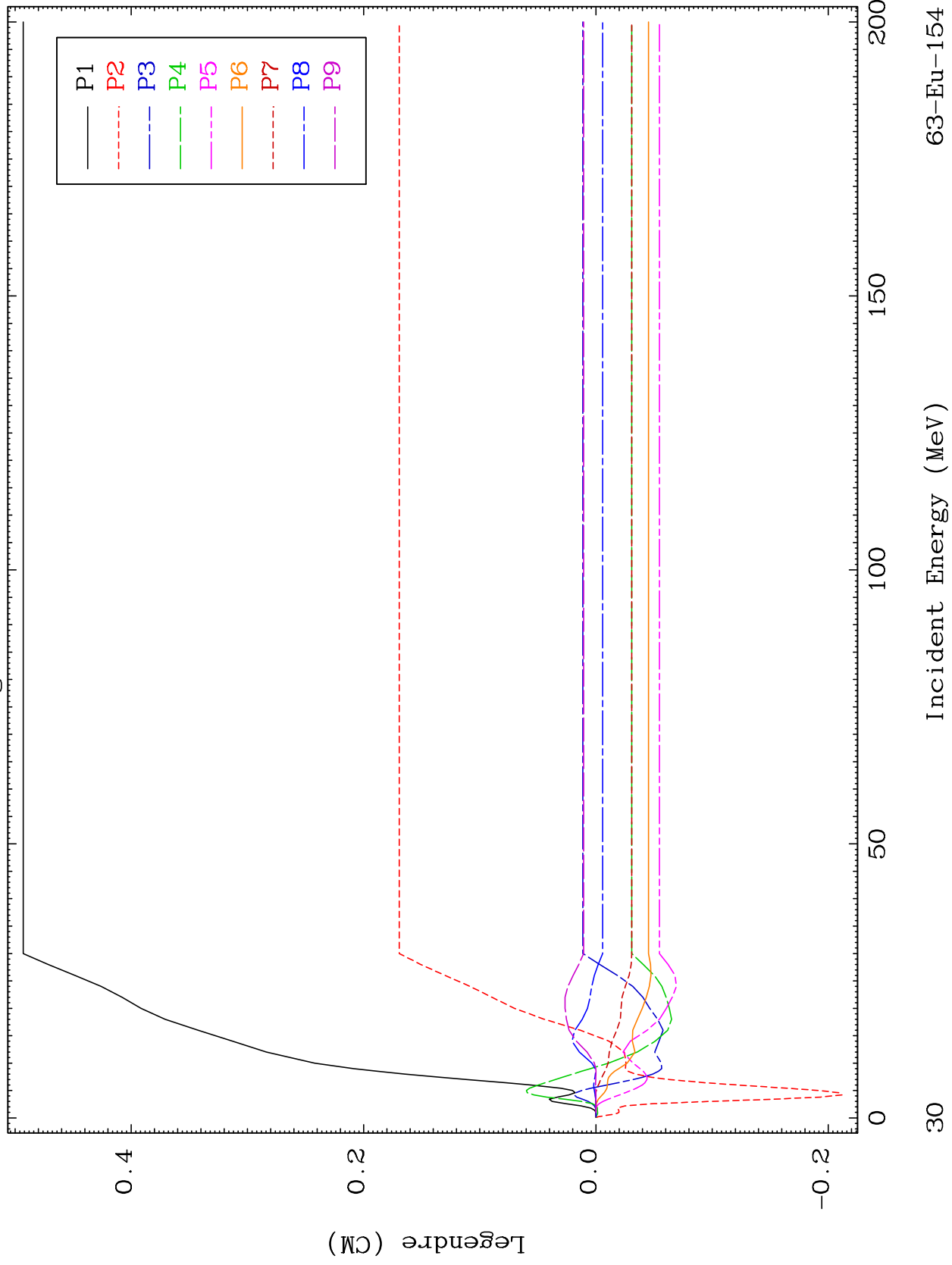
28



MAT 6334

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

63-Eu-154

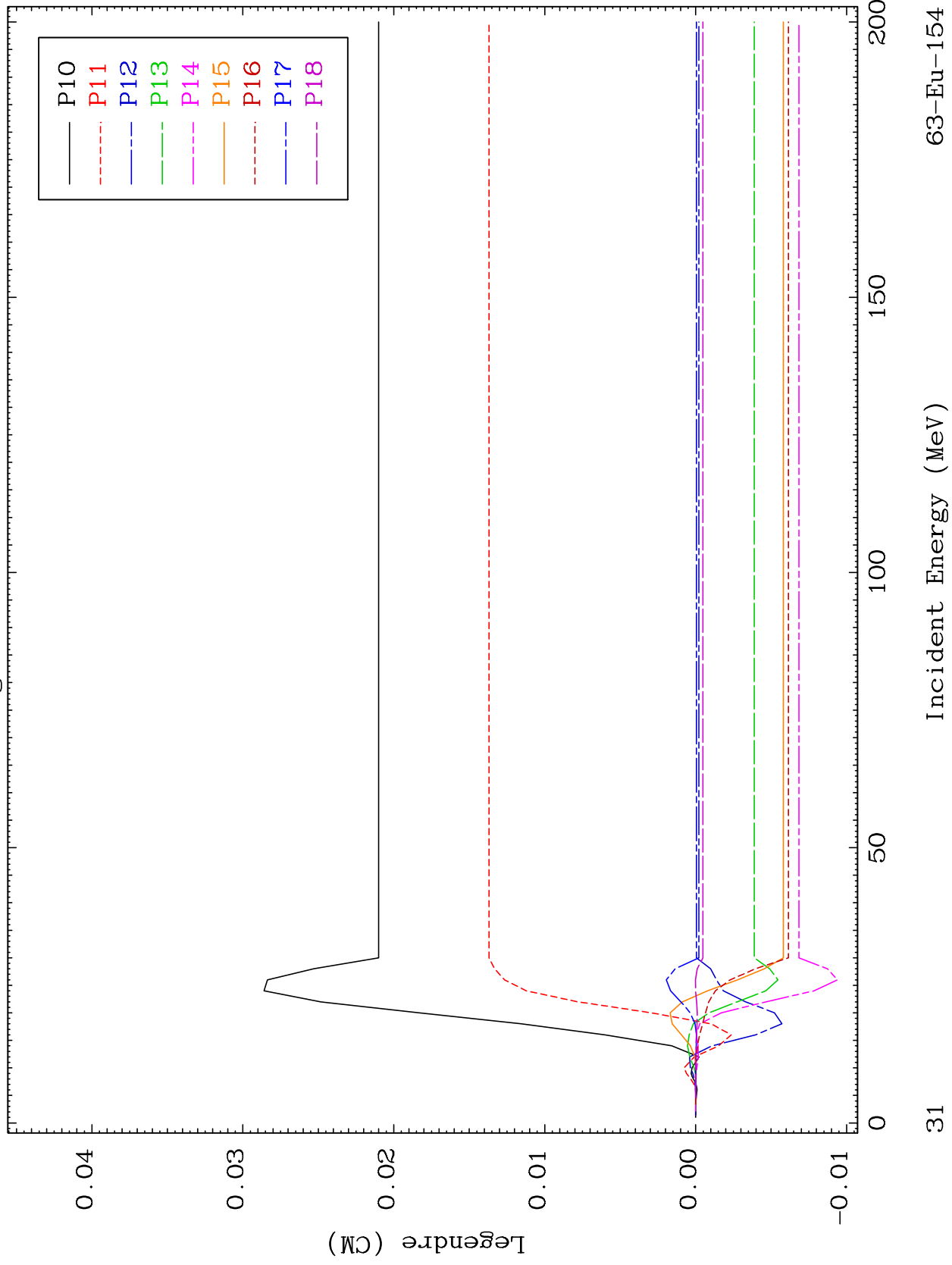


63-Eu-154

MAT 6334

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

63-Eu-154



31

Incident Energy (MeV)

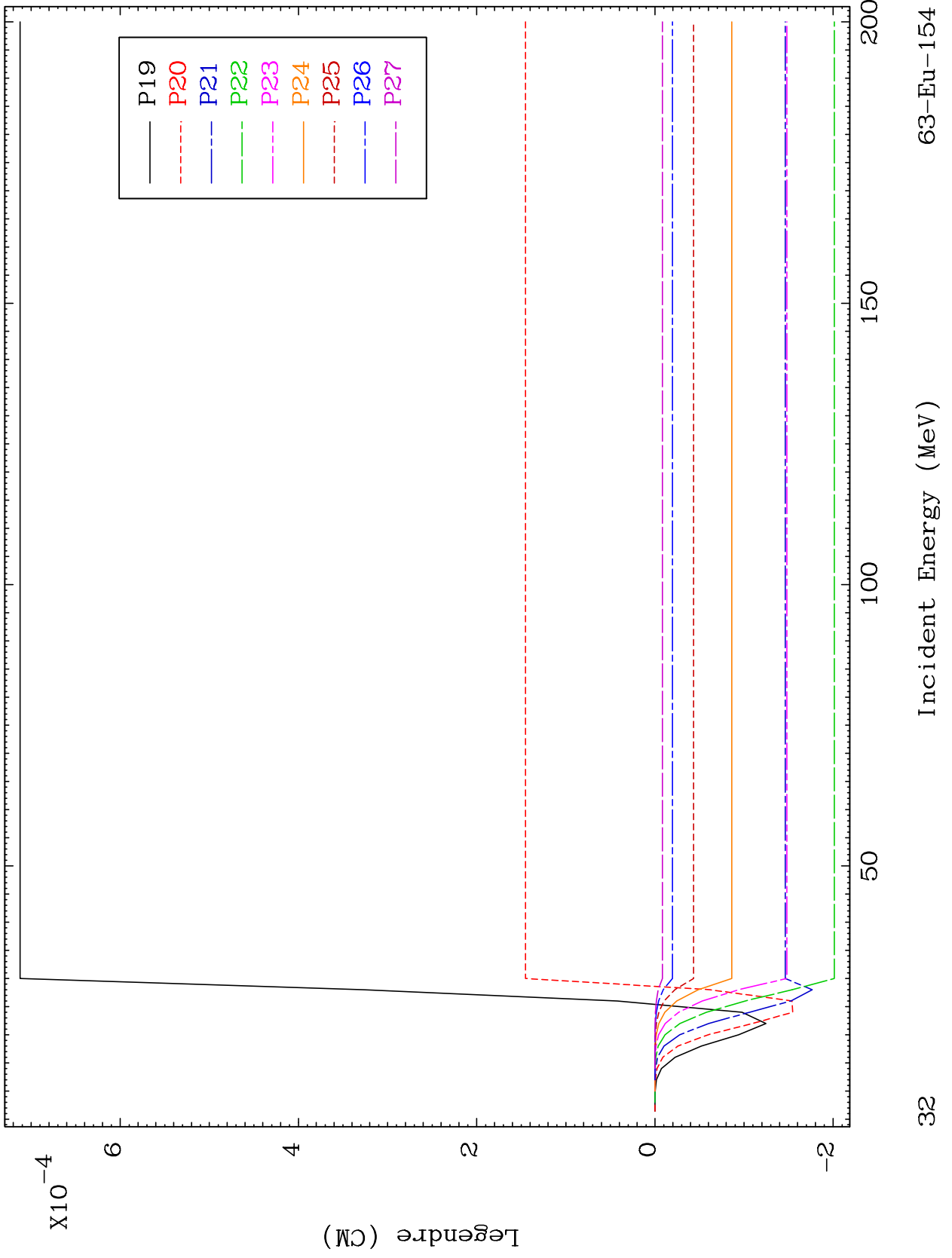
63-Eu-154



MAT 6334

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

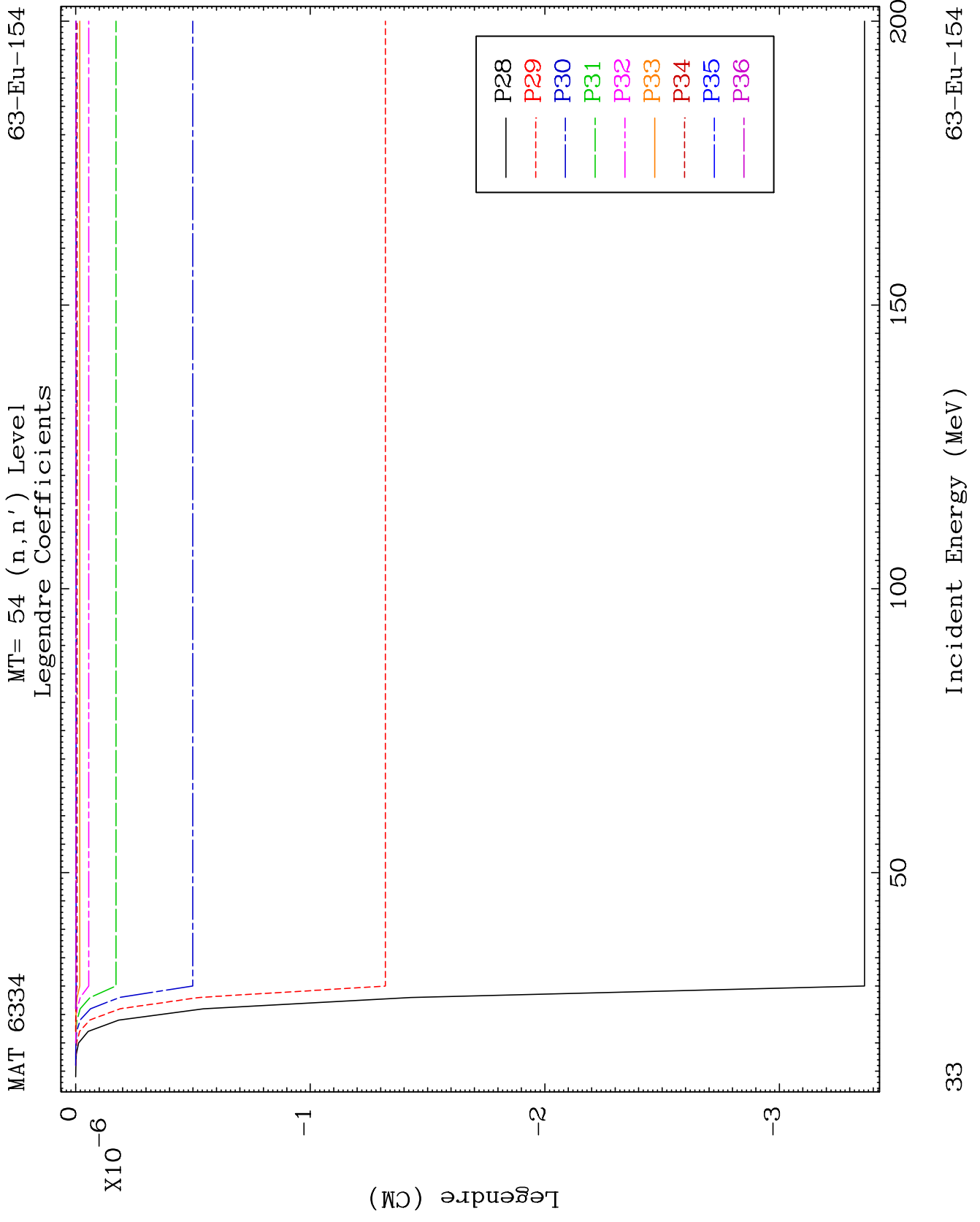
63-Eu-154



32

Incident Energy (MeV)

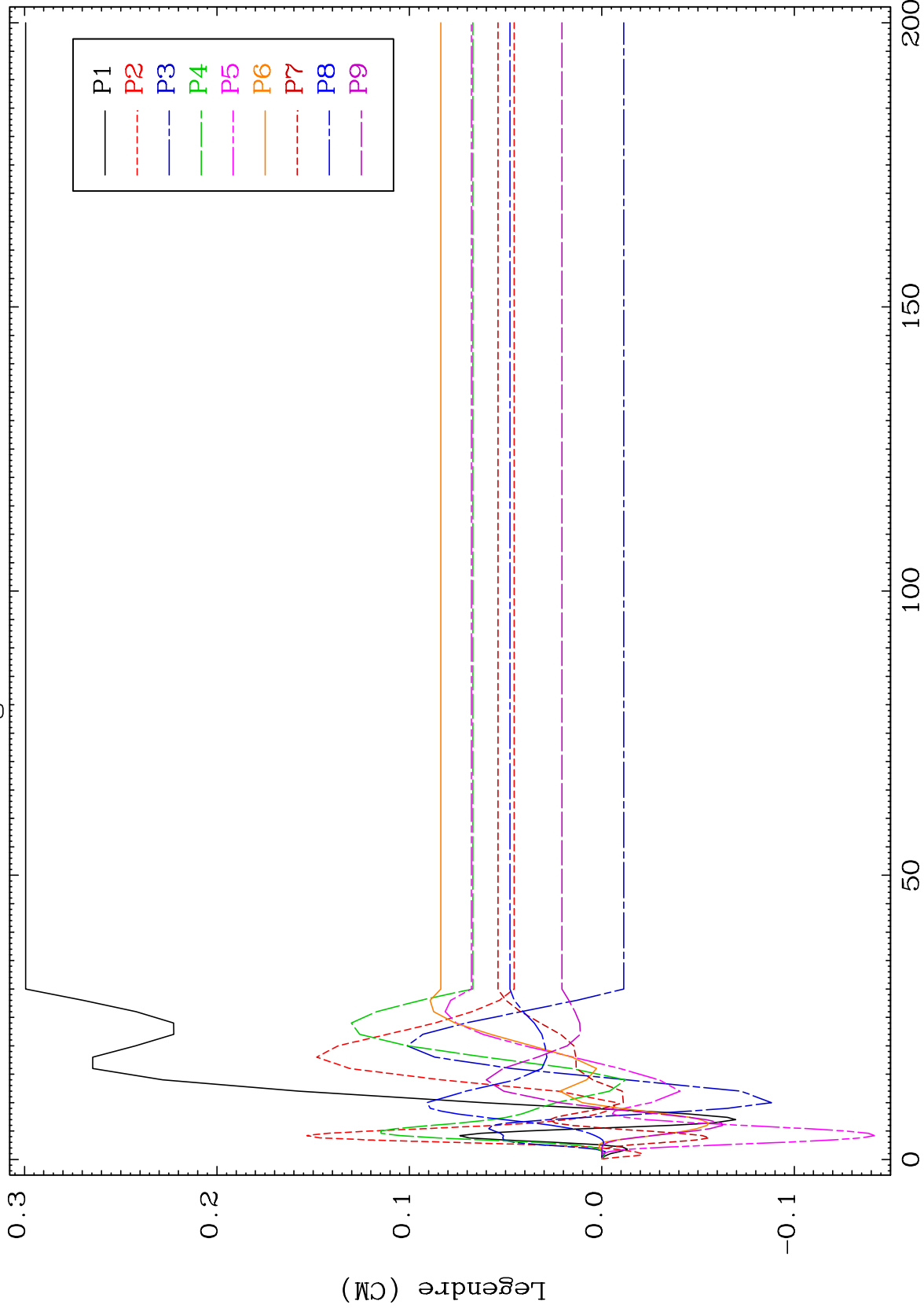
63-Eu-154



MAT 6334

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

63-Eu-154



34

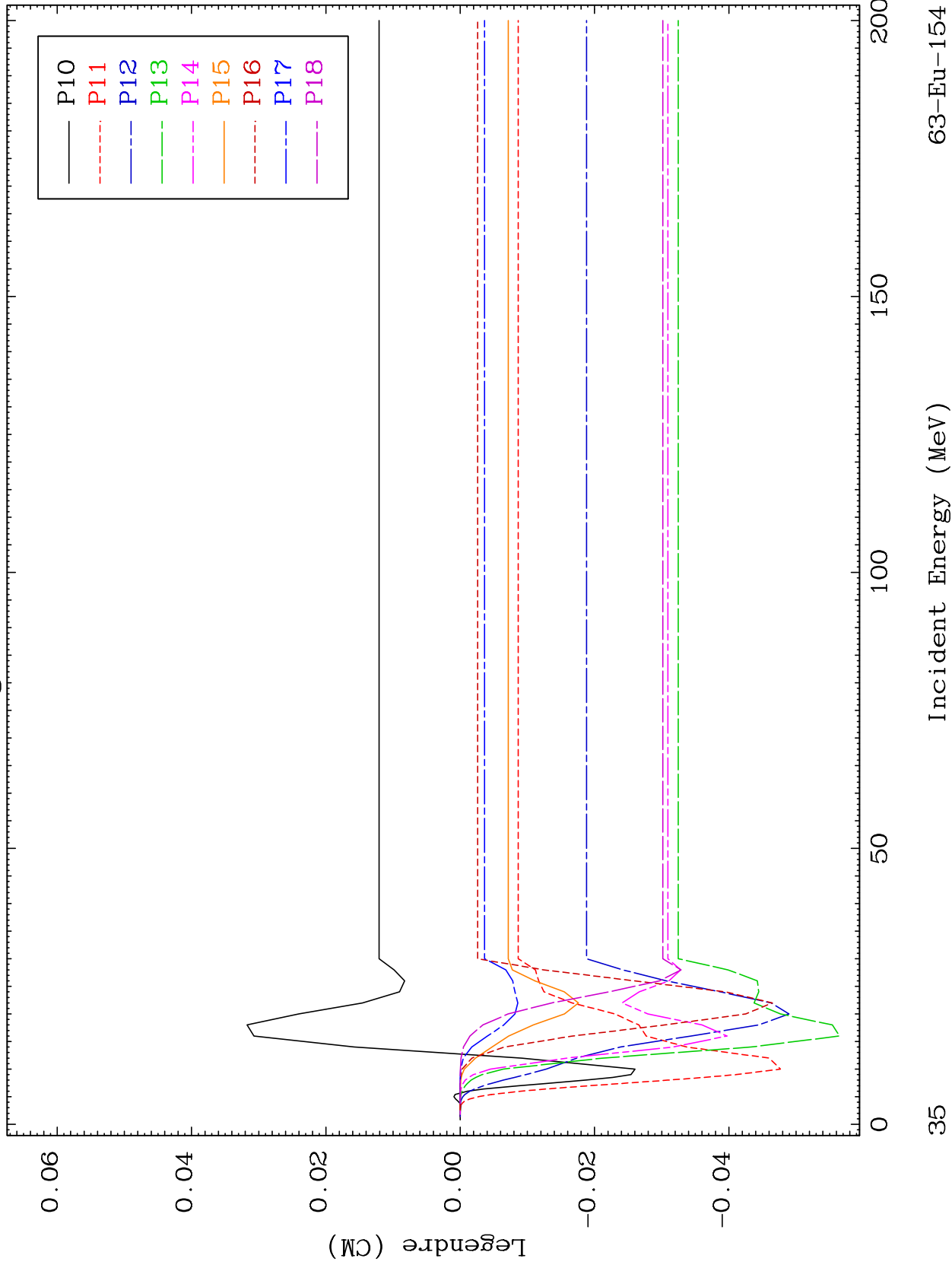
Incident Energy (MeV)

63-Eu-154

MAT 6334

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

63-Eu-154



63-Eu-154

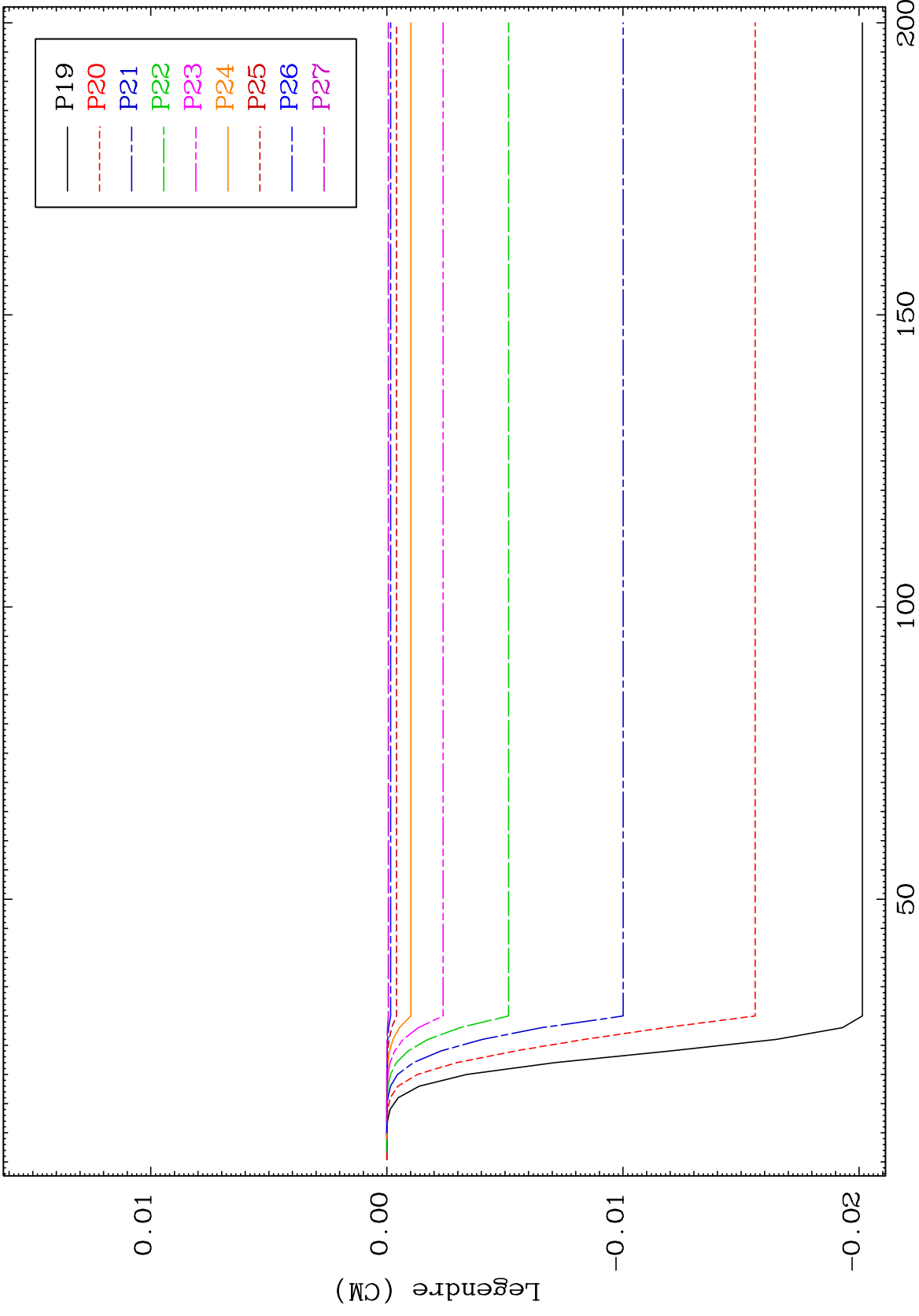
Incident Energy (MeV)

35

MAT 6334

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

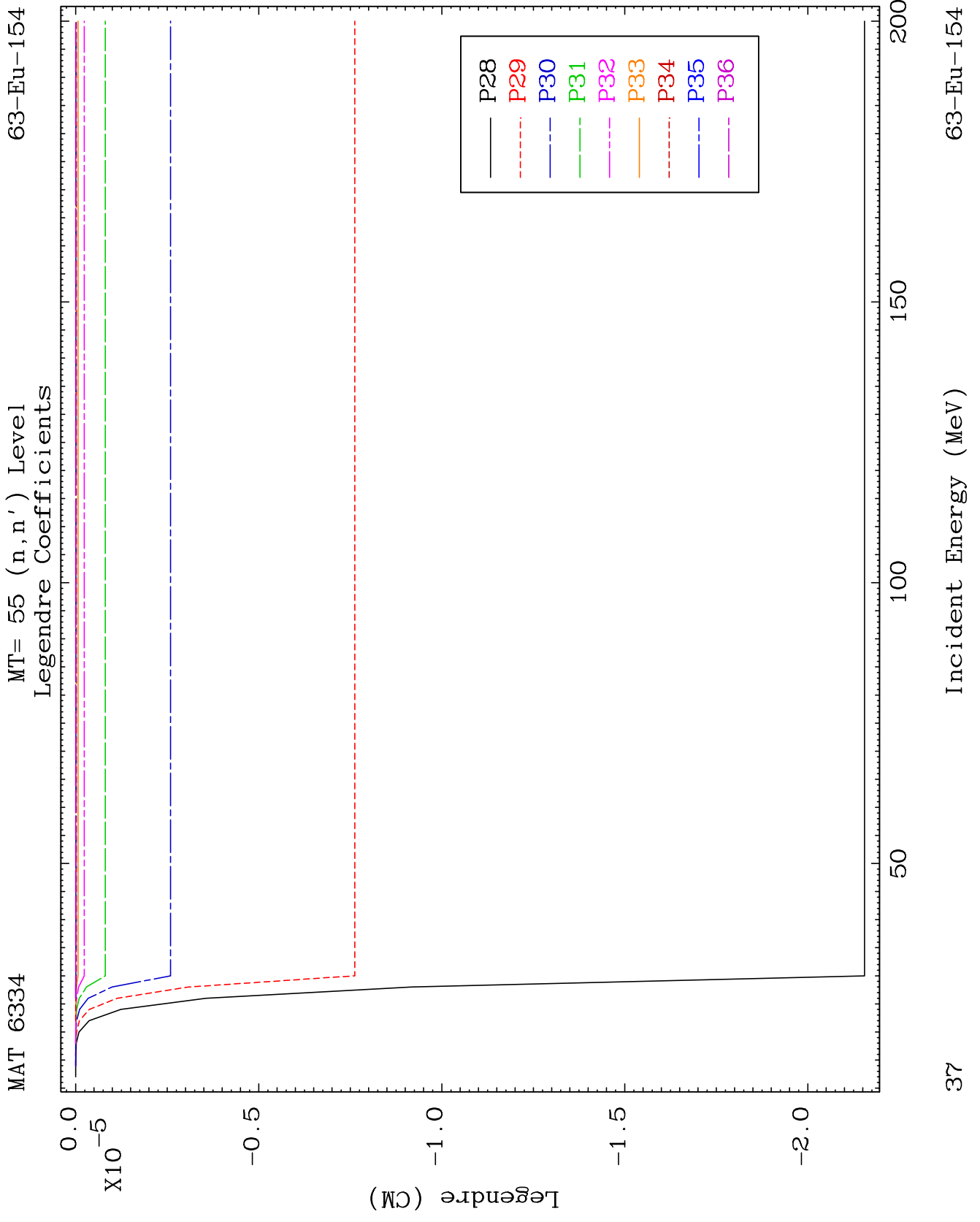
63-Eu-154



36

Incident Energy (MeV)

63-Eu-154

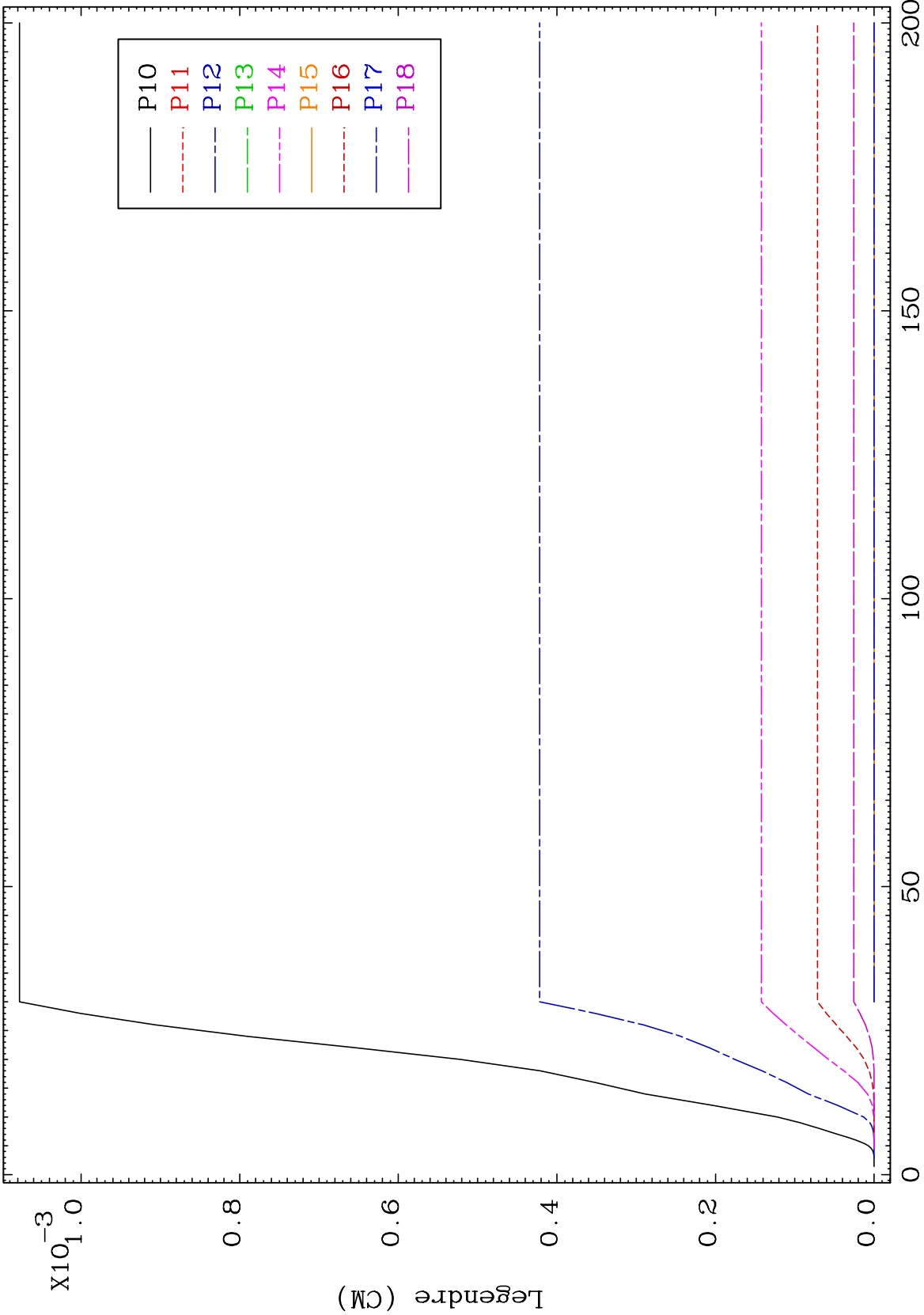




MAT 6334

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

63-Eu-154

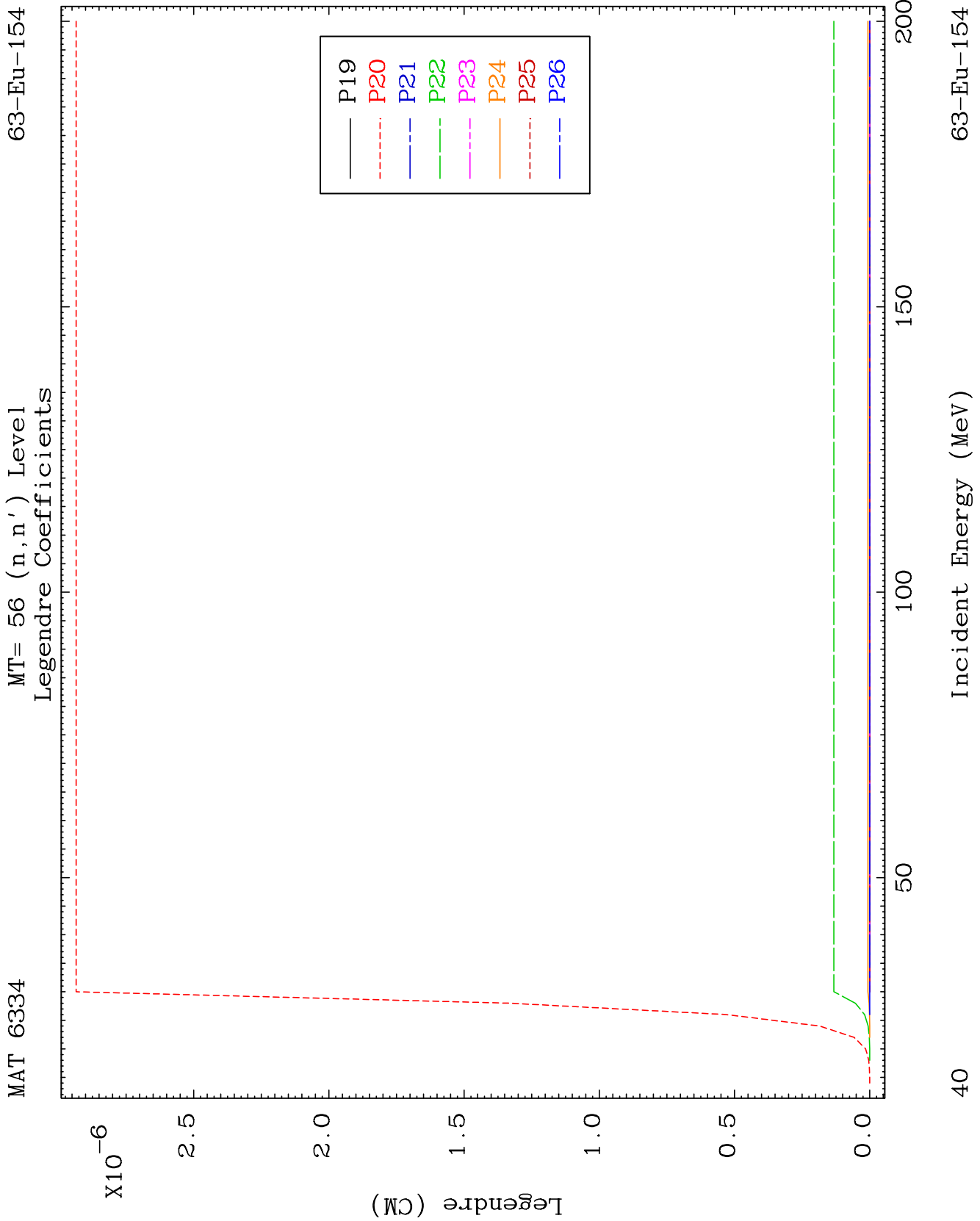


39

Incident Energy (MeV)

63-Eu-154

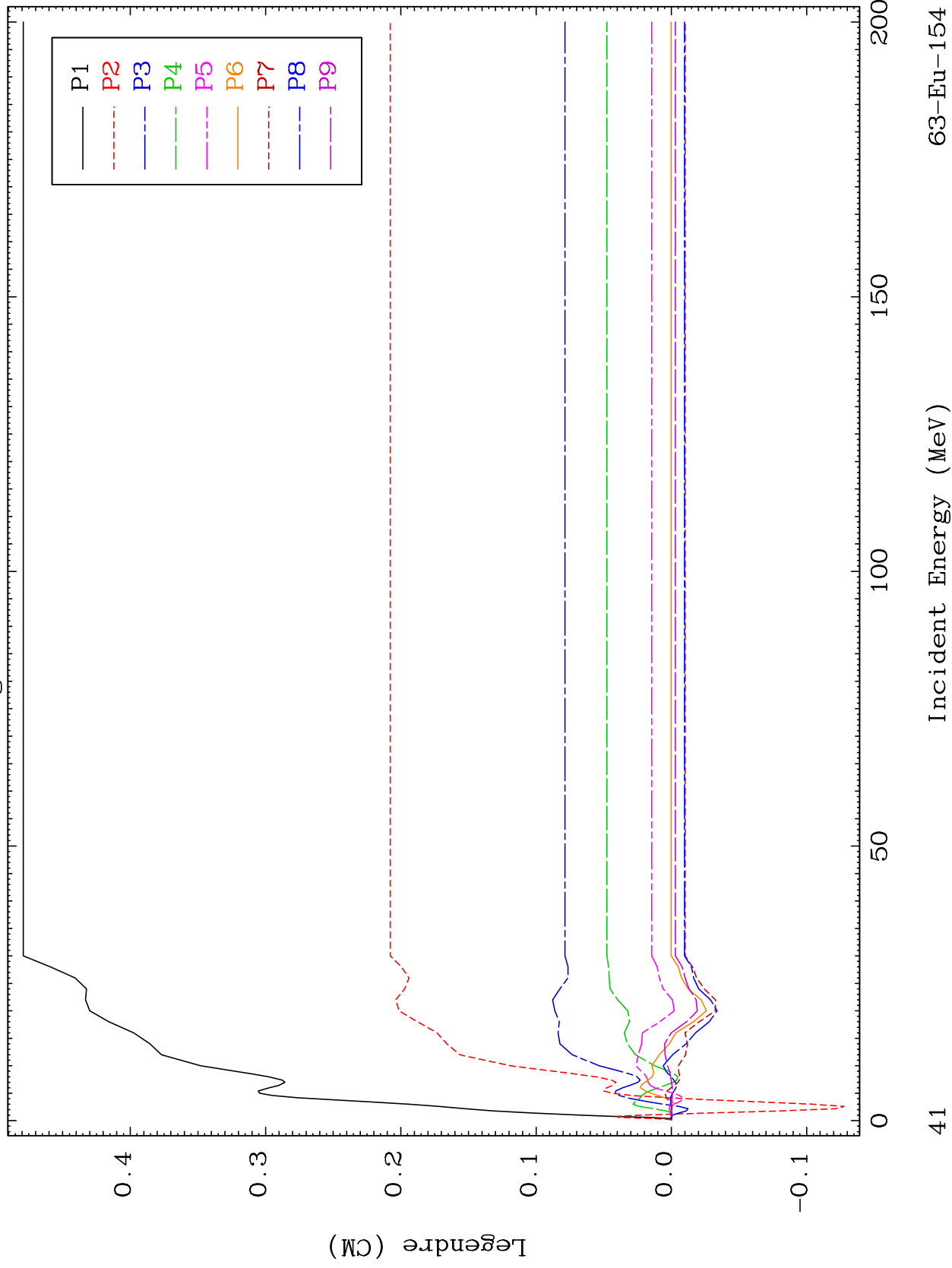




MAT 6334

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

63-Eu-154



63-Eu-154

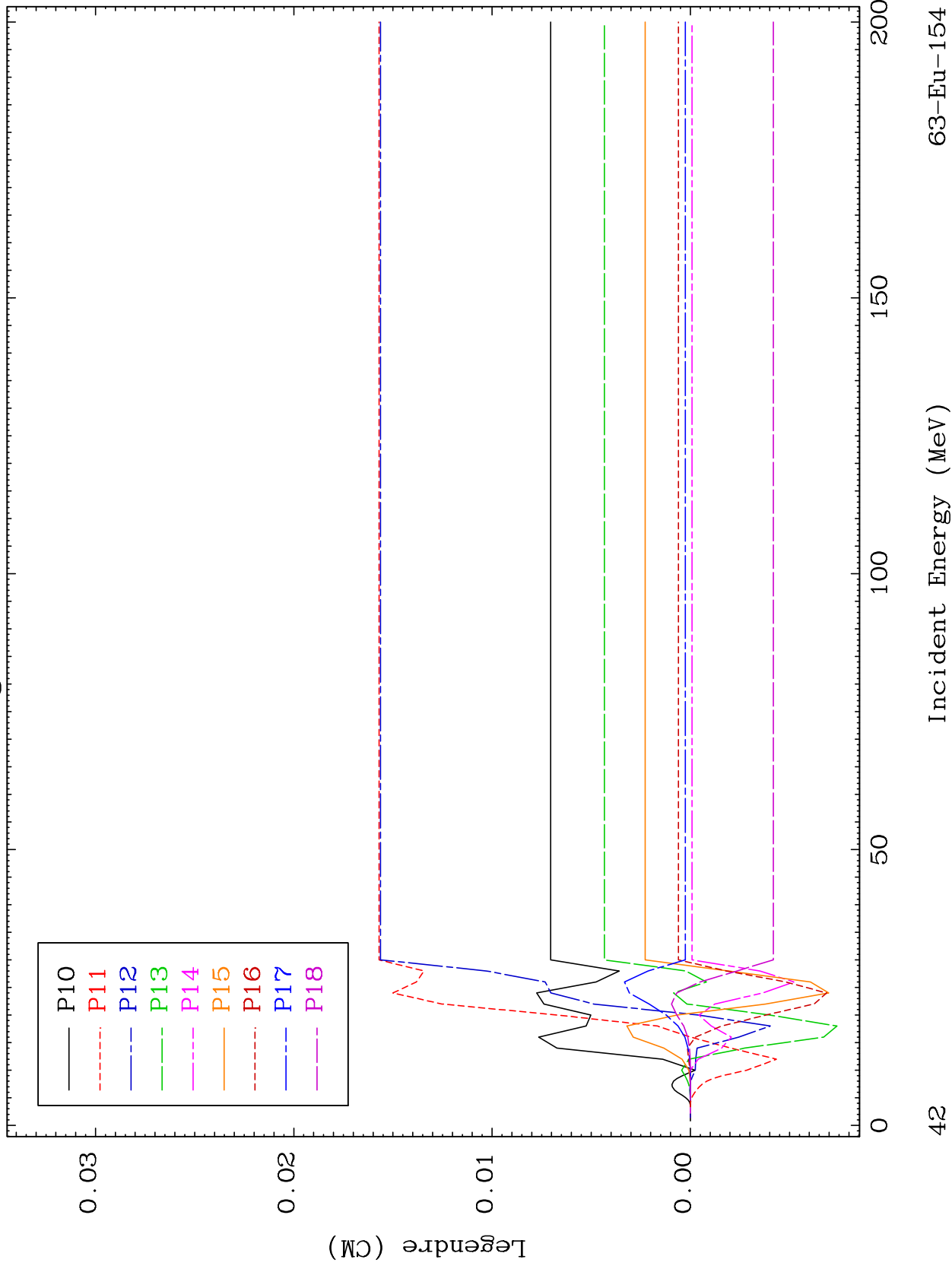
Incident Energy (MeV)

41

MAT 6334

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

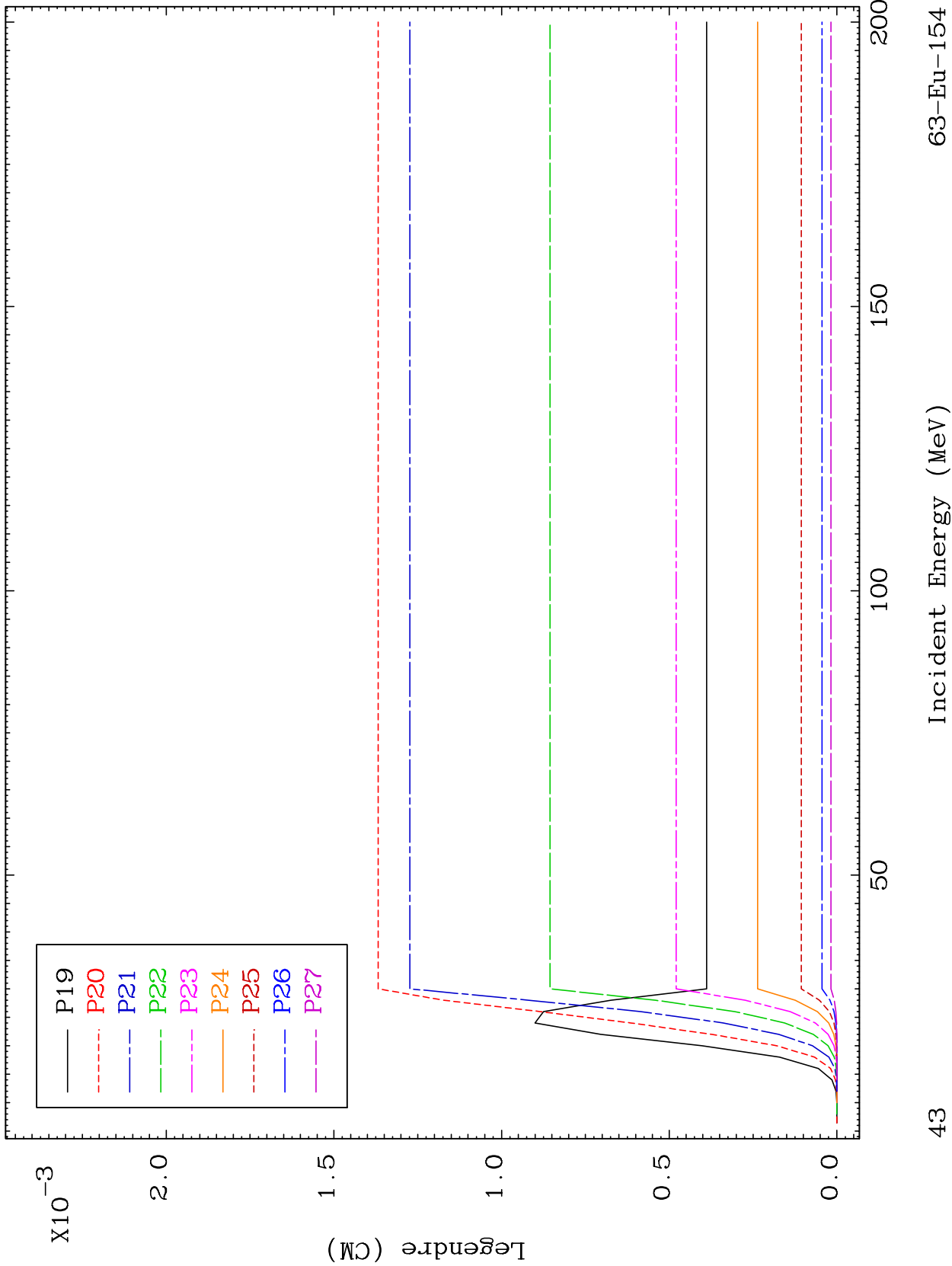
63-Eu-154



63-Eu-154

Incident Energy (MeV)

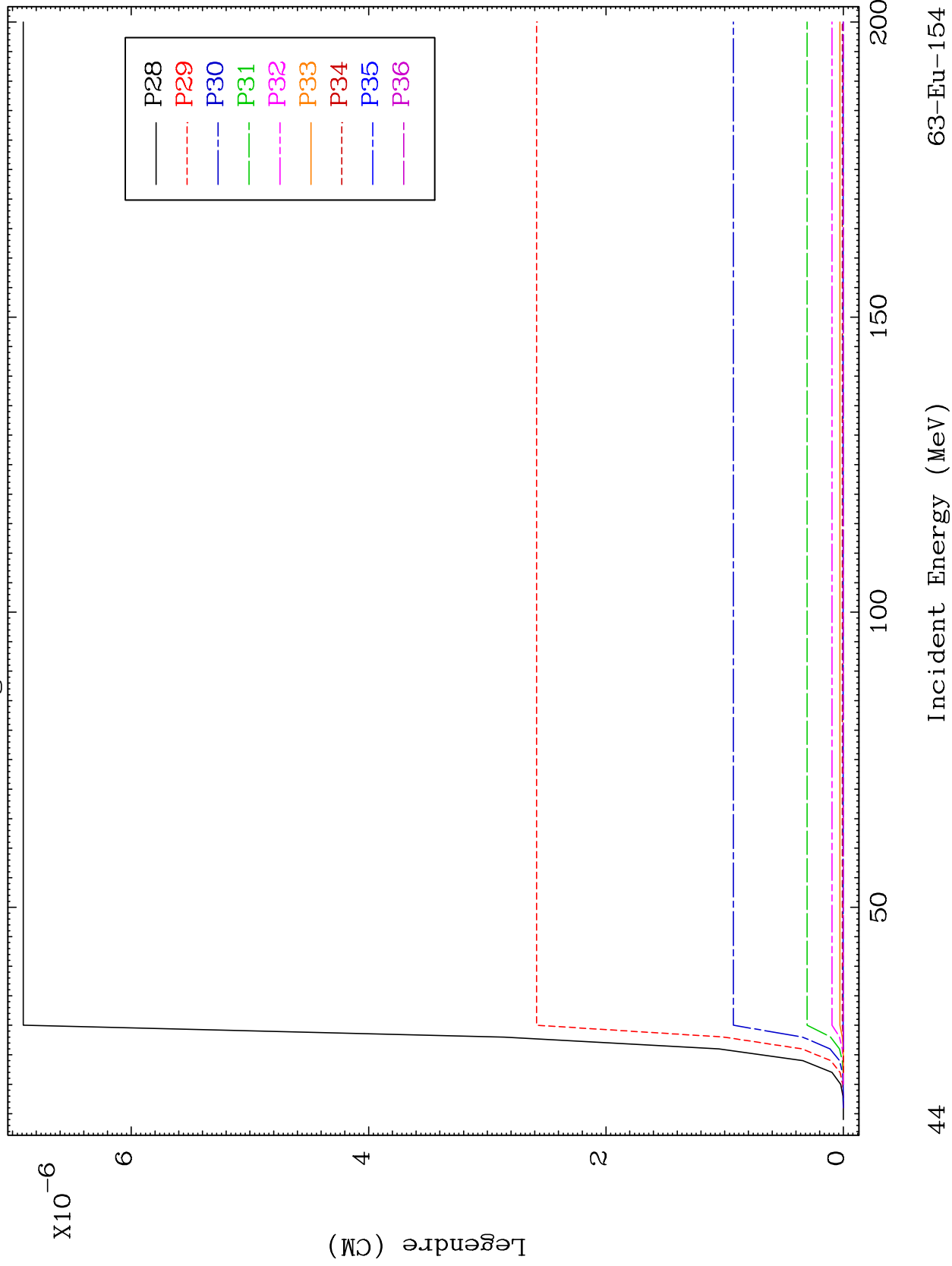
42



MAT 6334

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

63-Eu-154



44

Incident Energy (MeV)

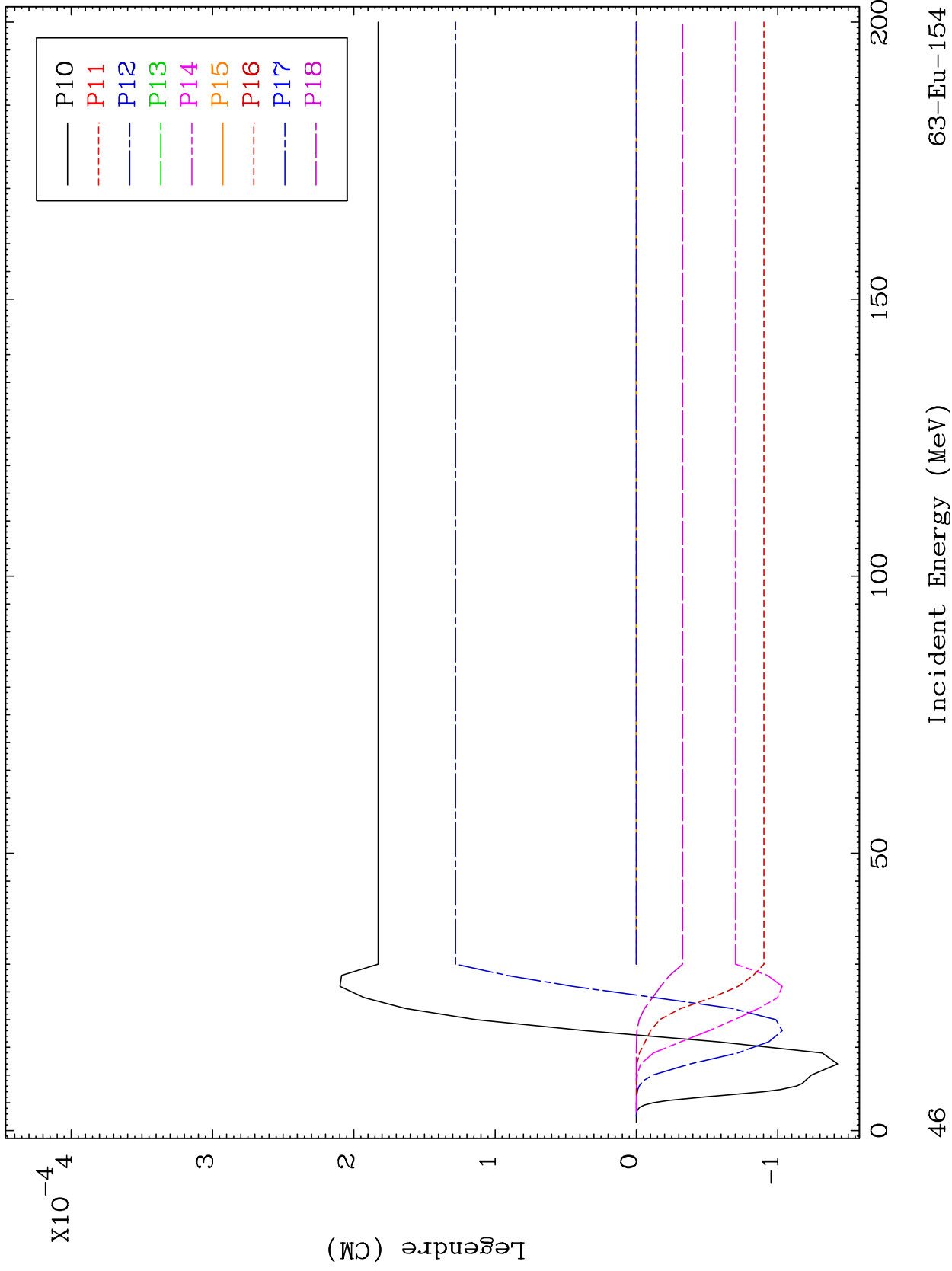
63-Eu-154



MAT 6334

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

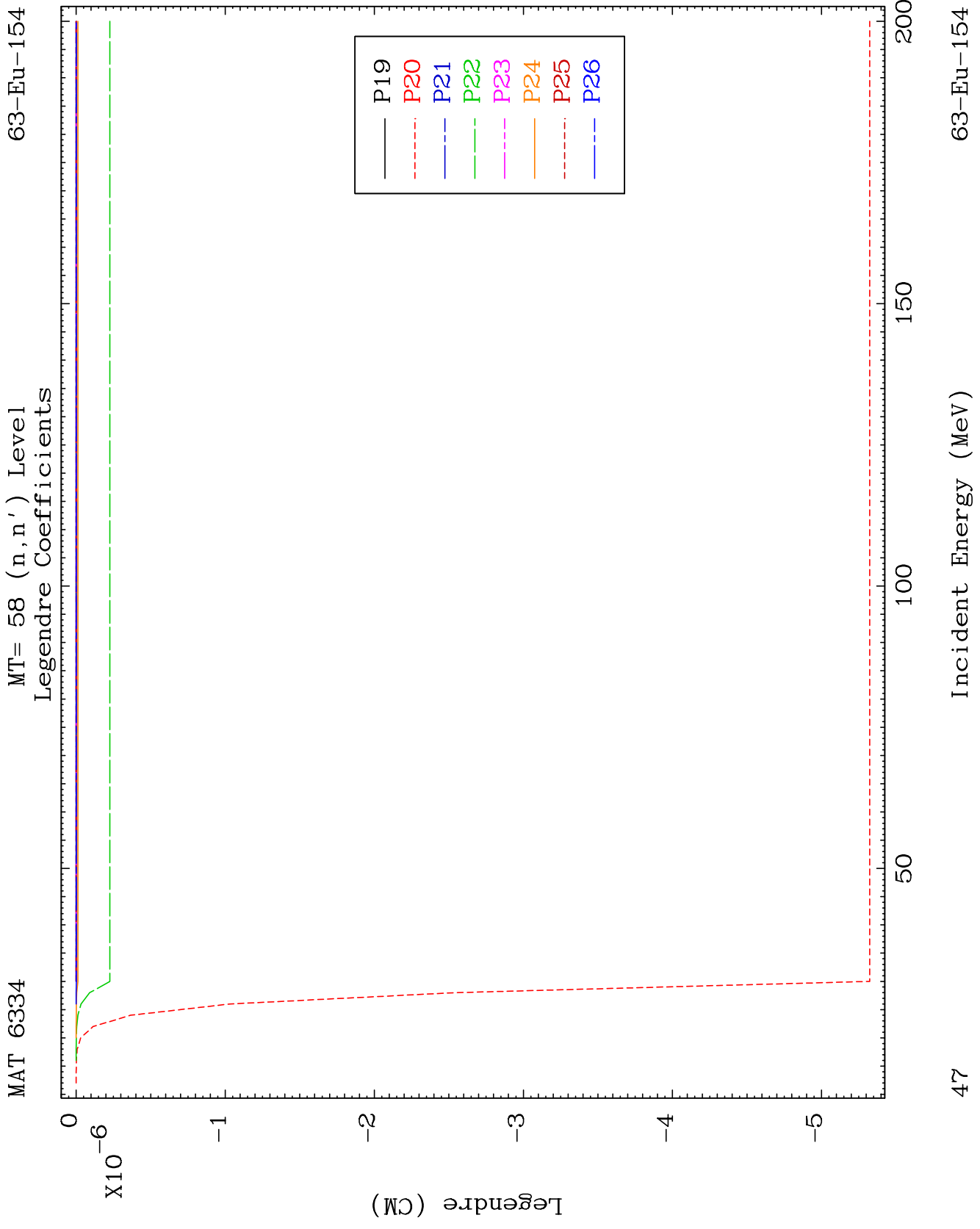
63-Eu-154



63-Eu-154

Incident Energy (MeV)

46

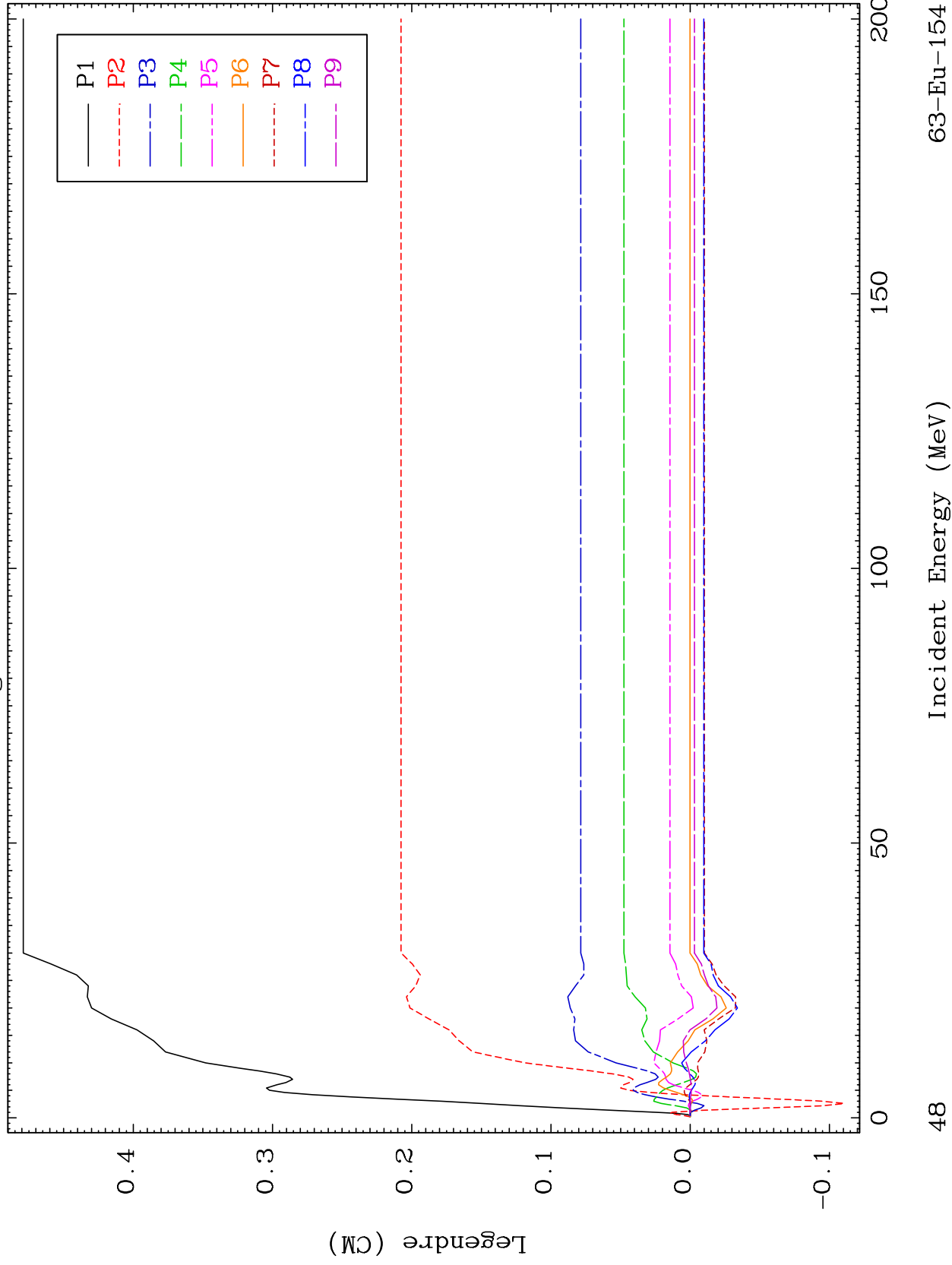




MAT 6334

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

63-Eu-154



63-Eu-154

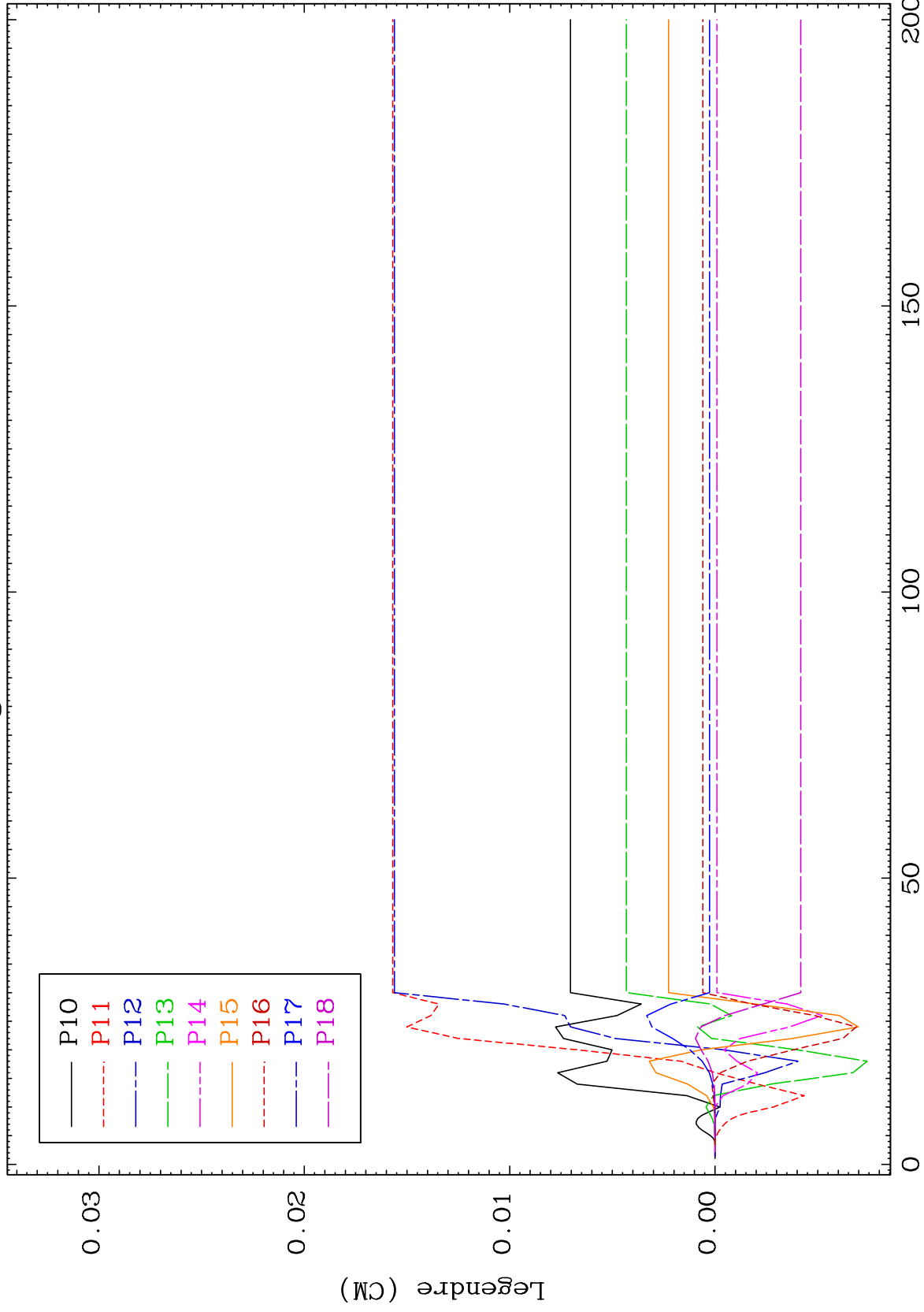
Incident Energy (MeV)

48

MAT 6334

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

63-Eu-154



49

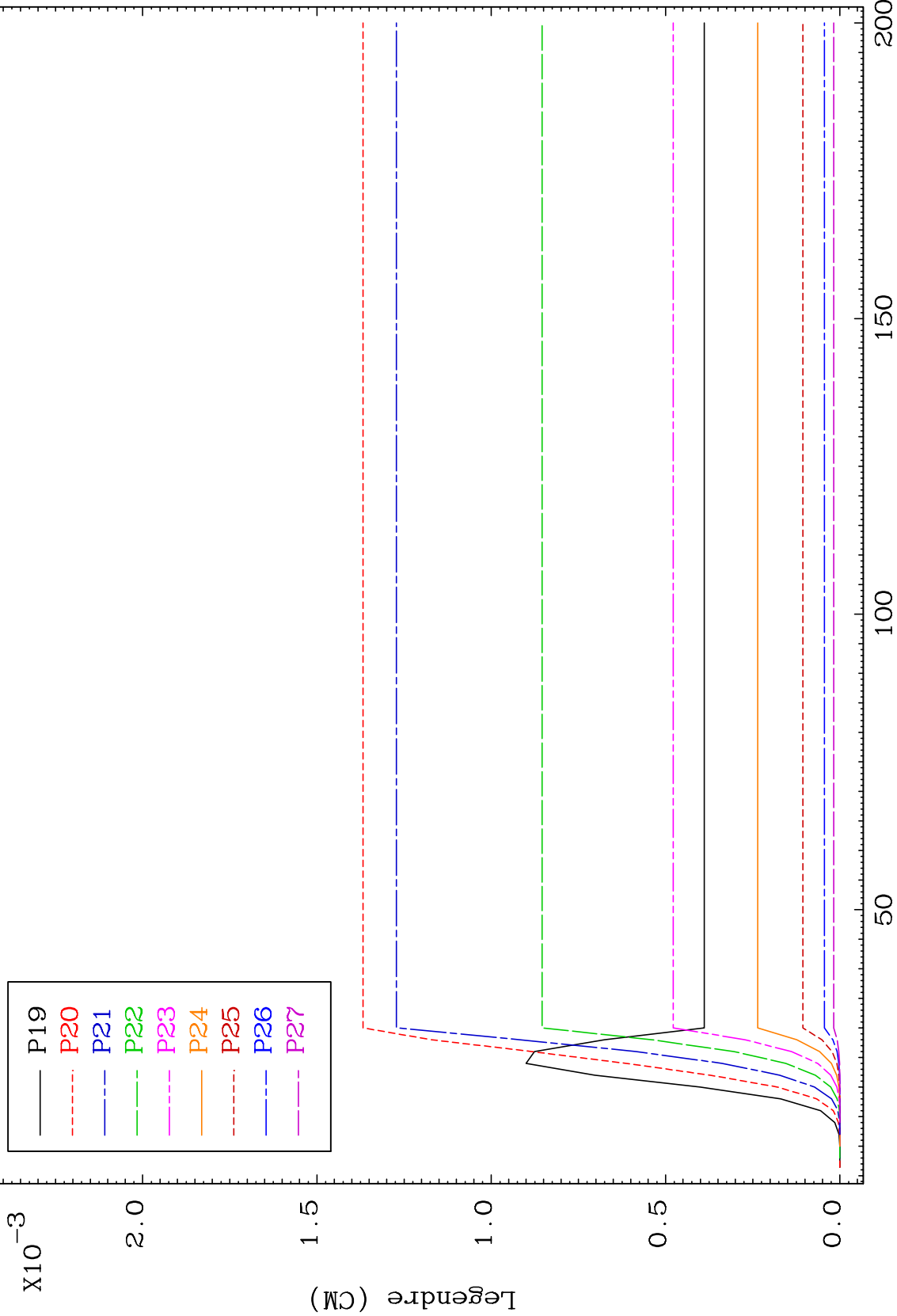
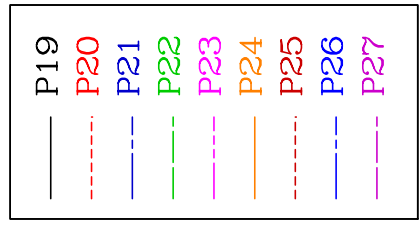
Incident Energy (MeV)

63-Eu-154

MAT 6334

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

63-Eu-154



63-Eu-154

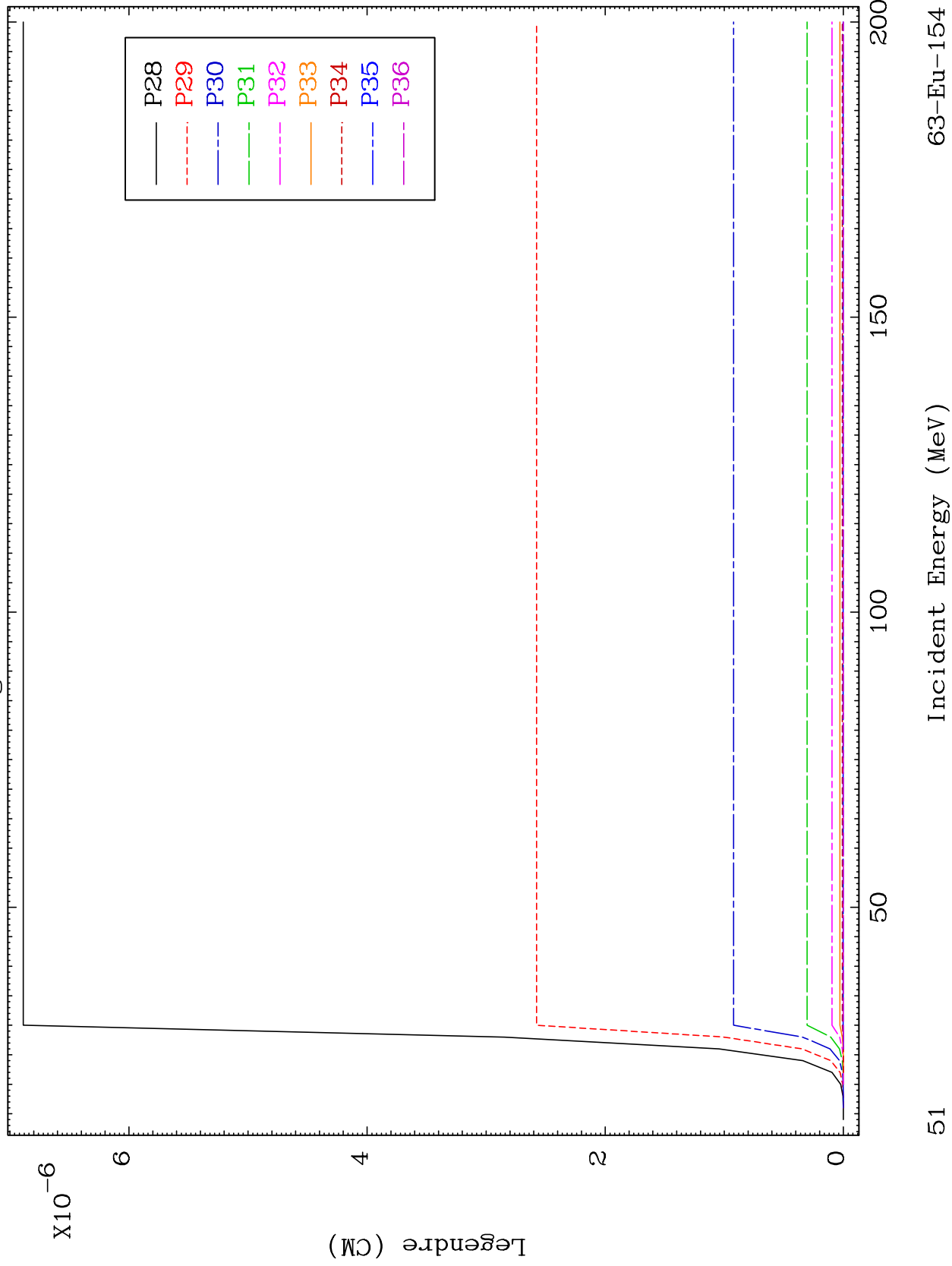
Incident Energy (MeV)

50

MAT 6334

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

63-Eu-154



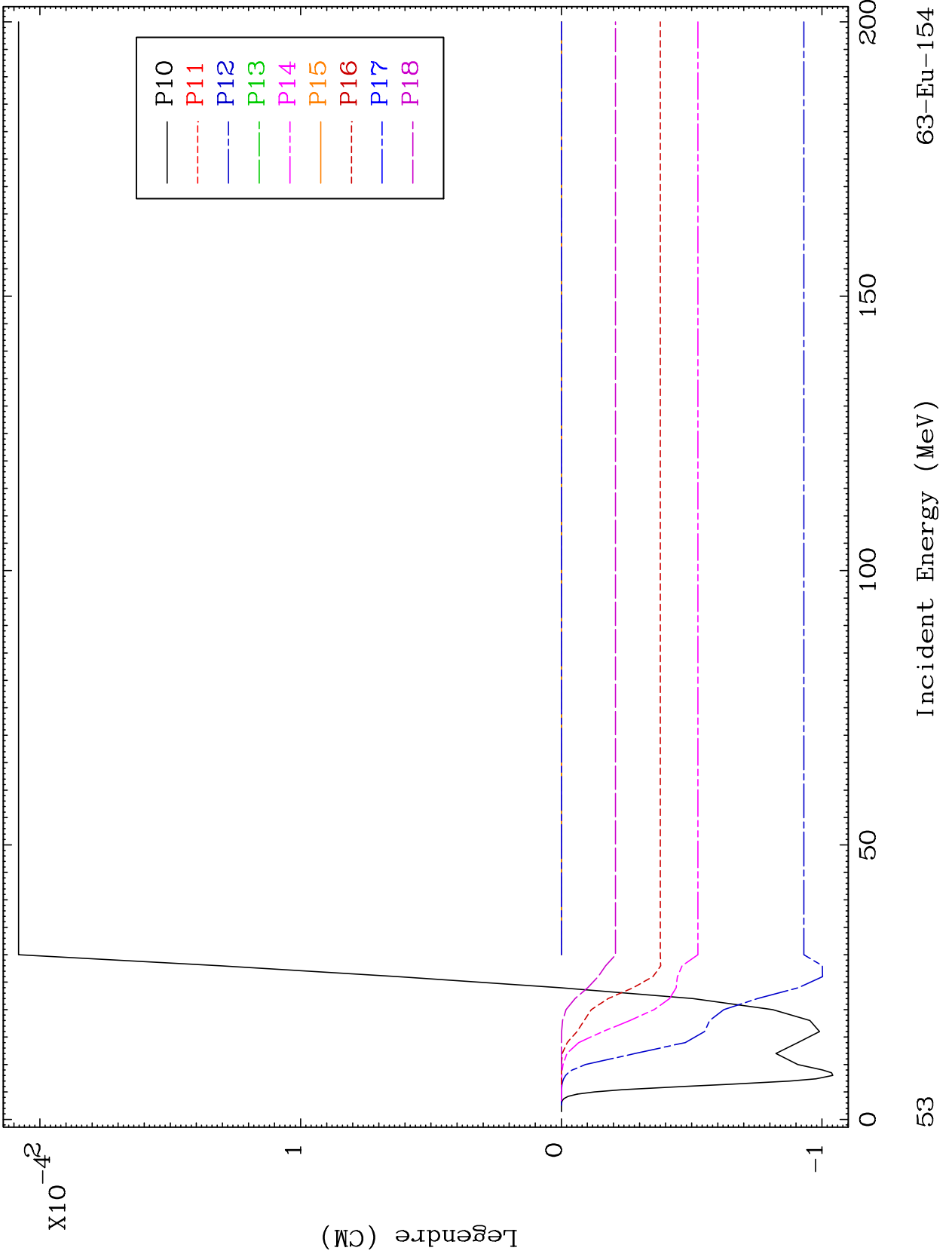
51



MAT 6334

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

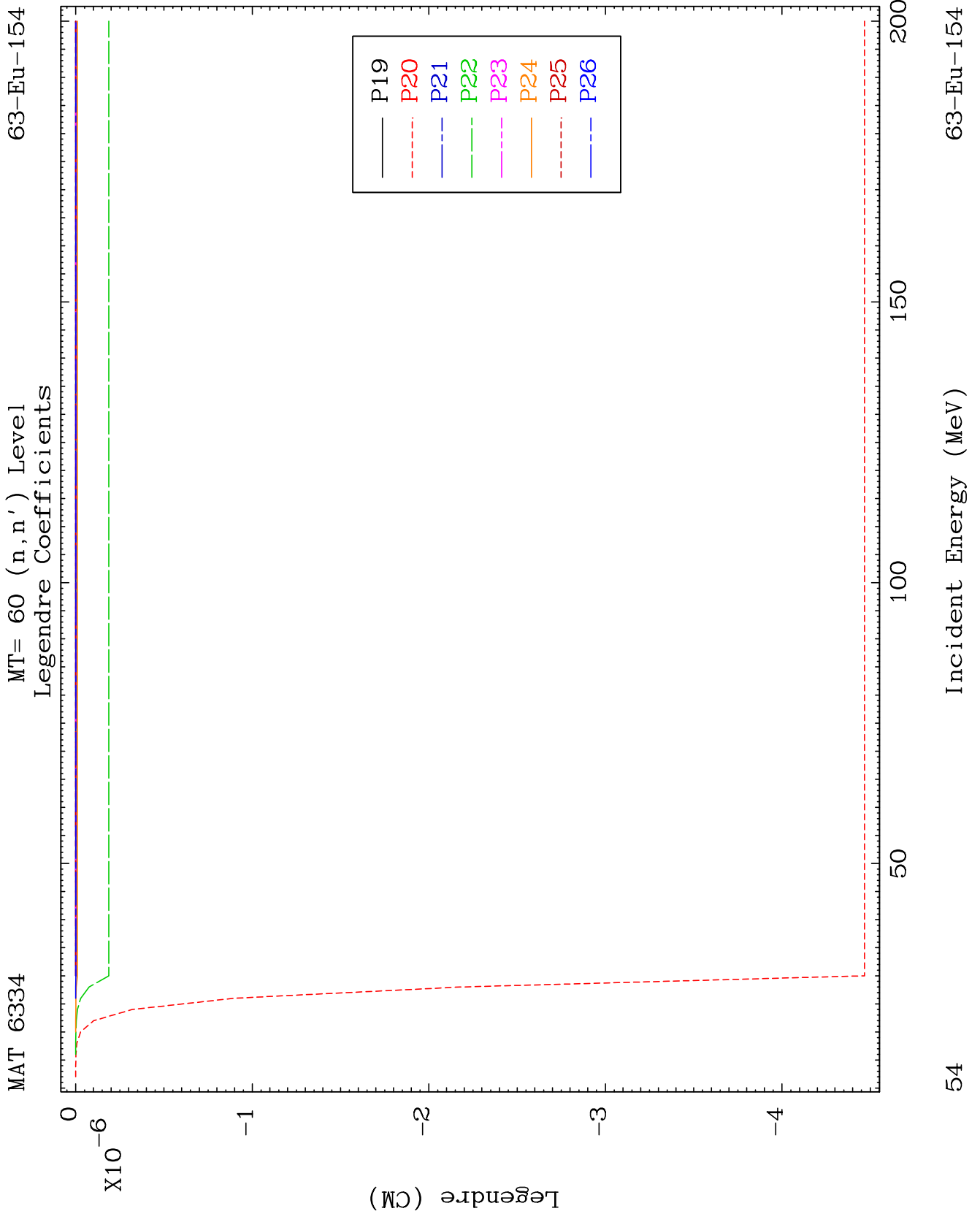
63-Eu-154



53

Incident Energy (MeV)

63-Eu-154



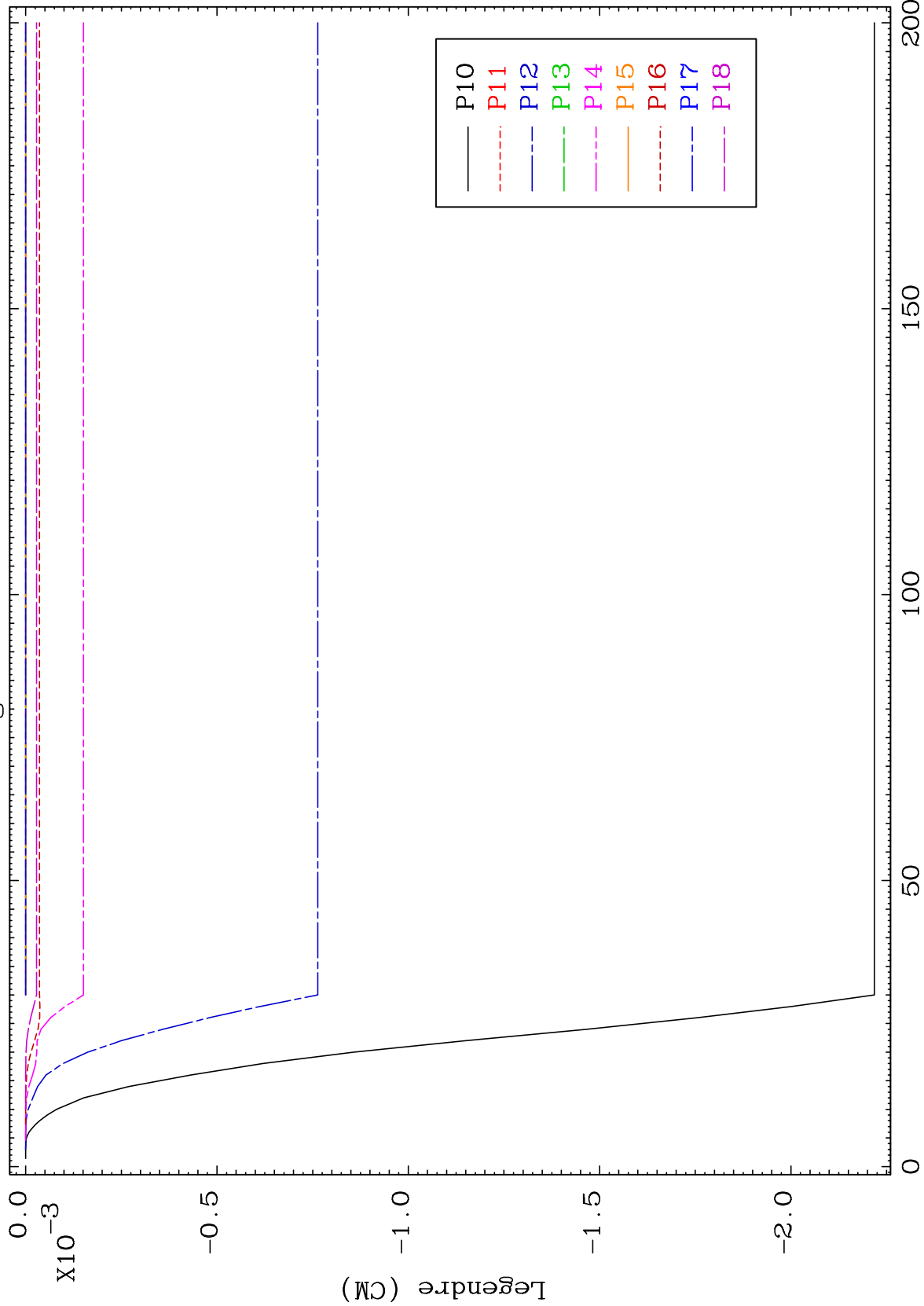




MAT 6334

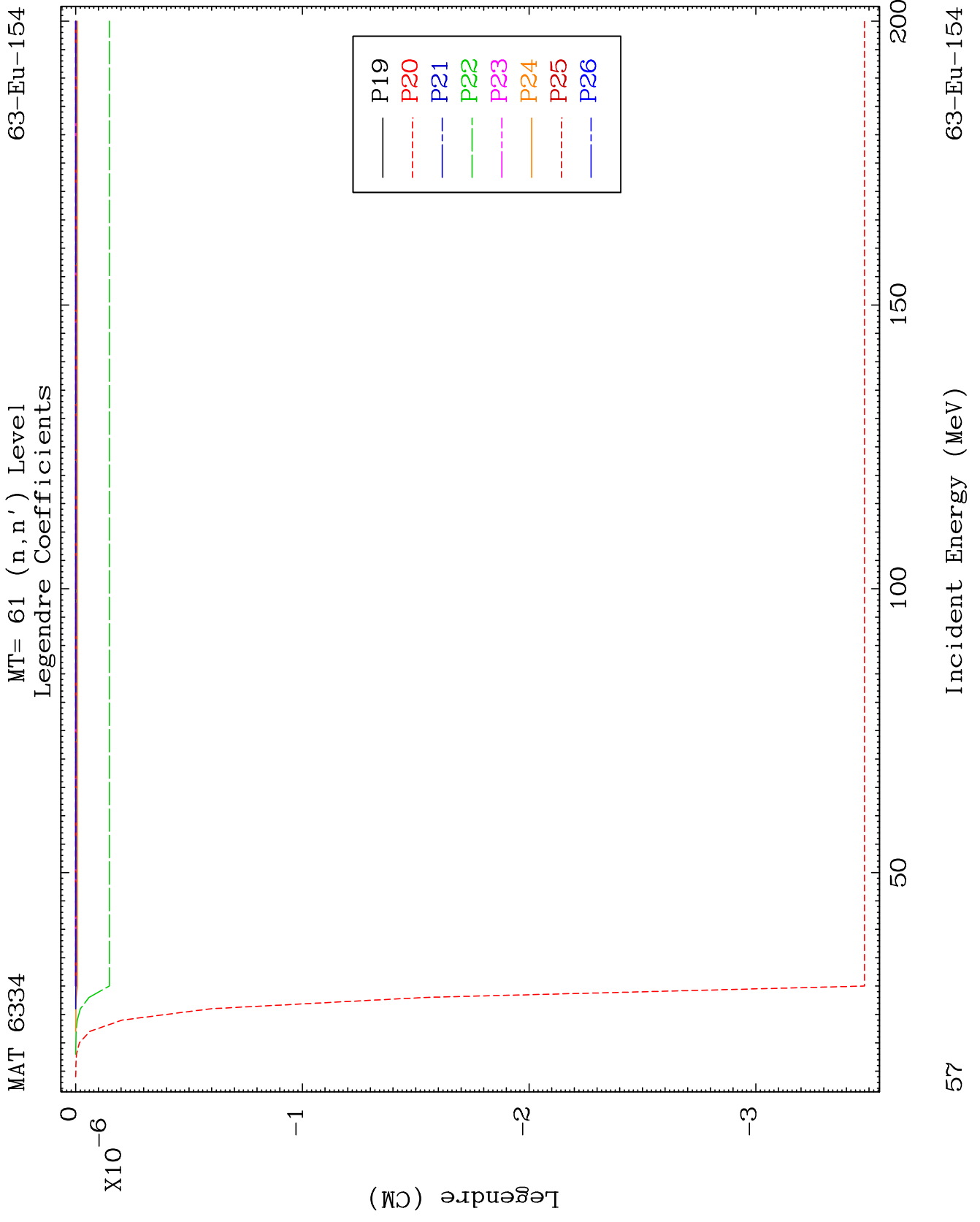
MT= 61 (n,n') Level  
Legendre Coefficients

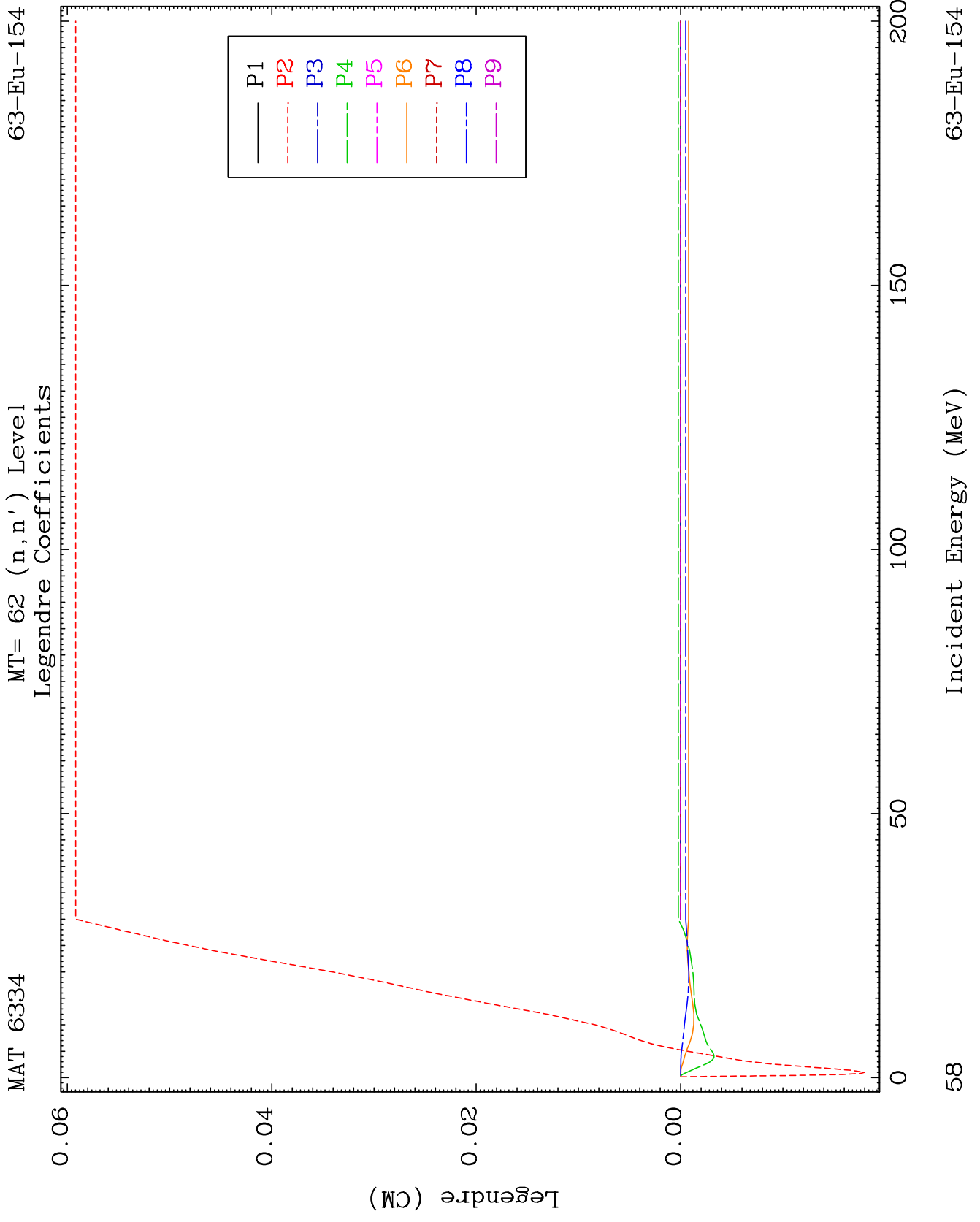
63-Eu-154



56

63-Eu-154



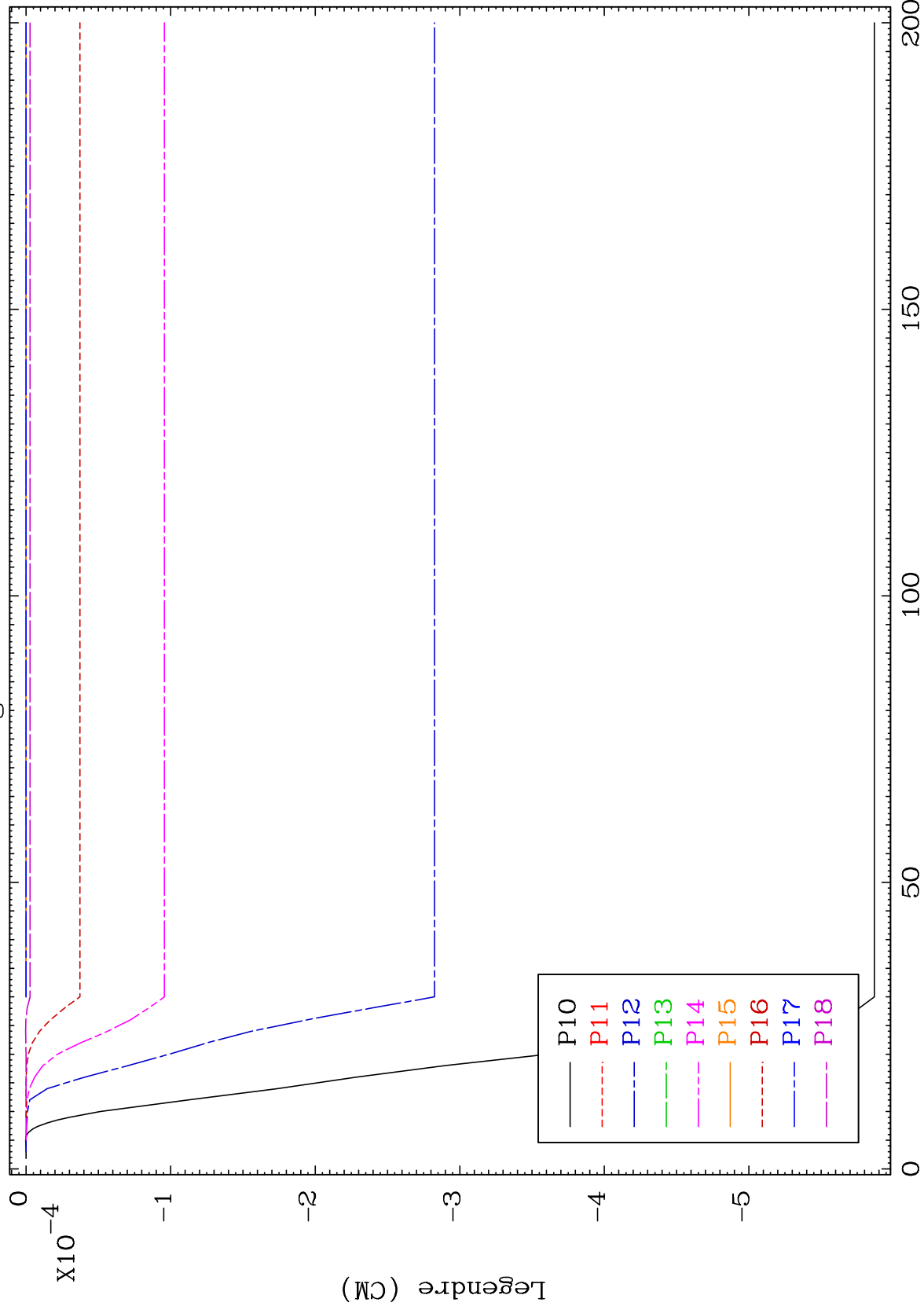


MAT 6334

MT= 62 (n,n') Level

63-Eu-154

Legendre Coefficients



63-Eu-154

Incident Energy (MeV)

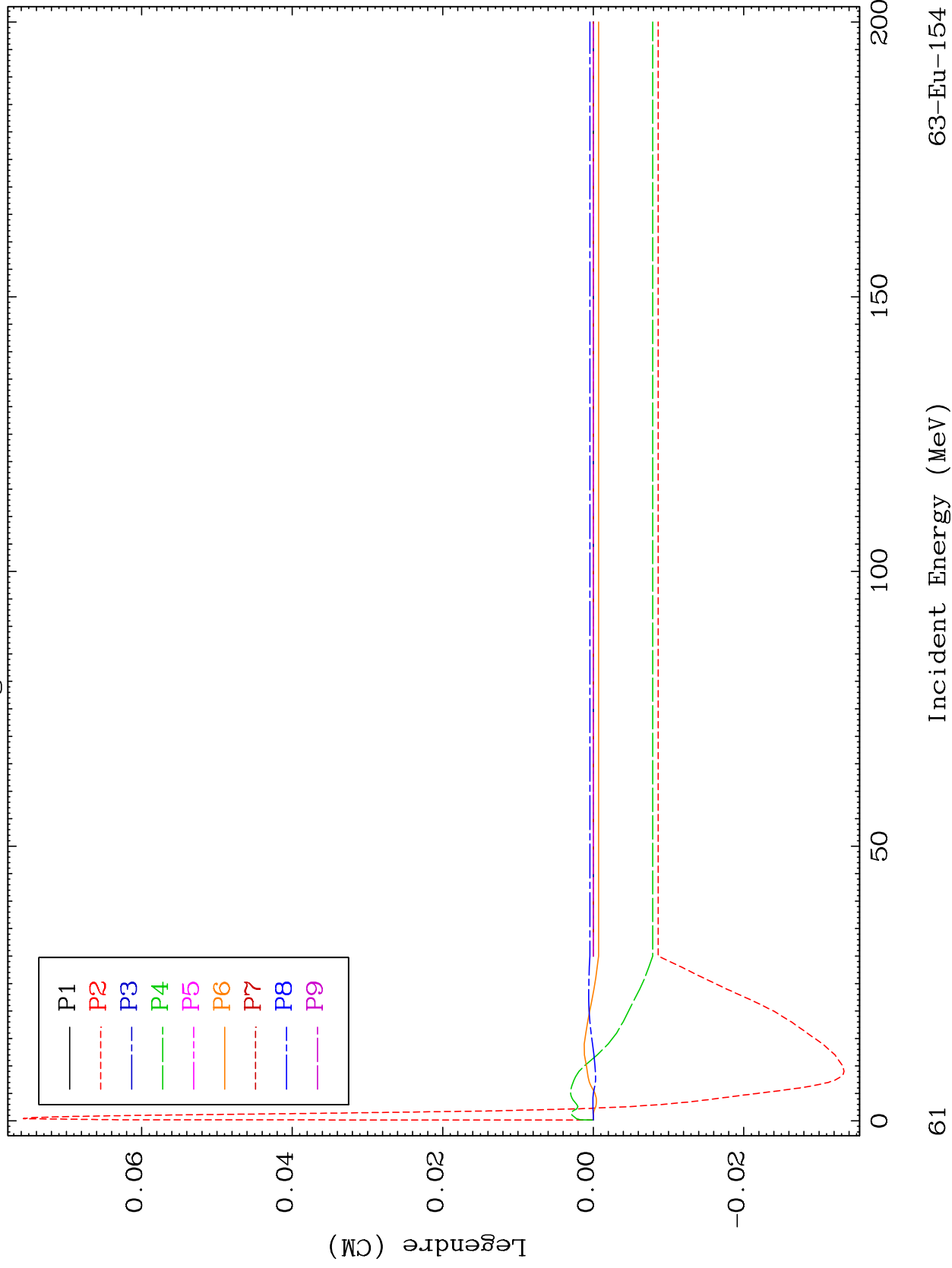
59



MAT 6334

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

63-Eu-154



63-Eu-154

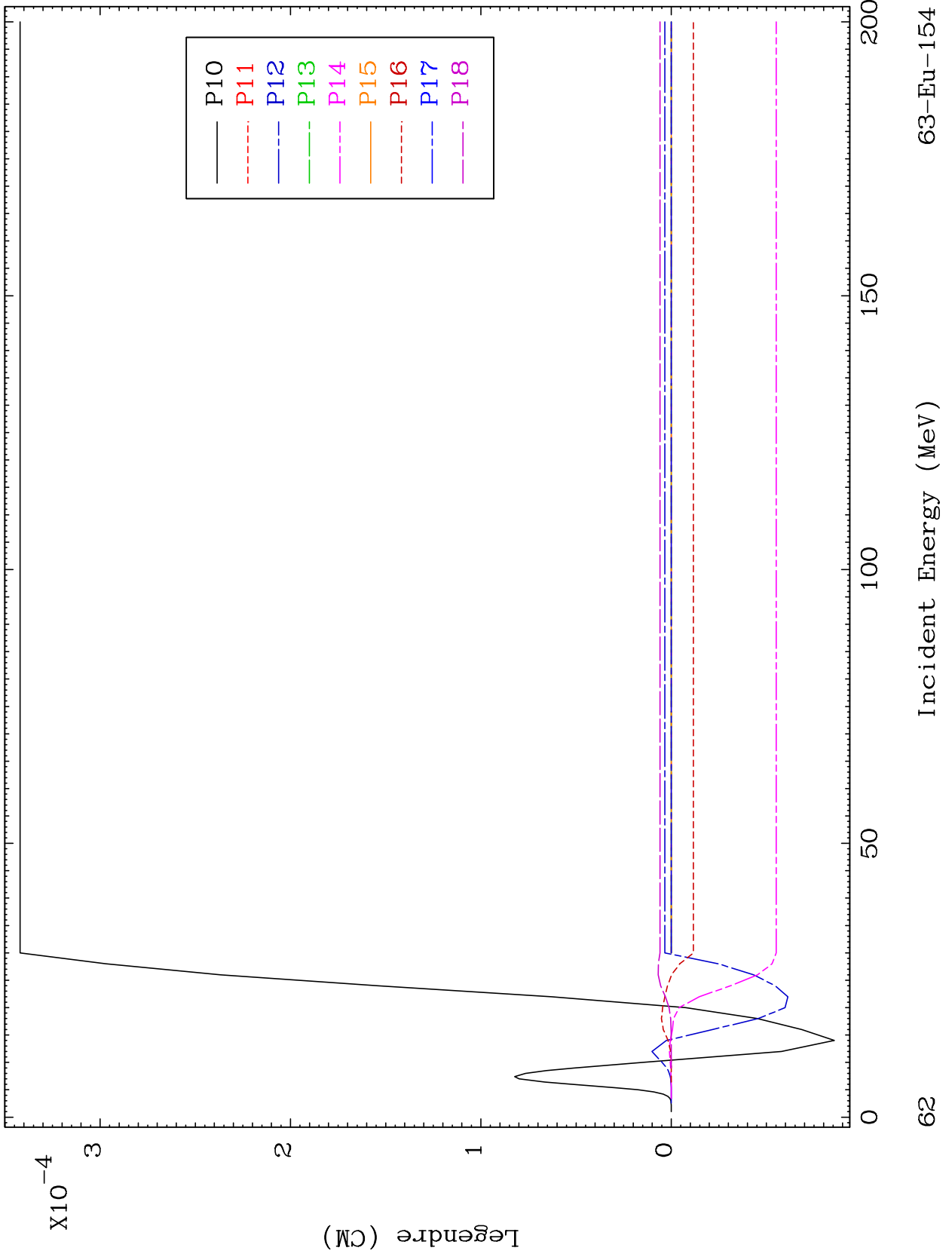
Incident Energy (MeV)

61

MAT 6334

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

63-Eu-154



62

Incident Energy (MeV)

63-Eu-154



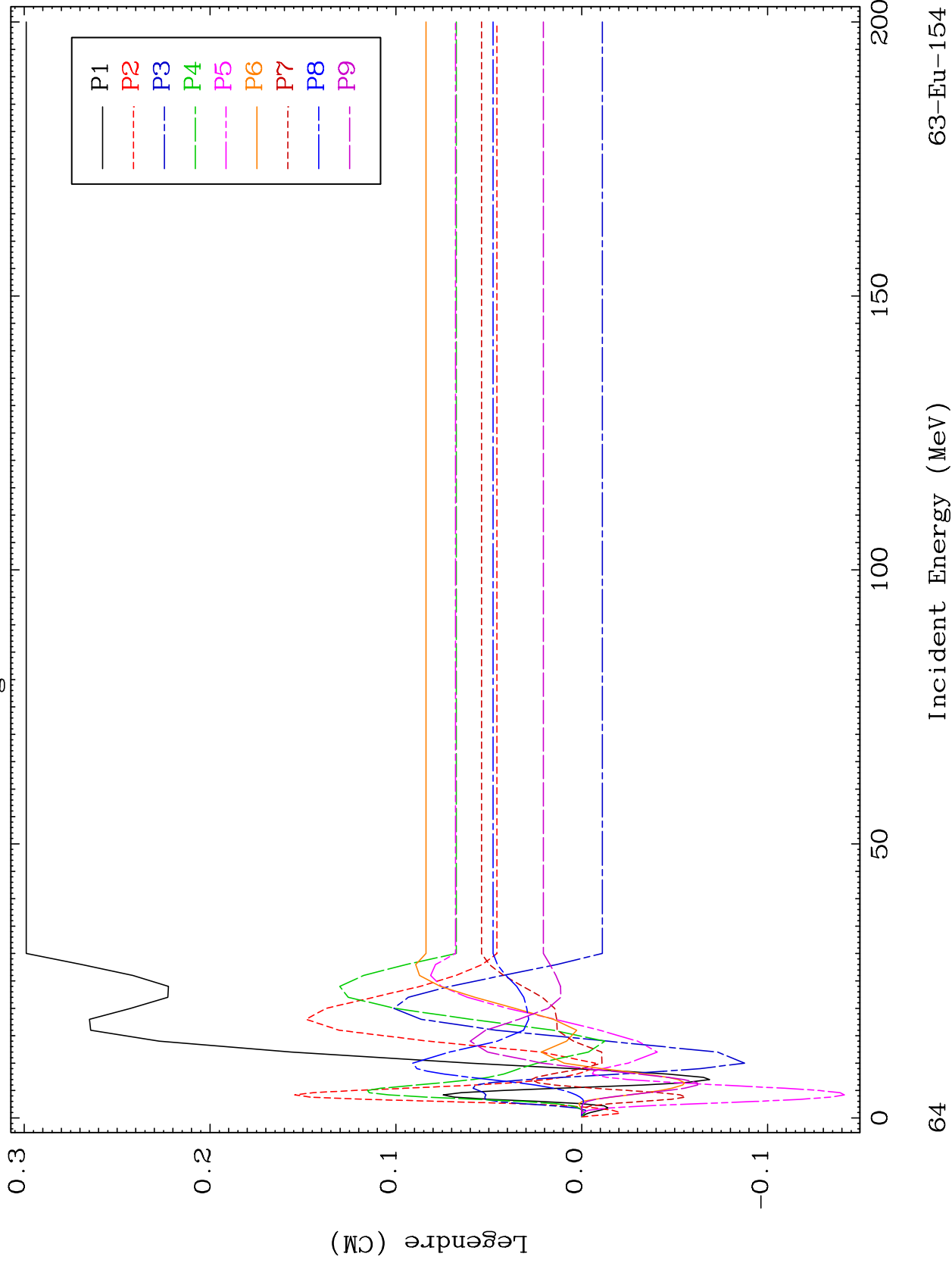


MAT 6334

MT= 64 (n,n') Level

63-Eu-154

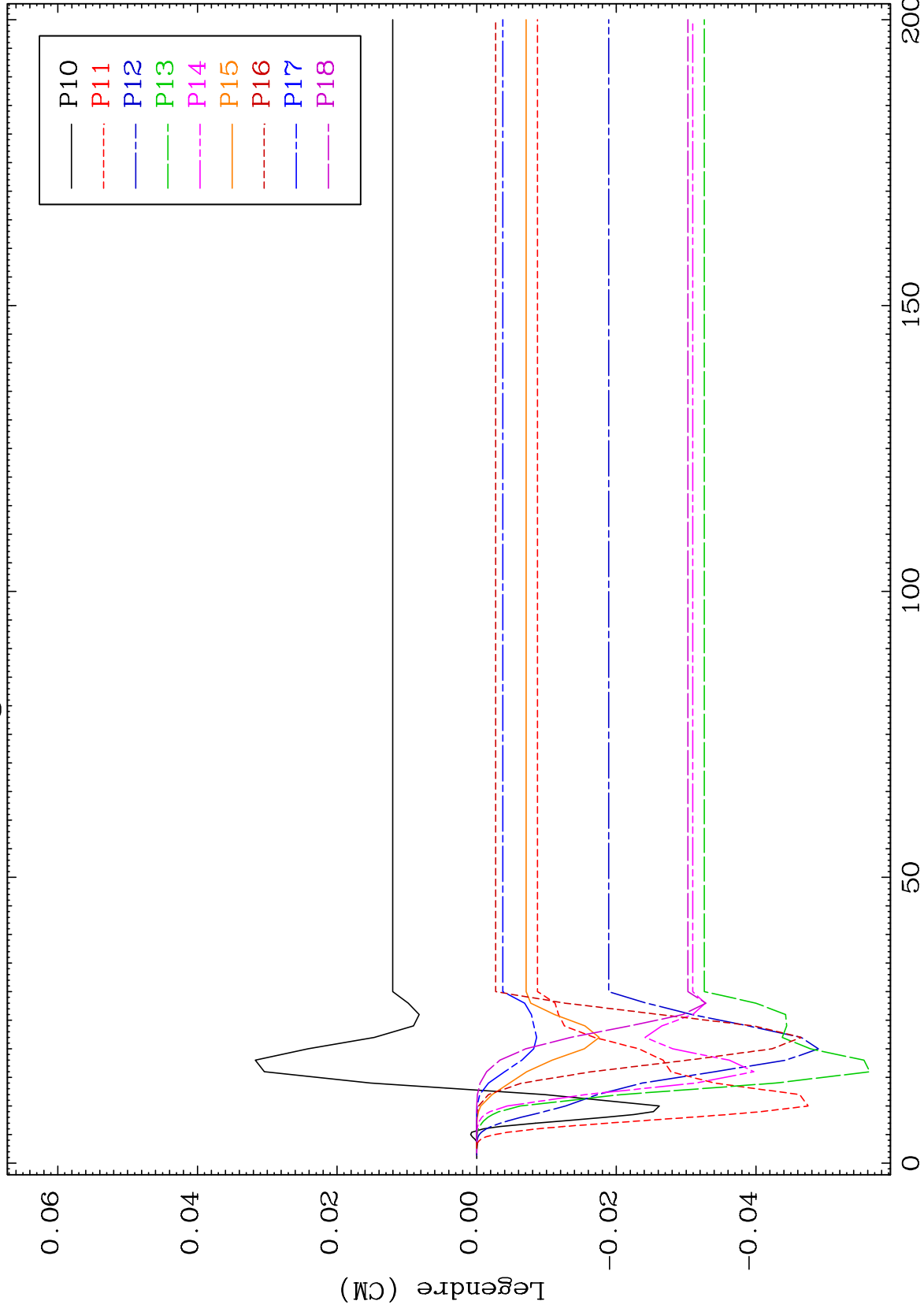
Legendre Coefficients



MAT 6334

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

63-Eu-154



65

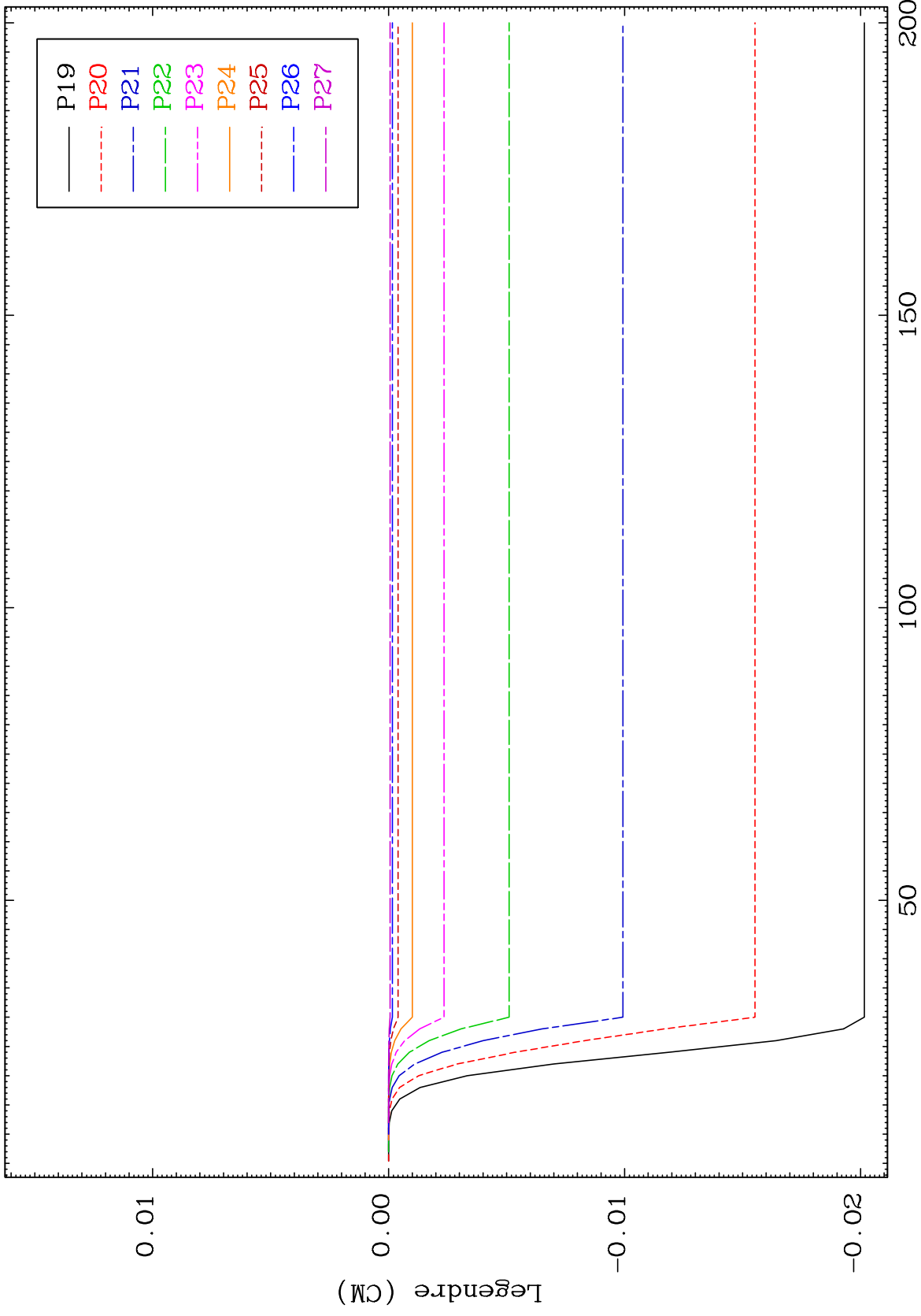
Incident Energy (MeV)

63-Eu-154

MAT 6334

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

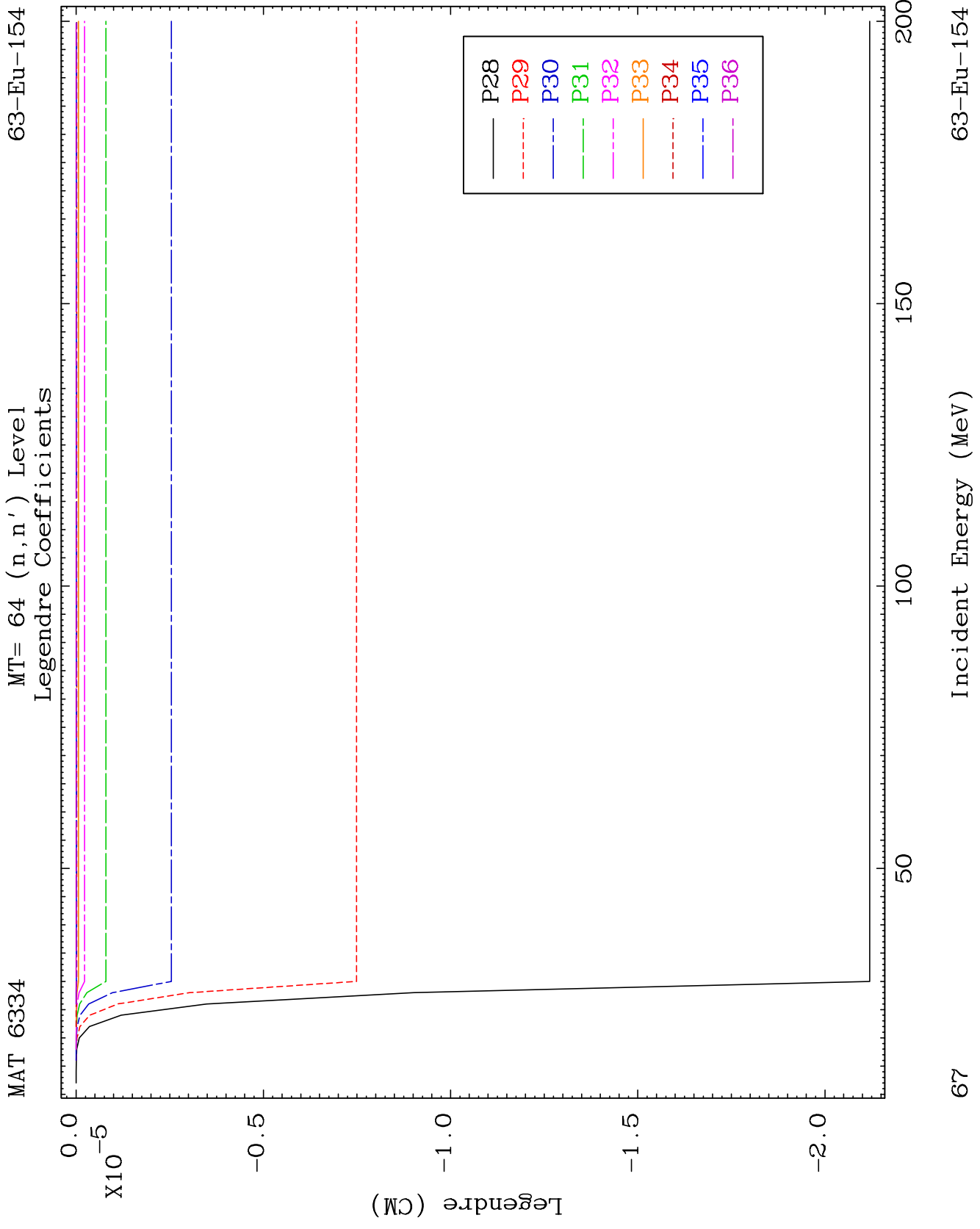
63-Eu-154



66

Incident Energy (MeV)

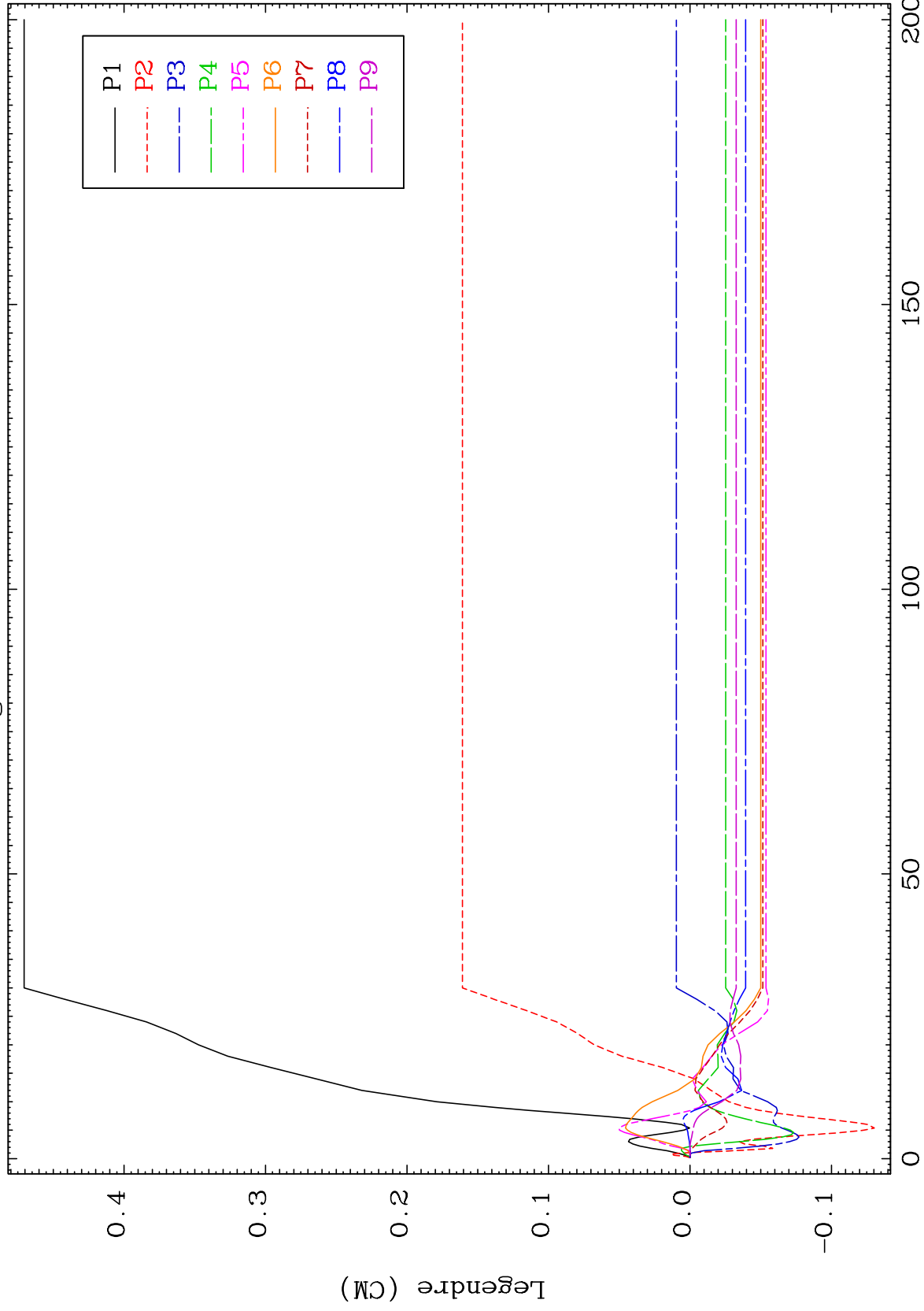
63-Eu-154



MAT 6334

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

63-Eu-154



68

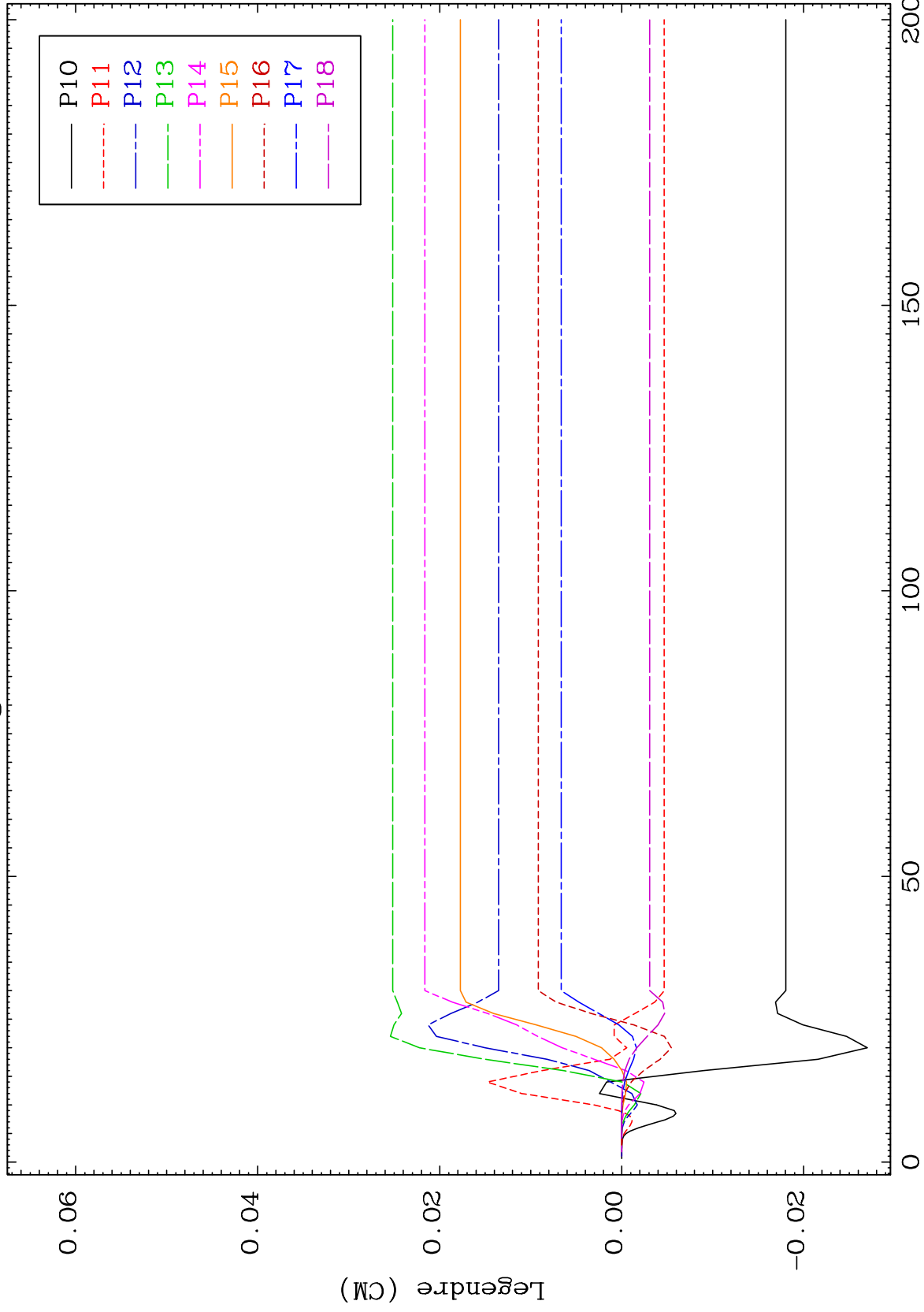
Incident Energy (MeV)

63-Eu-154

MAT 6334

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

63-Eu-154



69

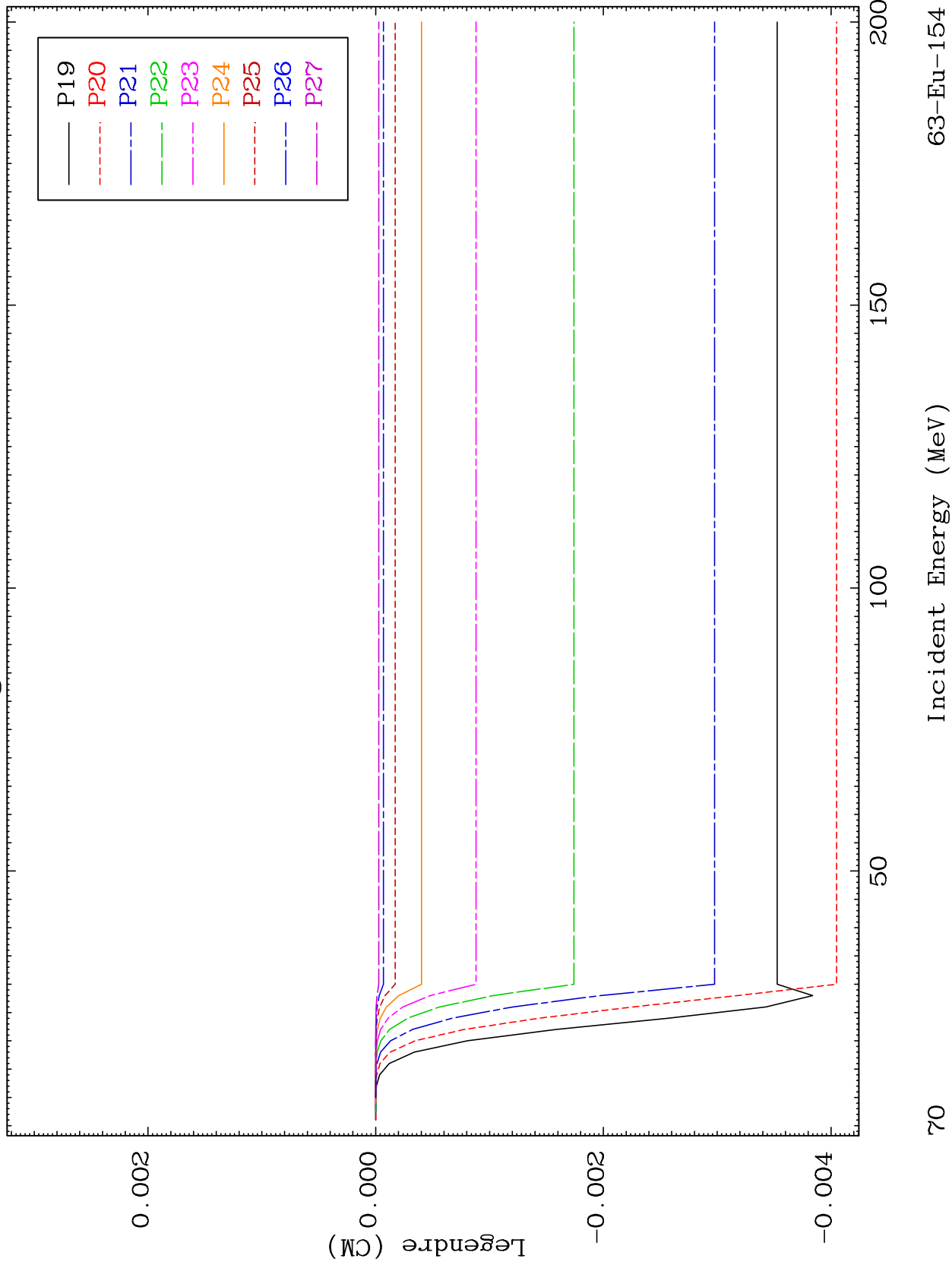
Incident Energy (MeV)

63-Eu-154

MAT 6334

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

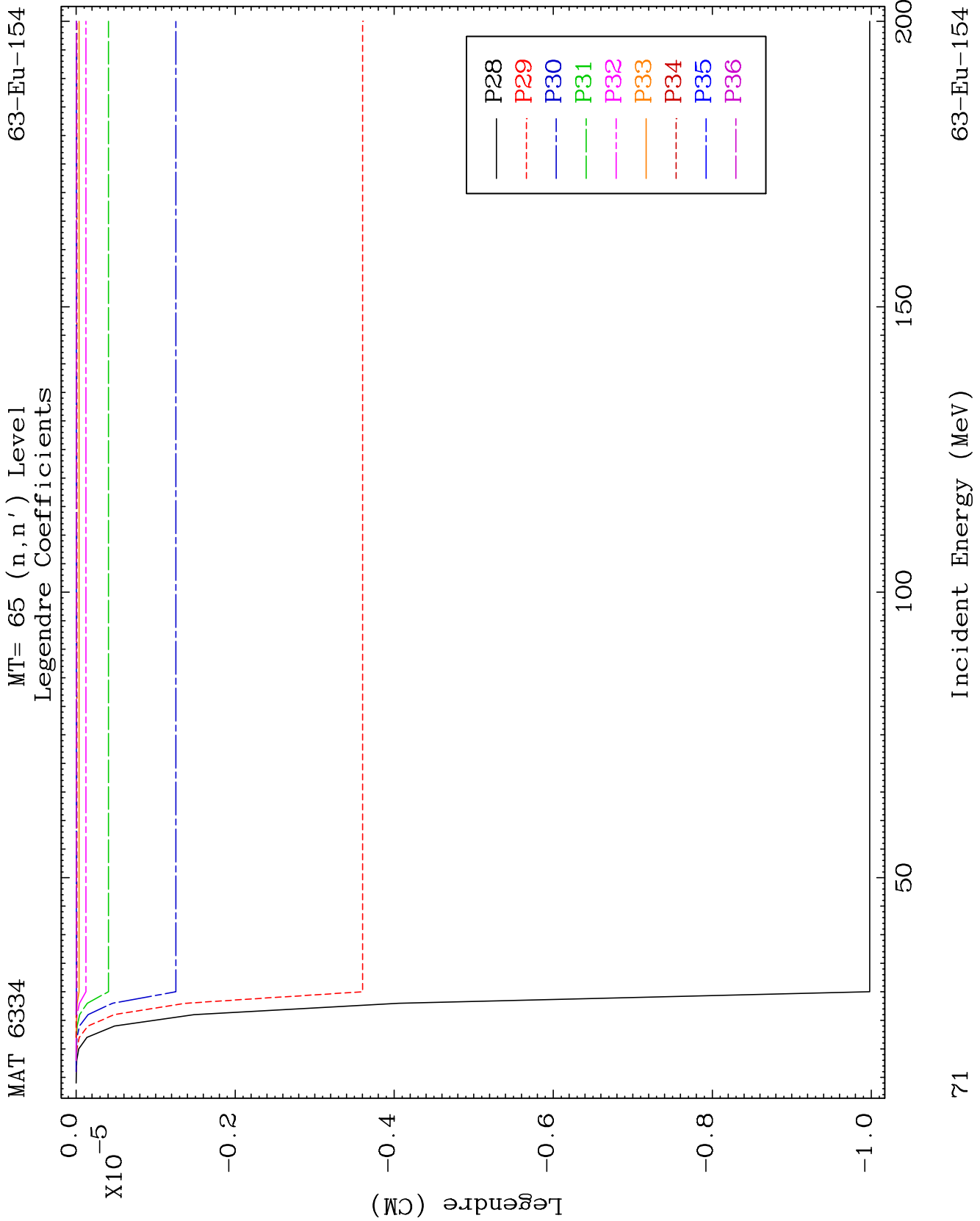
63-Eu-154



70

Incident Energy (MeV)

63-Eu-154

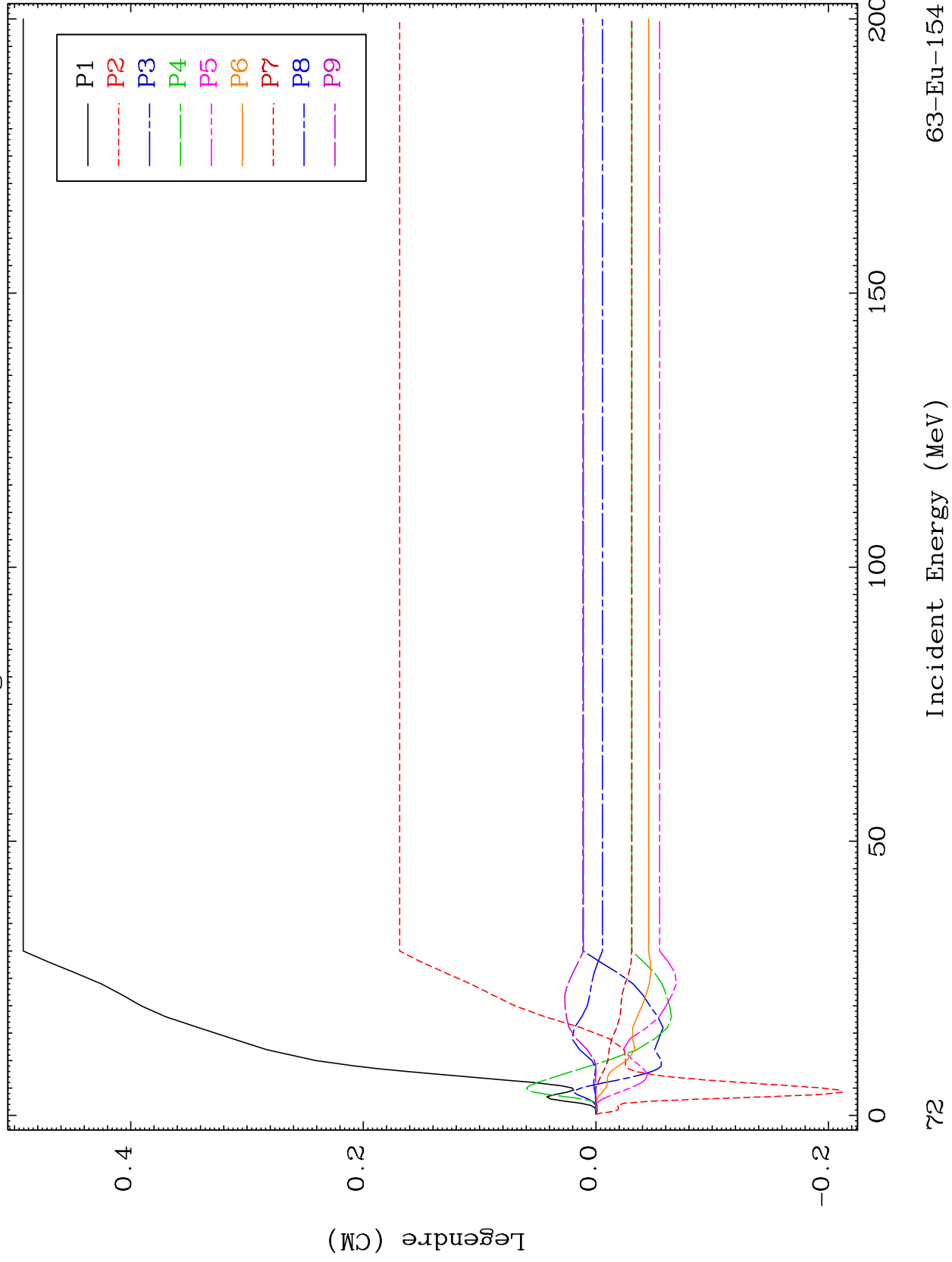




MAT 6334

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

63-Eu-154



63-Eu-154

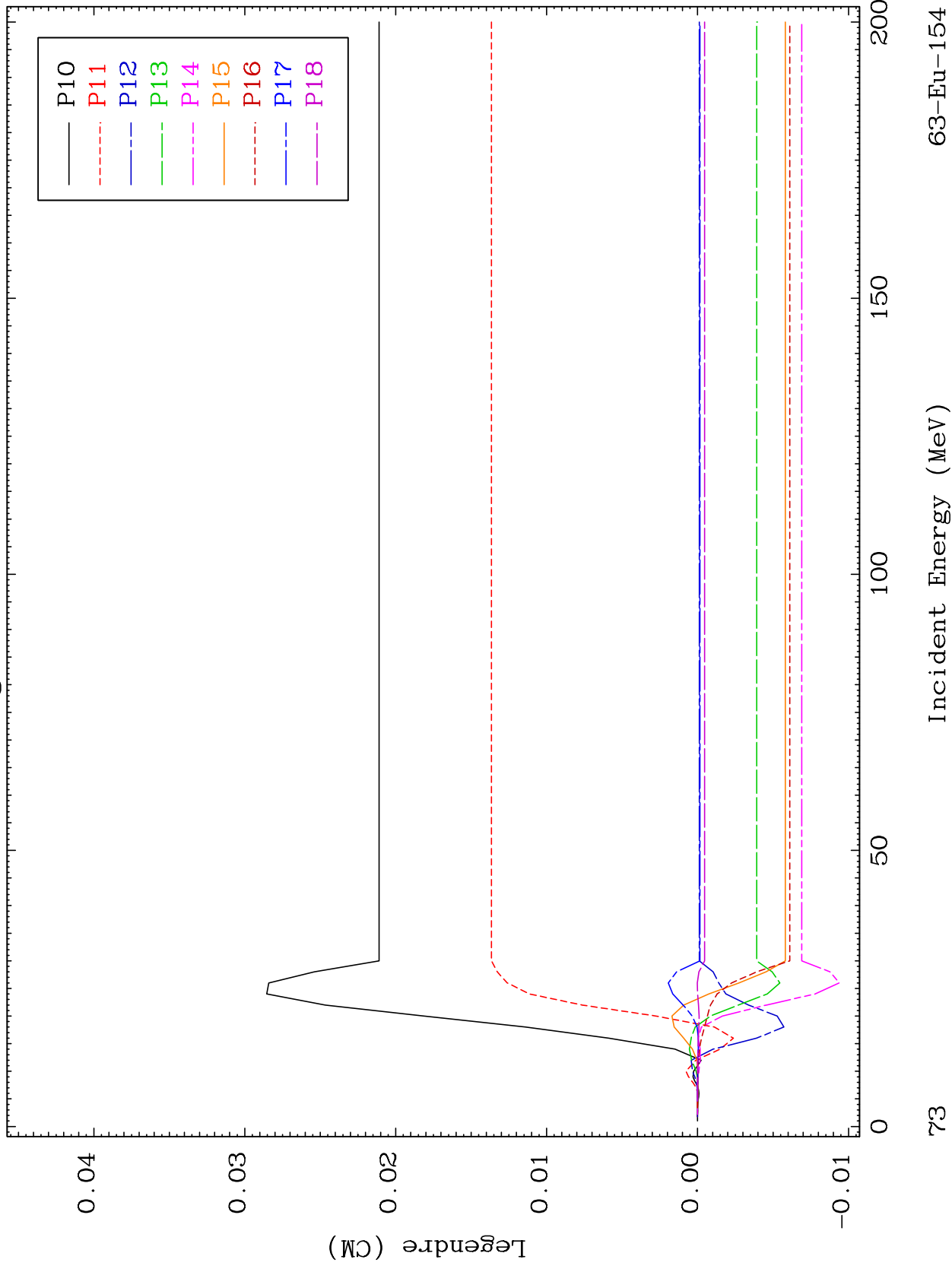
Incident Energy (MeV)

72

MAT 6334

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

63-Eu-154



73

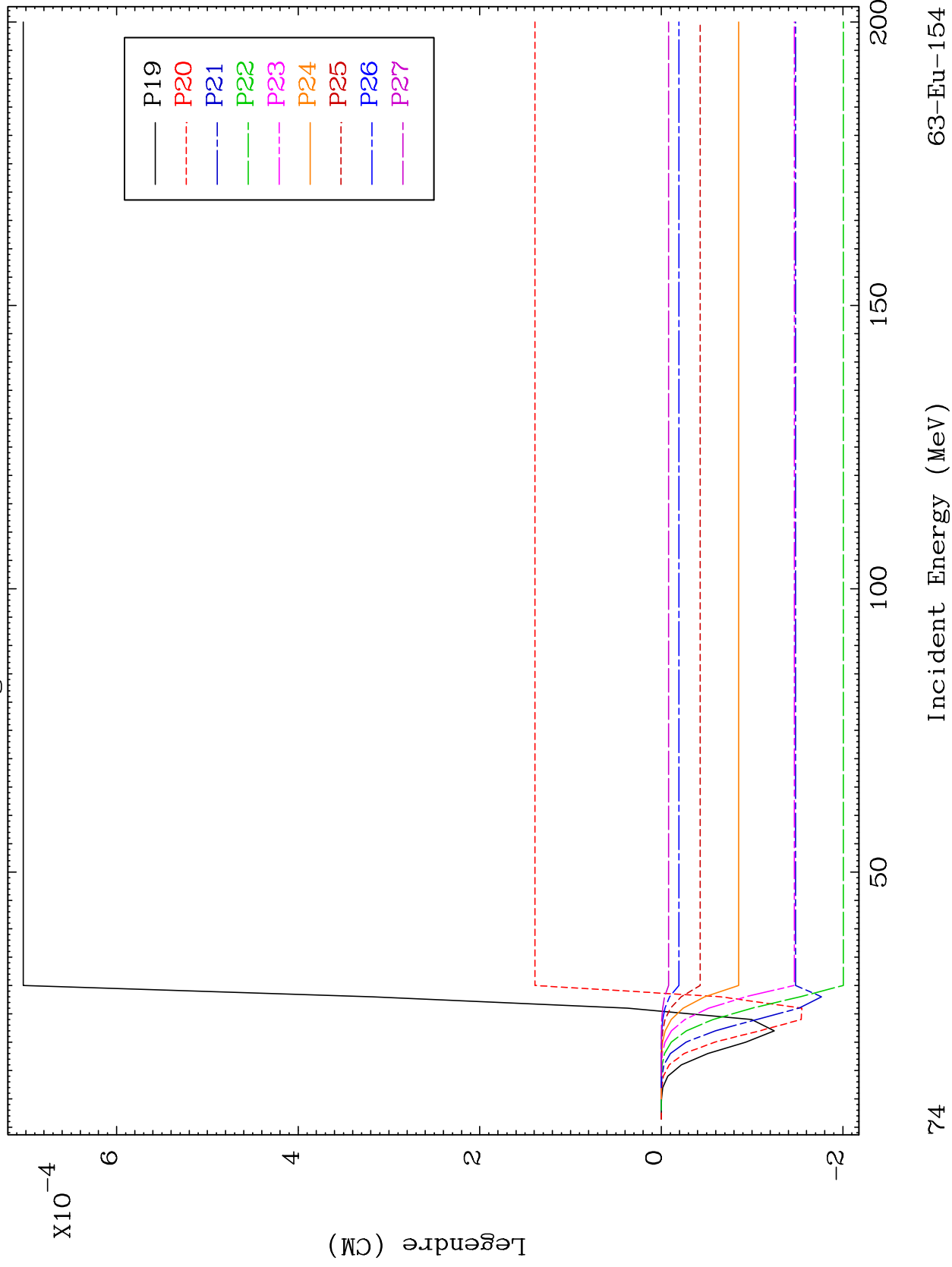
Incident Energy (MeV)

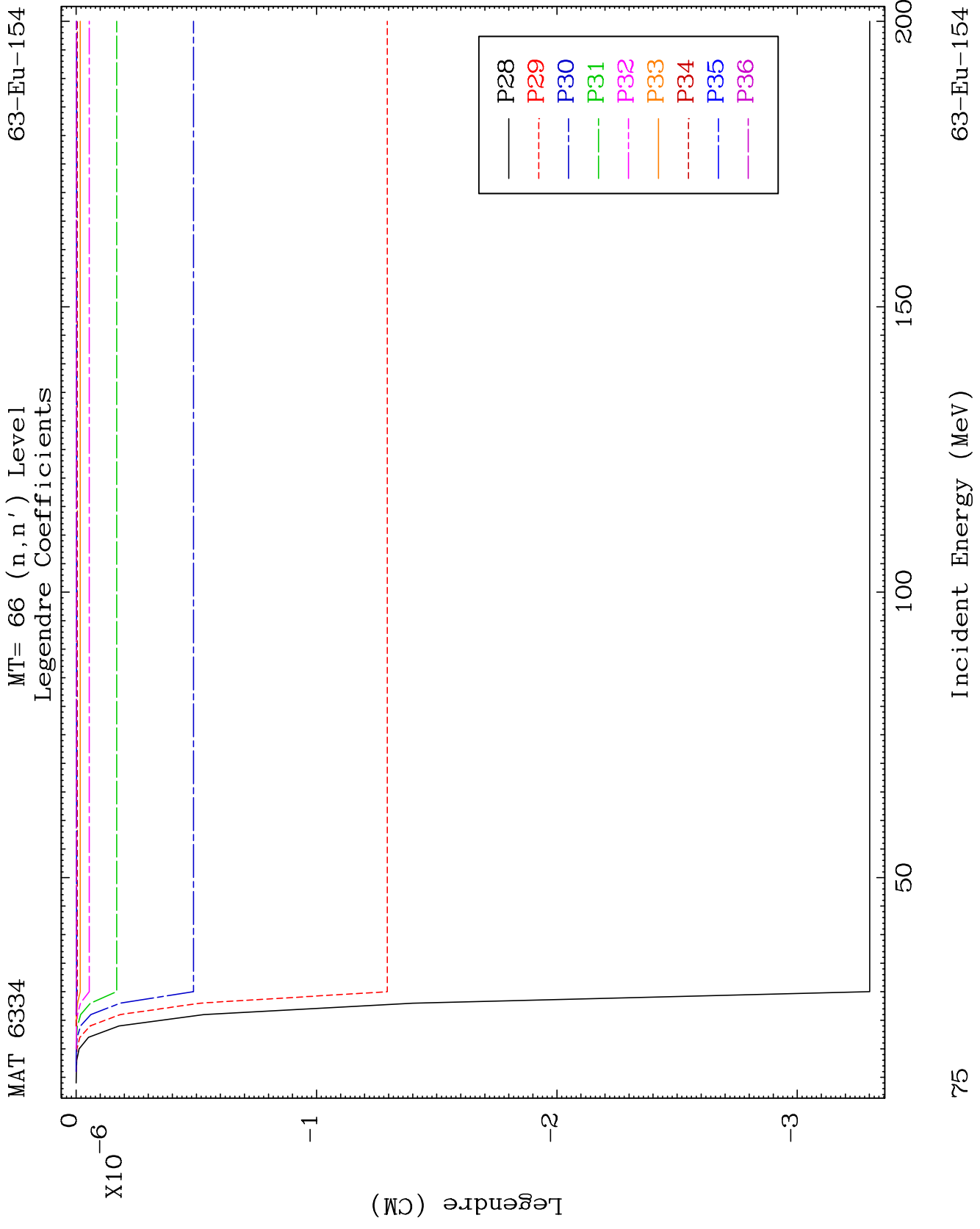
63-Eu-154

MAT 6334

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

63-Eu-154

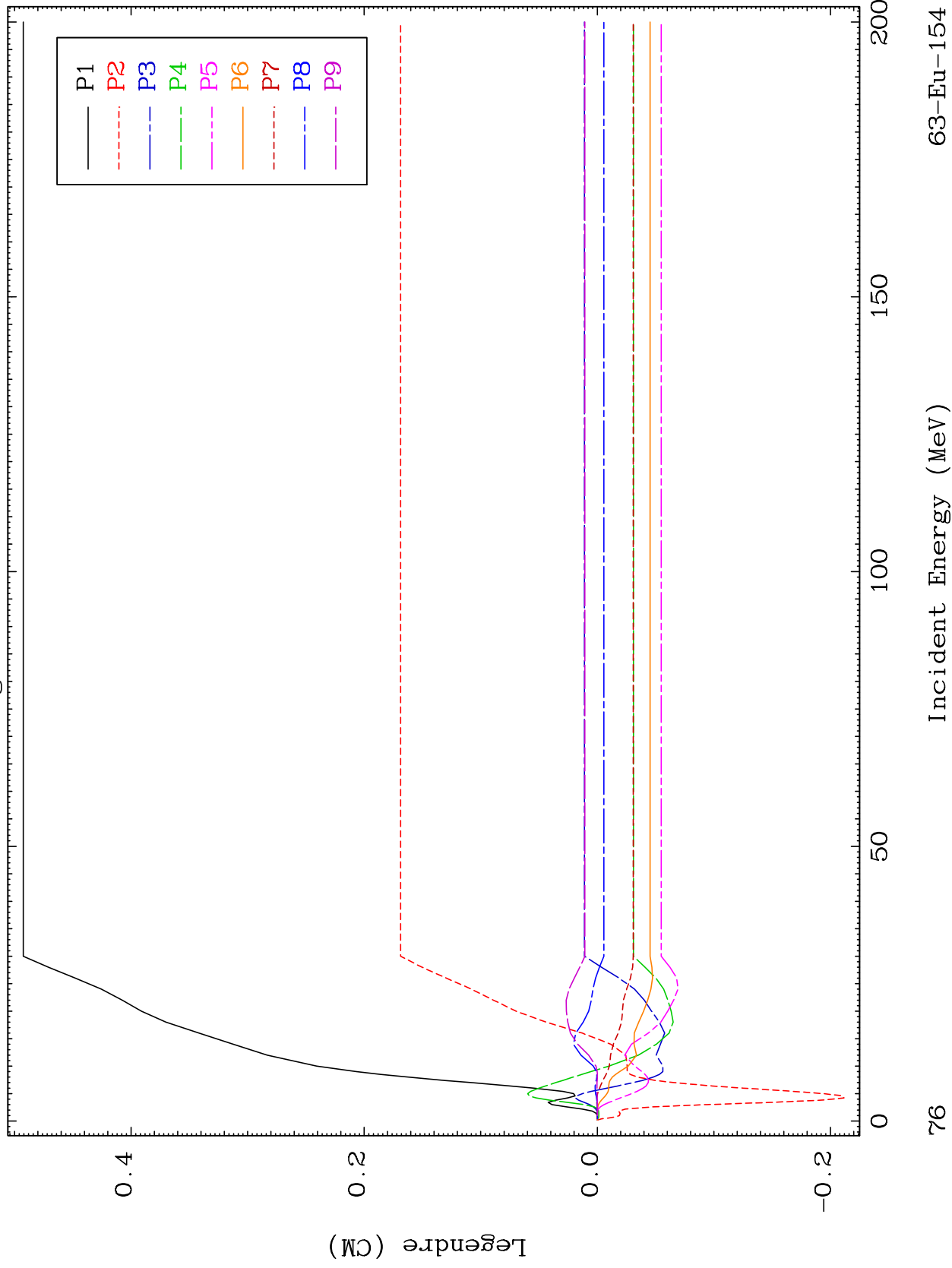




MAT 6334

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

63-Eu-154



63-Eu-154

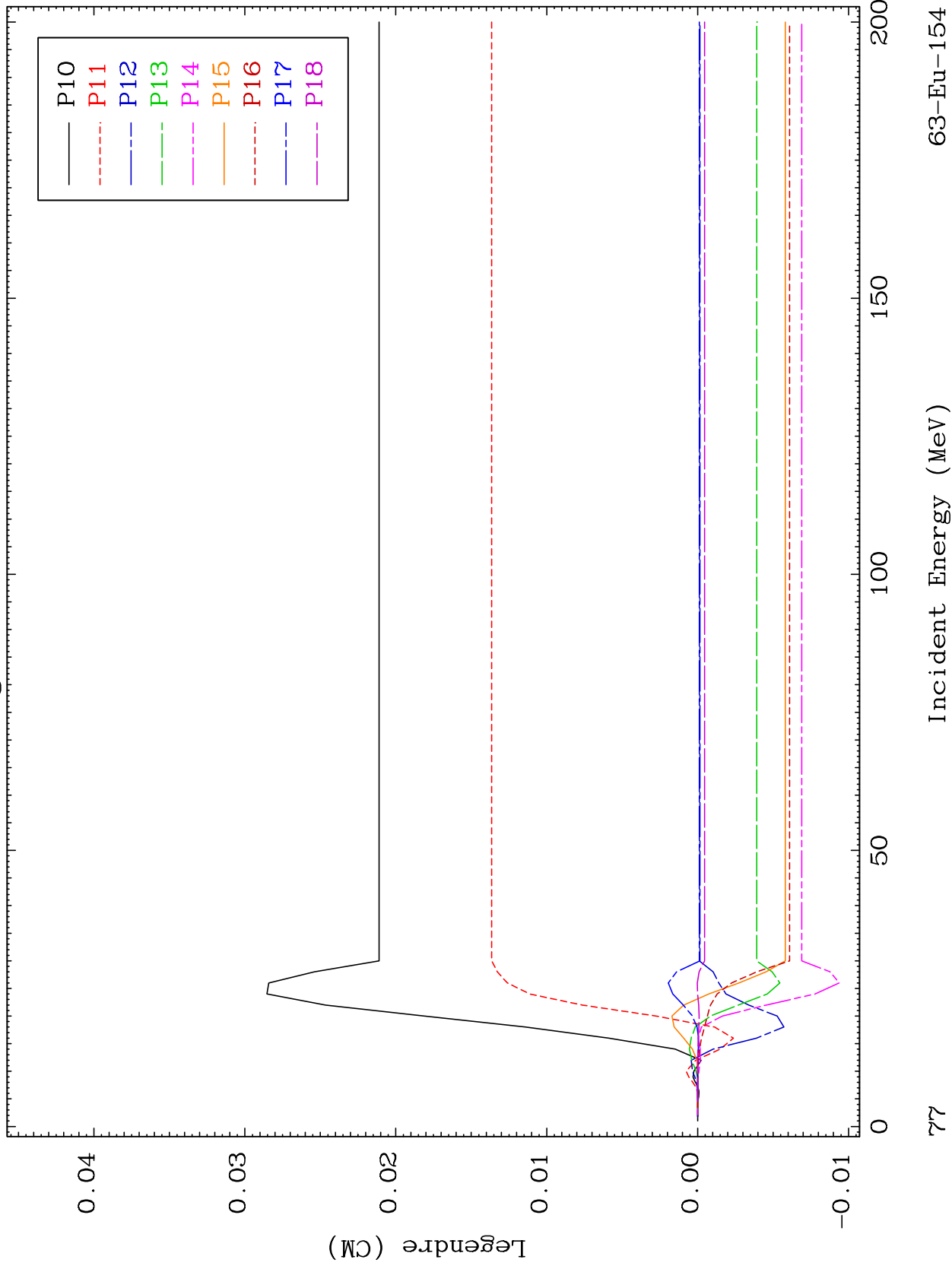
Incident Energy (MeV)

76

MAT 6334

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

63-Eu-154



77

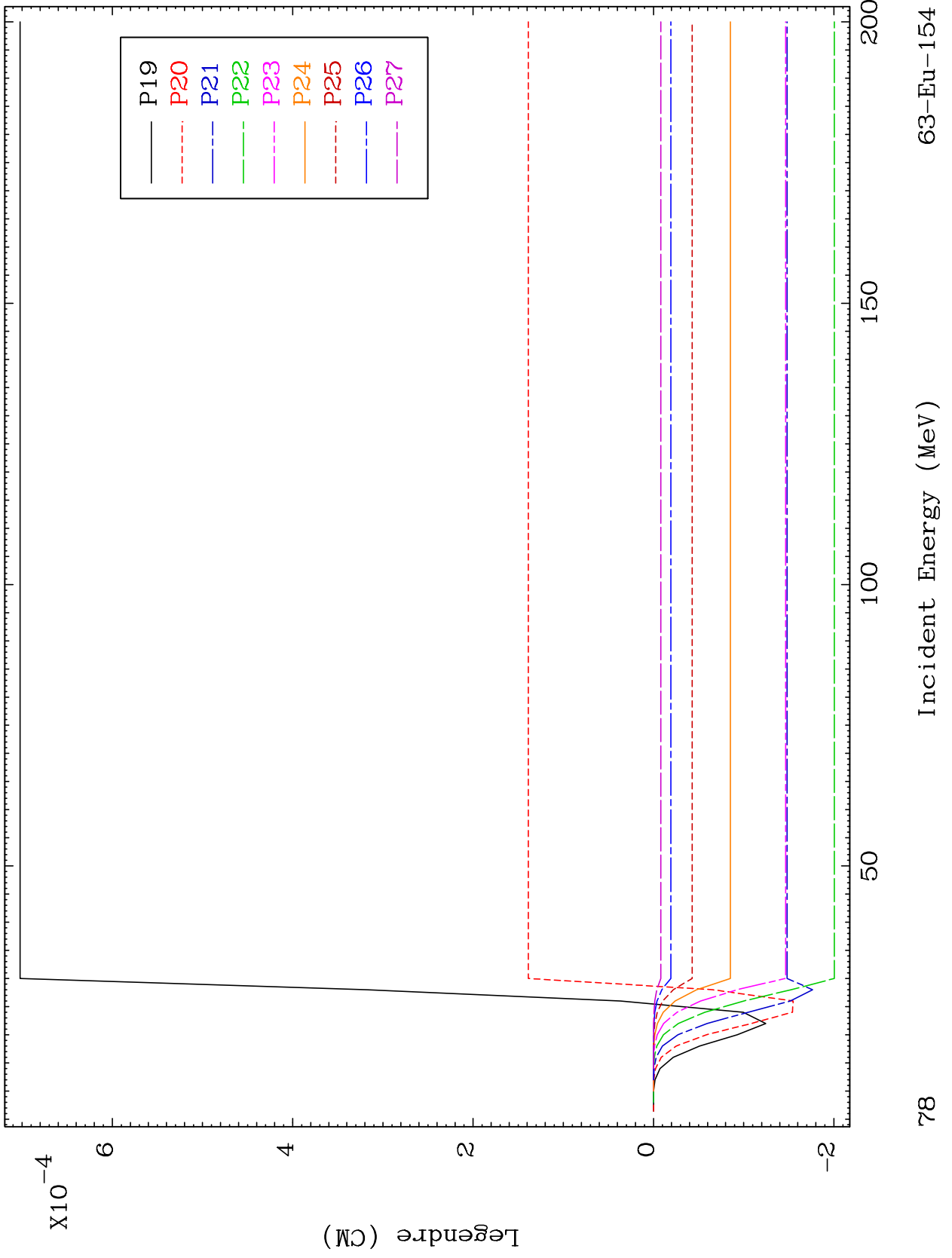
Incident Energy (MeV)

63-Eu-154

MAT 6334

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

63-Eu-154



78

63-Eu-154



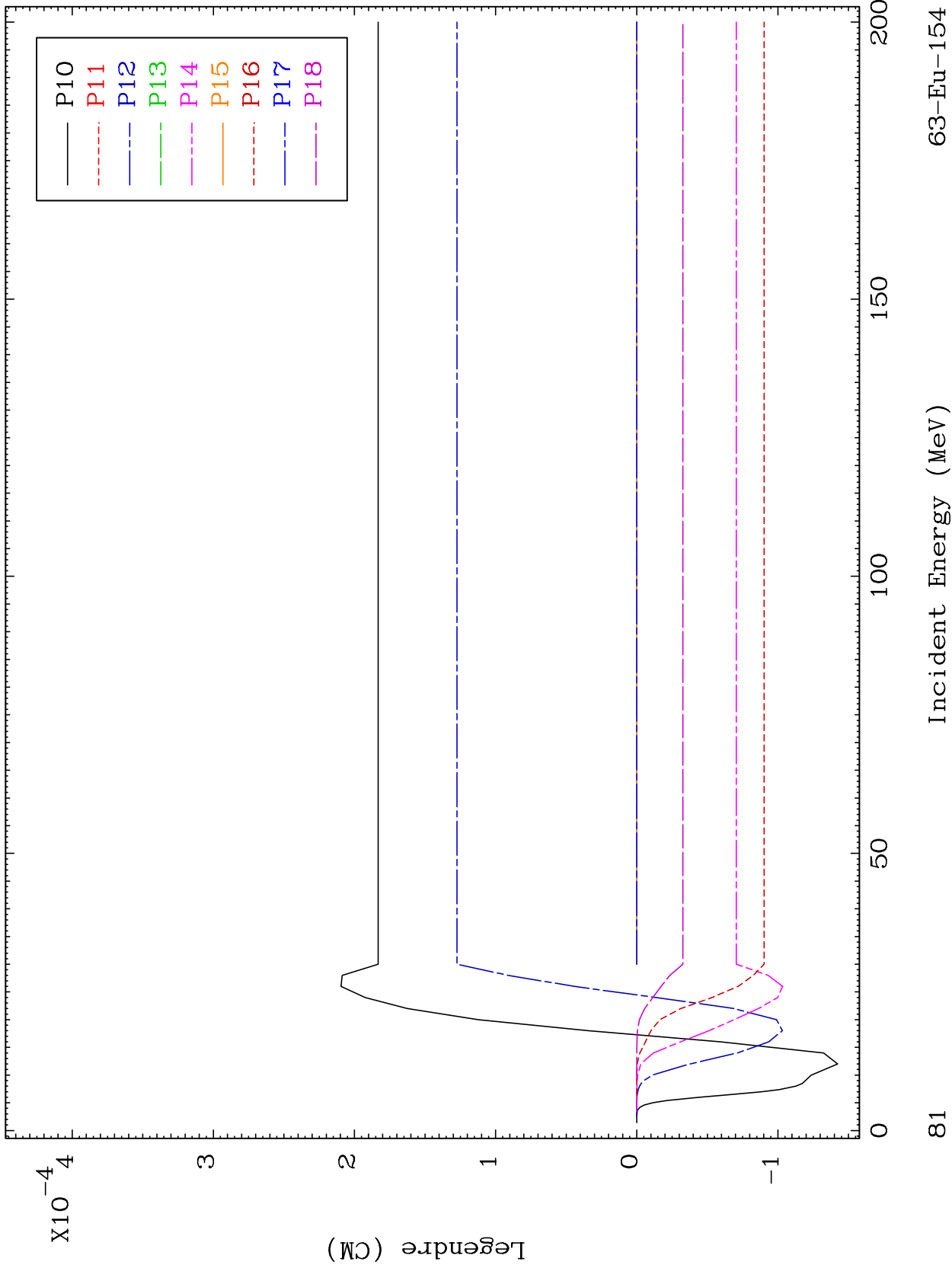




MAT 6334

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

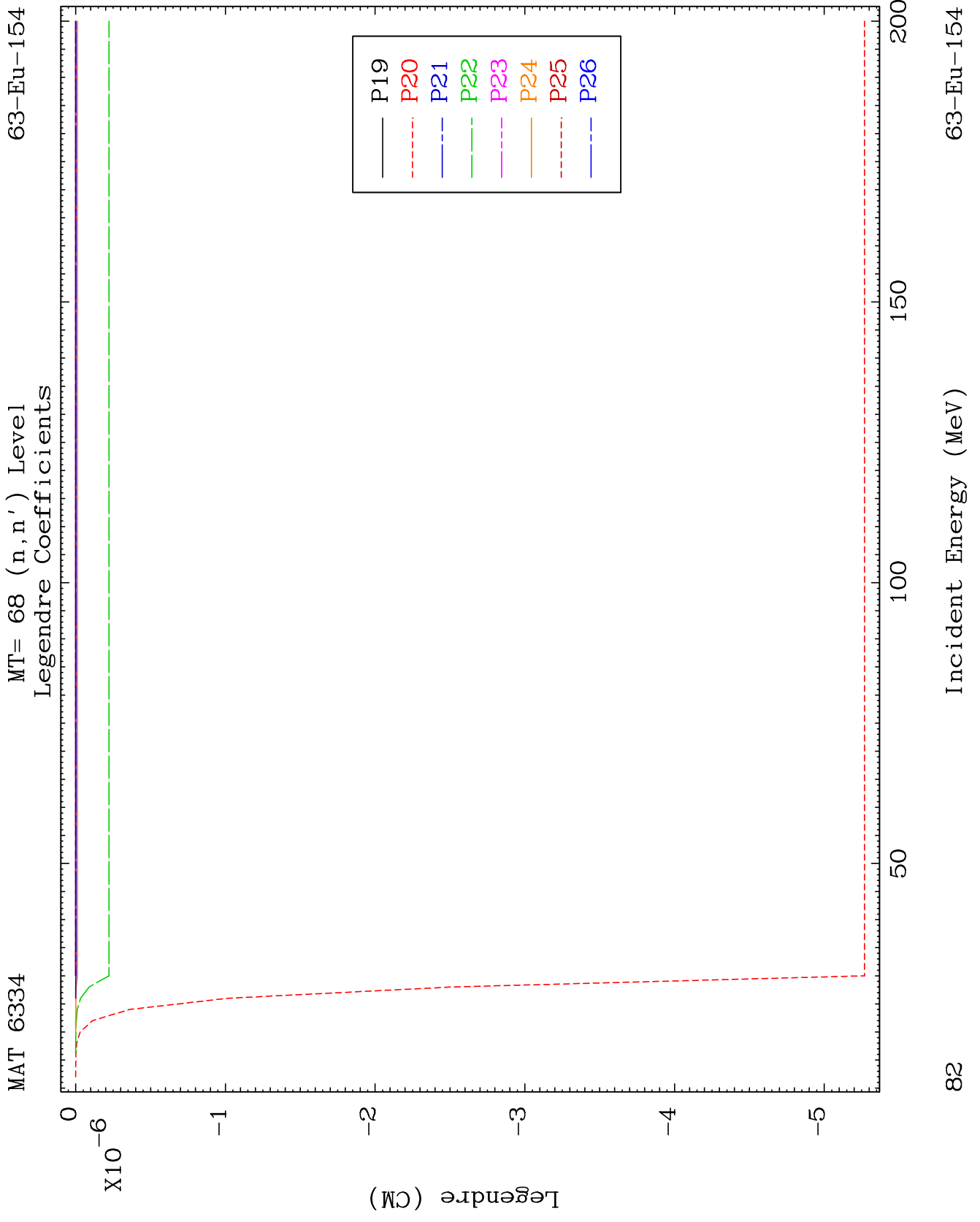
63-Eu-154



63-Eu-154

Incident Energy (MeV)

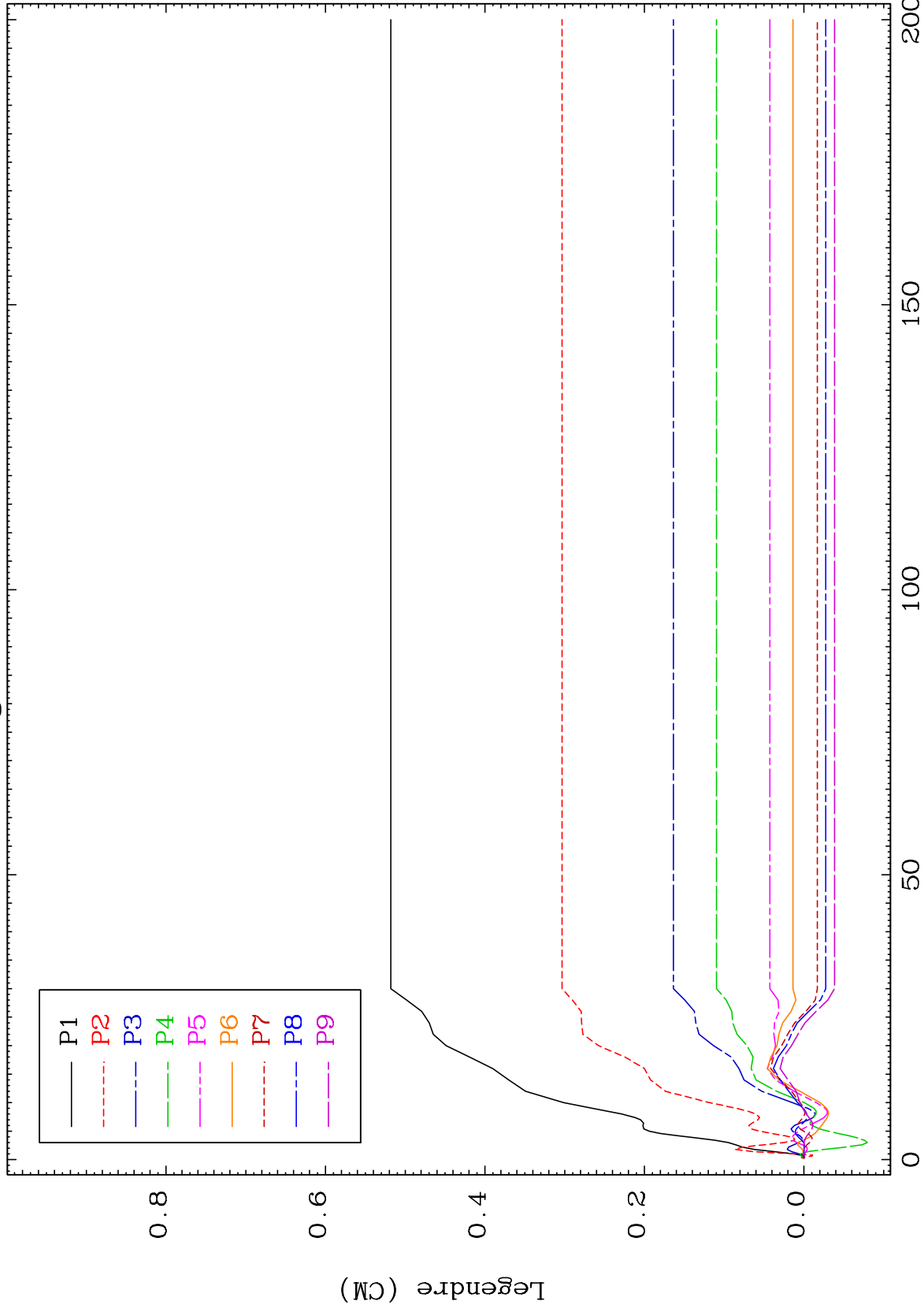
81



MAT 6334

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

63-Eu-154



83

Incident Energy (MeV)

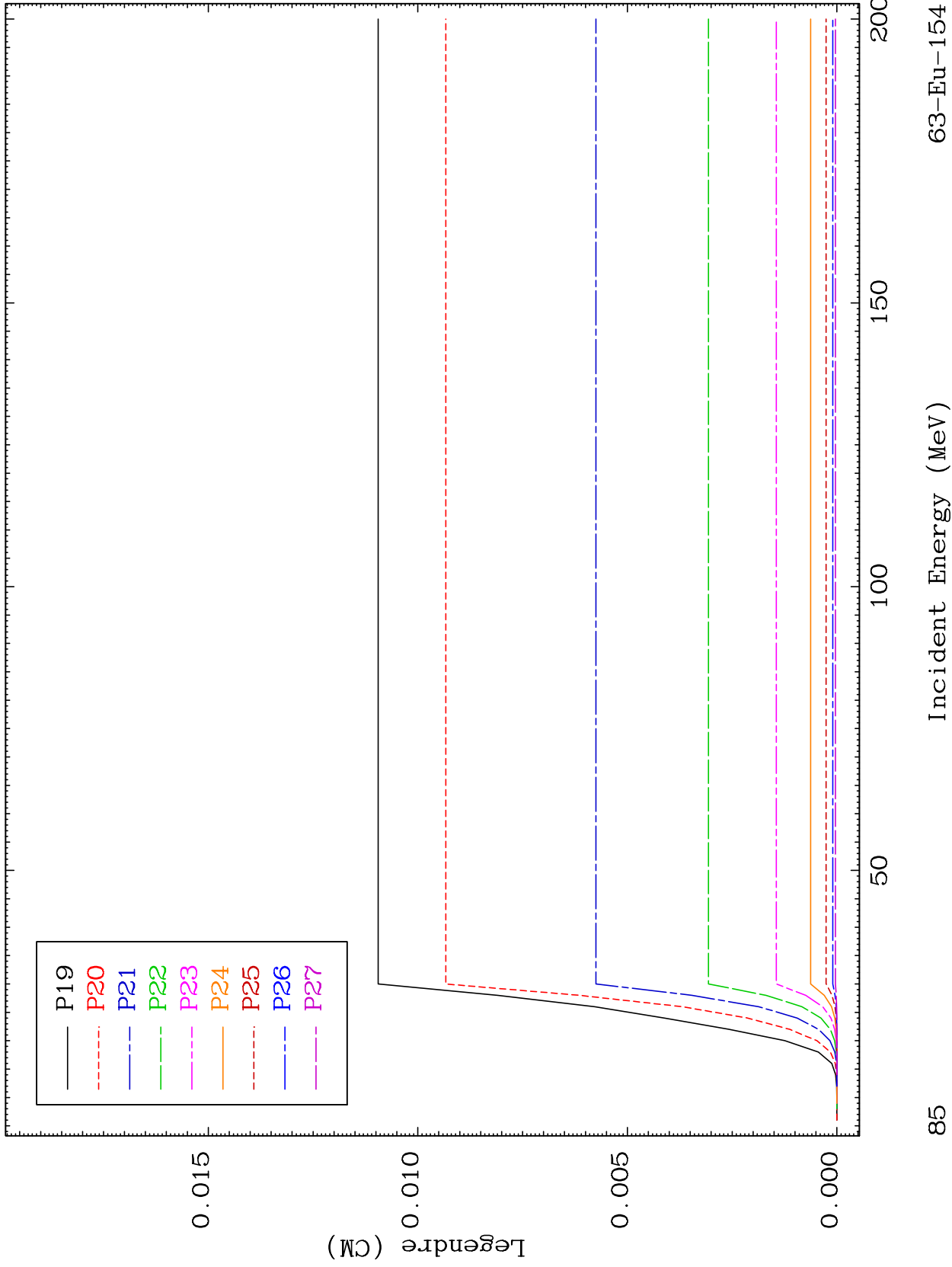
63-Eu-154



MAT 6334

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

63-Eu-154



85

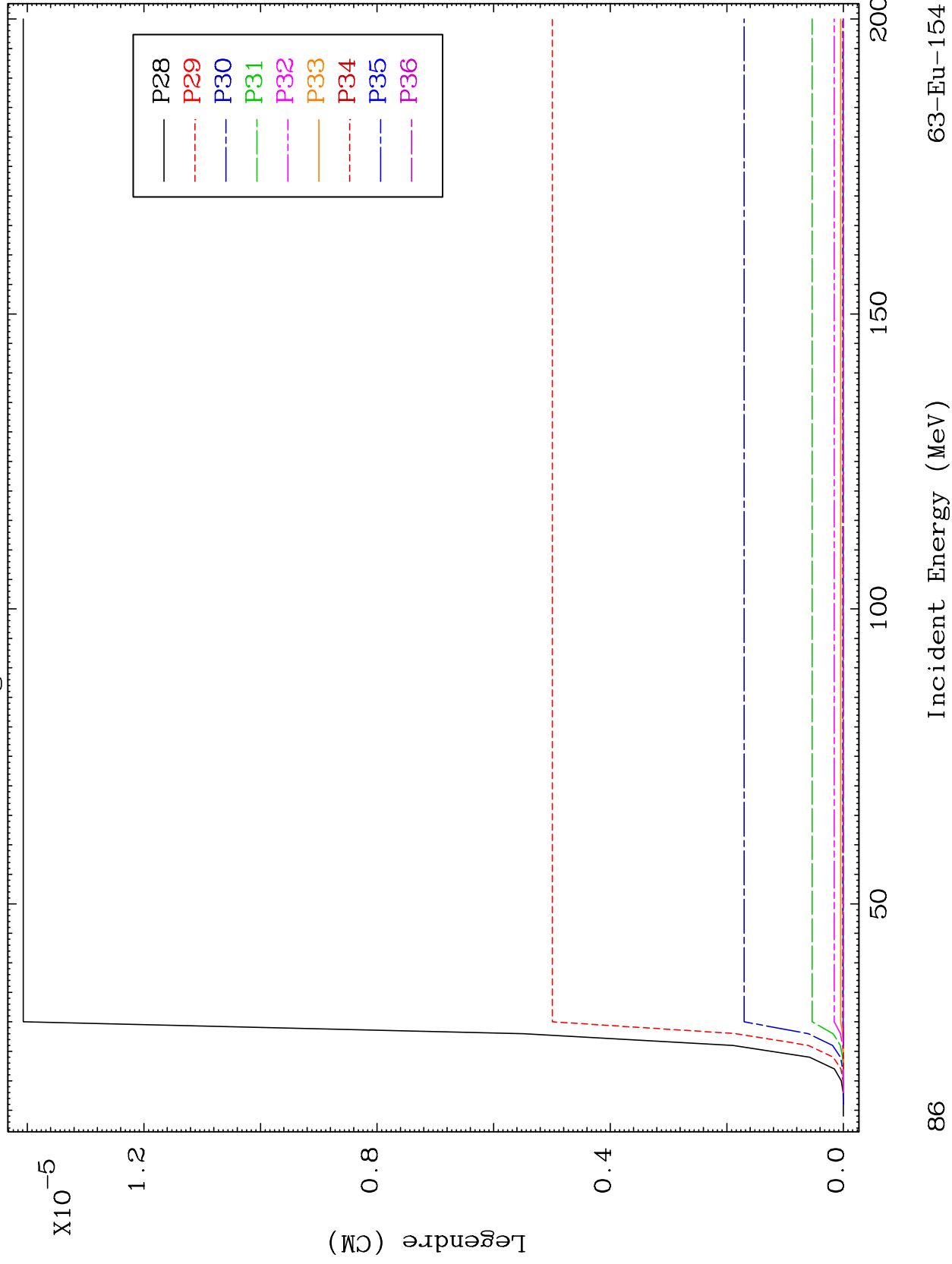
Incident Energy (MeV)

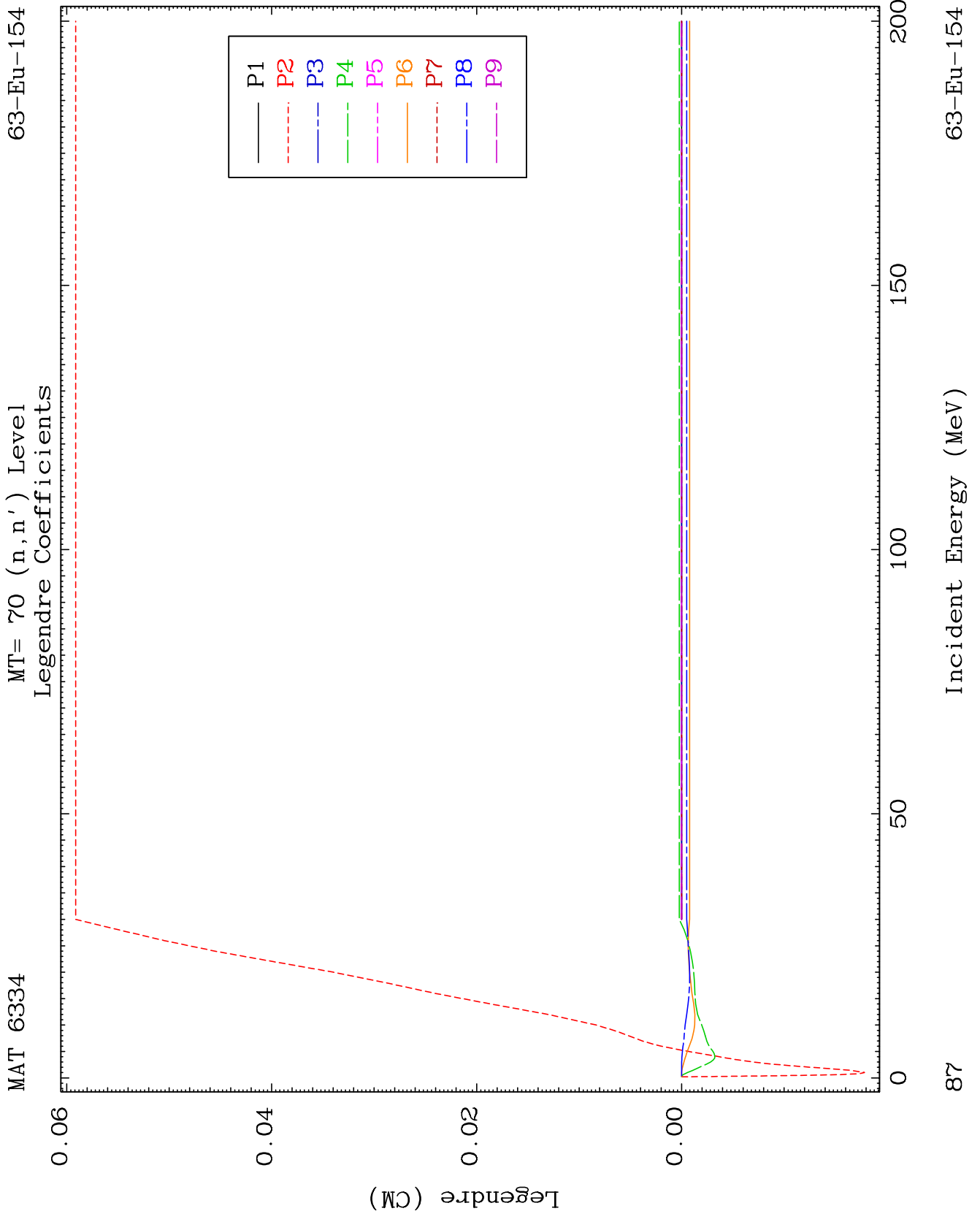
63-Eu-154

MAT 6334

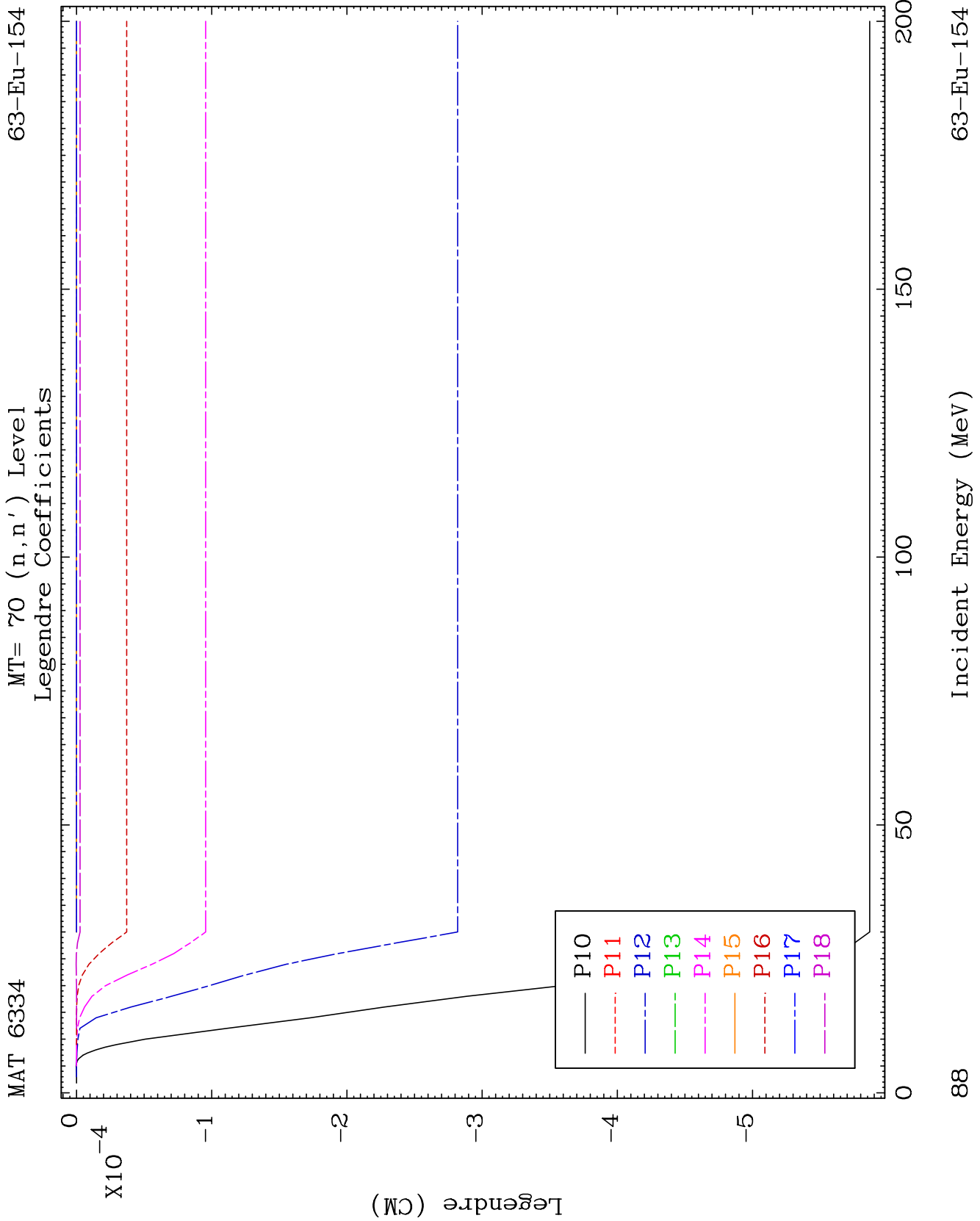
MT= 69 (n,n') Level  
Legendre Coefficients

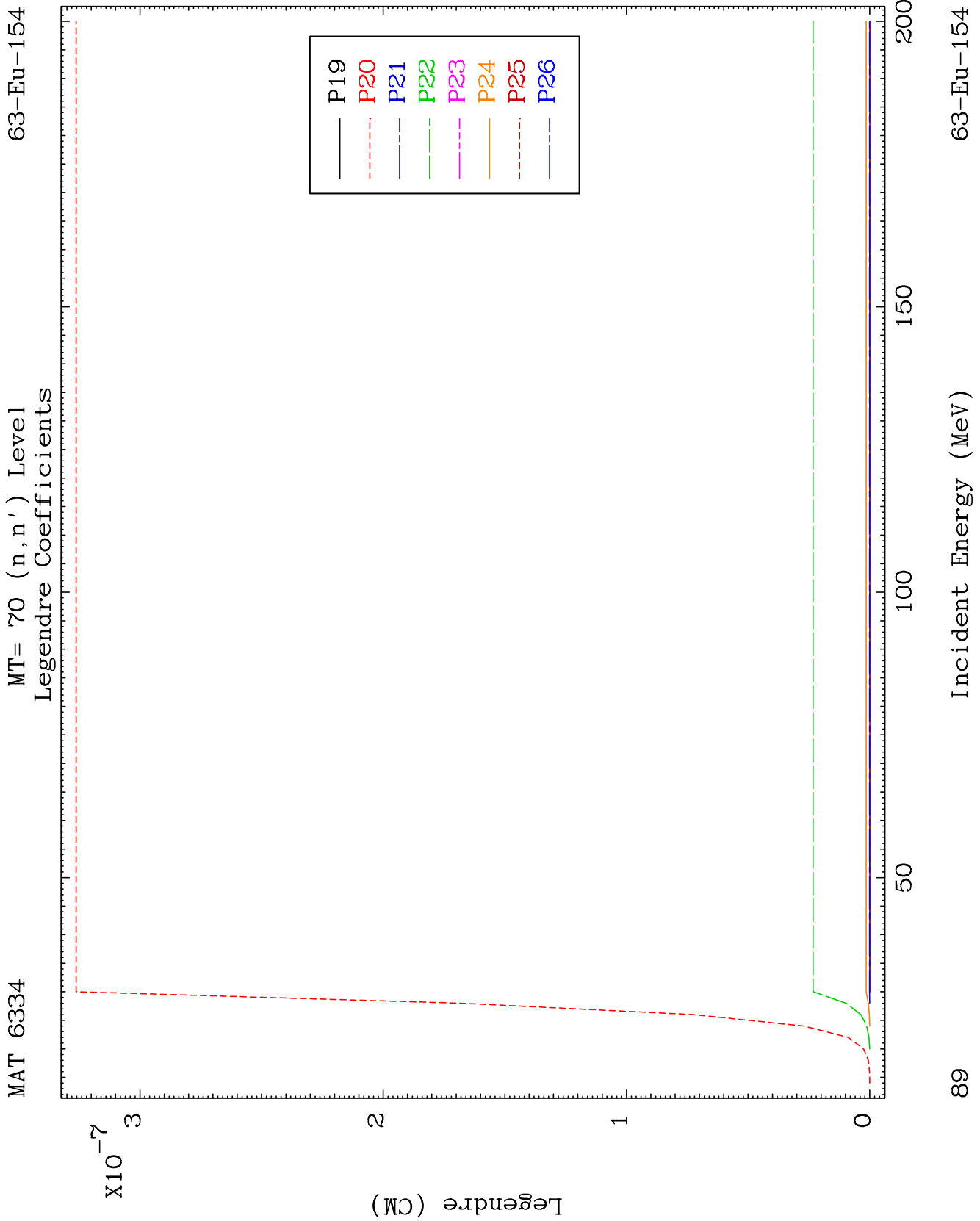
63-Eu-154







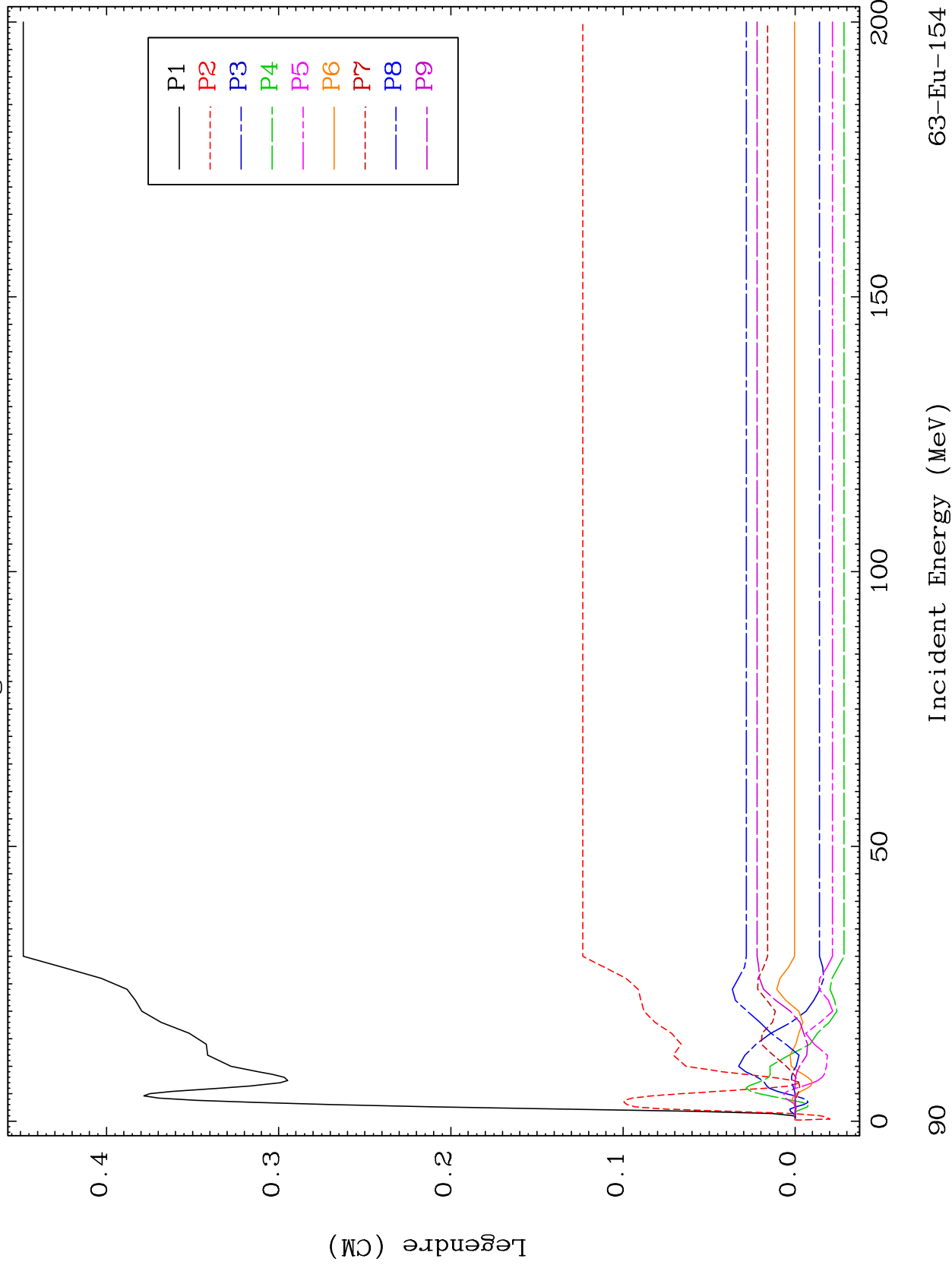




MAT 6334

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

63-Eu-154



63-Eu-154

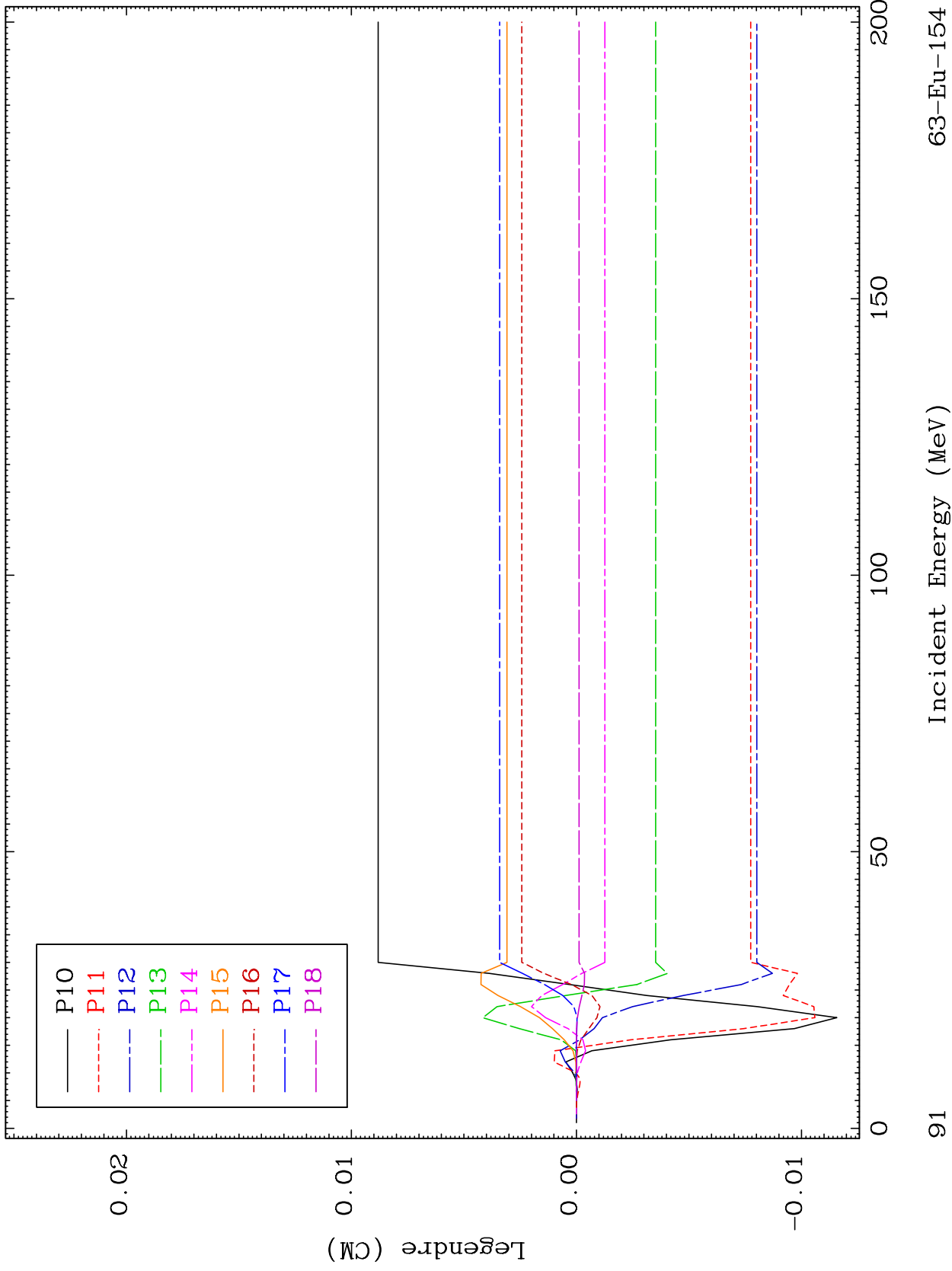
Incident Energy (MeV)

90

MAT 6334

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

63-Eu-154



91

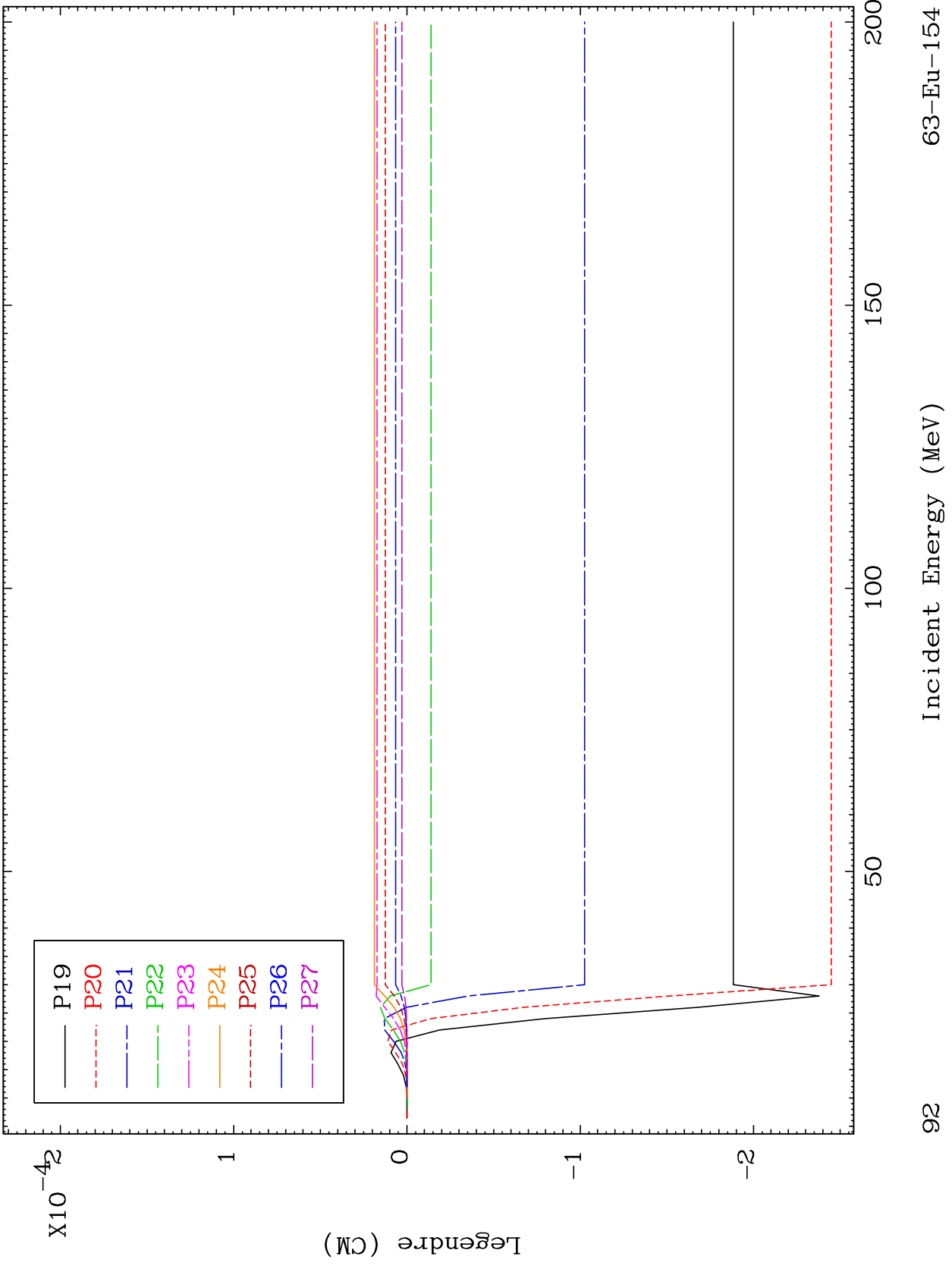
Incident Energy (MeV)

63-Eu-154

MAT 6334

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

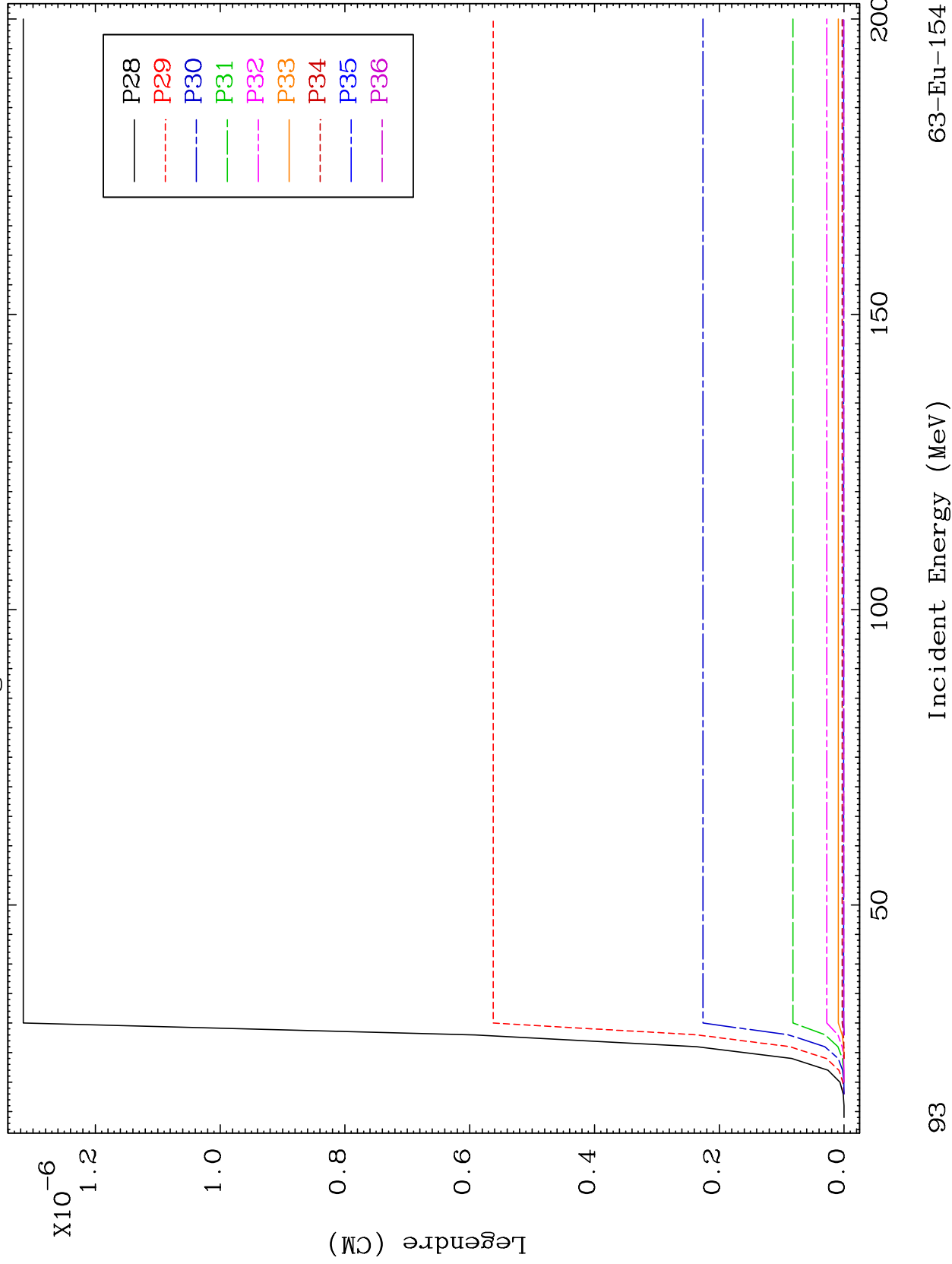
63-Eu-154



MAT 6334

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

63-Eu-154

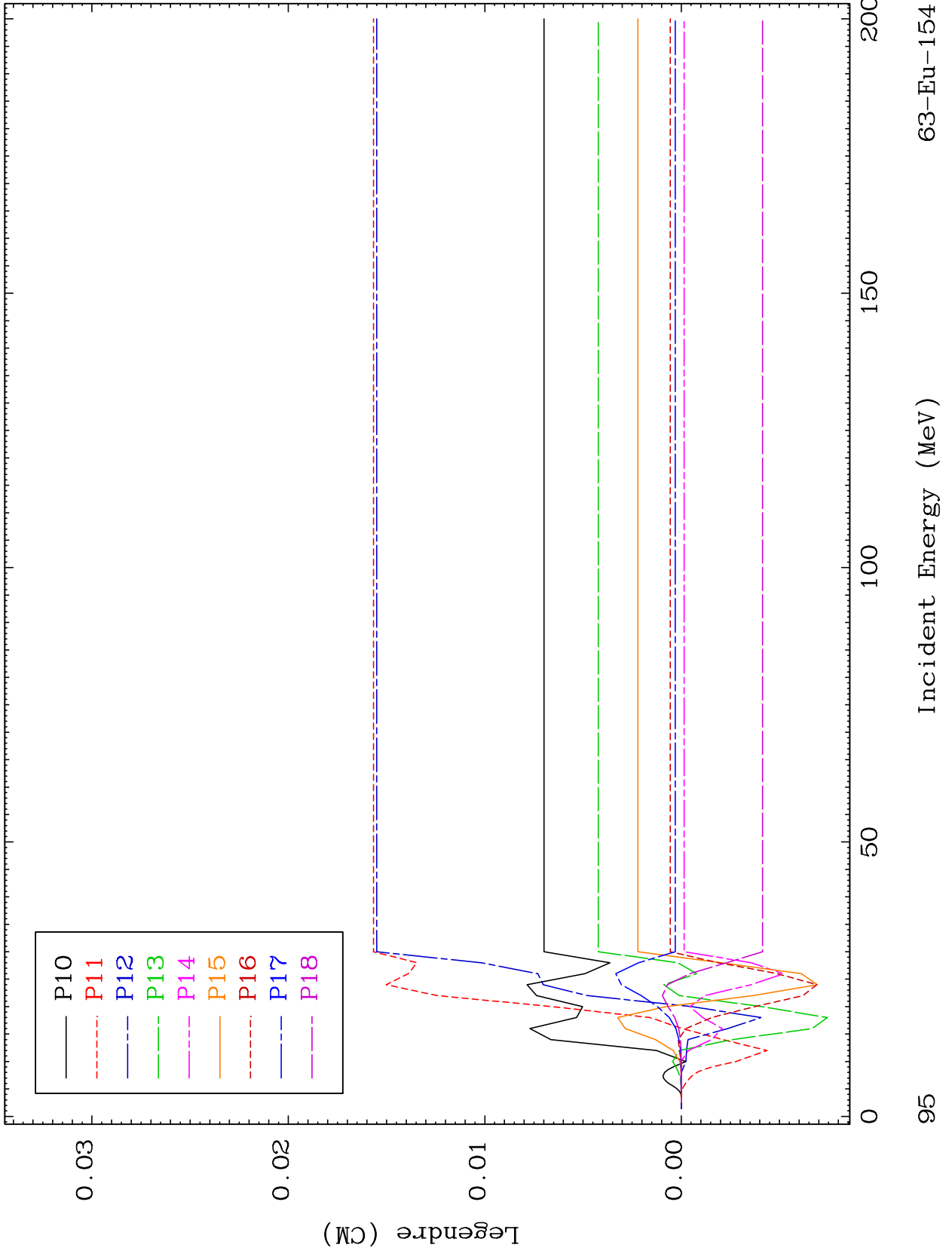




MAT 6334

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

63-Eu-154



63-Eu-154

Incident Energy (MeV)

95

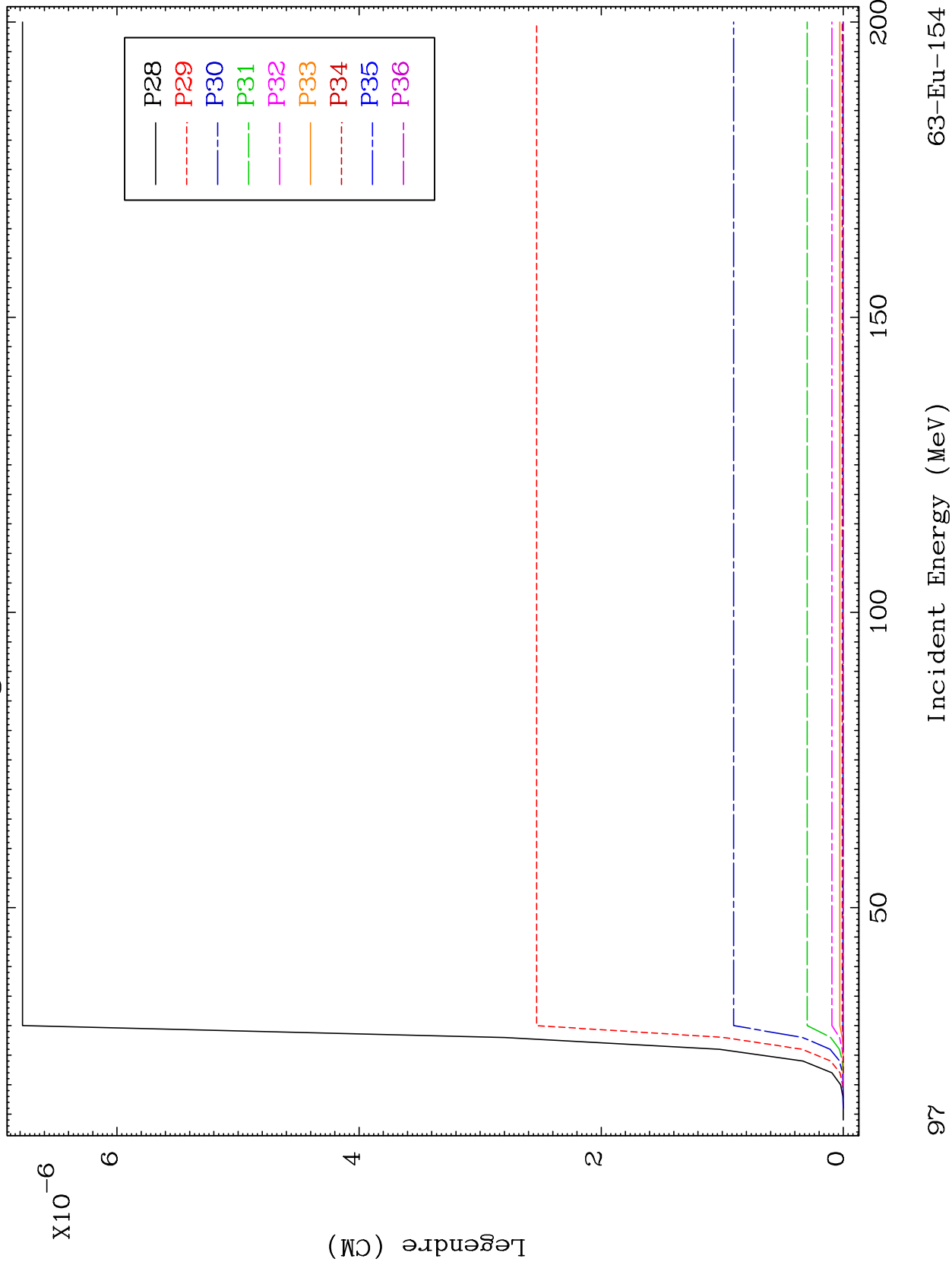




MAT 6334

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

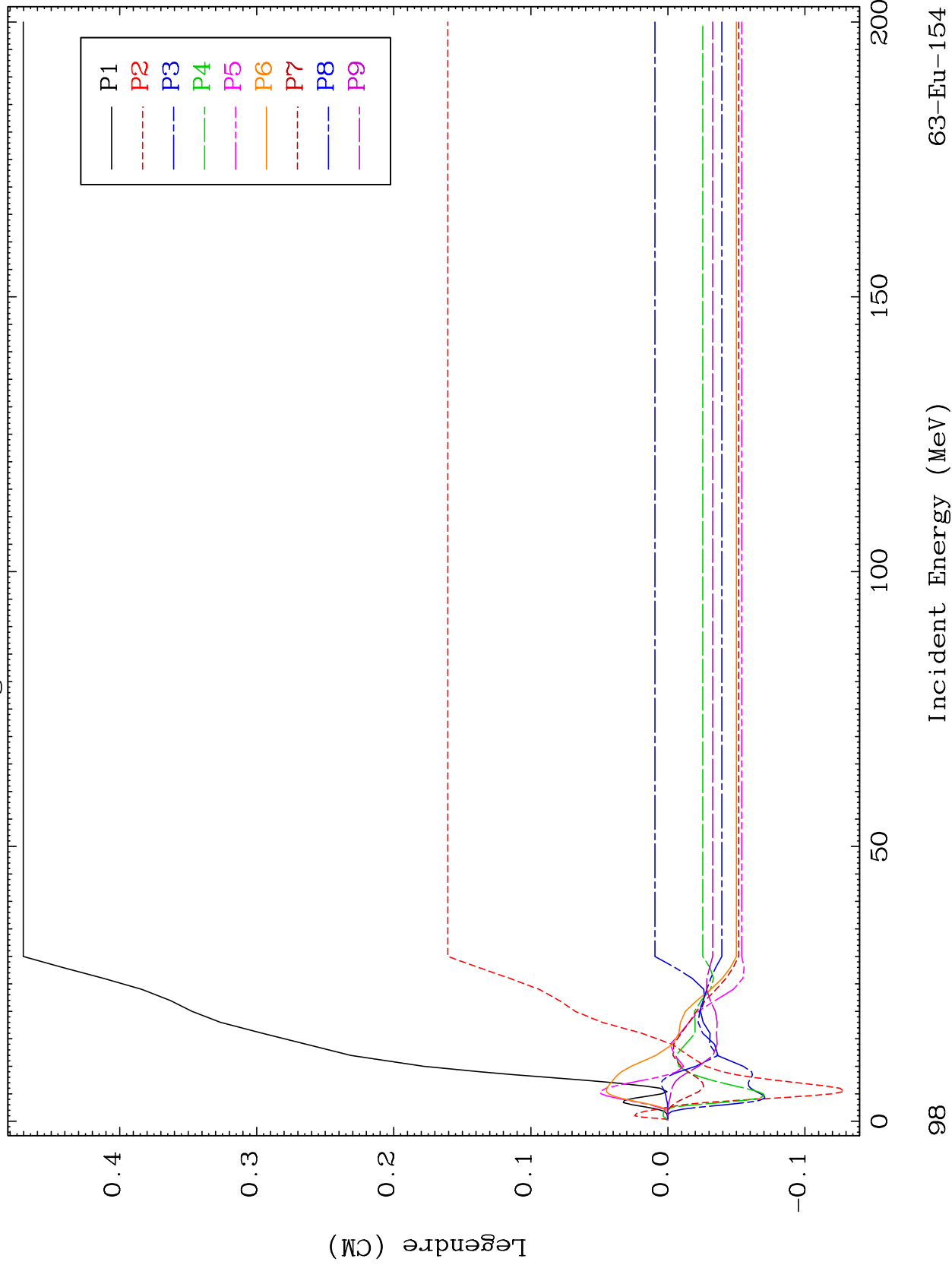
63-Eu-154



MAT 6334

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

63-Eu-154



63-Eu-154

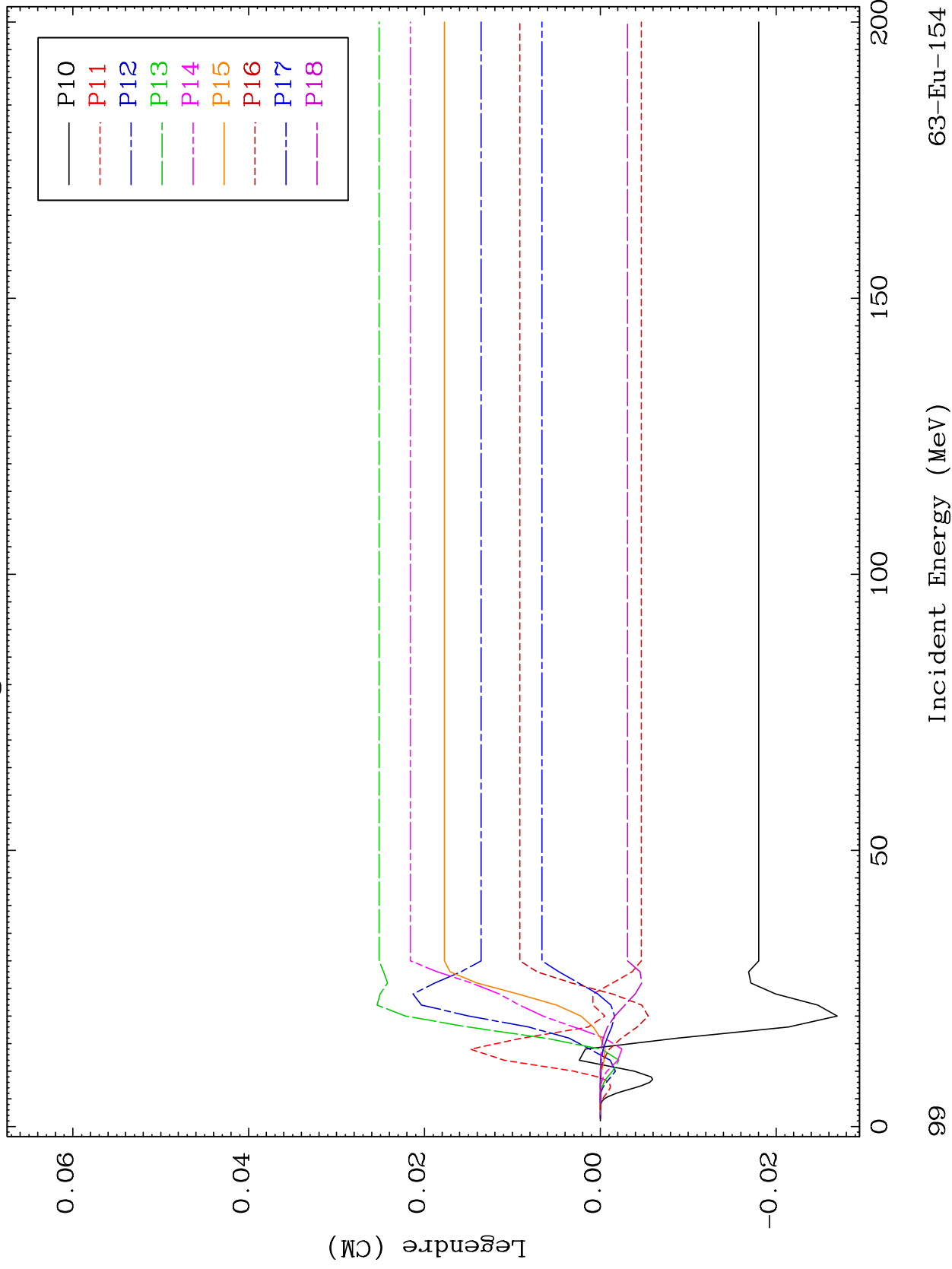
Incident Energy (MeV)

98

MAT 6334

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

63-Eu-154



99

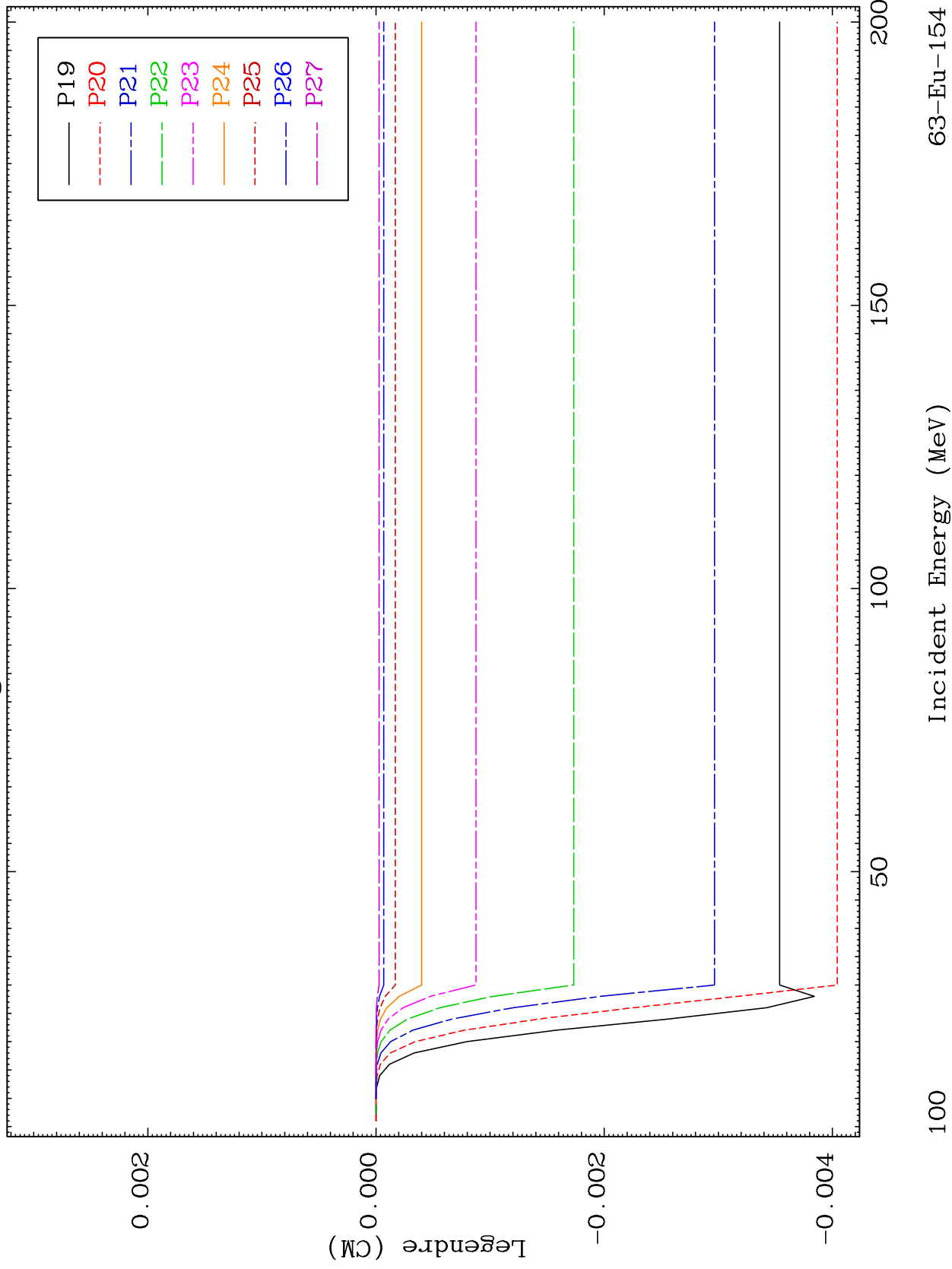
Incident Energy (MeV)

63-Eu-154

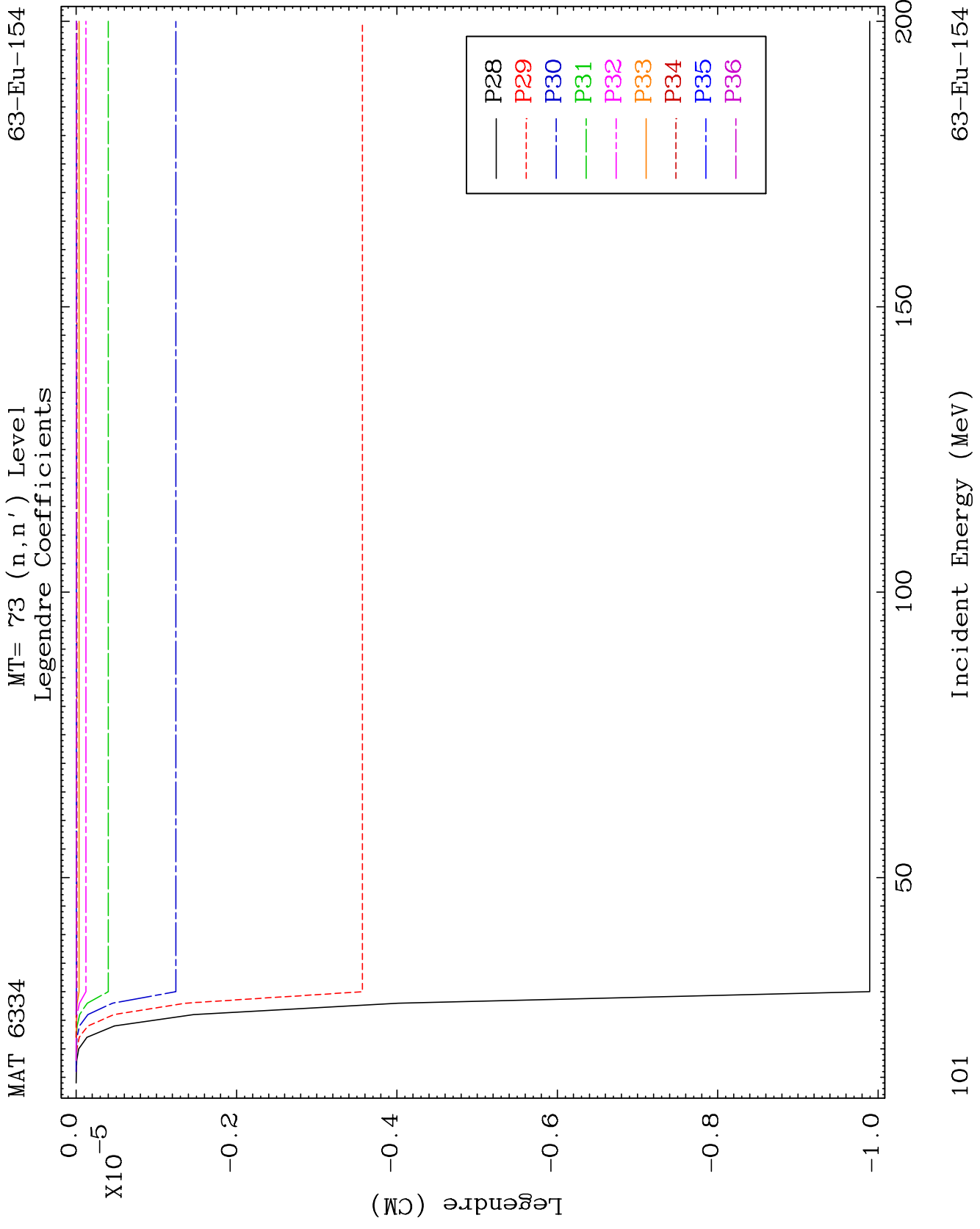
MAT 6334

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

63-Eu-154



63-Eu-154

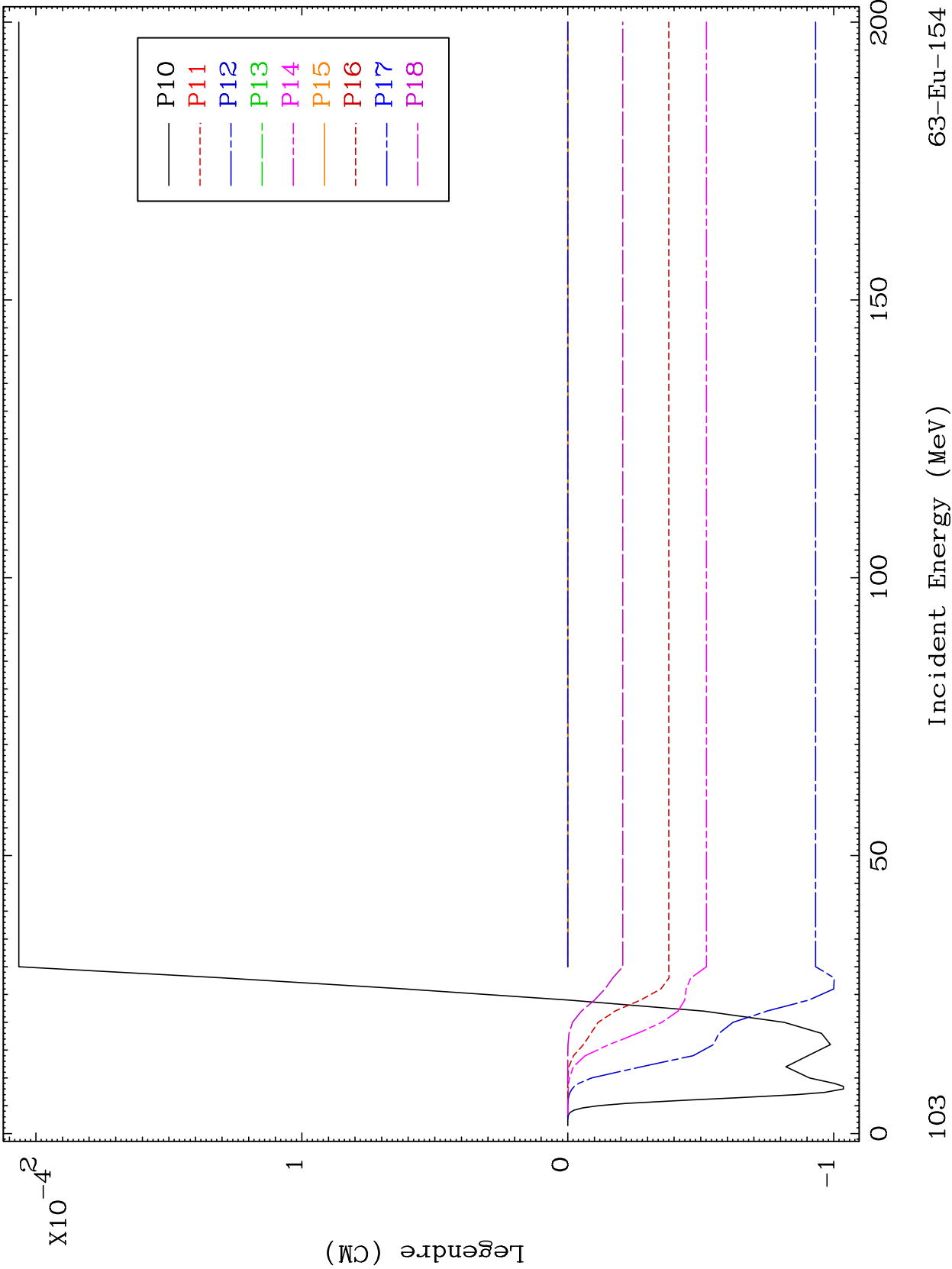




MAT 6334

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

63-Eu-154

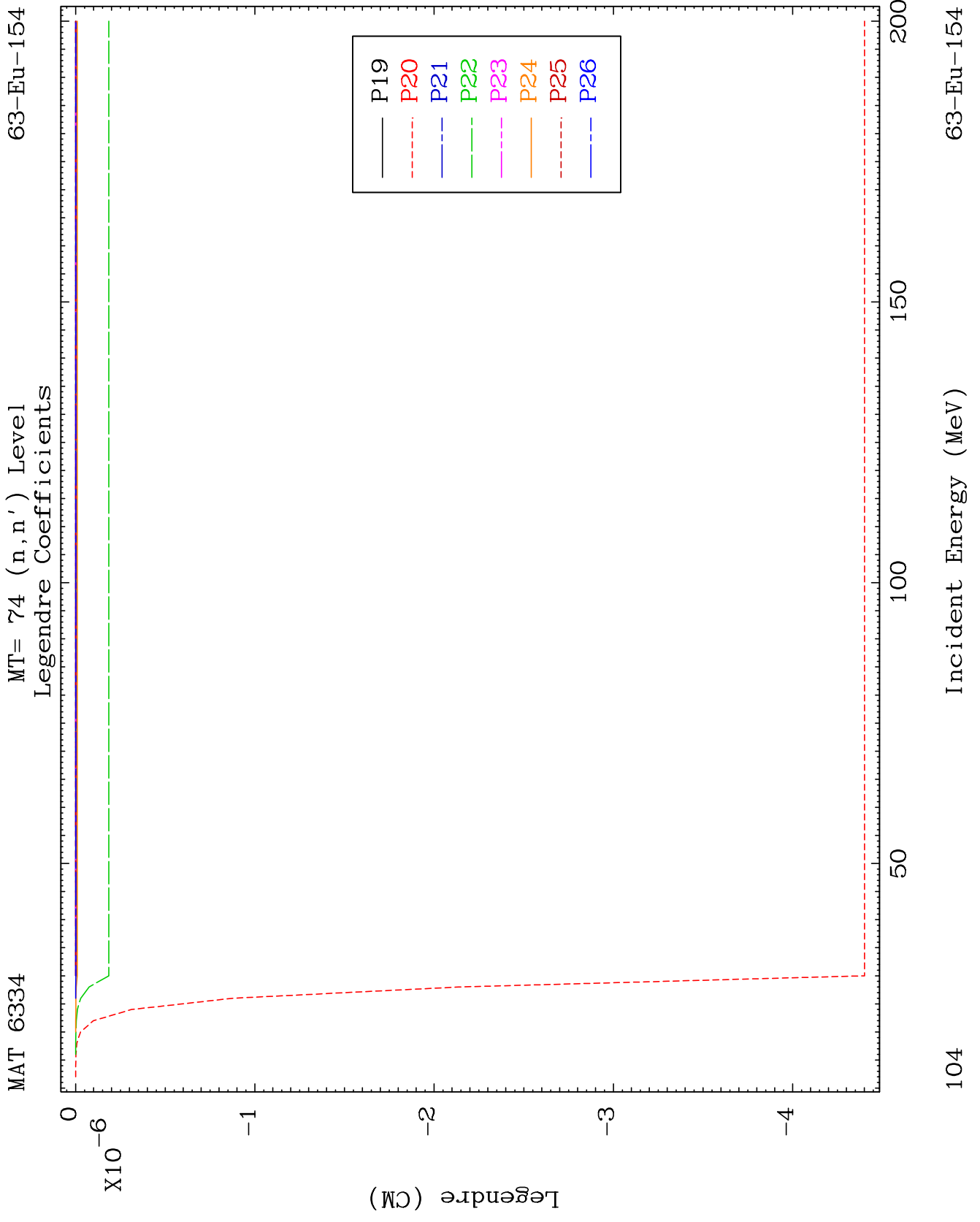


63-Eu-154

Incident Energy (MeV)

103

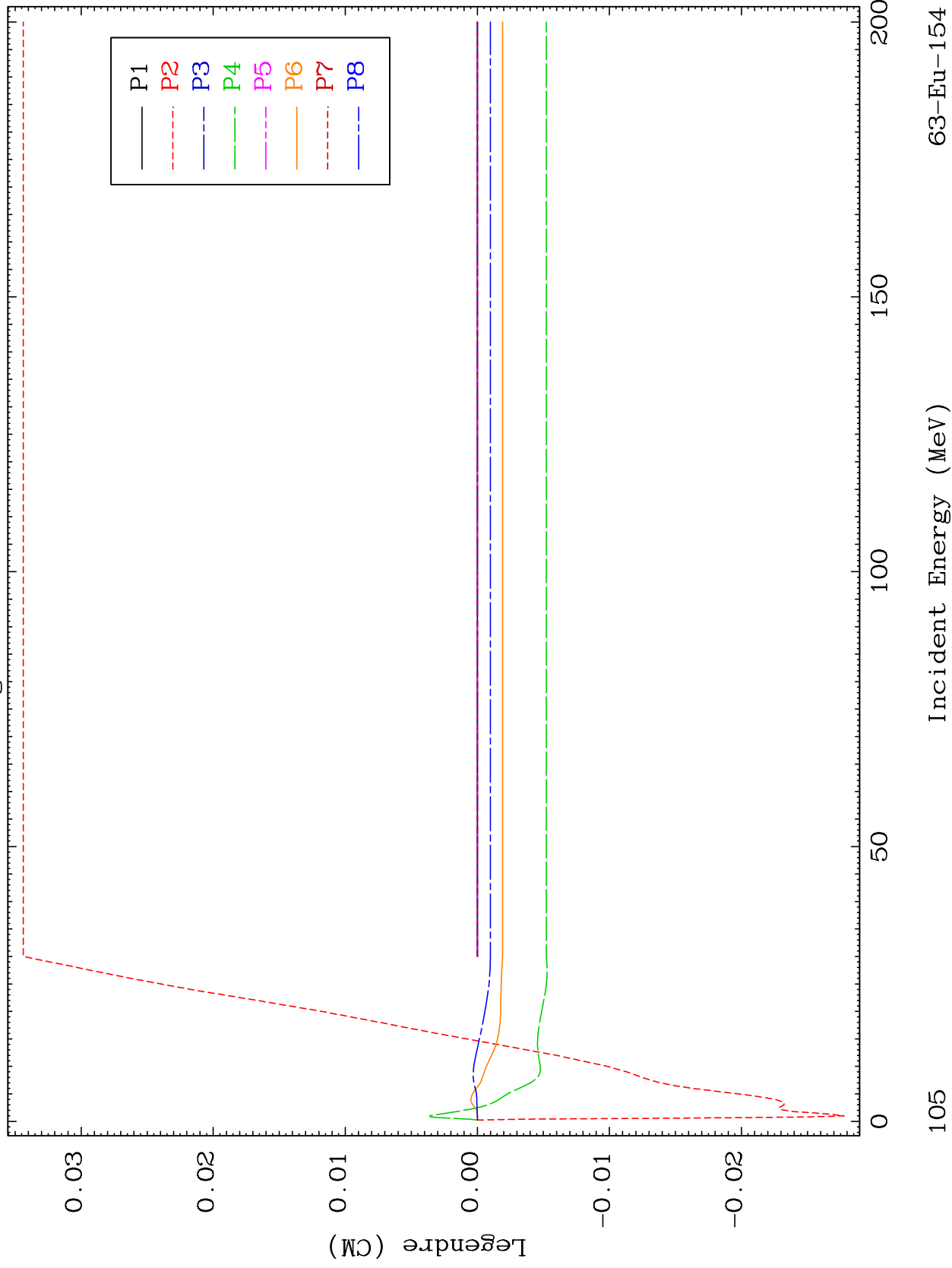




MAT 6334

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

63-Eu-154



63-Eu-154

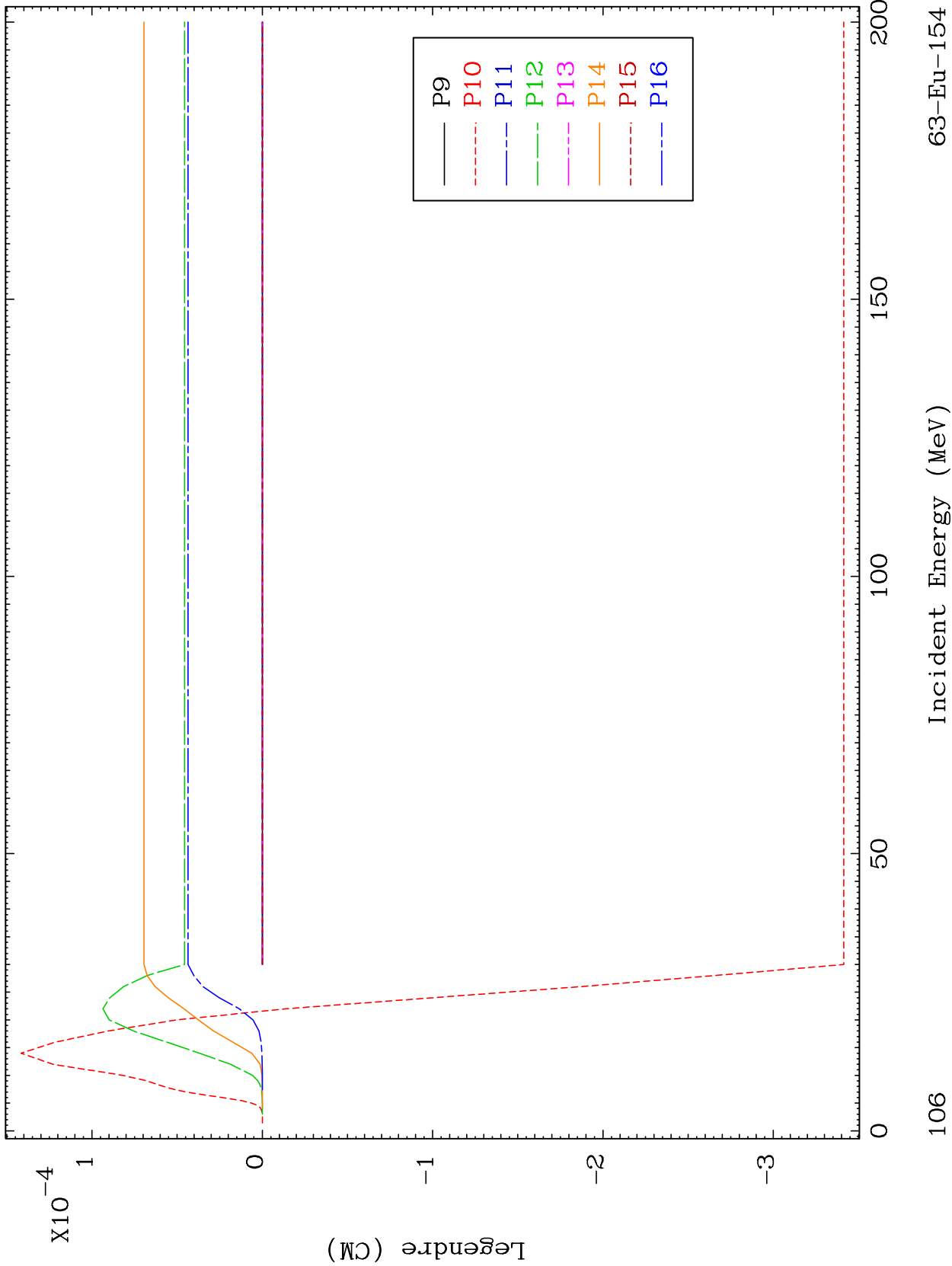
Incident Energy (MeV)

105

MAT 6334

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

63-Eu-154



63-Eu-154

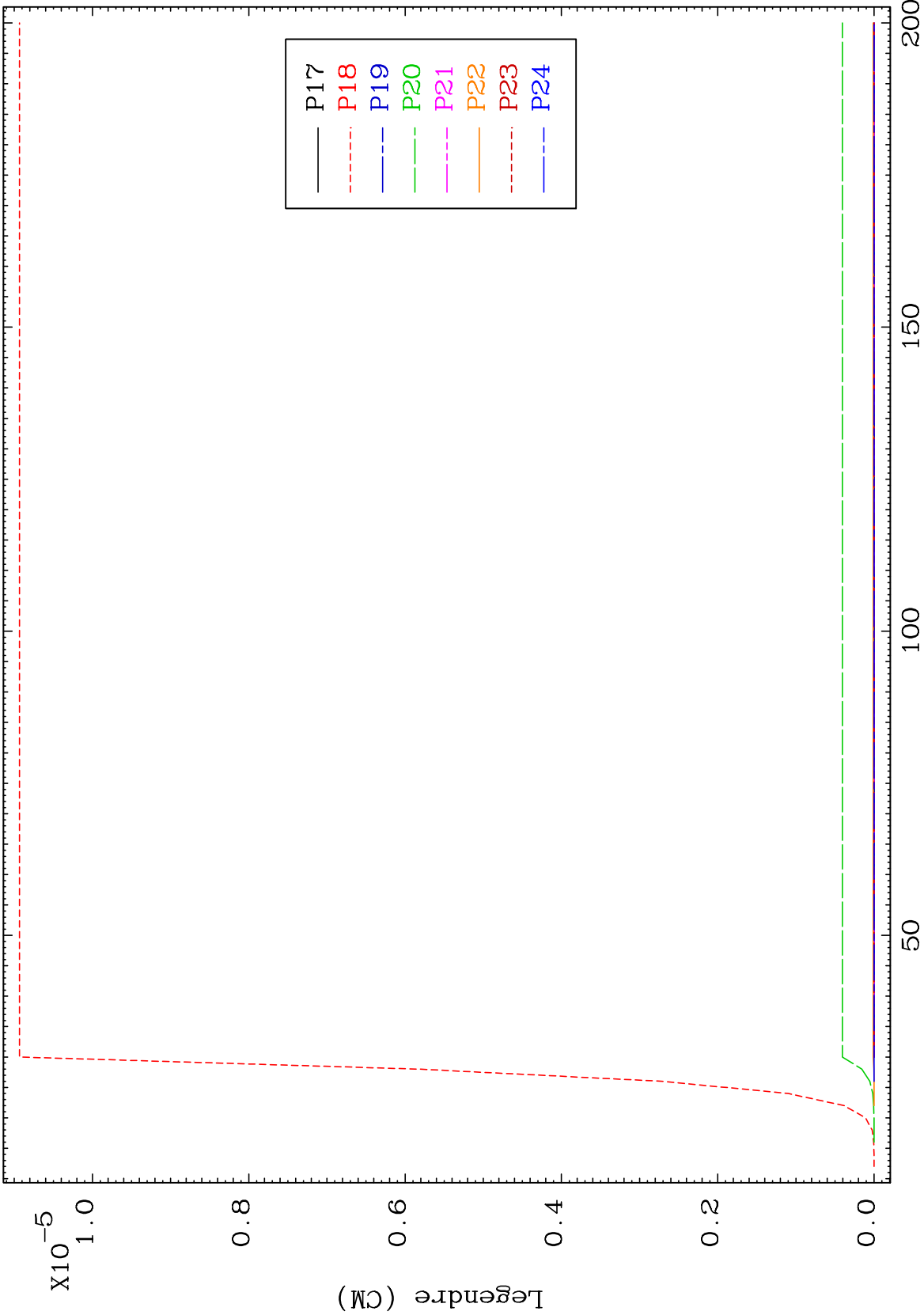
Incident Energy (MeV)

106

MAT 6334

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

63-Eu-154



63-Eu-154

Incident Energy (MeV)

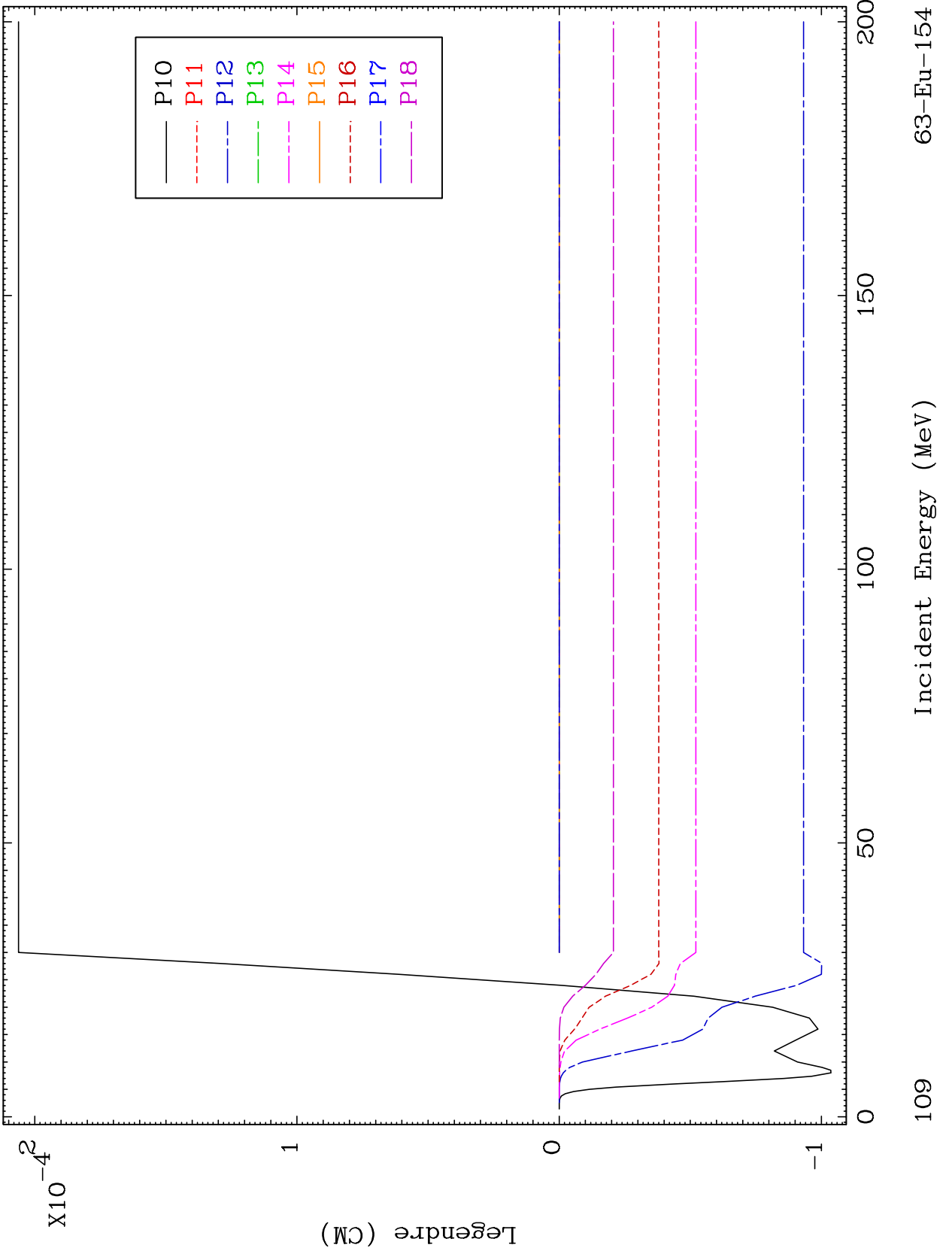
107



MAT 6334

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

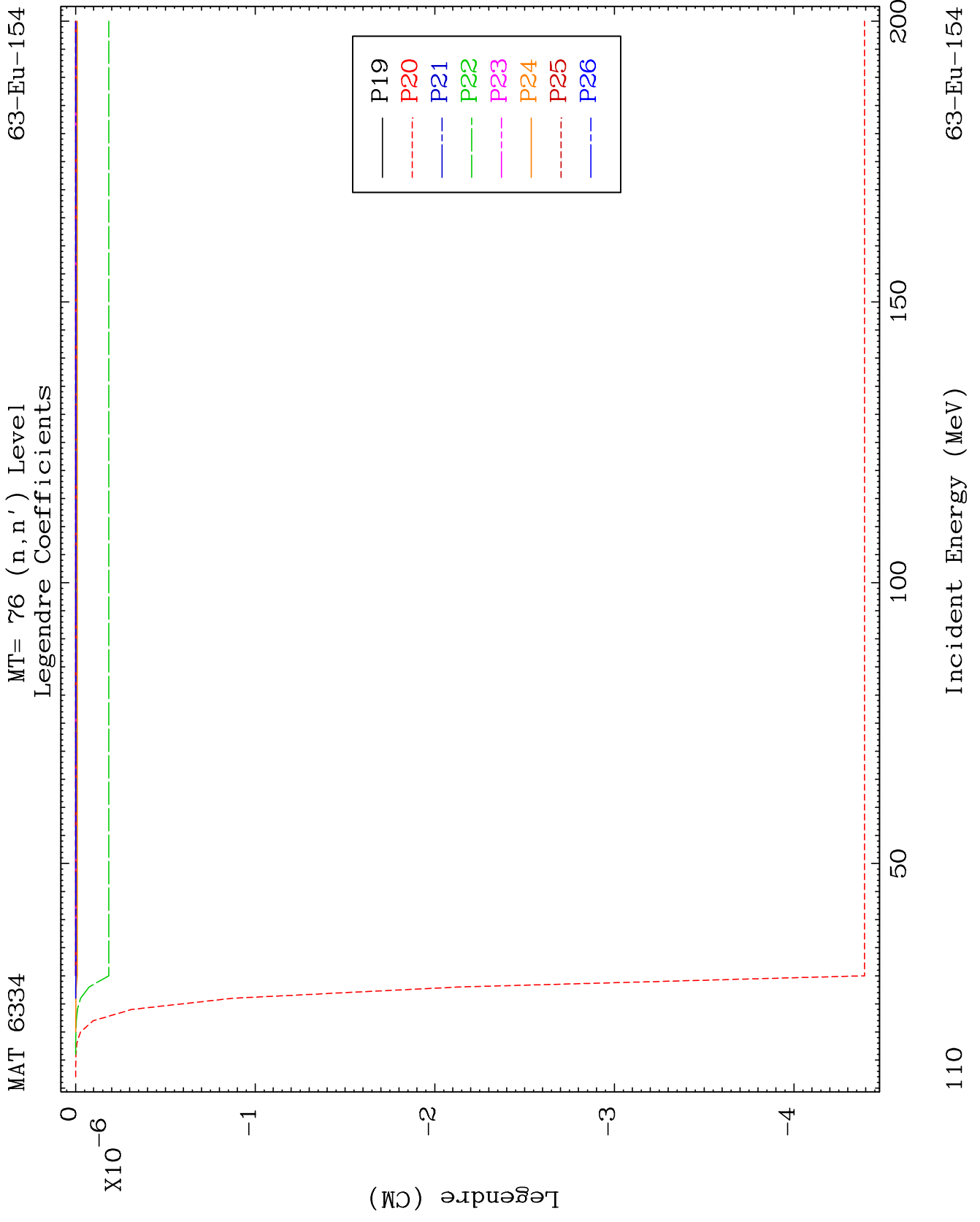
63-Eu-154



63-Eu-154

Incident Energy (MeV)

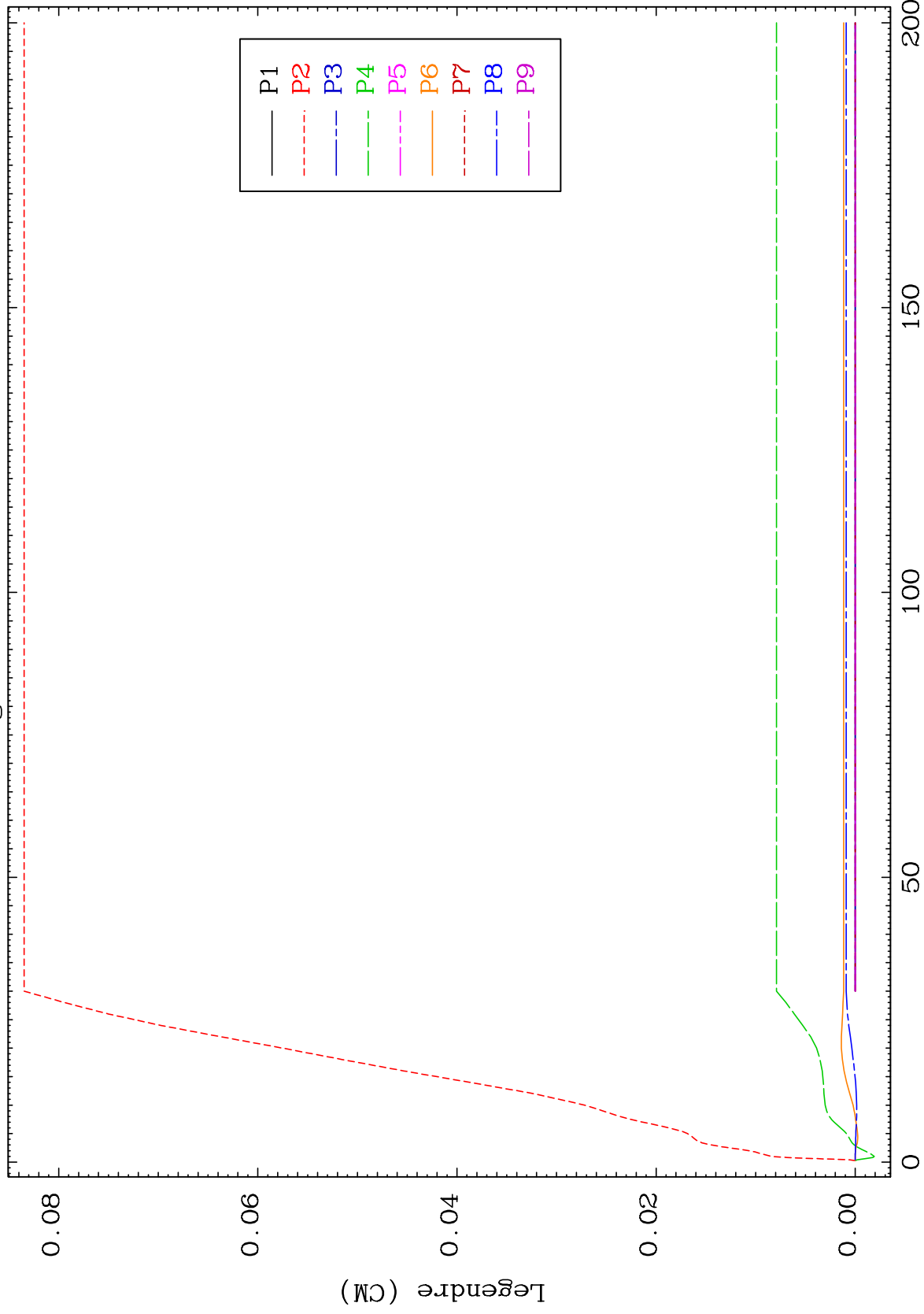
109



MAT 6334

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

63-Eu-154



111

Incident Energy (MeV)

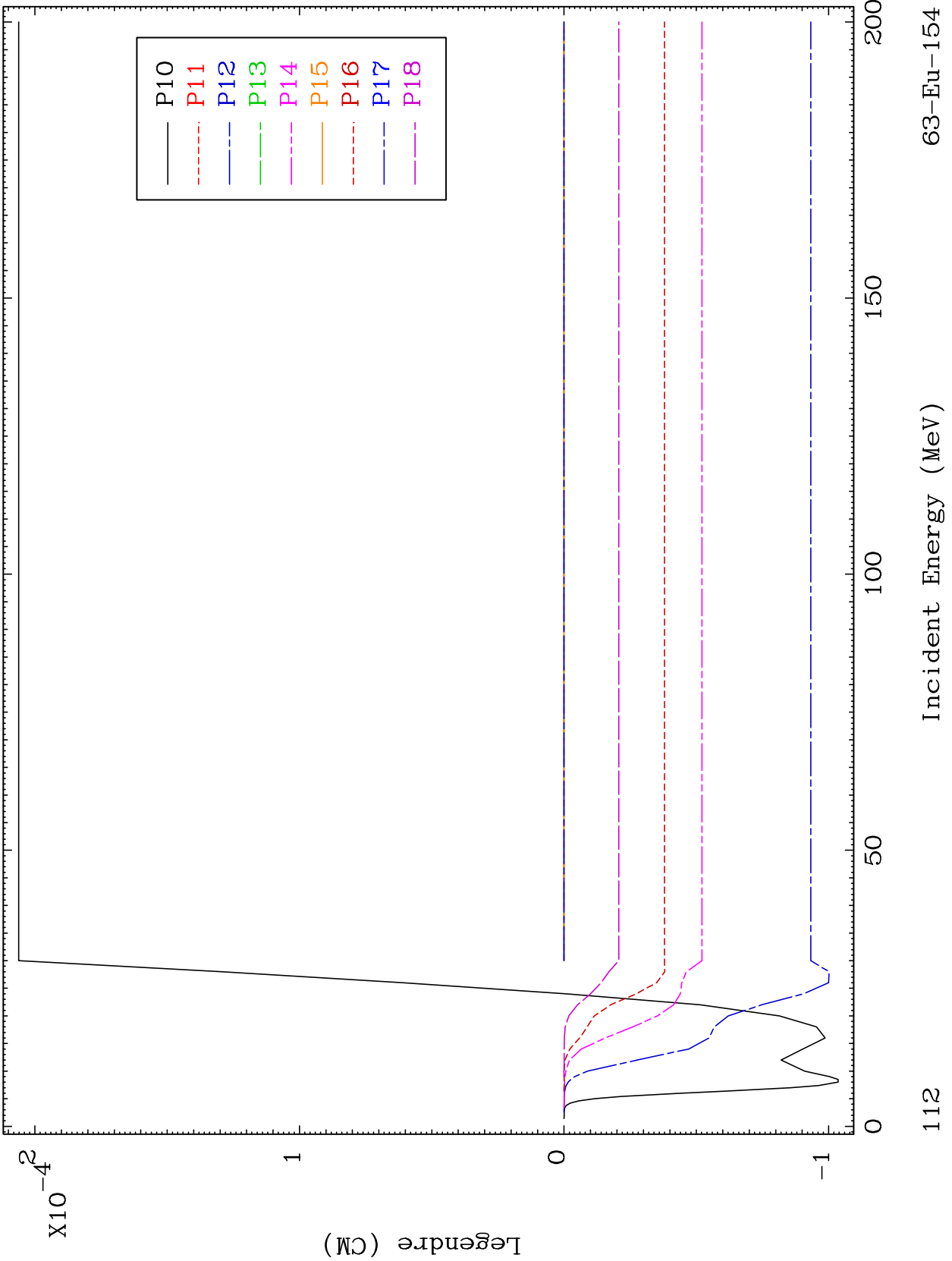
63-Eu-154



MAT 6334

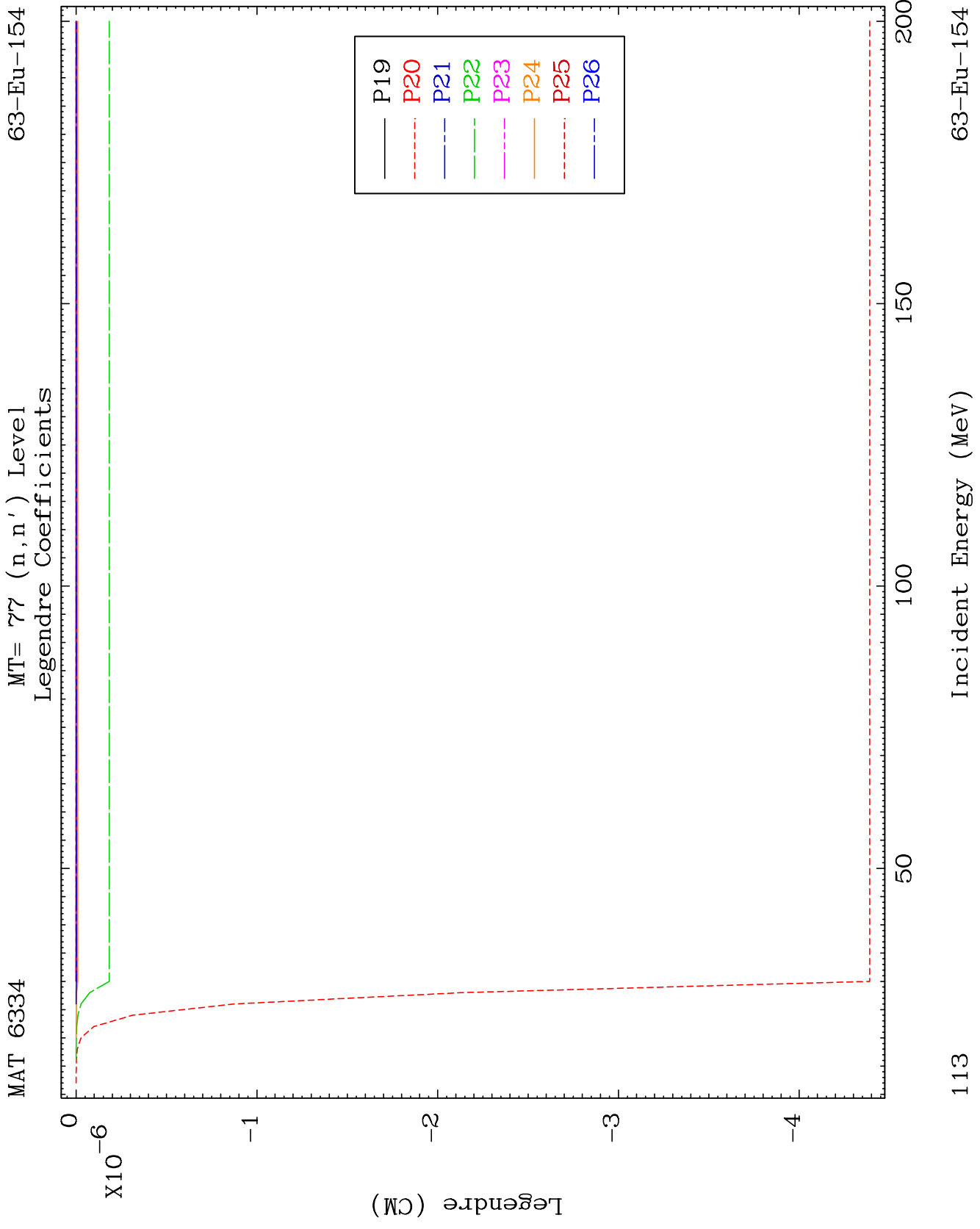
MT= 77 (n,n') Level  
Legendre Coefficients

63-Eu-154



112

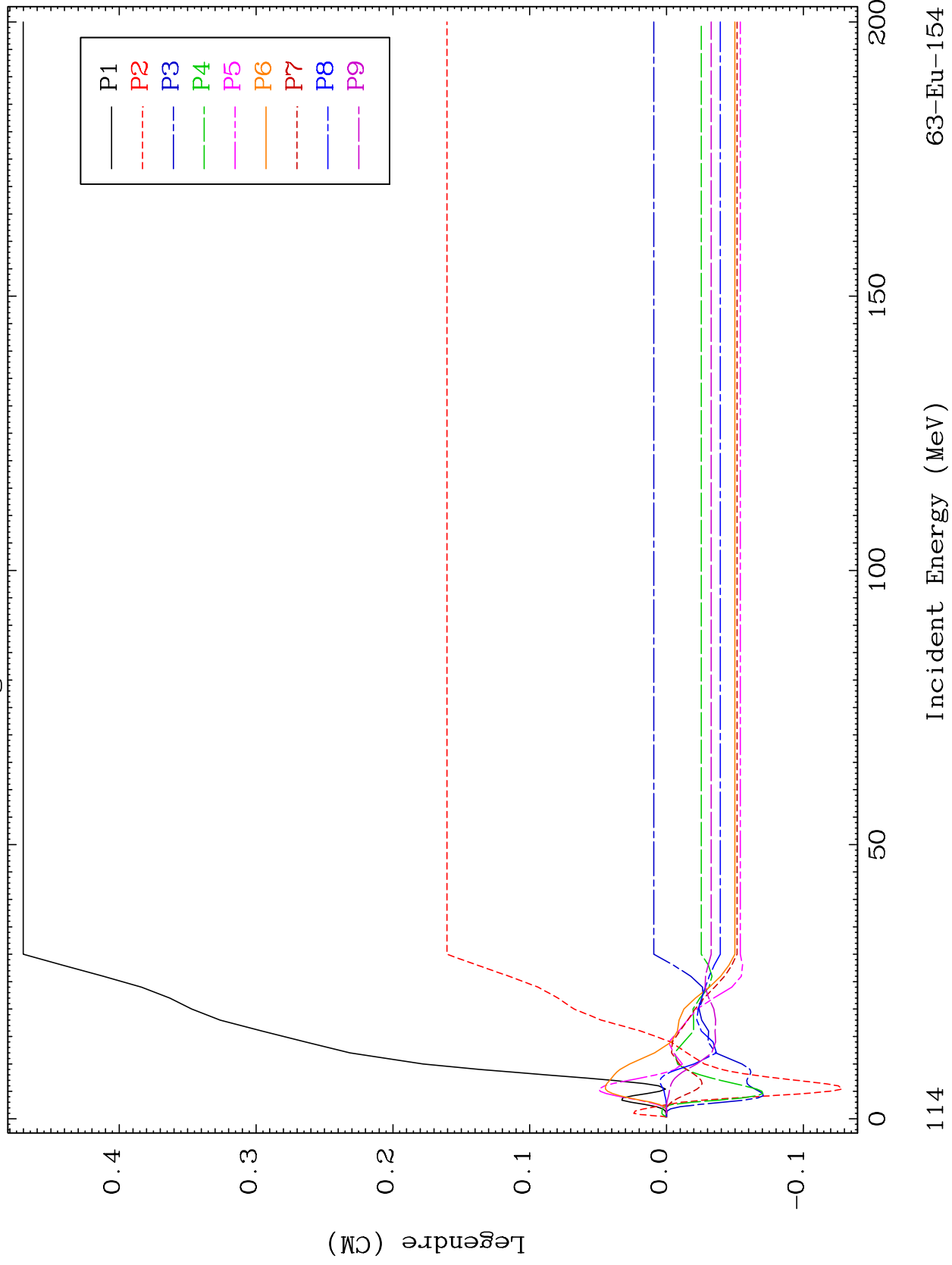
63-Eu-154



MAT 6334

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

63-Eu-154



63-Eu-154

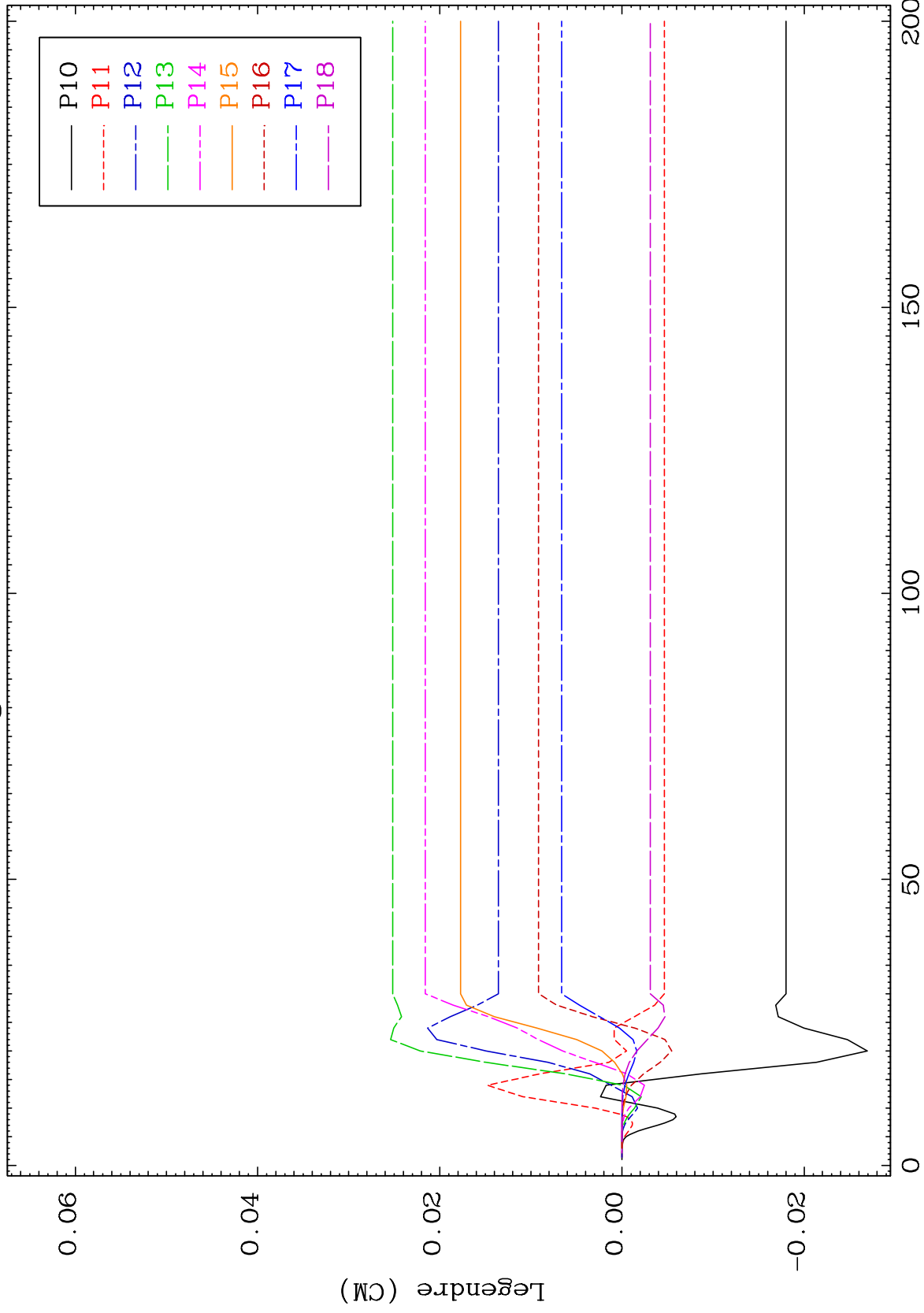
Incident Energy (MeV)

114

MAT 6334

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

63-Eu-154



115

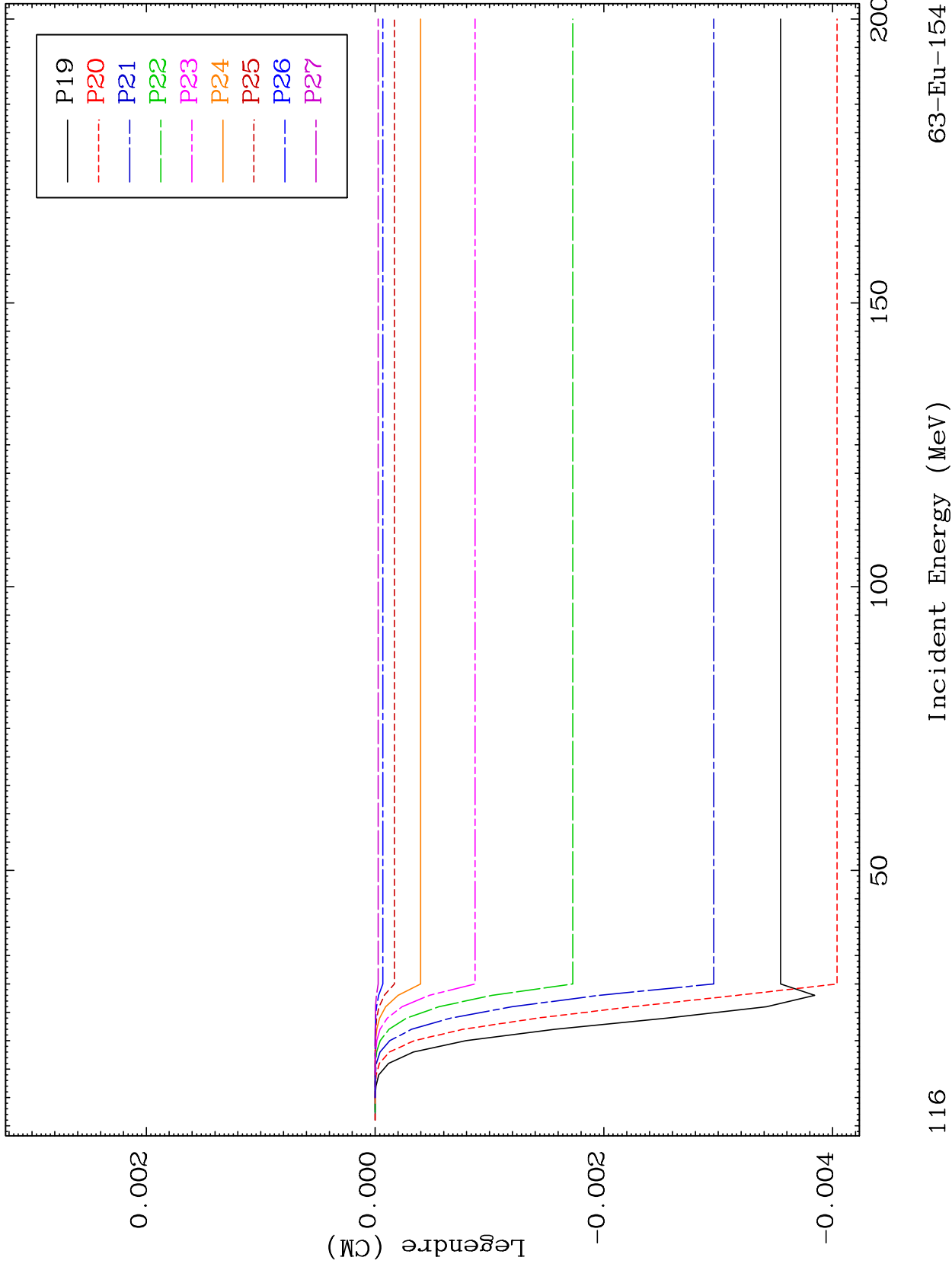
Incident Energy (MeV)

63-Eu-154

MAT 6334

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

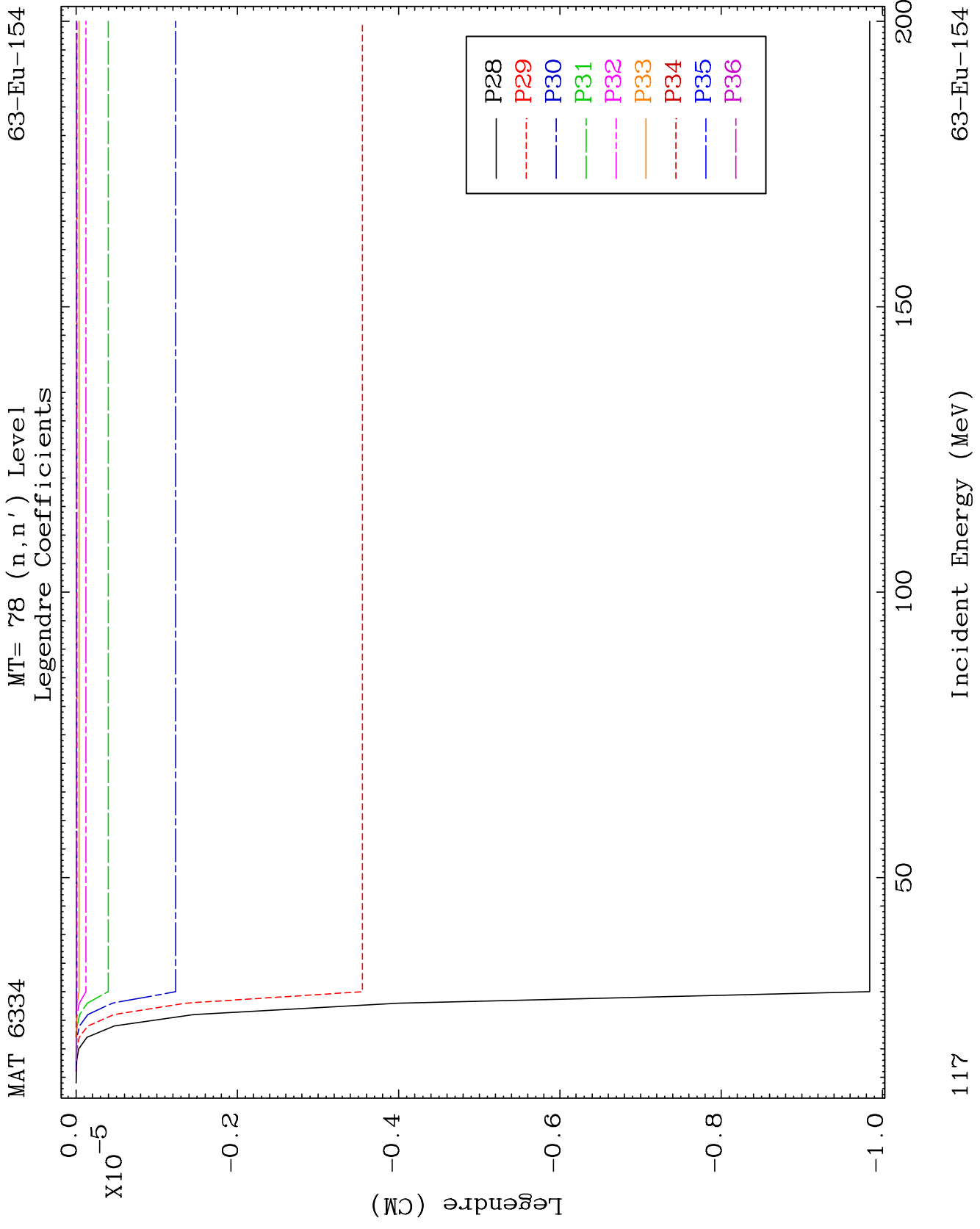
63-Eu-154



116

Incident Energy (MeV)

63-Eu-154

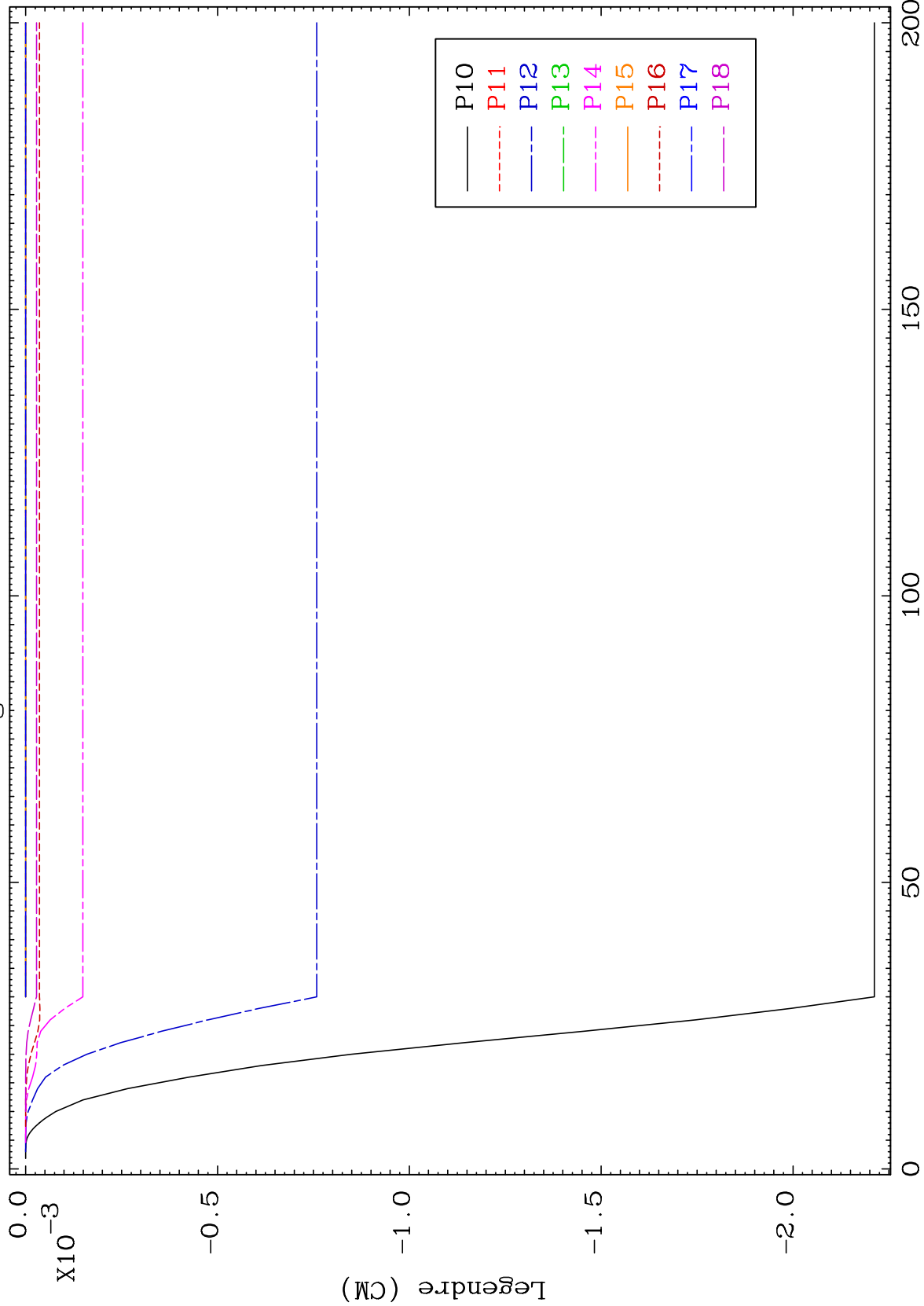




MAT 6334

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

63-Eu-154

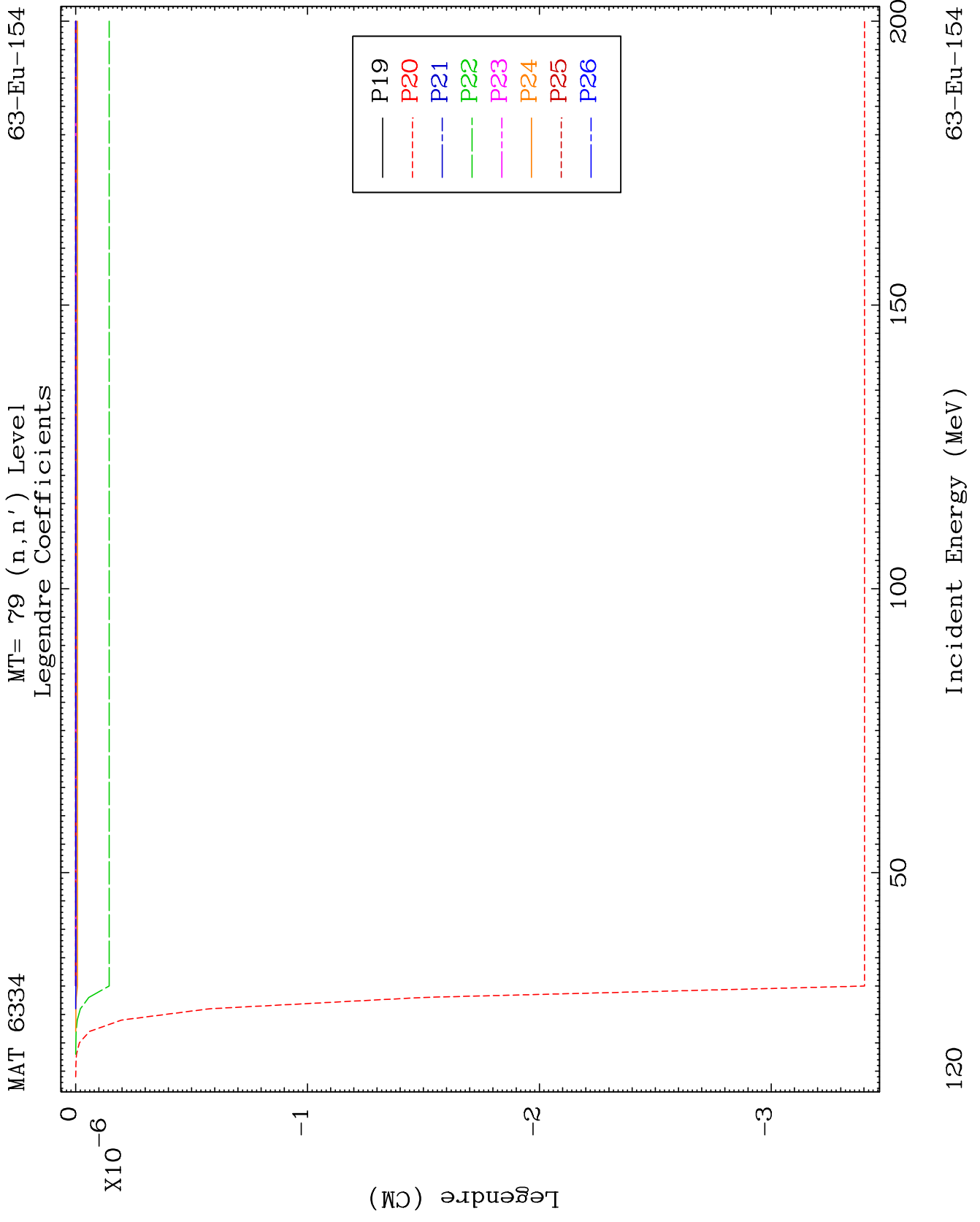


119

Incident Energy (MeV)

63-Eu-154



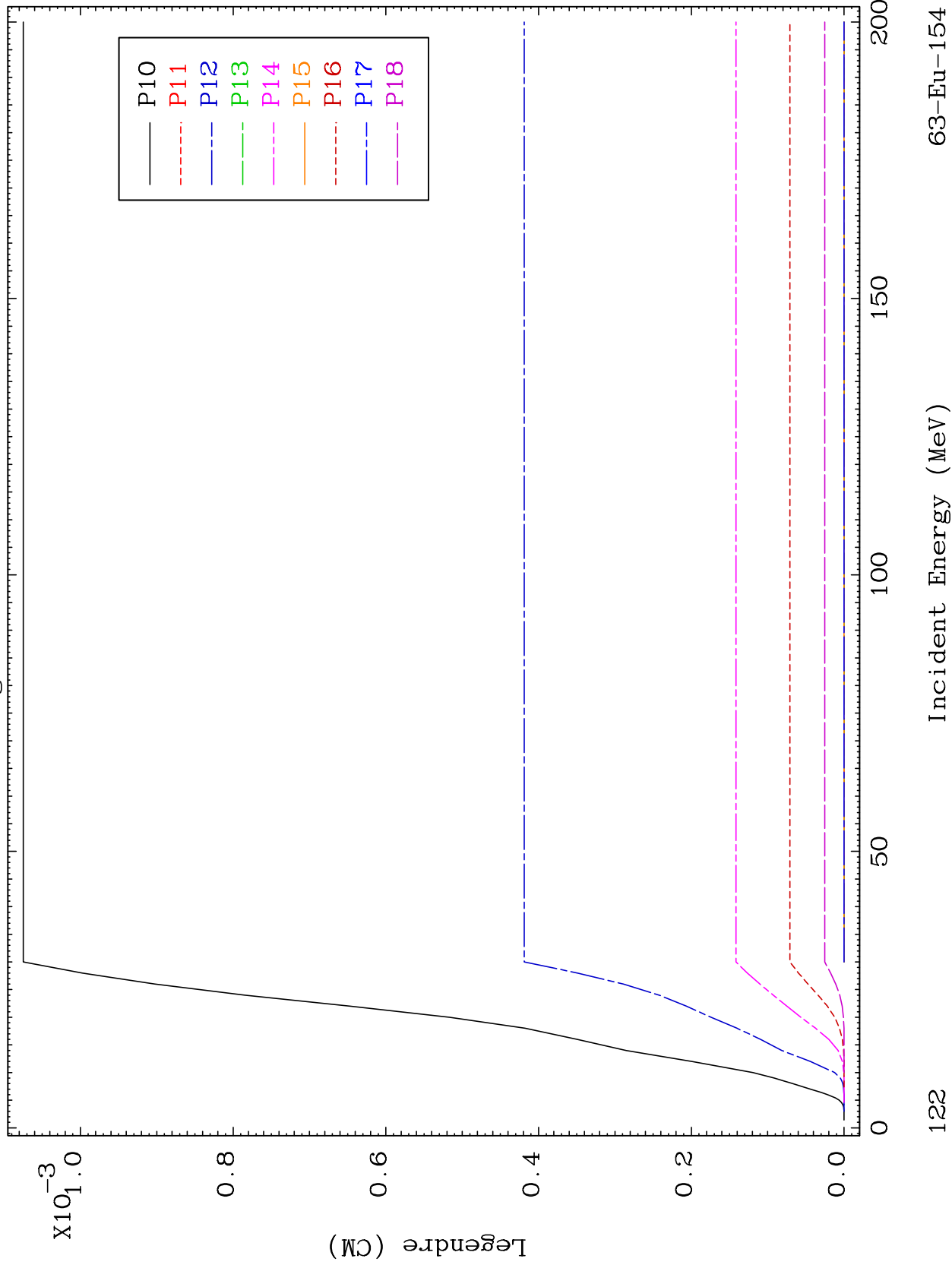




MAT 6334

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

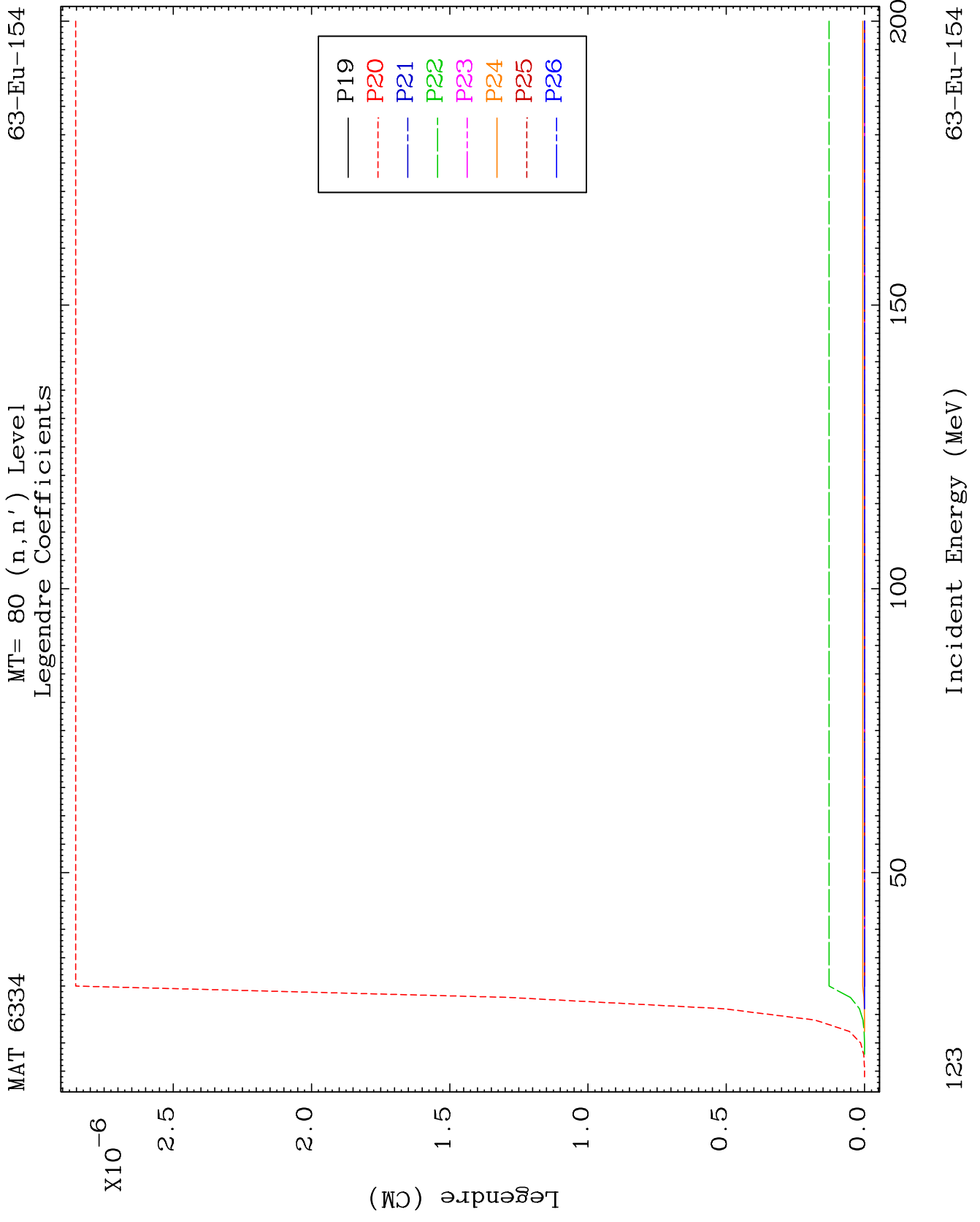
63-Eu-154



63-Eu-154

Incident Energy (MeV)

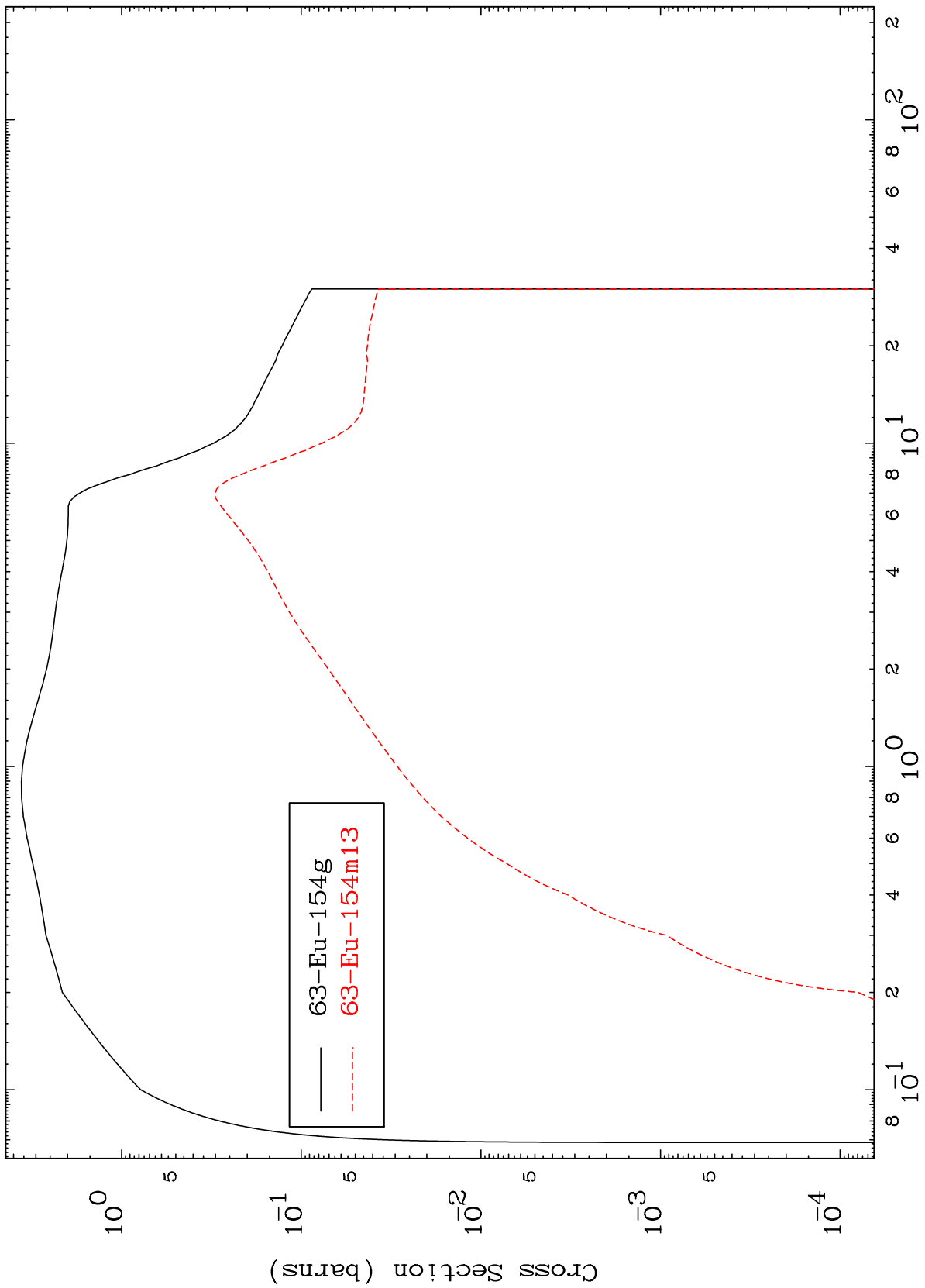
122



MAT 6334

63-Eu-154

Inelastic  
Radionuclide Production Cross Section



124

63-Eu-154

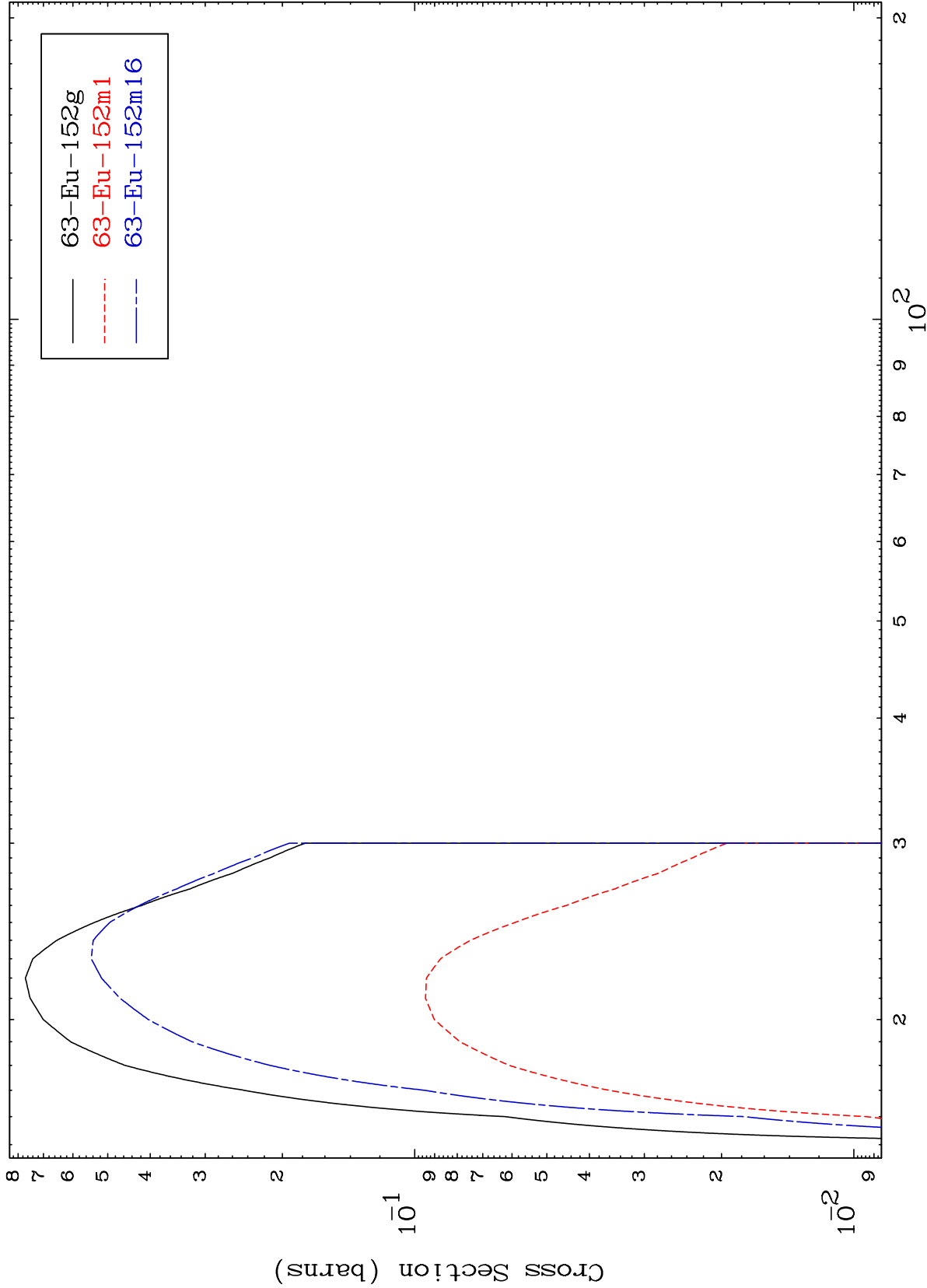
Incident Energy (MeV)

MAT 6334

(n,3n)

63-Eu-154

Radionuclide Production Cross Section



125

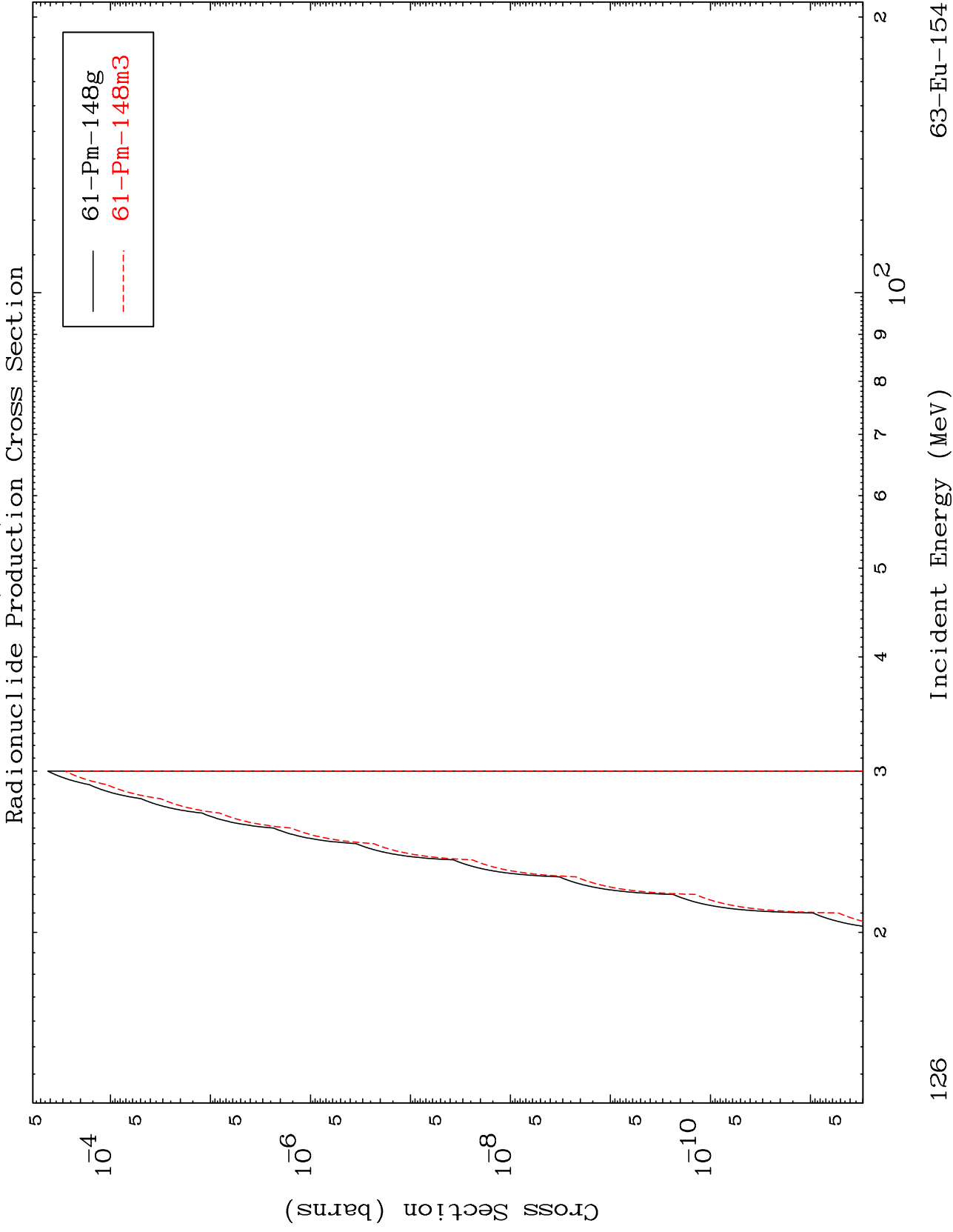
Incident Energy (MeV)

63-Eu-154

MAT 6334

(n,3n)  $\alpha$

63-Eu-154

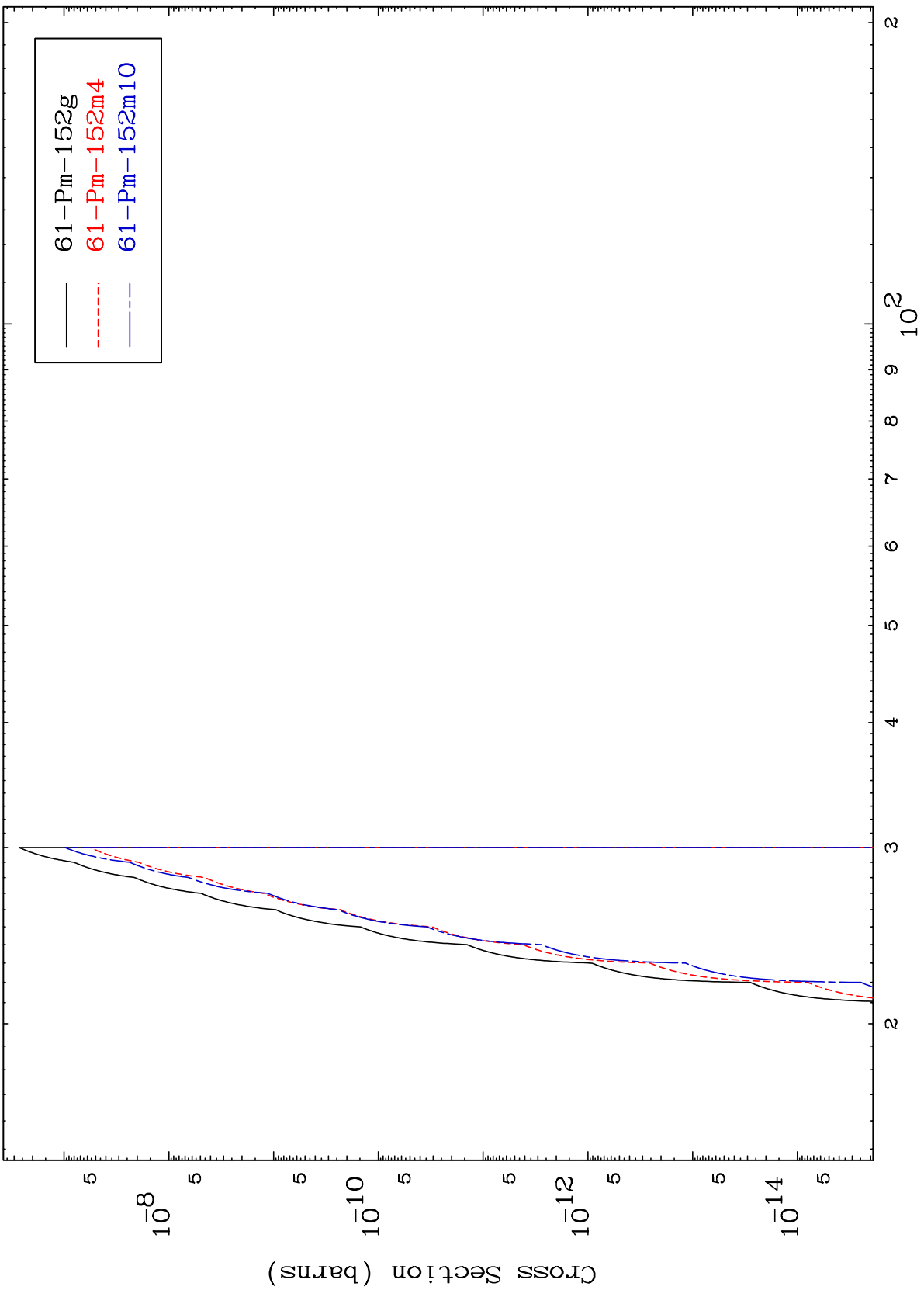


126

Incident Energy (MeV)

63-Eu-154

Radionuclide Production Cross Section



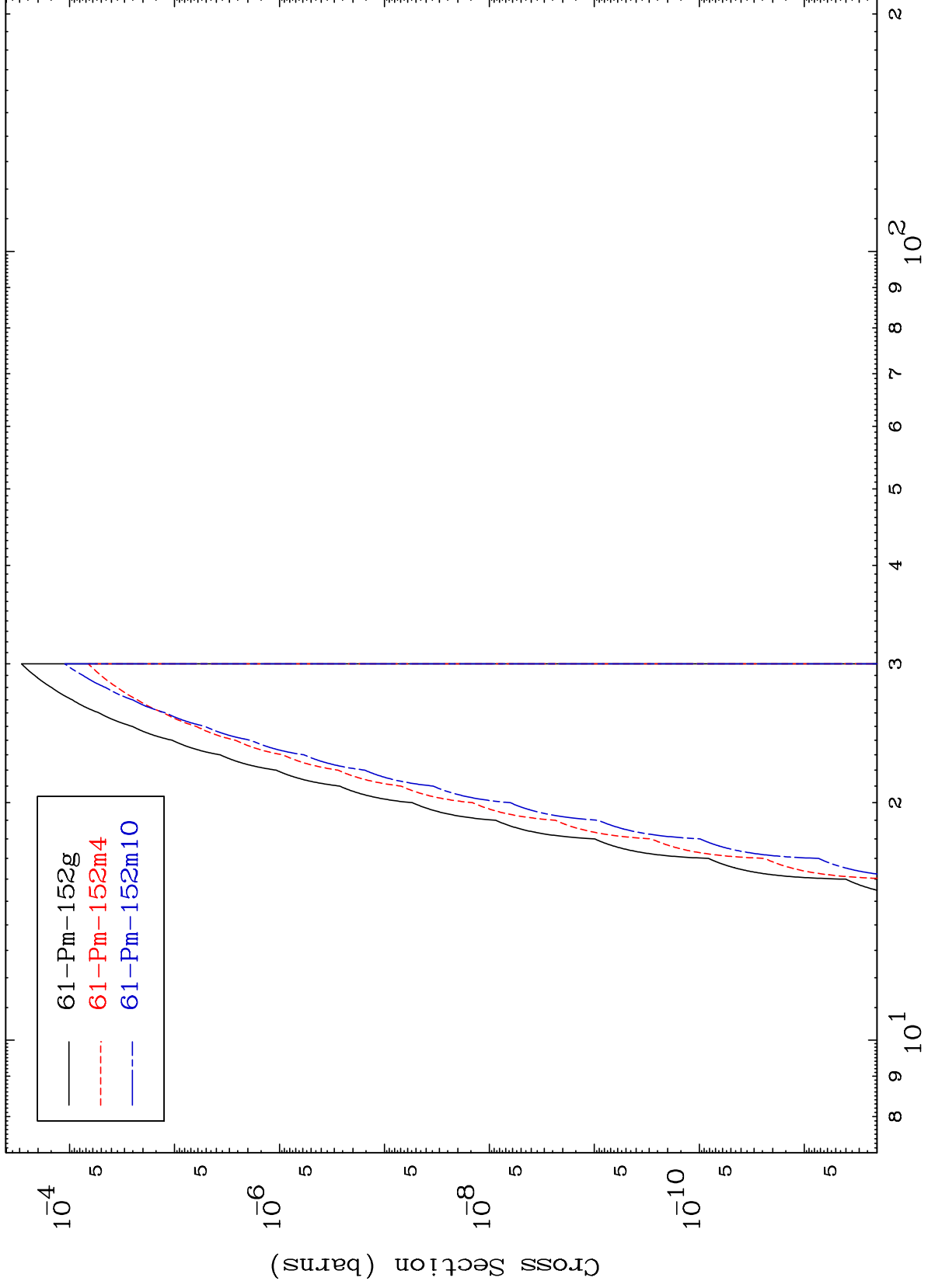


MAT 6334

(n,He-3)

63-Eu-154

Radionuclide Production Cross Section



128

Incident Energy (MeV)

63-Eu-154

Radionuclide Production Cross Section

