

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

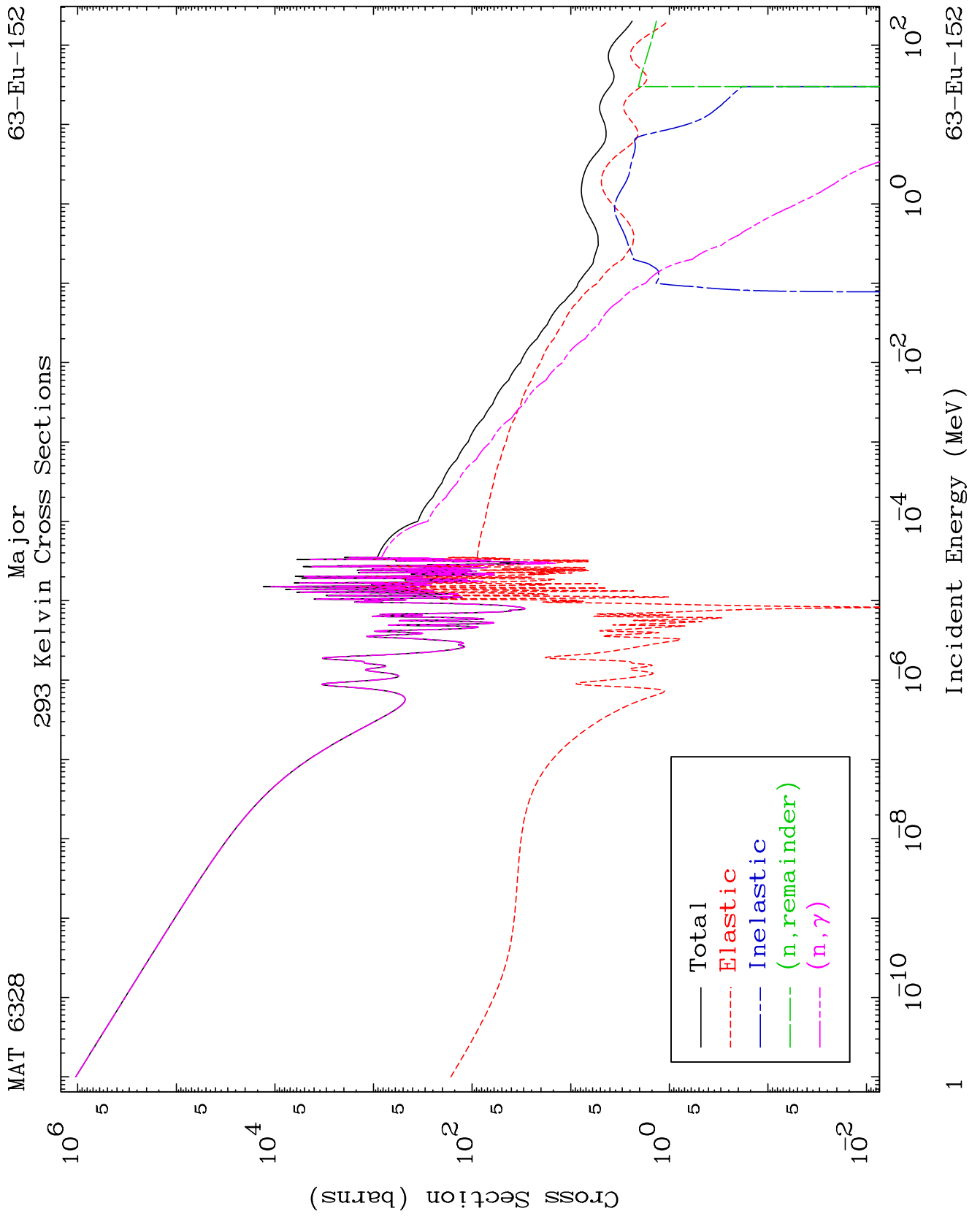
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Livermore, CA 94550
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

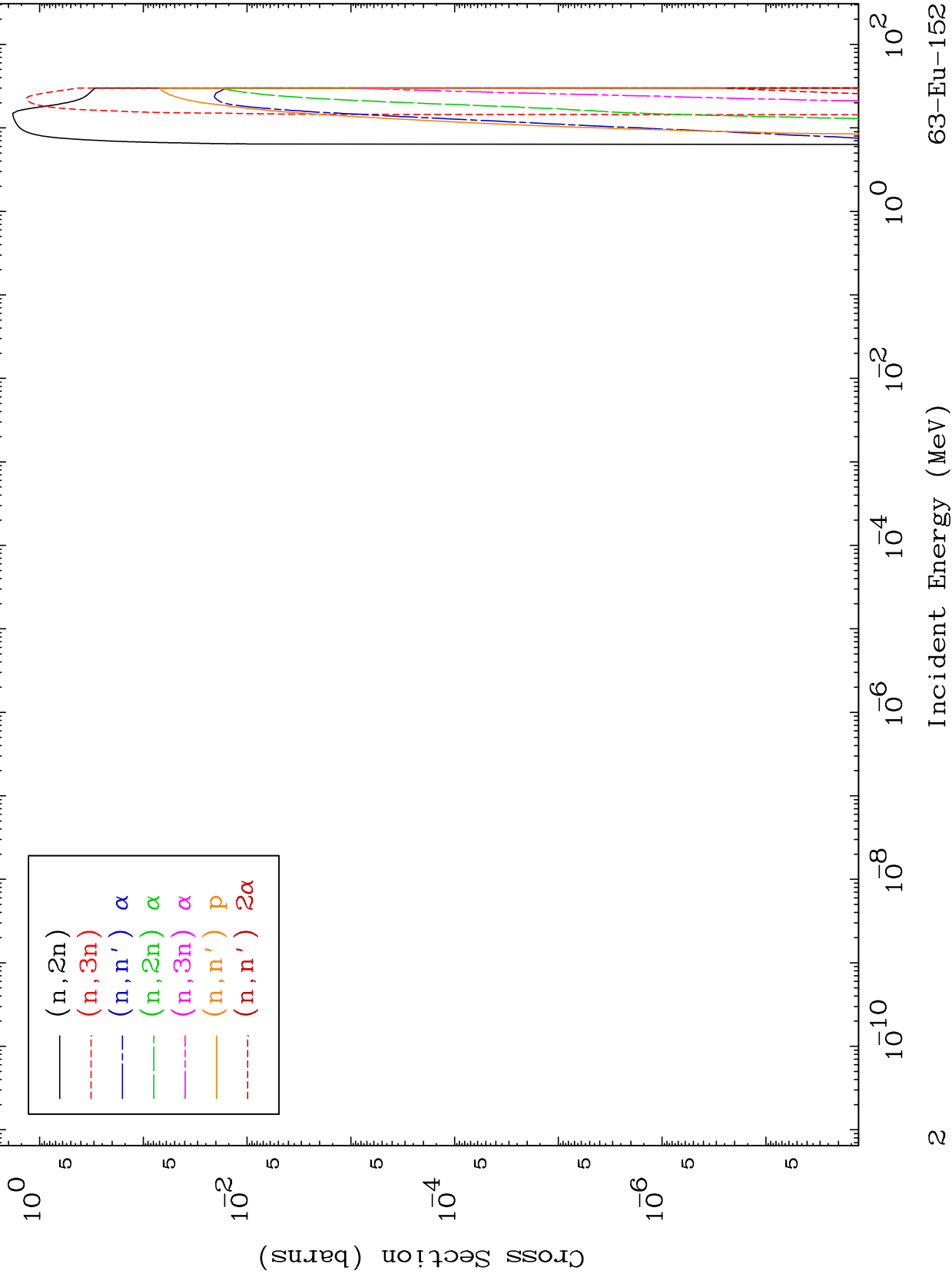
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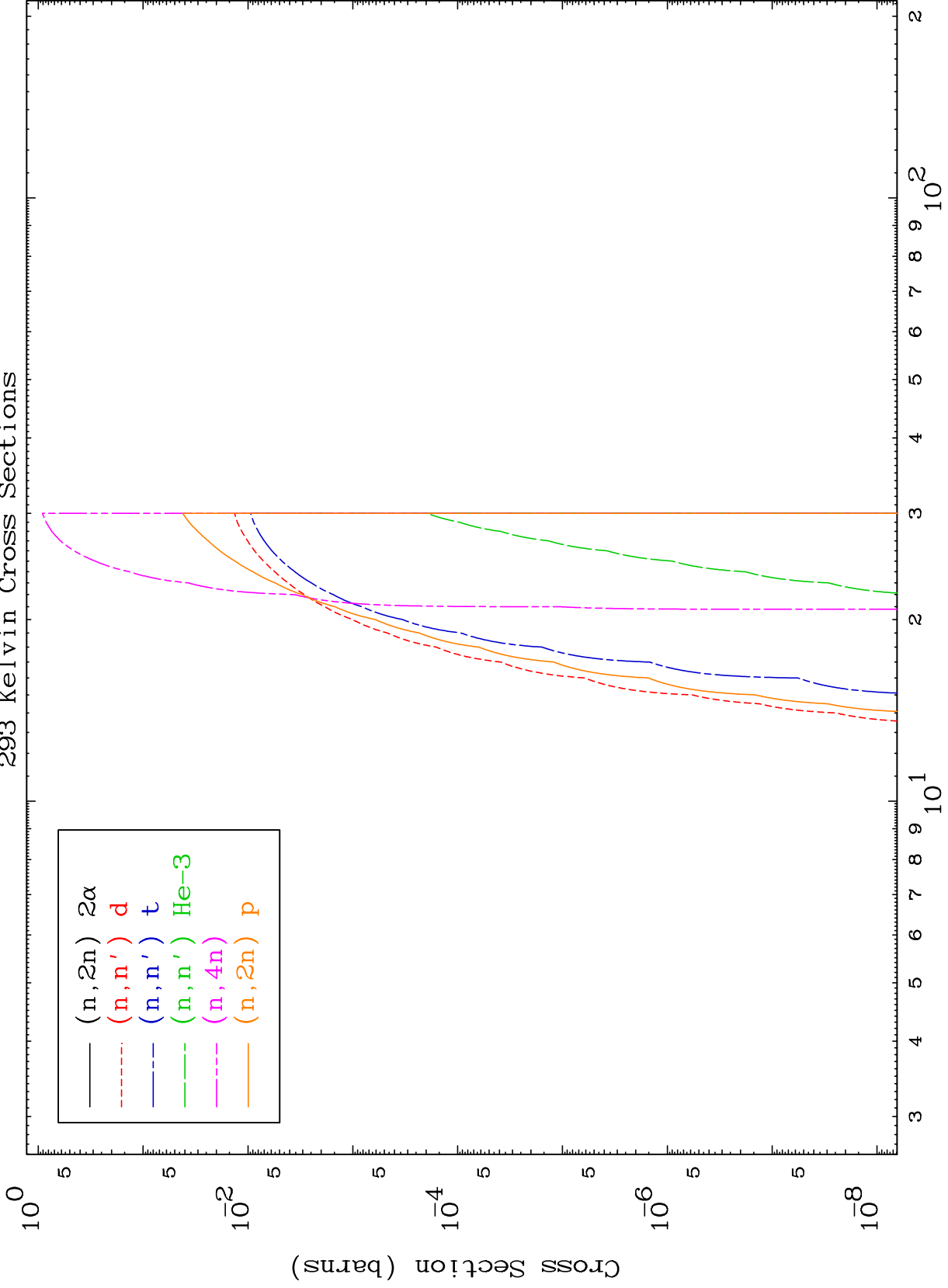


MAT 6328

Neutron Production
293 Kelvin Cross Sections

63-Eu-152

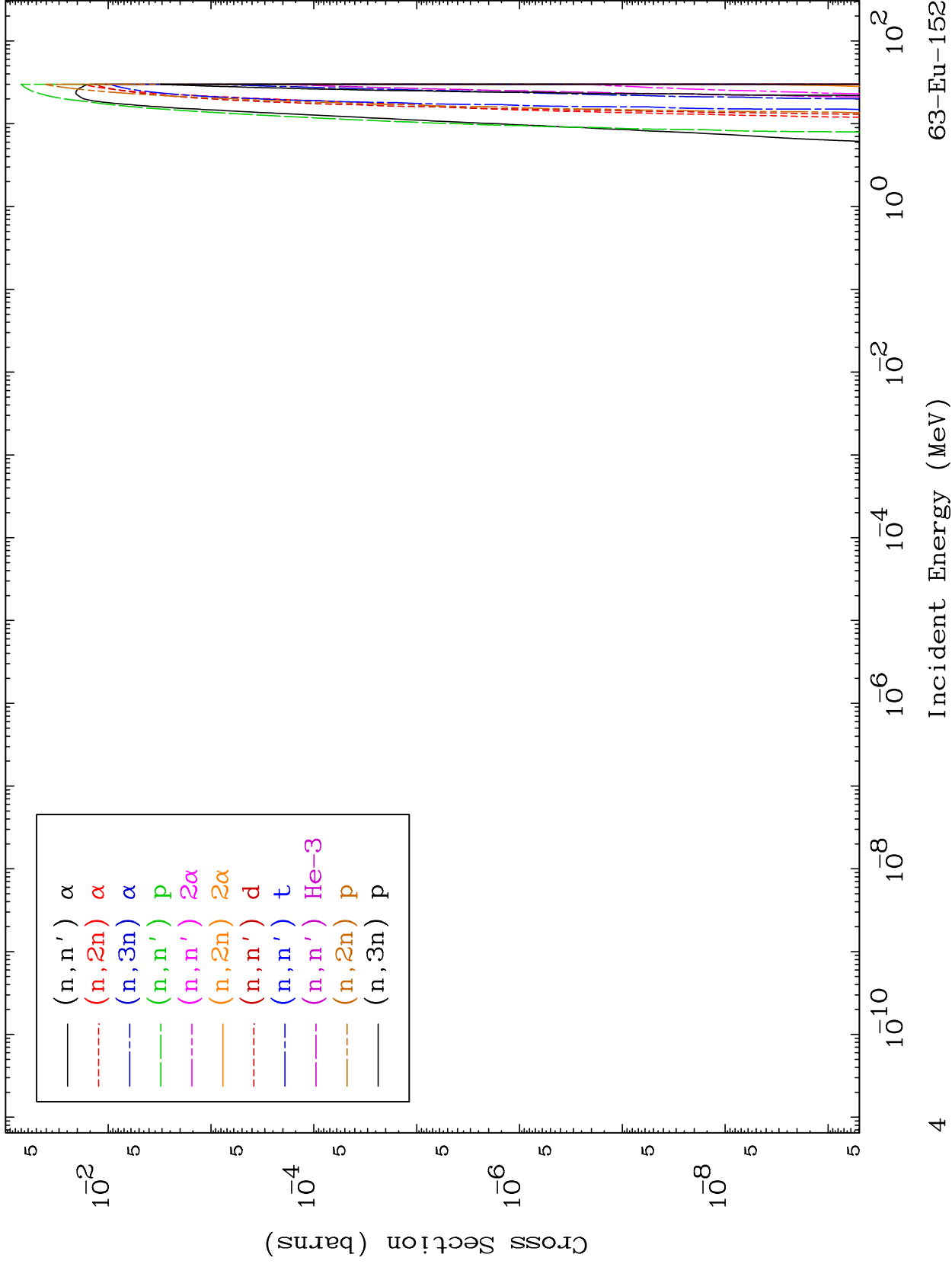




MAT 6328

Charged Particle
293 Kelvin Cross Sections

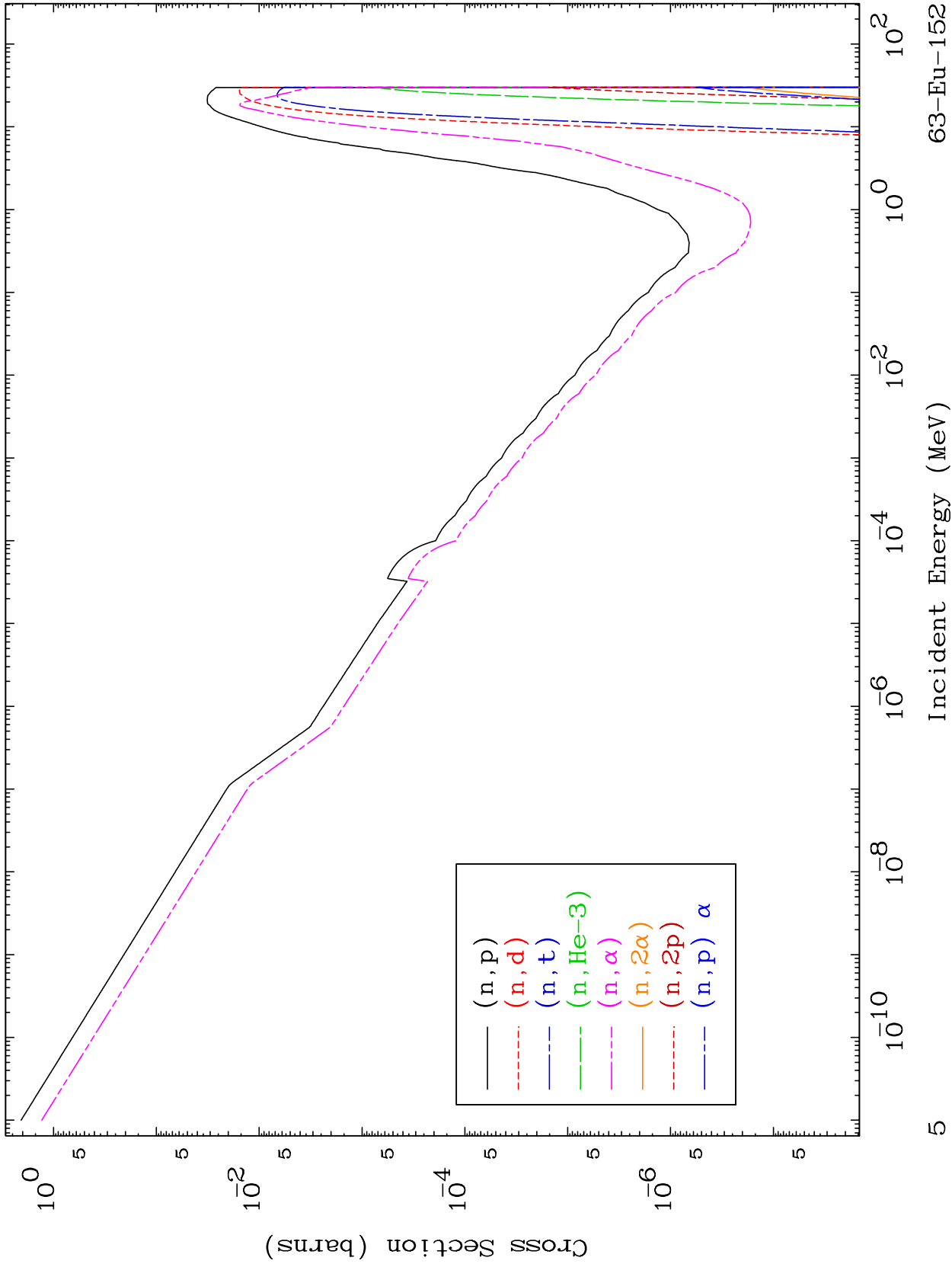
63-Eu-152



MAT 6328

Charged Particle
293 Kelvin Cross Sections

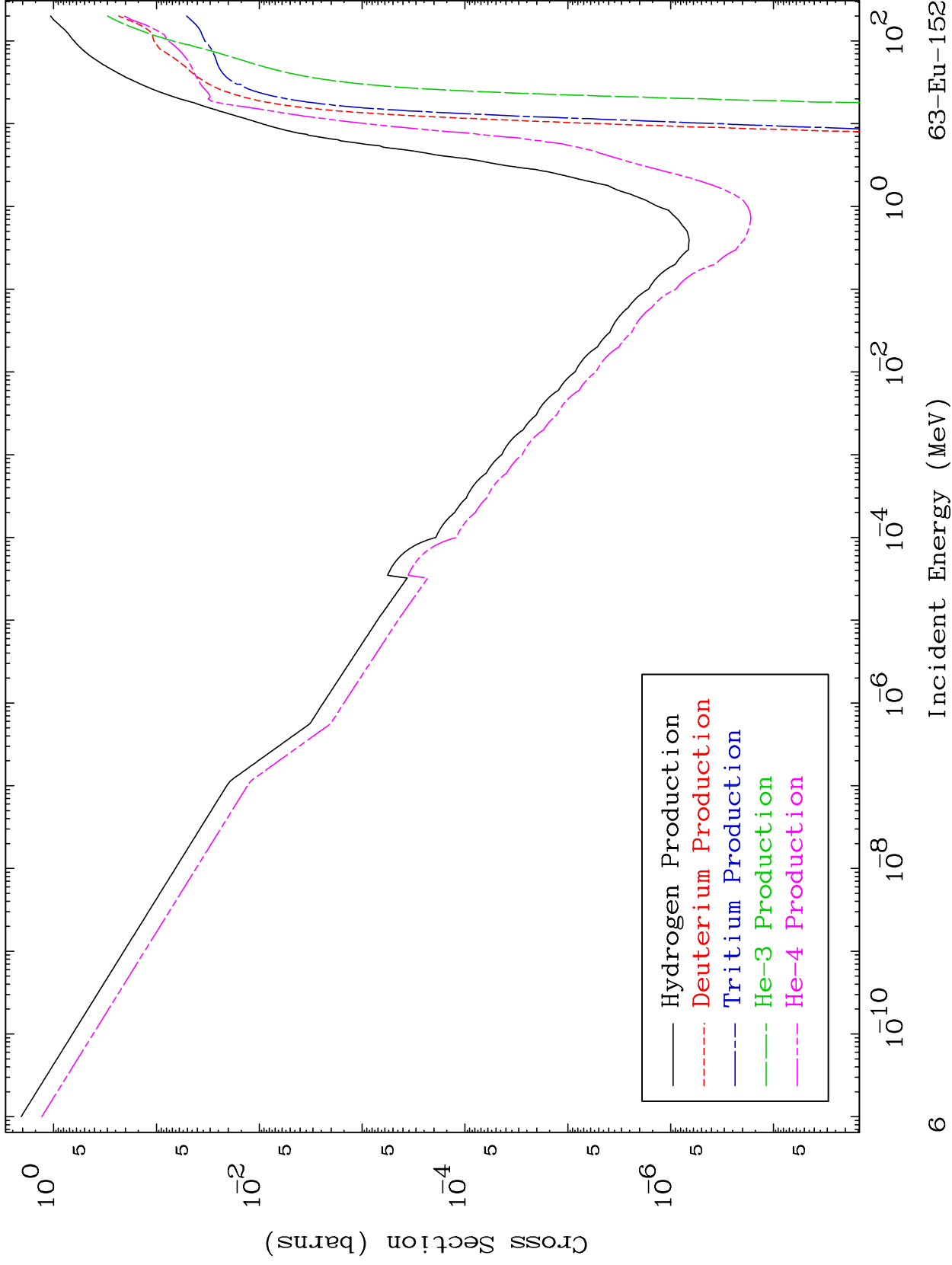
63-Eu-152



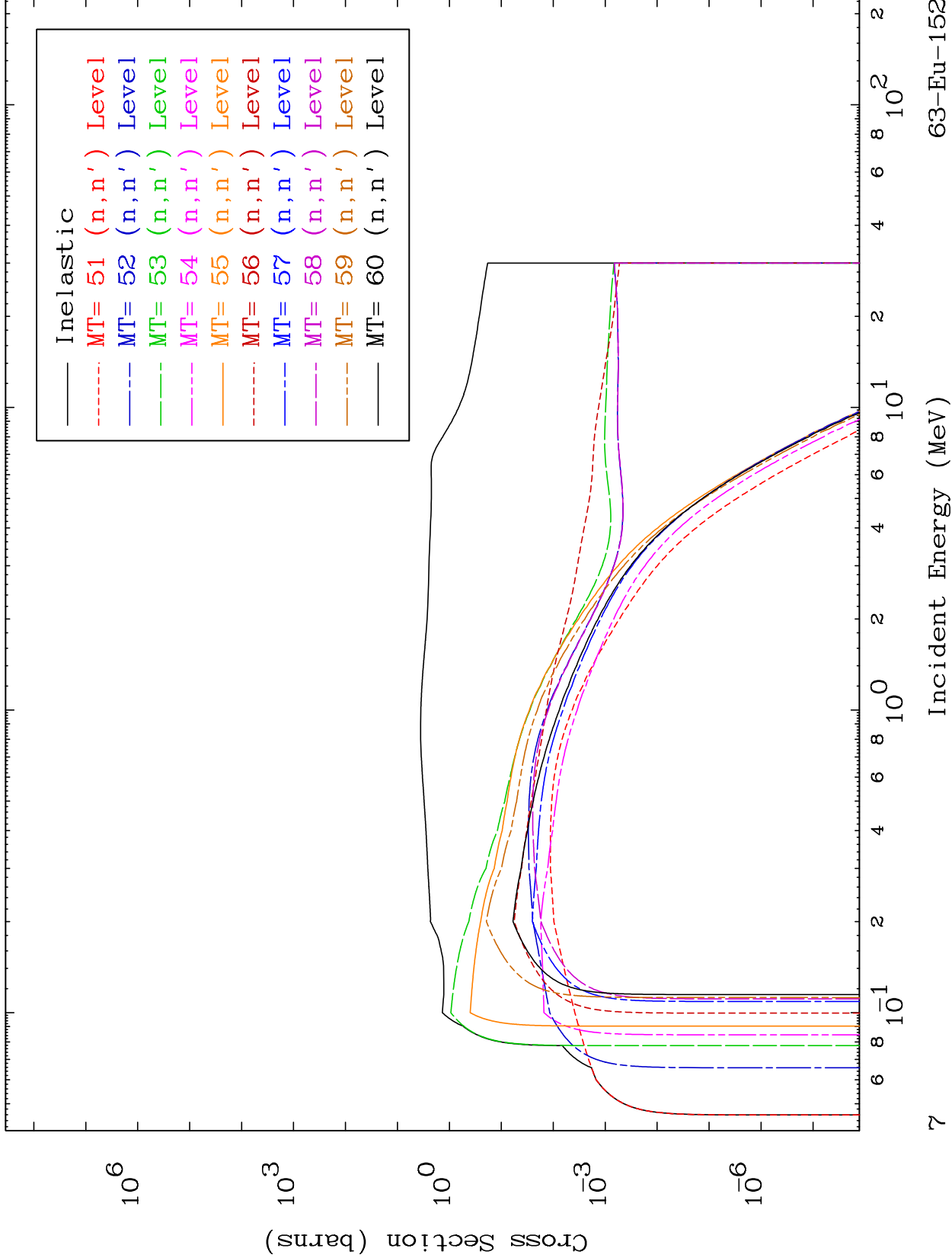
MAT 6328

Particle Production
293 Kelvin Cross Sections

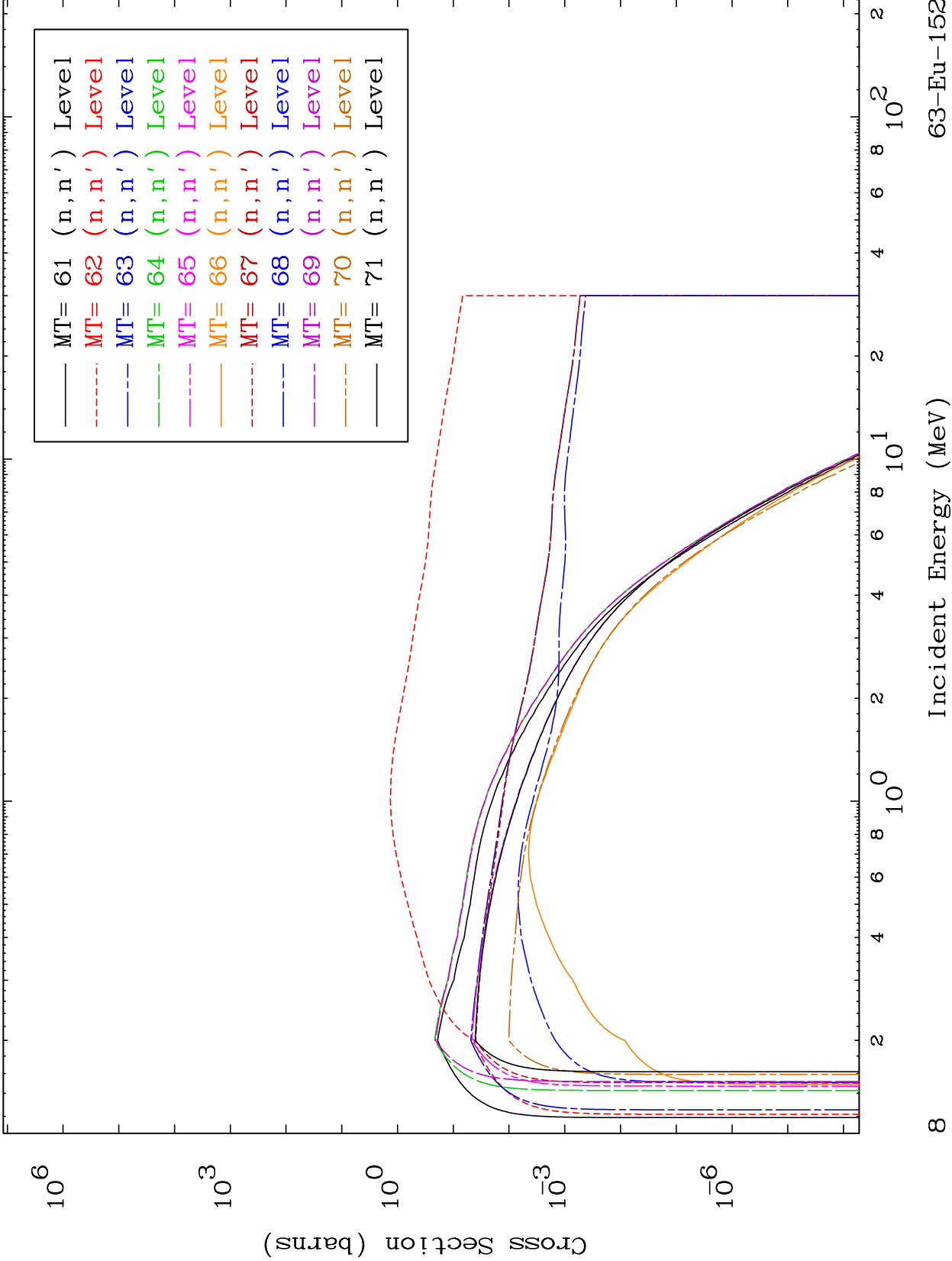
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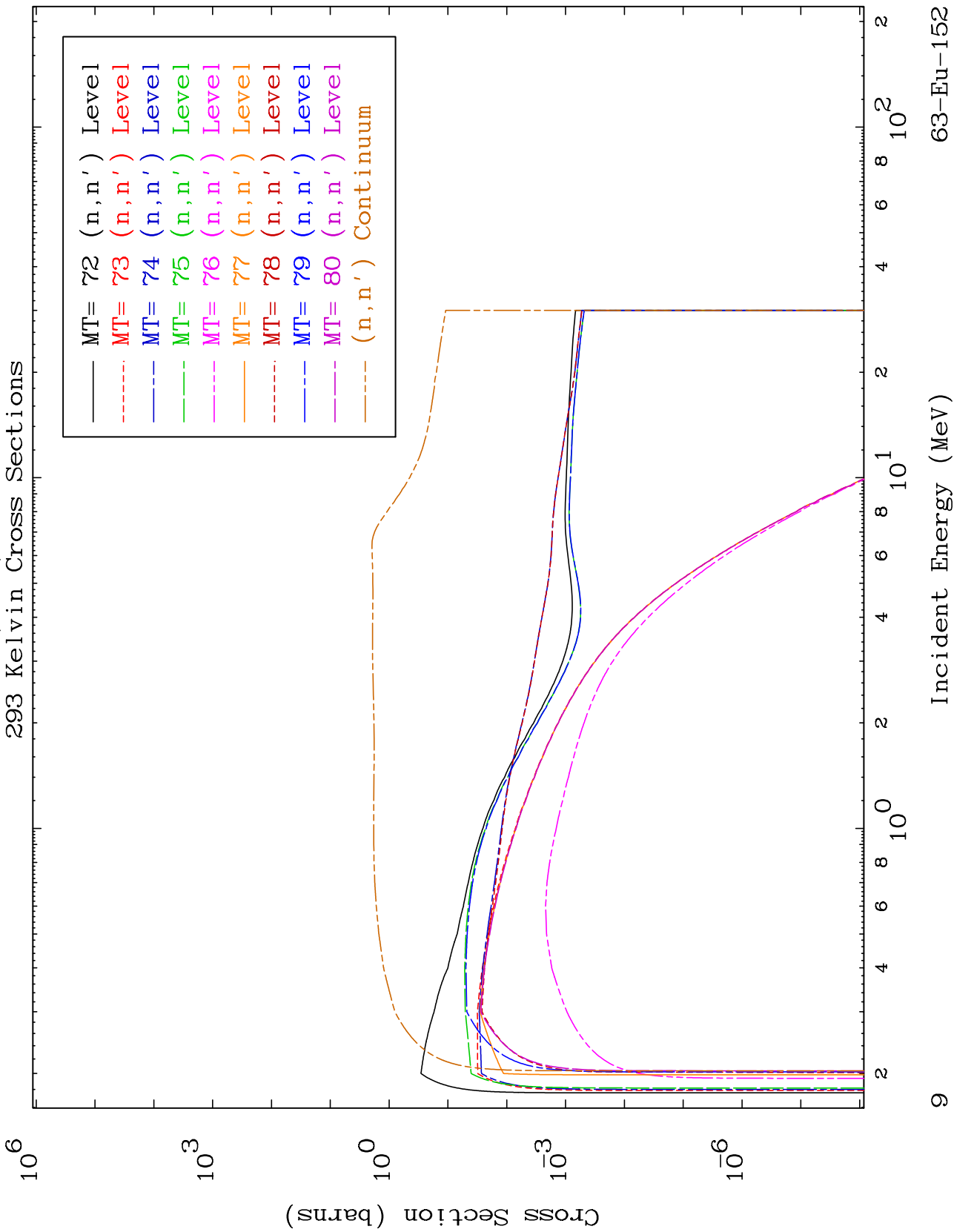


293 Kelvin Cross Sections



293 Kelvin Cross Sections

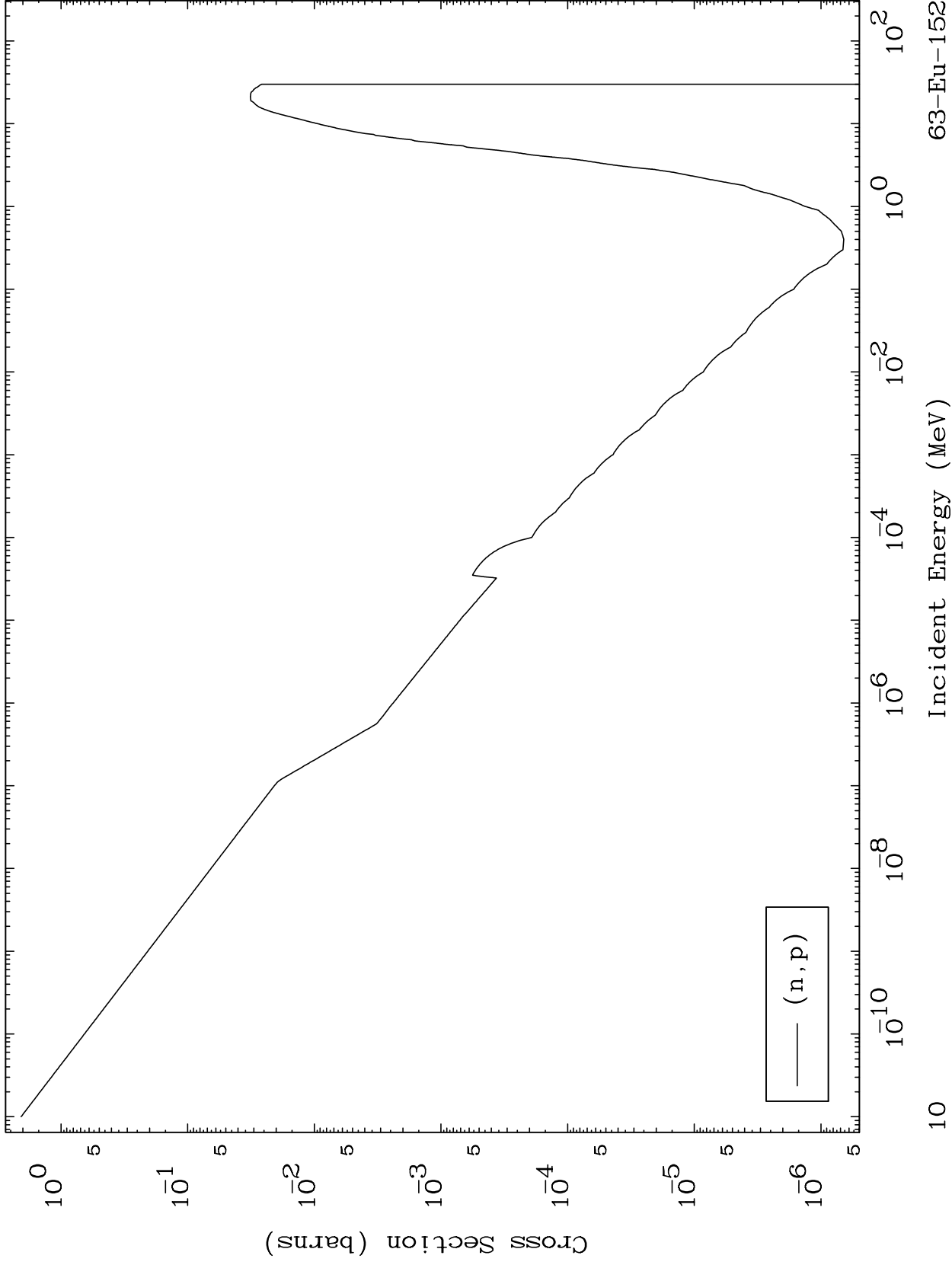




MAT 6328

(n,p) Levels
293 Kelvin Cross Sections

63-Eu-152



10

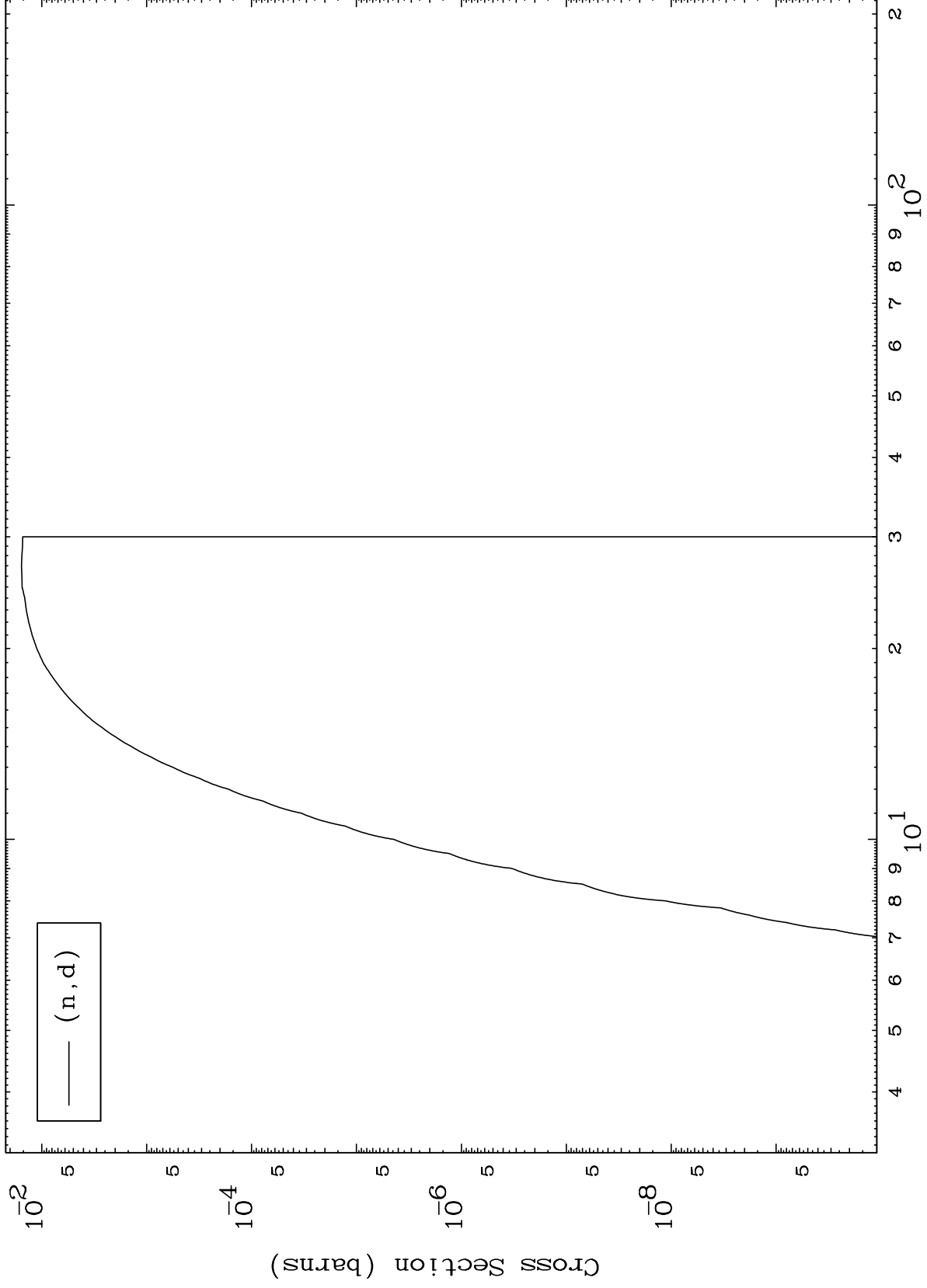
Incident Energy (MeV)

63-Eu-152

MAT 6328

(n,d) Levels
293 Kelvin Cross Sections

63-Eu-152



11

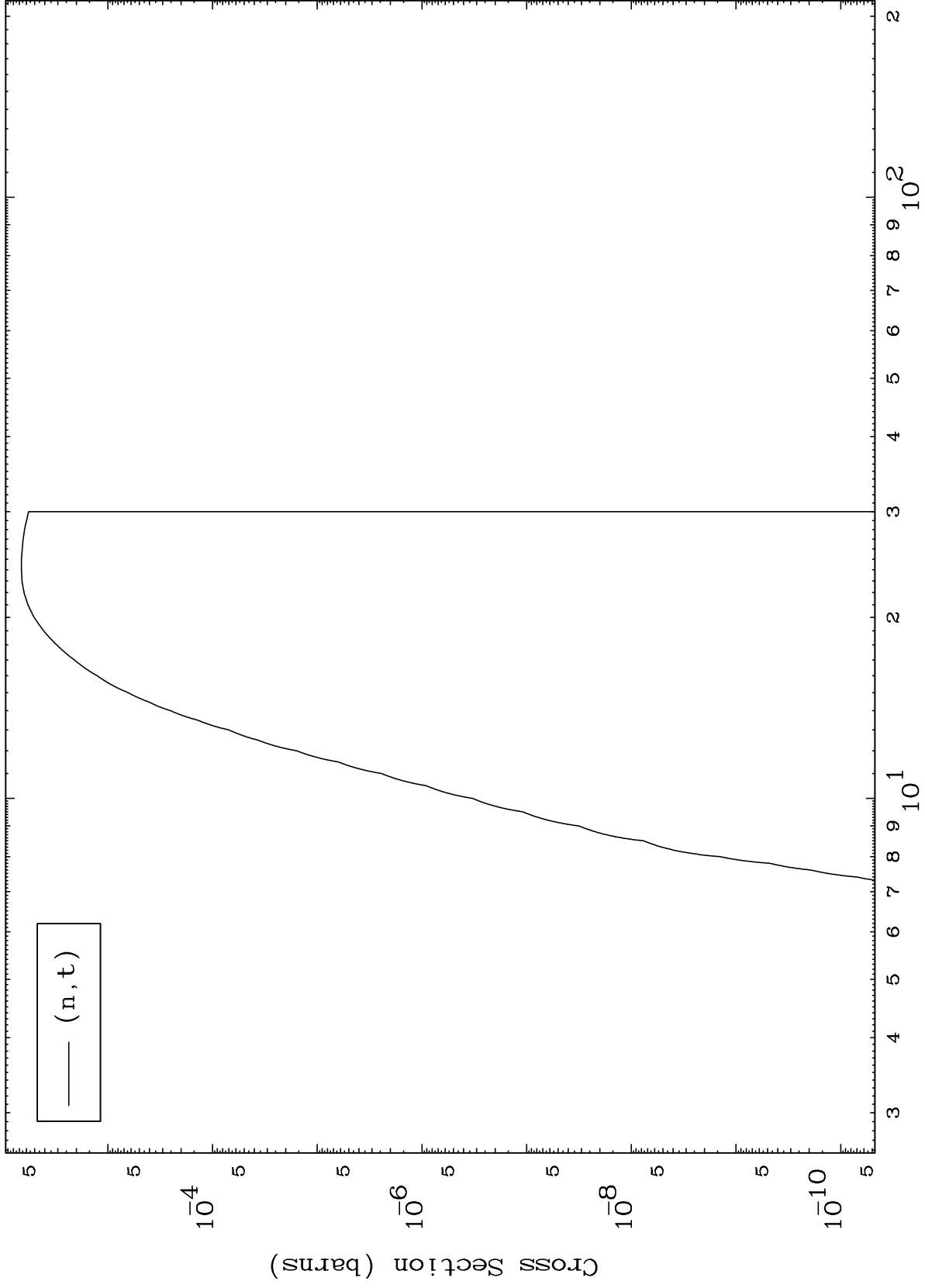
Incident Energy (MeV)

63-Eu-152

MAT 6328

(n,t) Levels
293 Kelvin Cross Sections

63-Eu-152



12

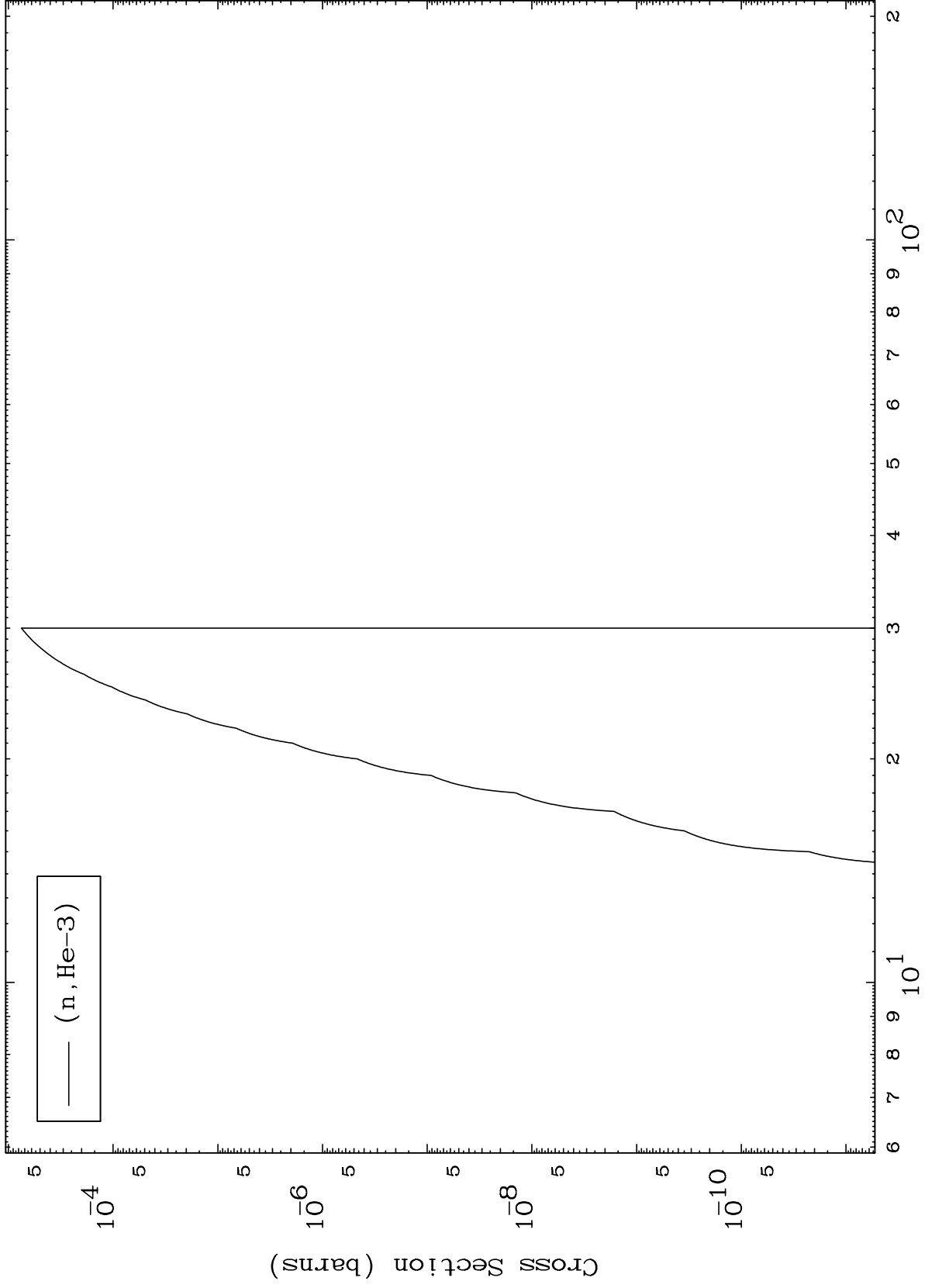
Incident Energy (MeV)

63-Eu-152

MAT 6328

(n,He3) Levels
293 Kelvin Cross Sections

63-Eu-152



13

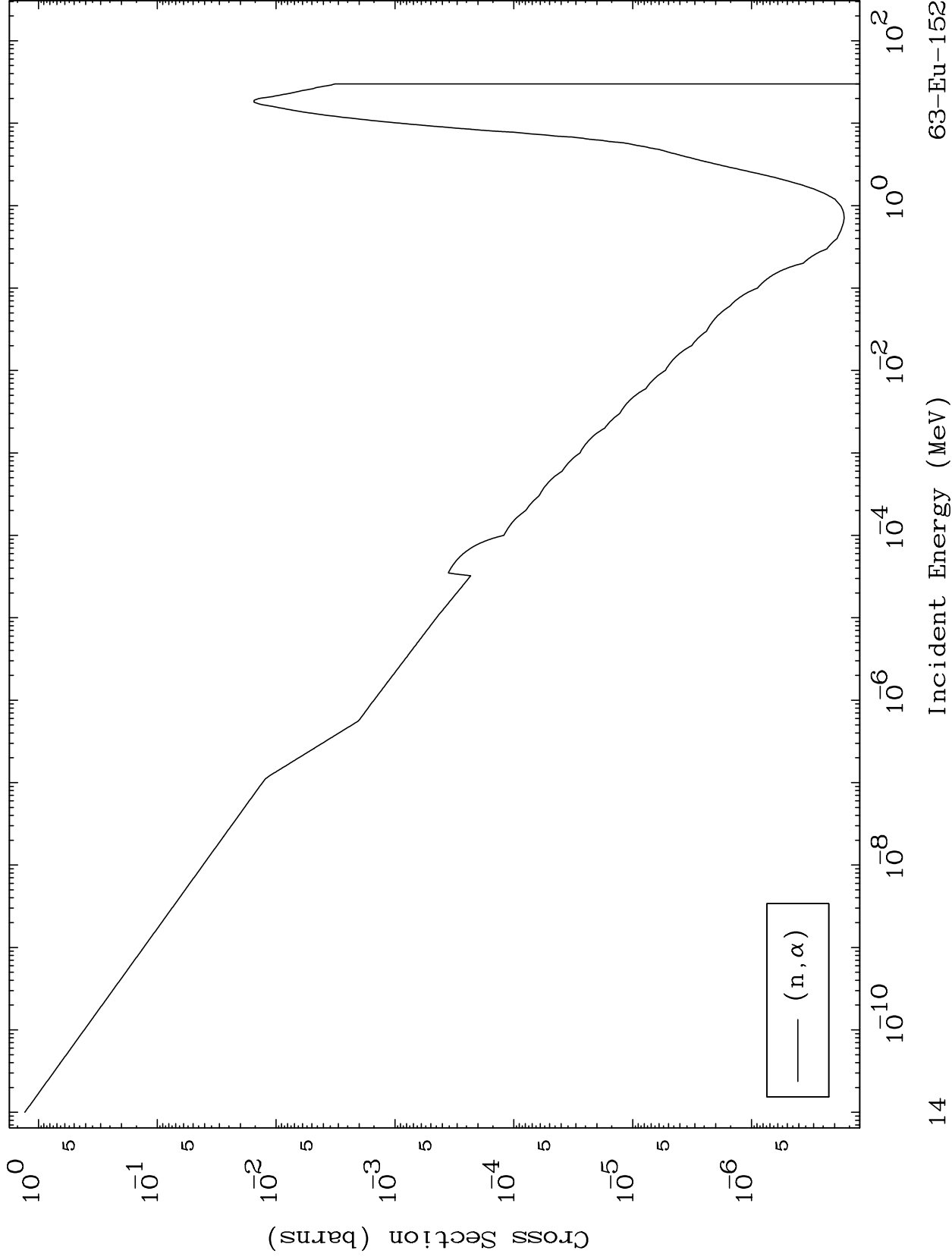
Incident Energy (MeV)

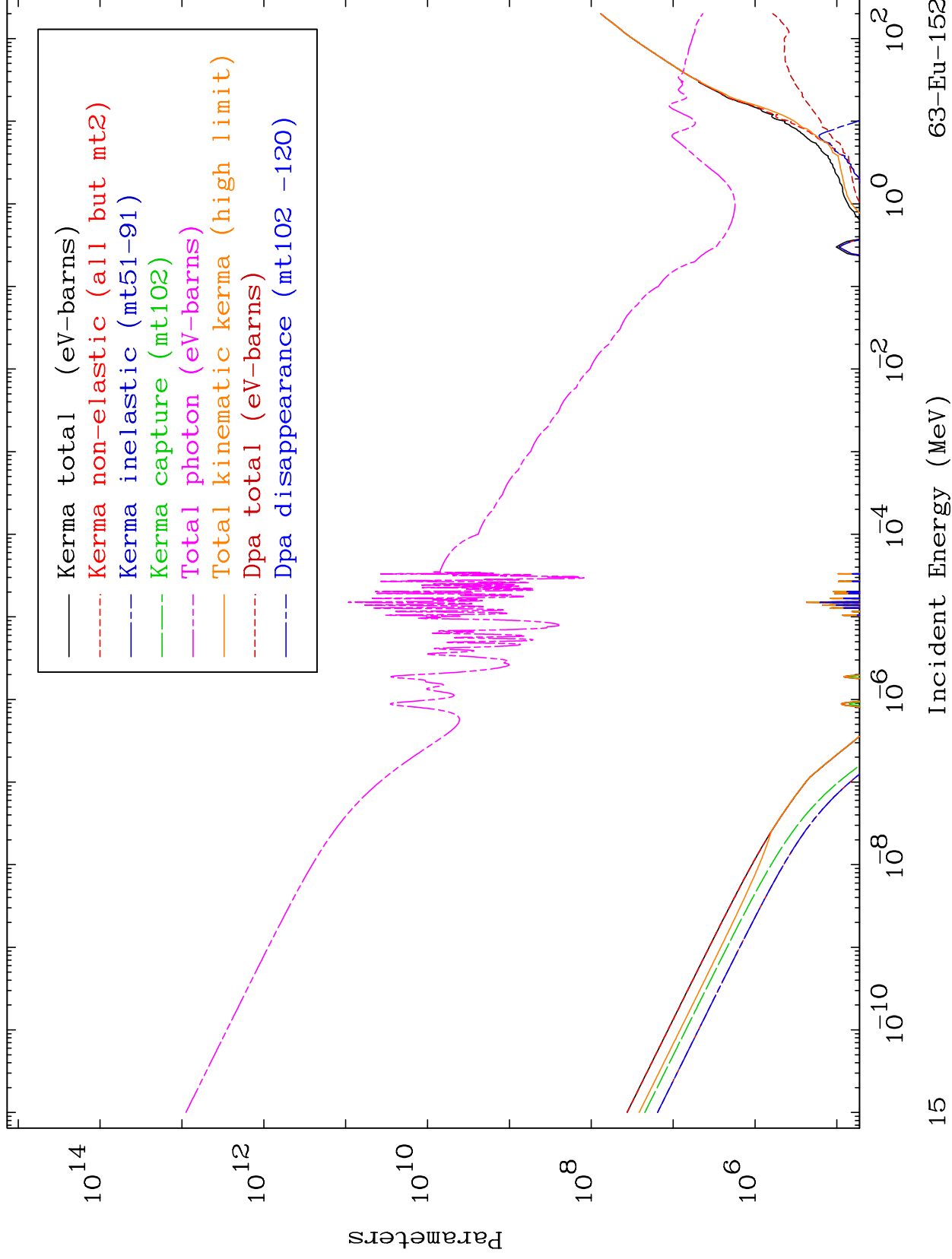
63-Eu-152

MAT 6328

(n, α) Levels
293 Kelvin Cross Sections

63-Eu-152

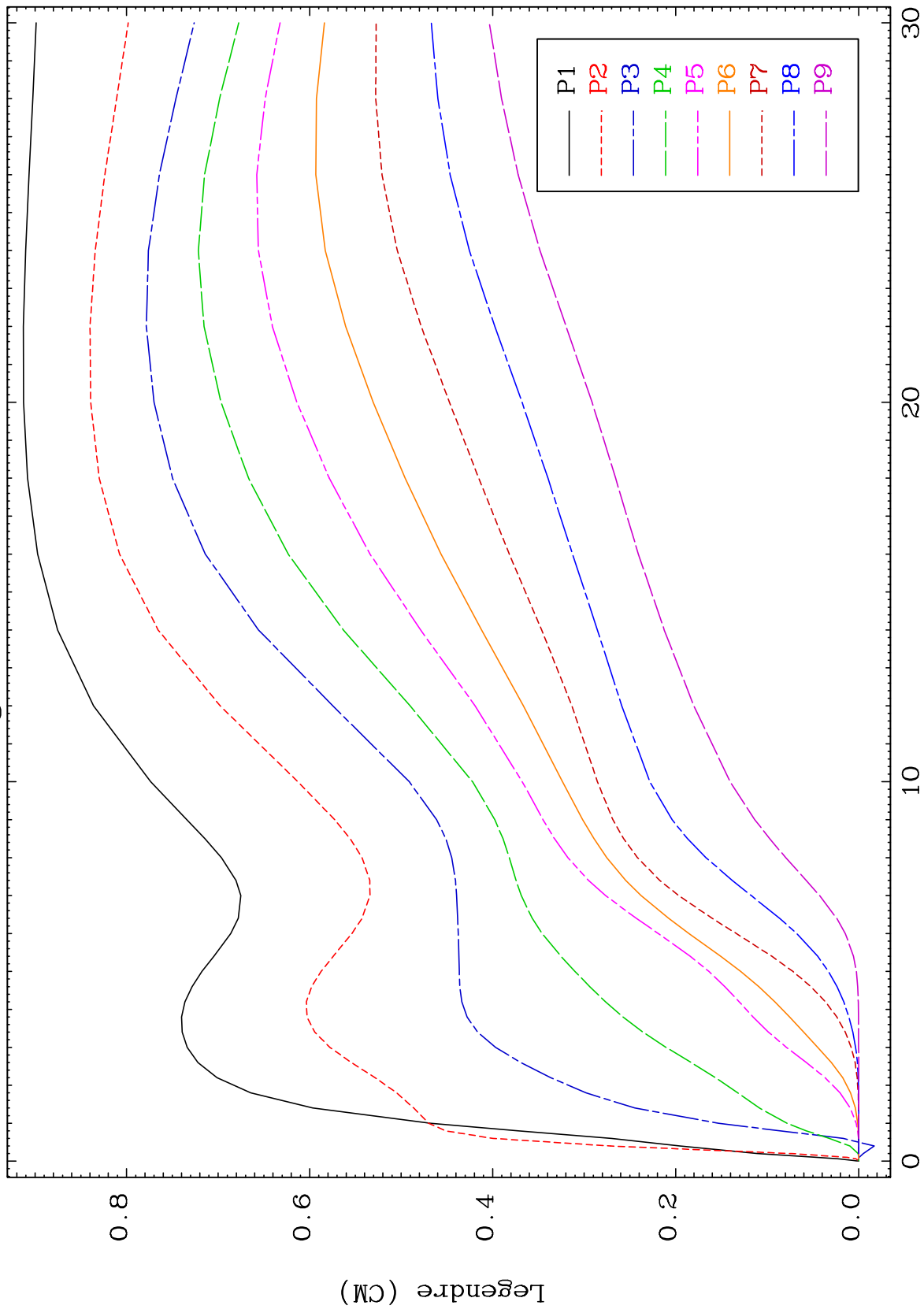




MAT 6328

Elastic Legendre Coefficients

63-Eu-152



16

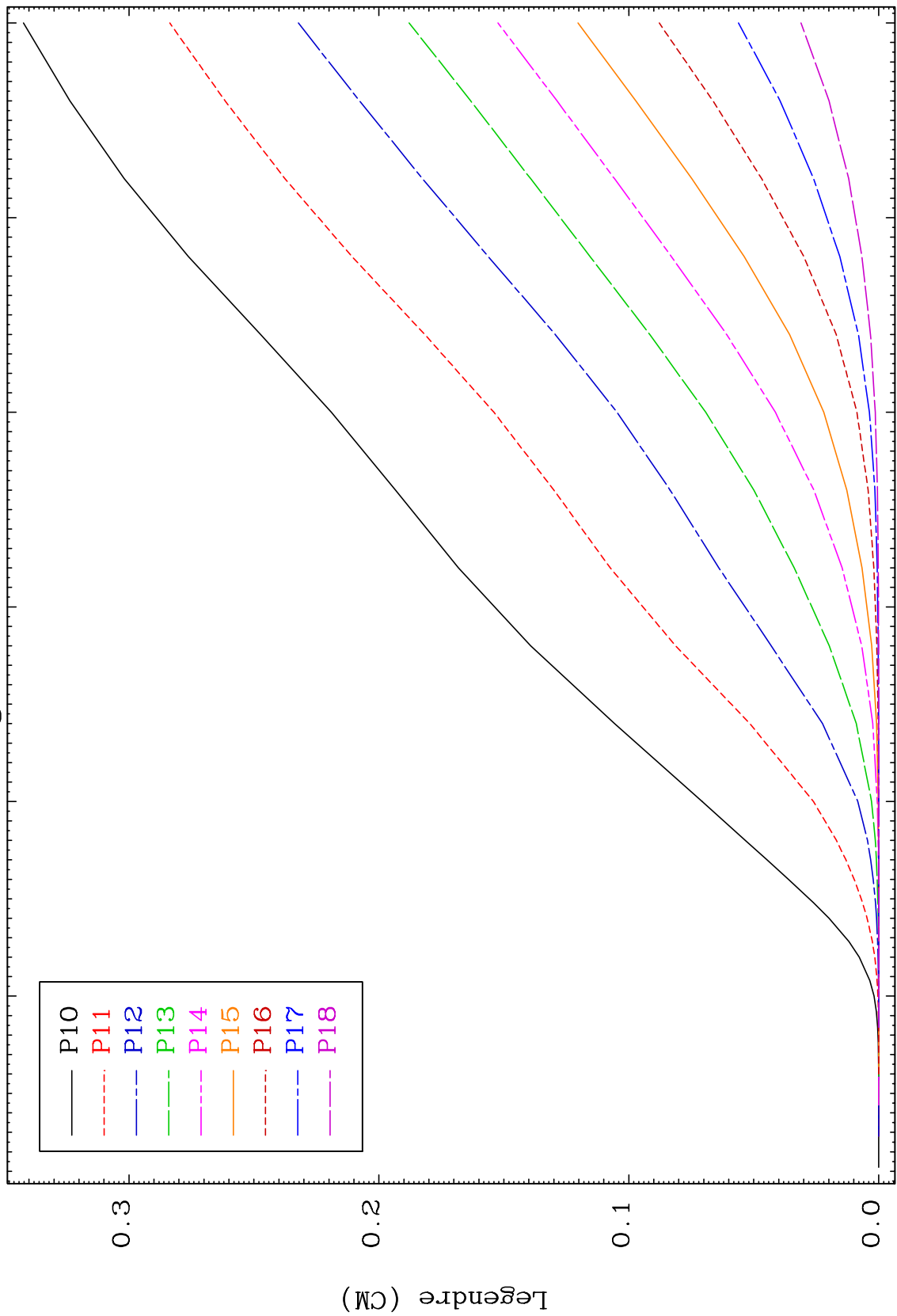
Incident Energy (MeV)

63-Eu-152

MAT 6328

Elastic Legendre Coefficients

63-Eu-152



17

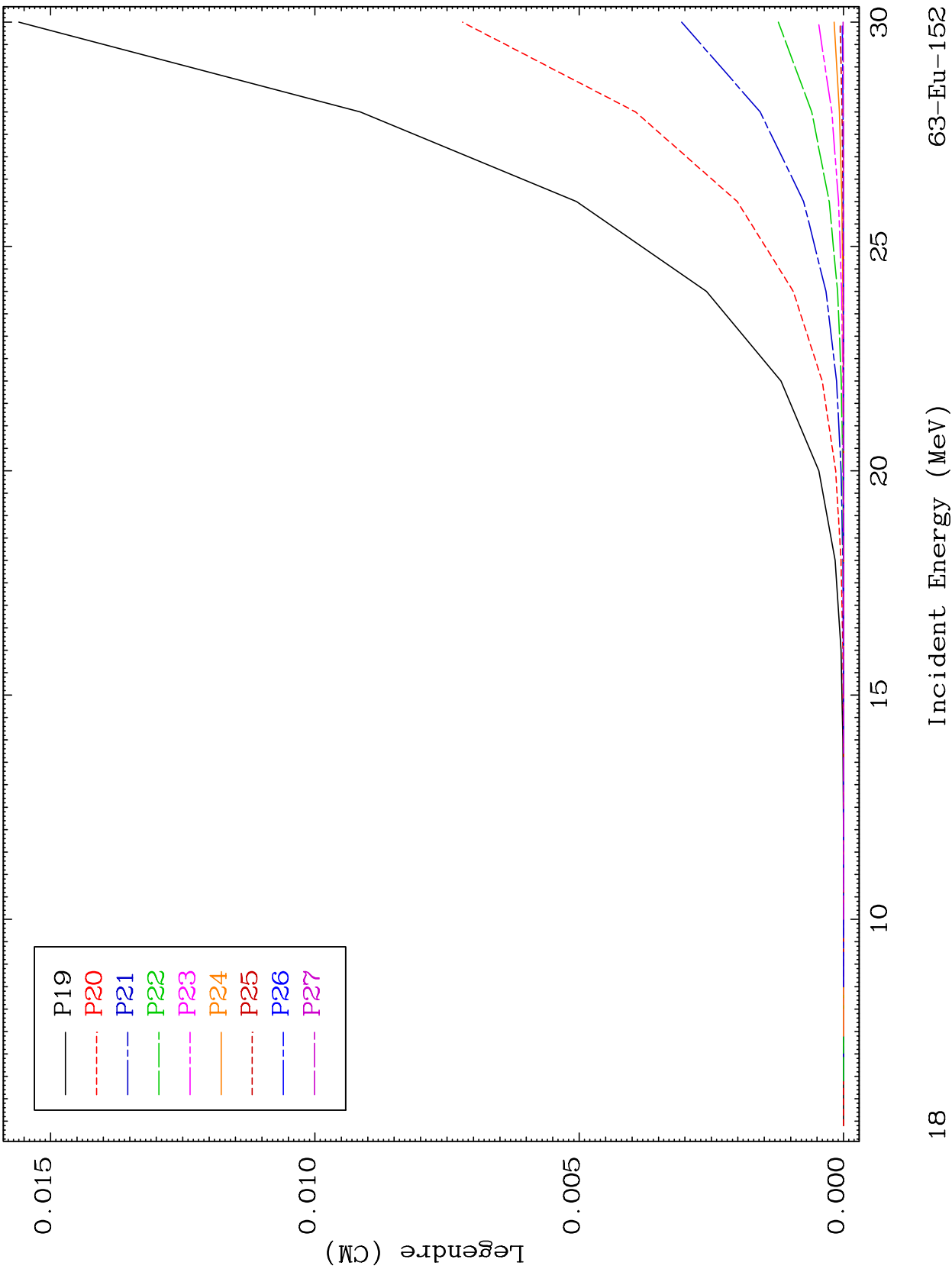
63-Eu-152

Incident Energy (MeV)

MAT 6328

Elastic Legendre Coefficients

63-Eu-152



18

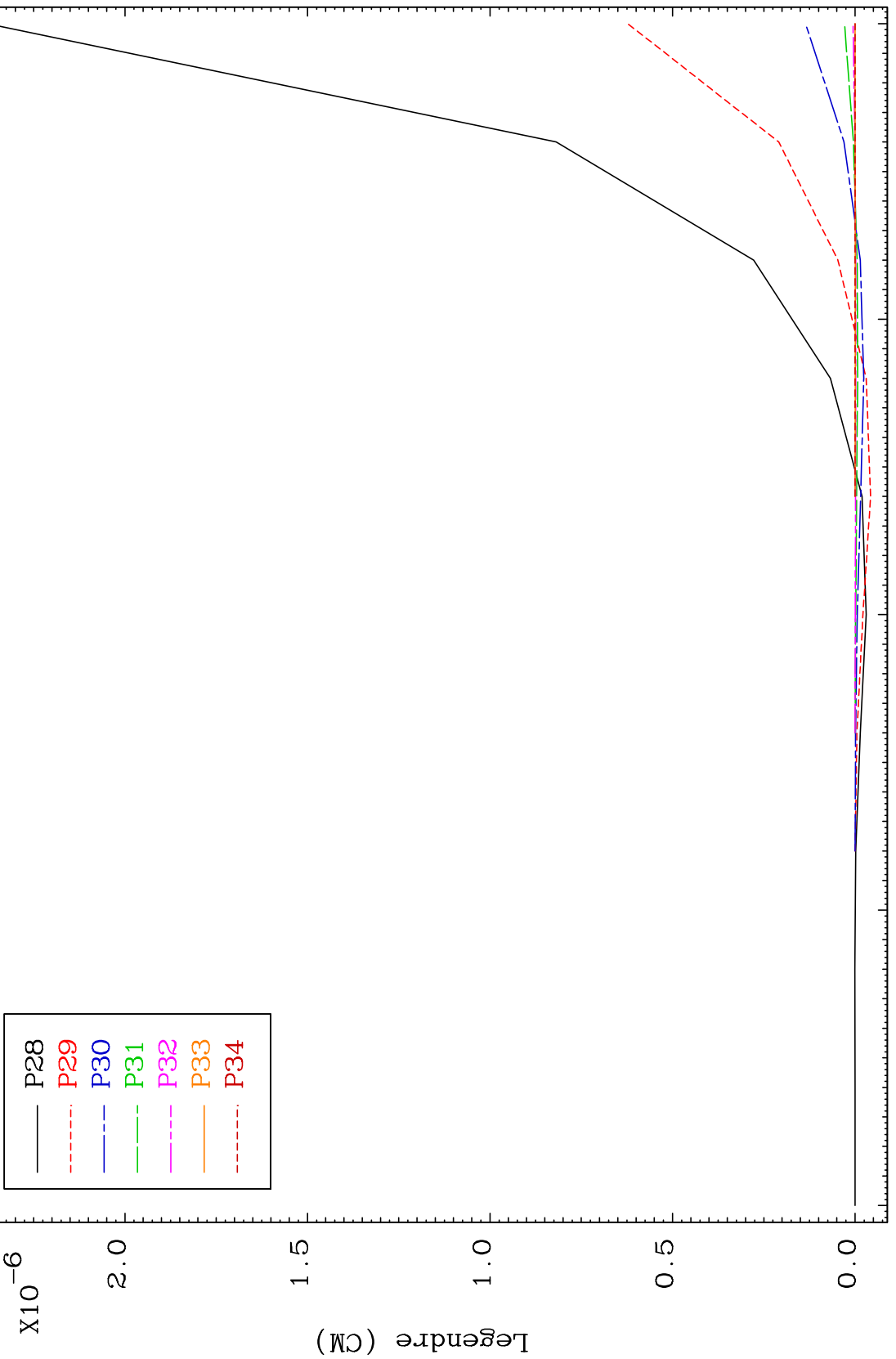
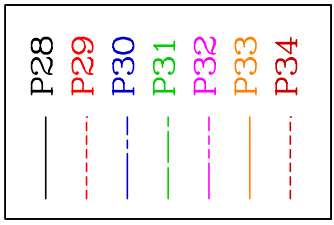
Incident Energy (MeV)

63-Eu-152

MAT 6328

Elastic Legendre Coefficients

63-Eu-152



19

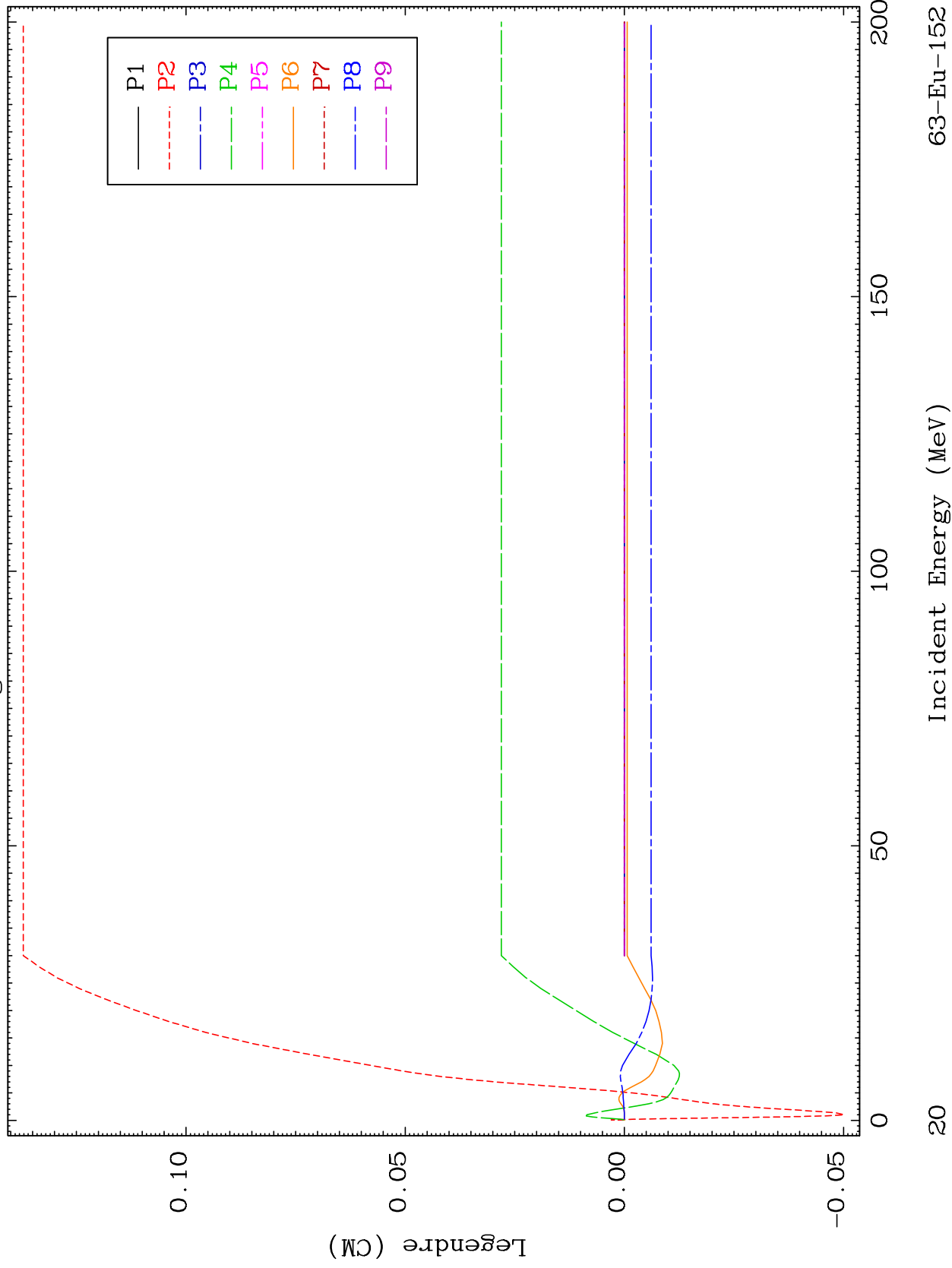
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

63-Eu-152



63-Eu-152

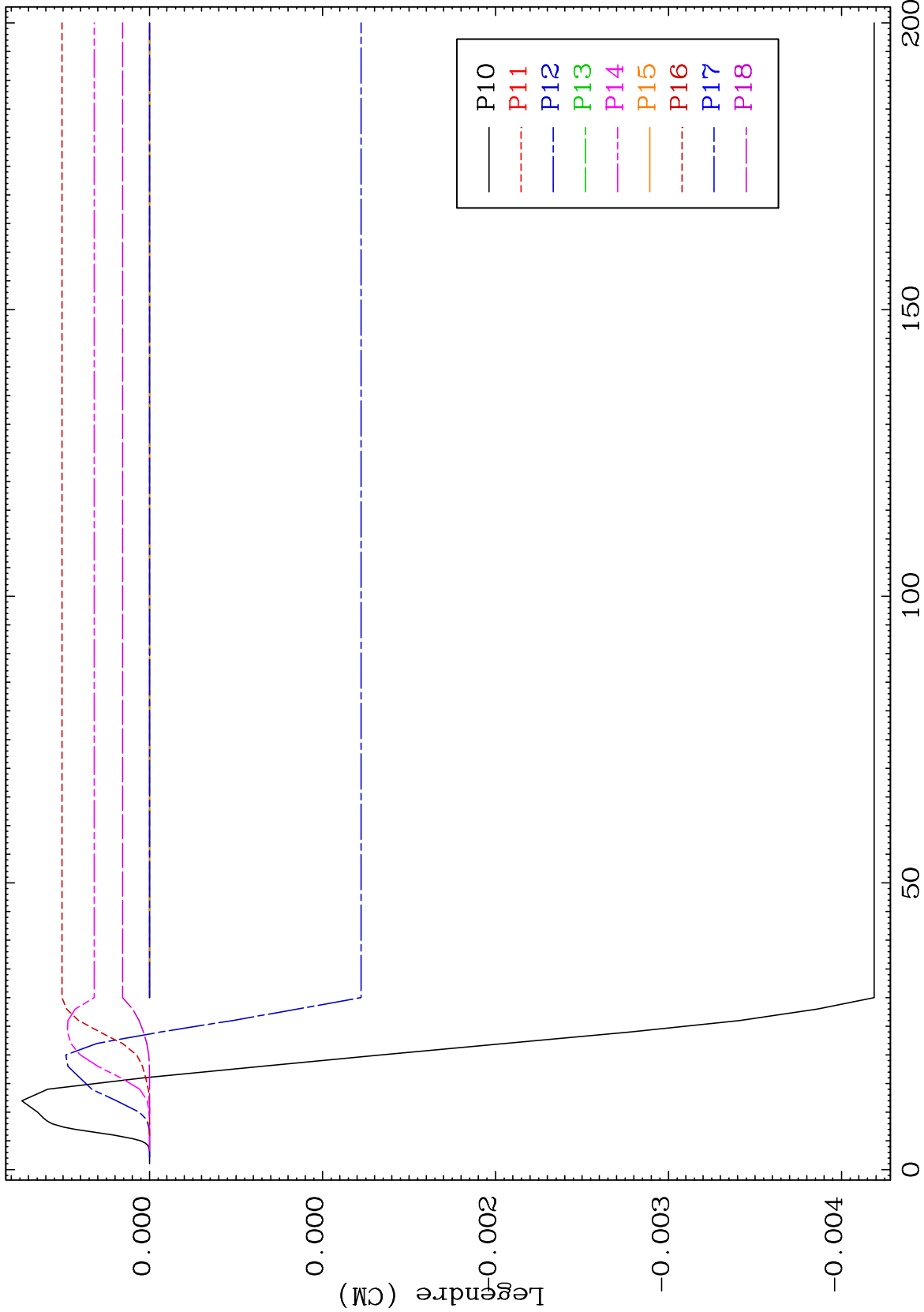
Incident Energy (MeV)

0

MAT 6328

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

63-Eu-152



21

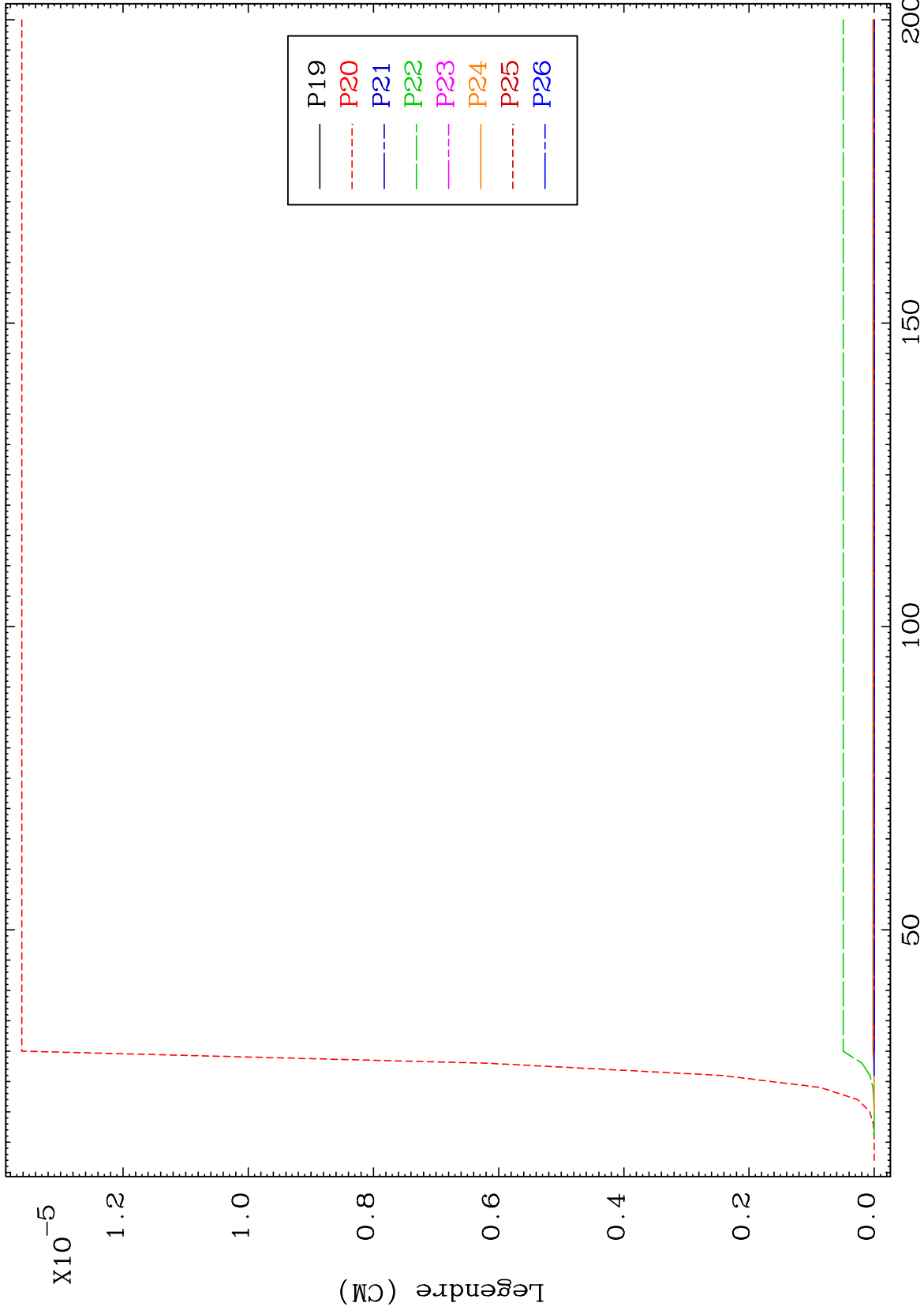
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

63-Eu-152



22

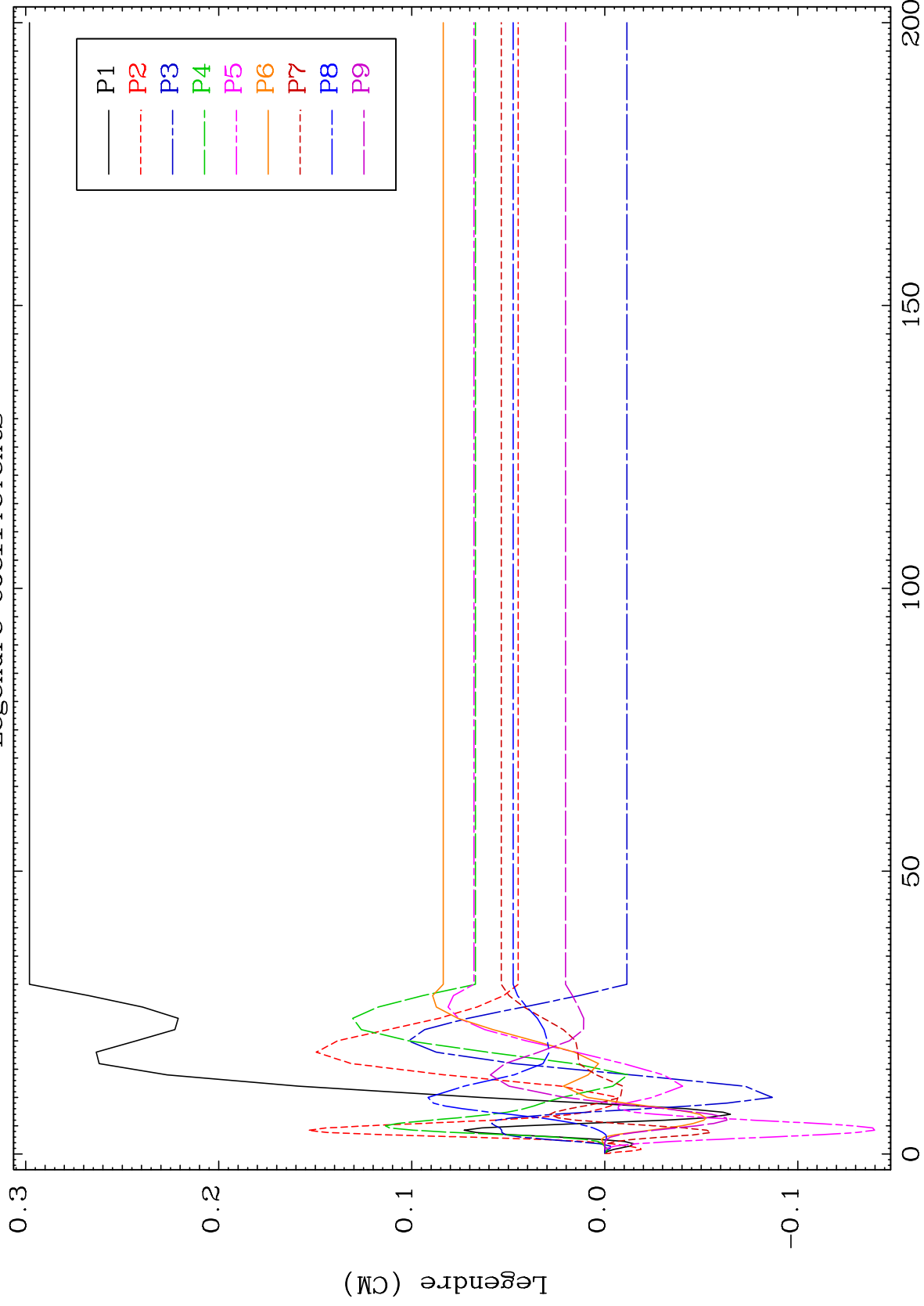
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

63-Eu-152



23

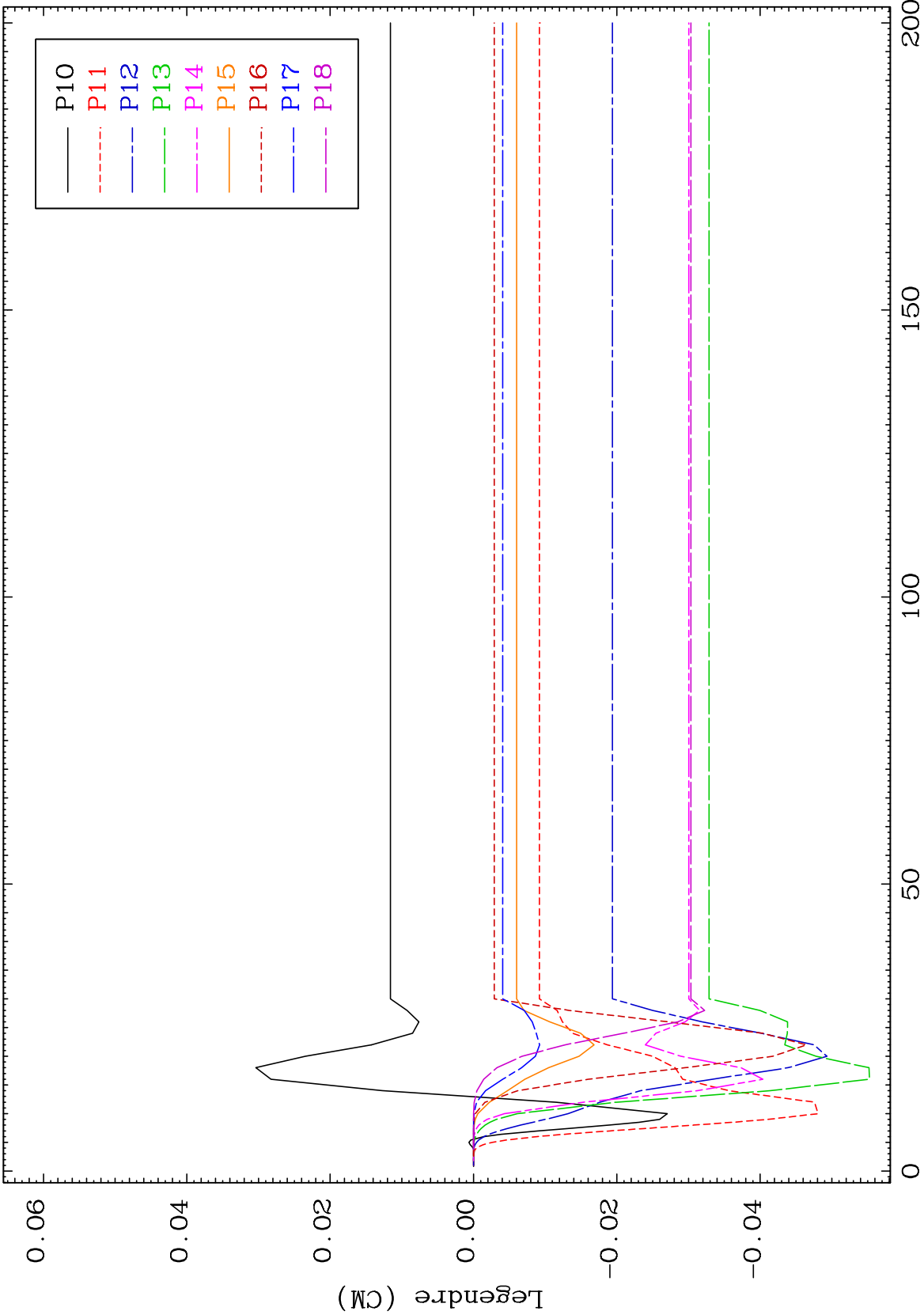
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

63-Eu-152



24

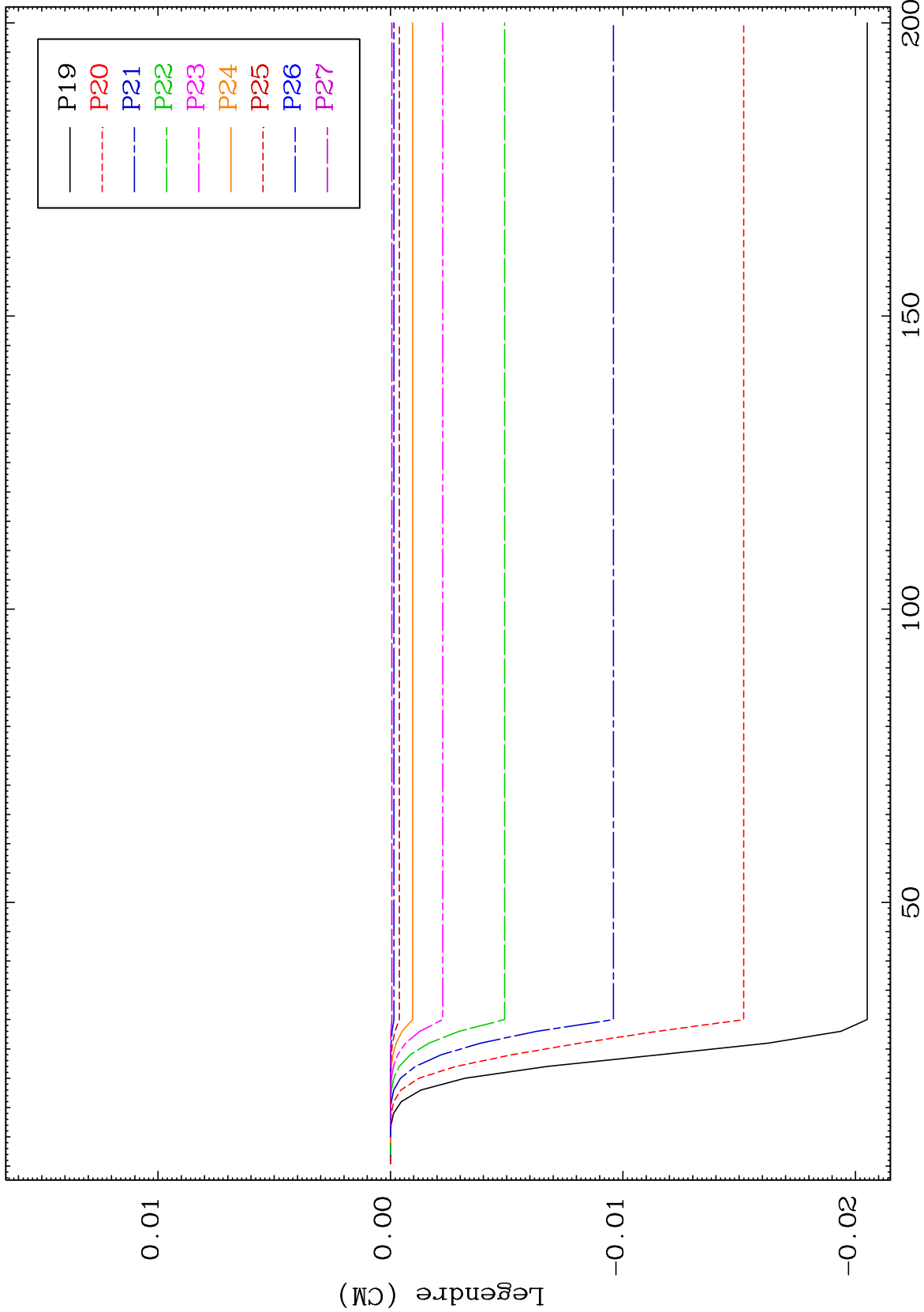
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

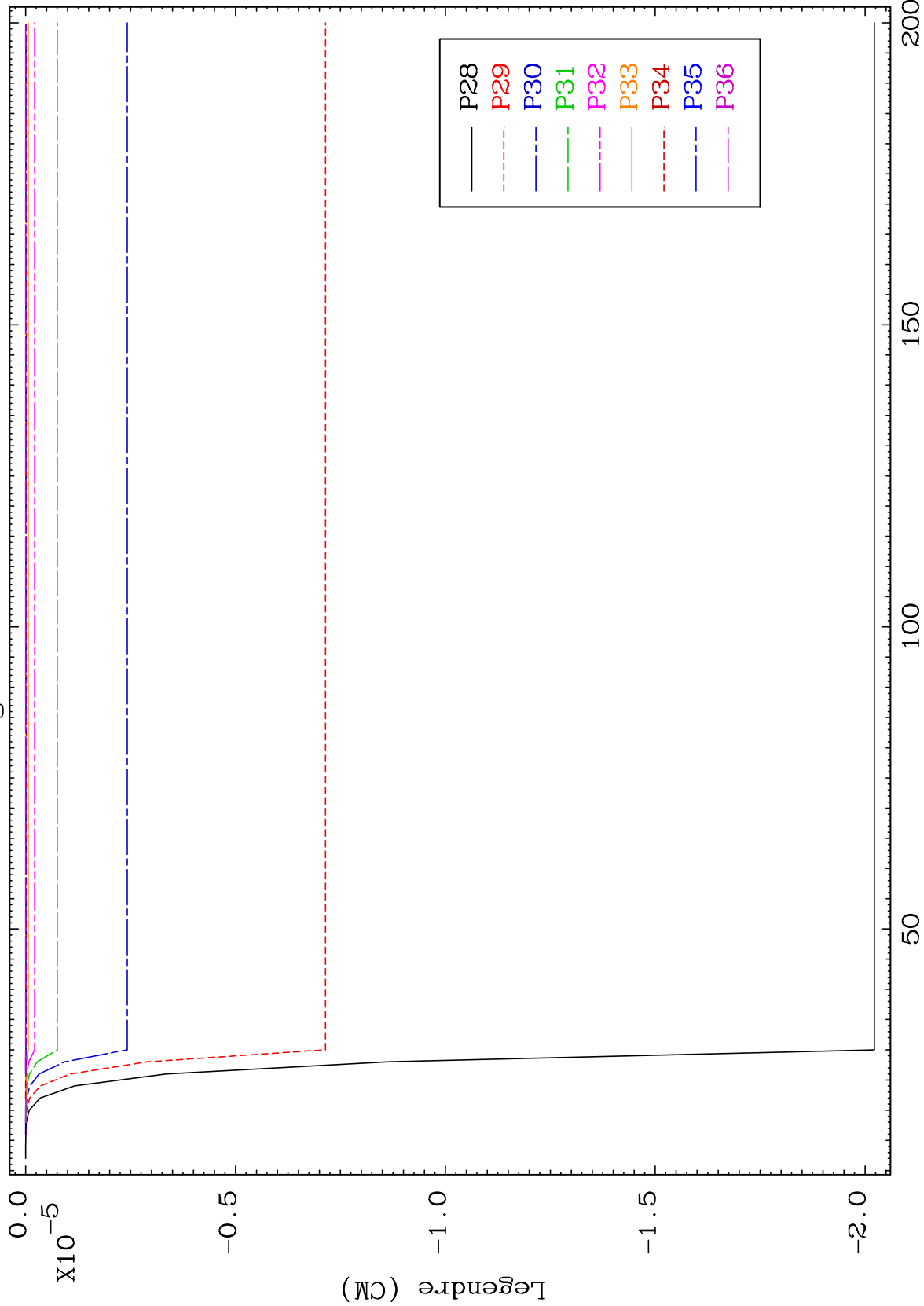
63-Eu-152



25

Incident Energy (MeV)

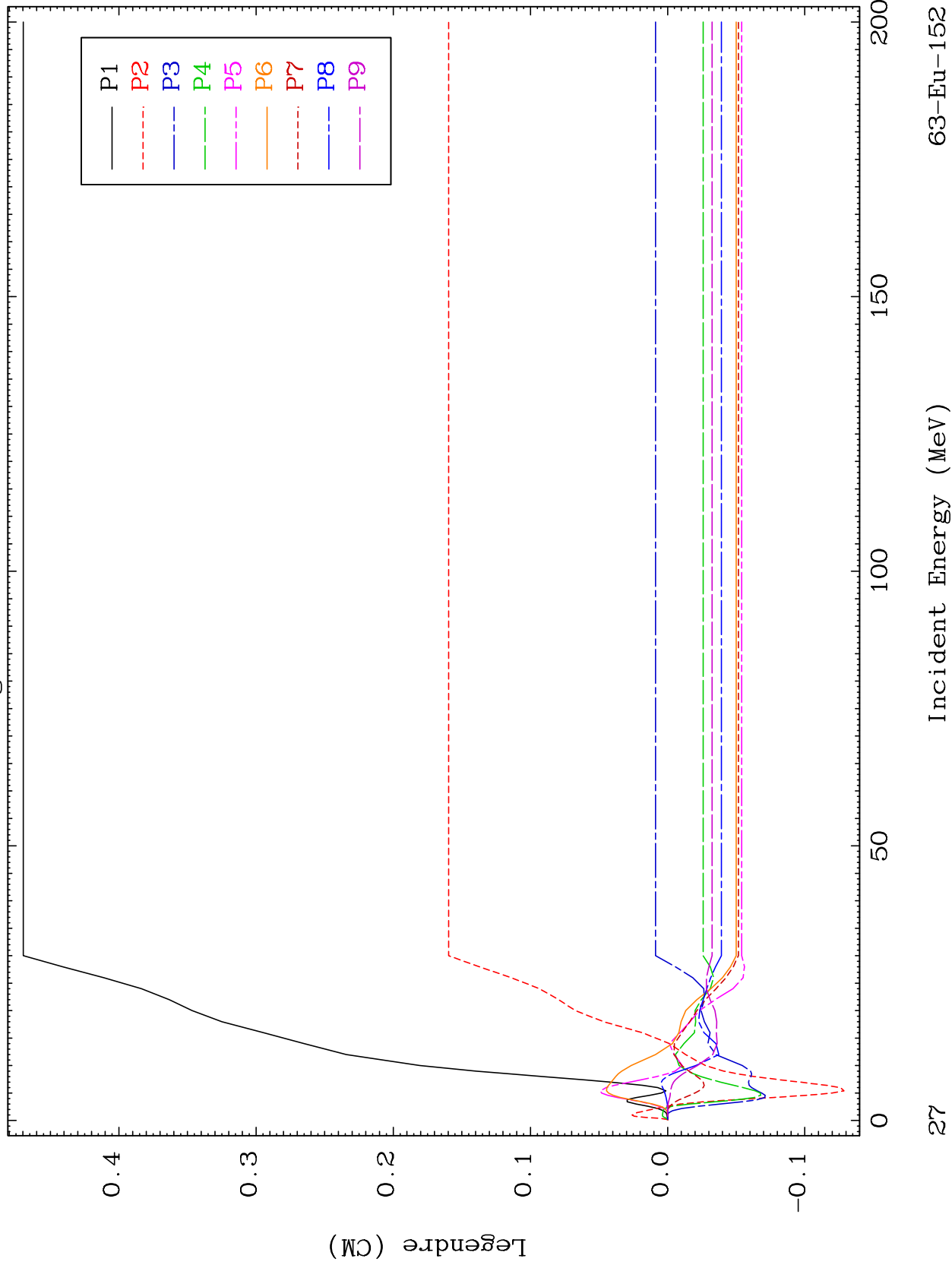
63-Eu-152



MAT 6328

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

63-Eu-152



63-Eu-152

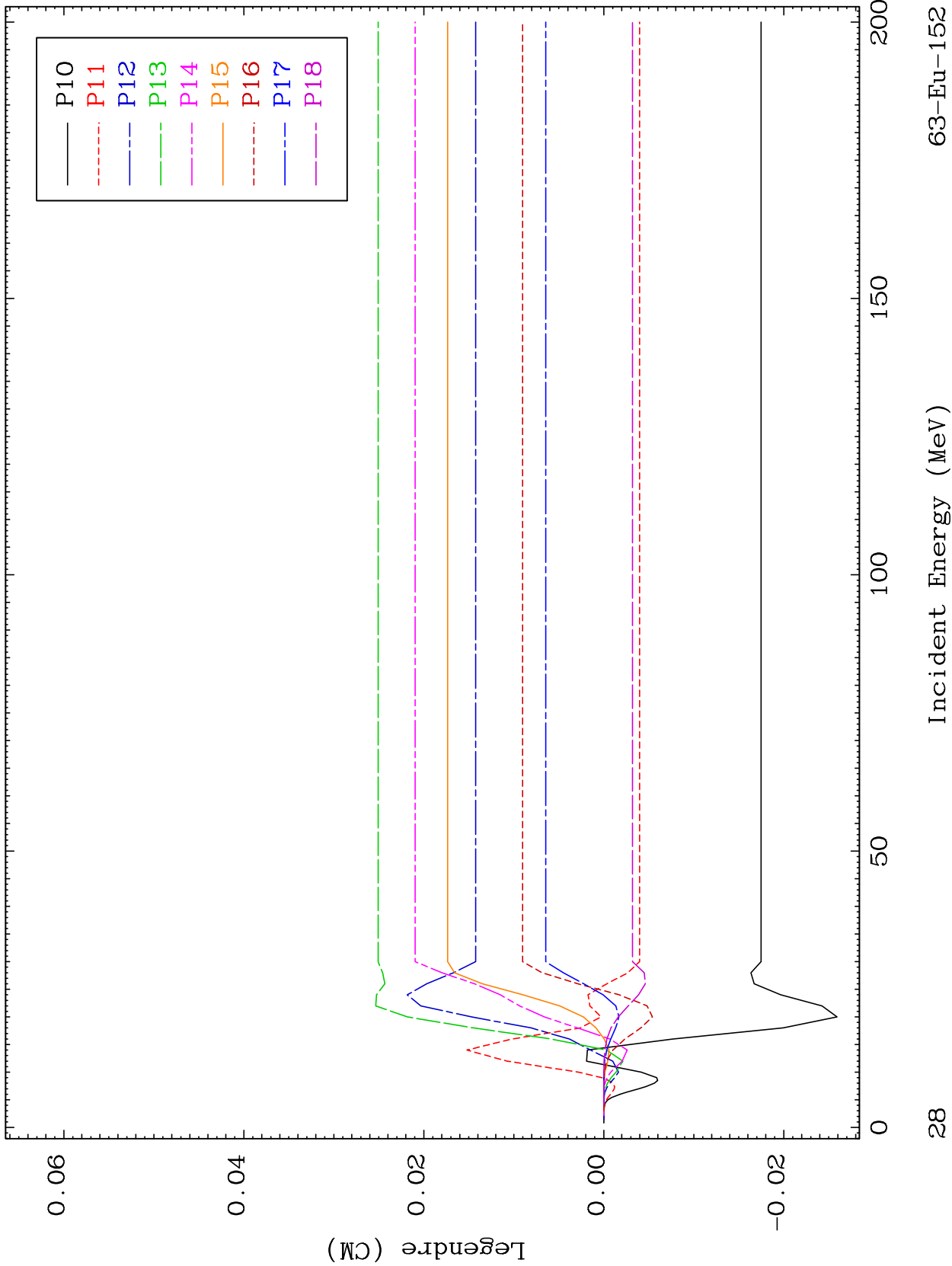
Incident Energy (MeV)

27

MAT 6328

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

63-Eu-152



63-Eu-152

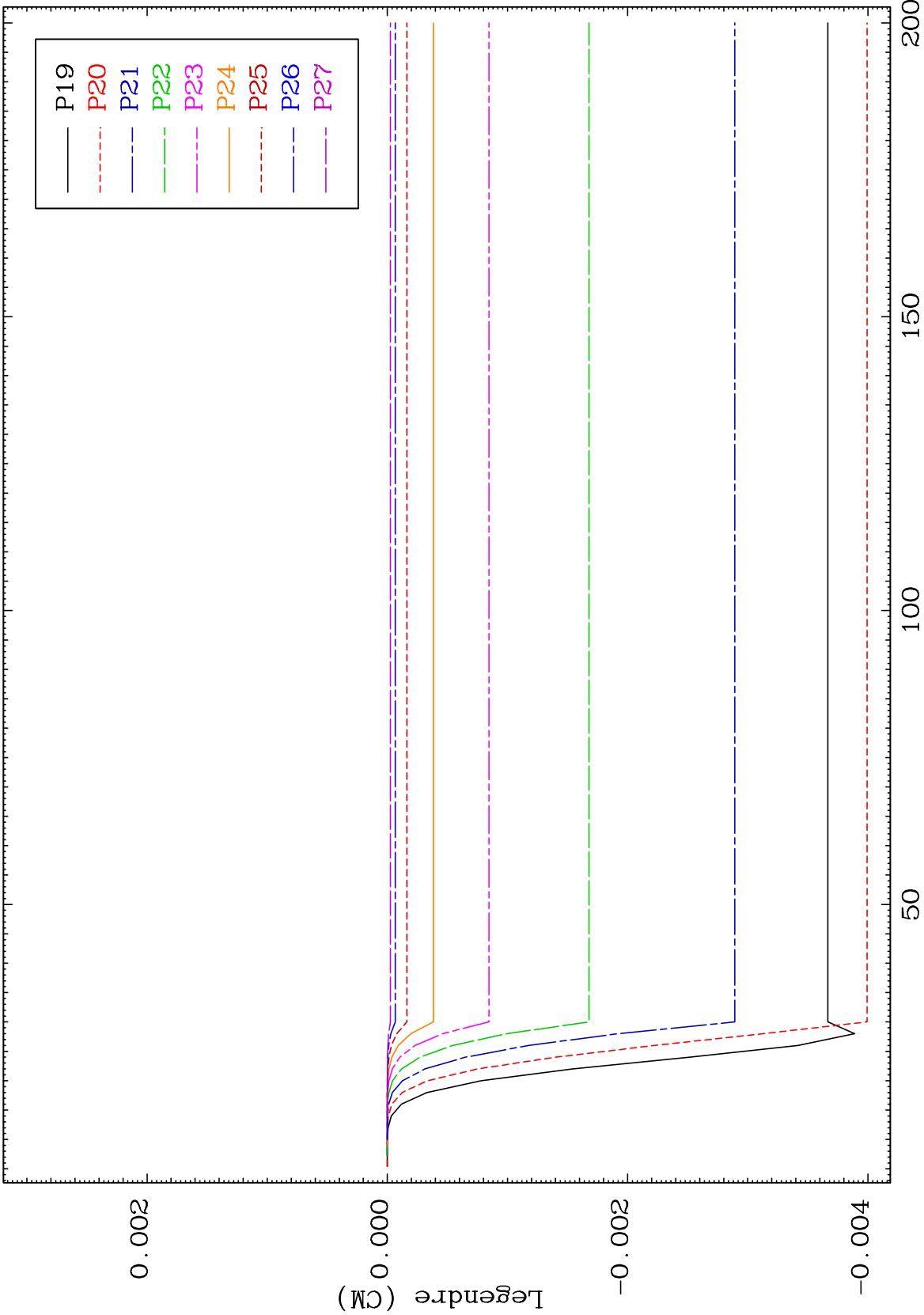
Incident Energy (MeV)

28

MAT 6328

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

63-Eu-152

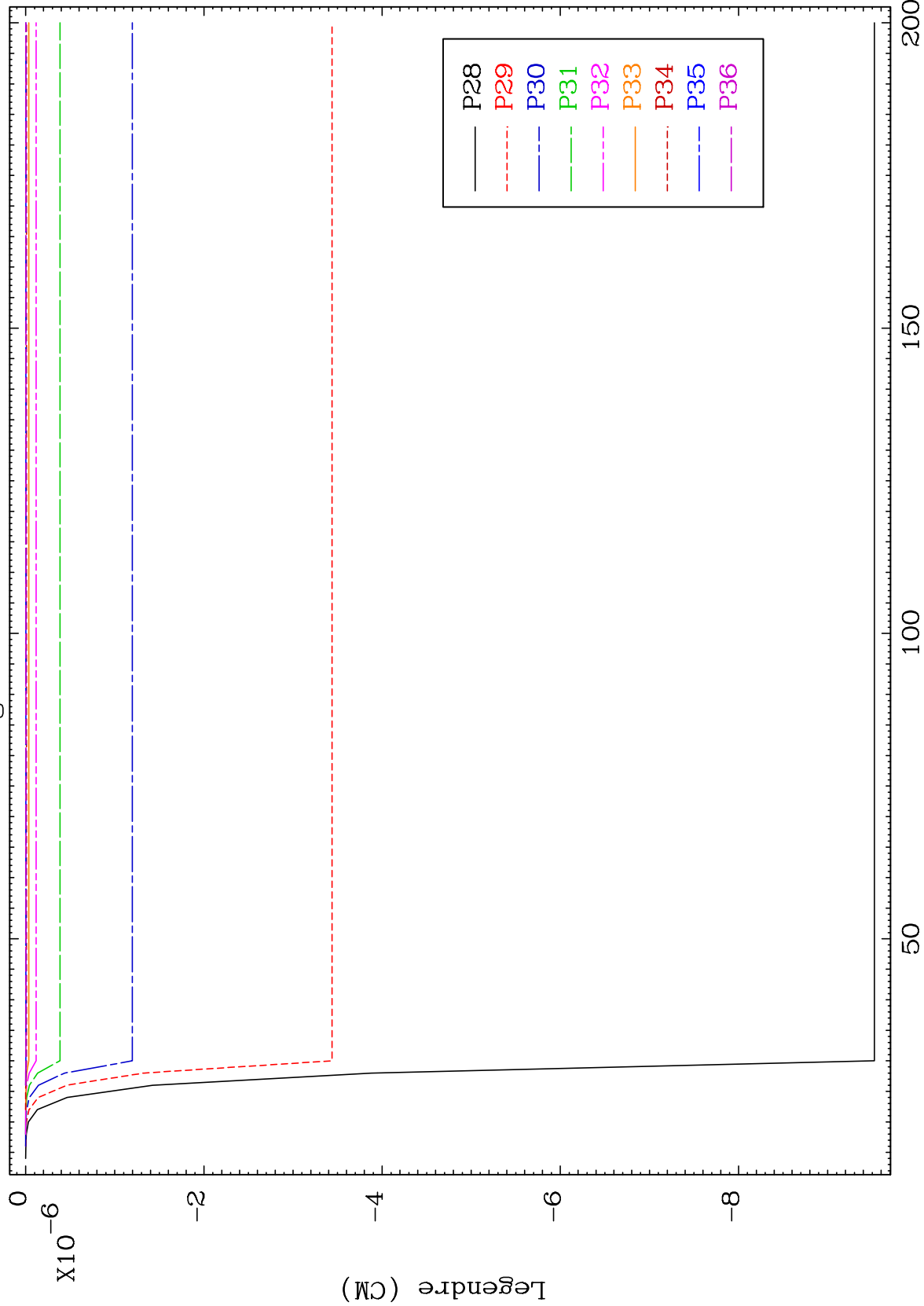


MAT 6328

MT= 53 (n,n') Level

63-Eu-152

Legendre Coefficients



63-Eu-152

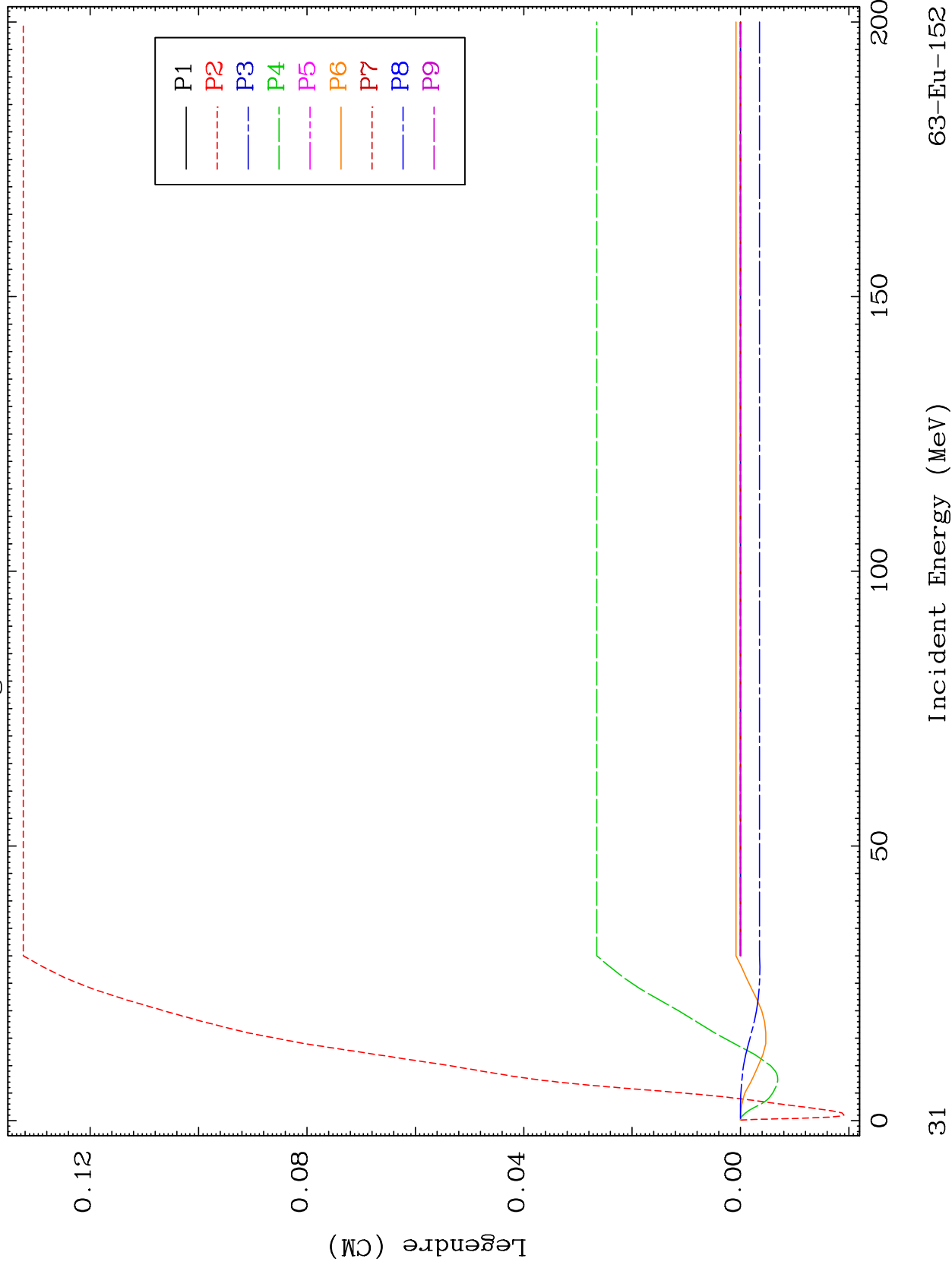
Incident Energy (MeV)

30

MAT 6328

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

63-Eu-152



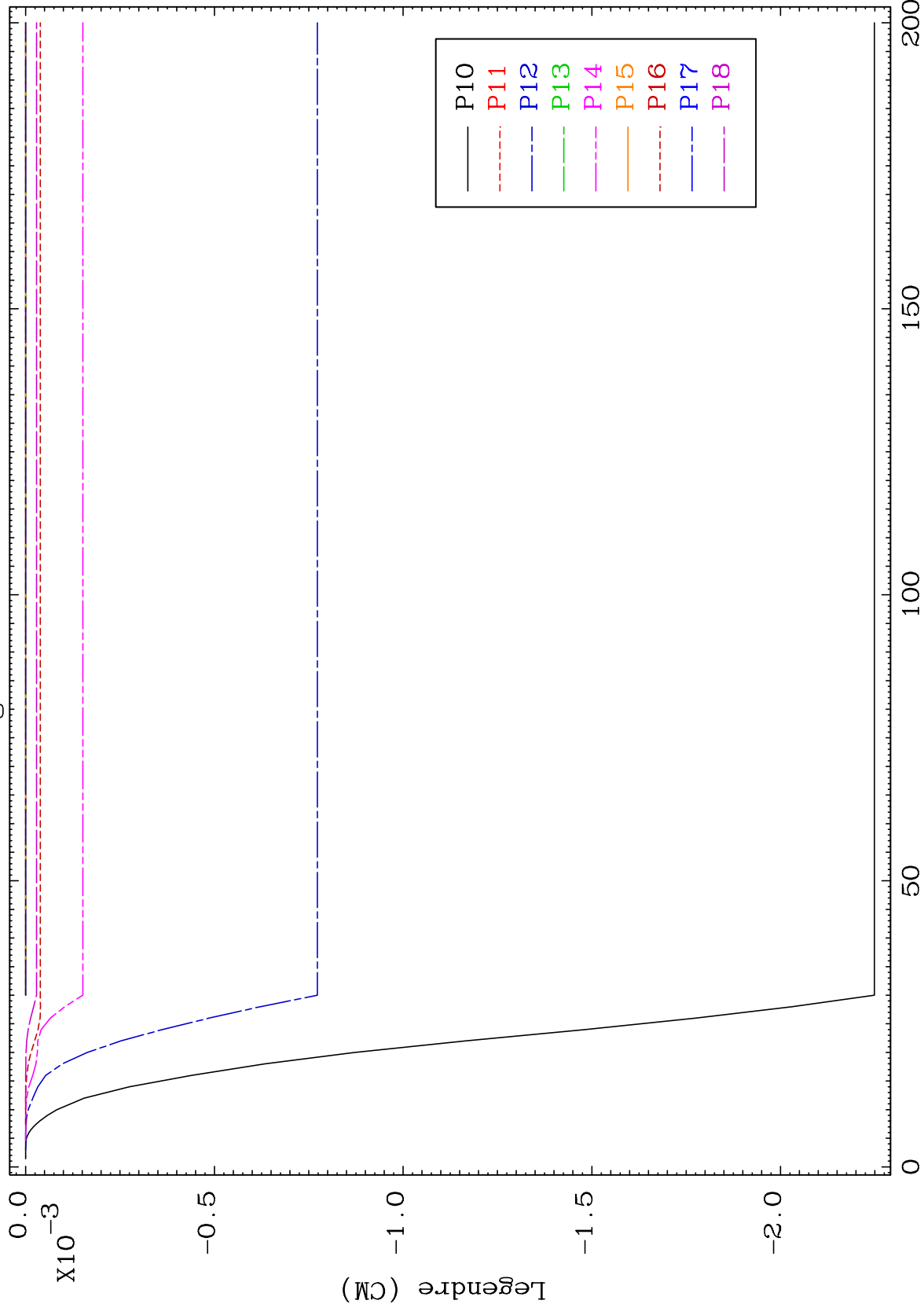
31

63-Eu-152

MAT 6328

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

63-Eu-152



32

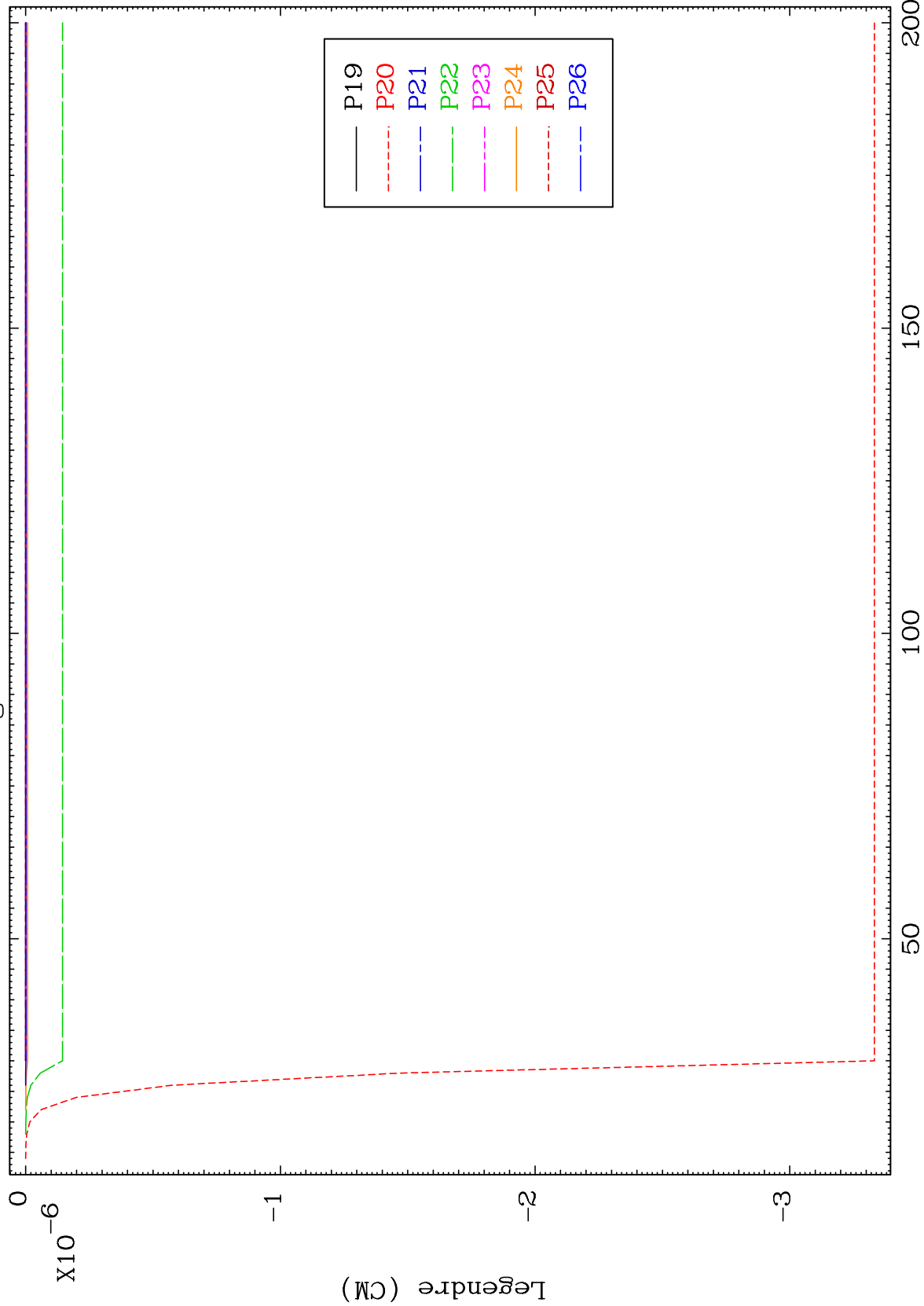
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

63-Eu-152



63-Eu-152

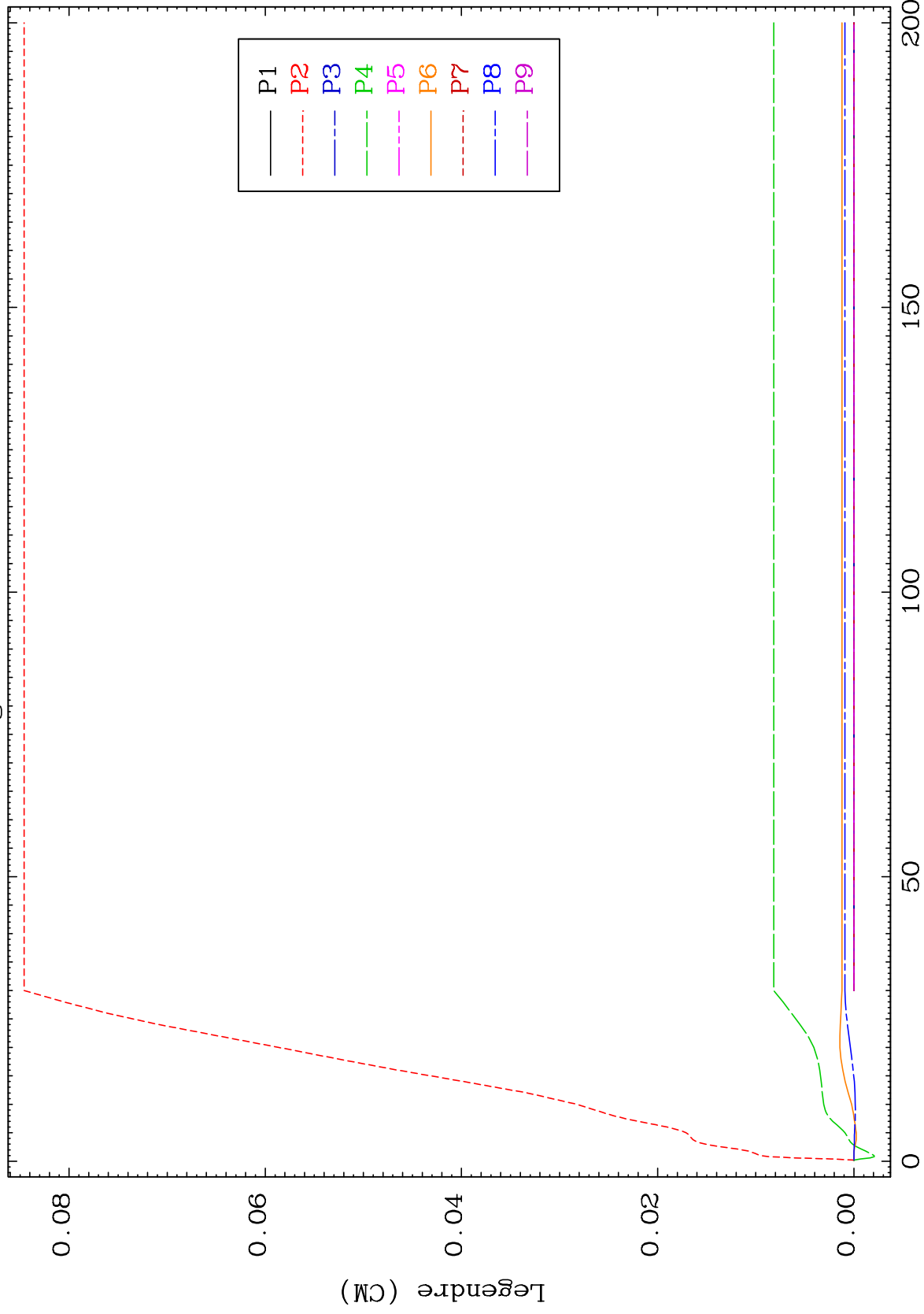
Incident Energy (MeV)

33

MAT 6328

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

63-Eu-152



34

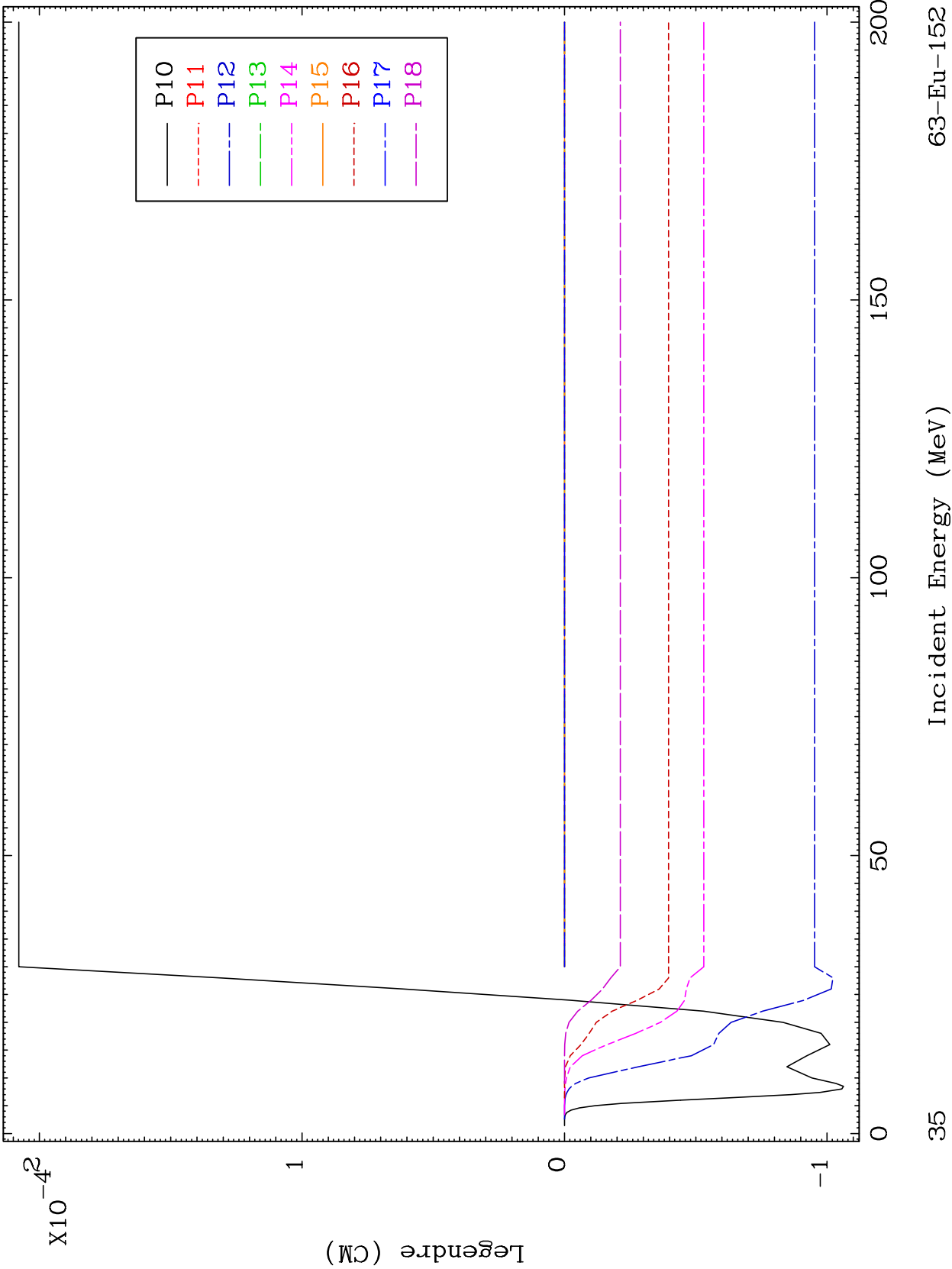
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

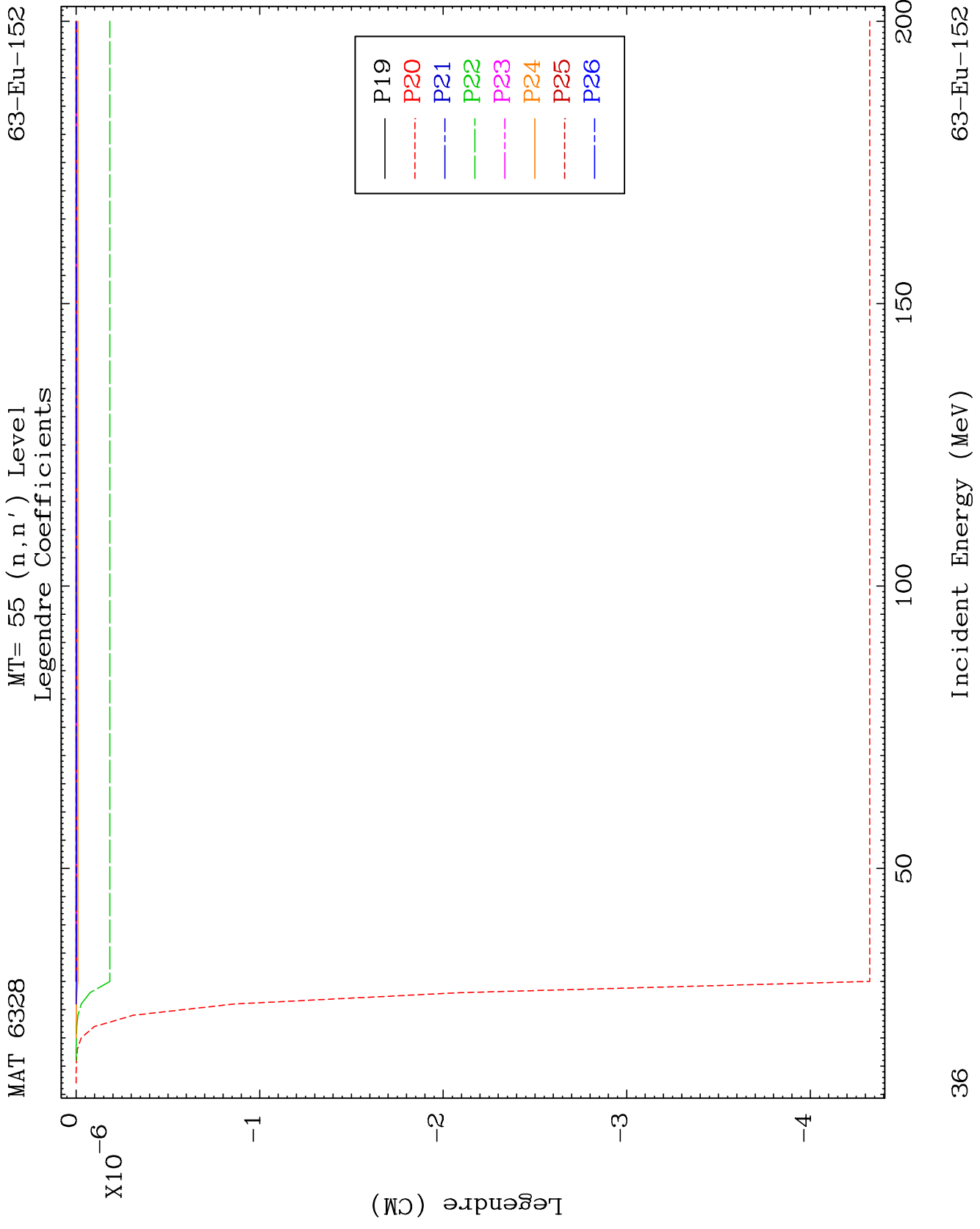
63-Eu-152



63-Eu-152

Incident Energy (MeV)

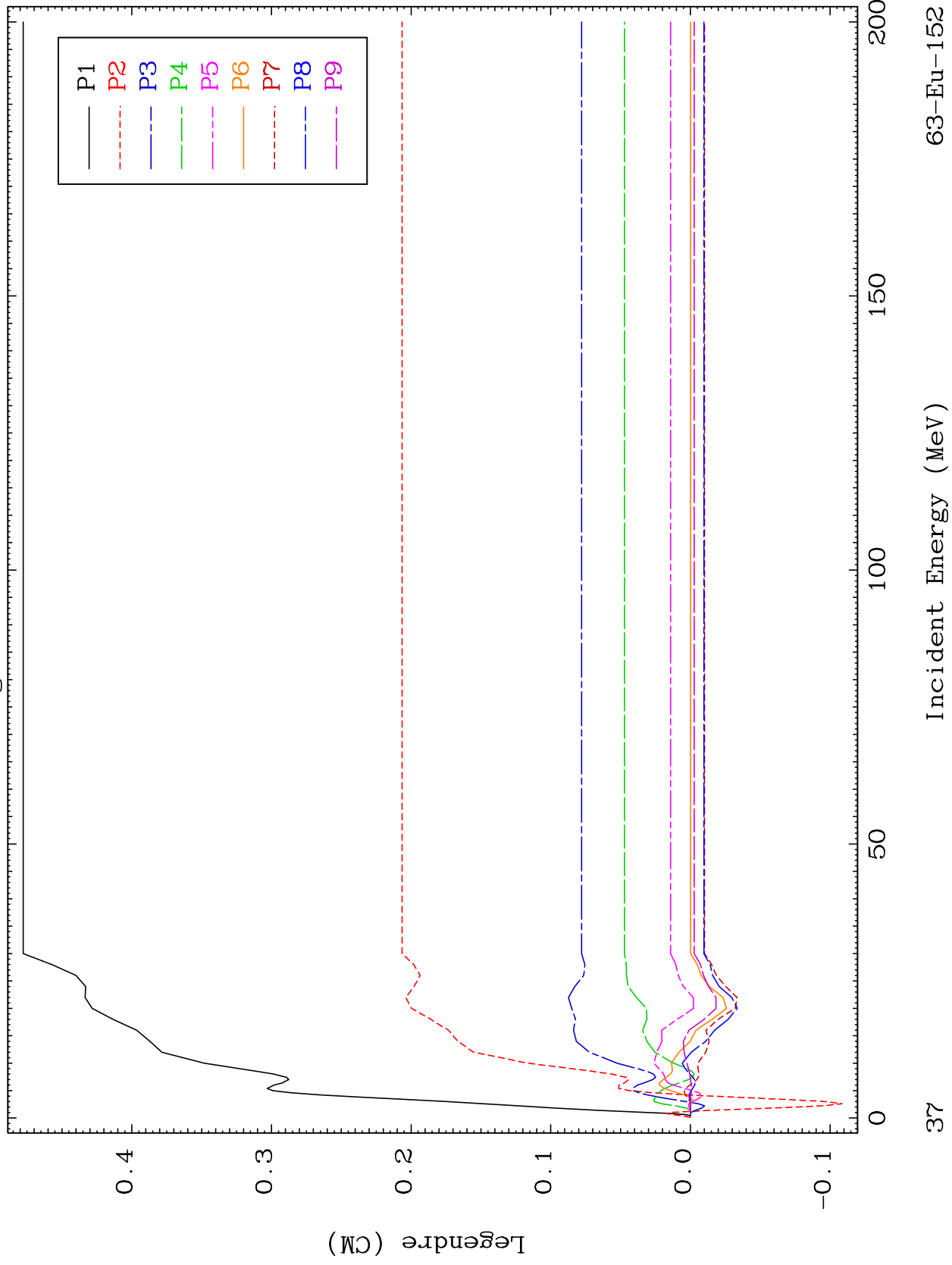
35



MAT 6328

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

63-Eu-152



63-Eu-152

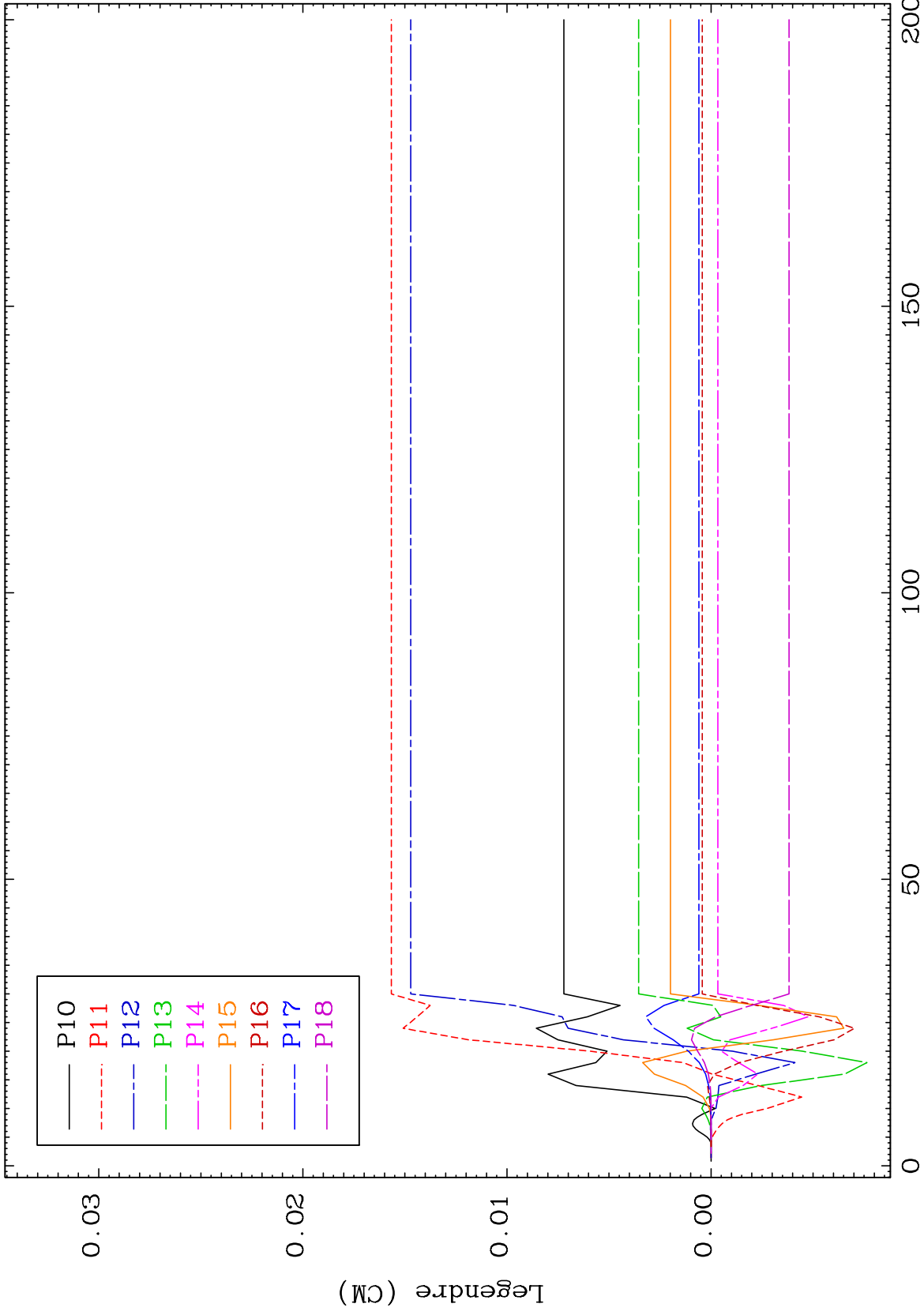
Incident Energy (MeV)

37

MAT 6328

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

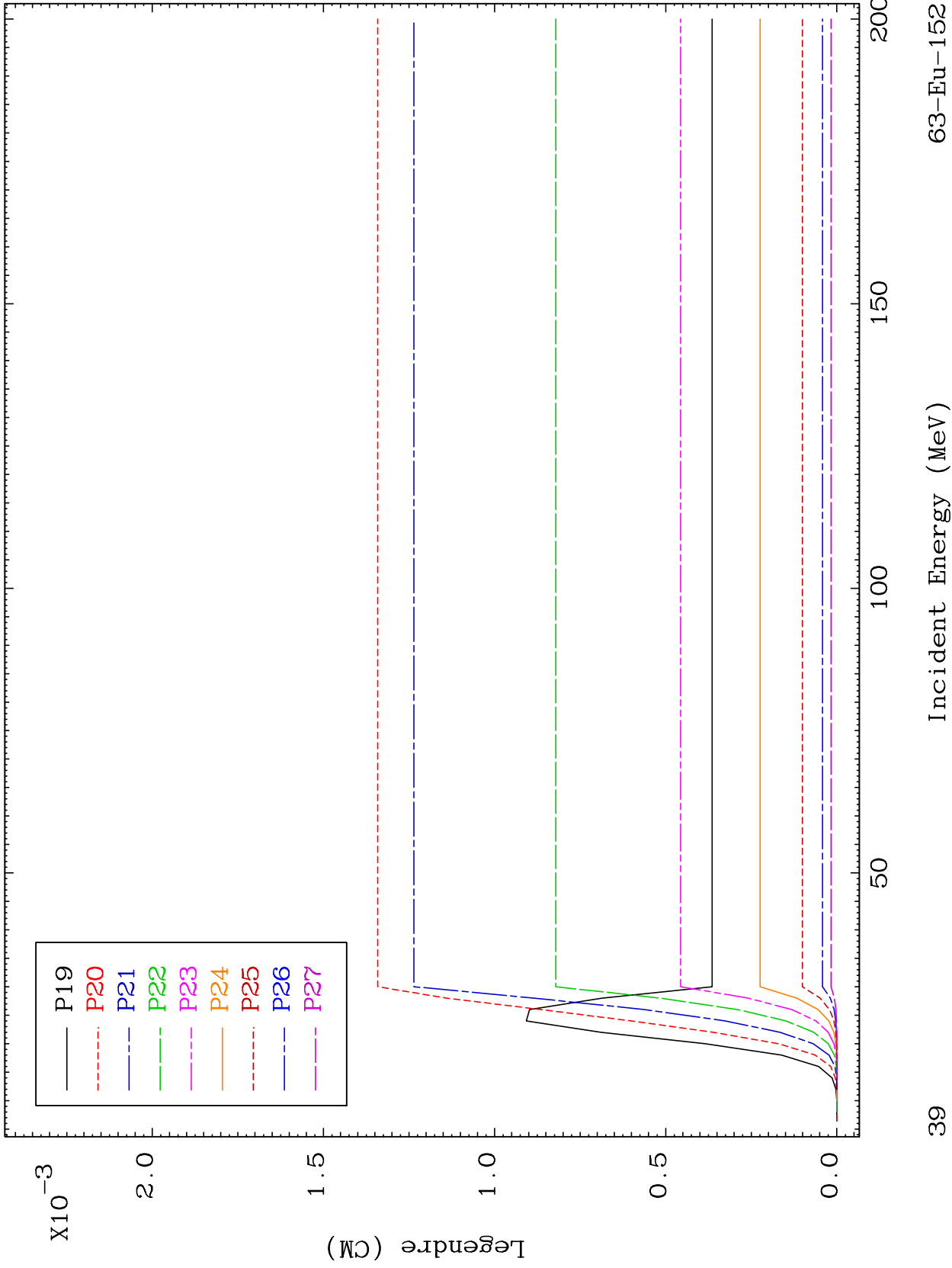
63-Eu-152



38

Incident Energy (MeV)

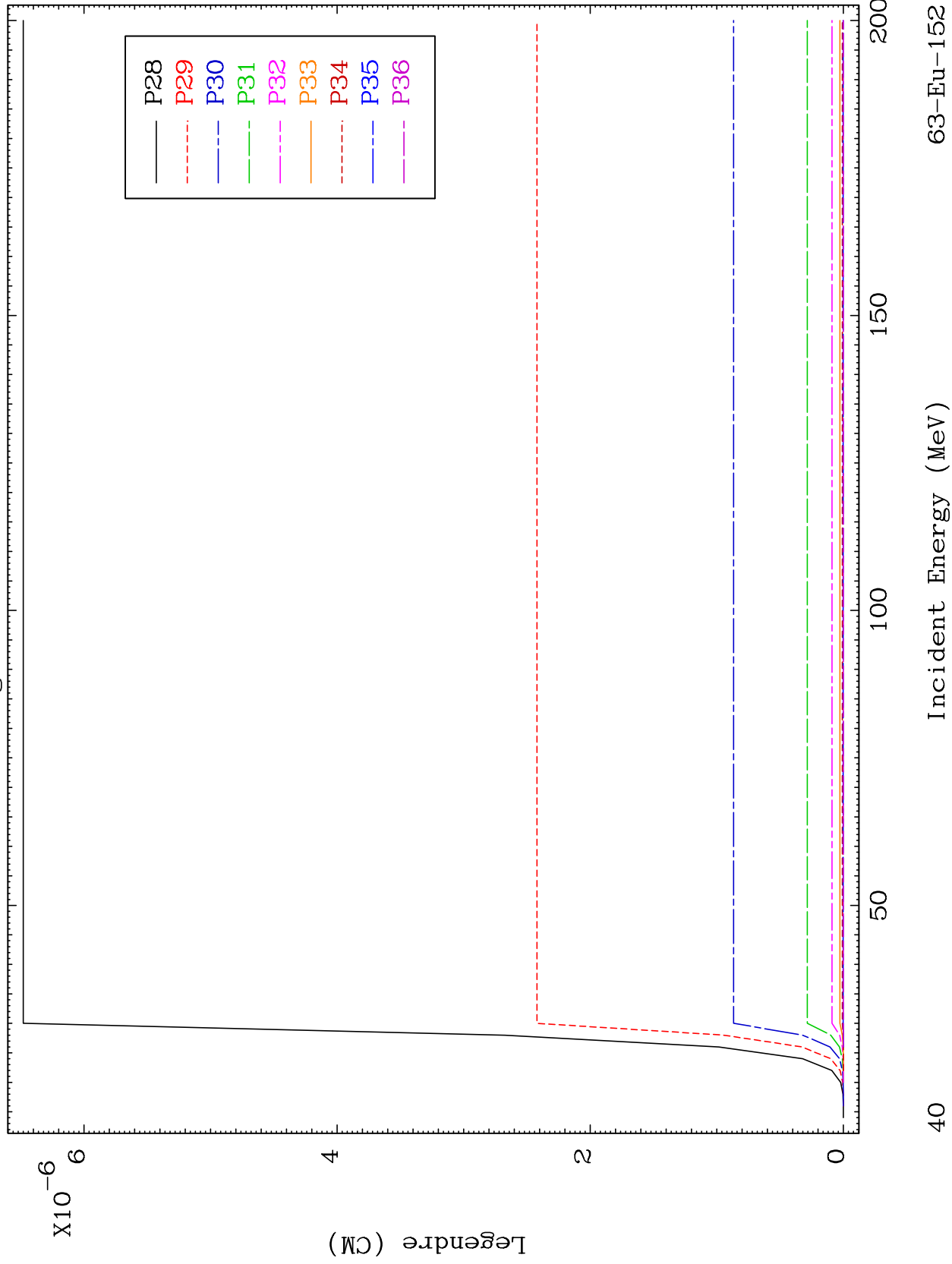
63-Eu-152



MAT 6328

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

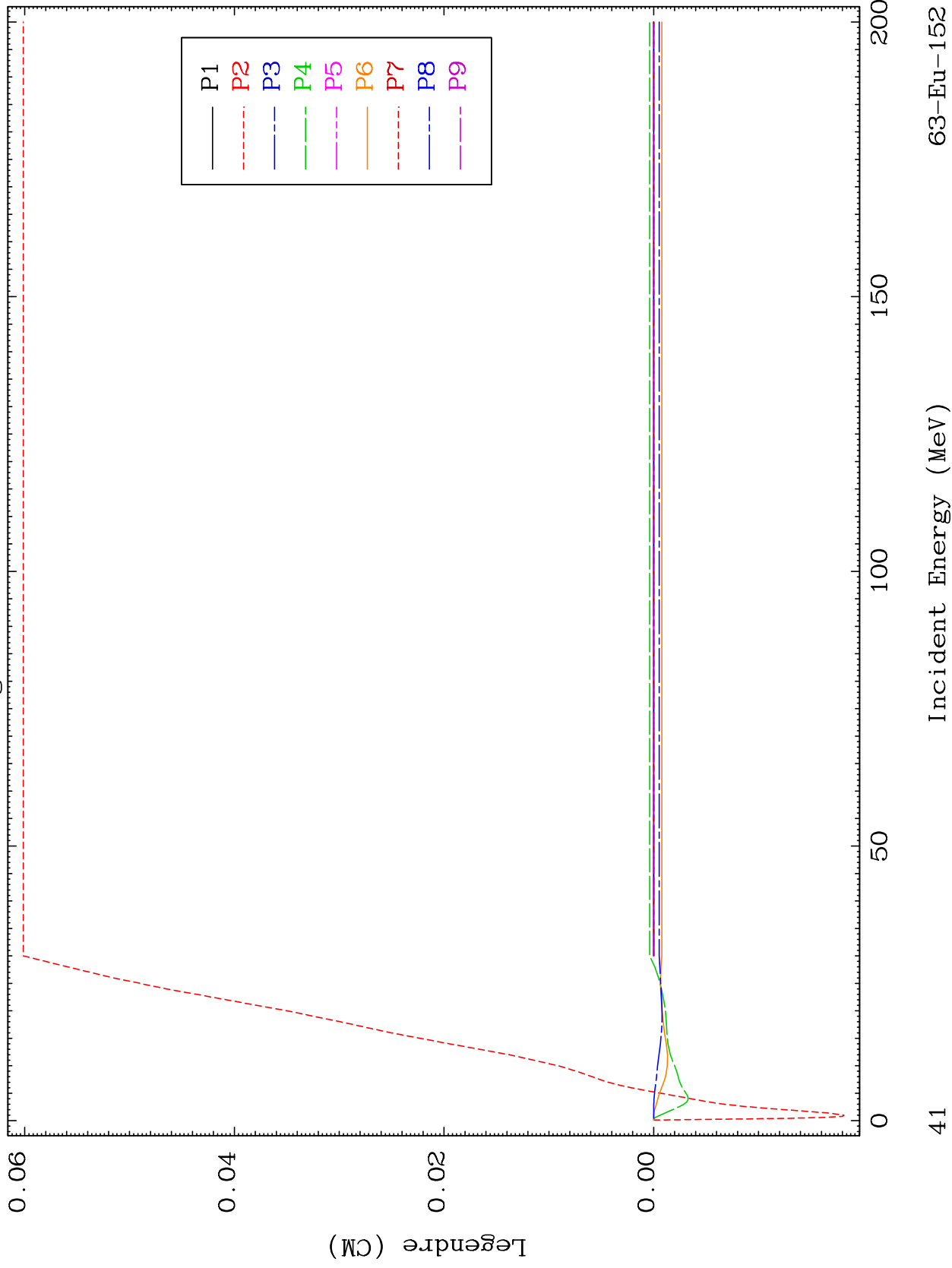
63-Eu-152



MAT 6328

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

63-Eu-152



63-Eu-152

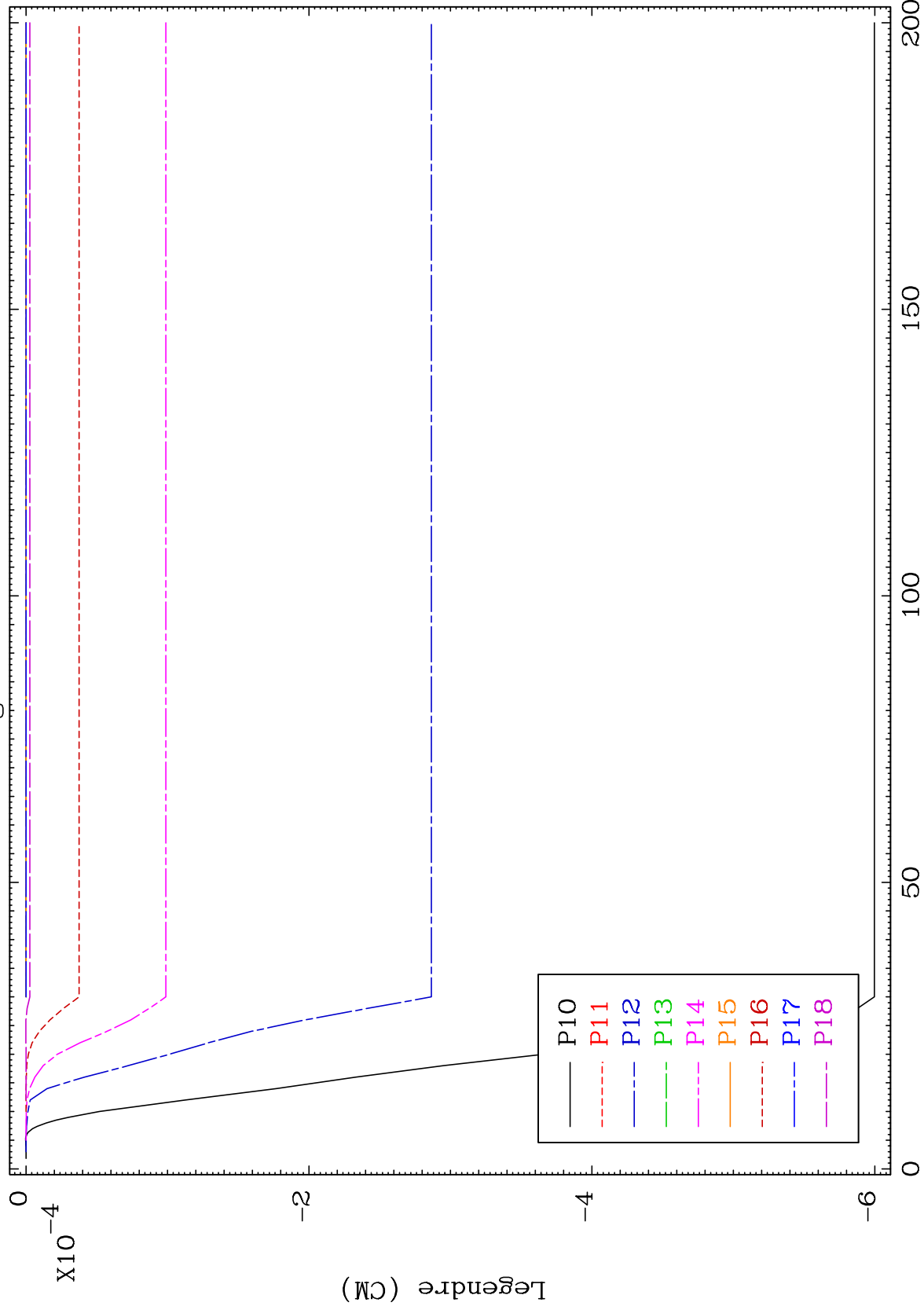
Incident Energy (MeV)

41

MAT 6328

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

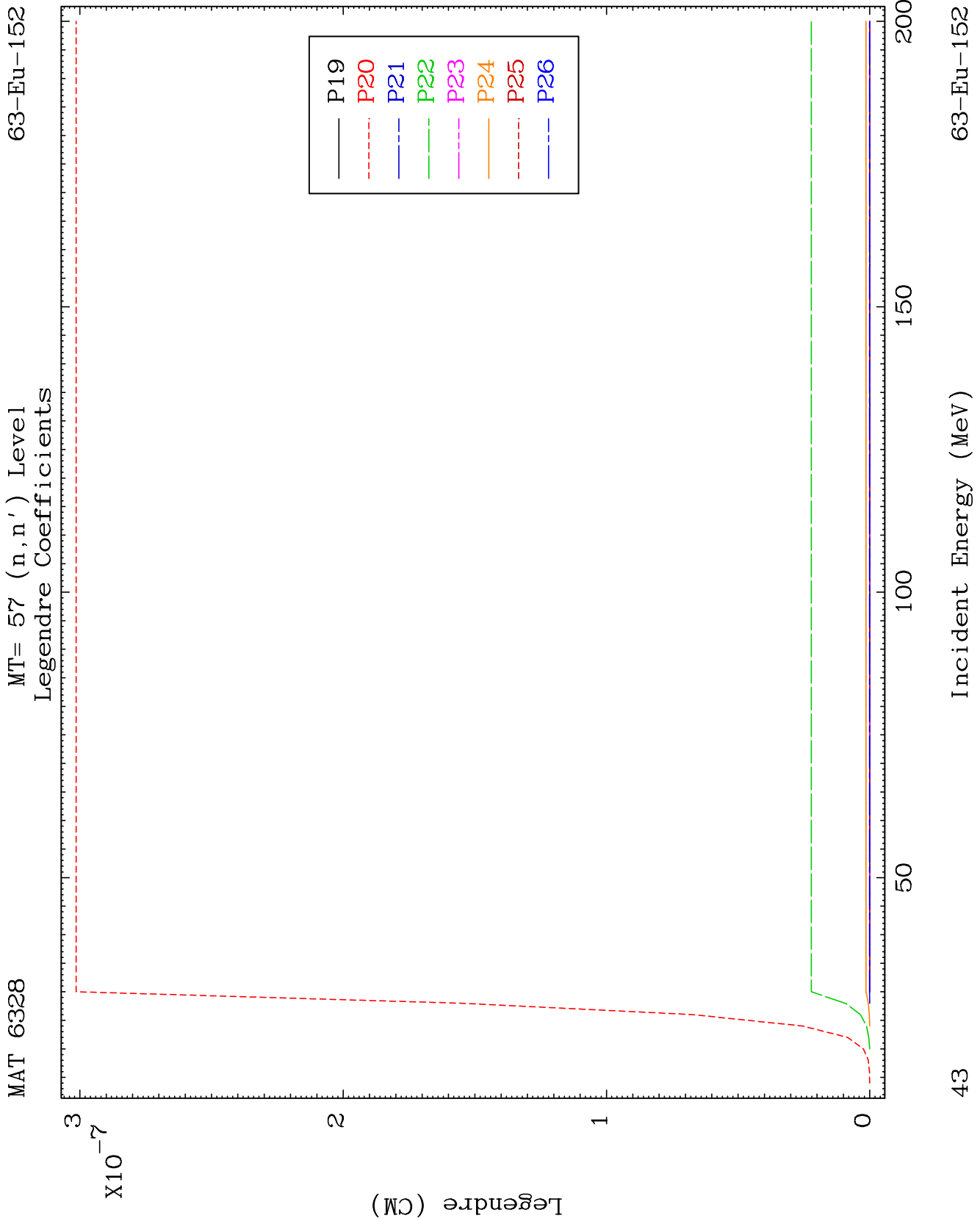
63-Eu-152



42

Incident Energy (MeV)

63-Eu-152



63-Eu-152

Incident Energy (MeV)

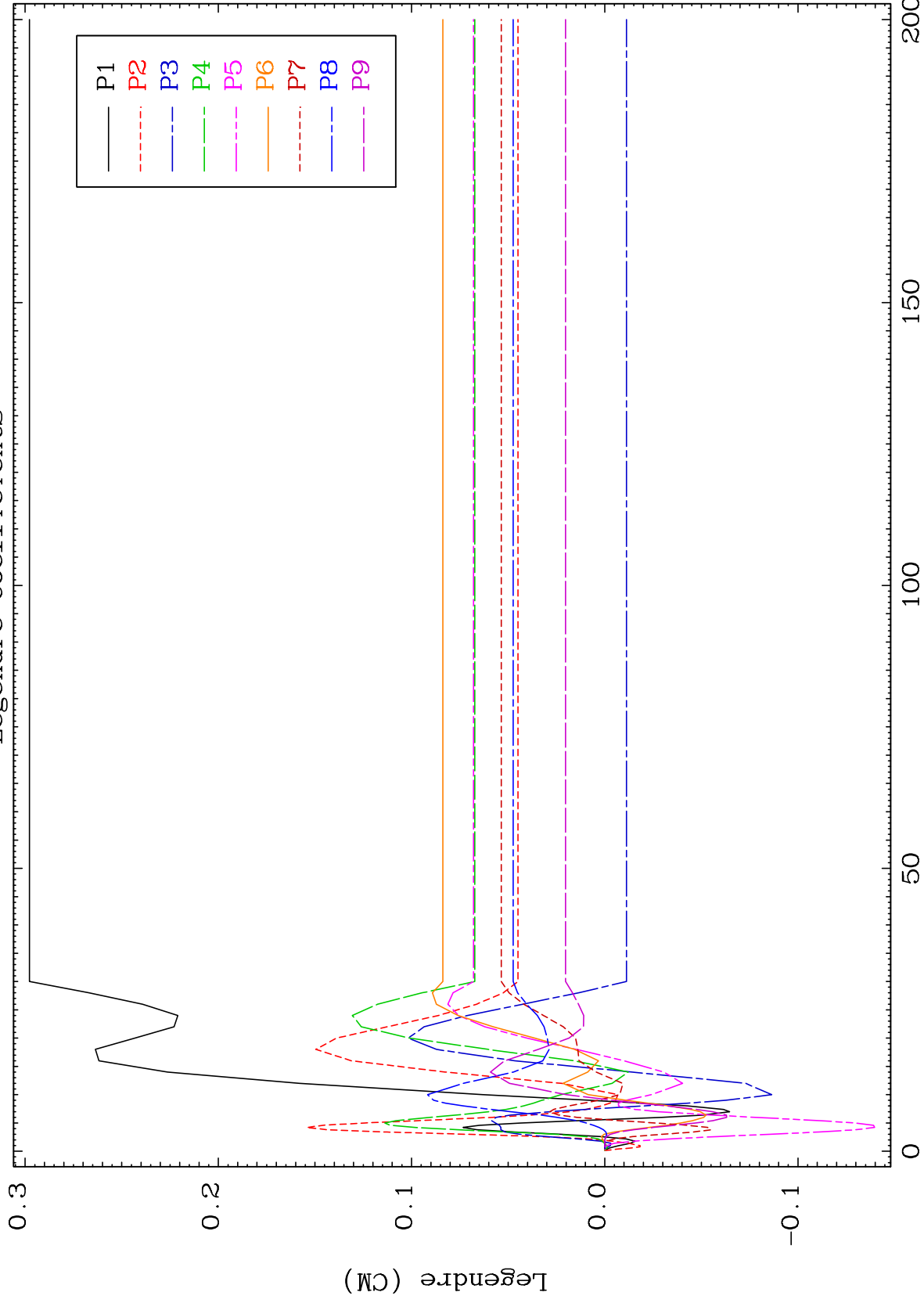
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MAT 6328

MT= 58 (n,n') Level

63-Eu-152

Legendre Coefficients



44

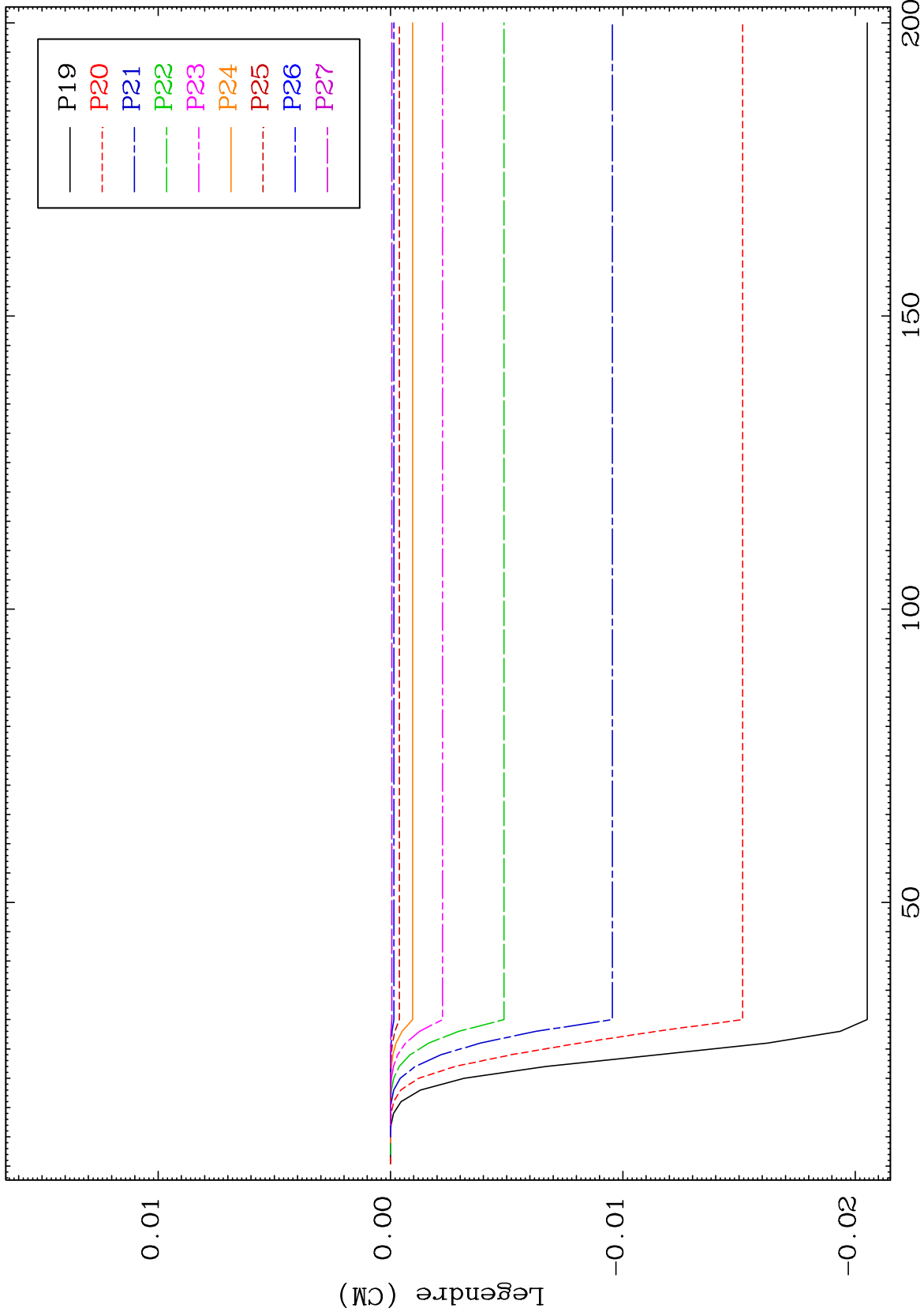
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

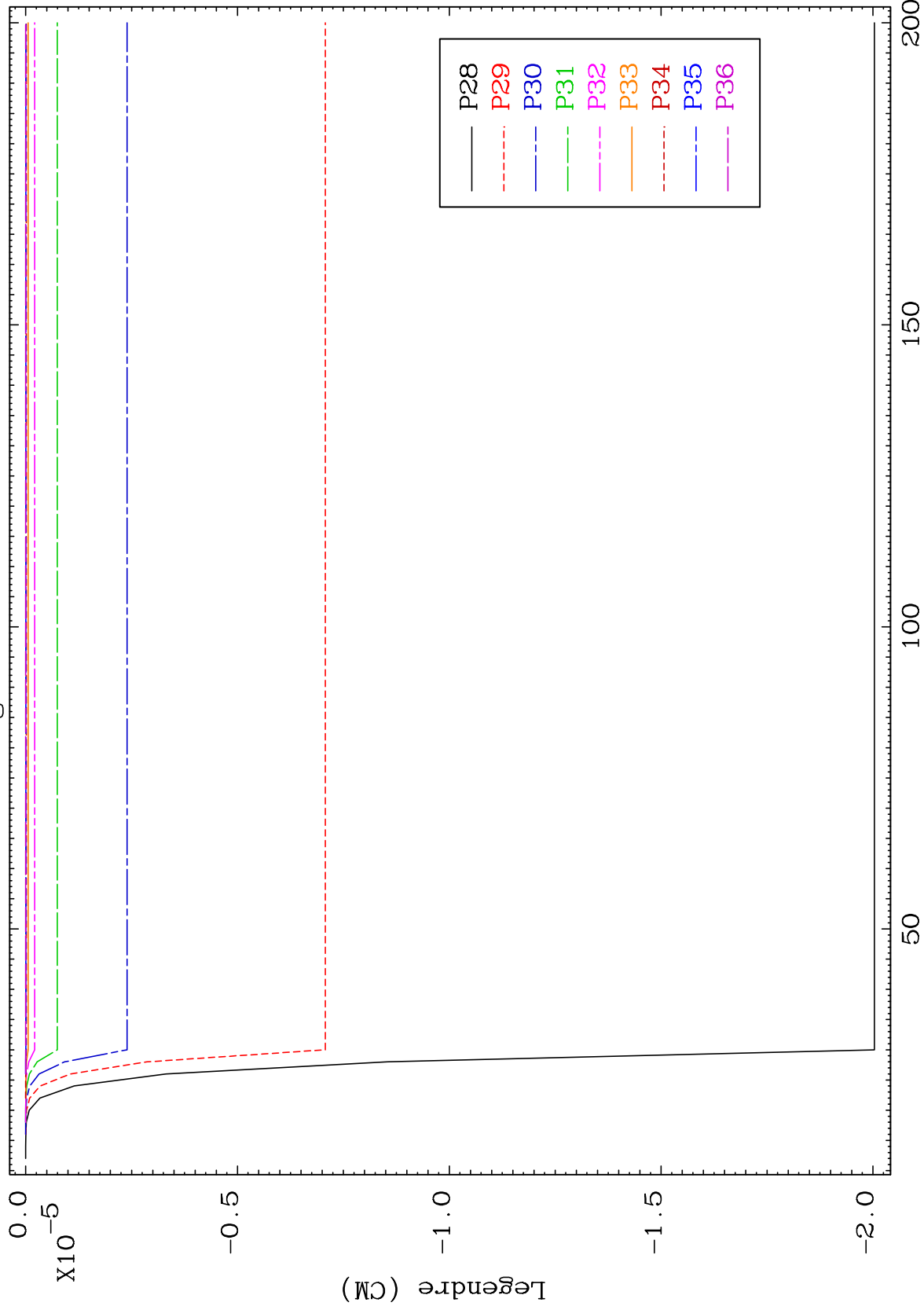
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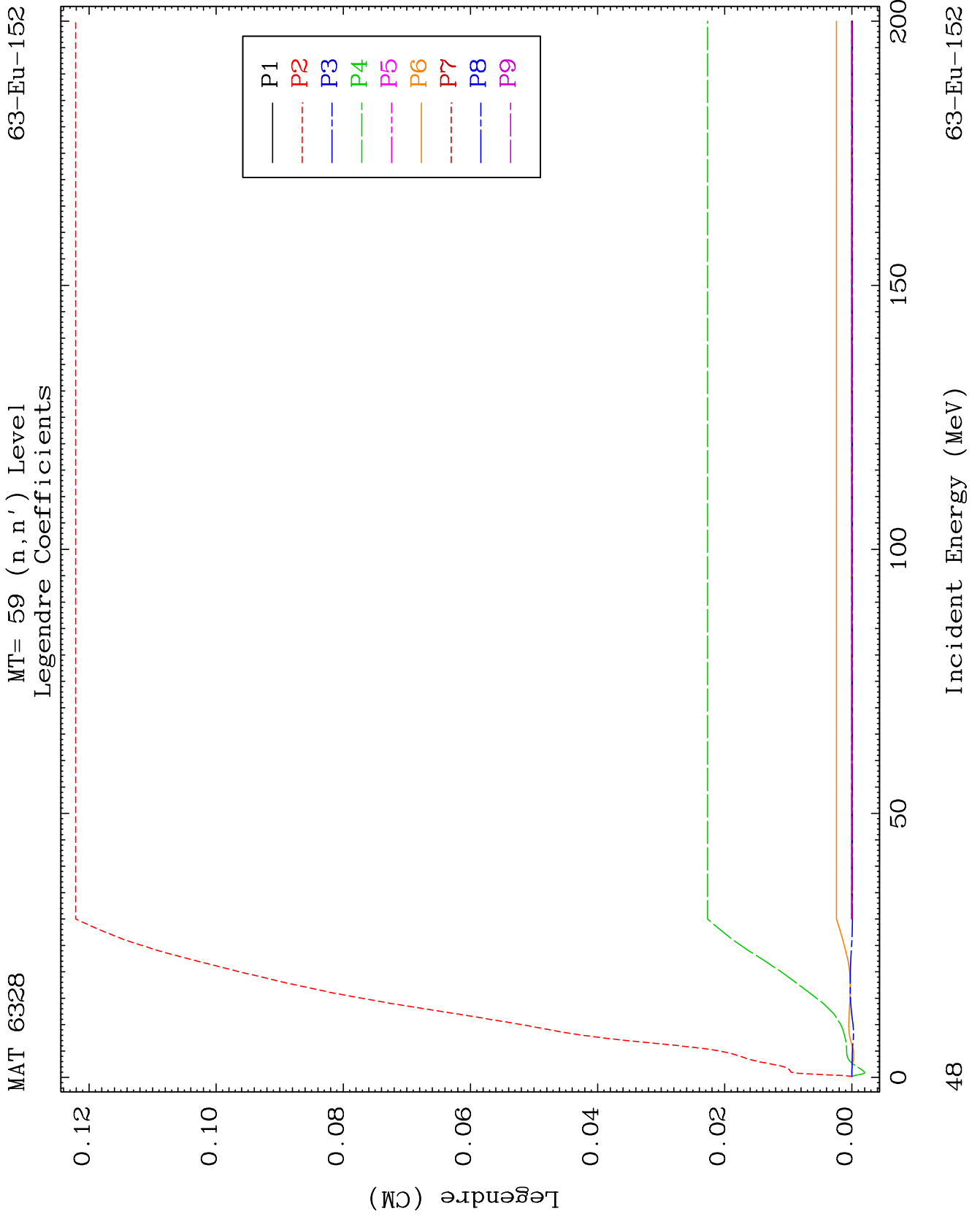


46

Incident Energy (MeV)

63-Eu-152

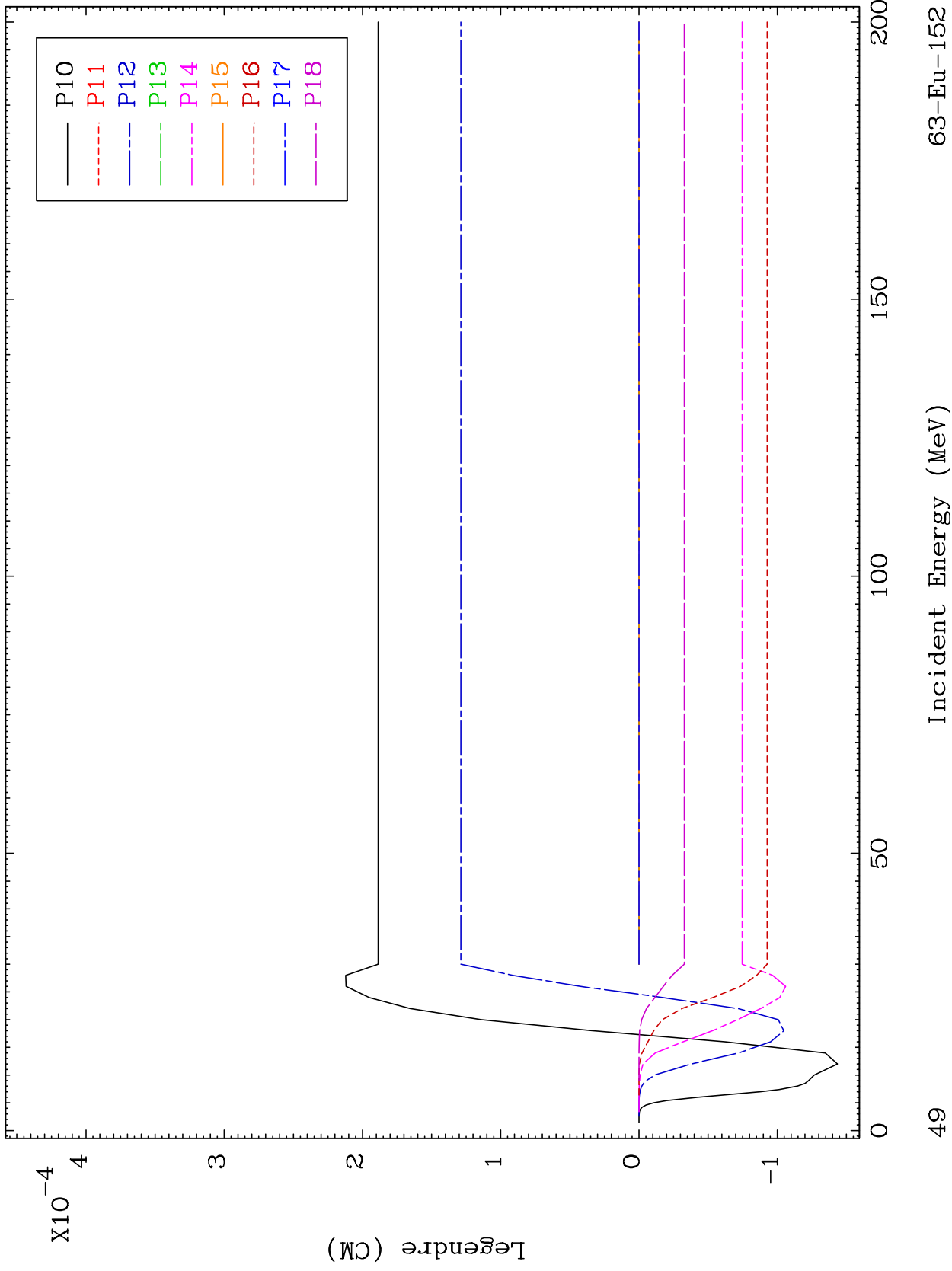




MAT 6328

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

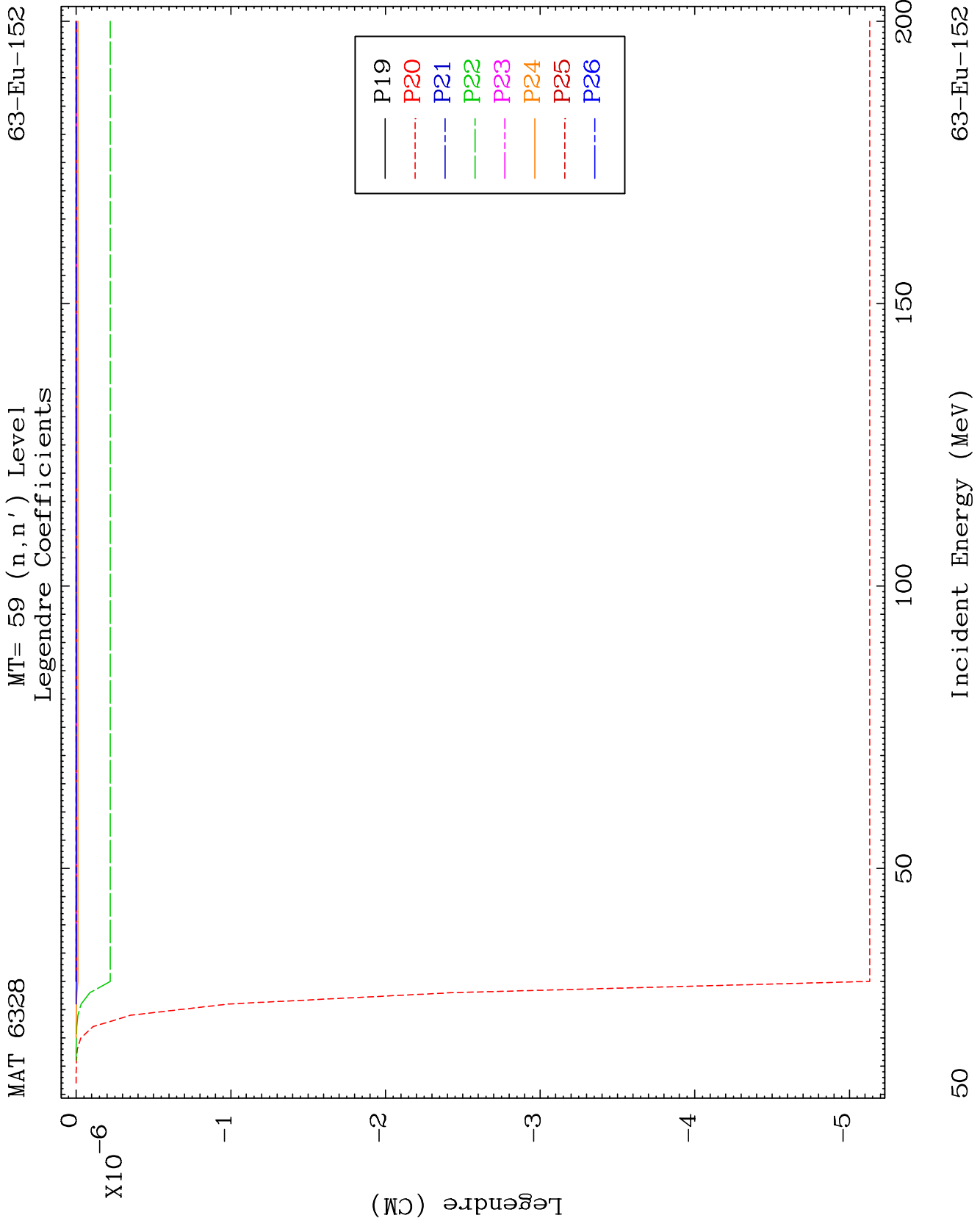
63-Eu-152



63-Eu-152

Incident Energy (MeV)

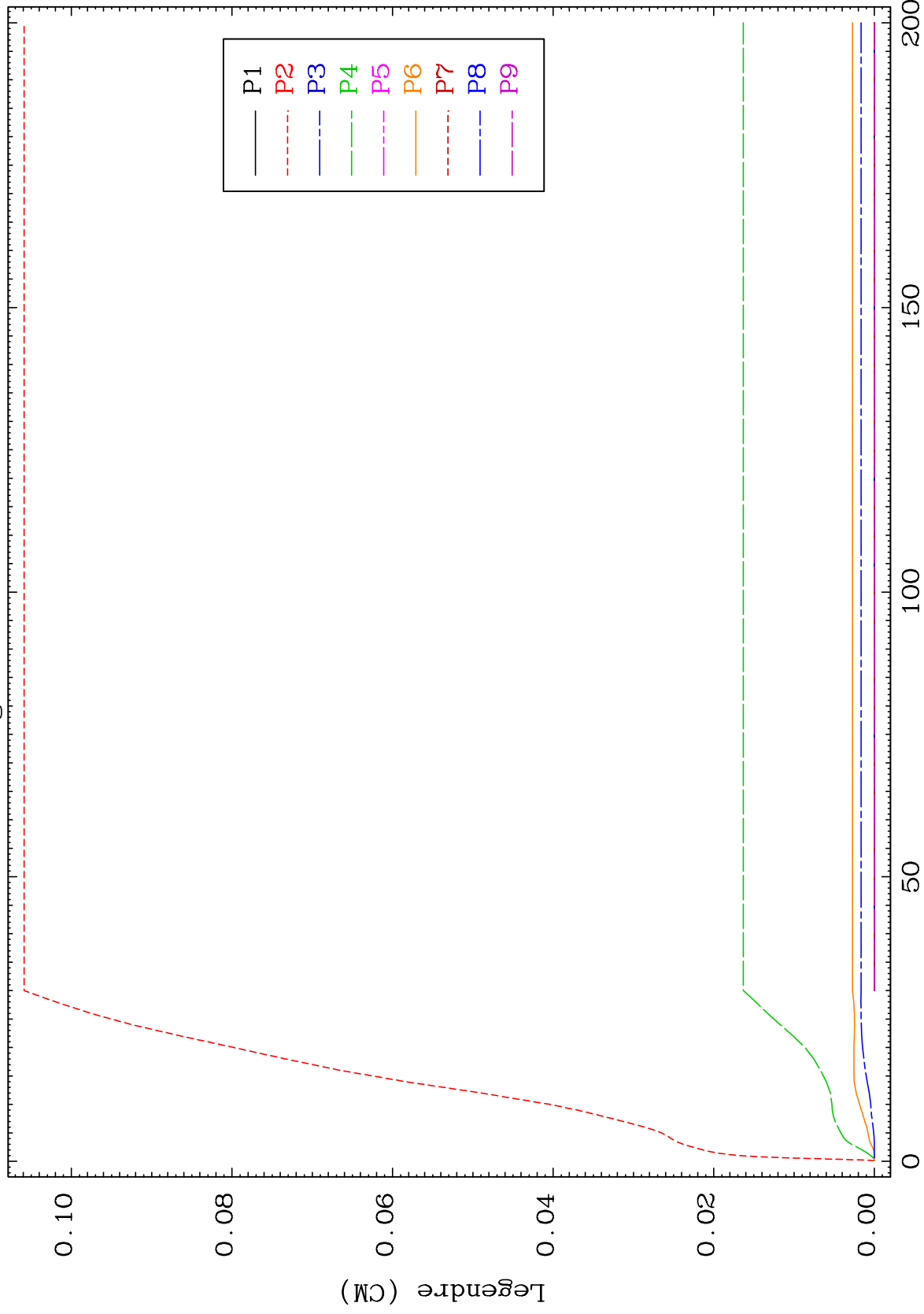
49



MAT 6328

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

63-Eu-152



51

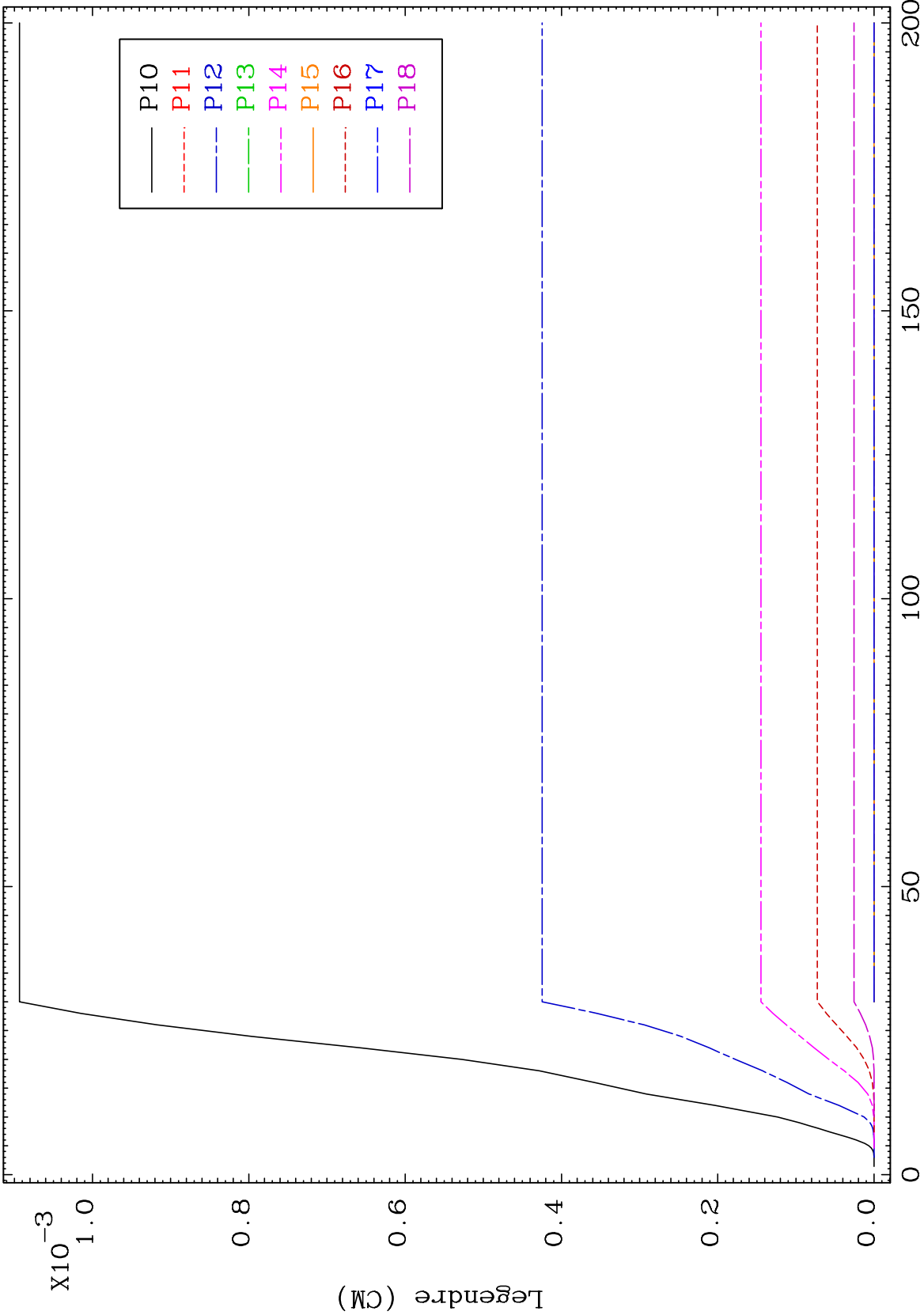
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

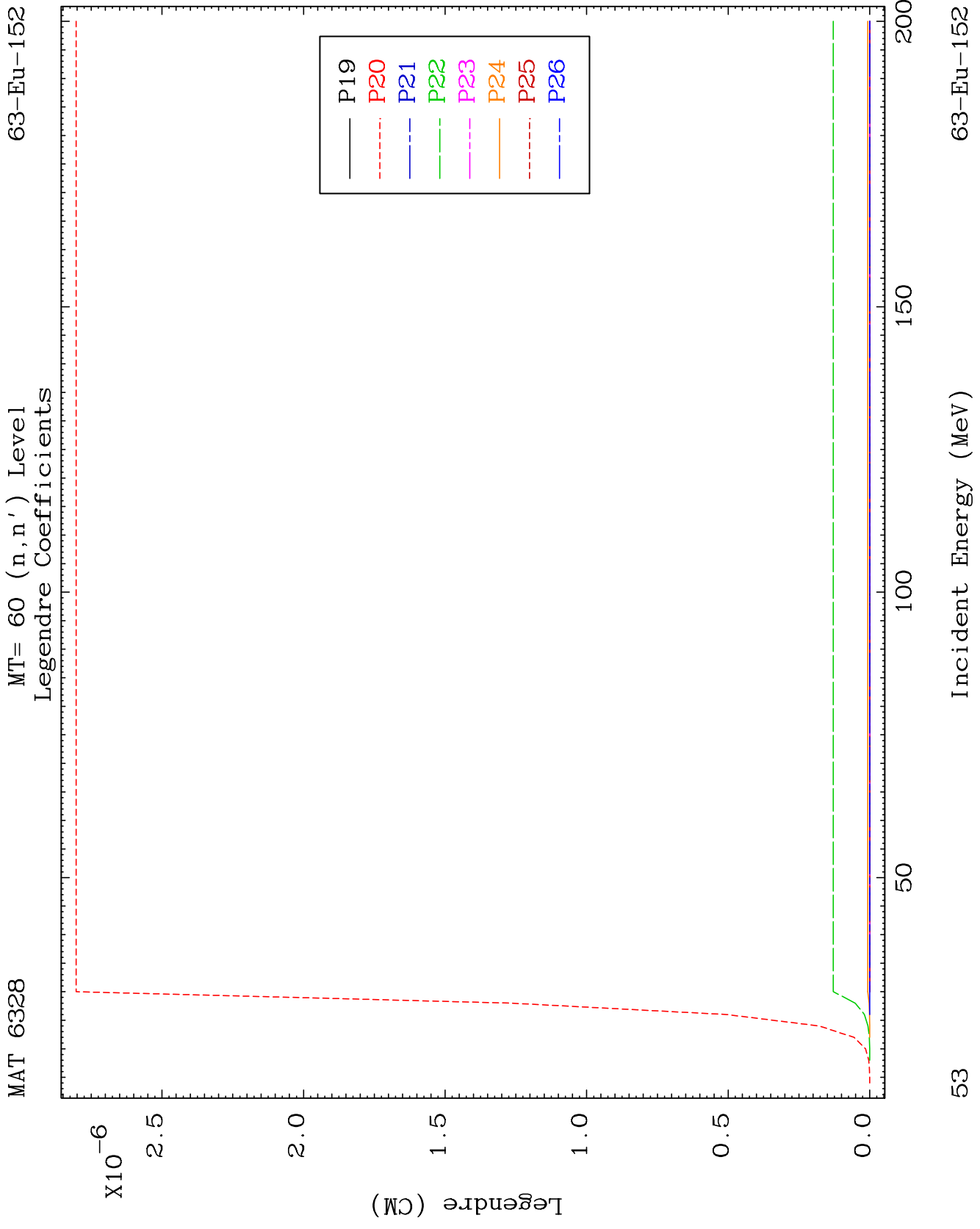
63-Eu-152



52

Incident Energy (MeV)

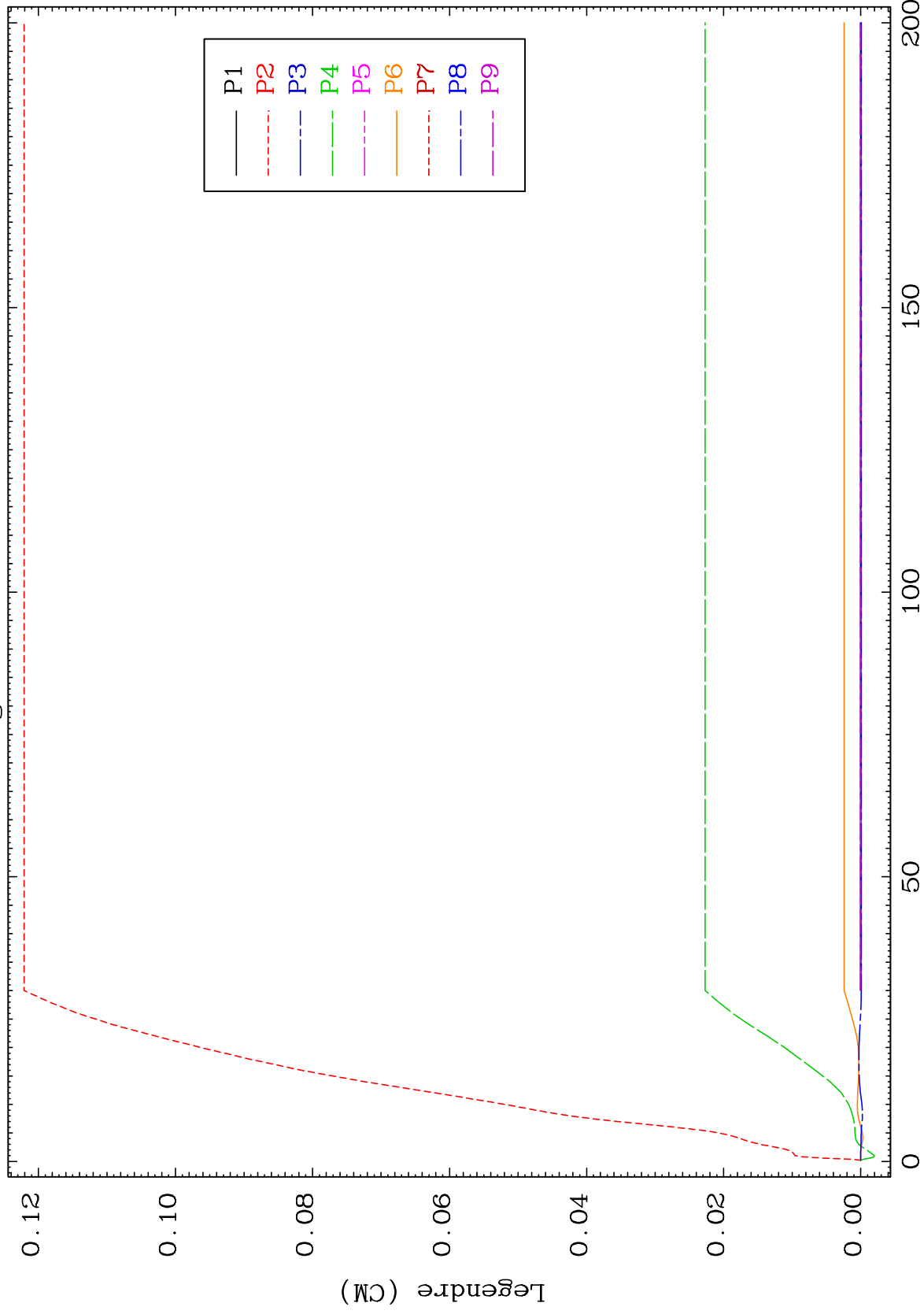
63-Eu-152



MAT 6328

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

63-Eu-152



54

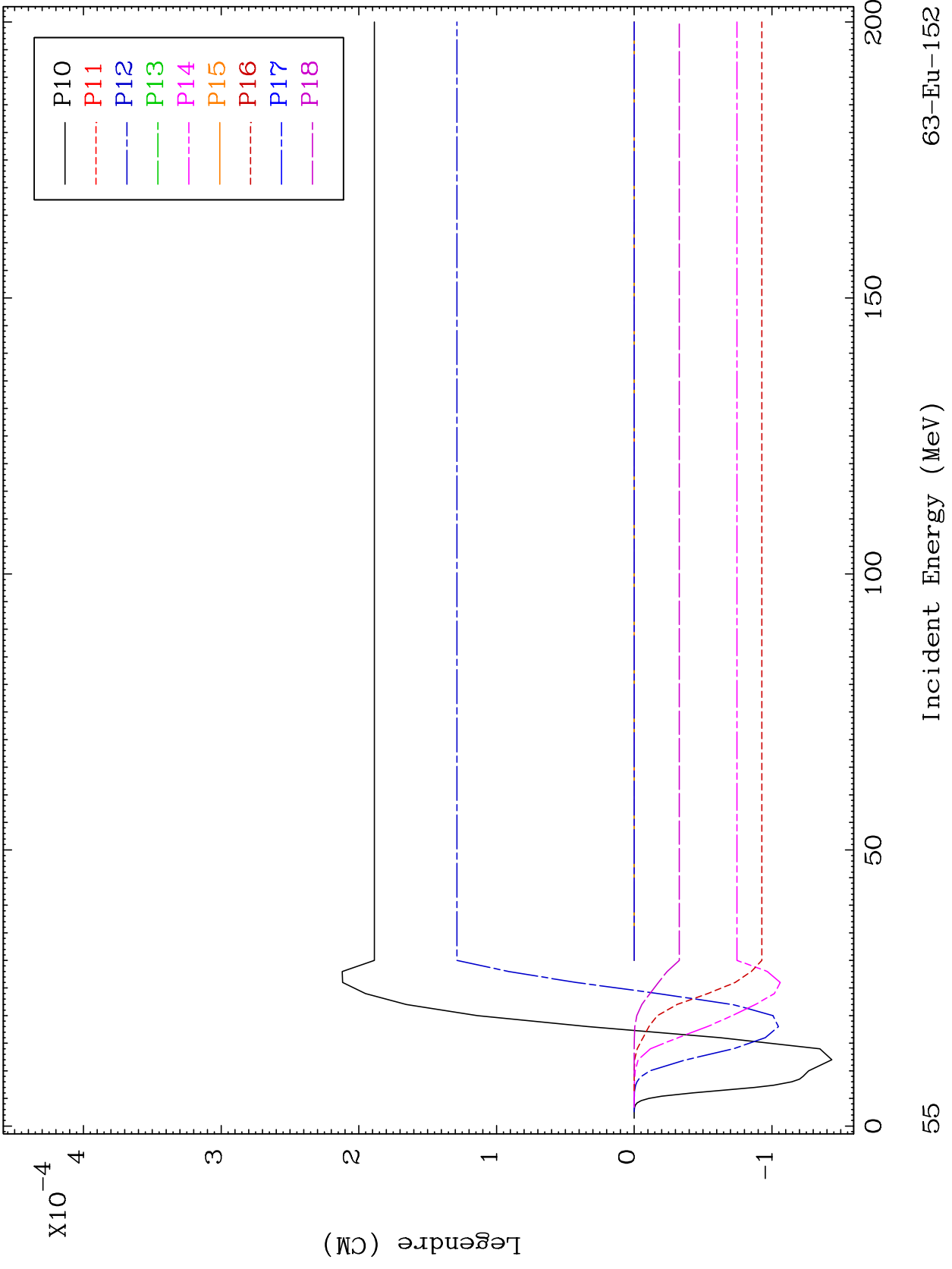
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

63-Eu-152



63-Eu-152

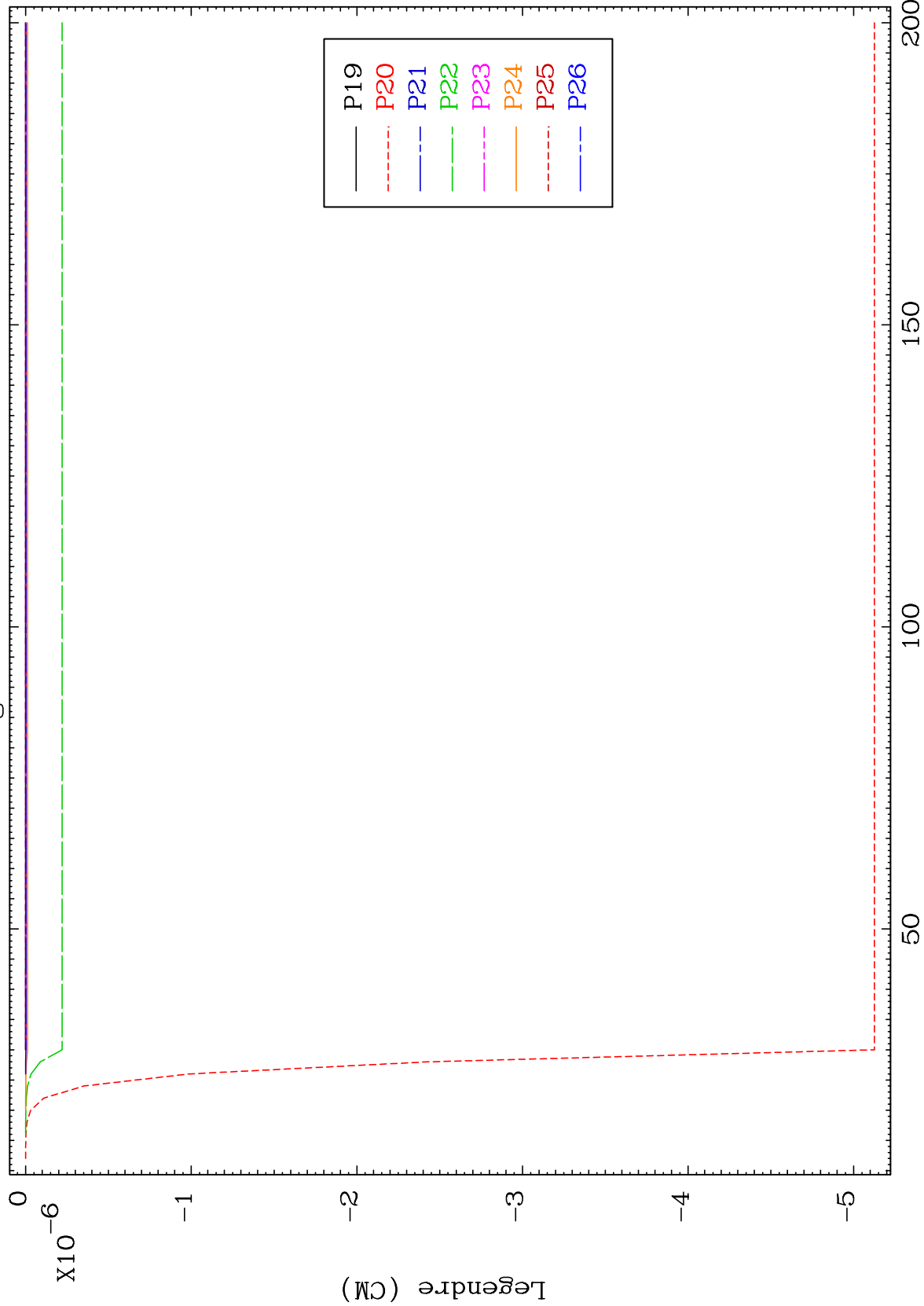
Incident Energy (MeV)

55

MAT 6328

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

63-Eu-152



63-Eu-152

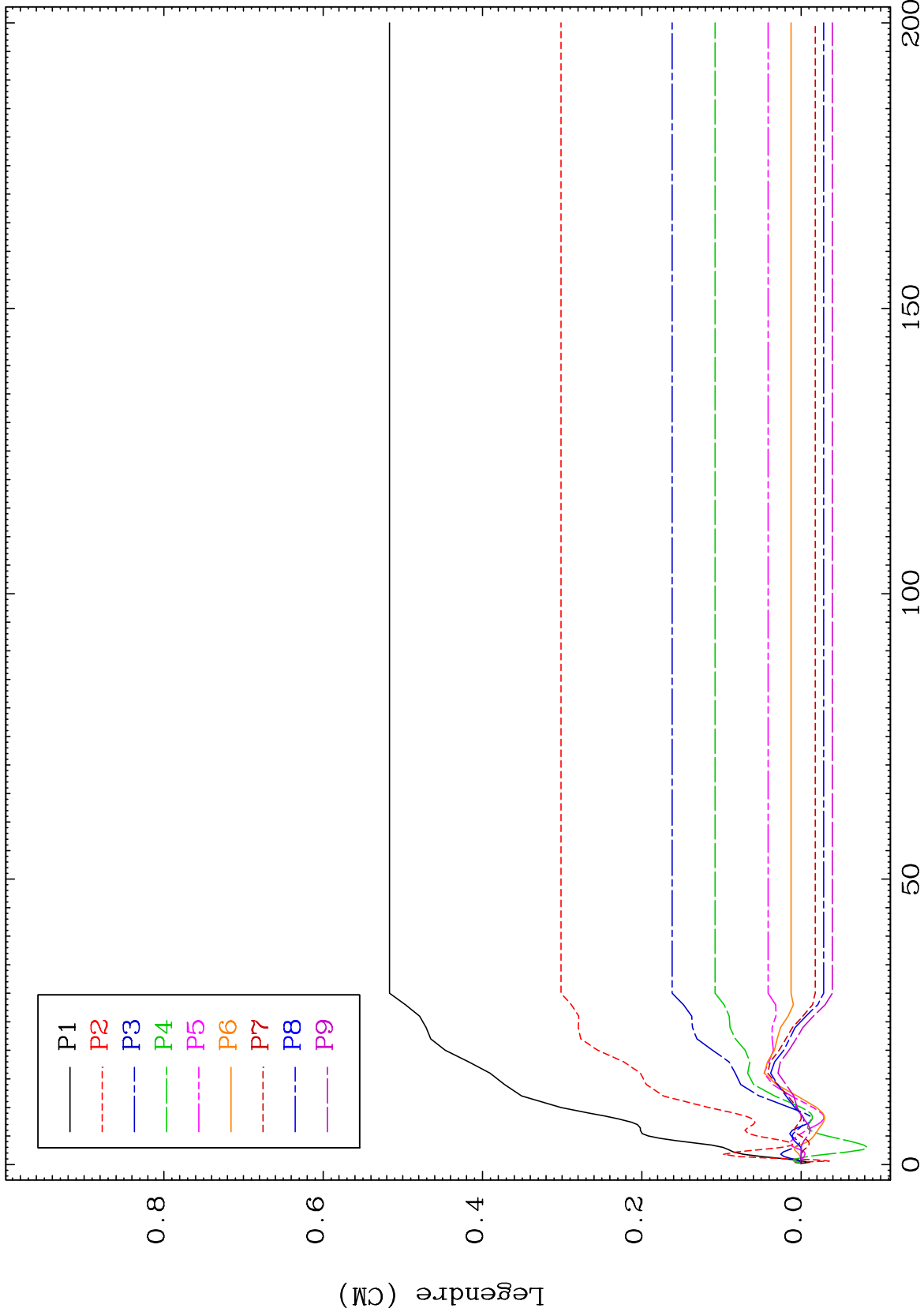
Incident Energy (MeV)

56

MAT 6328

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

63-Eu-152



57

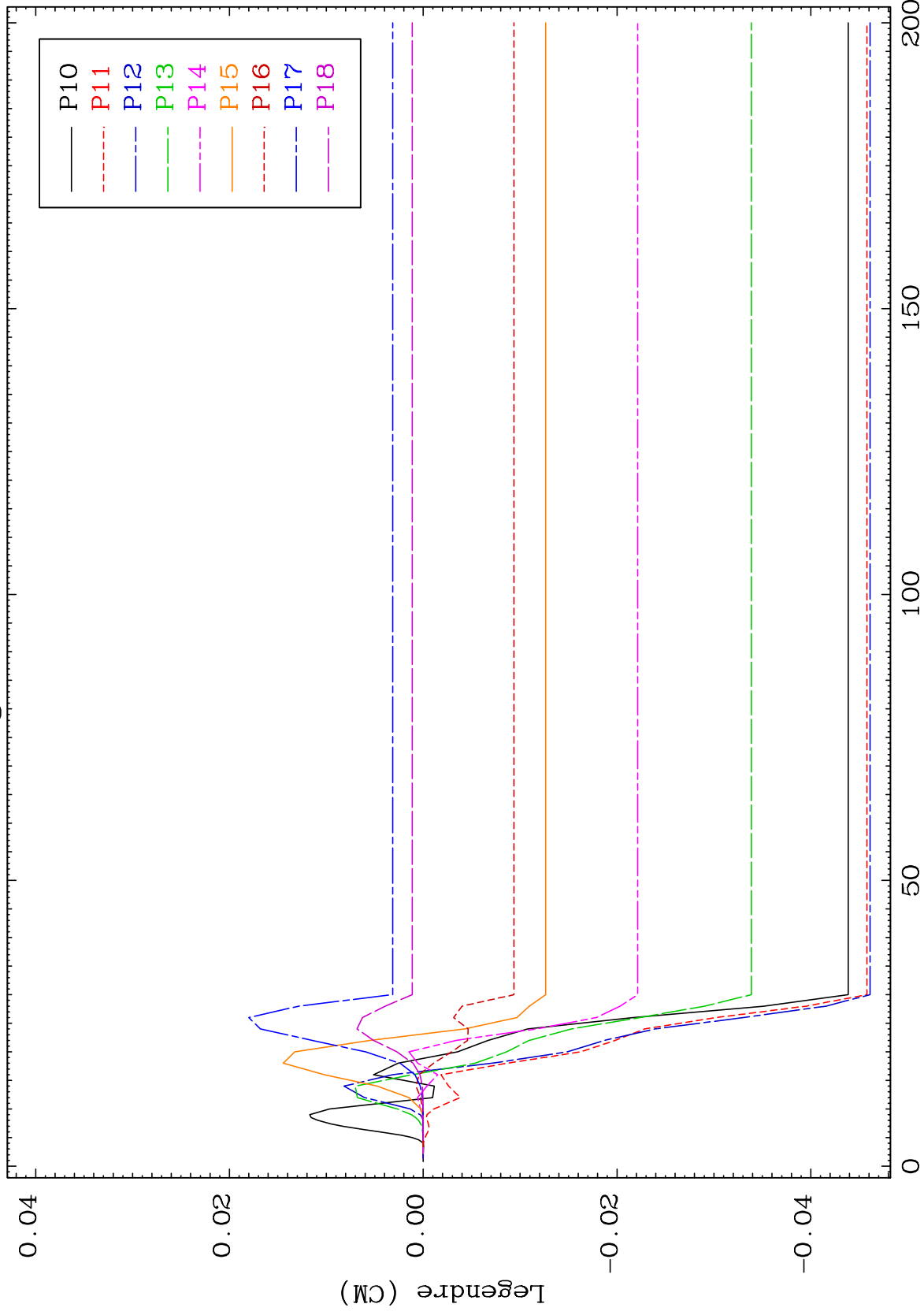
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

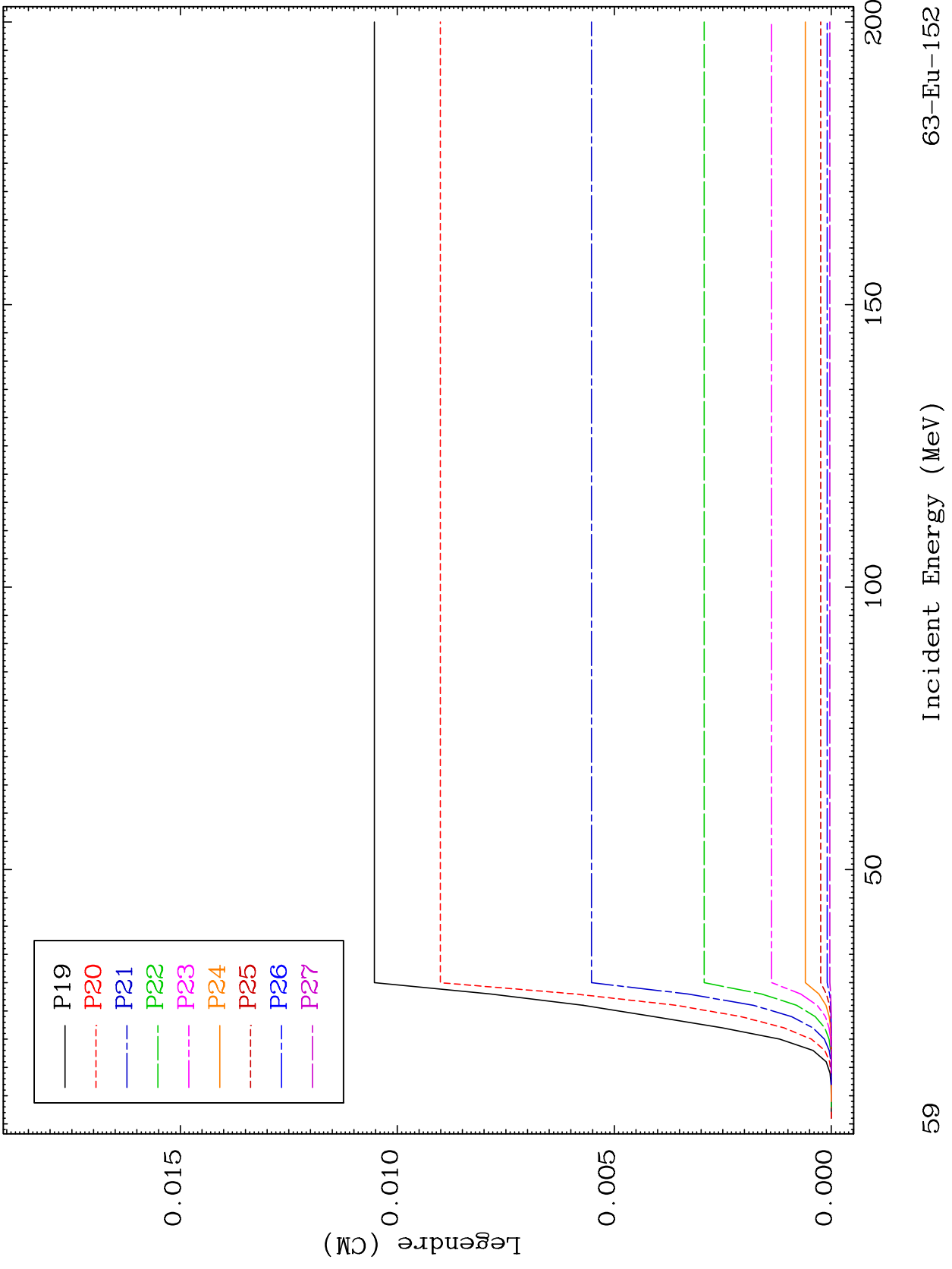
63-Eu-152



58

Incident Energy (MeV)

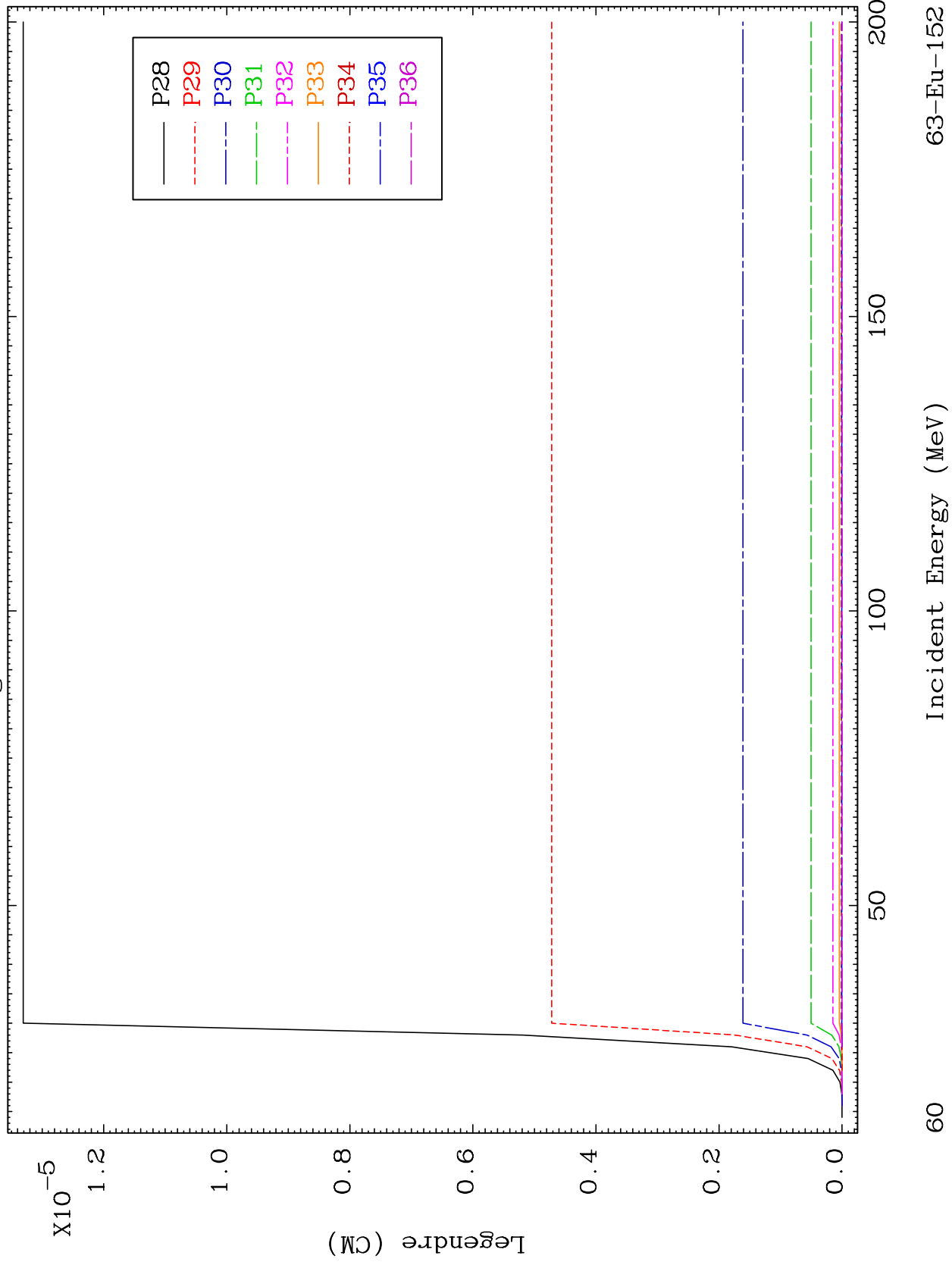
63-Eu-152



MAT 6328

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

63-Eu-152



63-Eu-152

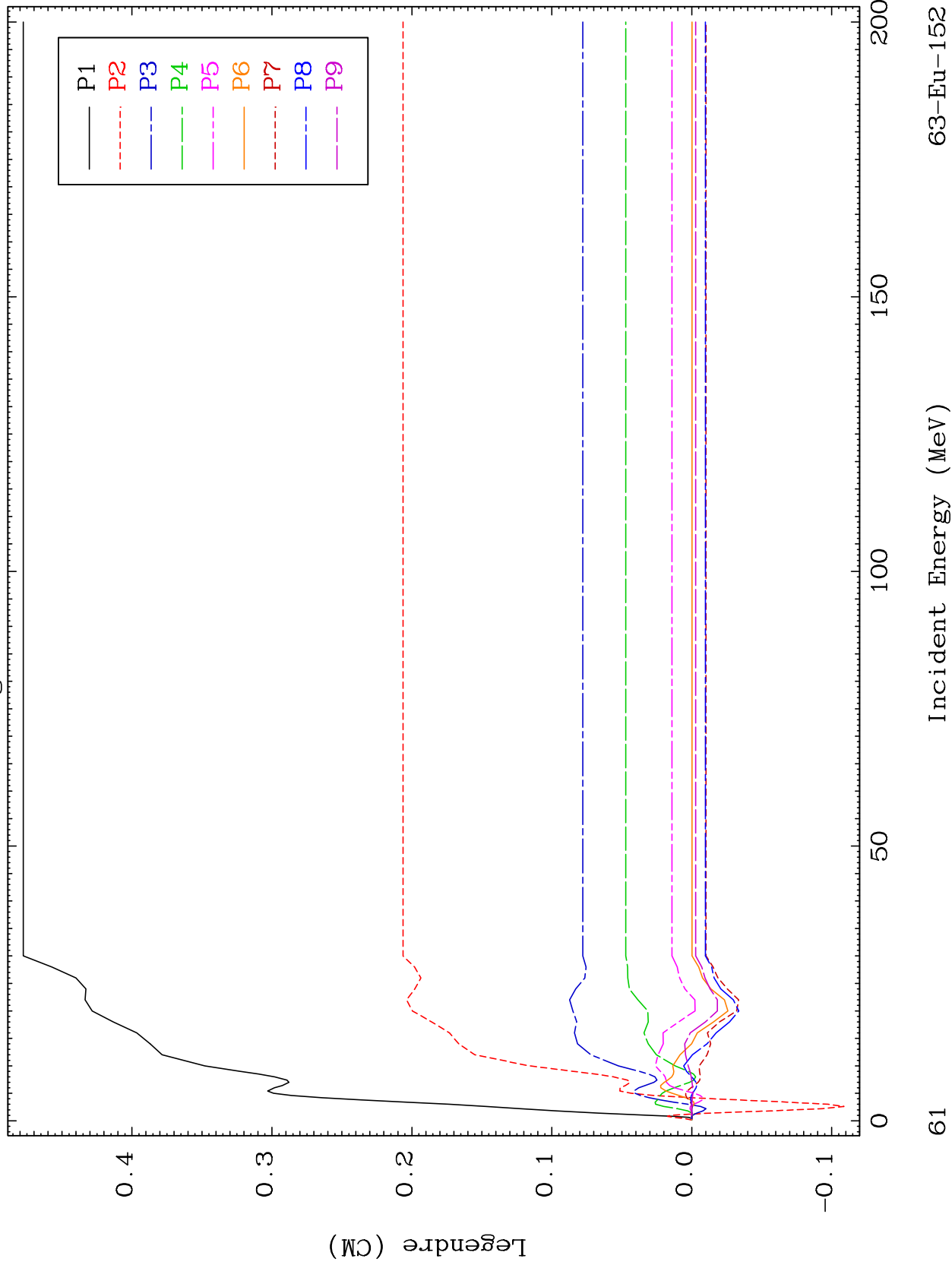
Incident Energy (MeV)

60

MAT 6328

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

63-Eu-152



63-Eu-152

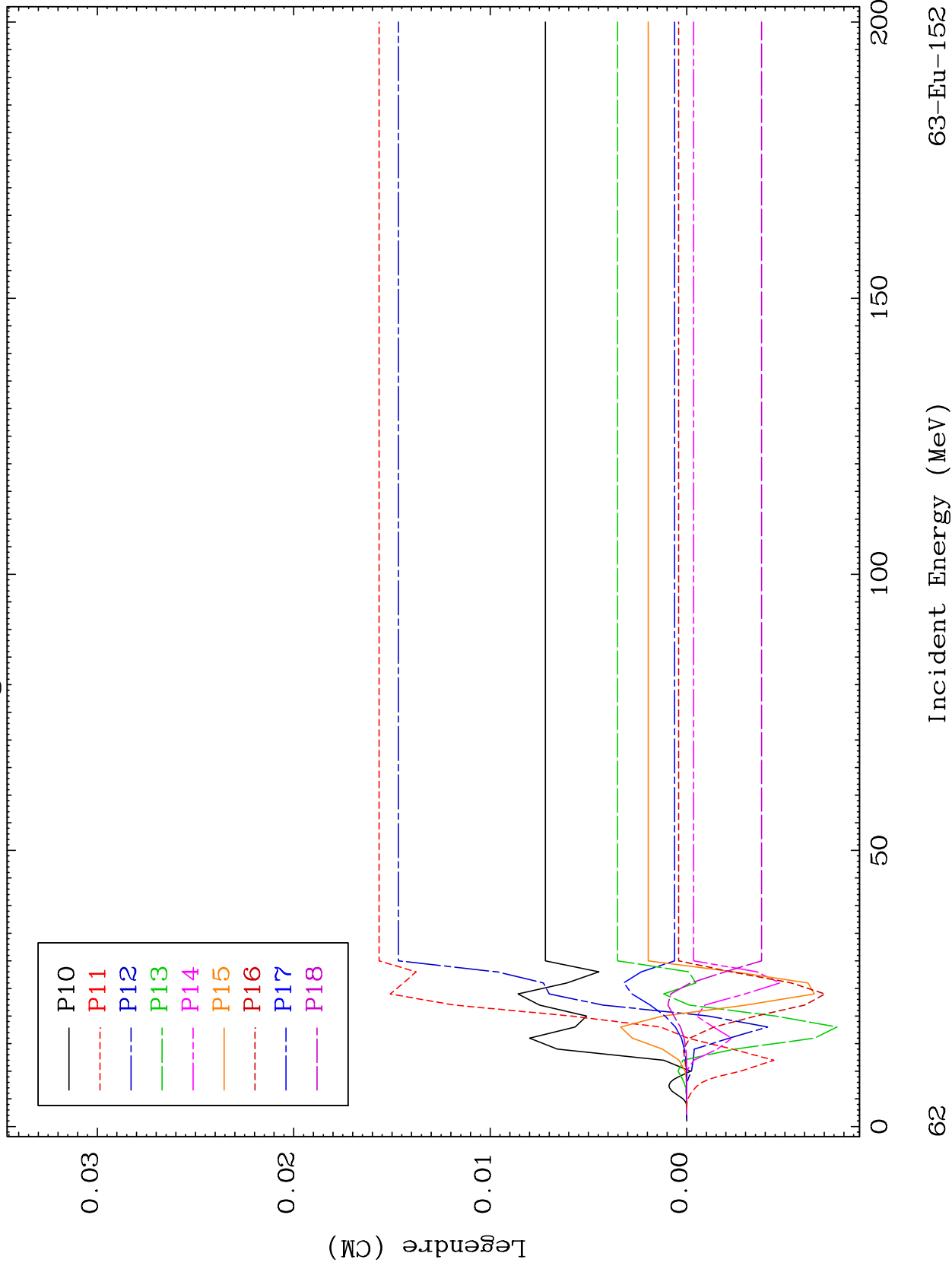
Incident Energy (MeV)

61

MAT 6328

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

63-Eu-152



63-Eu-152

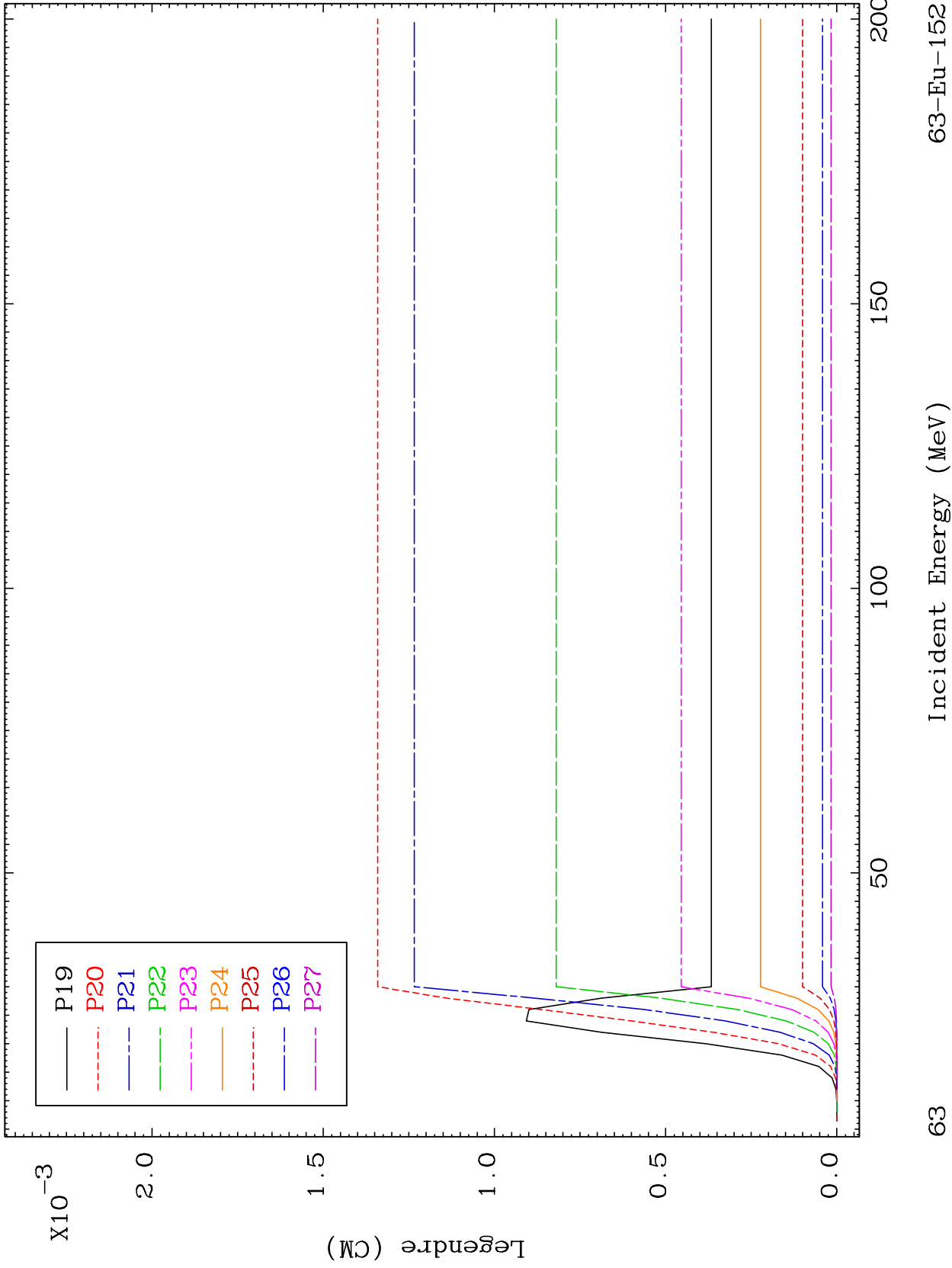
Incident Energy (MeV)

62

MAT 6328

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

63-Eu-152

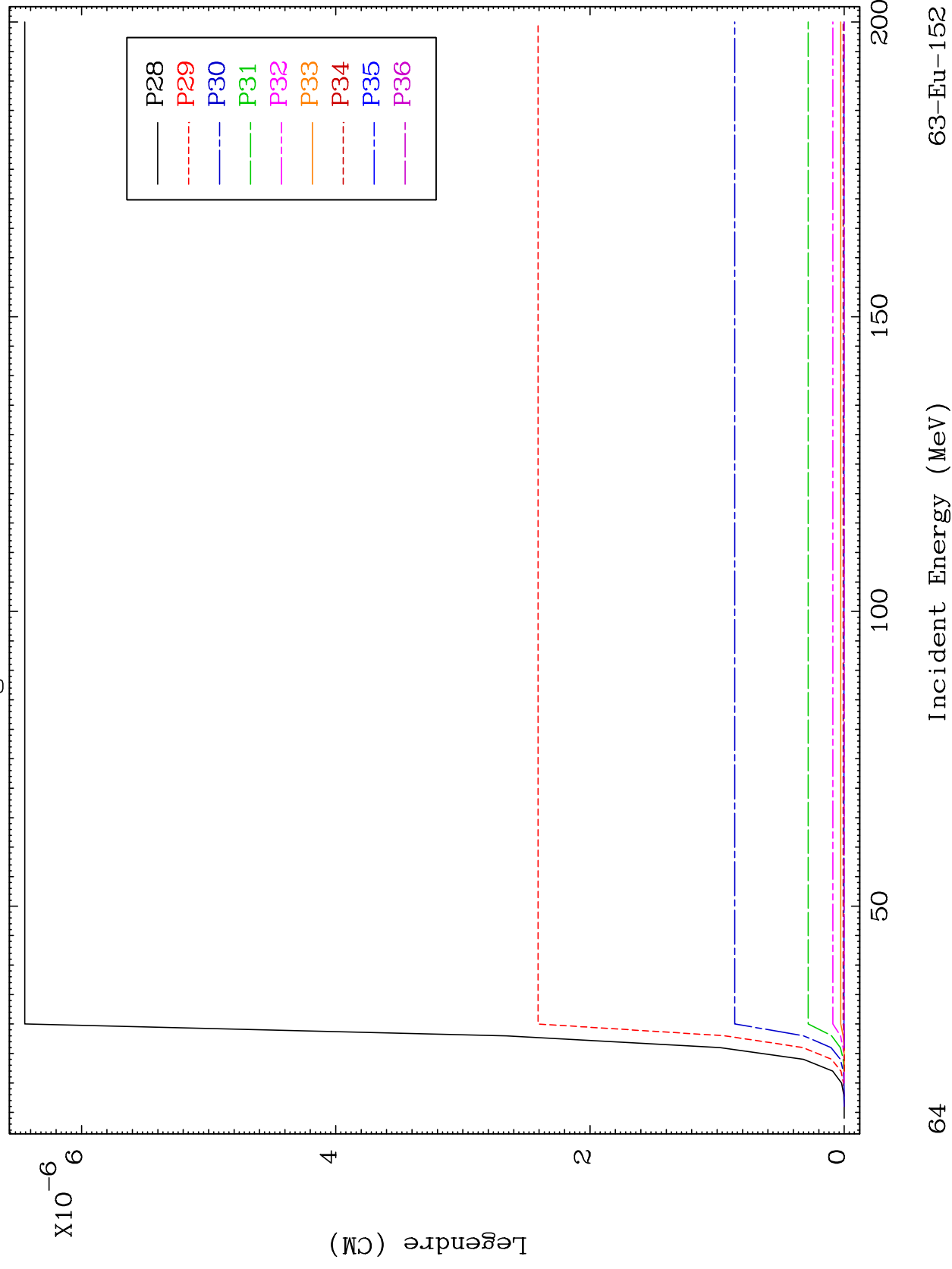


63

MAT 6328

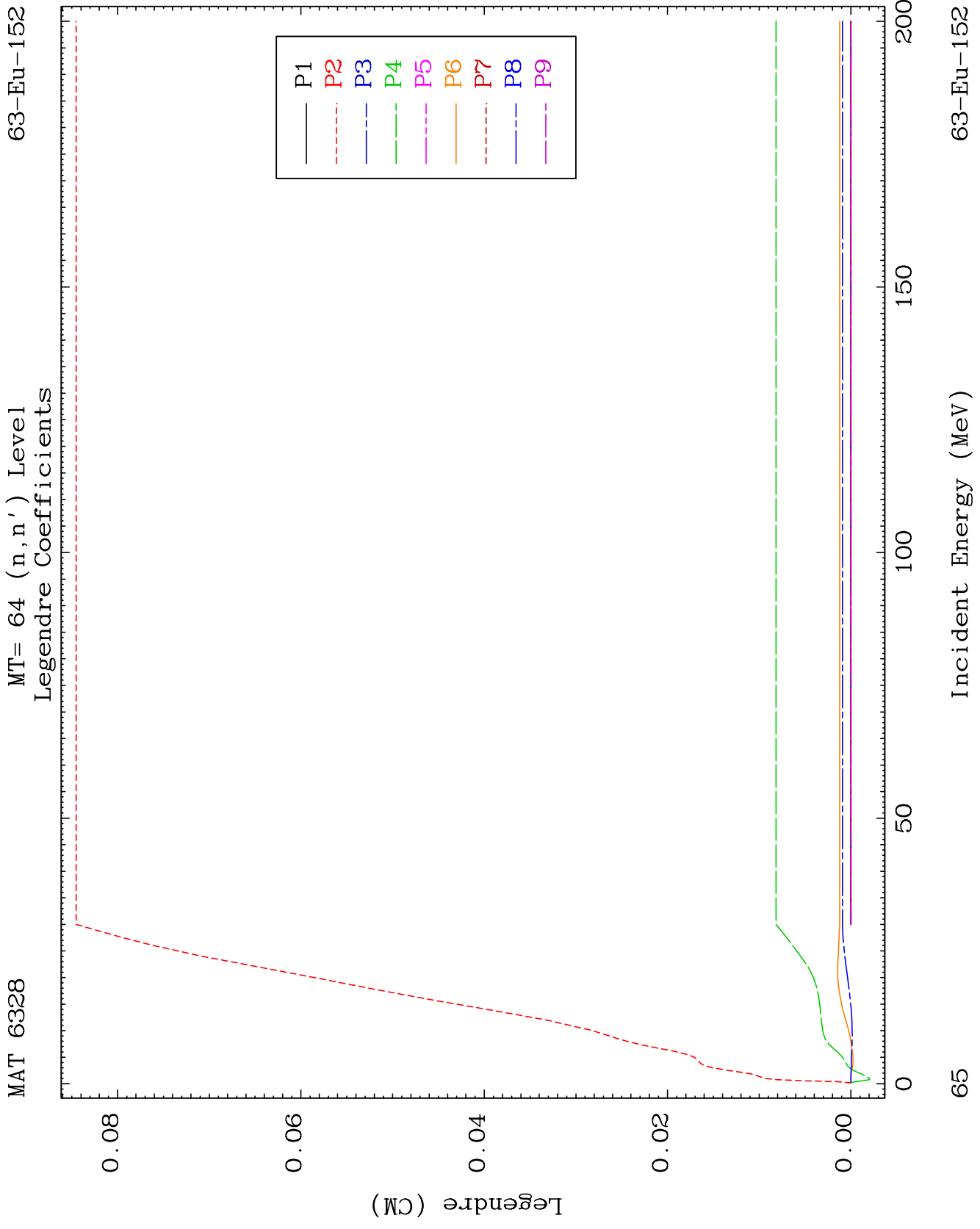
MT= 63 (n,n') Level
Legendre Coefficients

63-Eu-152



64

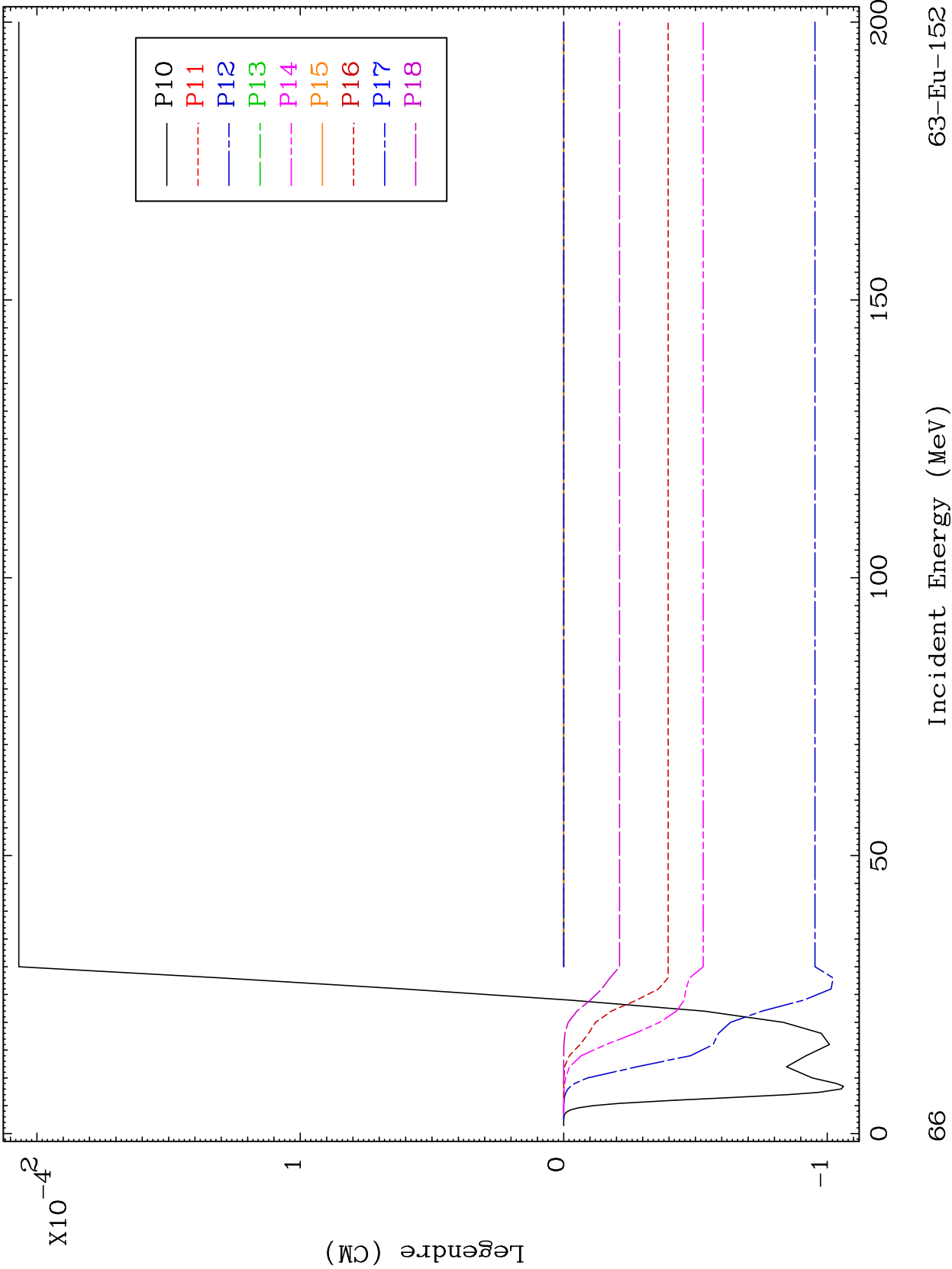
63-Eu-152



MAT 6328

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

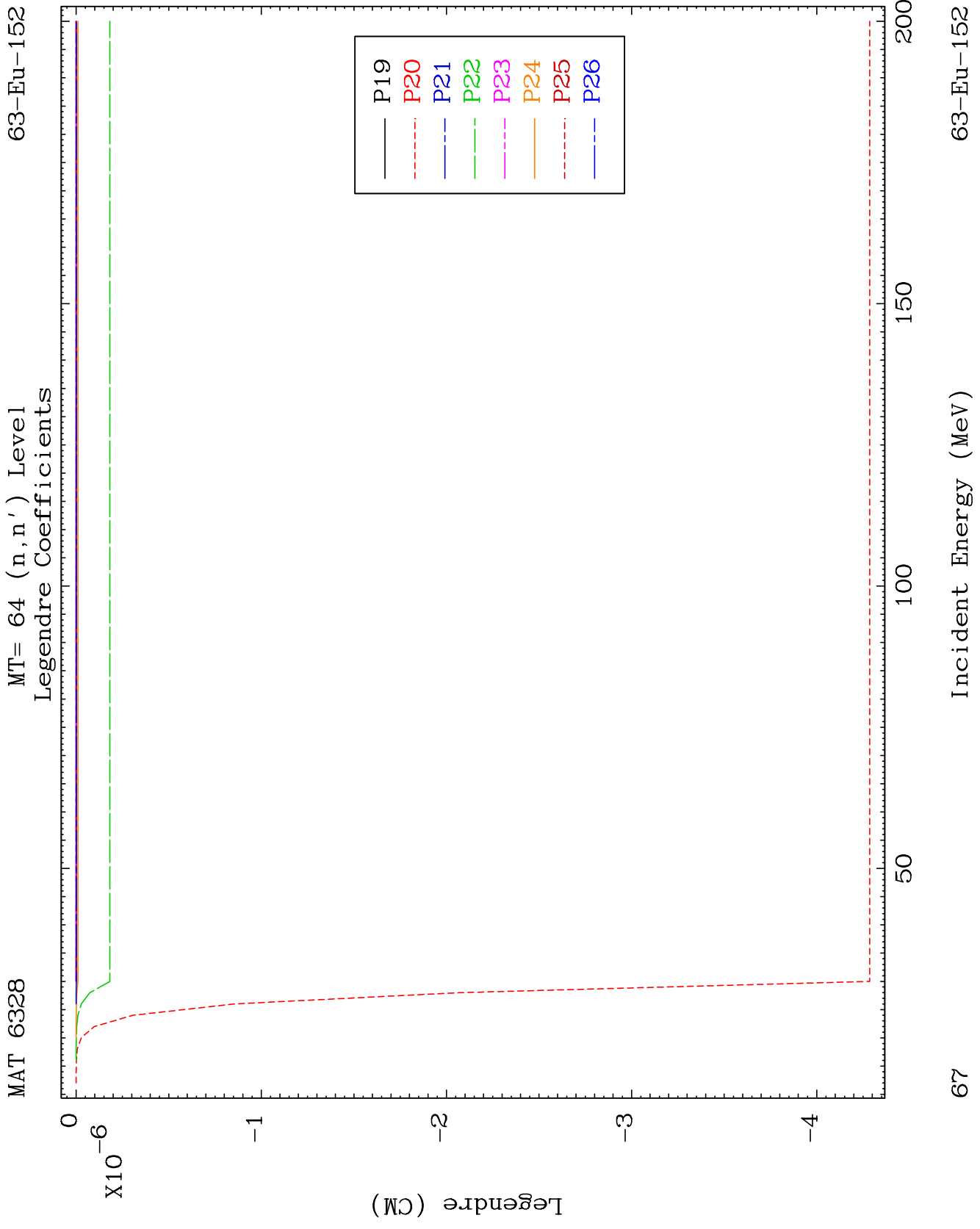
63-Eu-152



66

Incident Energy (MeV)

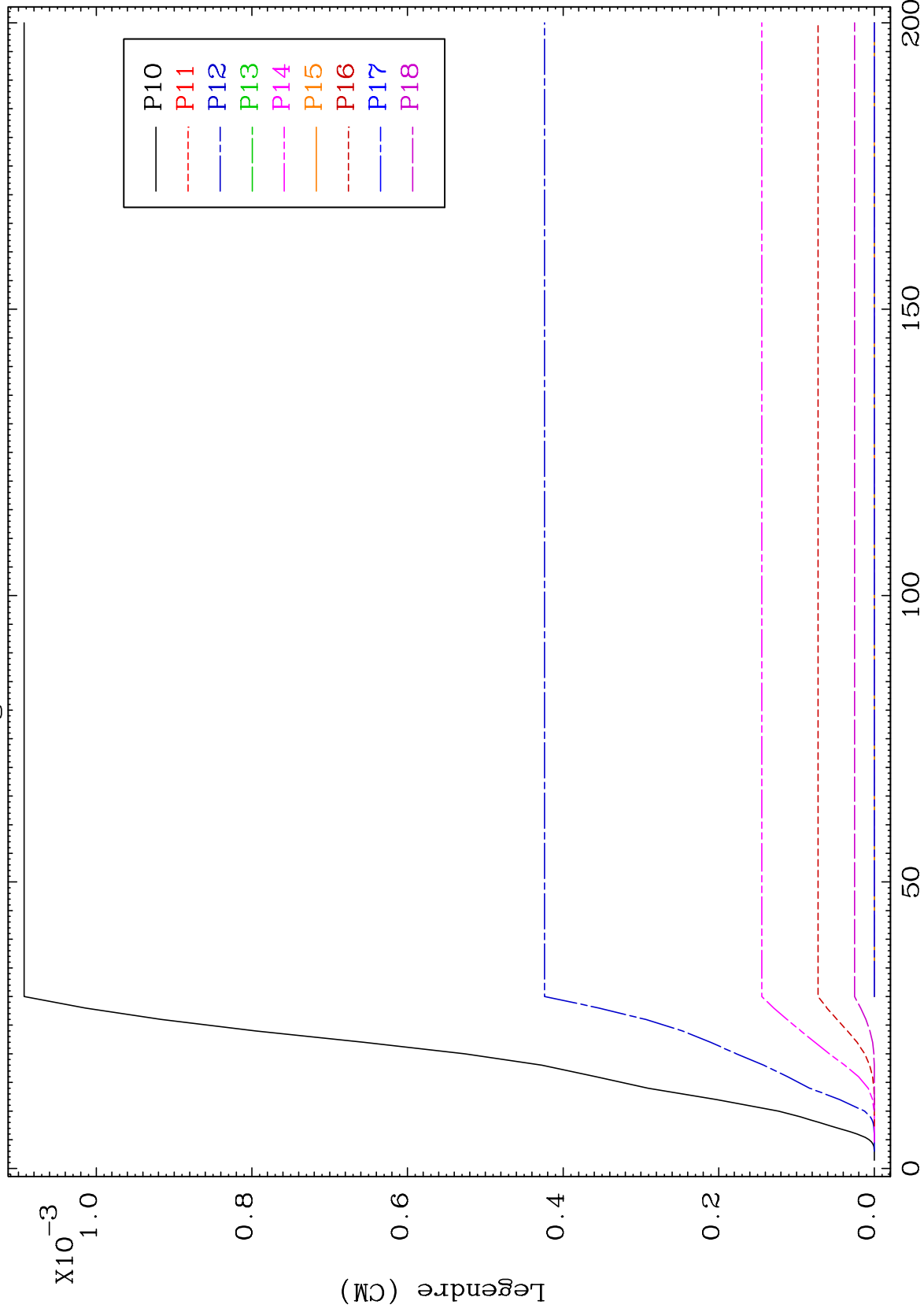
63-Eu-152



MAT 6328

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

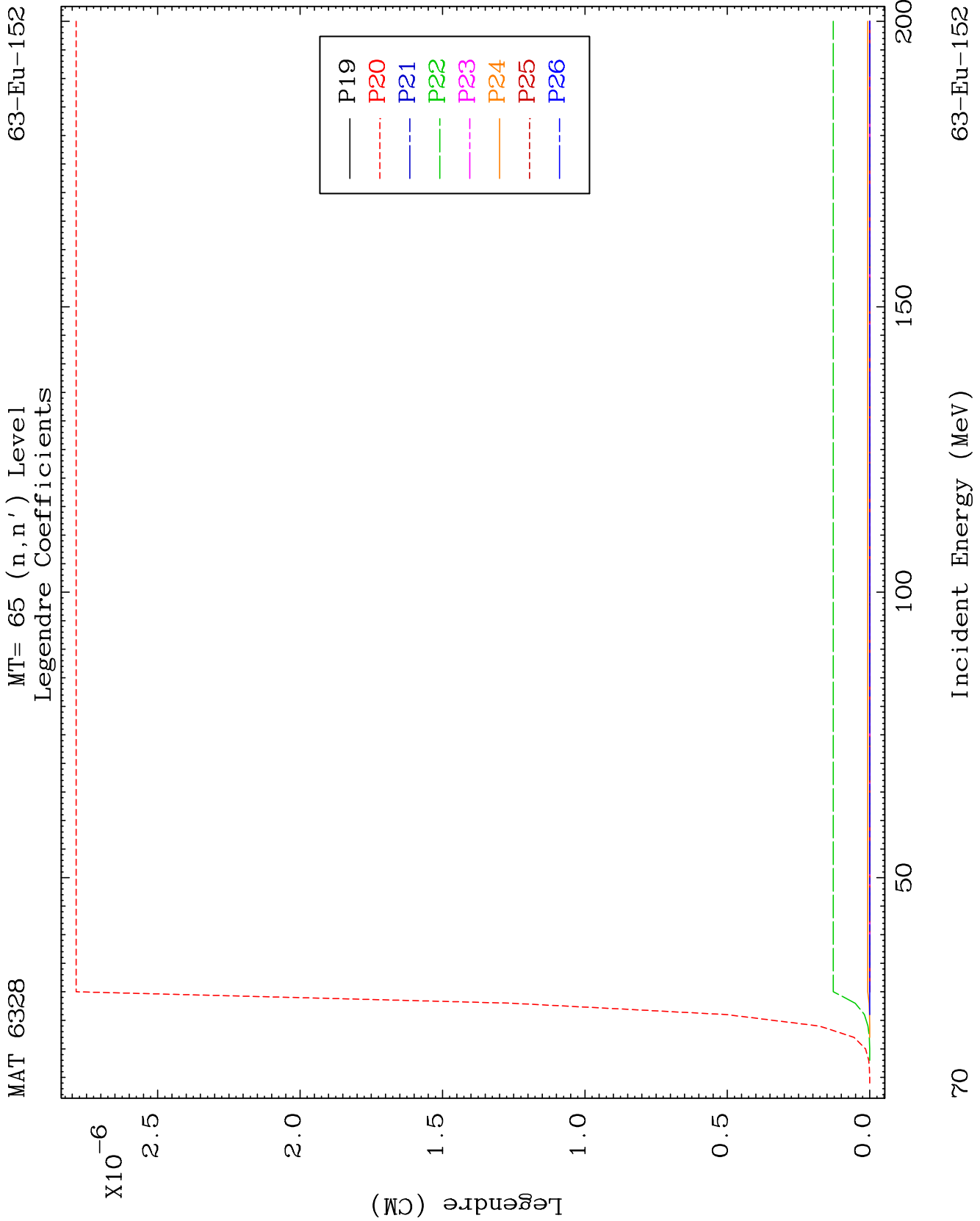
63-Eu-152



69

Incident Energy (MeV)

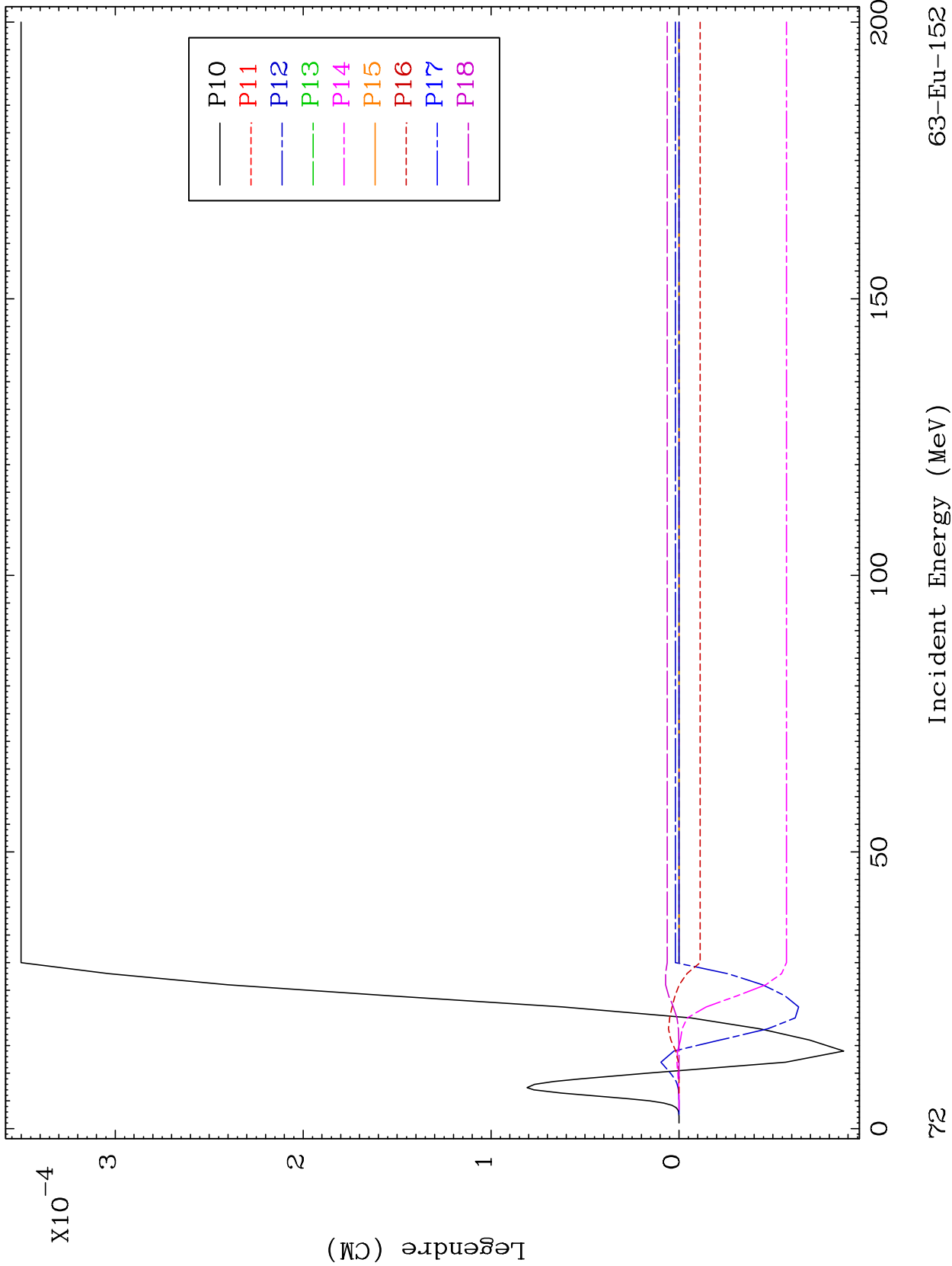
63-Eu-152



MAT 6328

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

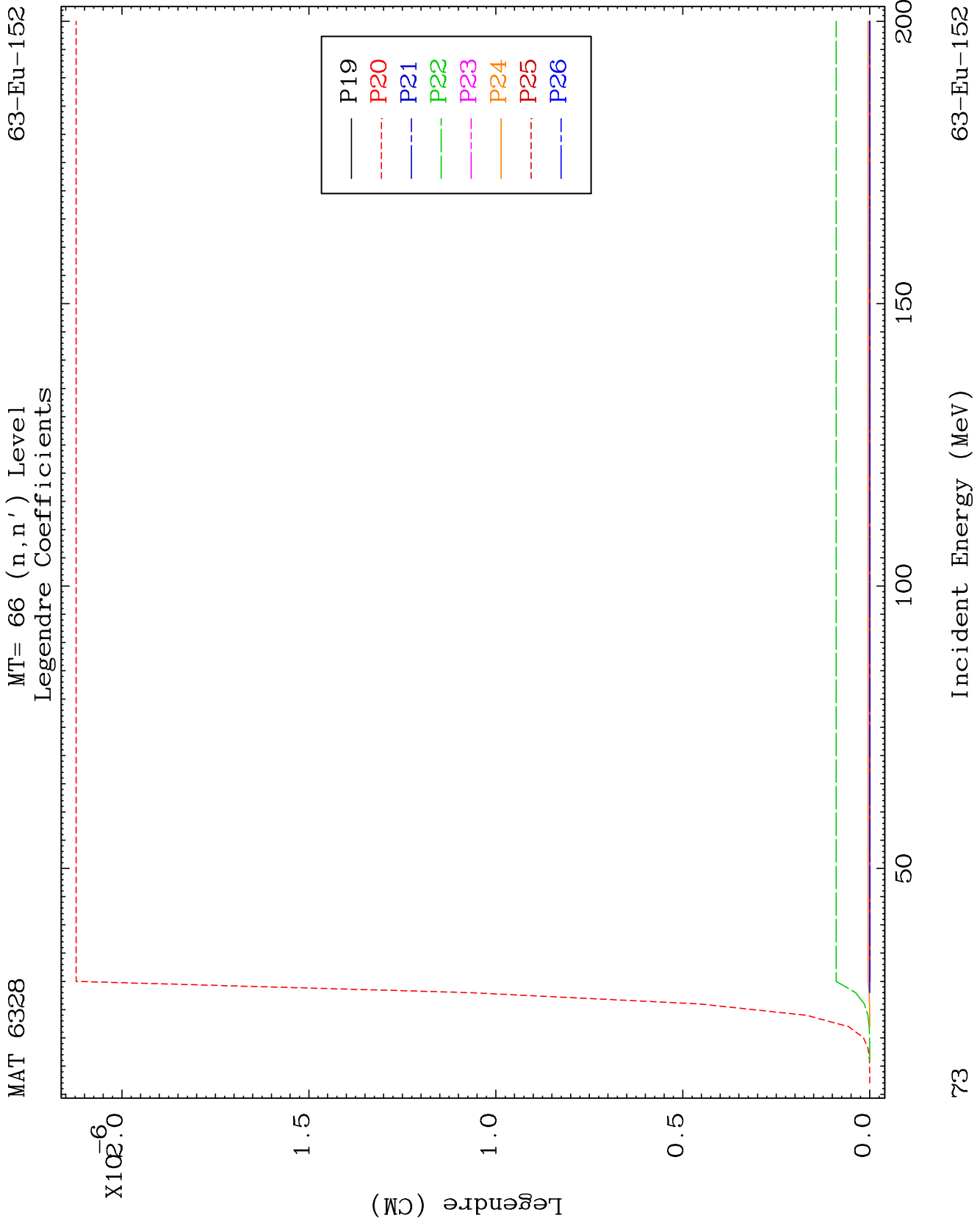
63-Eu-152



63-Eu-152

Incident Energy (MeV)

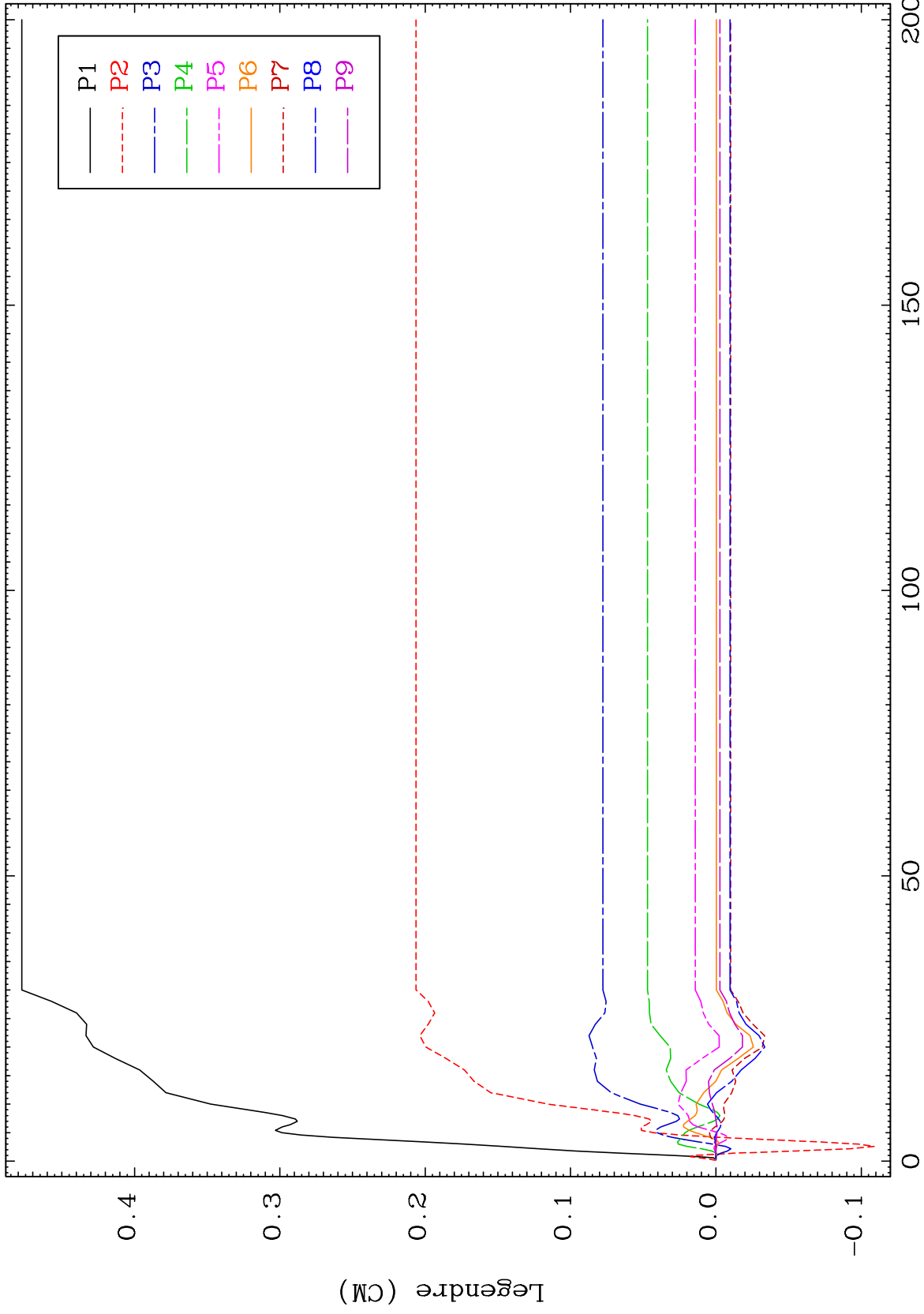
72



MAT 6328

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

63-Eu-152



74

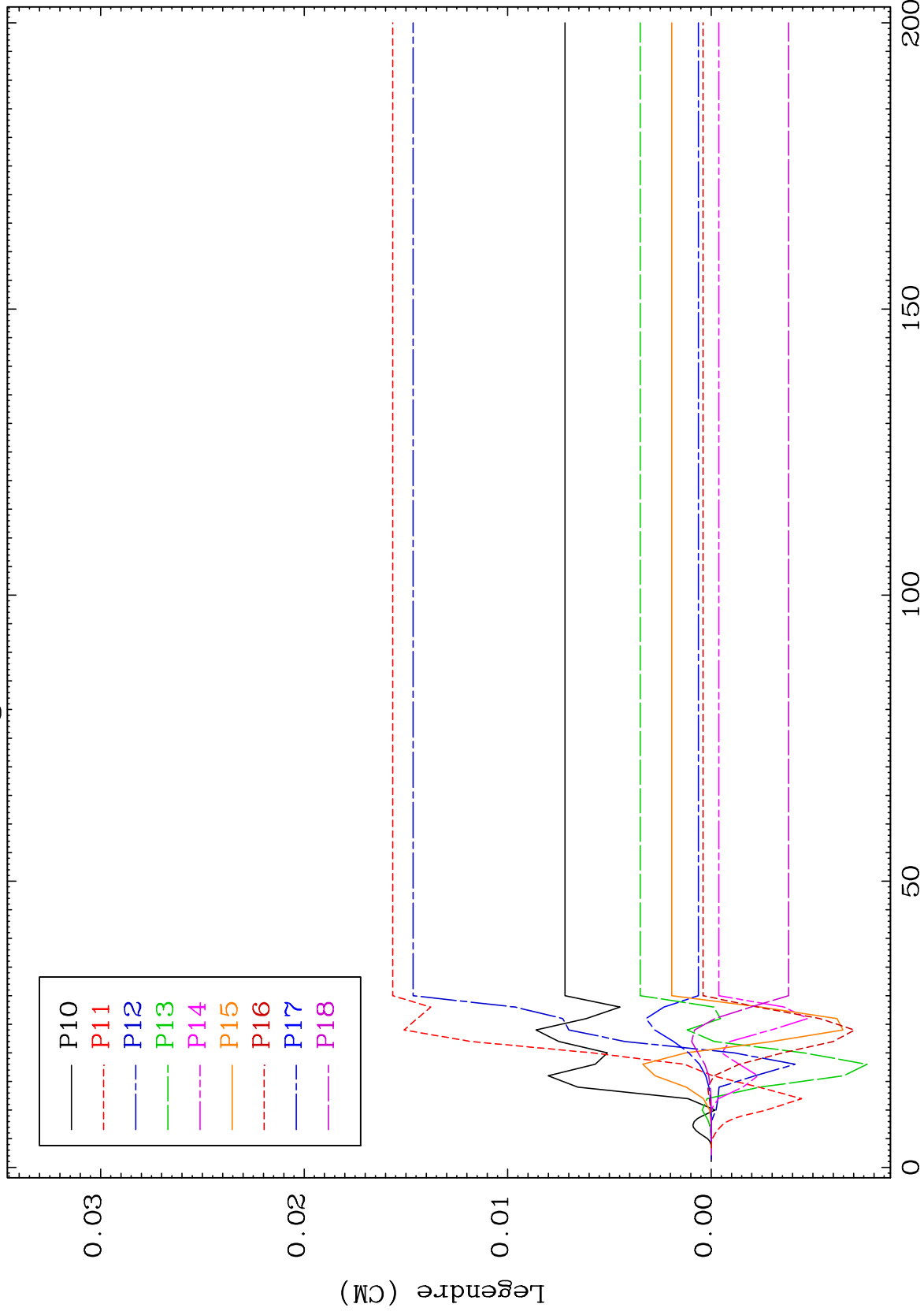
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

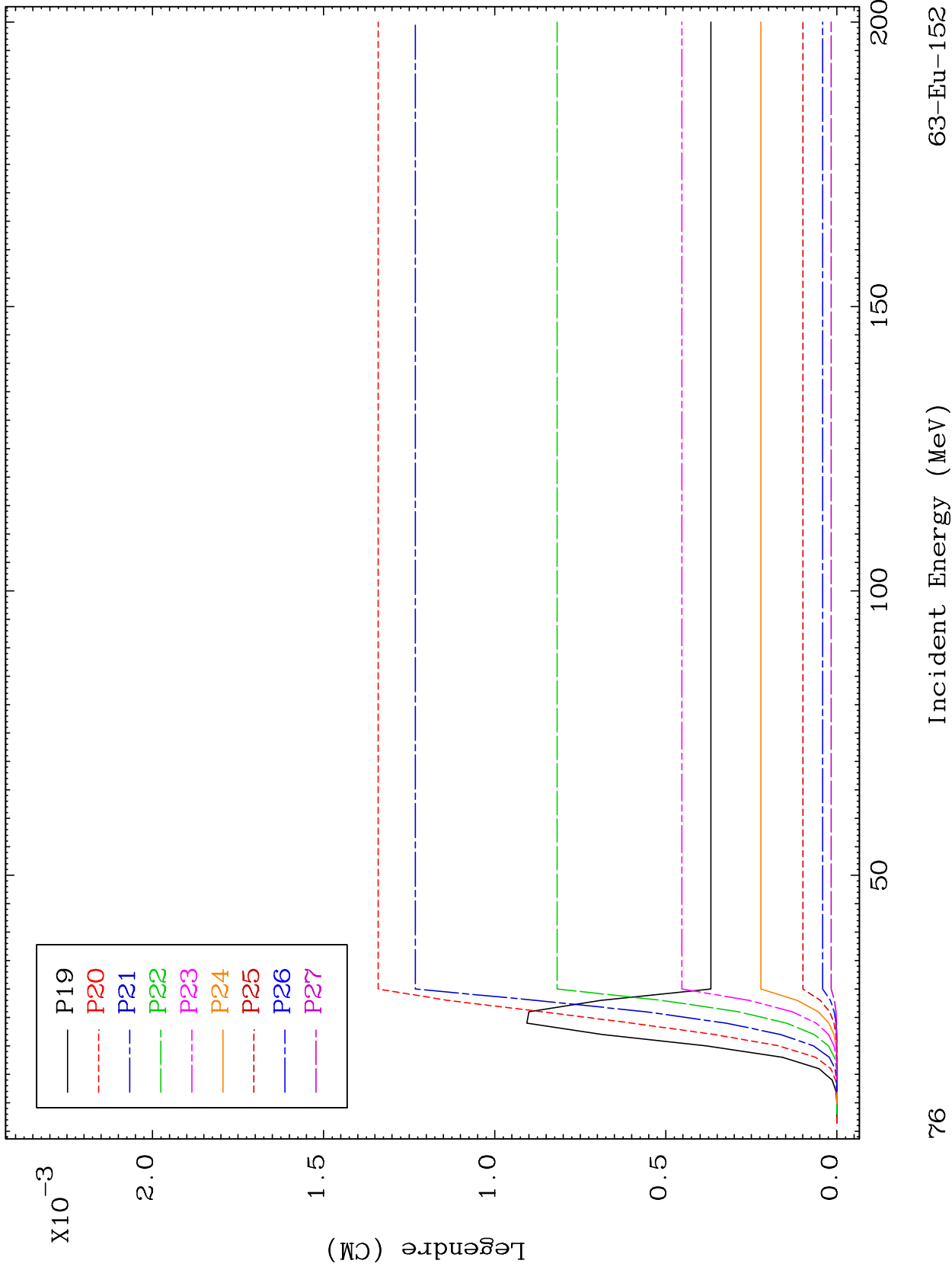
63-Eu-152



63-Eu-152

Incident Energy (MeV)

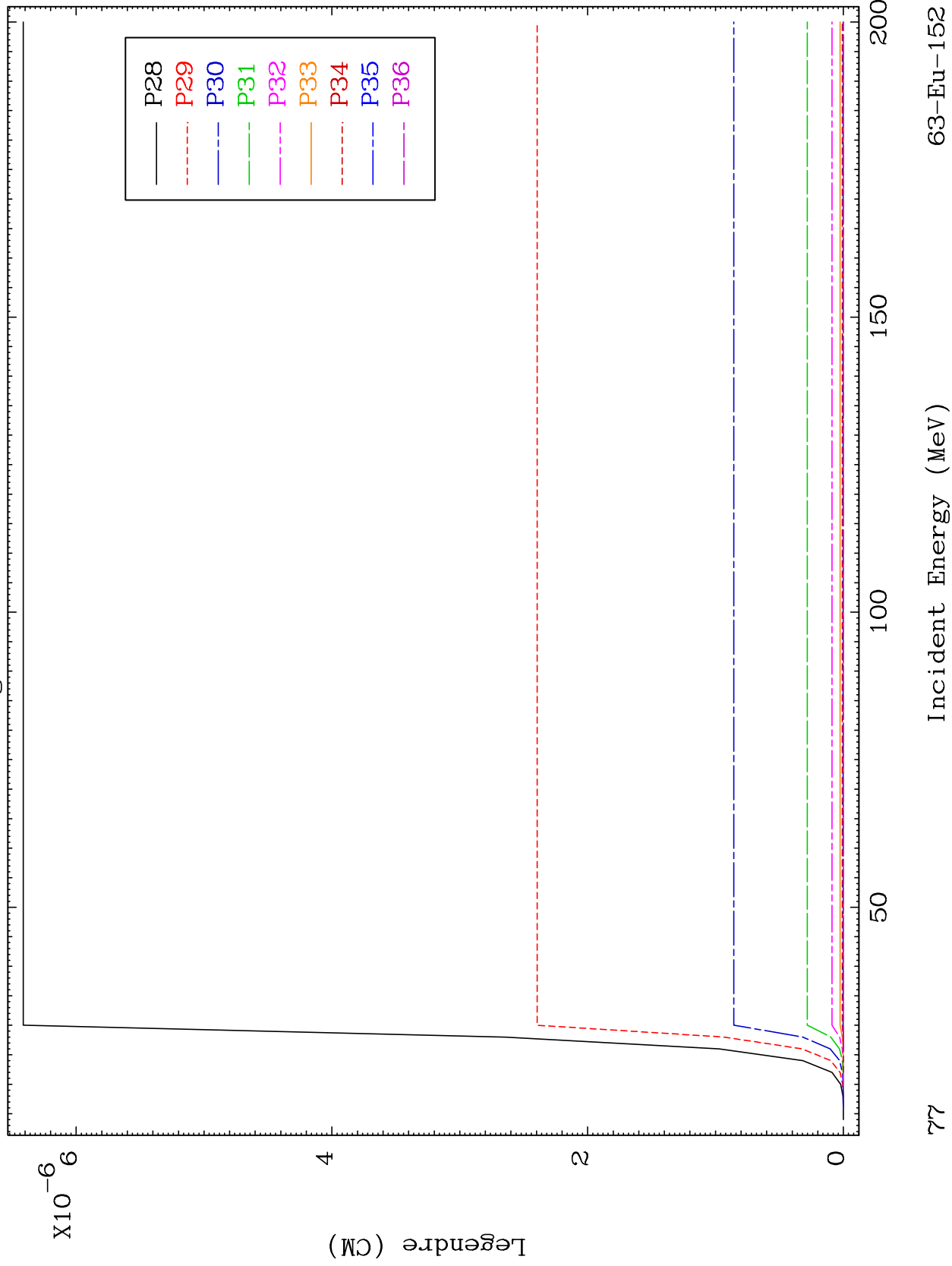
75



MAT 6328

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

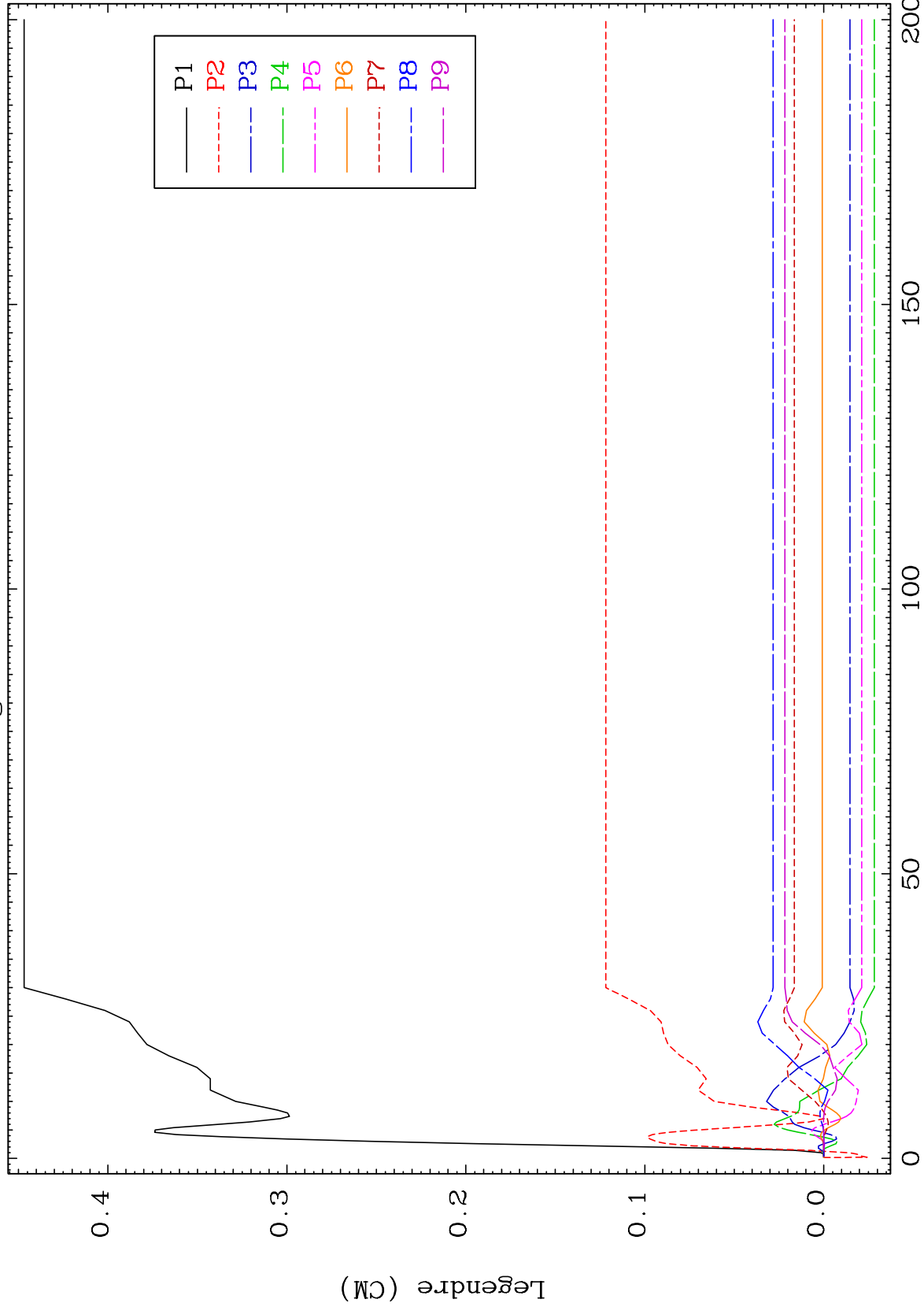
63-Eu-152



MAT 6328

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

63-Eu-152



63-Eu-152

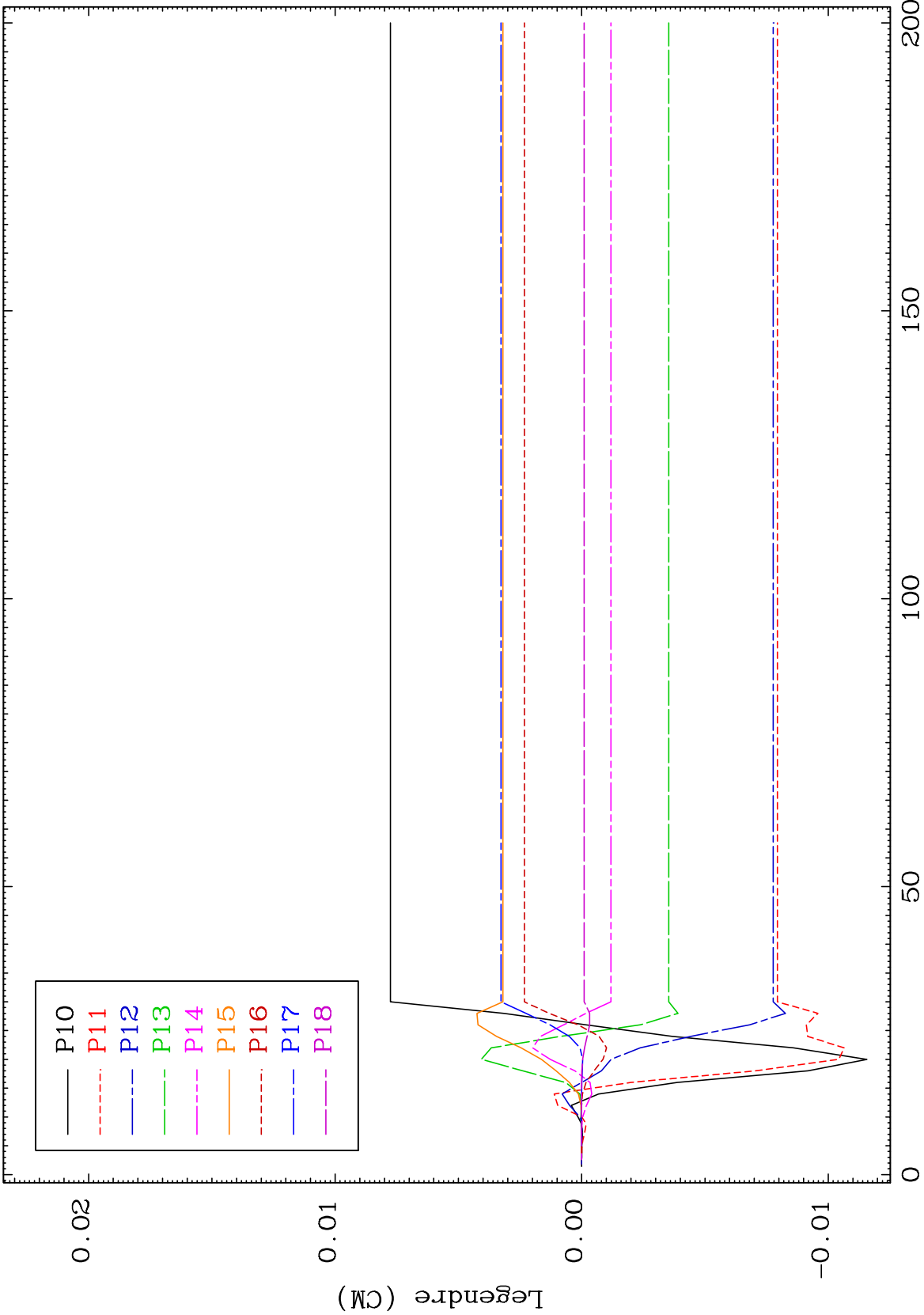
Incident Energy (MeV)

78

MAT 6328

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

63-Eu-152



79

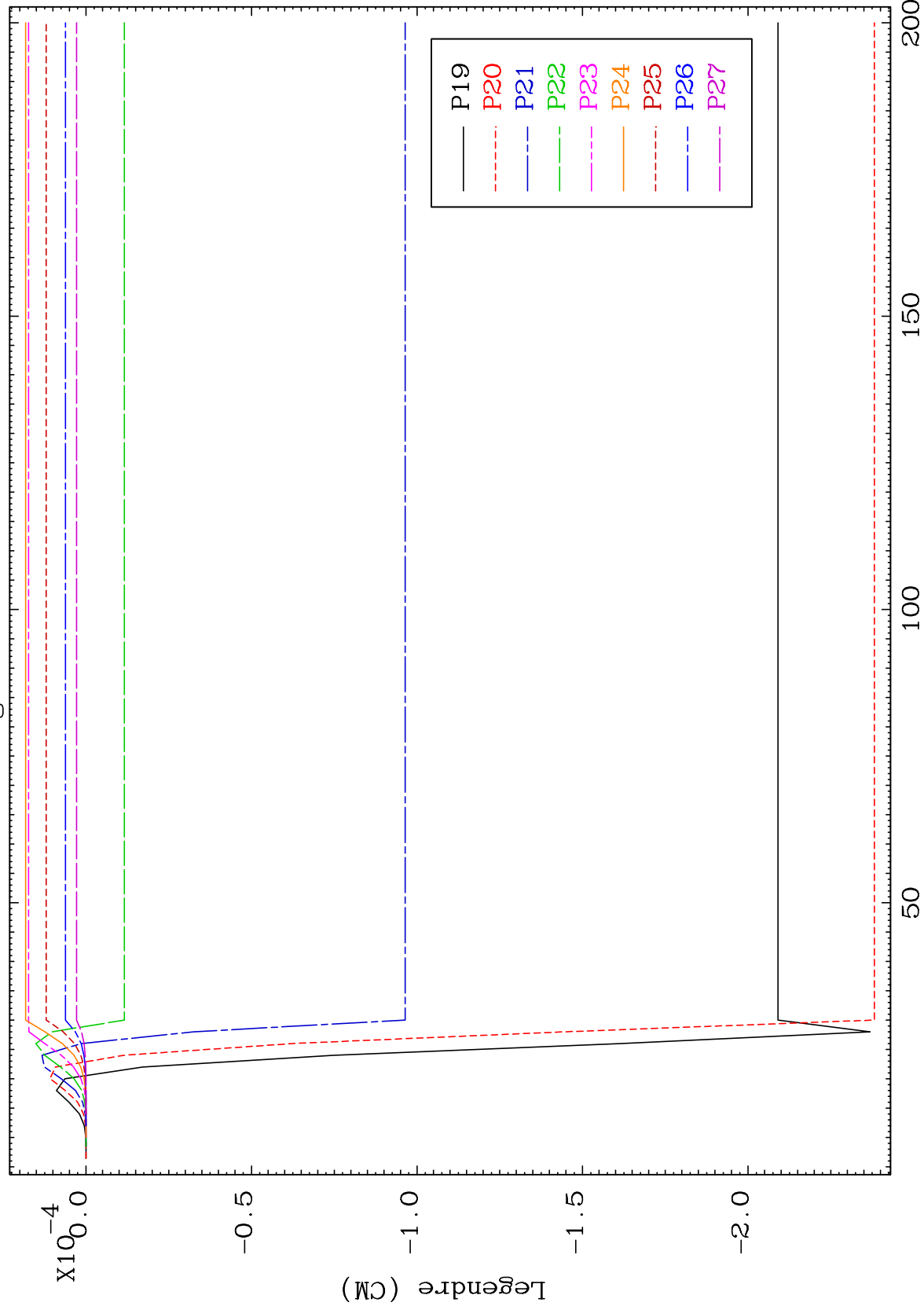
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

63-Eu-152



80

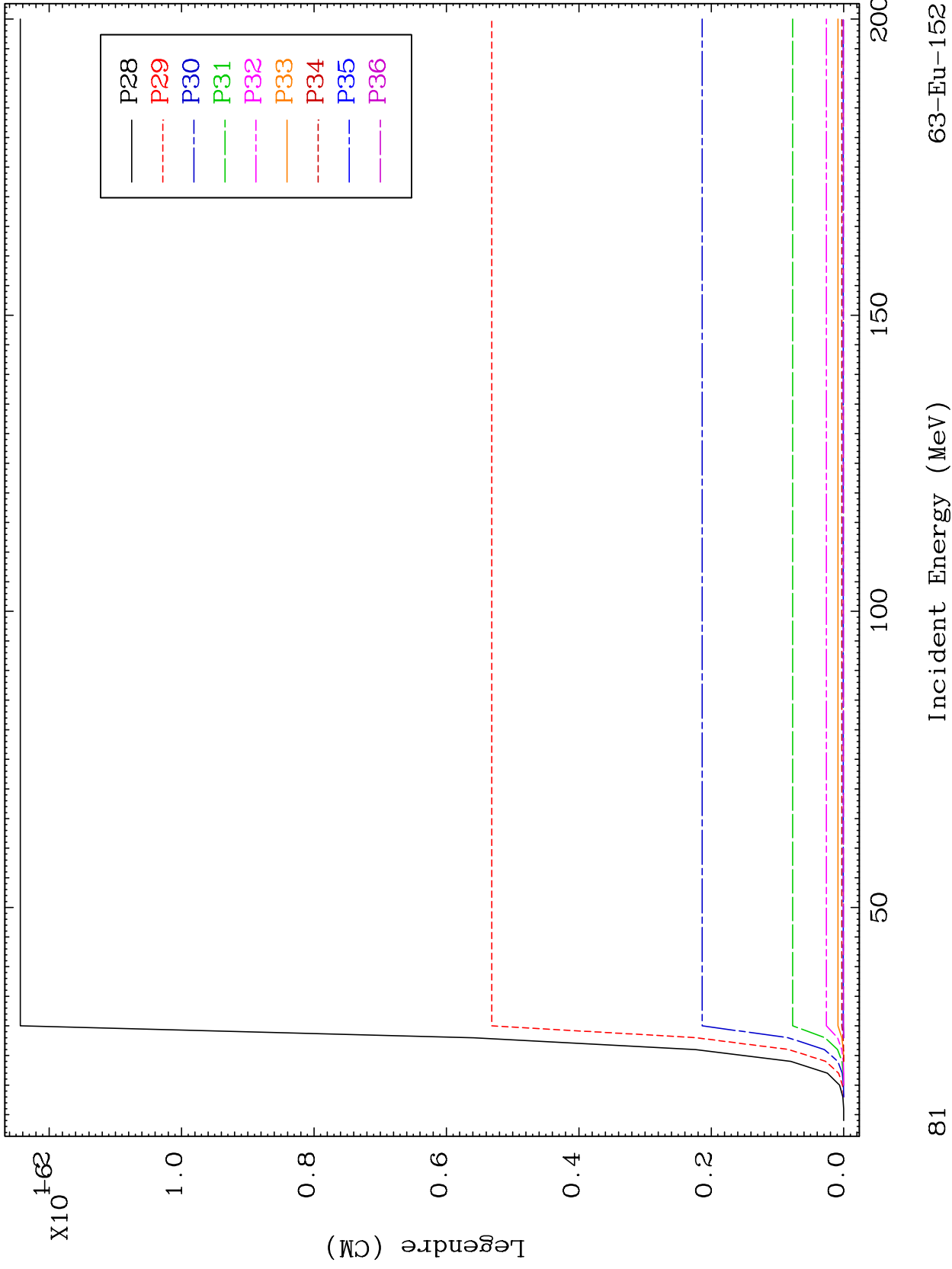
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

63-Eu-152

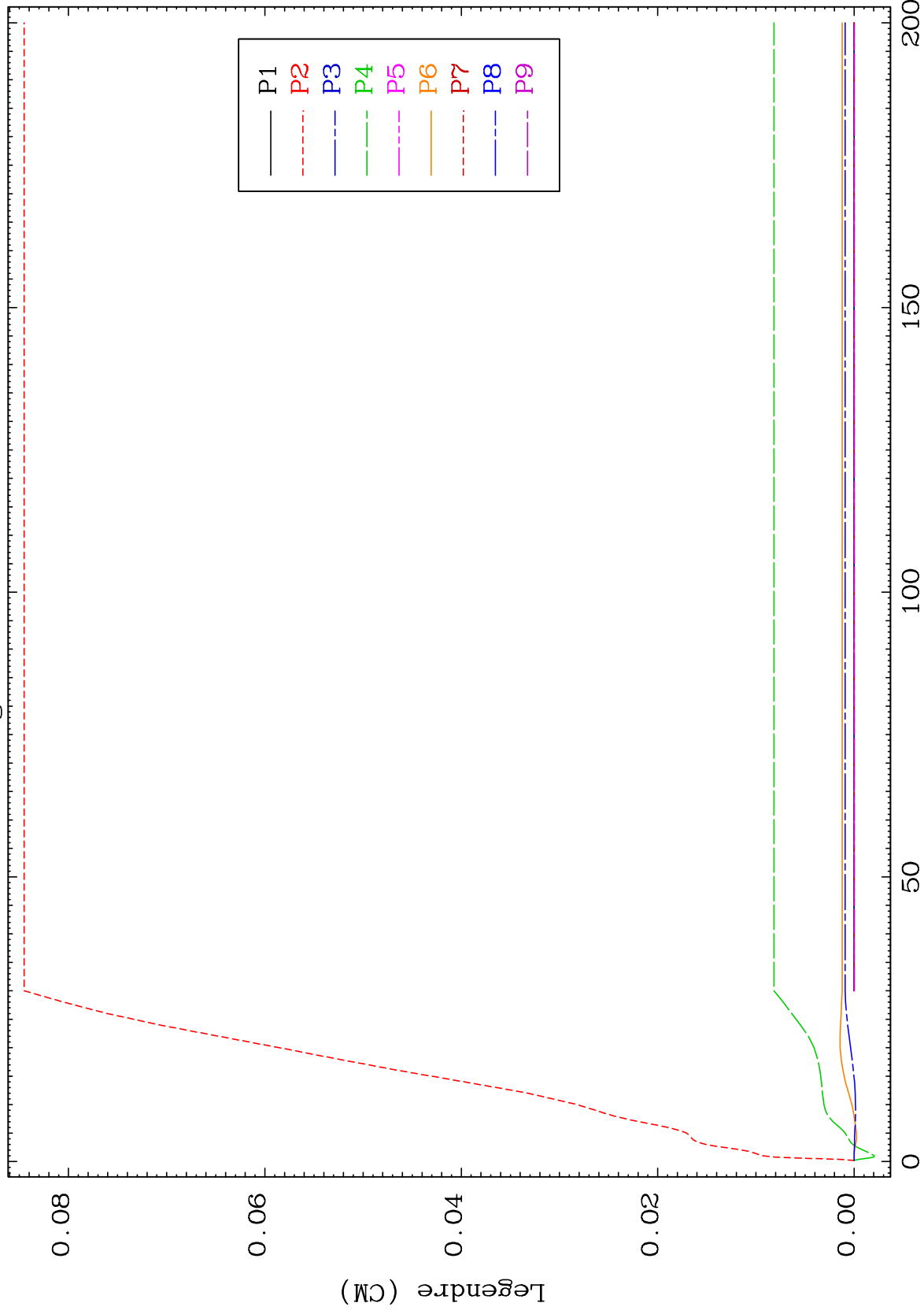


81

MAT 6328

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

63-Eu-152



82

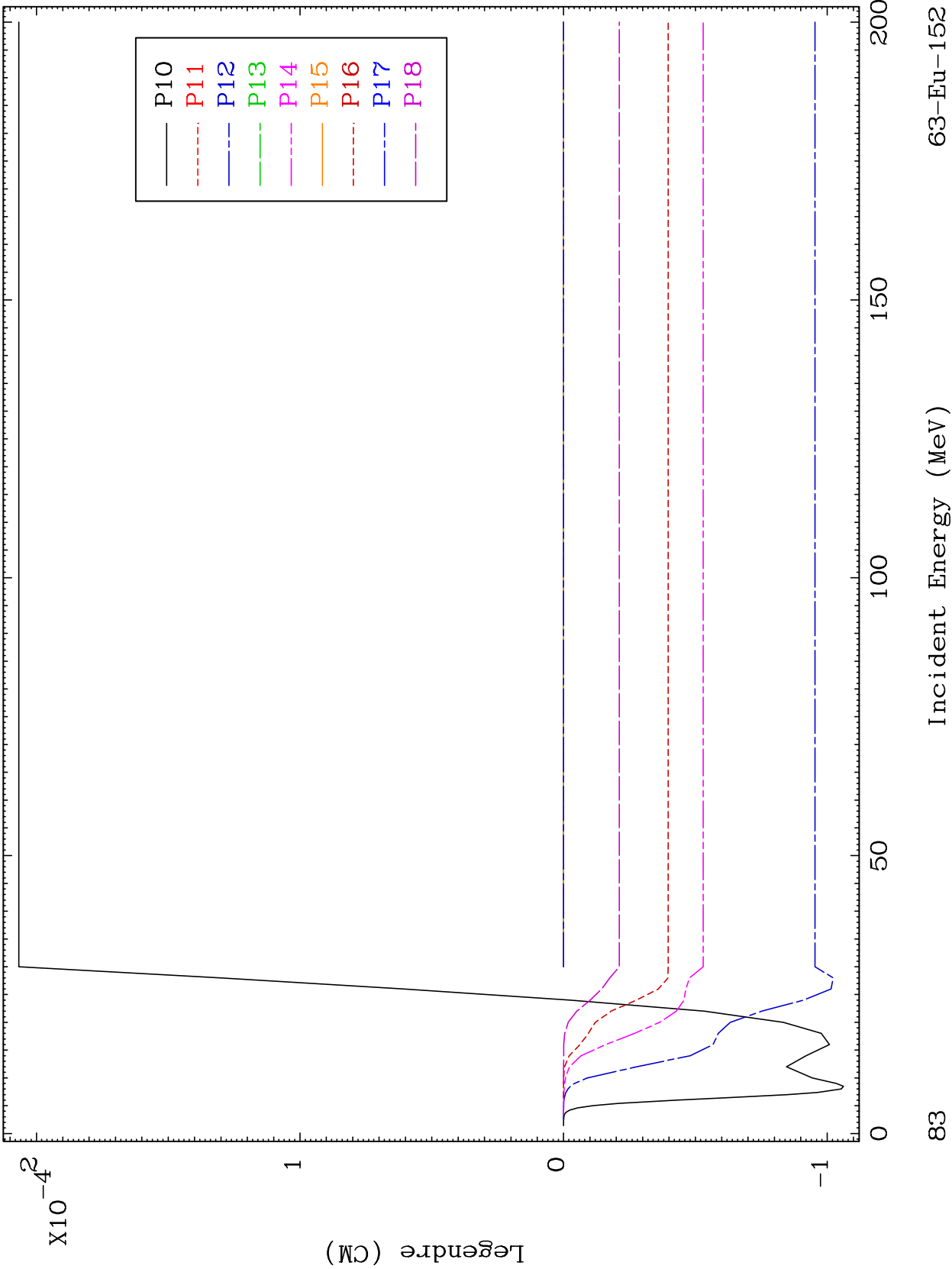
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

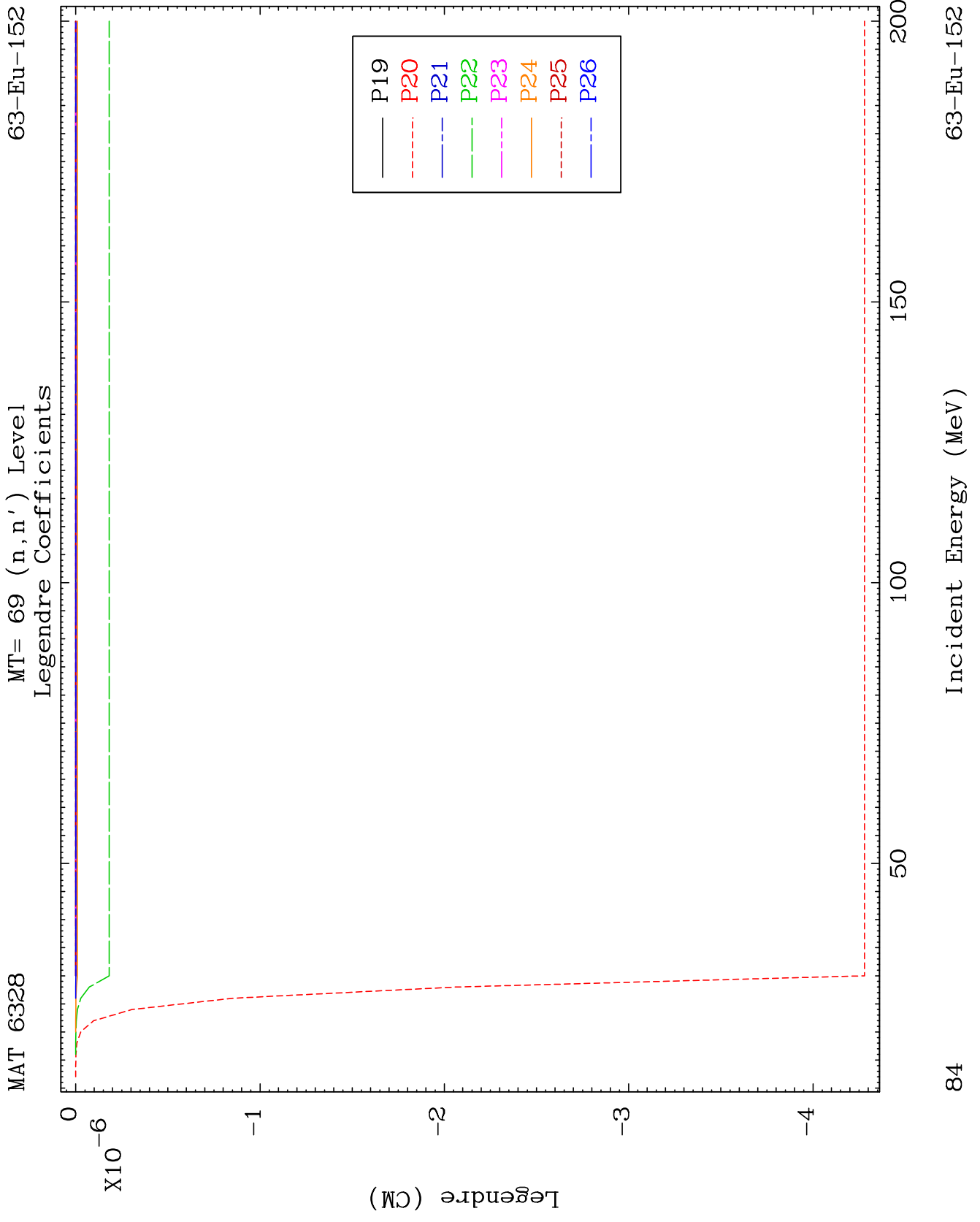
63-Eu-152



83

Incident Energy (MeV)

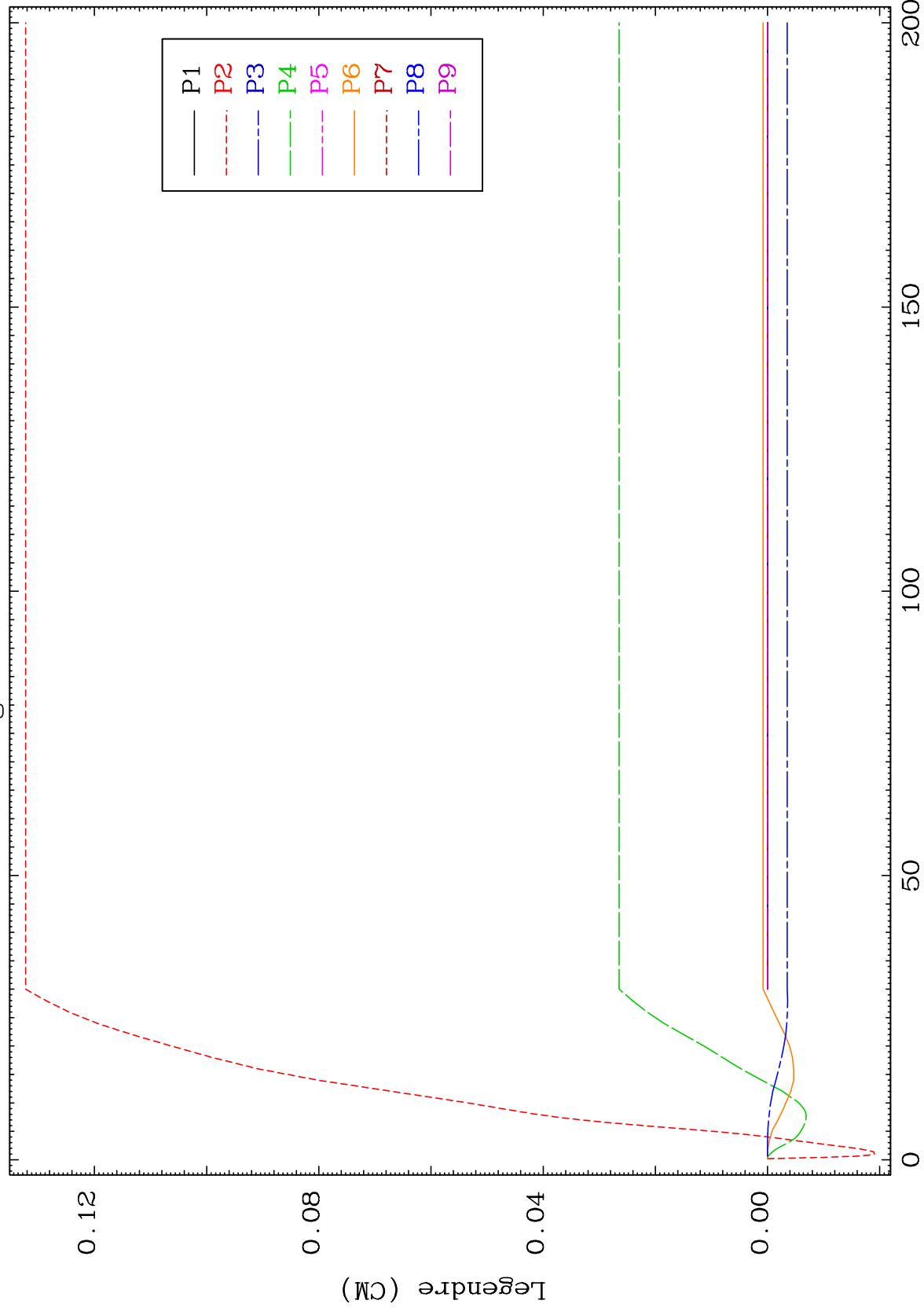
63-Eu-152



MAT 6328

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

63-Eu-152



85

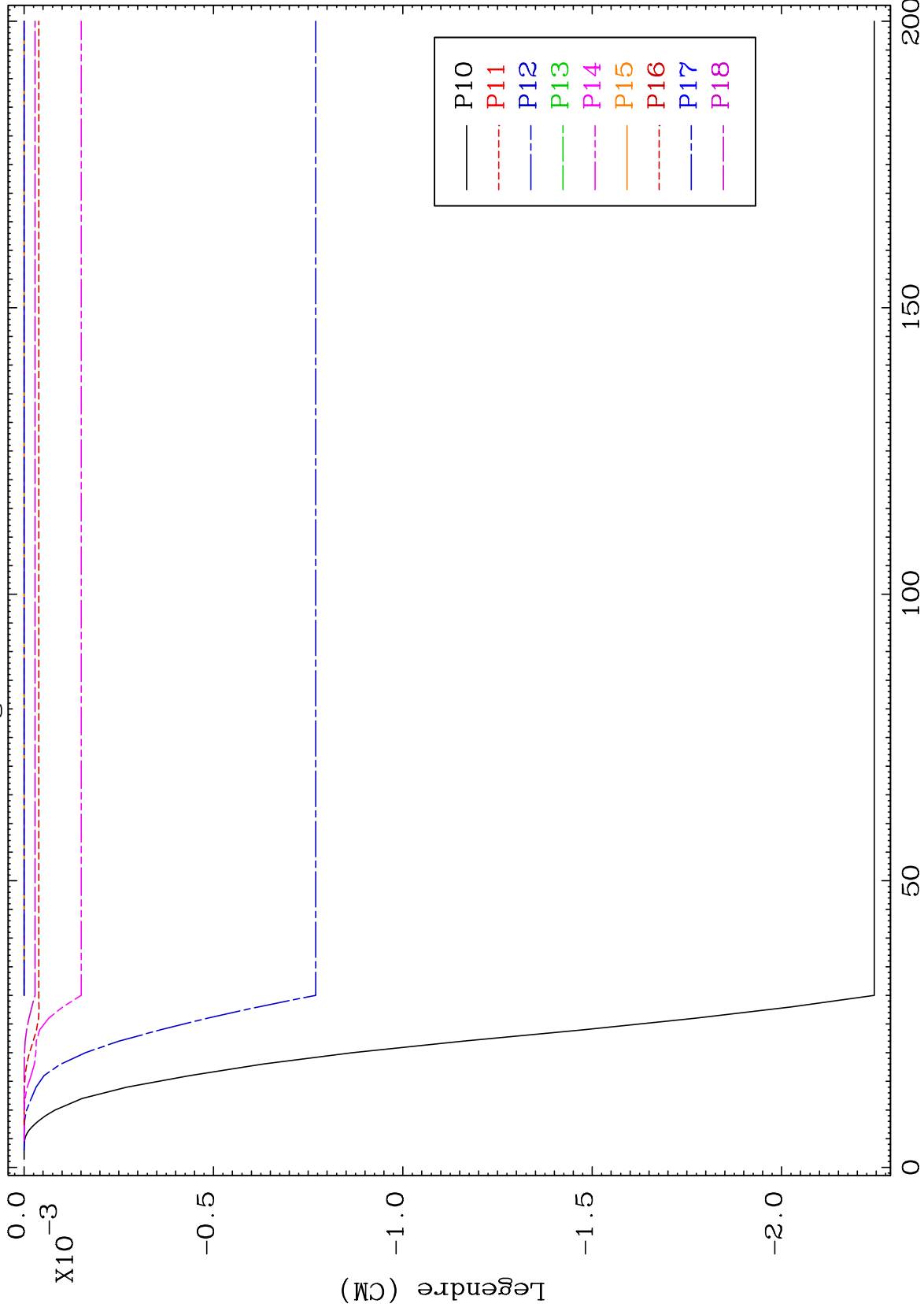
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

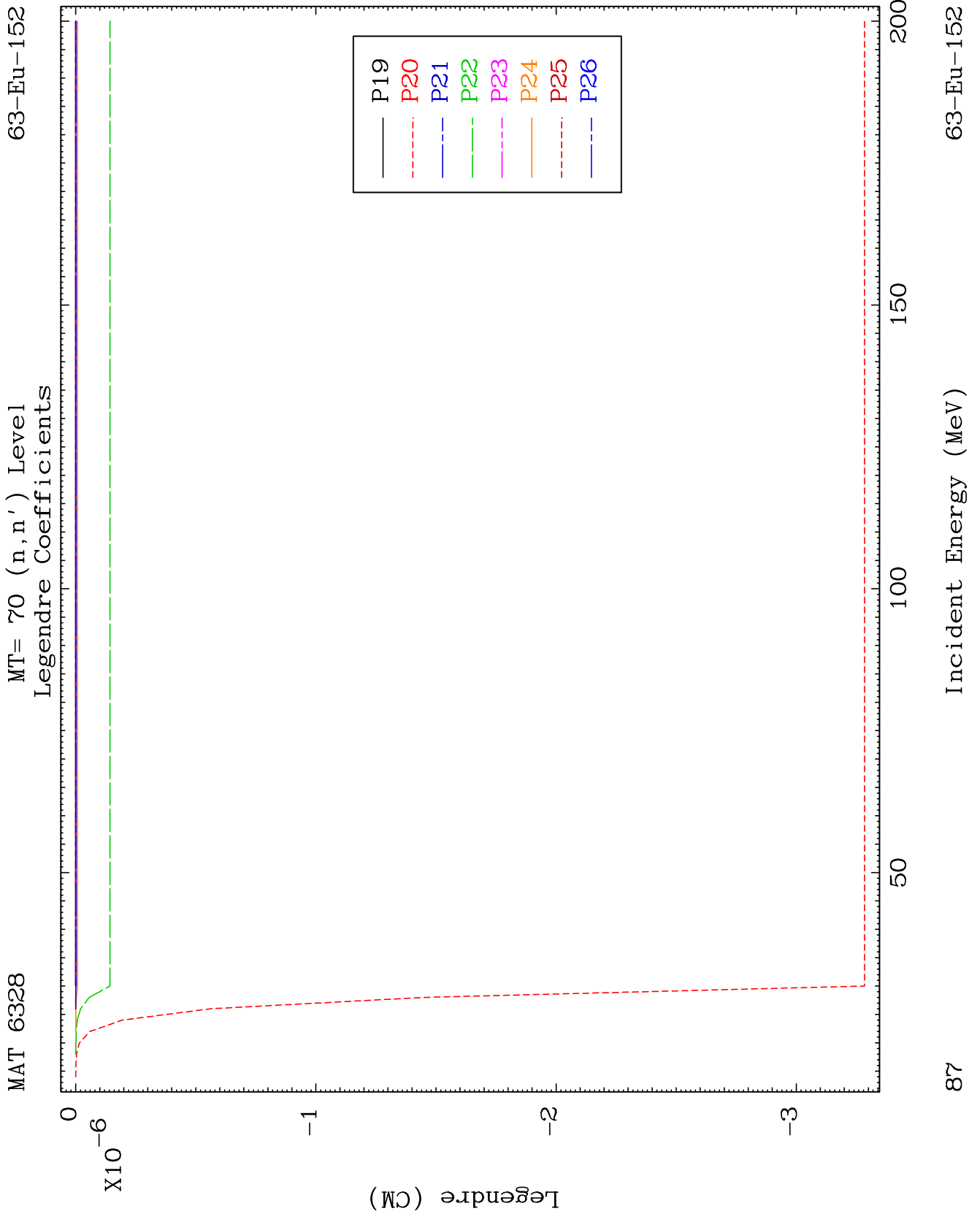
63-Eu-152



86

Incident Energy (MeV)

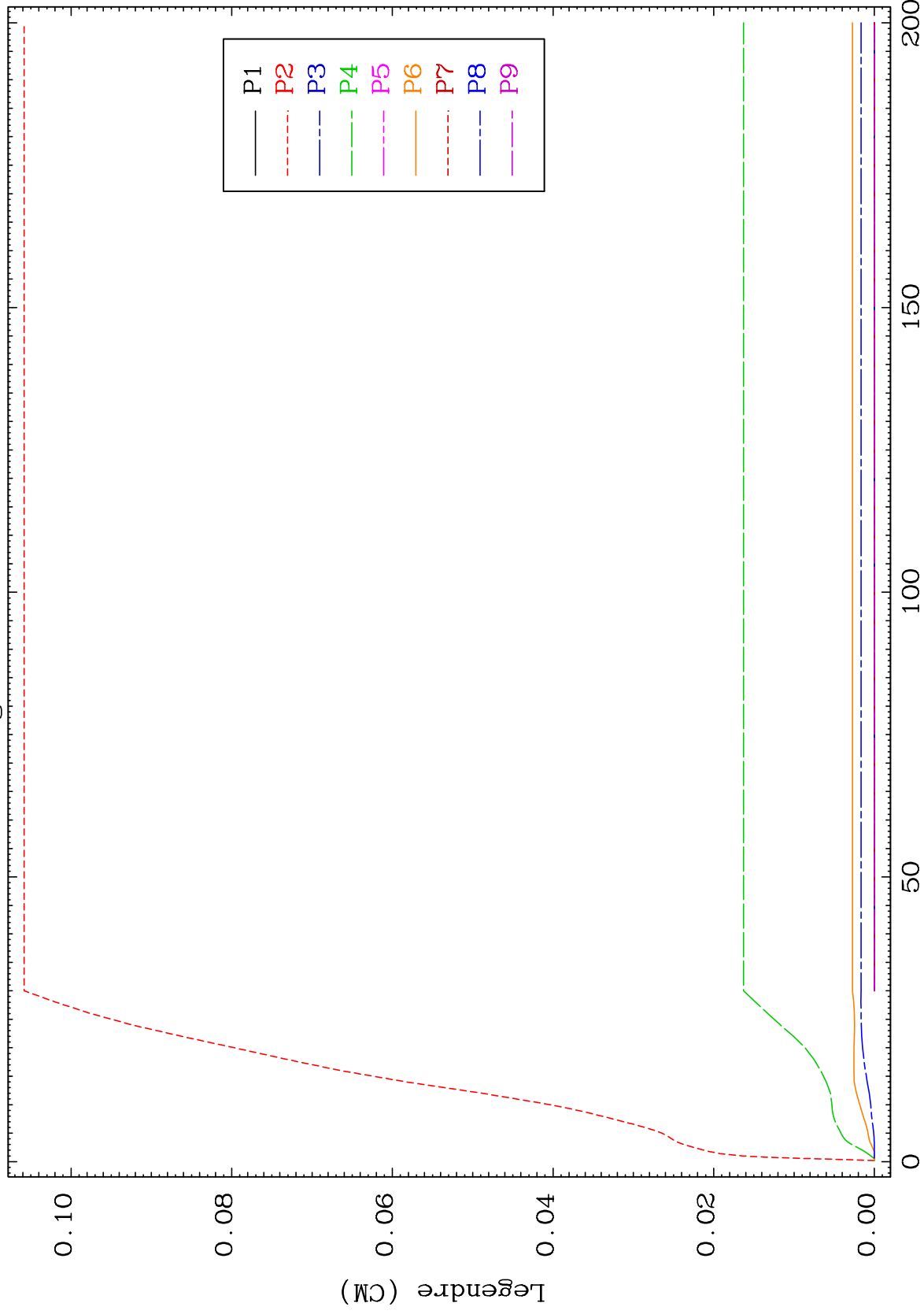
63-Eu-152



MAT 6328

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

63-Eu-152



88

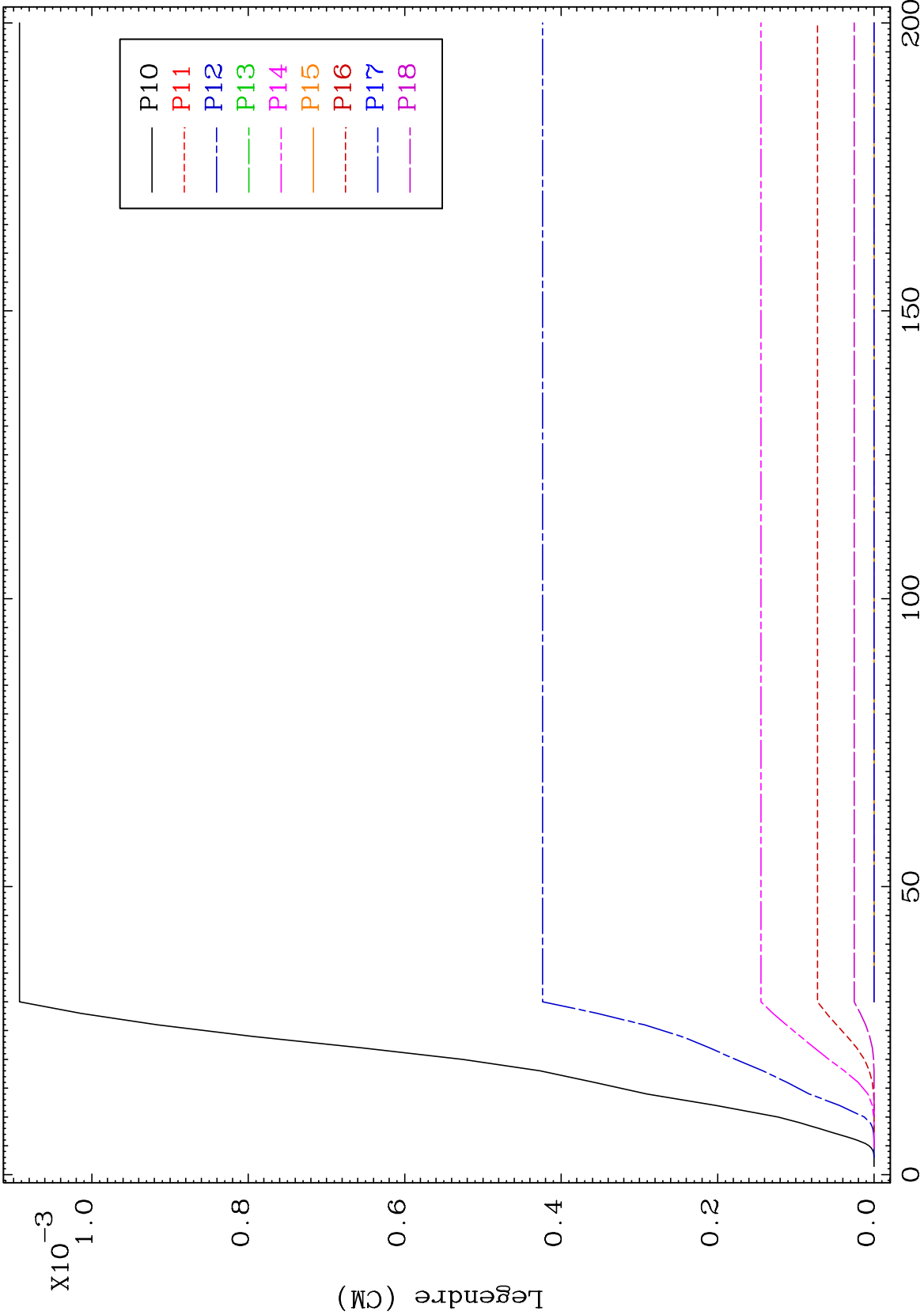
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

63-Eu-152



89

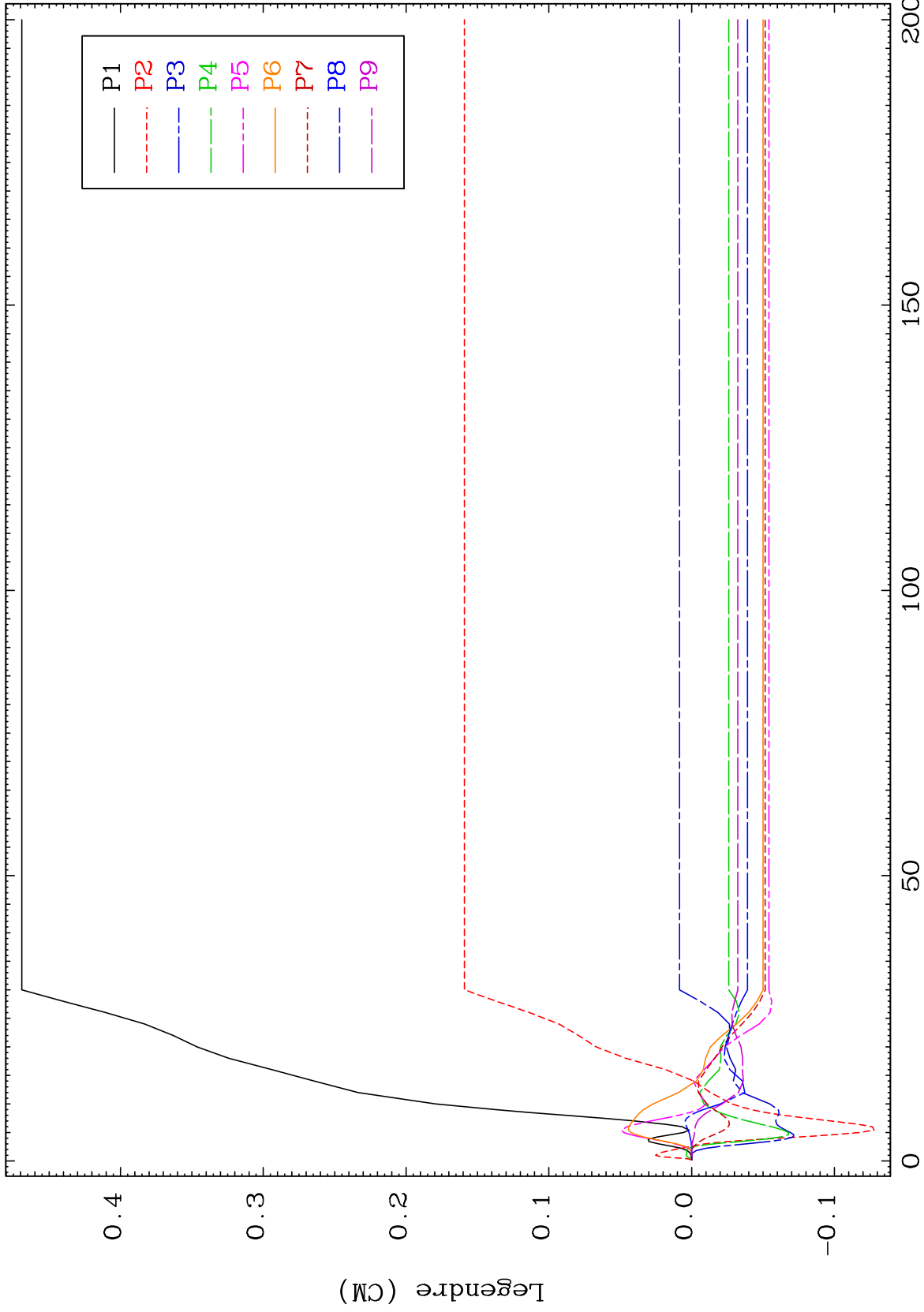
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

63-Eu-152



91

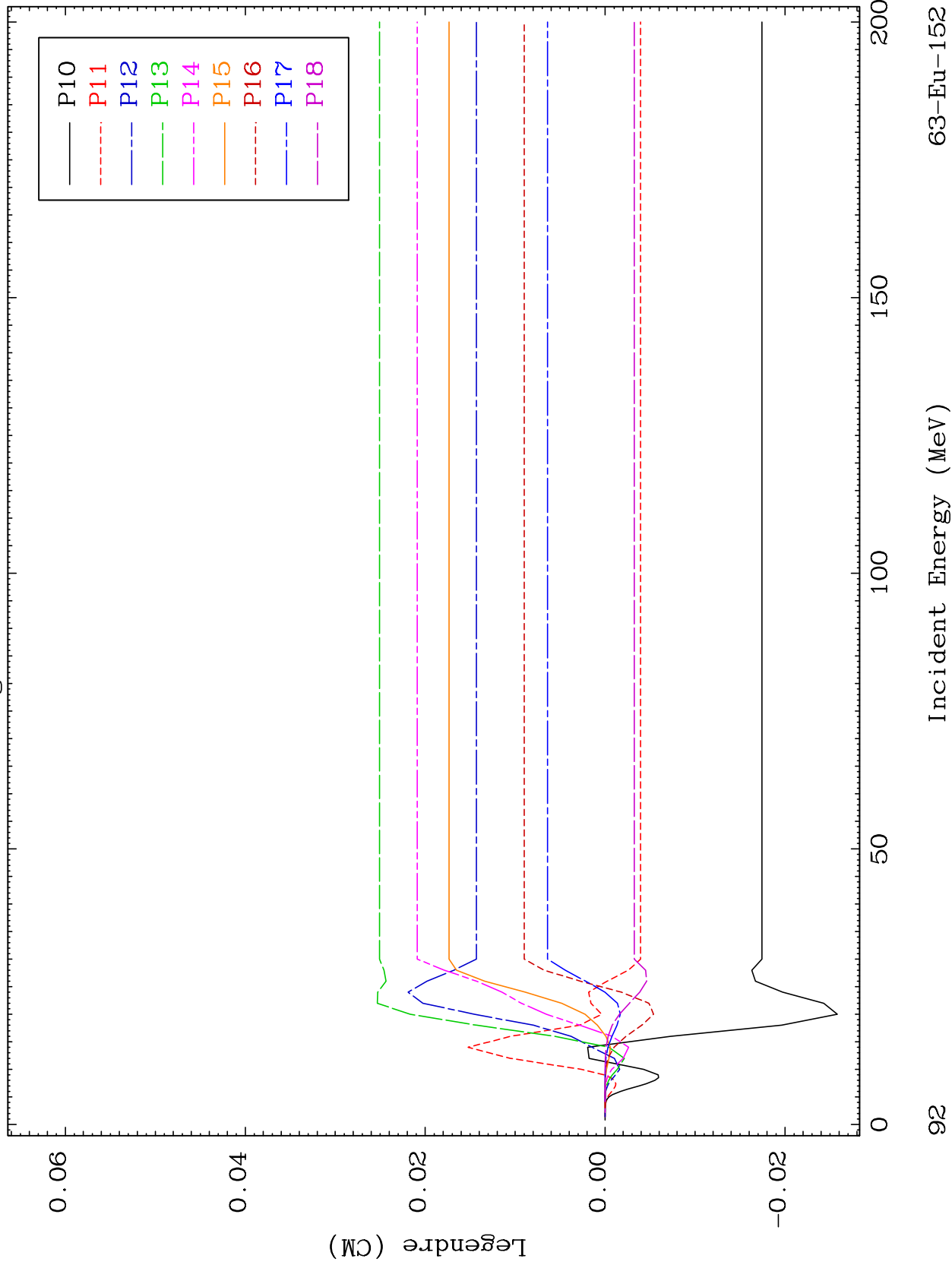
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

63-Eu-152



63-Eu-152

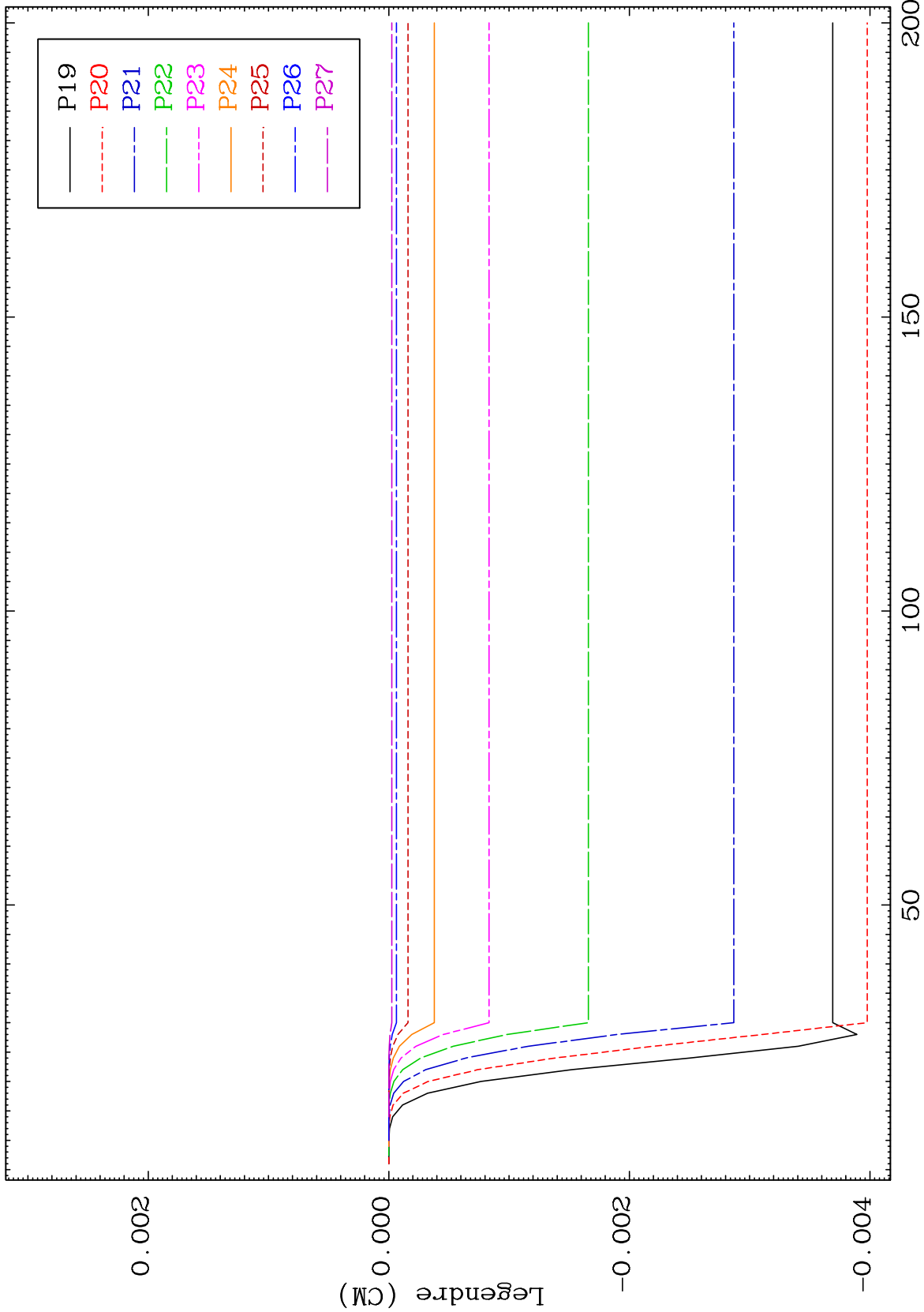
Incident Energy (MeV)

92

MAT 6328

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

63-Eu-152



93

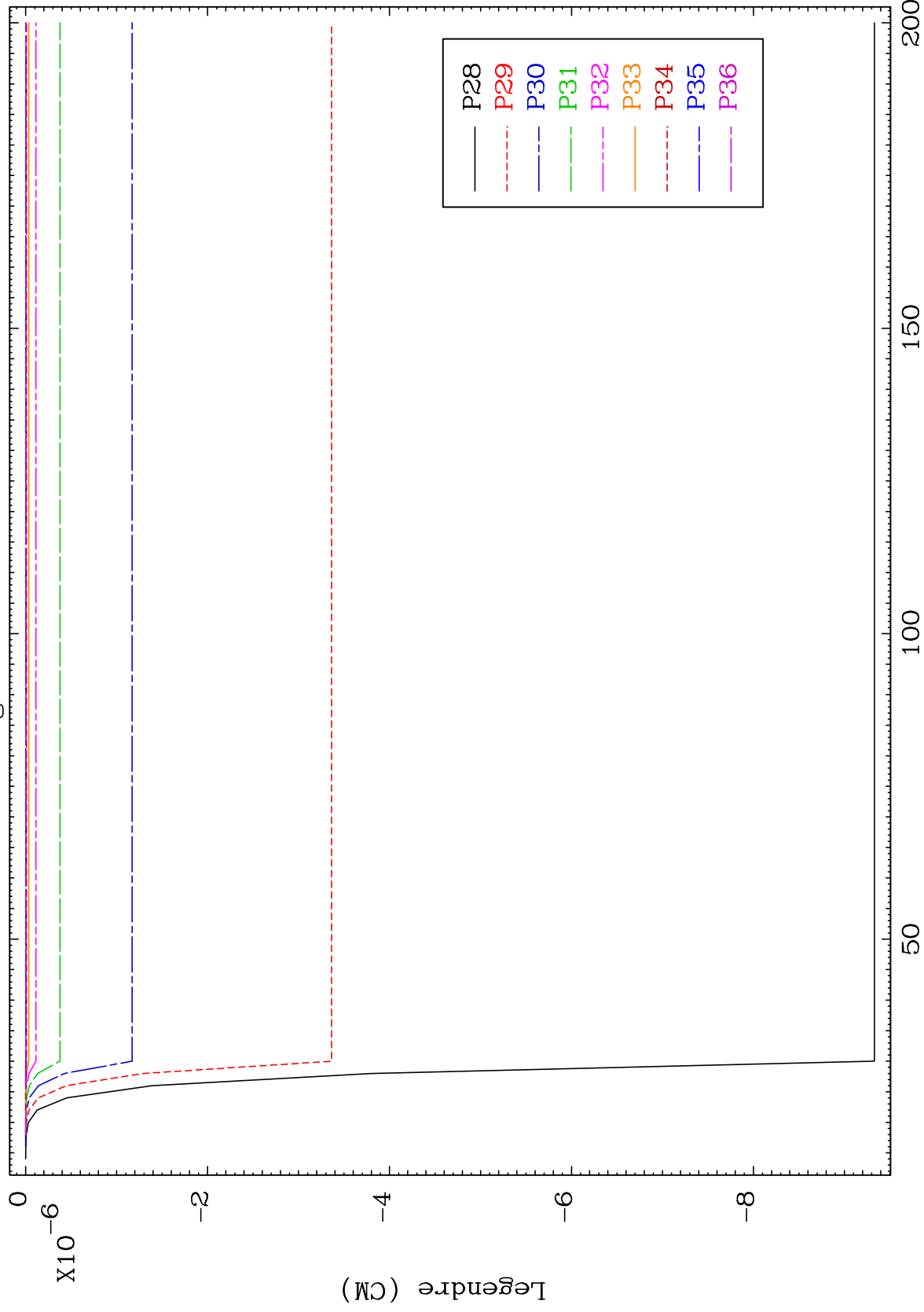
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

63-Eu-152



94

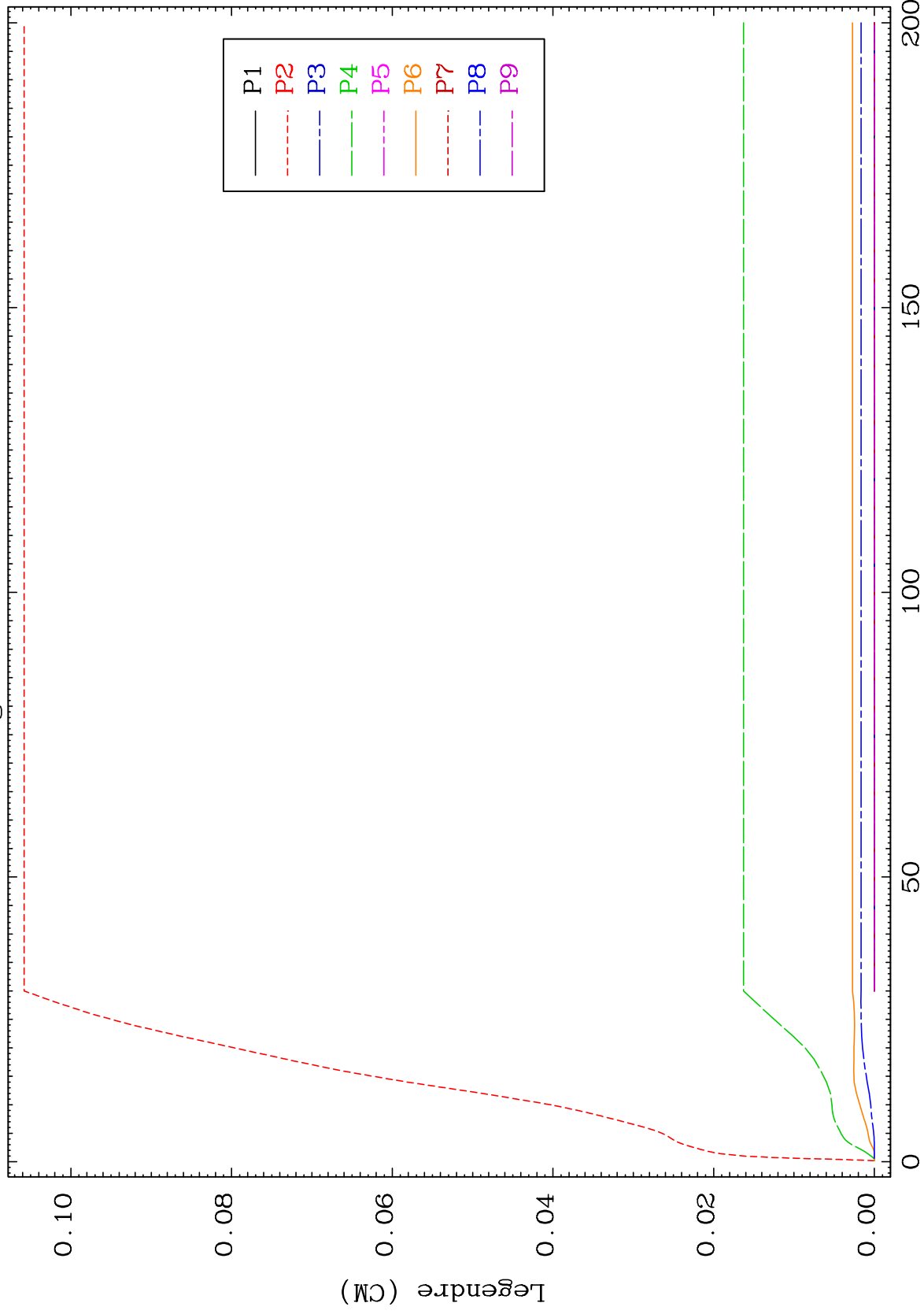
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

63-Eu-152



63-Eu-152

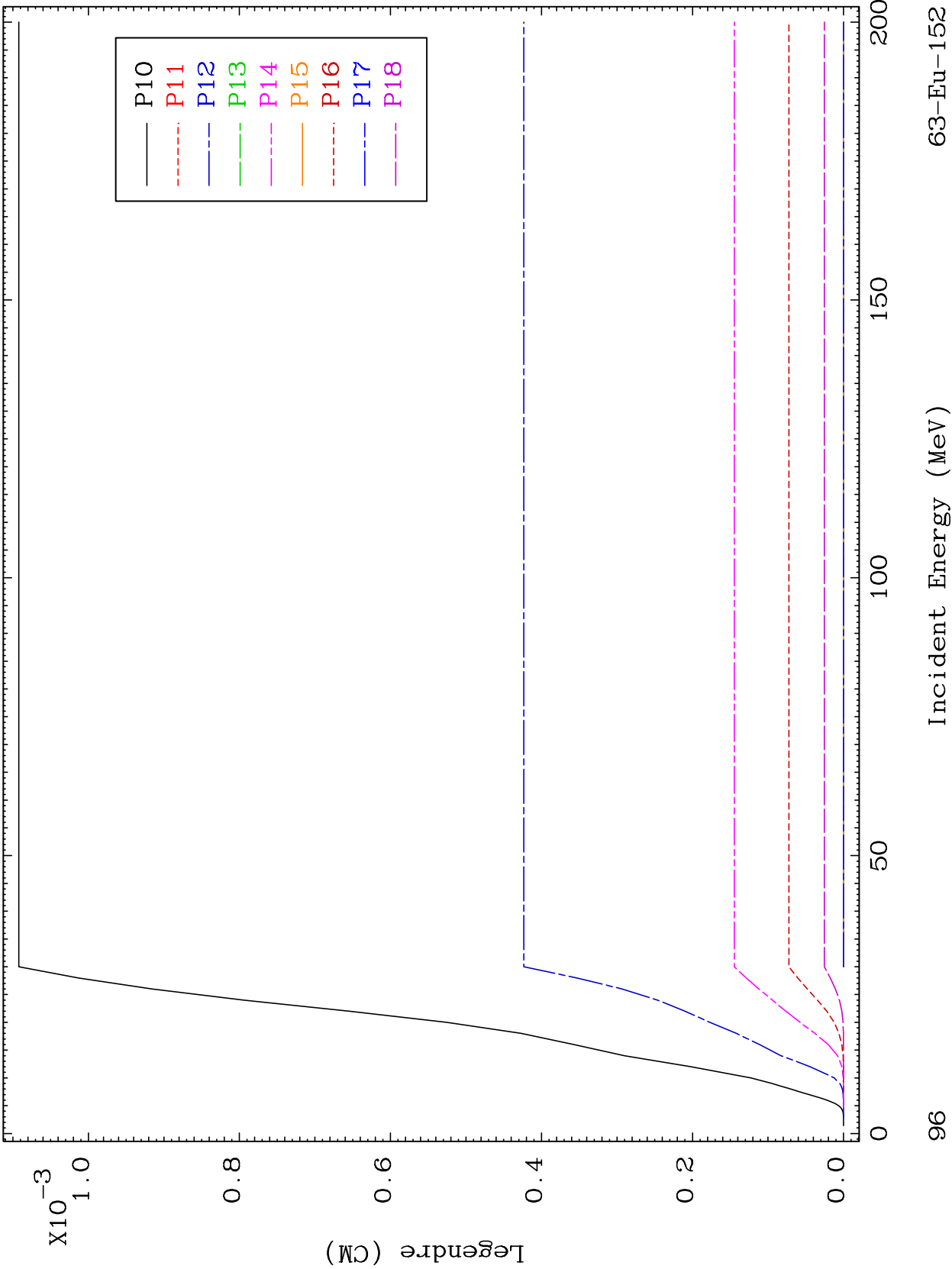
Incident Energy (MeV)

95

MAT 6328

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

63-Eu-152



63-Eu-152

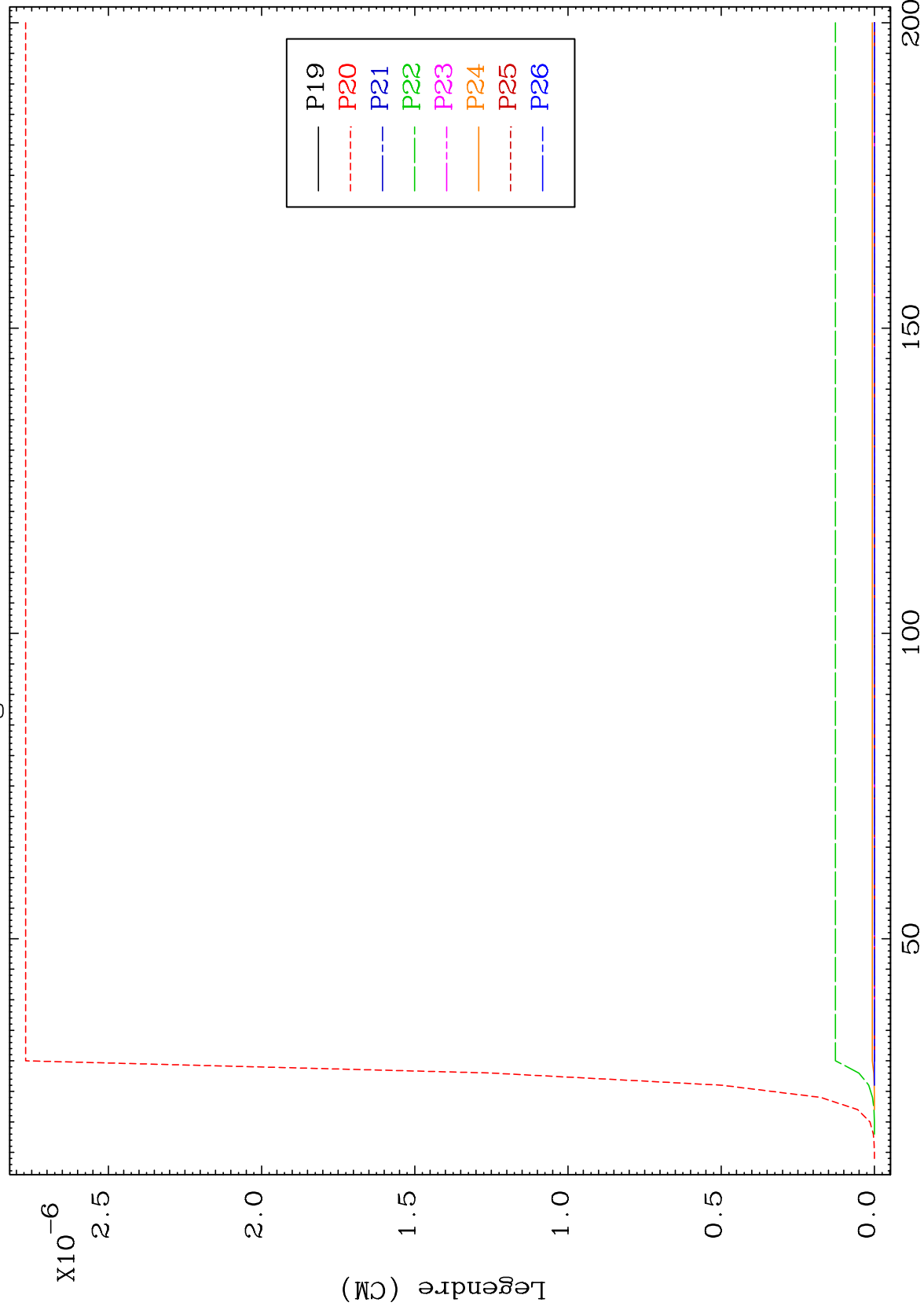
Incident Energy (MeV)

96

MAT 6328

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

63-Eu-152



63-Eu-152

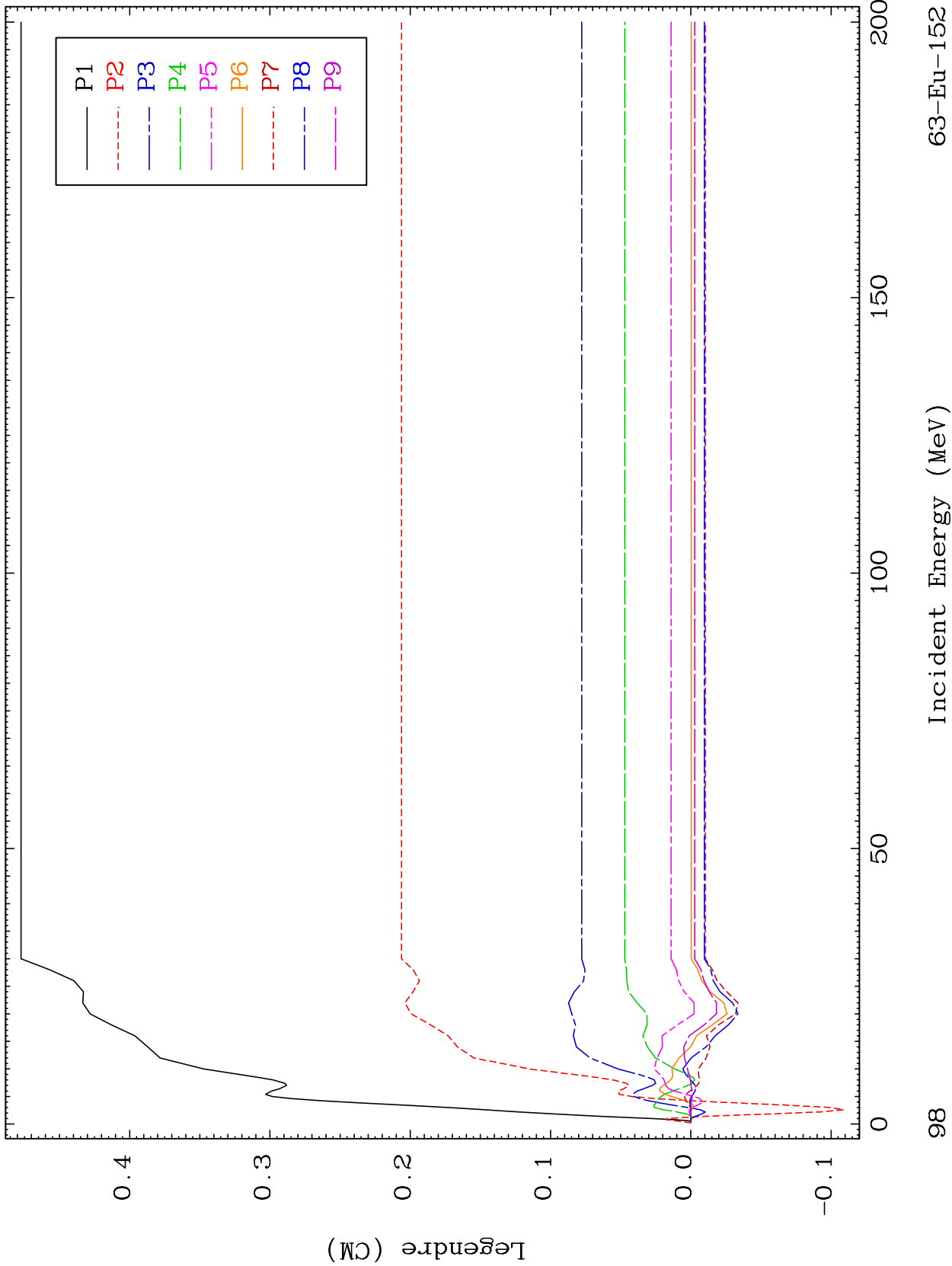
Incident Energy (MeV)

97

MAT 6328

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

63-Eu-152



63-Eu-152

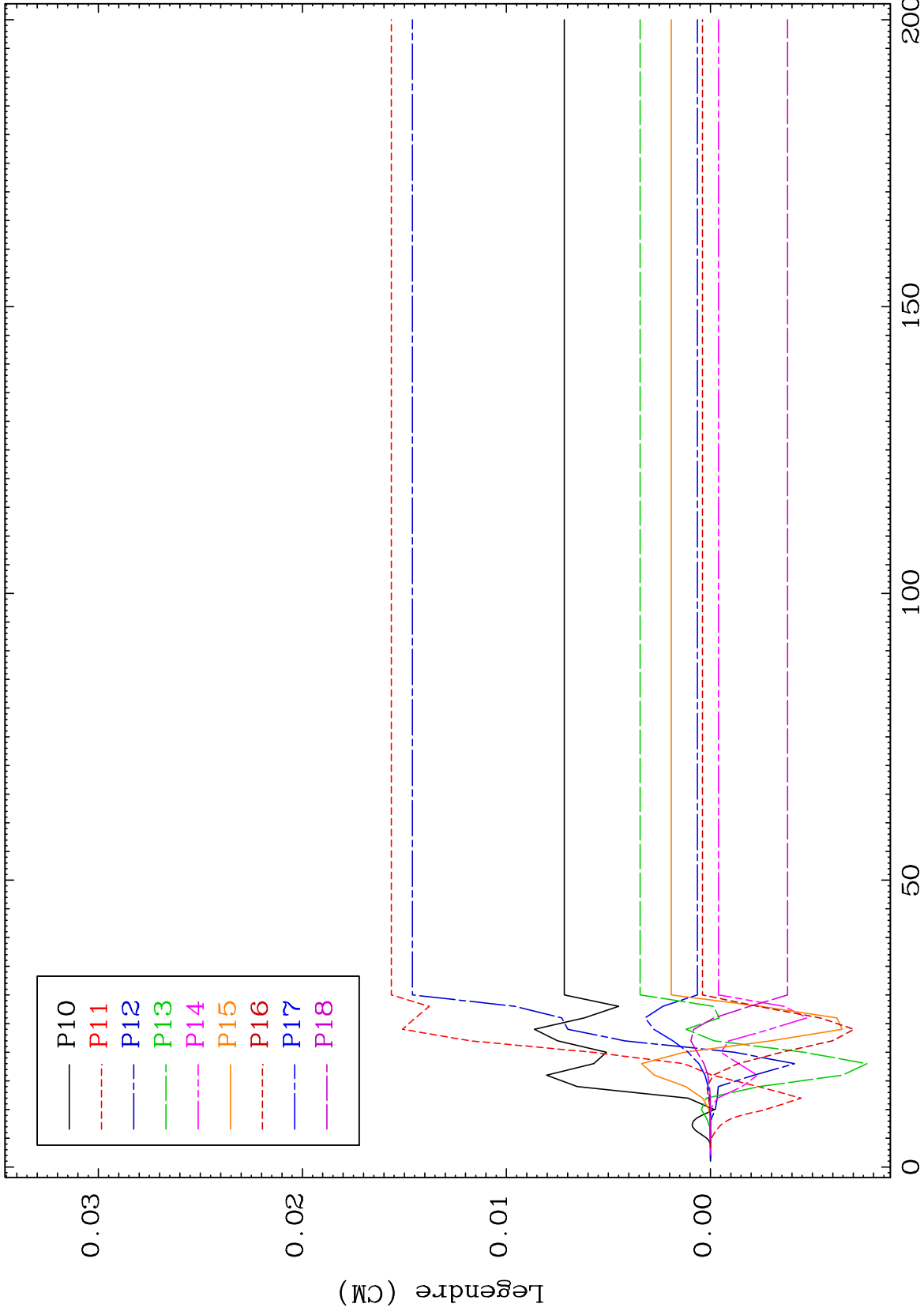
Incident Energy (MeV)

98

MAT 6328

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

63-Eu-152



99

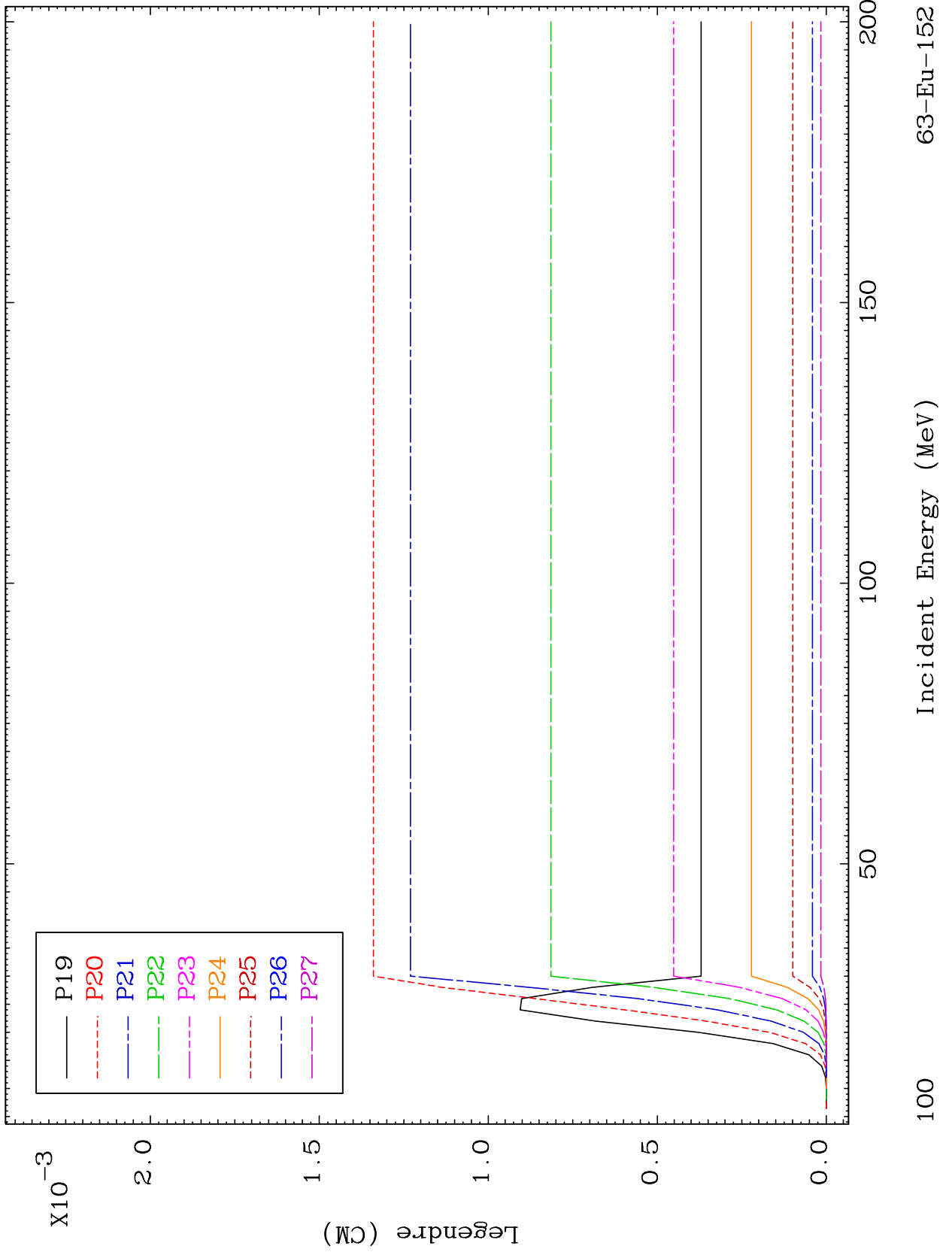
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

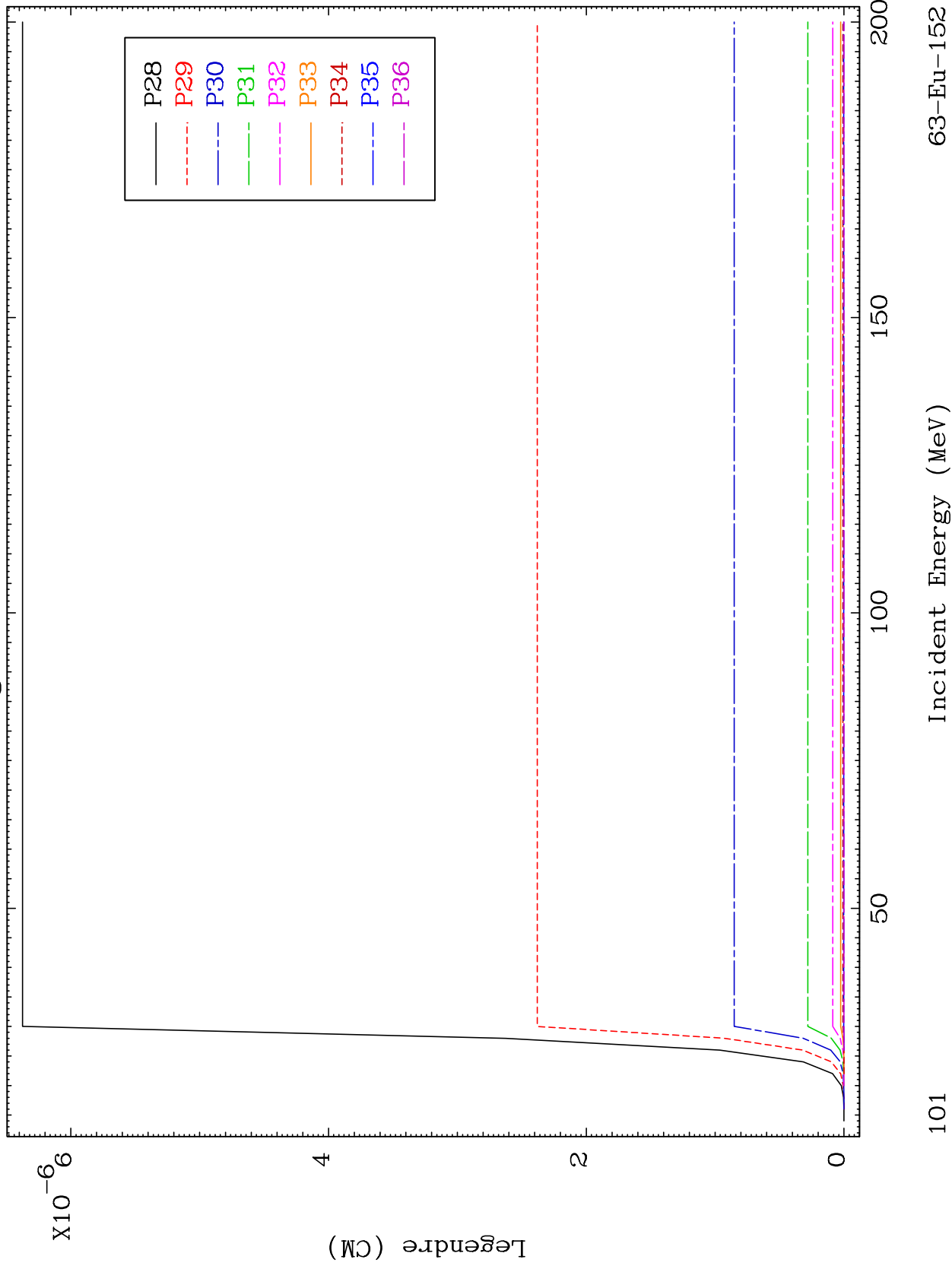
63-Eu-152



MAT 6328

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

63-Eu-152



101

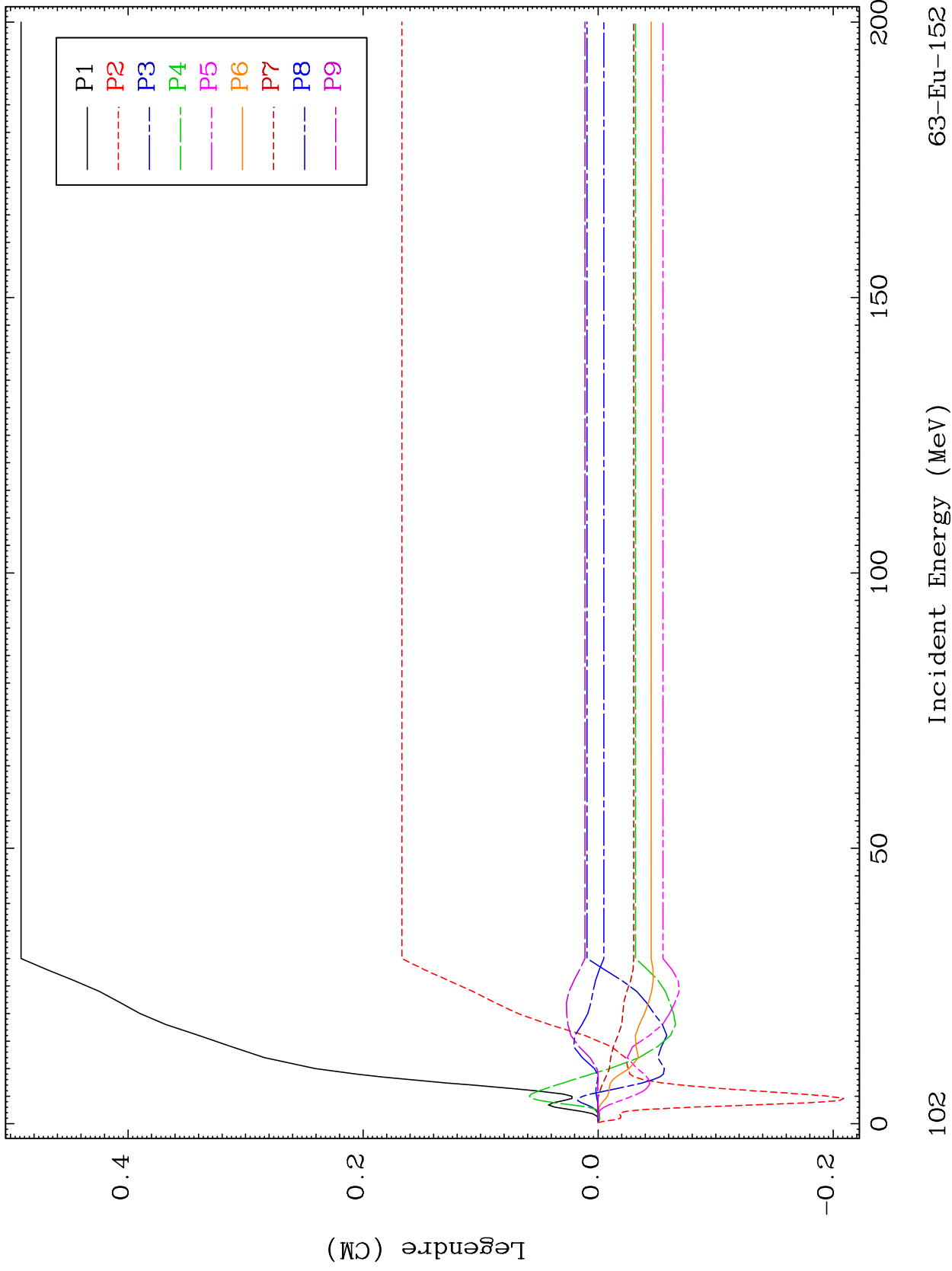
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

63-Eu-152



63-Eu-152

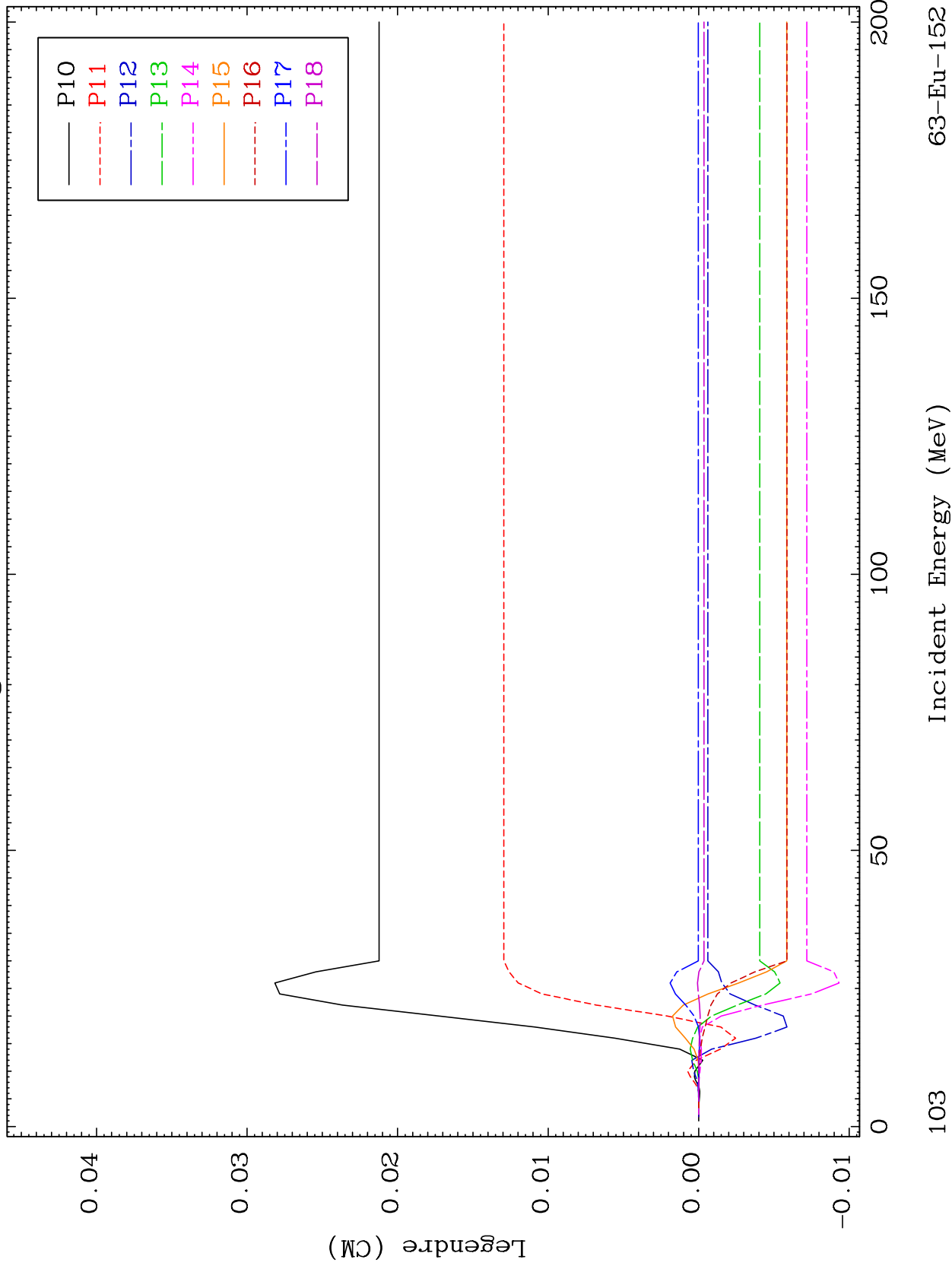
Incident Energy (MeV)

102

MAT 6328

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

63-Eu-152



63-Eu-152

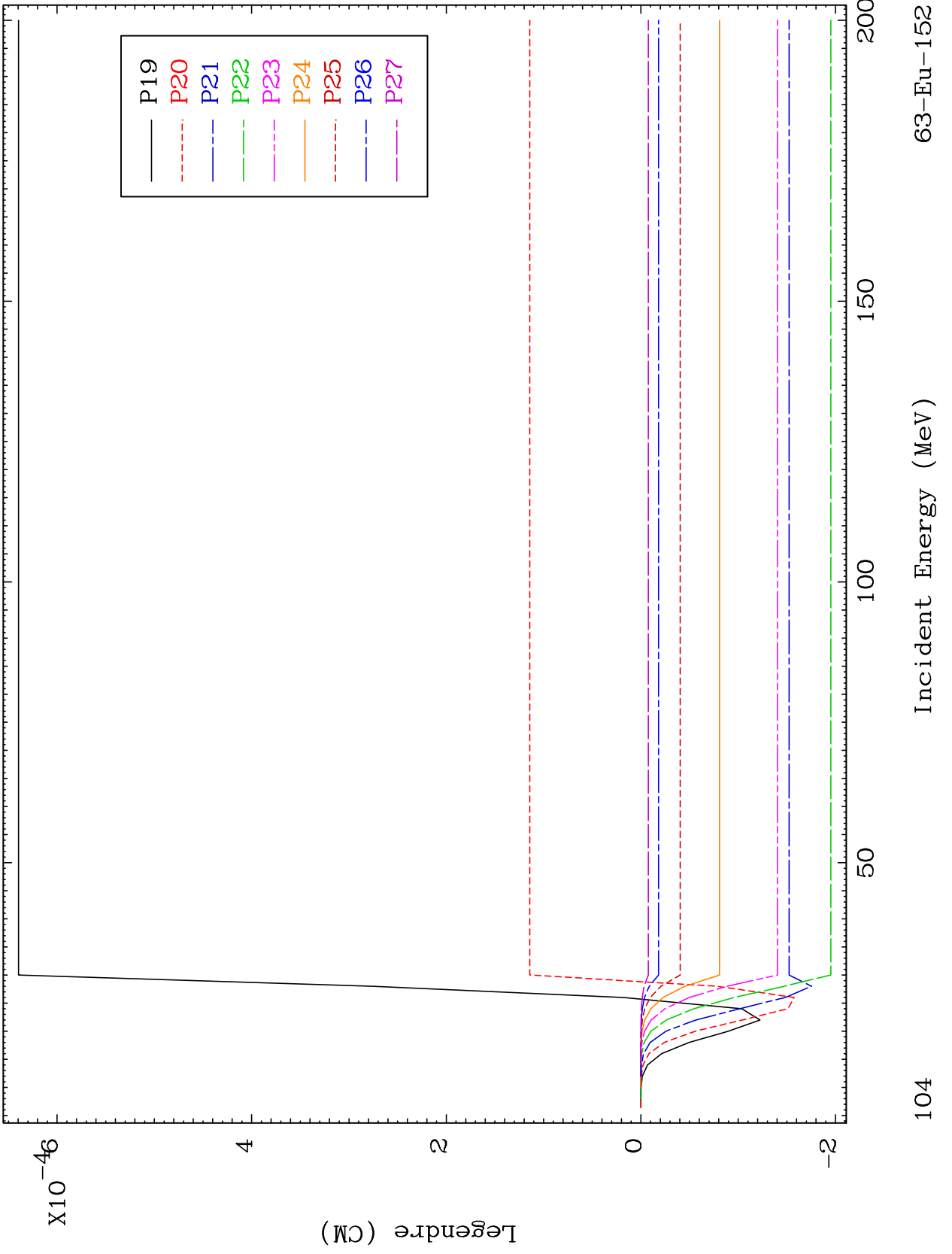
Incident Energy (MeV)

103

MAT 6328

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

63-Eu-152



104

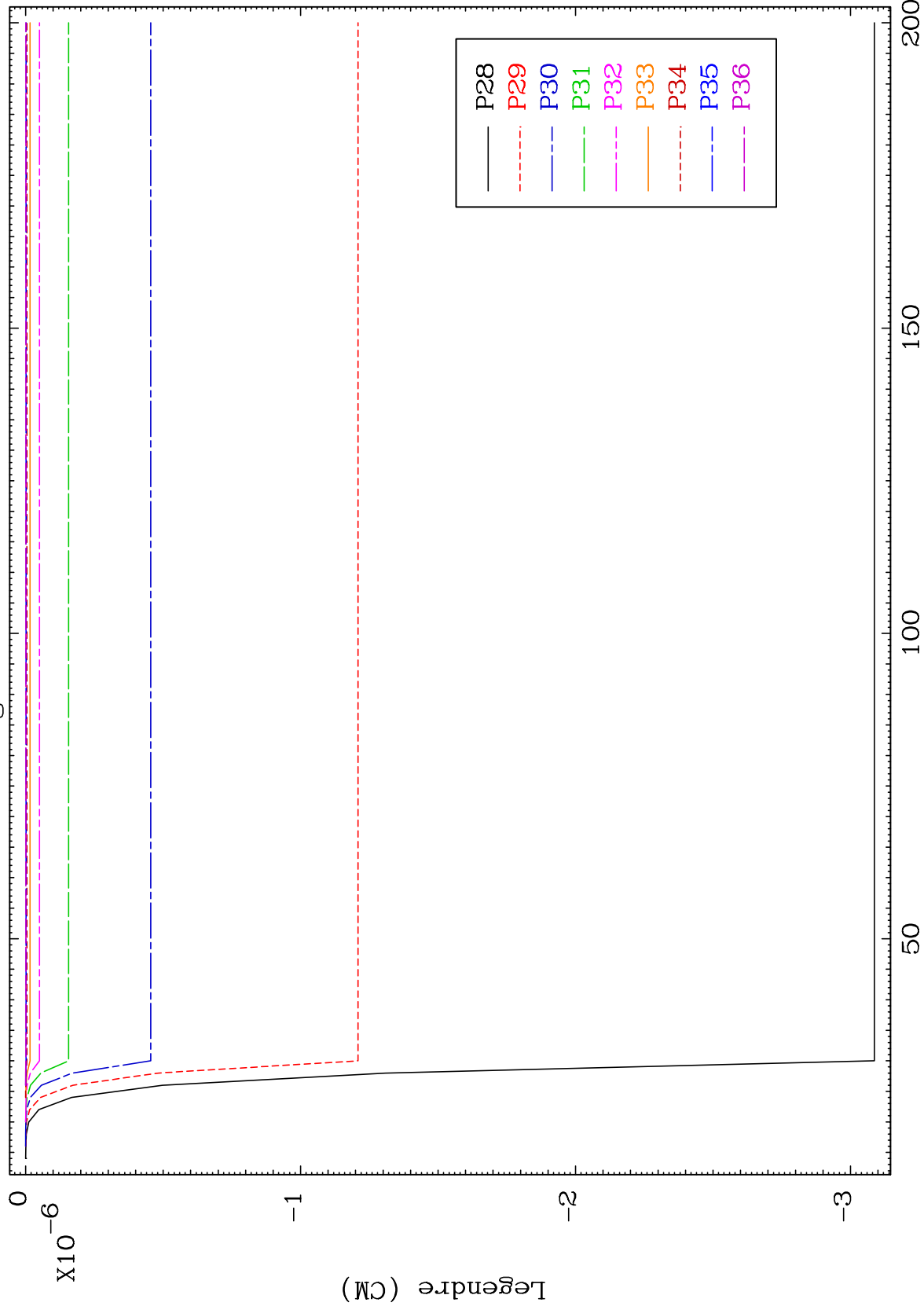
63-Eu-152

MAT 6328

MT= 75 (n,n') Level

63-Eu-152

Legendre Coefficients



63-Eu-152

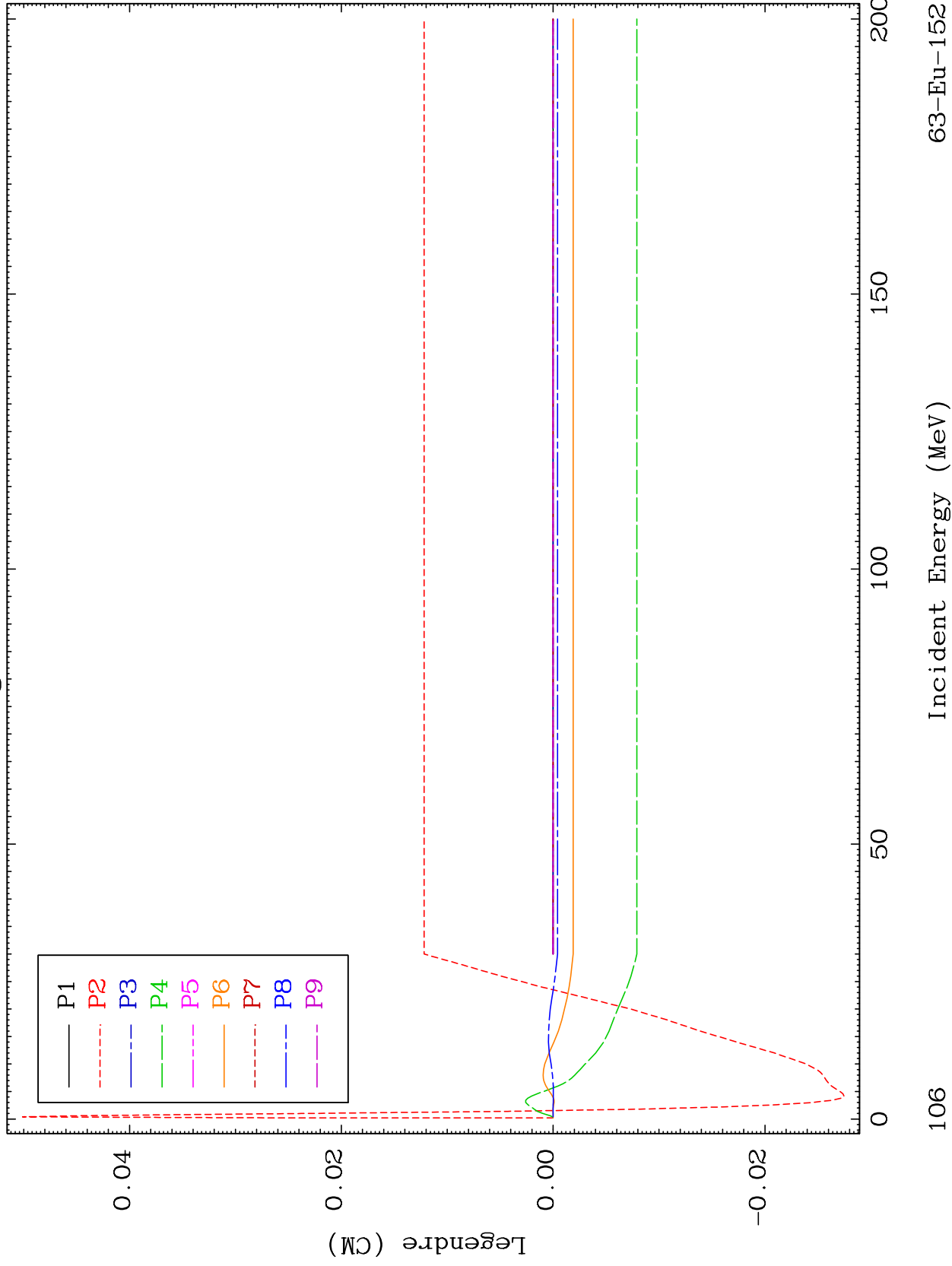
Incident Energy (MeV)

105

MAT 6328

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

63-Eu-152



63-Eu-152

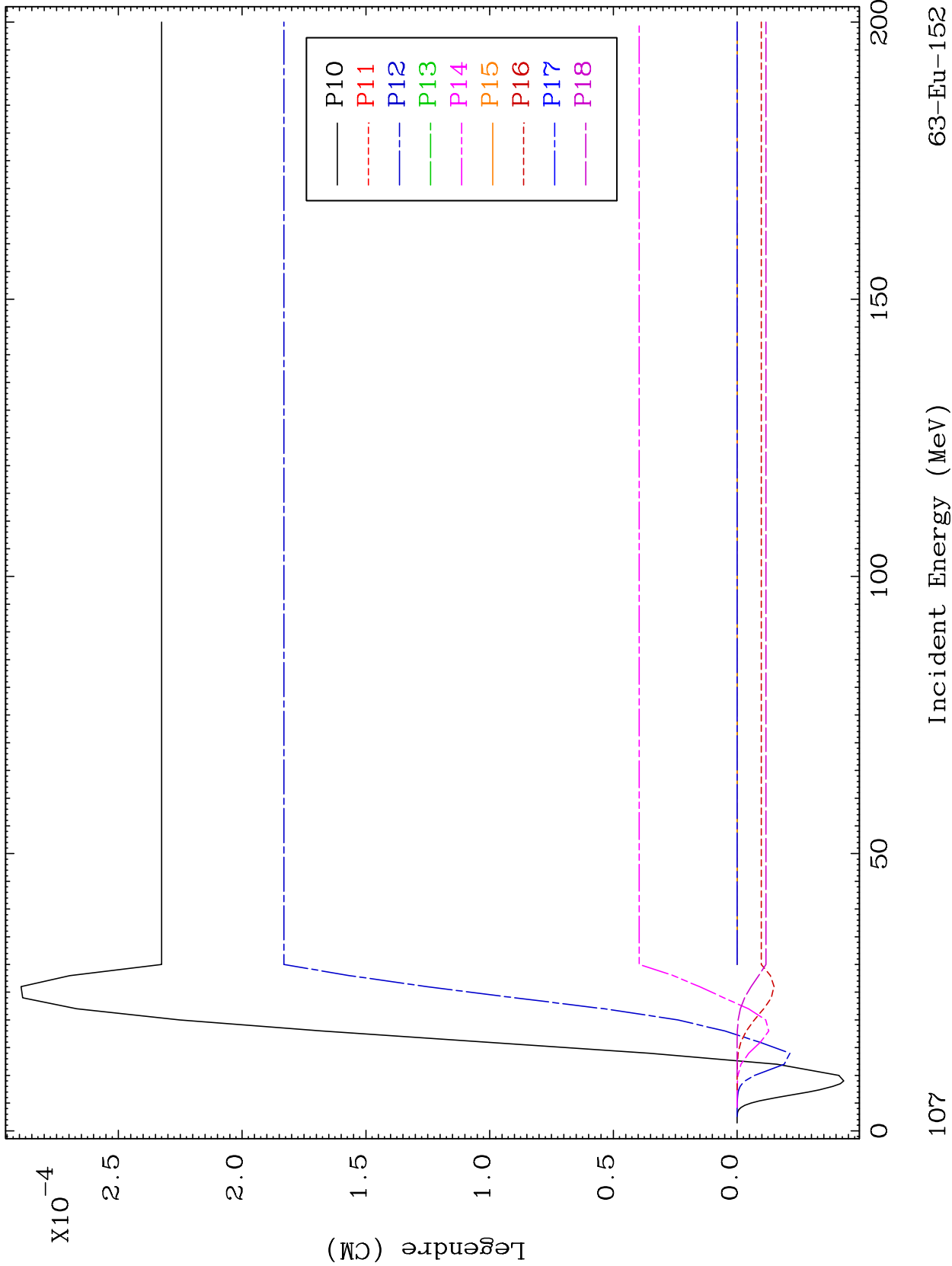
Incident Energy (MeV)

106

MAT 6328

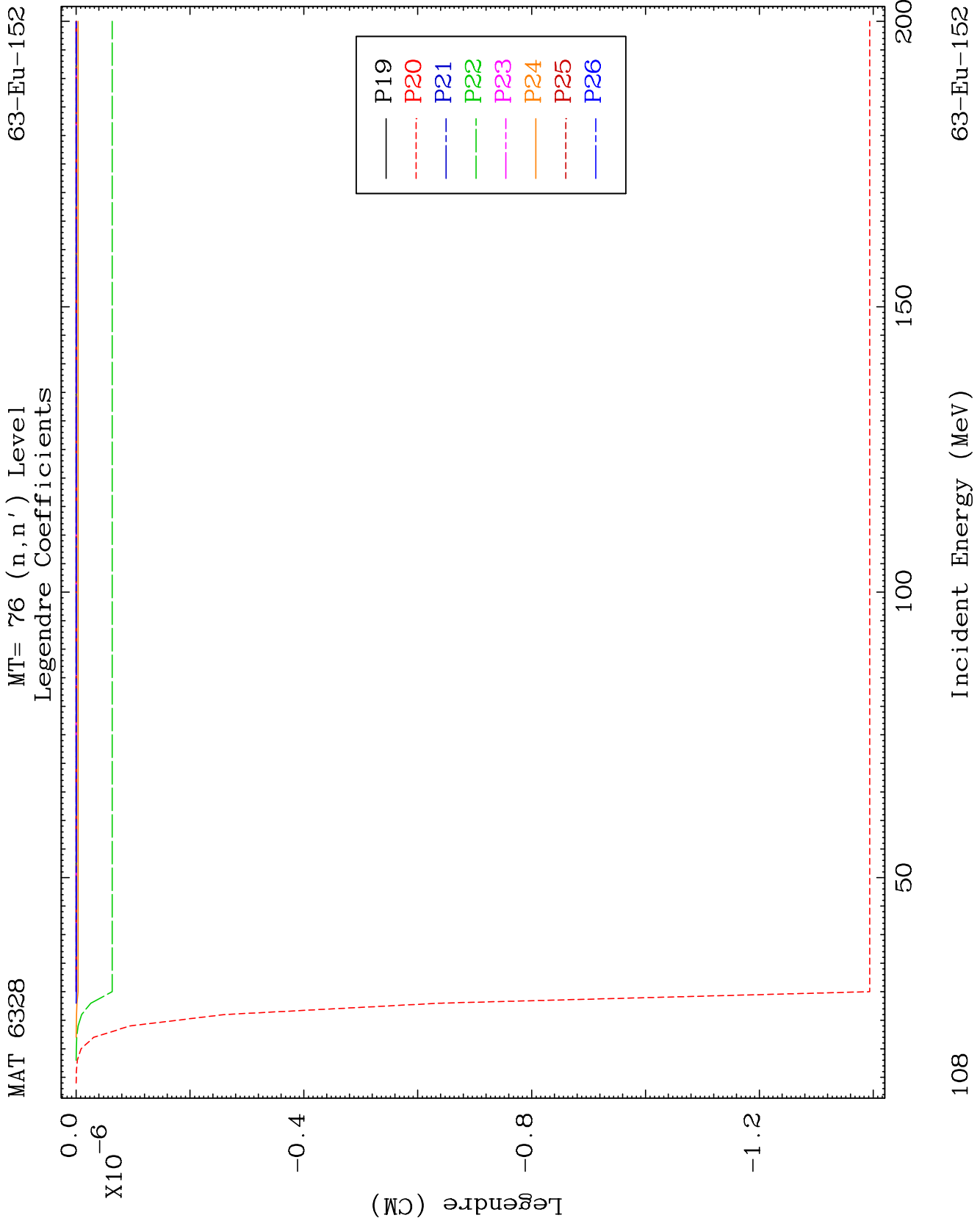
MT= 76 (n,n') Level
Legendre Coefficients

63-Eu-152



107

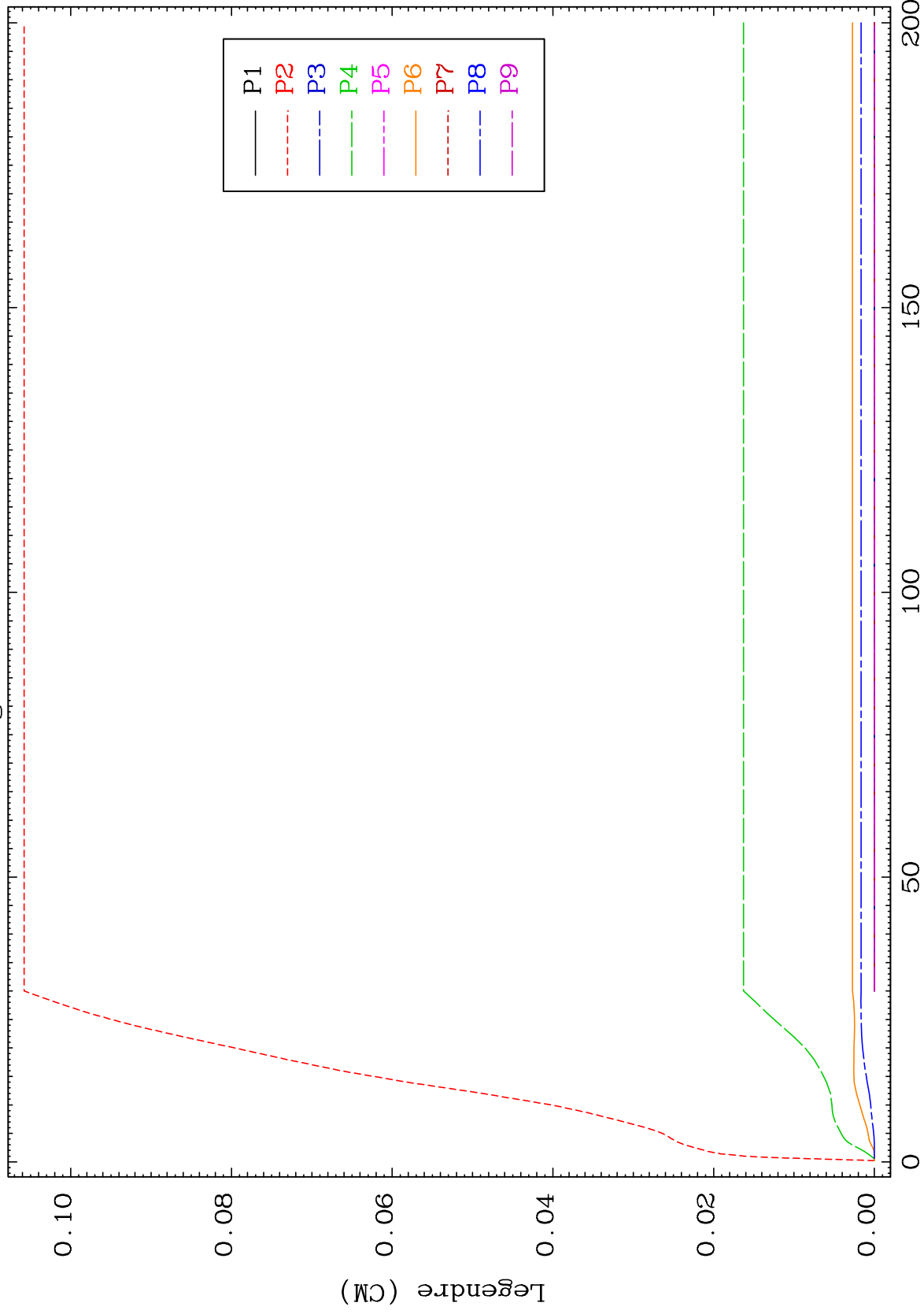
63-Eu-152



MAT 6328

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

63-Eu-152



63-Eu-152

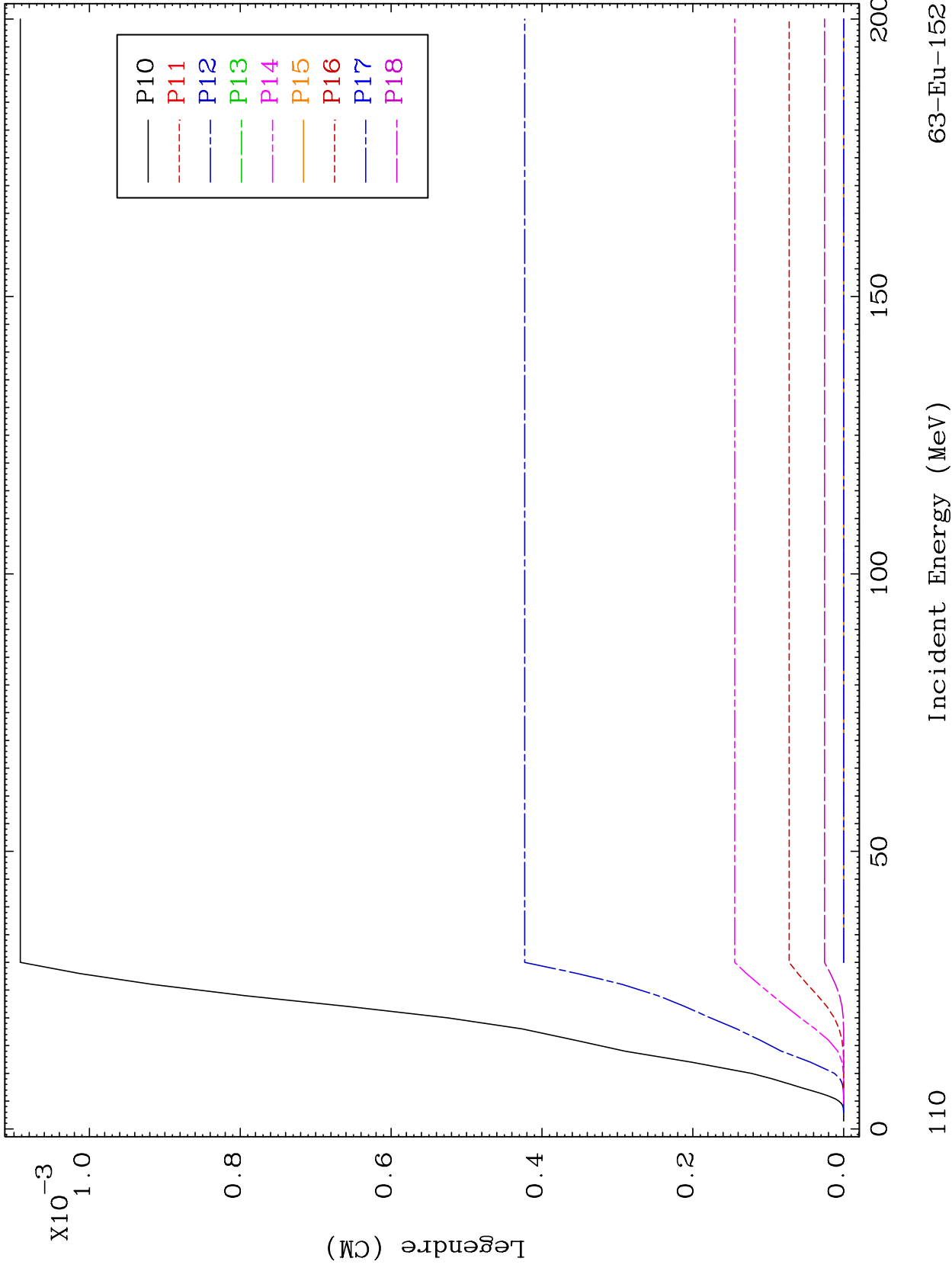
Incident Energy (MeV)

109

MAT 6328

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

63-Eu-152



63-Eu-152

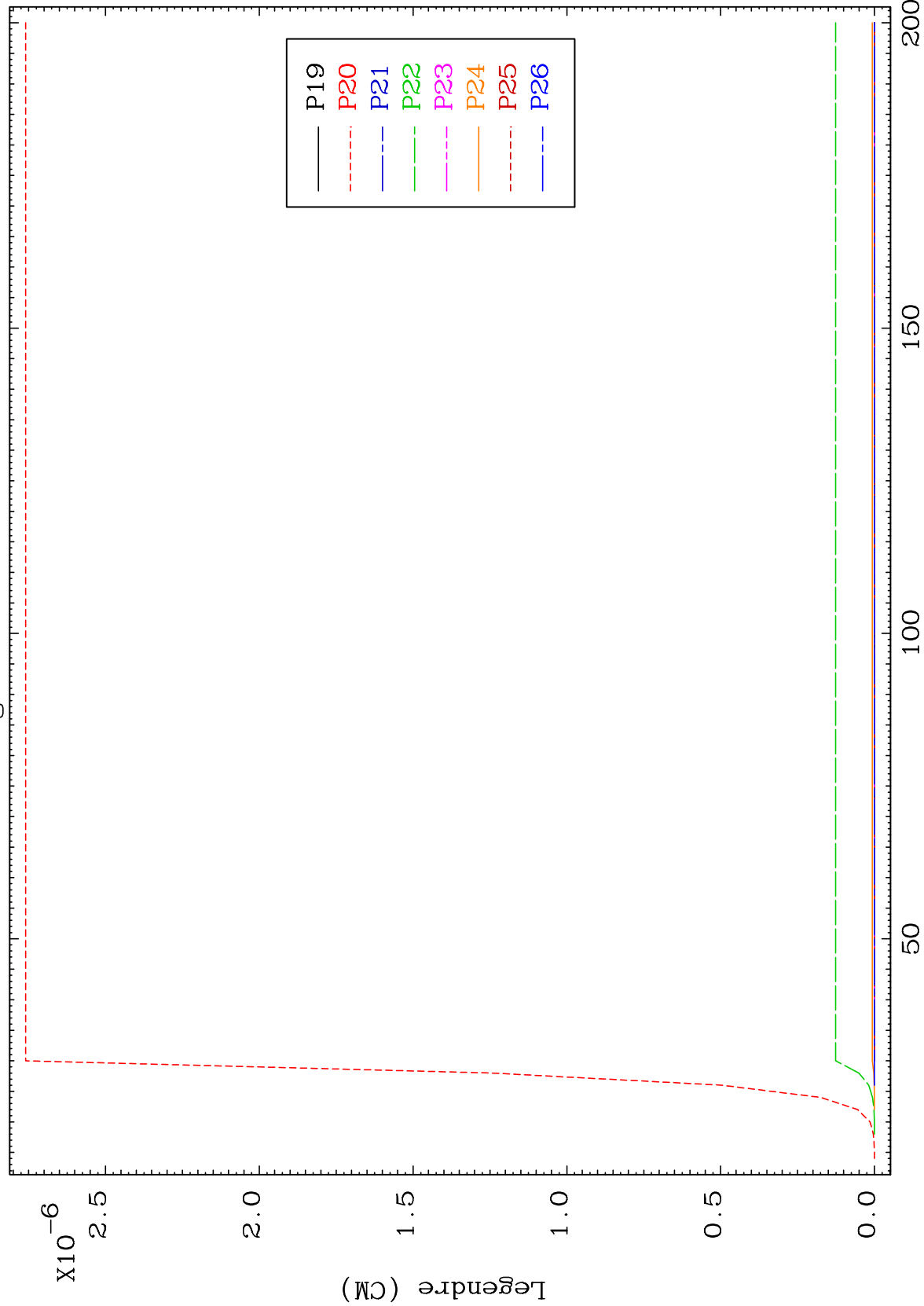
Incident Energy (MeV)

110

MAT 6328

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

63-Eu-152



63-Eu-152

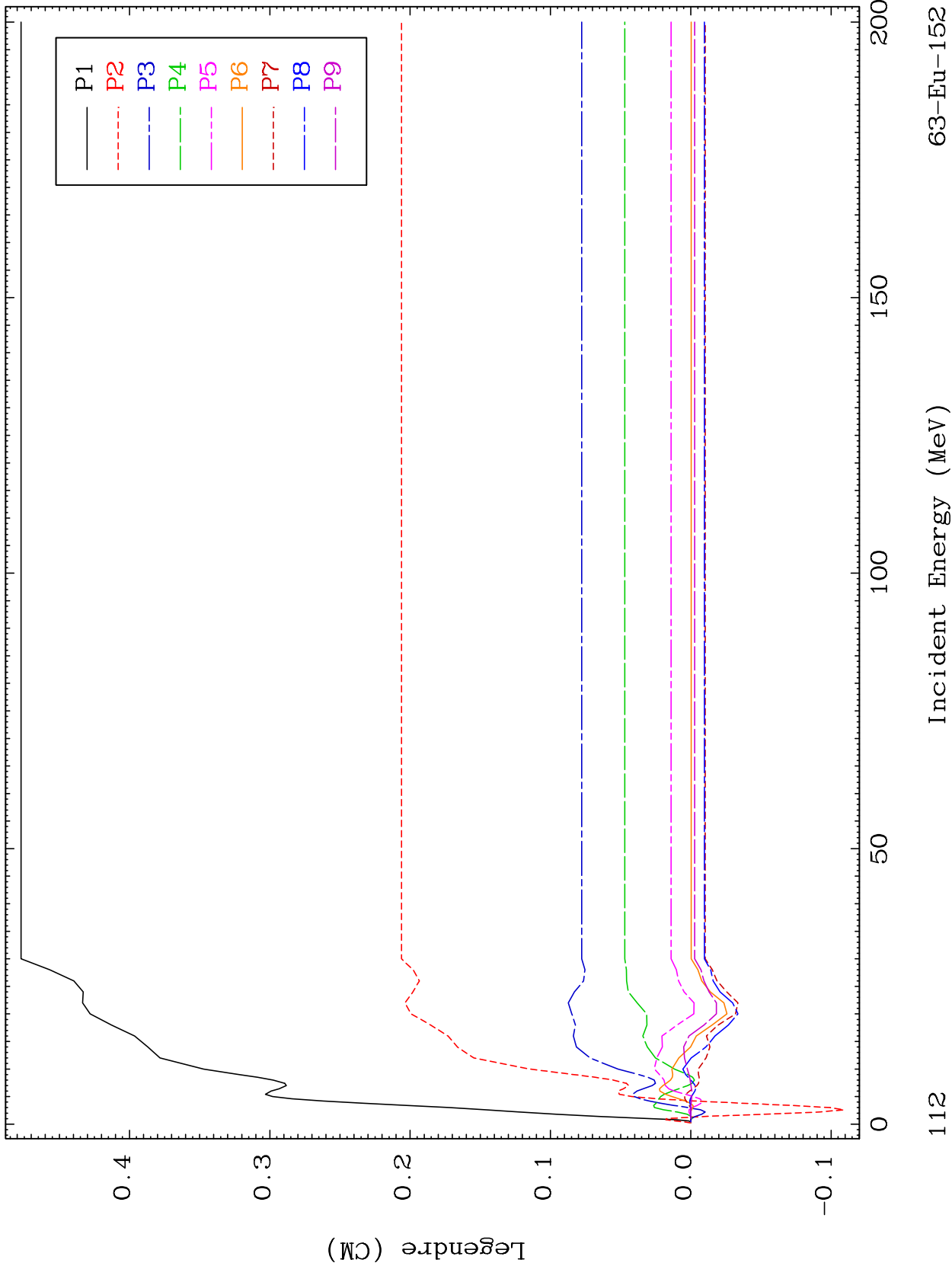
Incident Energy (MeV)

111

MAT 6328

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

63-Eu-152



63-Eu-152

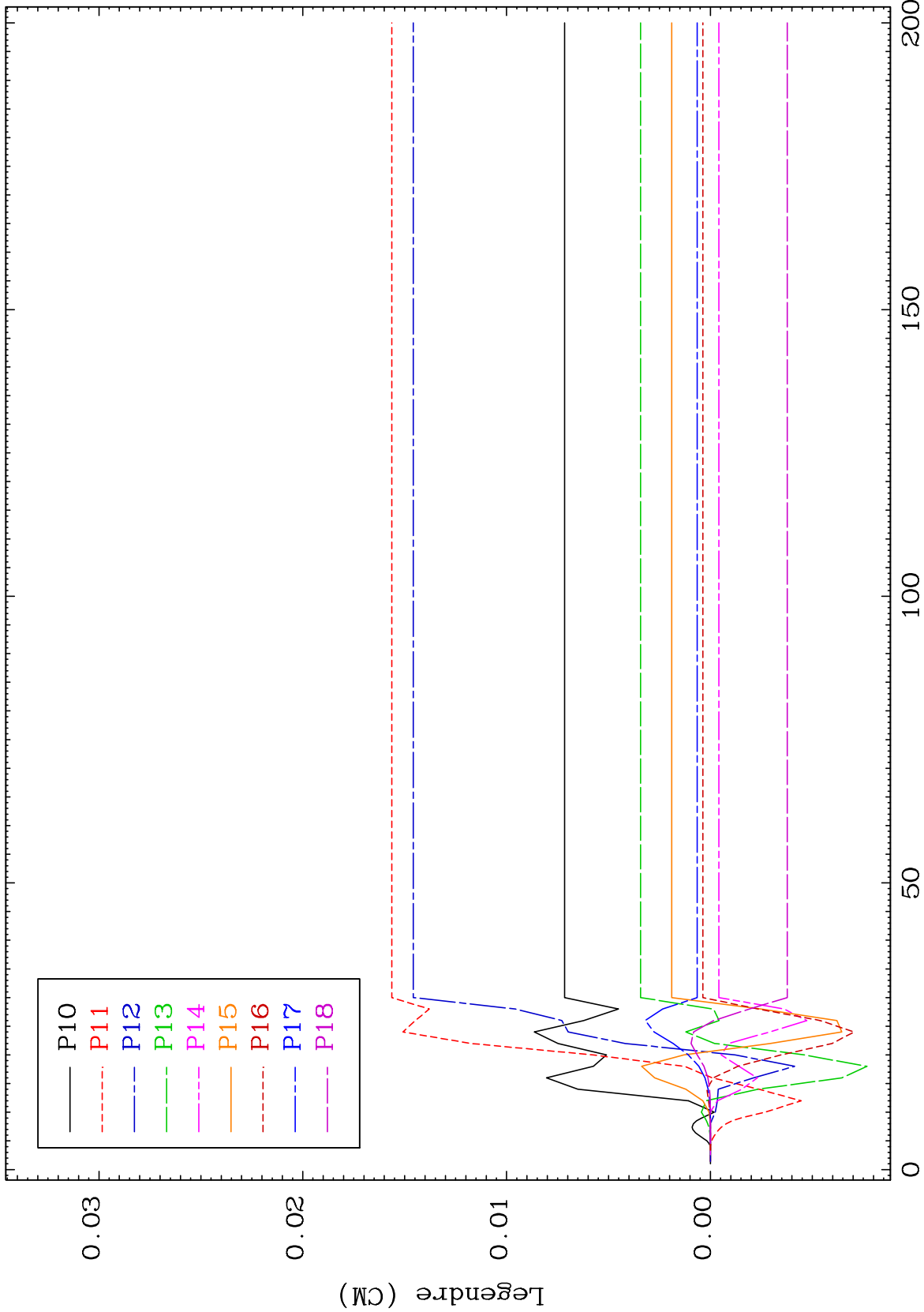
Incident Energy (MeV)

112

MAT 6328

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

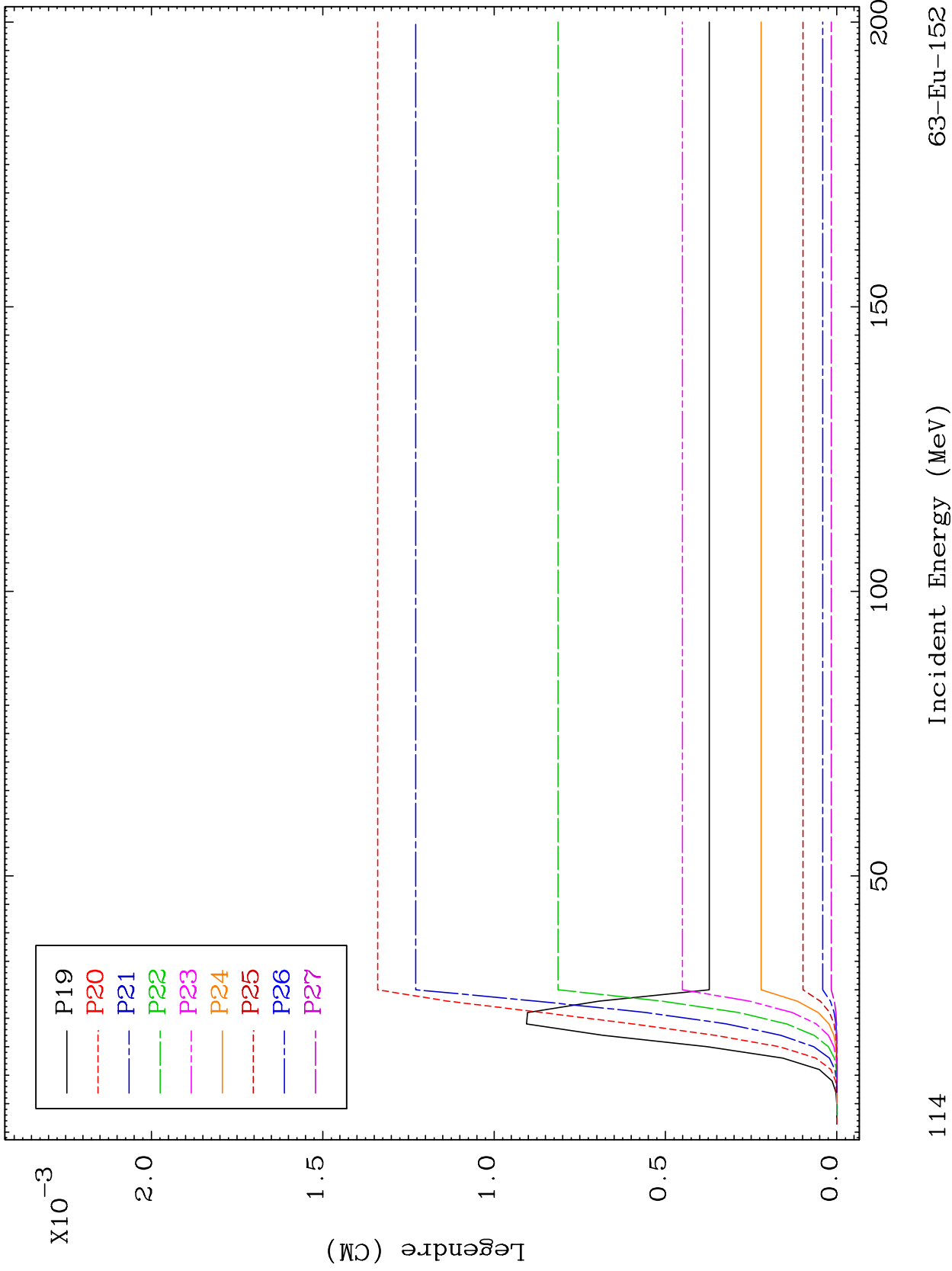
63-Eu-152



113

Incident Energy (MeV)

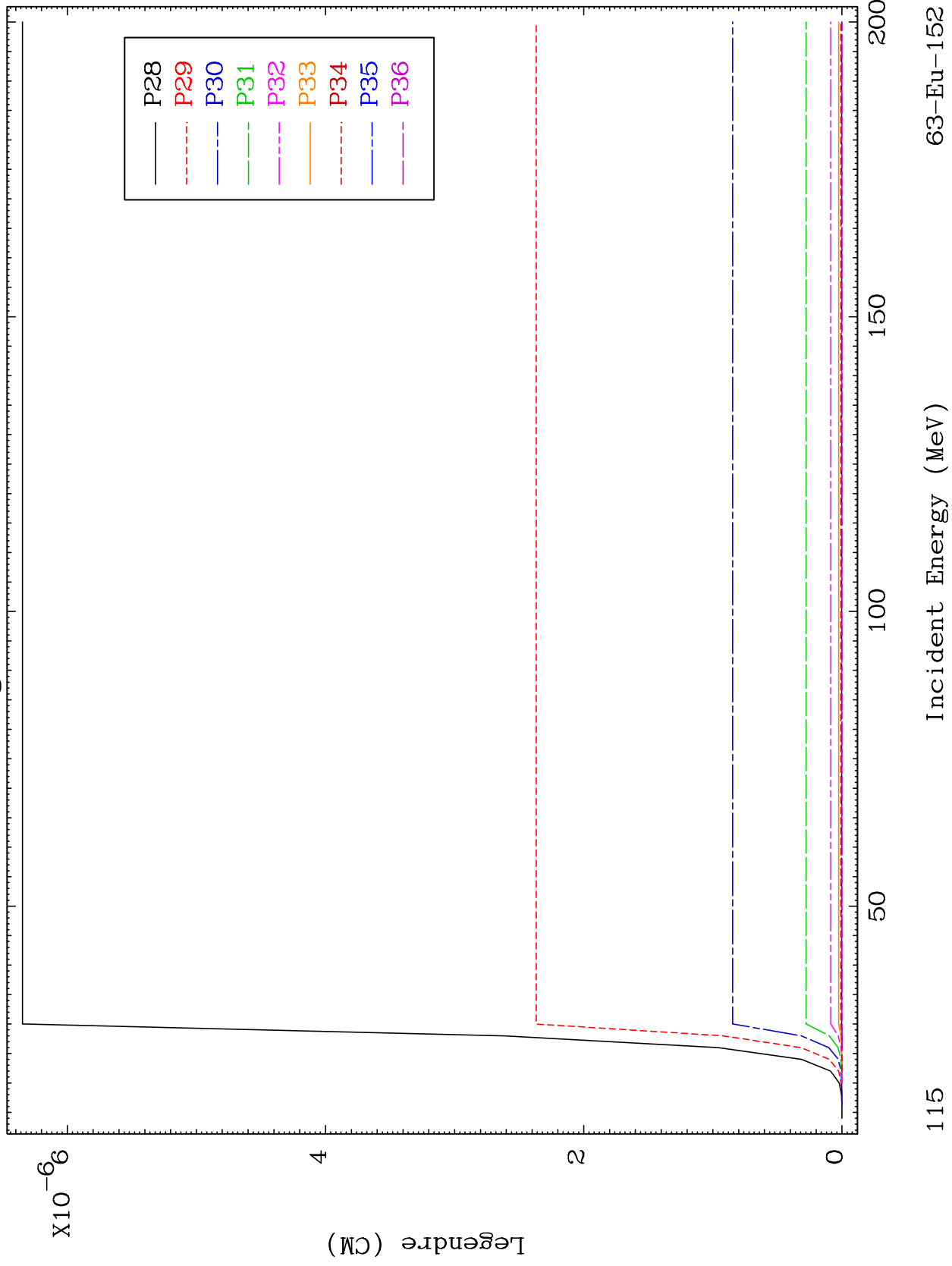
63-Eu-152



MAT 6328

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

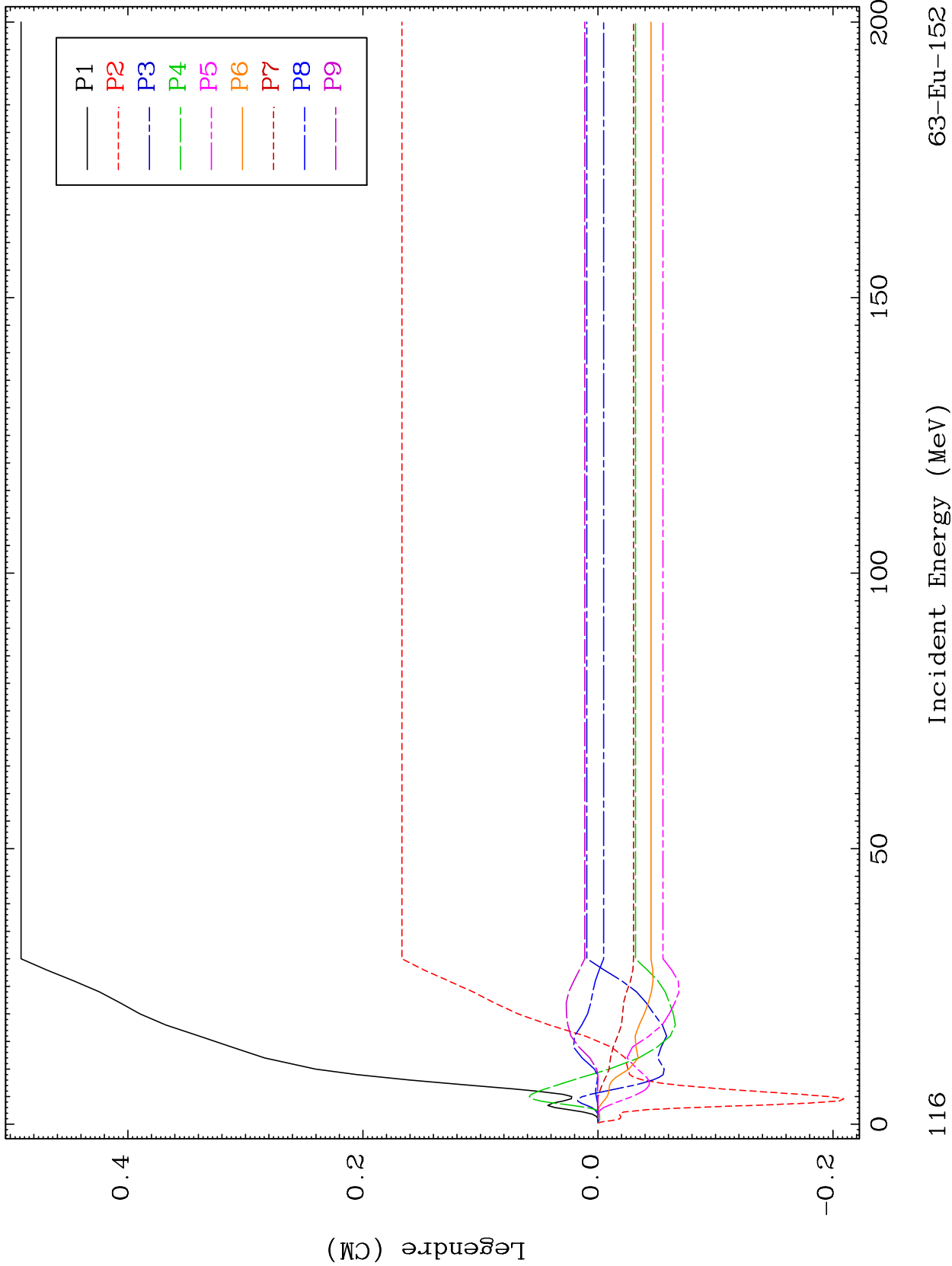
63-Eu-152



MAT 6328

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

63-Eu-152



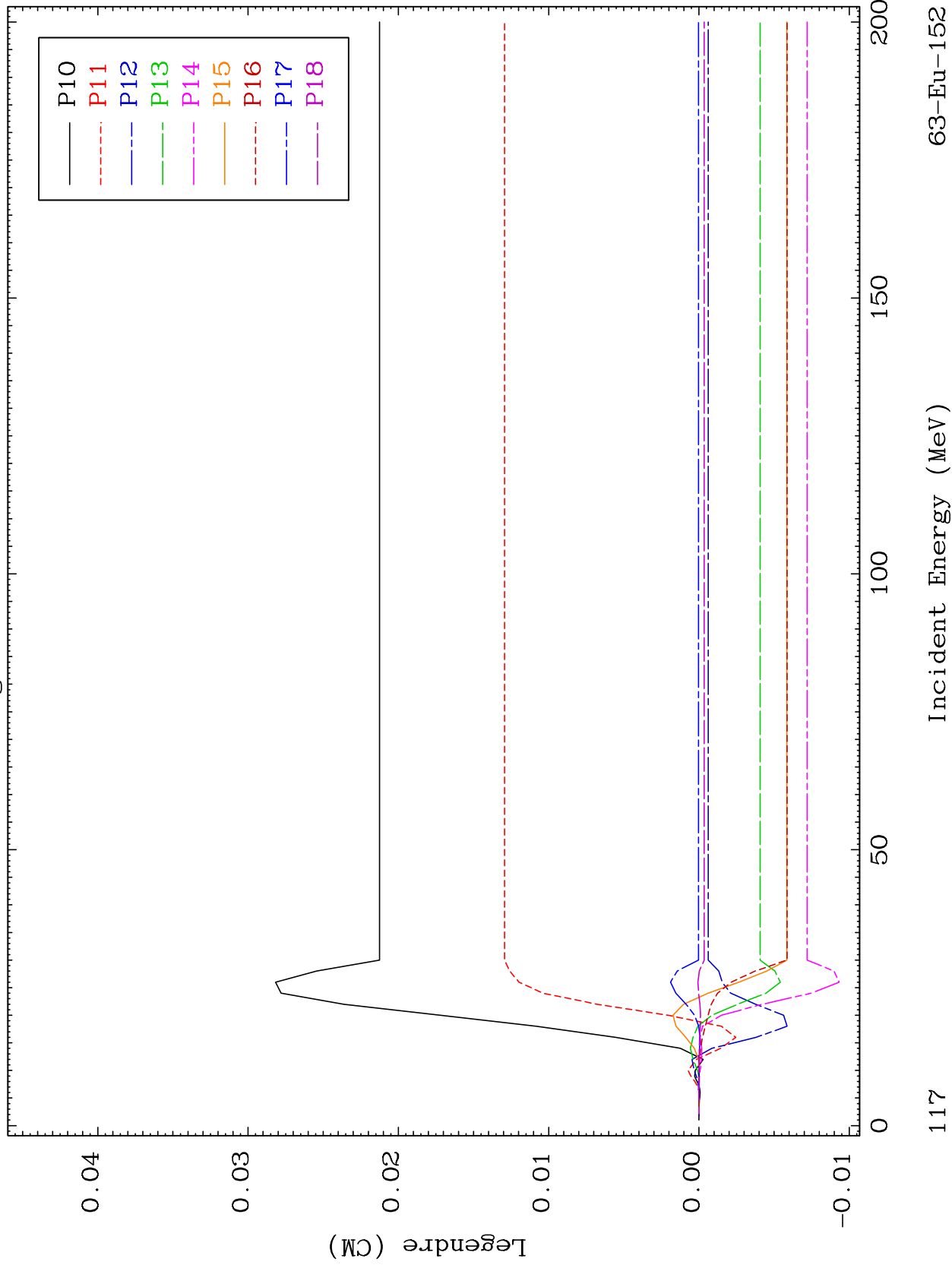
116

63-Eu-152

MAT 6328

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

63-Eu-152



117

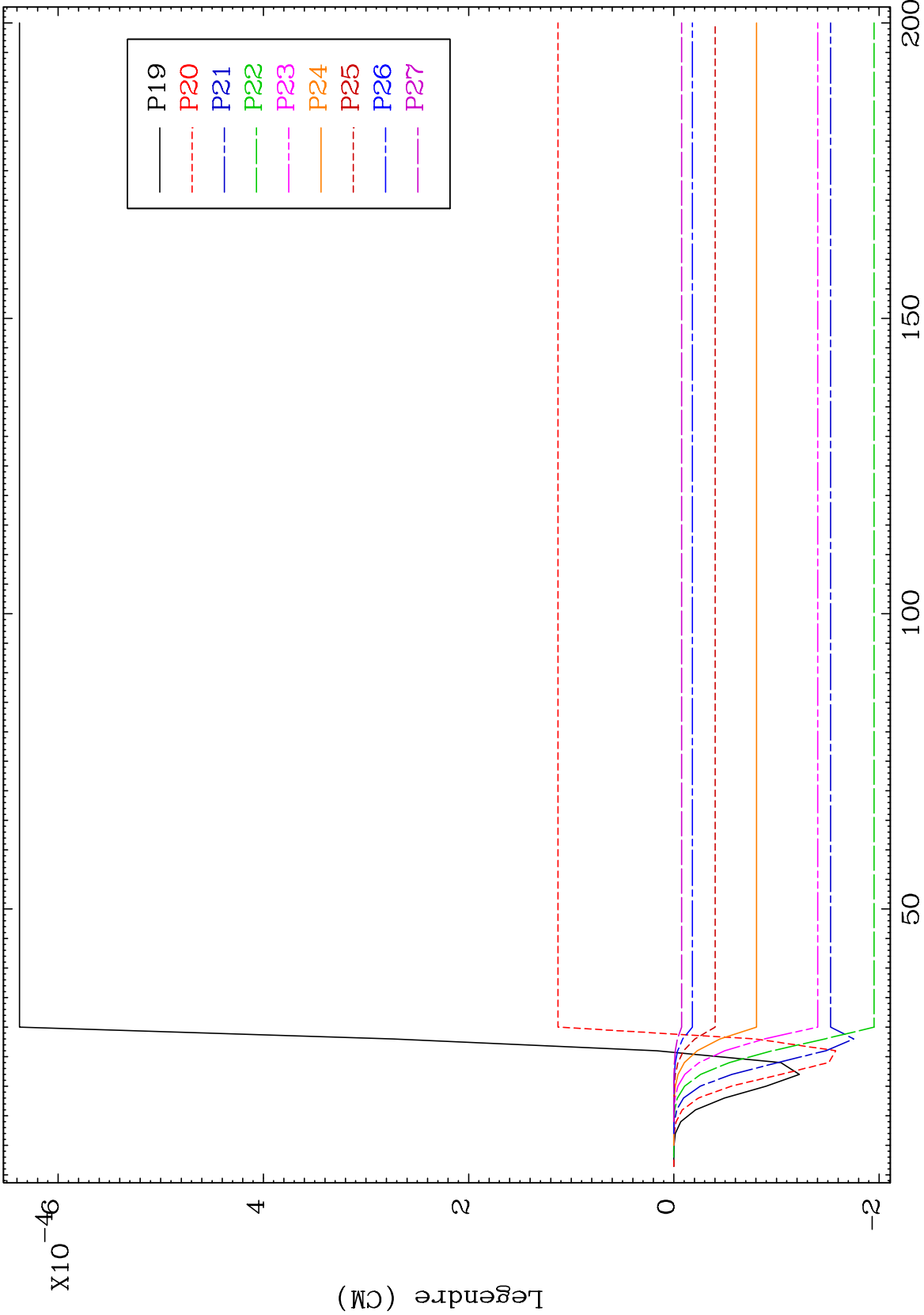
Incident Energy (MeV)

63-Eu-152

MAT 6328

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

63-Eu-152



118

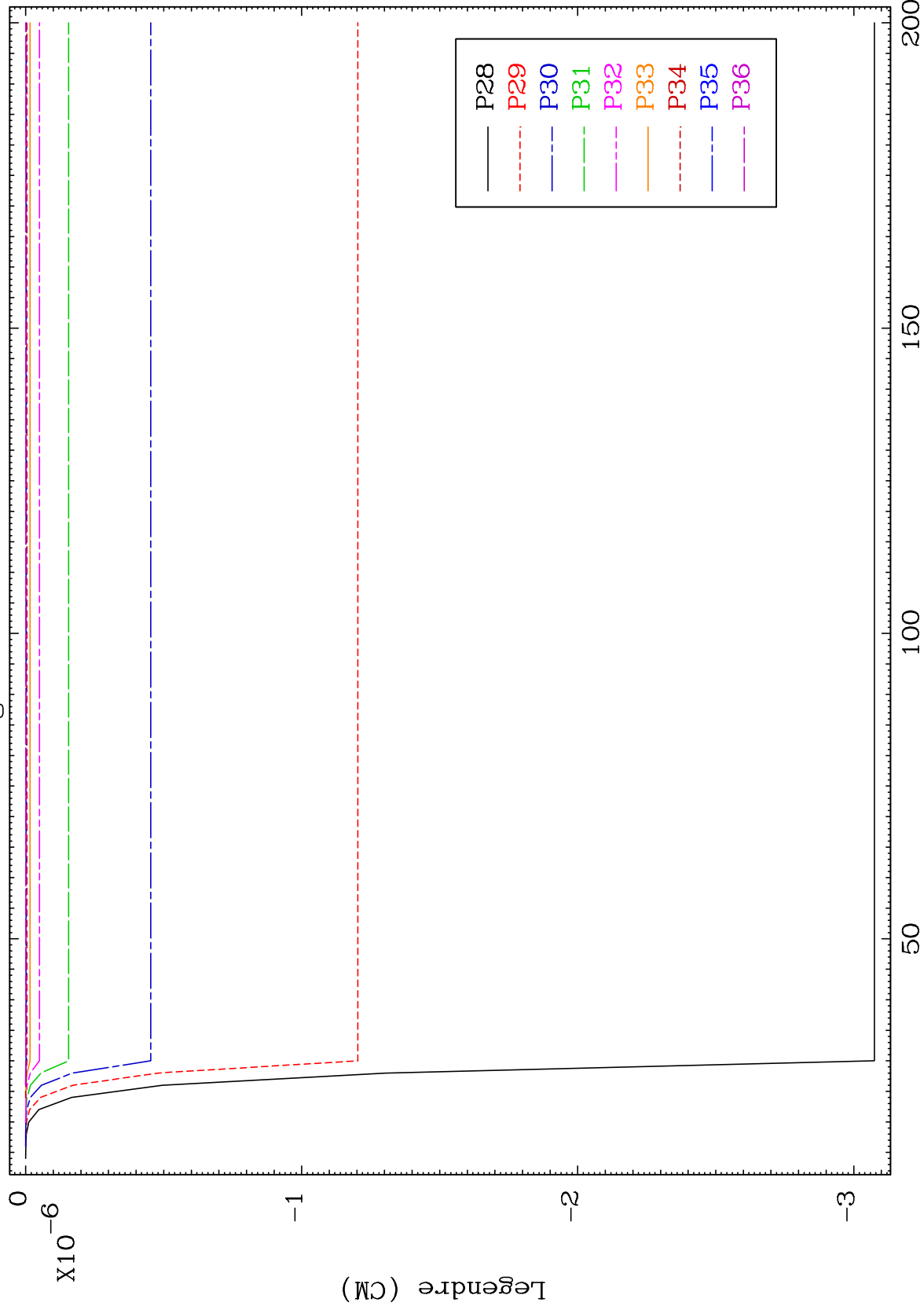
63-Eu-152

MAT 6328

MT= 79 (n,n') Level

63-Eu-152

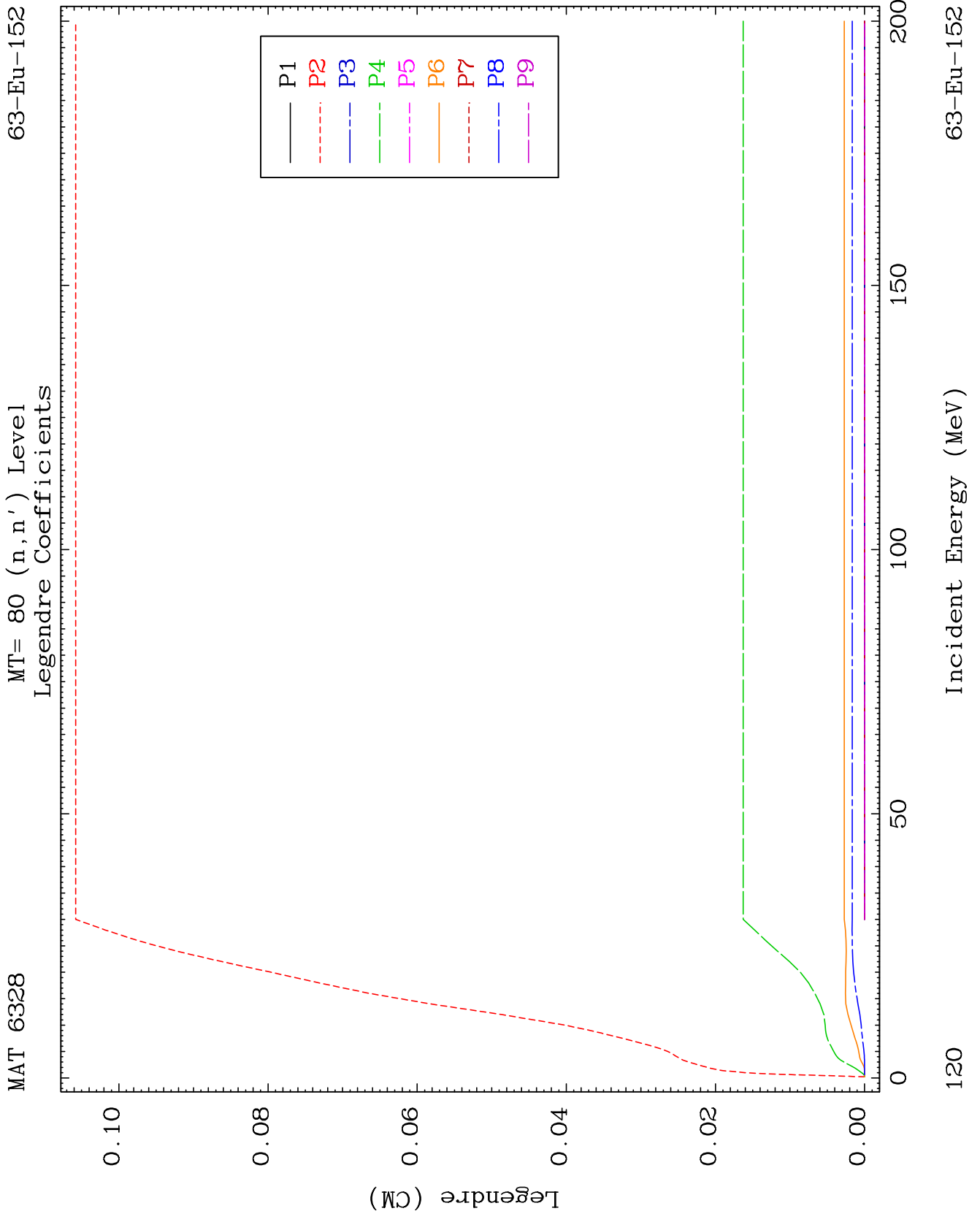
Legendre Coefficients



63-Eu-152

Incident Energy (MeV)

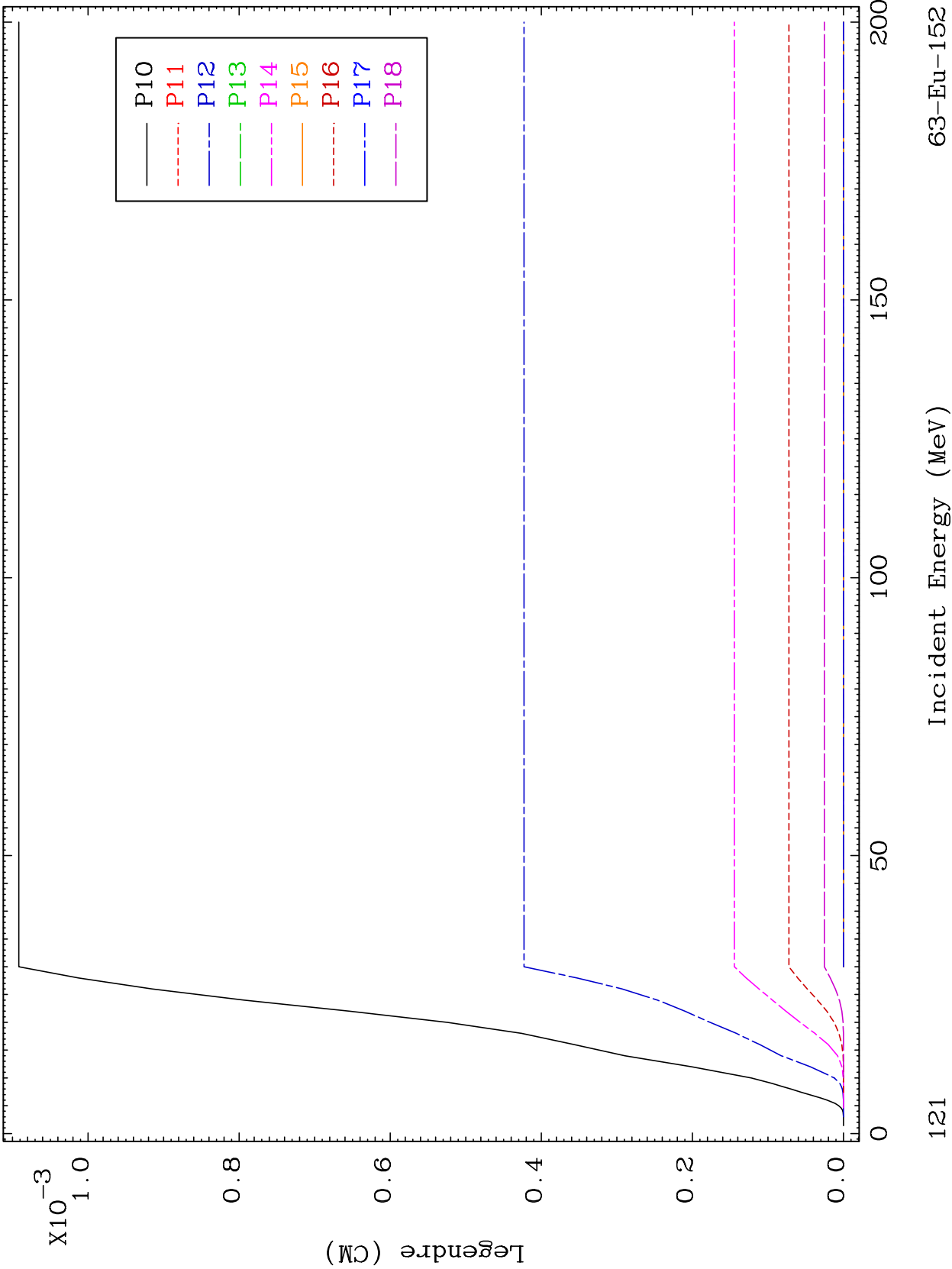
119



MAT 6328

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

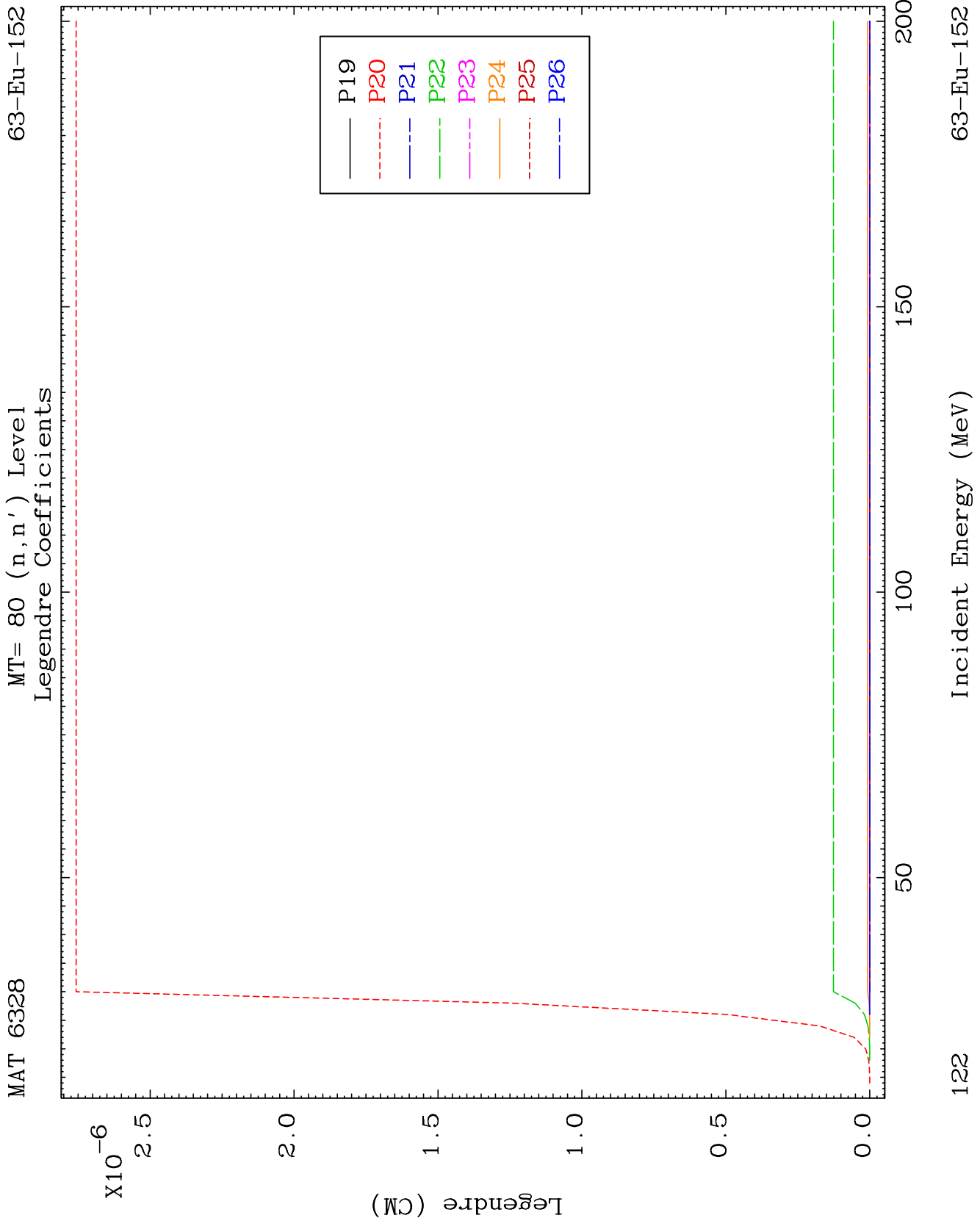
63-Eu-152



63-Eu-152

Incident Energy (MeV)

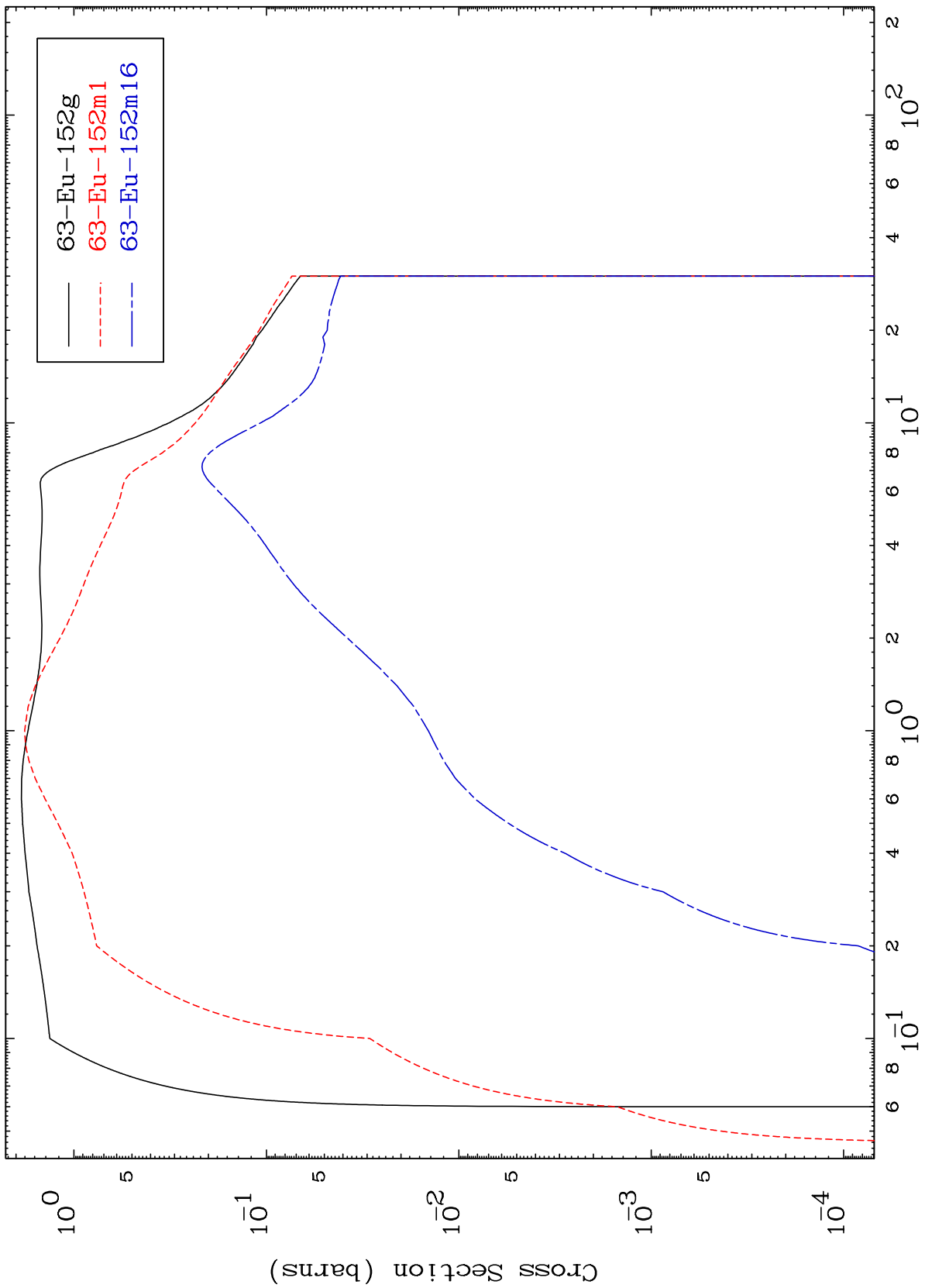
121



MAT 6328

63-Eu-152

Inelastic
Radionuclide Production Cross Section



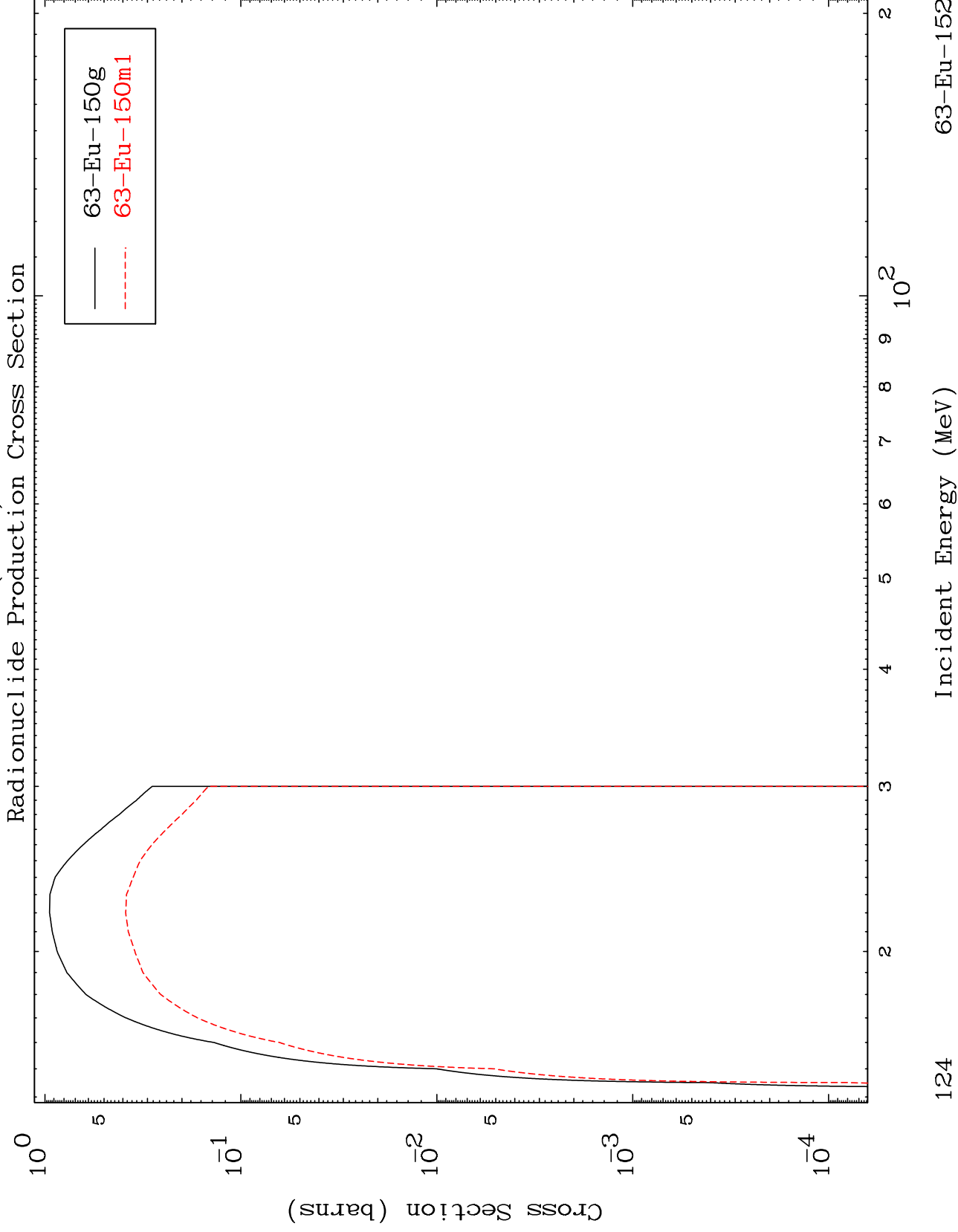
123

63-Eu-152

MAT 6328

(n,3n)

63-Eu-152



124

Incident Energy (MeV)

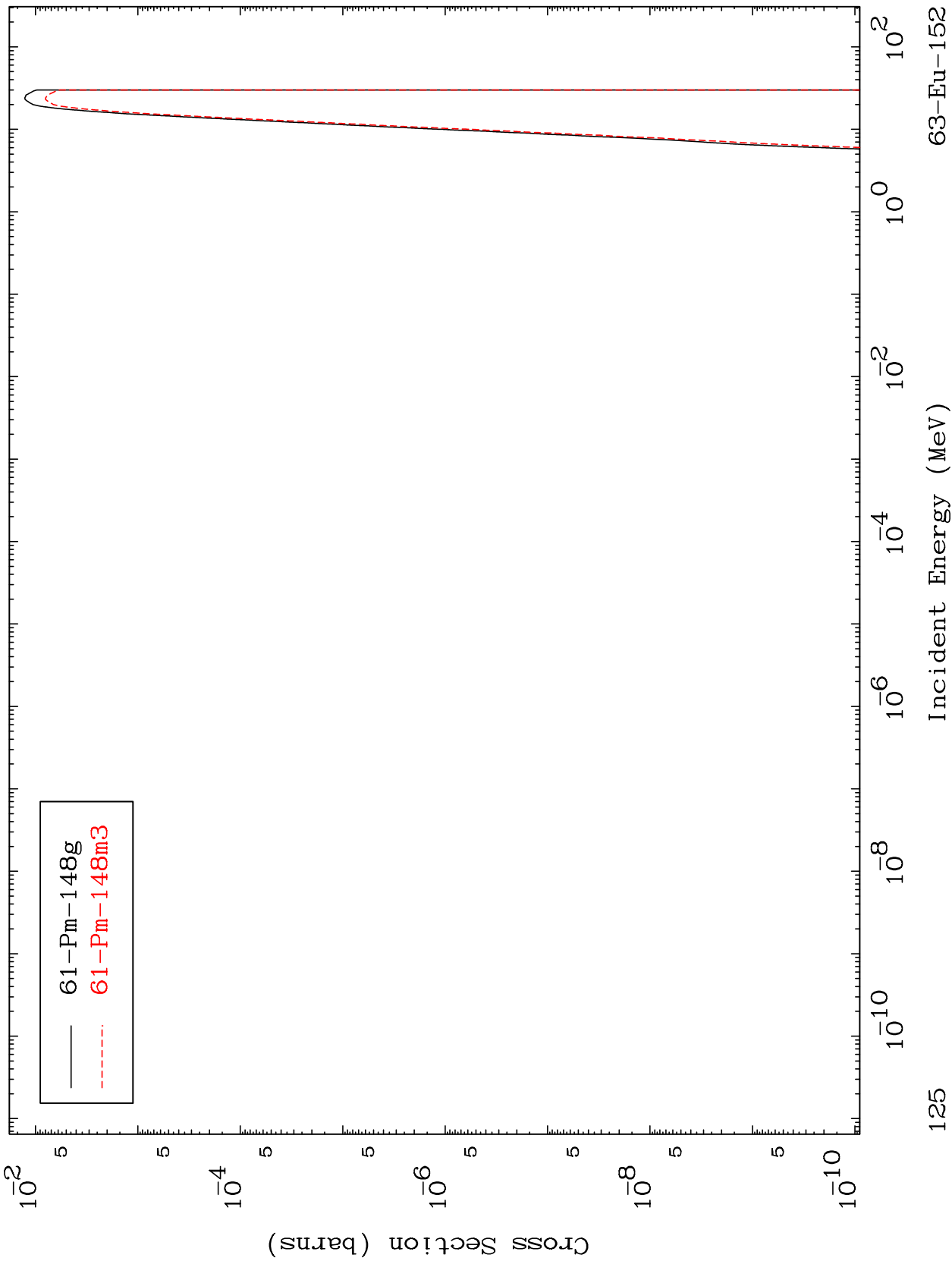
63-Eu-152

MAT 6328

$(n, n') \alpha$

63-Eu-152

Radionuclide Production Cross Section



125

Incident Energy (MeV)

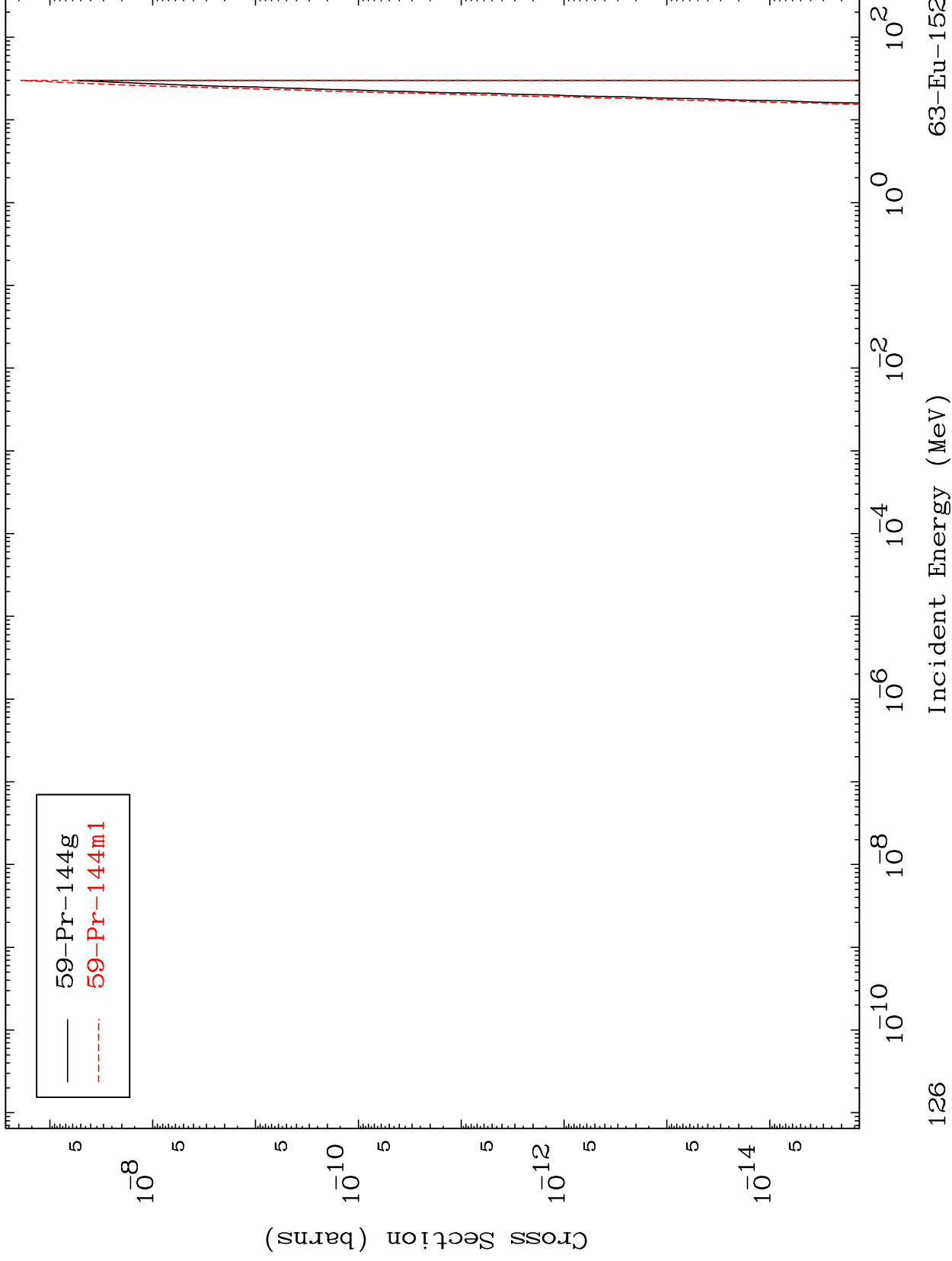
63-Eu-152

MAT 6328

(n,n') 2 α

63-Eu-152

Radionuclide Production Cross Section



126

Incident Energy (MeV)

63-Eu-152