

Program EVALPLOT
(Version 2018-1)

by

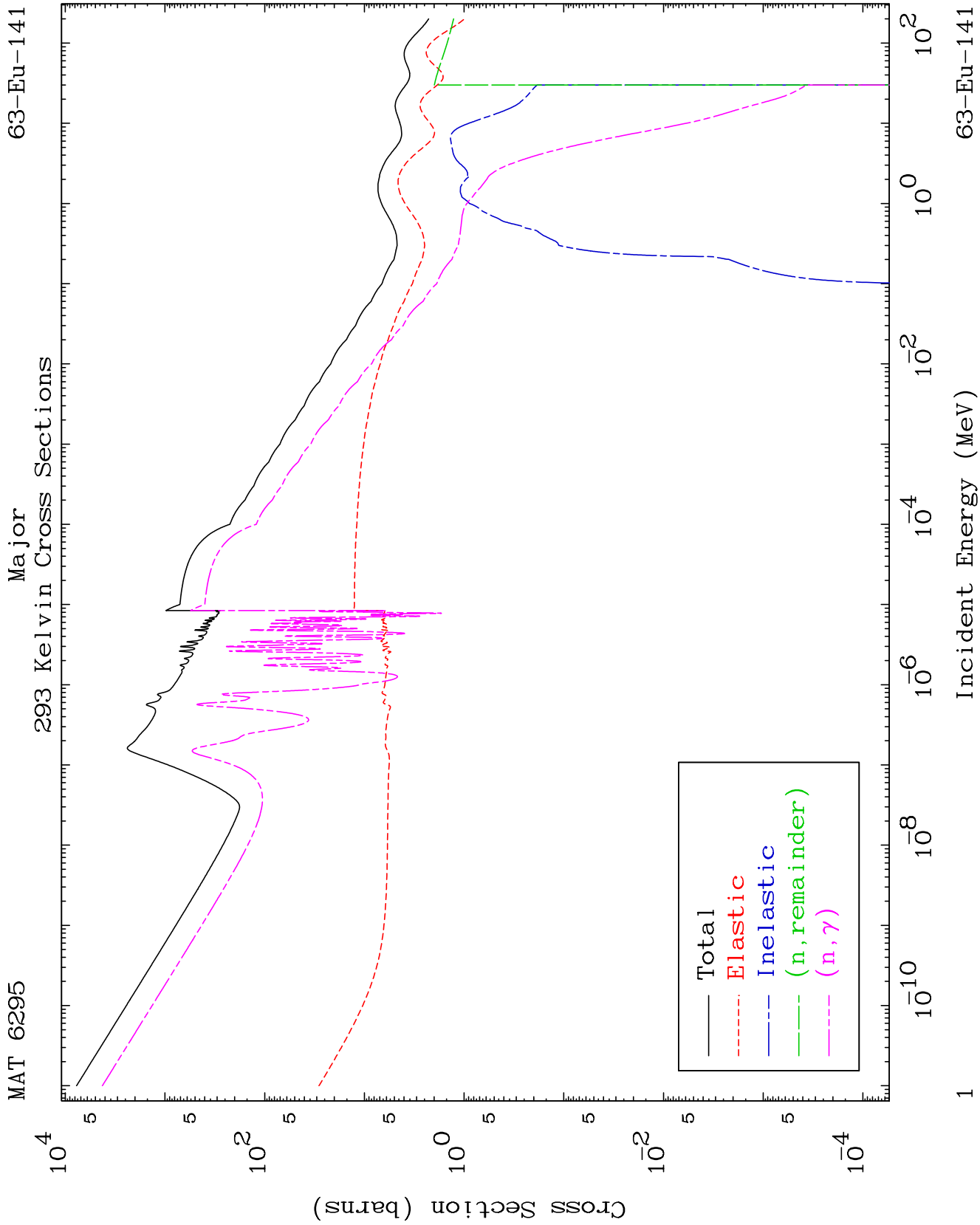
Dermott E. Cullen
(Present Contact Information)

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E.Mail:redcullen1@comcast.net
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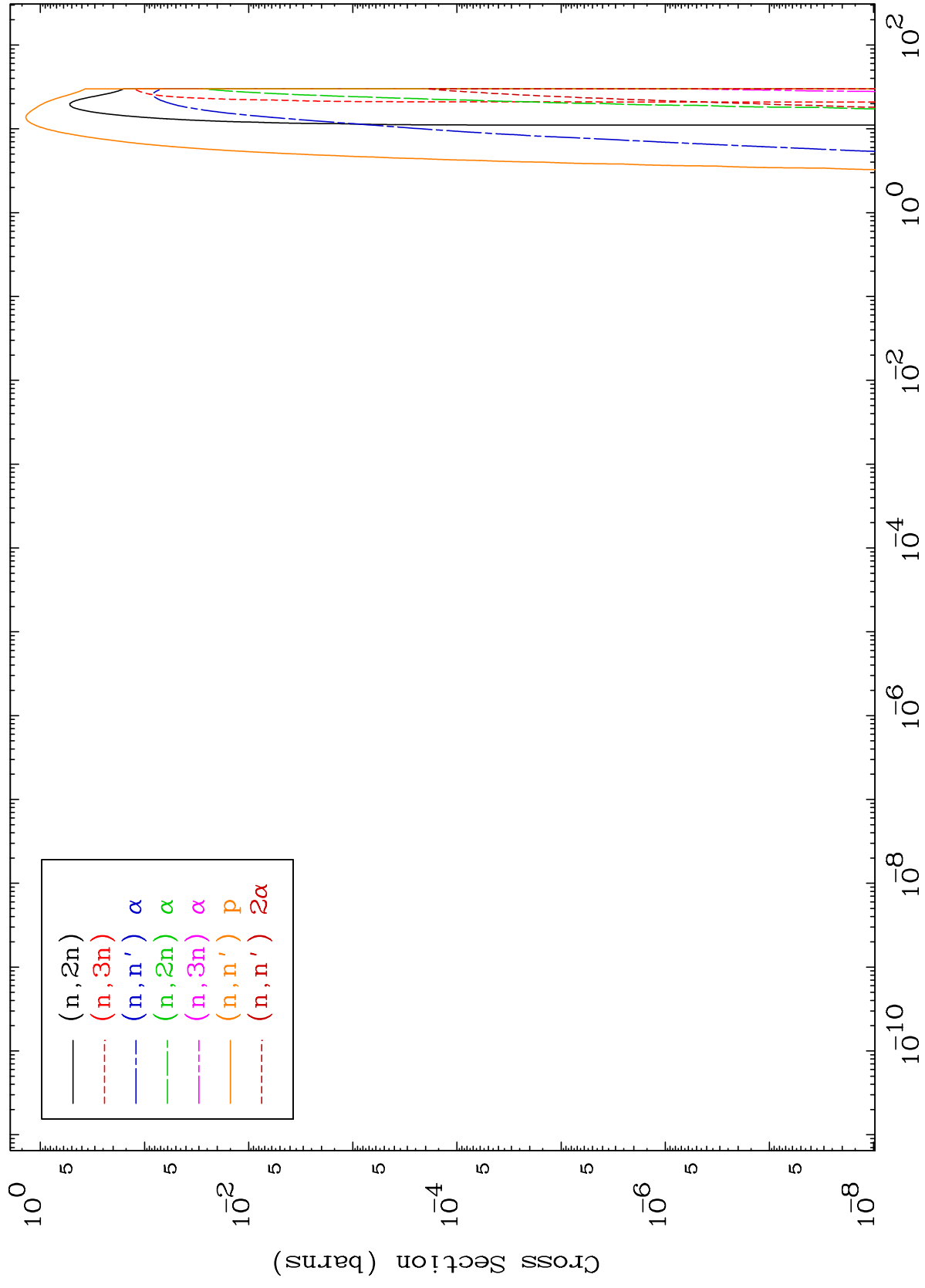
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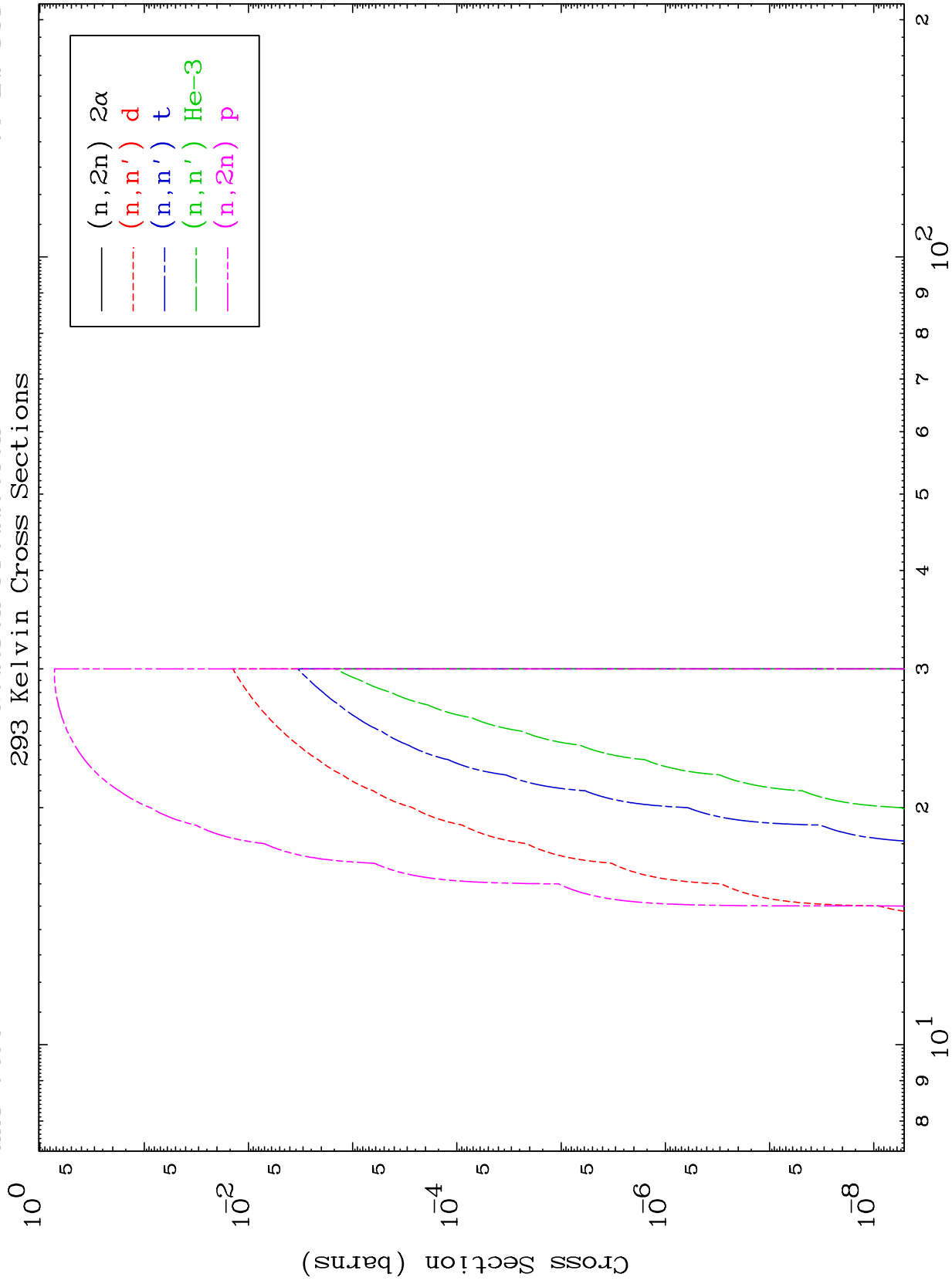


MAT 6295

Neutron Production
293 Kelvin Cross Sections

63-Eu-141

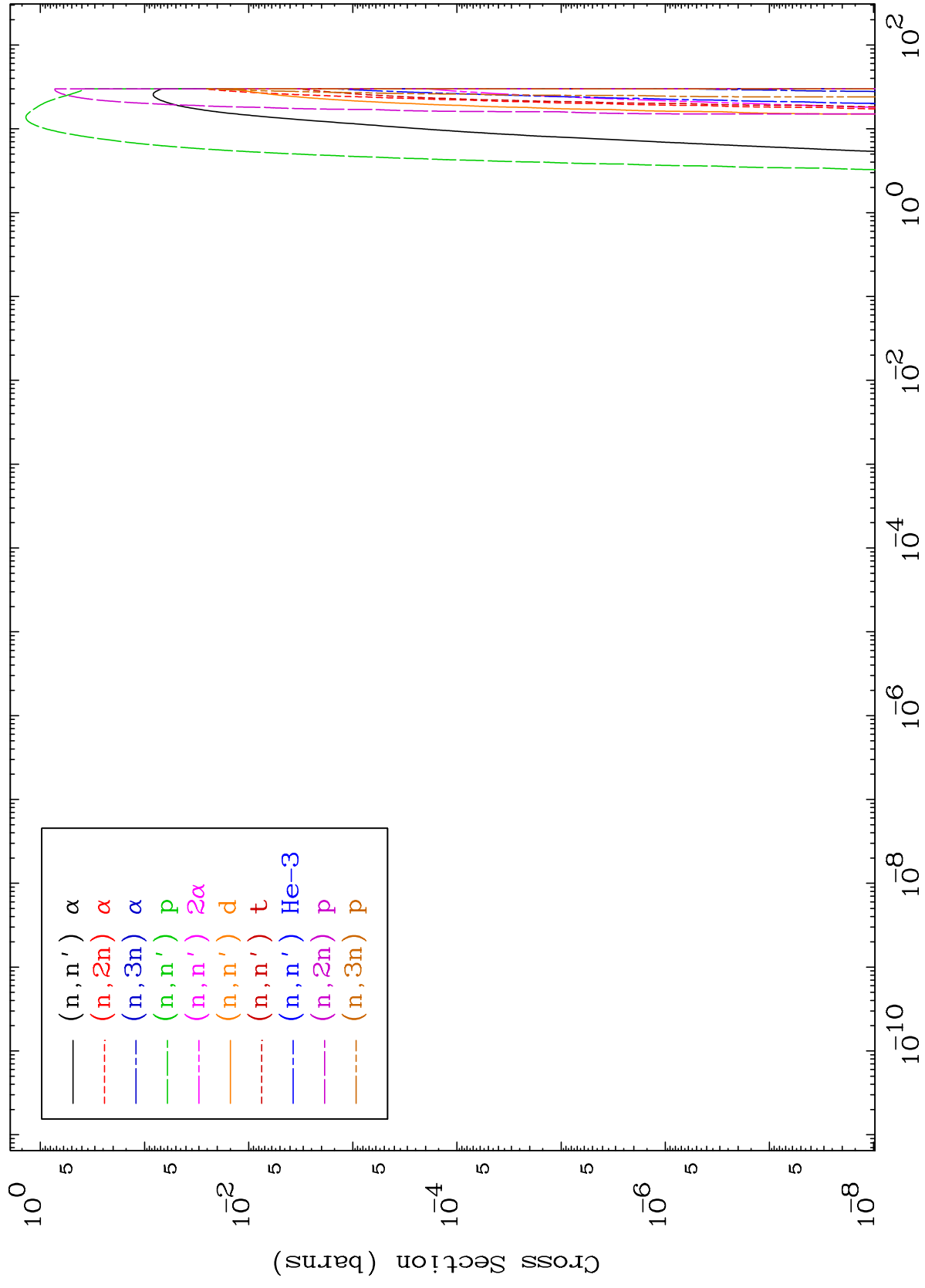




MAT 6295

Charged Particle
293 Kelvin Cross Sections

63-Eu-141

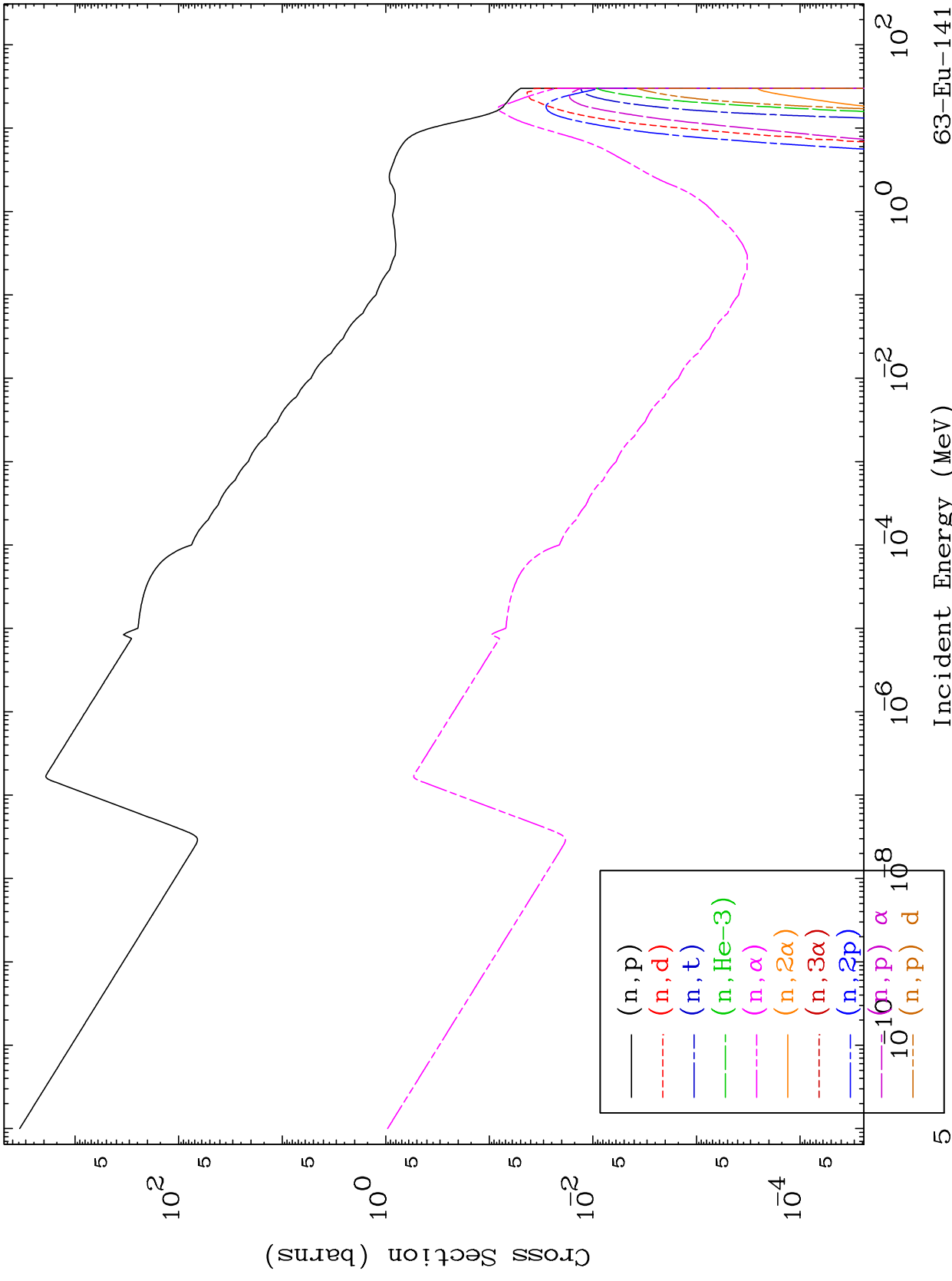


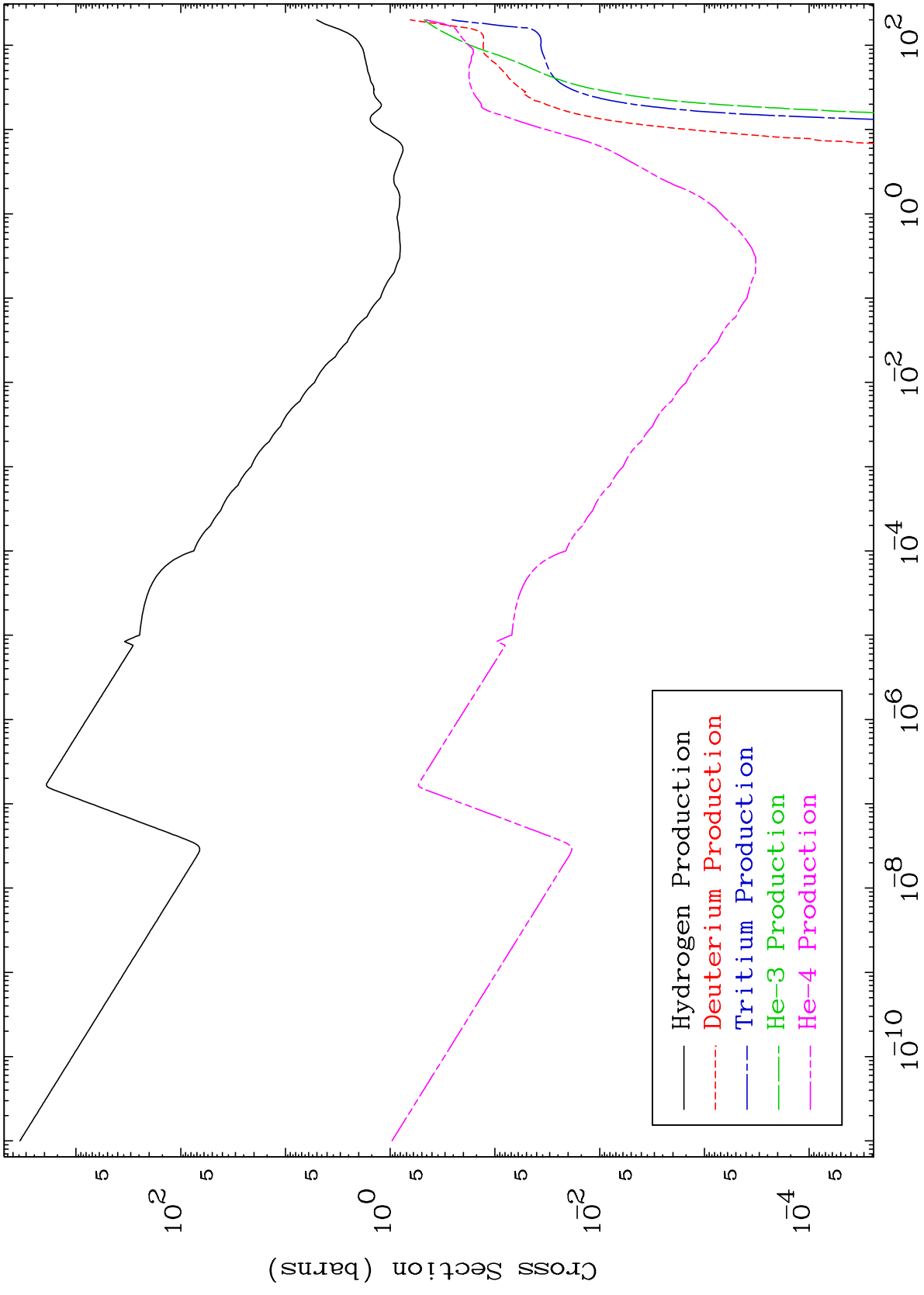
63-Eu-141

MAT 6295

293 Kelvin Cross Sections

63-Eu-141



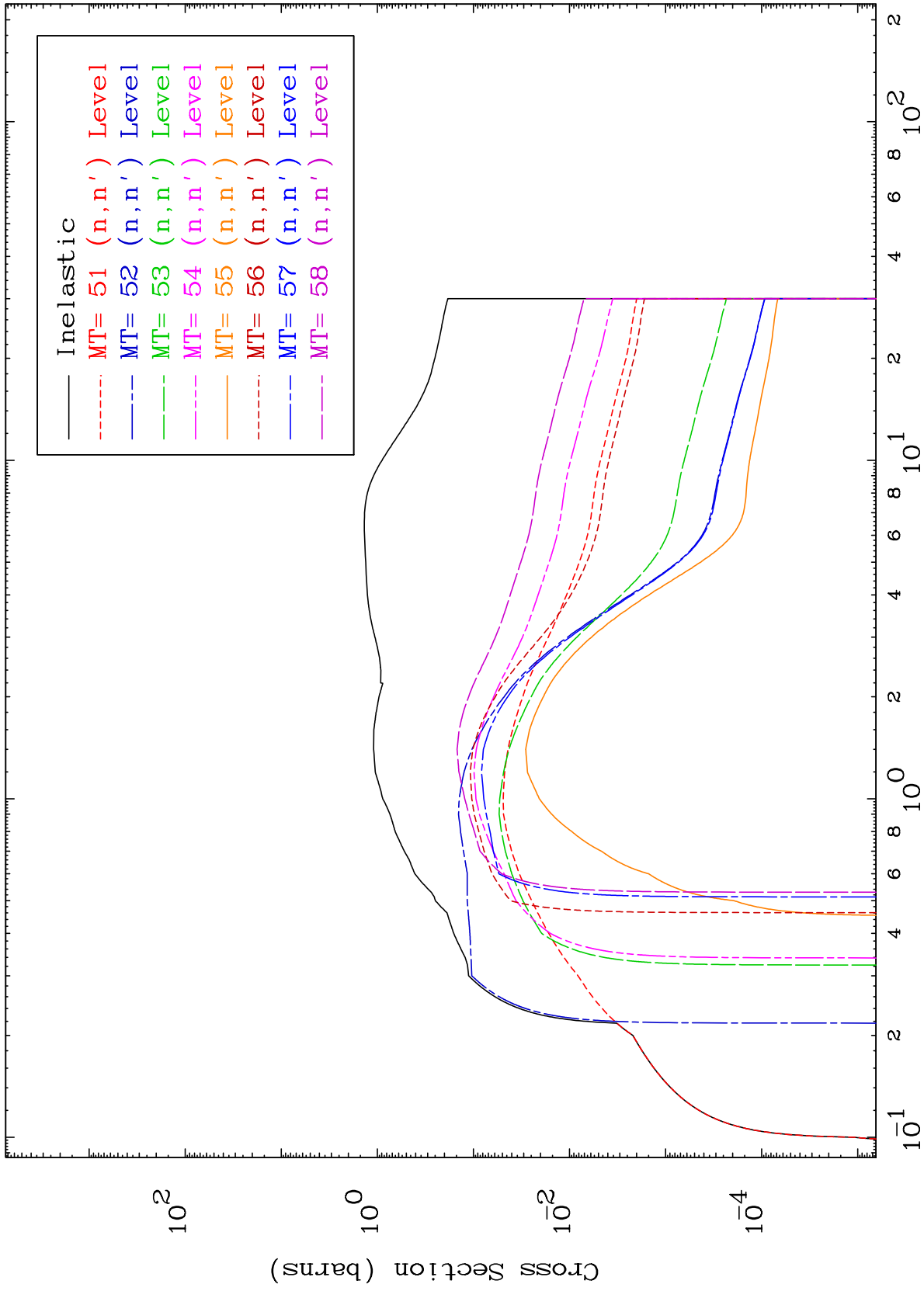


MAT 6295

(n,n') Level

63-Eu-141

293 Kelvin Cross Sections



7

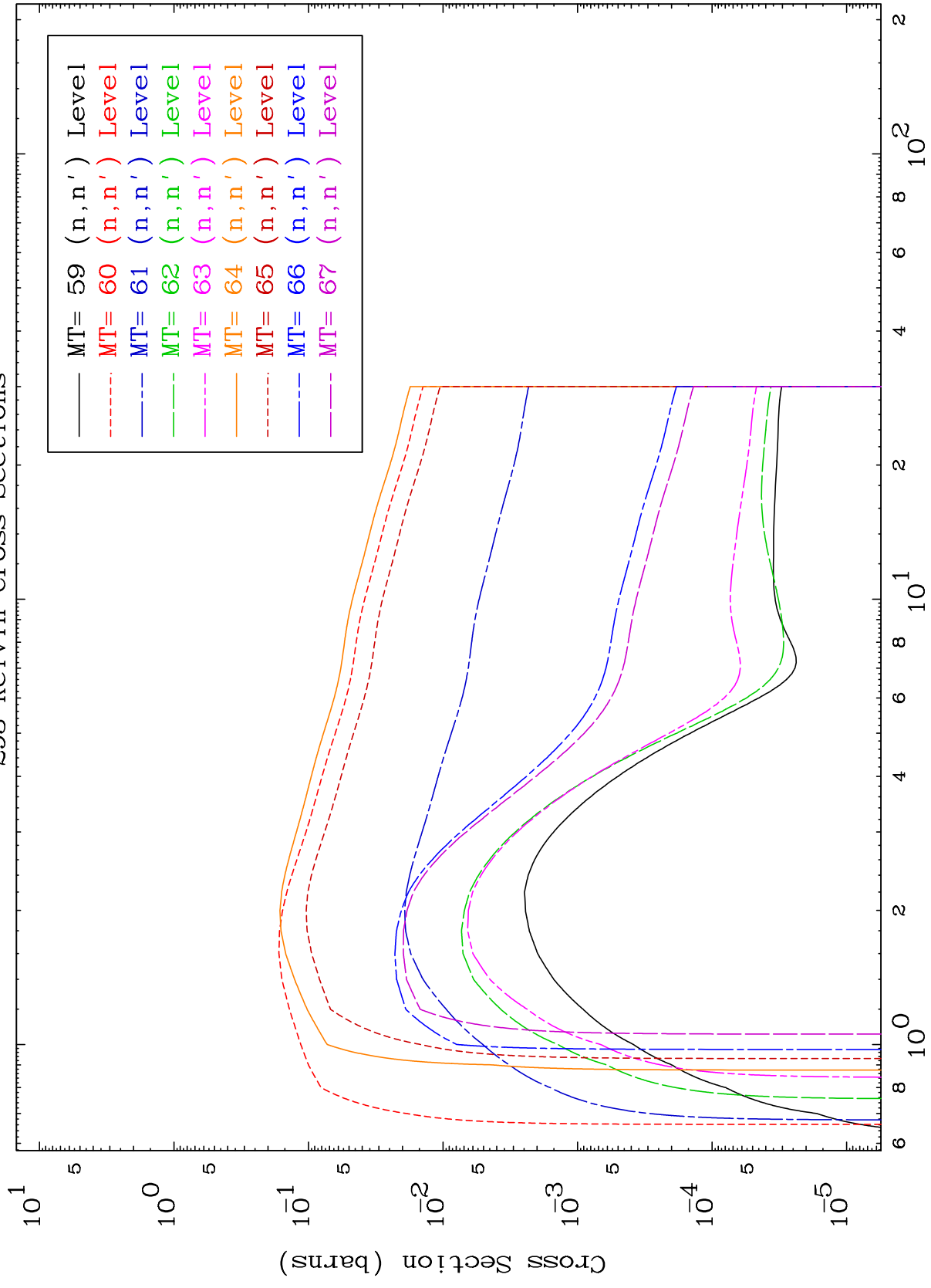
Incident Energy (MeV)

63-Eu-141

MAT 6295

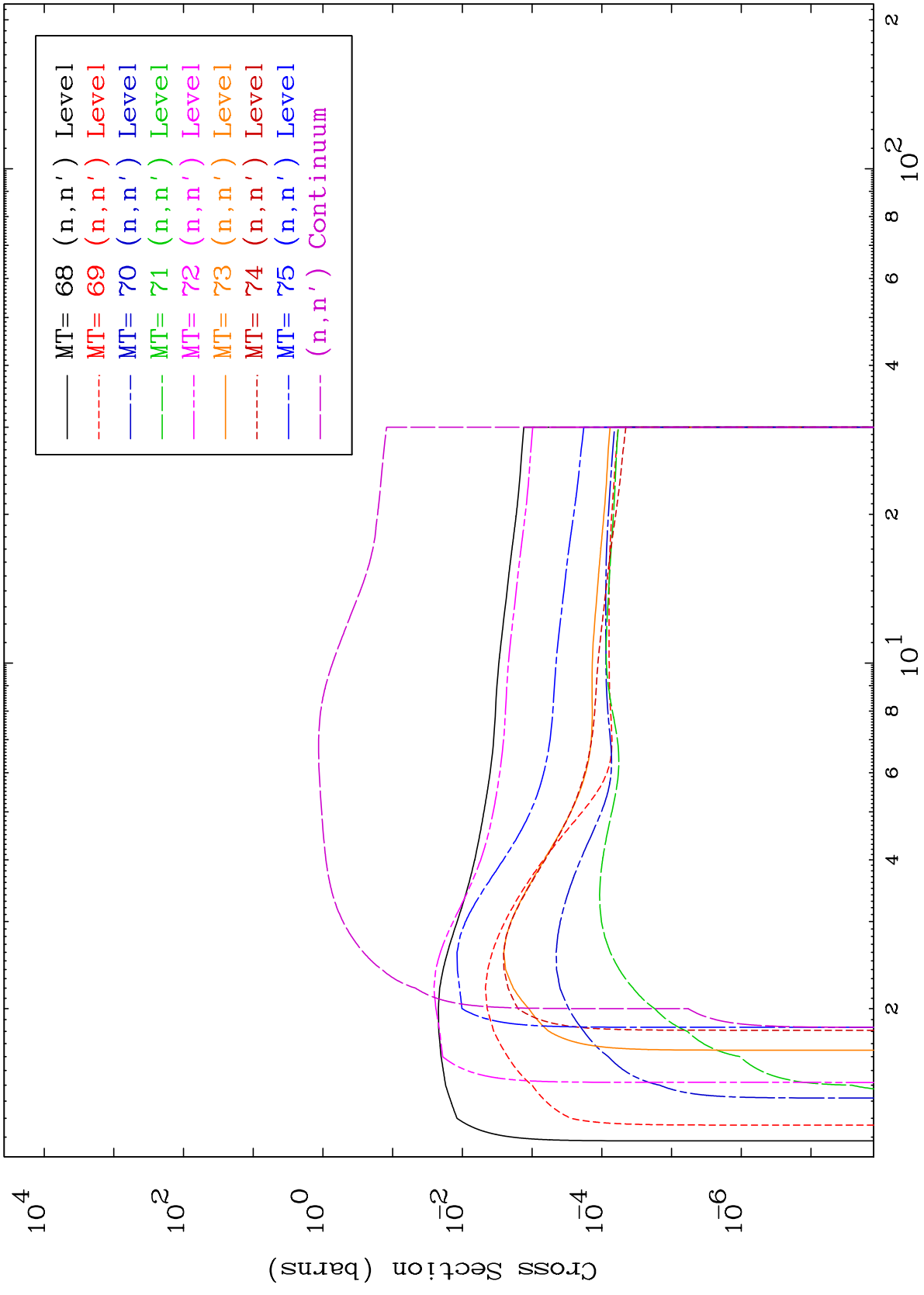
(n,n') Level
293 Kelvin Cross Sections

63-Eu-141



Incident Energy (MeV)

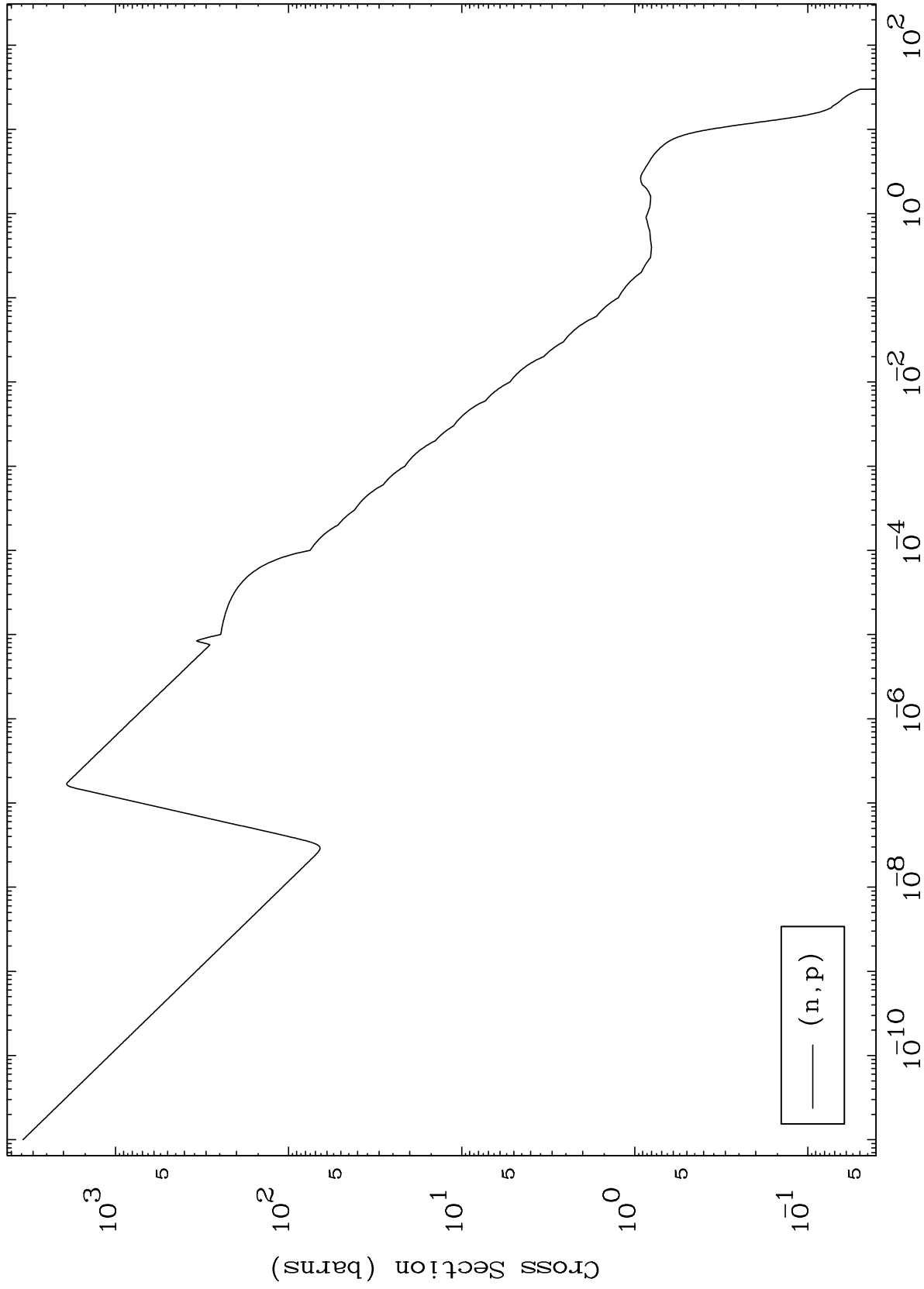
63-Eu-141



MAT 6295

(n,p) Levels
293 Kelvin Cross Sections

63-Eu-141



10

Incident Energy (MeV)

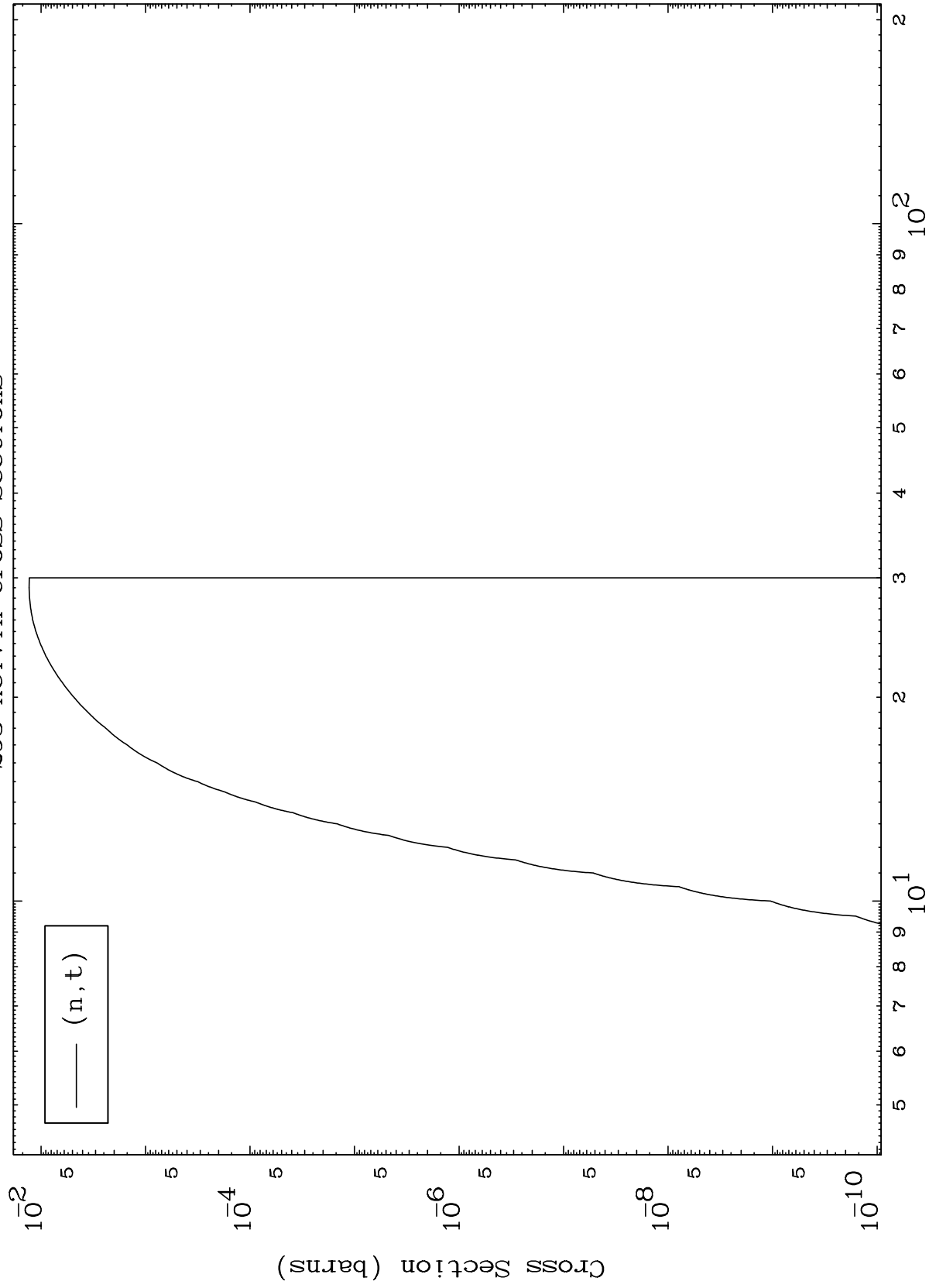
63-Eu-141

— (n,p)

MAT 6295

(n,t) Levels
293 Kelvin Cross Sections

63-Eu-141



12

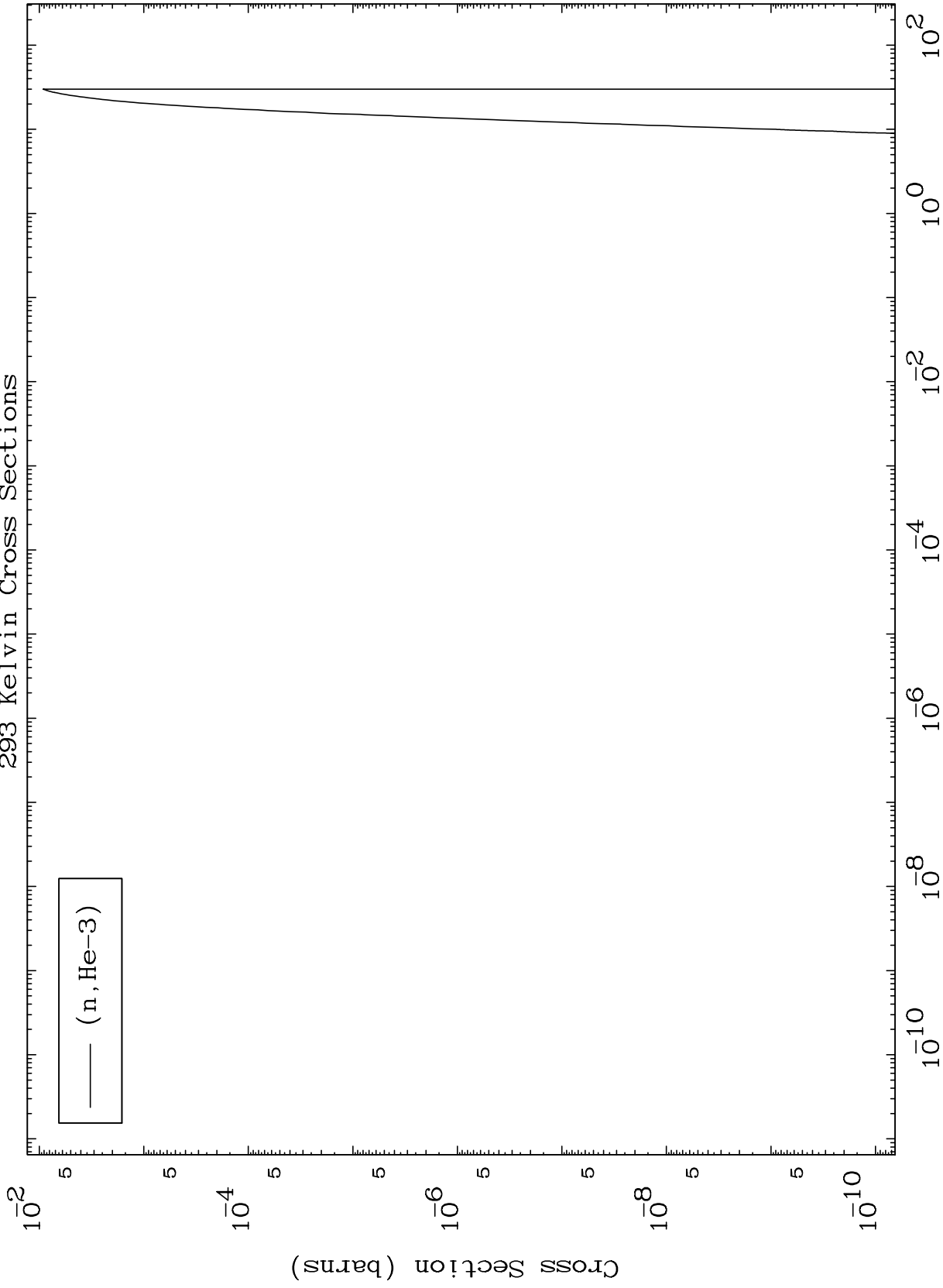
Incident Energy (MeV)

63-Eu-141

MAT 6295

(n,He3) Levels
293 Kelvin Cross Sections

63-Eu-141



13

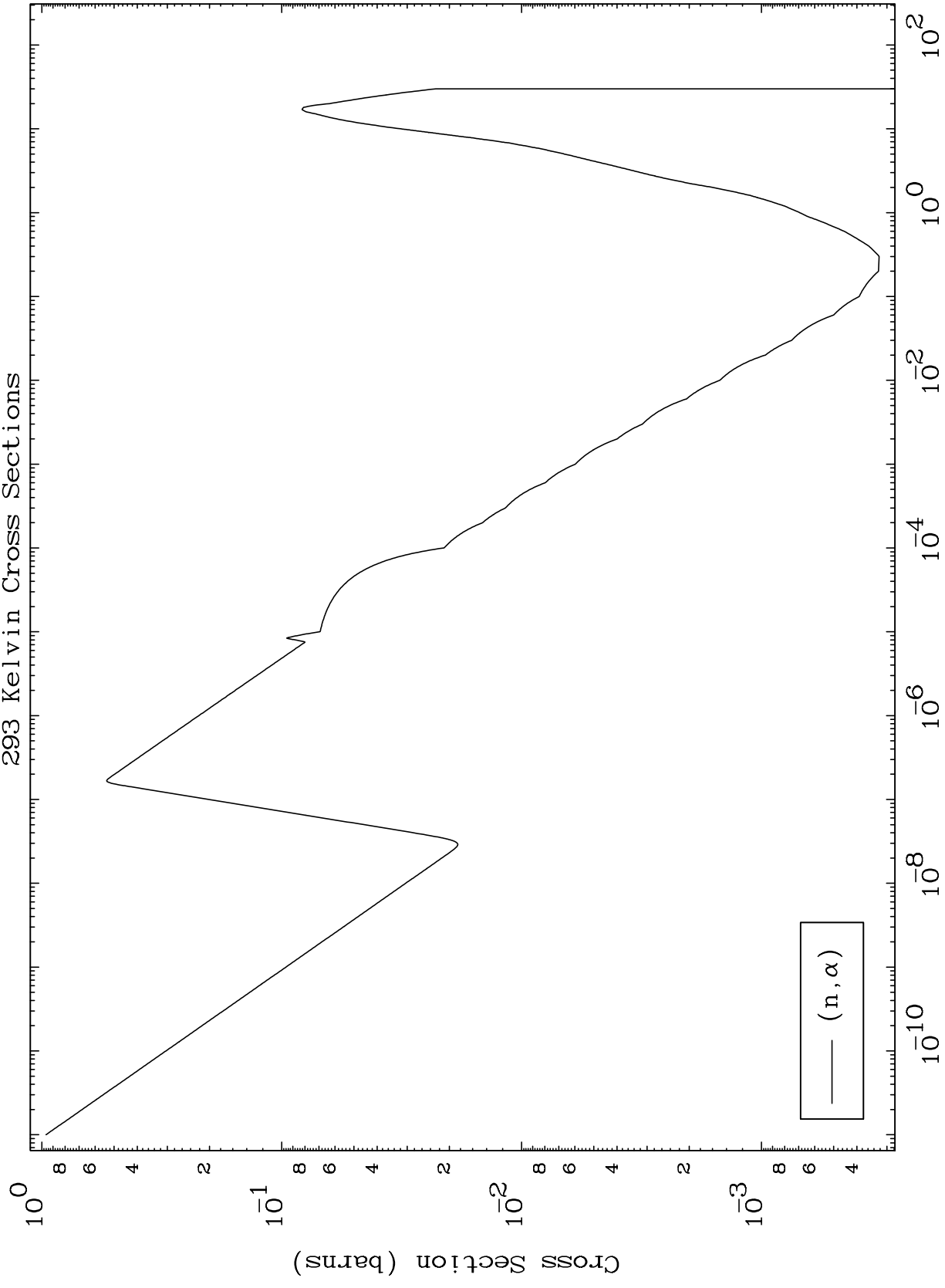
Incident Energy (MeV)

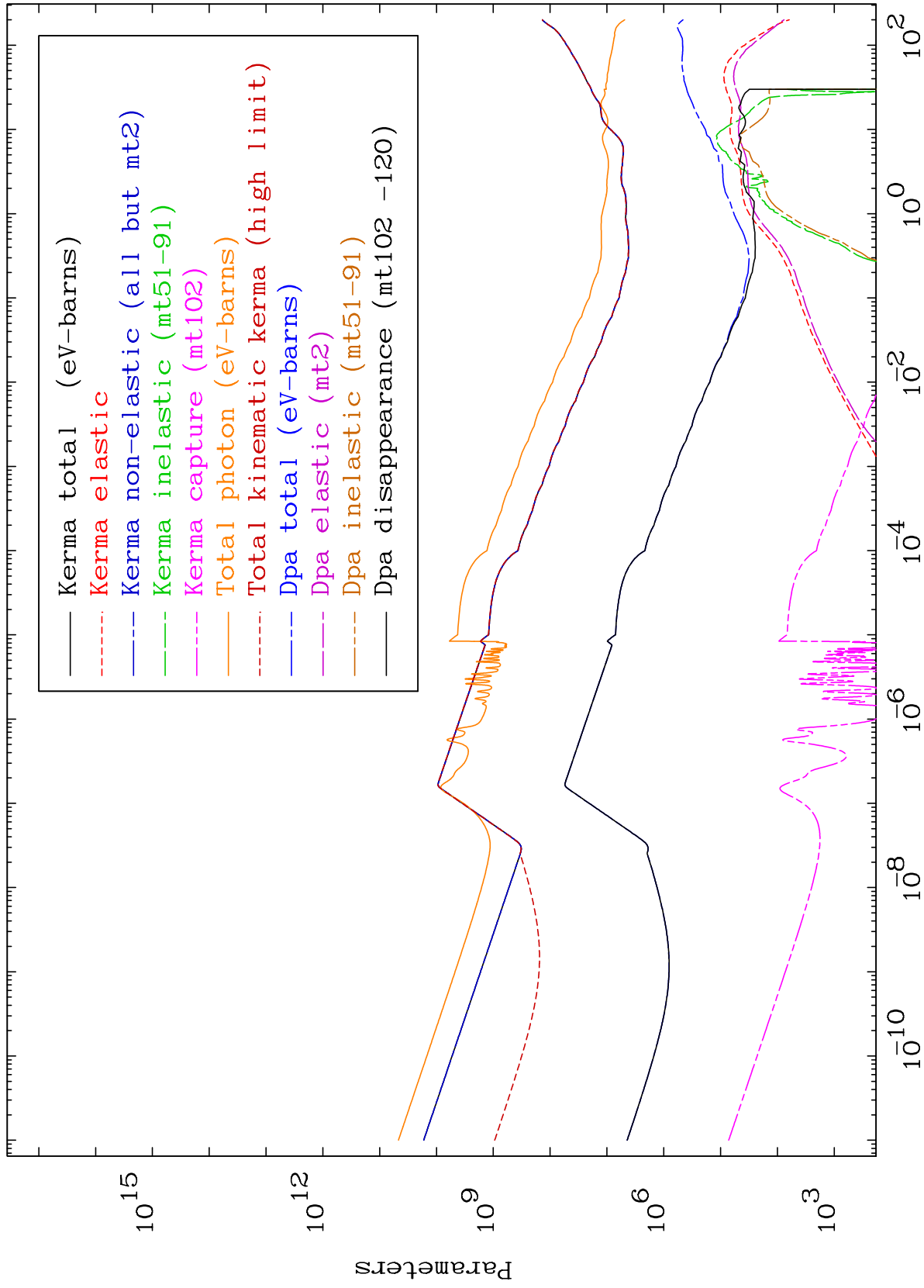
63-Eu-141

MAT 6295

(n,α) Levels
293 Kelvin Cross Sections

63-Eu-141

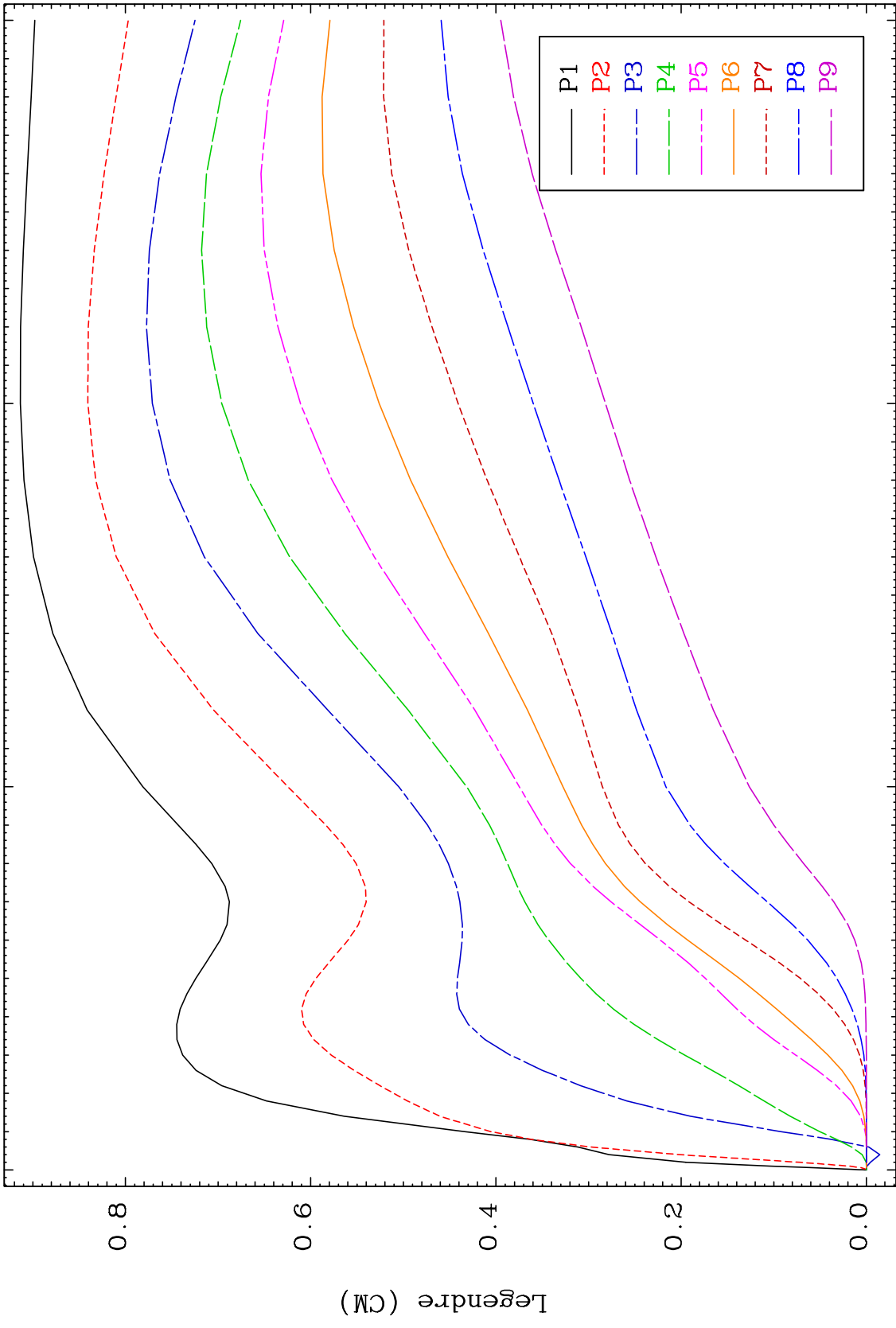




MAT 6295

Elastic Legendre Coefficients

63-Eu-141



16

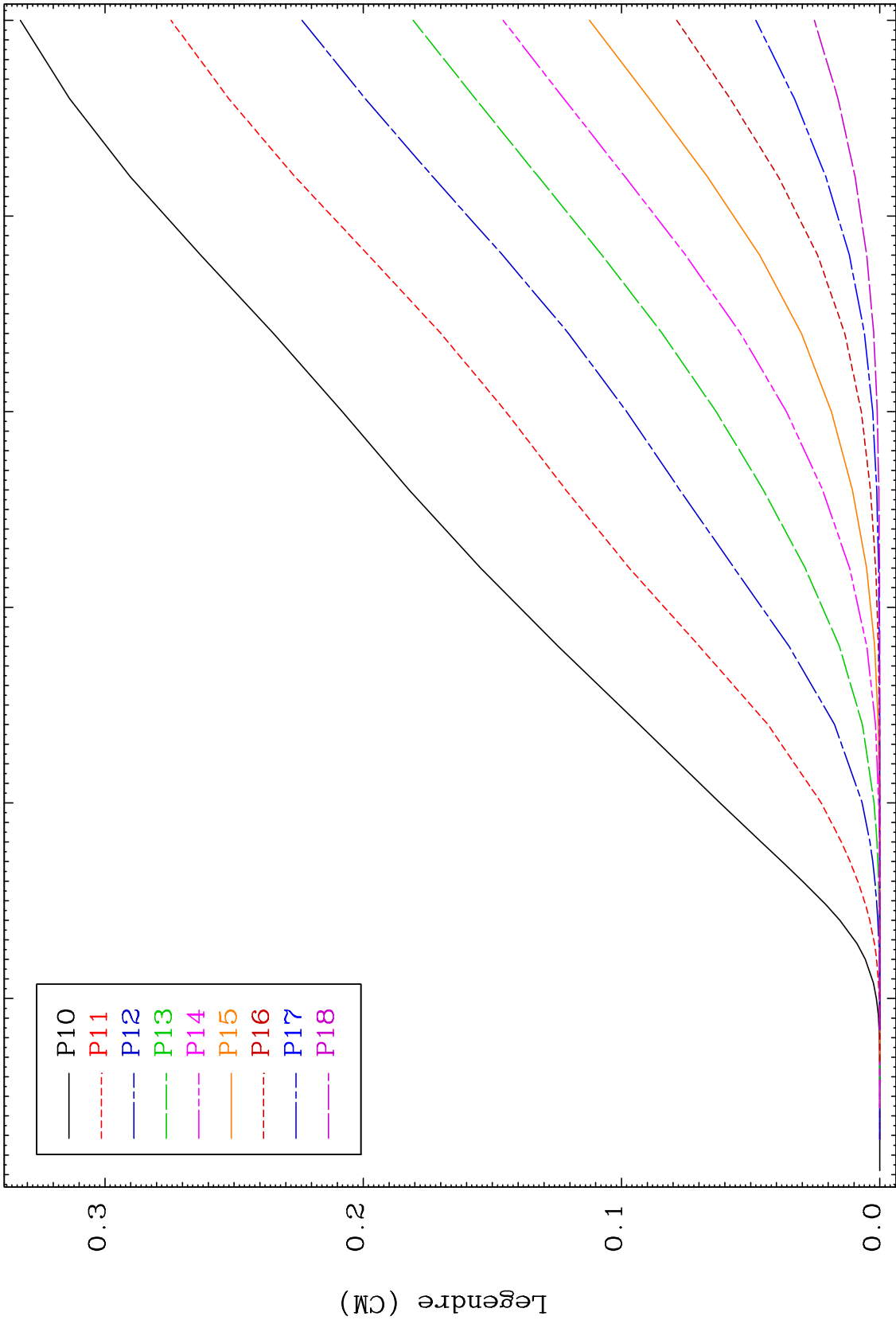
Incident Energy (MeV)

63-Eu-141

MAT 6295

Elastic Legendre Coefficients

63-Eu-141



17

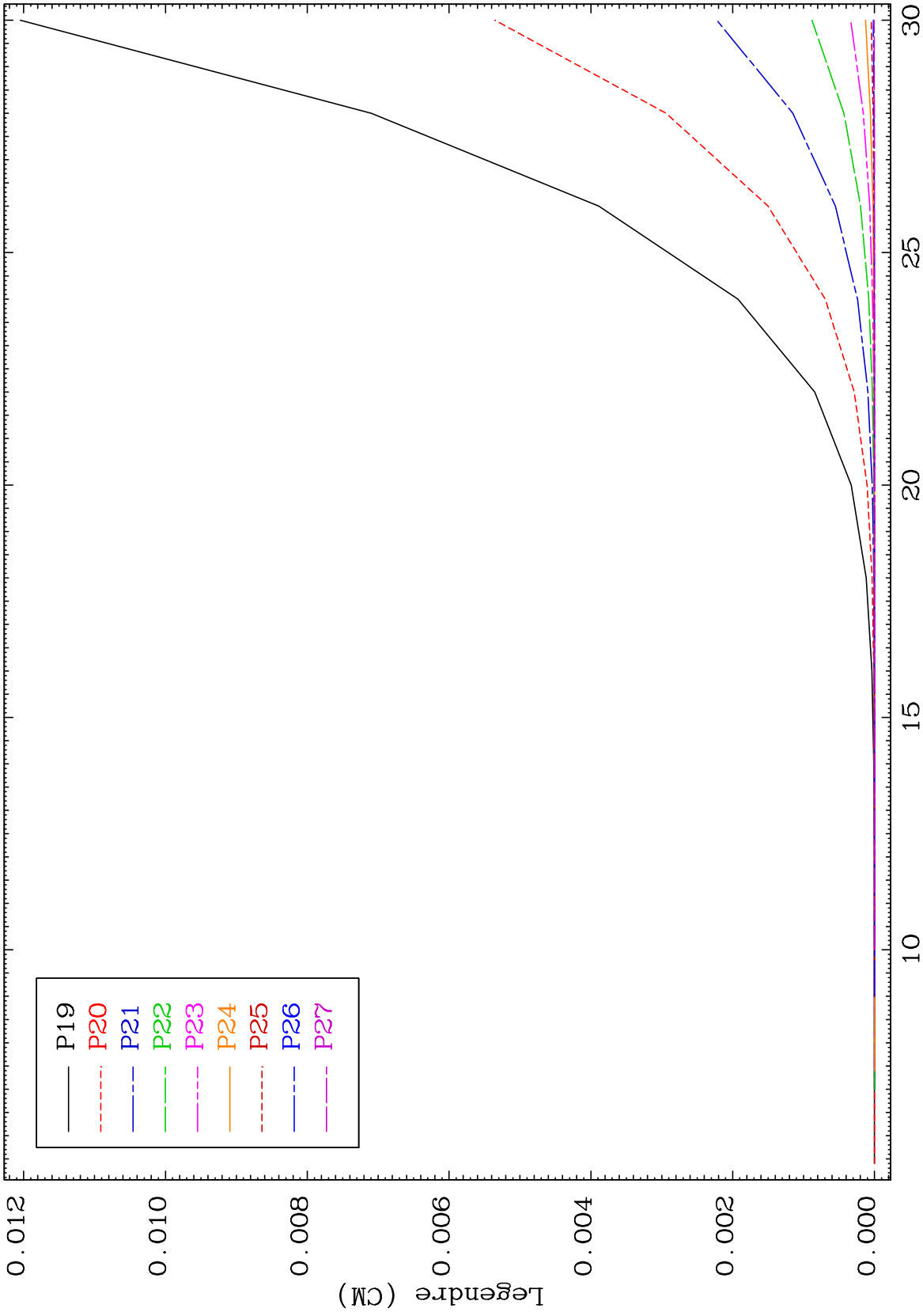
Incident Energy (MeV)

63-Eu-141

MAT 6295

Elastic Legendre Coefficients

63-Eu-141



18

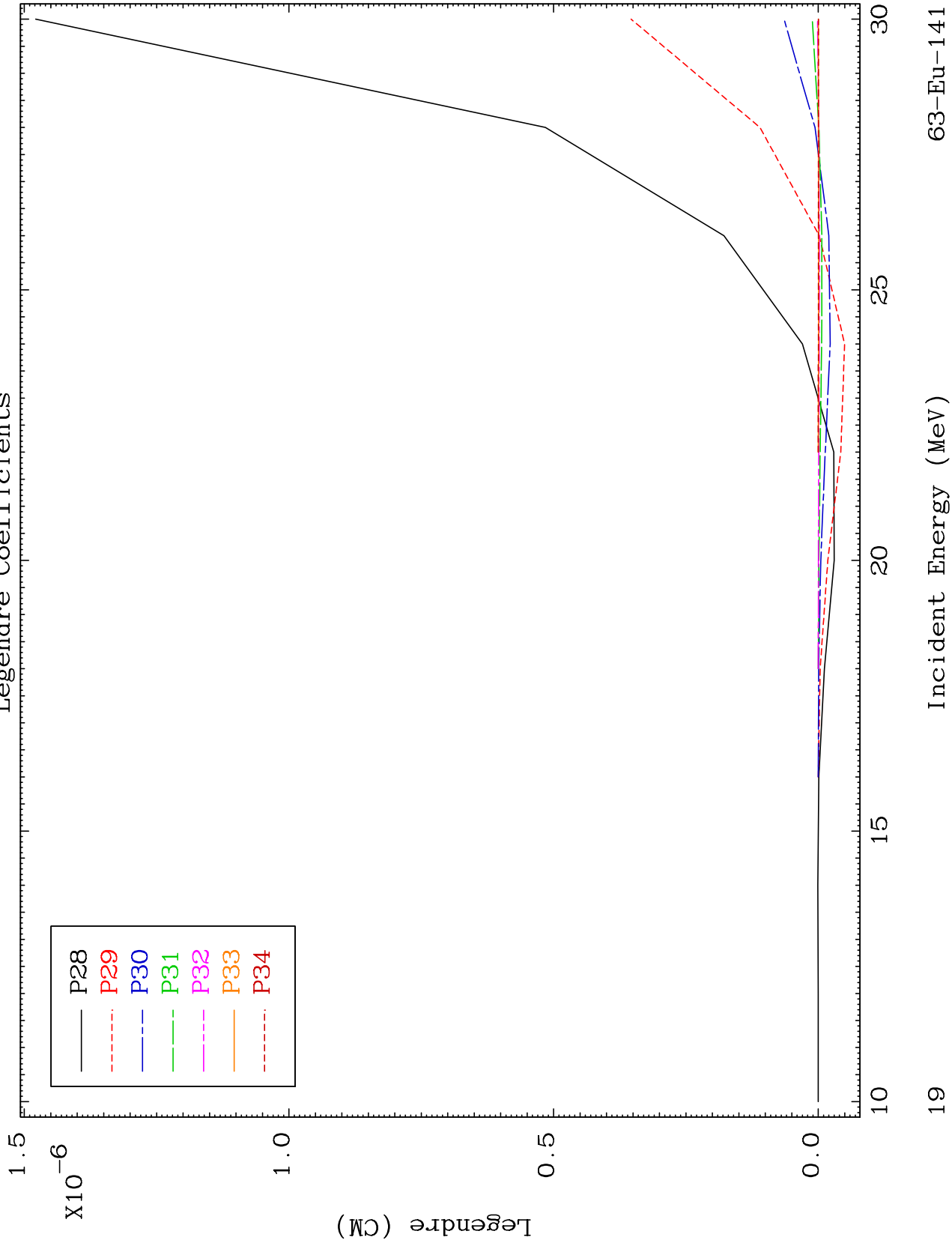
Incident Energy (MeV)

63-Eu-141

MAT 6295

Elastic Legendre Coefficients

63-Eu-141



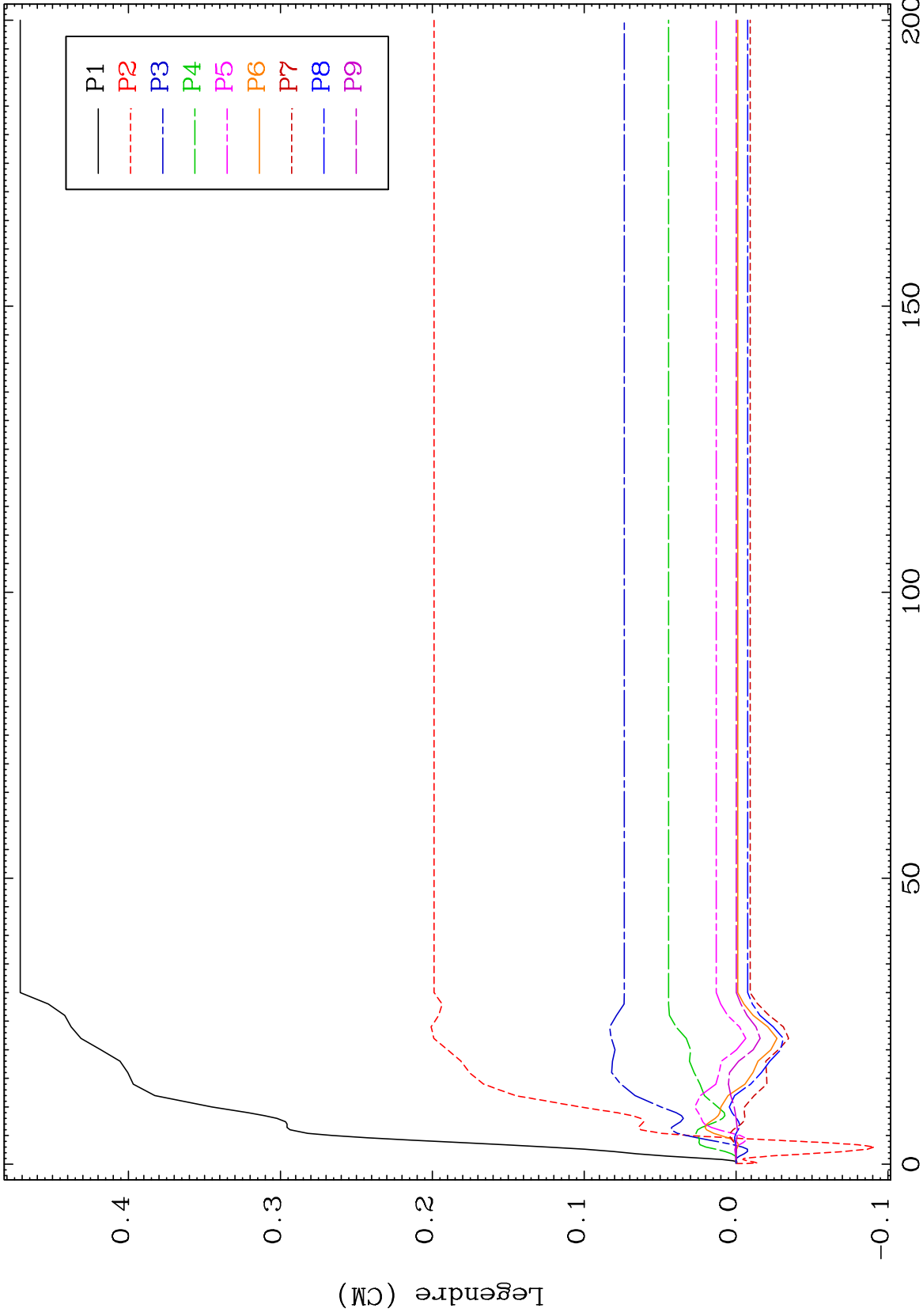
19

63-Eu-141

MAT 6295

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

63-Eu-141



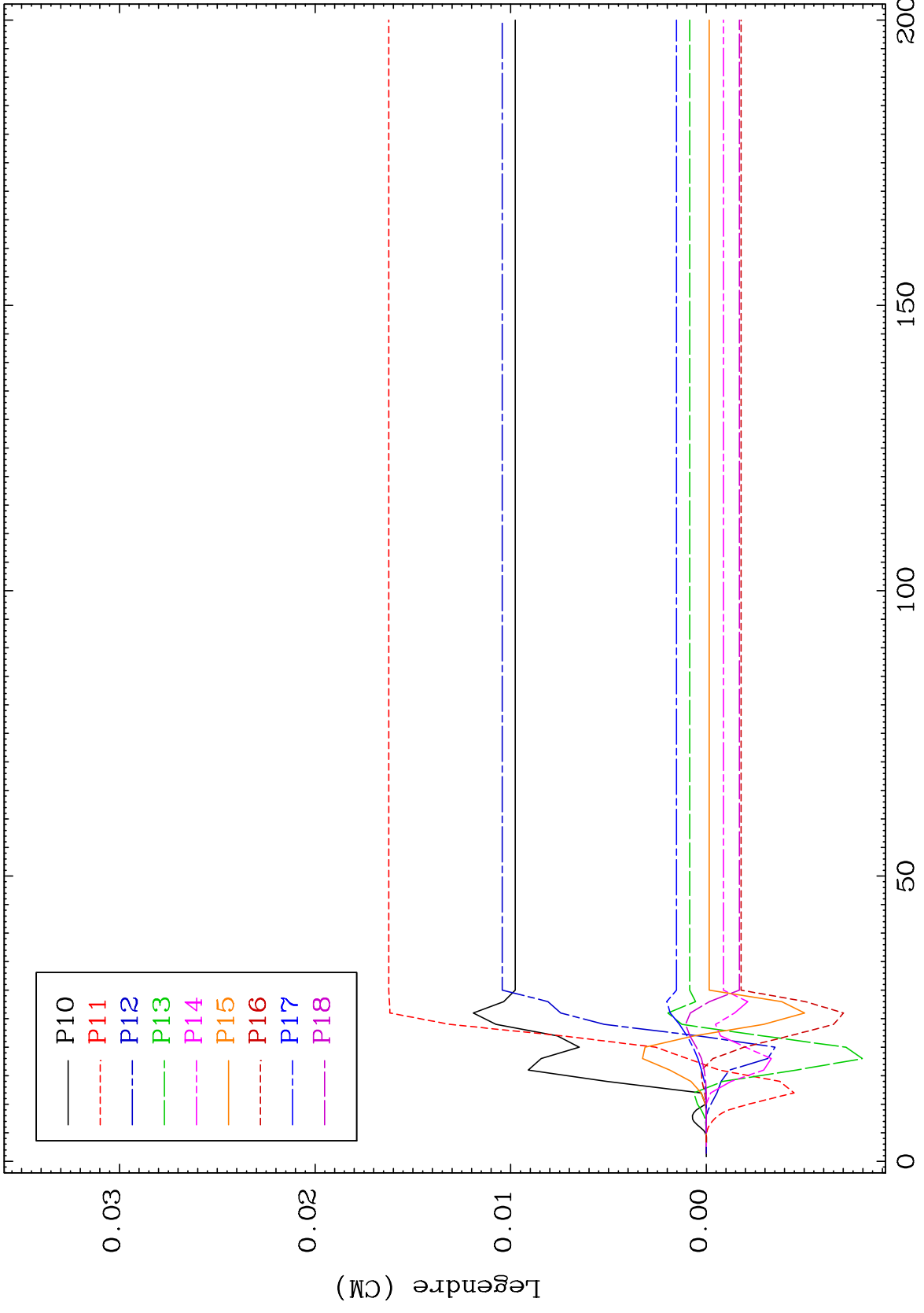
63-Eu-141

Incident Energy (MeV)

MAT 6295

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

63-Eu-141



21

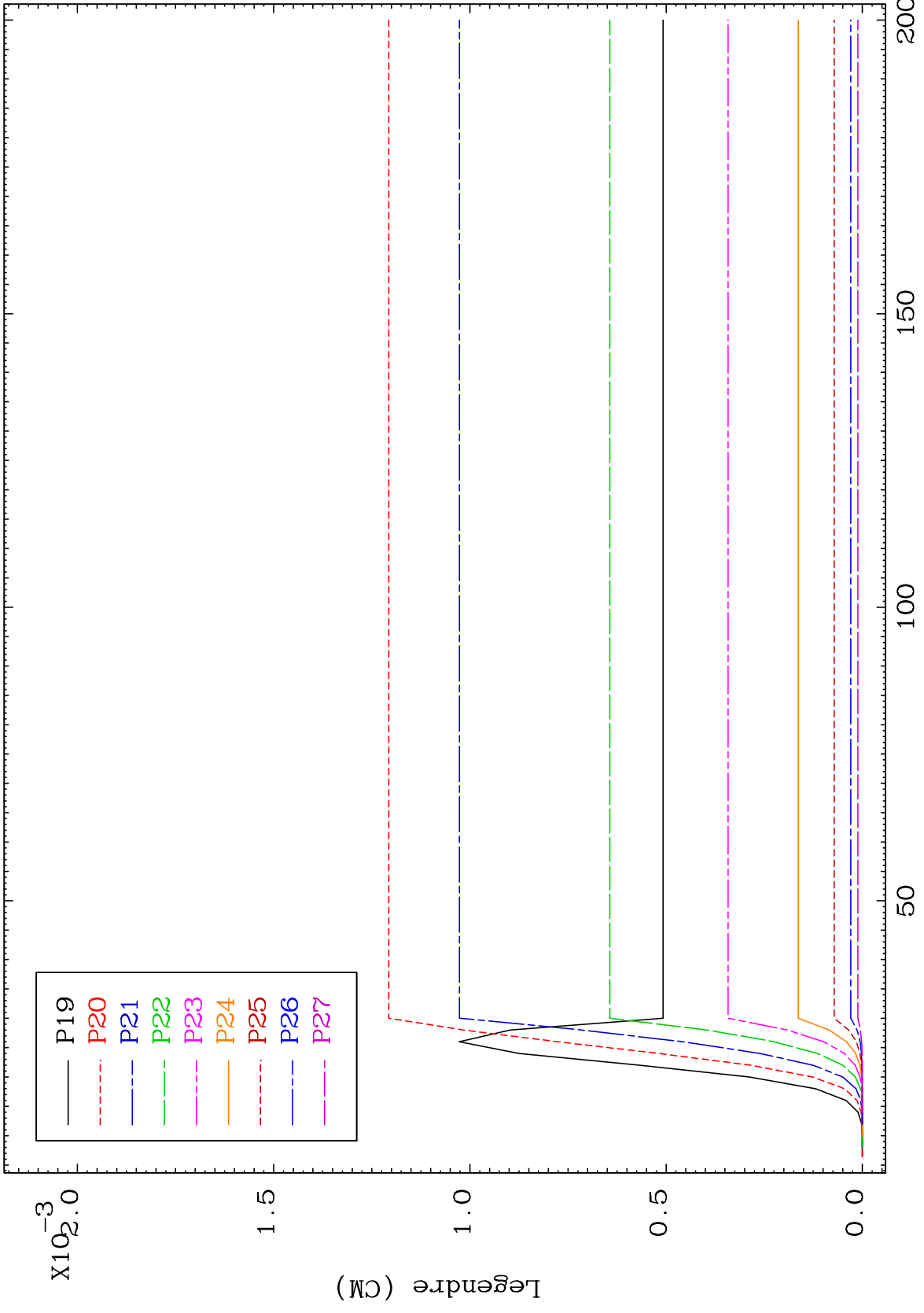
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



22

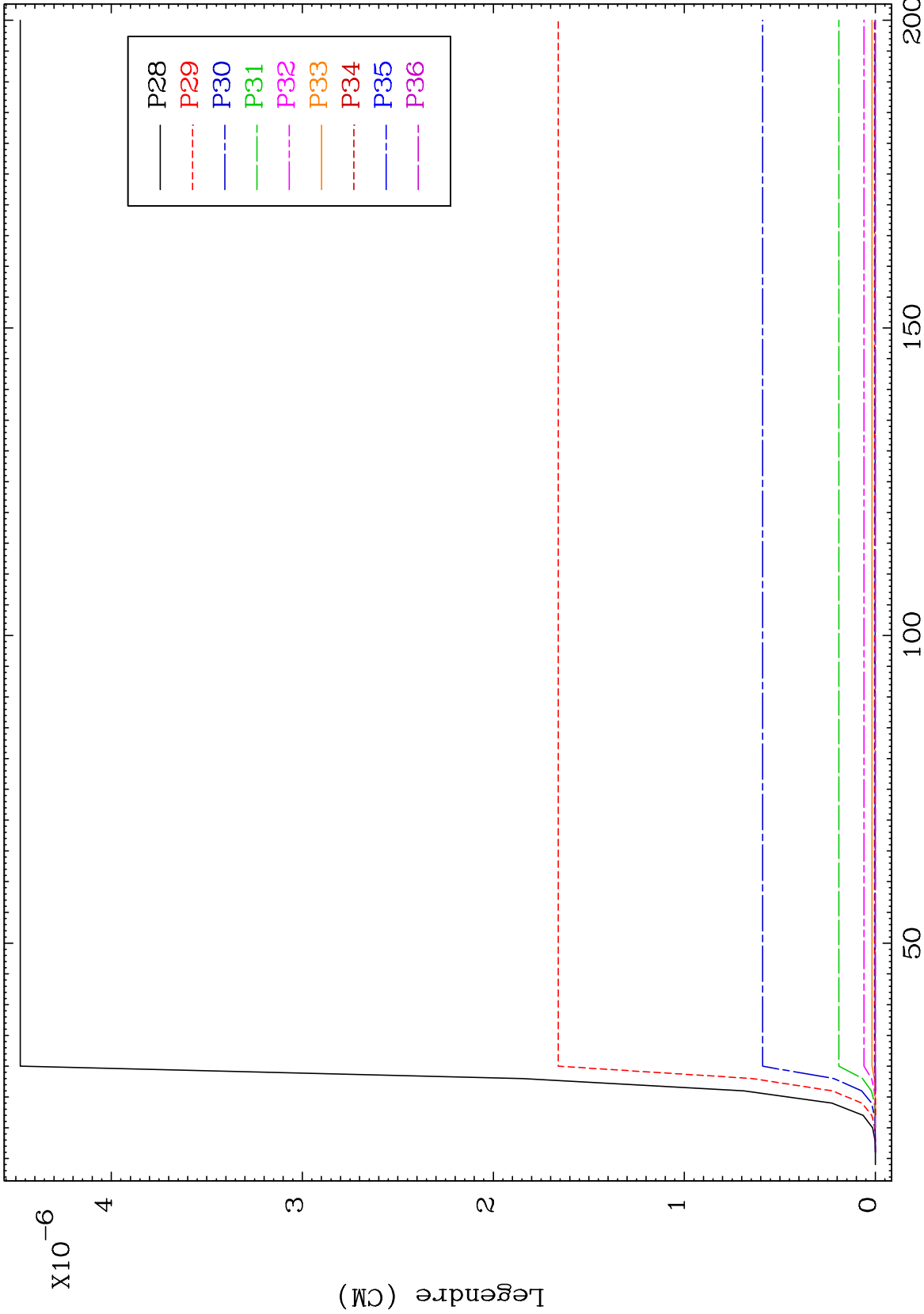
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



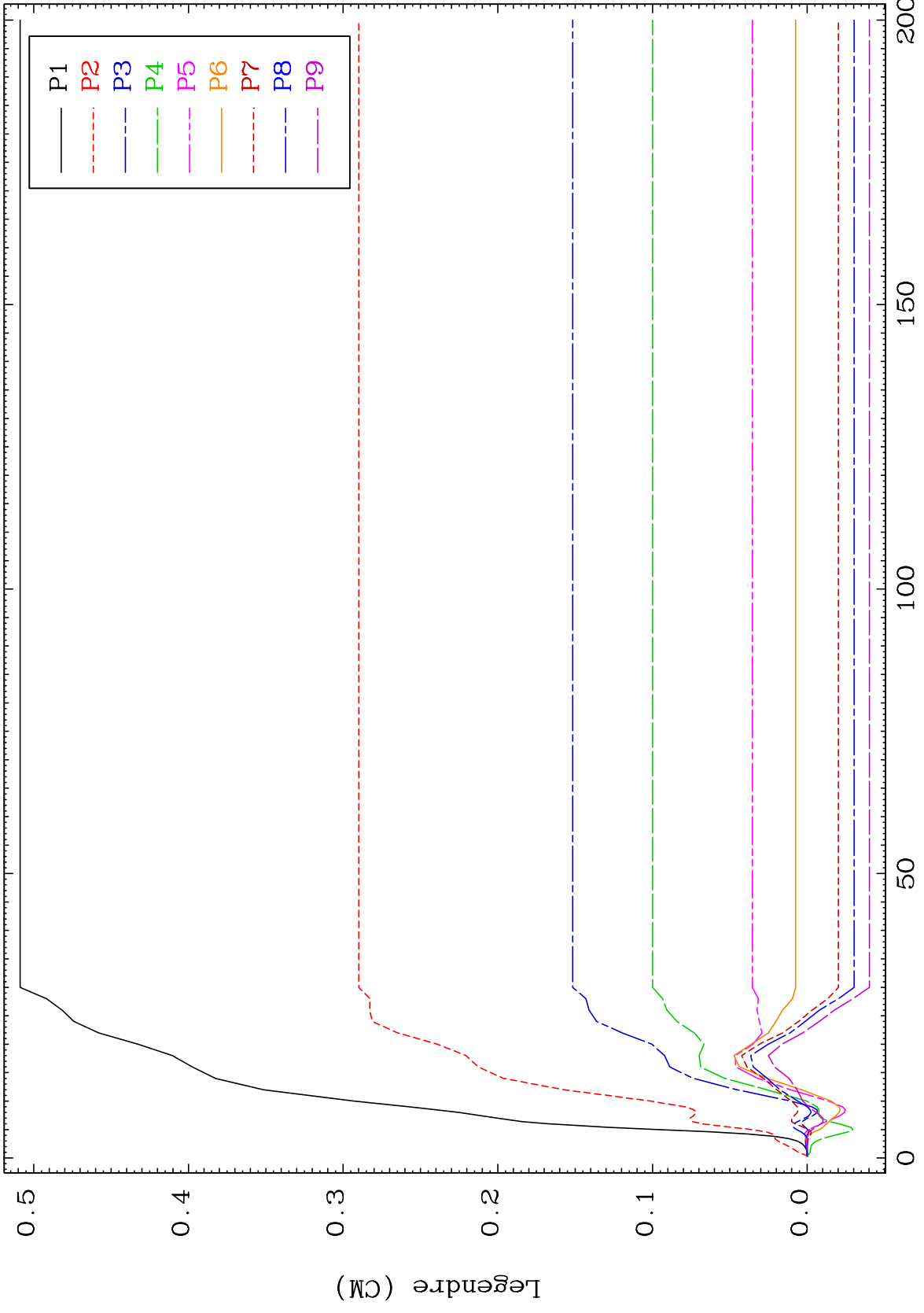
23

63-Eu-141

MAT 6295

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

63-Eu-141



24

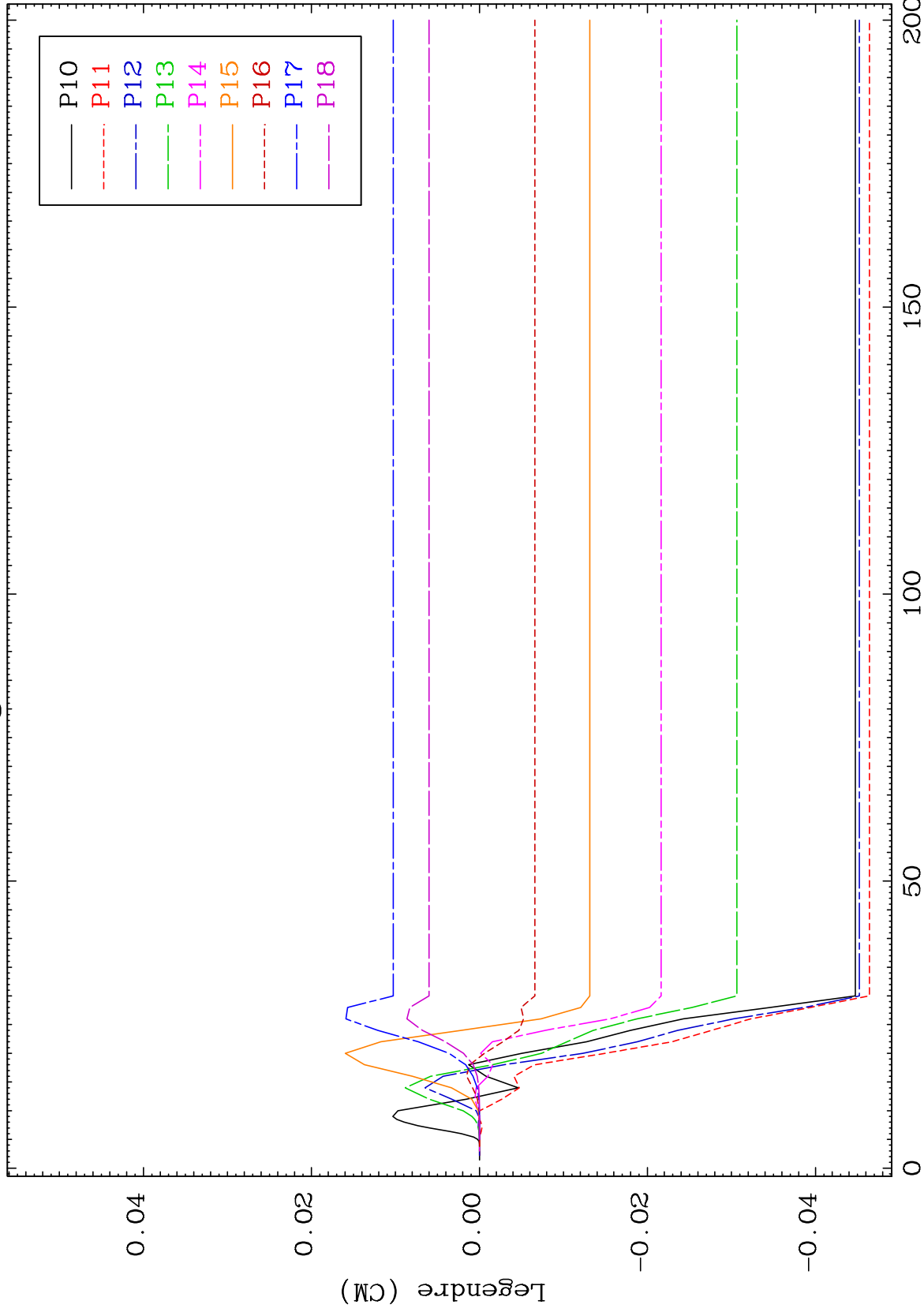
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



25

Incident Energy (MeV)

50

100

150

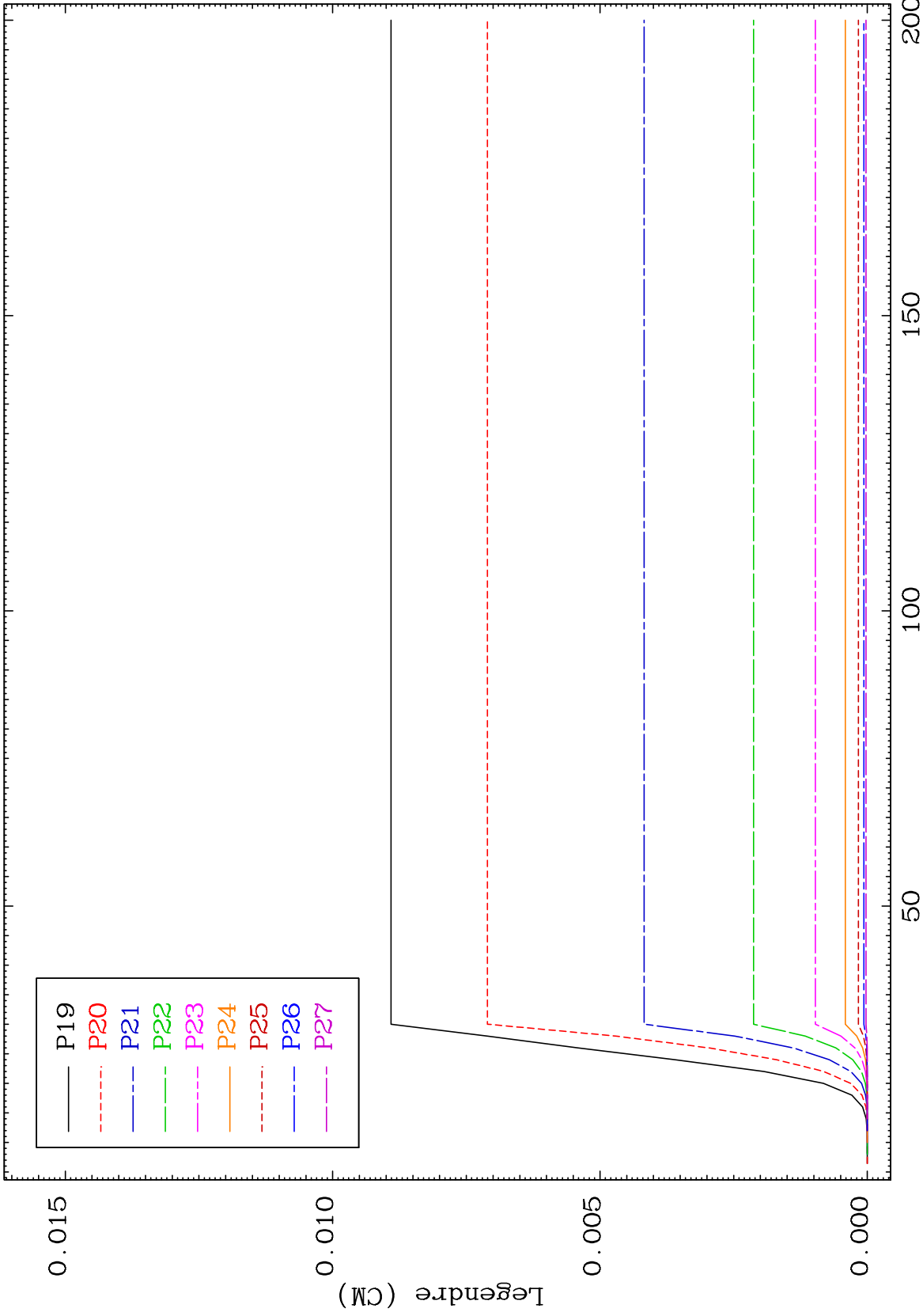
200

63-Eu-141

MAT 6295

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

63-Eu-141



26

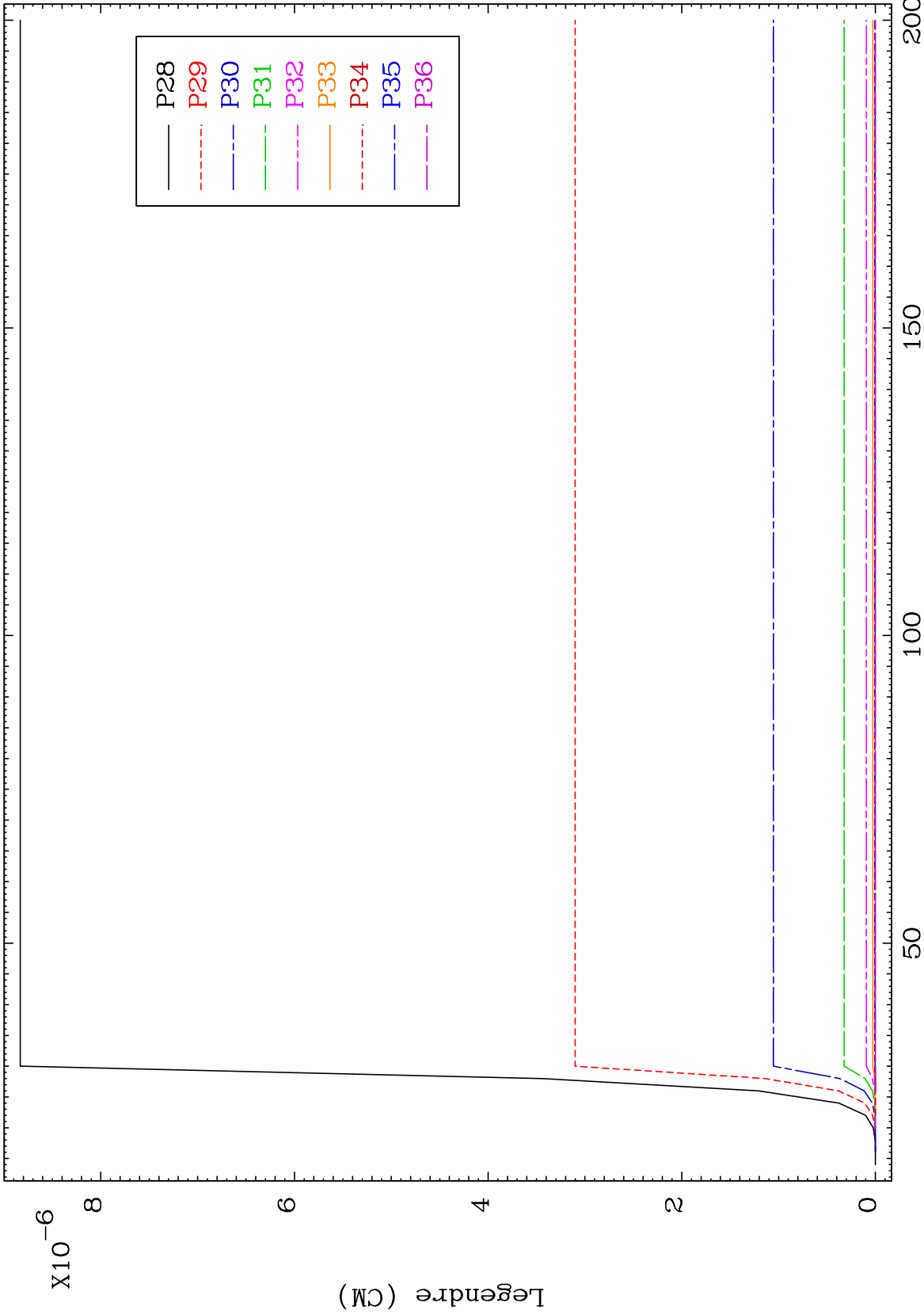
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



27

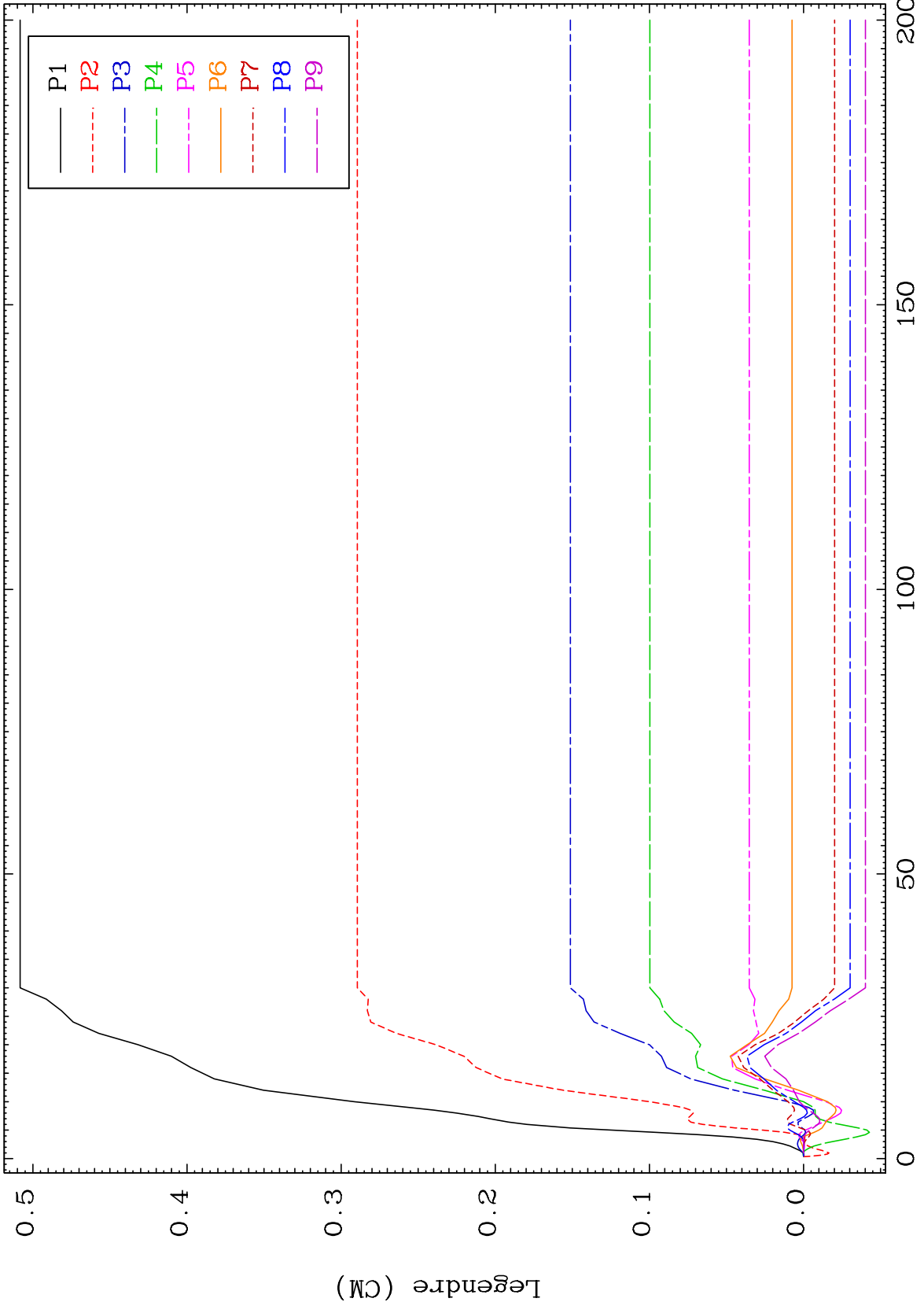
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



28

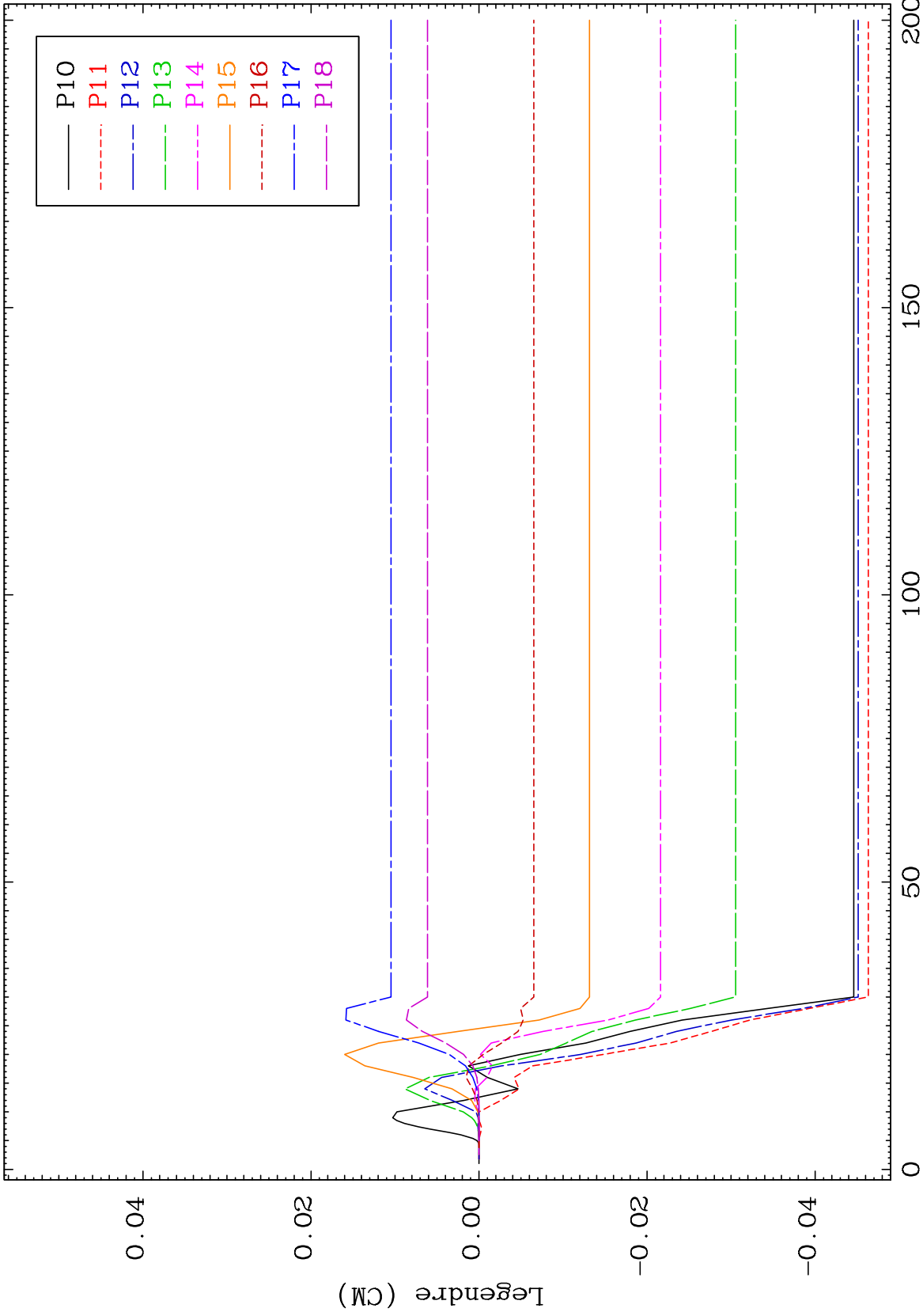
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



29

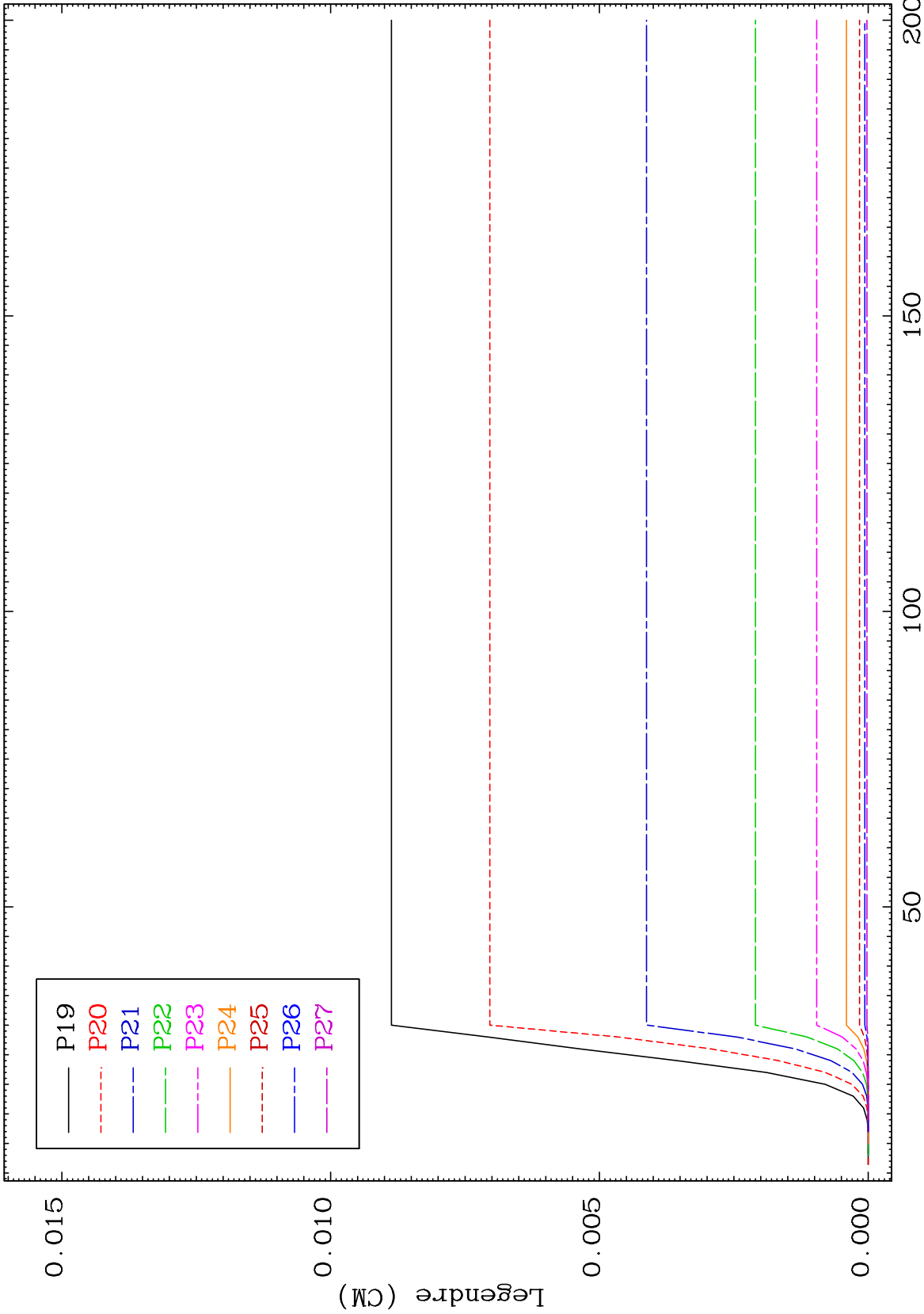
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



30

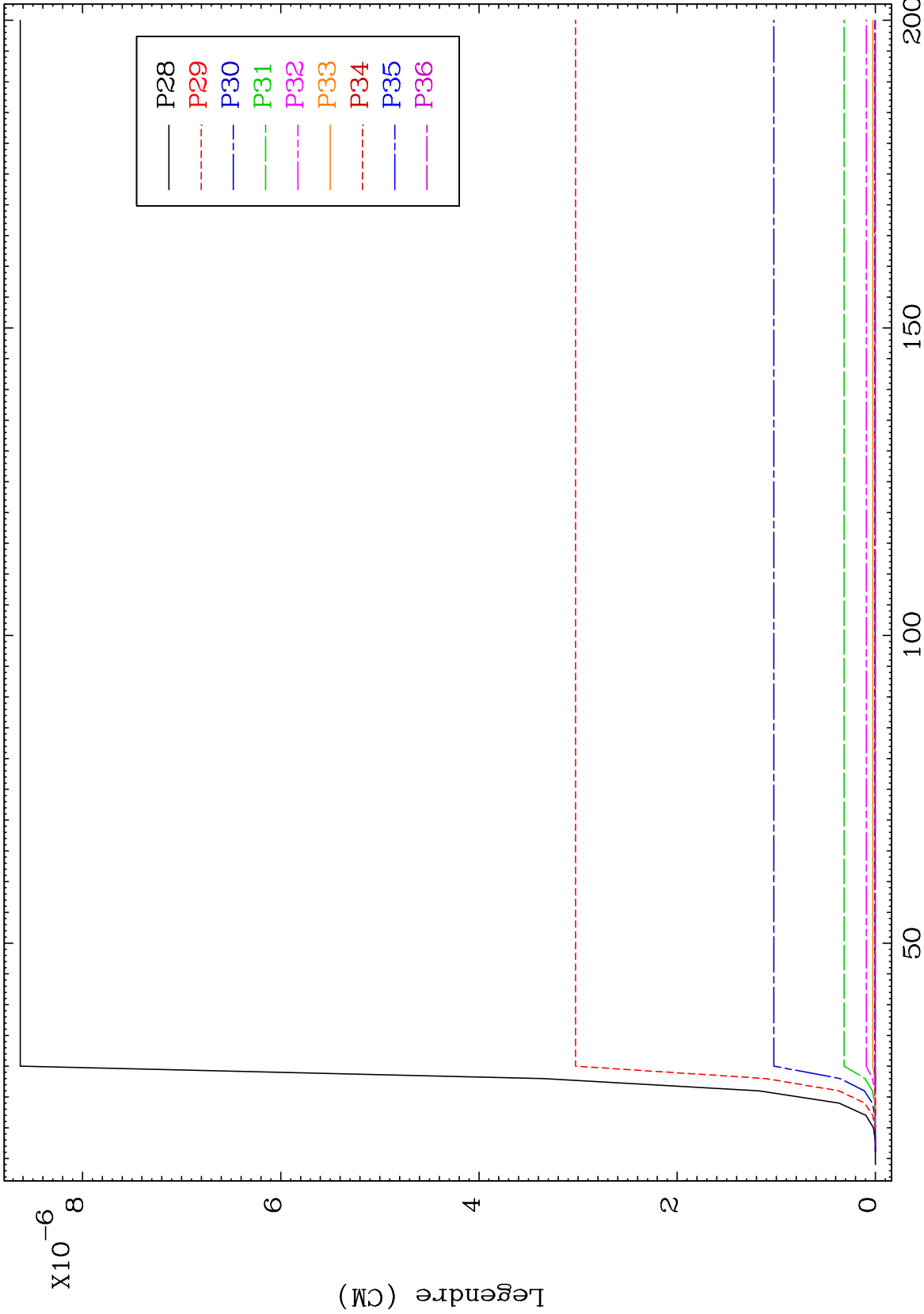
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



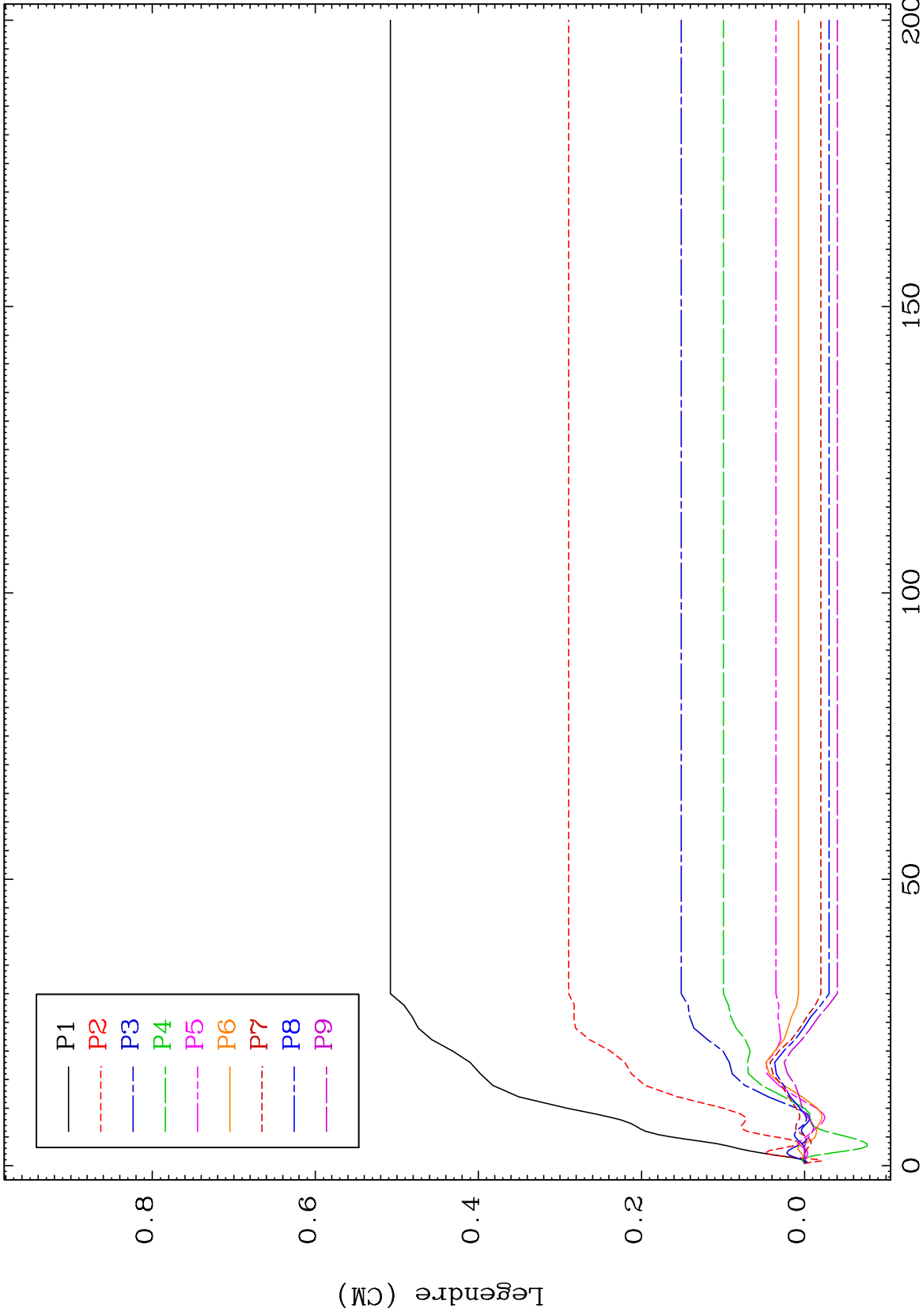
31

63-Eu-141

MAT 6295

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

63-Eu-141



32

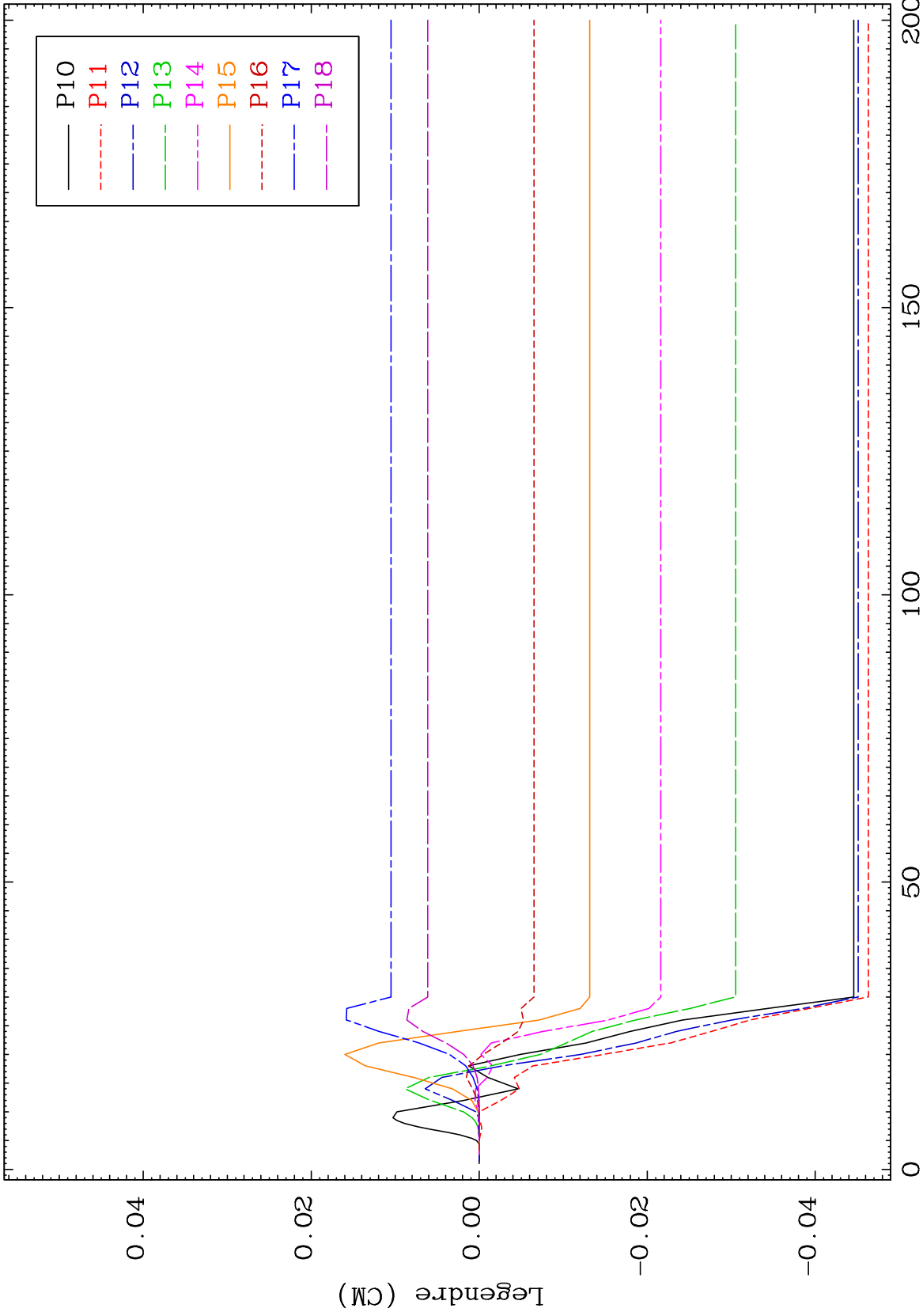
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



33

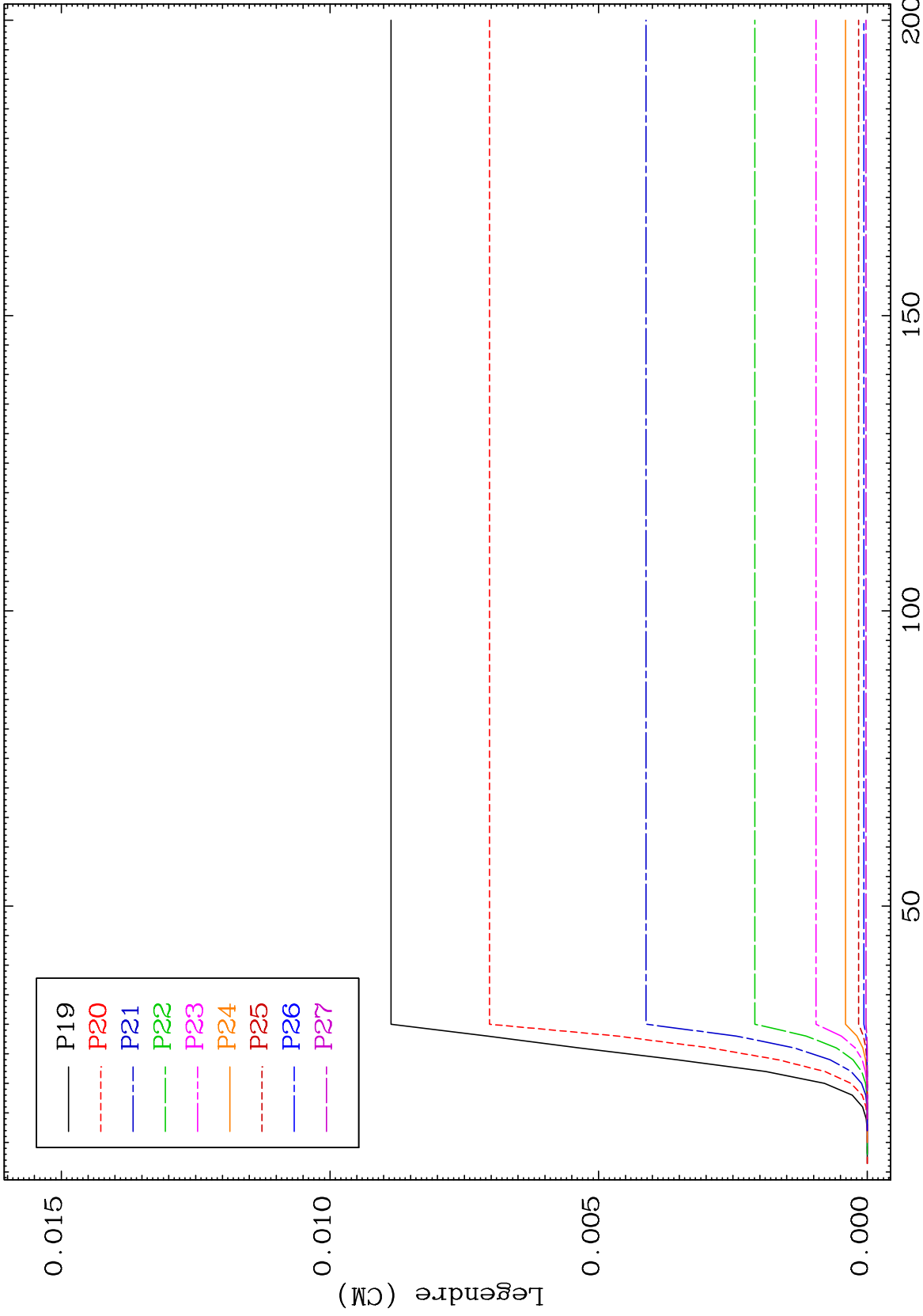
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



34

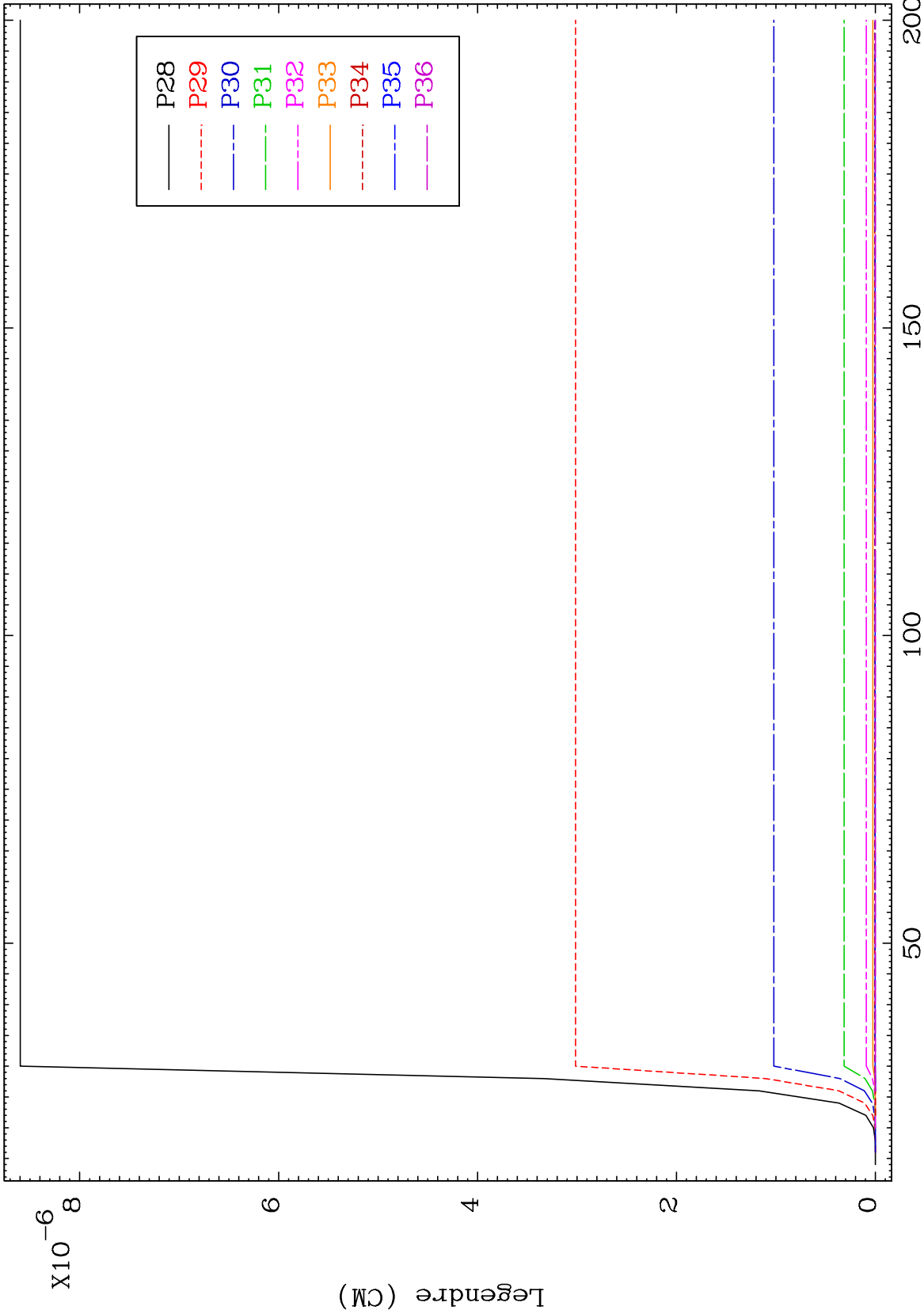
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



35

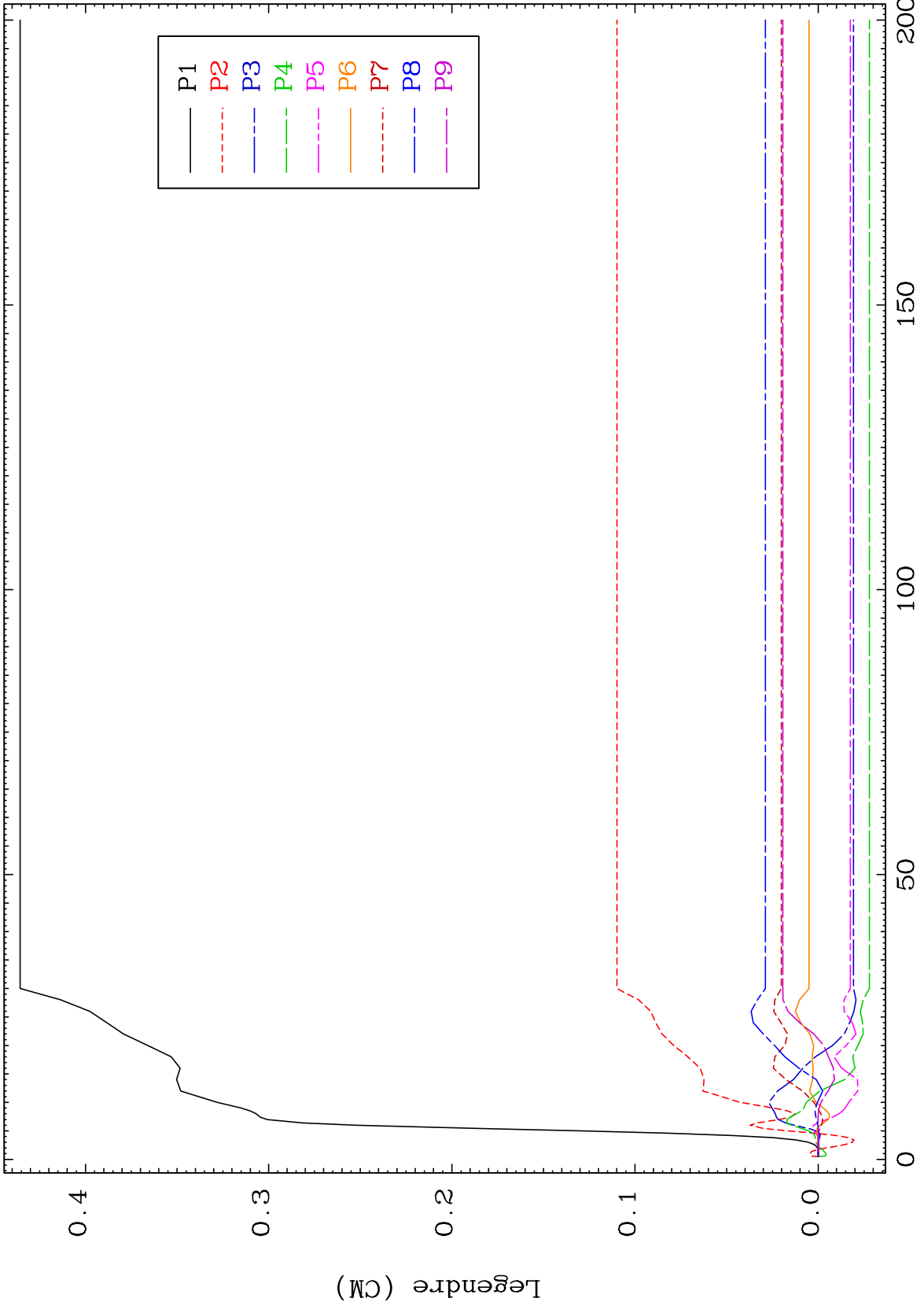
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



36

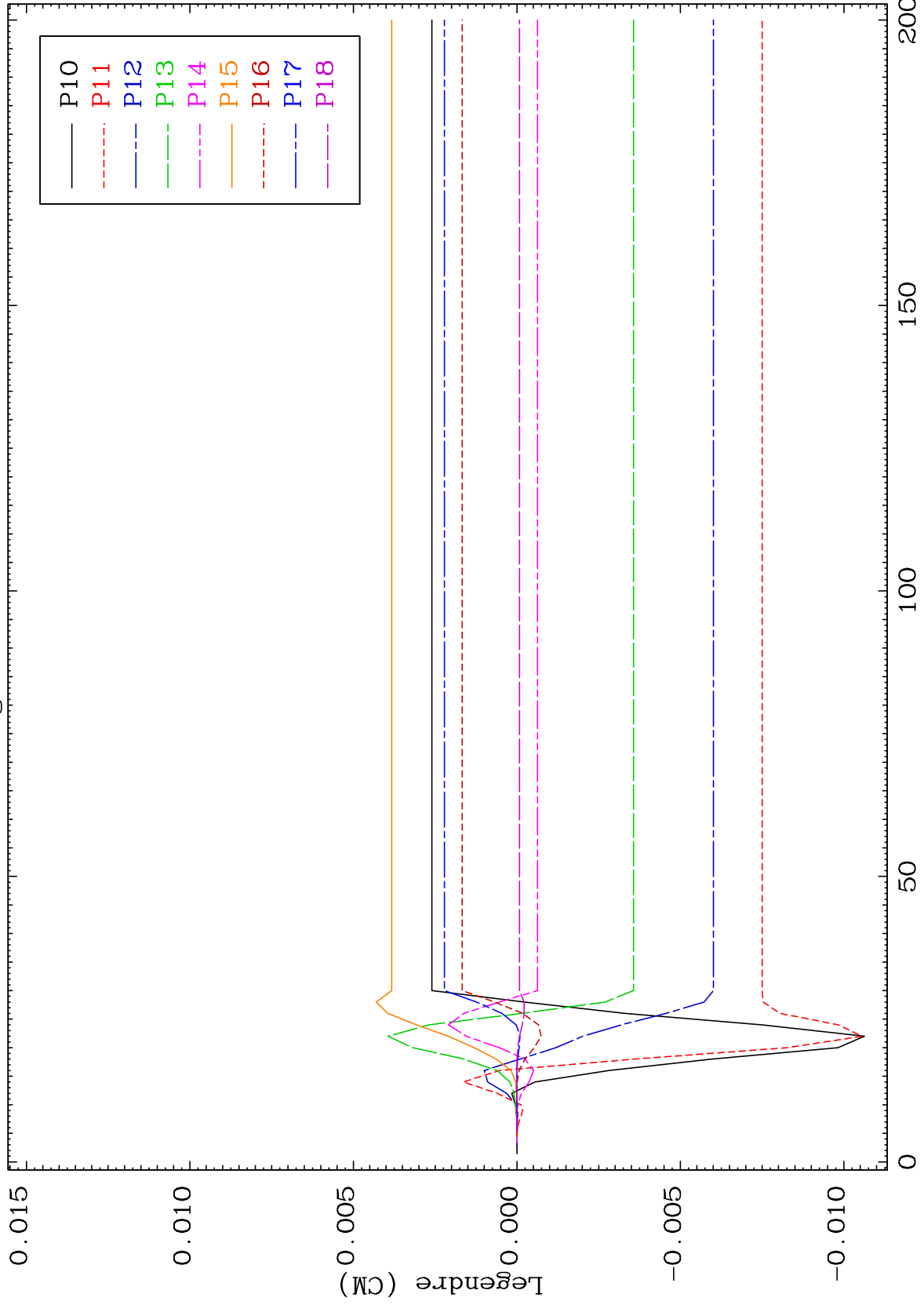
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



37

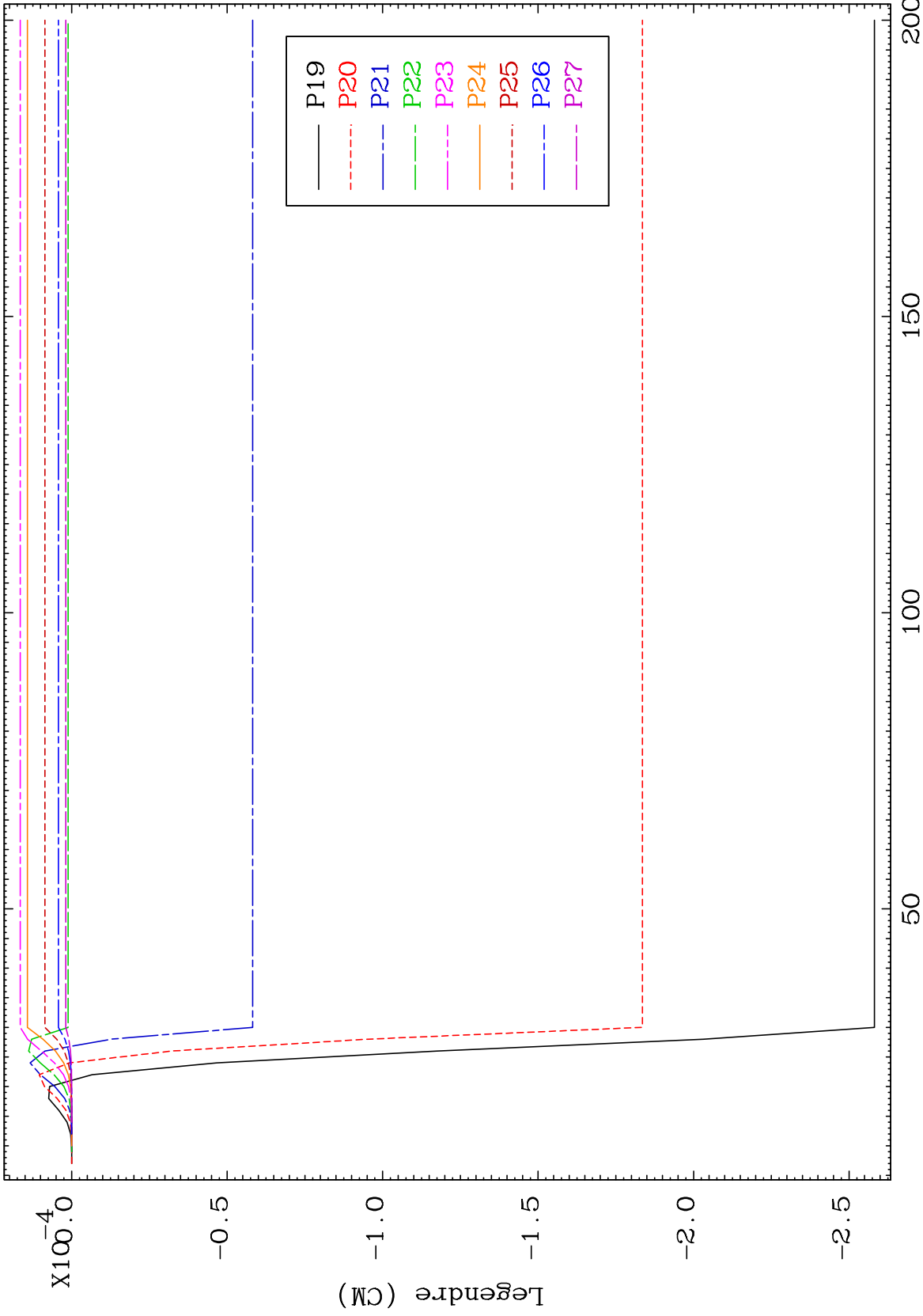
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



38

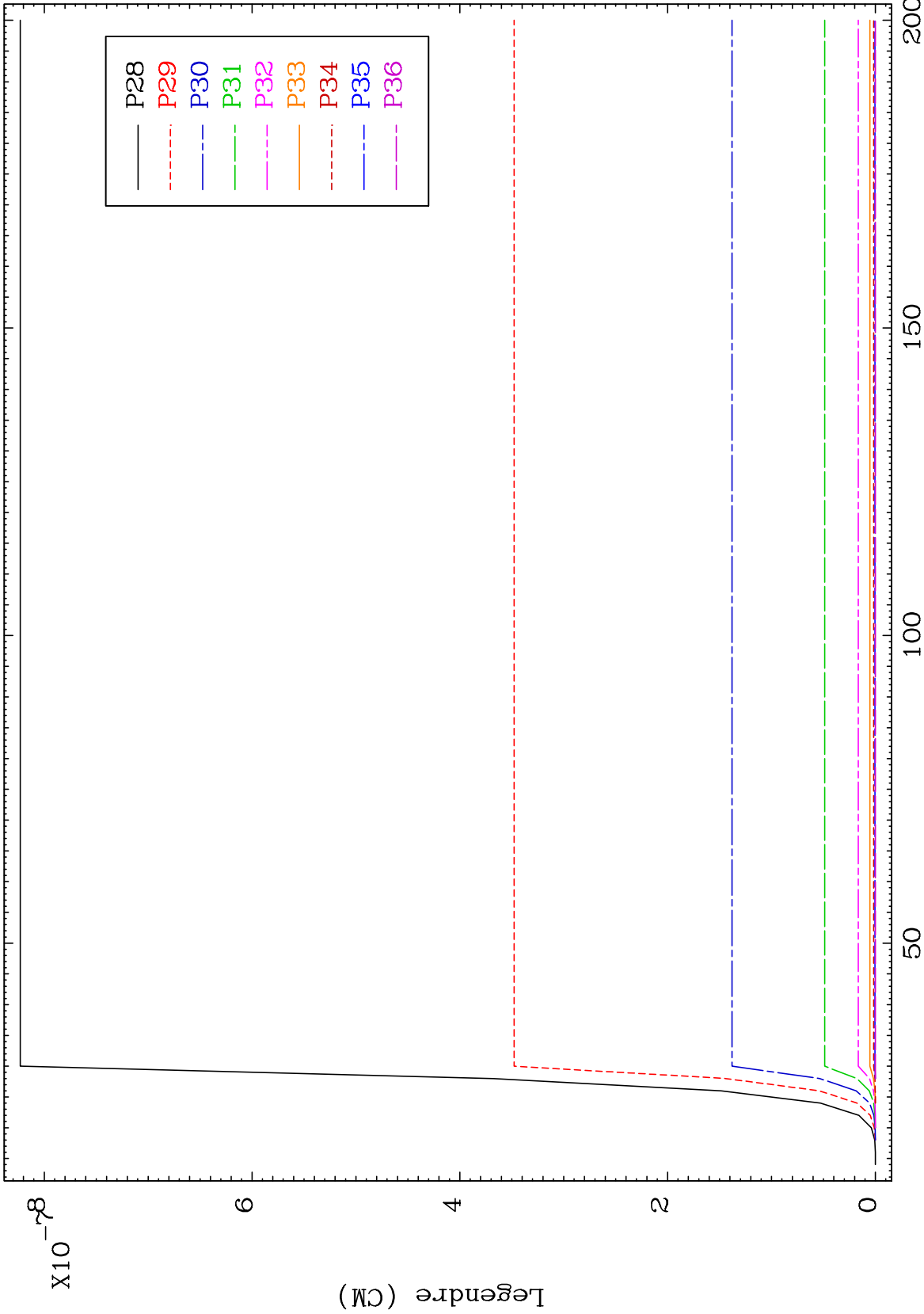
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



39

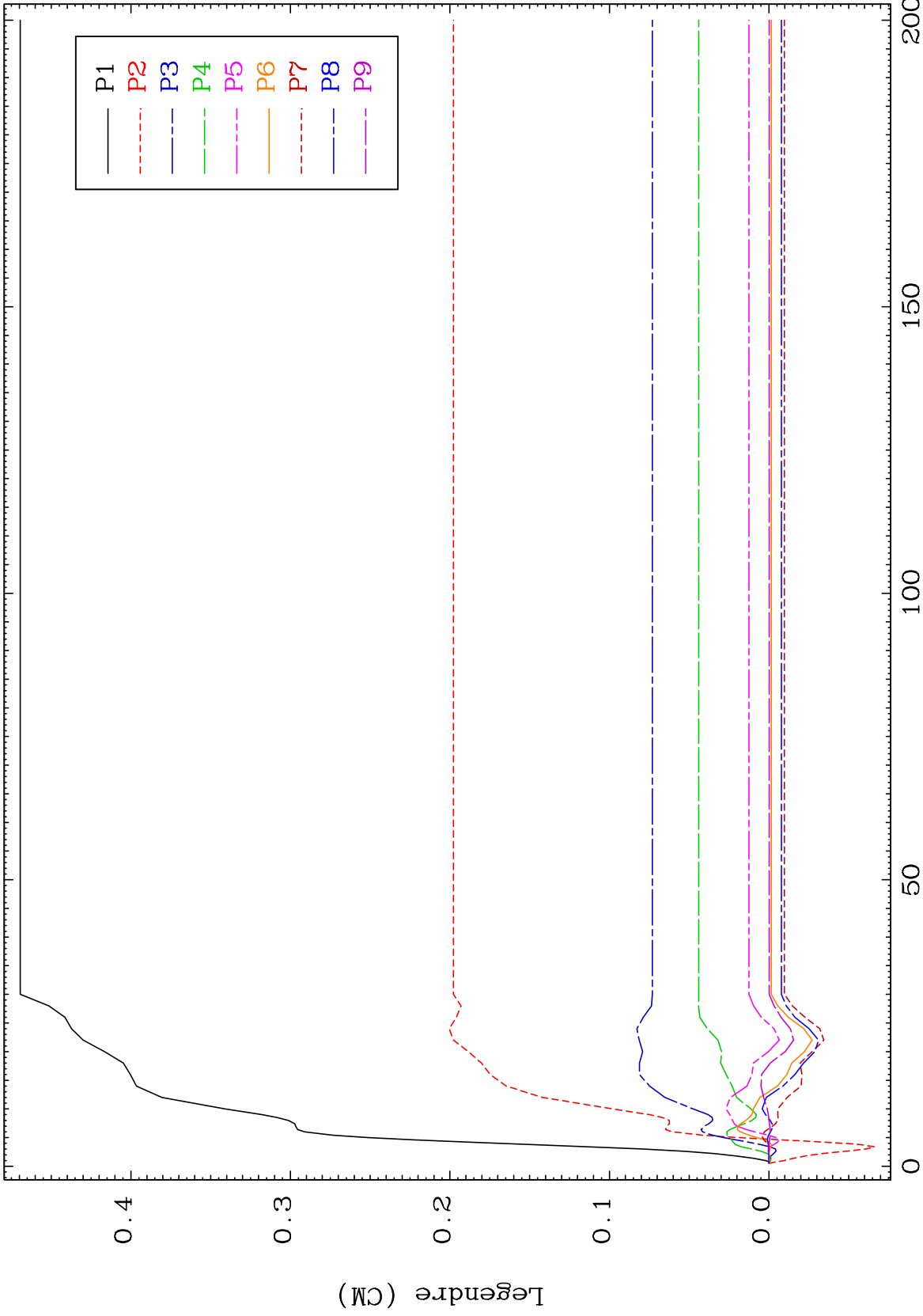
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



63-Eu-141

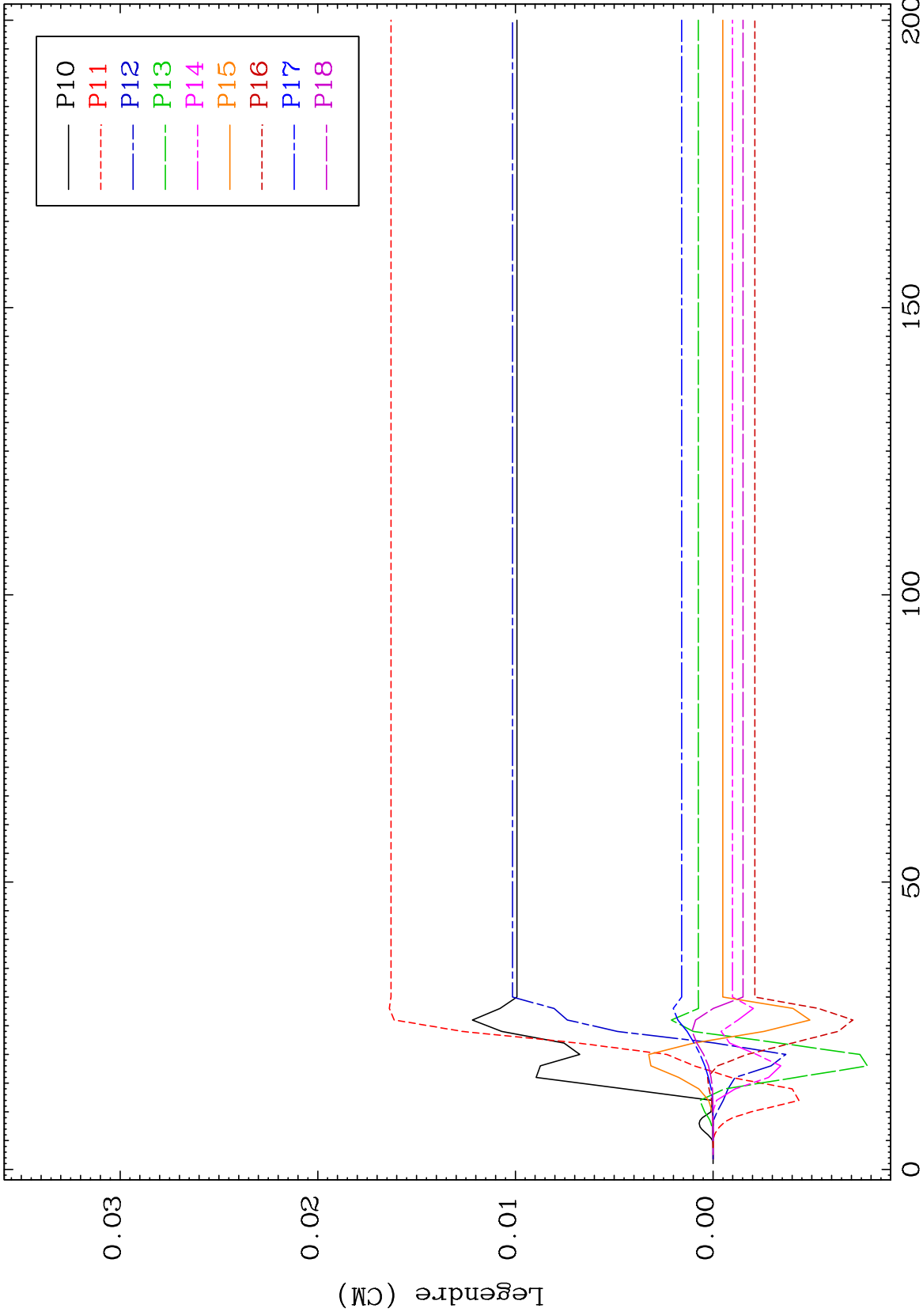
Incident Energy (MeV)

40

MAT 6295

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

63-Eu-141



41

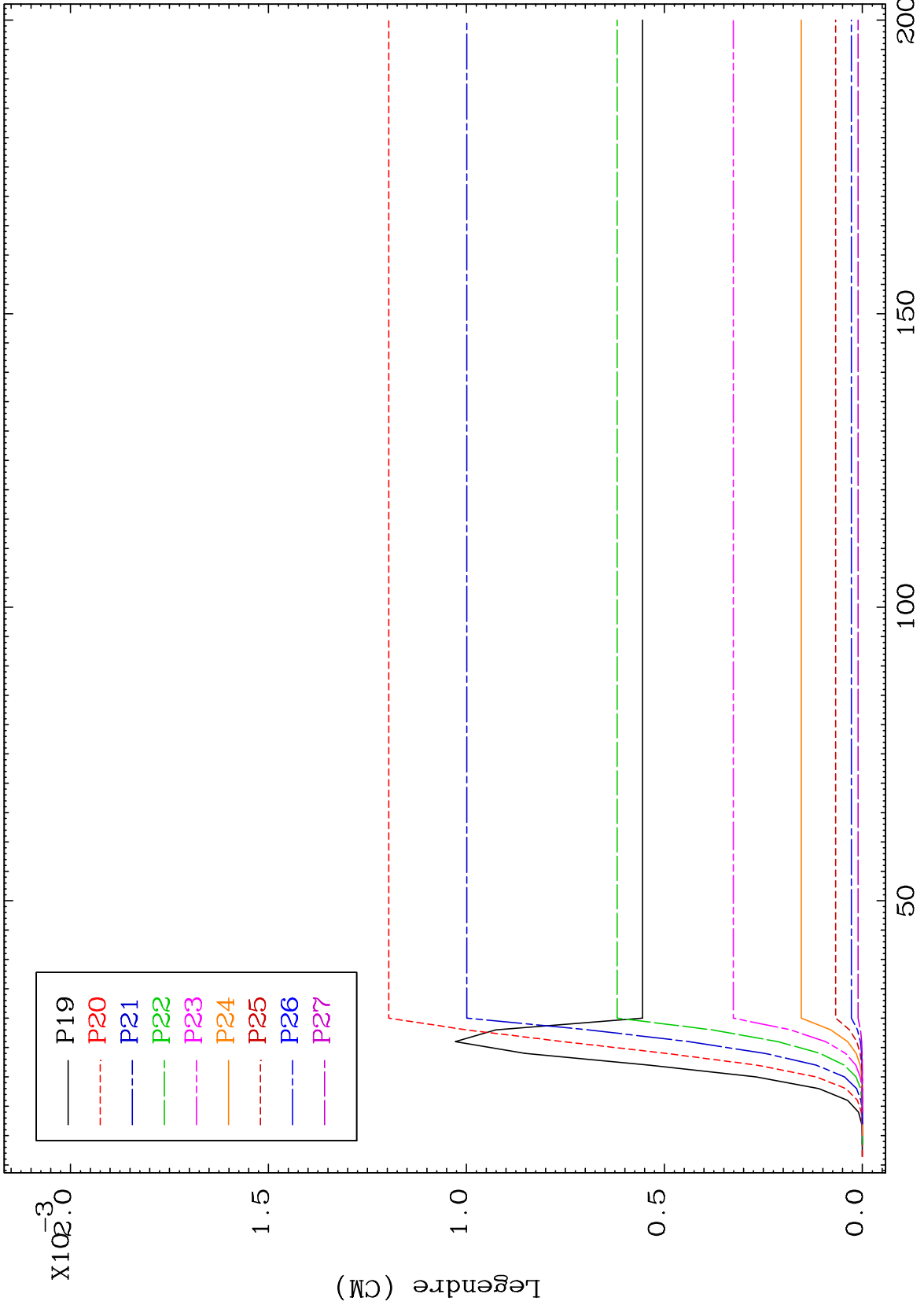
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



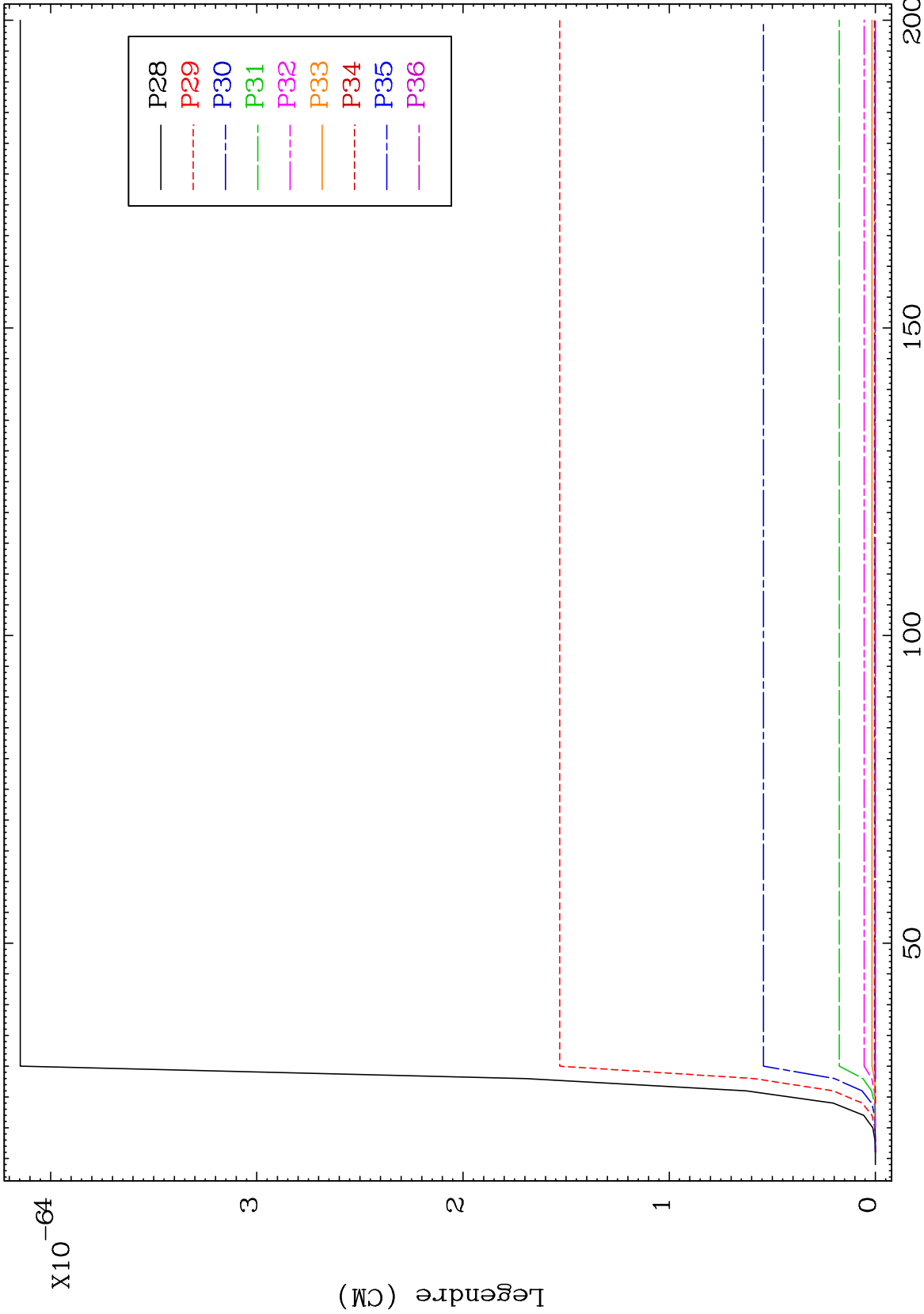
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63-Eu-141

MAT 6295

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

63-Eu-141



43

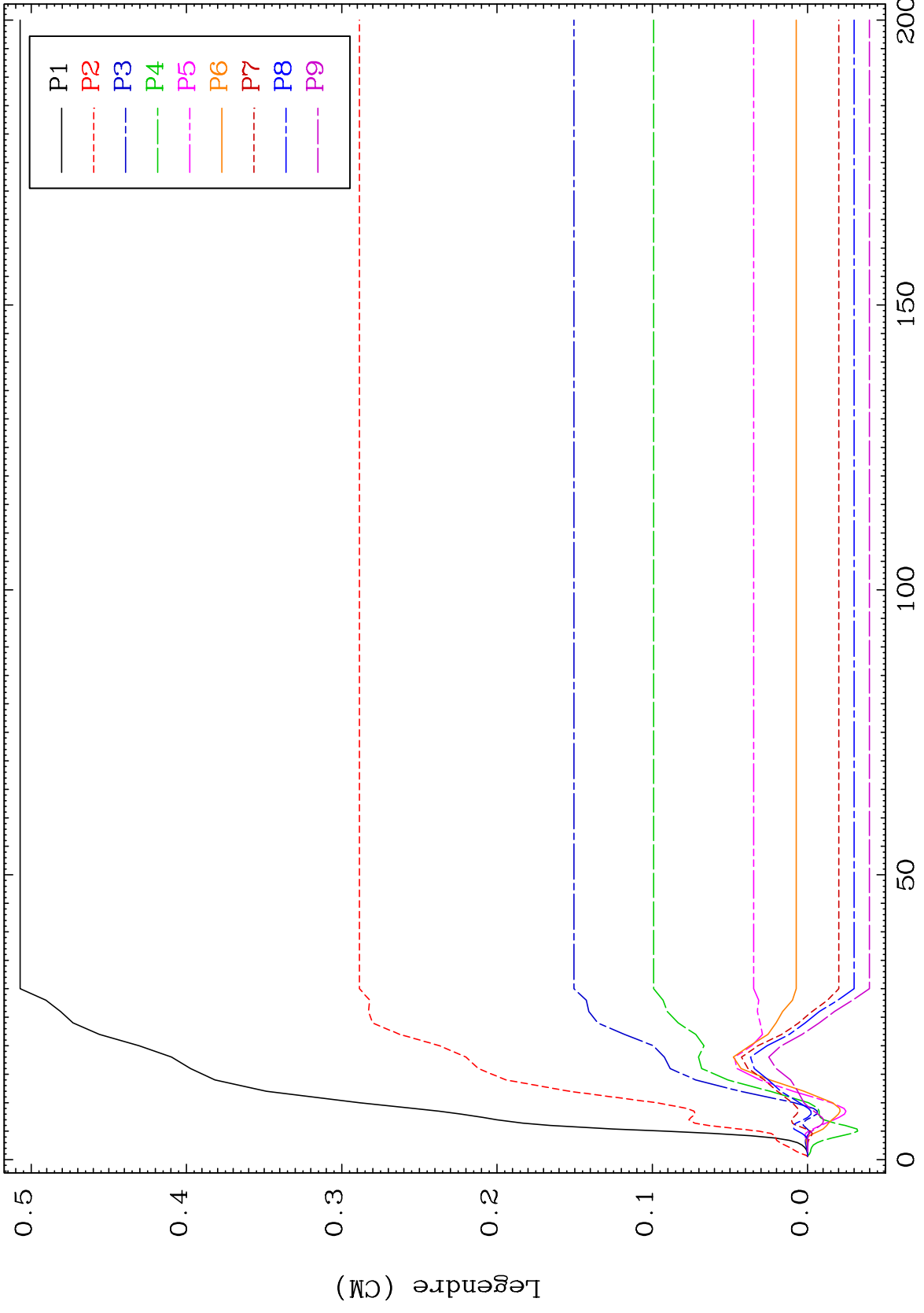
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



44

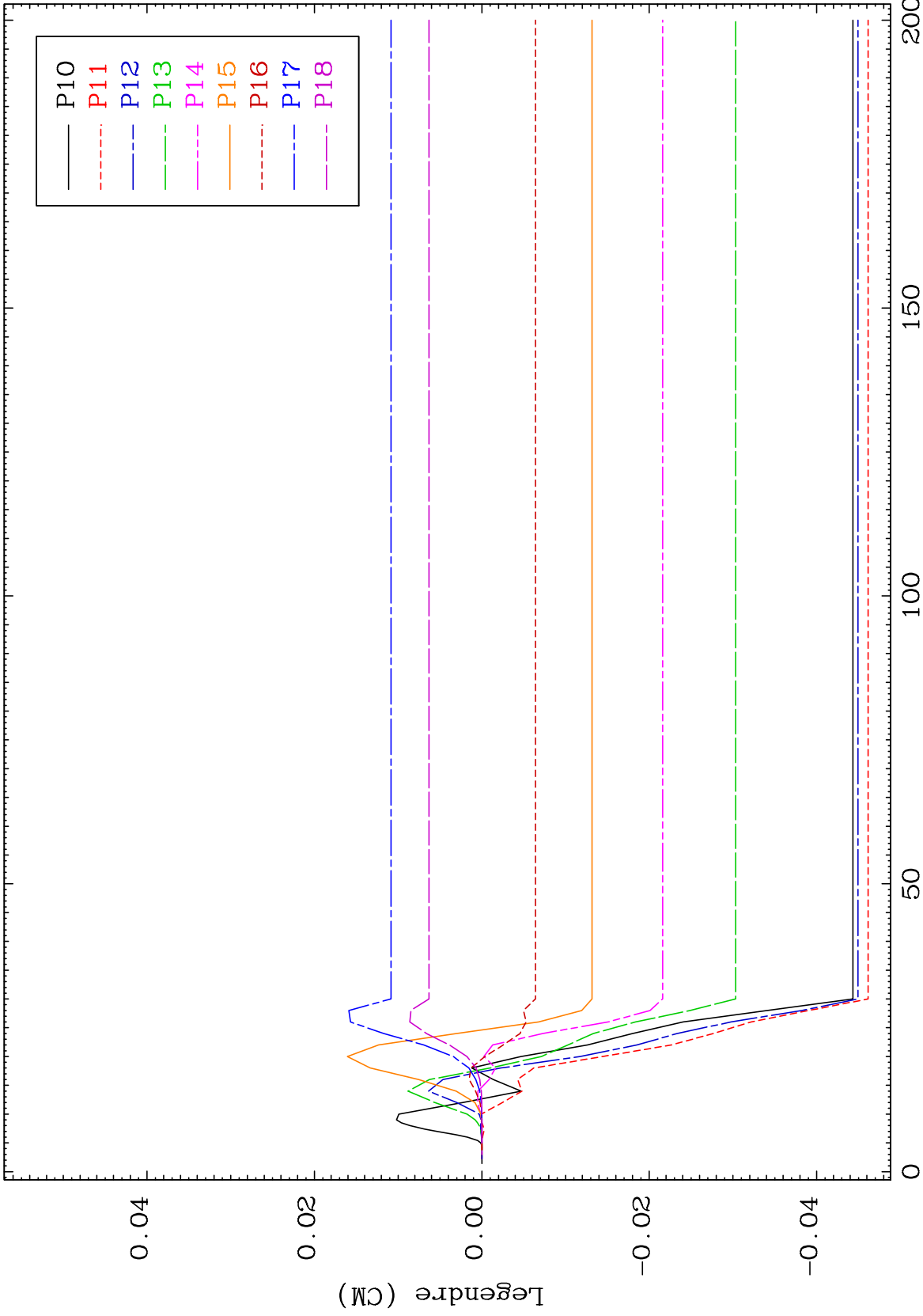
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

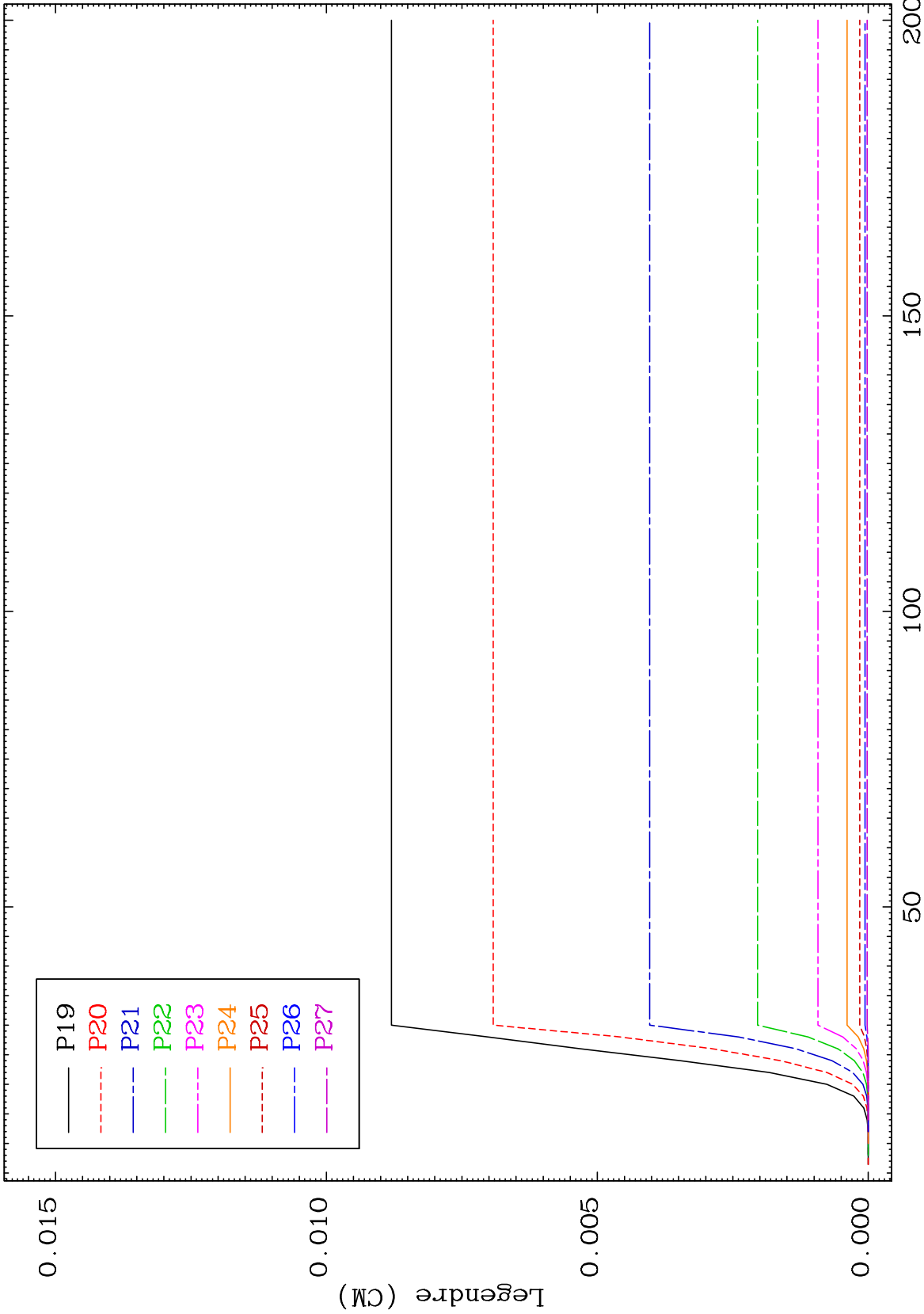
63-Eu-141



45

Incident Energy (MeV)

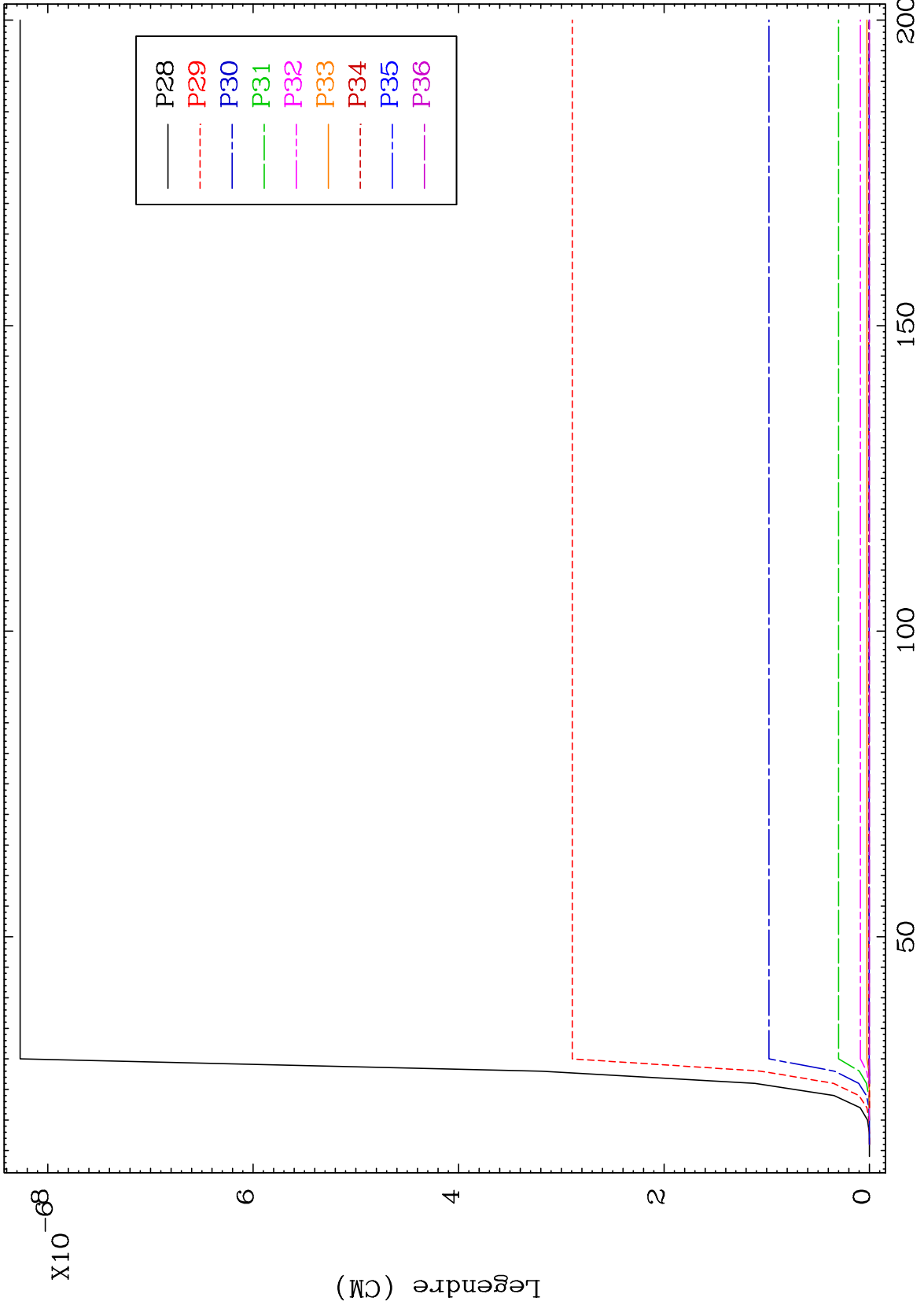
63-Eu-141



MAT 6295

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

63-Eu-141



47

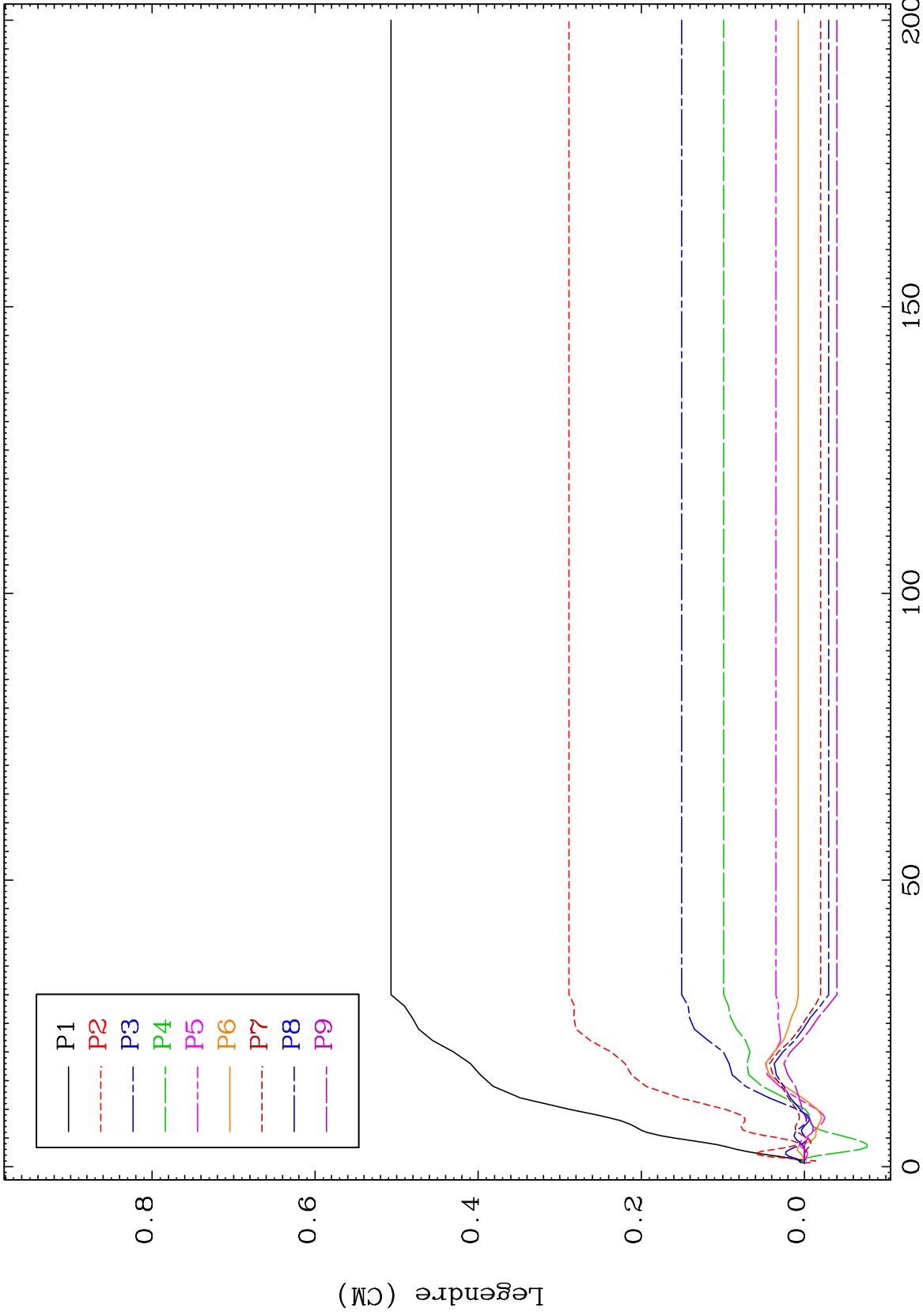
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



48

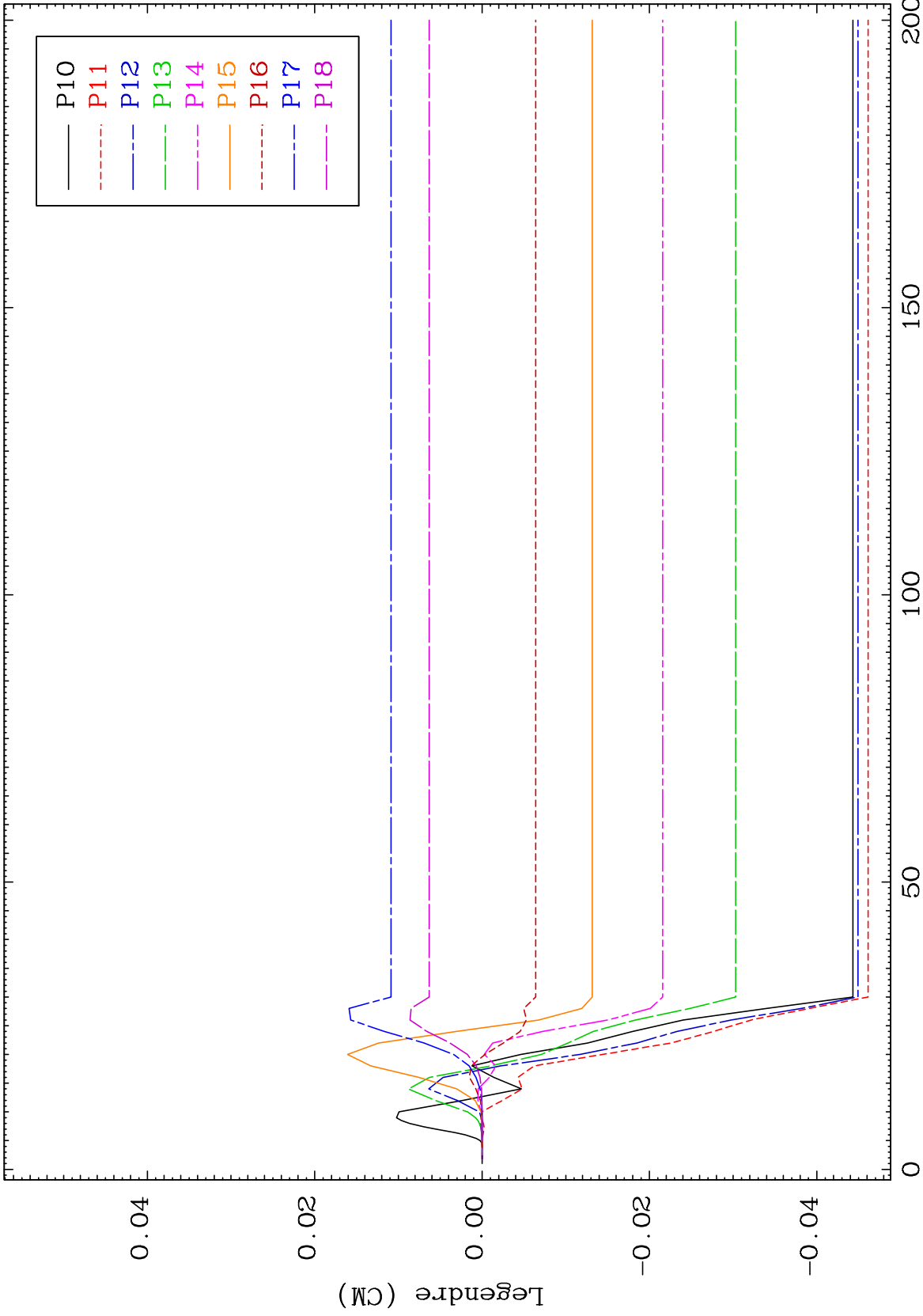
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



49

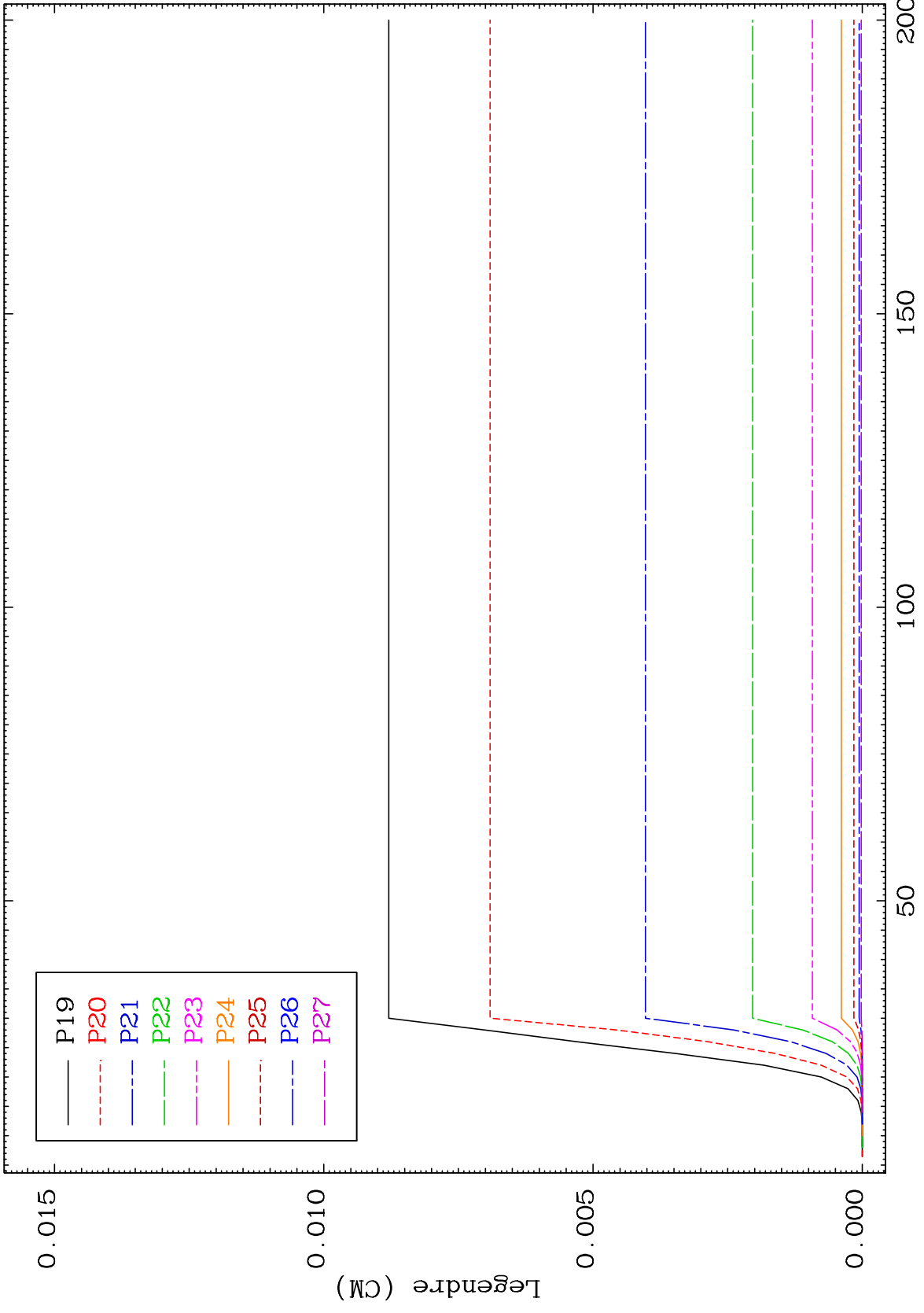
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



50

50

100

150

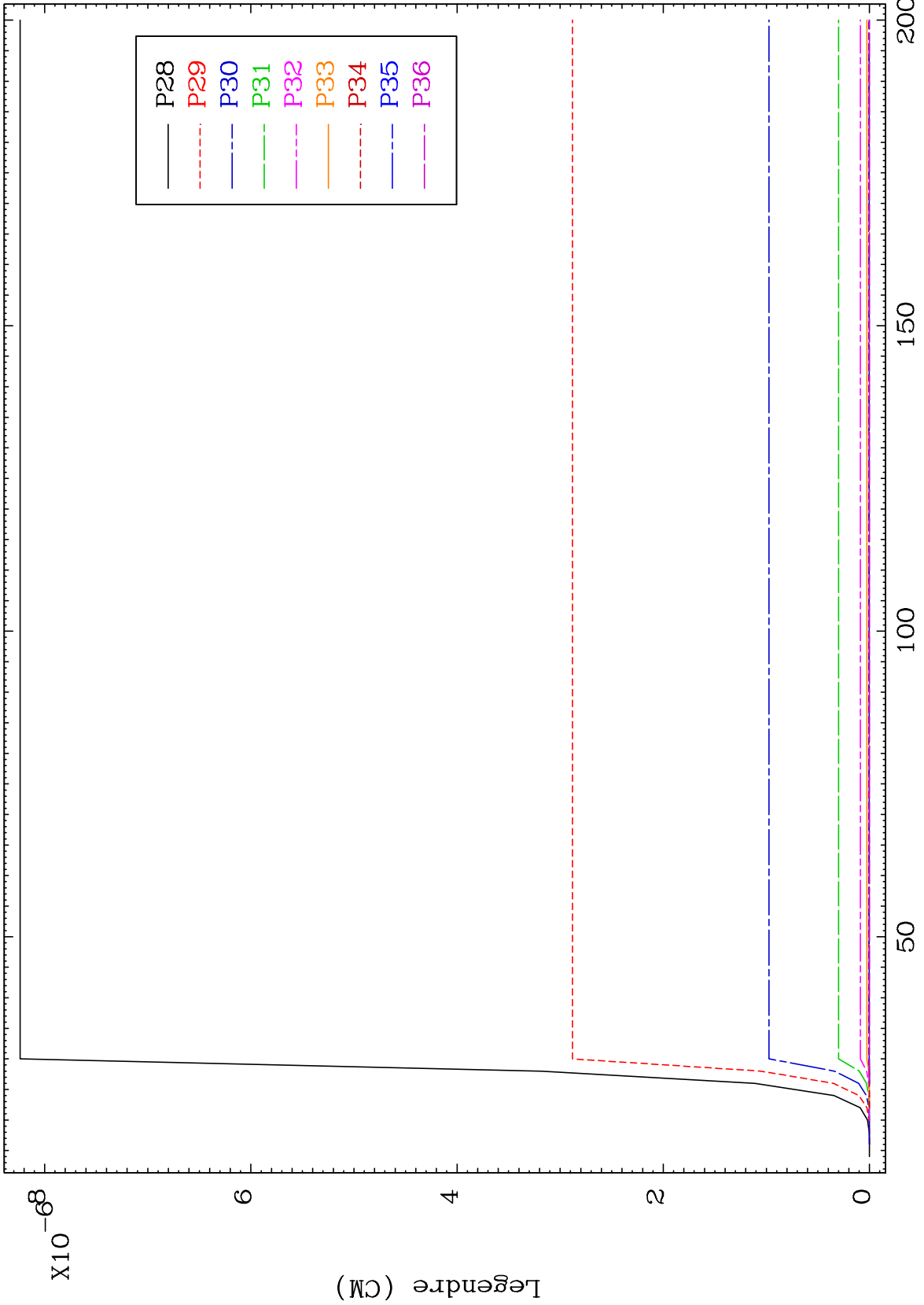
200

63-Eu-141

MAT 6295

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

63-Eu-141



51

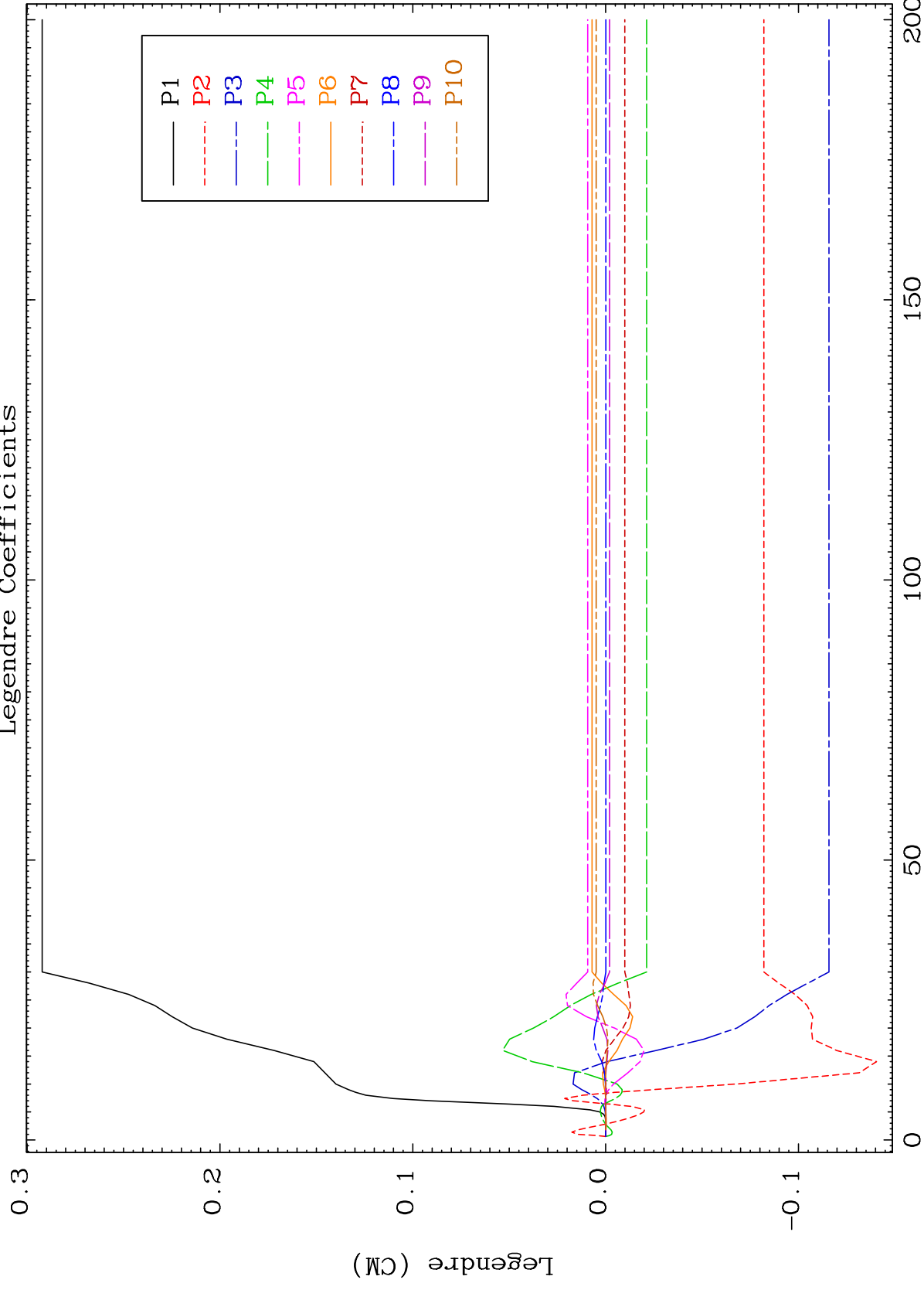
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



52

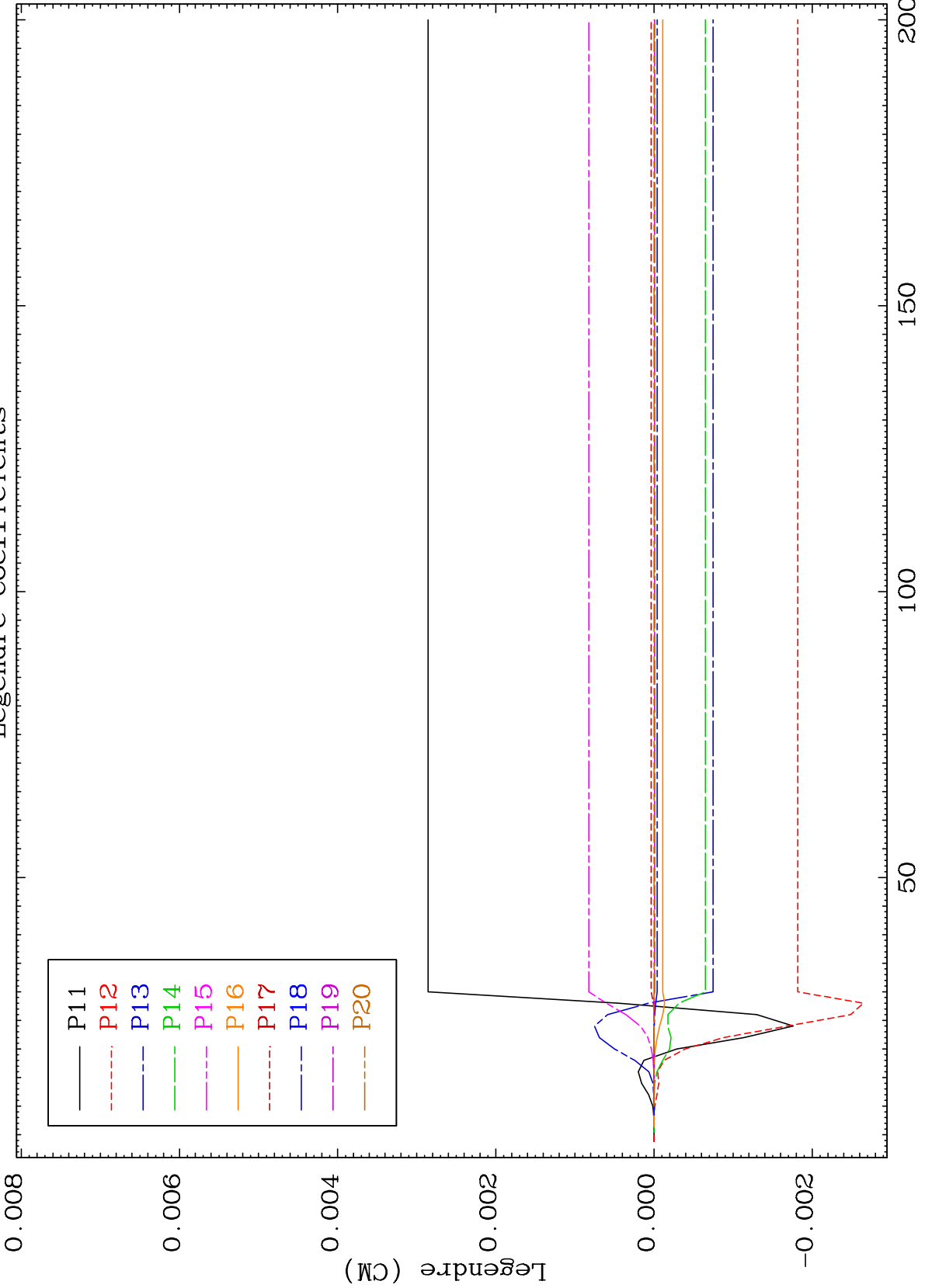
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



53

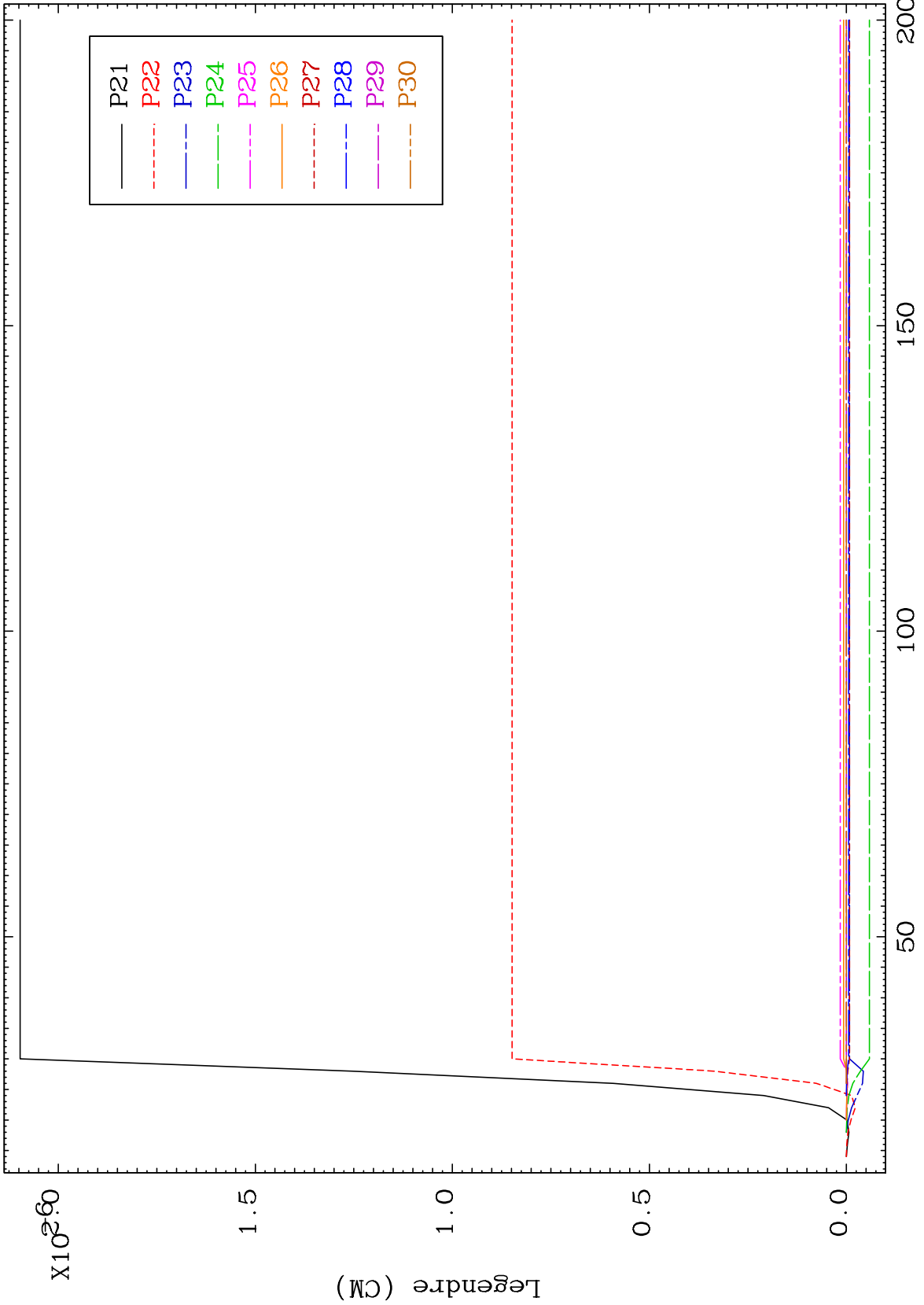
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



54

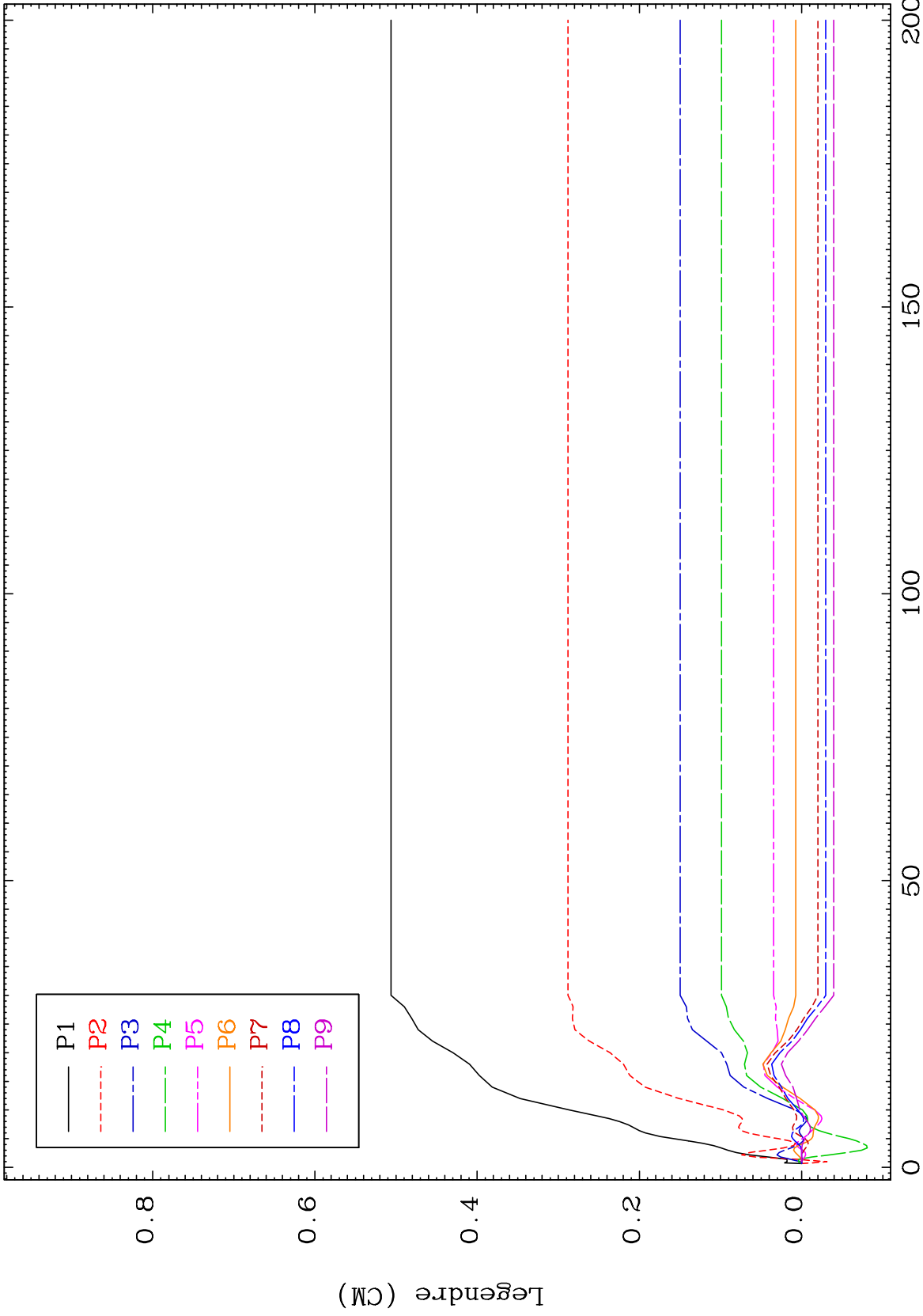
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



55

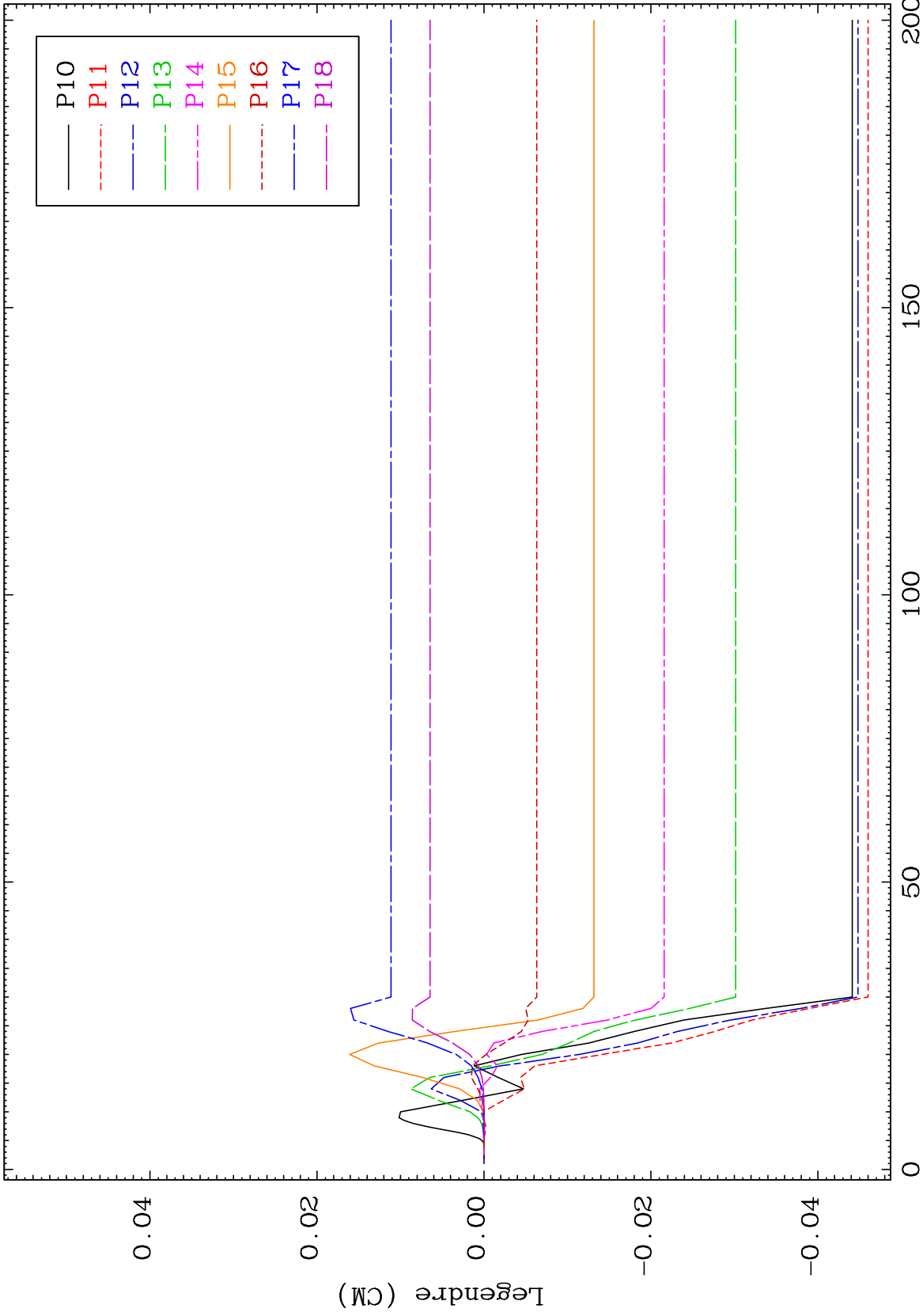
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



56

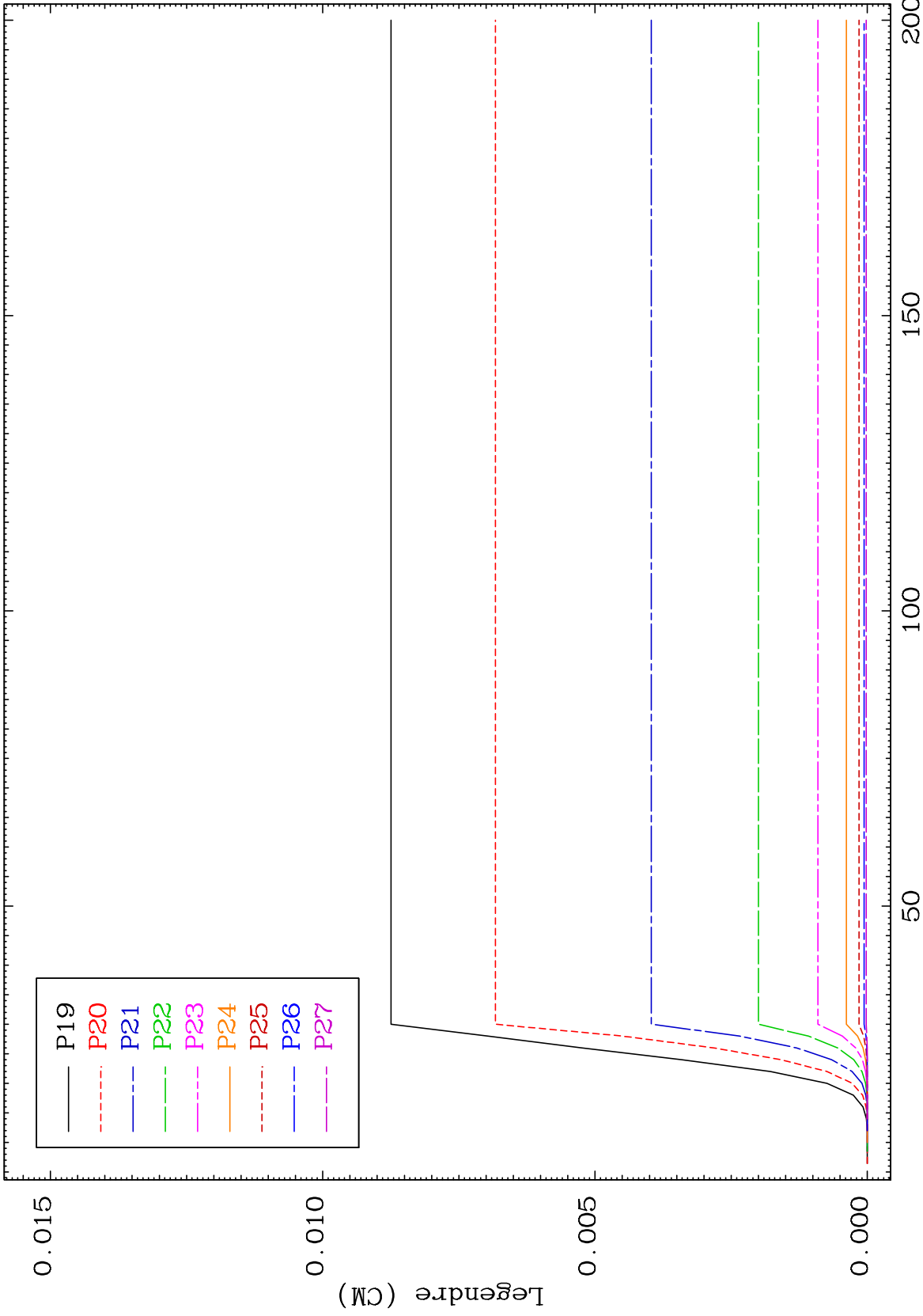
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



57

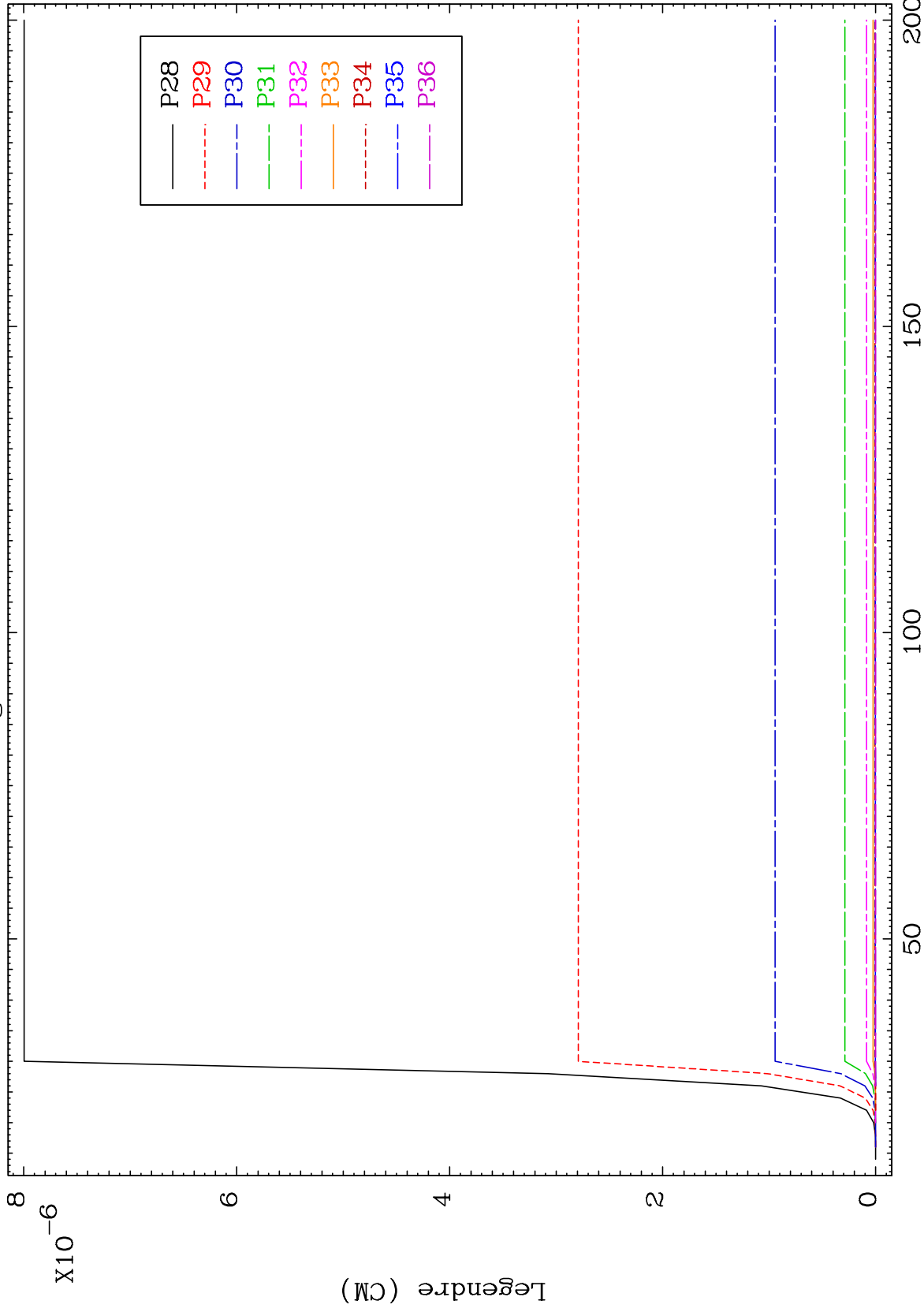
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



58

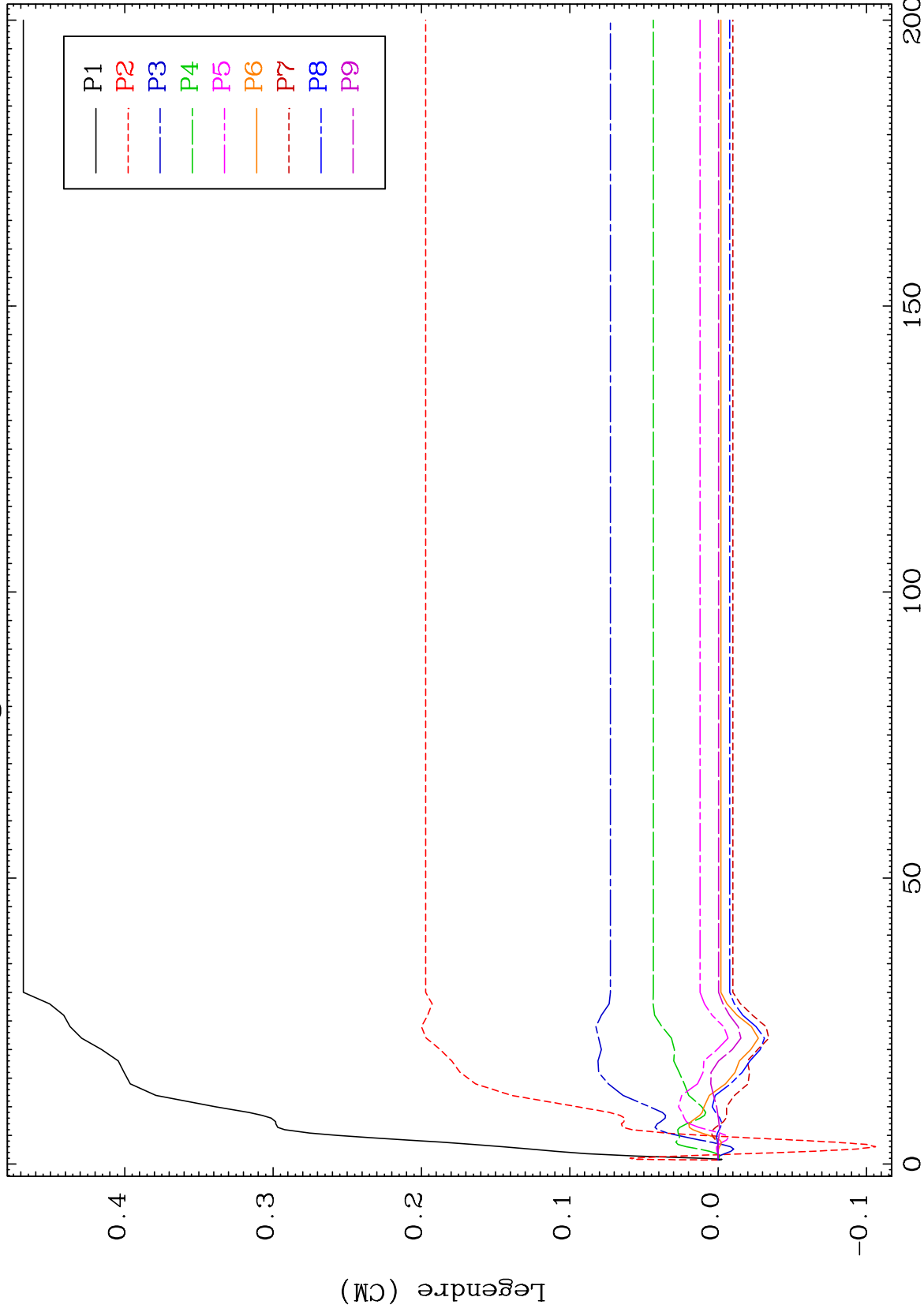
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141

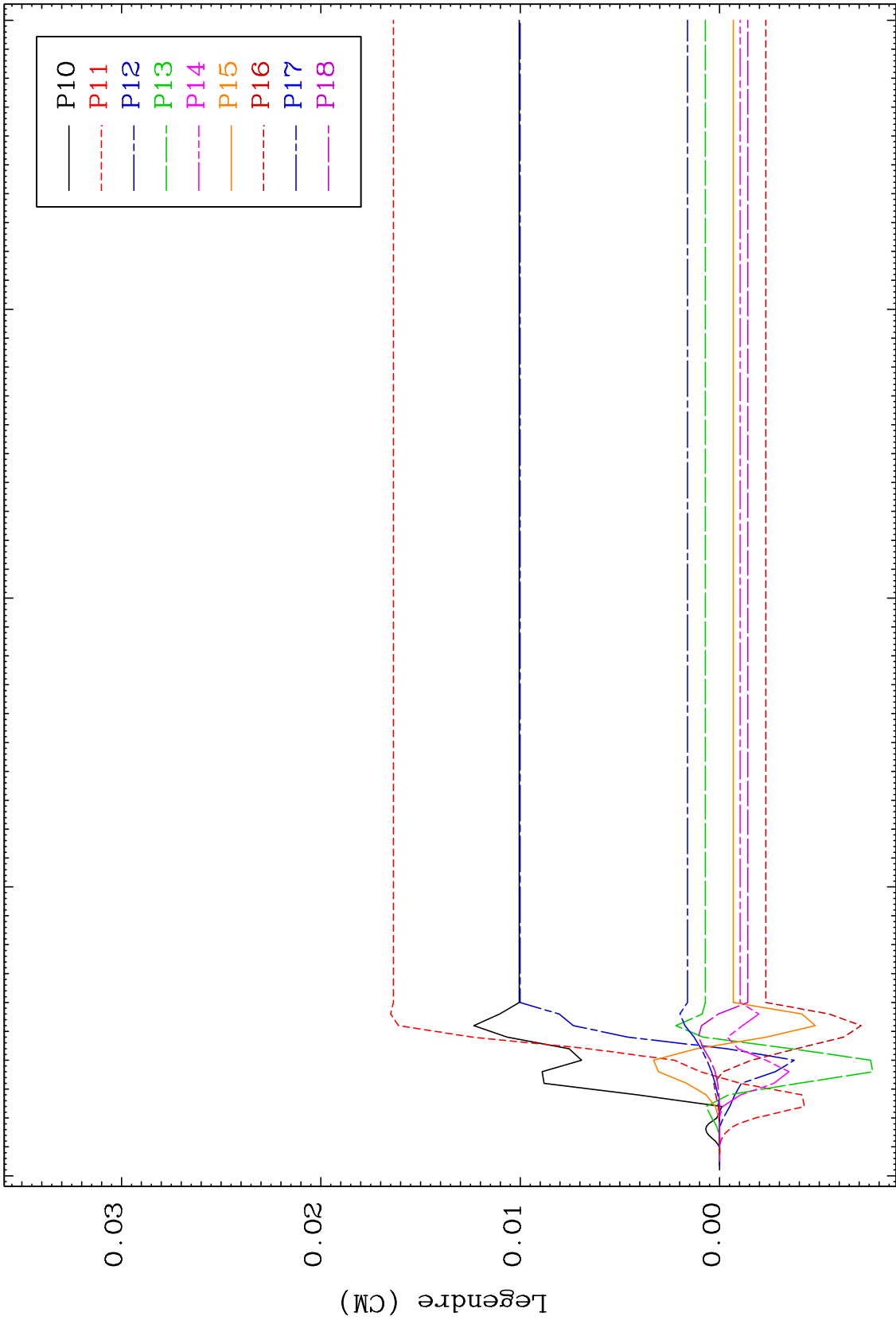


59

Incident Energy (MeV)

63-Eu-141

MAT 6295 MT= 61 (n,n') Level Legendre Coefficients 63-Eu-141

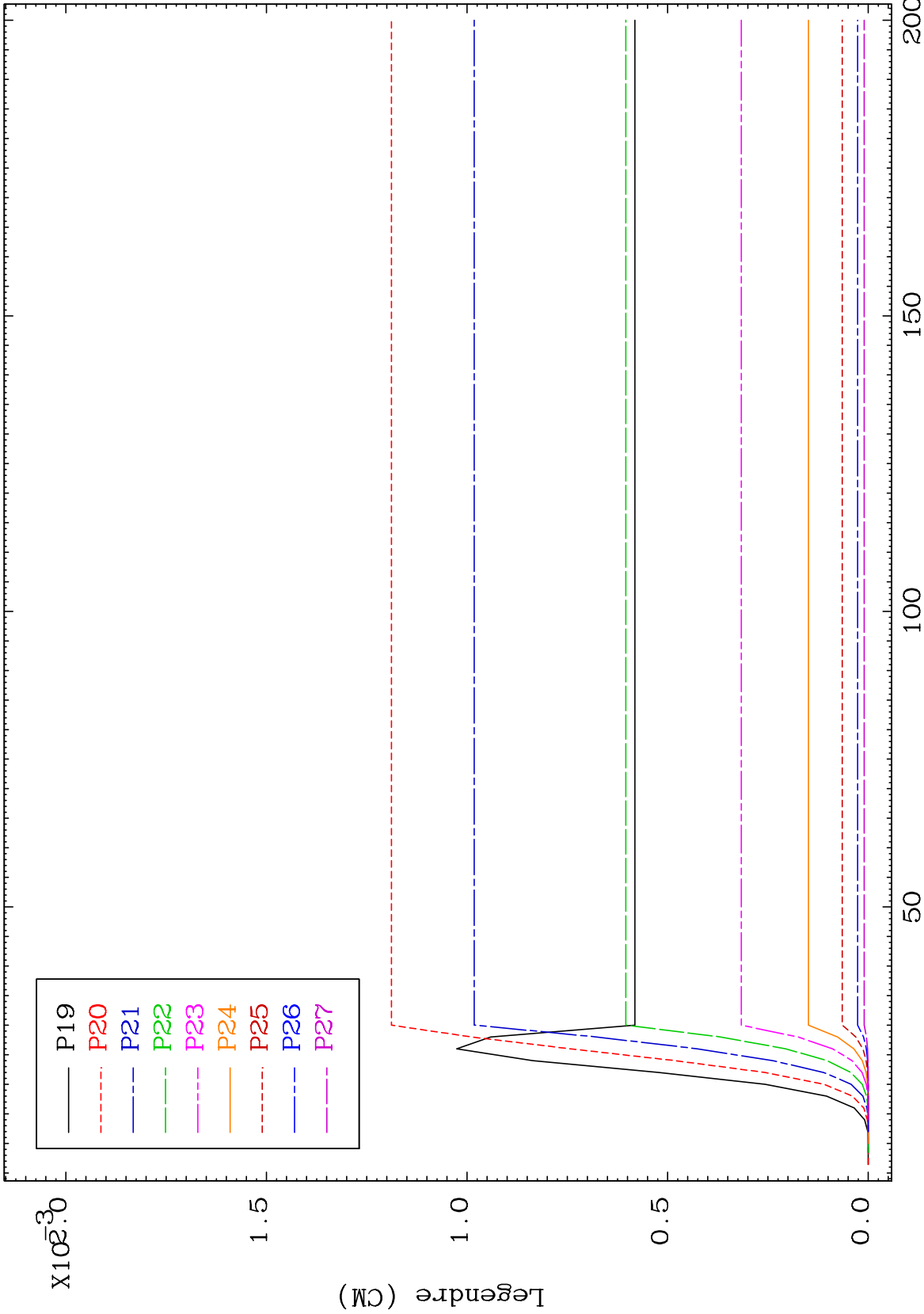


63-Eu-141

MAT 6295

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

63-Eu-141



61

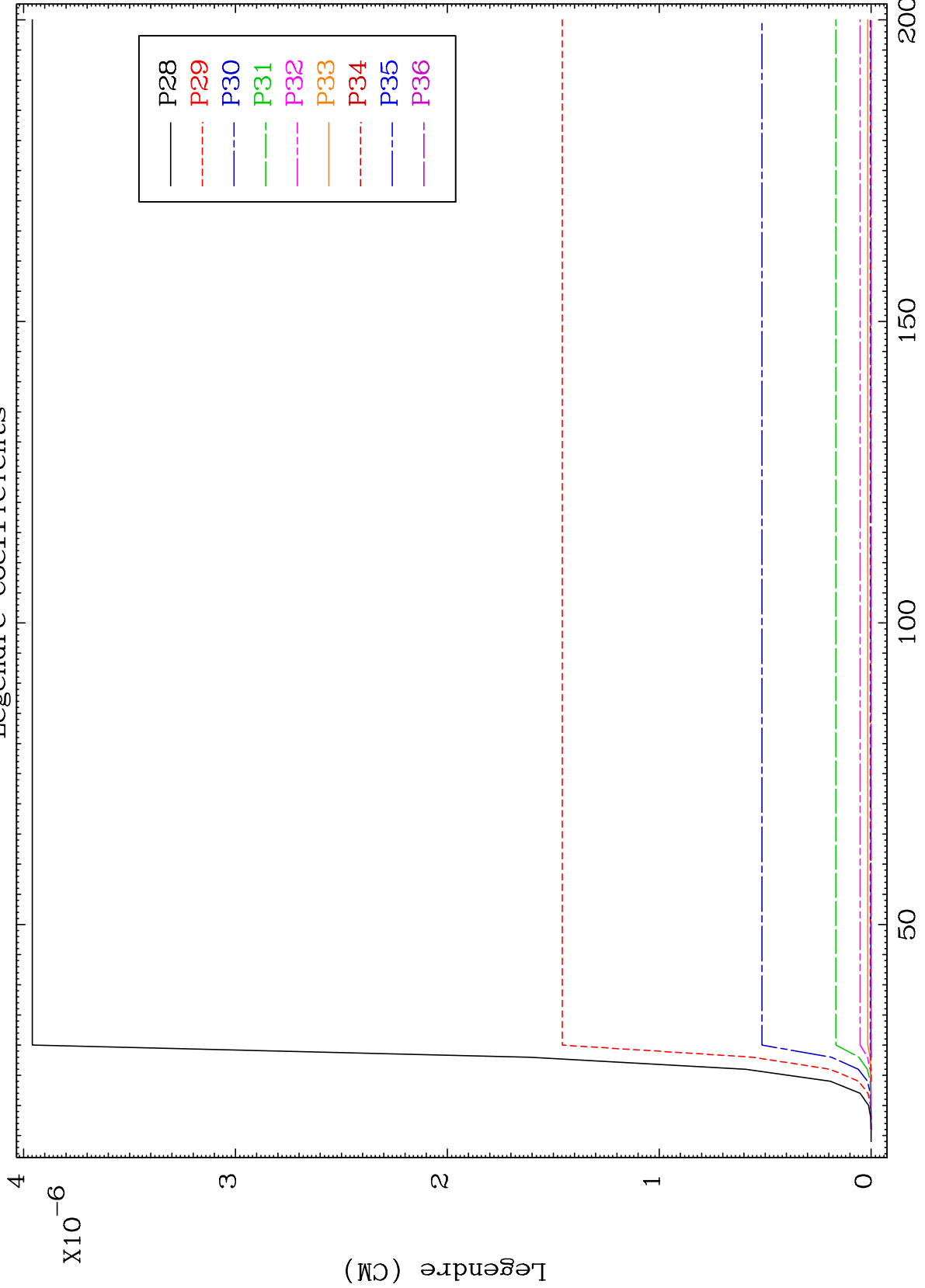
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



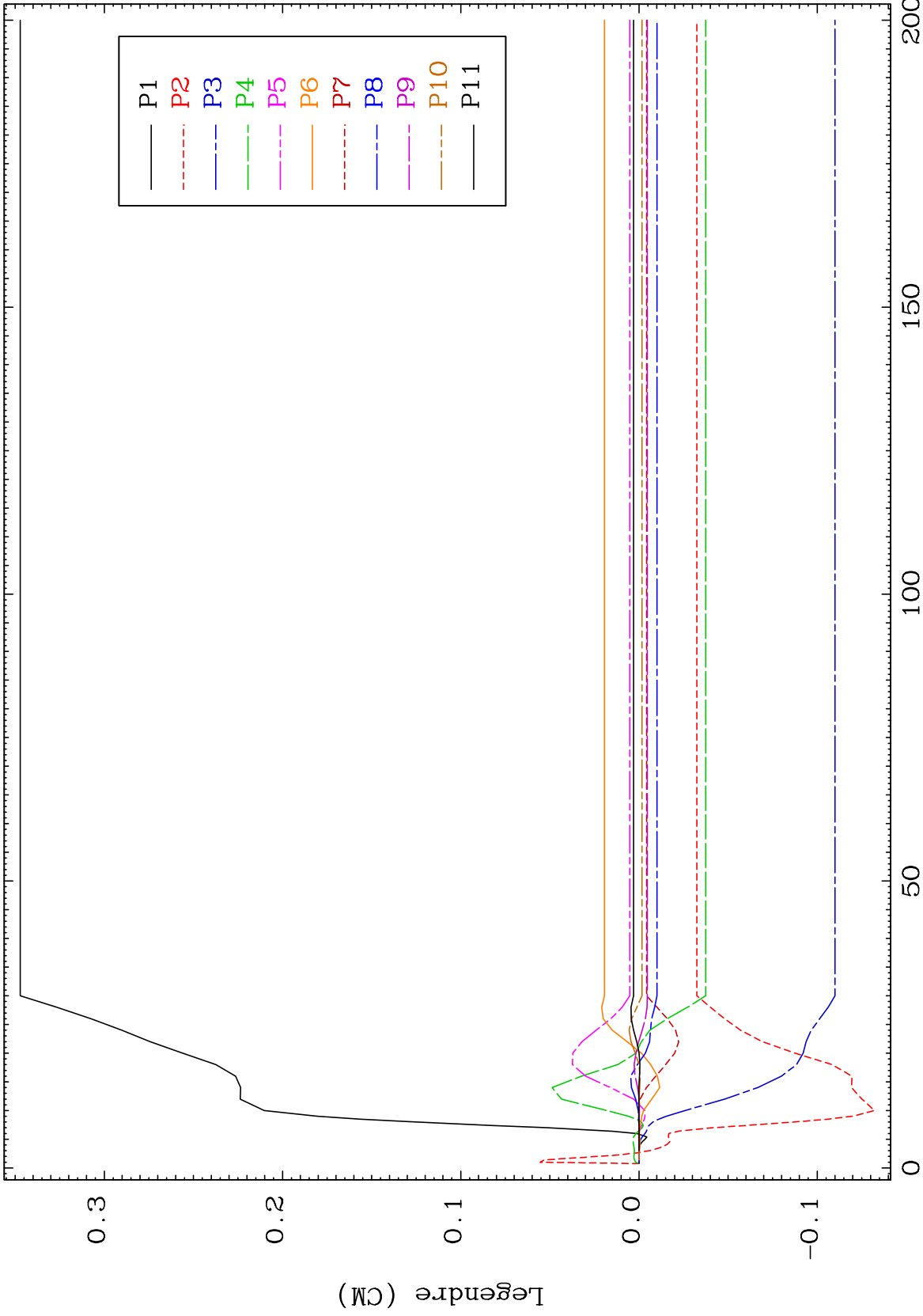
62

63-Eu-141

MAT 6295

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

63-Eu-141



63

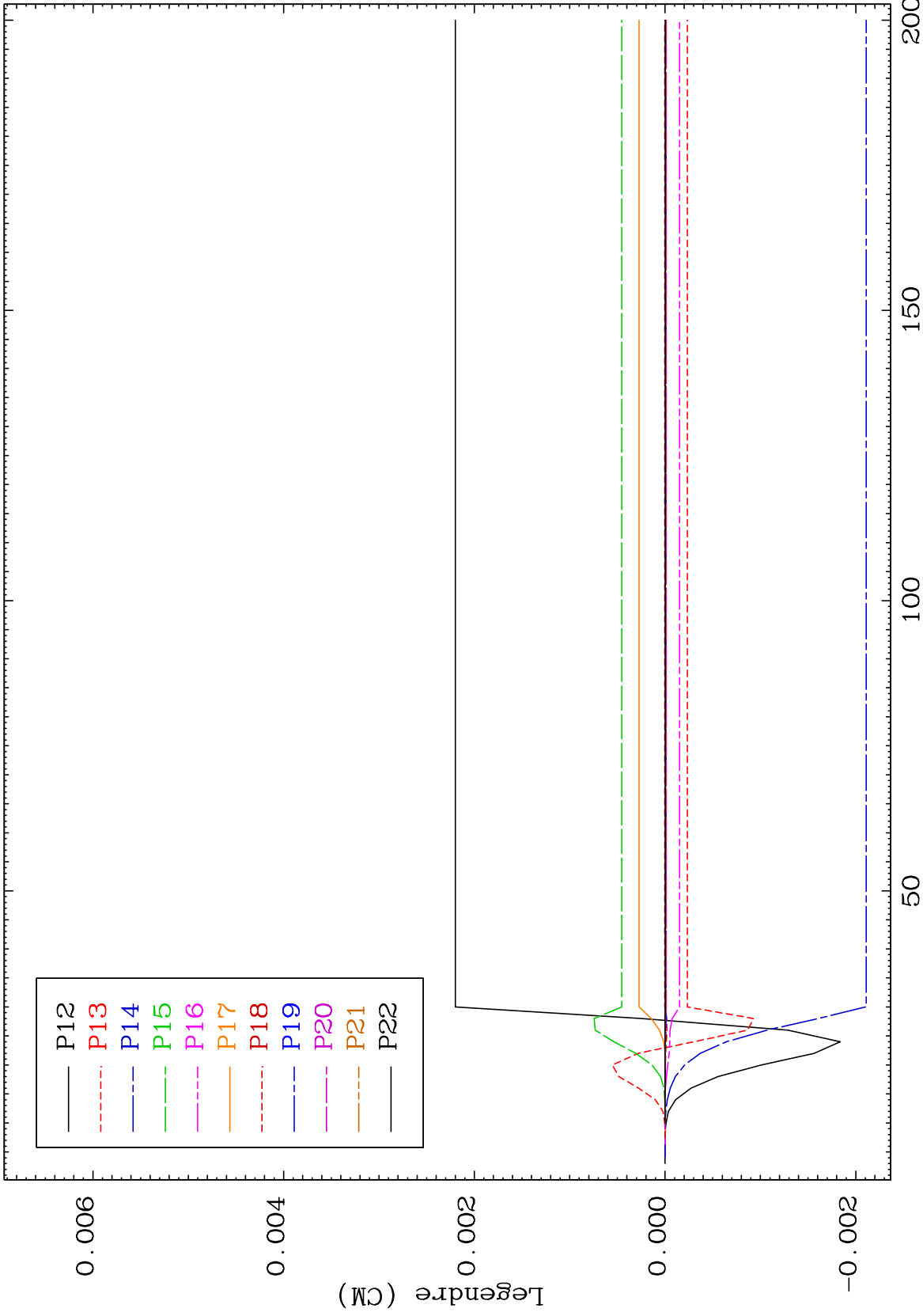
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



64

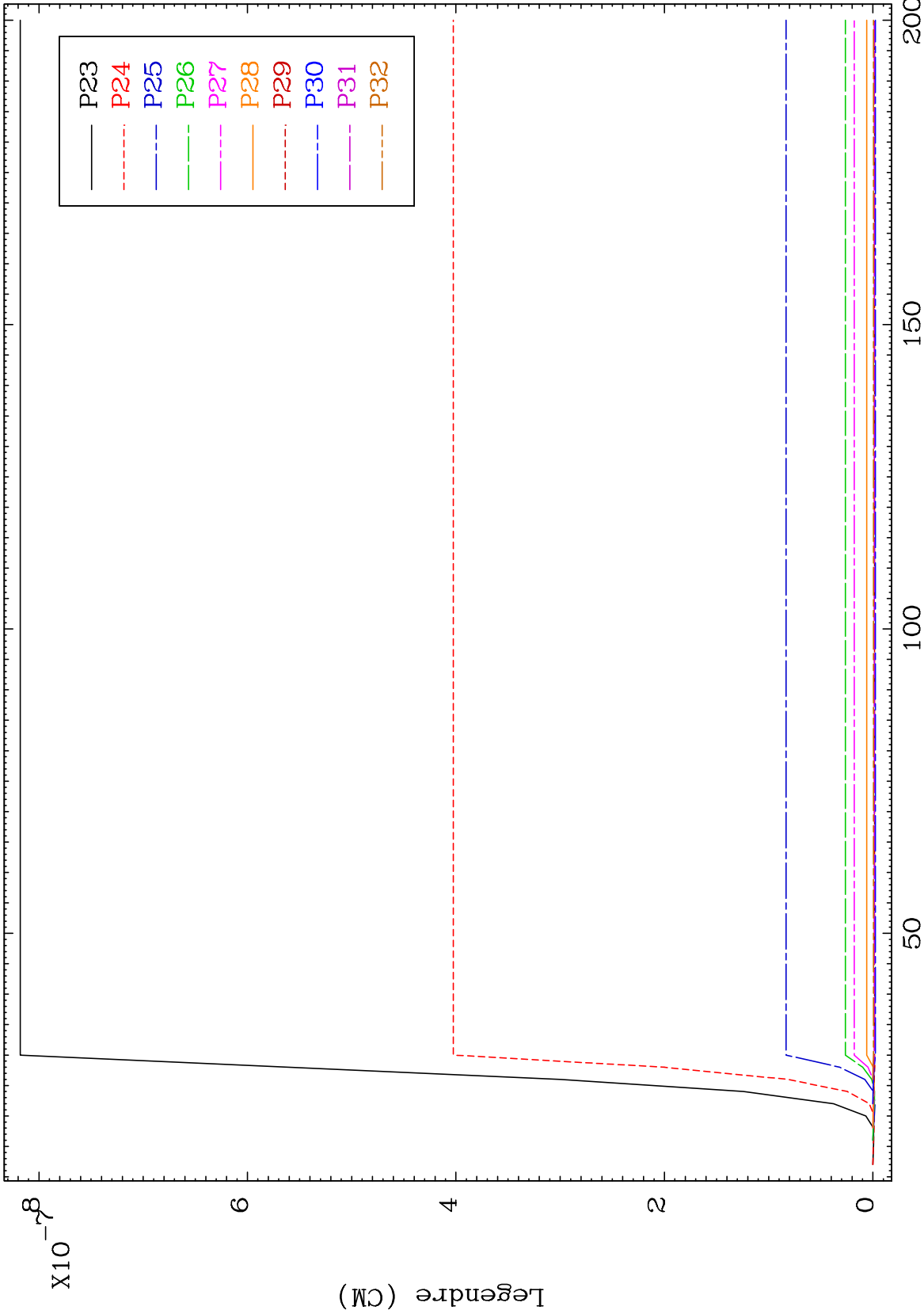
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



65

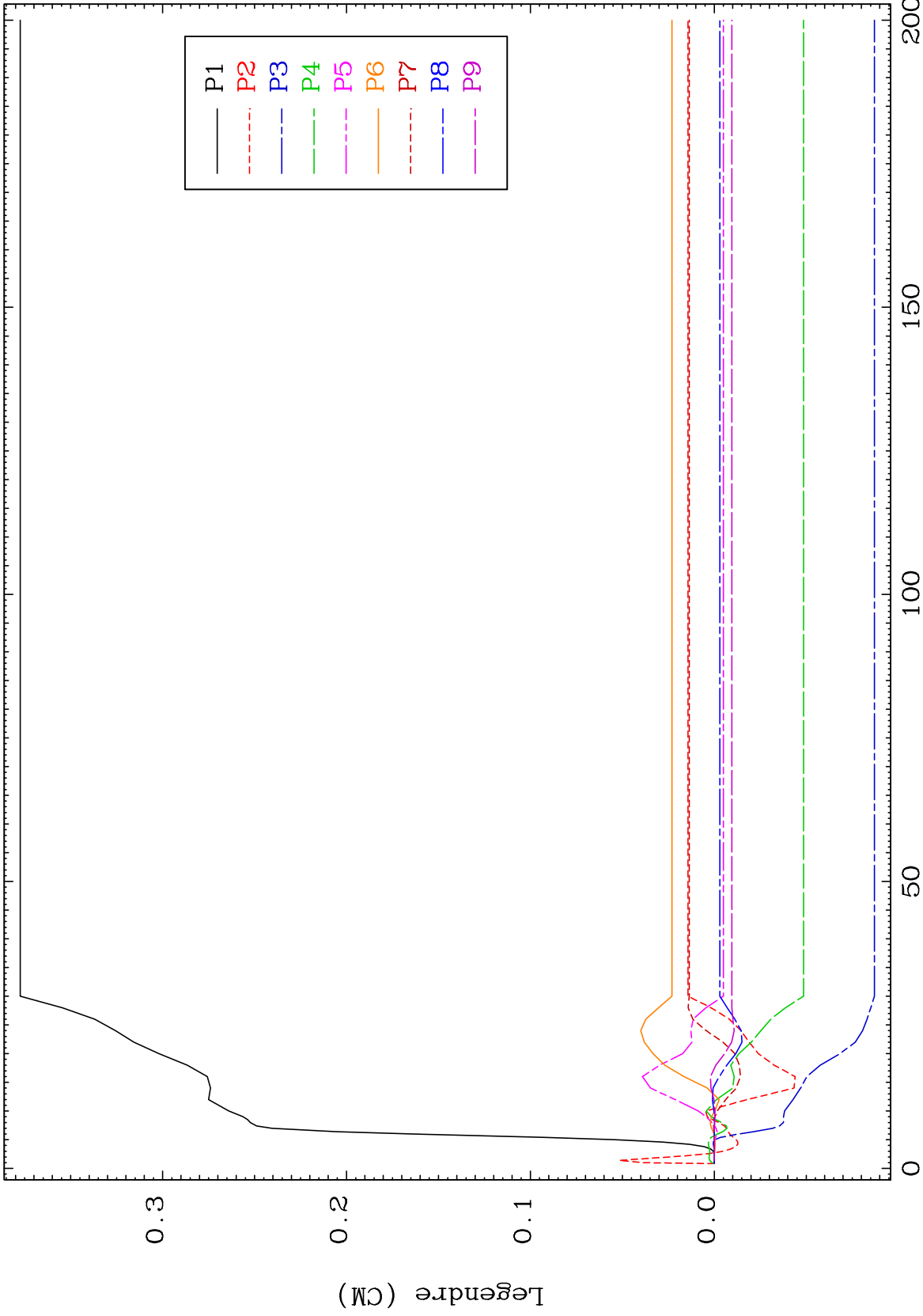
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



66

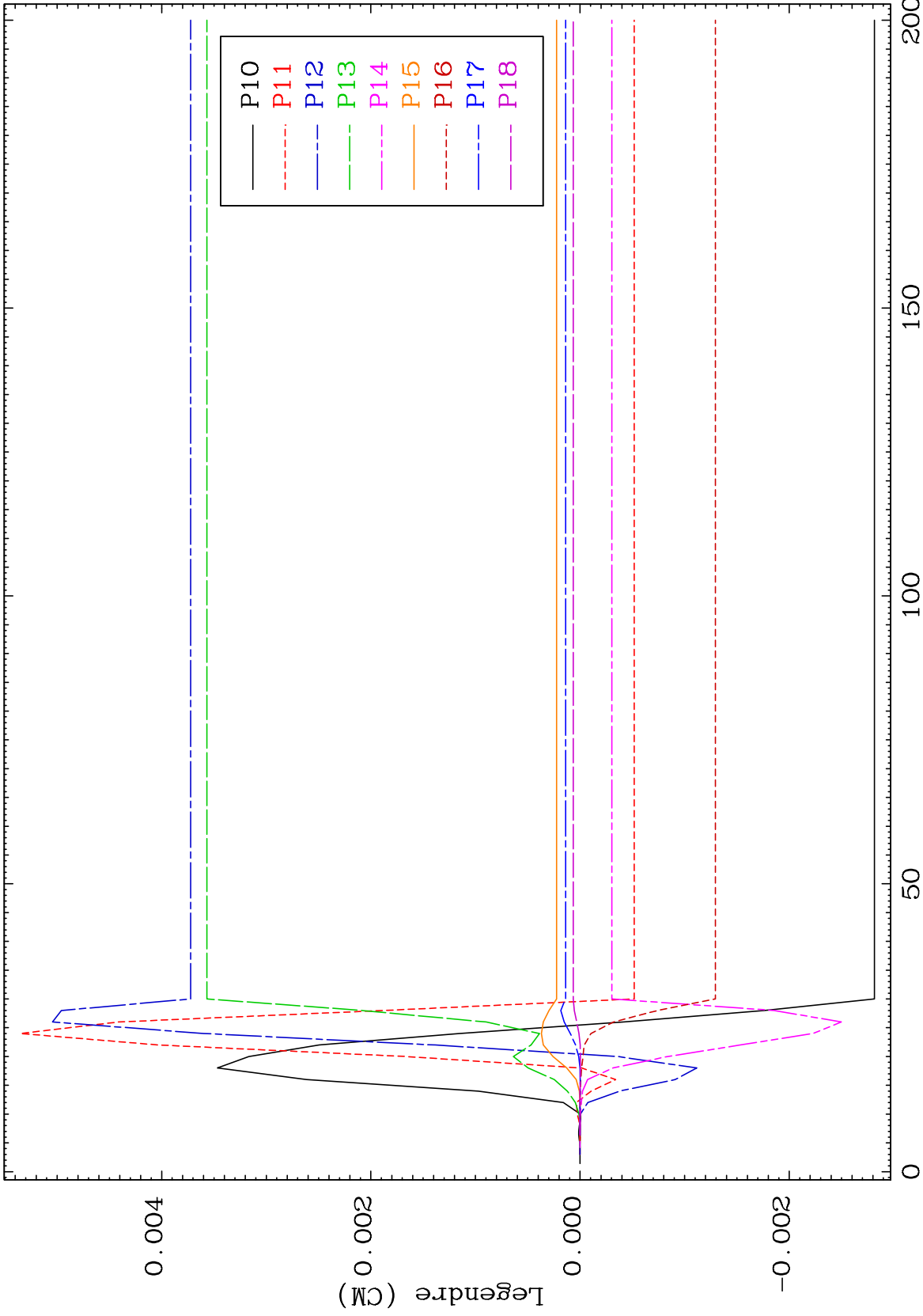
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



67

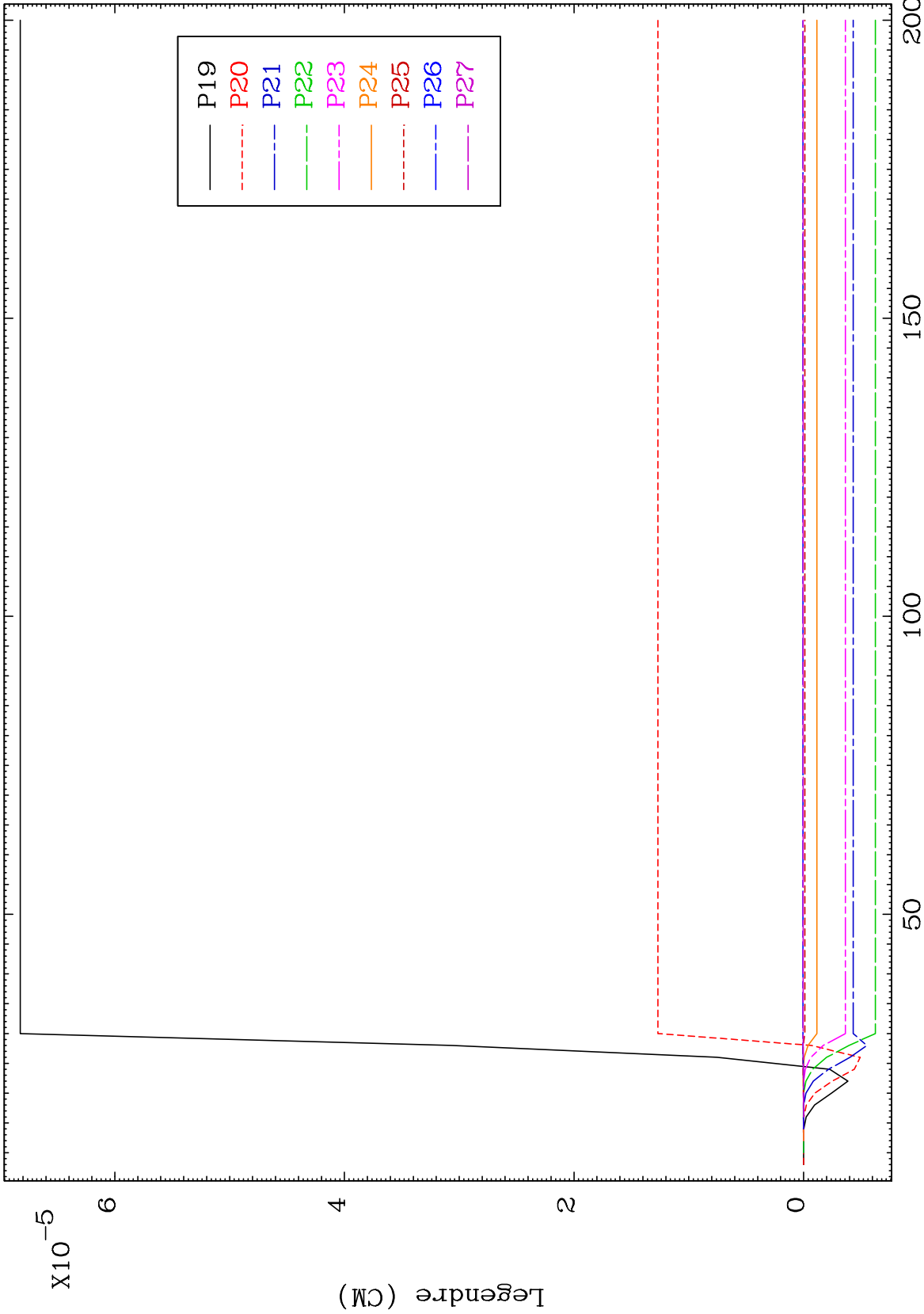
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



68

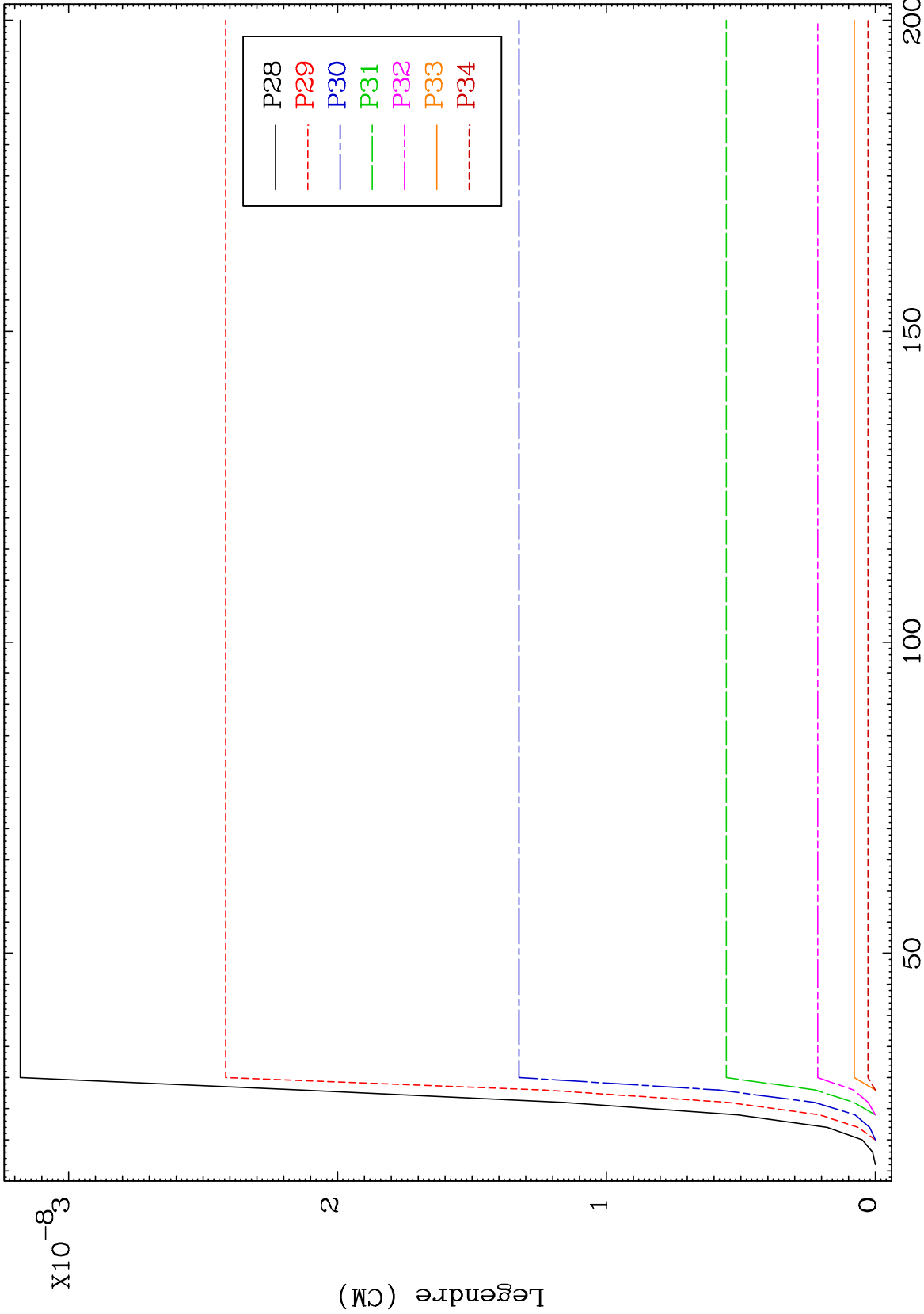
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



69

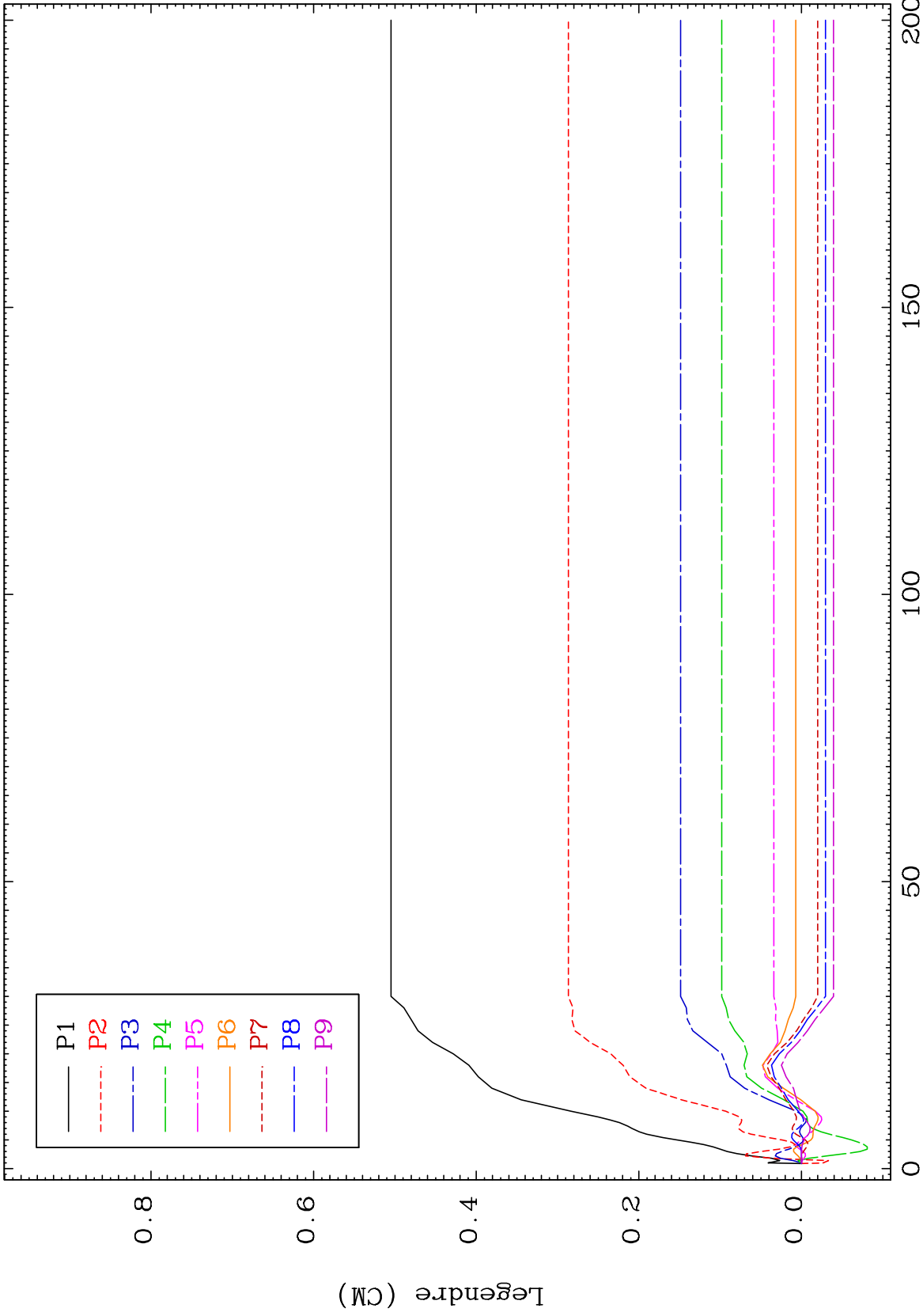
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



70

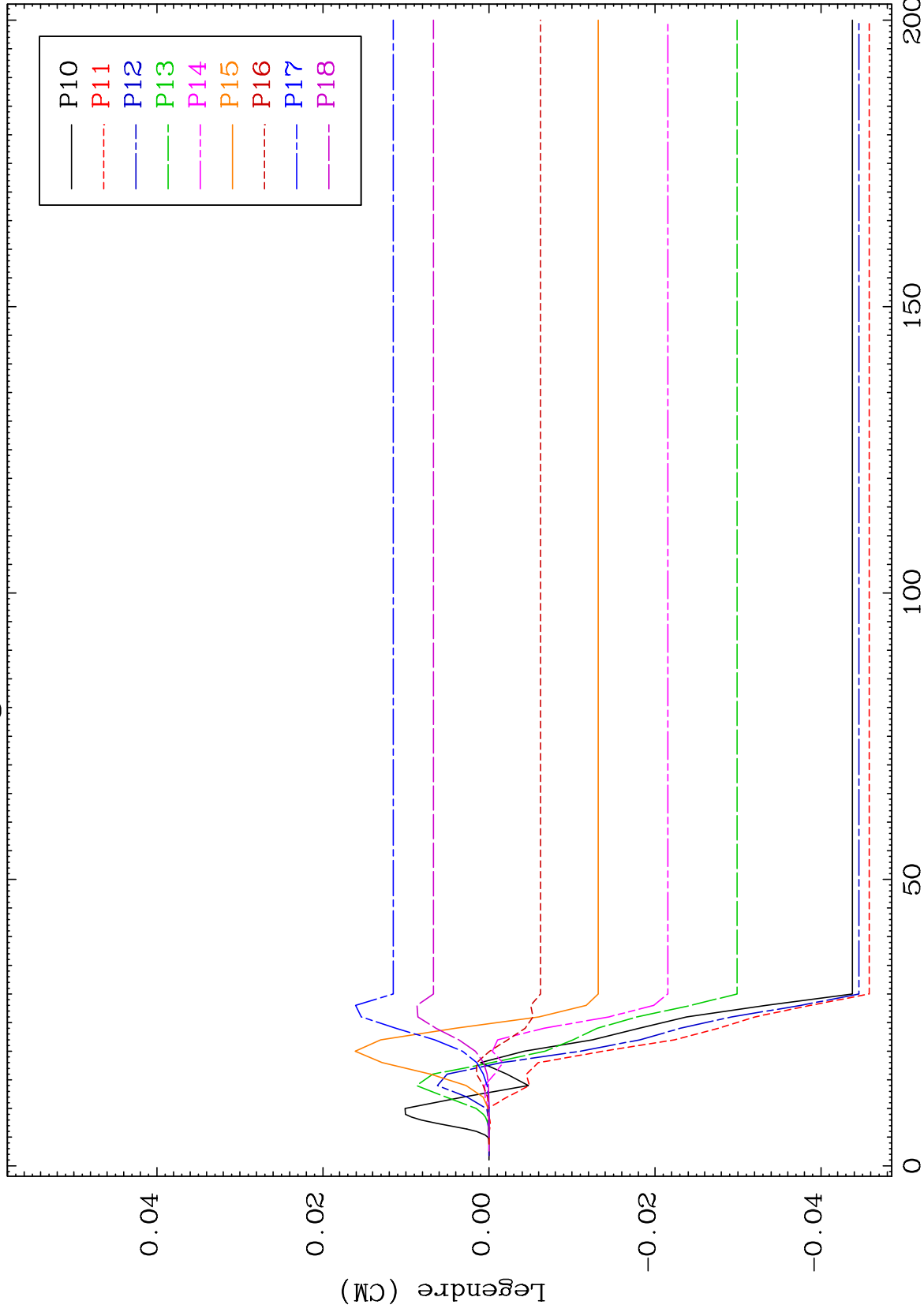
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



71

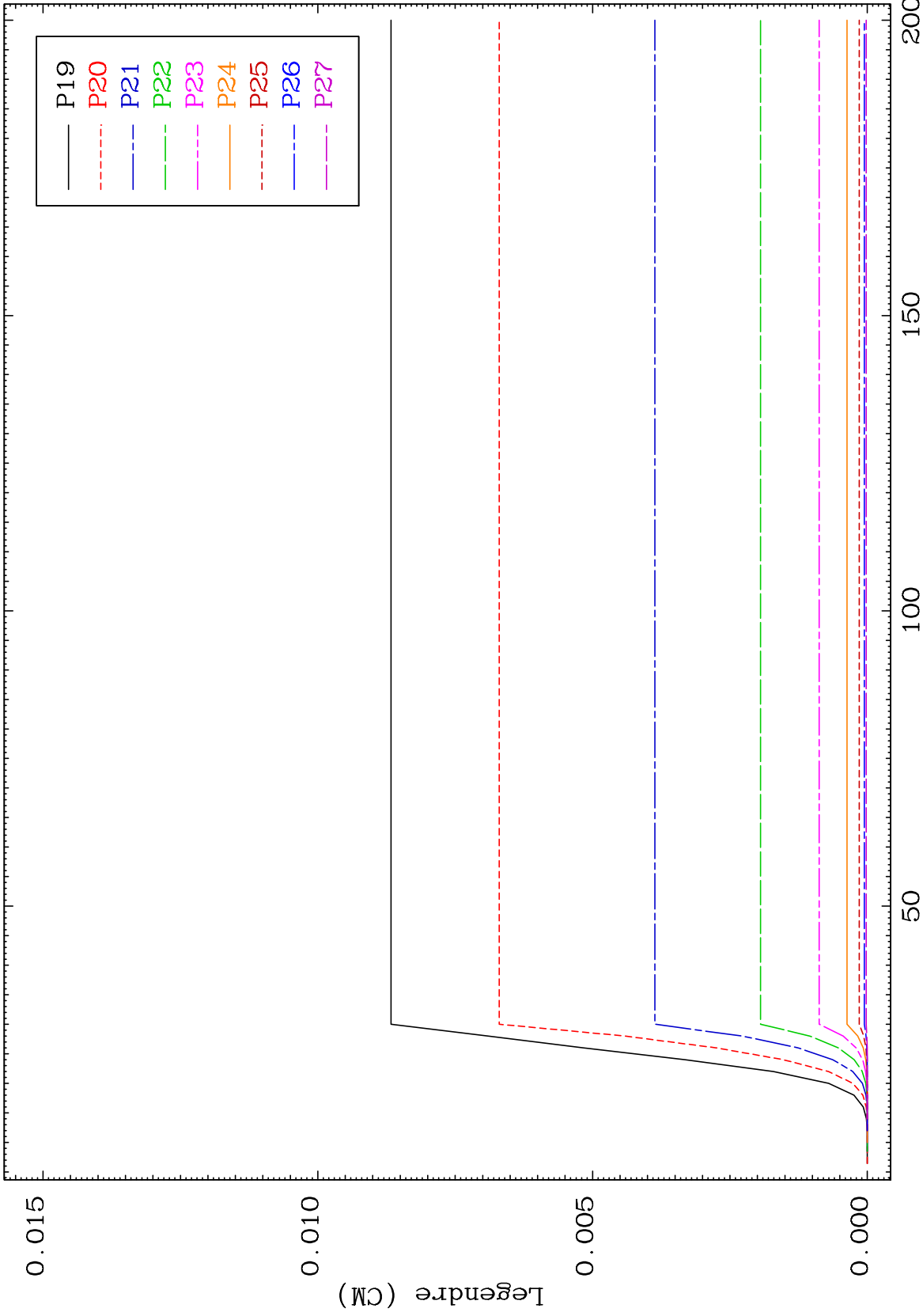
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



72

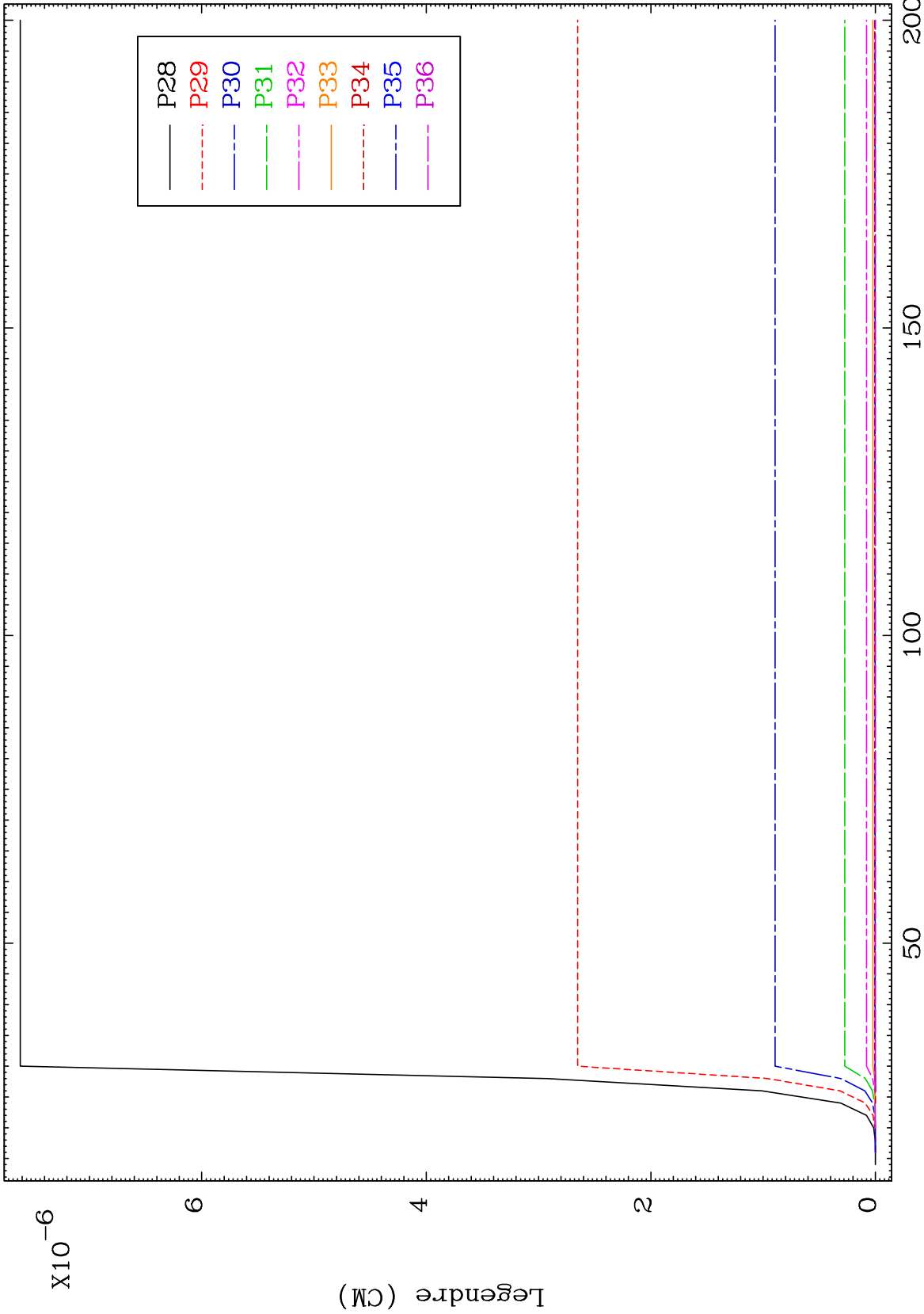
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



73

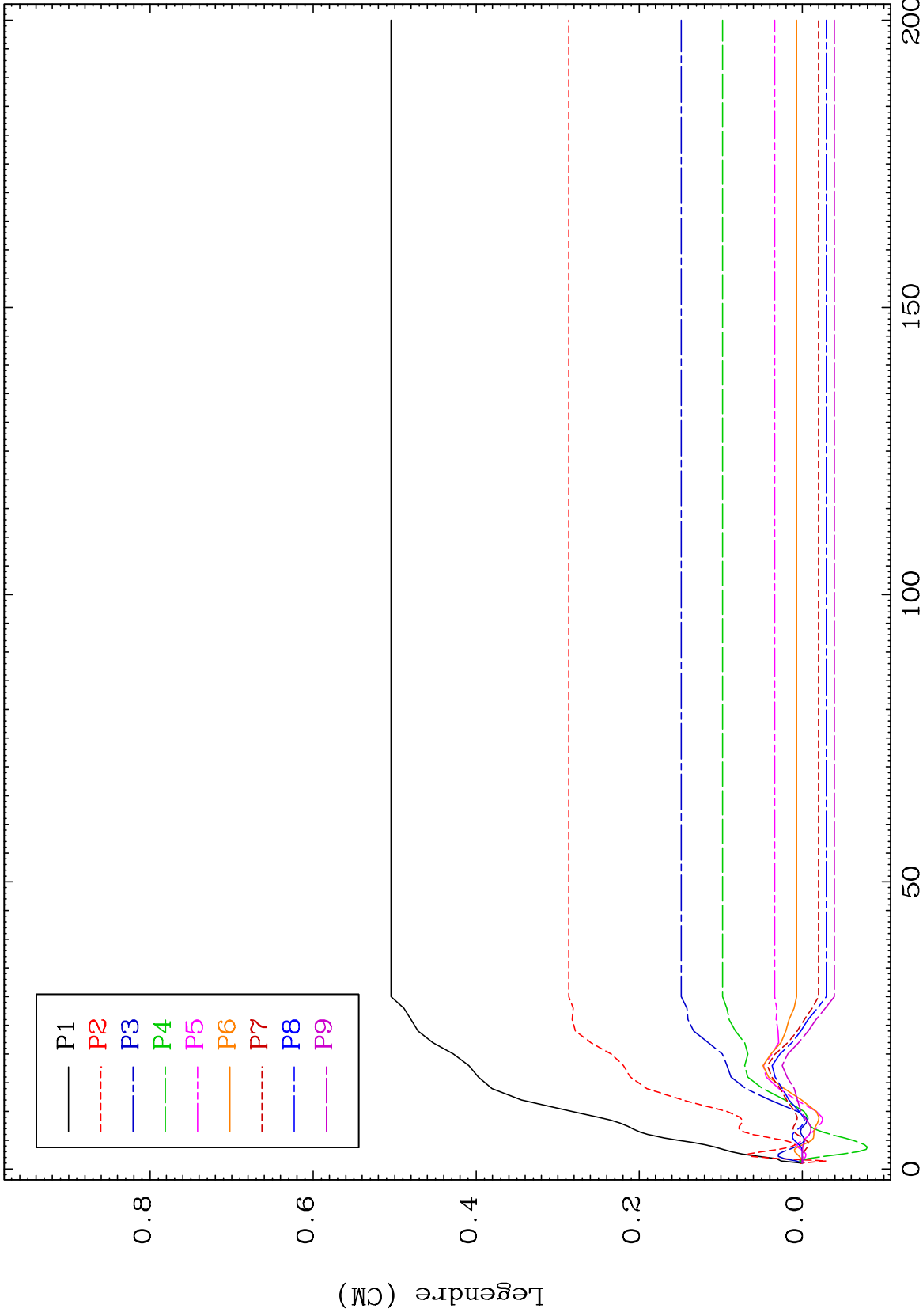
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



74

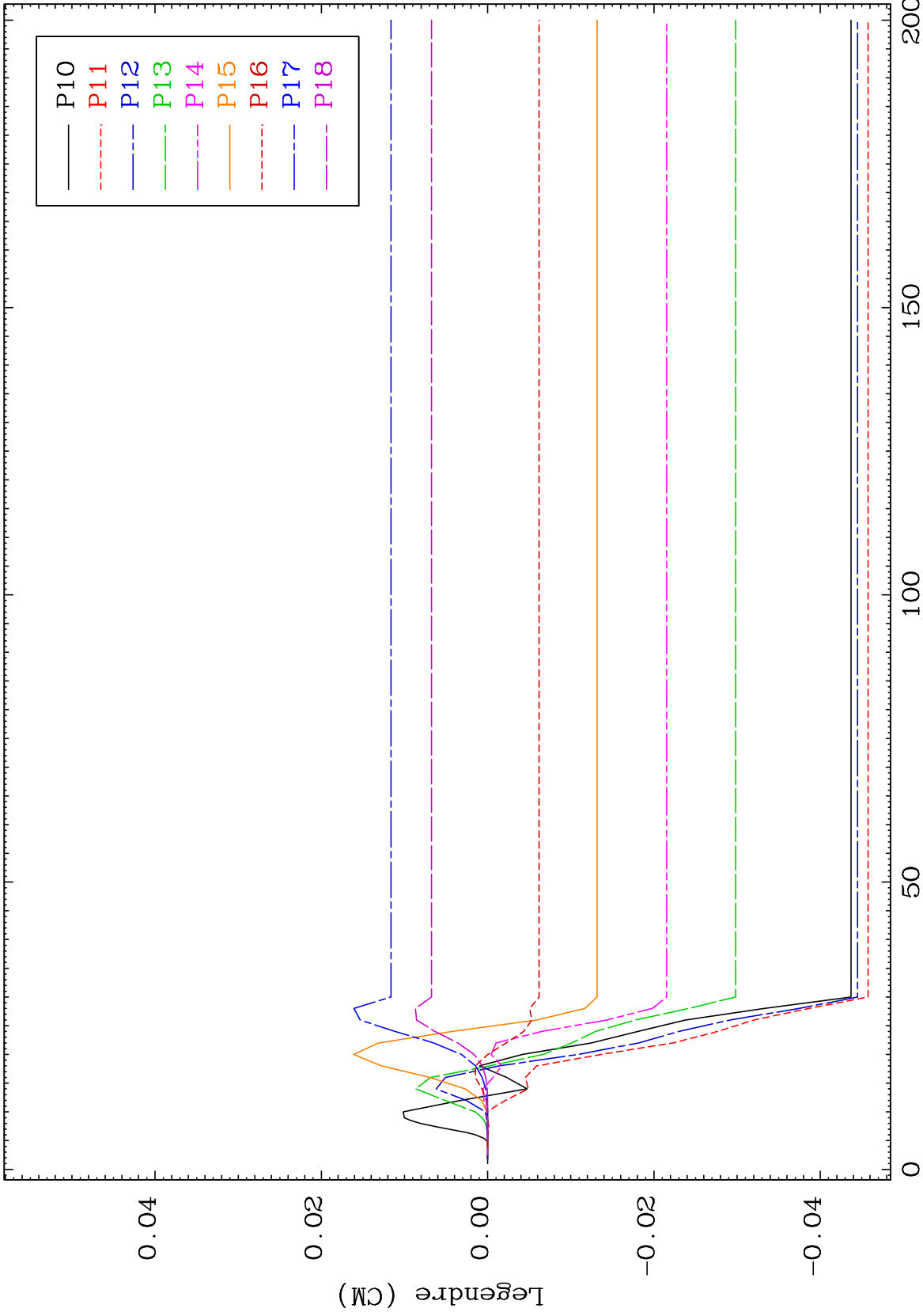
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



75

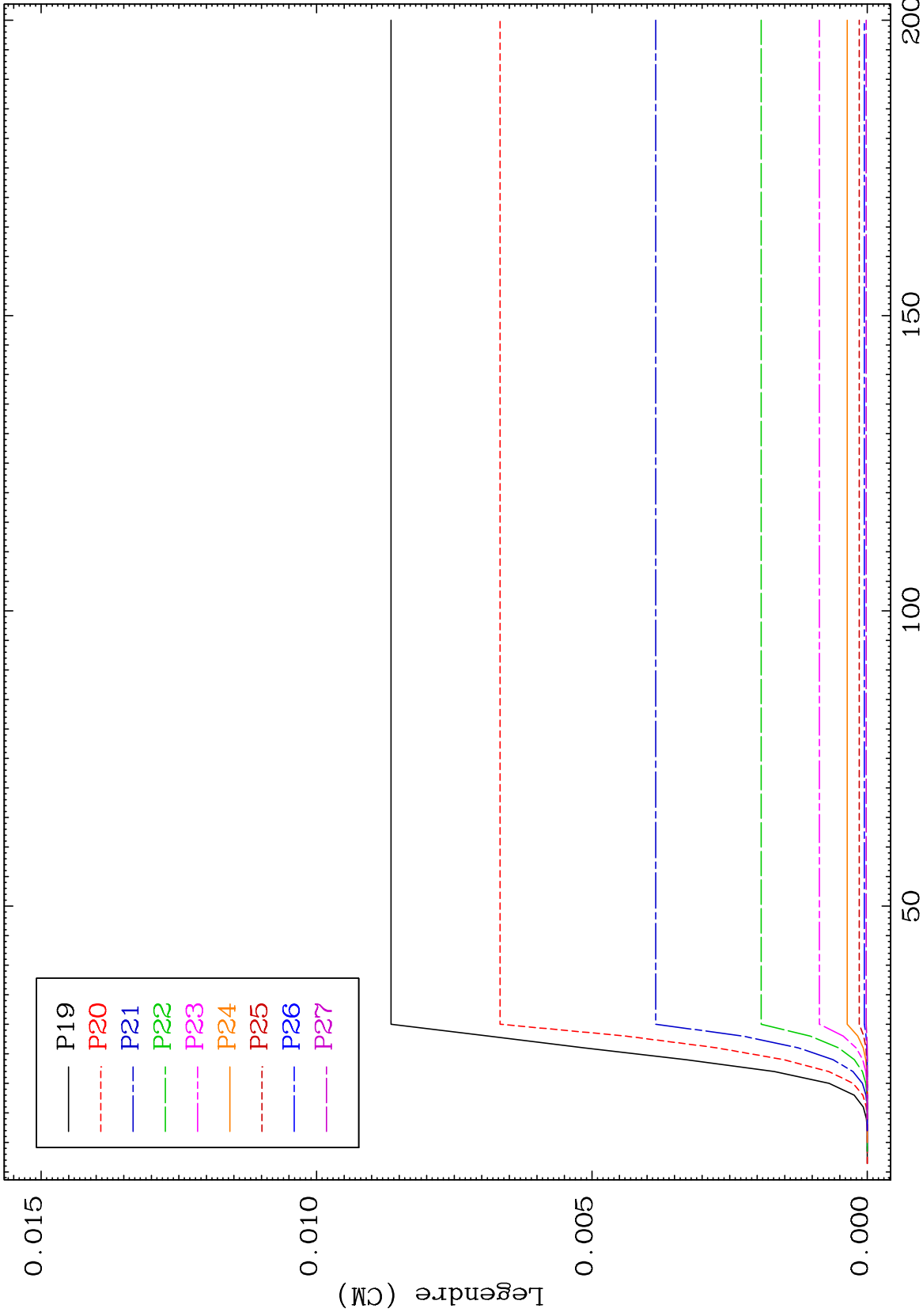
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



76

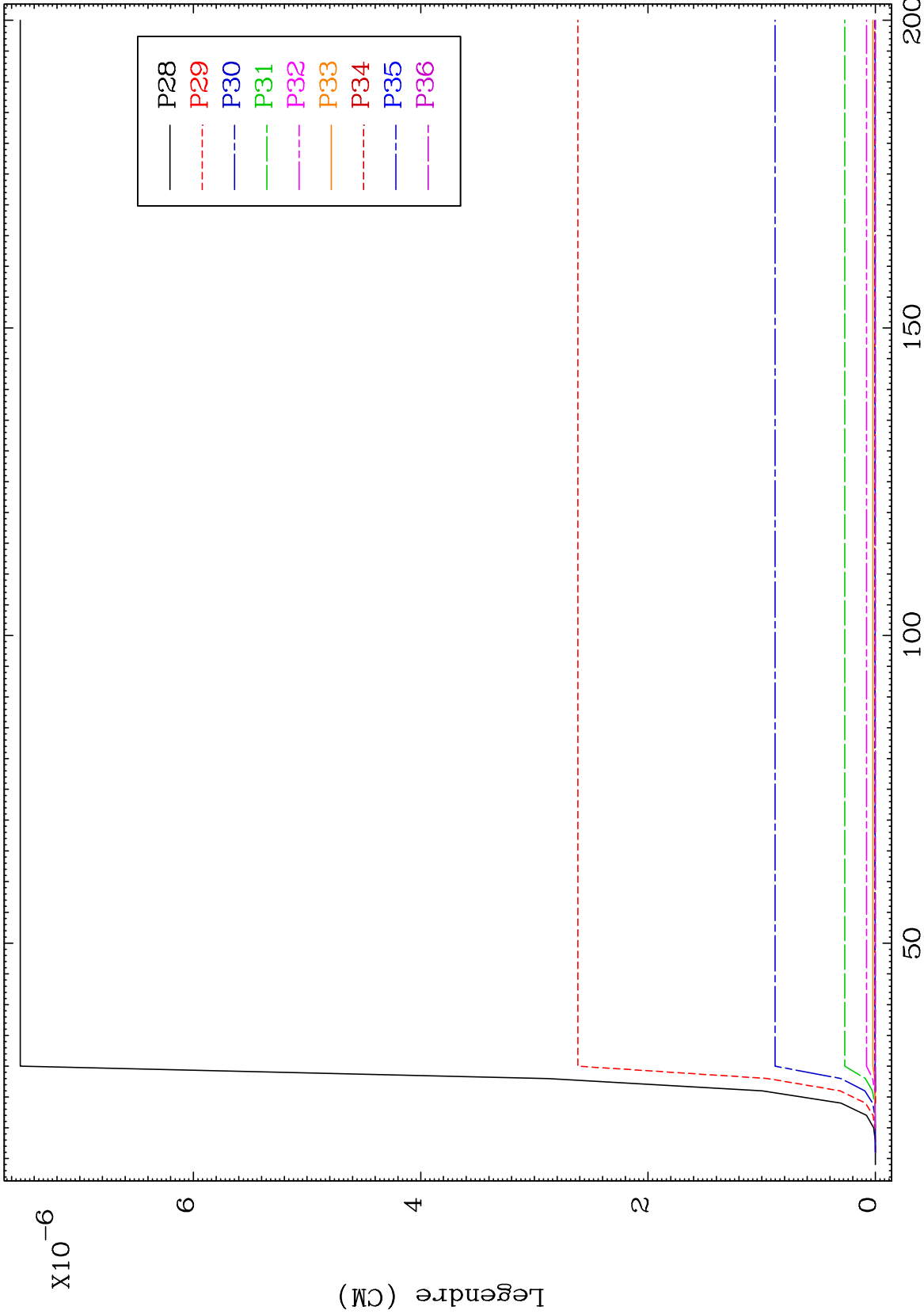
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

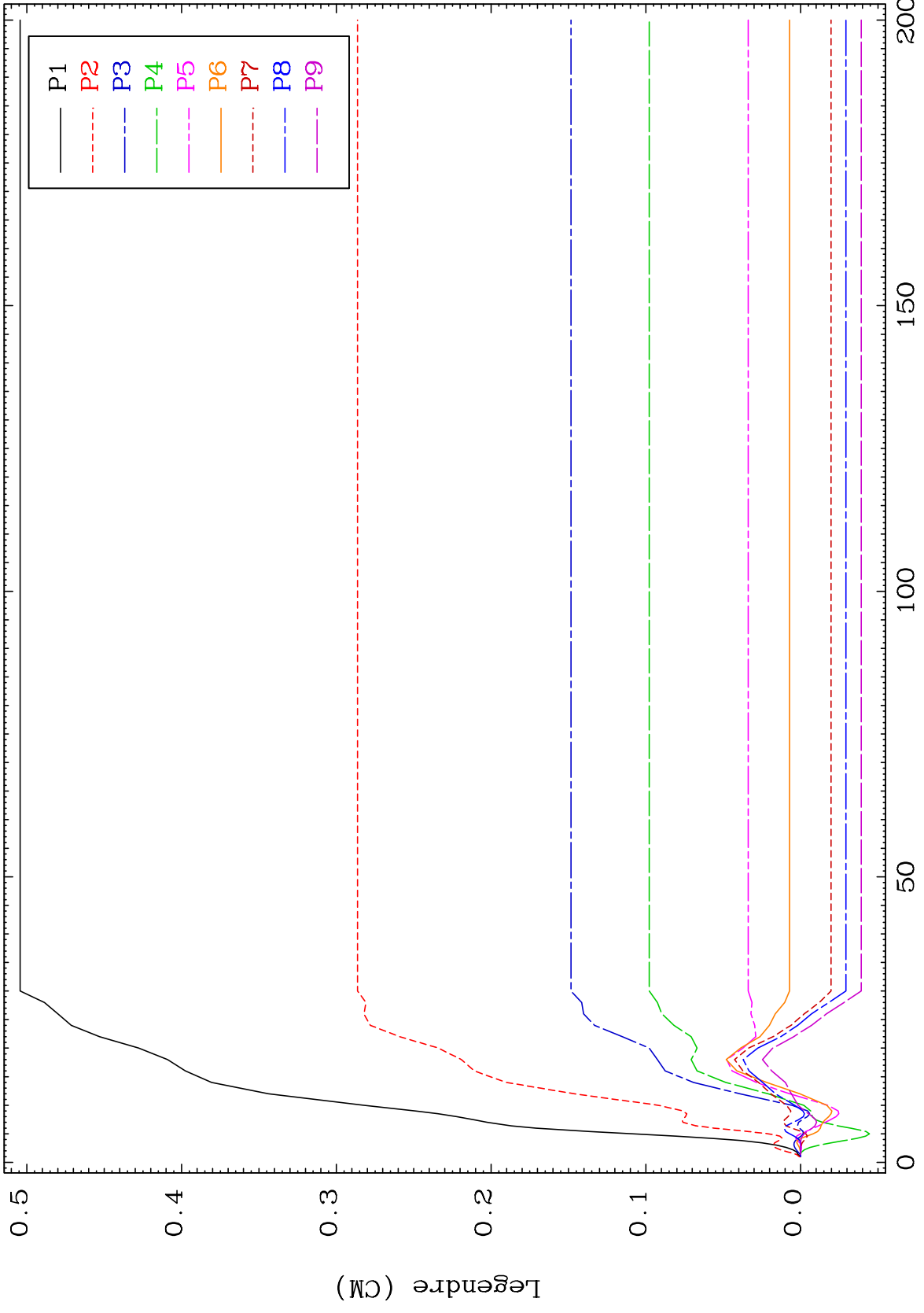
63-Eu-141



77

63-Eu-141

MAT 6295 MT= 66 (n,n') Level Legendre Coefficients 63-Eu-141

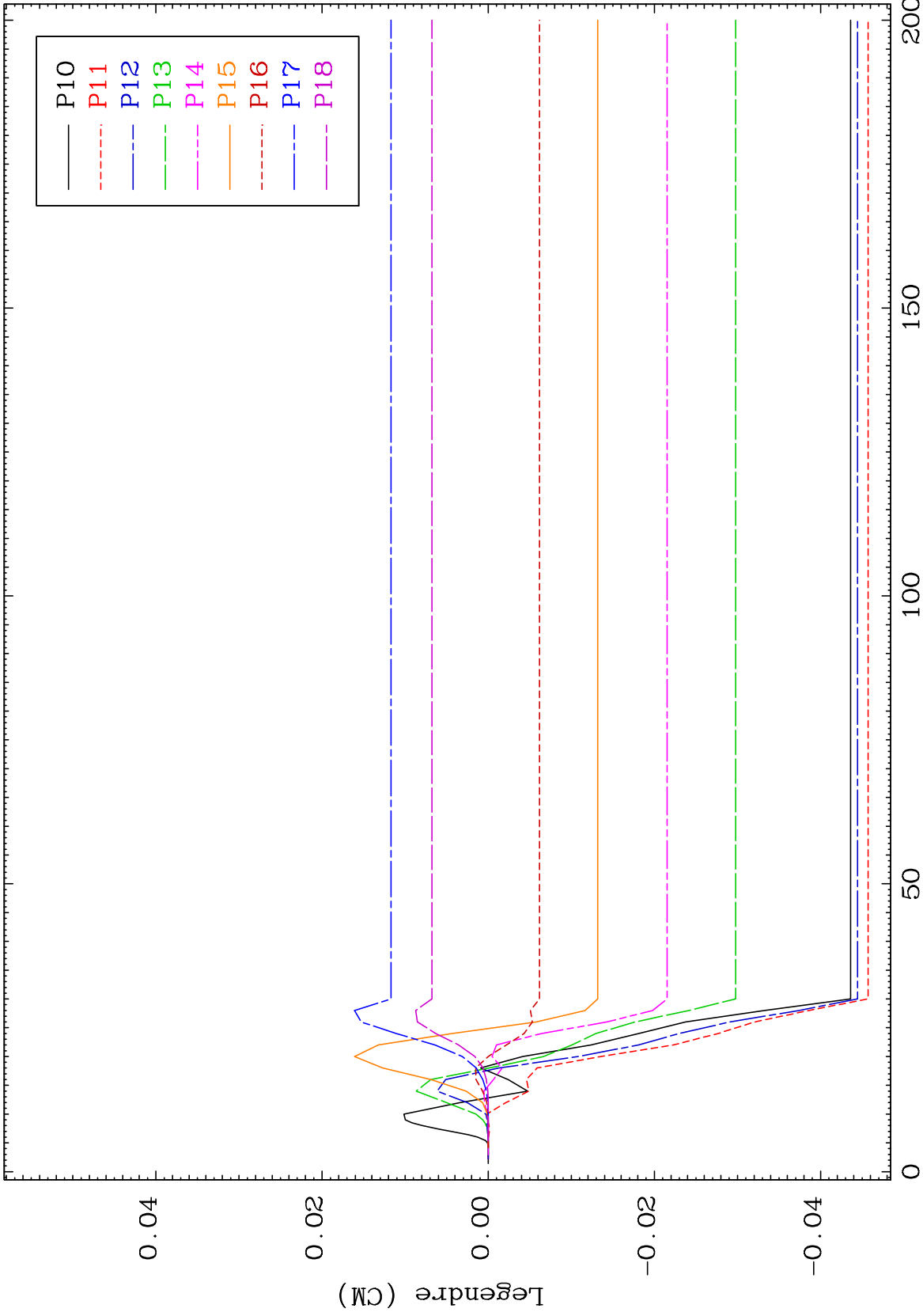


78 Incident Energy (MeV) 63-Eu-141

MAT 6295

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

63-Eu-141



79

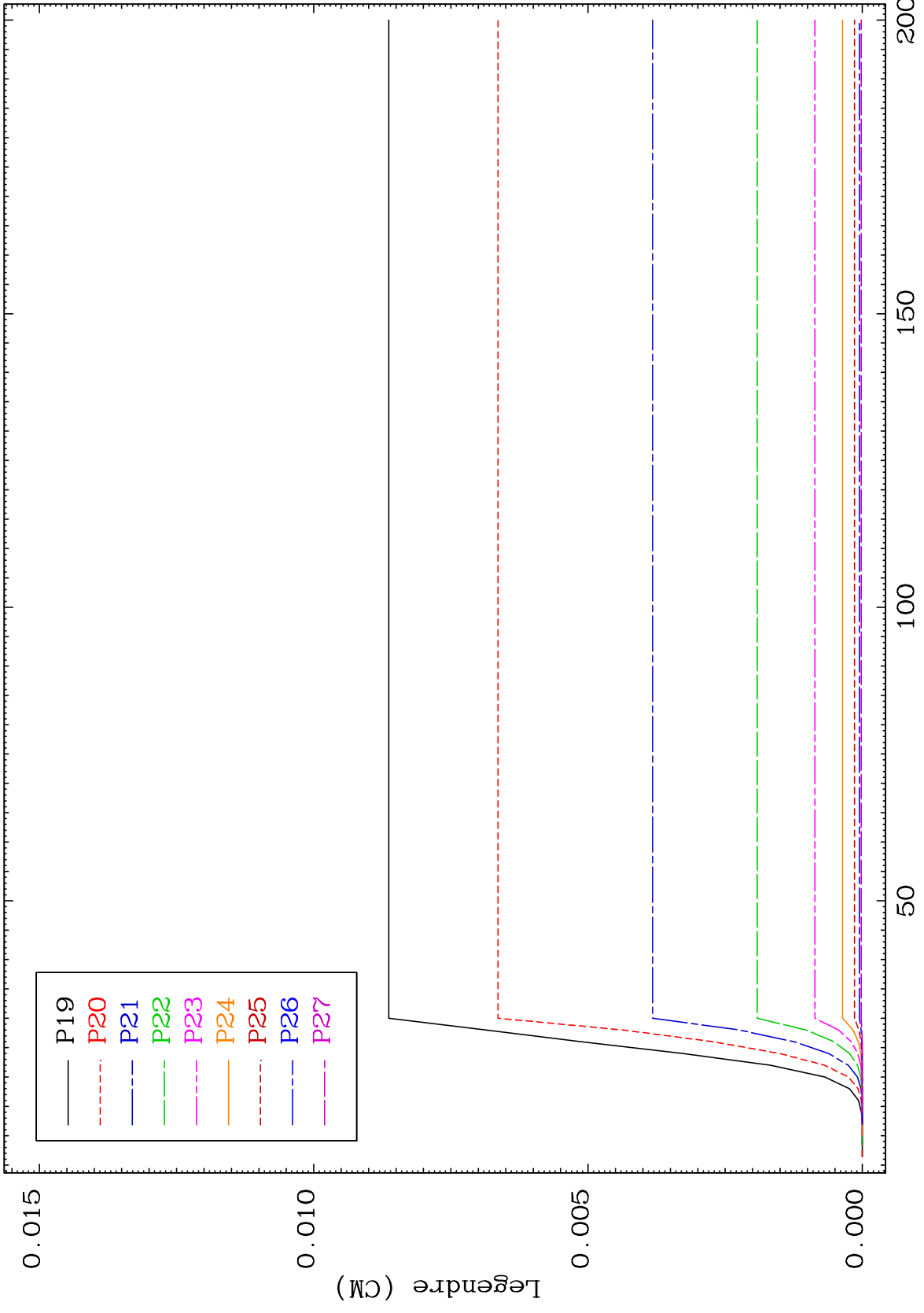
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



80

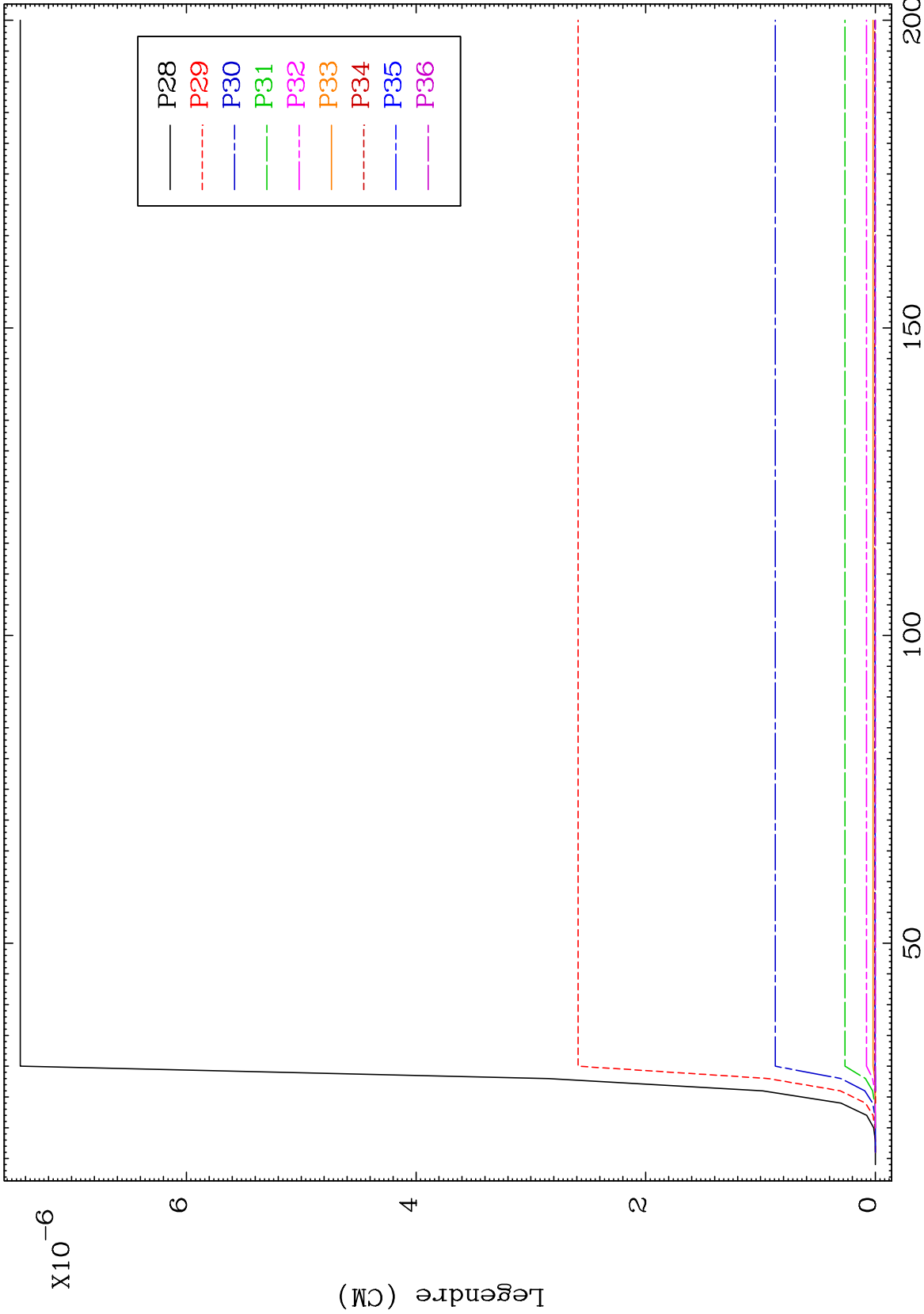
Incident Energy (MeV)

63-Eu-141

MAT 6295

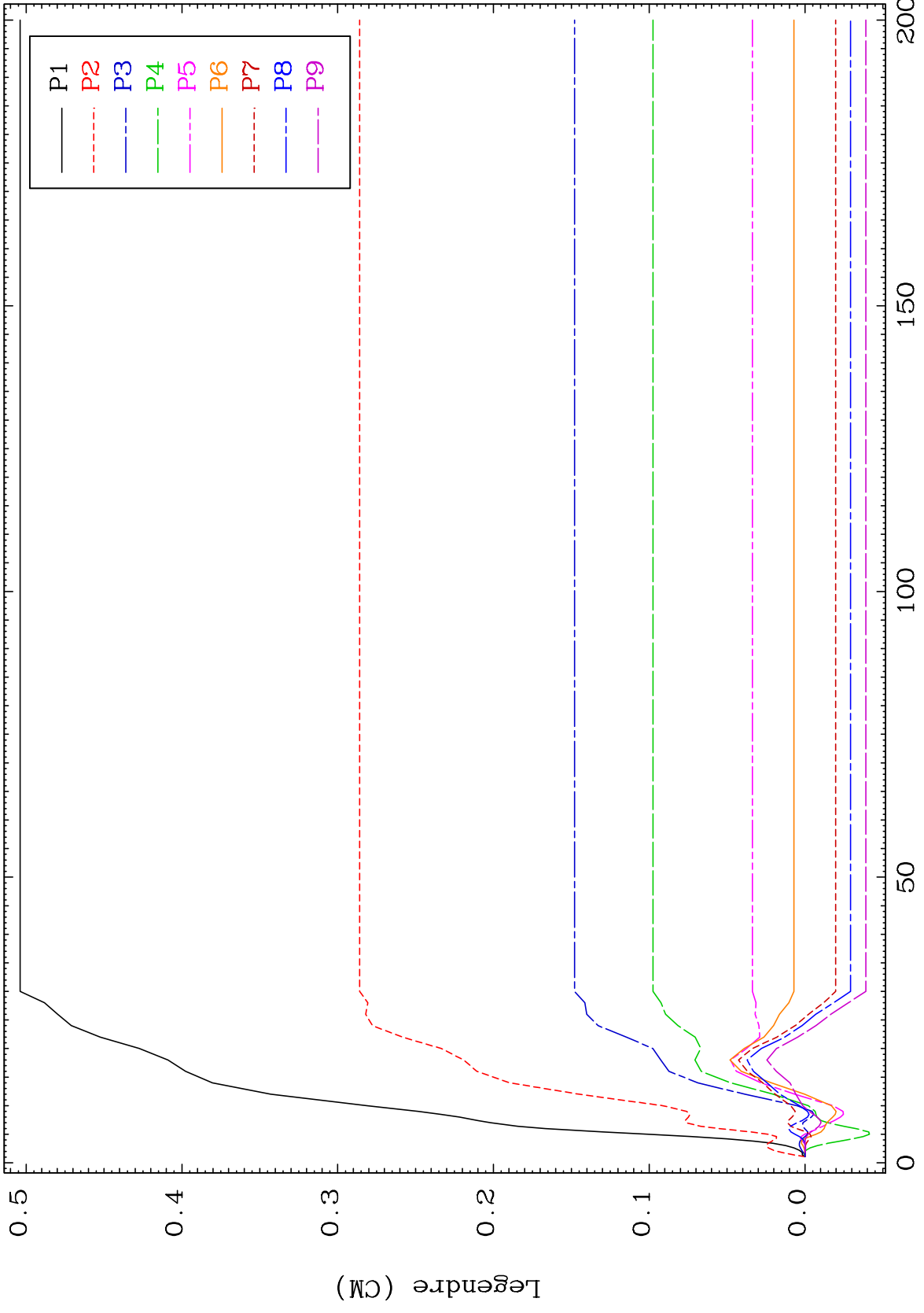
MT= 66 (n,n') Level
Legendre Coefficients

63-Eu-141



81

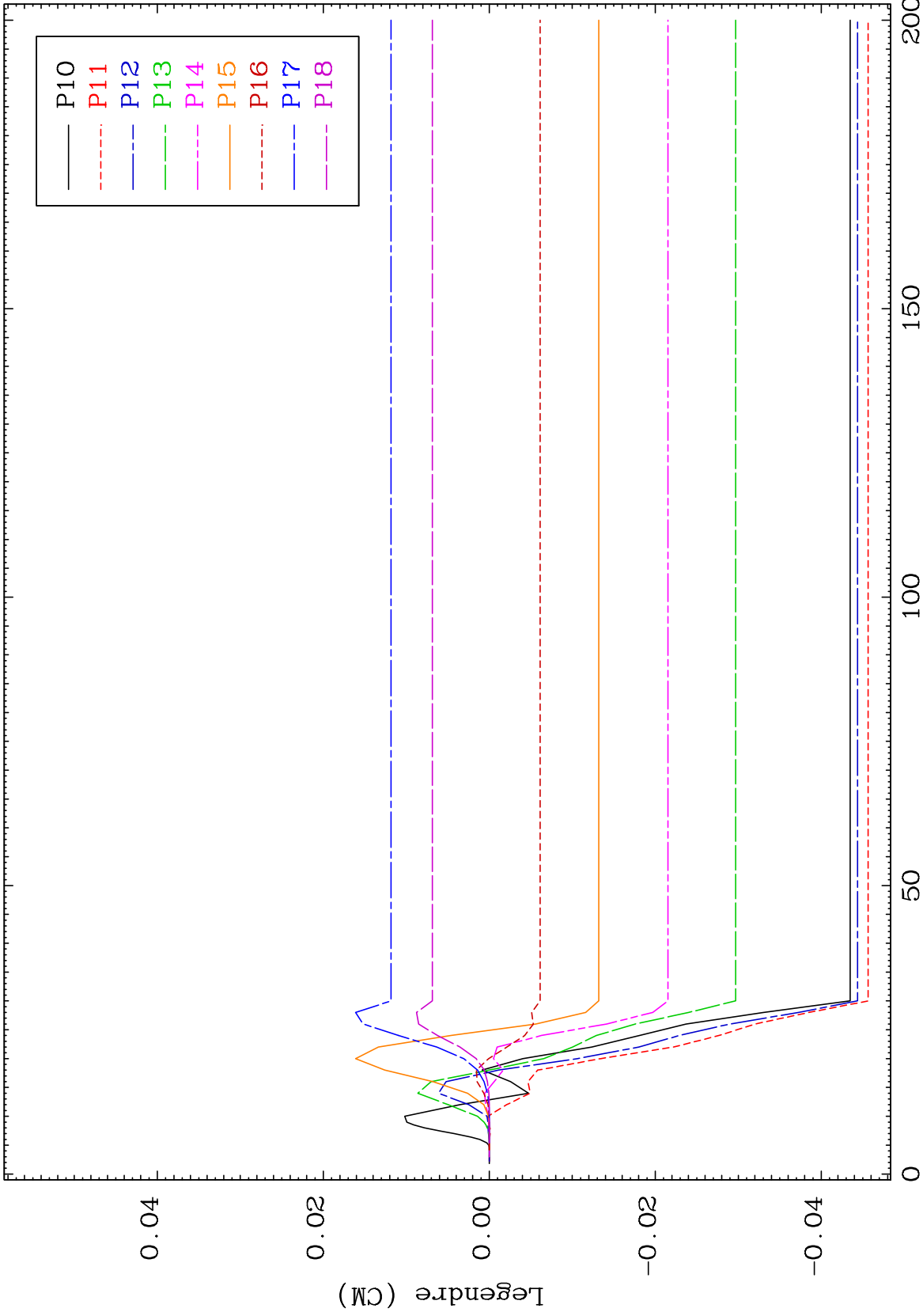
63-Eu-141



MAT 6295

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

63-Eu-141



83

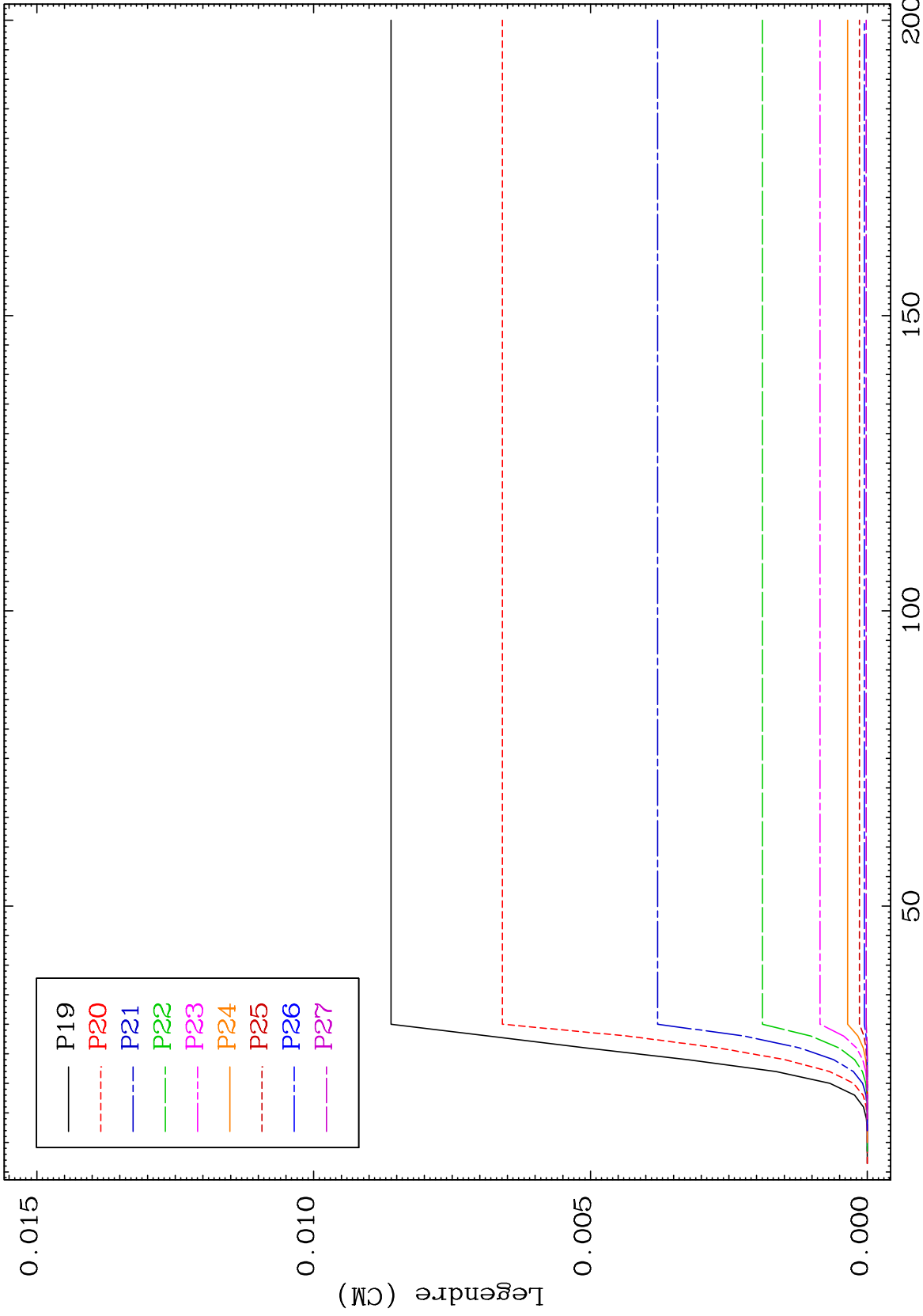
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



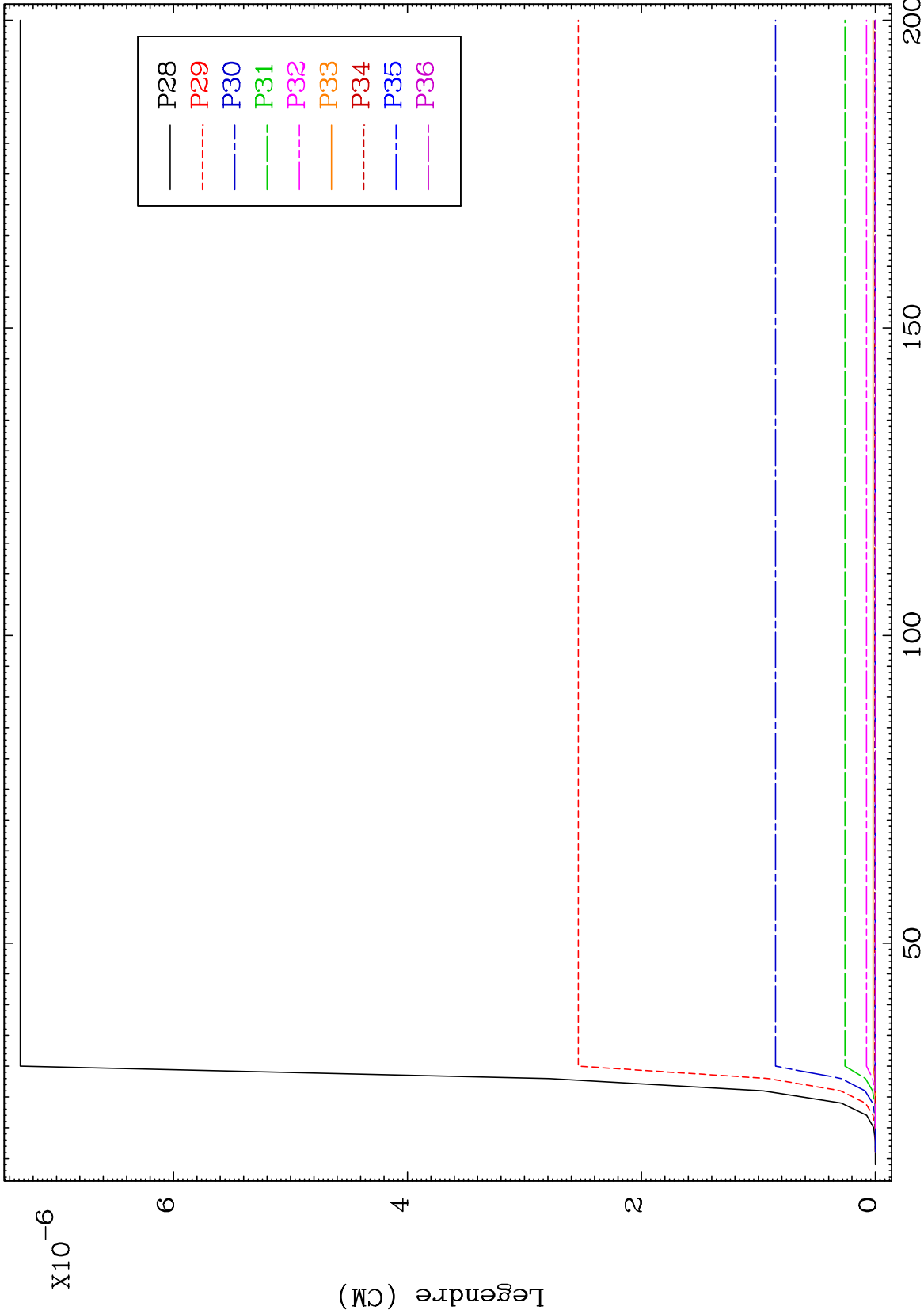
84

63-Eu-141

MAT 6295

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

63-Eu-141



85

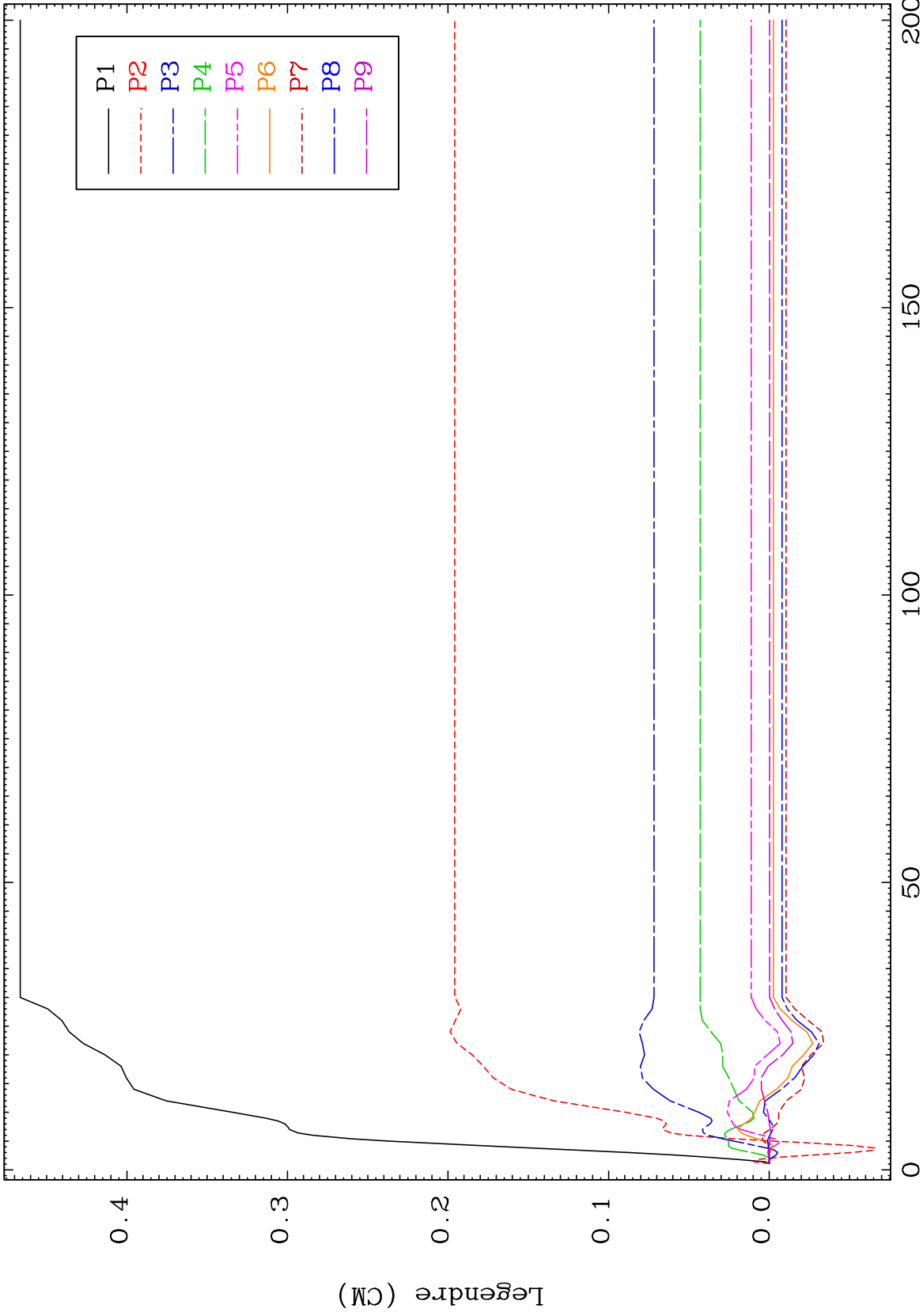
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



86

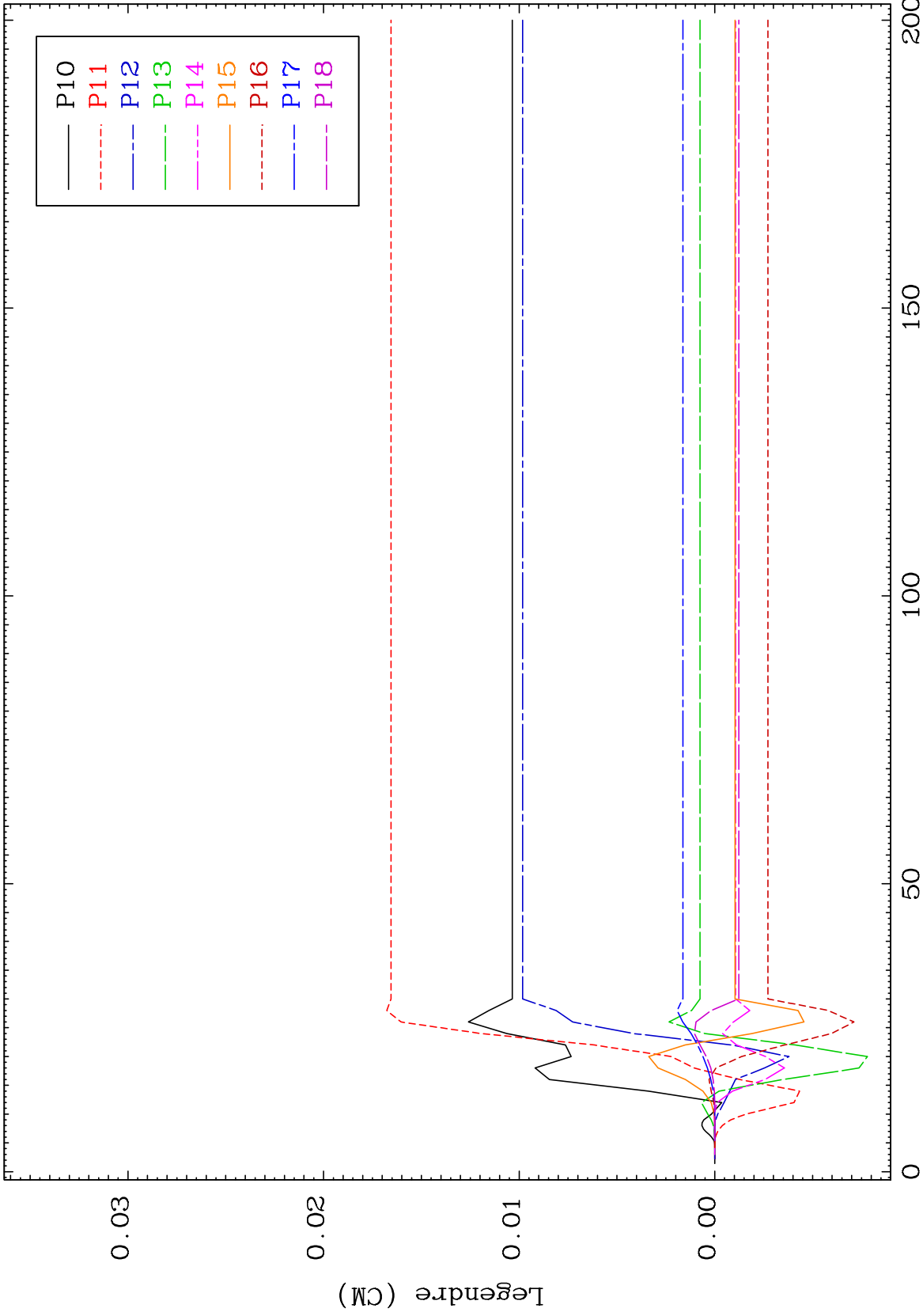
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



87

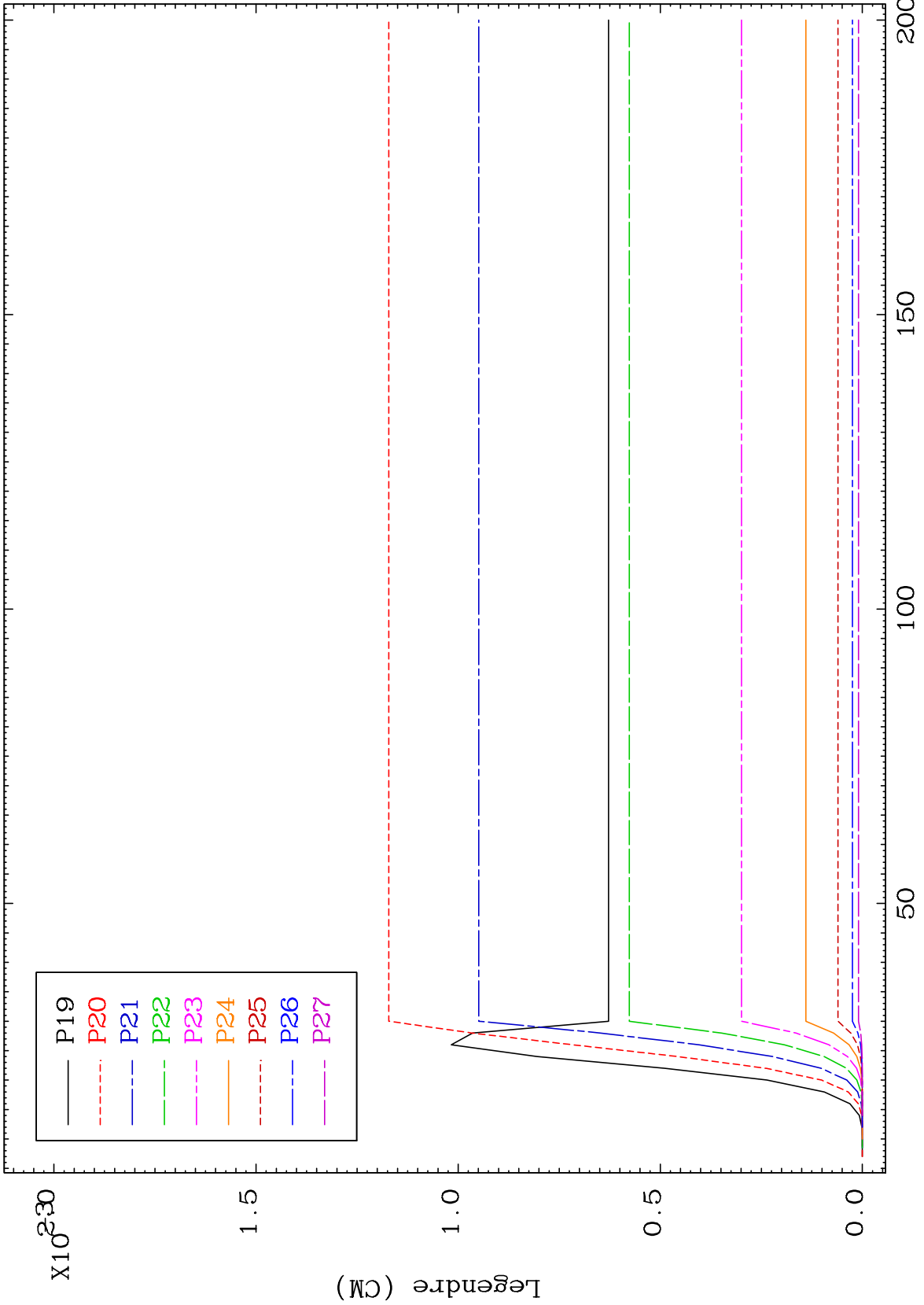
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



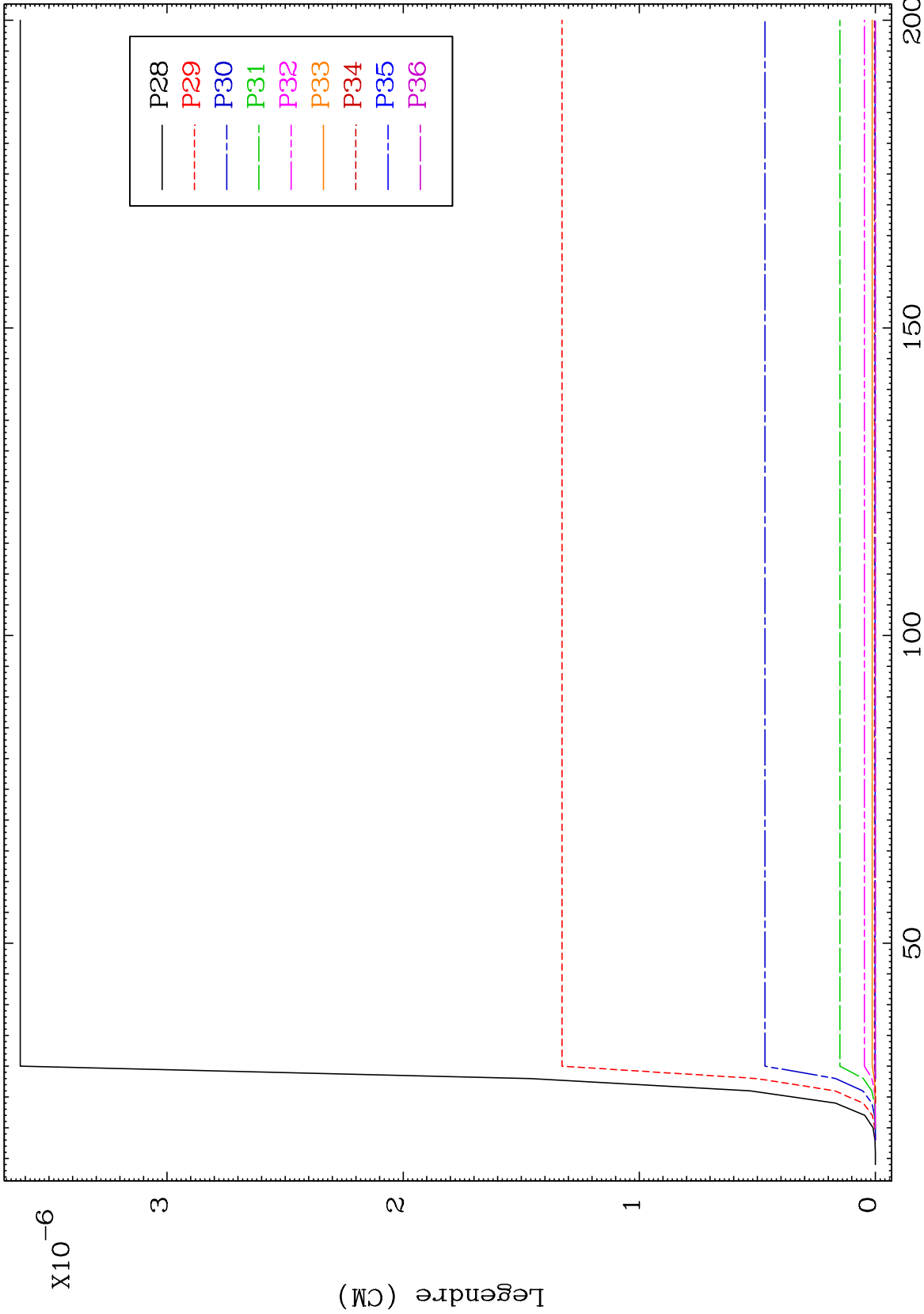
88

63-Eu-141

MAT 6295

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

63-Eu-141



89

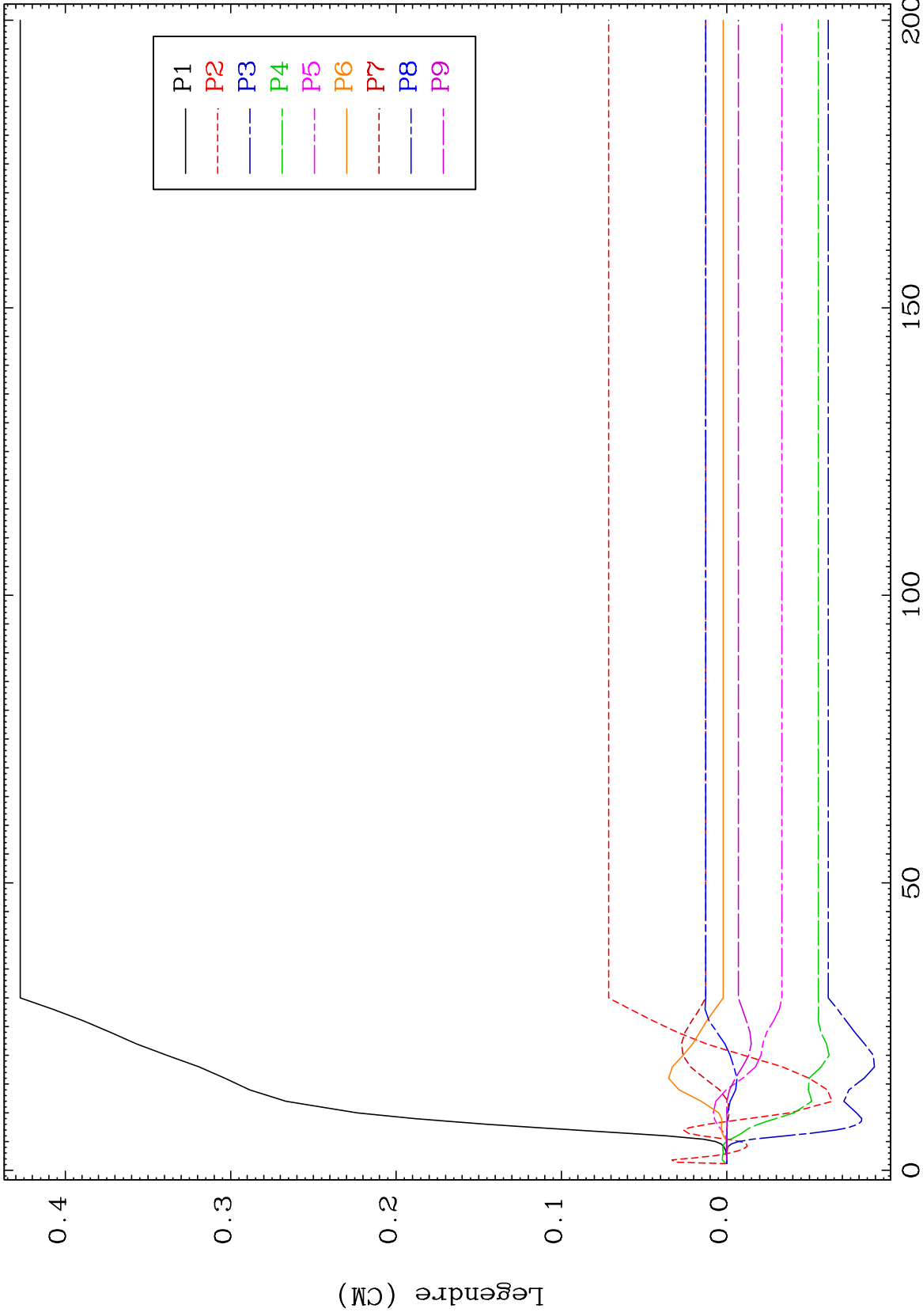
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



63-Eu-141

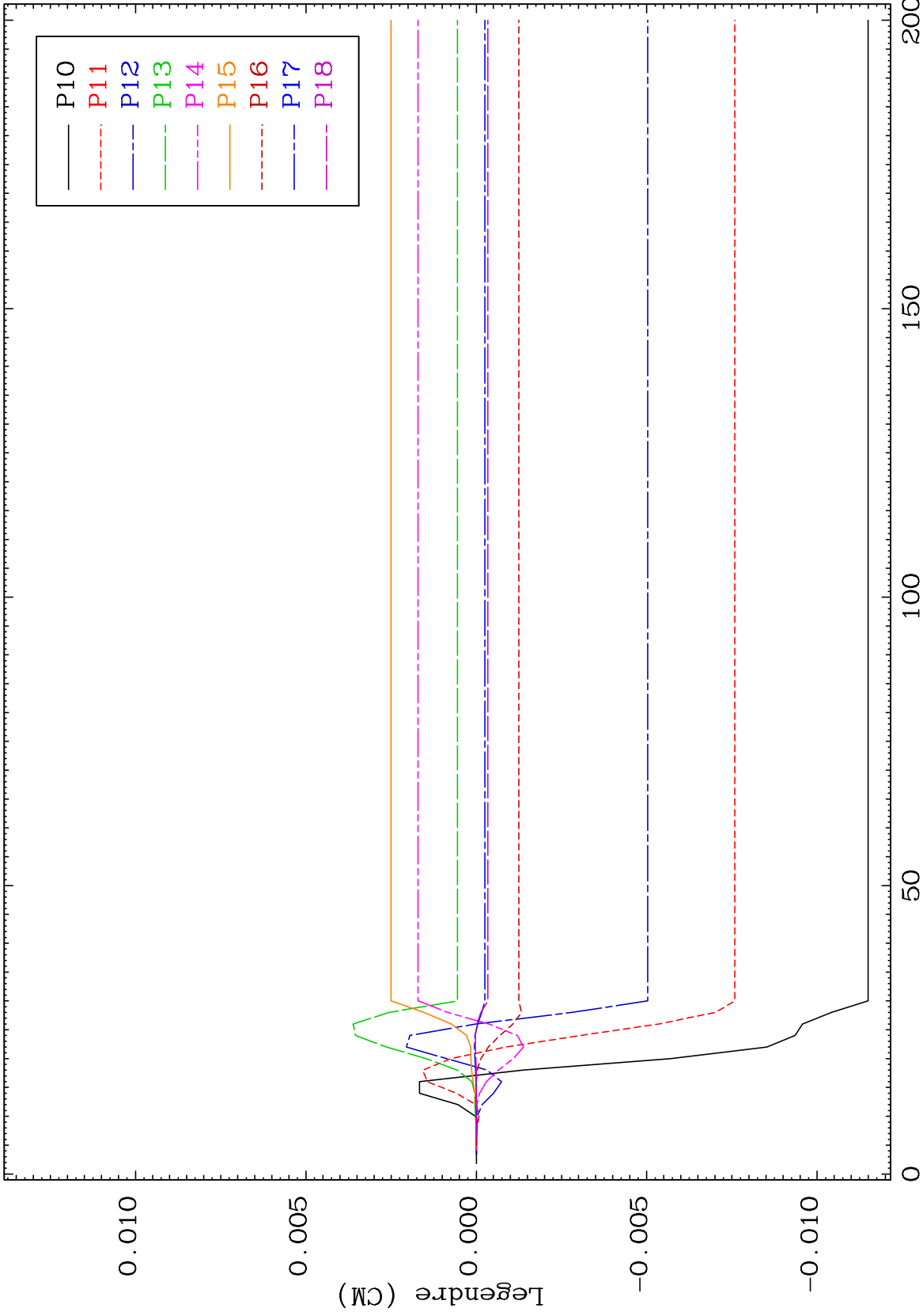
Incident Energy (MeV)

90

MAT 6295

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

63-Eu-141



91

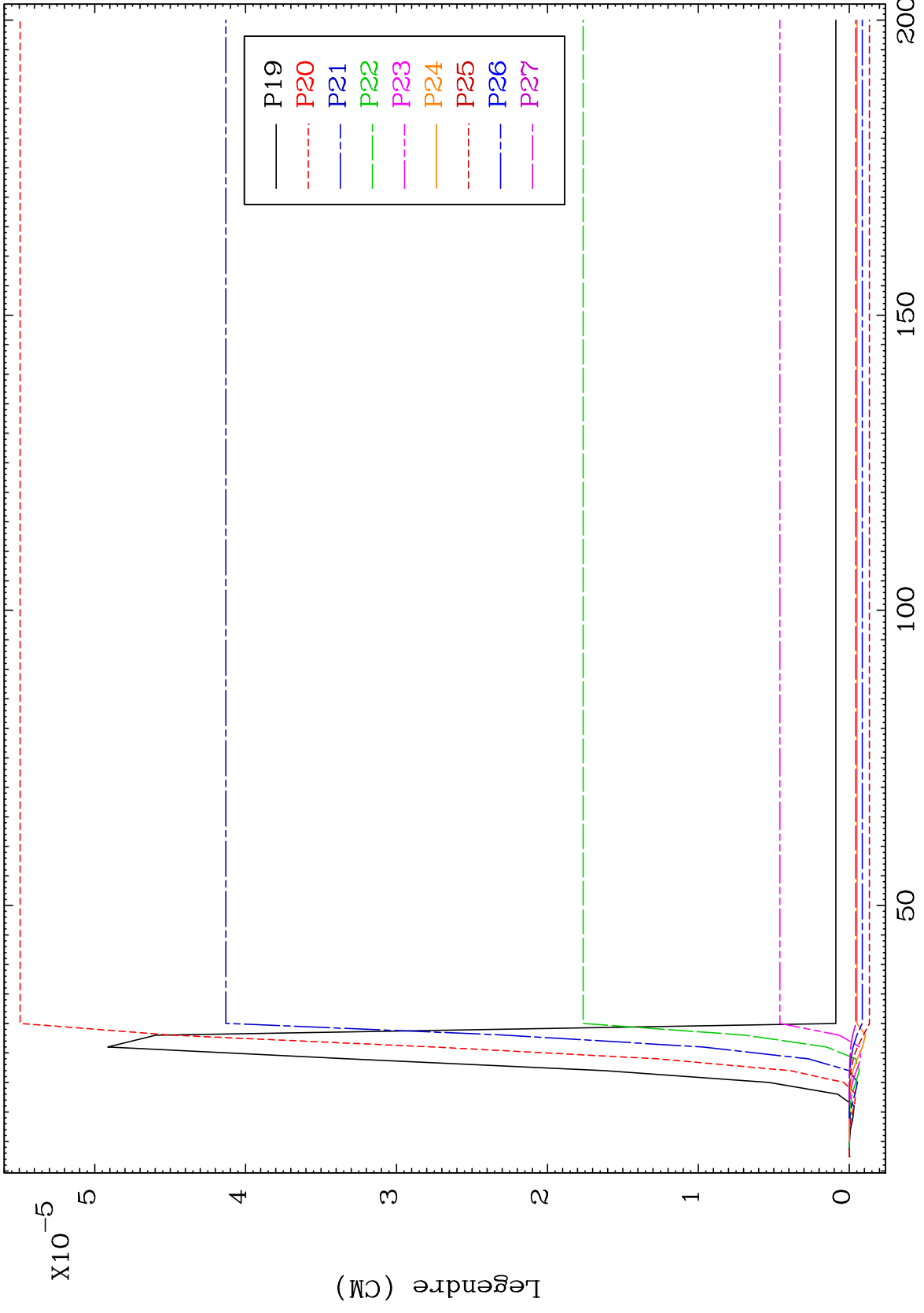
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

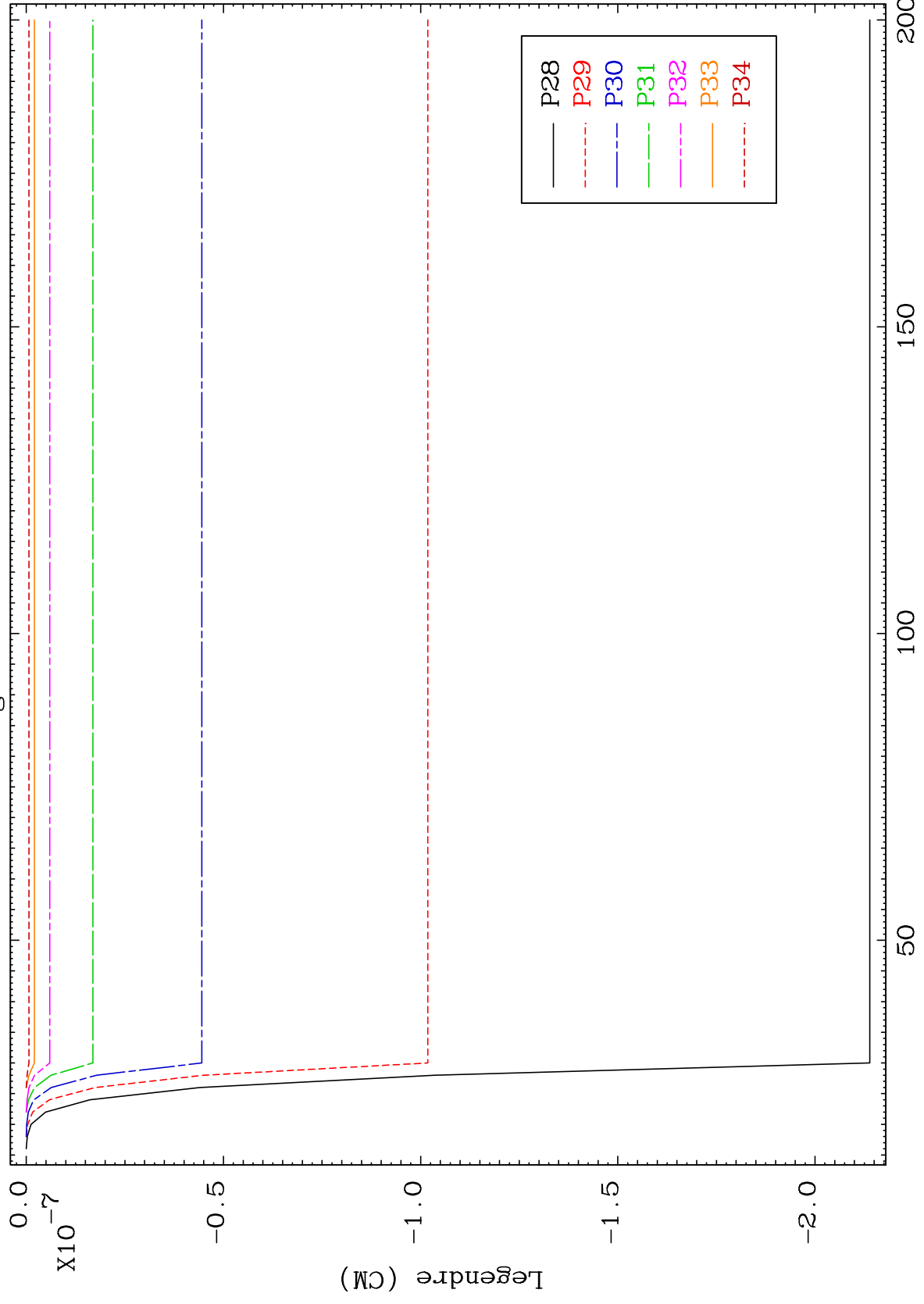
63-Eu-141



92

63-Eu-141

MAT 6295 MT= 69 (n,n') Level Legendre Coefficients 63-Eu-141

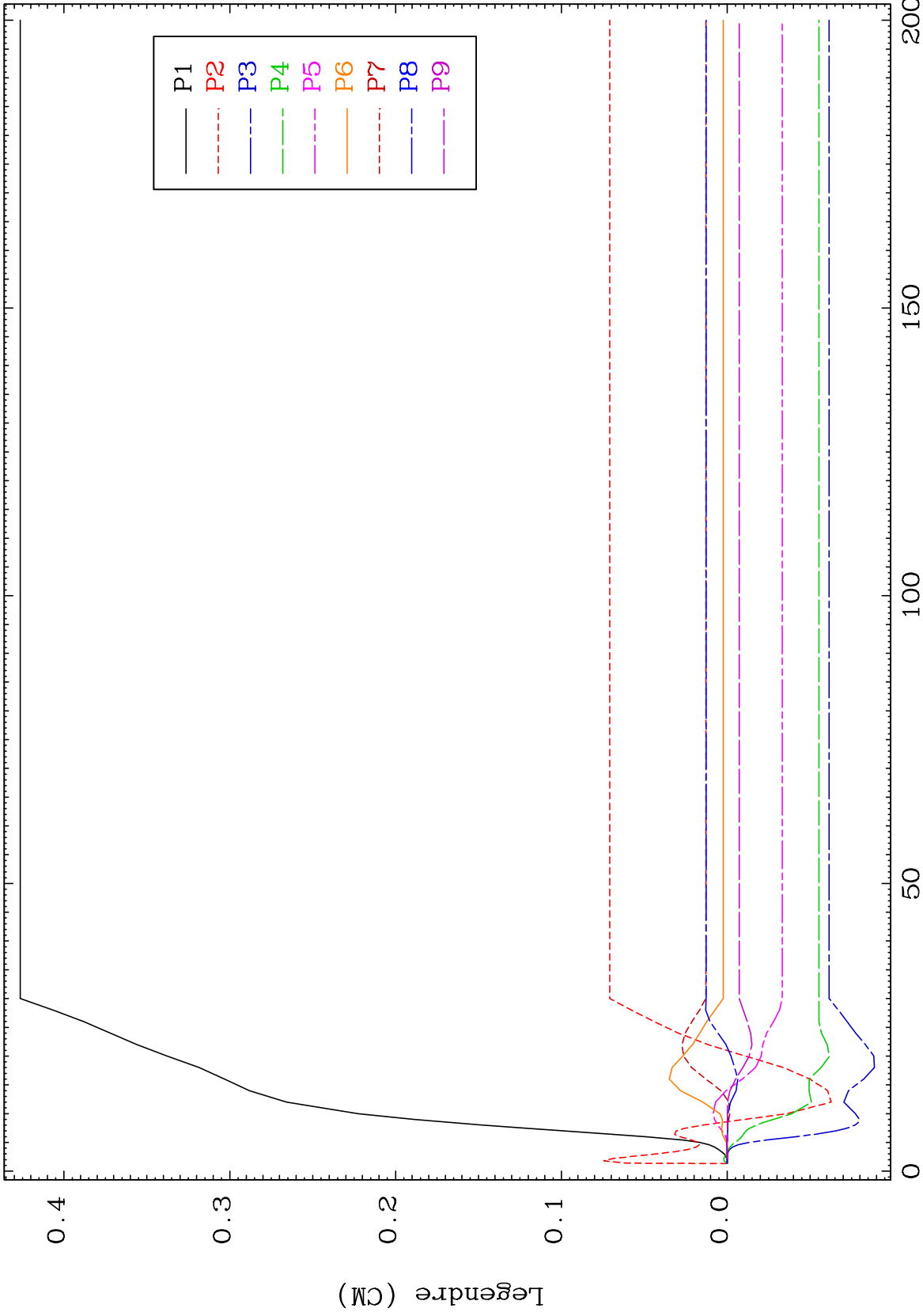


93 63-Eu-141

MAT 6295

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

63-Eu-141



94

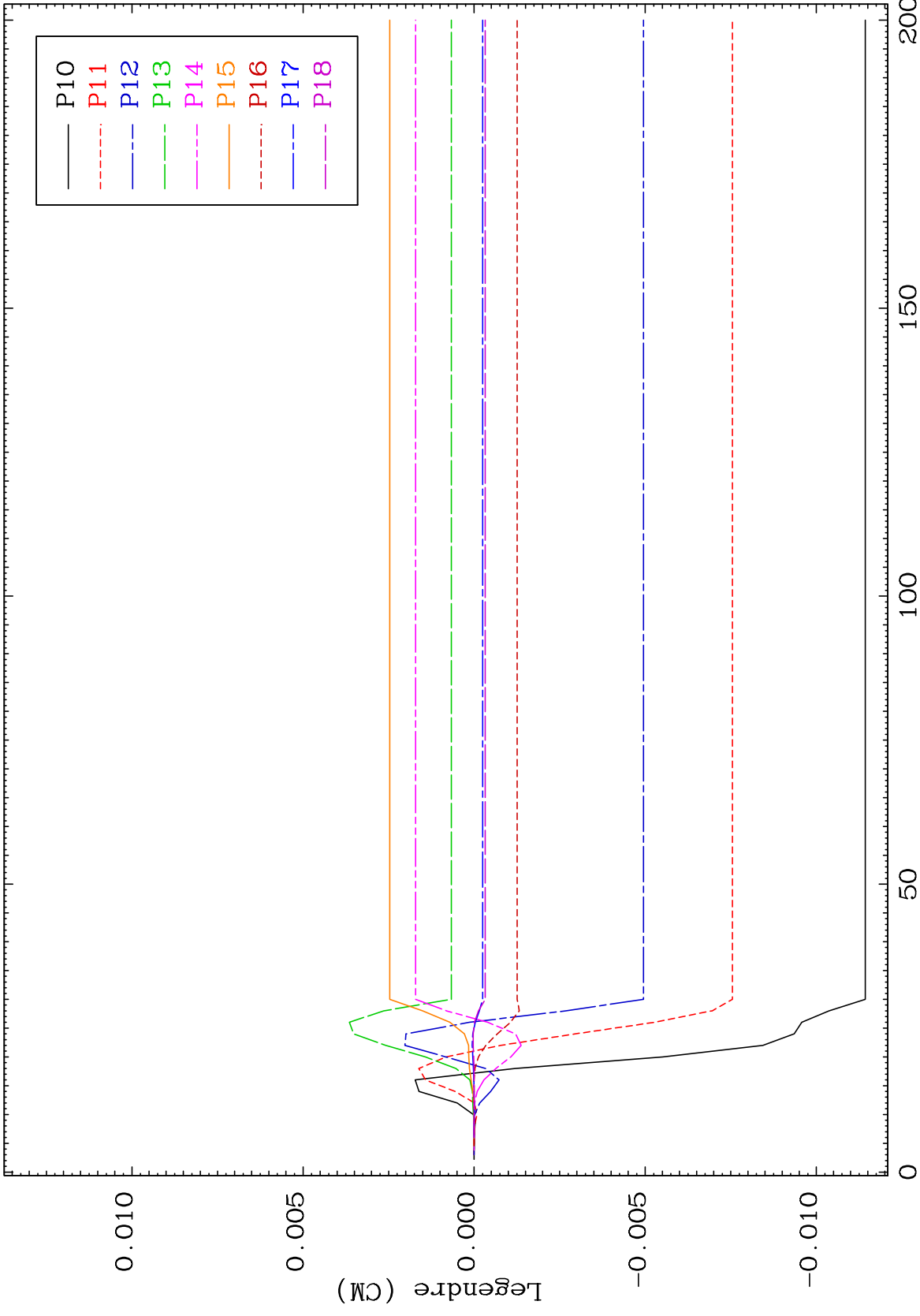
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



95

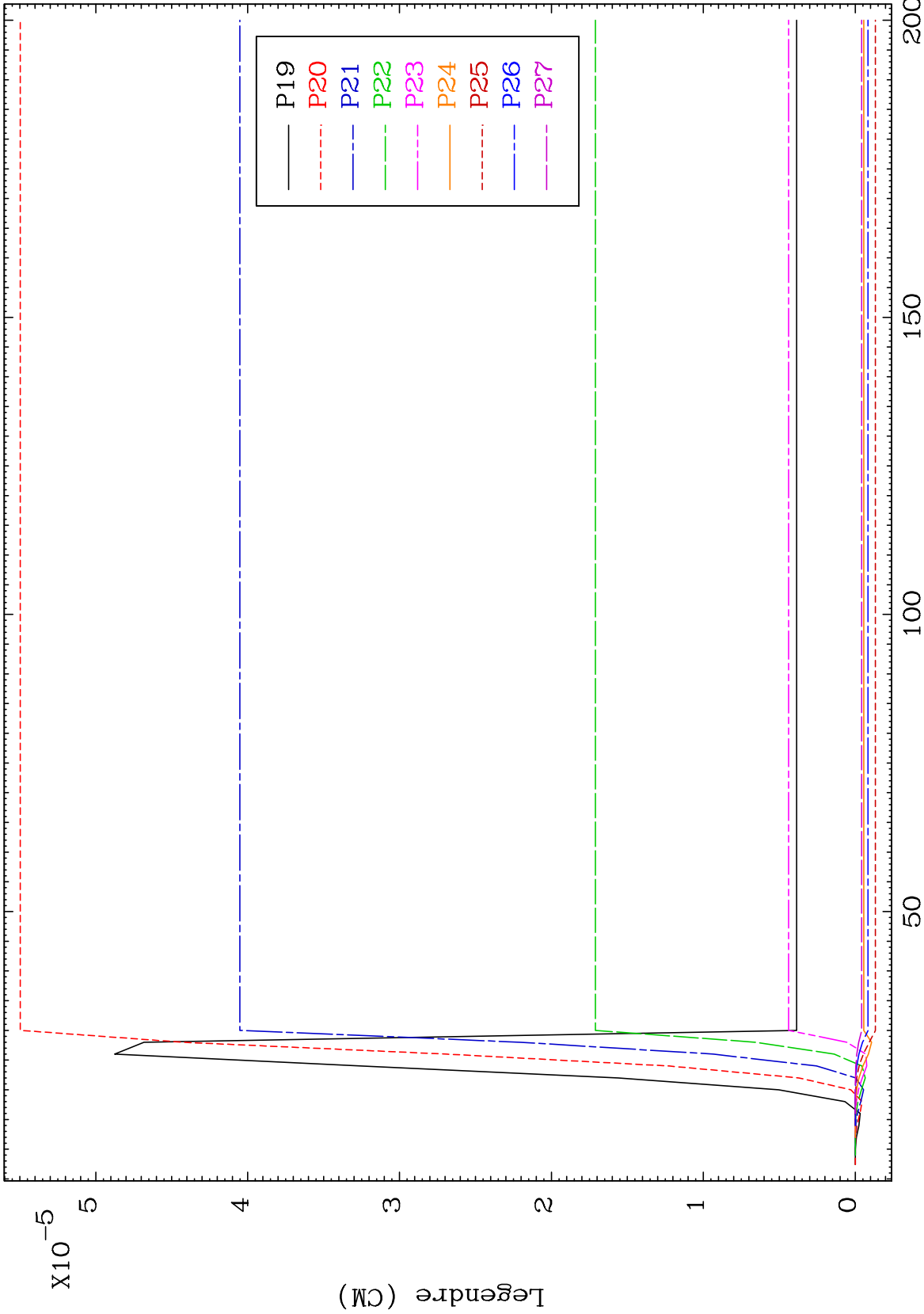
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



96

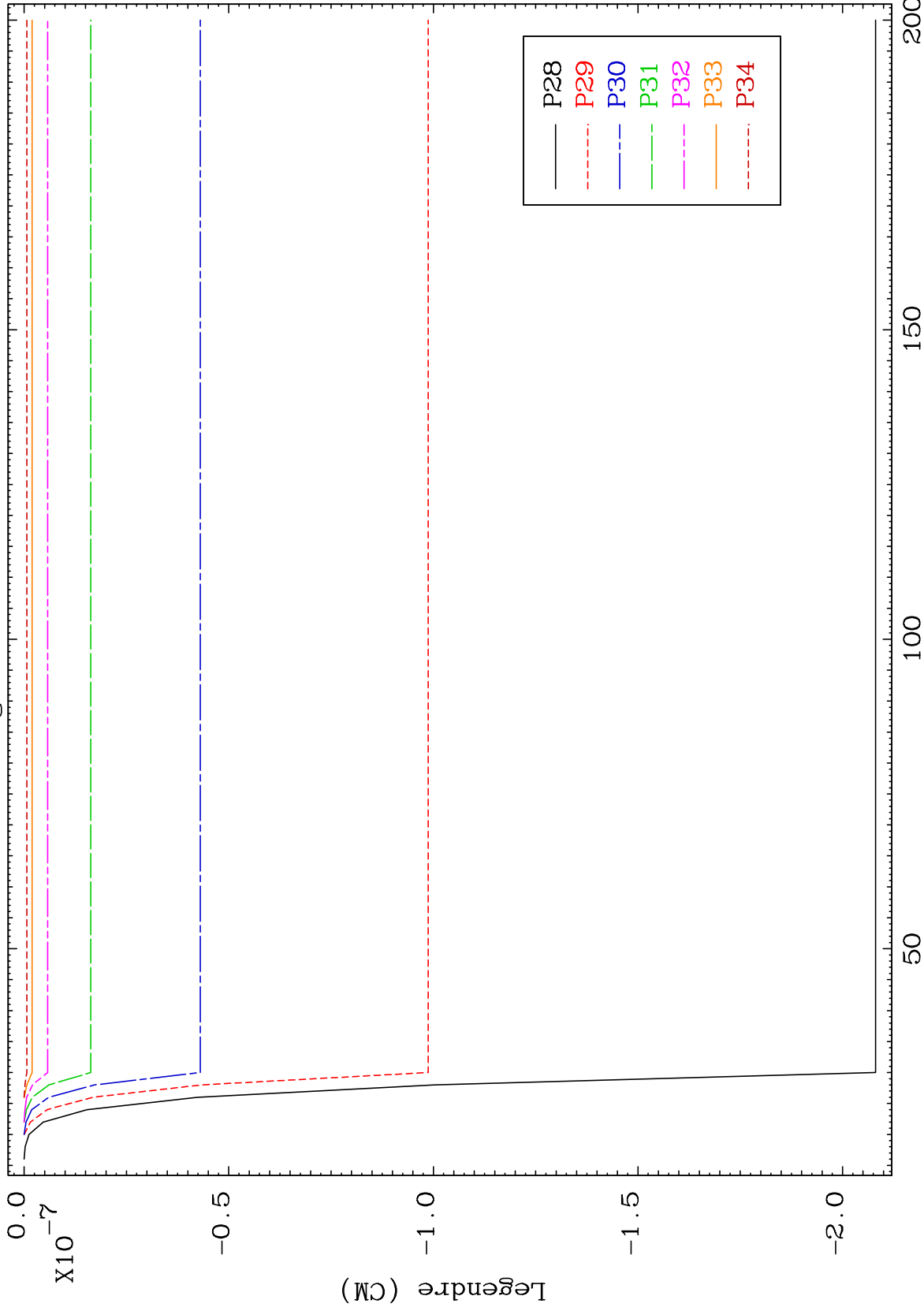
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



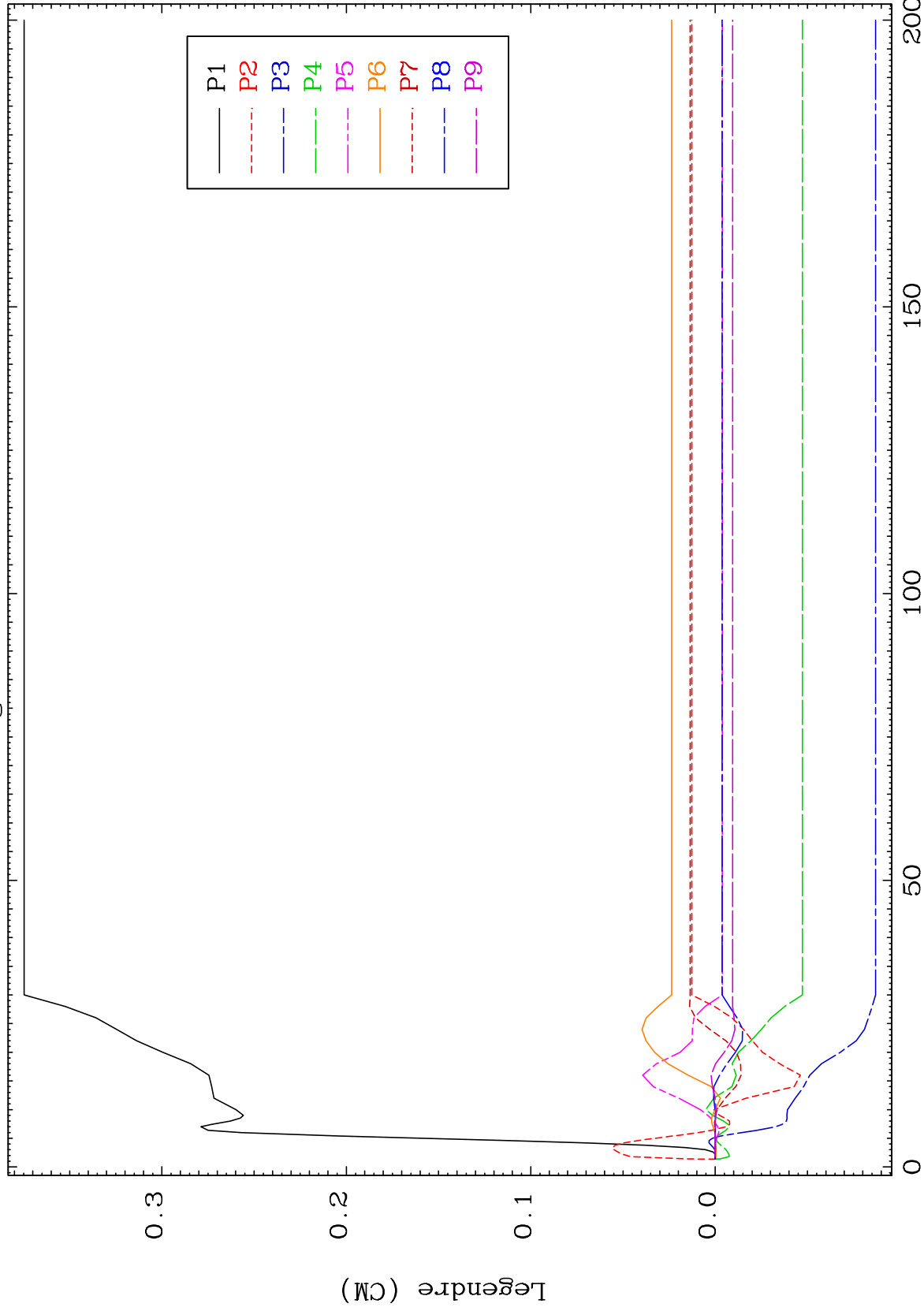
97

63-Eu-141

MAT 6295

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

63-Eu-141



98

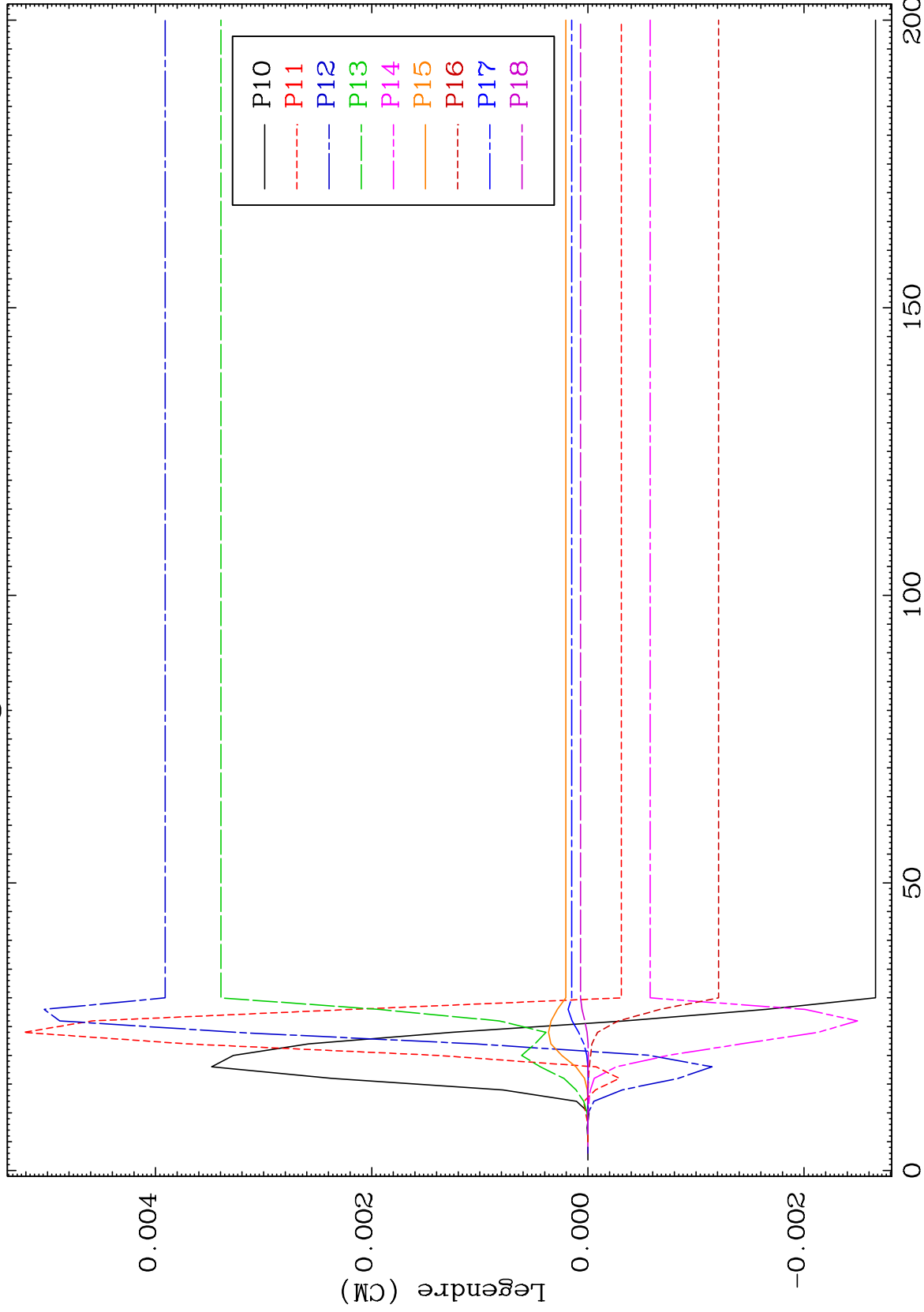
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



99

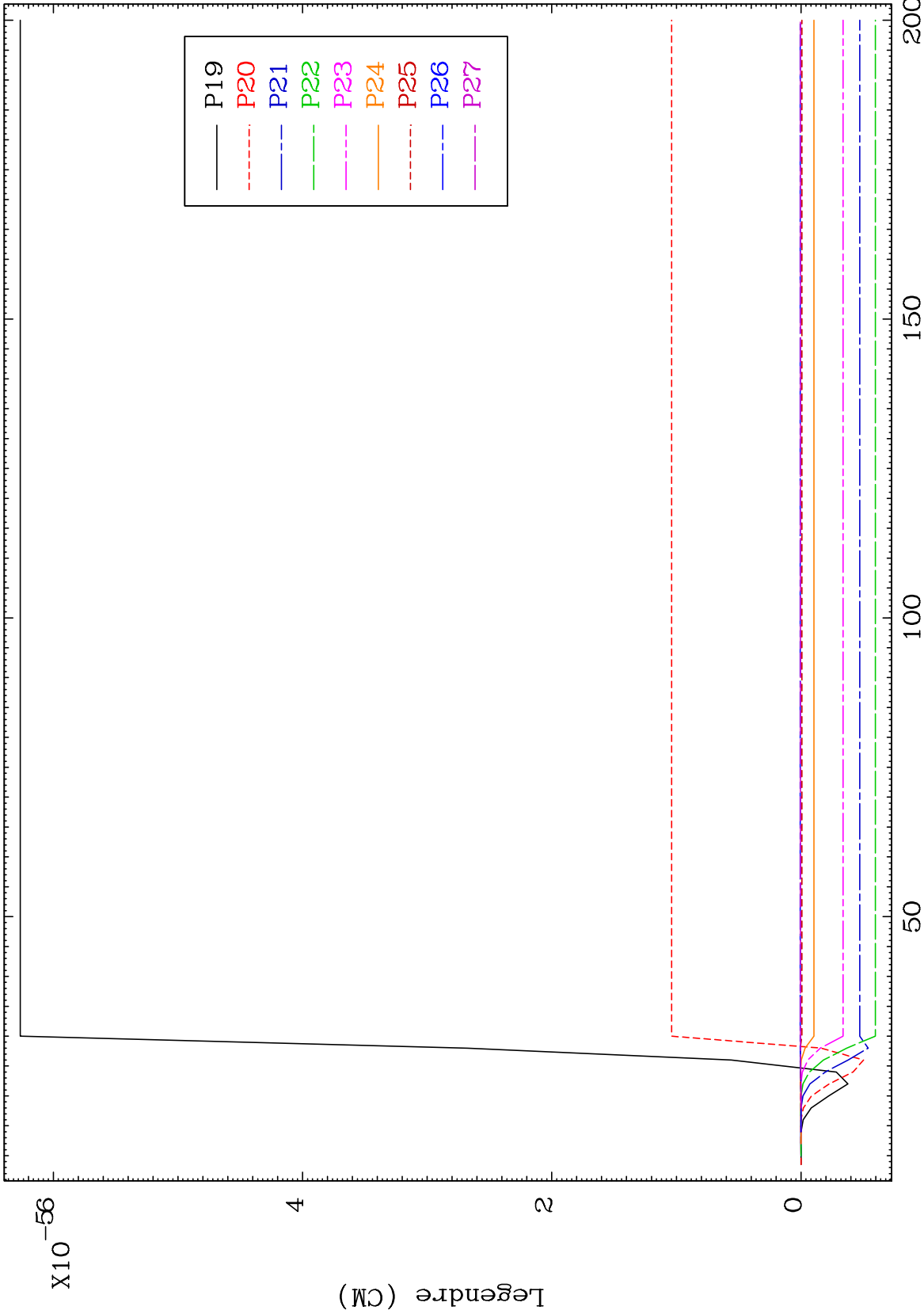
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



100

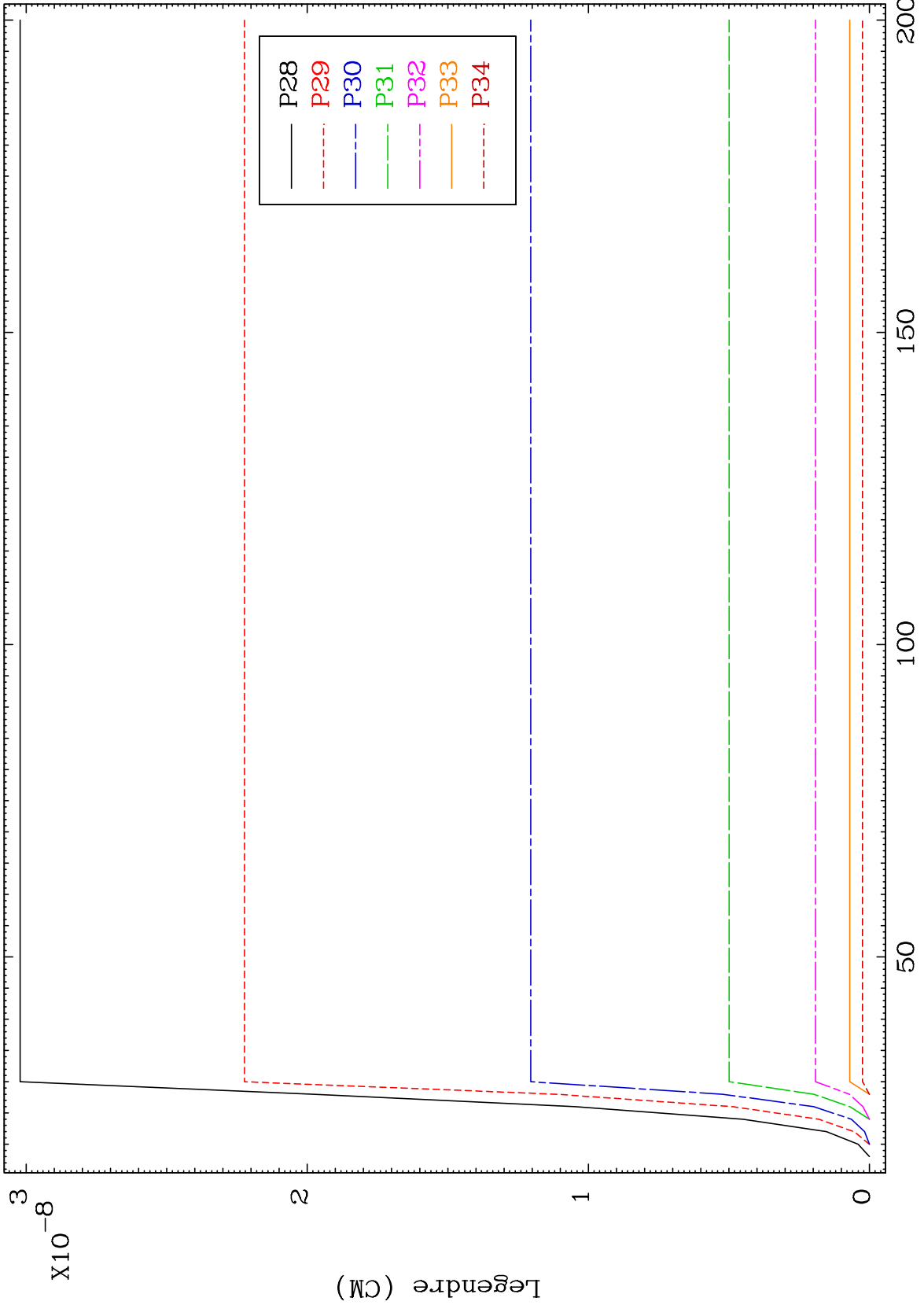
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



101

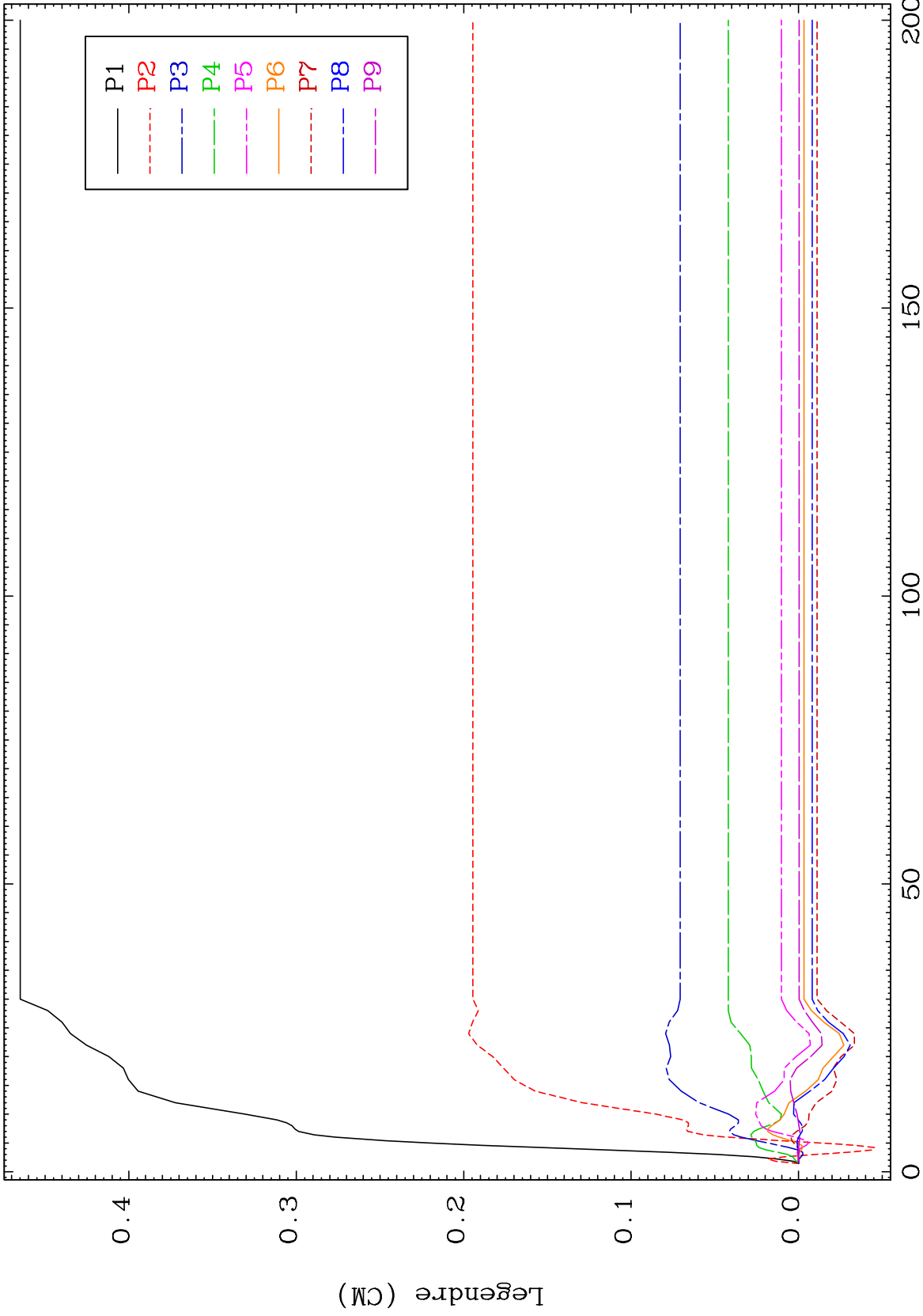
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



63-Eu-141

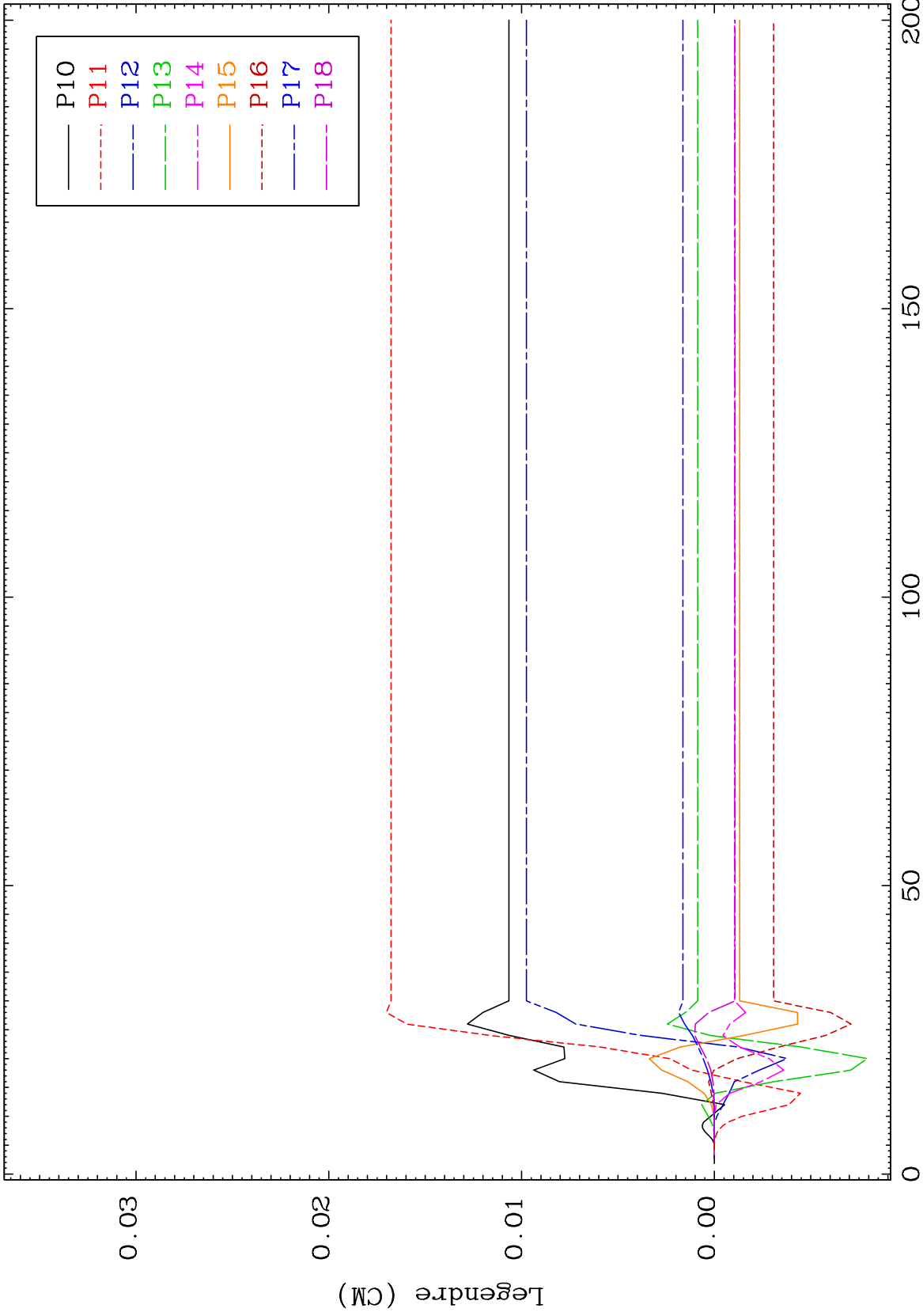
Incident Energy (MeV)

102

MAT 6295

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

63-Eu-141



103

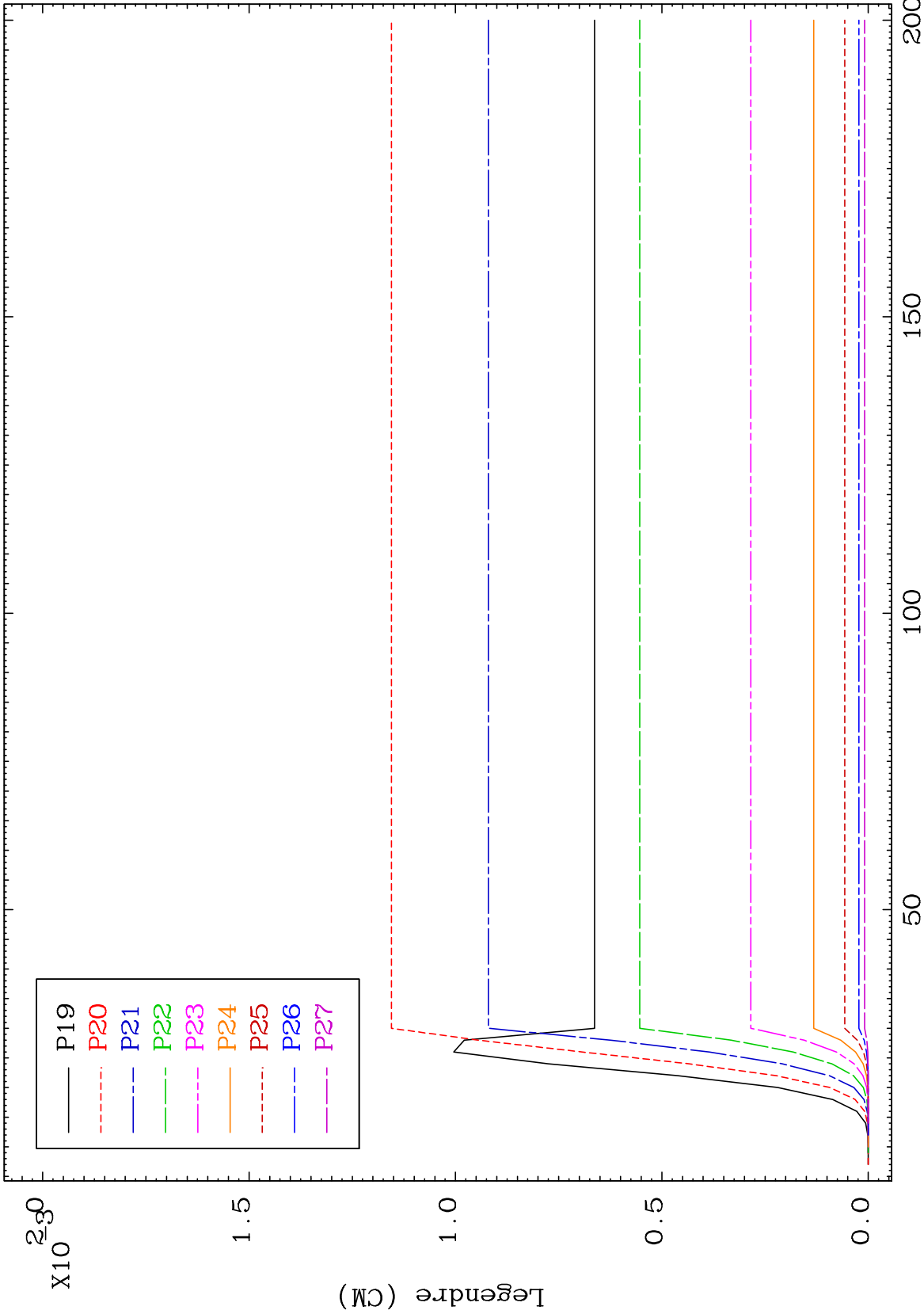
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



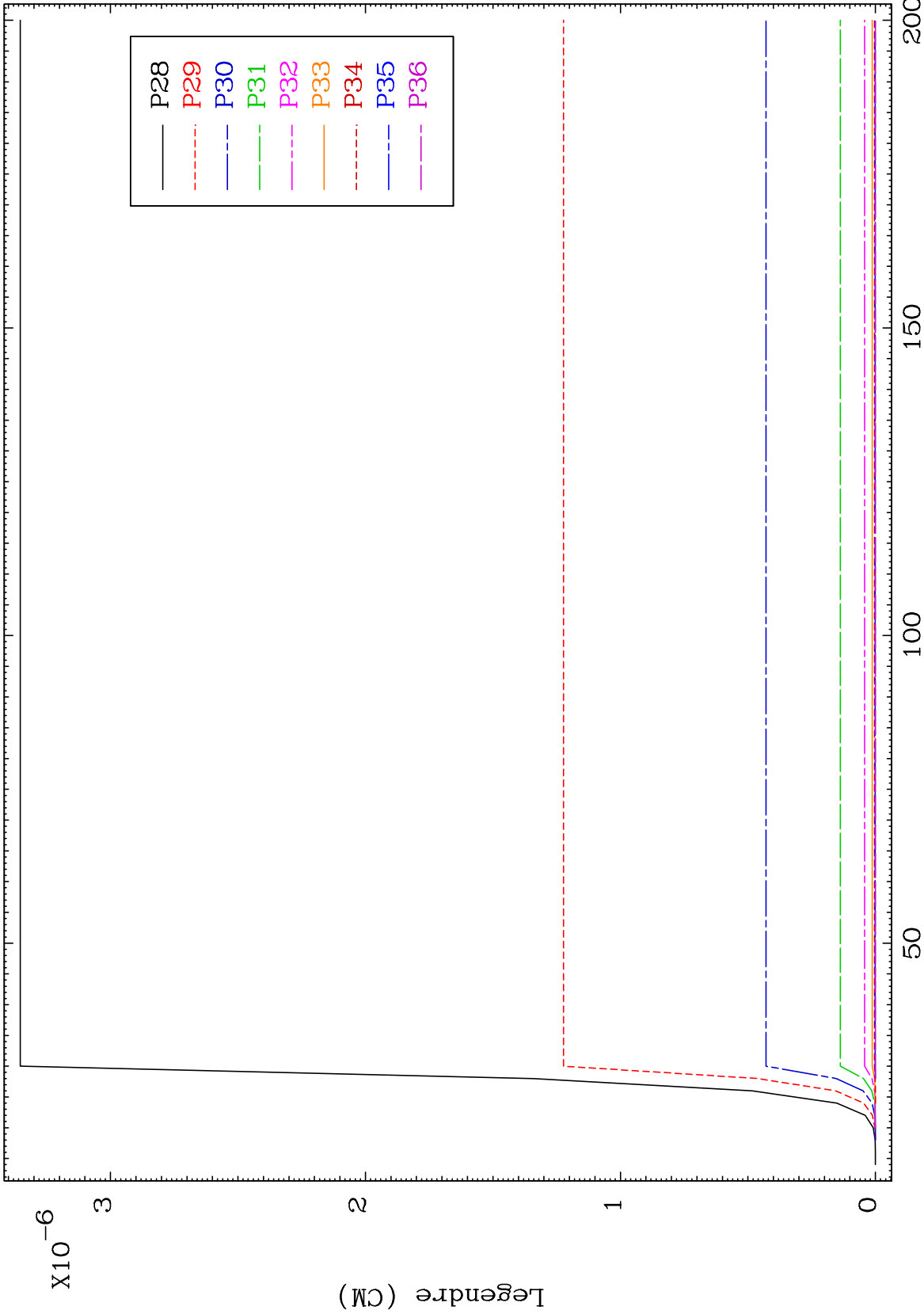
104

63-Eu-141

MAT 6295

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

63-Eu-141



105

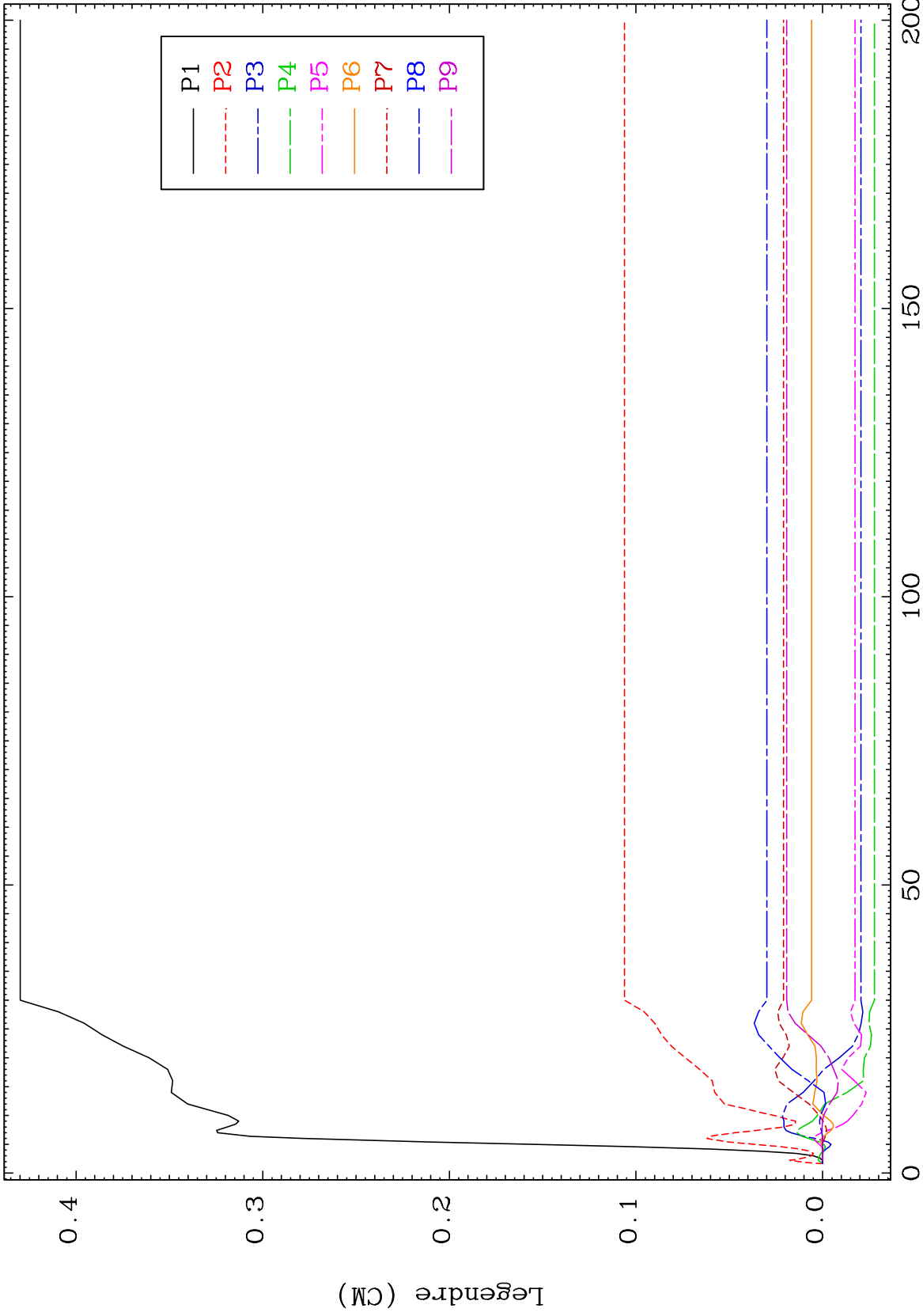
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



106

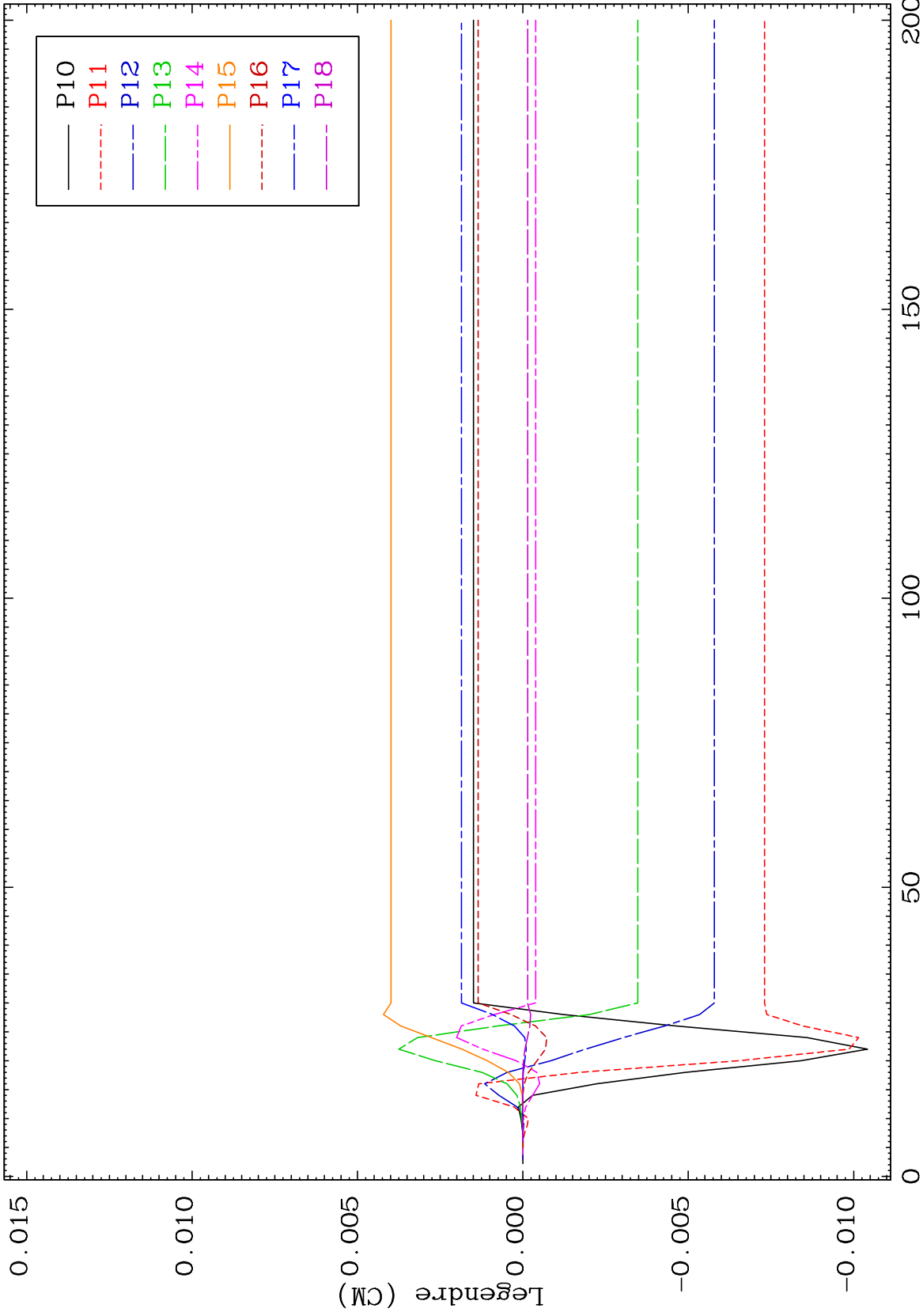
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



107

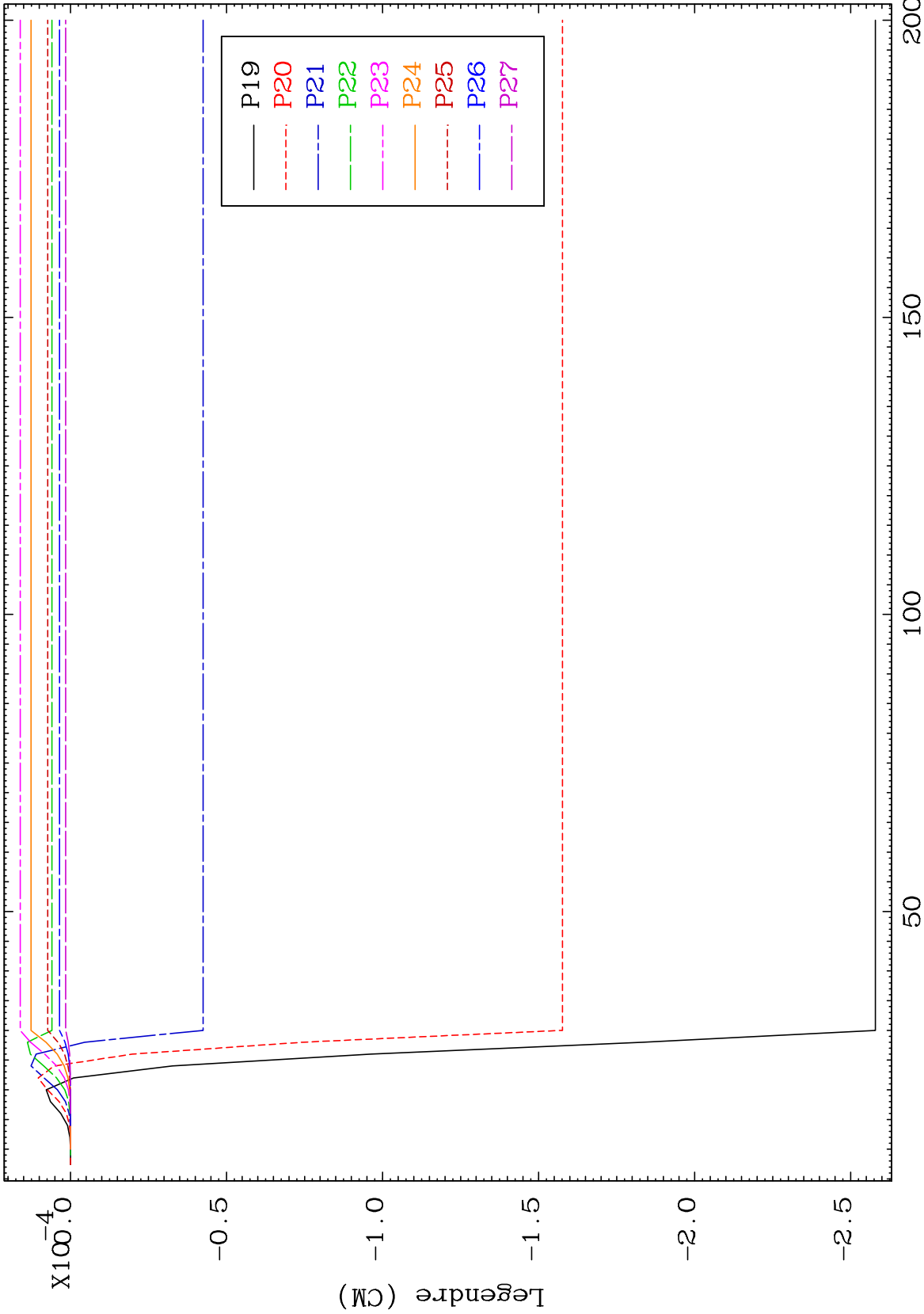
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141



108

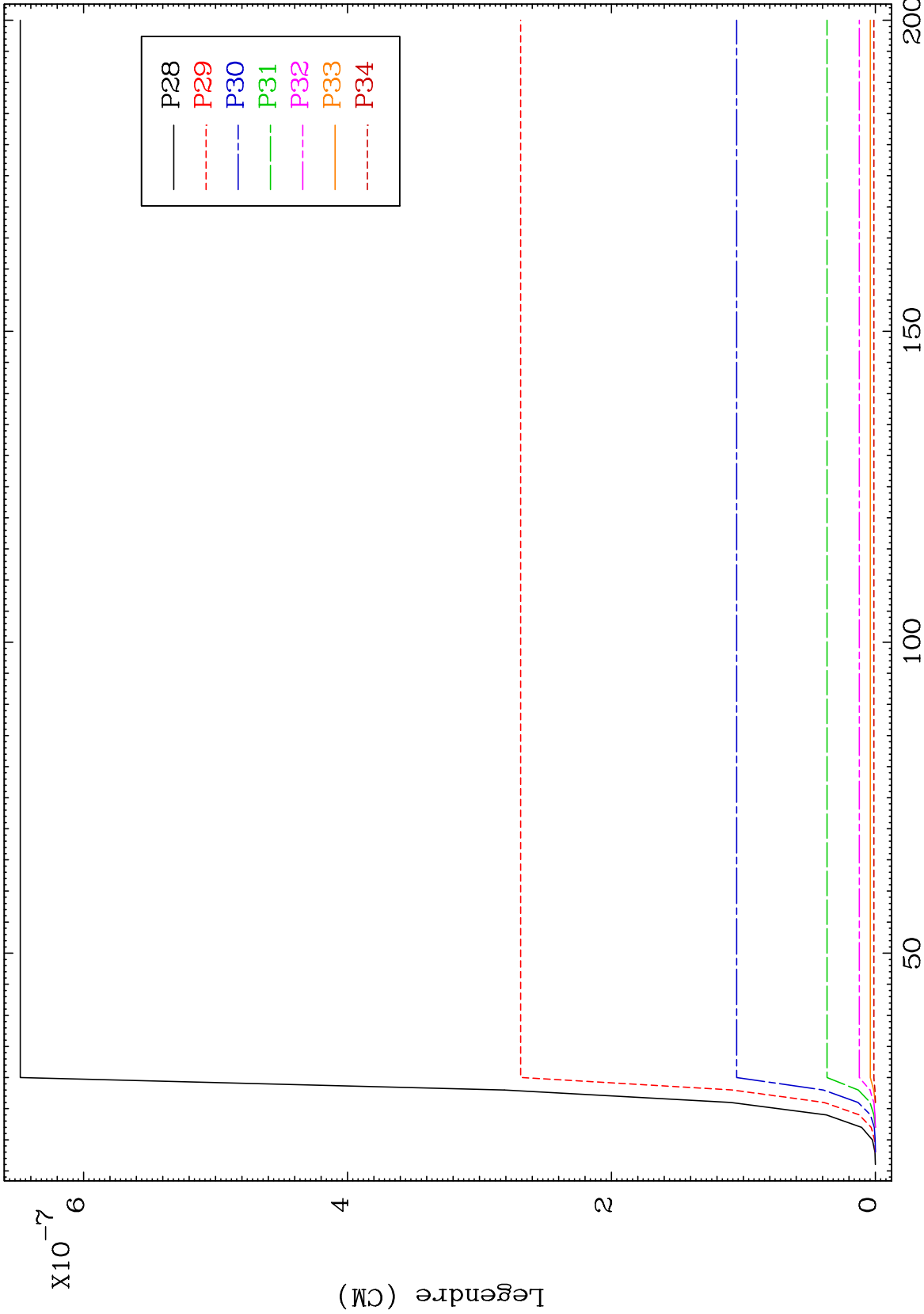
Incident Energy (MeV)

63-Eu-141

MAT 6295

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

63-Eu-141

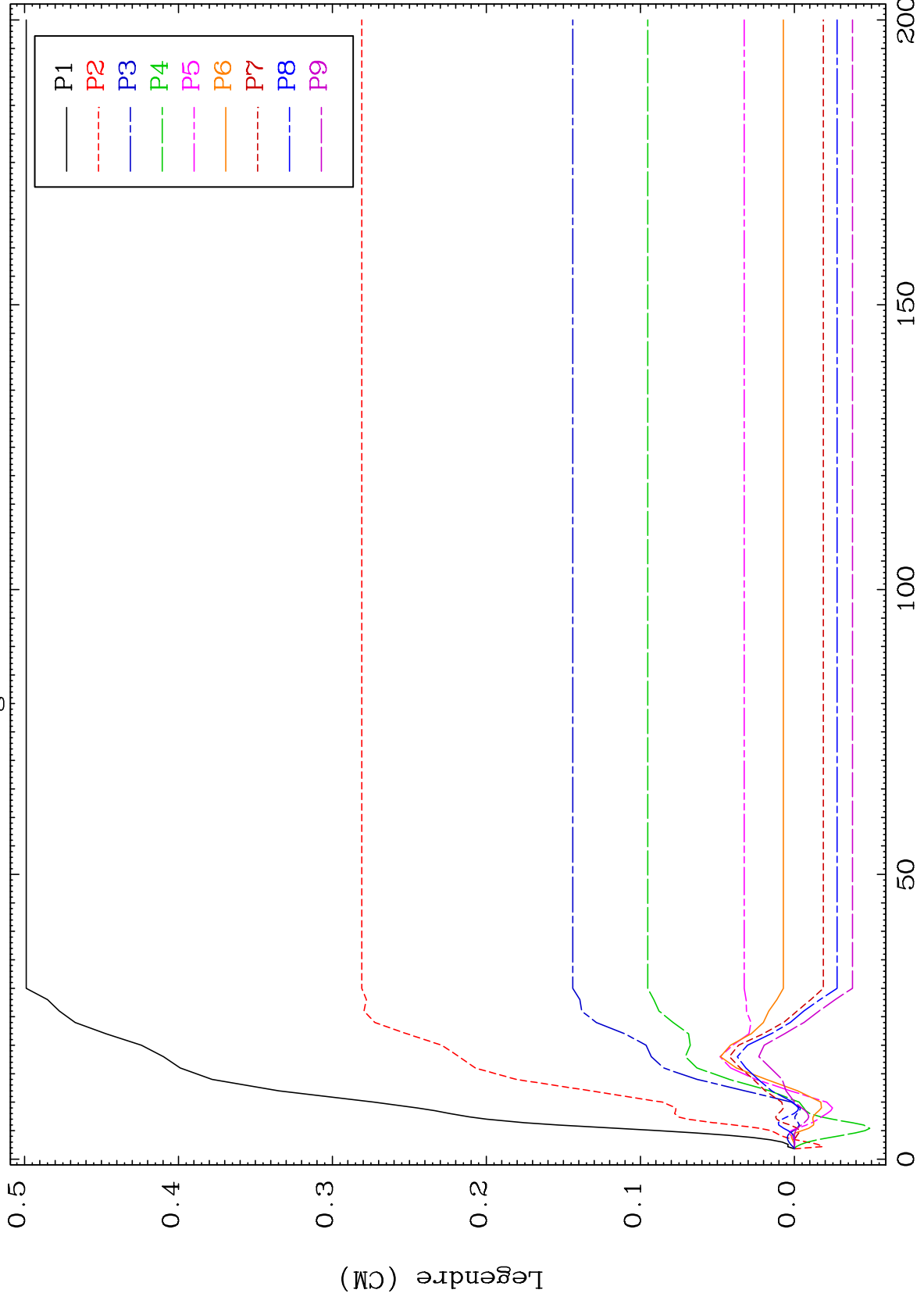


109

Incident Energy (MeV)

63-Eu-141

MAT 6295 MT= 74 (n,n') Level Legendre Coefficients 63-Eu-141

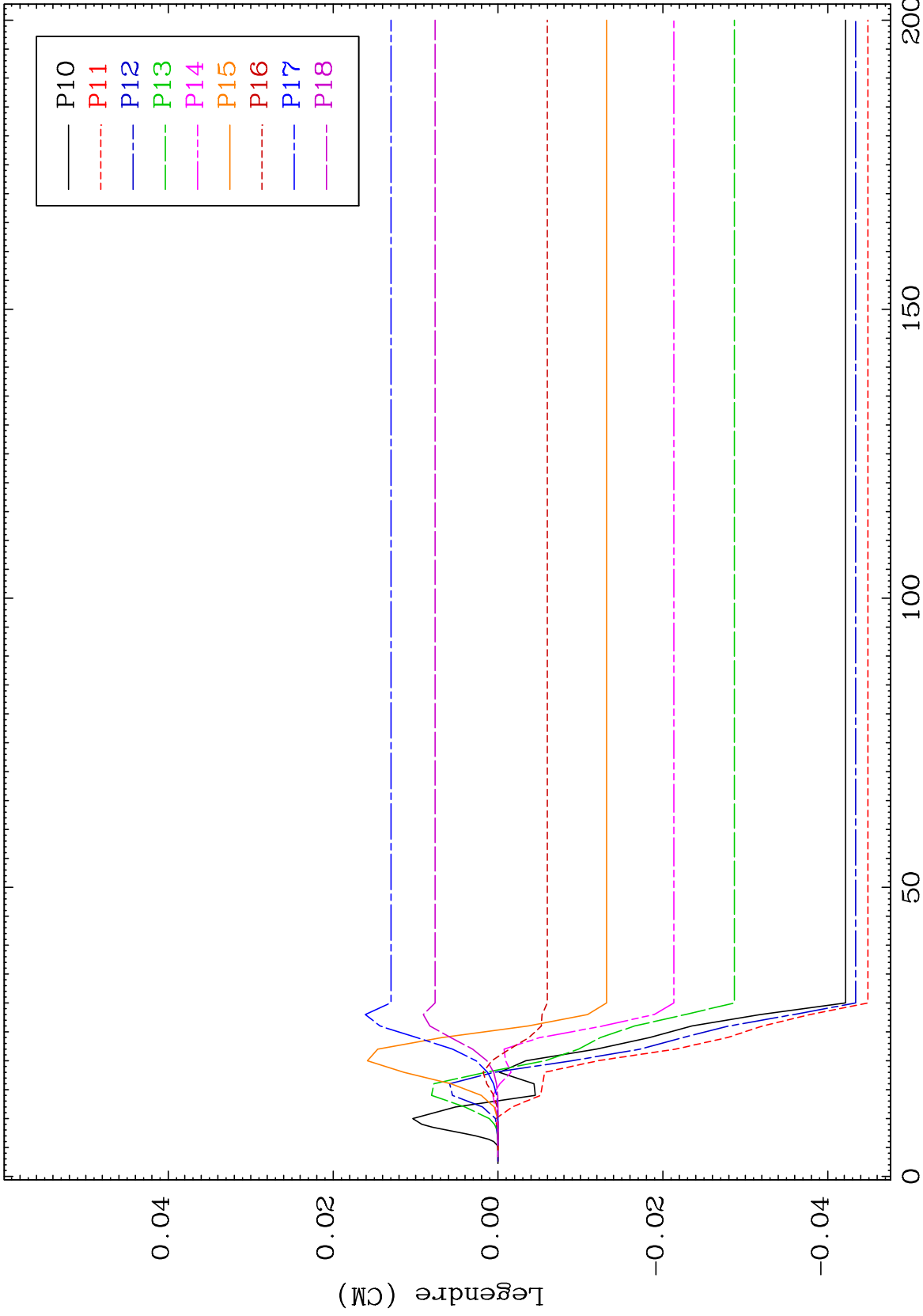


63-Eu-141

MAT 6295

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

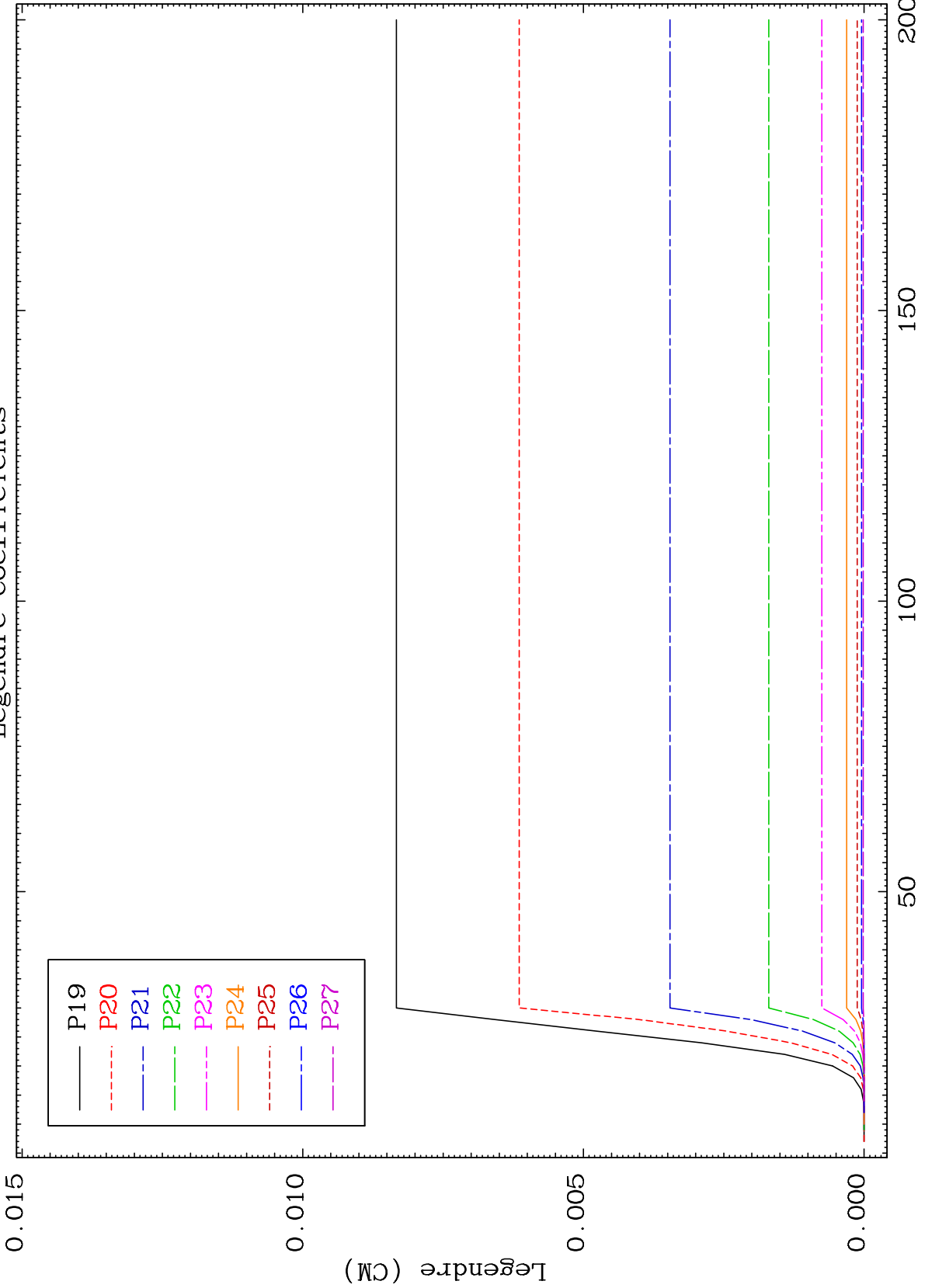
63-Eu-141



111

63-Eu-141

MAT 6295 MT= 74 (n,n') Level Legendre Coefficients 63-Eu-141



63-Eu-141

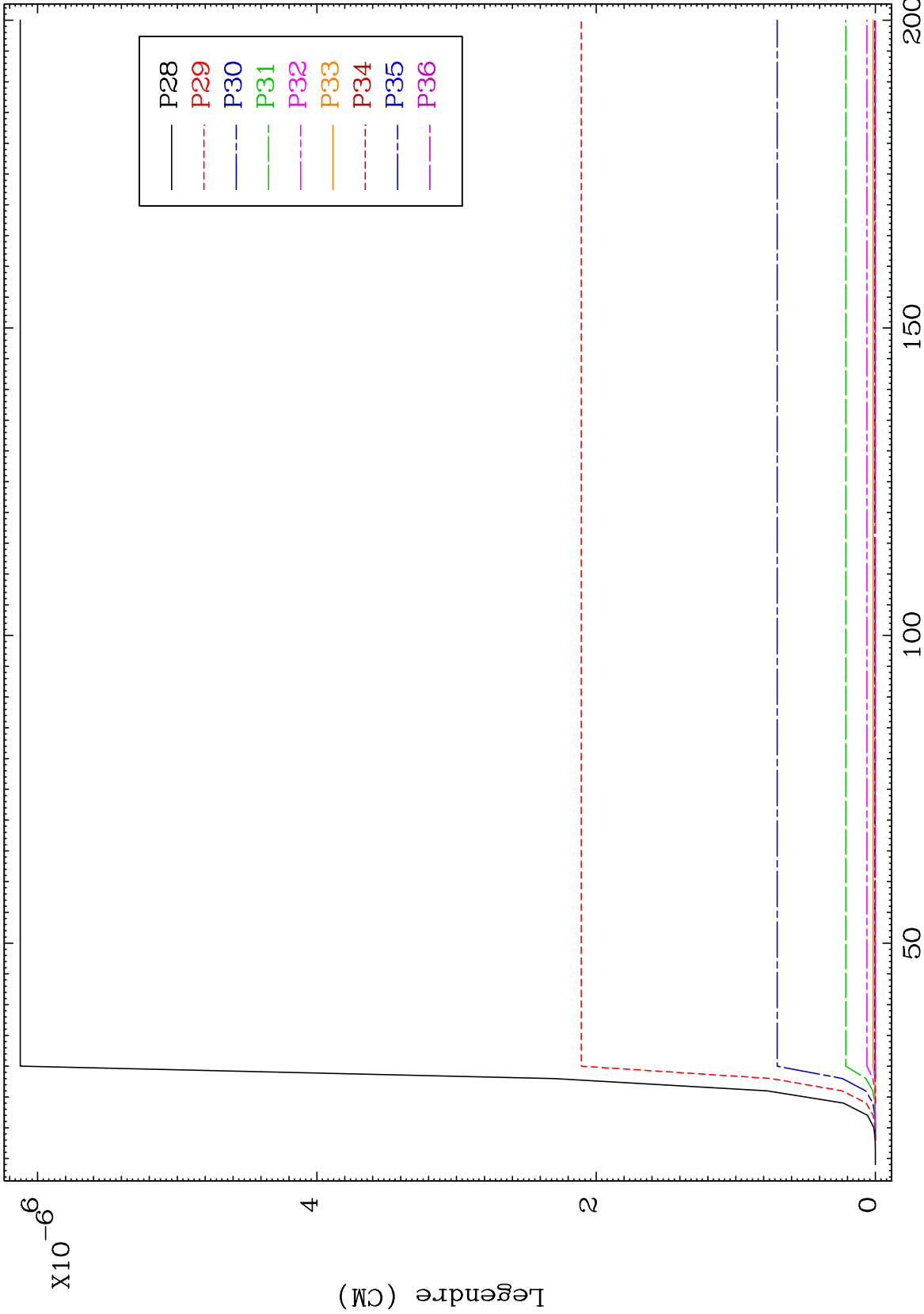
Incident Energy (MeV)

112

MAT 6295

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

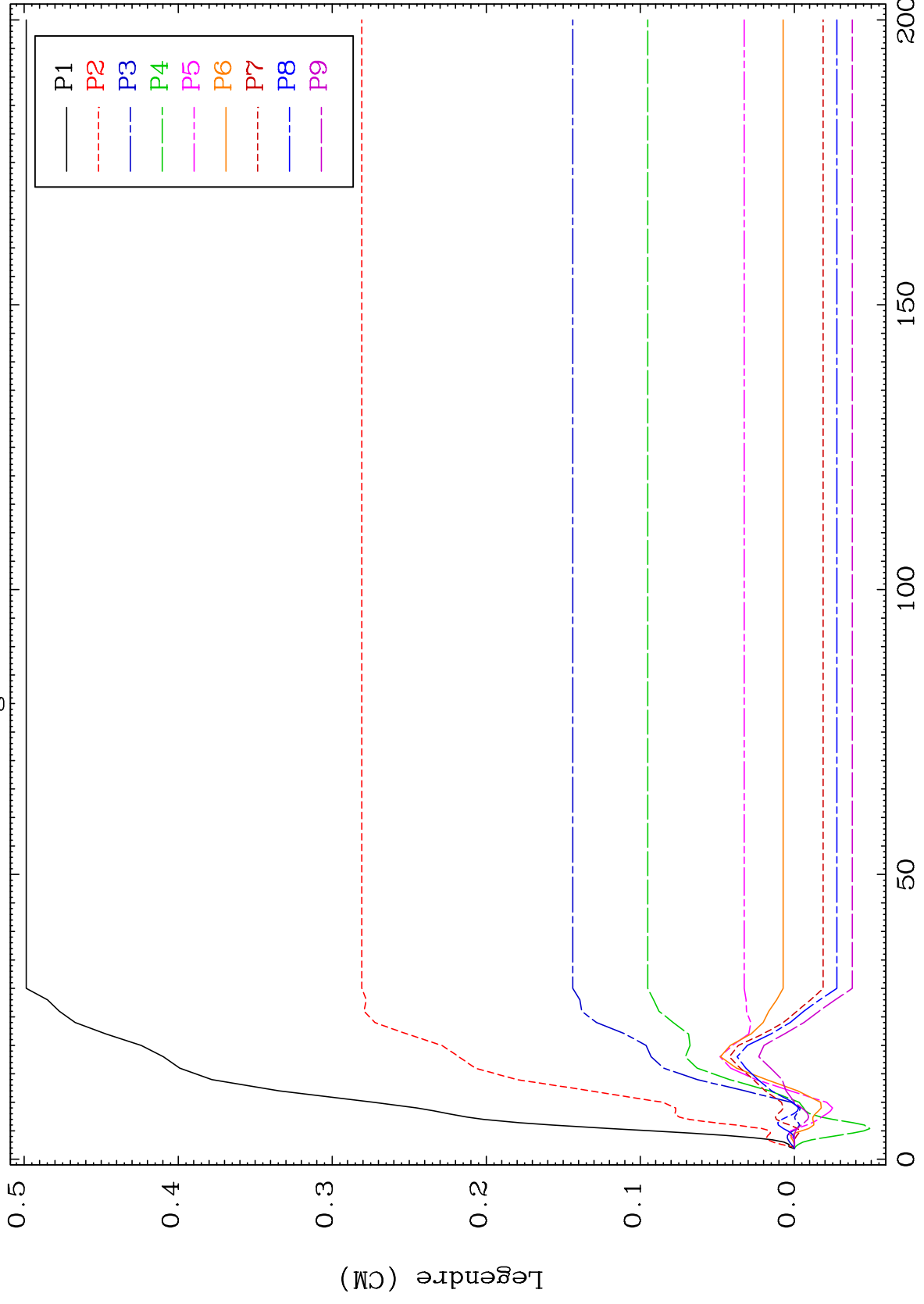
63-Eu-141



113

63-Eu-141

MAT 6295 MT= 75 (n,n') Level Legendre Coefficients 63-Eu-141

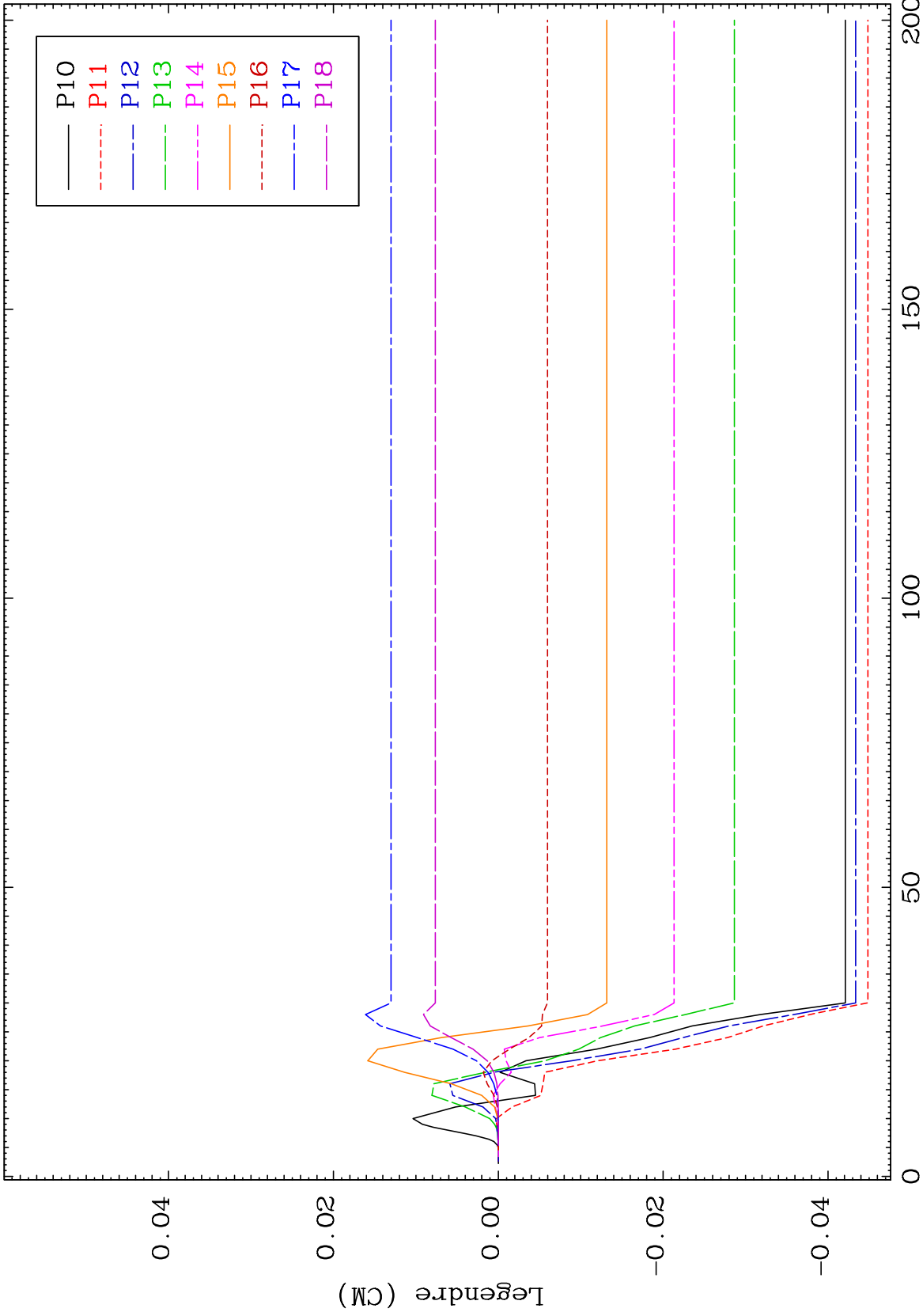


114 63-Eu-141

MAT 6295

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

63-Eu-141

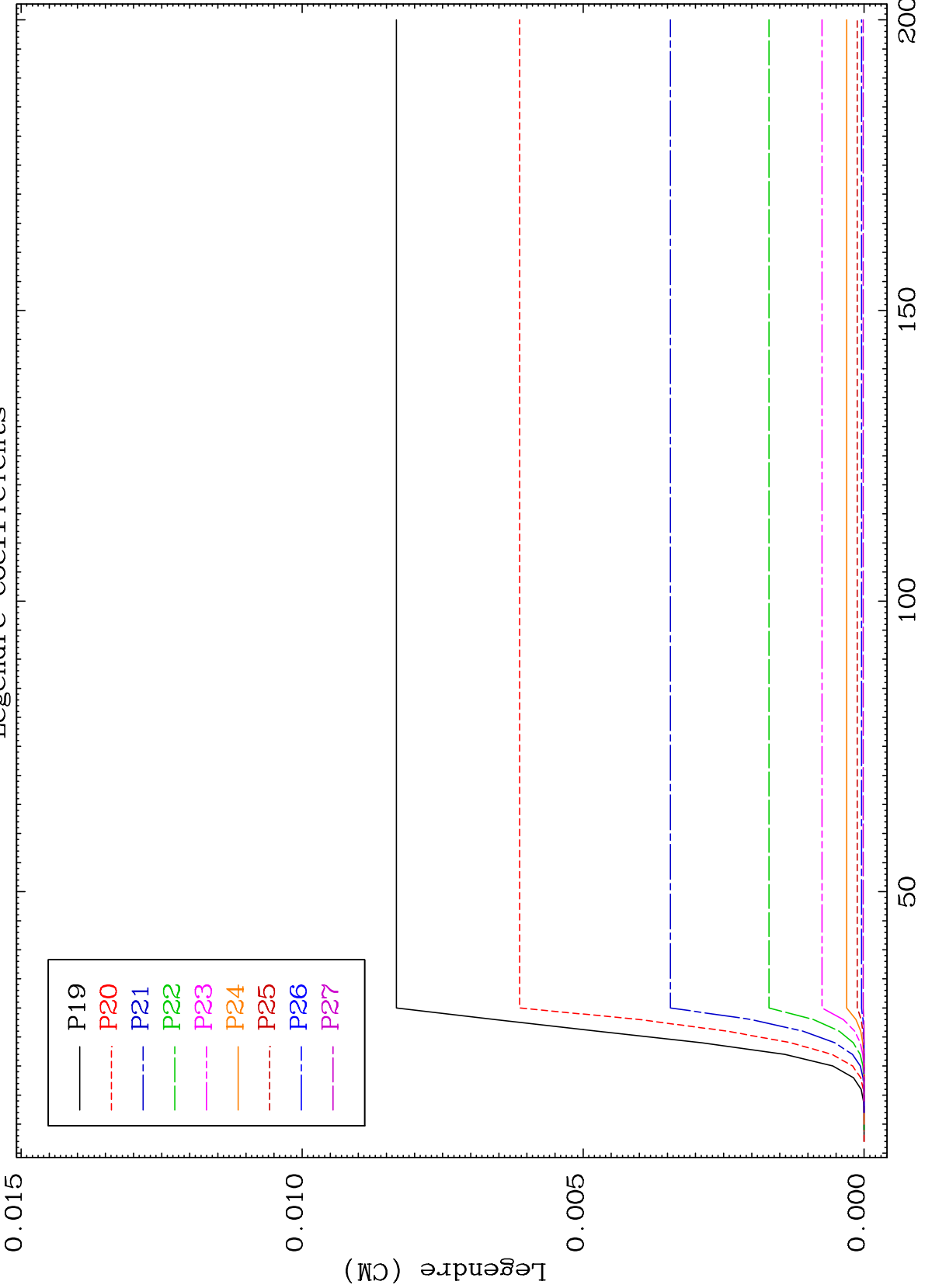


115

Incident Energy (MeV)

63-Eu-141

MAT 6295 MT= 75 (n,n') Level Legendre Coefficients 63-Eu-141



63-Eu-141

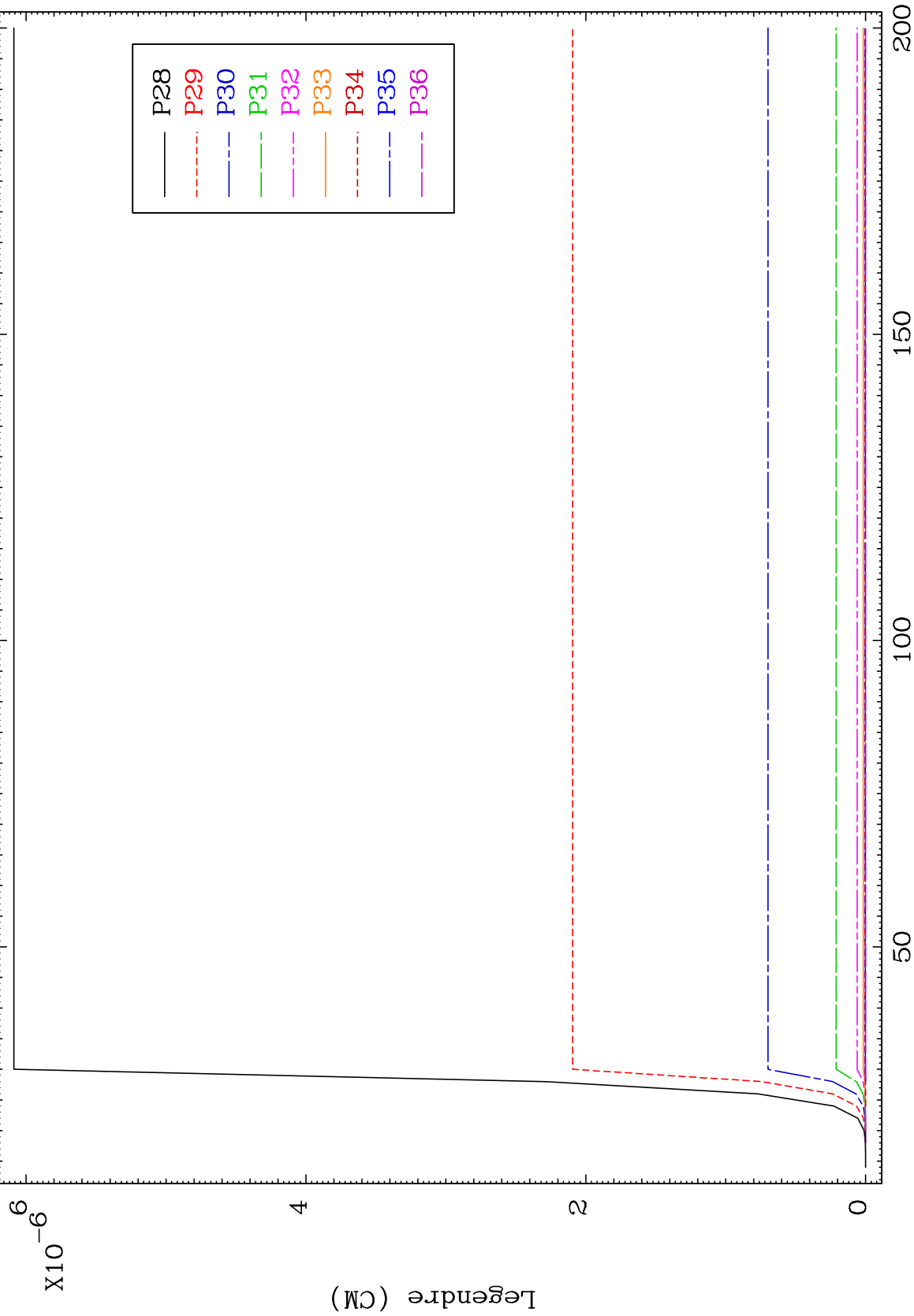
Incident Energy (MeV)

116

MAT 6295

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

63-Eu-141



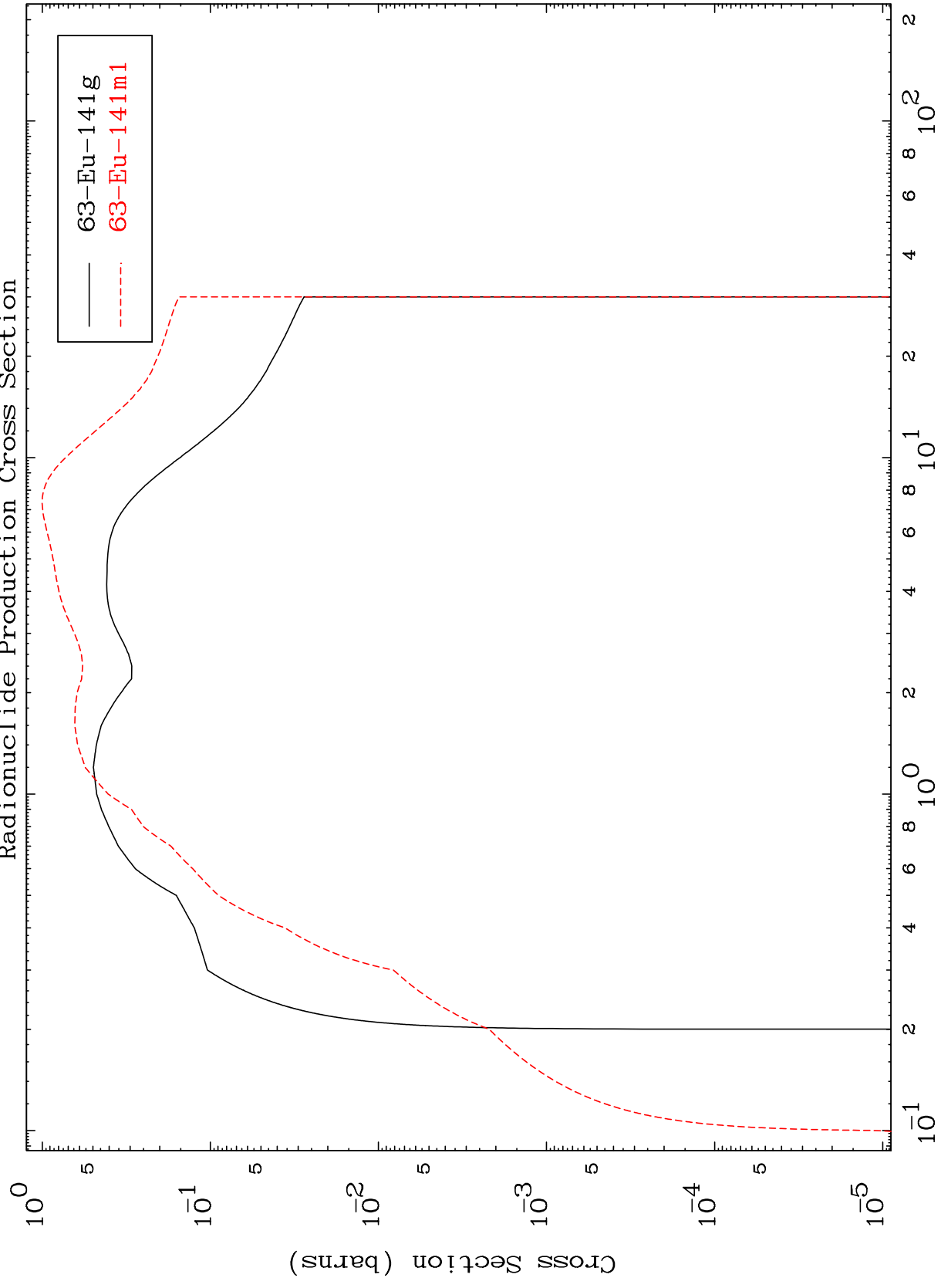
117

63-Eu-141

MAT 6295

63-Eu-141

Inelastic Radionuclide Production Cross Section



63-Eu-141

Incident Energy (MeV)

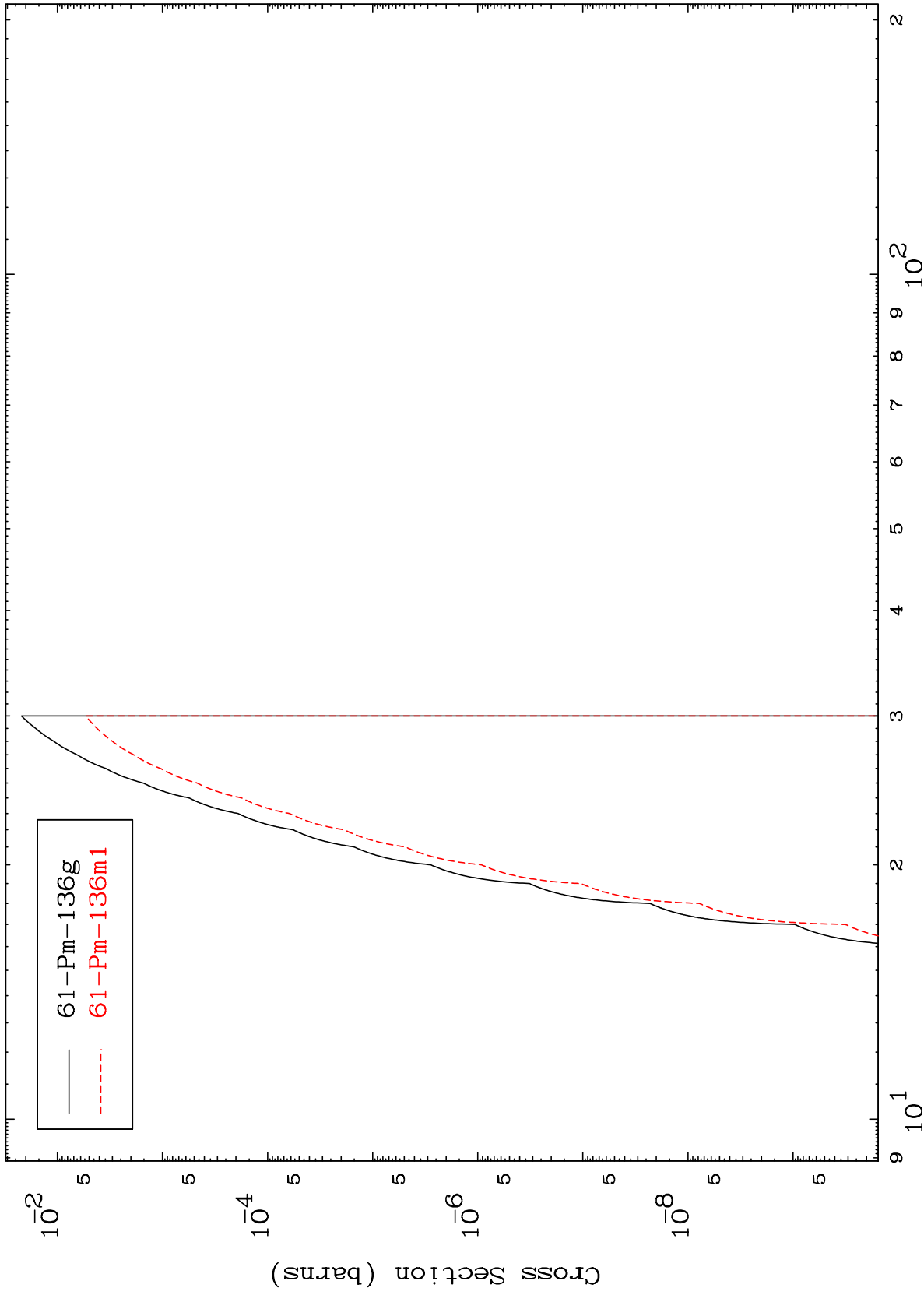
118

MAT 6295

(n,2n) α

63-Eu-141

Radionuclide Production Cross Section



119

Incident Energy (MeV)

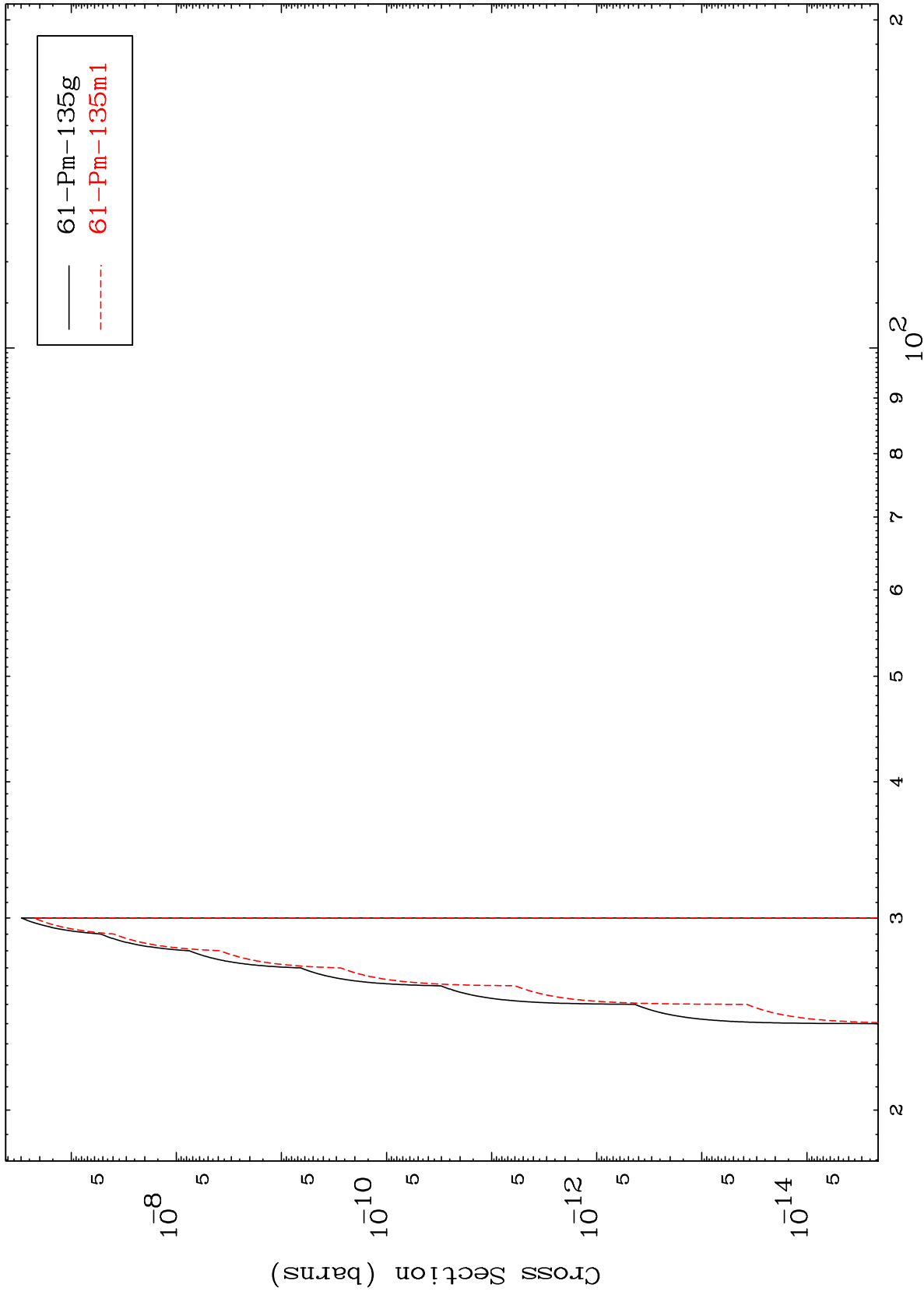
63-Eu-141

MAT 6295

(n,3n) α

63-Eu-141

Radionuclide Production Cross Section



120

Incident Energy (MeV)

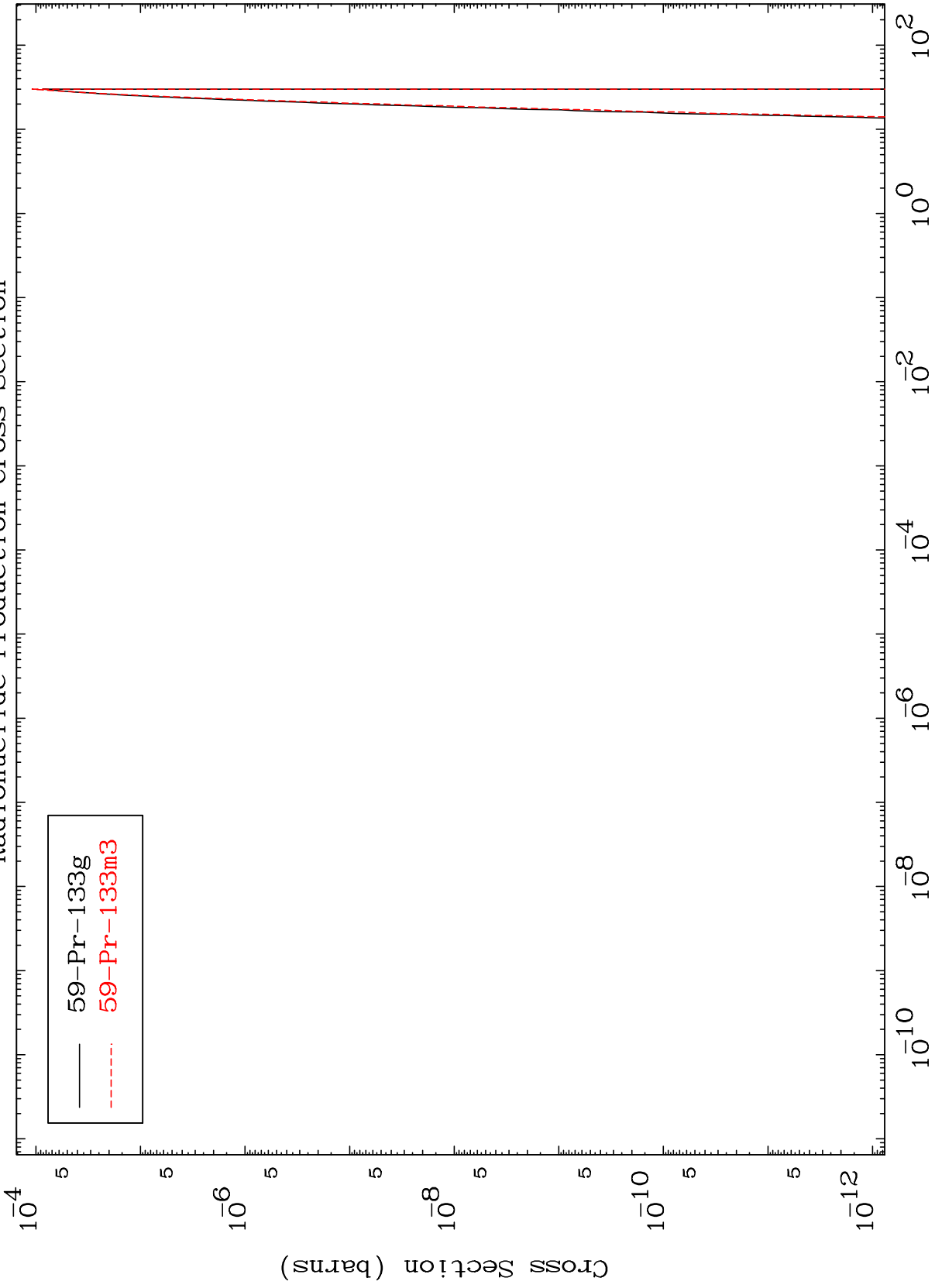
63-Eu-141

MAT 6295

(n,n') 2 α

63-Eu-141

Radionuclide Production Cross Section



121

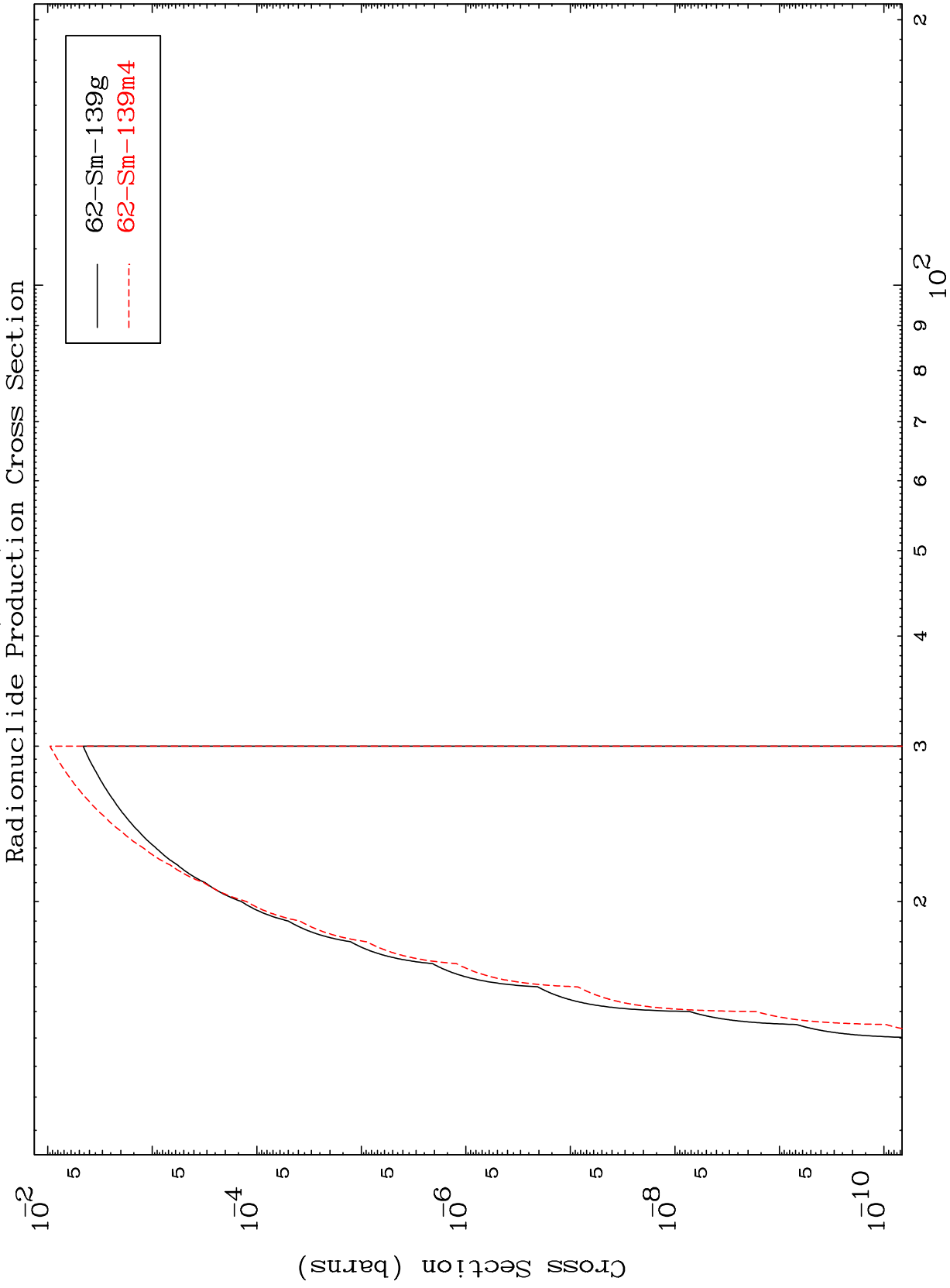
Incident Energy (MeV)

63-Eu-141

MAT 6295

(n,n') d

63-Eu-141



122

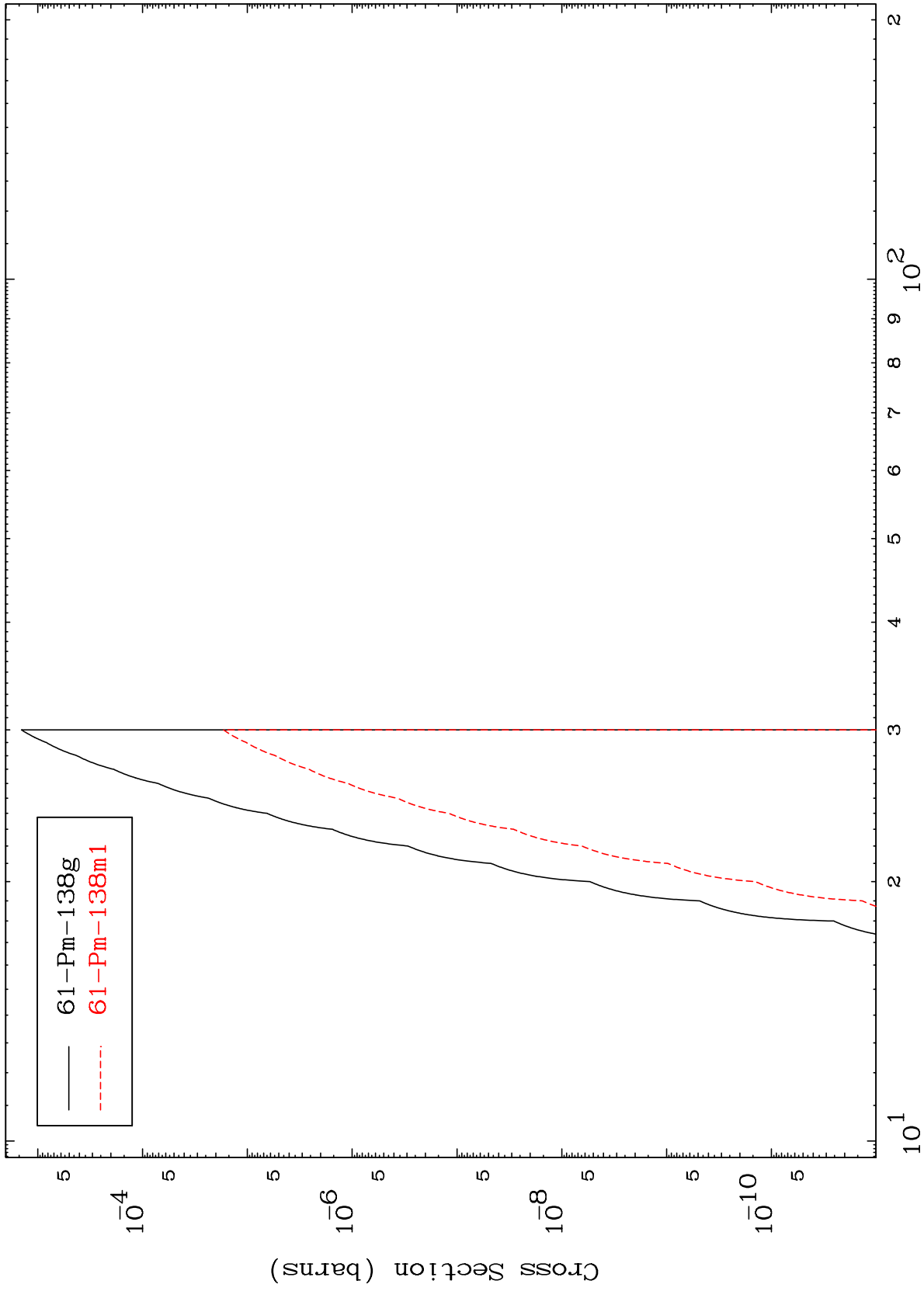
63-Eu-141

MAT 6295

(n, n') He-3

63-Eu-141

Radionuclide Production Cross Section



123

Incident Energy (MeV)

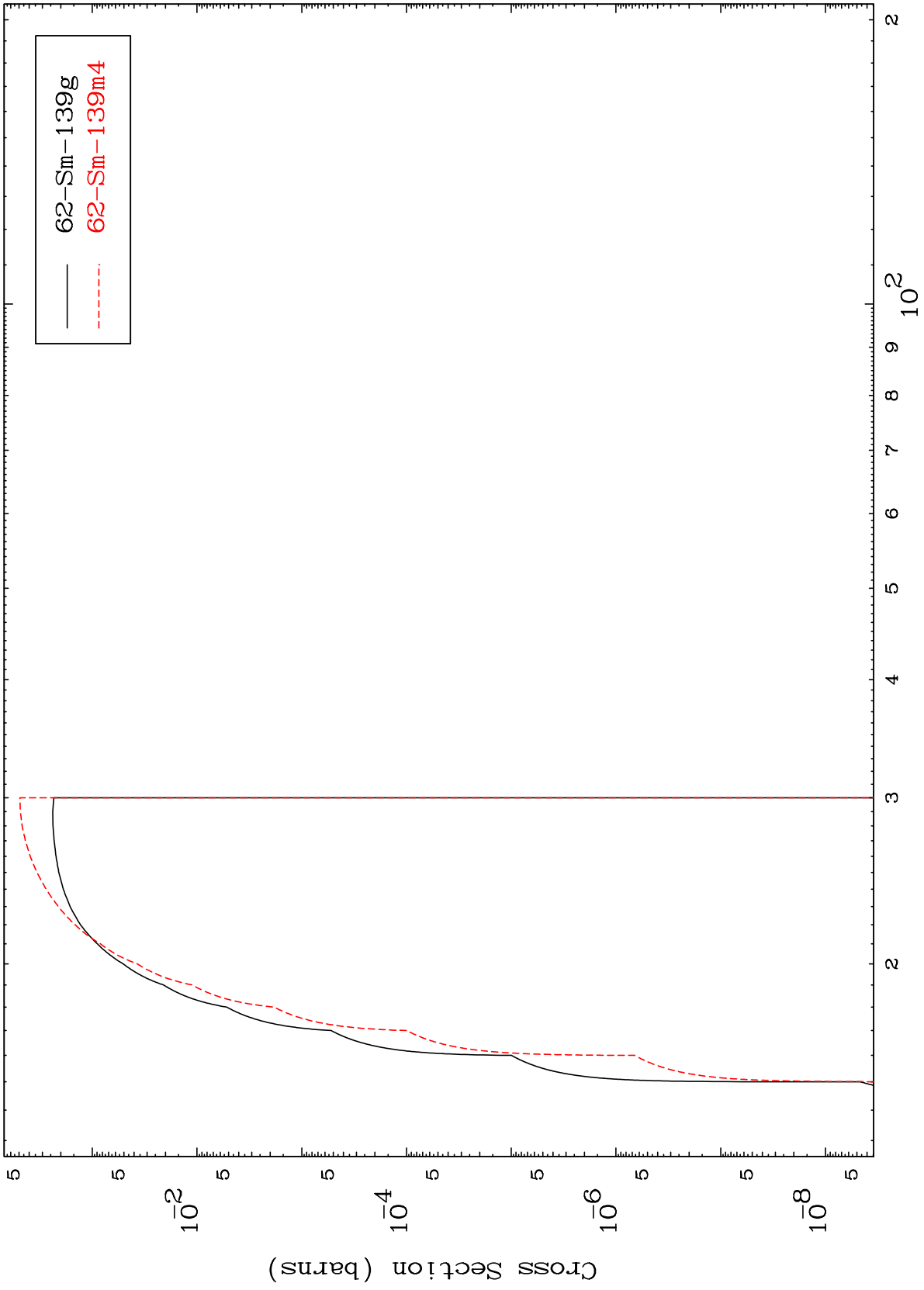
63-Eu-141

MAT 6295

(n,2n) p

63-Eu-141

Radionuclide Production Cross Section



124

Incident Energy (MeV)

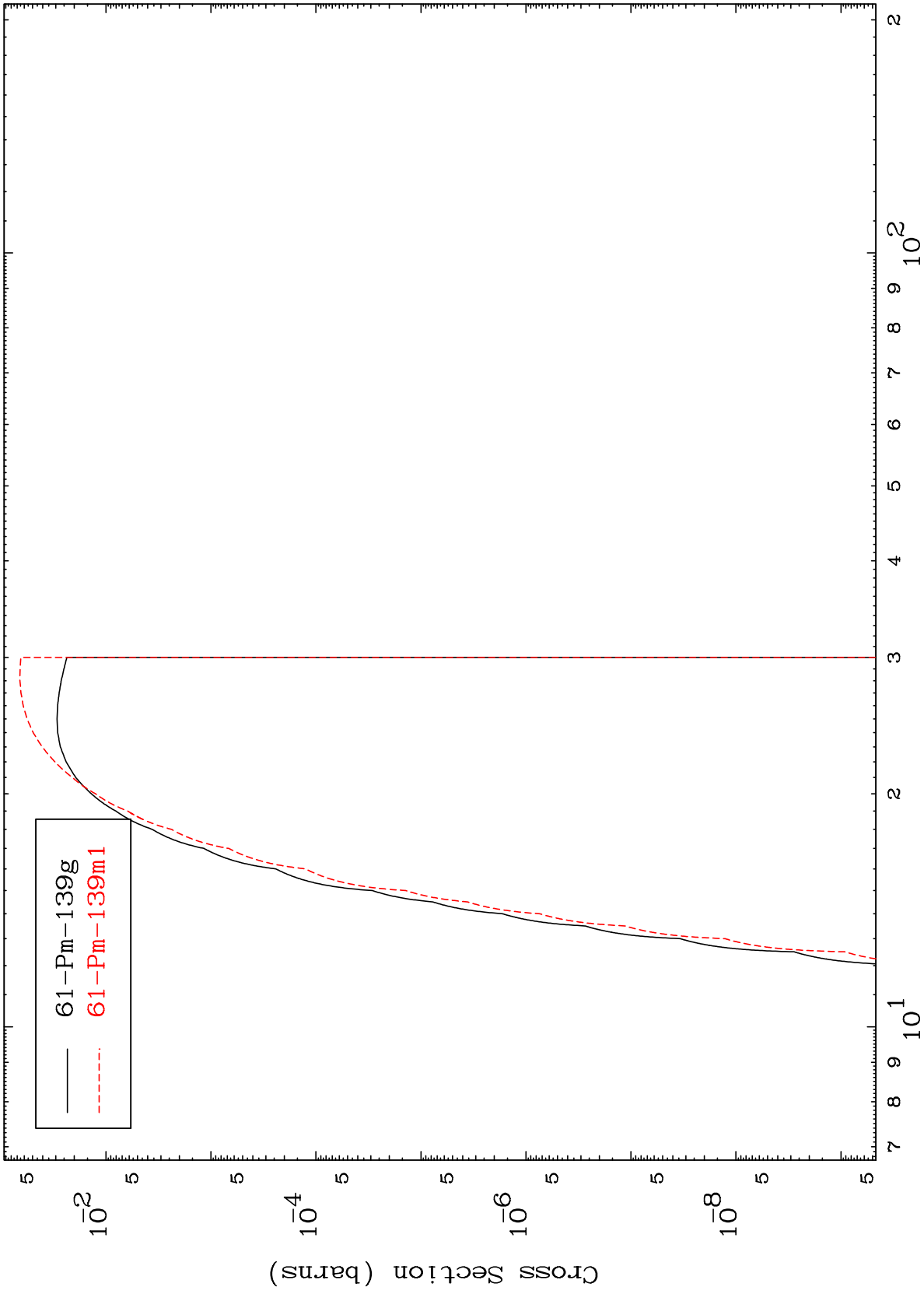
63-Eu-141

MAT 6295

(n,2n) p

63-Eu-141

Radionuclide Production Cross Section



125

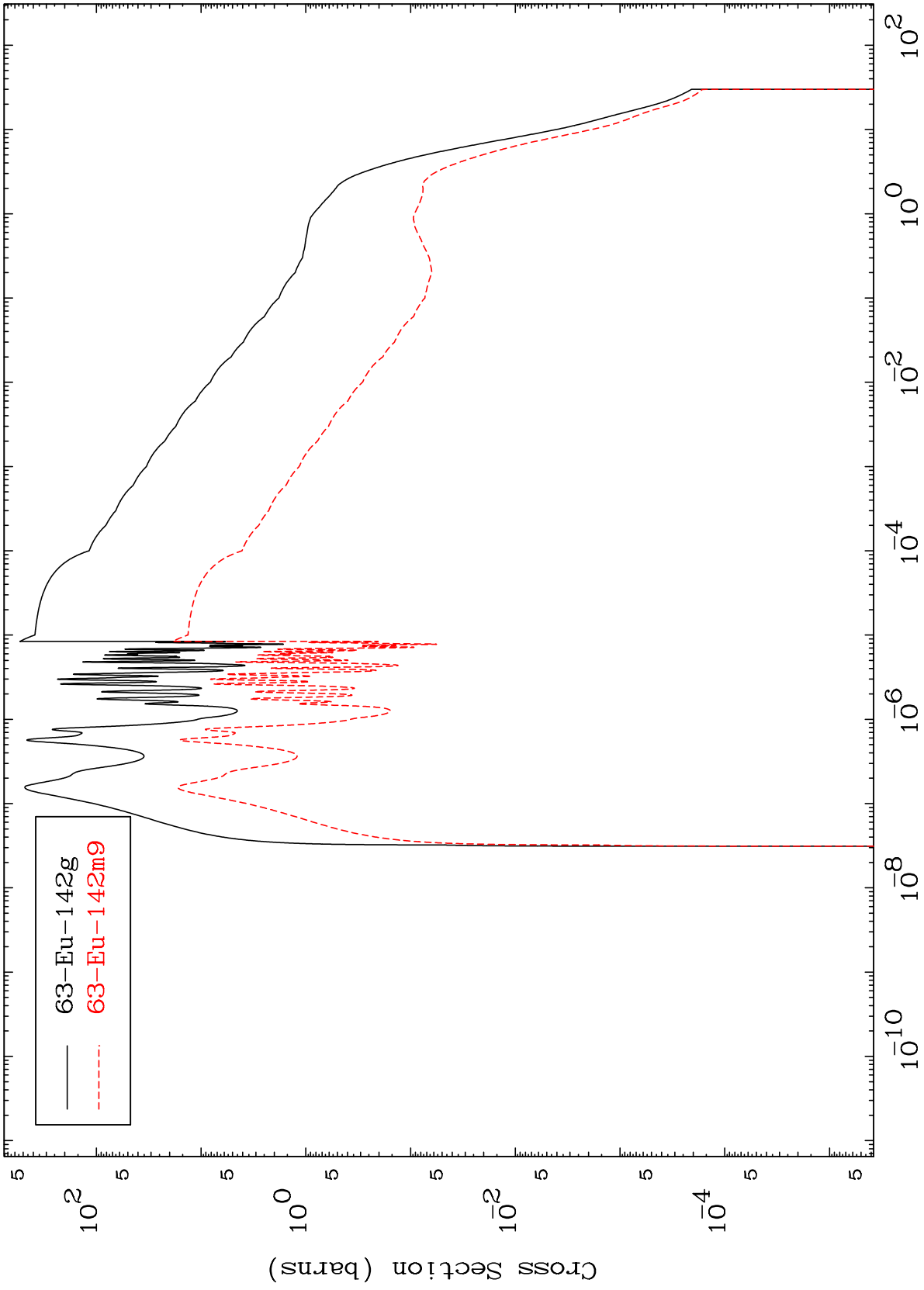
Incident Energy (MeV)

63-Eu-141

MAT 6295

63-Eu-141

Radionuclide Production Cross Section (n,γ)



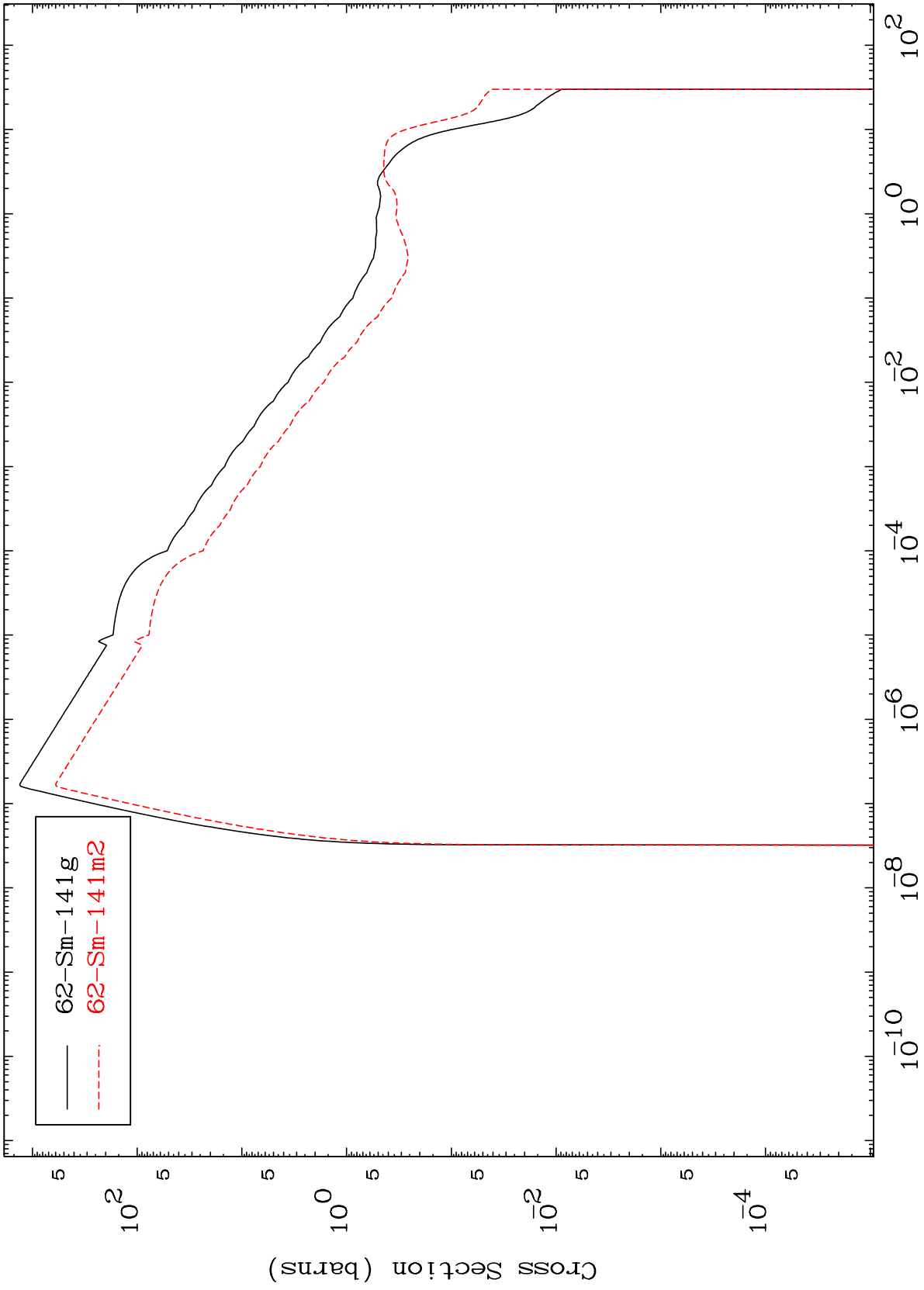
126

63-Eu-141

MAT 6295

63-Eu-141

(n,p)
Radionuclide Production Cross Section



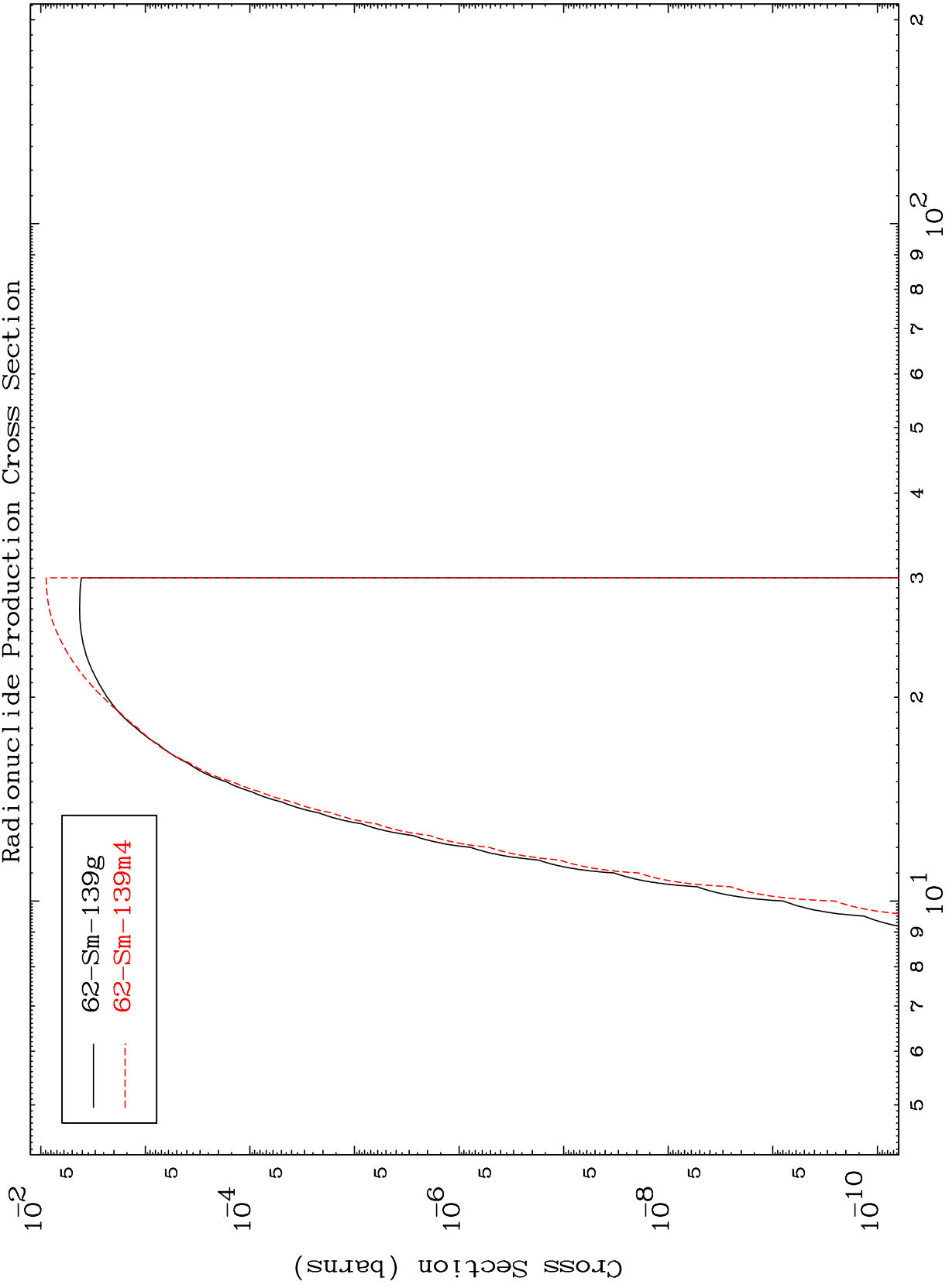
127

63-Eu-141

MAT 6295

63-Eu-141

(n, t)
Radionuclide Production Cross Section



128

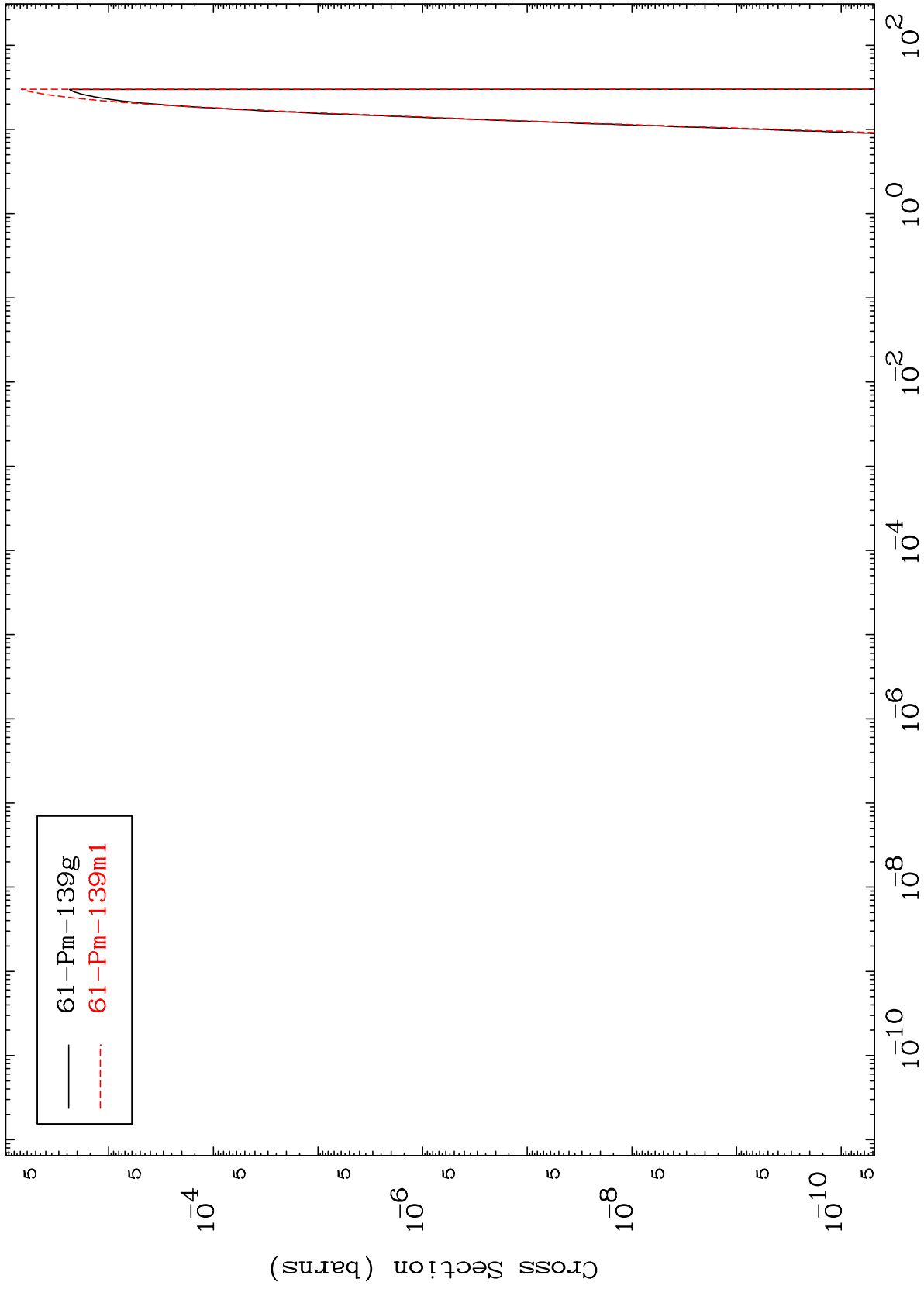
63-Eu-141

MAT 6295

(n, He-3)

63-Eu-141

Radionuclide Production Cross Section



129

Incident Energy (MeV)

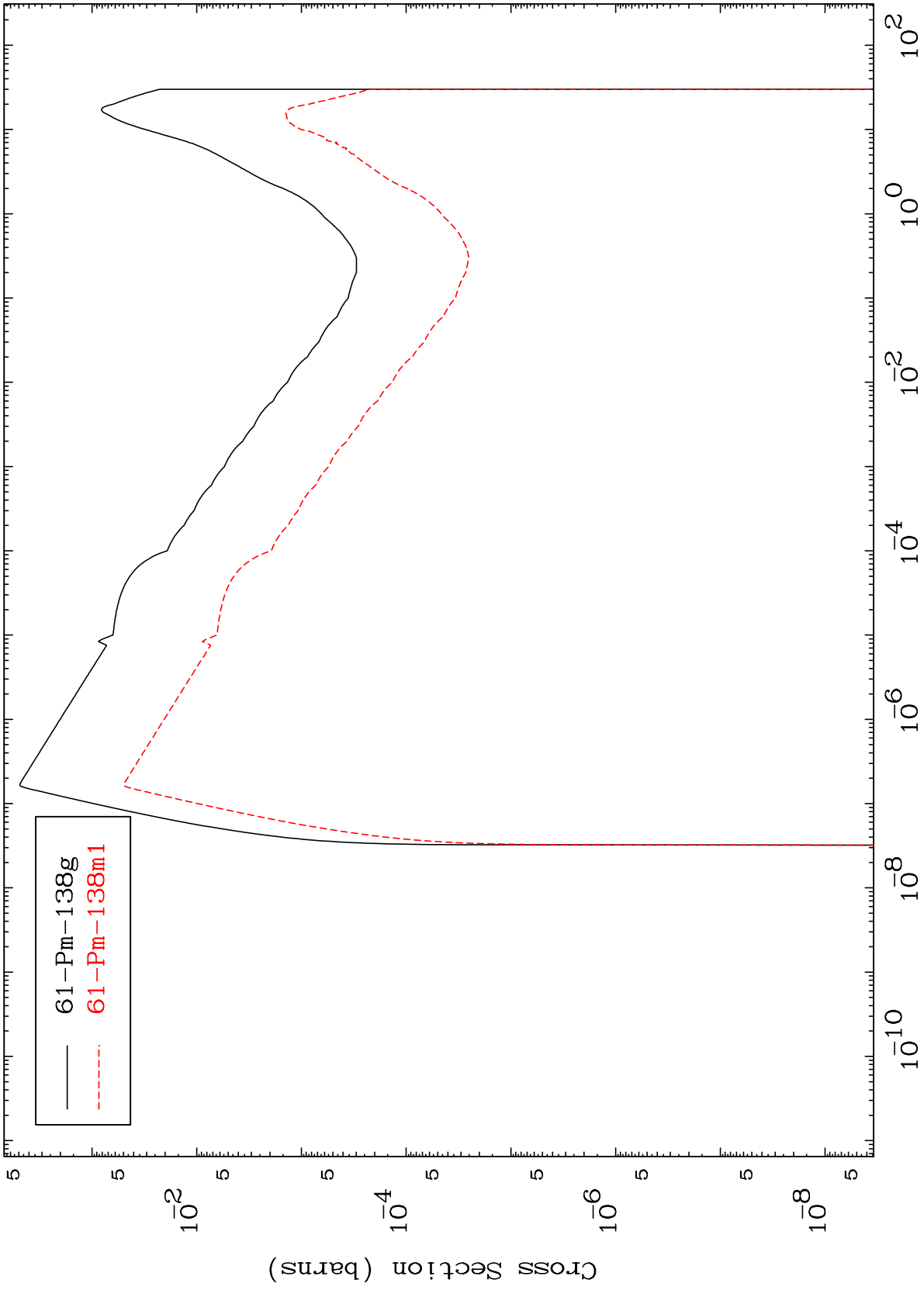
63-Eu-141

MAT 6295

(n, α)

63-Eu-141

Radionuclide Production Cross Section



130

Incident Energy (MeV)

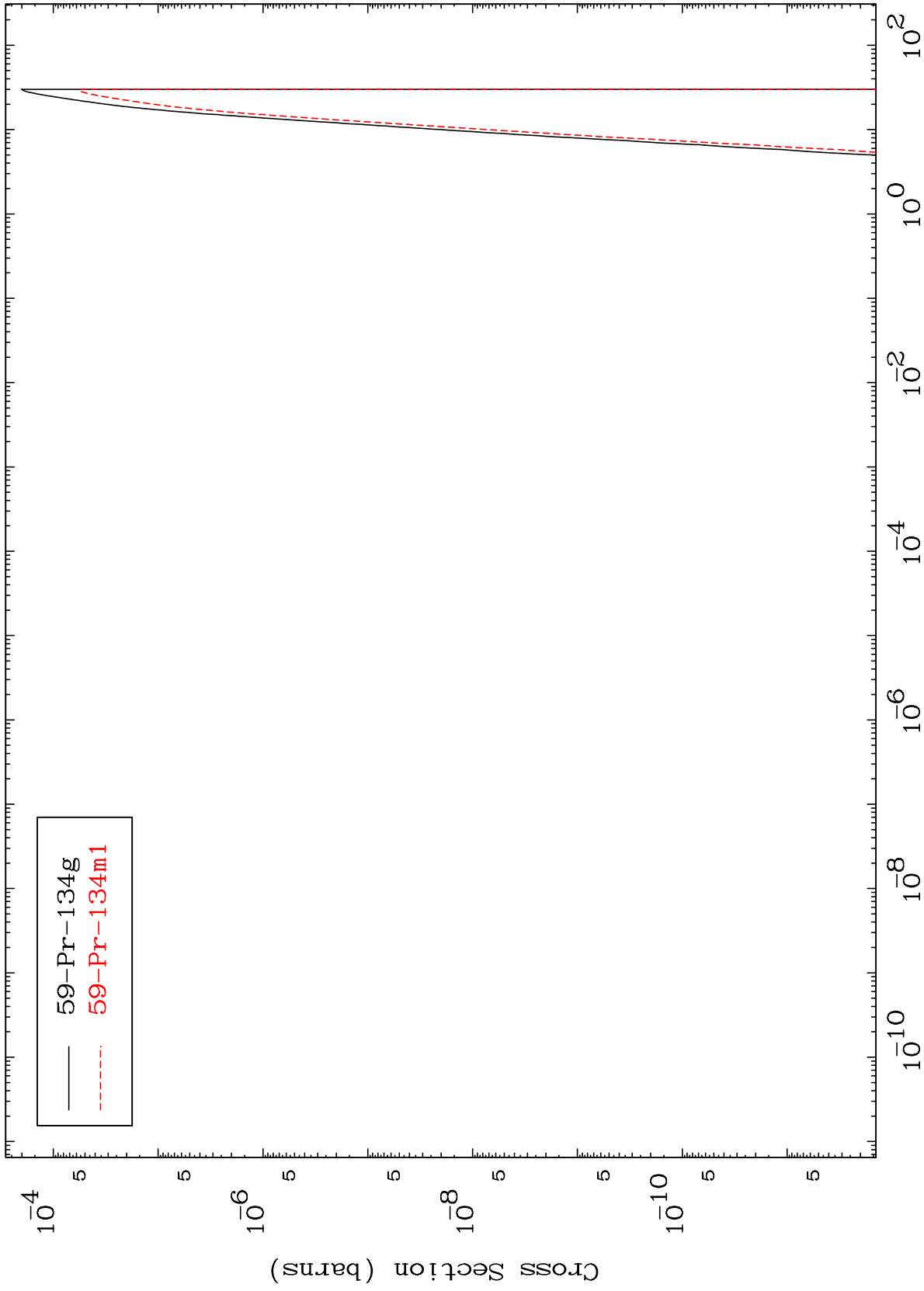
63-Eu-141

MAT 6295

(n,2α)

63-Eu-141

Radionuclide Production Cross Section



131

Incident Energy (MeV)

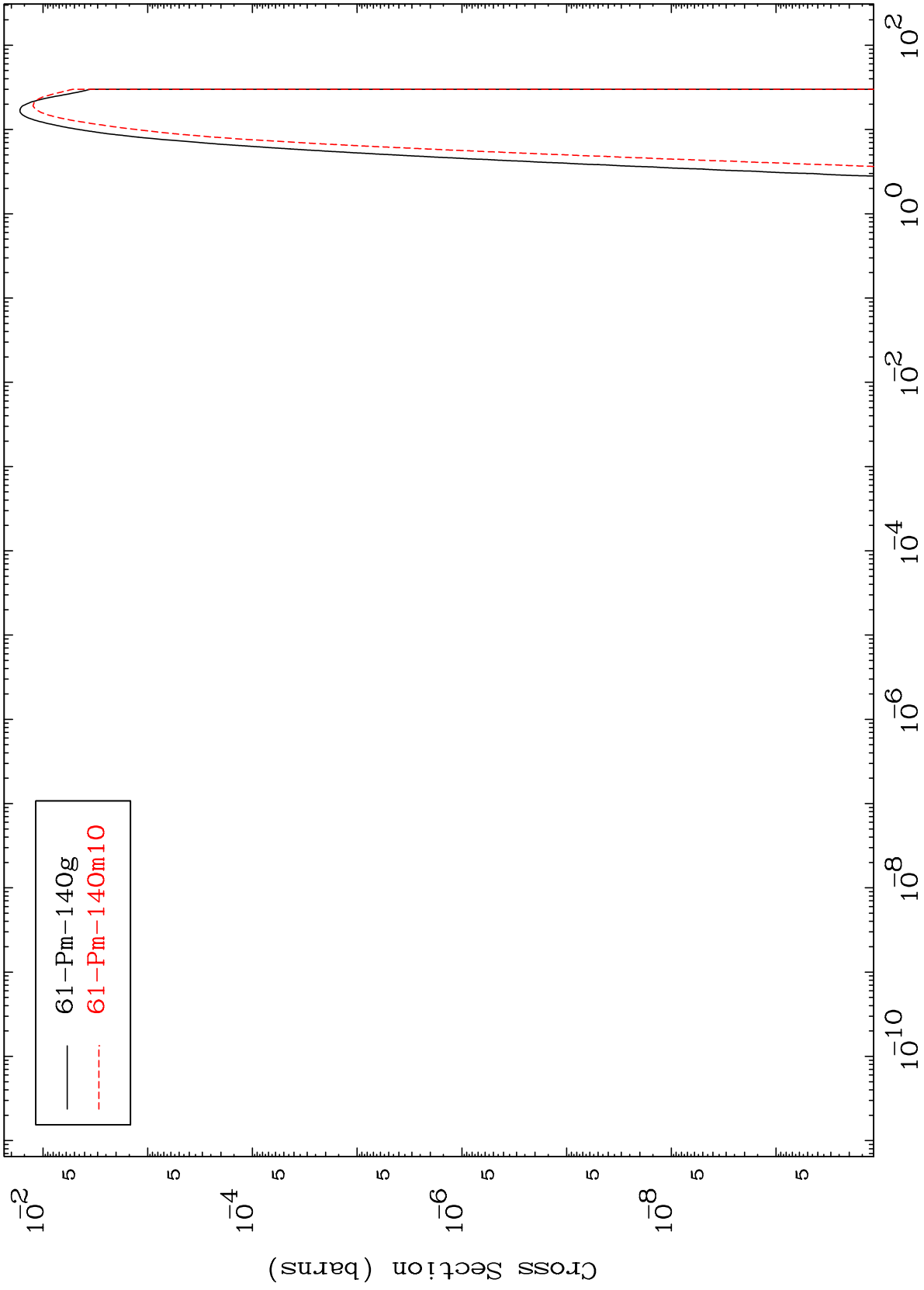
63-Eu-141

MAT 6295

(n,2p)

63-Eu-141

Radionuclide Production Cross Section

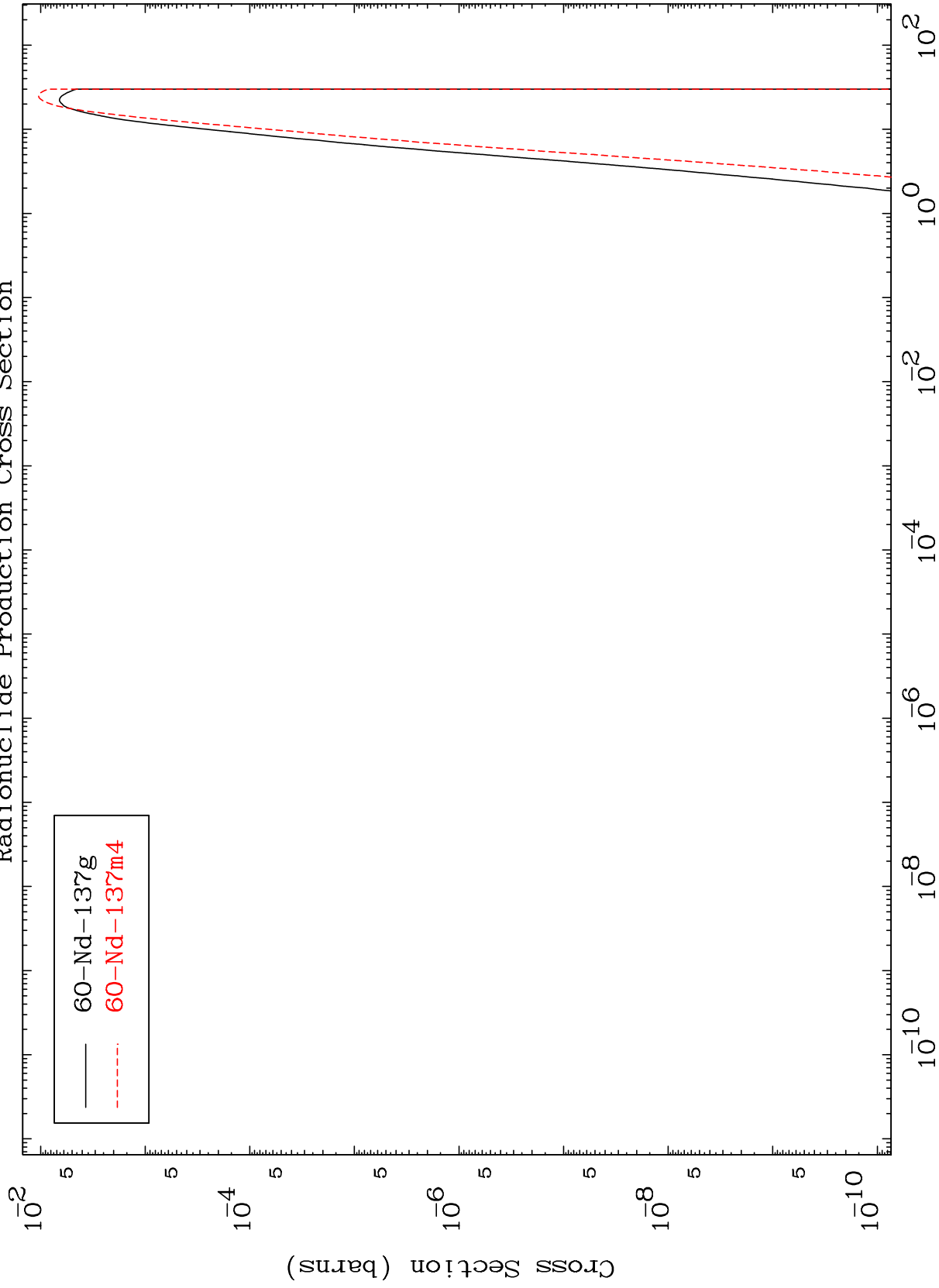


MAT 6295

(n,p) α

63-Eu-141

Radionuclide Production Cross Section



133

Incident Energy (MeV)

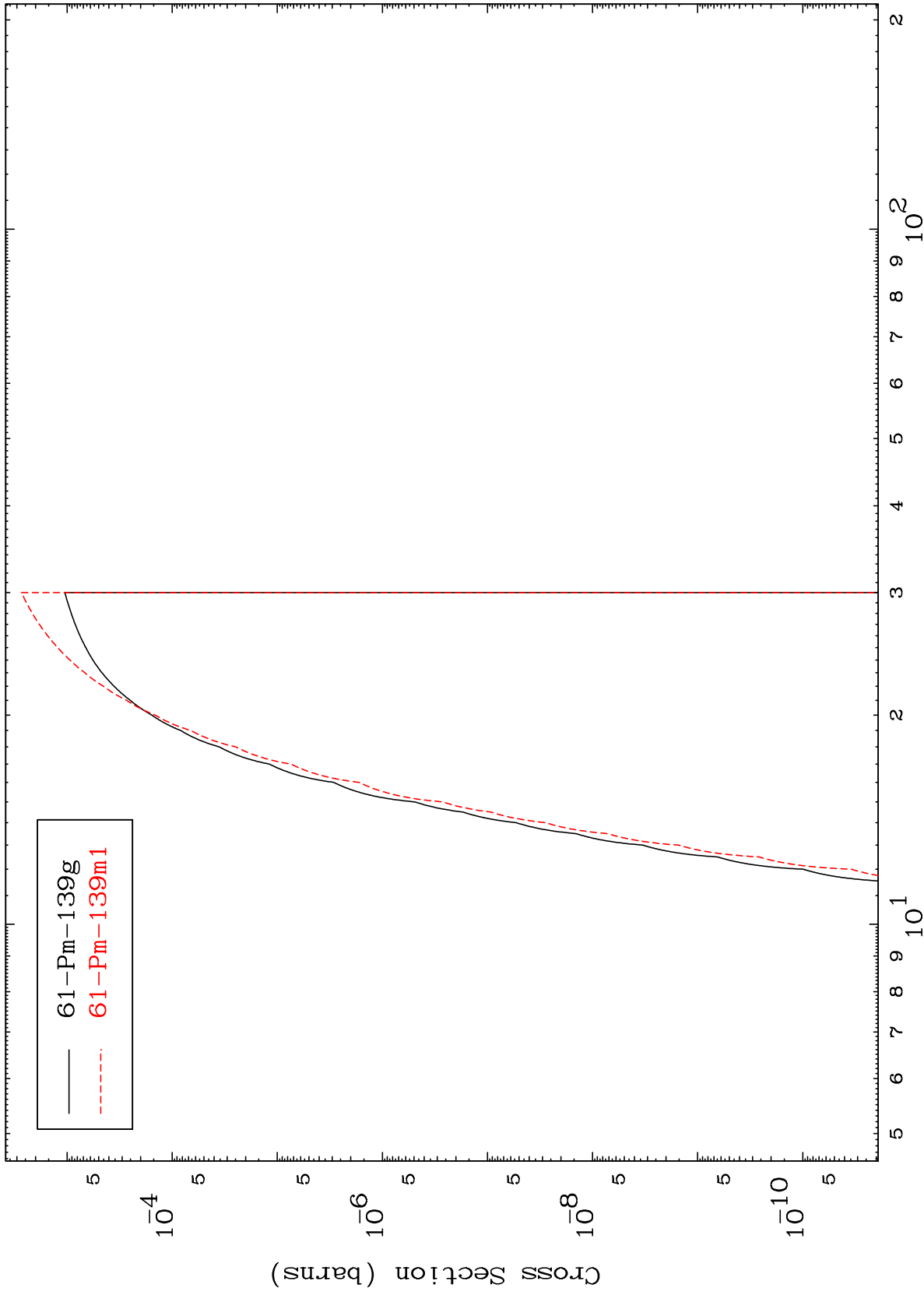
63-Eu-141

MAT 6295

(n,p) d

63-Eu-141

Radionuclide Production Cross Section



134

Incident Energy (MeV)

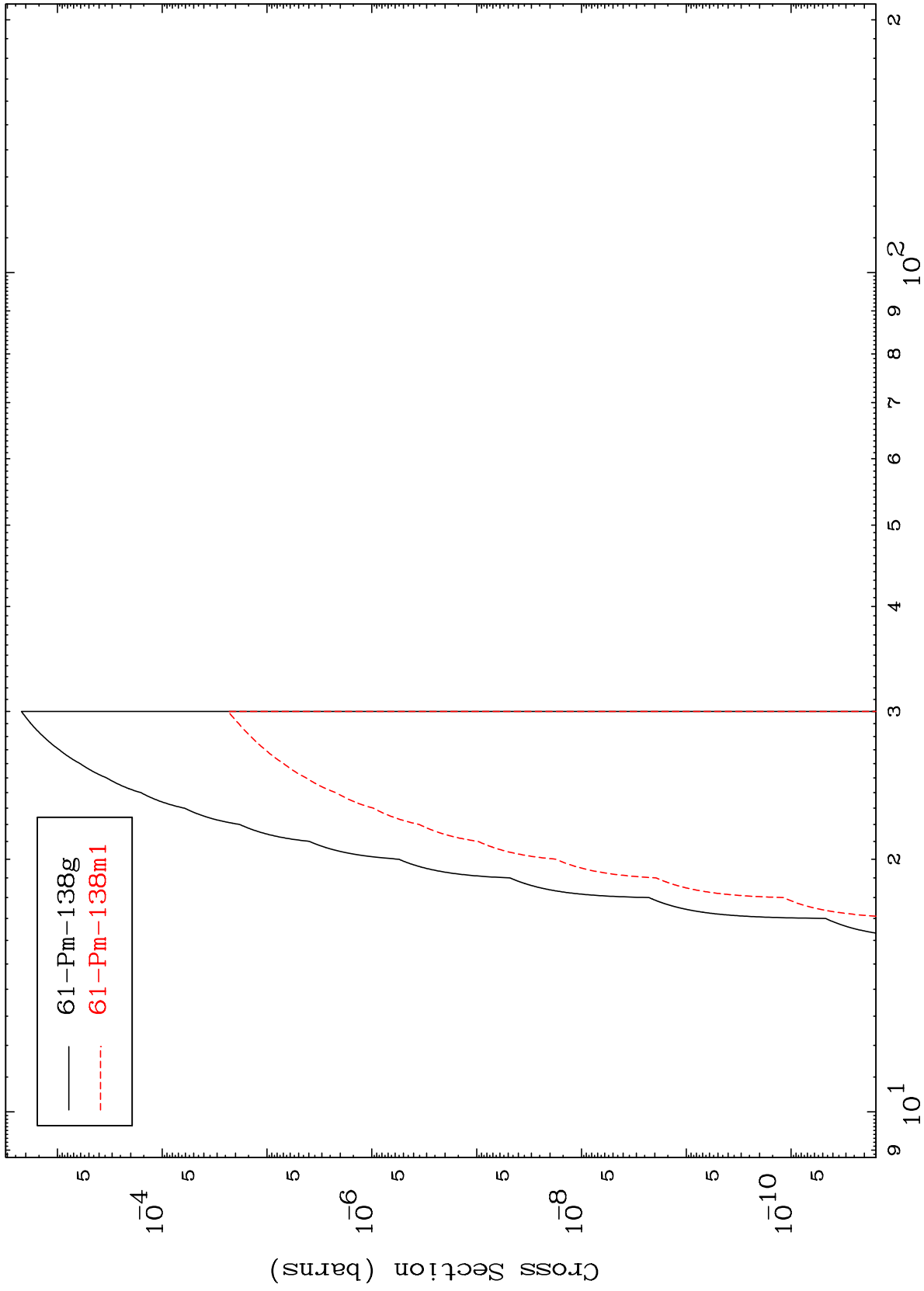
63-Eu-141

MAT 6295

(n,p) t

63-Eu-141

Radionuclide Production Cross Section



135

Incident Energy (MeV)

63-Eu-141