

Program EVALPLOT
(Version 2018-1)

by

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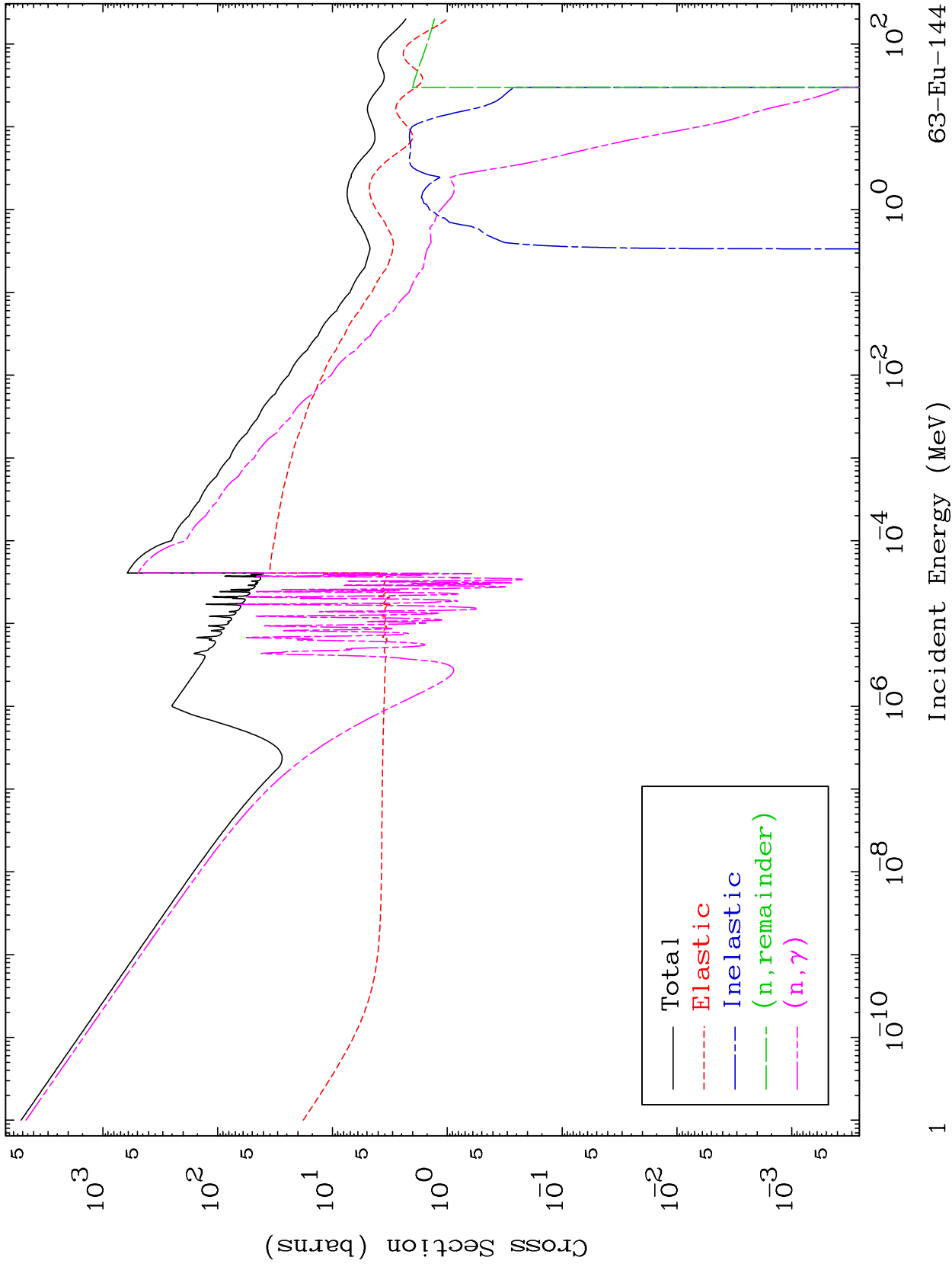
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Press Mouse Button to Start

MAT 6304

Major
293 Kelvin Cross Sections

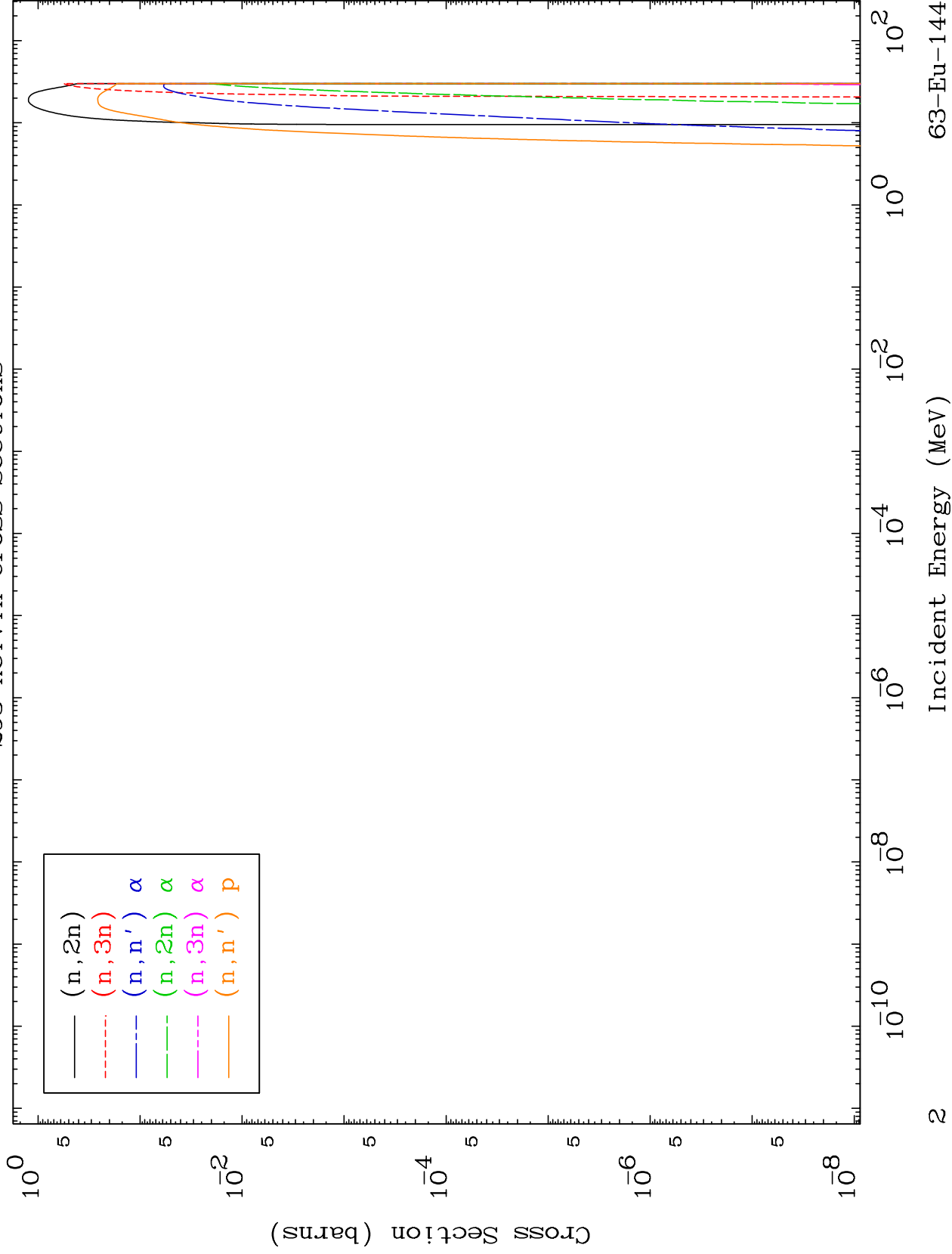
63-Eu-144



MAT 6304

Neutron Production
293 Kelvin Cross Sections

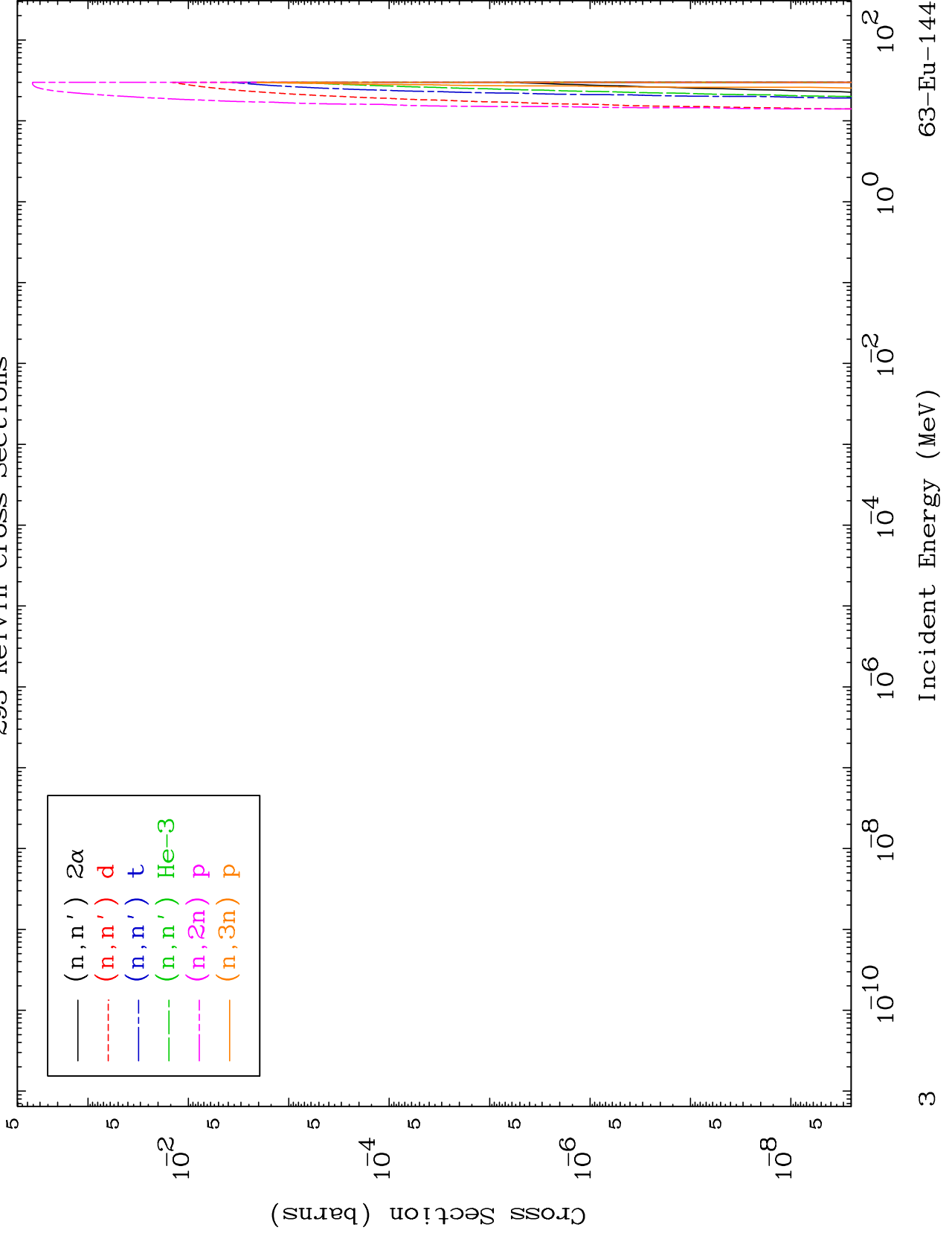
63-Eu-144



MAT 6304

Neutron Production
293 Kelvin Cross Sections

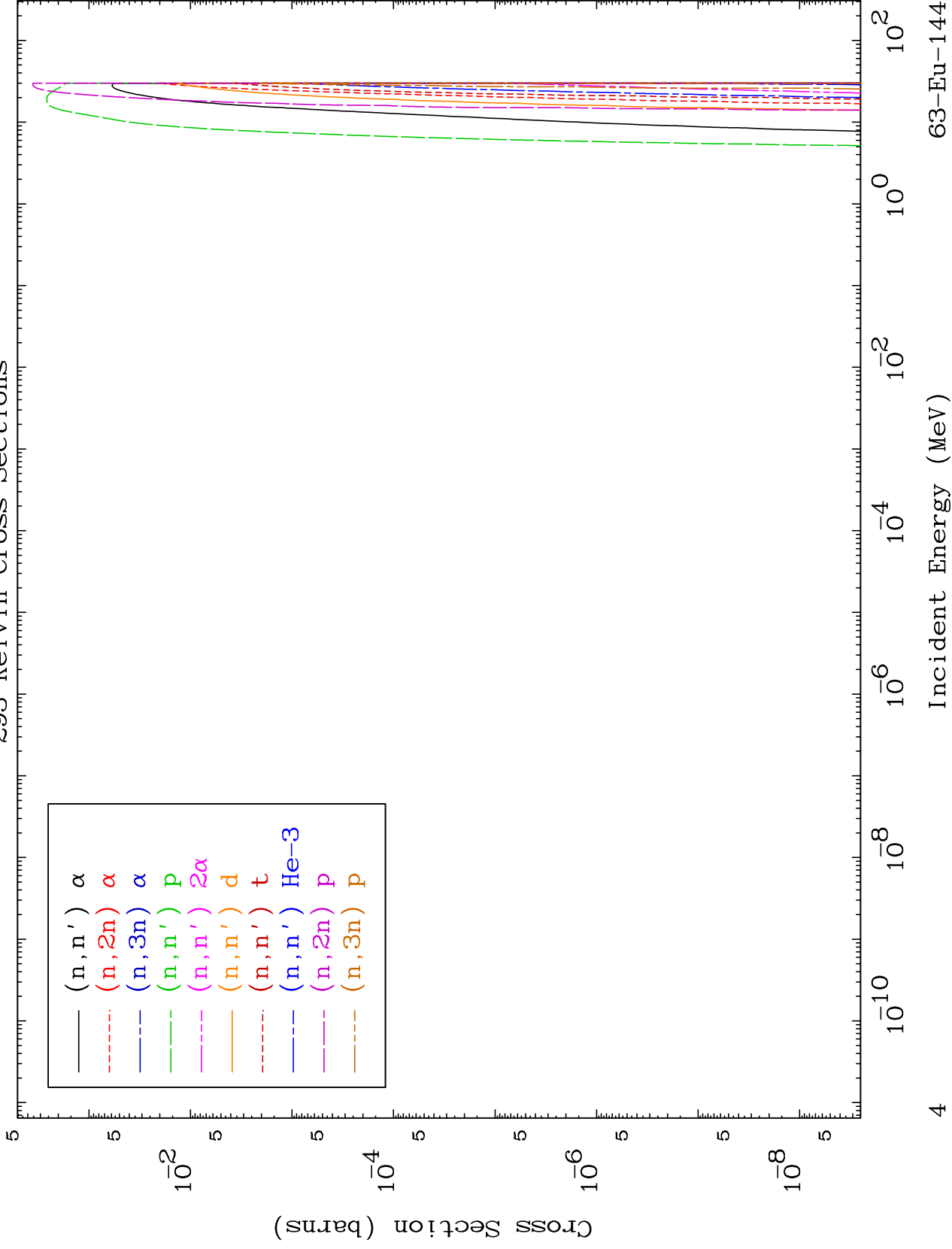
63-Eu-144



MAT 6304

Charged Particle
293 Kelvin Cross Sections

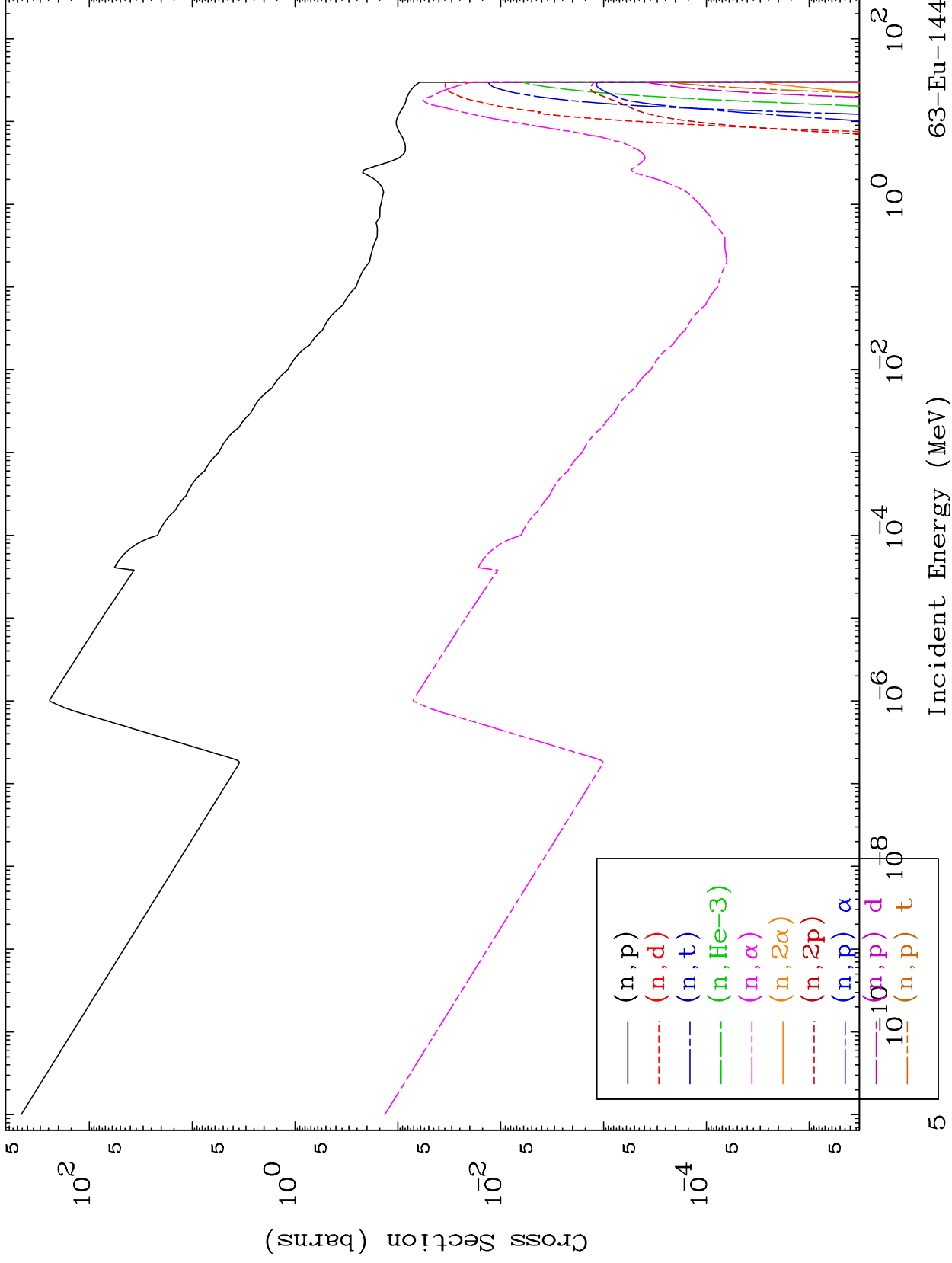
63-Eu-144

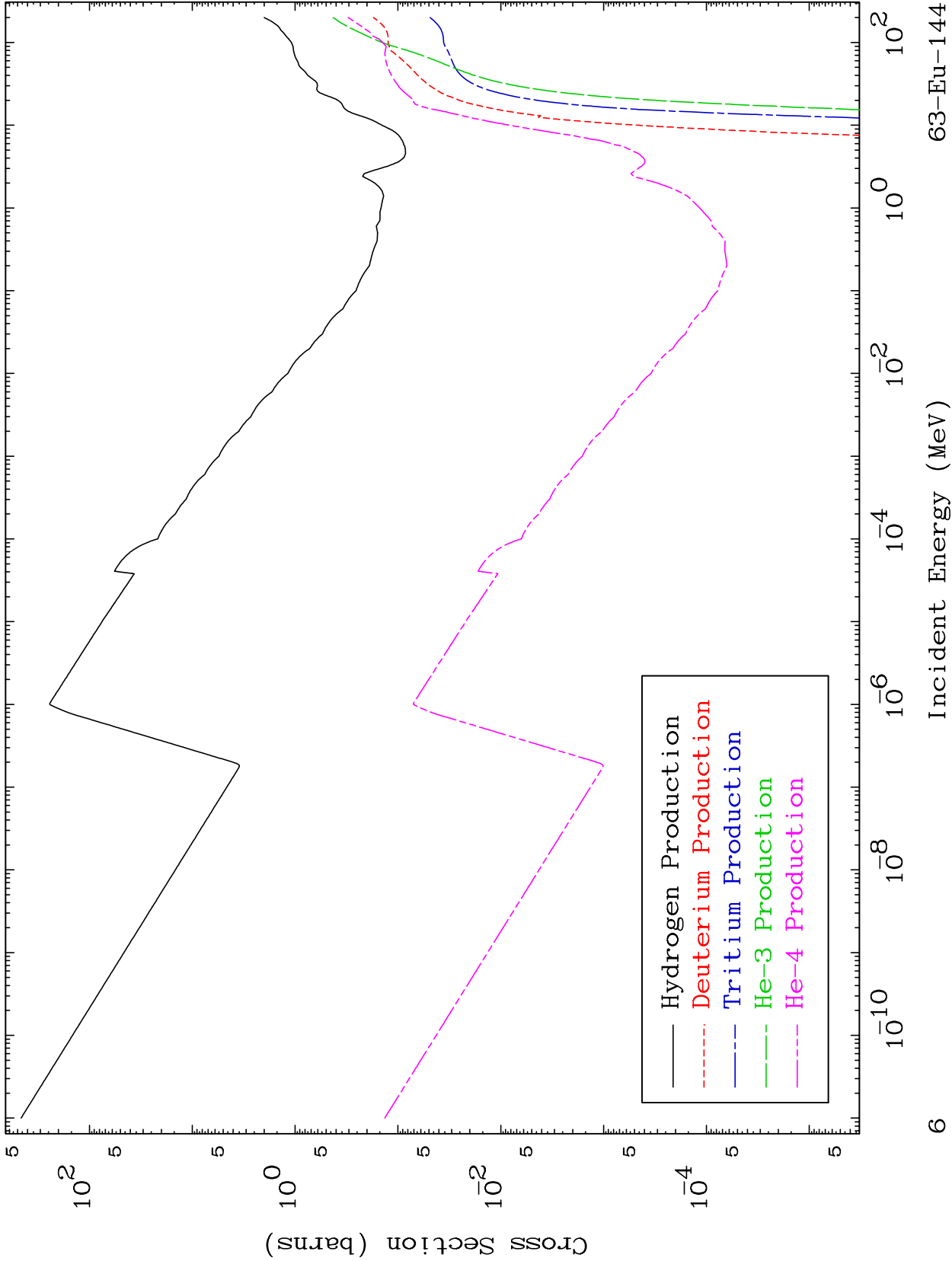


MAT 6304

Charged Particle
293 Kelvin Cross Sections

63-Eu-144



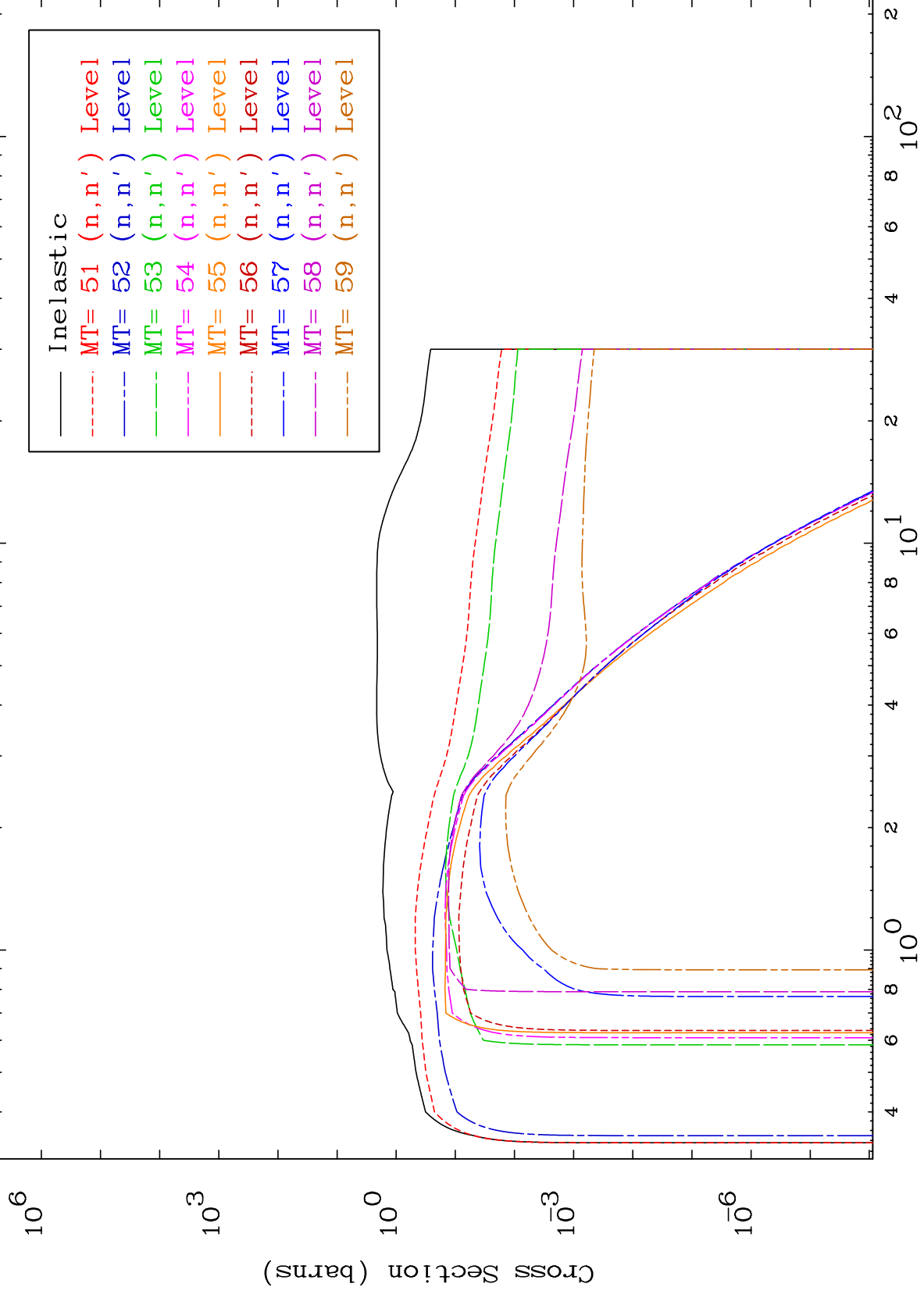


MAT 6304

(n,n') Level

63-Eu-144

293 Kelvin Cross Sections

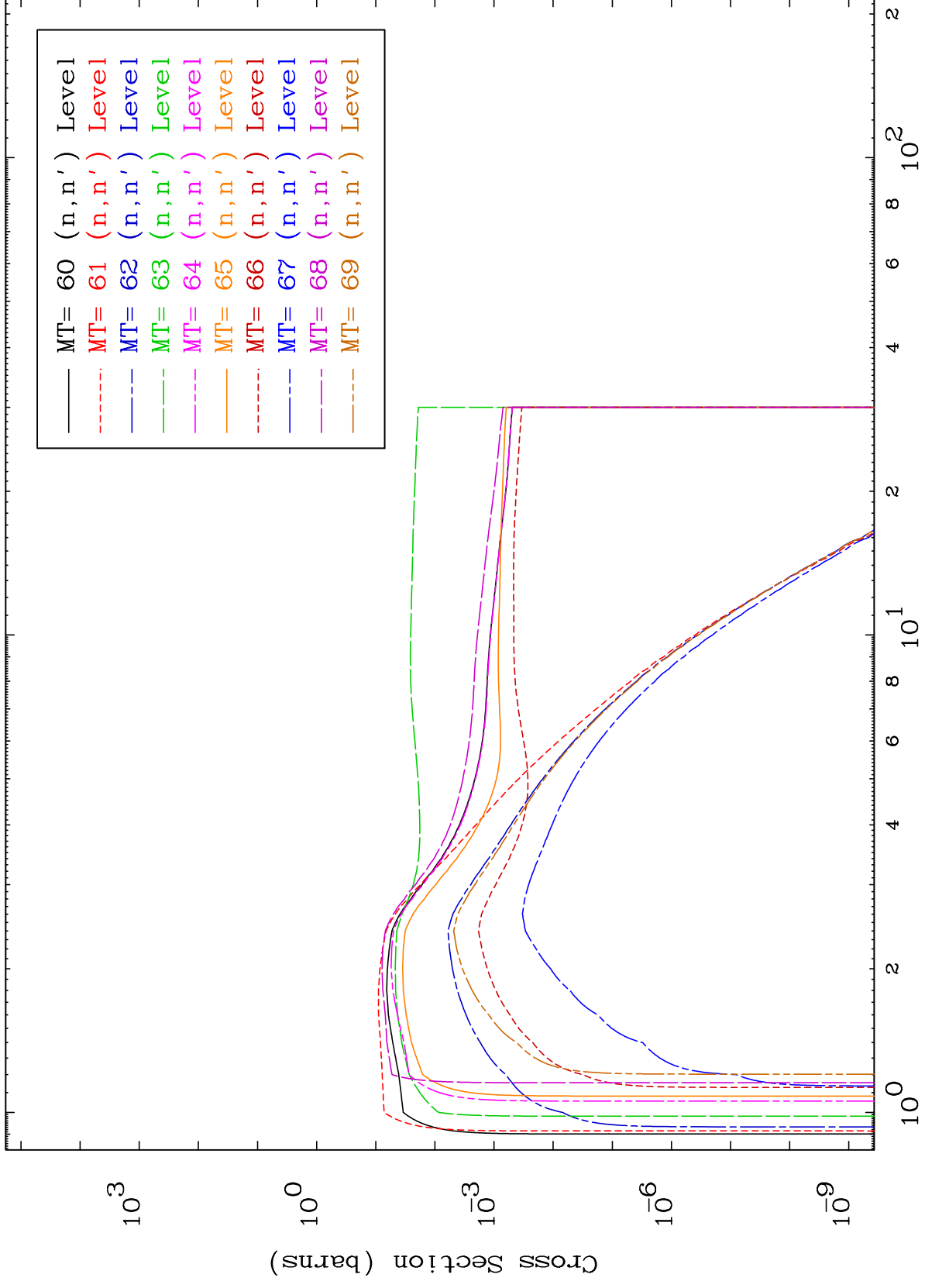


MAT 6304

(n,n') Level

63-Eu-144

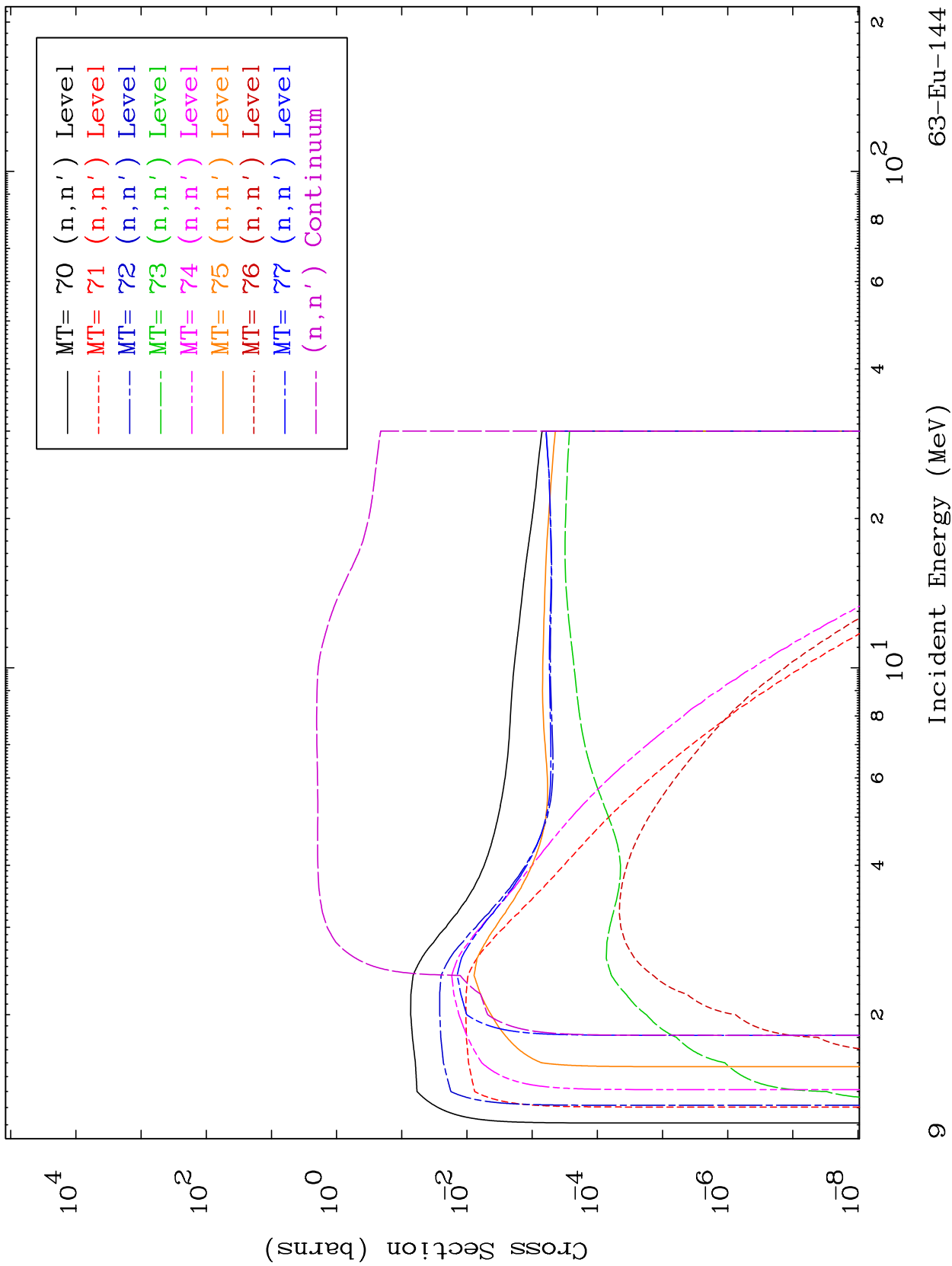
293 Kelvin Cross Sections



Incident Energy (MeV)

63-Eu-144

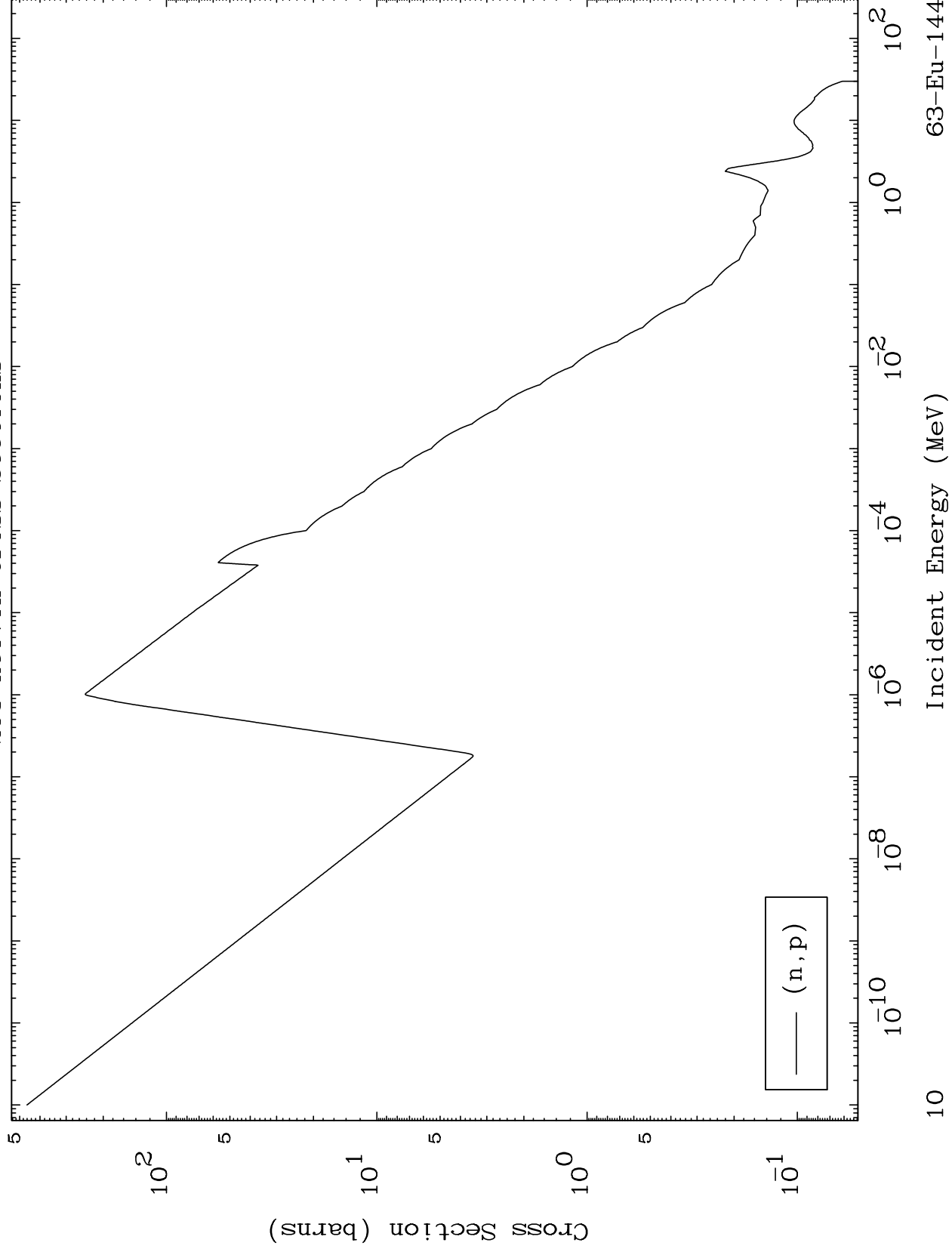
293 Kelvin Cross Sections



MAT 6304

(n,p) Levels
293 Kelvin Cross Sections

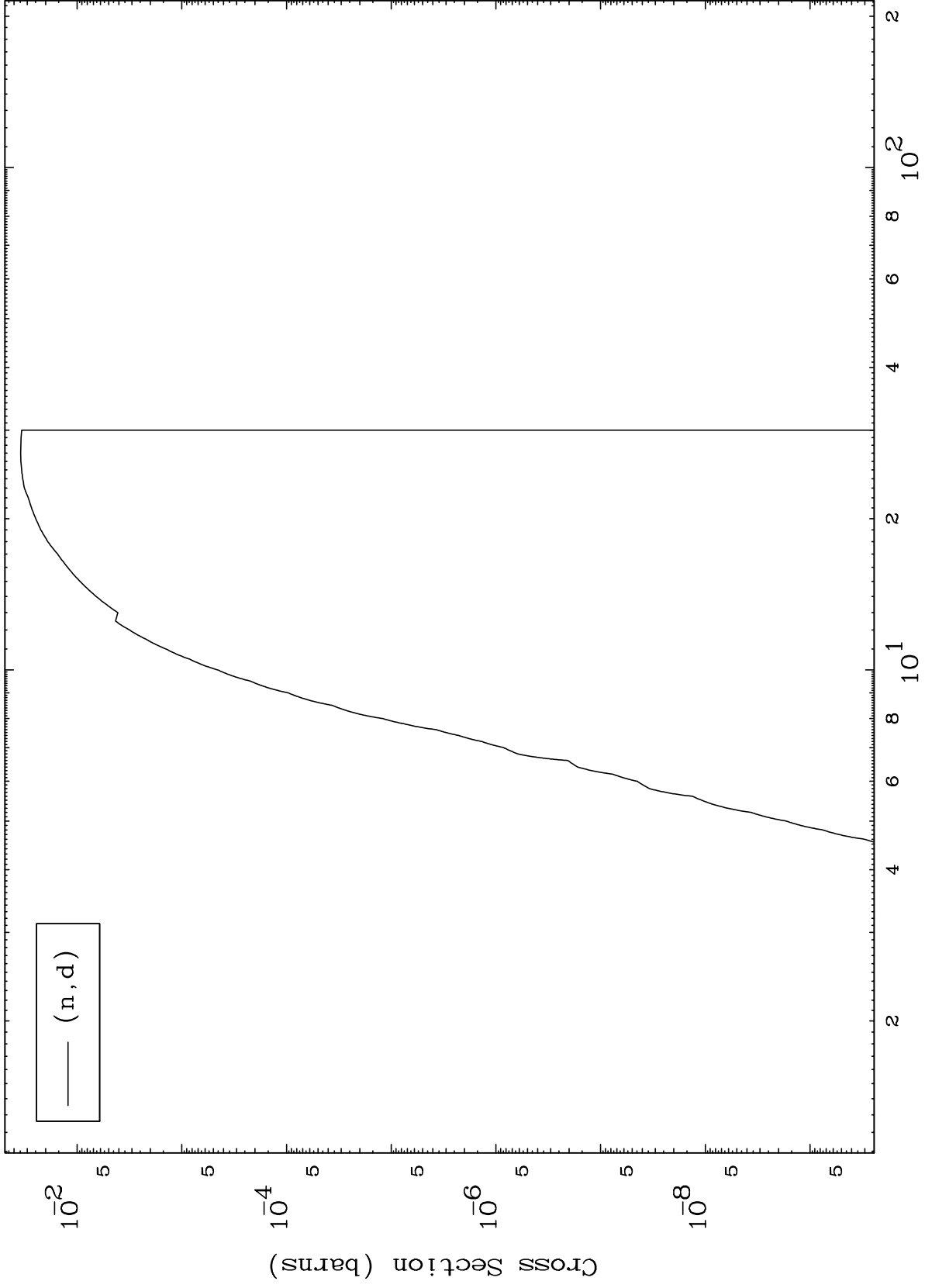
63-Eu-144



MAT 6304

(n,d) Levels
293 Kelvin Cross Sections

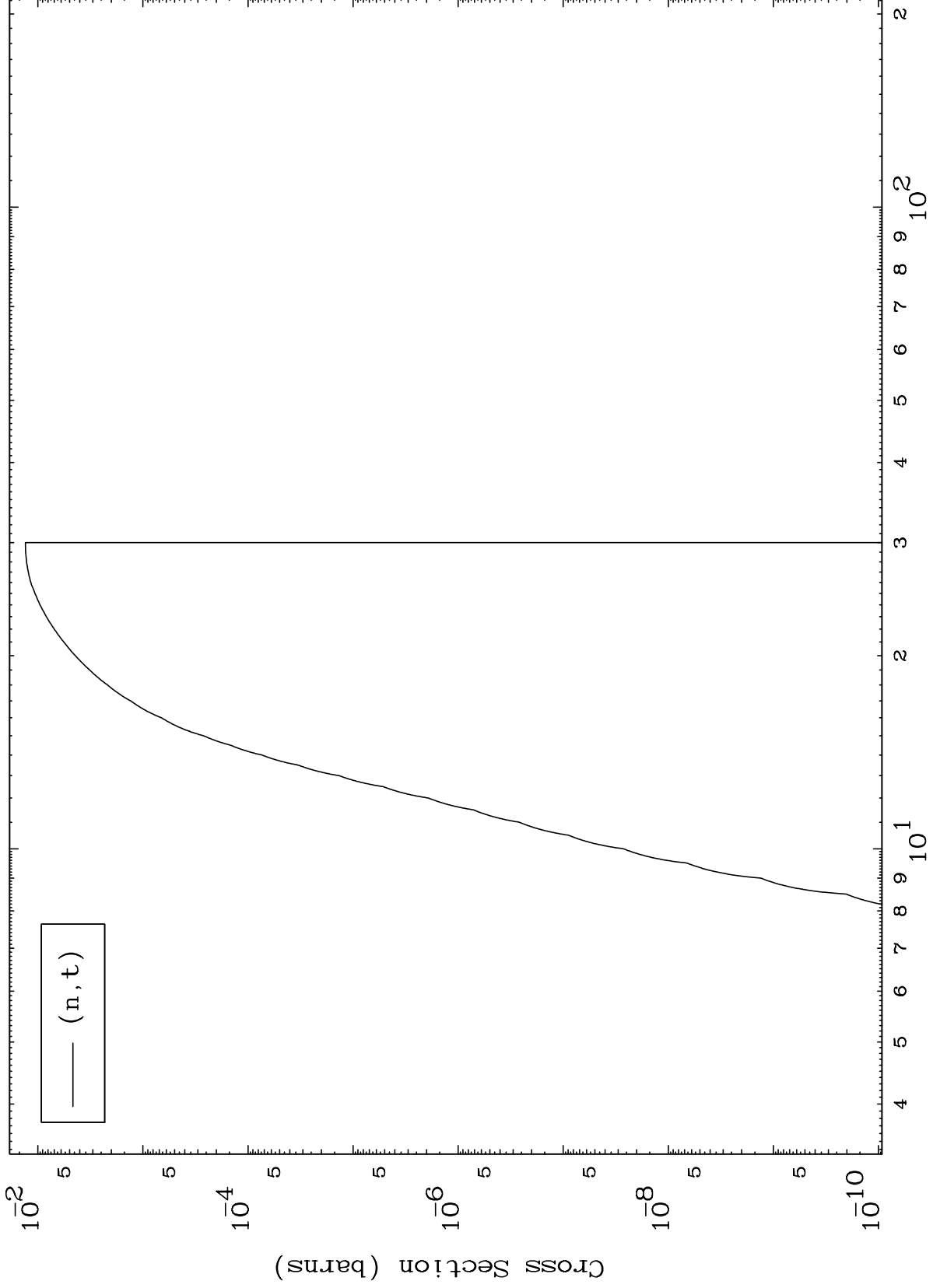
63-Eu-144



MAT 6304

(n,t) Levels
293 Kelvin Cross Sections

63-Eu-144



12

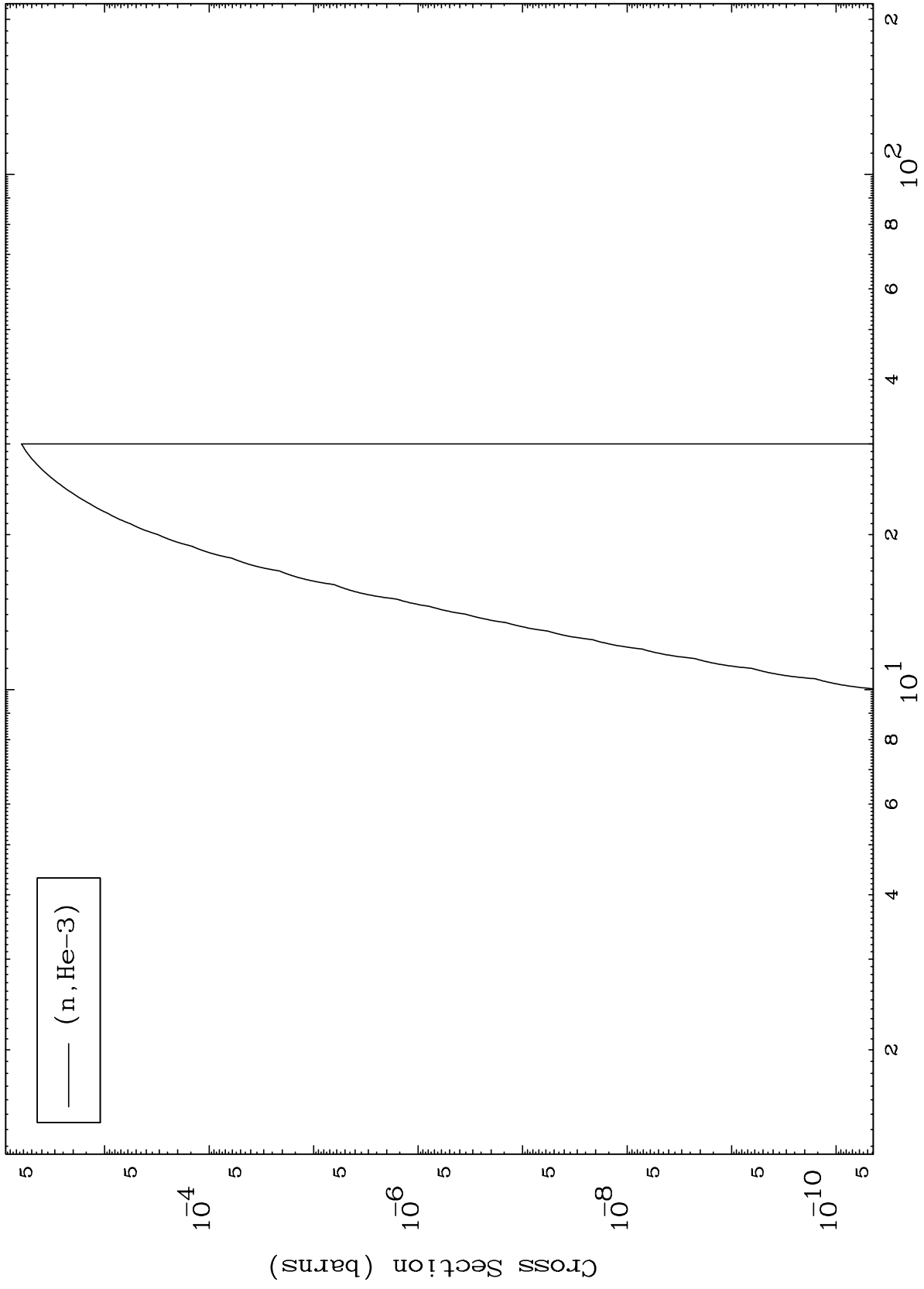
Incident Energy (MeV)

63-Eu-144

MAT 6304

(n,He3) Levels
293 Kelvin Cross Sections

63-Eu-144



13

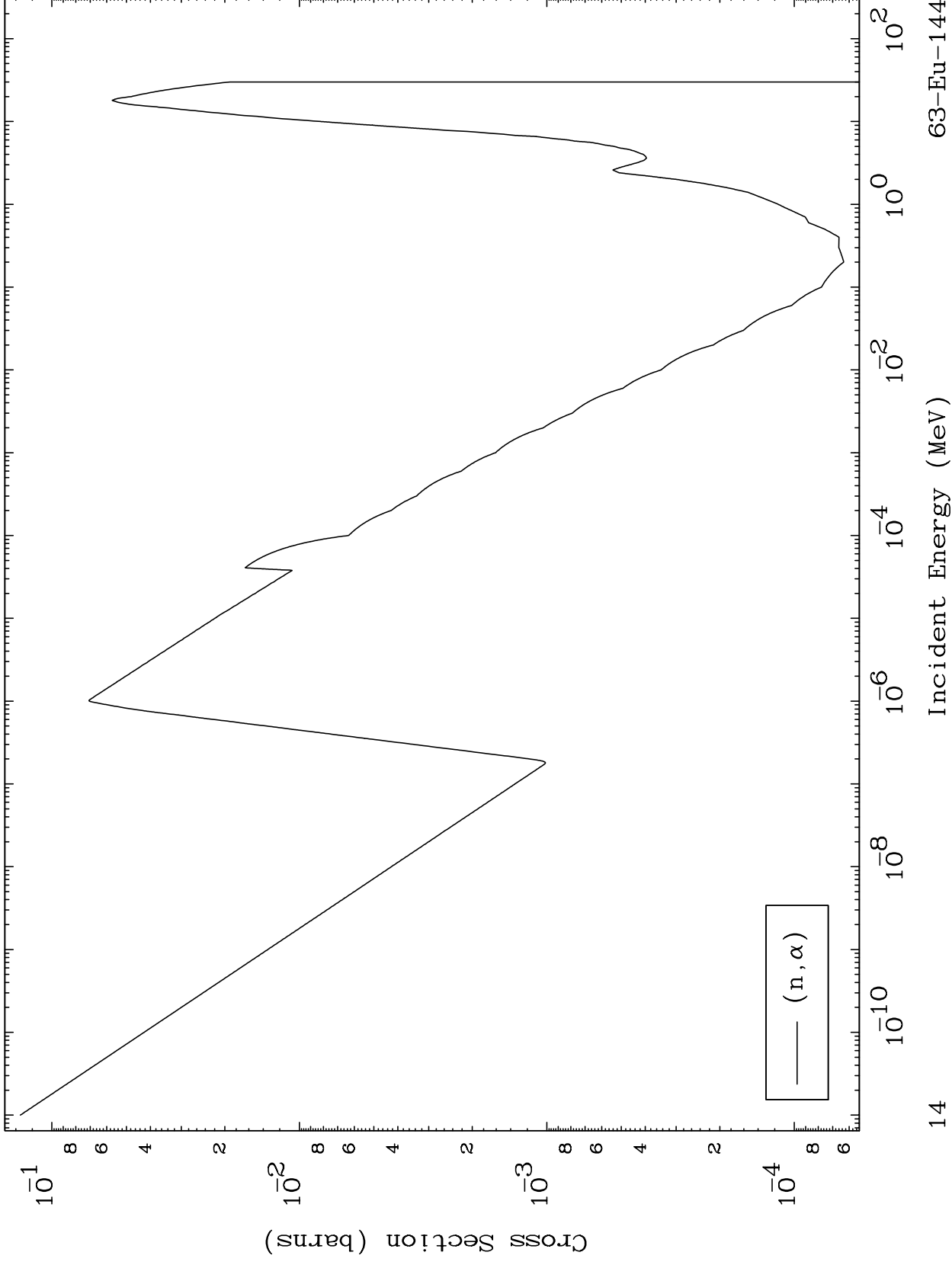
Incident Energy (MeV)

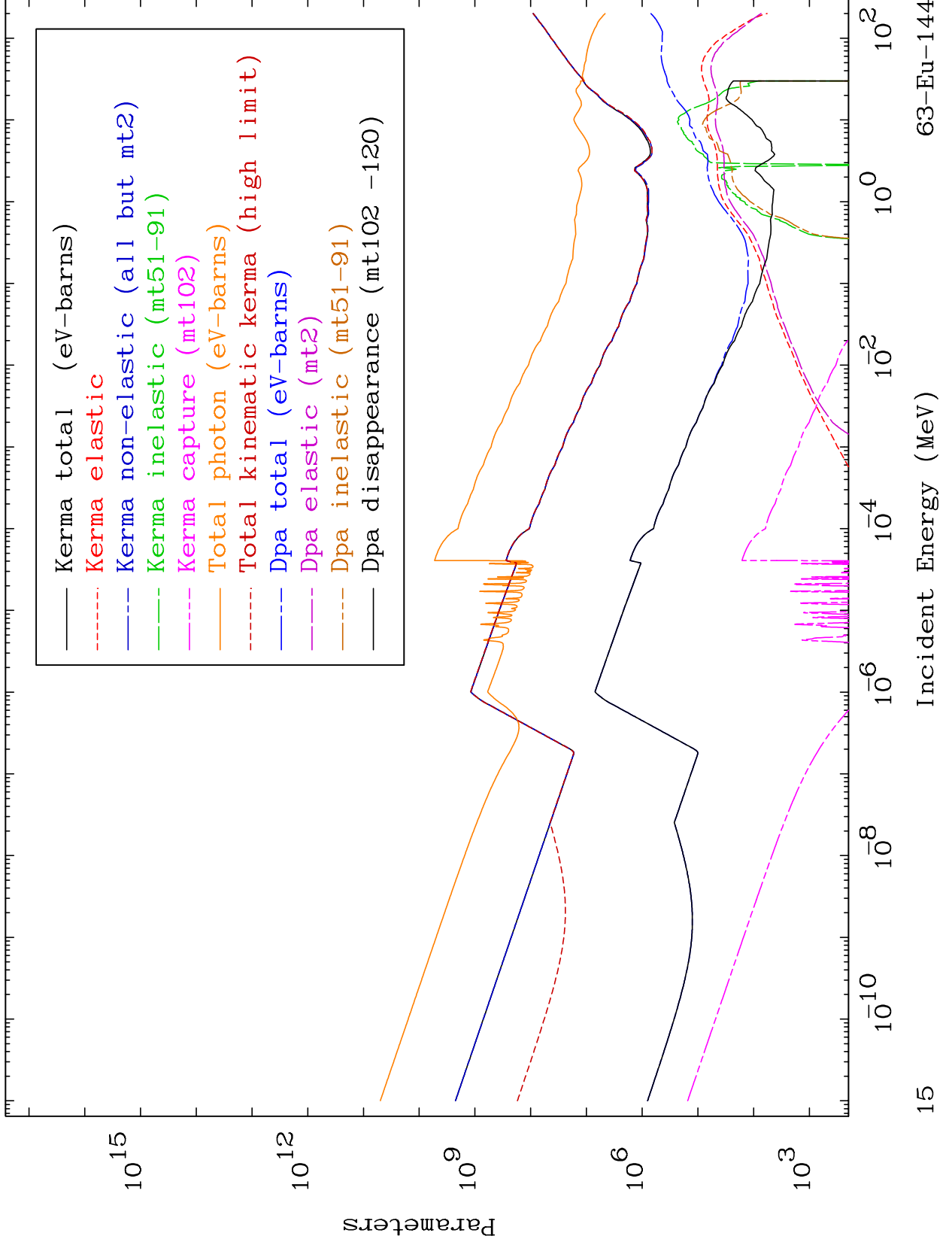
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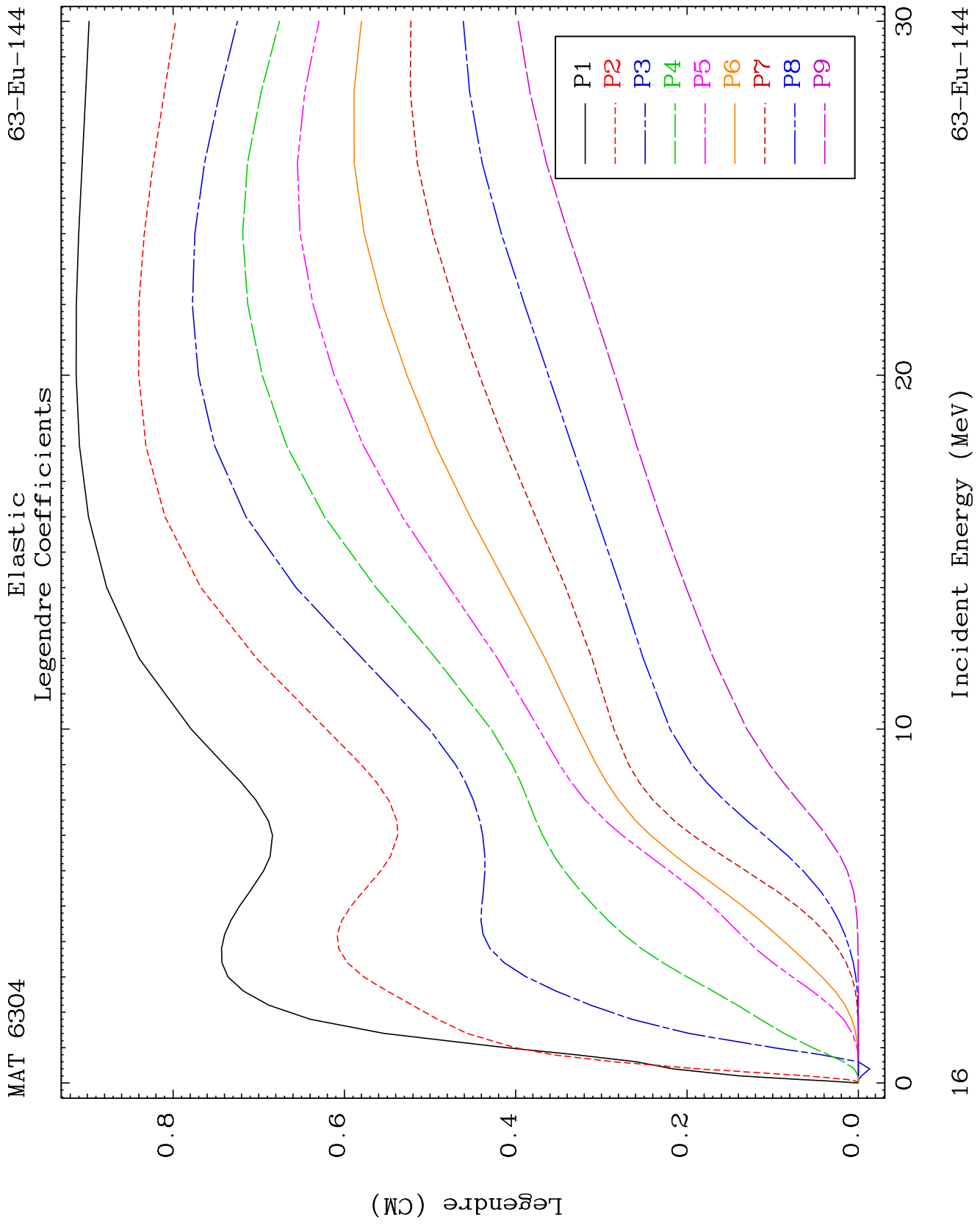
MAT 6304

(n, α) Levels
293 Kelvin Cross Sections

63-Eu-144



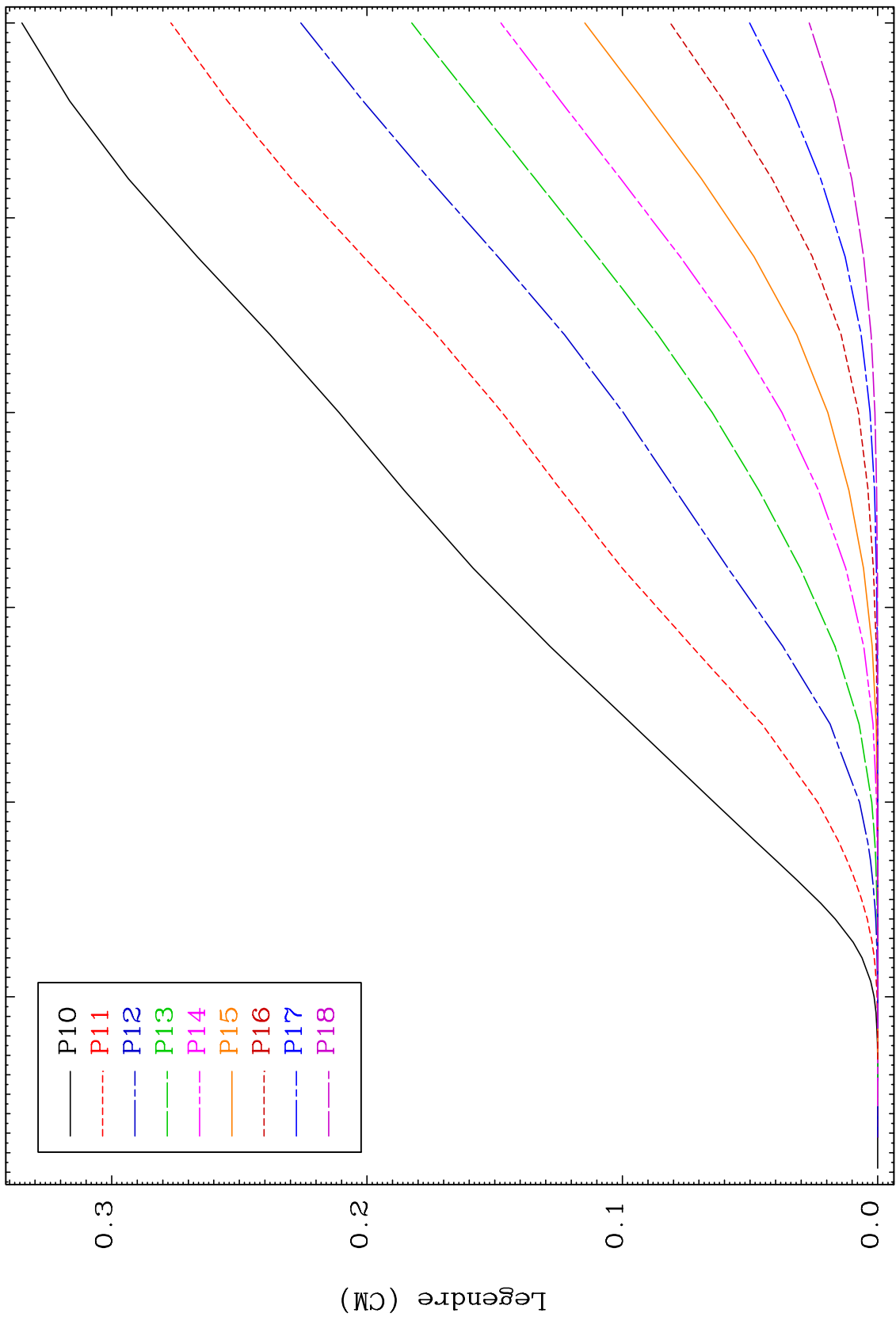




MAT 6304

Elastic
Legendre Coefficients

63-Eu-144



17

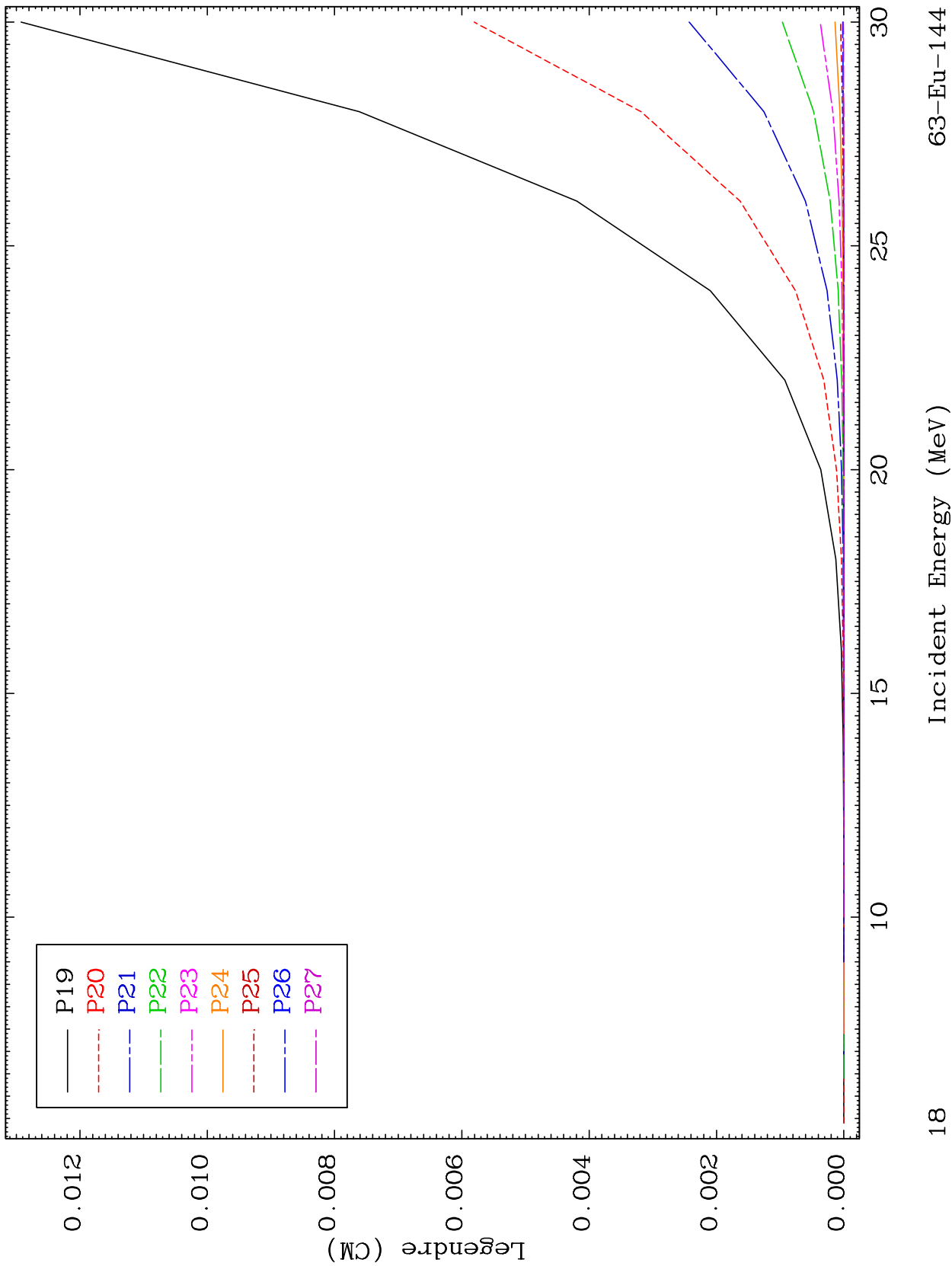
Incident Energy (MeV)

63-Eu-144

MAT 6304

Elastic Legendre Coefficients

63-Eu-144



18

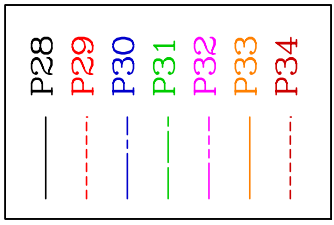
Incident Energy (MeV)

63-Eu-144

MAT 6304

Elastic Legendre Coefficients

63-Eu-144



$\times 10^{-6}$

1.5

Legendre (CM)

1.0

0.5

0.0

15

20

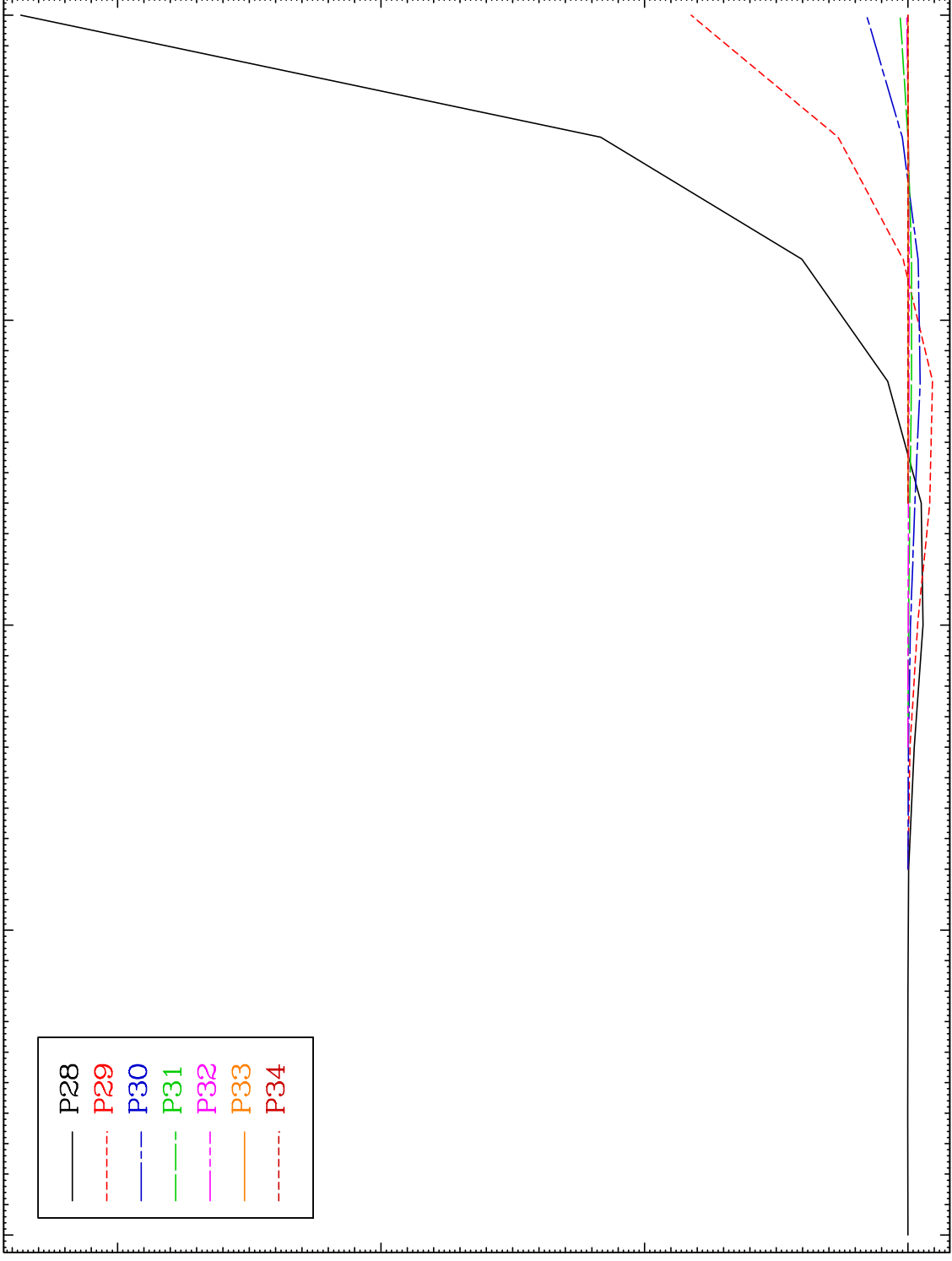
25

30

19

Incident Energy (MeV)

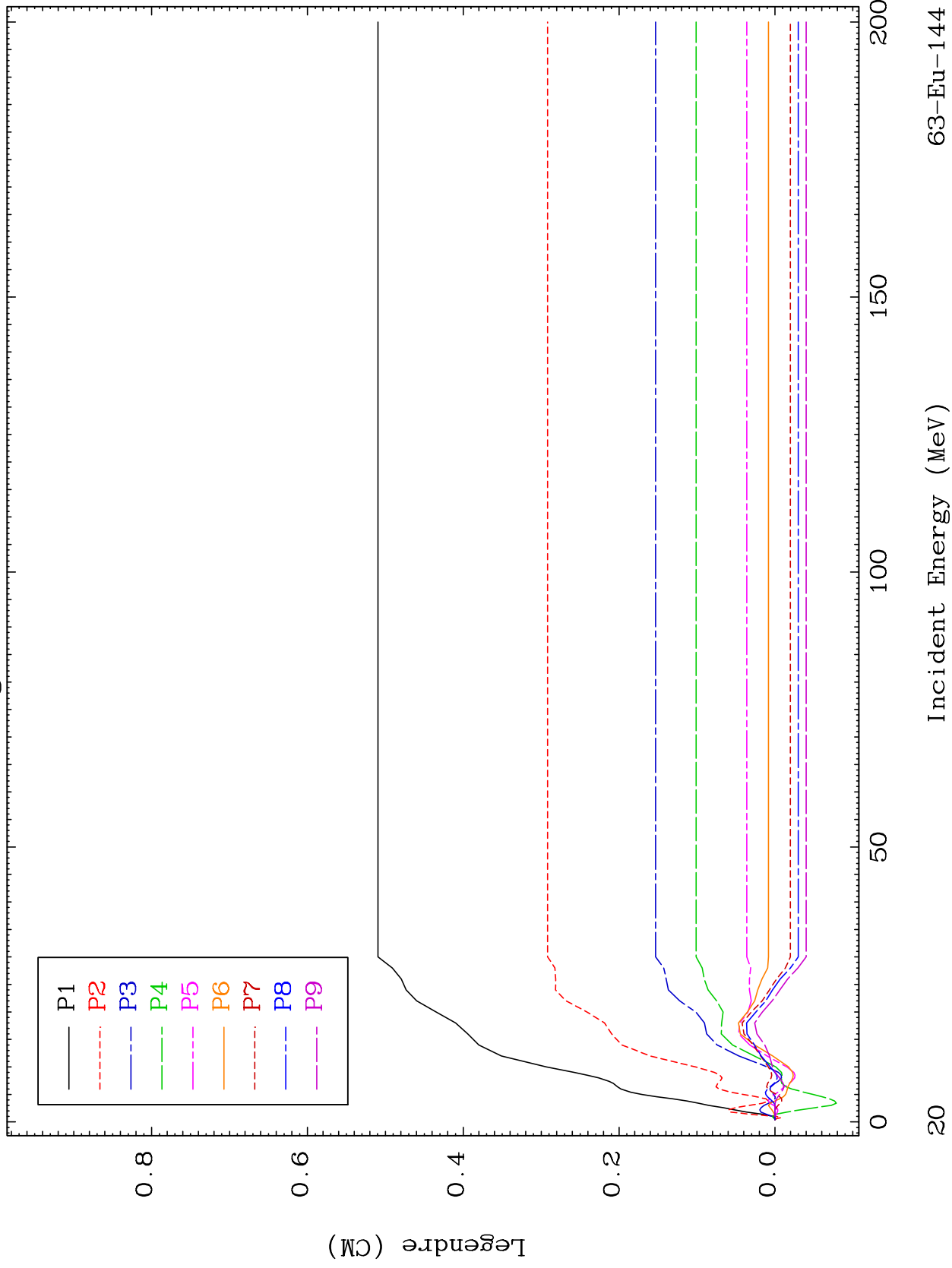
63-Eu-144



MAT 6304

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

63-Eu-144



63-Eu-144

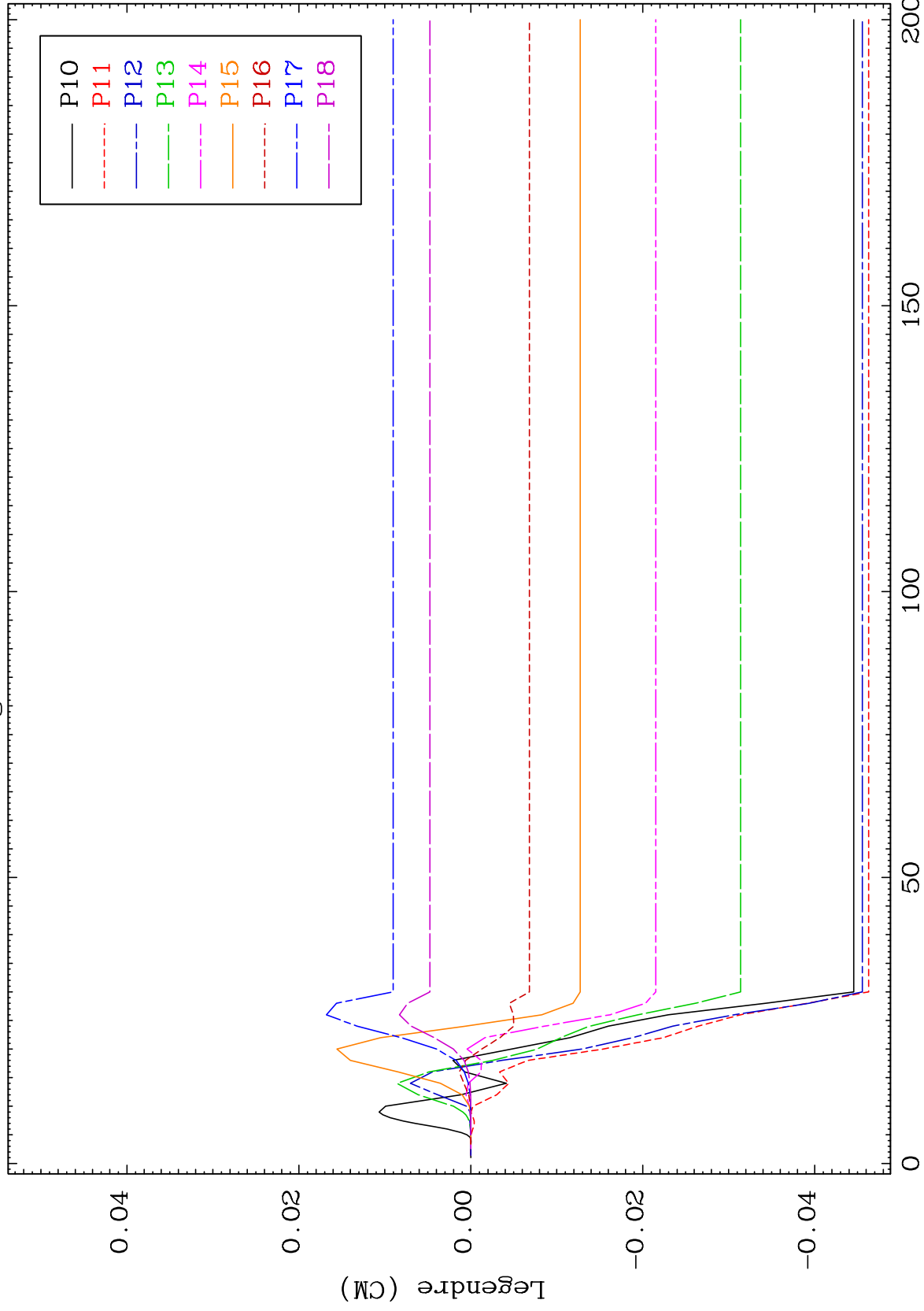
Incident Energy (MeV)

0

MAT 6304

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

63-Eu-144



21

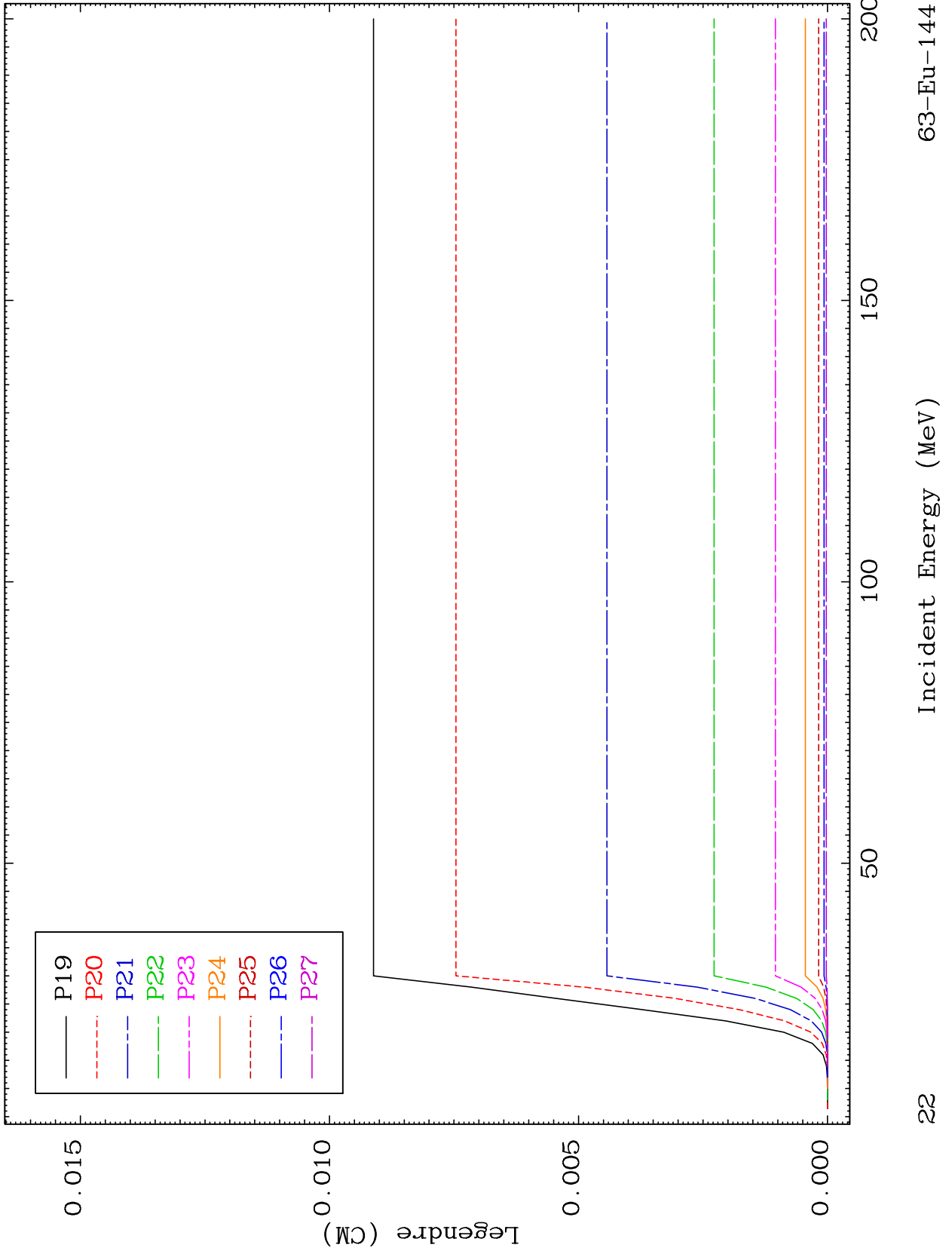
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



22

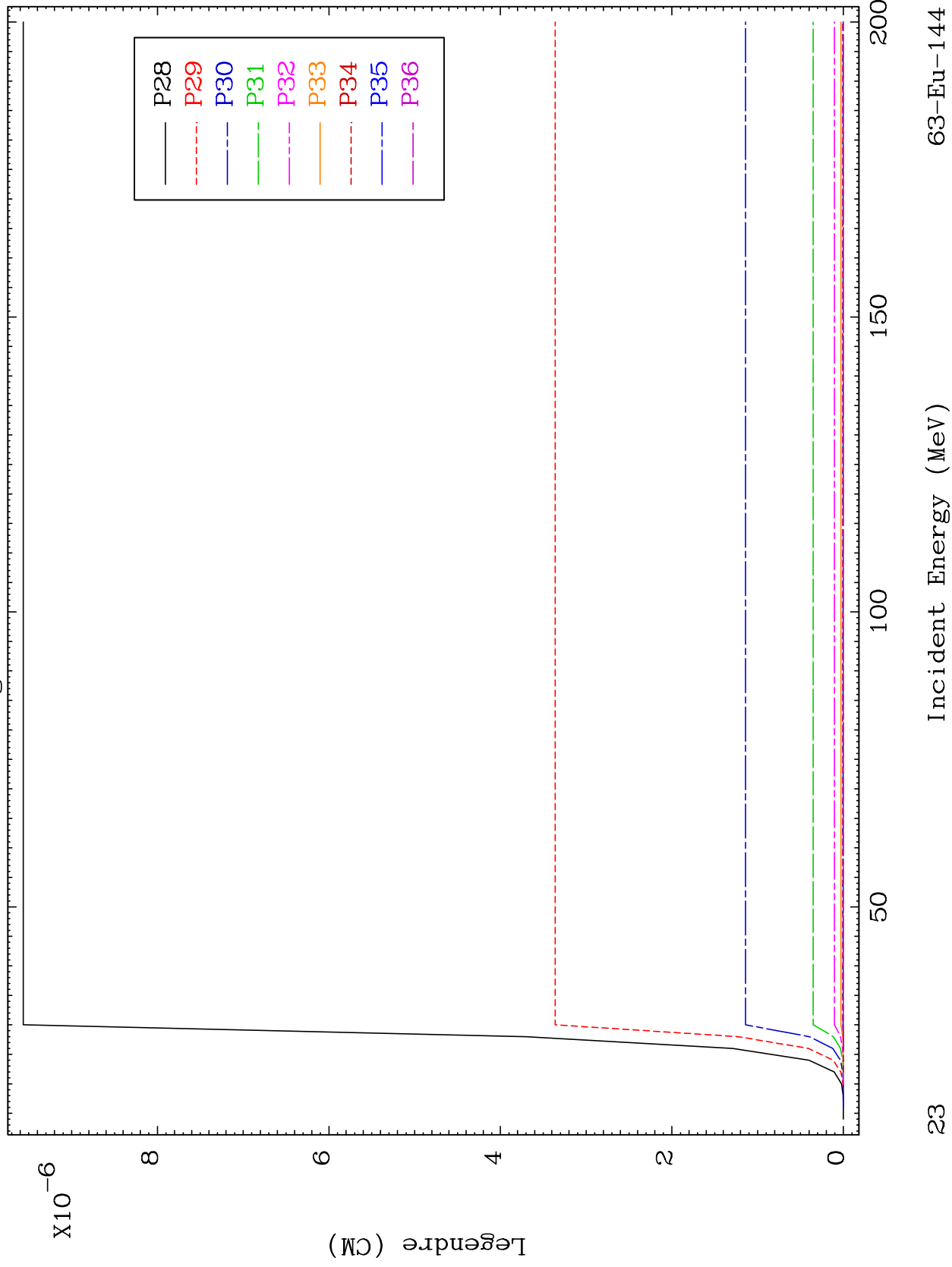
Incident Energy (MeV)

63-Eu-144

MAT 6304

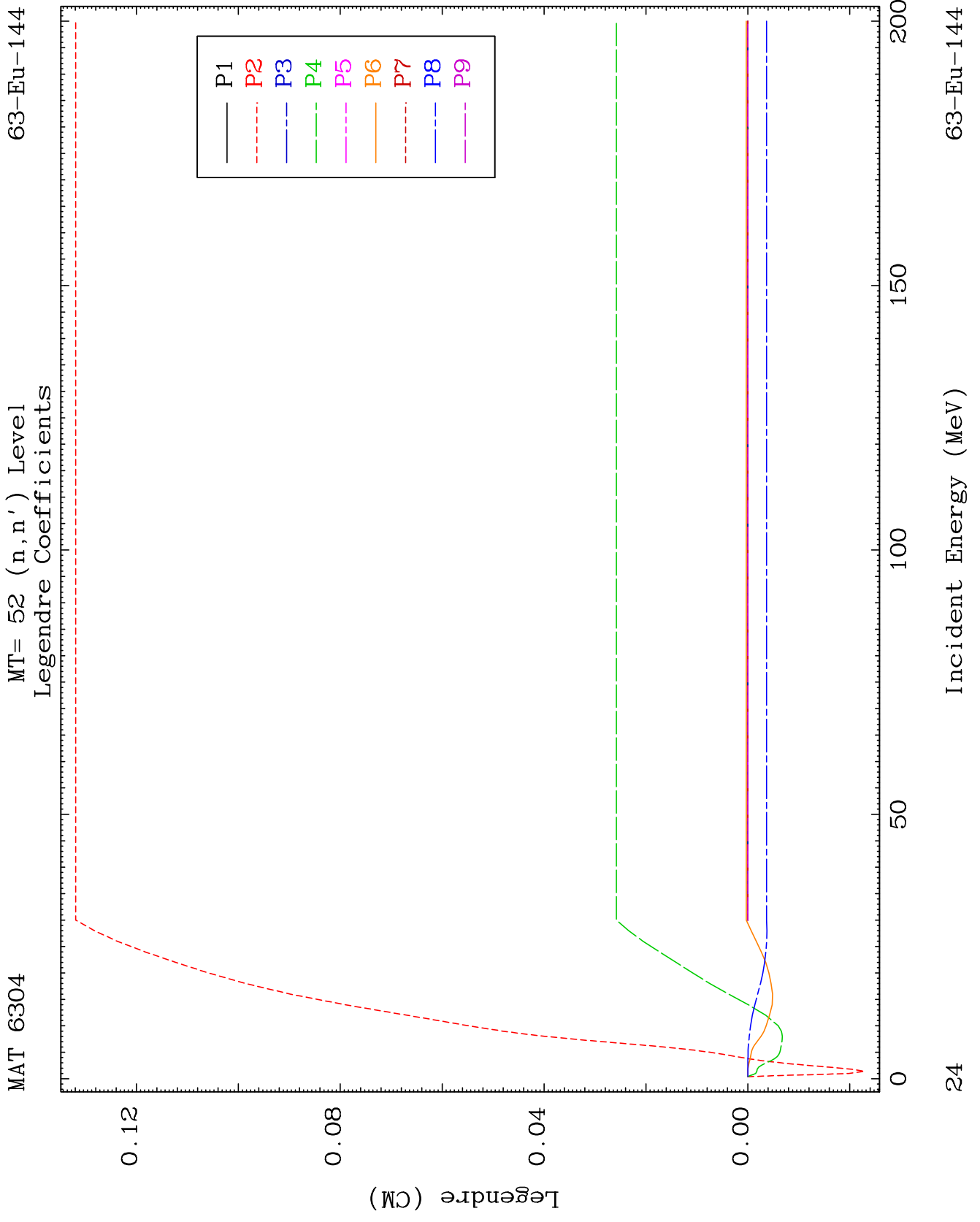
MT= 51 (n,n') Level
Legendre Coefficients

63-Eu-144



23

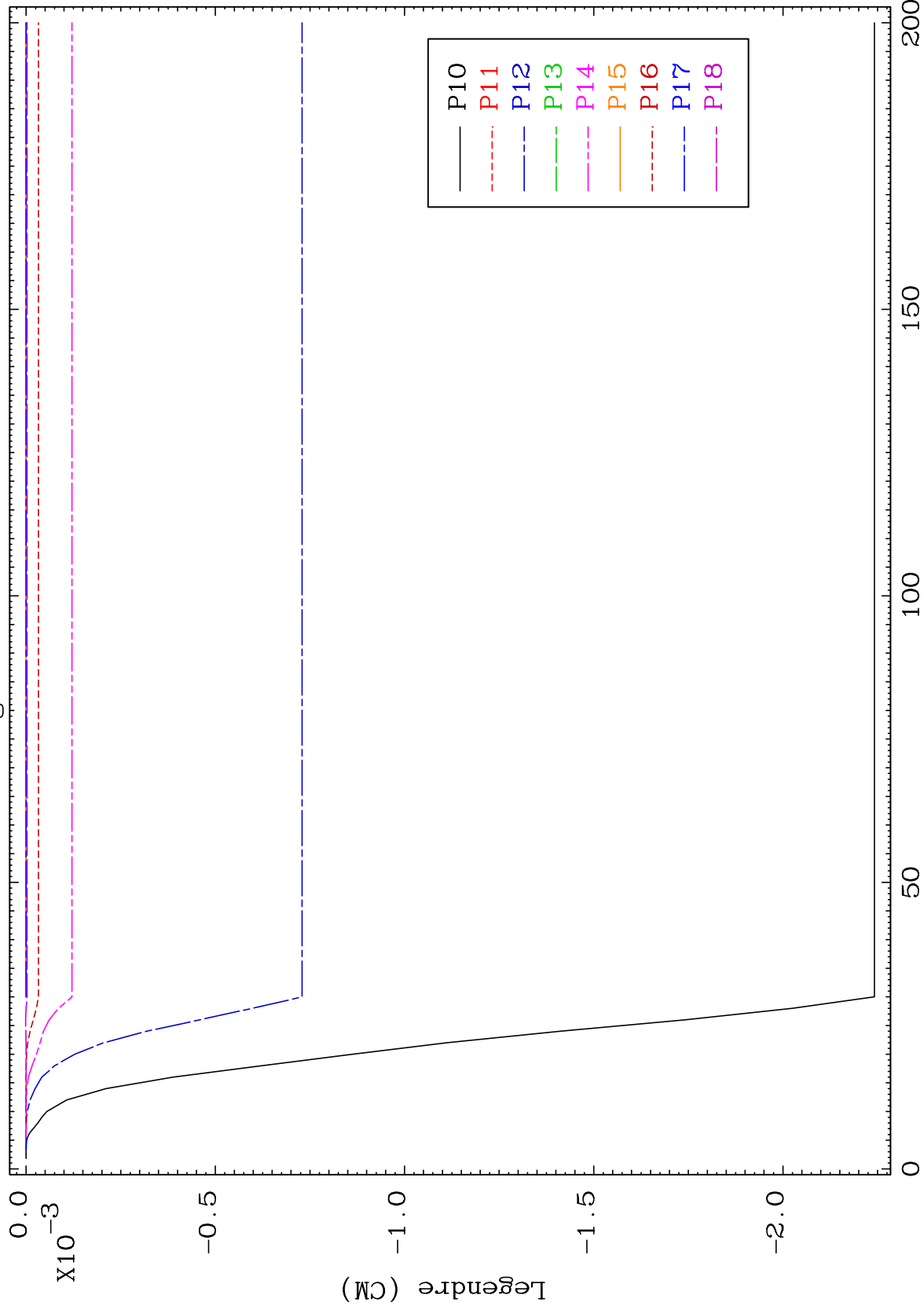
63-Eu-144



MAT 6304

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

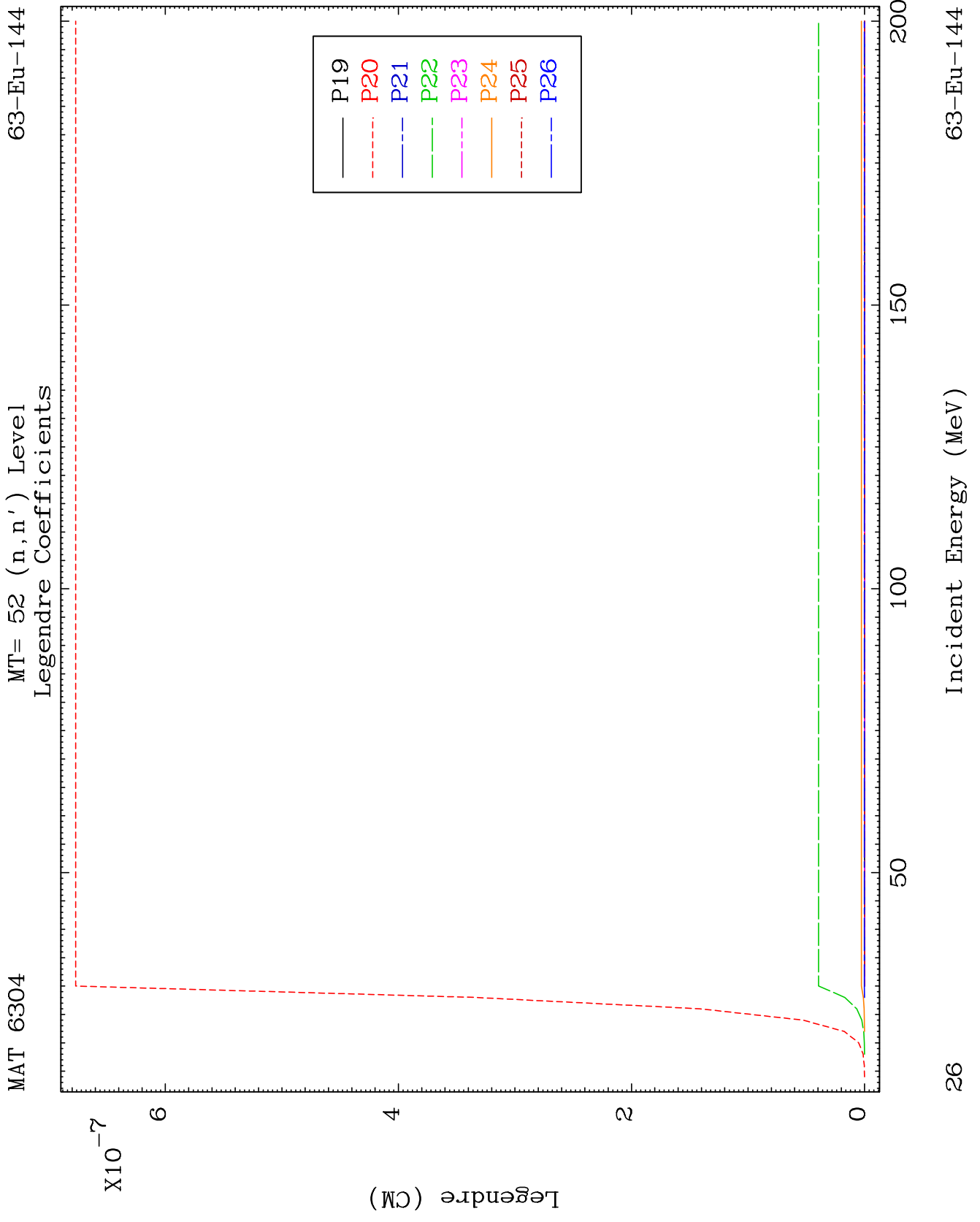
63-Eu-144



25

Incident Energy (MeV)

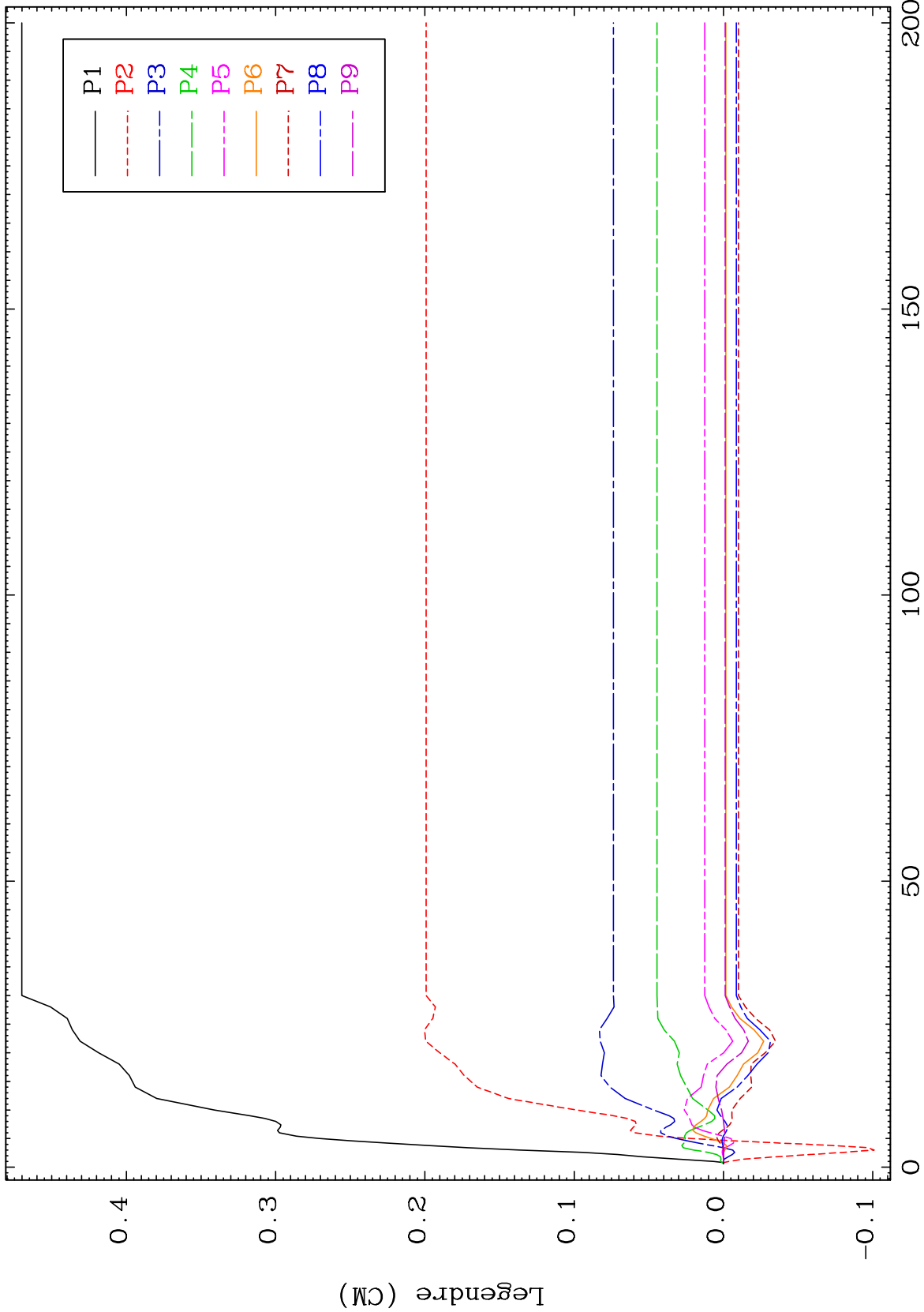
63-Eu-144



MAT 6304

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

63-Eu-144



63-Eu-144

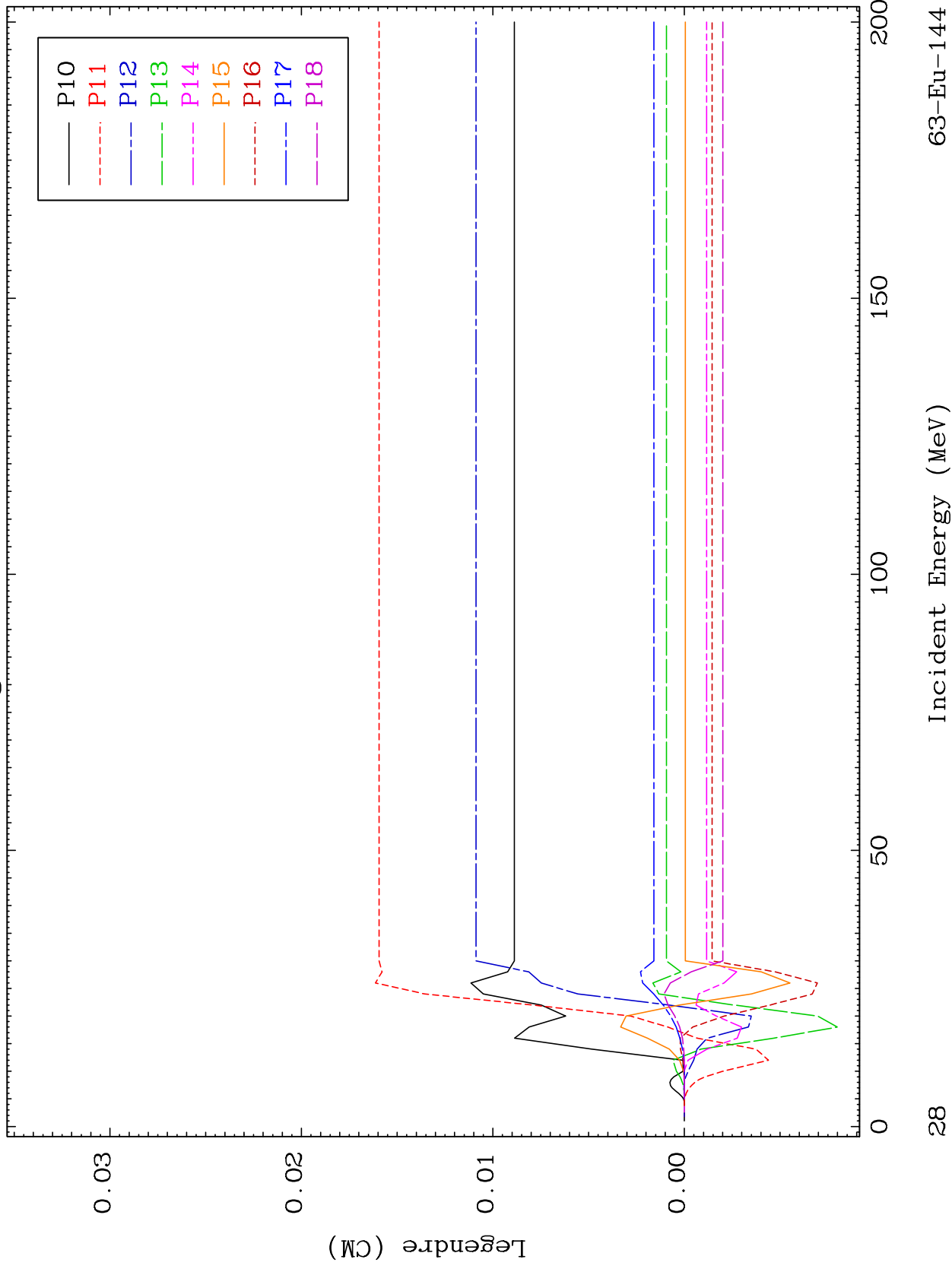
Incident Energy (MeV)

27

MAT 6304

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

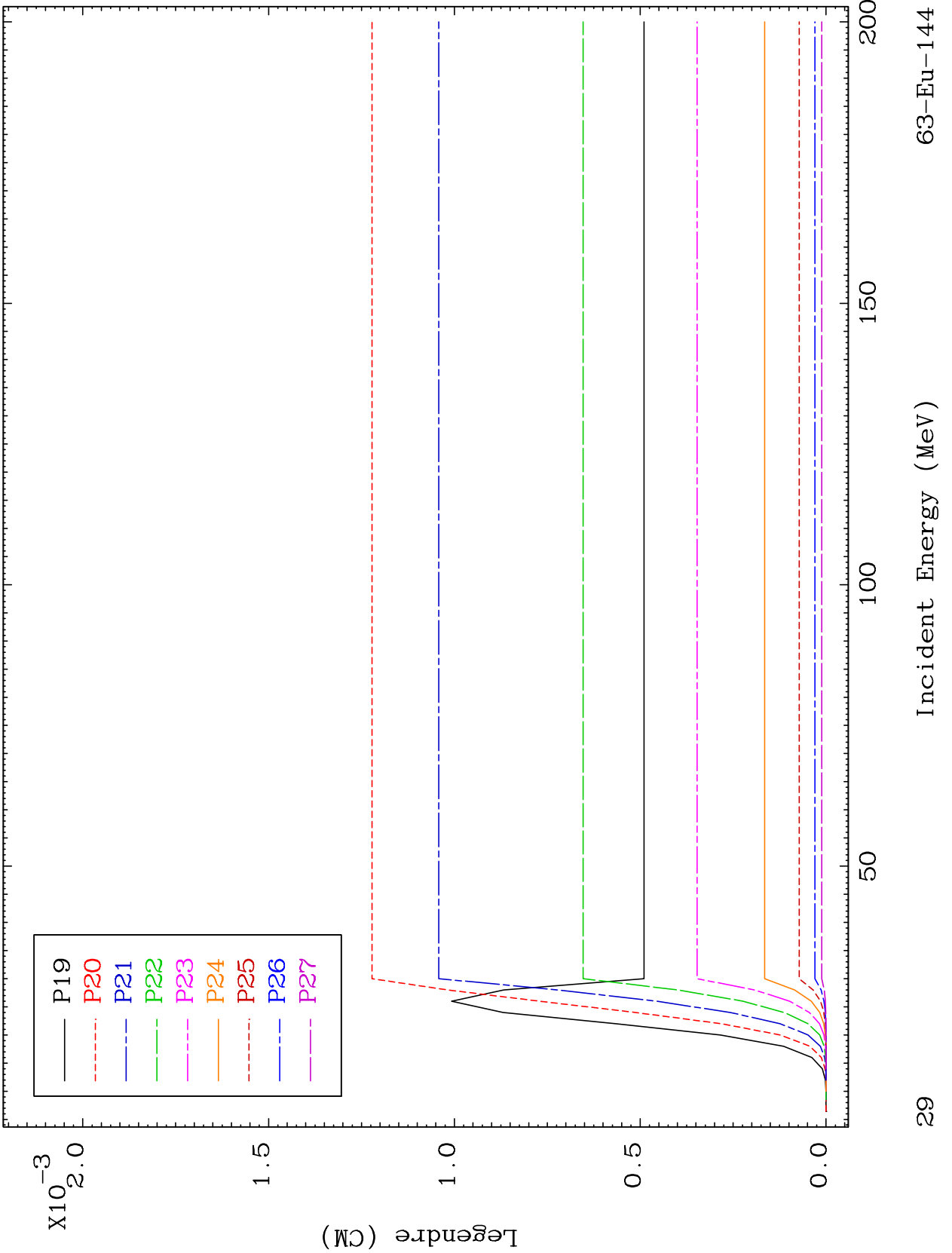
63-Eu-144



63-Eu-144

Incident Energy (MeV)

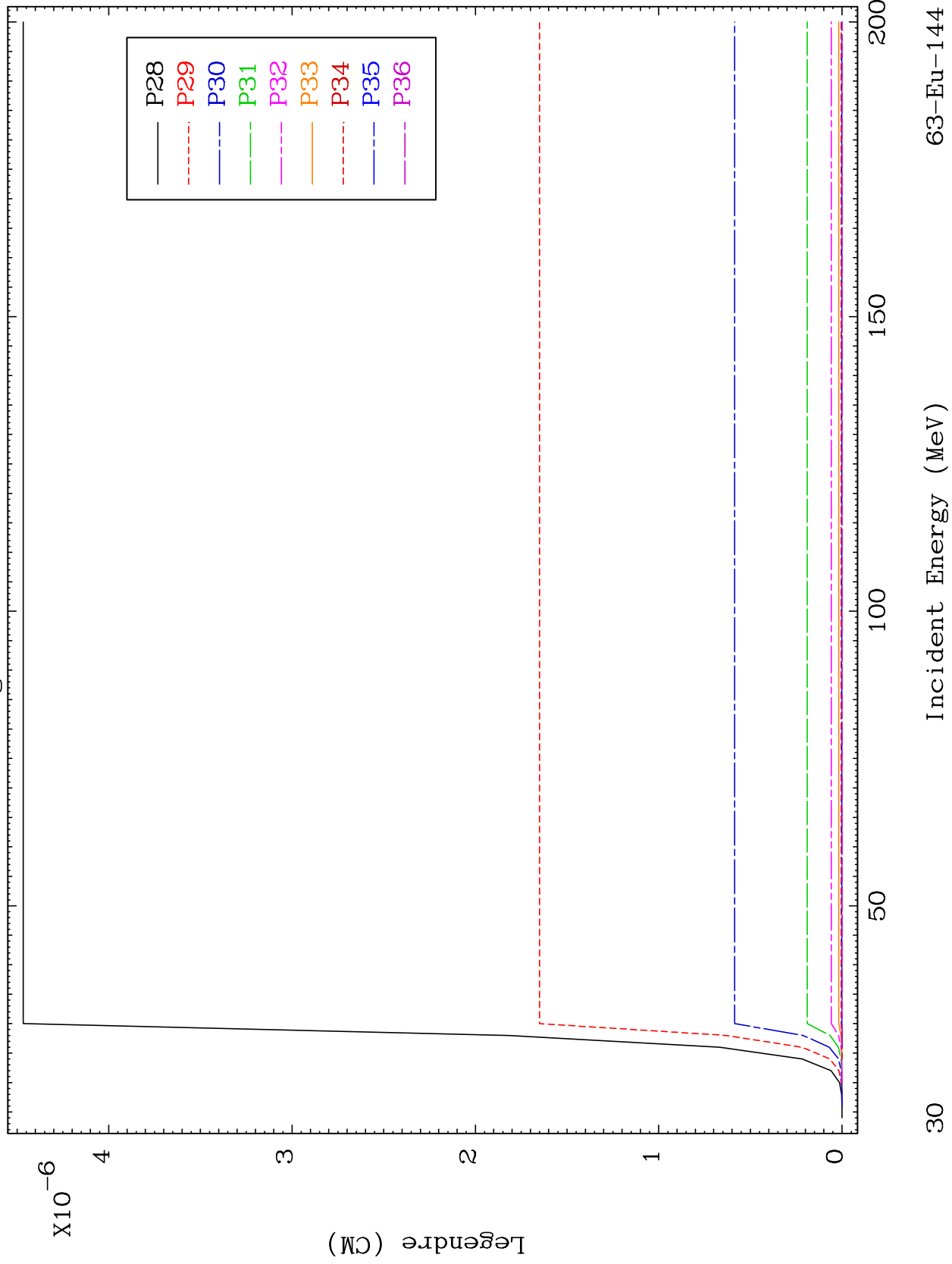
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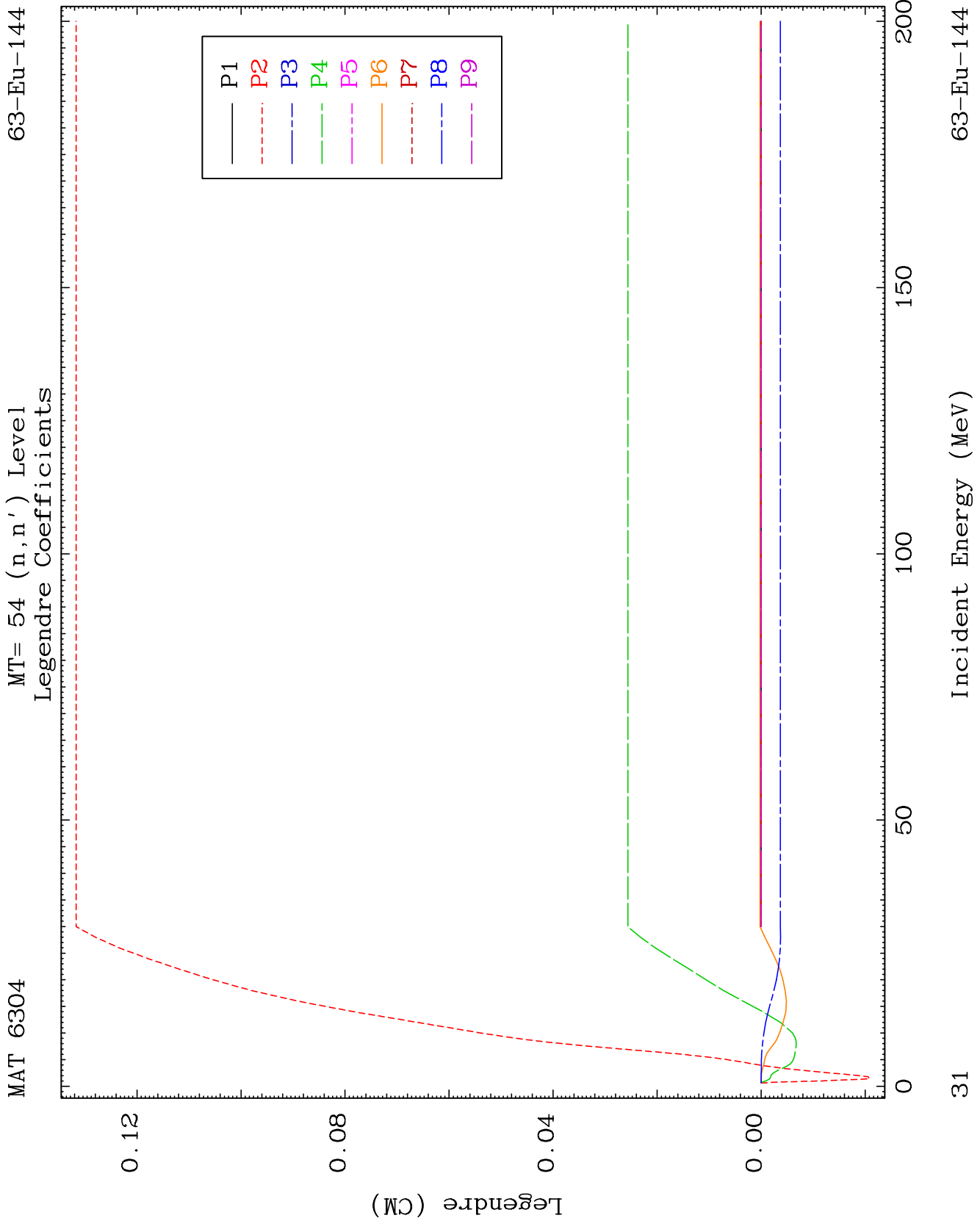


MAT 6304

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

63-Eu-144



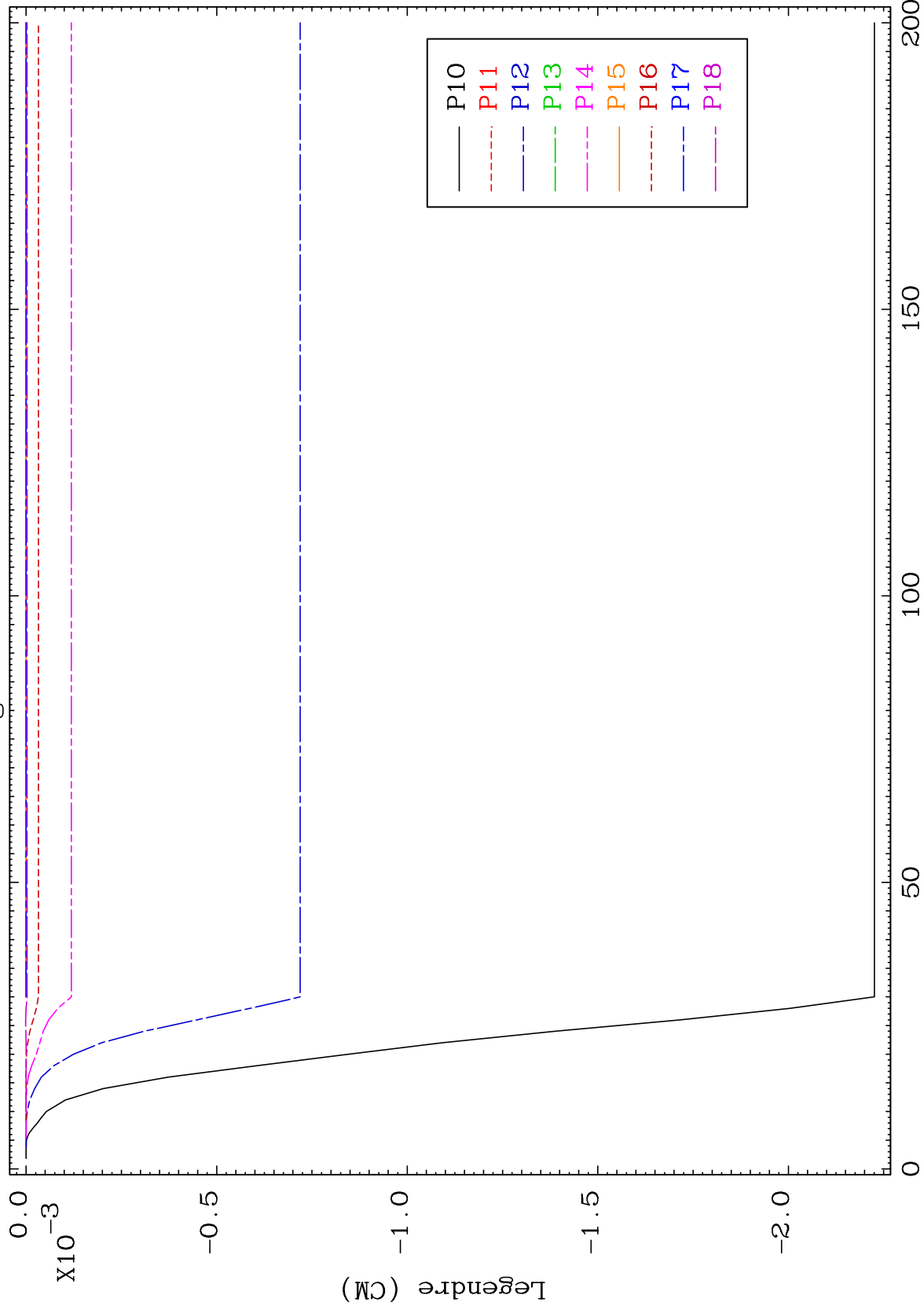


MAT 6304

MT= 54 (n,n') Level

63-Eu-144

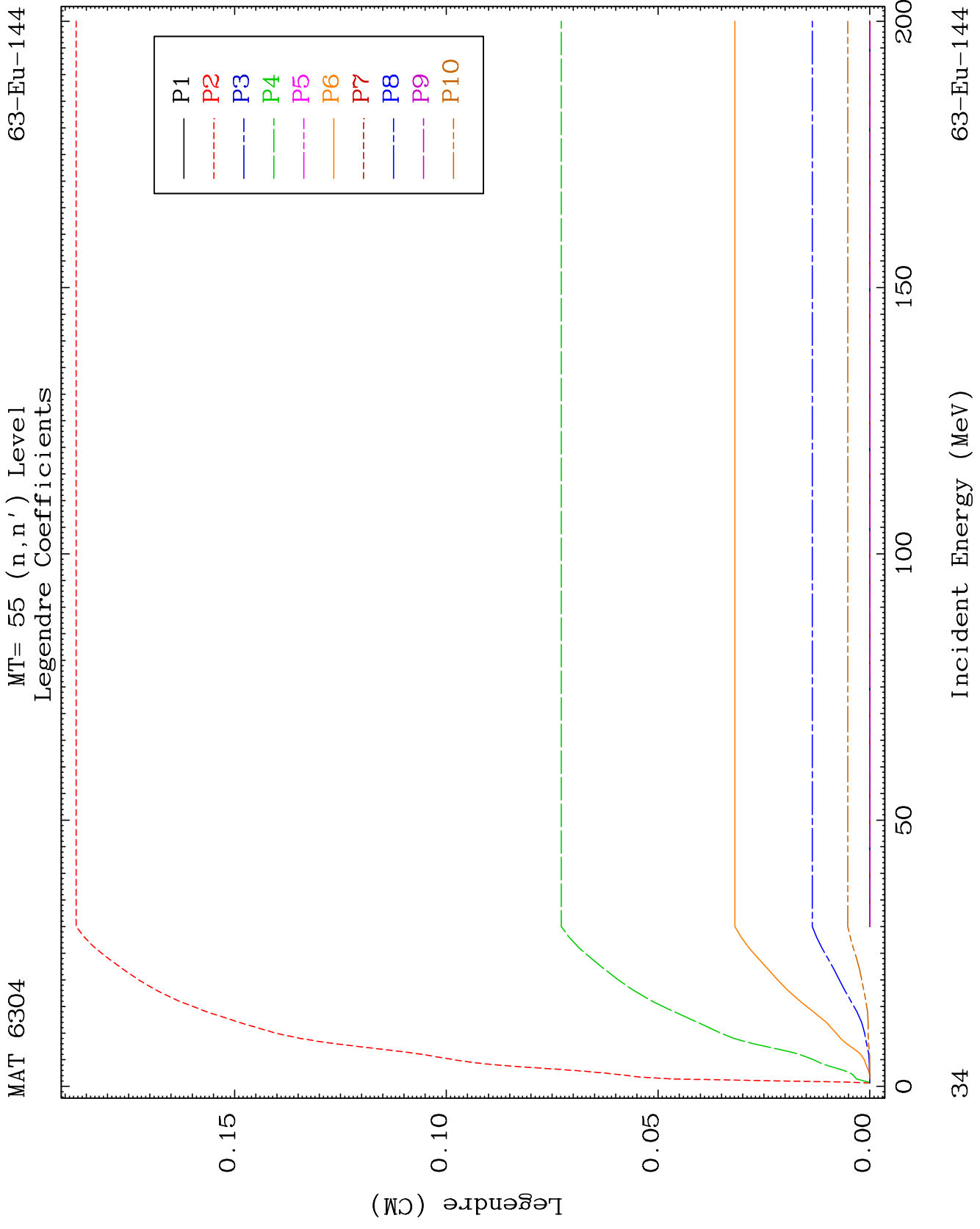
Legendre Coefficients



32

Incident Energy (MeV)

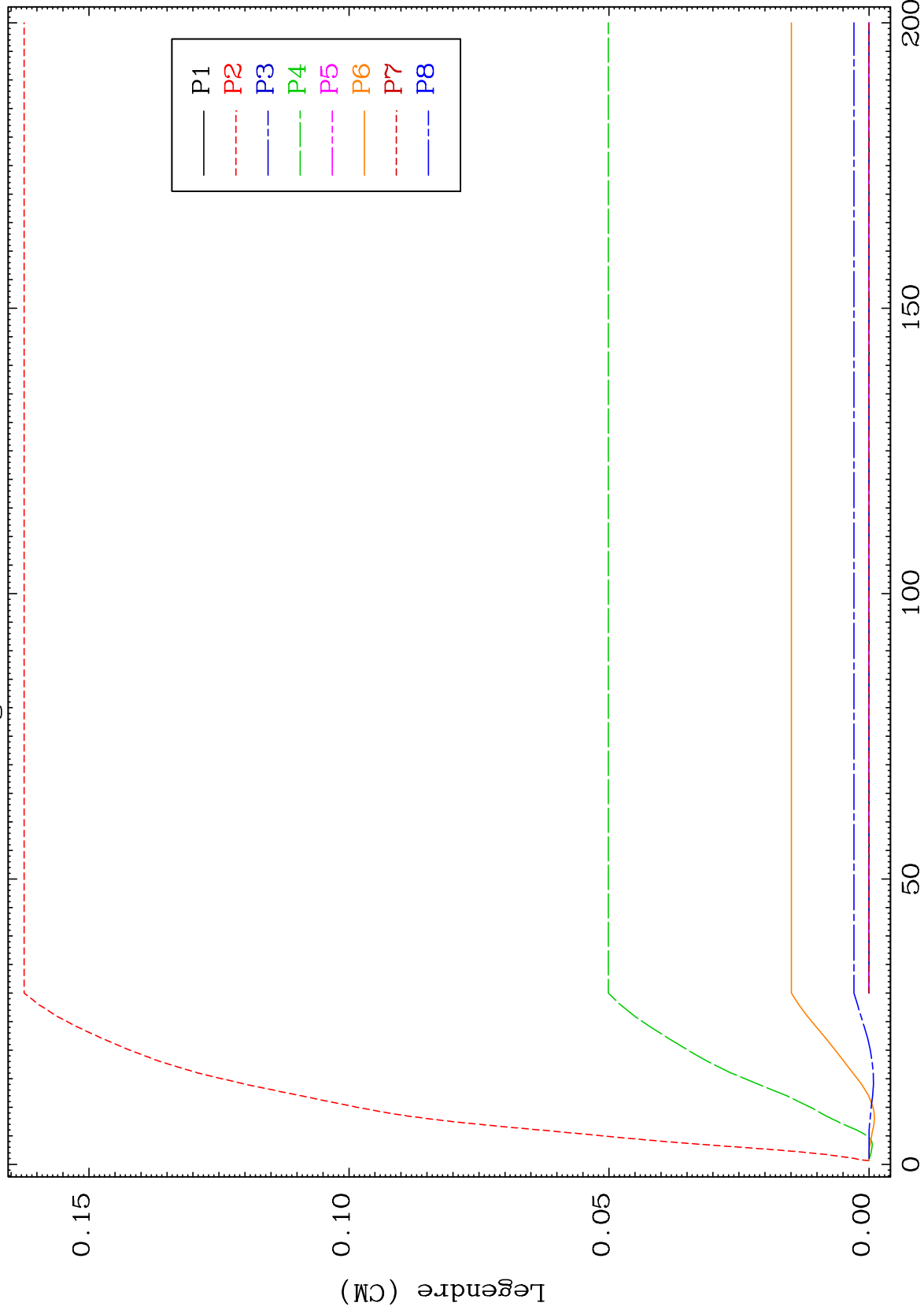
63-Eu-144



MAT 6304

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

63-Eu-144



37

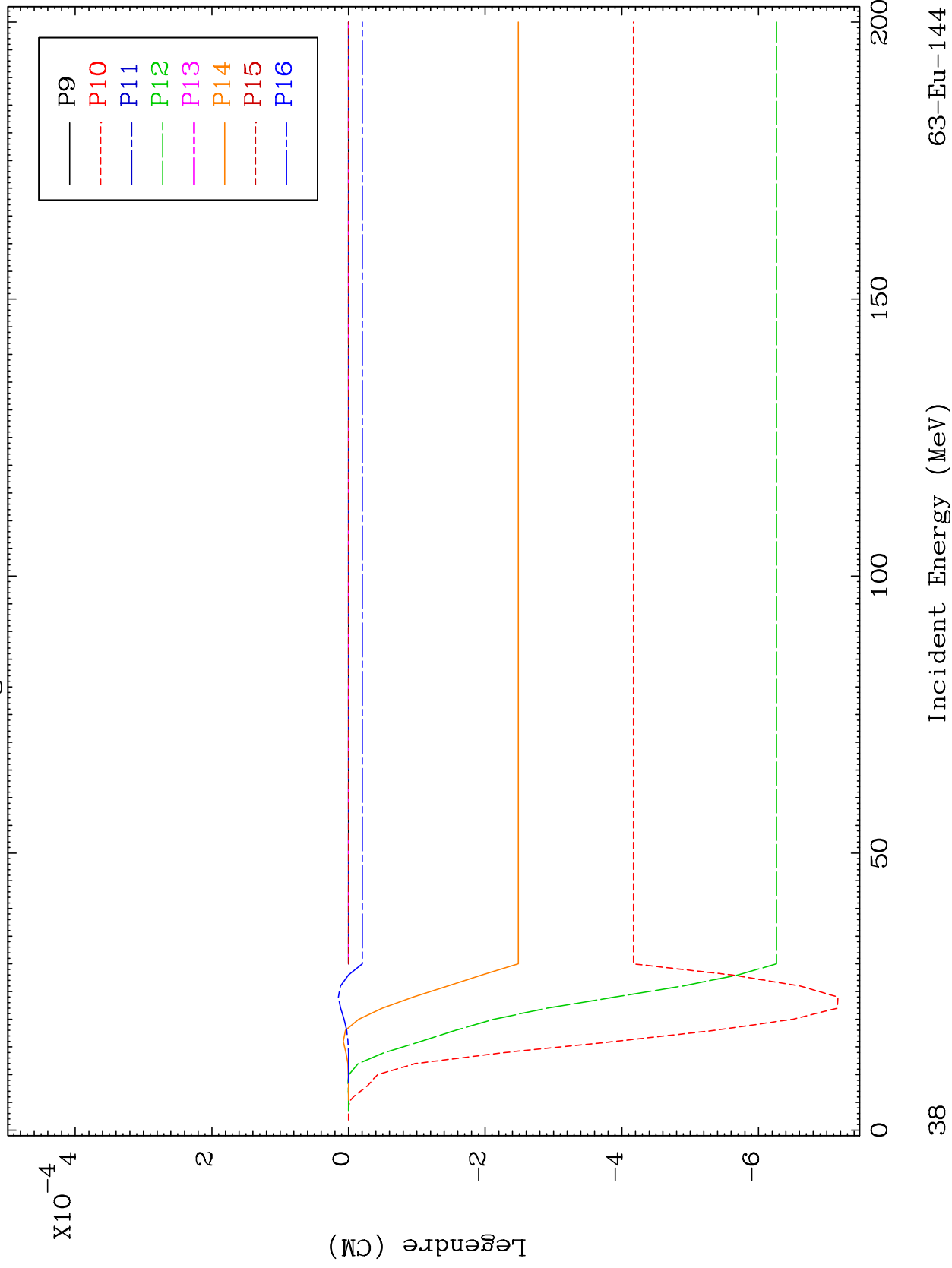
Incident Energy (MeV)

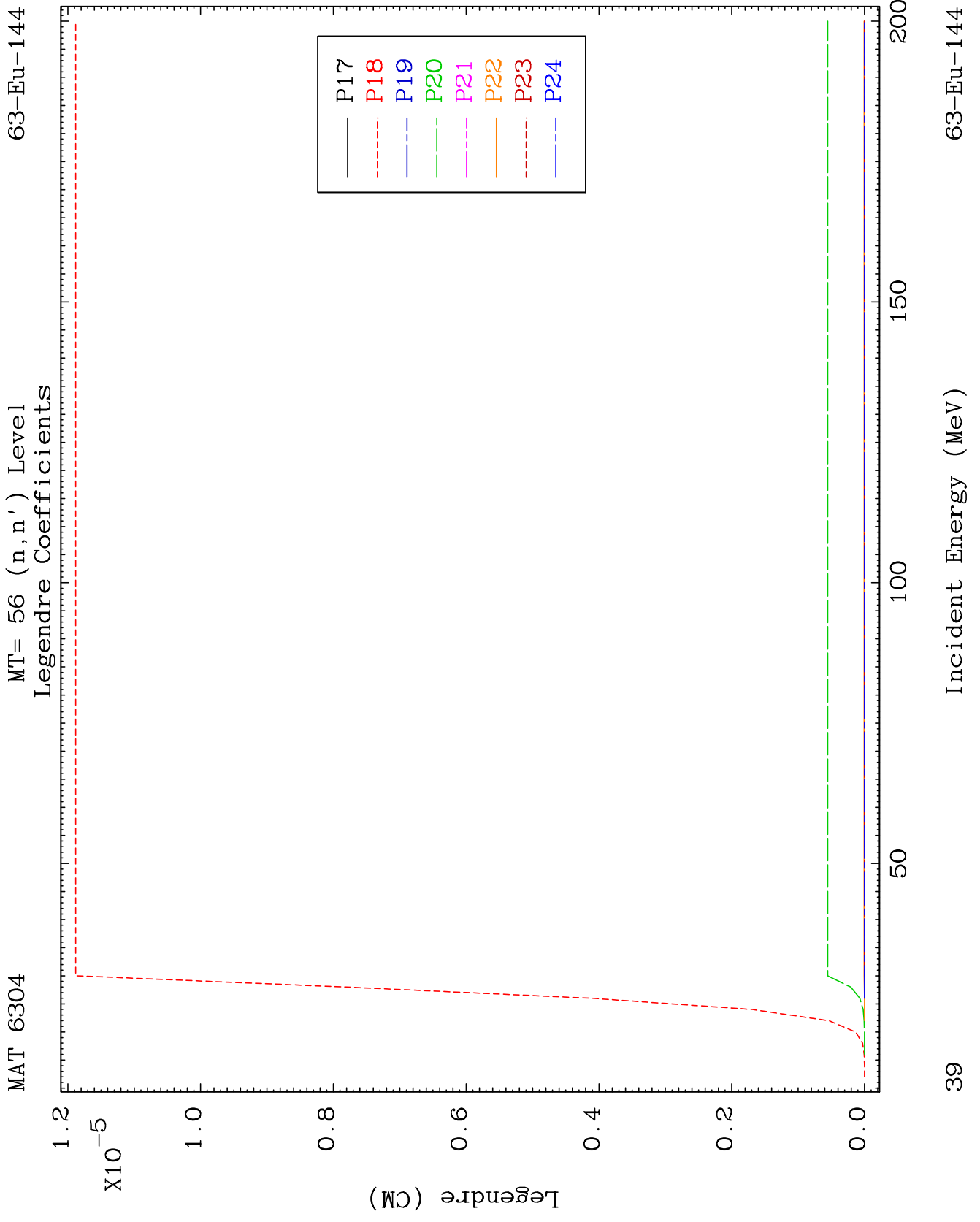
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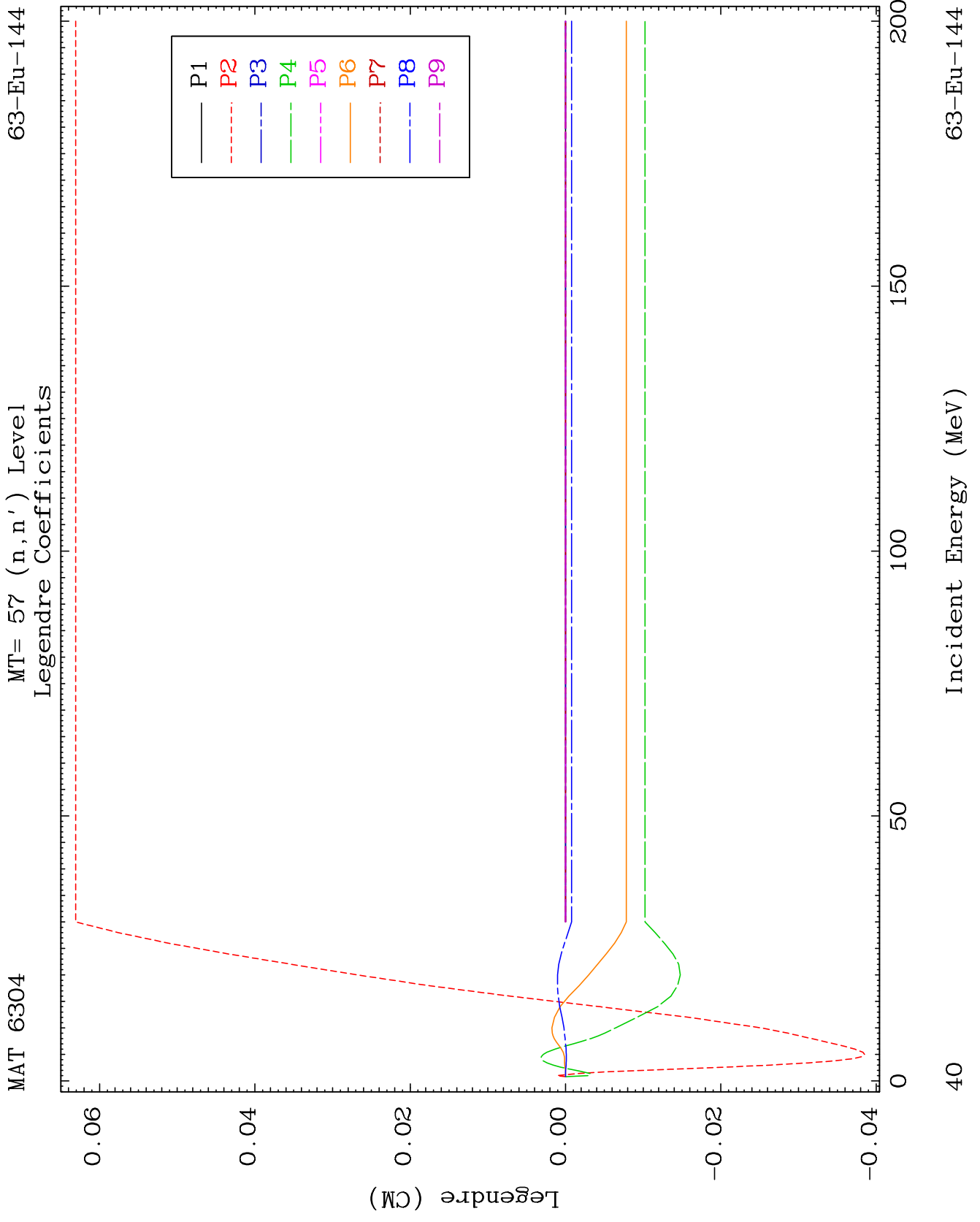
MAT 6304

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

63-Eu-144



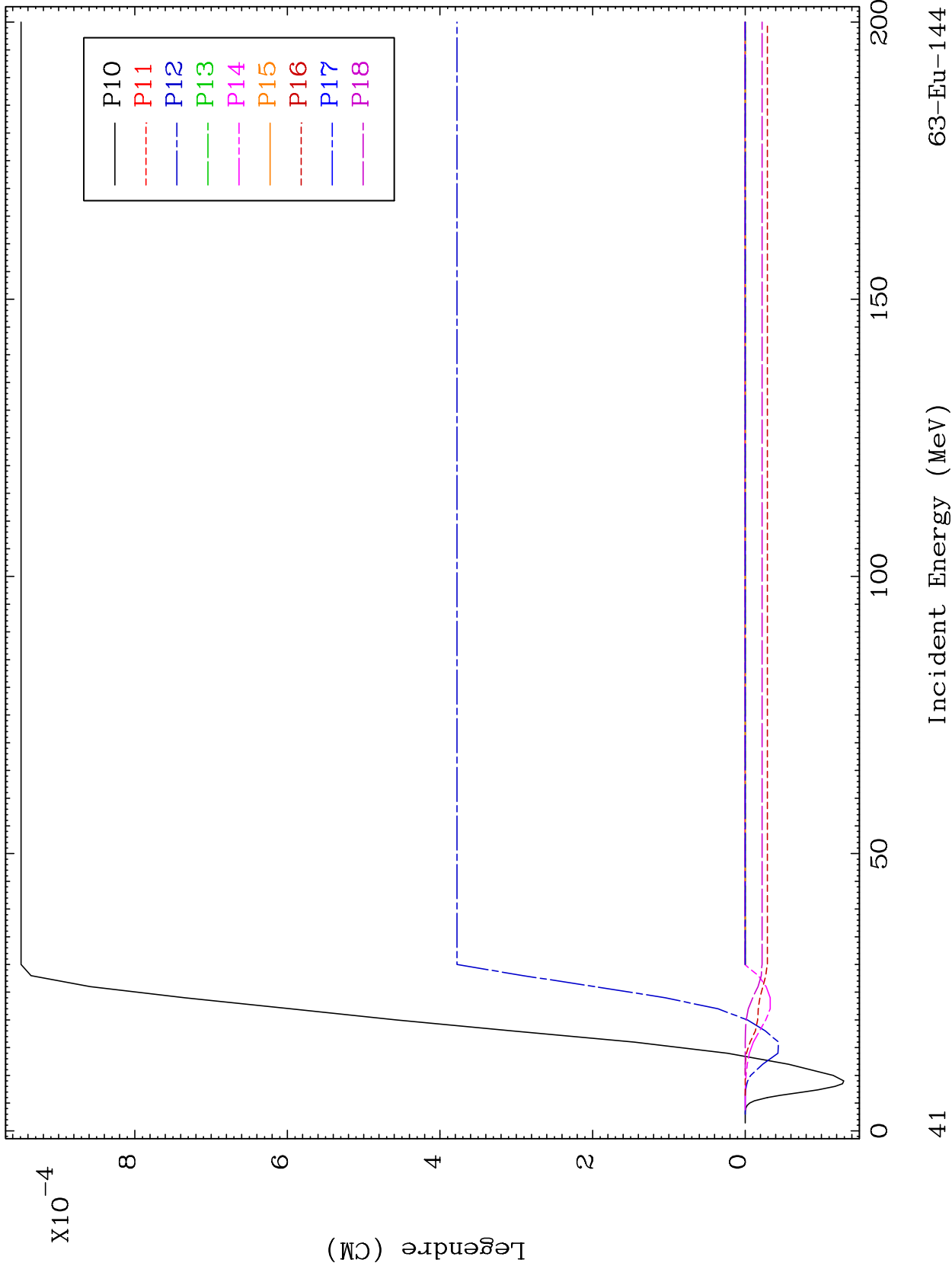




MAT 6304

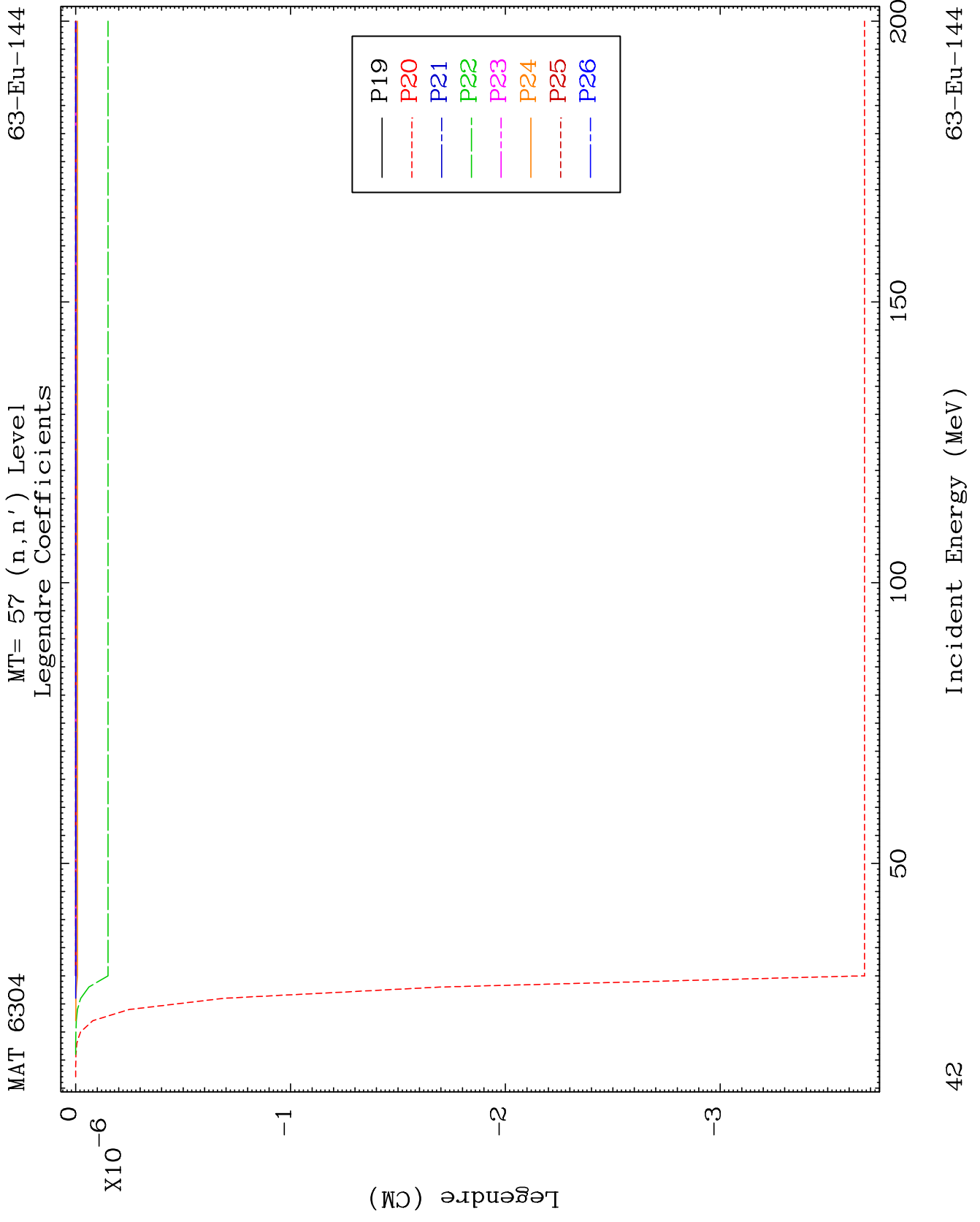
MT= 57 (n,n') Level
Legendre Coefficients

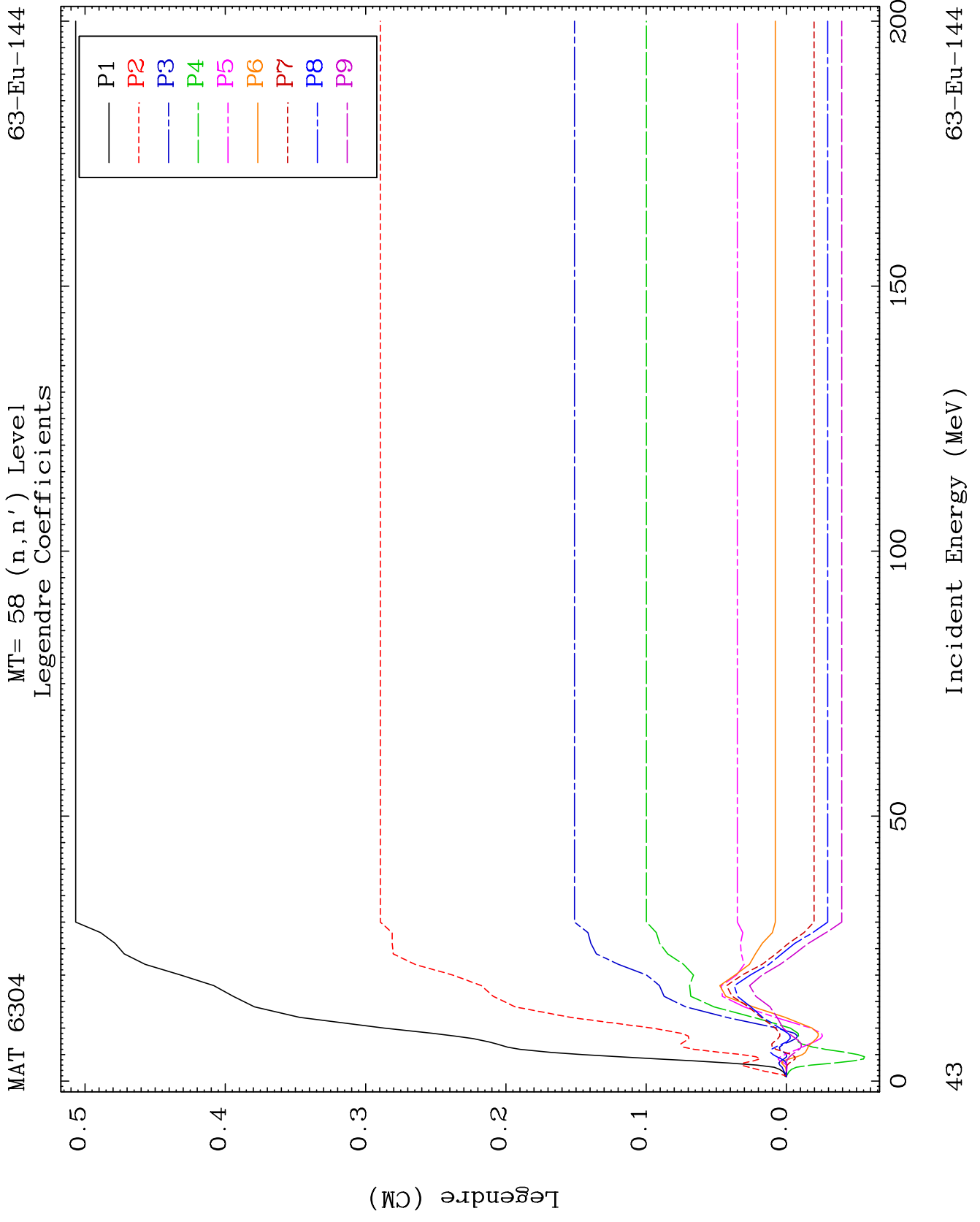
63-Eu-144



41

63-Eu-144

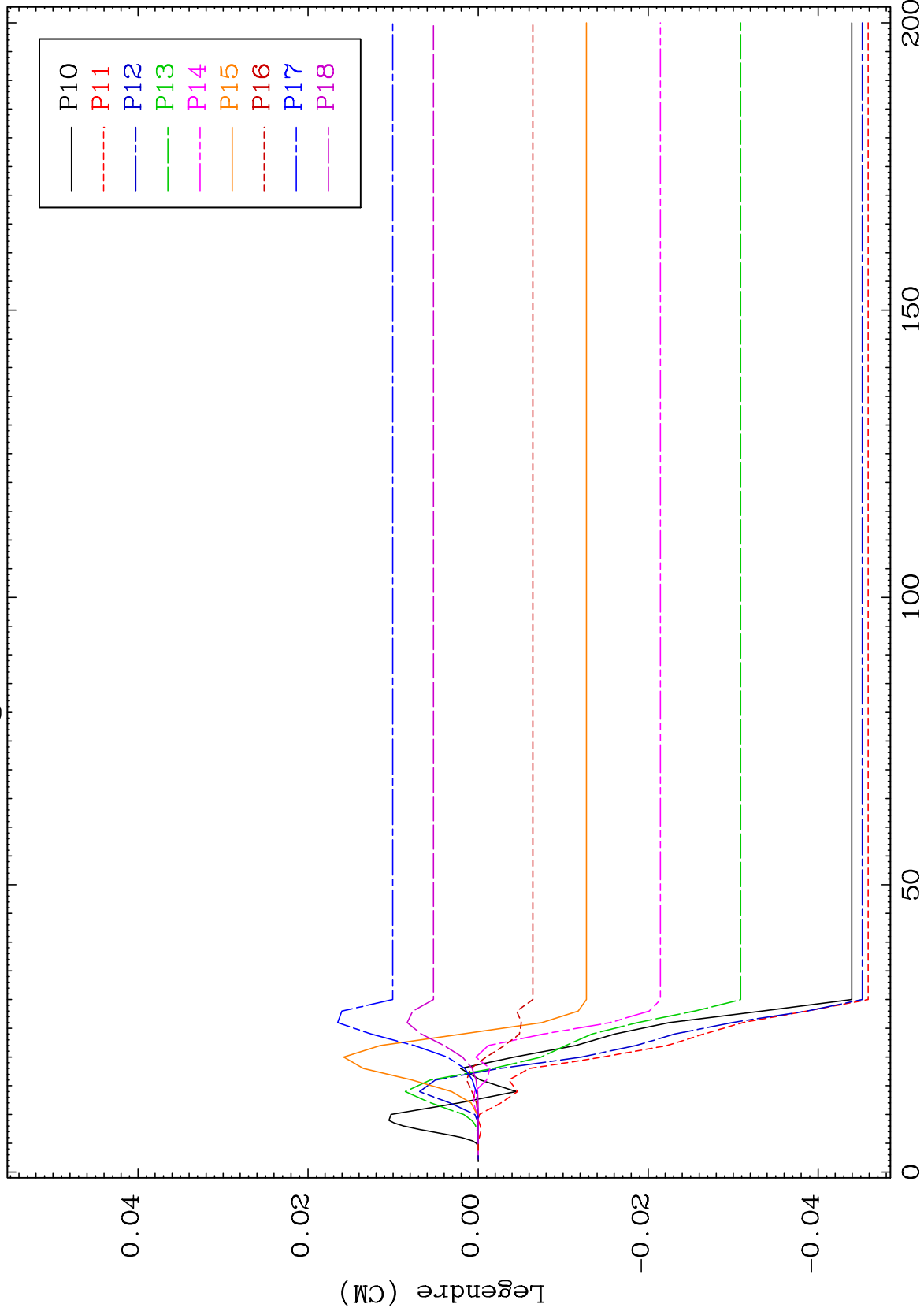




MAT 6304

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

63-Eu-144



44

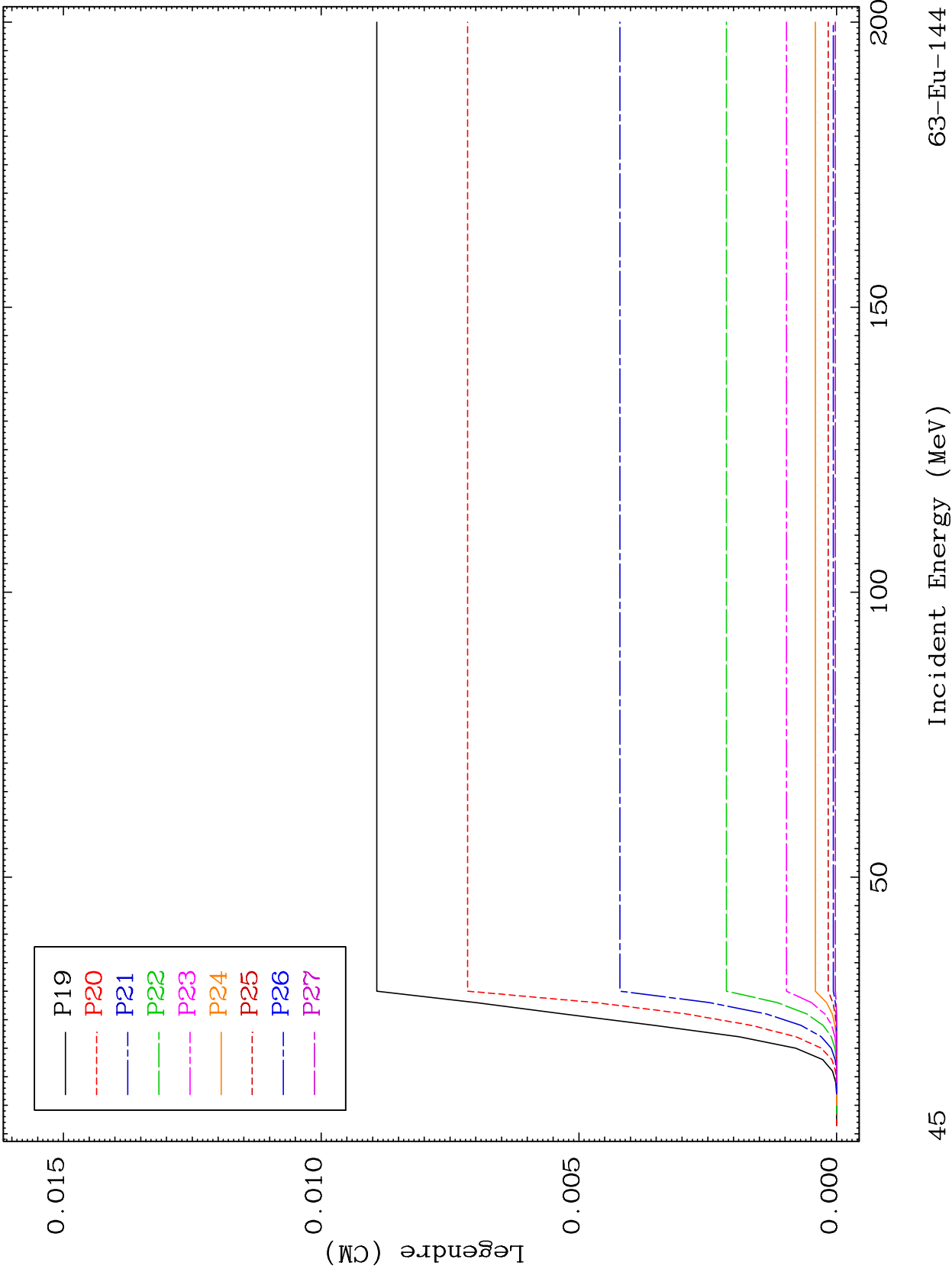
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



63-Eu-144

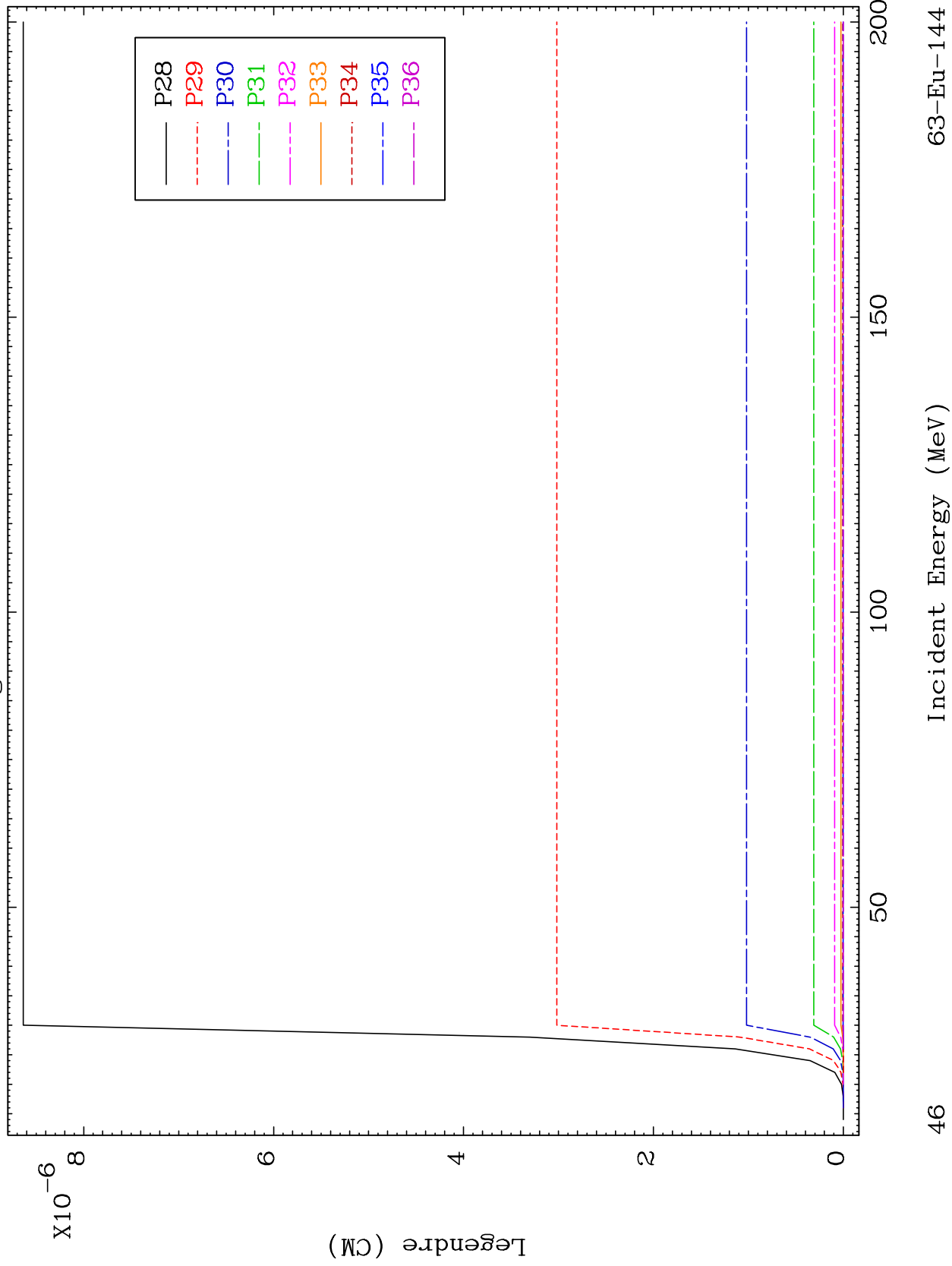
Incident Energy (MeV)

45

MAT 6304

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

63-Eu-144



46

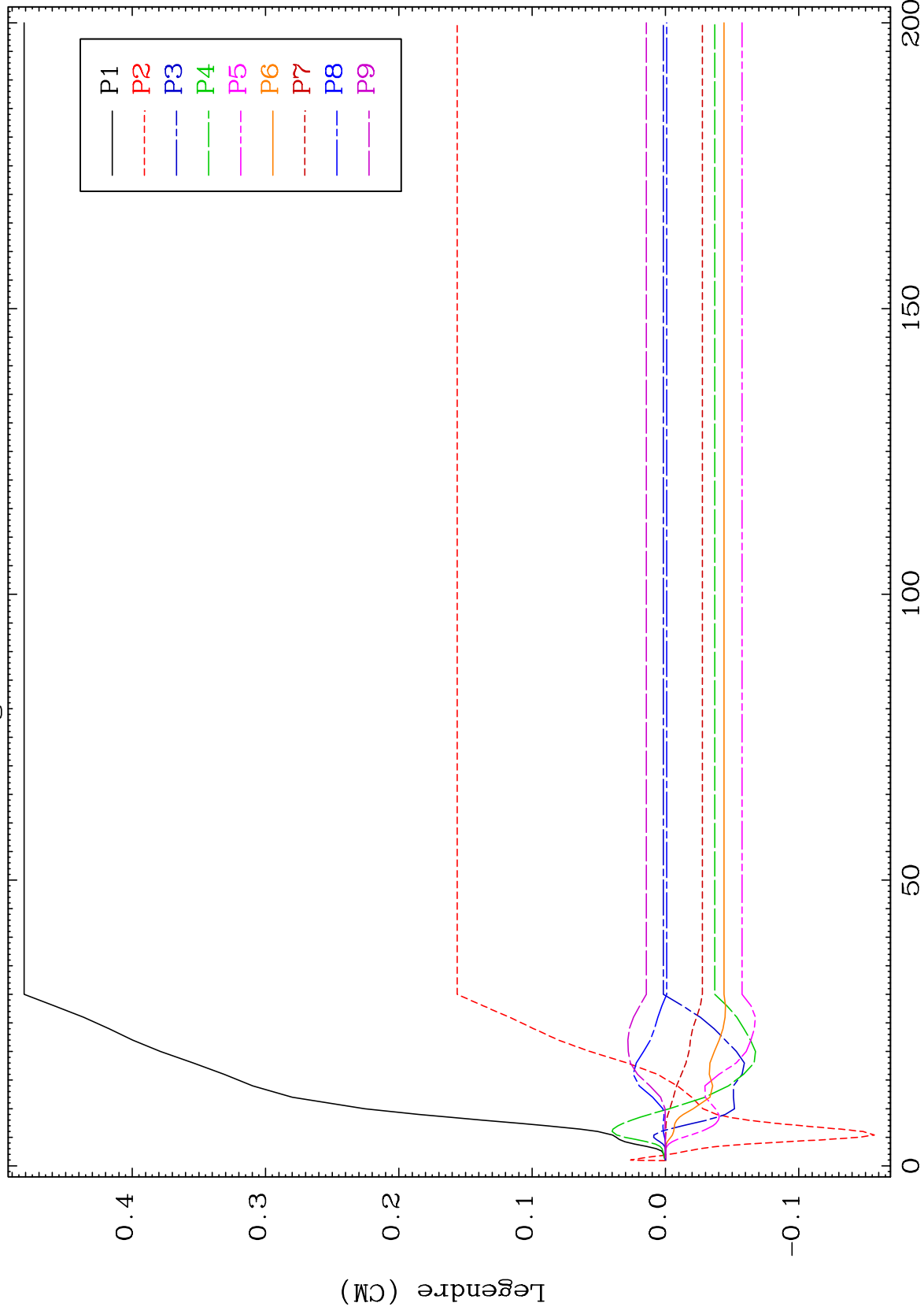
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



47

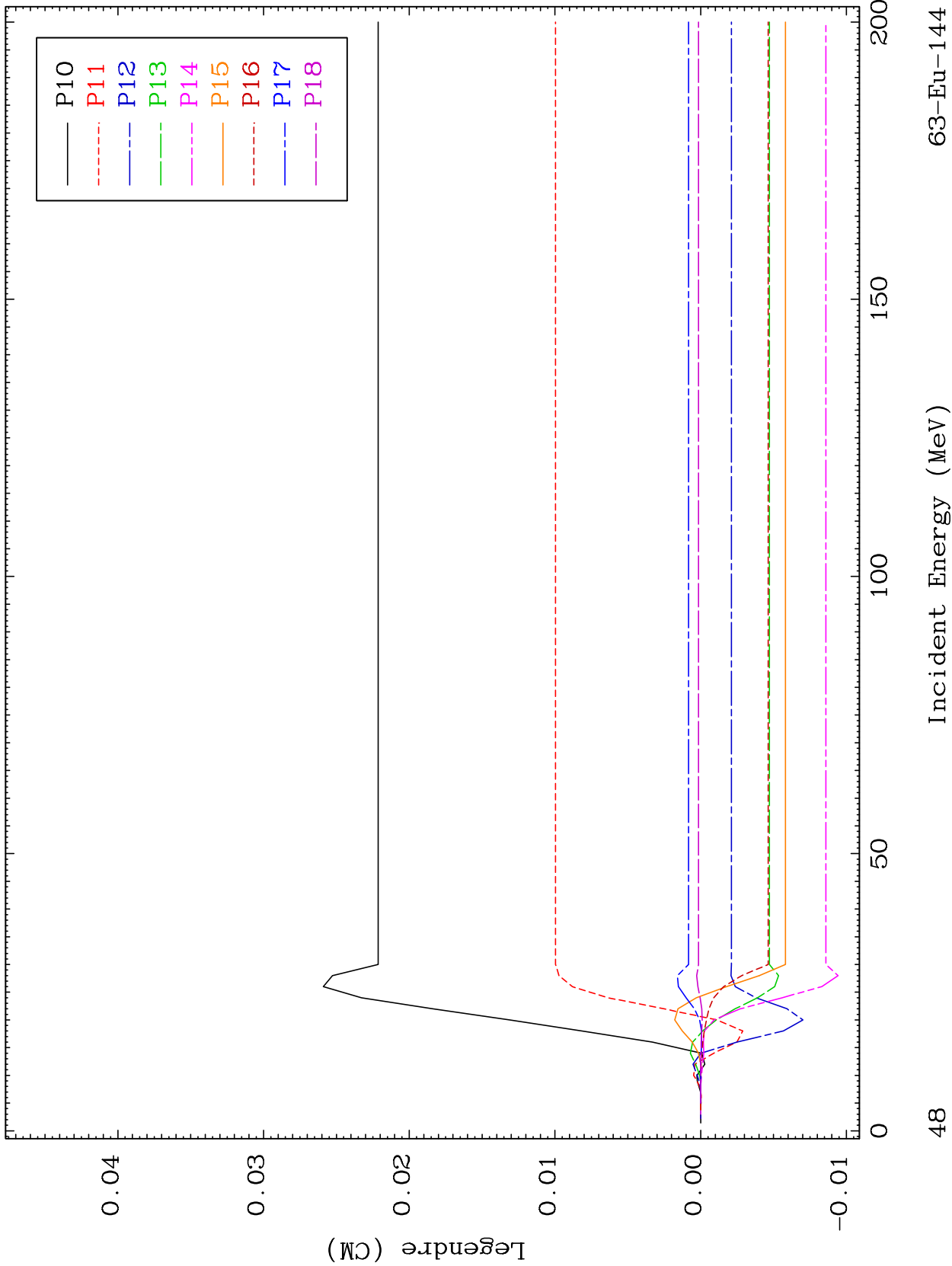
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



63-Eu-144

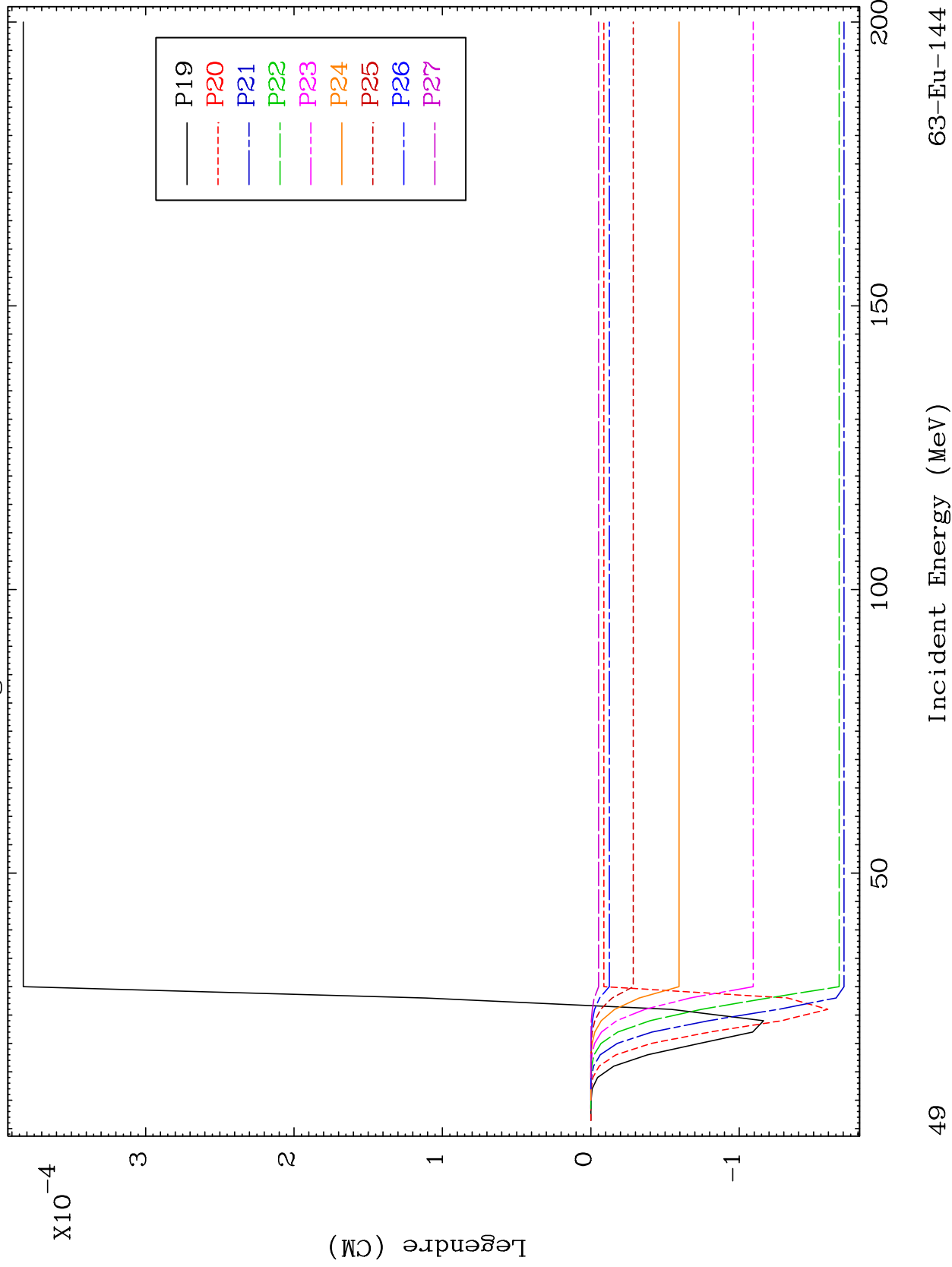
Incident Energy (MeV)

48

MAT 6304

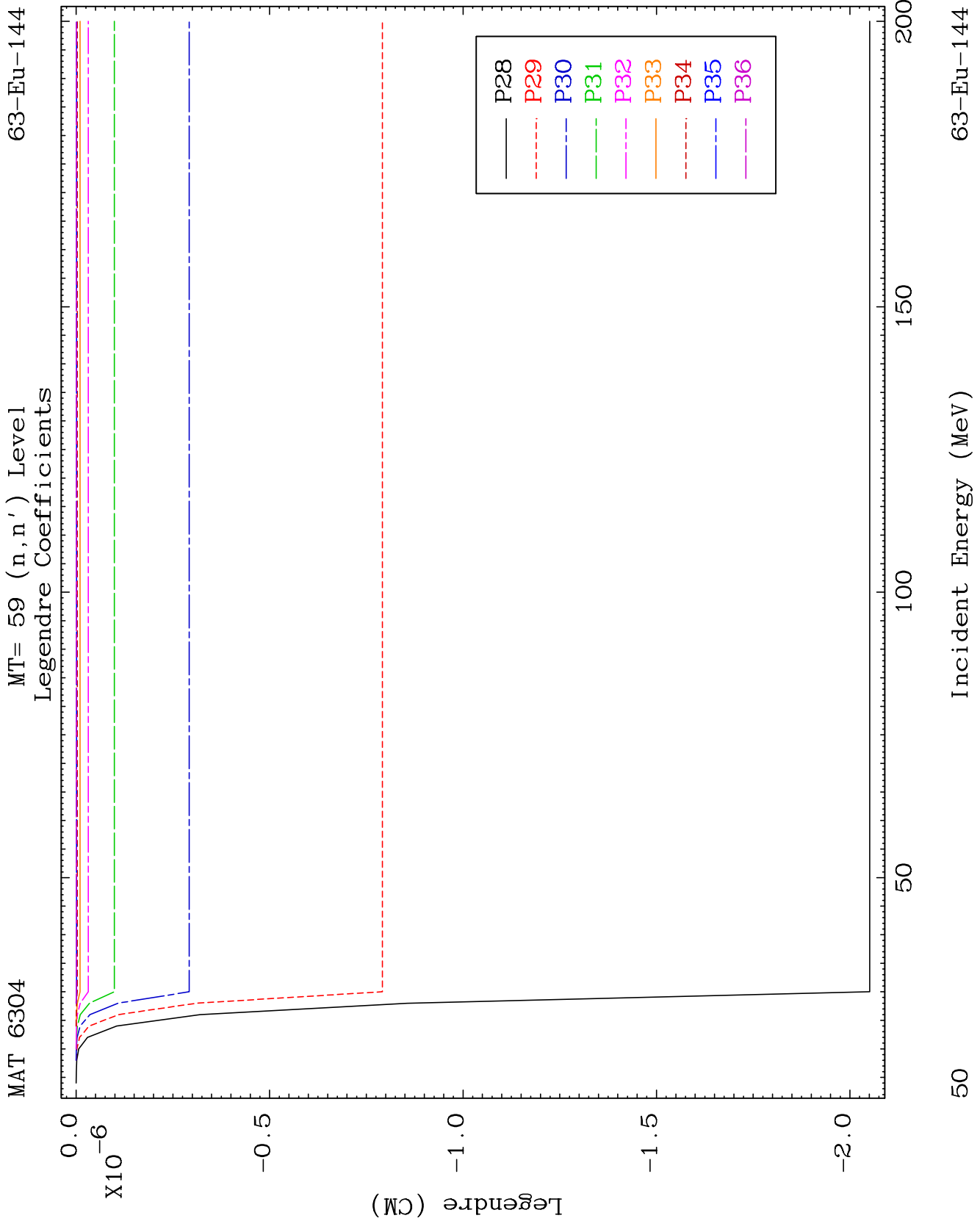
MT= 59 (n,n') Level
Legendre Coefficients

63-Eu-144



49

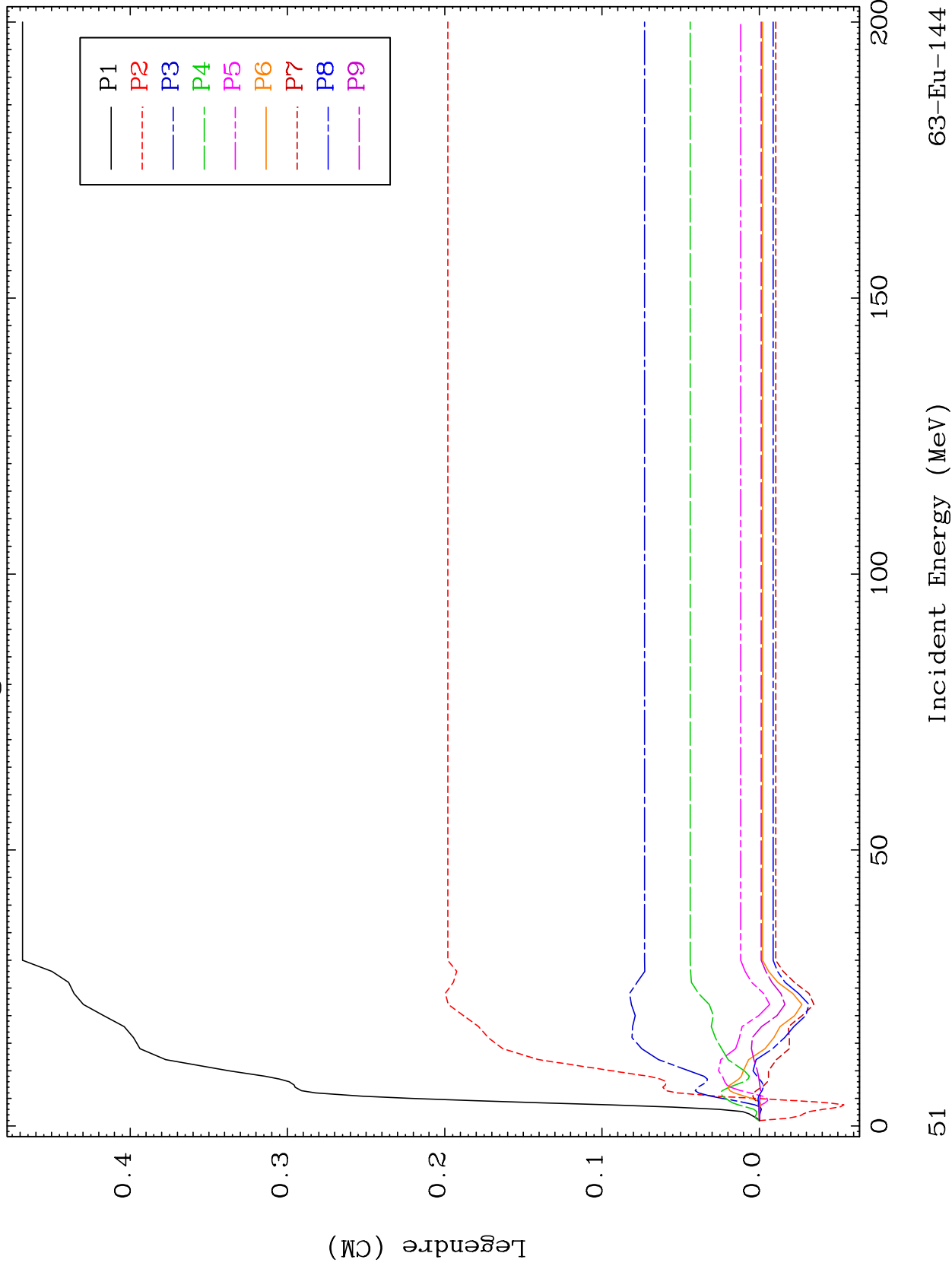
63-Eu-144



MAT 6304

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

63-Eu-144



63-Eu-144

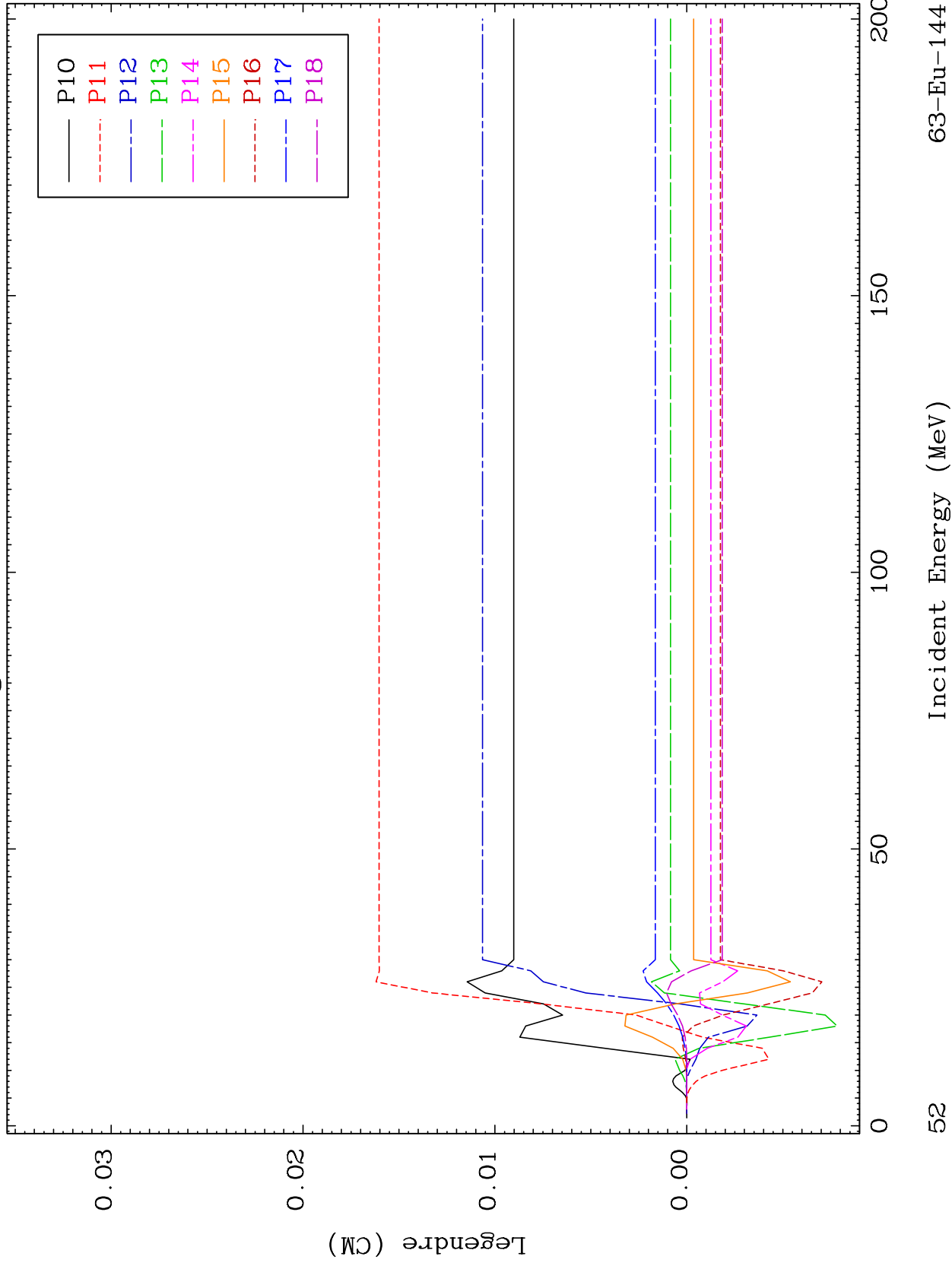
Incident Energy (MeV)

51

MAT 6304

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

63-Eu-144



63-Eu-144

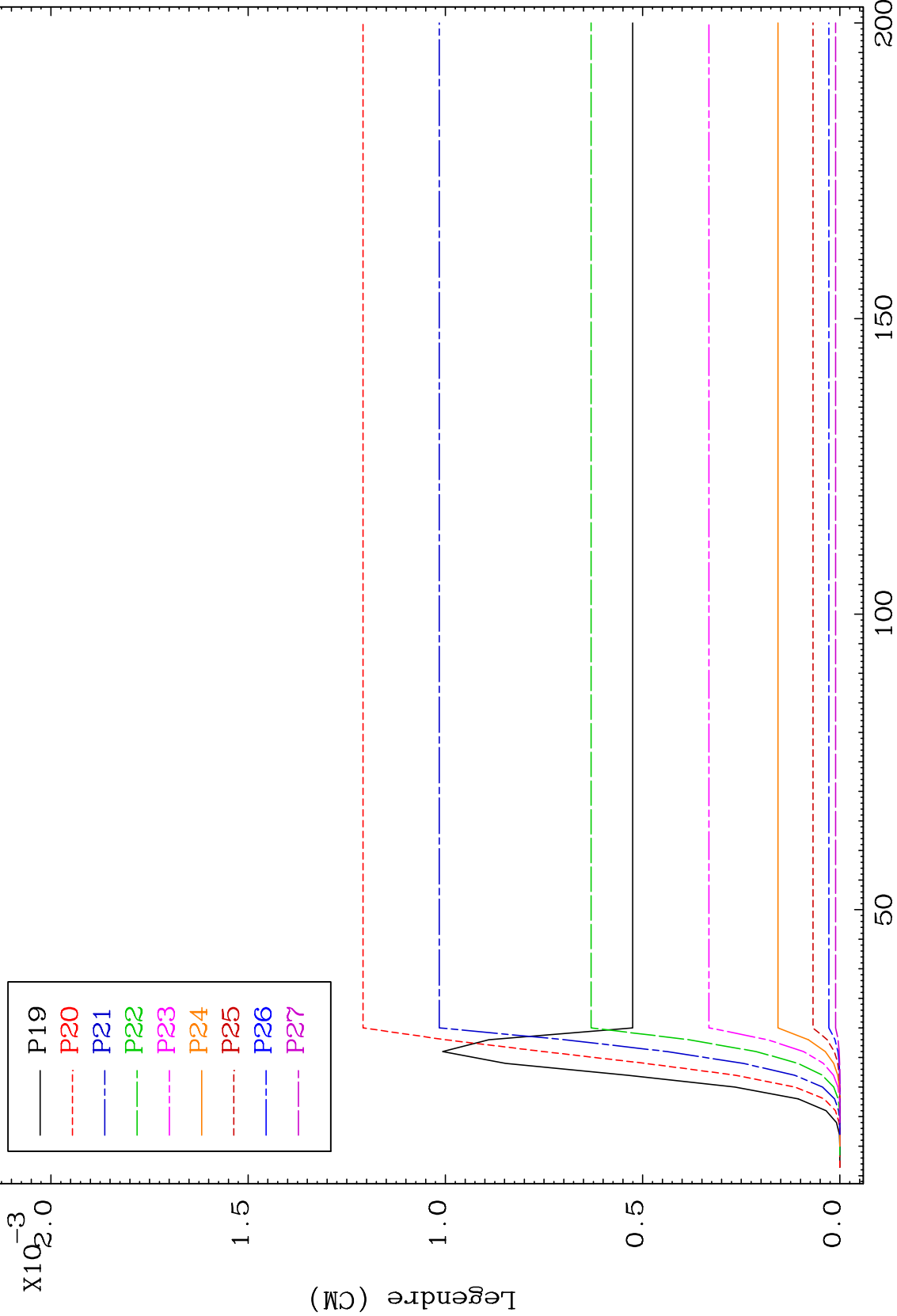
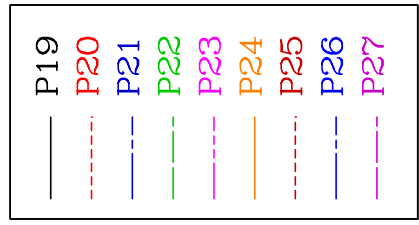
Incident Energy (MeV)

52

MAT 6304

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

63-Eu-144



53

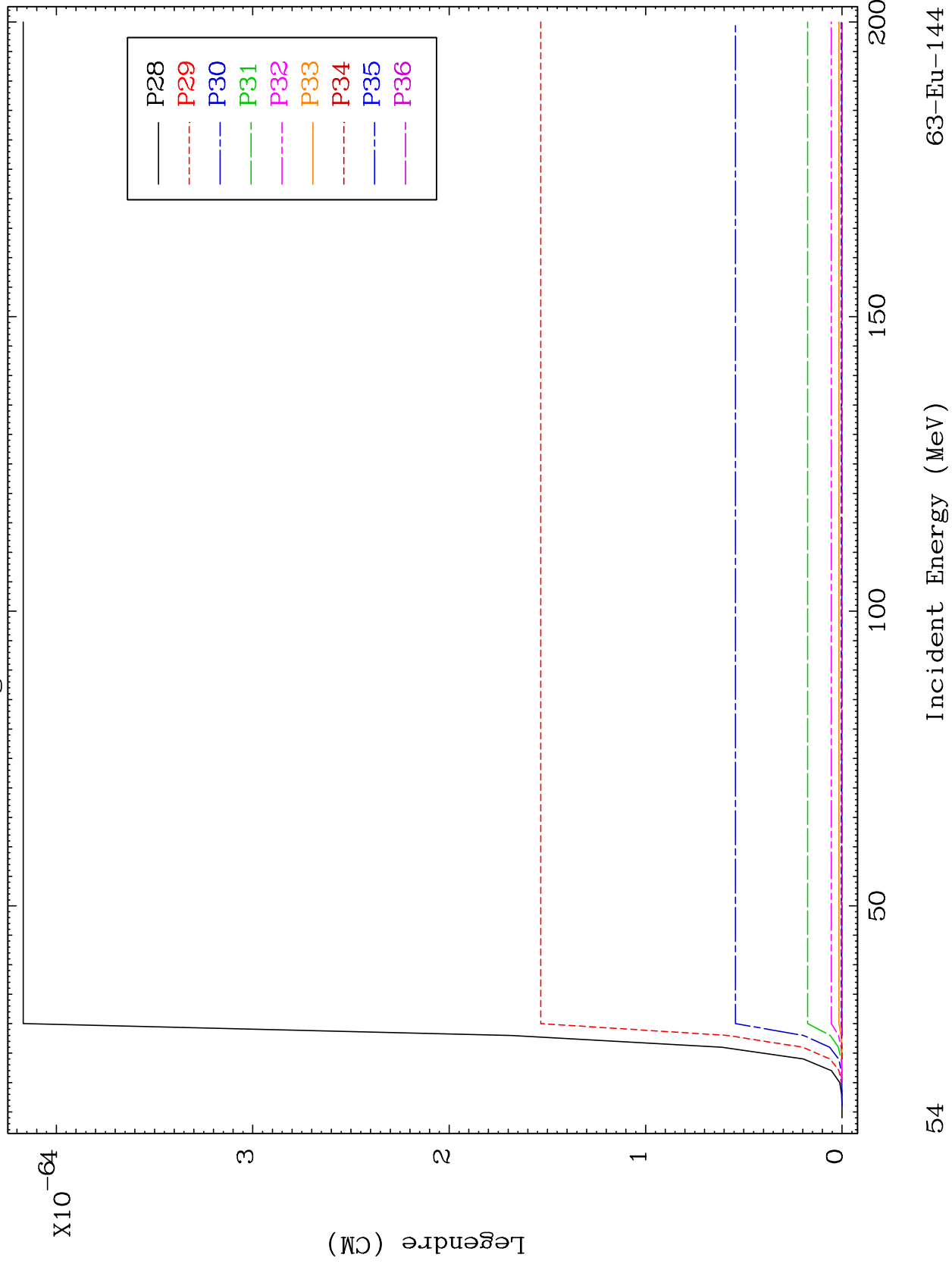
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

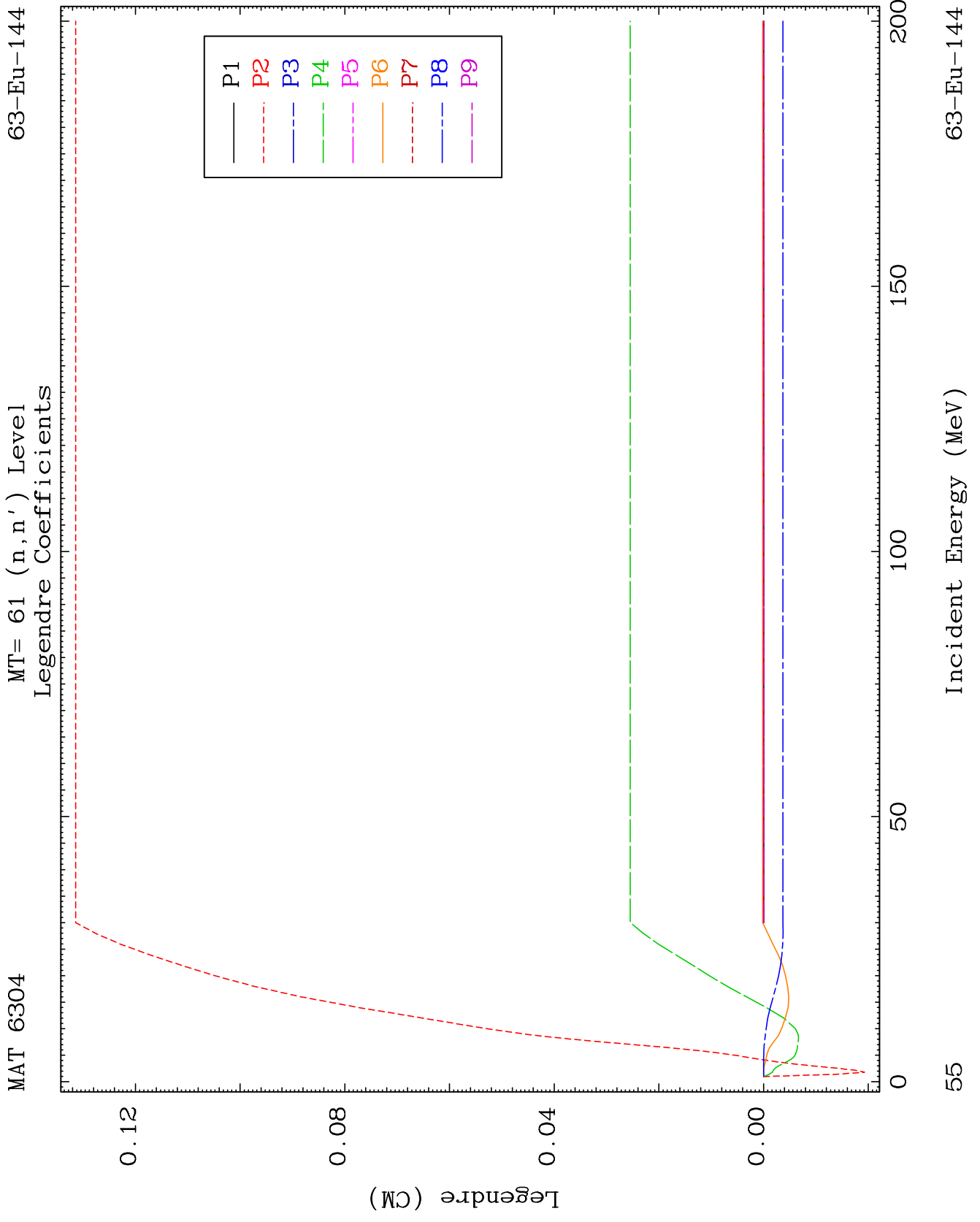
63-Eu-144



54

Incident Energy (MeV)

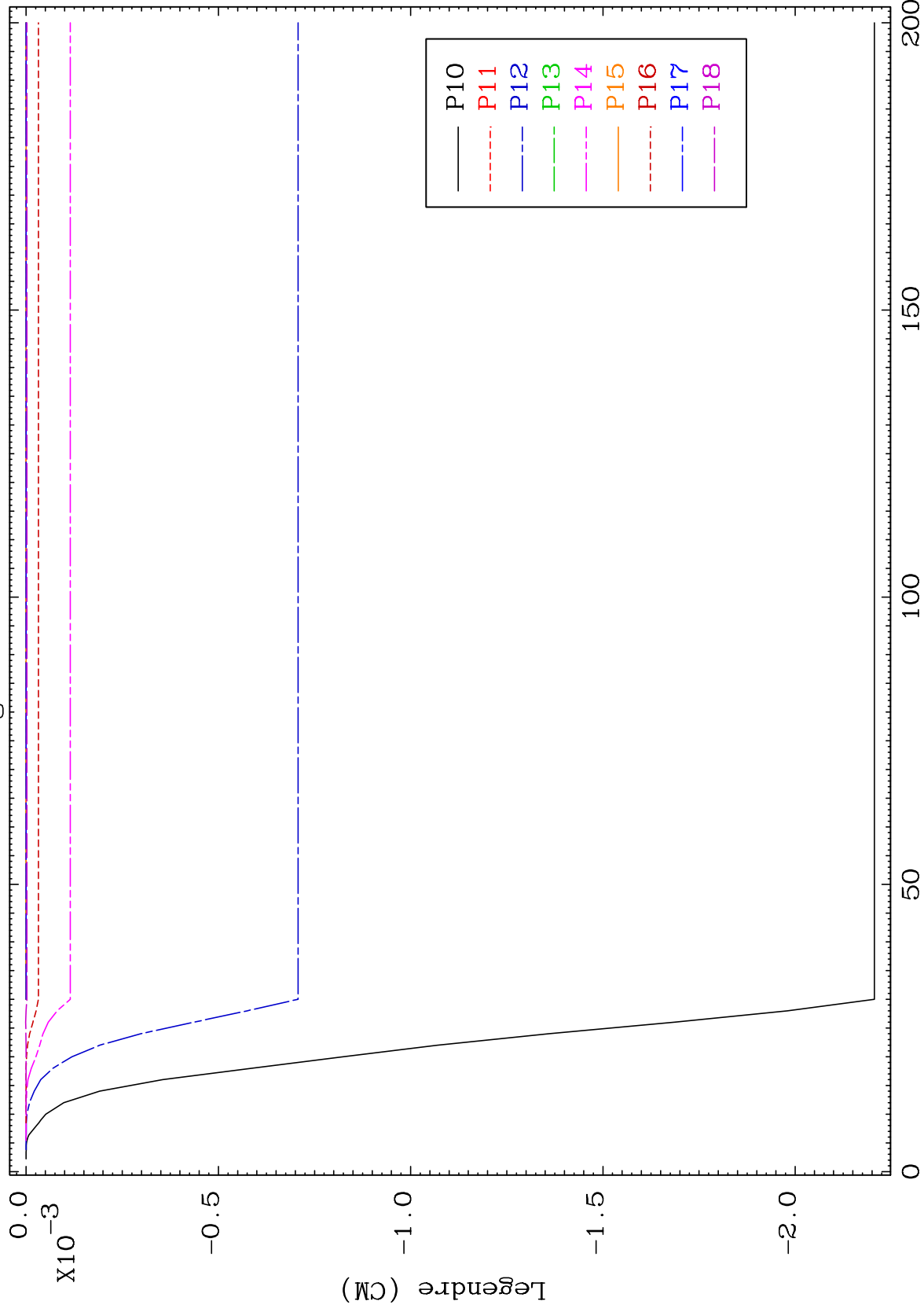
63-Eu-144



MAT 6304

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

63-Eu-144



56

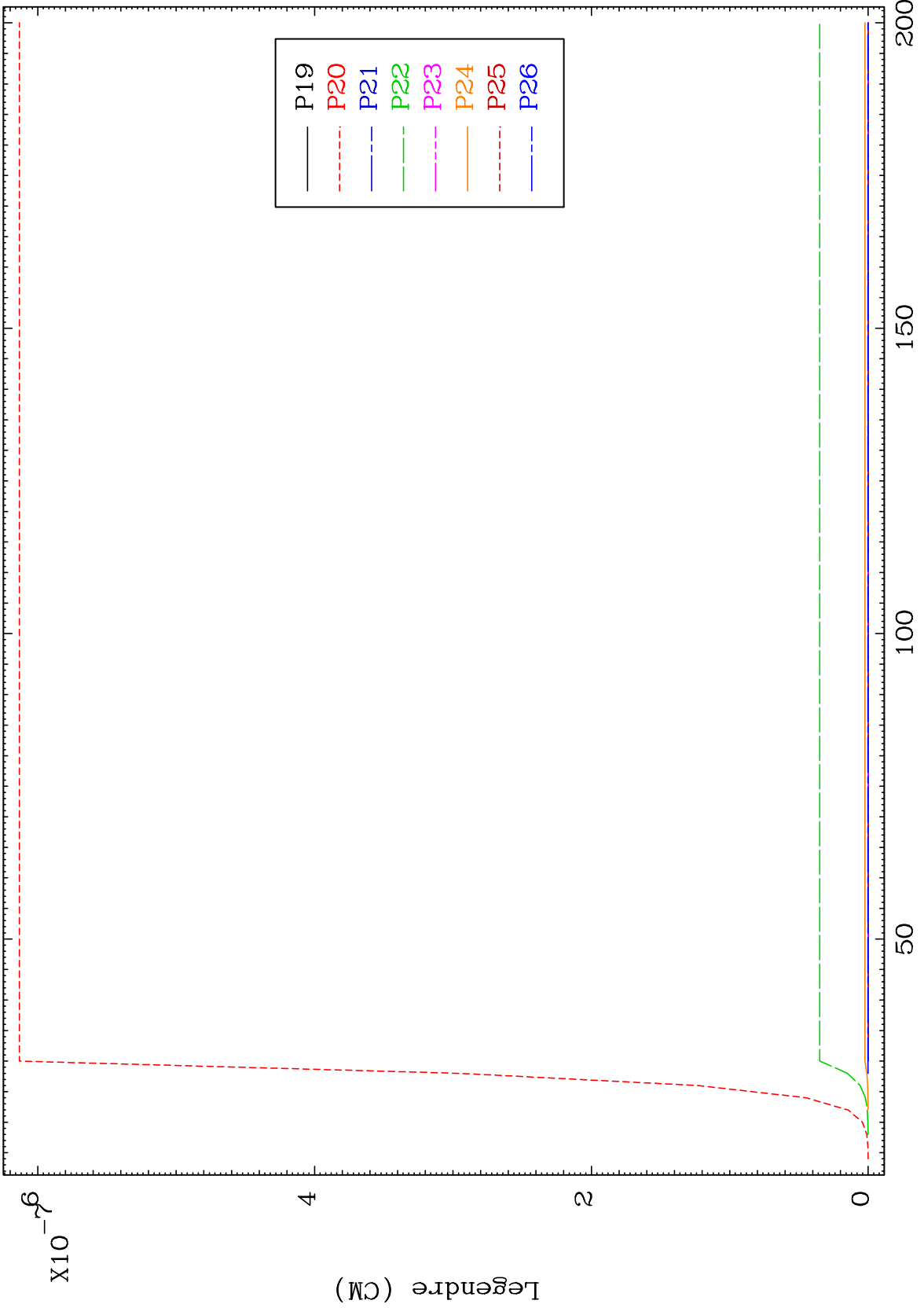
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



63-Eu-144

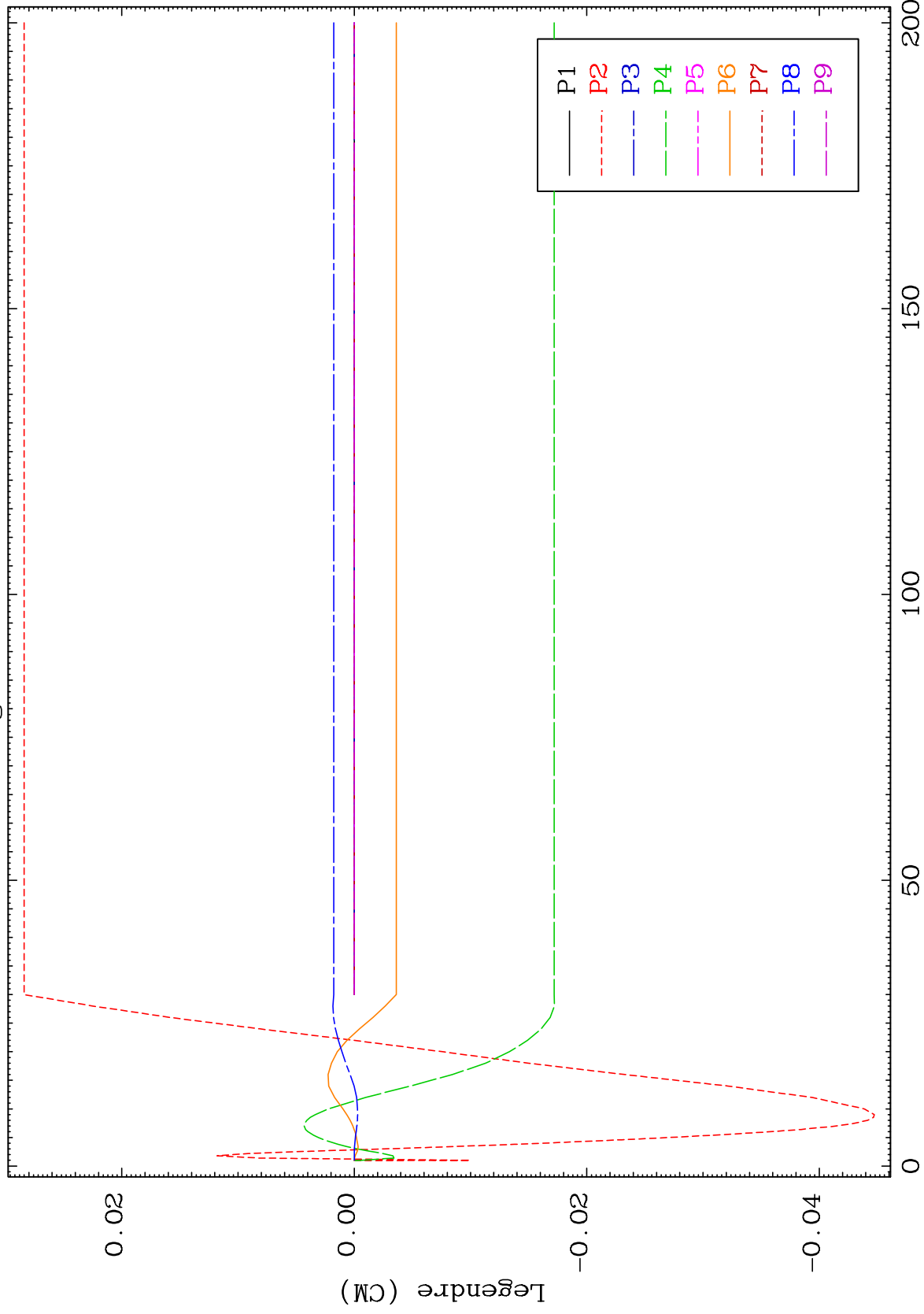
Incident Energy (MeV)

57

MAT 6304

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

63-Eu-144



58

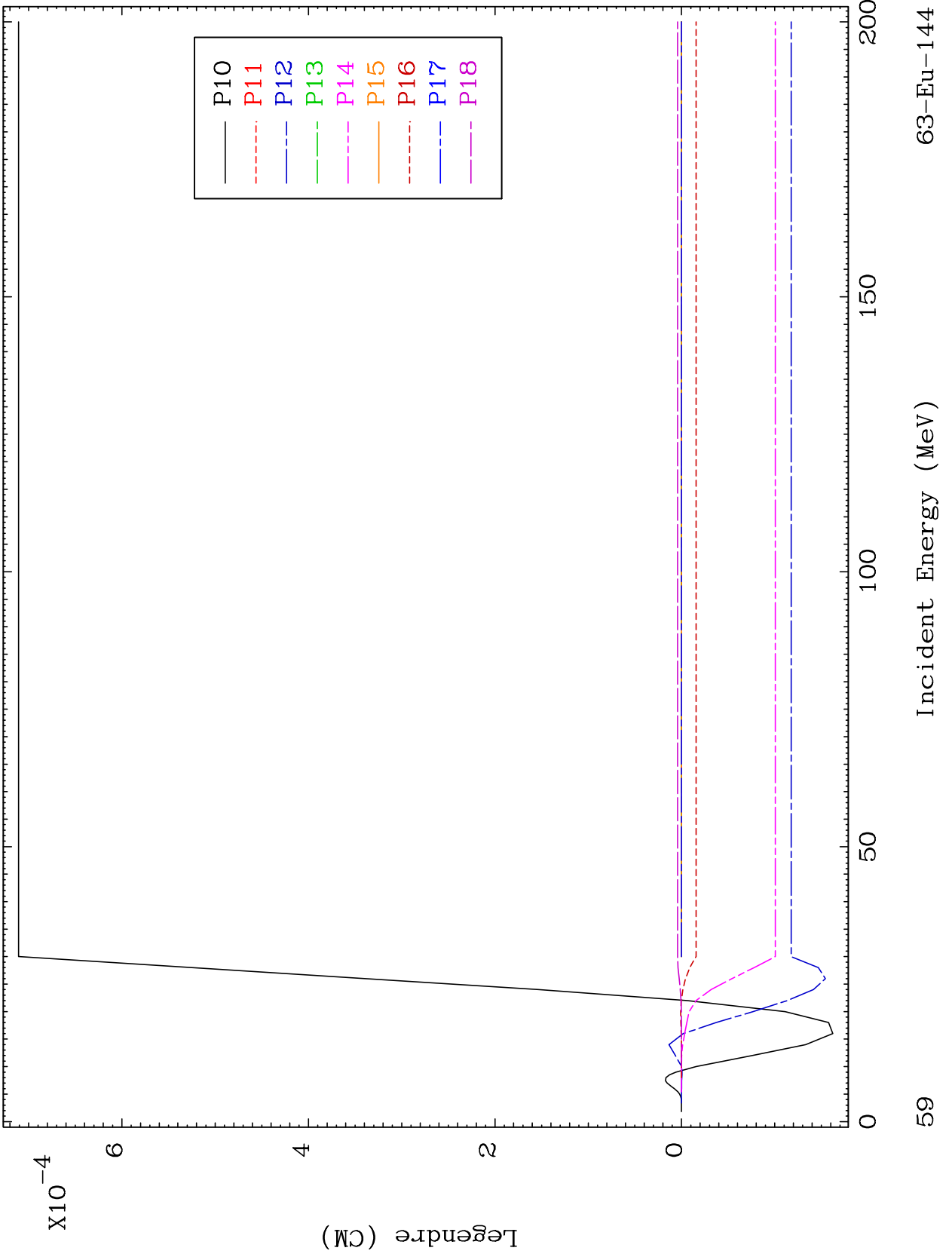
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



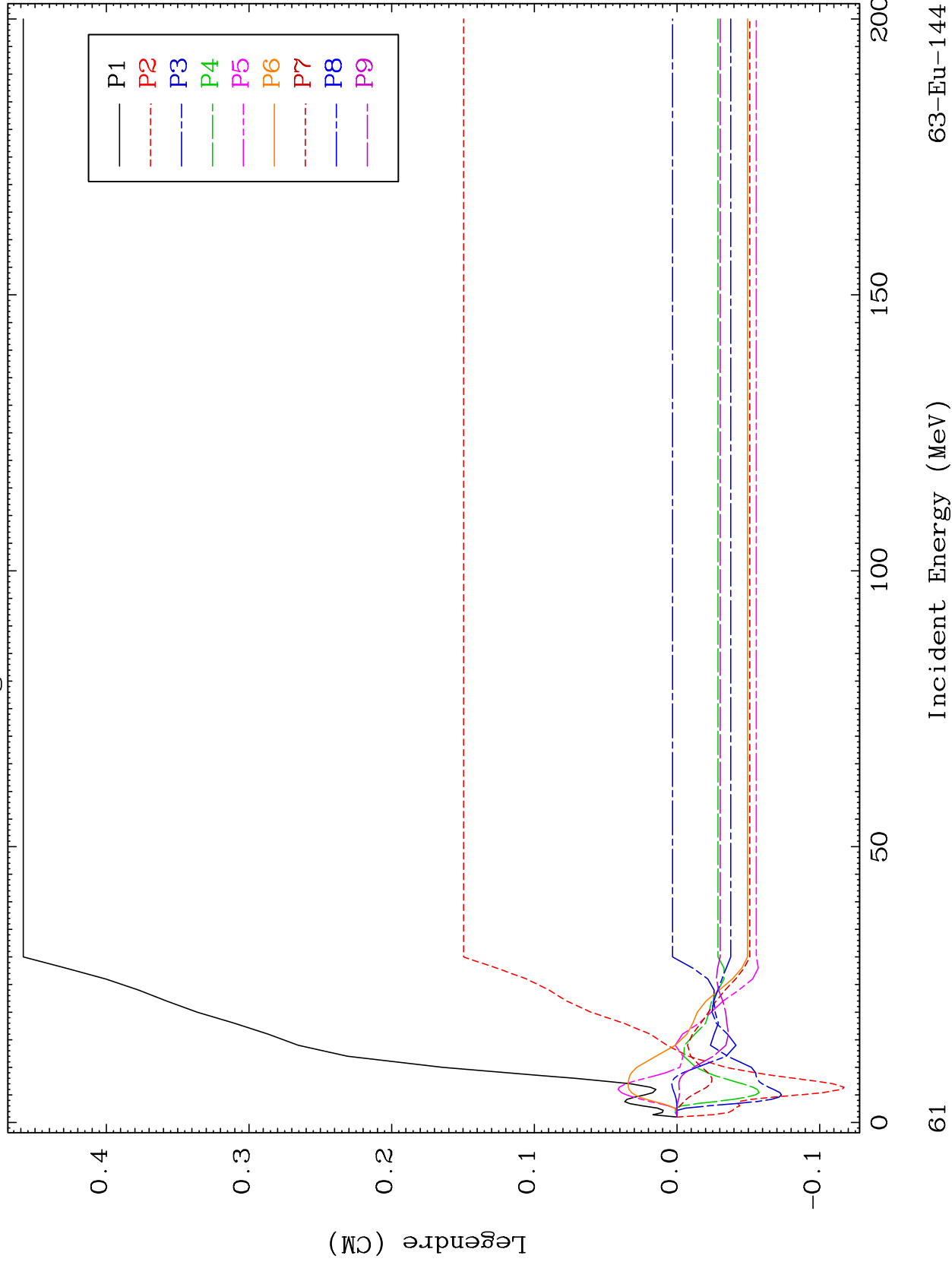
59

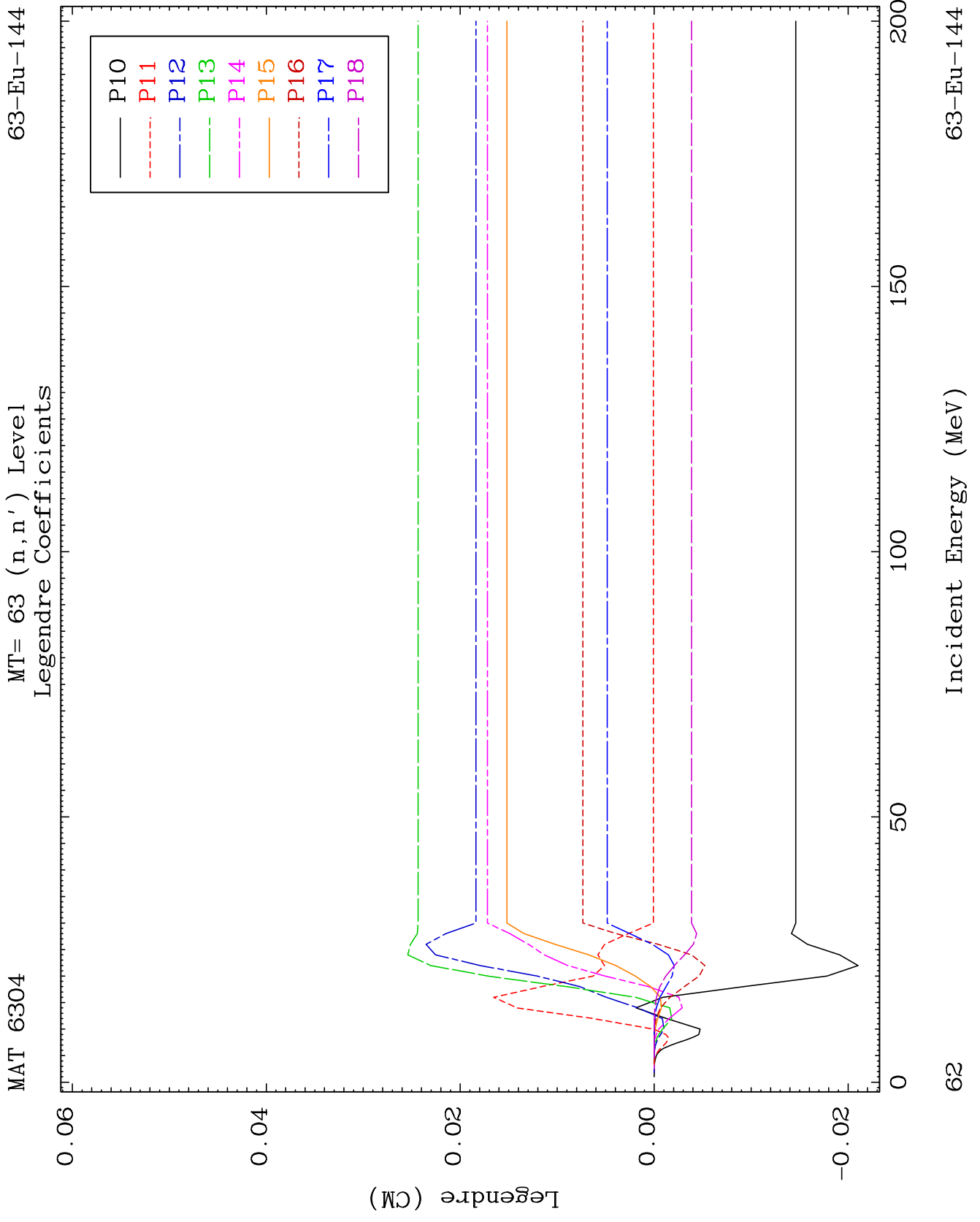
63-Eu-144

MAT 6304

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

63-Eu-144

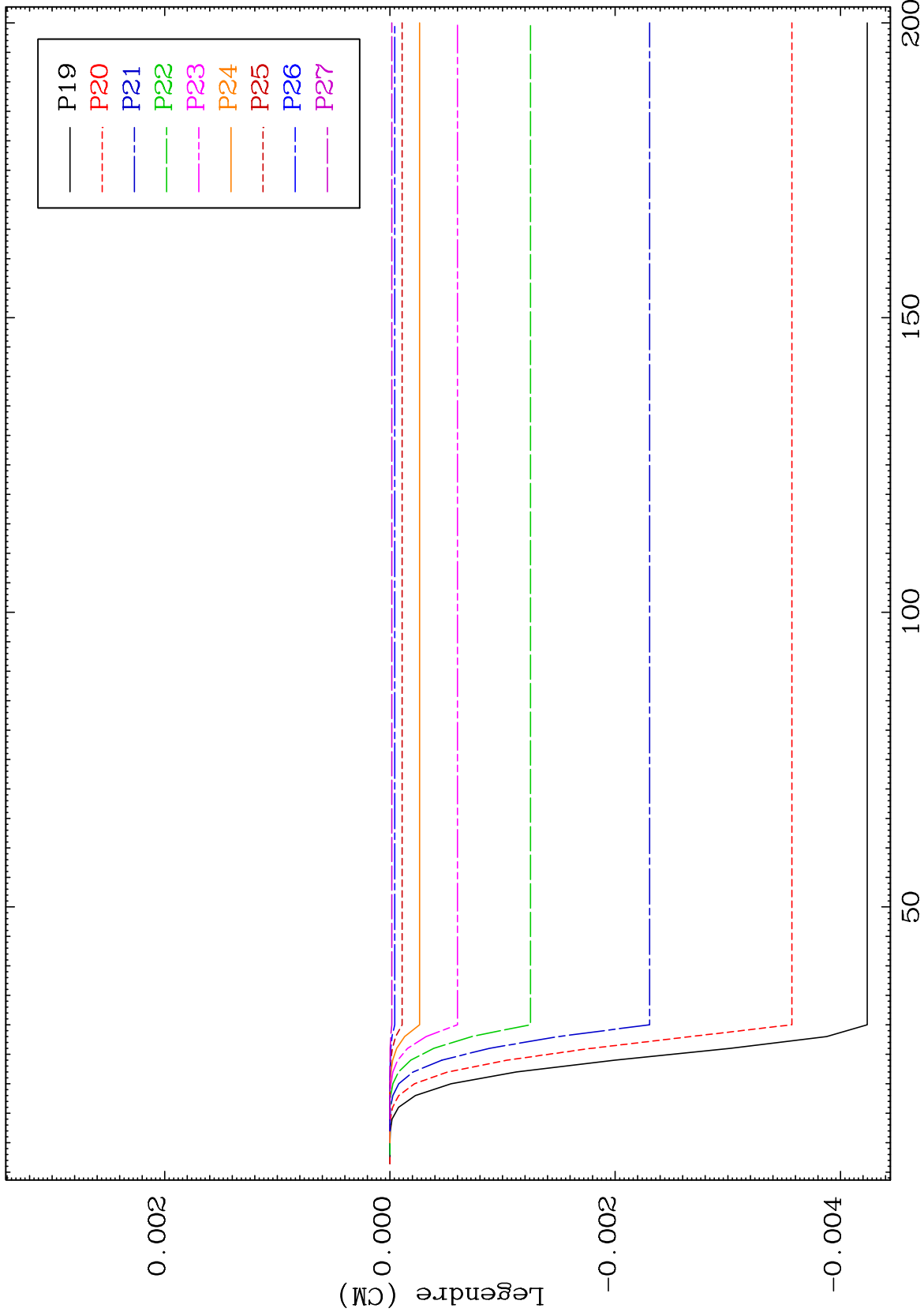




MAT 6304

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

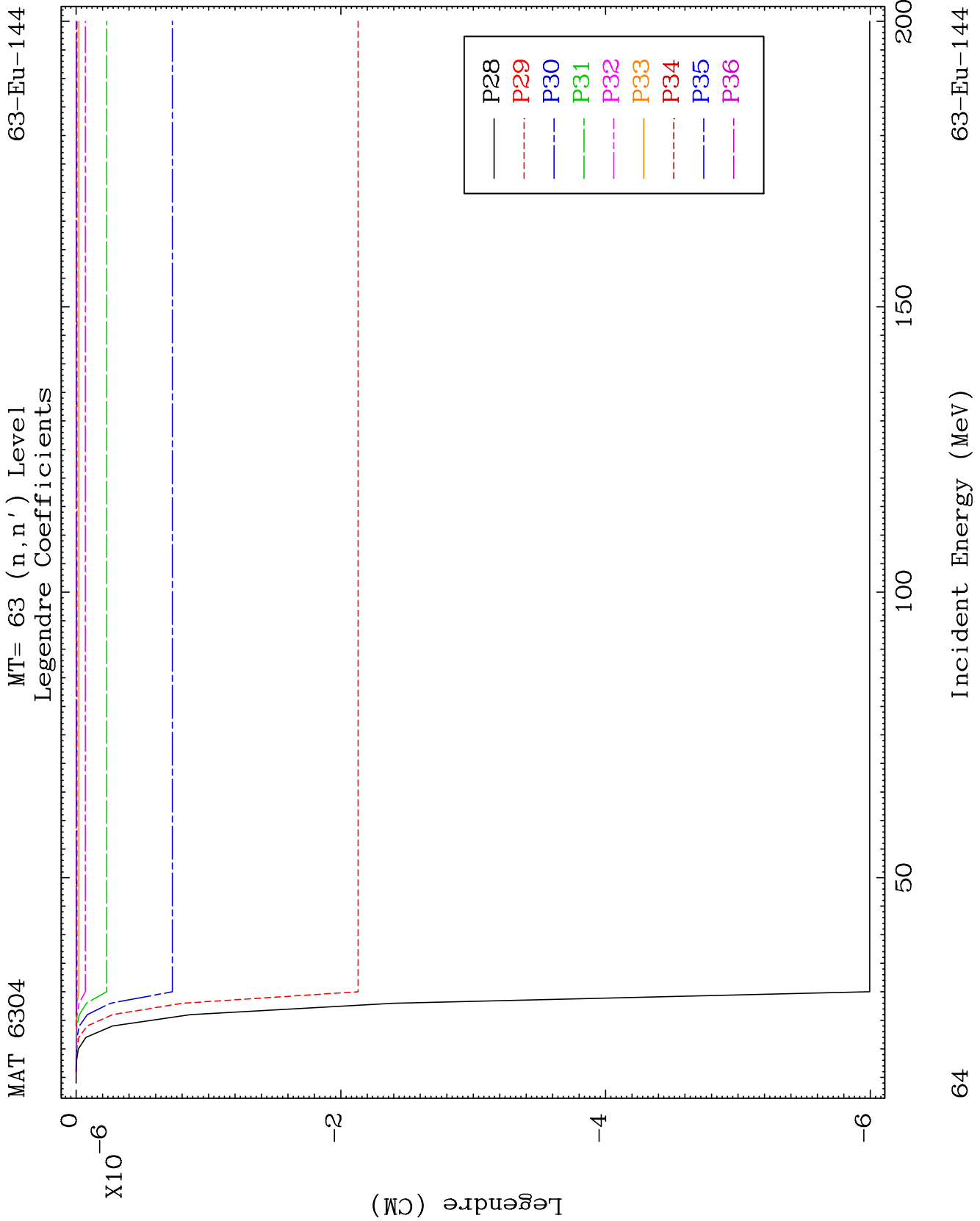
63-Eu-144



63

Incident Energy (MeV)

63-Eu-144

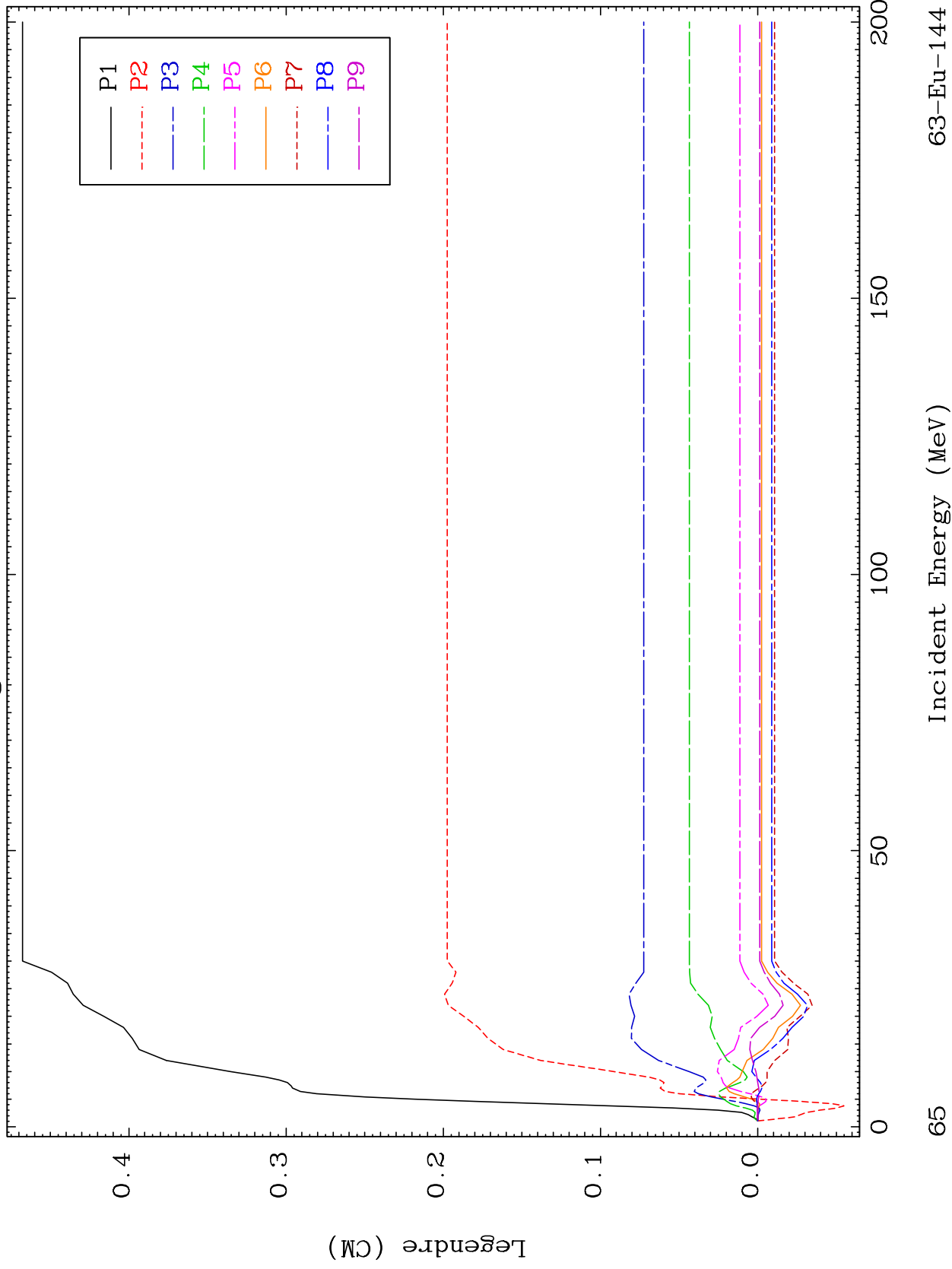


MAT 6304

MT= 64 (n,n') Level

63-Eu-144

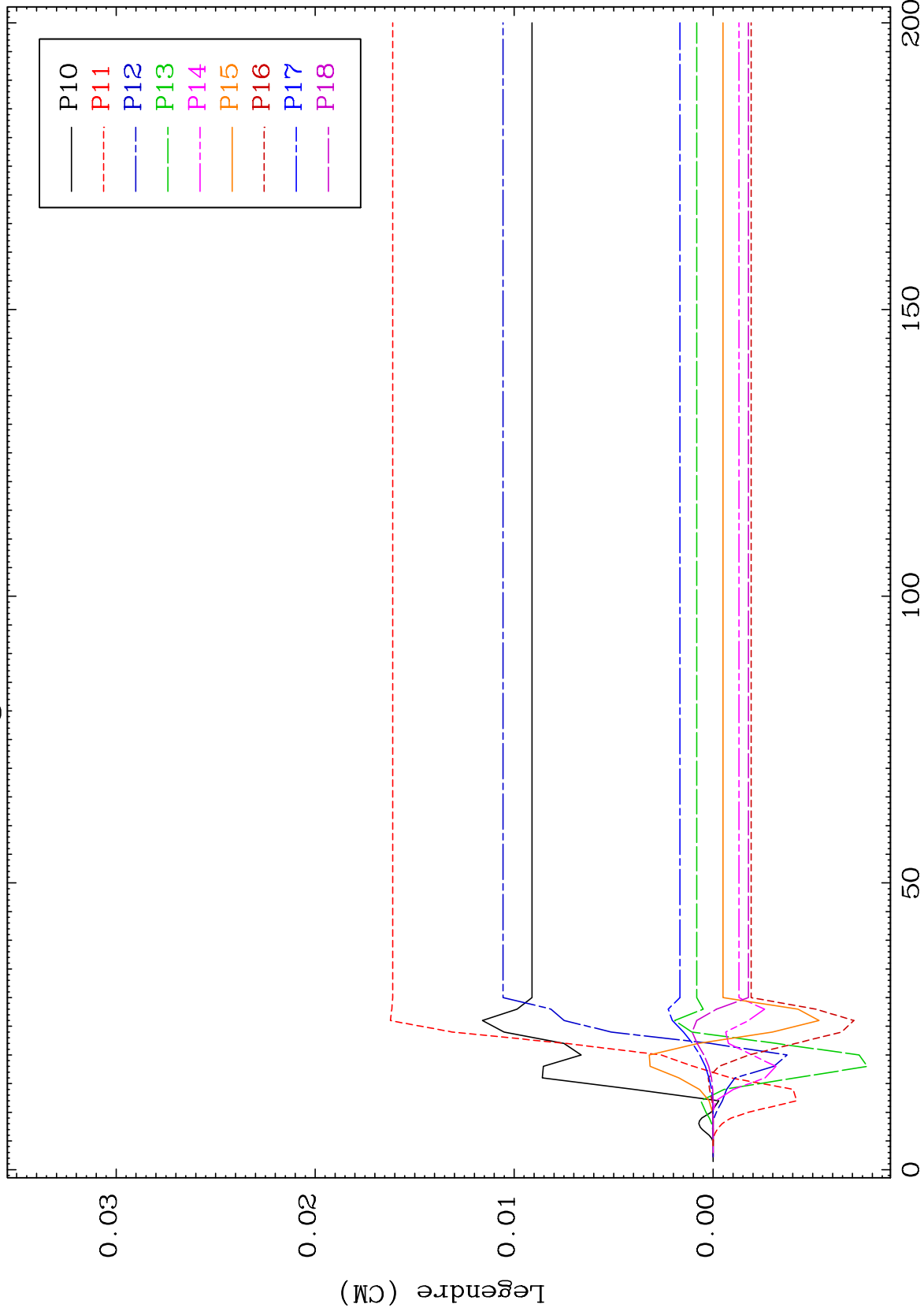
Legendre Coefficients



MAT 6304

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

63-Eu-144



66

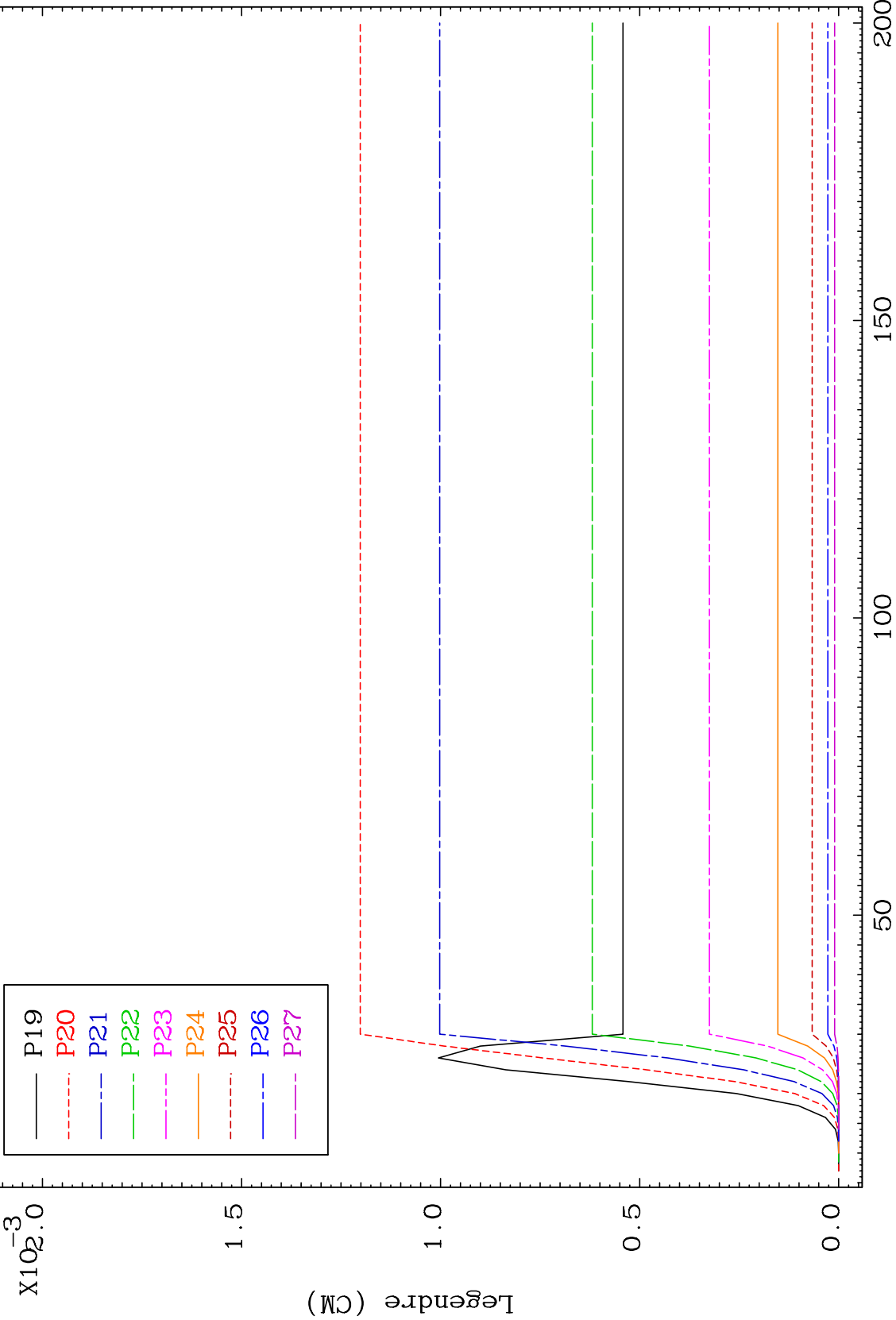
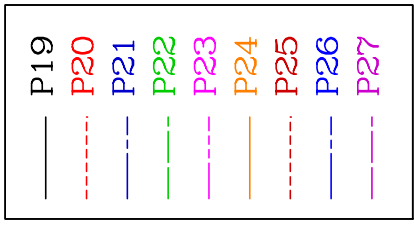
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



67

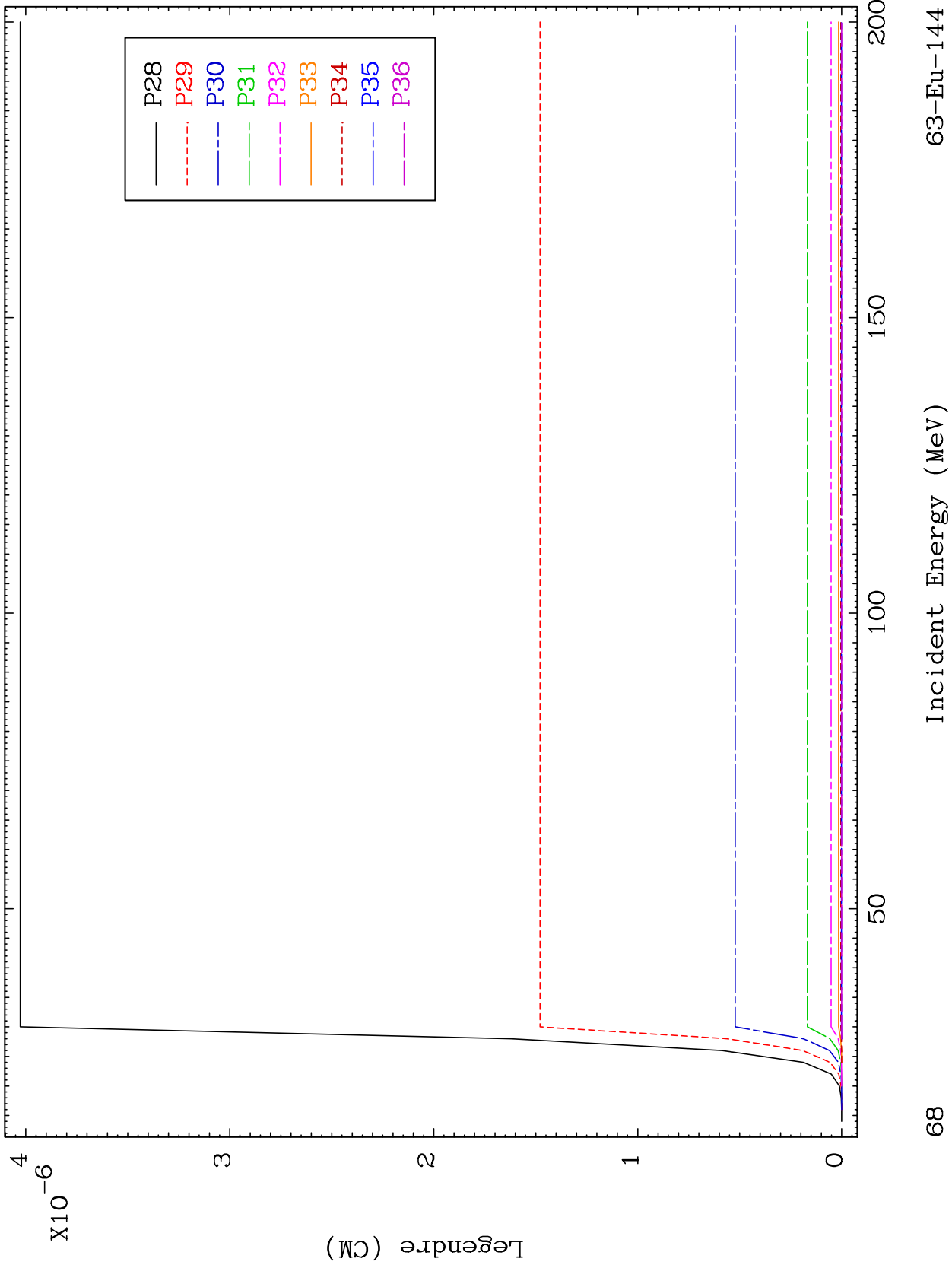
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

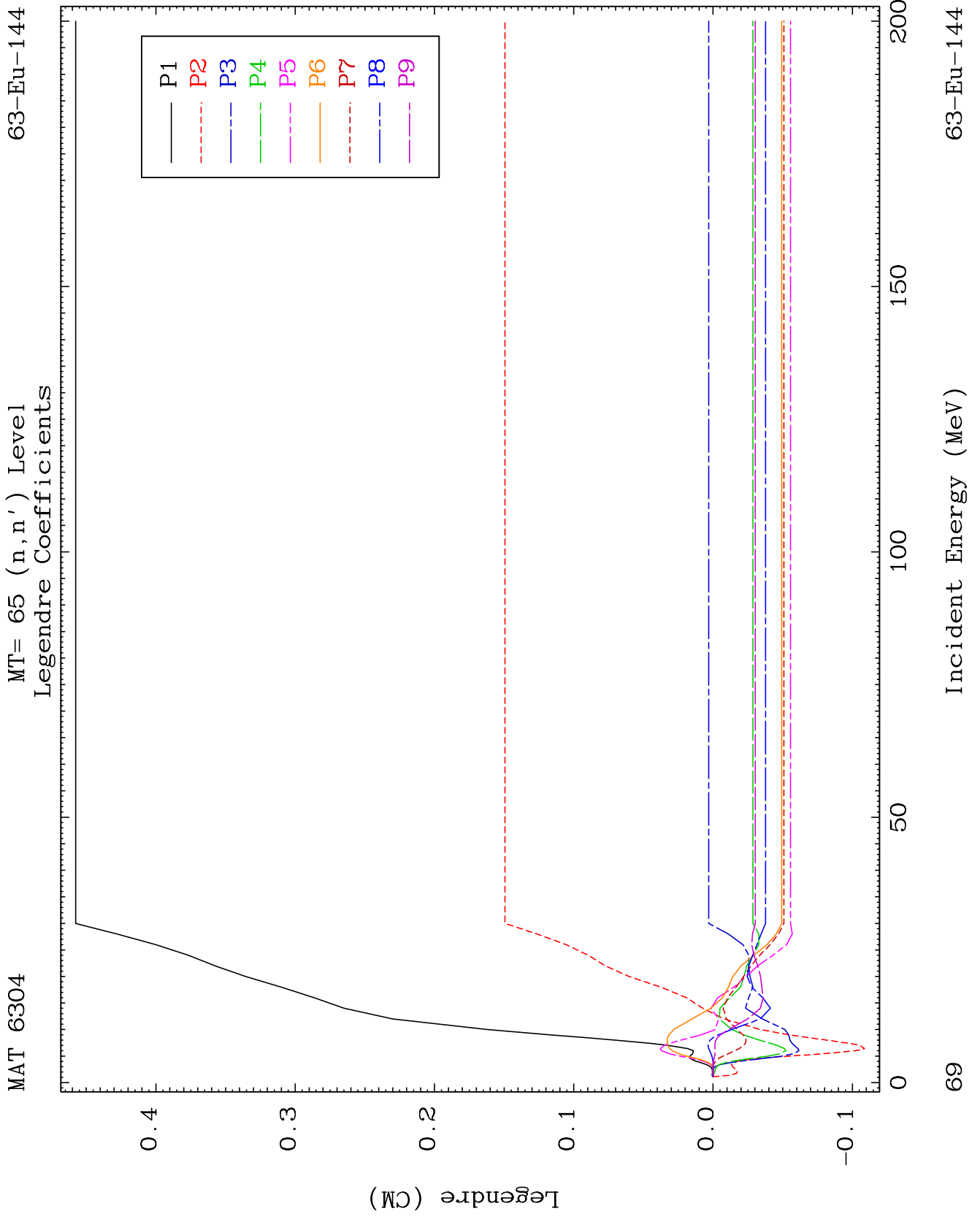
63-Eu-144

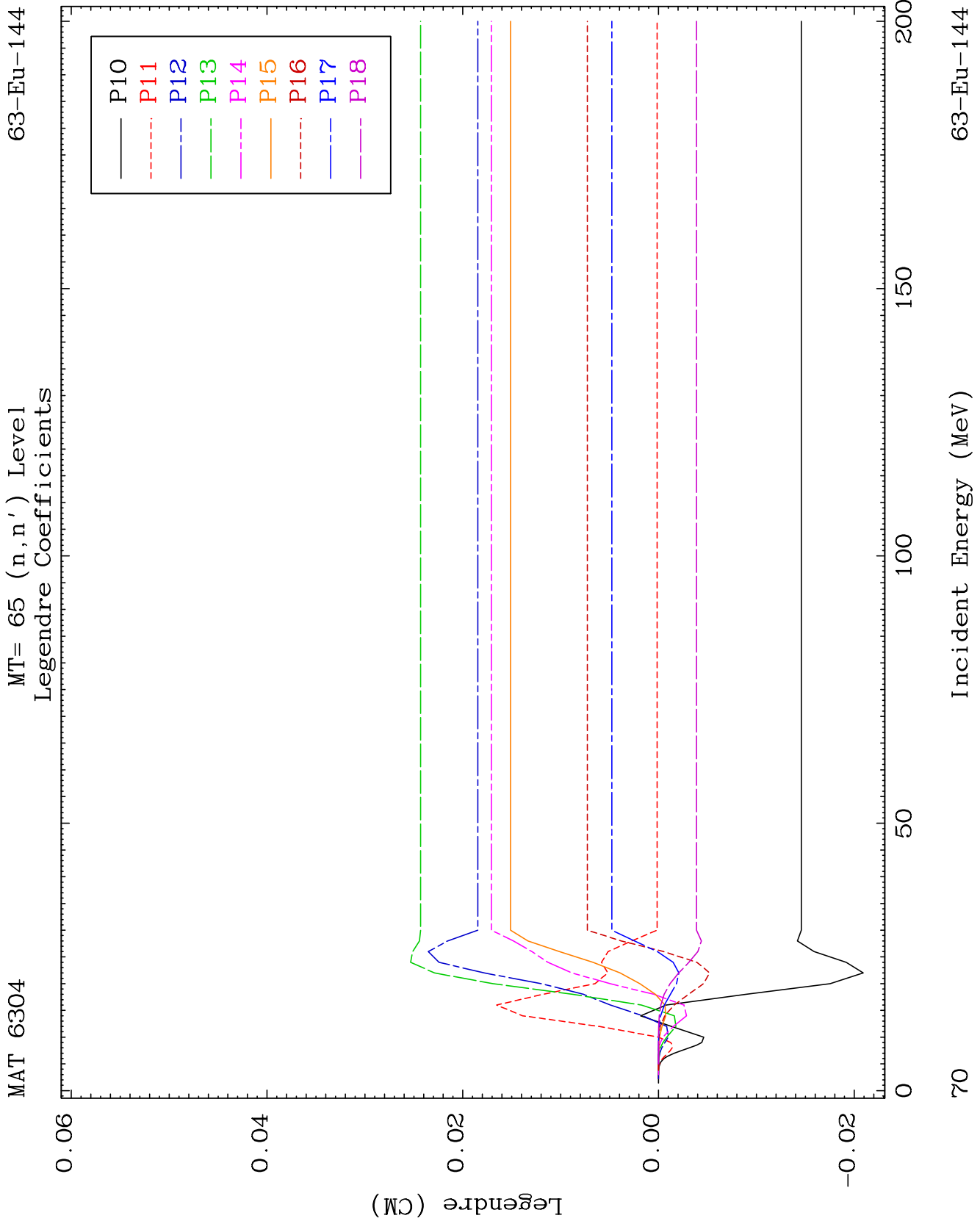


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Incident Energy (MeV)

63-Eu-144

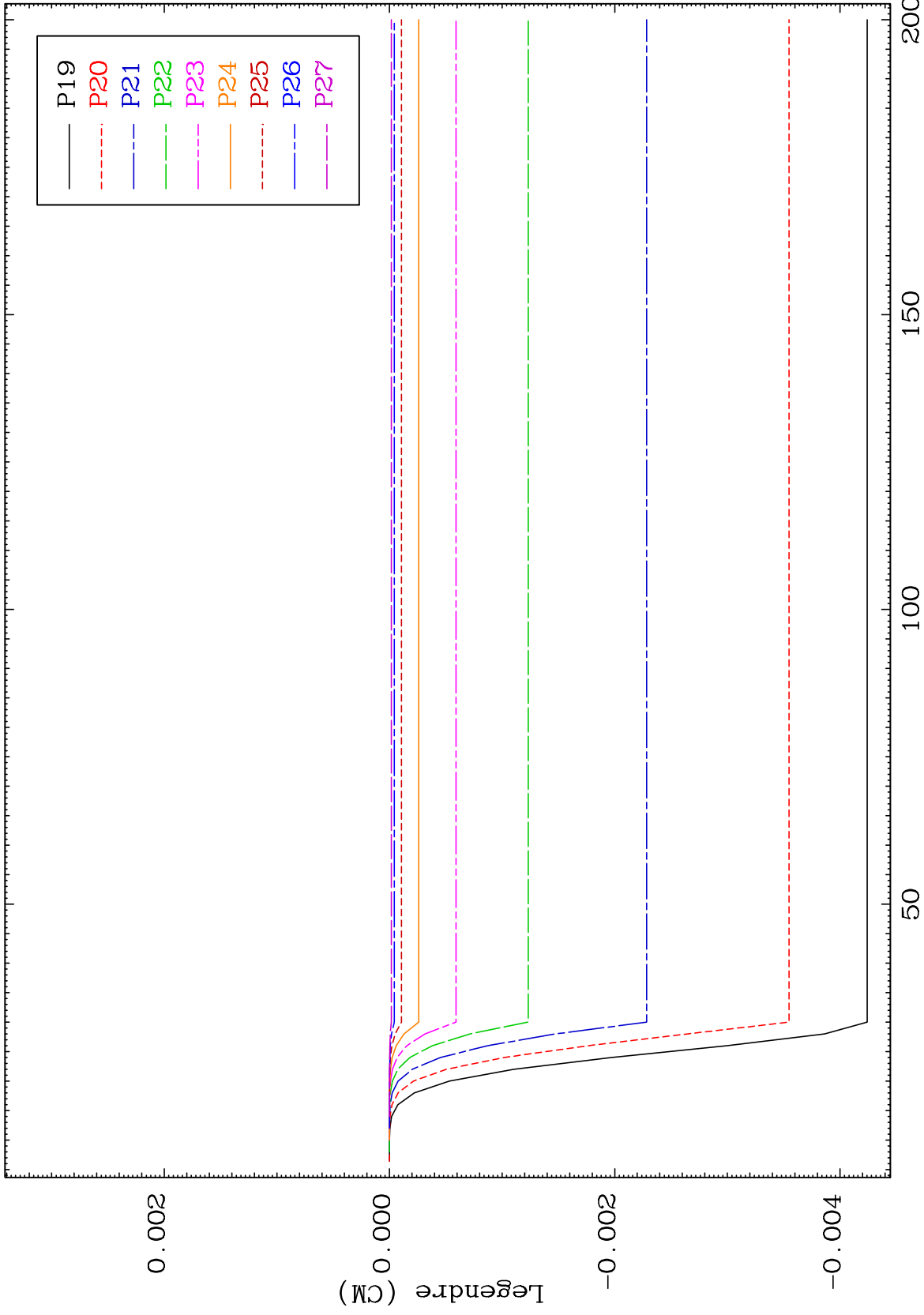




MAT 6304

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

63-Eu-144



71

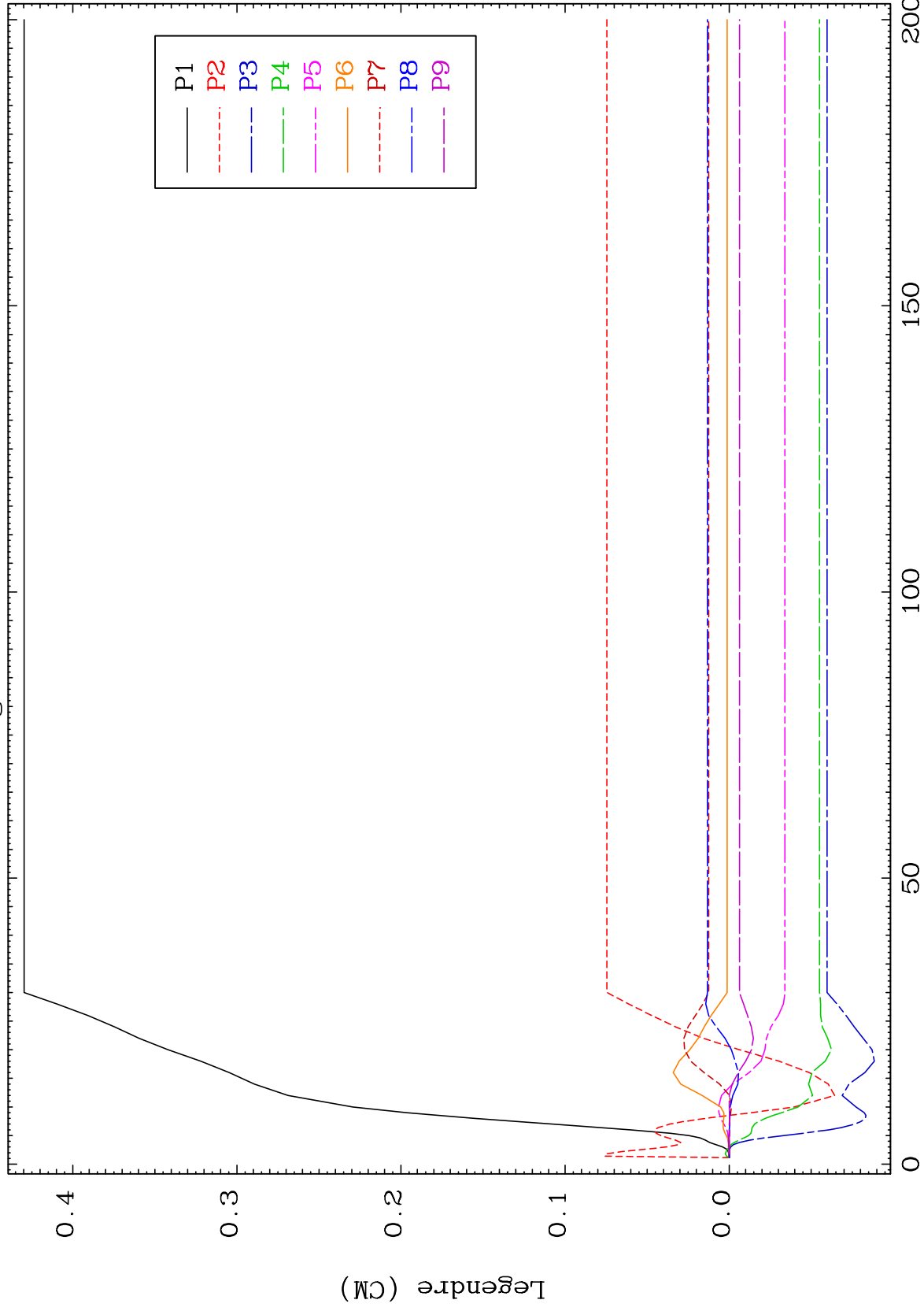
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



63-Eu-144

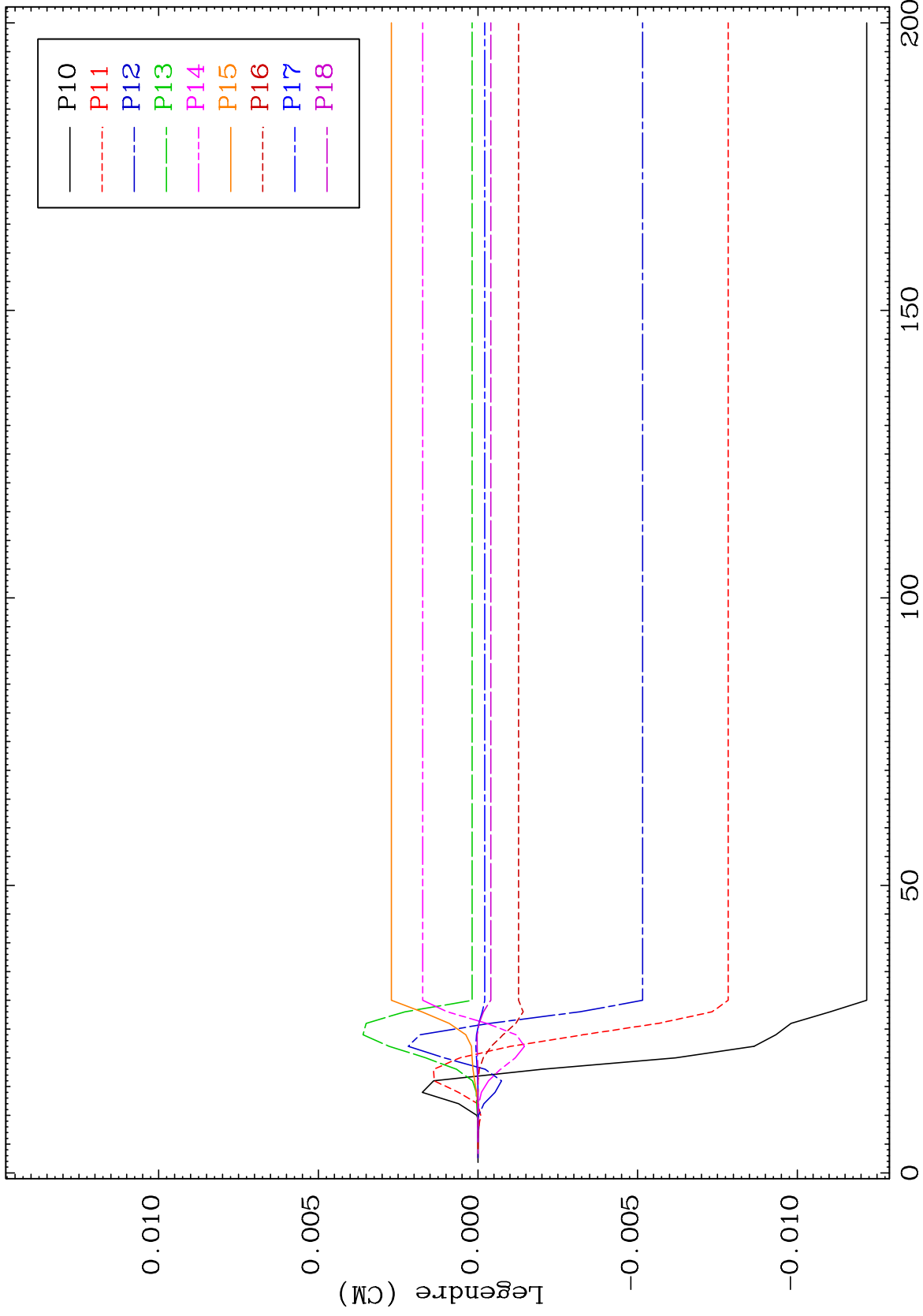
Incident Energy (MeV)

73

MAT 6304

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

63-Eu-144



74

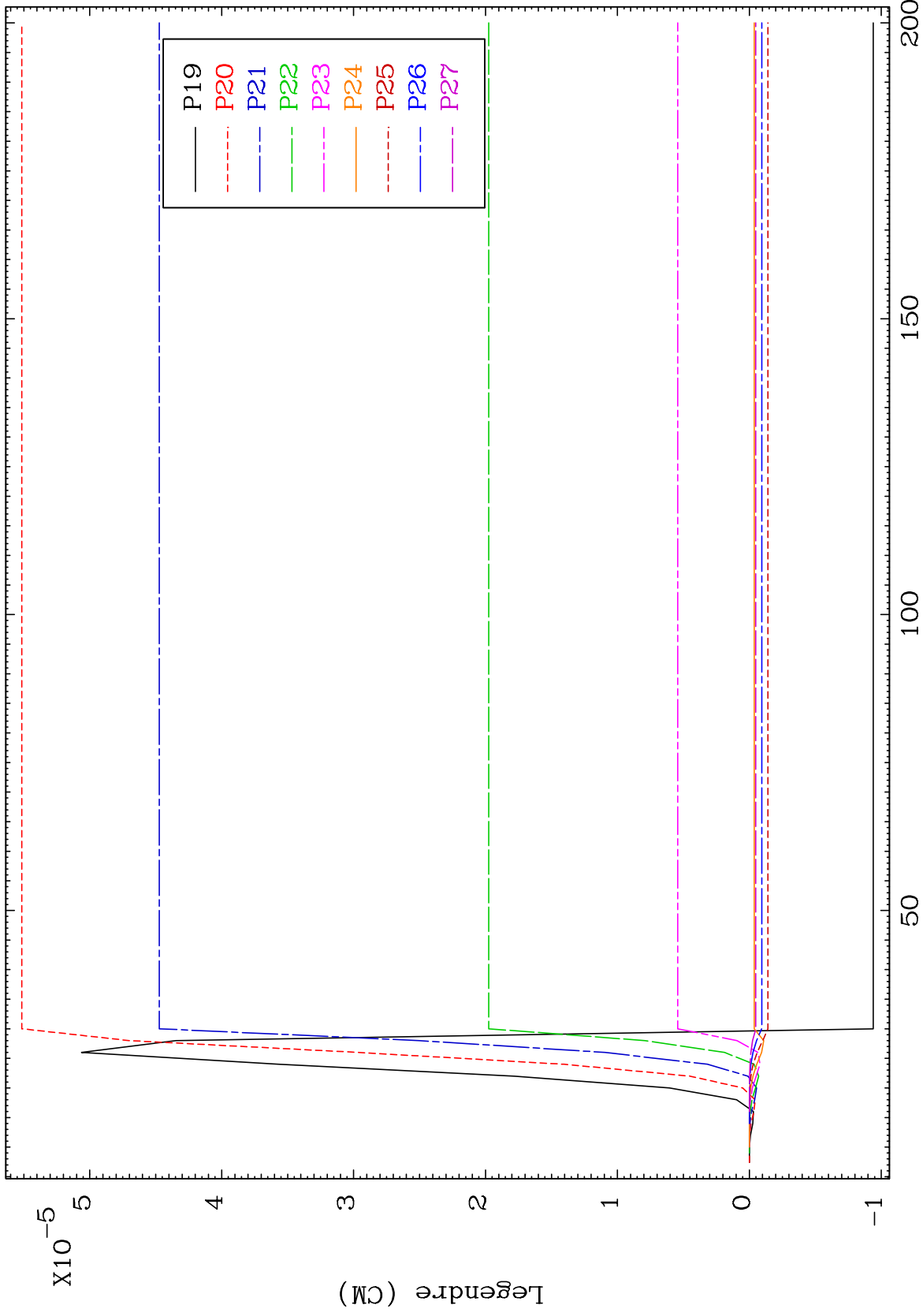
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



75

Incident Energy (MeV)

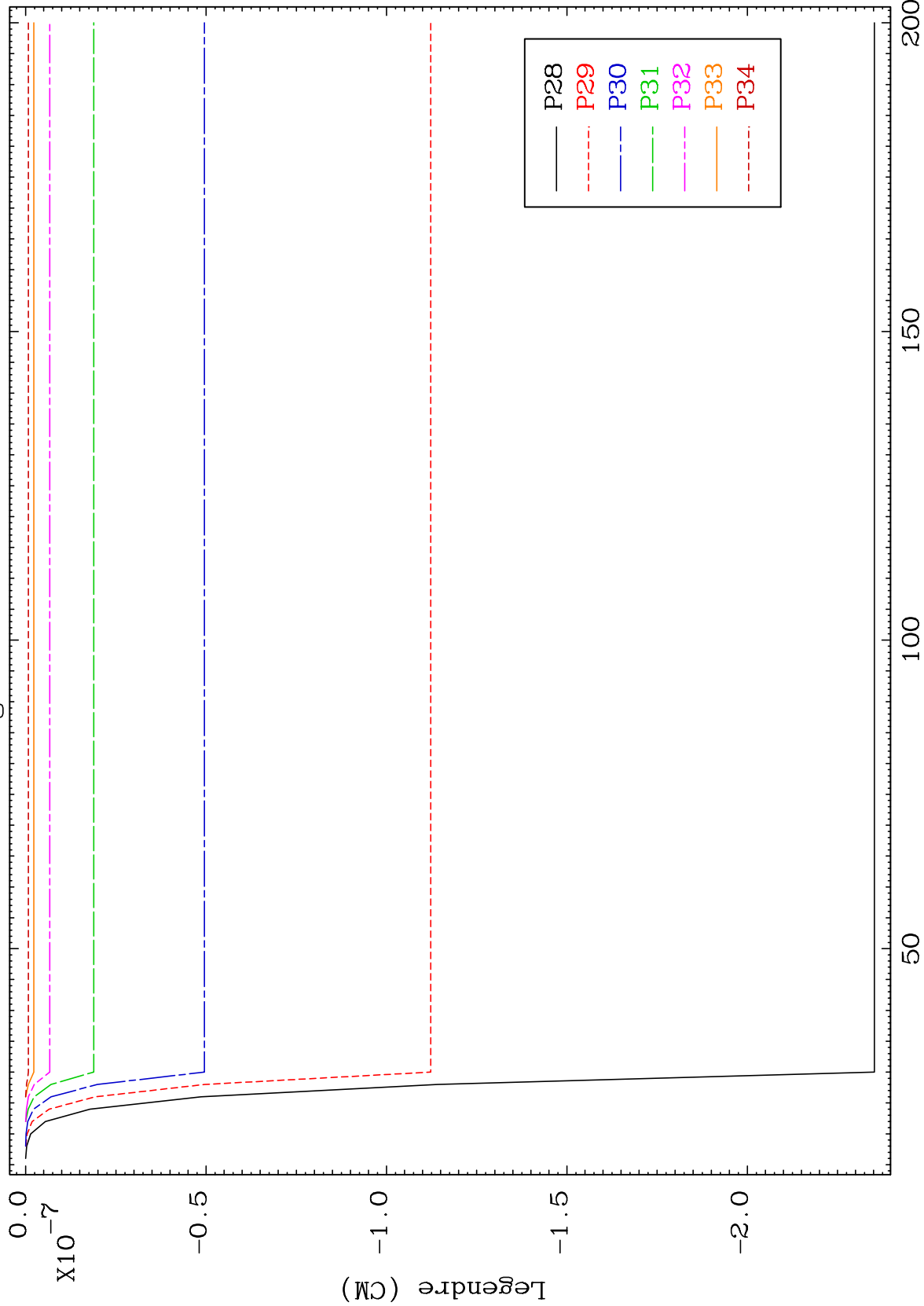
63-Eu-144

MAT 6304

MT= 66 (n,n') Level

63-Eu-144

Legendre Coefficients



76

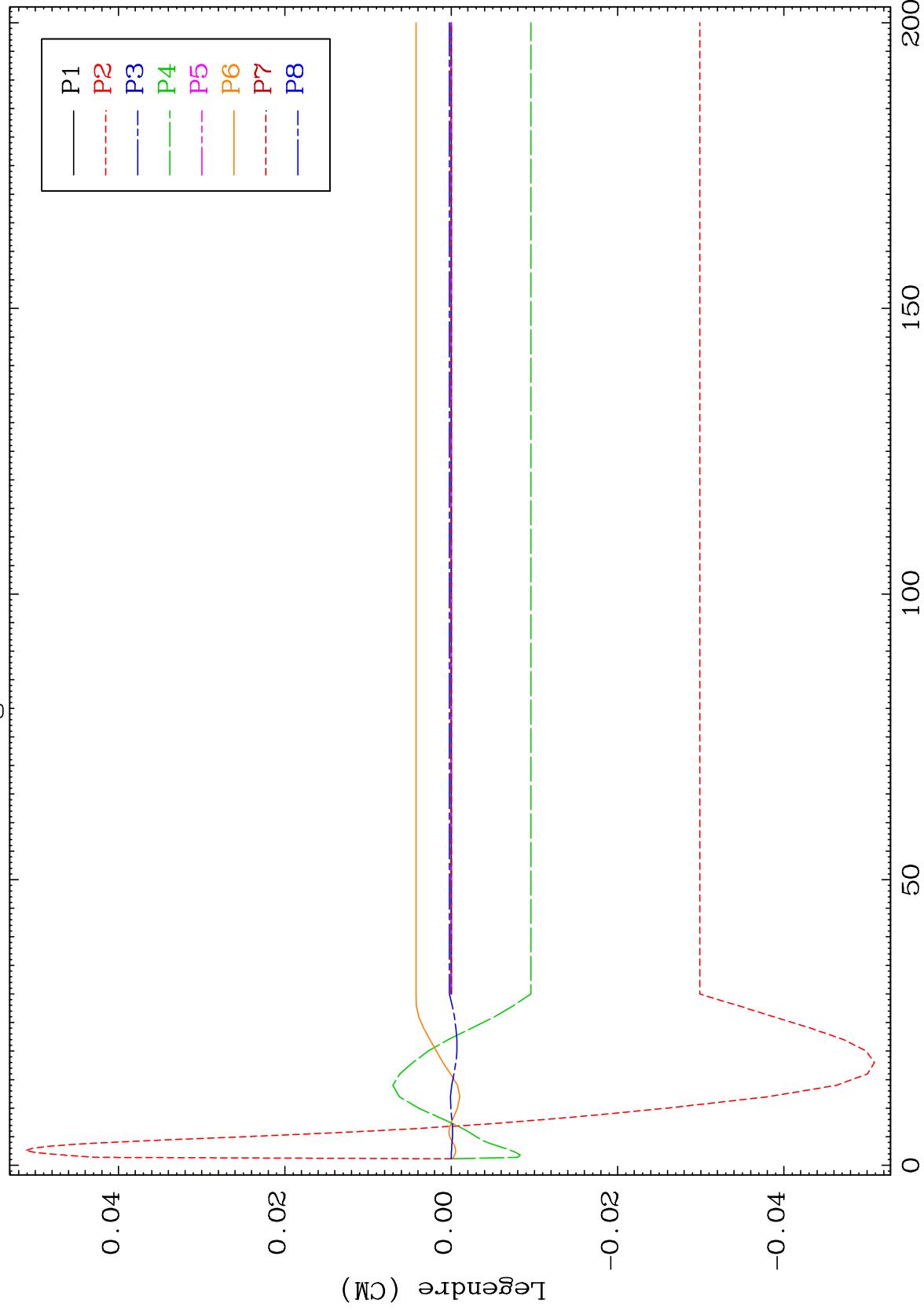
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



77

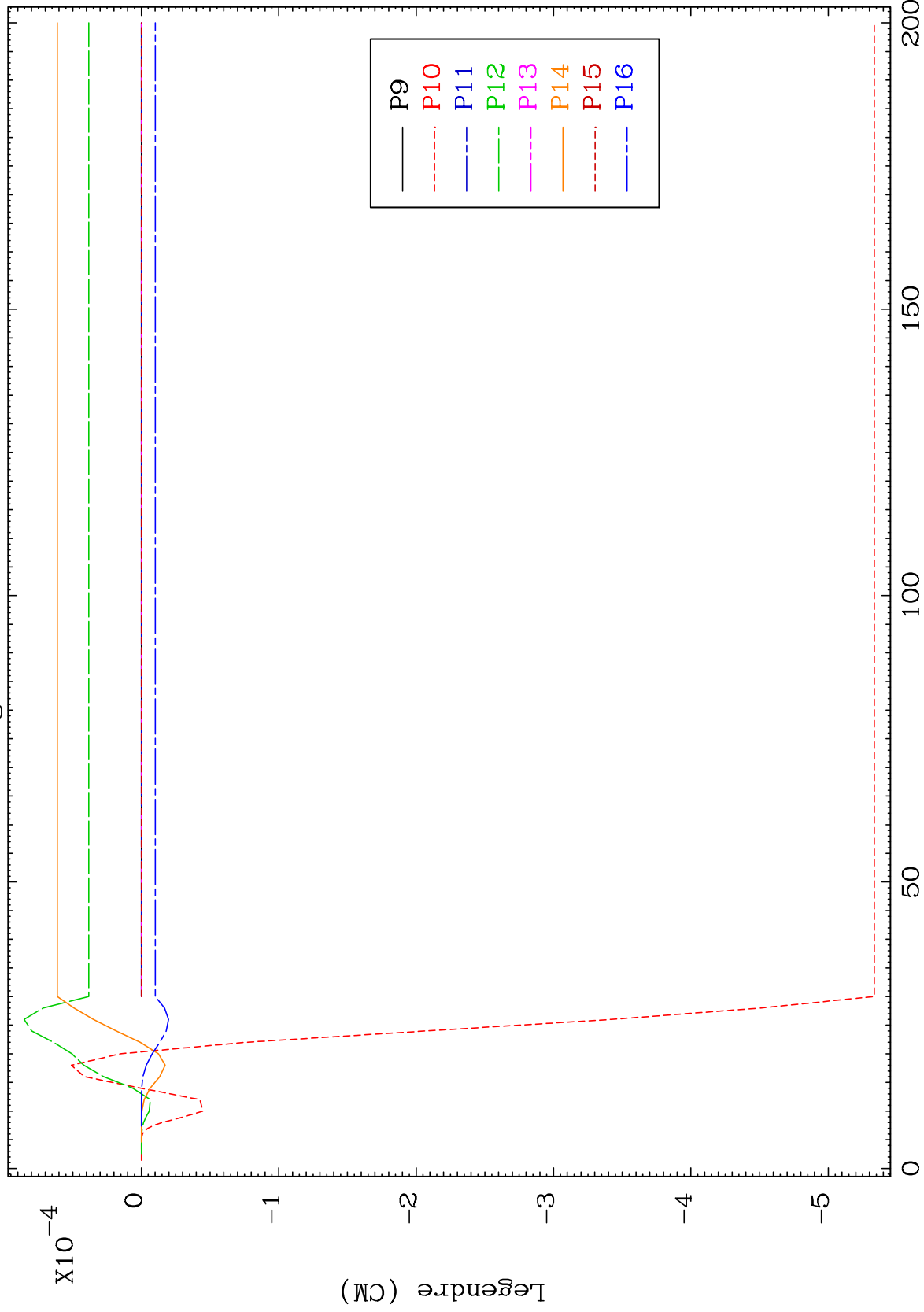
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

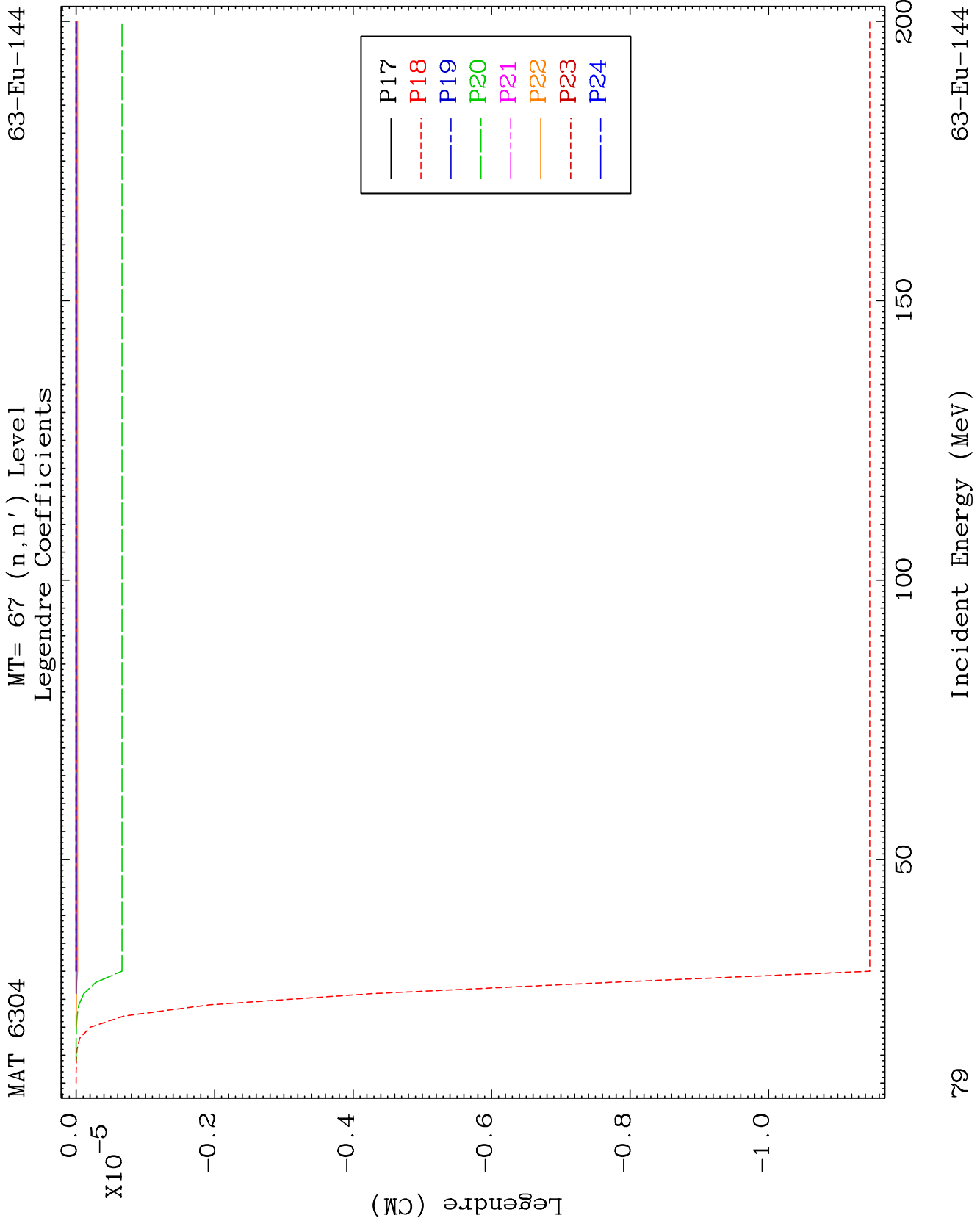
63-Eu-144

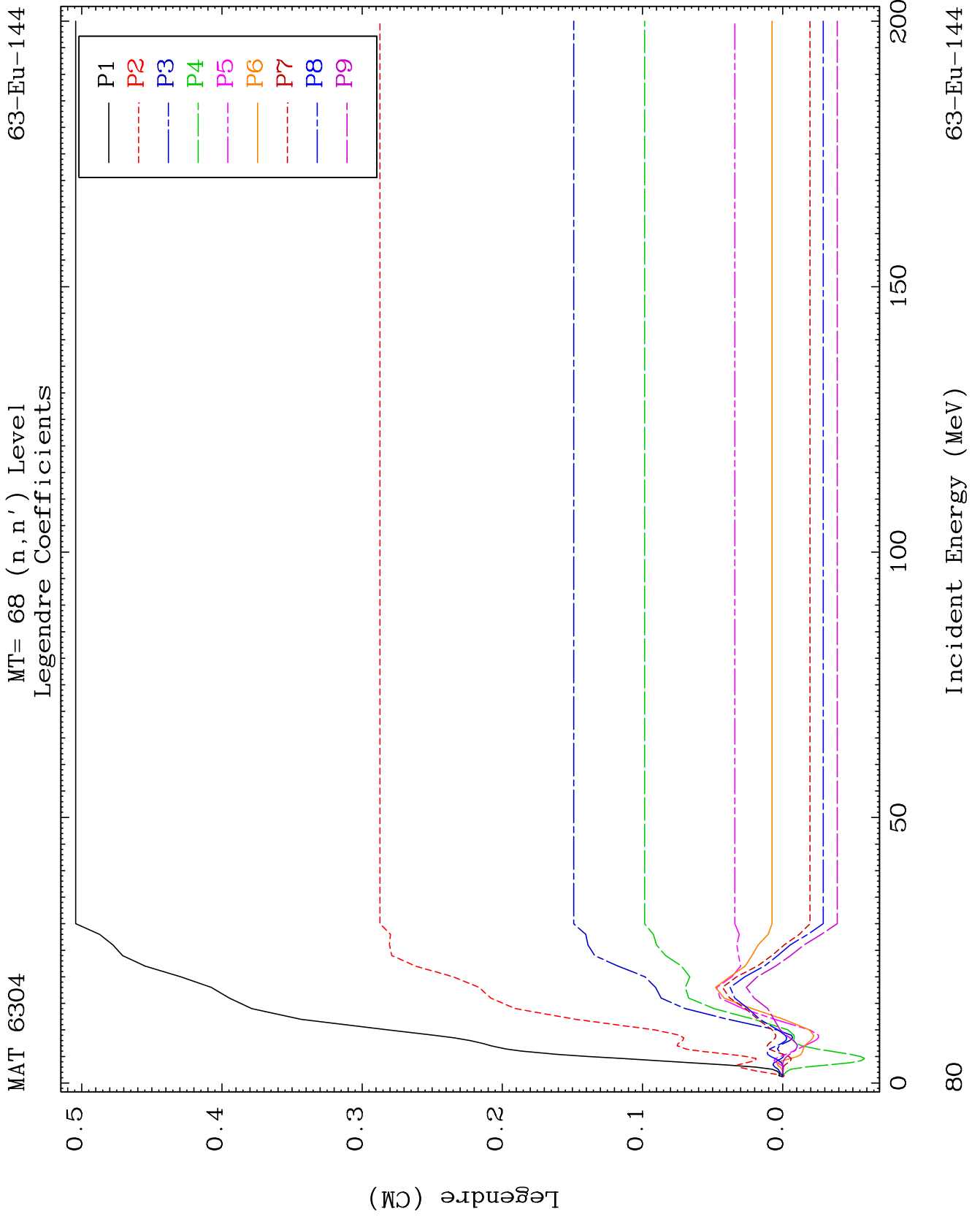


78

Incident Energy (MeV)

63-Eu-144

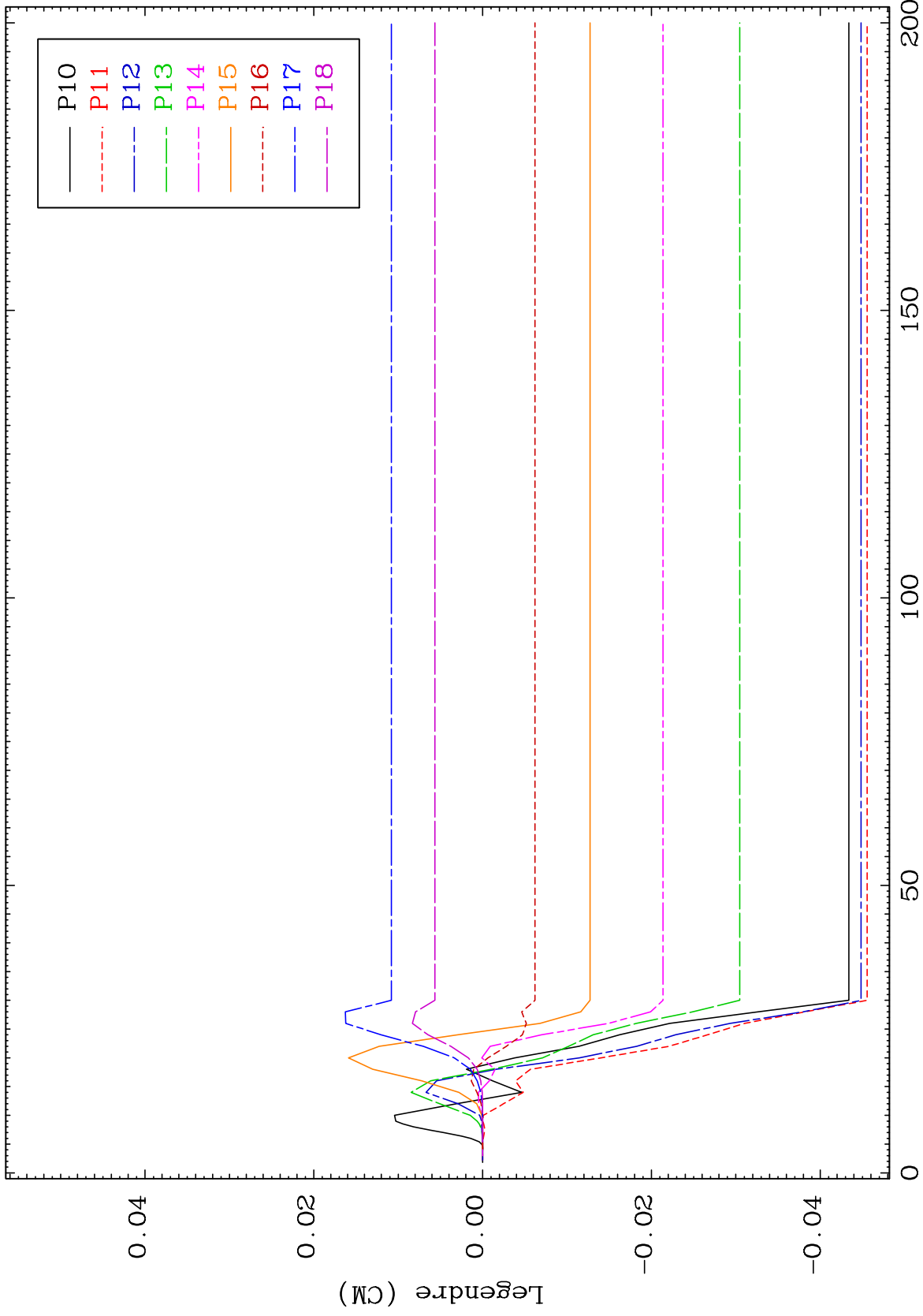




MAT 6304

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

63-Eu-144



81

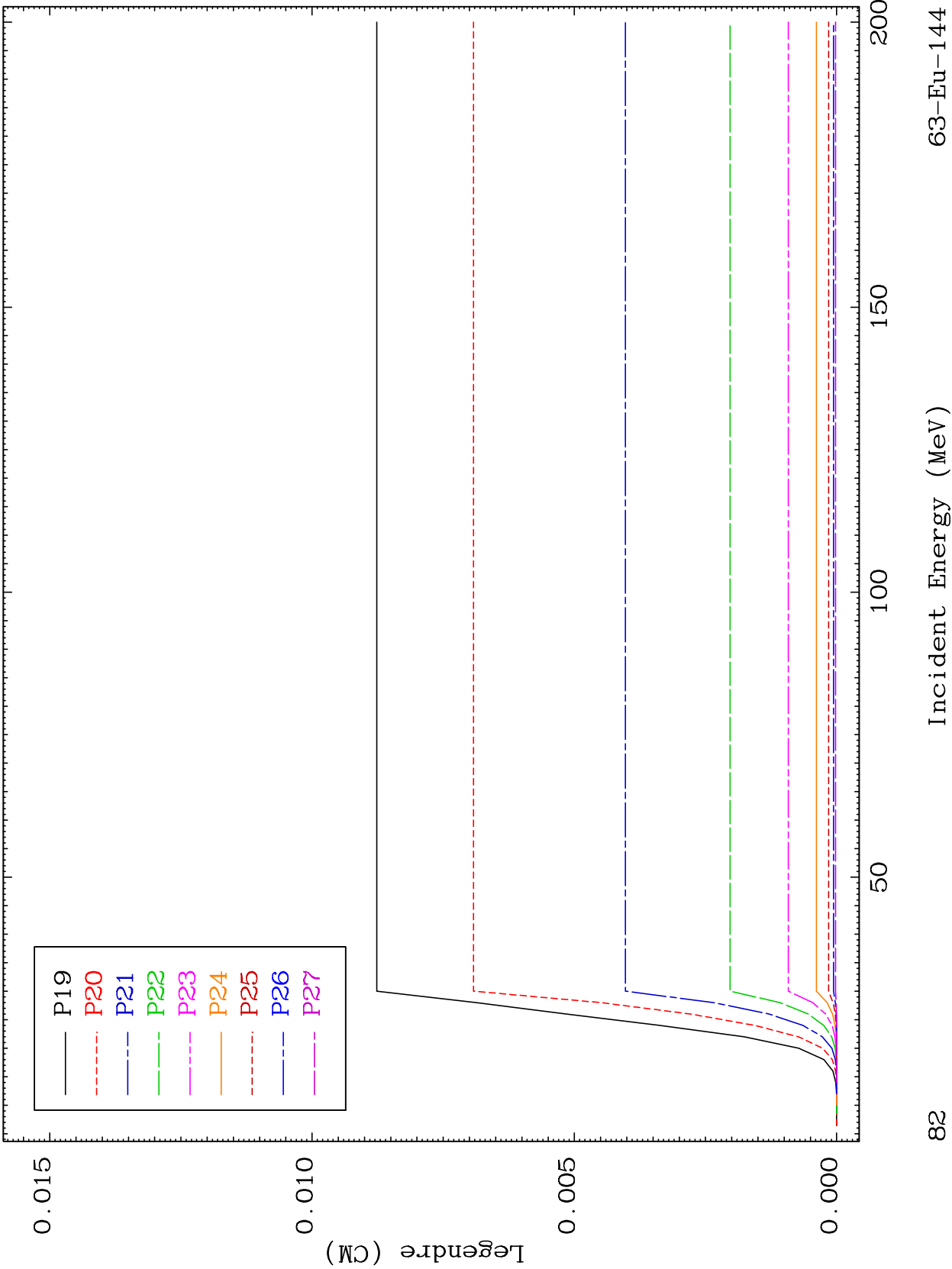
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



82

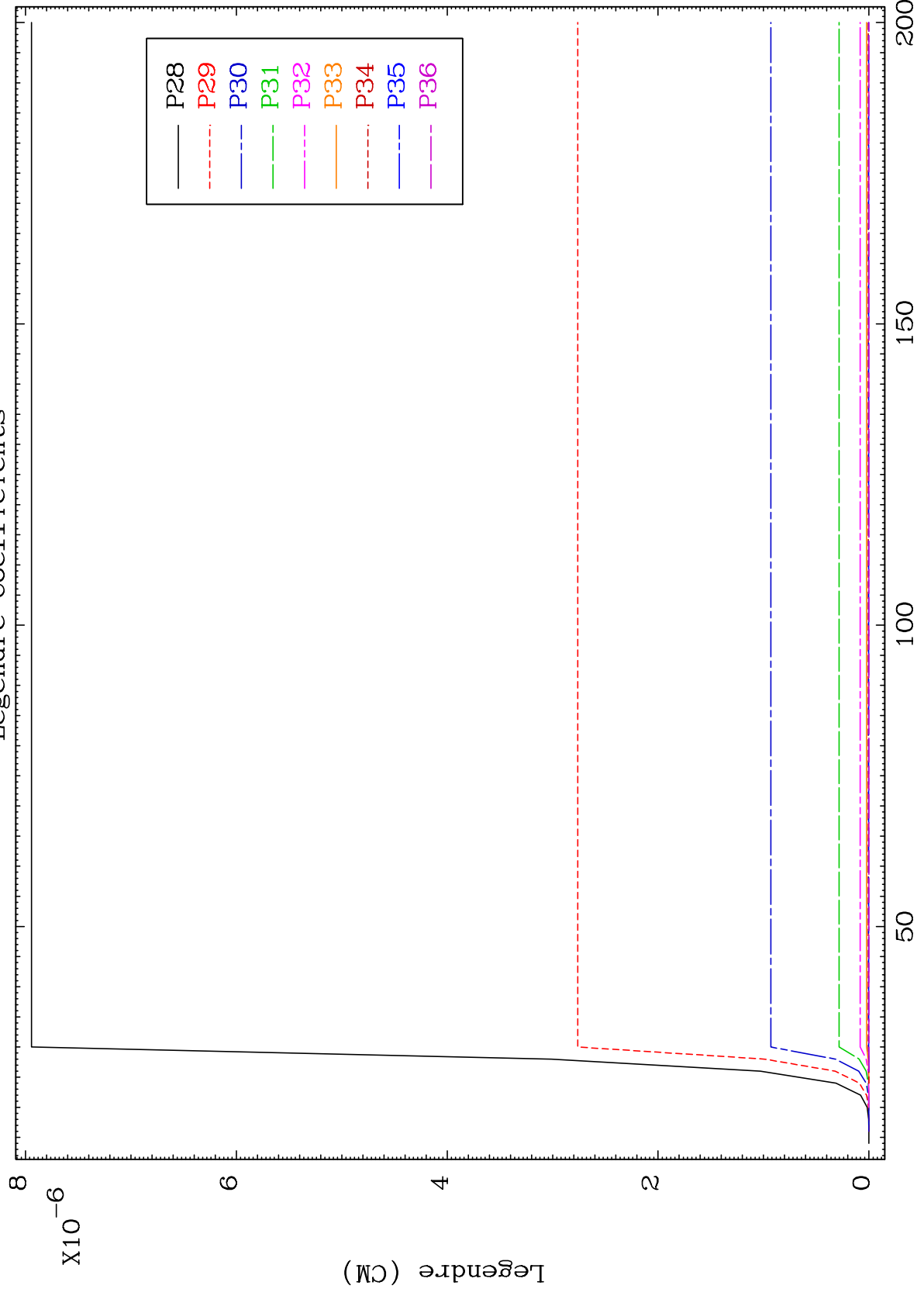
63-Eu-144

MAT 6304

MT= 68 (n,n') Level

63-Eu-144

Legendre Coefficients



63-Eu-144

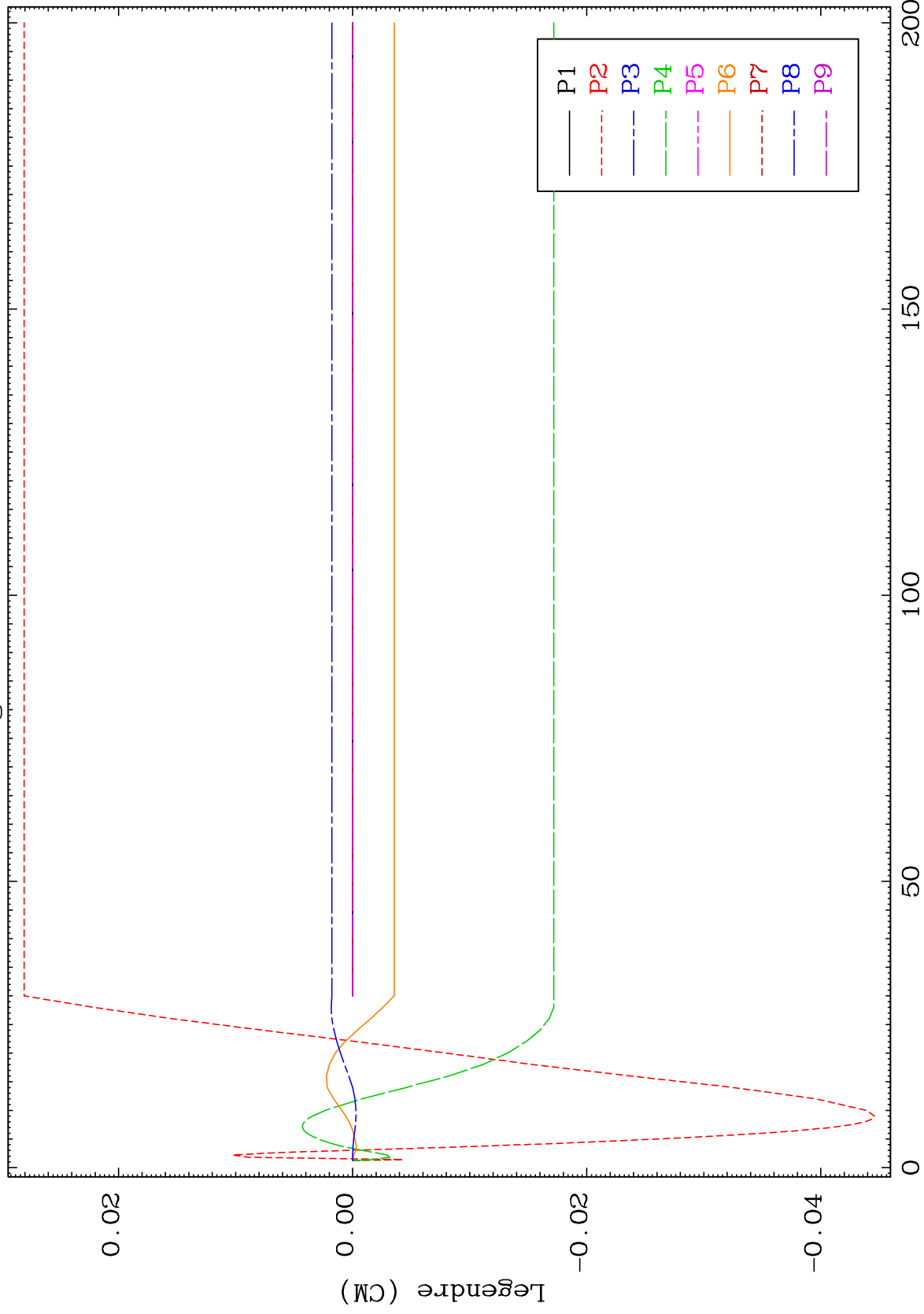
Incident Energy (MeV)

83

MAT 6304

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

63-Eu-144



84

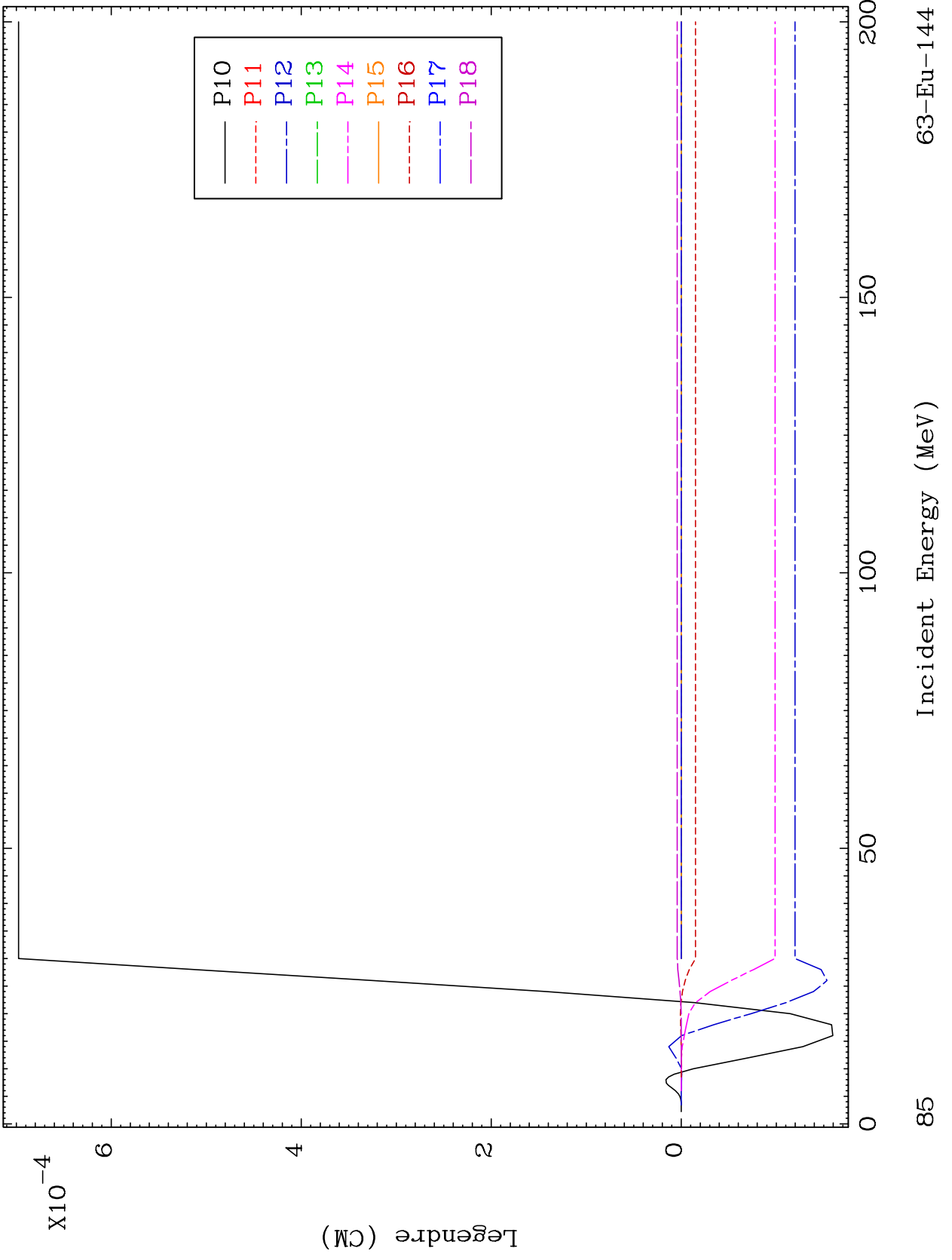
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

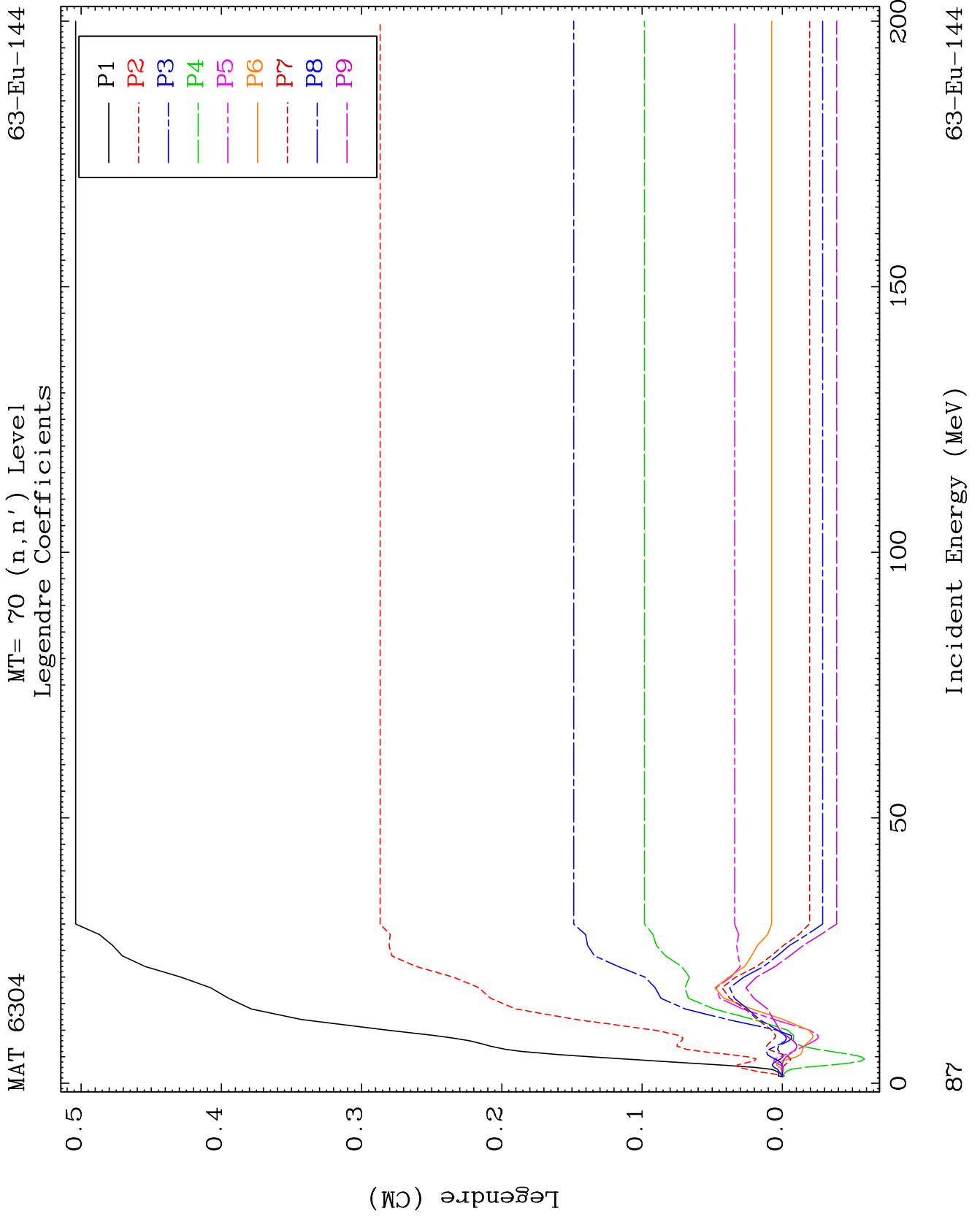
63-Eu-144



63-Eu-144

Incident Energy (MeV)

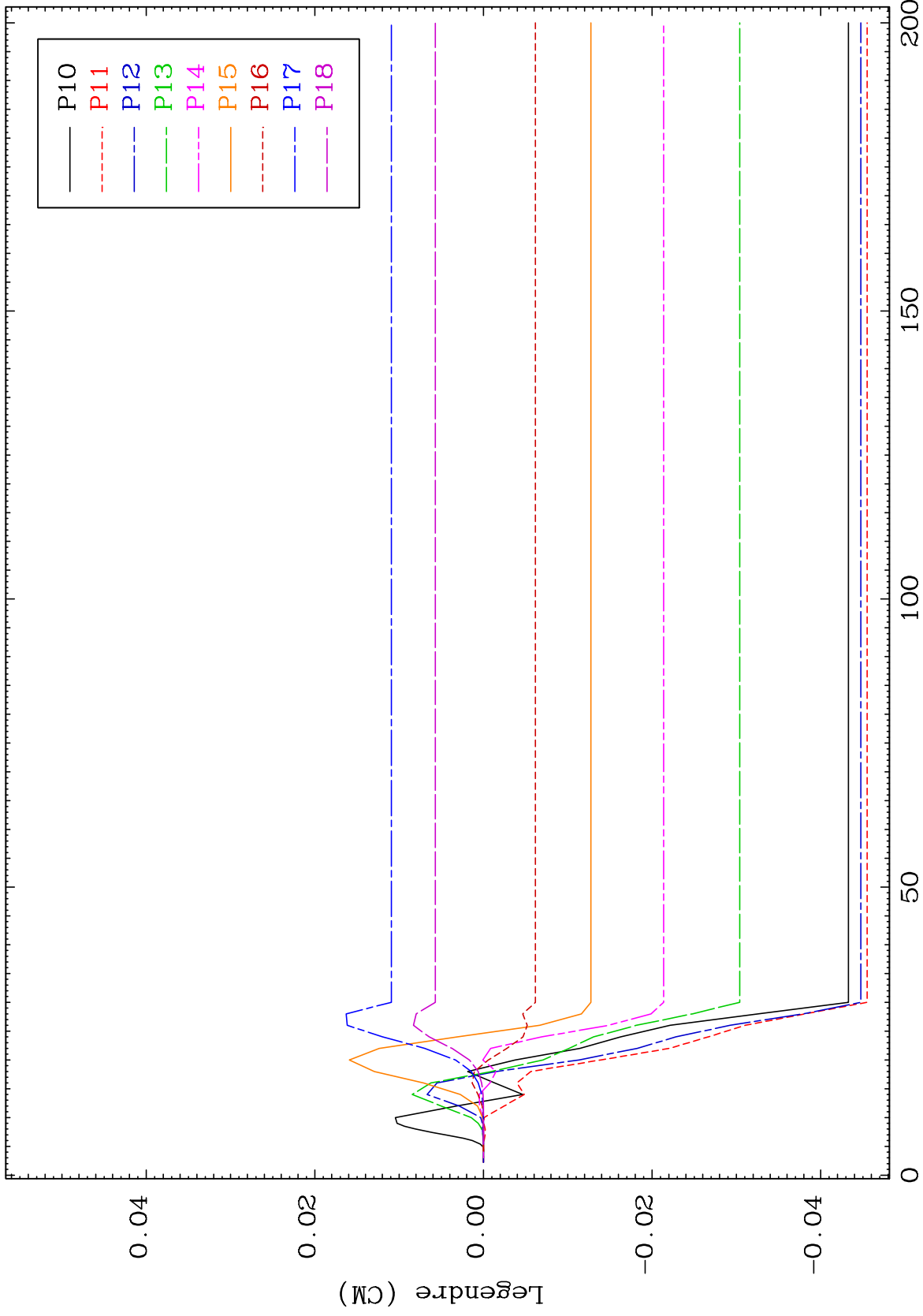
85



MAT 6304

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

63-Eu-144



88

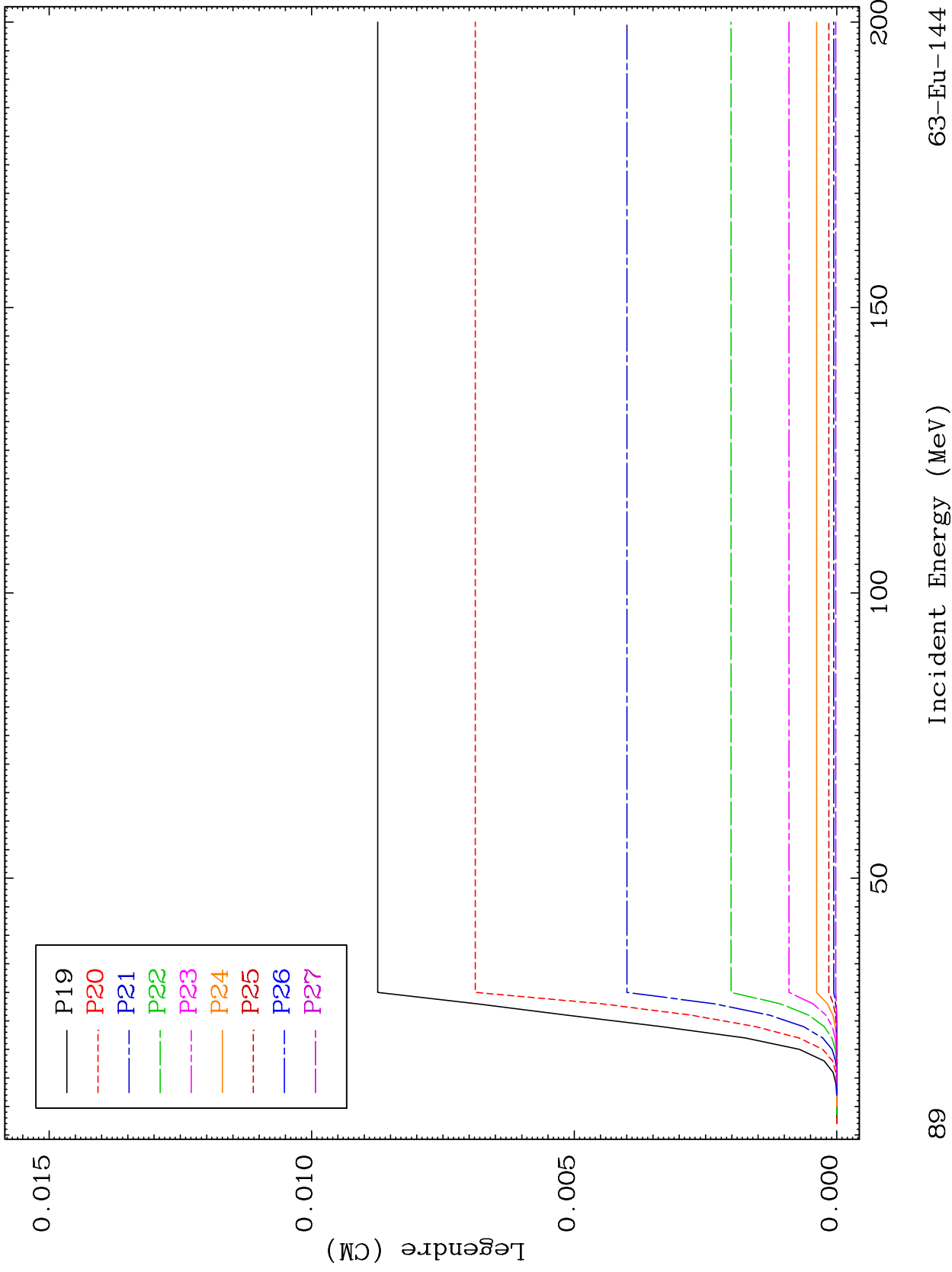
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



89

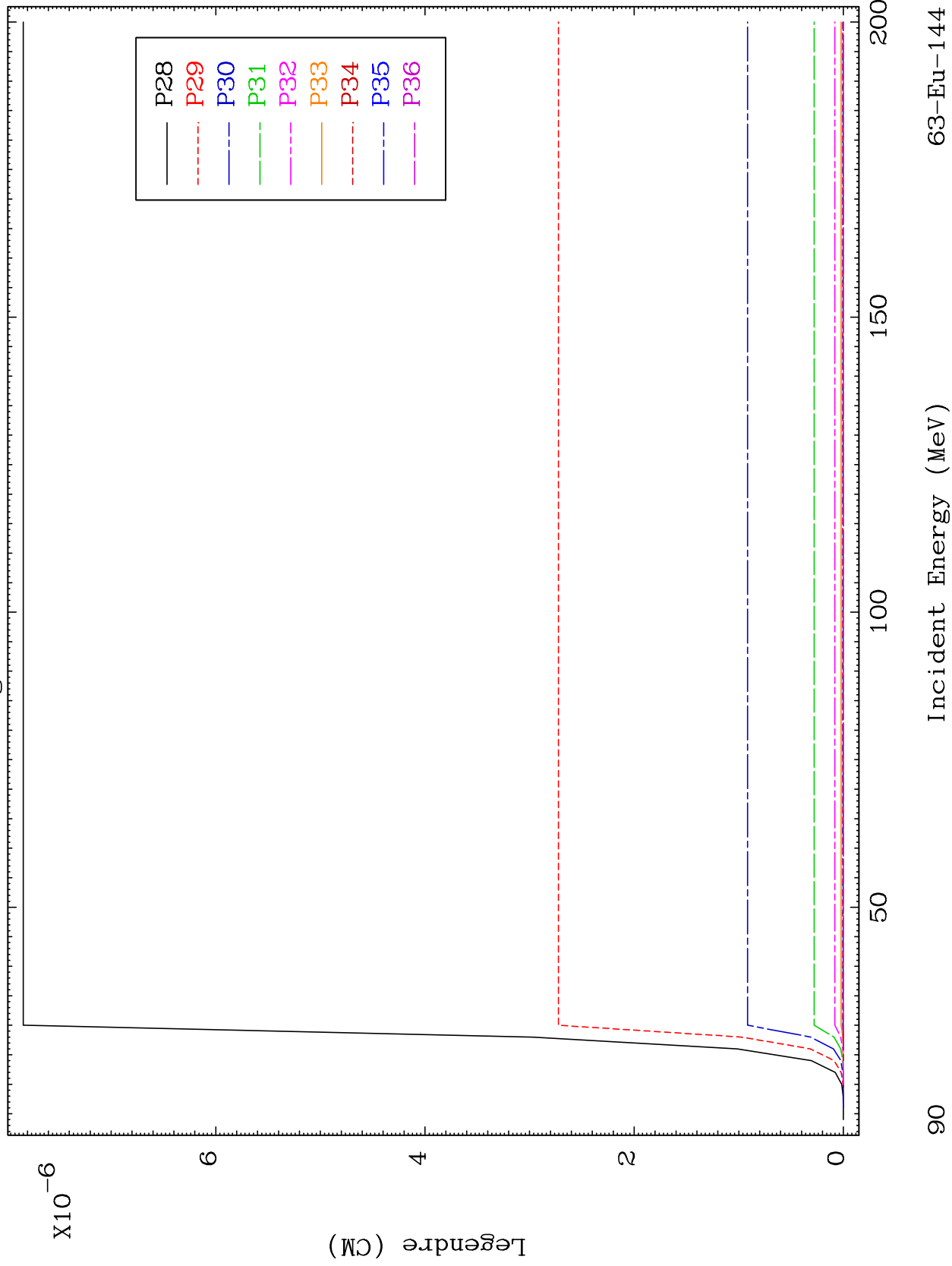
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

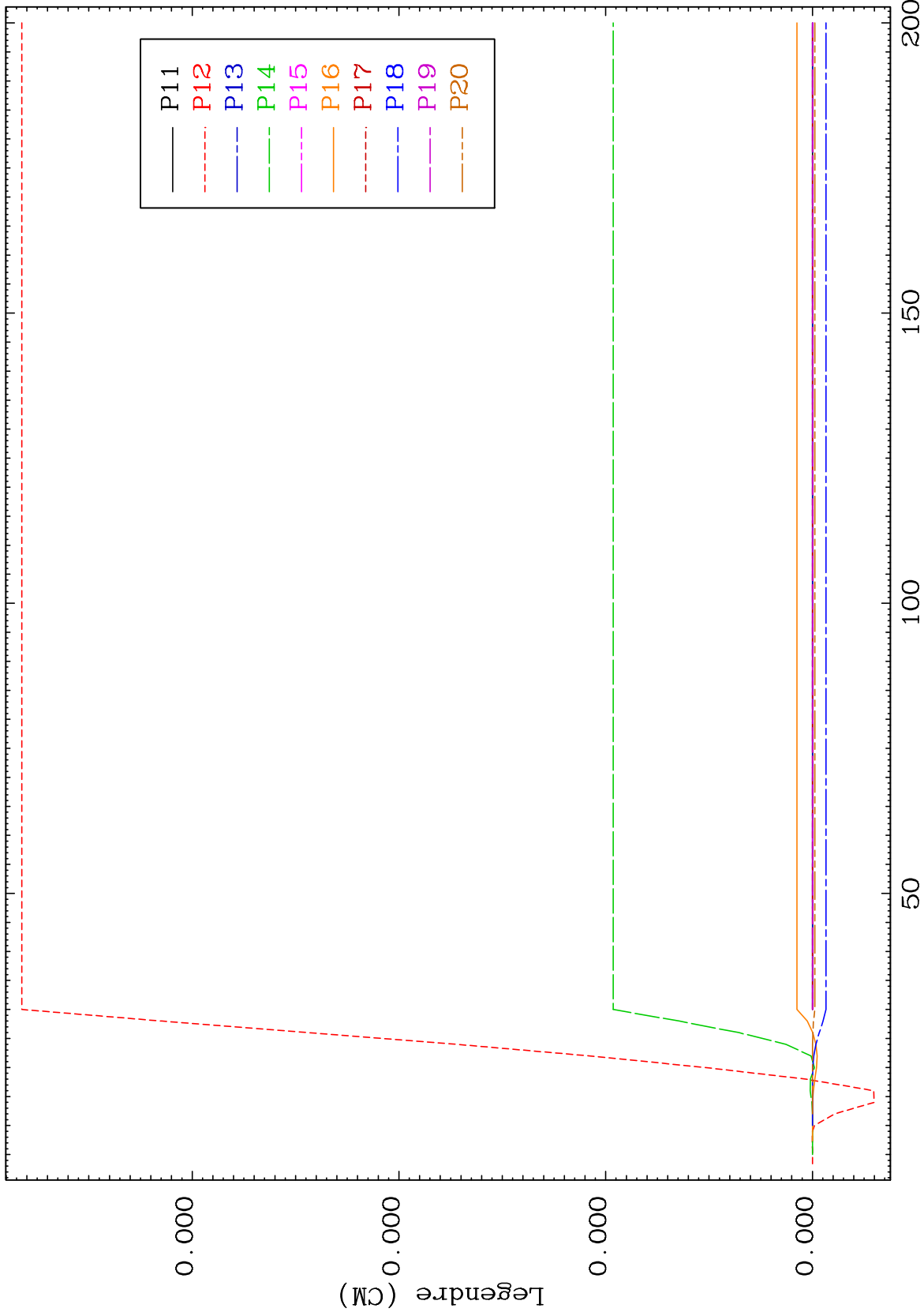
63-Eu-144



MAT 6304

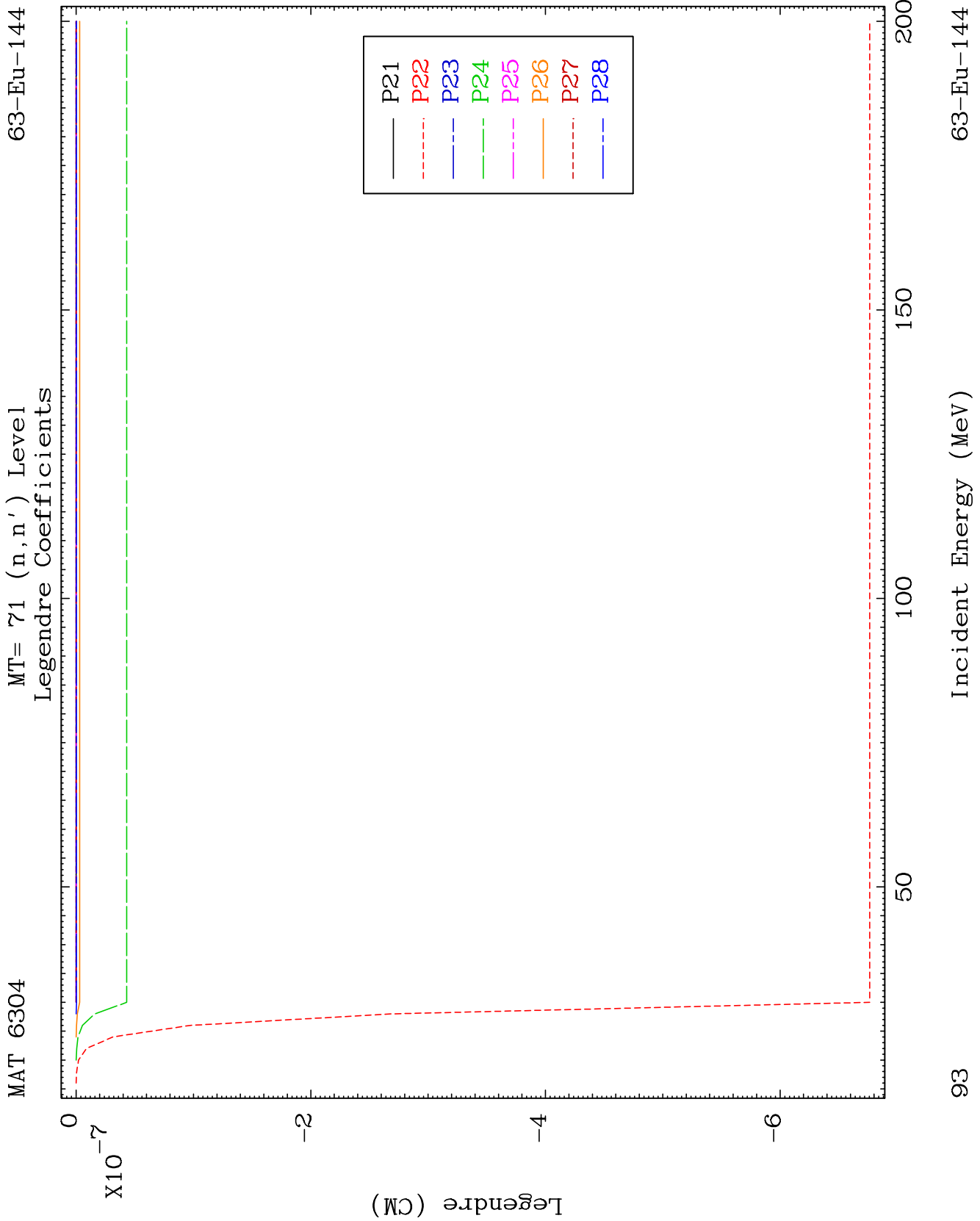
MT= 71 (n,n') Level
Legendre Coefficients

63-Eu-144



92

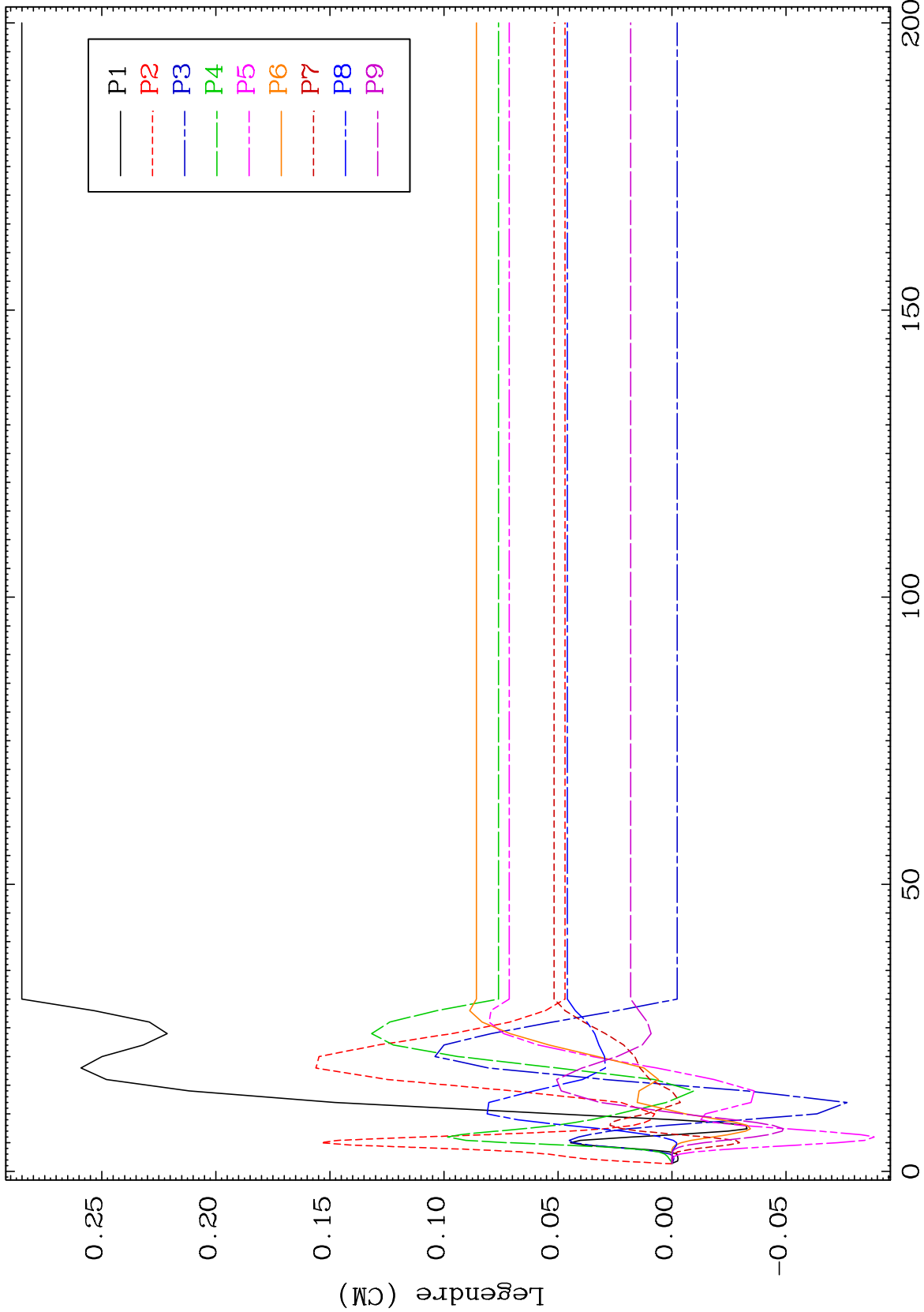
63-Eu-144



MAT 6304

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

63-Eu-144



94

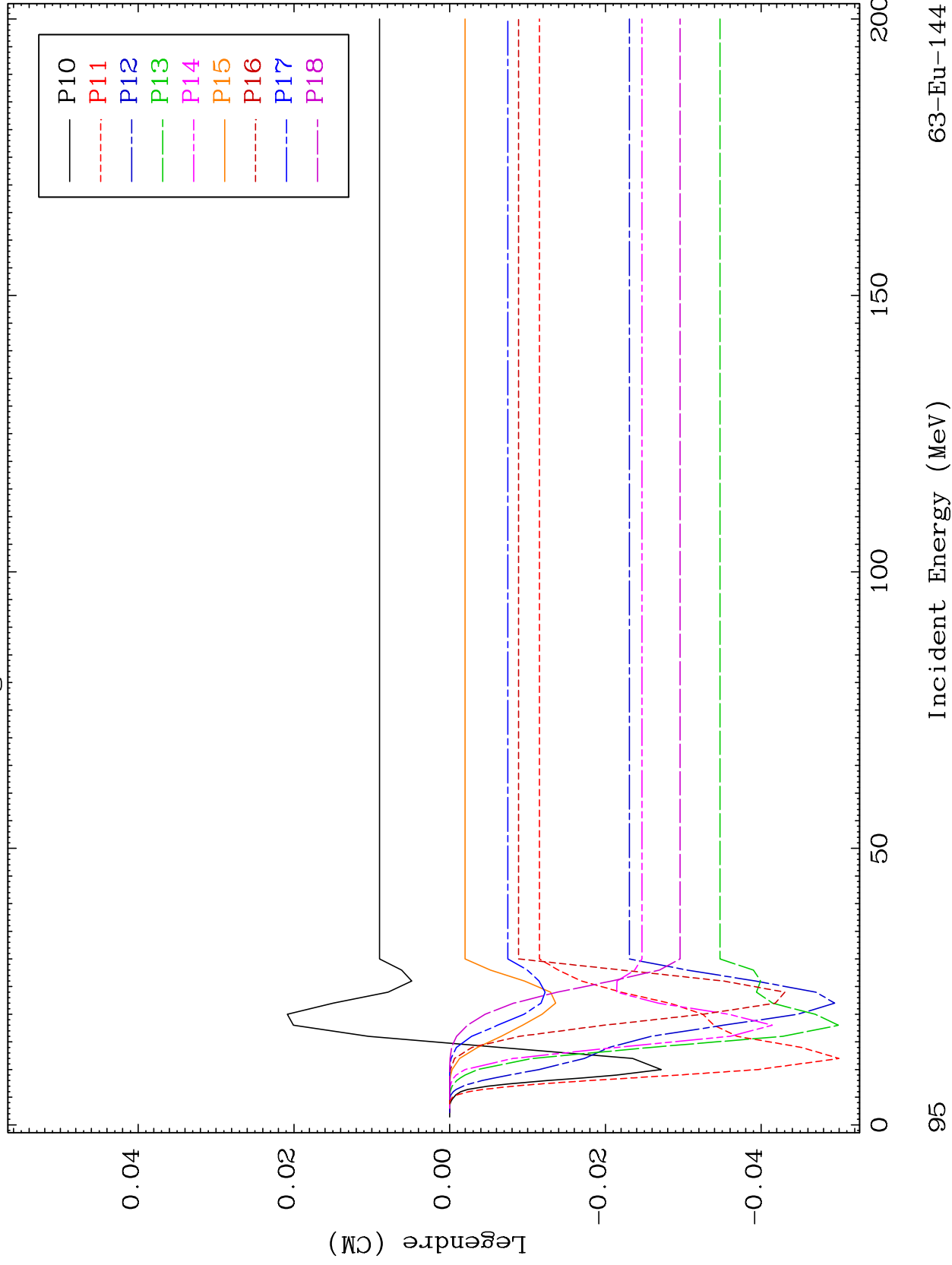
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

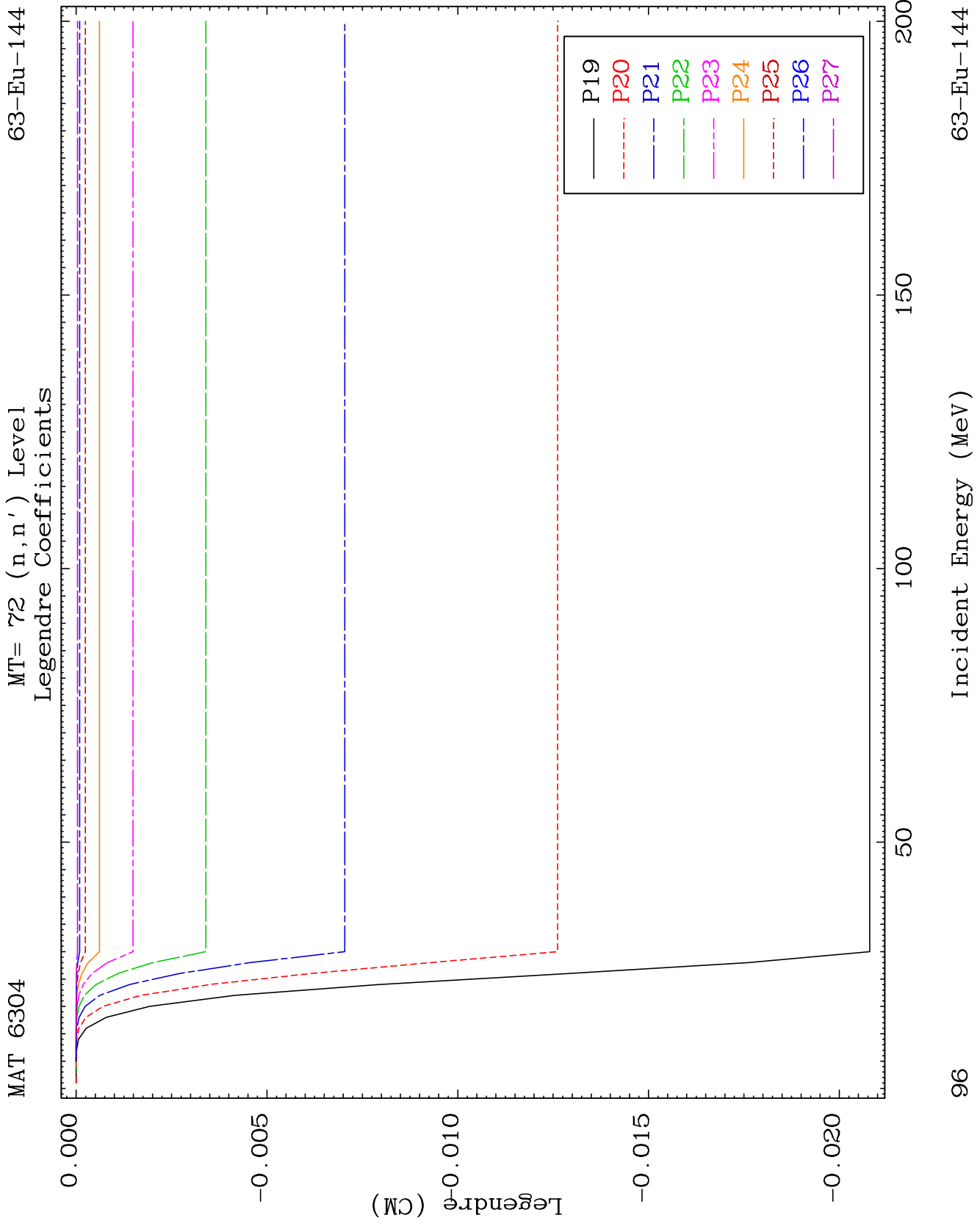
63-Eu-144

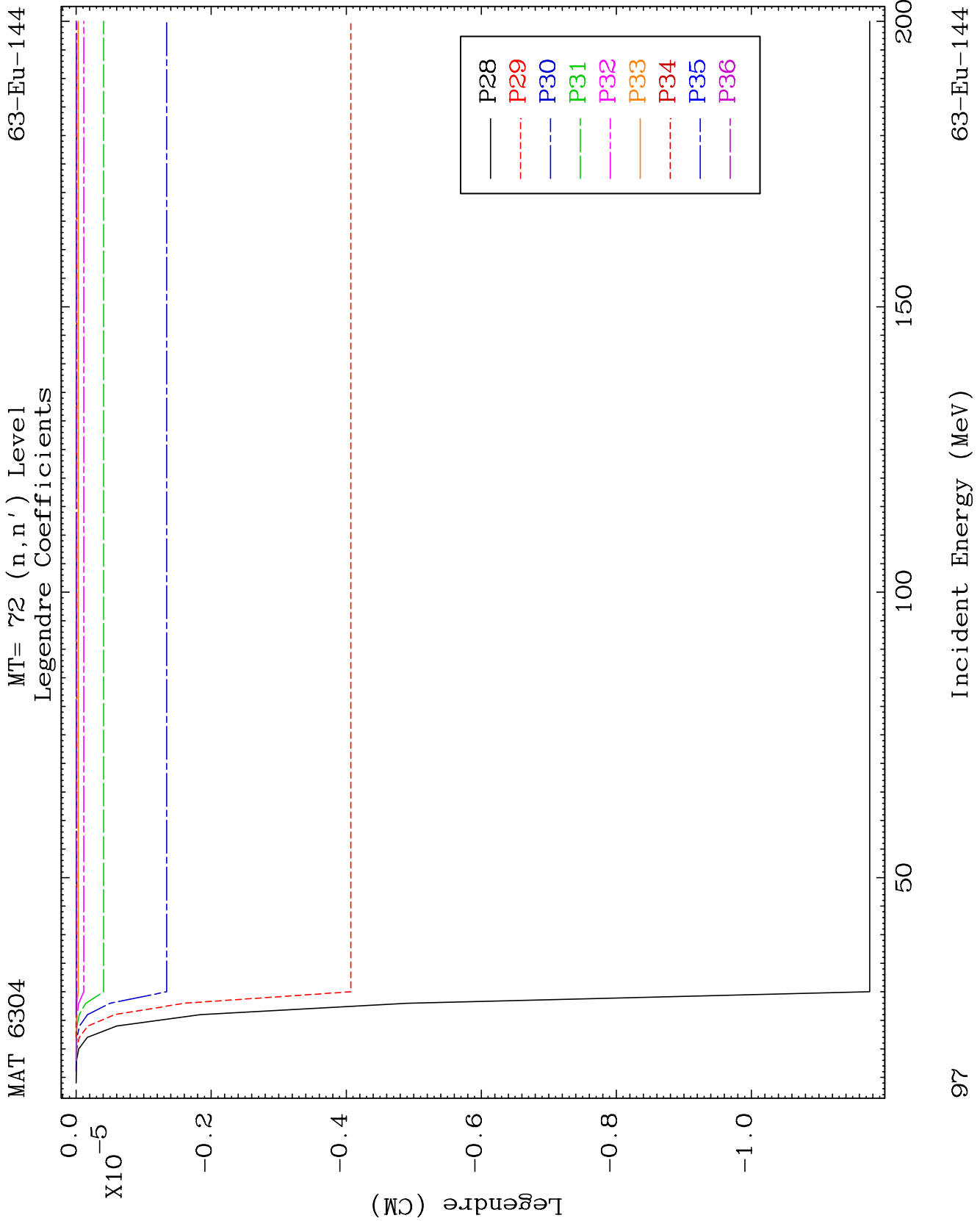


63-Eu-144

Incident Energy (MeV)

95

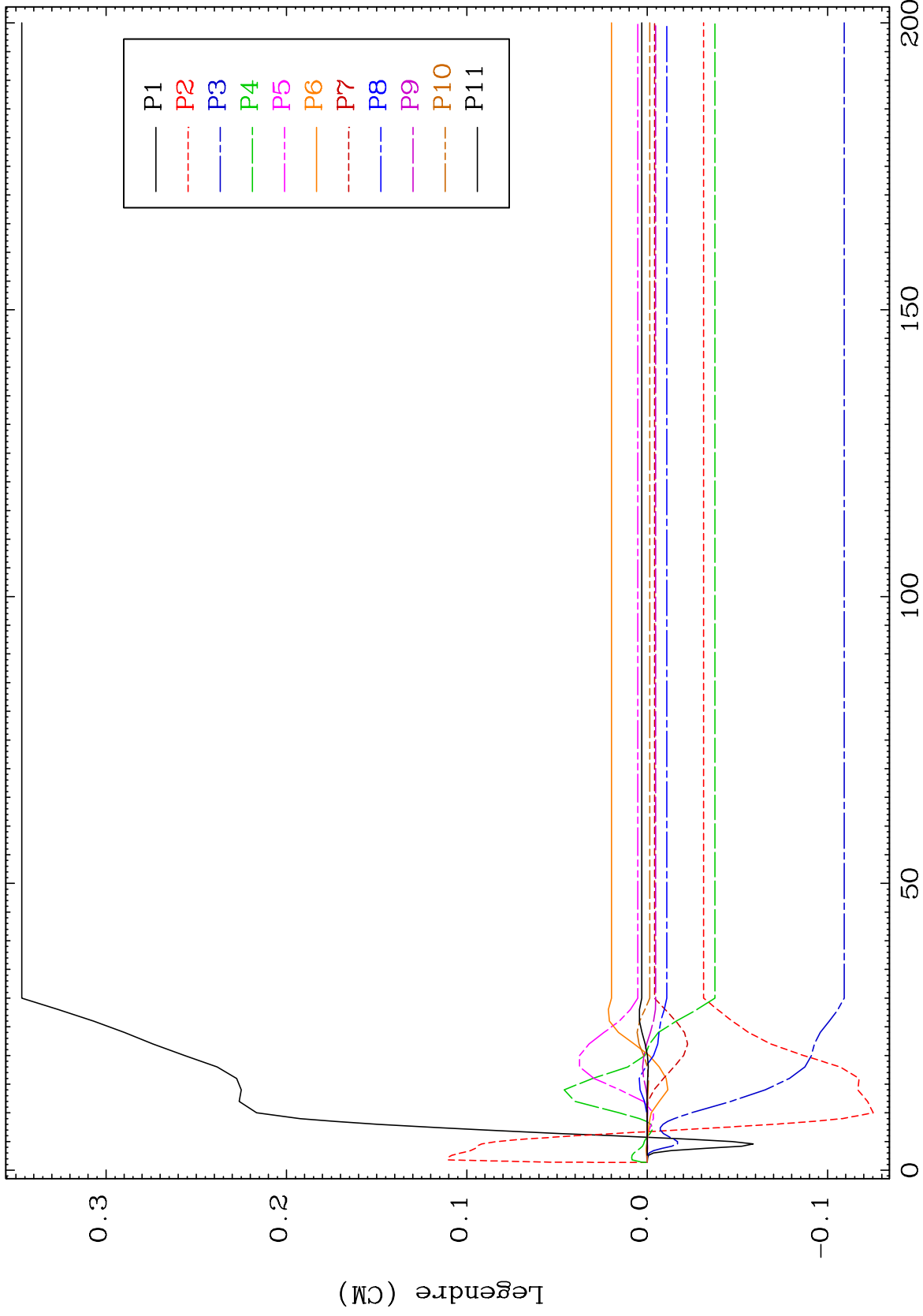




MAT 6304

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

63-Eu-144



98

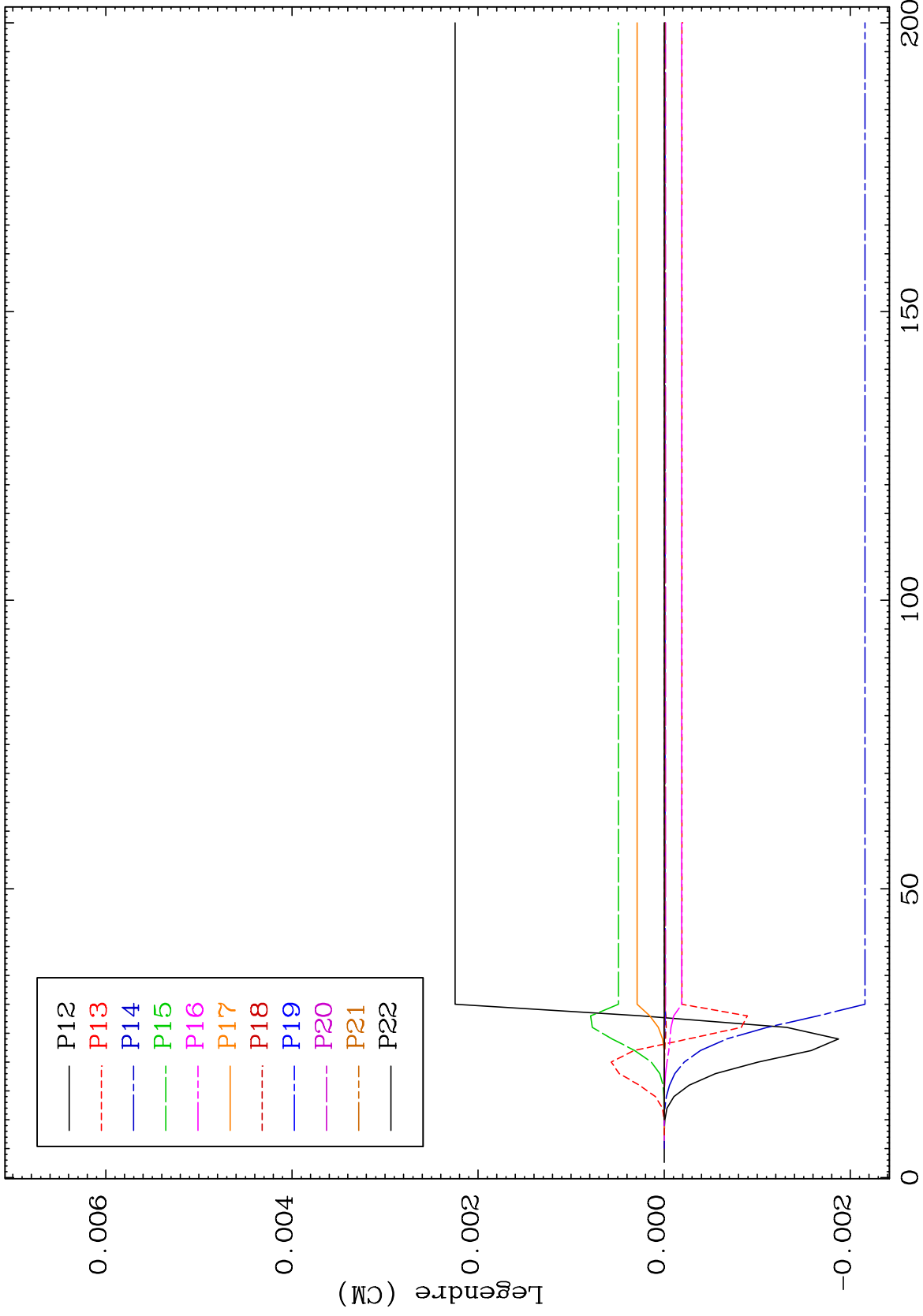
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



99

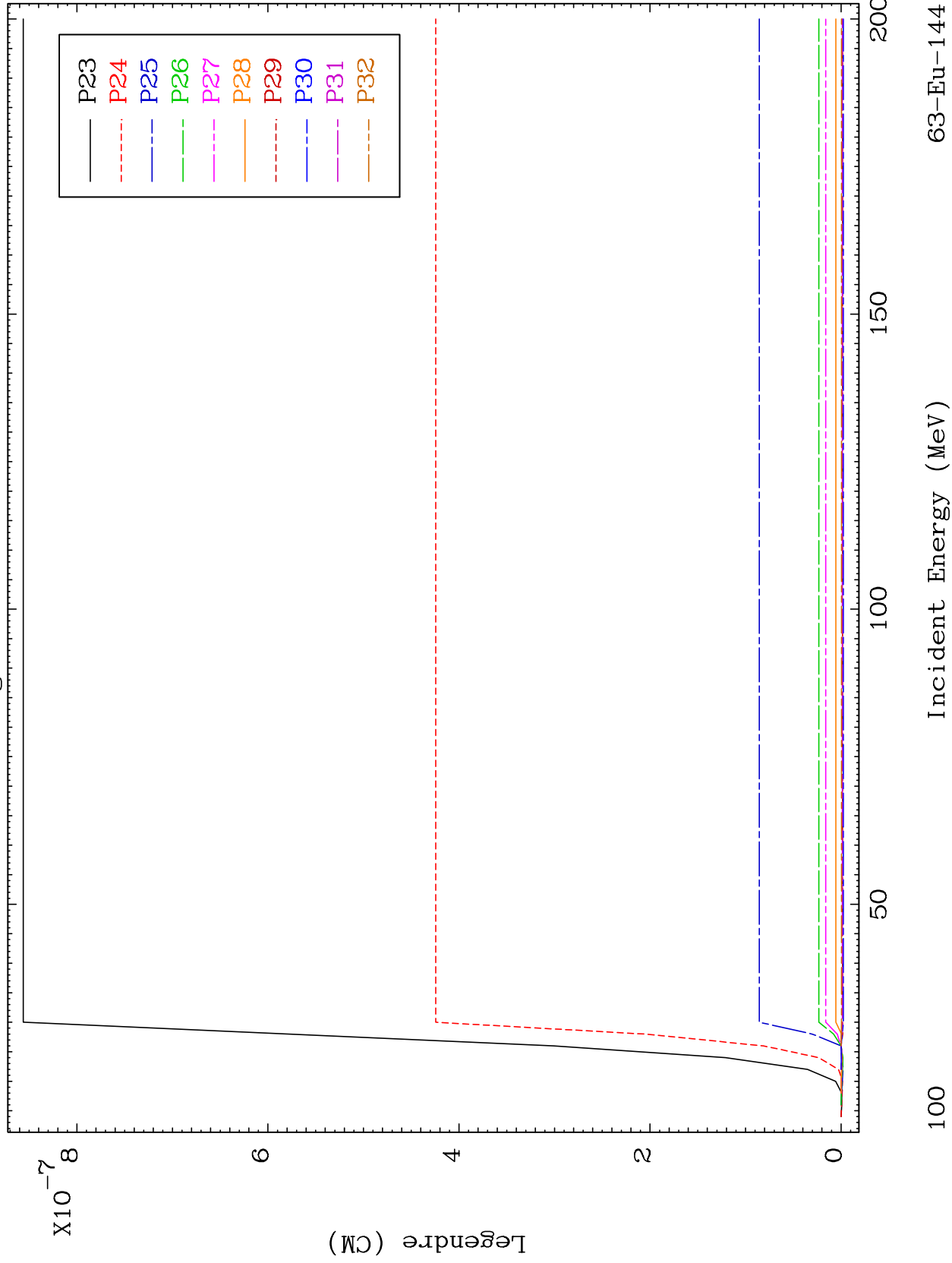
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

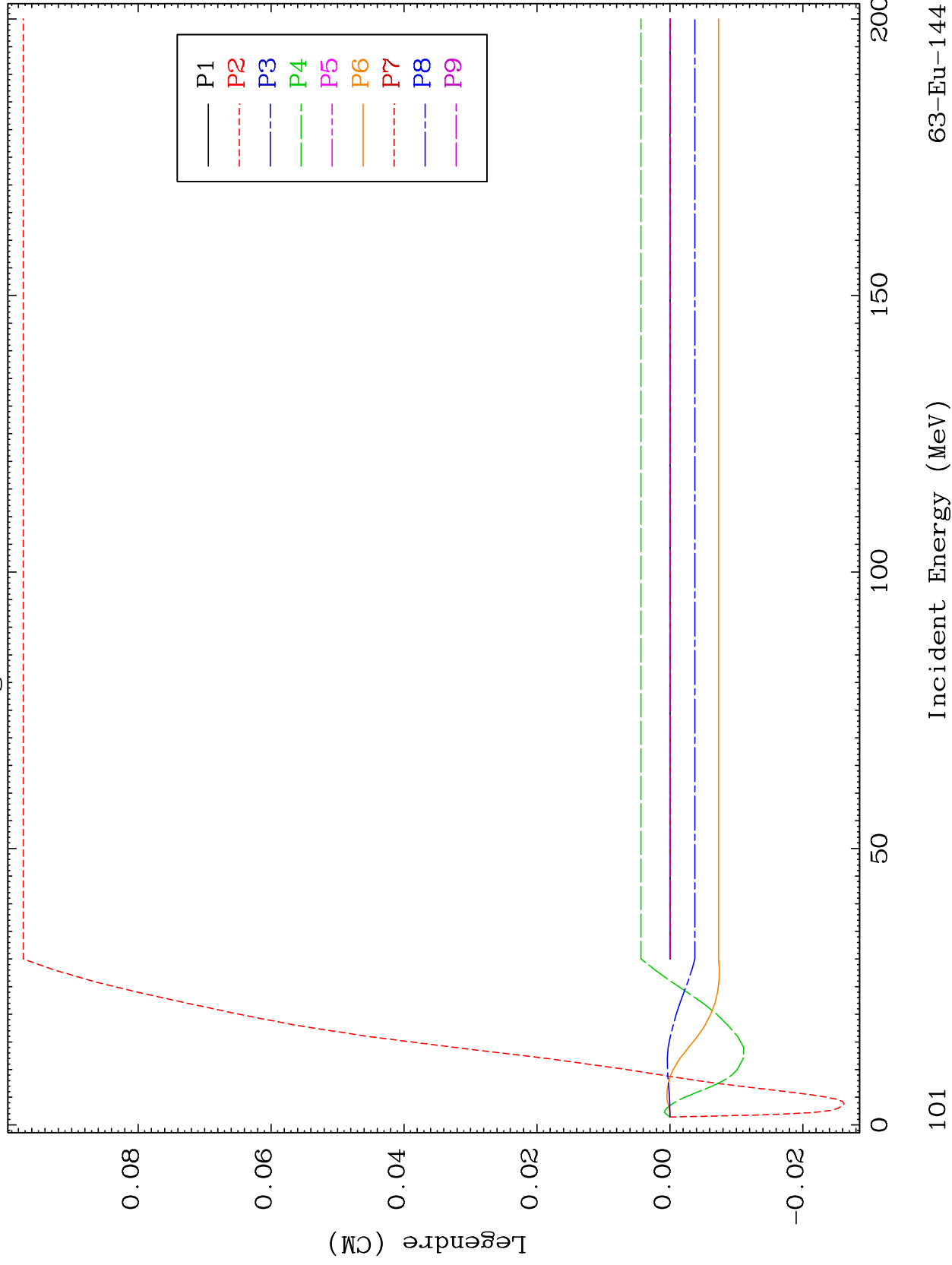
63-Eu-144



MAT 6304

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

63-Eu-144



63-Eu-144

Incident Energy (MeV)

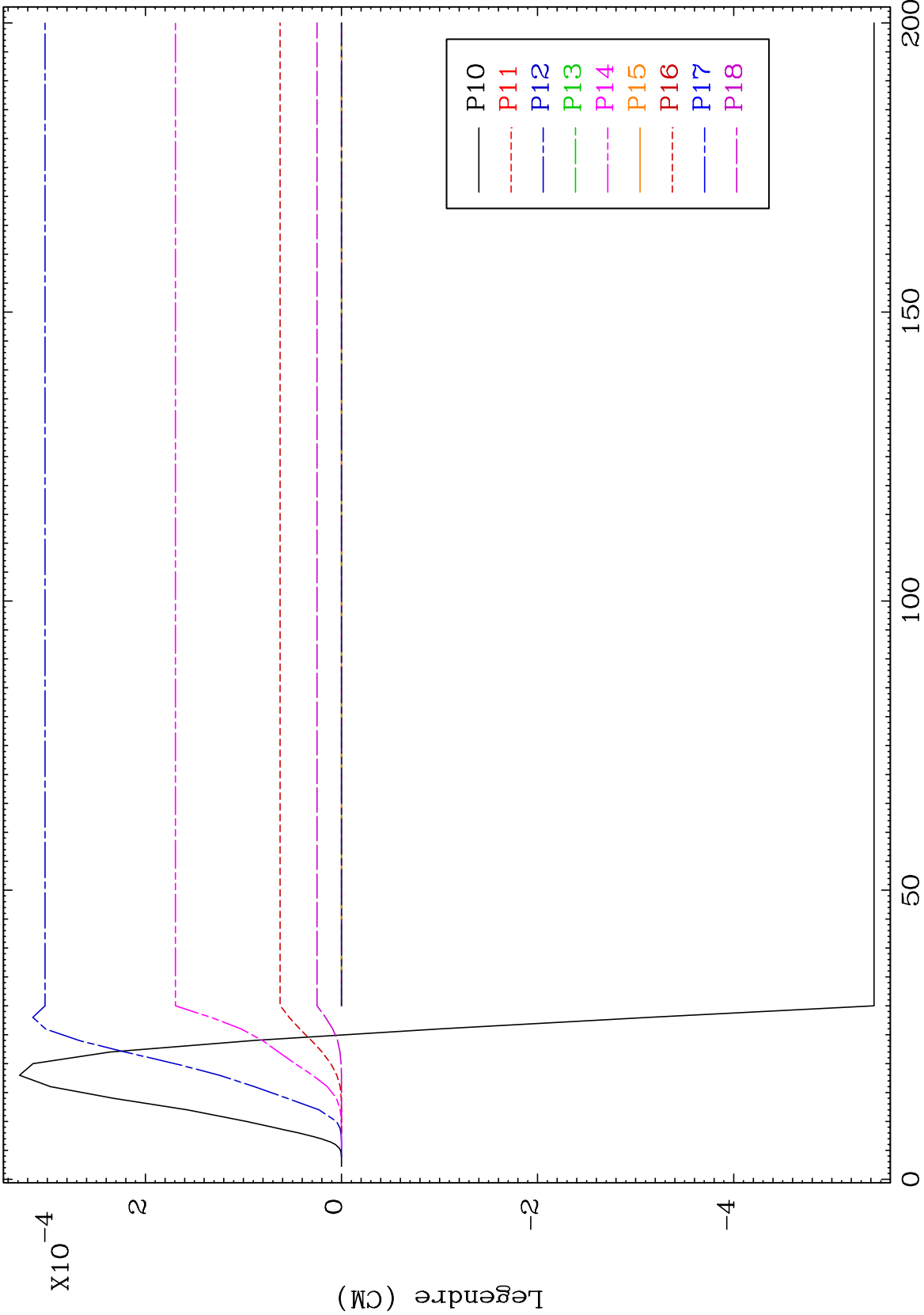
101

MAT 6304

MT= 74 (n,n') Level

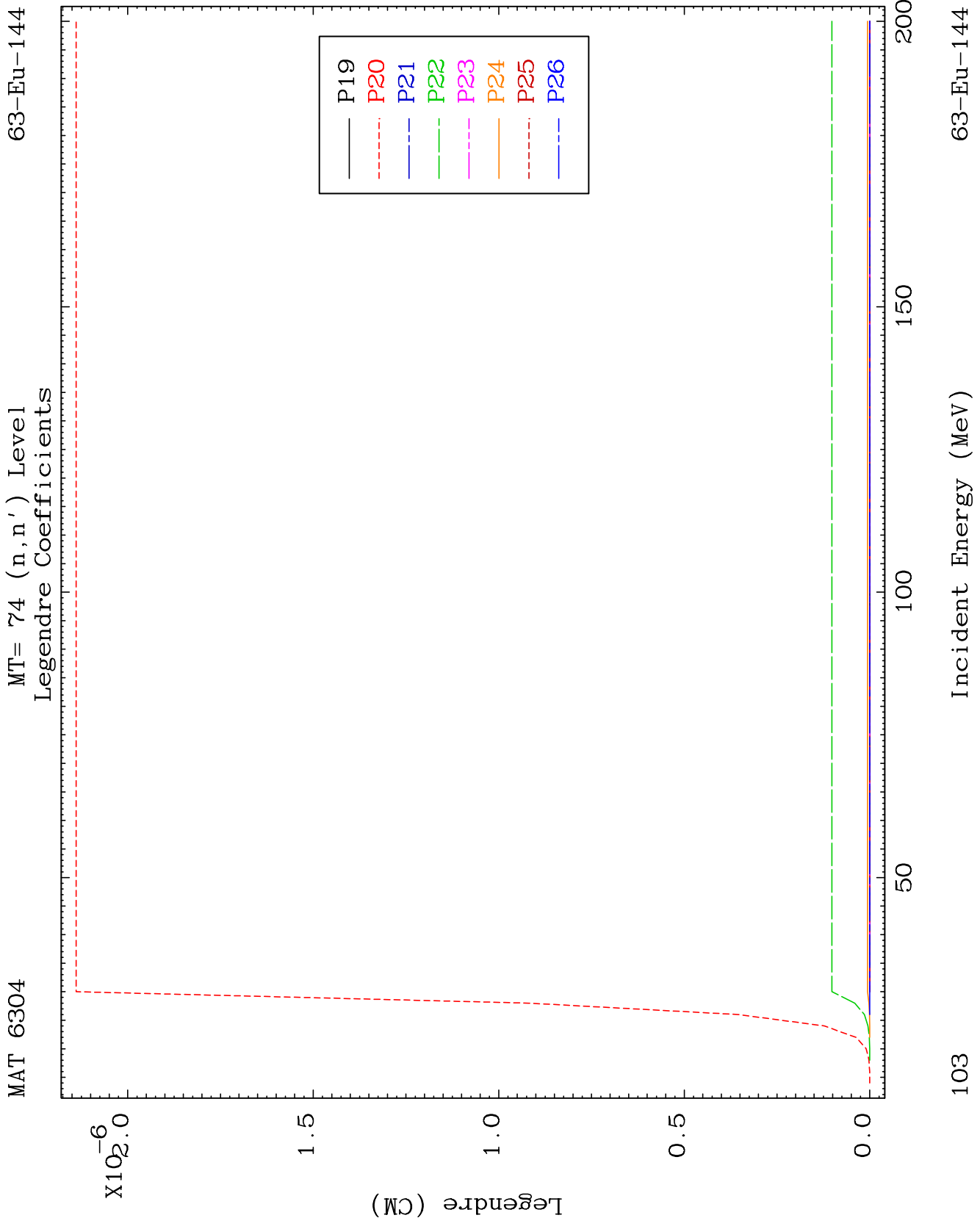
63-Eu-144

Legendre Coefficients



102

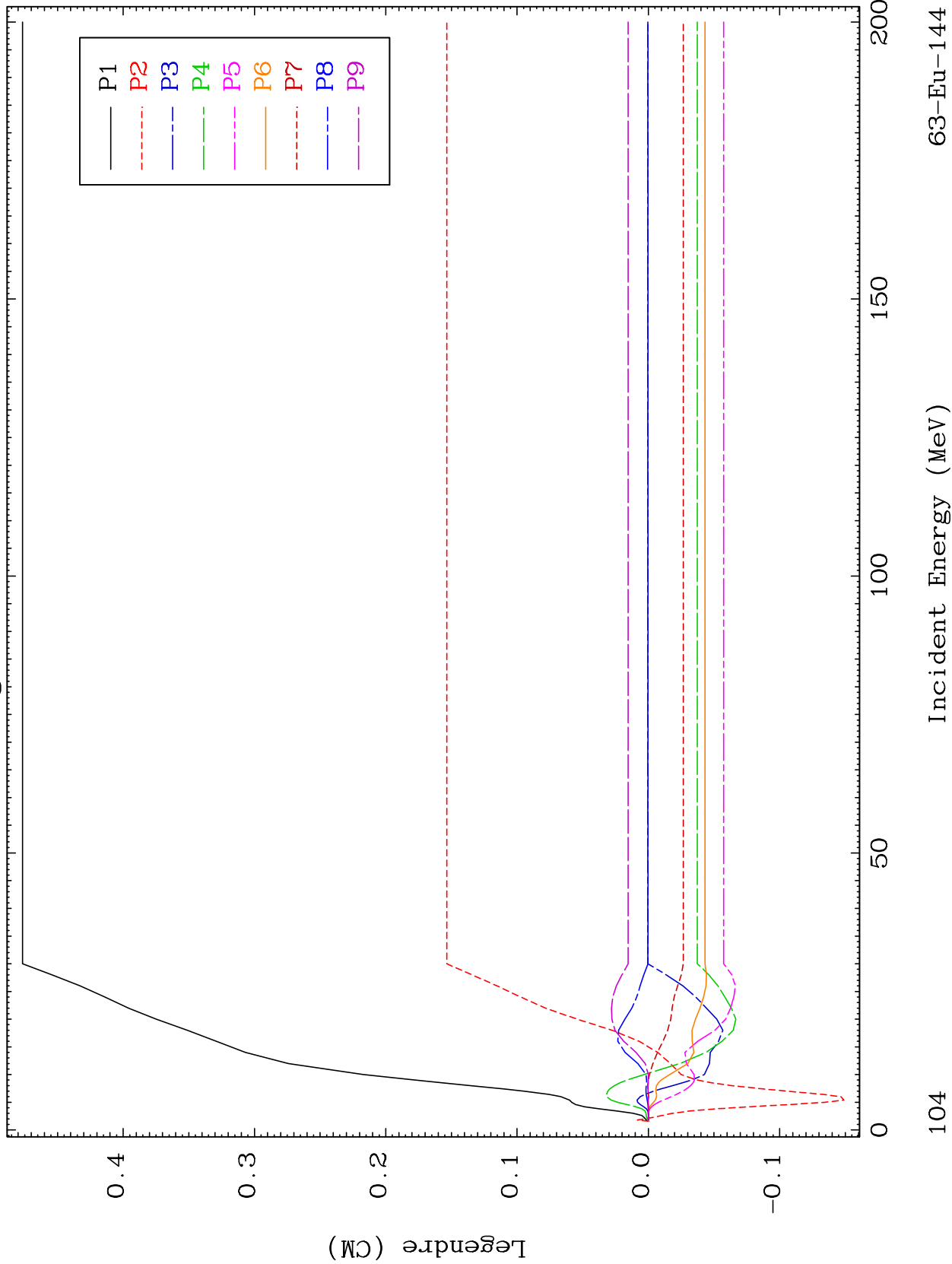
63-Eu-144



MAT 6304

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

63-Eu-144



63-Eu-144

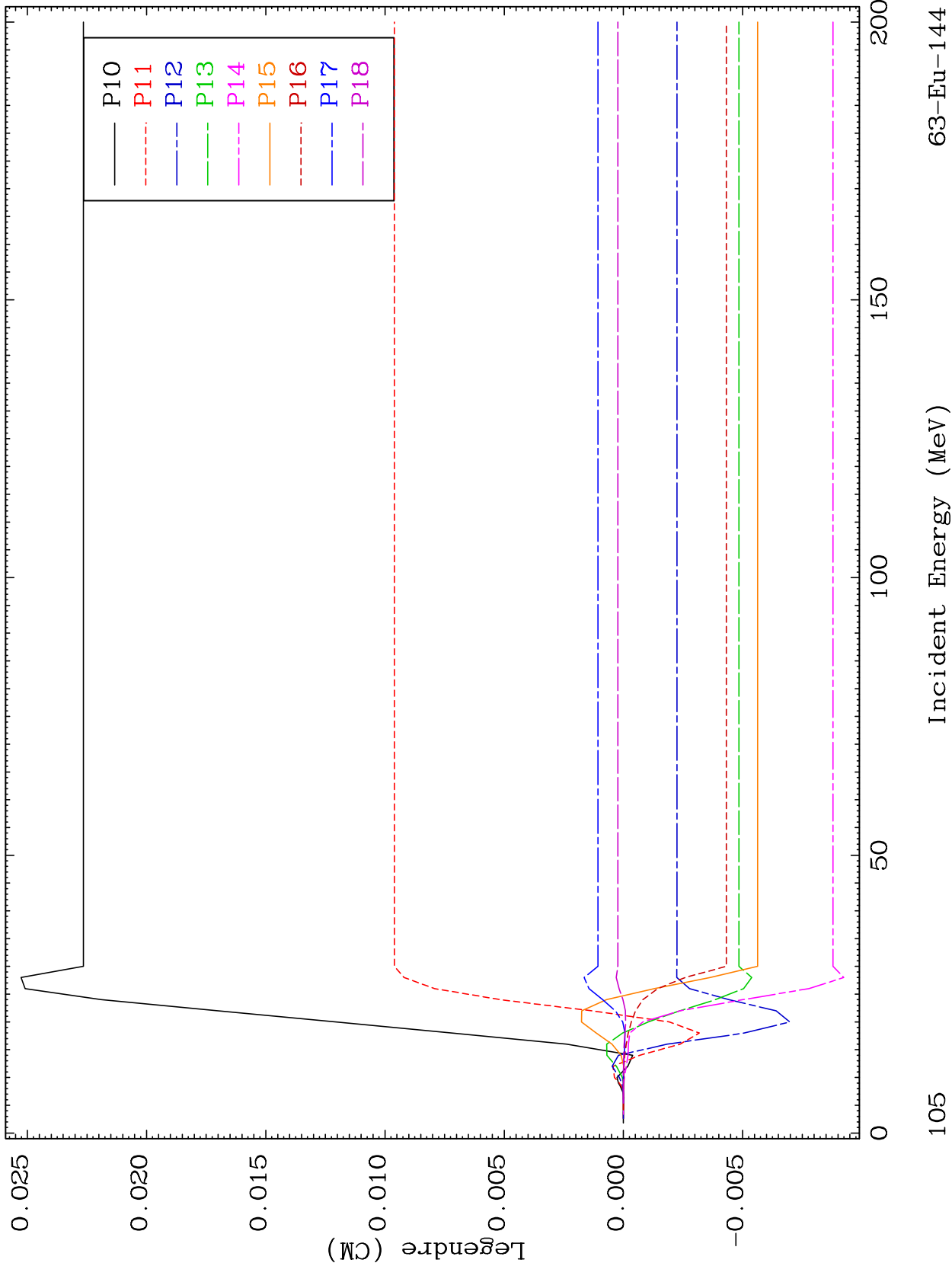
Incident Energy (MeV)

104

MAT 6304

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

63-Eu-144



63-Eu-144

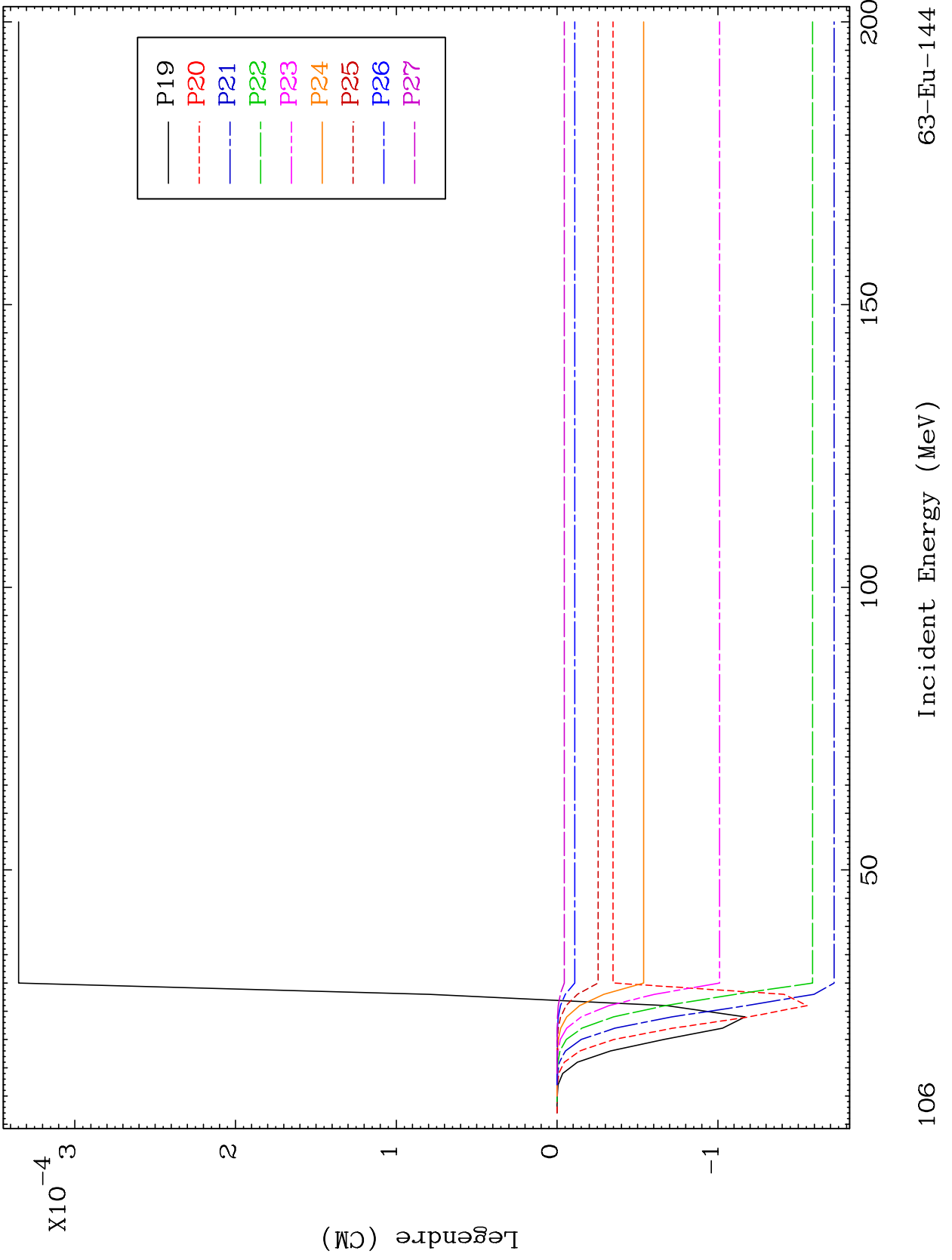
Incident Energy (MeV)

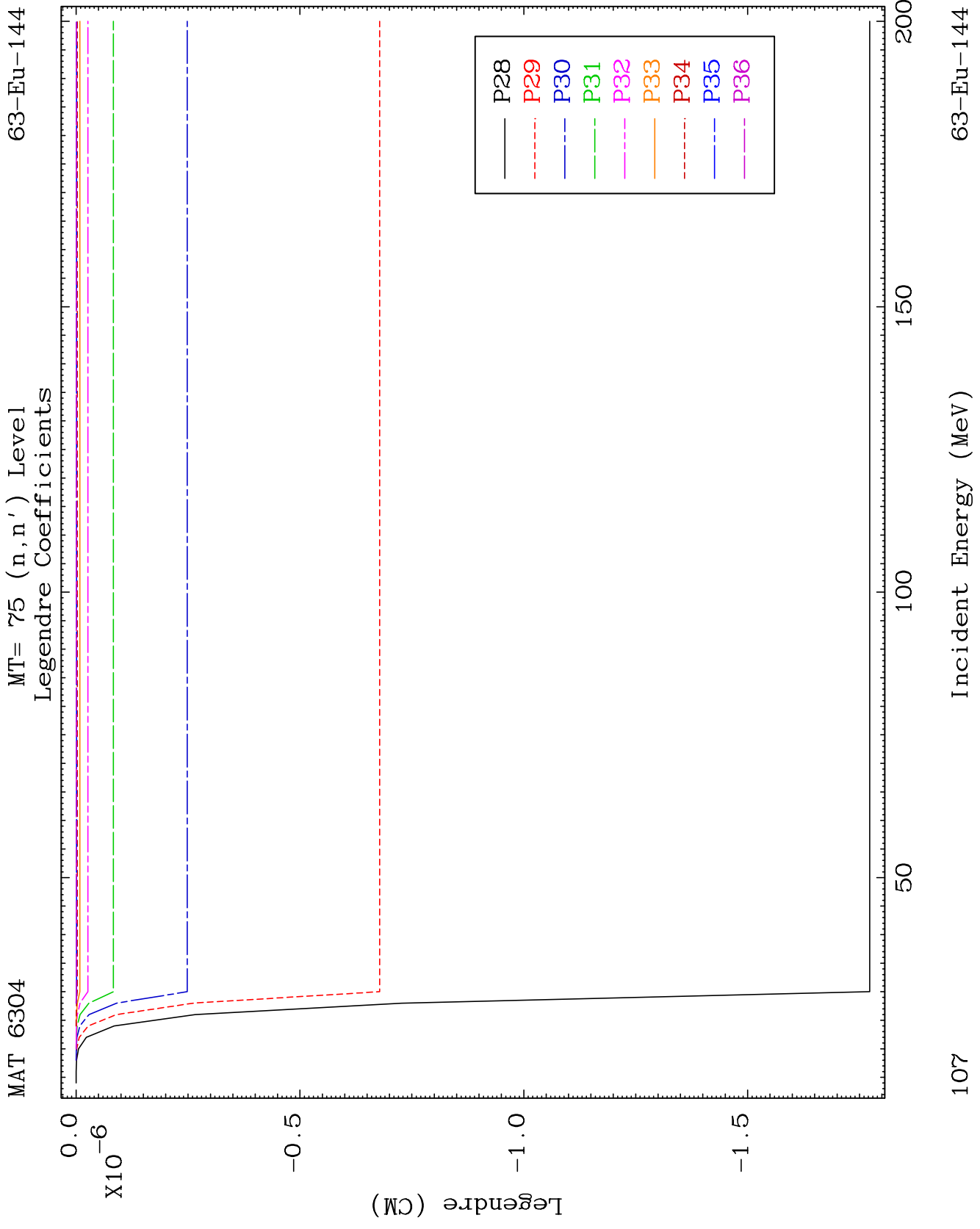
105

MAT 6304

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

63-Eu-144

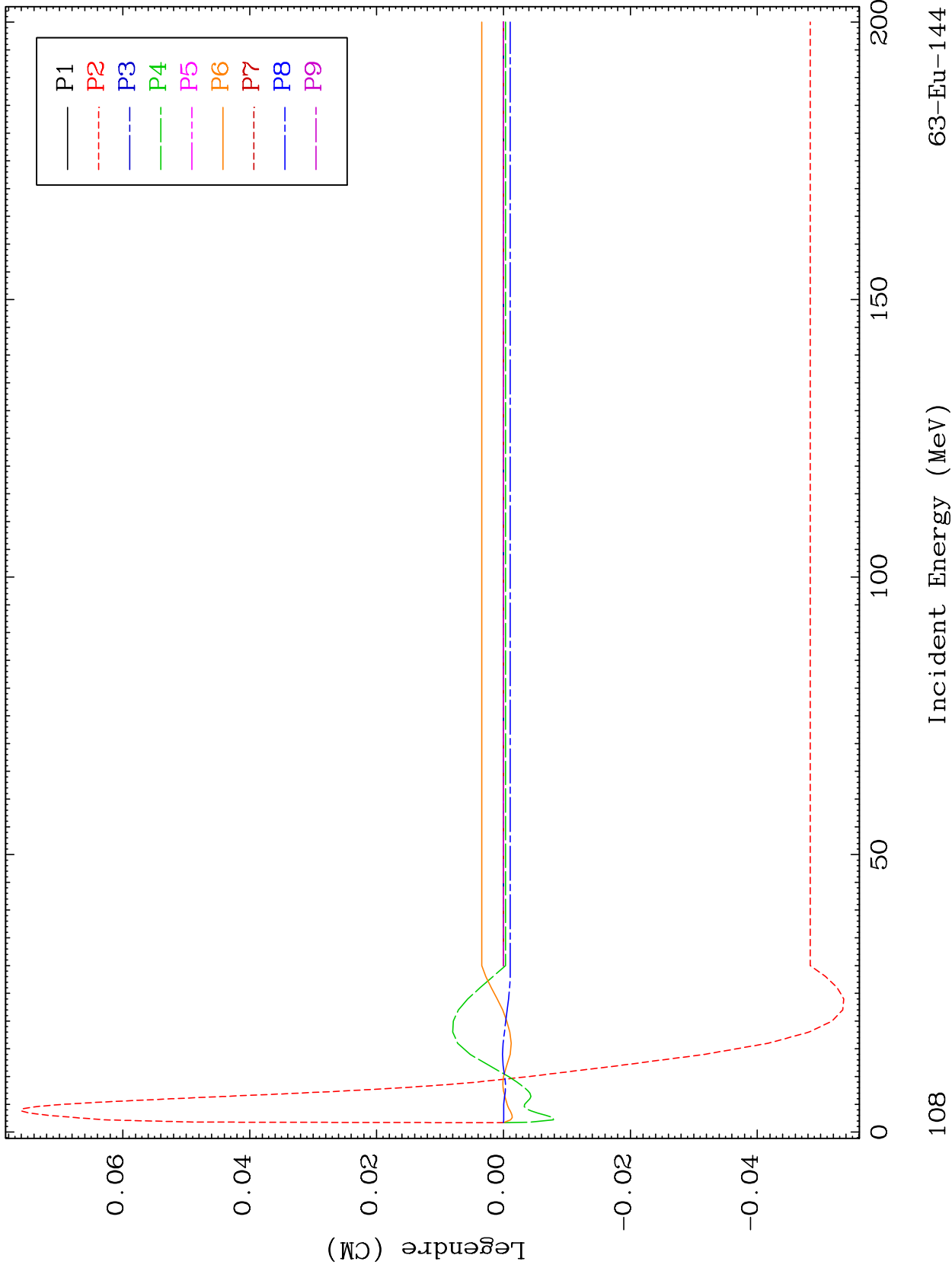




MAT 6304

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

63-Eu-144



63-Eu-144

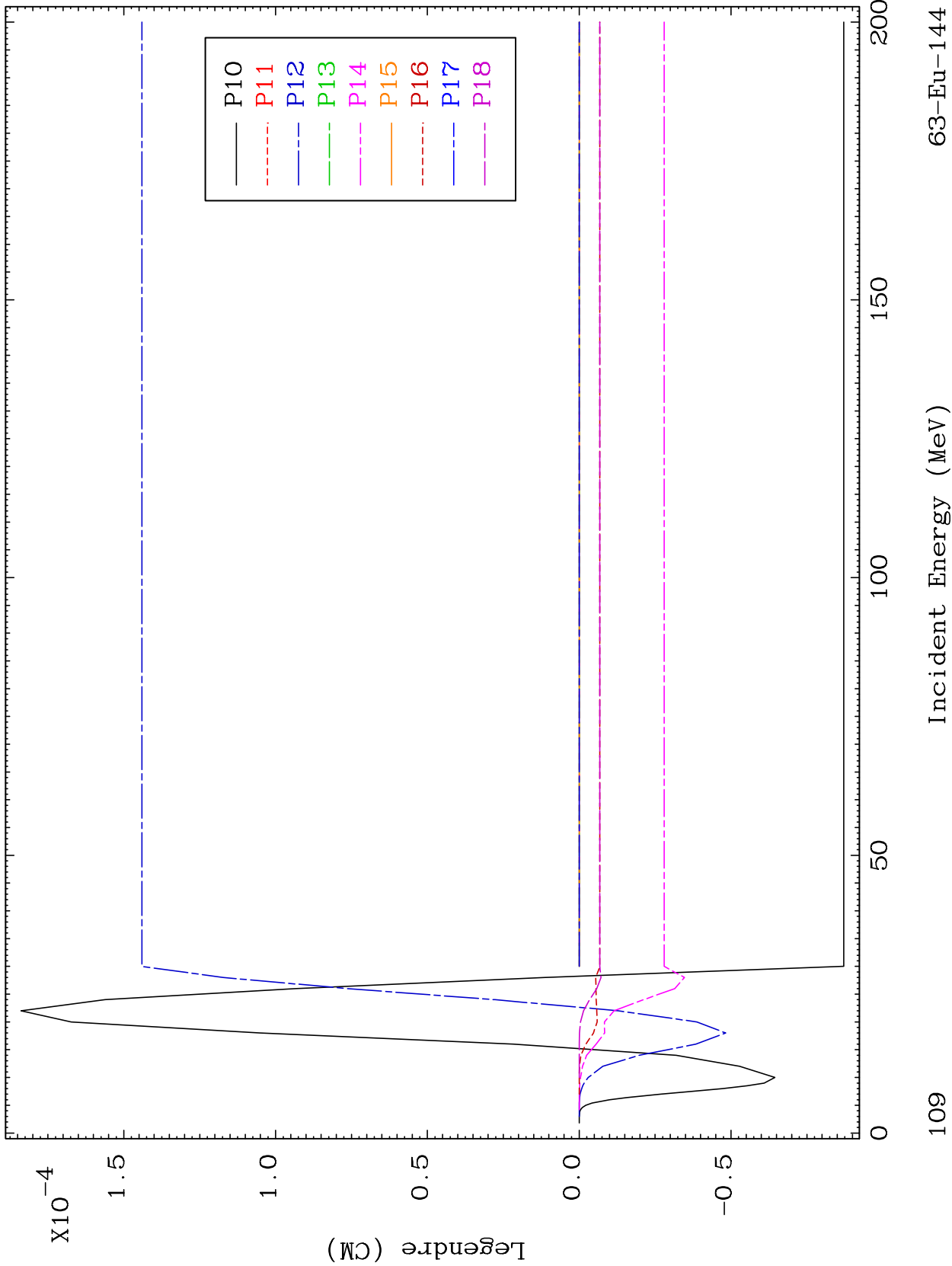
Incident Energy (MeV)

108

MAT 6304

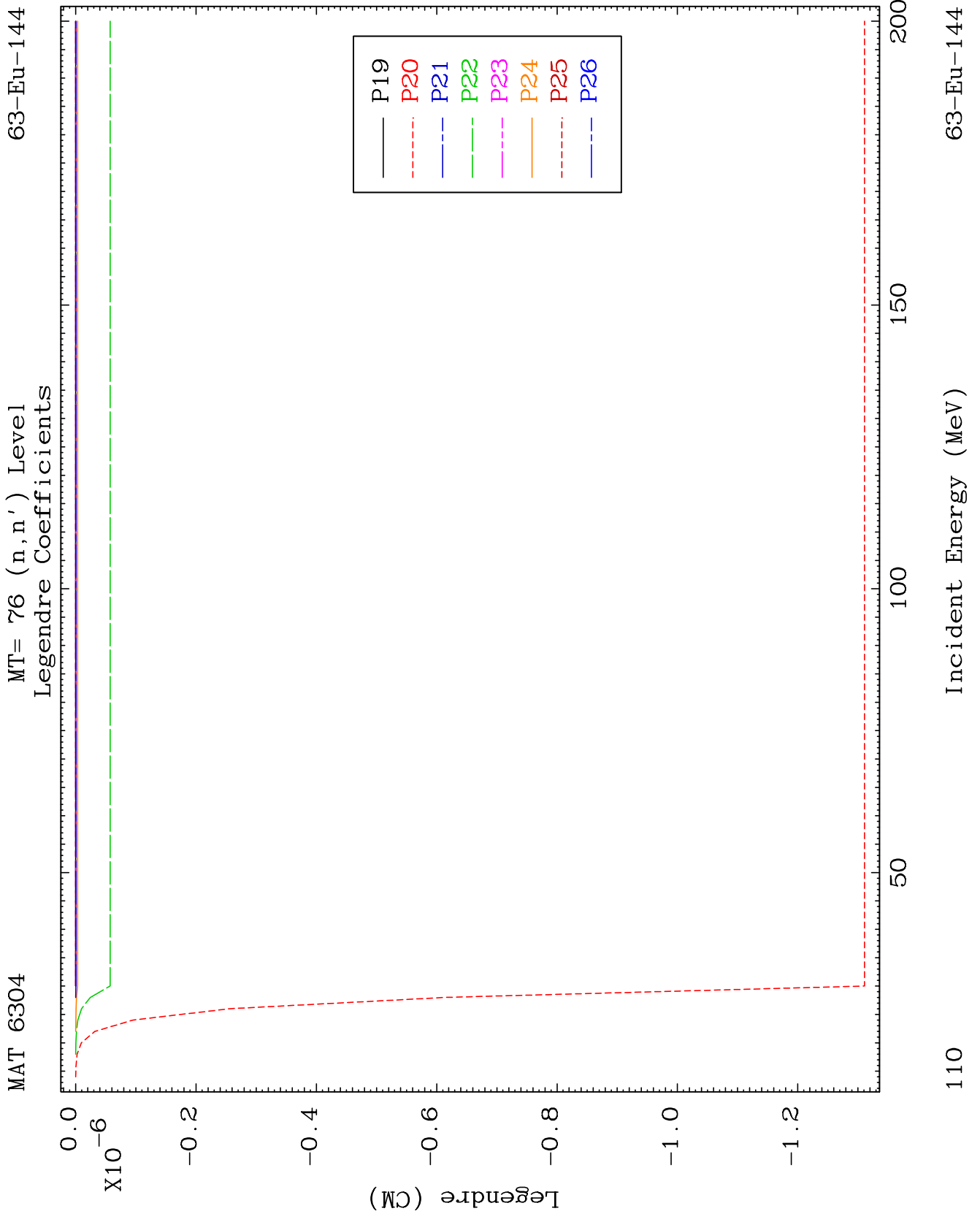
MT= 76 (n,n') Level
Legendre Coefficients

63-Eu-144



109

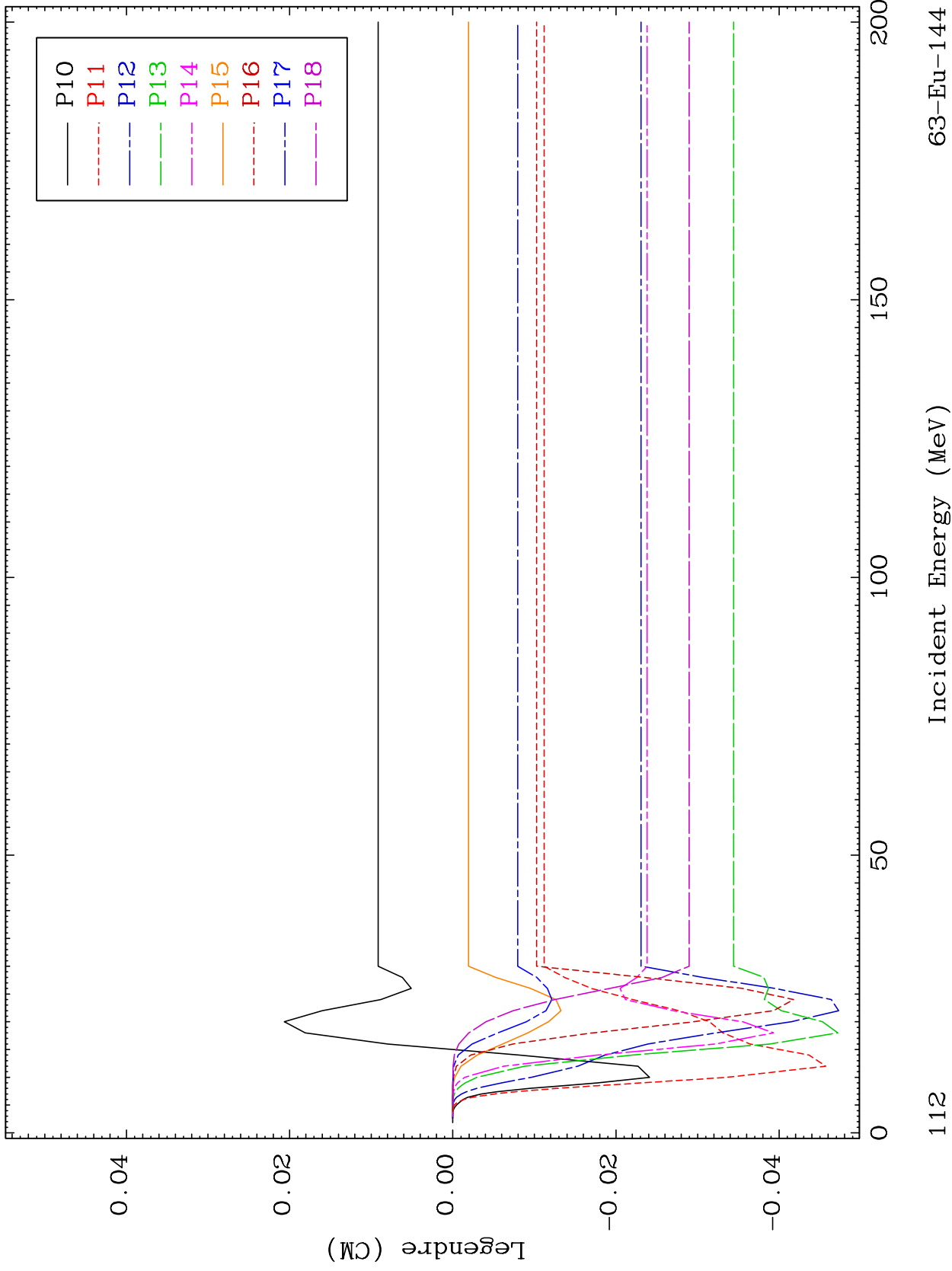
63-Eu-144



MAT 6304

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

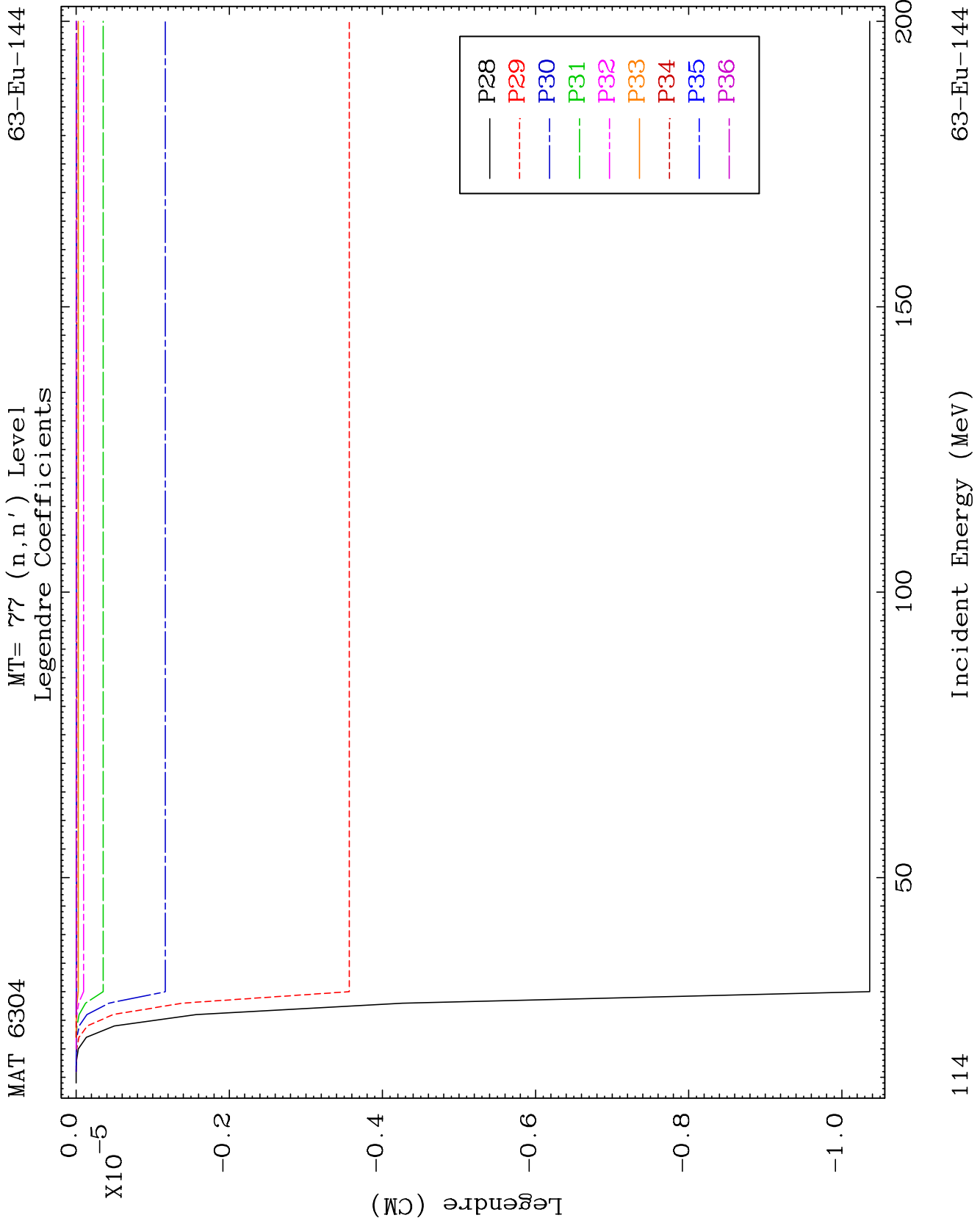
63-Eu-144



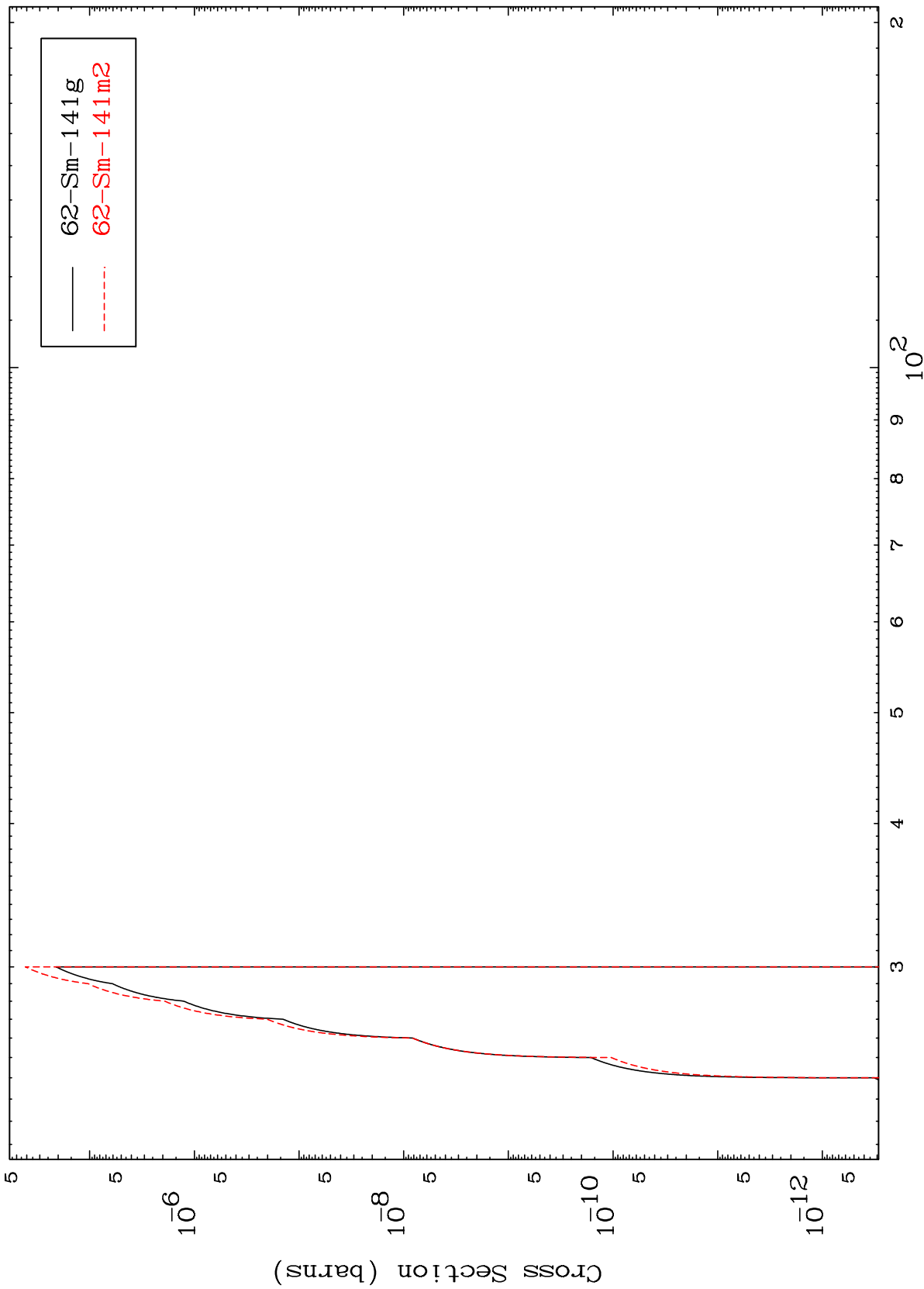
112

Incident Energy (MeV)

63-Eu-144



Radionuclide Production Cross Section



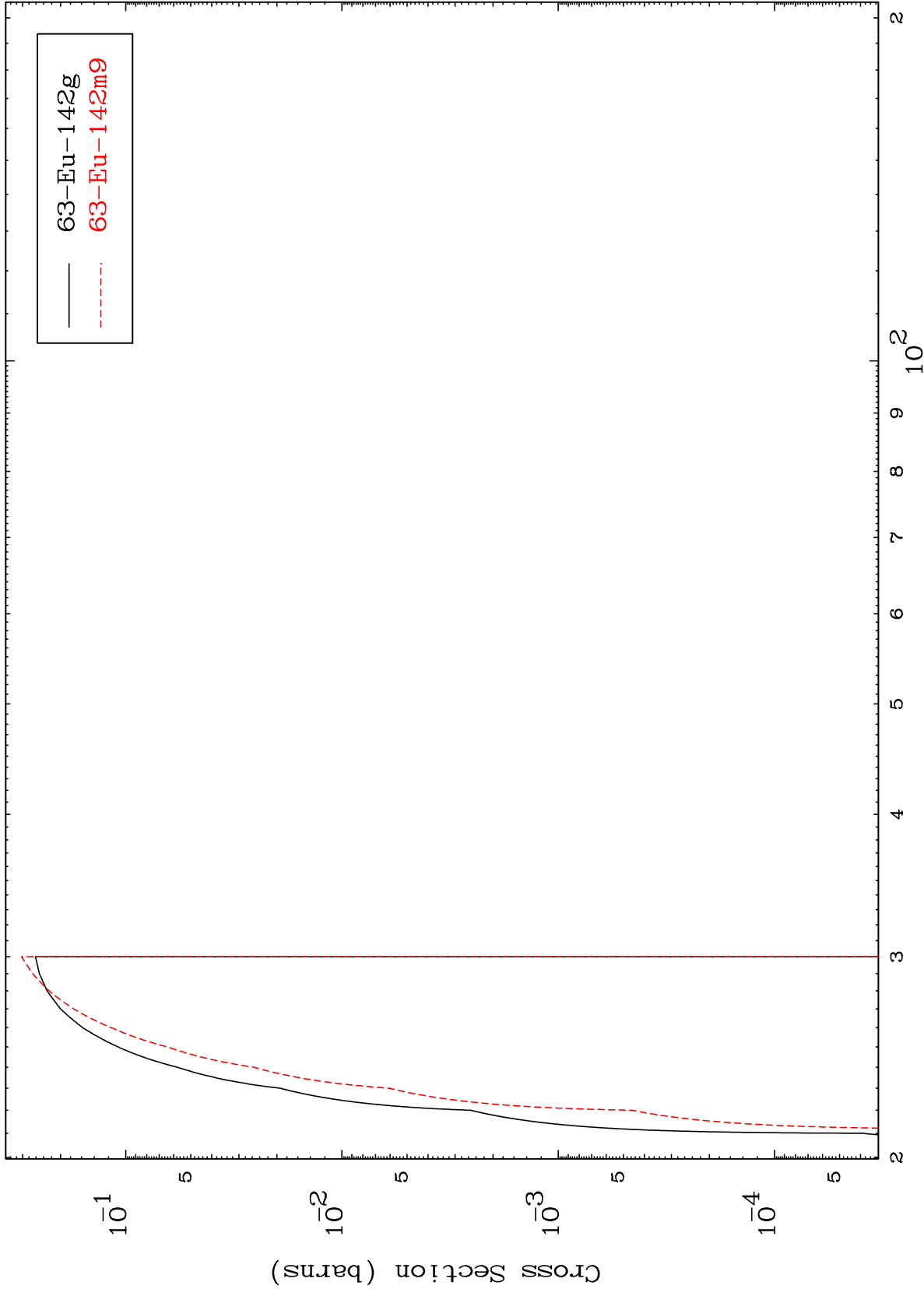
62-Sm-141g
62-Sm-141m2

MAT 6304

(n,3n)

63-Eu-144

Radionuclide Production Cross Section



63-Eu-142g
63-Eu-142m9

116

Incident Energy (MeV)

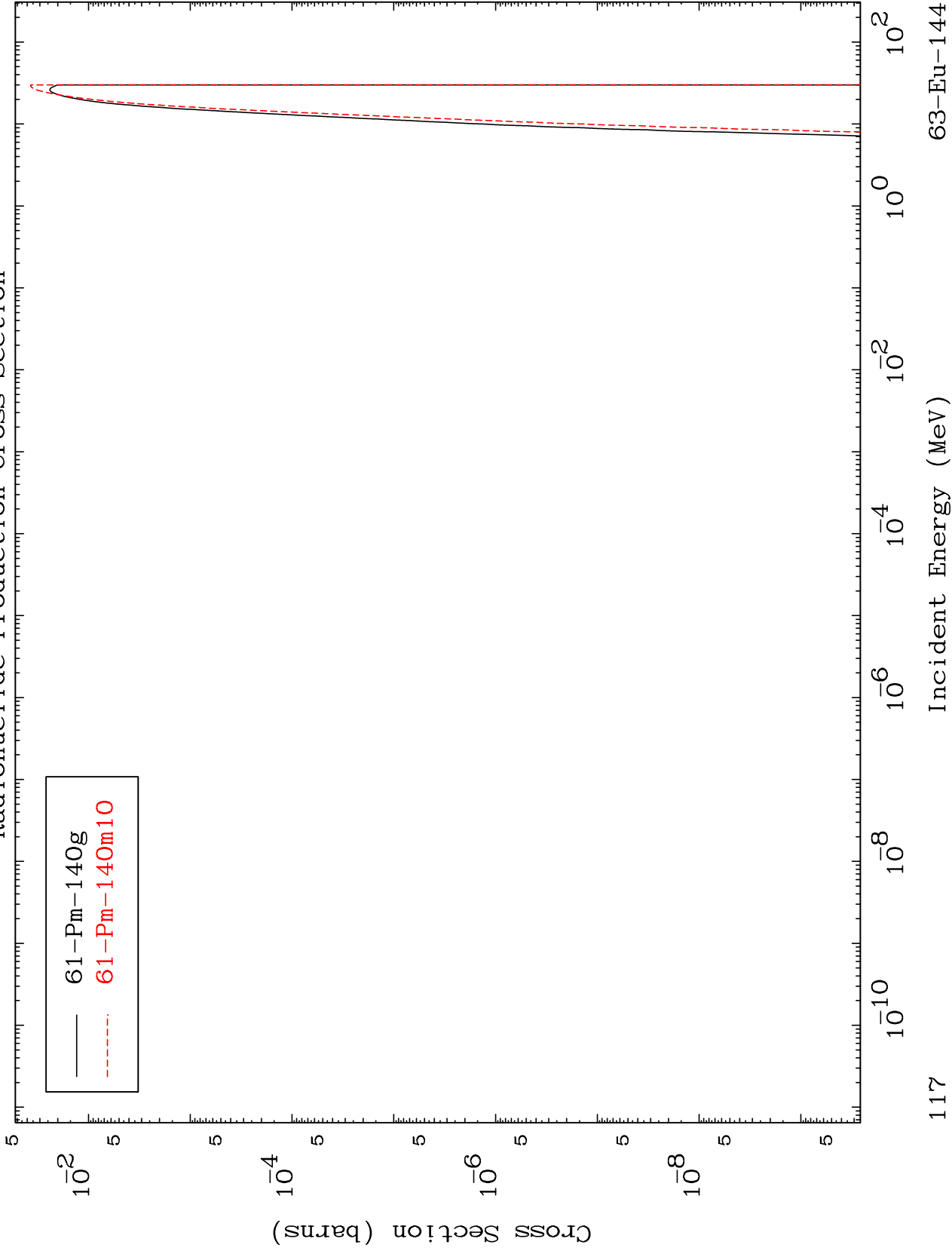
63-Eu-144

MAT 6304

$(n, n') \alpha$

63-Eu-144

Radionuclide Production Cross Section

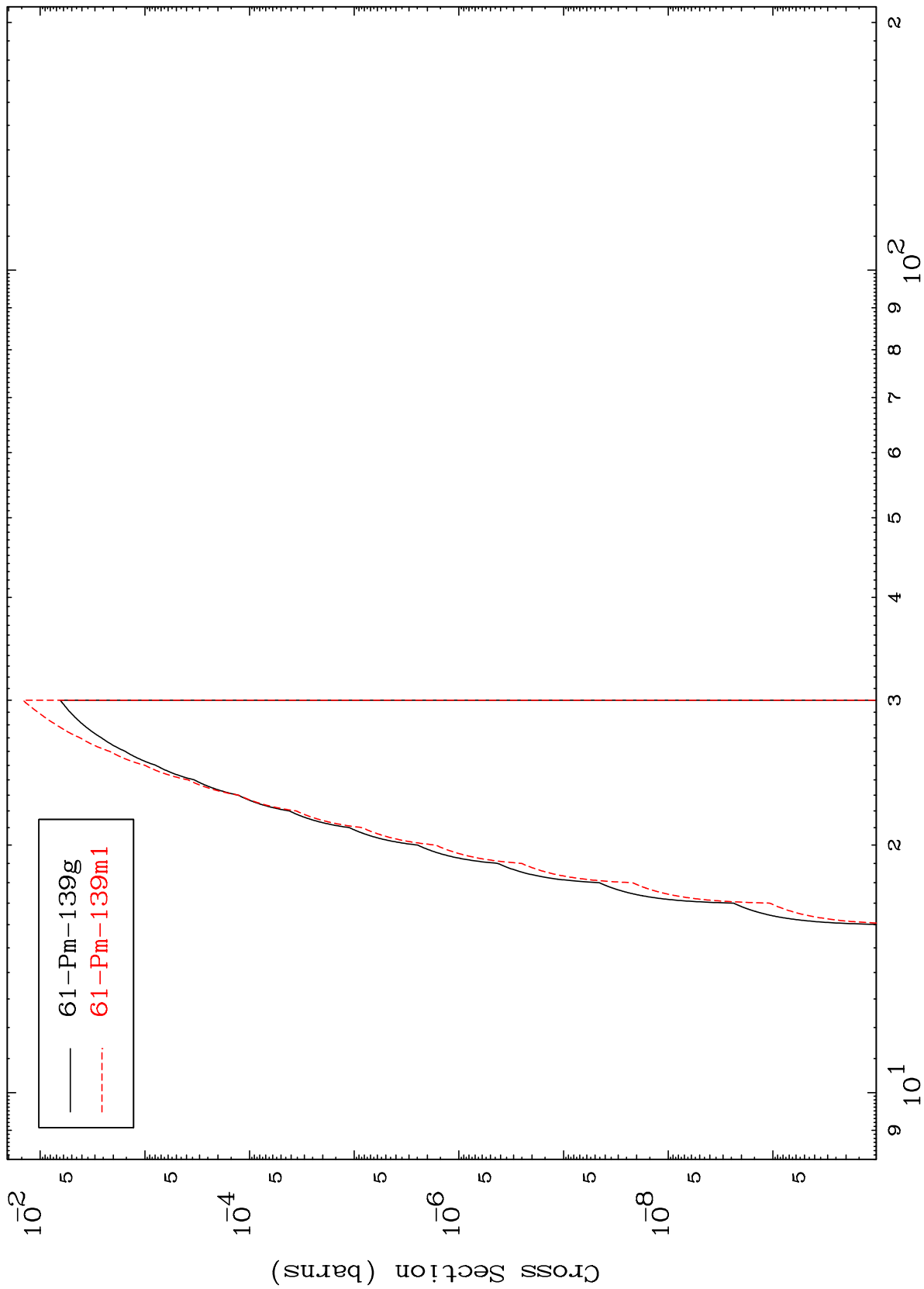


MAT 6304

(n,2n) α

63-Eu-144

Radionuclide Production Cross Section

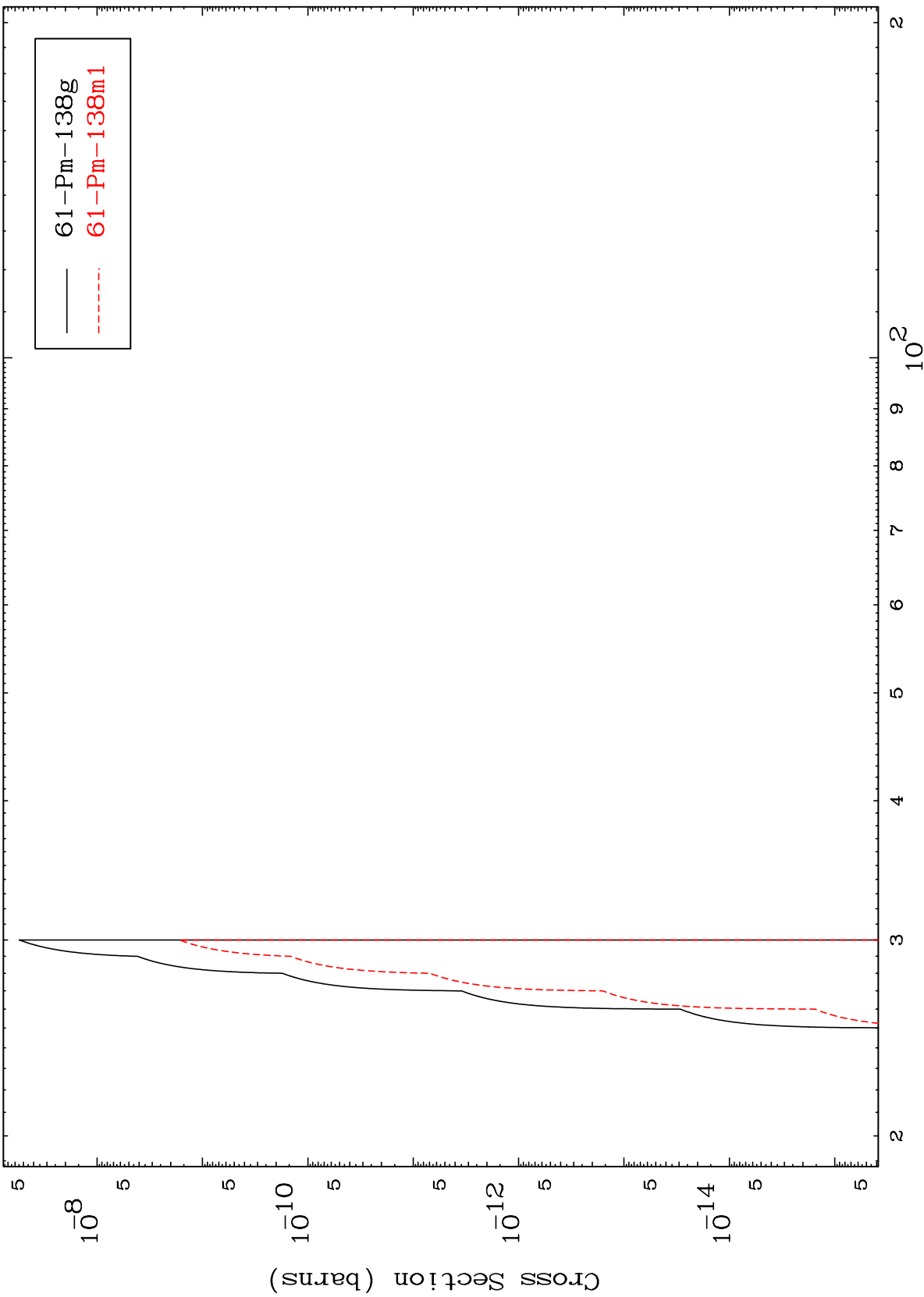


118

Incident Energy (MeV)

63-Eu-144

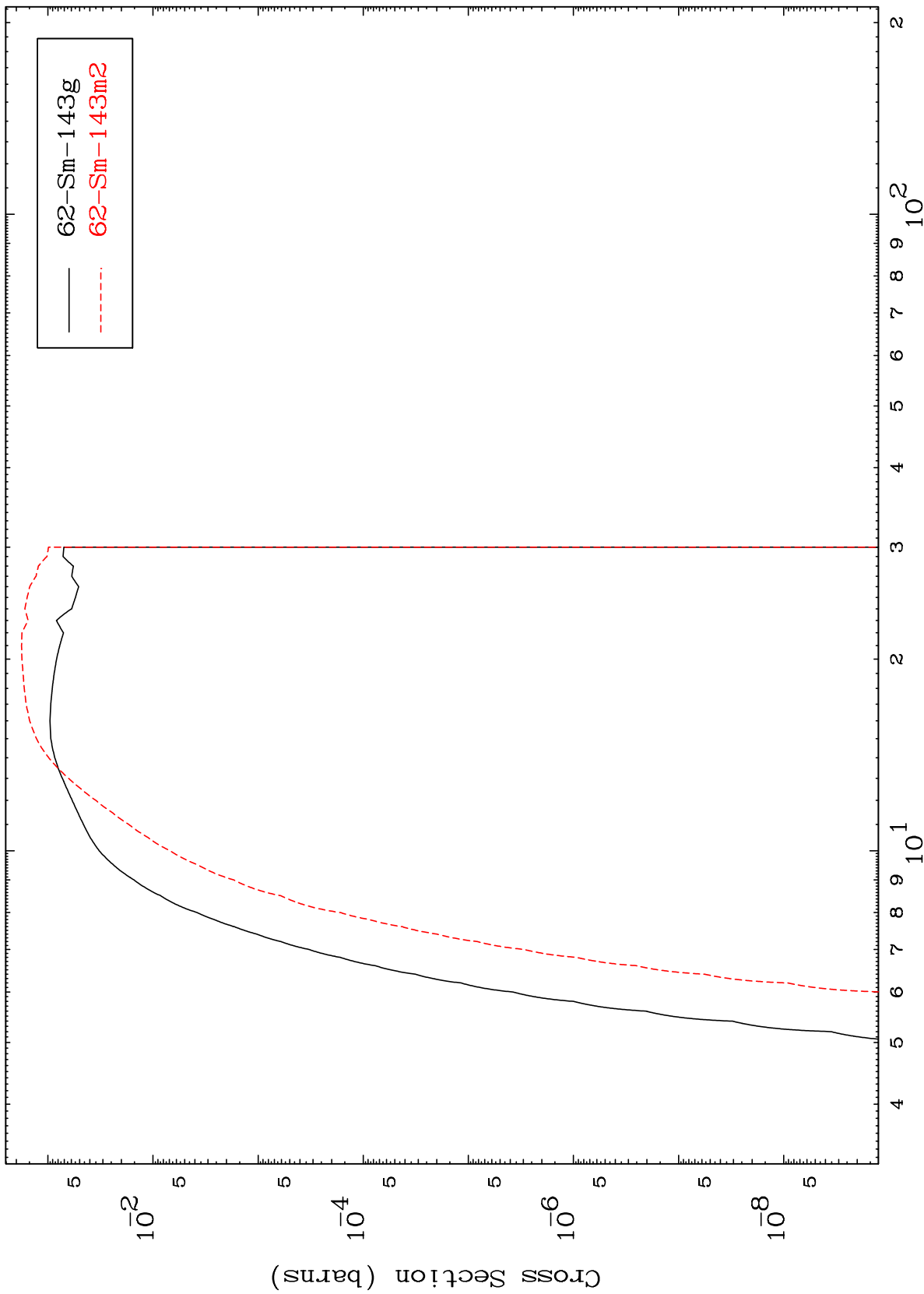
Radionuclide Production Cross Section



MAT 6304

63-Eu-144

(n, n') p
Radionuclide Production Cross Section



120

Incident Energy (MeV)

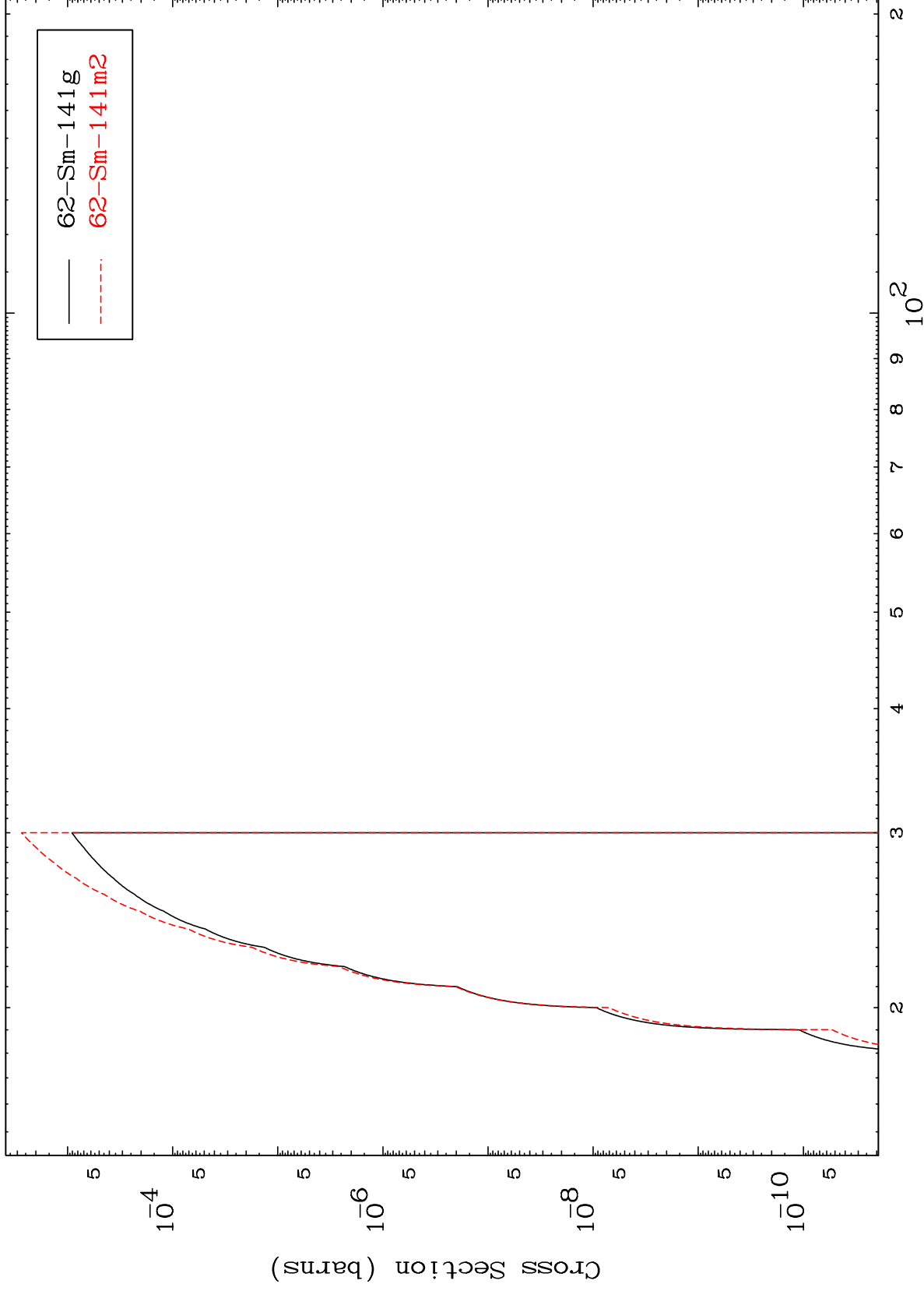
63-Eu-144

MAT 6304

(n,n') t

63-Eu-144

Radionuclide Production Cross Section



121

Incident Energy (MeV)

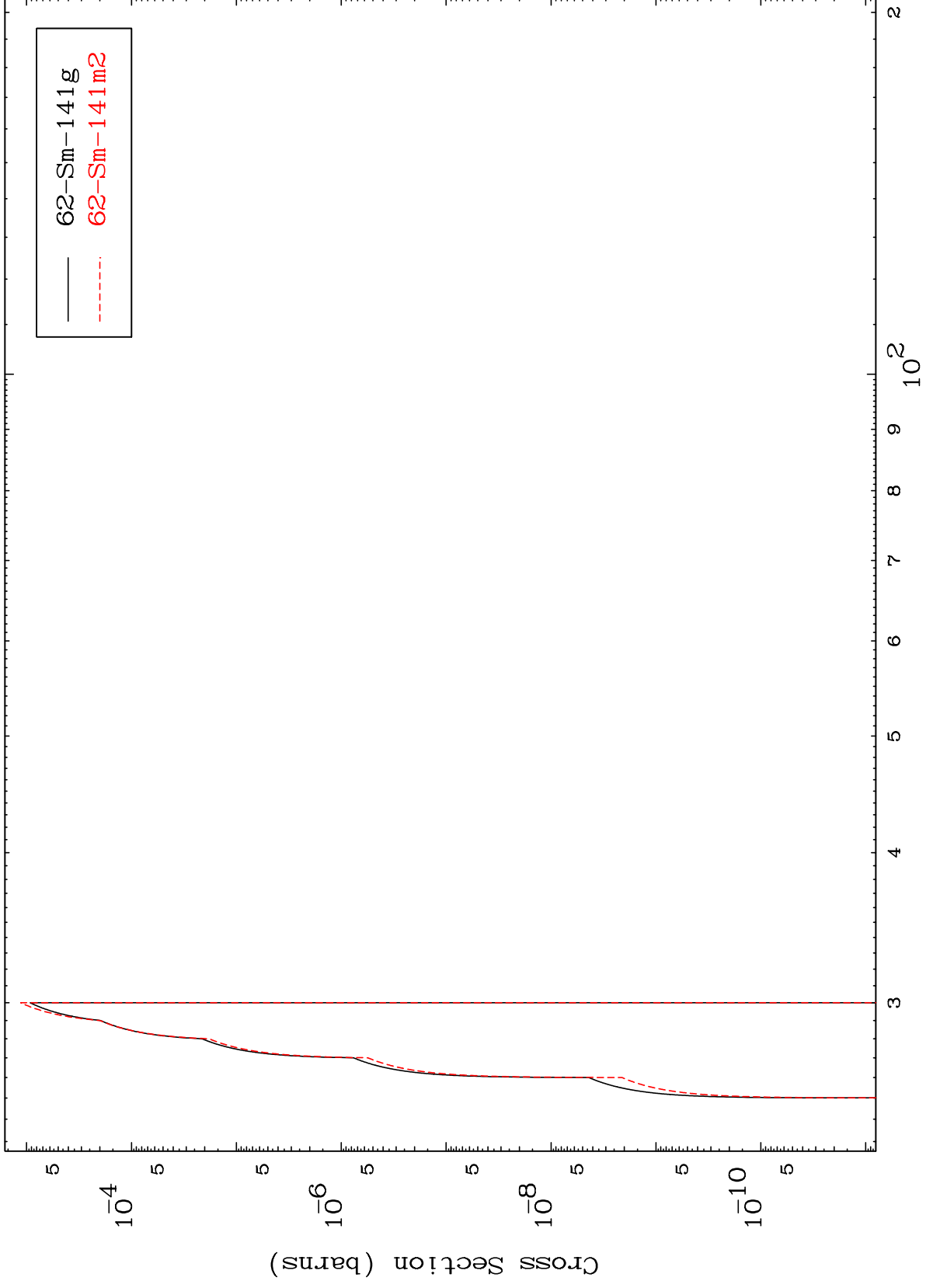
63-Eu-144

MAT 6304

(n,3n) p

63-Eu-144

Radionuclide Production Cross Section



122

Incident Energy (MeV)

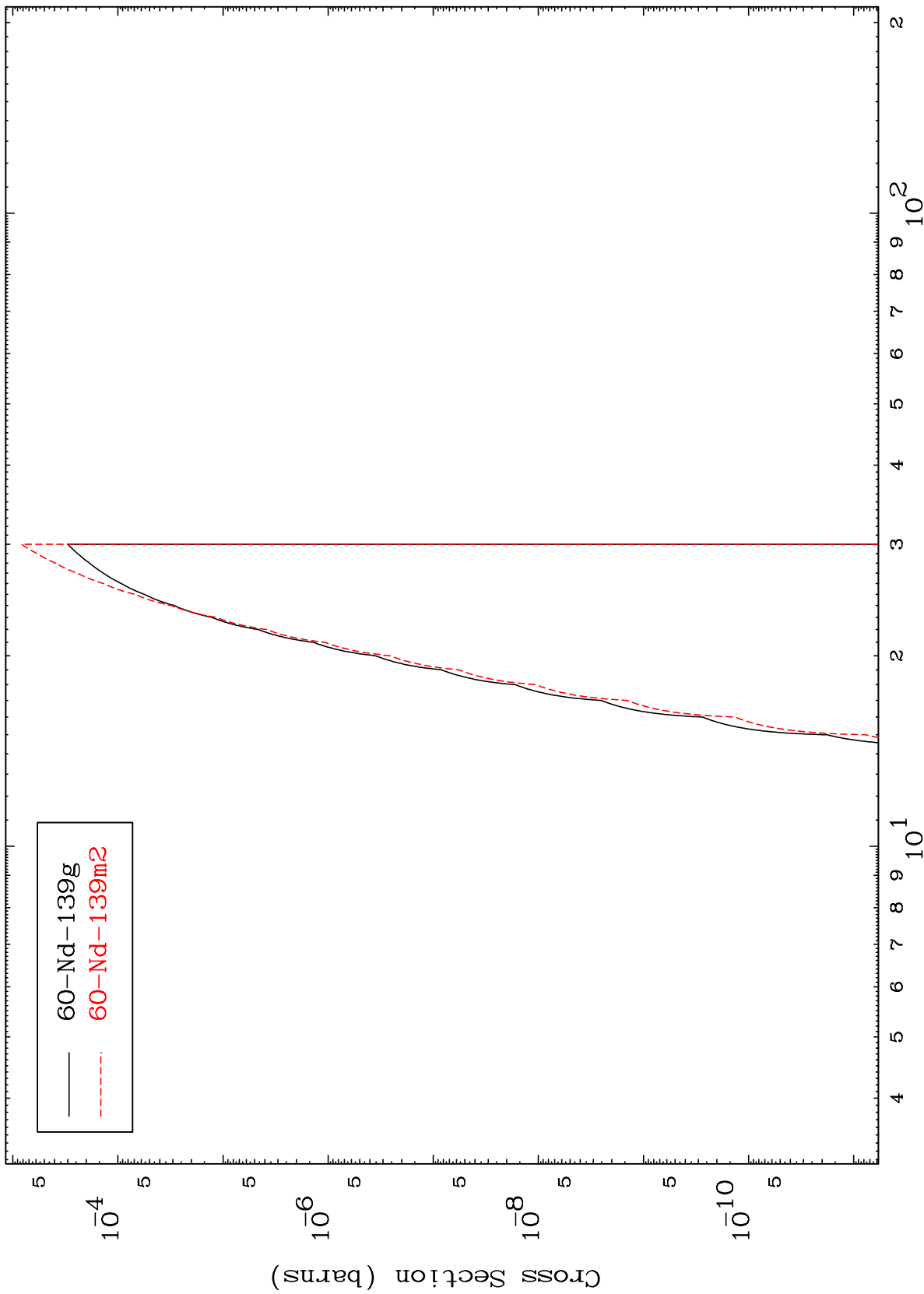
63-Eu-144

MAT 6304

(n,n') p α

63-Eu-144

Radionuclide Production Cross Section



123

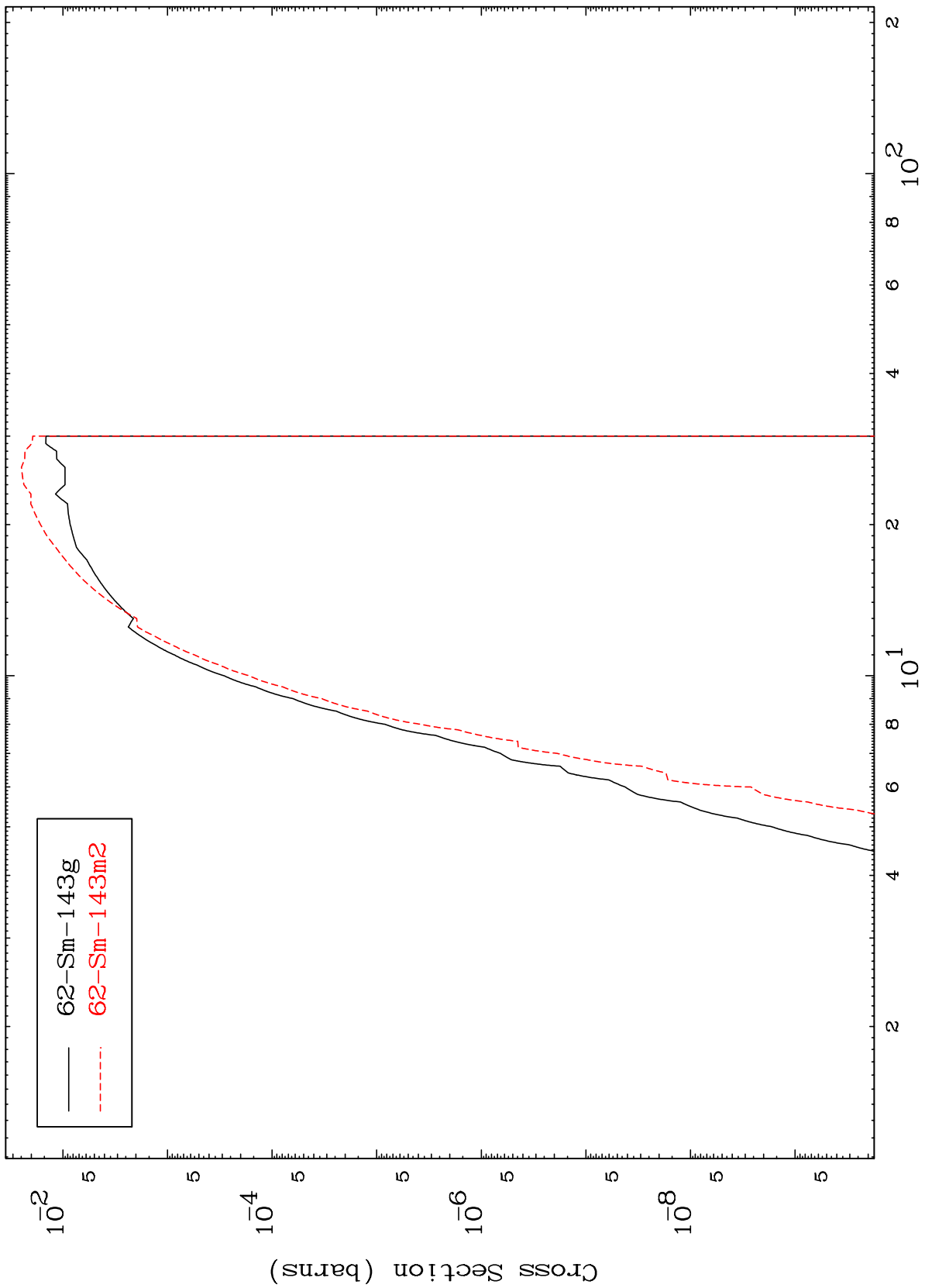
Incident Energy (MeV)

63-Eu-144

MAT 6304

63-Eu-144

(n,d)
Radionuclide Production Cross Section



— 62-Sm-143g
- - - 62-Sm-143m2

124

Incident Energy (MeV)

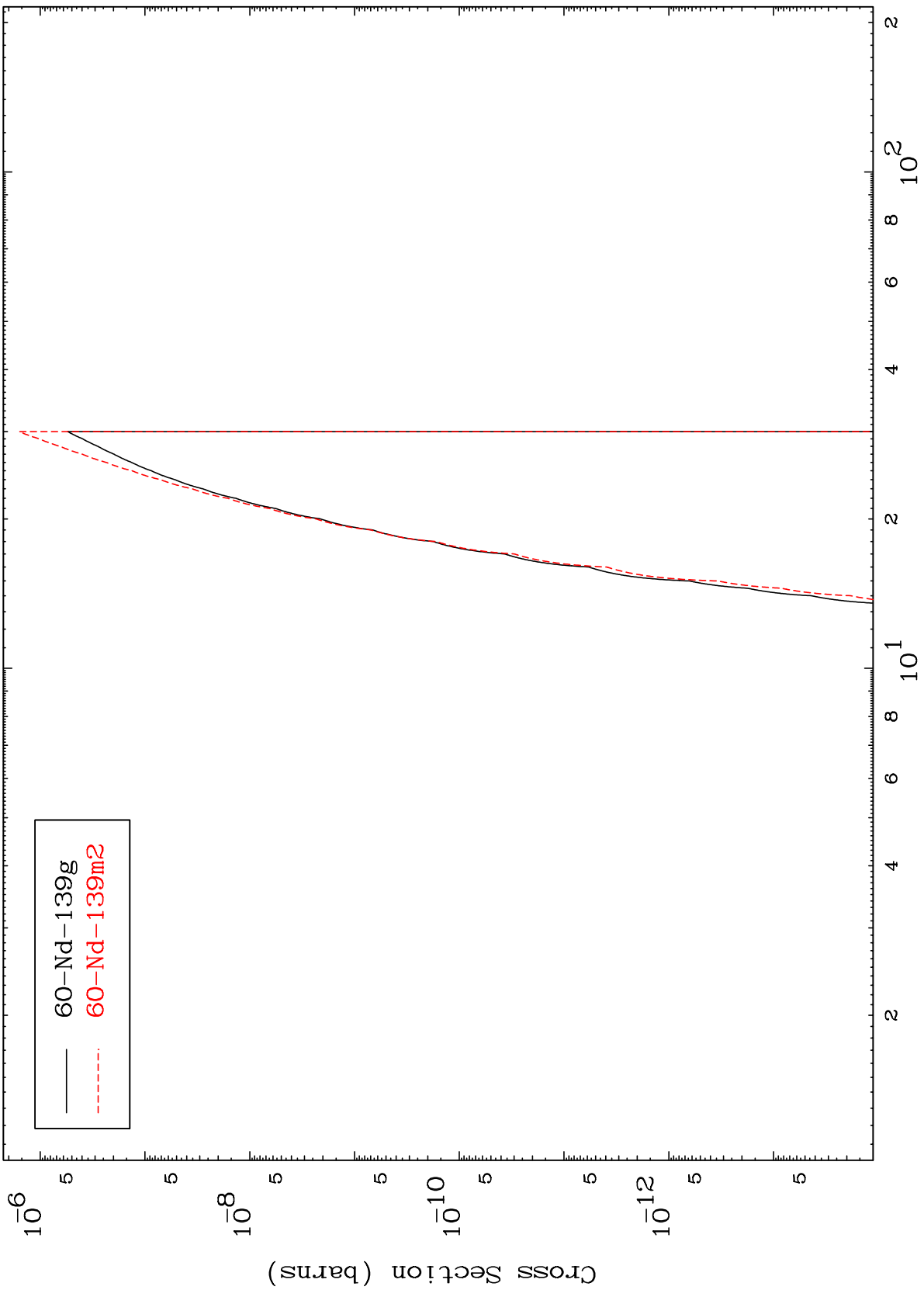
63-Eu-144

MAT 6304

(n,d) α

$^{63}\text{Eu}-144$

Radionuclide Production Cross Section



— $^{60}\text{Nd}-139\text{g}$
- - - $^{60}\text{Nd}-139\text{m}2$

125

Incident Energy (MeV)

$^{63}\text{Eu}-144$