

Program EVALPLOT
(Version 2017-1)

by

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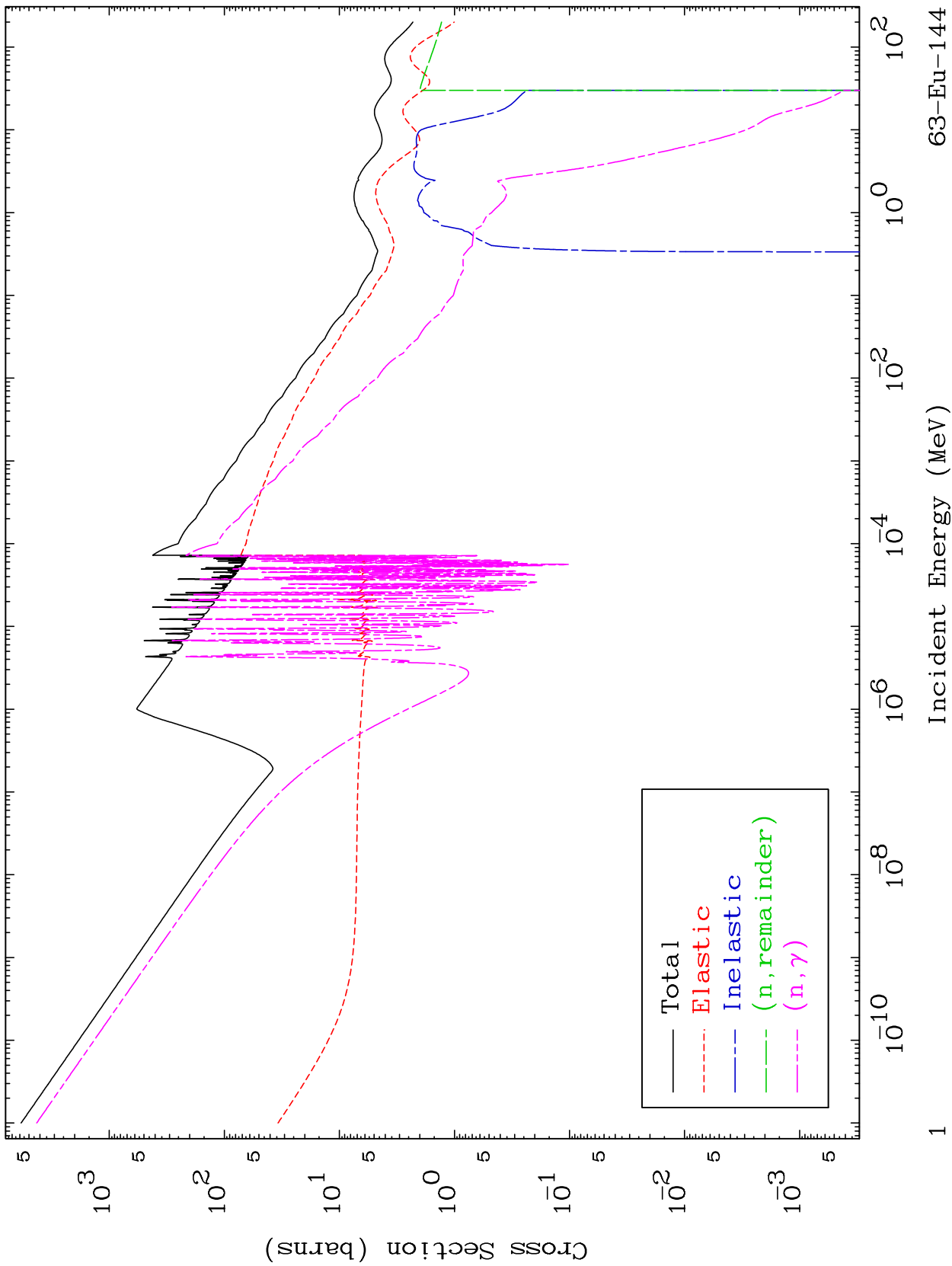
Press Mouse Button to Start

MAT 6304

Major

293 Kelvin Cross Sections

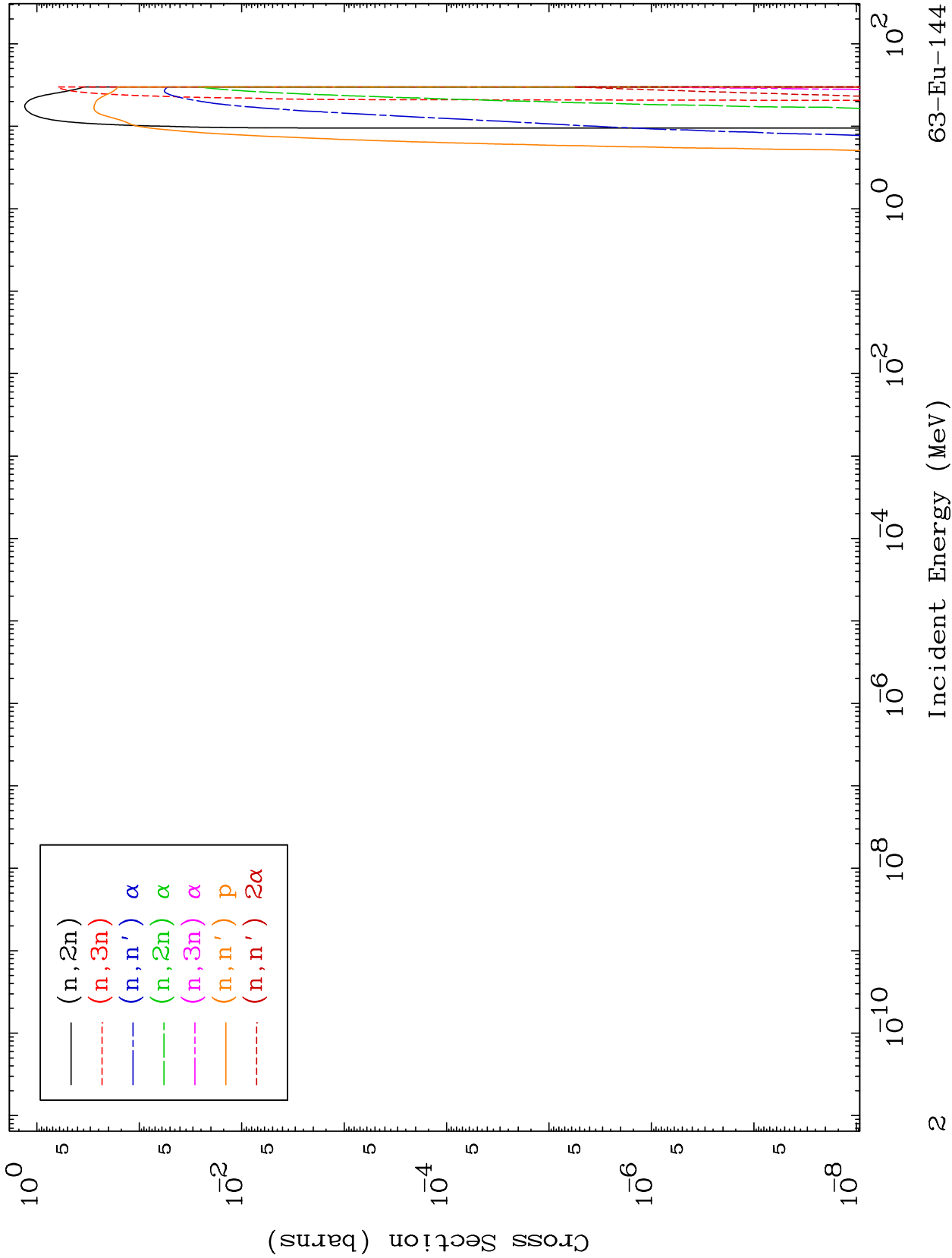
63-Eu-144

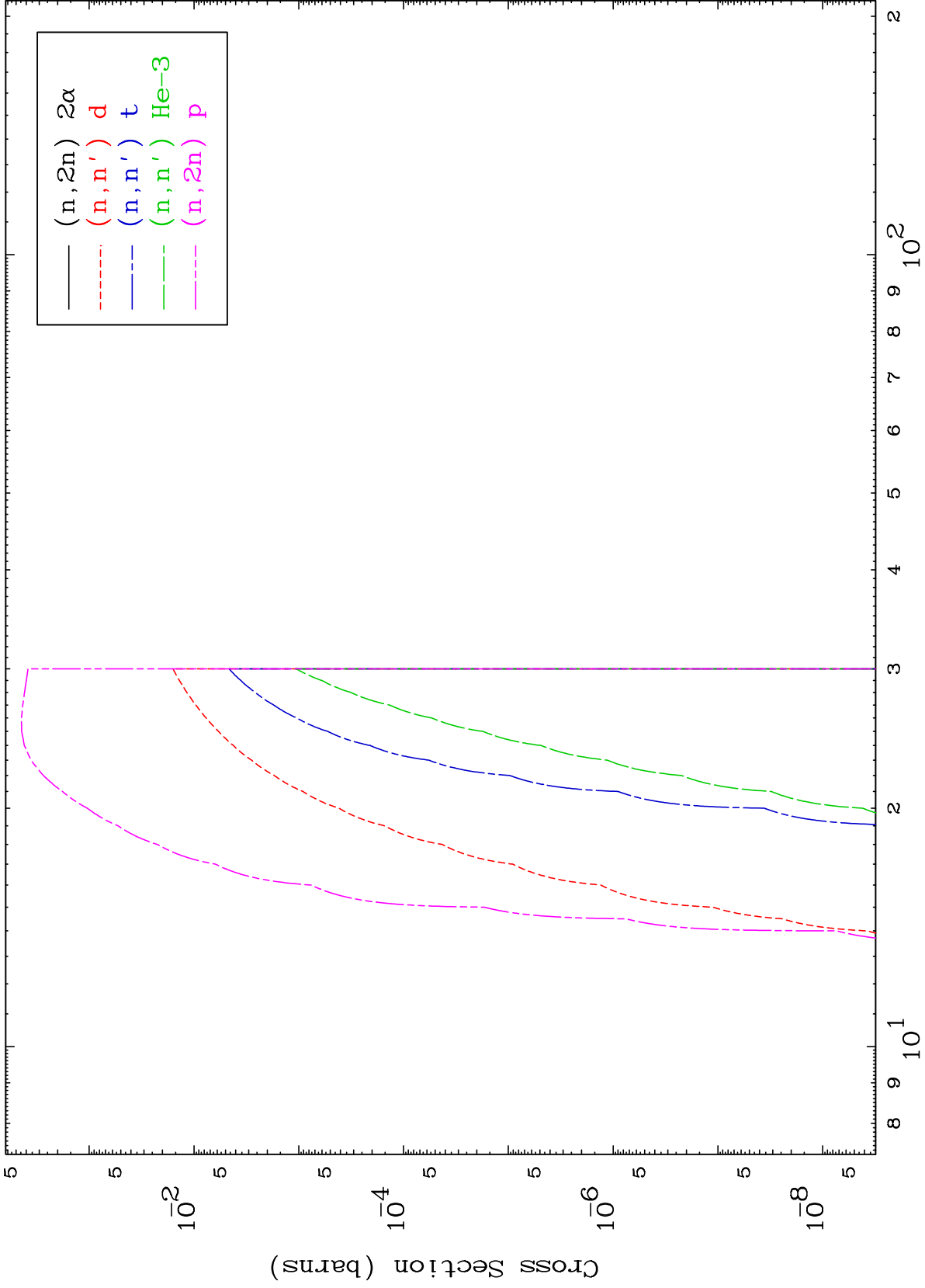


MAT 6304

Neutron Production
293 Kelvin Cross Sections

63-Eu-144

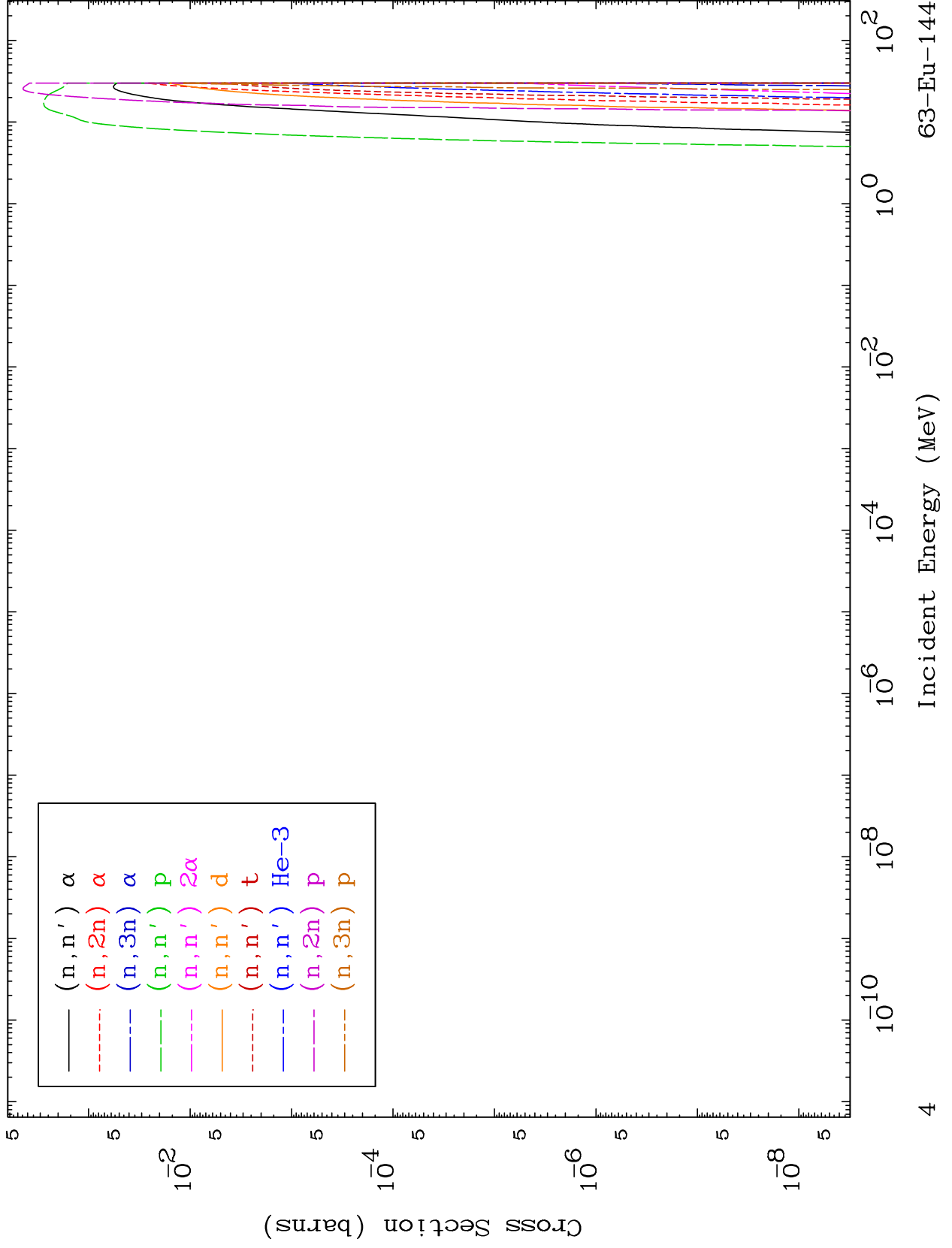




MAT 6304

Charged Particle
293 Kelvin Cross Sections

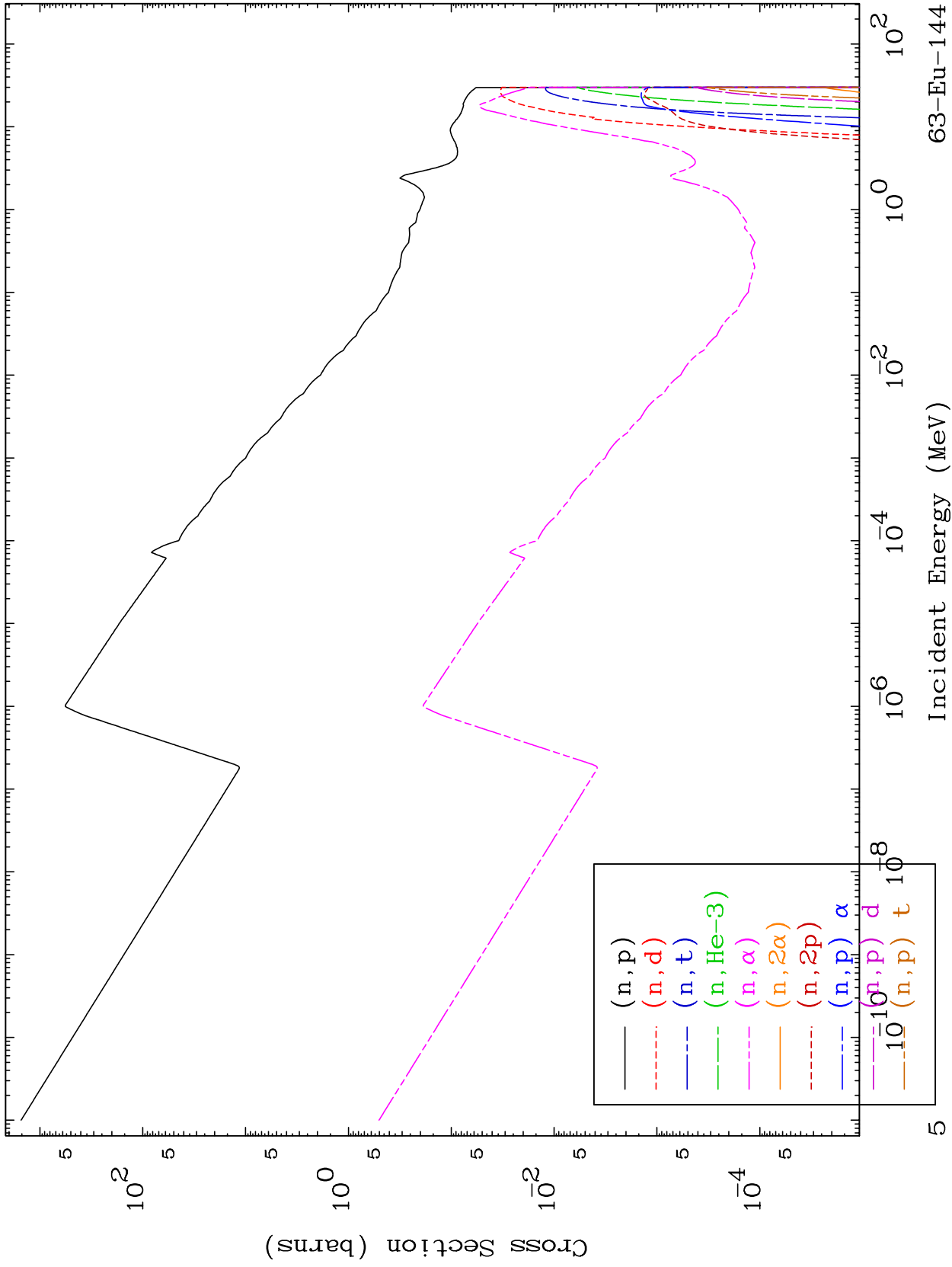
63-Eu-144



MAT 6304

Charged Particle
293 Kelvin Cross Sections

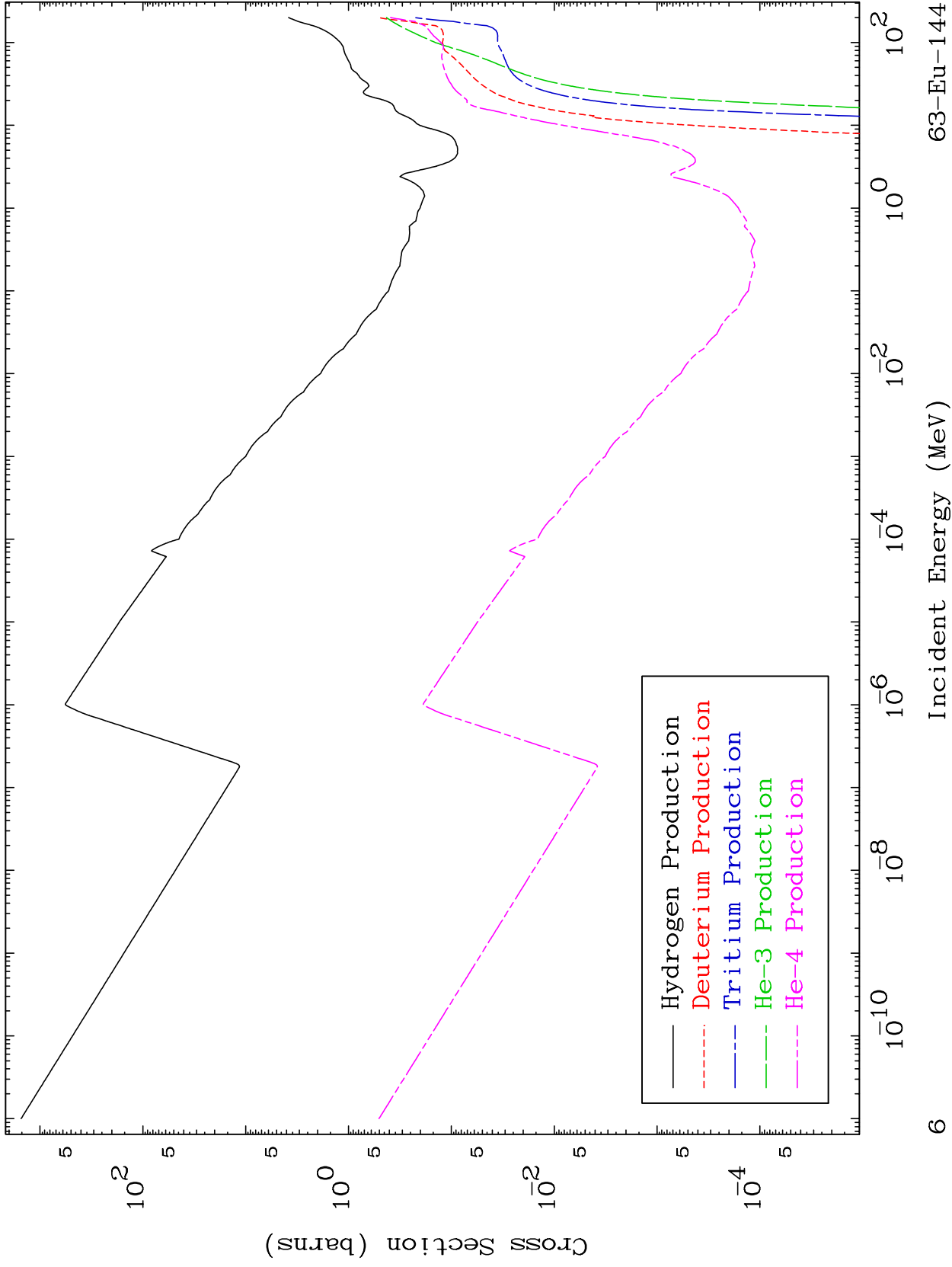
63-Eu-144



MAT 6304

Particle Production
293 Kelvin Cross Sections

63-Eu-144

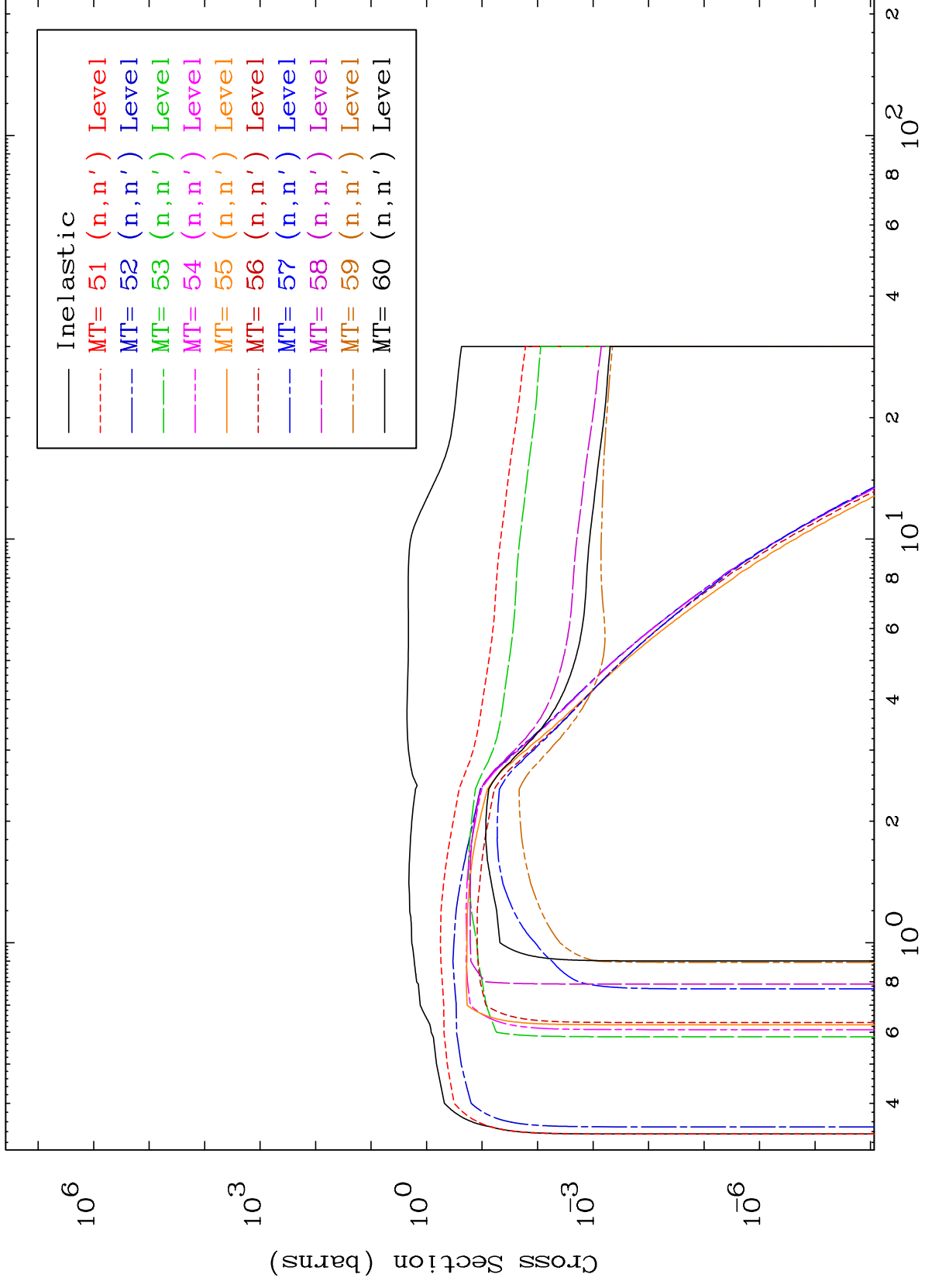


MAT 6304

(n,n') Level

63-Eu-144

293 Kelvin Cross Sections

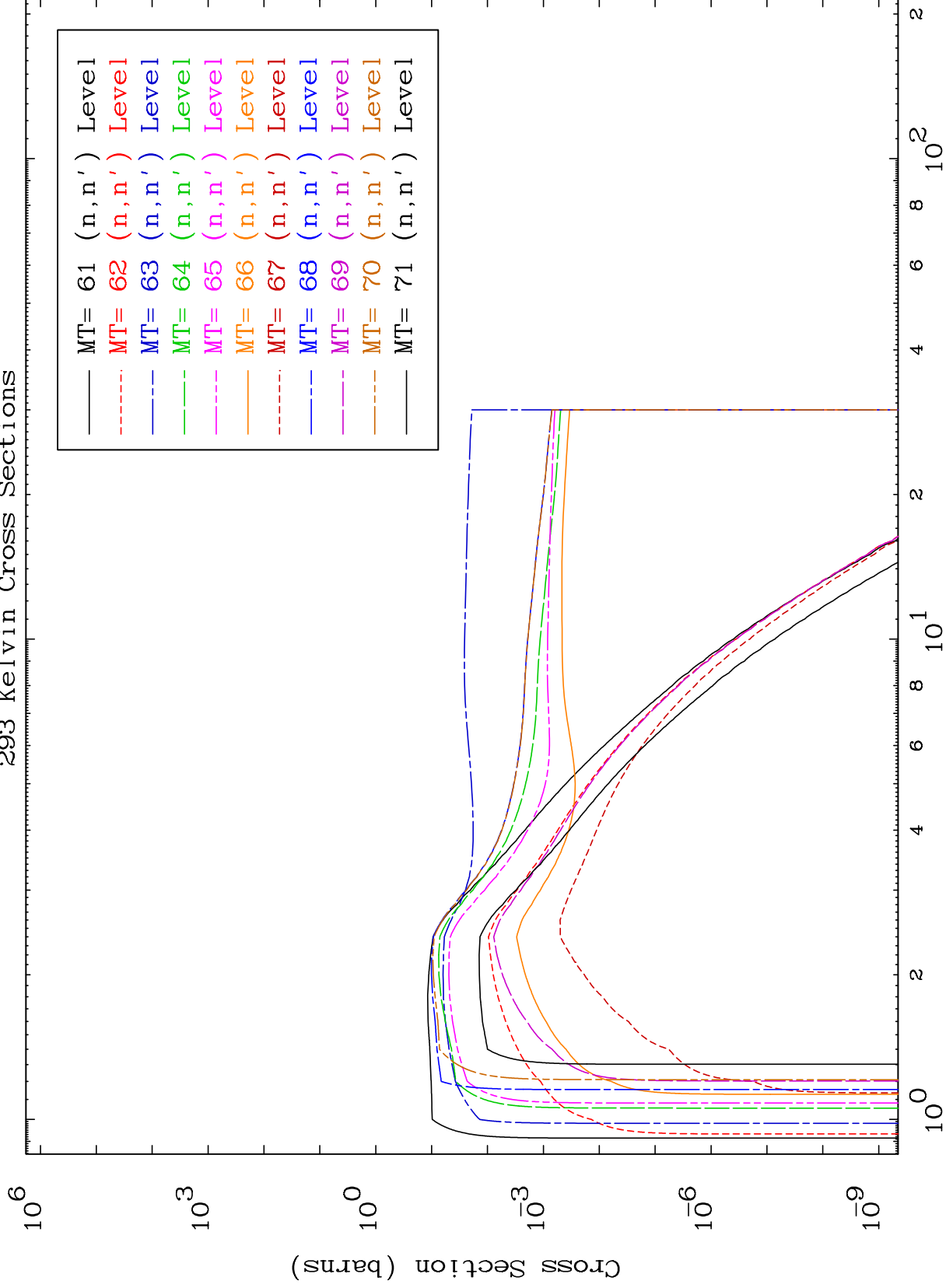


MAT 6304

(n,n') Level

63-Eu-144

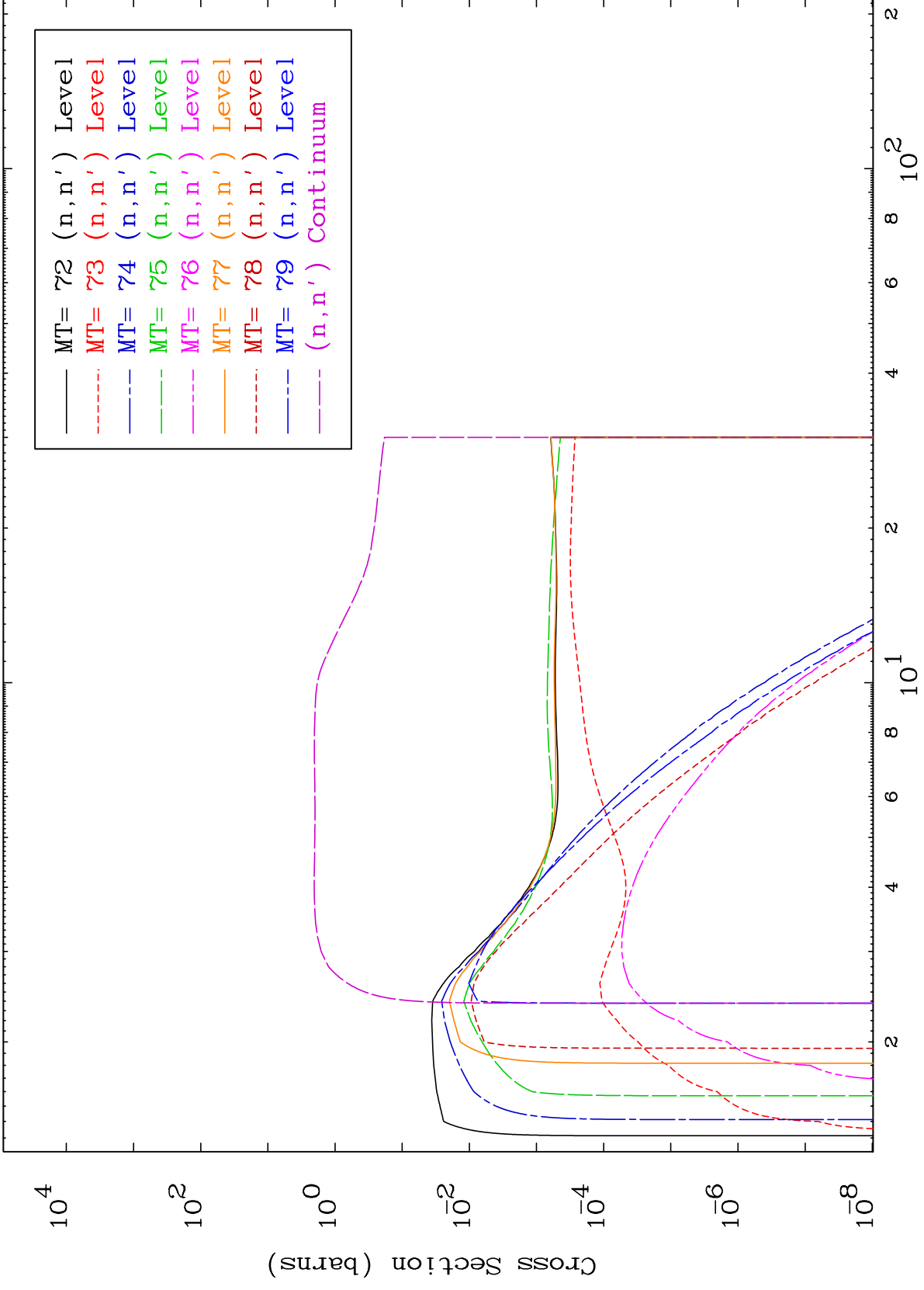
293 Kelvin Cross Sections



Incident Energy (MeV)

63-Eu-144

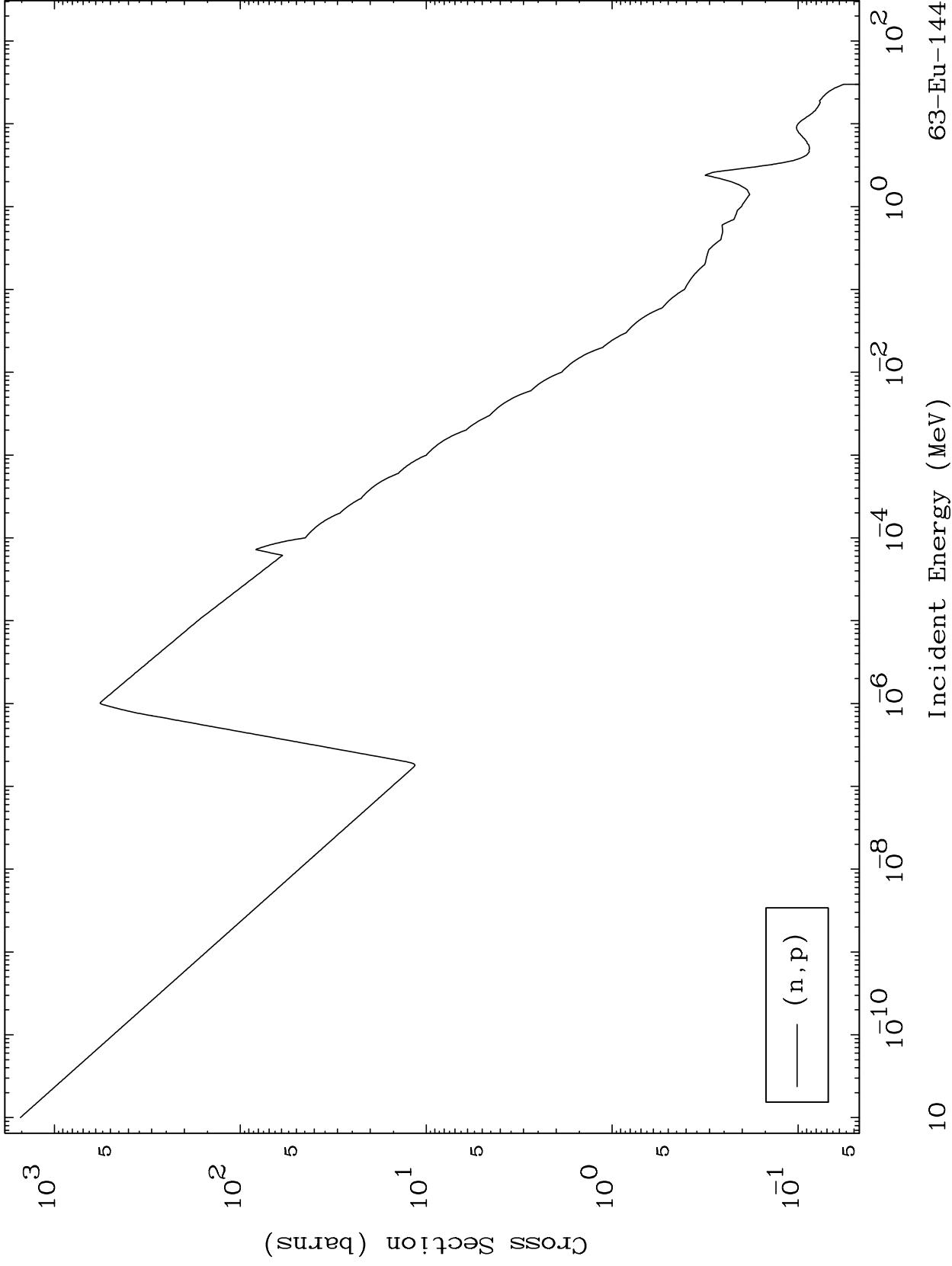
293 Kelvin Cross Sections



MAT 6304

(n,p) Levels
293 Kelvin Cross Sections

63-Eu-144



(n,p)

63-Eu-144

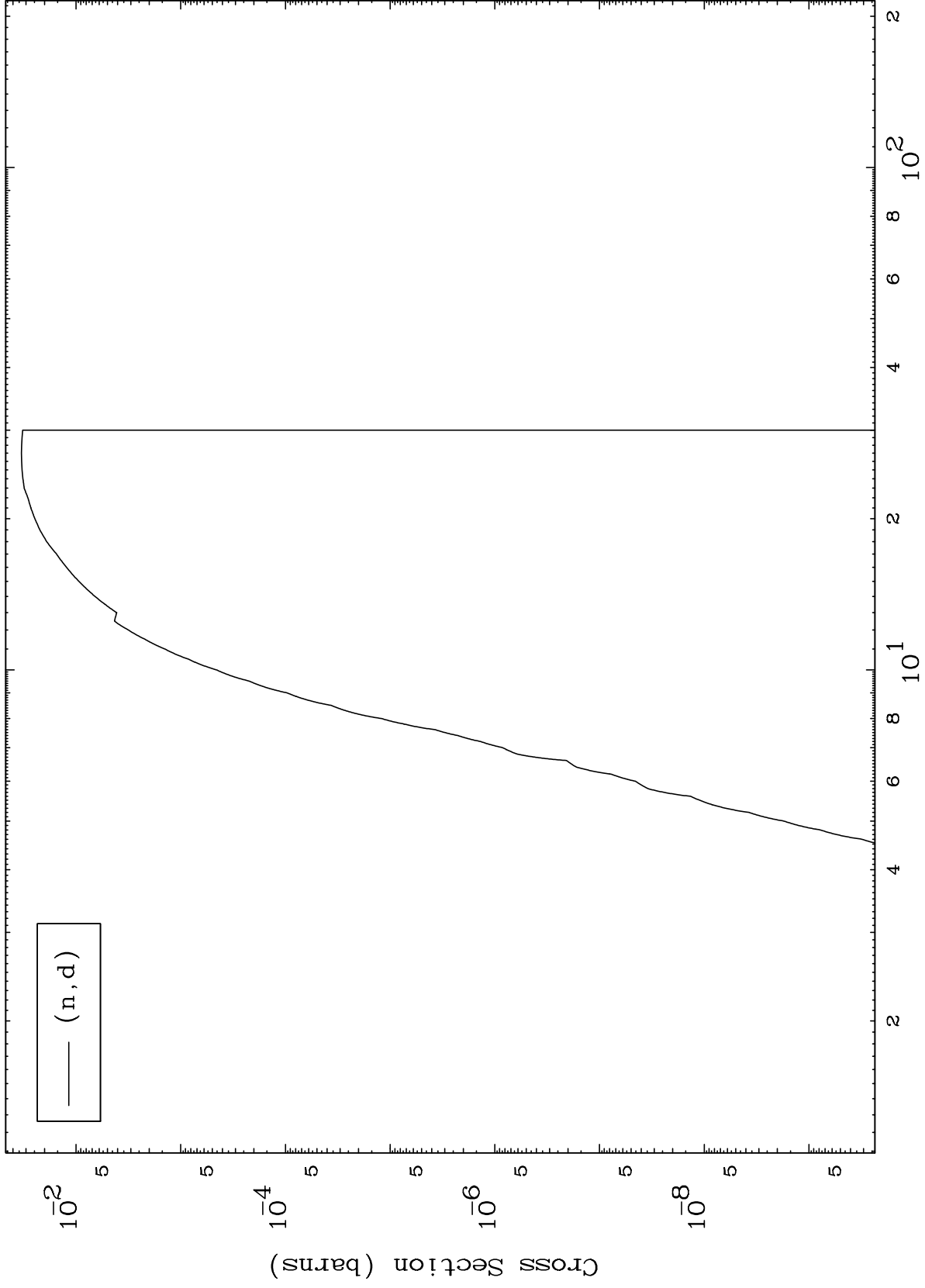
Incident Energy (MeV)

10

MAT 6304

(n,d) Levels
293 Kelvin Cross Sections

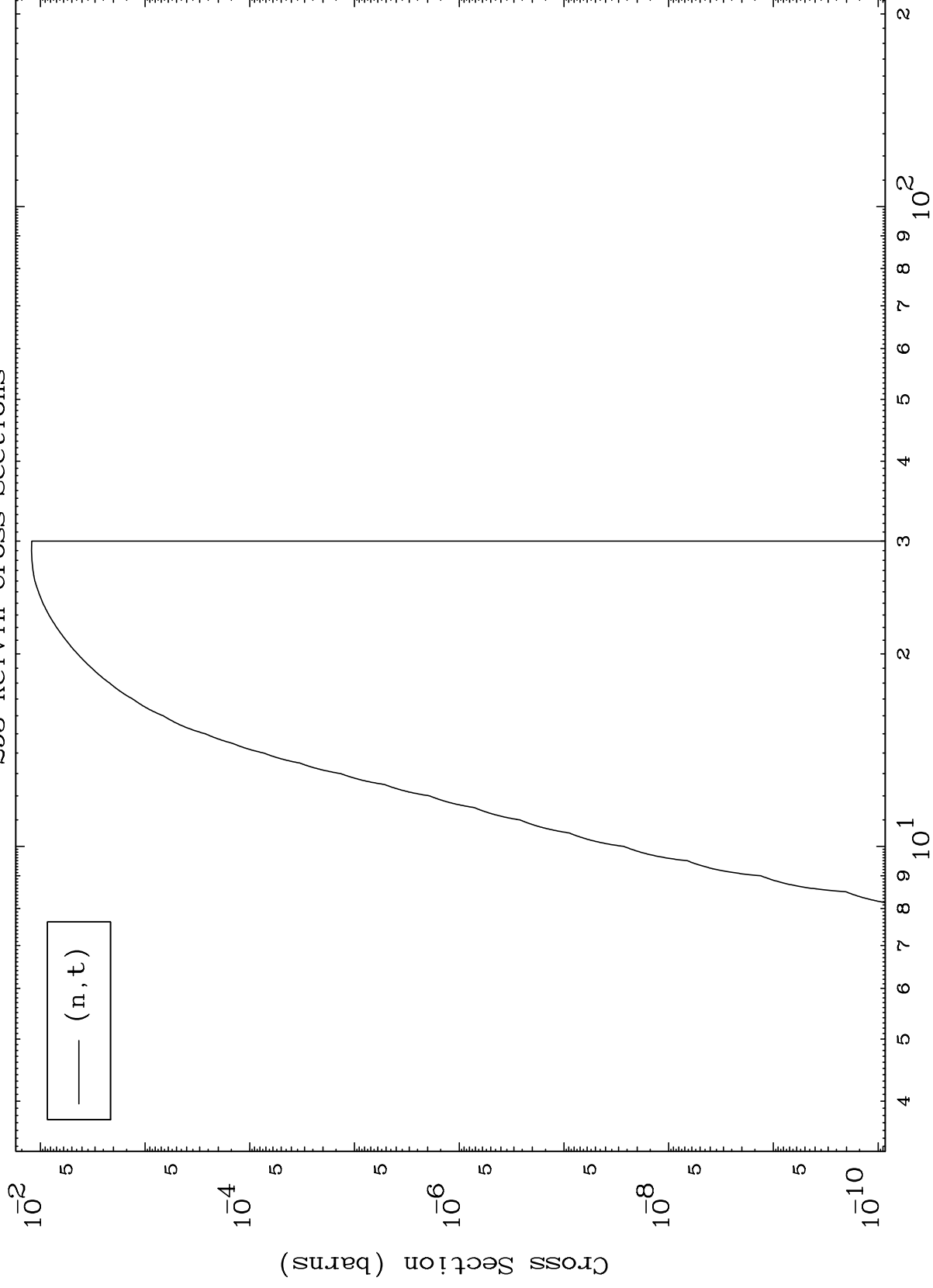
63-Eu-144



MAT 6304

(n,t) Levels
293 Kelvin Cross Sections

63-Eu-144



12

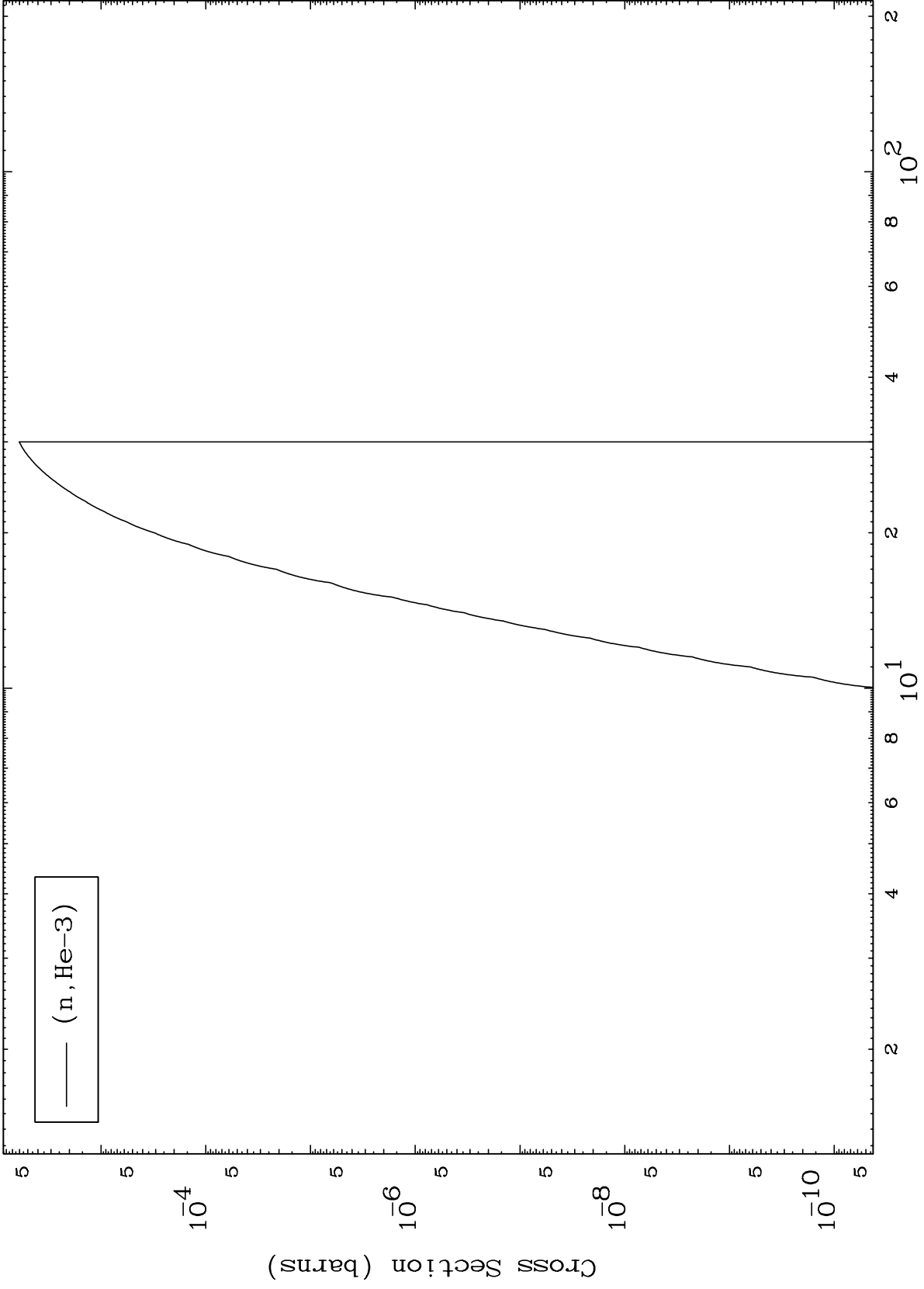
Incident Energy (MeV)

63-Eu-144

MAT 6304

(n,He3) Levels
293 Kelvin Cross Sections

63-Eu-144



13

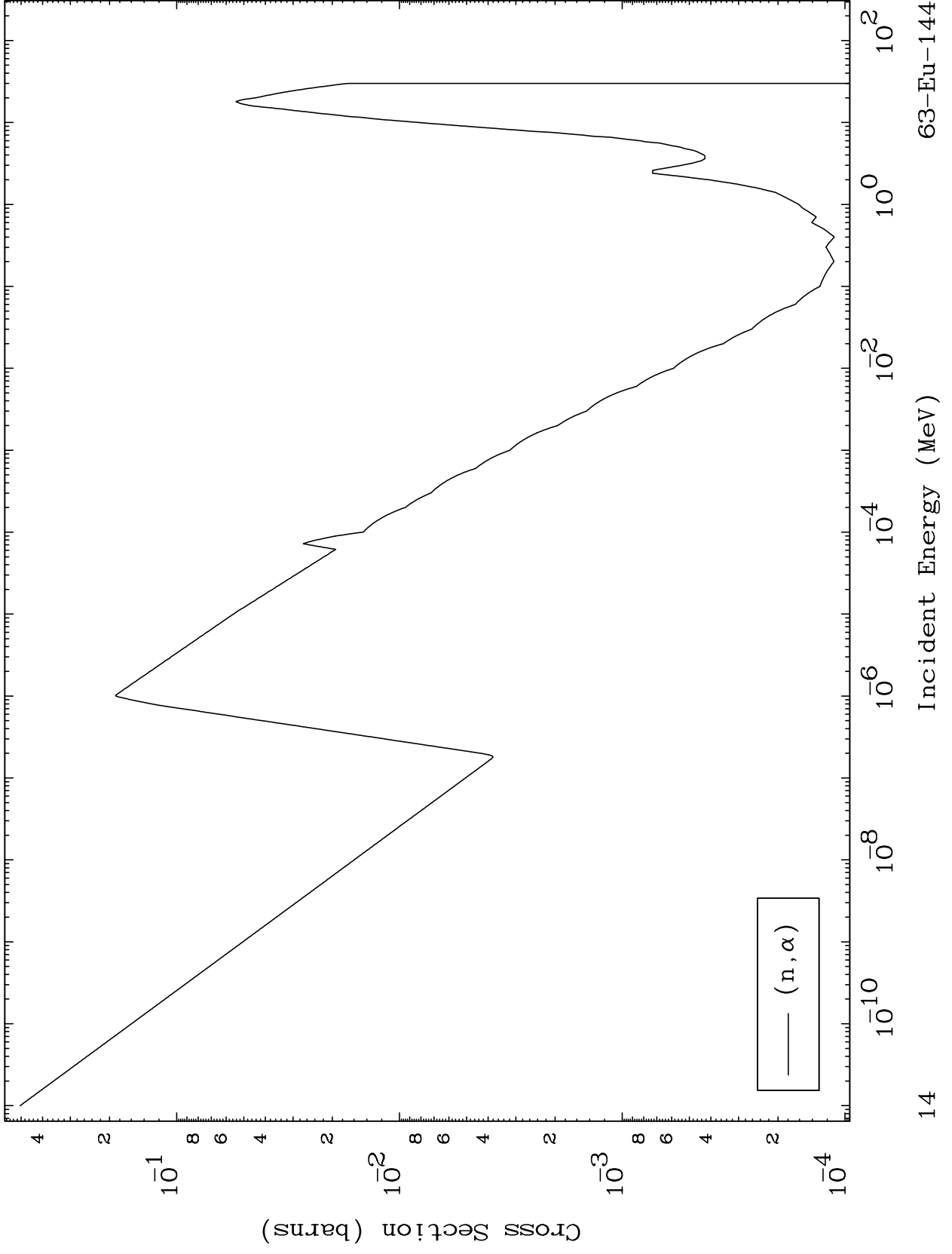
Incident Energy (MeV)

63-Eu-144

MAT 6304

(n, α) Levels
293 Kelvin Cross Sections

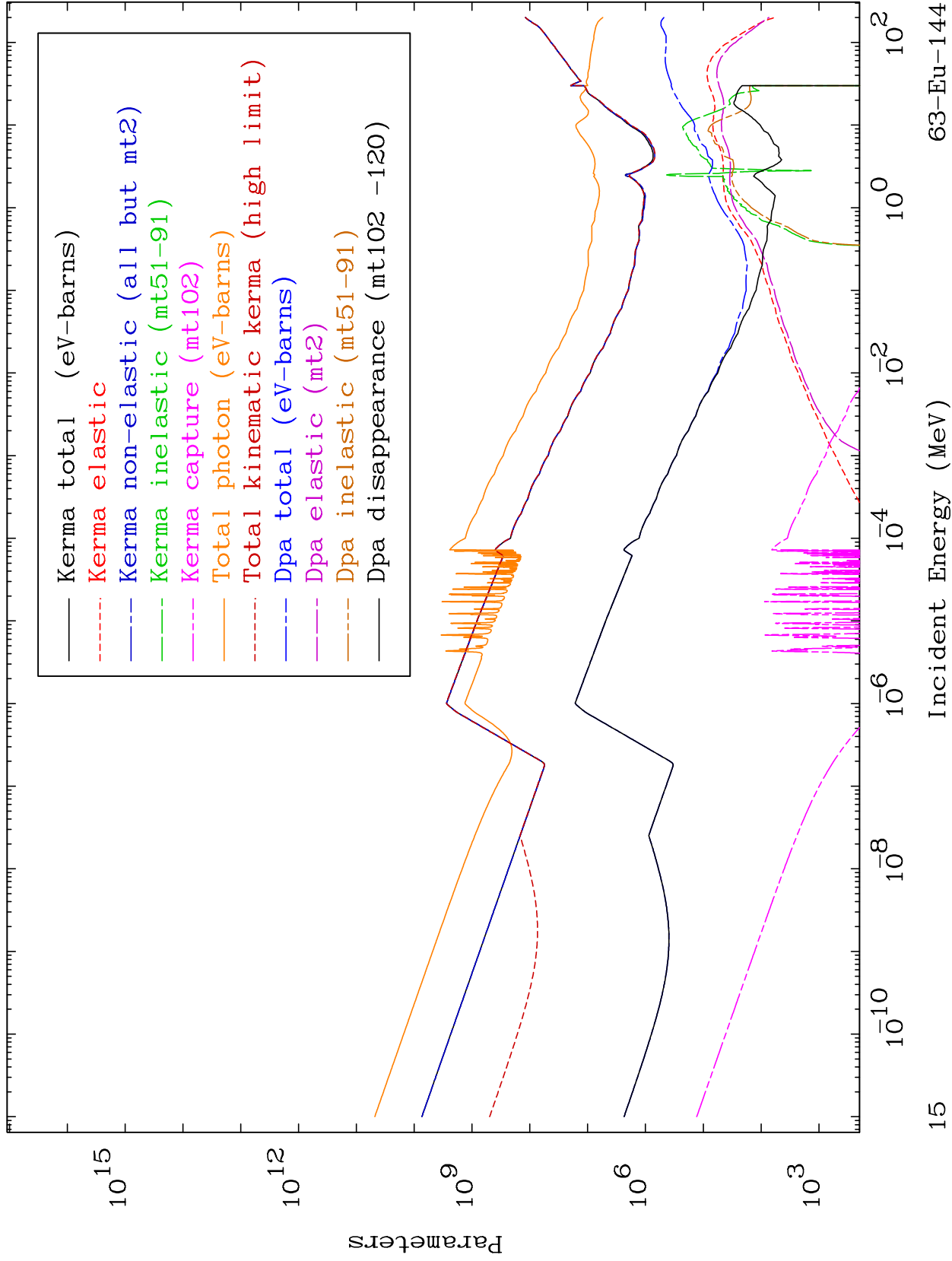
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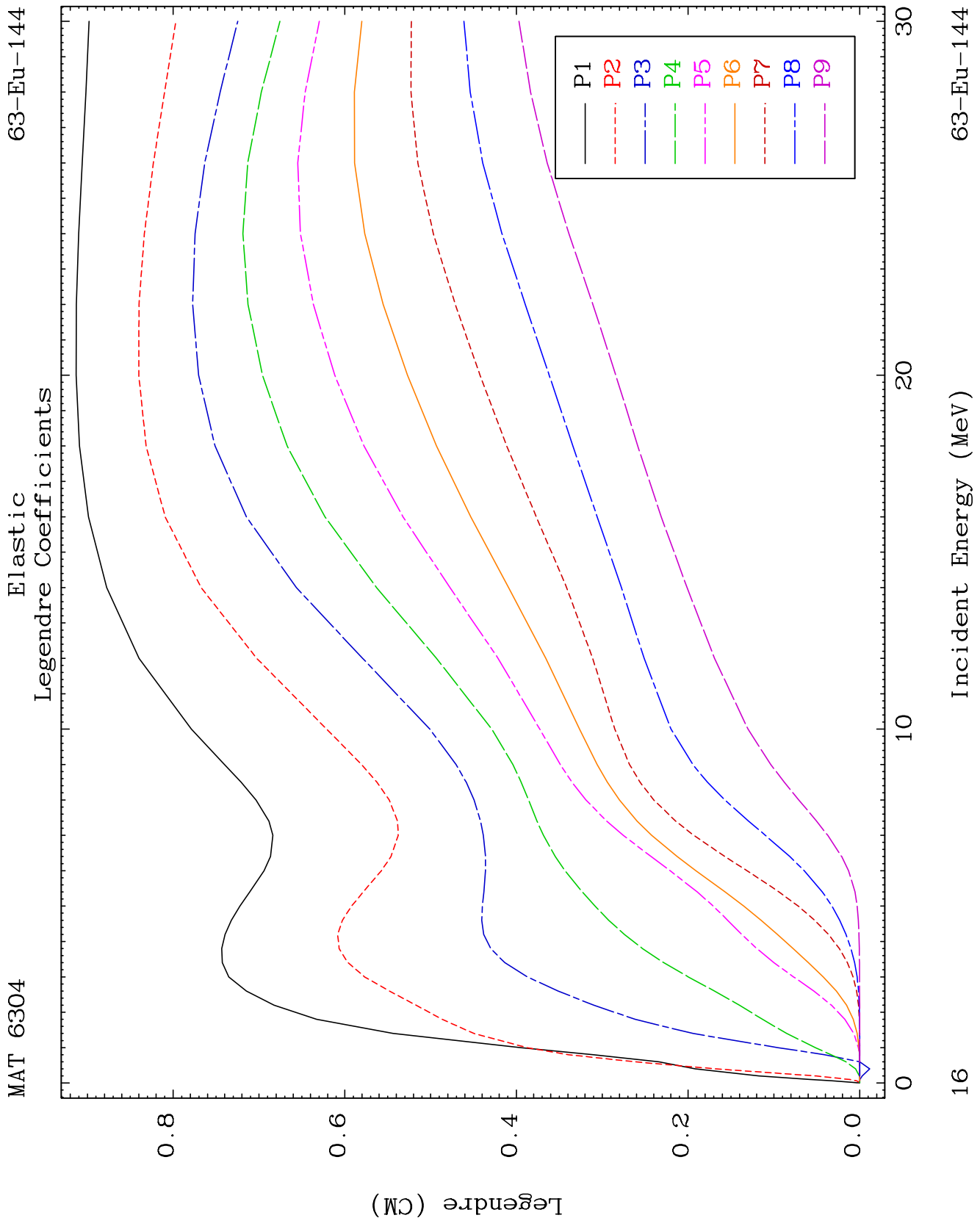


14

Incident Energy (MeV)

63-Eu-144

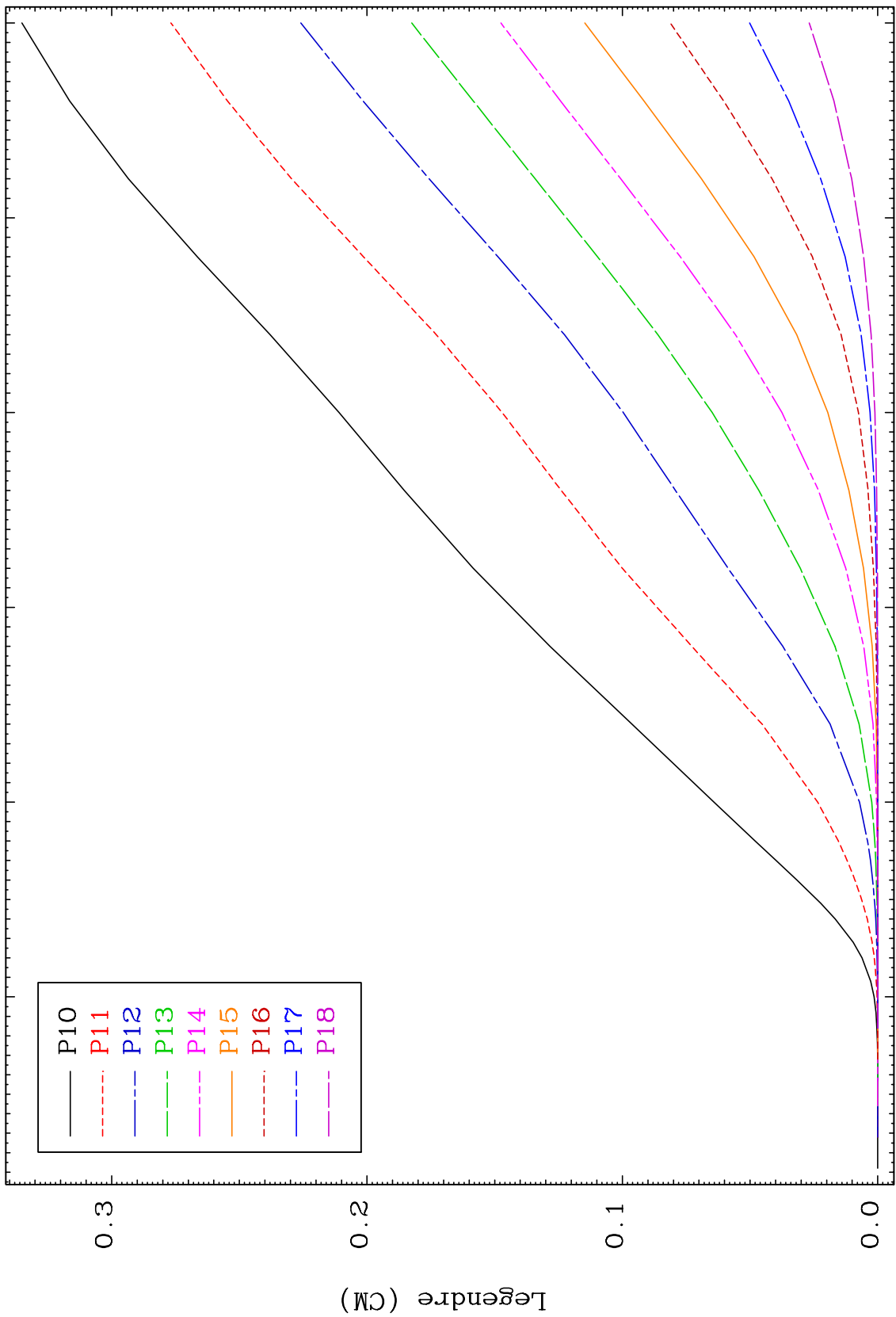




MAT 6304

Elastic Legendre Coefficients

63-Eu-144



17

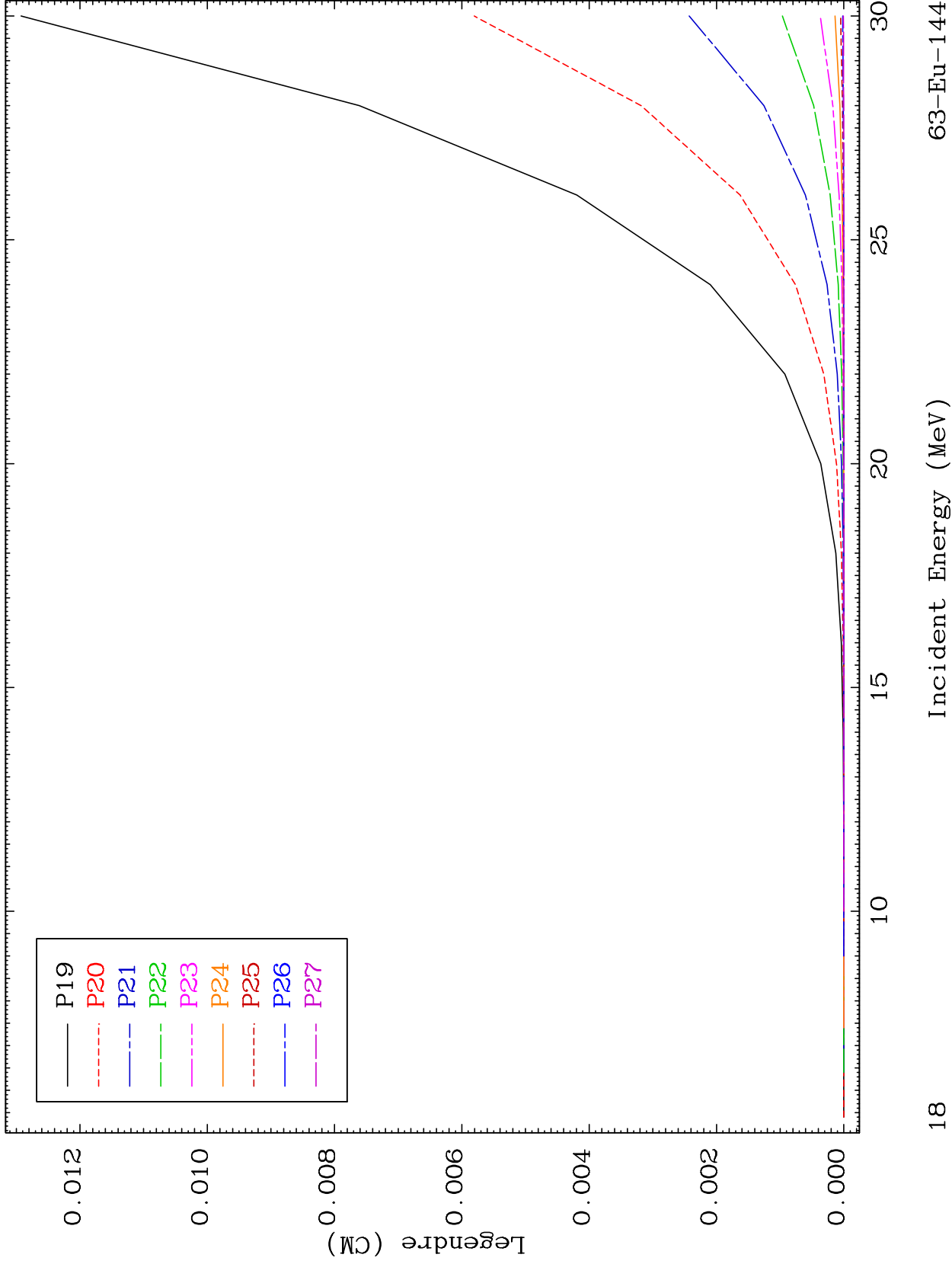
Incident Energy (MeV)

63-Eu-144

MAT 6304

Elastic Legendre Coefficients

63-Eu-144



18

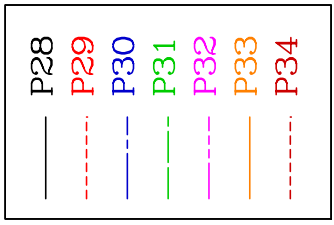
Incident Energy (MeV)

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

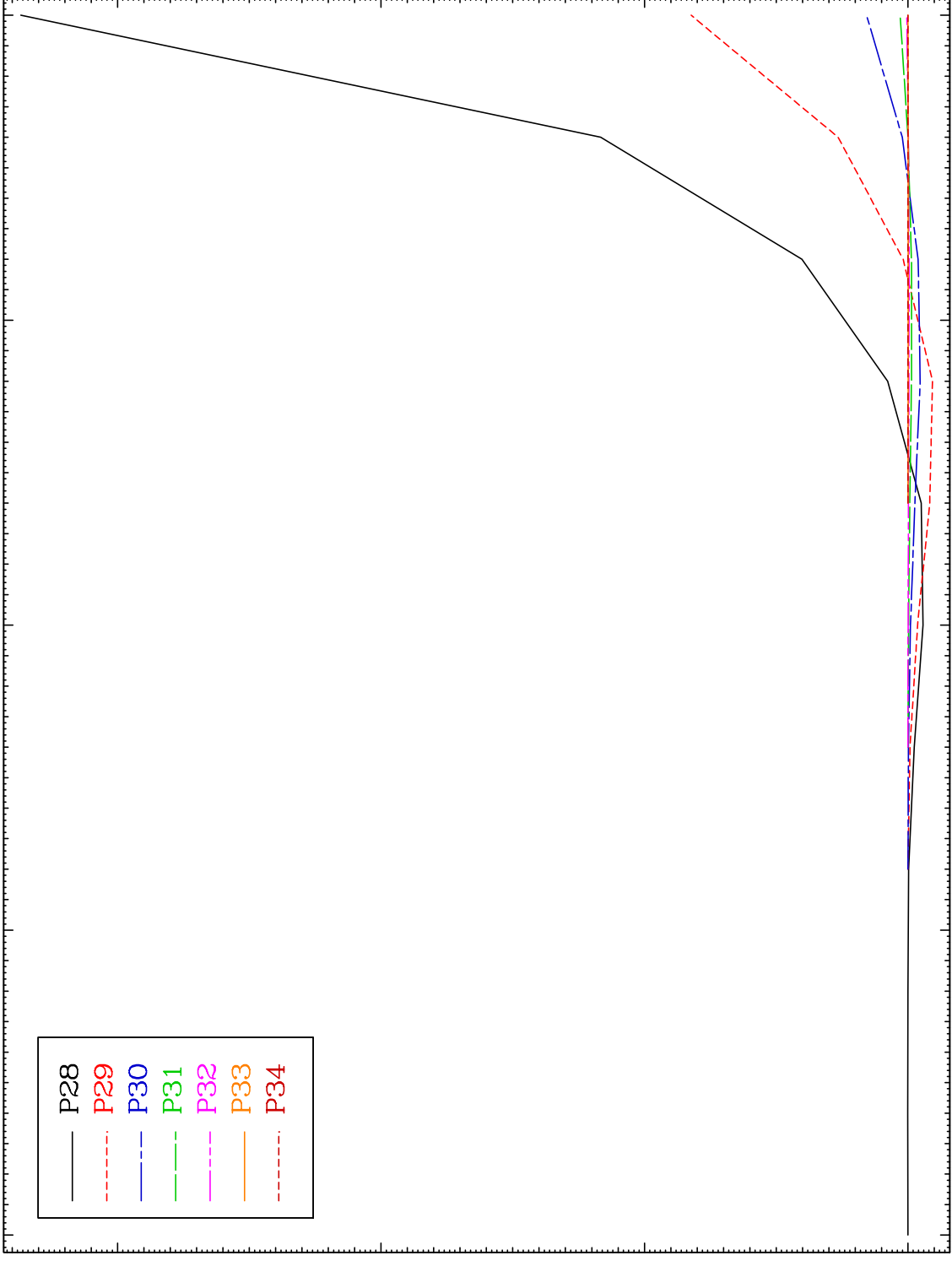
25

30

19

Incident Energy (MeV)

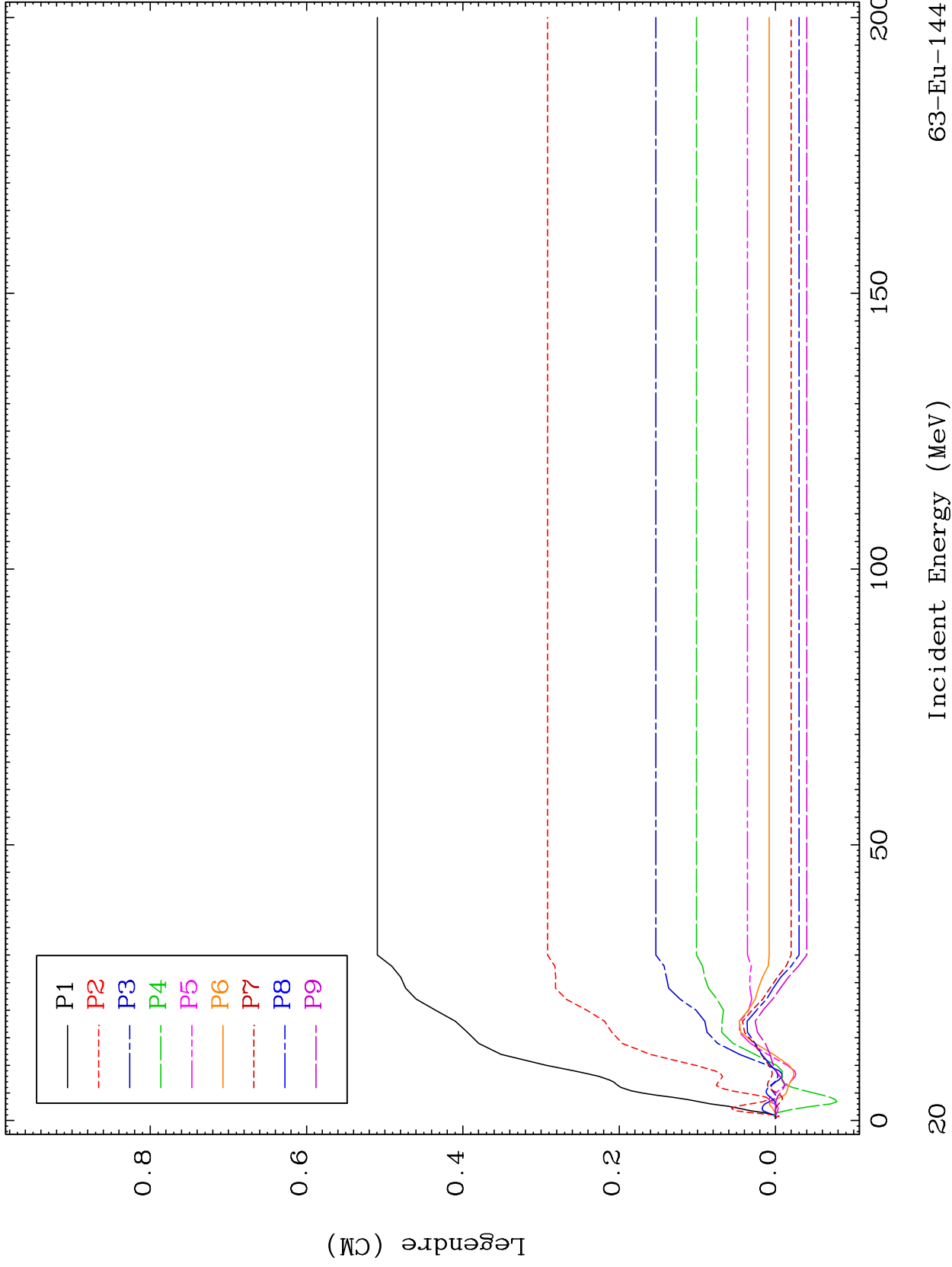
63-Eu-144



MAT 6304

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

63-Eu-144



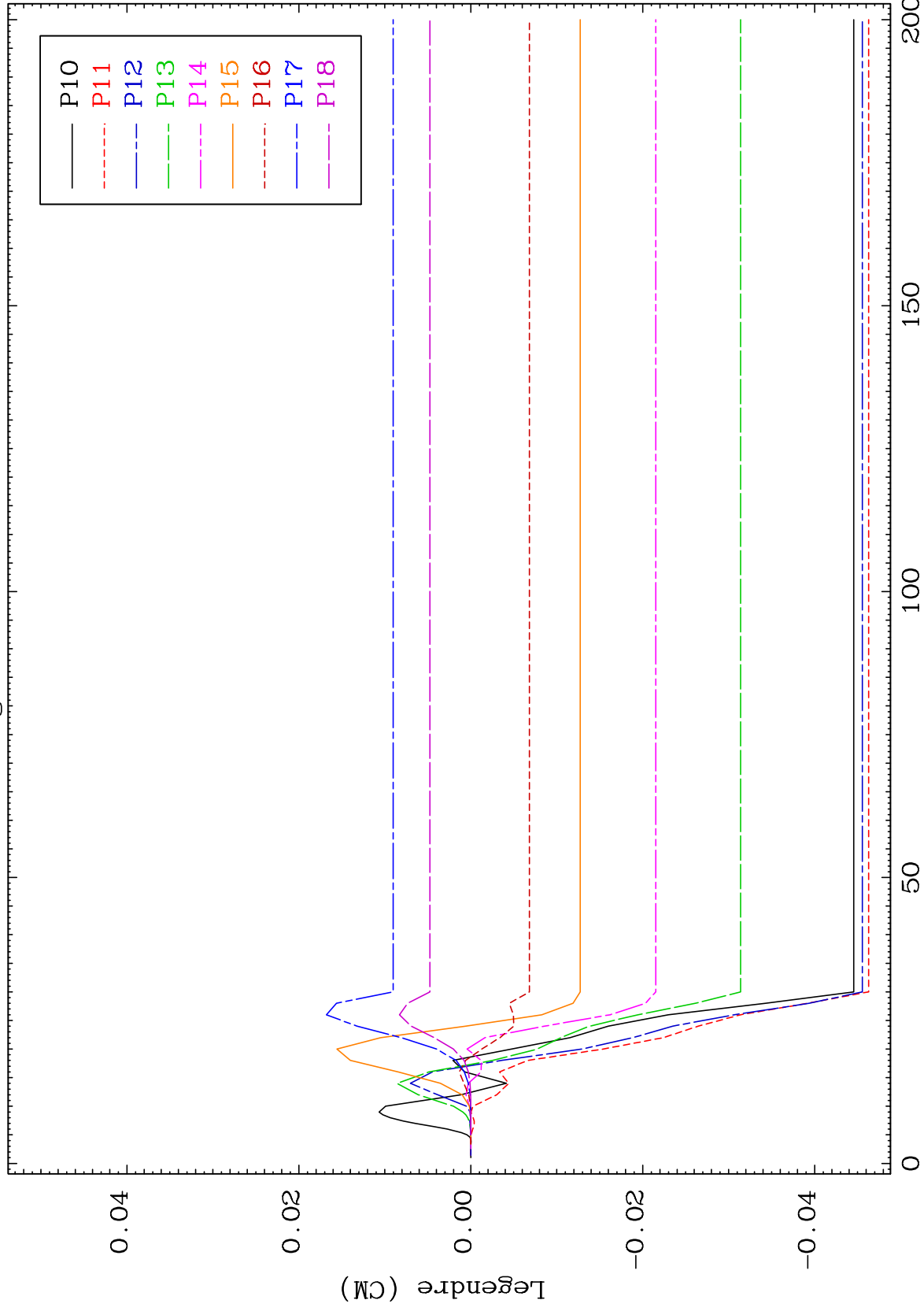
63-Eu-144

Incident Energy (MeV)

MAT 6304

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

63-Eu-144



21

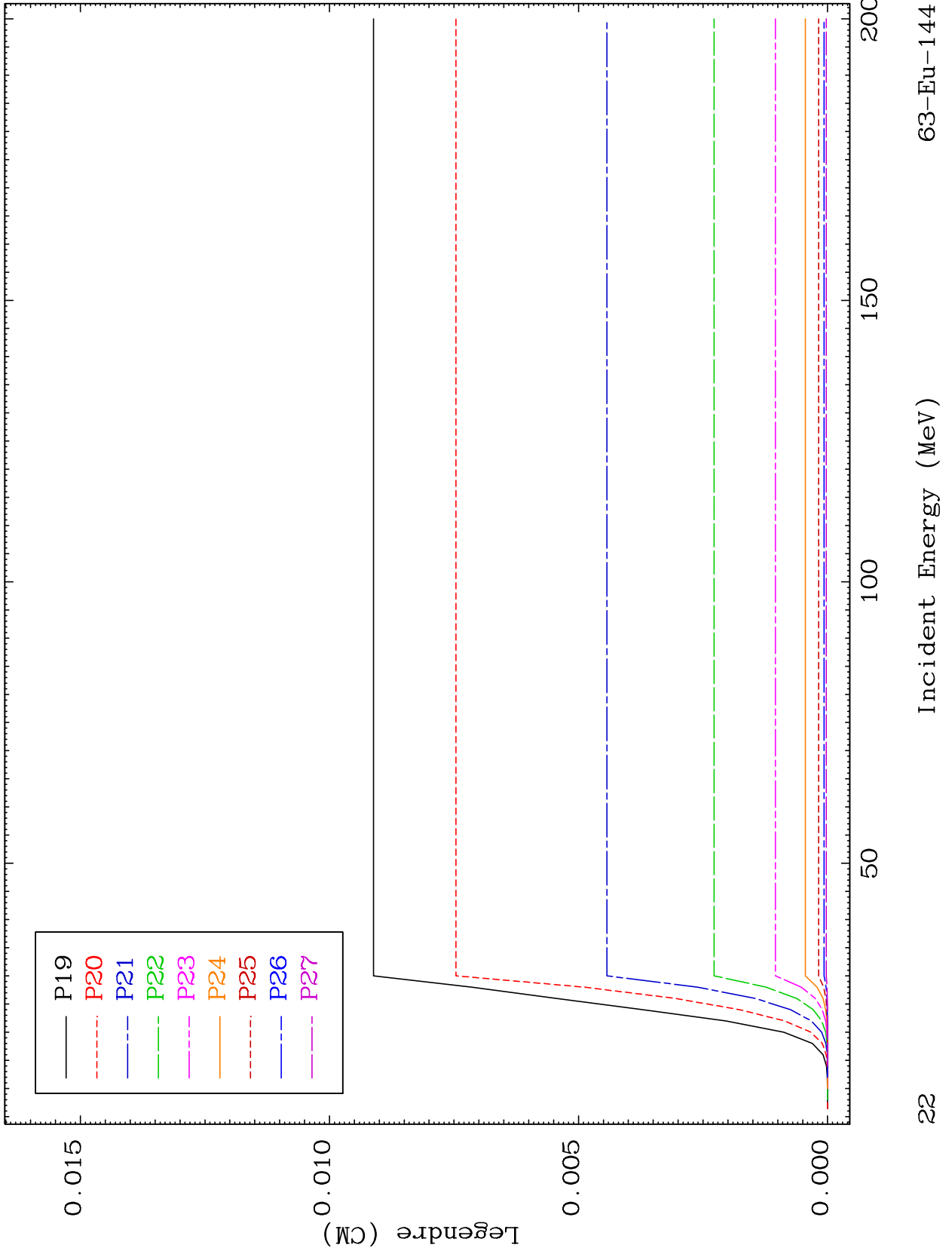
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



22

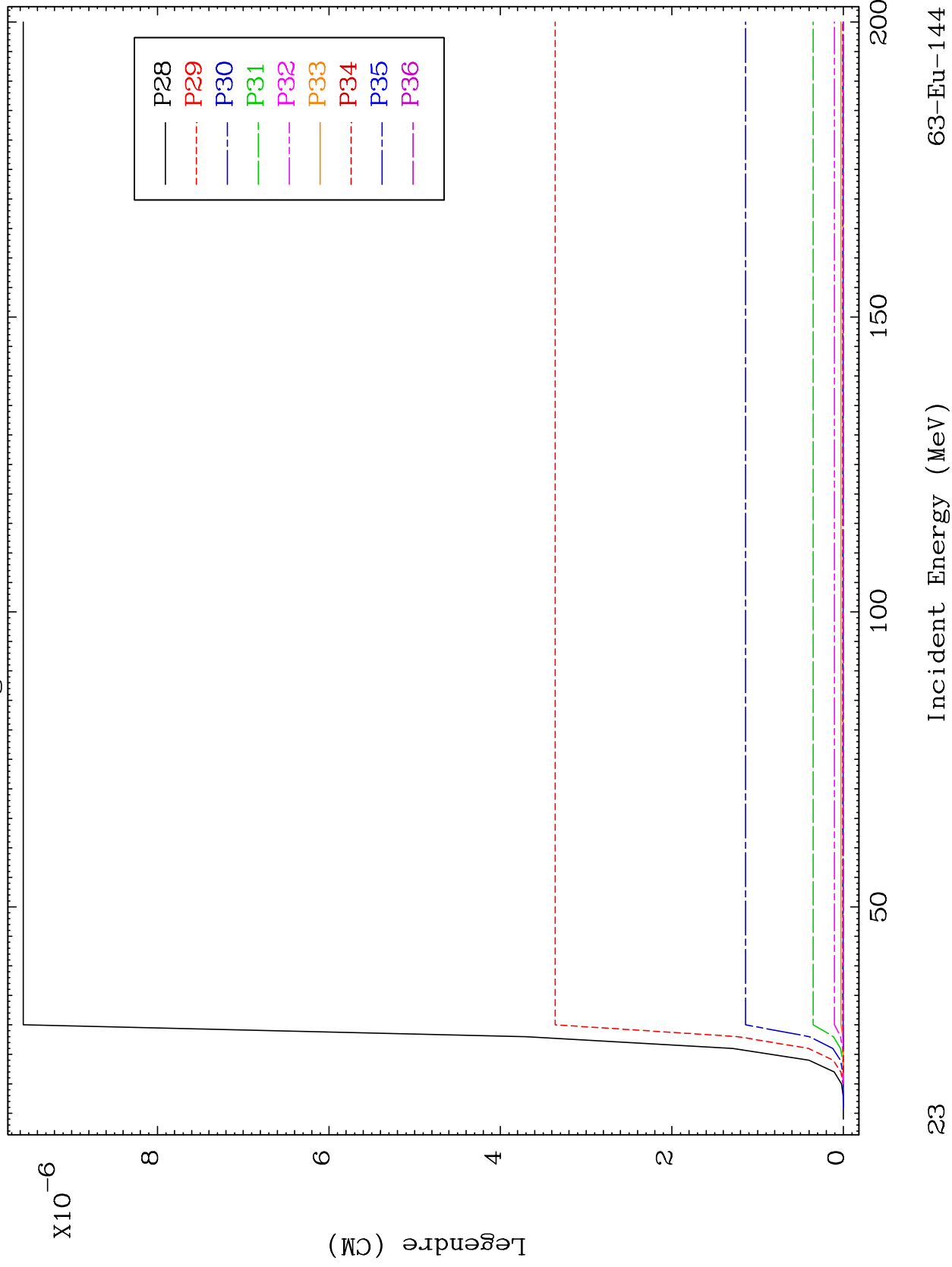
Incident Energy (MeV)

63-Eu-144

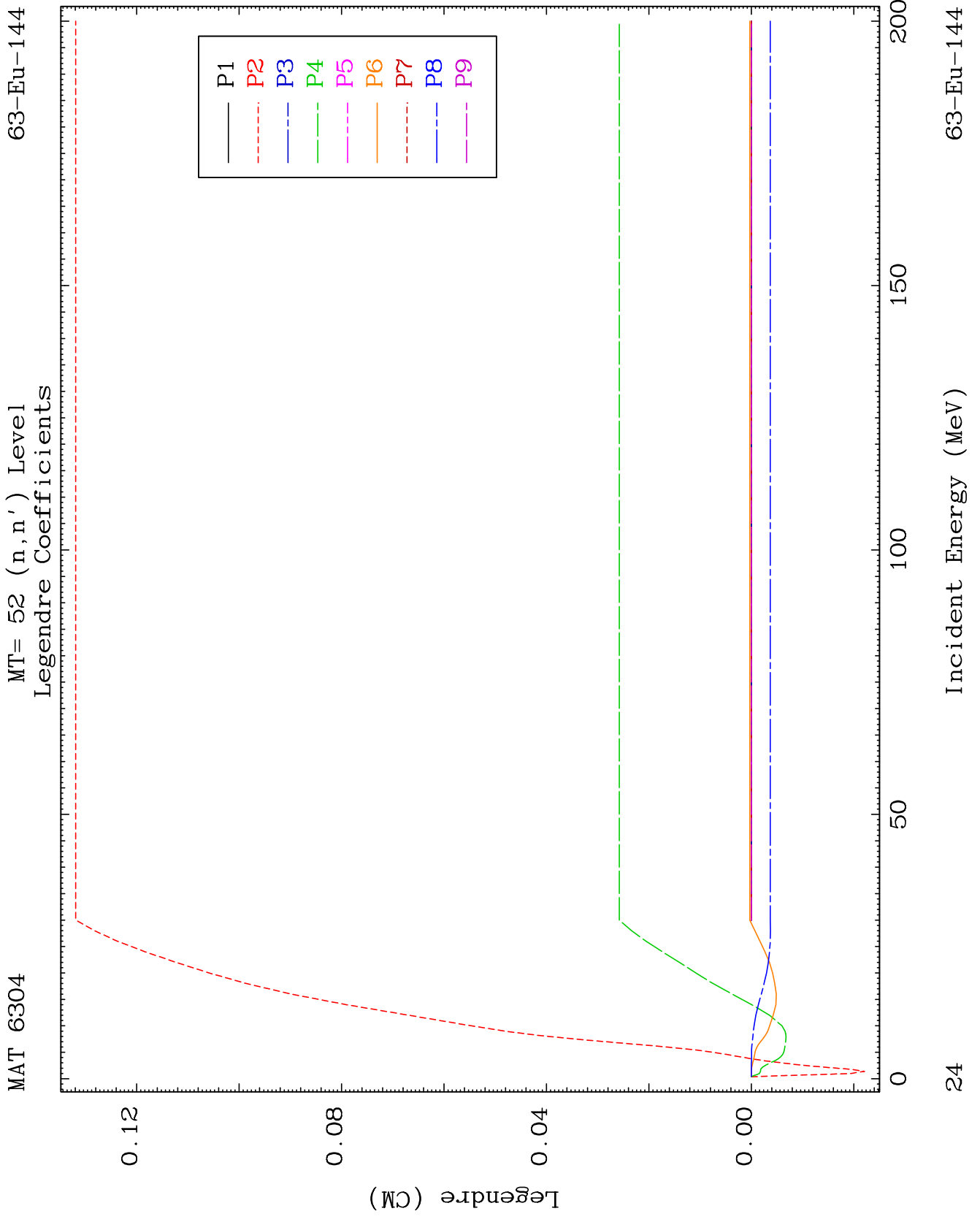
MAT 6304

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

63-Eu-144



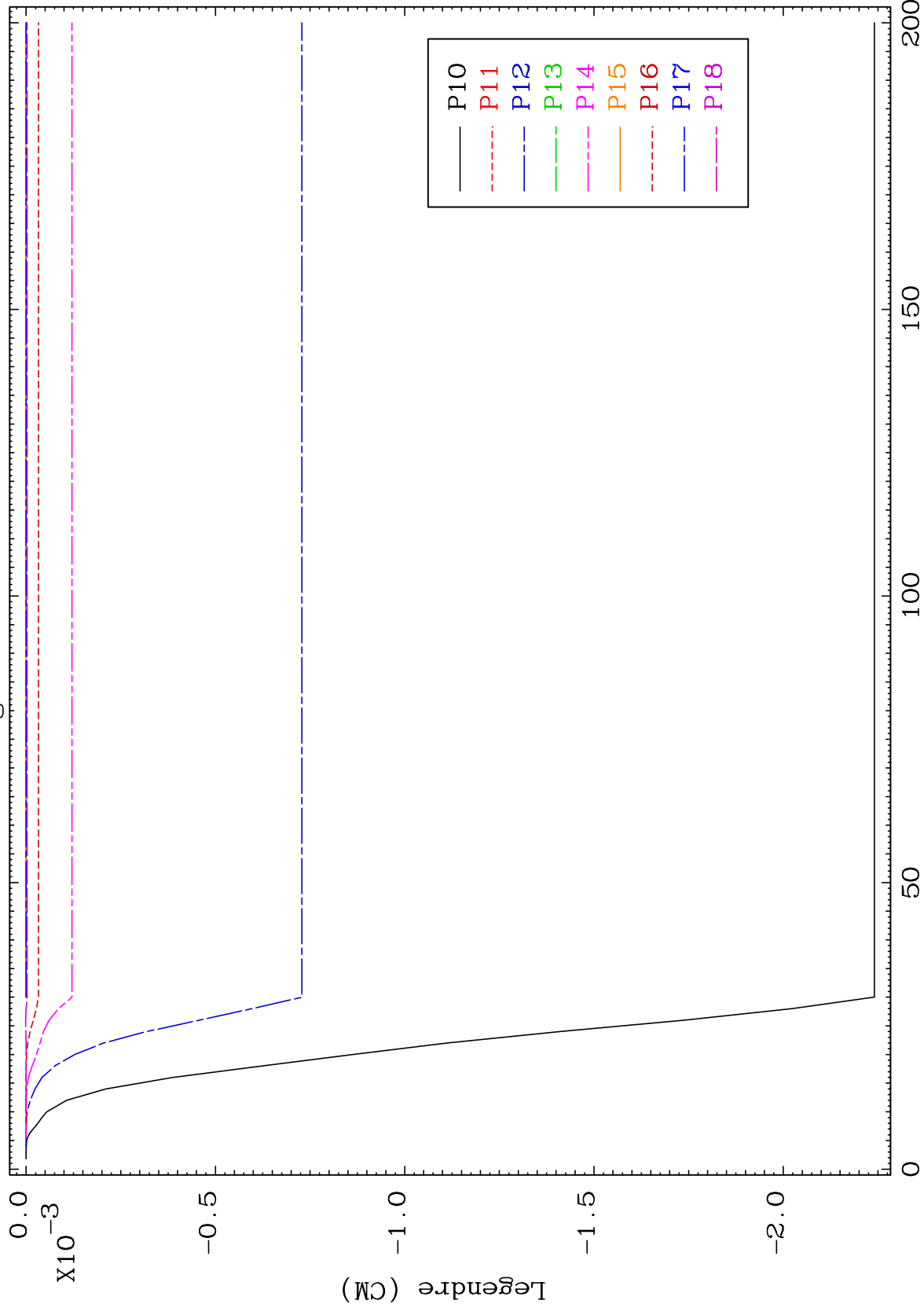
23



MAT 6304

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

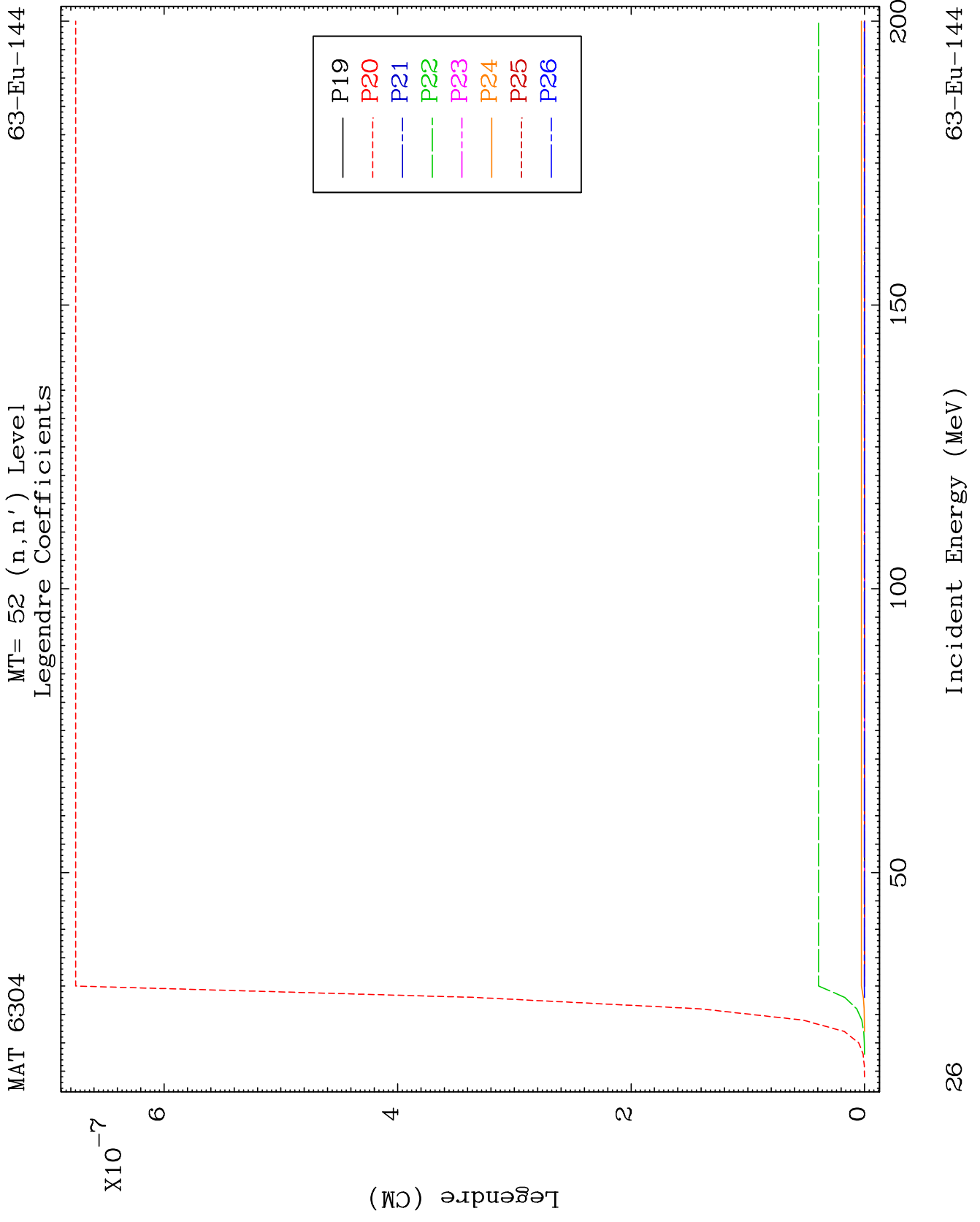
63-Eu-144



25

Incident Energy (MeV)

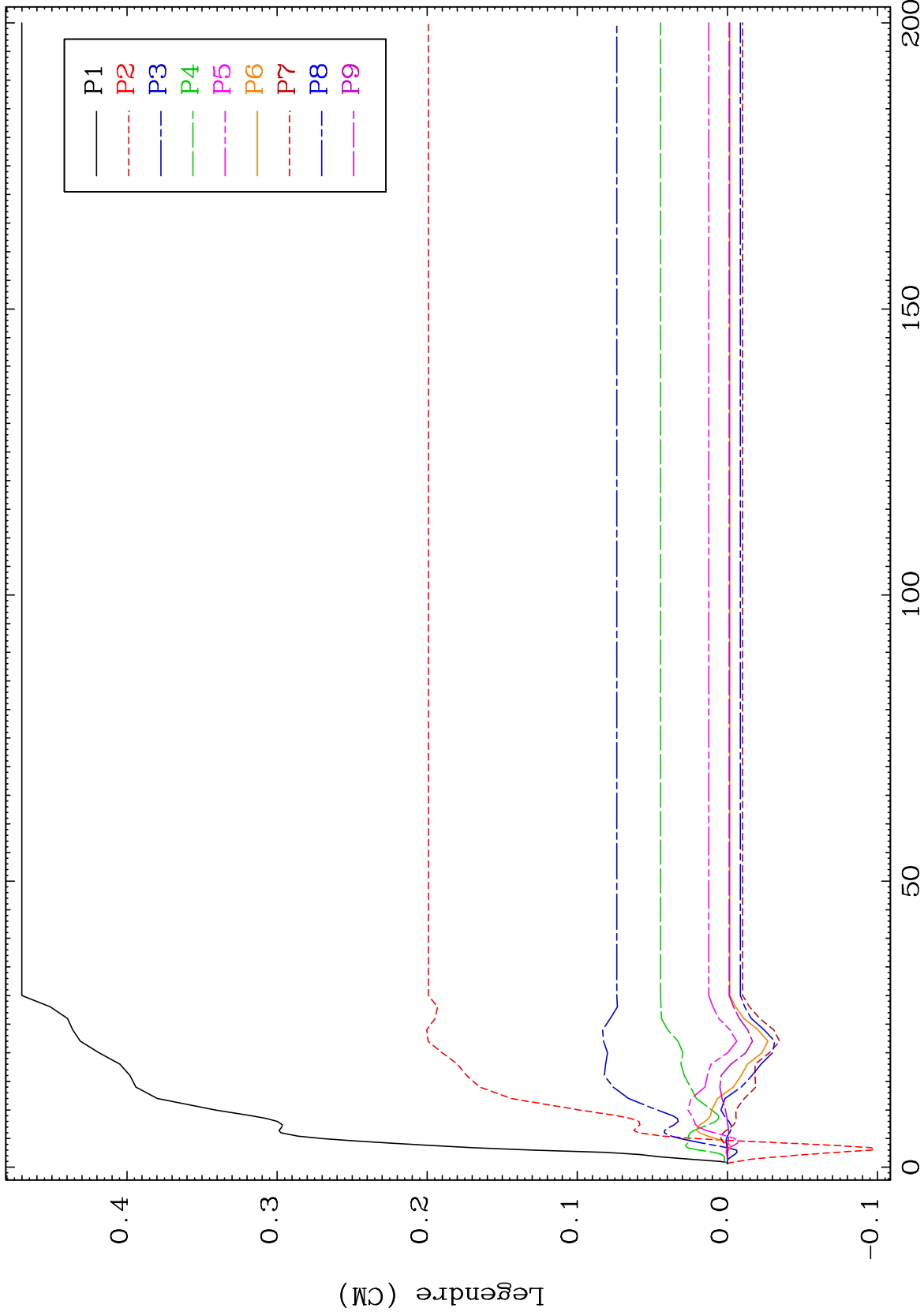
63-Eu-144



MAT 6304

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

63-Eu-144



27

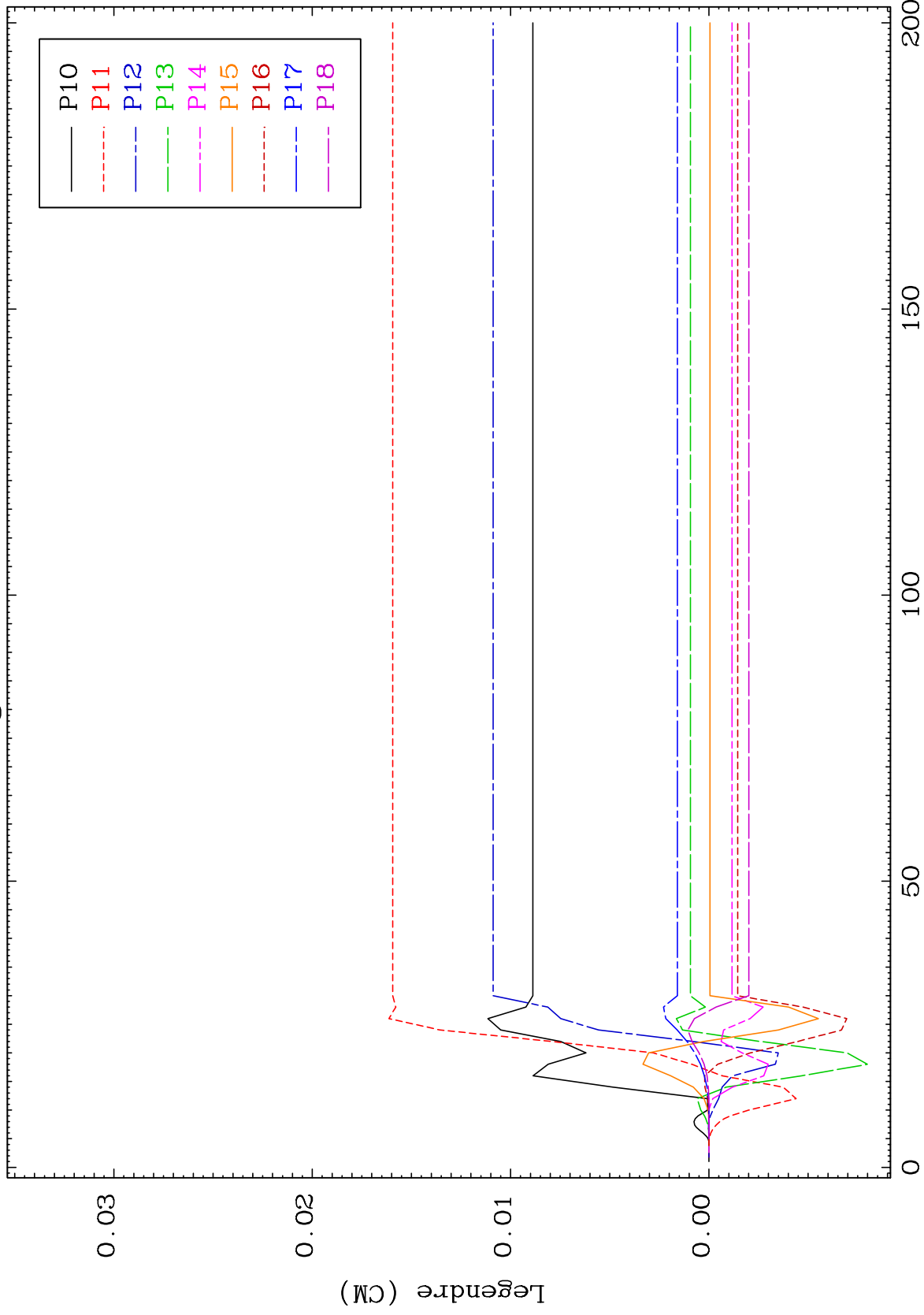
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



28

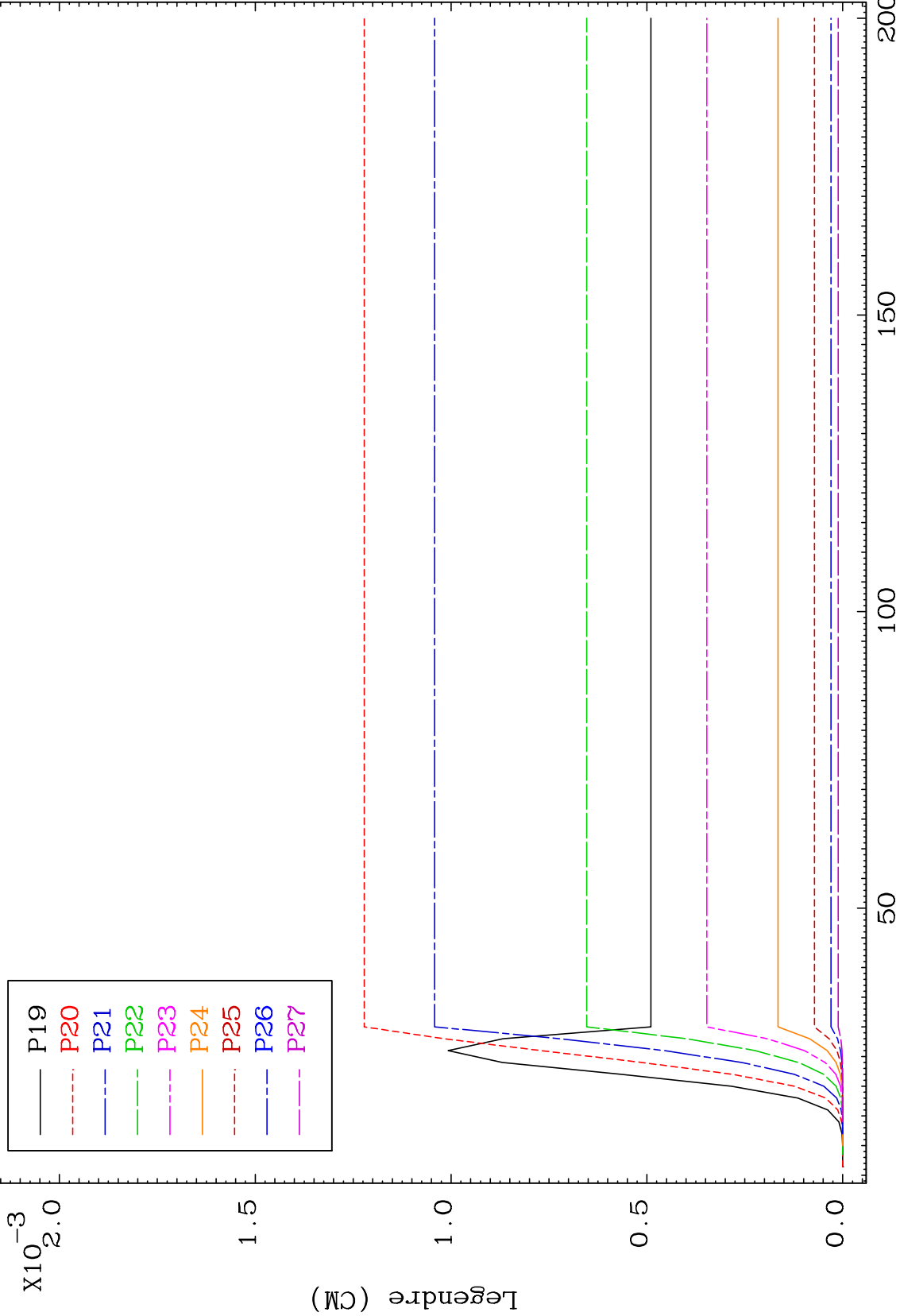
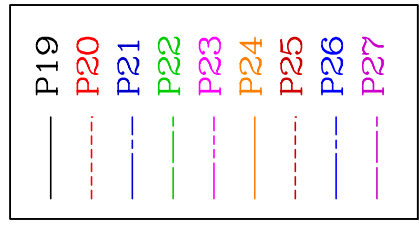
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

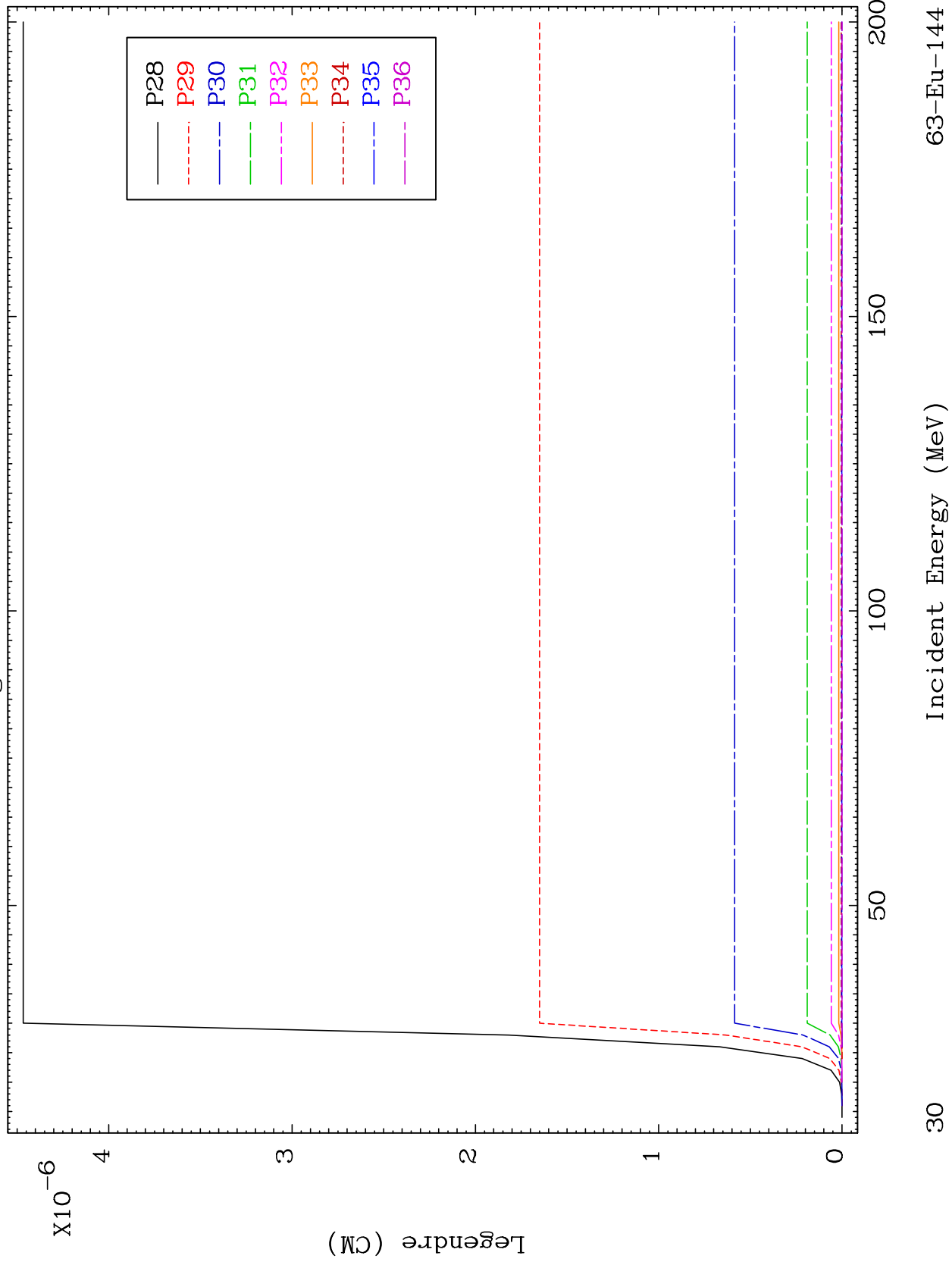
63-Eu-144



MAT 6304

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

63-Eu-144

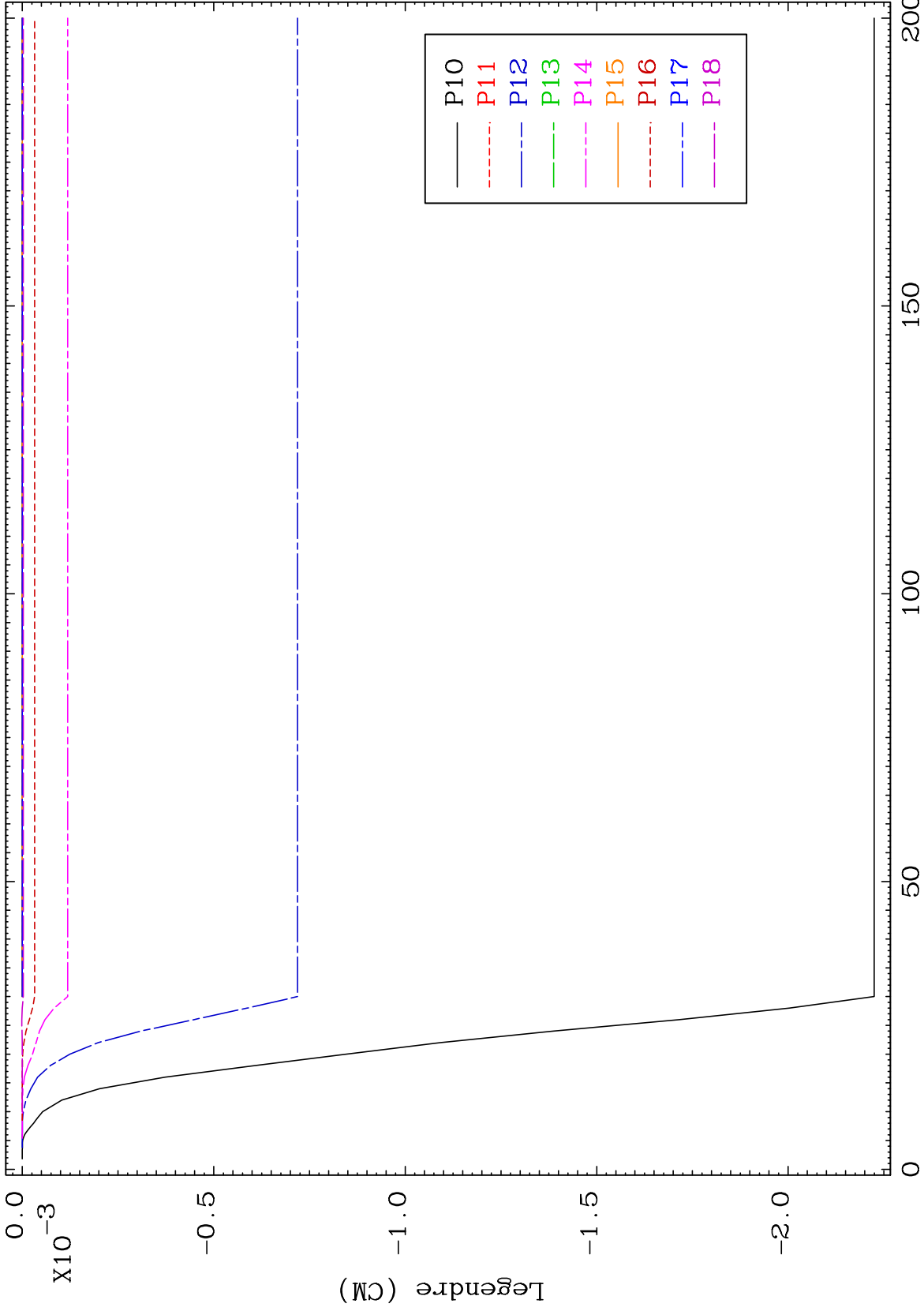


MAT 6304

MT= 54 (n,n') Level

63-Eu-144

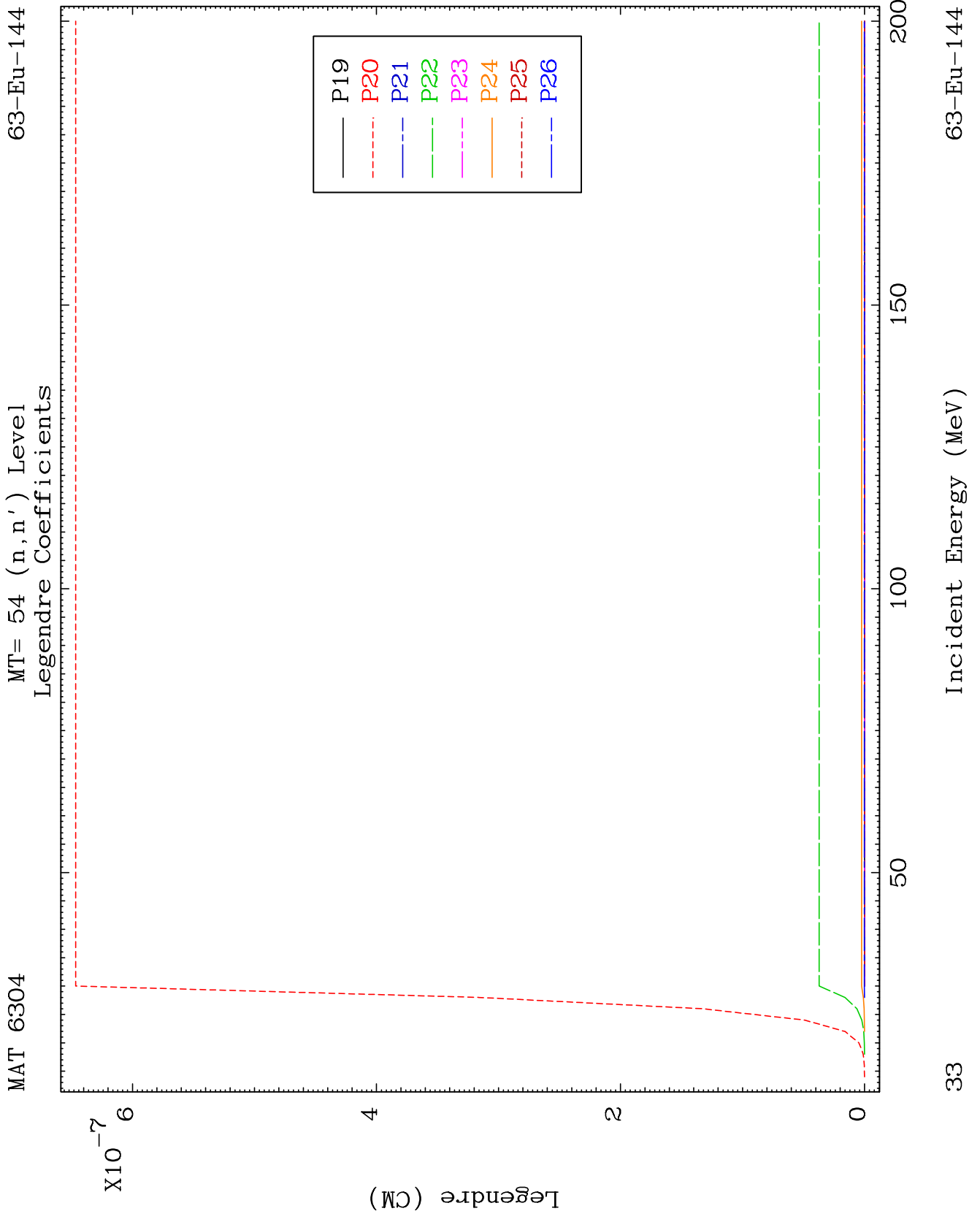
Legendre Coefficients

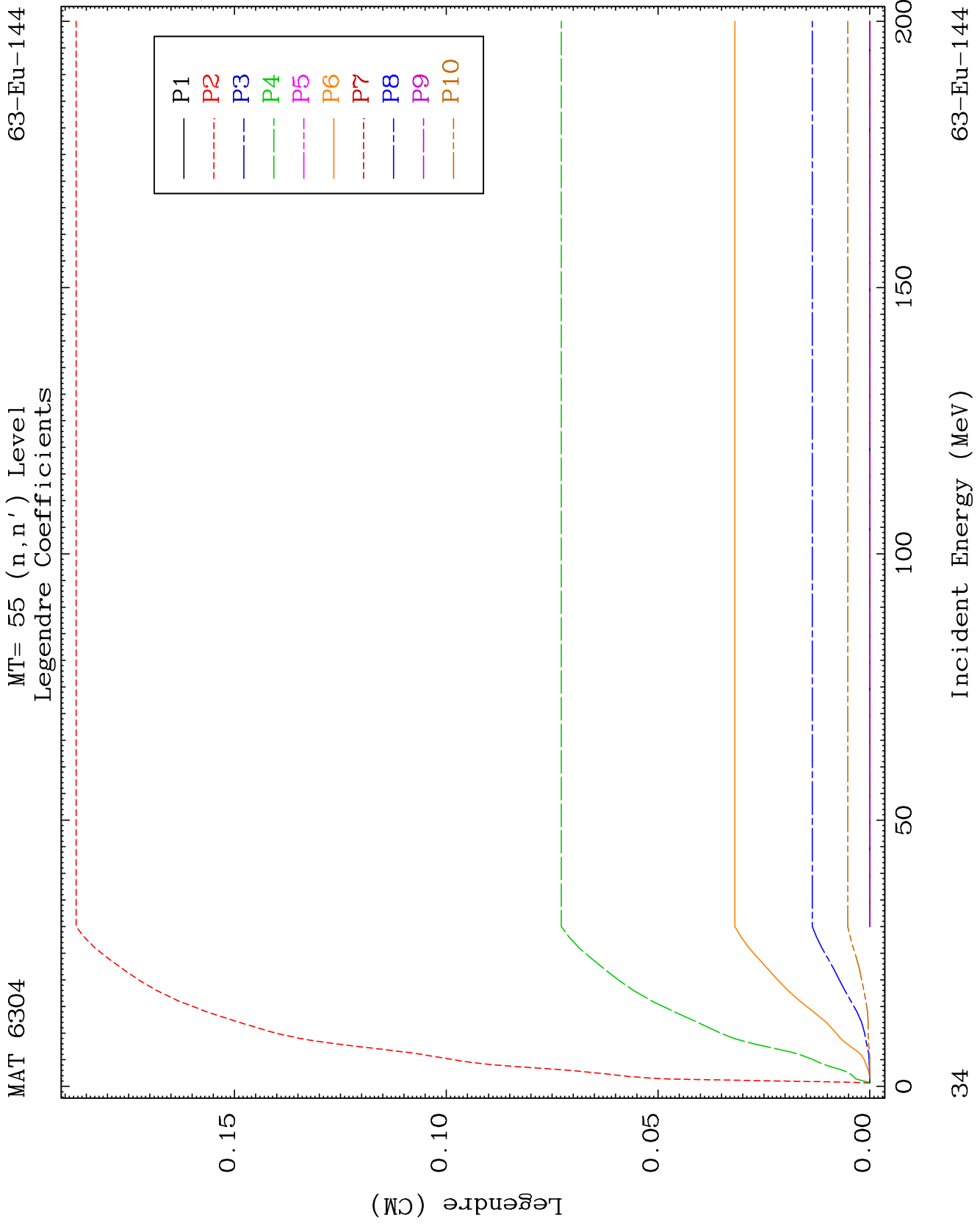


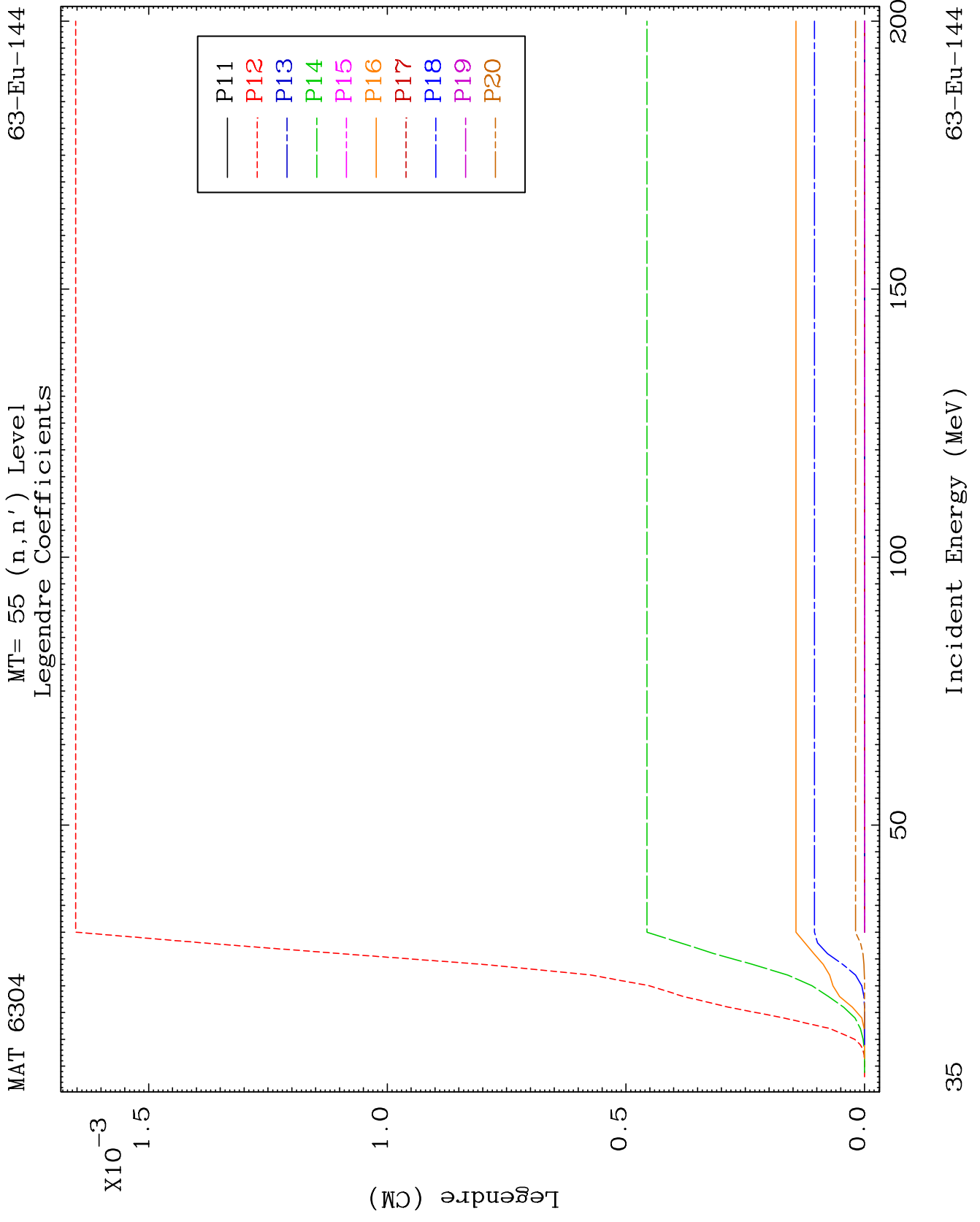
32

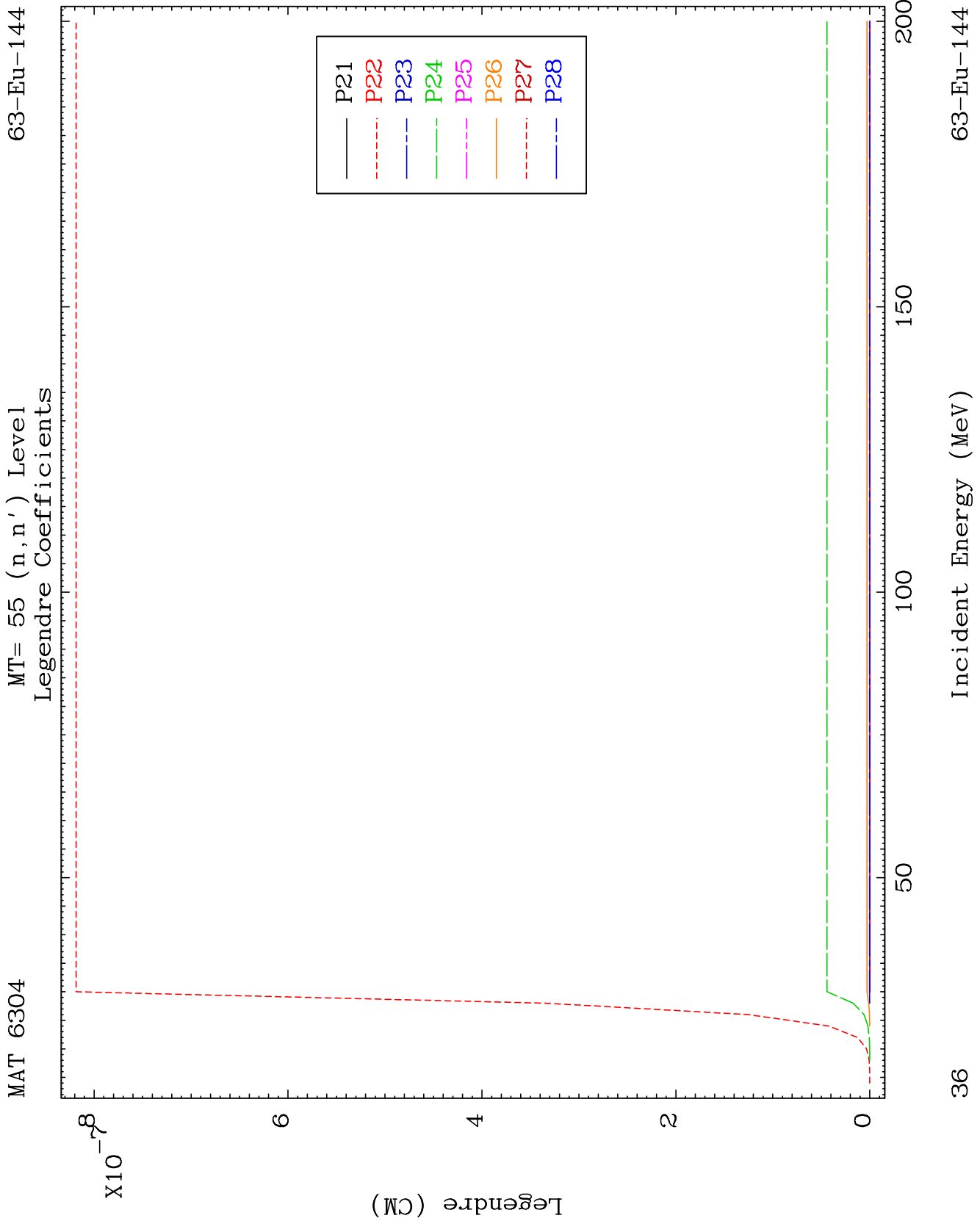
Incident Energy (MeV)

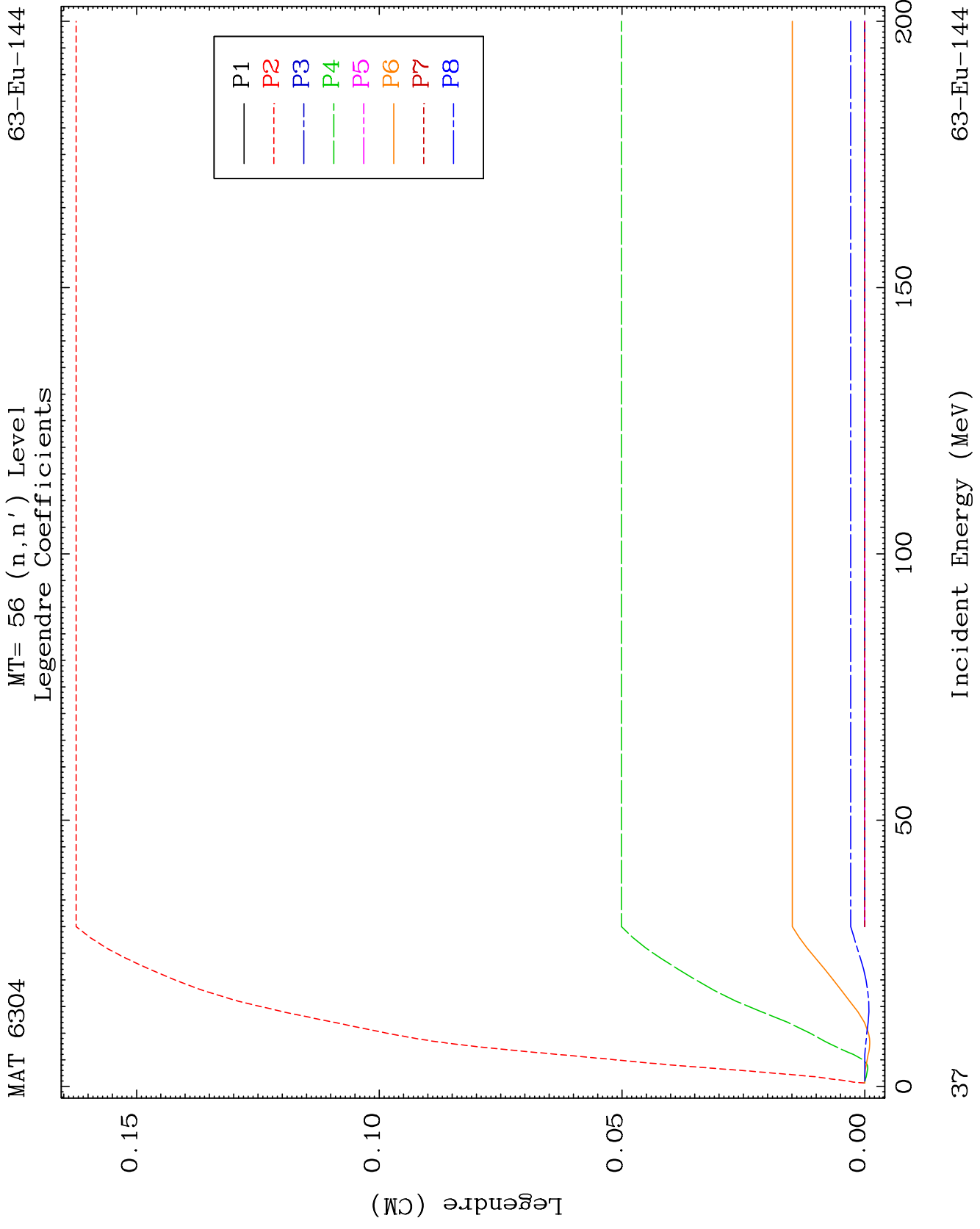
63-Eu-144







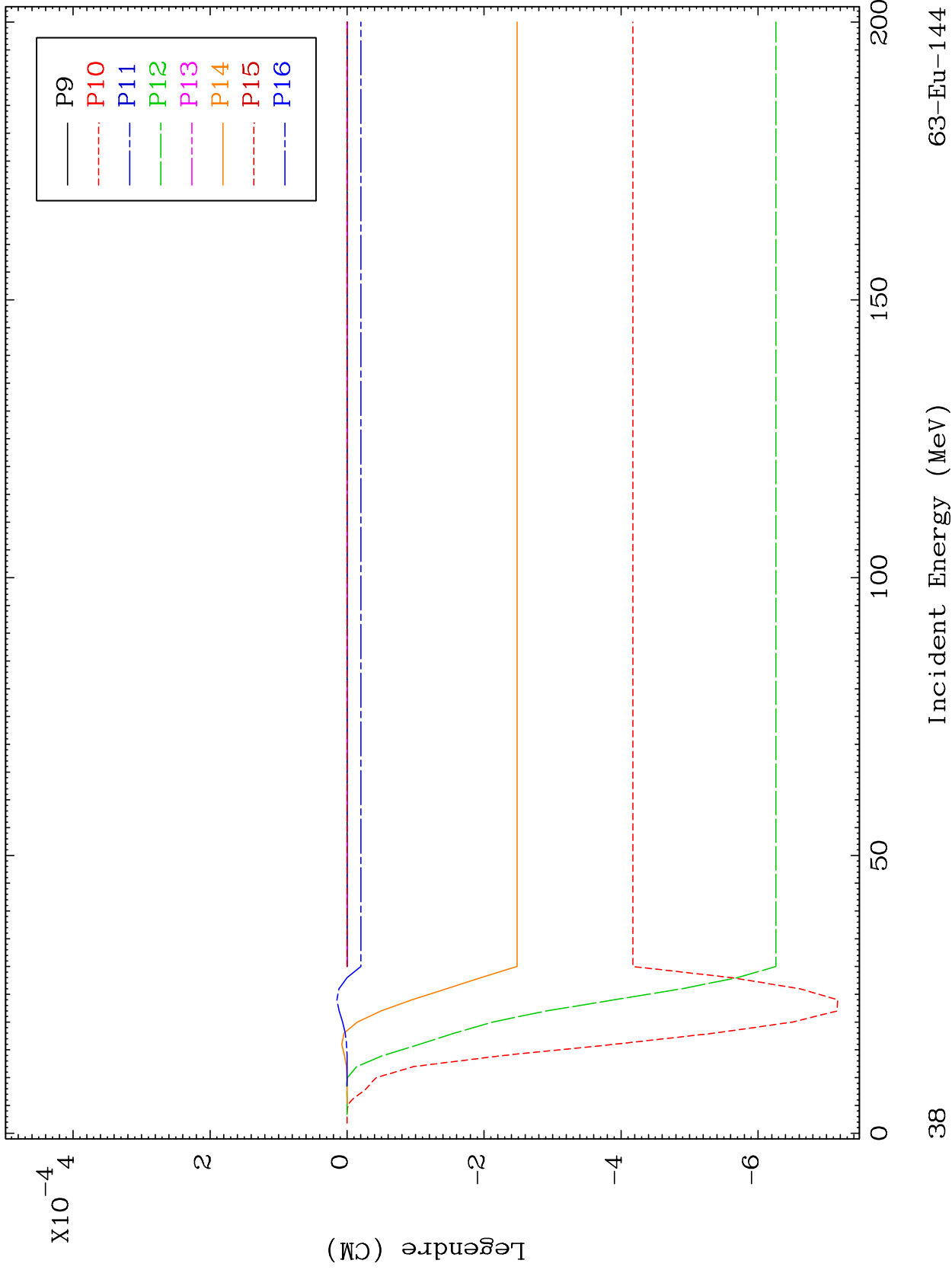




MAT 6304

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

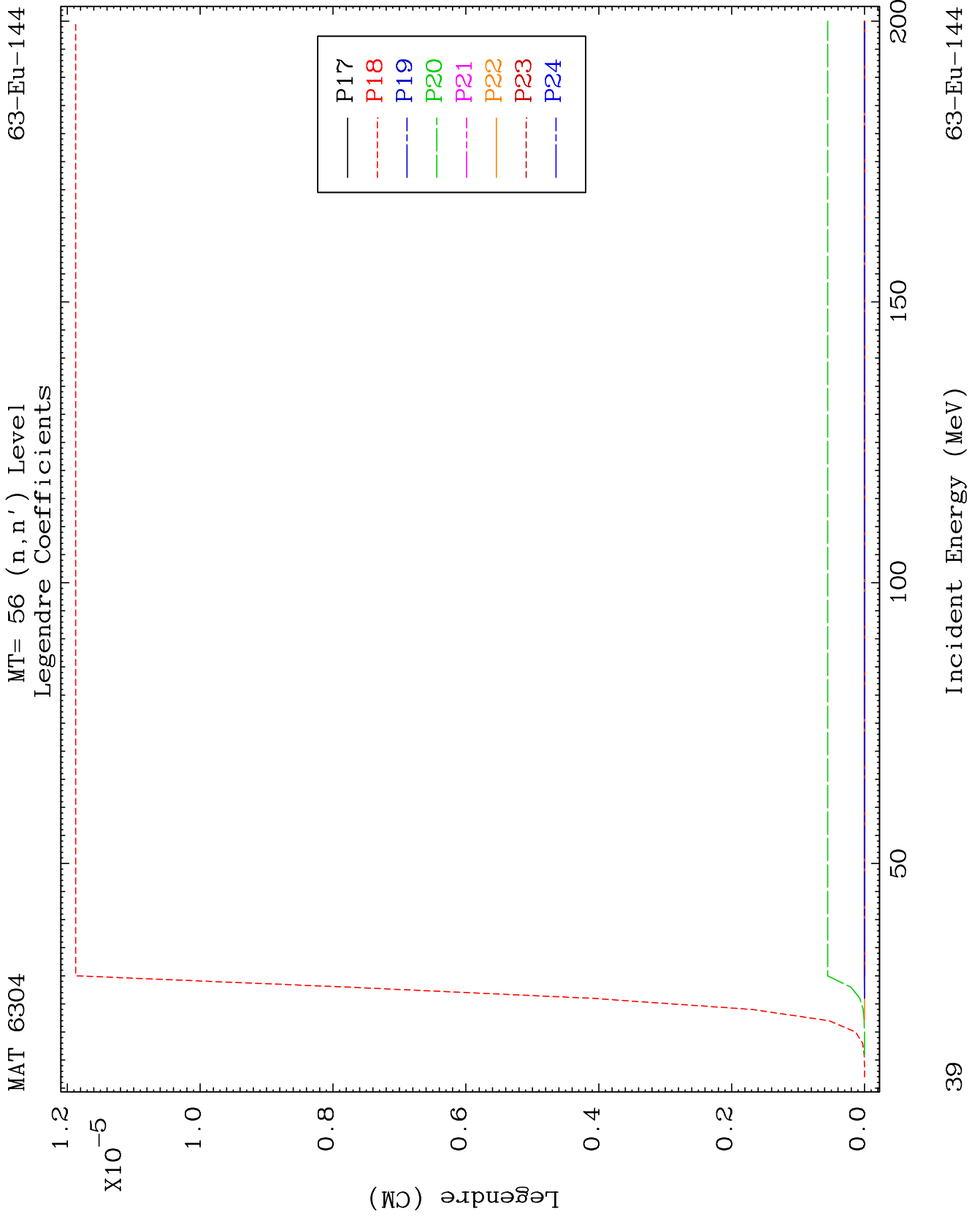
63-Eu-144



38

Incident Energy (MeV)

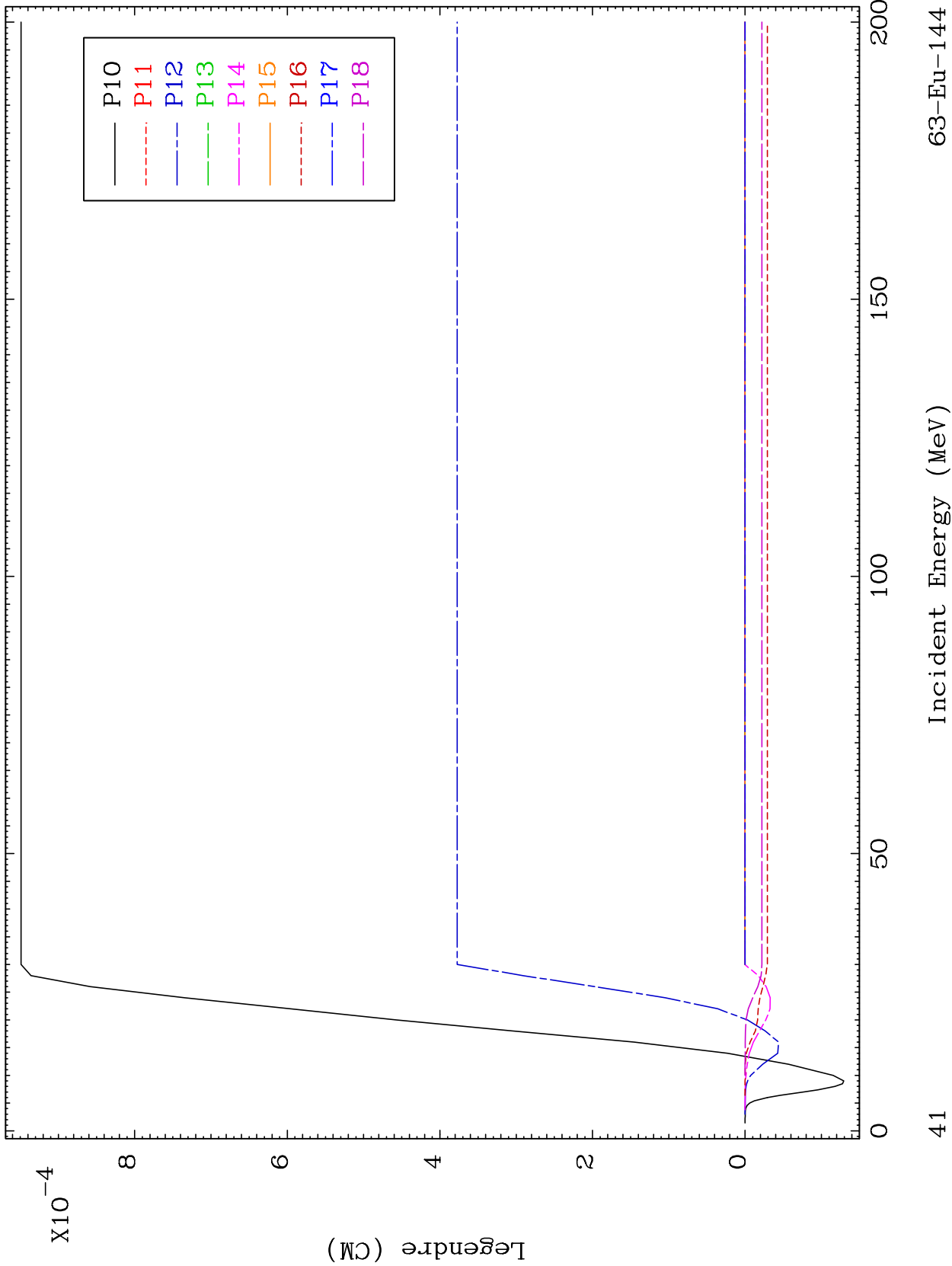
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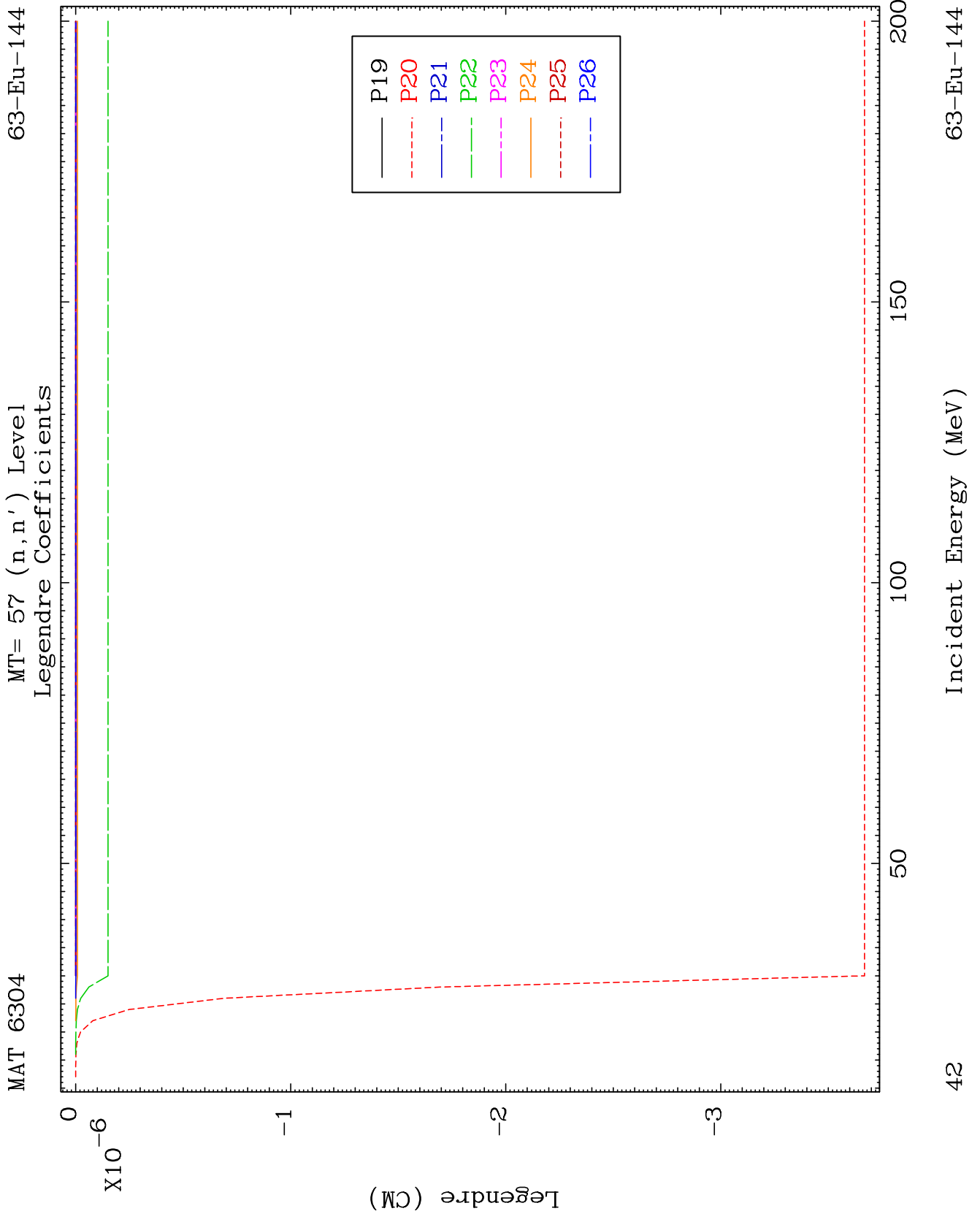


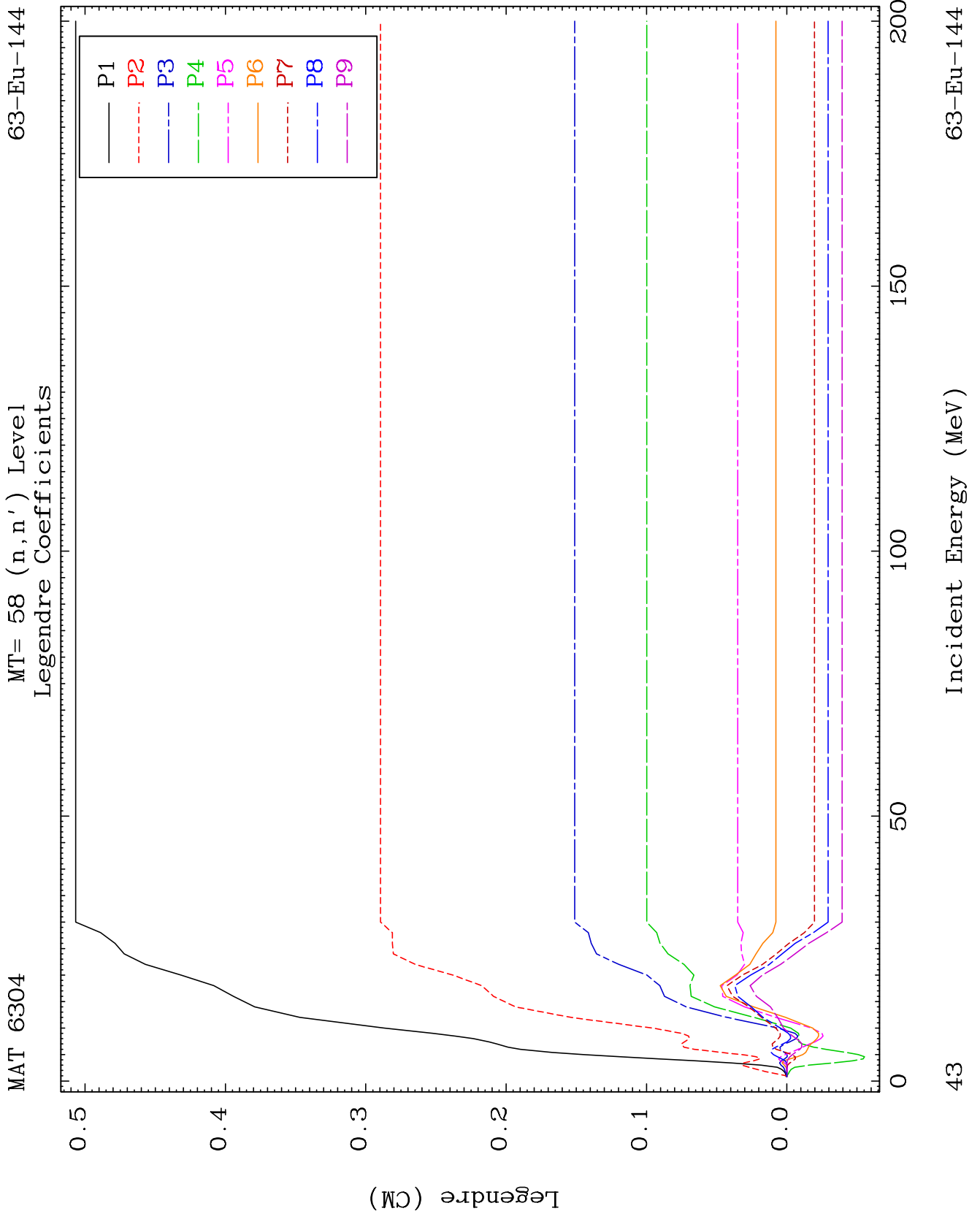
MAT 6304

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

63-Eu-144



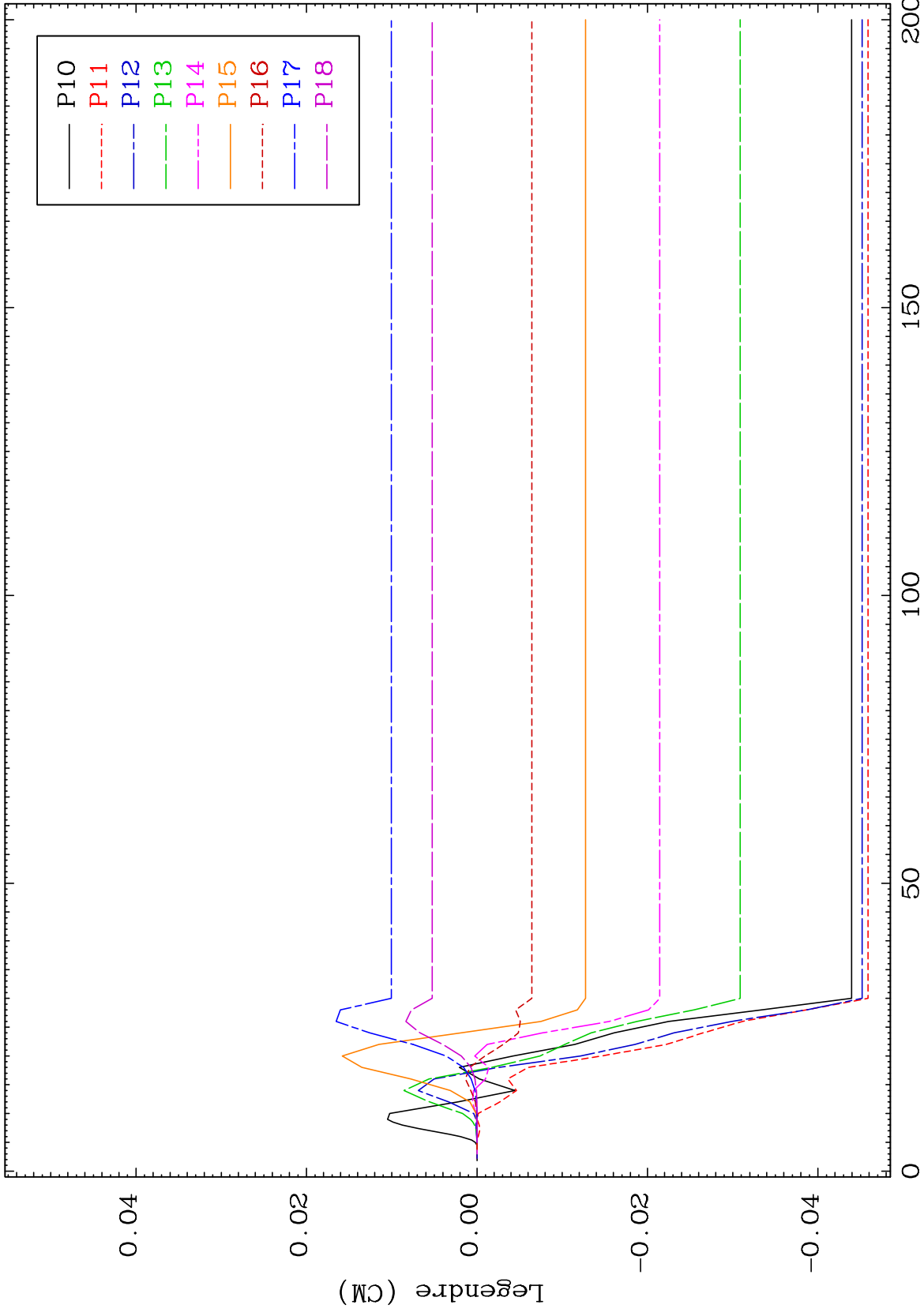




MAT 6304

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

63-Eu-144



44

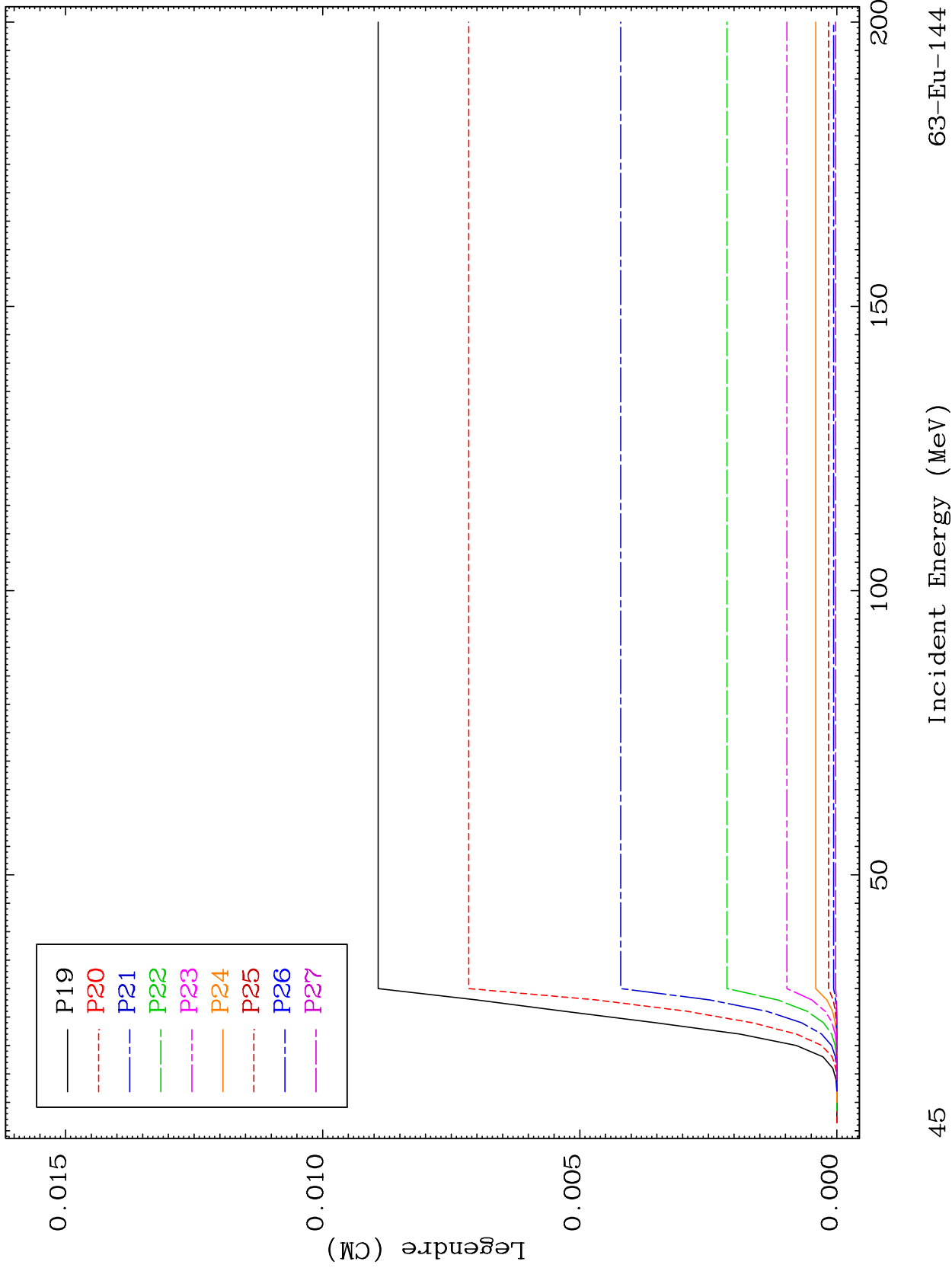
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



45

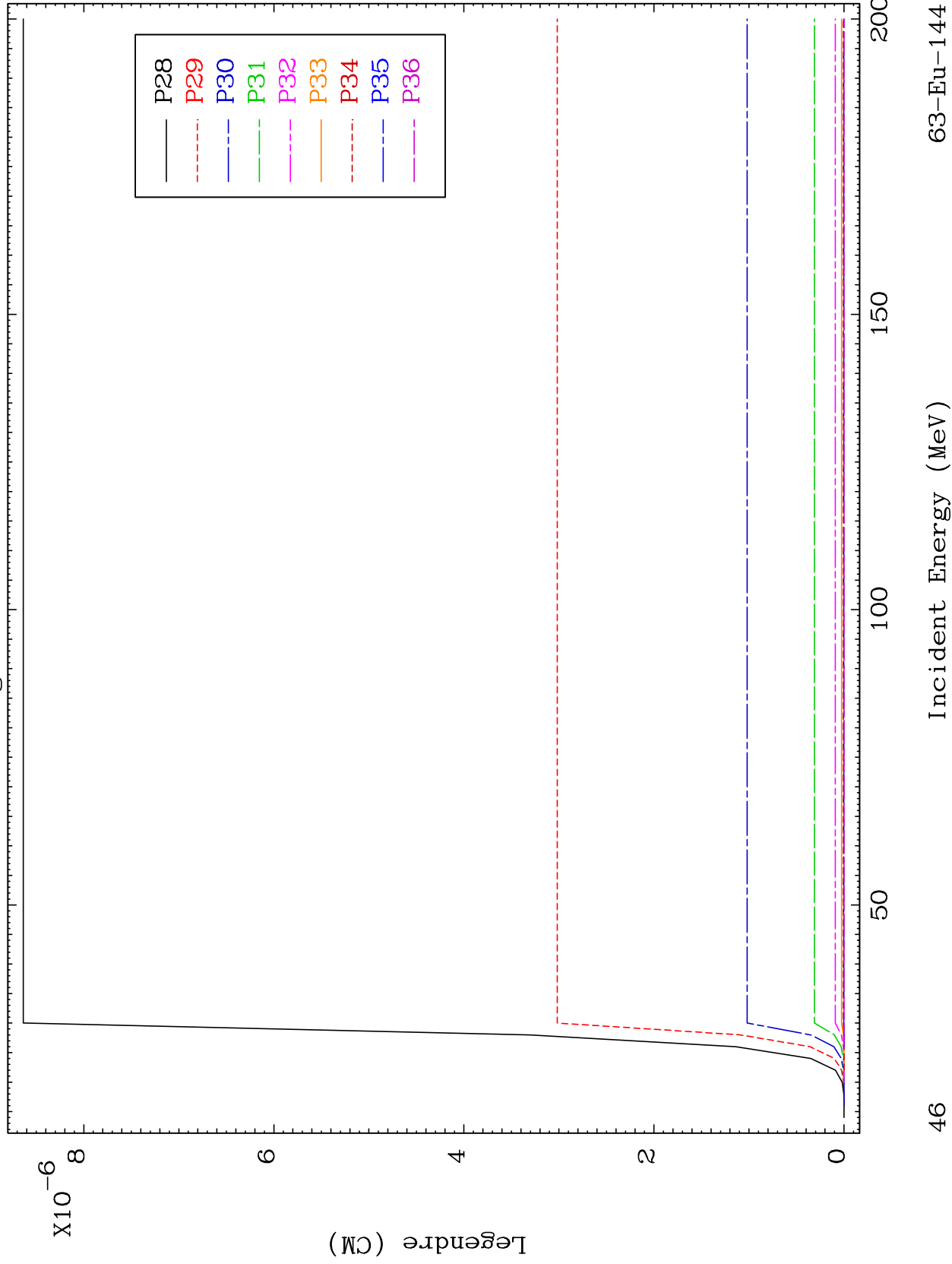
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



46

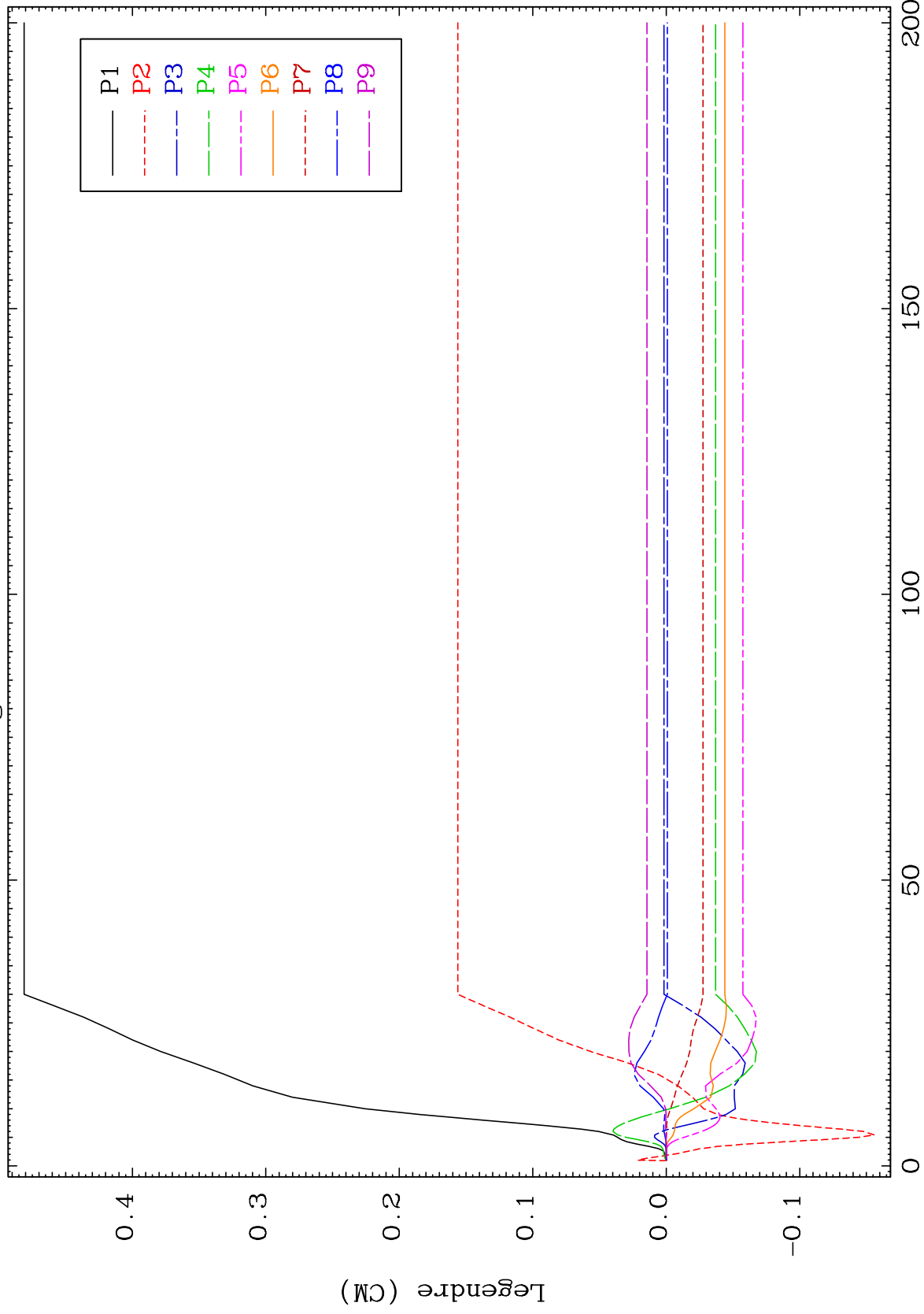
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



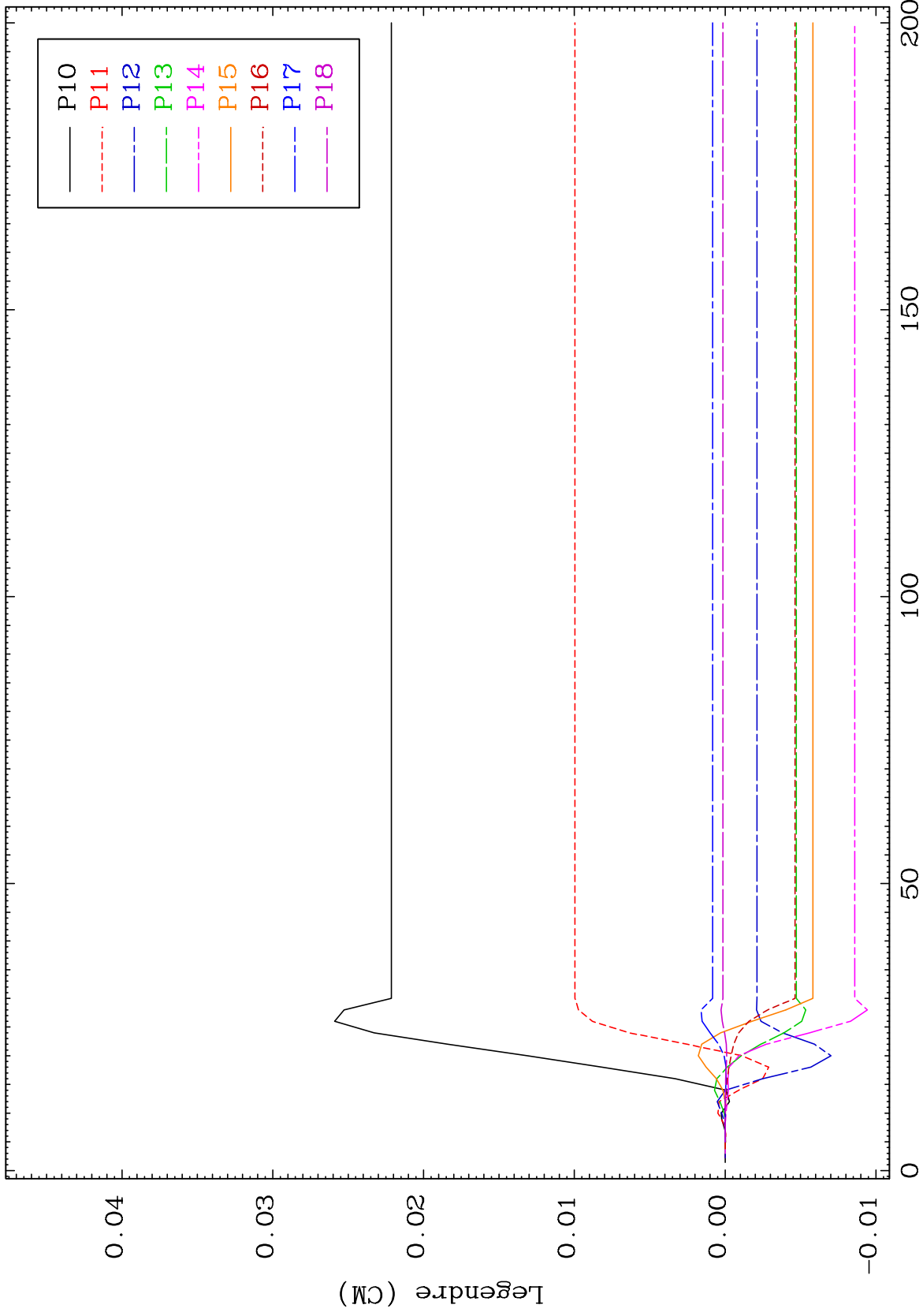
47

63-Eu-144

MAT 6304

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

63-Eu-144



48

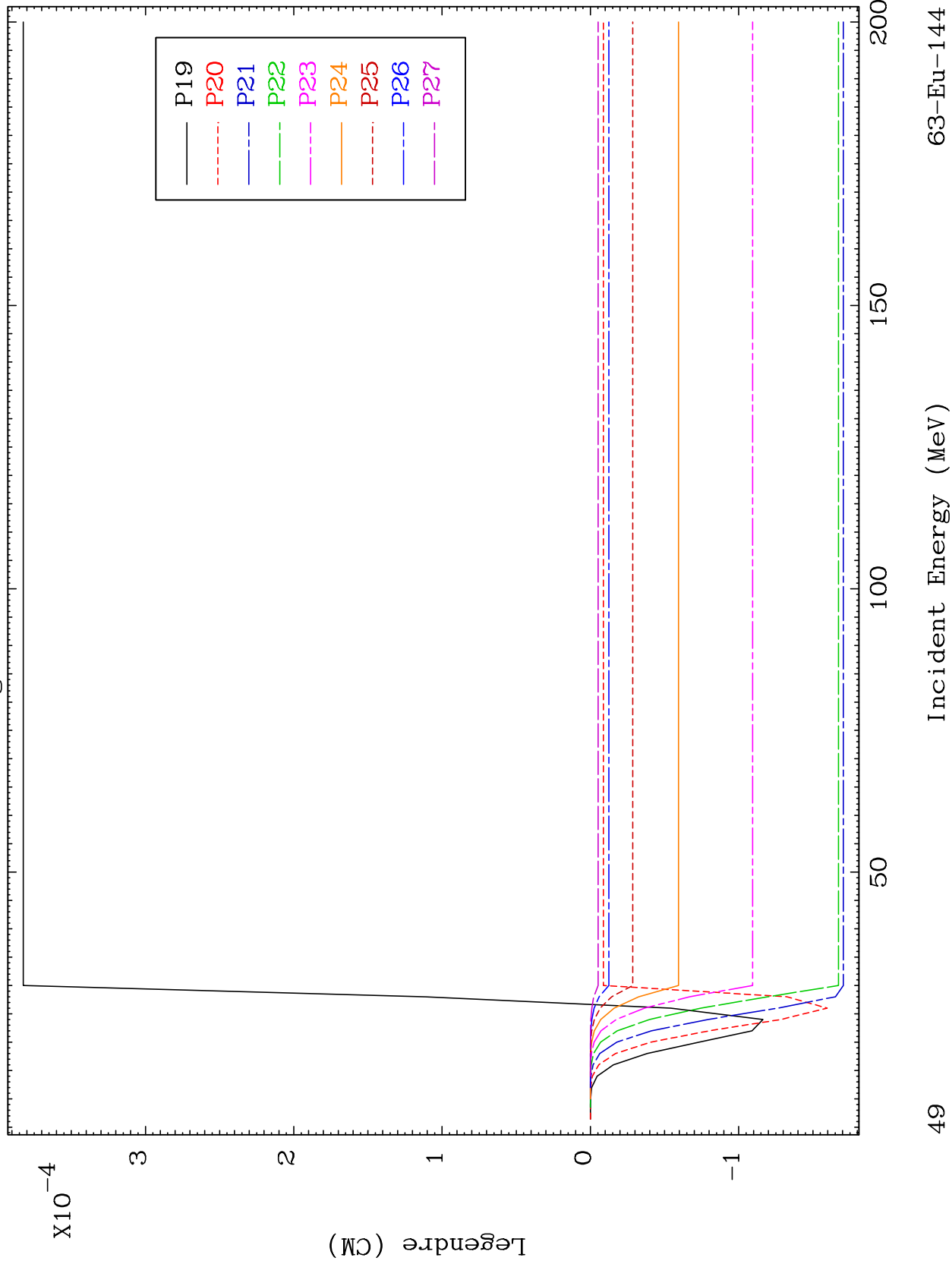
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

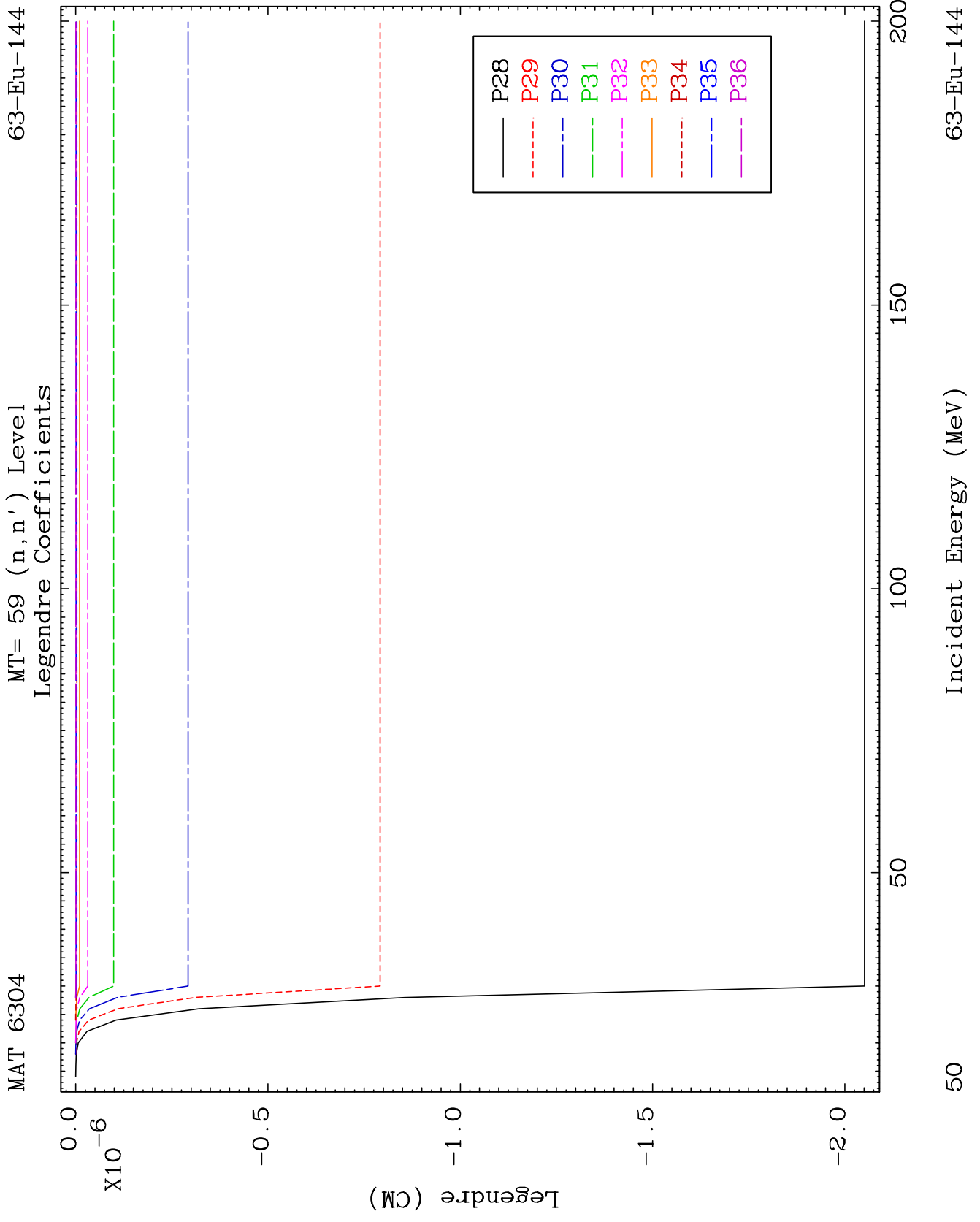
63-Eu-144



49

Incident Energy (MeV)

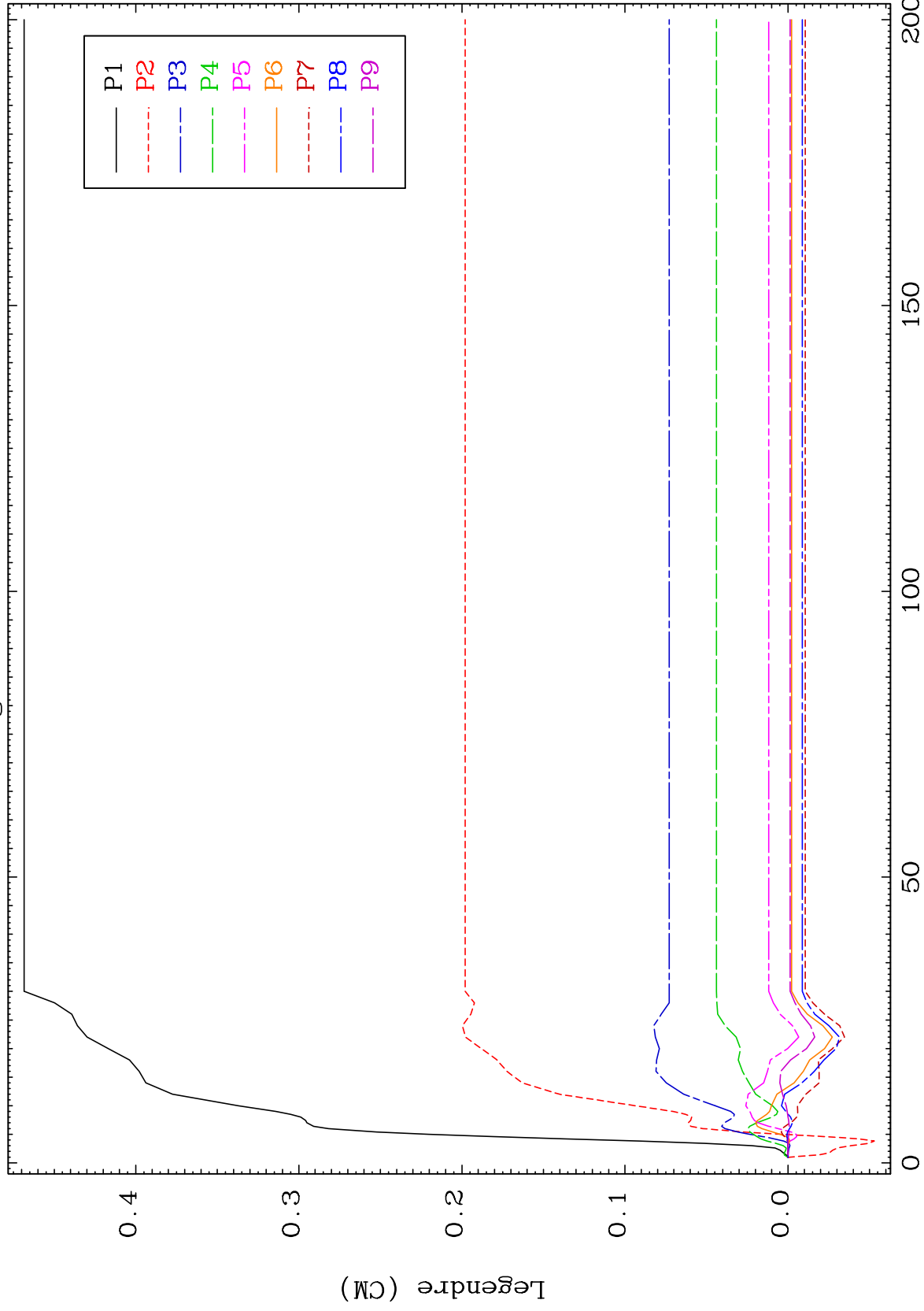
63-Eu-144



MAT 6304

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

63-Eu-144



51

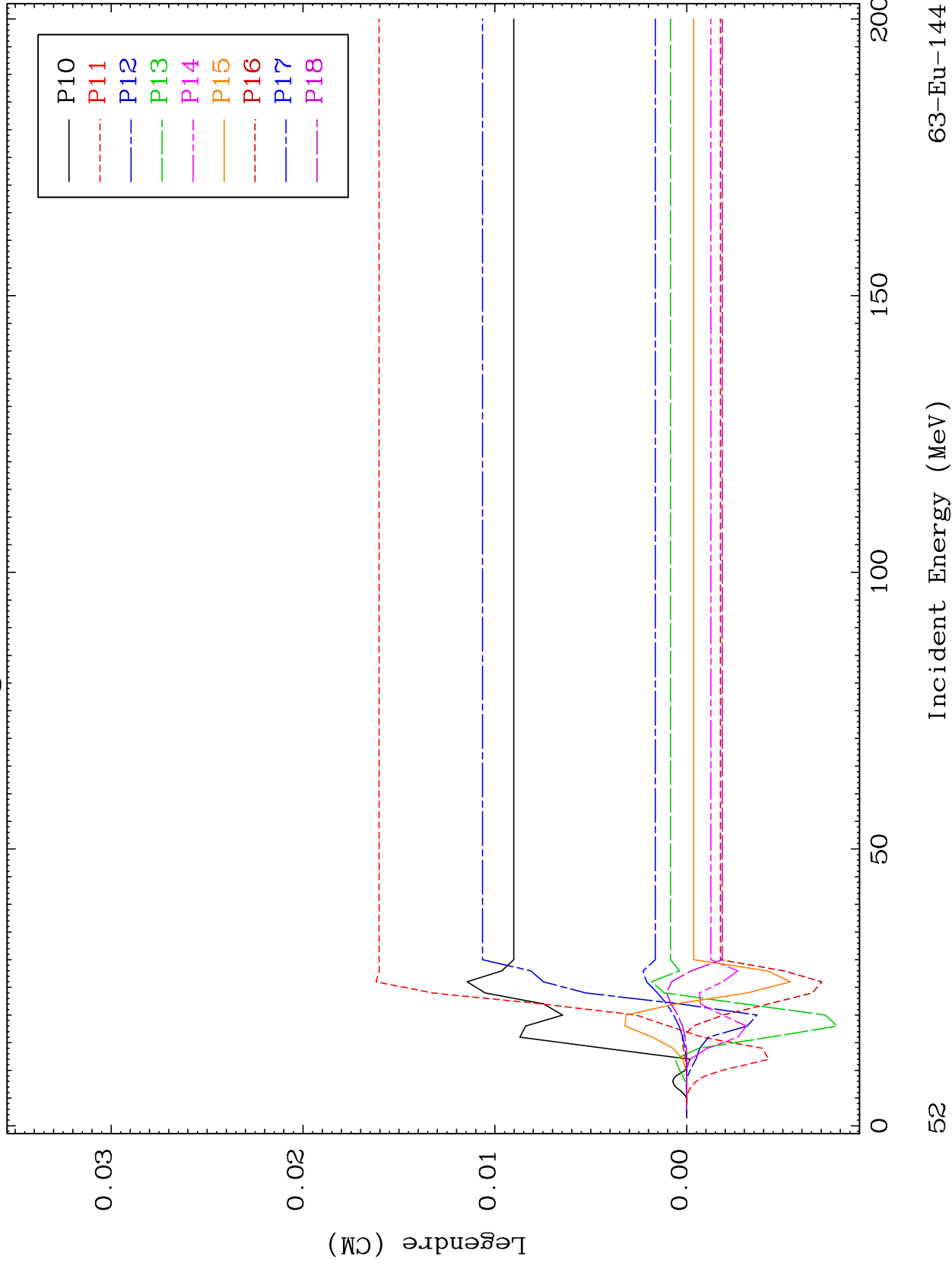
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



63-Eu-144

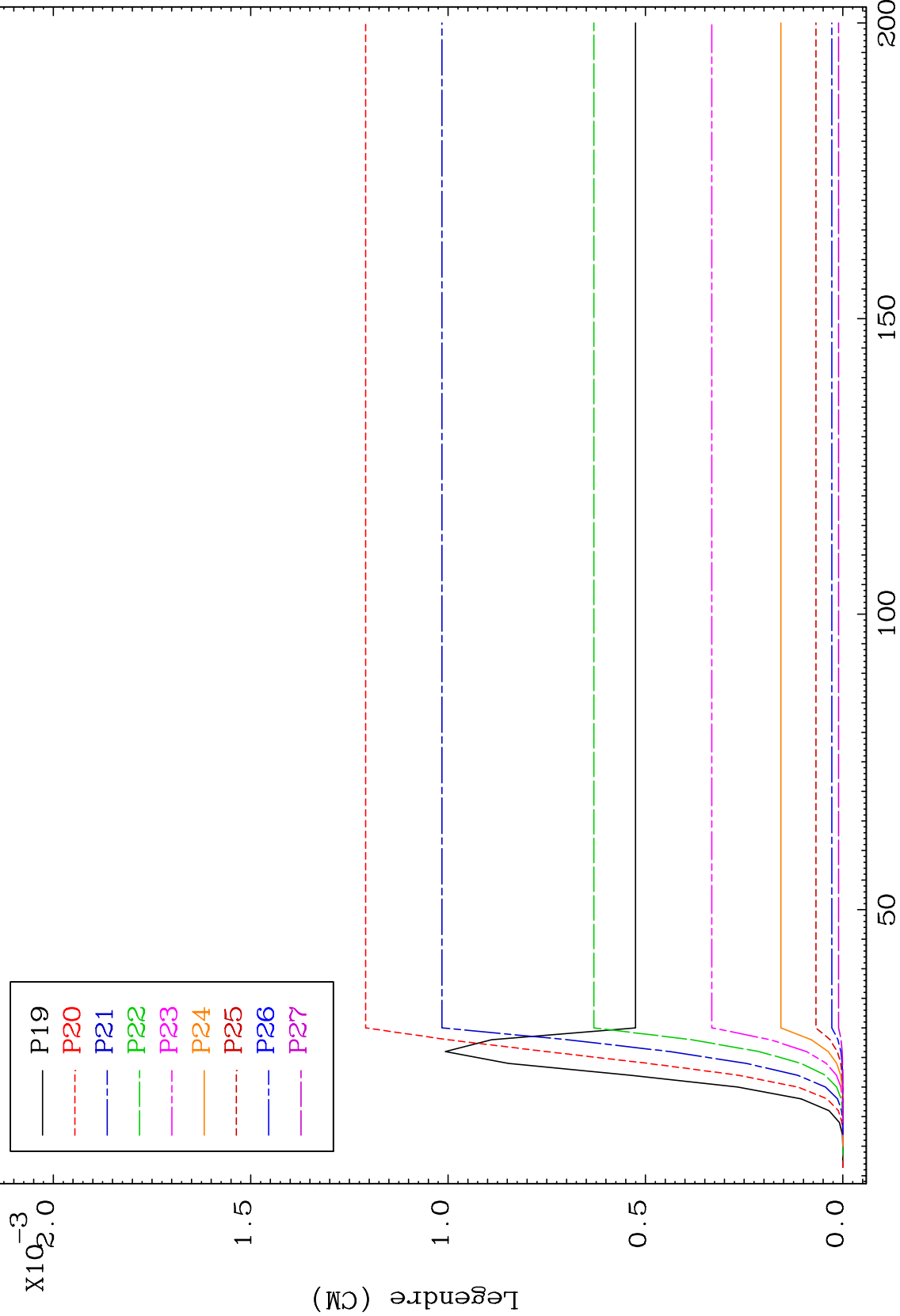
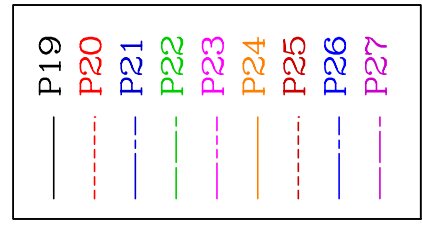
Incident Energy (MeV)

52

MAT 6304

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

63-Eu-144



53

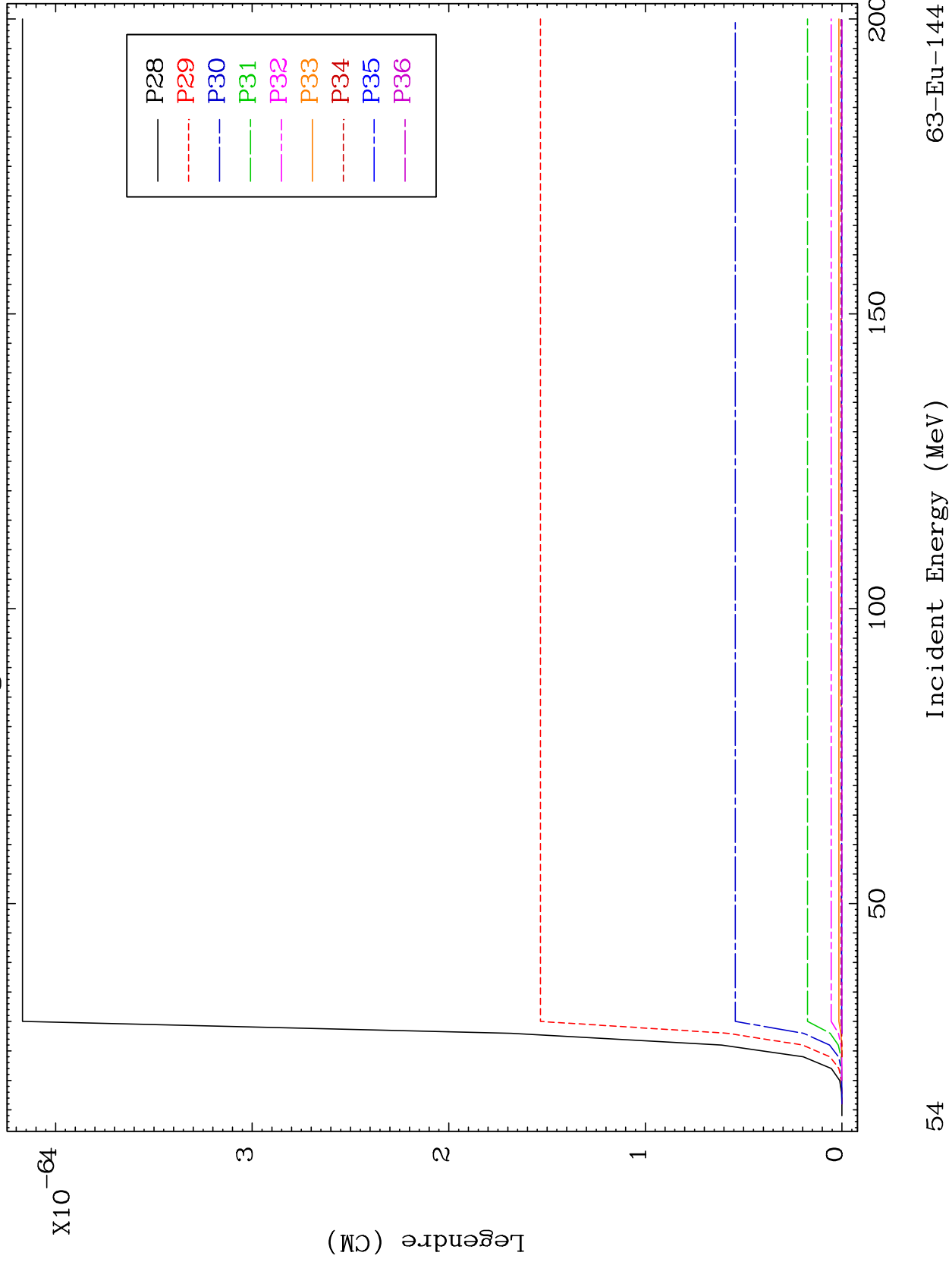
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

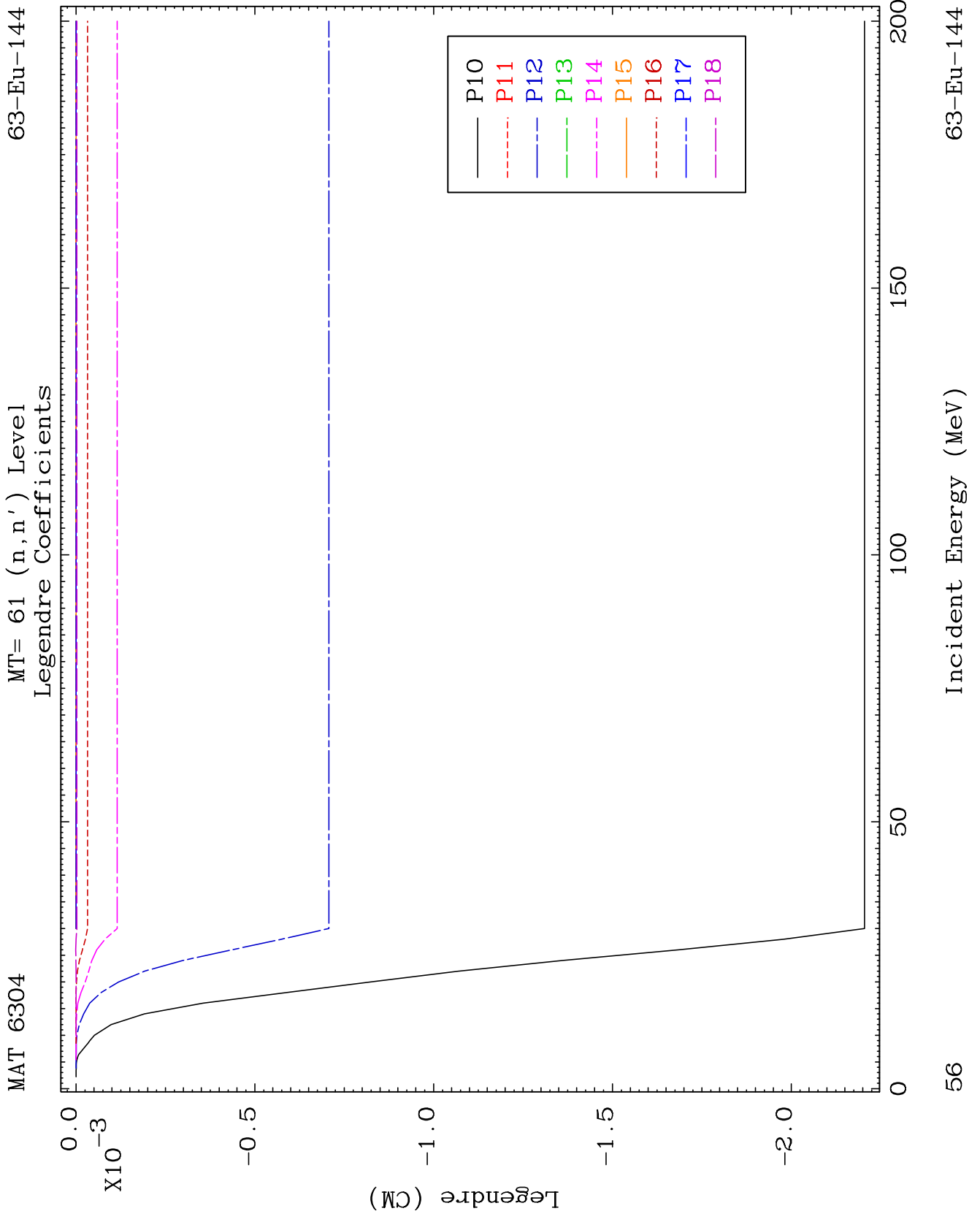
63-Eu-144



54

Incident Energy (MeV)

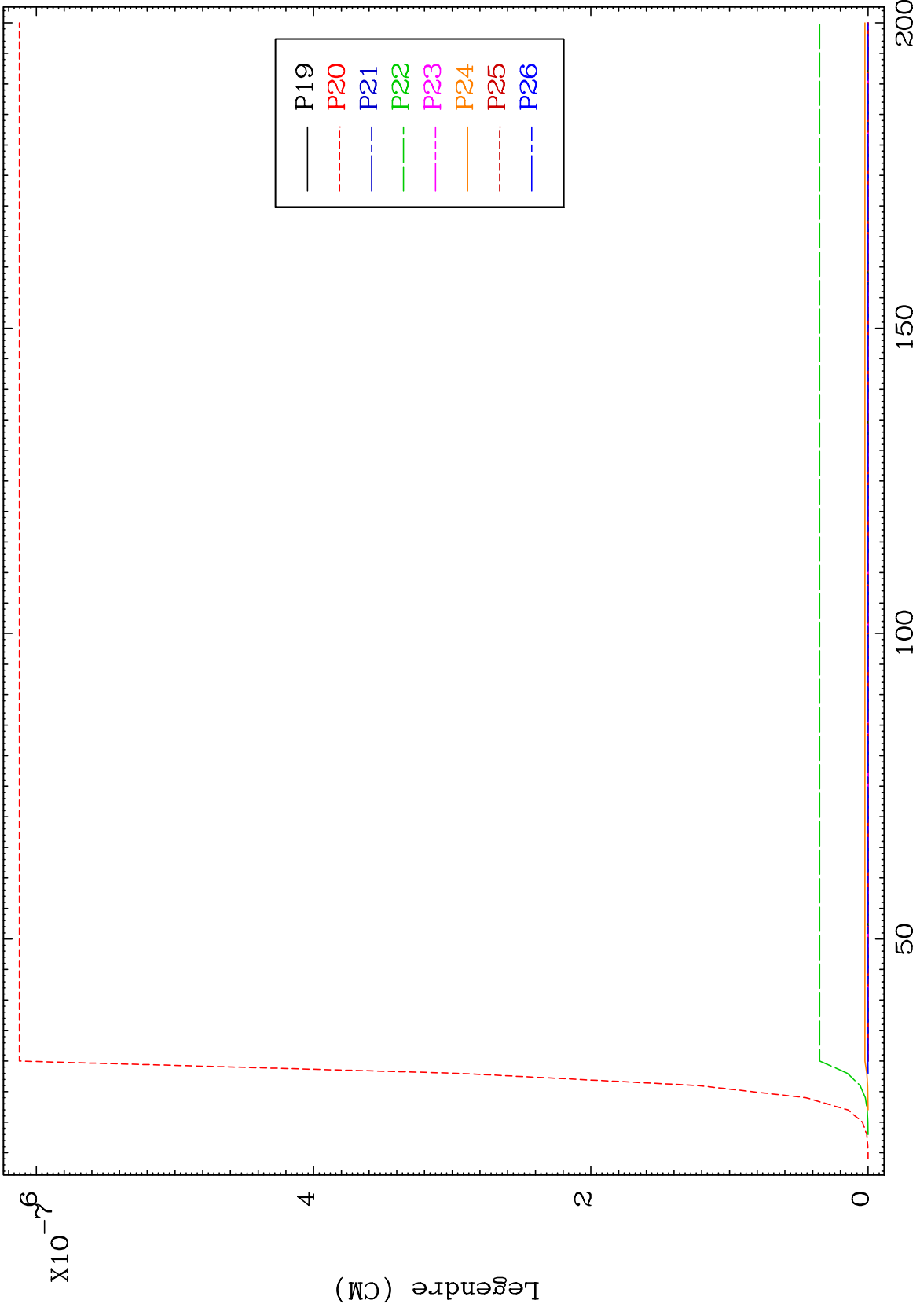
63-Eu-144



MAT 6304

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

63-Eu-144



63-Eu-144

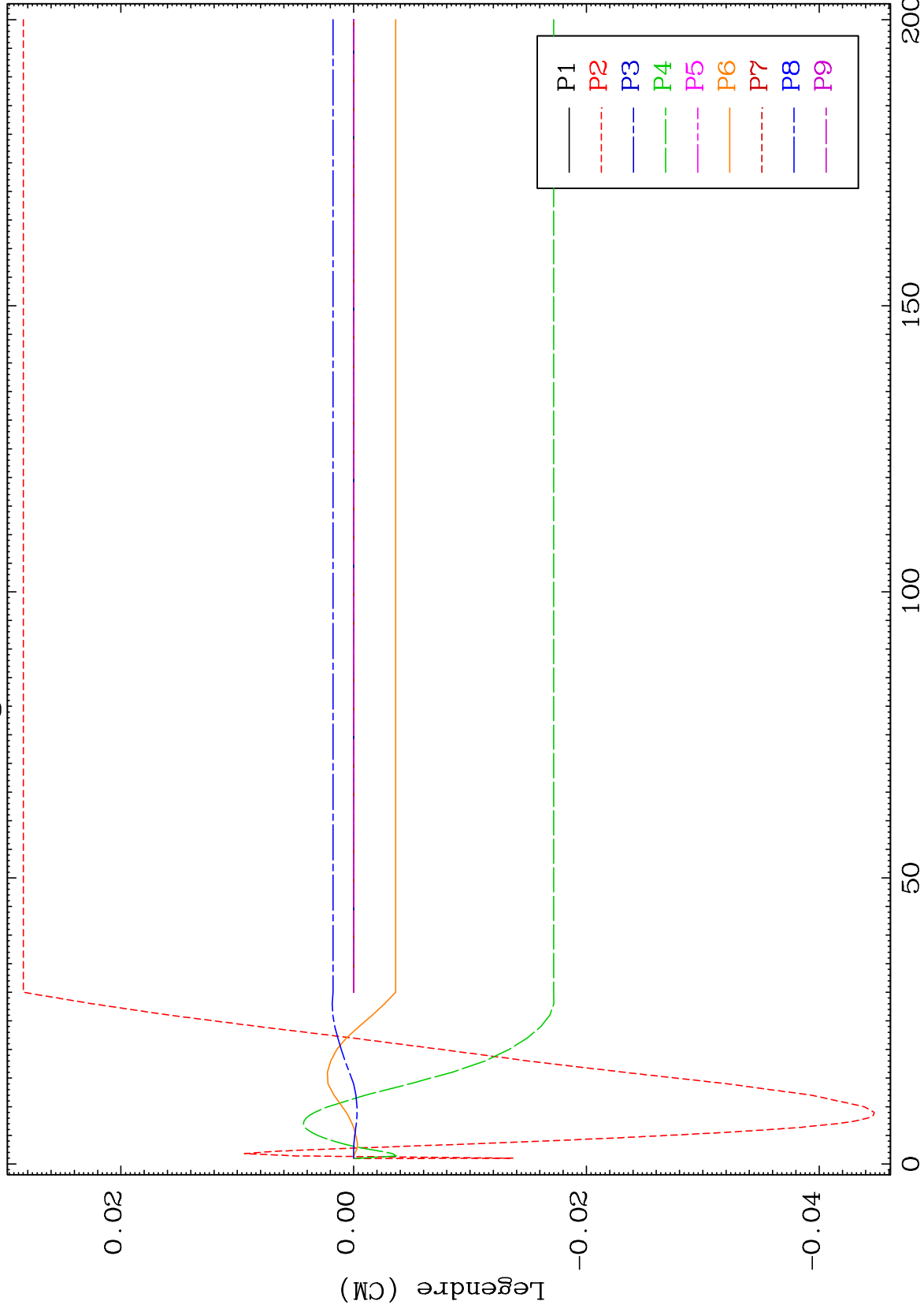
Incident Energy (MeV)

57

MAT 6304

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

63-Eu-144



63-Eu-144

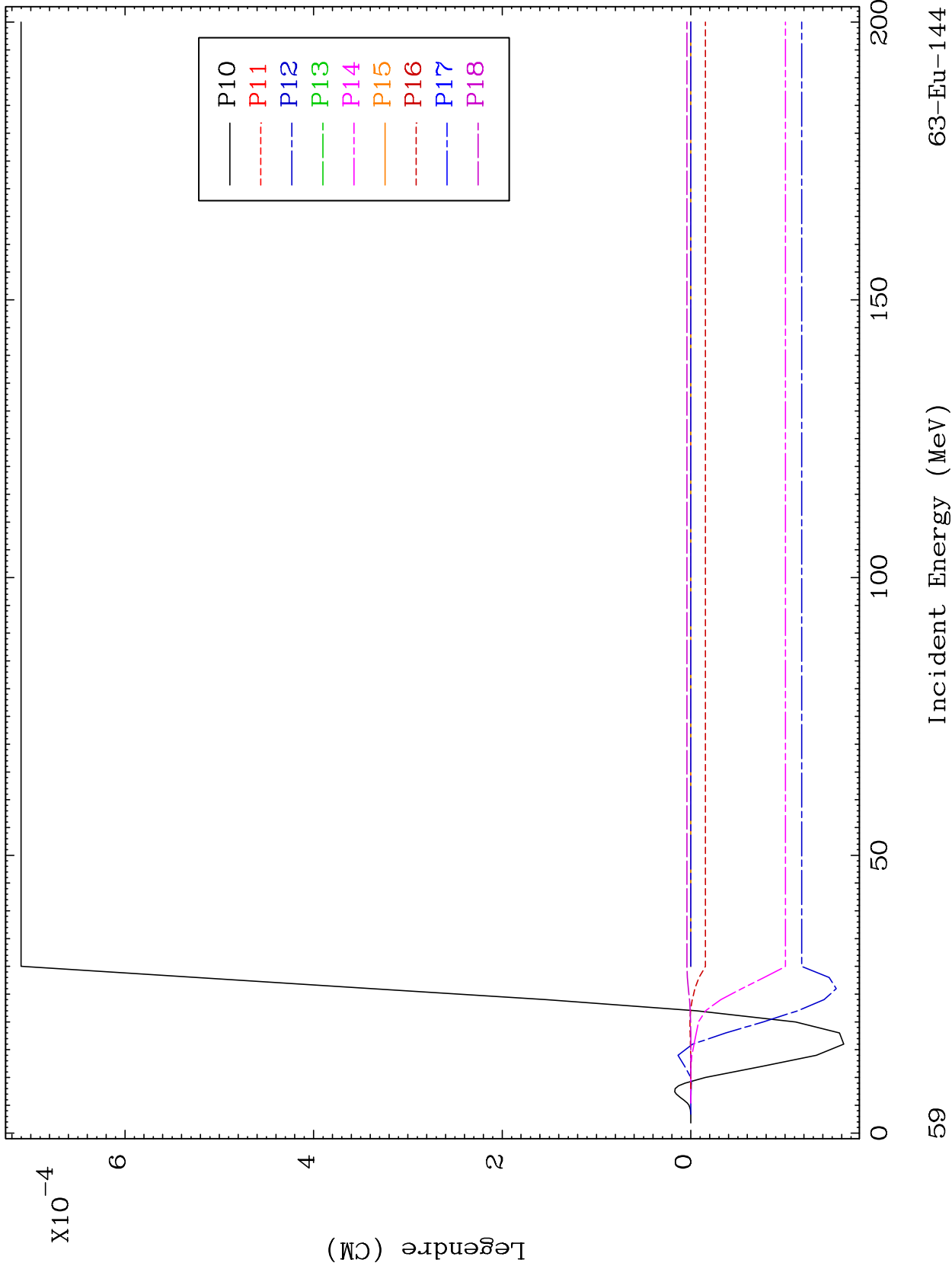
Incident Energy (MeV)

58

MAT 6304

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

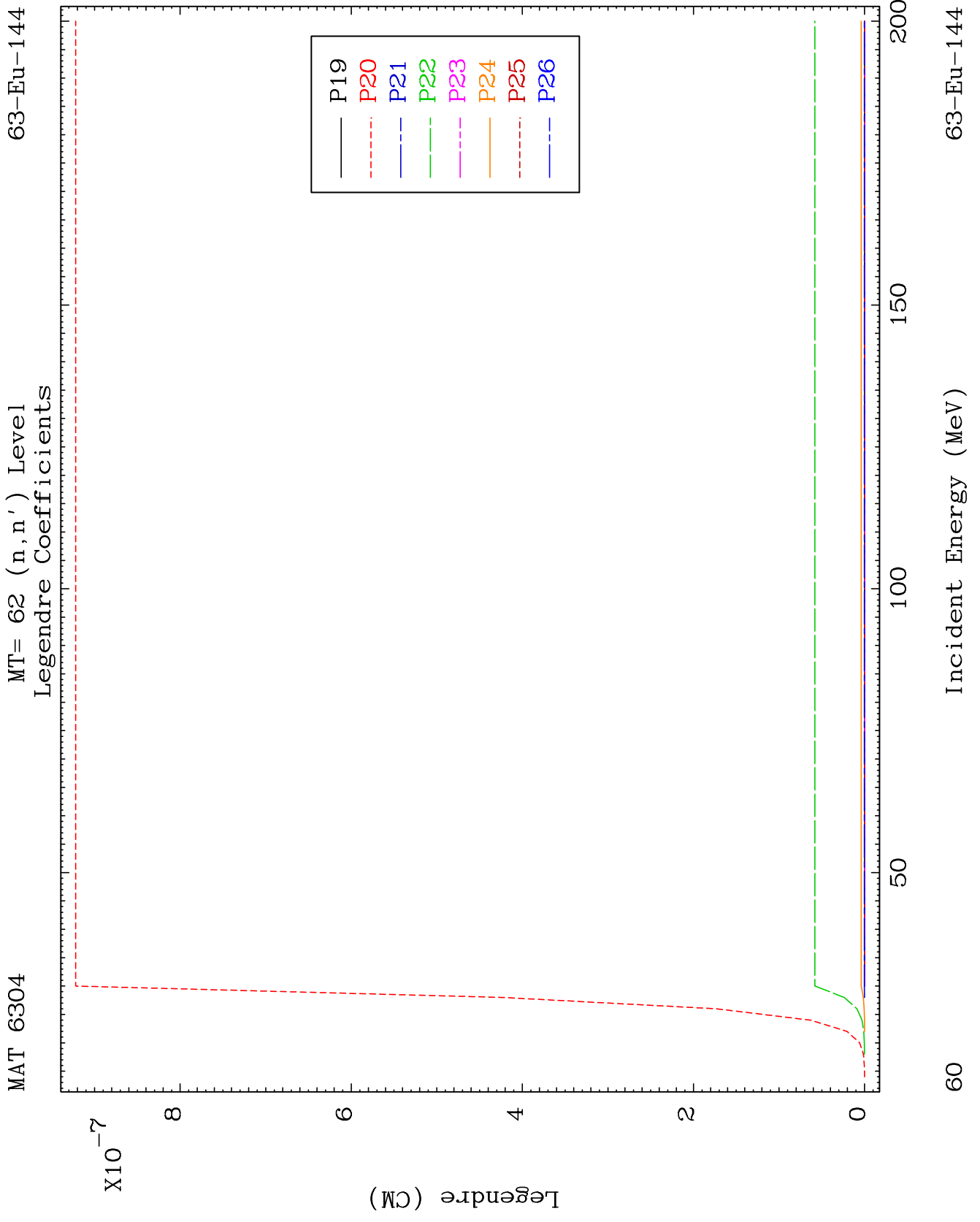
63-Eu-144



63-Eu-144

Incident Energy (MeV)

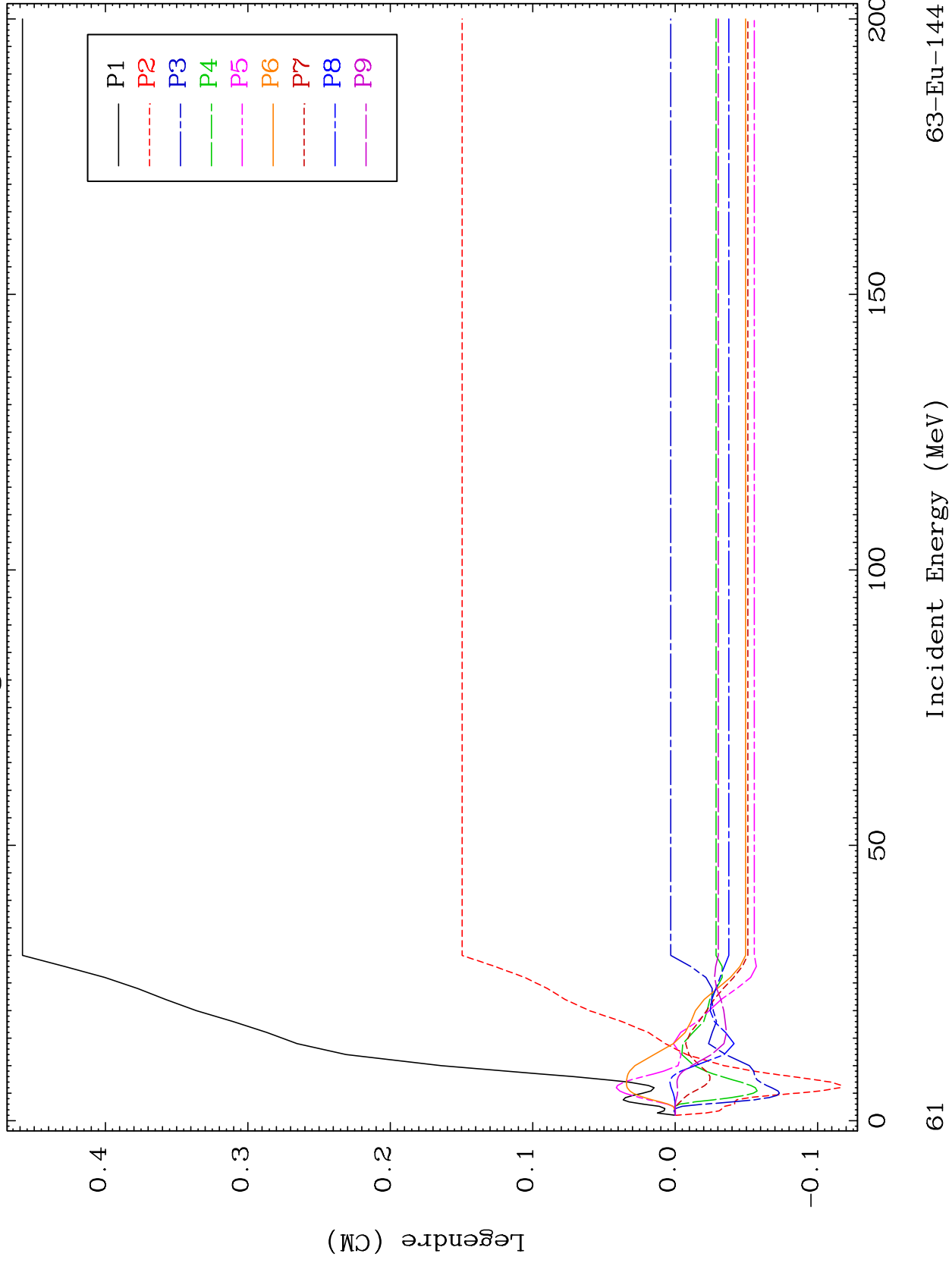
59



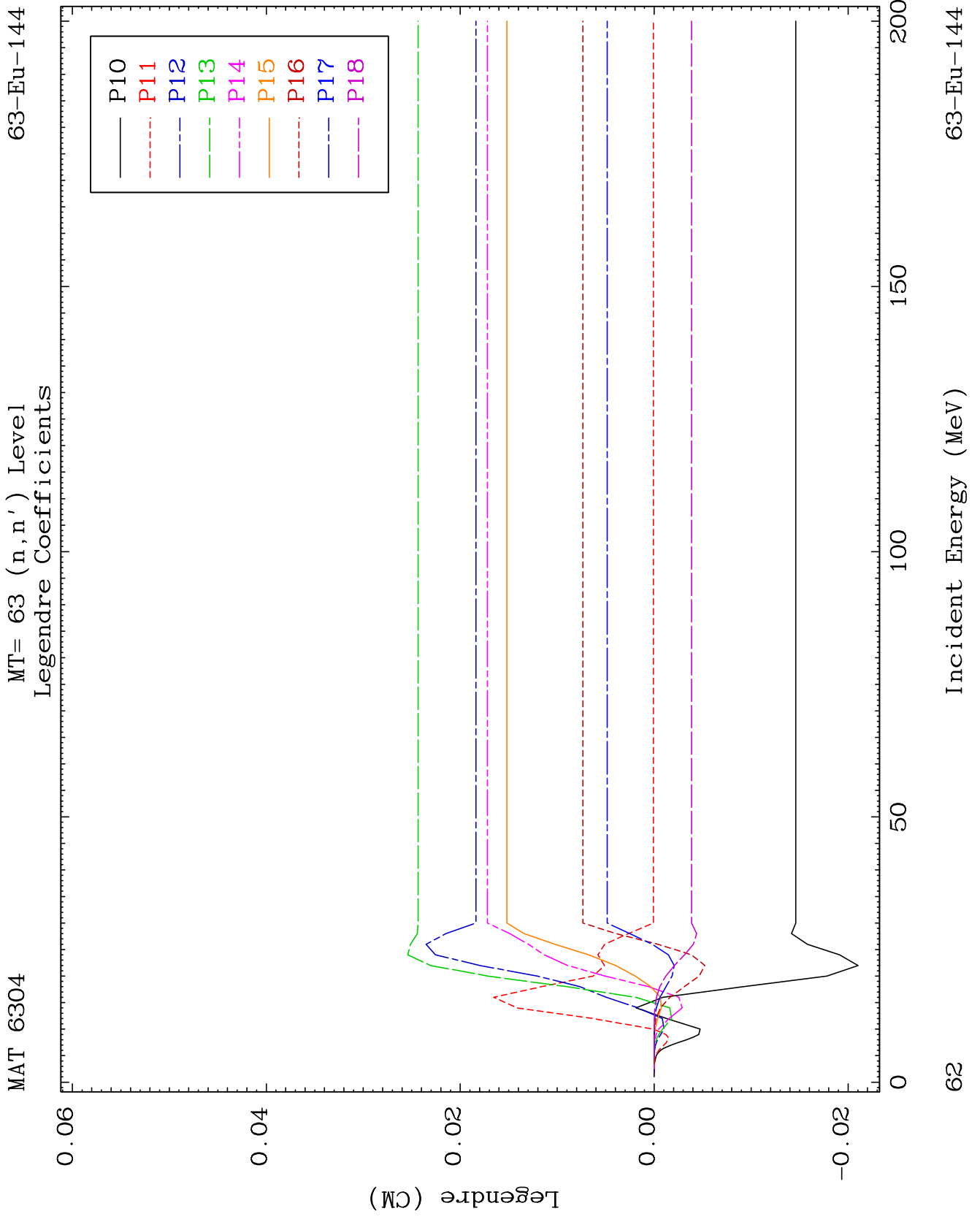
MAT 6304

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

63-Eu-144



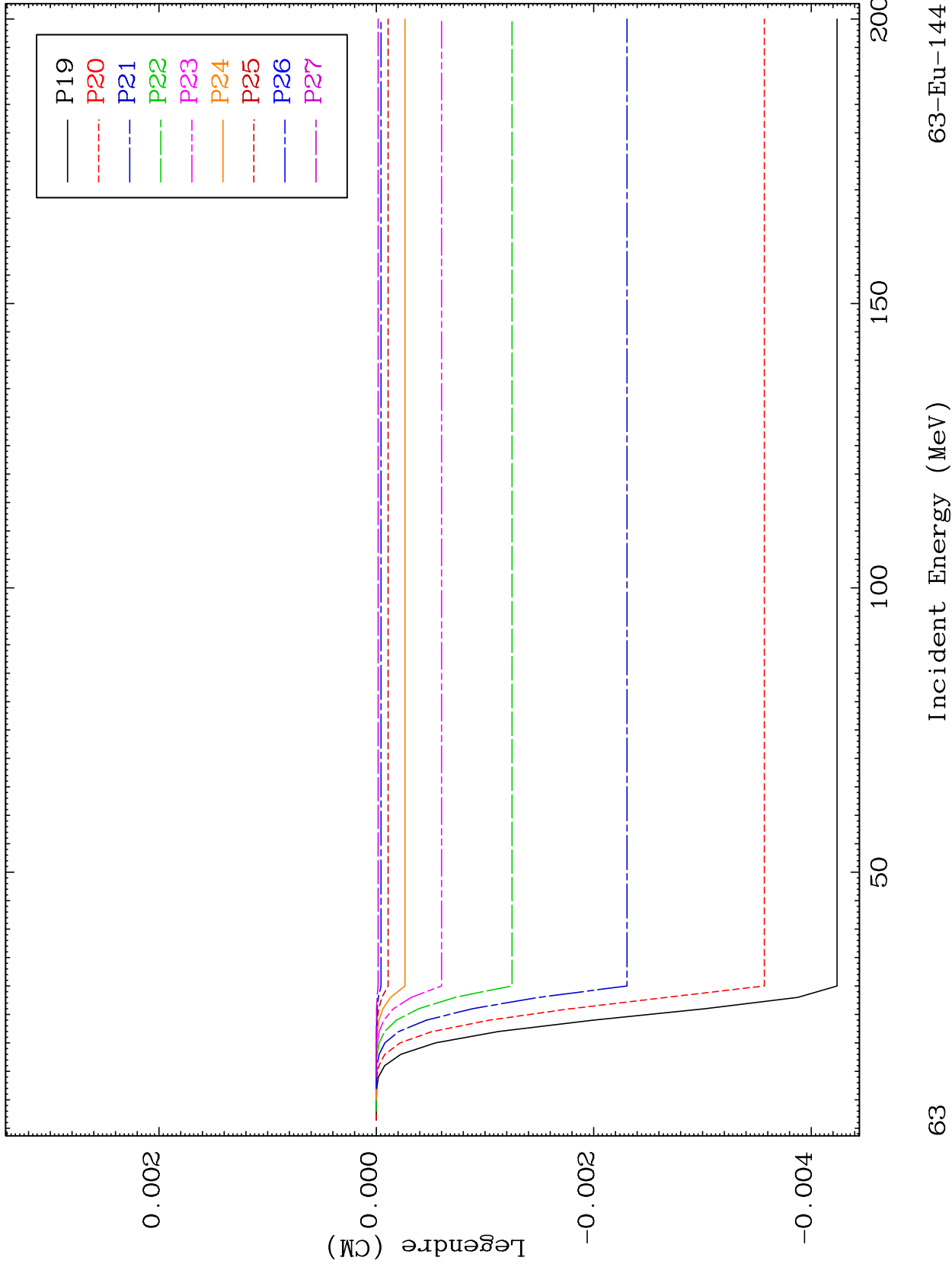
61



MAT 6304

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

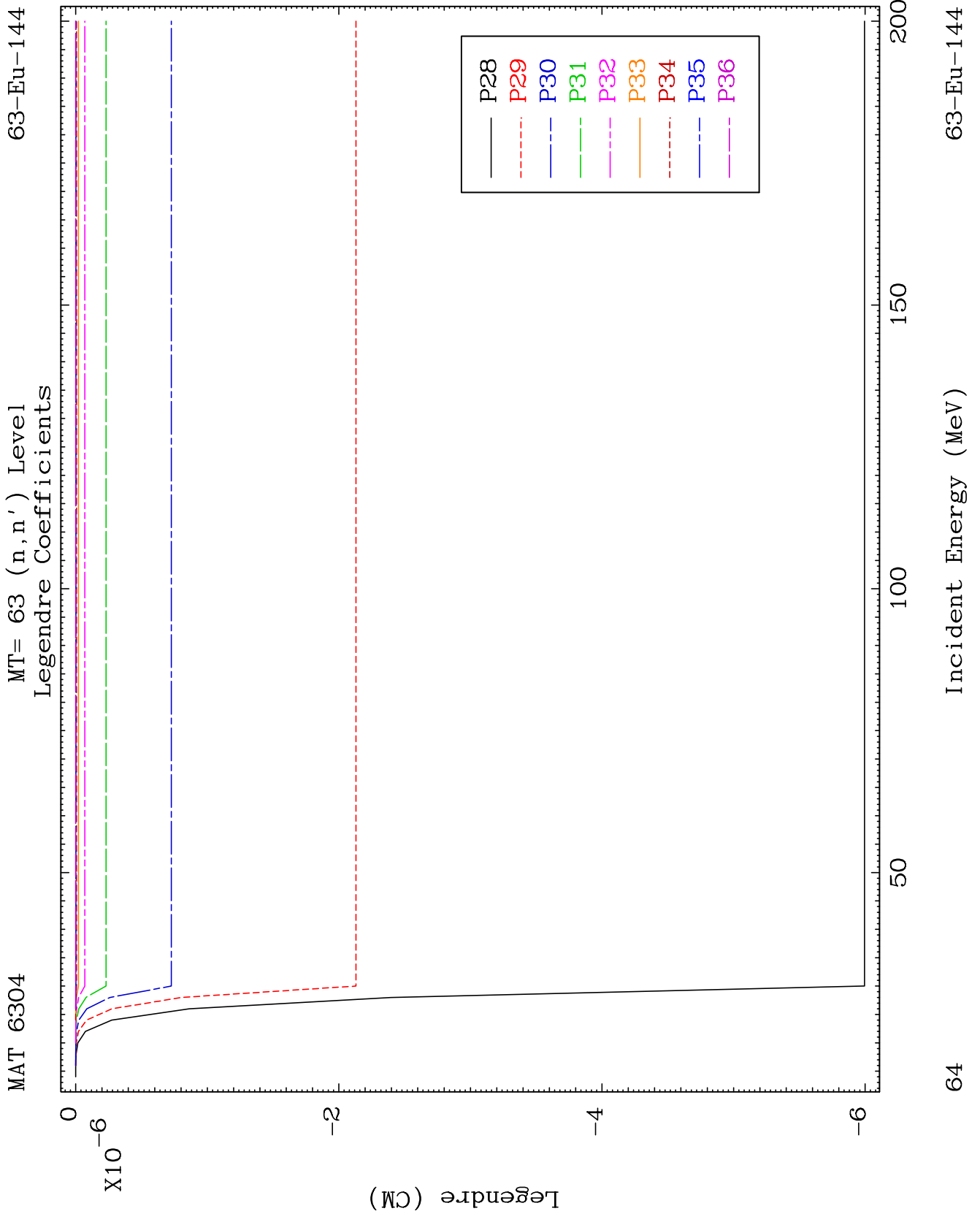
63-Eu-144



63

Incident Energy (MeV)

63-Eu-144

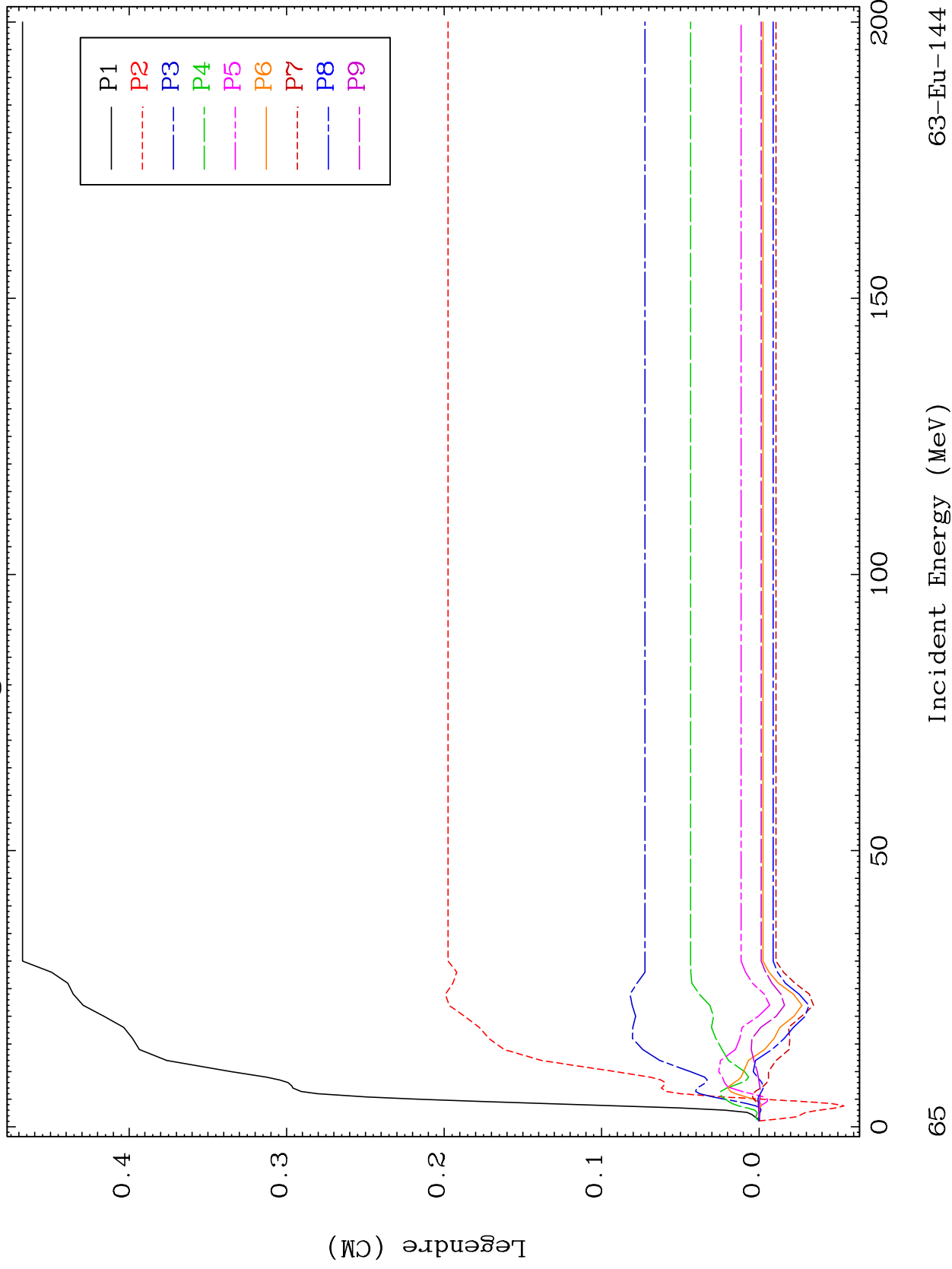


MAT 6304

MT= 64 (n,n') Level

63-Eu-144

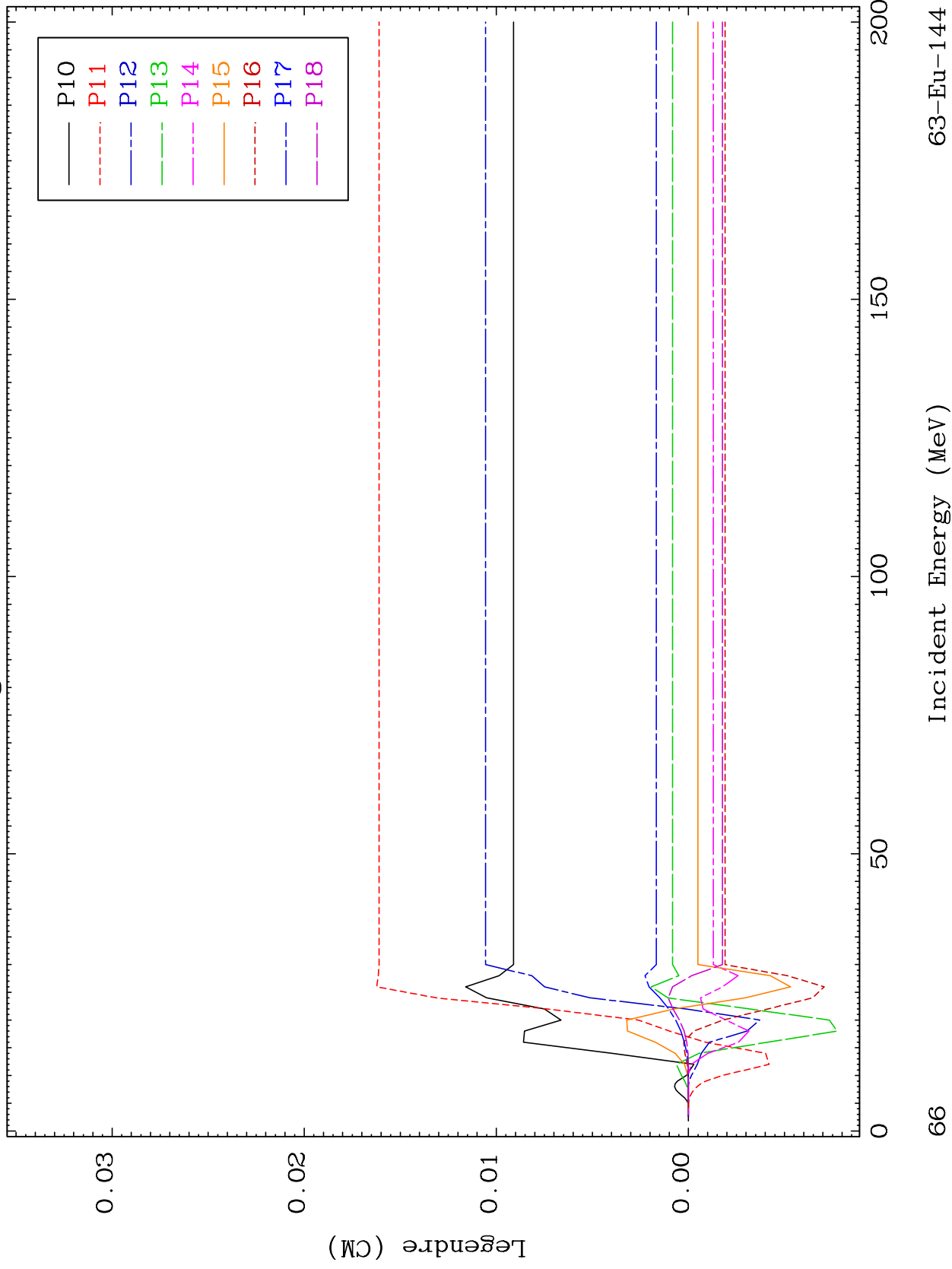
Legendre Coefficients



MAT 6304

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

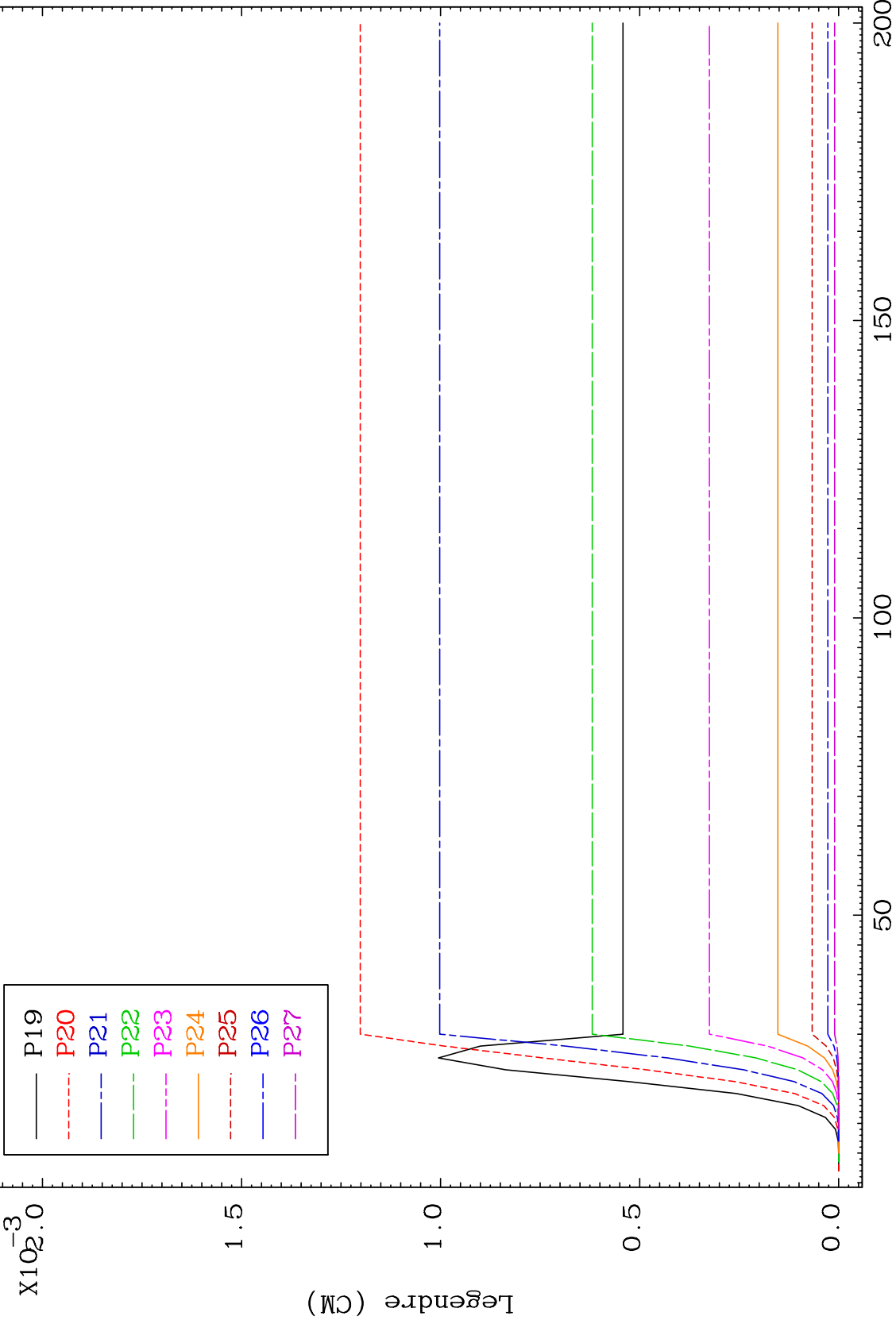
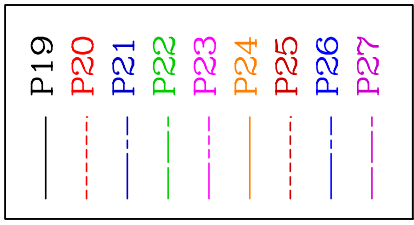
63-Eu-144



MAT 6304

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

63-Eu-144



67

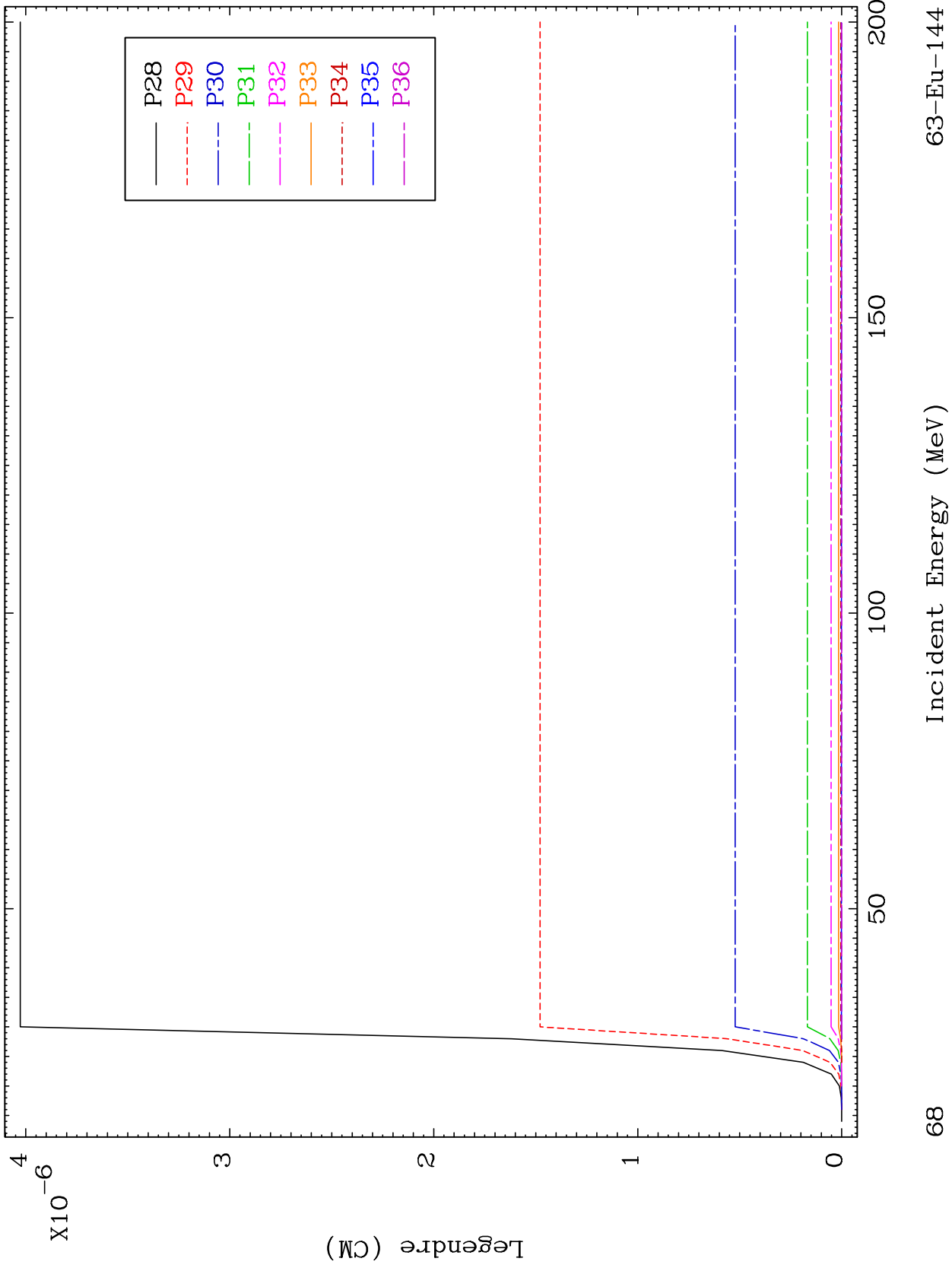
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

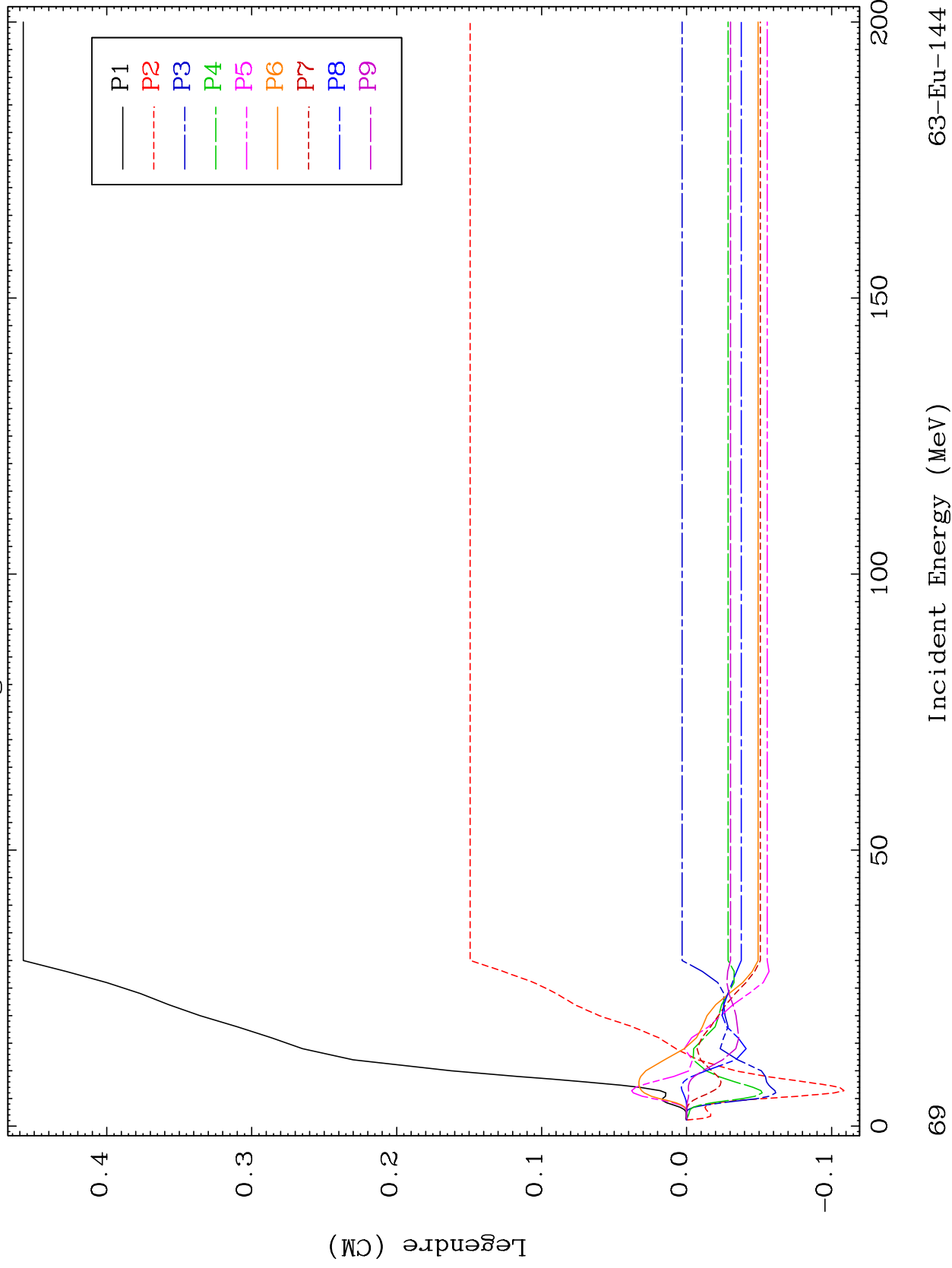
63-Eu-144



MAT 6304

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

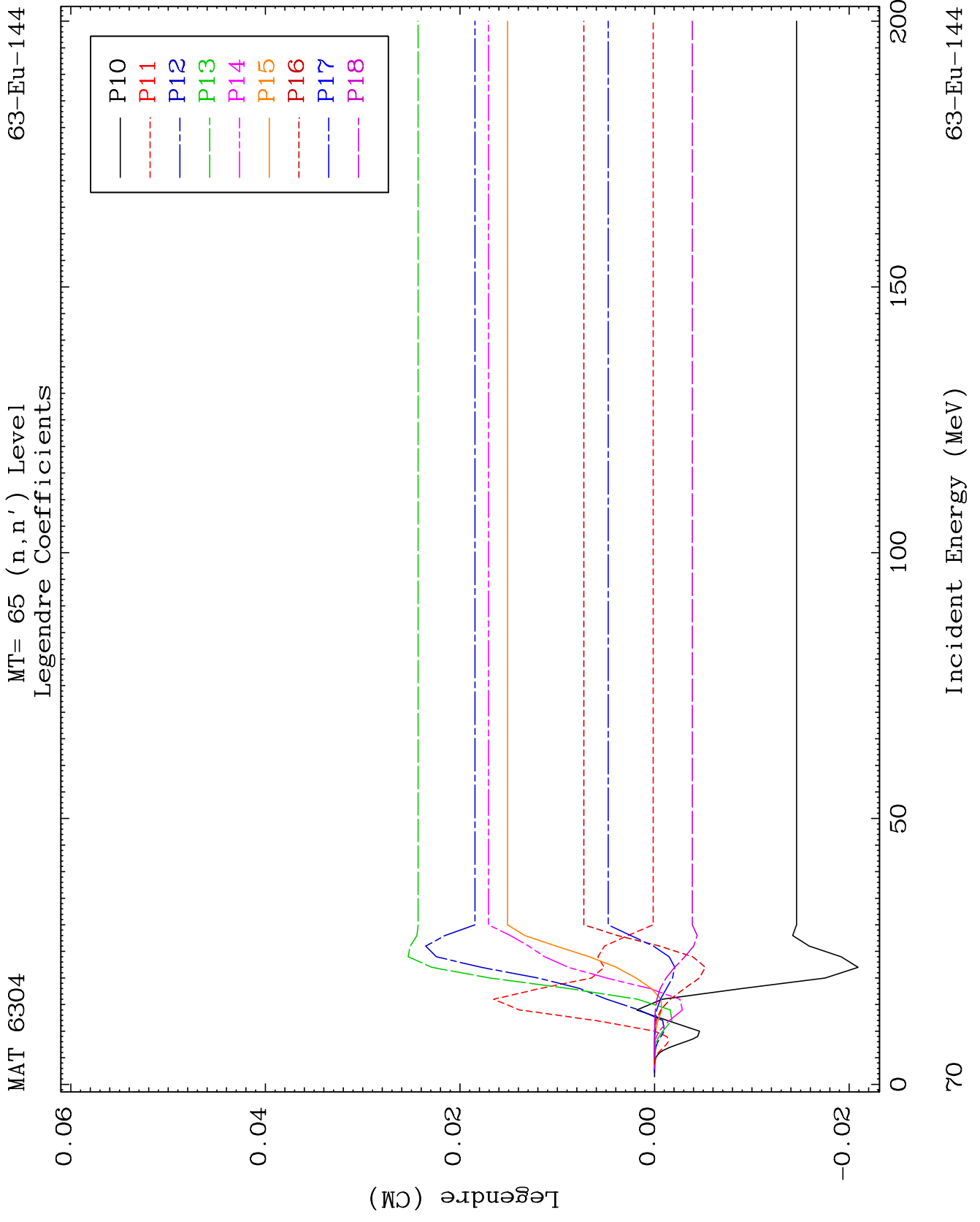
63-Eu-144



63-Eu-144

Incident Energy (MeV)

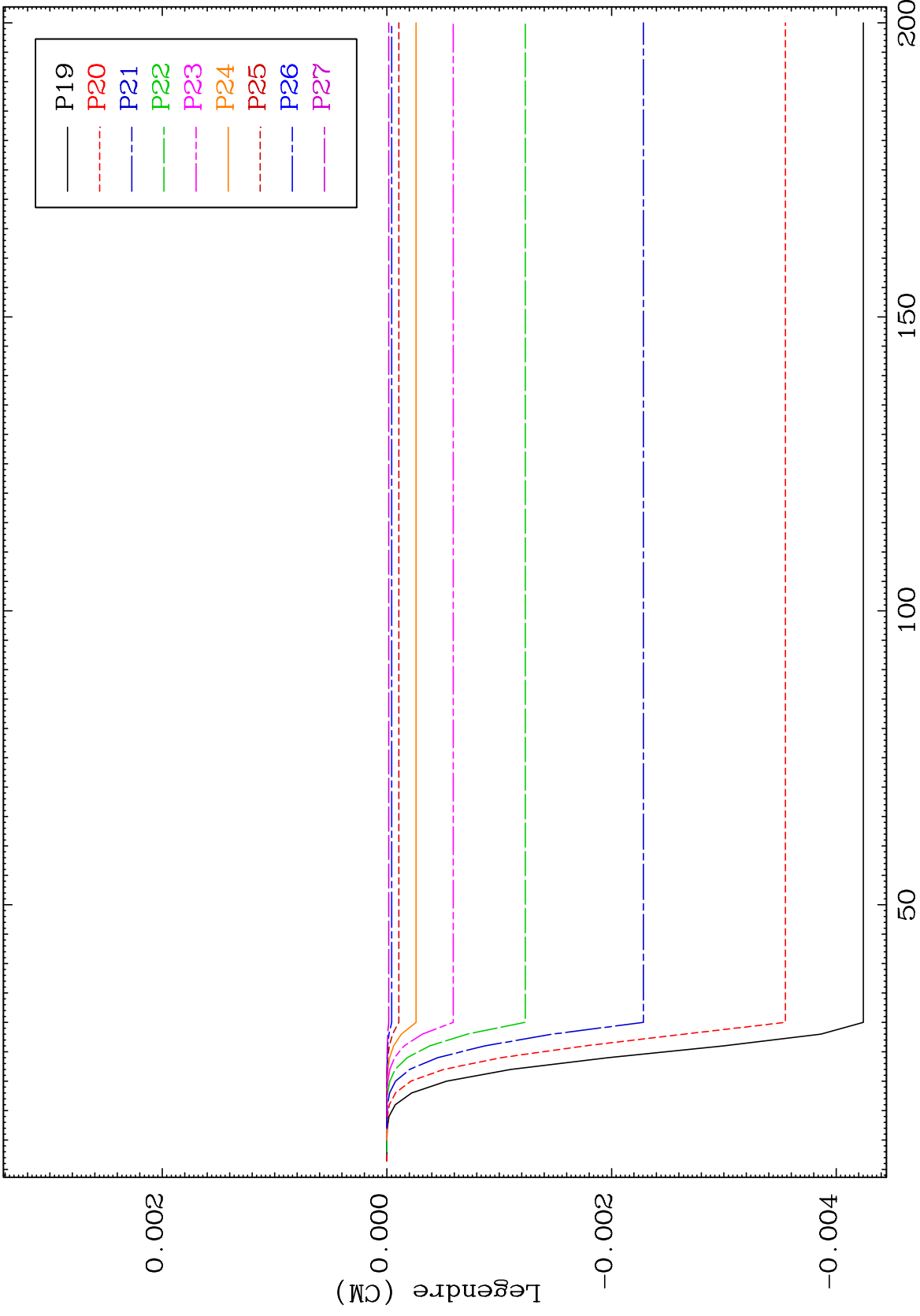
69



MAT 6304

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

63-Eu-144



71

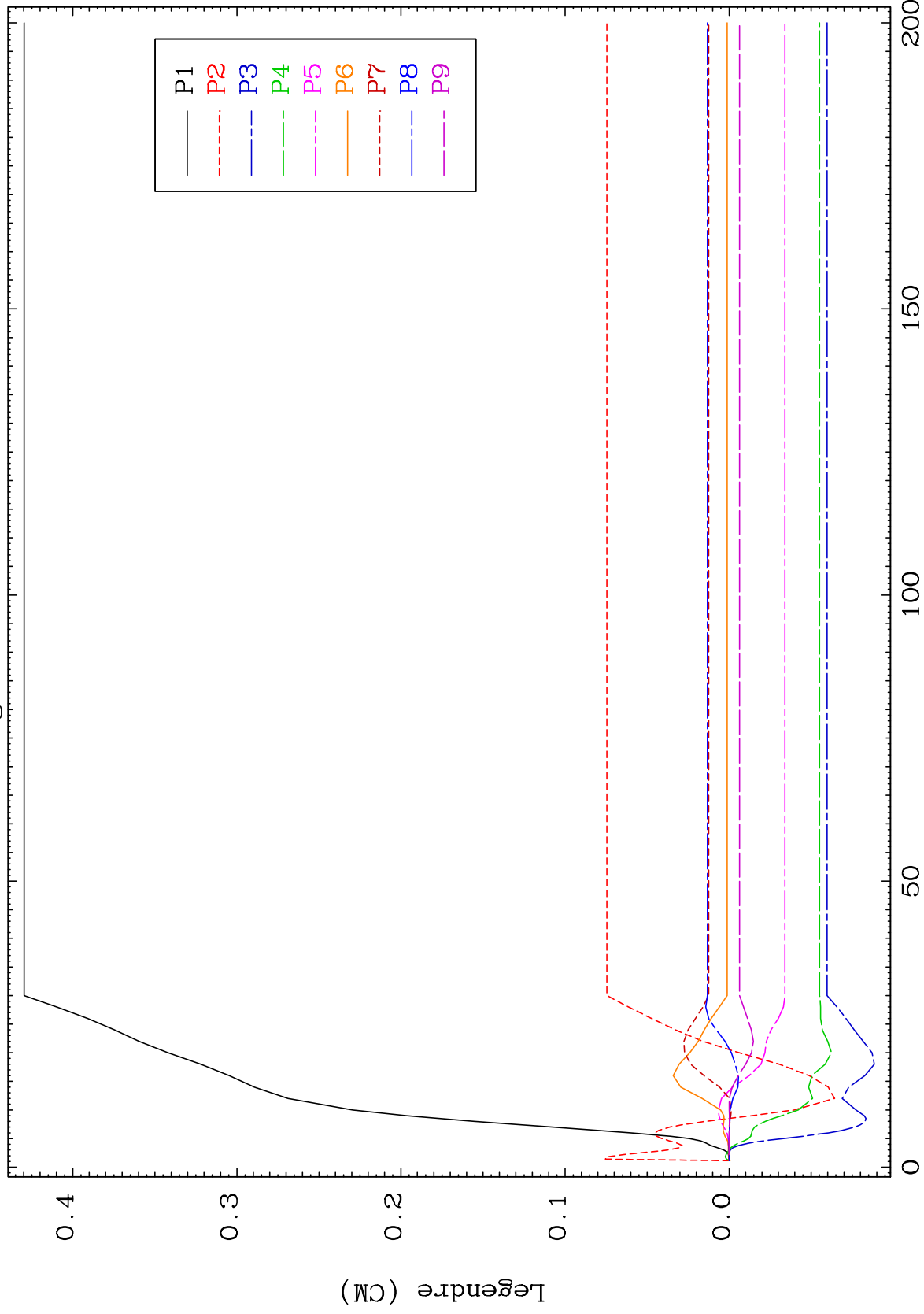
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



73

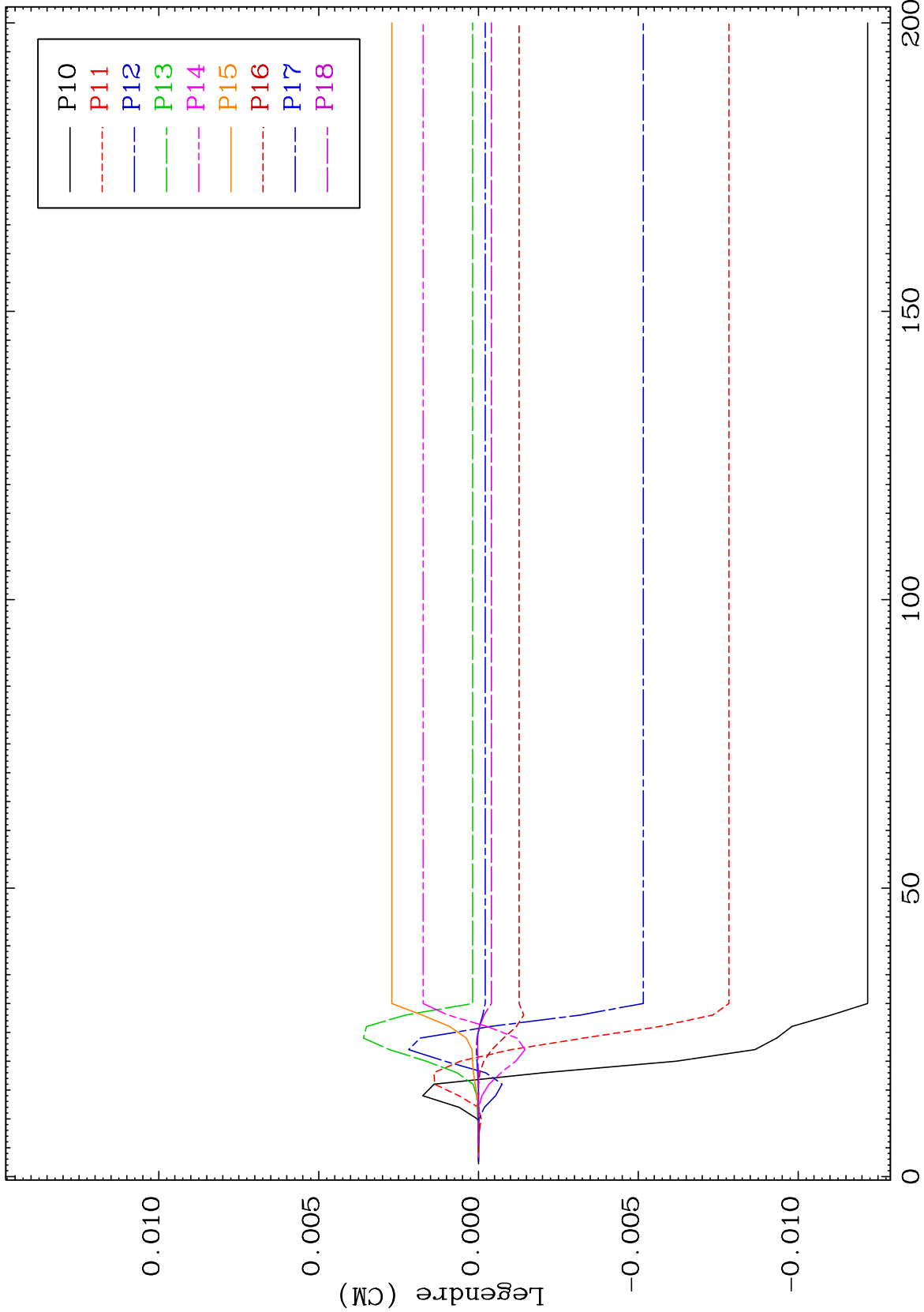
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



74

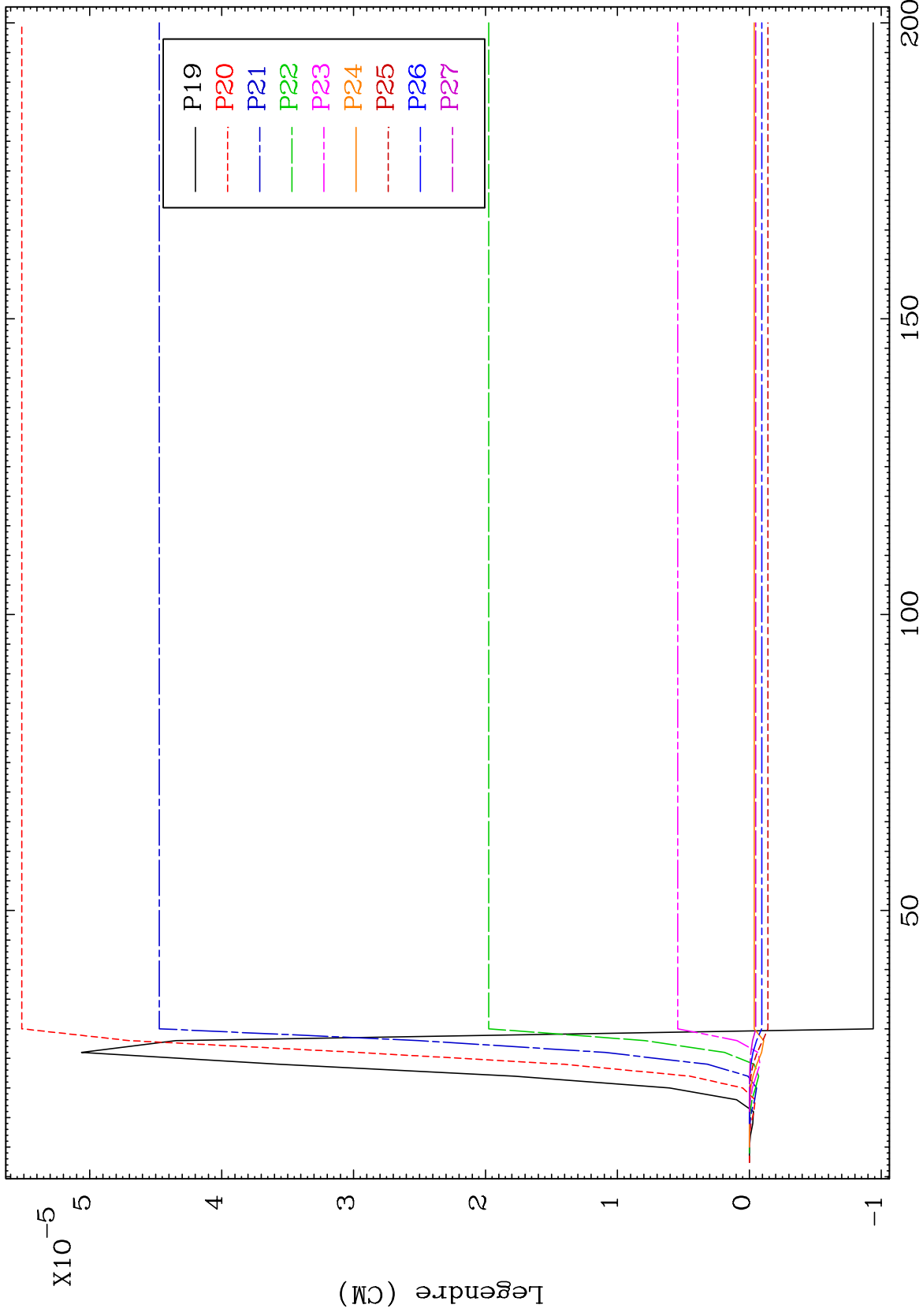
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



75

Incident Energy (MeV)

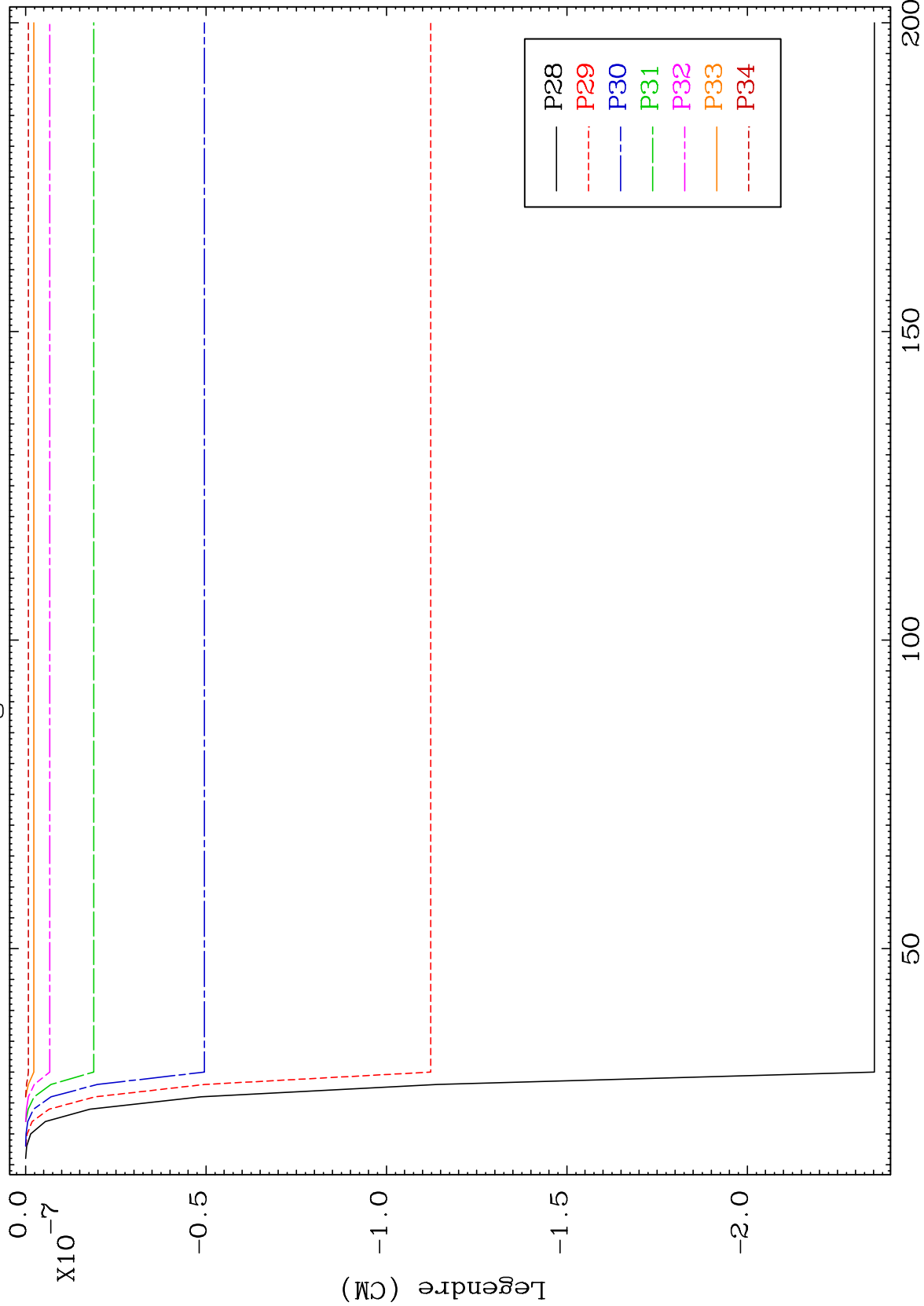
63-Eu-144

MAT 6304

MT= 66 (n,n') Level

63-Eu-144

Legendre Coefficients



76

Incident Energy (MeV)

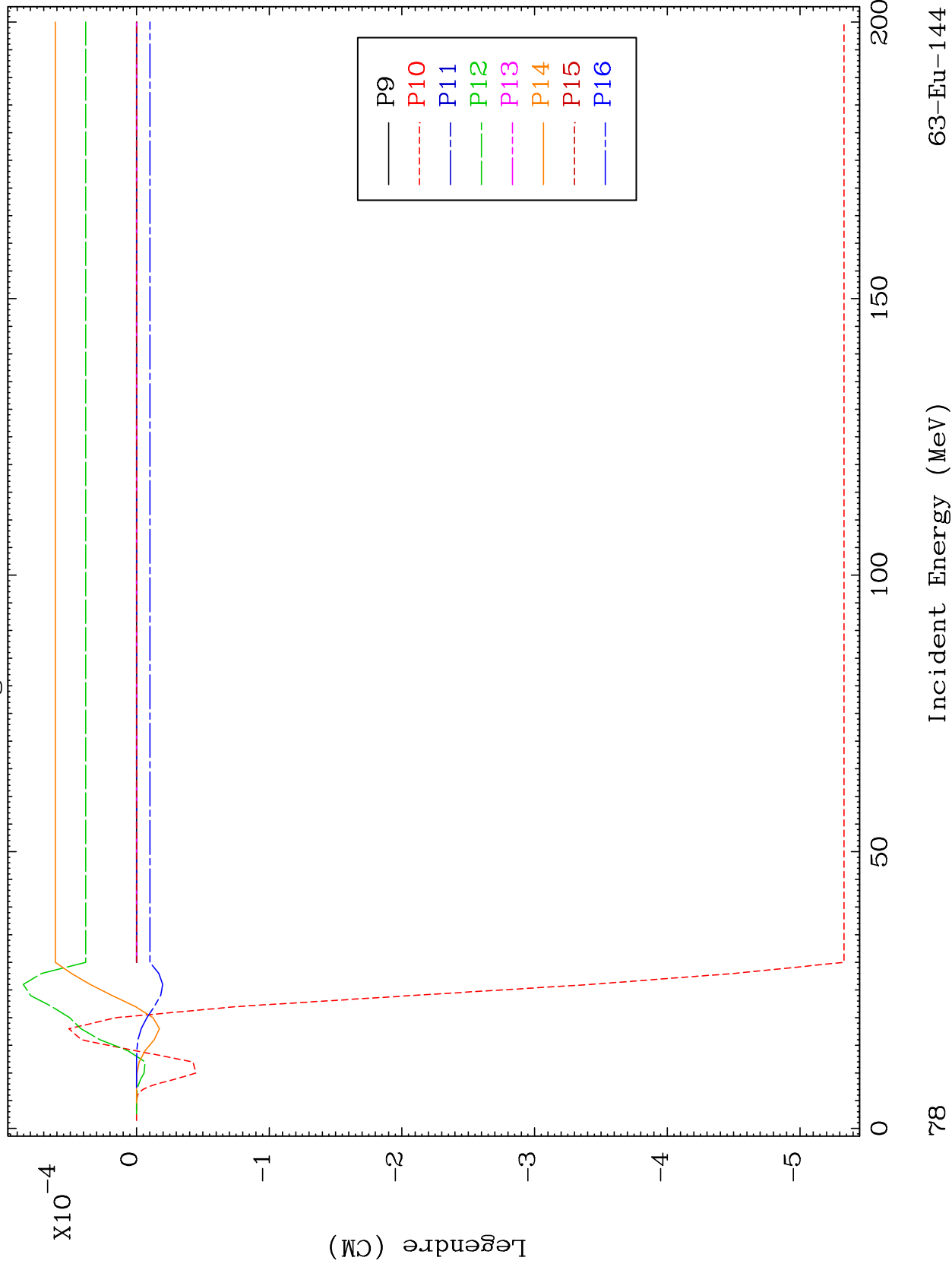
63-Eu-144

MAT 6304

MT= 67 (n,n') Level

63-Eu-144

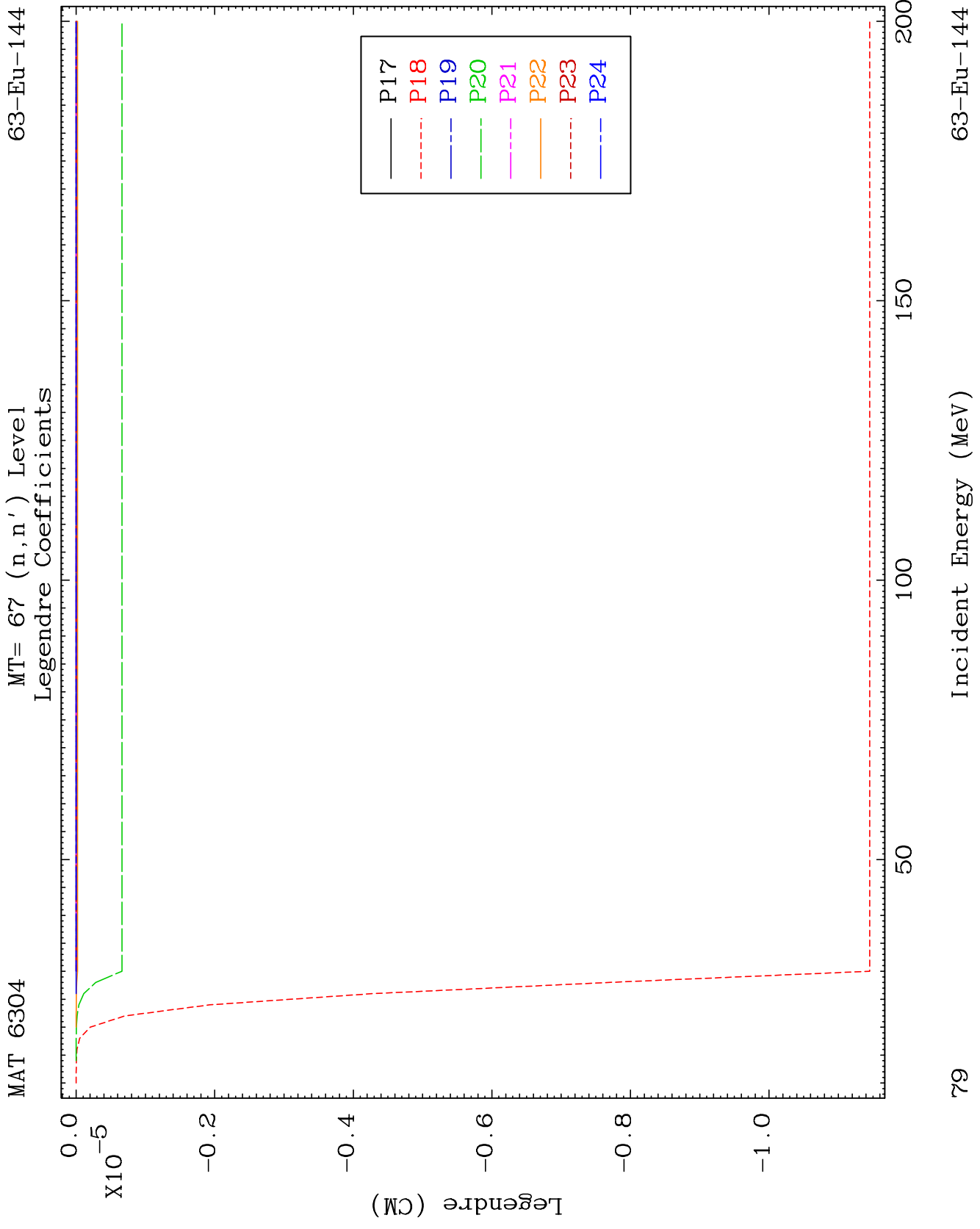
Legendre Coefficients

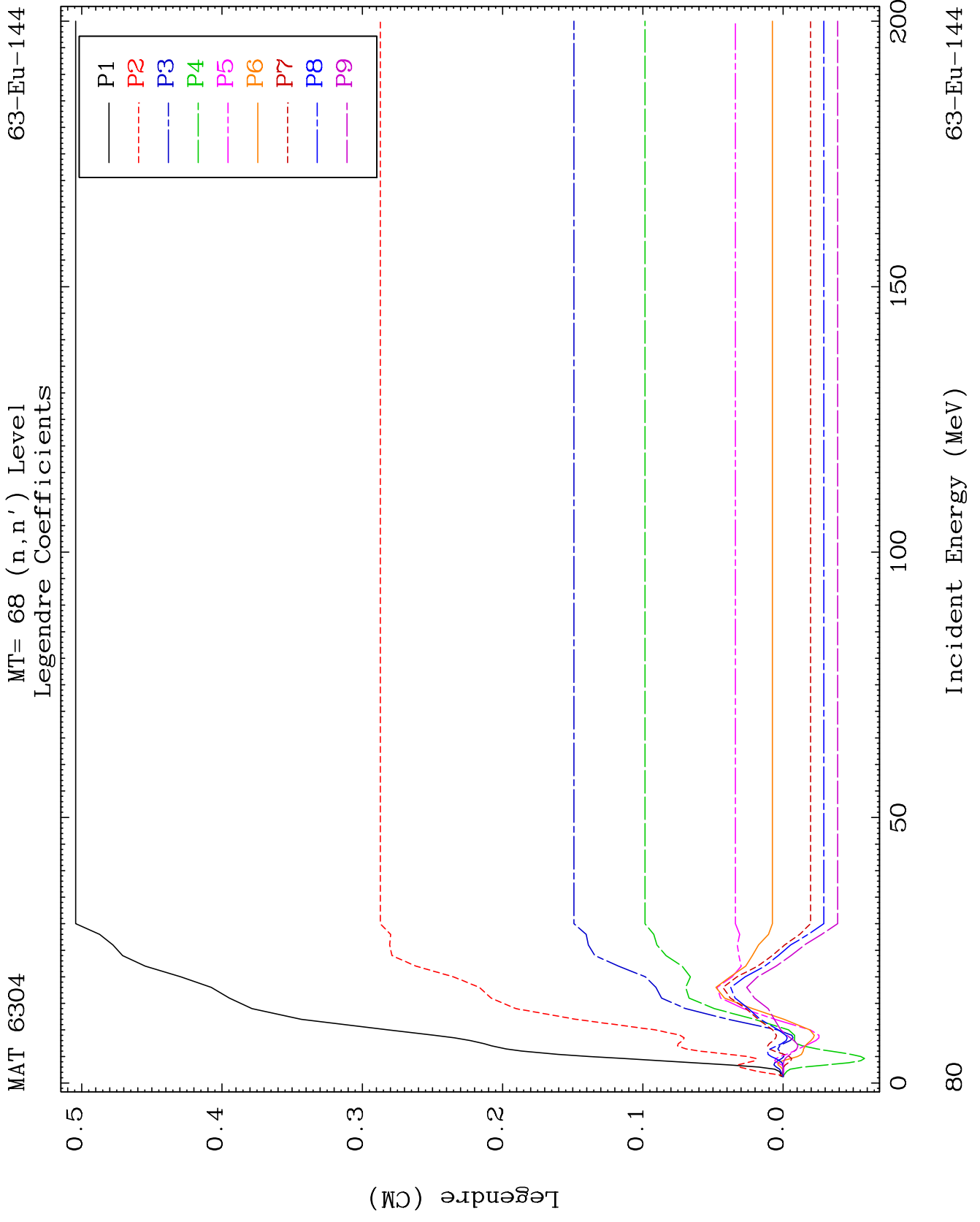


78

Incident Energy (MeV)

63-Eu-144

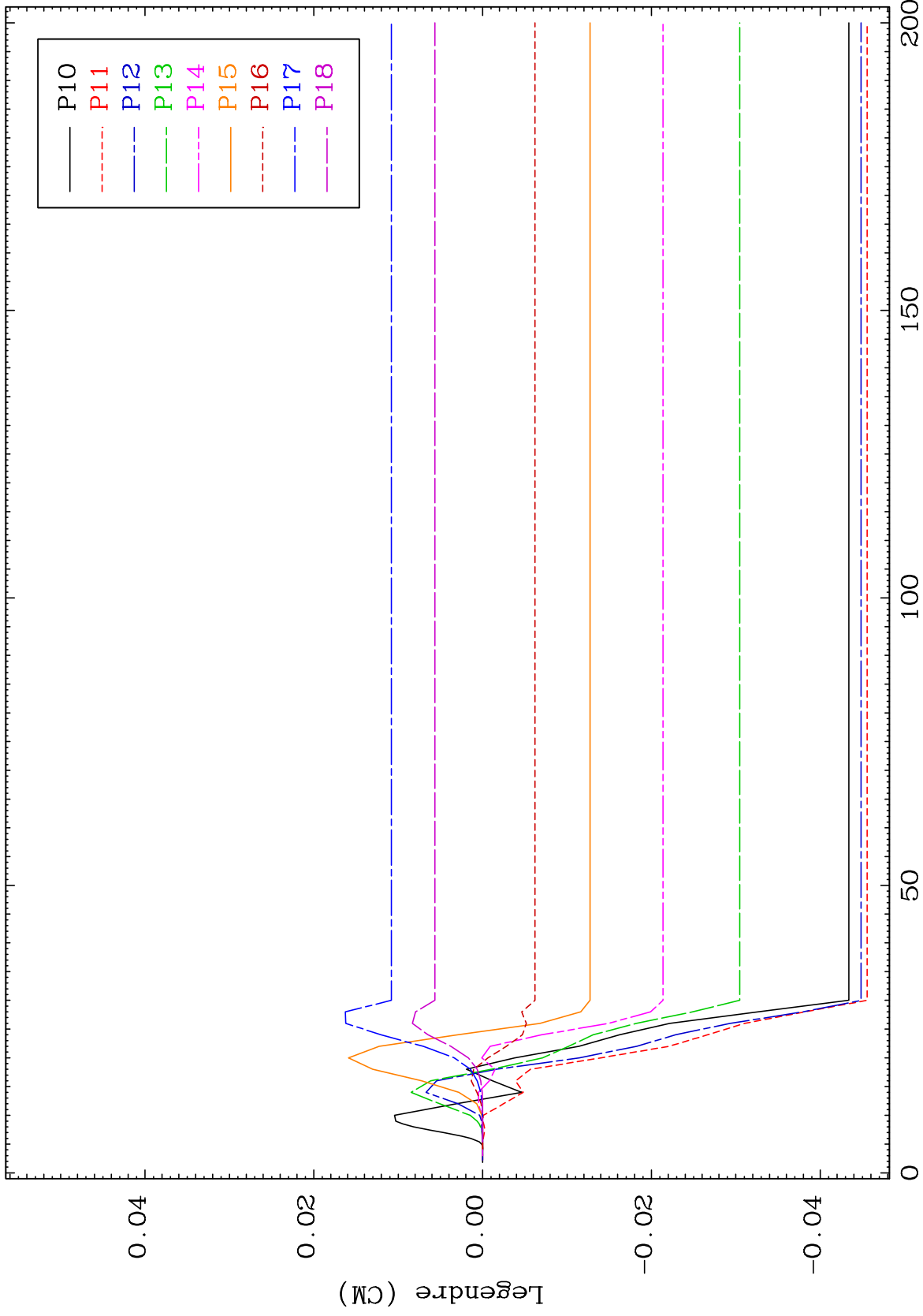




MAT 6304

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

63-Eu-144



81

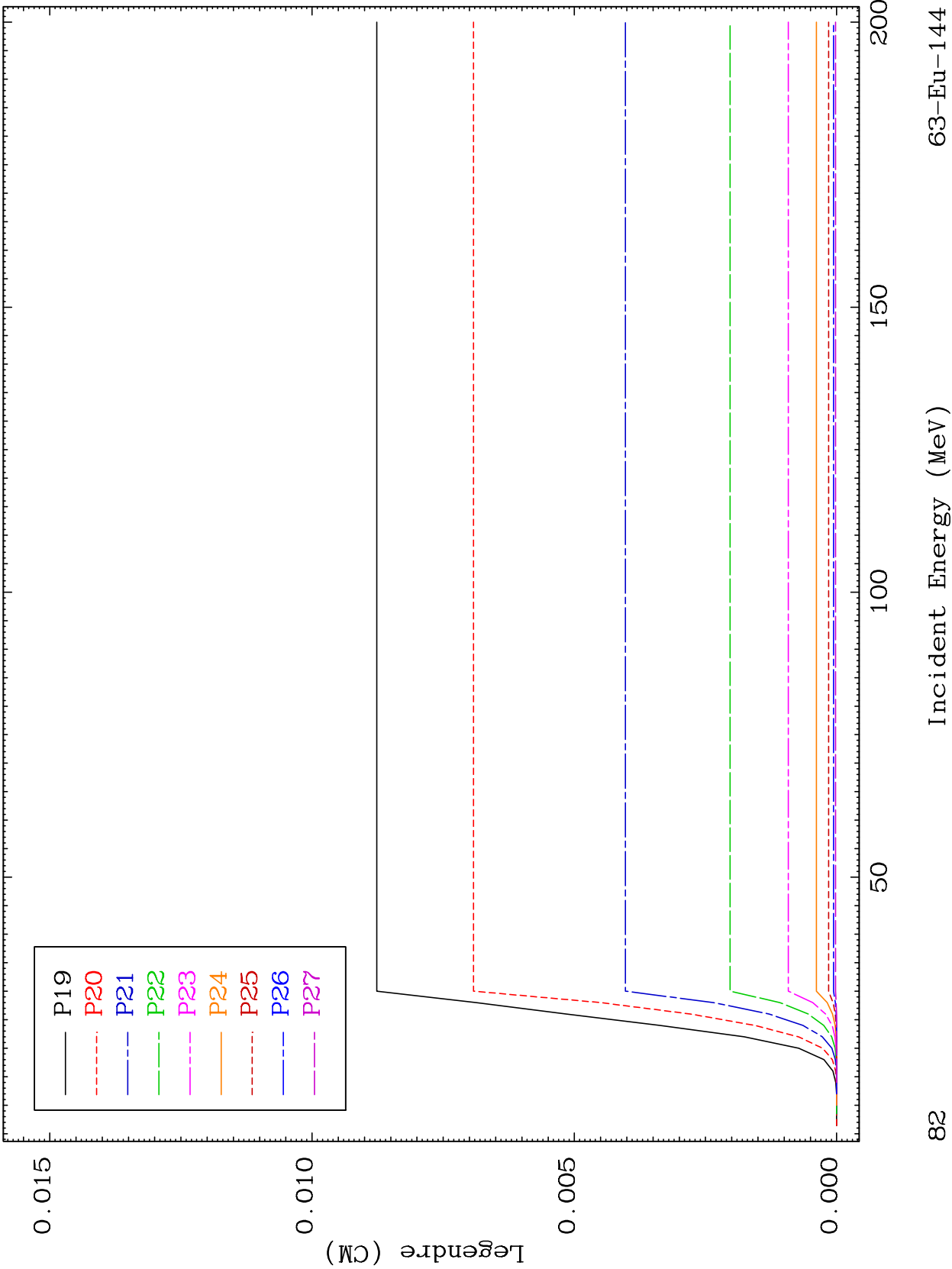
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



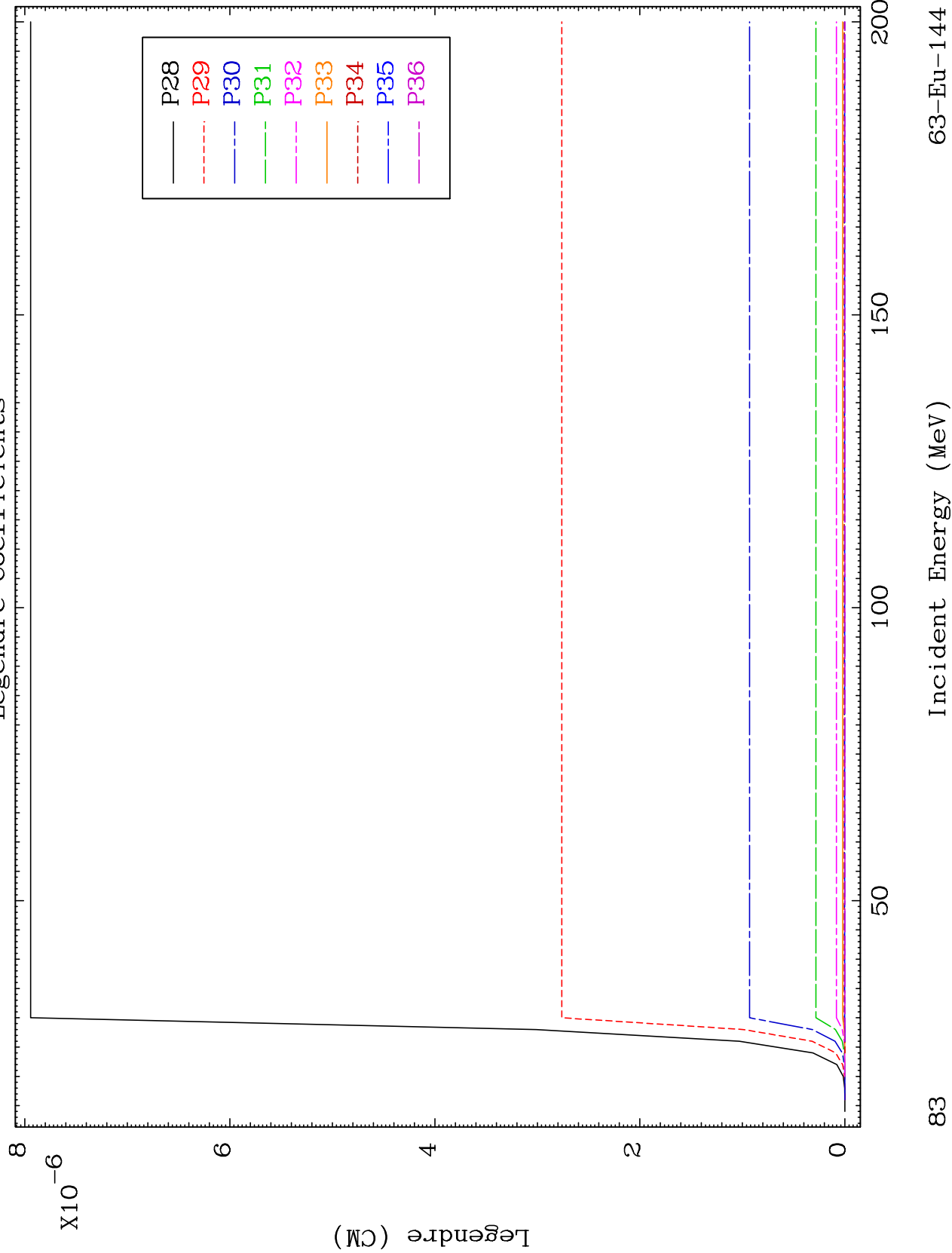
82

63-Eu-144

MAT 6304

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

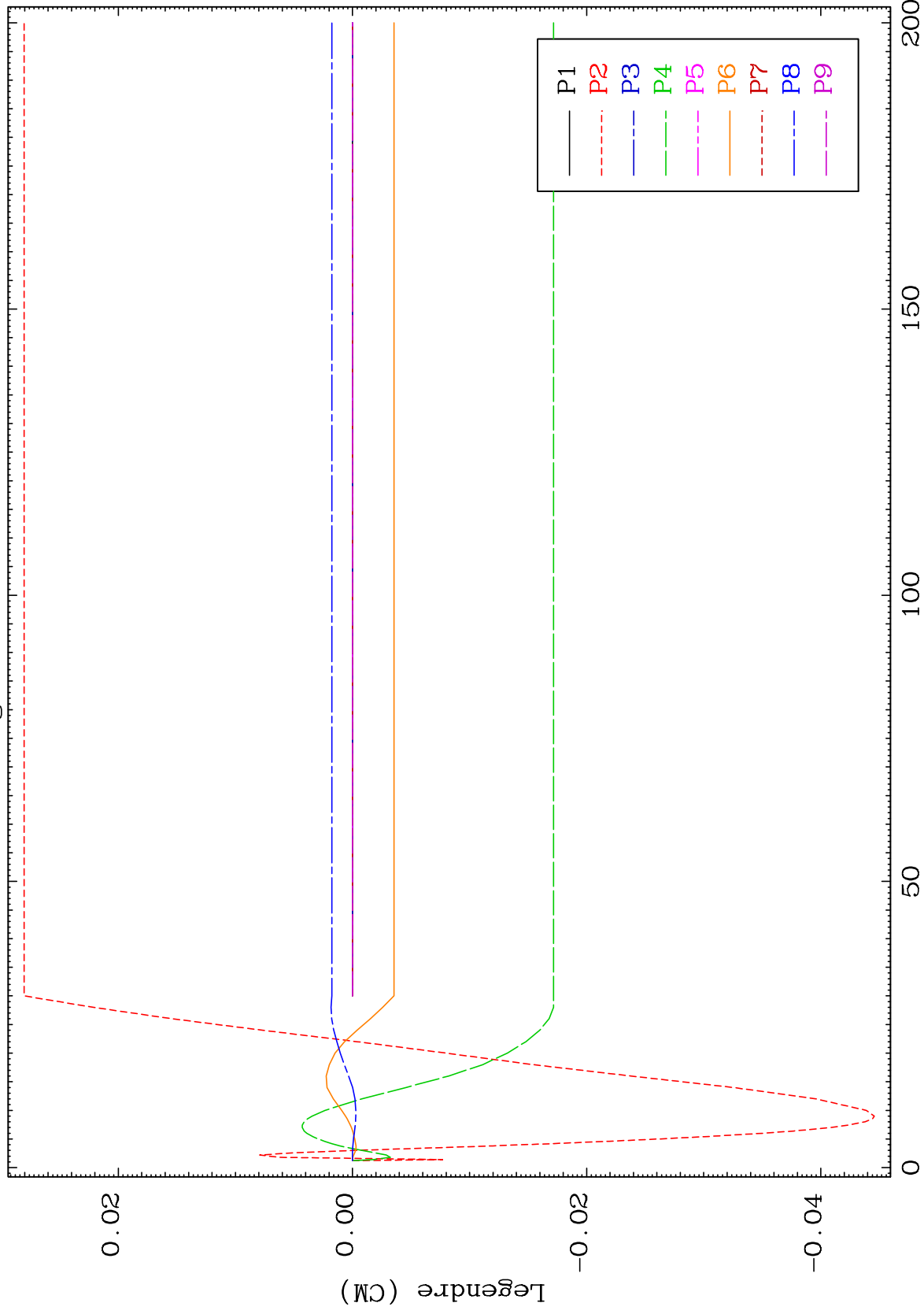
63-Eu-144



MAT 6304

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

63-Eu-144



84

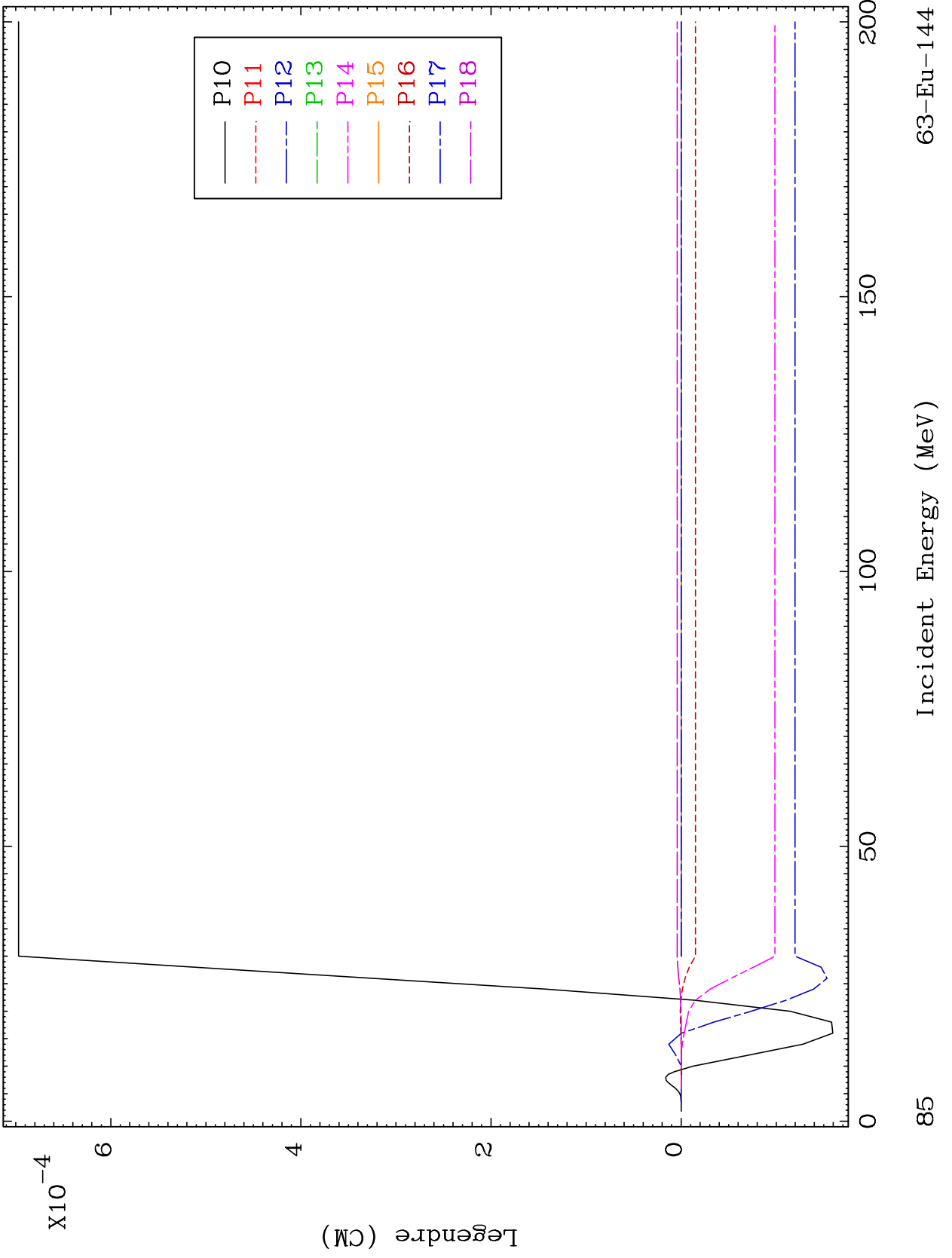
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

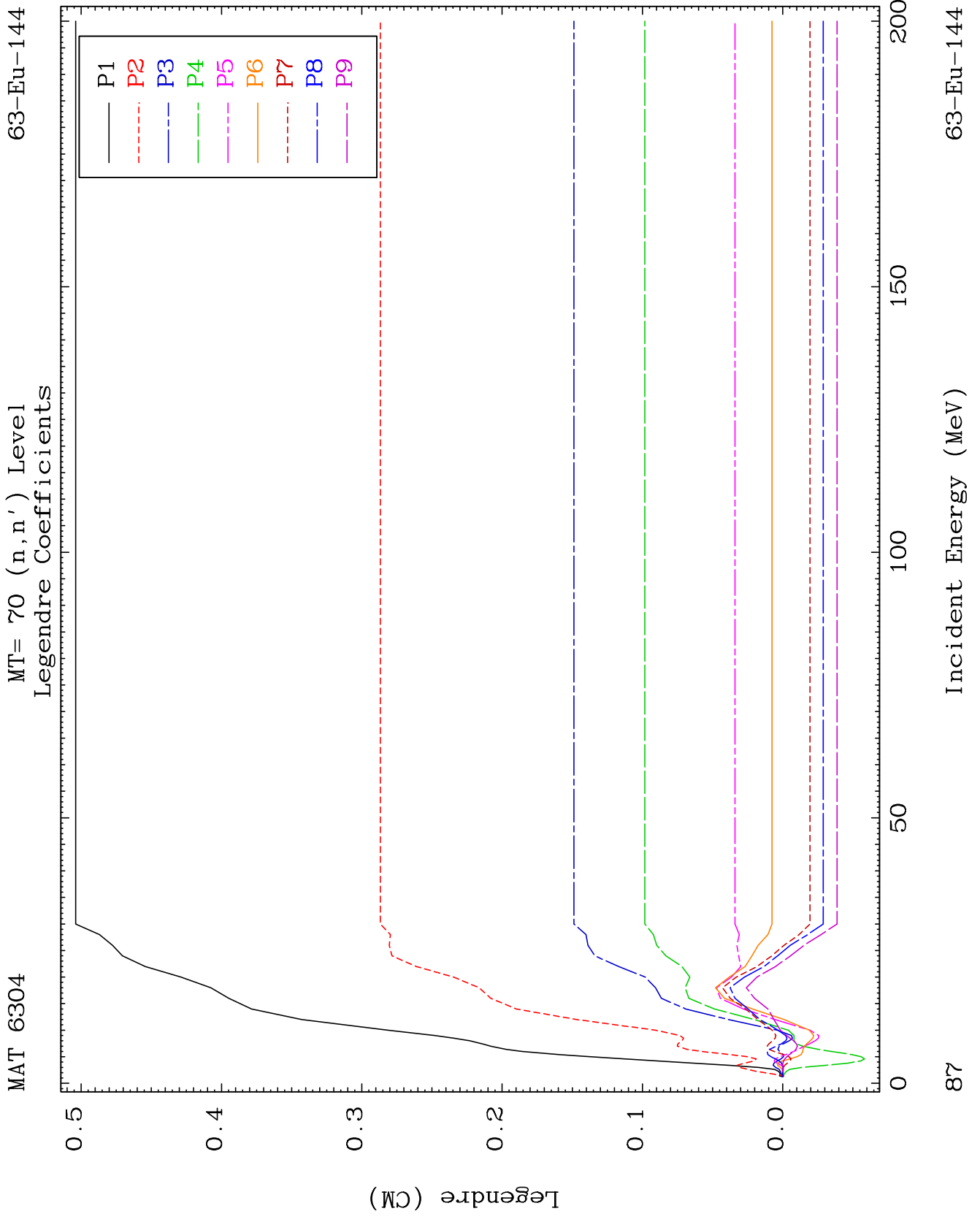
63-Eu-144



63-Eu-144

Incident Energy (MeV)

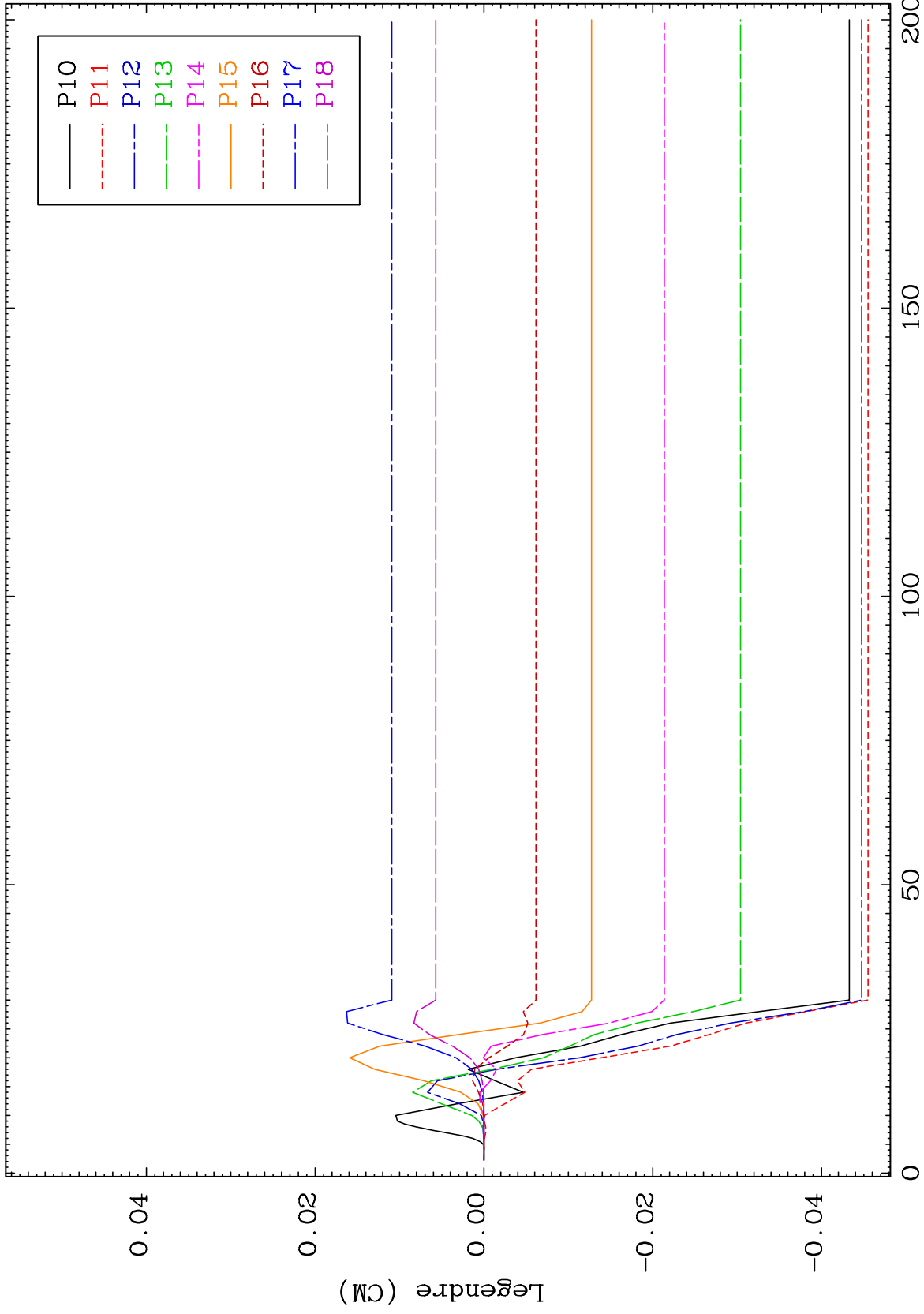
85



MAT 6304

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

63-Eu-144



88

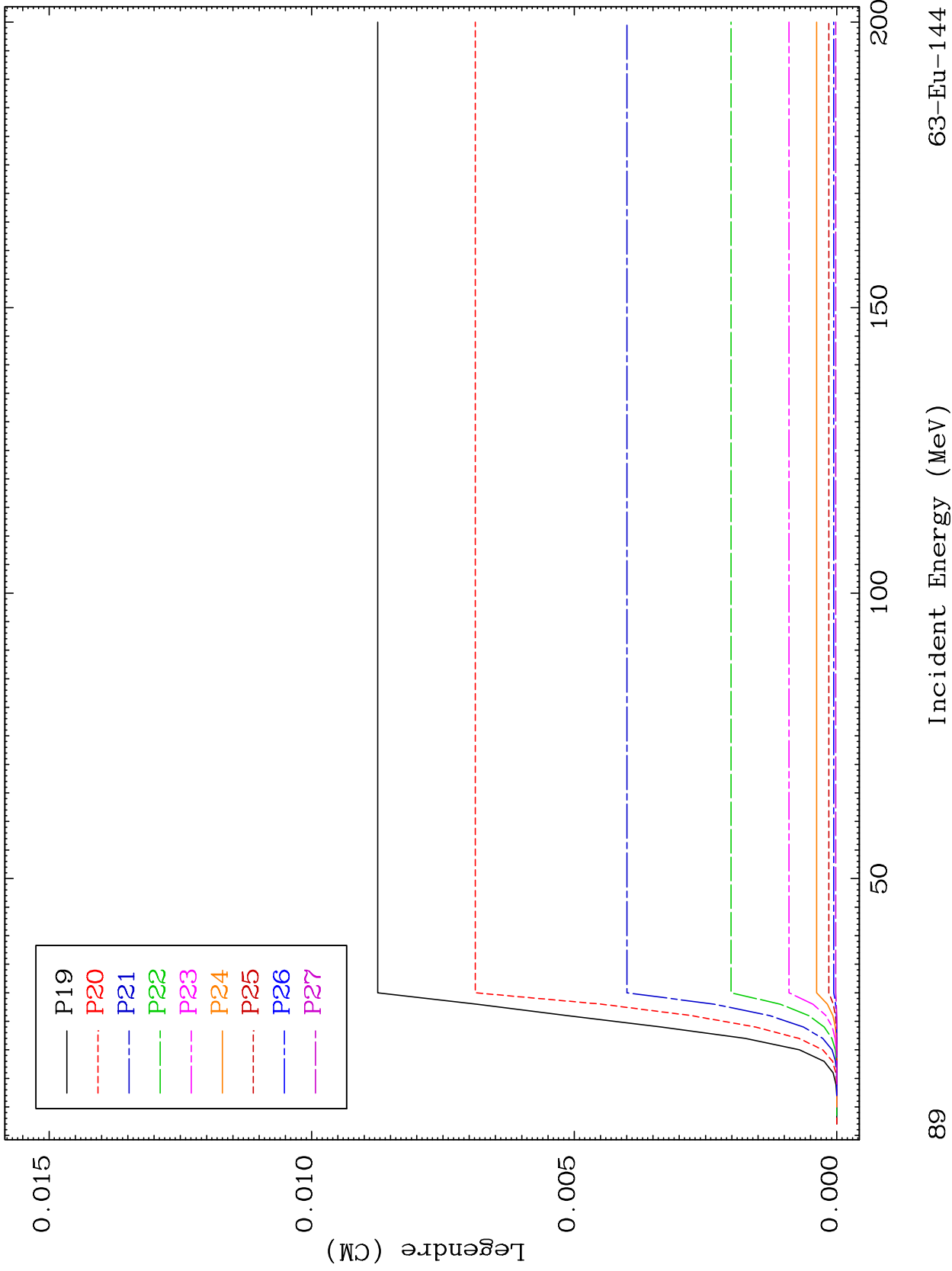
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



89

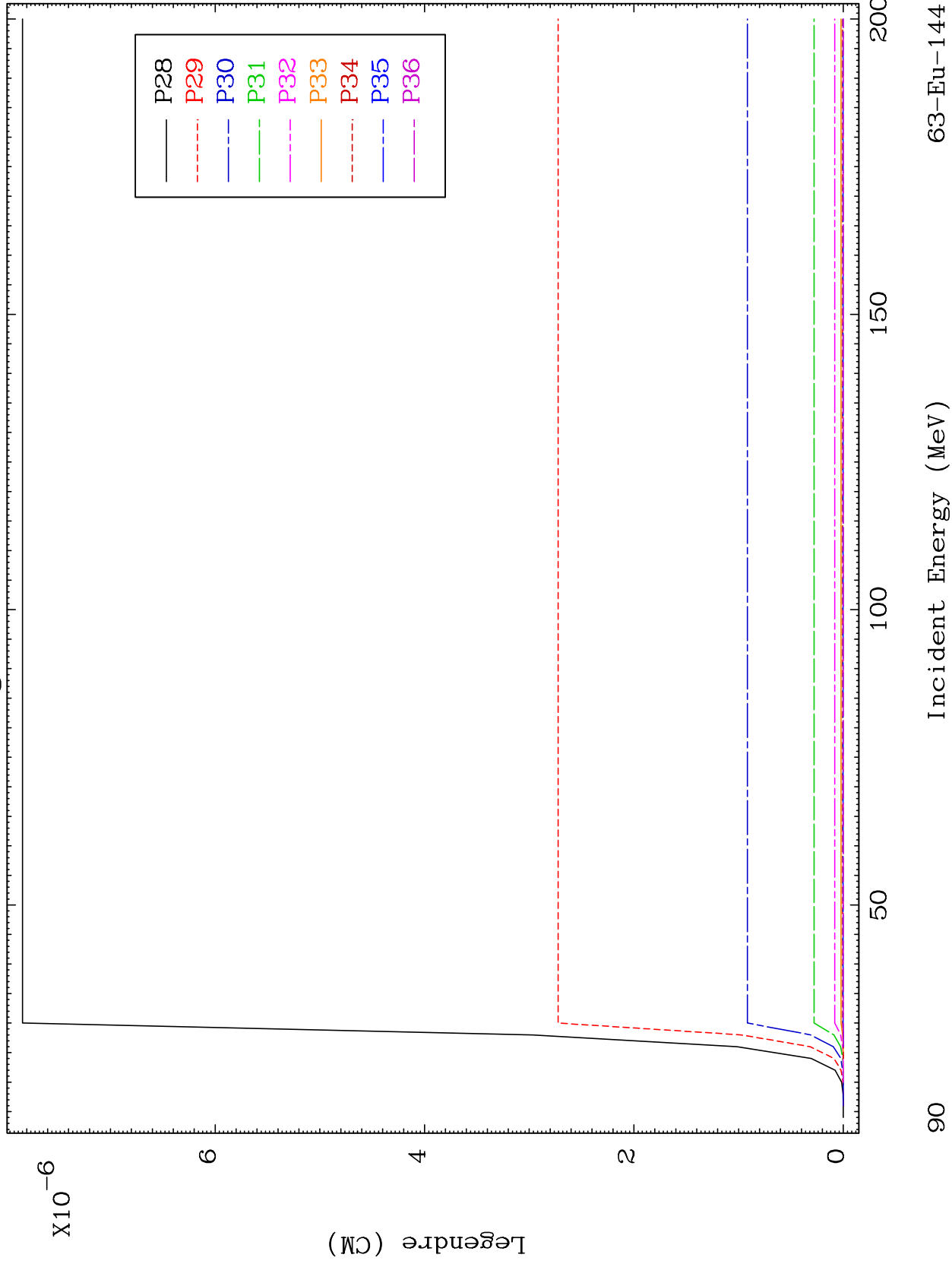
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

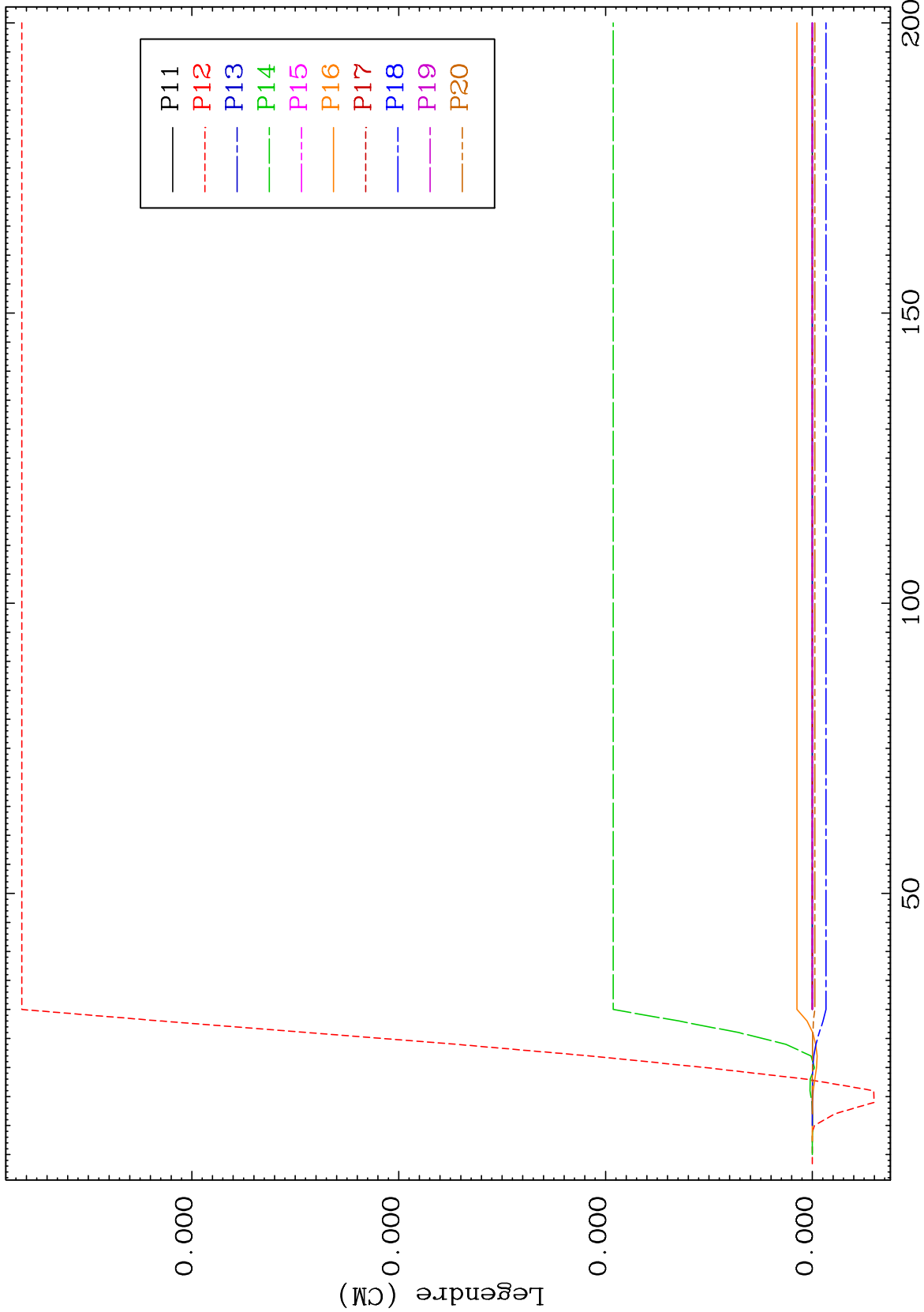
63-Eu-144



MAT 6304

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

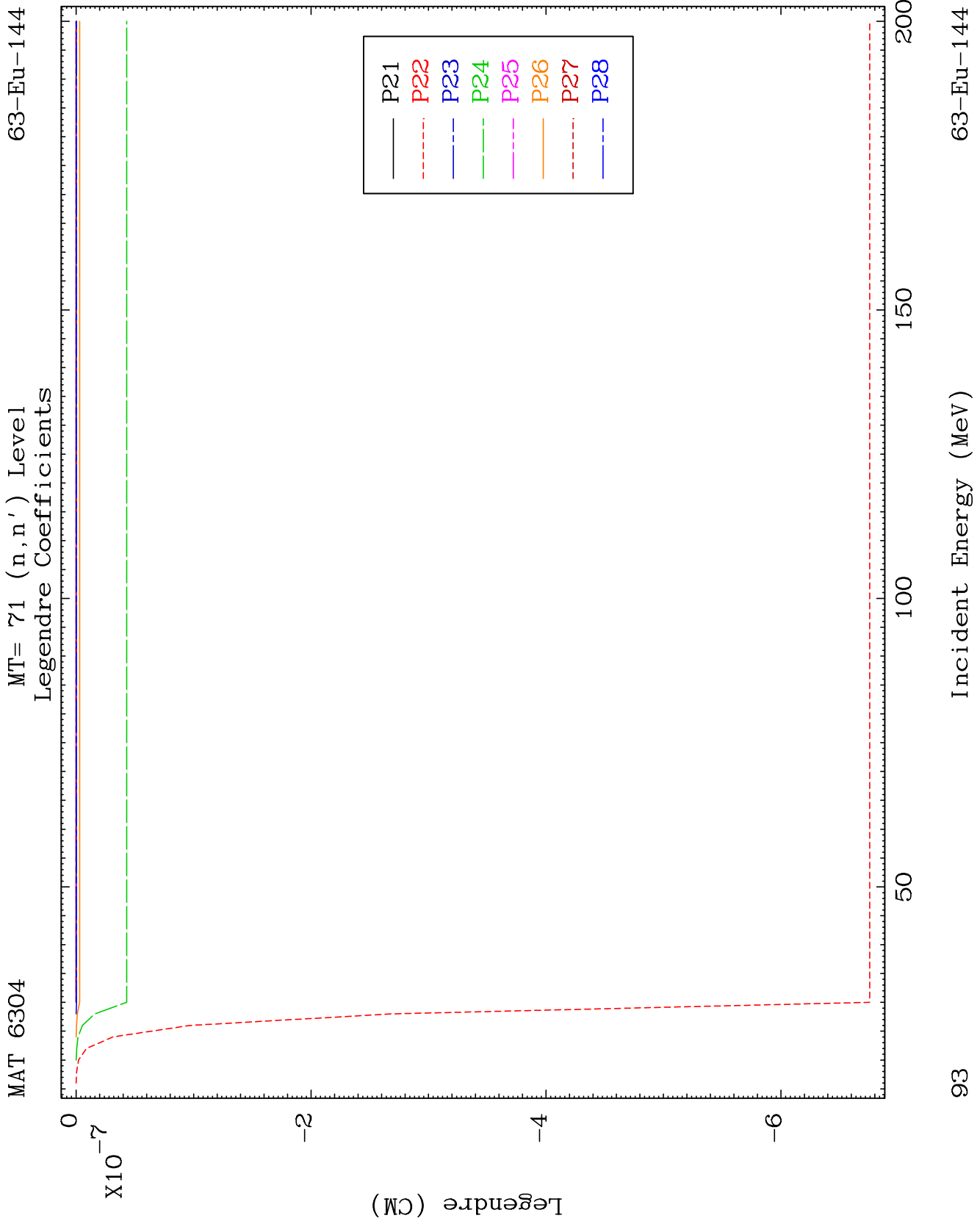
63-Eu-144



92

Incident Energy (MeV)

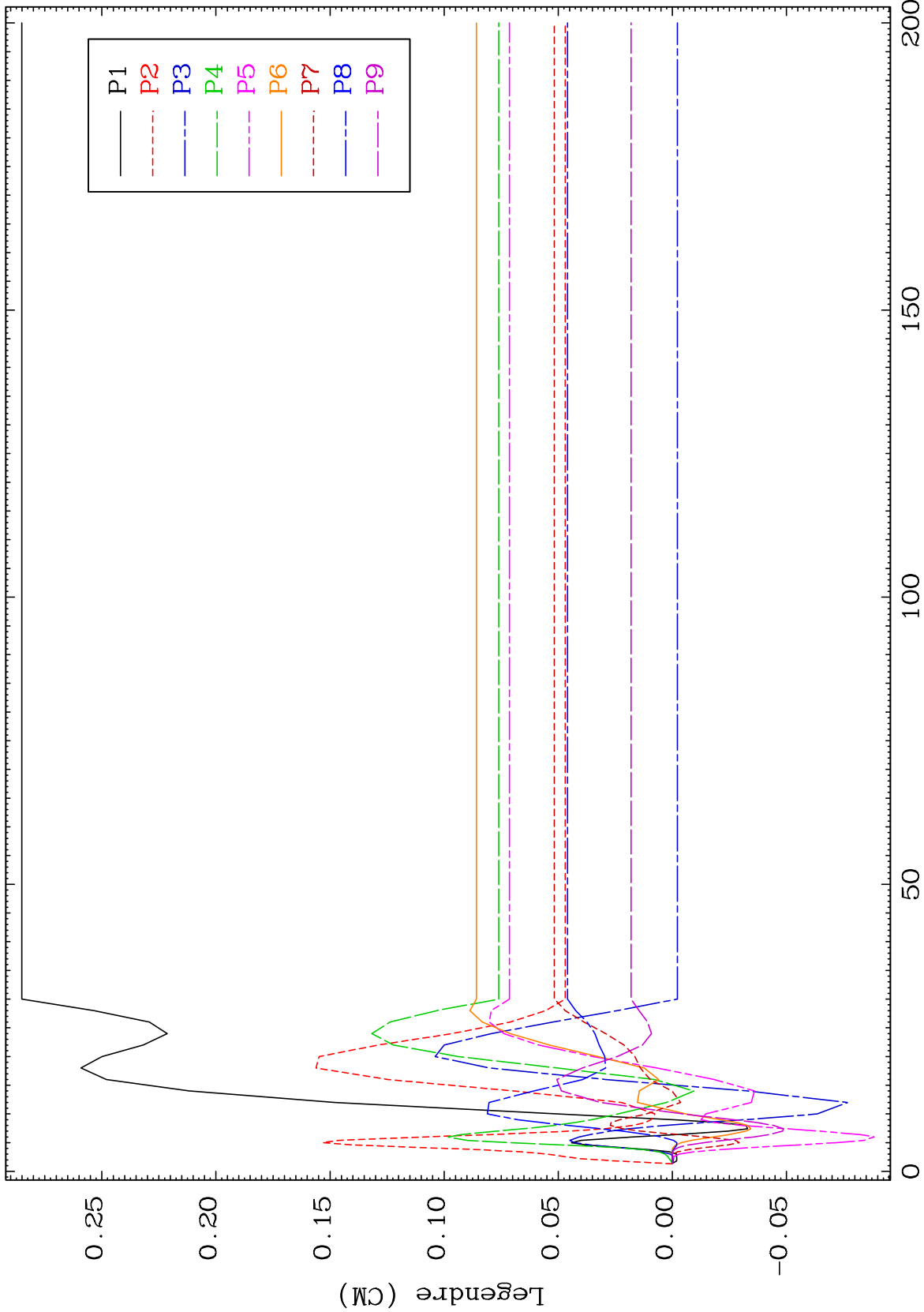
63-Eu-144



MAT 6304

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

63-Eu-144



94

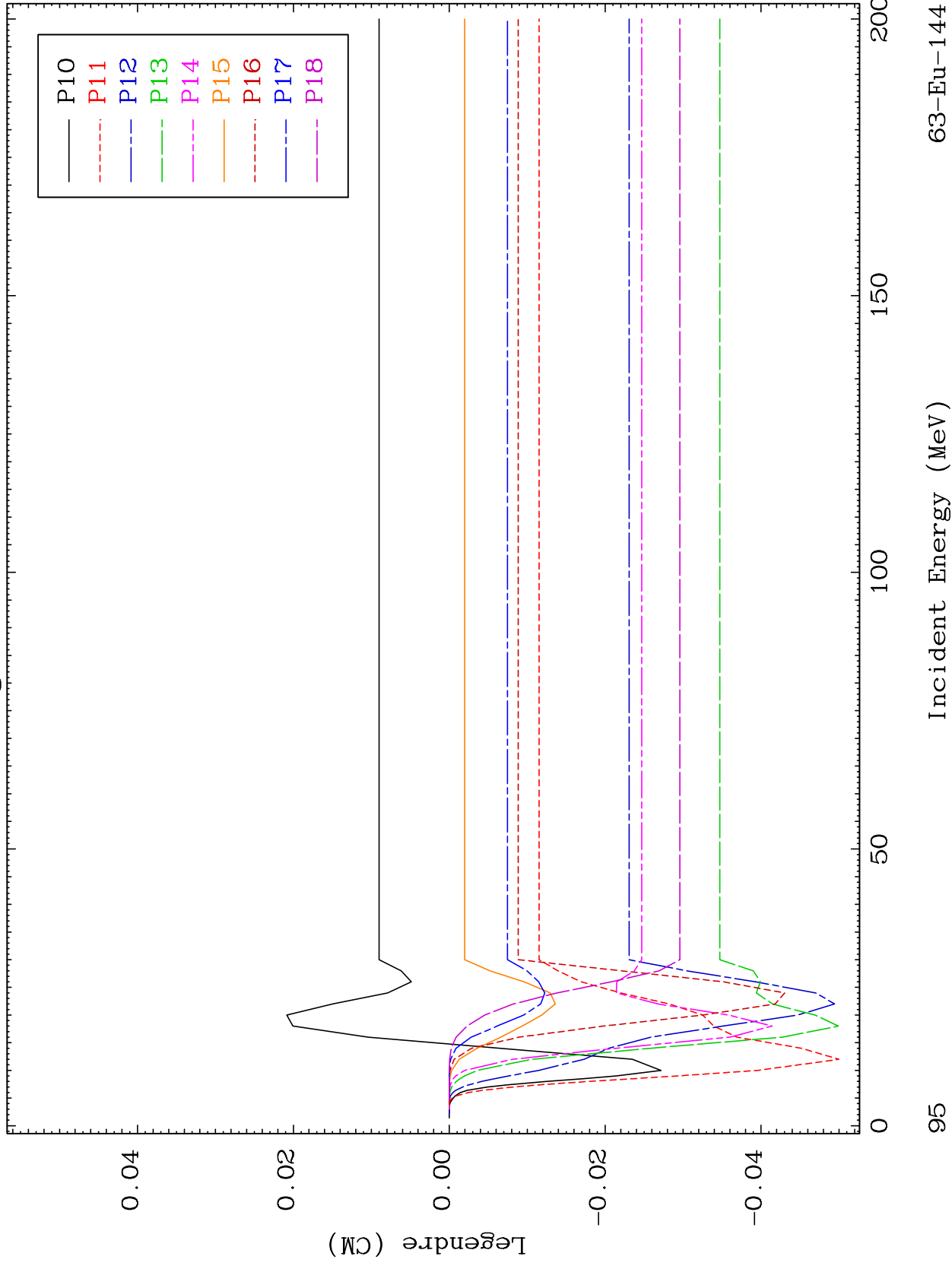
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

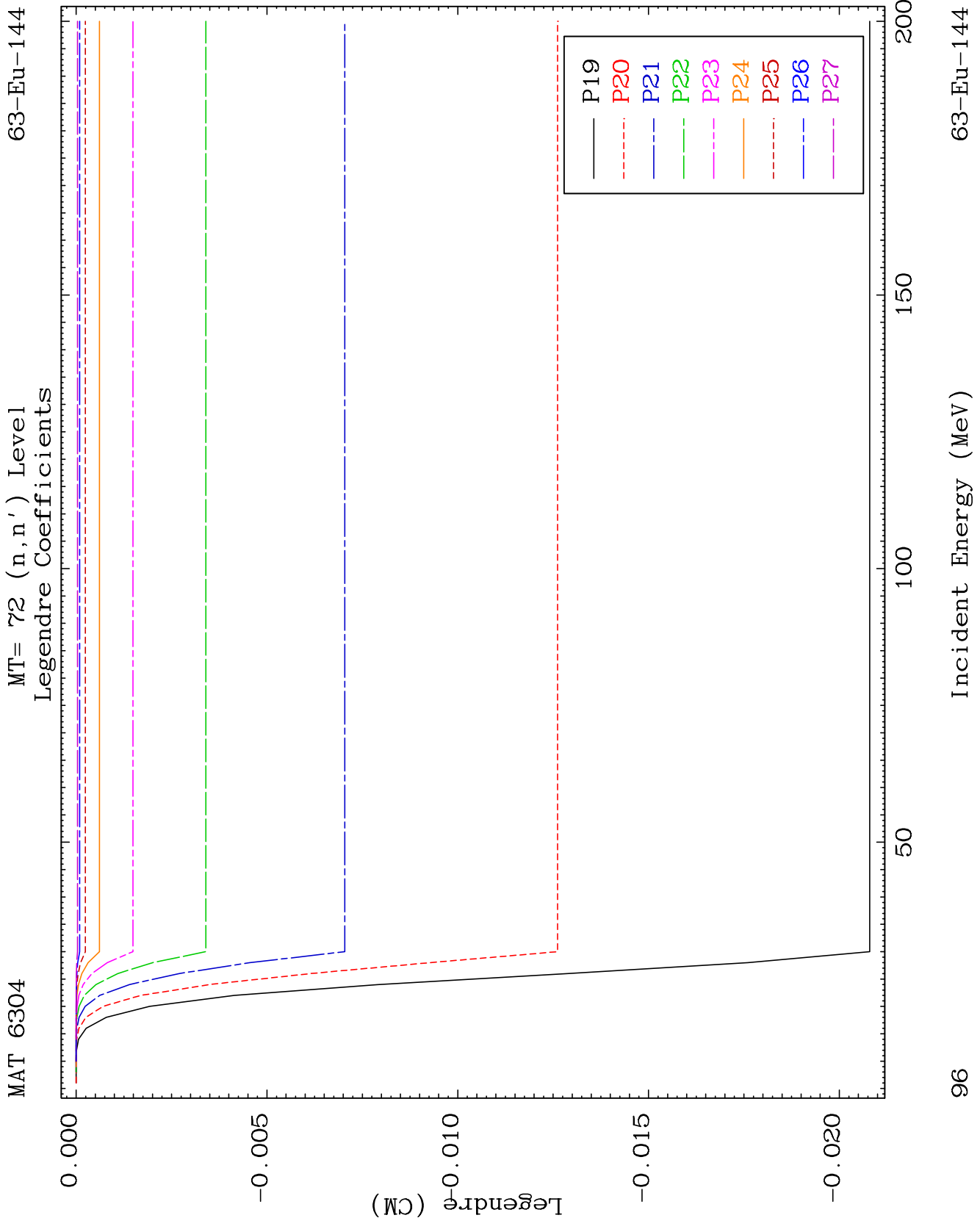
63-Eu-144

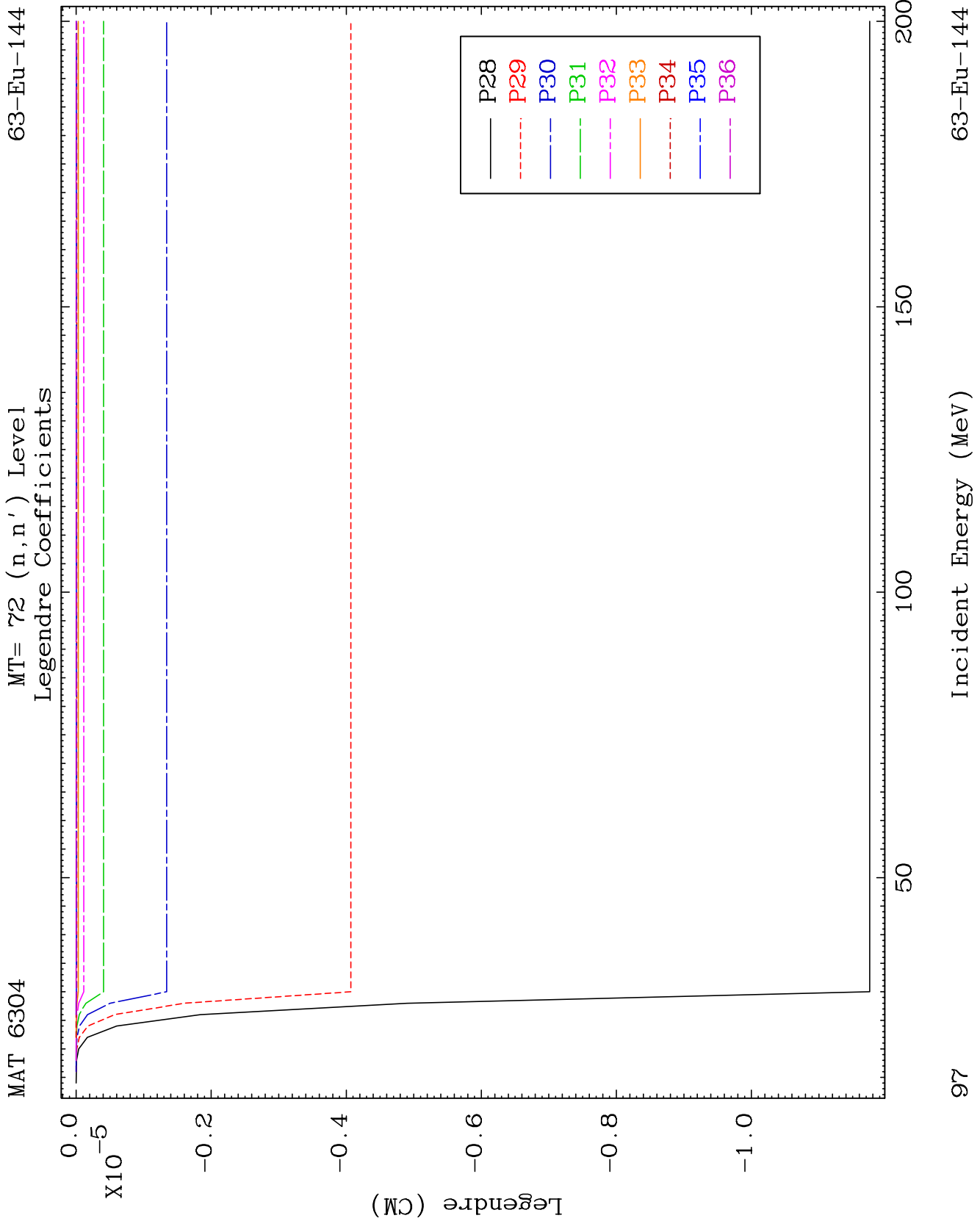


63-Eu-144

Incident Energy (MeV)

95

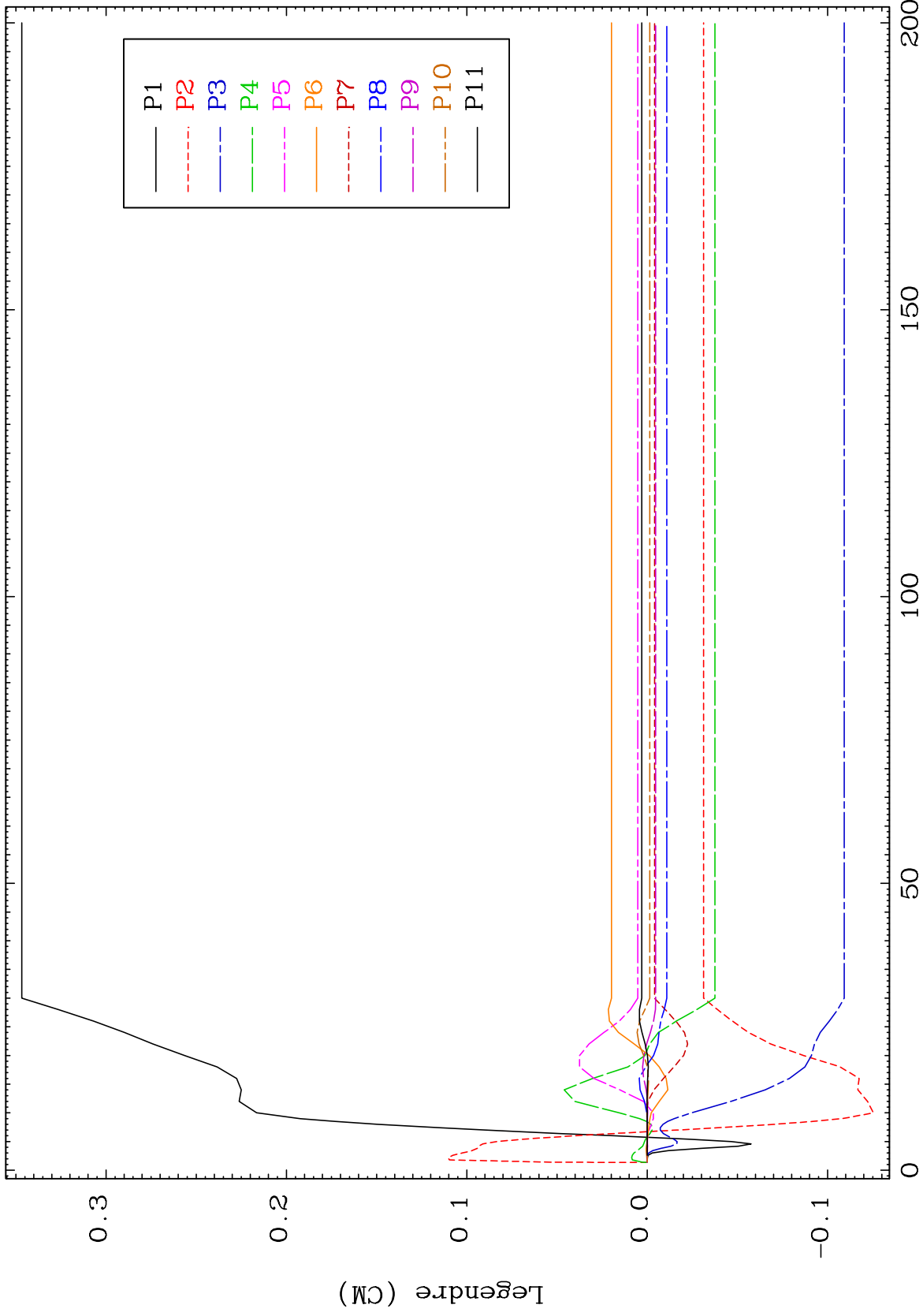




MAT 6304

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

63-Eu-144



98

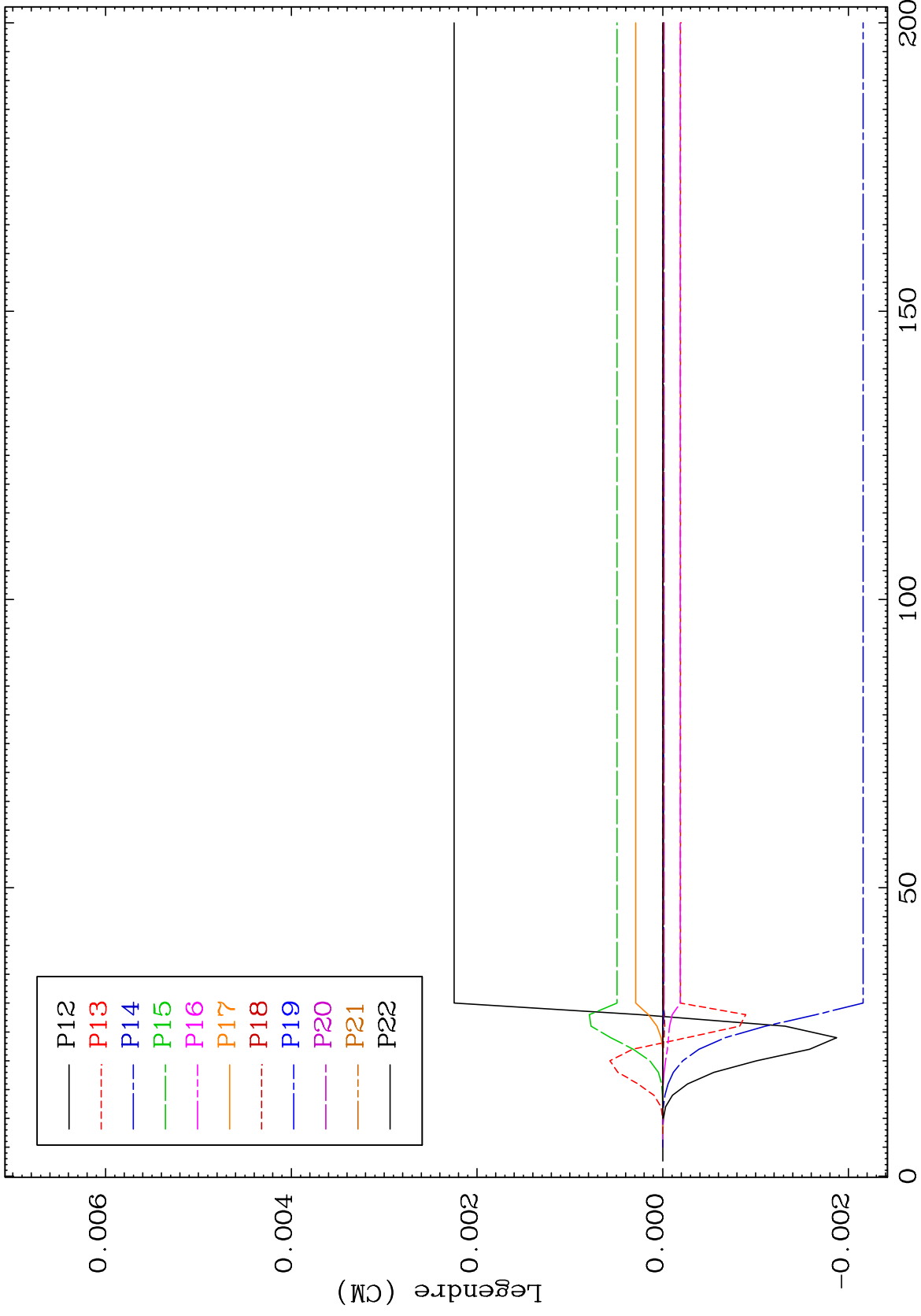
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



99

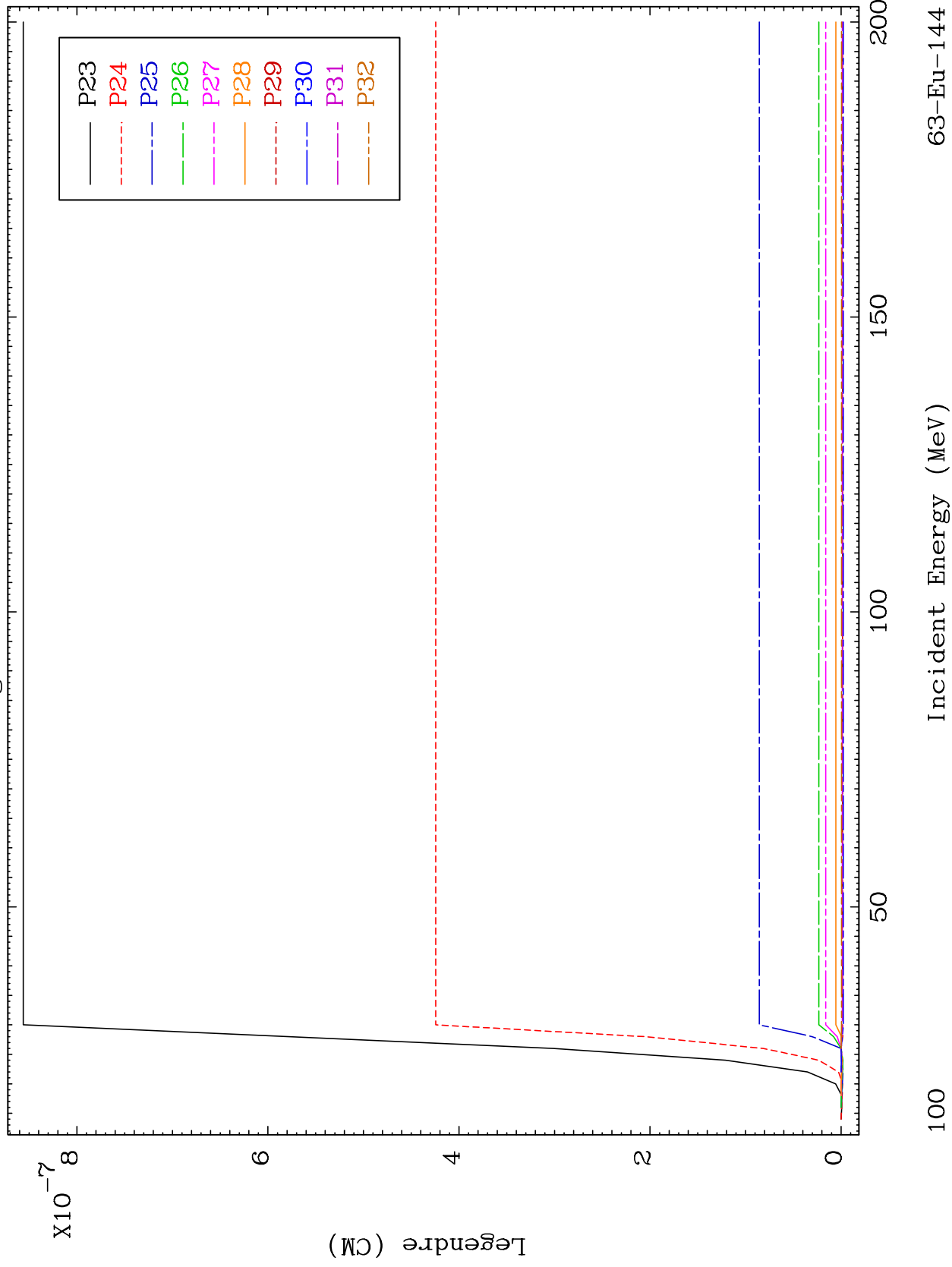
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

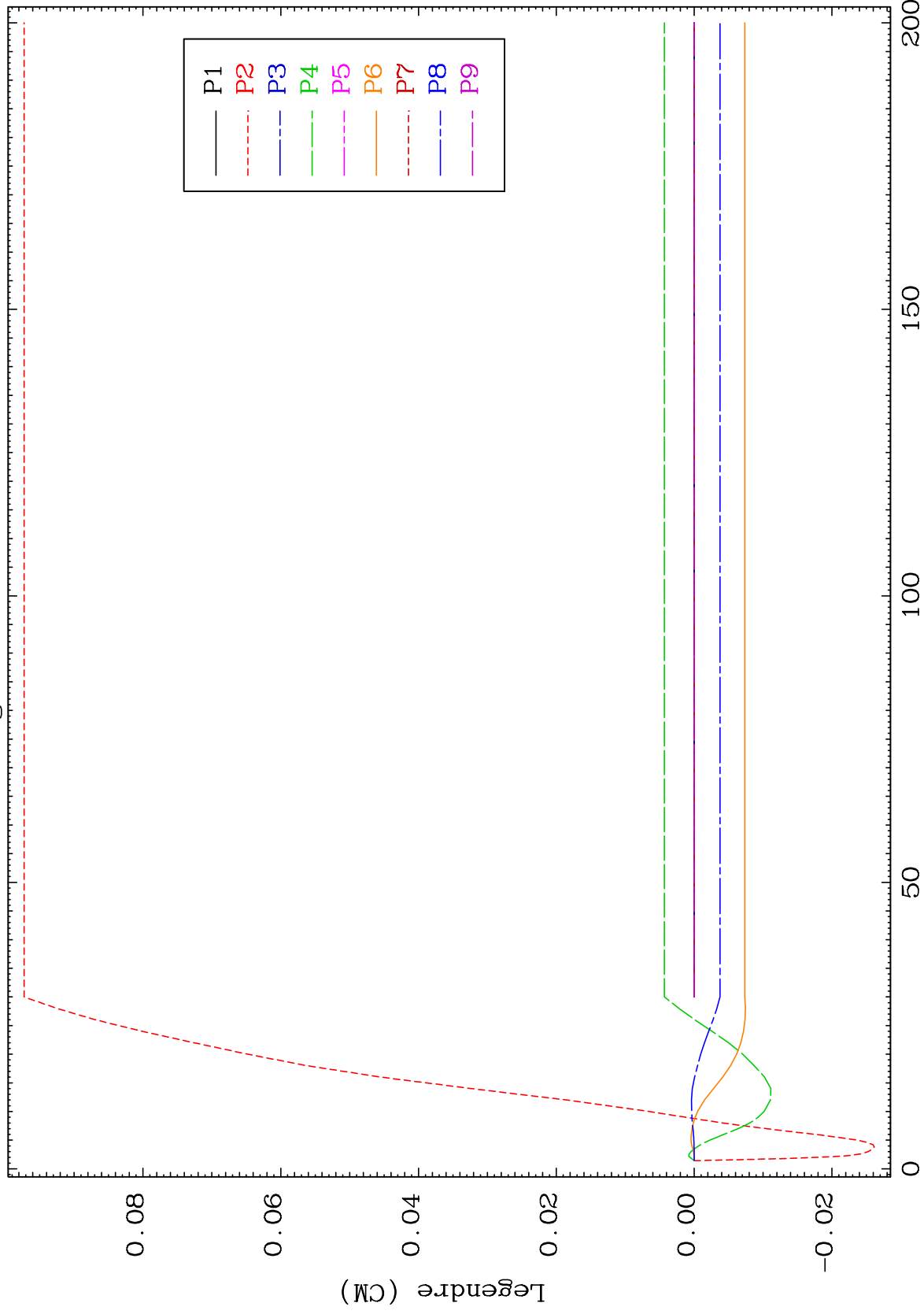
63-Eu-144



MAT 6304

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

63-Eu-144



101

Incident Energy (MeV)

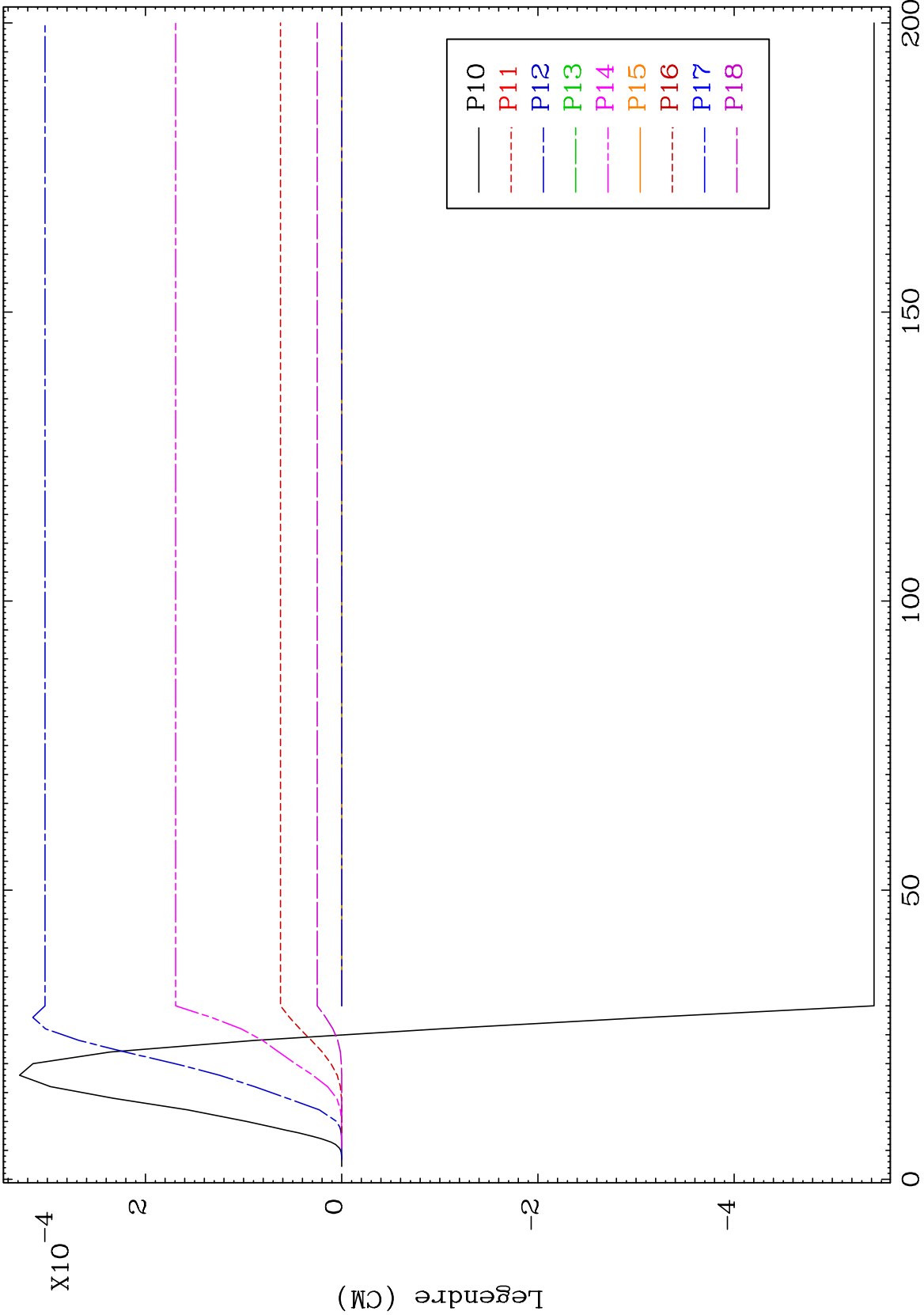
63-Eu-144

MAT 6304

MT= 74 (n,n') Level

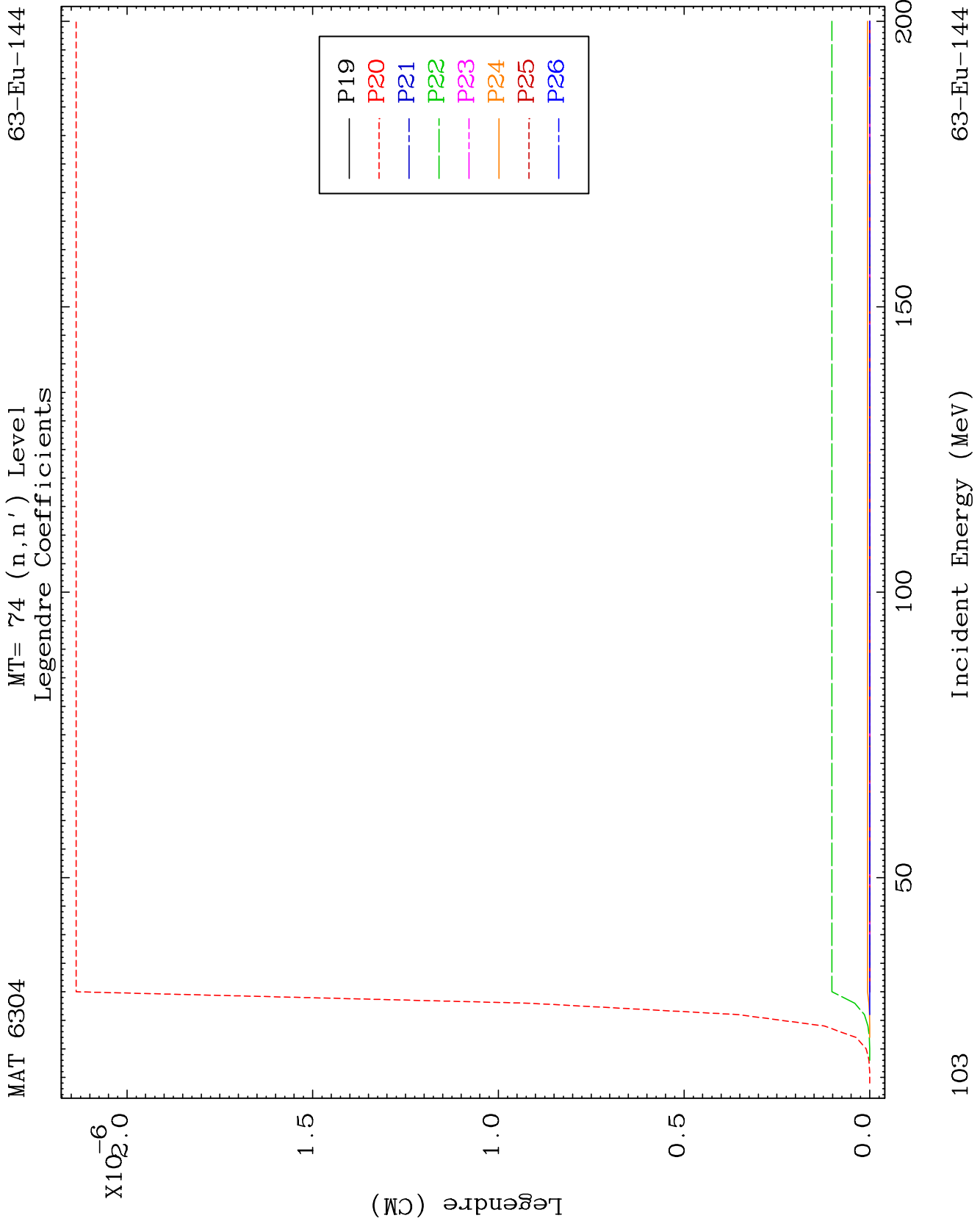
63-Eu-144

Legendre Coefficients



102

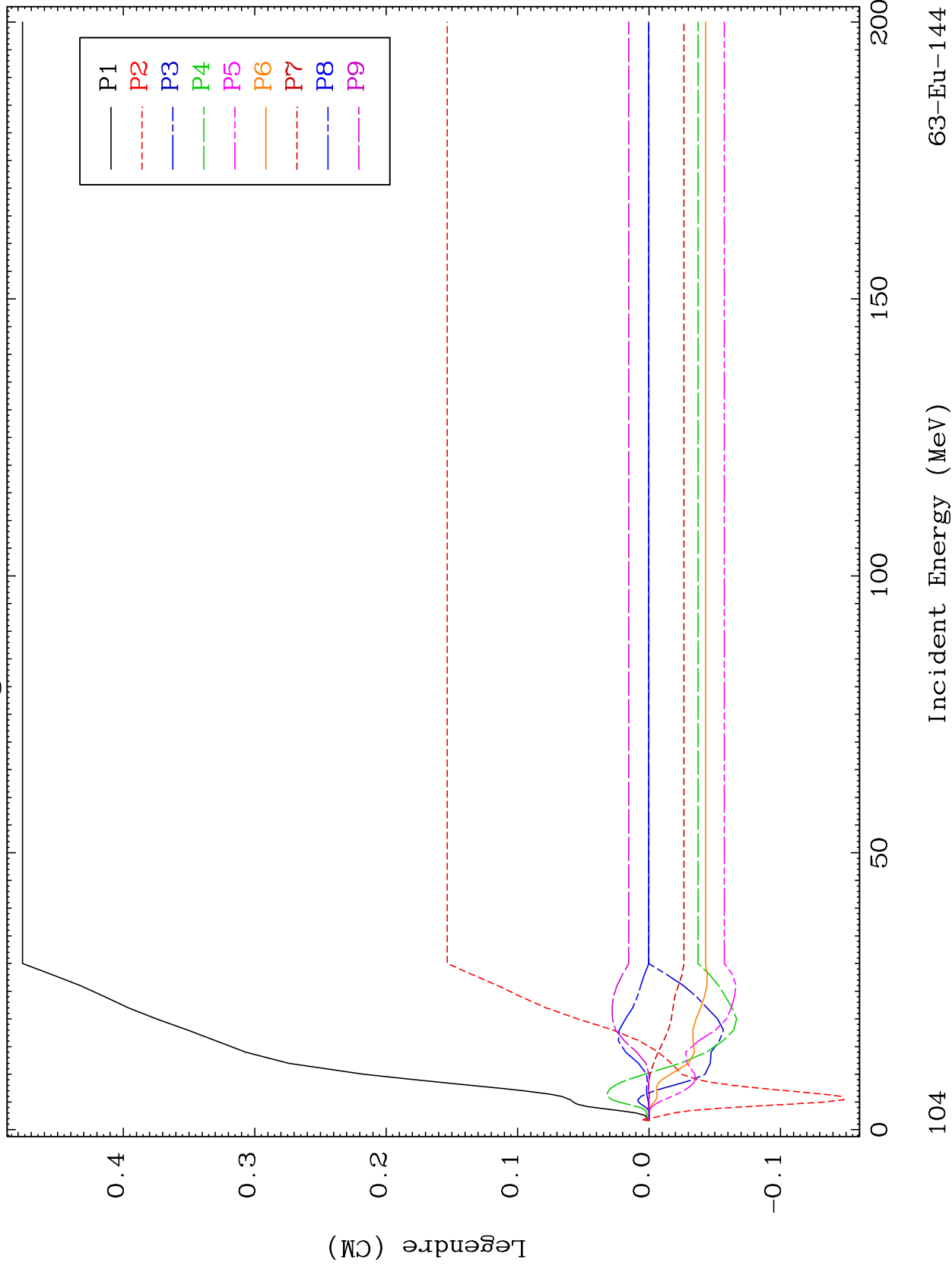
63-Eu-144



MAT 6304

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

63-Eu-144



63-Eu-144

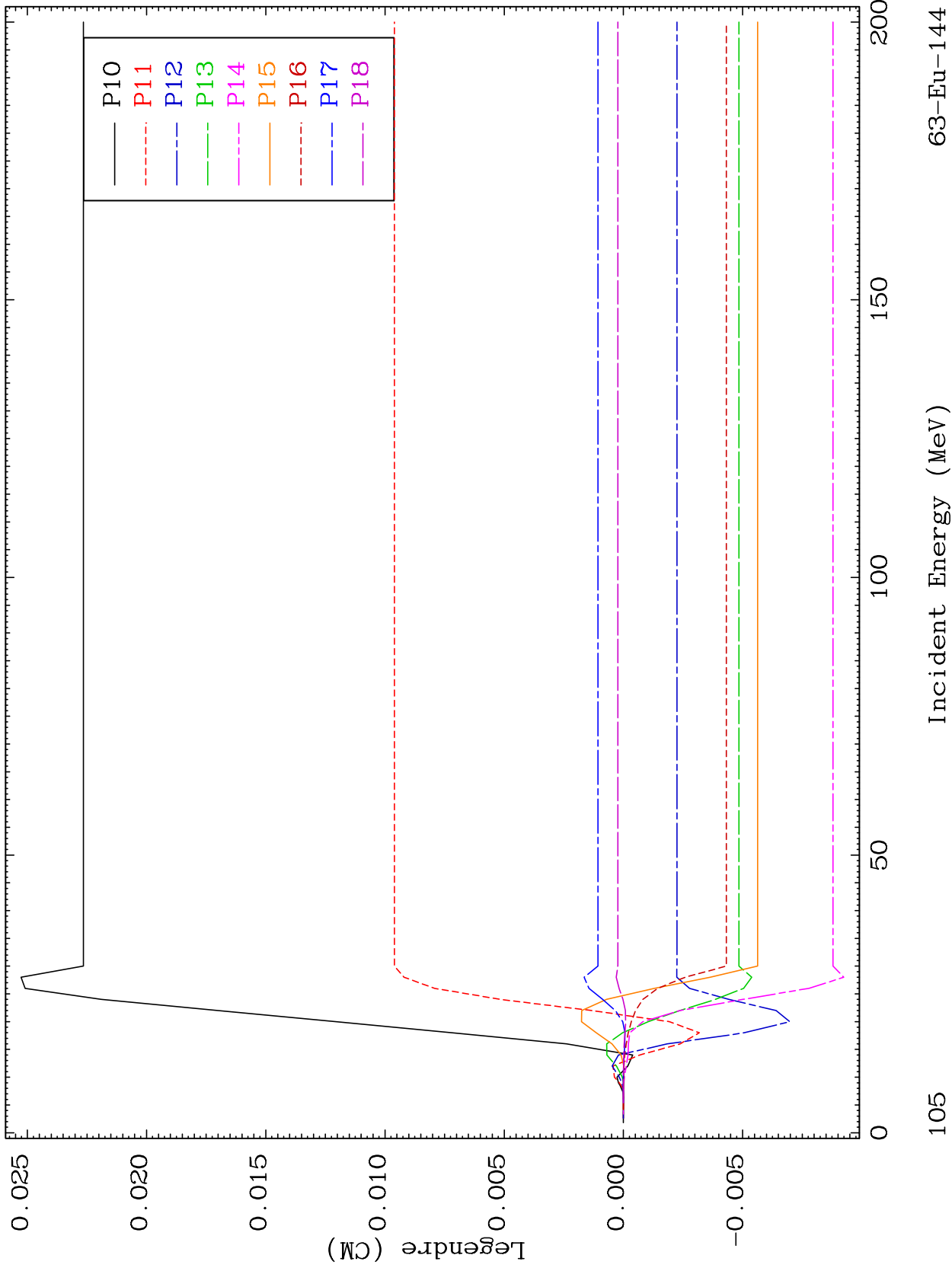
Incident Energy (MeV)

104

MAT 6304

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

63-Eu-144



63-Eu-144

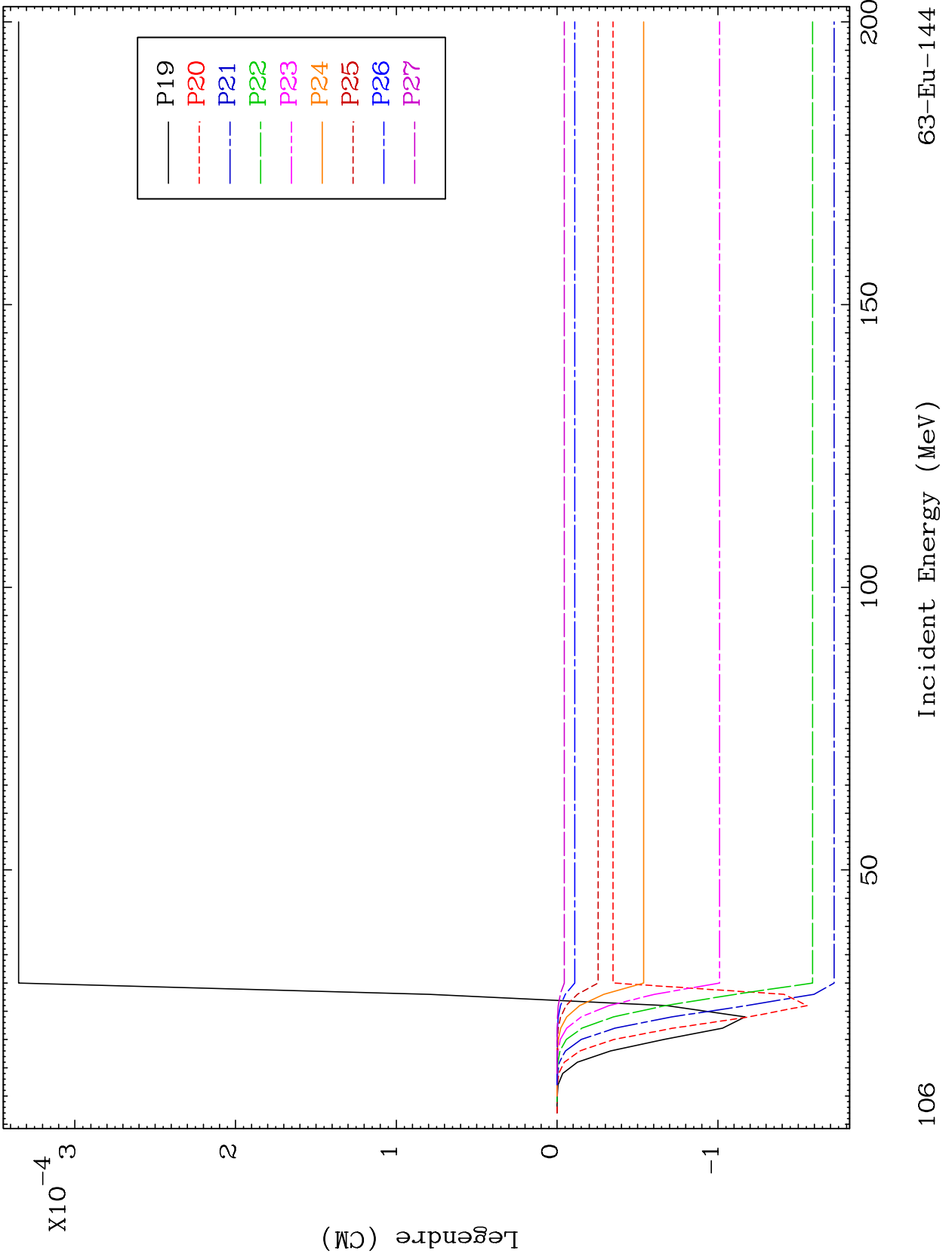
Incident Energy (MeV)

105

MAT 6304

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

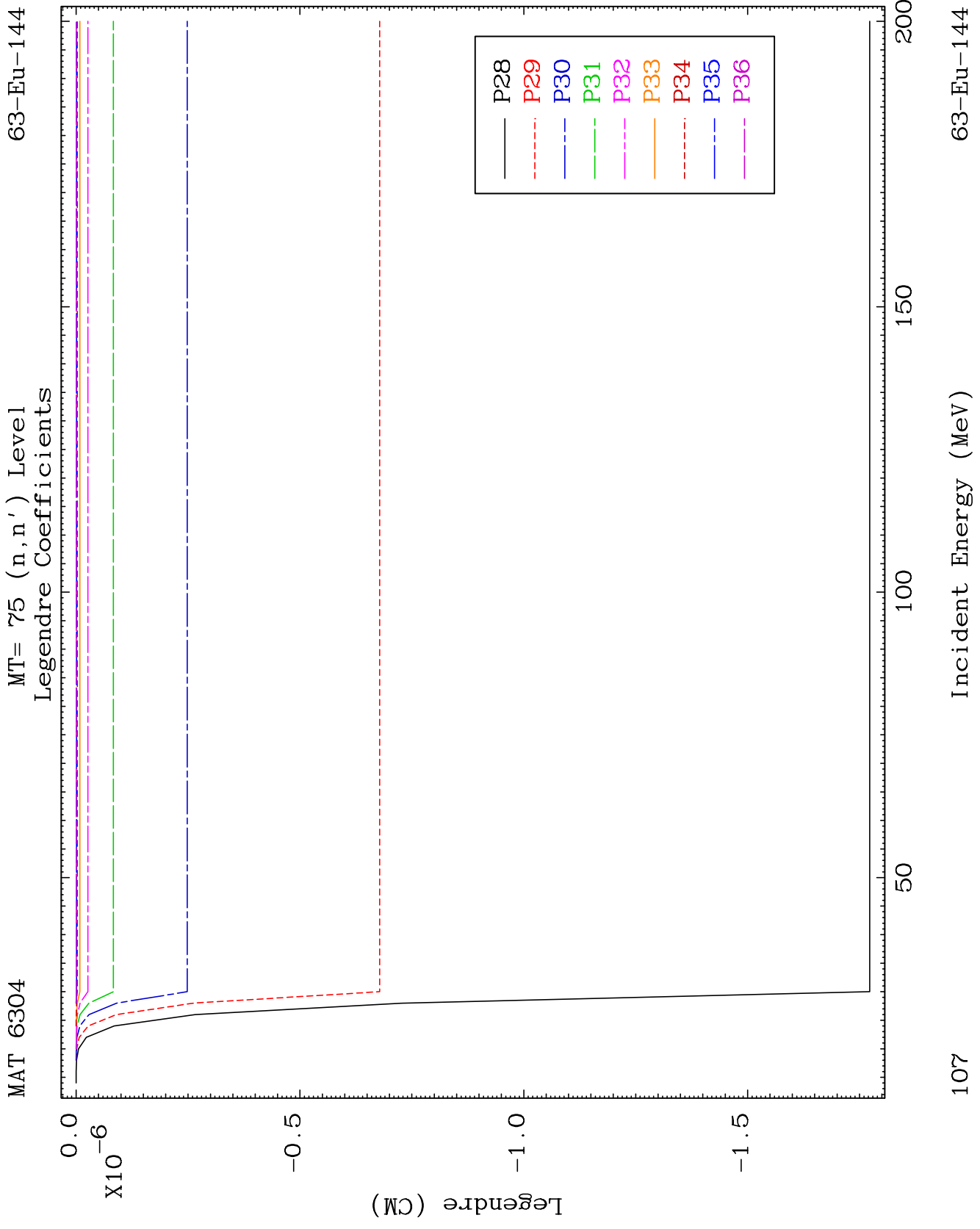
63-Eu-144



106

Incident Energy (MeV)

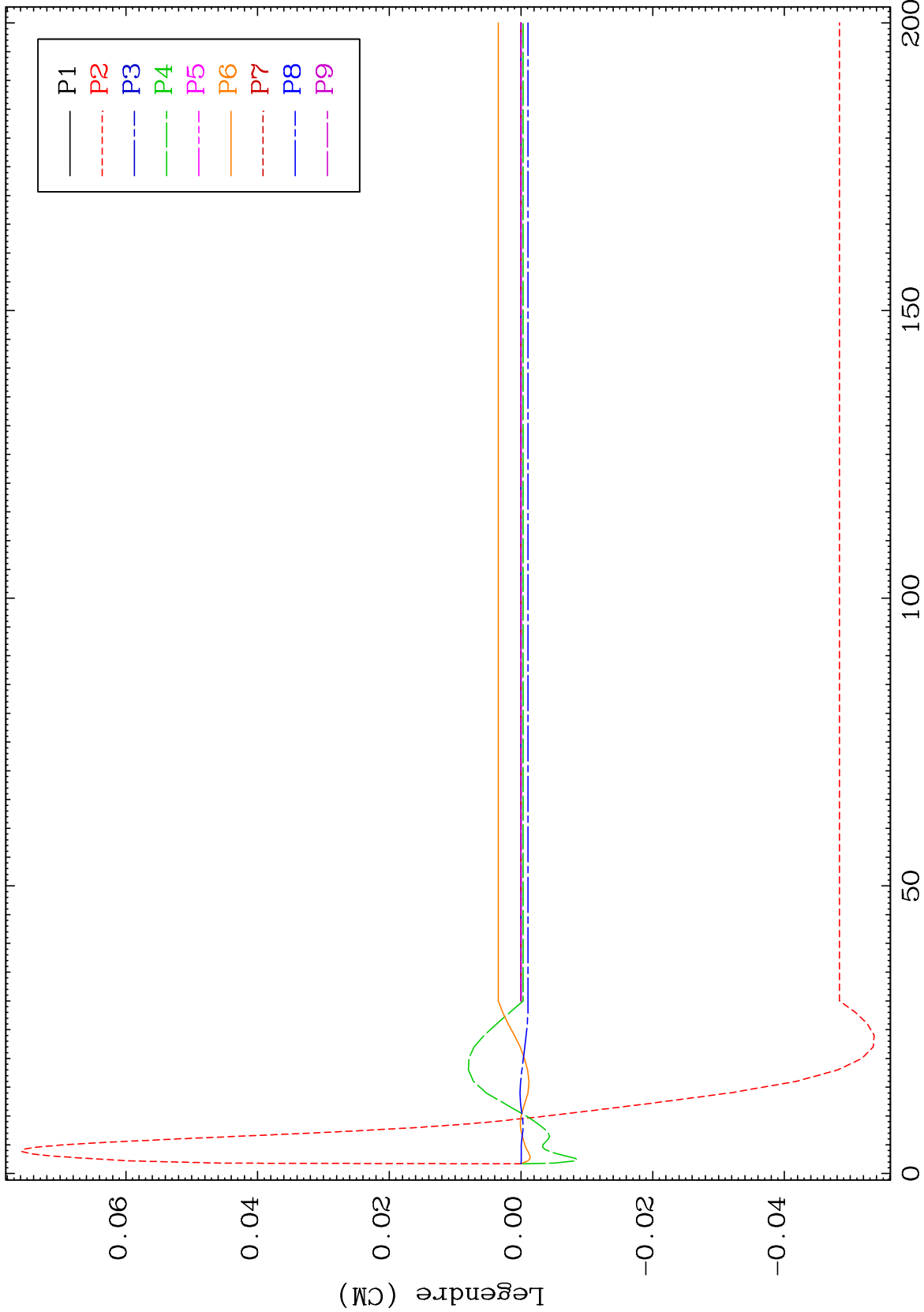
63-Eu-144



MAT 6304

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

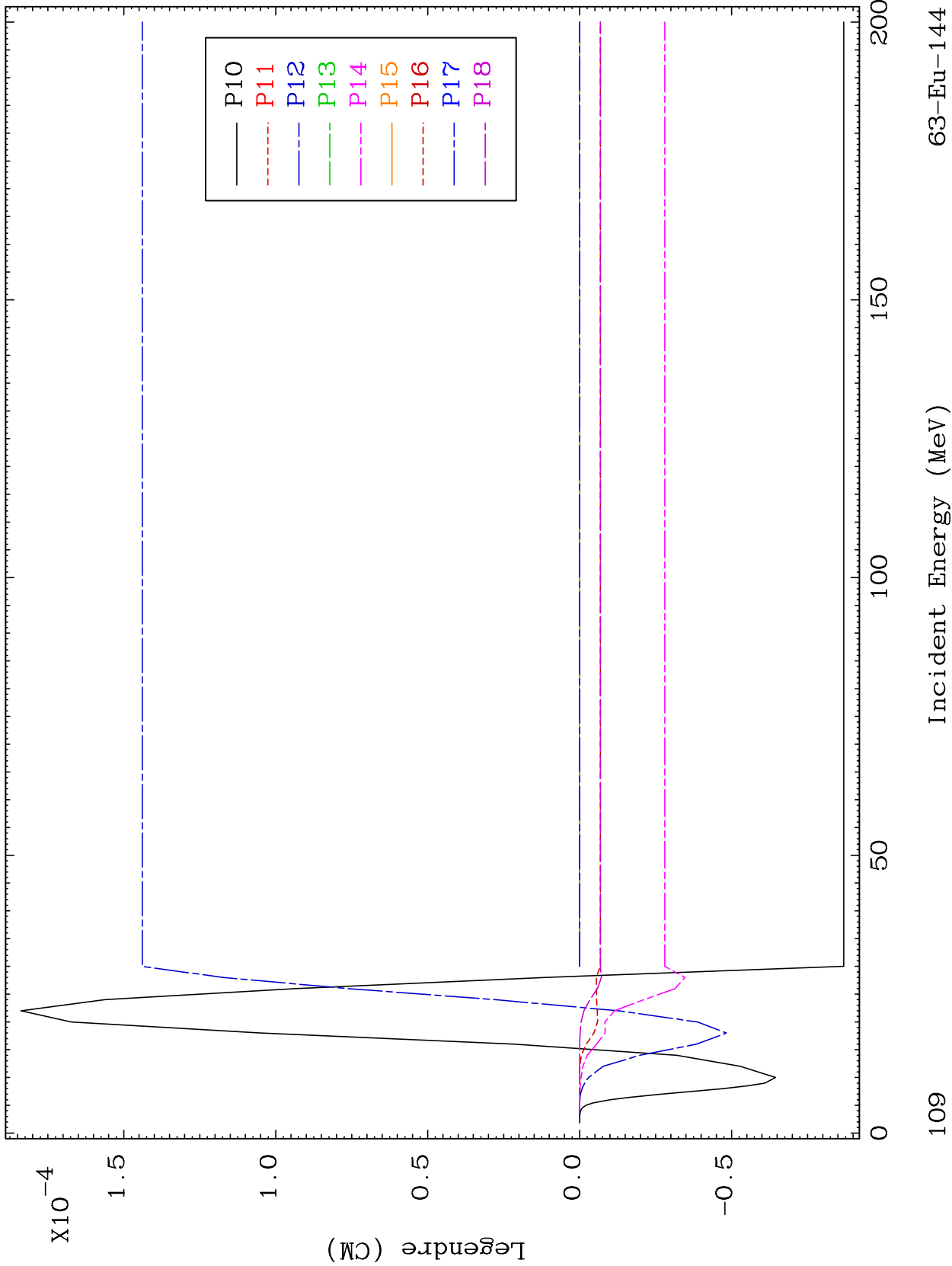
63-Eu-144

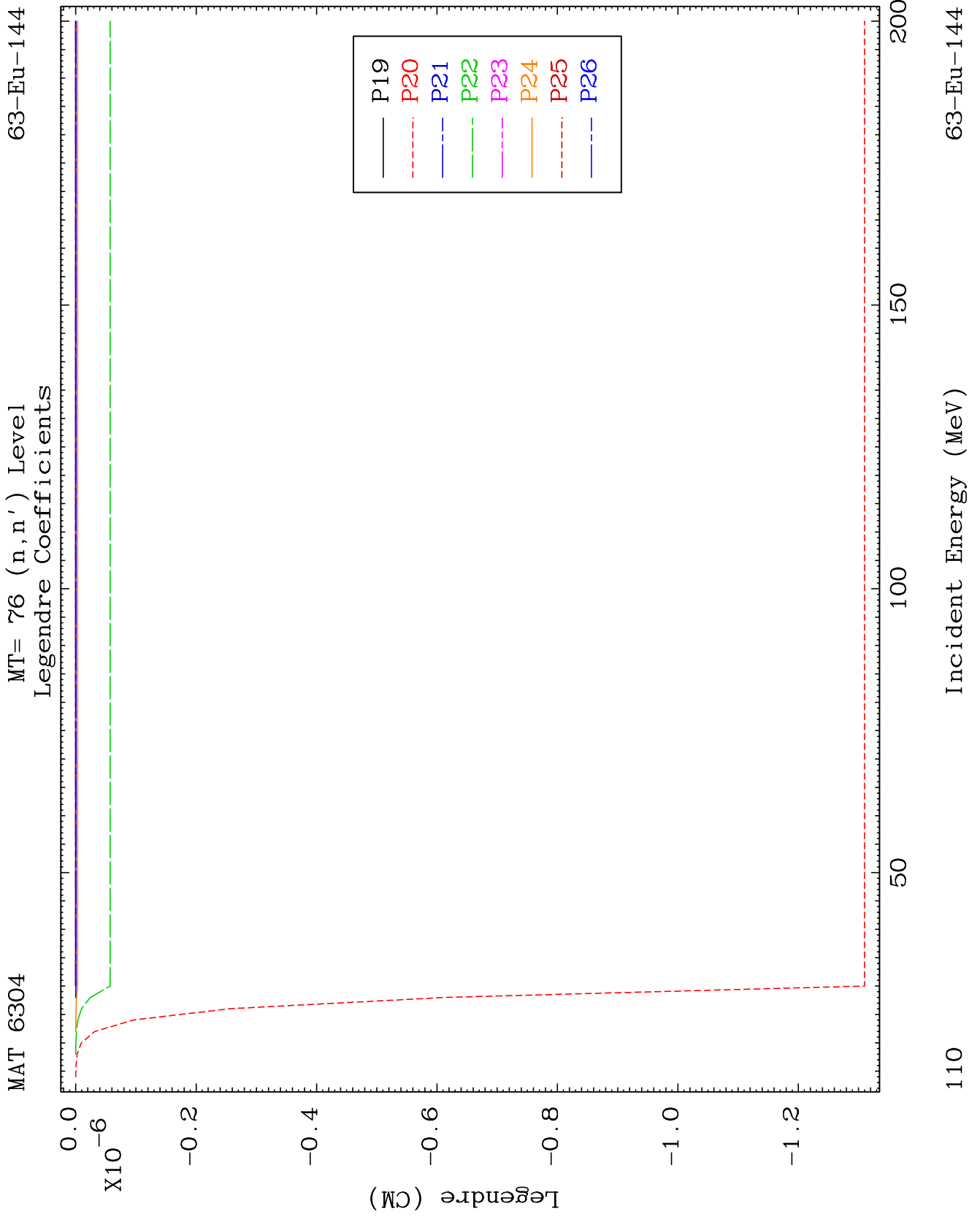


108

Incident Energy (MeV)

63-Eu-144

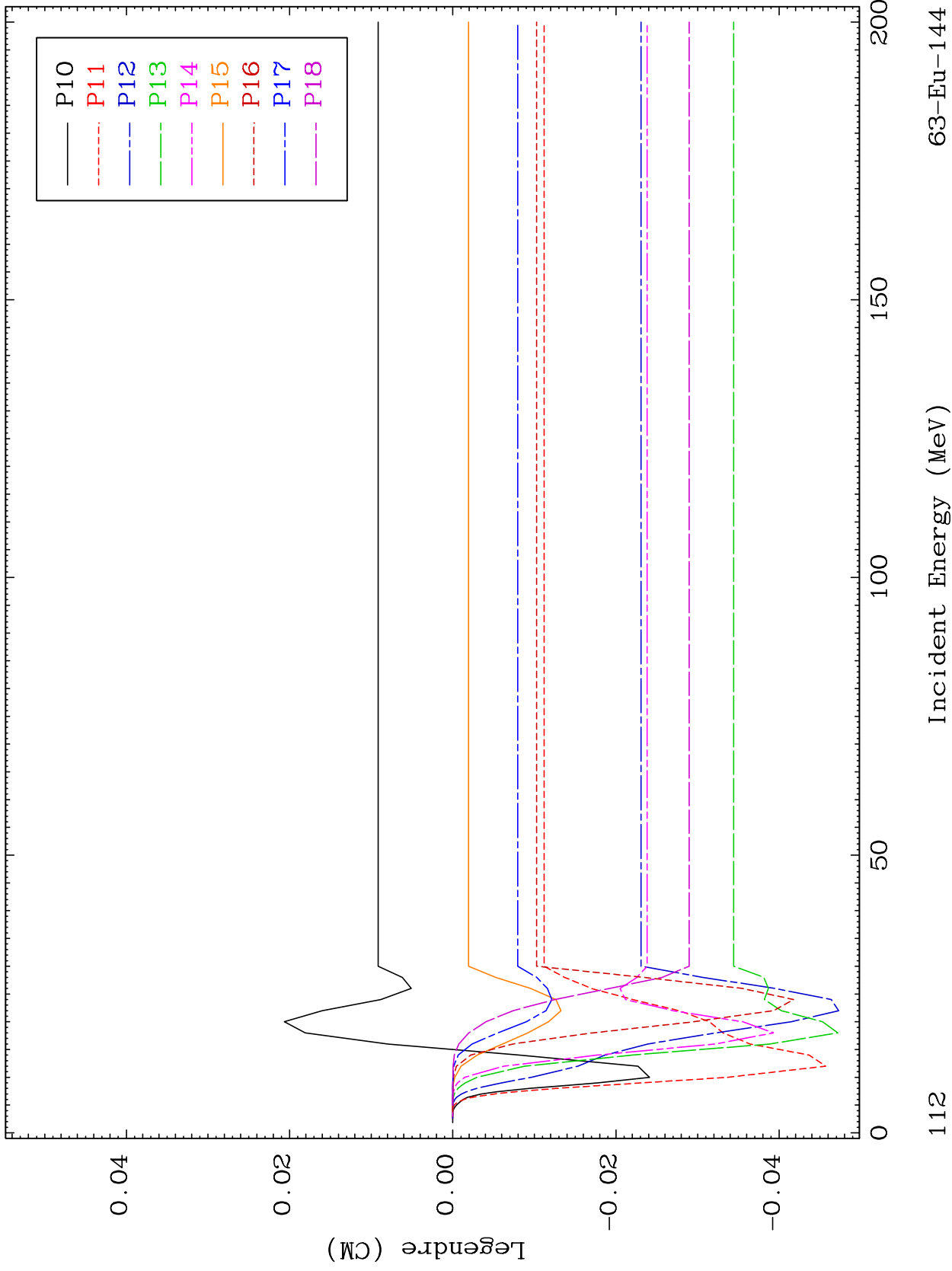




MAT 6304

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

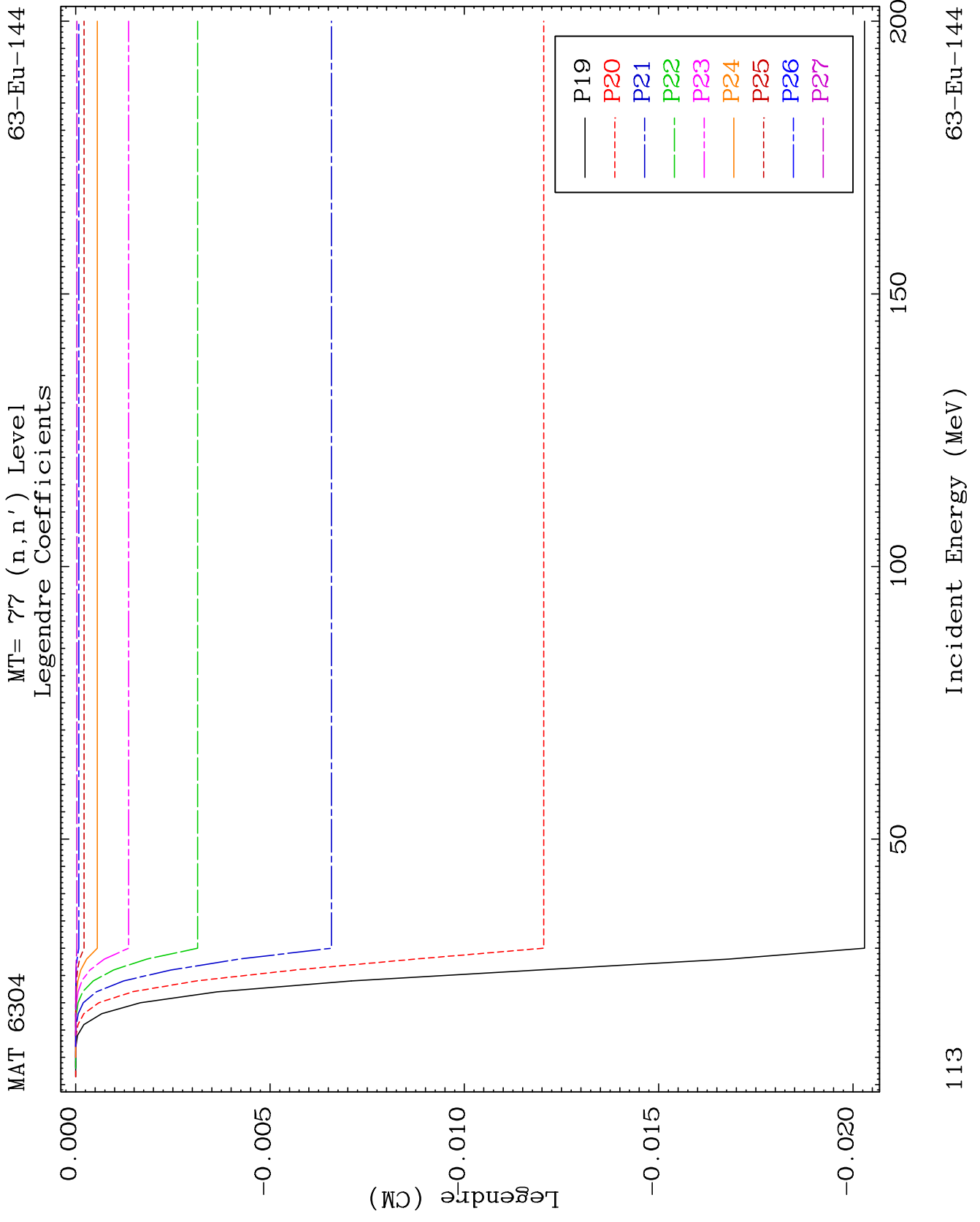
63-Eu-144

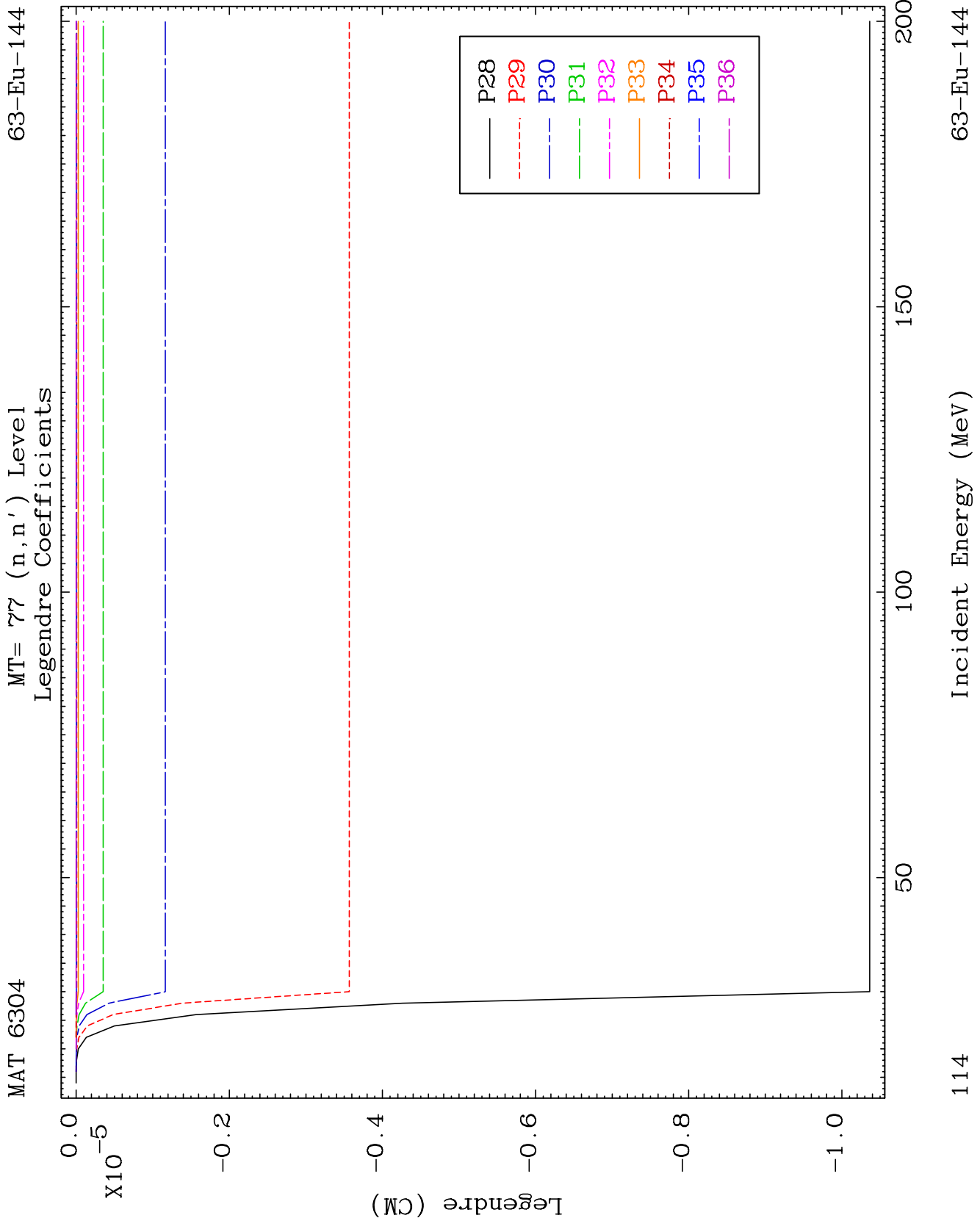


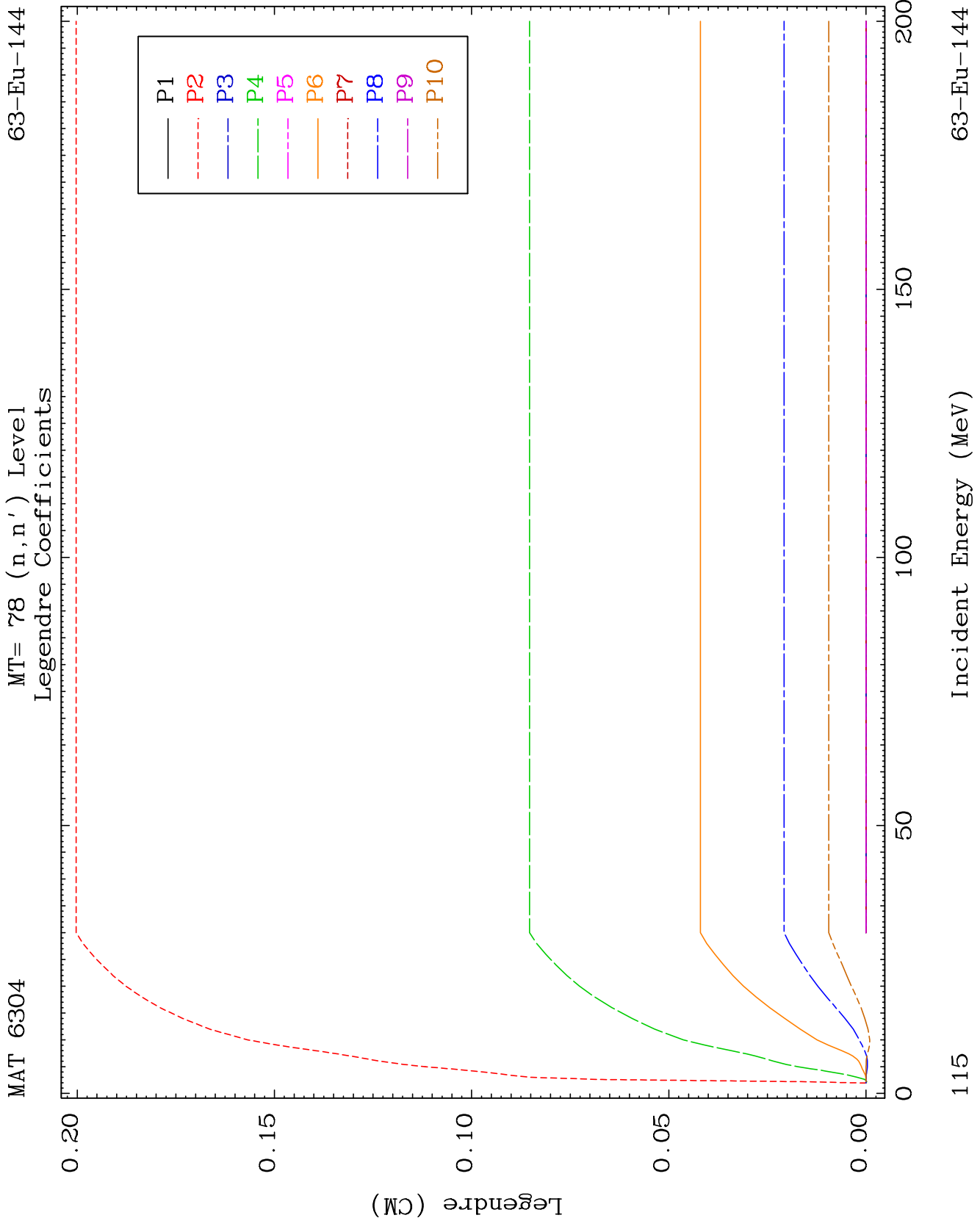
63-Eu-144

Incident Energy (MeV)

112



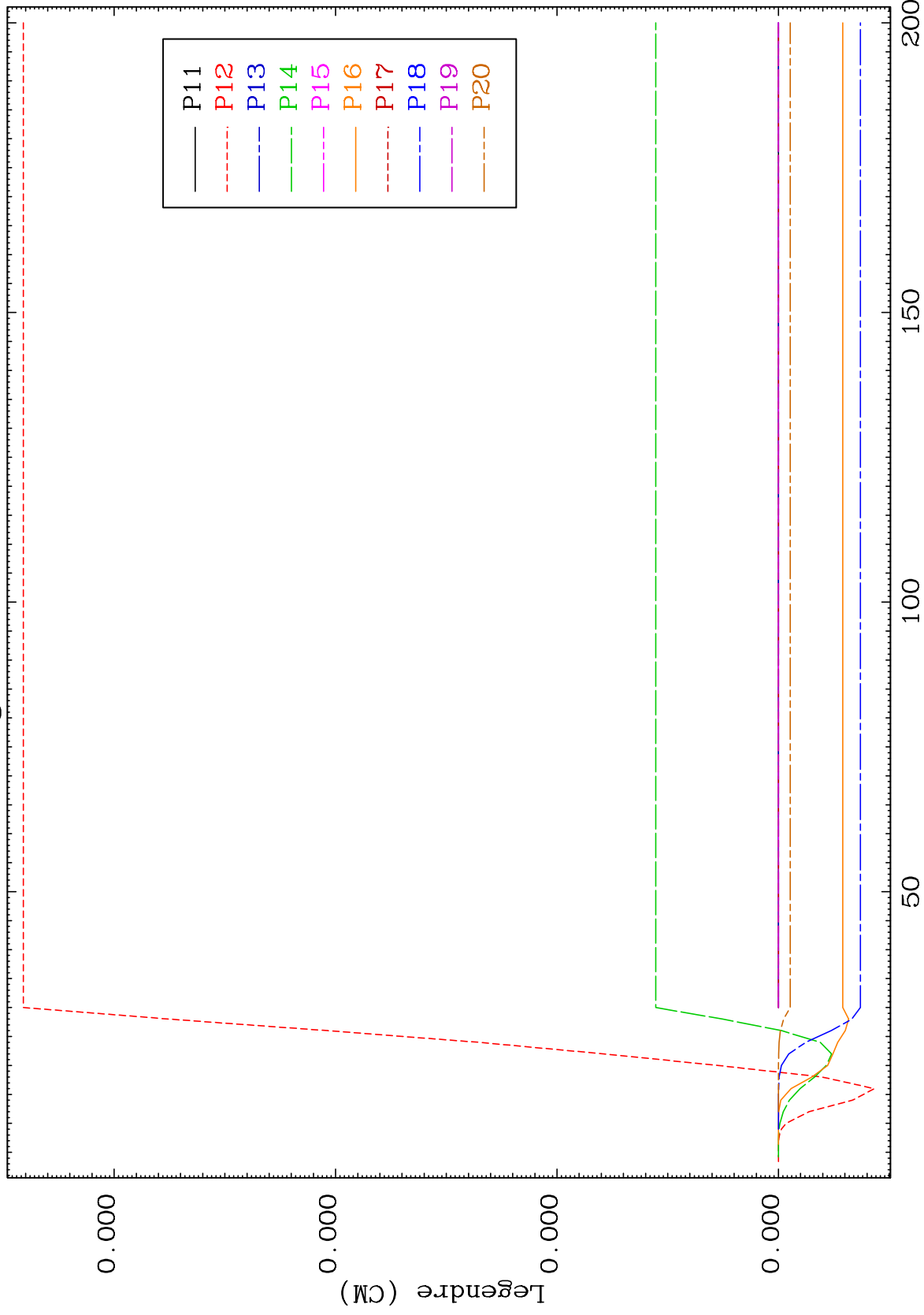




MAT 6304

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

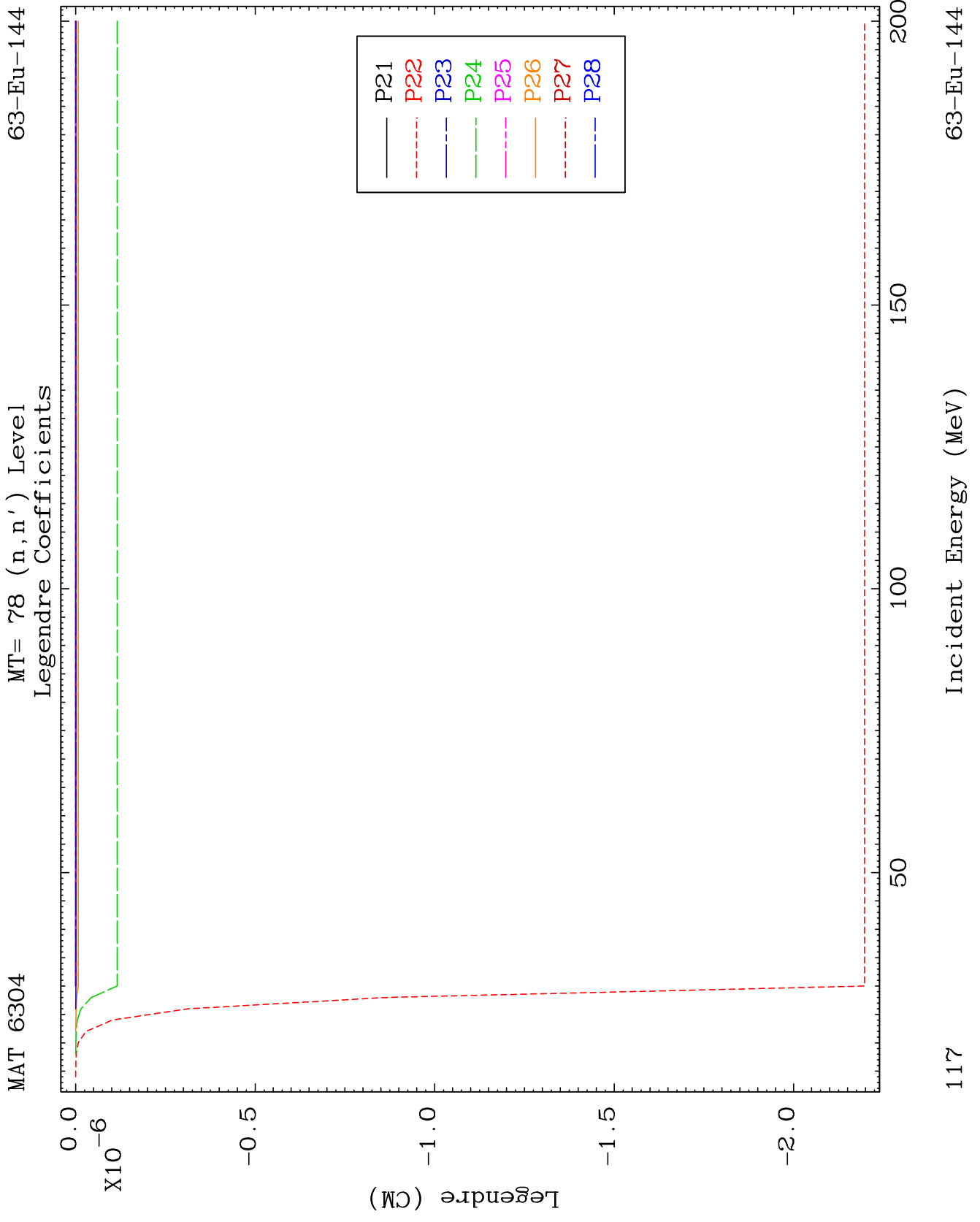
63-Eu-144

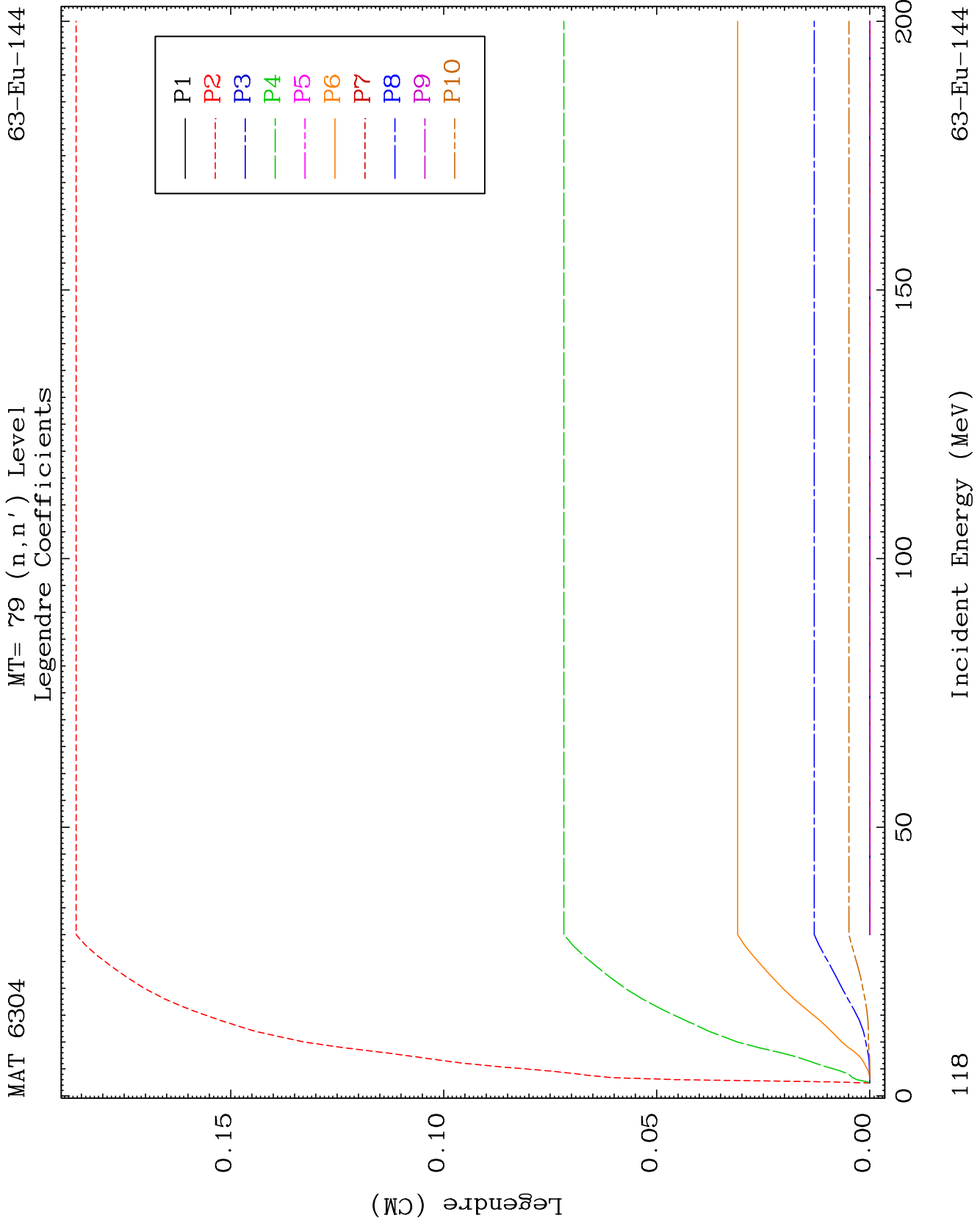


116

Incident Energy (MeV)

63-Eu-144

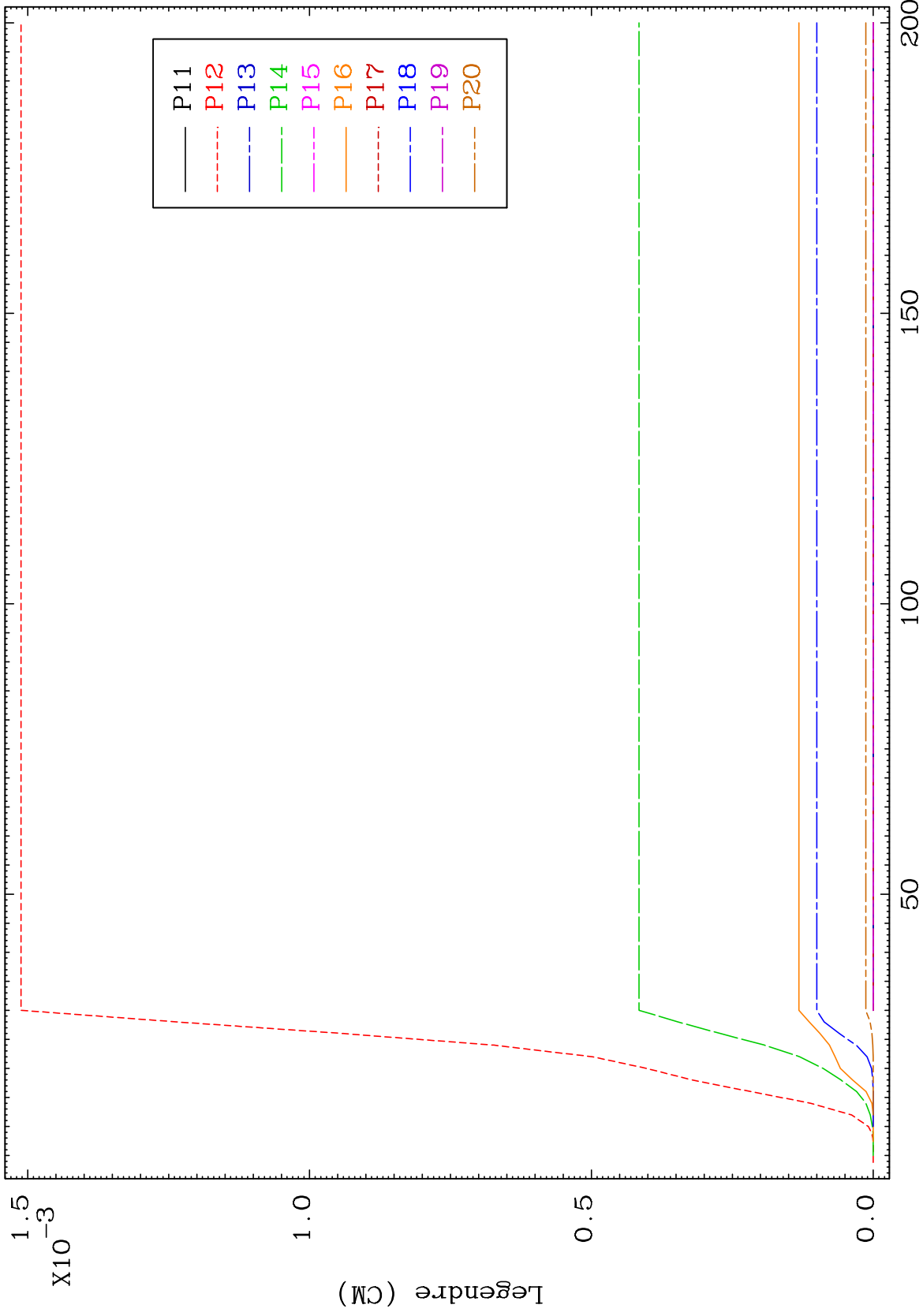




MAT 6304

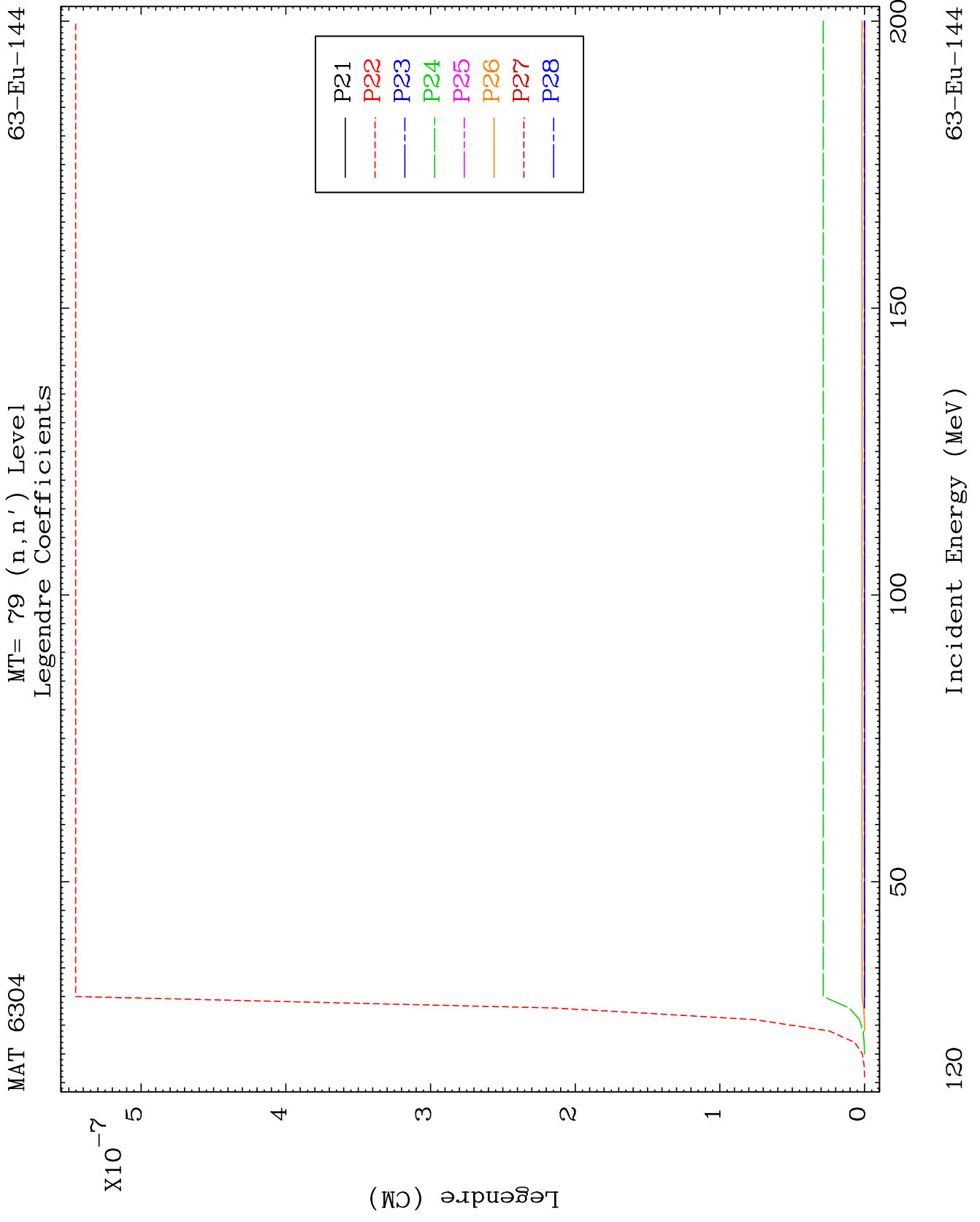
MT= 79 (n,n') Level
Legendre Coefficients

63-Eu-144



119

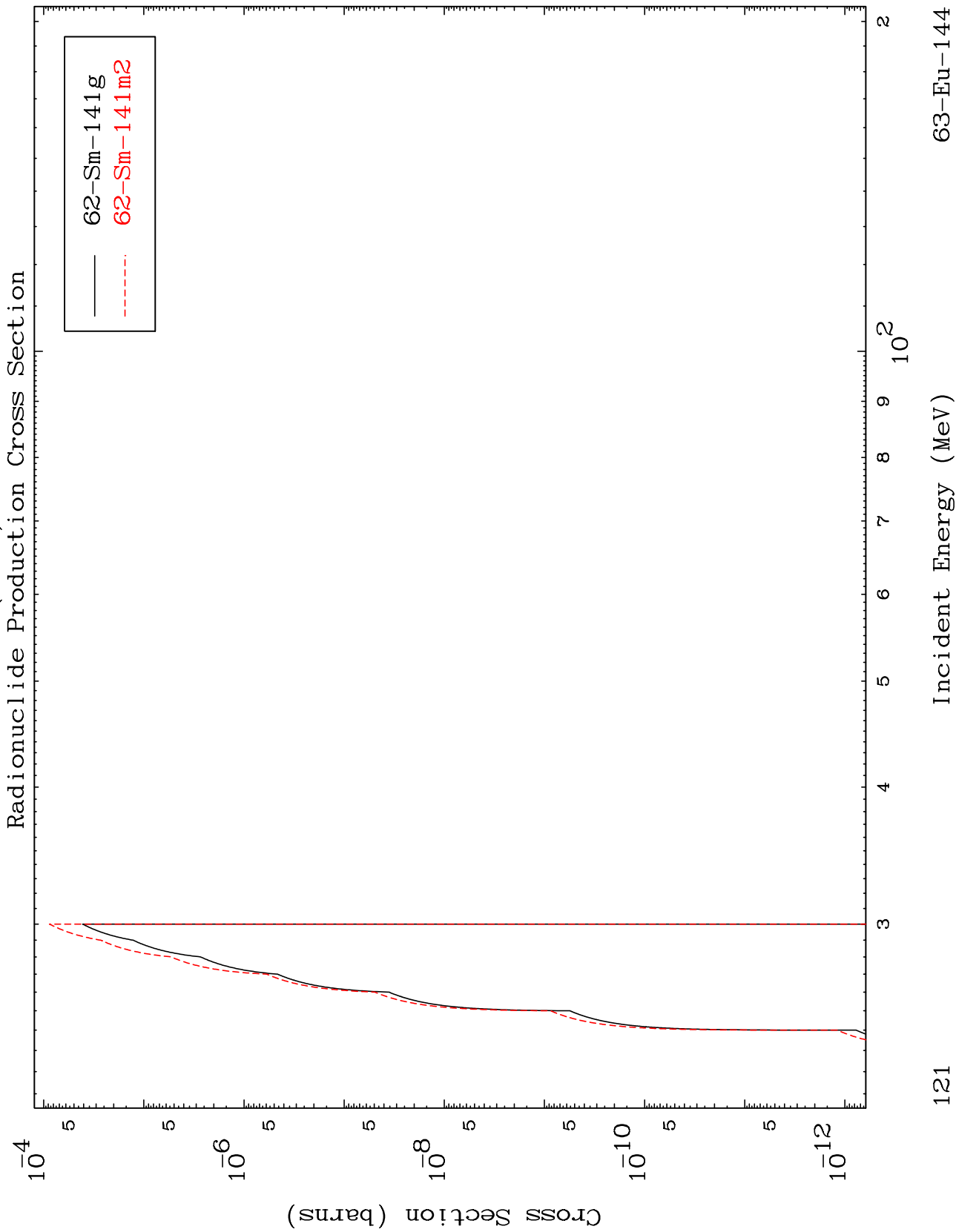
63-Eu-144



MAT 6304

(n,2n) d

63-Eu-144



121

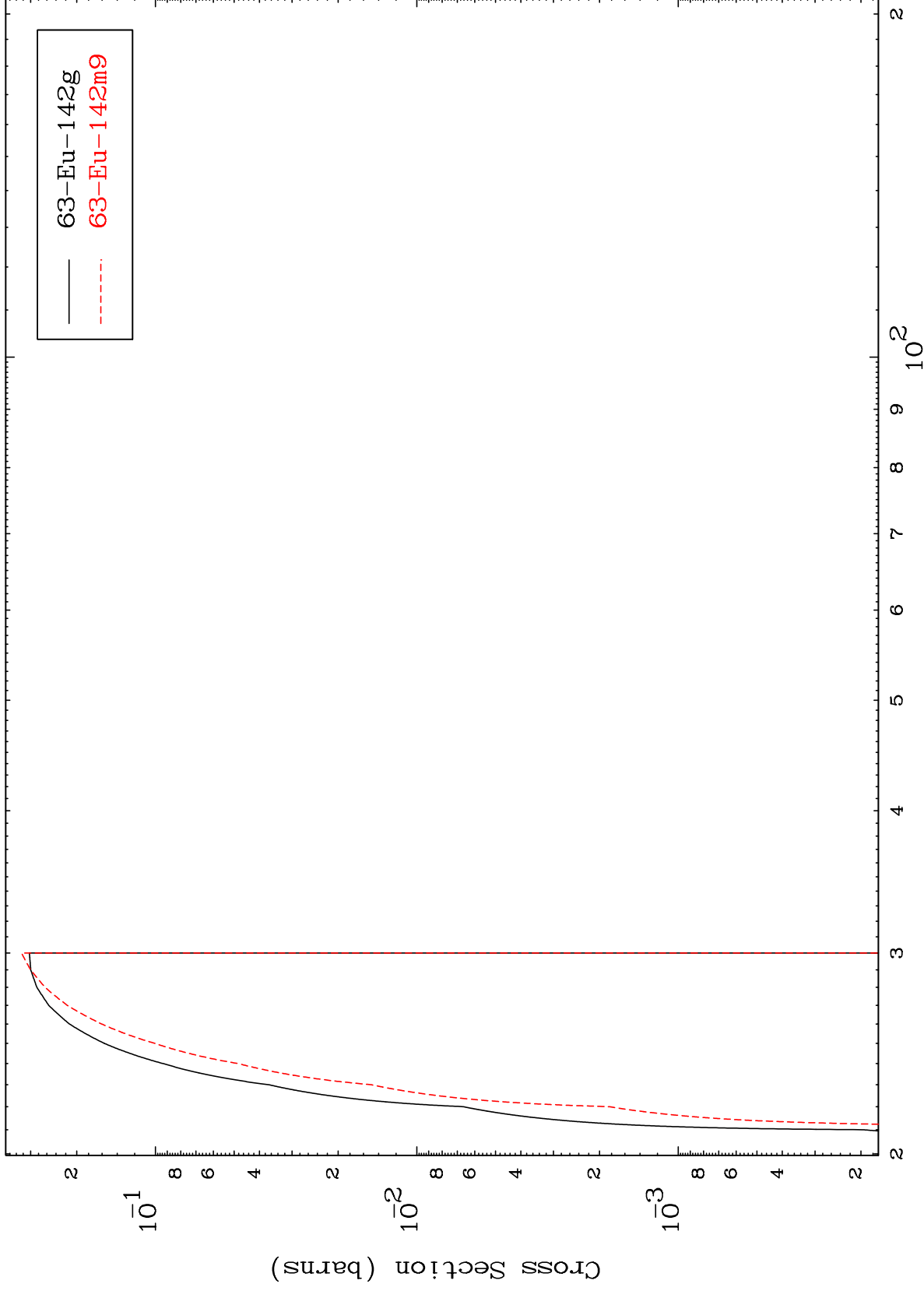
63-Eu-144

MAT 6304

(n,3n)

63-Eu-144

Radionuclide Production Cross Section



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

122

Incident Energy (MeV)

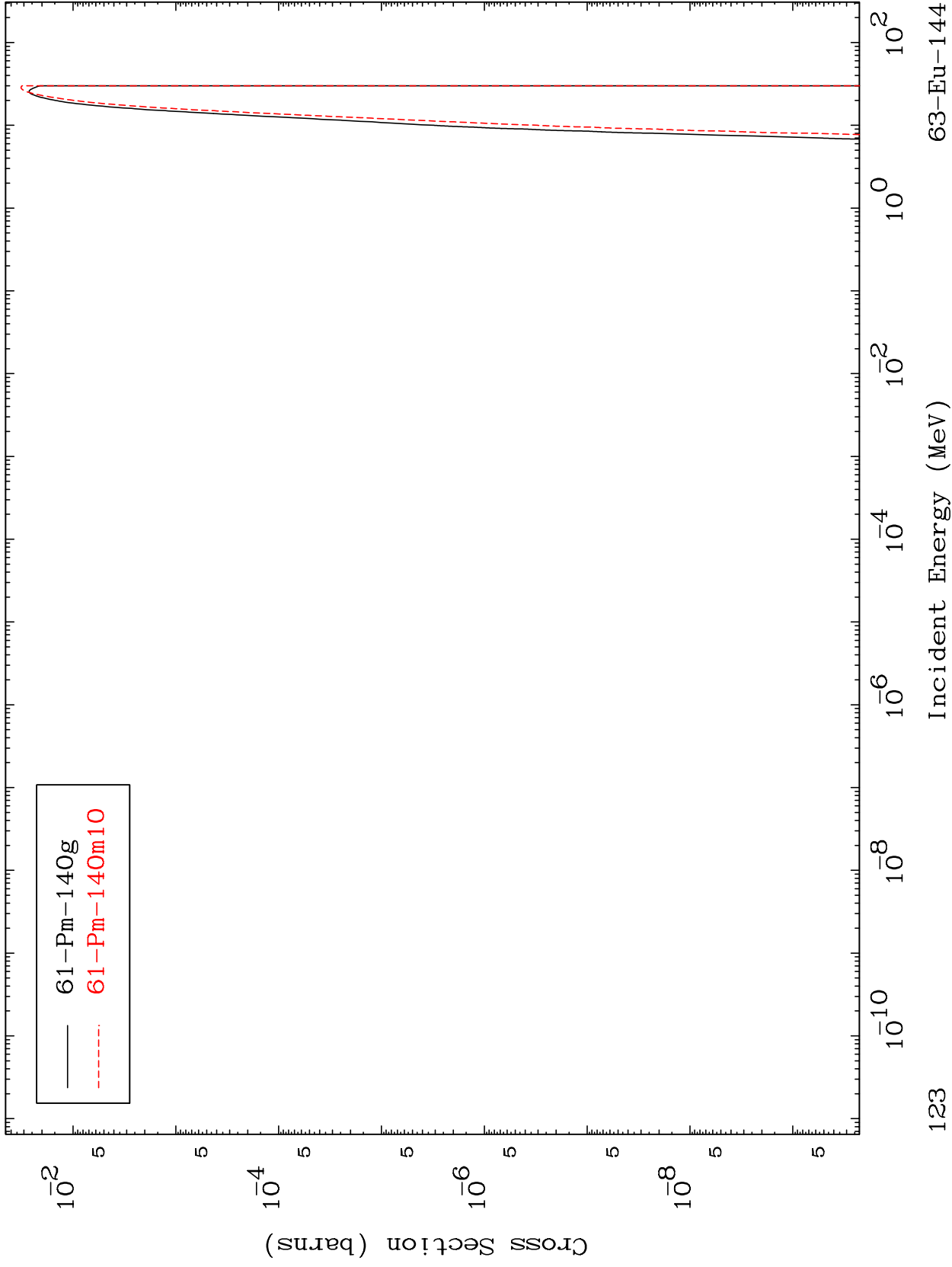
63-Eu-144

MAT 6304

$(n, n') \alpha$

63-Eu-144

Radionuclide Production Cross Section

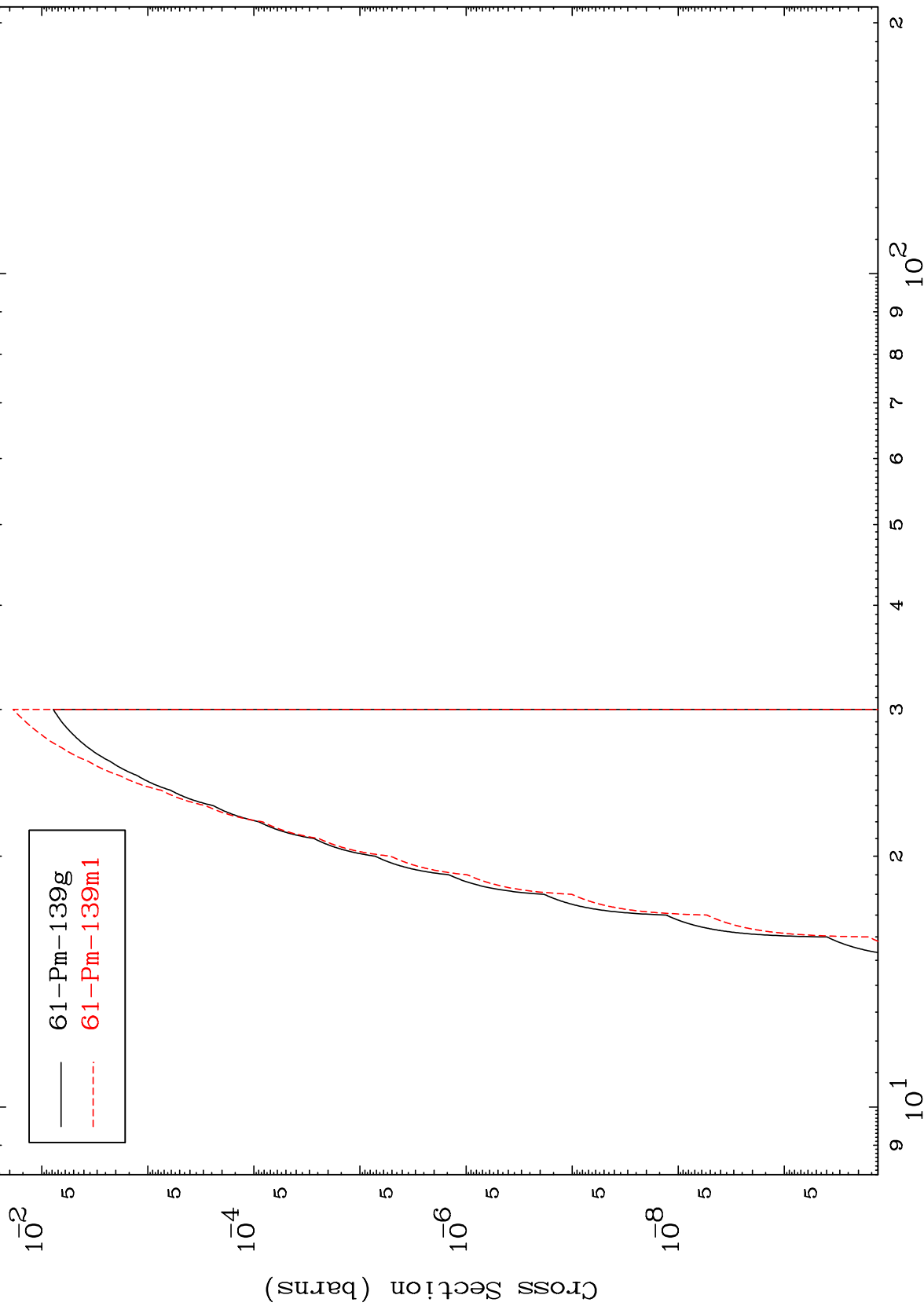


MAT 6304

(n,2n) α

63-Eu-144

Radionuclide Production Cross Section



124

Incident Energy (MeV)

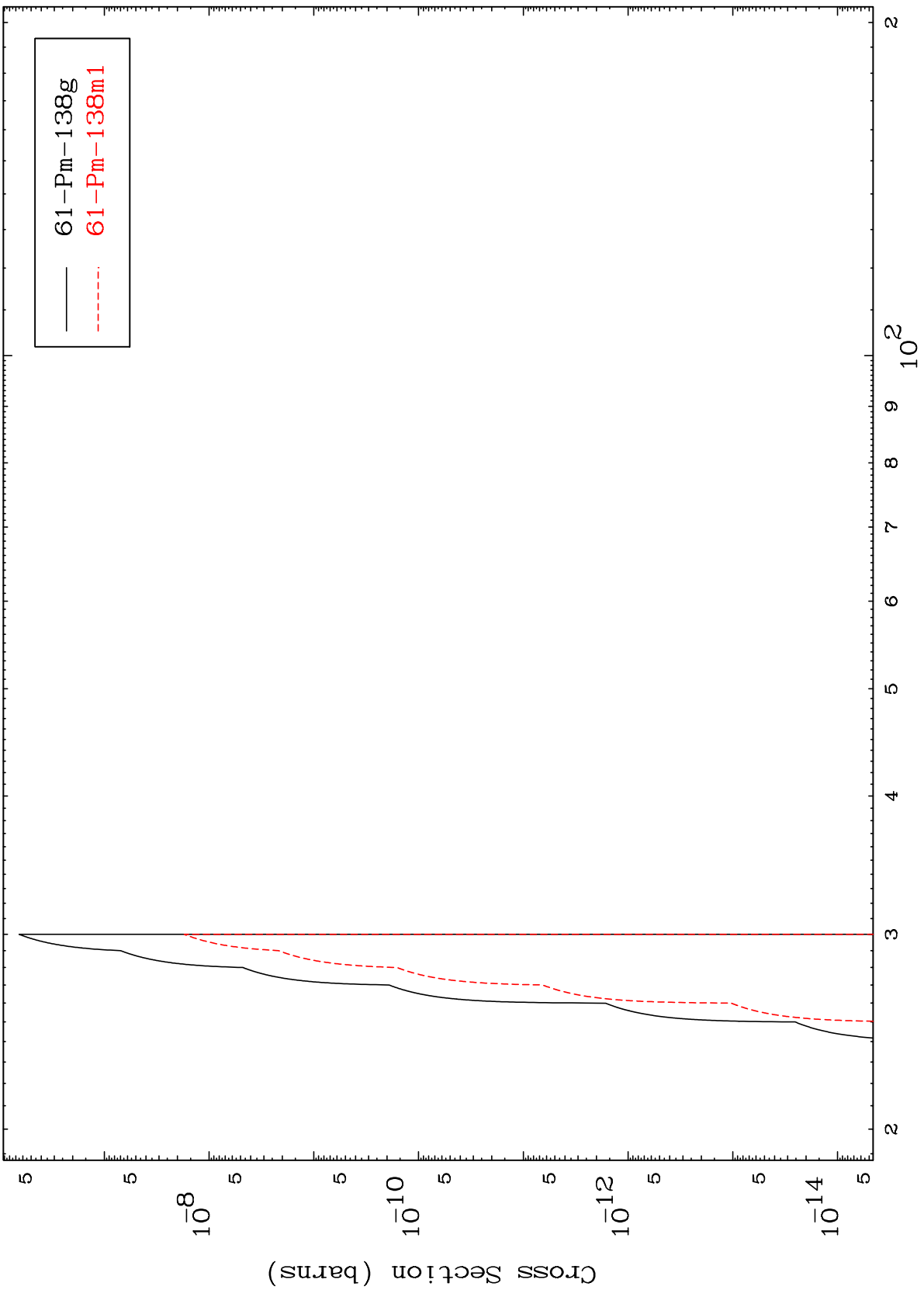
63-Eu-144

MAT 6304

(n,3n) α

63-Eu-144

Radionuclide Production Cross Section

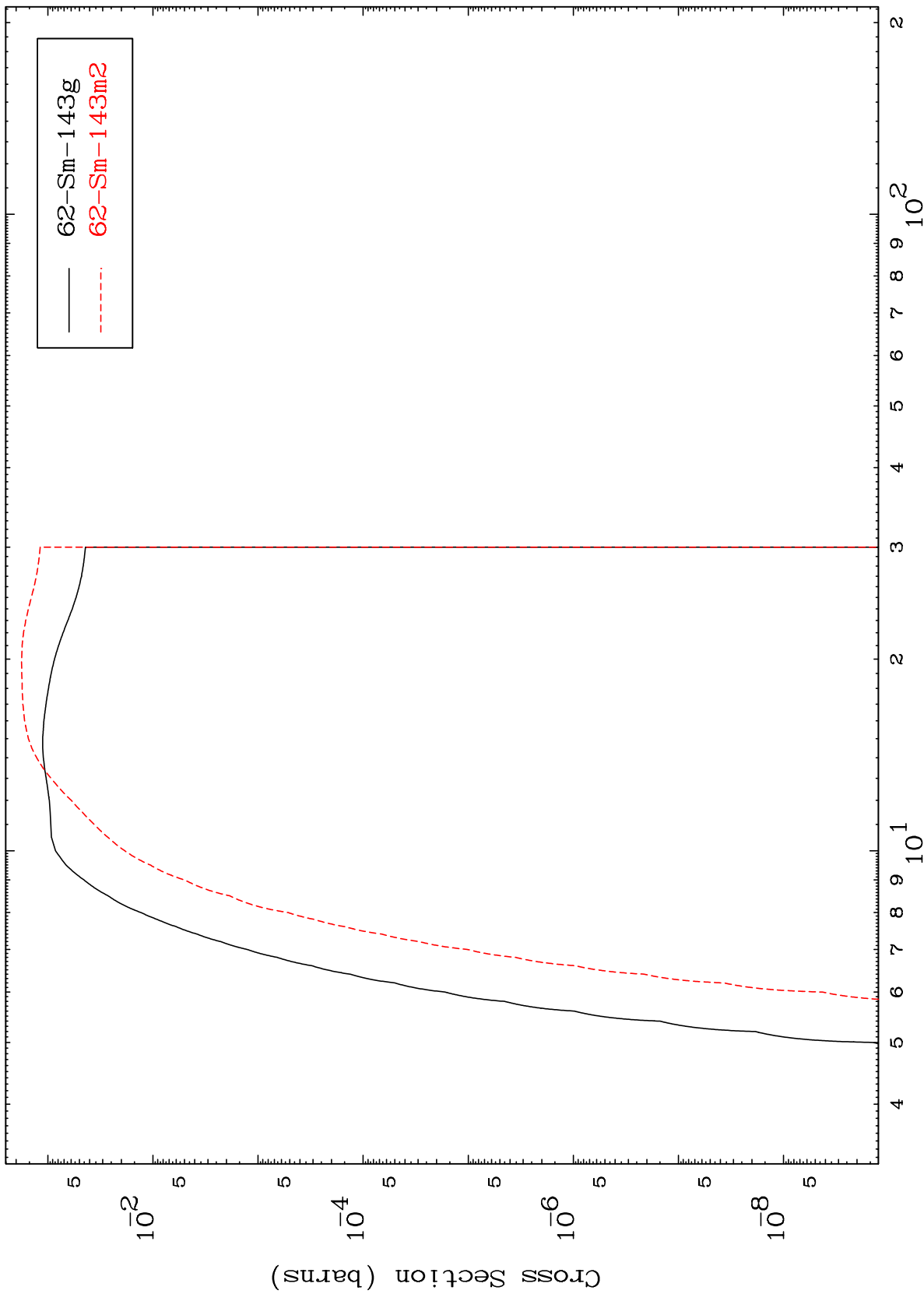


125

Incident Energy (MeV)

63-Eu-144

(n,n') p
Radionuclide Production Cross Section

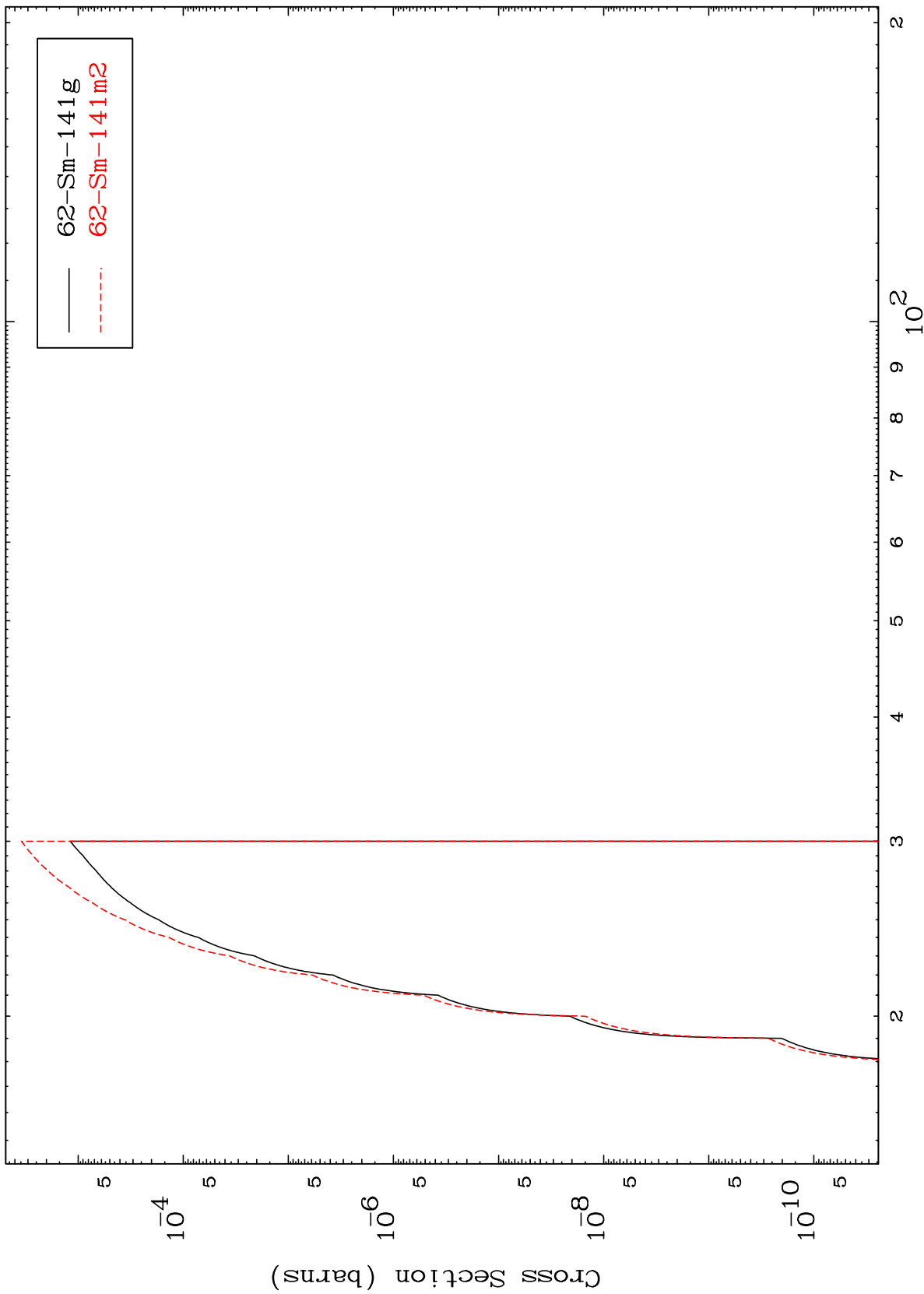


MAT 6304

(n,n') t

63-Eu-144

Radionuclide Production Cross Section

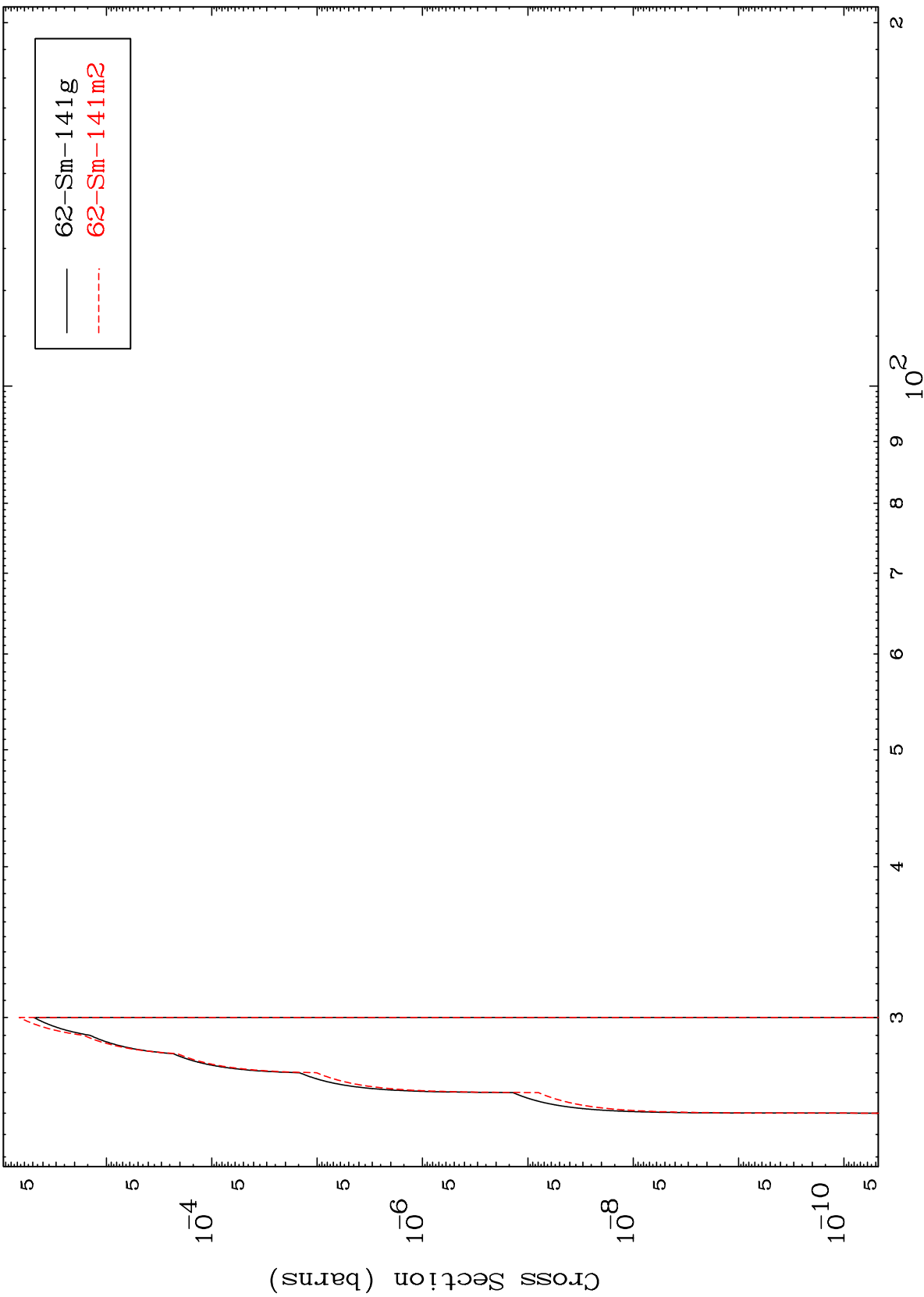


127

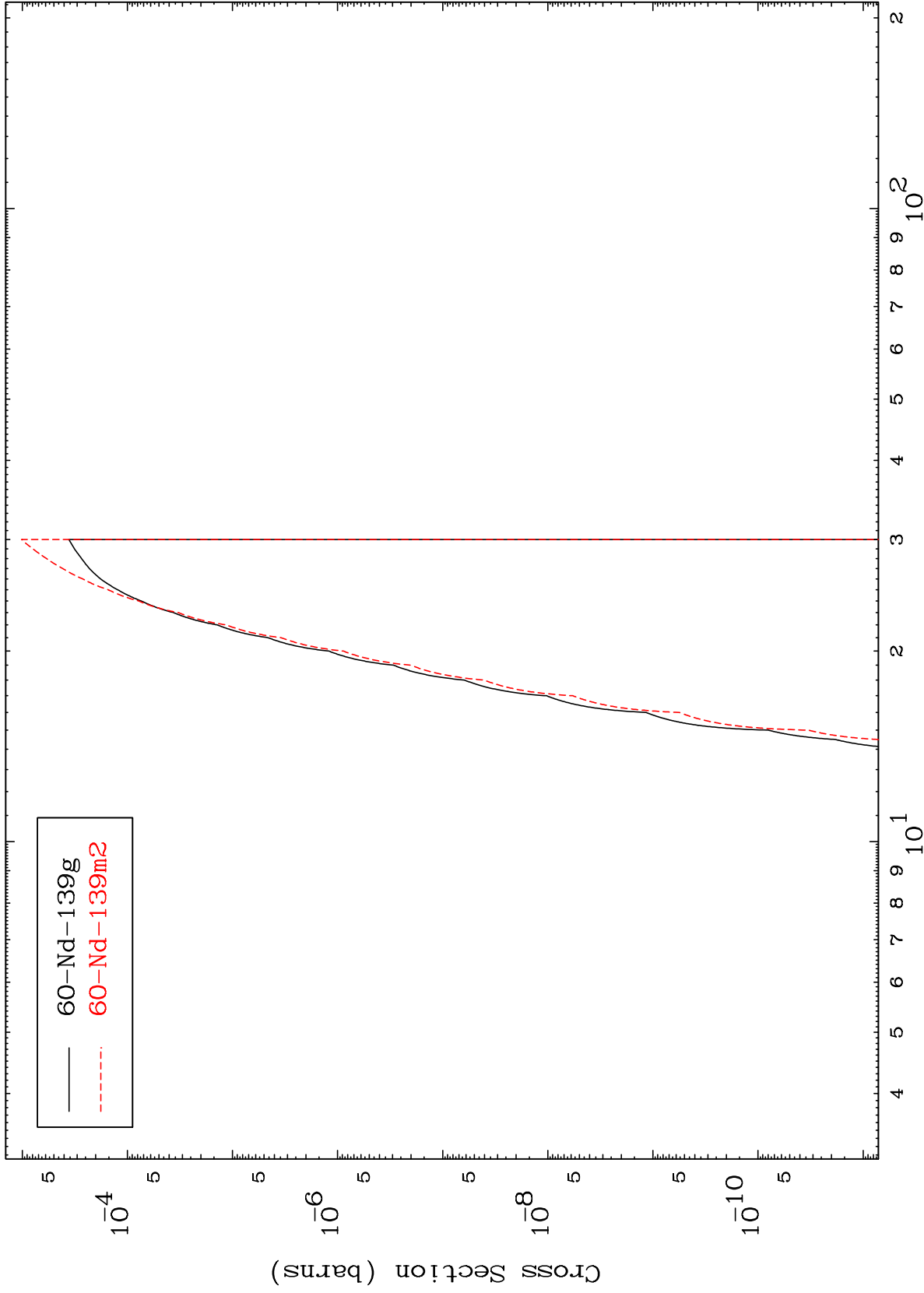
Incident Energy (MeV)

63-Eu-144

Radionuclide Production Cross Section



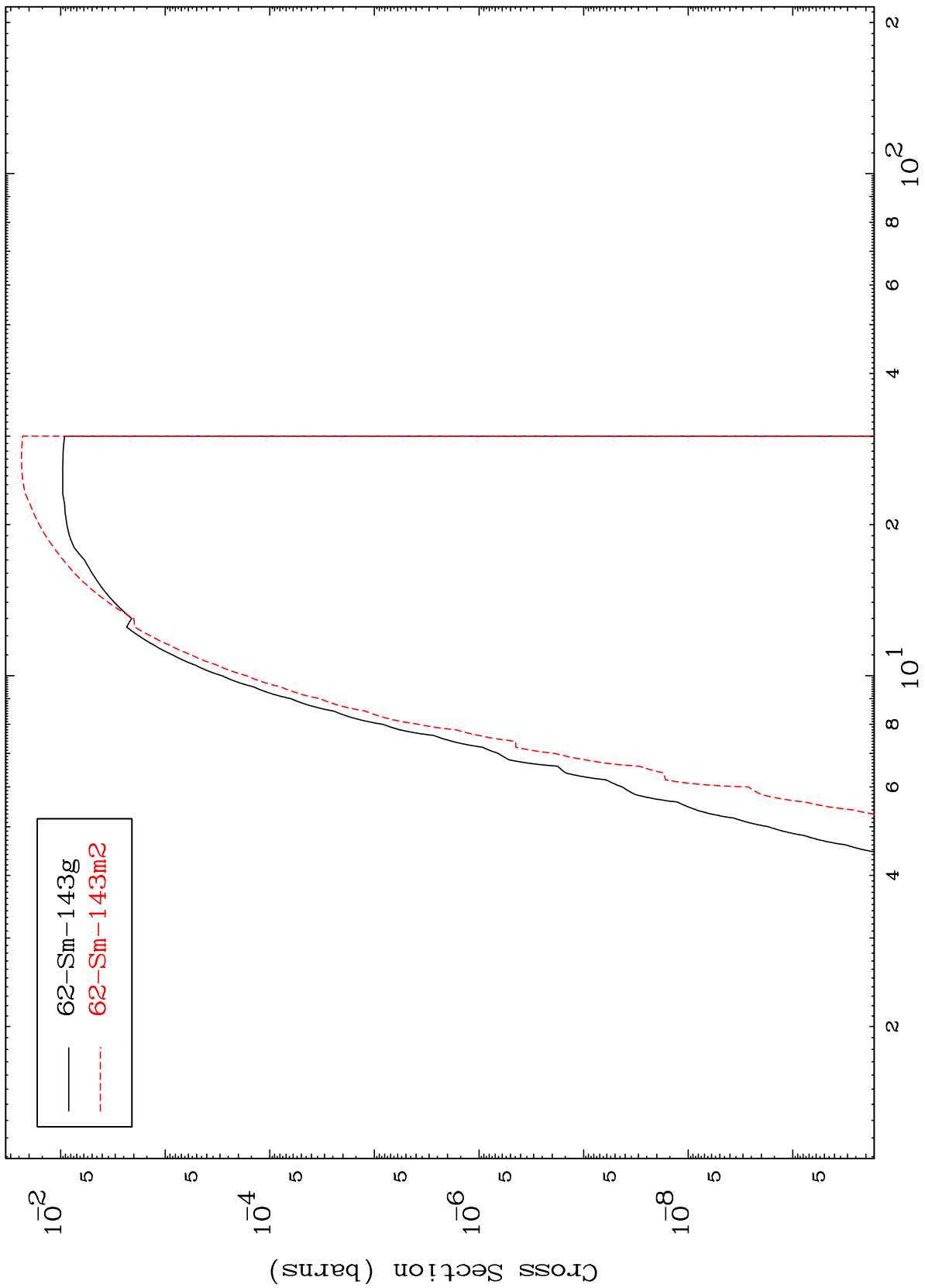
Radionuclide Production Cross Section



MAT 6304

63-Eu-144

(n,d)
Radionuclide Production Cross Section



63-Eu-144

Incident Energy (MeV)

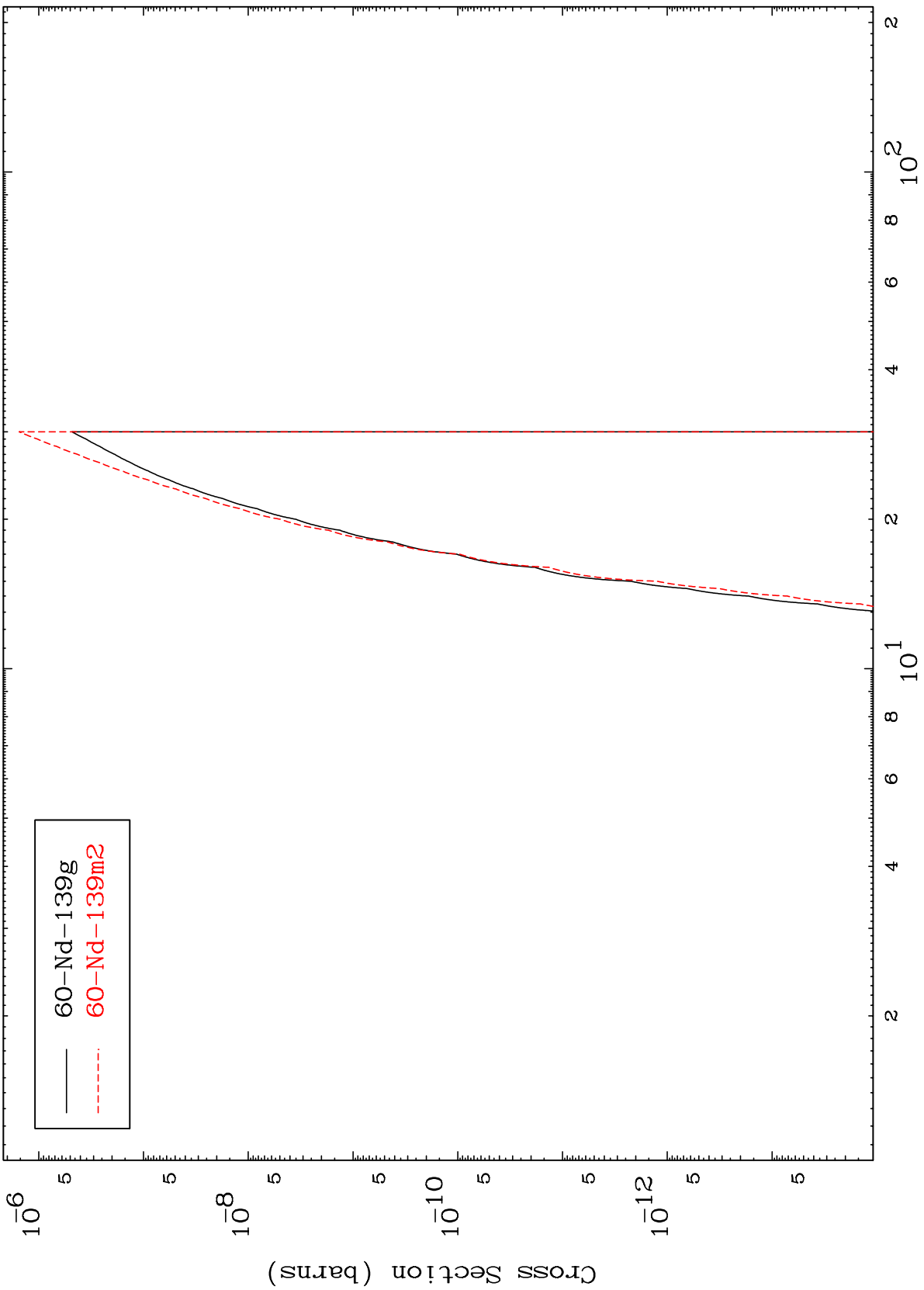
130

MAT 6304

(n,d) α

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

Radionuclide Production Cross Section



60-Nd-139g
60-Nd-139m2

131

Incident Energy (MeV)

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