

Program EVALPLOT  
(Version 2021-1)

by

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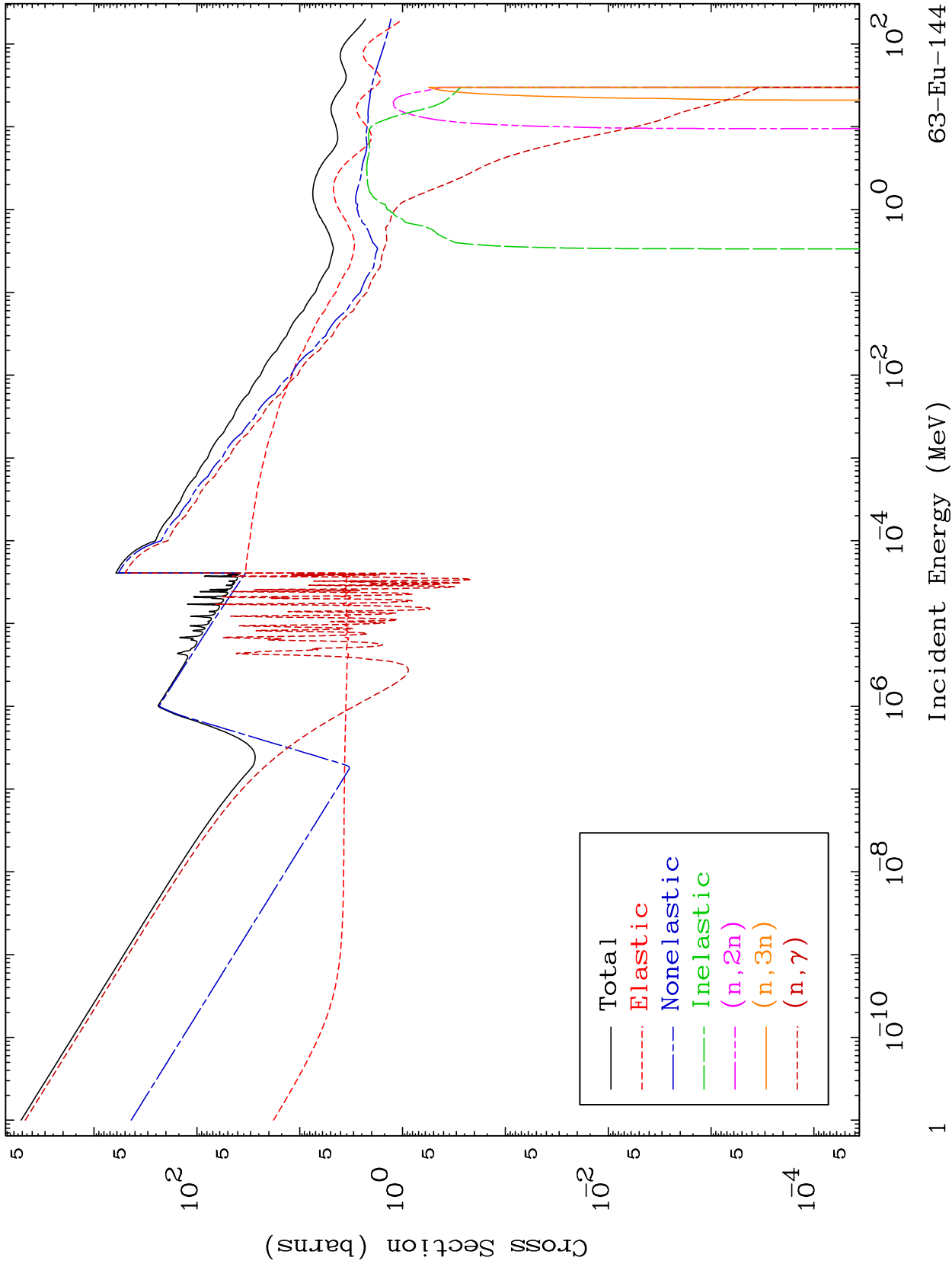
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Press Mouse Button to Start

MAT 6304

Neutron Major  
293 Kelvin Cross Sections

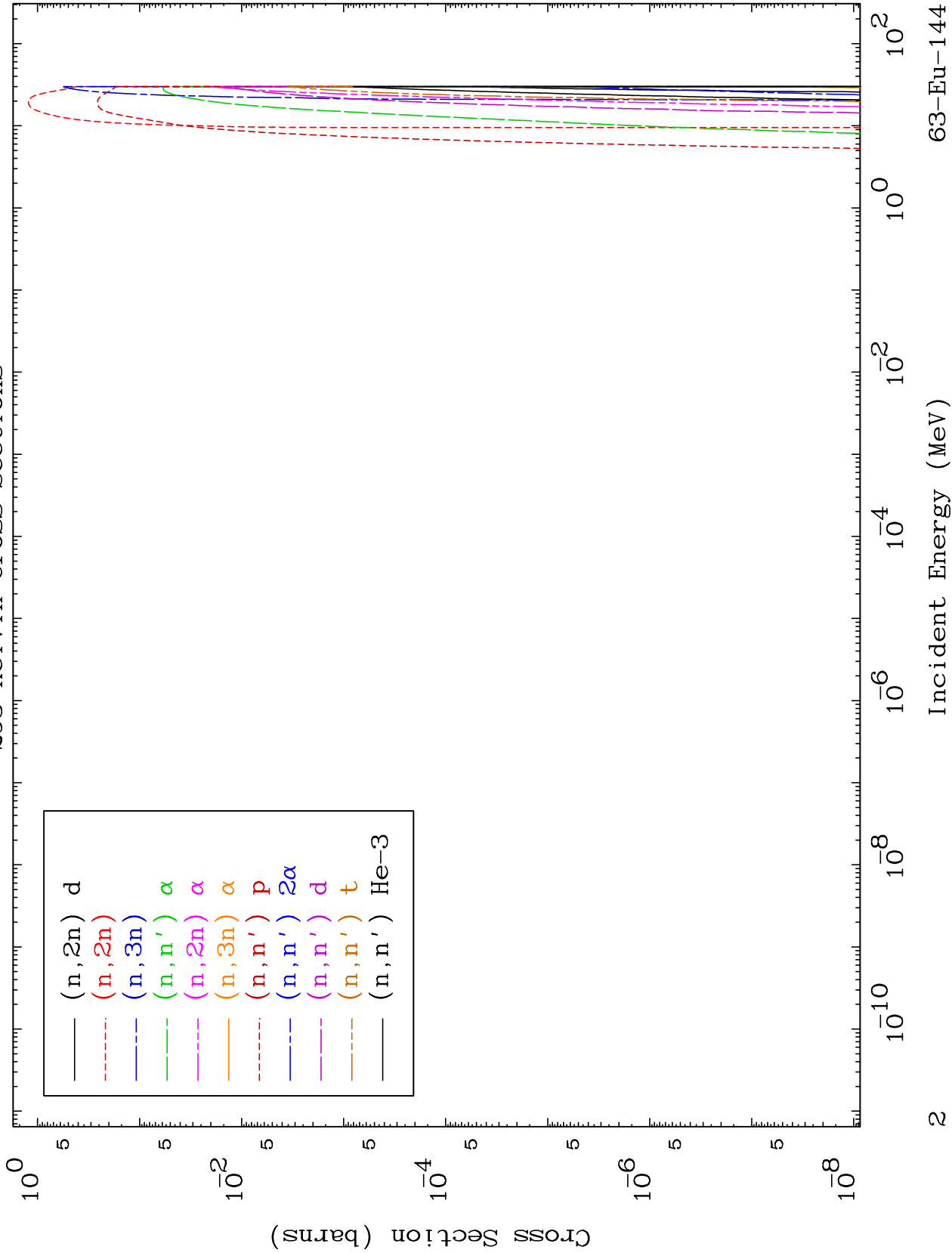
63-Eu-144



MAT 6304

Neutron Absorption  
293 Kelvin Cross Sections

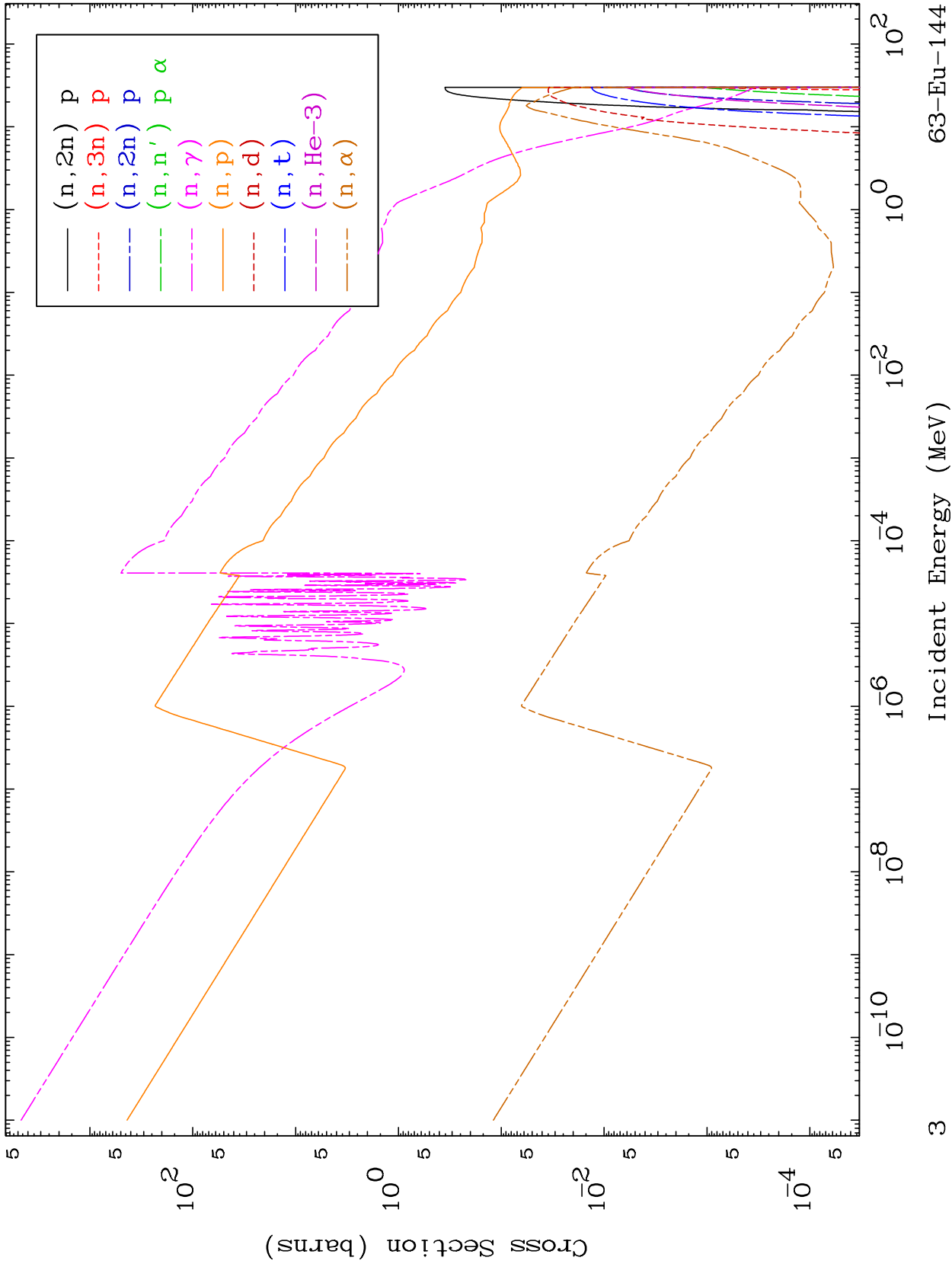
63-Eu-144



MAT 6304

Neutron Absorption  
293 Kelvin Cross Sections

63-Eu-144

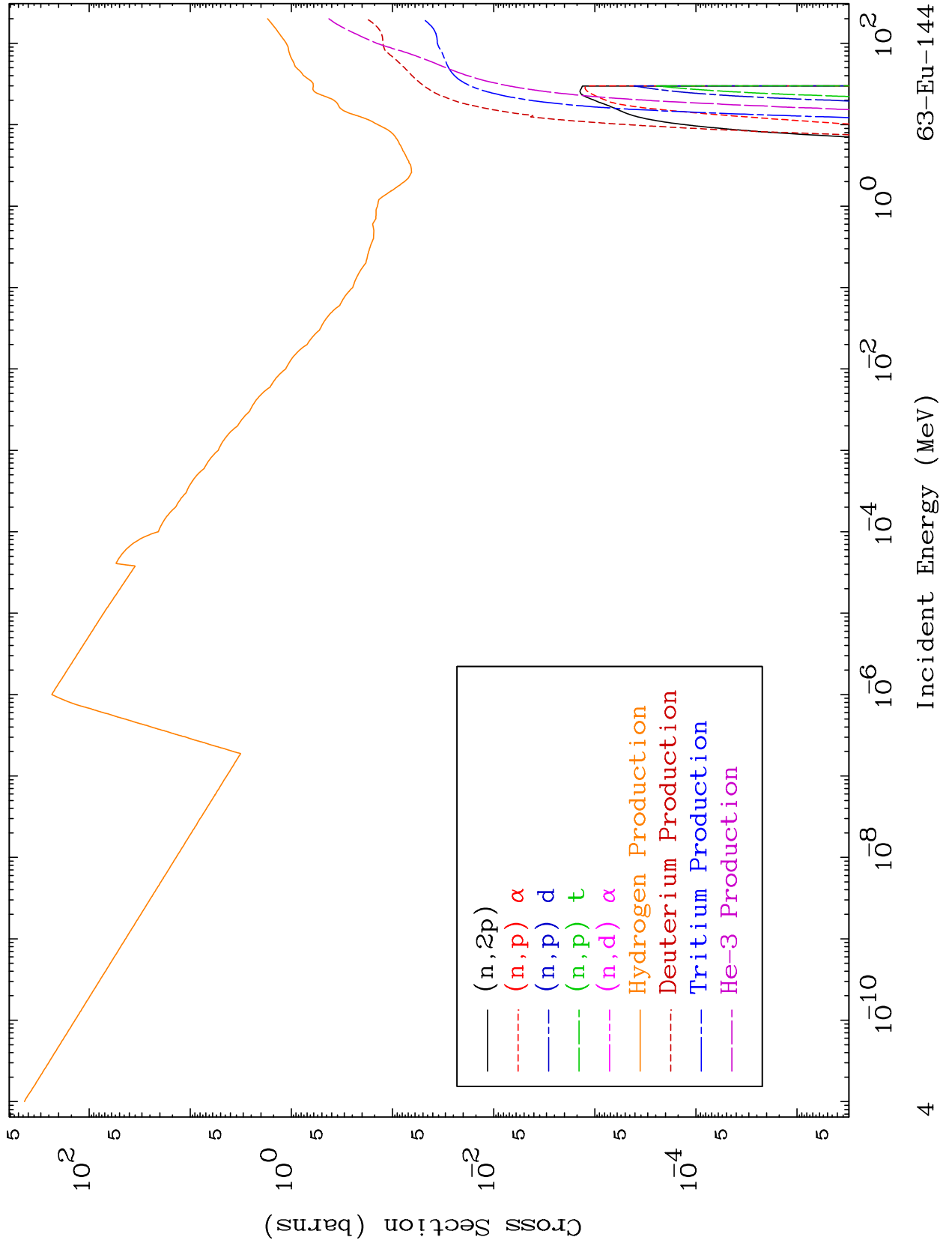


63-Eu-144

MAT 6304

Neutron Absorption  
293 Kelvin Cross Sections

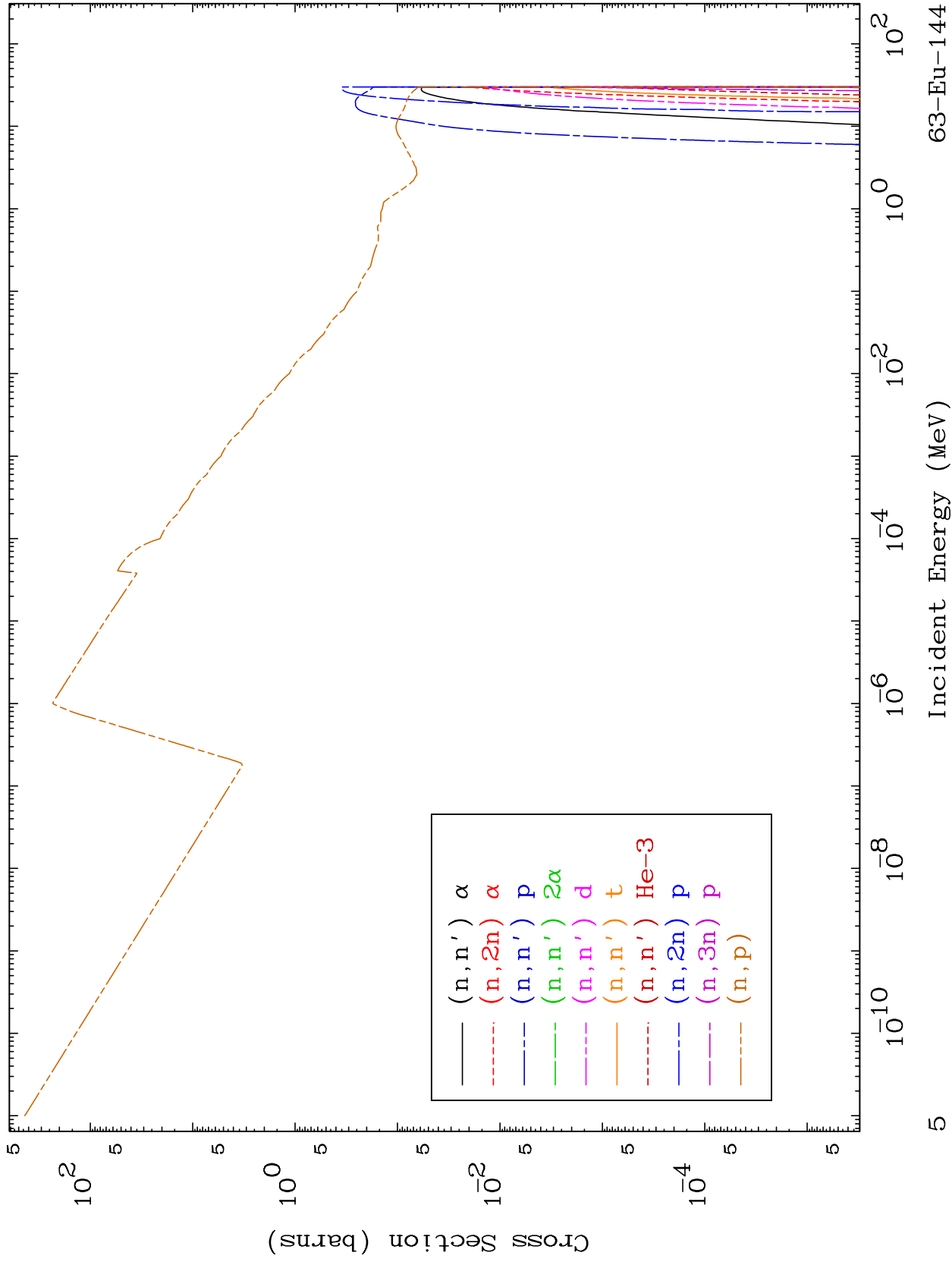
63-Eu-144



MAT 6304

Charged Particle  
293 Kelvin Cross Sections

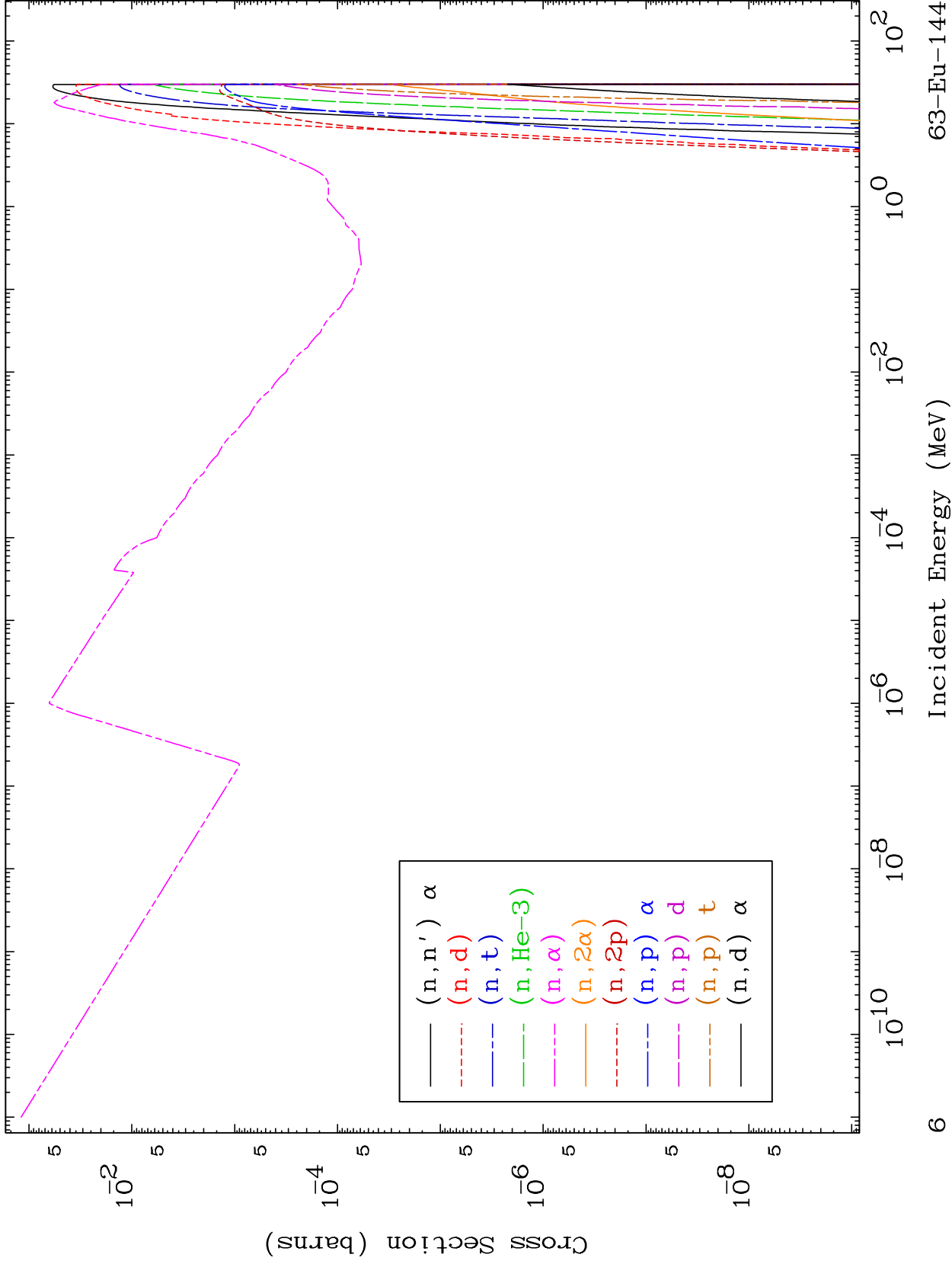
63-Eu-144



MAT 6304

Charged Particle  
293 Kelvin Cross Sections

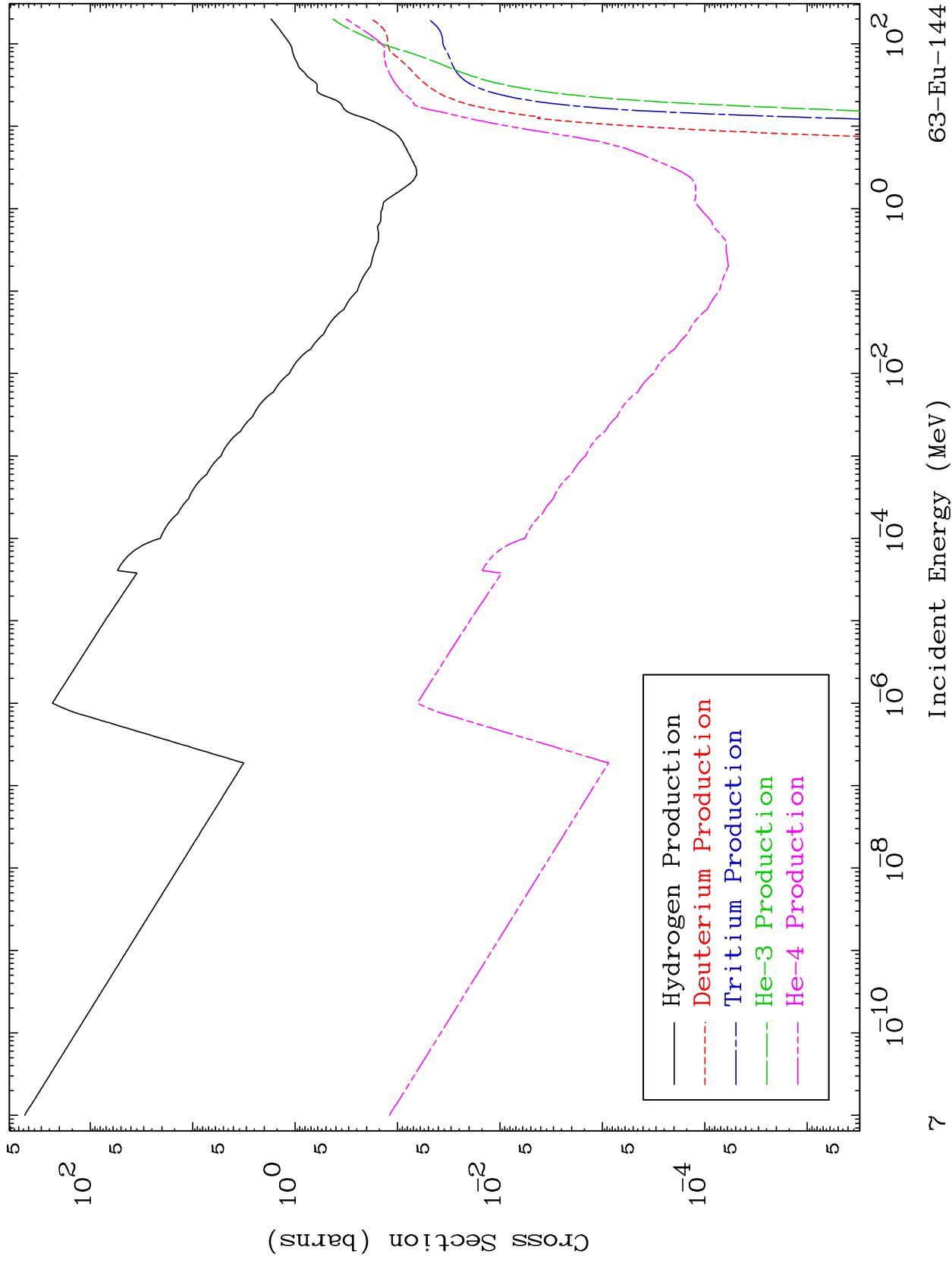
63-Eu-144



MAT 6304

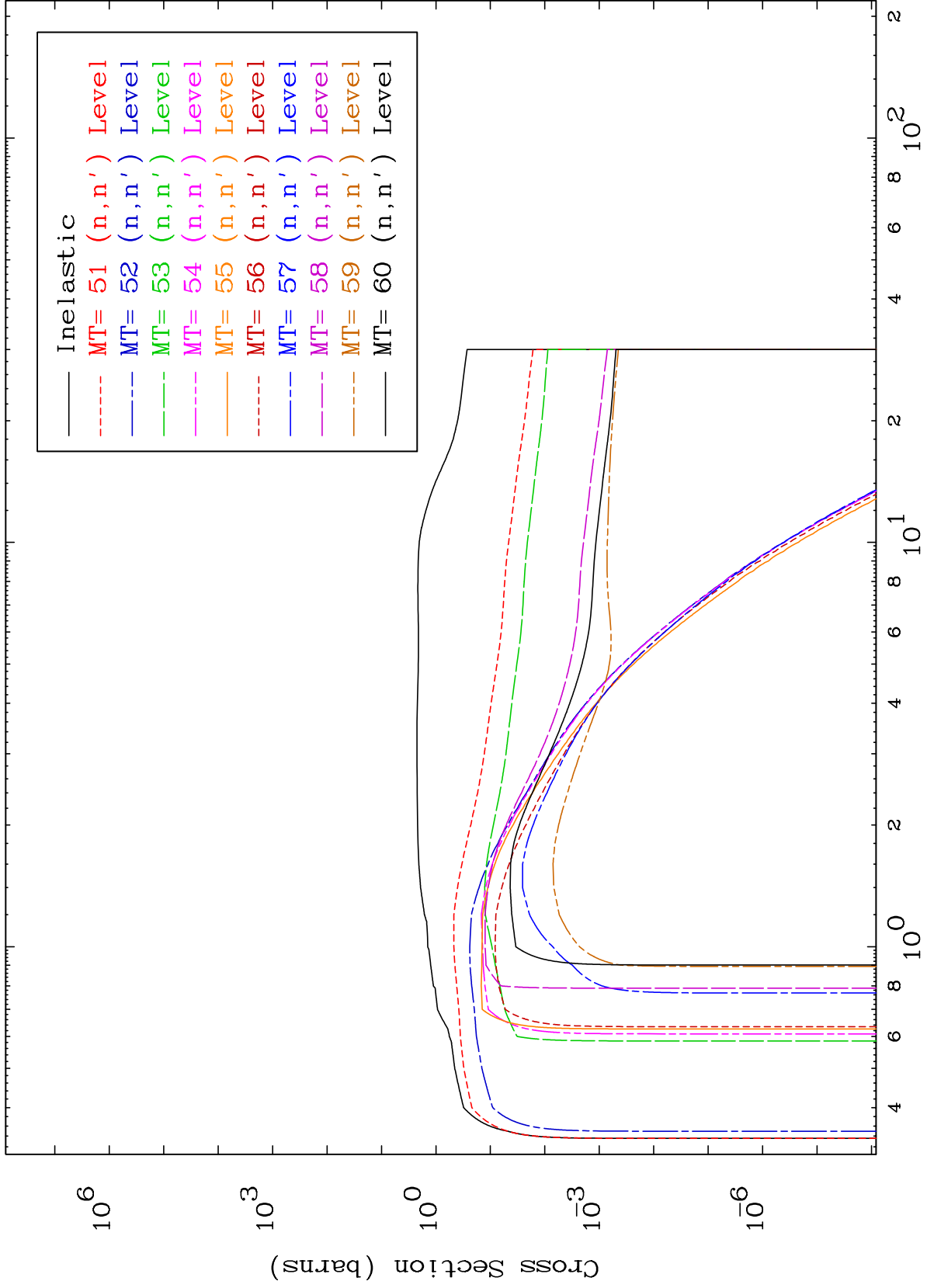
Particle Production  
293 Kelvin Cross Sections

63-Eu-144

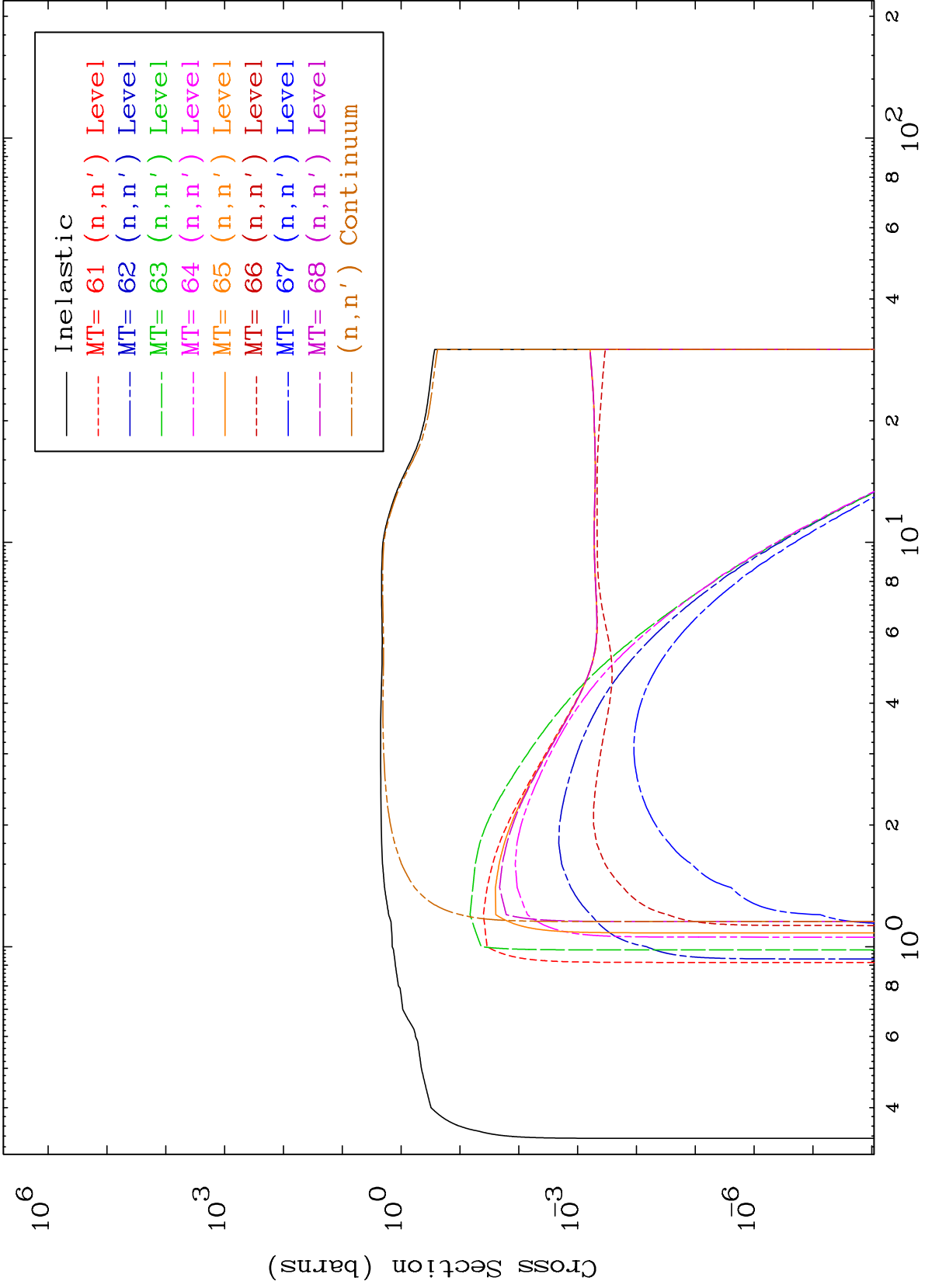




293 Kelvin Cross Sections



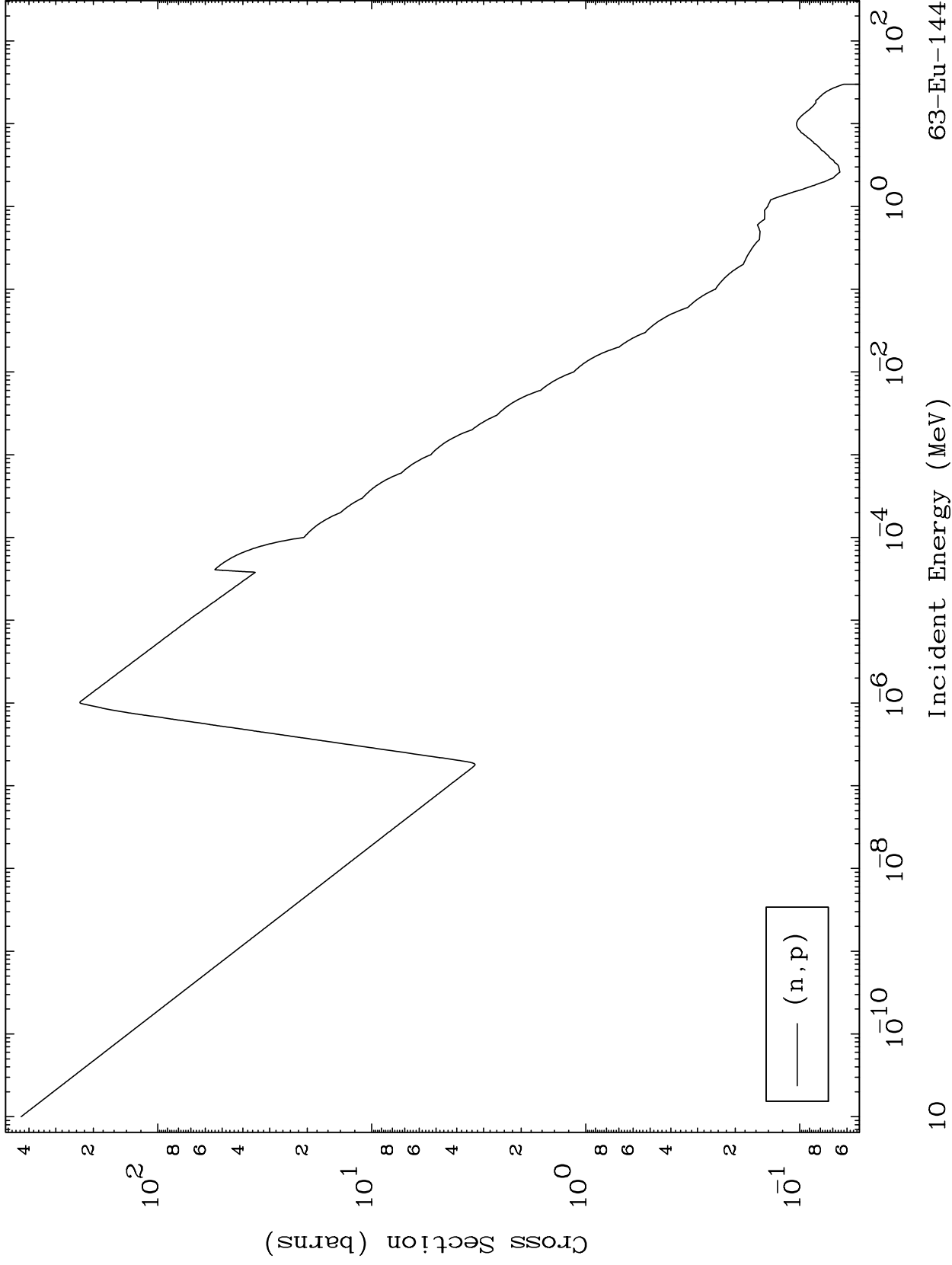
293 Kelvin Cross Sections



MAT 6304

(n,p) Levels  
293 Kelvin Cross Sections

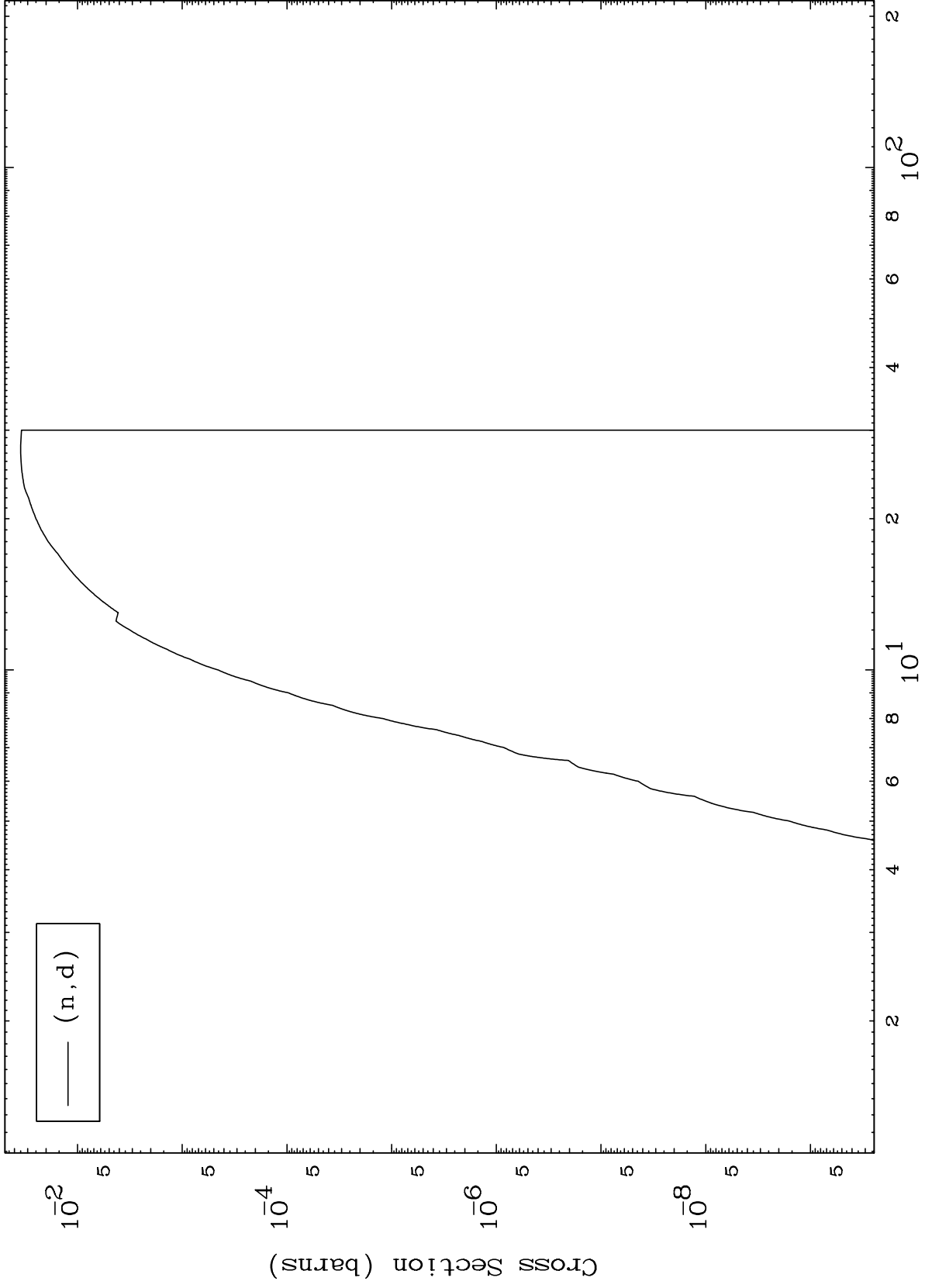
63-Eu-144



MAT 6304

(n,d) Levels  
293 Kelvin Cross Sections

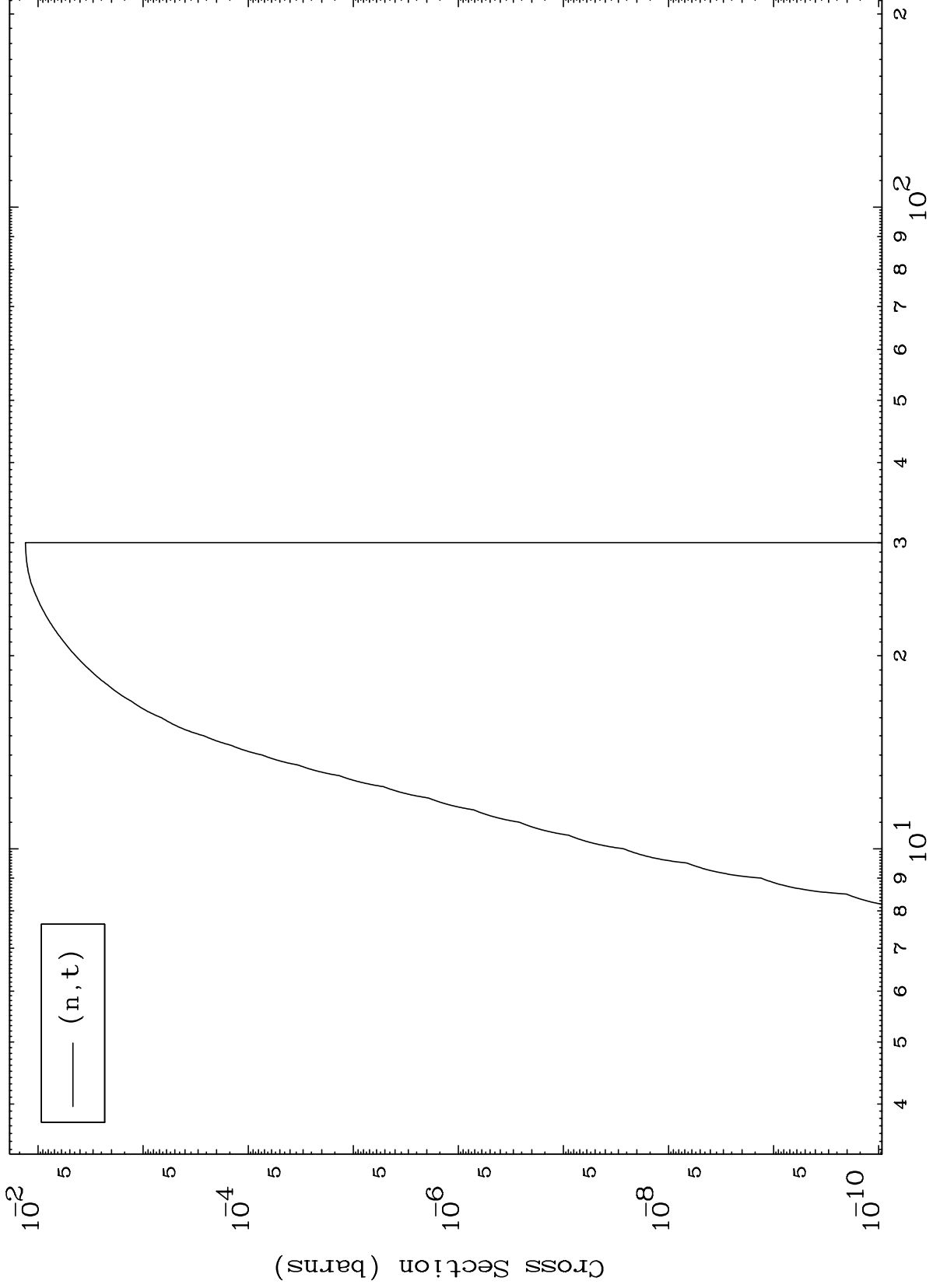
63-Eu-144



MAT 6304

(n,t) Levels  
293 Kelvin Cross Sections

63-Eu-144



12

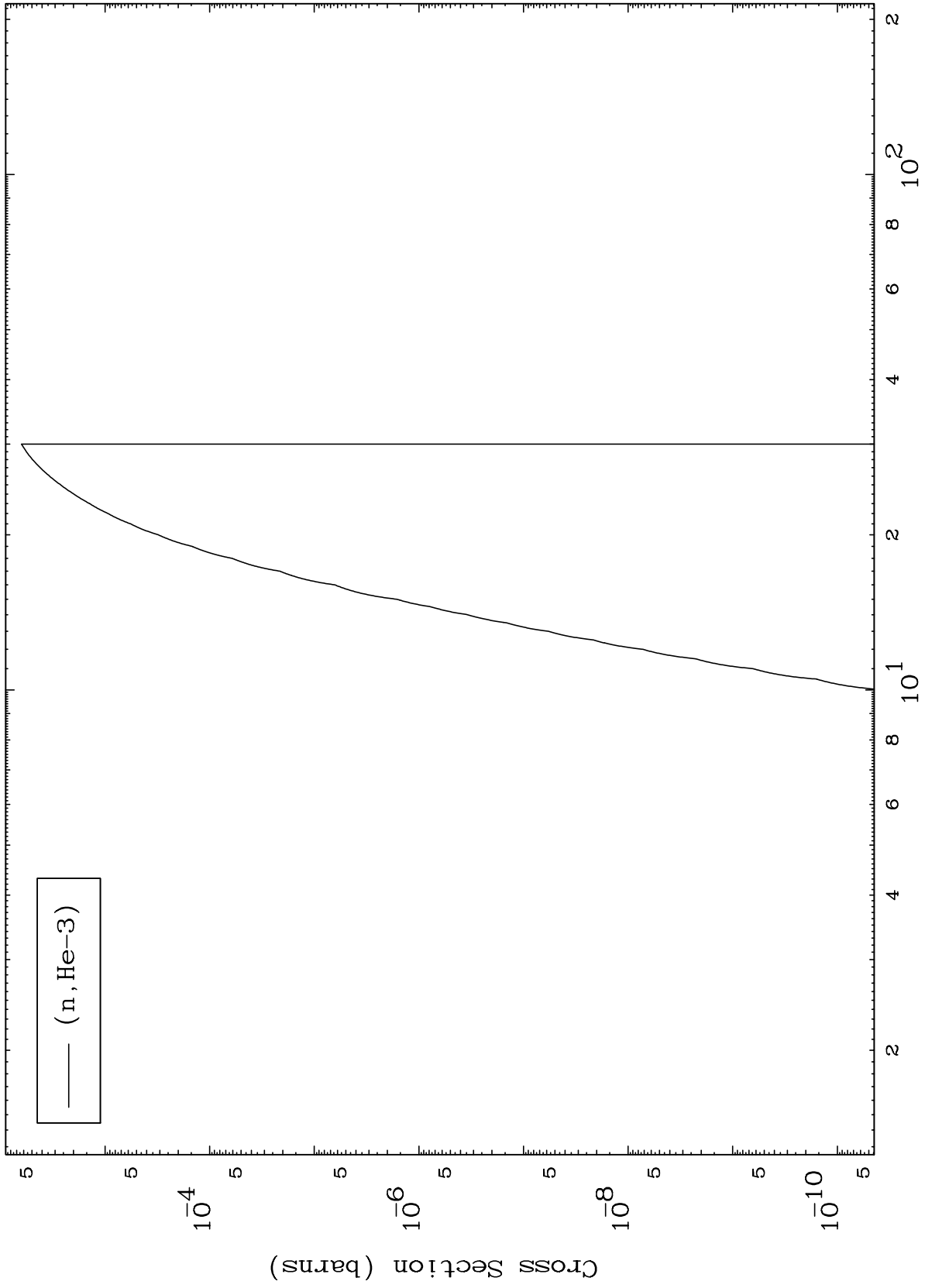
Incident Energy (MeV)

63-Eu-144

MAT 6304

(n,He3) Levels  
293 Kelvin Cross Sections

63-Eu-144



13

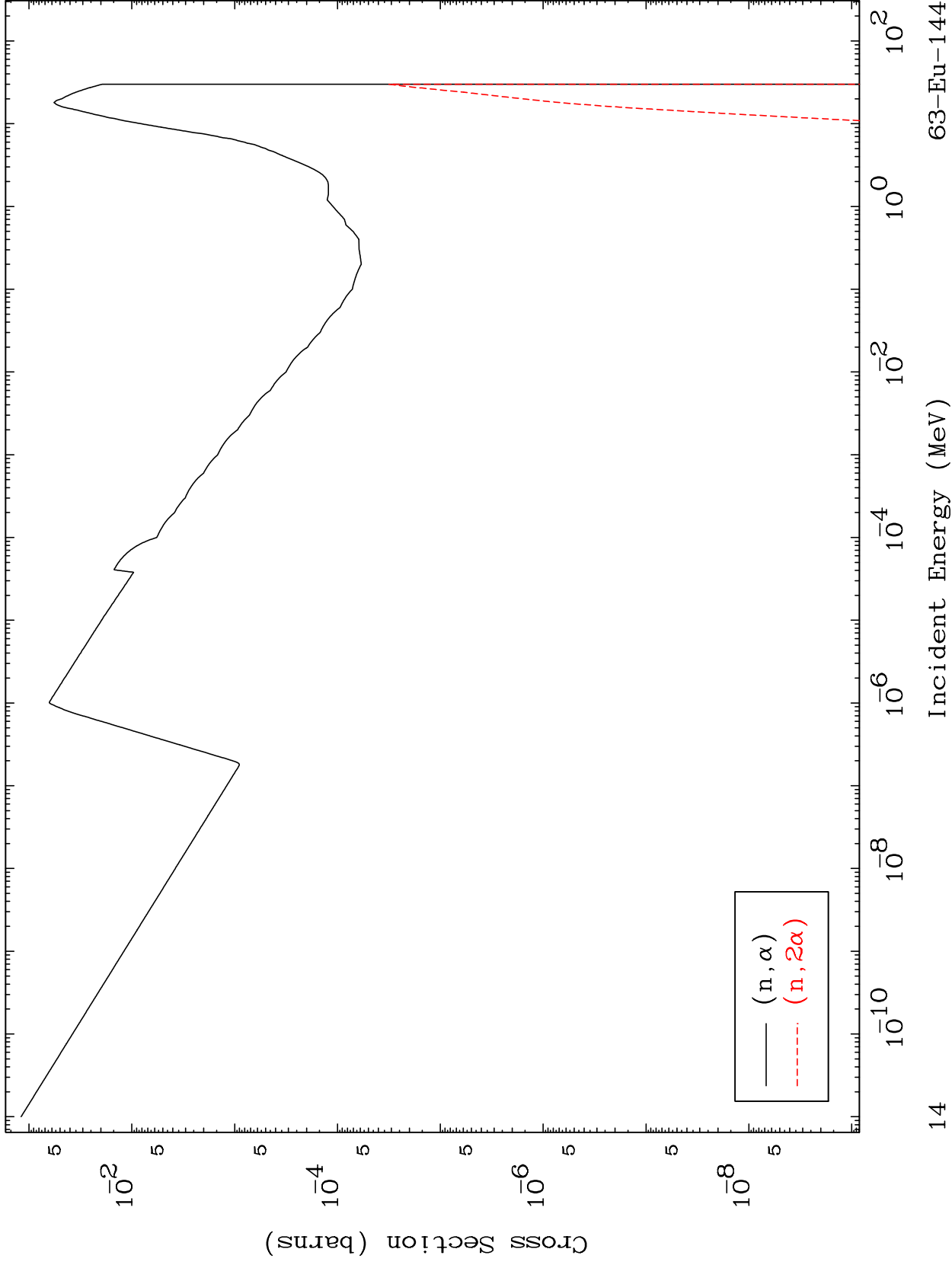
Incident Energy (MeV)

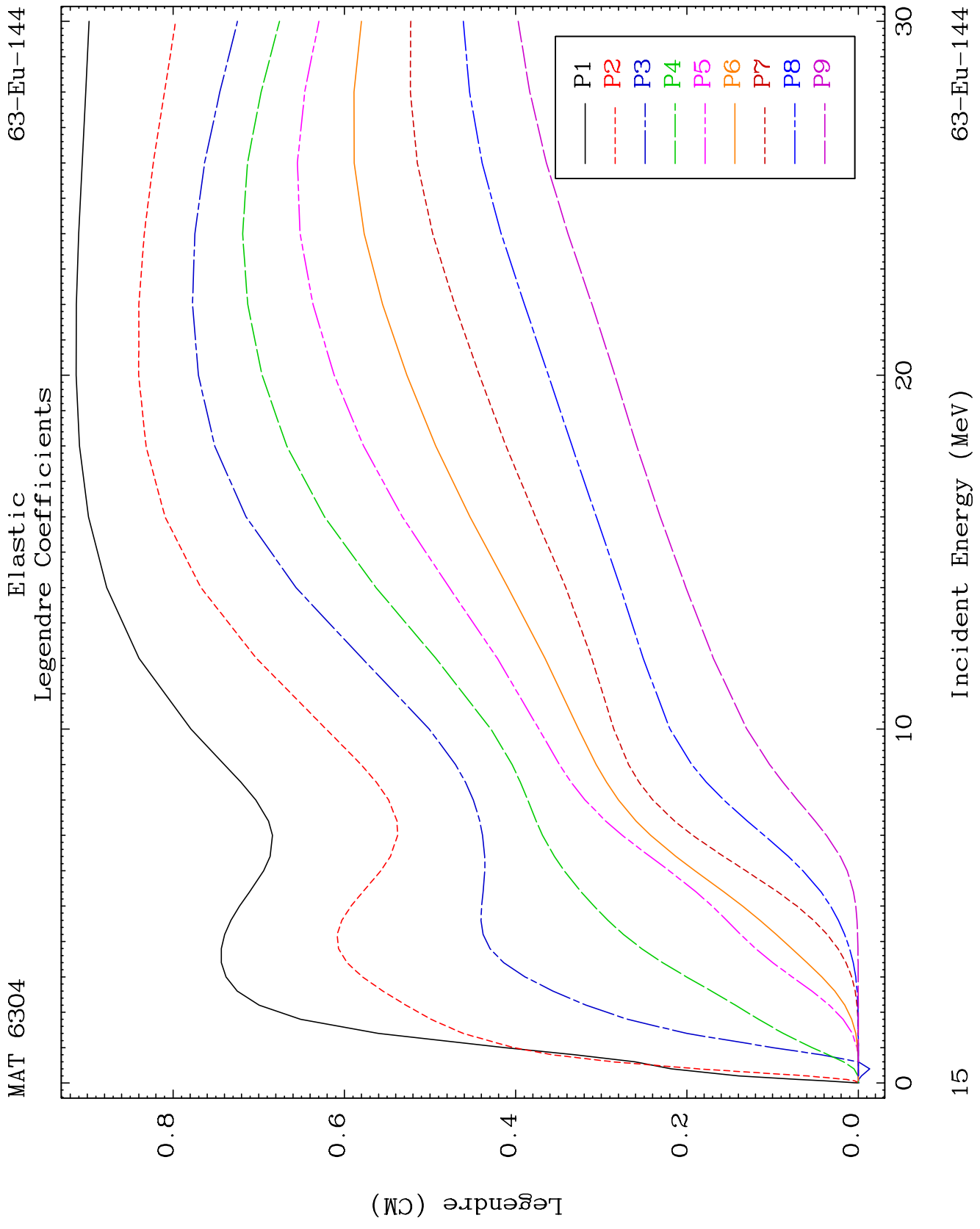
63-Eu-144

MAT 6304

(n,α) Levels  
293 Kelvin Cross Sections

63-Eu-144



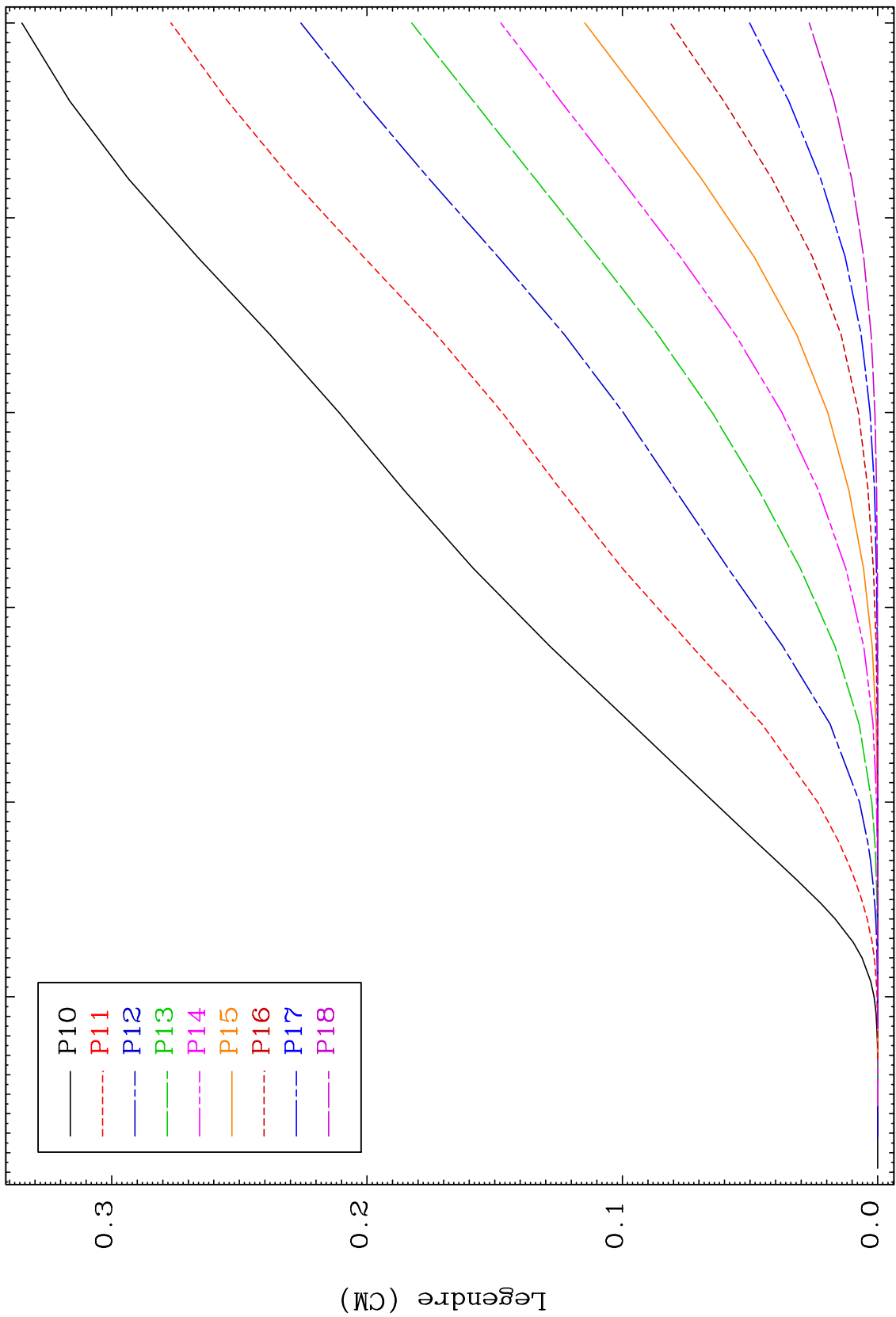




MAT 6304

Elastic Legendre Coefficients

63-Eu-144



16

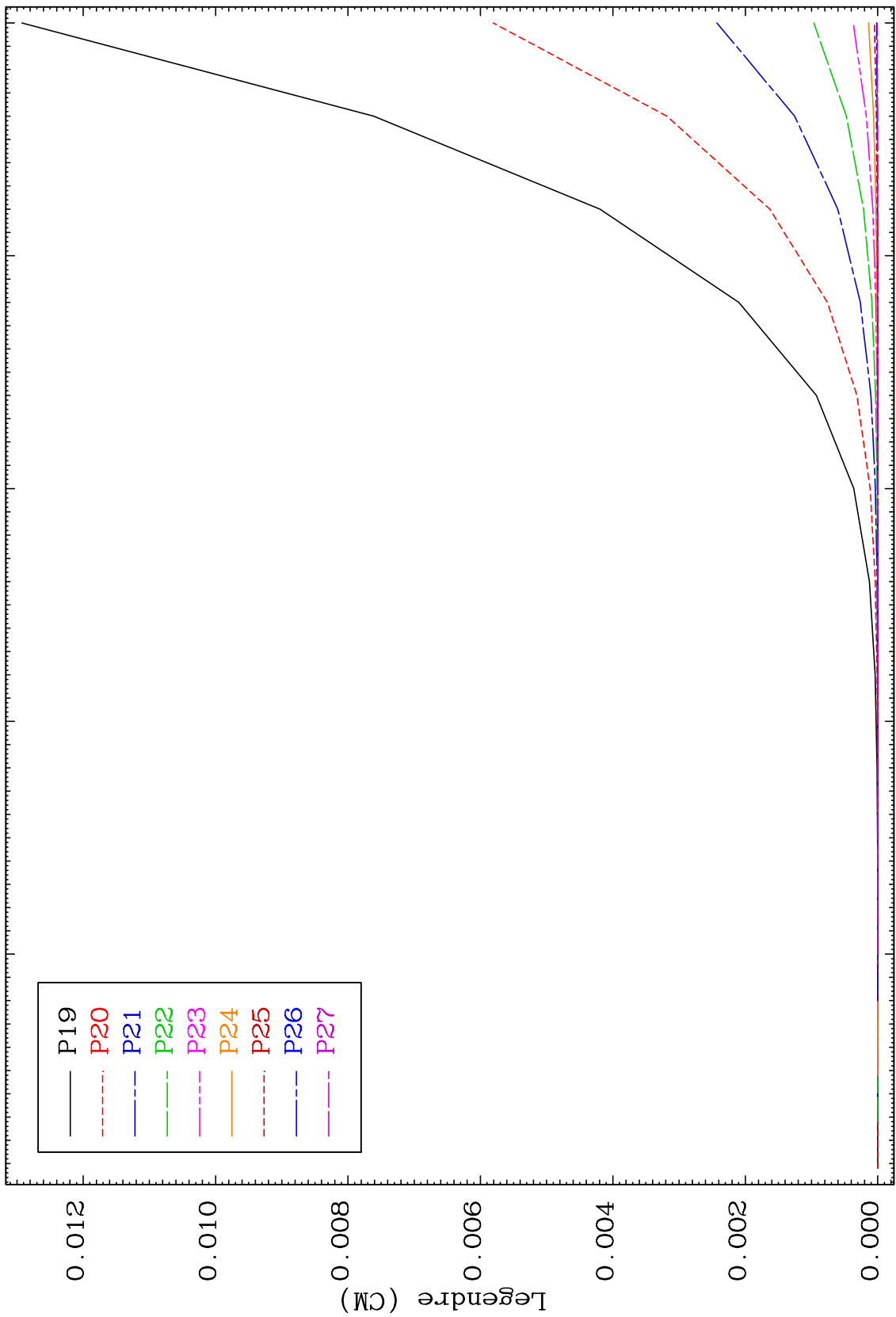
Incident Energy (MeV)

63-Eu-144

MAT 6304

### Elastic Legendre Coefficients

63-Eu-144



17

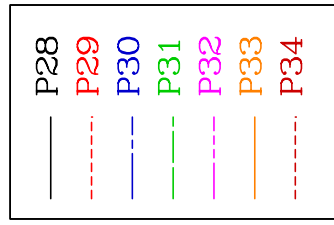
Incident Energy (MeV)

63-Eu-144

MAT 6304

Elastic Legendre Coefficients

63-Eu-144



$\times 10^{-6}$

1.5

Legendre (CM)

1.0

0.5

0.0

15

20

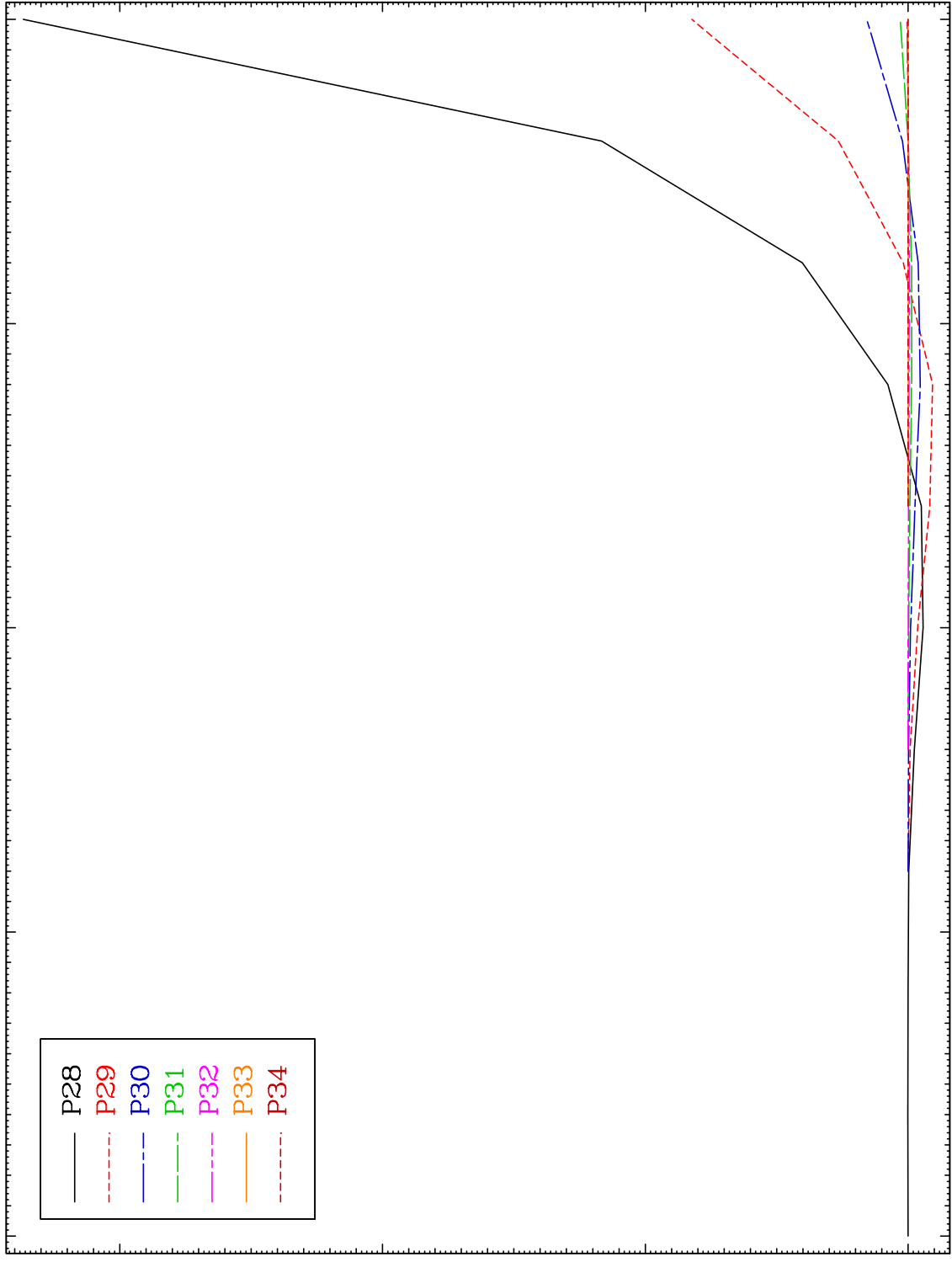
25

30

18

Incident Energy (MeV)

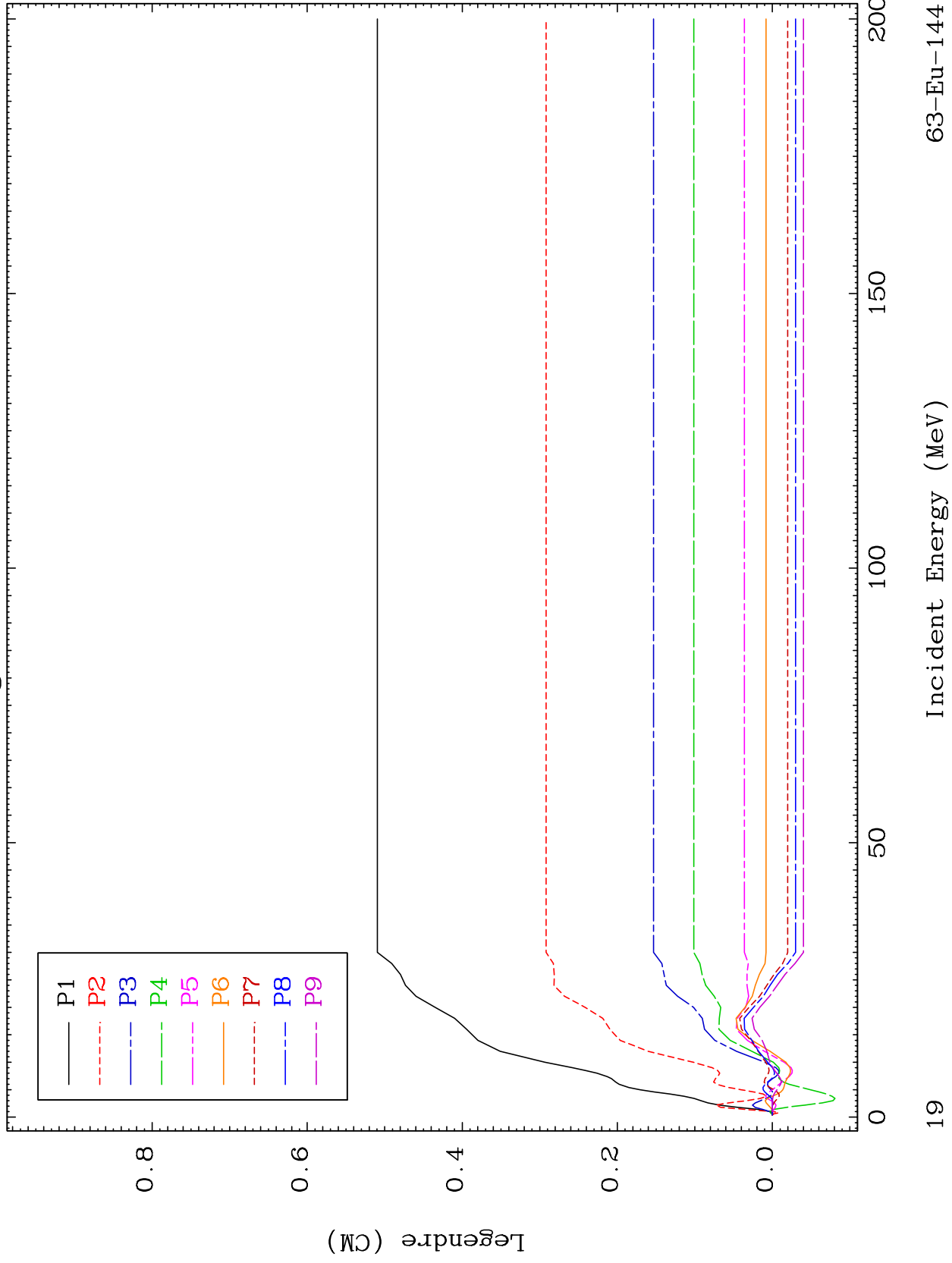
63-Eu-144



MAT 6304

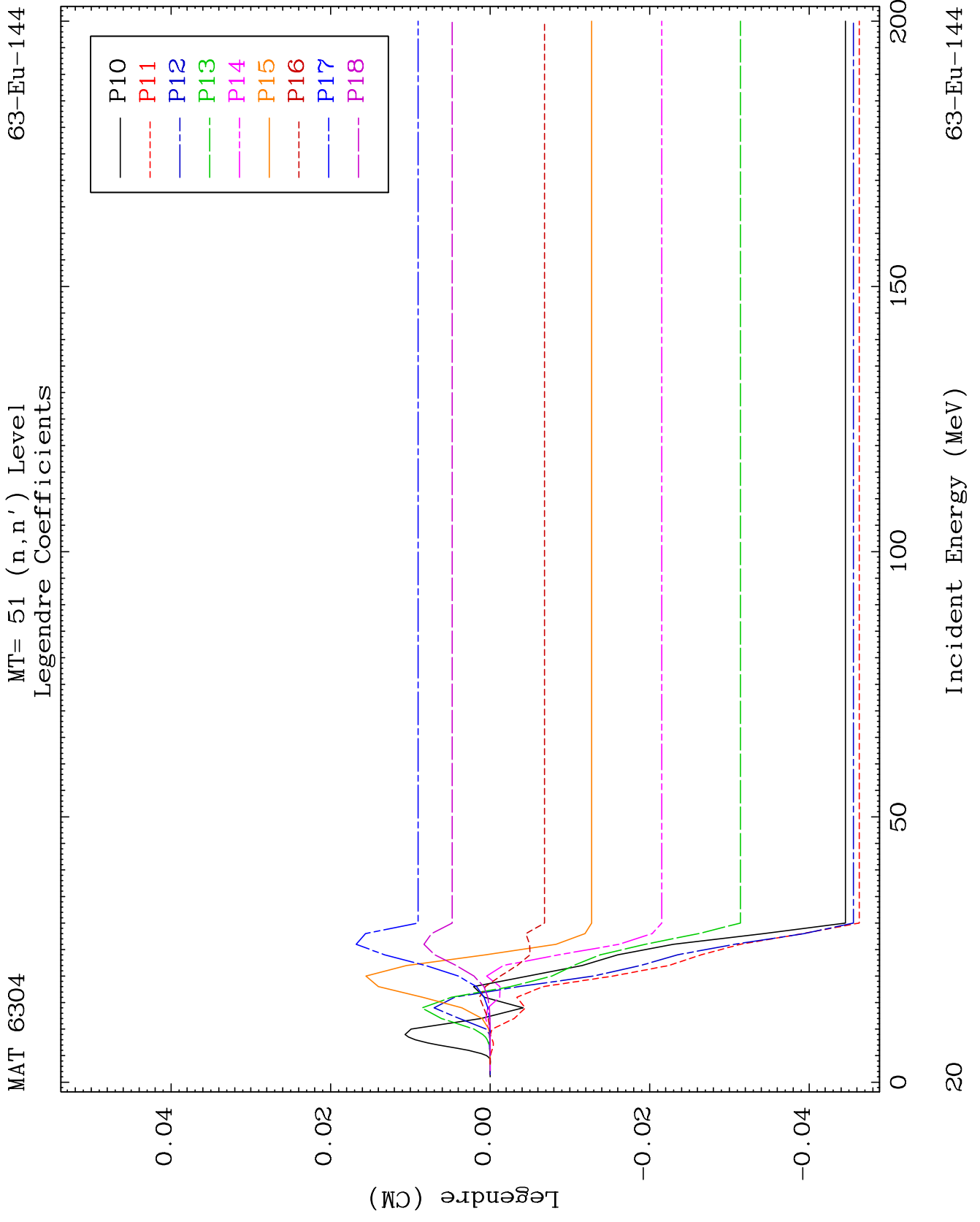
MT= 51 (n,n') Level  
Legendre Coefficients

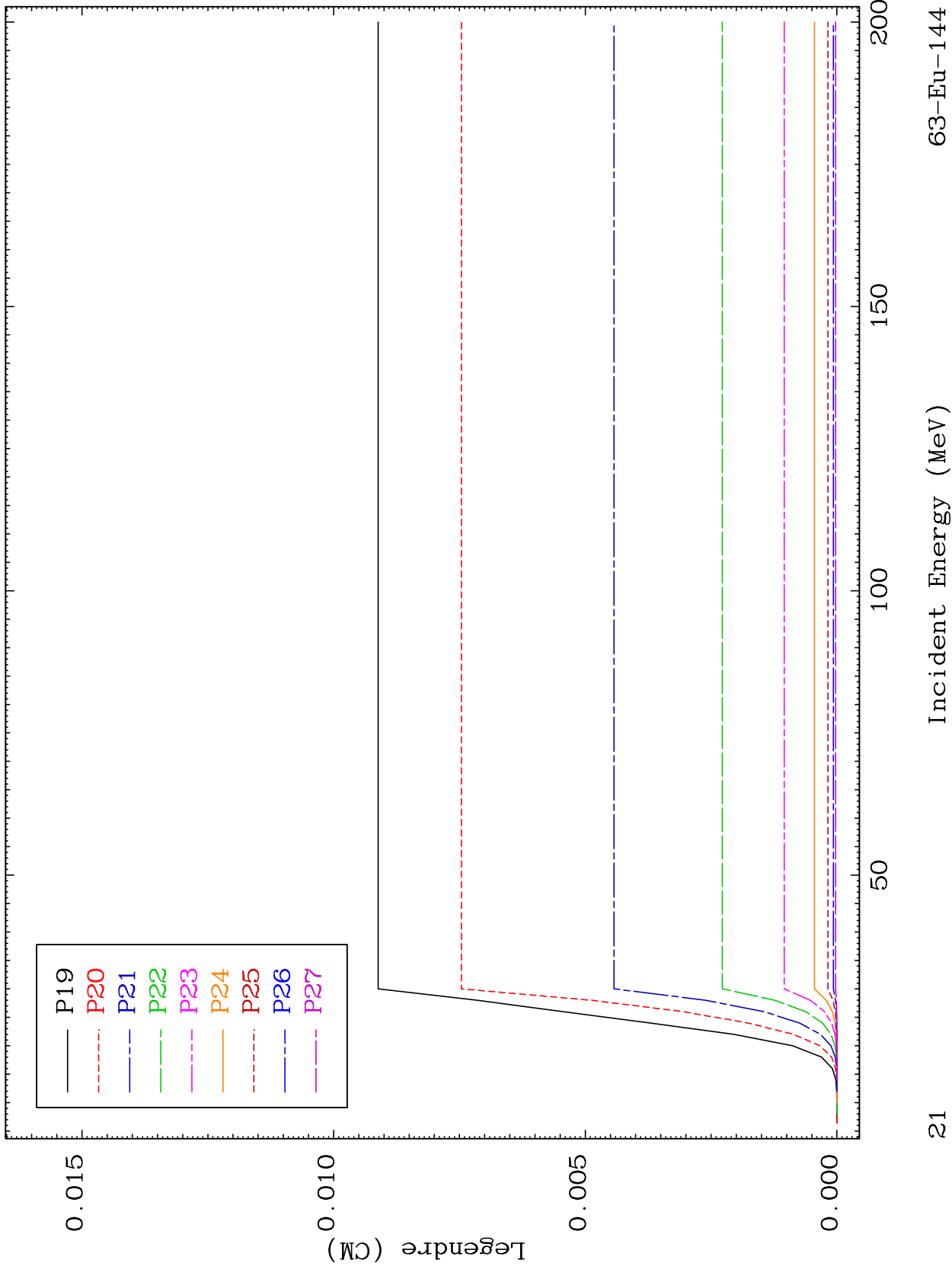
63-Eu-144



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63-Eu-144

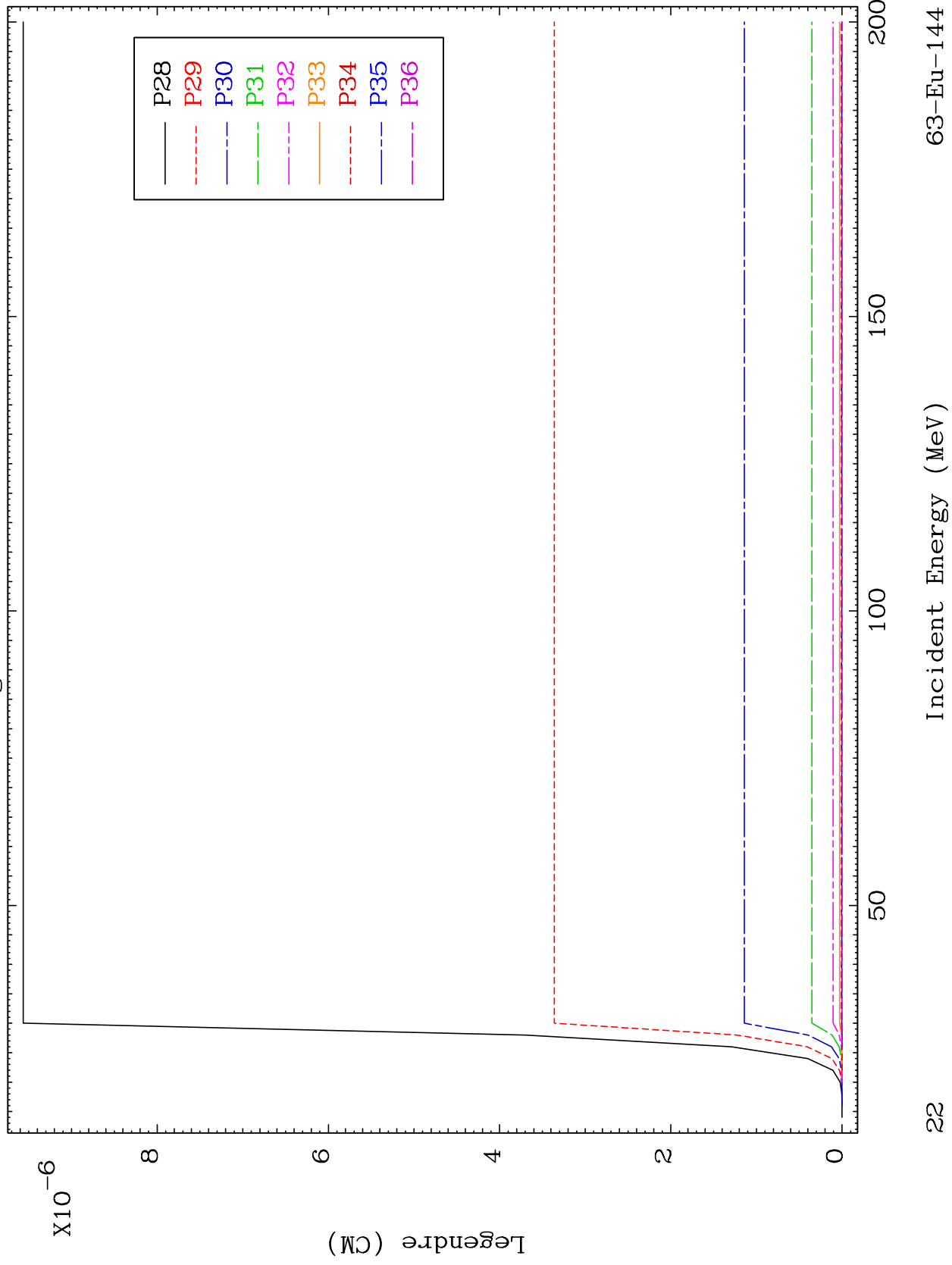




MAT 6304

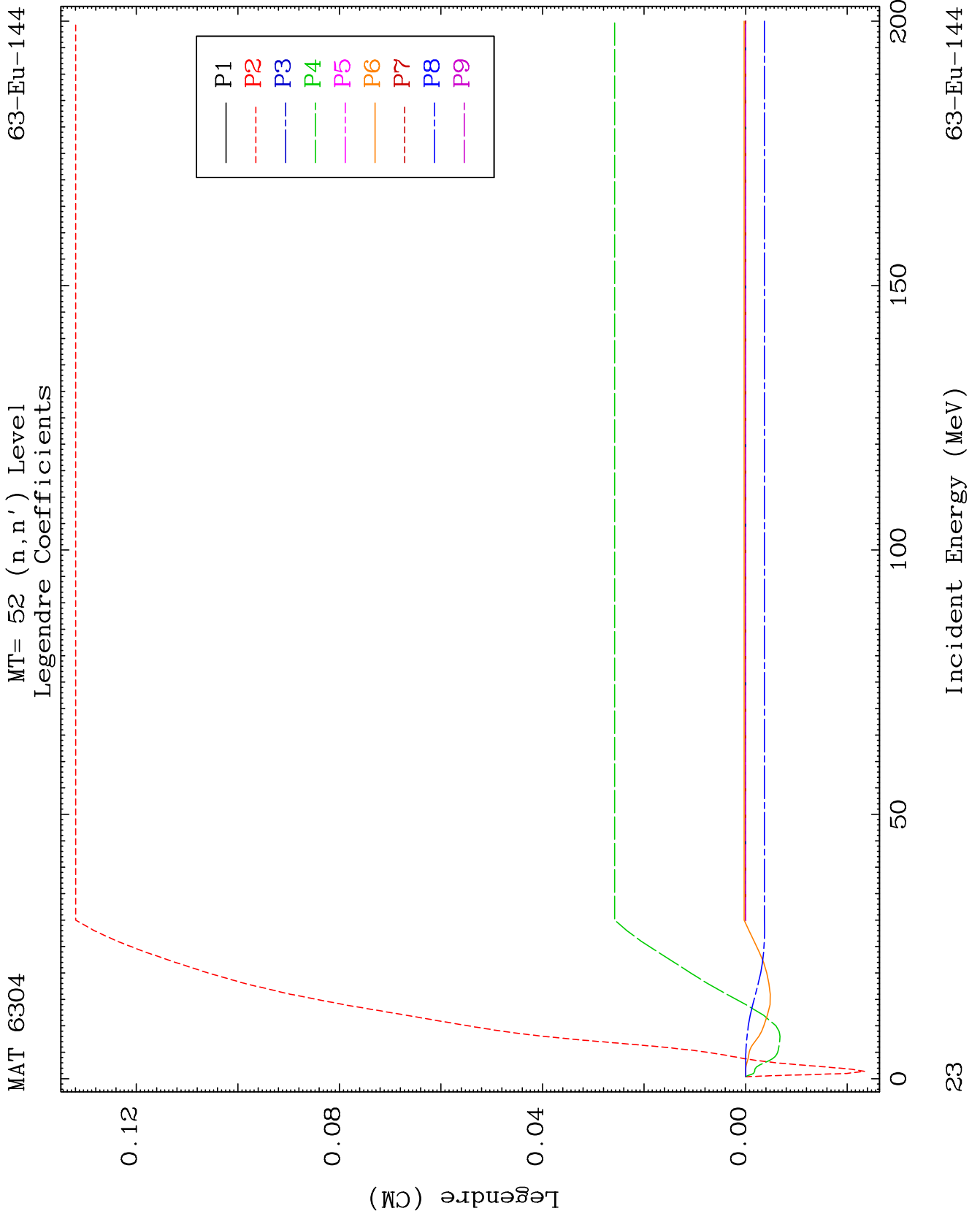
MT= 51 (n,n') Level  
Legendre Coefficients

63-Eu-144



22

63-Eu-144

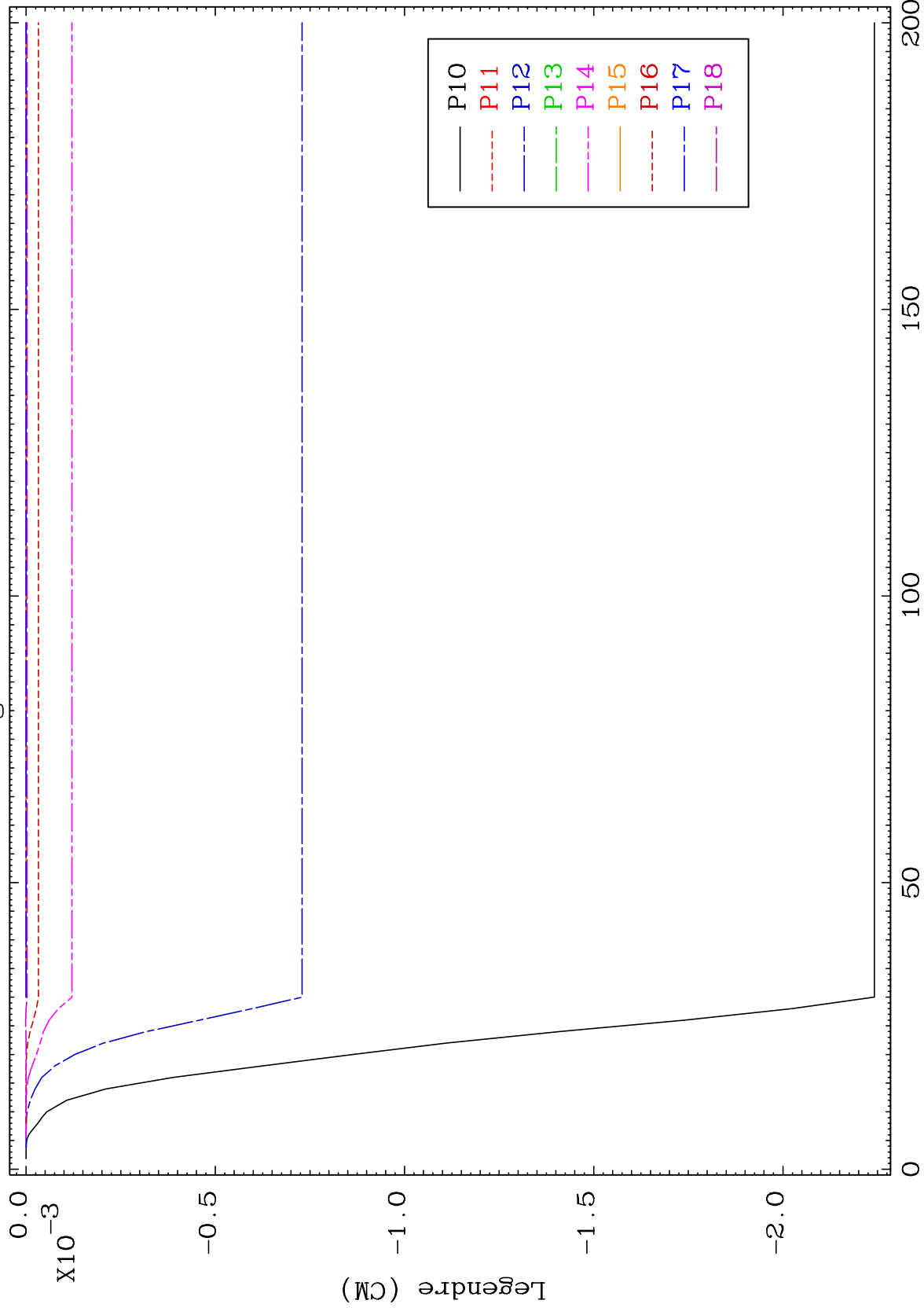




MAT 6304

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

63-Eu-144



24

Incident Energy (MeV)

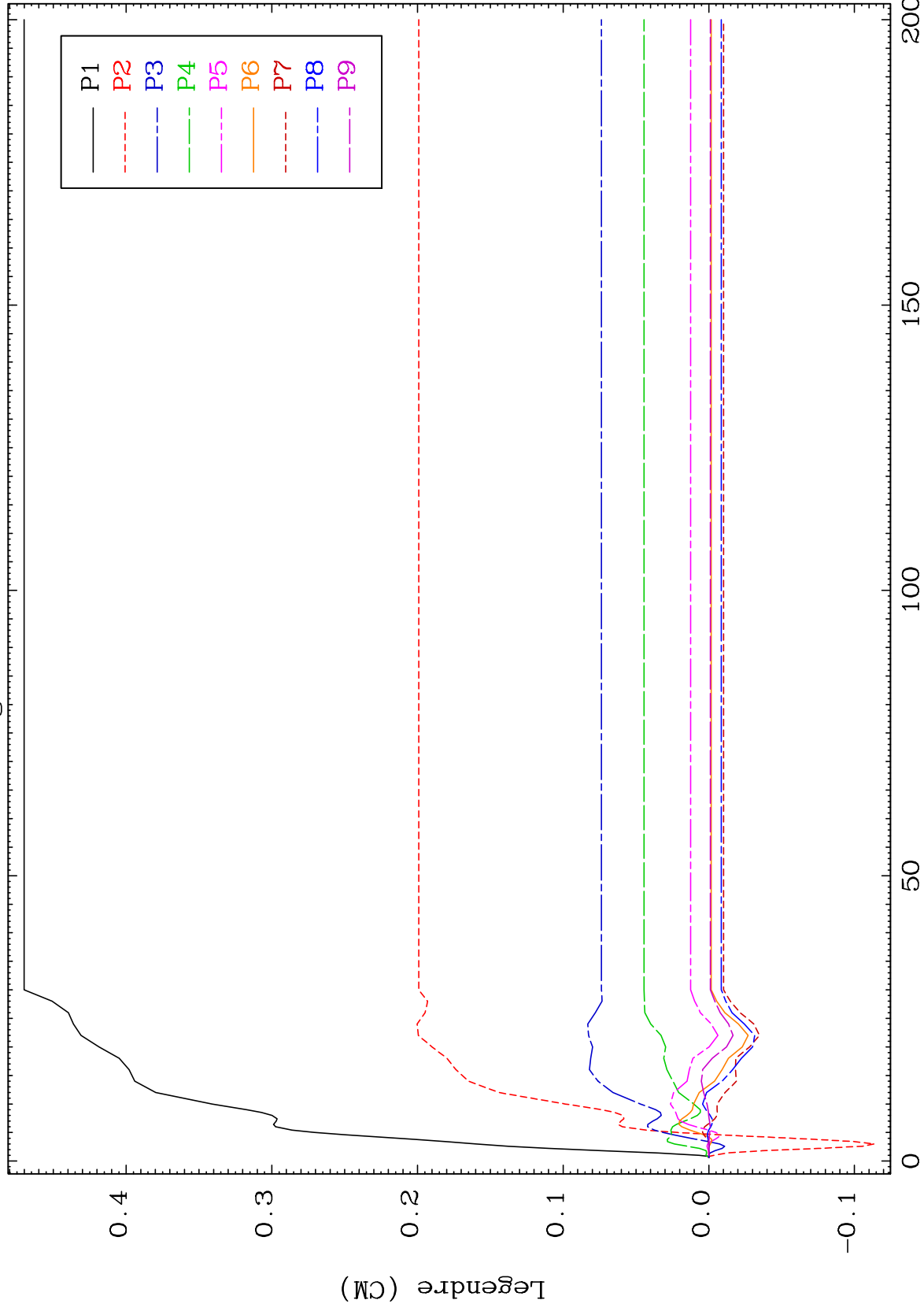
63-Eu-144



MAT 6304

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

63-Eu-144



26

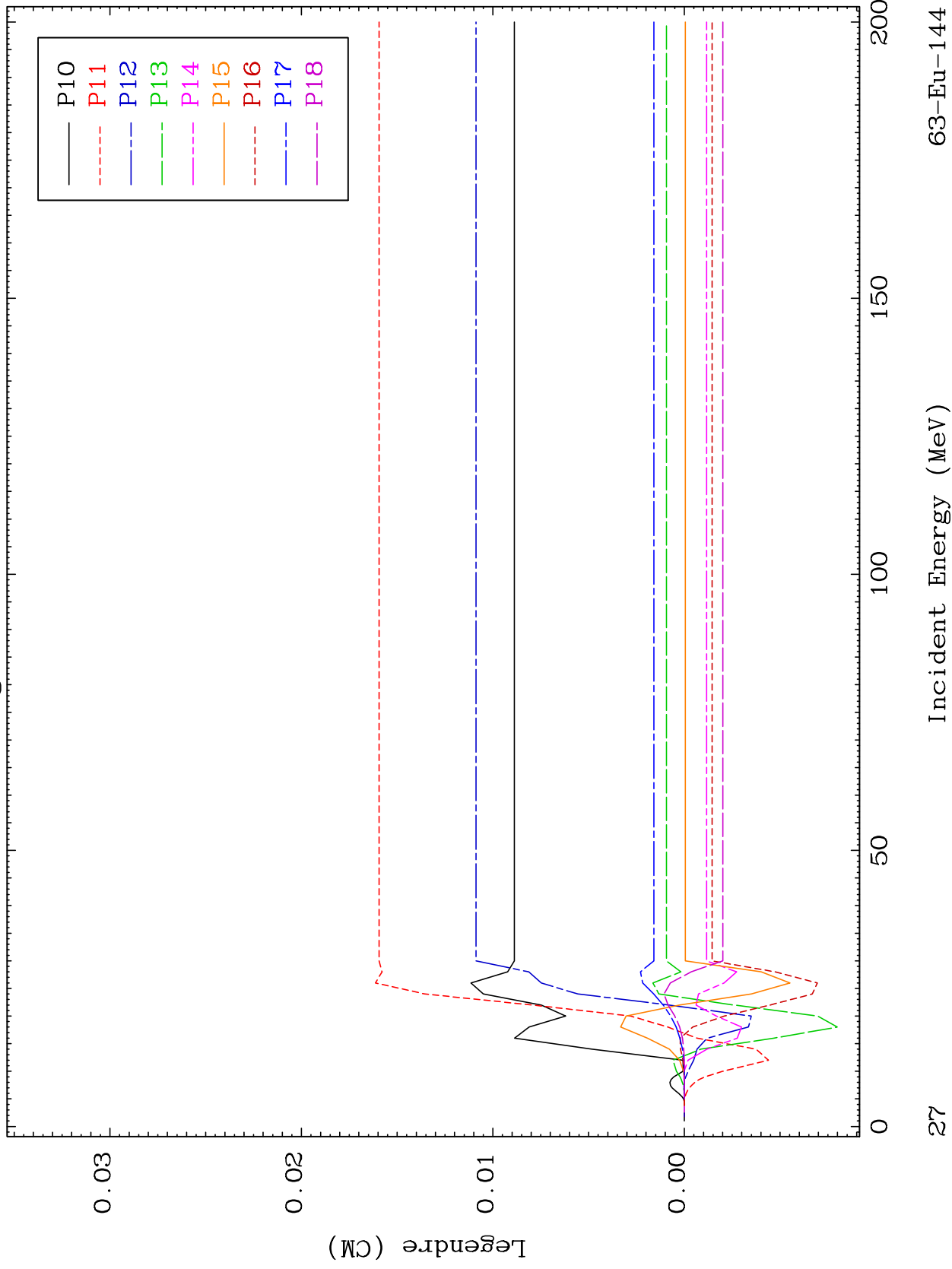
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



27

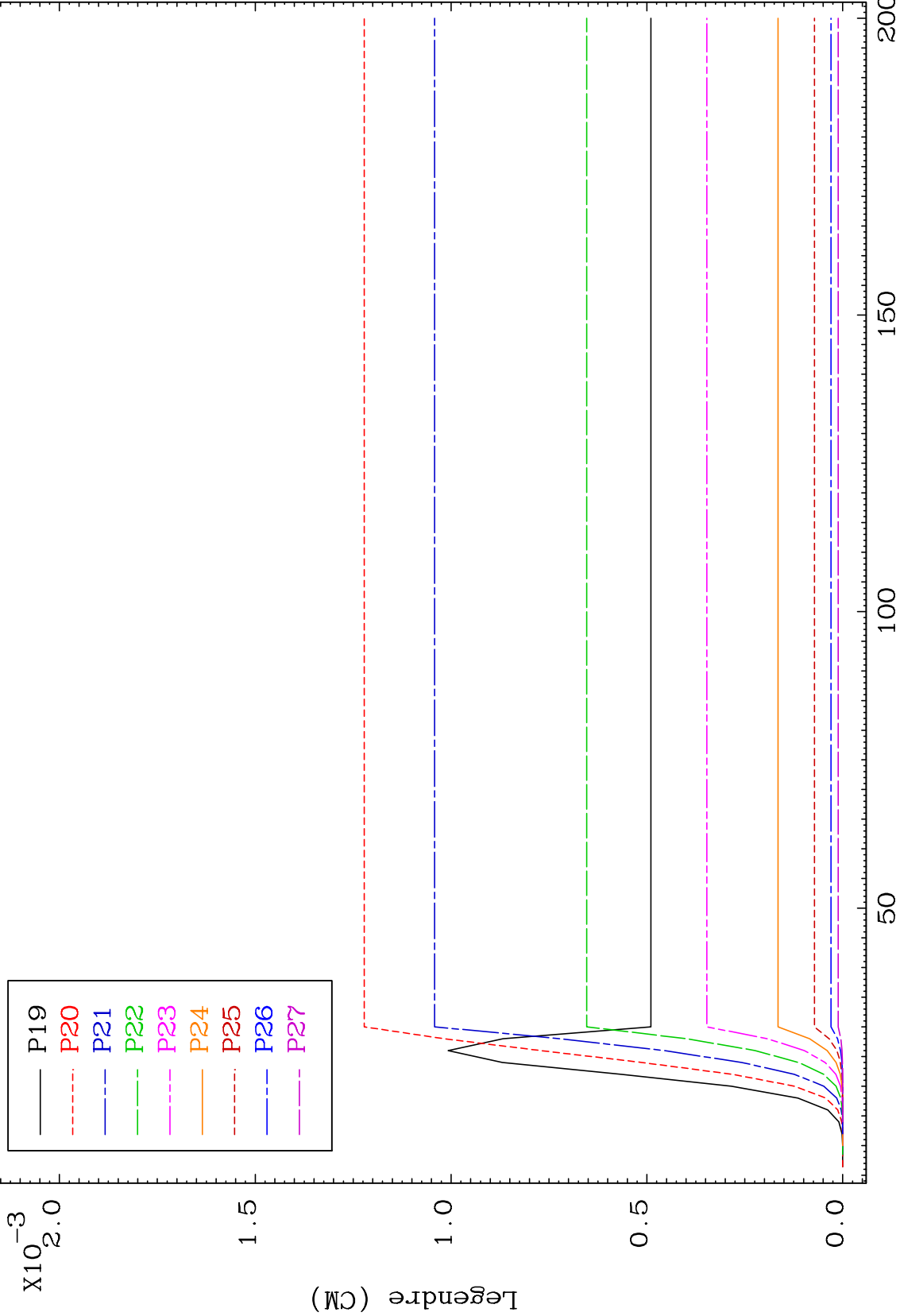
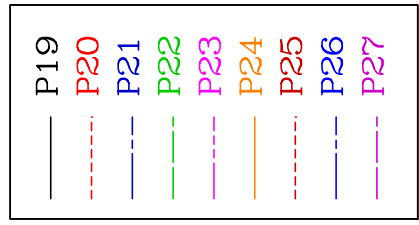
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



28

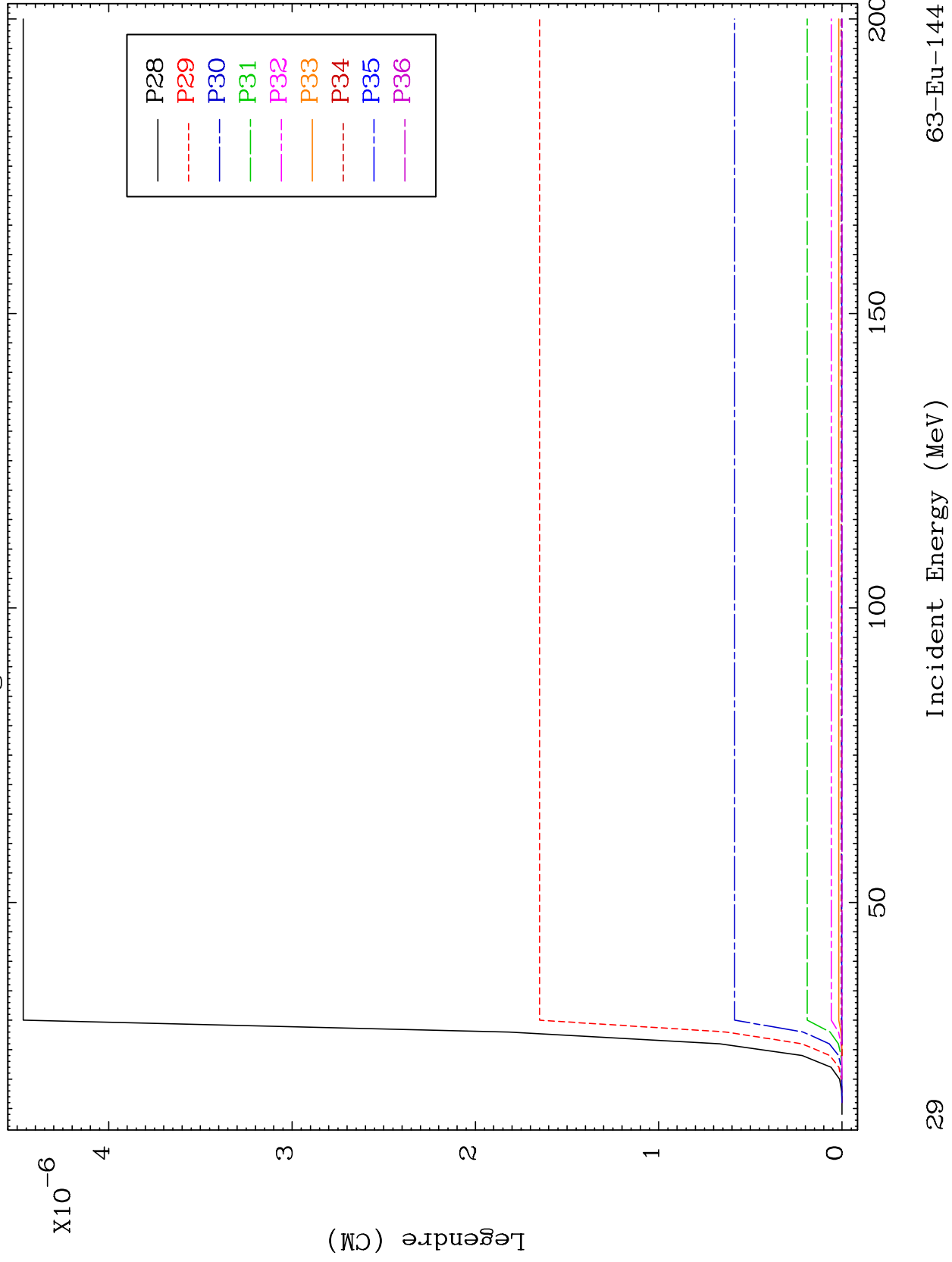
Incident Energy (MeV)

63-Eu-144

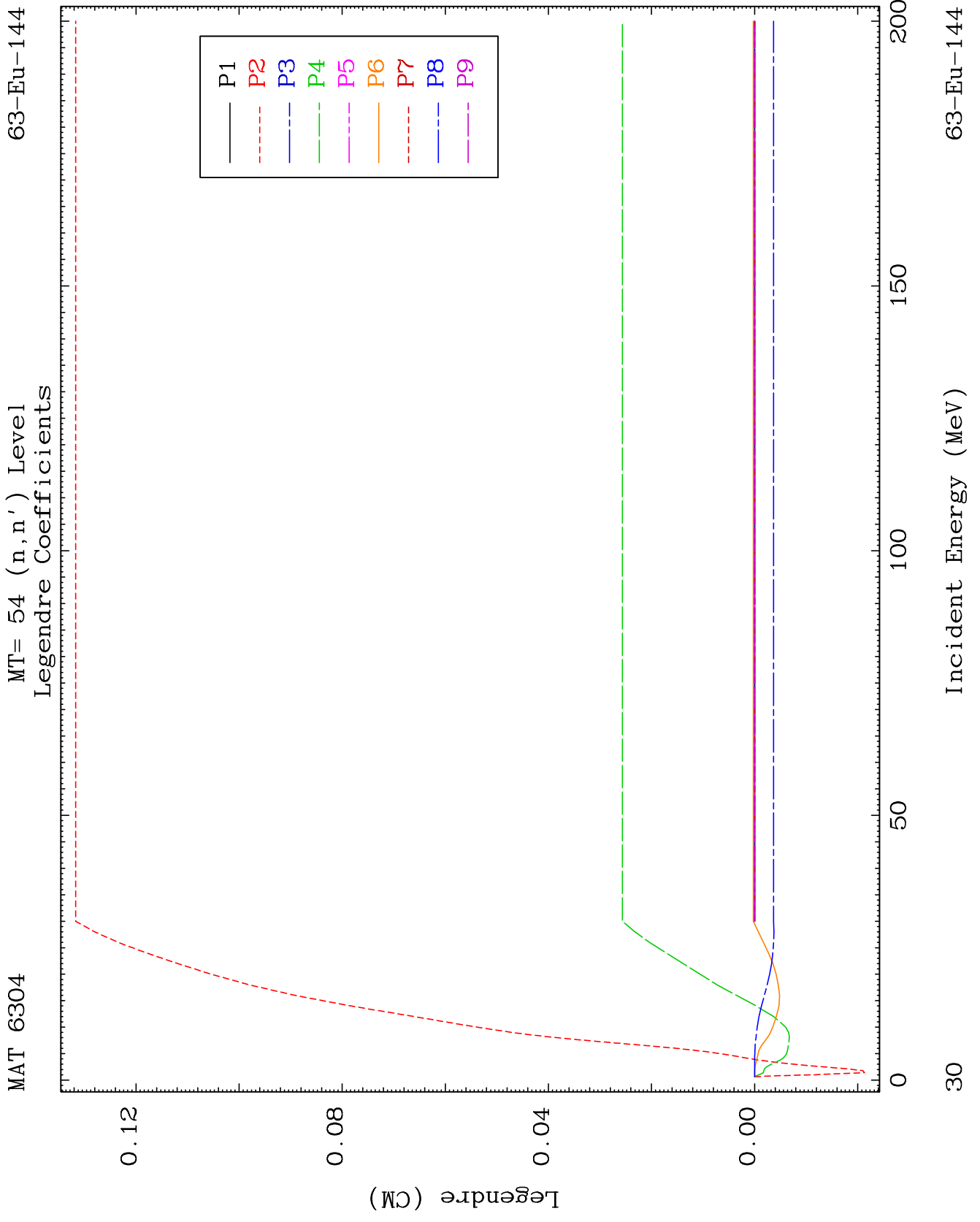
MAT 6304

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

63-Eu-144



29

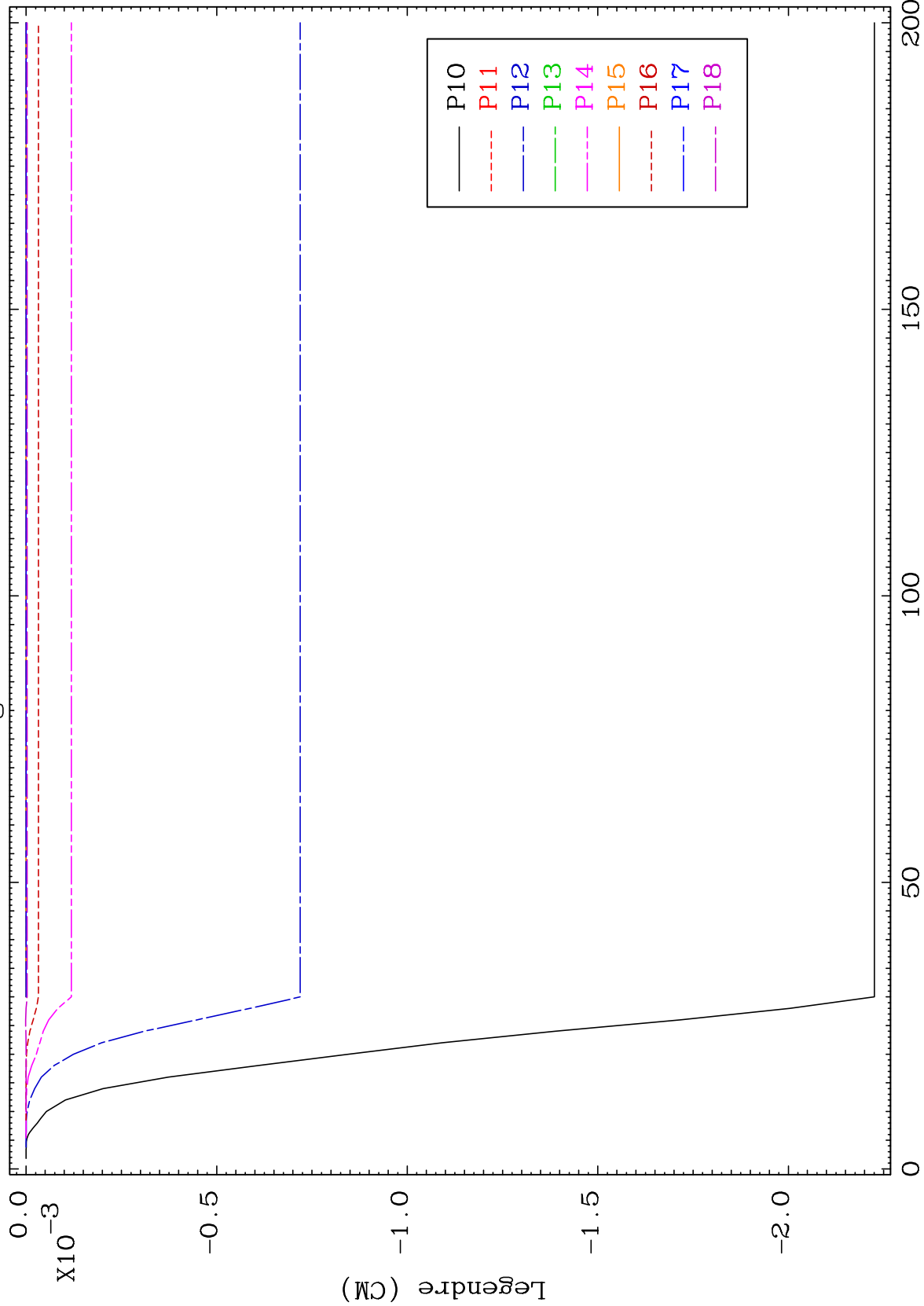


MAT 6304

MT= 54 (n,n') Level

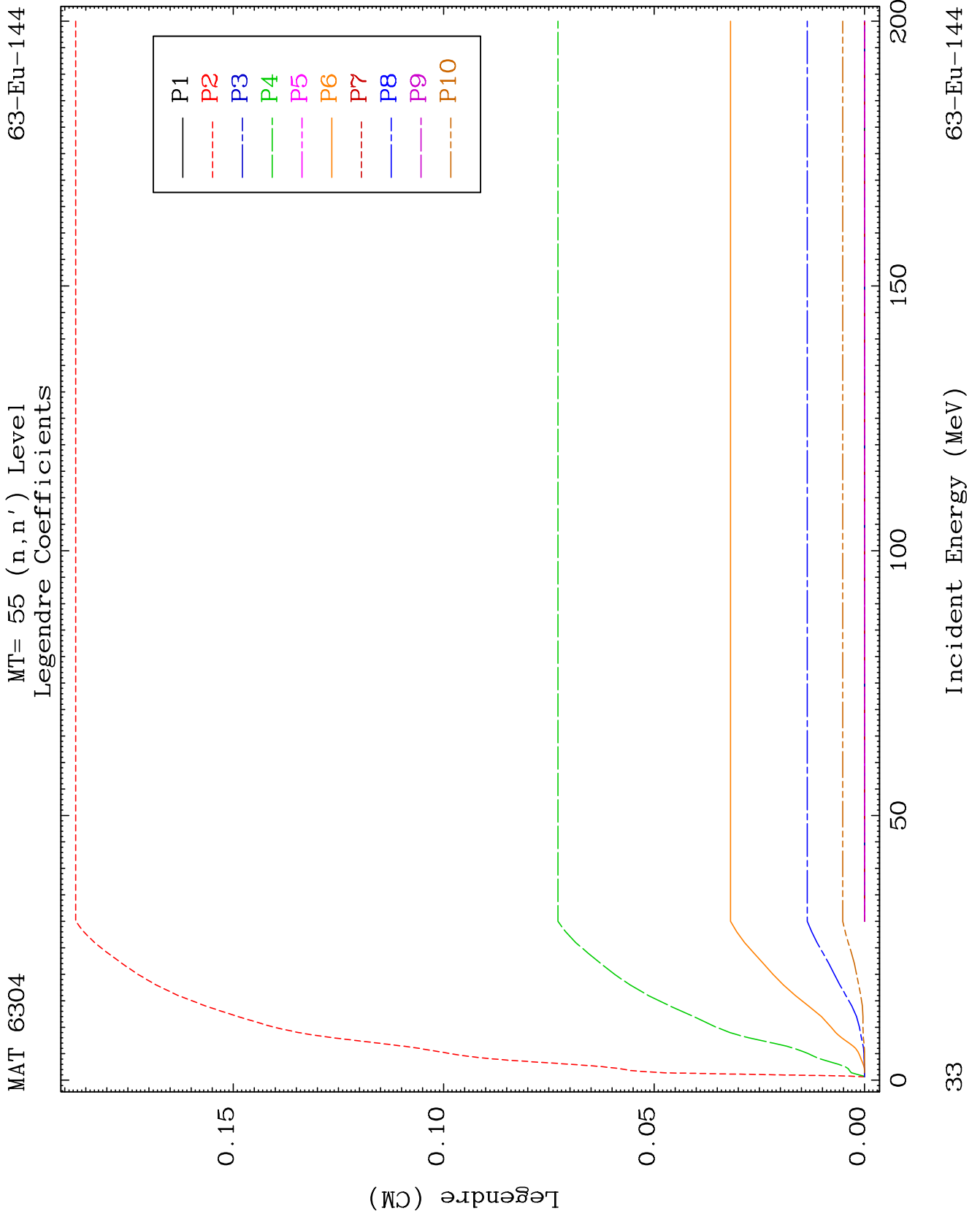
63-Eu-144

Legendre Coefficients





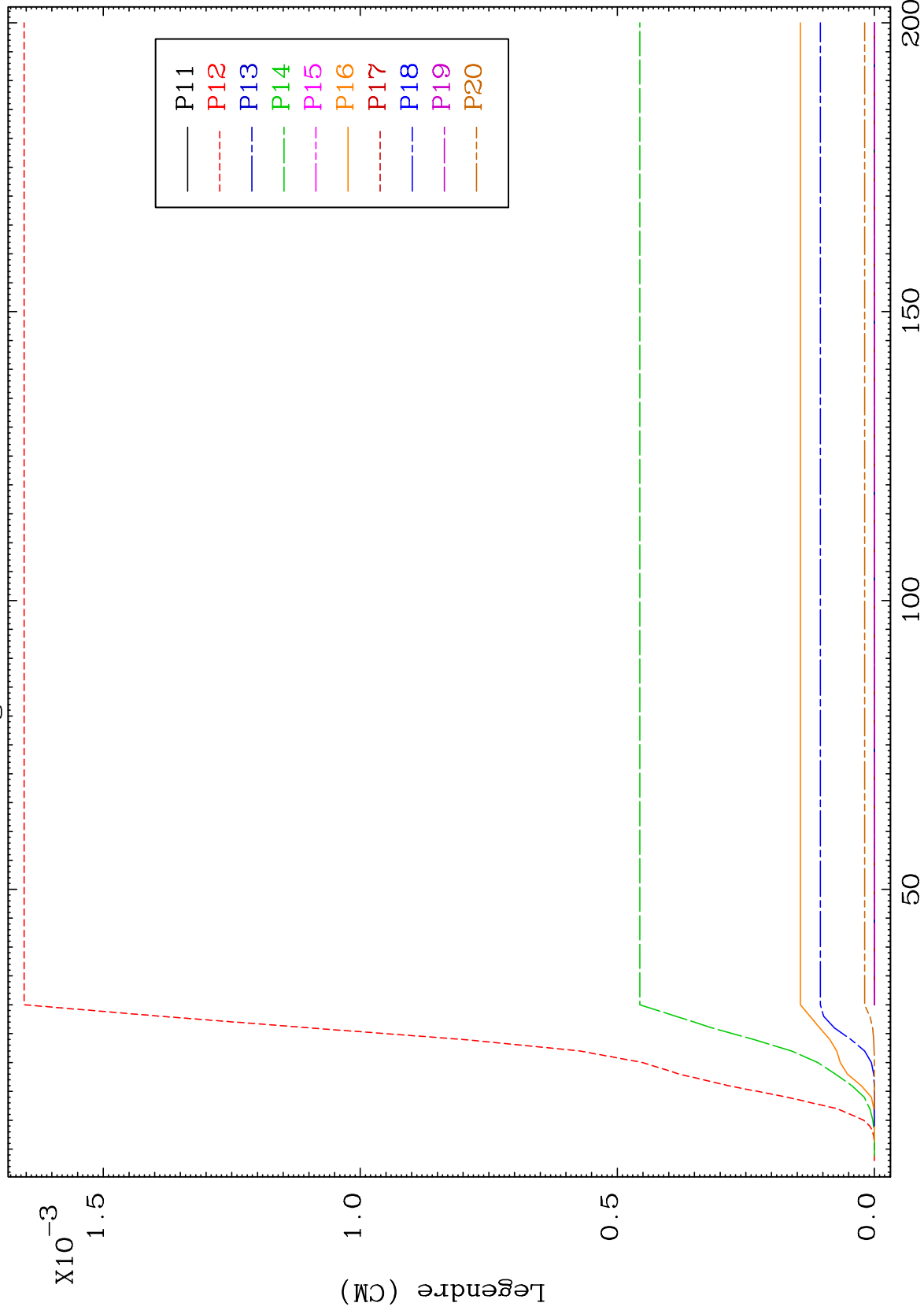




MAT 6304

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

63-Eu-144



34

Incident Energy (MeV)

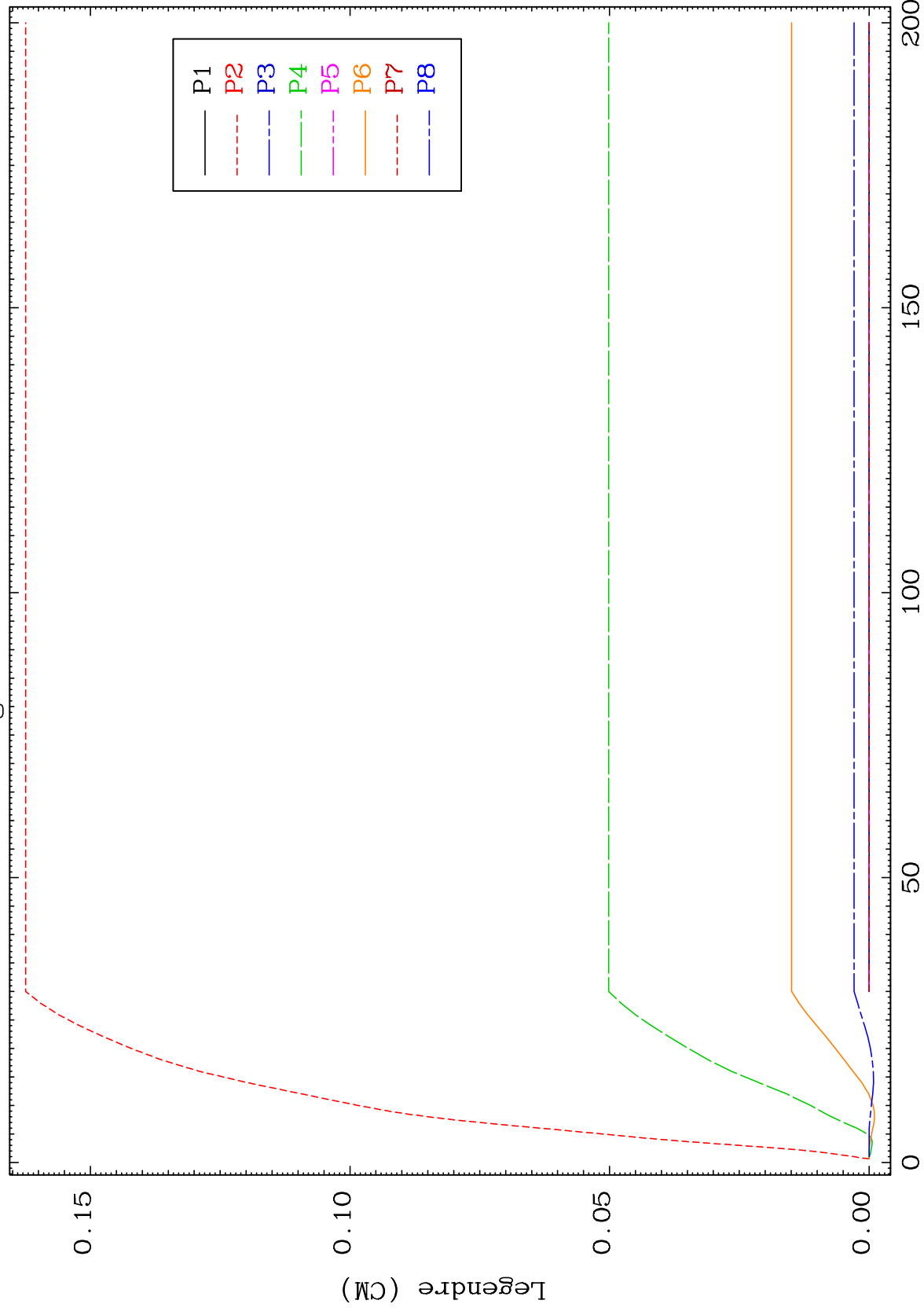
63-Eu-144



MAT 6304

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

63-Eu-144



36

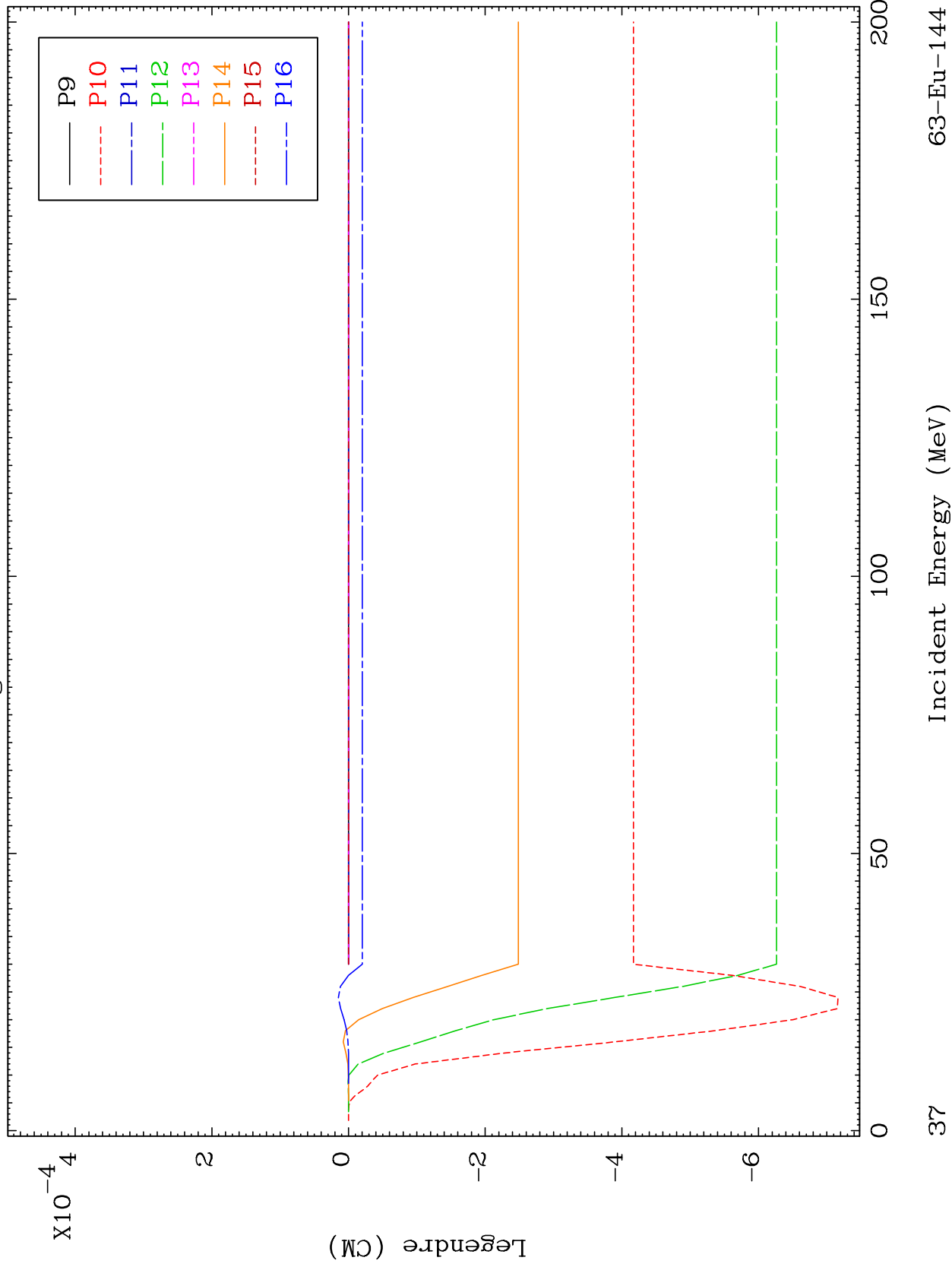
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

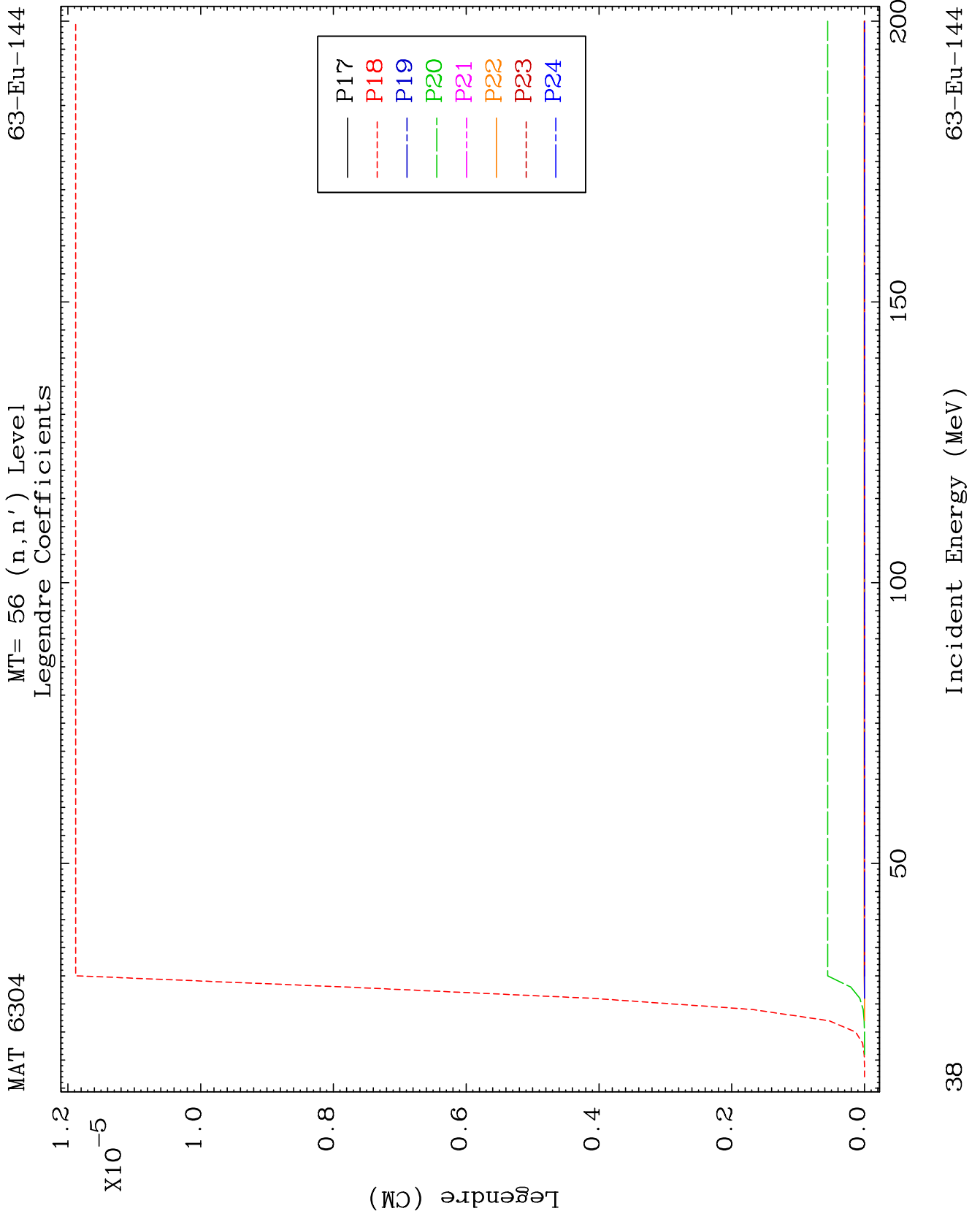
63-Eu-144



37

Incident Energy (MeV)

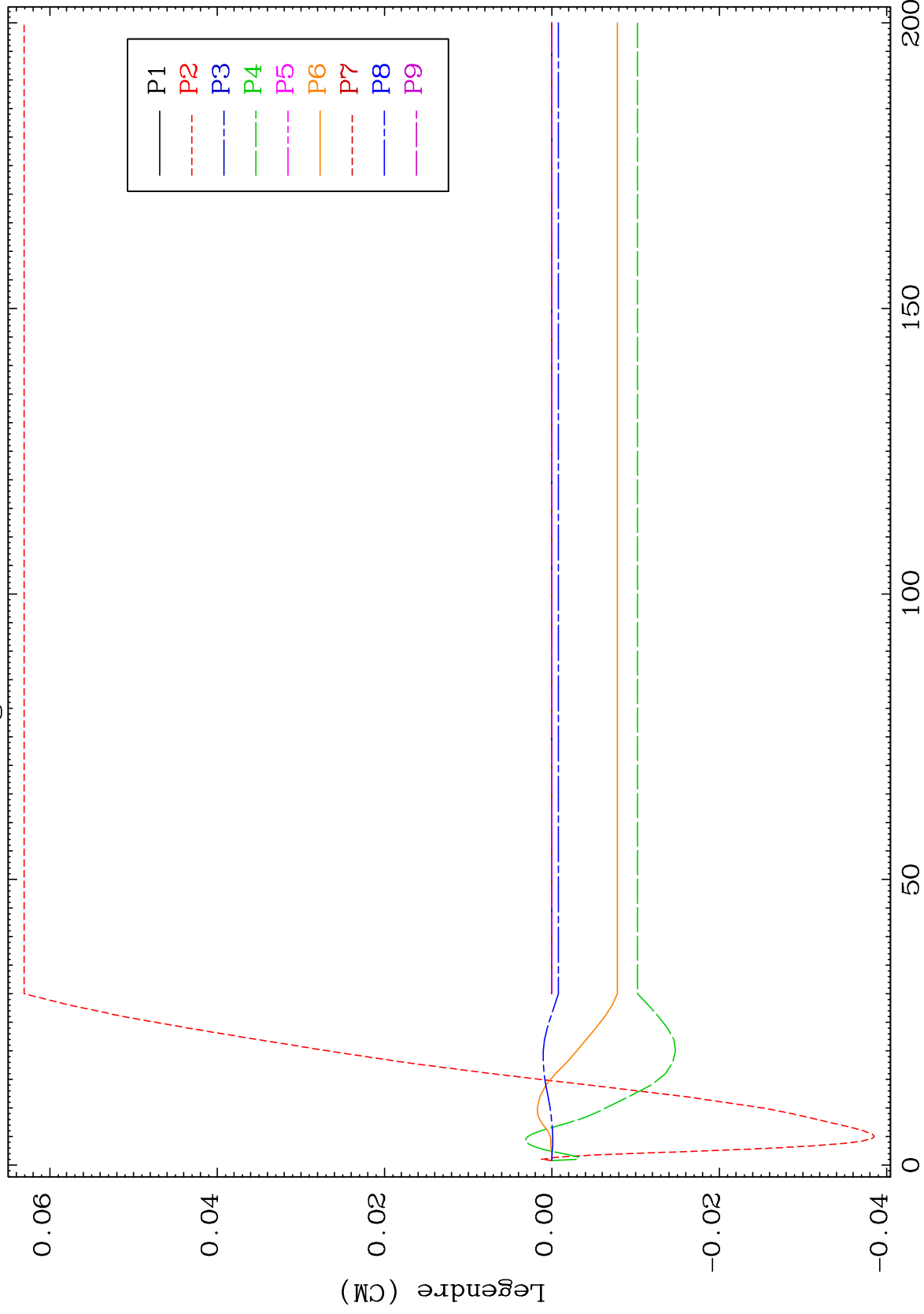
63-Eu-144



MAT 6304

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

63-Eu-144



39

Incident Energy (MeV)

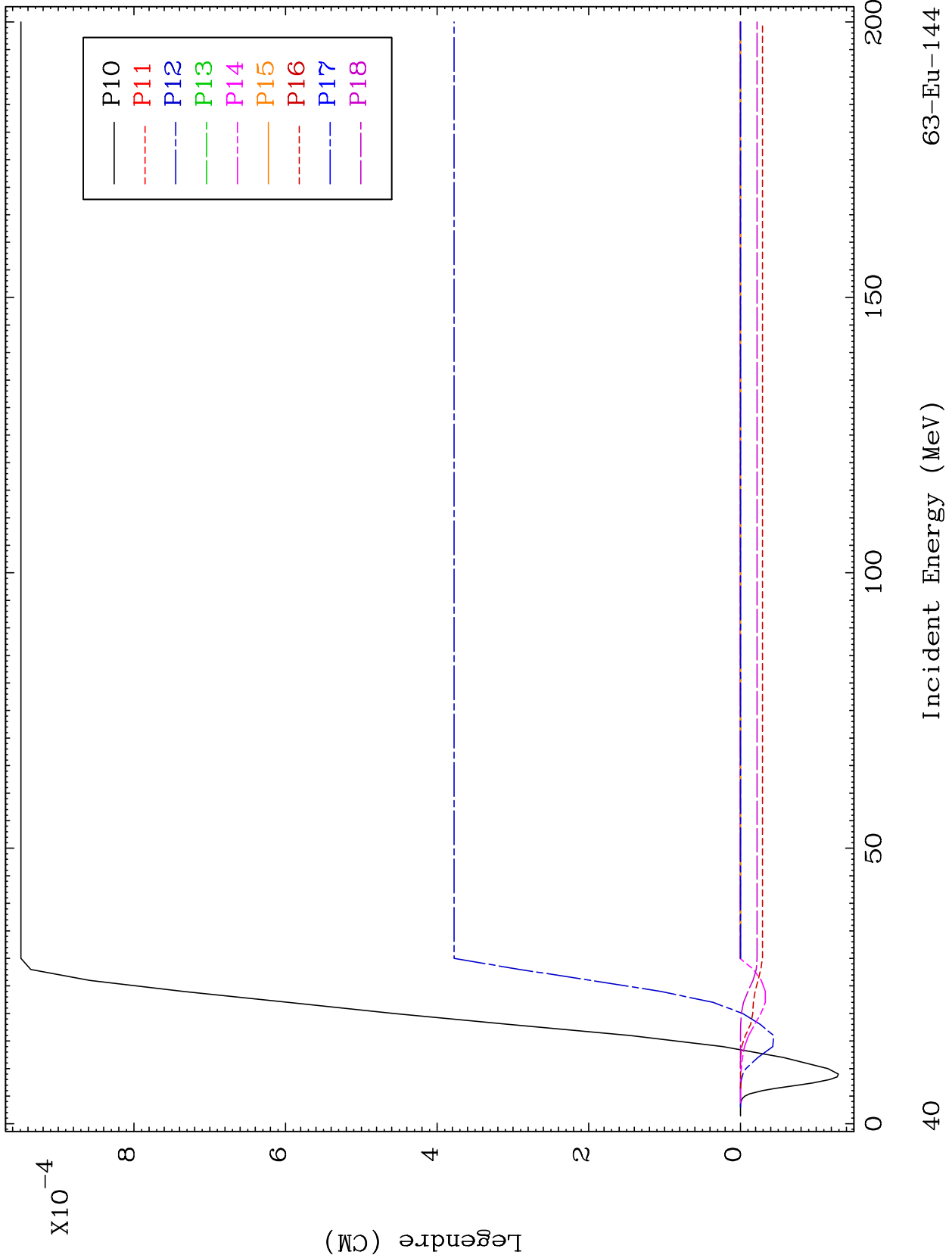
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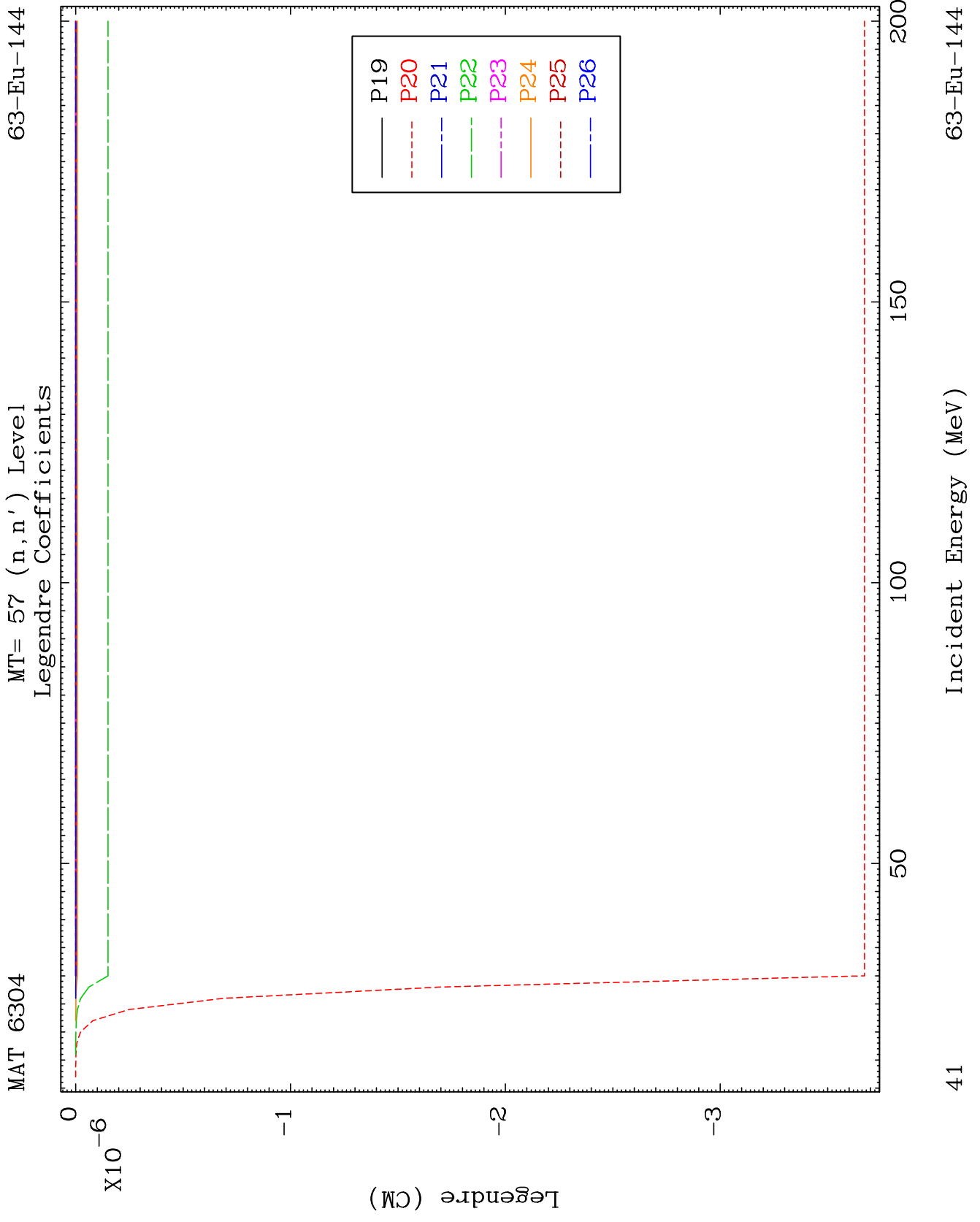


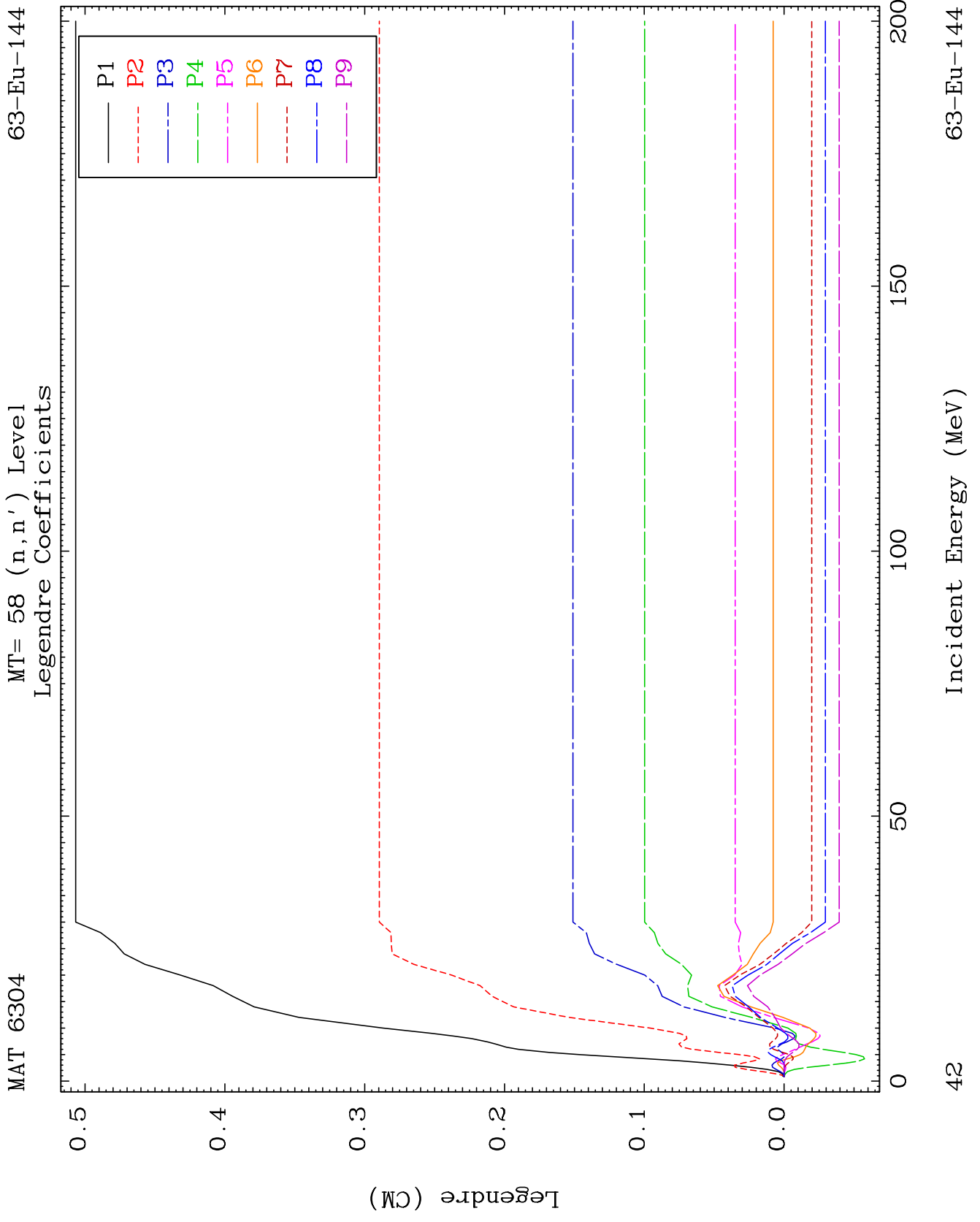
MAT 6304

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

63-Eu-144



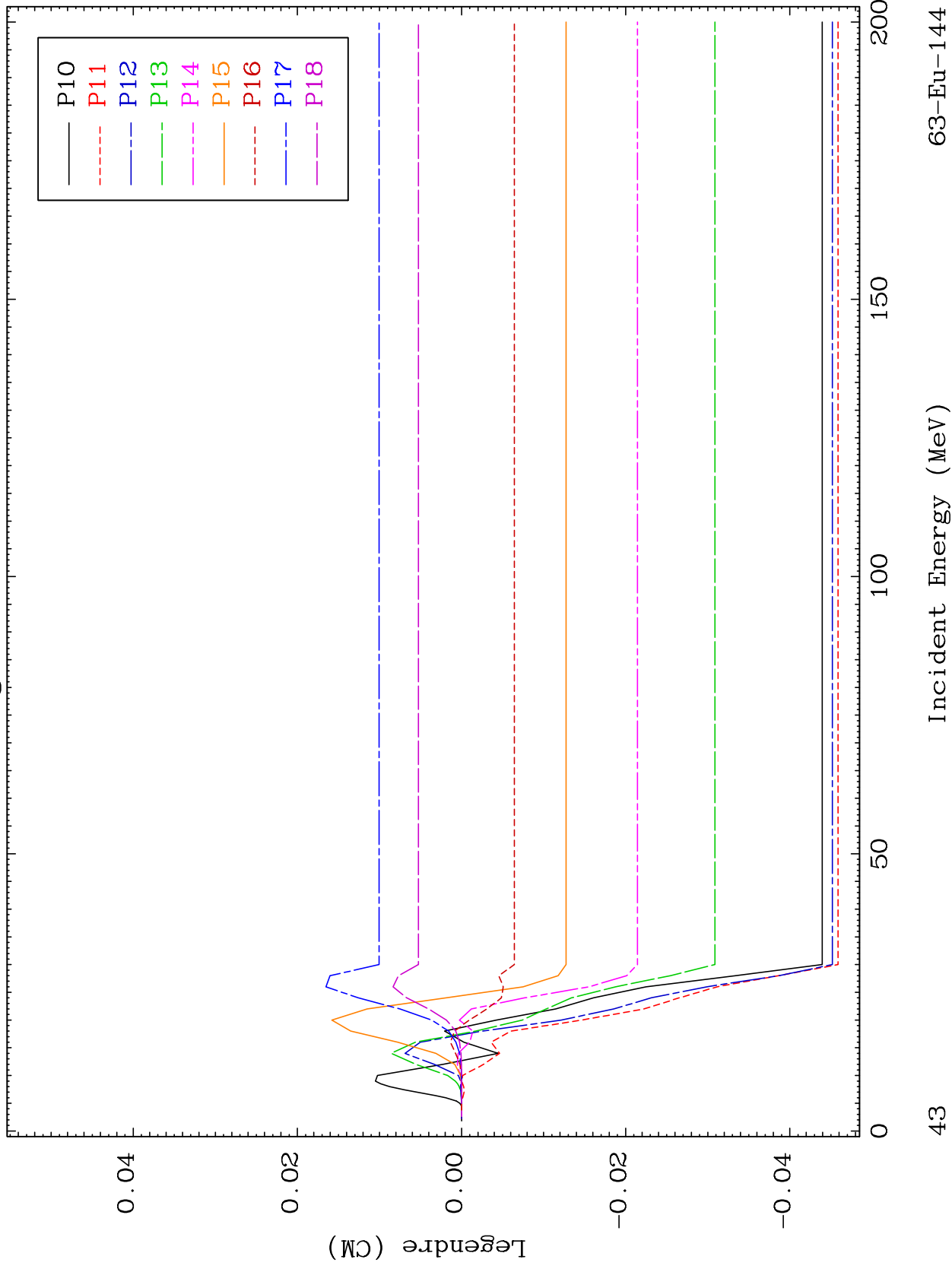




MAT 6304

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

63-Eu-144



63-Eu-144

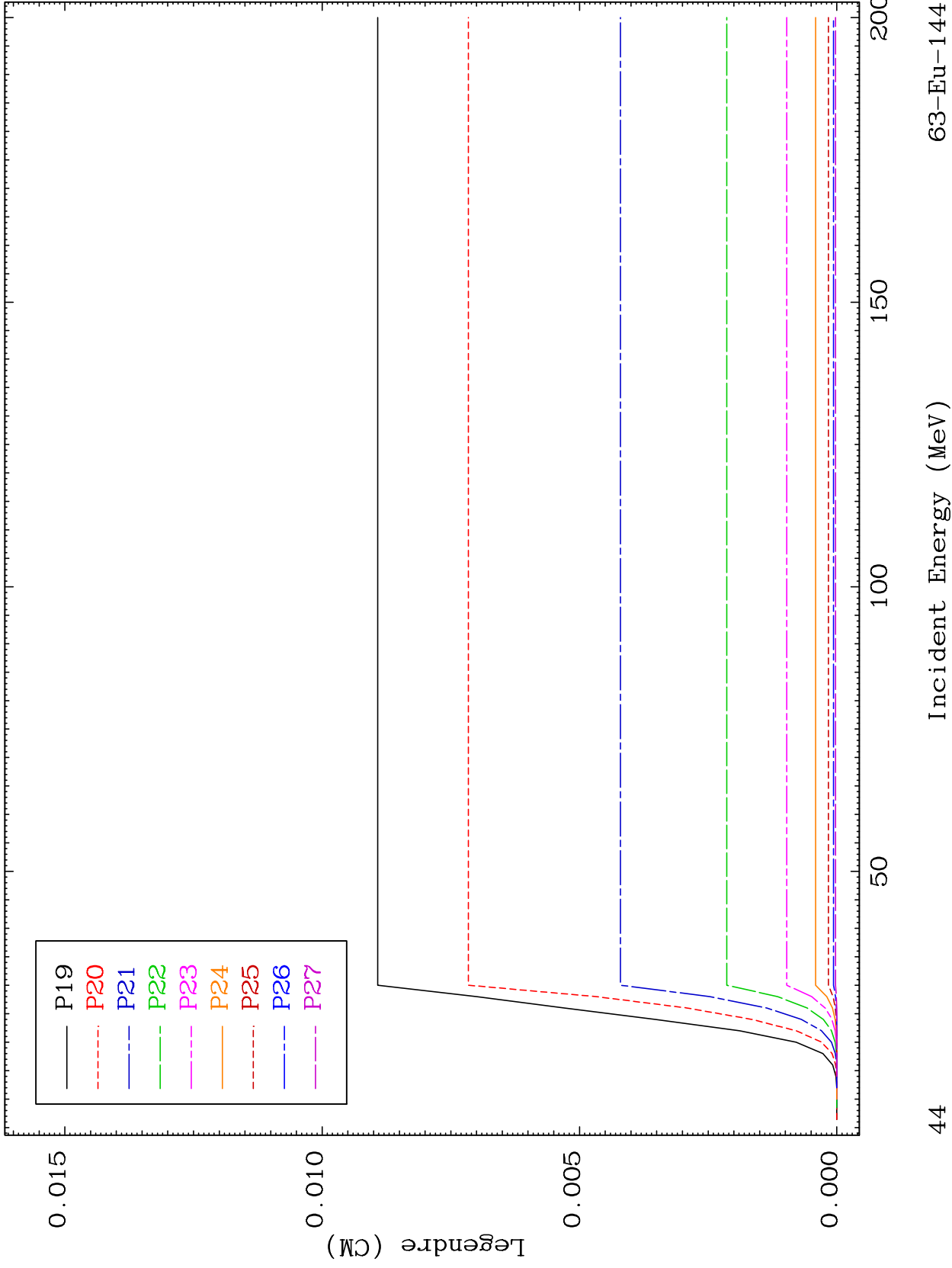
Incident Energy (MeV)

43

MAT 6304

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

63-Eu-144



44

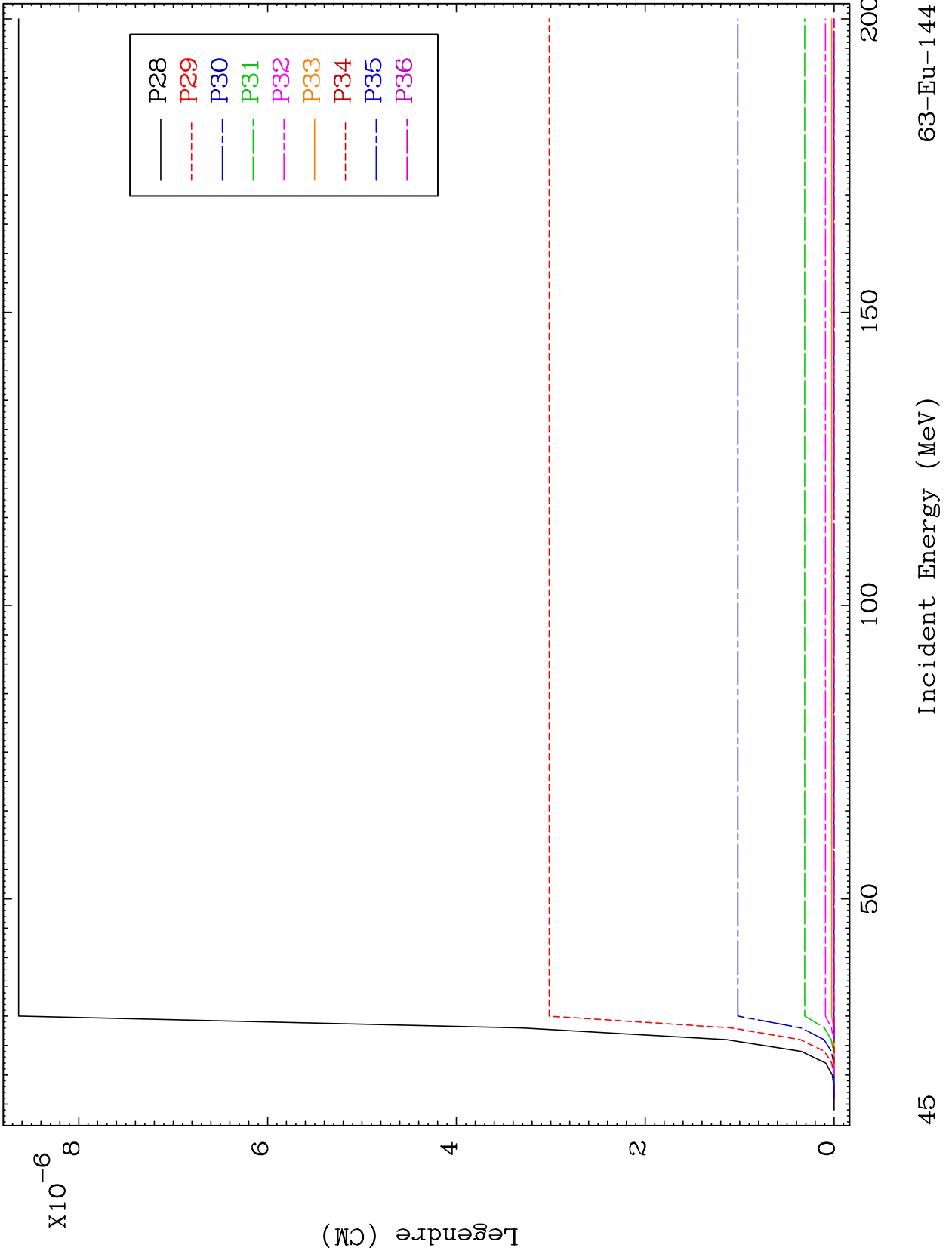
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

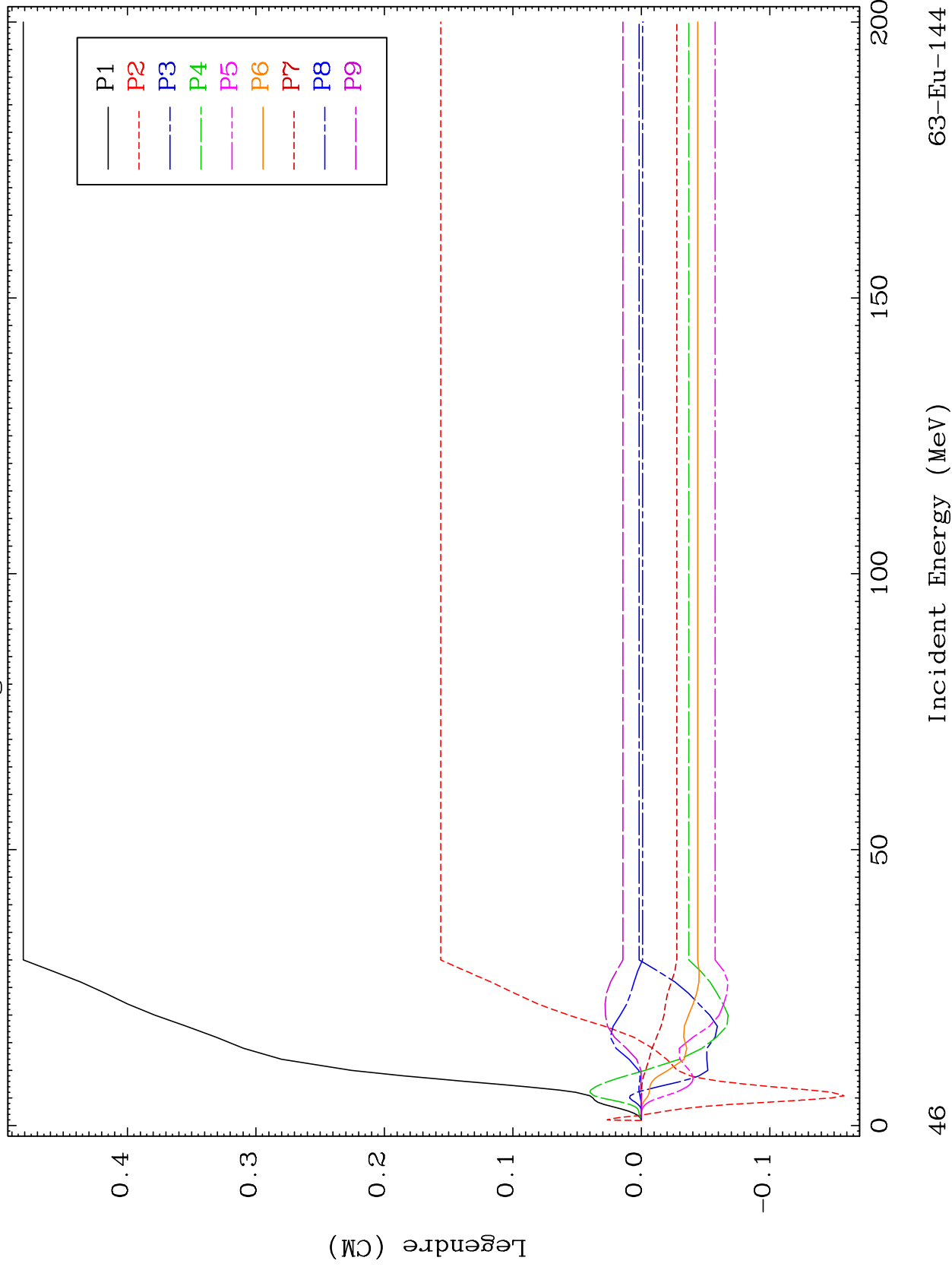
63-Eu-144



MAT 6304

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

63-Eu-144



63-Eu-144

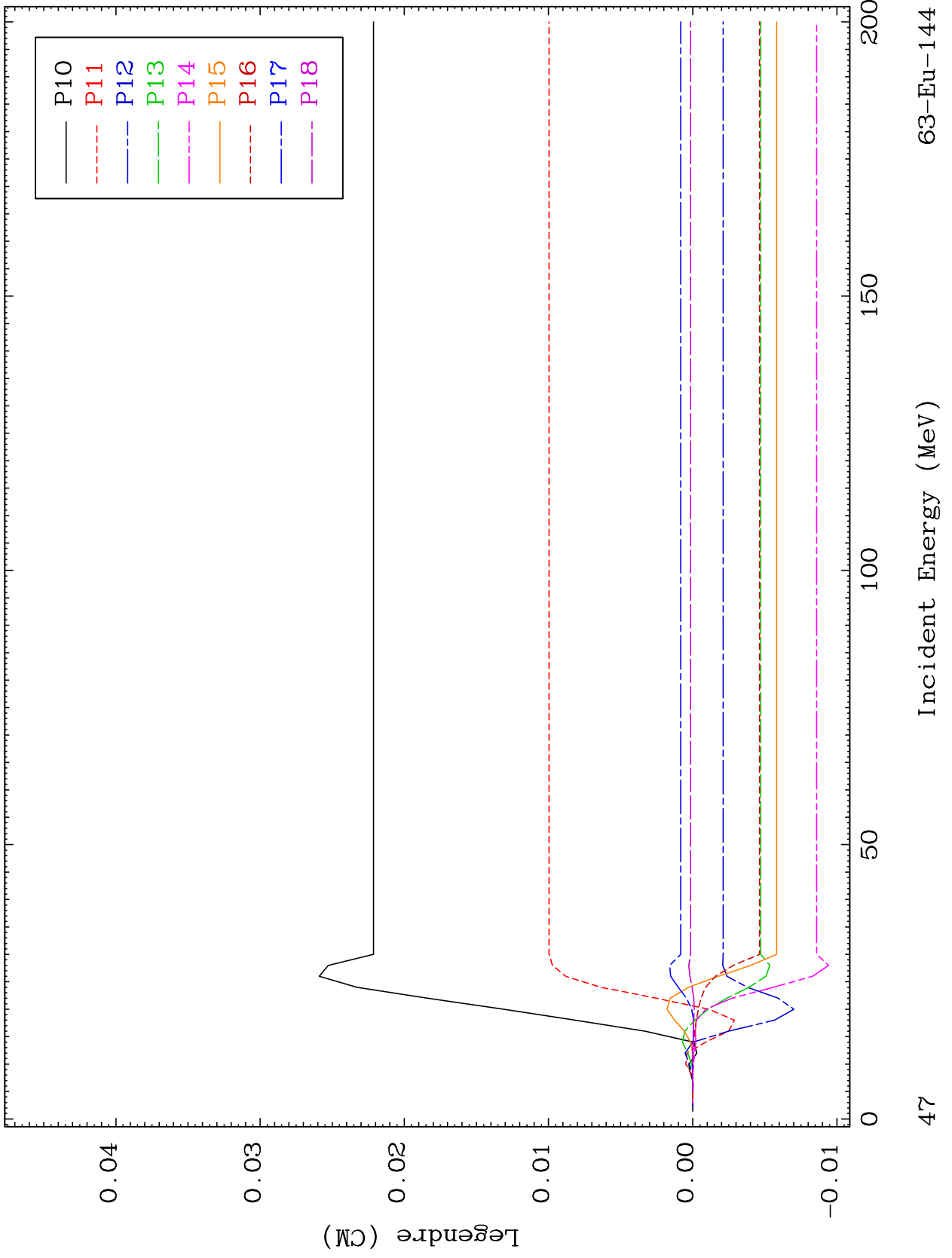
Incident Energy (MeV)

46

MAT 6304

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

63-Eu-144



47

Incident Energy (MeV)

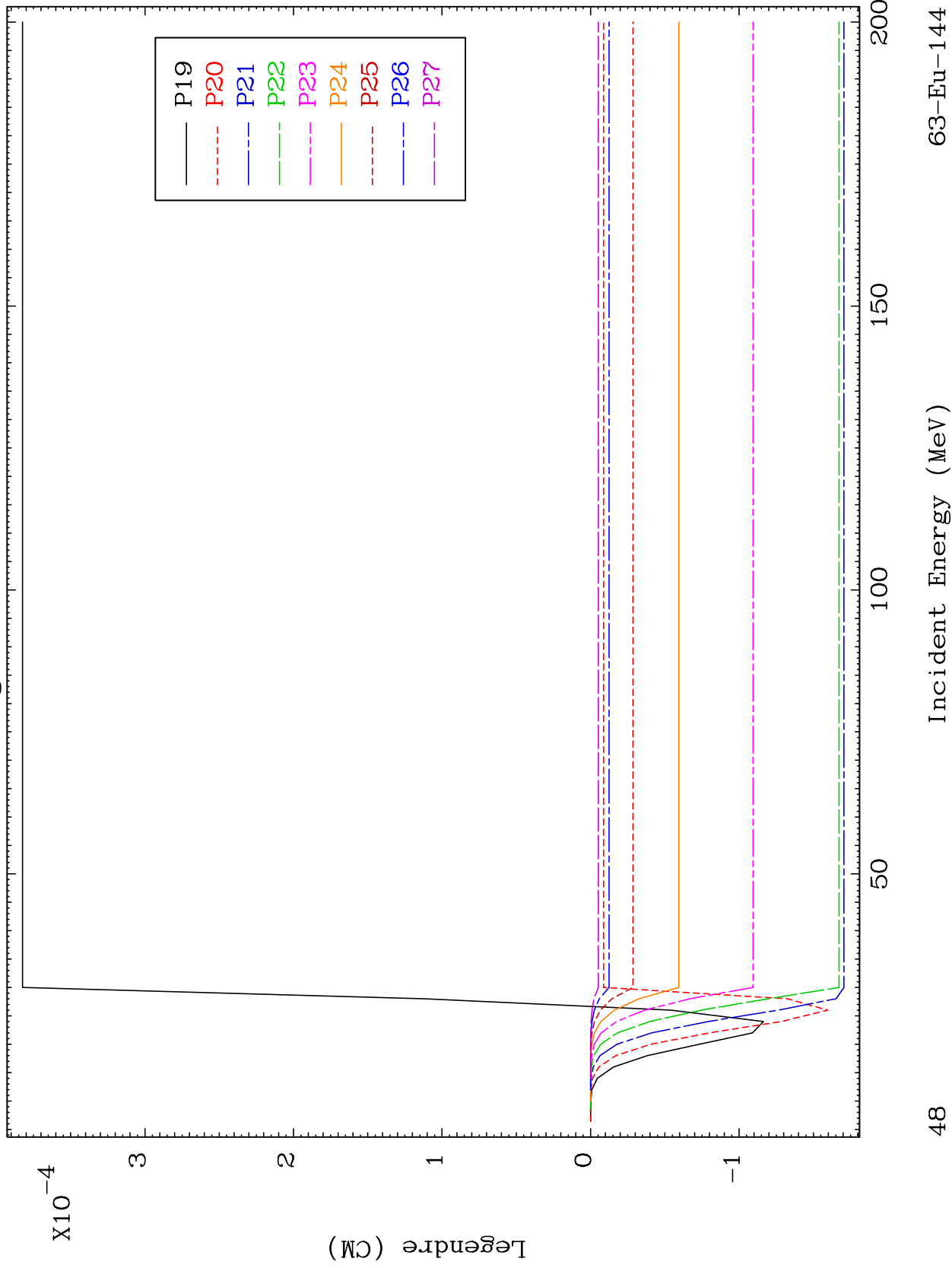
63-Eu-144



MAT 6304

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

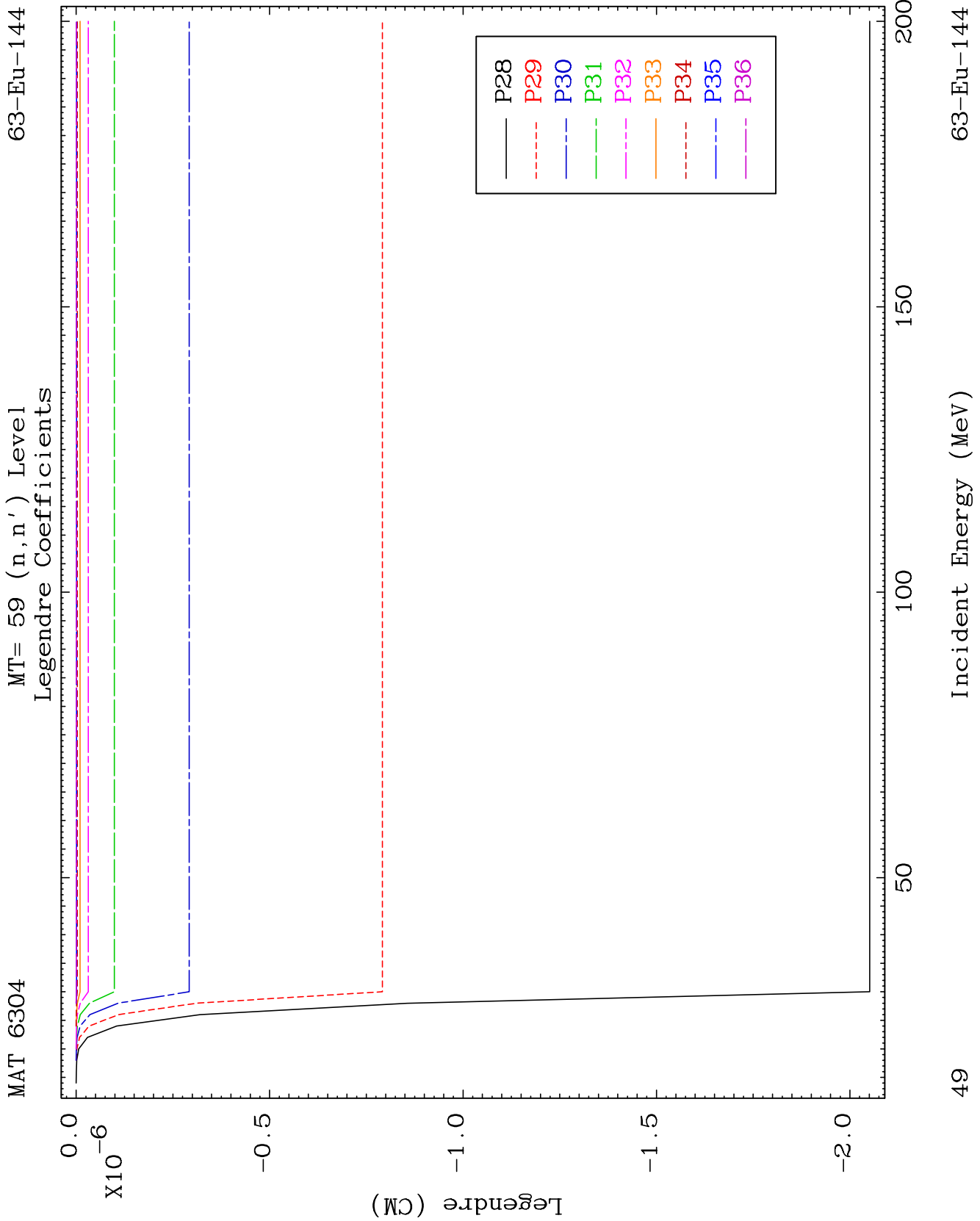
63-Eu-144



48

Incident Energy (MeV)

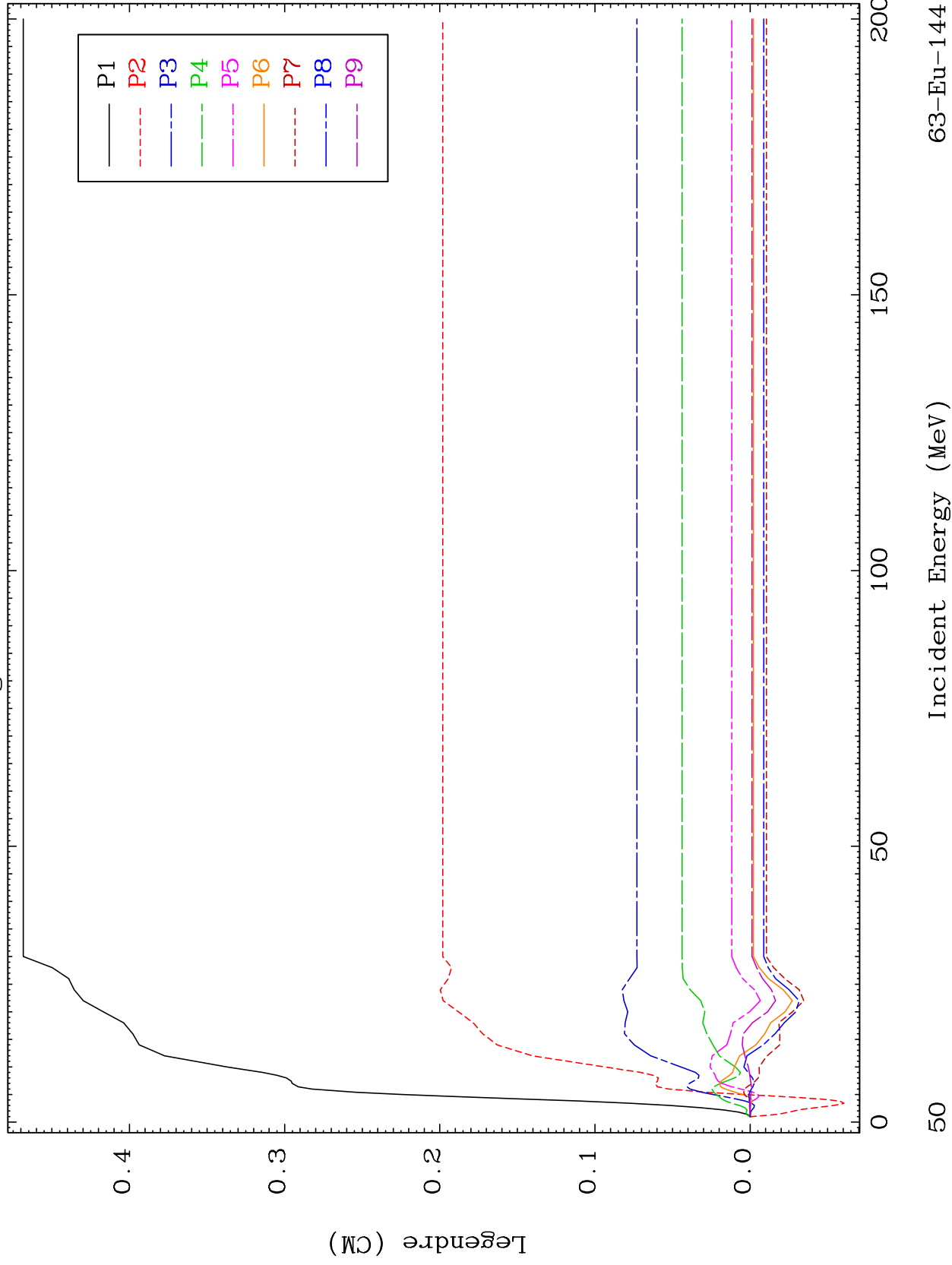
63-Eu-144



MAT 6304

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

63-Eu-144

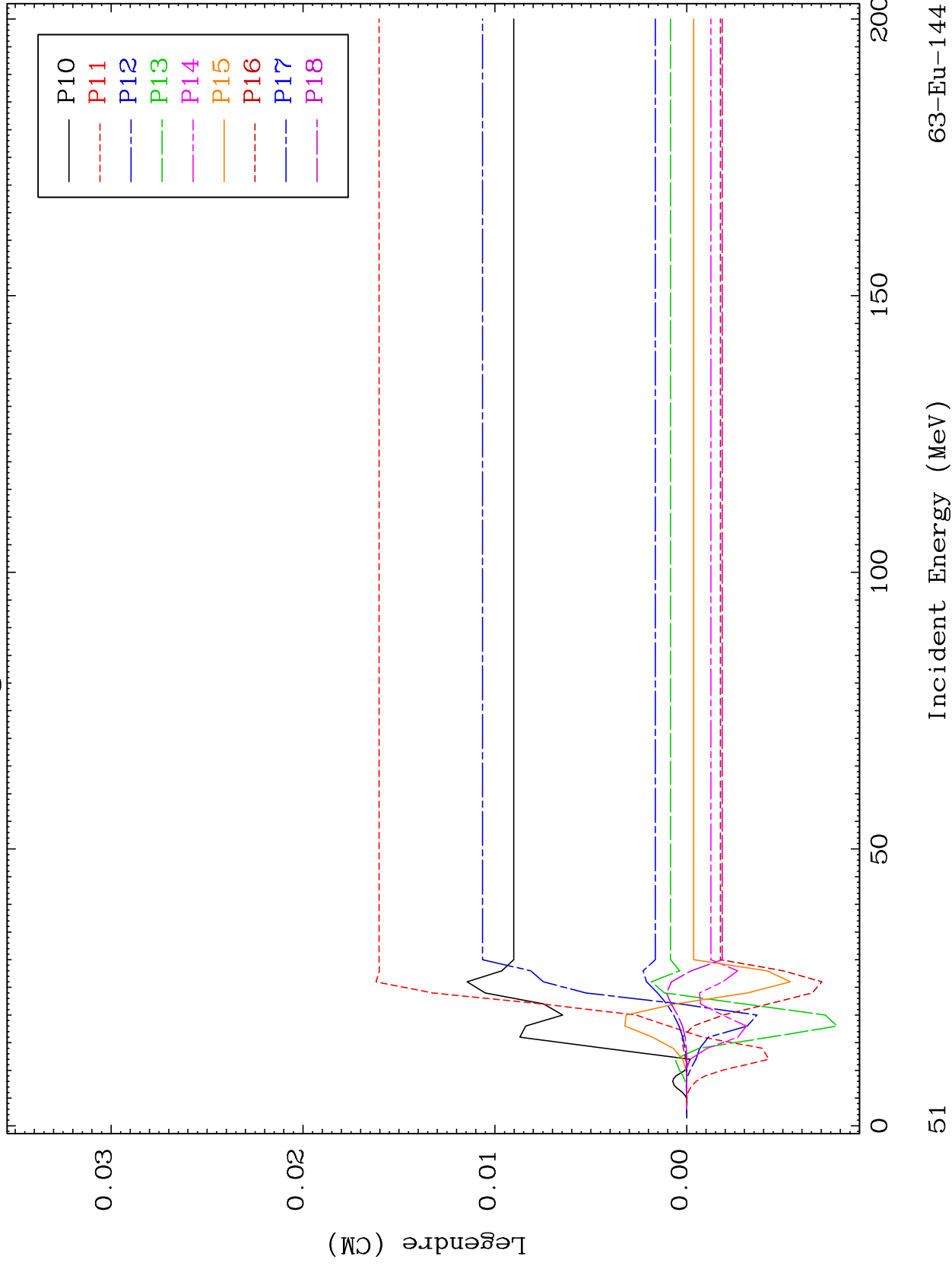


63-Eu-144

MAT 6304

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

63-Eu-144



63-Eu-144

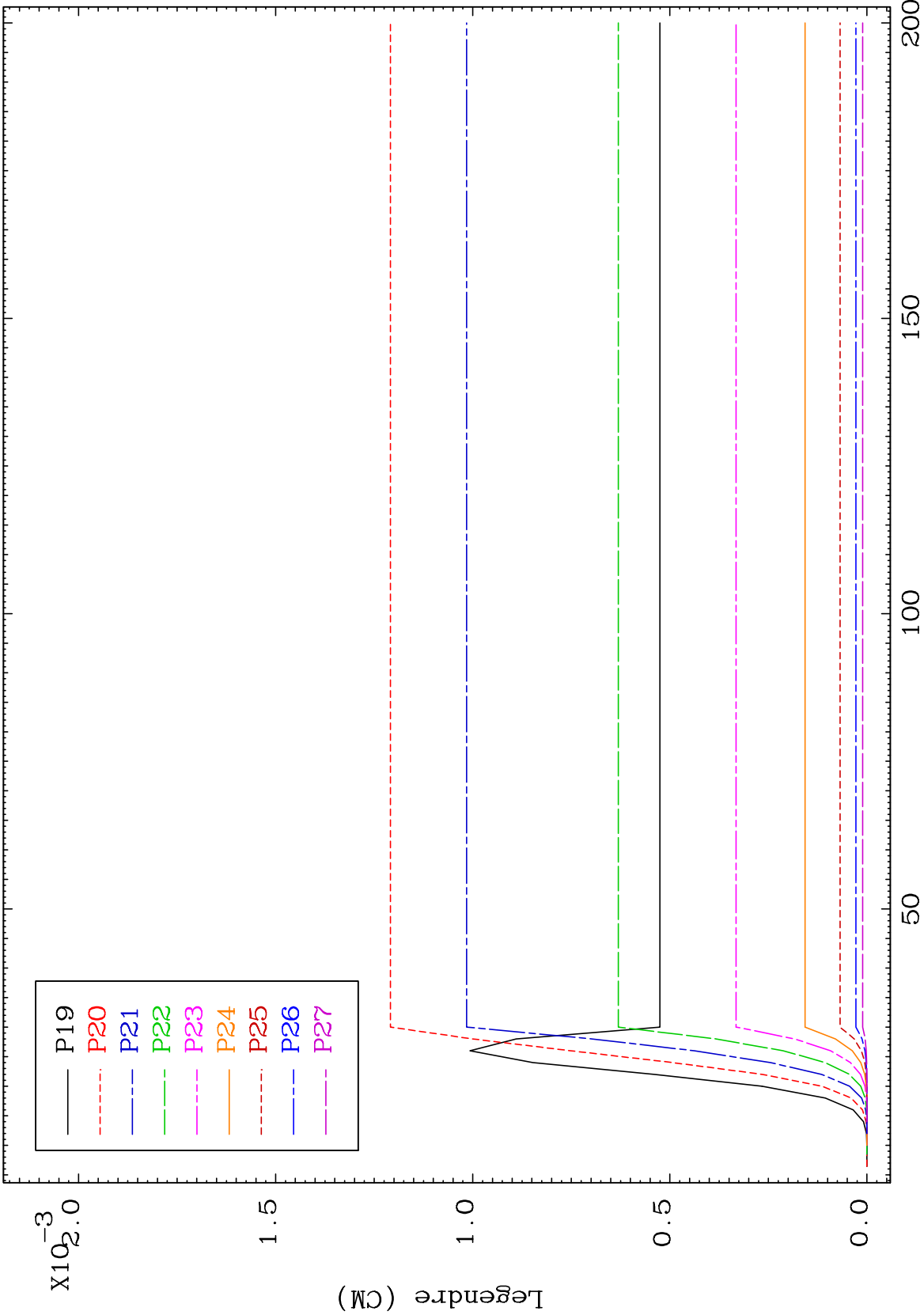
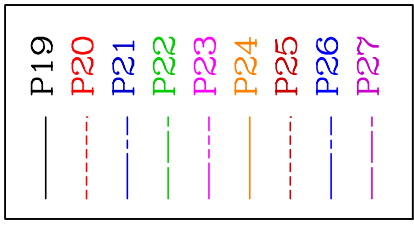
Incident Energy (MeV)

51

MAT 6304

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

63-Eu-144



52

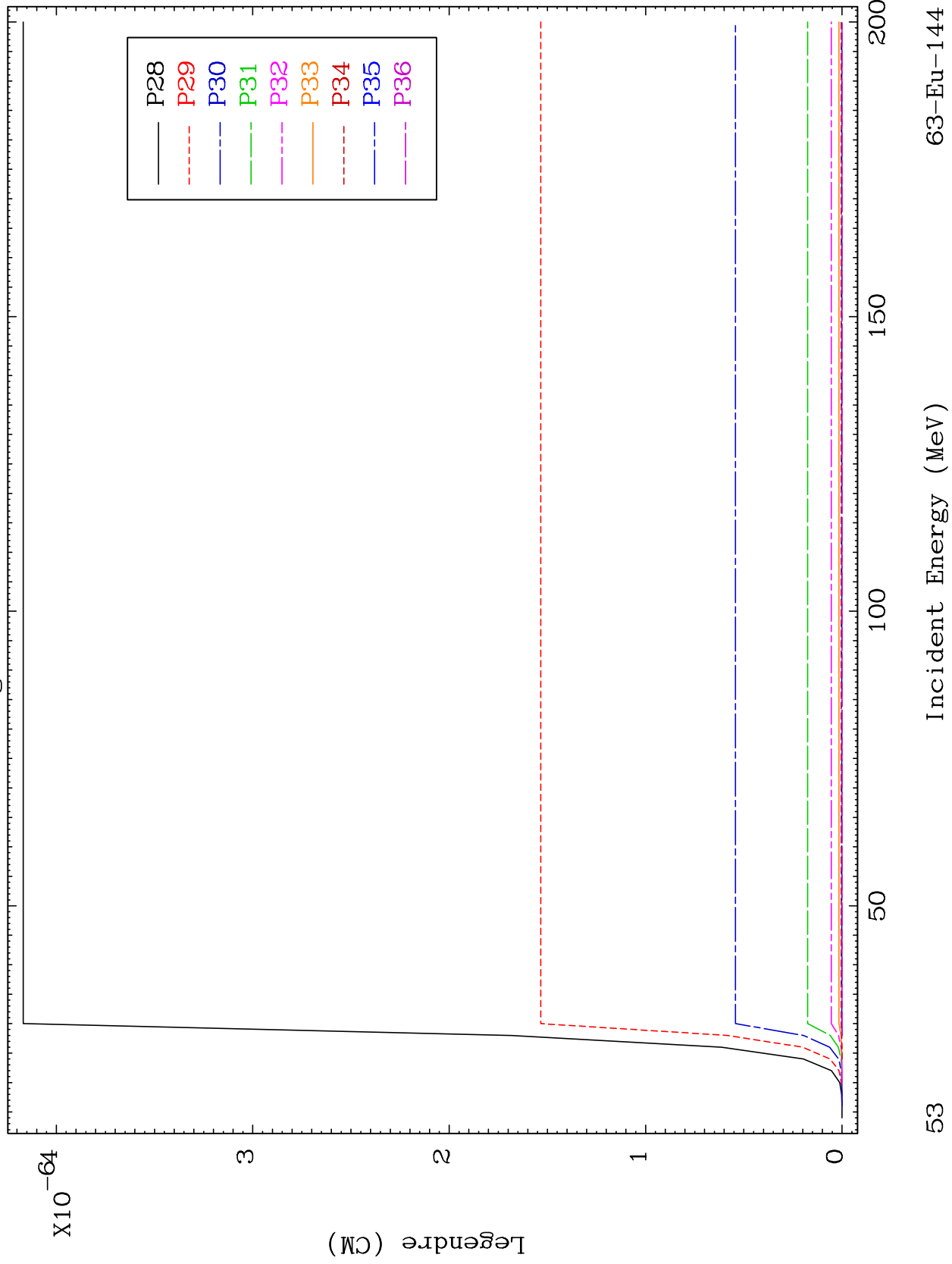
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



53

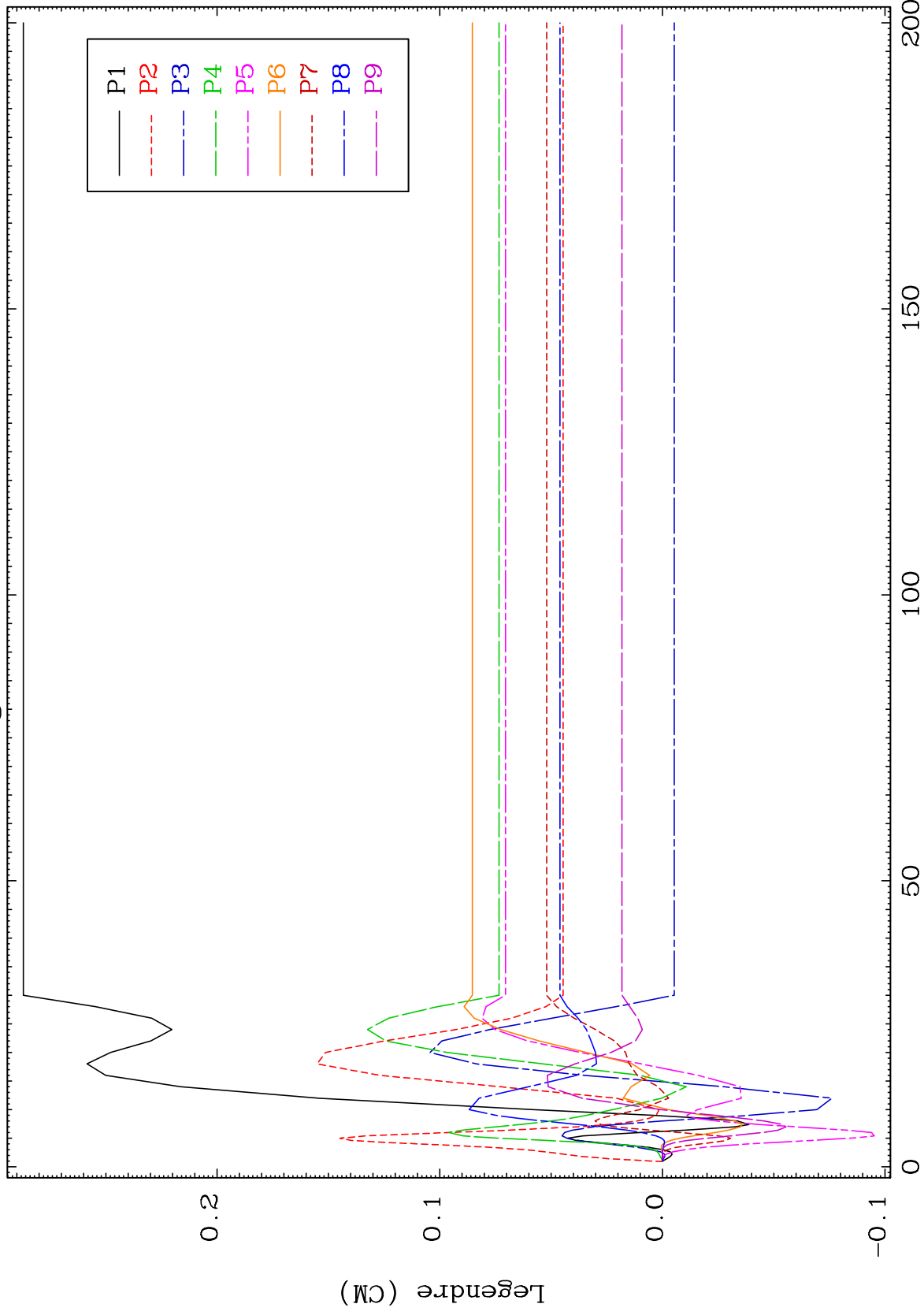
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



54

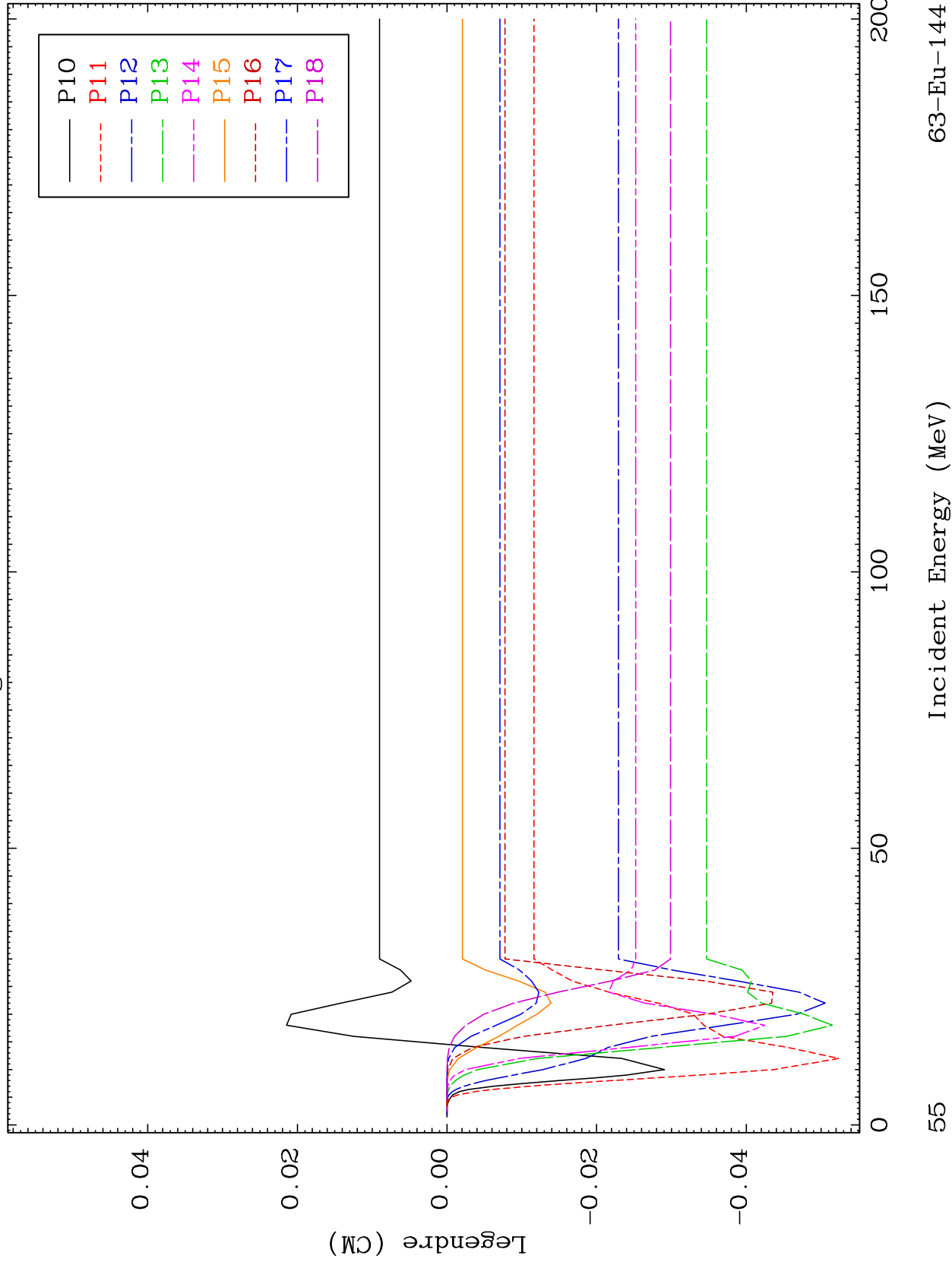
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144

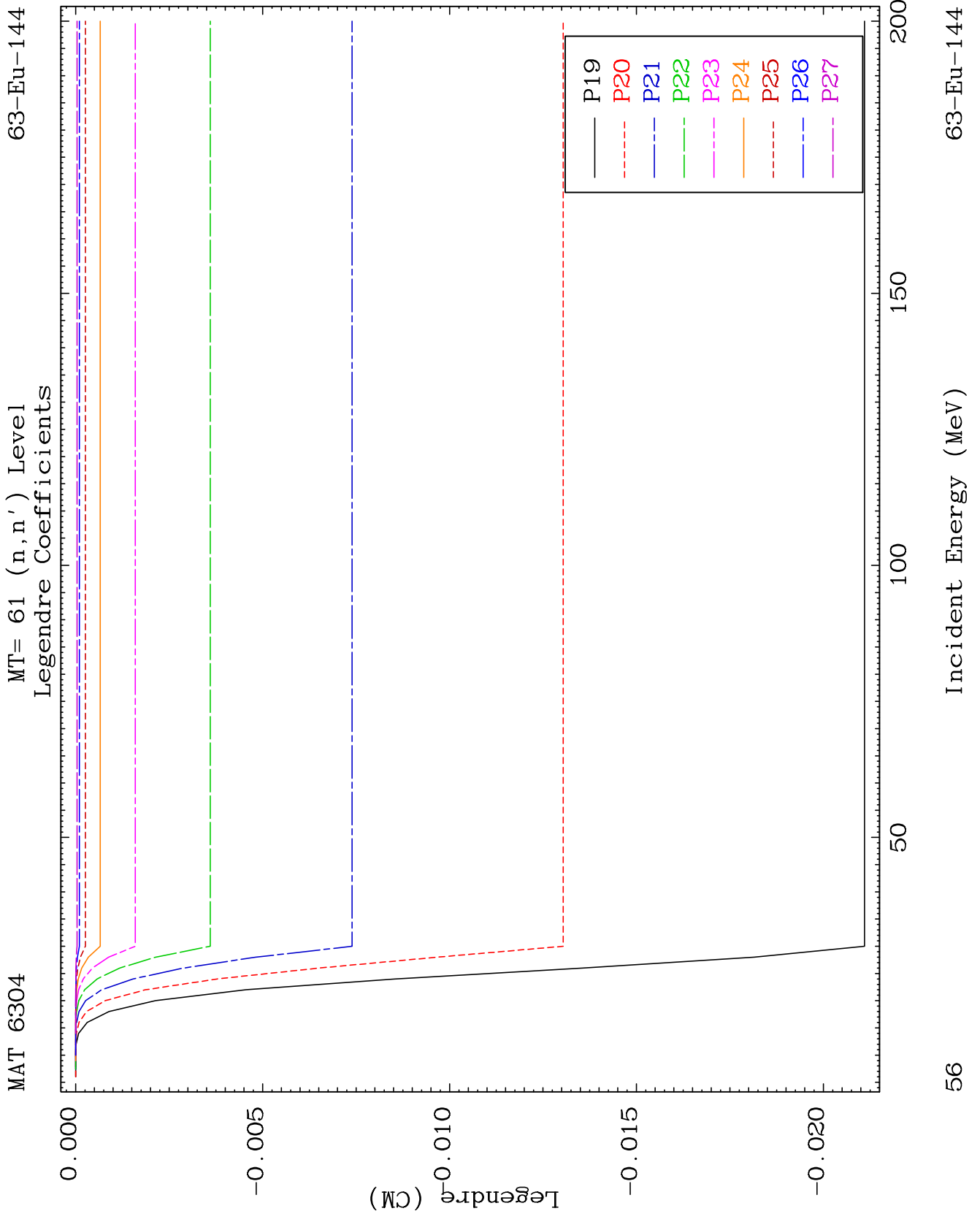


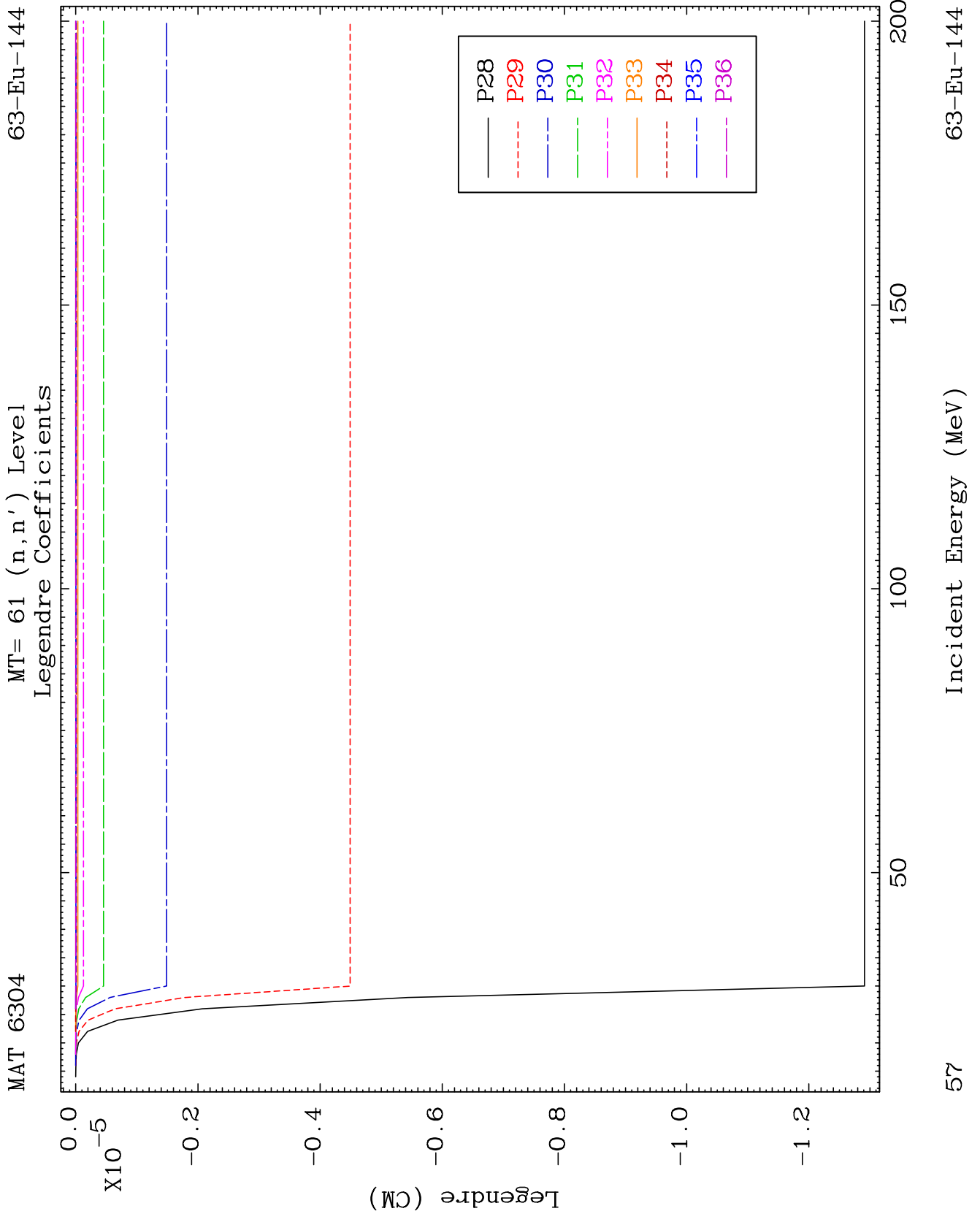
63-Eu-144

Incident Energy (MeV)

55



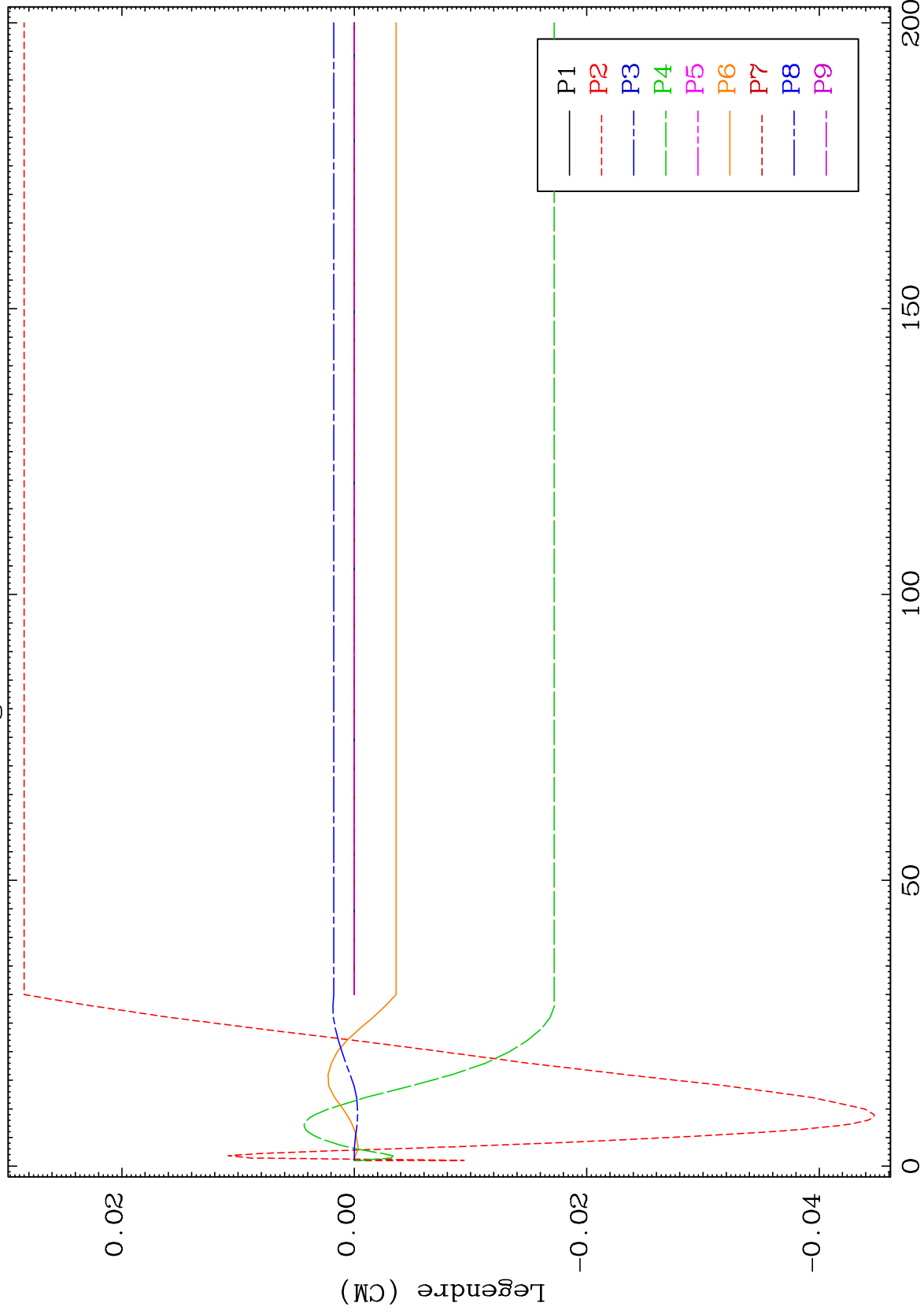




MAT 6304

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

63-Eu-144



58

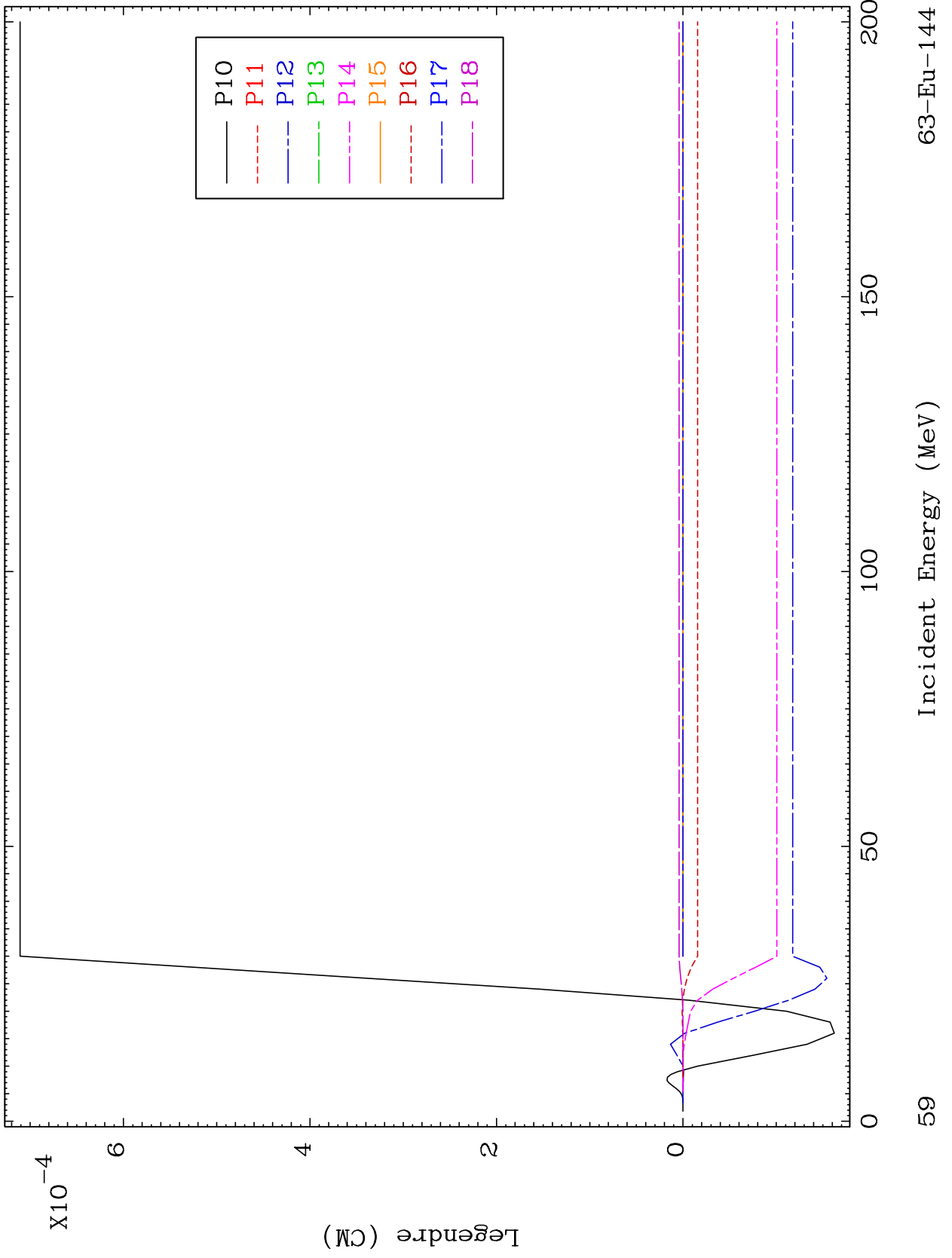
Incident Energy (MeV)

63-Eu-144

MAT 6304

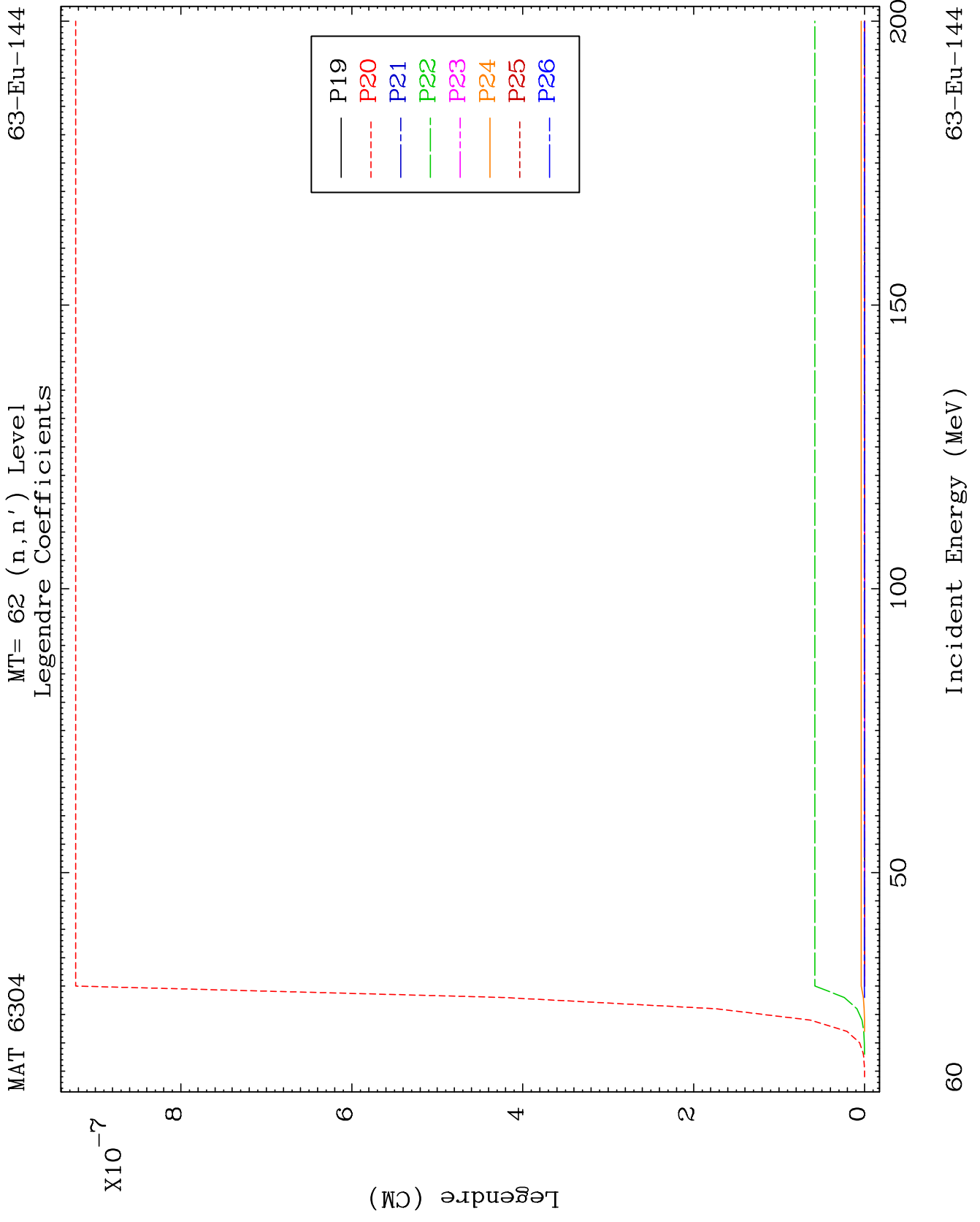
MT= 62 (n,n') Level  
Legendre Coefficients

63-Eu-144



59

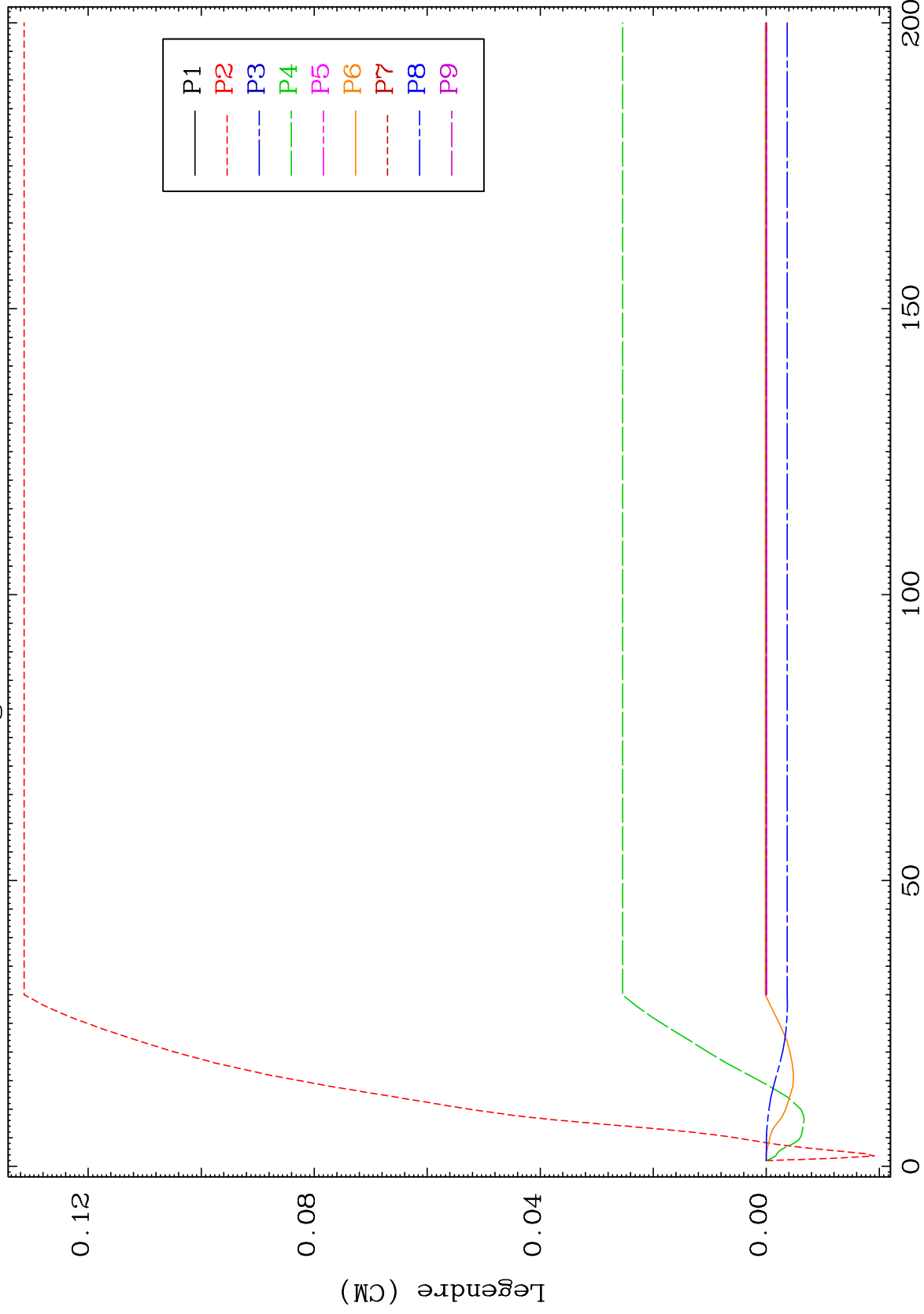
63-Eu-144



MAT 6304

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

63-Eu-144



61

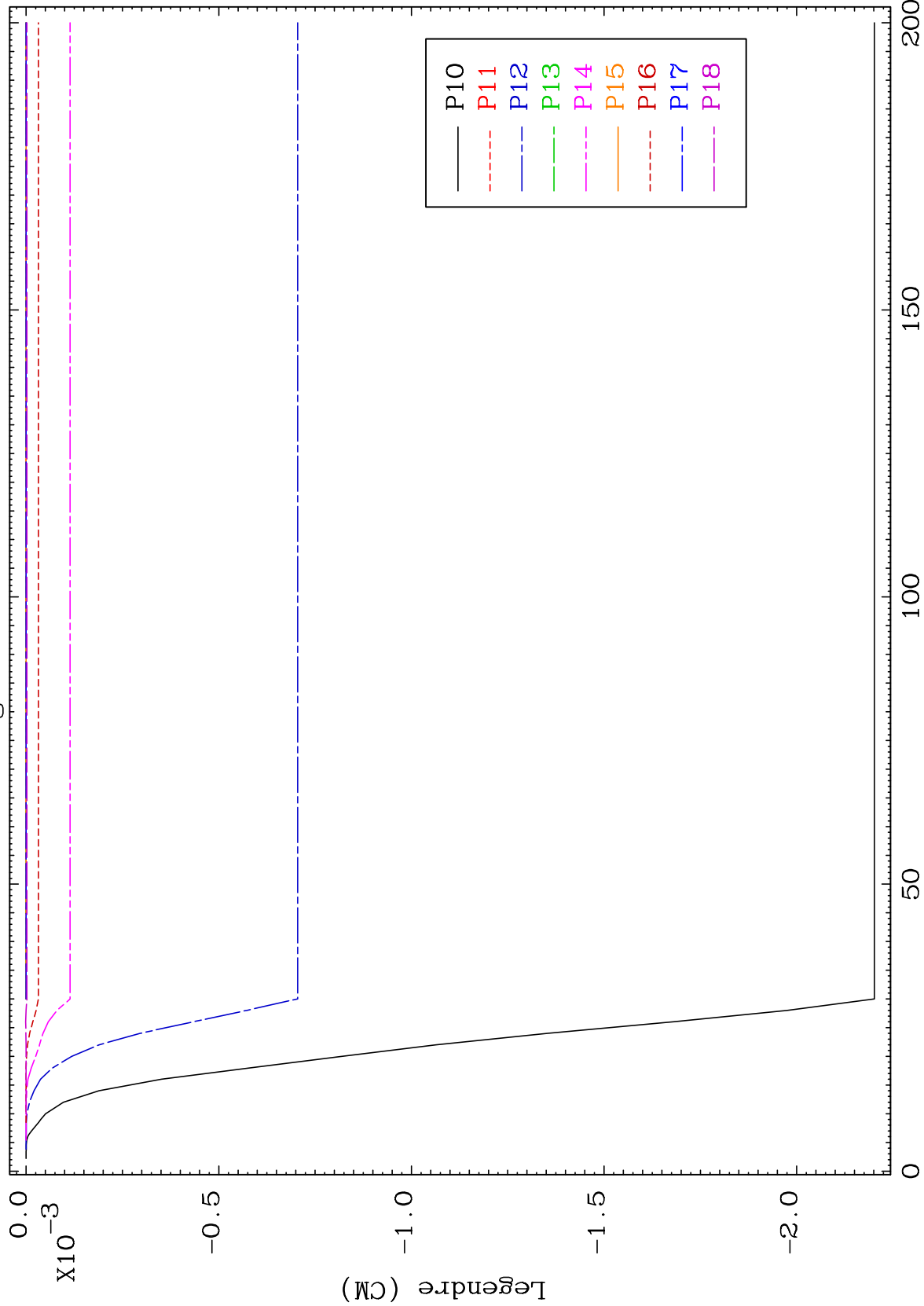
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



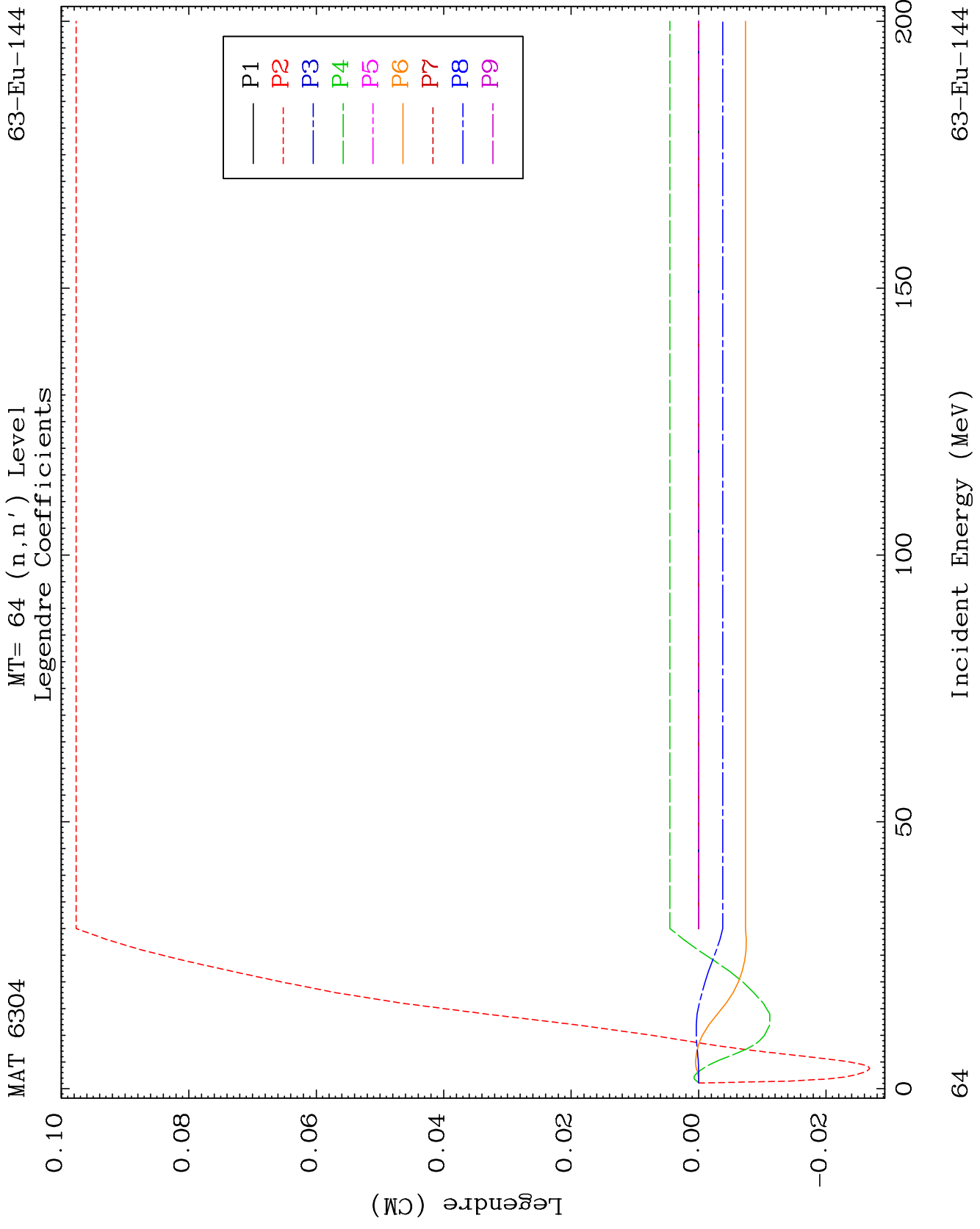
62

Incident Energy (MeV)

63-Eu-144



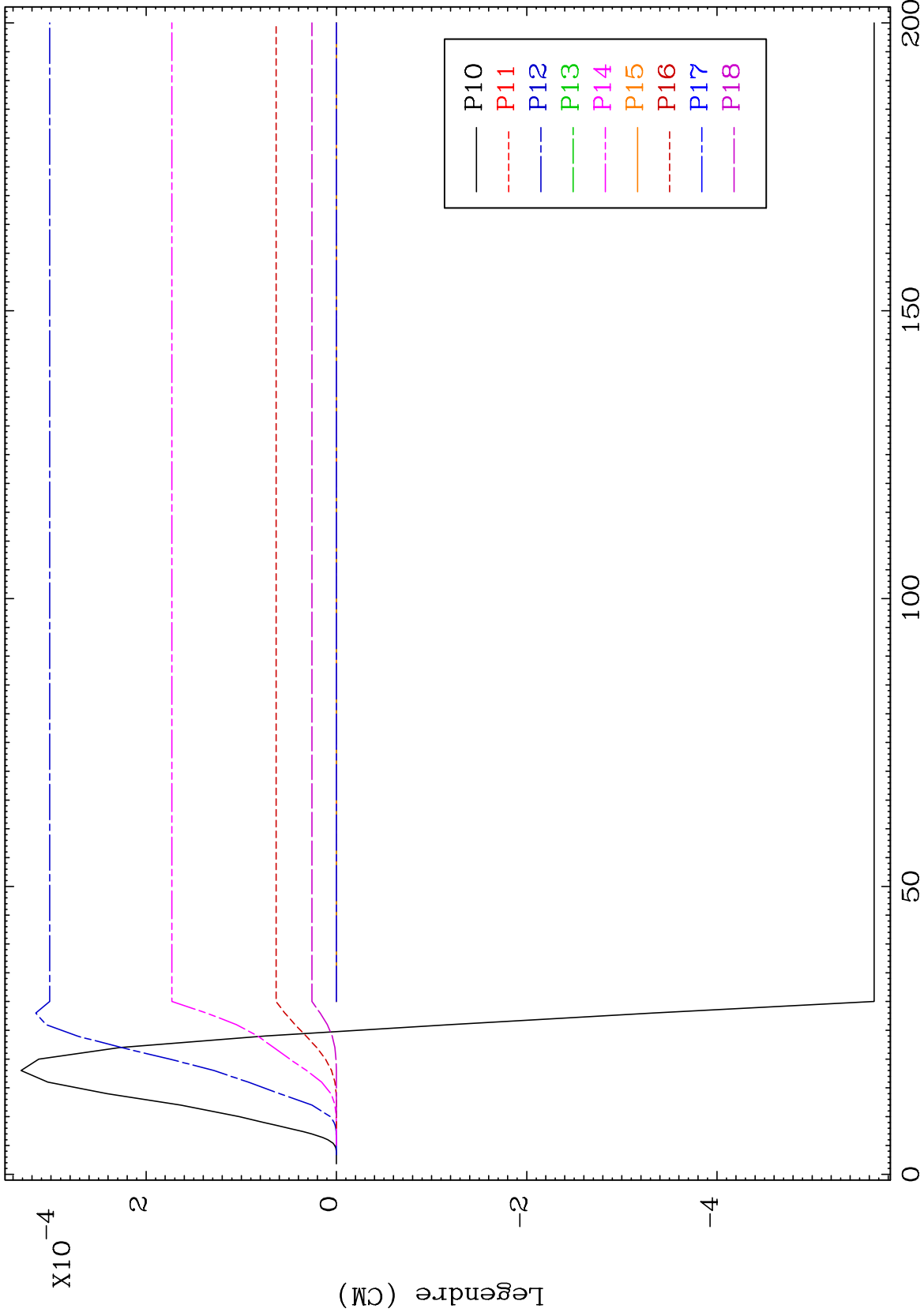




MAT 6304

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

63-Eu-144



65

Incident Energy (MeV)

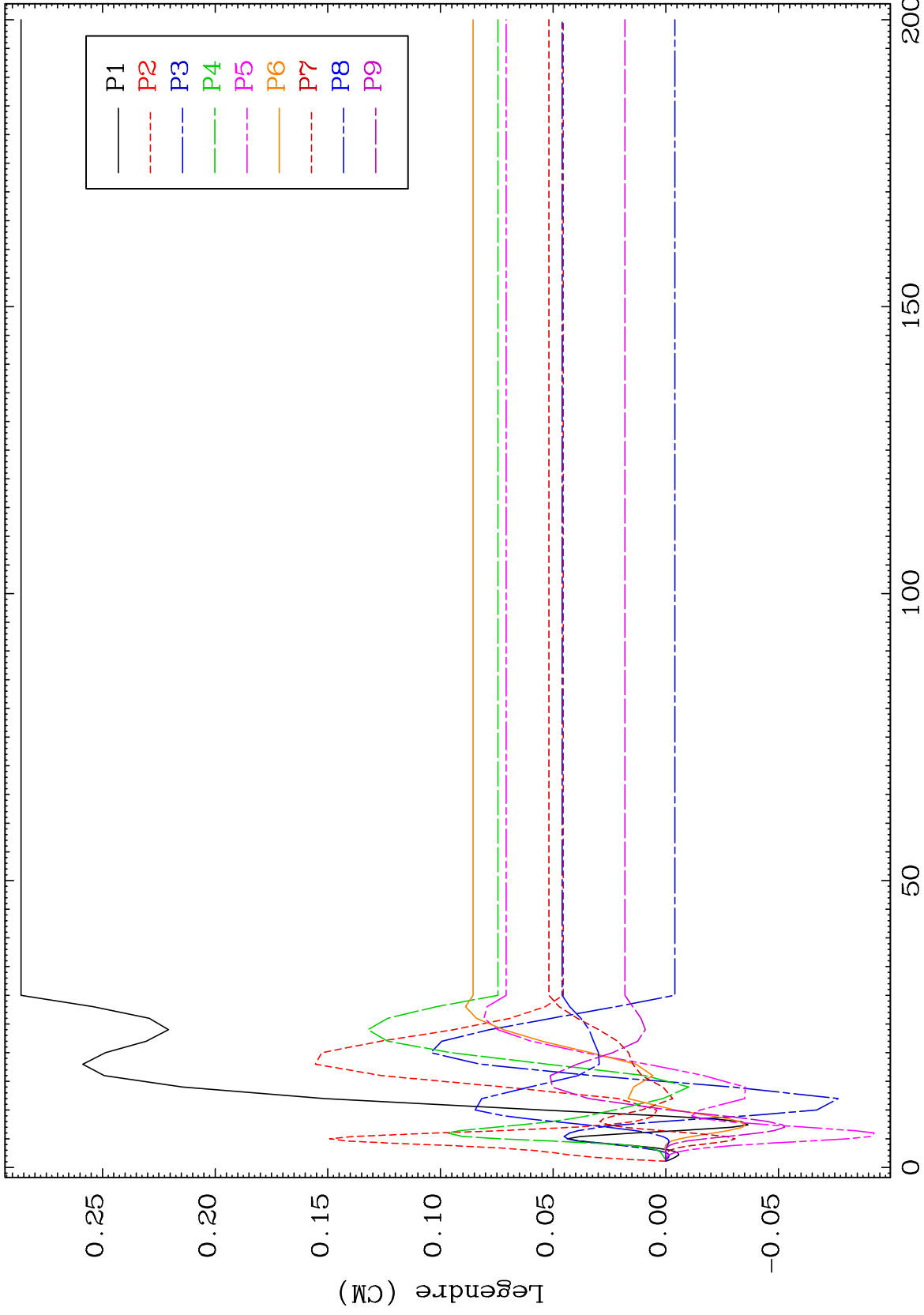
63-Eu-144



MAT 6304

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

63-Eu-144



67

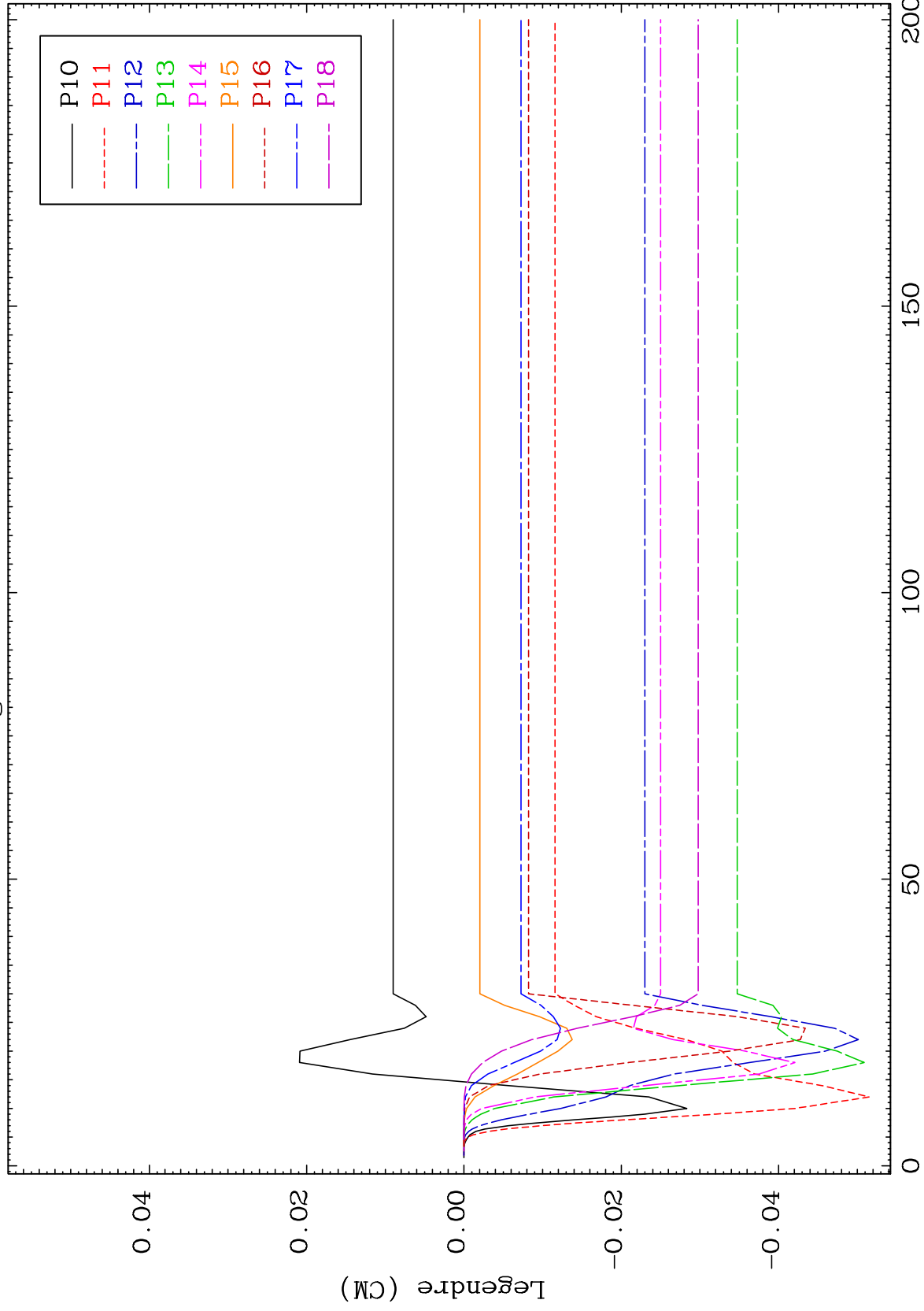
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144

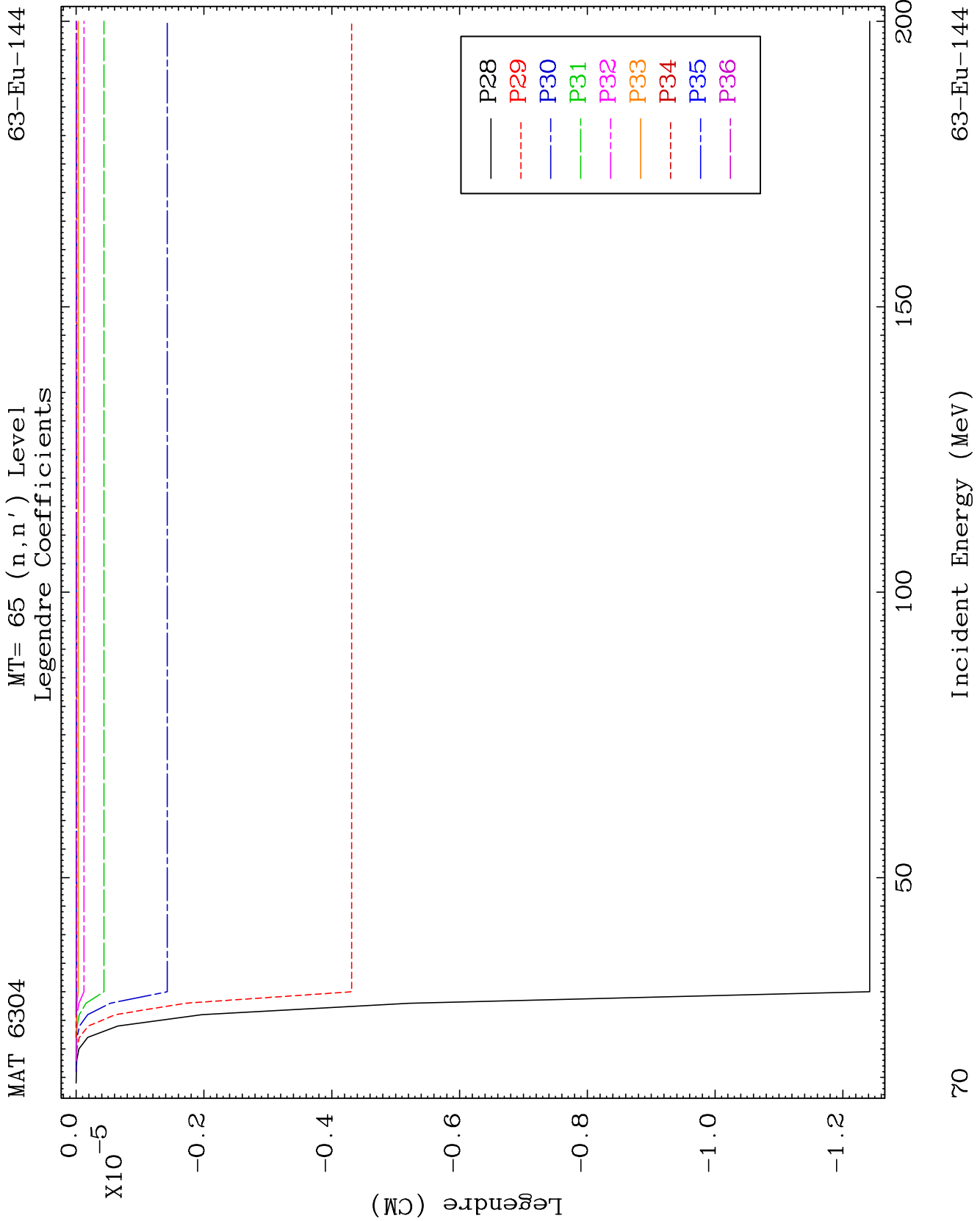


Incident Energy (MeV)

63-Eu-144

68

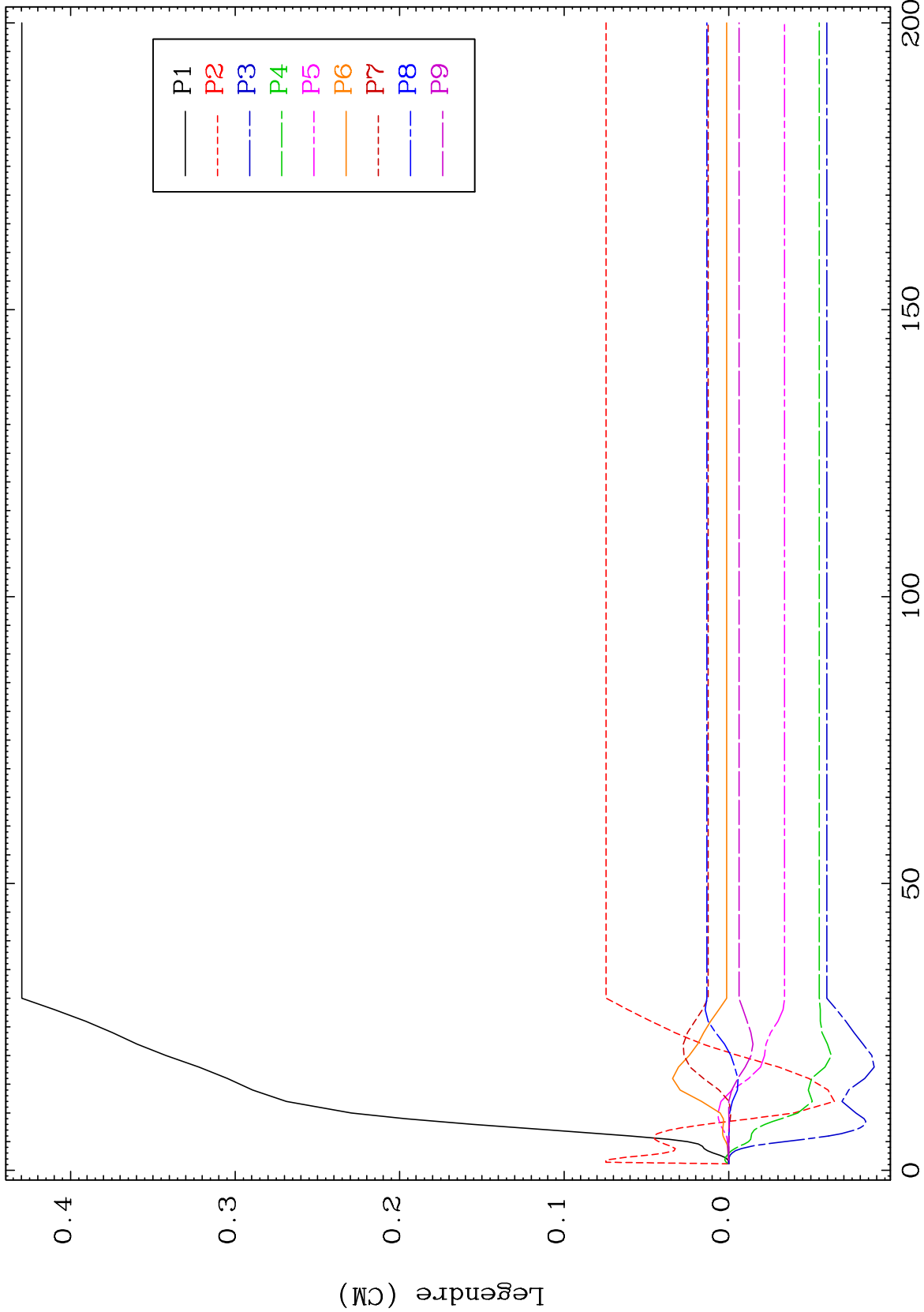




MAT 6304

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

63-Eu-144



63-Eu-144

Incident Energy (MeV)

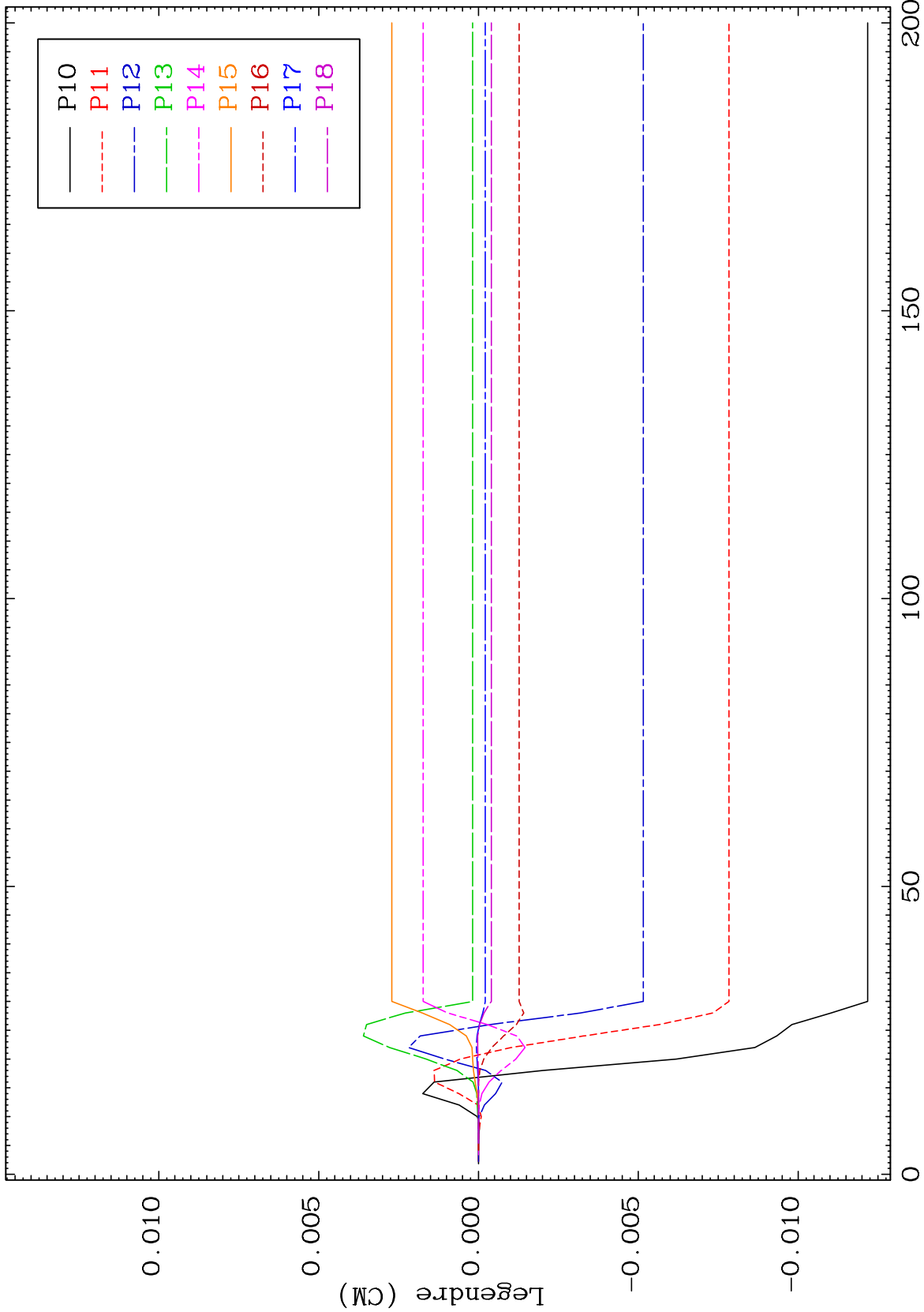
71



MAT 6304

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

63-Eu-144



72

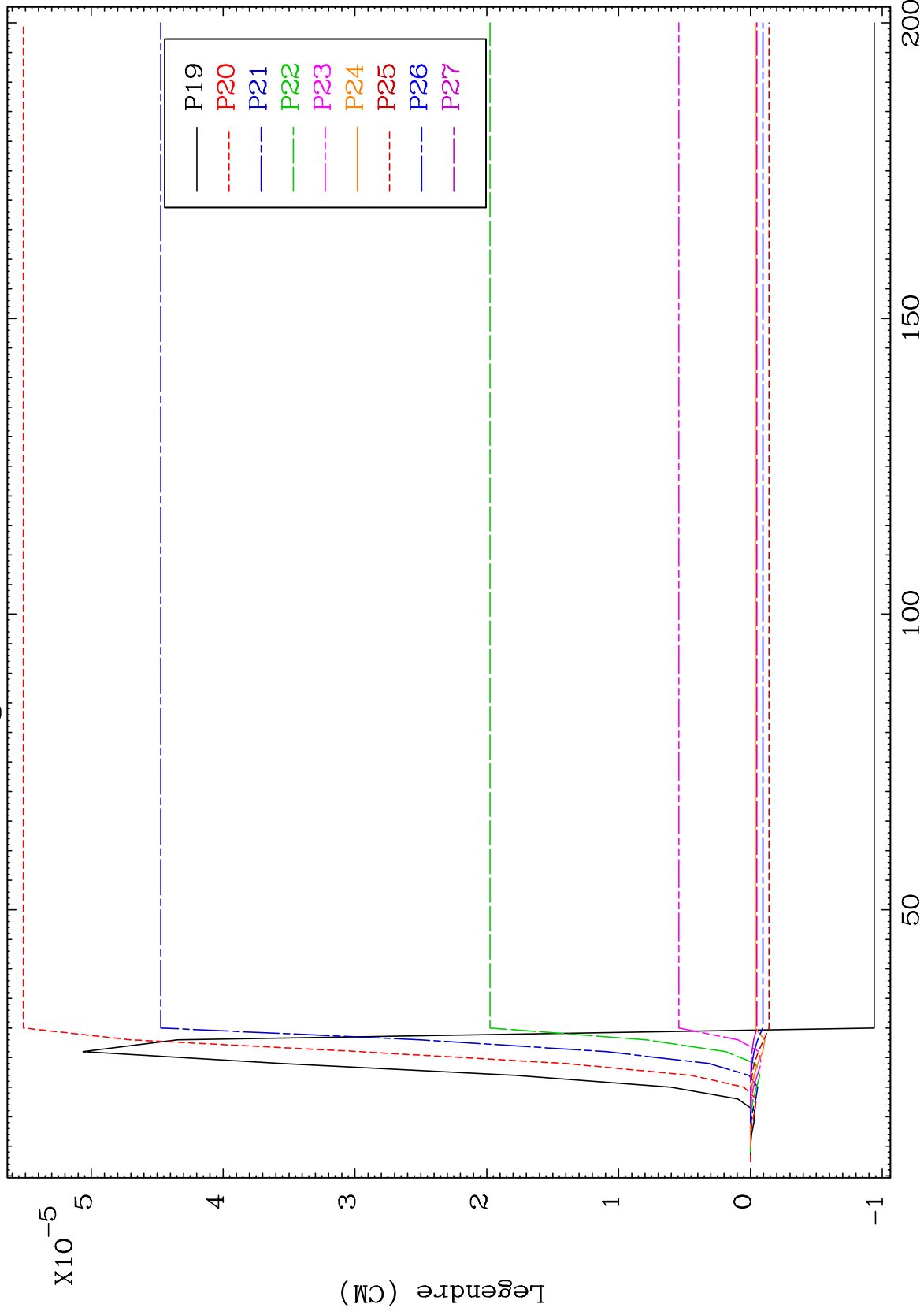
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144



73

Incident Energy (MeV)

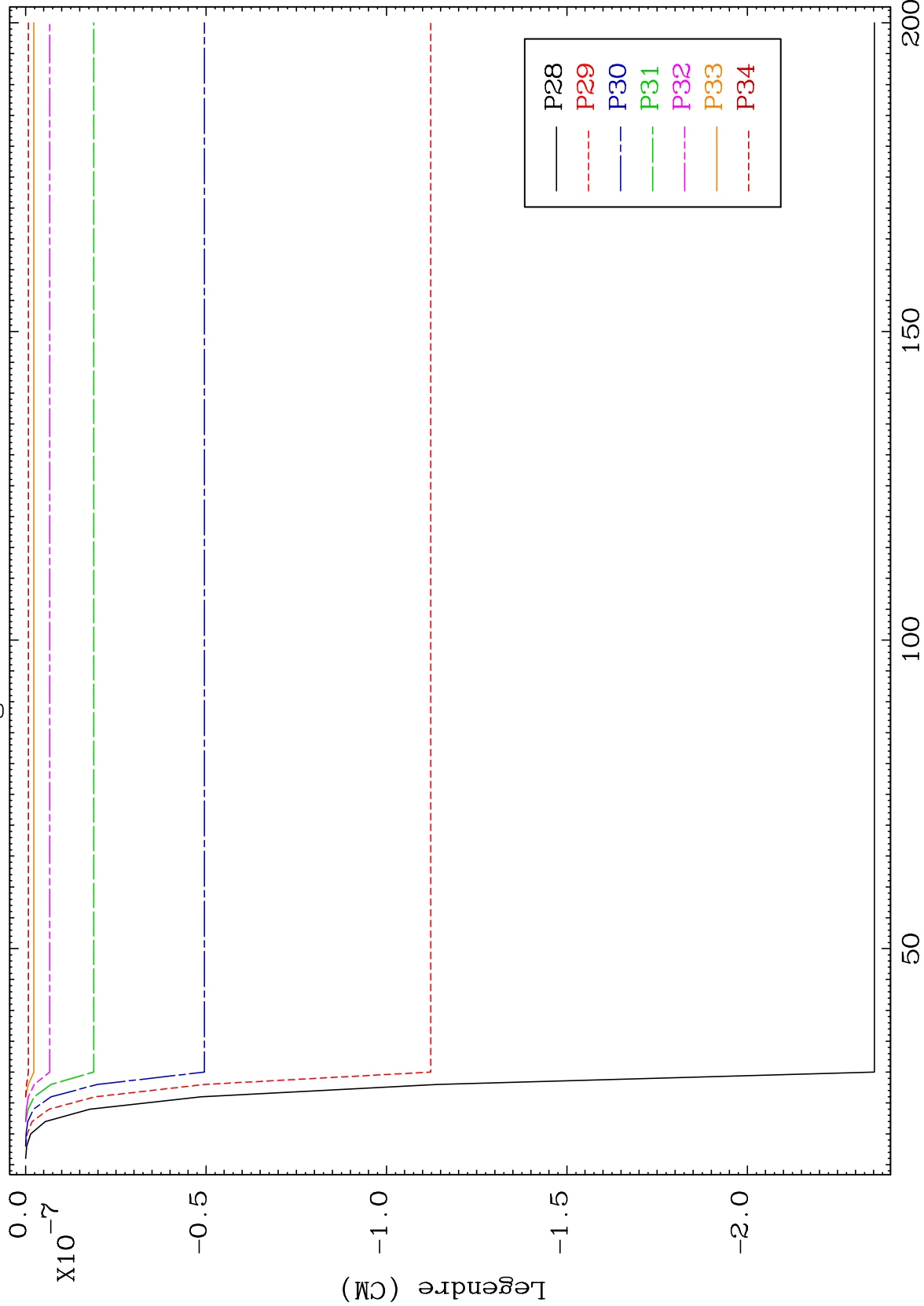
63-Eu-144

MAT 6304

MT= 66 (n,n') Level

63-Eu-144

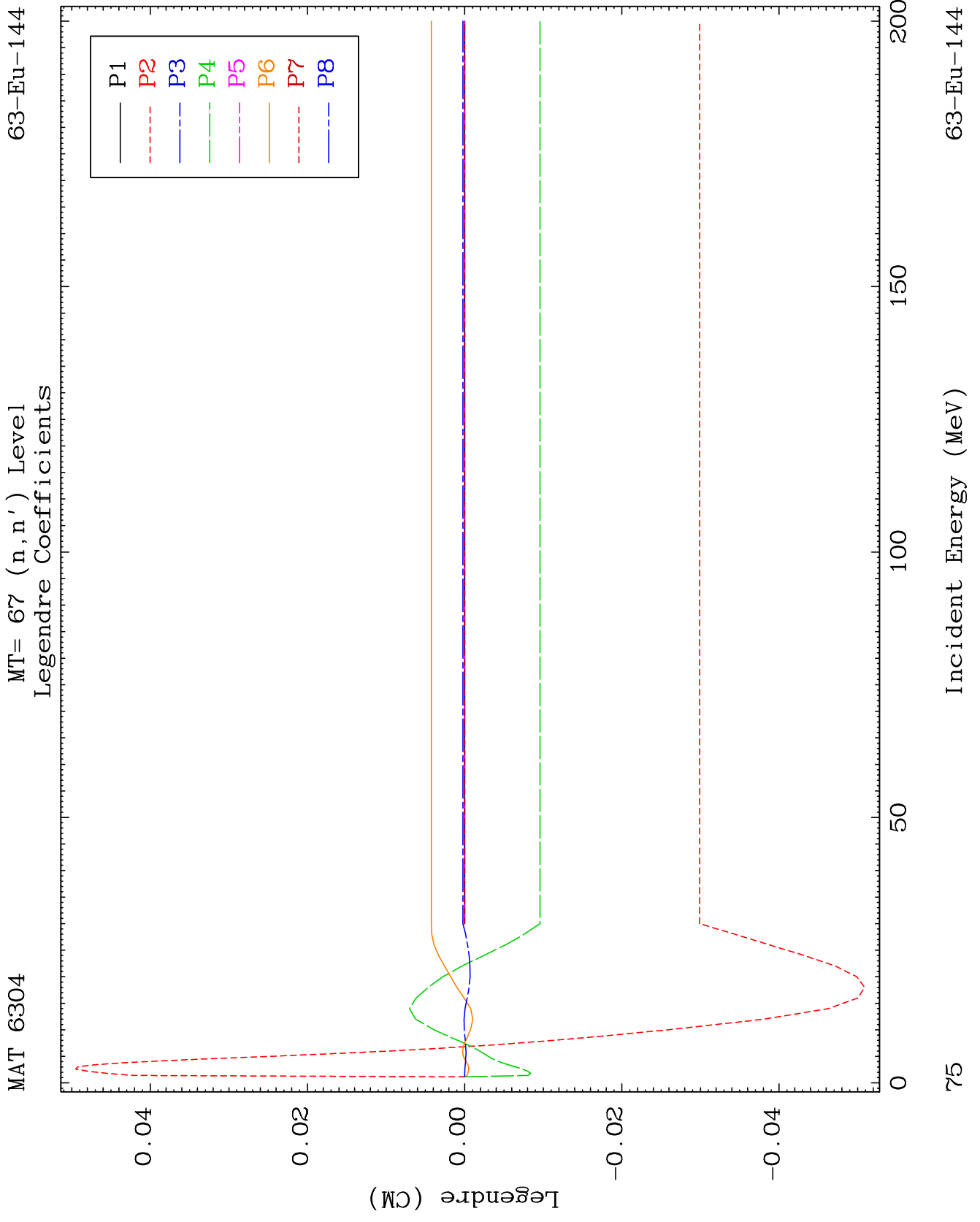
Legendre Coefficients



74

Incident Energy (MeV)

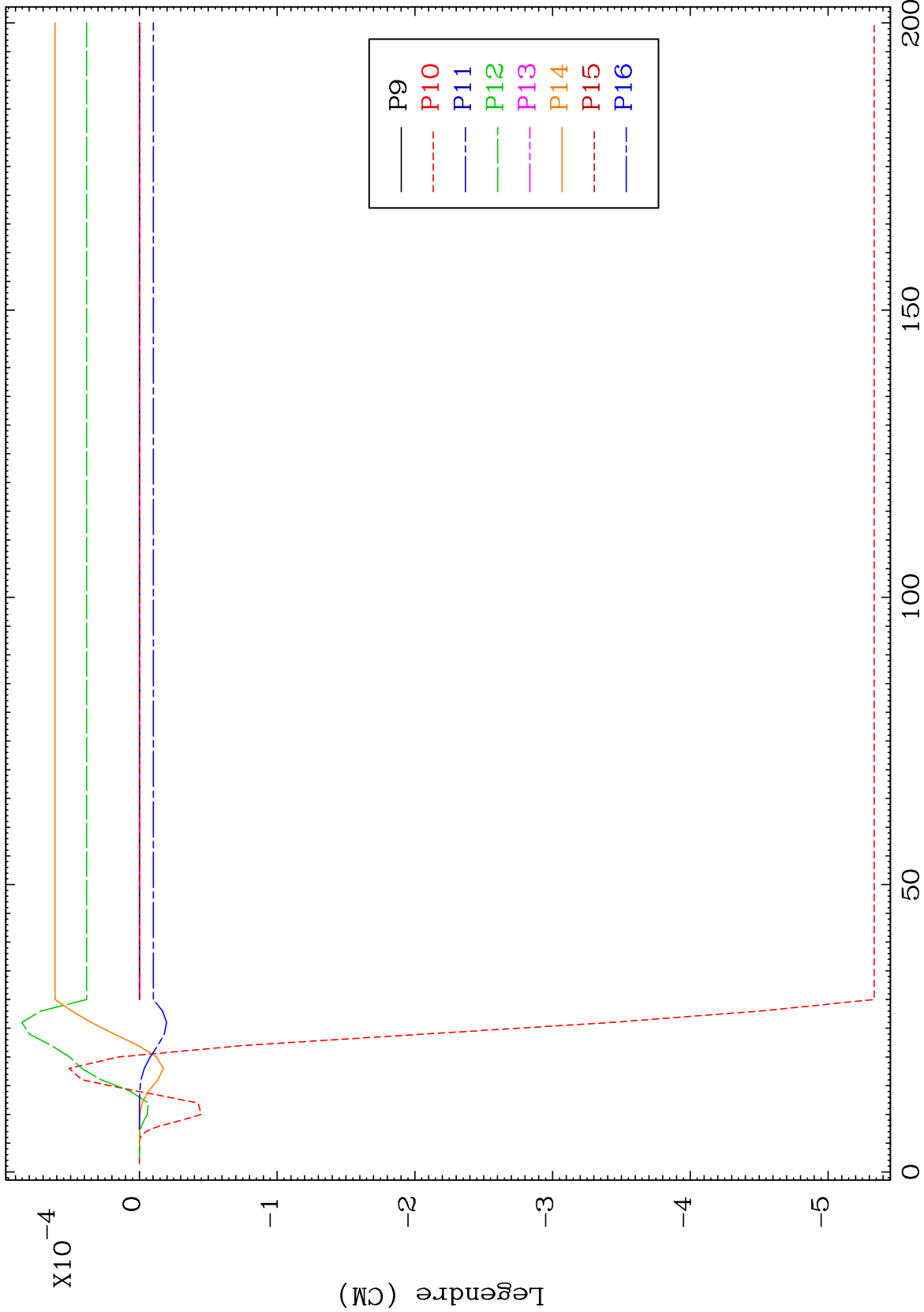
63-Eu-144



MAT 6304

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

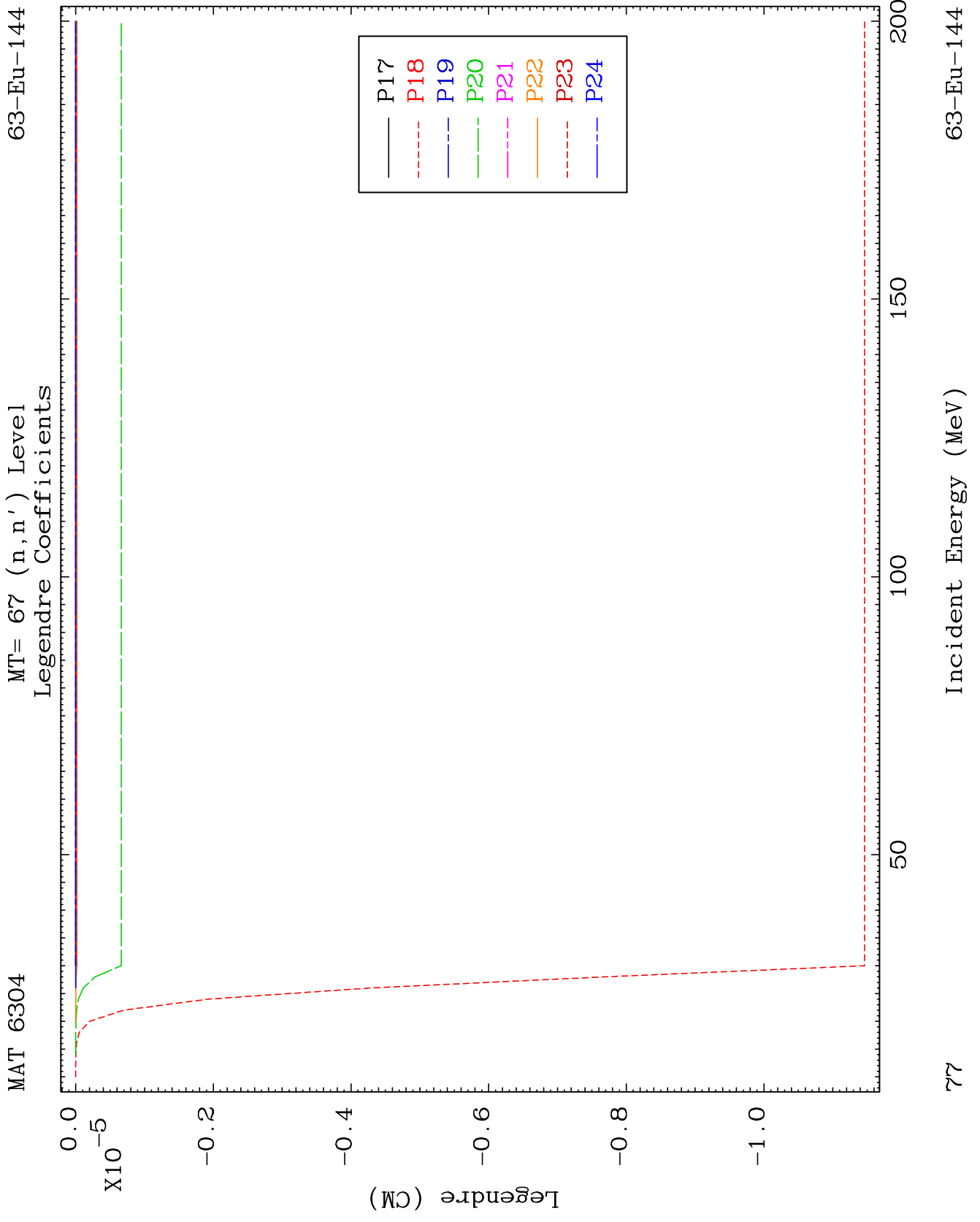
63-Eu-144



76

63-Eu-144

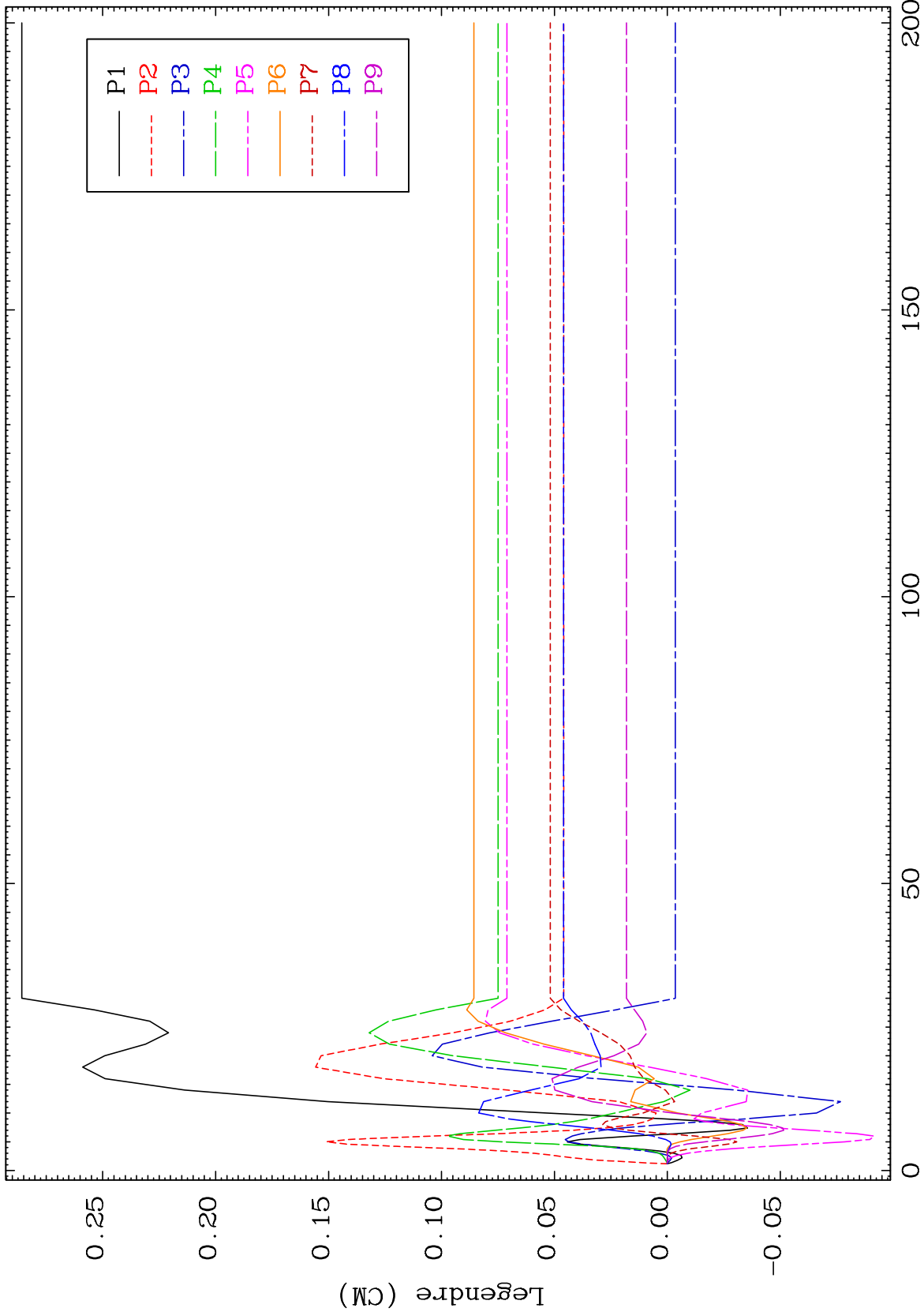
63-Eu-144



MAT 6304

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

63-Eu-144



78

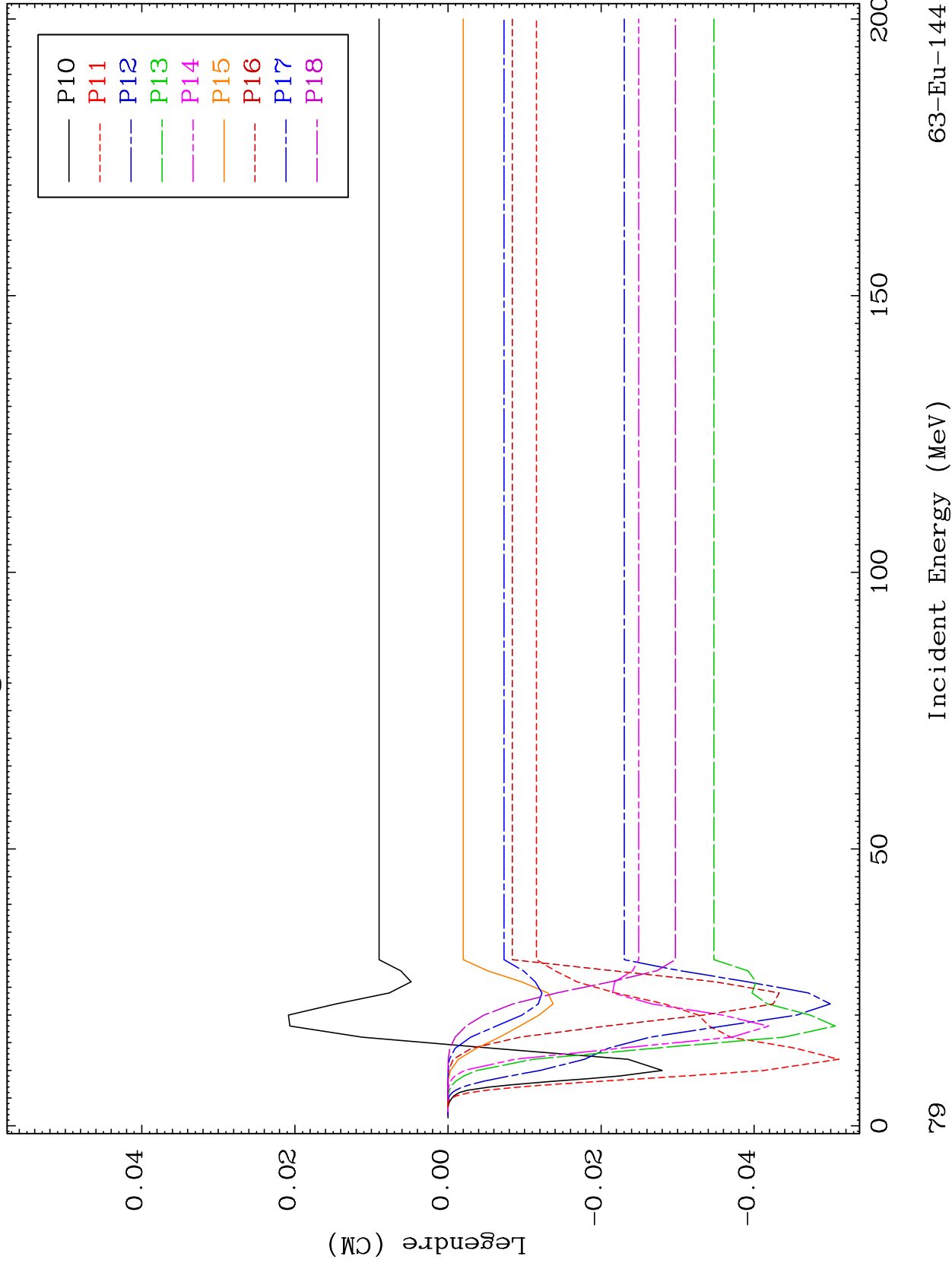
Incident Energy (MeV)

63-Eu-144

MAT 6304

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

63-Eu-144

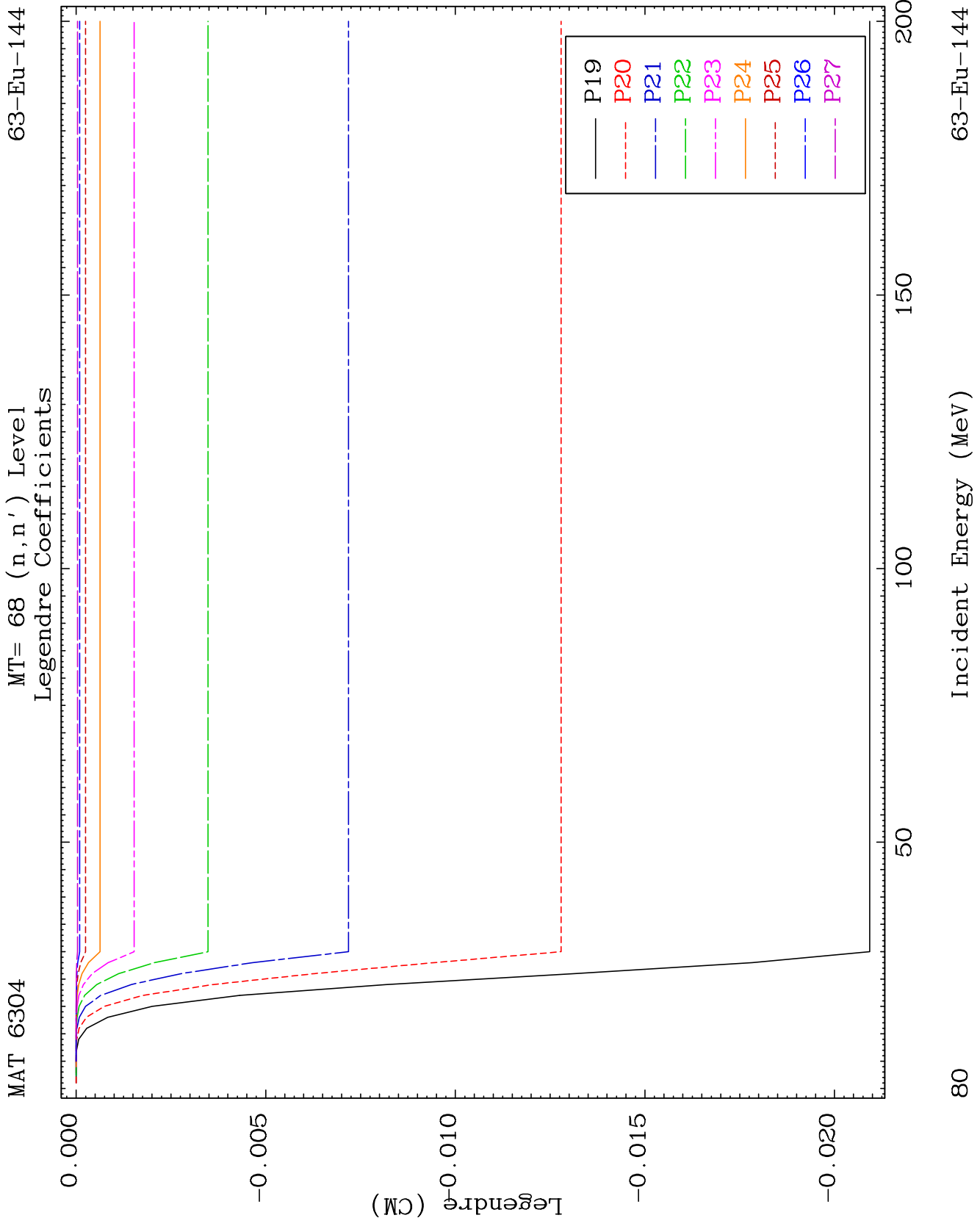


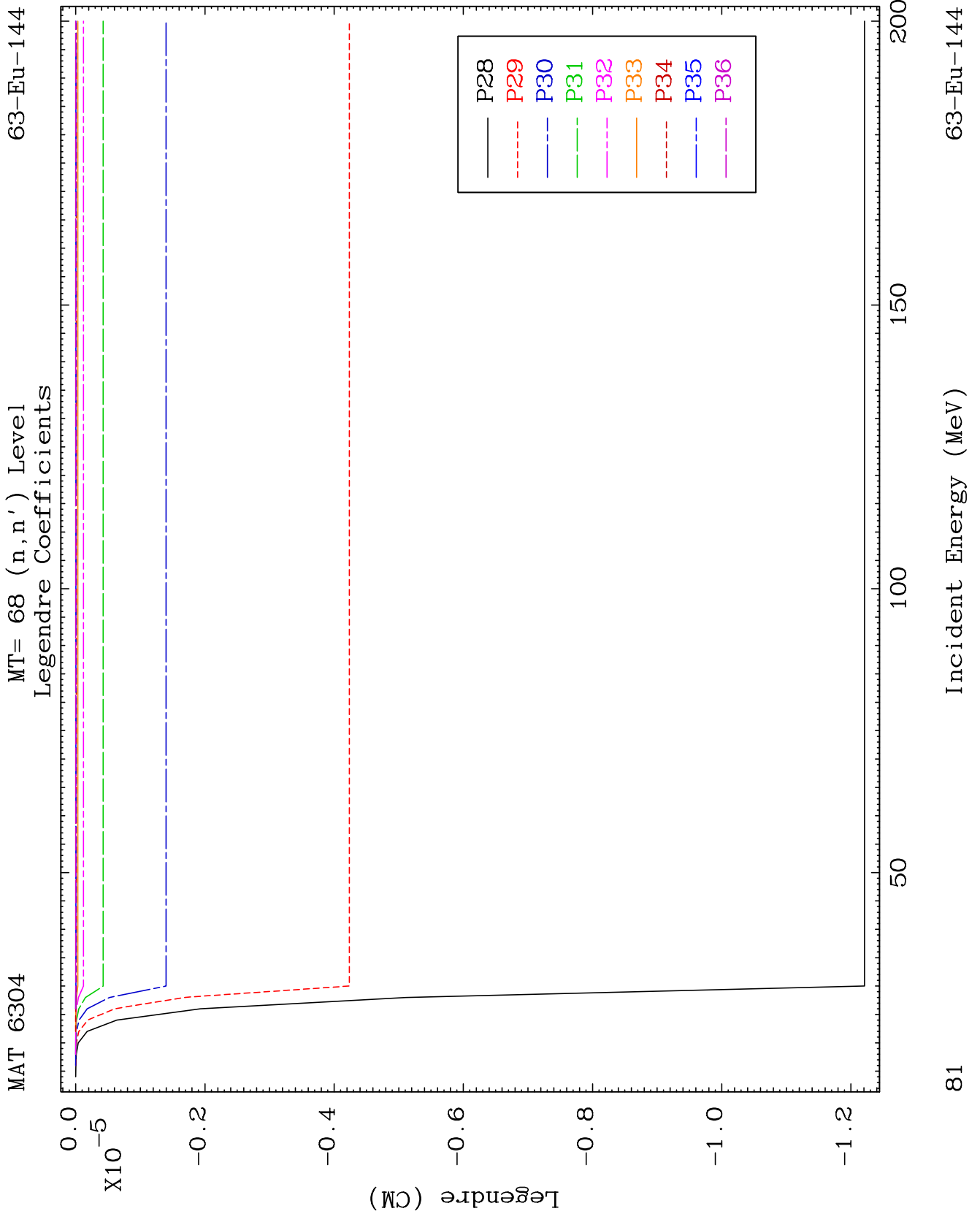
79

Incident Energy (MeV)

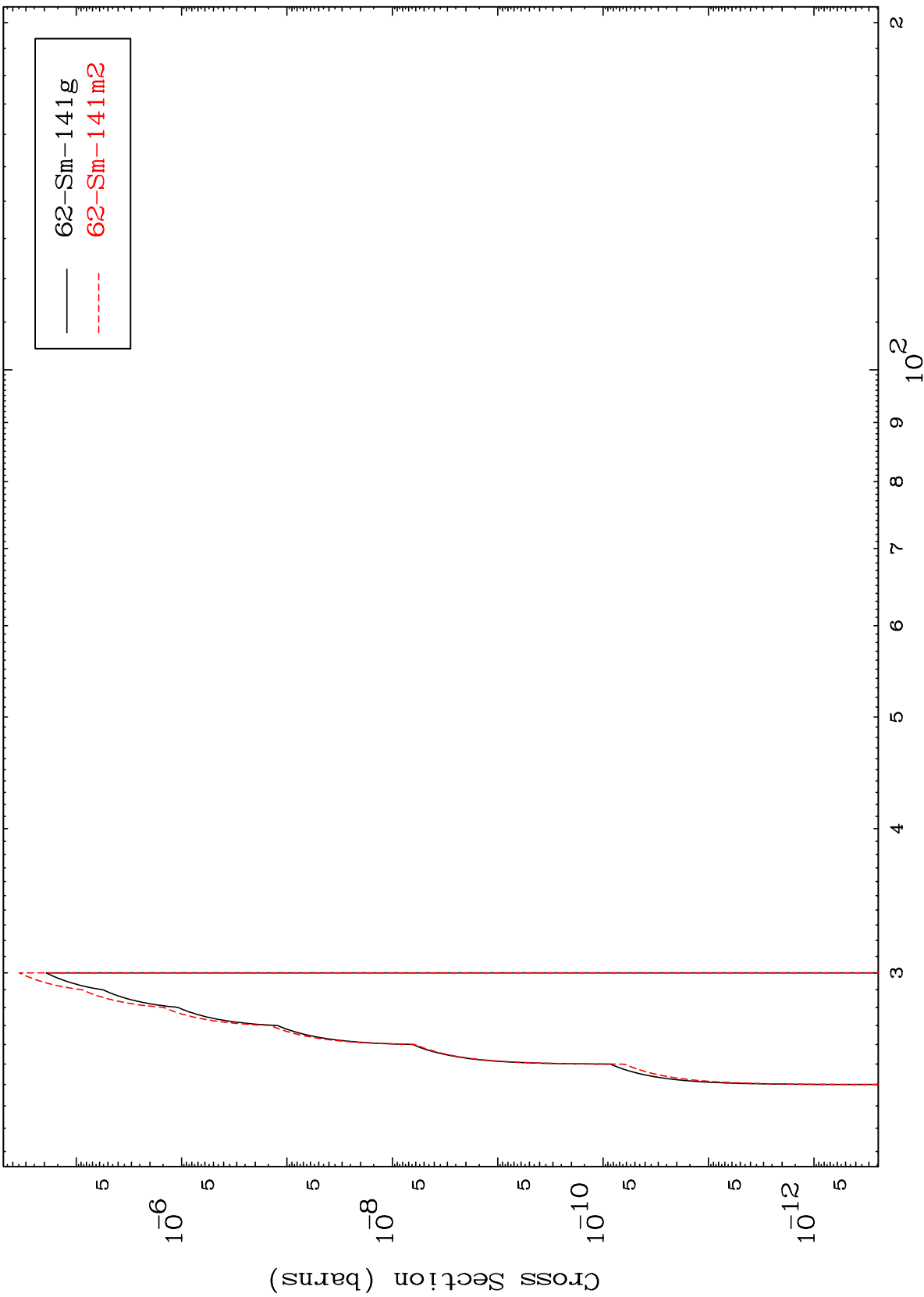
63-Eu-144







Radionuclide Production Cross Section



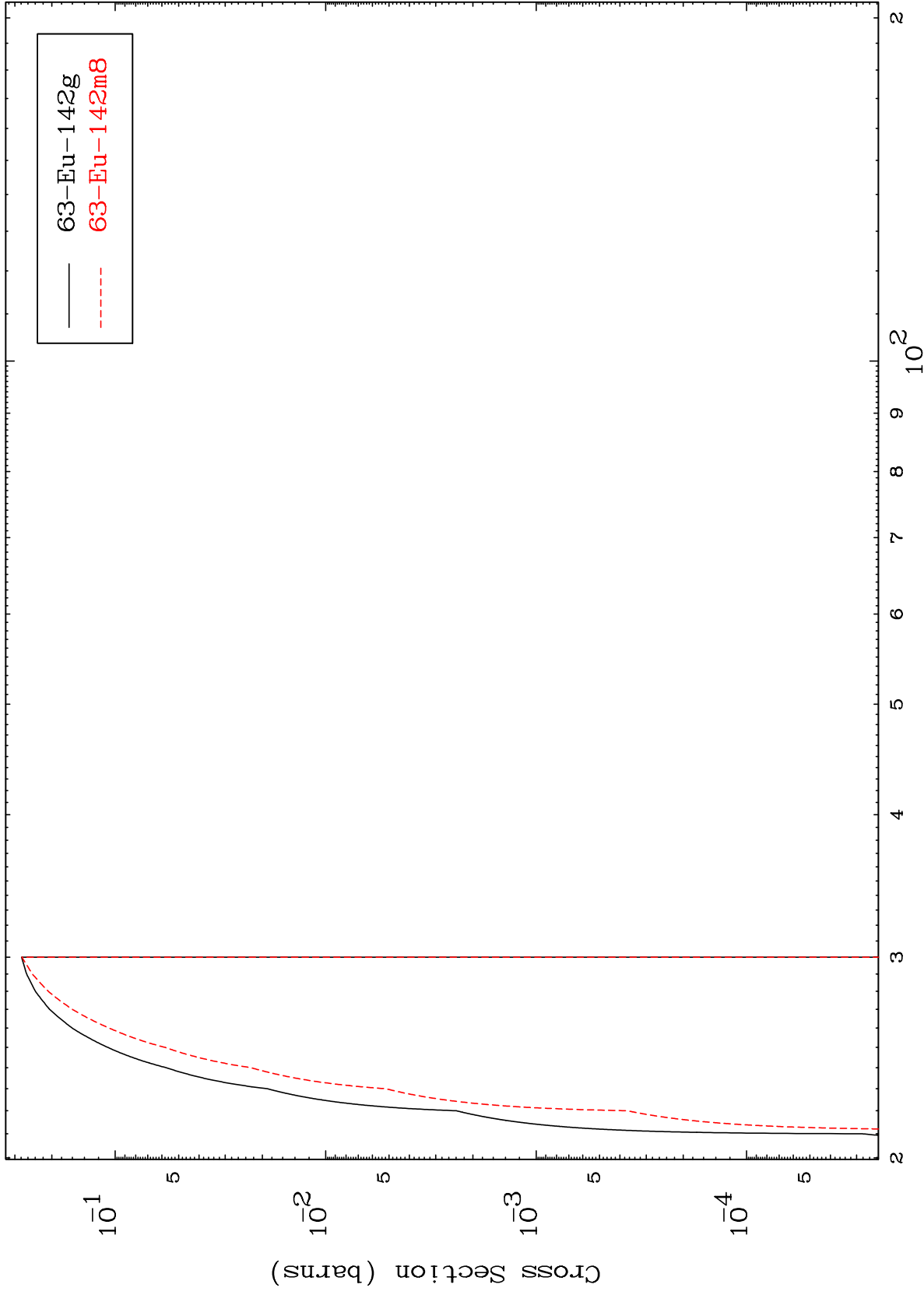
62-Sm-141g  
62-Sm-141m2

MAT 6304

(n,3n)

63-Eu-144

Radionuclide Production Cross Section



83

Incident Energy (MeV)

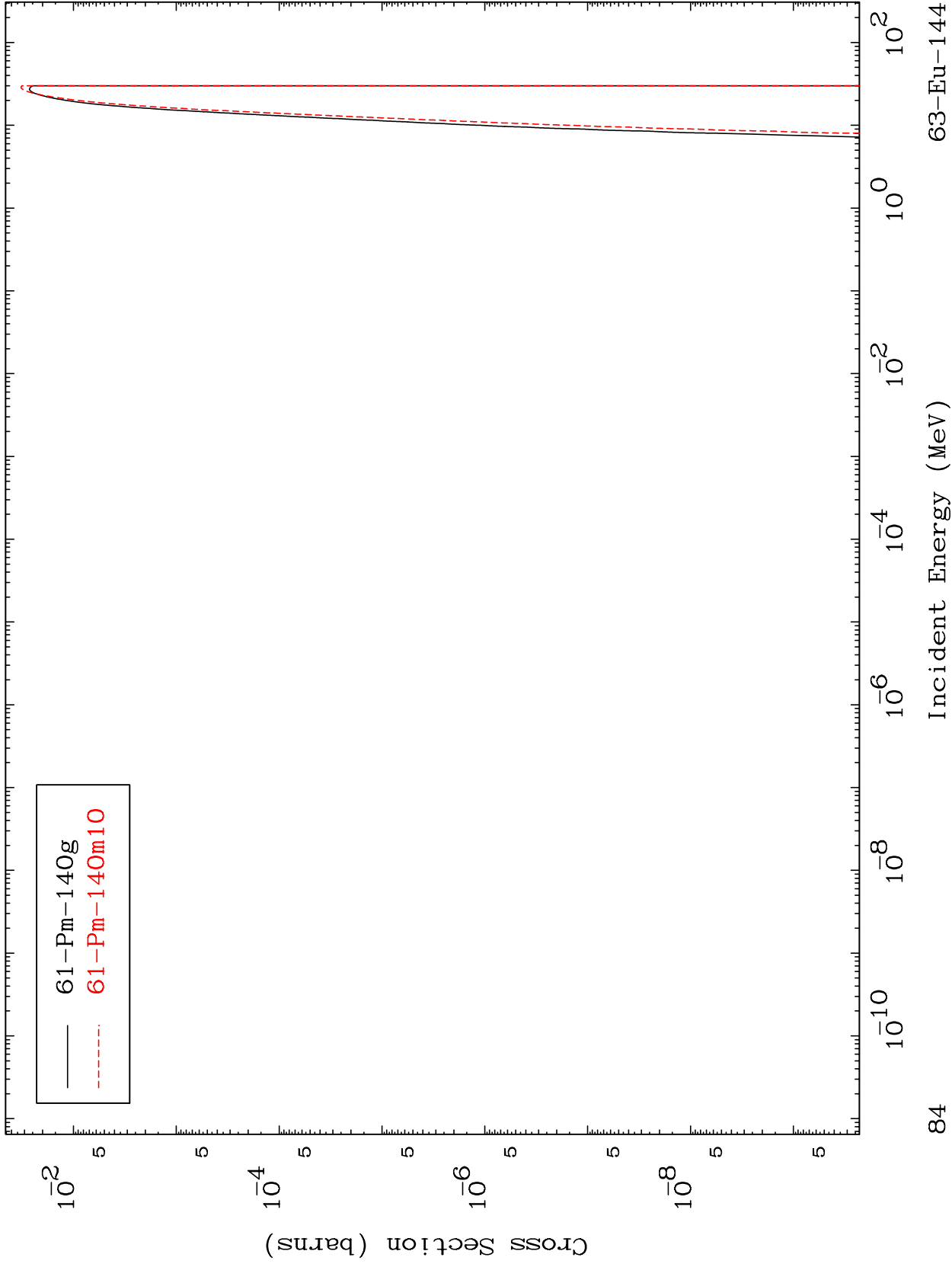
63-Eu-144

MAT 6304

$(n, n') \alpha$

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

Radionuclide Production Cross Section



84

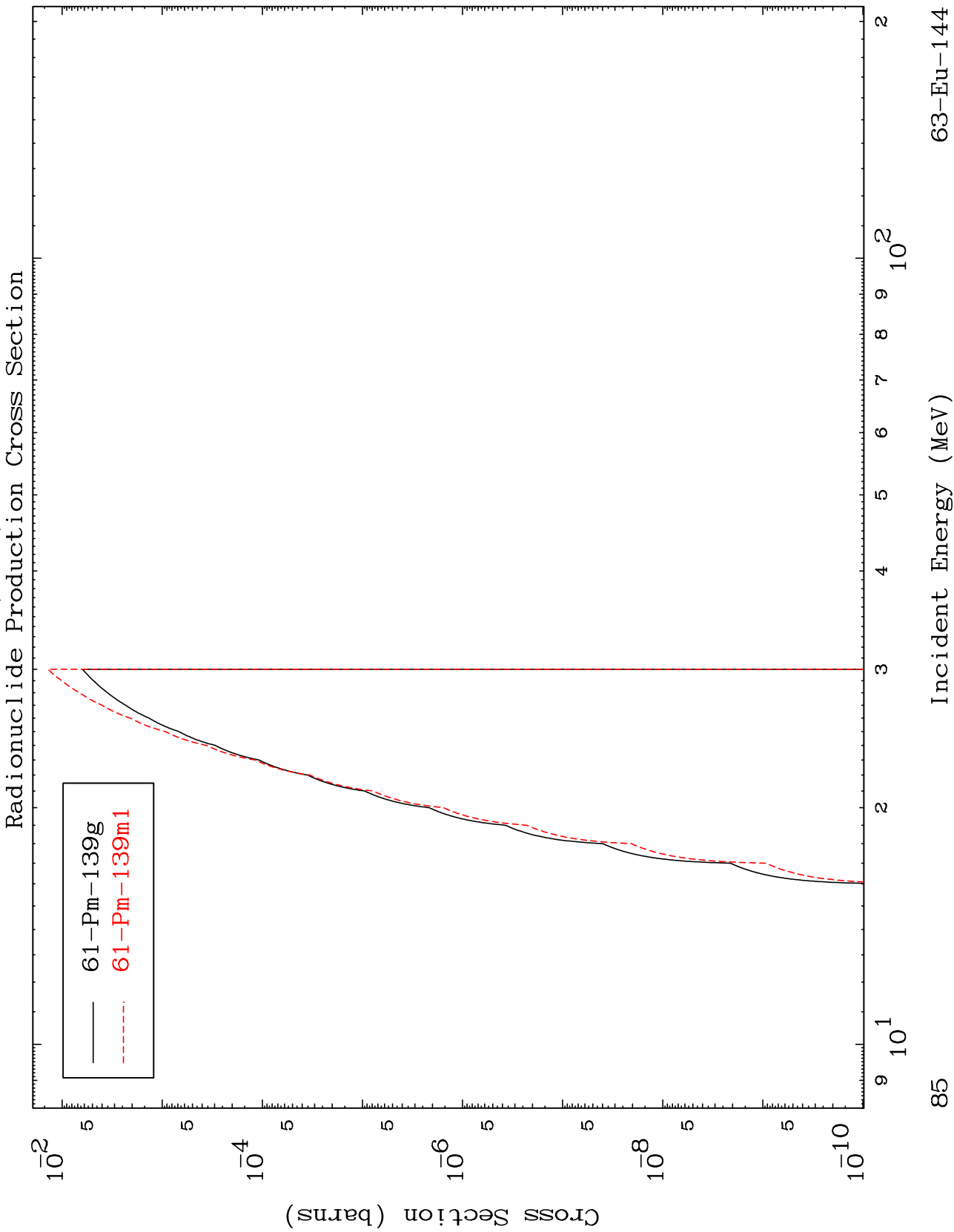
Incident Energy (MeV)

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

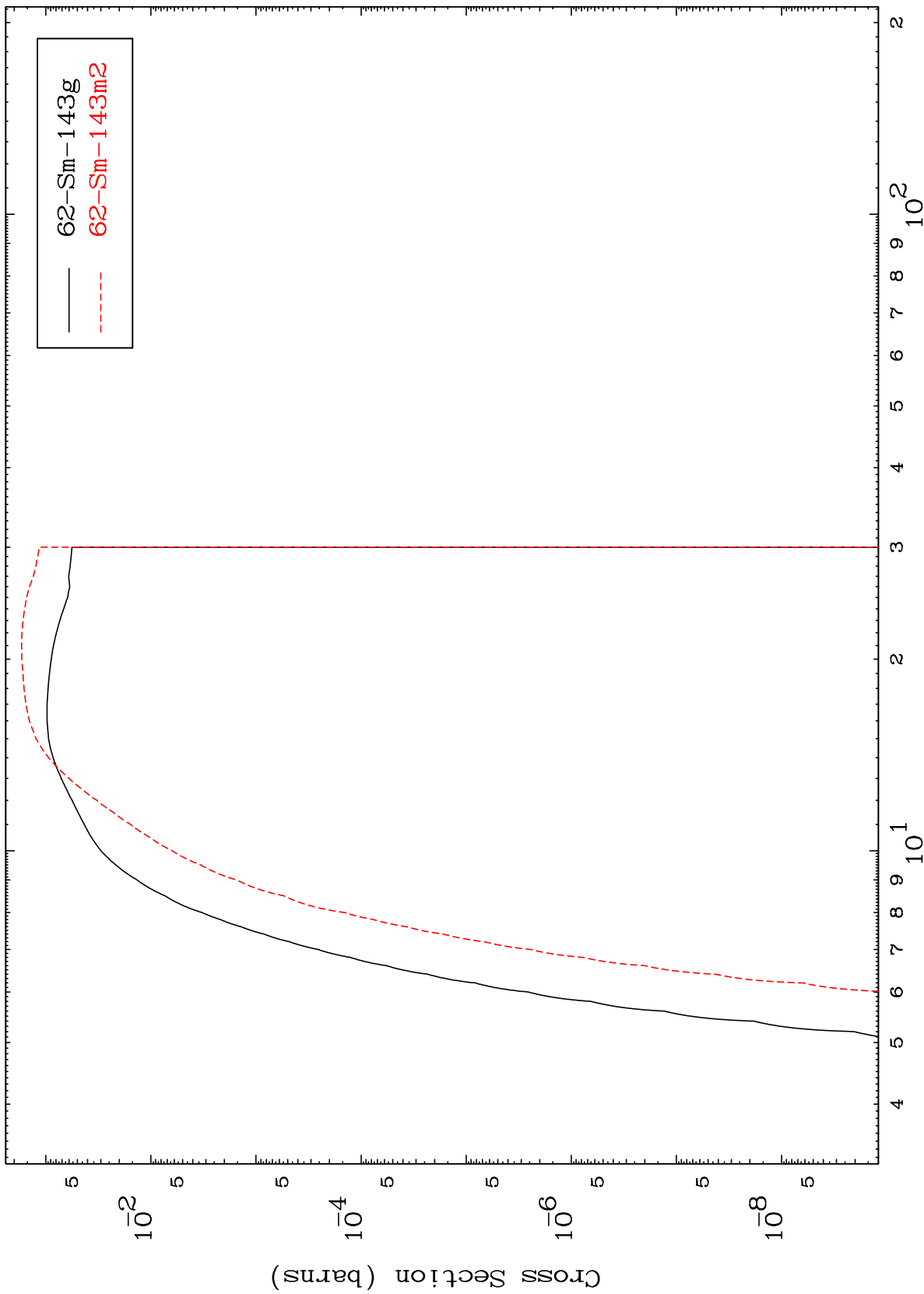
MAT 6304

(n,2n)  $\alpha$

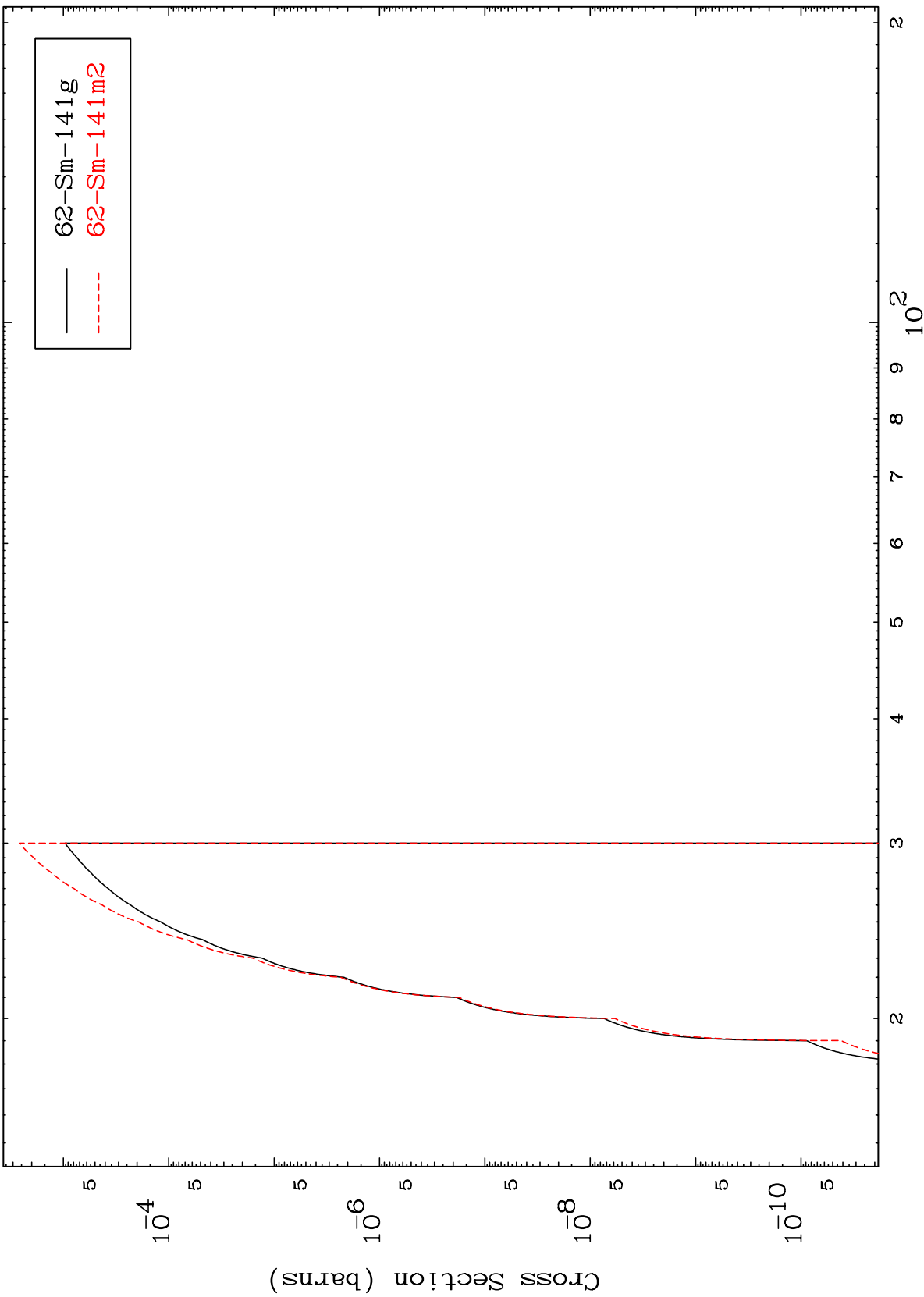
63-Eu-144



(n,n') p  
Radionuclide Production Cross Section

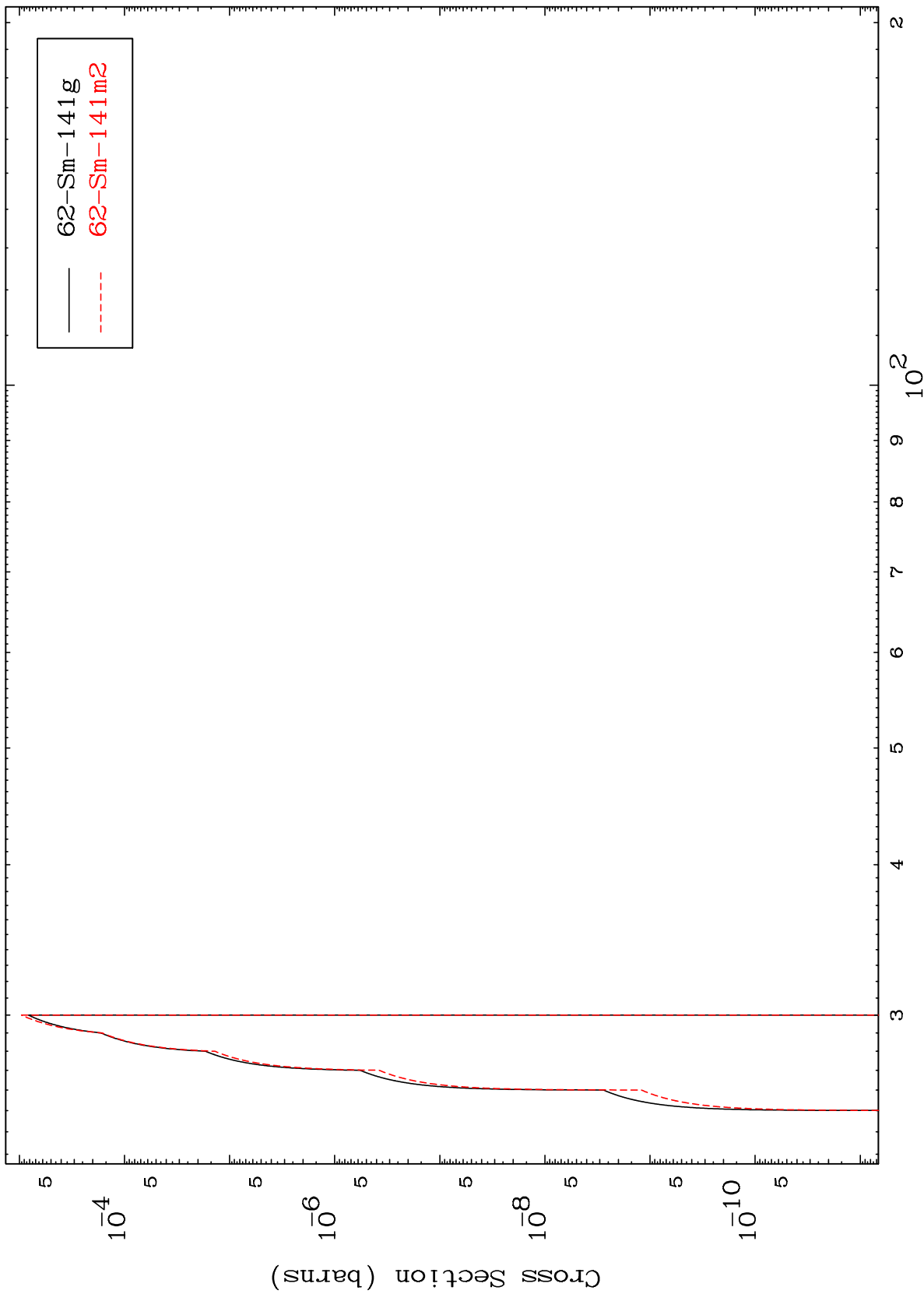


Radionuclide Production Cross Section

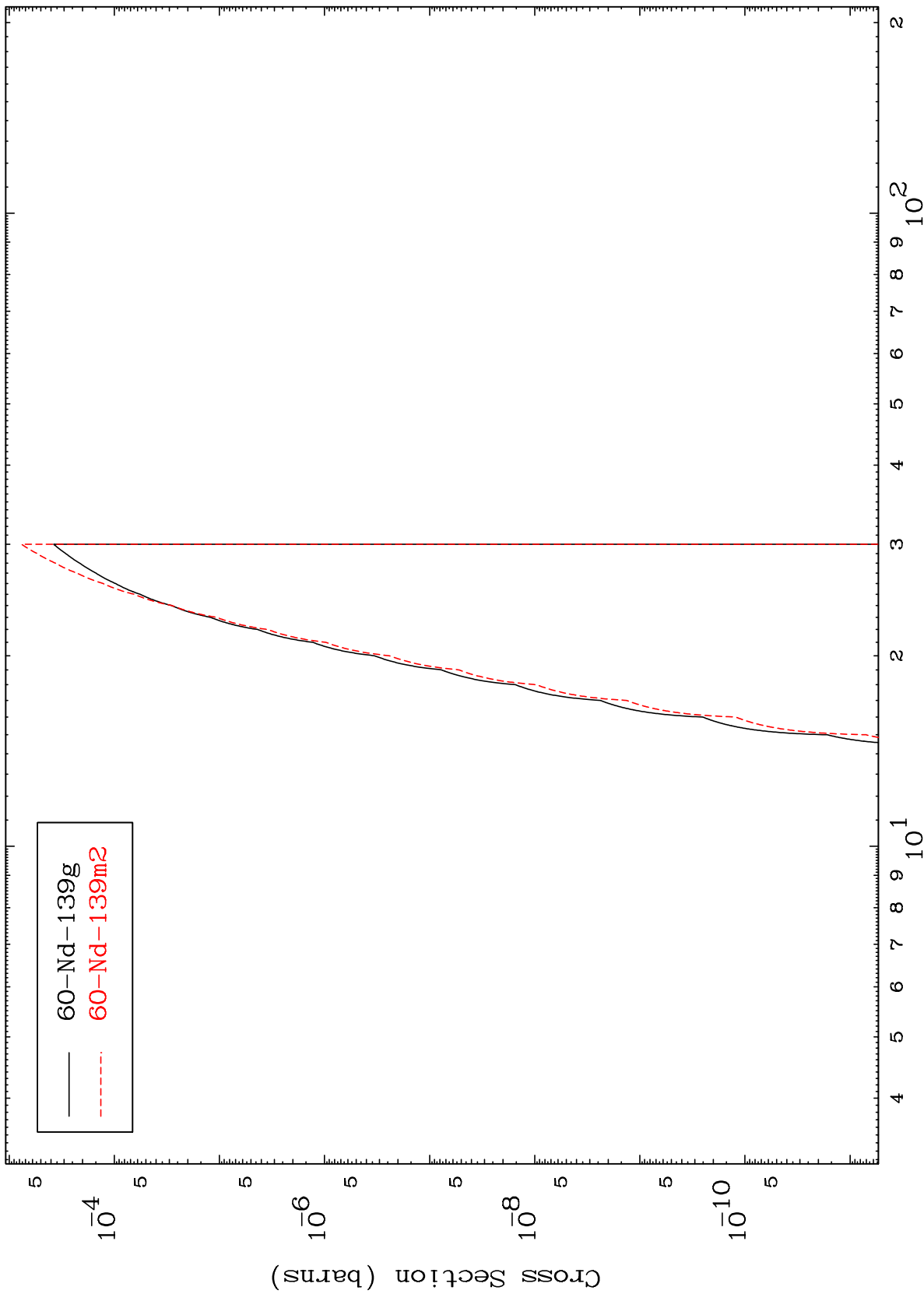




Radionuclide Production Cross Section



Radionuclide Production Cross Section

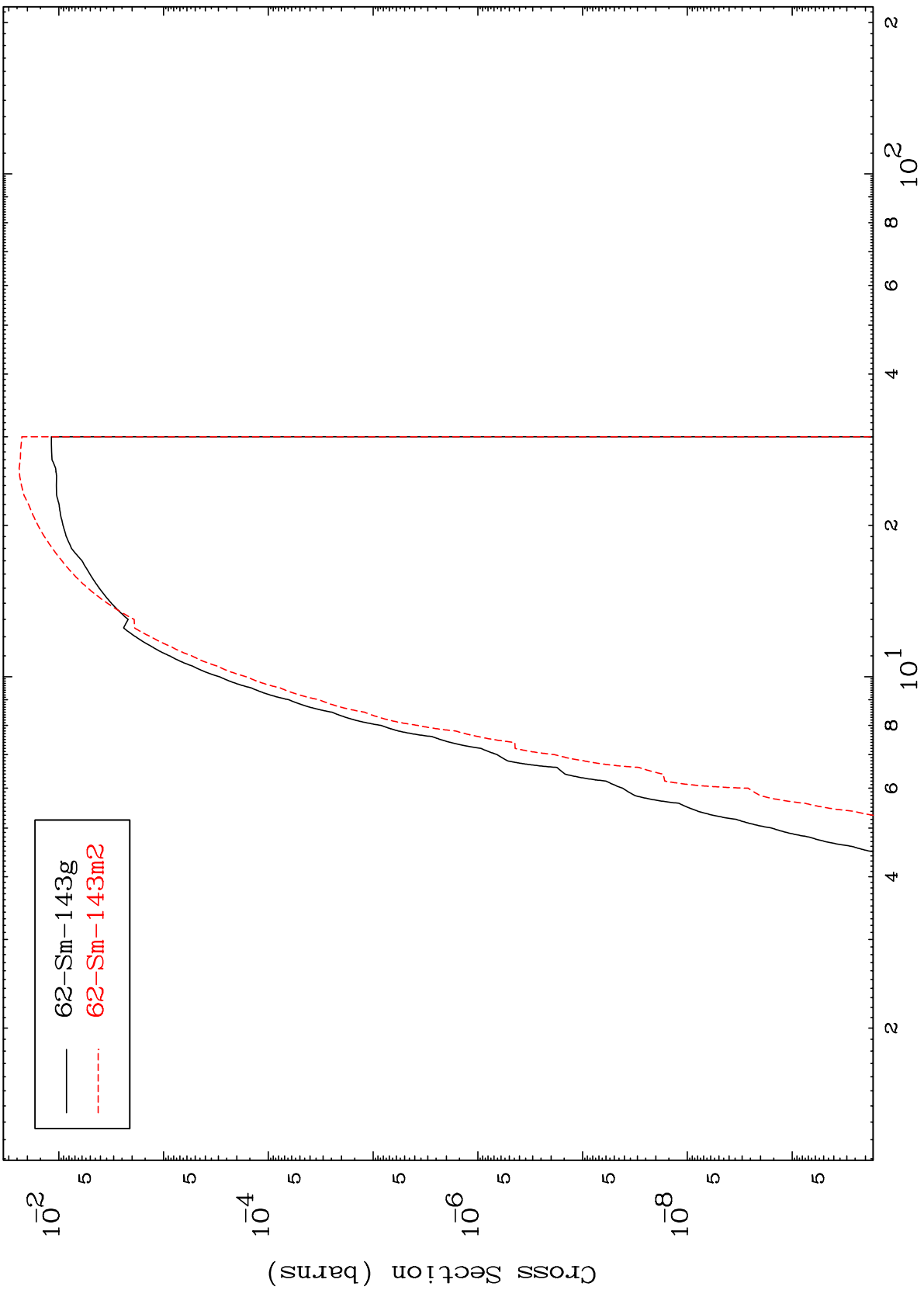


MAT 6304

(n,d)

63-Eu-144

Radionuclide Production Cross Section



62-Sm-143g  
62-Sm-143m2

90

Incident Energy (MeV)

63-Eu-144

MAT 6304

(n,d)  $\alpha$

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

Radionuclide Production Cross Section

