

Program EVALPLOT  
(Version 2018-1)

by

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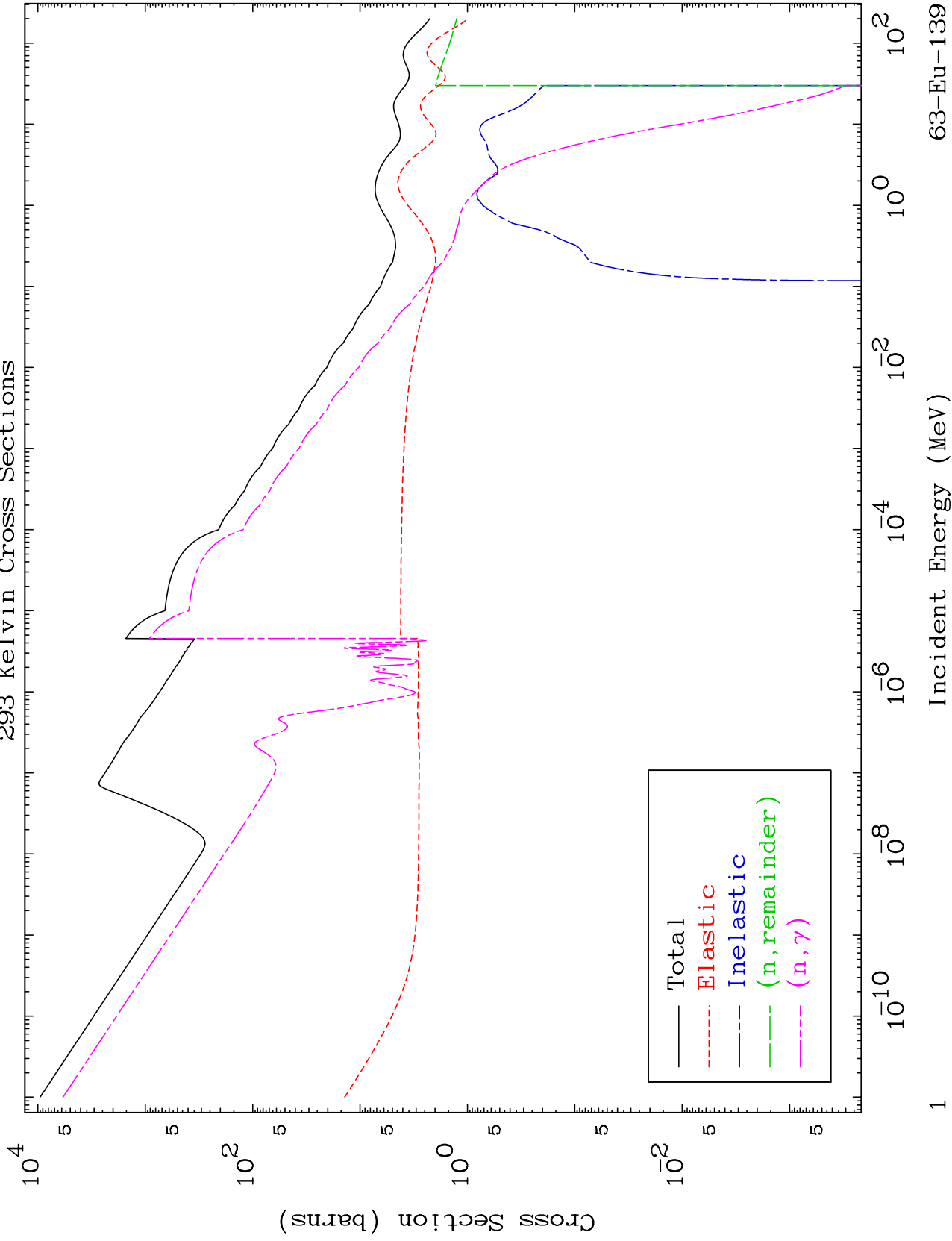
Press Mouse Button to Start

MAT 6289

Major

293 Kelvin Cross Sections

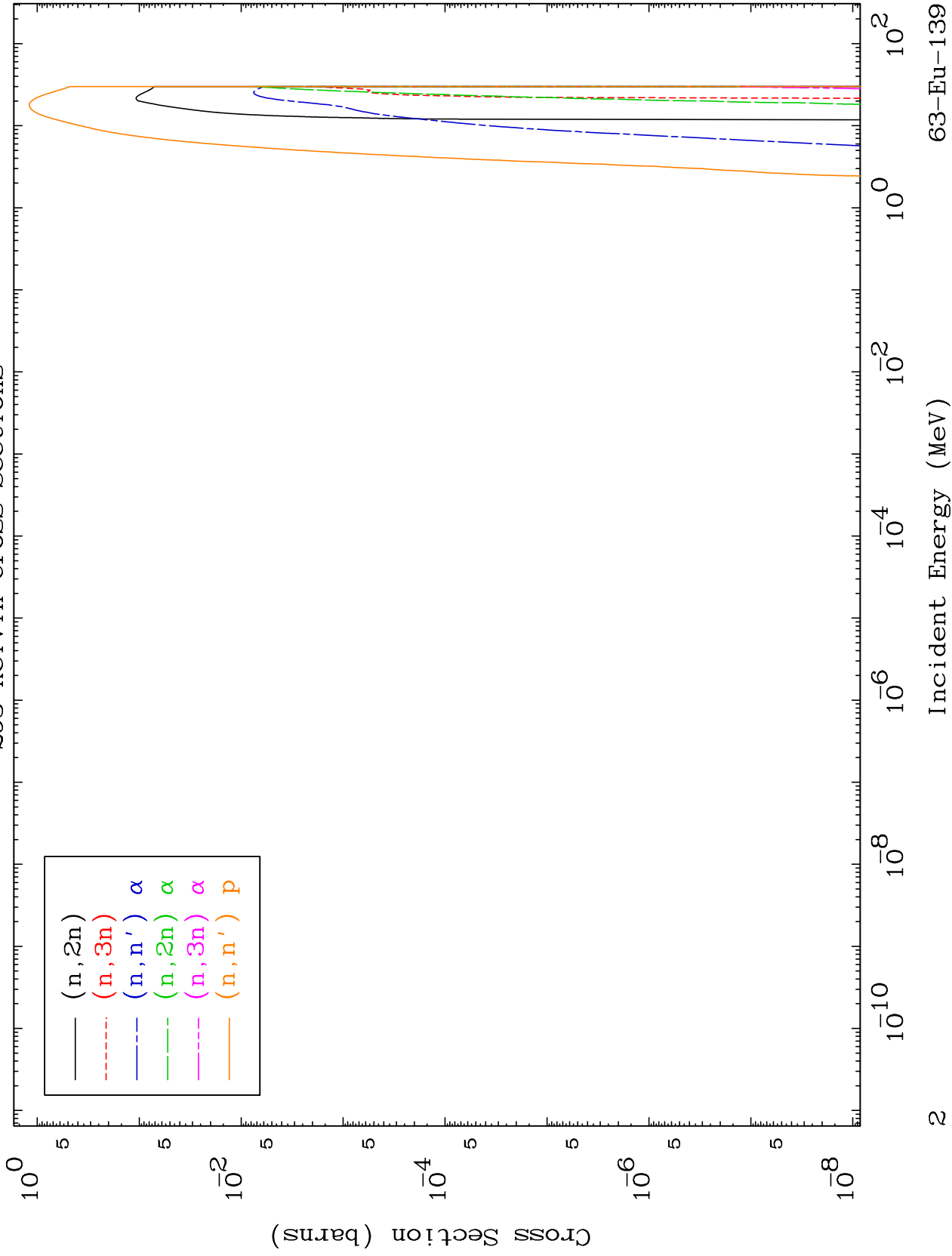
63-Eu-139



MAT 6289

Neutron Production  
293 Kelvin Cross Sections

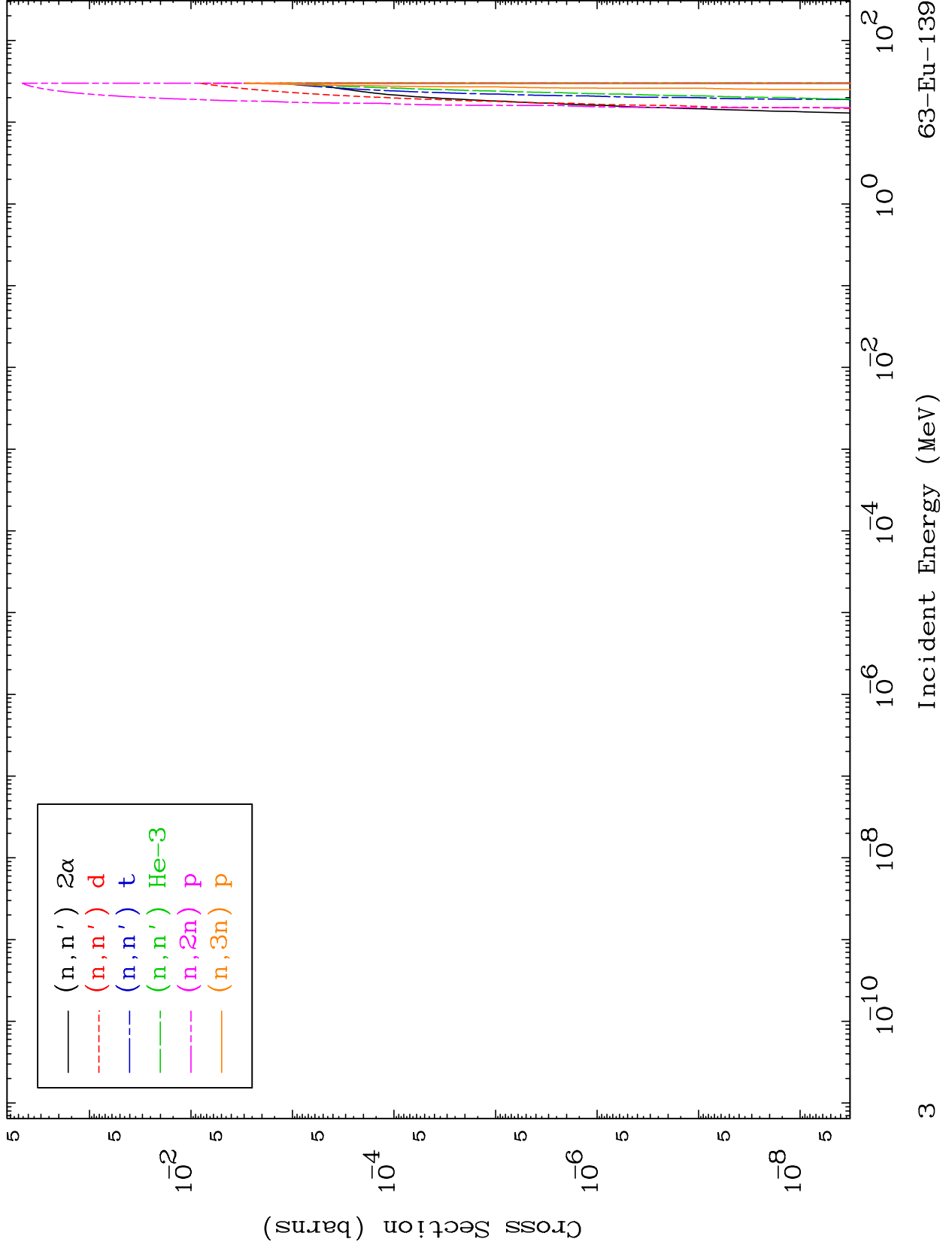
63-Eu-139



MAT 6289

Neutron Production  
293 Kelvin Cross Sections

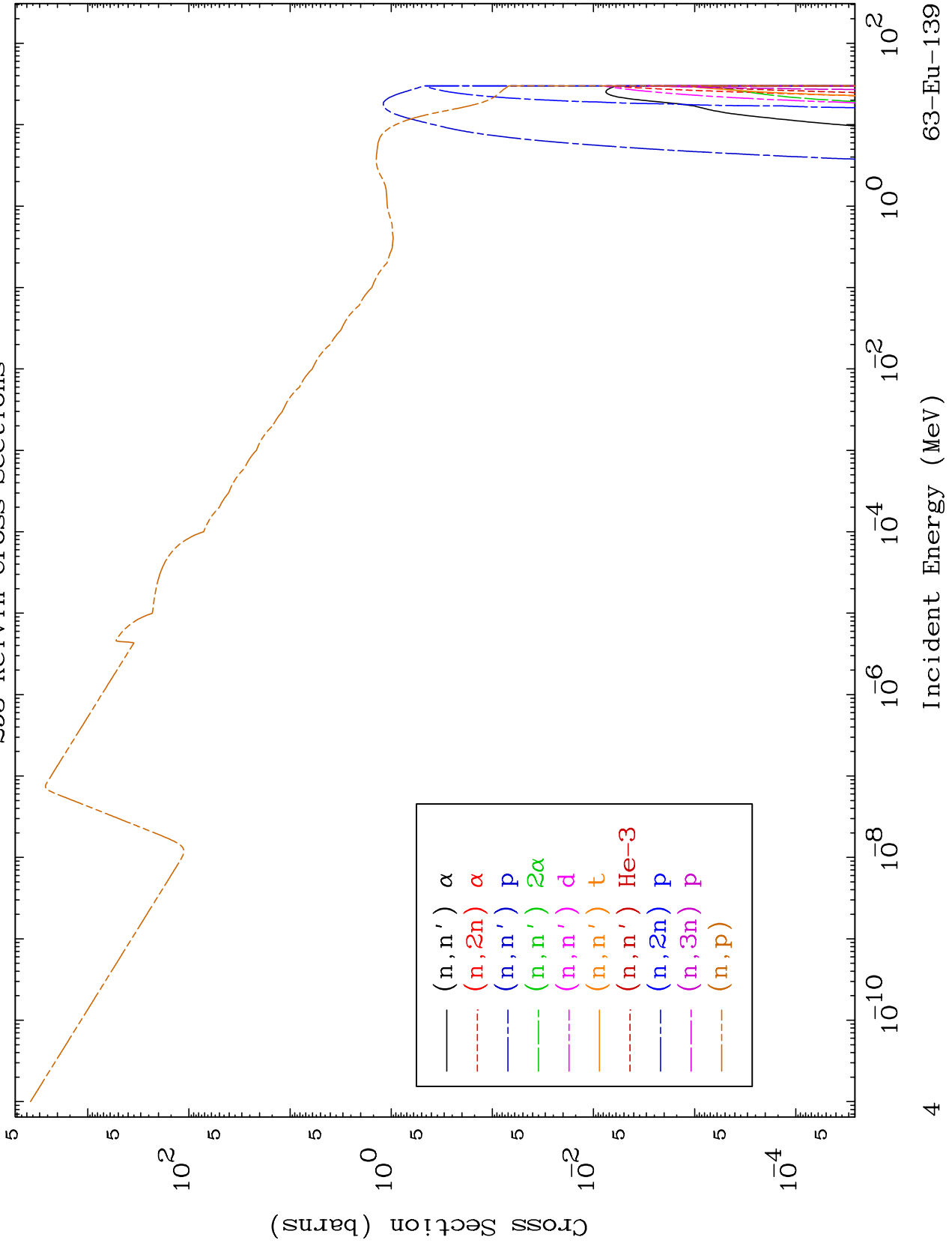
63-Eu-139



MAT 6289

Charged Particle  
293 Kelvin Cross Sections

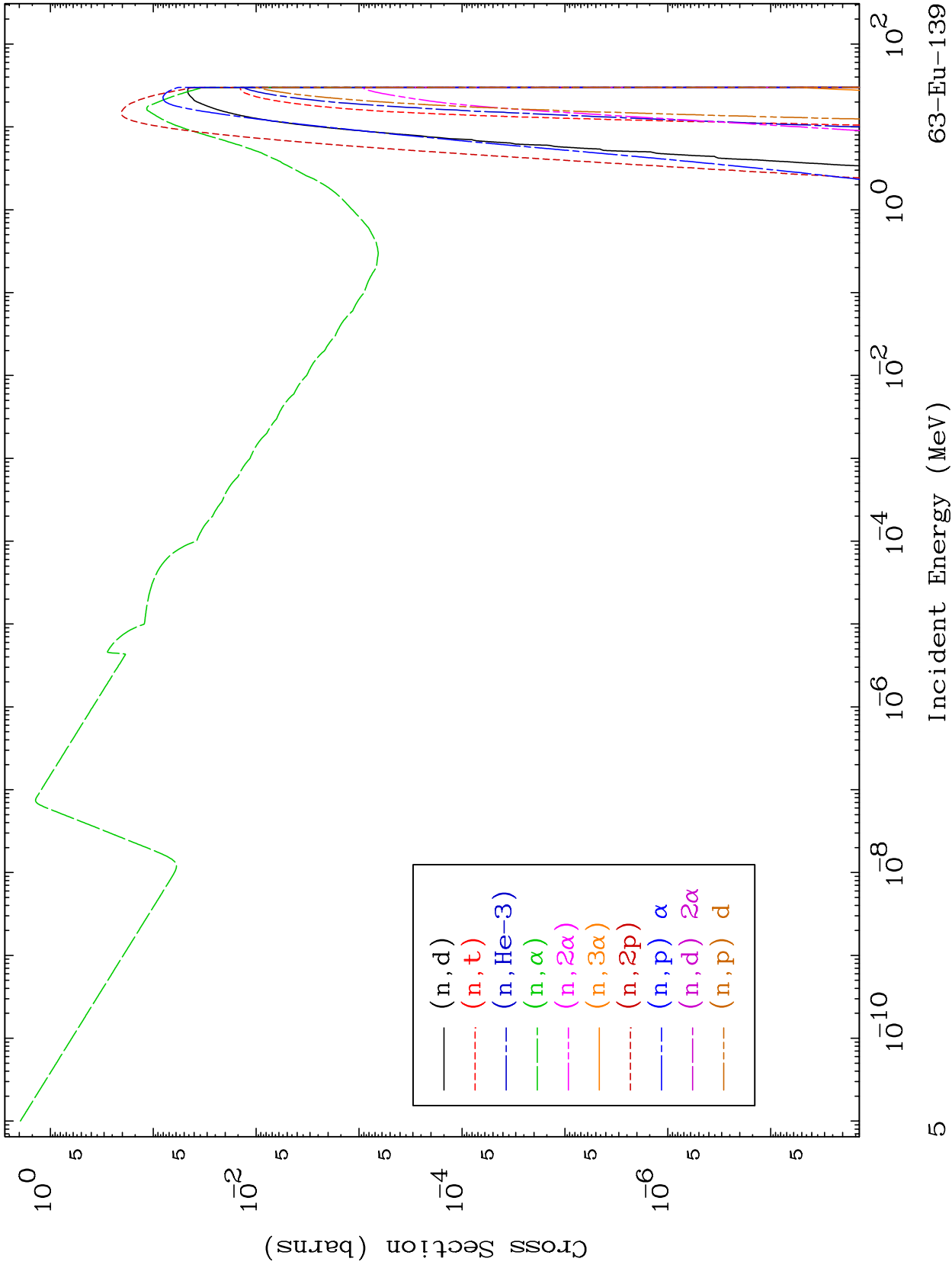
63-Eu-139



MAT 6289

Charged Particle  
293 Kelvin Cross Sections

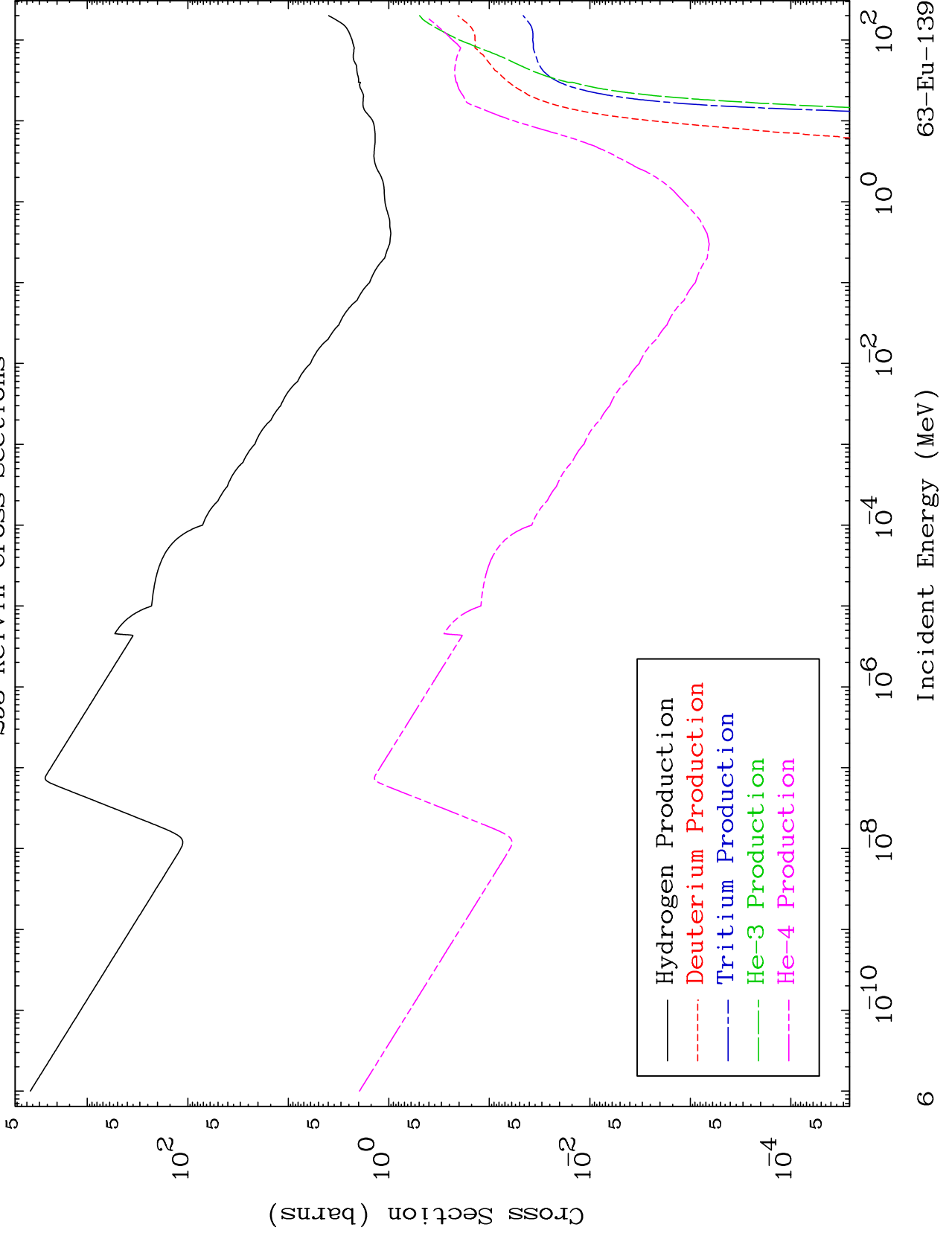
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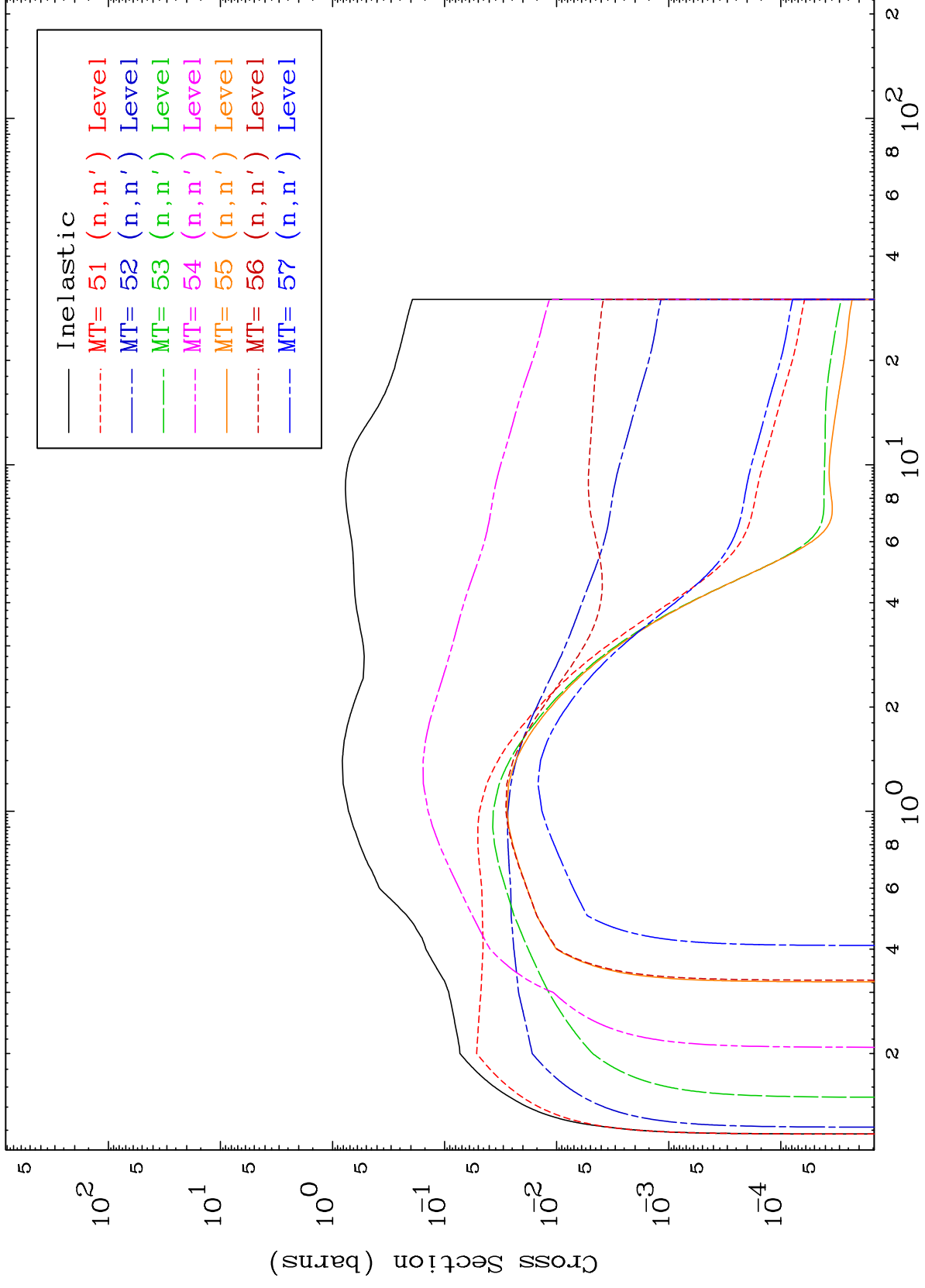
MAT 6289

Particle Production  
293 Kelvin Cross Sections

63-Eu-139



293 Kelvin Cross Sections



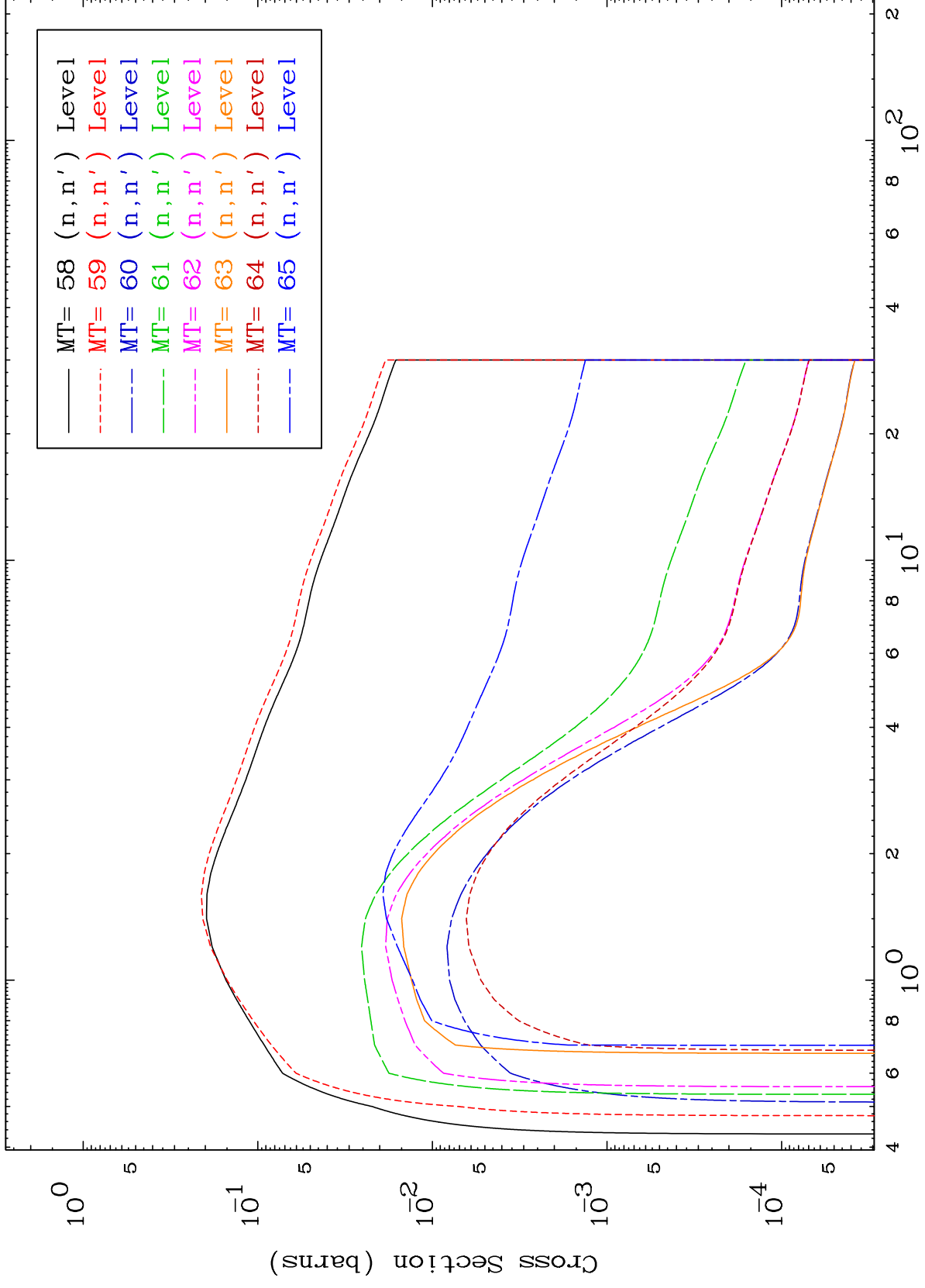


MAT 6289

(n,n') Level

63-Eu-139

293 Kelvin Cross Sections



8

Incident Energy (MeV)

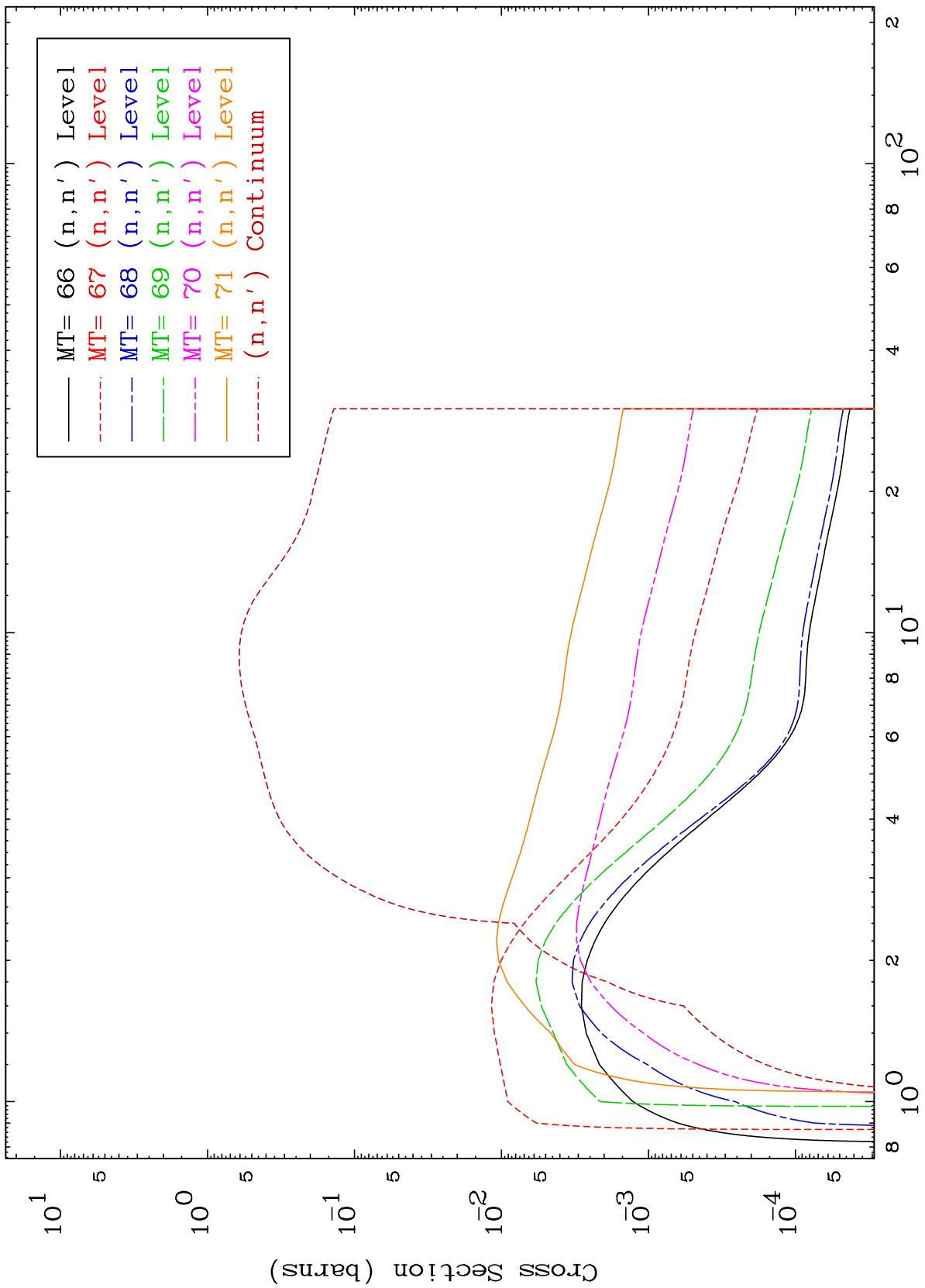
63-Eu-139

MAT 6289

(n,n') Level

63-Eu-139

293 Kelvin Cross Sections



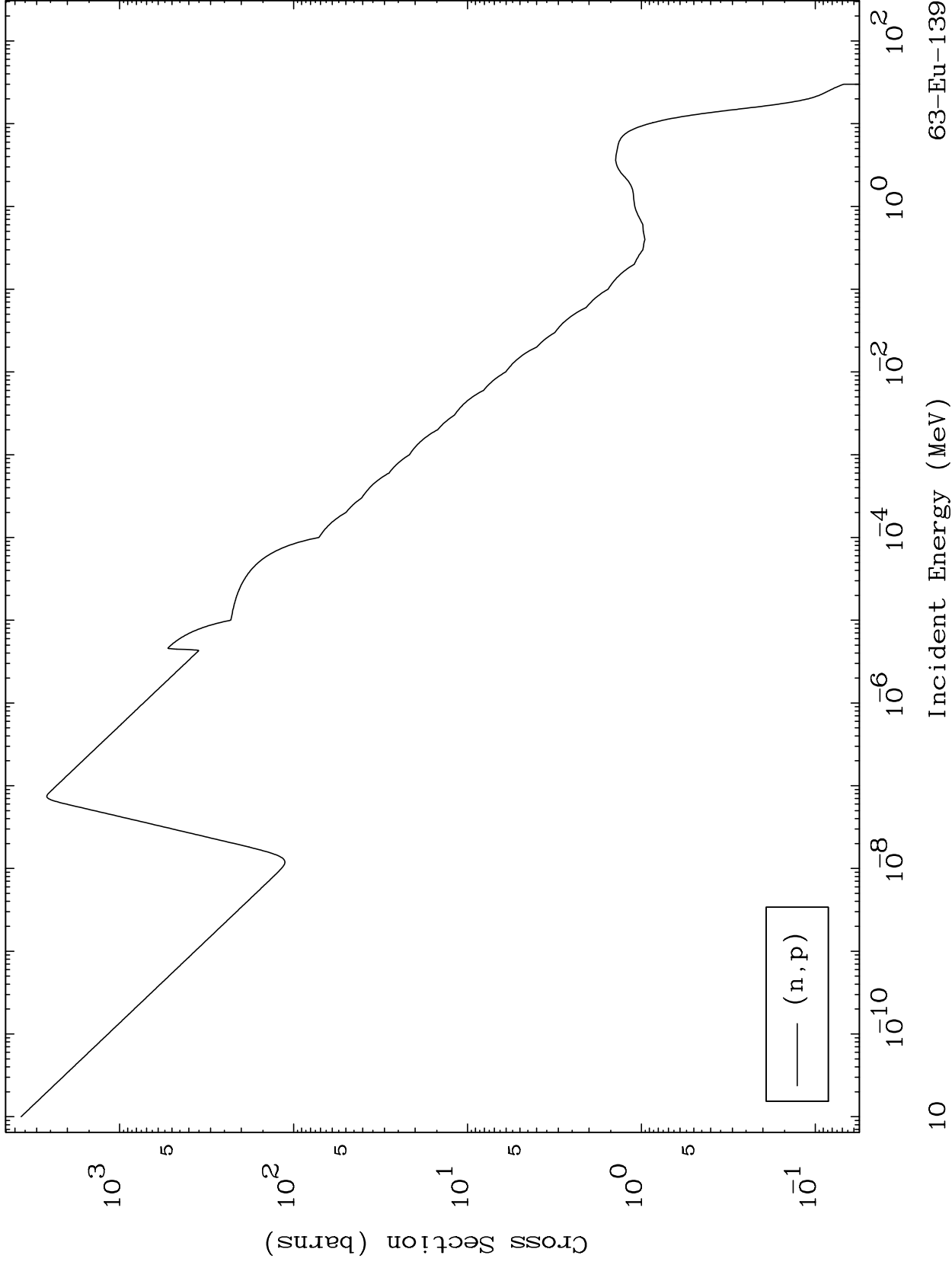
Incident Energy (MeV)

63-Eu-139

MAT 6289

(n,p) Levels  
293 Kelvin Cross Sections

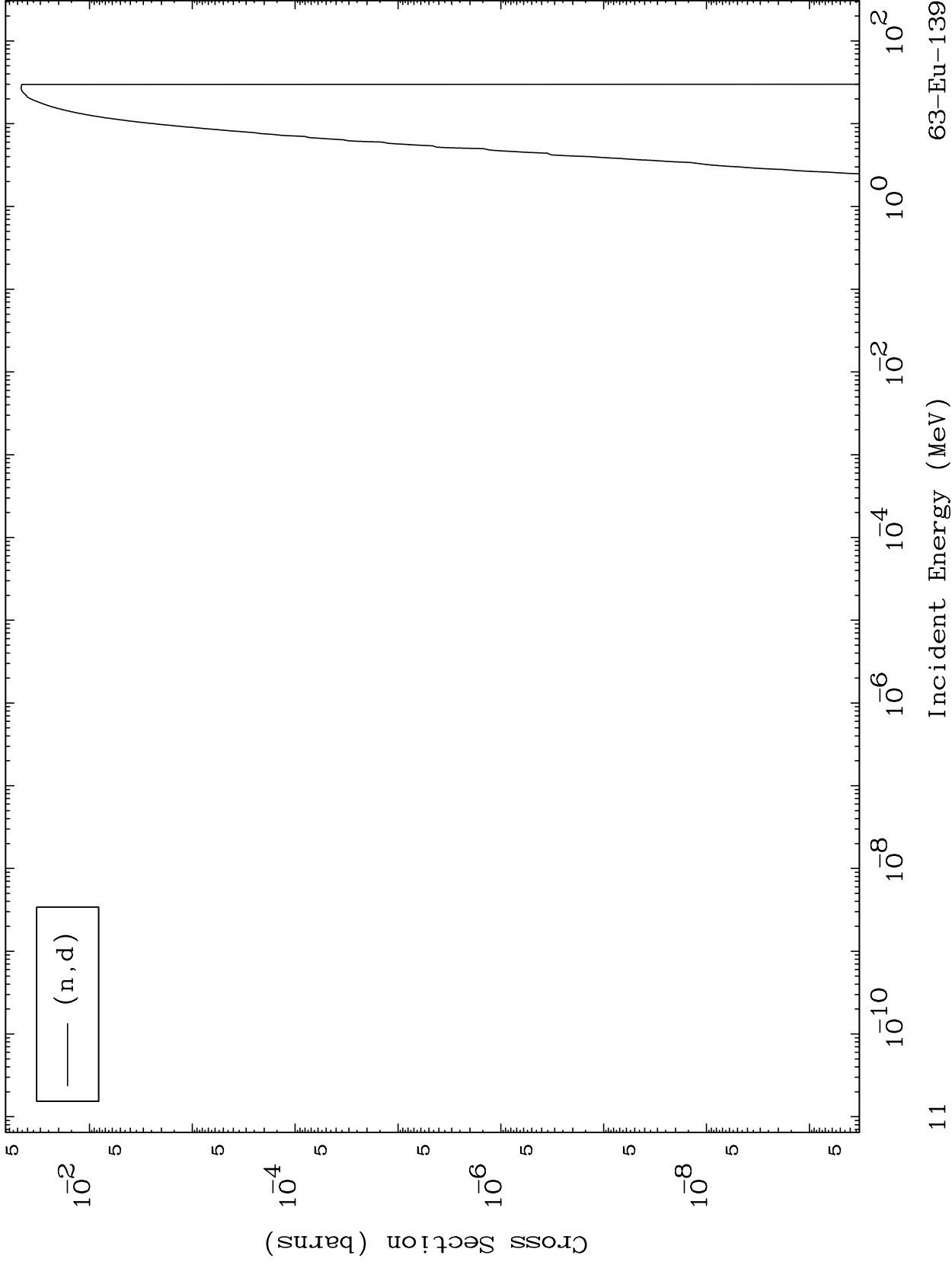
63-Eu-139



MAT 6289

(n,d) Levels  
293 Kelvin Cross Sections

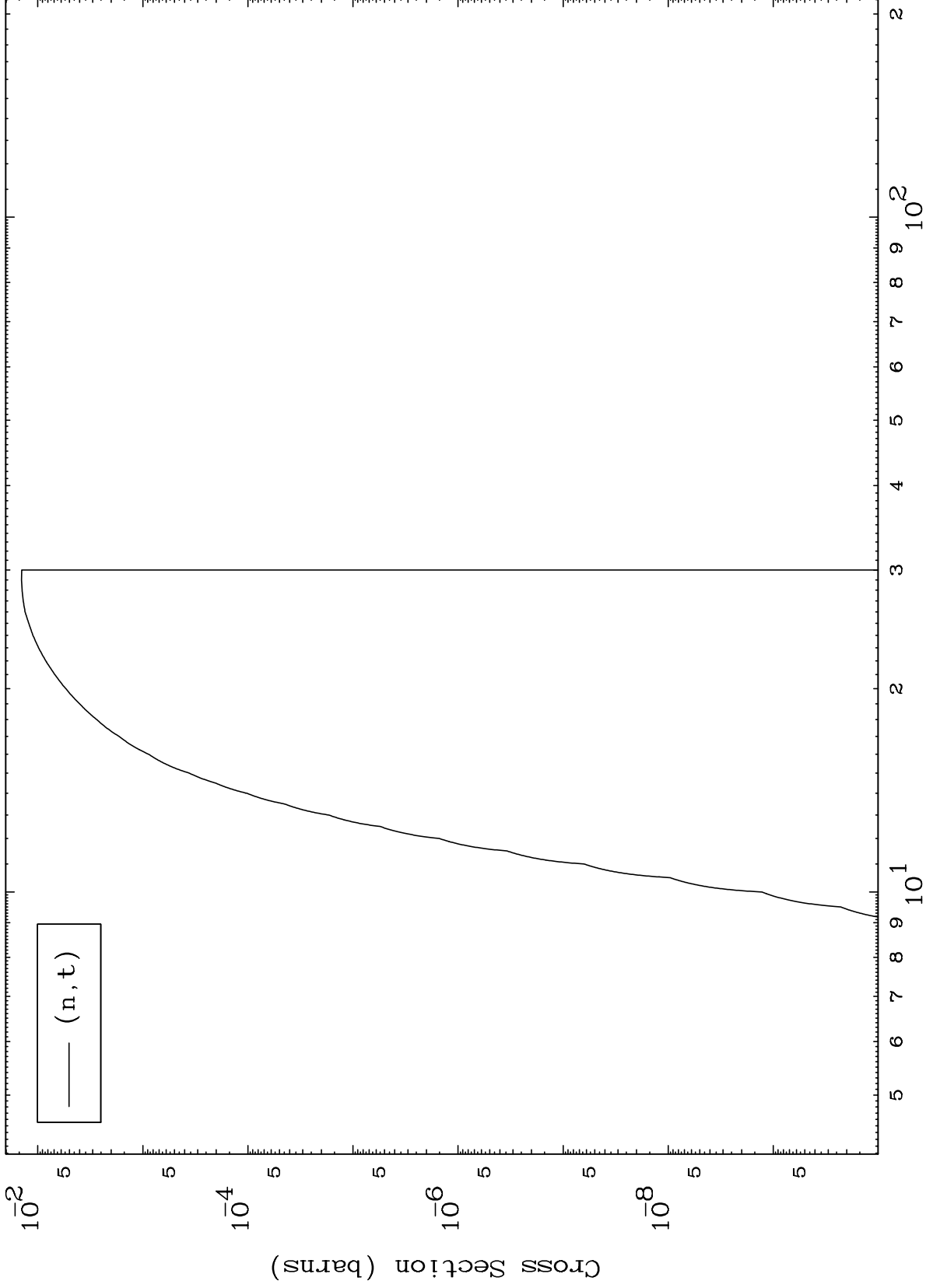
63-Eu-139



MAT 6289

(n,t) Levels  
293 Kelvin Cross Sections

63-Eu-139



12

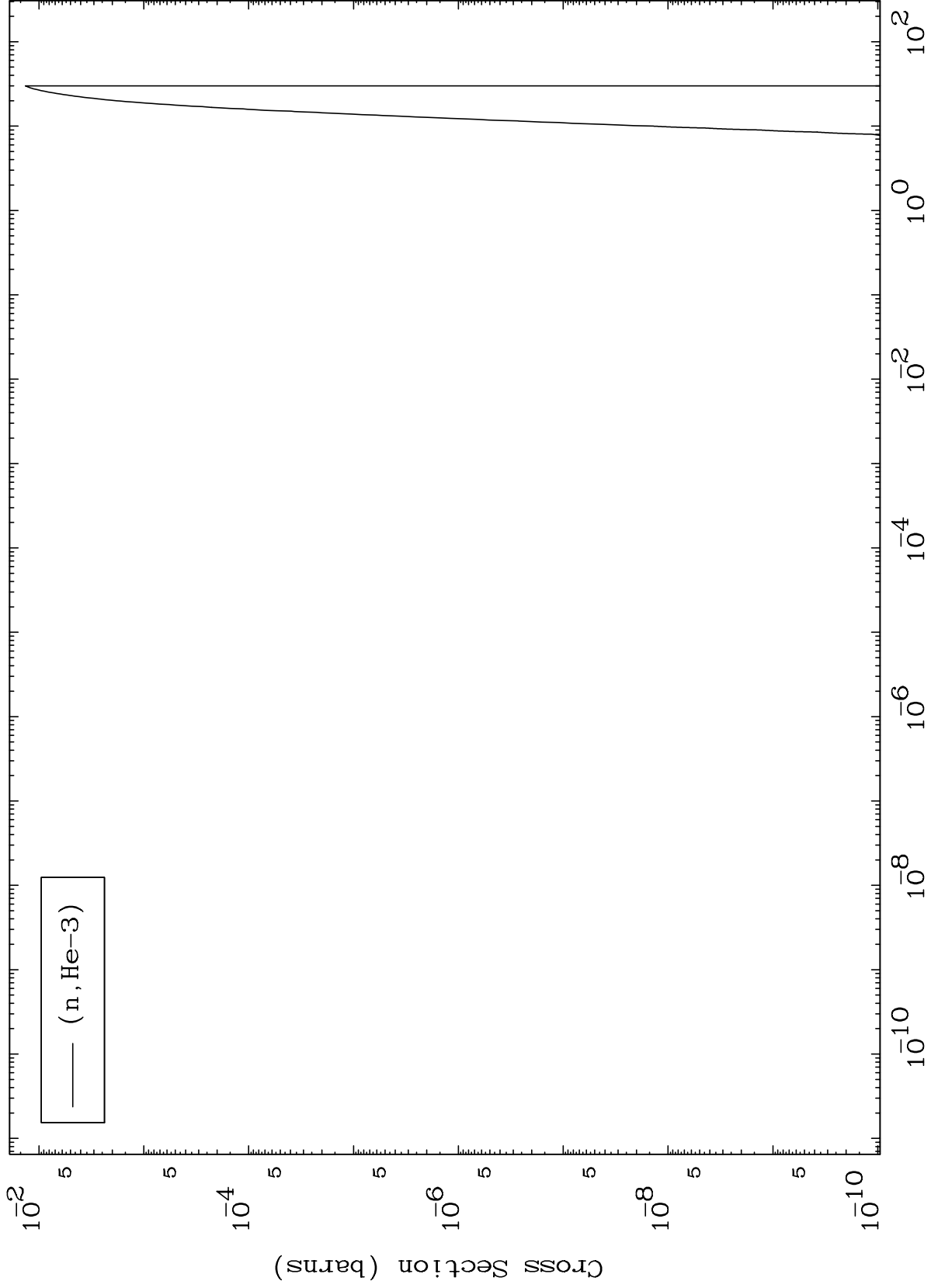
Incident Energy (MeV)

63-Eu-139

MAT 6289

(n,He3) Levels  
293 Kelvin Cross Sections

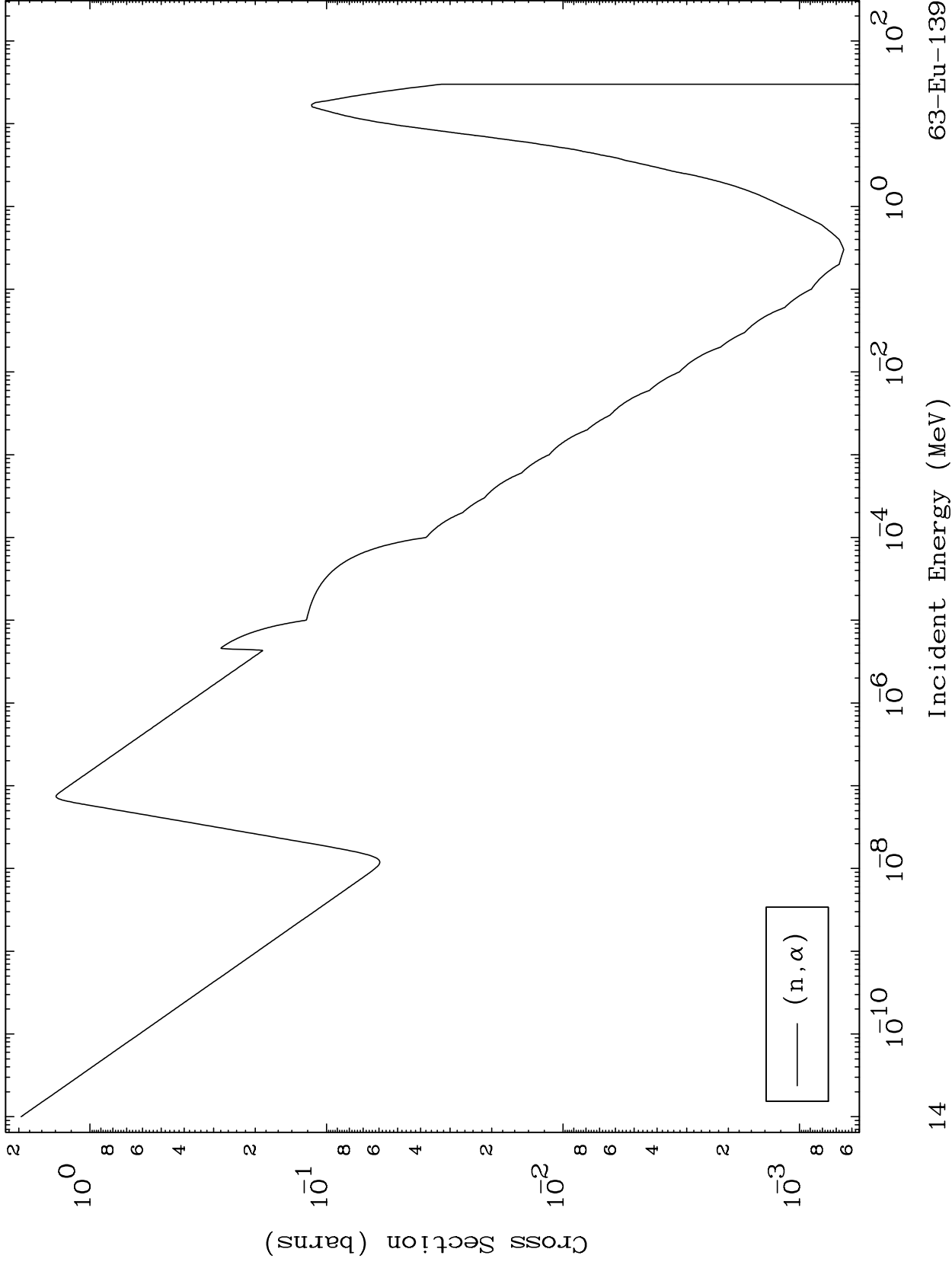
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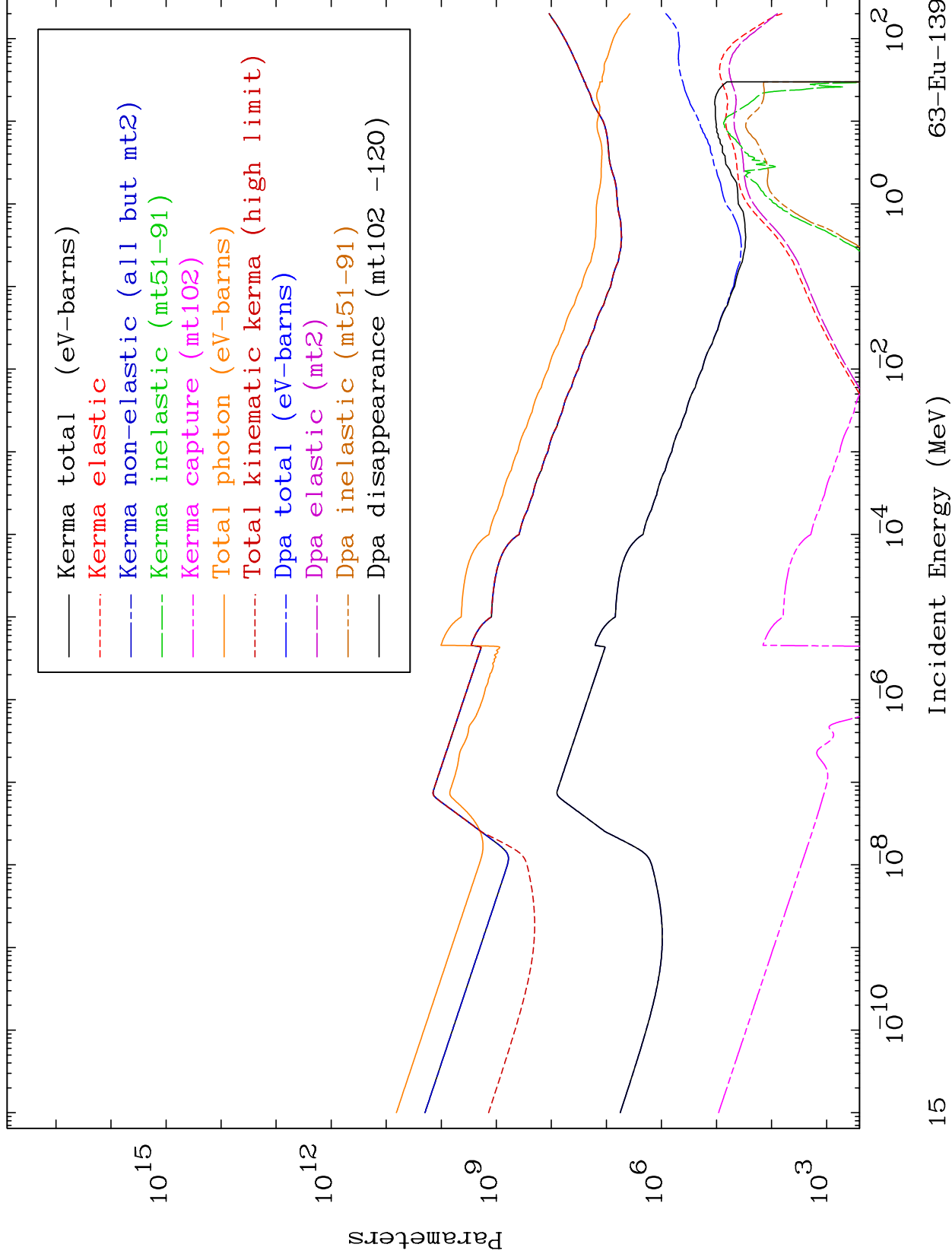


MAT 6289

(n,α) Levels  
293 Kelvin Cross Sections

63-Eu-139



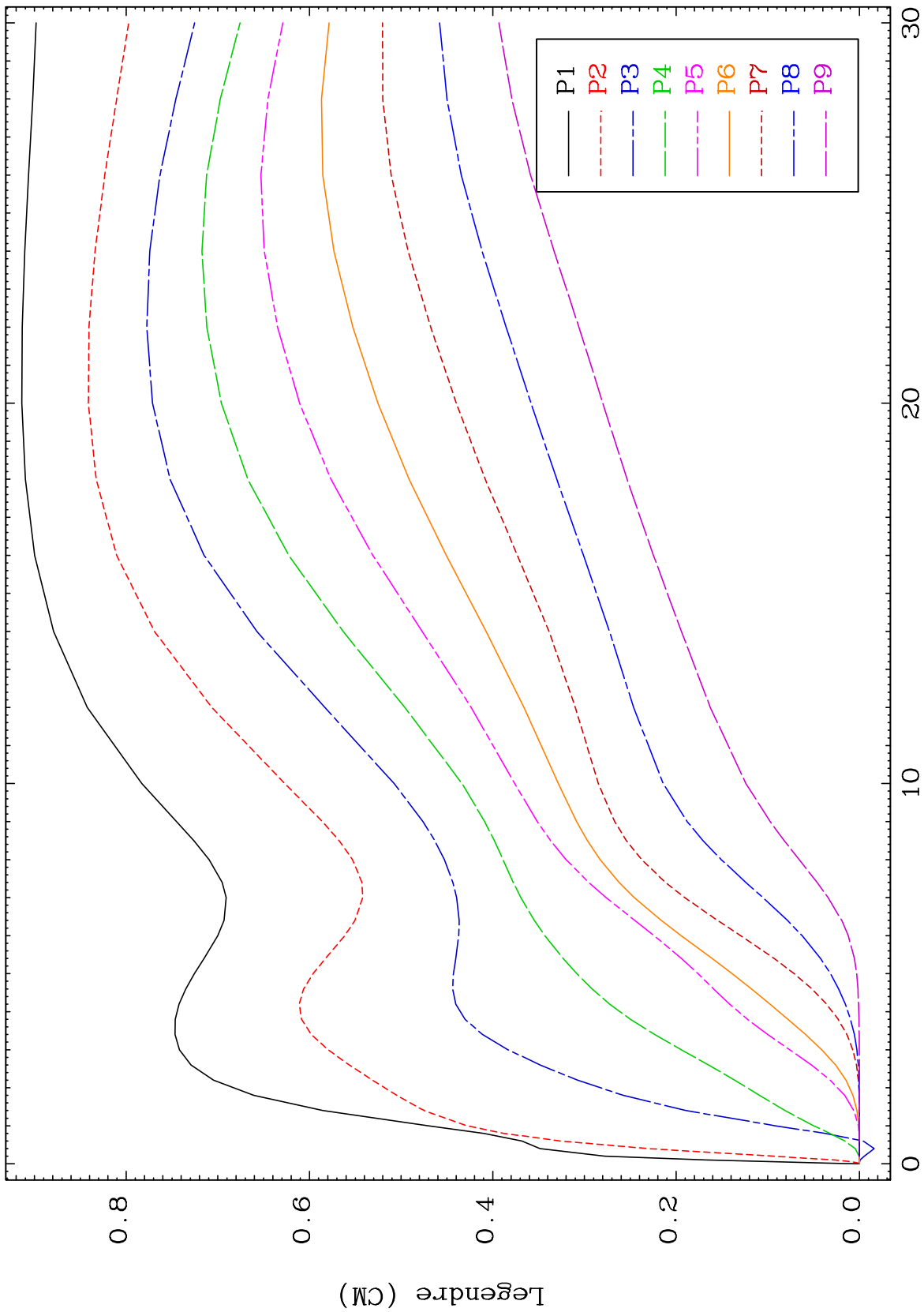




MAT 6289

63-Eu-139

Elastic Legendre Coefficients



16

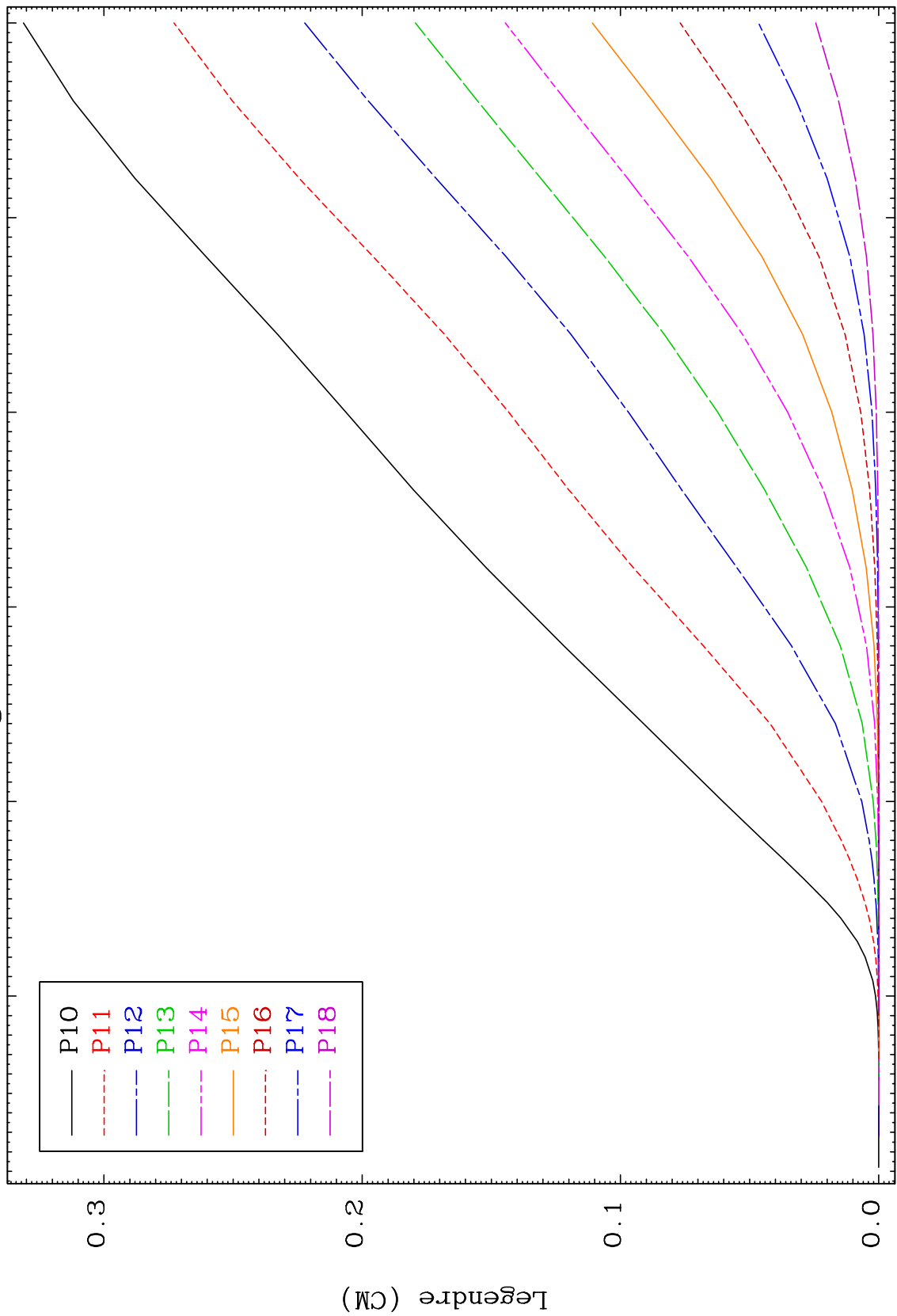
Incident Energy (MeV)

63-Eu-139

MAT 6289

Elastic Legendre Coefficients

63-Eu-139



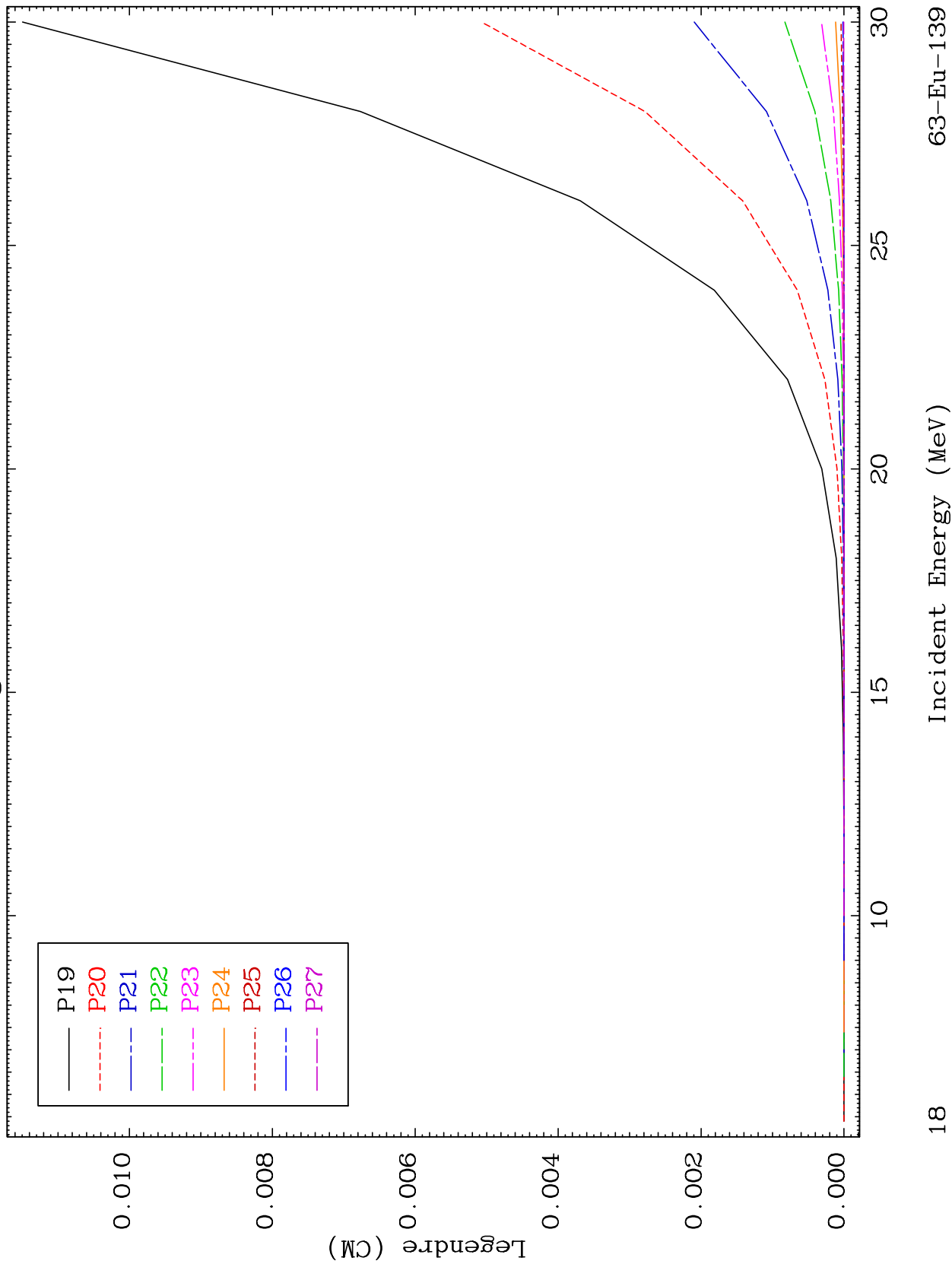
17

63-Eu-139

MAT 6289

### Elastic Legendre Coefficients

63-Eu-139



18

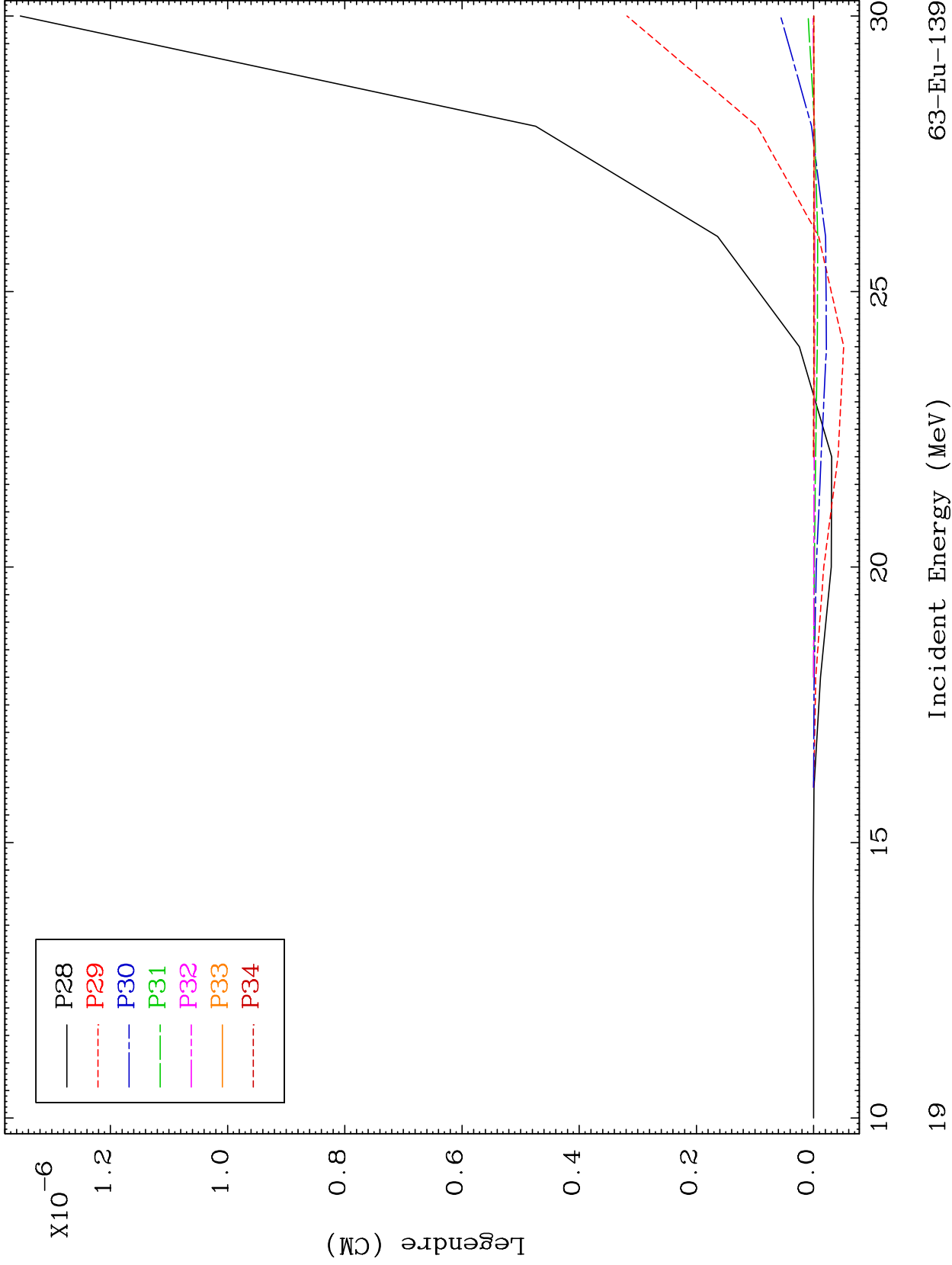
Incident Energy (MeV)

63-Eu-139

MAT 6289

Elastic Legendre Coefficients

63-Eu-139



19

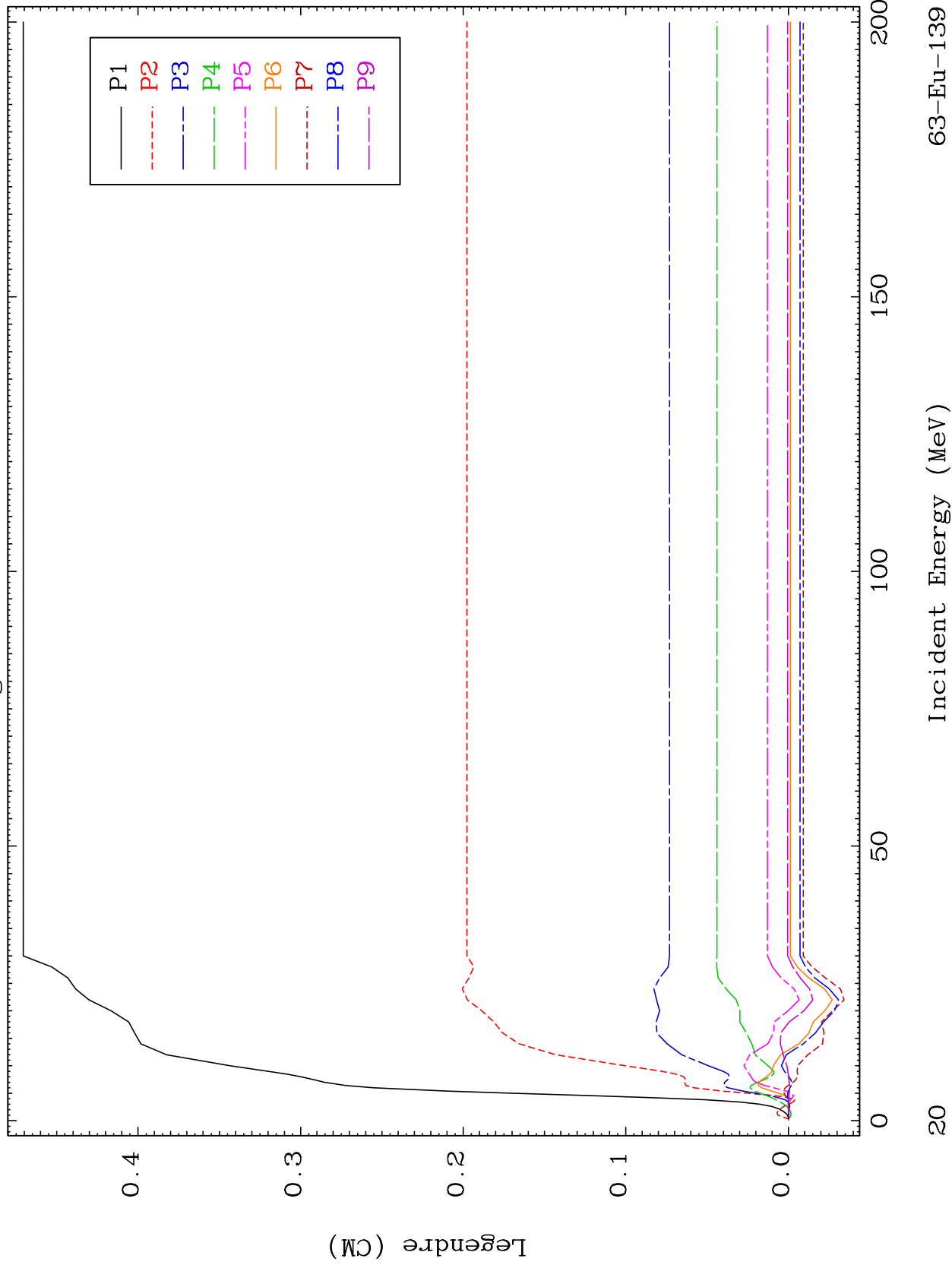
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



63-Eu-139

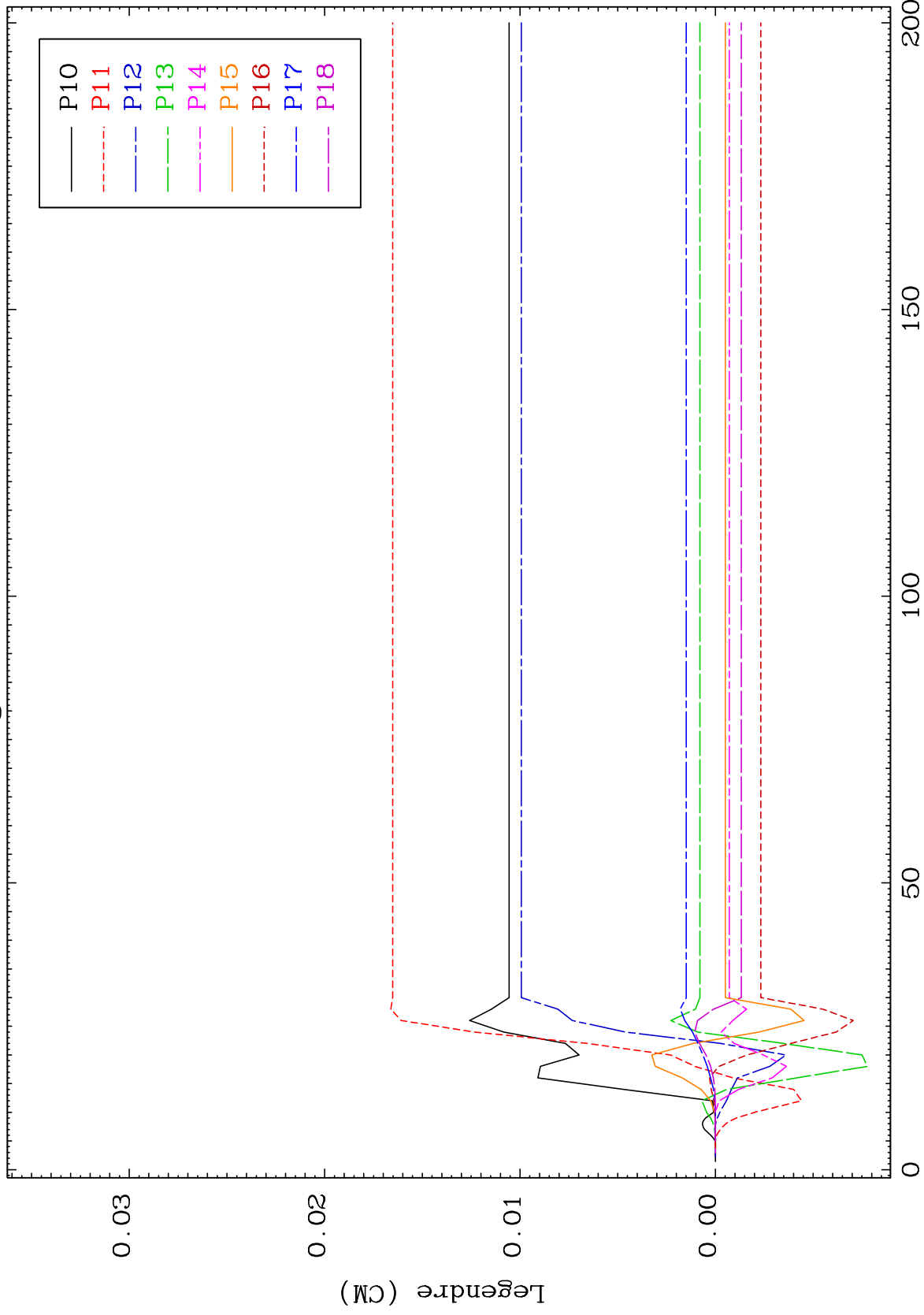
Incident Energy (MeV)

0

MAT 6289

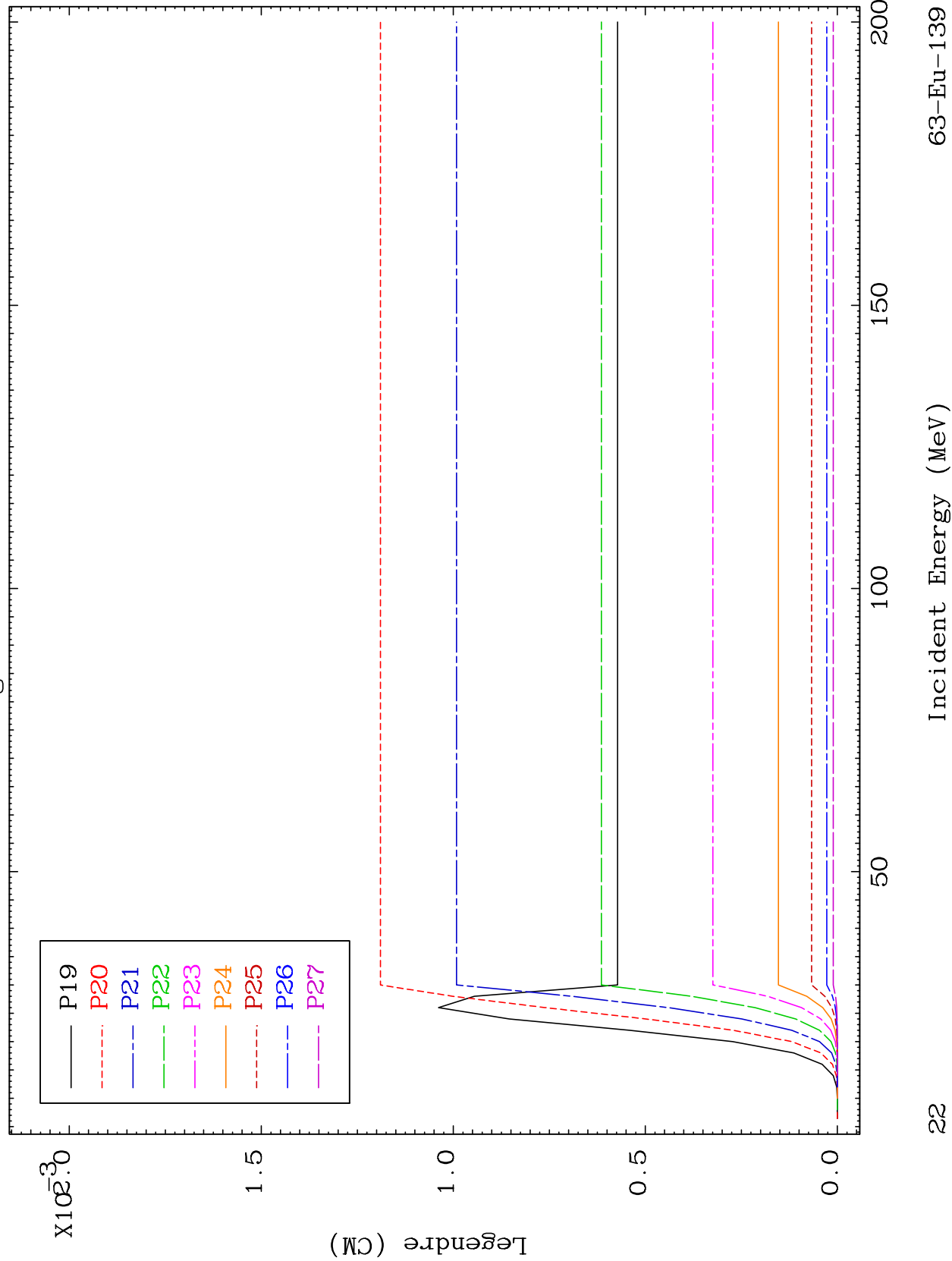
MT= 51 (n,n') Level  
Legendre Coefficients

63-Eu-139



21

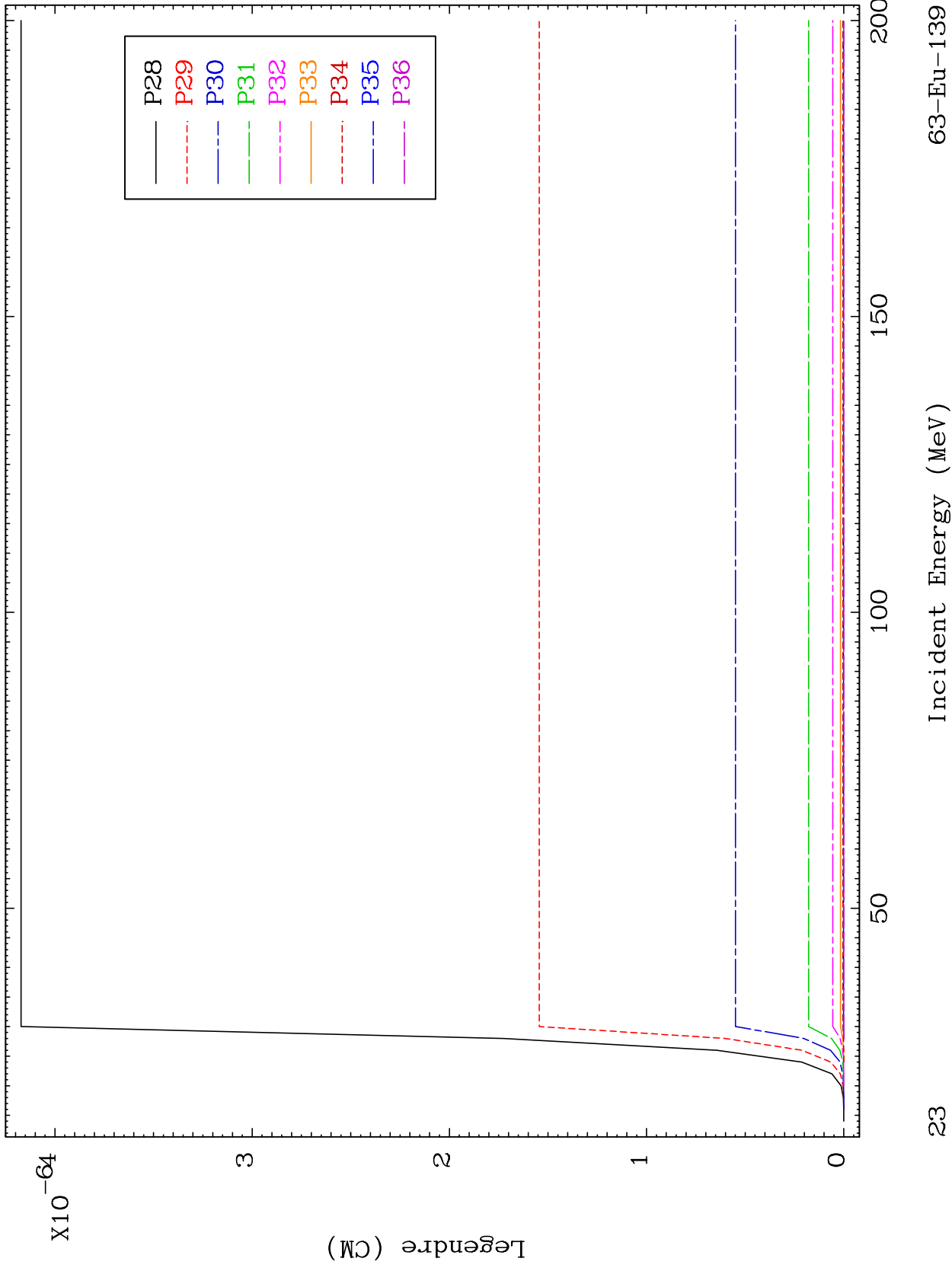
63-Eu-139



MAT 6289

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

63-Eu-139



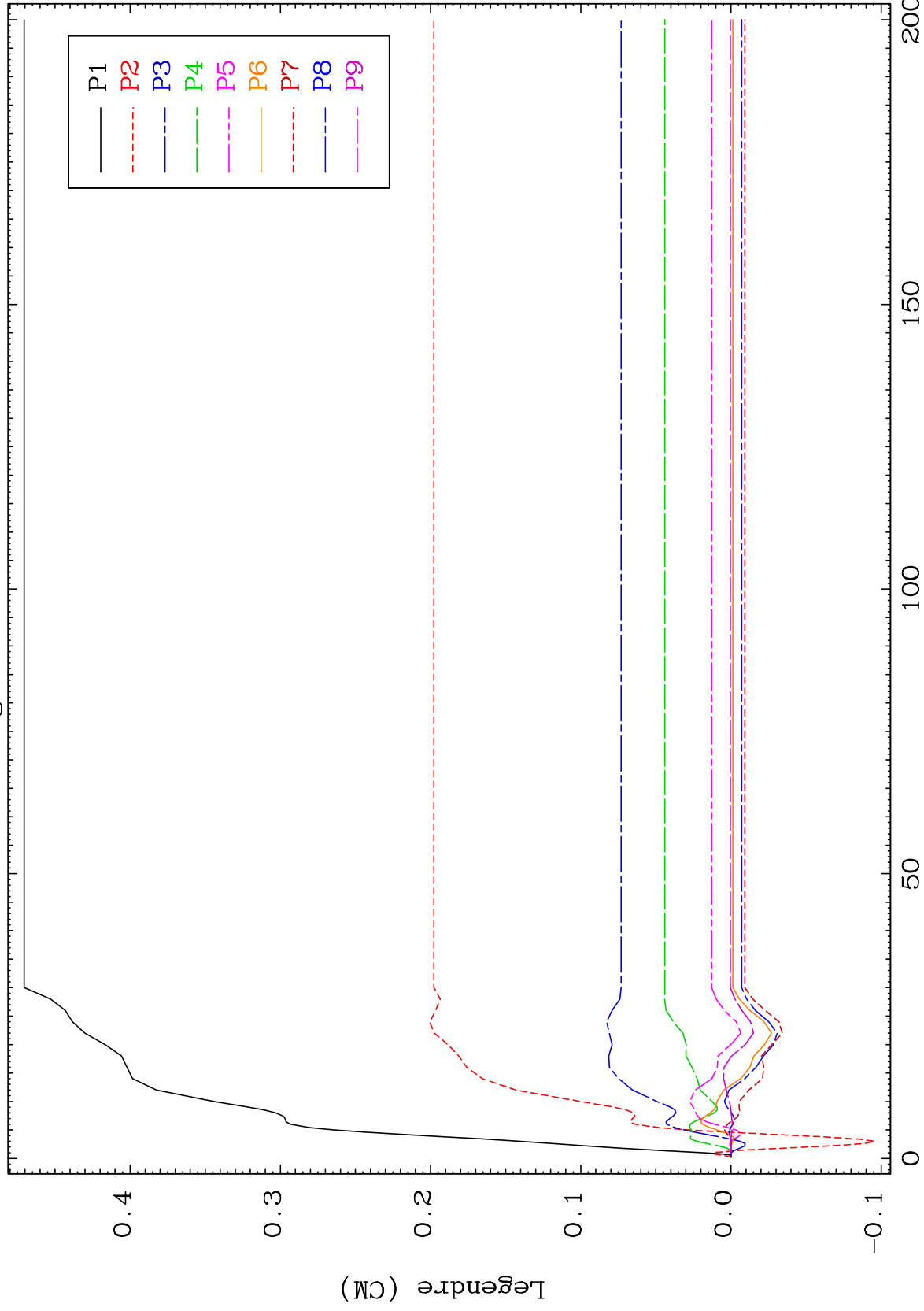
23



MAT 6289

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

63-Eu-139



63-Eu-139

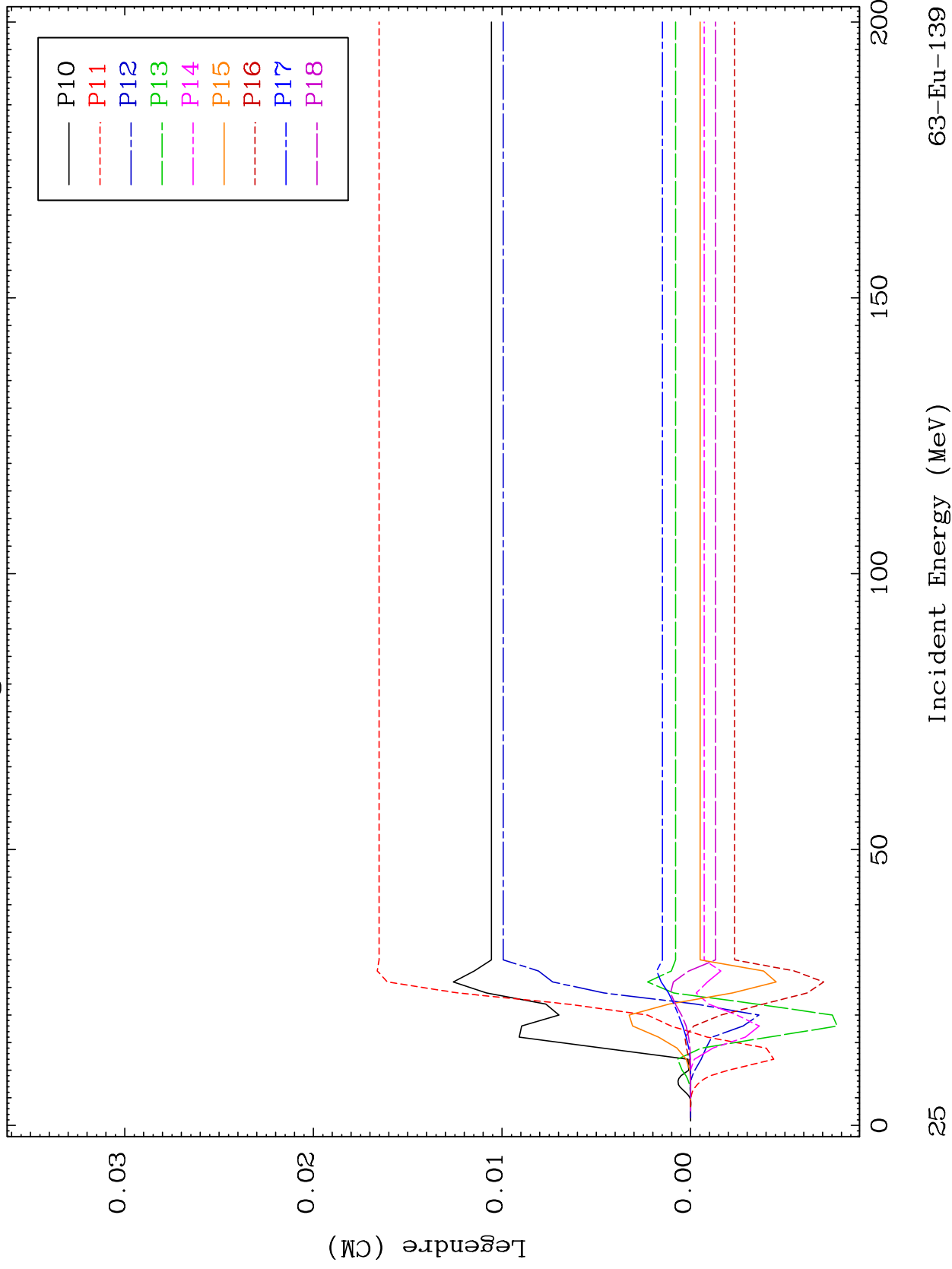
Incident Energy (MeV)

24

MAT 6289

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

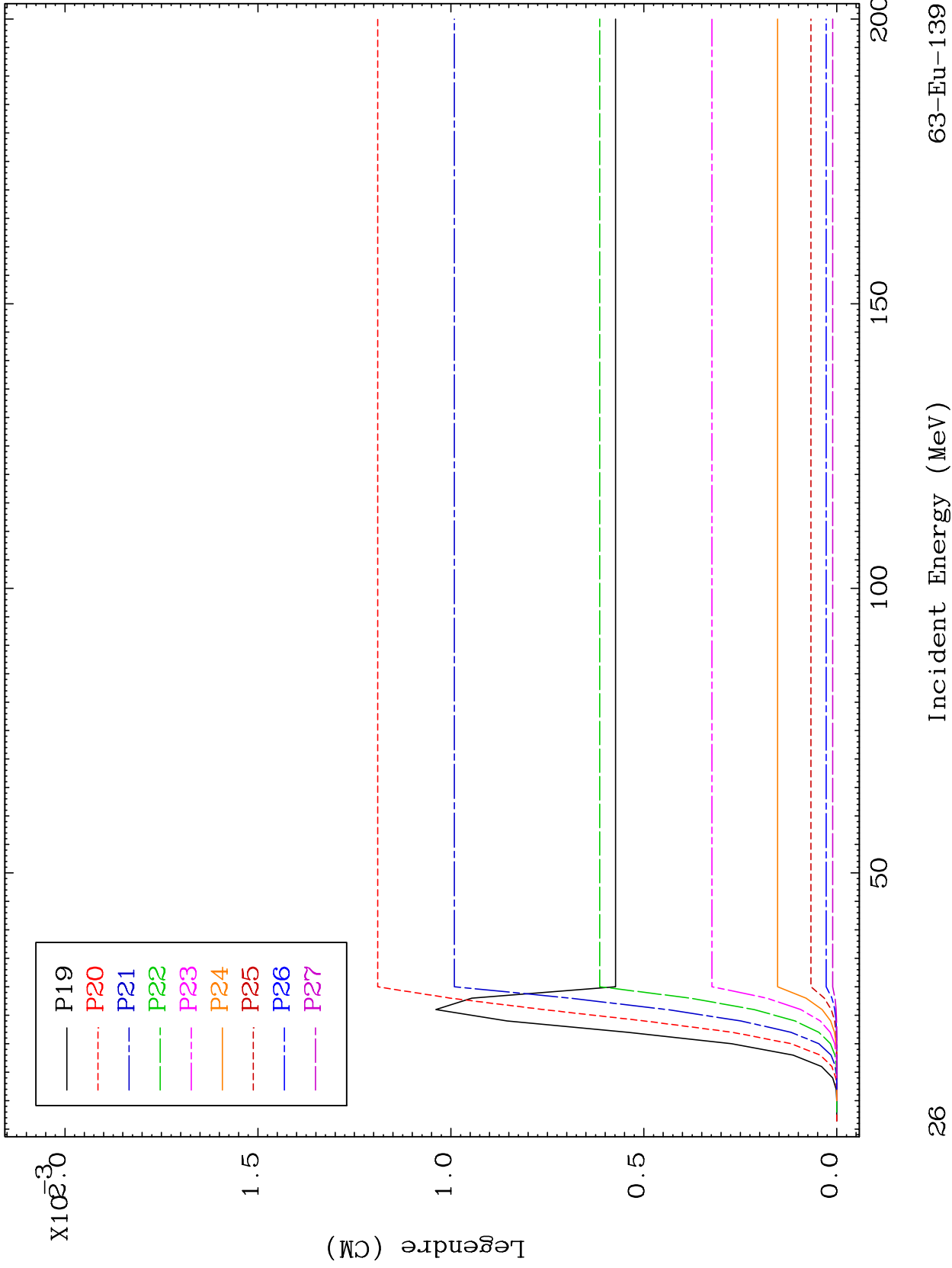
63-Eu-139



63-Eu-139

Incident Energy (MeV)

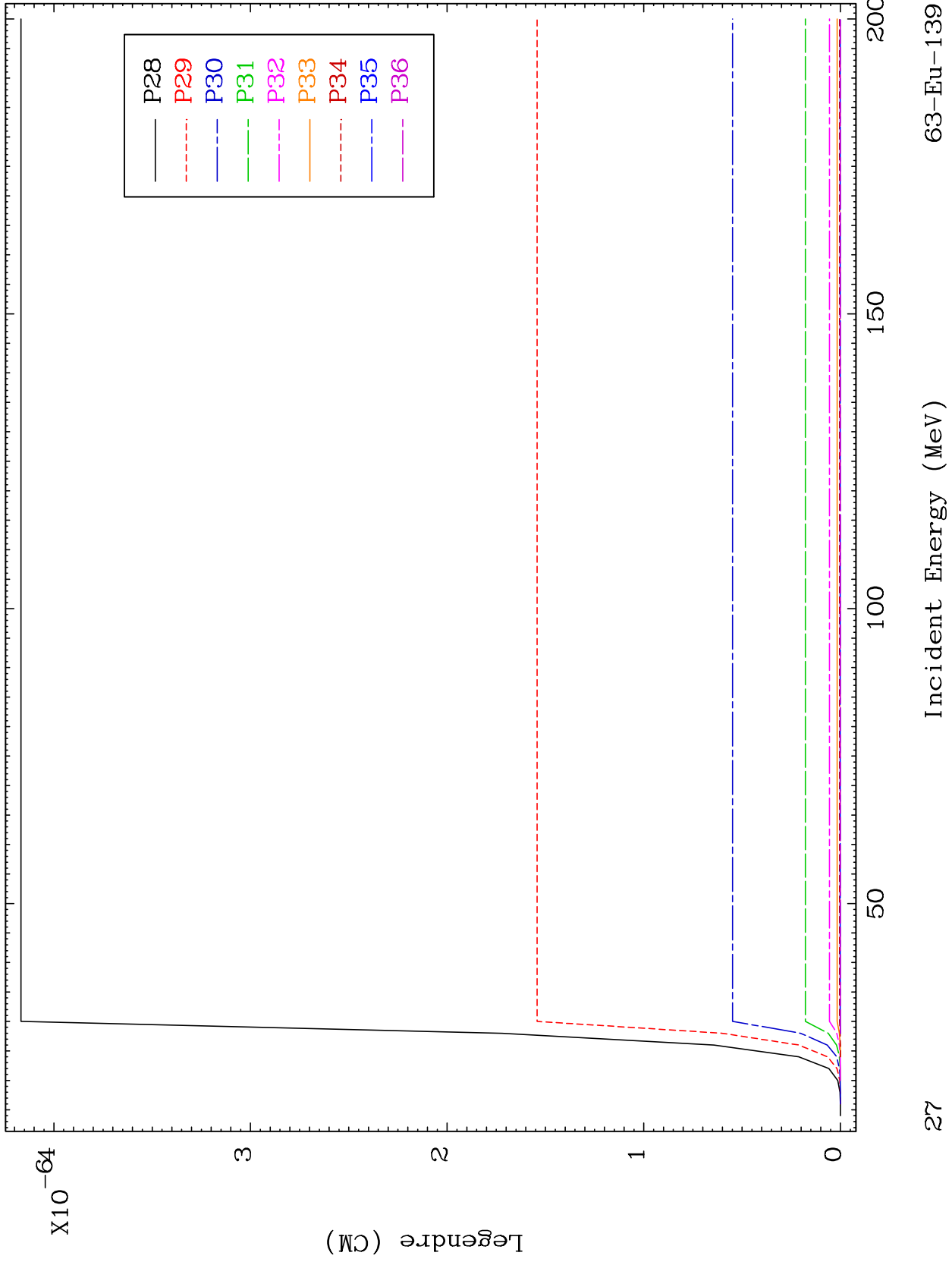
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MAT 6289

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

63-Eu-139



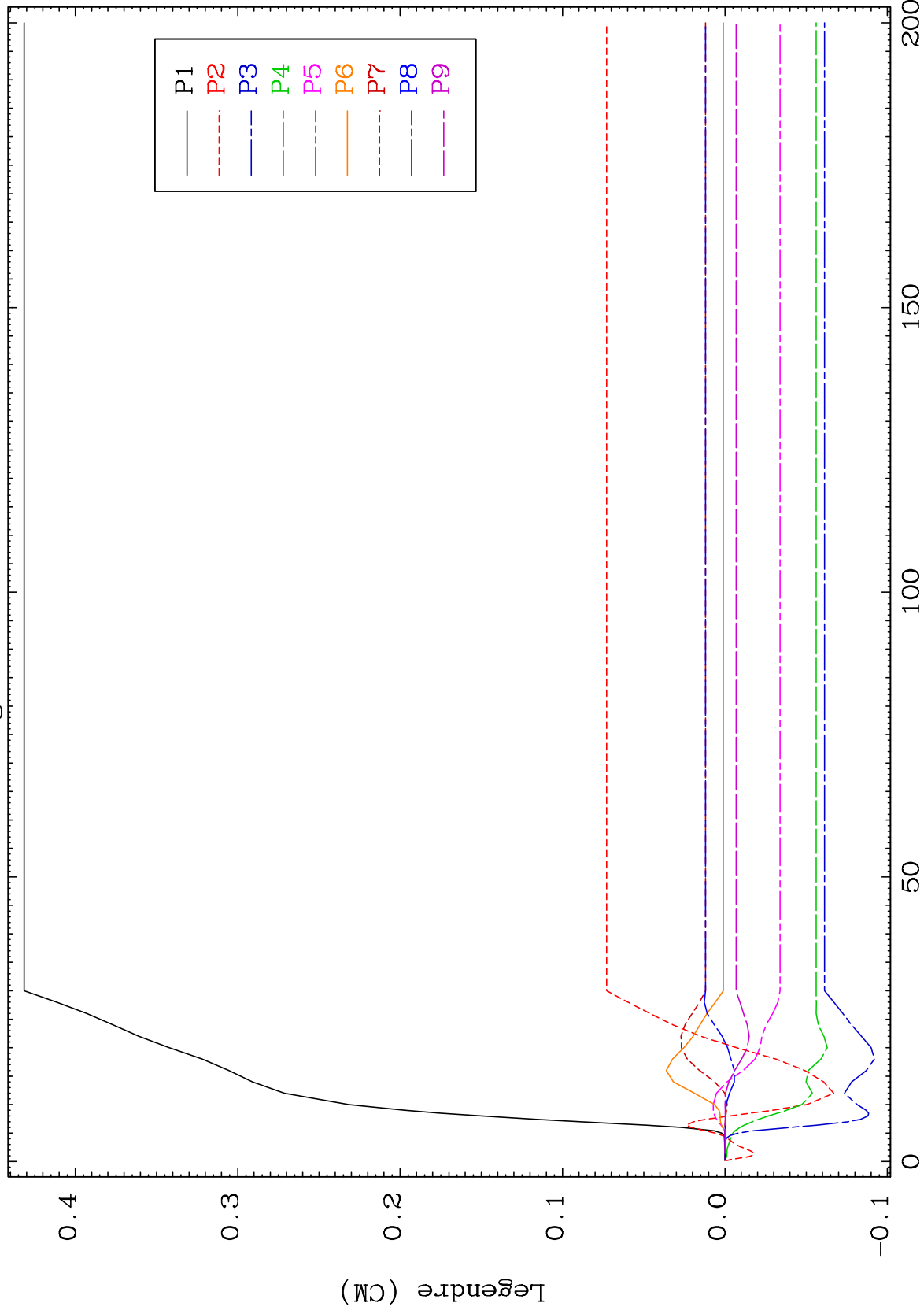
27

63-Eu-139

MAT 6289

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

63-Eu-139



28

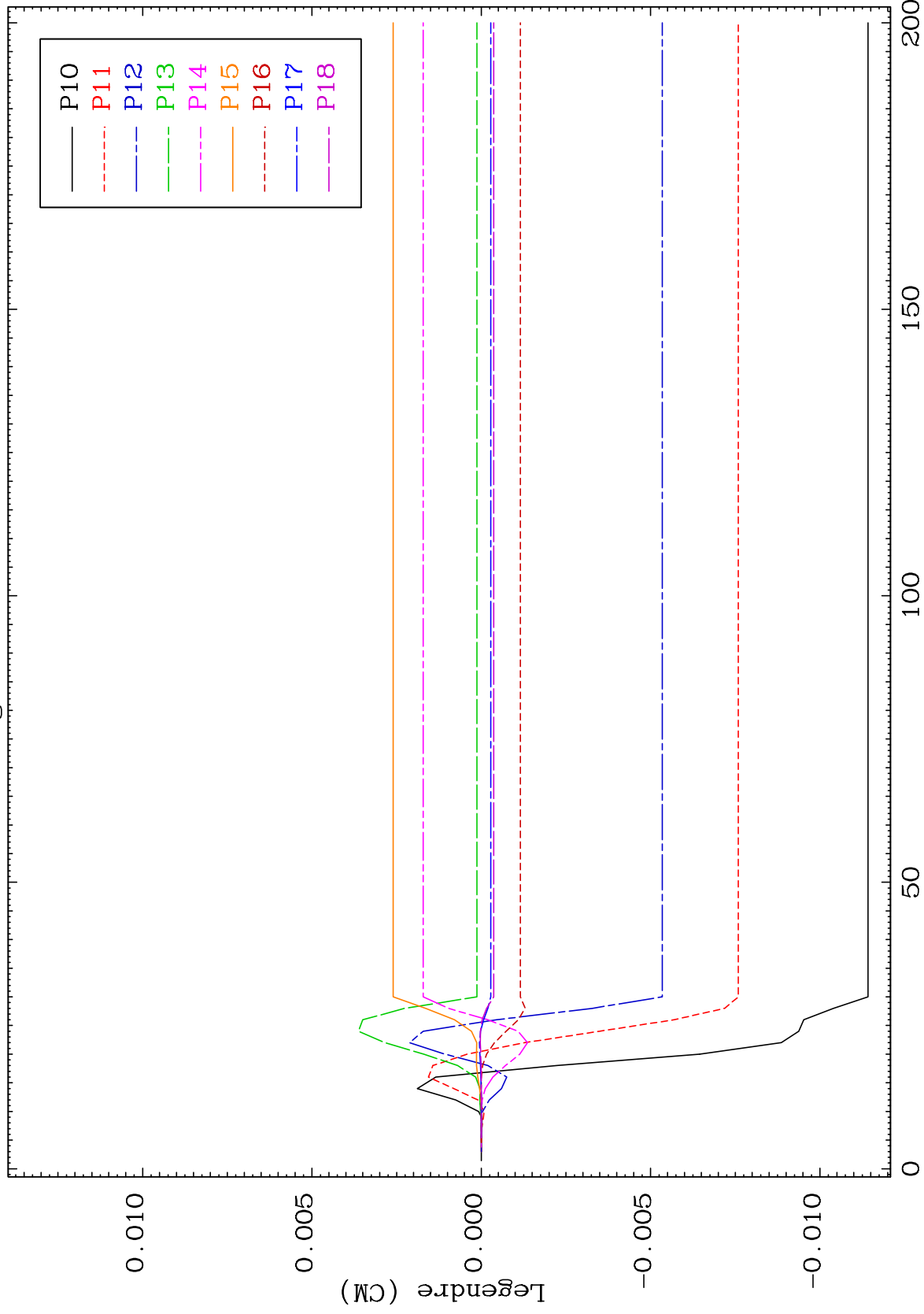
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

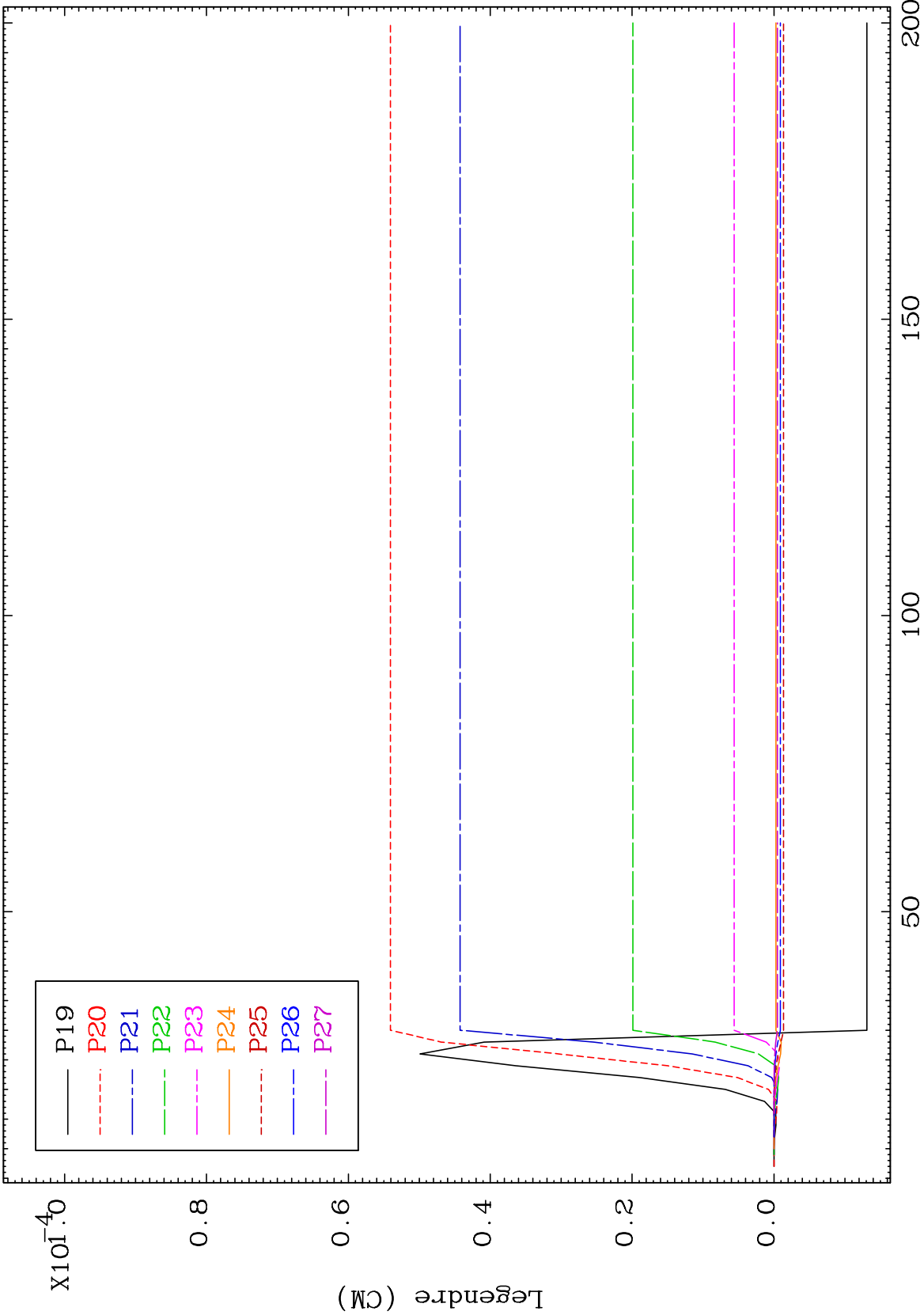
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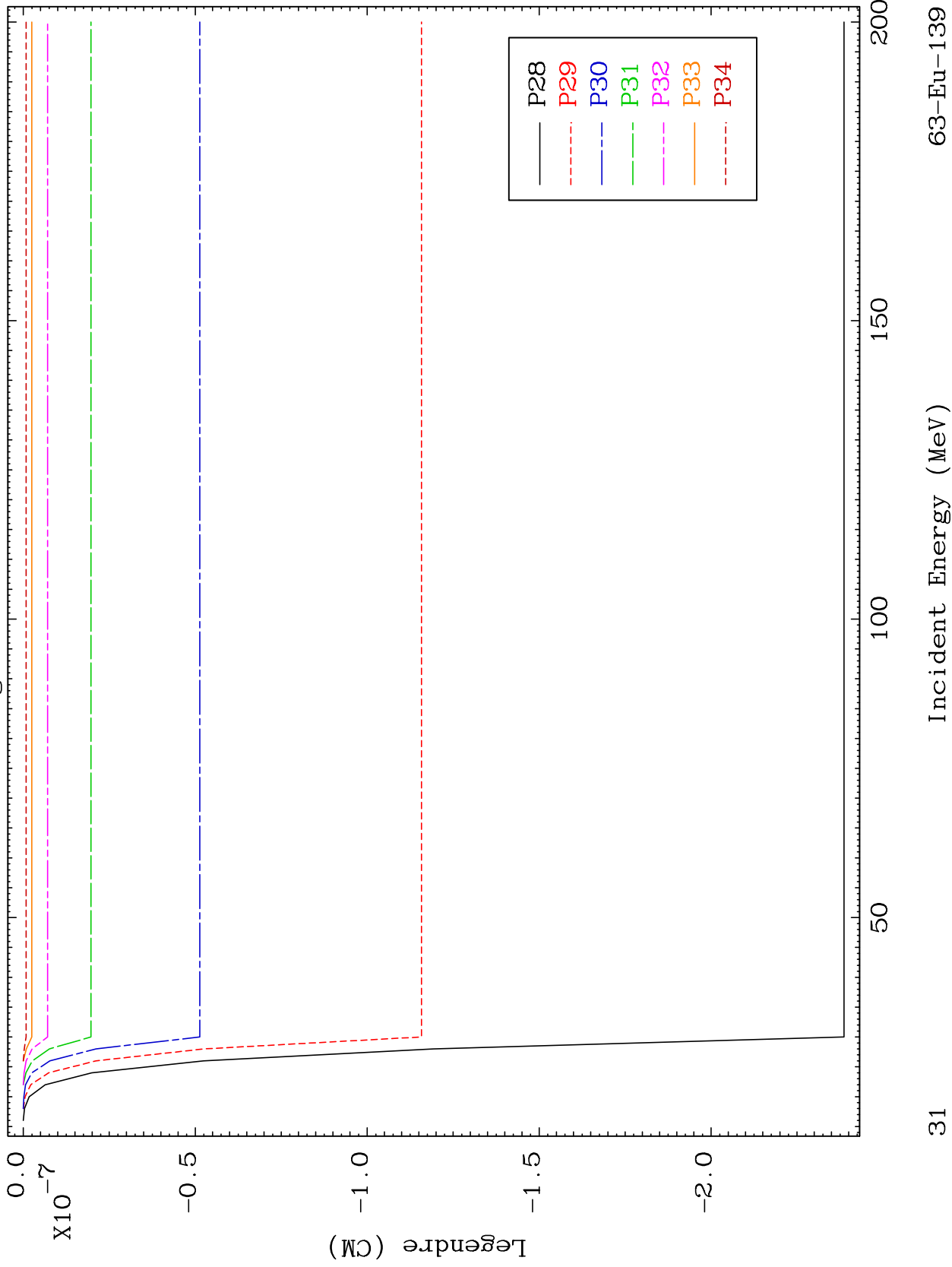
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Incident Energy (MeV)

63-Eu-139



Legendre Coefficients

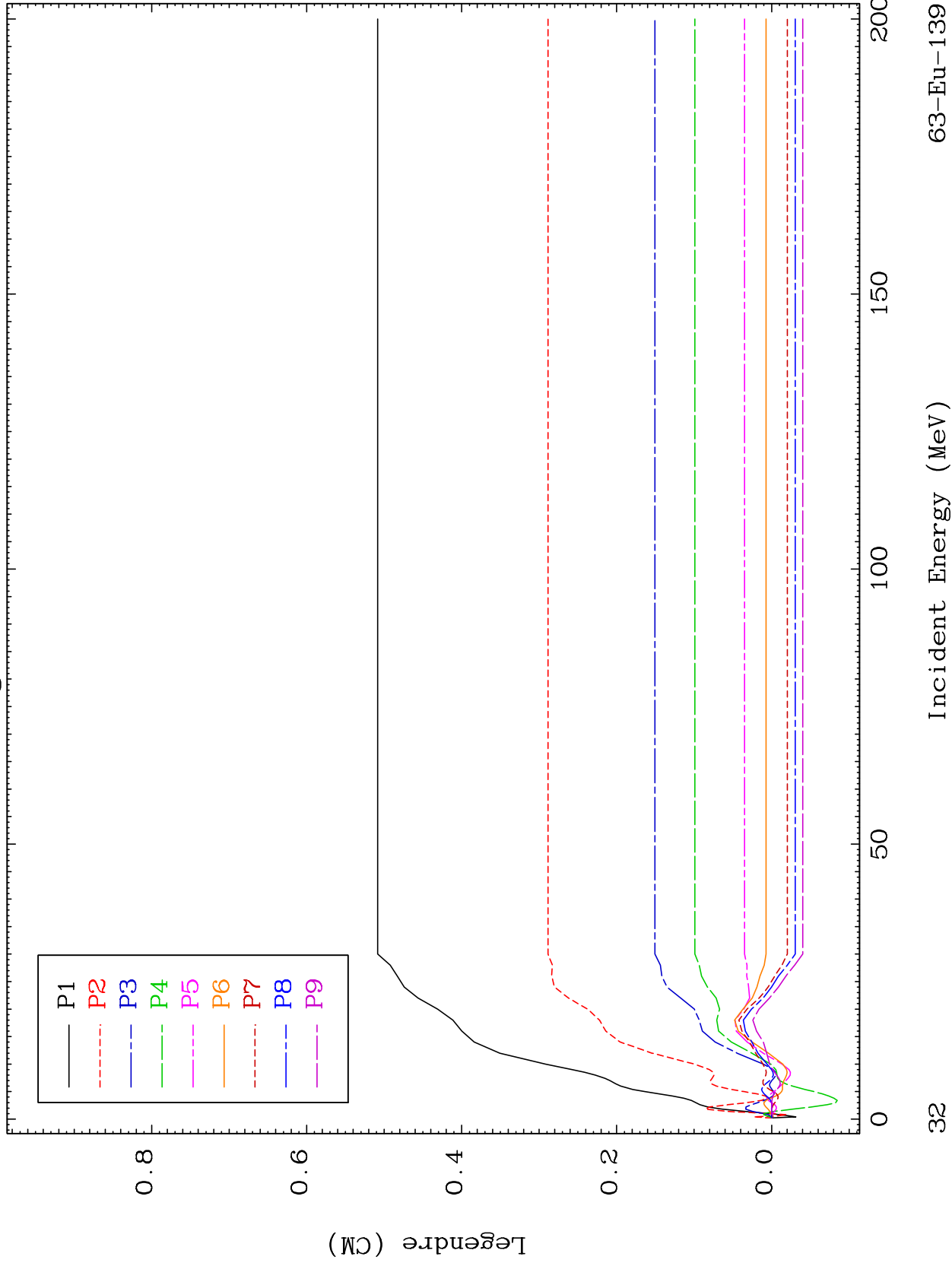




MAT 6289

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

63-Eu-139



63-Eu-139

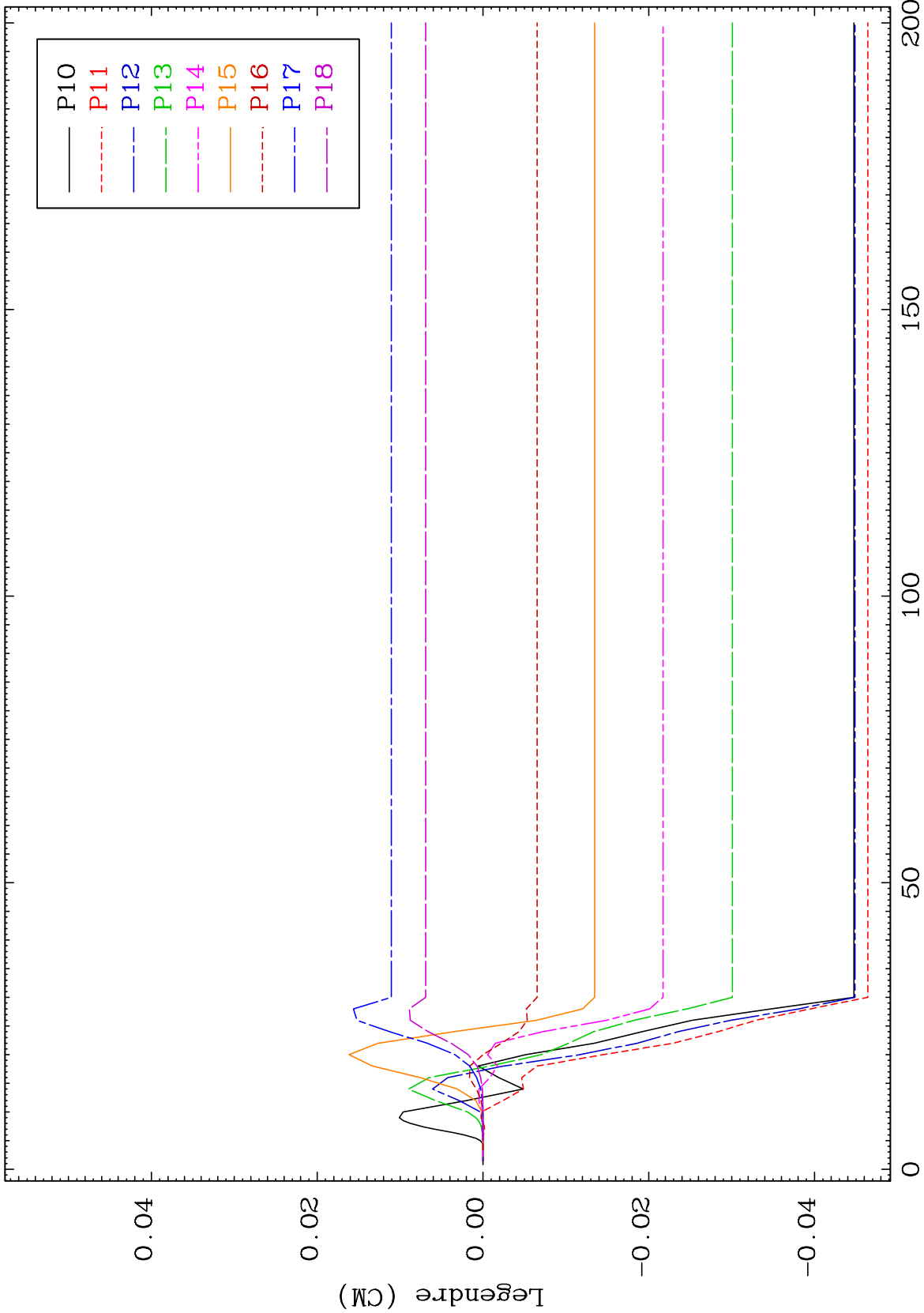
Incident Energy (MeV)

32

MAT 6289

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

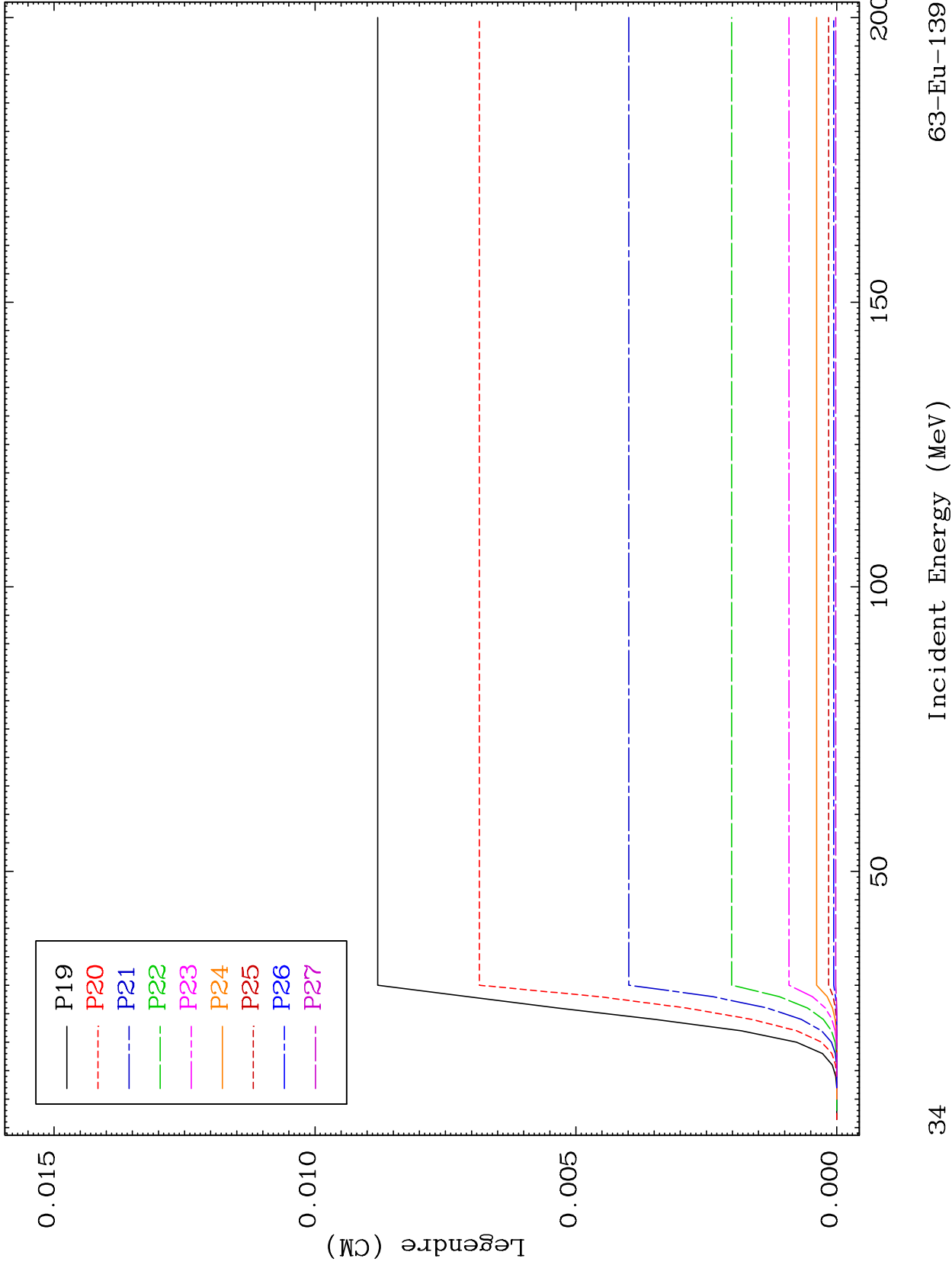
63-Eu-139



33

Incident Energy (MeV)

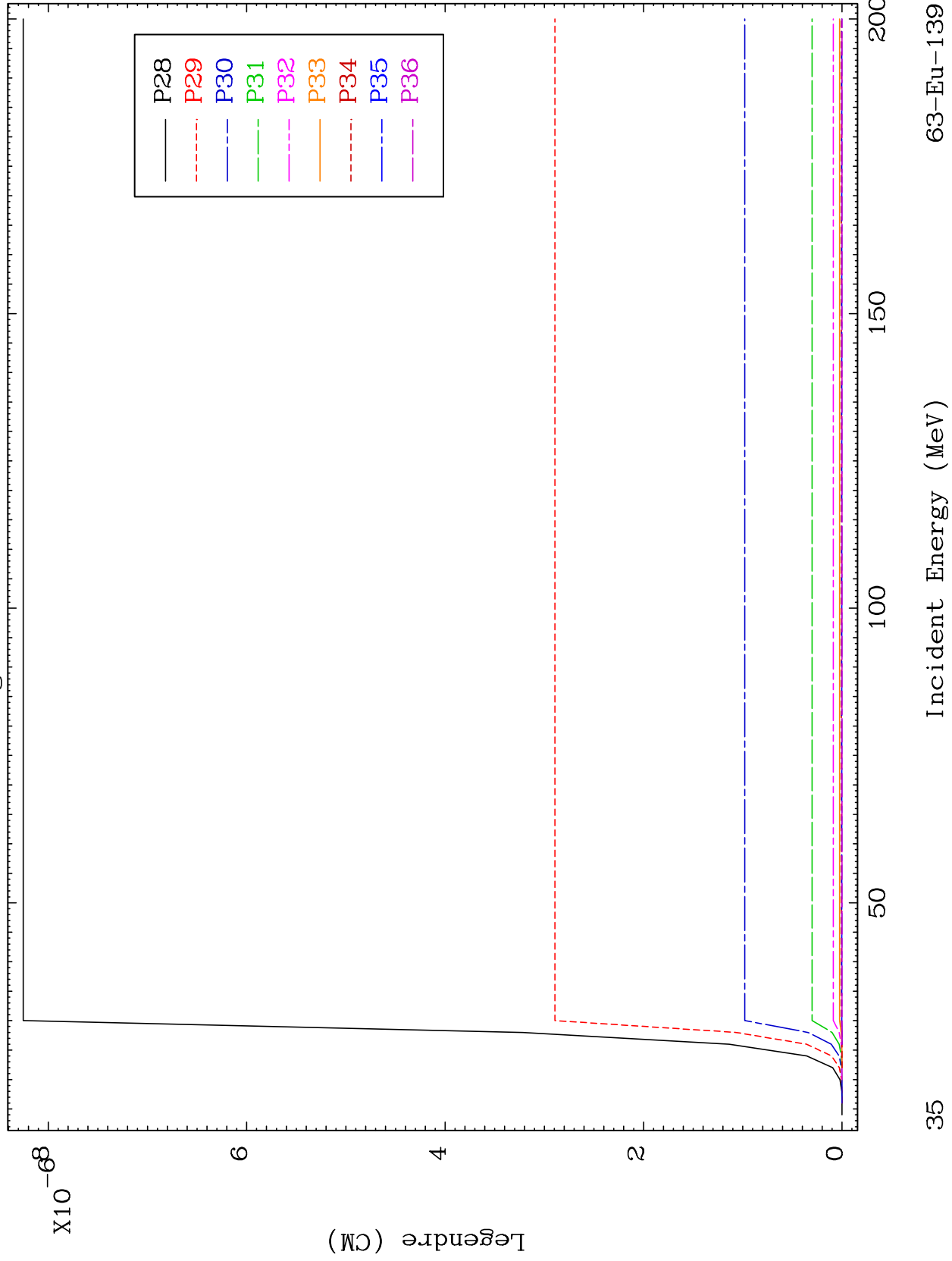
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MAT 6289

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

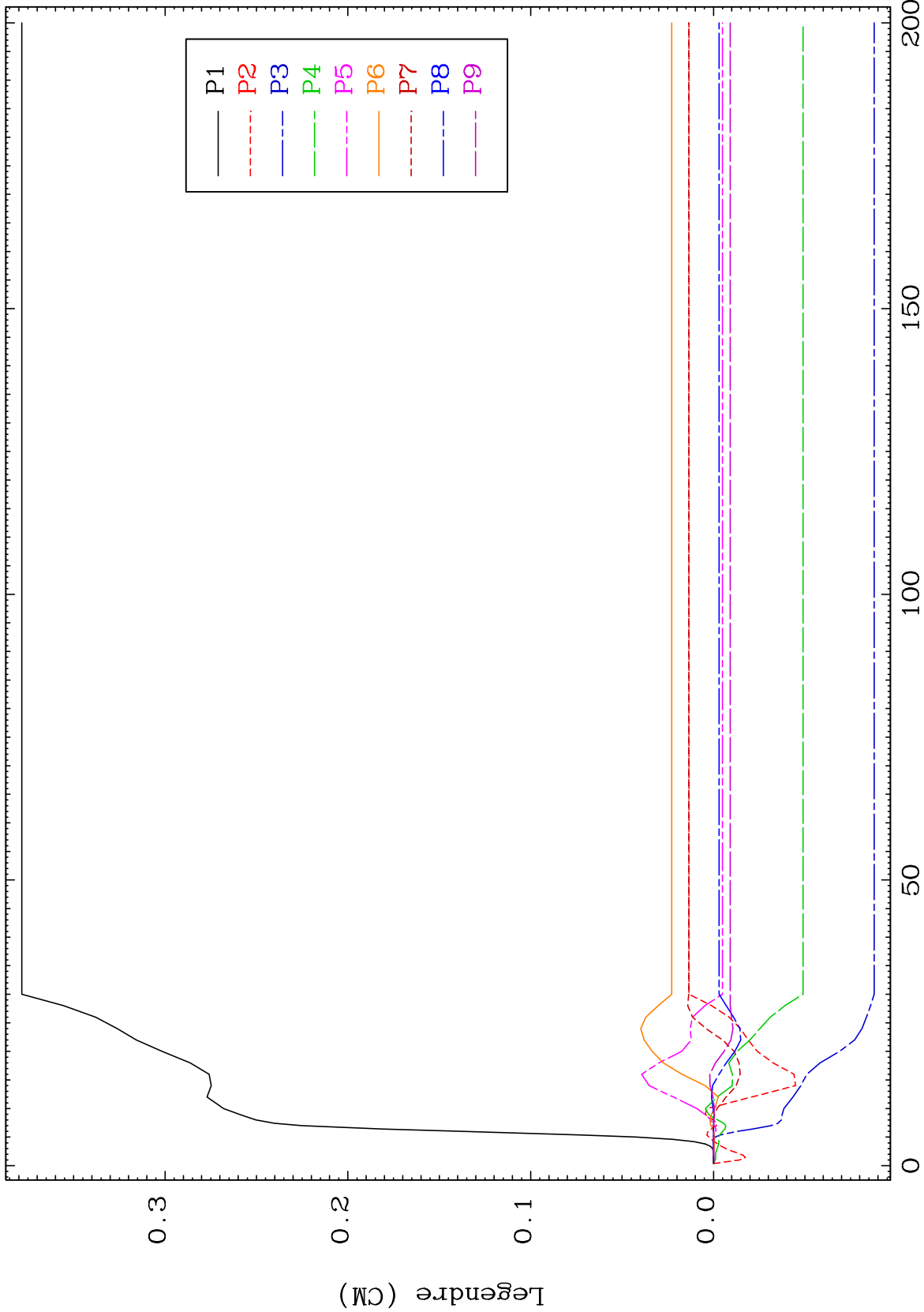
63-Eu-139



MAT 6289

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

63-Eu-139



36

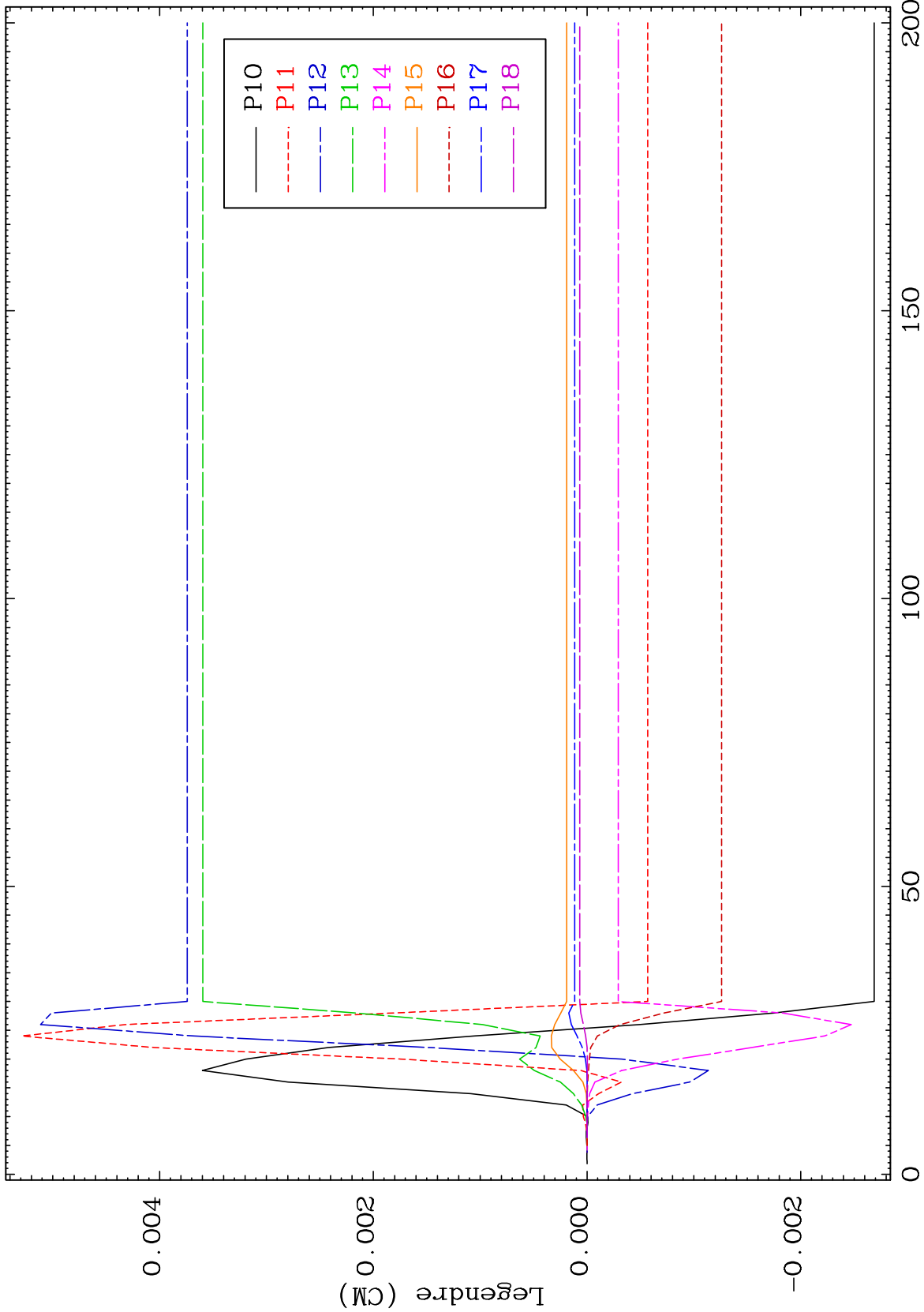
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



37

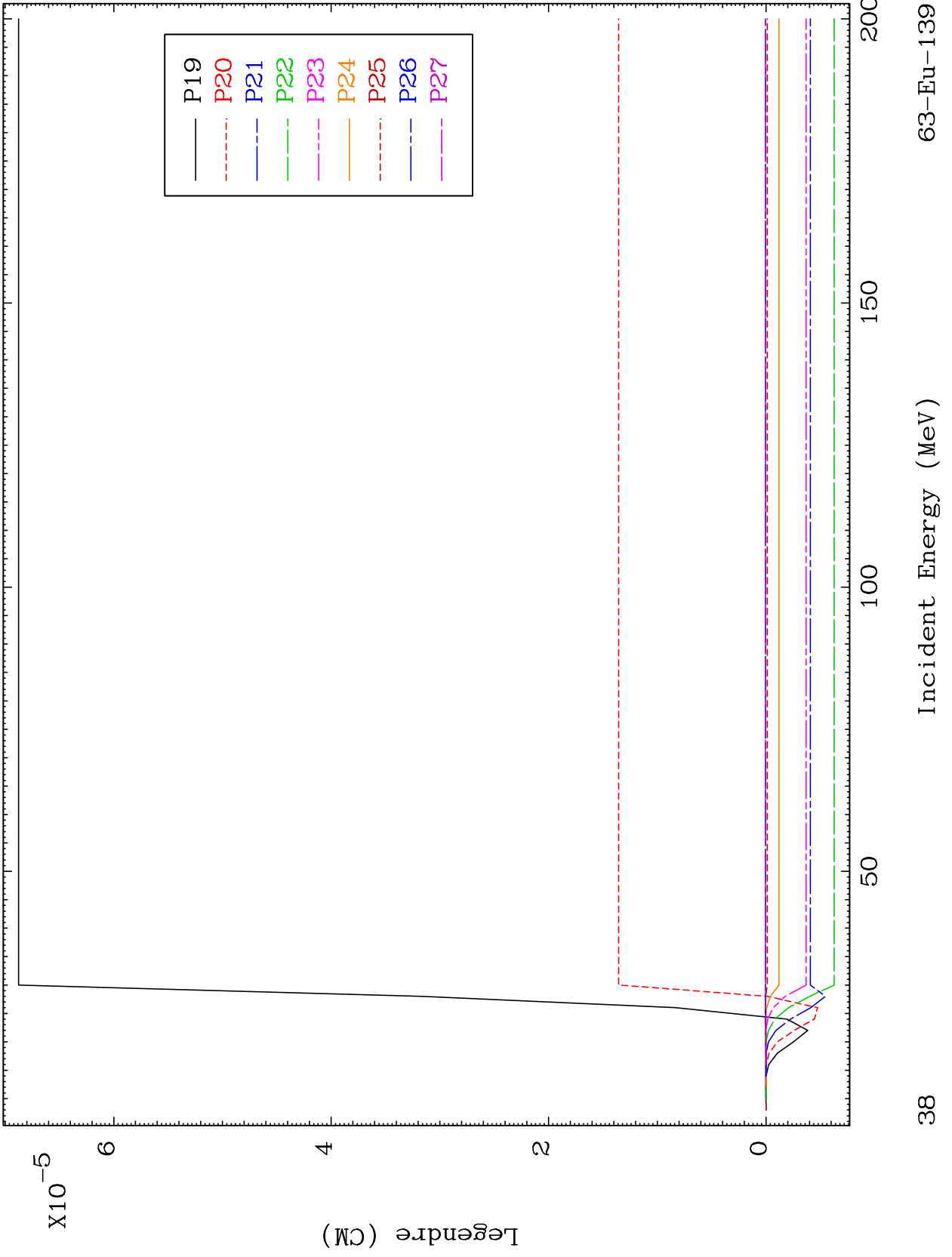
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



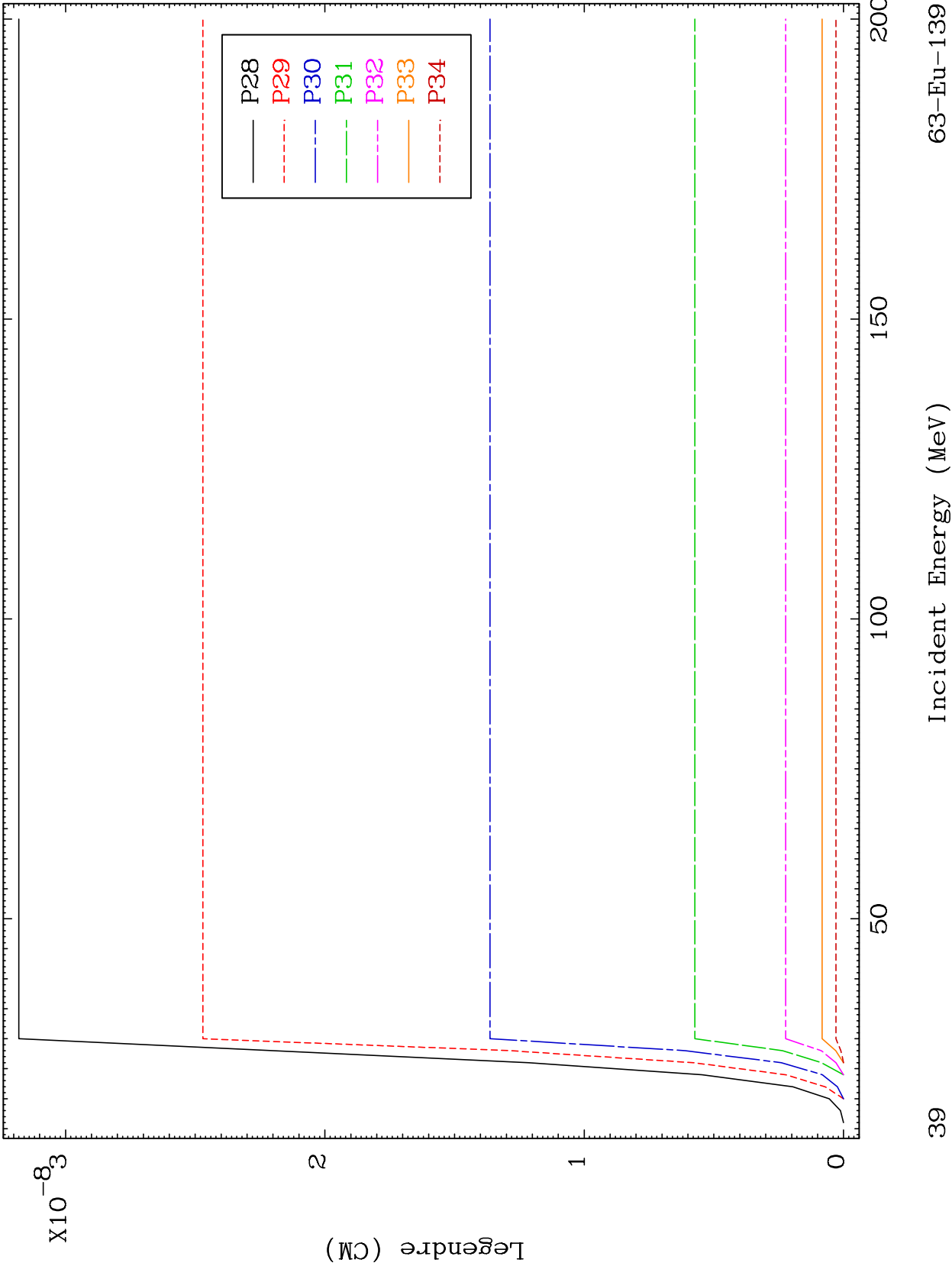
38

63-Eu-139

MAT 6289

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

63-Eu-139



39

Incident Energy (MeV)

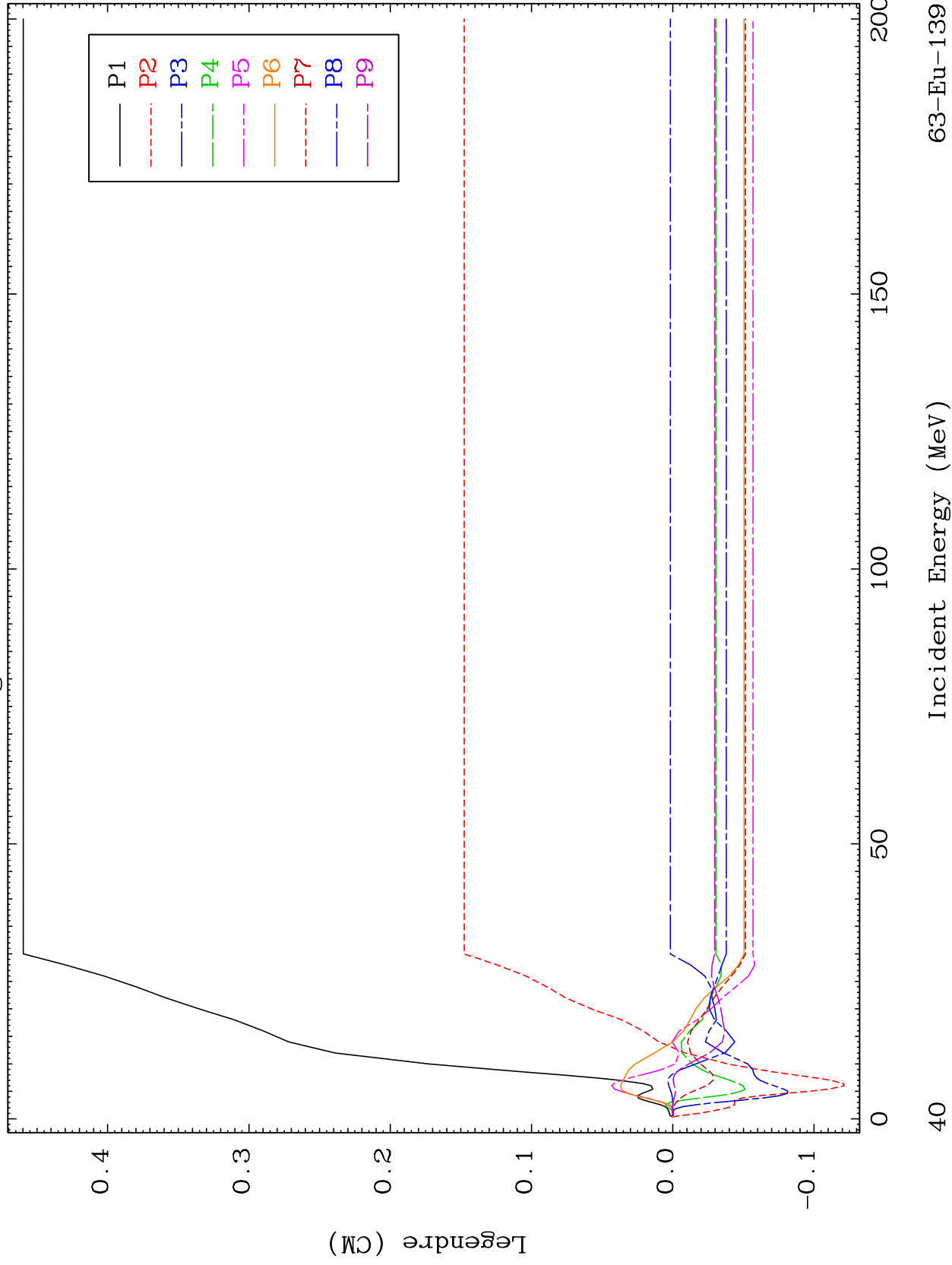
63-Eu-139



MAT 6289

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

63-Eu-139

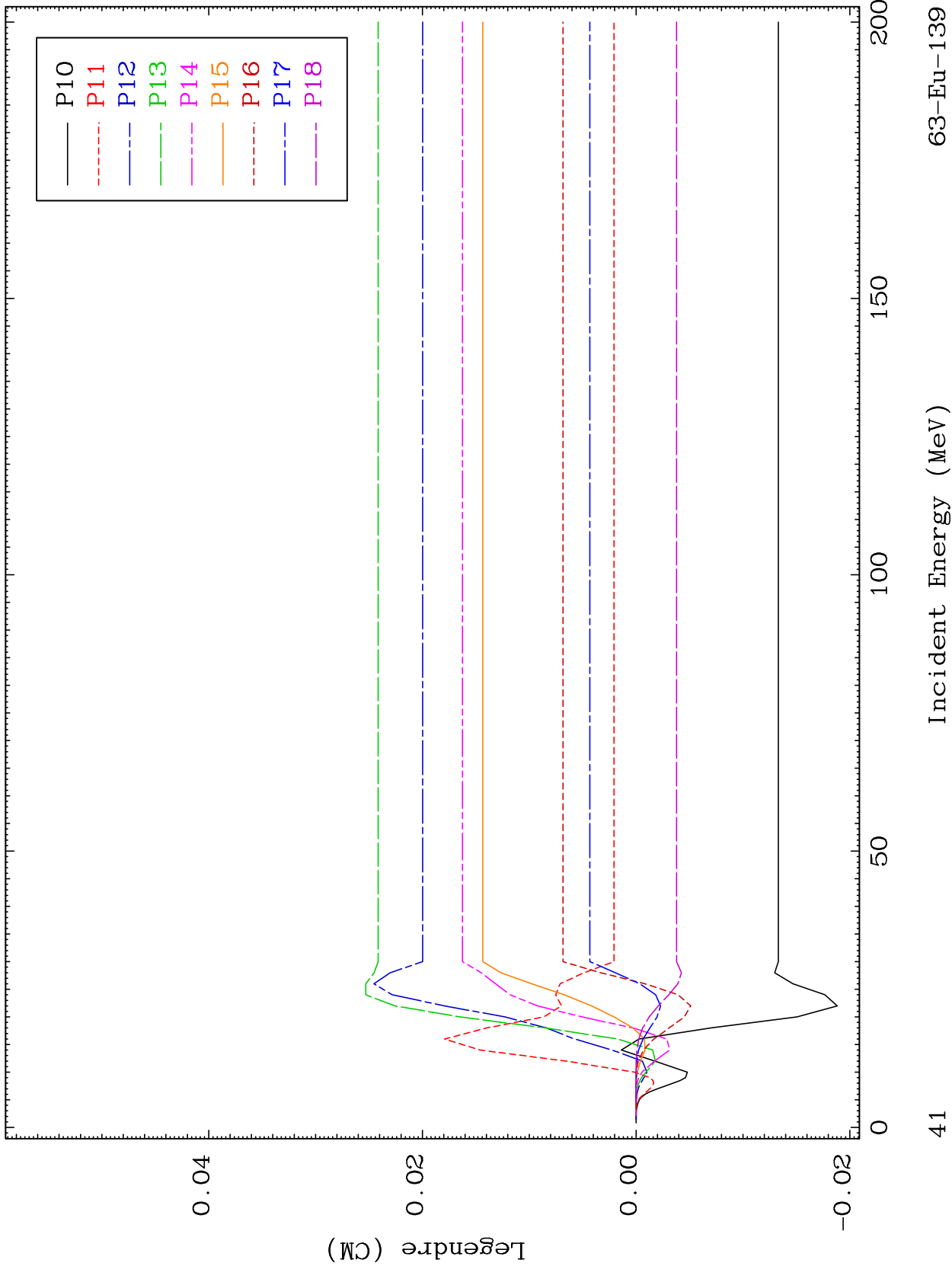


63-Eu-139

MAT 6289

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

63-Eu-139



41

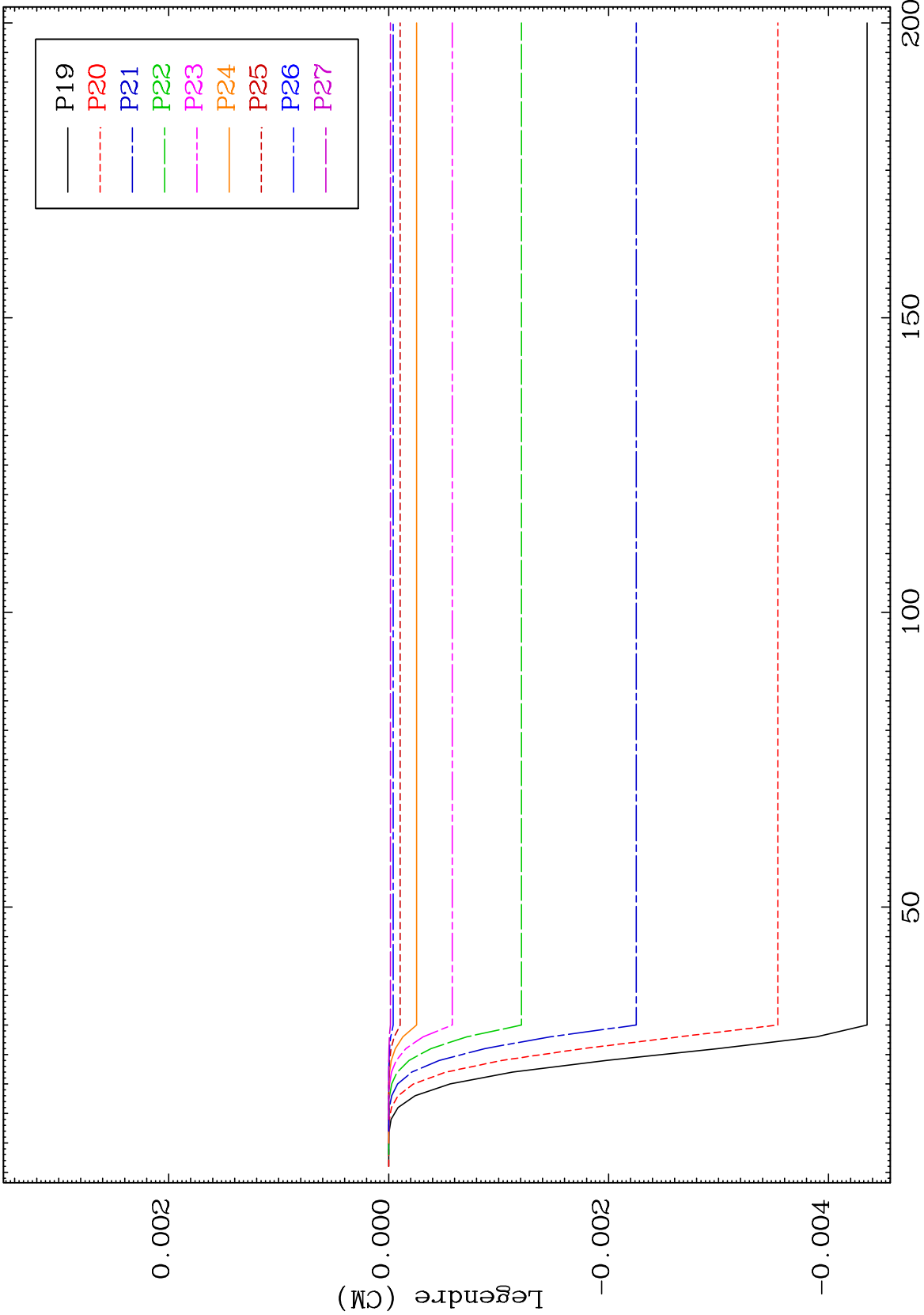
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



42

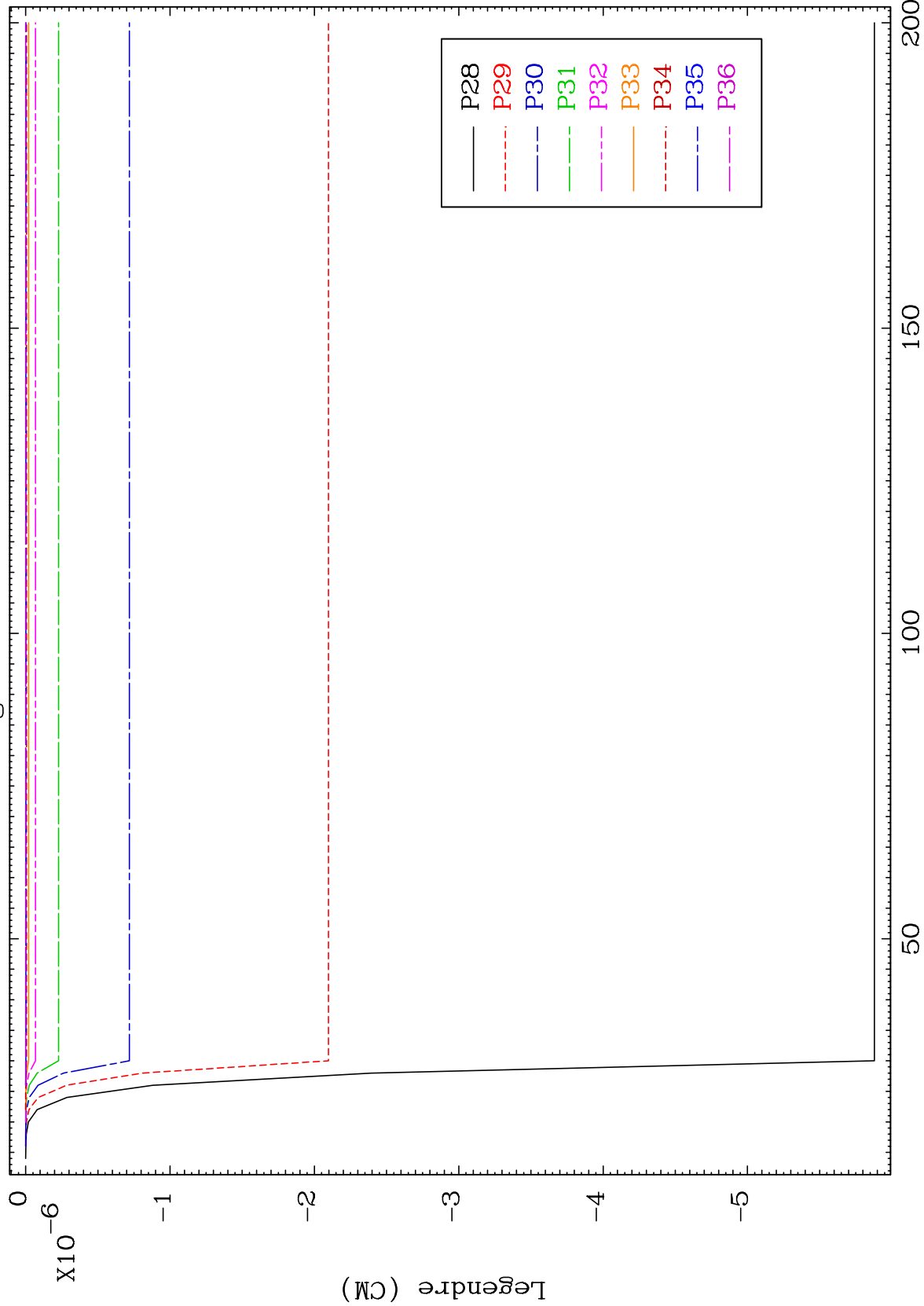
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



43

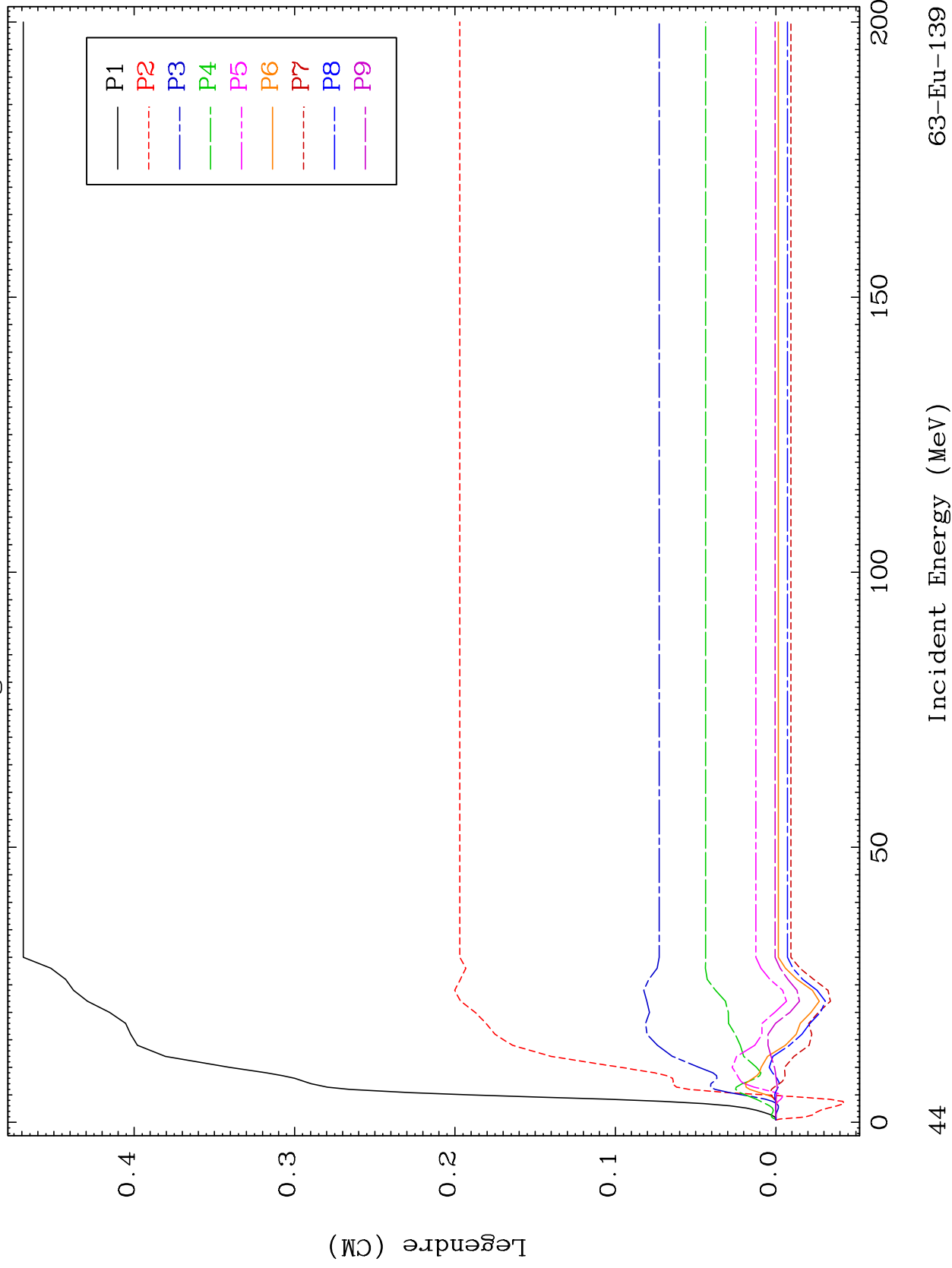
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



44

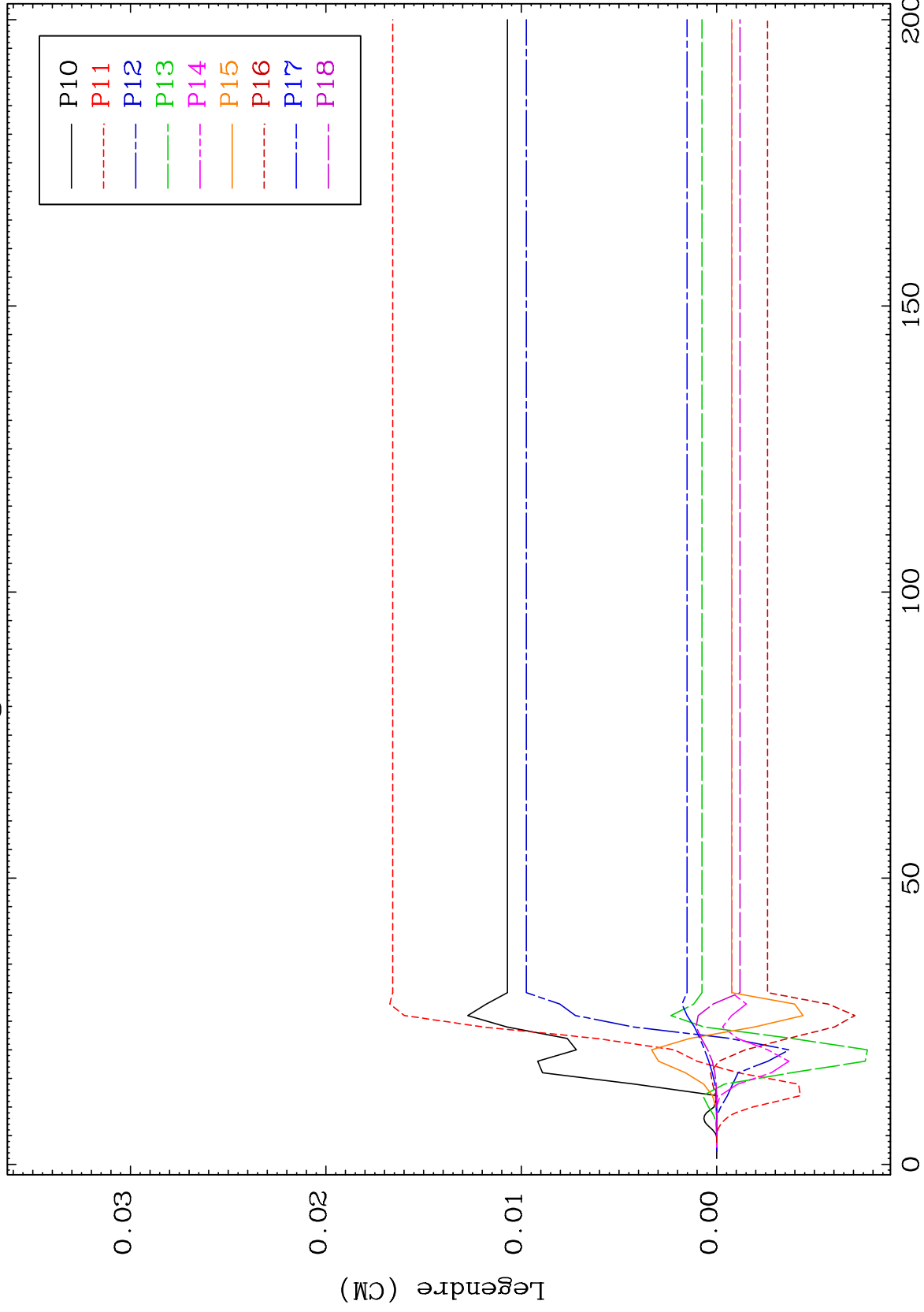
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

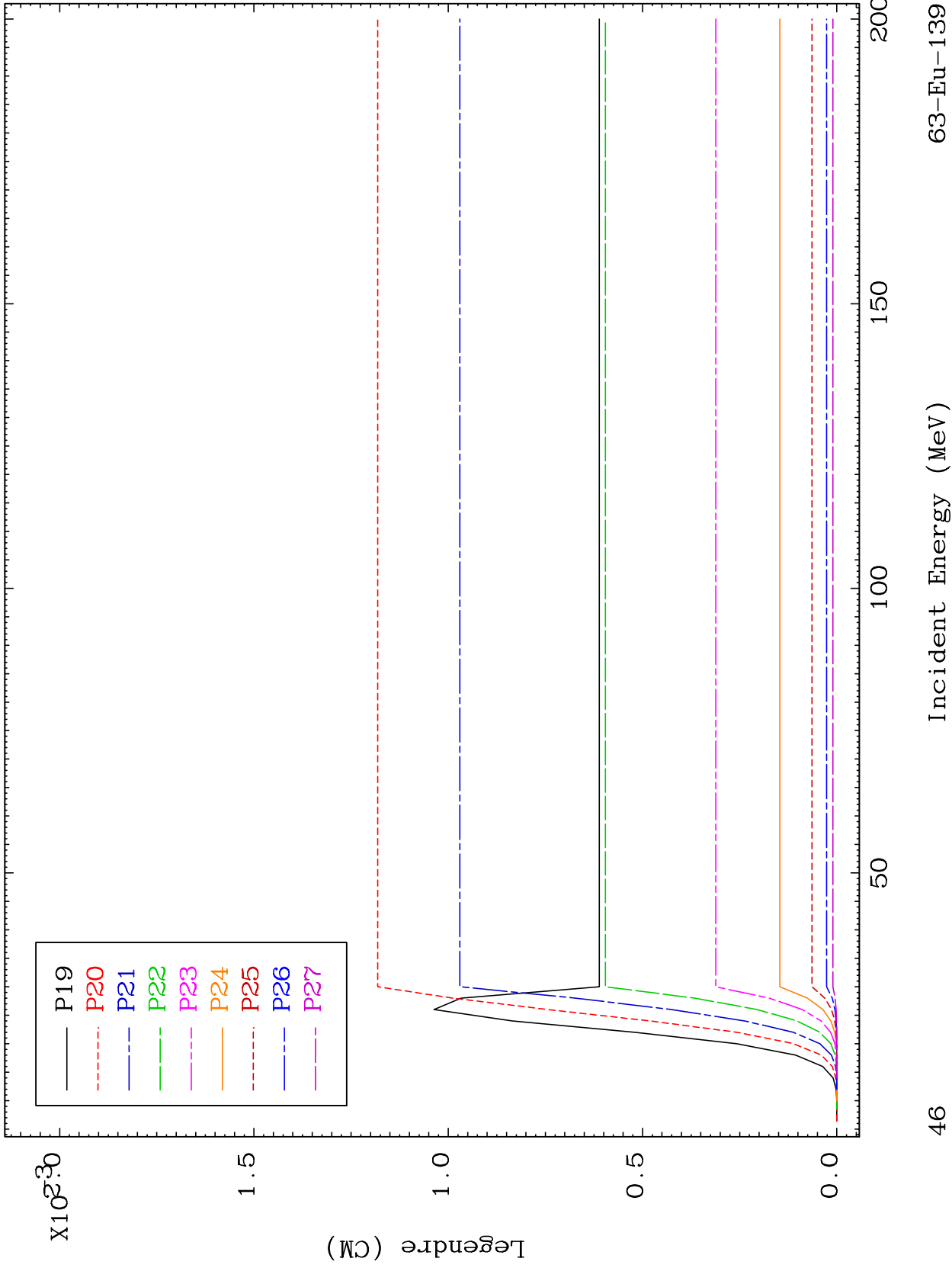
63-Eu-139



45

Incident Energy (MeV)

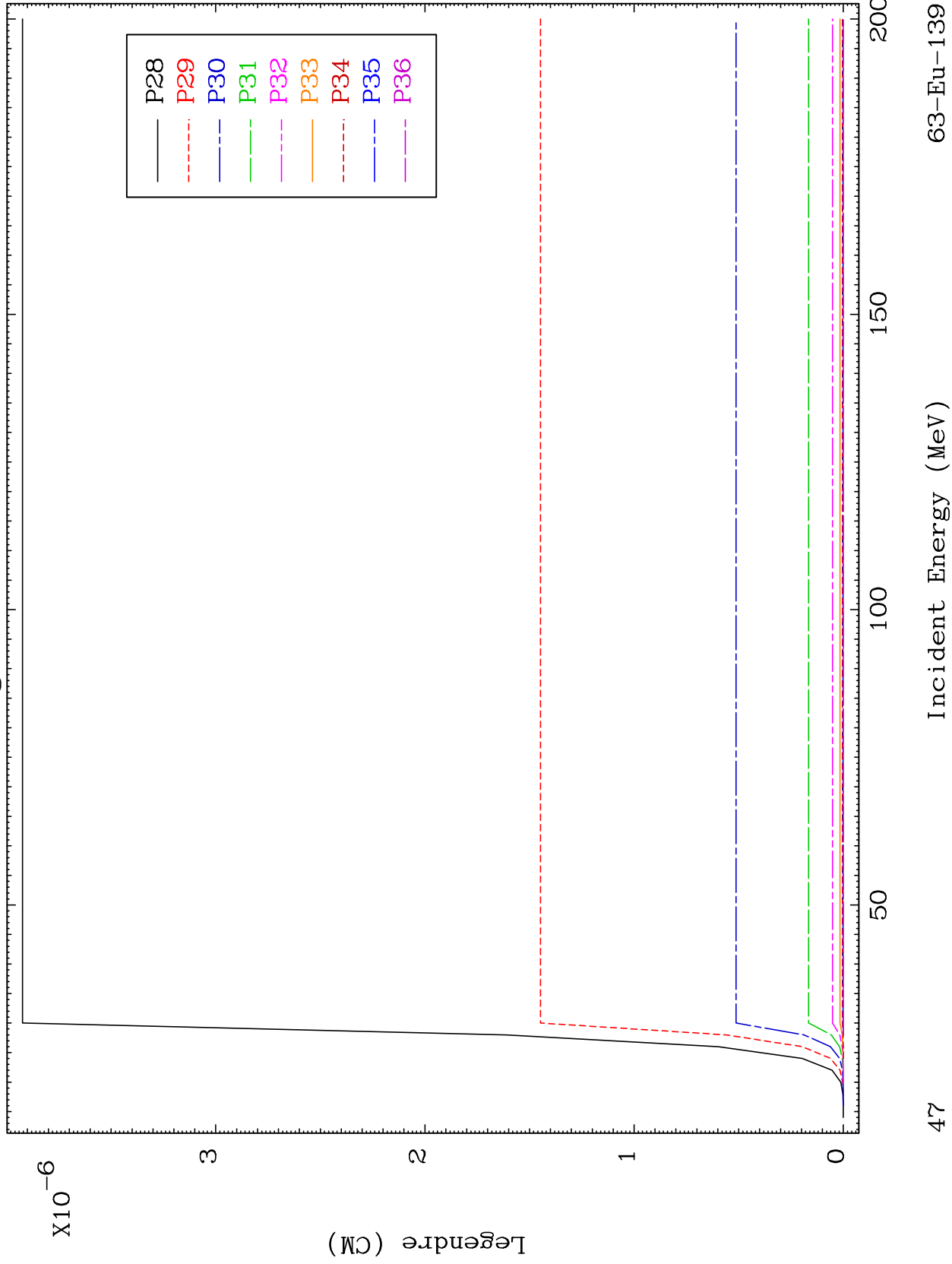
63-Eu-139



MAT 6289

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

63-Eu-139

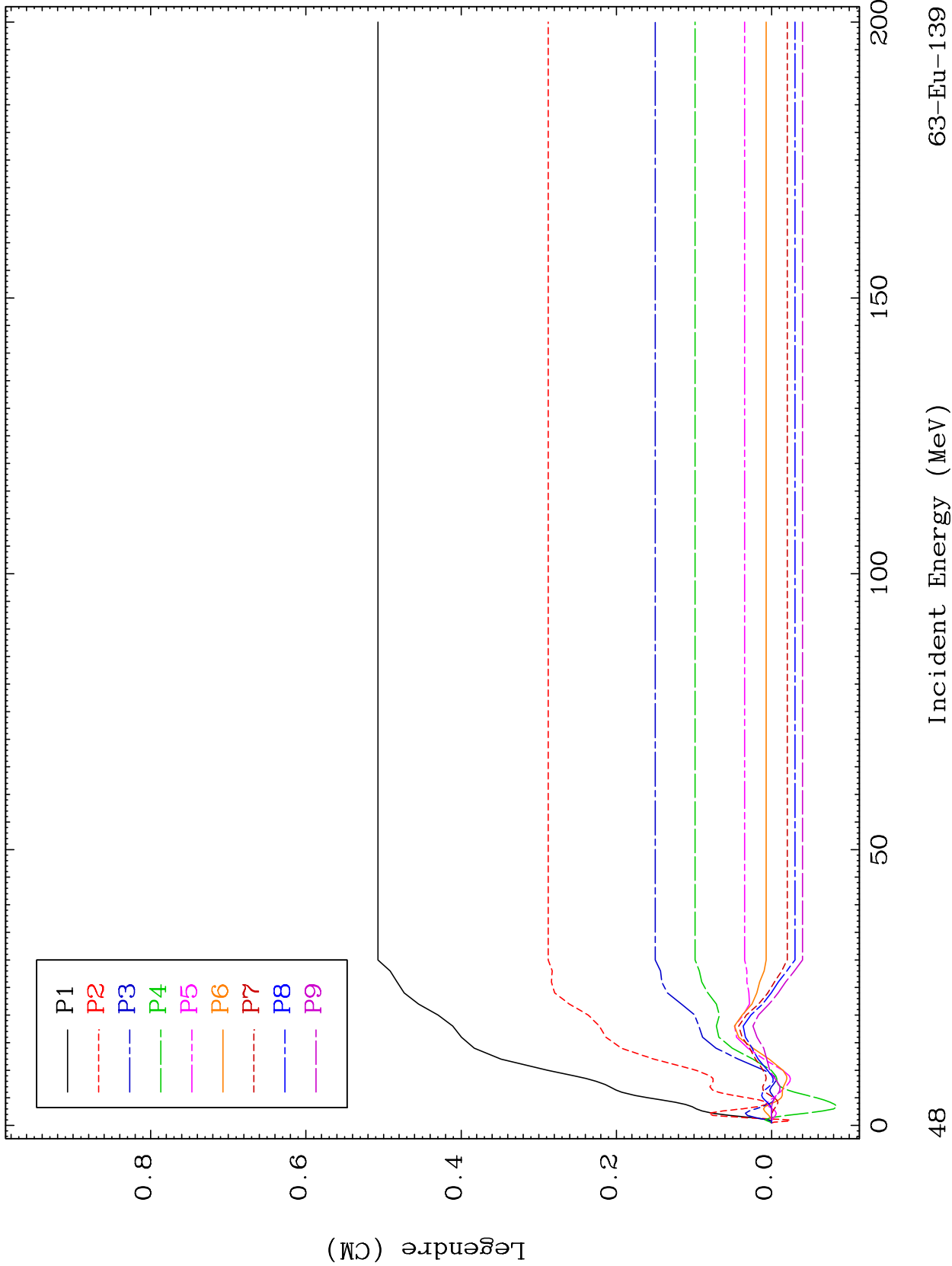




MAT 6289

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

63-Eu-139



63-Eu-139

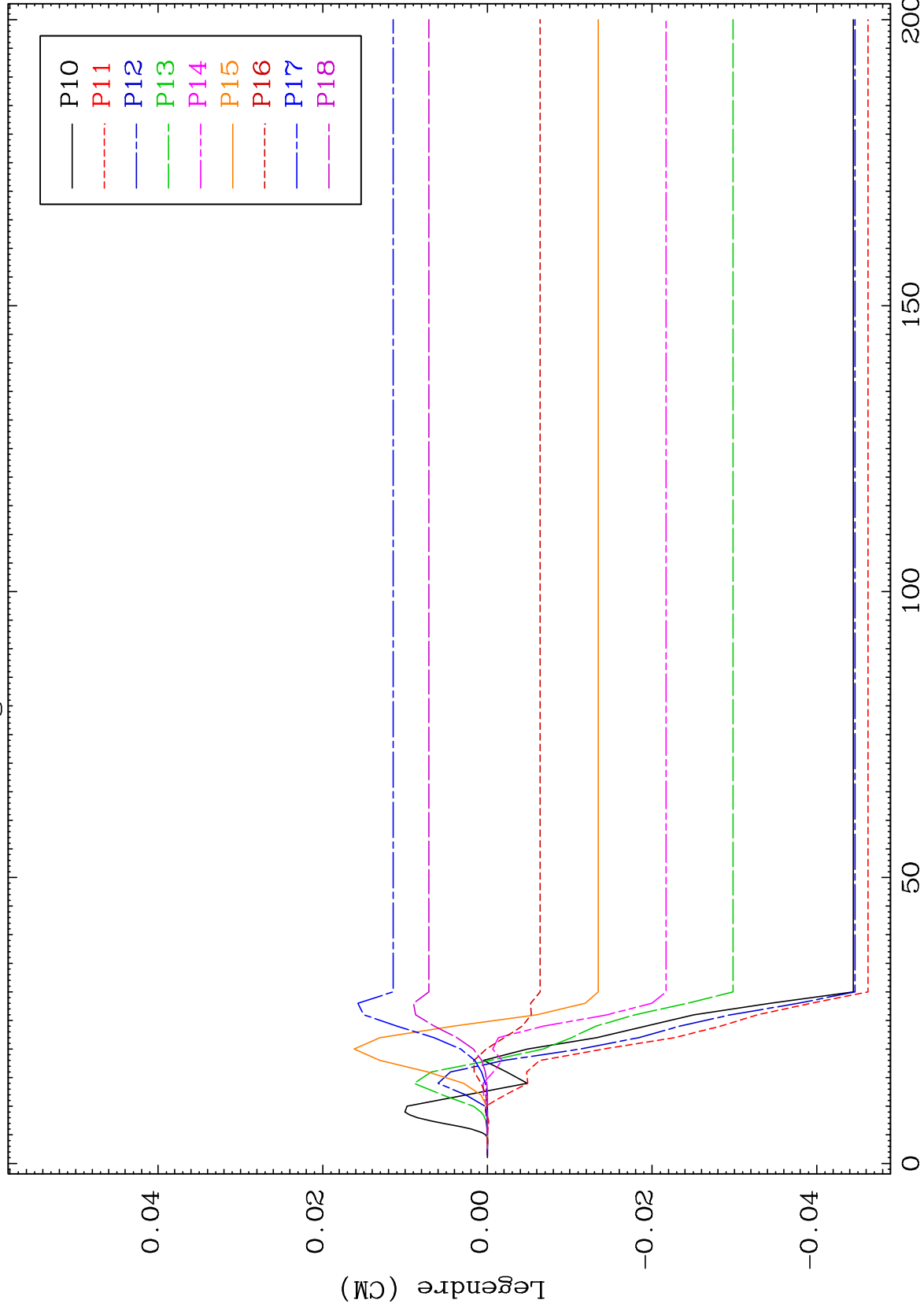
Incident Energy (MeV)

48

MAT 6289

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

63-Eu-139



49

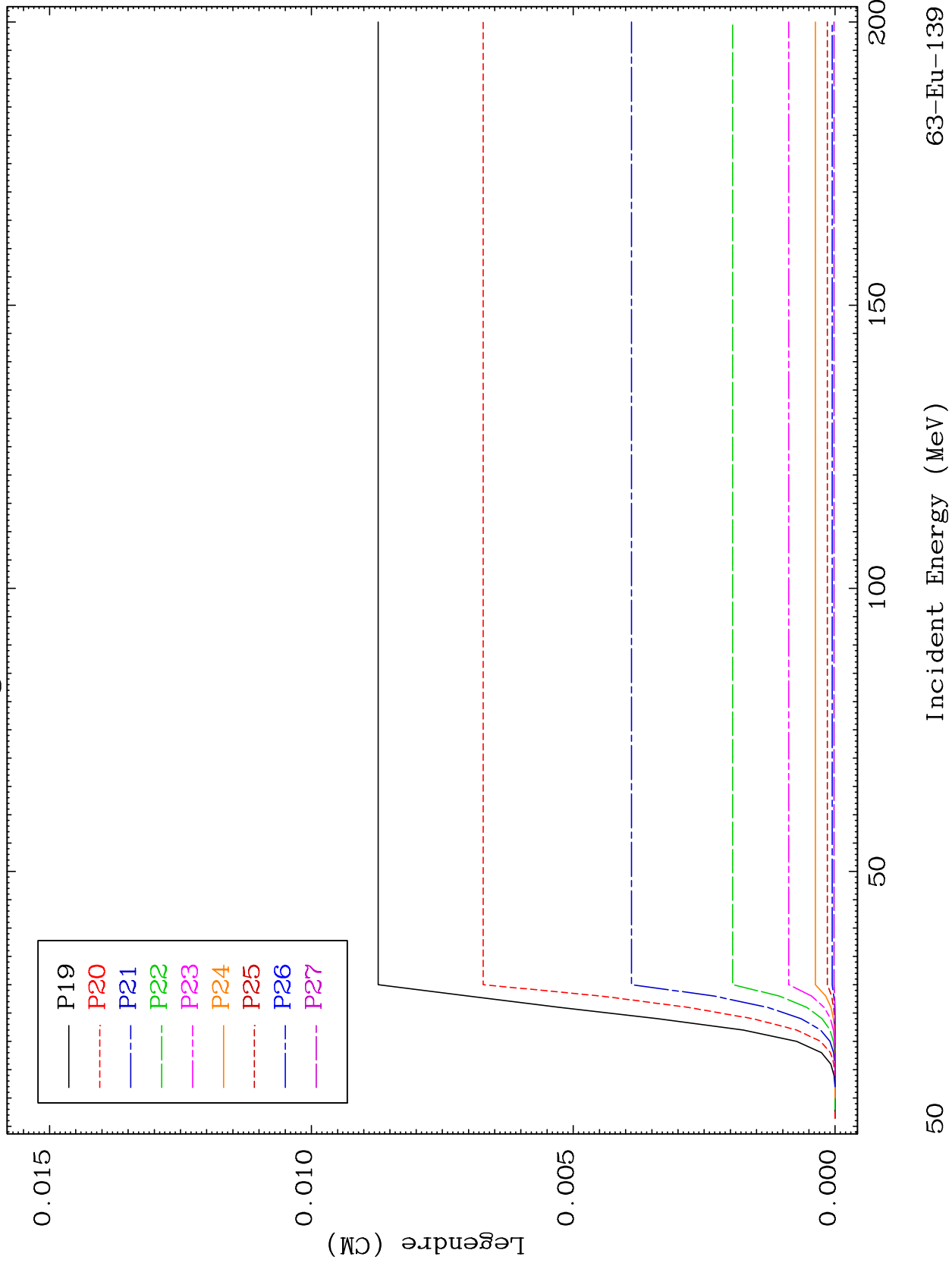
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



63-Eu-139

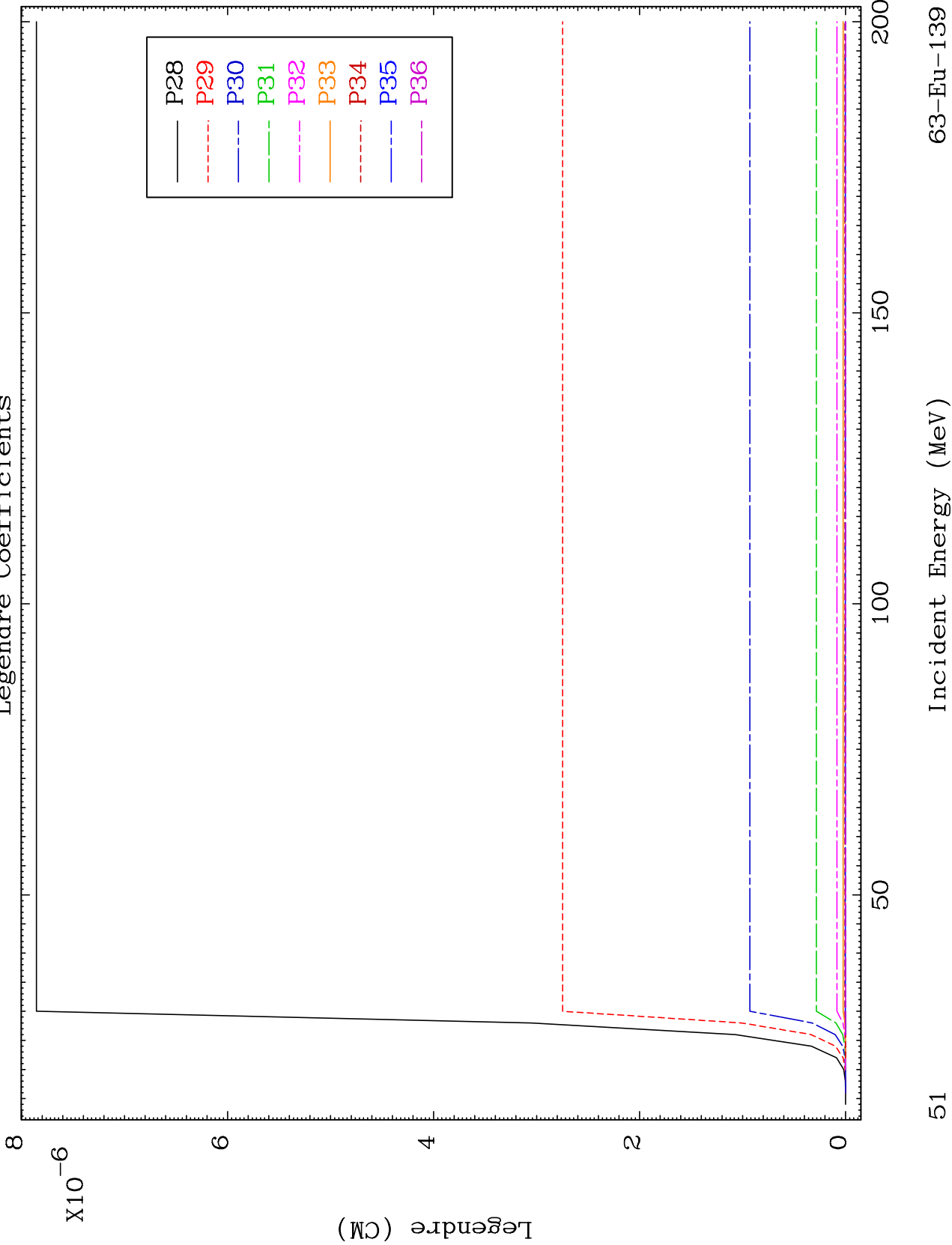
Incident Energy (MeV)

50

MAT 6289

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

63-Eu-139



51

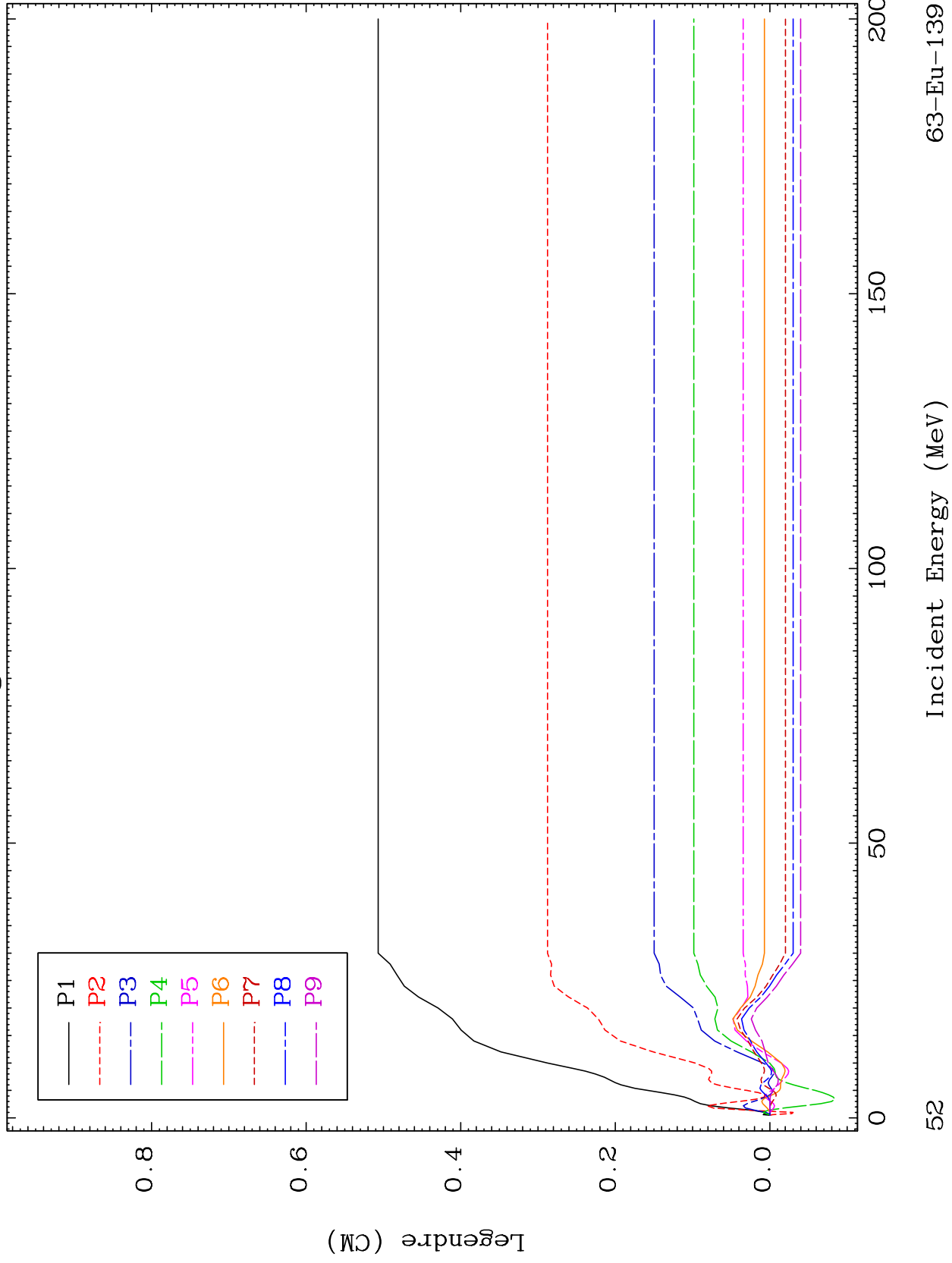
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



63-Eu-139

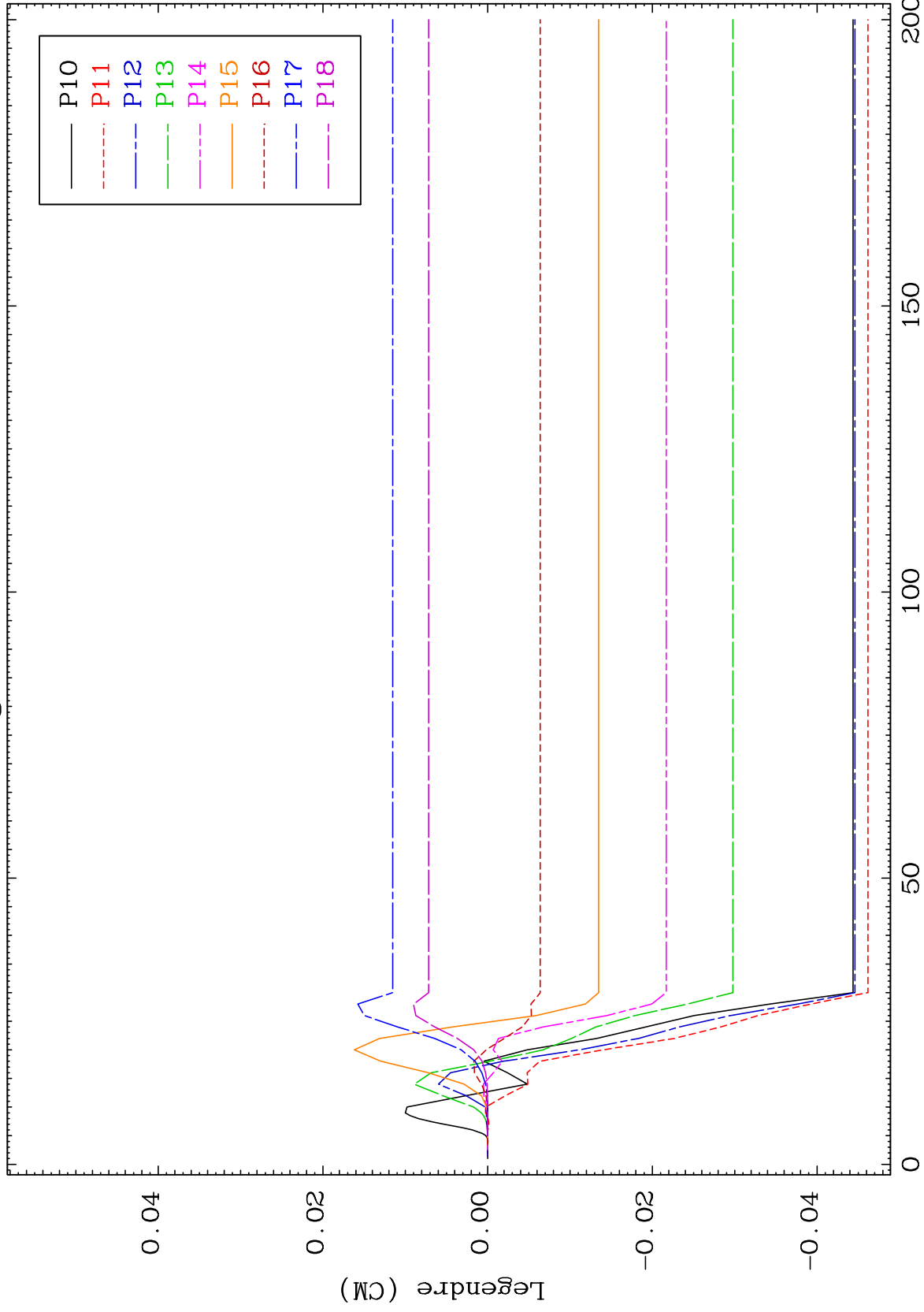
Incident Energy (MeV)

52

MAT 6289

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

63-Eu-139



53

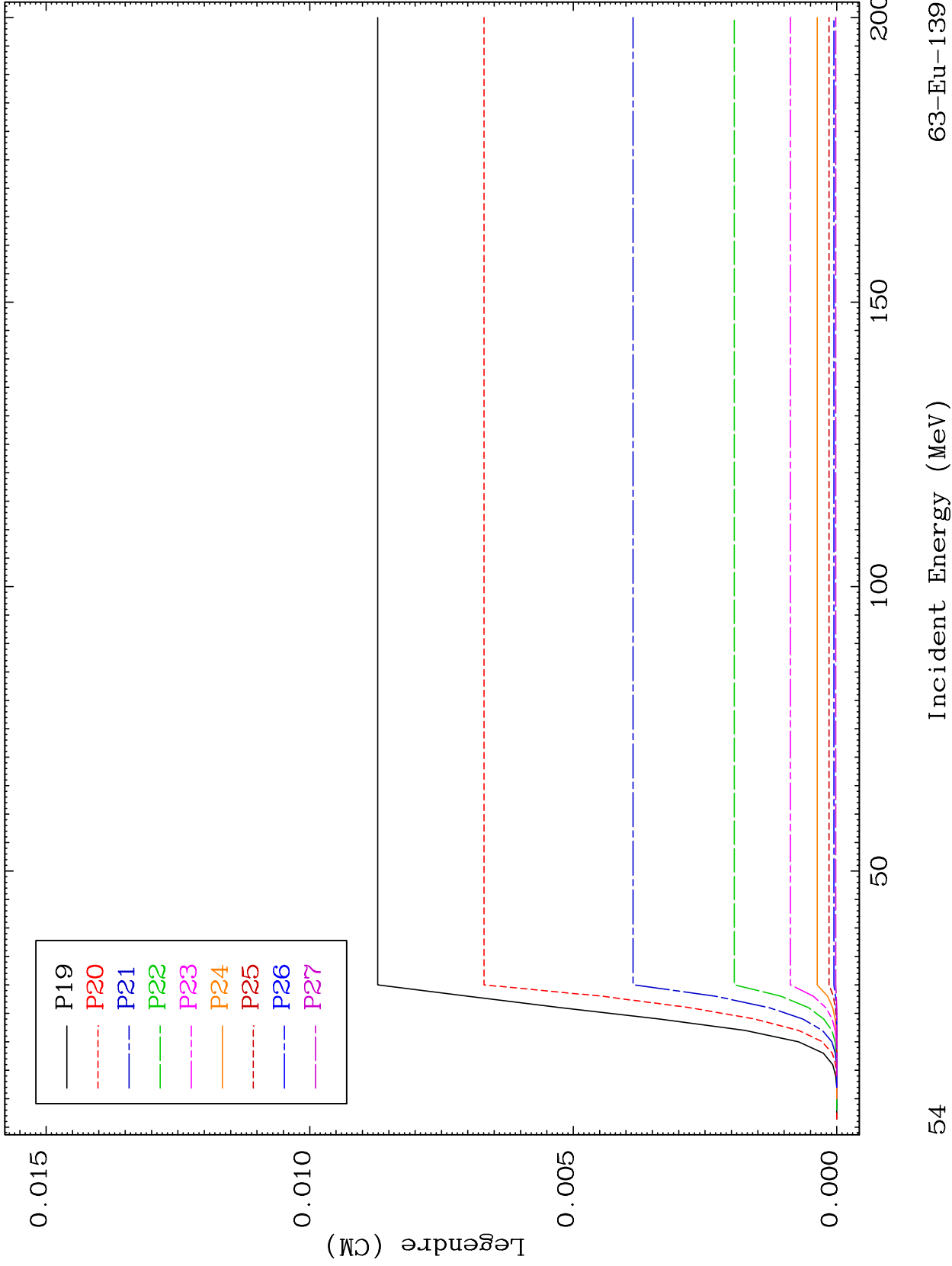
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



54

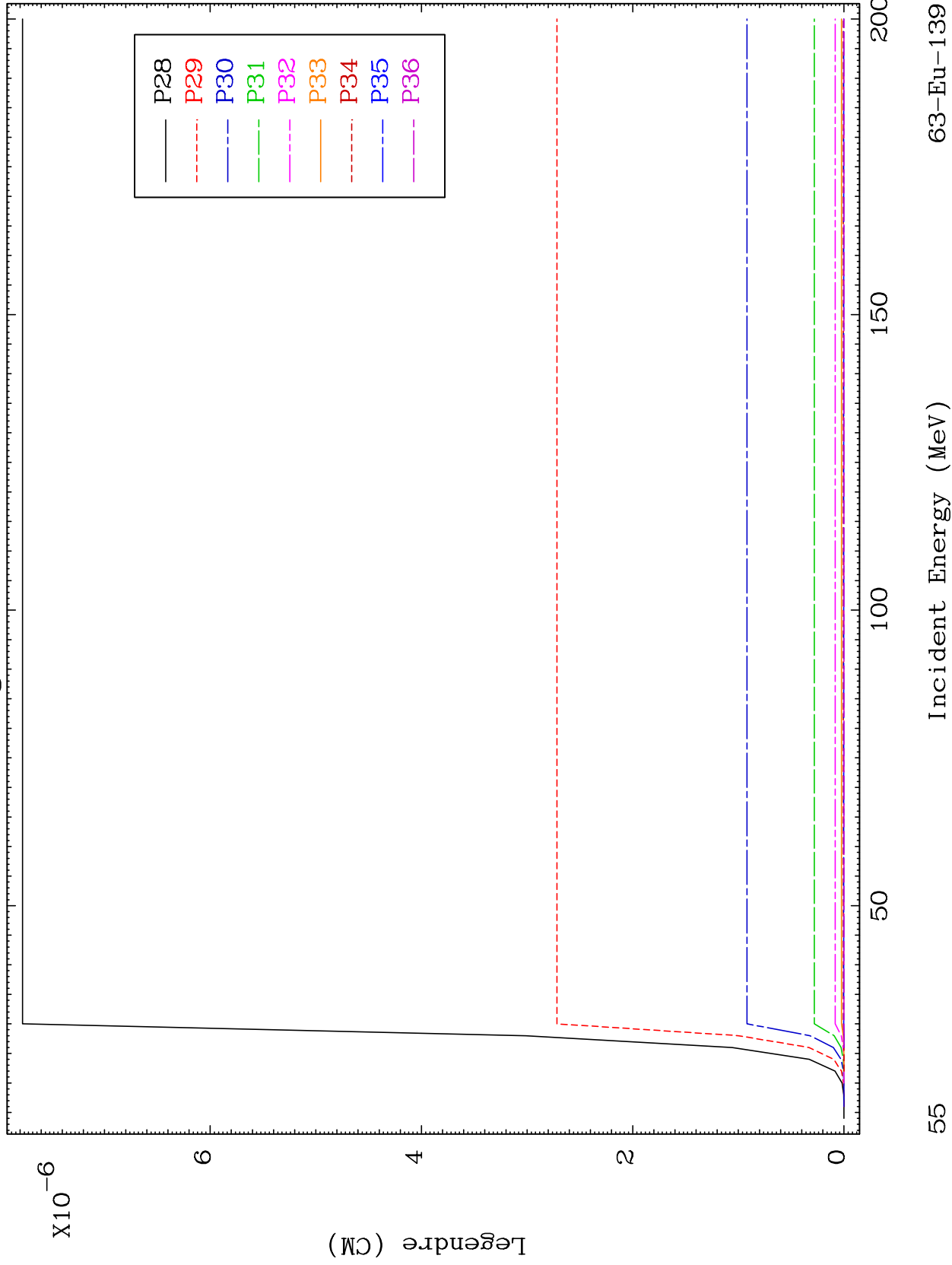
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



55

Incident Energy (MeV)

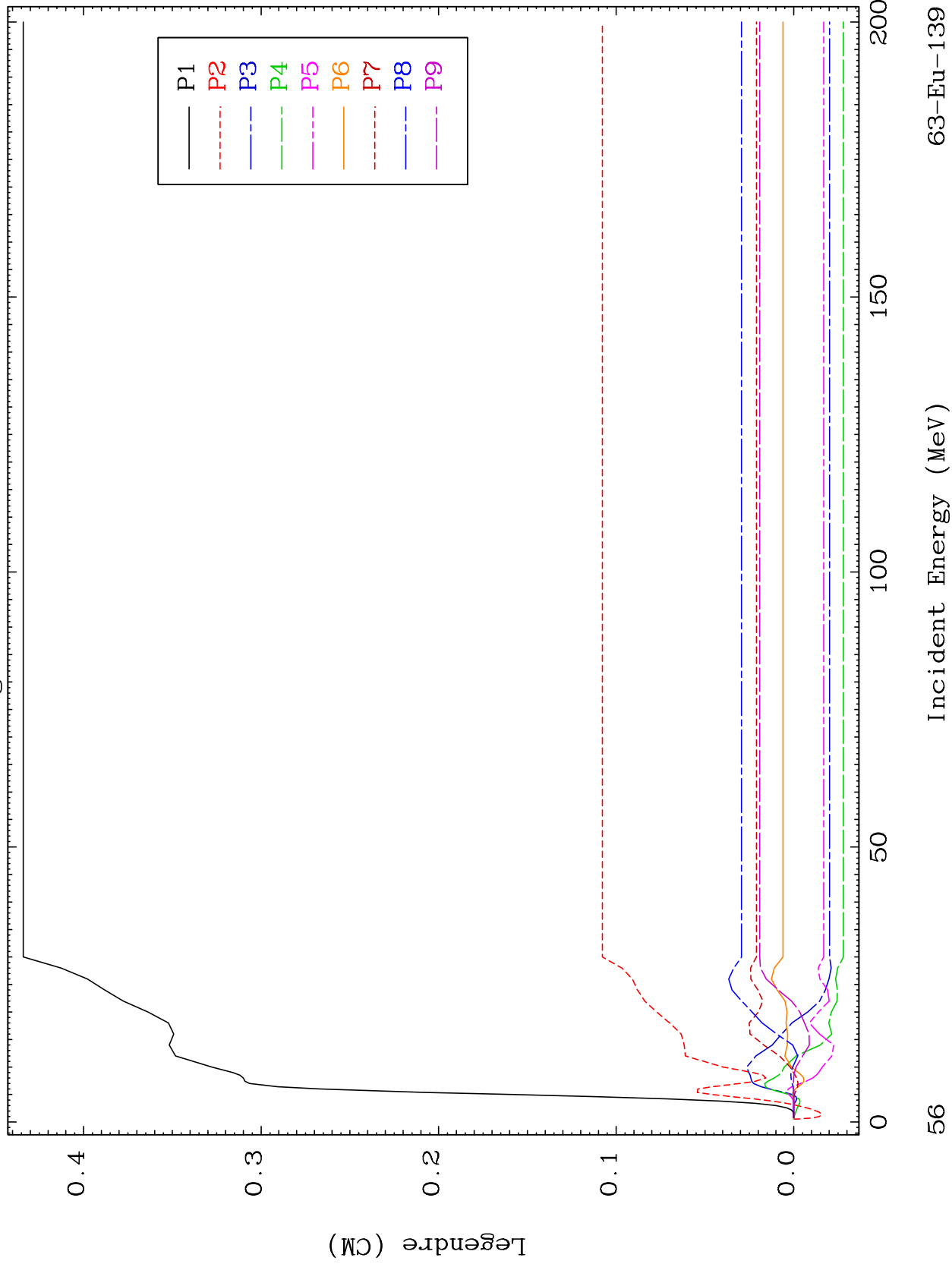
63-Eu-139



MAT 6289

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

63-Eu-139



56

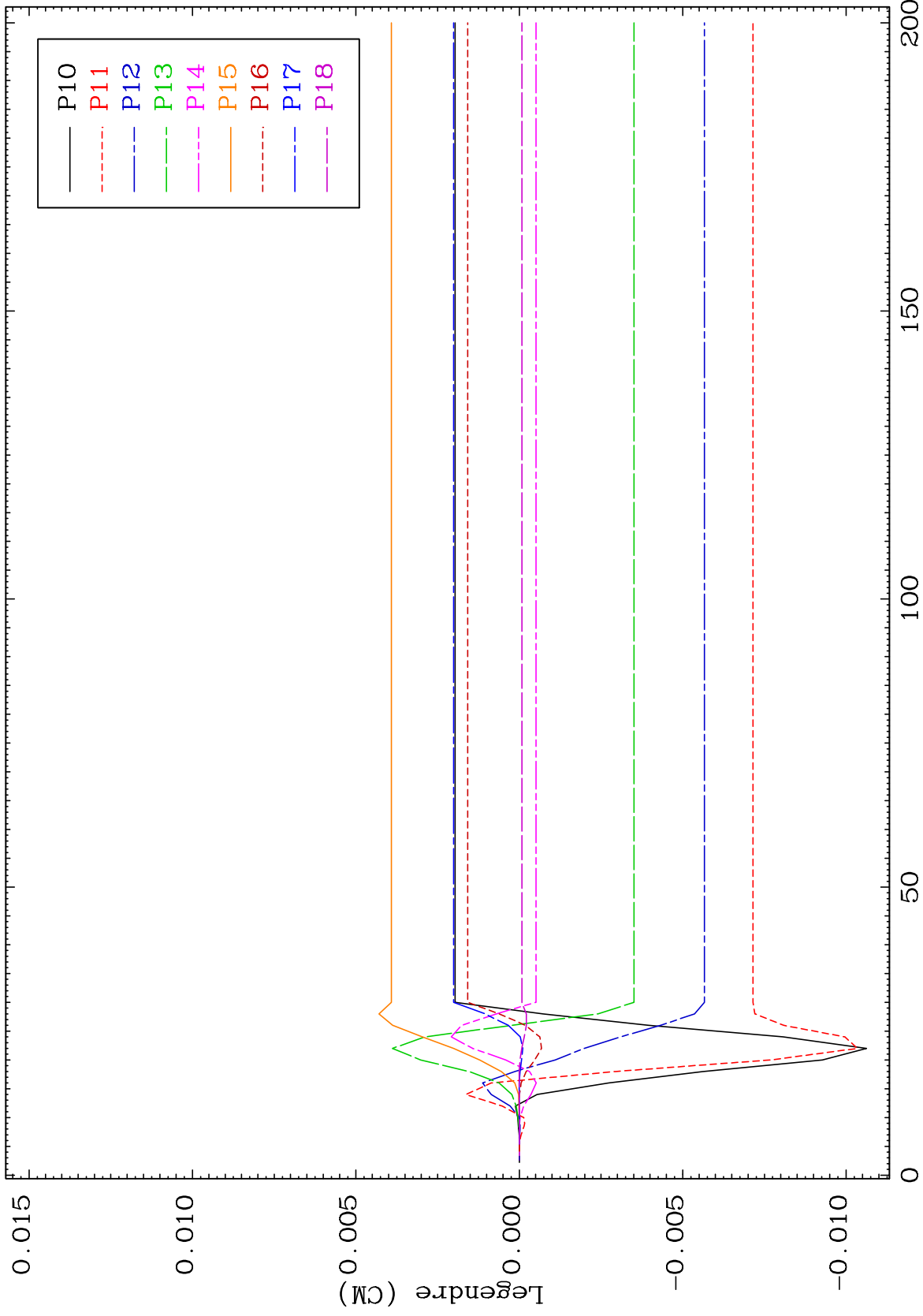
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

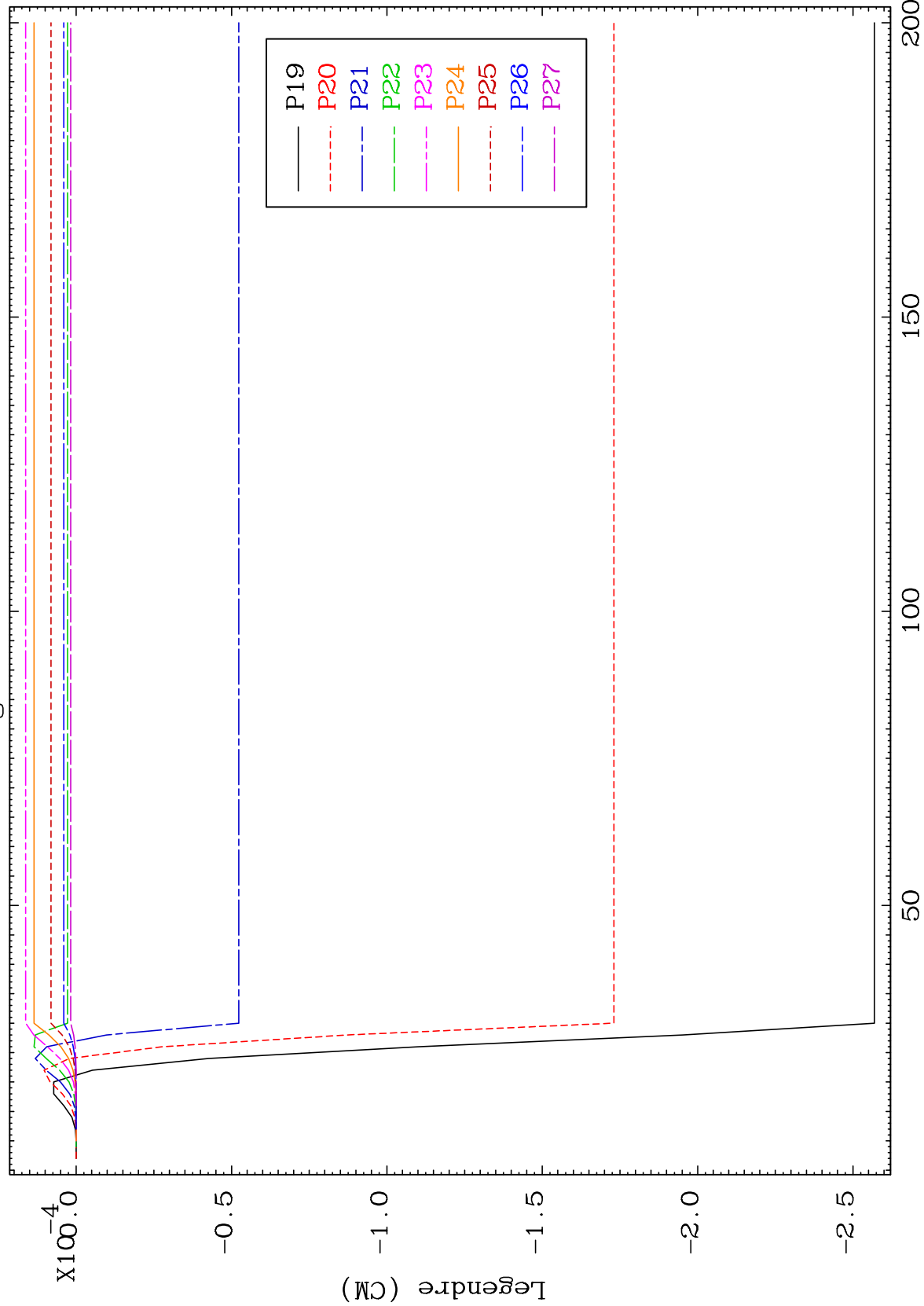
63-Eu-139



57

Incident Energy (MeV)

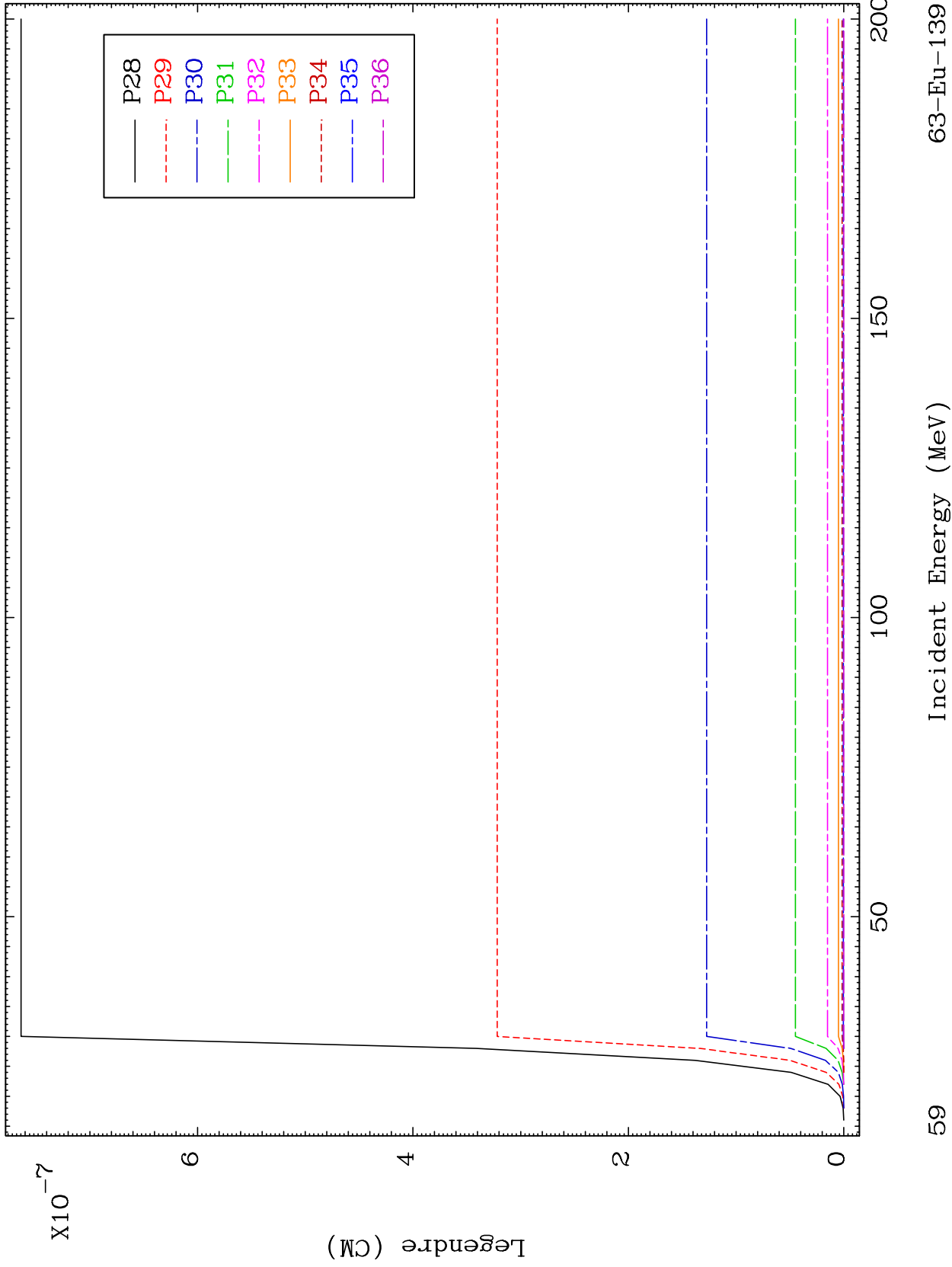
63-Eu-139



MAT 6289

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

63-Eu-139



59

Incident Energy (MeV)

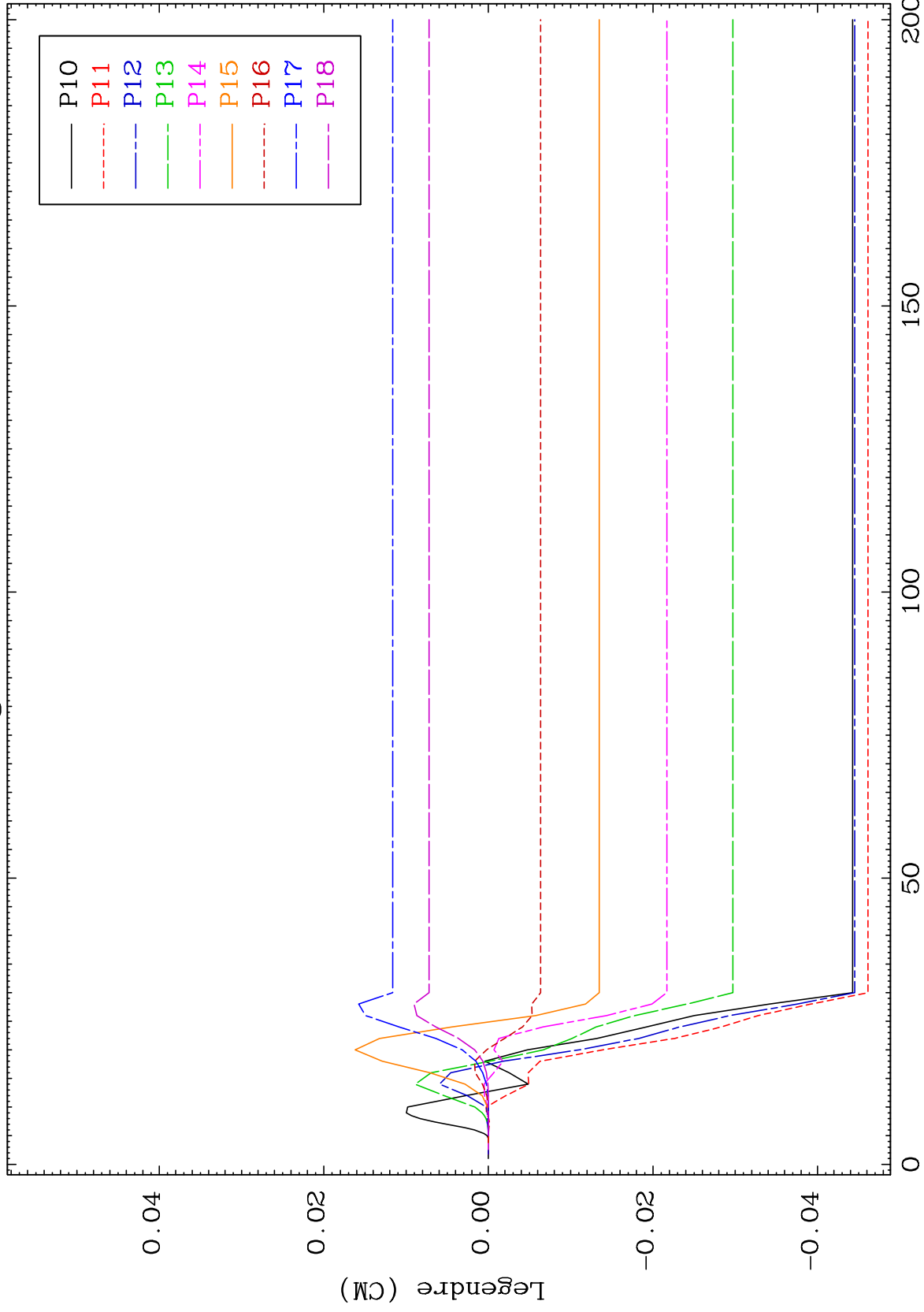
63-Eu-139



MAT 6289

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

63-Eu-139



61

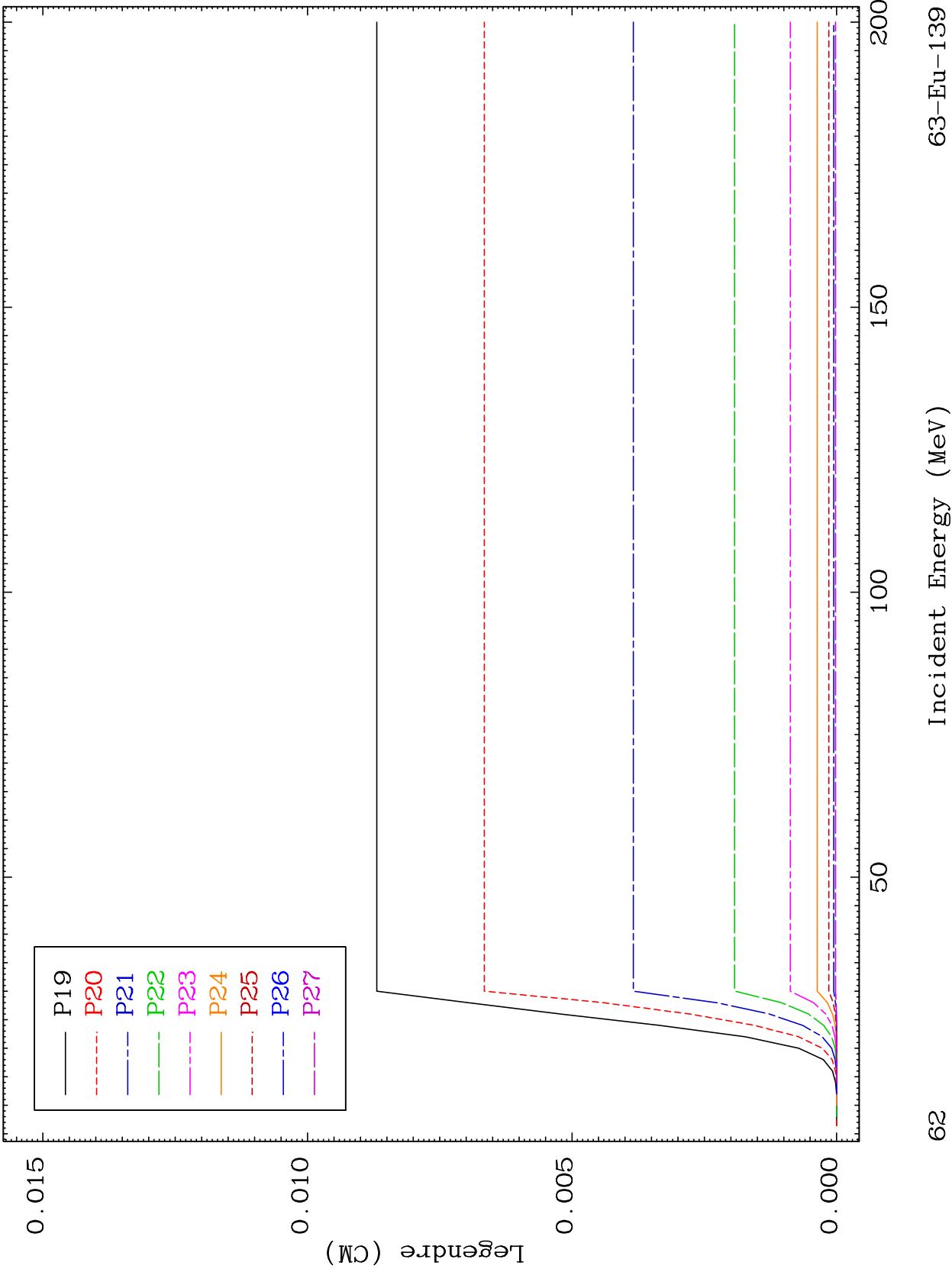
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



62

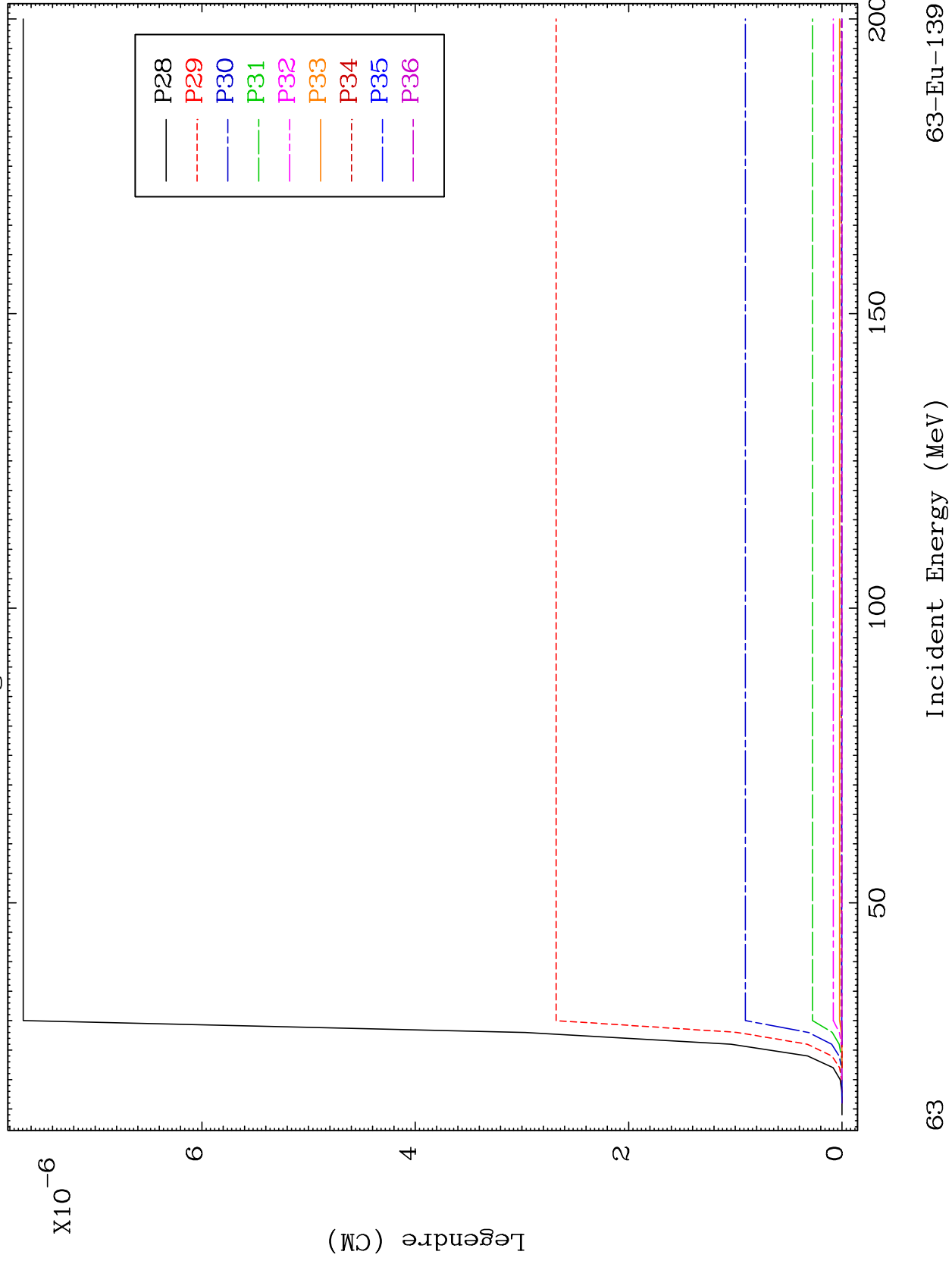
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



63

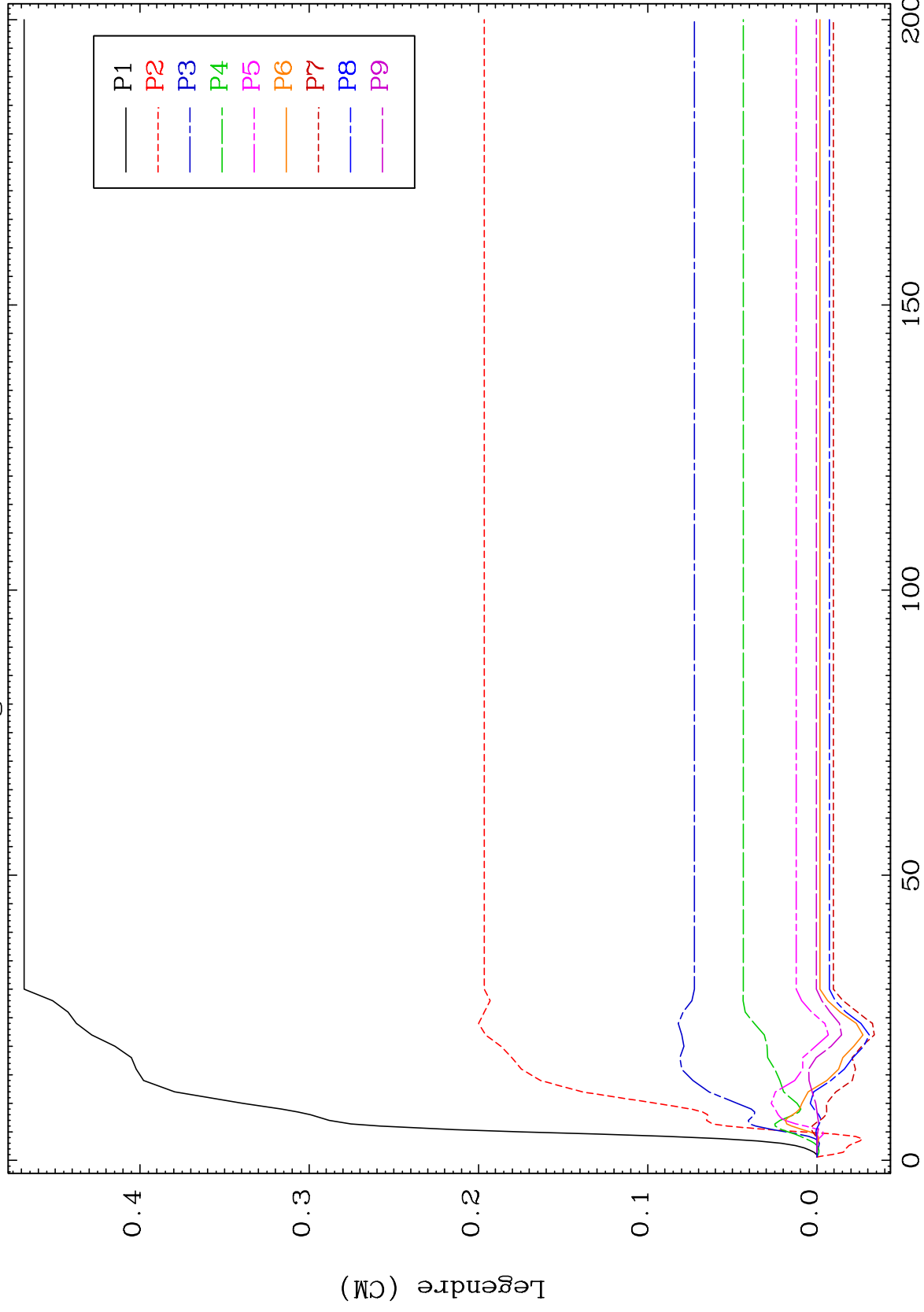
63-Eu-139



MAT 6289

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

63-Eu-139



64

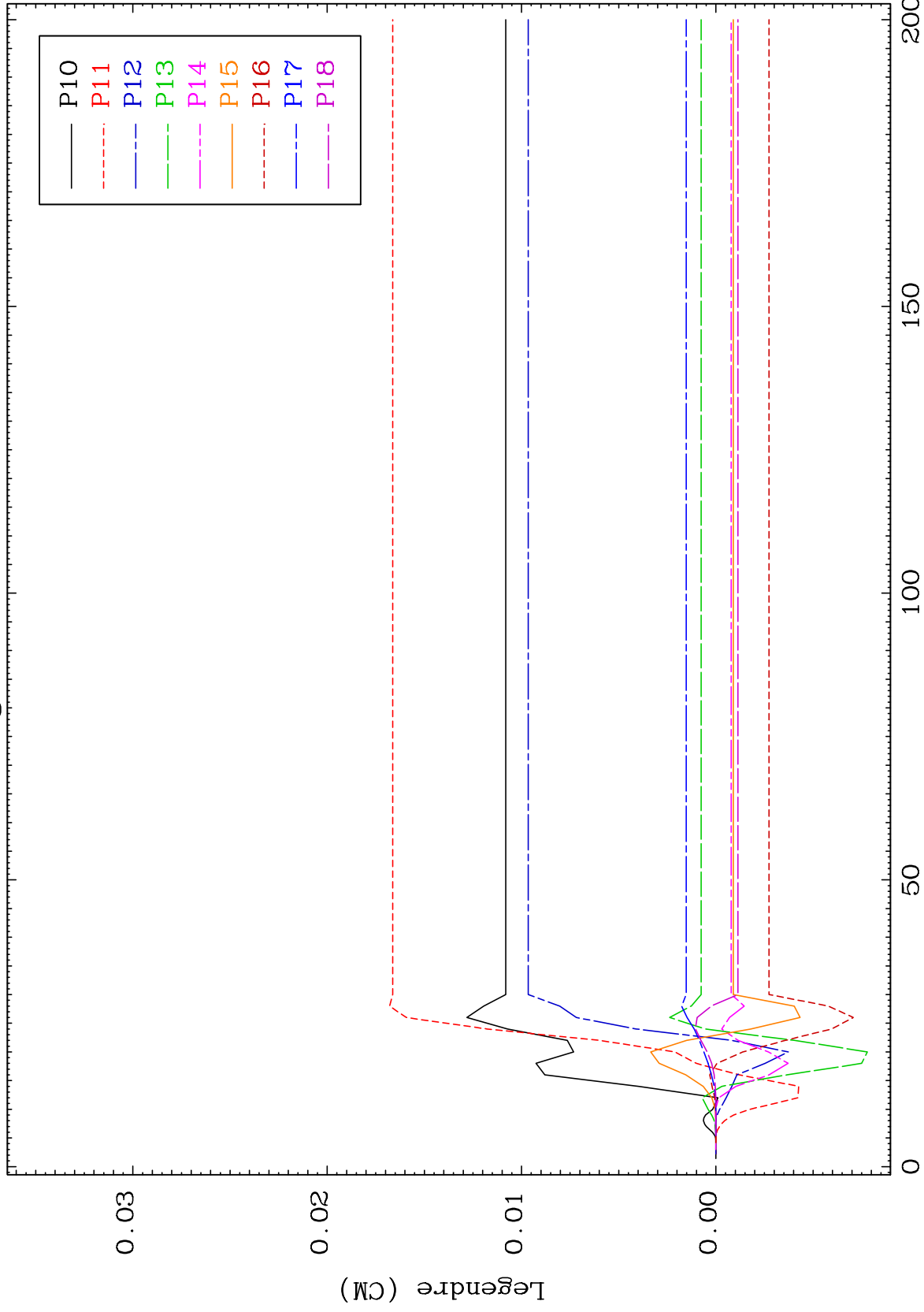
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



65

Incident Energy (MeV)

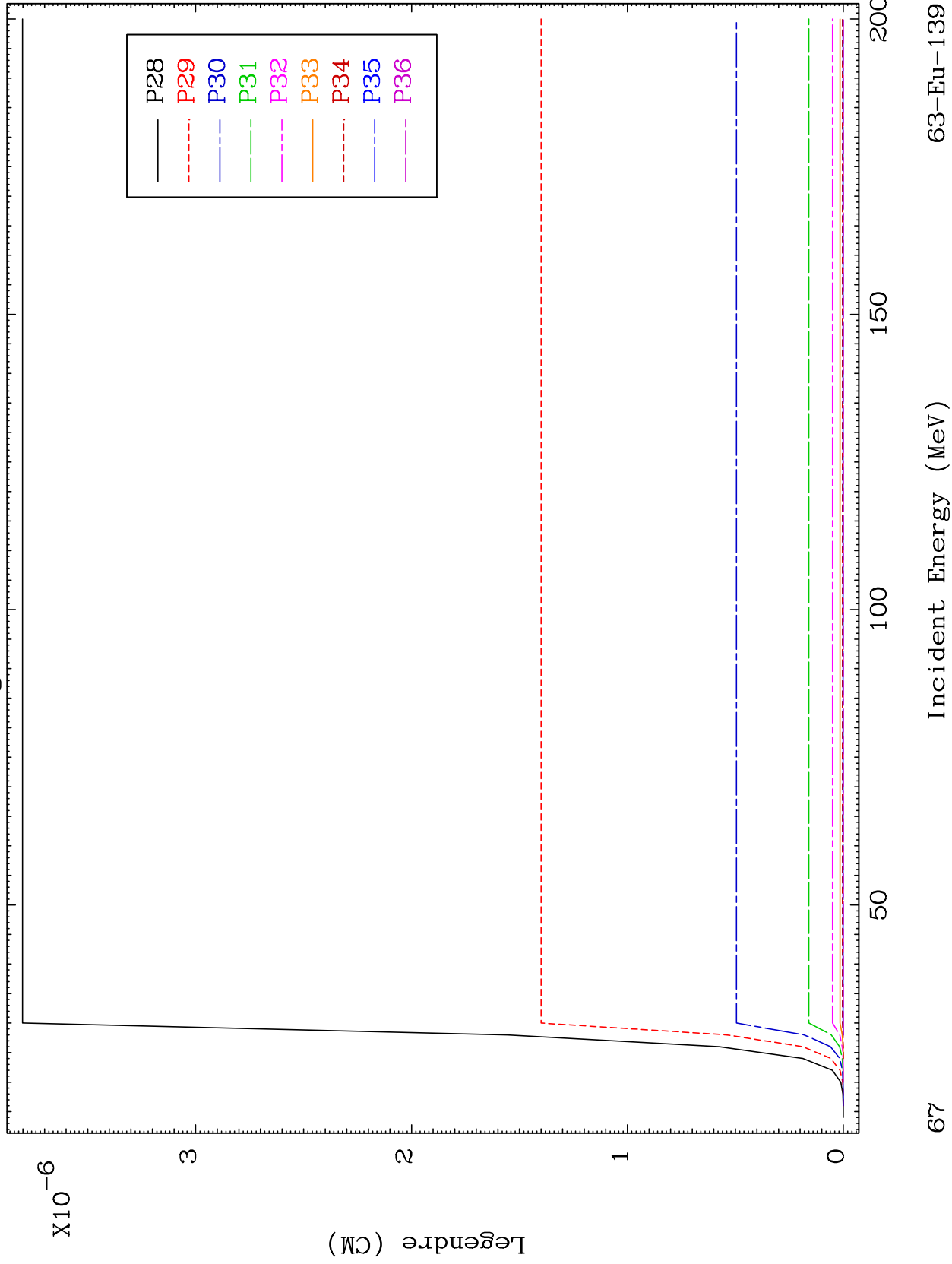
63-Eu-139



MAT 6289

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

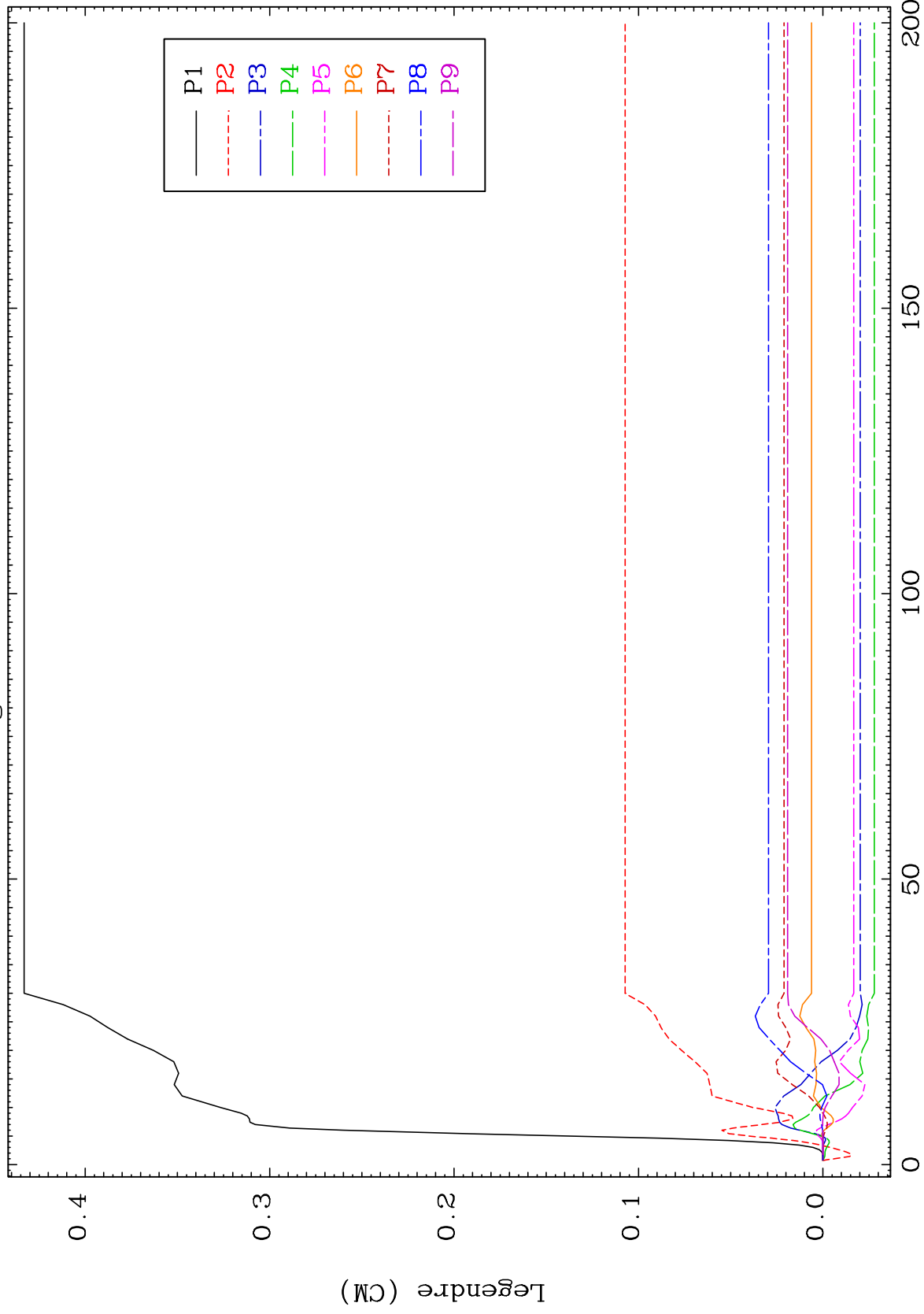
63-Eu-139



MAT 6289

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

63-Eu-139



63-Eu-139

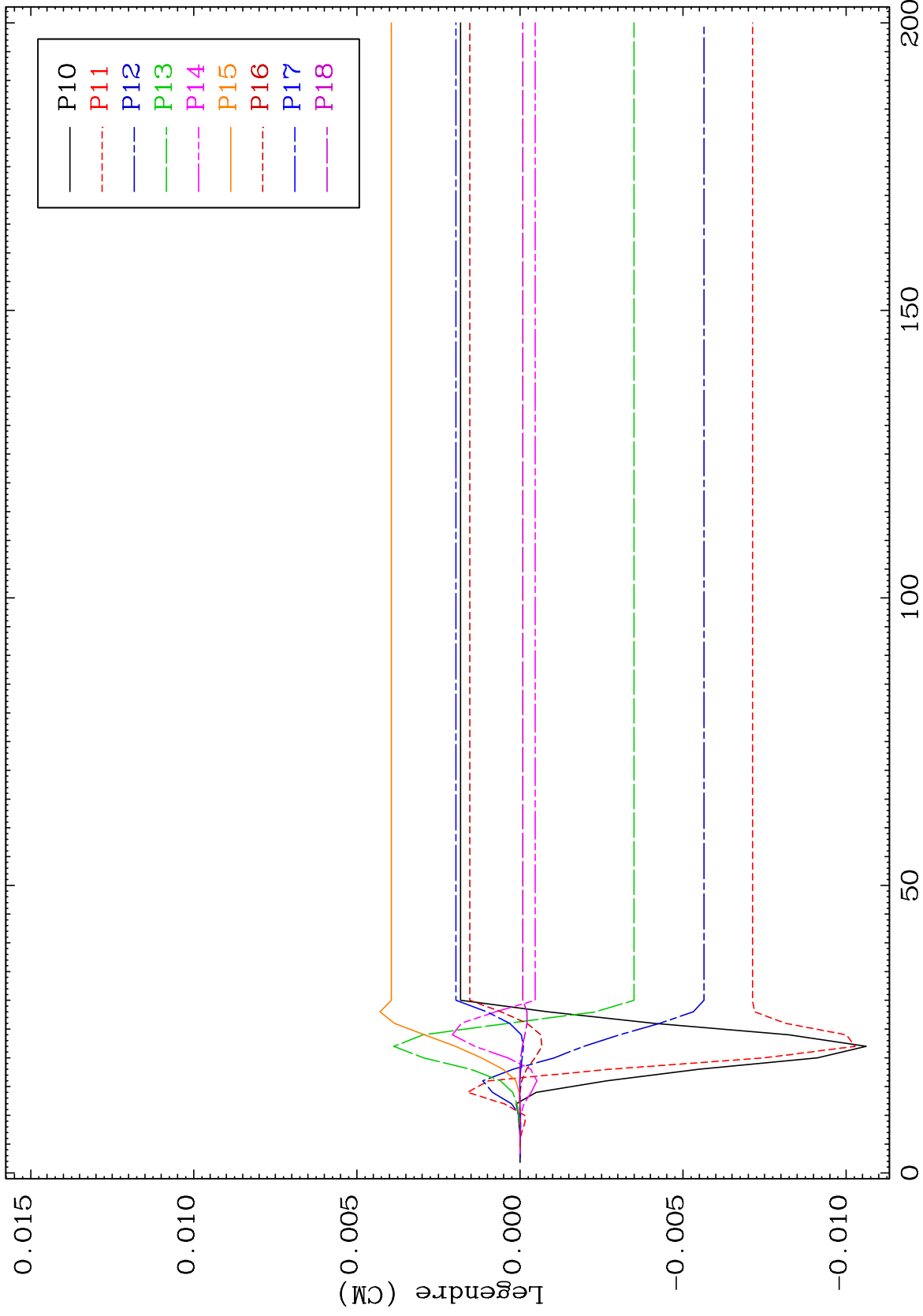
Incident Energy (MeV)

68

MAT 6289

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

63-Eu-139



69

Incident Energy (MeV)

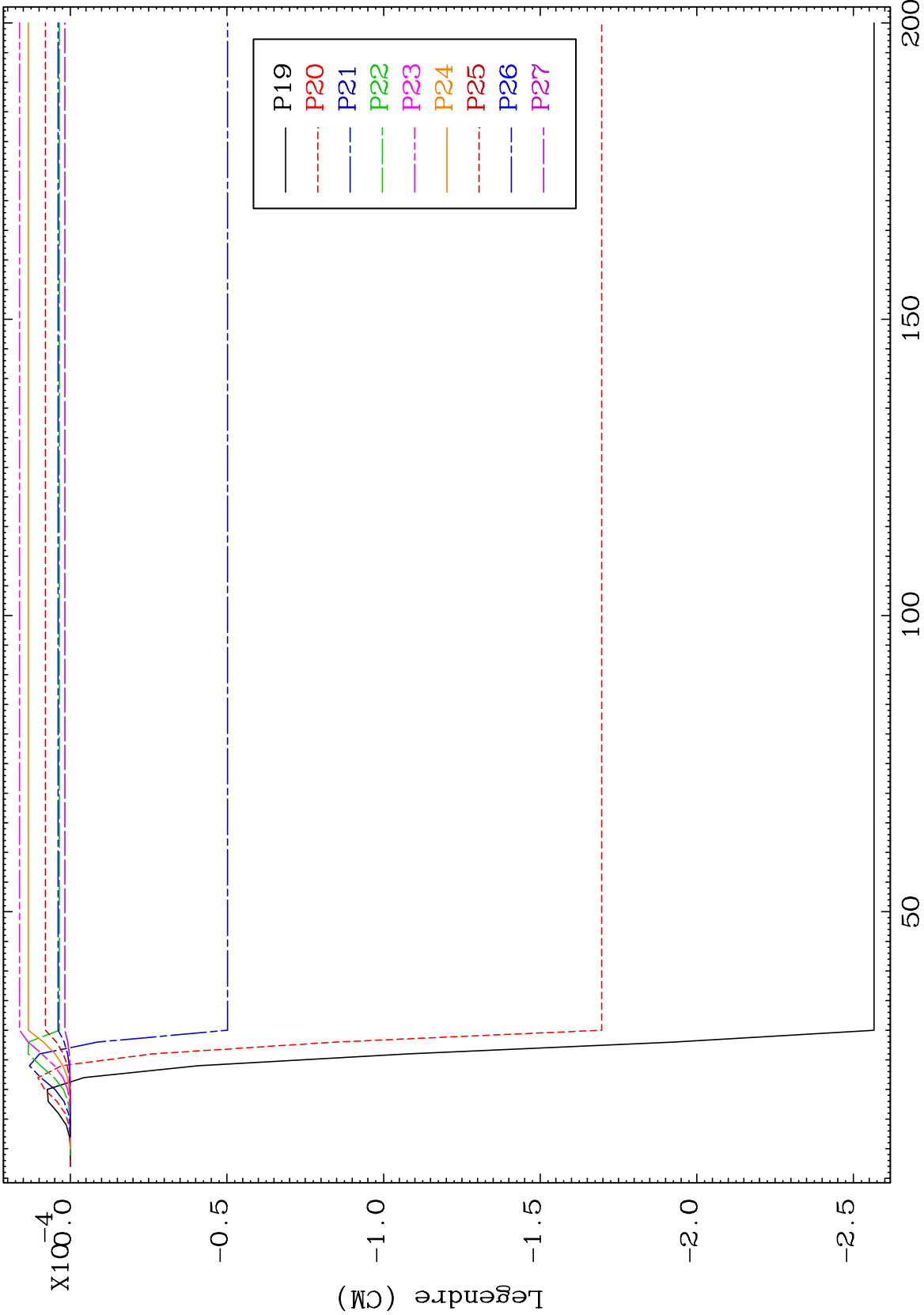
63-Eu-139

MAT 6289

MT= 63 (n,n') Level

63-Eu-139

Legendre Coefficients



63-Eu-139

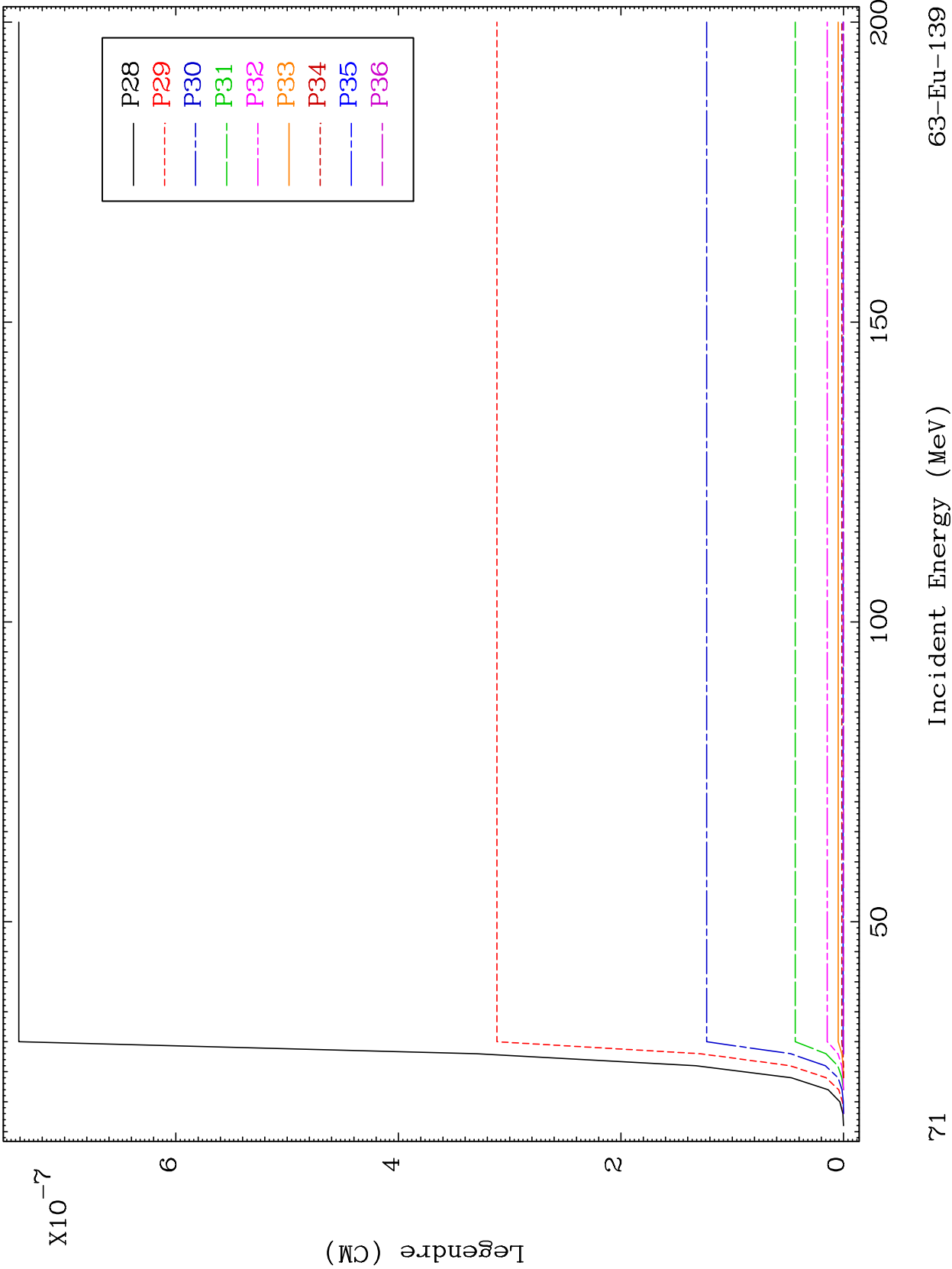
Incident Energy (MeV)

70

MAT 6289

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

63-Eu-139



71

Incident Energy (MeV)

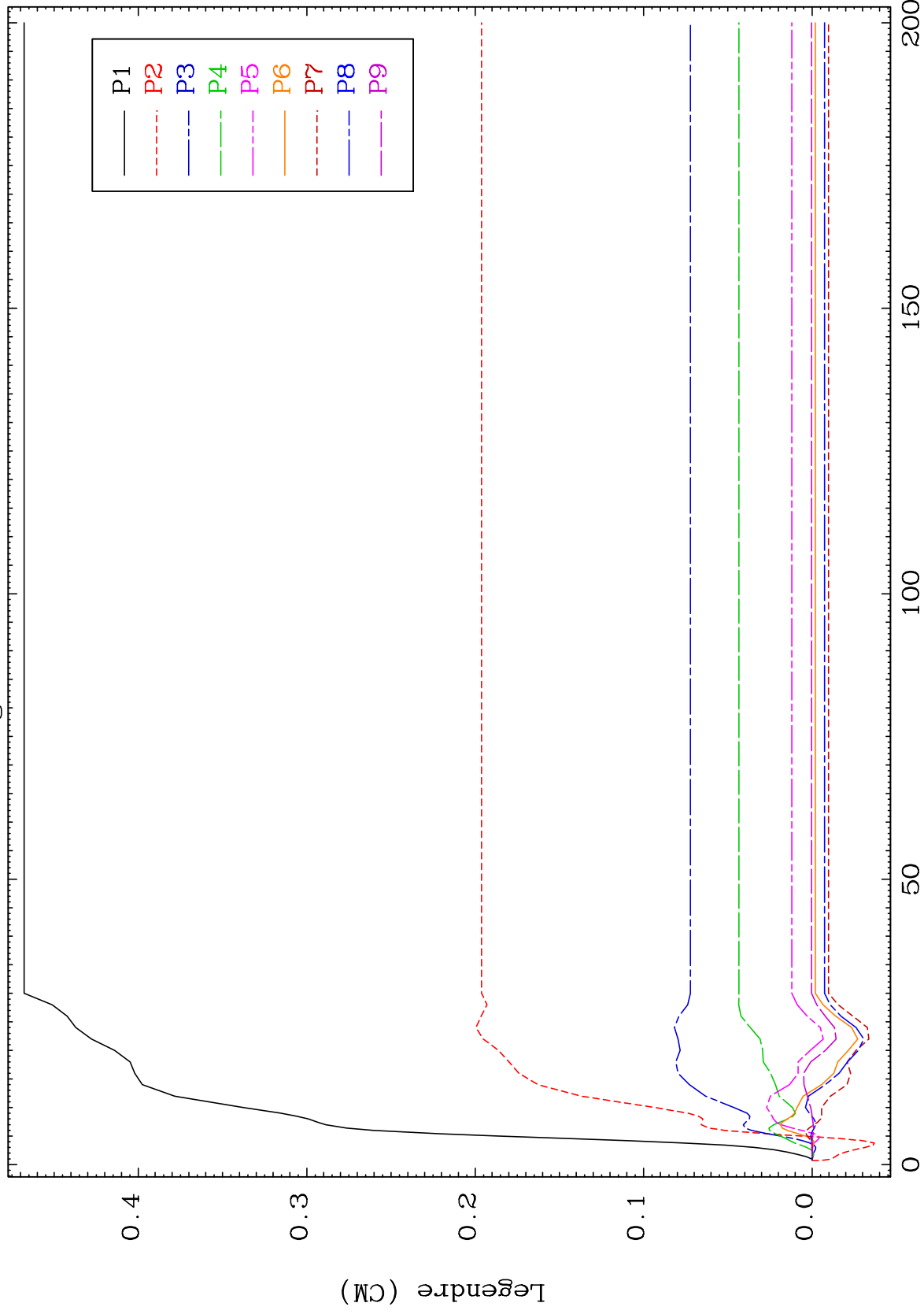
63-Eu-139



MAT 6289

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

63-Eu-139



72

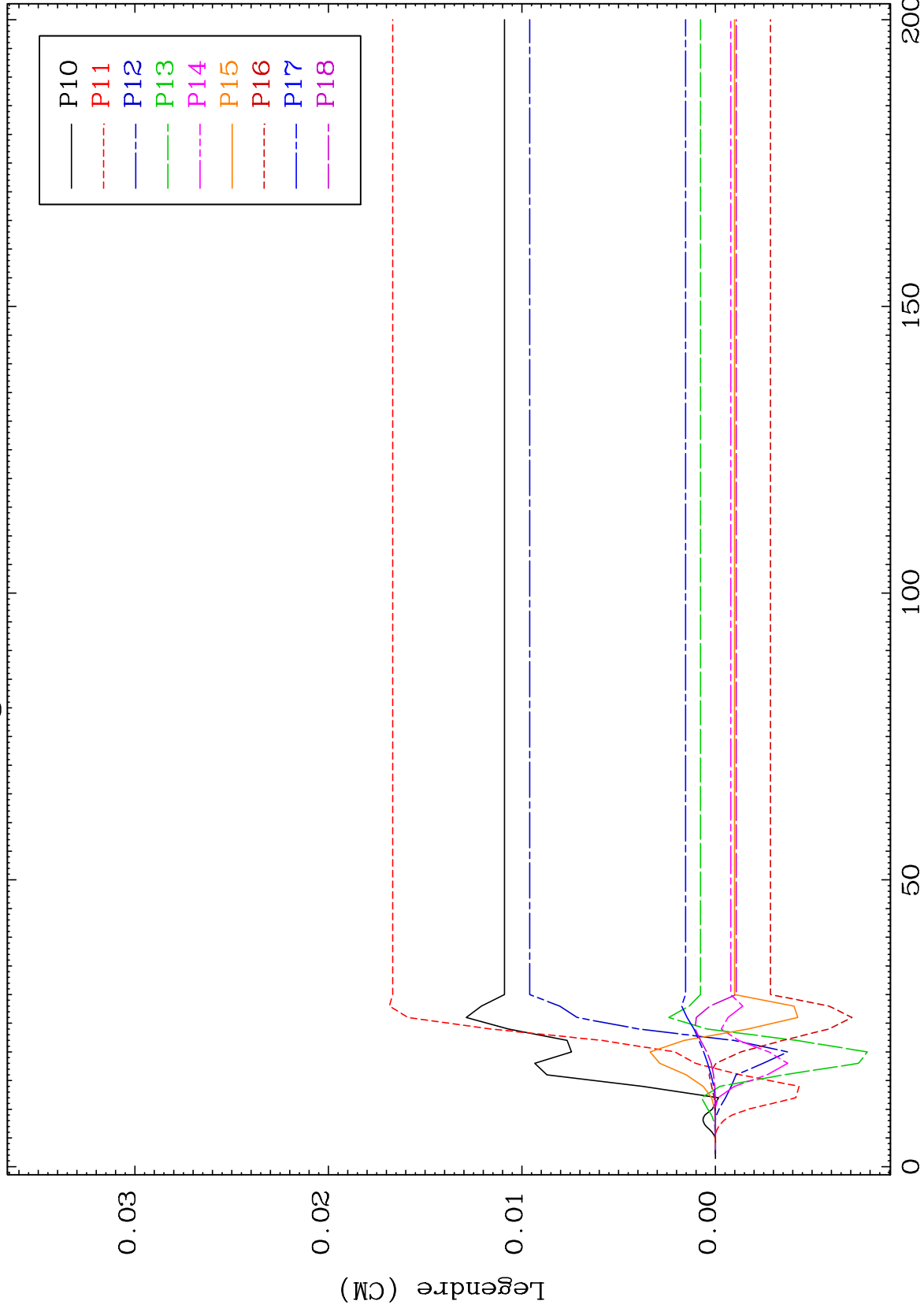
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

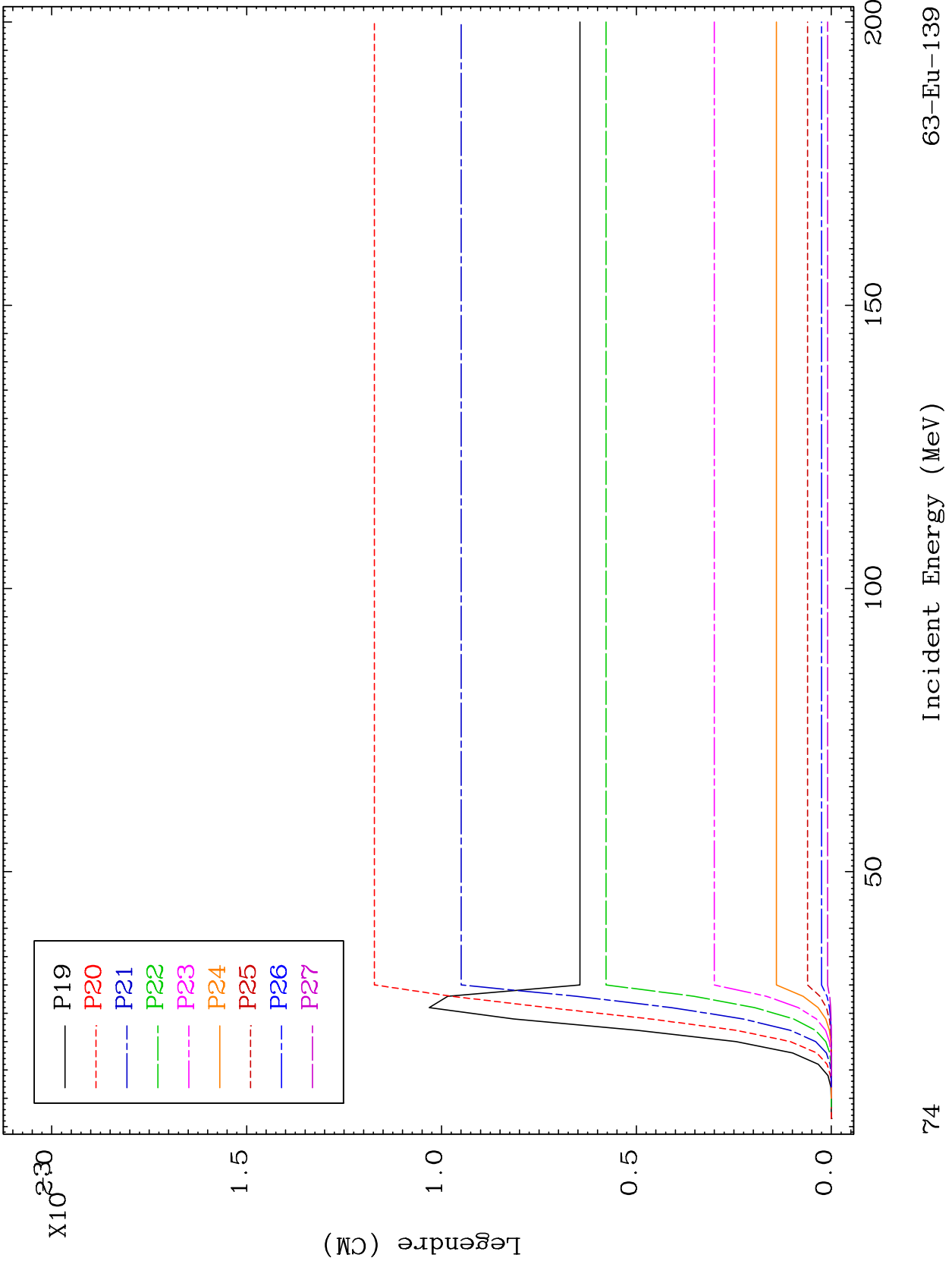
63-Eu-139



73

Incident Energy (MeV)

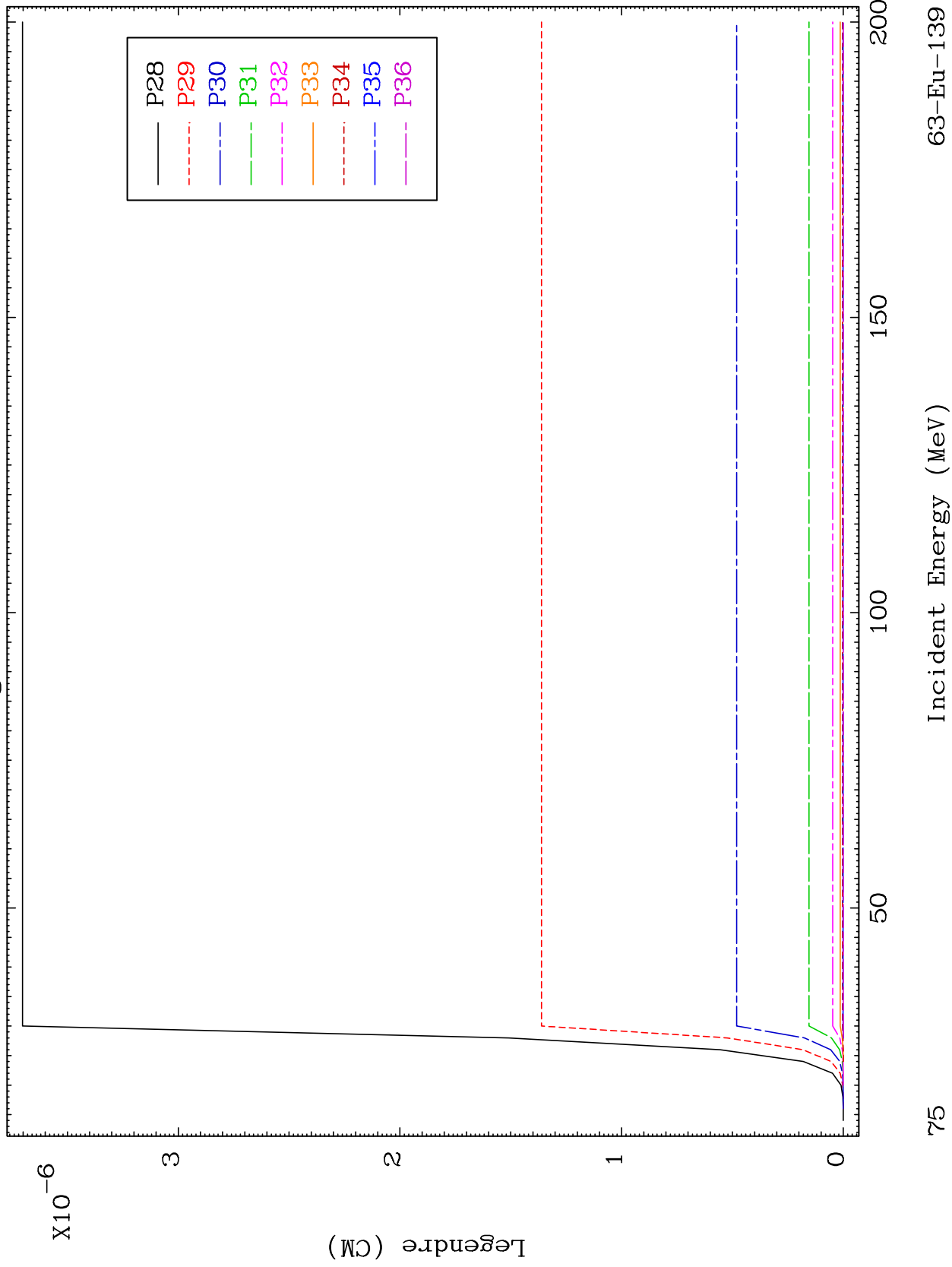
63-Eu-139



MAT 6289

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

63-Eu-139



75

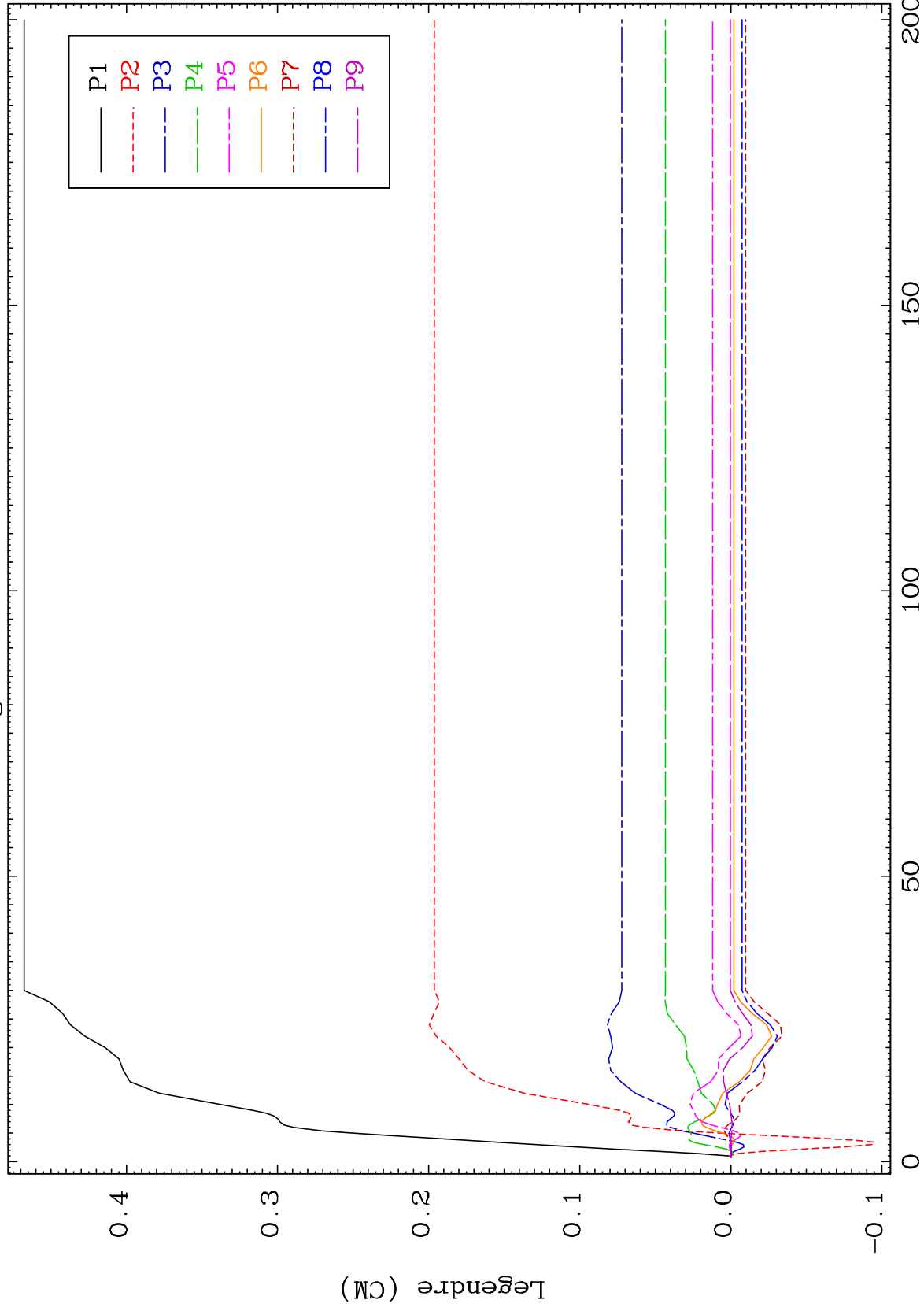
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



76

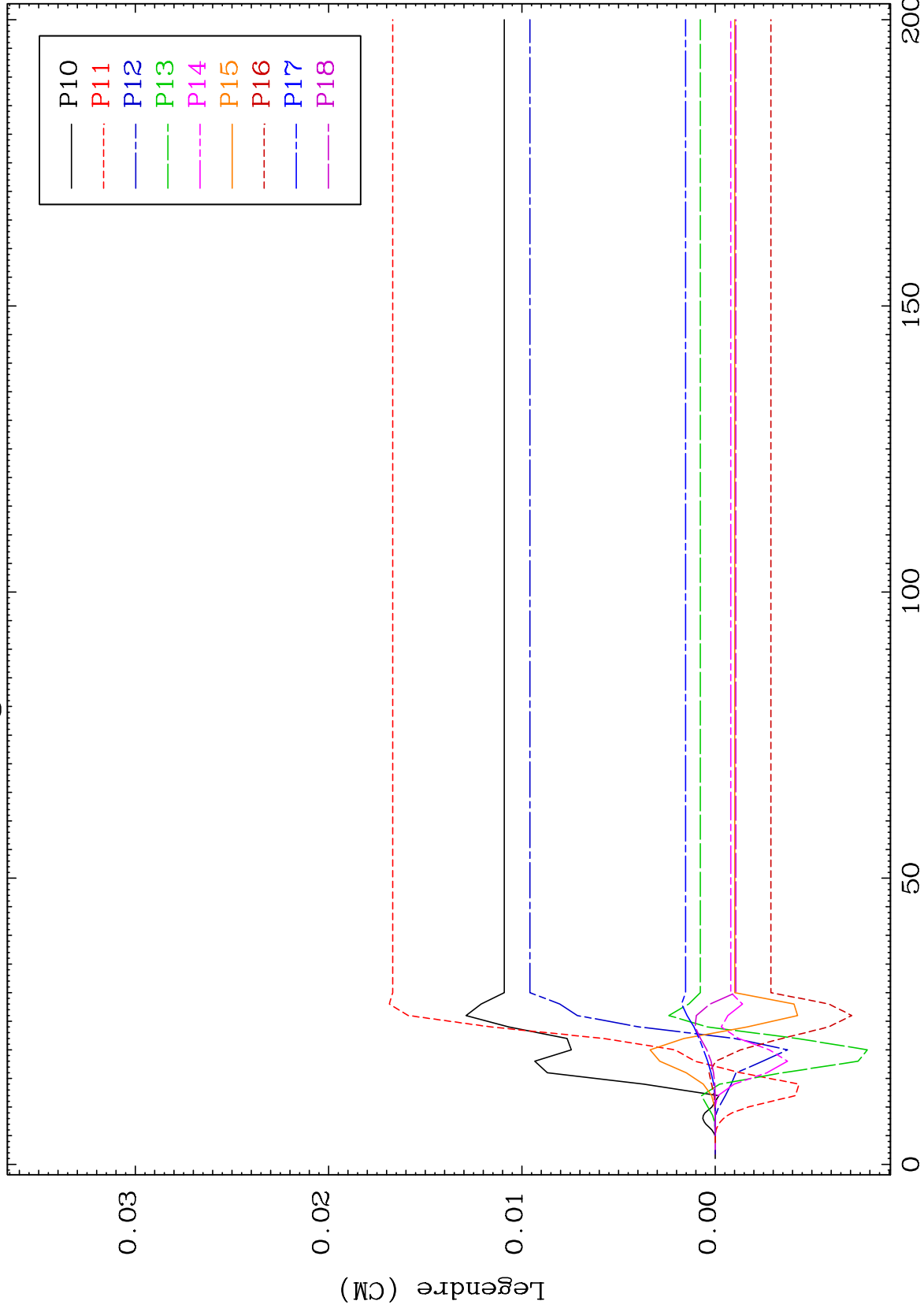
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

63-Eu-139



77

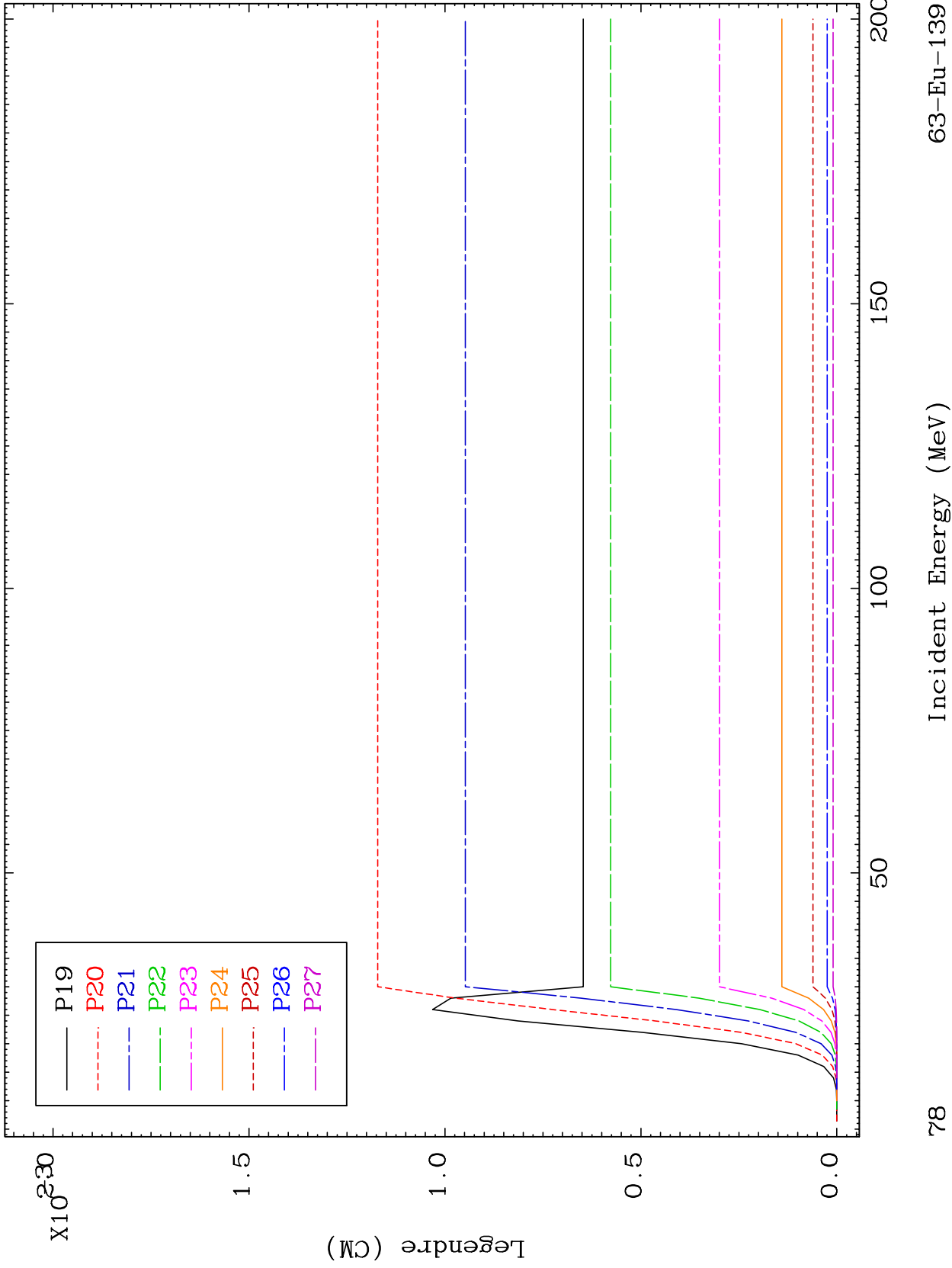
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

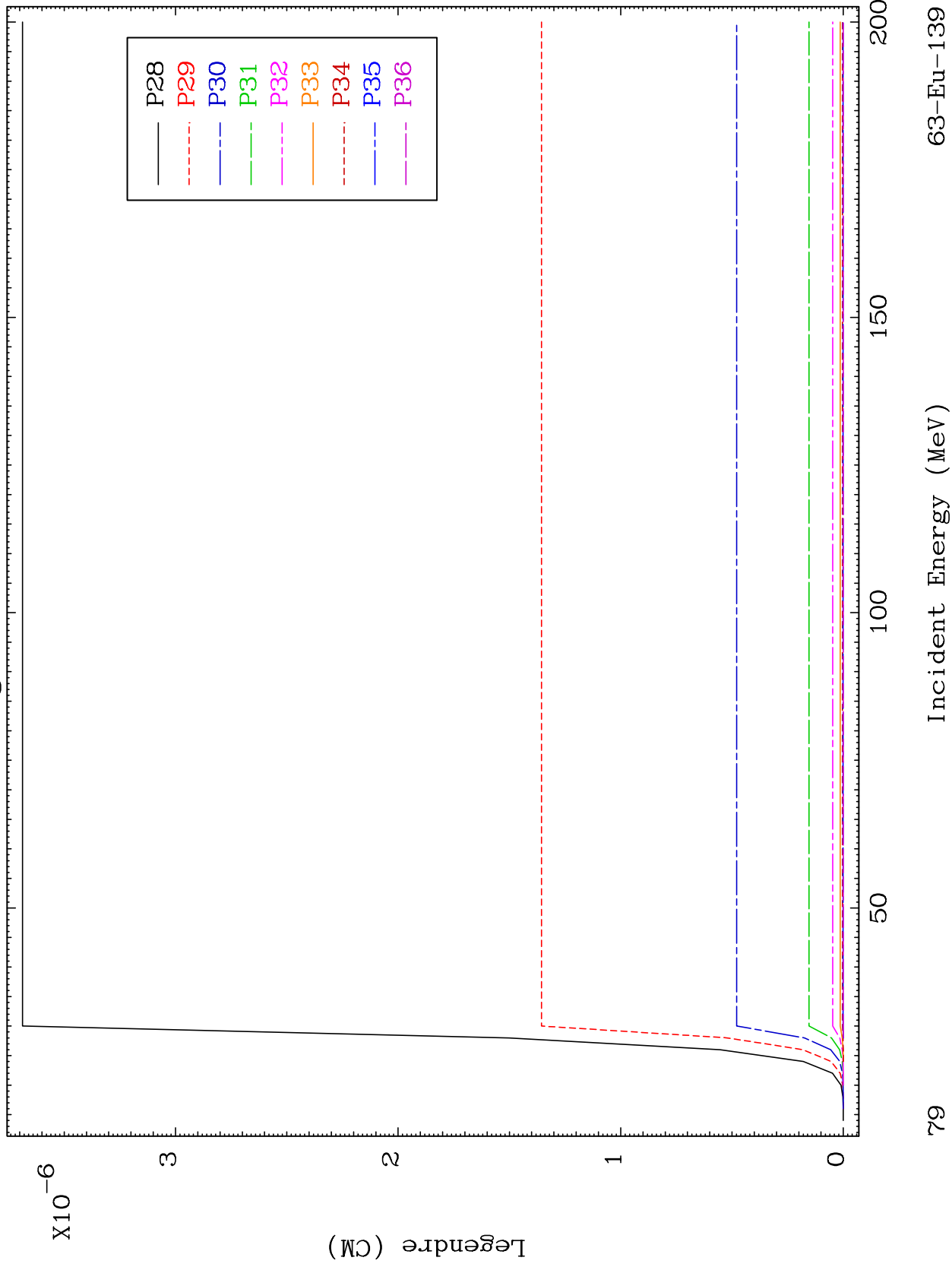
63-Eu-139



MAT 6289

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

63-Eu-139

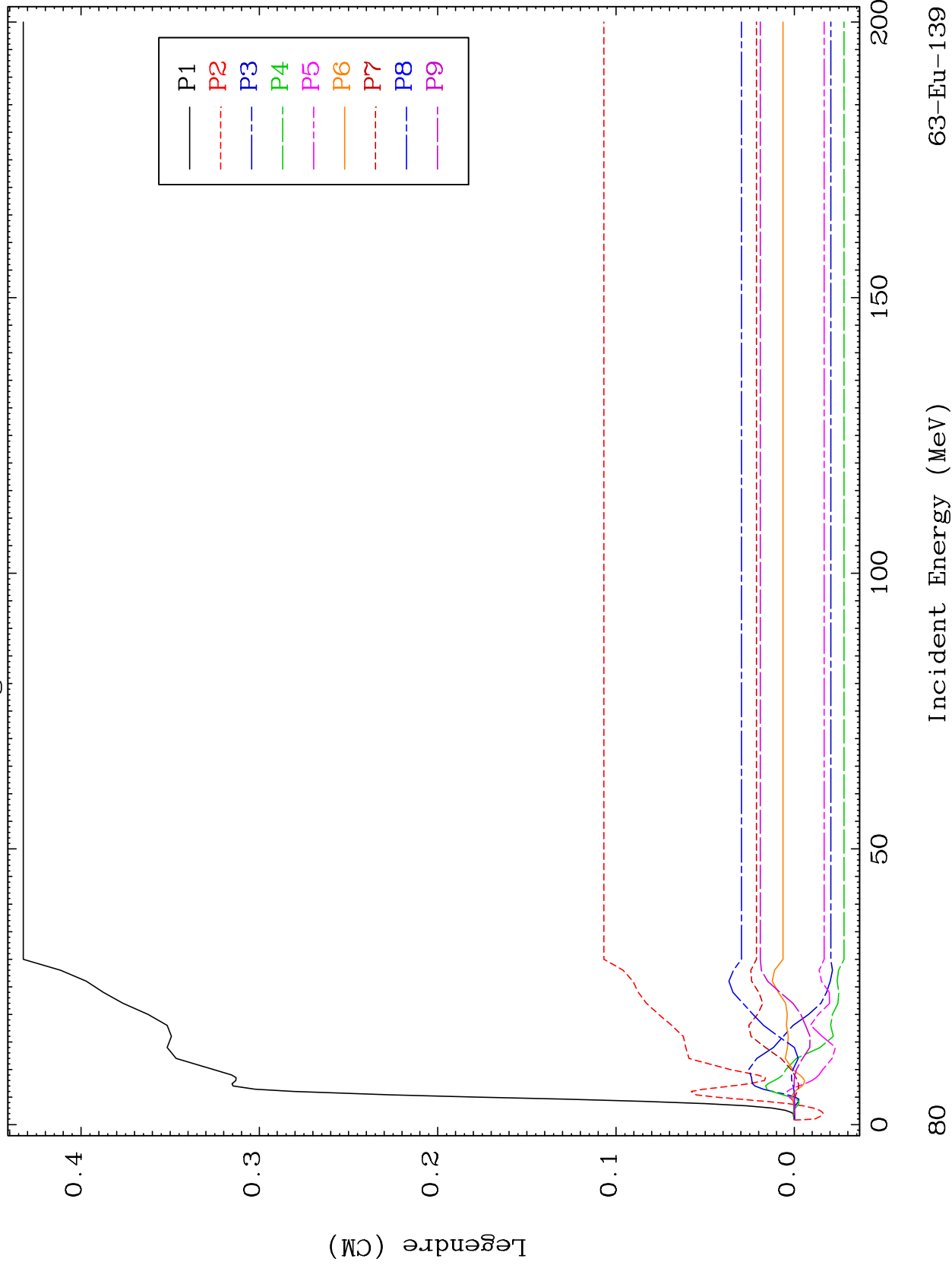




MAT 6289

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

63-Eu-139



63-Eu-139

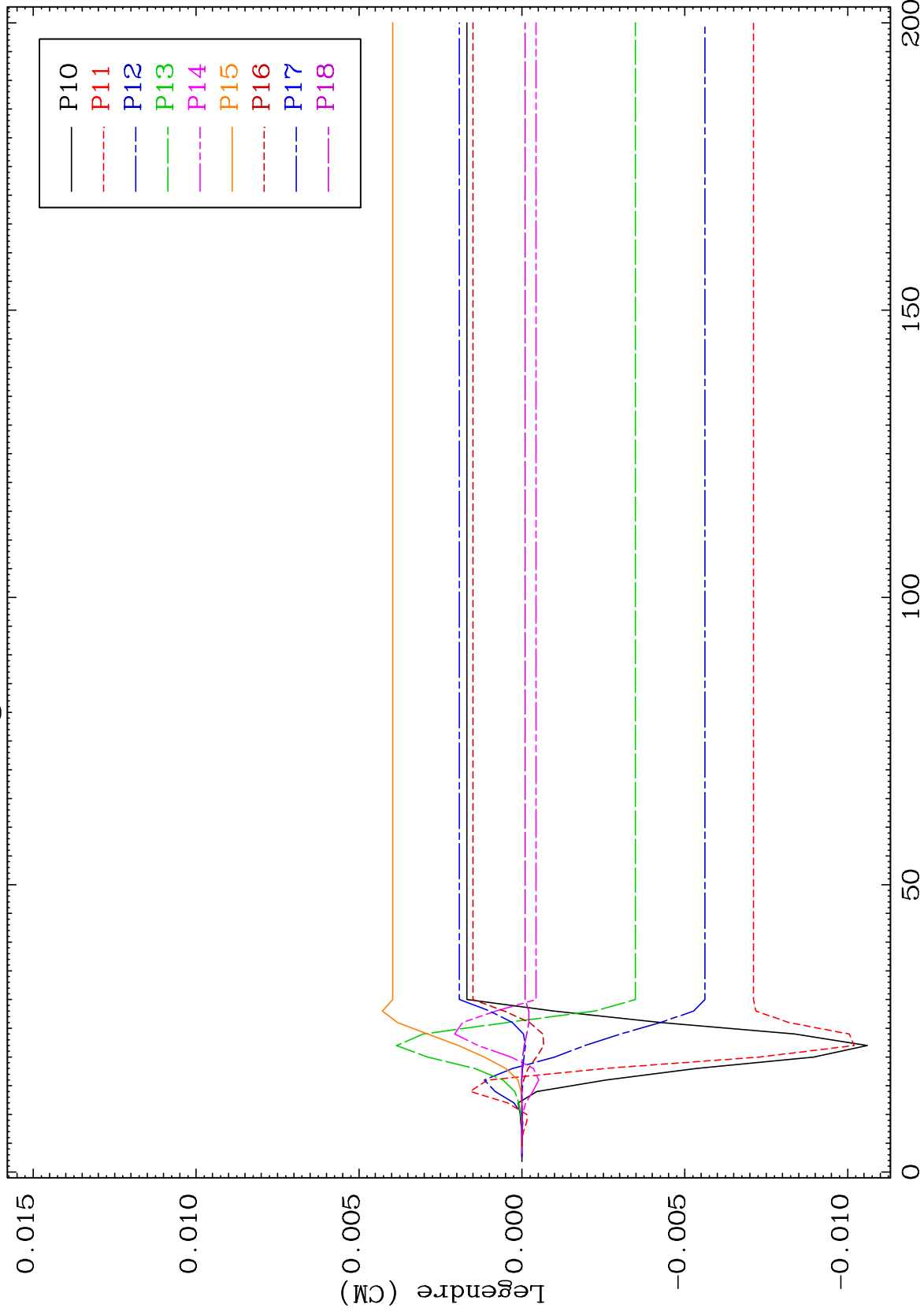
Incident Energy (MeV)

80

MAT 6289

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

63-Eu-139



81

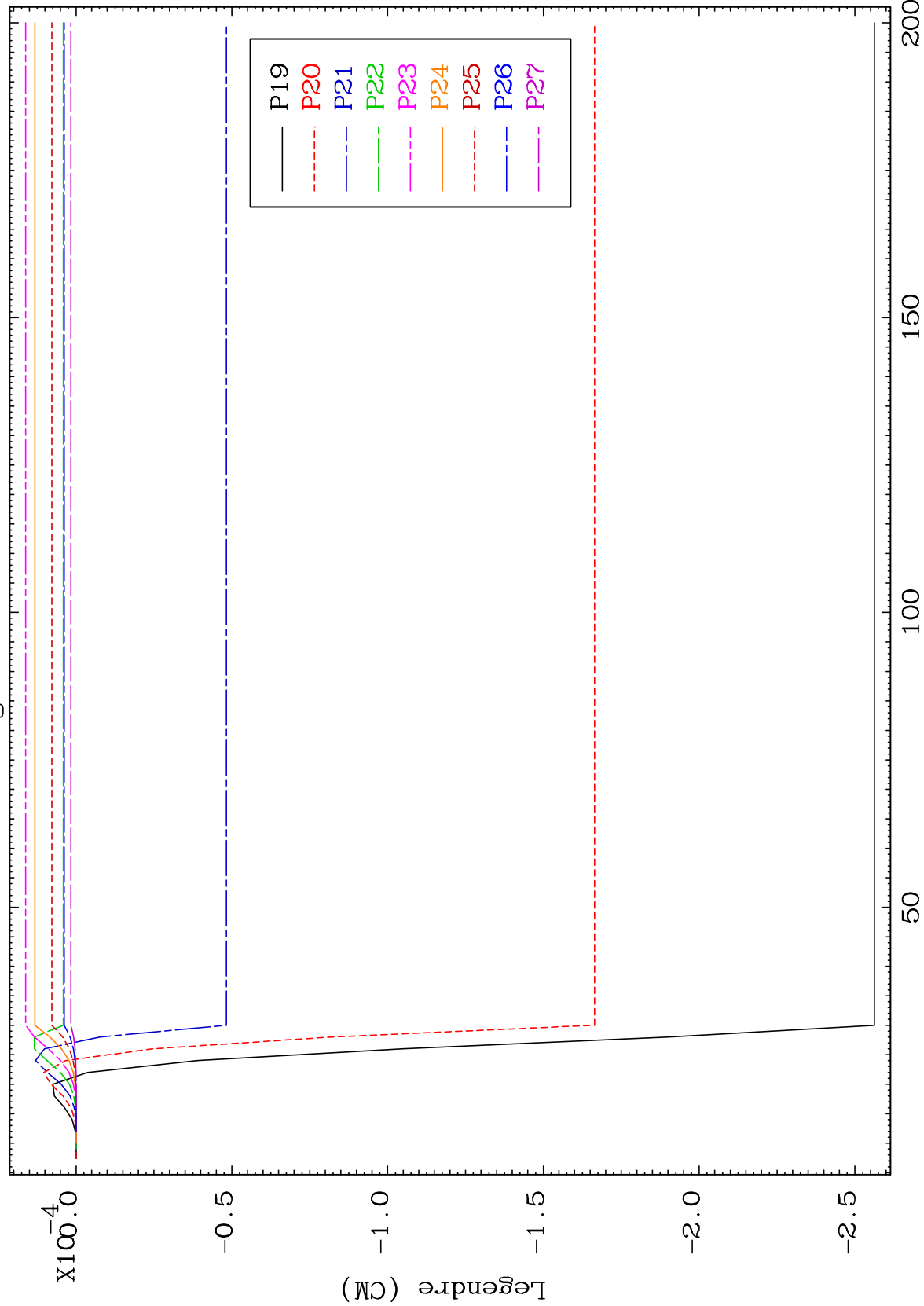
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

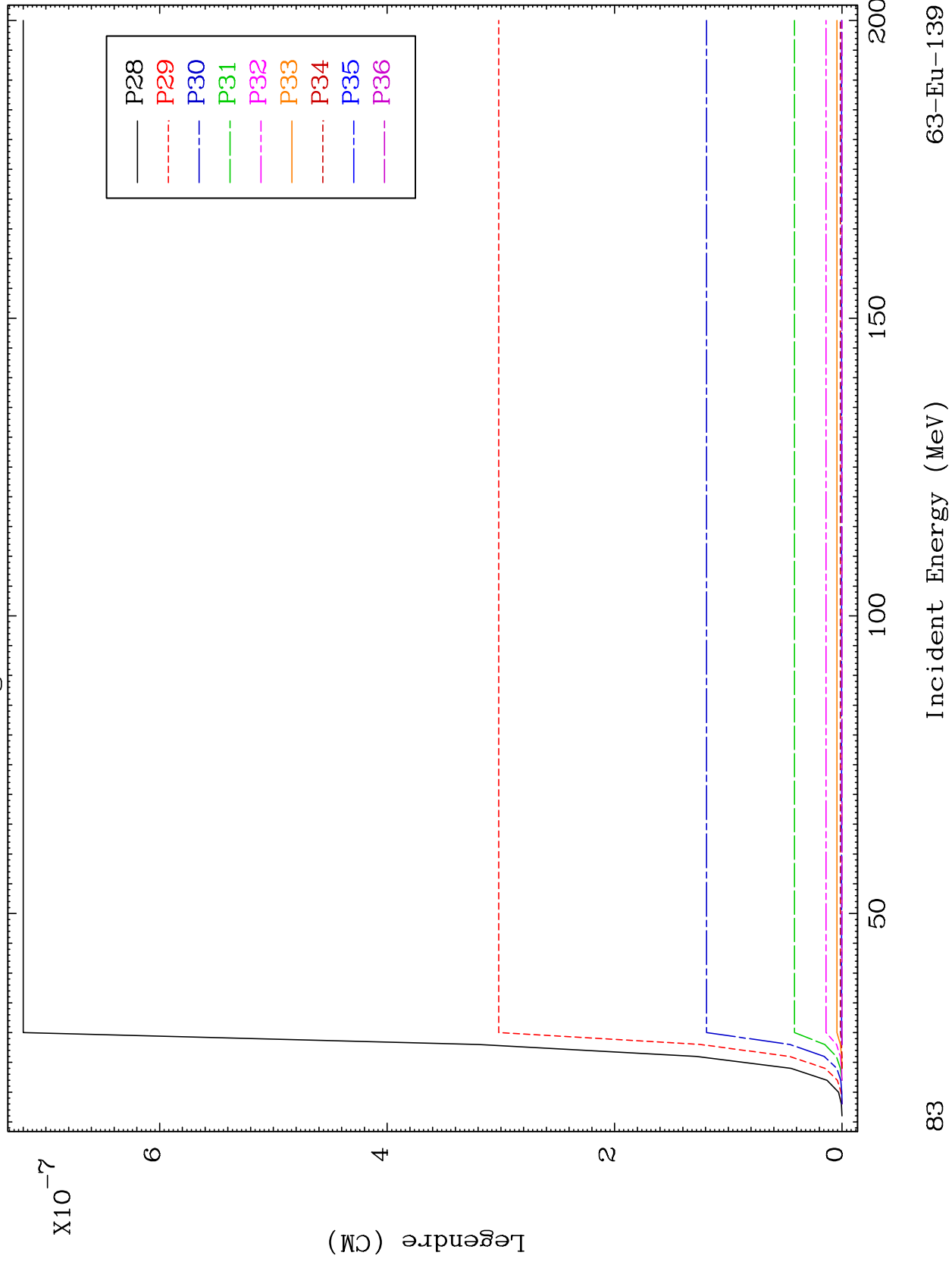
63-Eu-139



MAT 6289

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

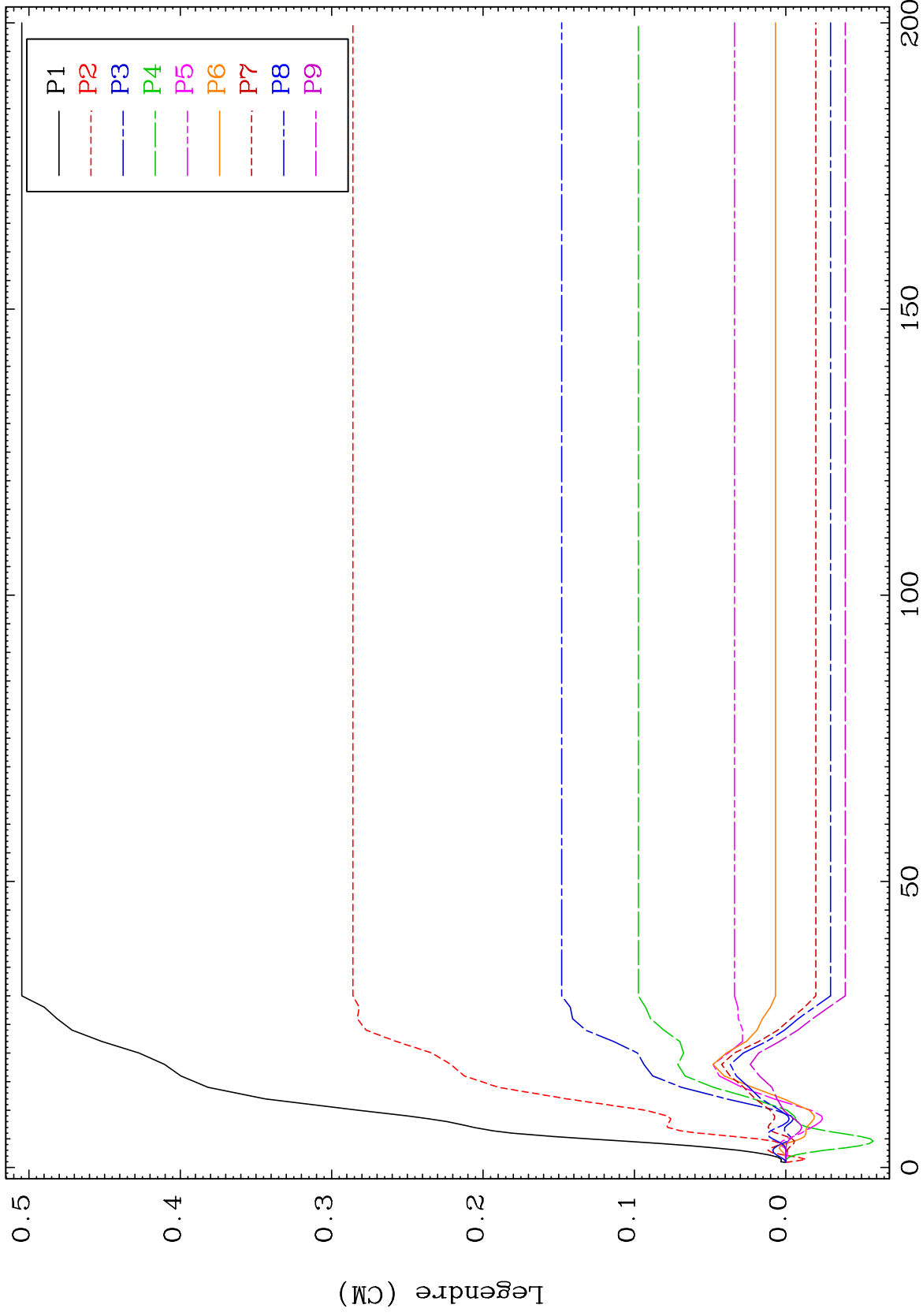
63-Eu-139



MAT 6289

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

63-Eu-139



84

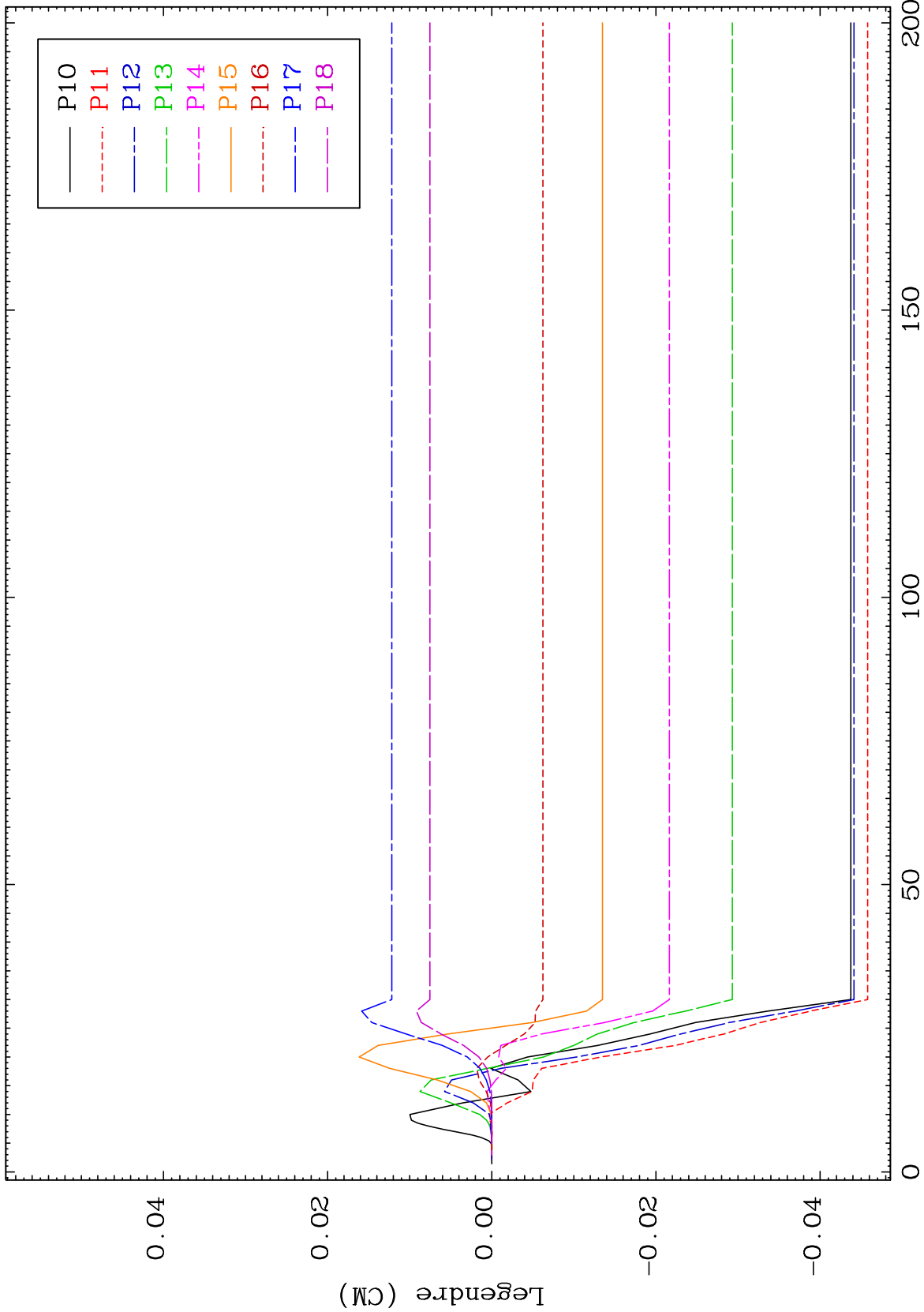
Incident Energy (MeV)

63-Eu-139

MAT 6289

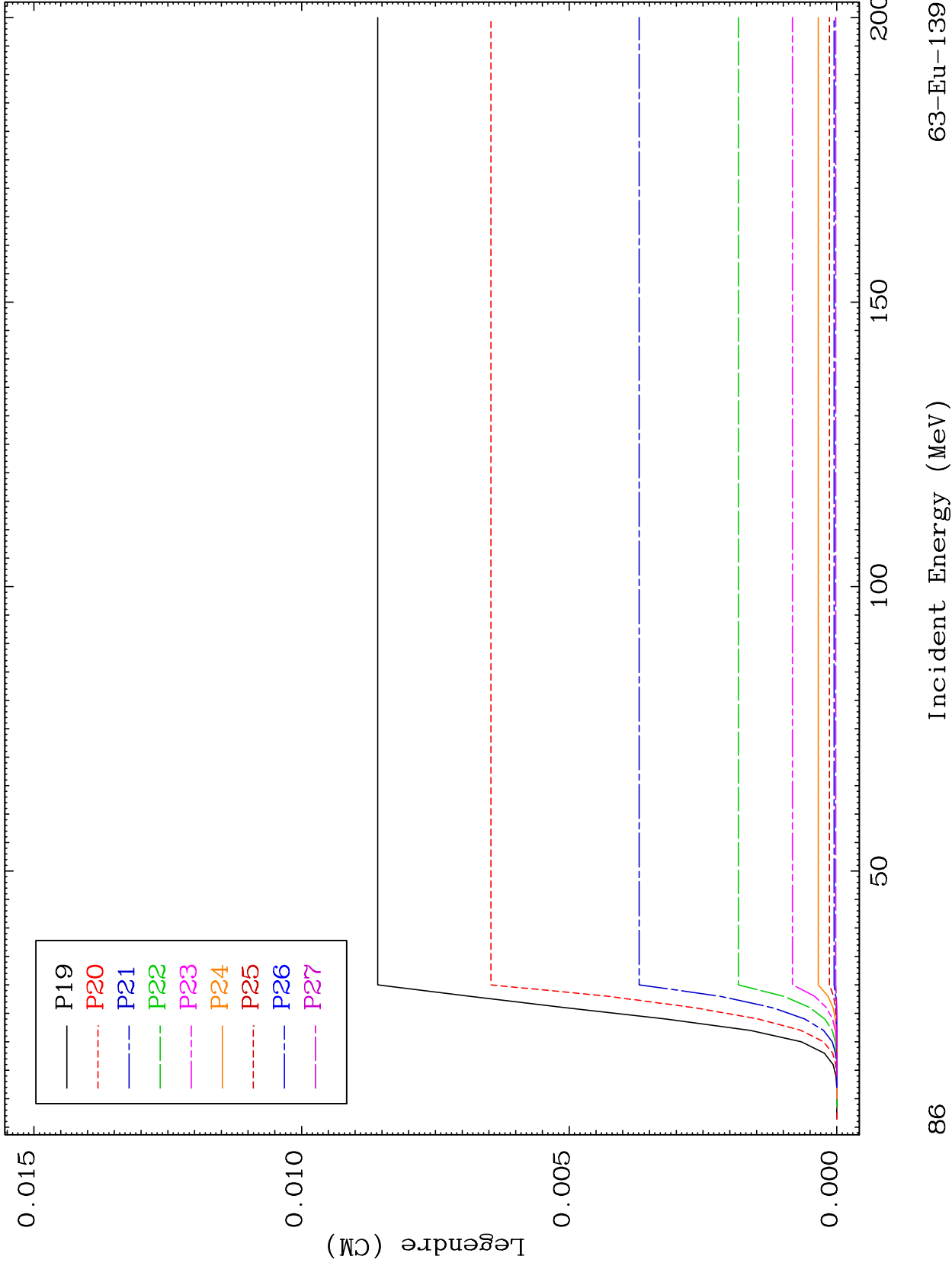
MT= 67 (n,n') Level  
Legendre Coefficients

63-Eu-139



85

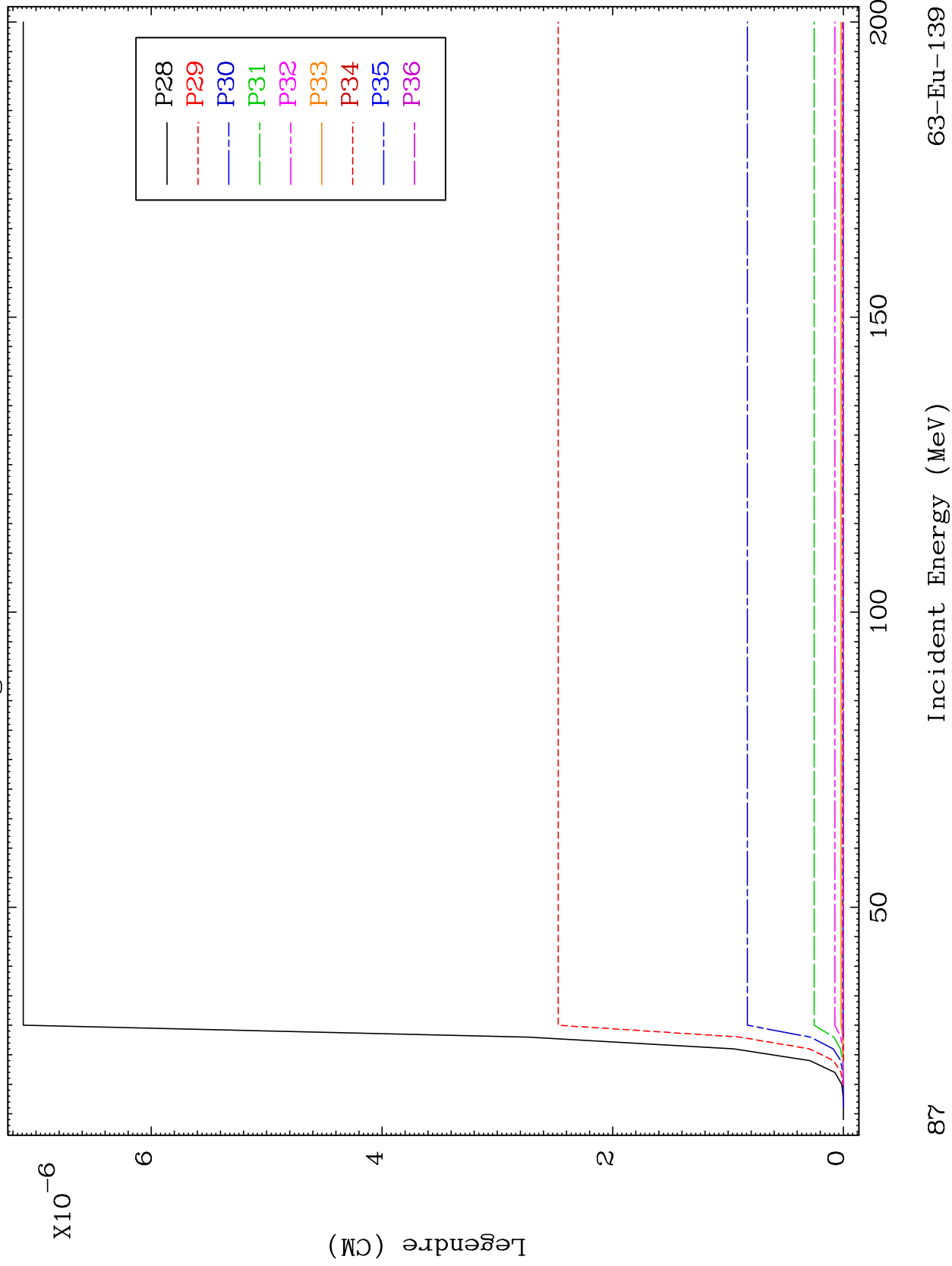
63-Eu-139



MAT 6289

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

63-Eu-139

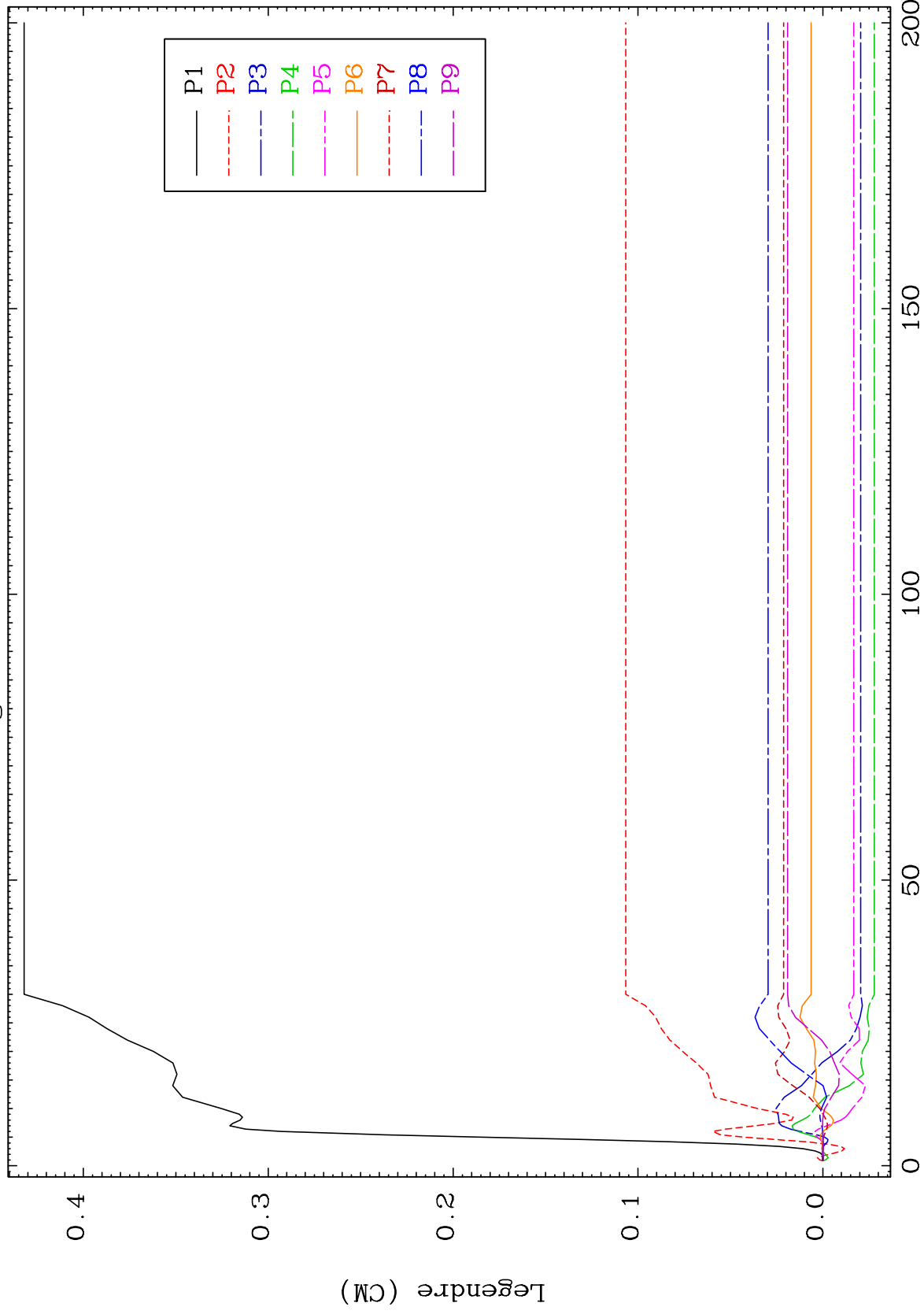




MAT 6289

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

63-Eu-139



88

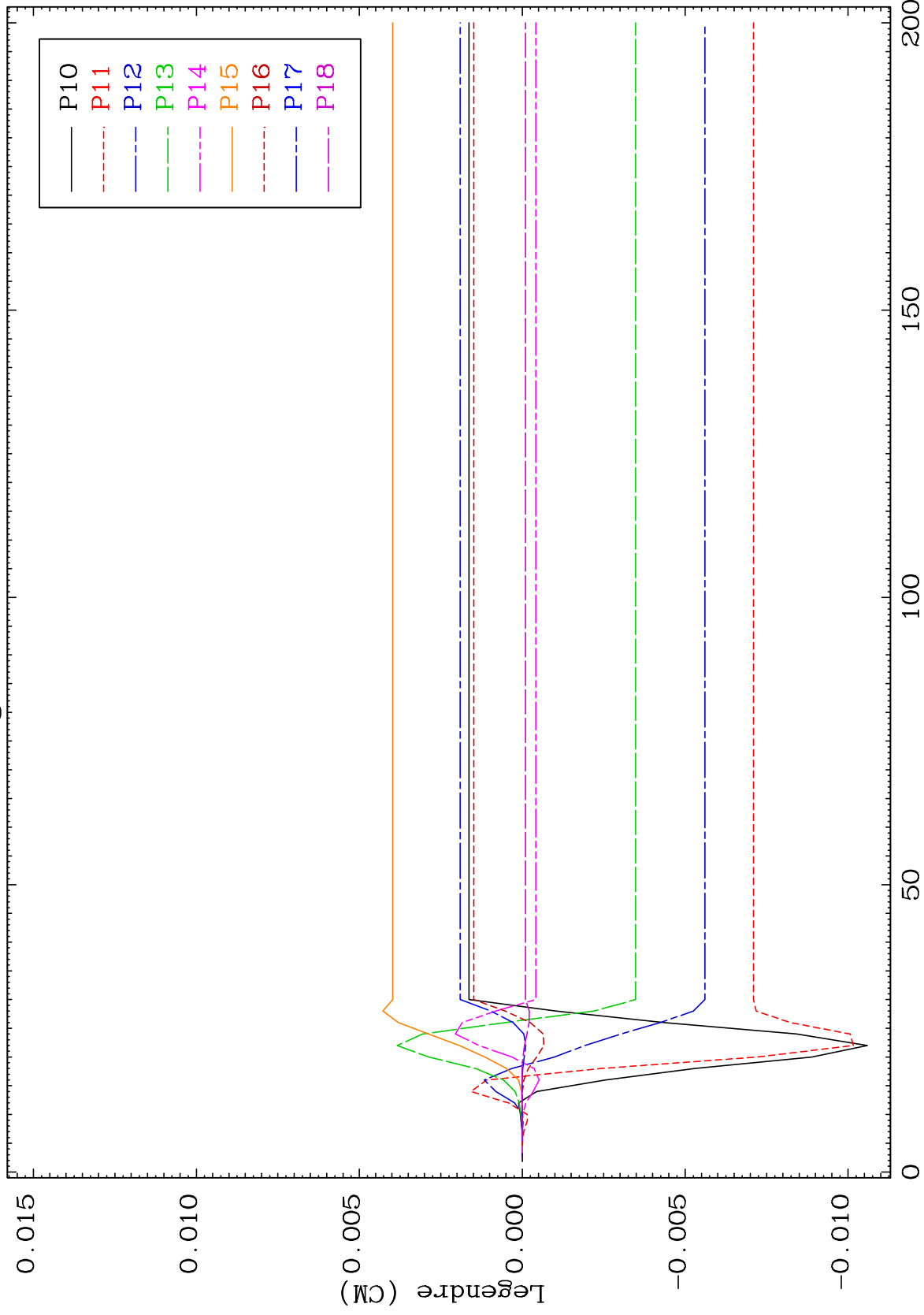
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

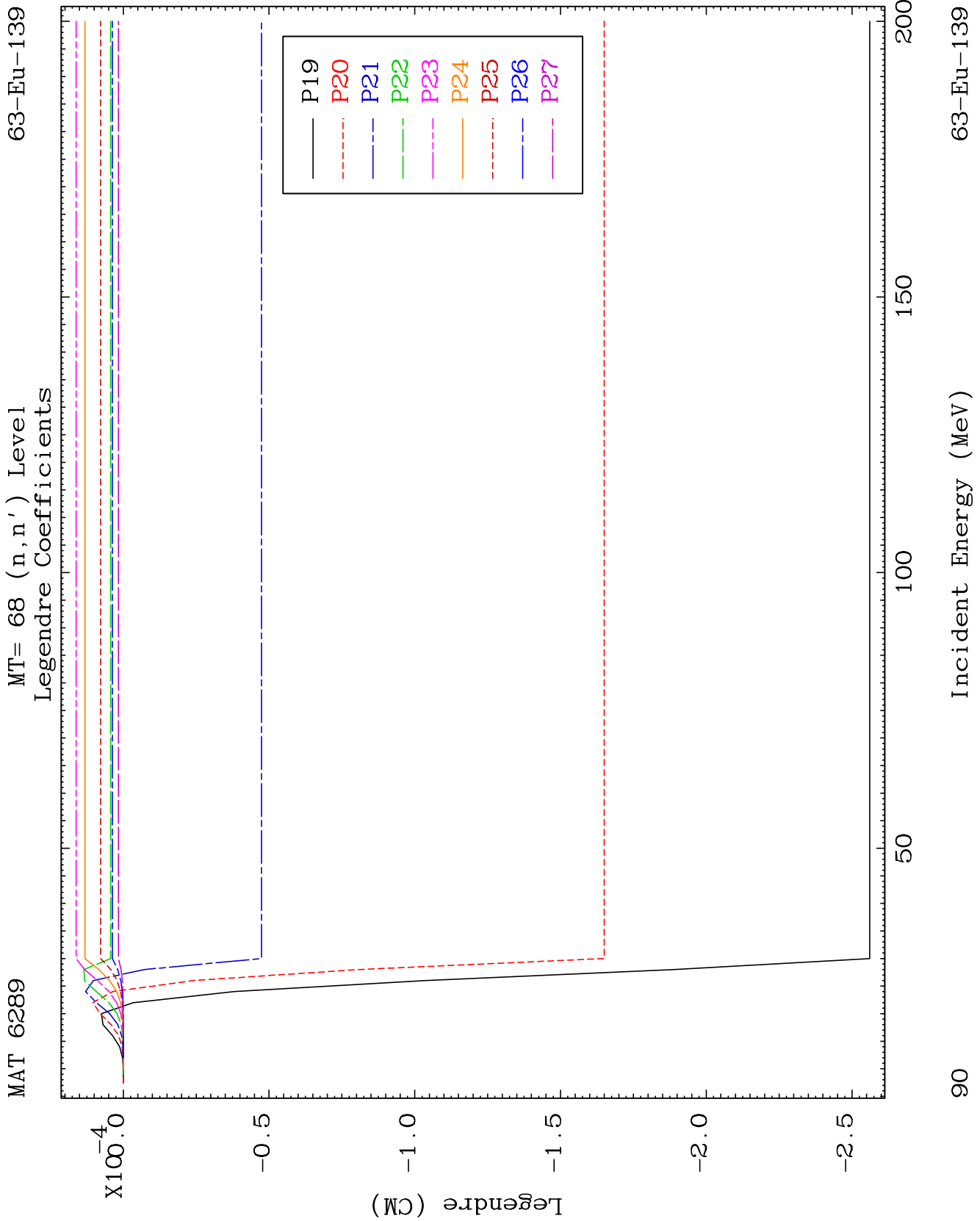
63-Eu-139



89

Incident Energy (MeV)

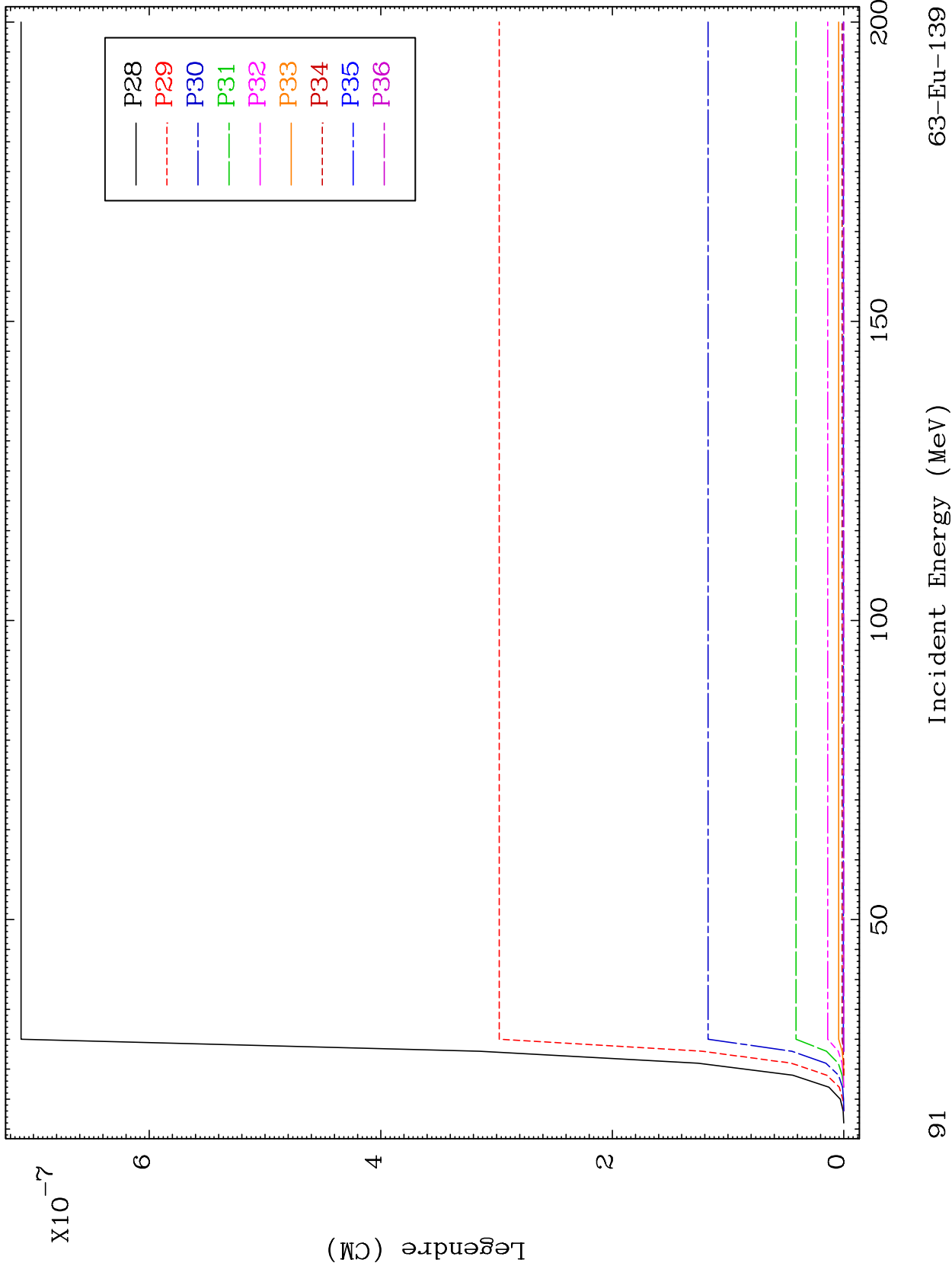
63-Eu-139



MAT 6289

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

63-Eu-139



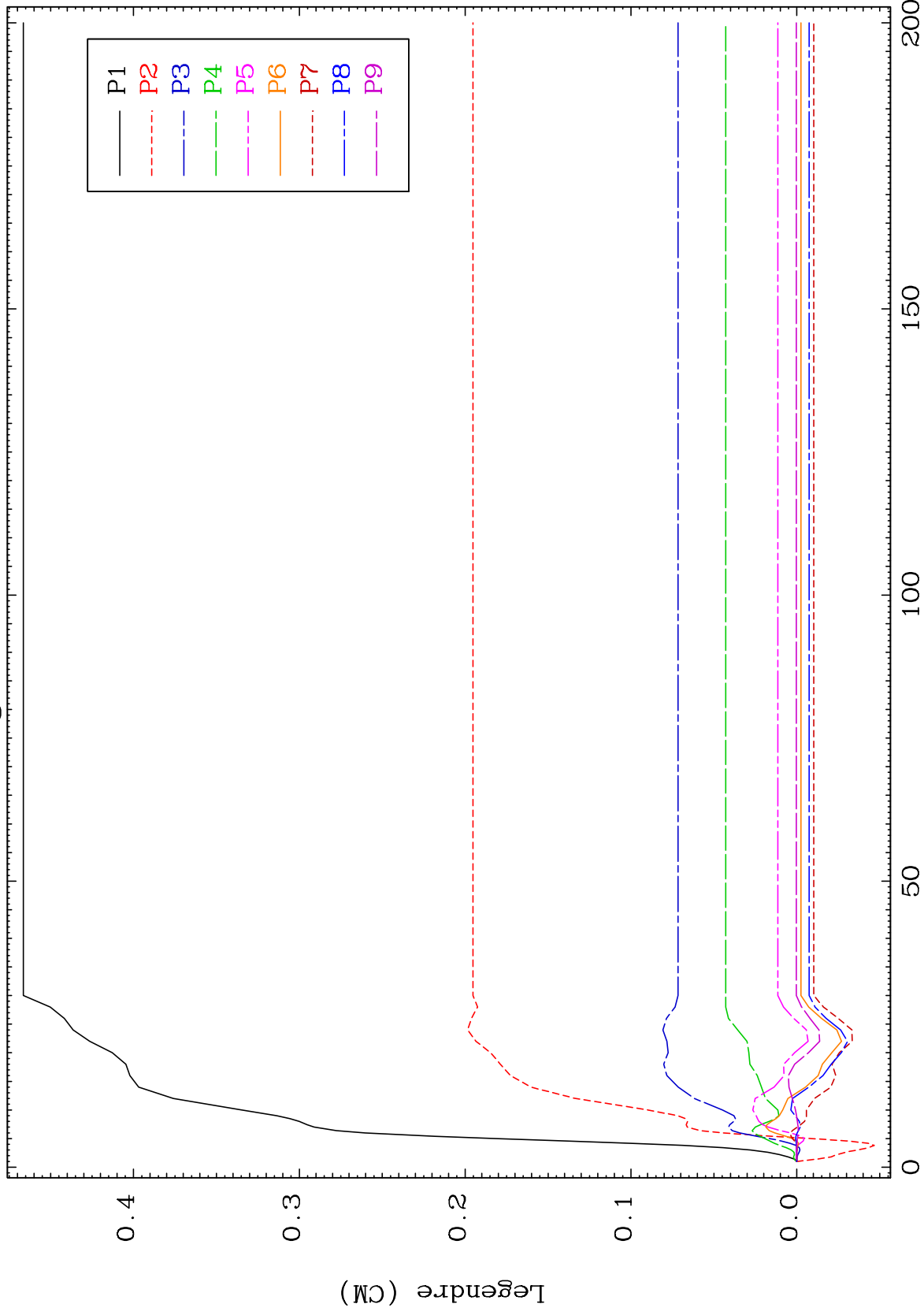
91

63-Eu-139

MAT 6289

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

63-Eu-139



92

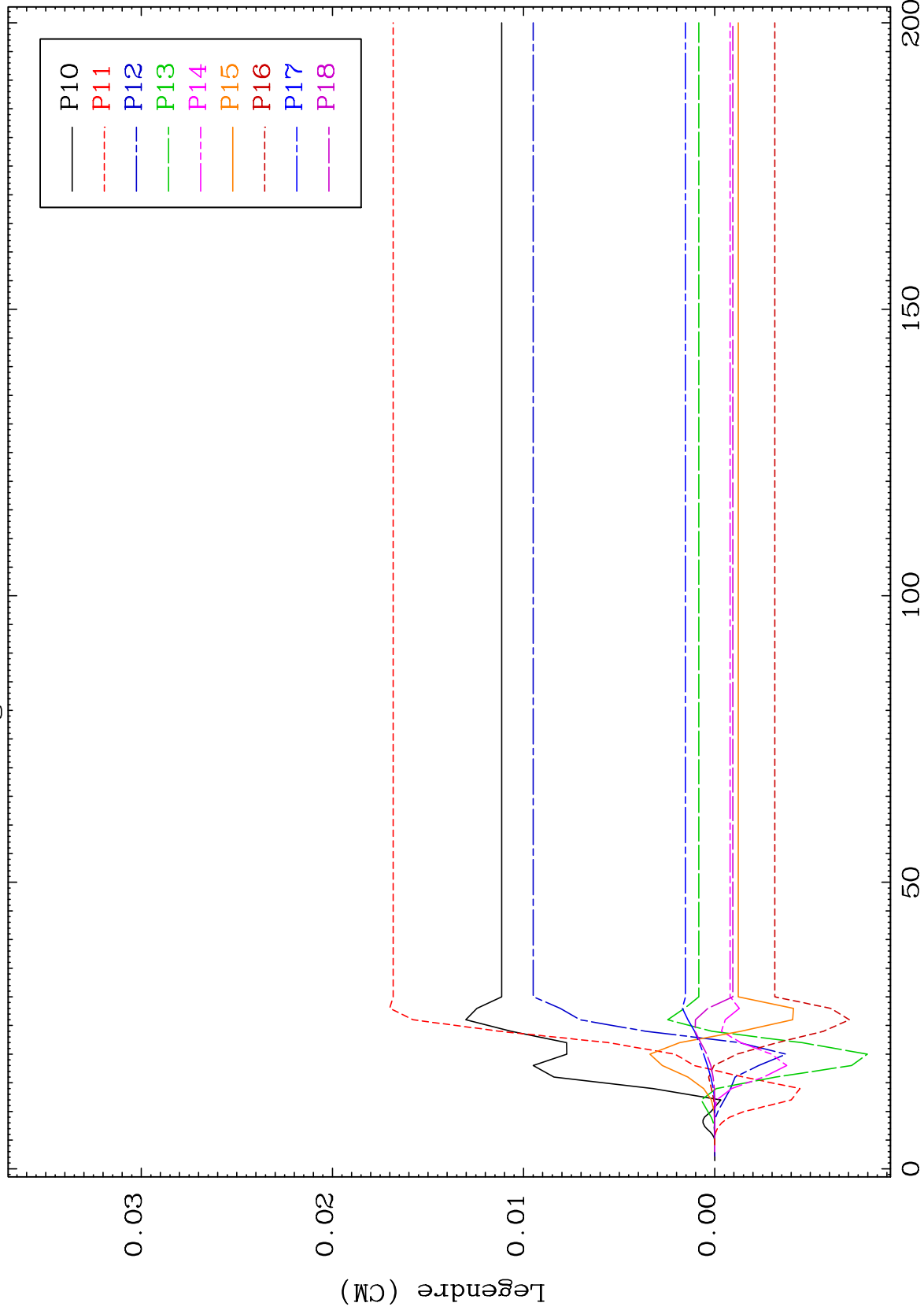
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

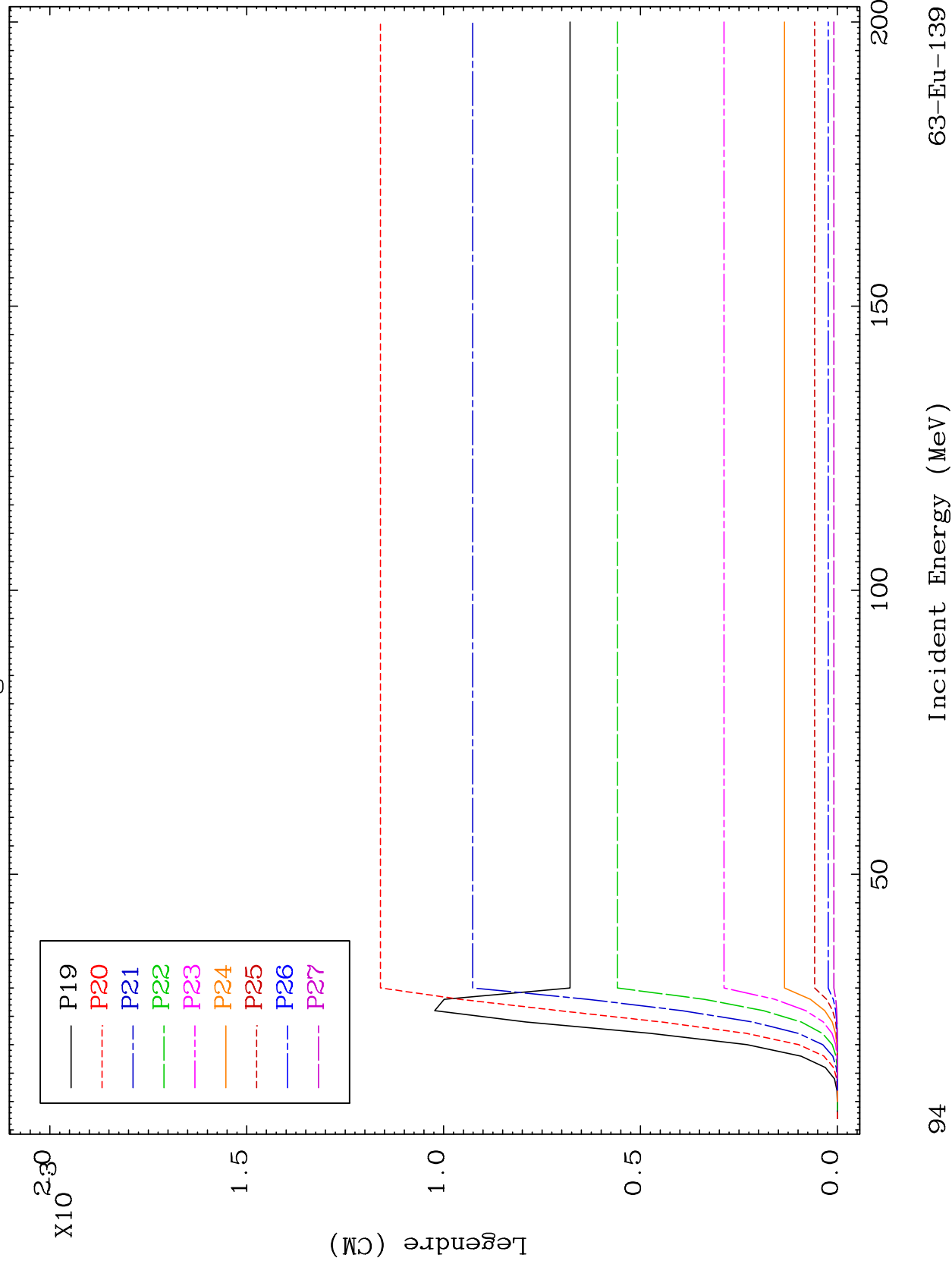
63-Eu-139



93

Incident Energy (MeV)

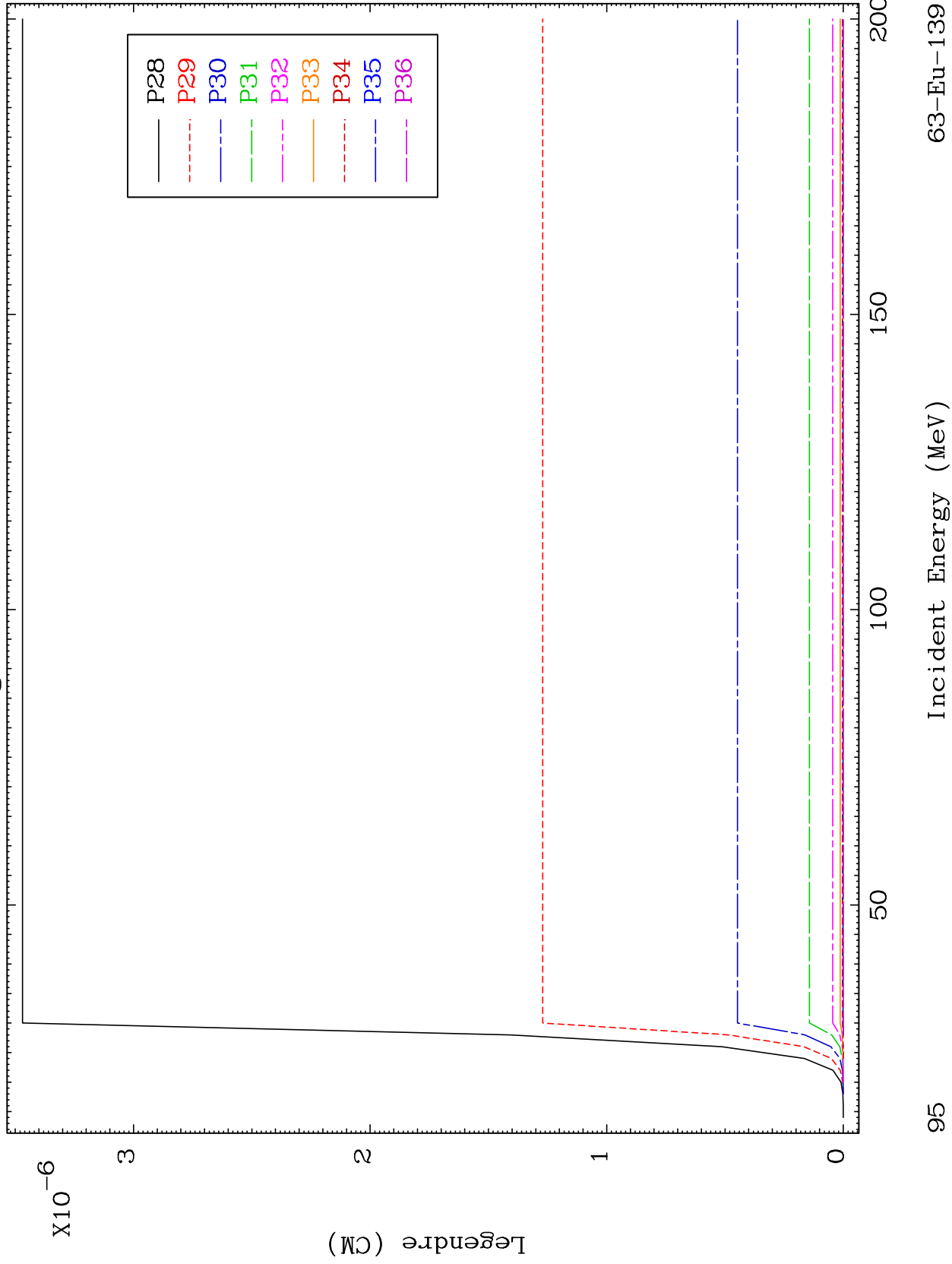
63-Eu-139



MAT 6289

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

63-Eu-139

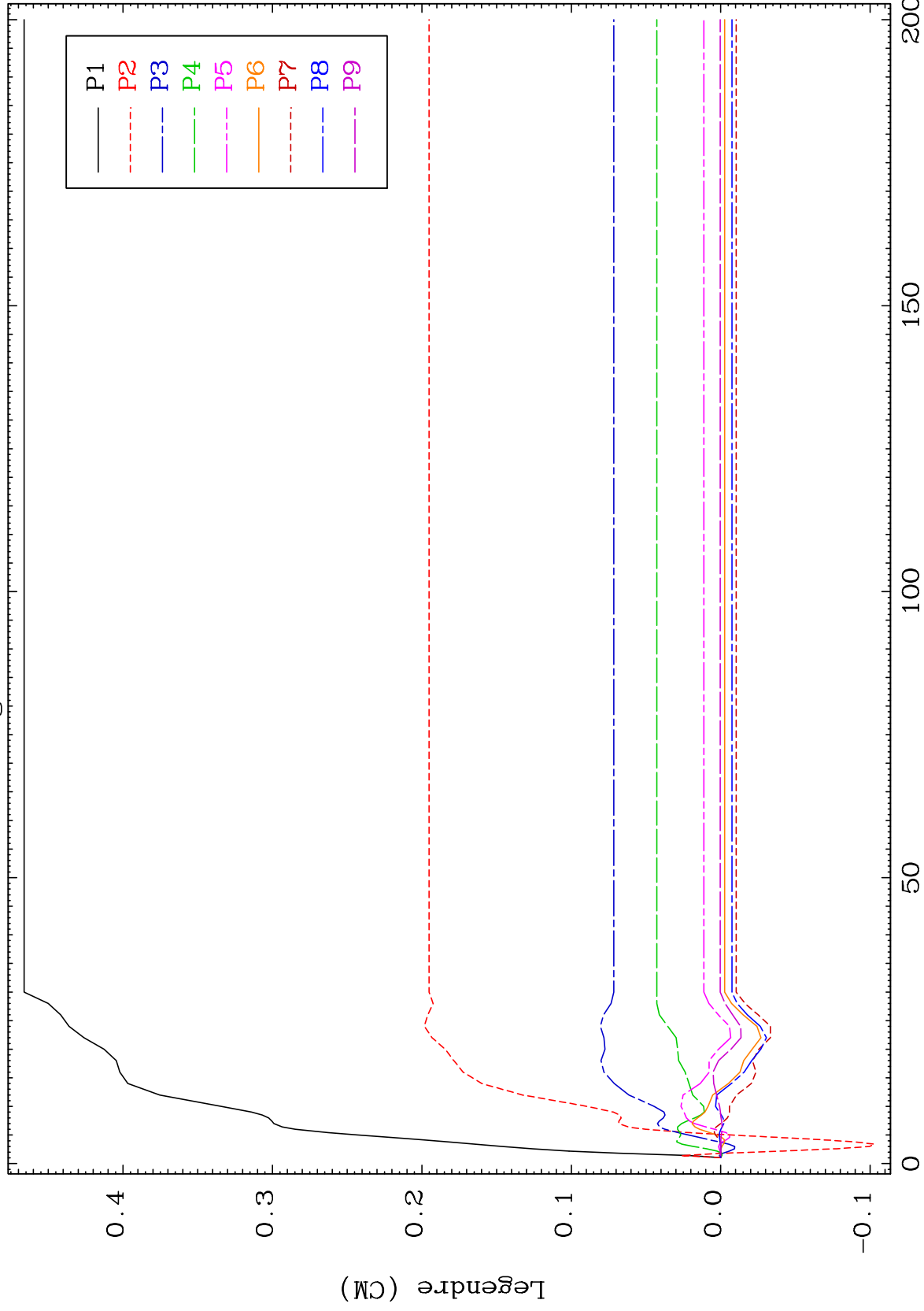




MAT 6289

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

63-Eu-139



96

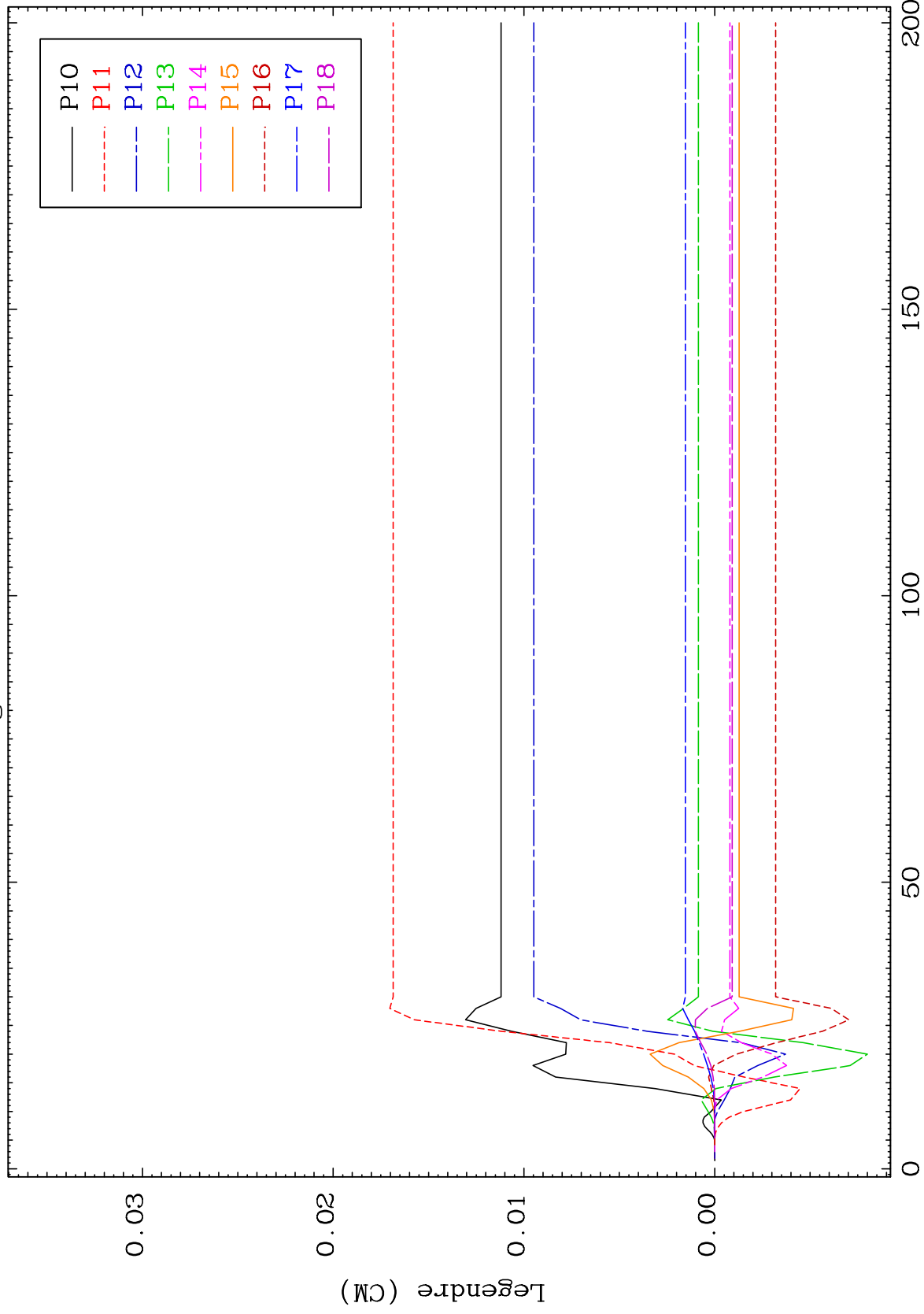
Incident Energy (MeV)

63-Eu-139

MAT 6289

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

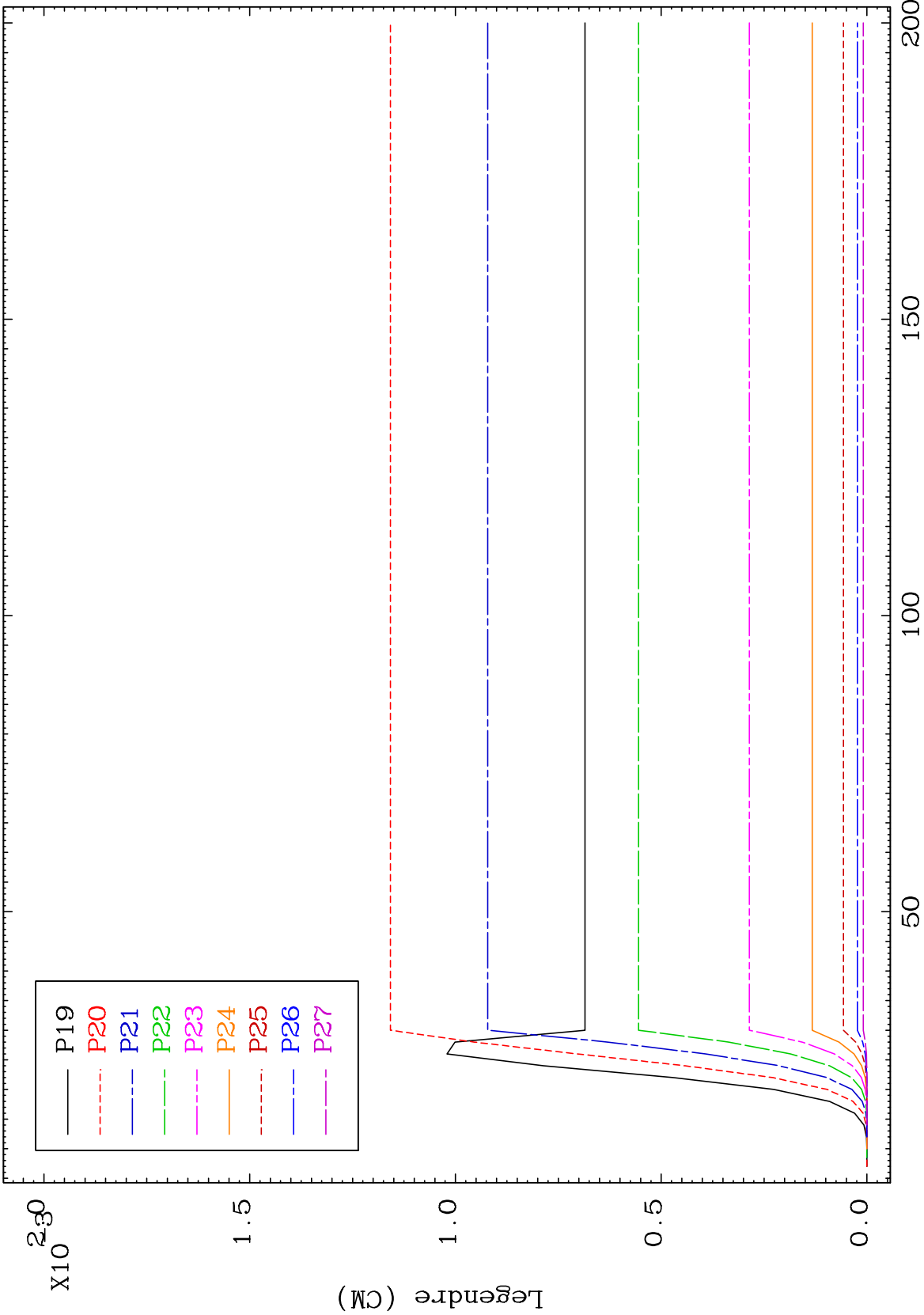
63-Eu-139



97

Incident Energy (MeV)

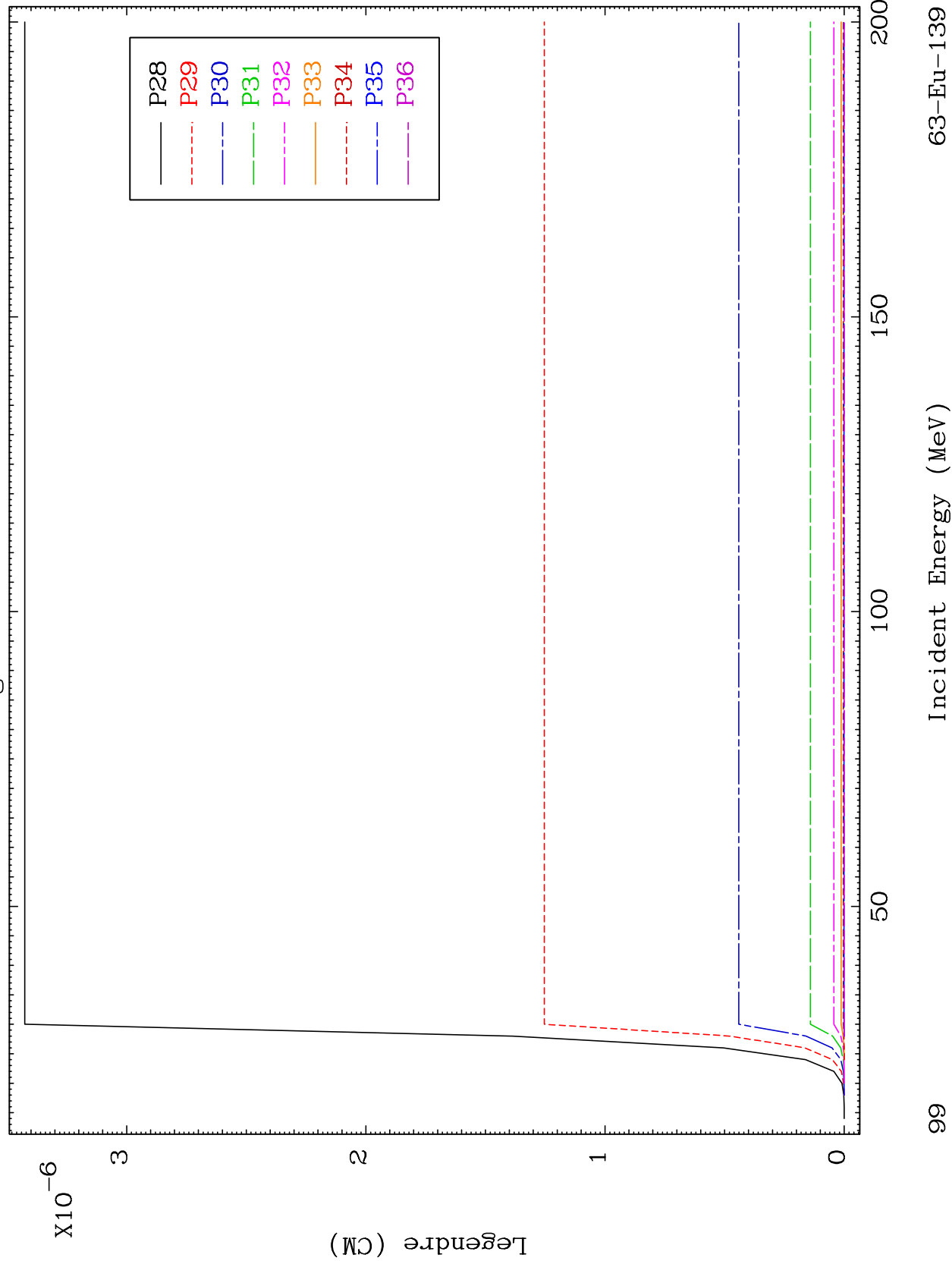
63-Eu-139



MAT 6289

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

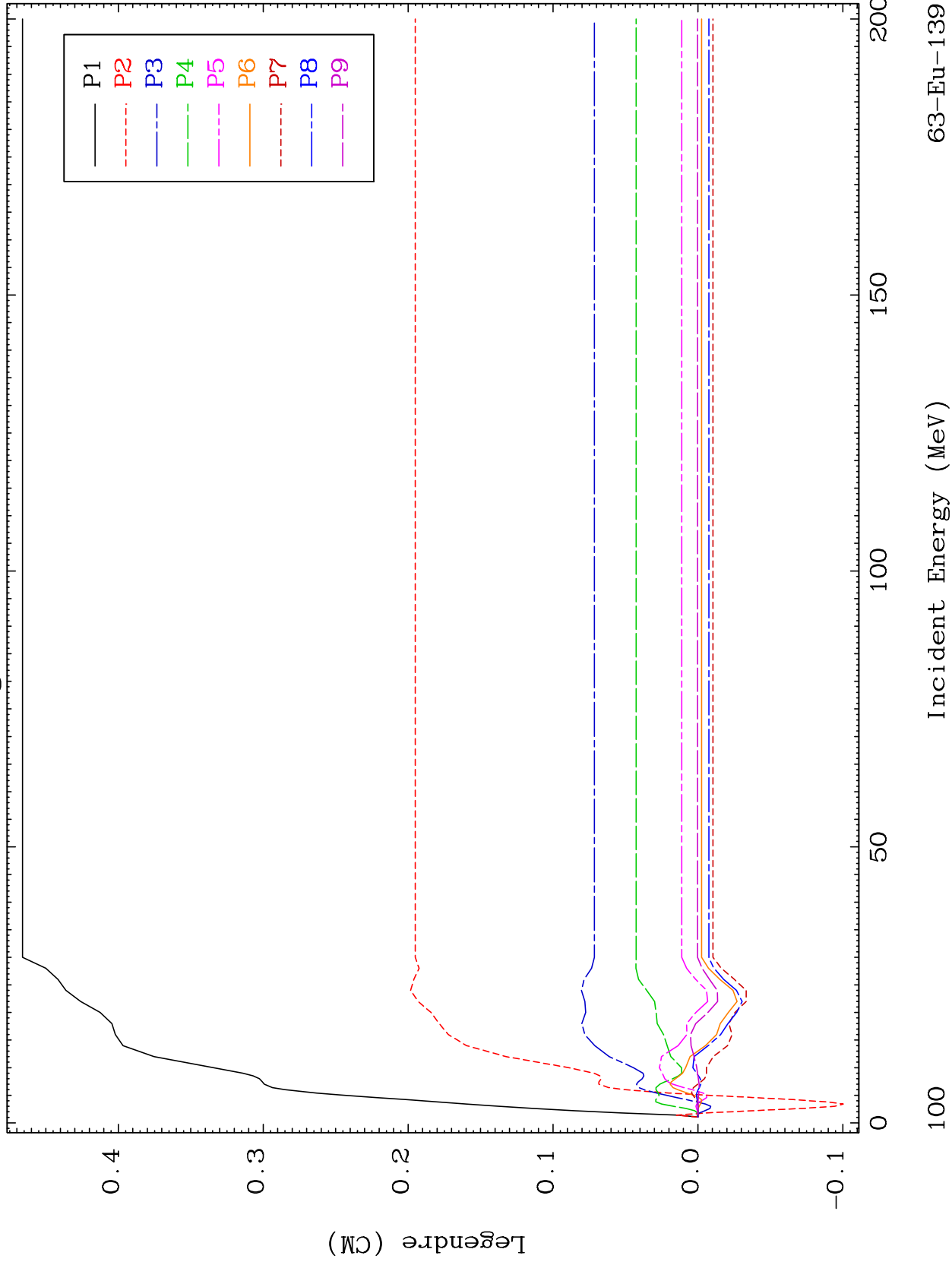
63-Eu-139



MAT 6289

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

63-Eu-139

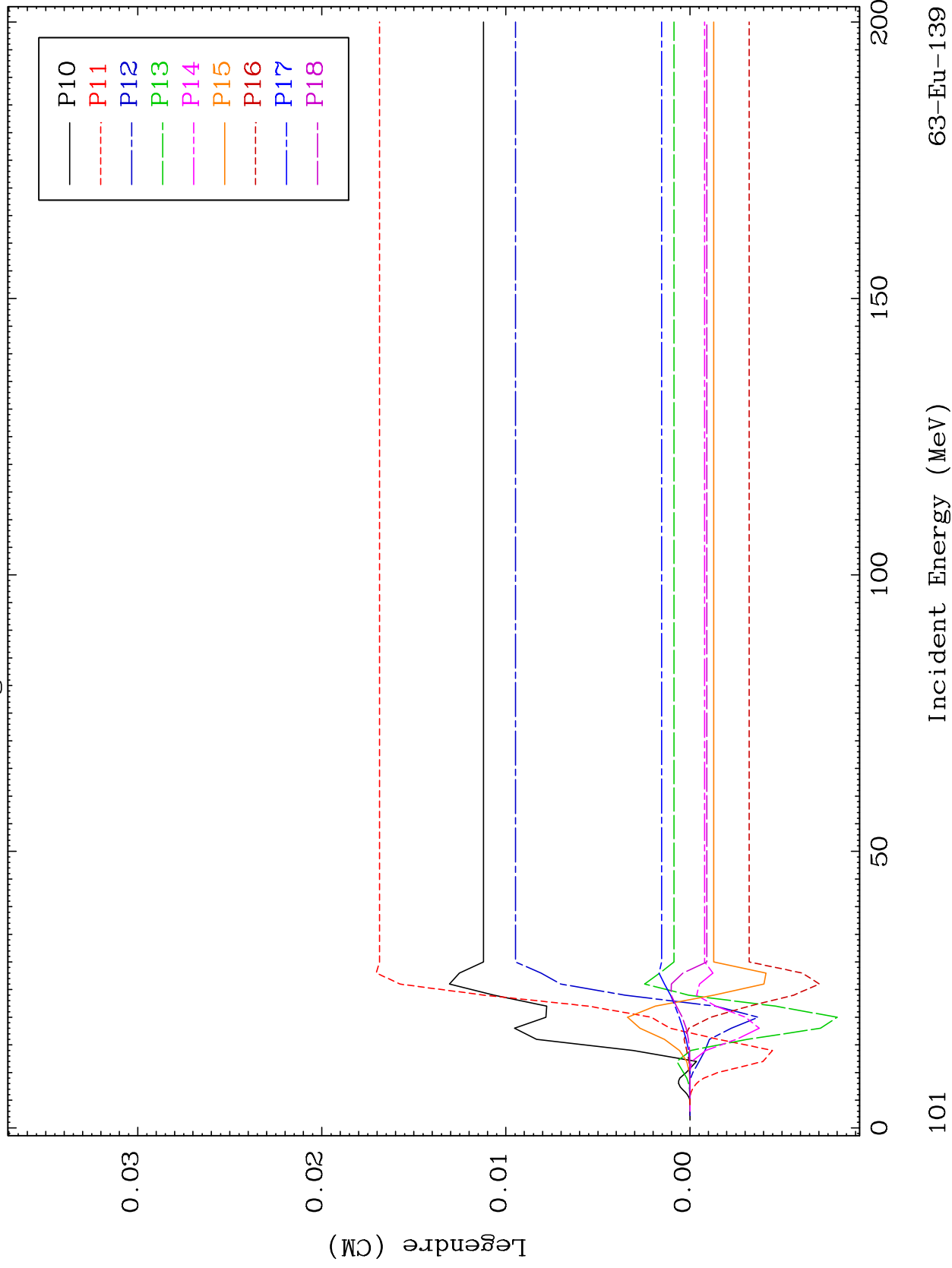


63-Eu-139

MAT 6289

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

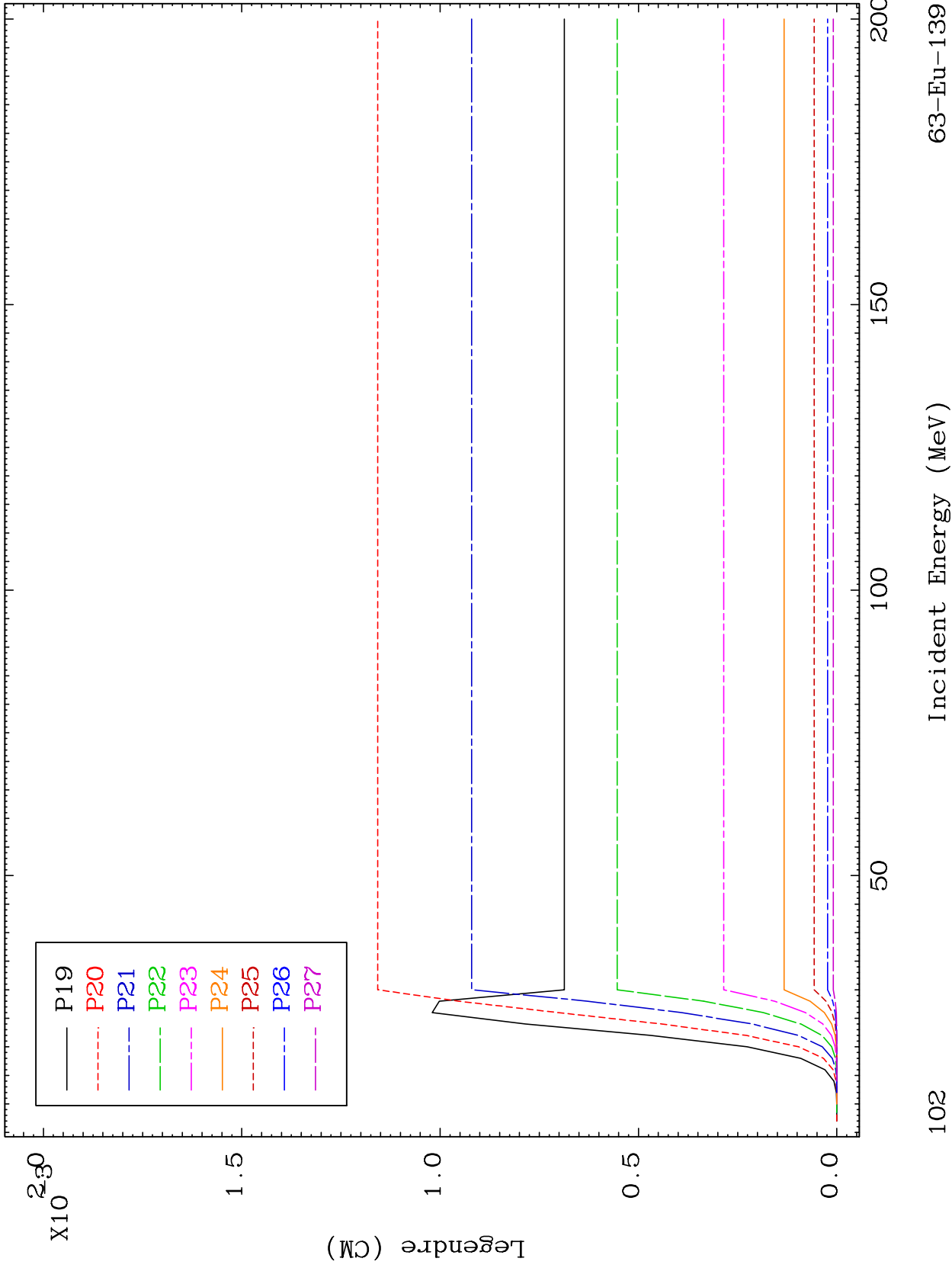
63-Eu-139



63-Eu-139

Incident Energy (MeV)

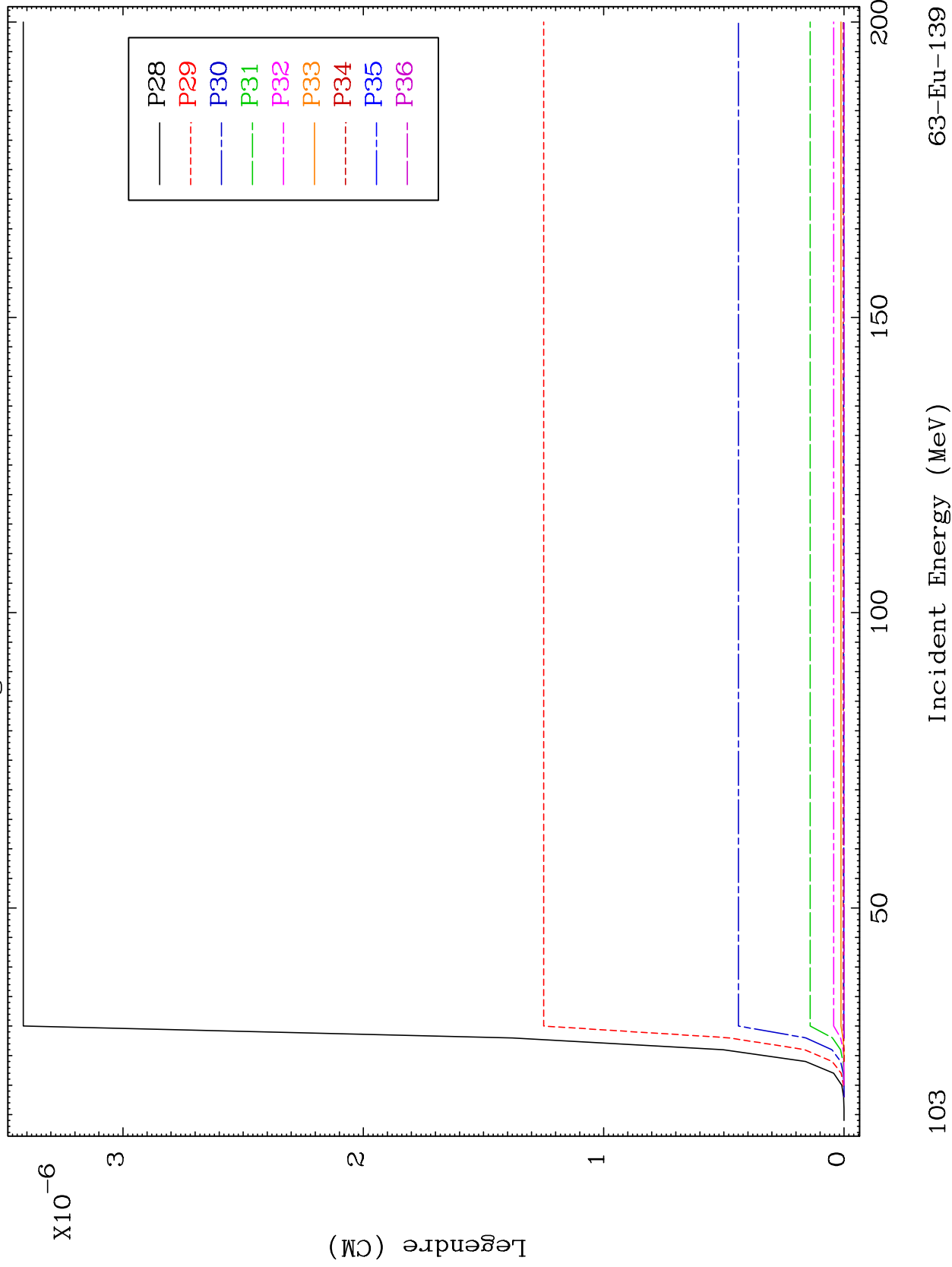
101



MAT 6289

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

63-Eu-139



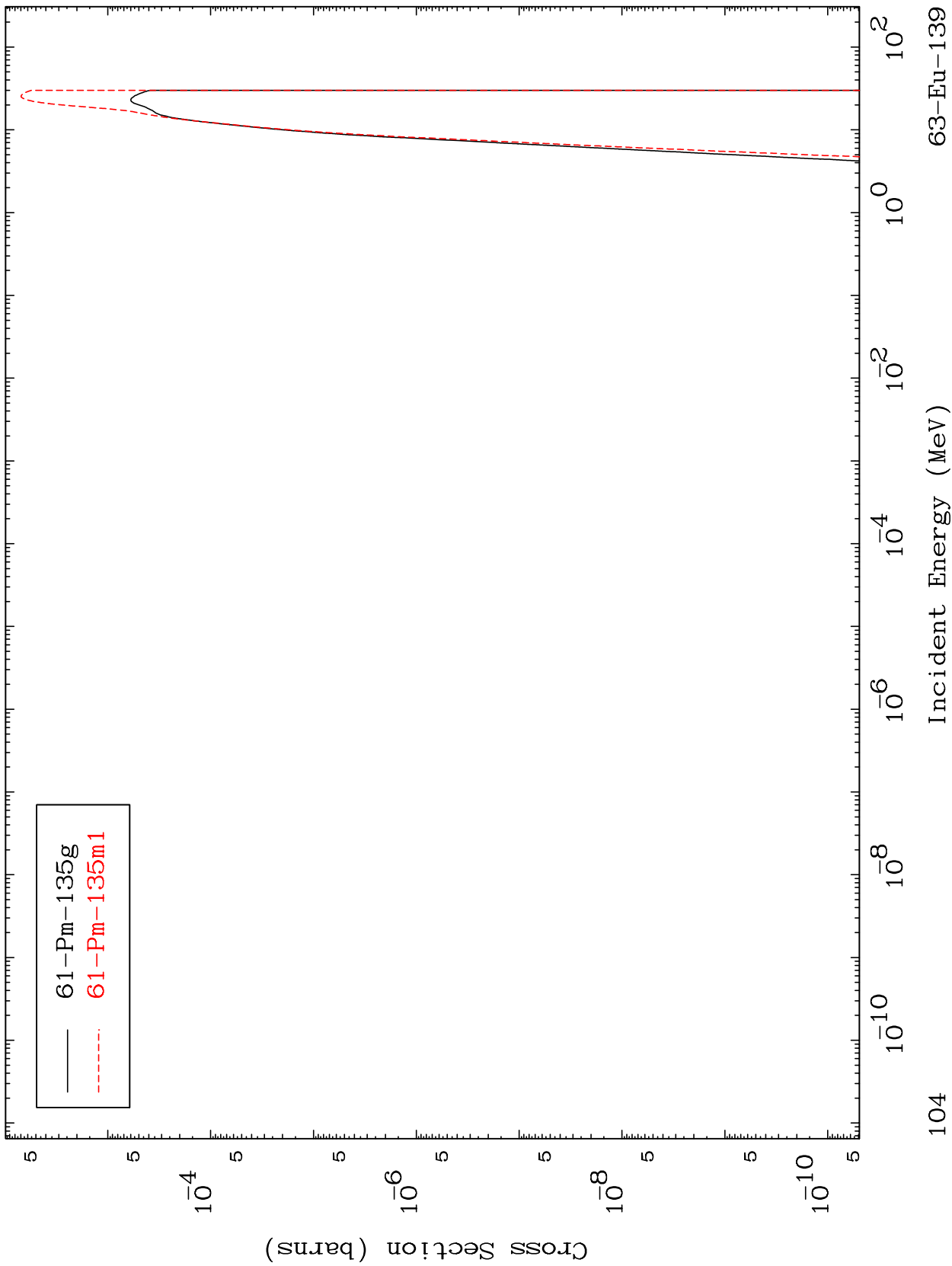


MAT 6289

$(n, n') \alpha$

63-Eu-139

Radionuclide Production Cross Section



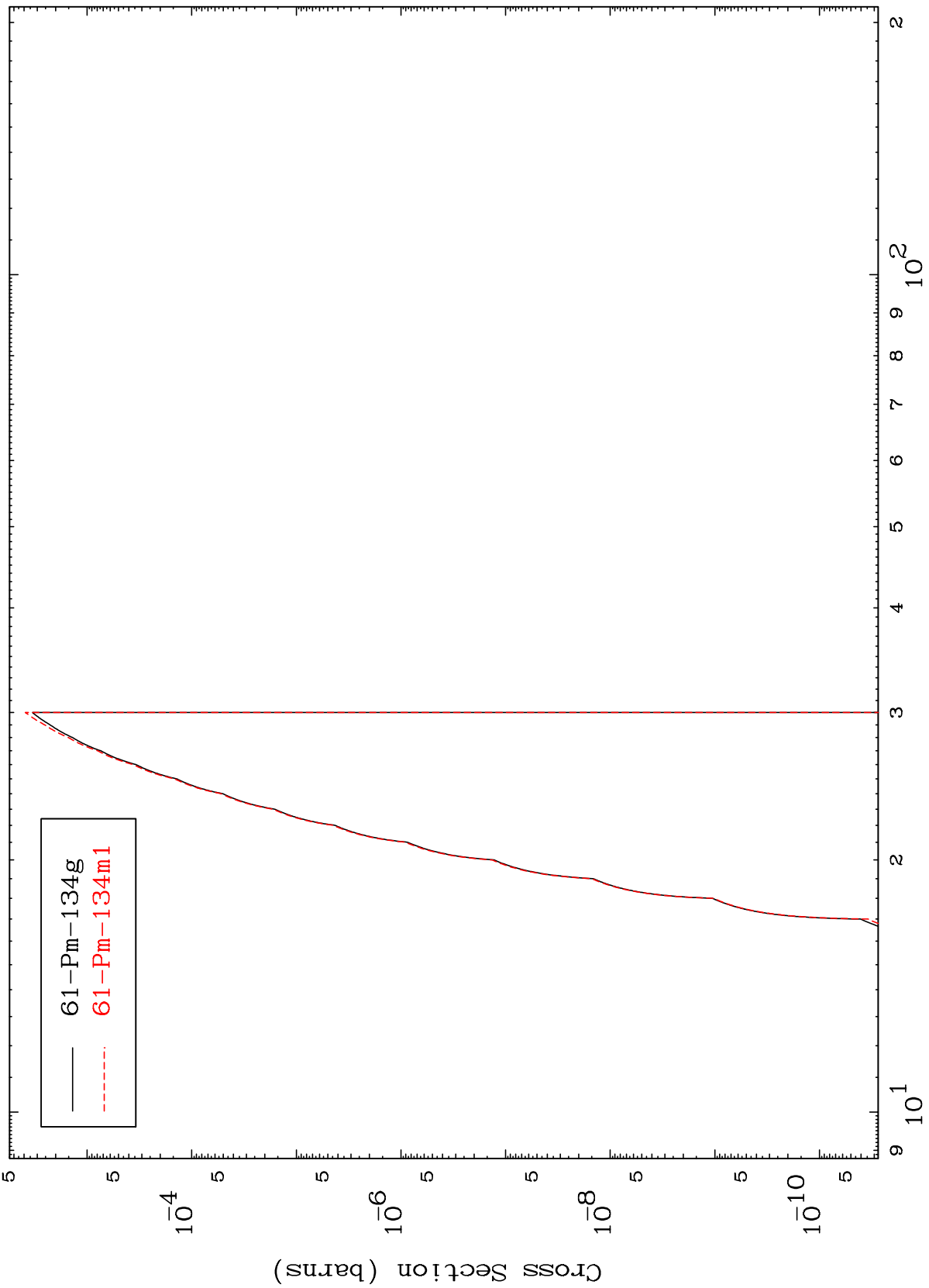
61-Pm-135g  
61-Pm-135m1

MAT 6289

(n,2n)  $\alpha$

63-Eu-139

Radionuclide Production Cross Section



61-Pm-134g  
61-Pm-134m1

105

Incident Energy (MeV)

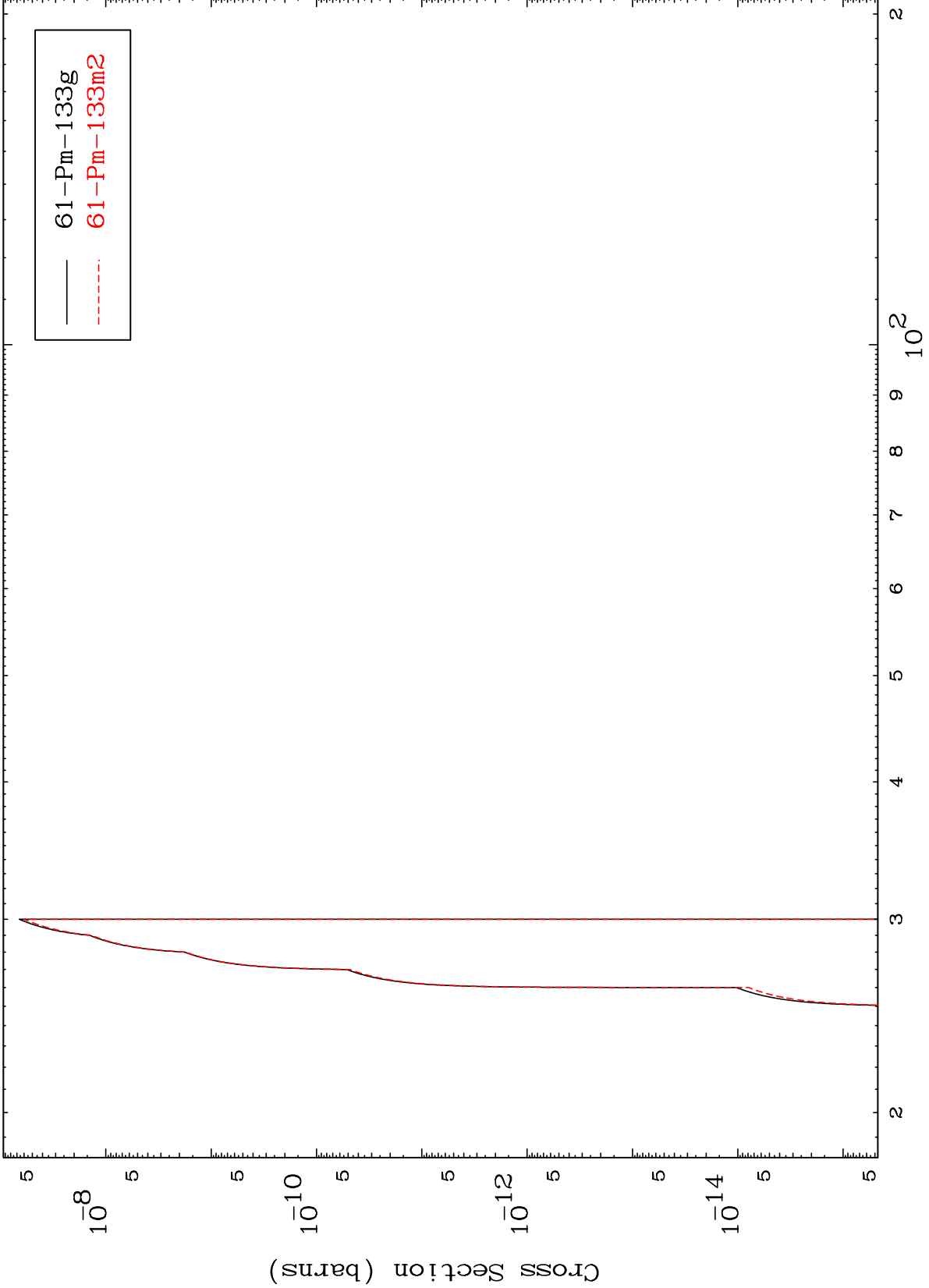
63-Eu-139

MAT 6289

$(n,3n) \alpha$

63-Eu-139

Radionuclide Production Cross Section



106

Incident Energy (MeV)

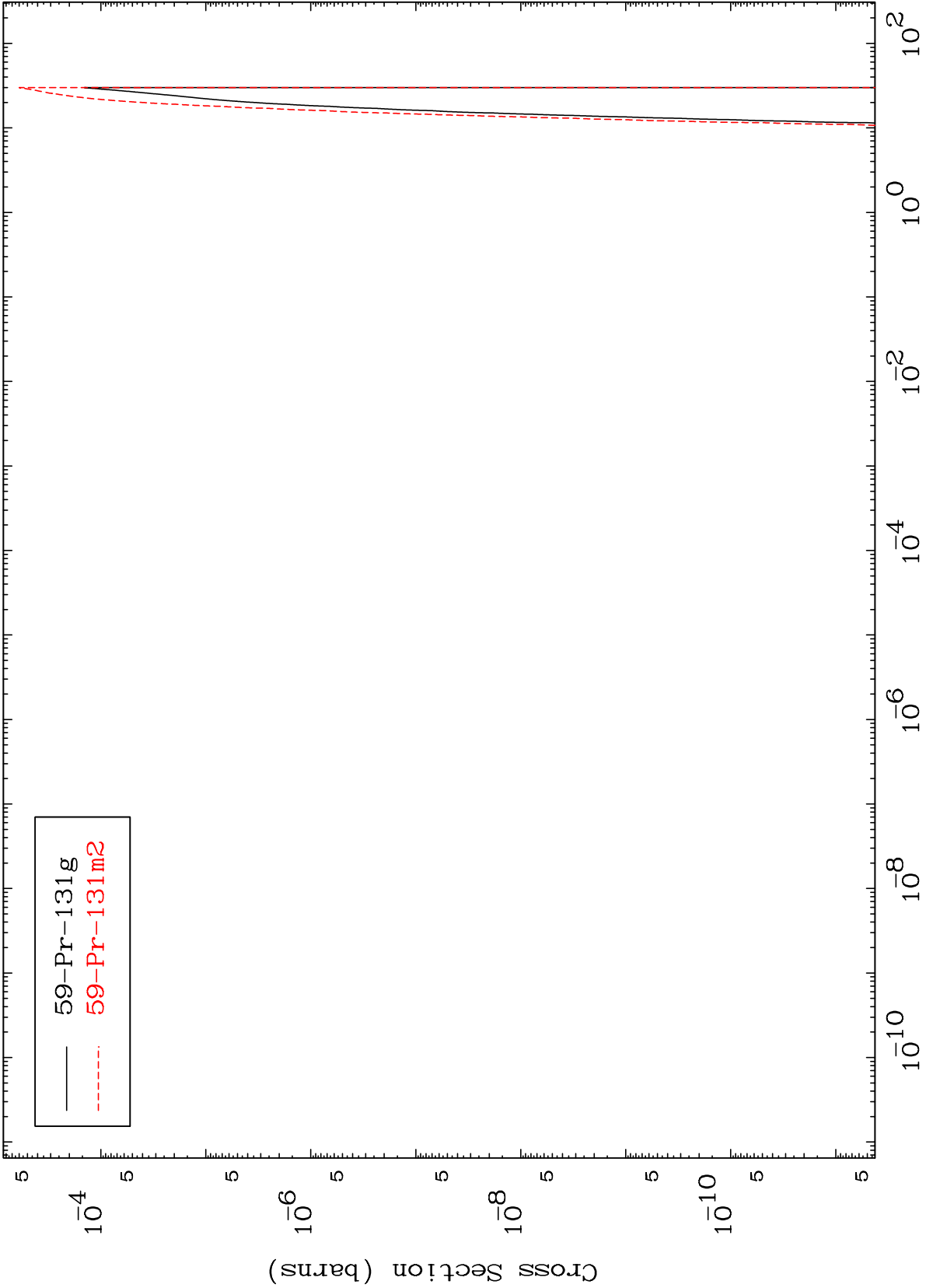
63-Eu-139

MAT 6289

(n,n') 2α

63-Eu-139

Radionuclide Production Cross Section



107

Incident Energy (MeV)

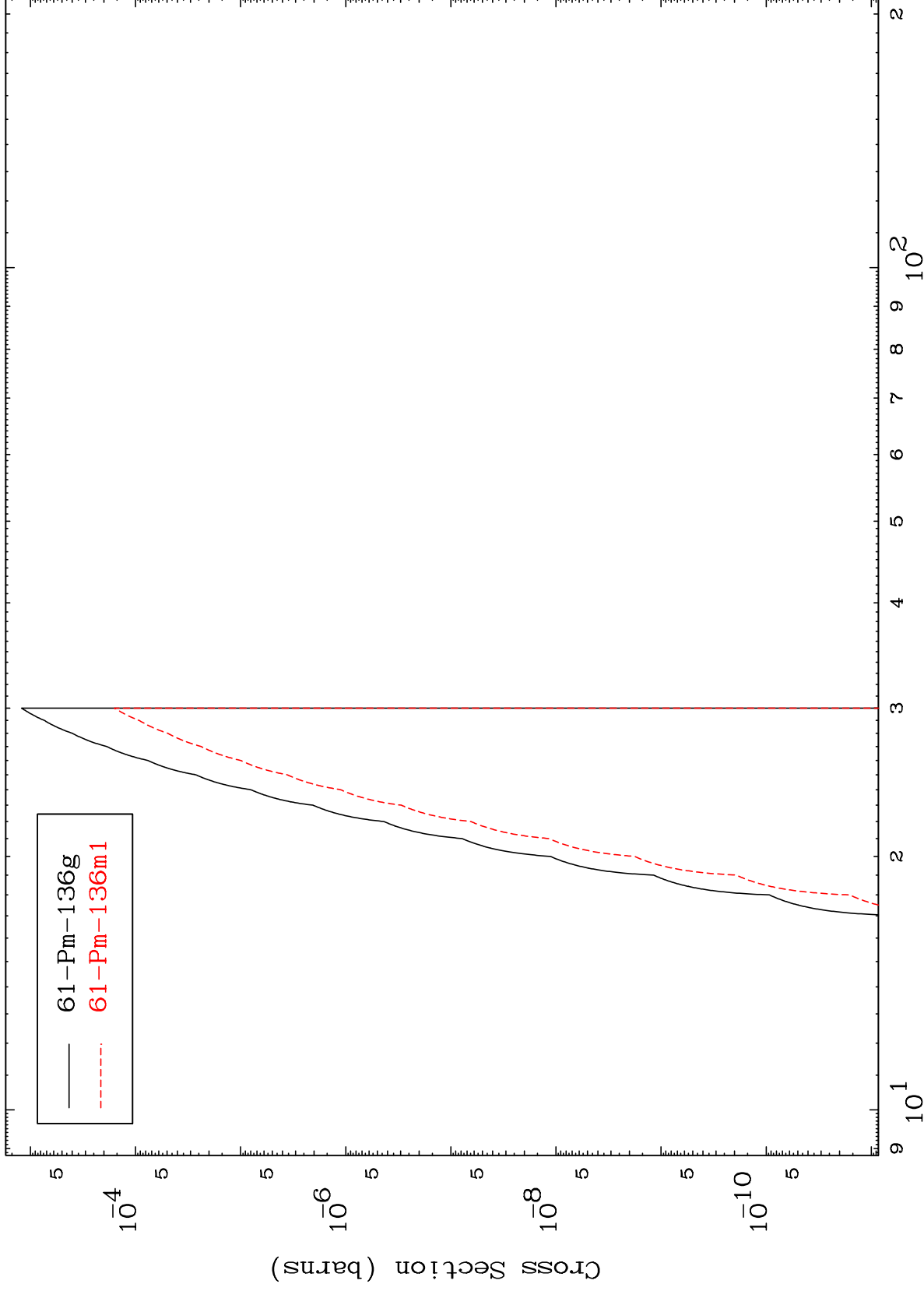
63-Eu-139

MAT 6289

(n,n') He-3

63-Eu-139

Radionuclide Production Cross Section



108

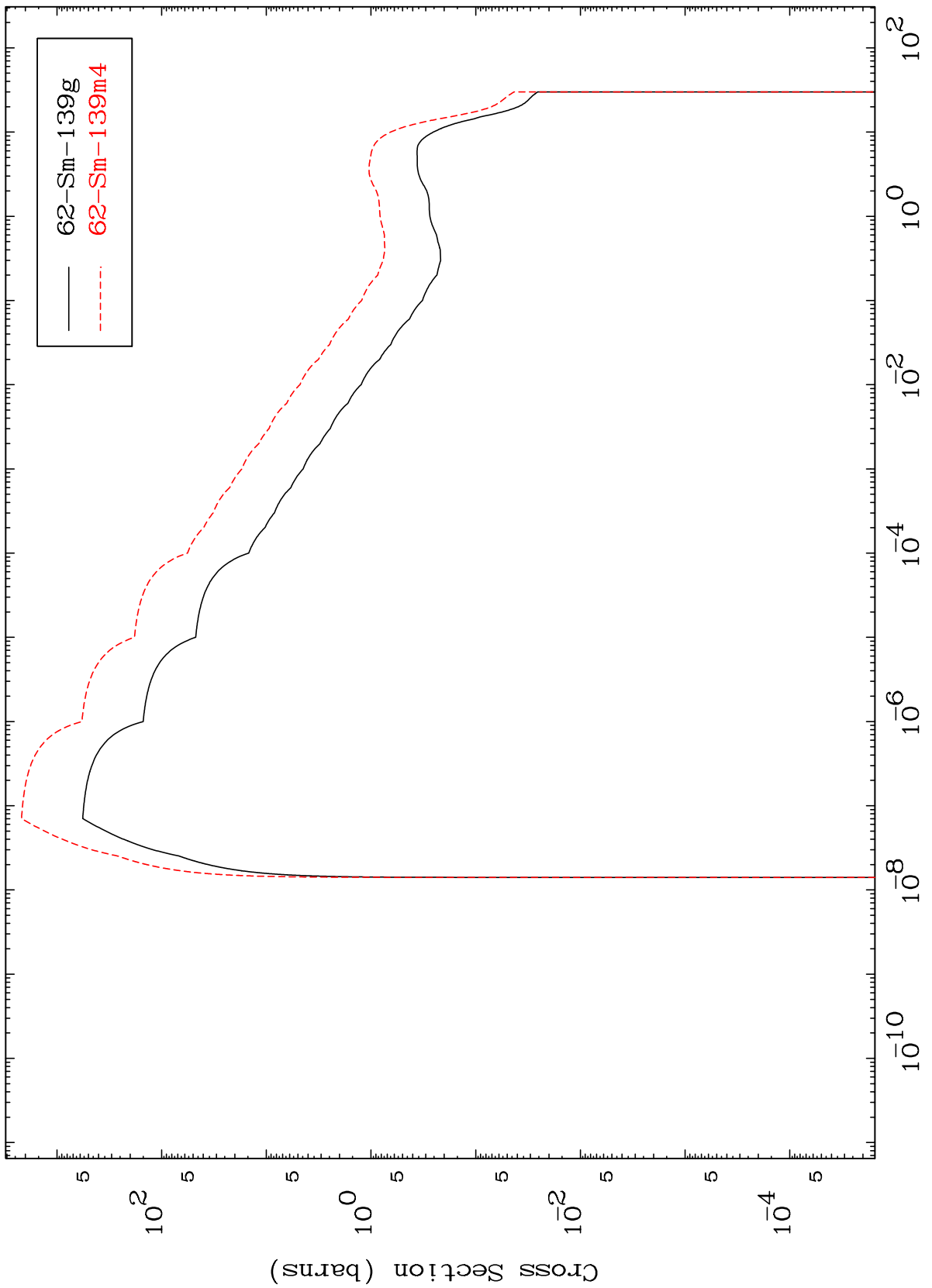
Incident Energy (MeV)

63-Eu-139

MAT 6289

63-Eu-139

(n,p)  
Radionuclide Production Cross Section



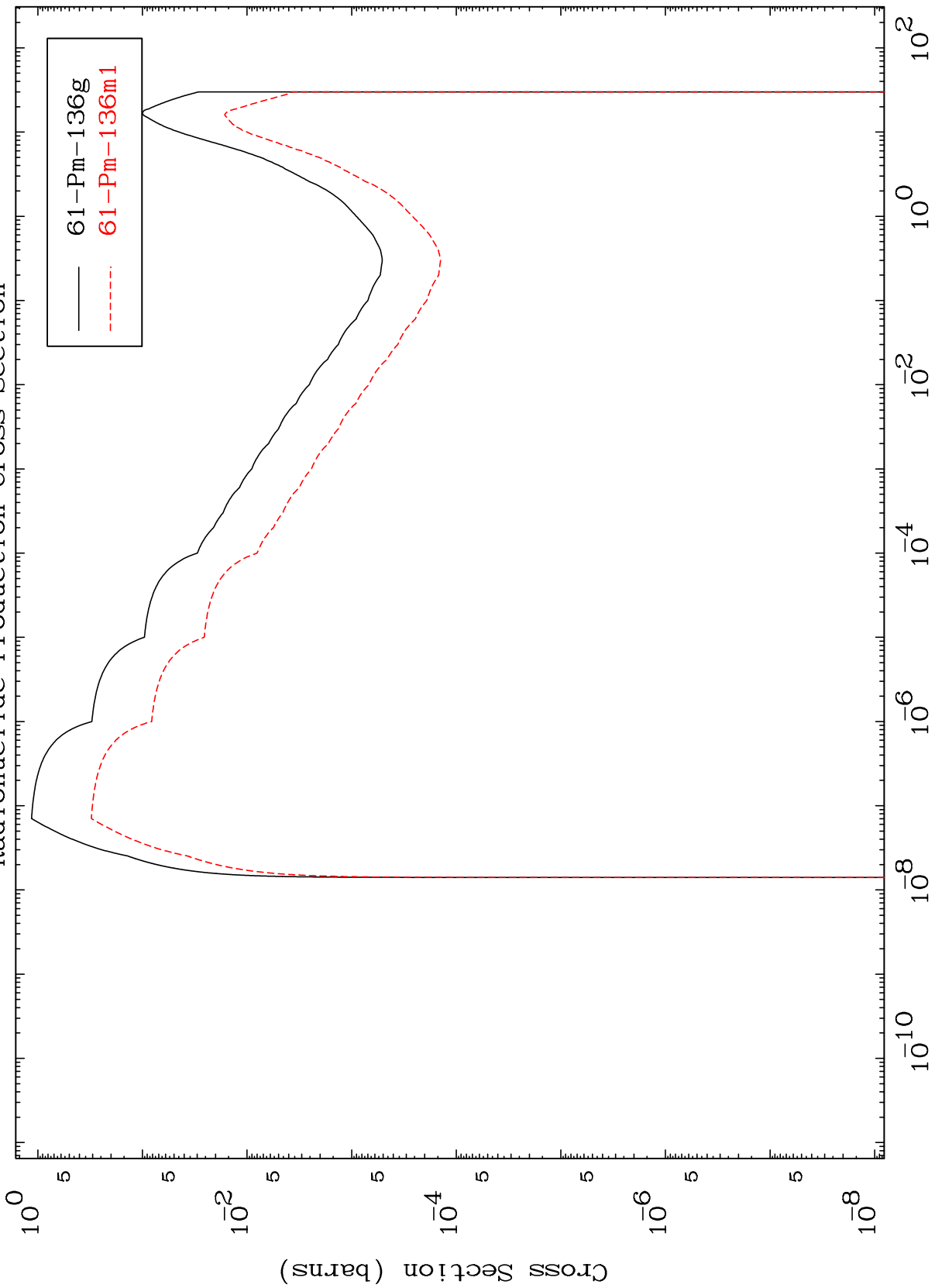
109

63-Eu-139

MAT 6289

63-Eu-139

$(n, \alpha)$   
Radionuclide Production Cross Section



63-Eu-139

Incident Energy (MeV)

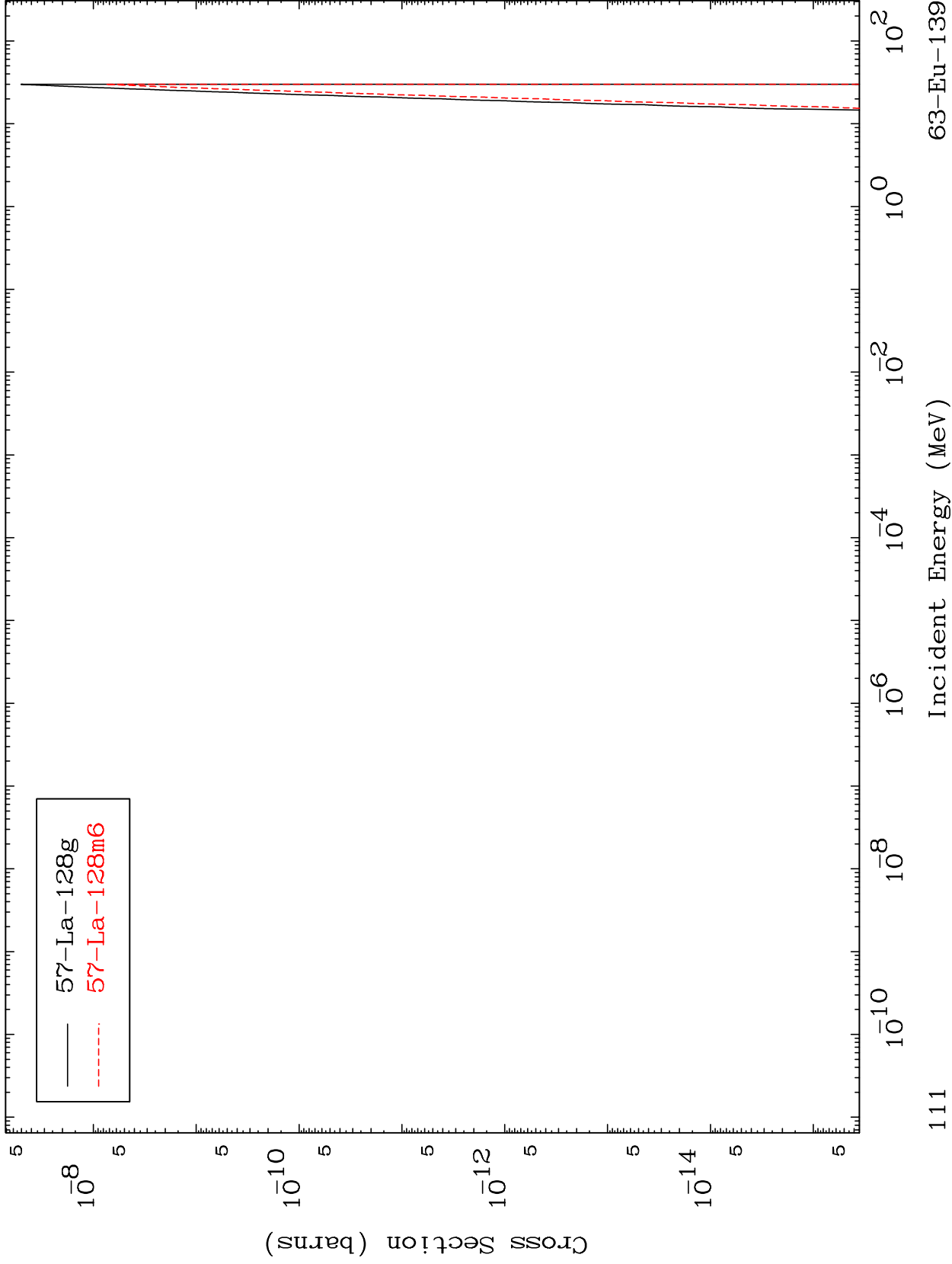
110

MAT 6289

(n, 3 $\alpha$ )

63-Eu-139

Radionuclide Production Cross Section



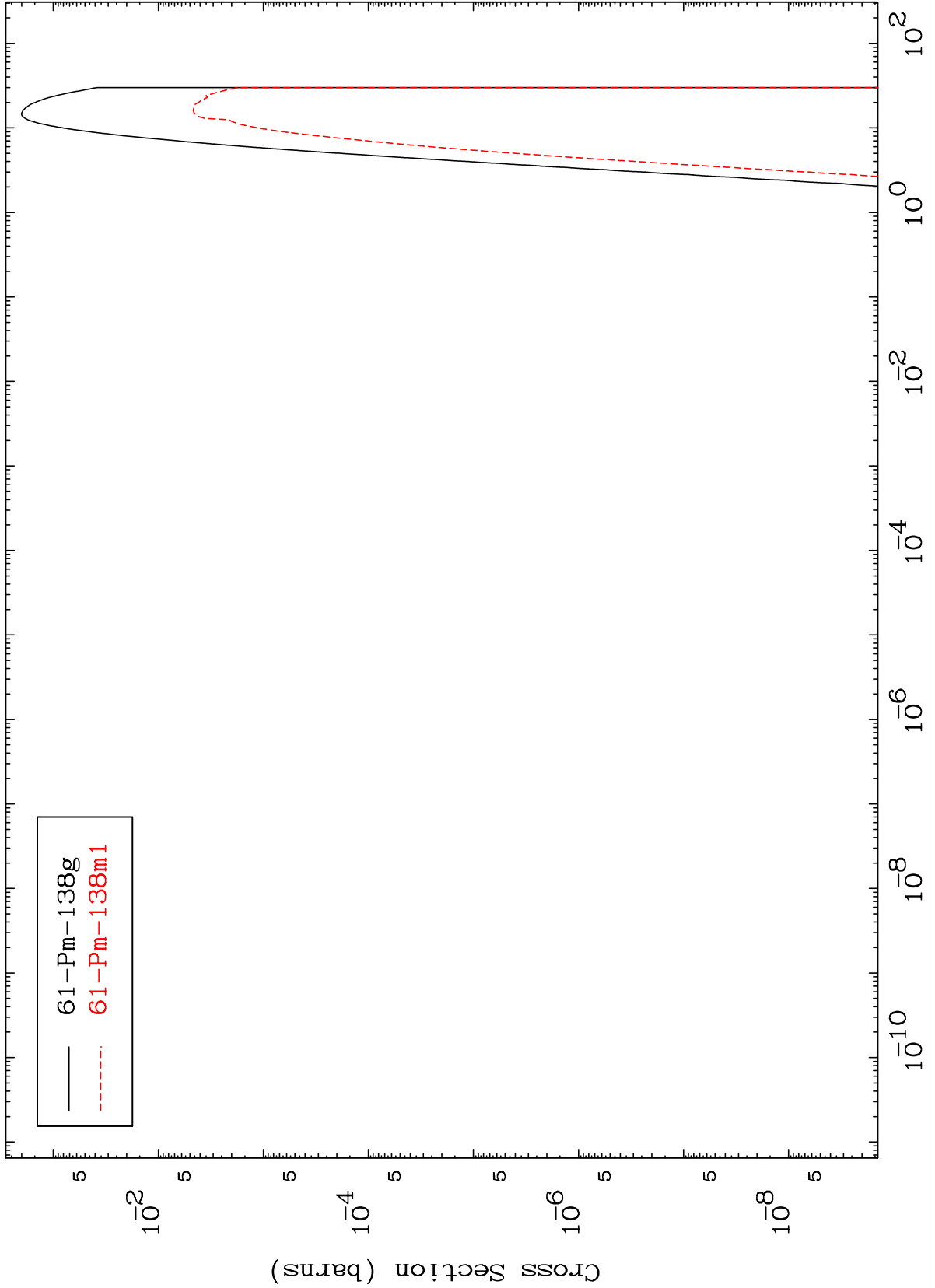


MAT 6289

(n,2p)

63-Eu-139

Radionuclide Production Cross Section



MAT 6289

(n,p) t

63-Eu-139

