

Program EVALPLOT
(Version 2017-1)

by

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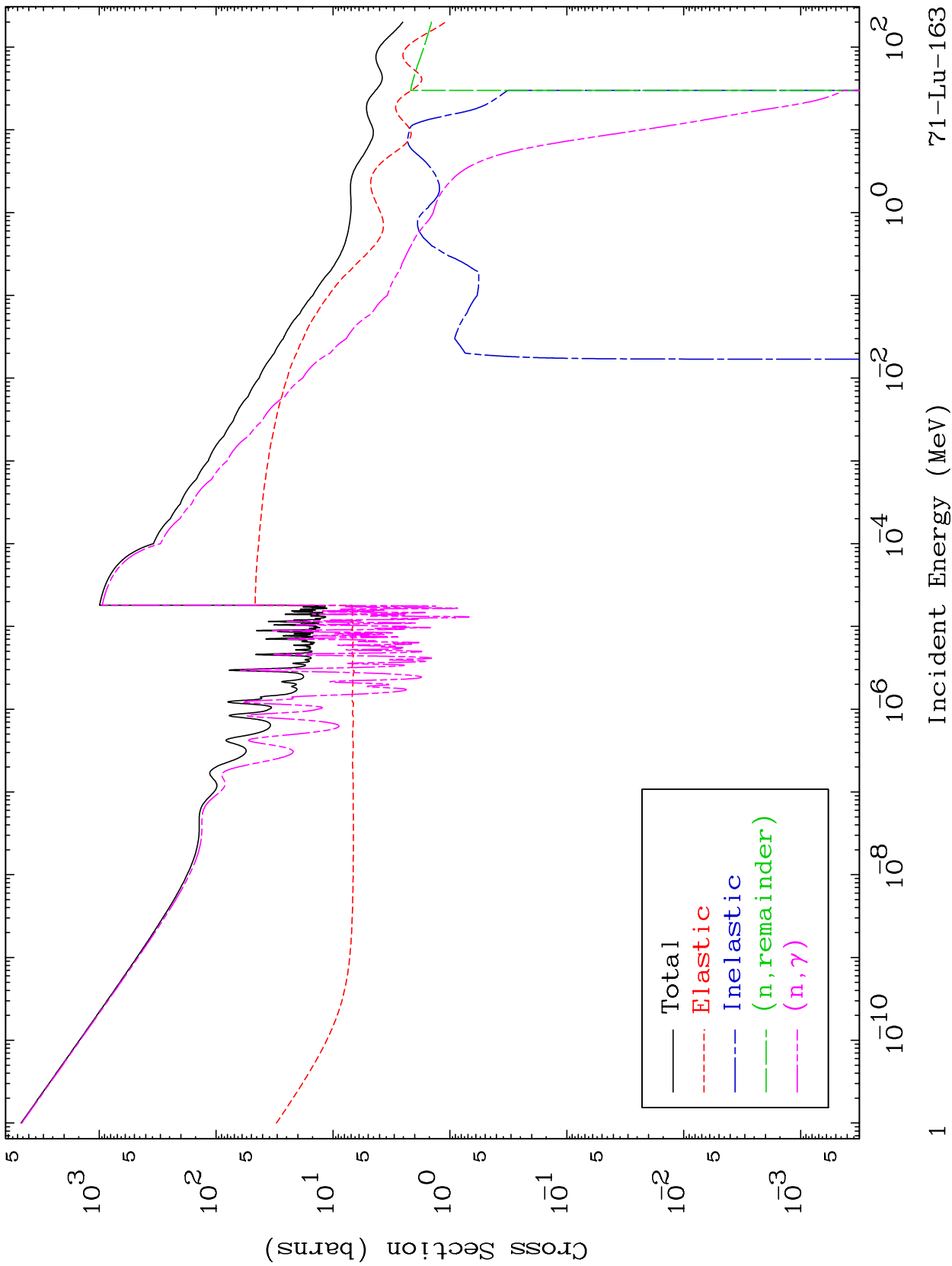
Press Mouse Button to Start

MAT 7089

Major

293 Kelvin Cross Sections

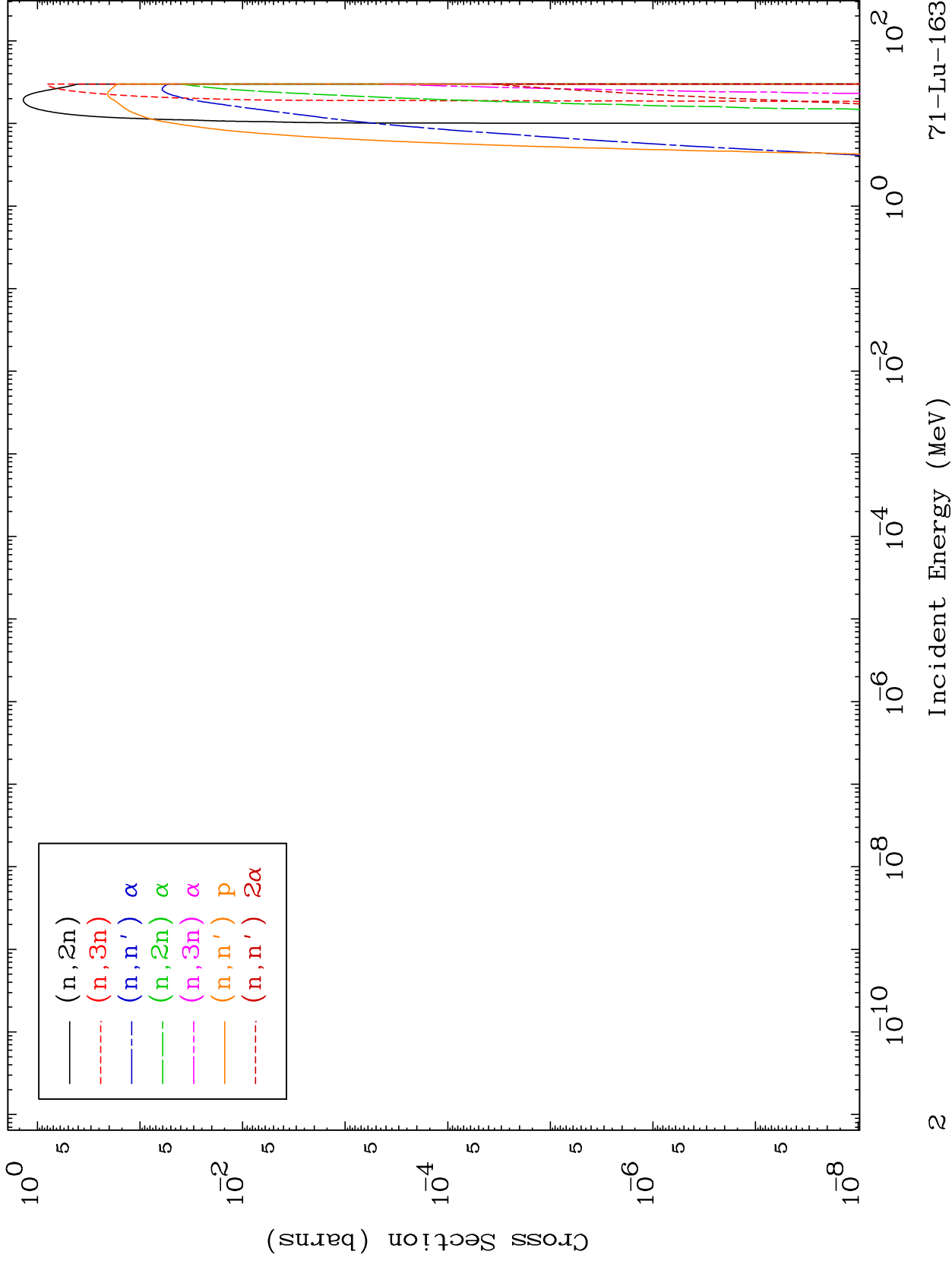
71-Lu-163

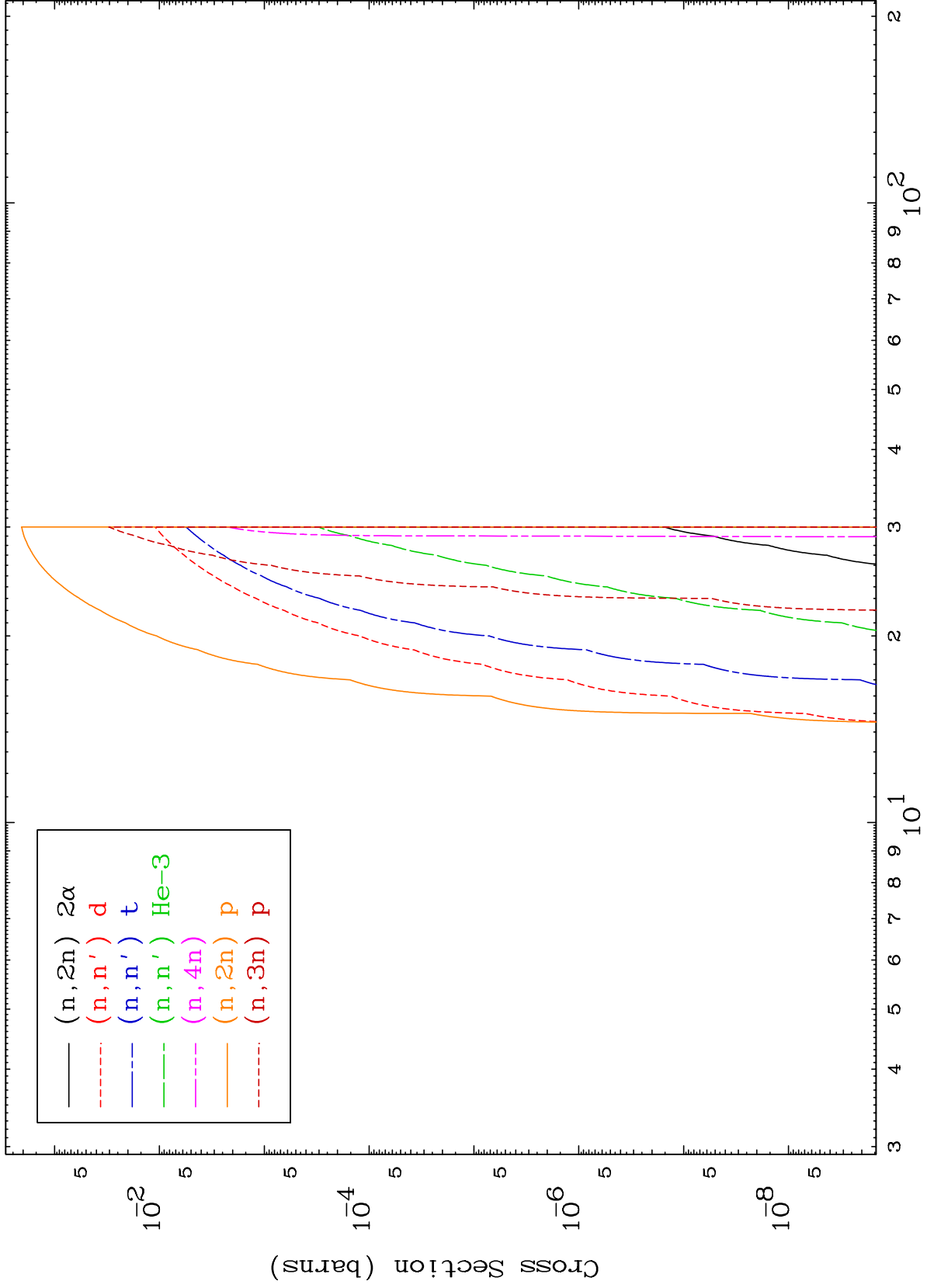


MAT 7089

Neutron Production
293 Kelvin Cross Sections

71-Lu-163

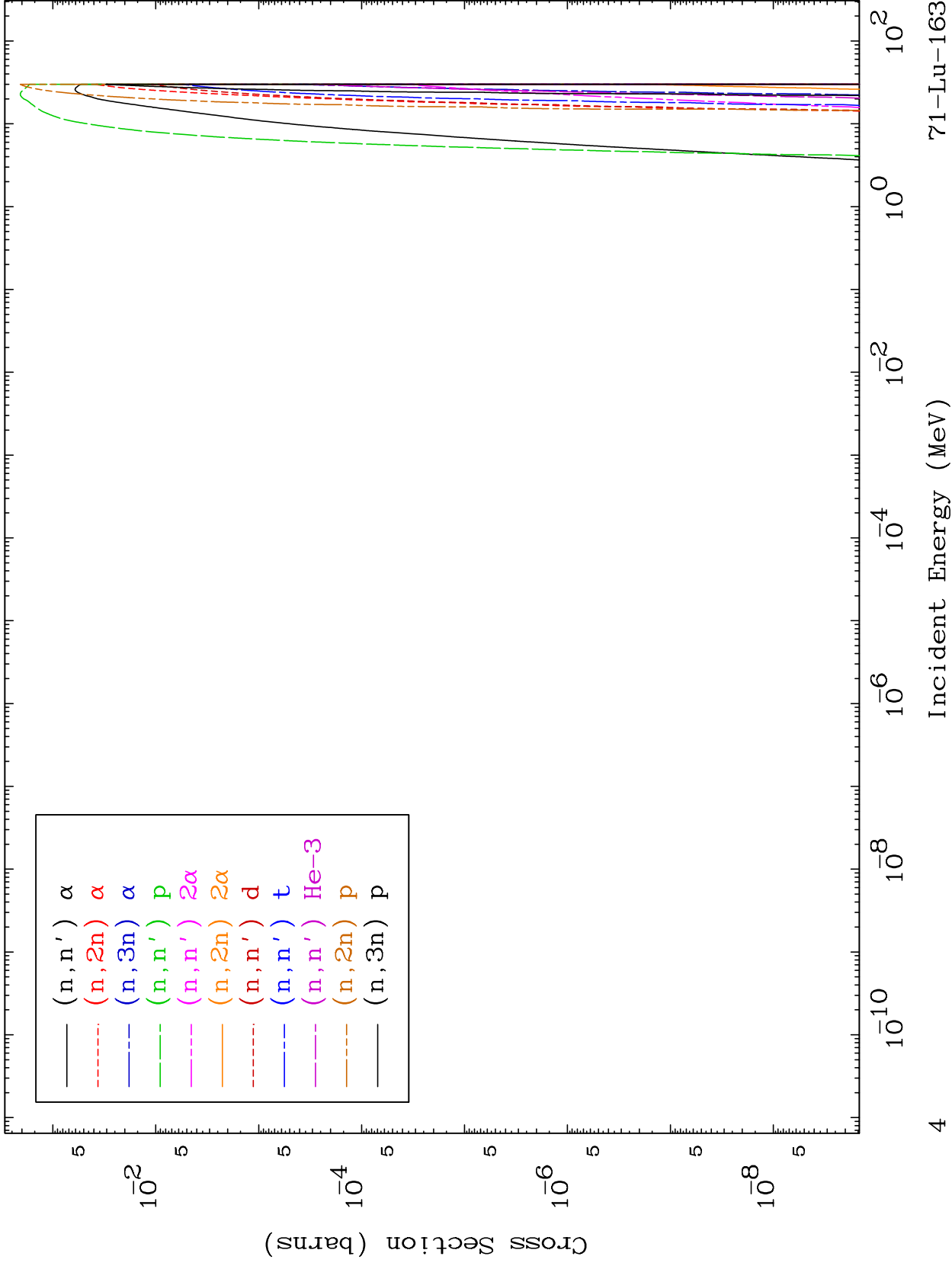


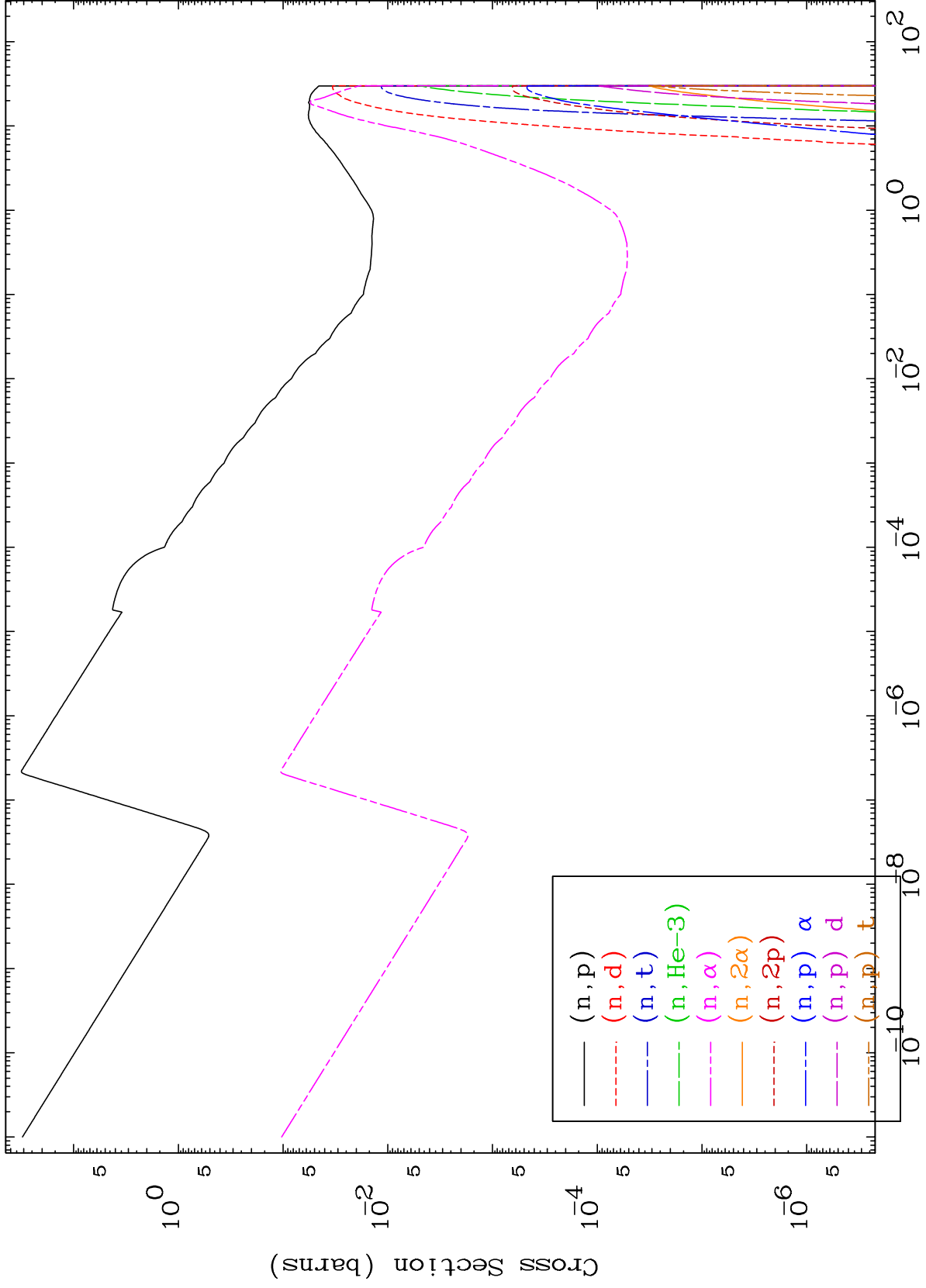


MAT 7089

Charged Particle
293 Kelvin Cross Sections

71-Lu-163

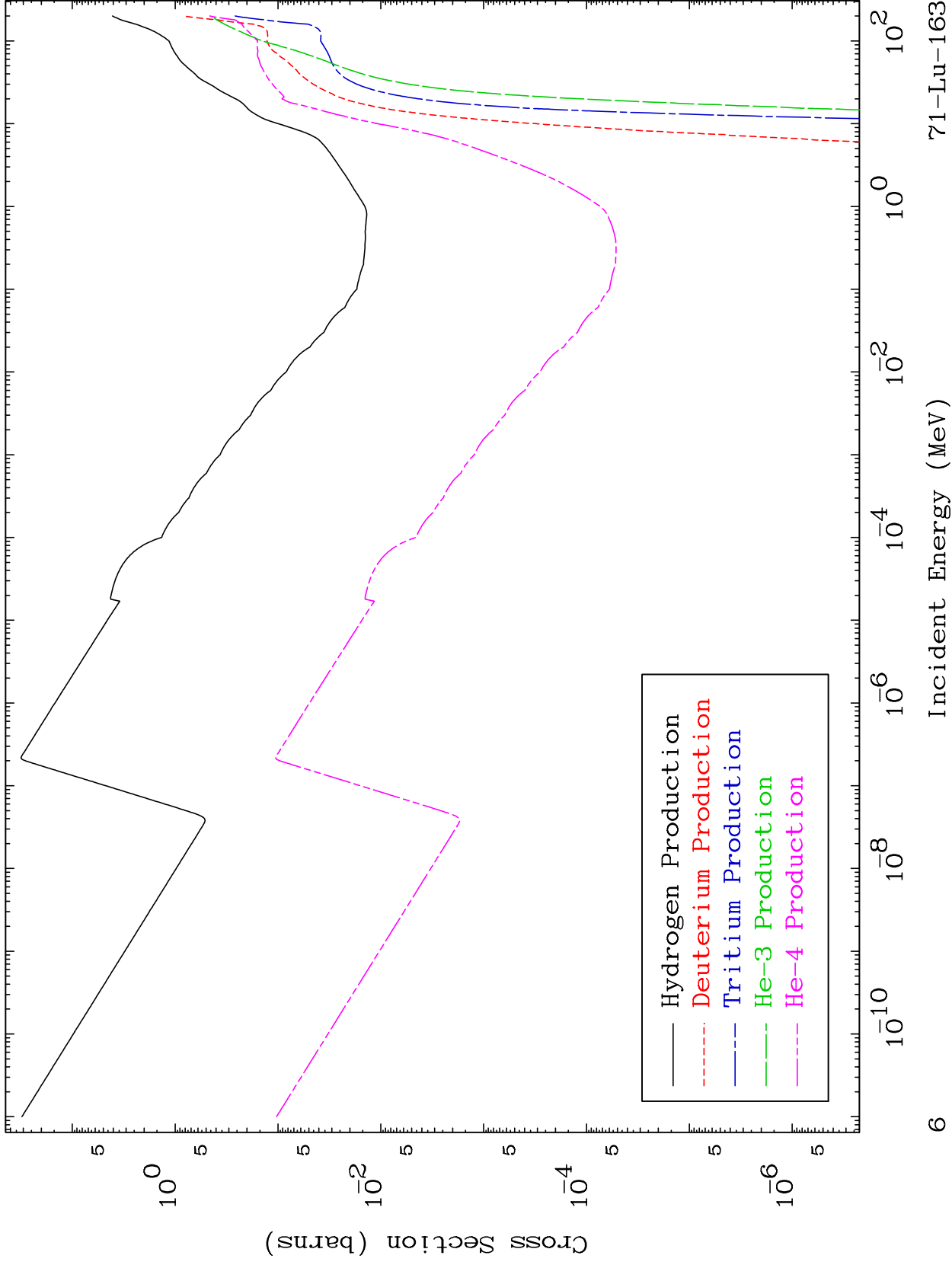


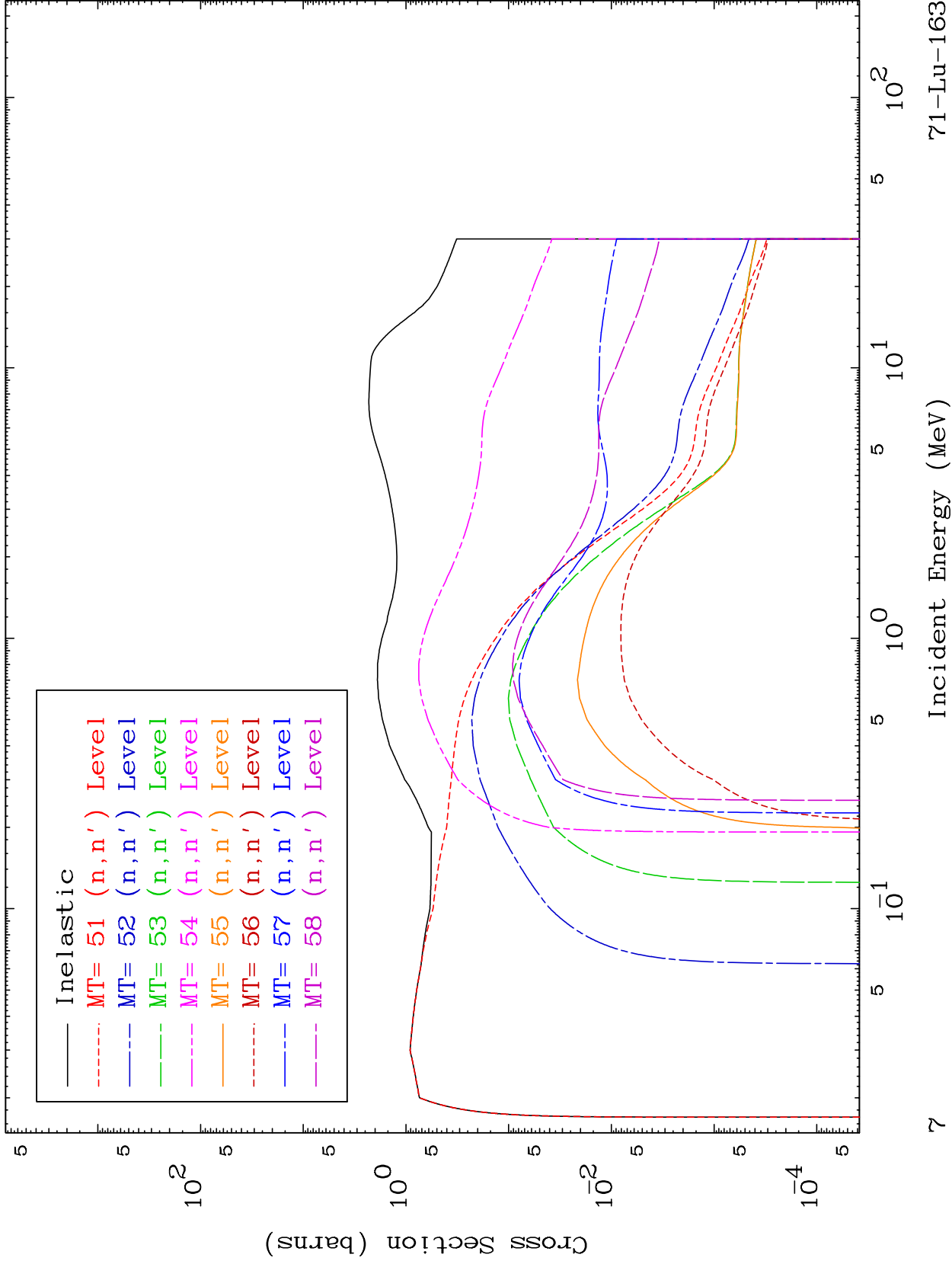


MAT 7089

Particle Production
293 Kelvin Cross Sections

71-Lu-163



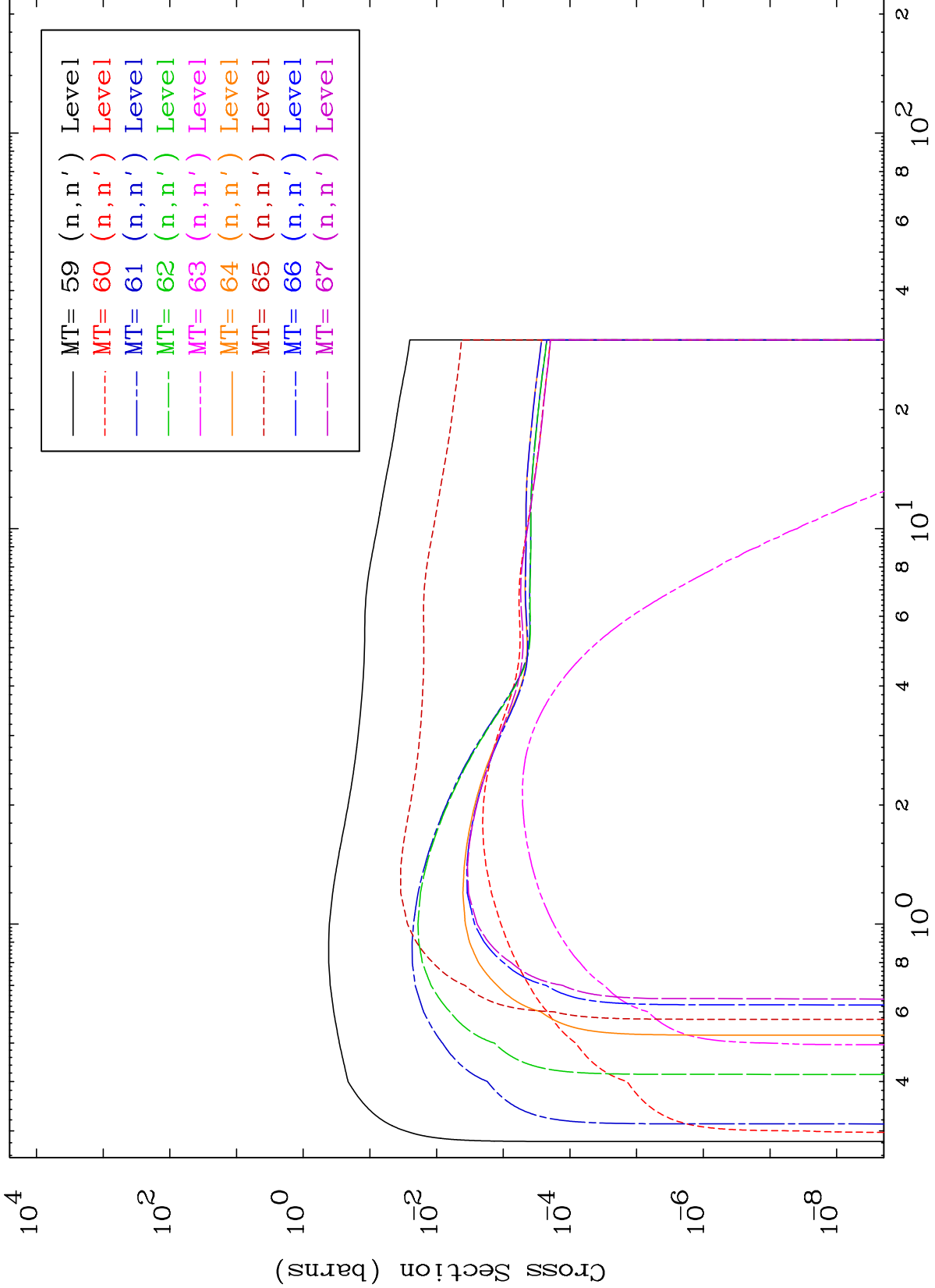


MAT 7089

(n,n') Level

293 Kelvin Cross Sections

71-Lu-163



8

Incident Energy (MeV)

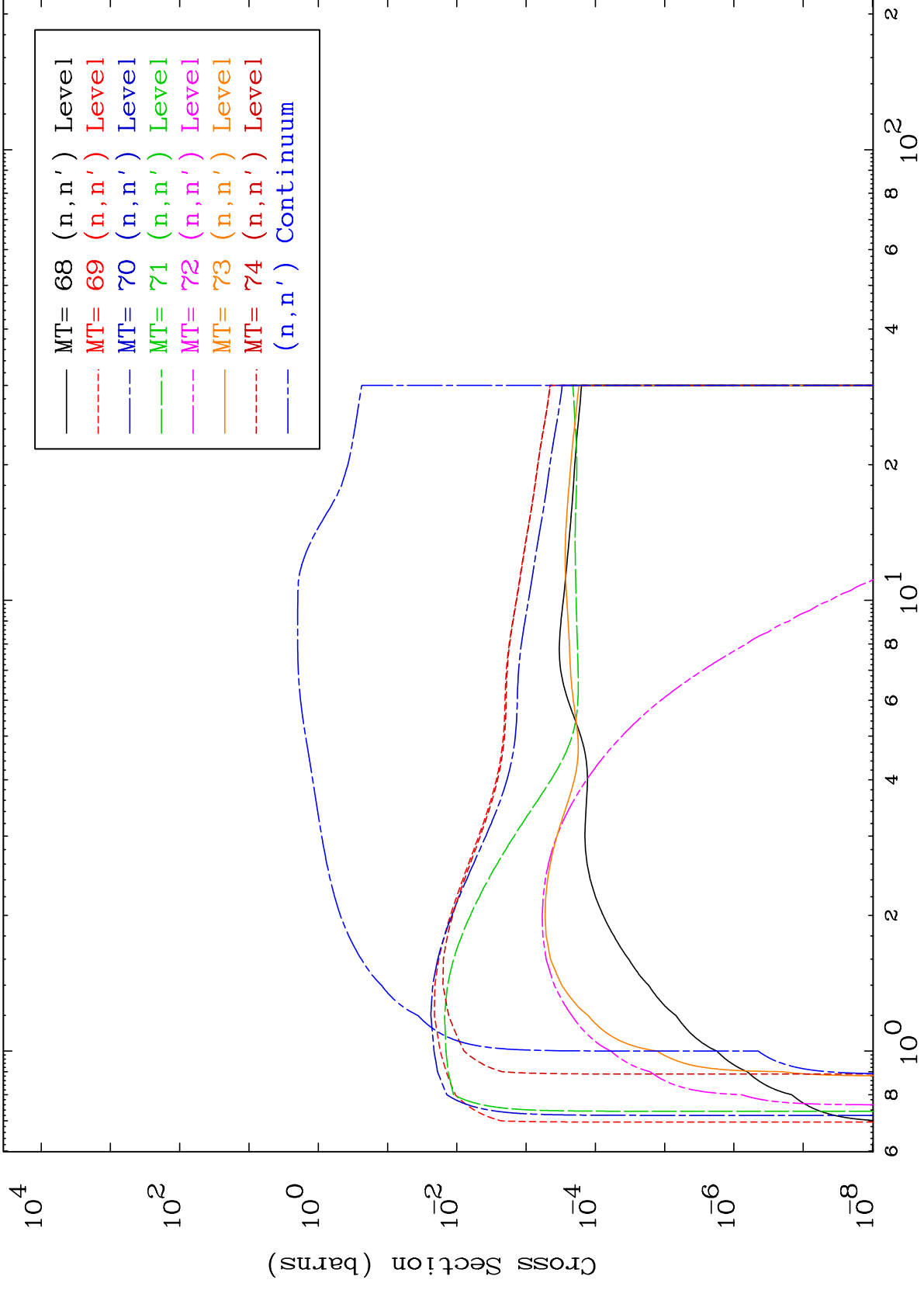
71-Lu-163

MAT 7089

(n,n') Level

71-Lu-163

293 Kelvin Cross Sections



9

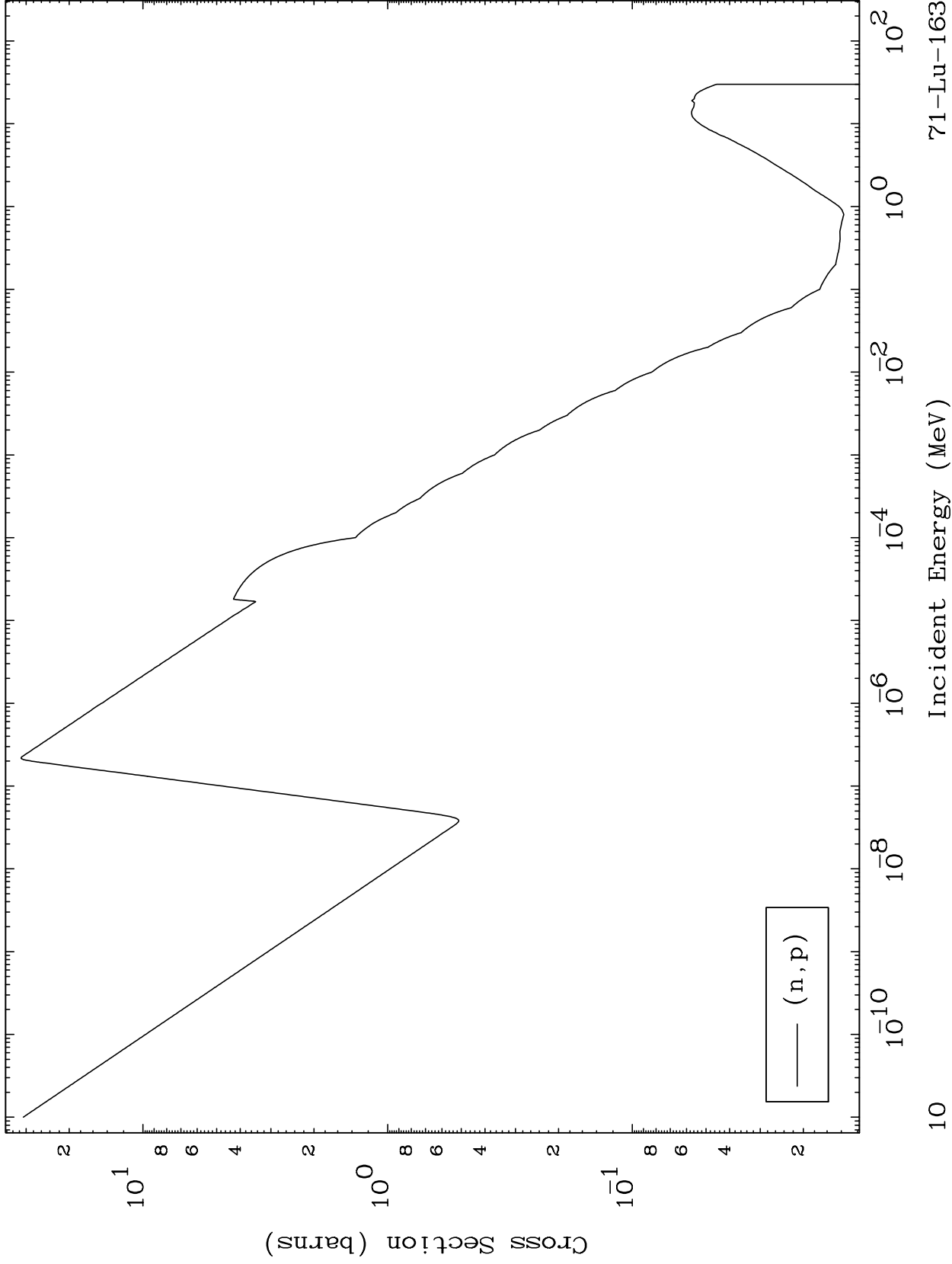
Incident Energy (MeV)

71-Lu-163

MAT 7089

(n,p) Levels
293 Kelvin Cross Sections

71-Lu-163



10

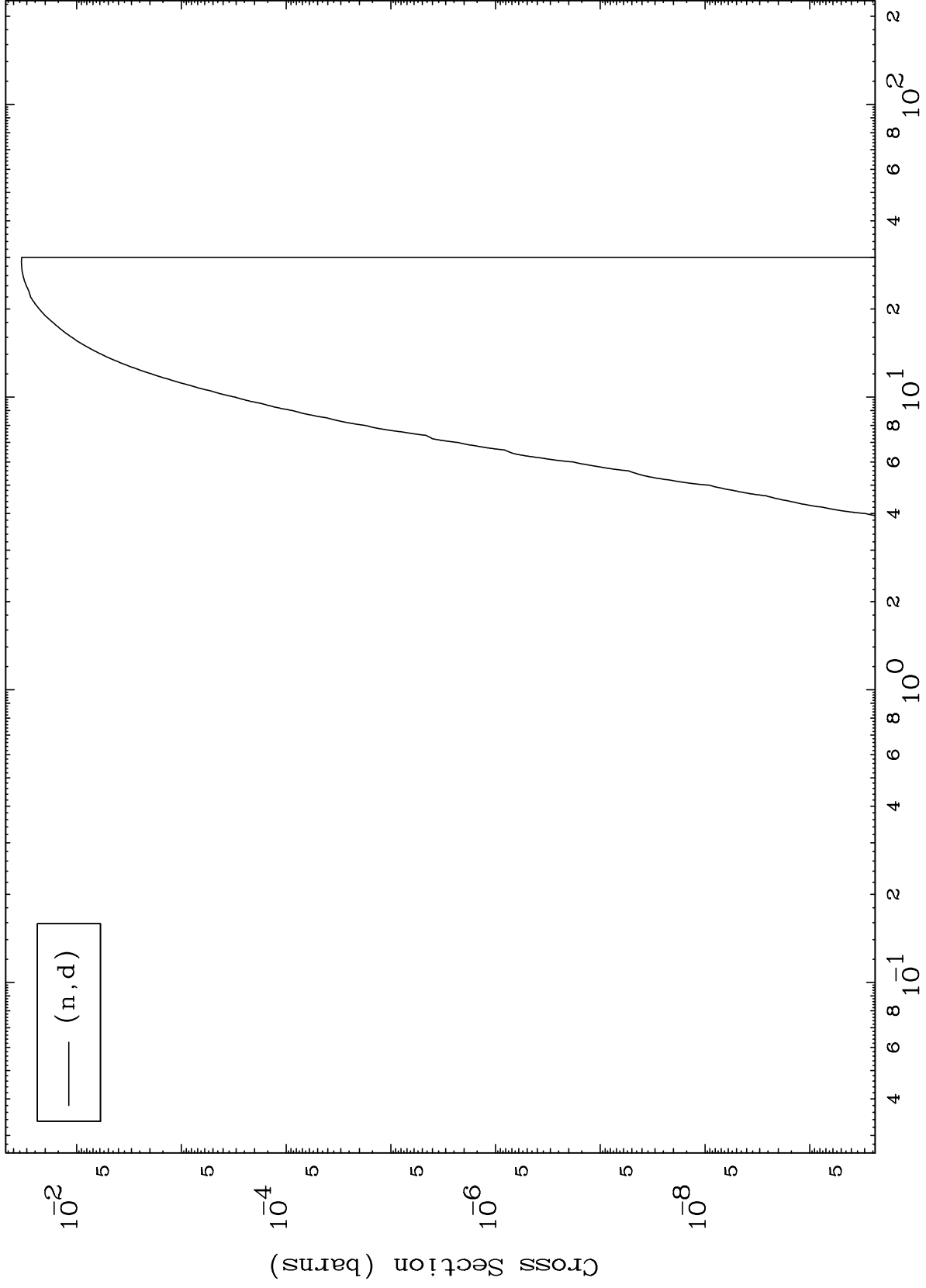
Incident Energy (MeV)

71-Lu-163

MAT 7089

(n,d) Levels
293 Kelvin Cross Sections

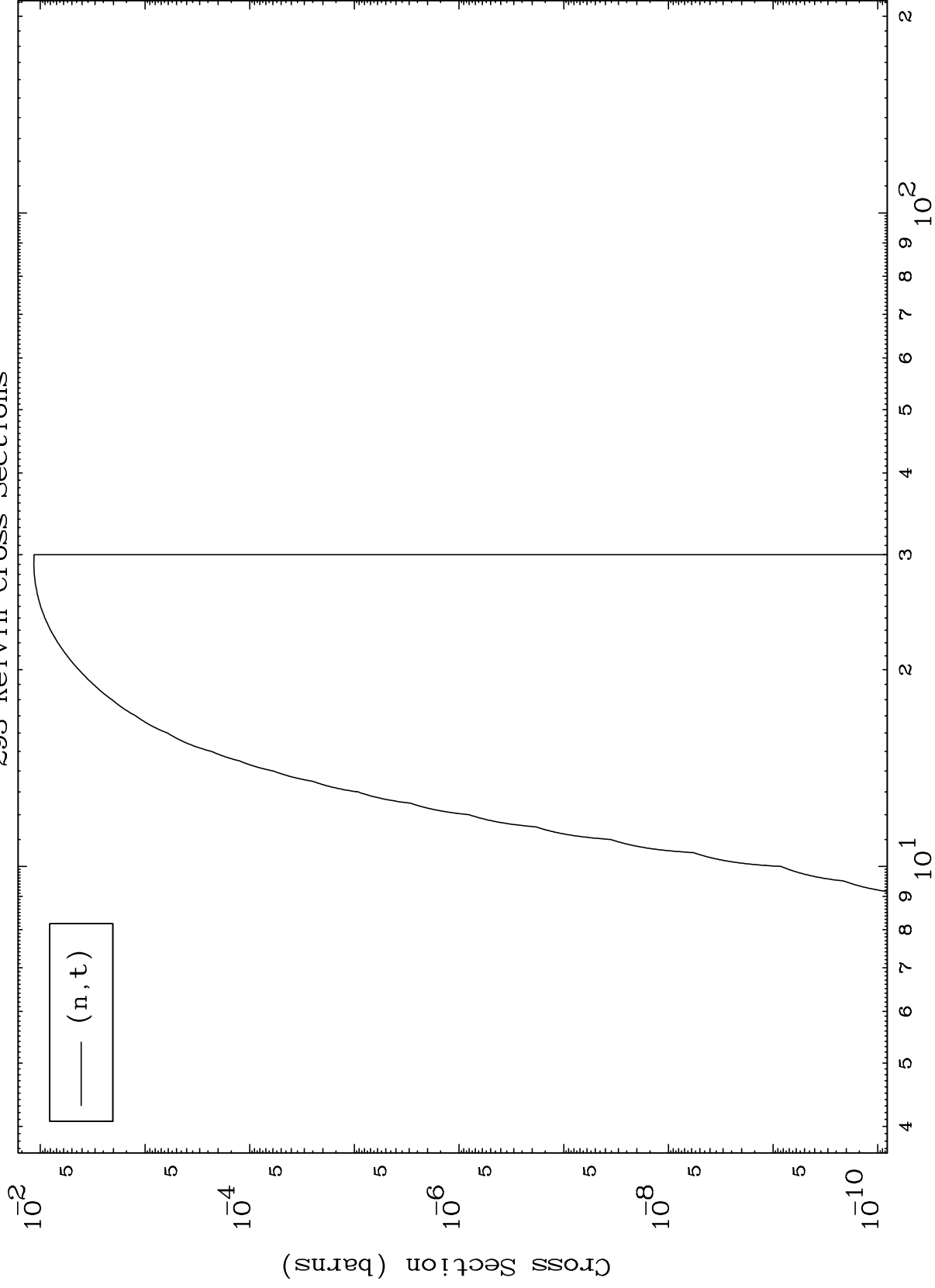
71-Lu-163



MAT 7089

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-163



12

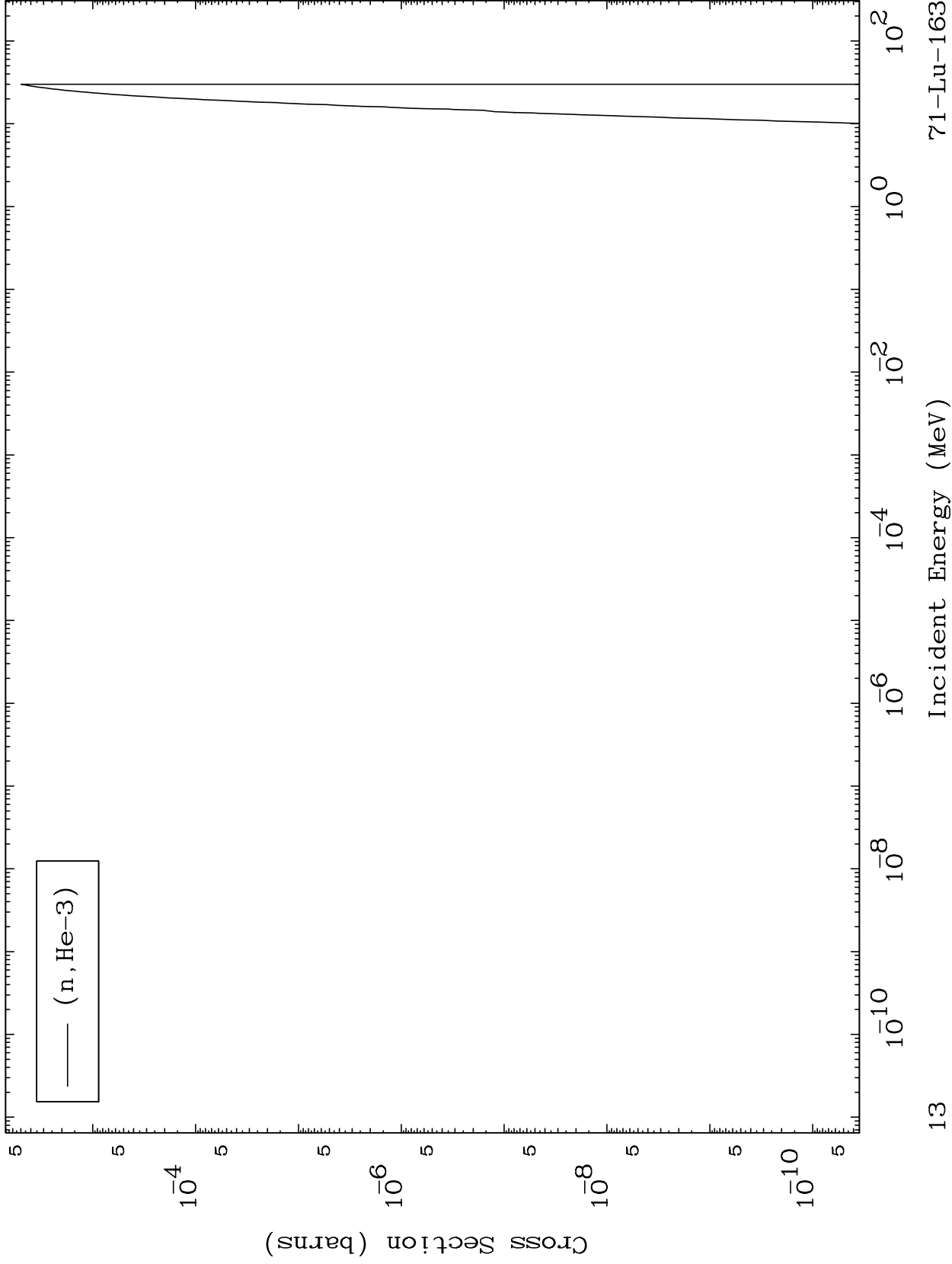
Incident Energy (MeV)

71-Lu-163

MAT 7089

(n,He3) Levels
293 Kelvin Cross Sections

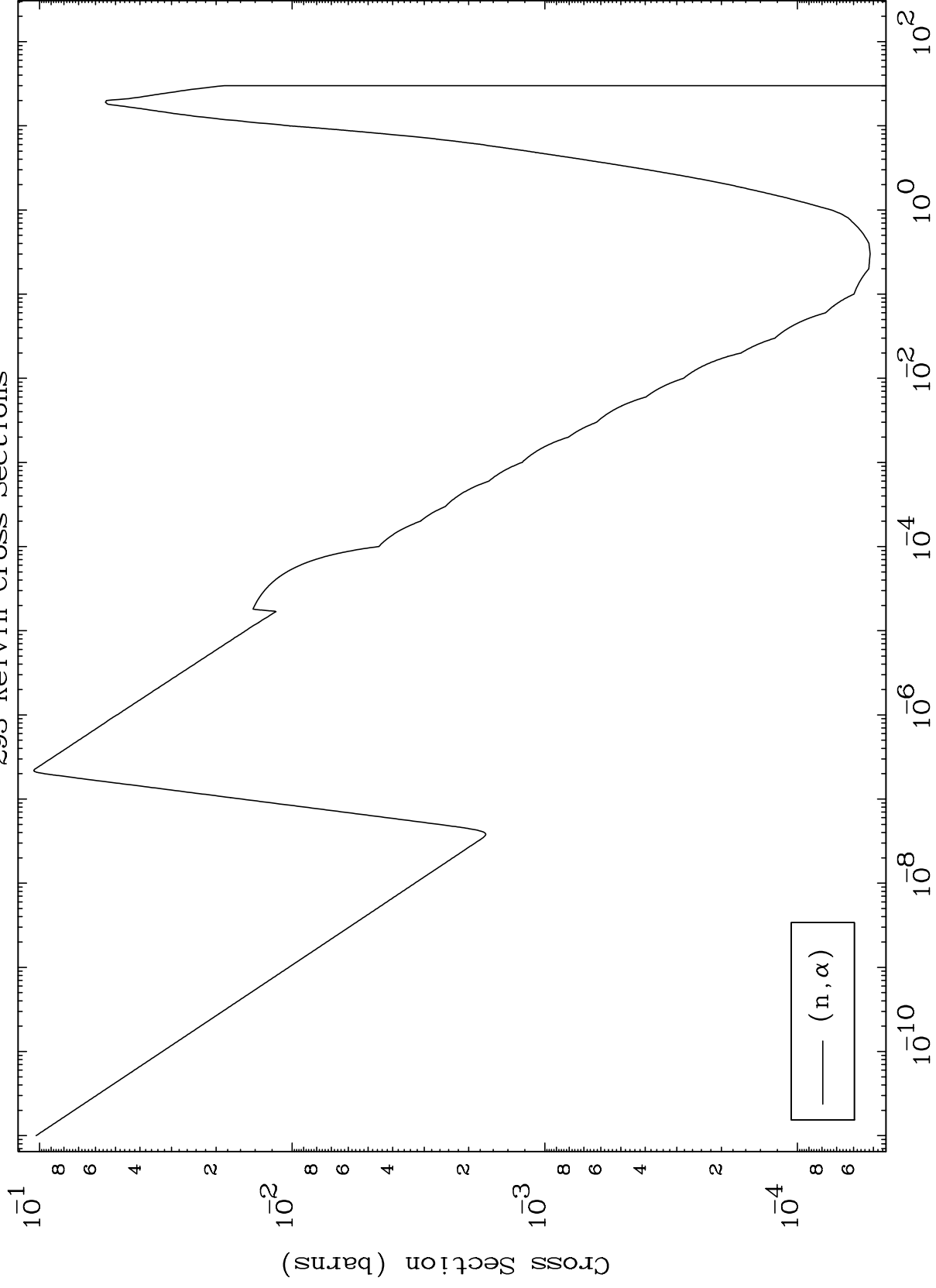
71-Lu-163



MAT 7089

(n, α) Levels
293 Kelvin Cross Sections

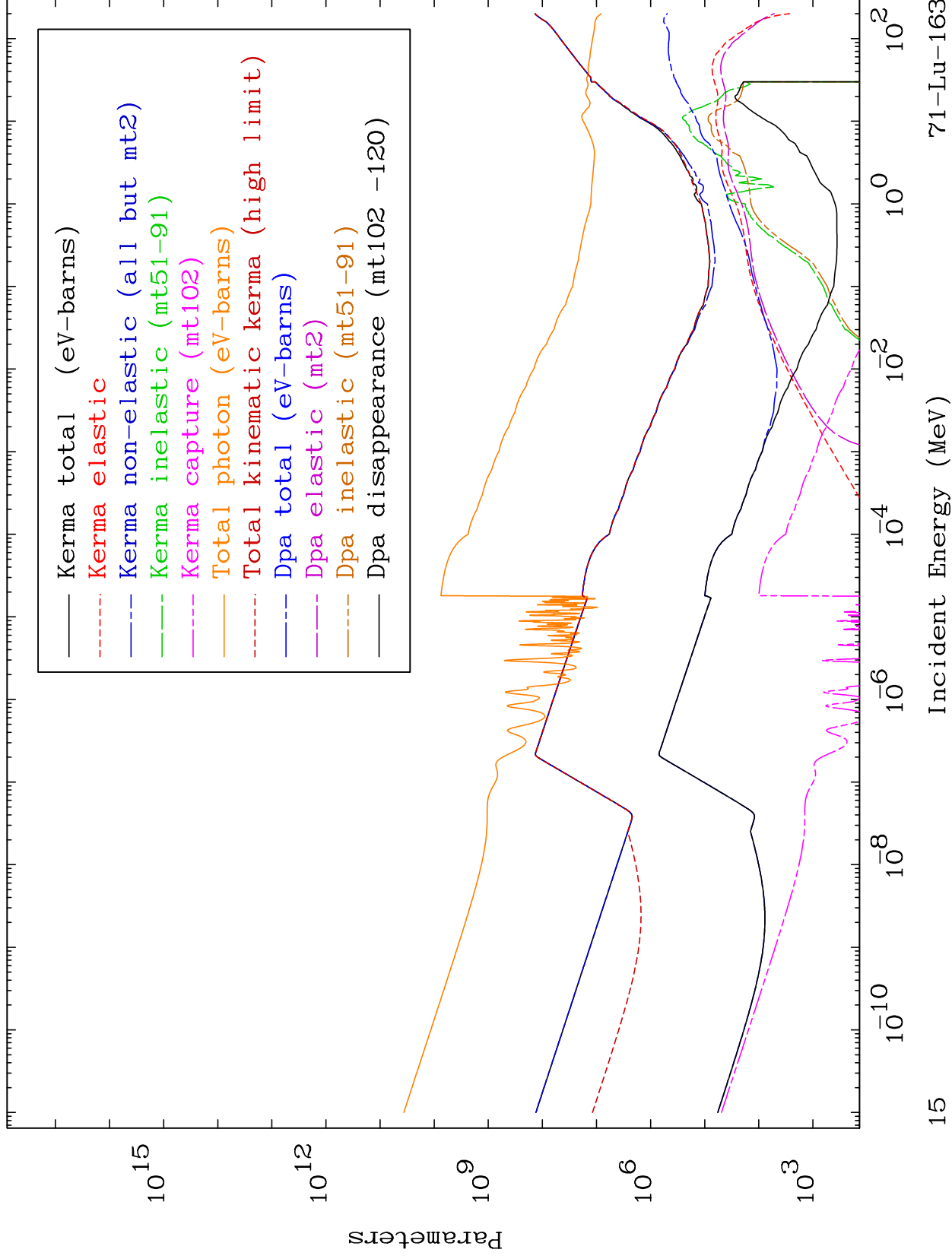
71-Lu-163



14

Incident Energy (MeV)

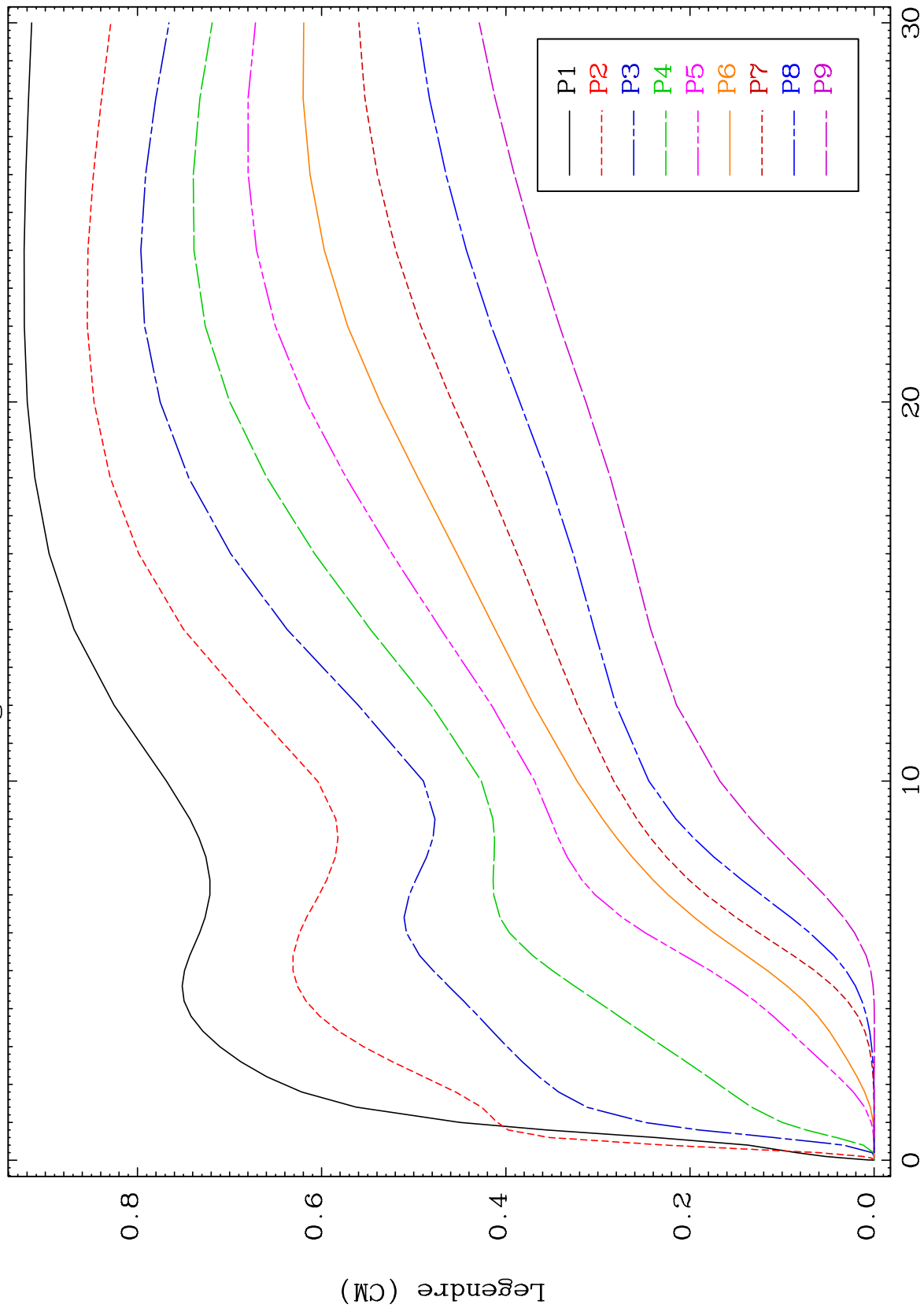
71-Lu-163



MAT 7089

Elastic Legendre Coefficients

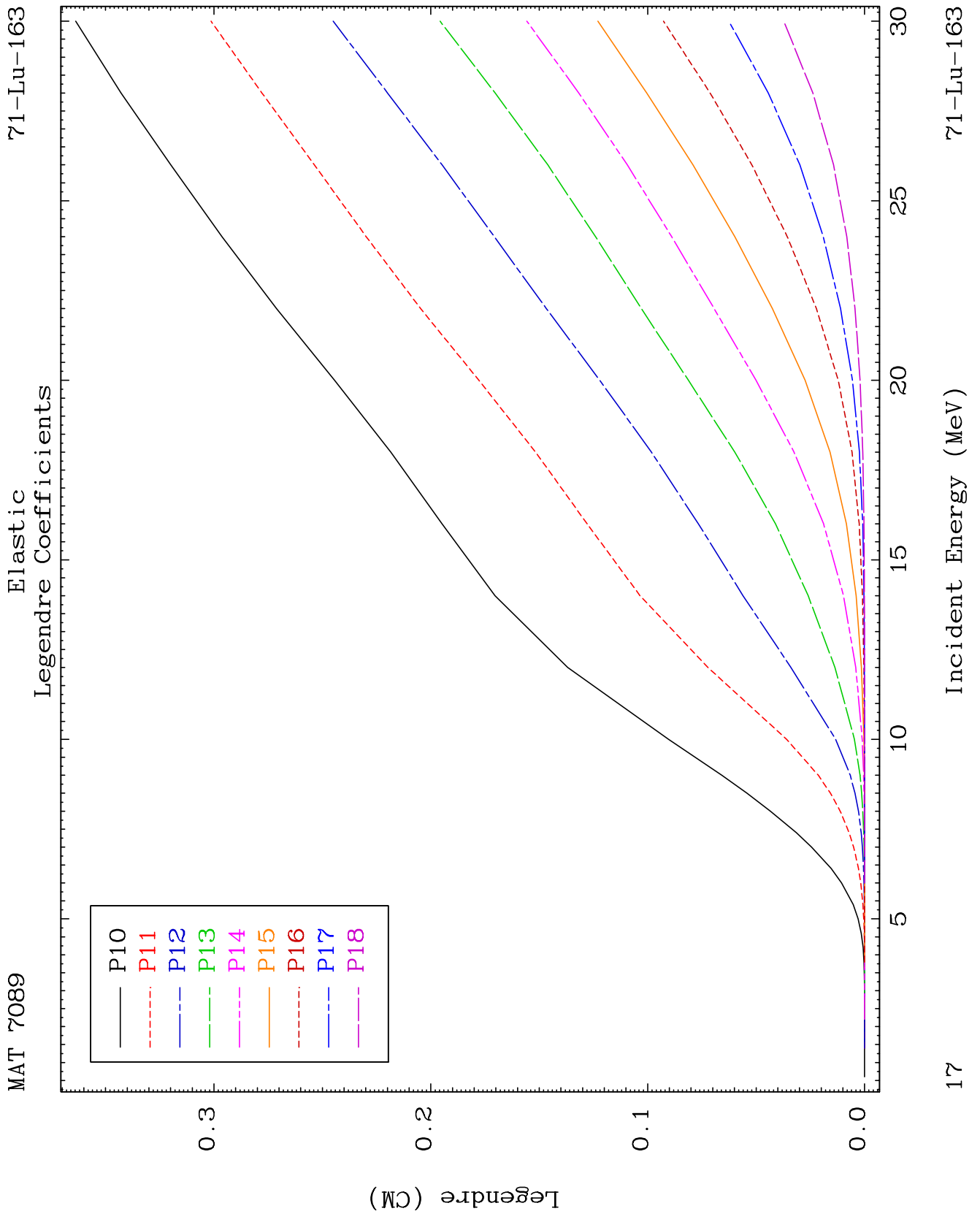
71-Lu-163



16

Incident Energy (MeV)

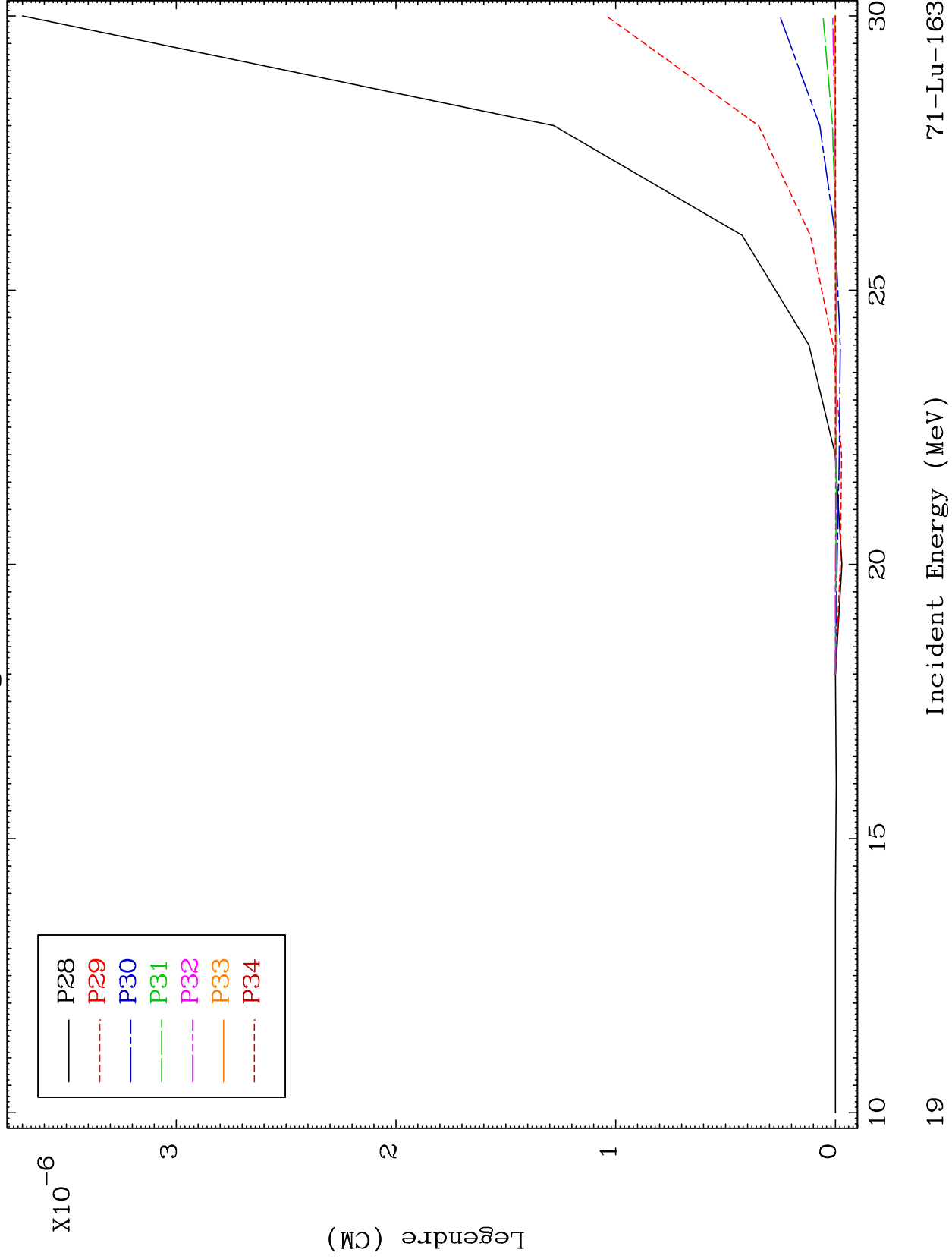
71-Lu-163



MAT 7089

Elastic
Legendre Coefficients

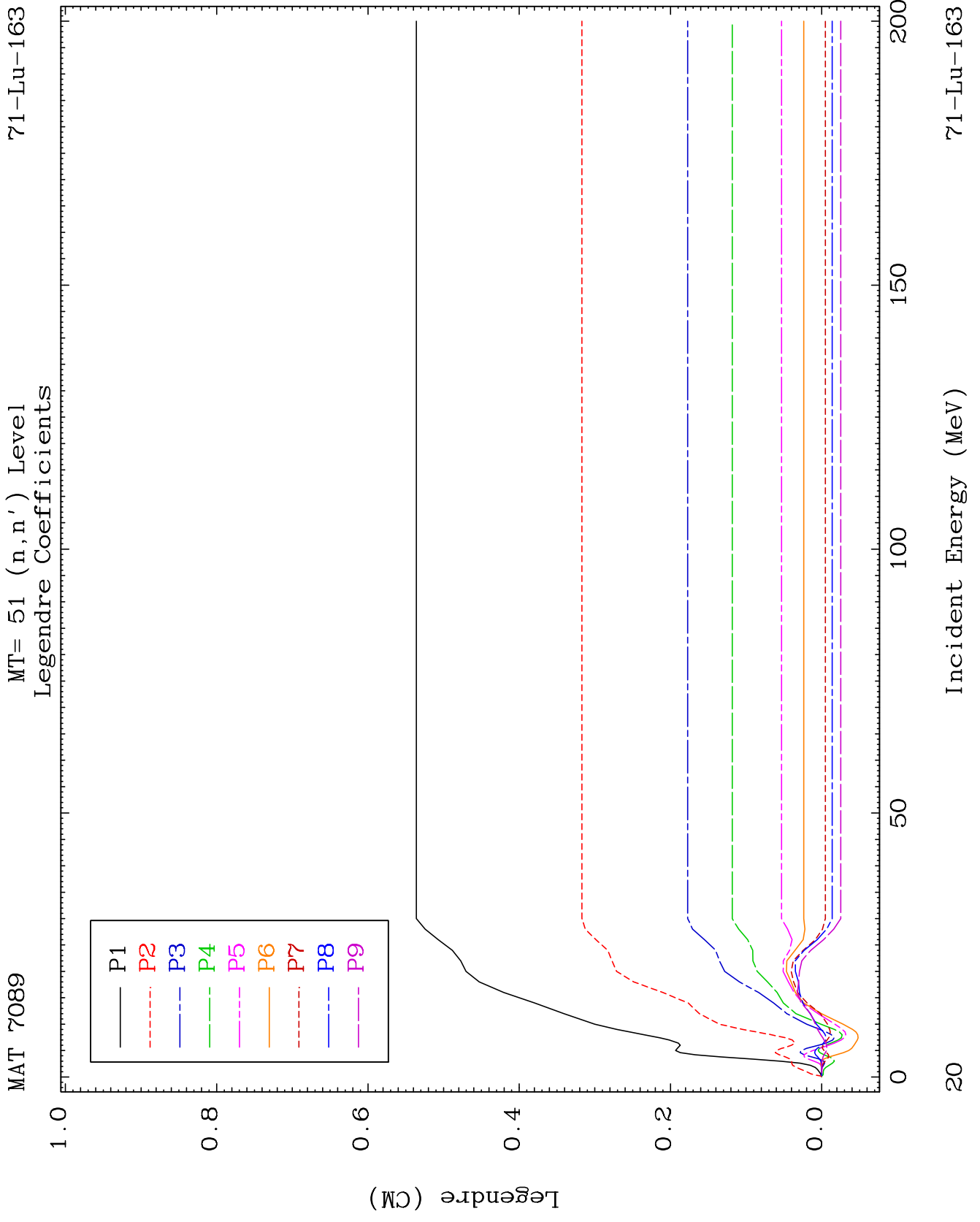
71-Lu-163



19

Incident Energy (MeV)

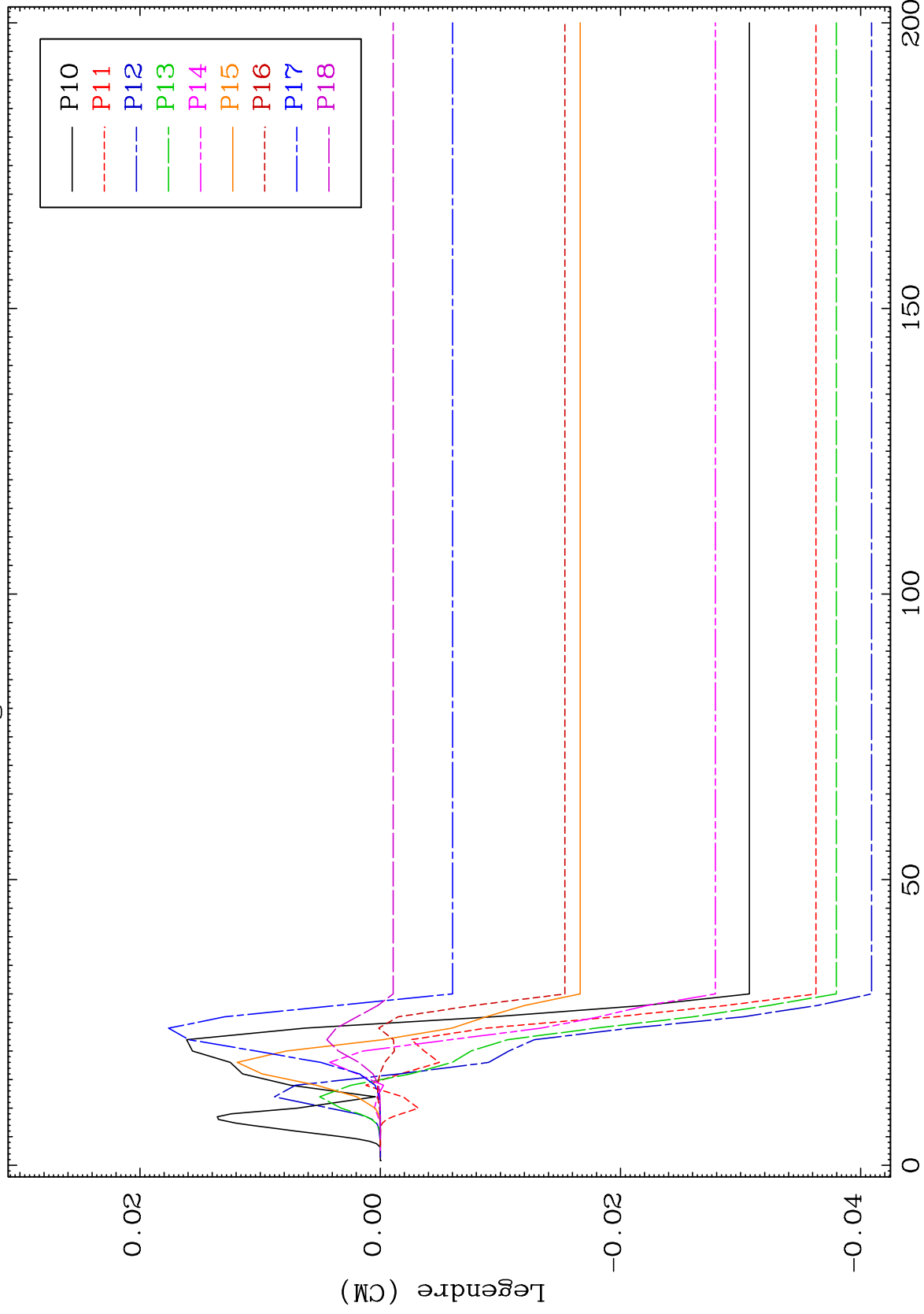
71-Lu-163



MAT 7089

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

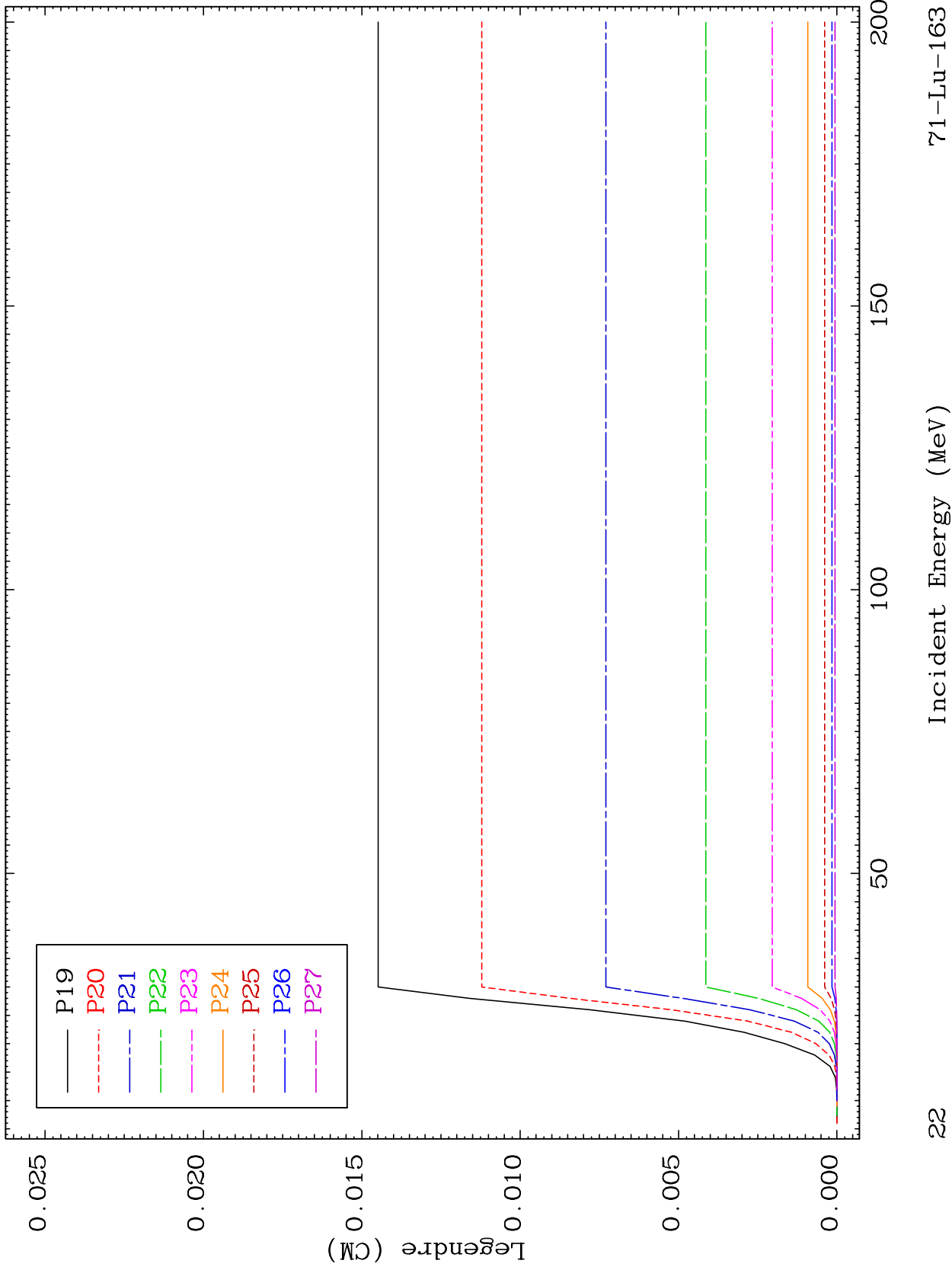
71-Lu-163

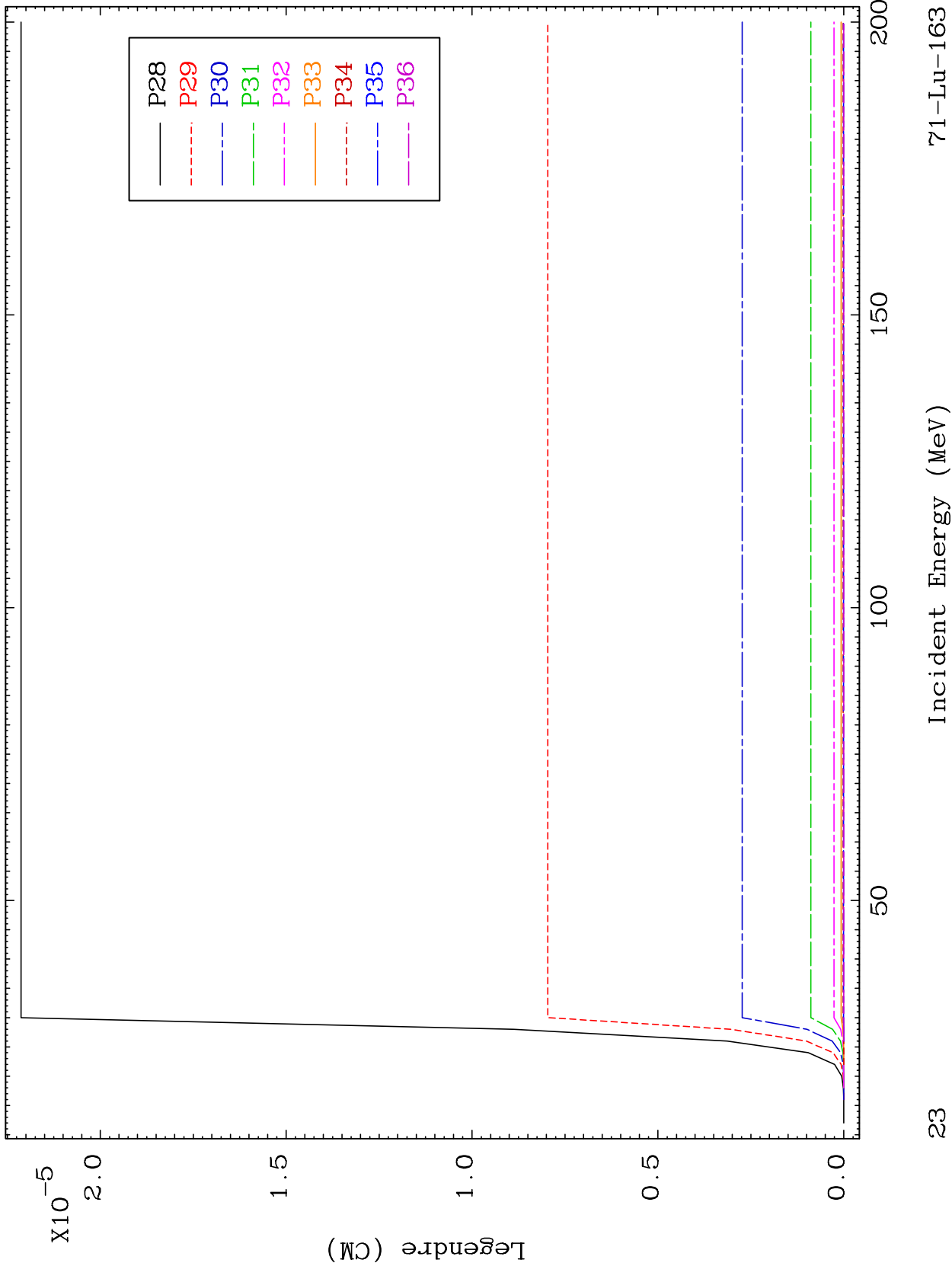


21

Incident Energy (MeV)

71-Lu-163

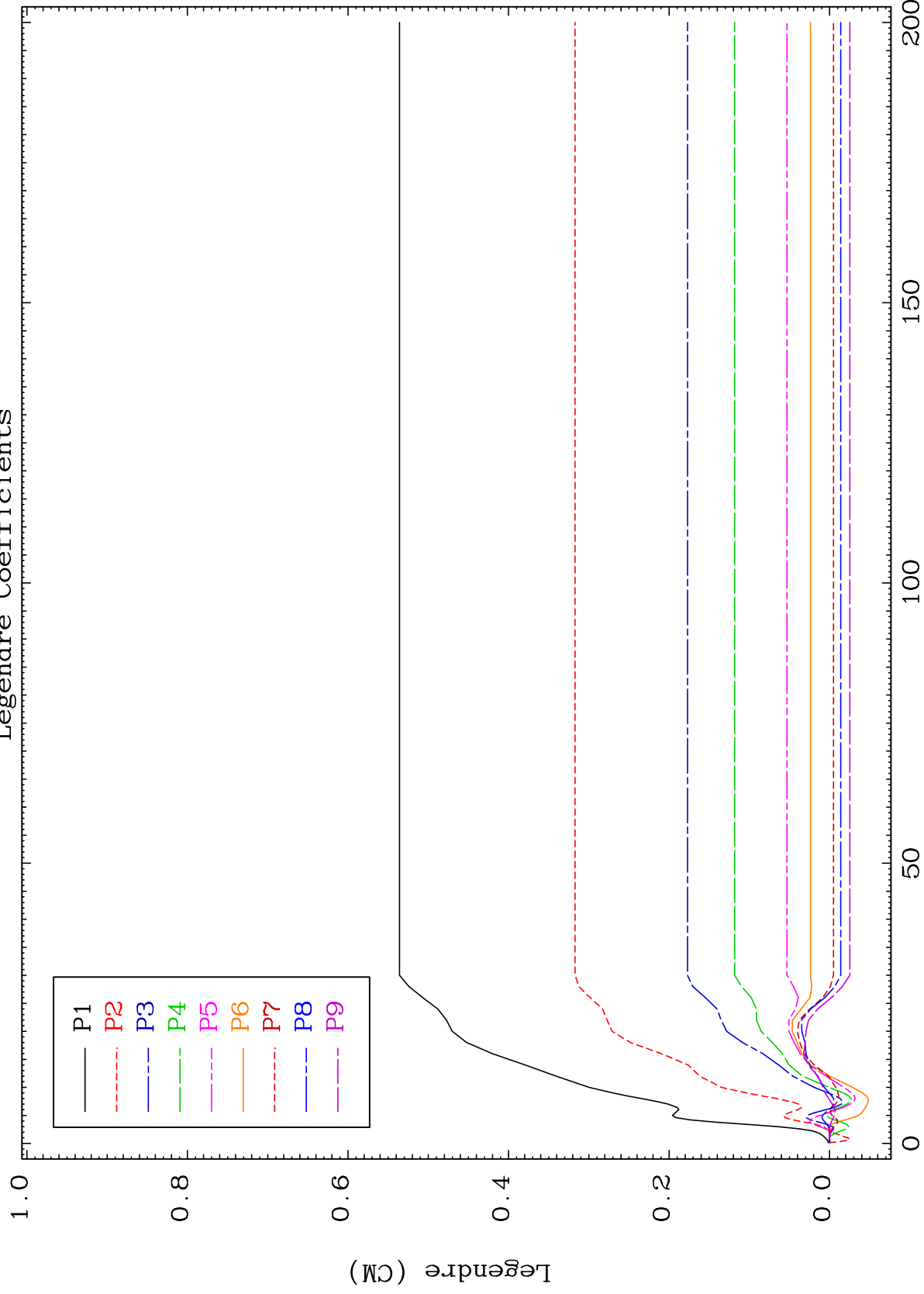




MAT 7089

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

71-Lu-163



71-Lu-163

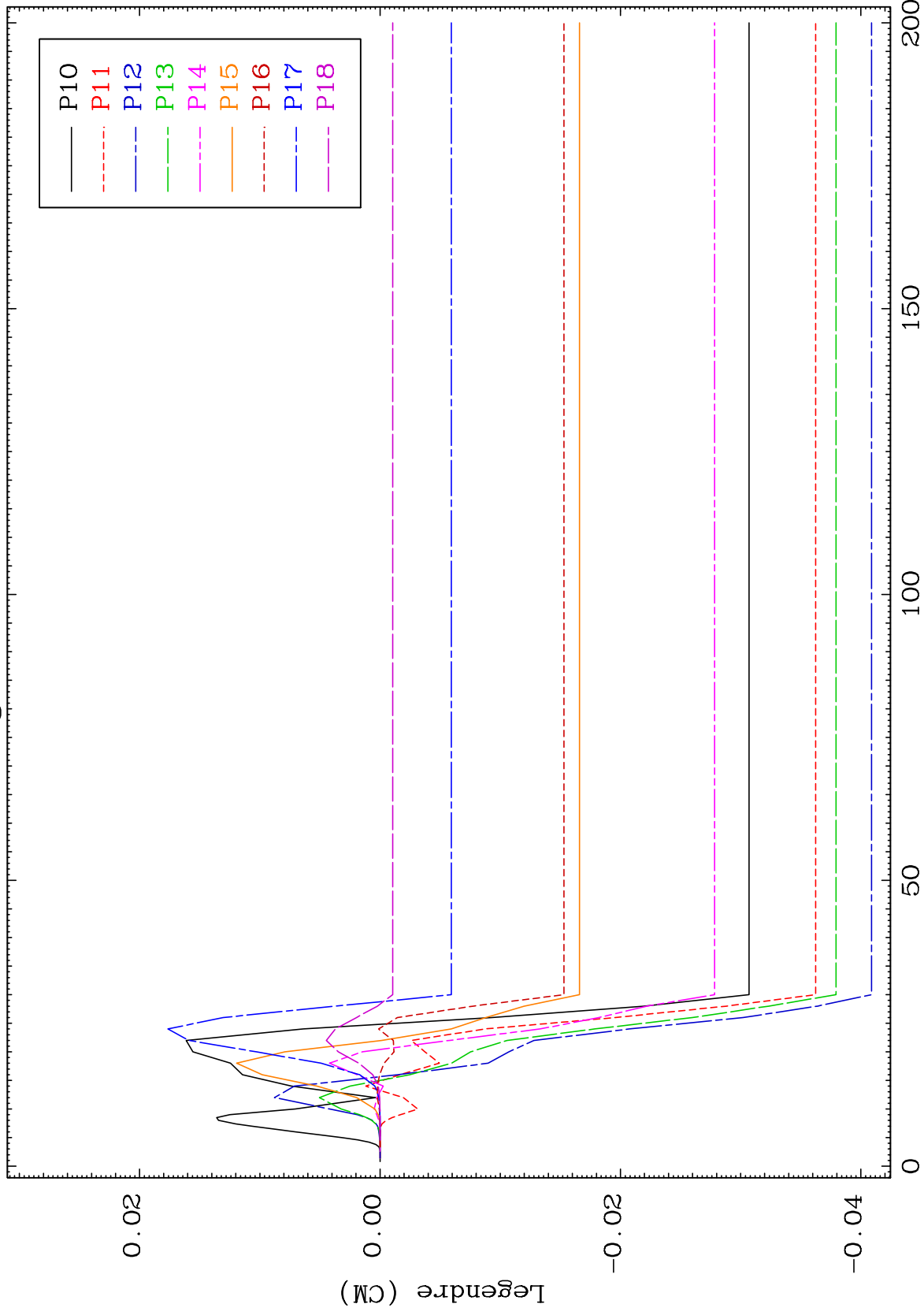
Incident Energy (MeV)

24

MAT 7089

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

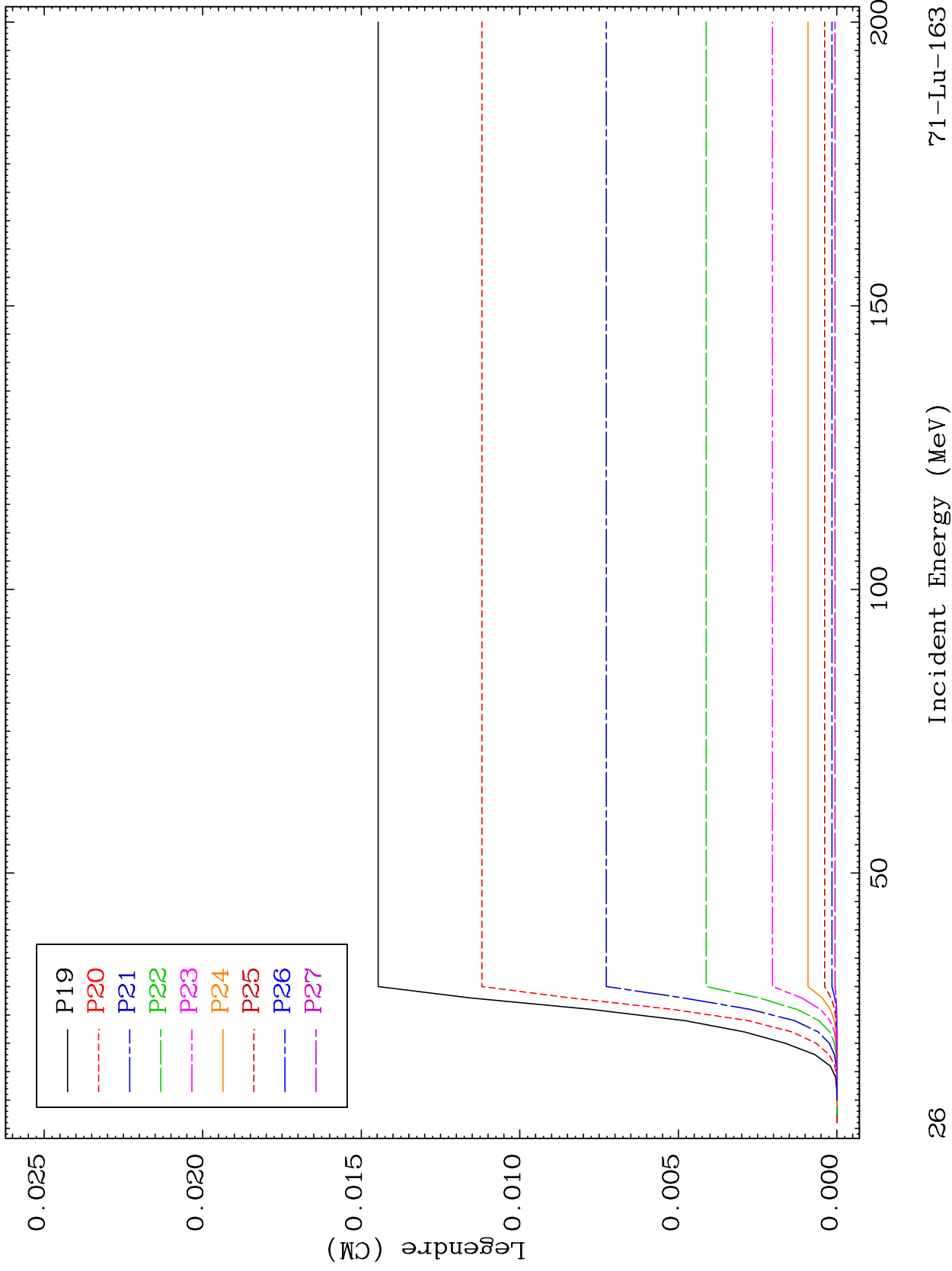
71-Lu-163



25

Incident Energy (MeV)

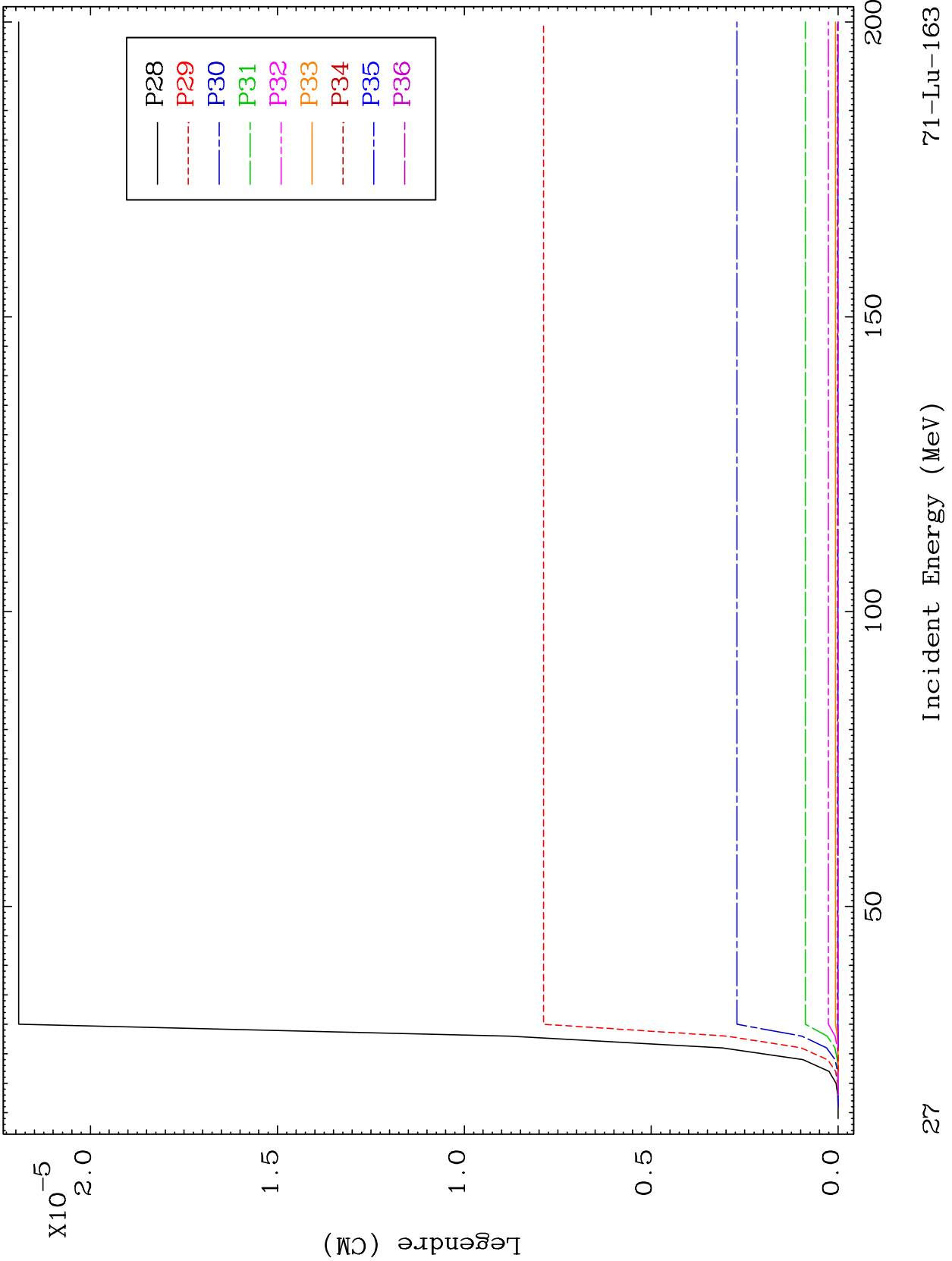
71-Lu-163



MAT 7089

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

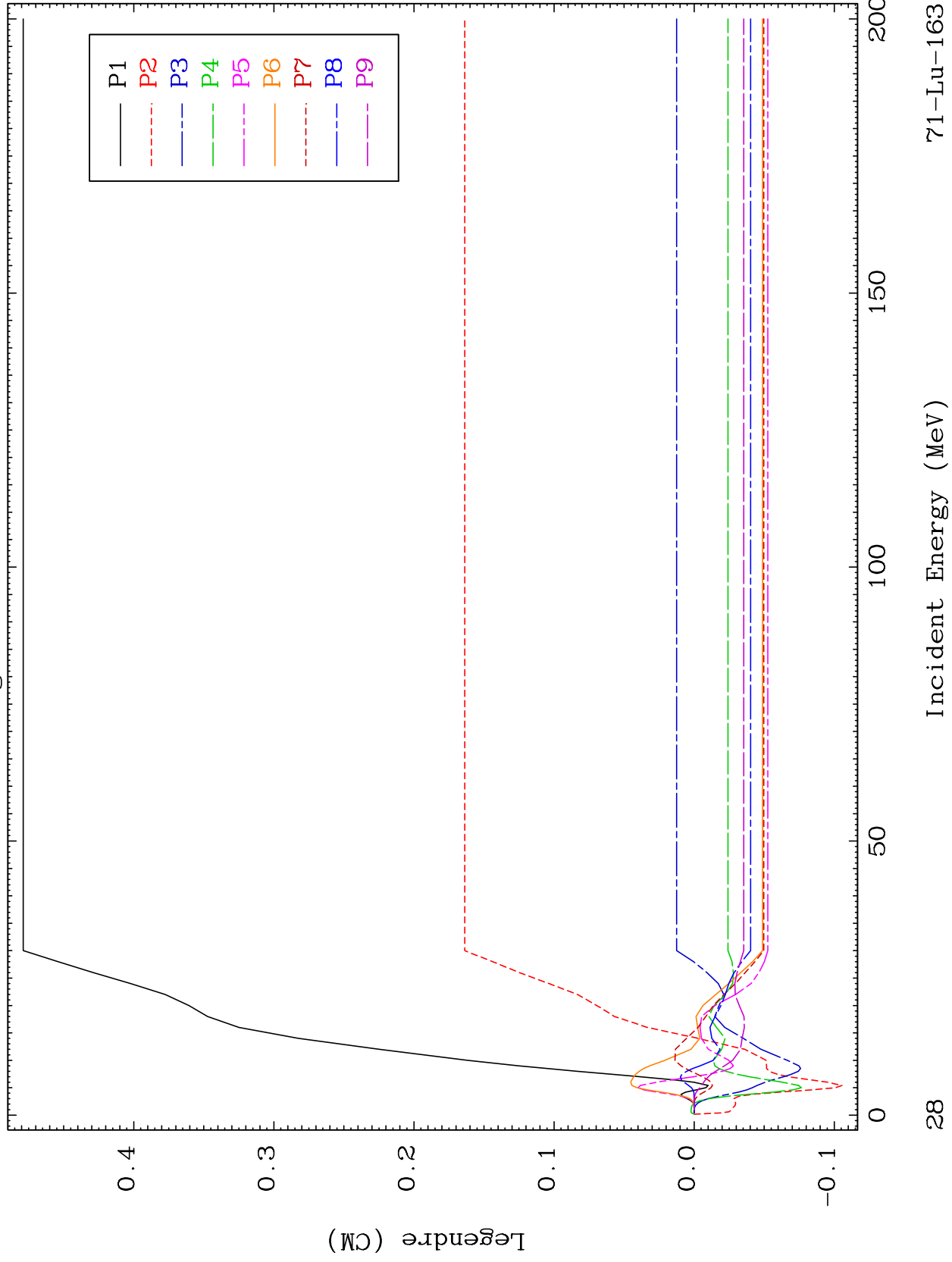
71-Lu-163



MAT 7089

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

71-Lu-163



71-Lu-163

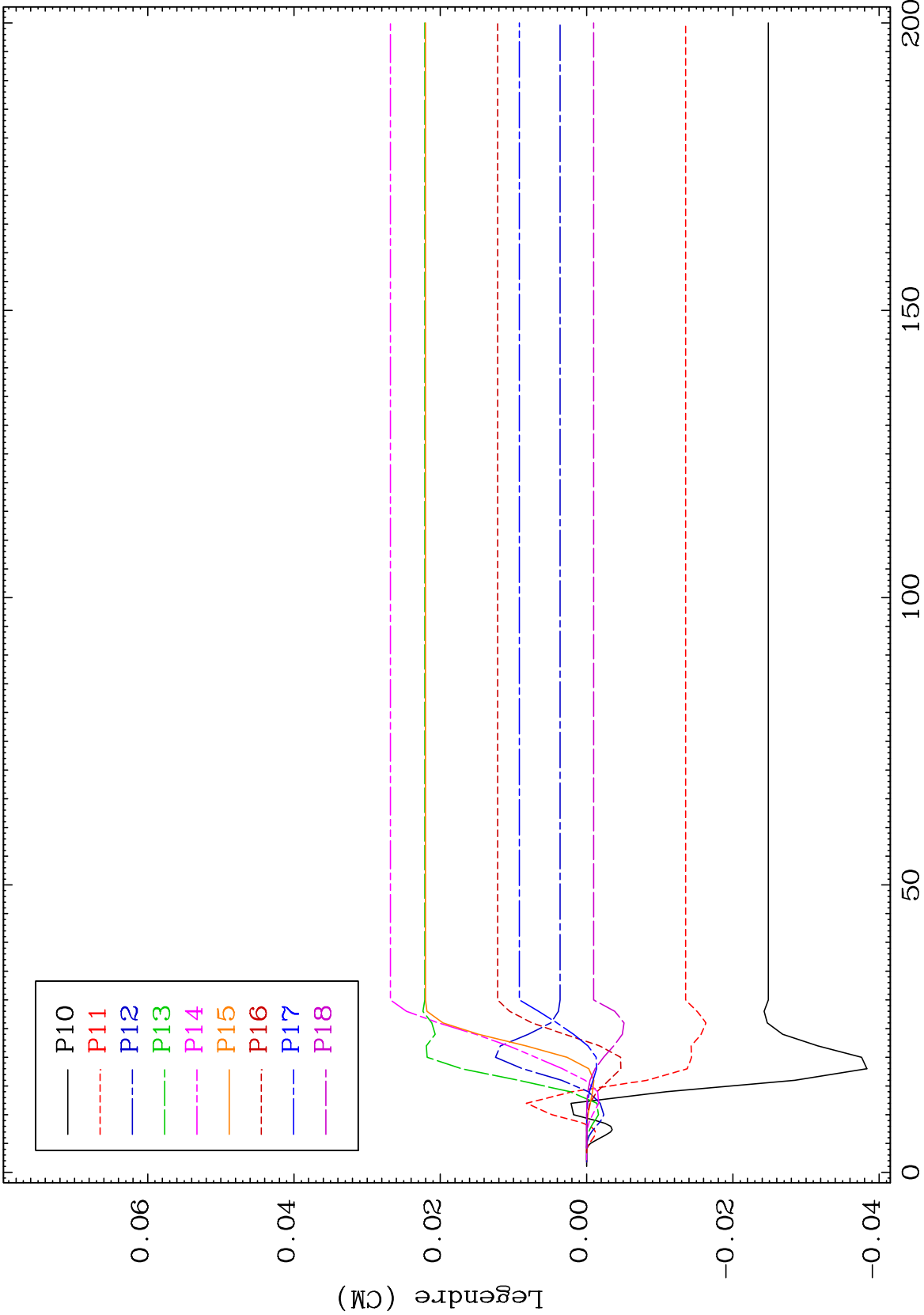
Incident Energy (MeV)

28

MAT 7089

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

71-Lu-163



29

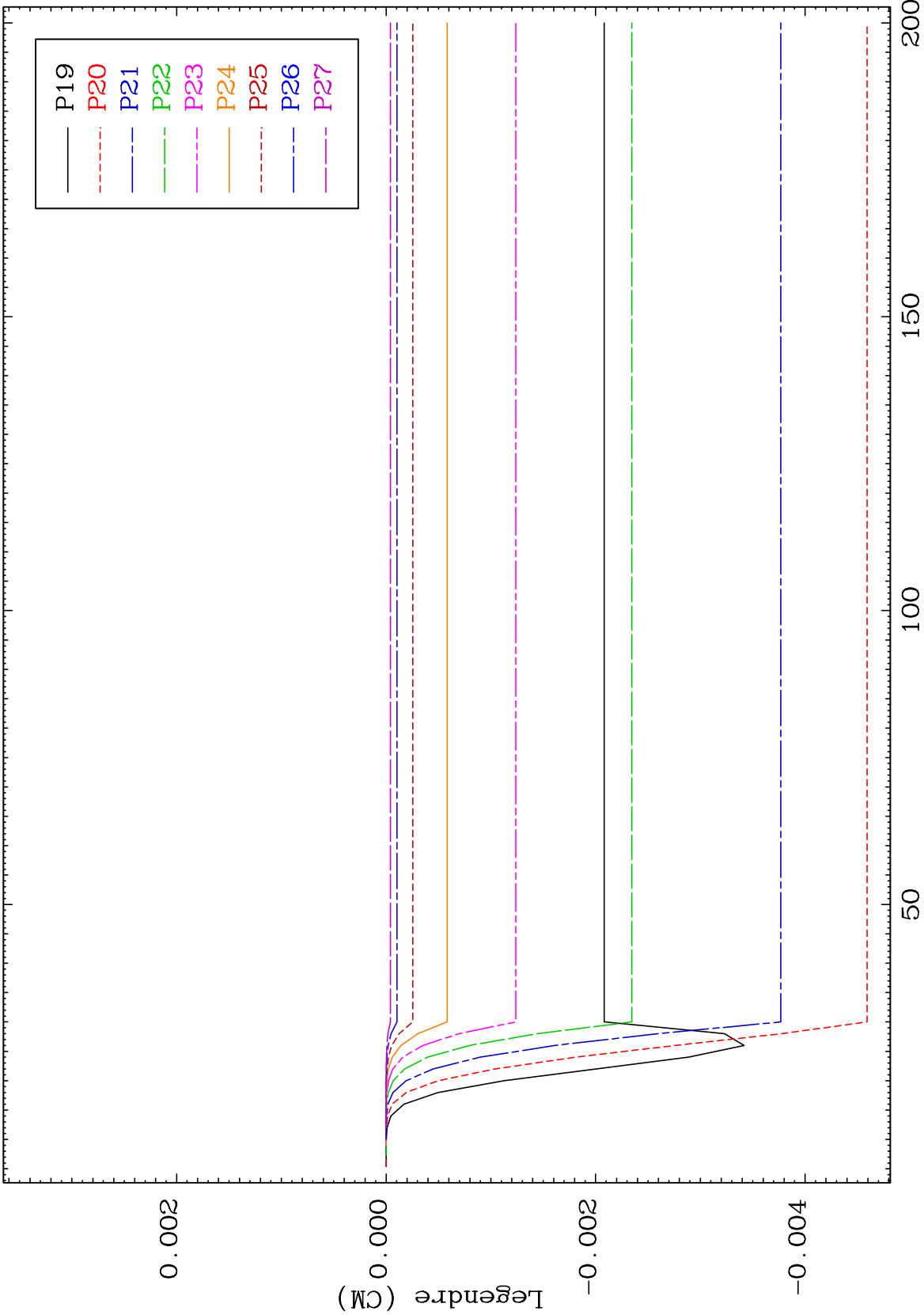
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

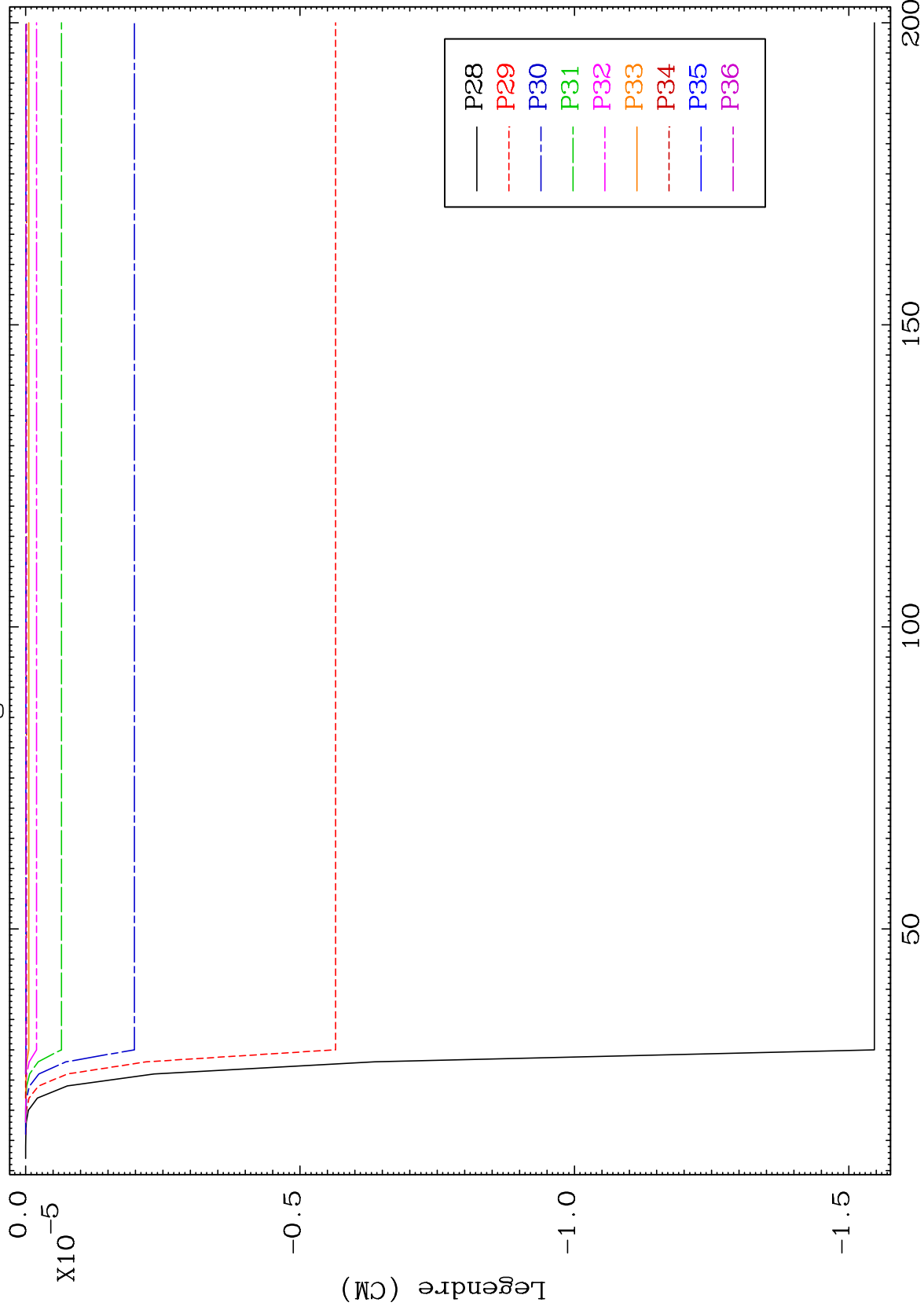
71-Lu-163



30

Incident Energy (MeV)

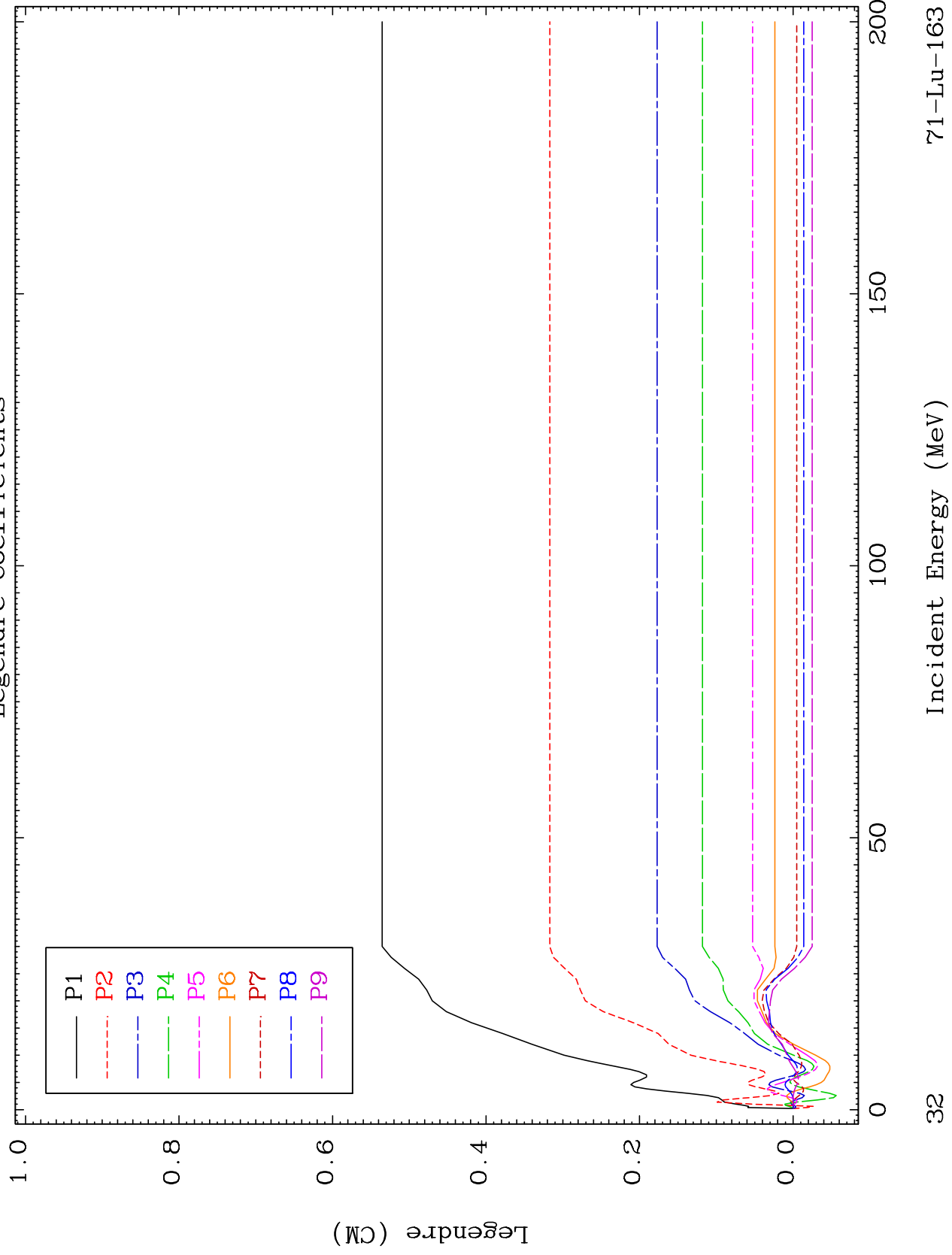
71-Lu-163



MAT 7089

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

71-Lu-163

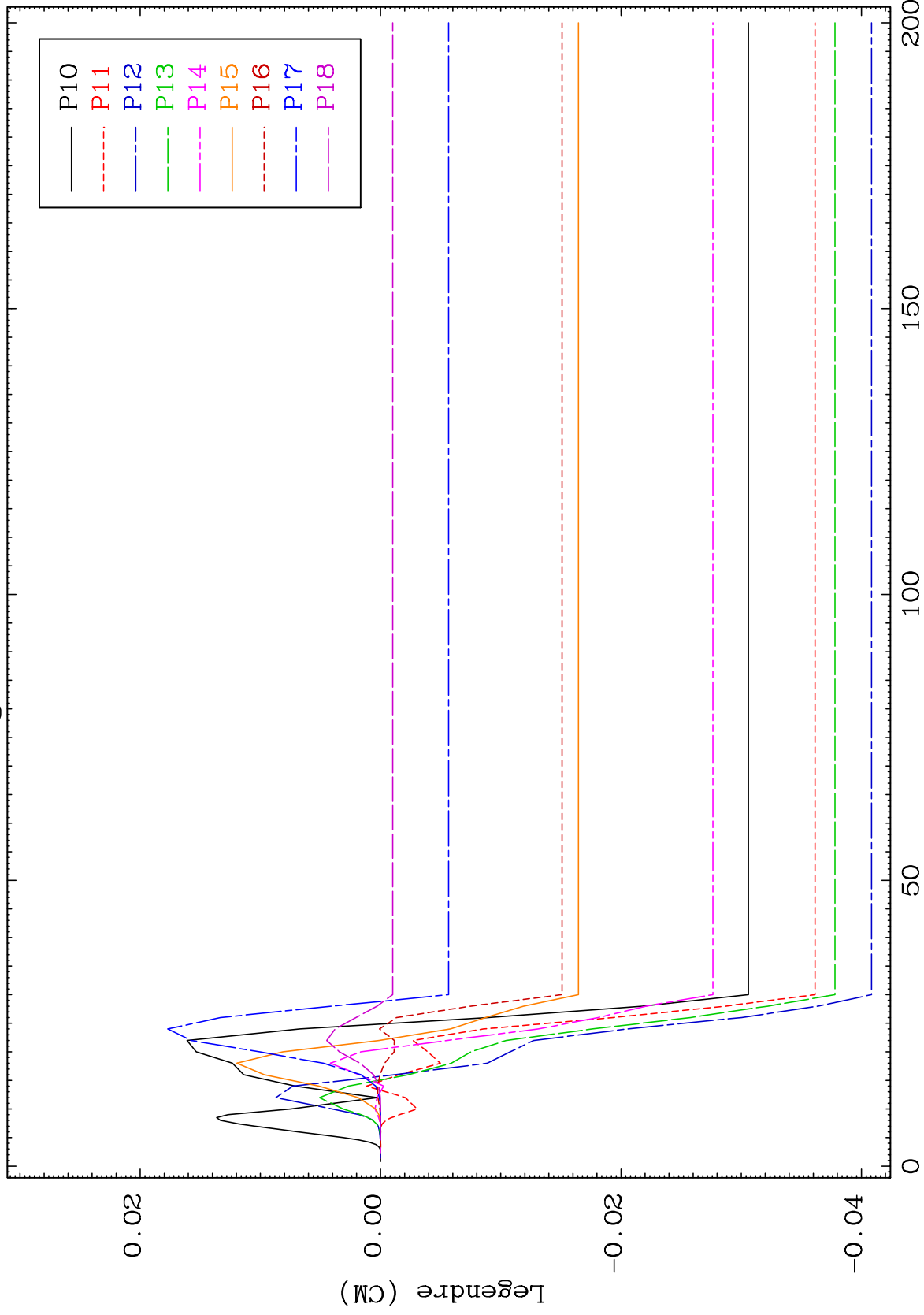


32

MAT 7089

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

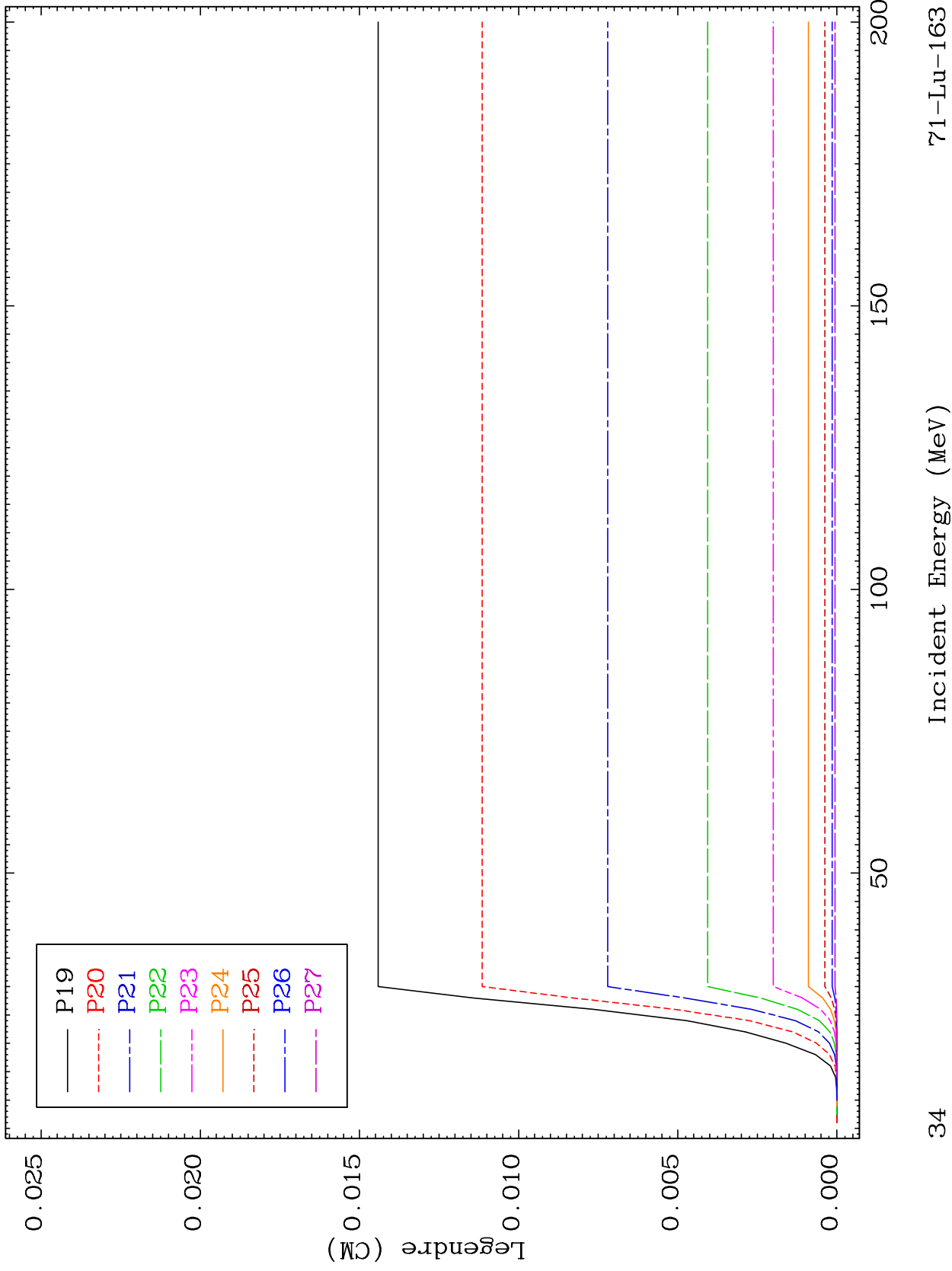
71-Lu-163



33

Incident Energy (MeV)

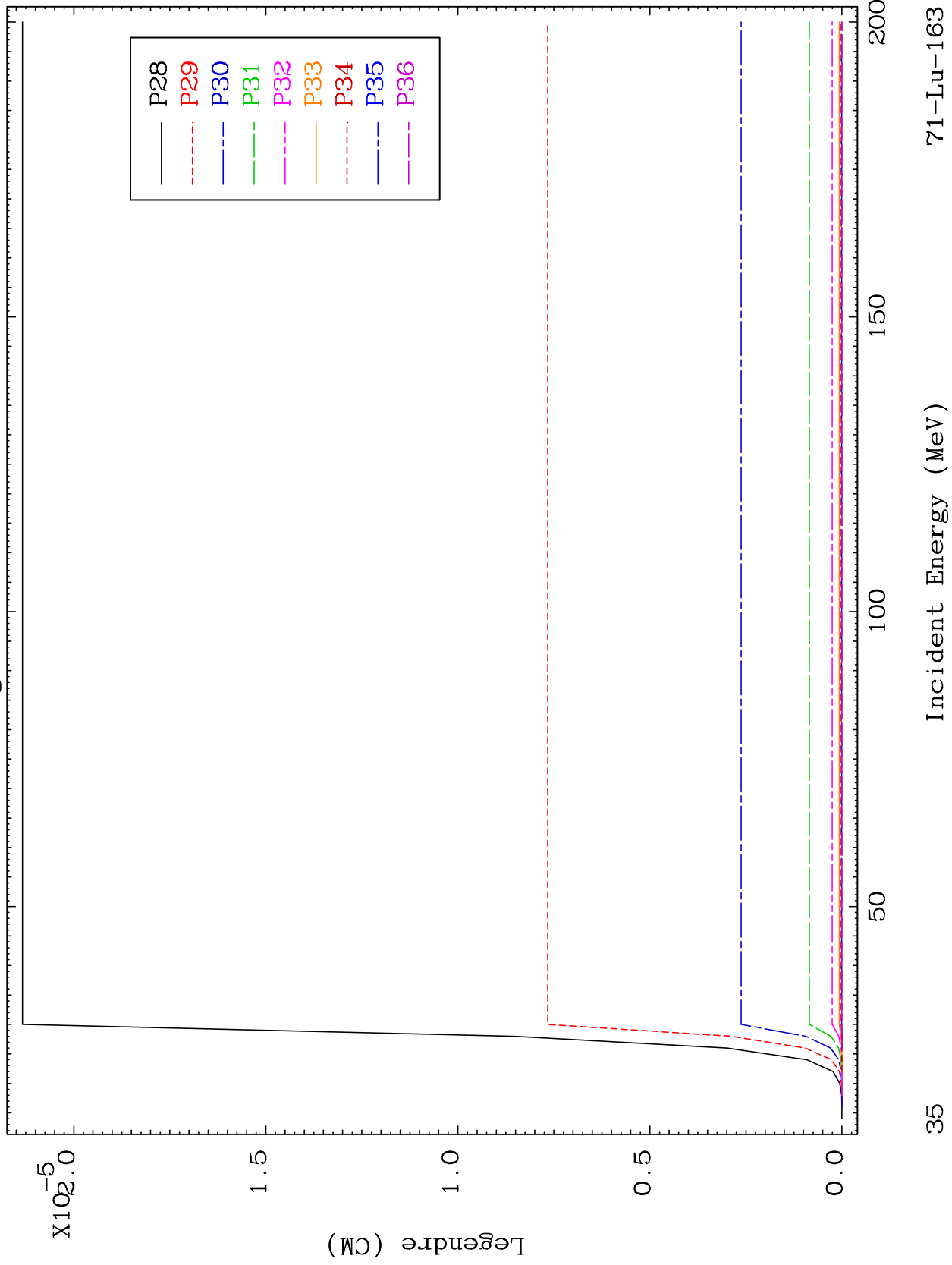
71-Lu-163



MAT 7089

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

71-Lu-163



71-Lu-163

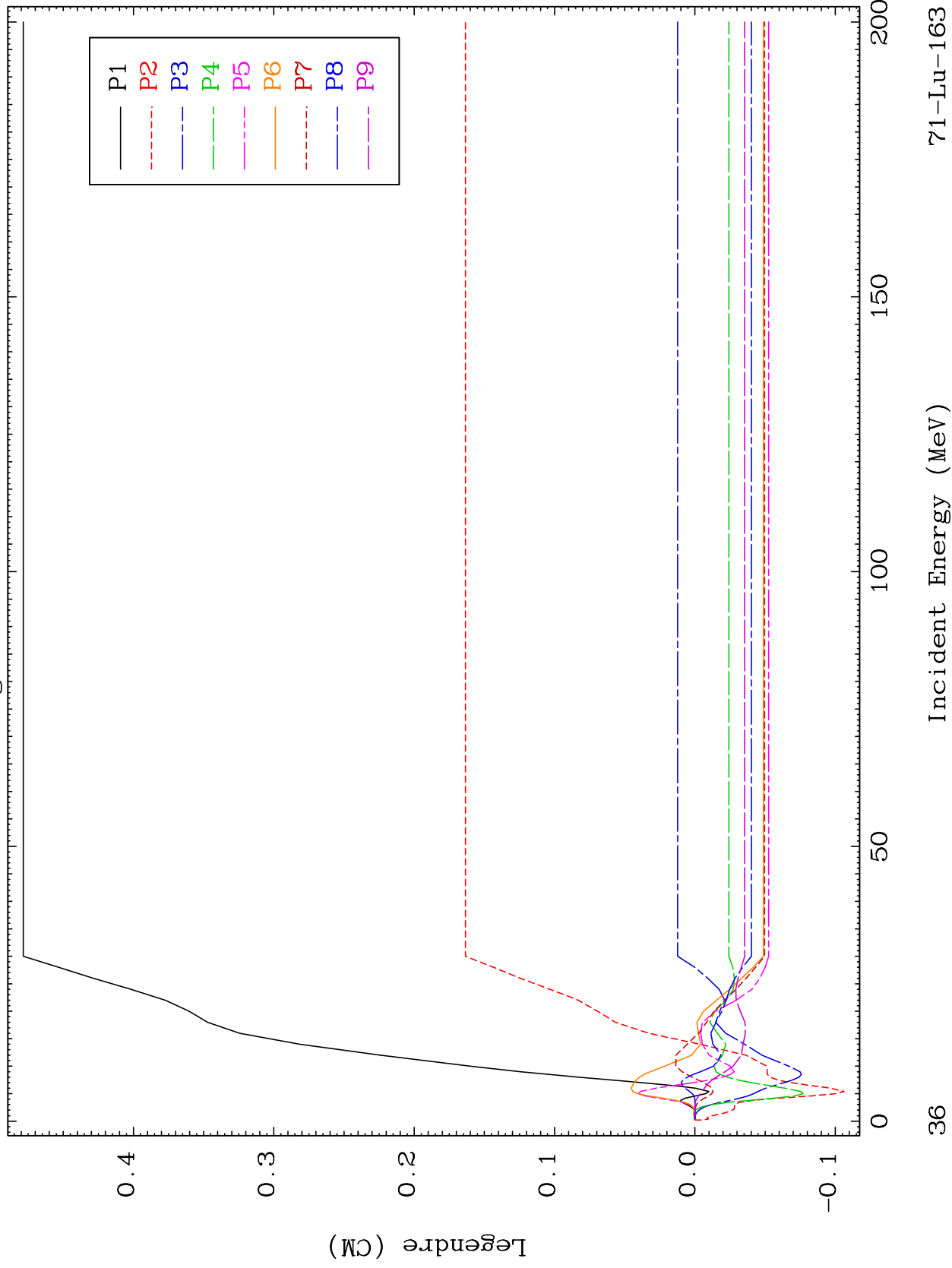
Incident Energy (MeV)

35

MAT 7089

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

71-Lu-163



71-Lu-163

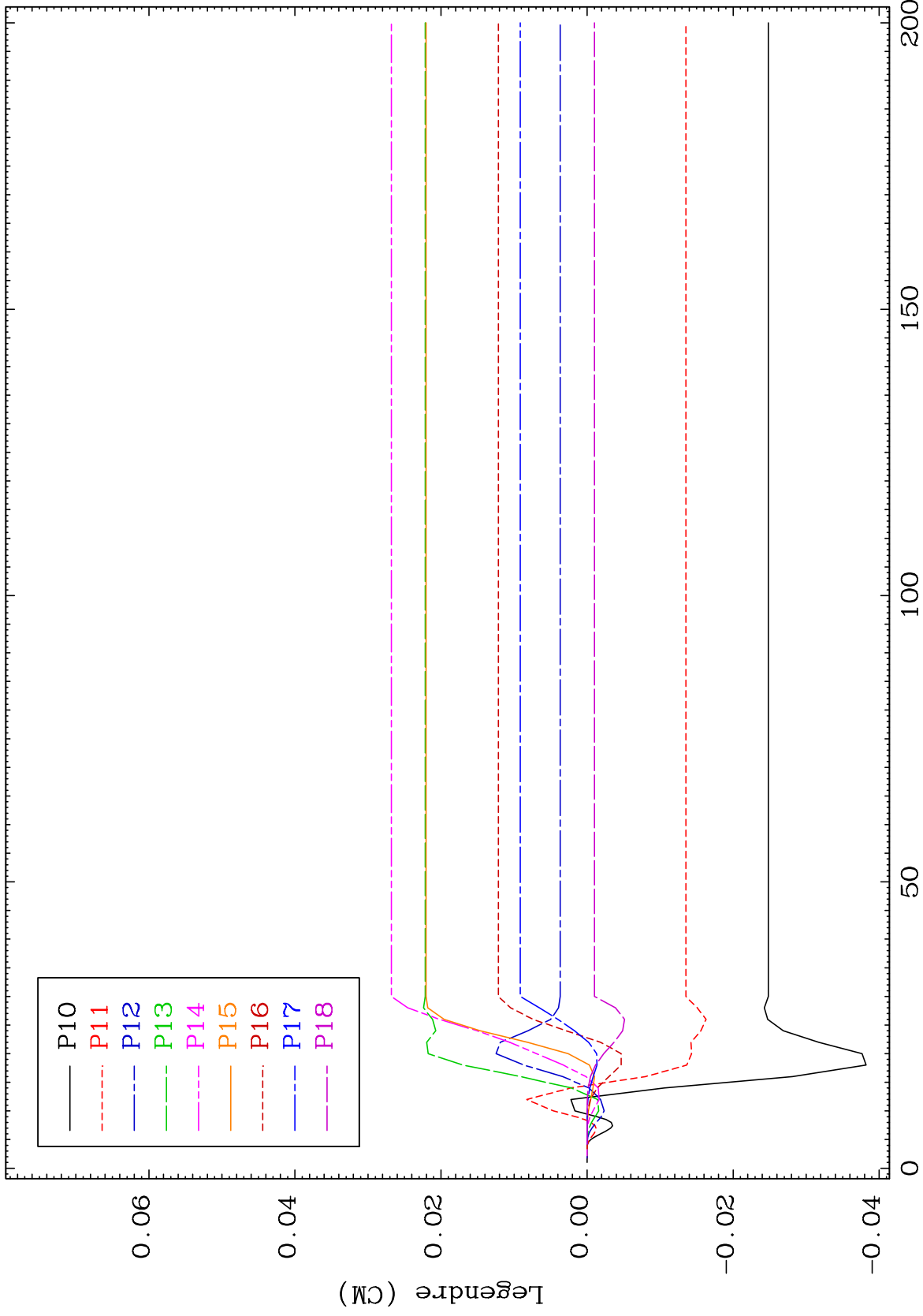
Incident Energy (MeV)

36

MAT 7089

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

71-Lu-163



37

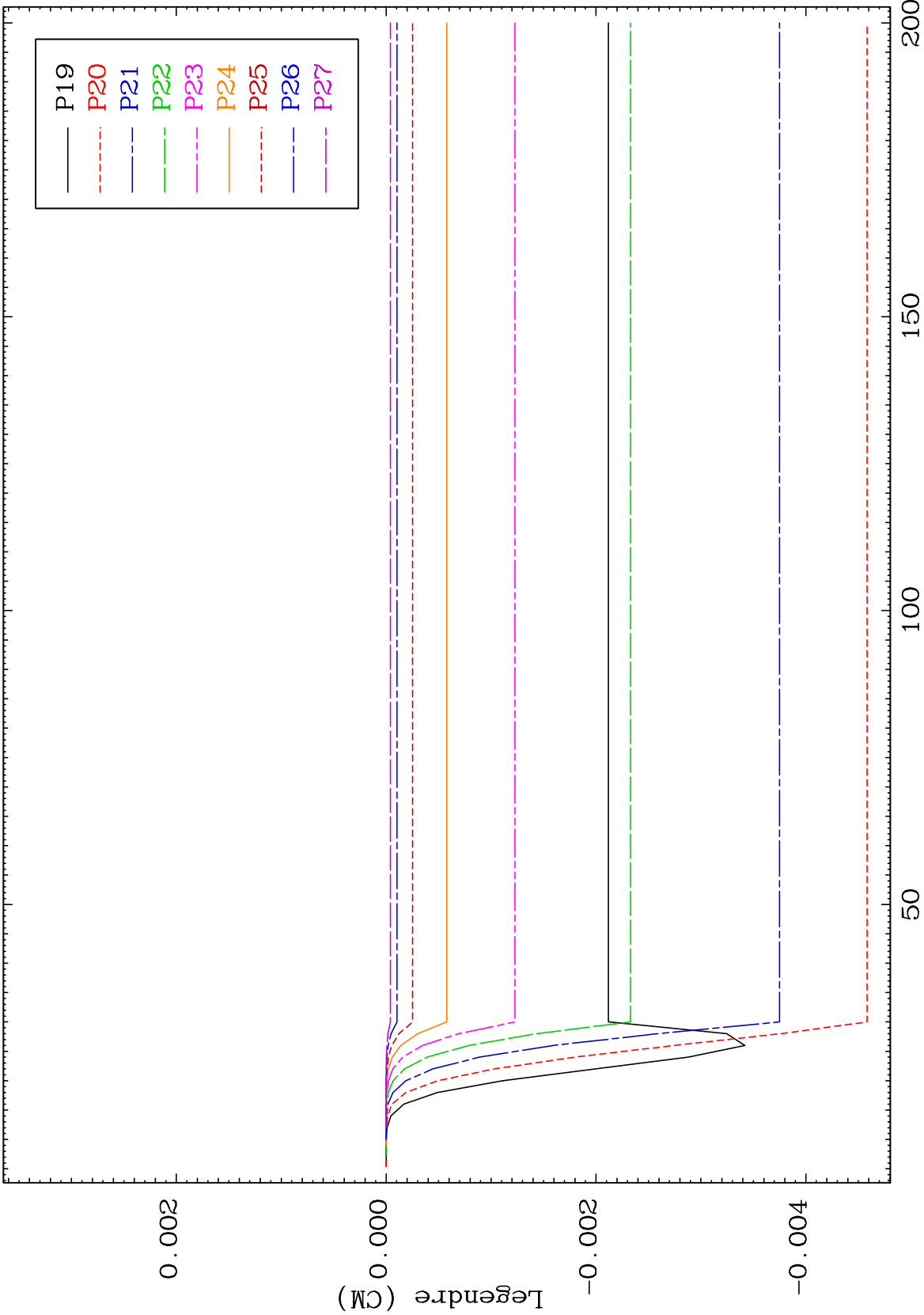
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



38

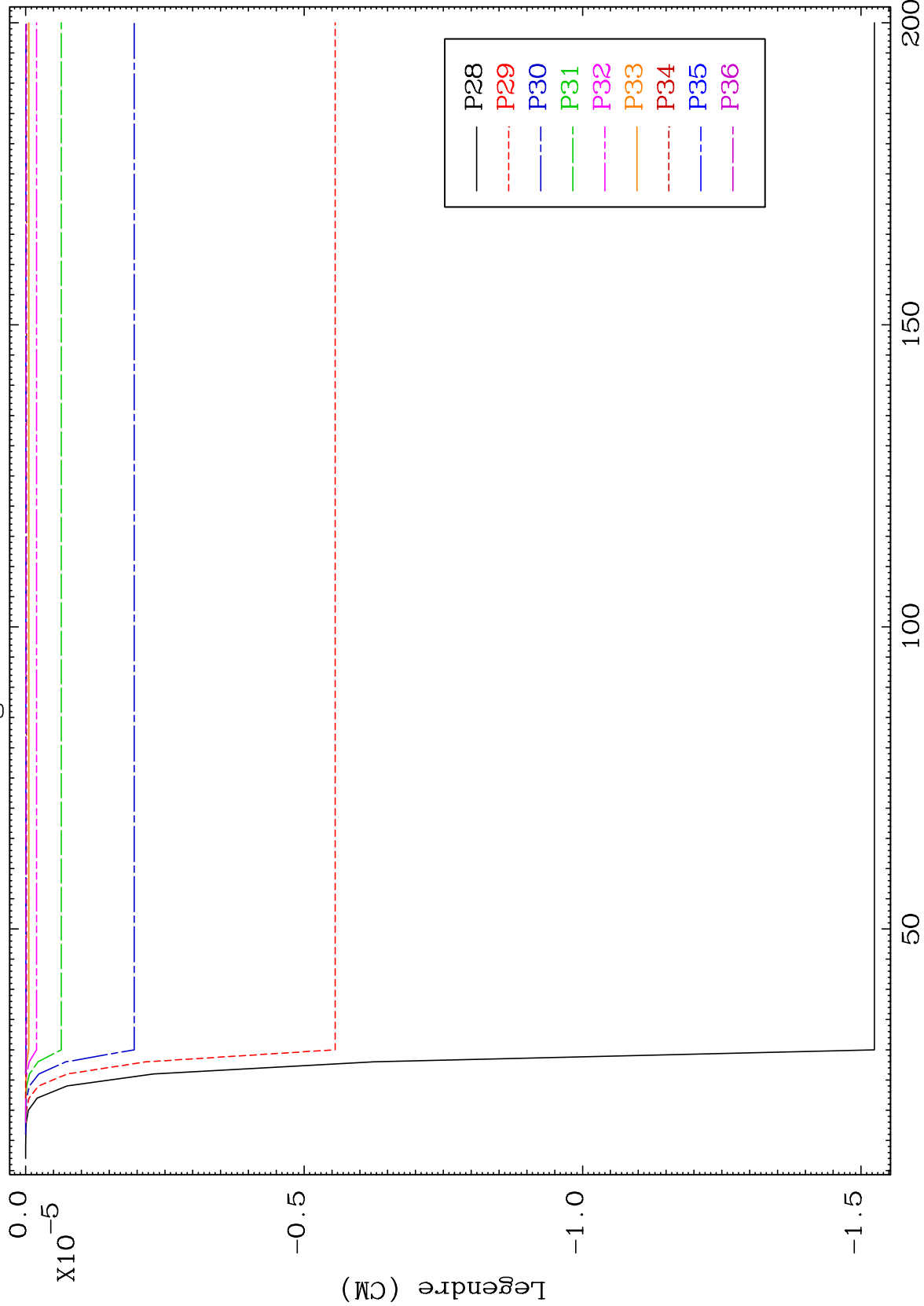
Incident Energy (MeV)

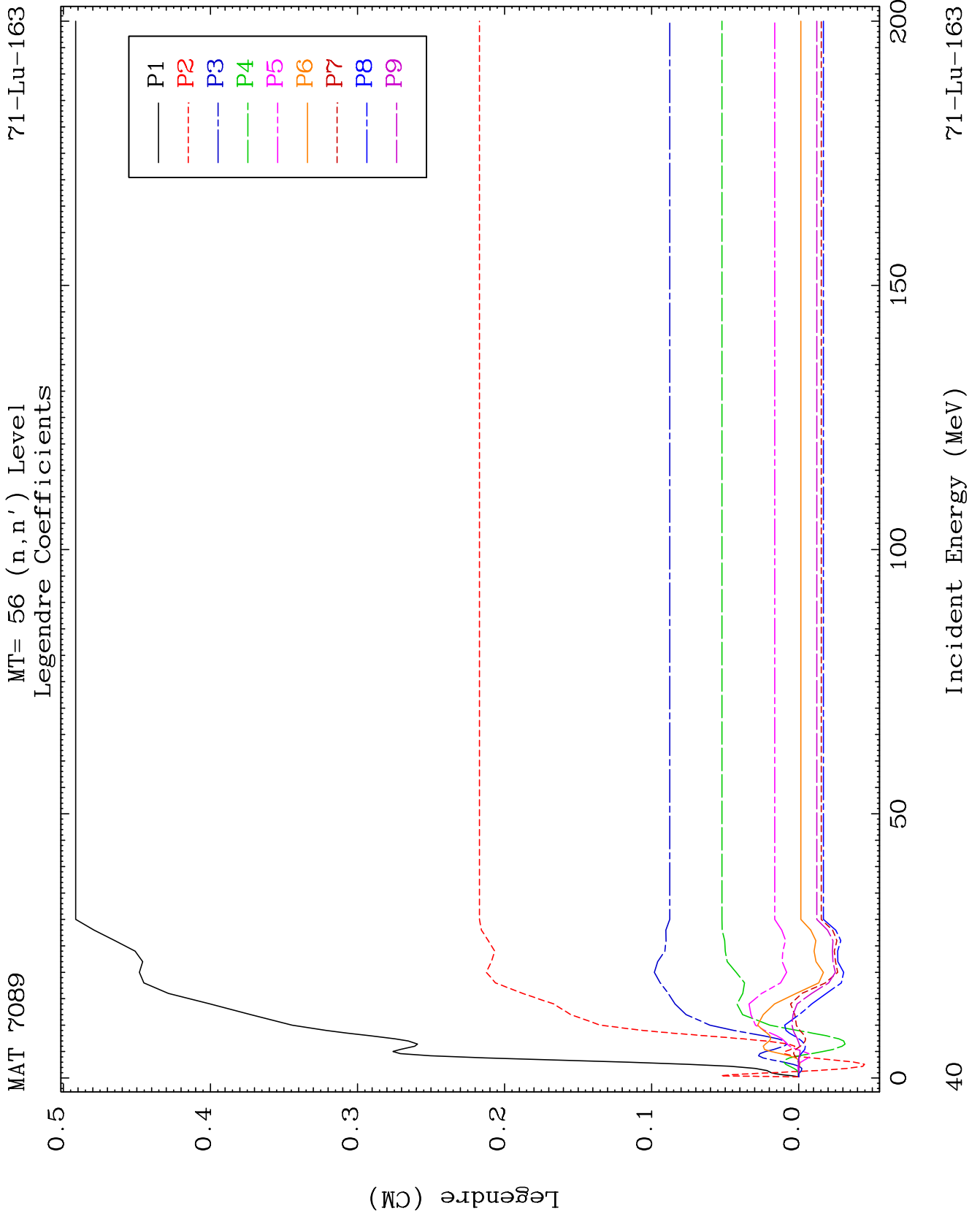
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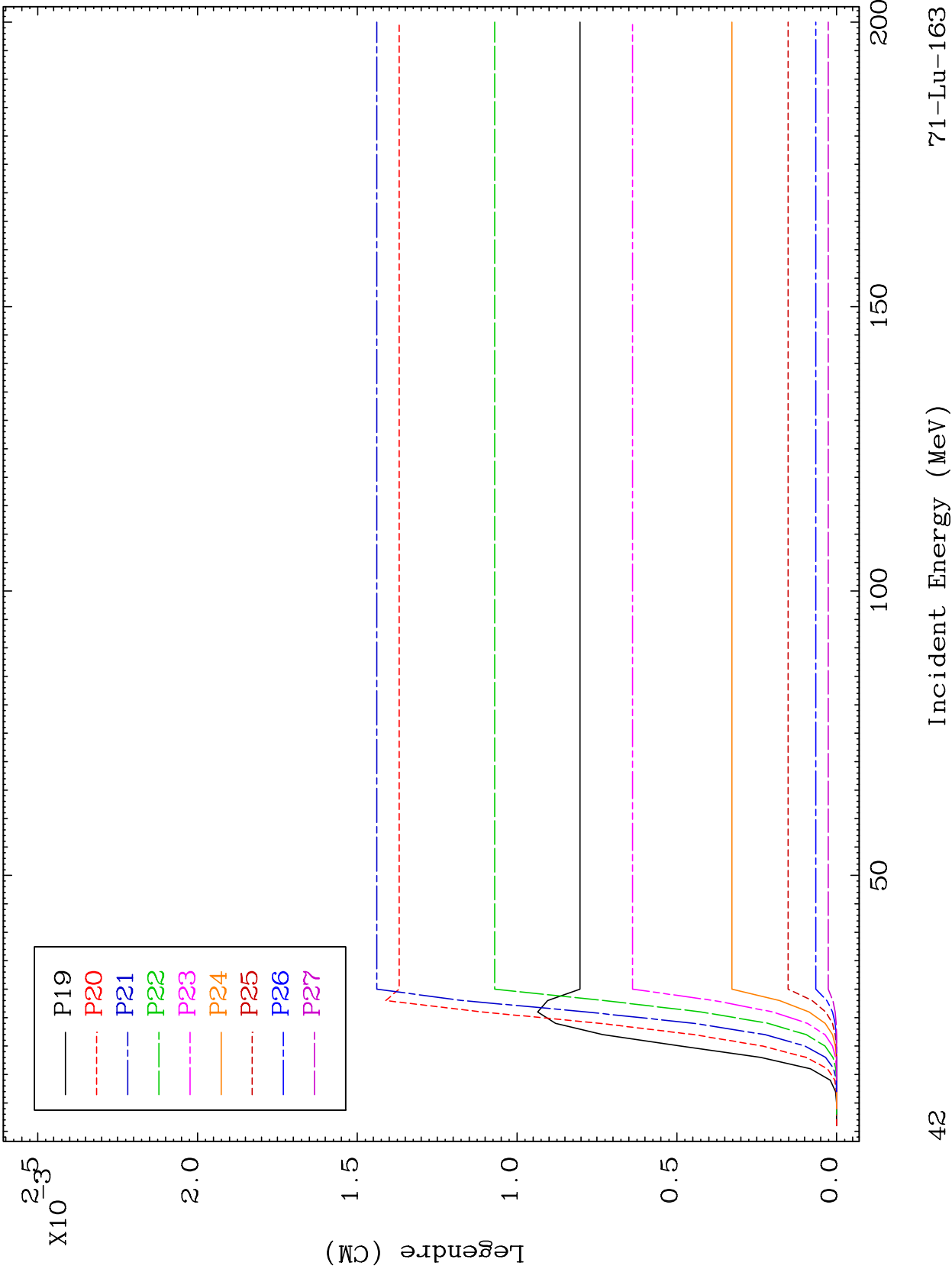
MAT 7089

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

71-Lu-163



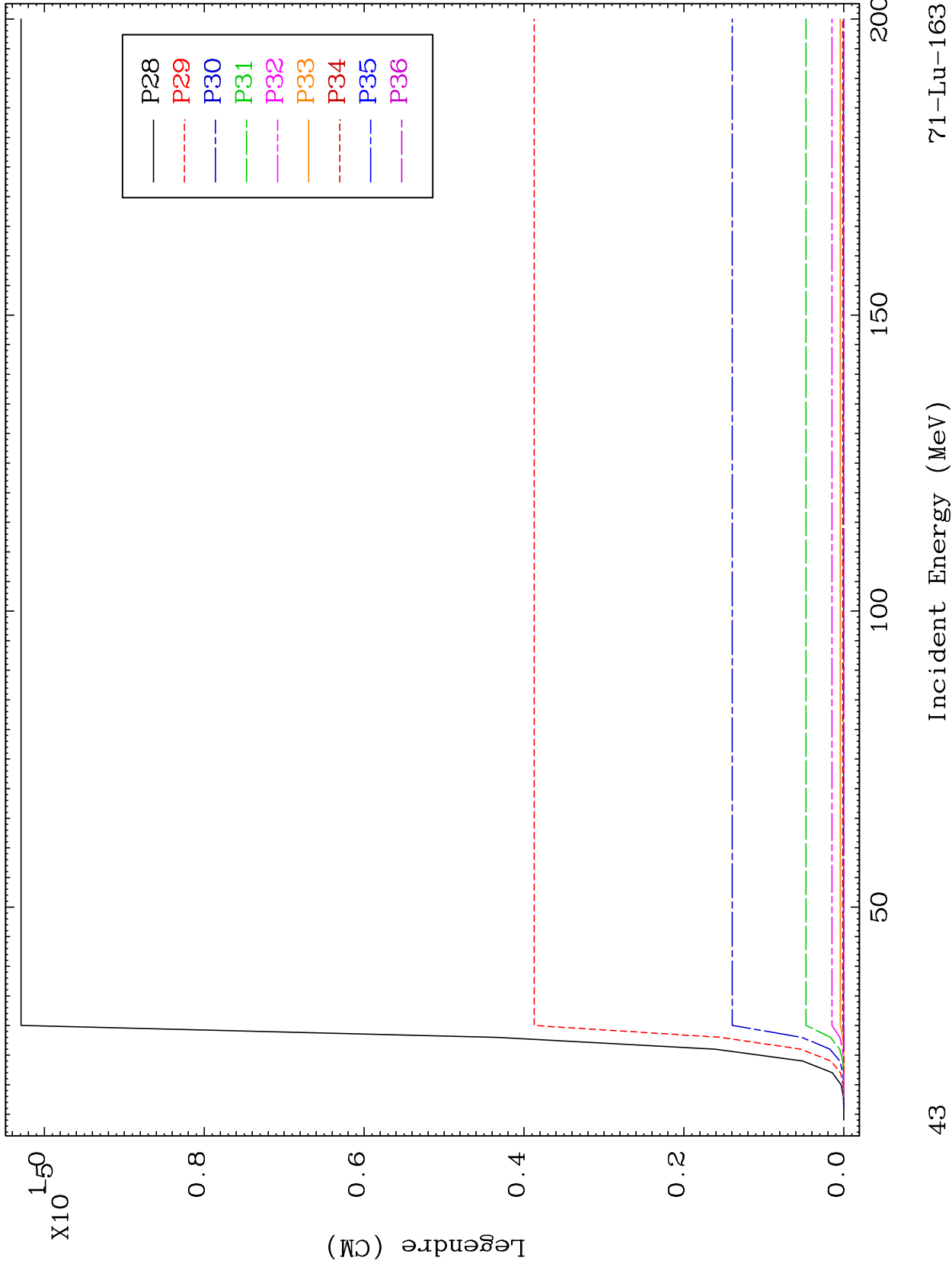




MAT 7089

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

71-Lu-163



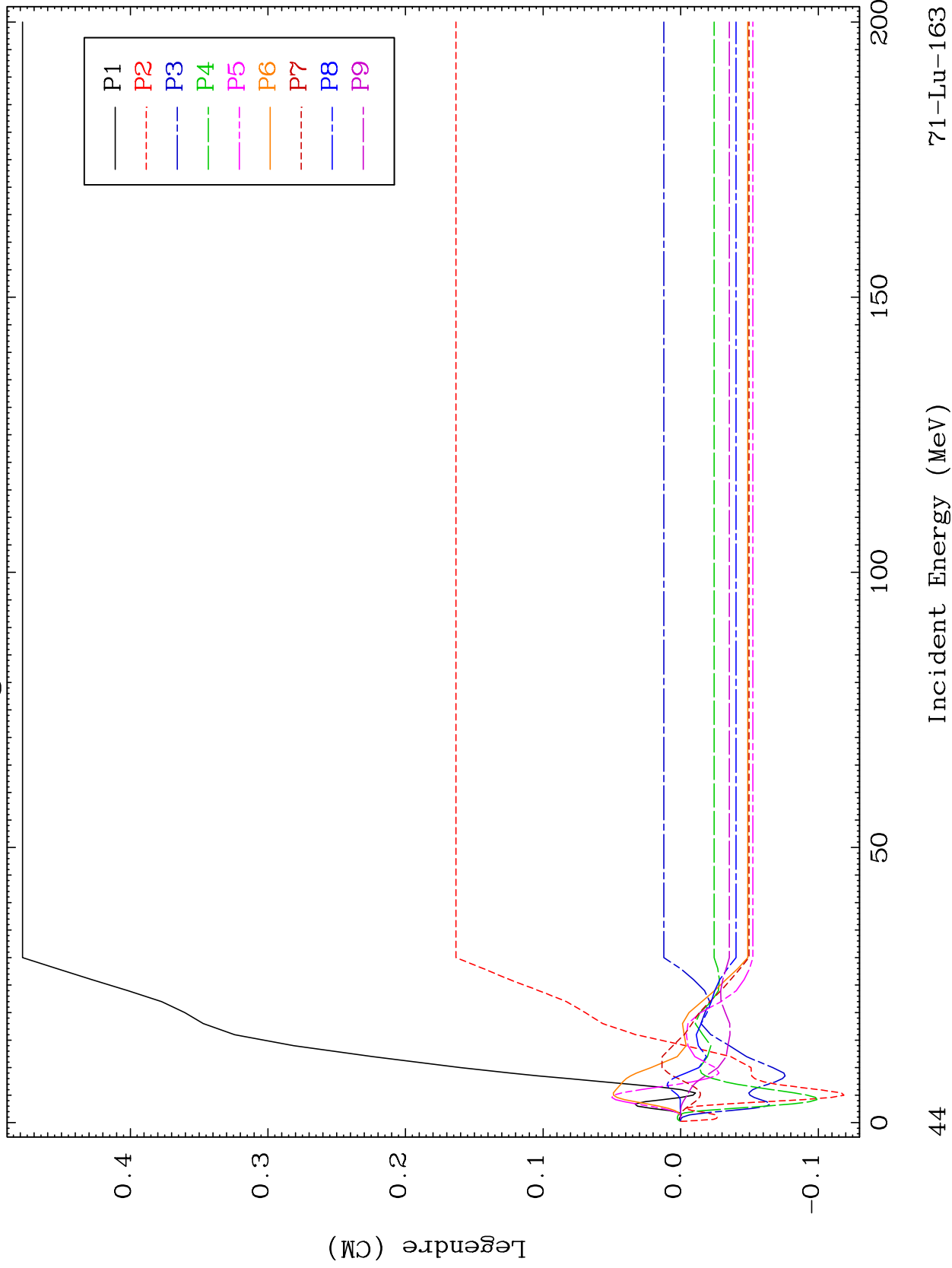
43

71-Lu-163

MAT 7089

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

71-Lu-163



71-Lu-163

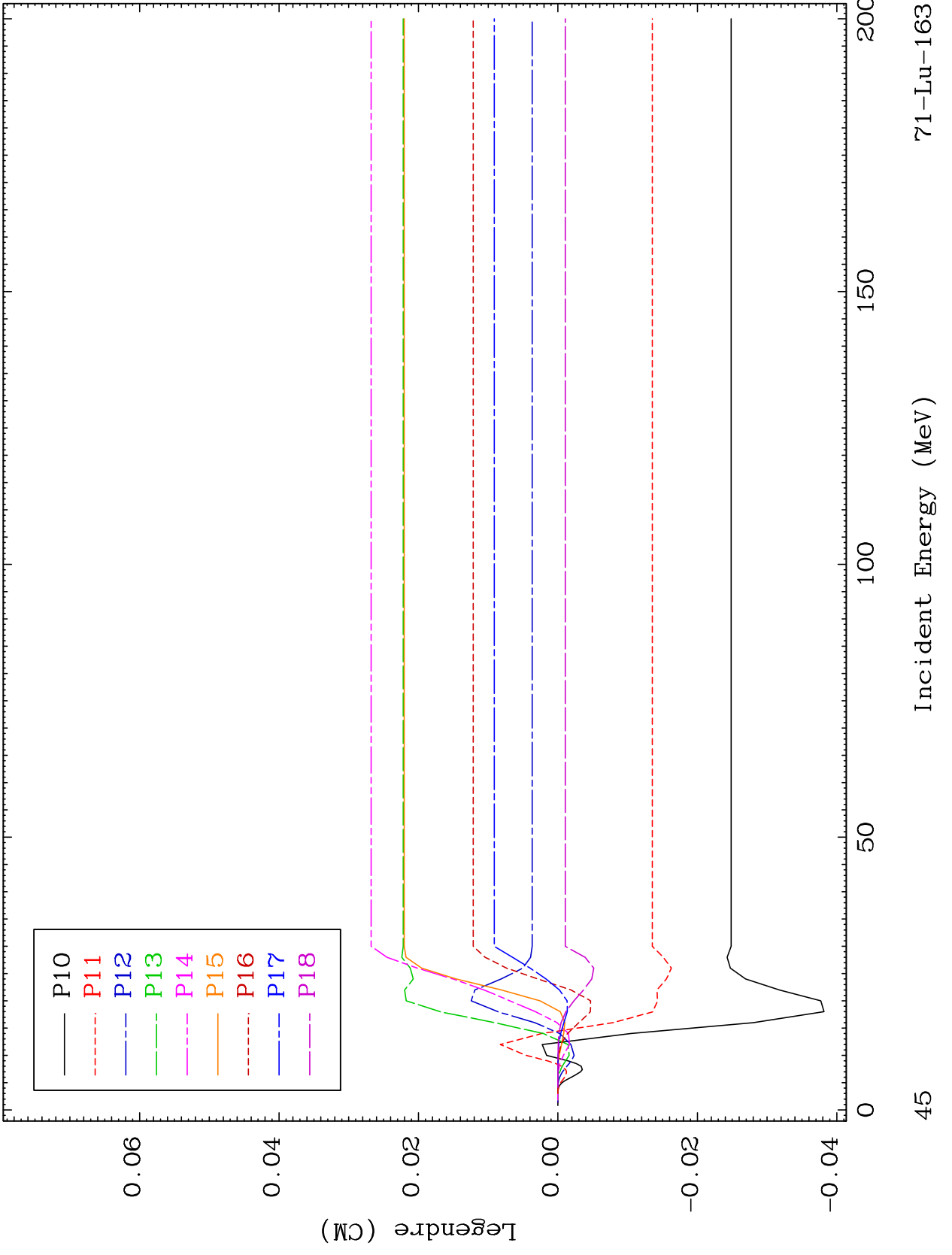
Incident Energy (MeV)

44

MAT 7089

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

71-Lu-163



71-Lu-163

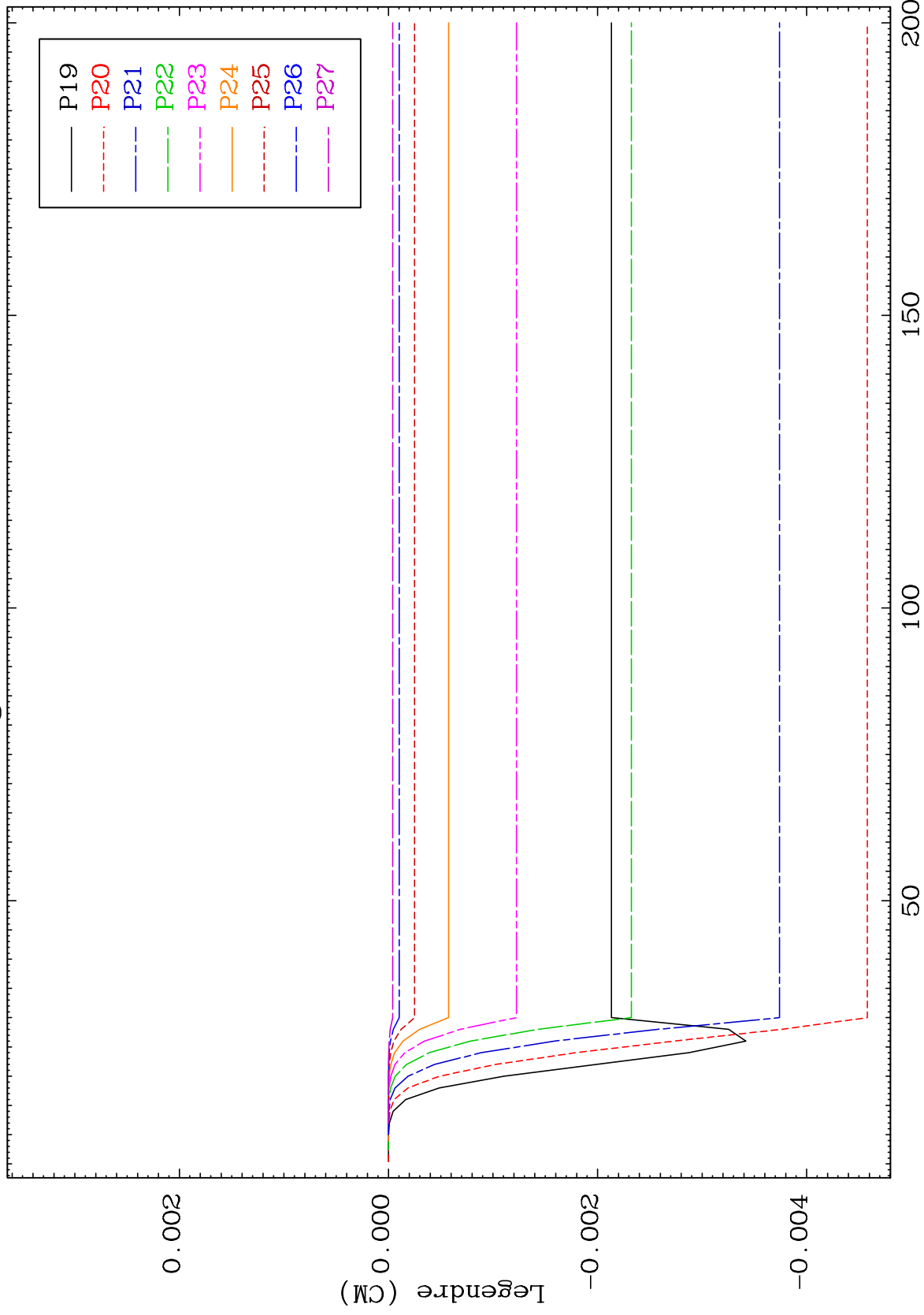
Incident Energy (MeV)

45

MAT 7089

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

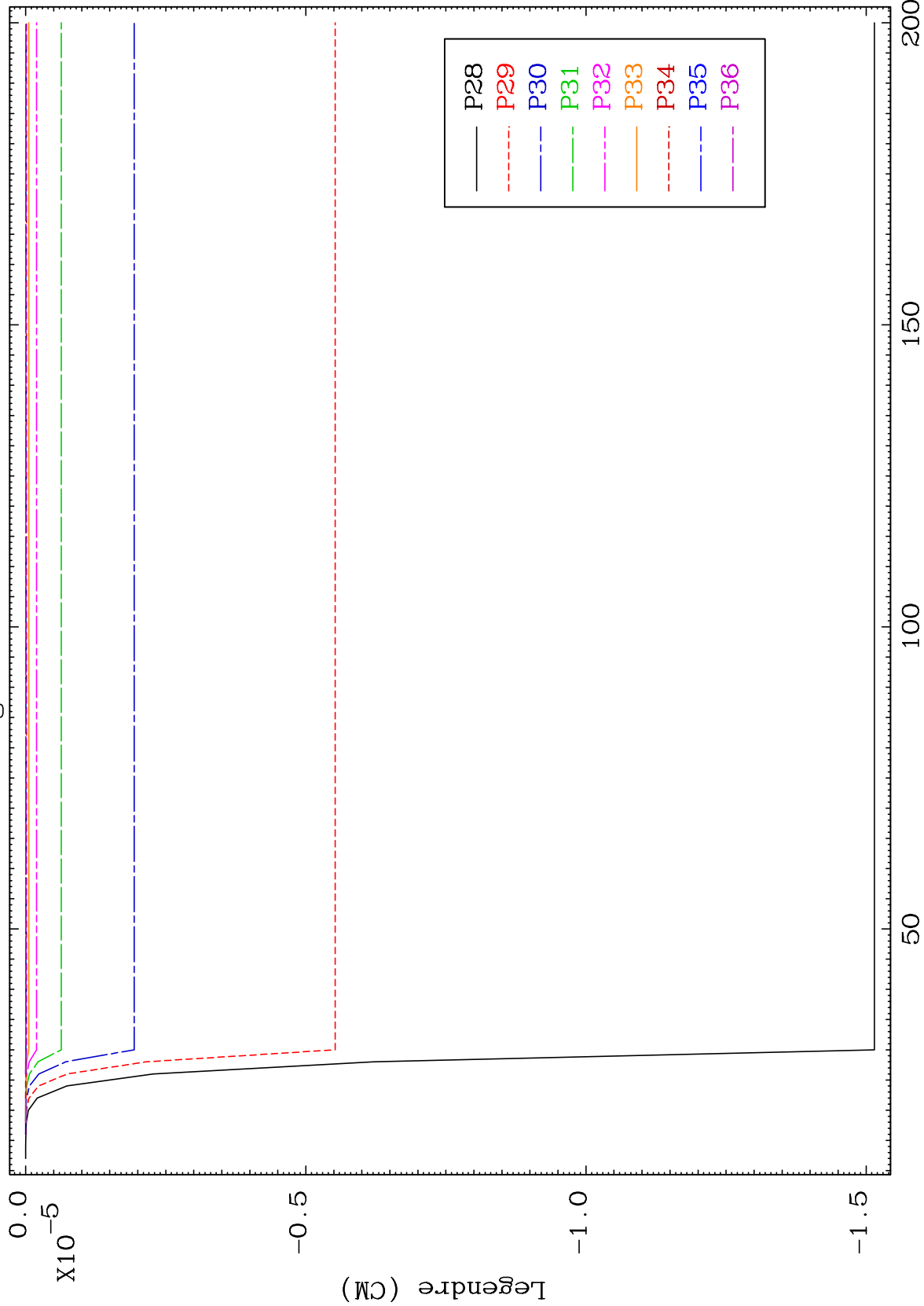
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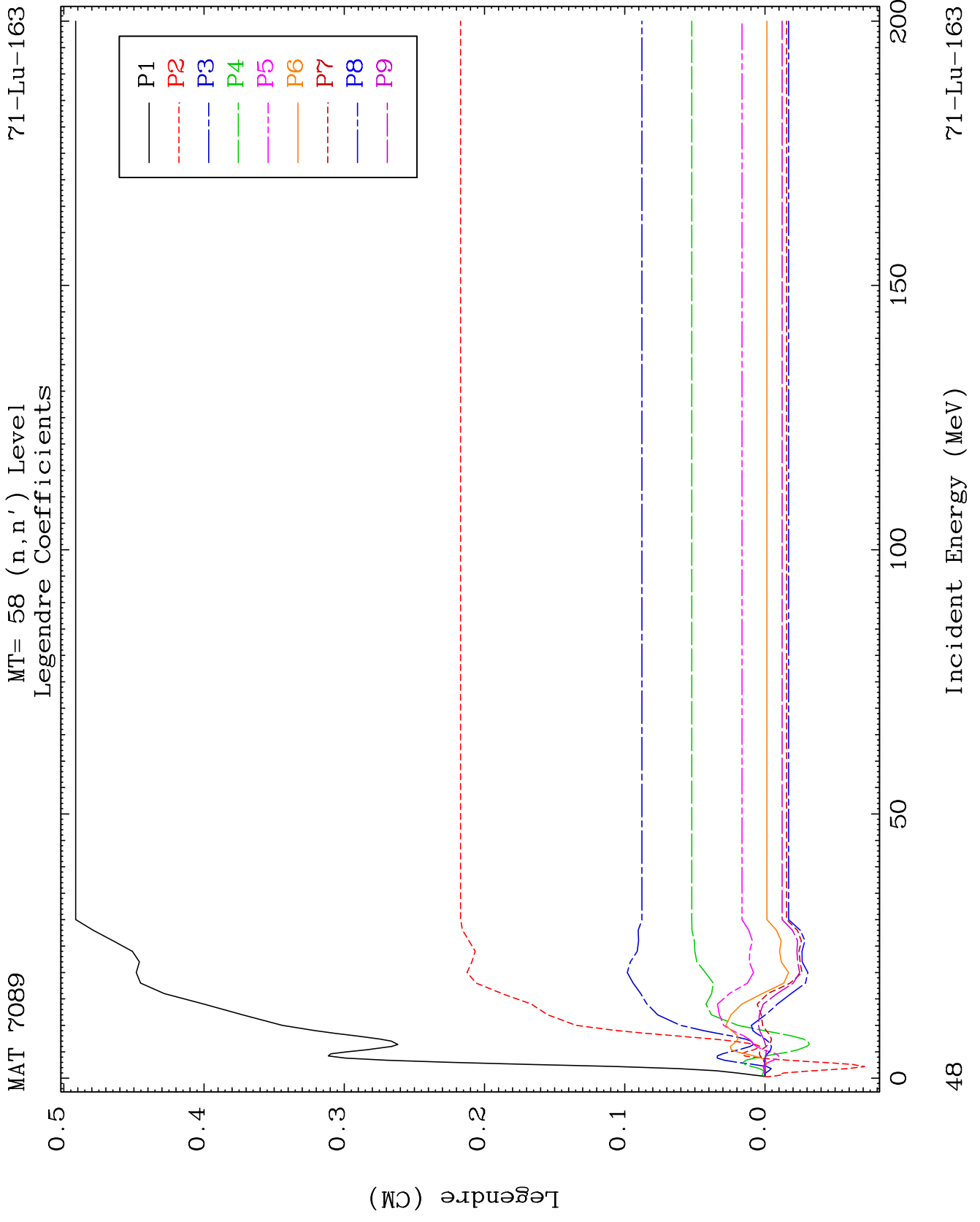


46

Incident Energy (MeV)

71-Lu-163

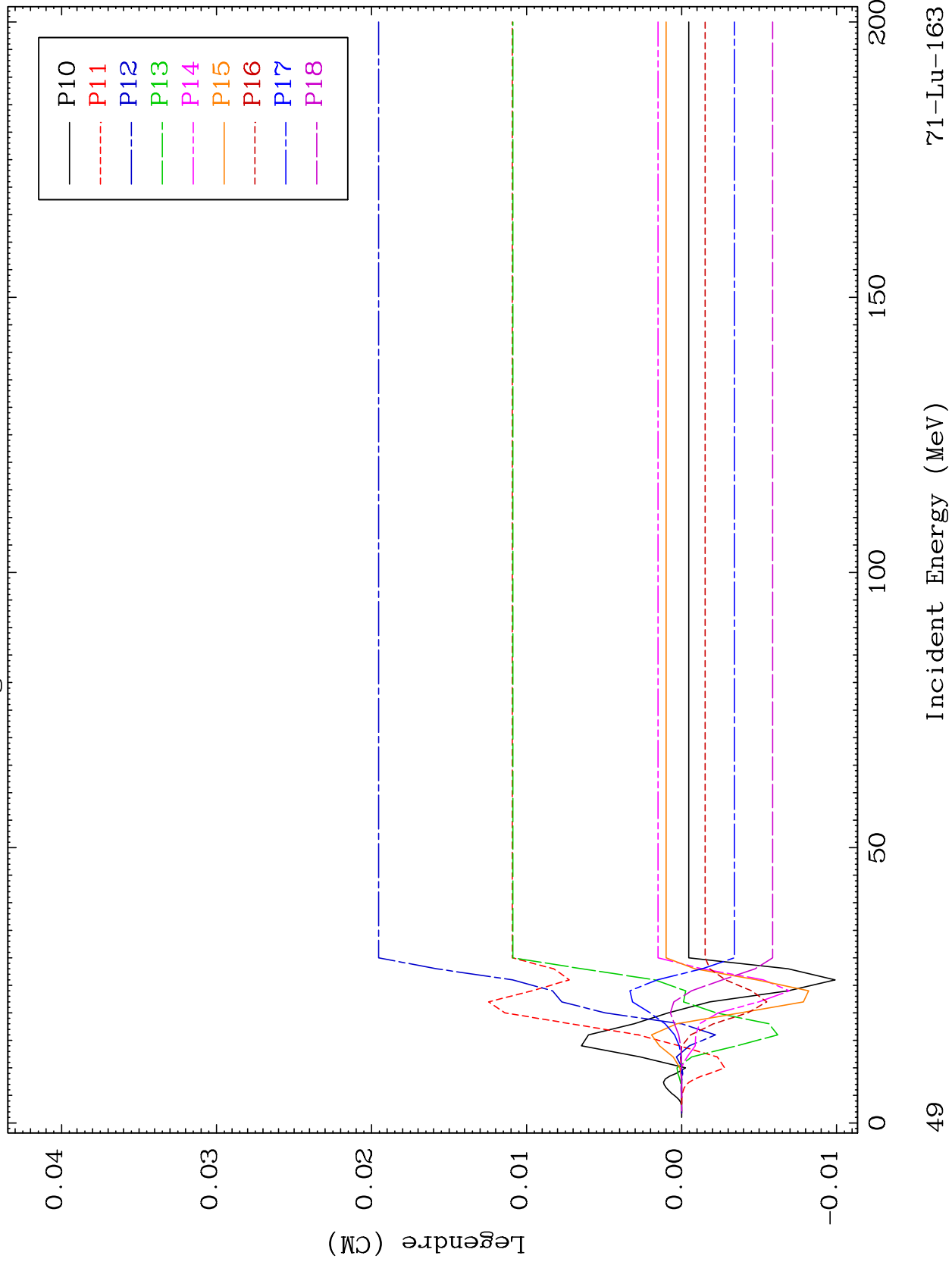




MAT 7089

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

71-Lu-163



71-Lu-163

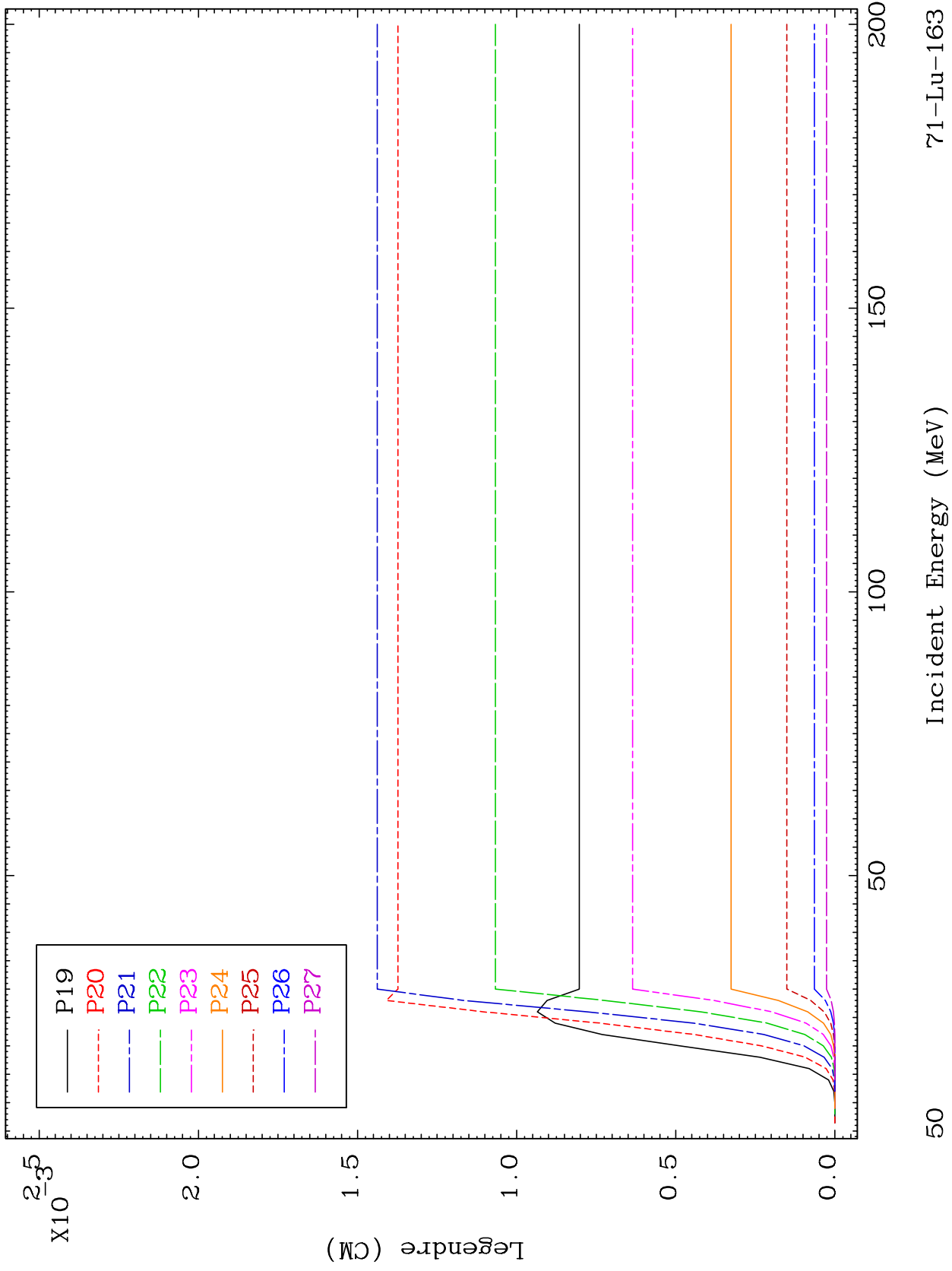
Incident Energy (MeV)

49

MAT 7089

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

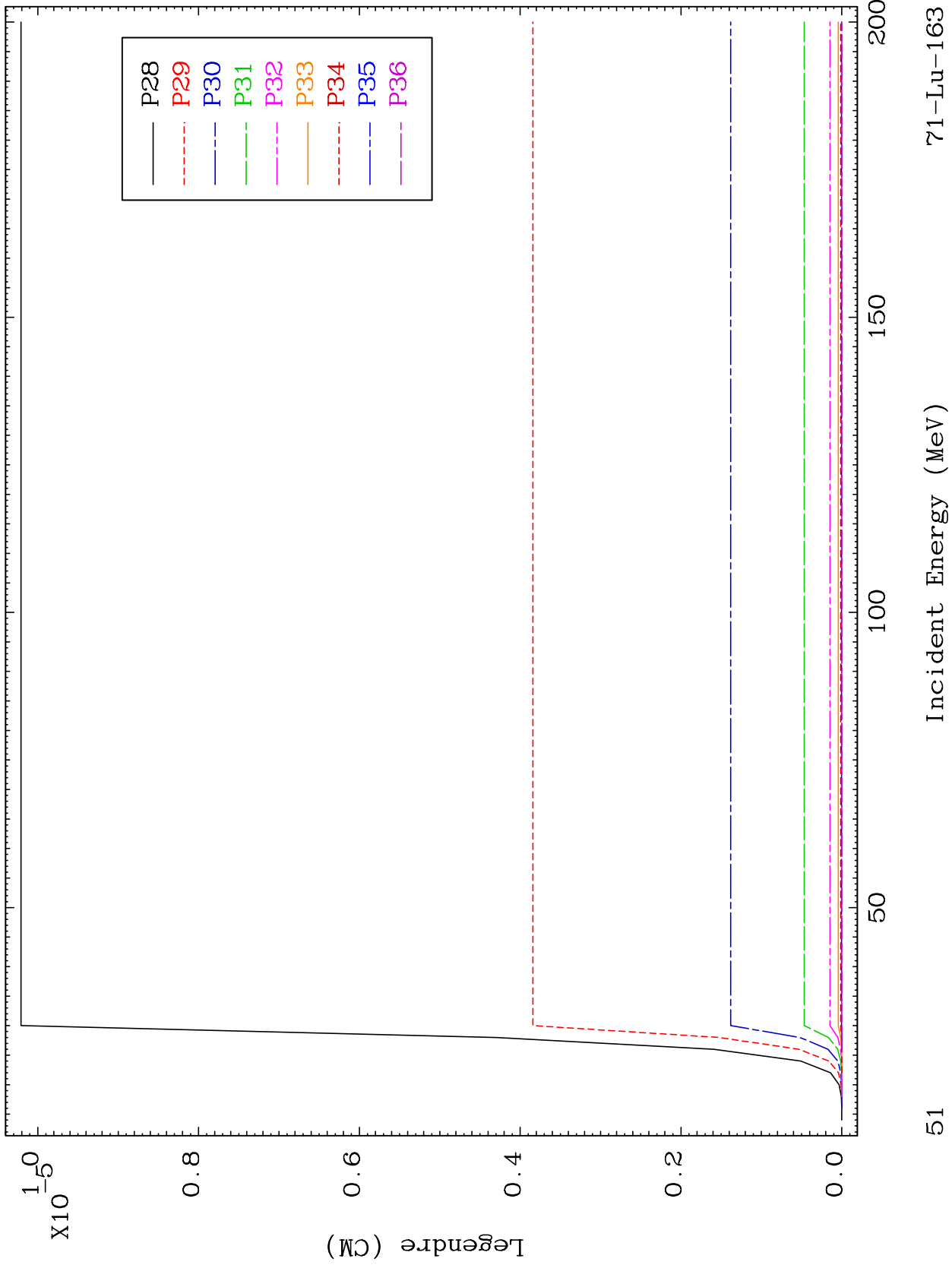
71-Lu-163



MAT 7089

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

71-Lu-163



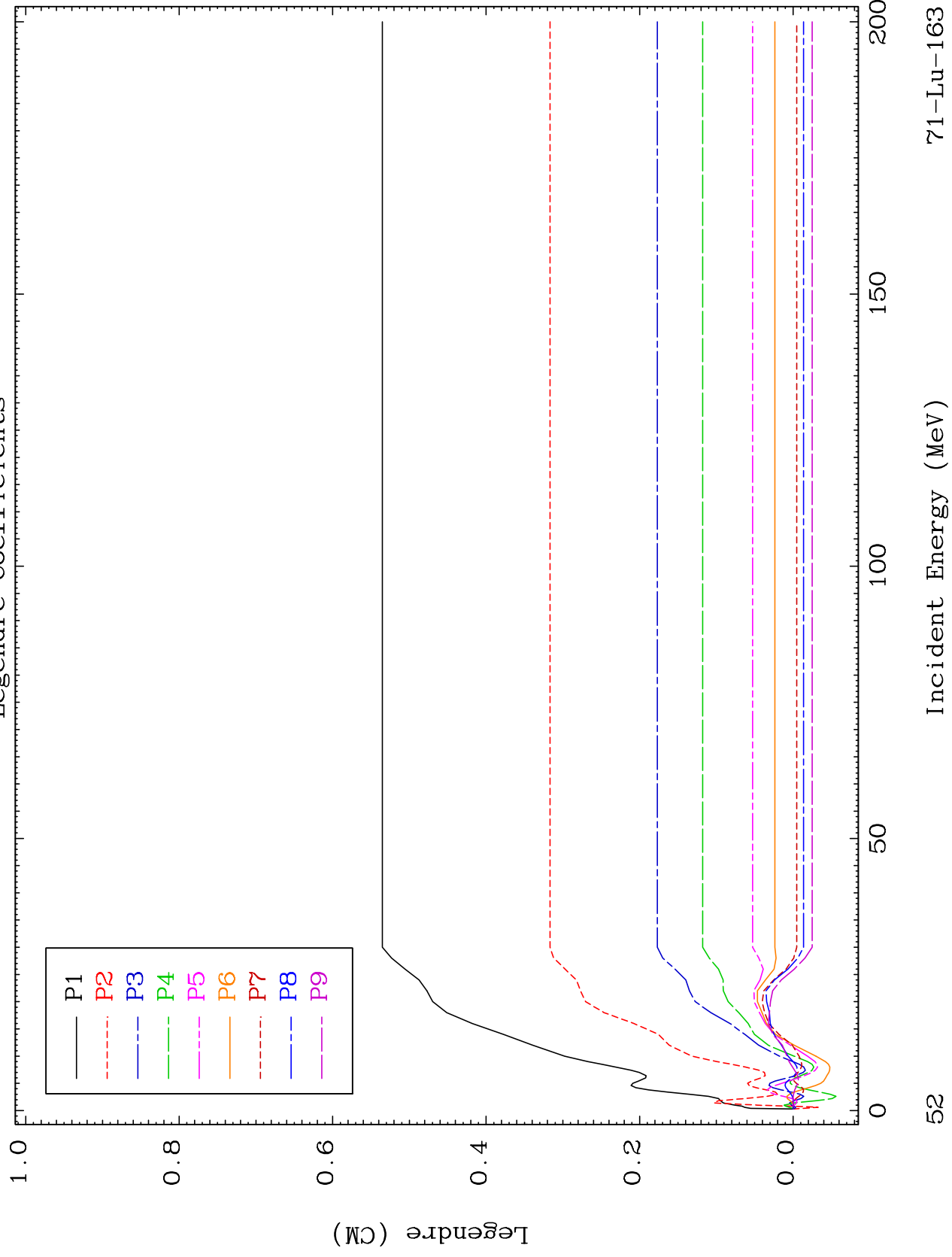
51

71-Lu-163

MAT 7089

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

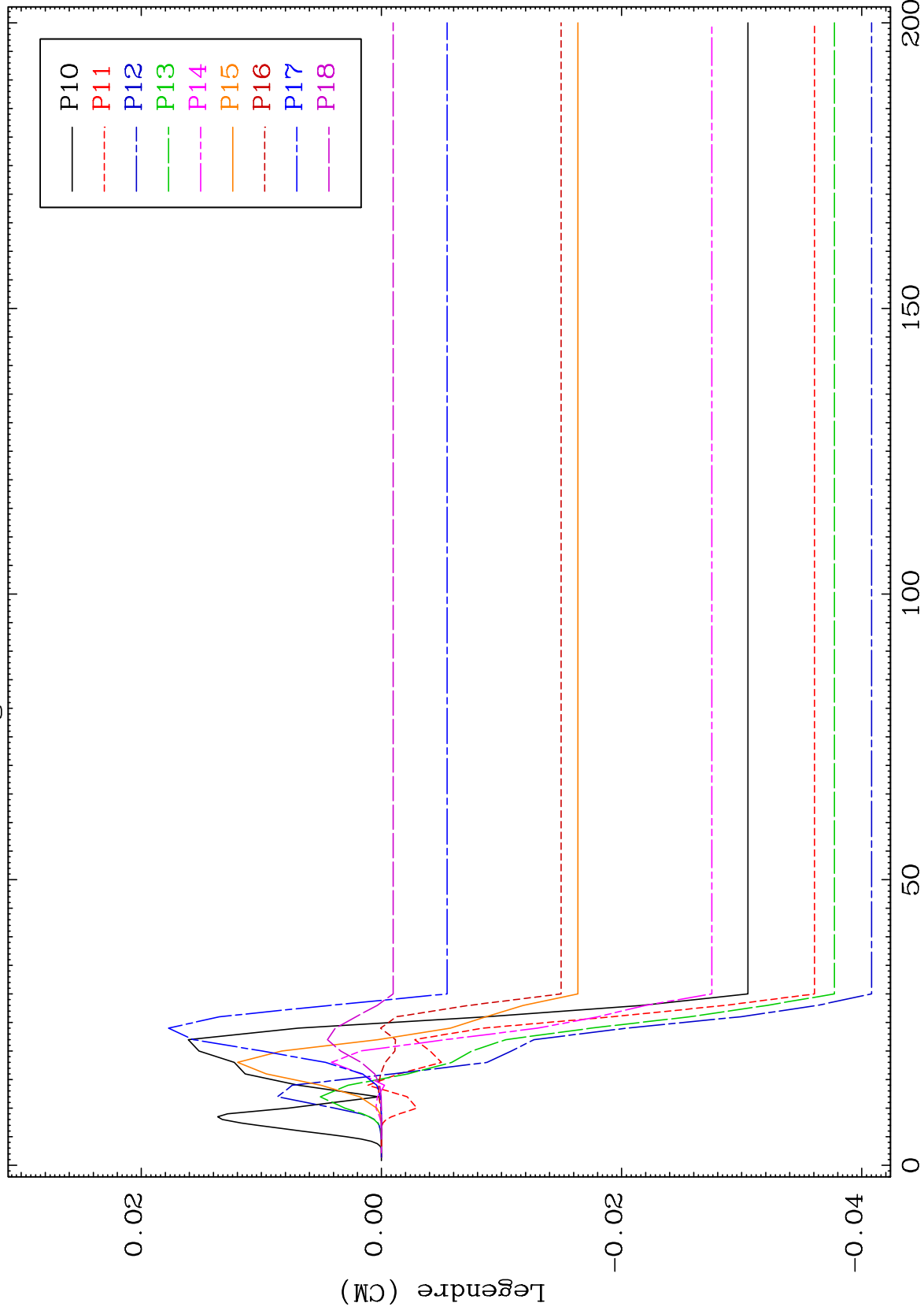
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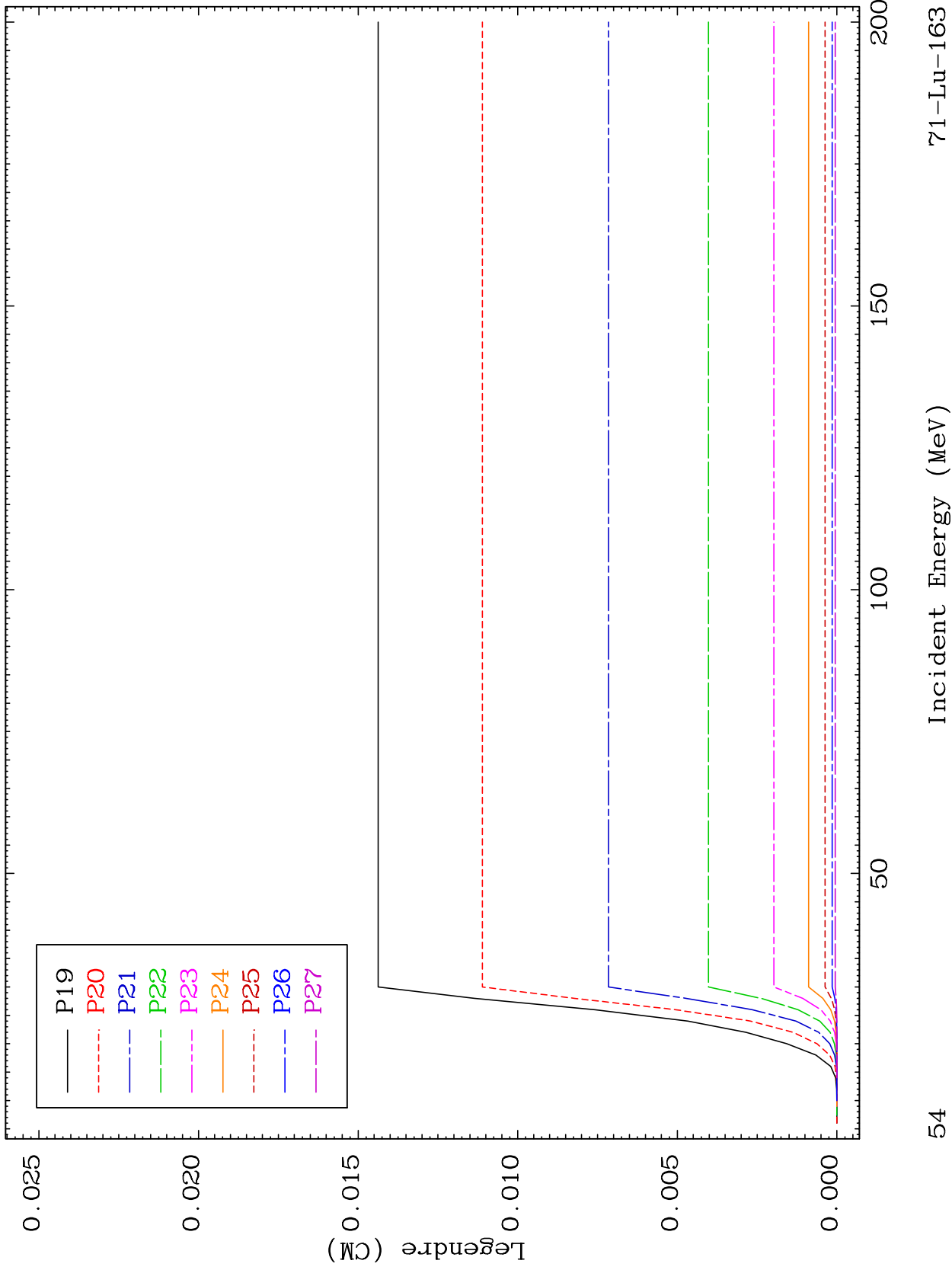


71-Lu-163

Incident Energy (MeV)

52

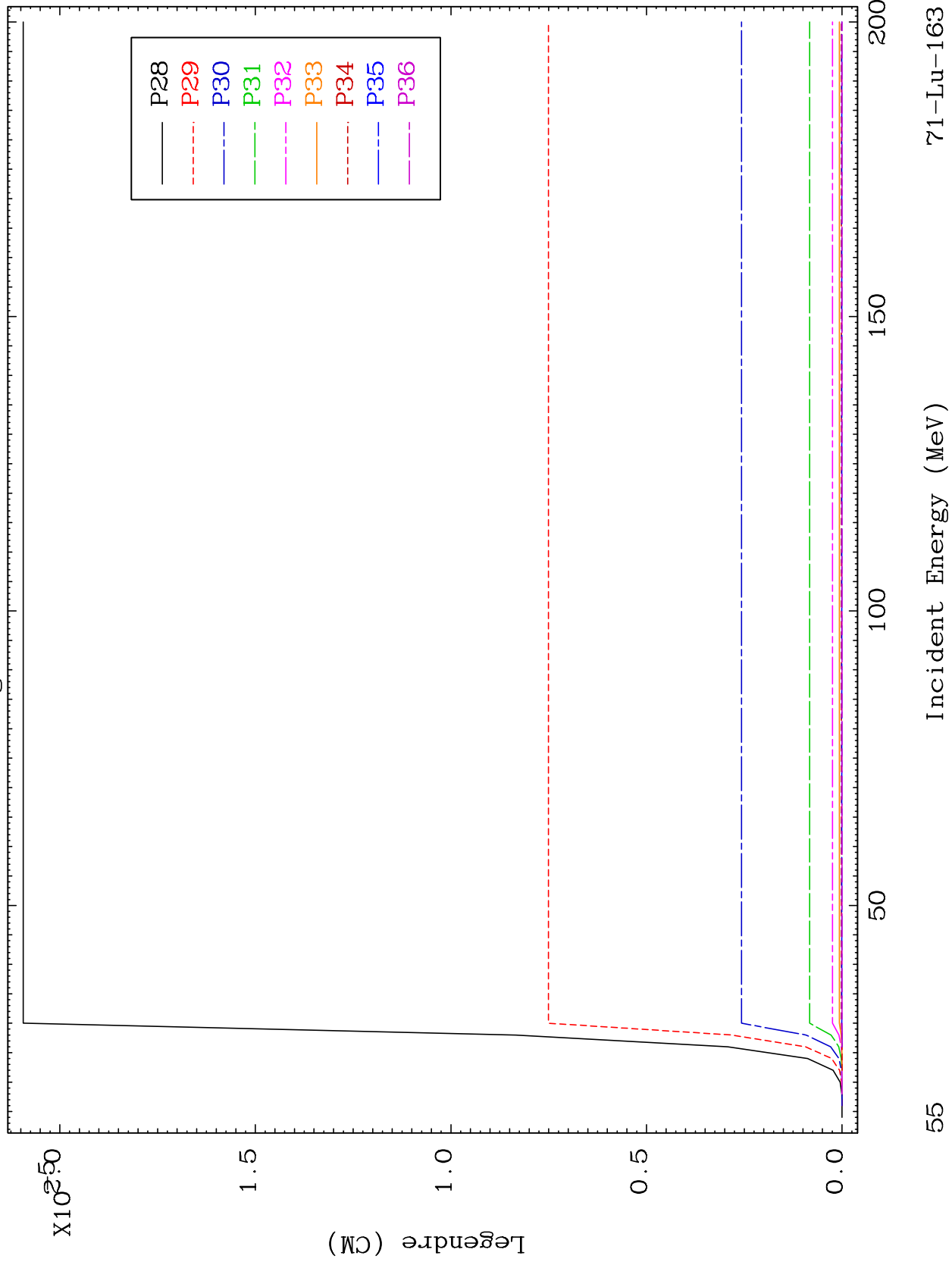




MAT 7089

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

71-Lu-163



55

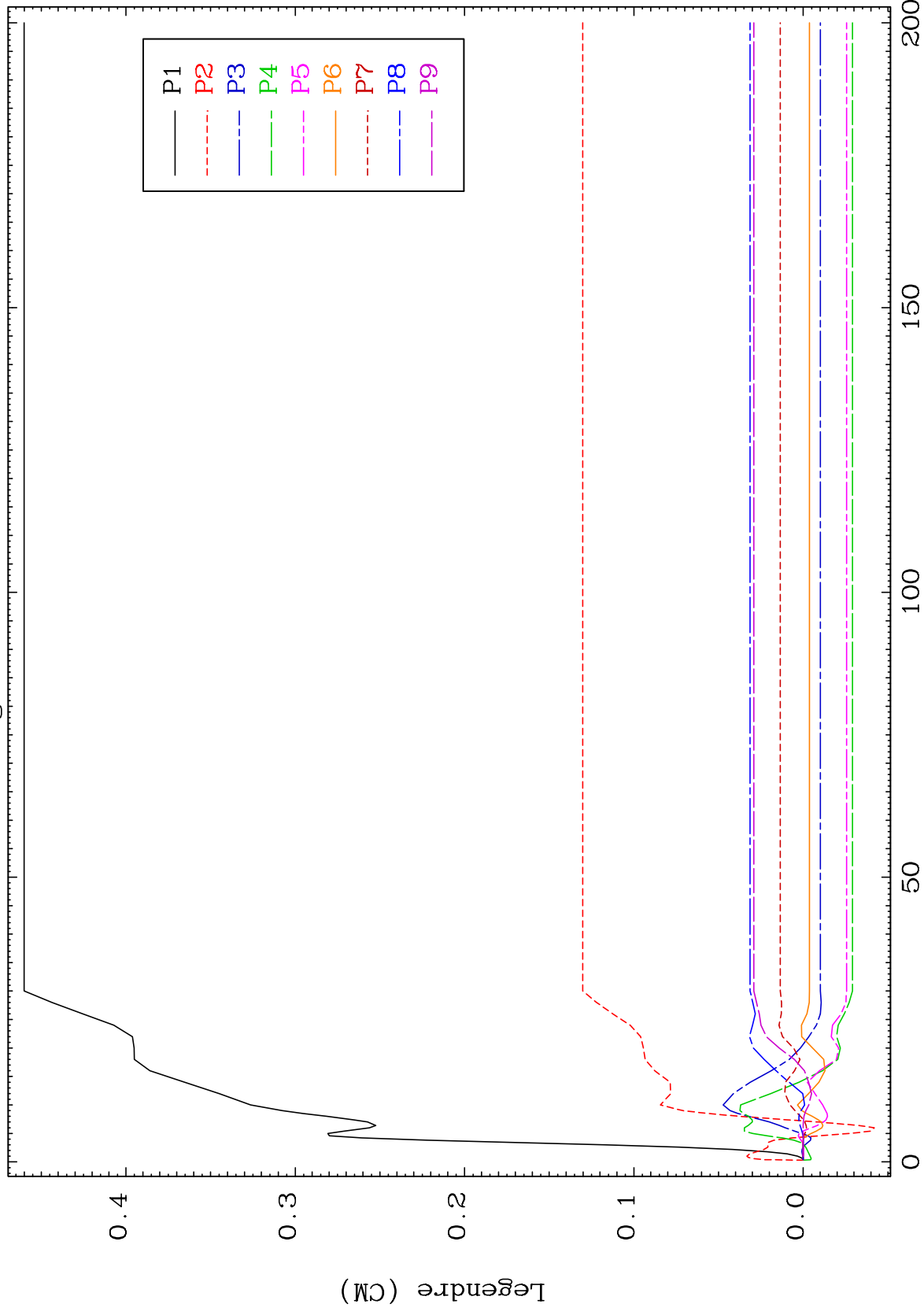
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



56

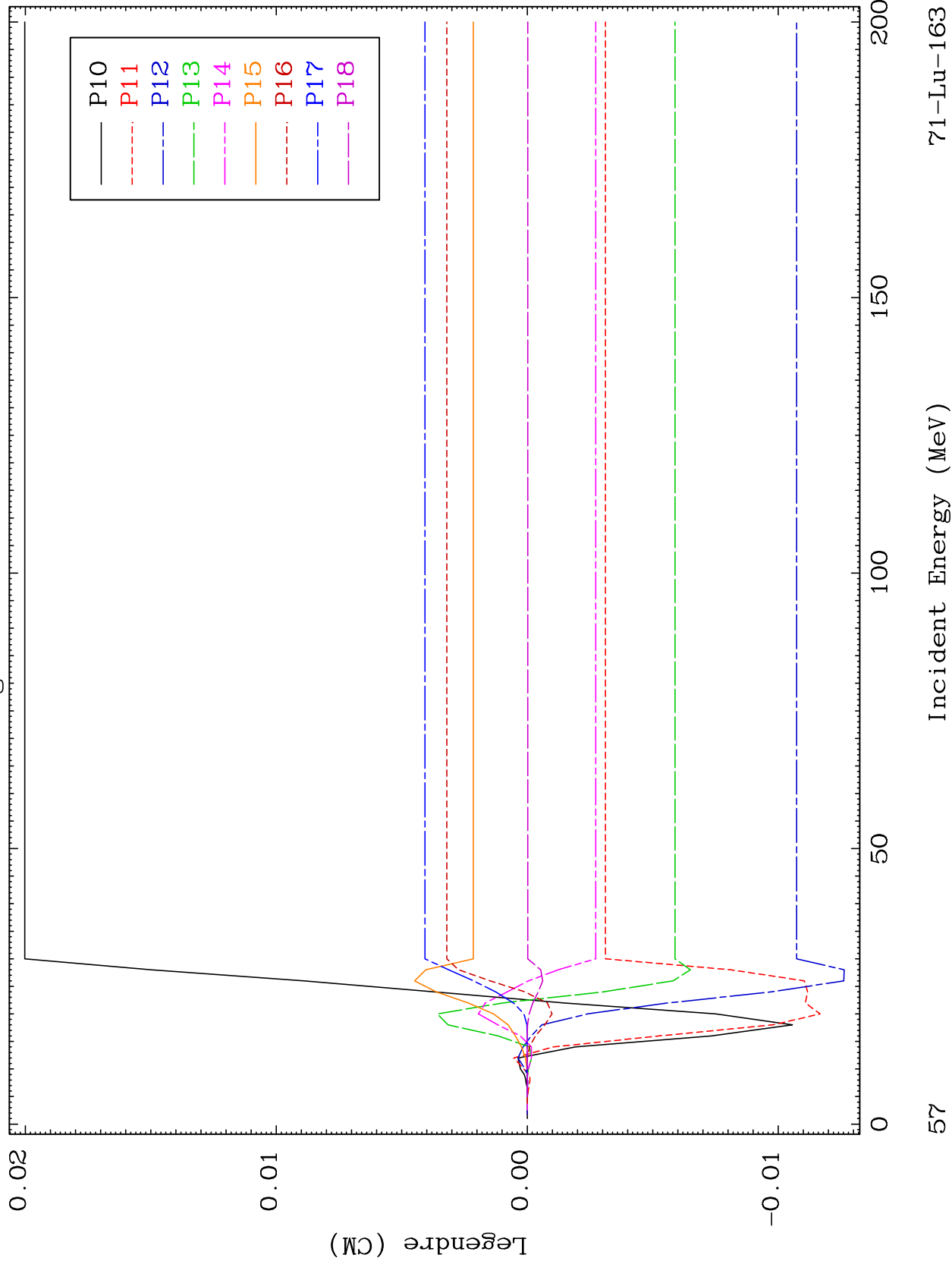
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



57

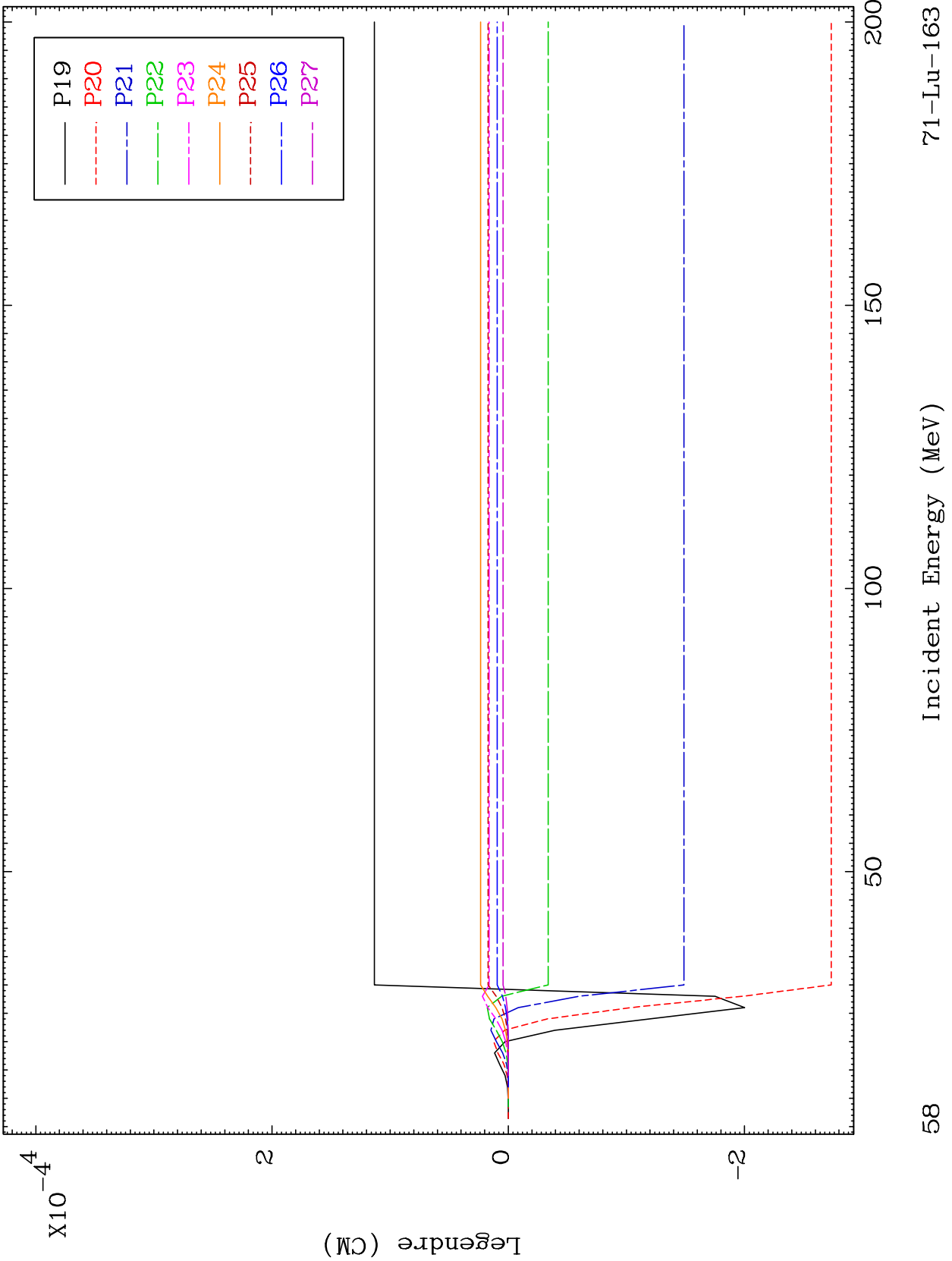
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



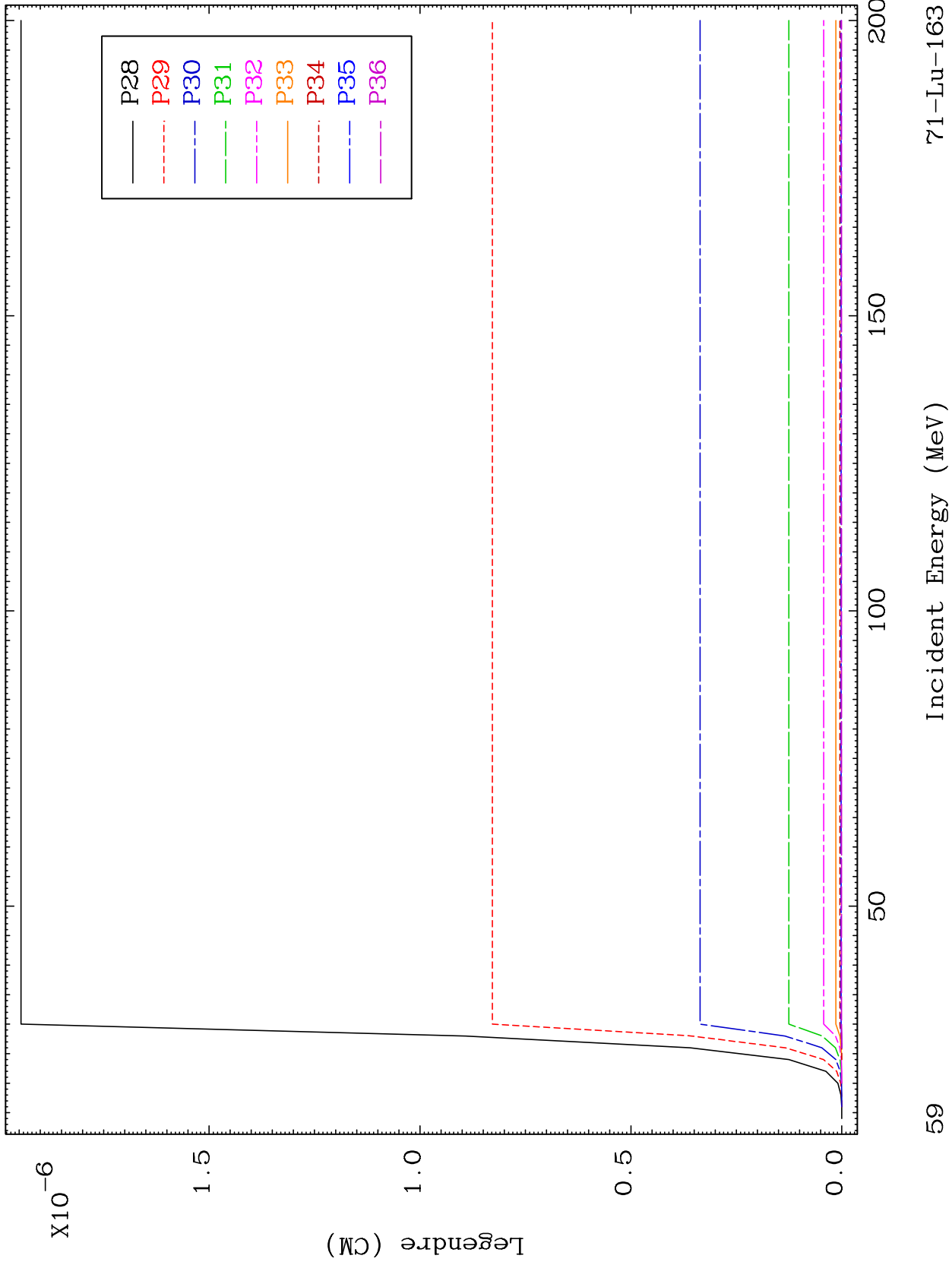
58

71-Lu-163

MAT 7089

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

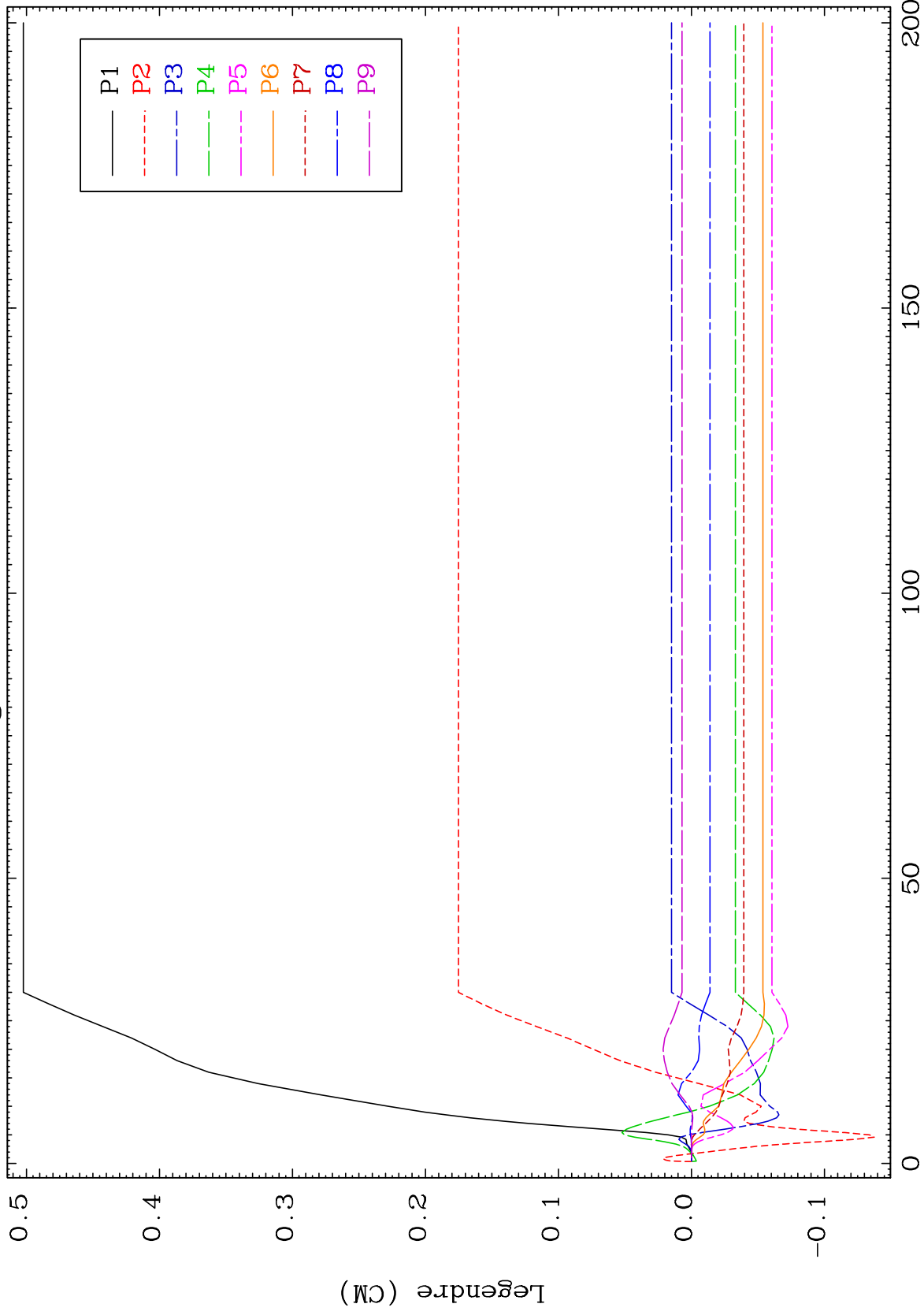
71-Lu-163



MAT 7089

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

71-Lu-163



71-Lu-163

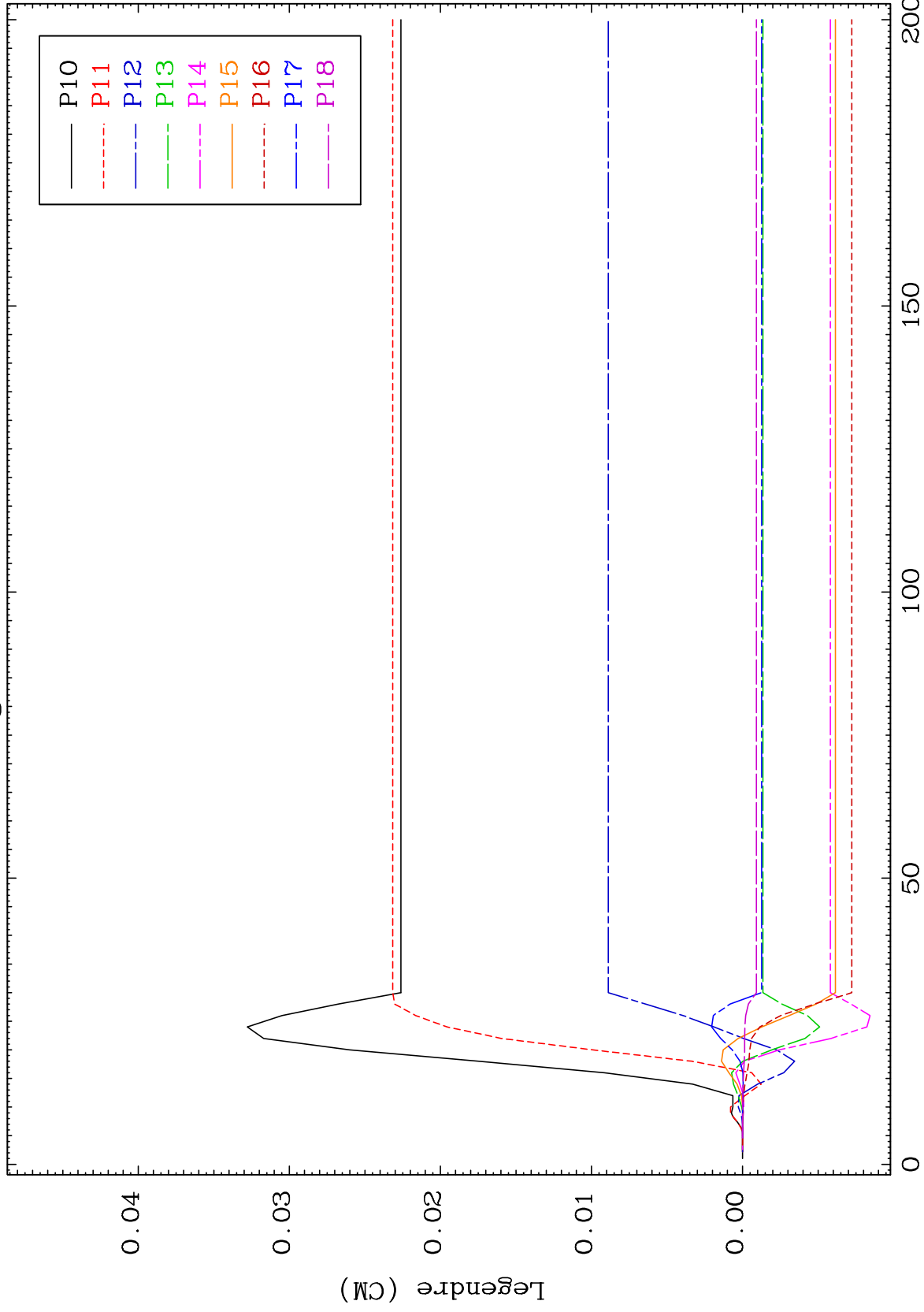
Incident Energy (MeV)

60

MAT 7089

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

71-Lu-163



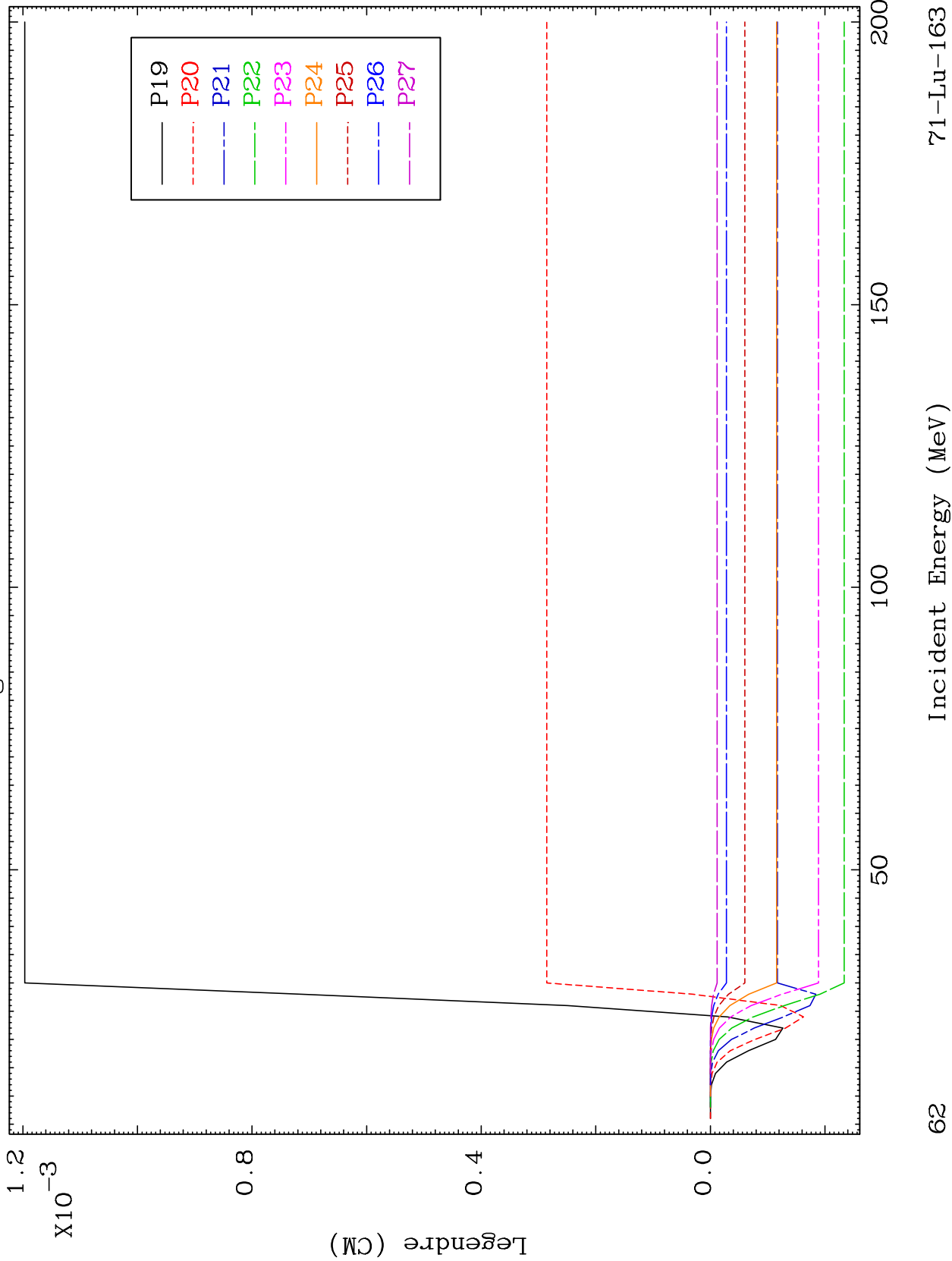
61

71-Lu-163

MAT 7089

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

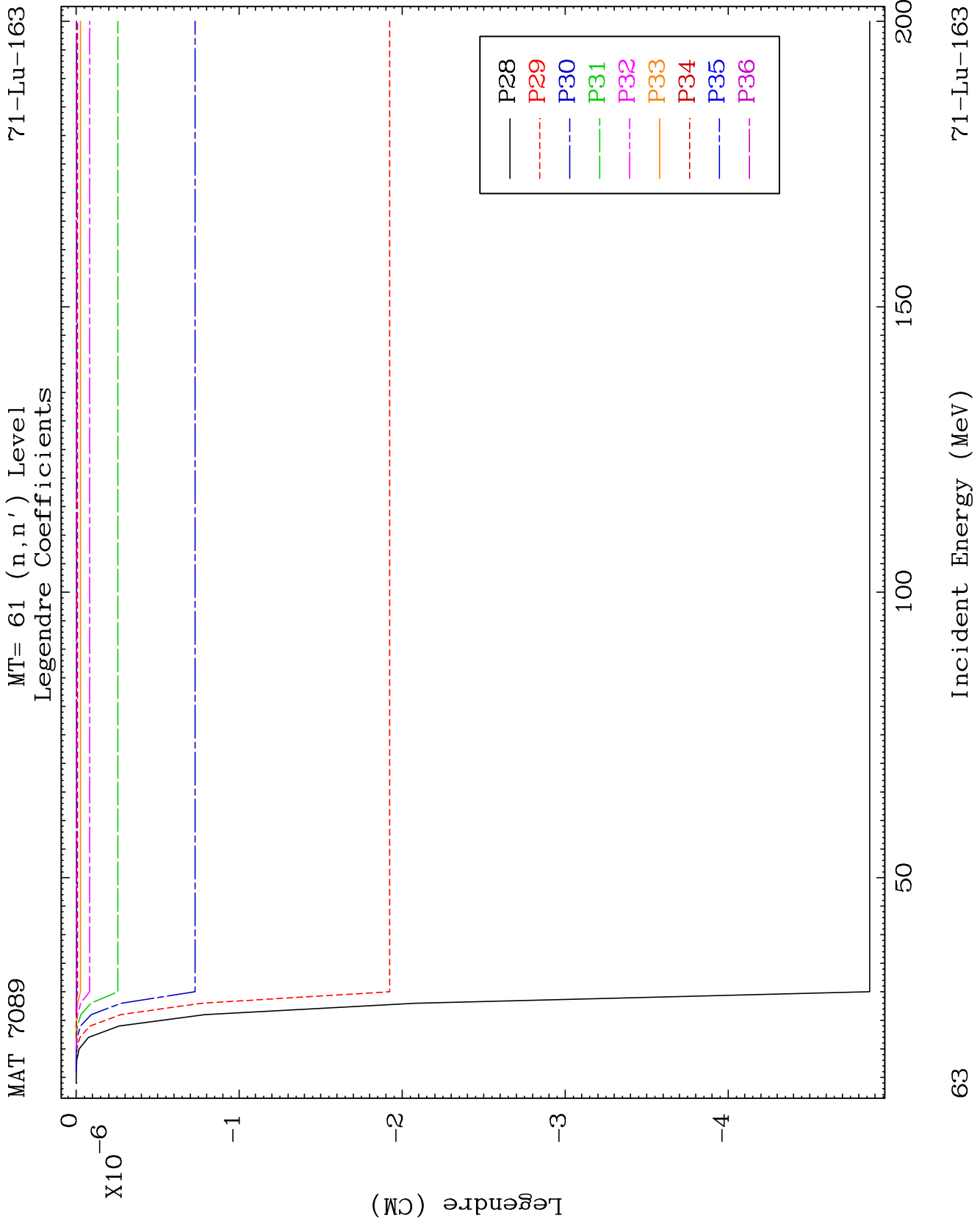
71-Lu-163



62

Incident Energy (MeV)

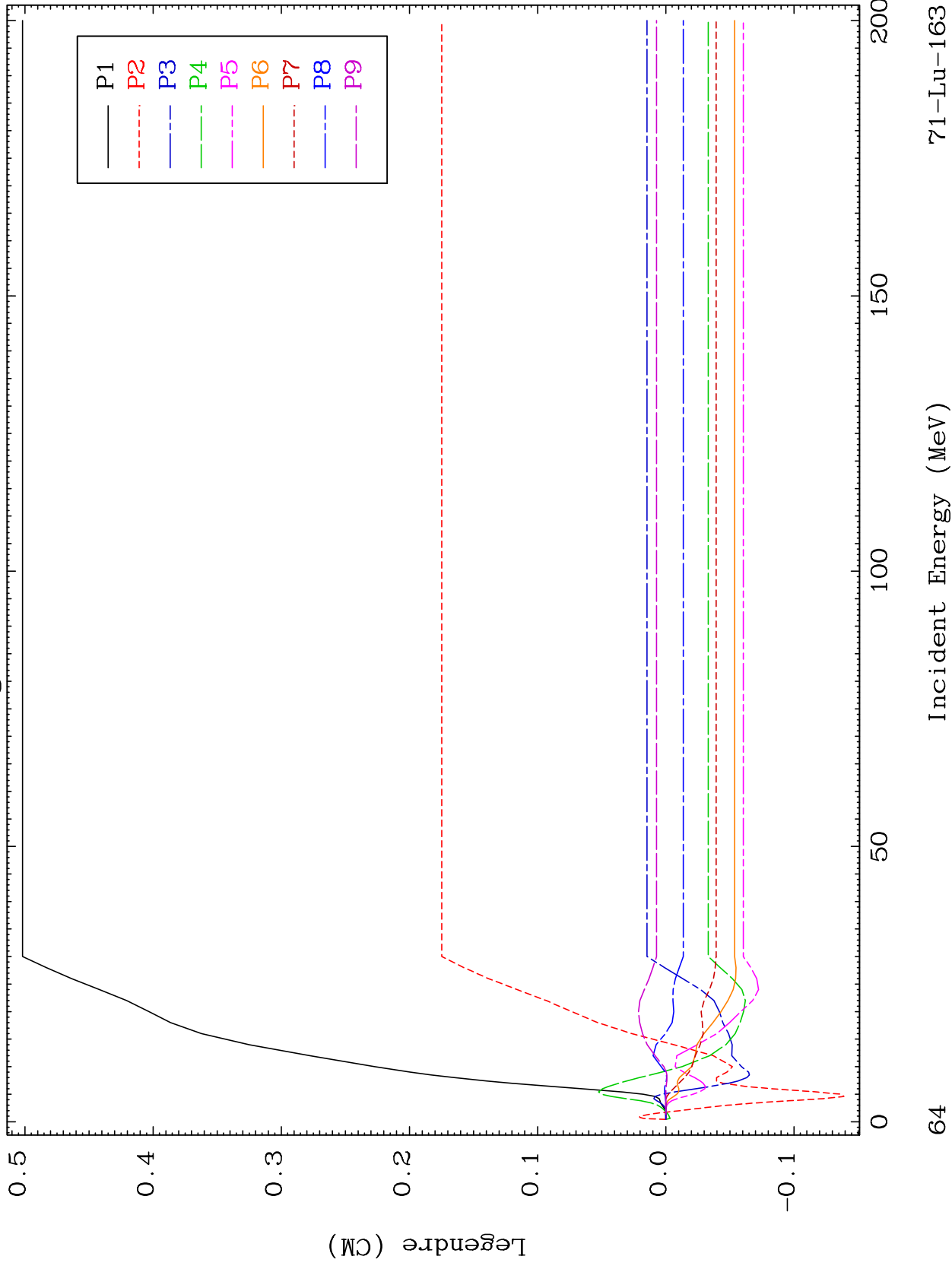
71-Lu-163



MAT 7089

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

71-Lu-163



71-Lu-163

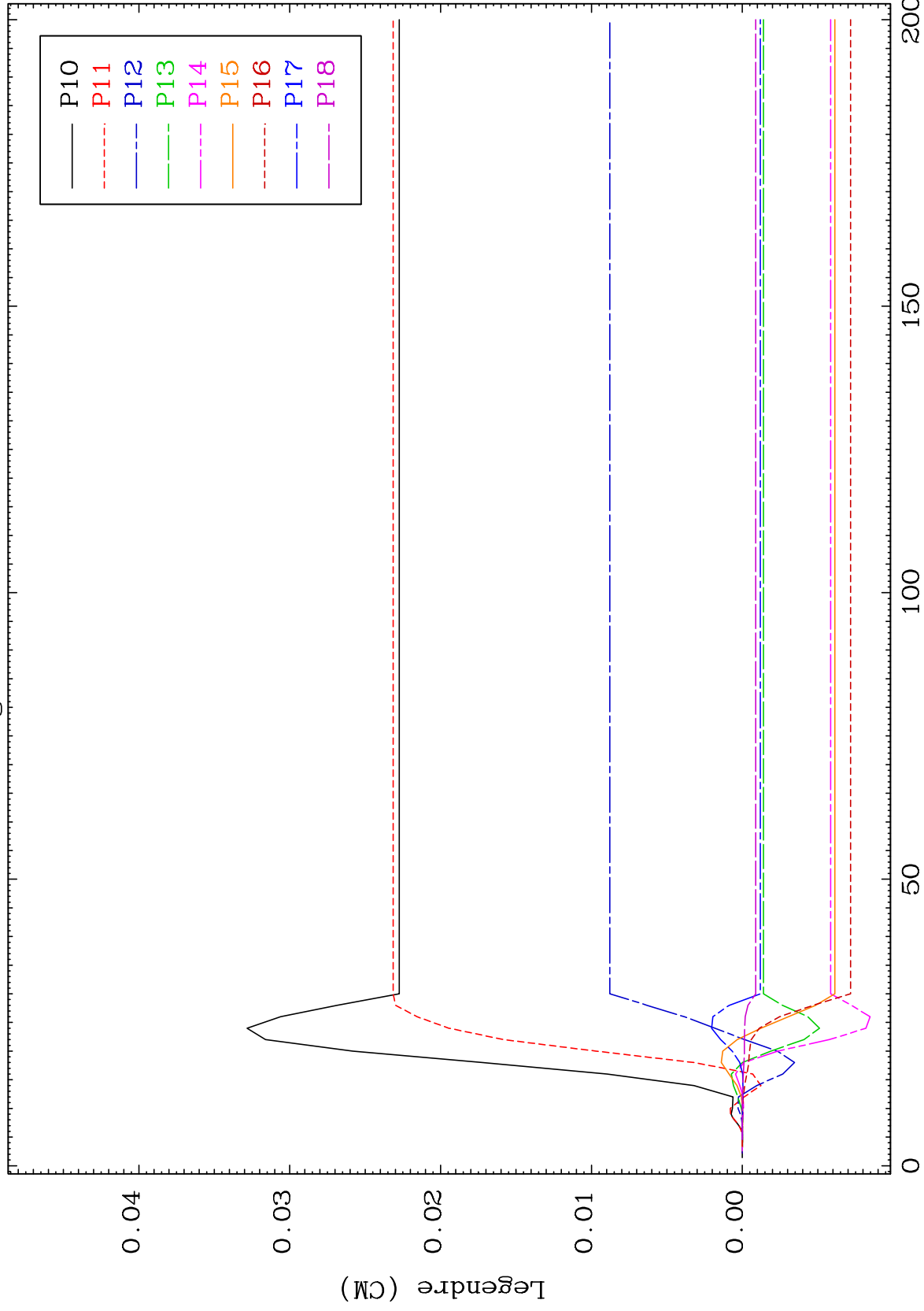
Incident Energy (MeV)

64

MAT 7089

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

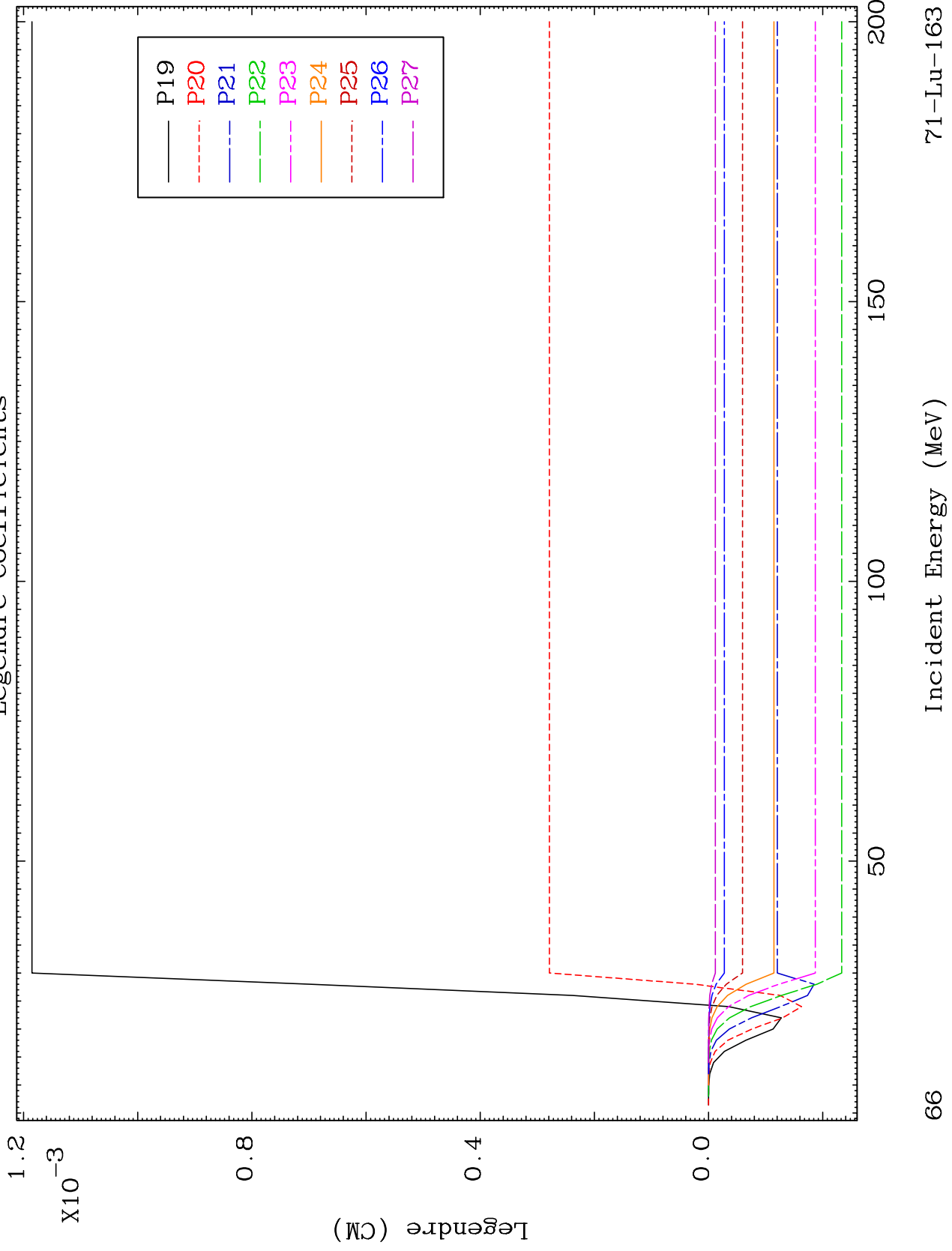
71-Lu-163

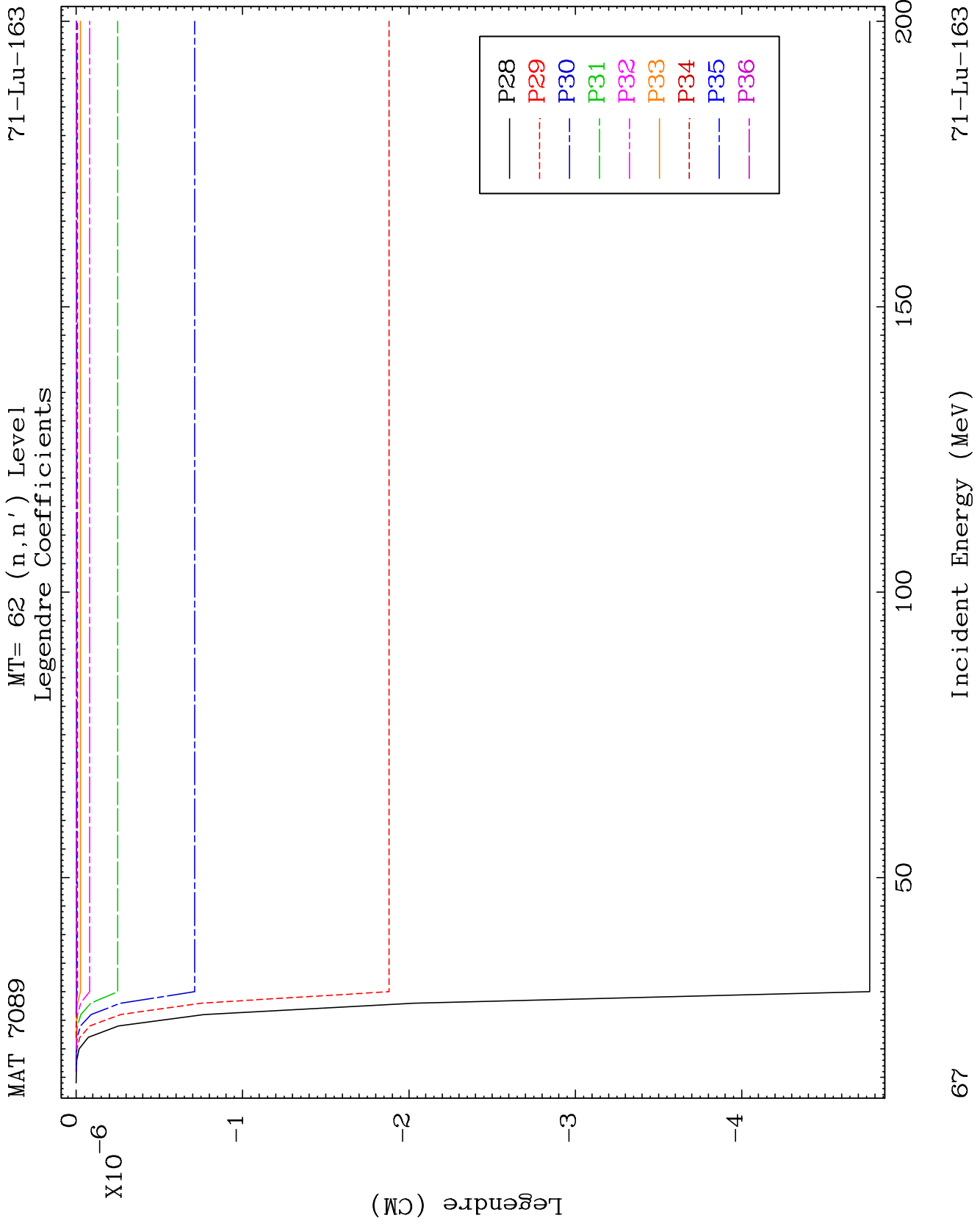


65

Incident Energy (MeV)

71-Lu-163

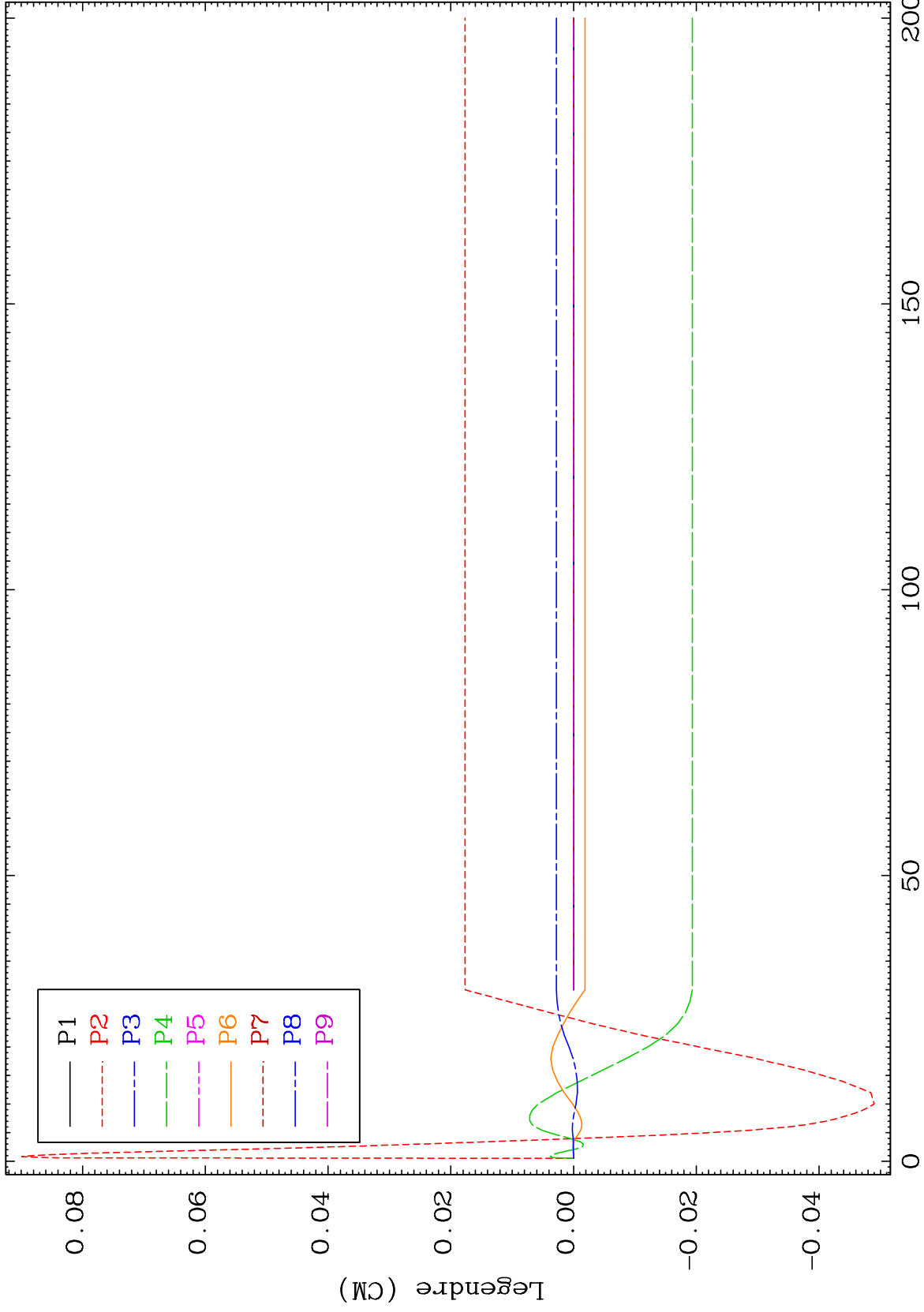




MAT 7089

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

71-Lu-163



68

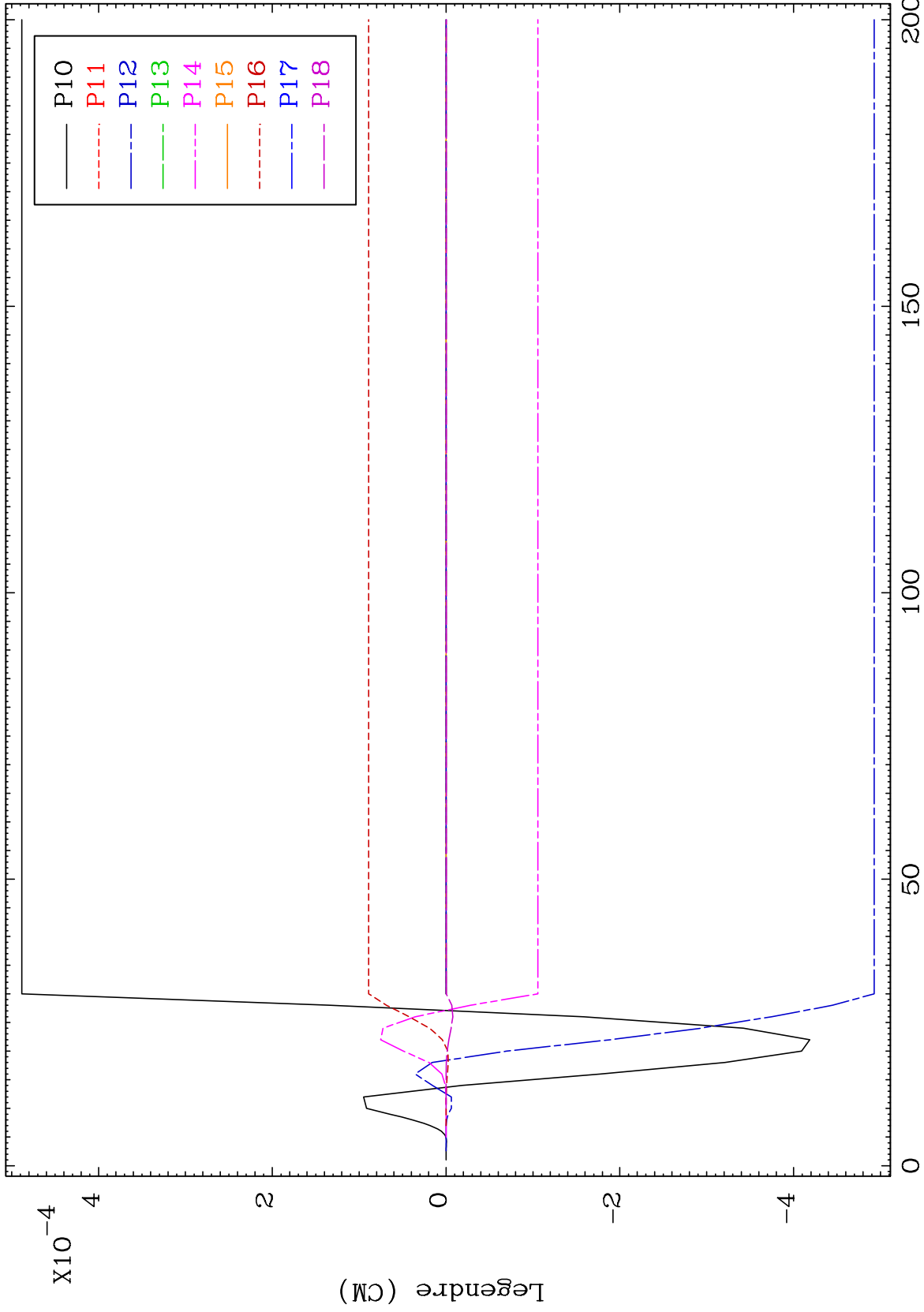
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

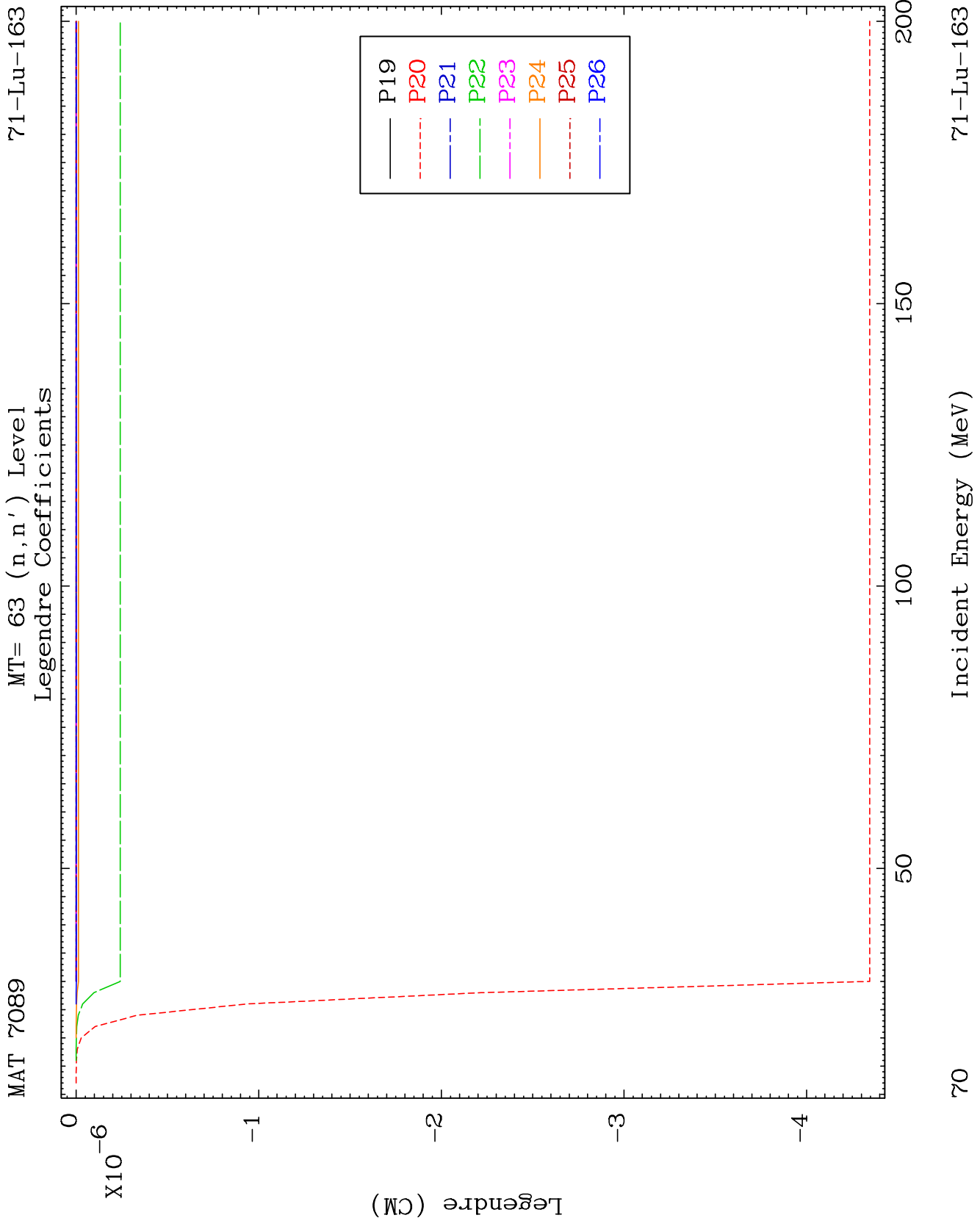
71-Lu-163



69

Incident Energy (MeV)

71-Lu-163

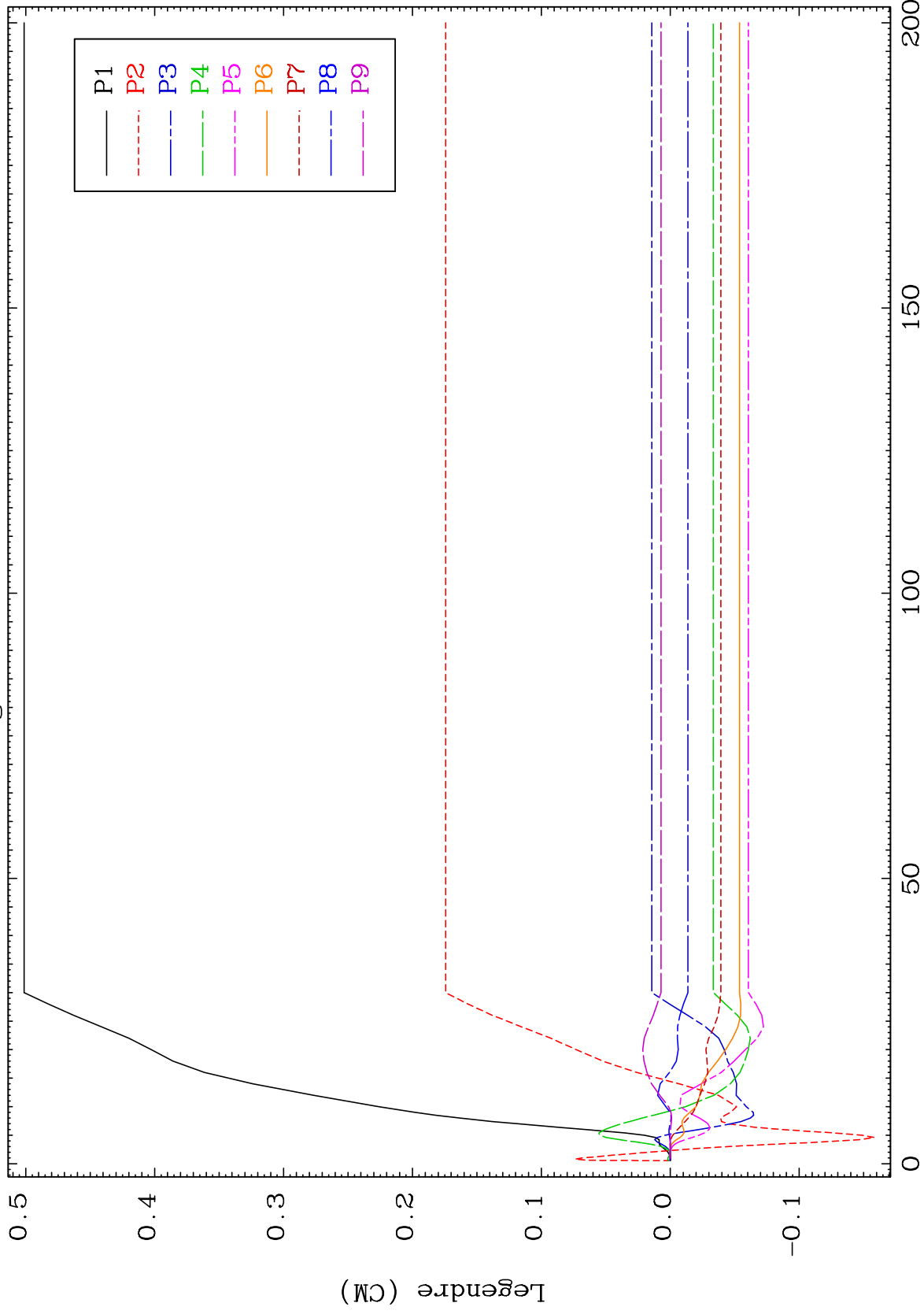


MAT 7089

MT= 64 (n,n') Level

71-Lu-163

Legendre Coefficients



71

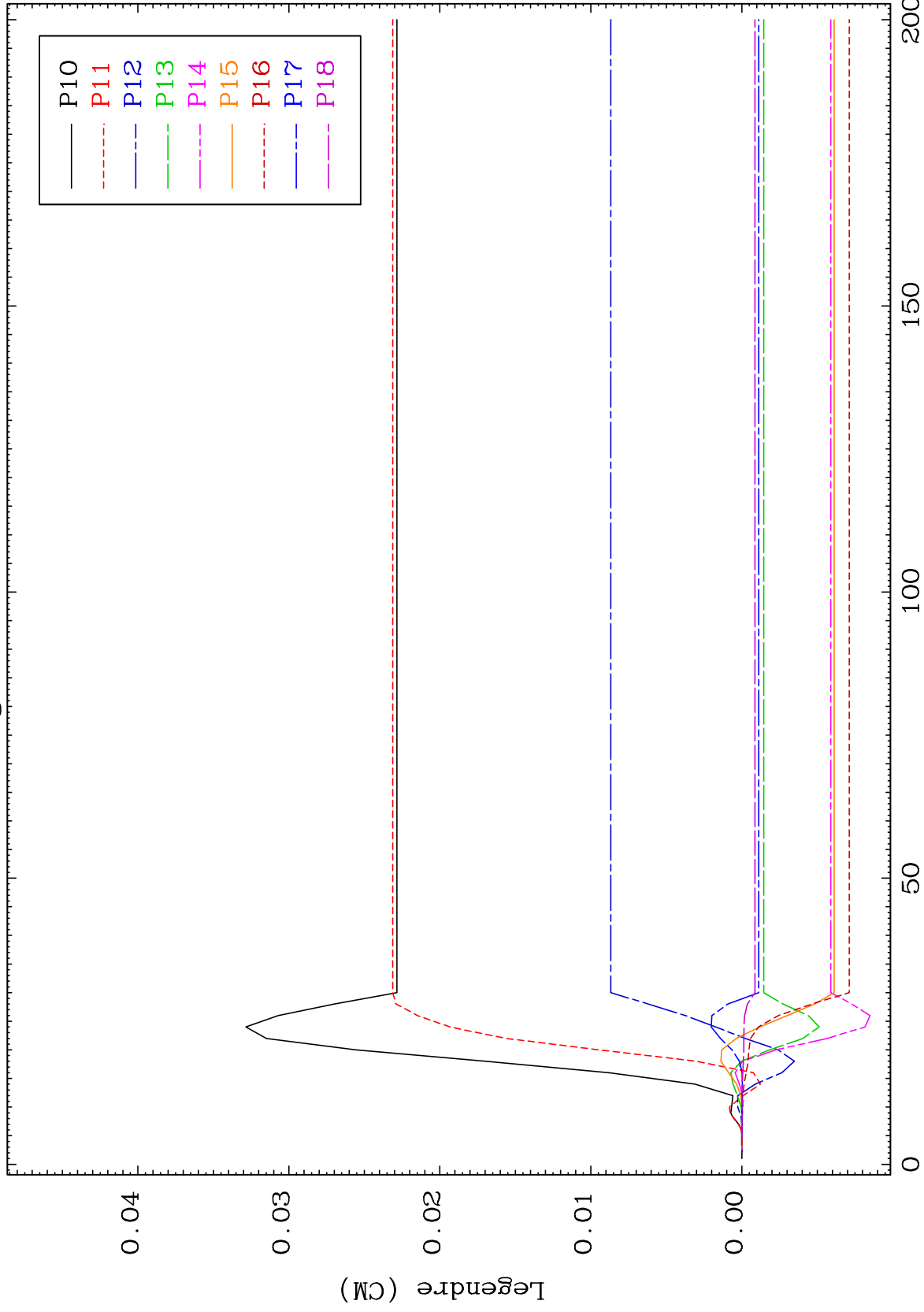
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



72

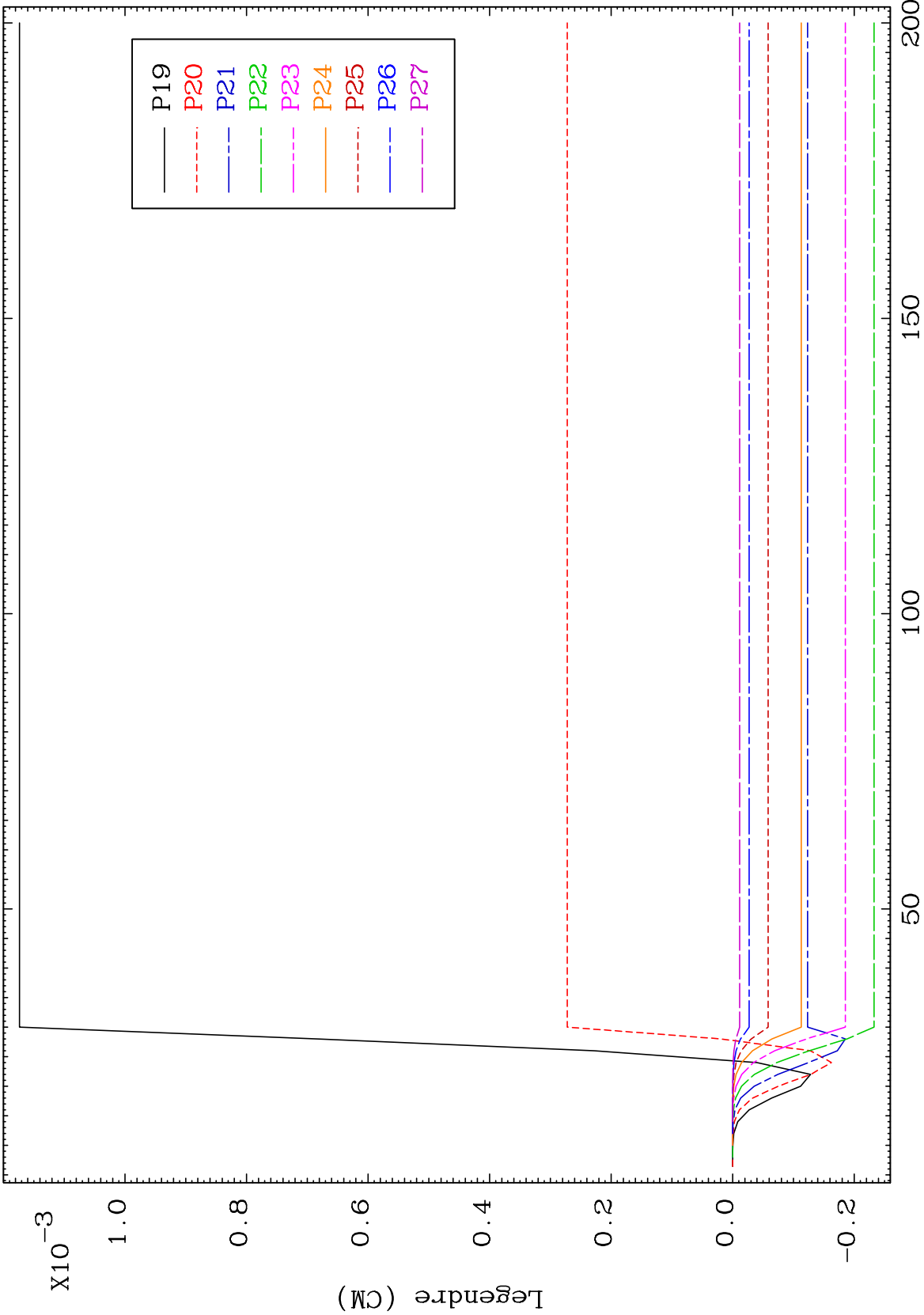
Incident Energy (MeV)

71-Lu-163

MAT 7089

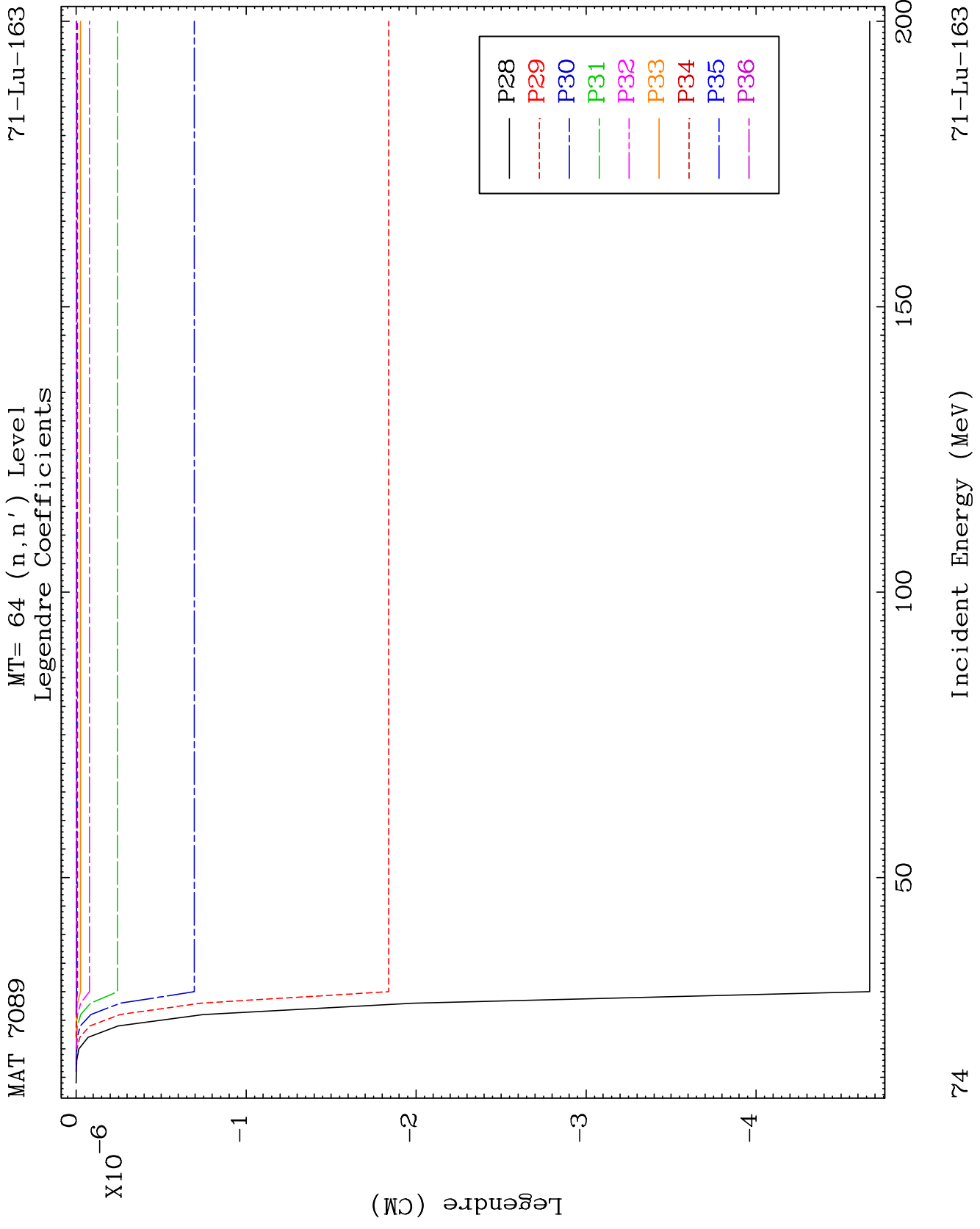
MT= 64 (n,n') Level
Legendre Coefficients

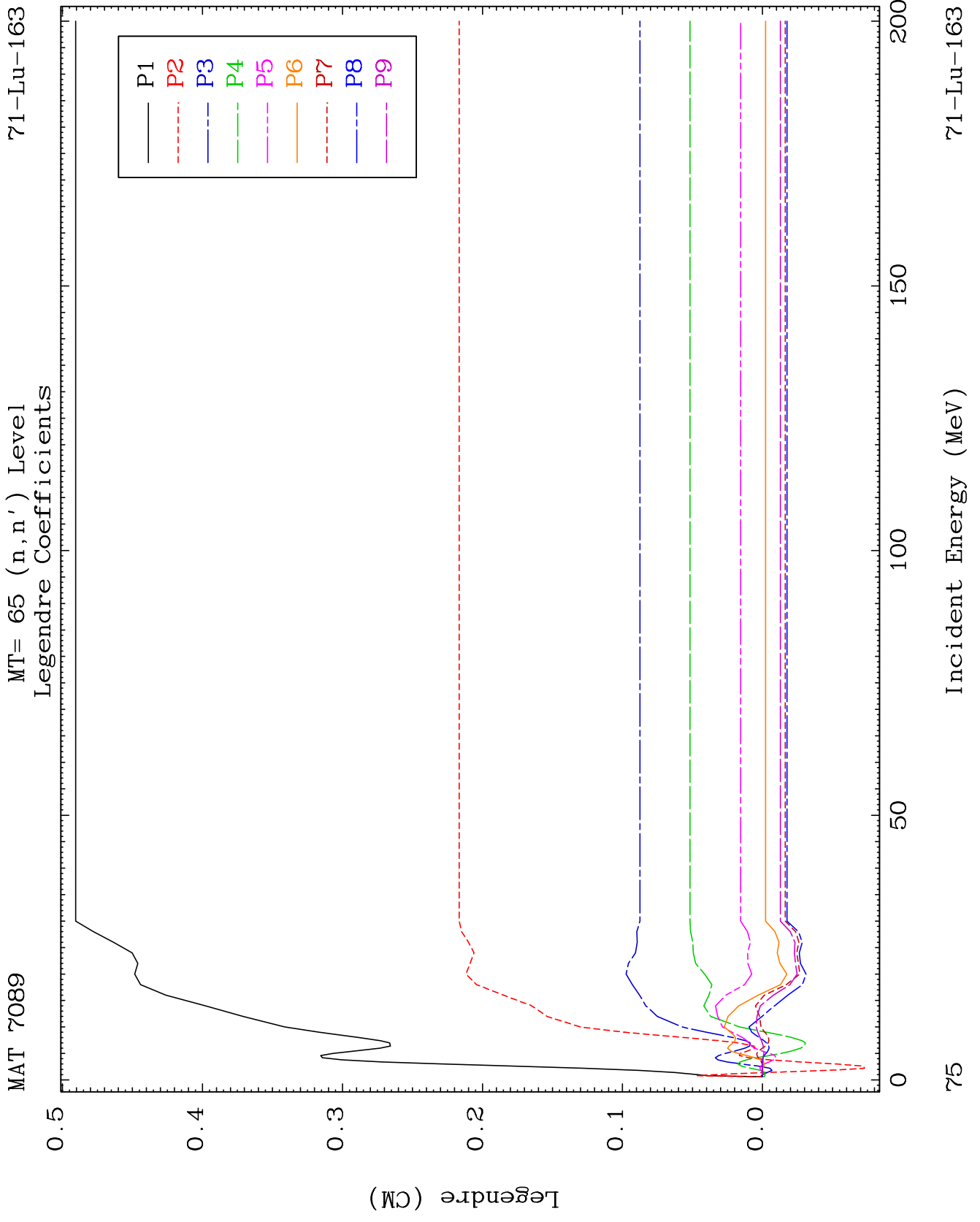
71-Lu-163



73

71-Lu-163

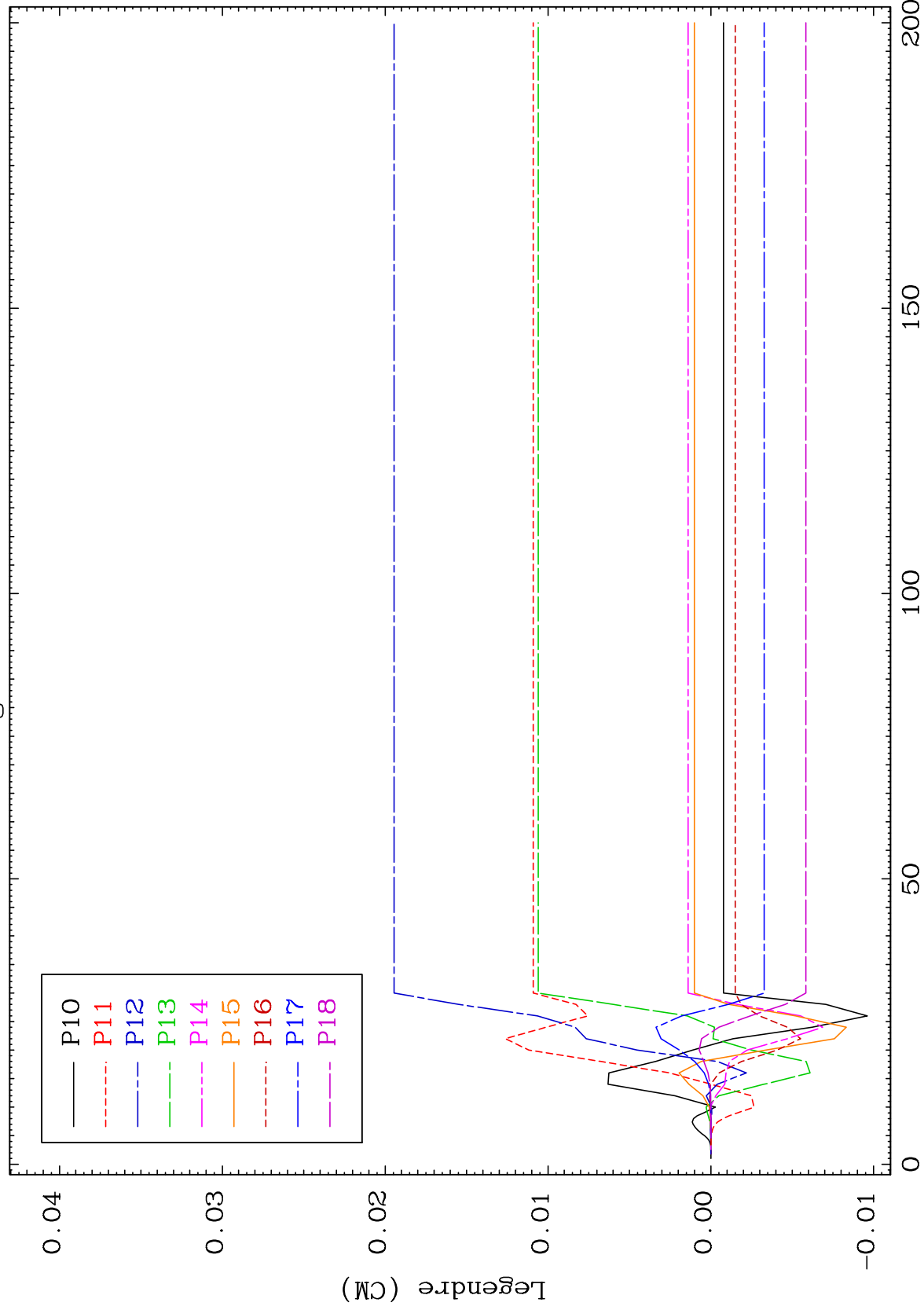




MAT 7089

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

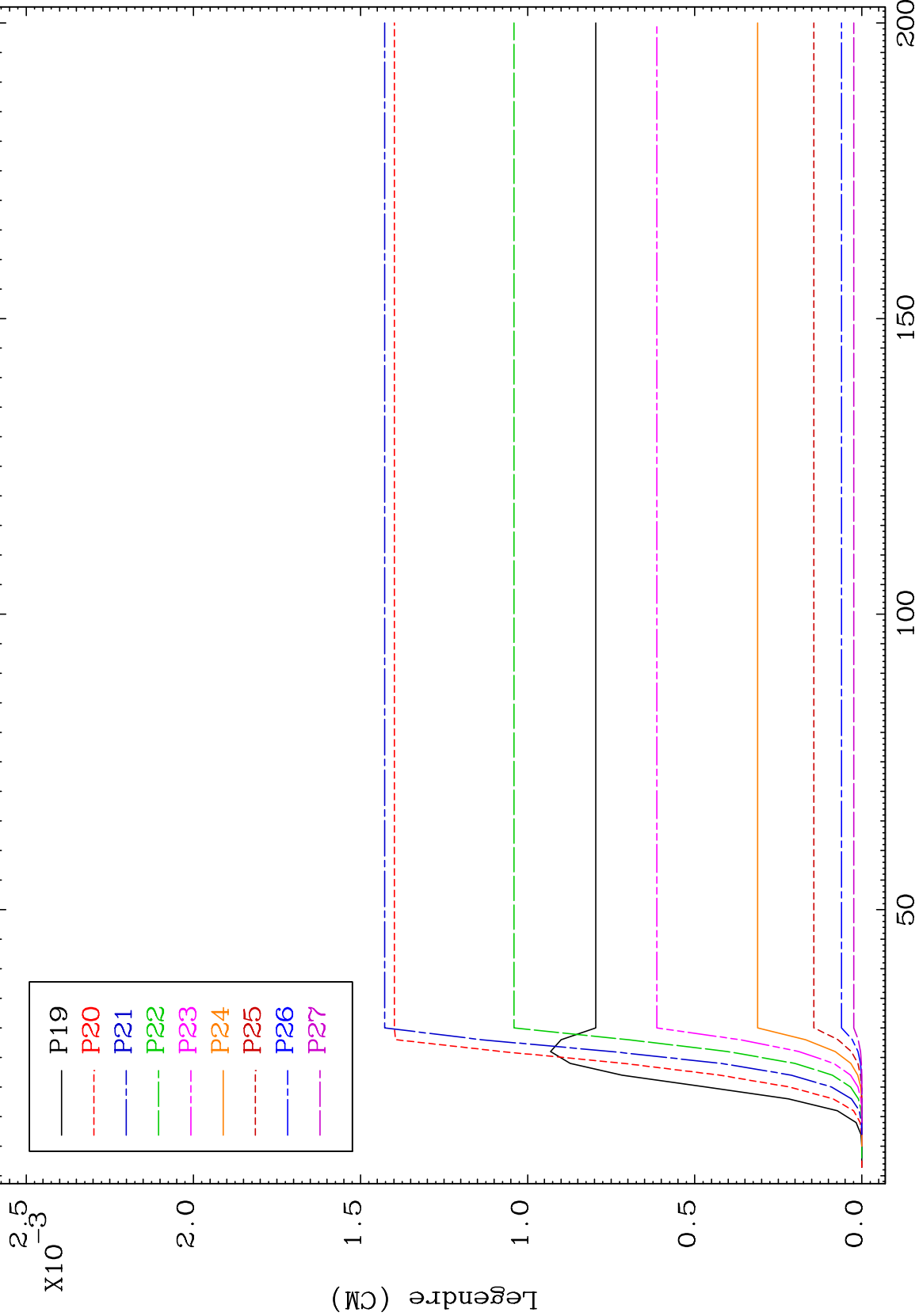
71-Lu-163



76

71-Lu-163

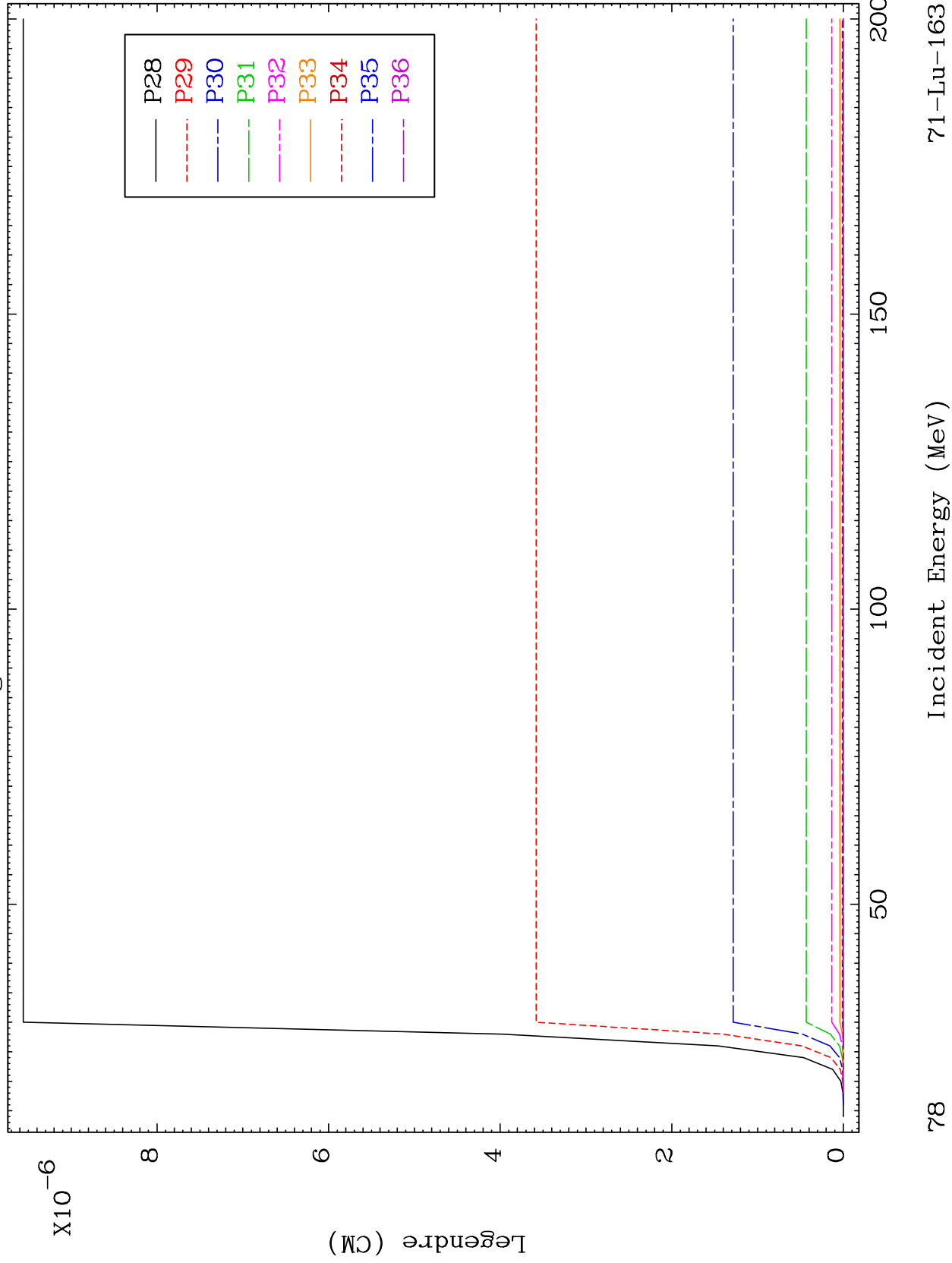
71-Lu-163



MAT 7089

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

71-Lu-163

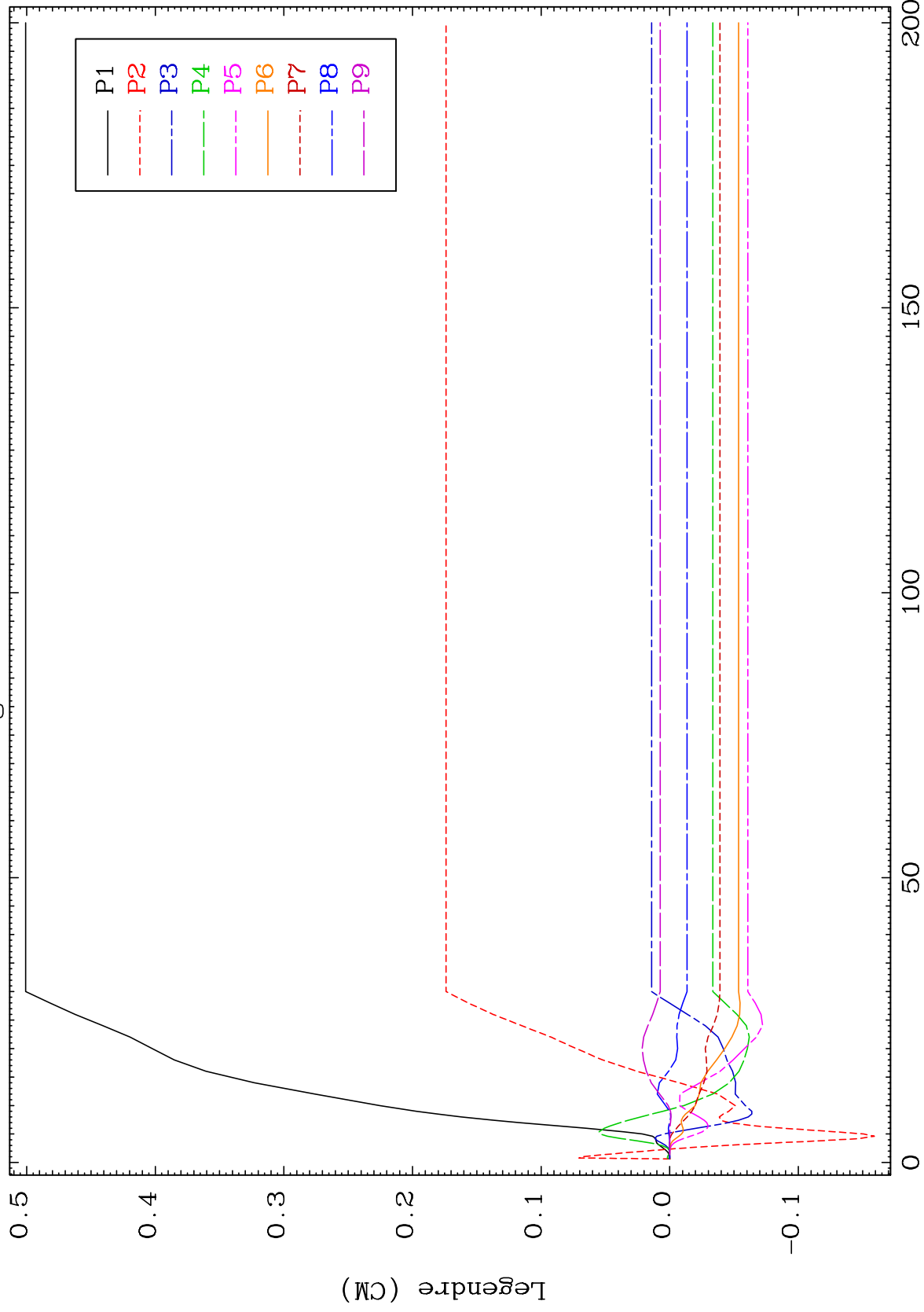


78

MAT 7089

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

71-Lu-163



79

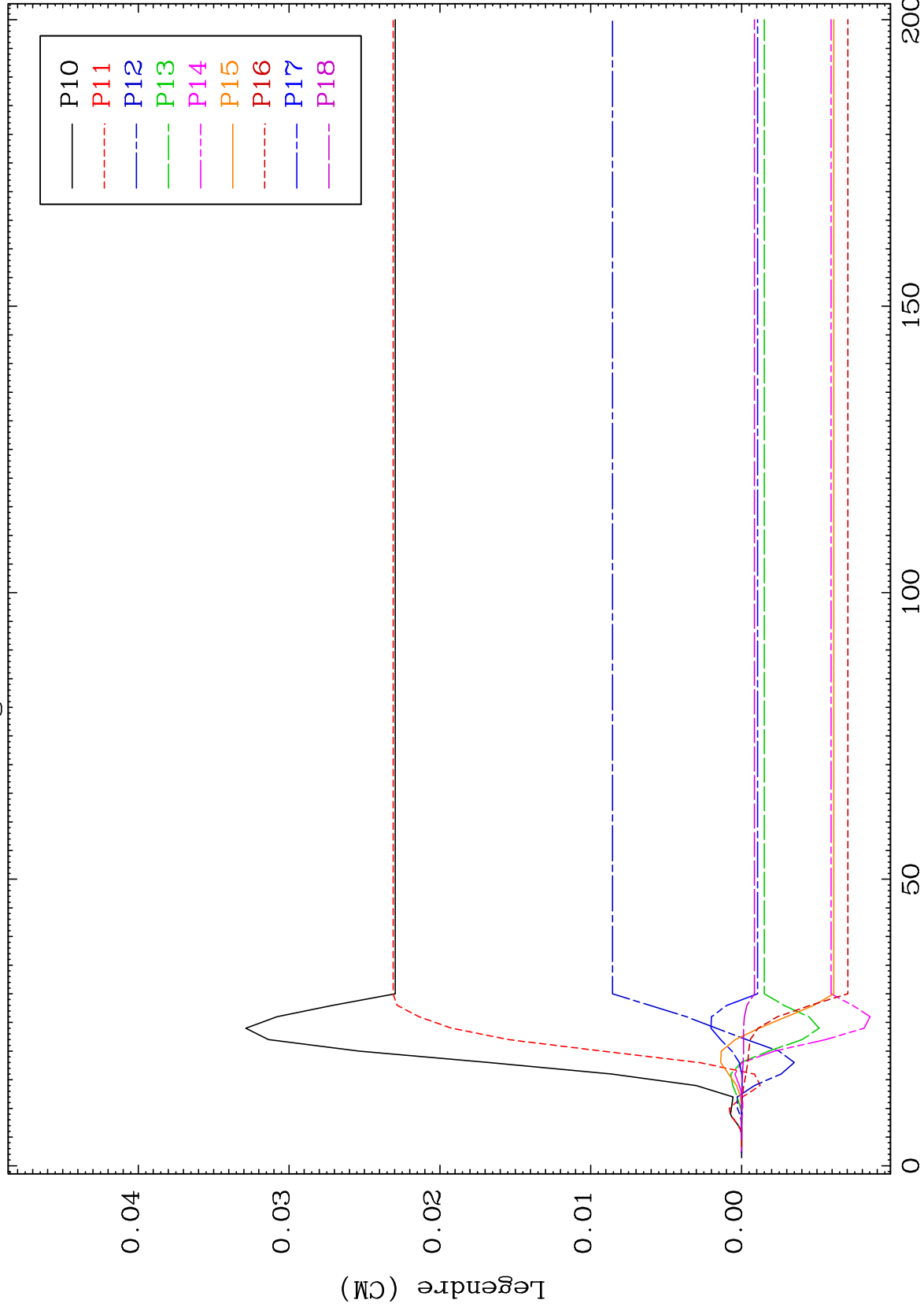
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

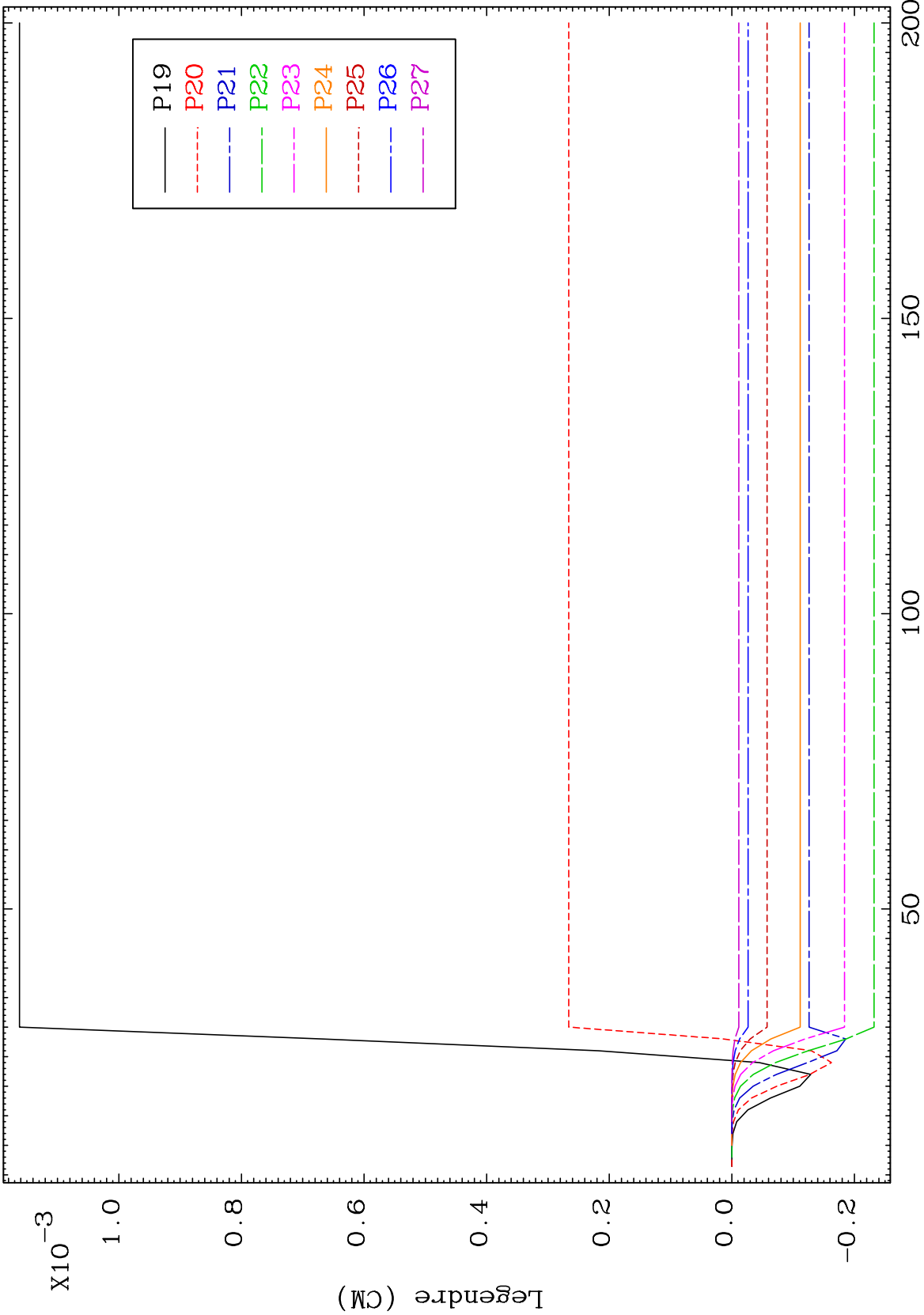
71-Lu-163

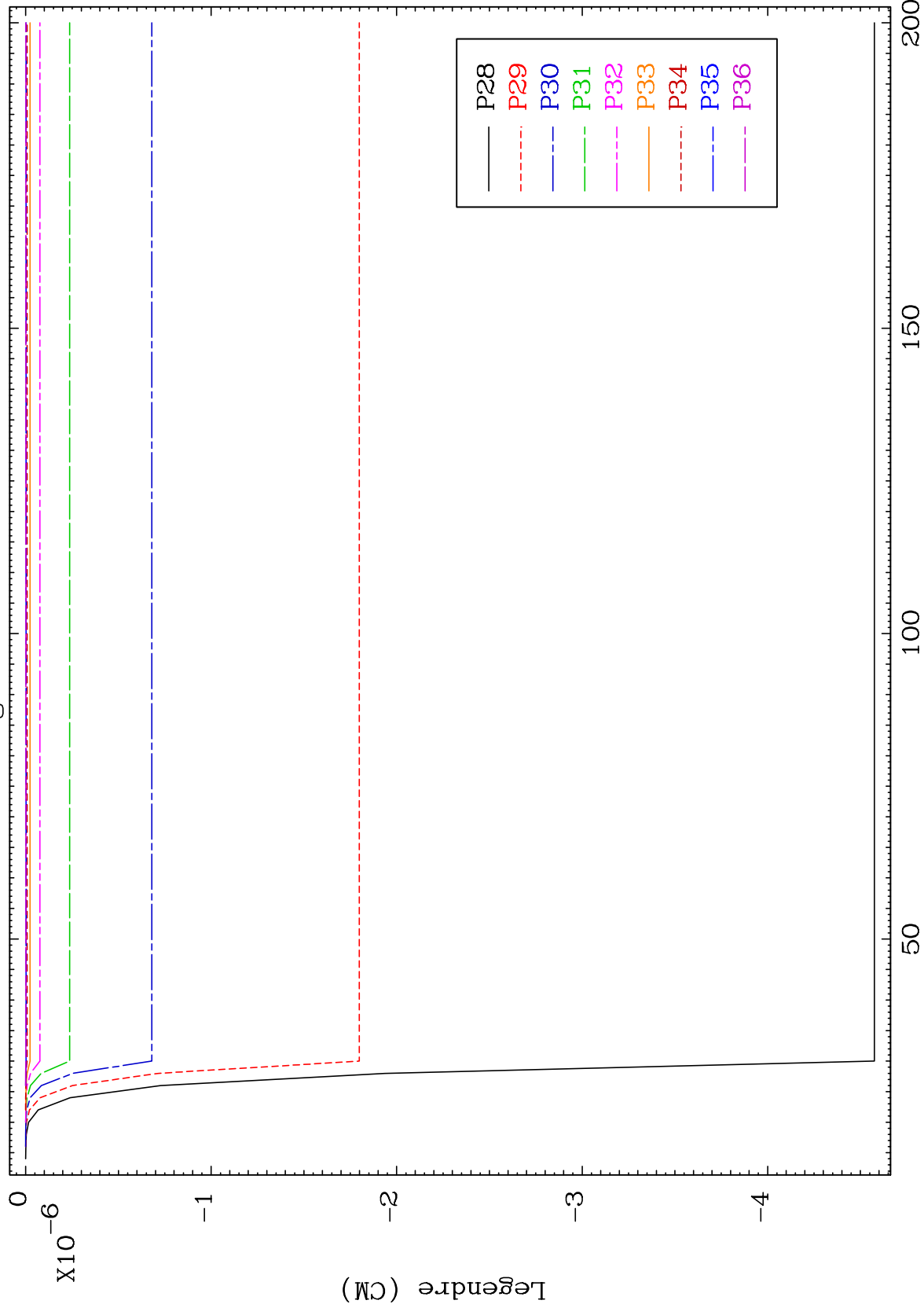


80

Incident Energy (MeV)

71-Lu-163

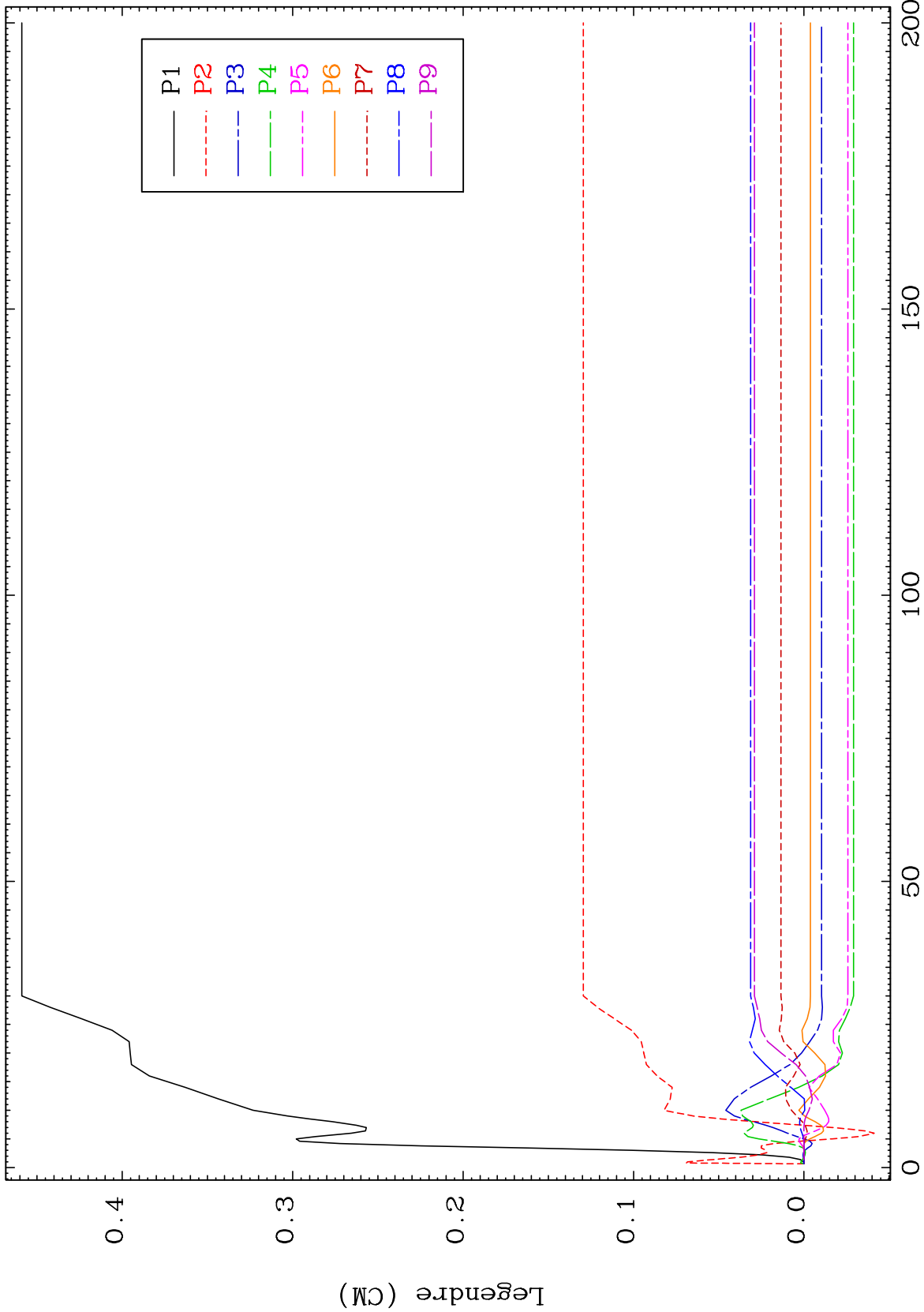




MAT 7089

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

71-Lu-163



83

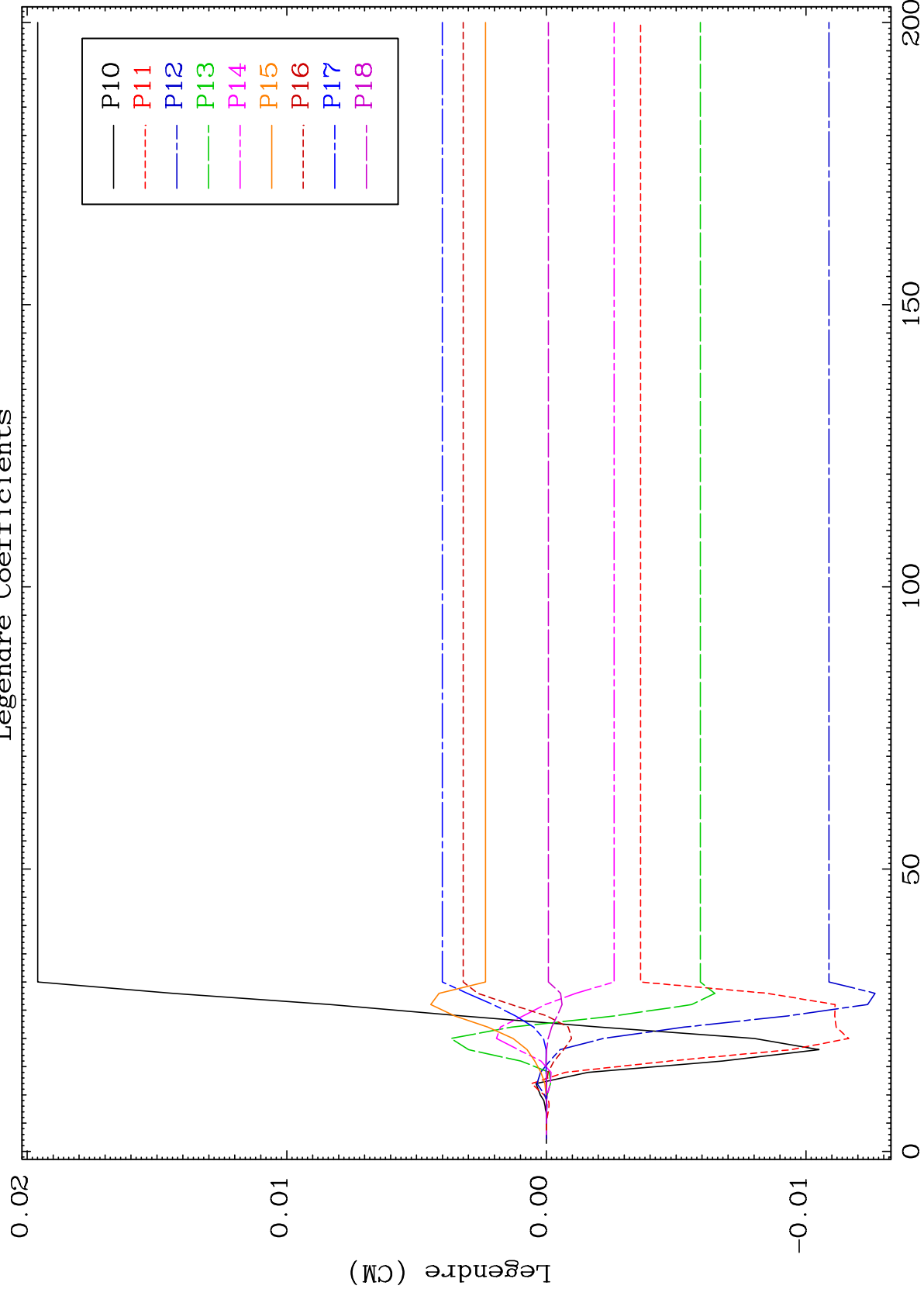
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

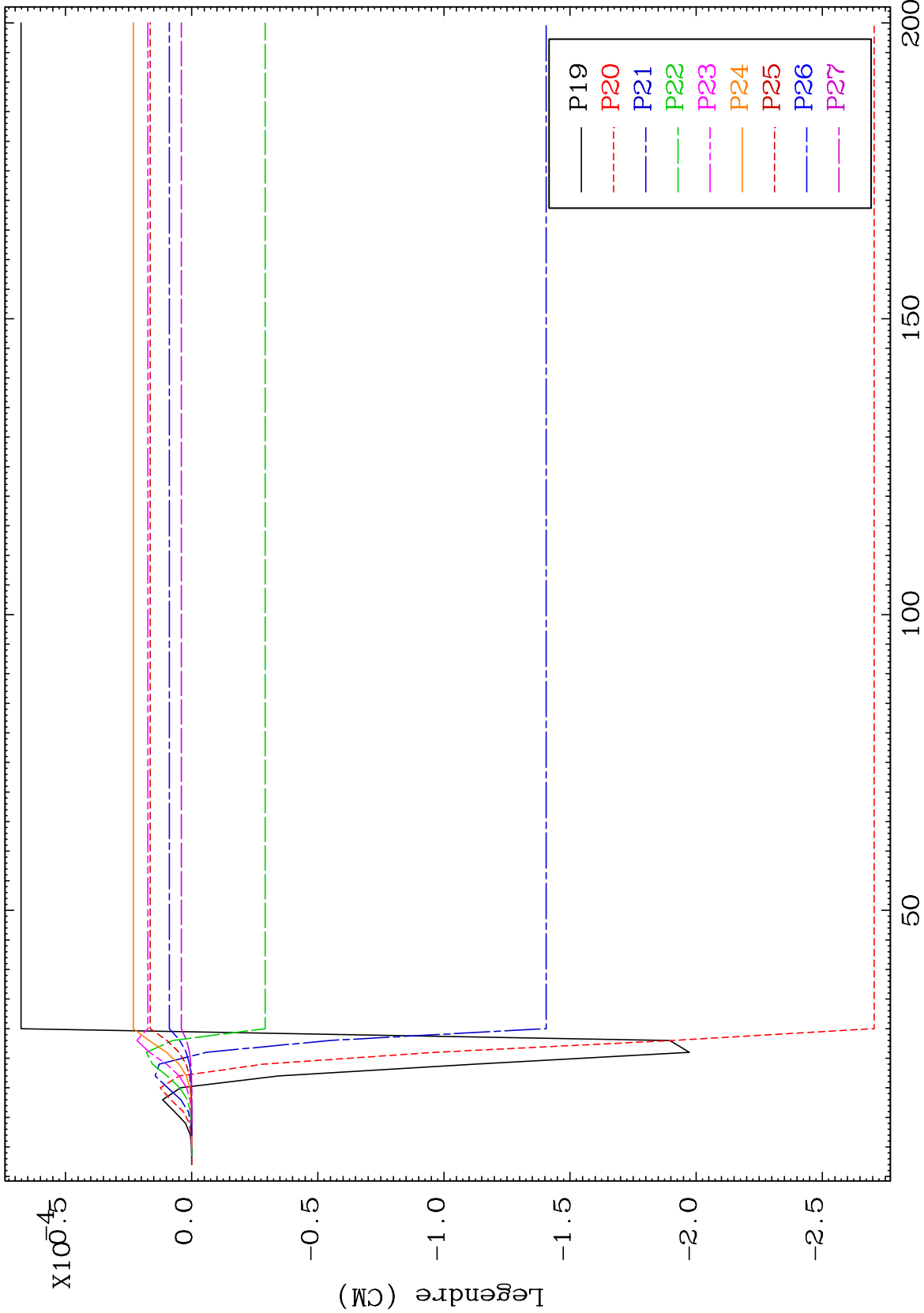
71-Lu-163



84

Incident Energy (MeV)

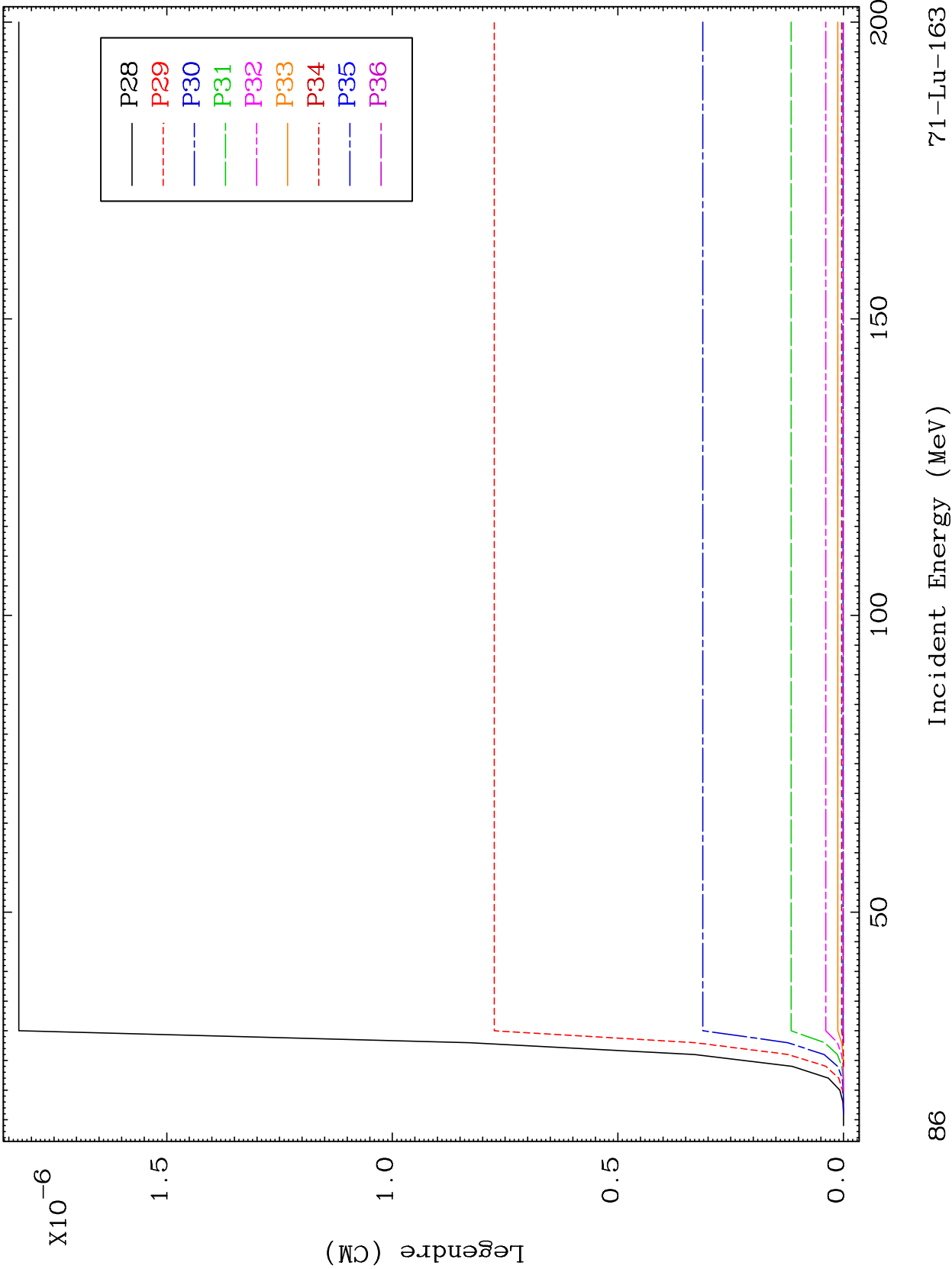
71-Lu-163



MAT 7089

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

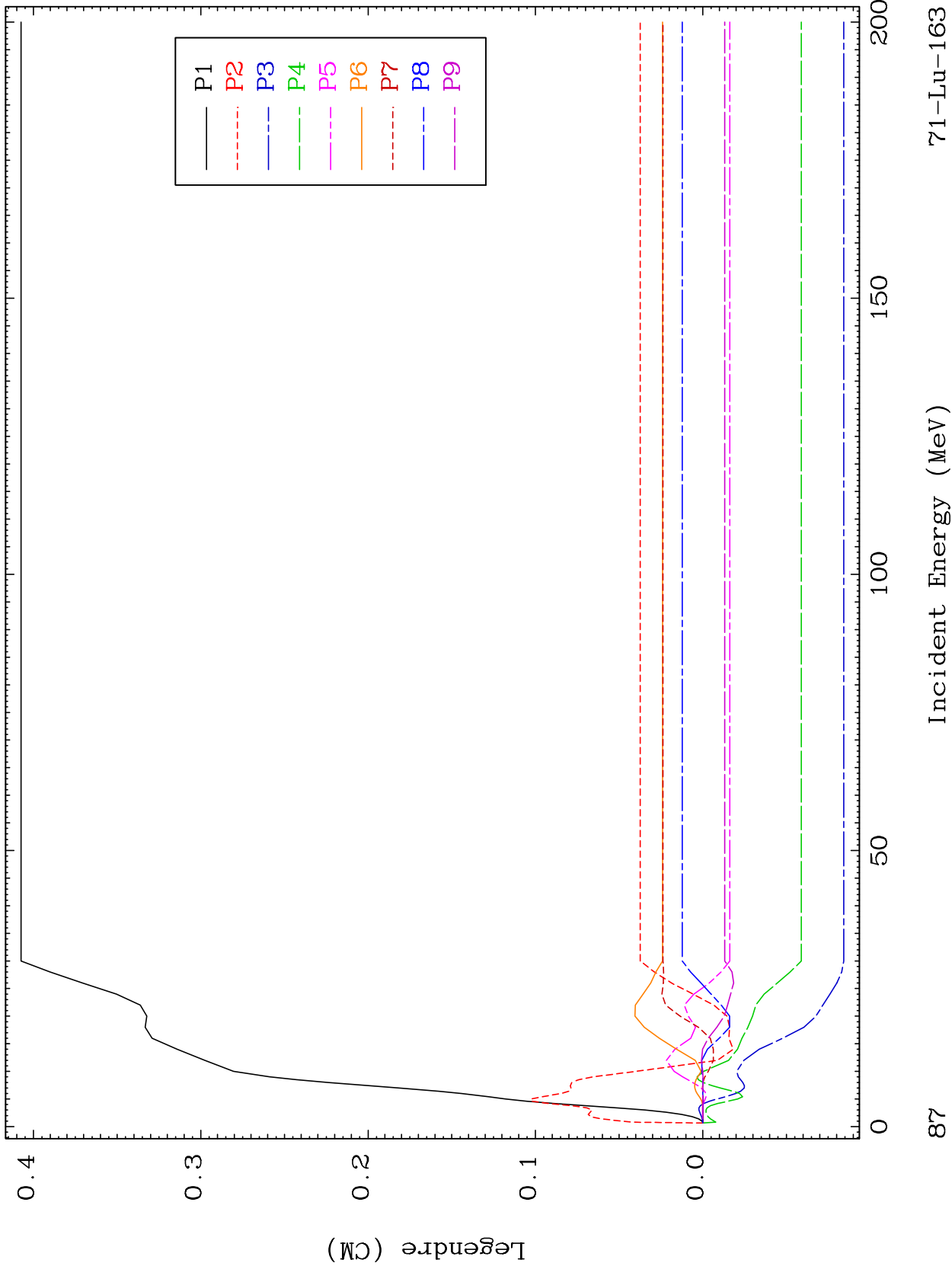
71-Lu-163



MAT 7089

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

71-Lu-163



71-Lu-163

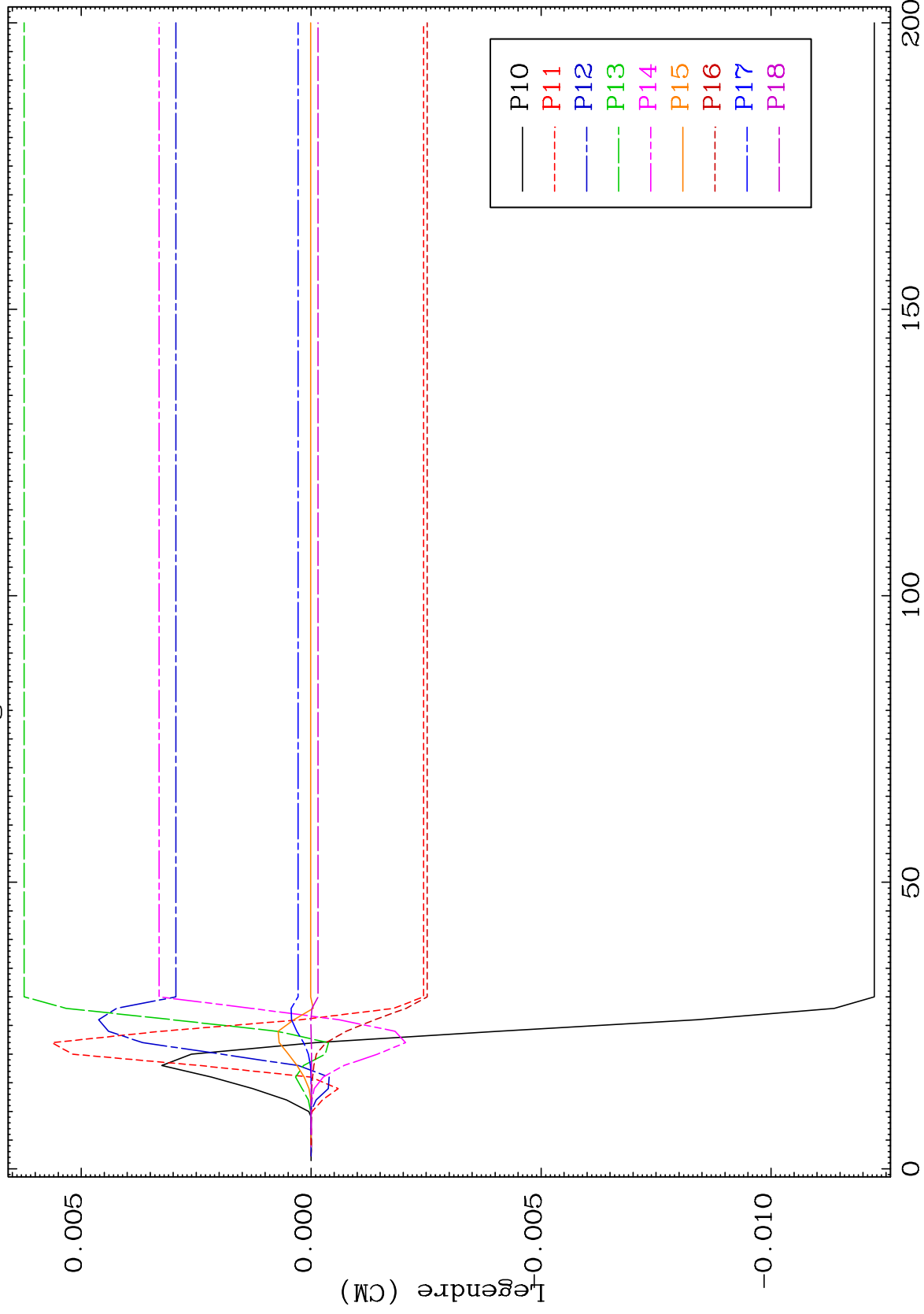
Incident Energy (MeV)

87

MAT 7089

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

71-Lu-163



88

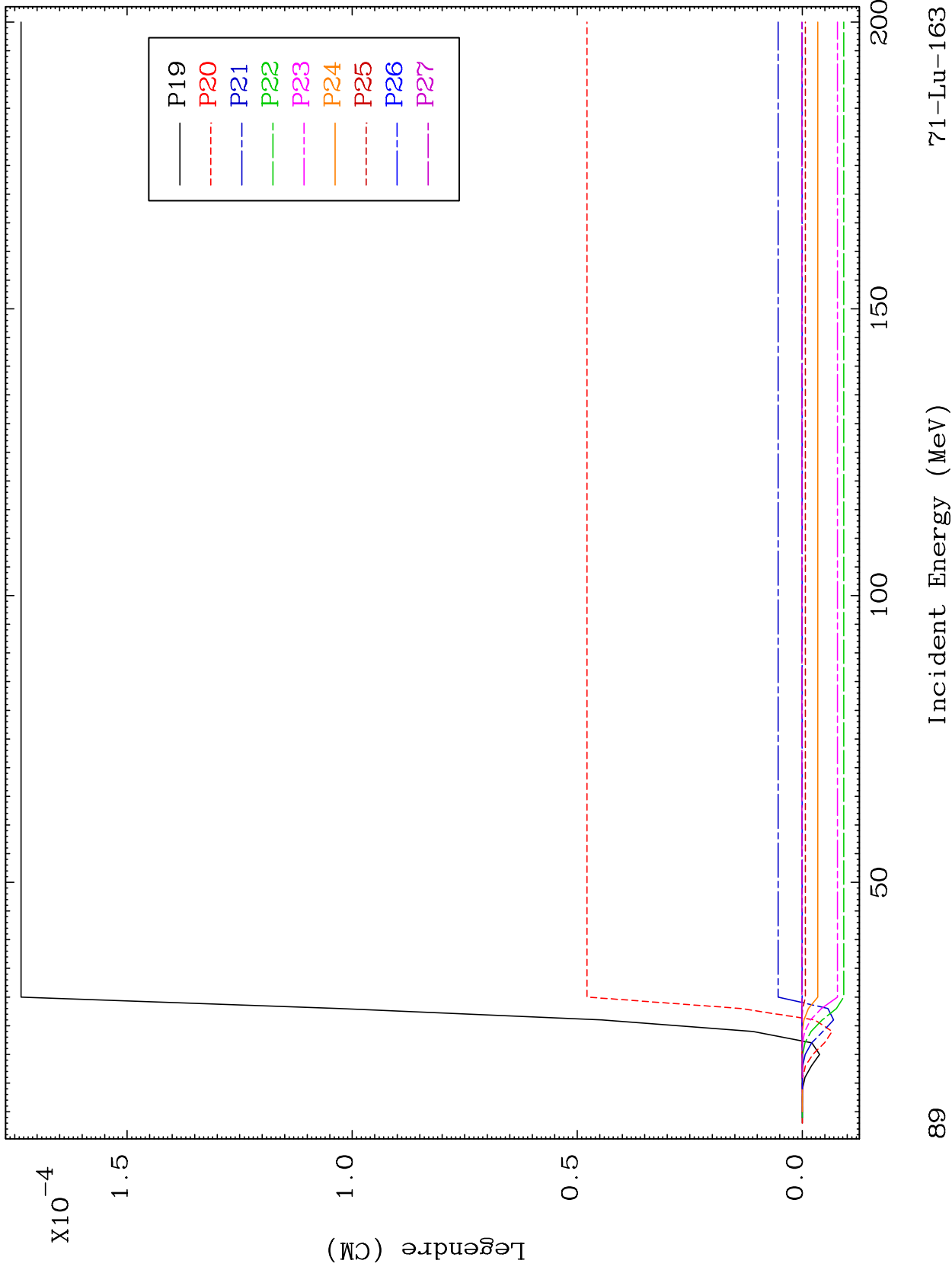
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



89

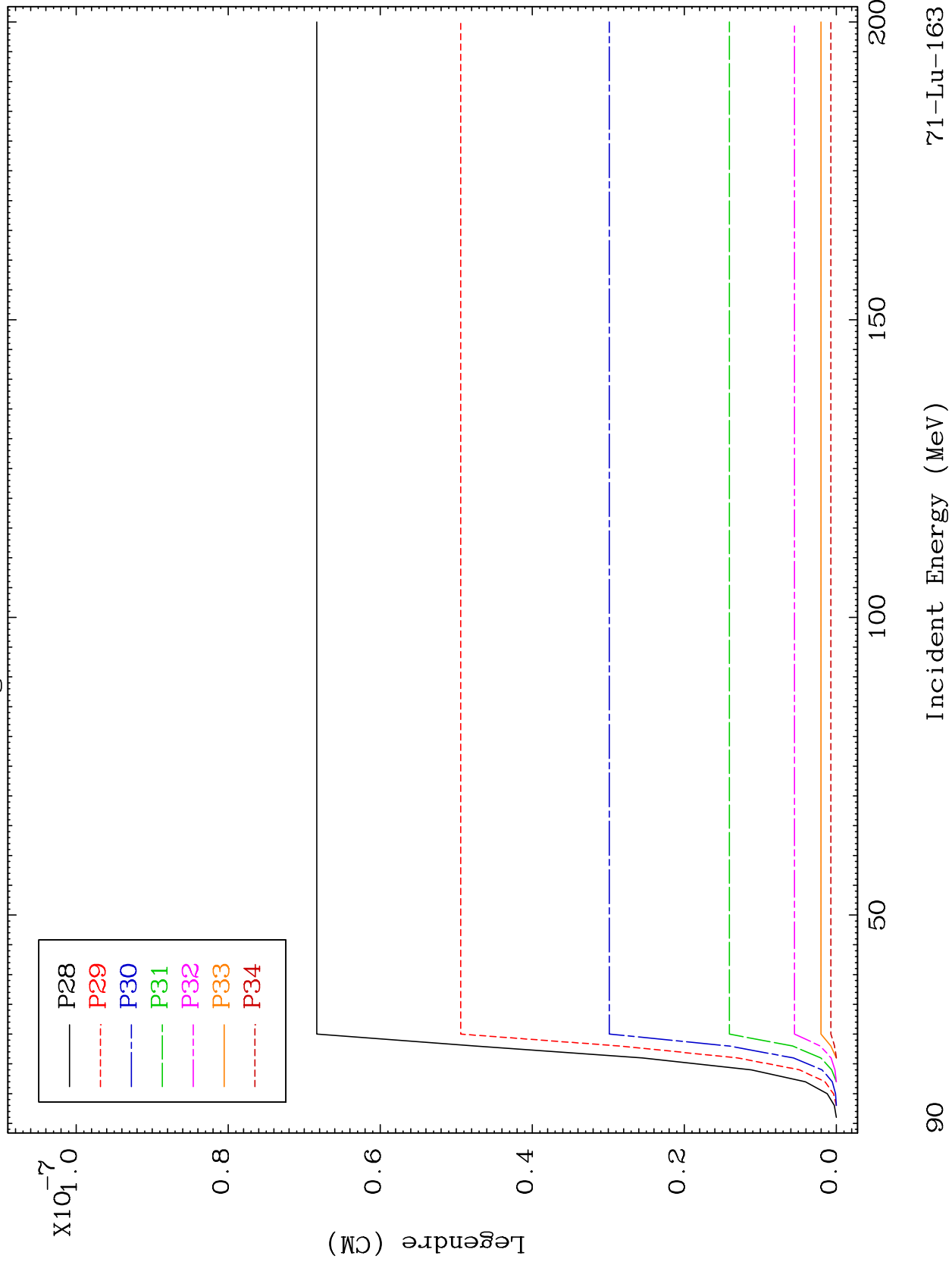
Incident Energy (MeV)

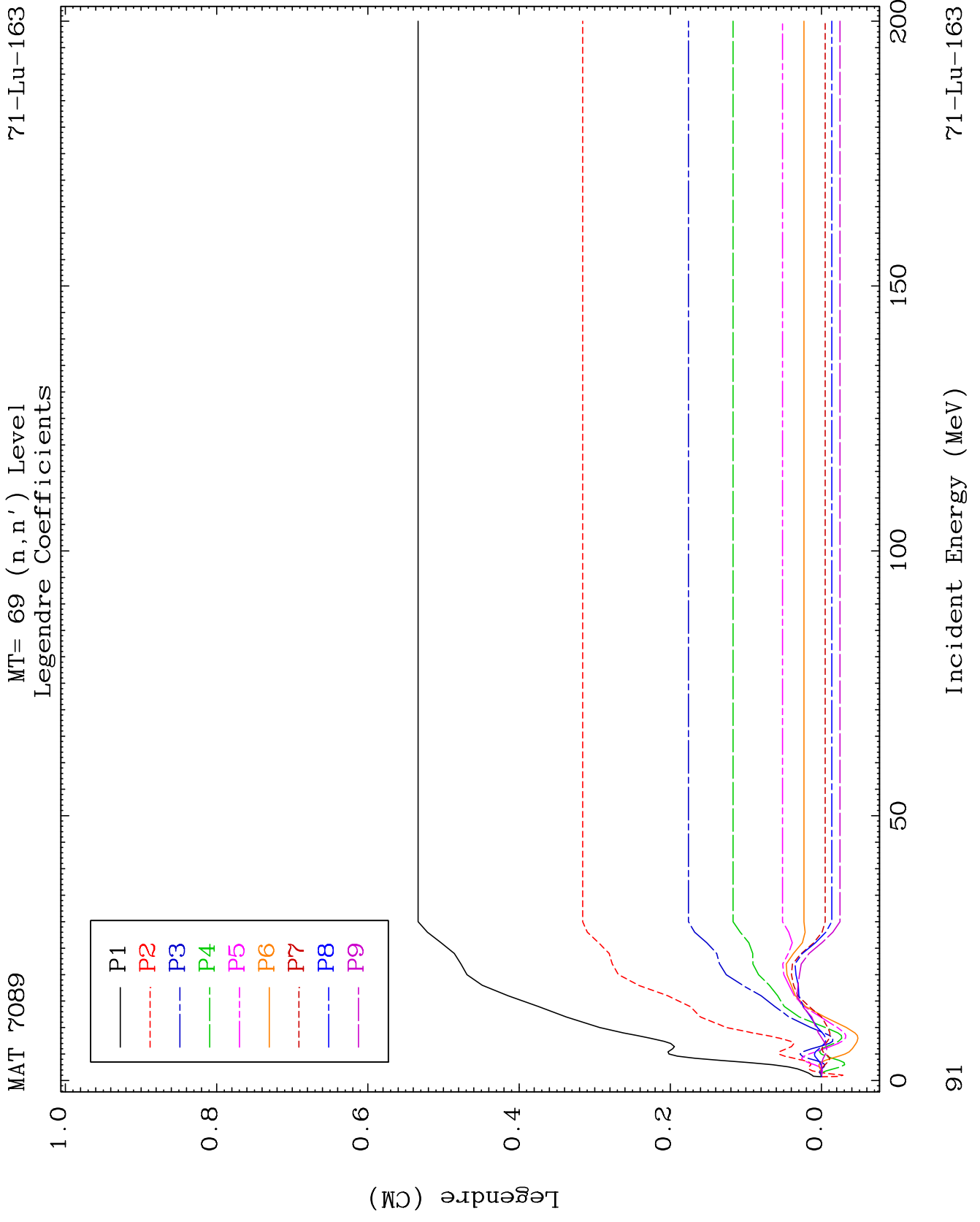
71-Lu-163

MAT 7089

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

71-Lu-163

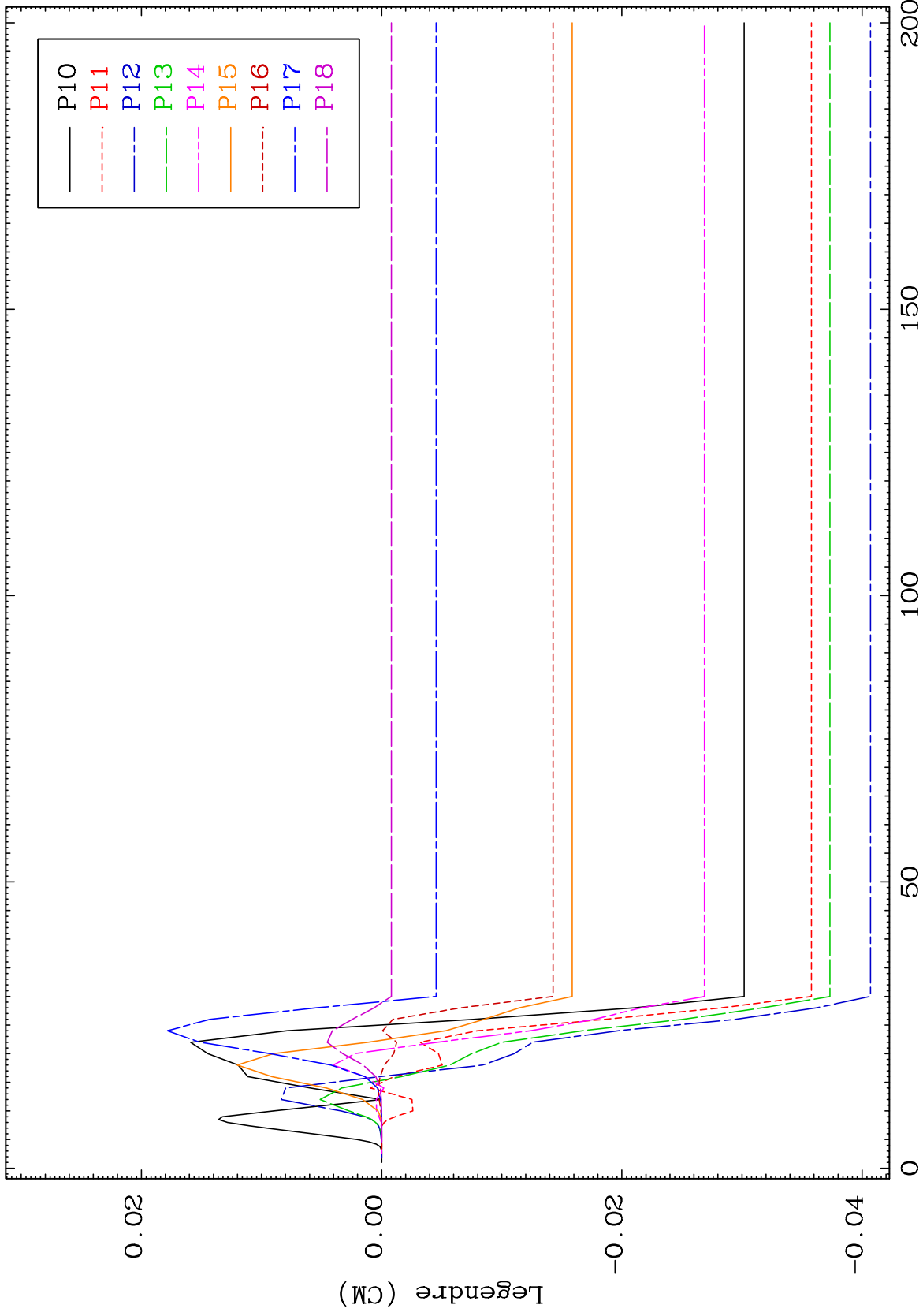




MAT 7089

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

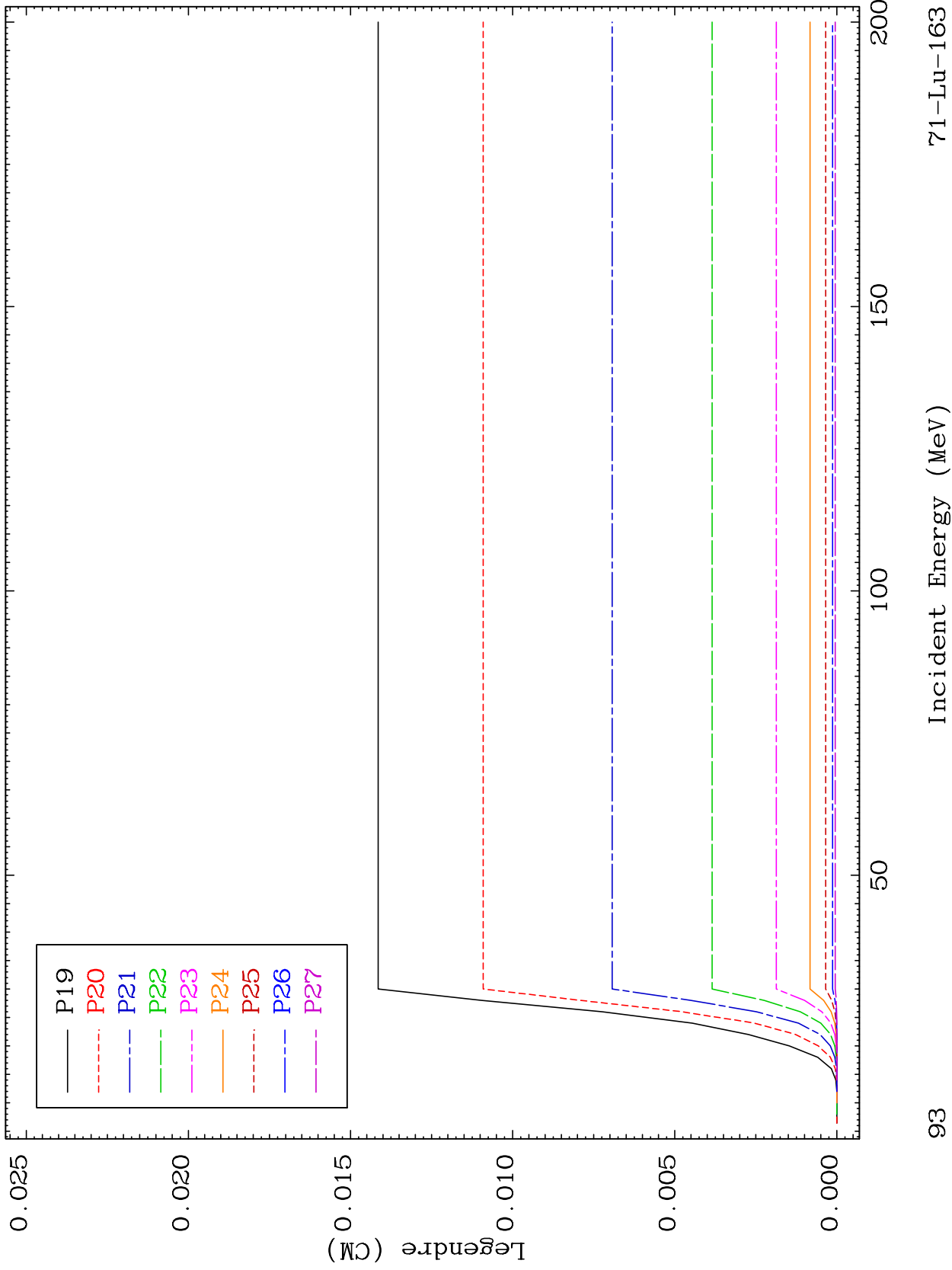
71-Lu-163



92

Incident Energy (MeV)

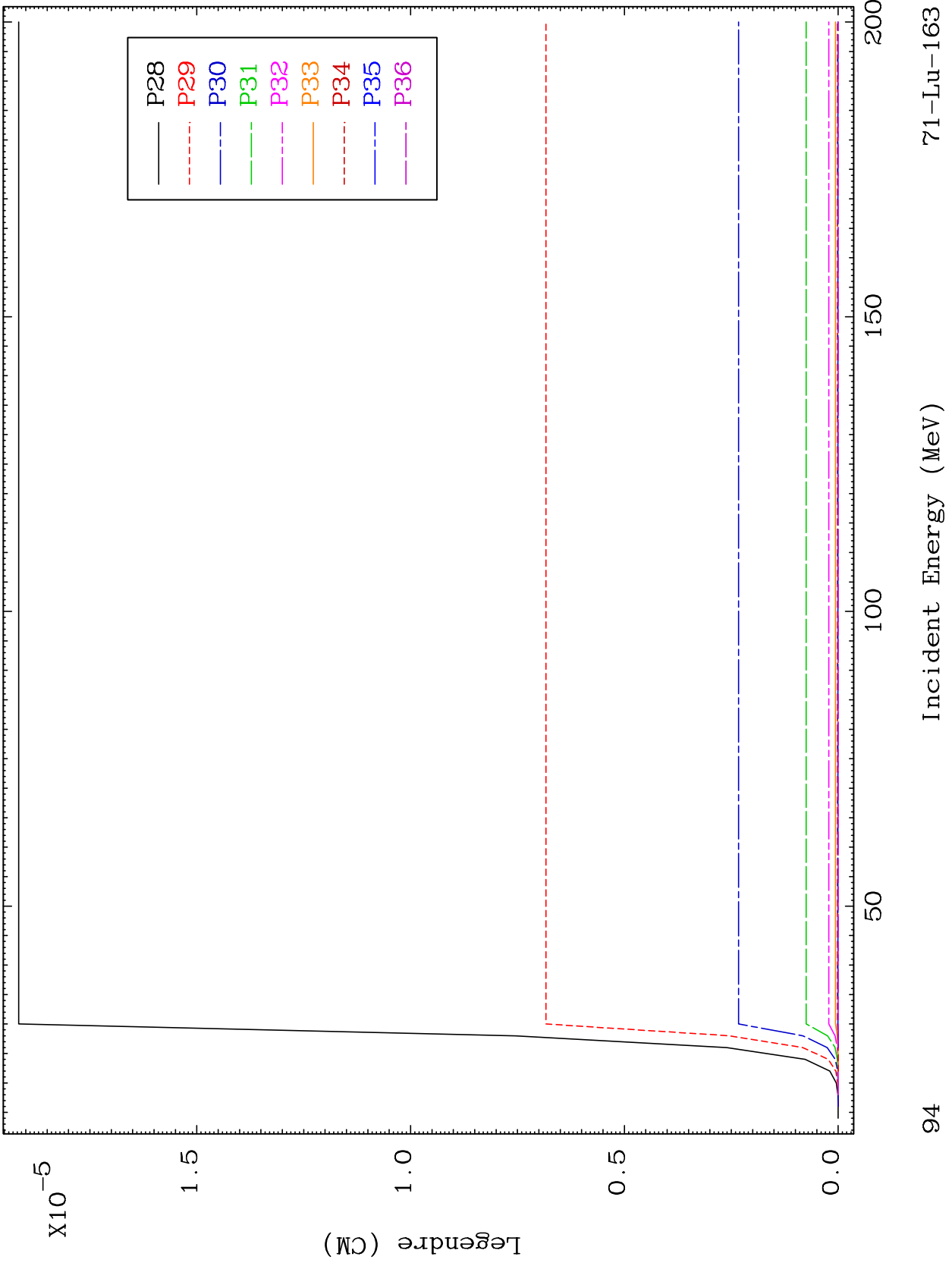
71-Lu-163



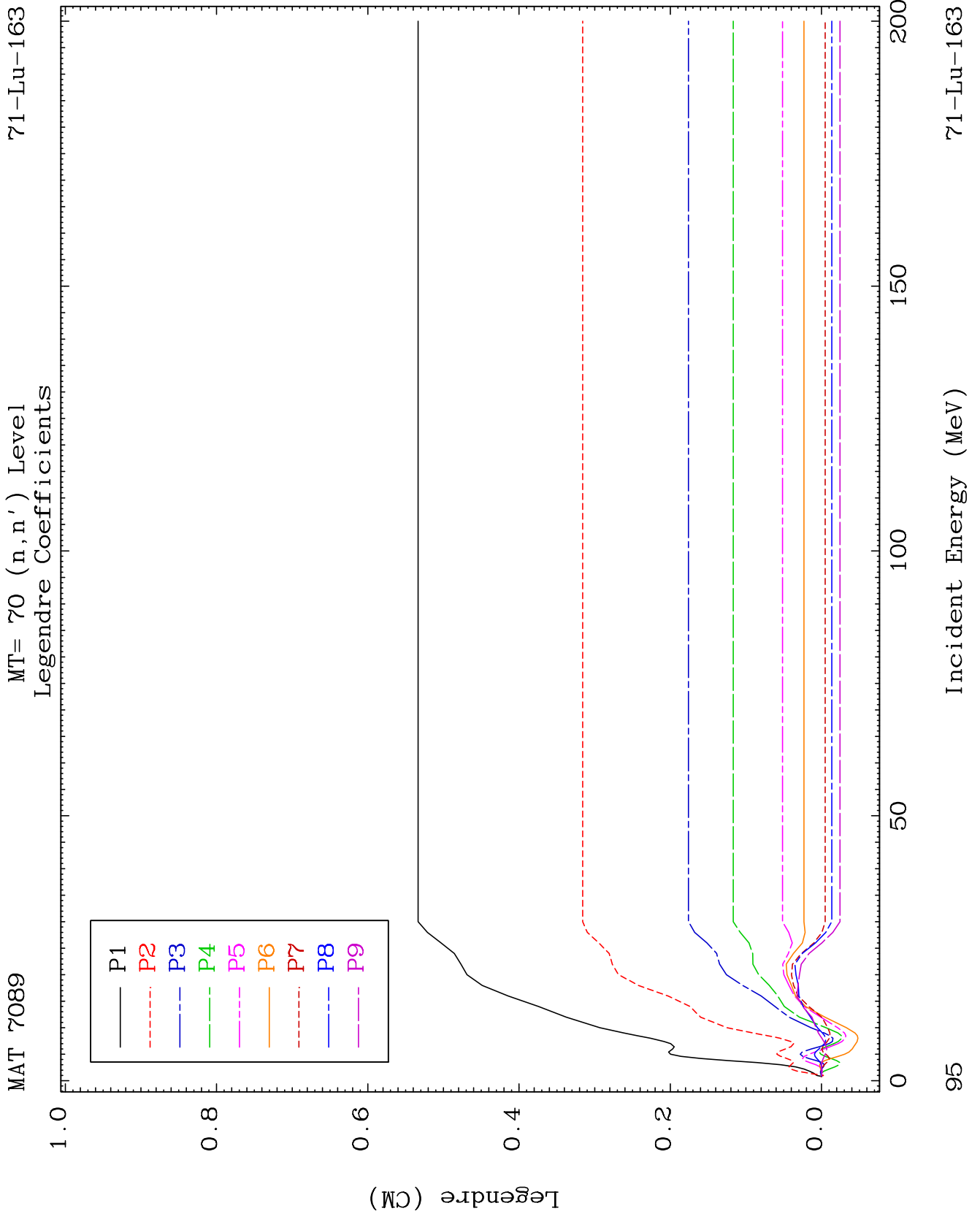
MAT 7089

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

71-Lu-163



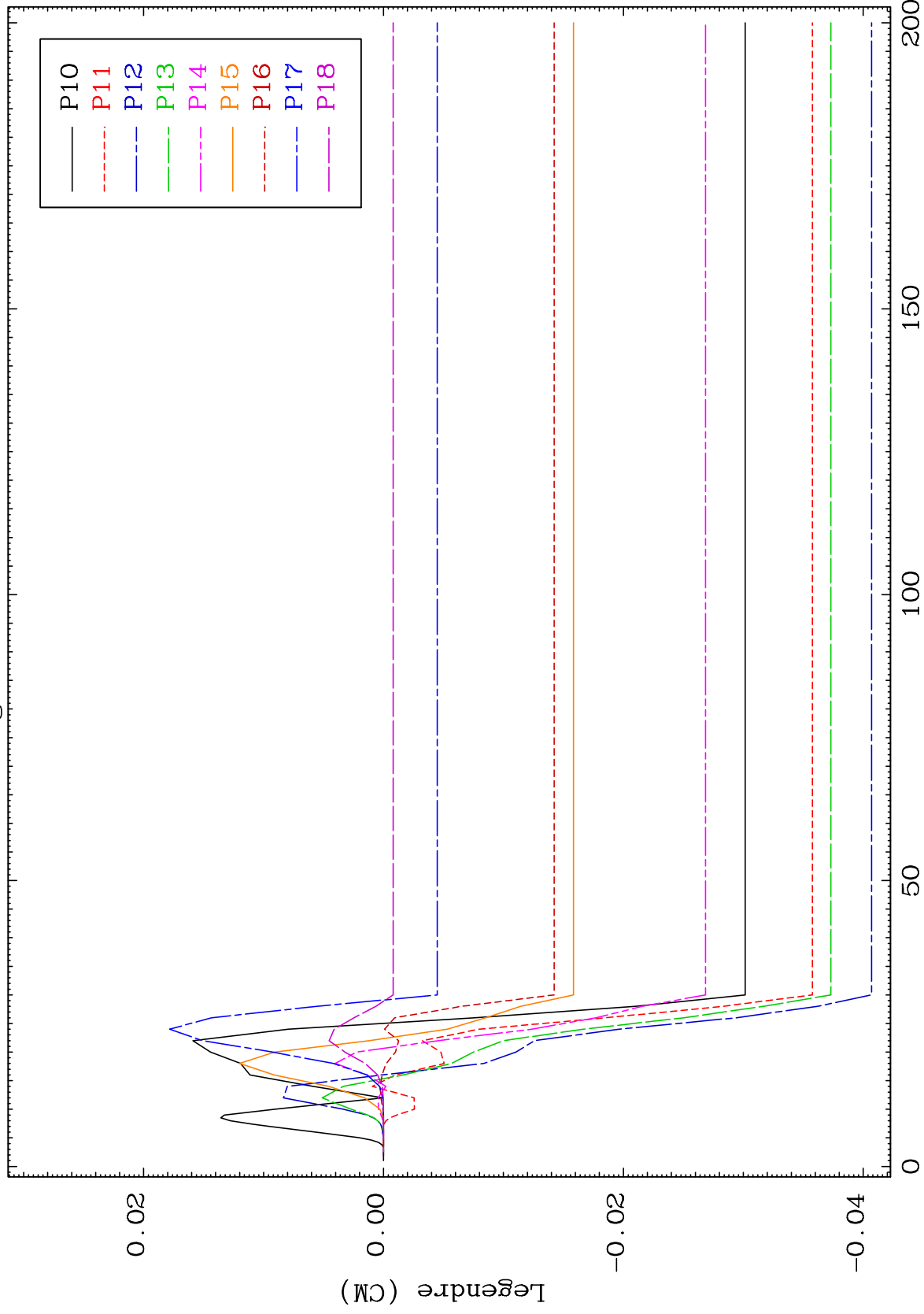
94



MAT 7089

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

71-Lu-163



96

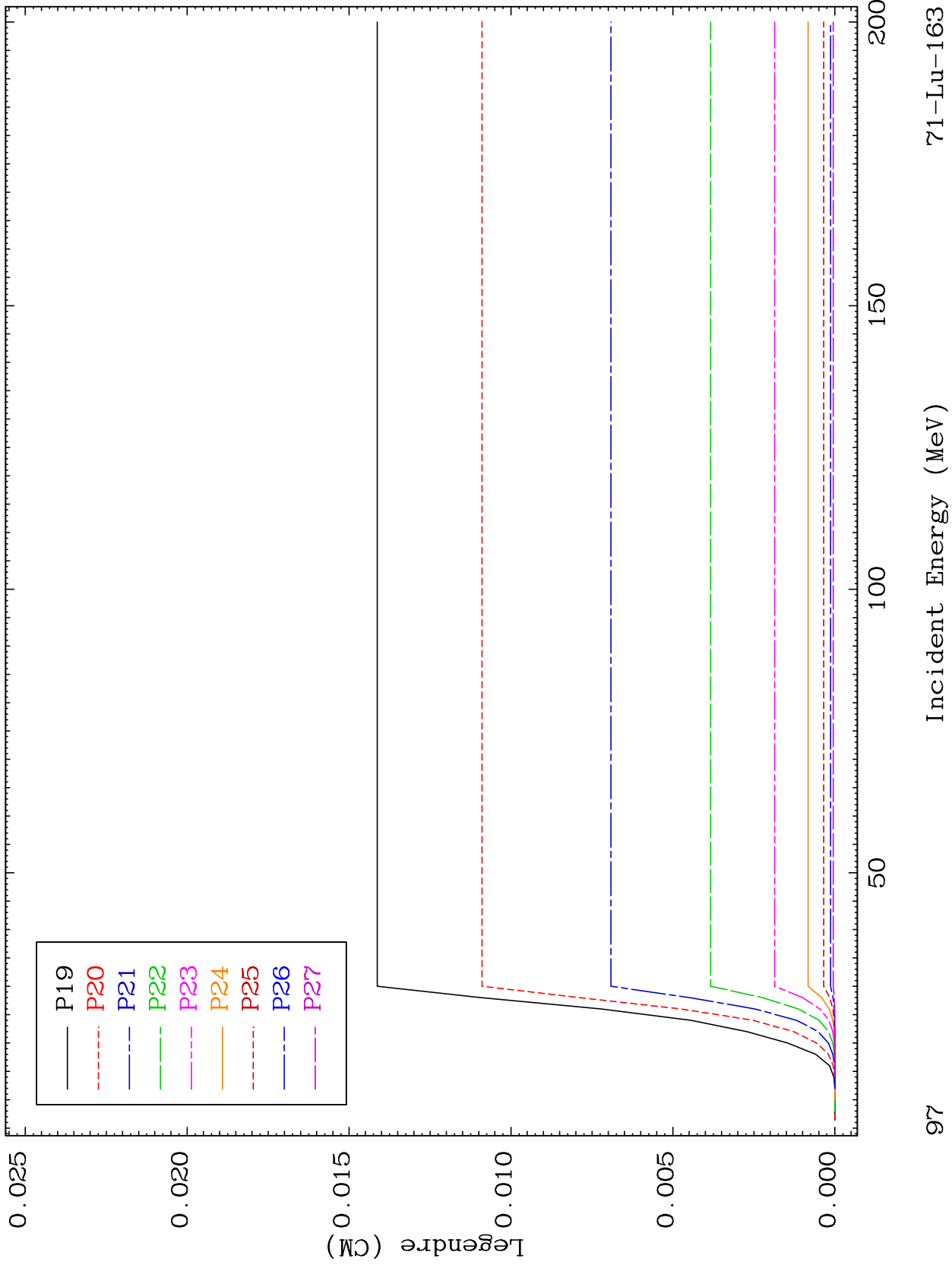
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



97

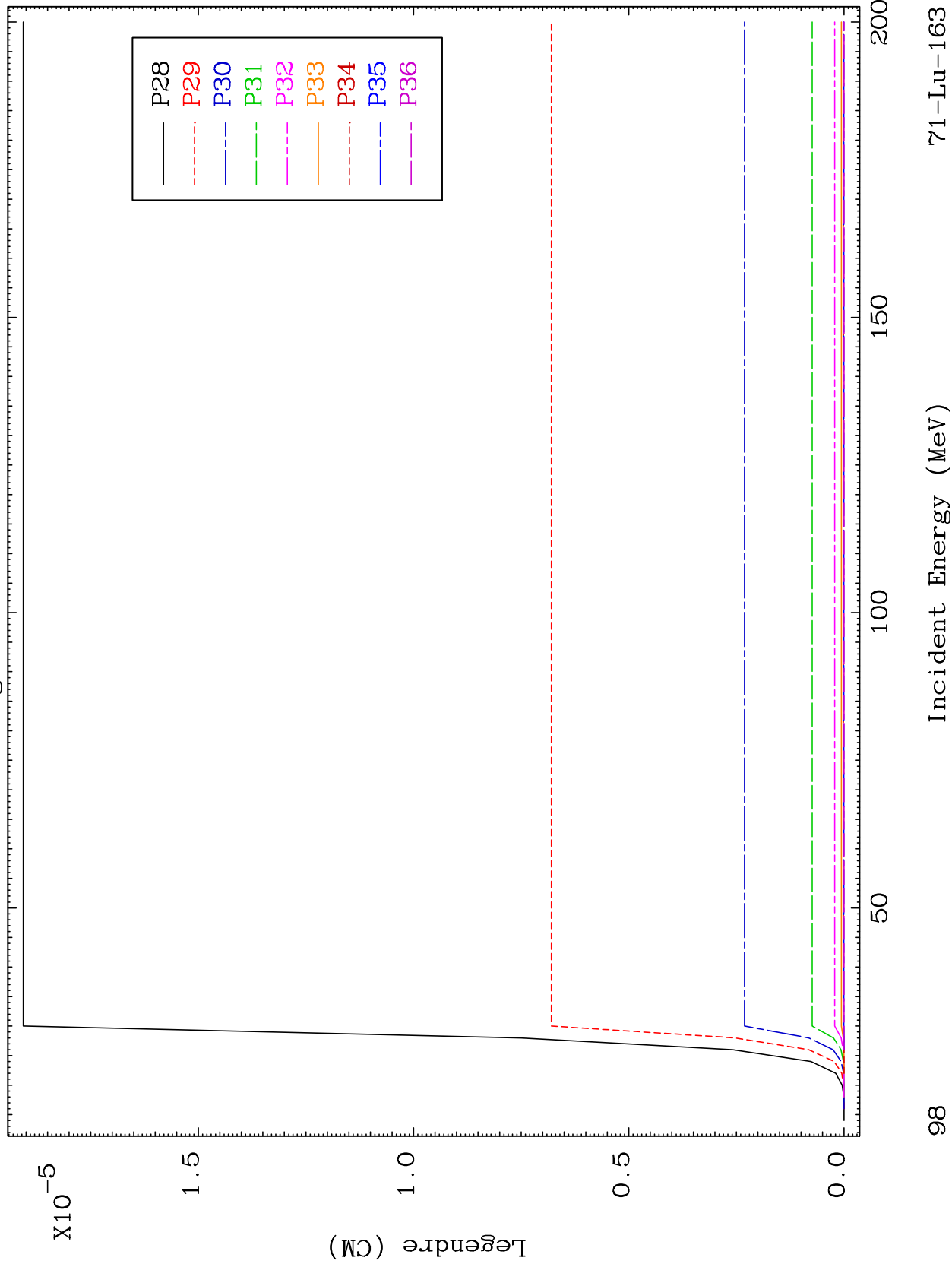
Incident Energy (MeV)

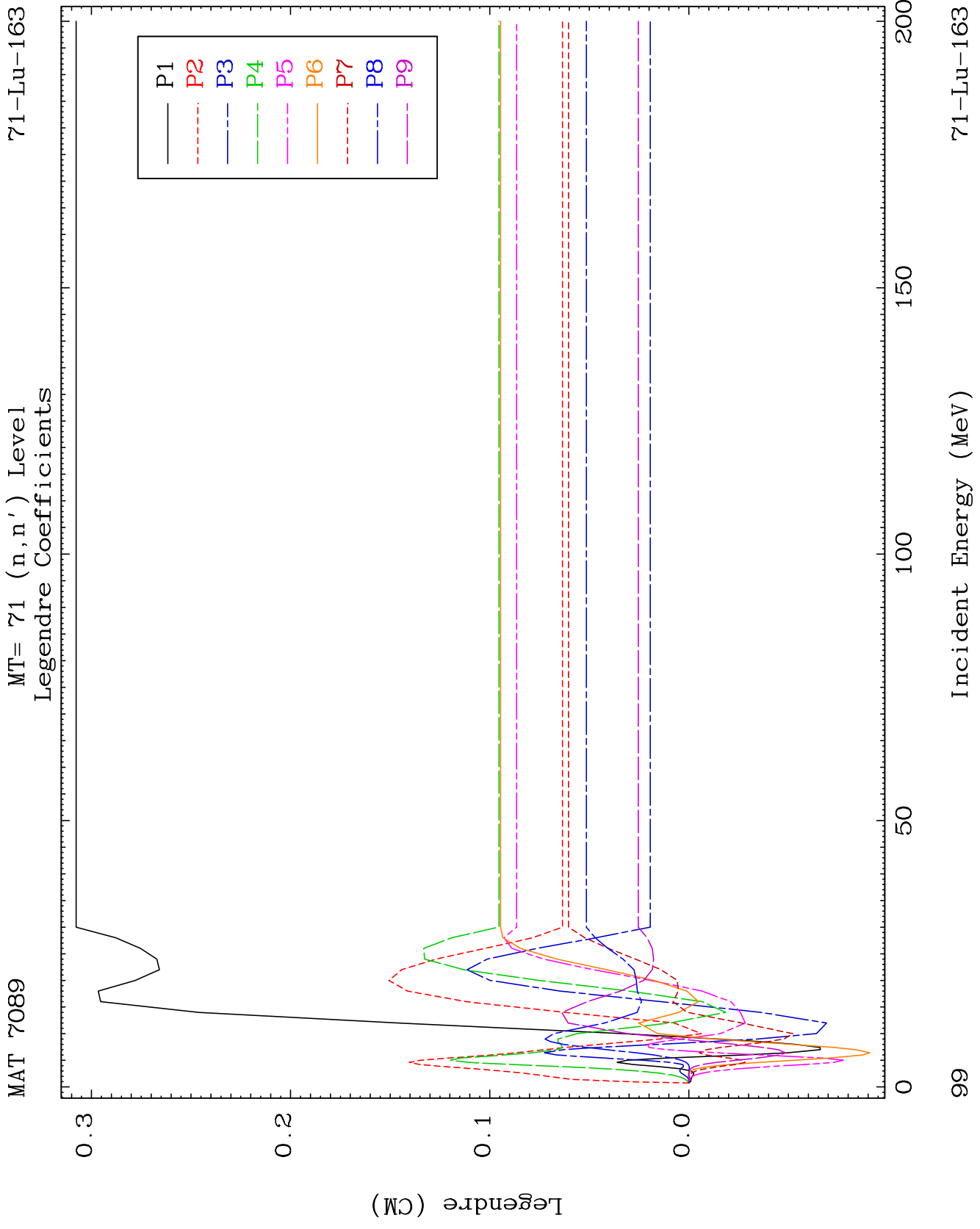
71-Lu-163

MAT 7089

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

71-Lu-163

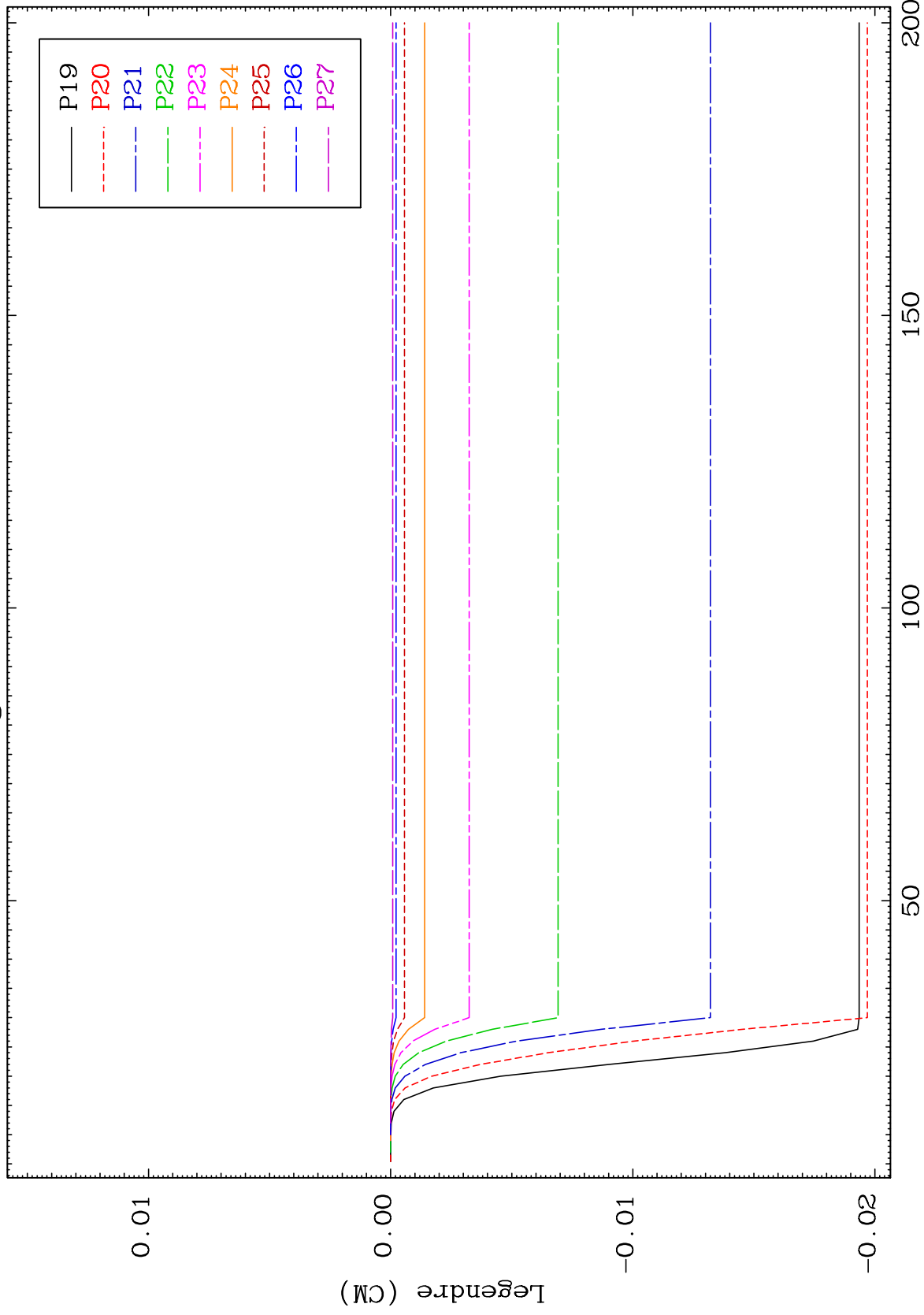




MAT 7089

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

71-Lu-163



101

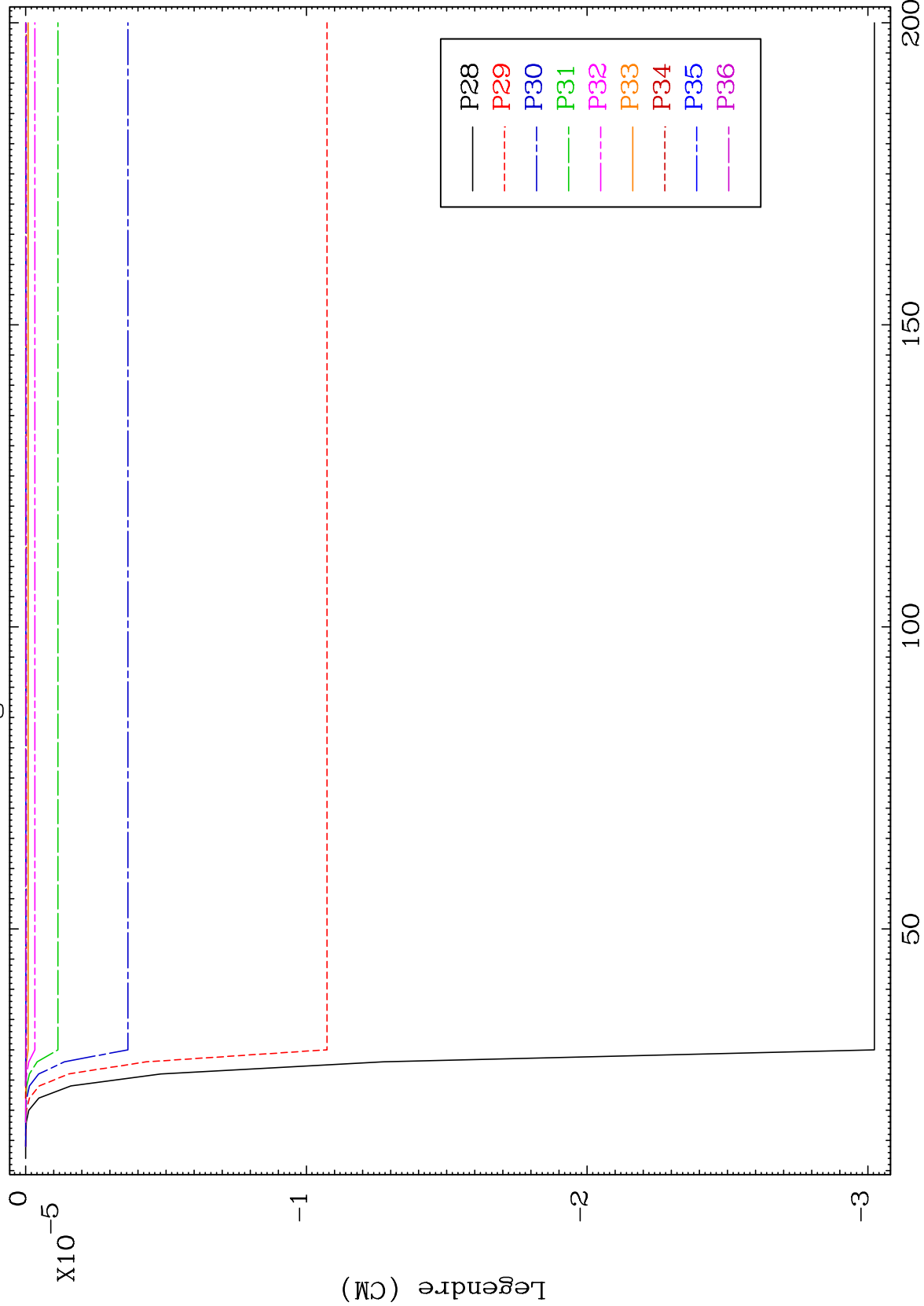
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



71-Lu-163

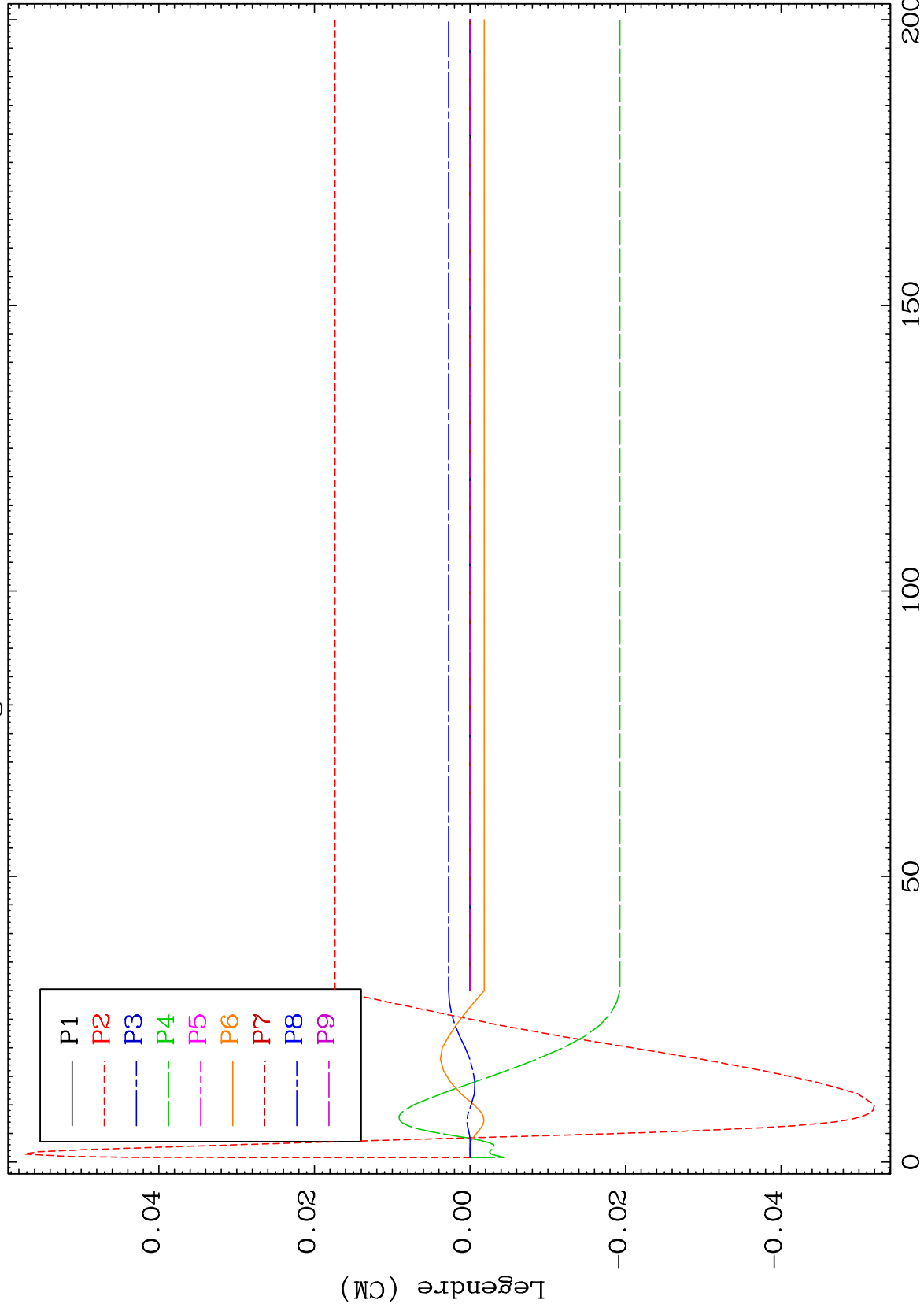
Incident Energy (MeV)

102

MAT 7089

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

71-Lu-163



103

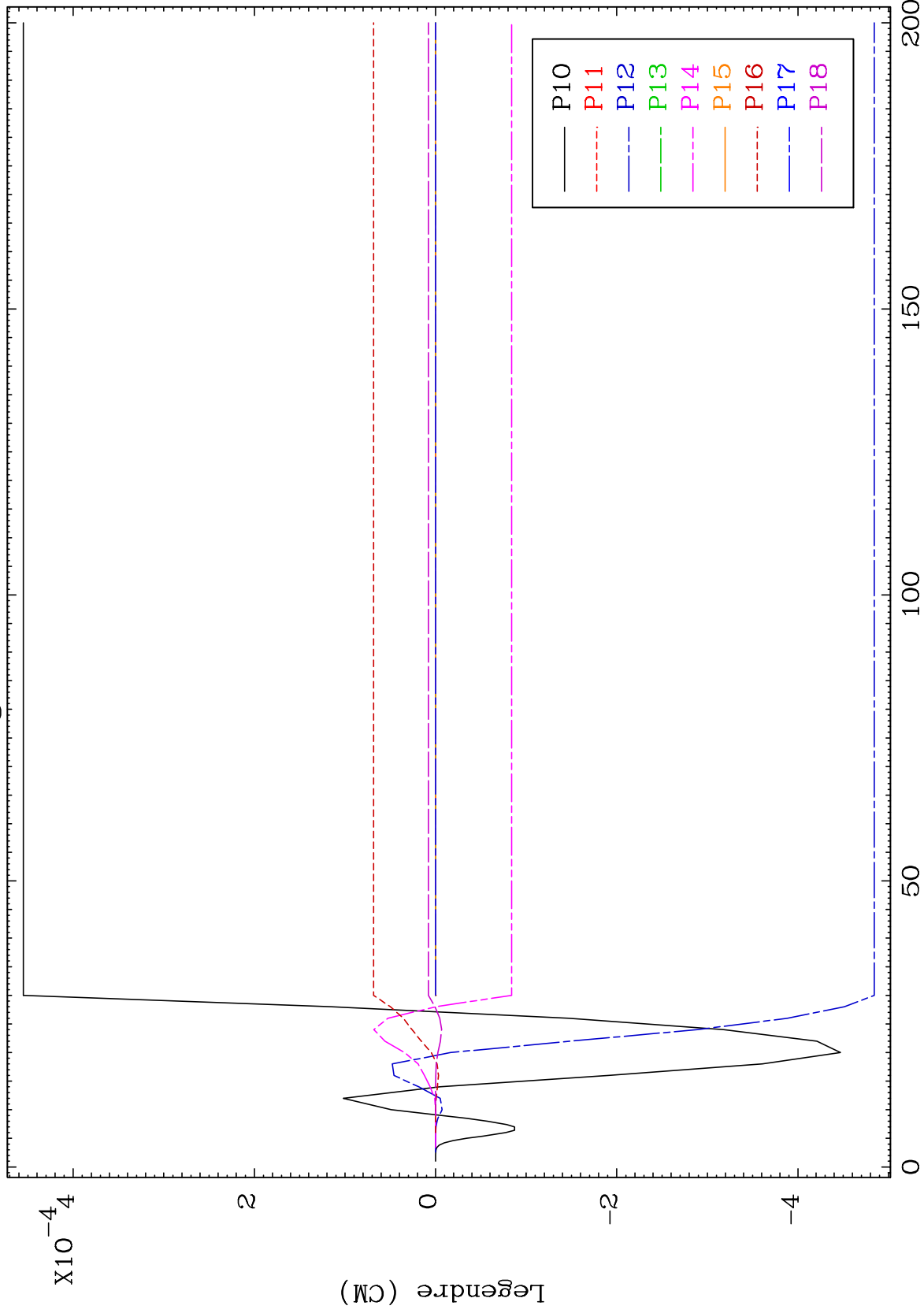
Incident Energy (MeV)

71-Lu-163

MAT 7089

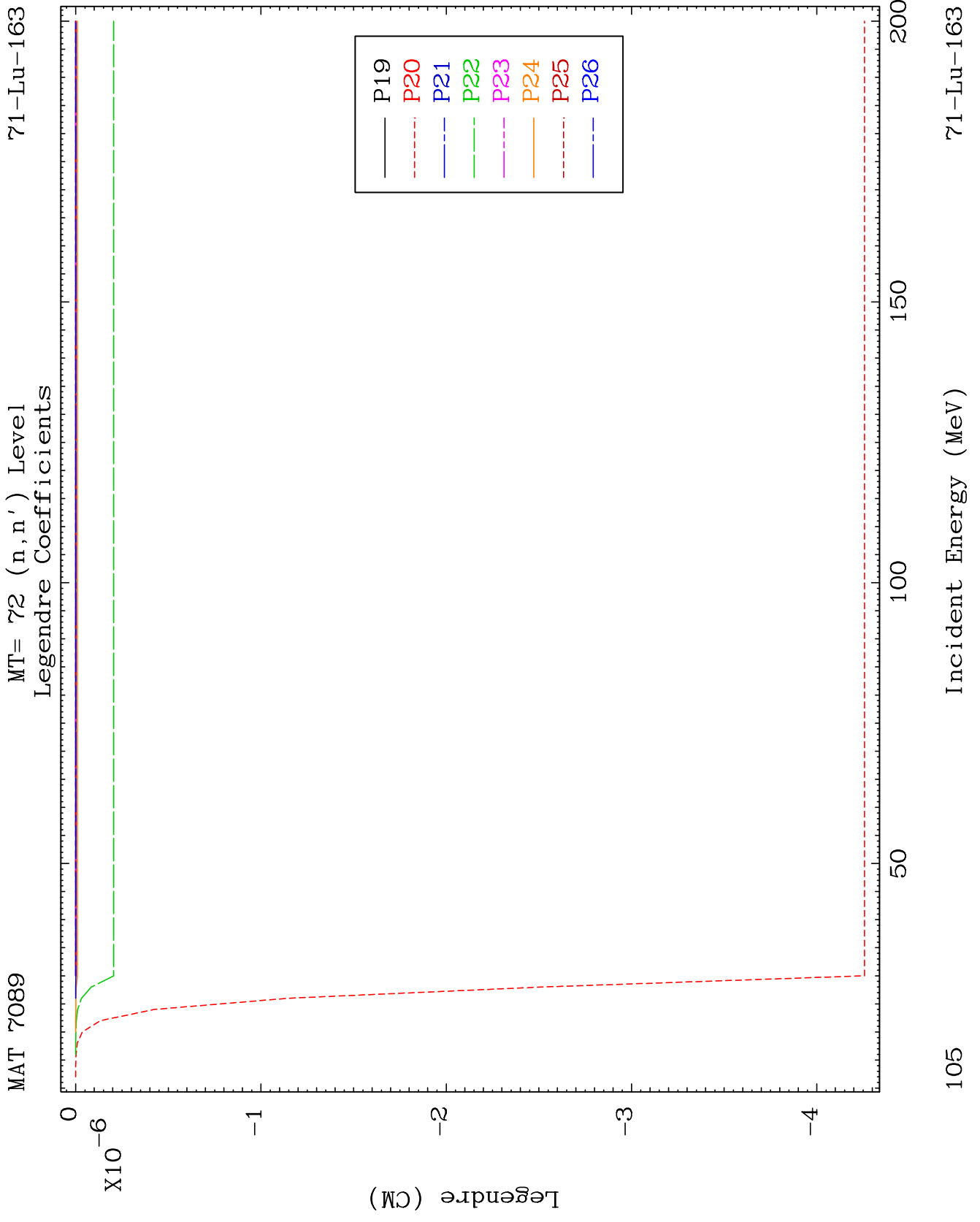
MT= 72 (n,n') Level
Legendre Coefficients

71-Lu-163



104

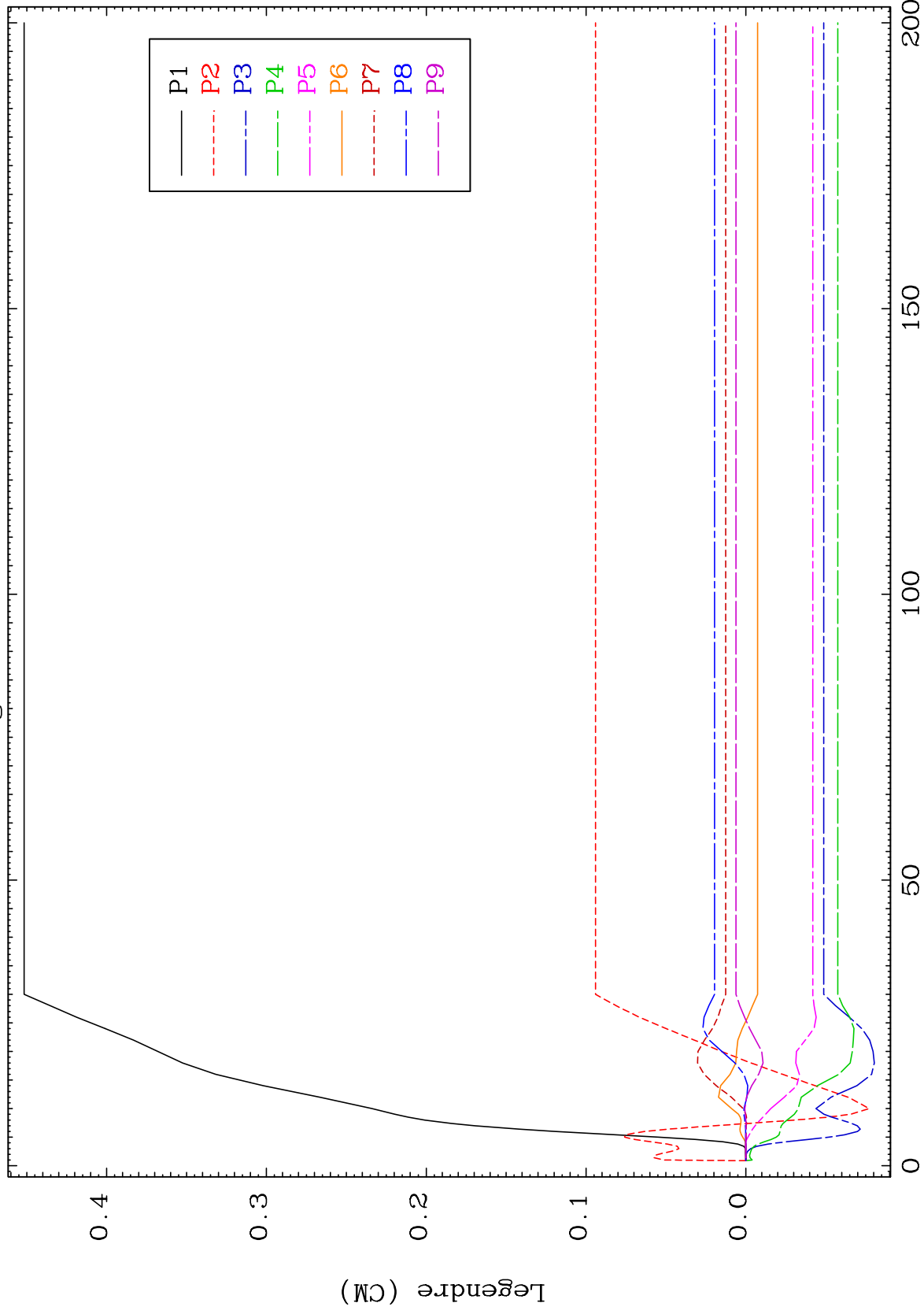
71-Lu-163



MAT 7089

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

71-Lu-163



71-Lu-163

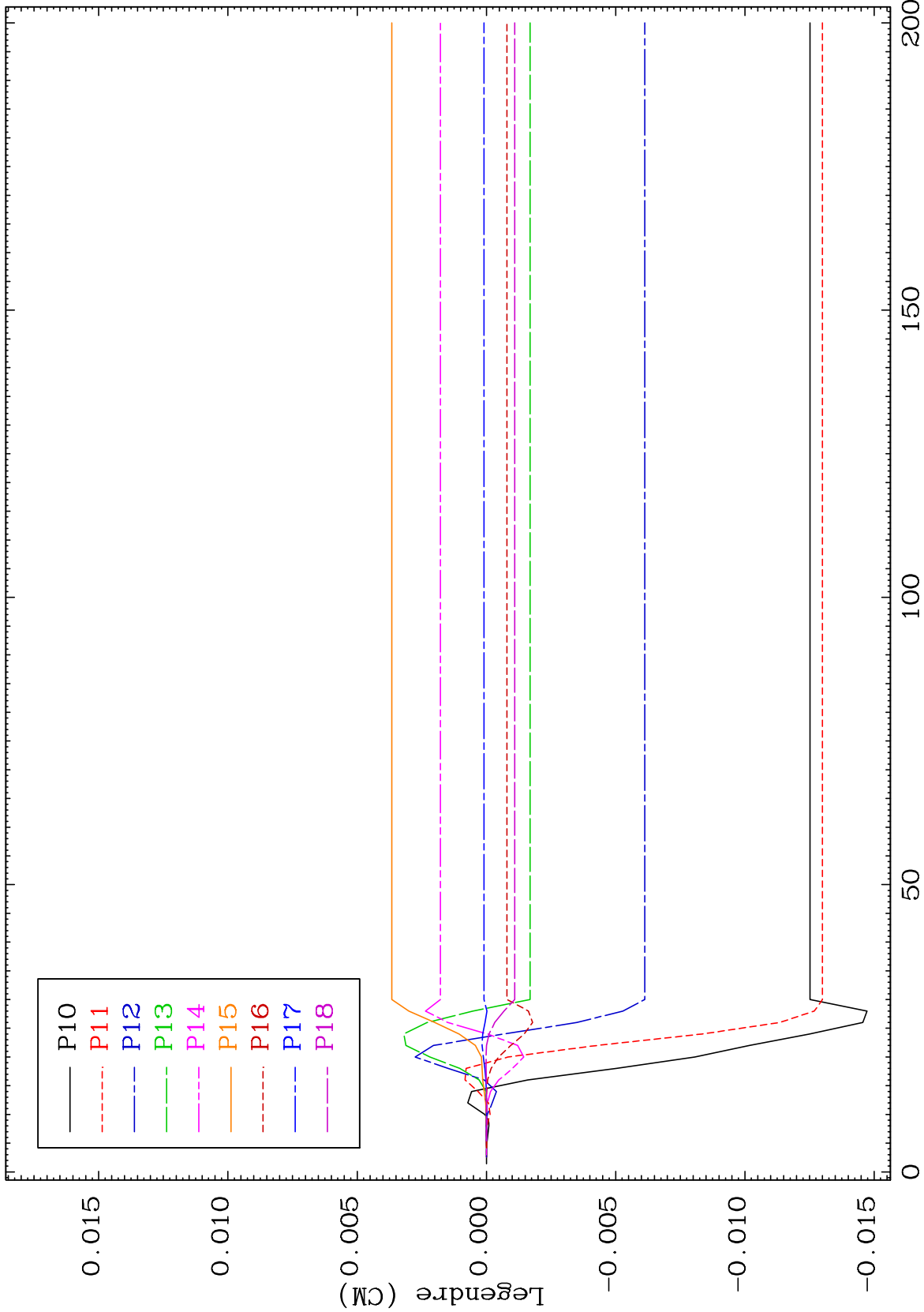
Incident Energy (MeV)

106

MAT 7089

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

71-Lu-163



107

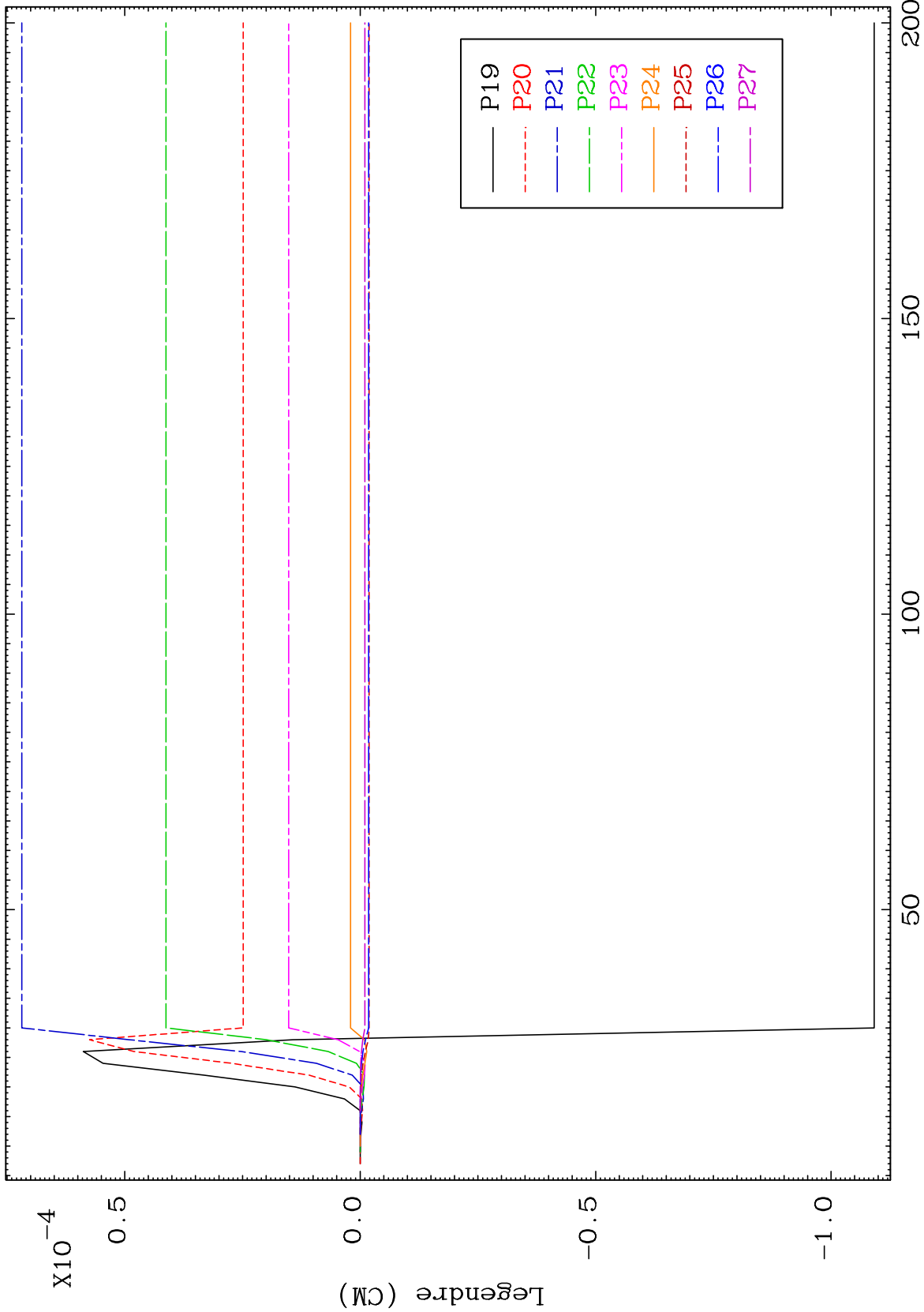
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



108

Incident Energy (MeV)

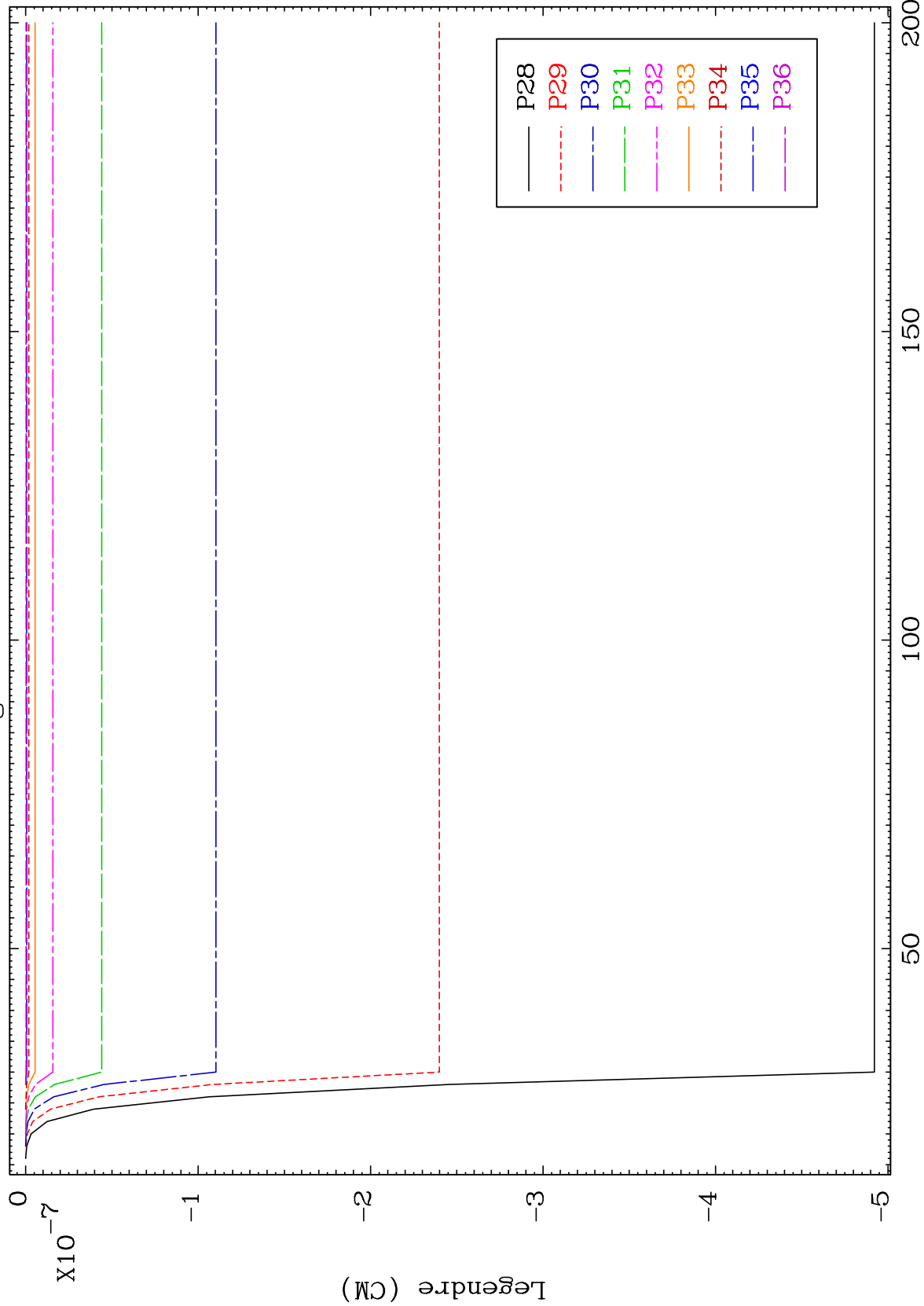
71-Lu-163

MAT 7089

MT= 73 (n,n') Level

71-Lu-163

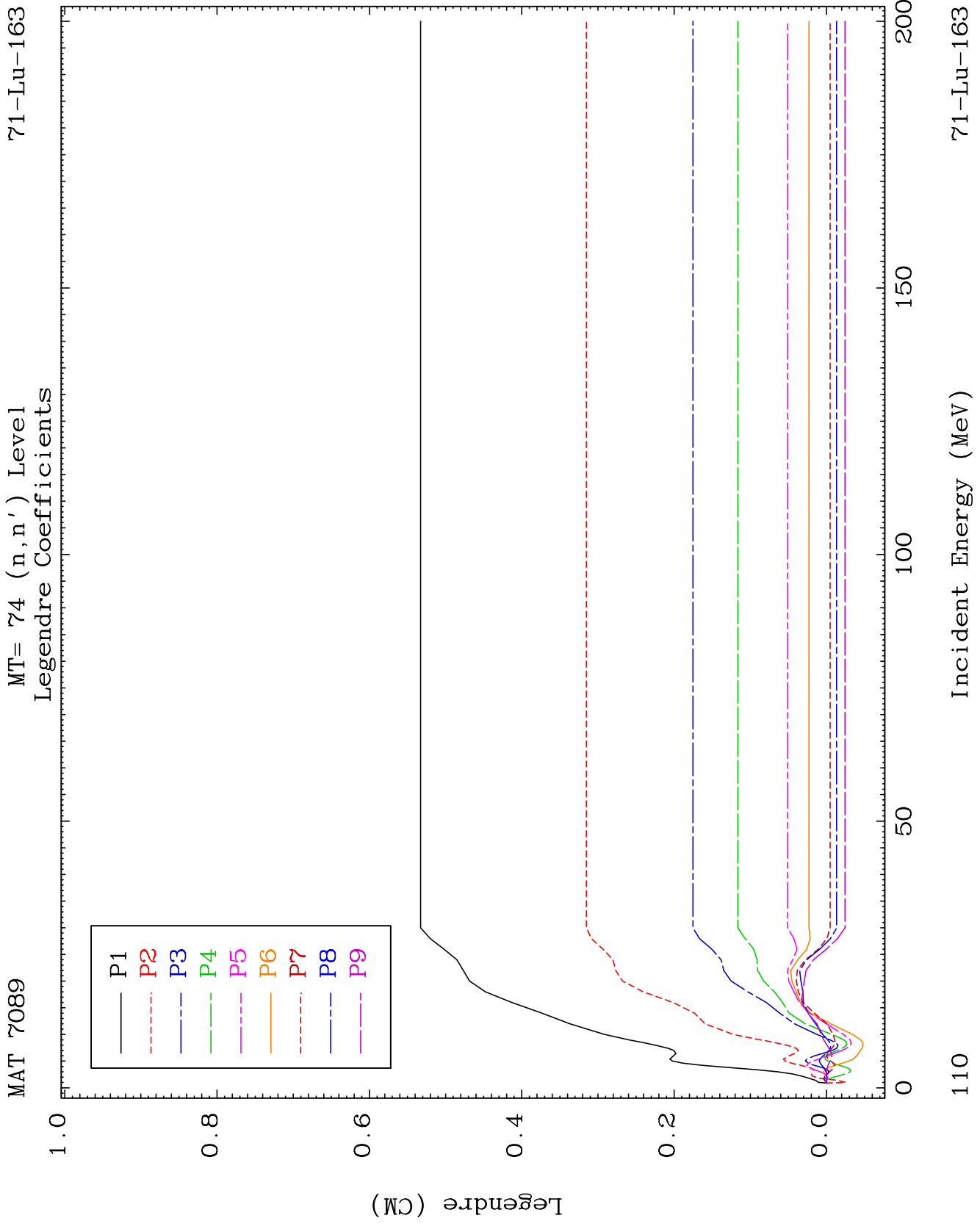
Legendre Coefficients



71-Lu-163

Incident Energy (MeV)

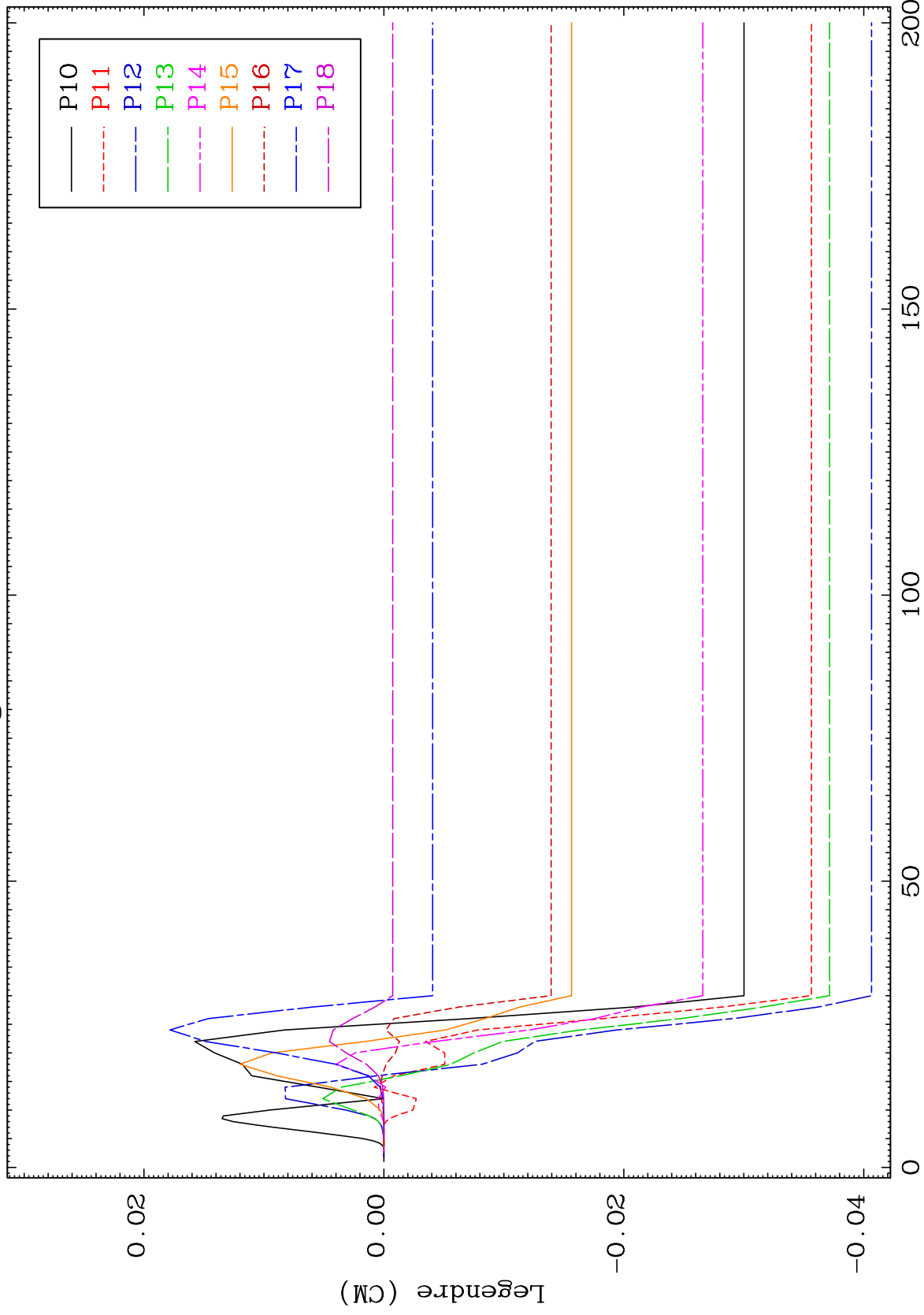
109



MAT 7089

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

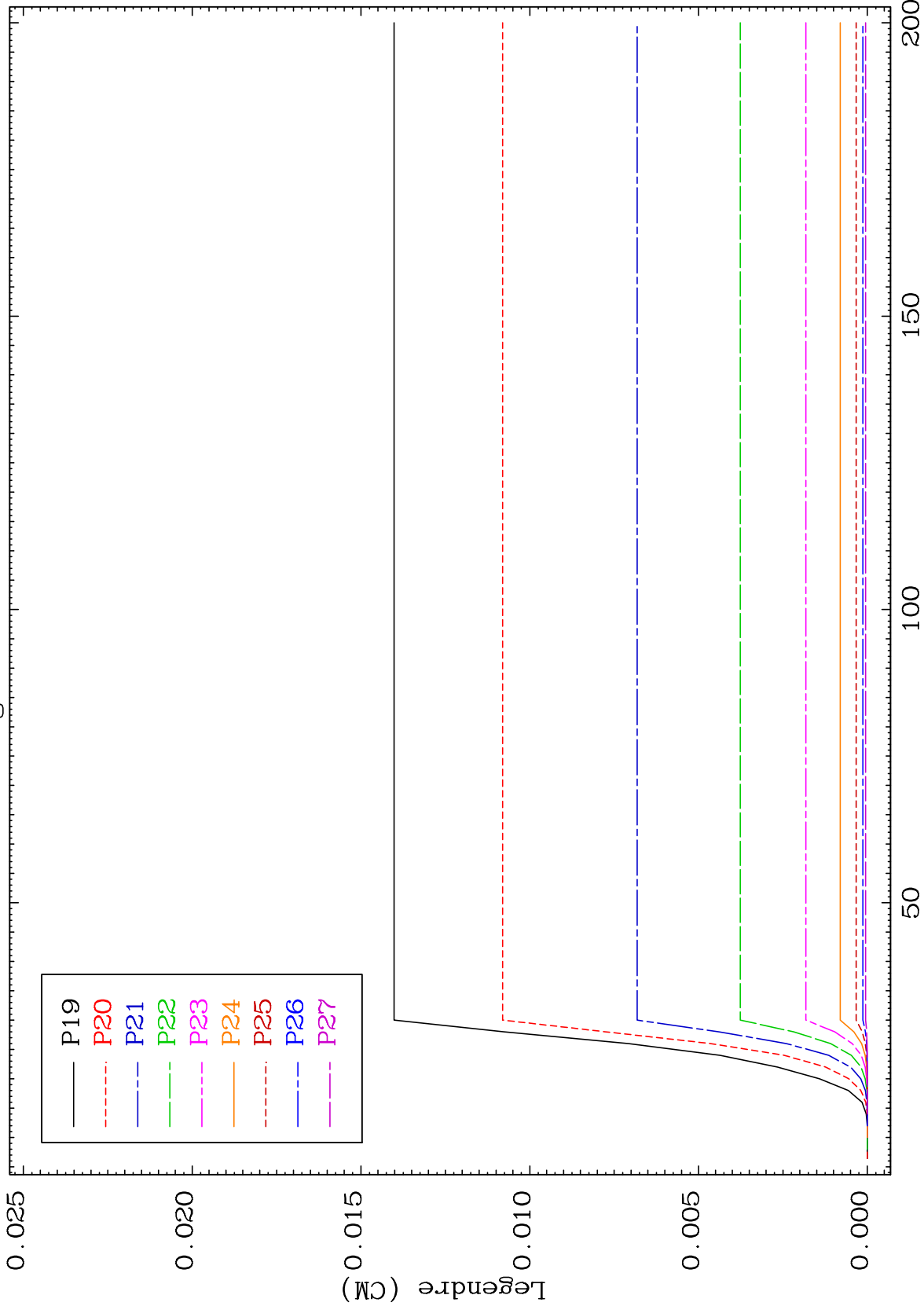
71-Lu-163



111

Incident Energy (MeV)

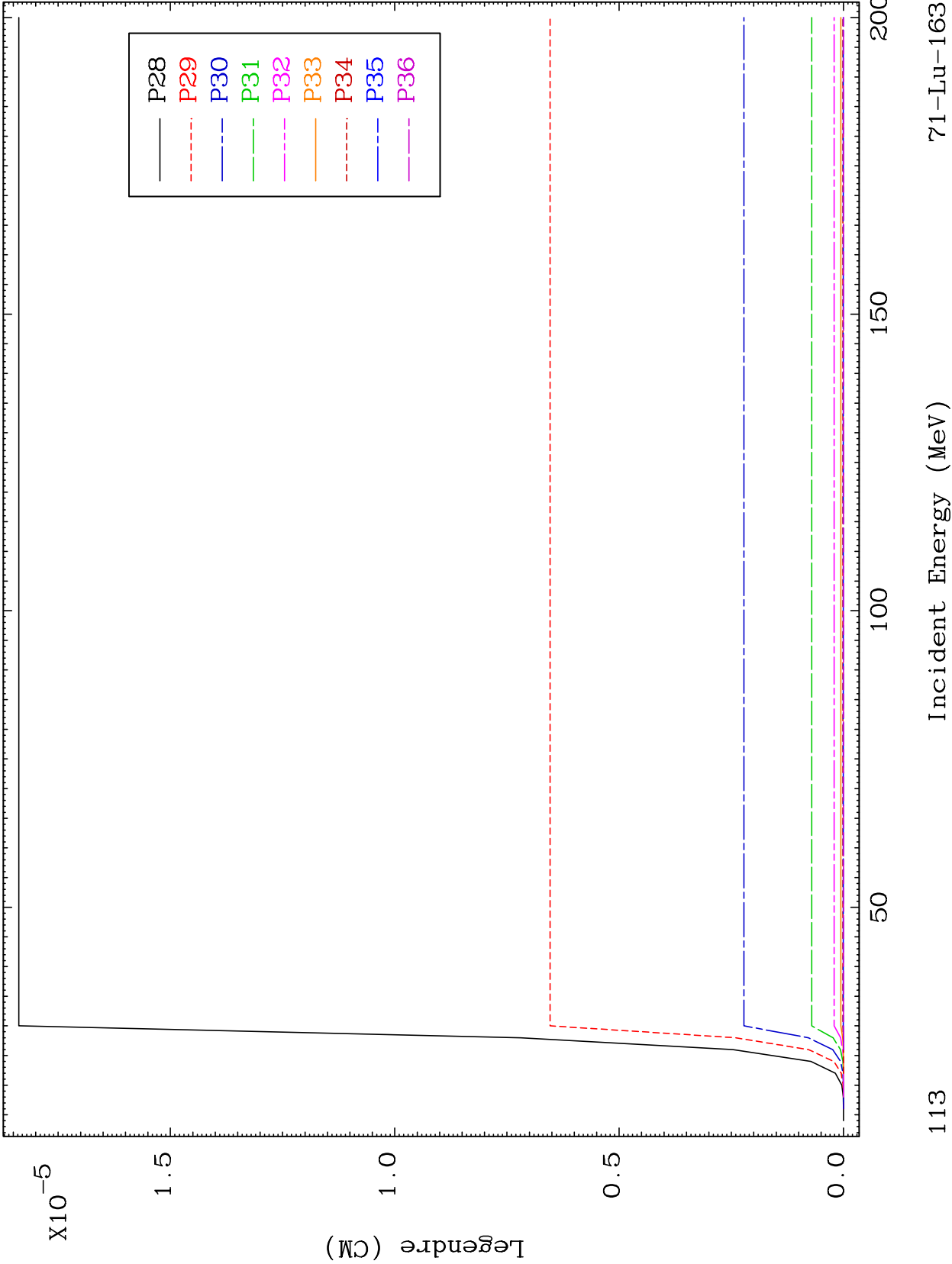
71-Lu-163



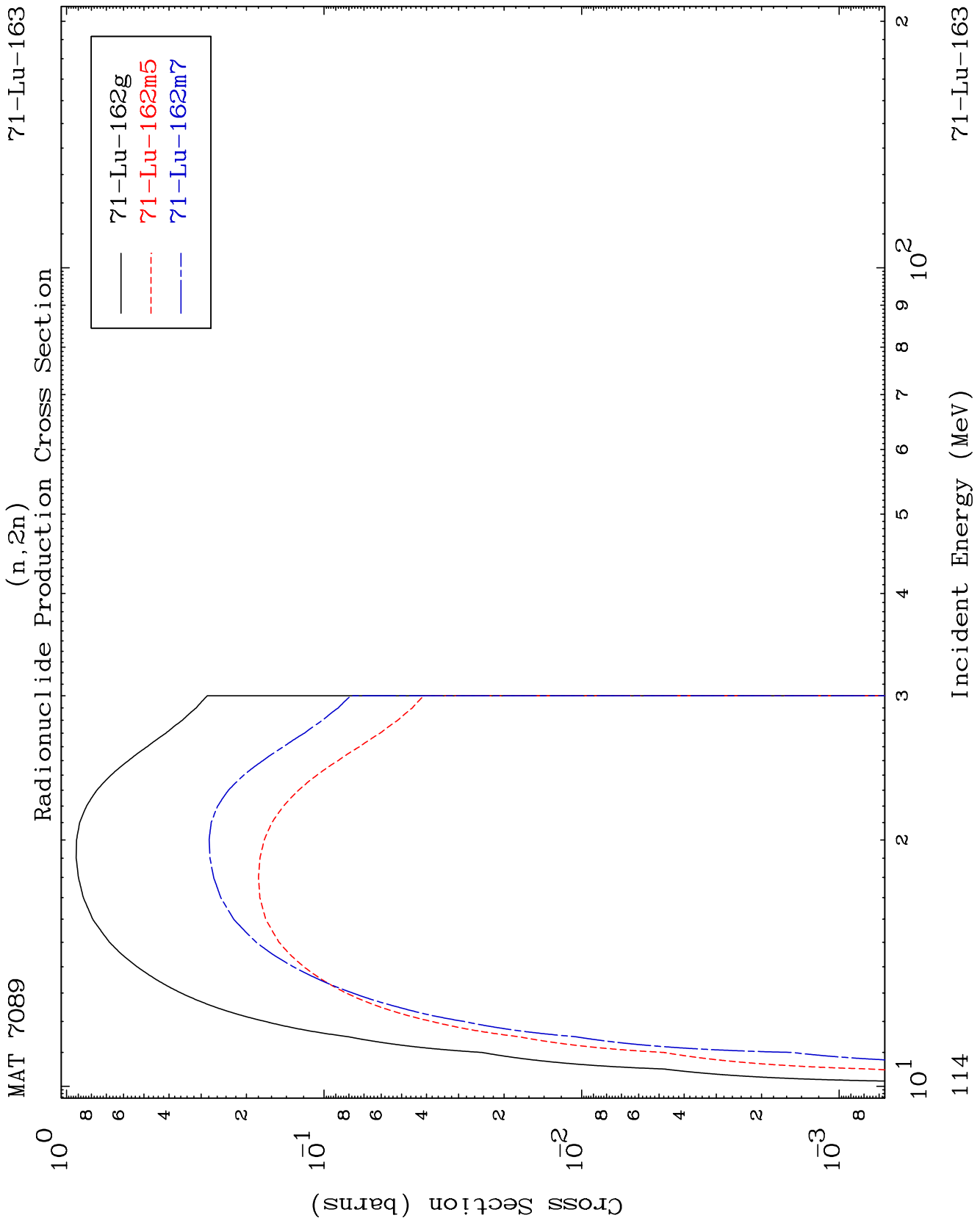
MAT 7089

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

71-Lu-163



113



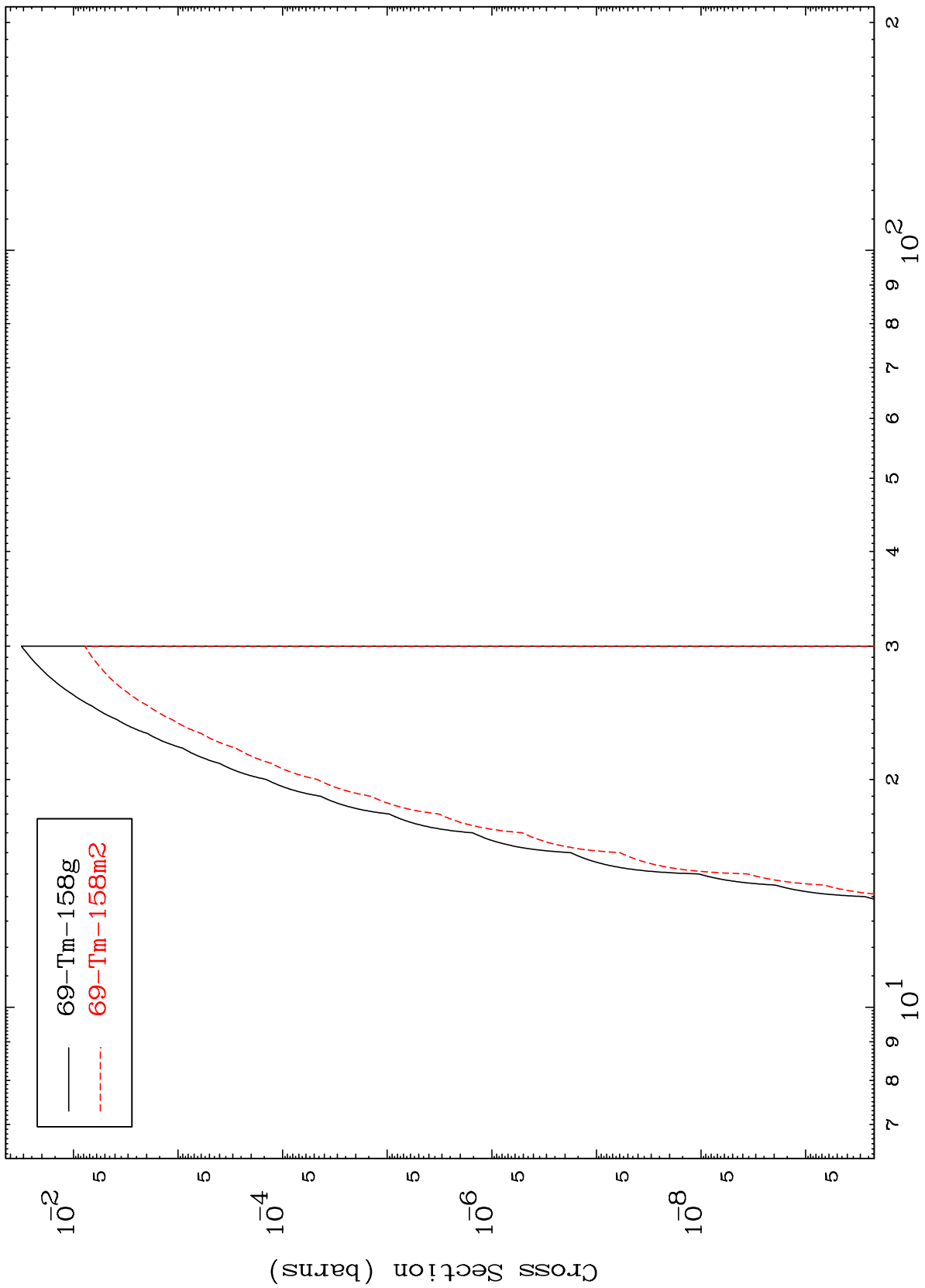
71-Lu-163

MAT 7089

$(n,2n) \alpha$

$^{71}\text{Lu-163}$

Radionuclide Production Cross Section



115

Incident Energy (MeV)

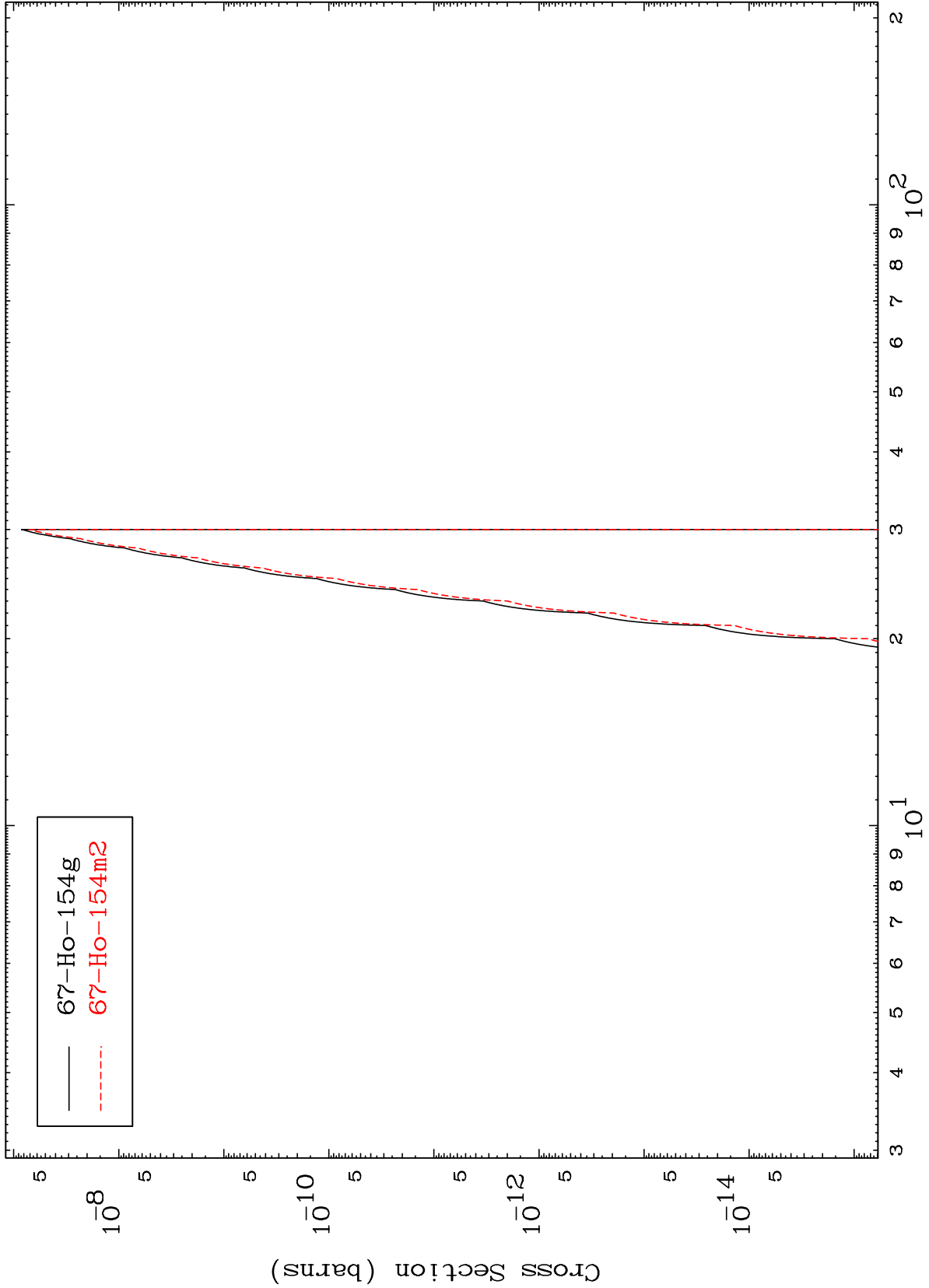
$^{71}\text{Lu-163}$

MAT 7089

^{67}Lu

^{163}Lu

Radionuclide Production Cross Section



116

Incident Energy (MeV)

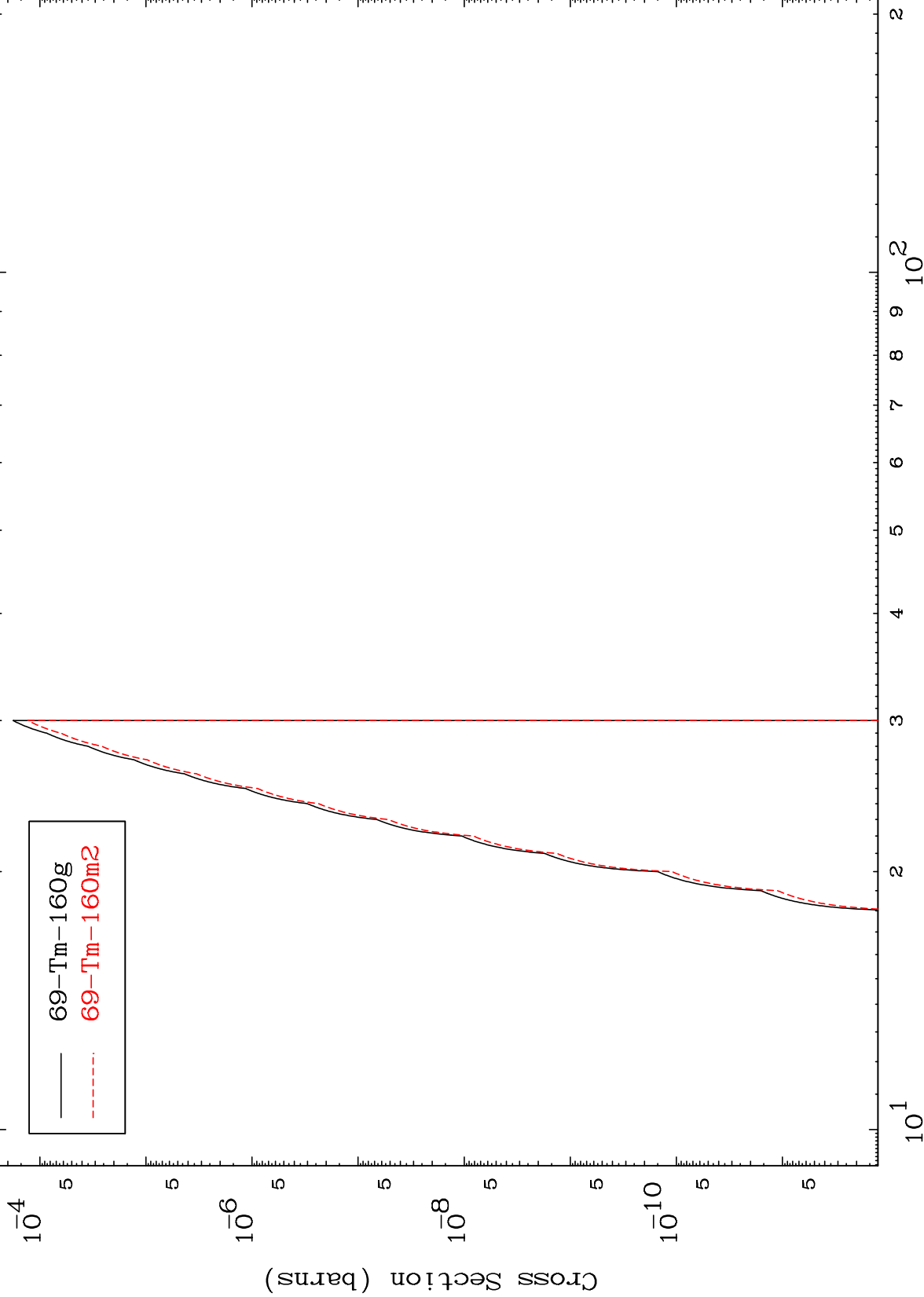
^{163}Lu

MAT 7089

(n,n') He-3

71-Lu-163

Radionuclide Production Cross Section



69-Tm-160g
69-Tm-160m2

117

Incident Energy (MeV)

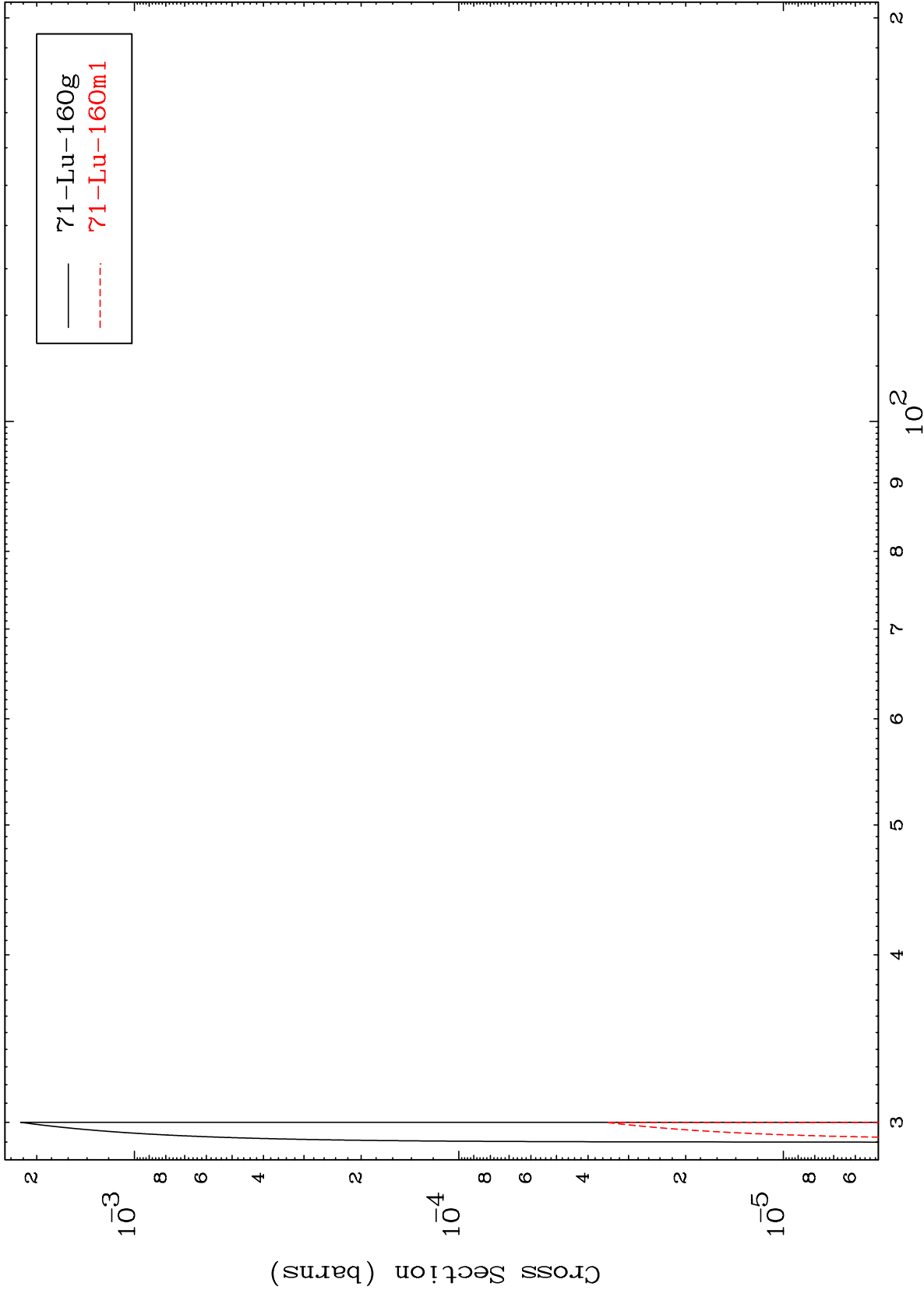
71-Lu-163

MAT 7089

(n,4n)

⁷¹Lu-163

Radionuclide Production Cross Section



118

Incident Energy (MeV)

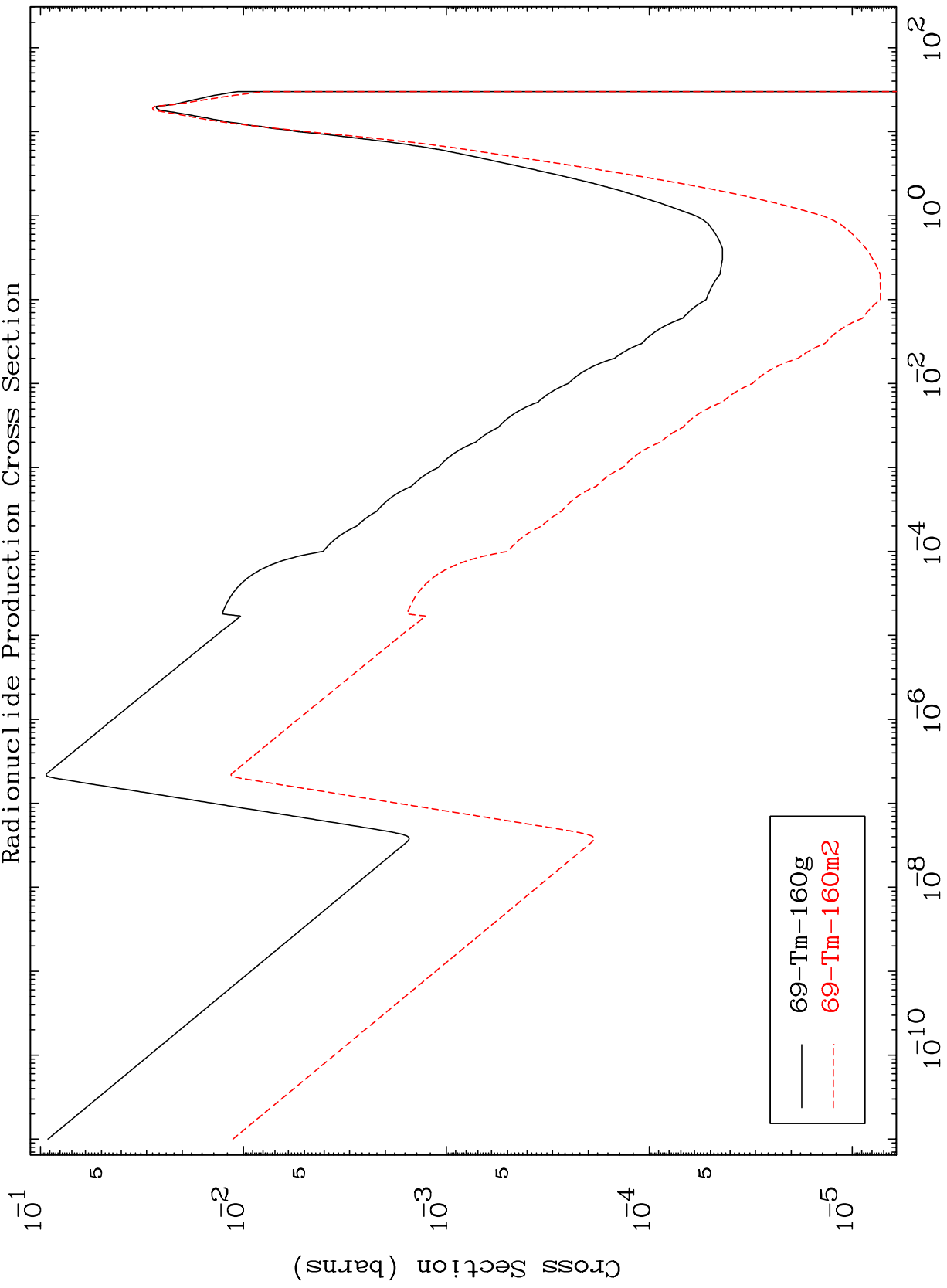
⁷¹Lu-163

MAT 7089

71-Lu-163

Radionuclide Production Cross Section

(n, α)



119

71-Lu-163

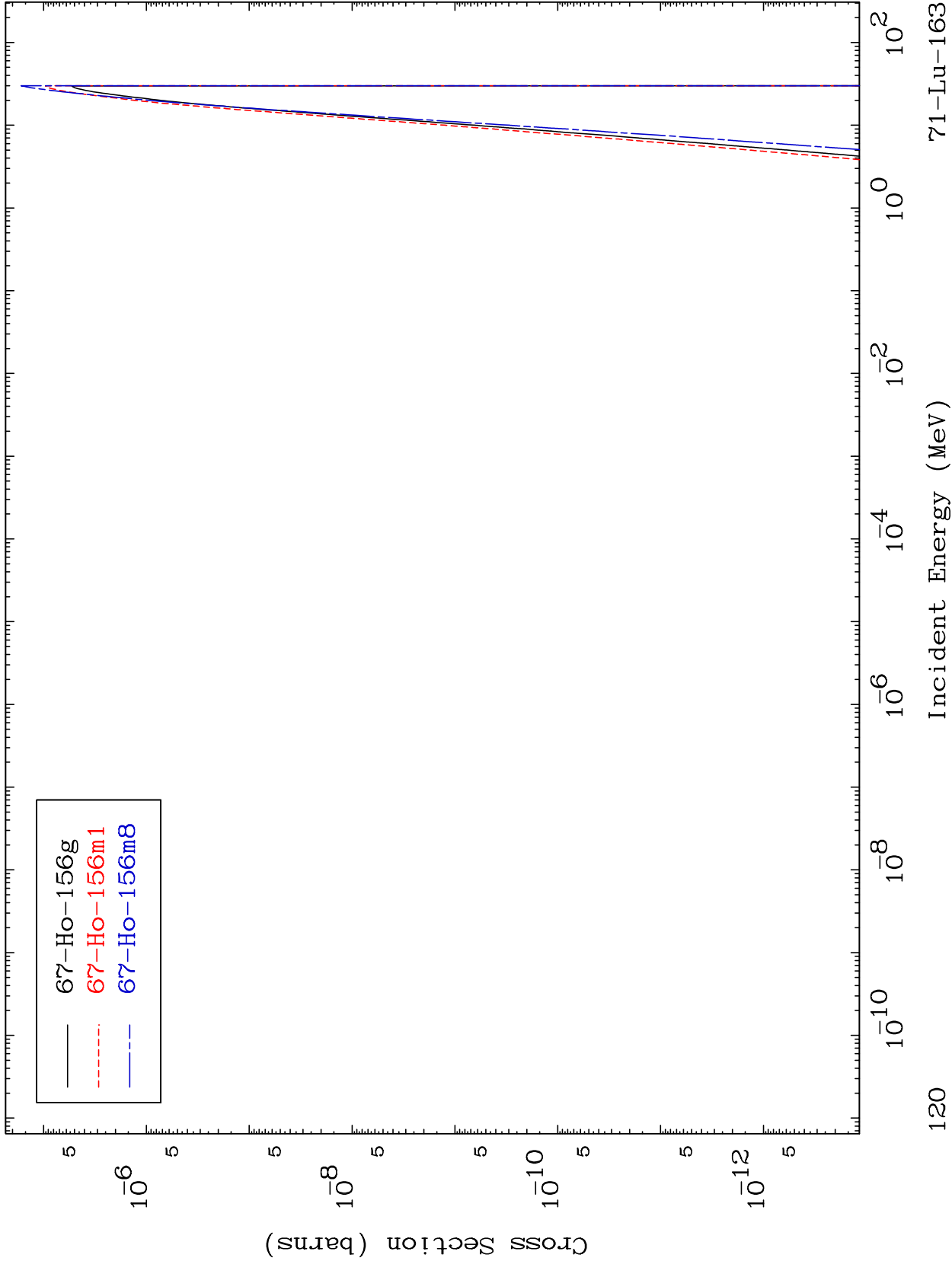
Incident Energy (MeV)

MAT 7089

$(n, 2\alpha)$

$^{71}\text{Lu-163}$

Radionuclide Production Cross Section



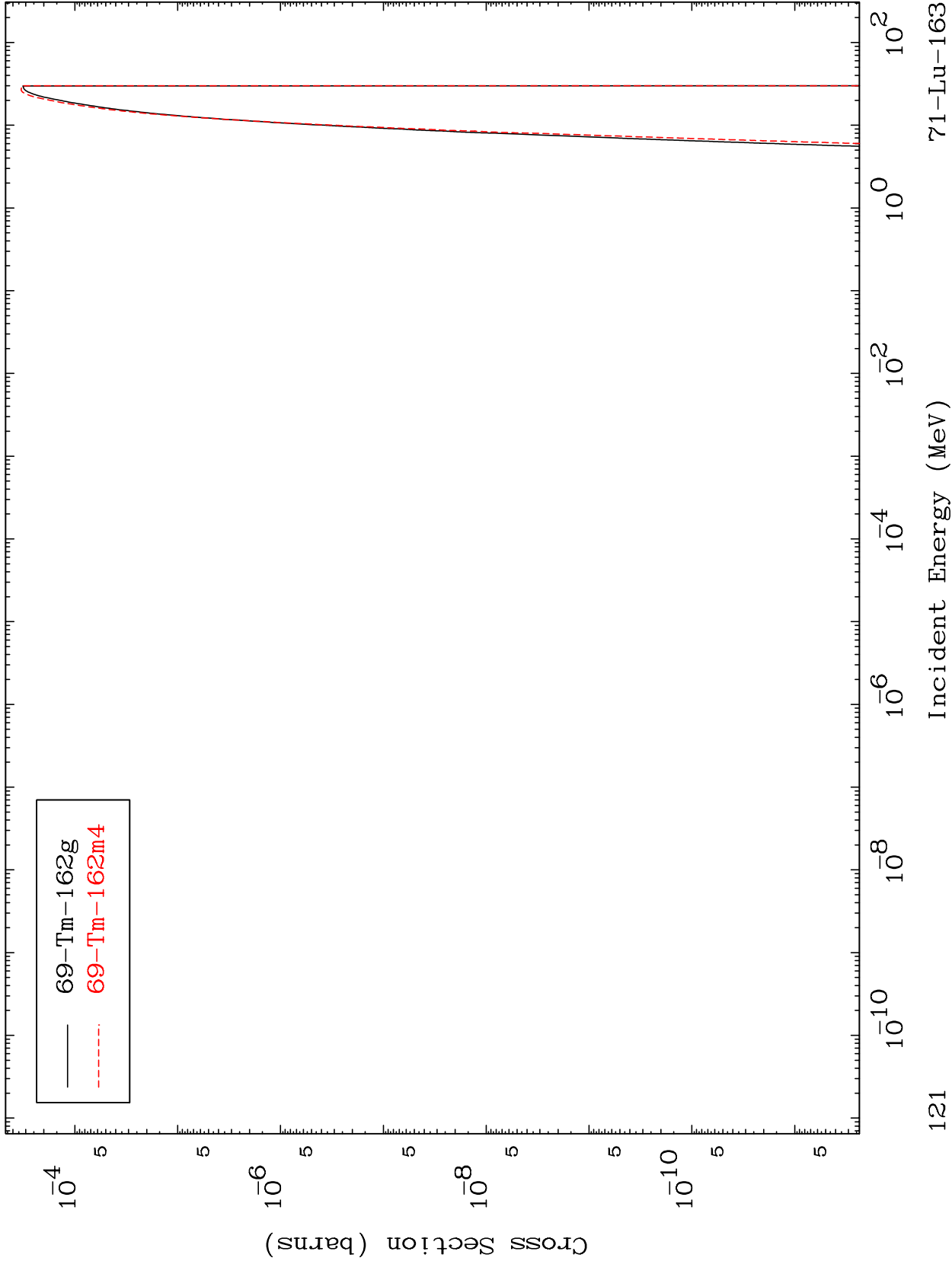
— $^{67}\text{Ho-156g}$
- - - $^{67}\text{Ho-156m1}$
- · - $^{67}\text{Ho-156m8}$

MAT 7089

(n,2p)

⁷¹Lu-163

Radionuclide Production Cross Section



121

Incident Energy (MeV)

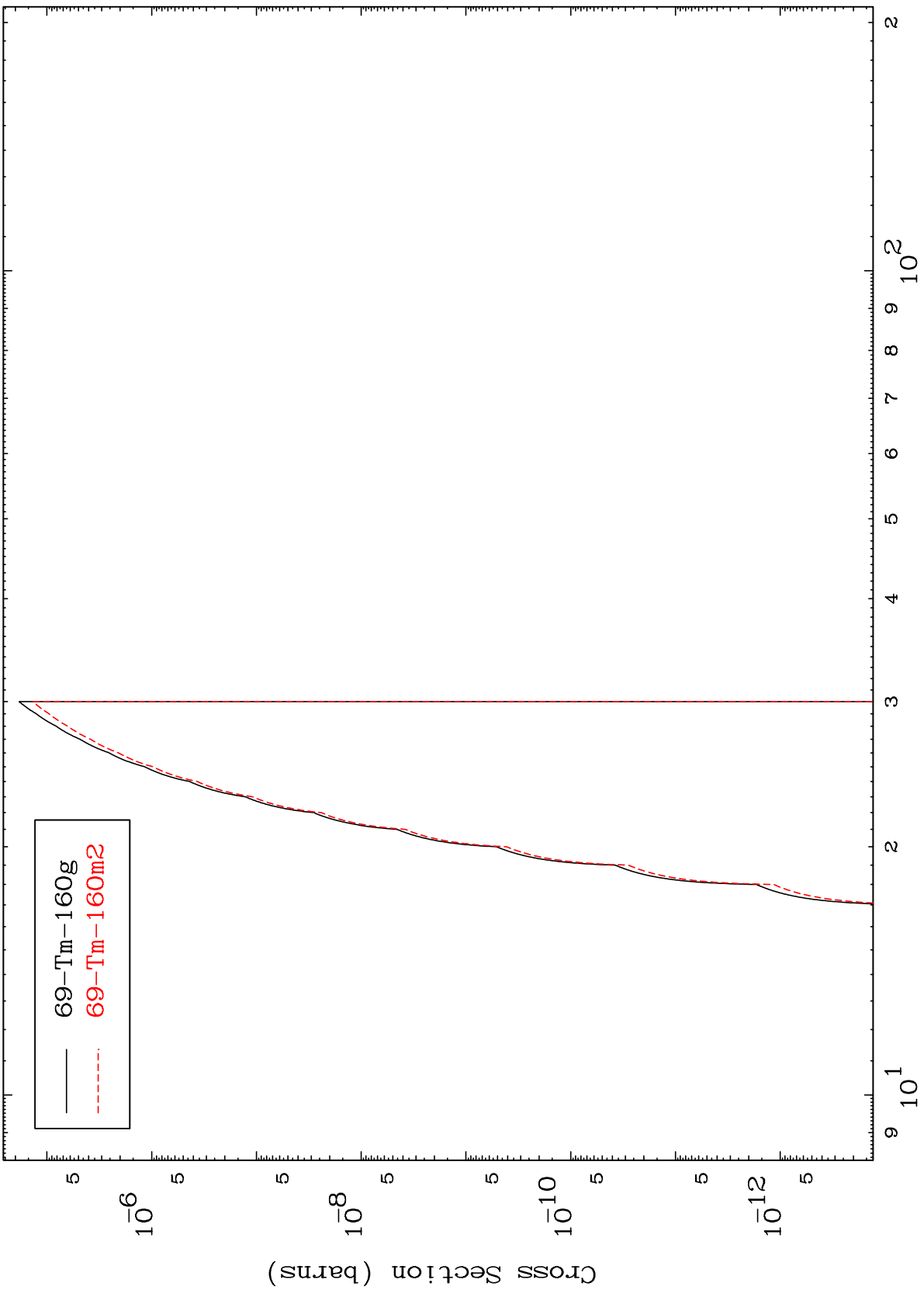
⁷¹Lu-163

MAT 7089

(n,p) t

71-Lu-163

Radionuclide Production Cross Section



122

Incident Energy (MeV)

71-Lu-163