

Program EVALPLOT
(Version 2018-1)

by

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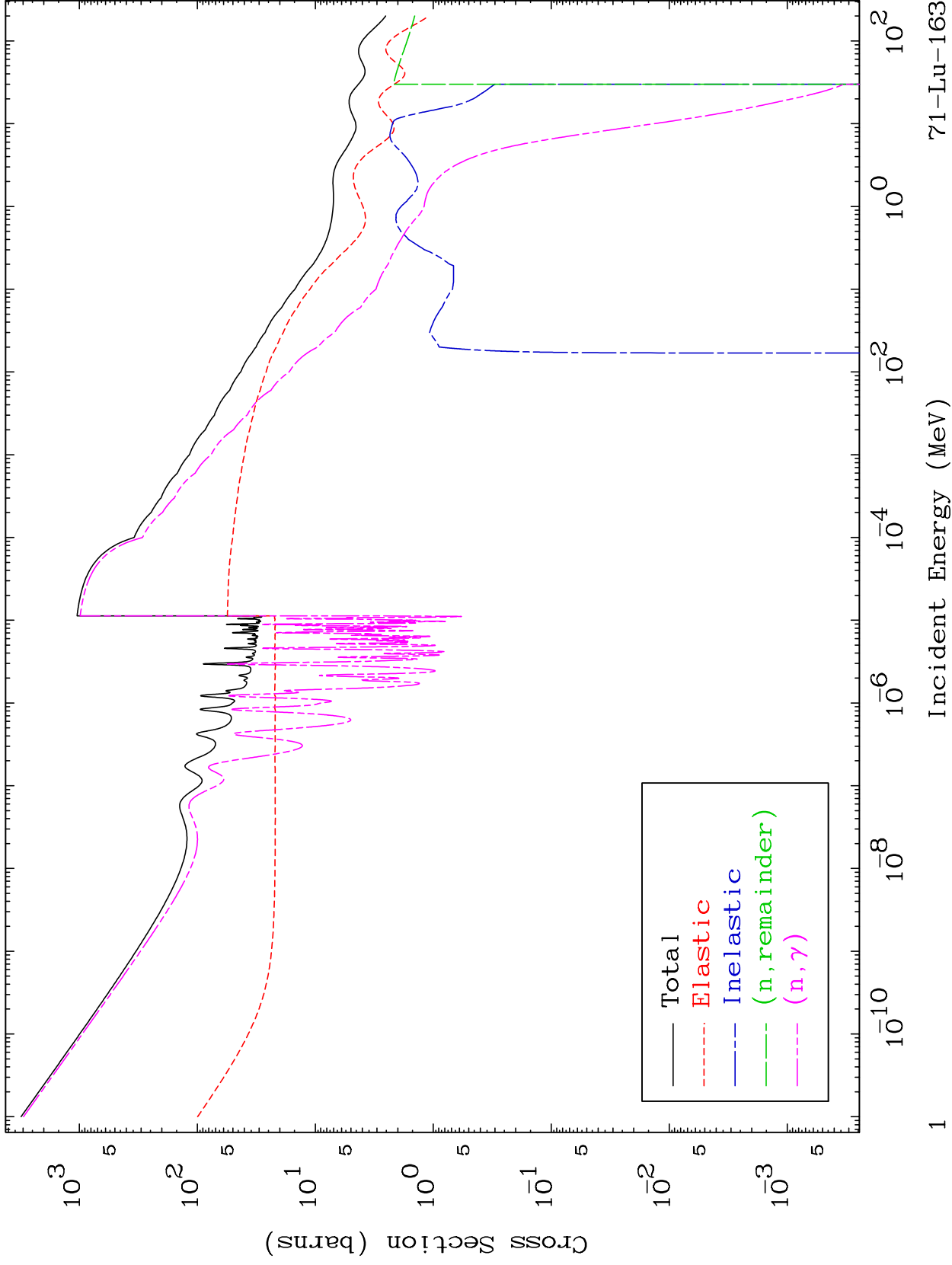
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7089

Major
293 Kelvin Cross Sections

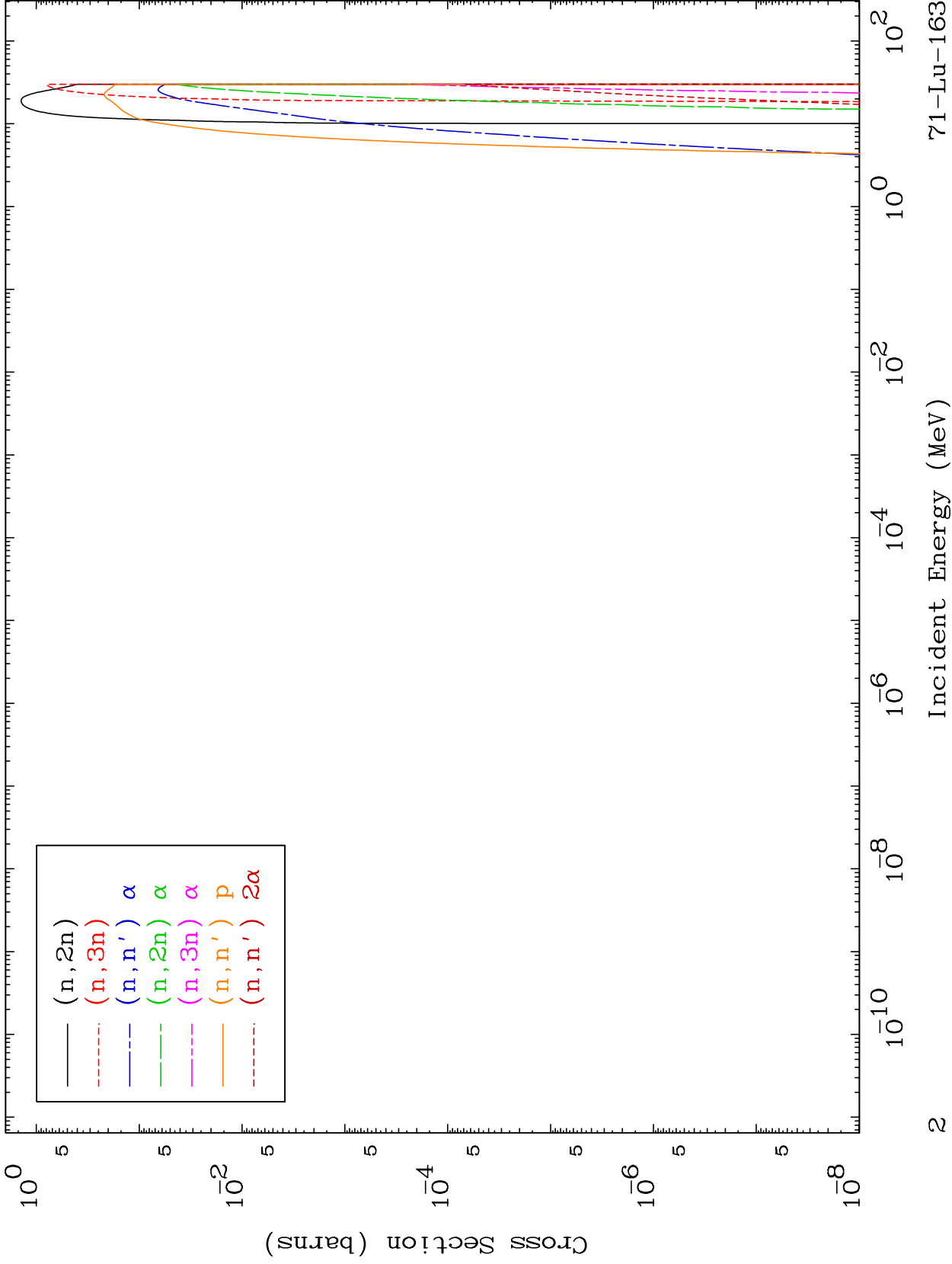
71-Lu-163

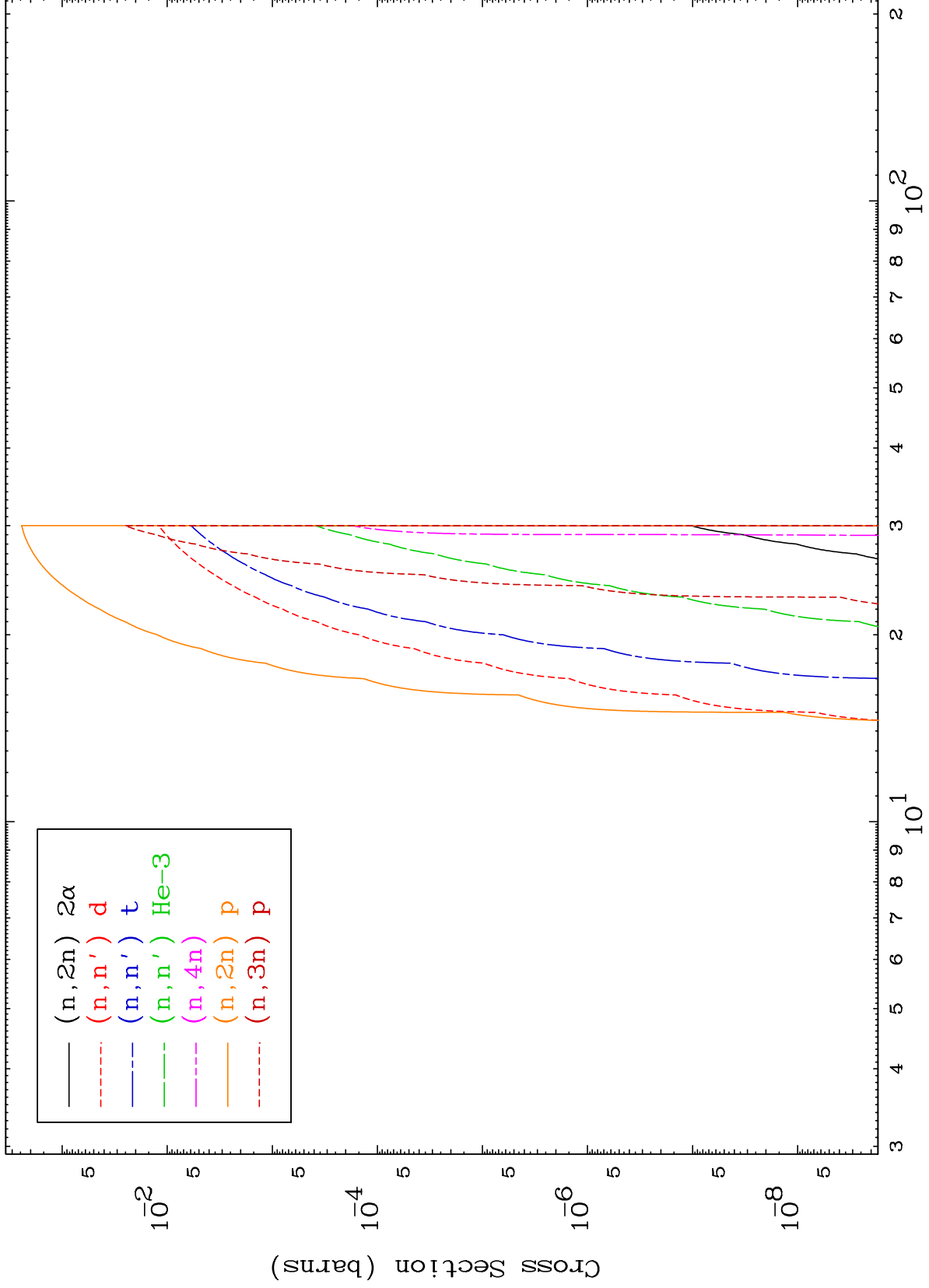


MAT 7089

Neutron Production
293 Kelvin Cross Sections

71-Lu-163

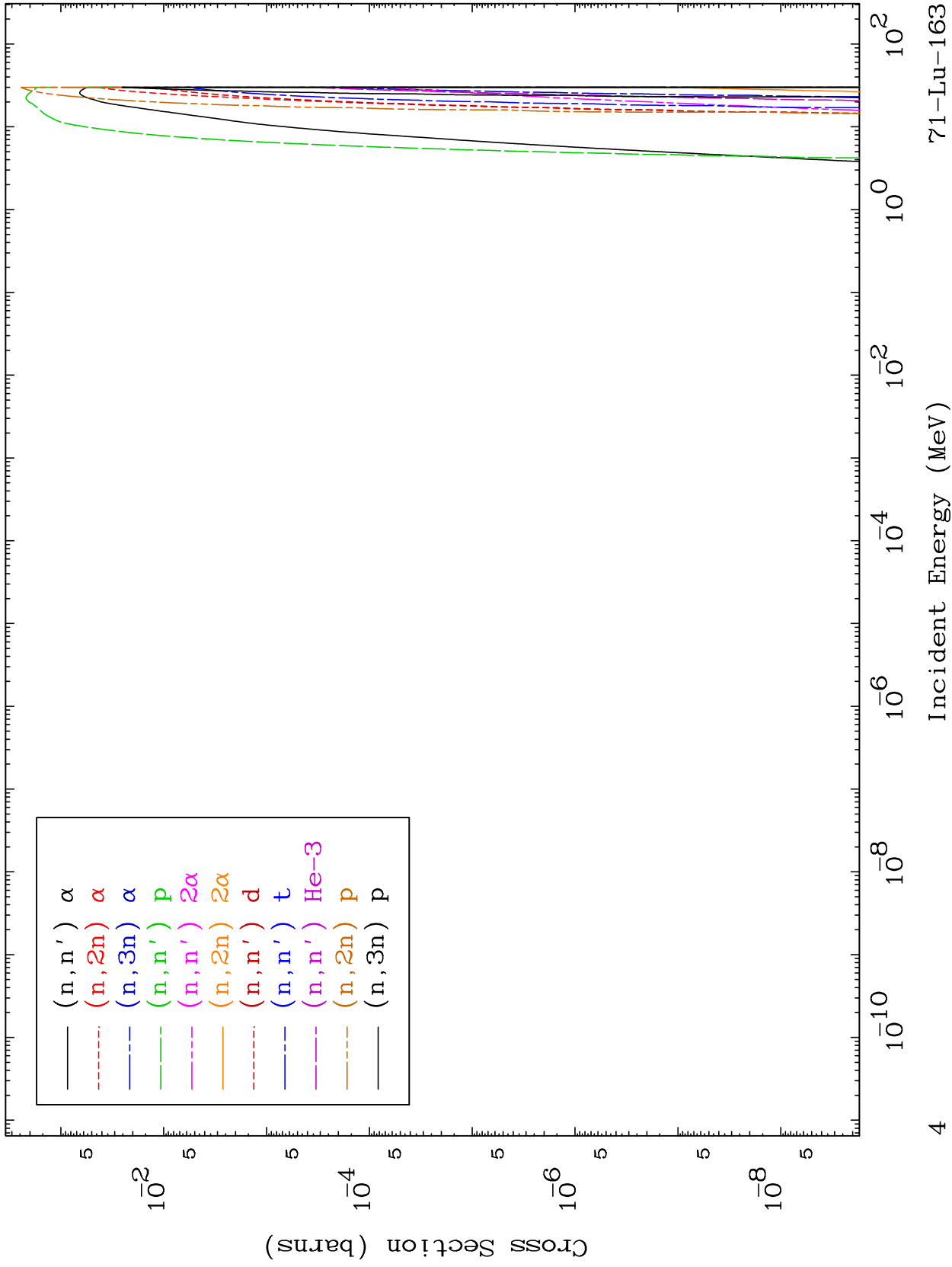




MAT 7089

Charged Particle
293 Kelvin Cross Sections

71-Lu-163

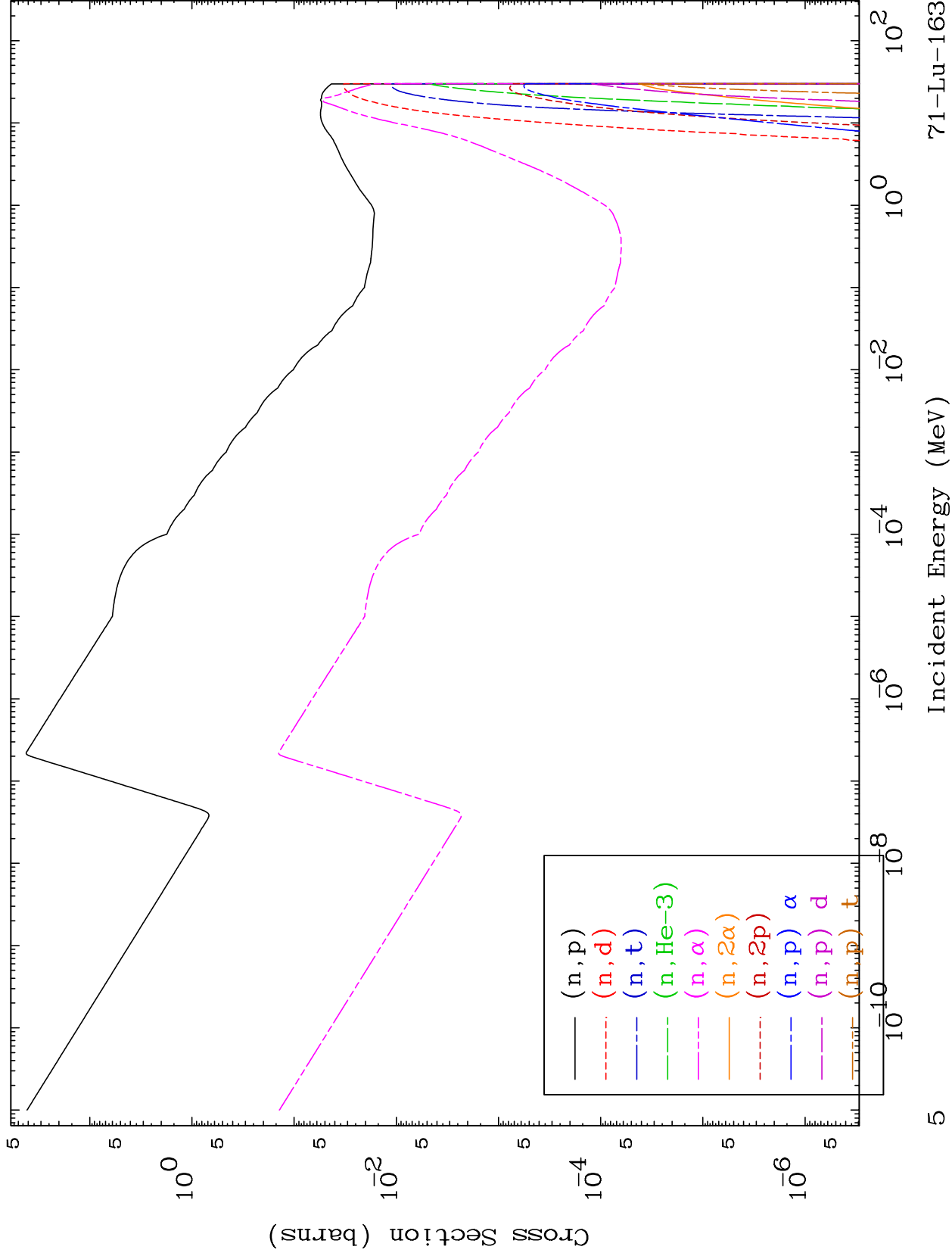


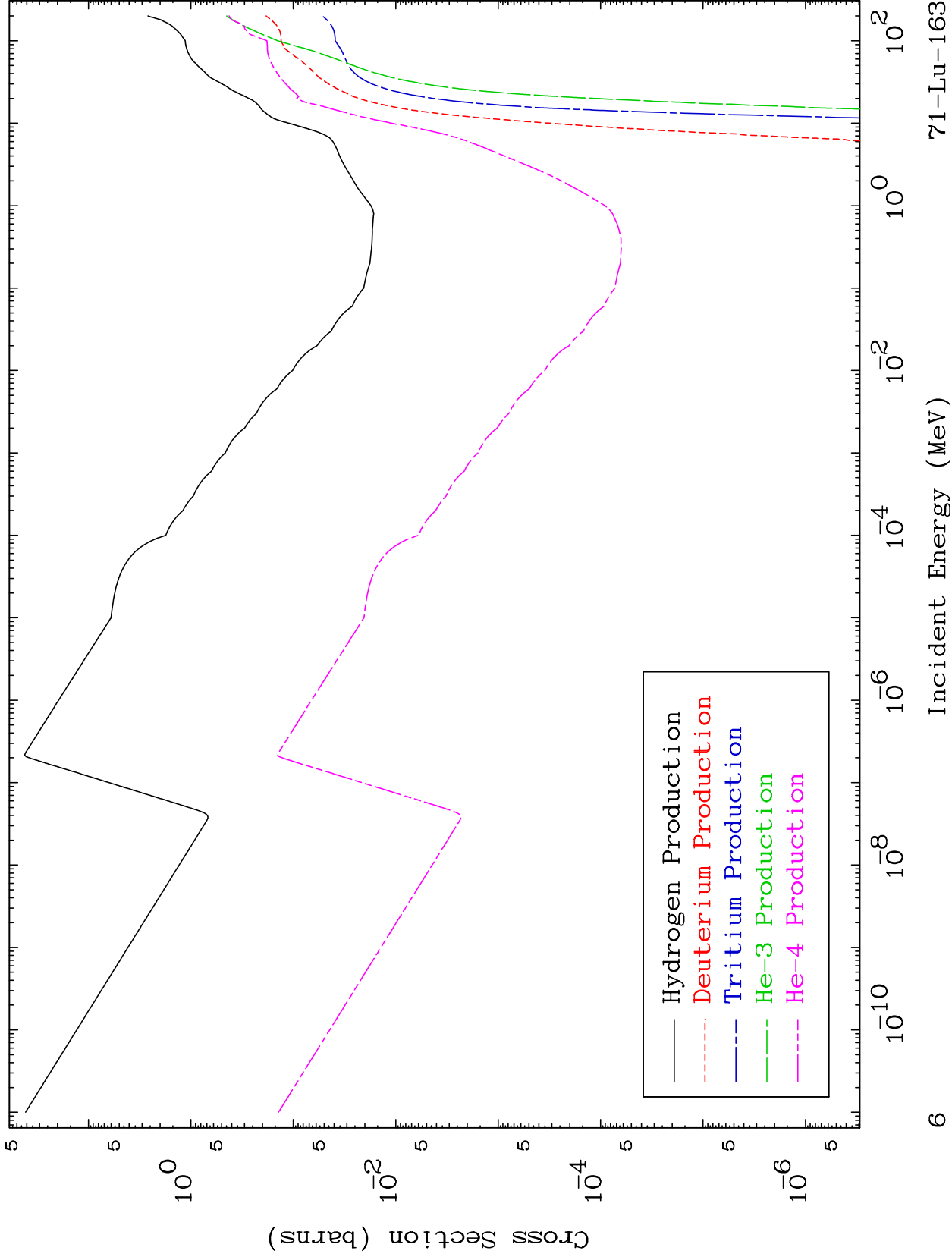
71-Lu-163

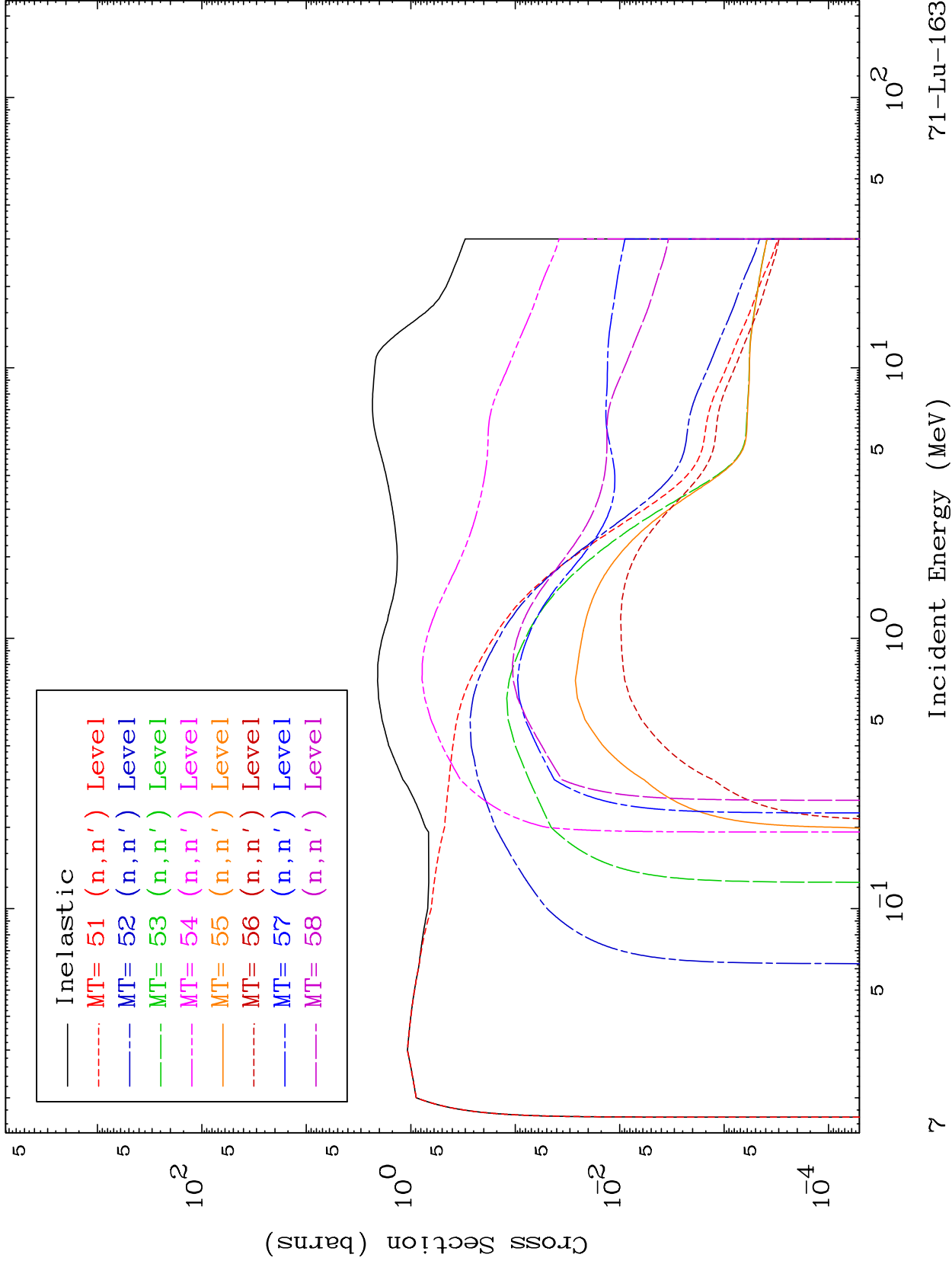
MAT 7089

Charged Particle
293 Kelvin Cross Sections

71-Lu-163





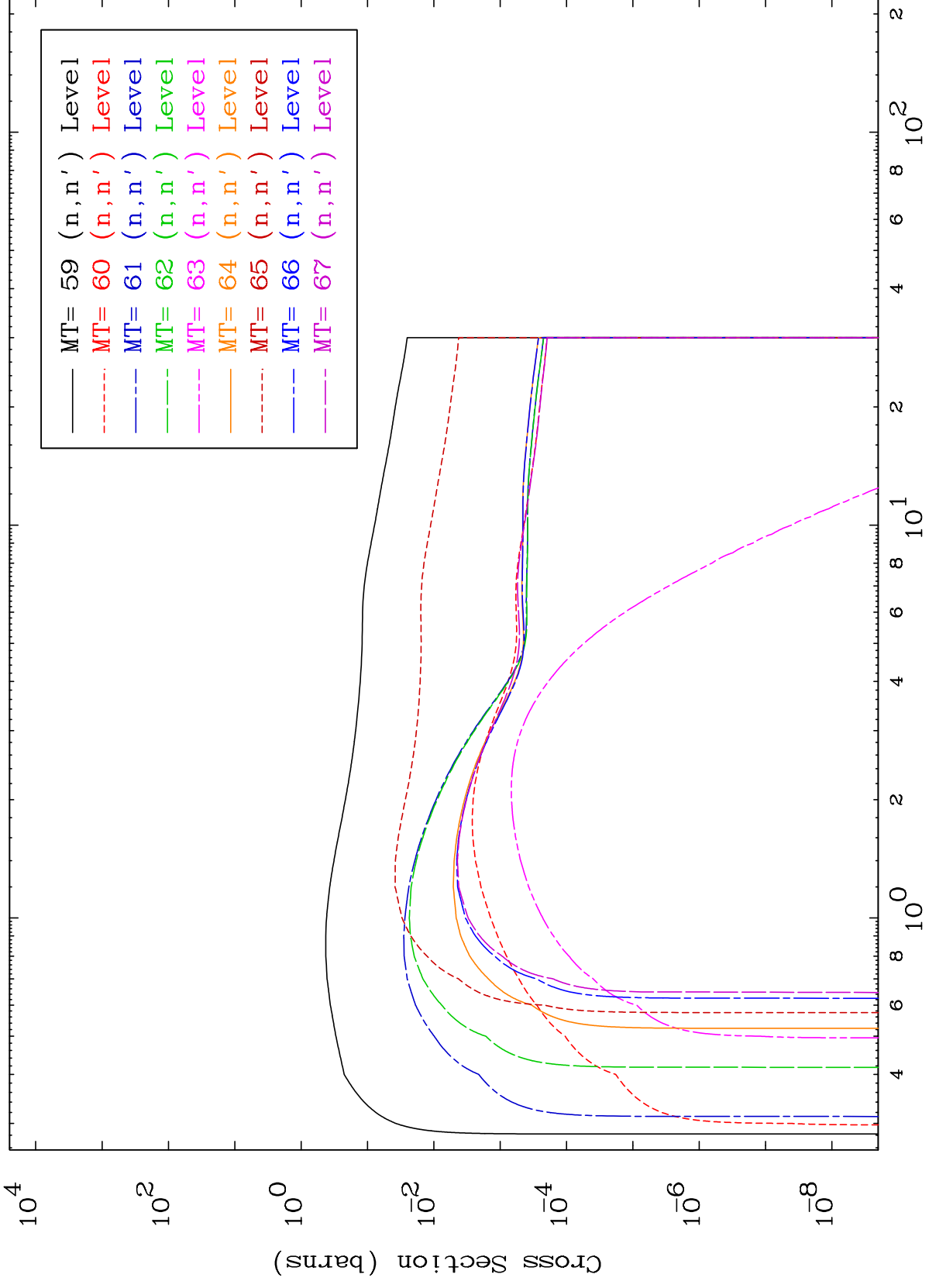


MAT 7089

(n,n') Level

71-Lu-163

293 Kelvin Cross Sections



8

Incident Energy (MeV)

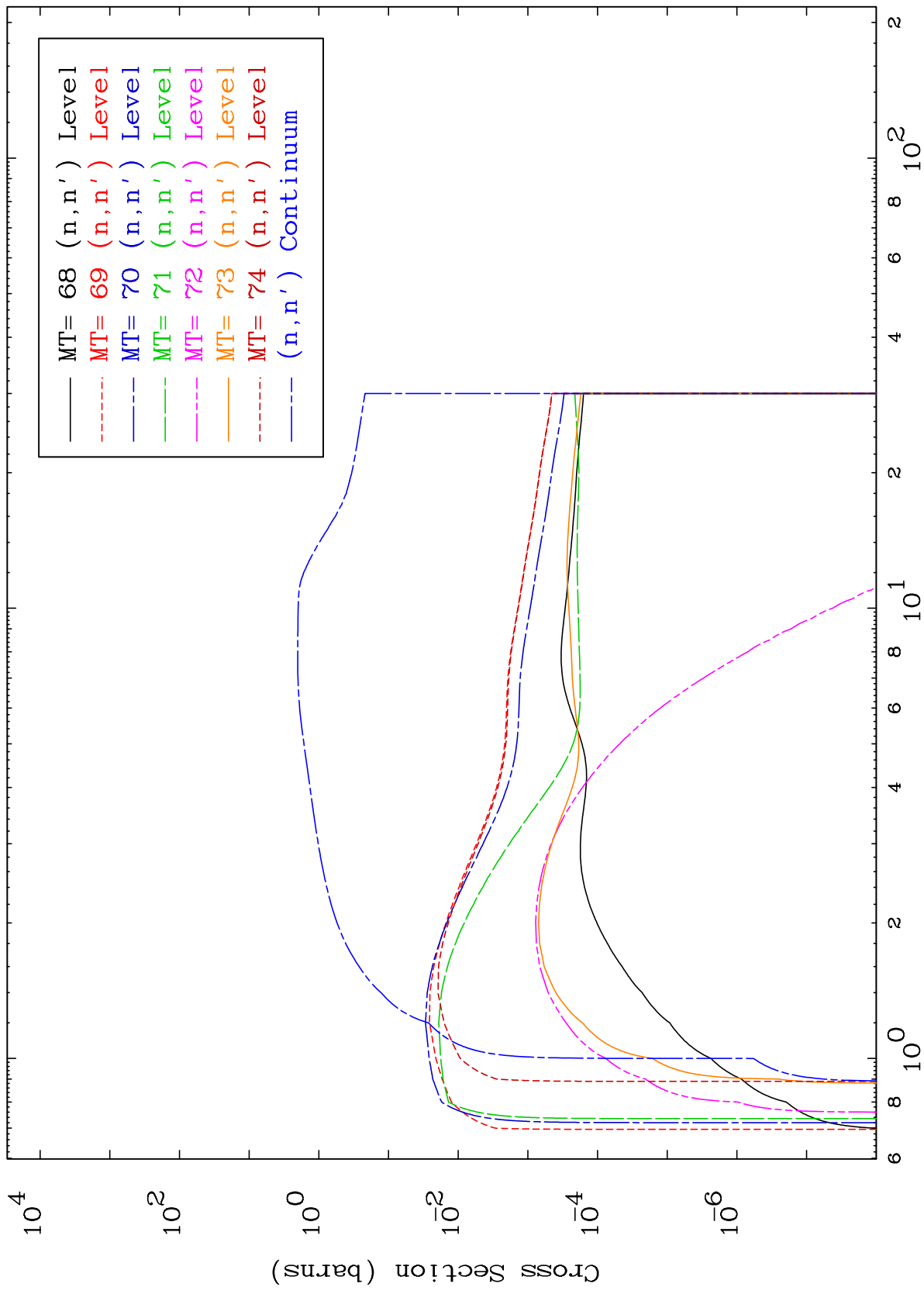
71-Lu-163

MAT 7089

(n,n') Level

293 Kelvin Cross Sections

71-Lu-163



9

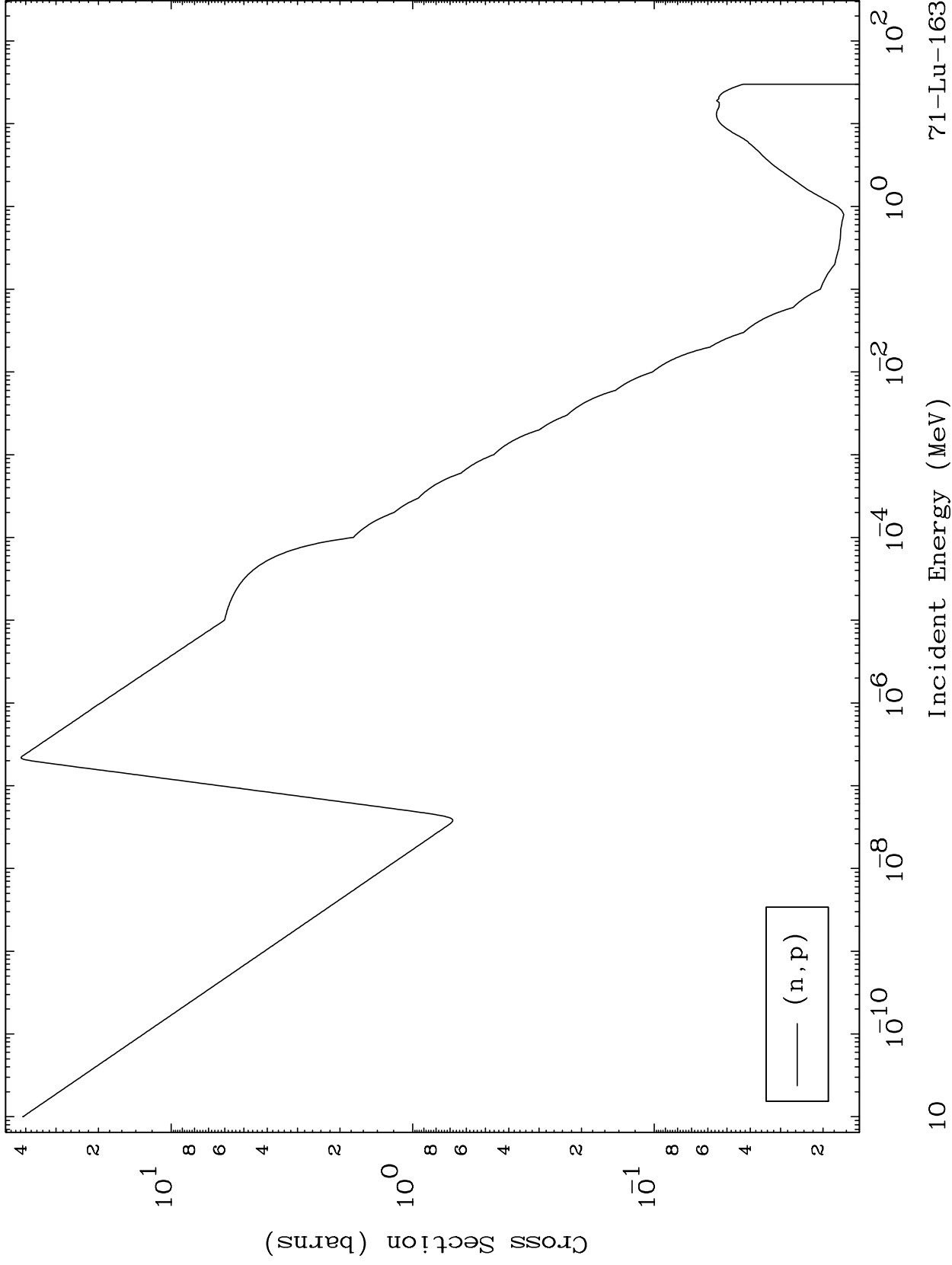
Incident Energy (MeV)

71-Lu-163

MAT 7089

(n,p) Levels
293 Kelvin Cross Sections

71-Lu-163



10

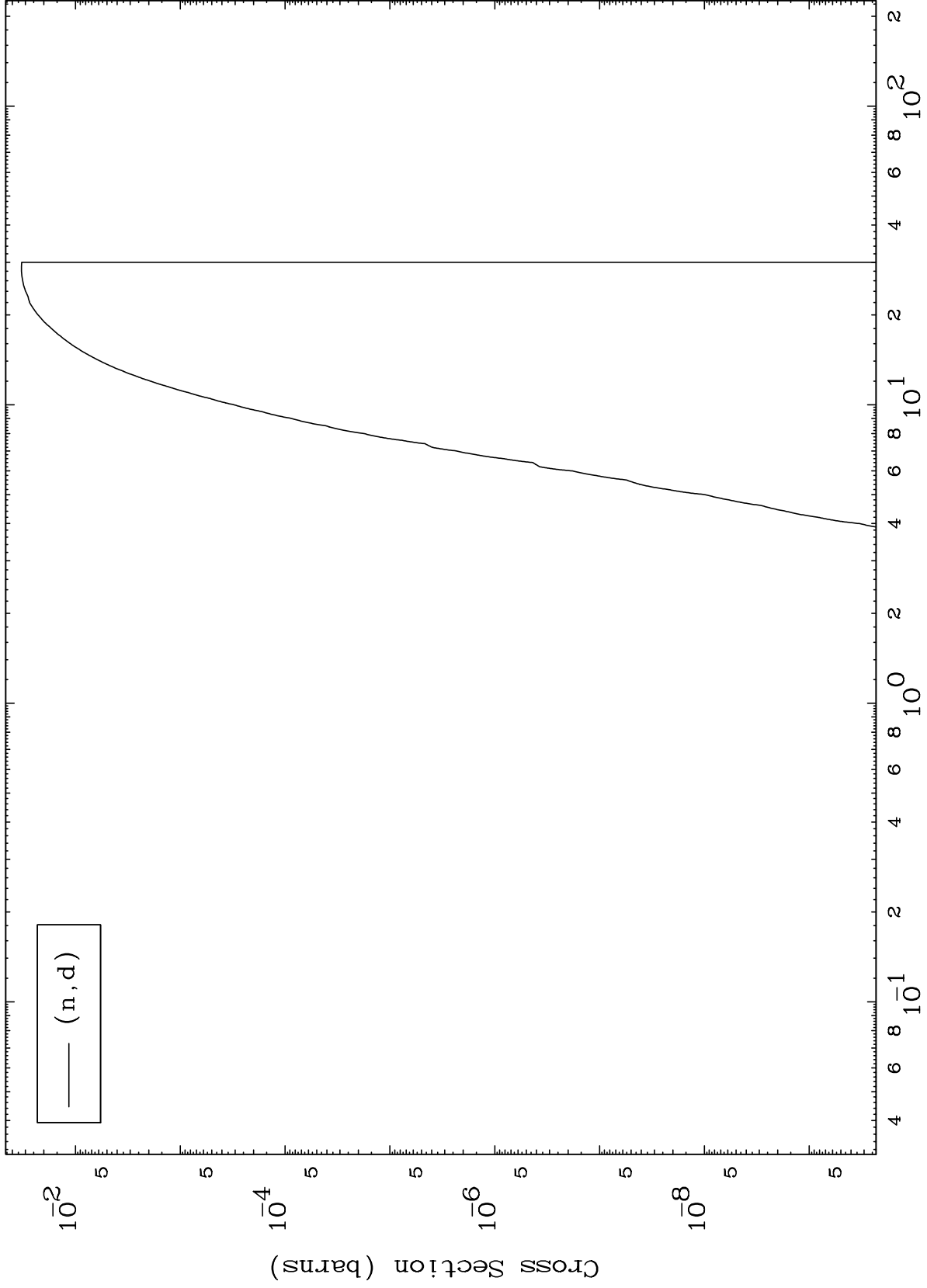
Incident Energy (MeV)

71-Lu-163

MAT 7089

(n,d) Levels
293 Kelvin Cross Sections

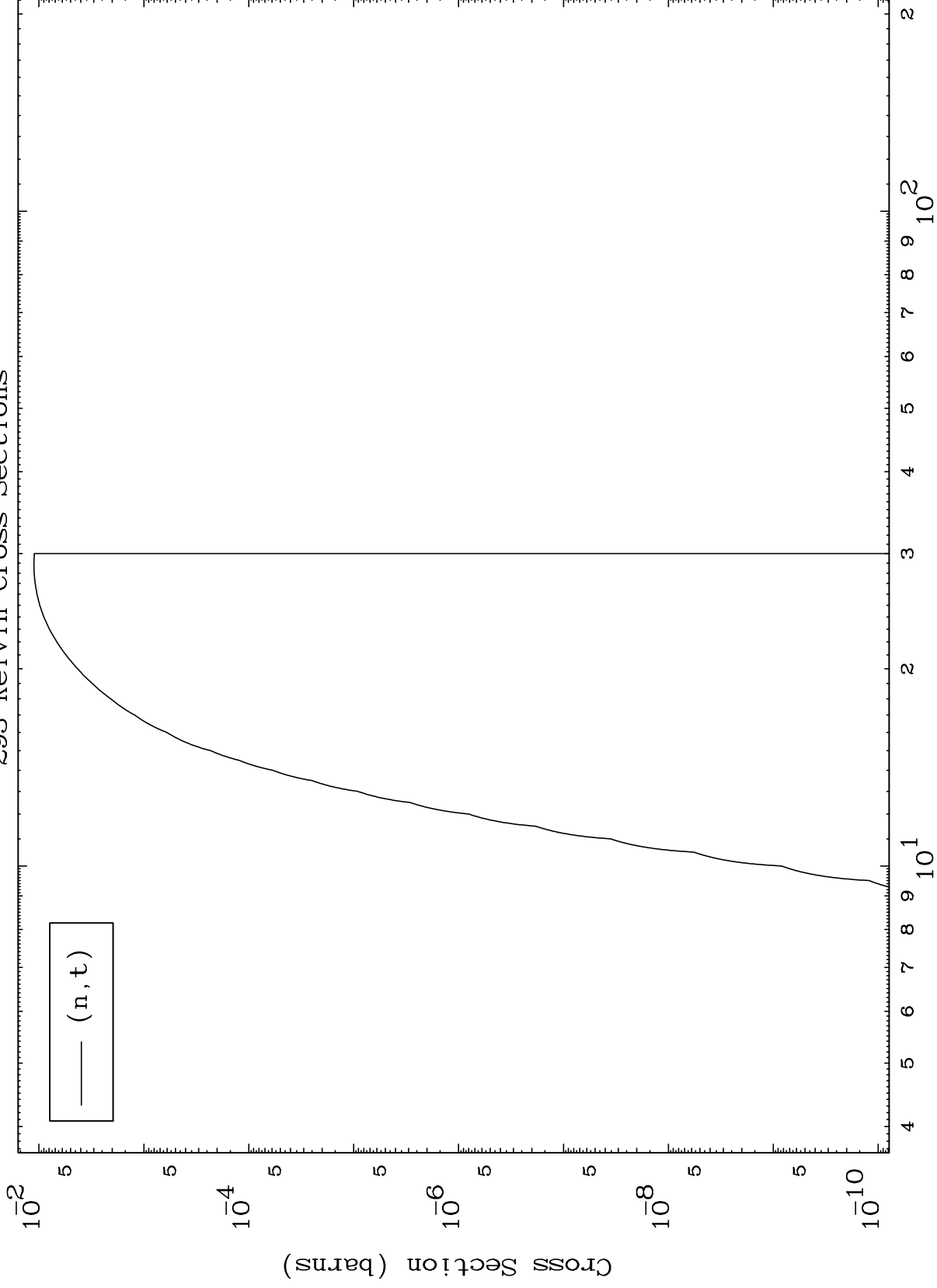
71-Lu-163



MAT 7089

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-163



12

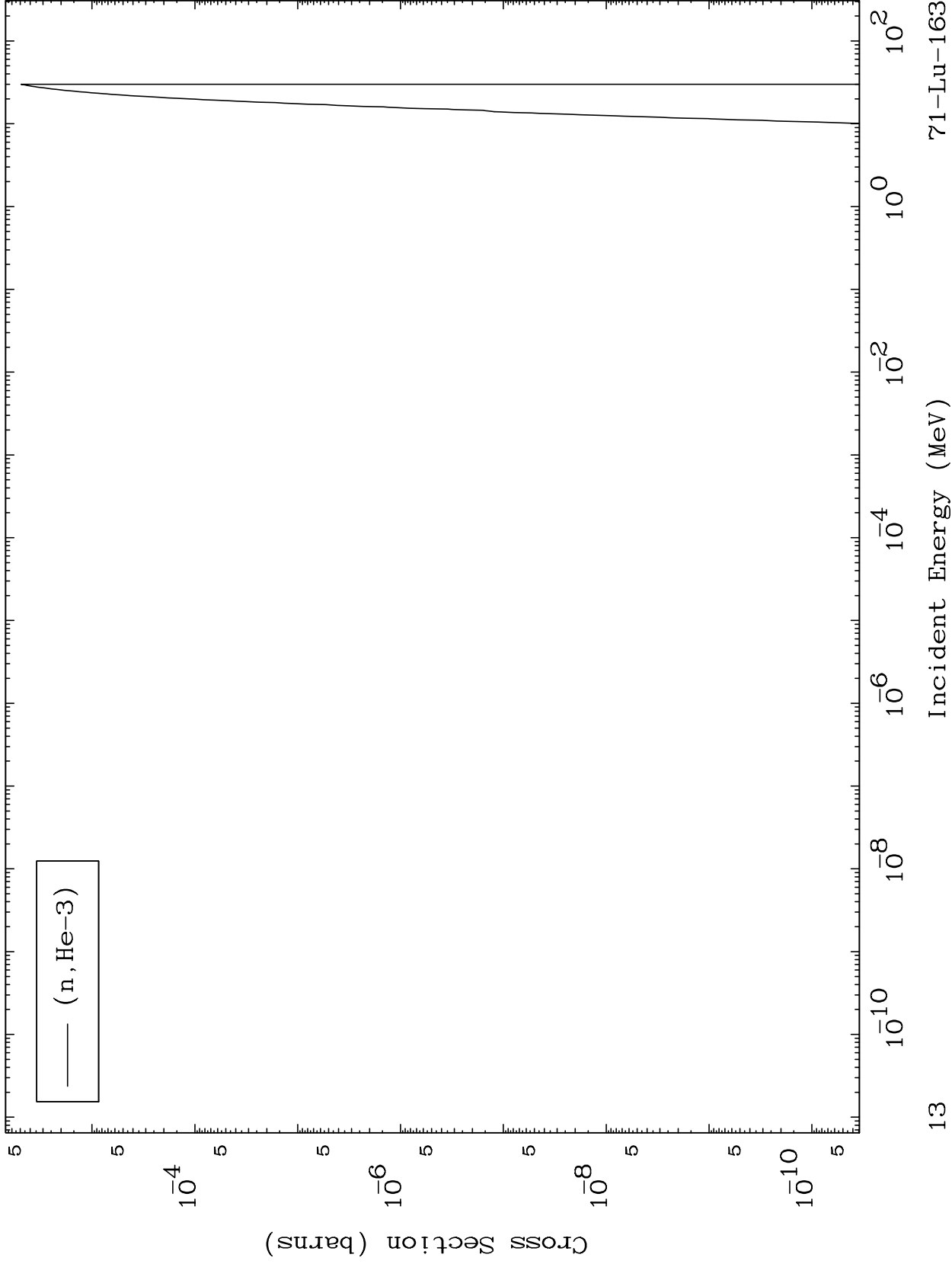
Incident Energy (MeV)

71-Lu-163

MAT 7089

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-163



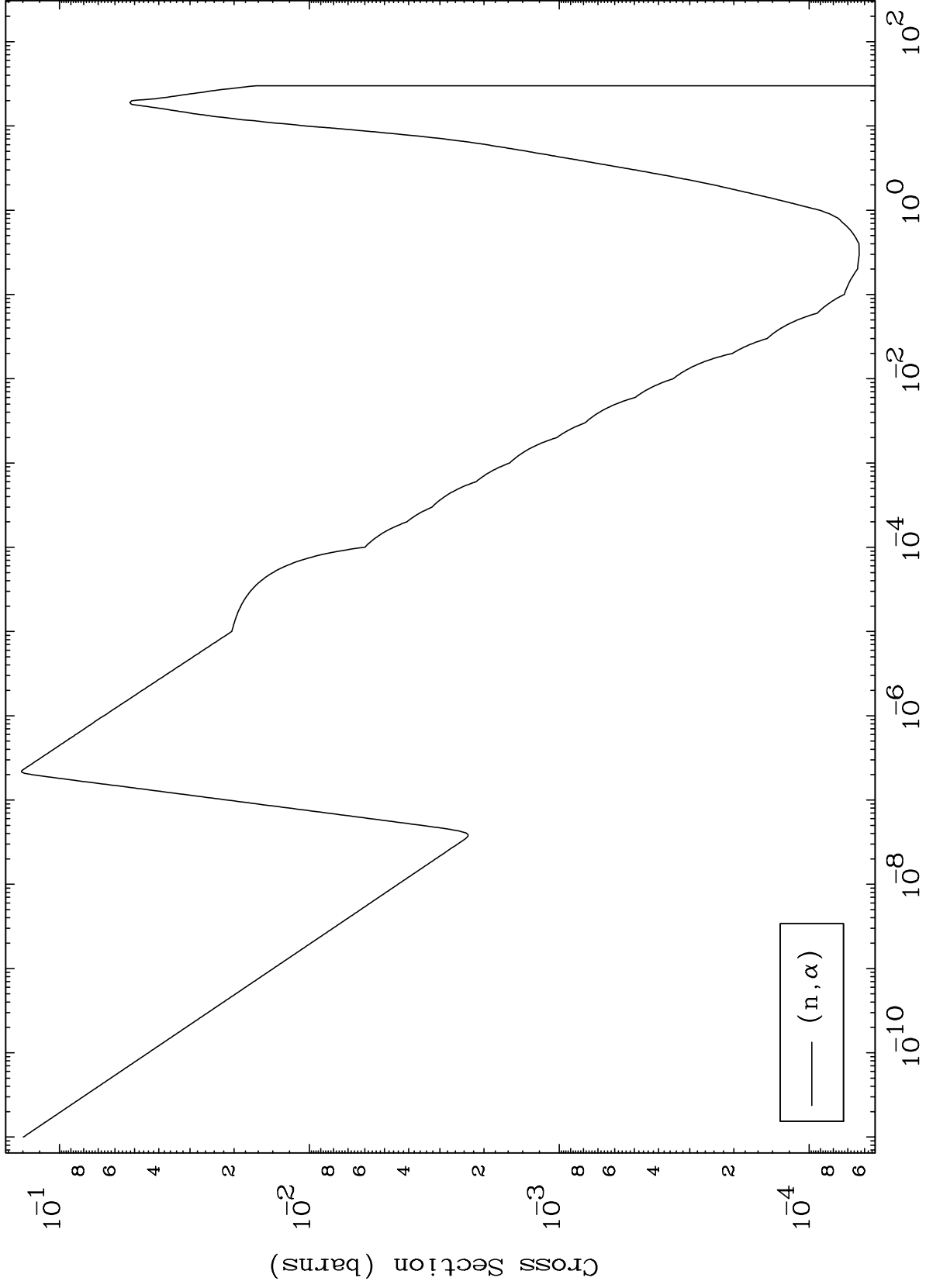
13

71-Lu-163

MAT 7089

(n,α) Levels
293 Kelvin Cross Sections

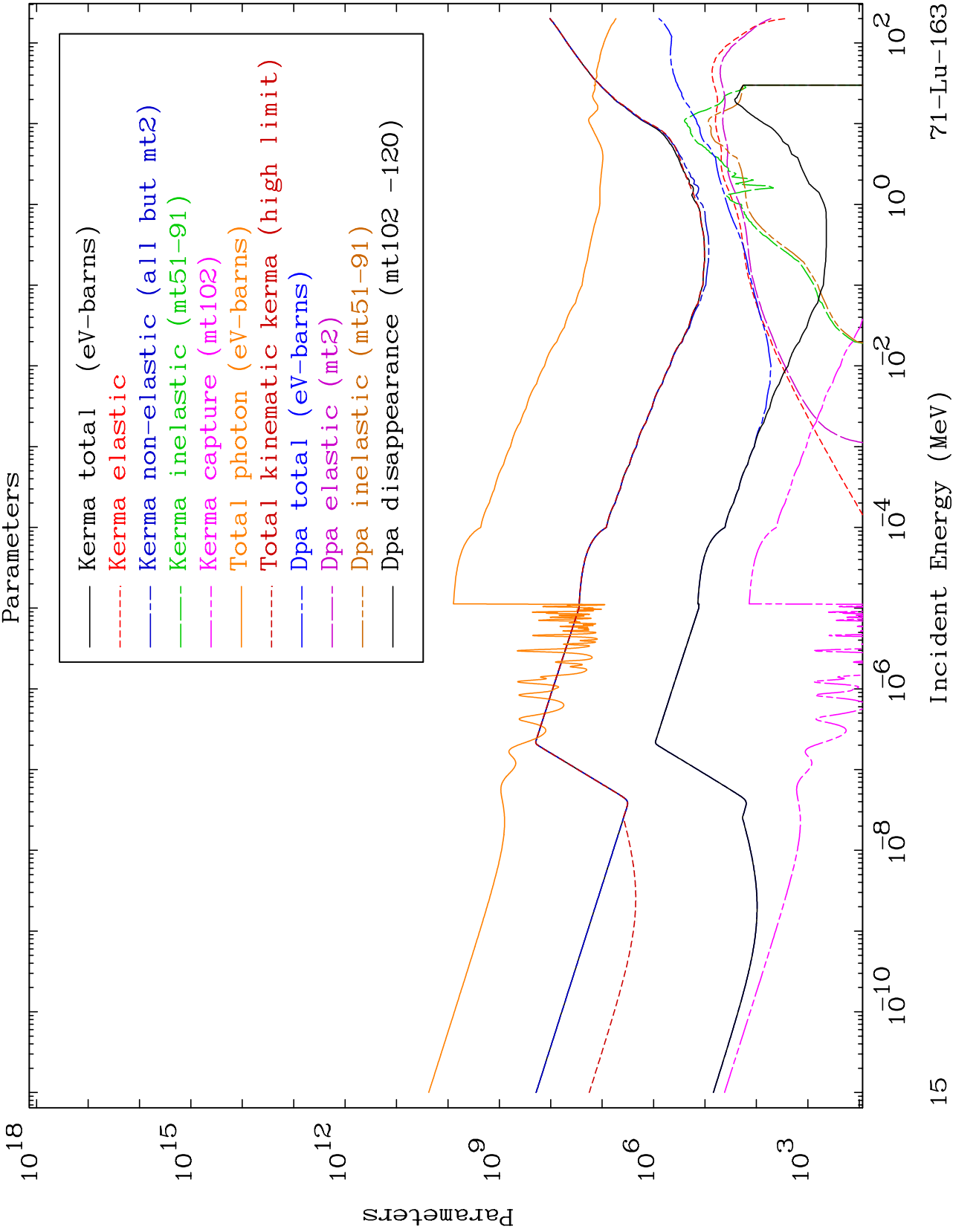
71-Lu-163



14

Incident Energy (MeV)

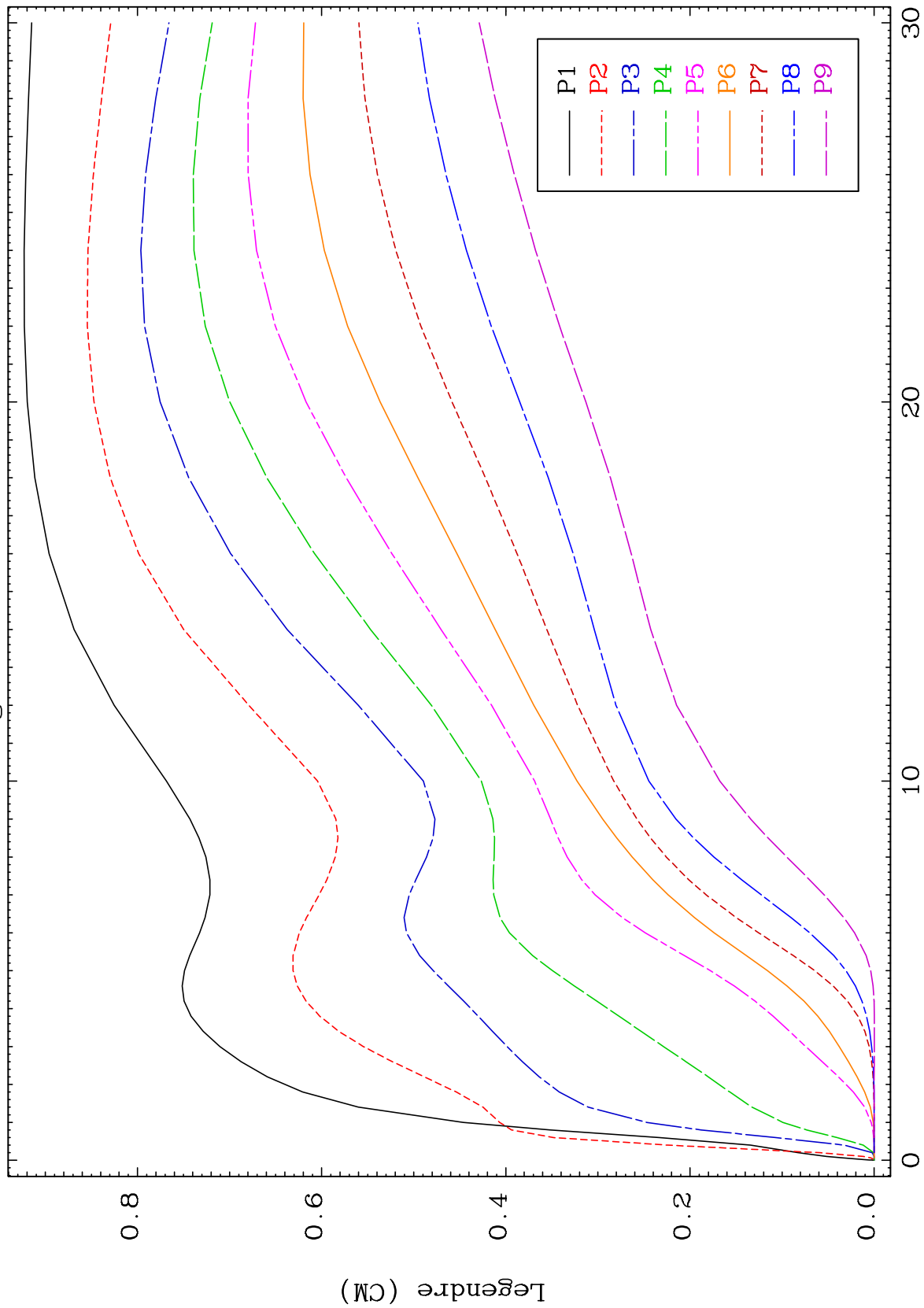
71-Lu-163



MAT 7089

Elastic Legendre Coefficients

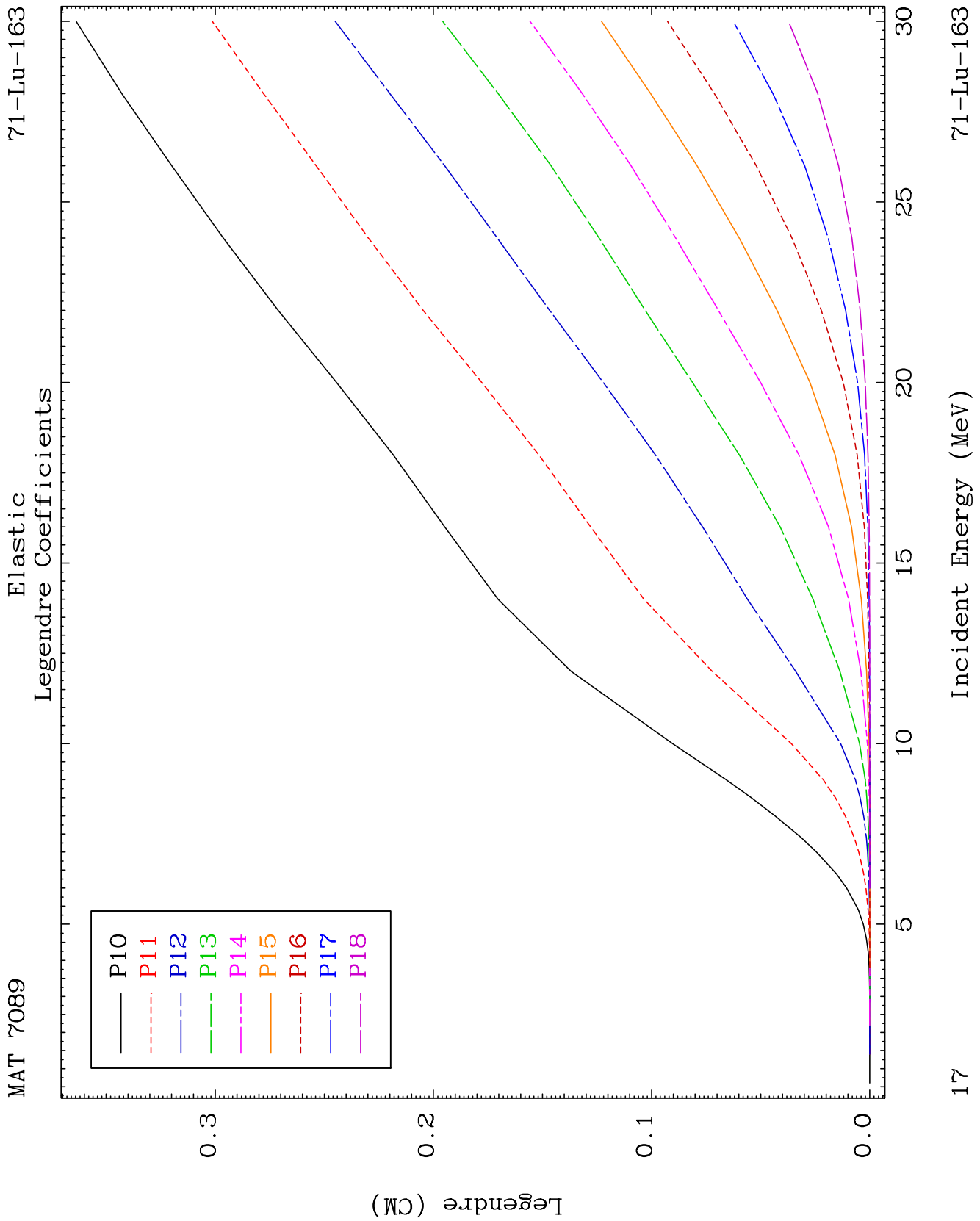
71-Lu-163



16

Incident Energy (MeV)

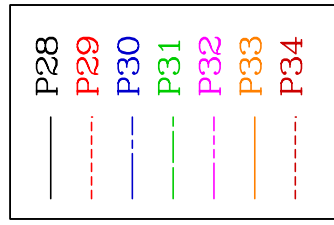
71-Lu-163



MAT 7089

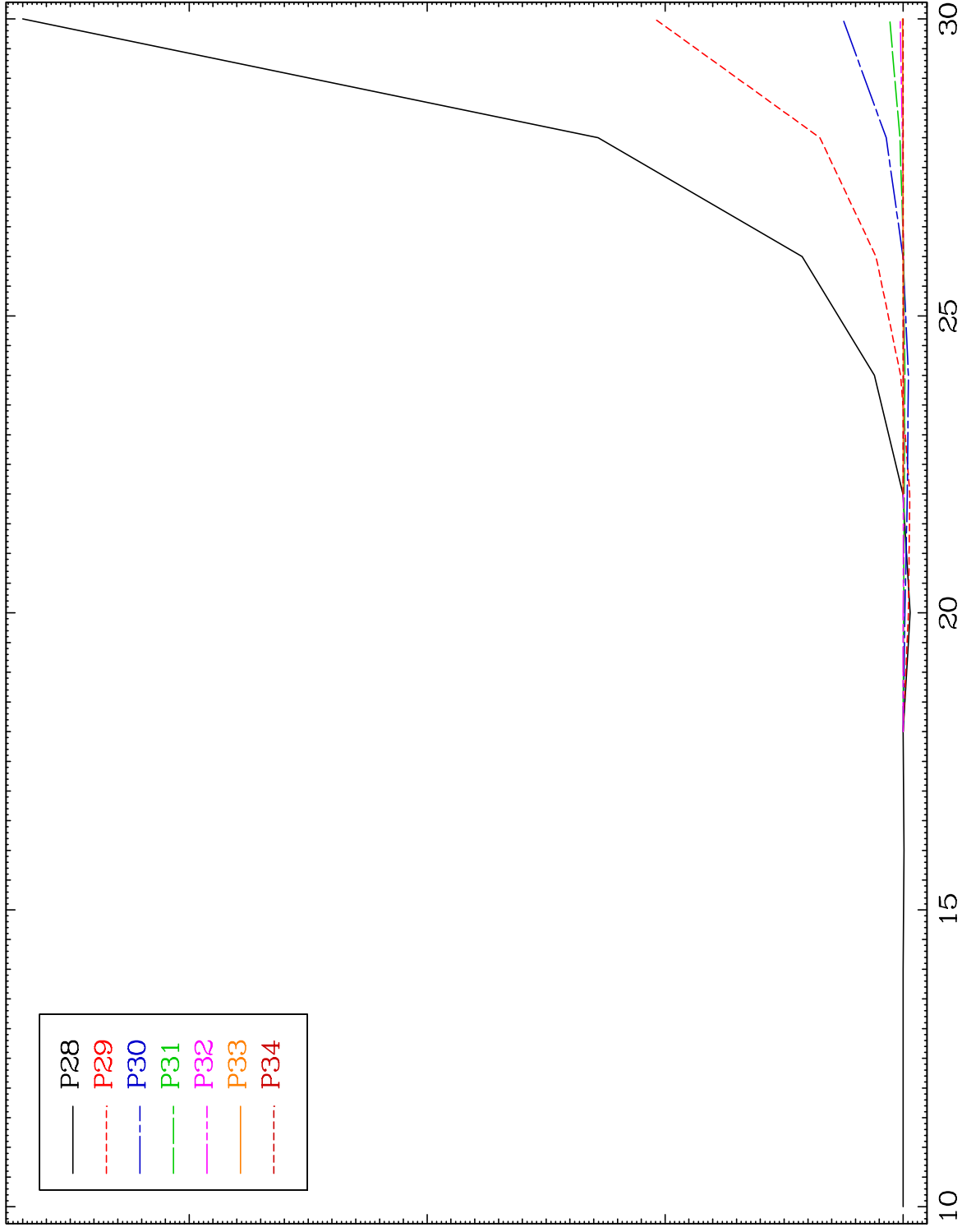
Elastic
Legendre Coefficients

71-Lu-163



$\times 10^{-6}$

Legendre (CM)



10

15

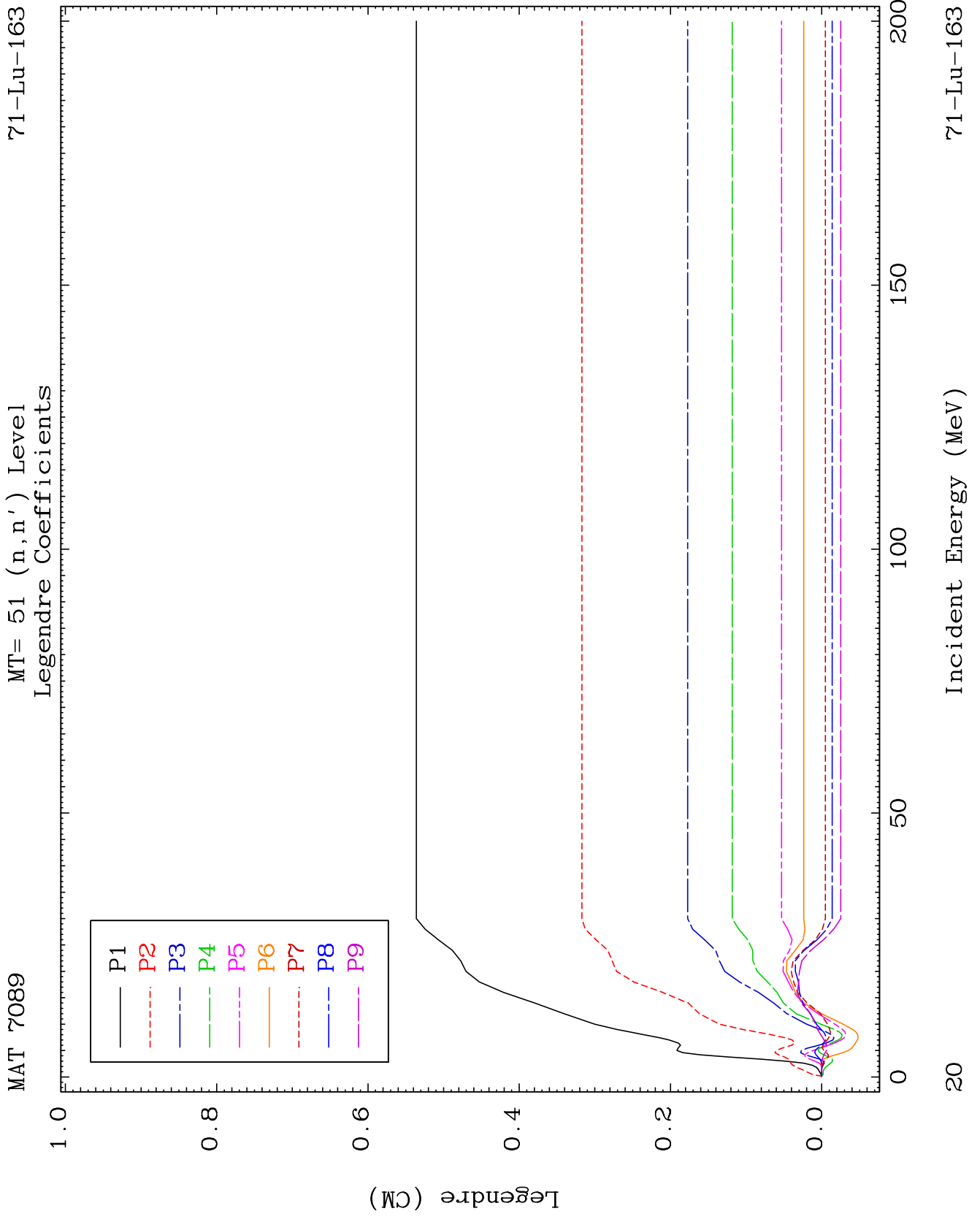
20

25

30

Incident Energy (MeV)

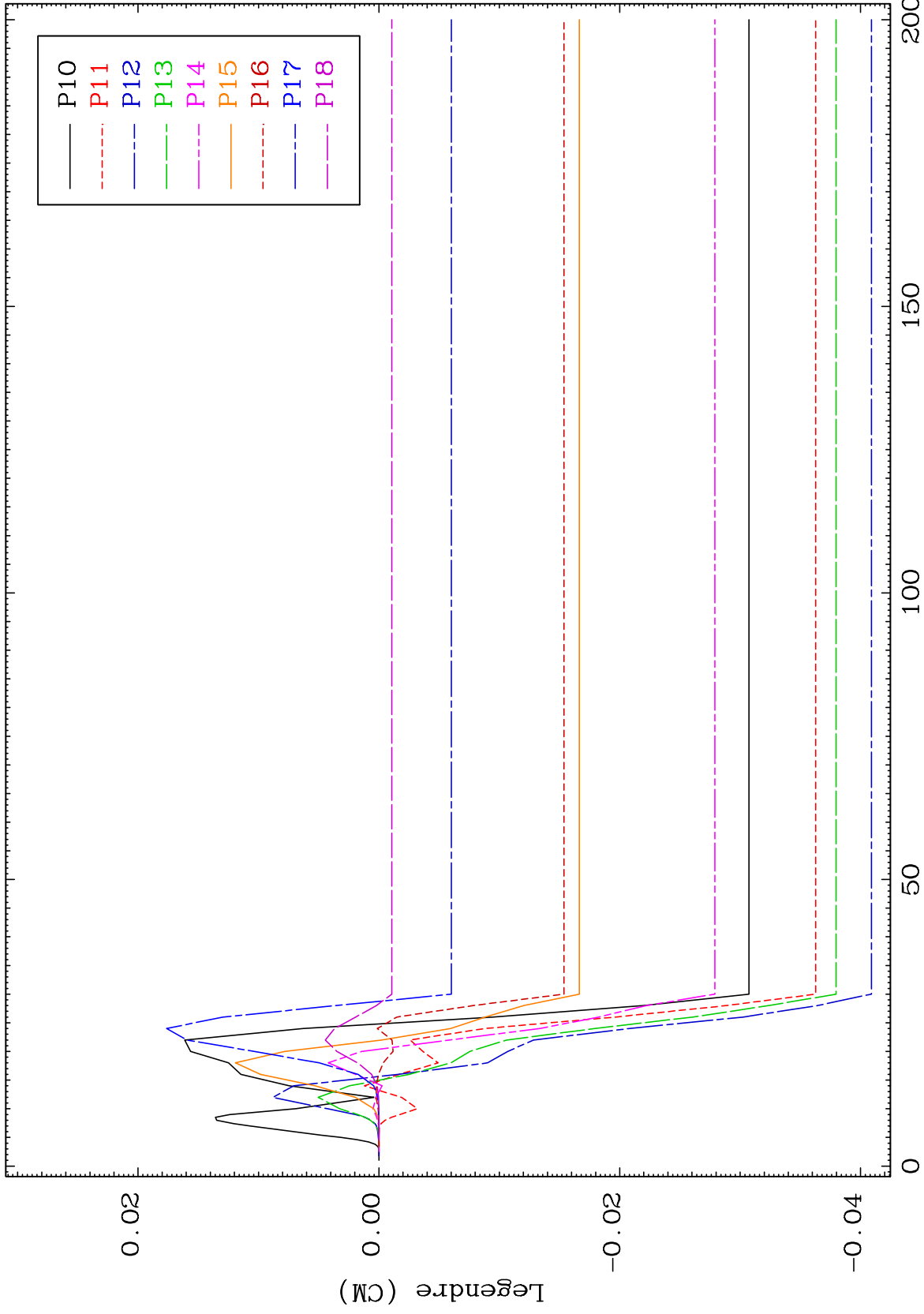
71-Lu-163



MAT 7089

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

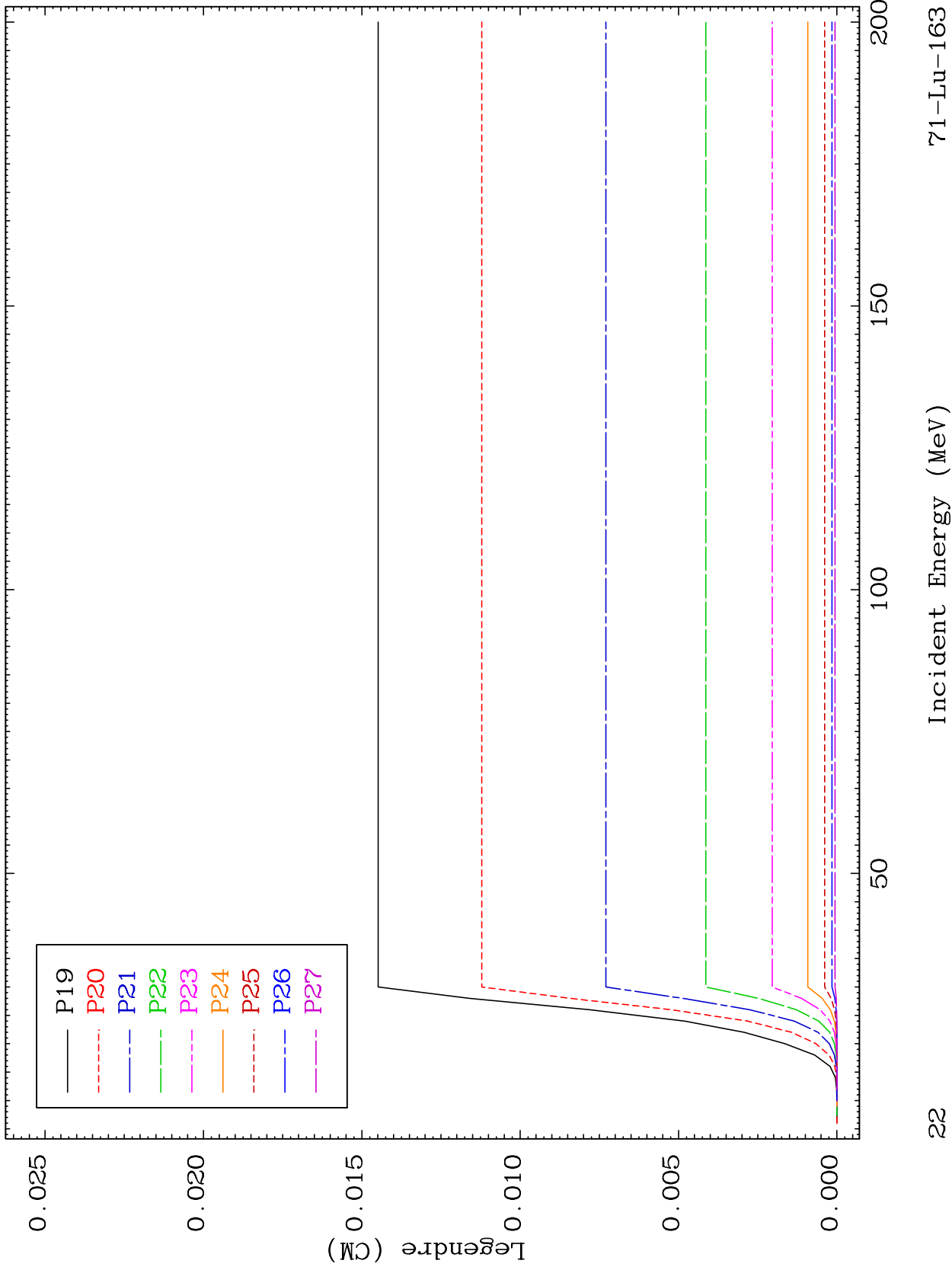
71-Lu-163



21

Incident Energy (MeV)

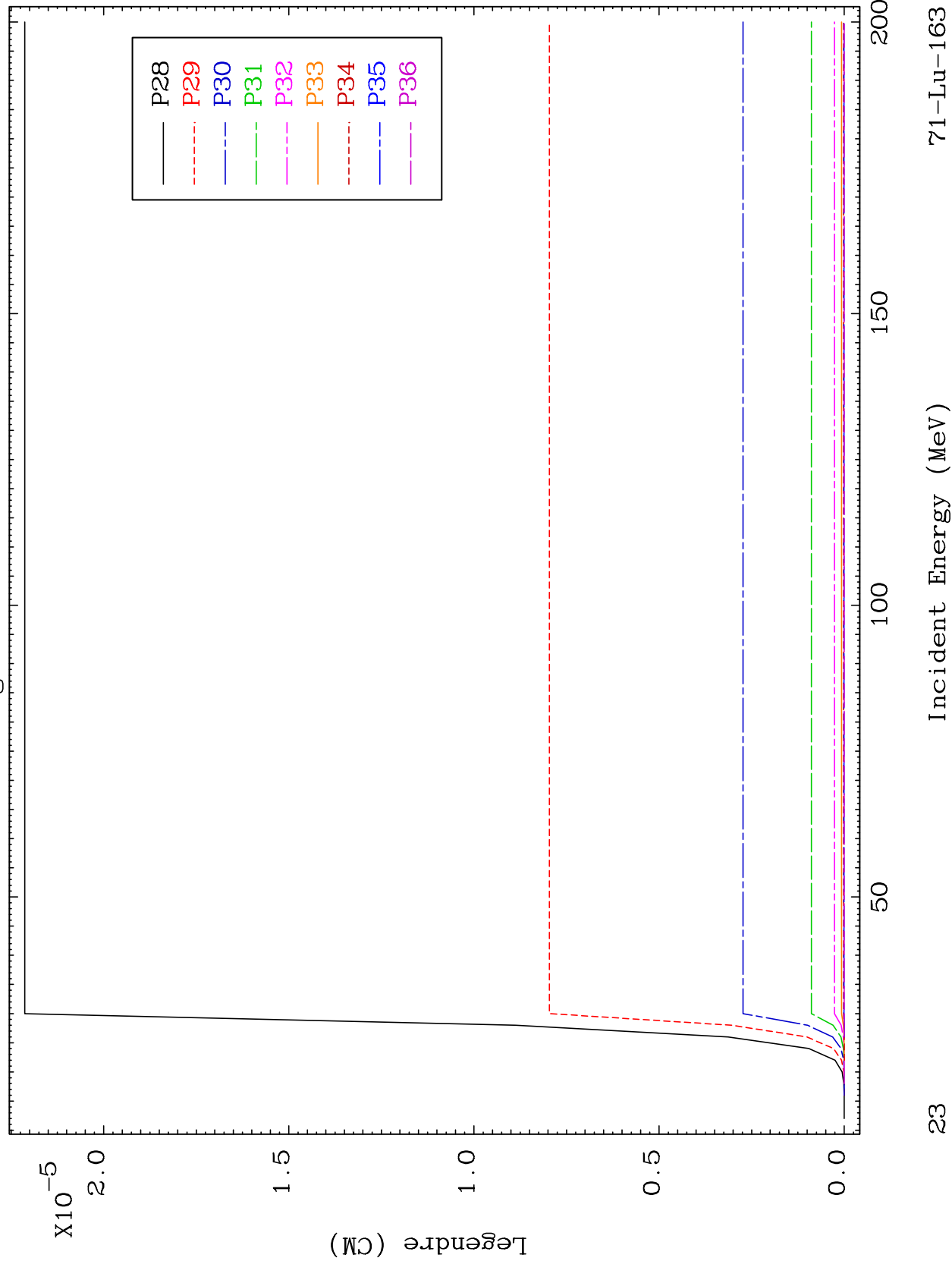
71-Lu-163



MAT 7089

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

71-Lu-163



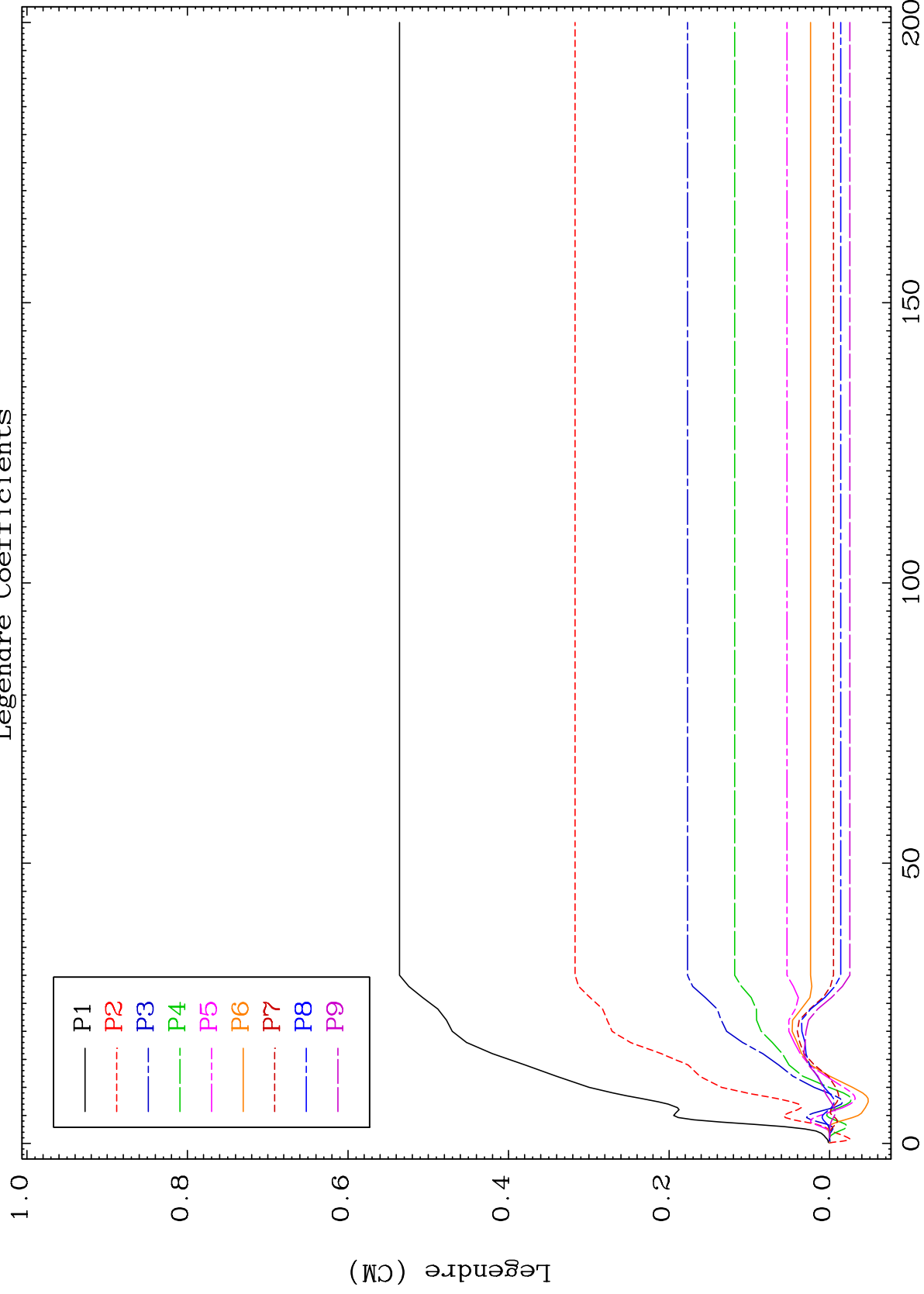
23

71-Lu-163

MAT 7089

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

71-Lu-163



71-Lu-163

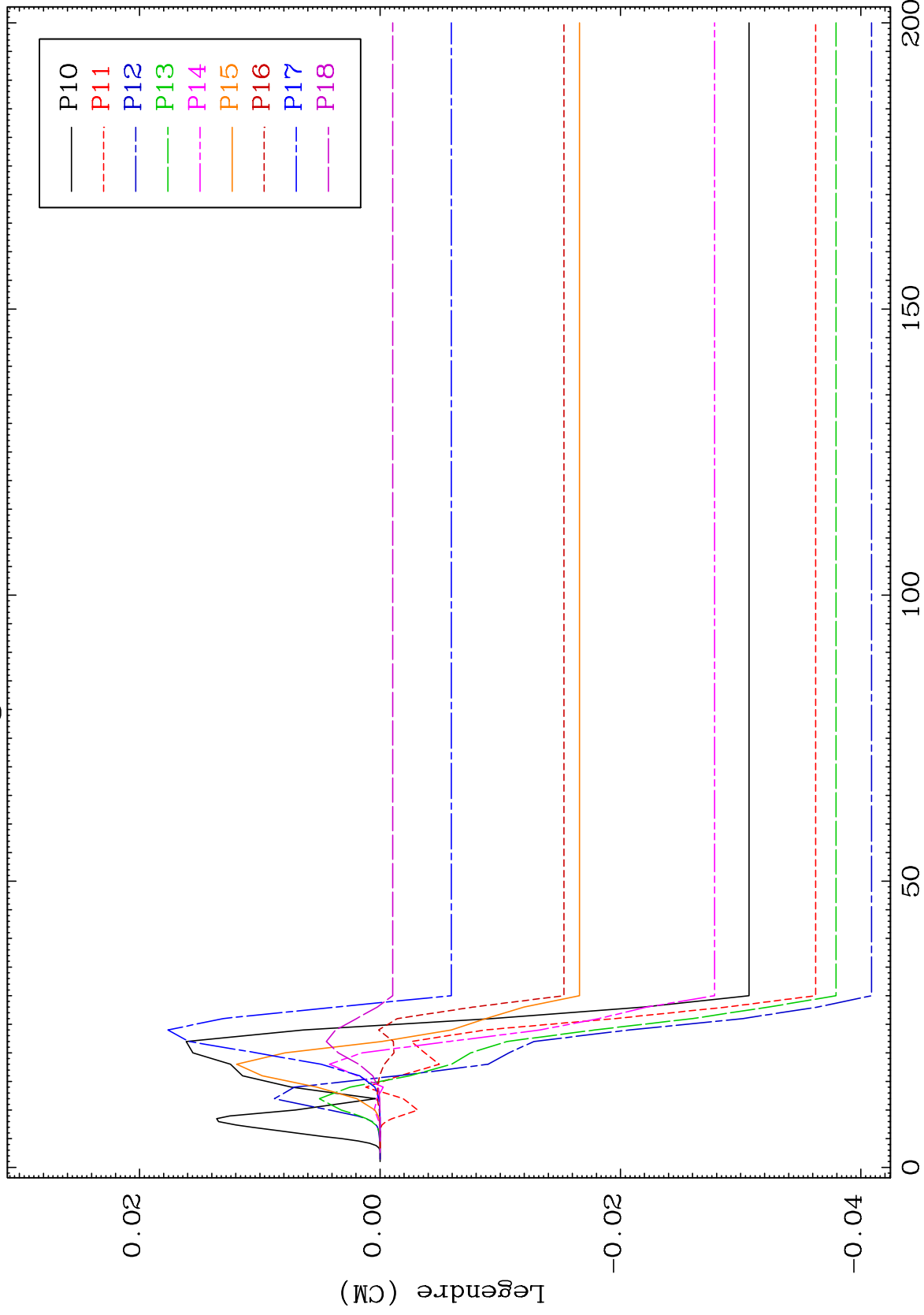
Incident Energy (MeV)

24

MAT 7089

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

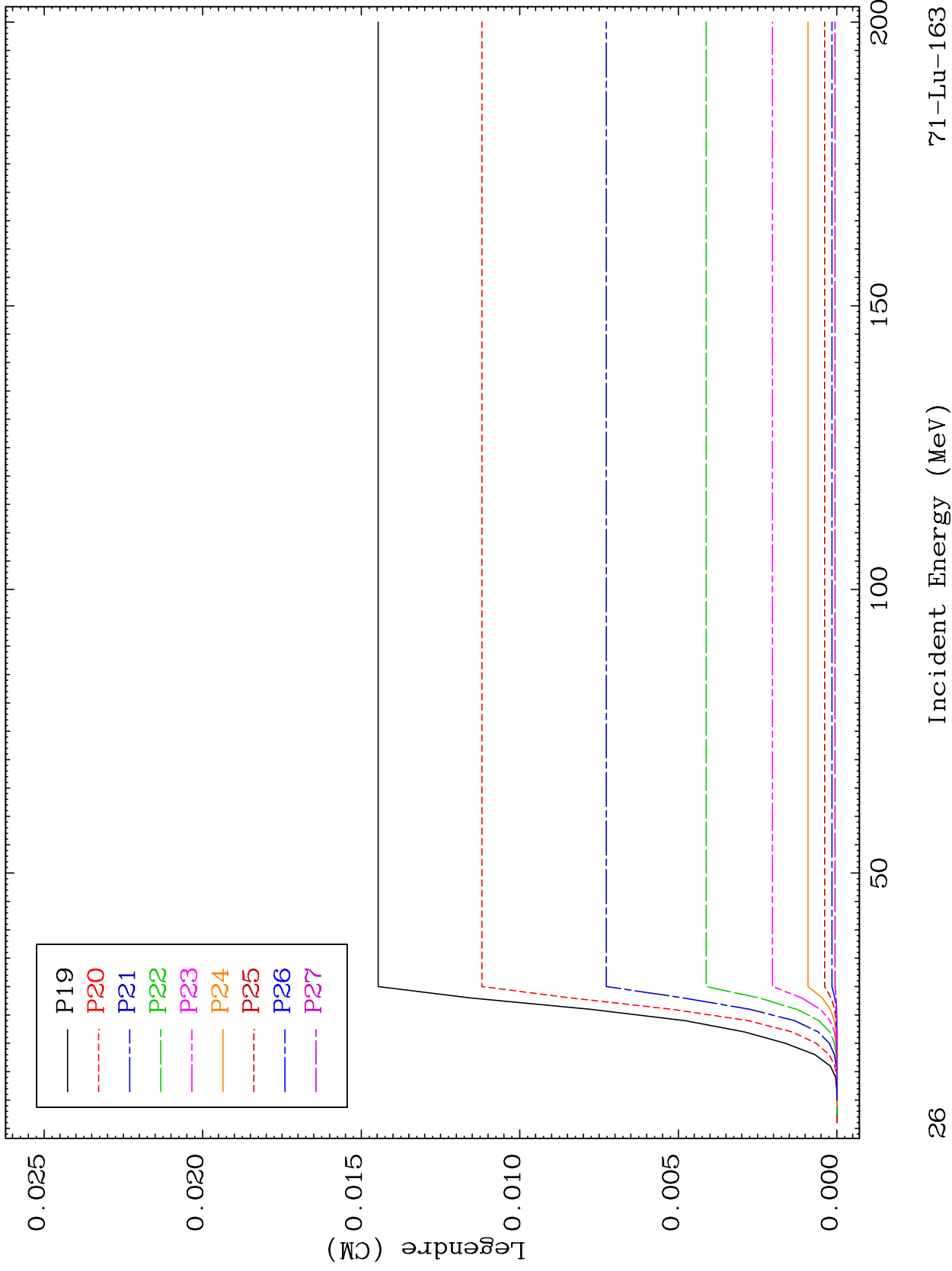
71-Lu-163



25

Incident Energy (MeV)

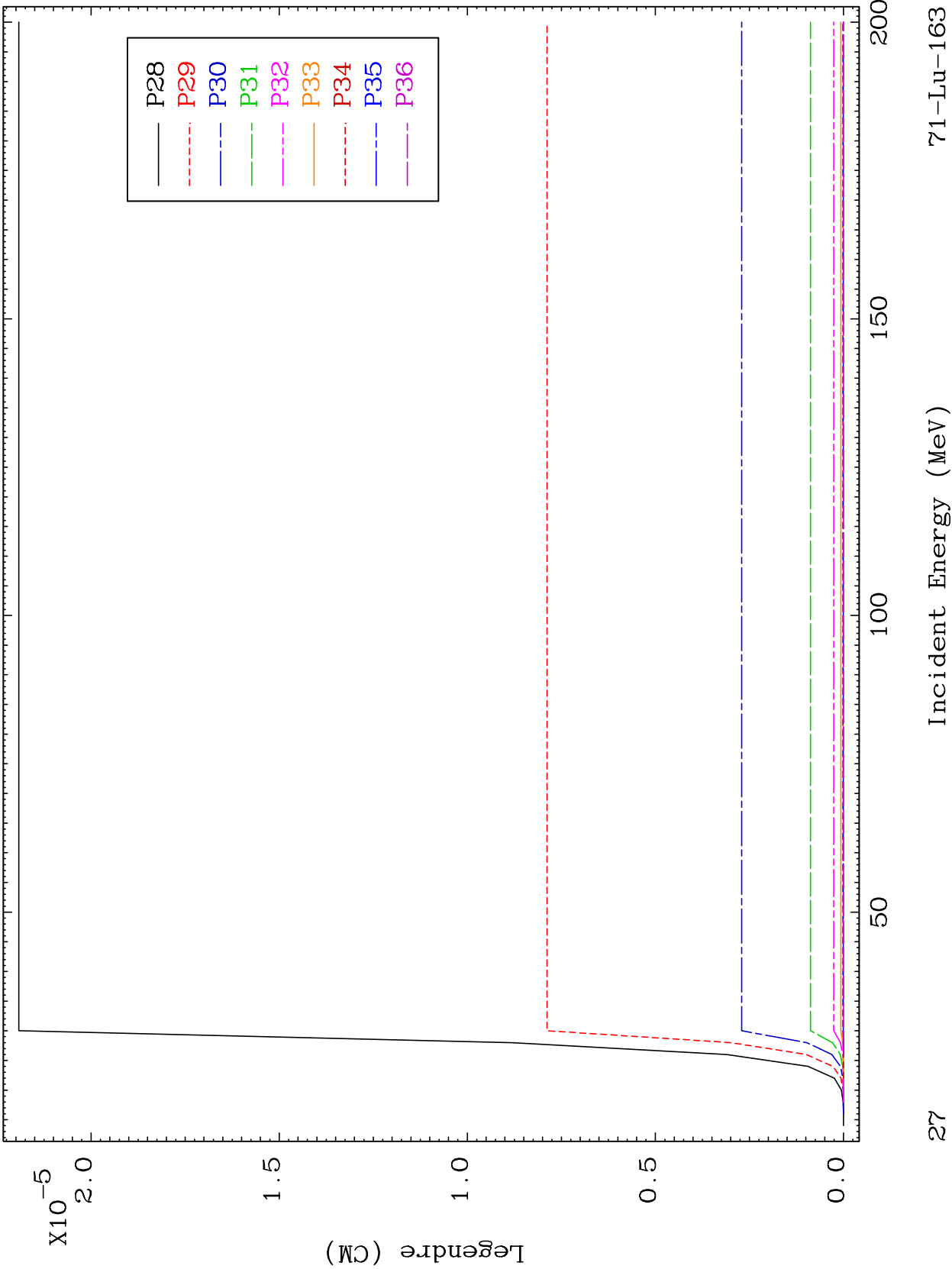
71-Lu-163



MAT 7089

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

71-Lu-163



27

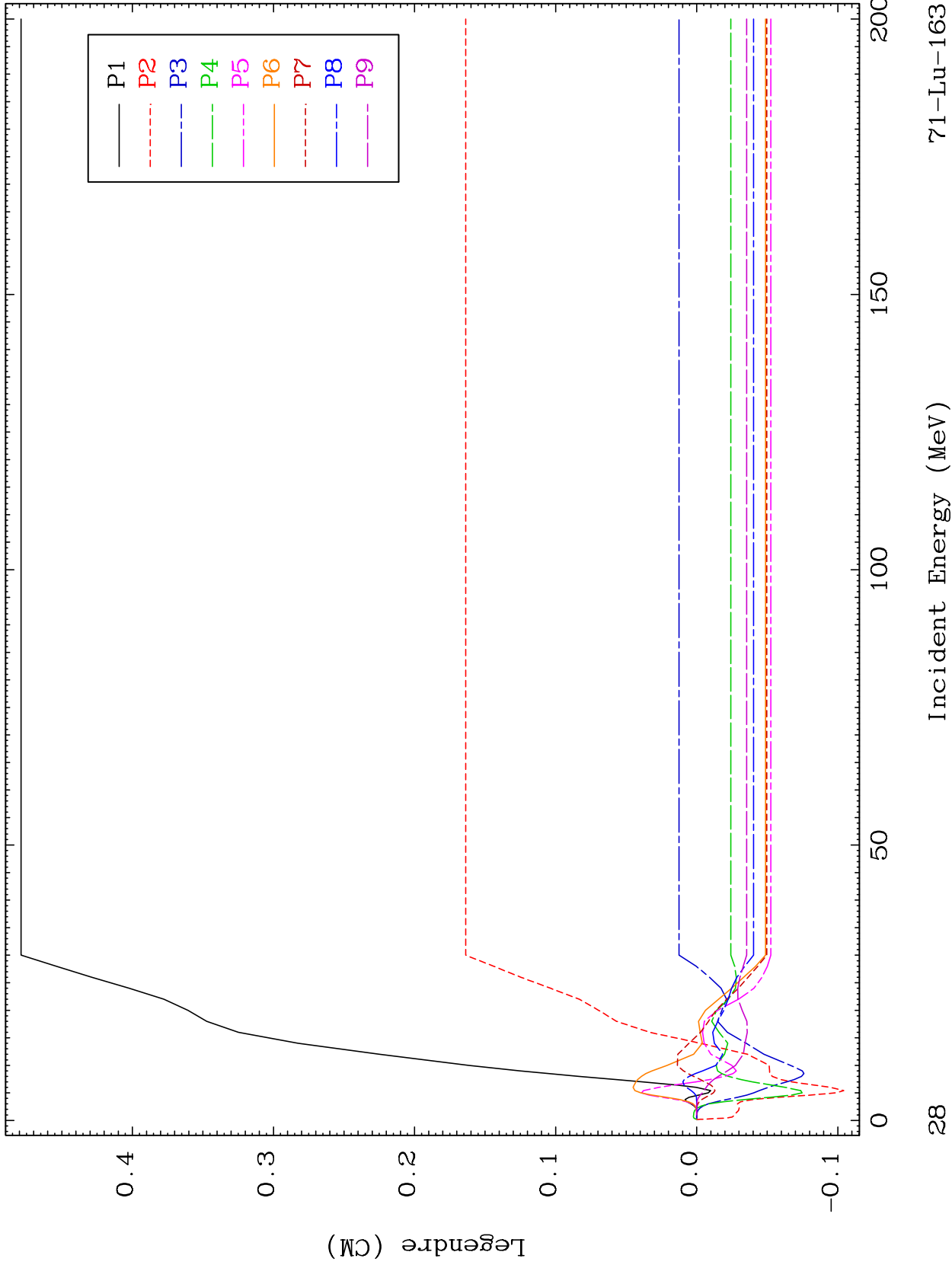
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



71-Lu-163

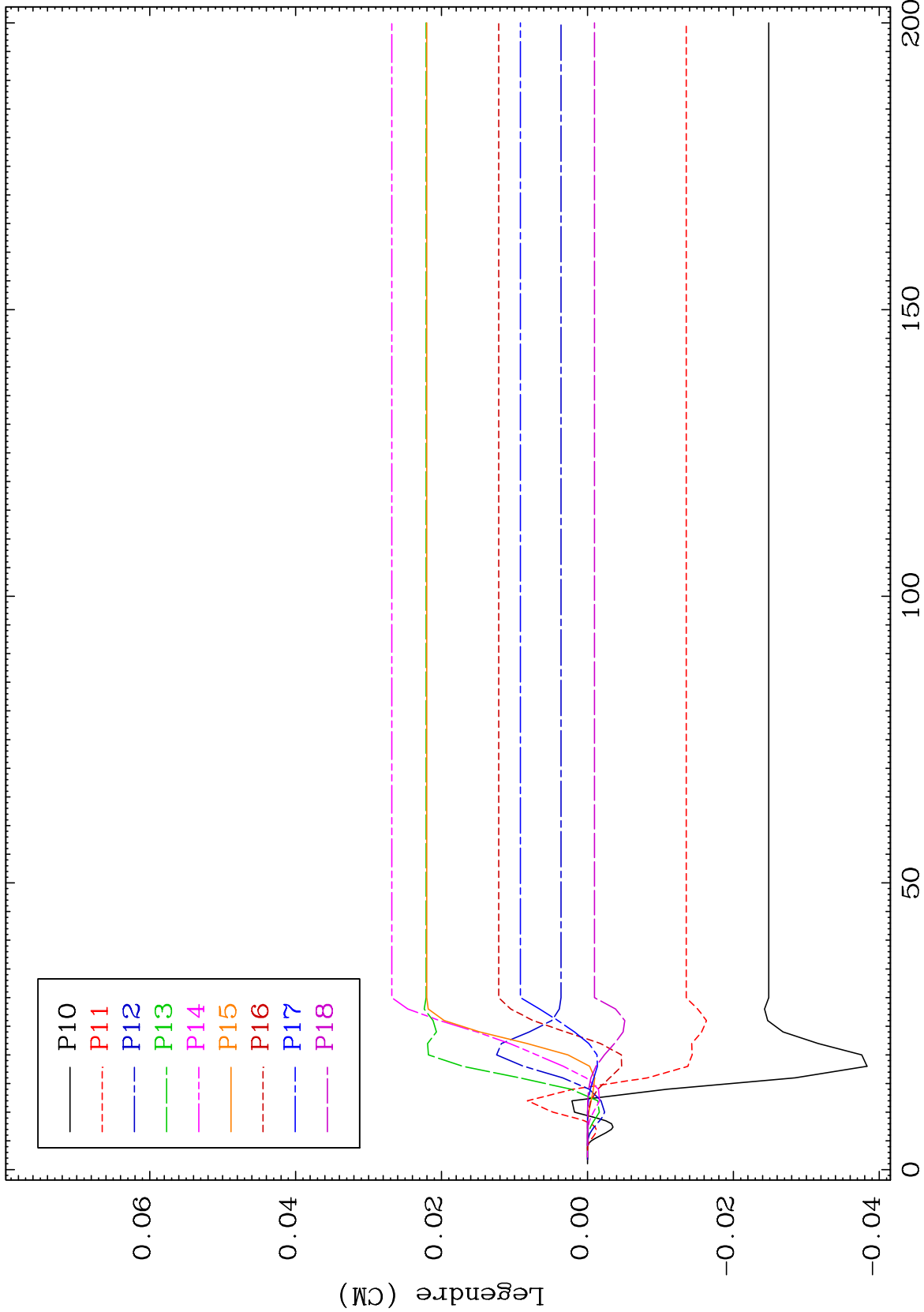
Incident Energy (MeV)

28

MAT 7089

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

71-Lu-163



29

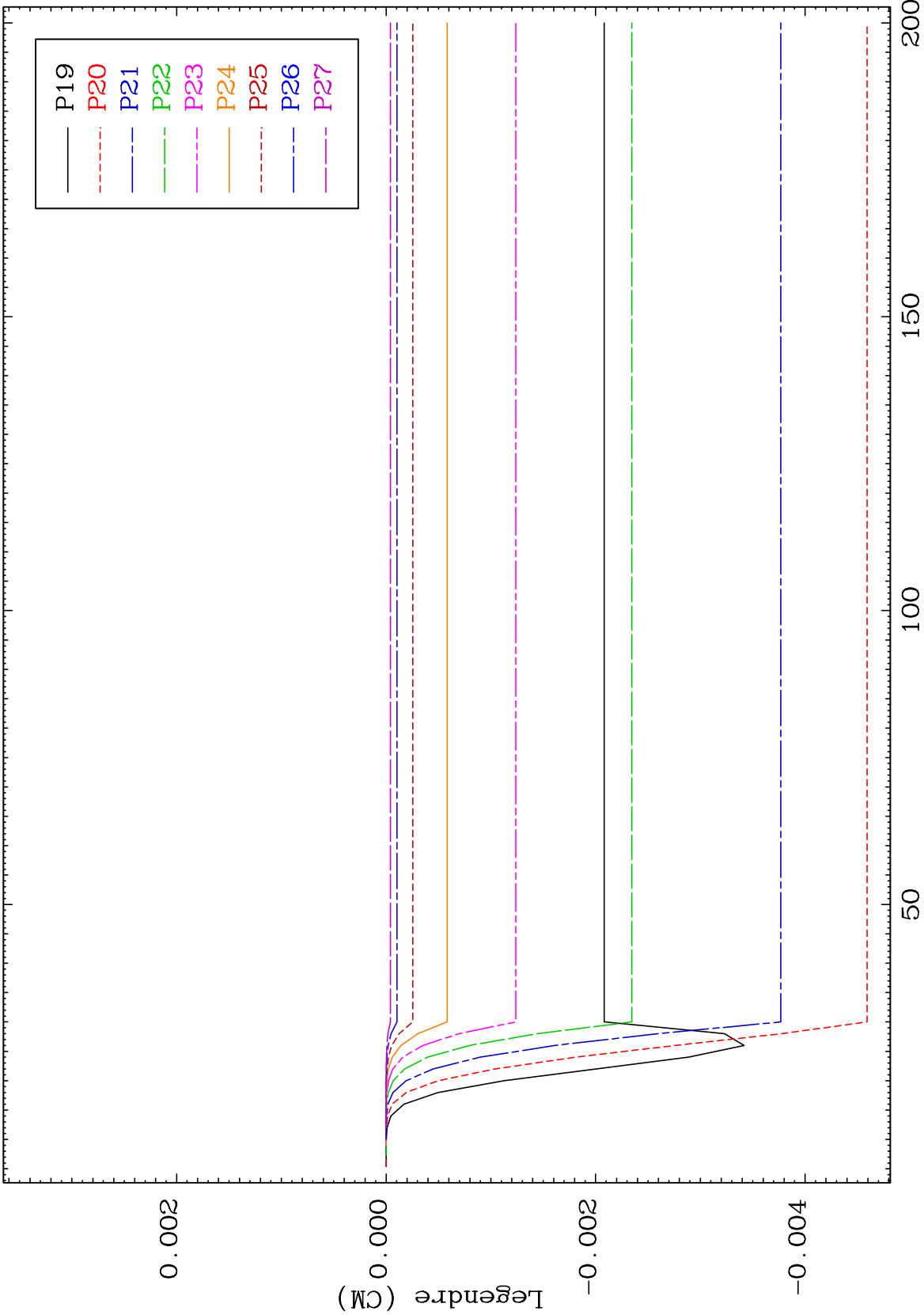
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

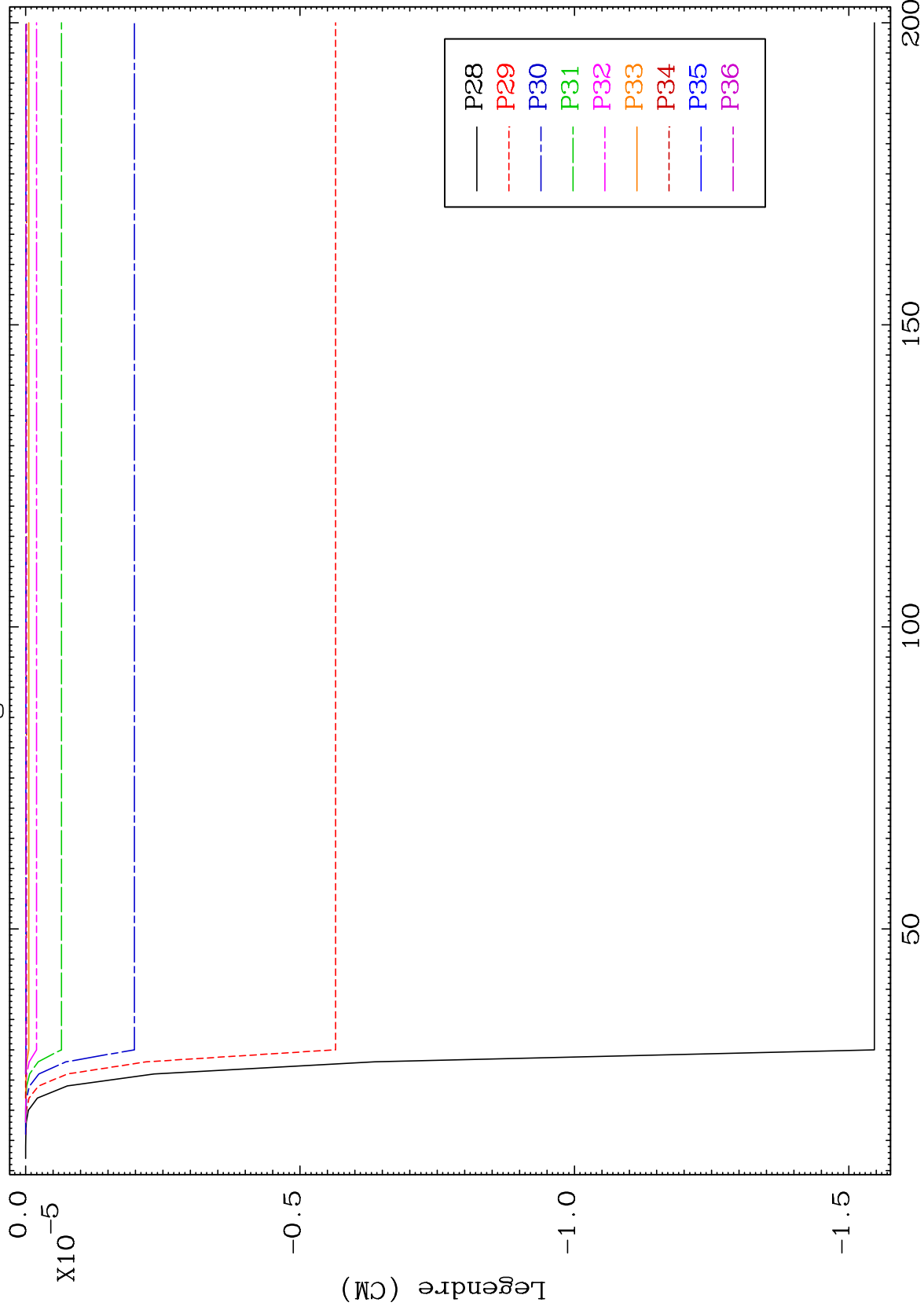
71-Lu-163



30

Incident Energy (MeV)

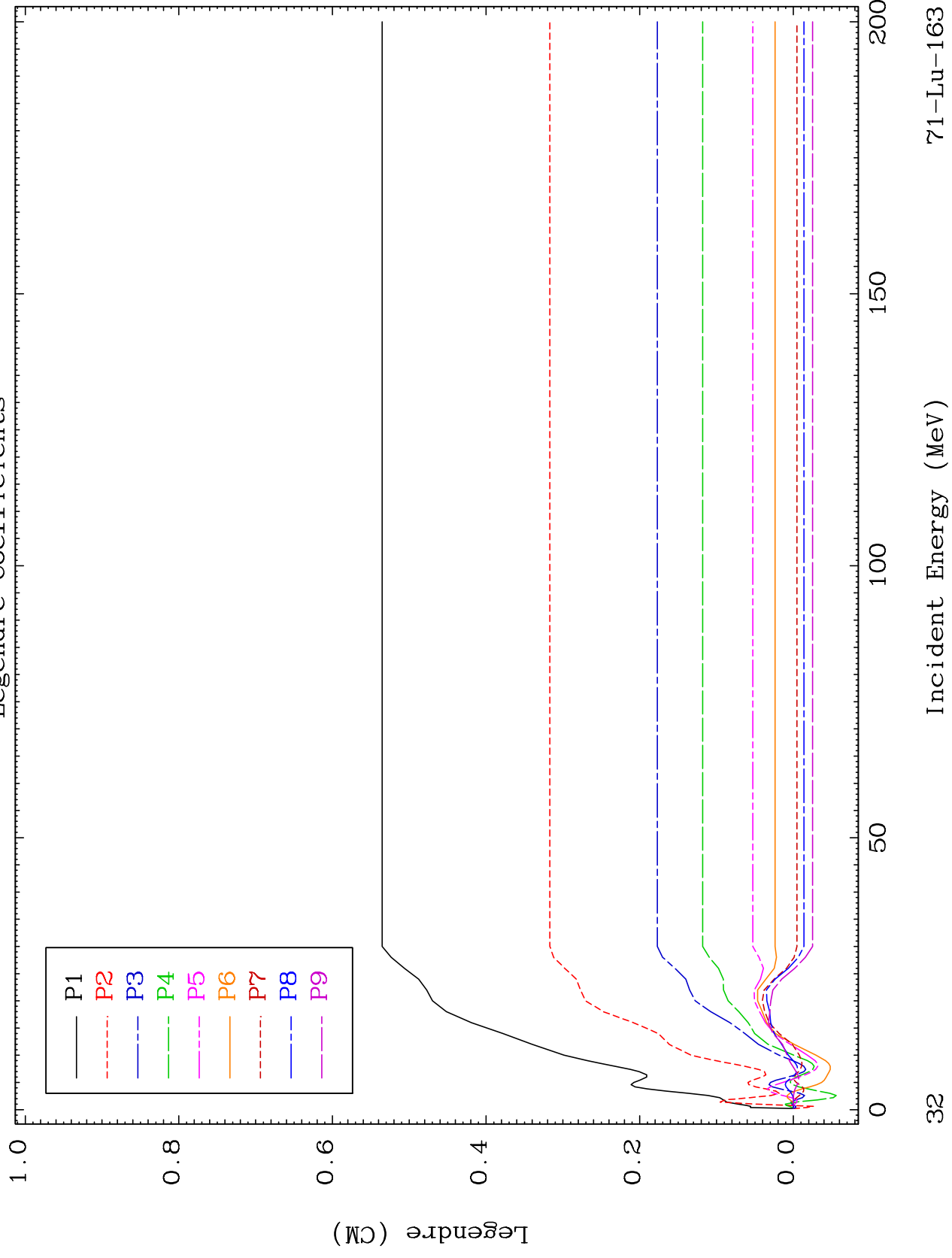
71-Lu-163



MAT 7089

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

71-Lu-163

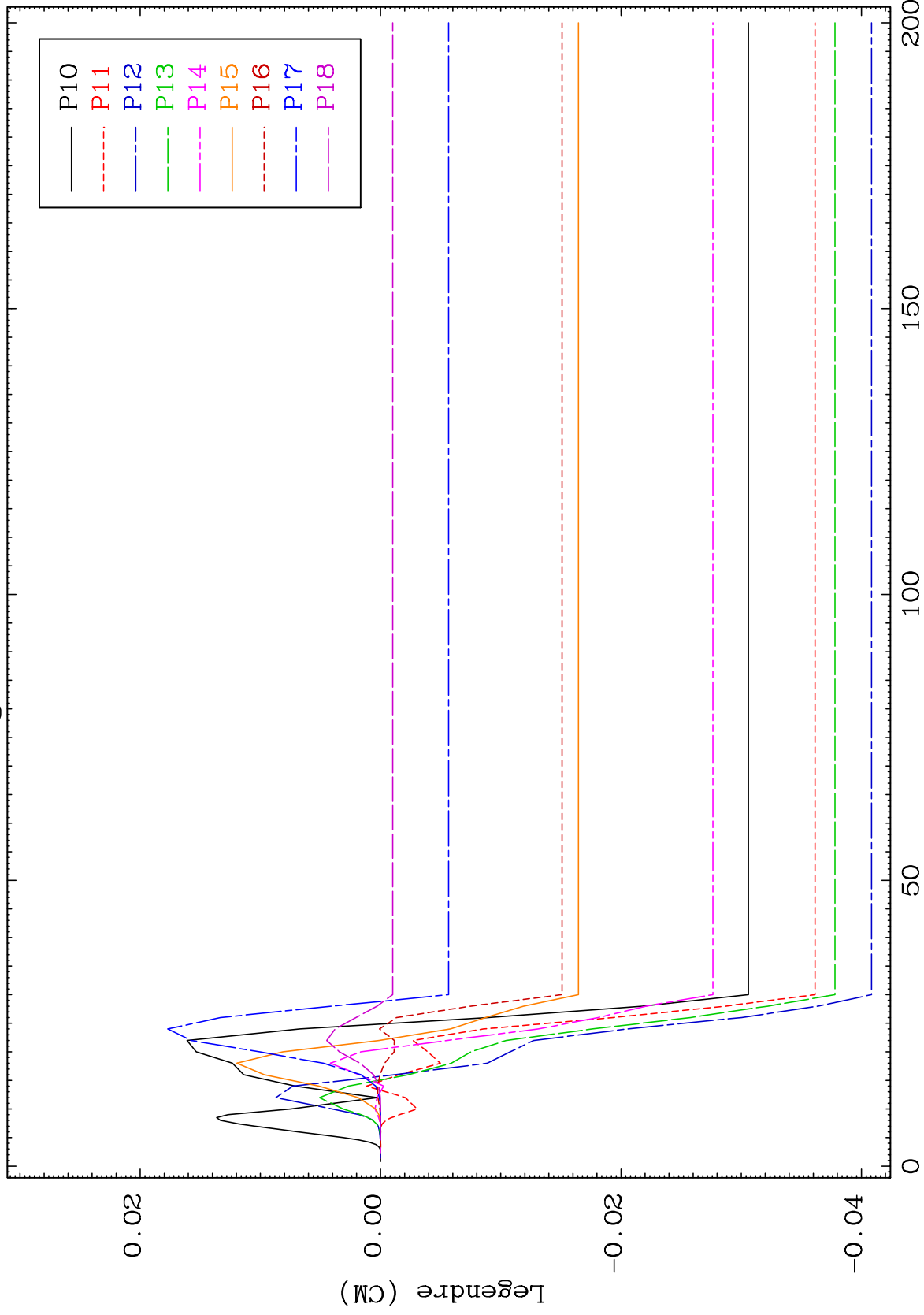


32

MAT 7089

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

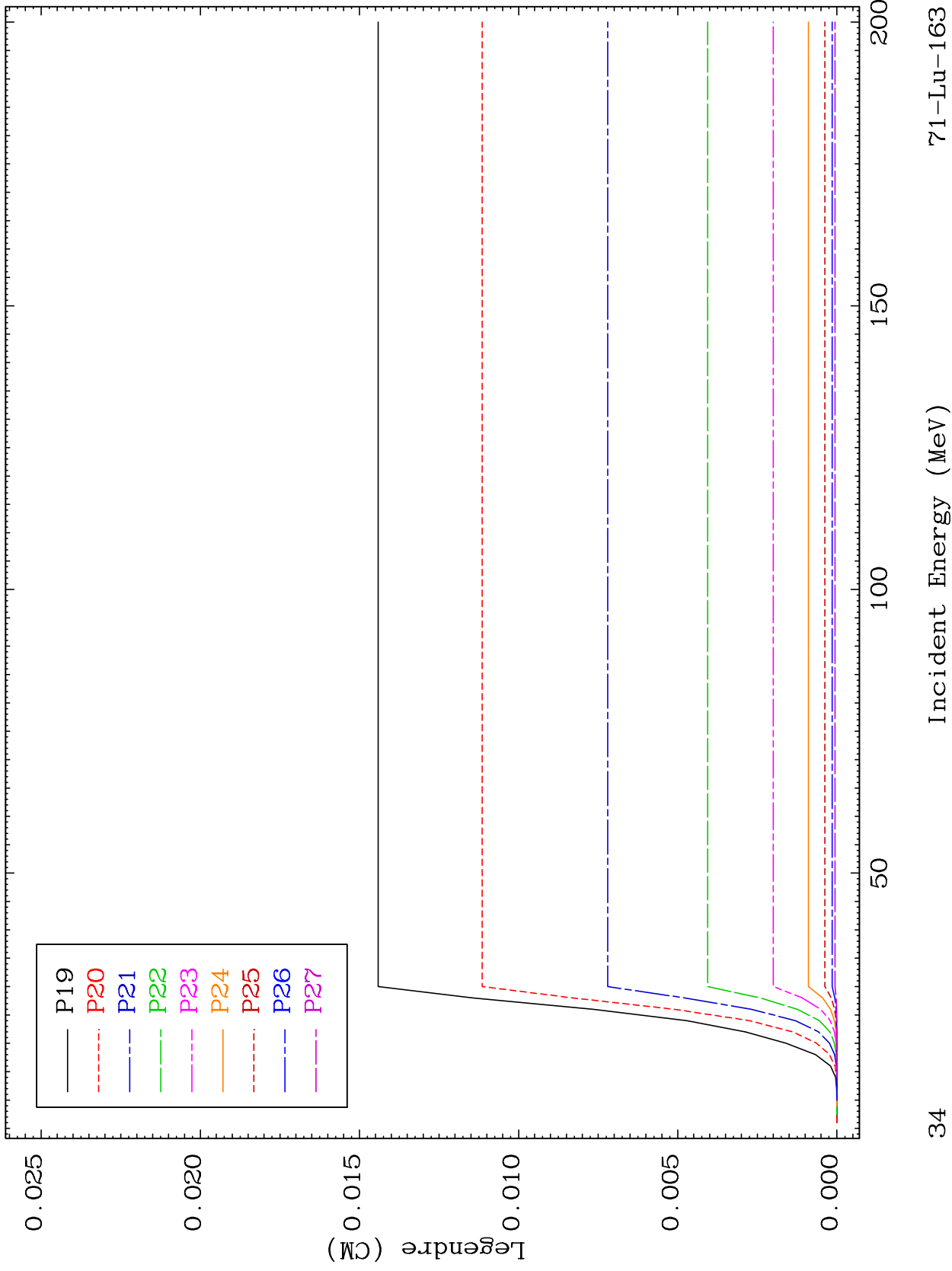
71-Lu-163



33

Incident Energy (MeV)

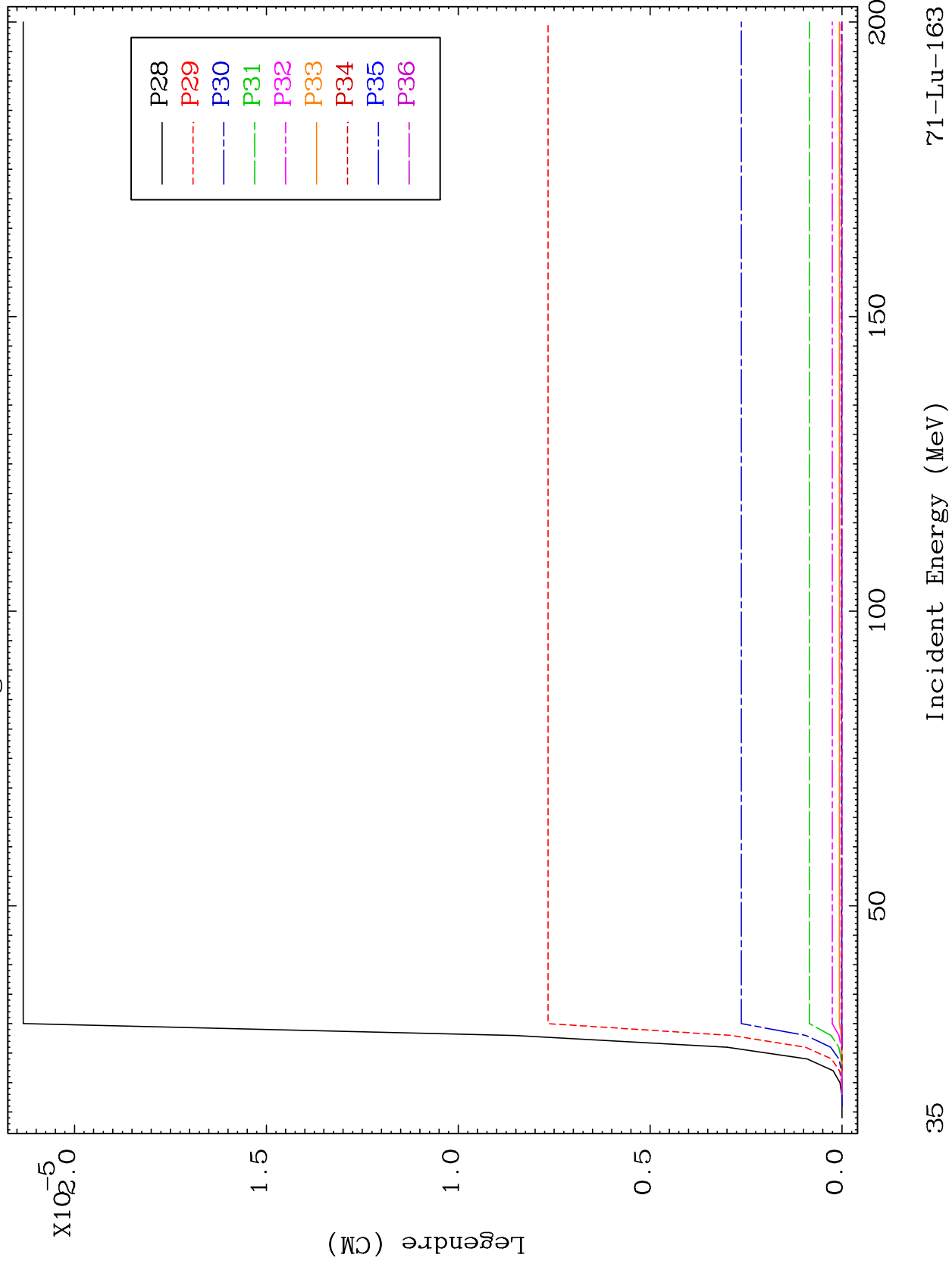
71-Lu-163



MAT 7089

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

71-Lu-163



35

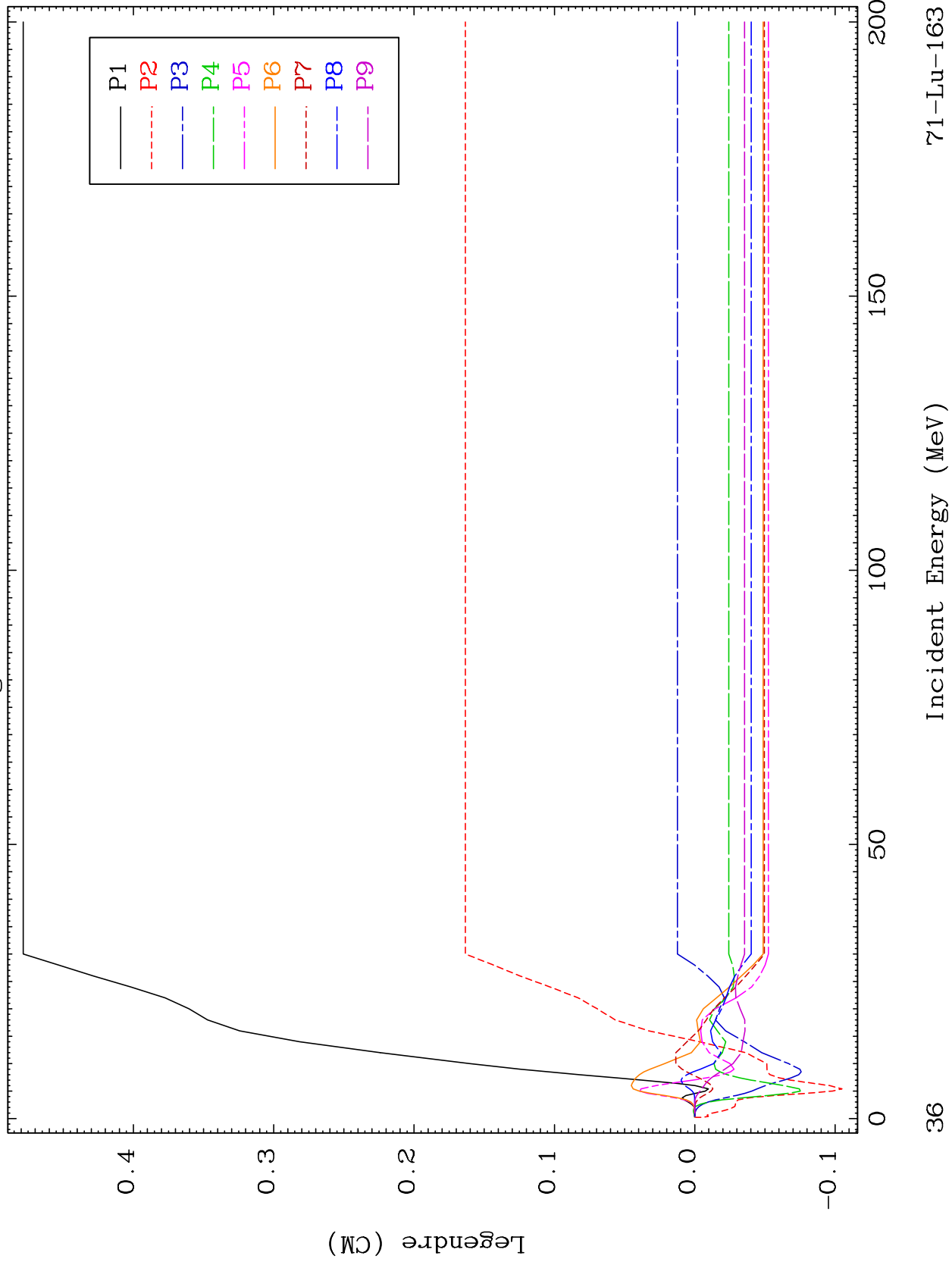
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



71-Lu-163

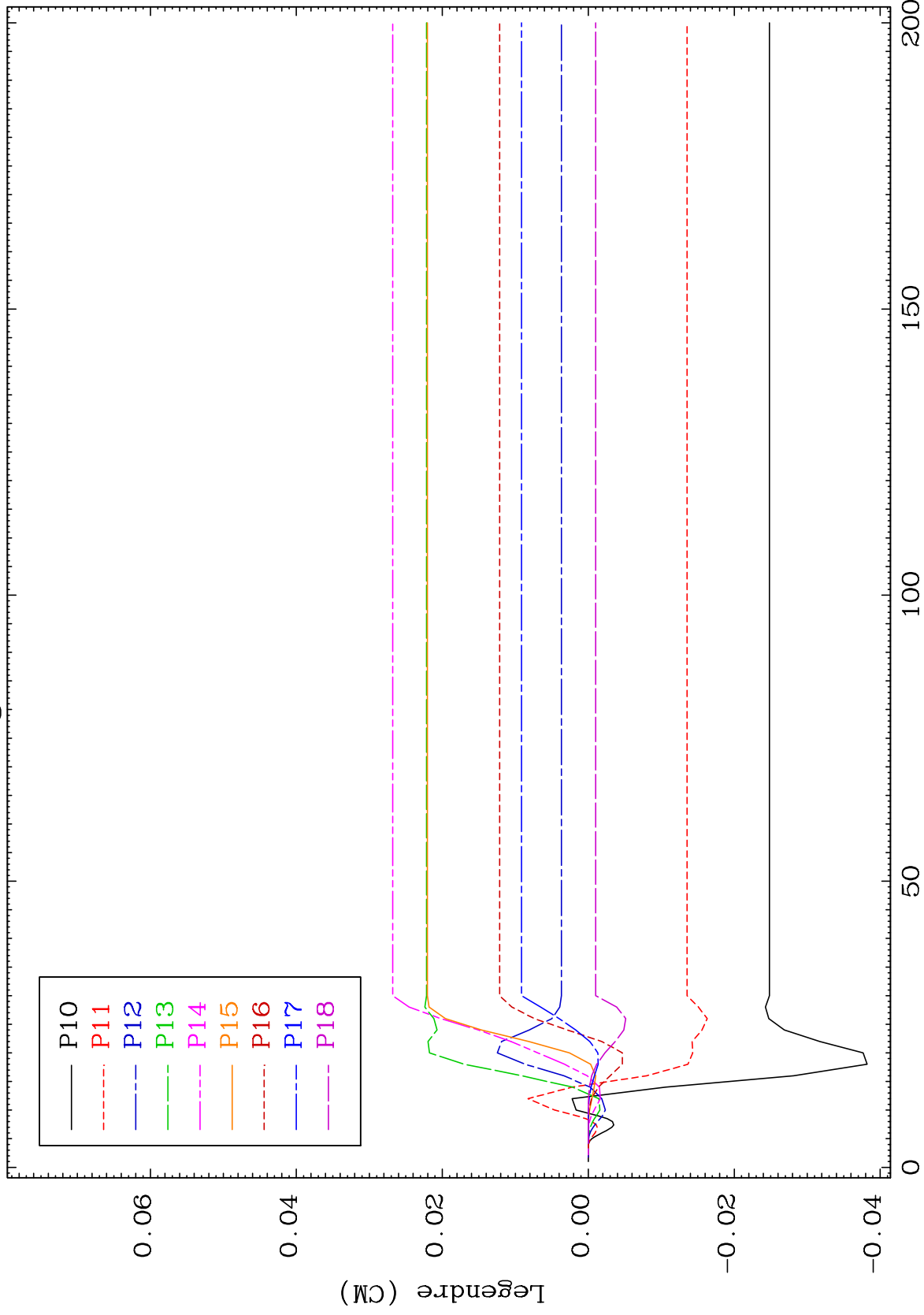
Incident Energy (MeV)

36

MAT 7089

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

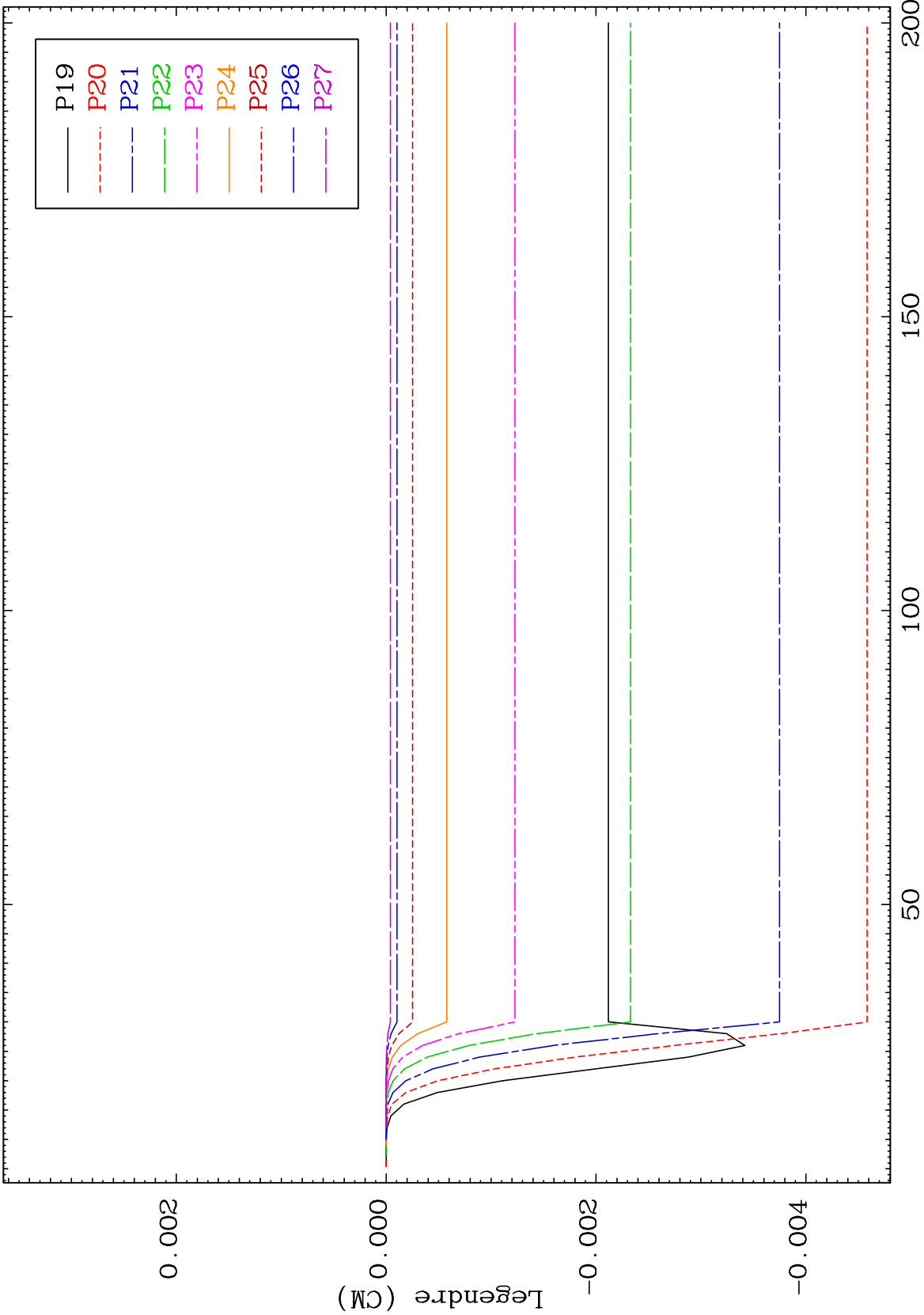
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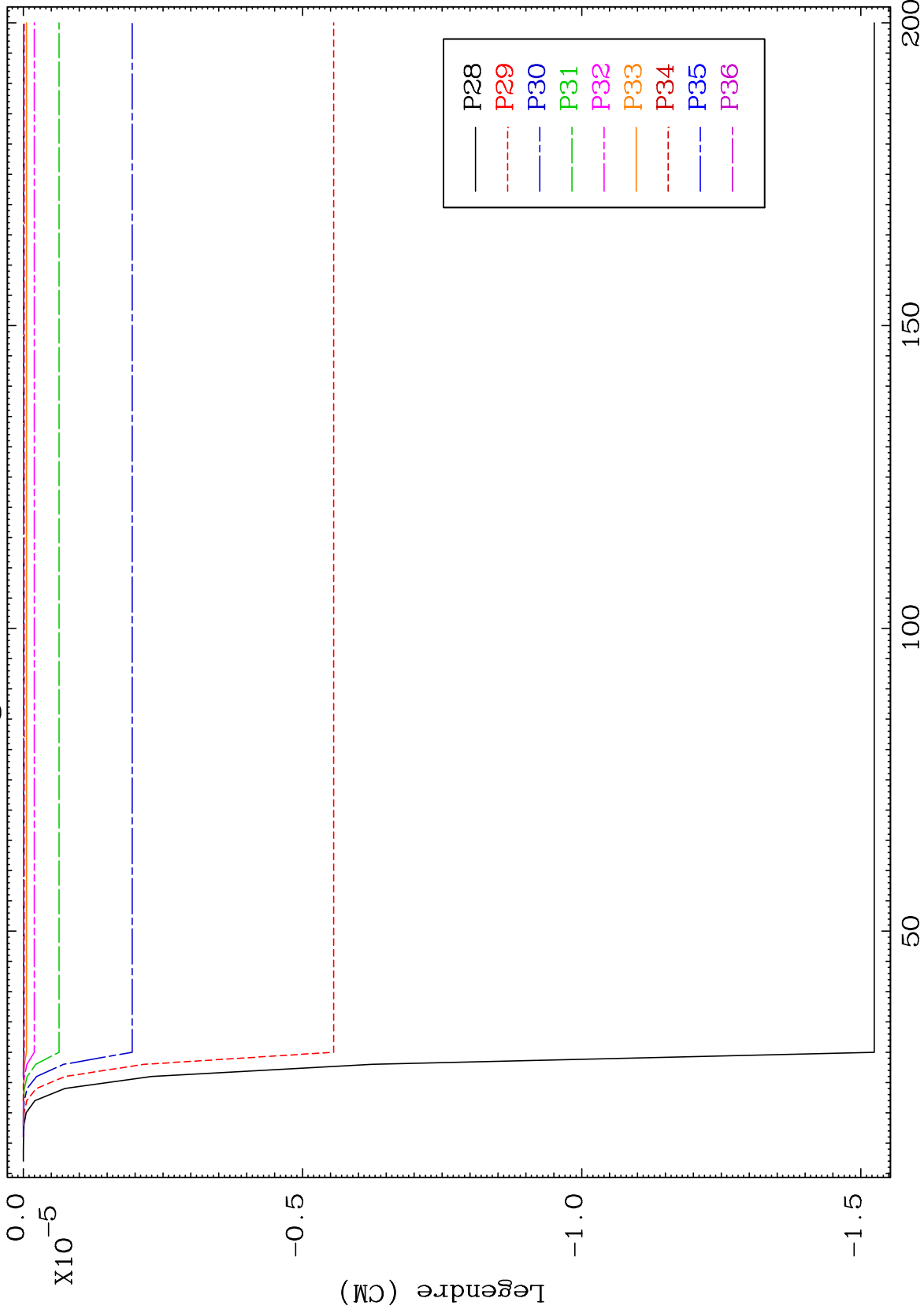


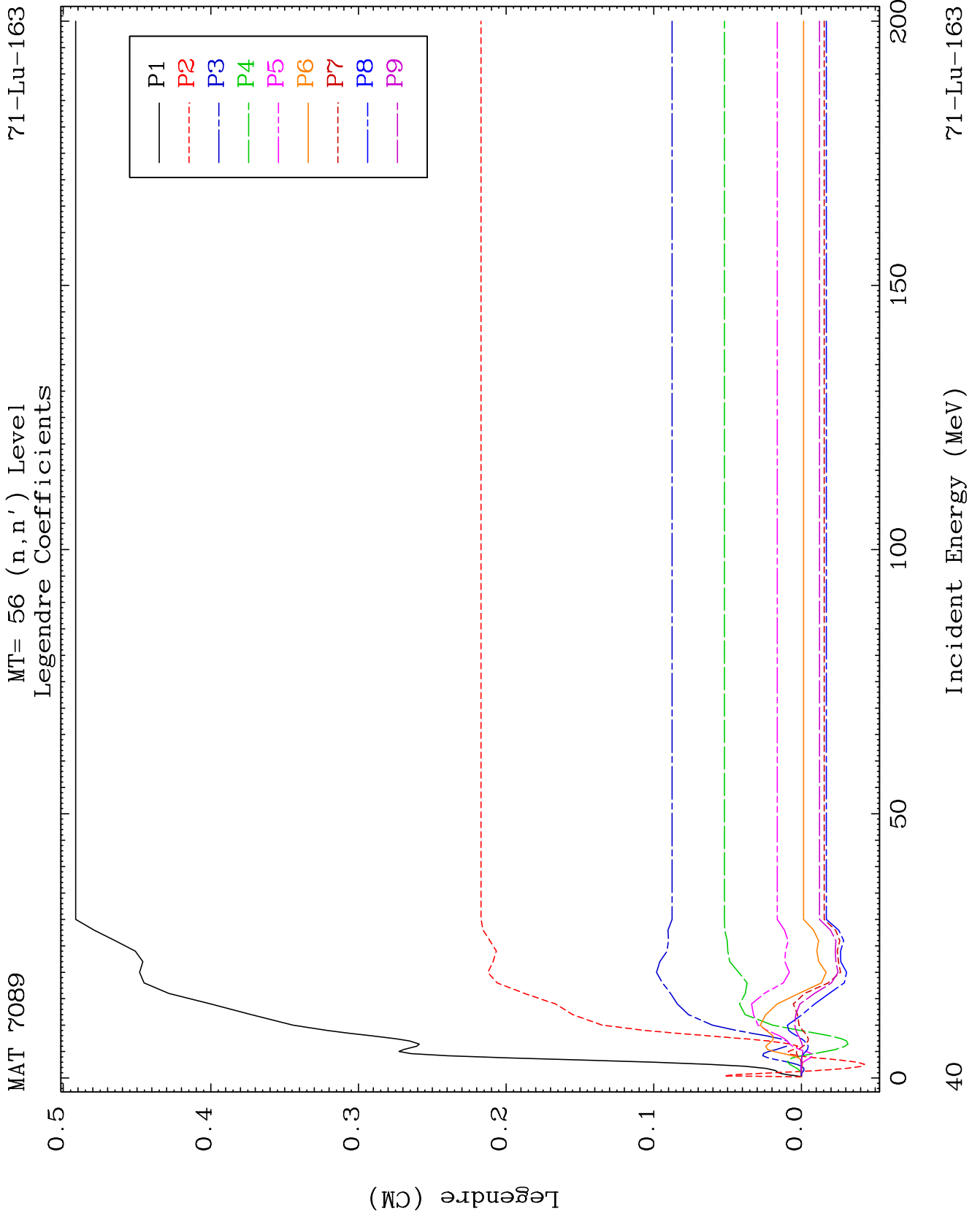
37

Incident Energy (MeV)

71-Lu-163



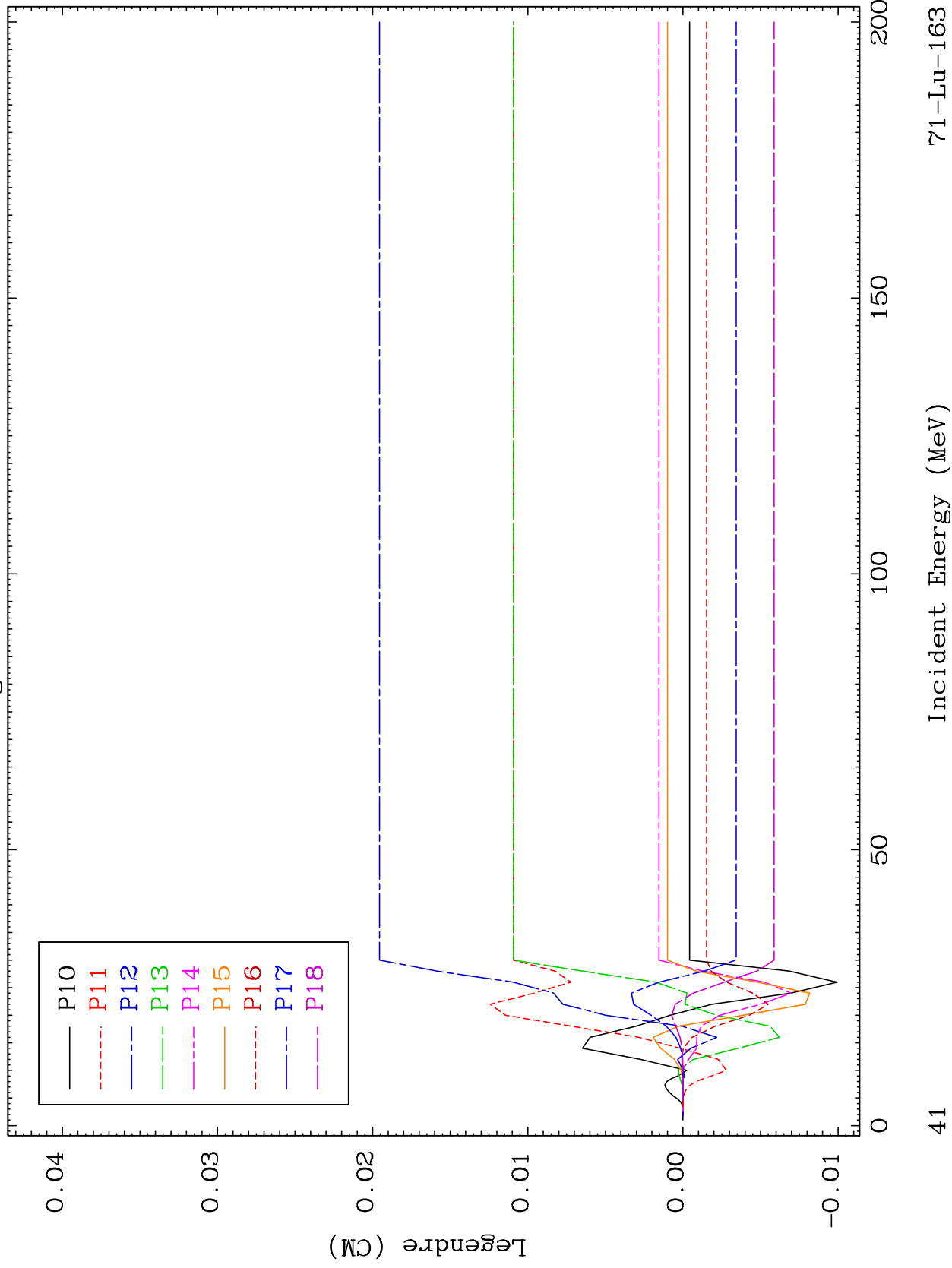




MAT 7089

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

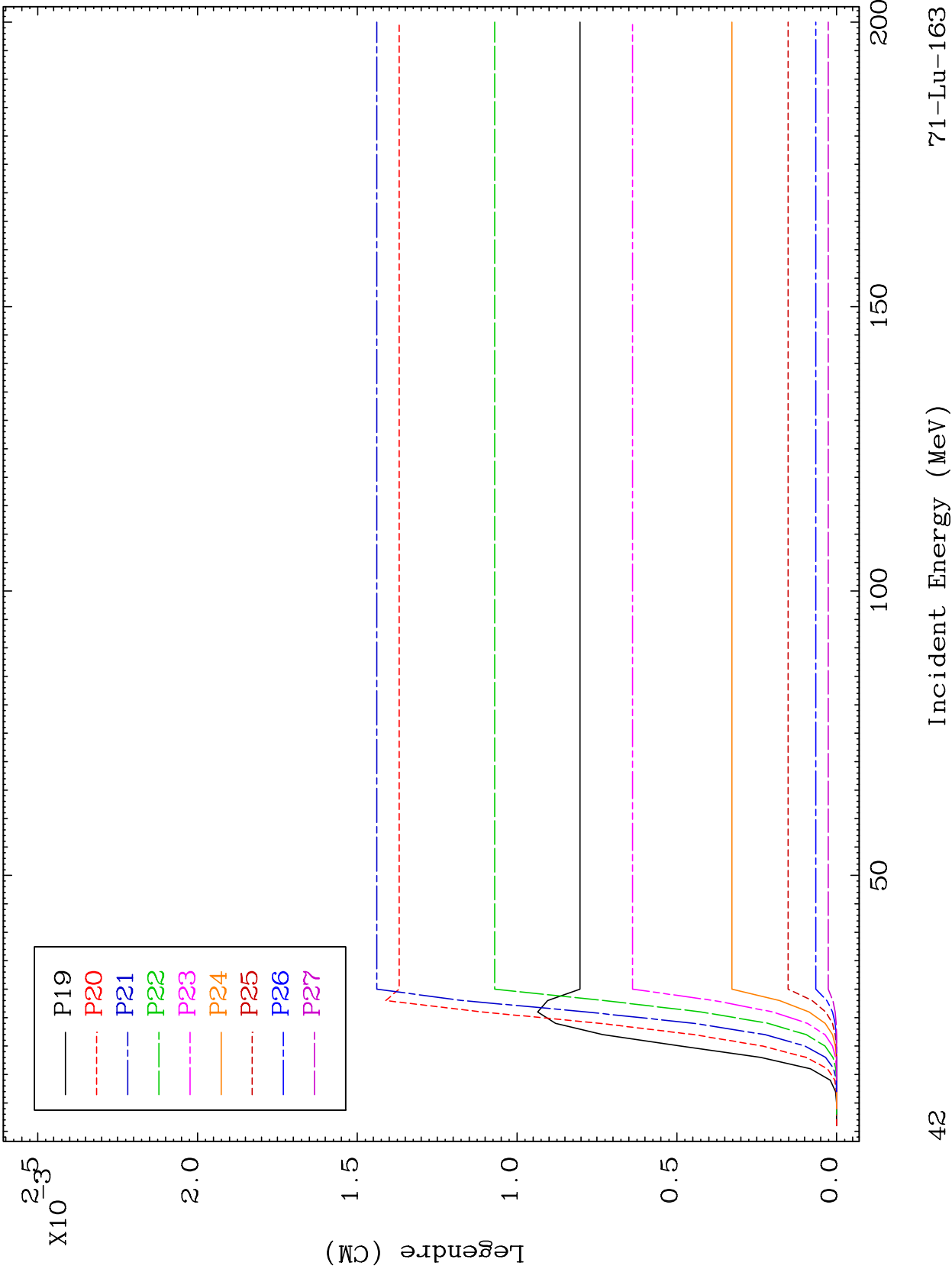
71-Lu-163



41

Incident Energy (MeV)

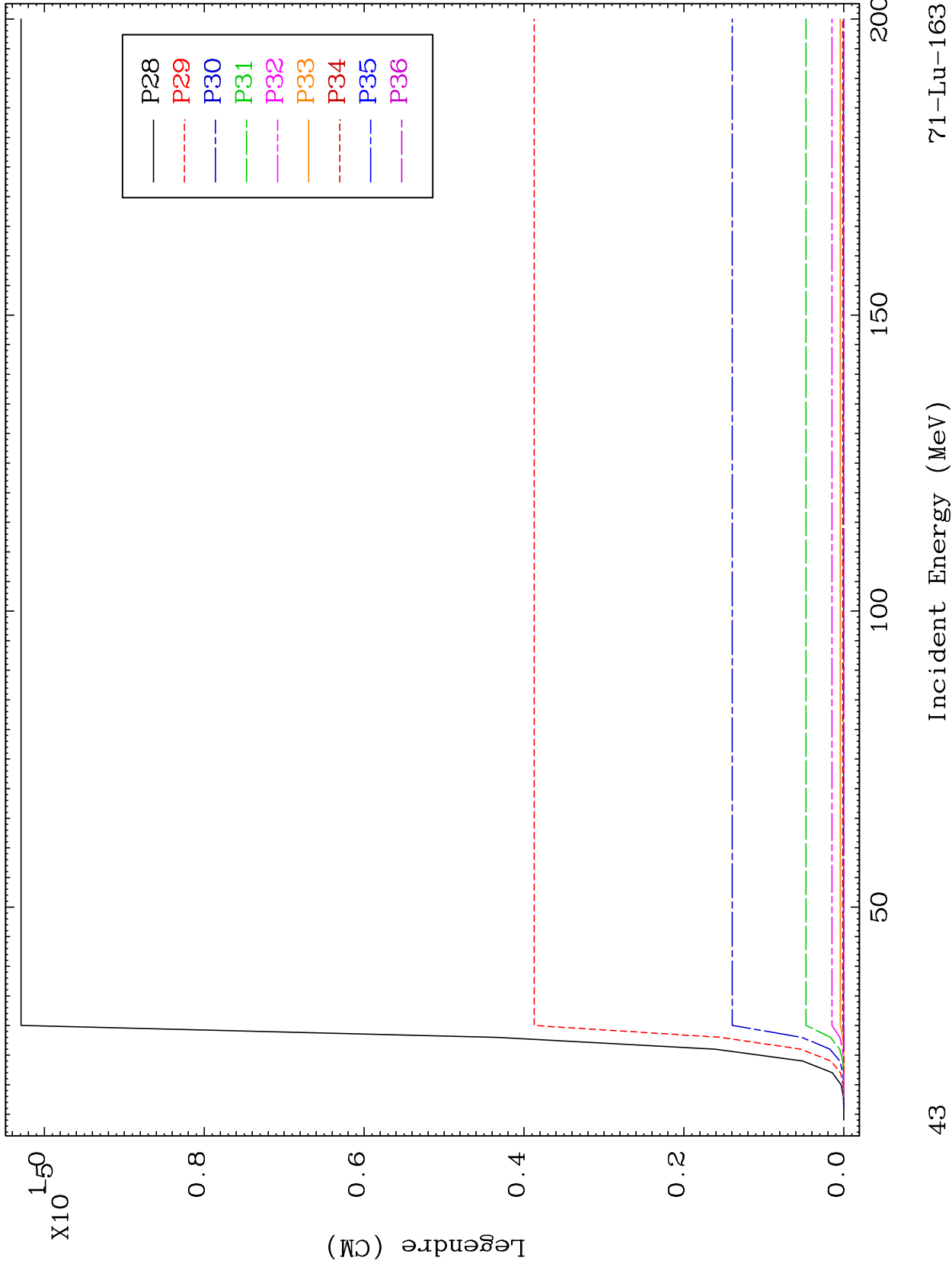
71-Lu-163



MAT 7089

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

71-Lu-163



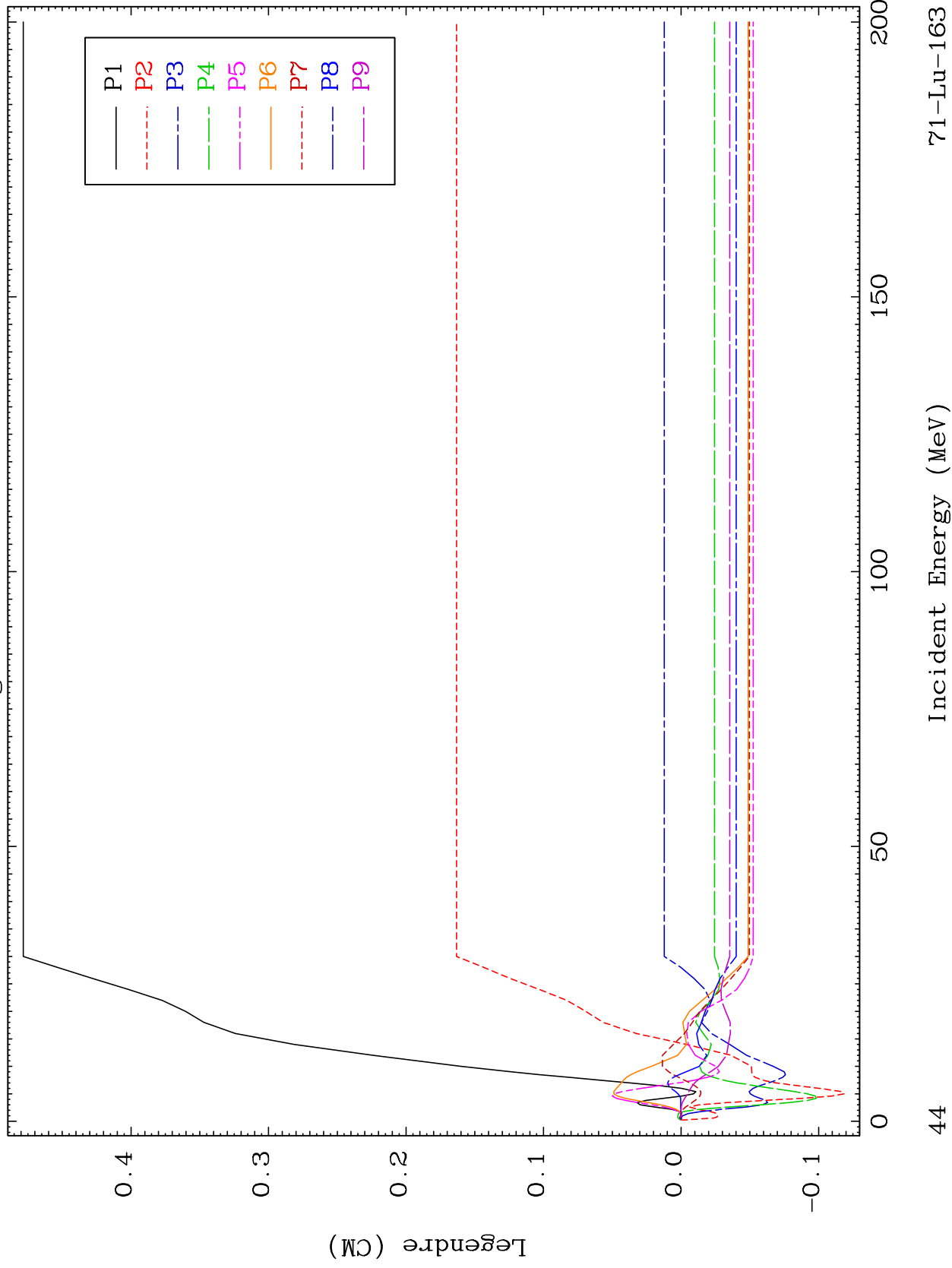
43

71-Lu-163

MAT 7089

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

71-Lu-163



71-Lu-163

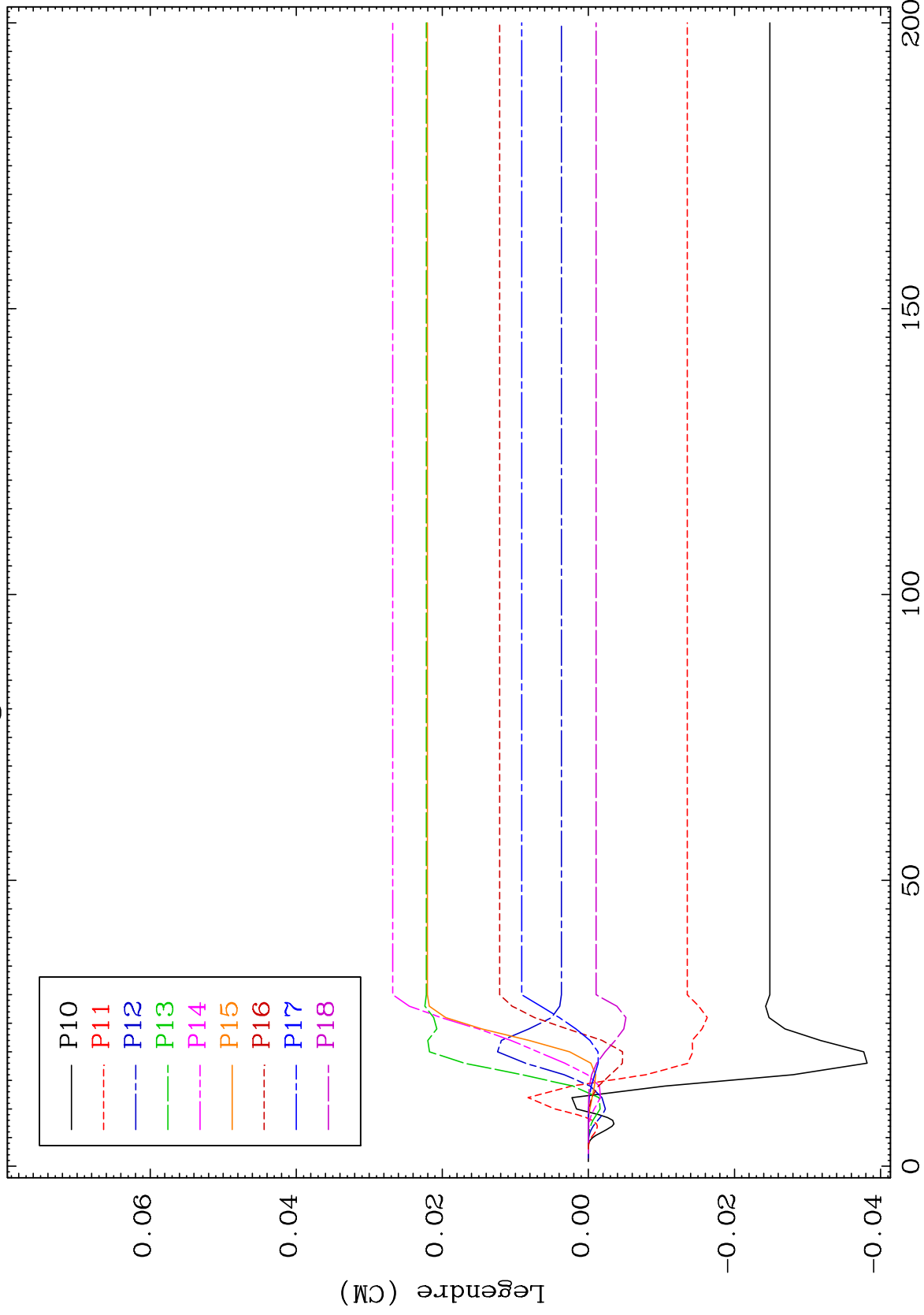
Incident Energy (MeV)

44

MAT 7089

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

71-Lu-163



45

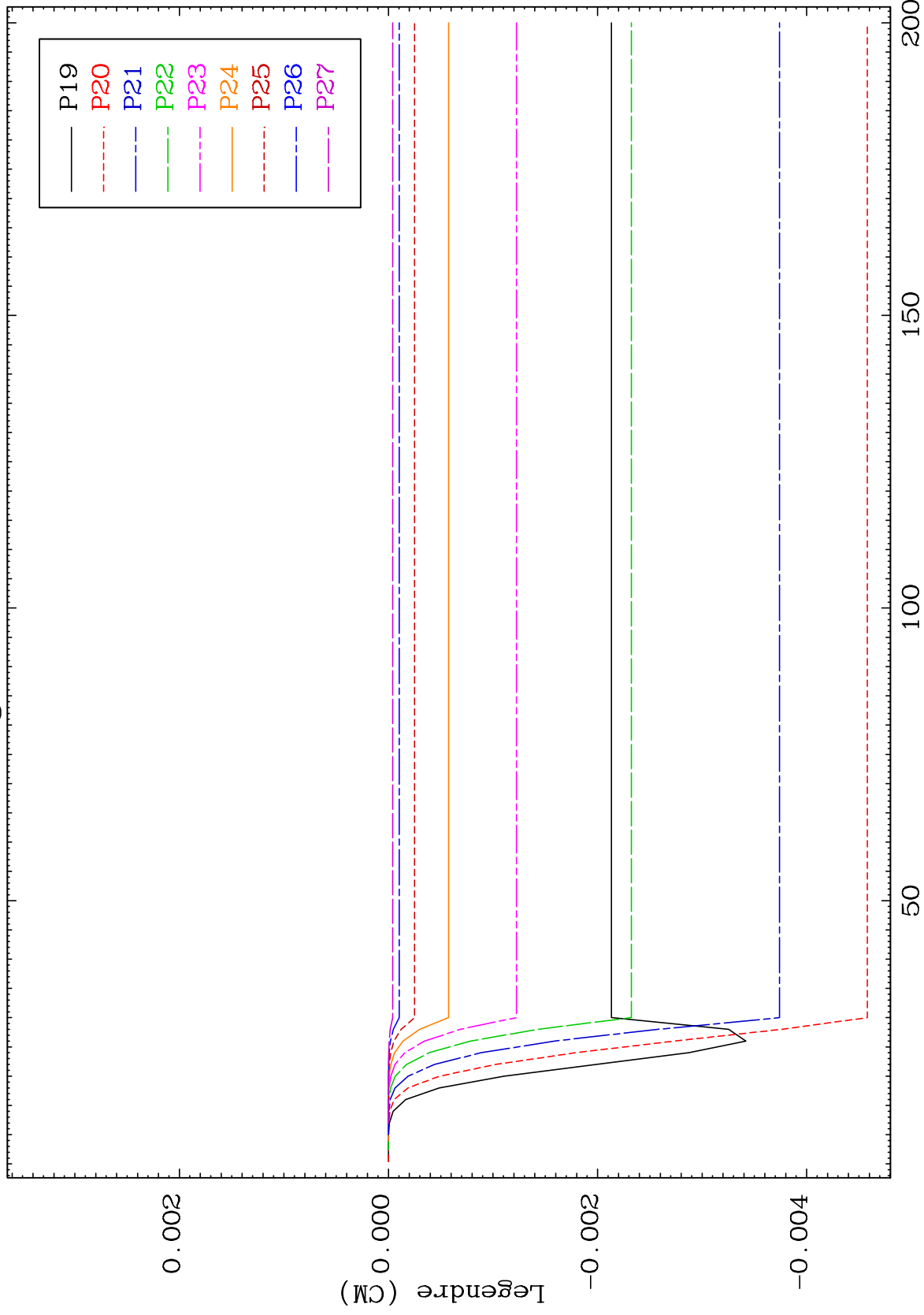
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

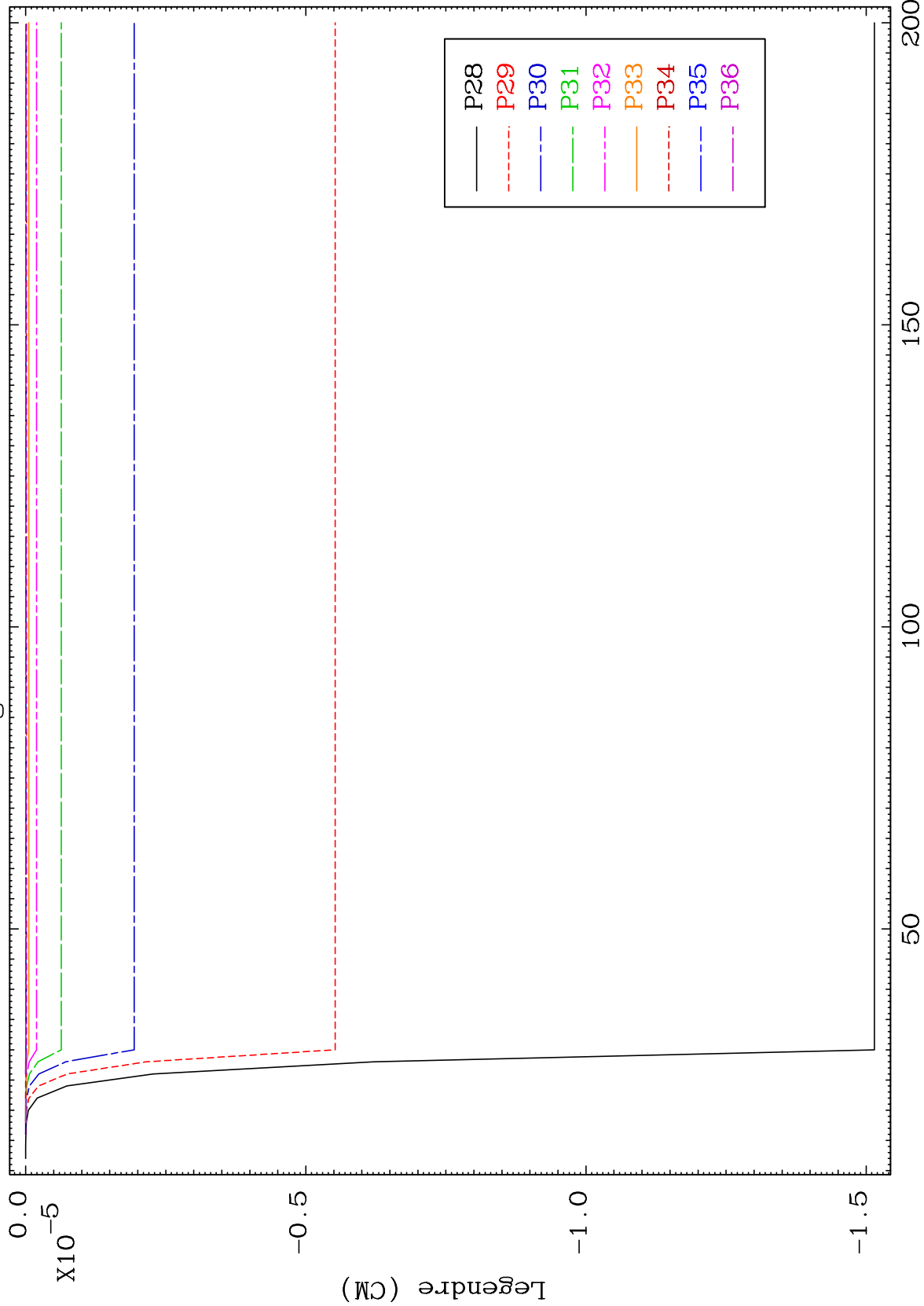
71-Lu-163



46

Incident Energy (MeV)

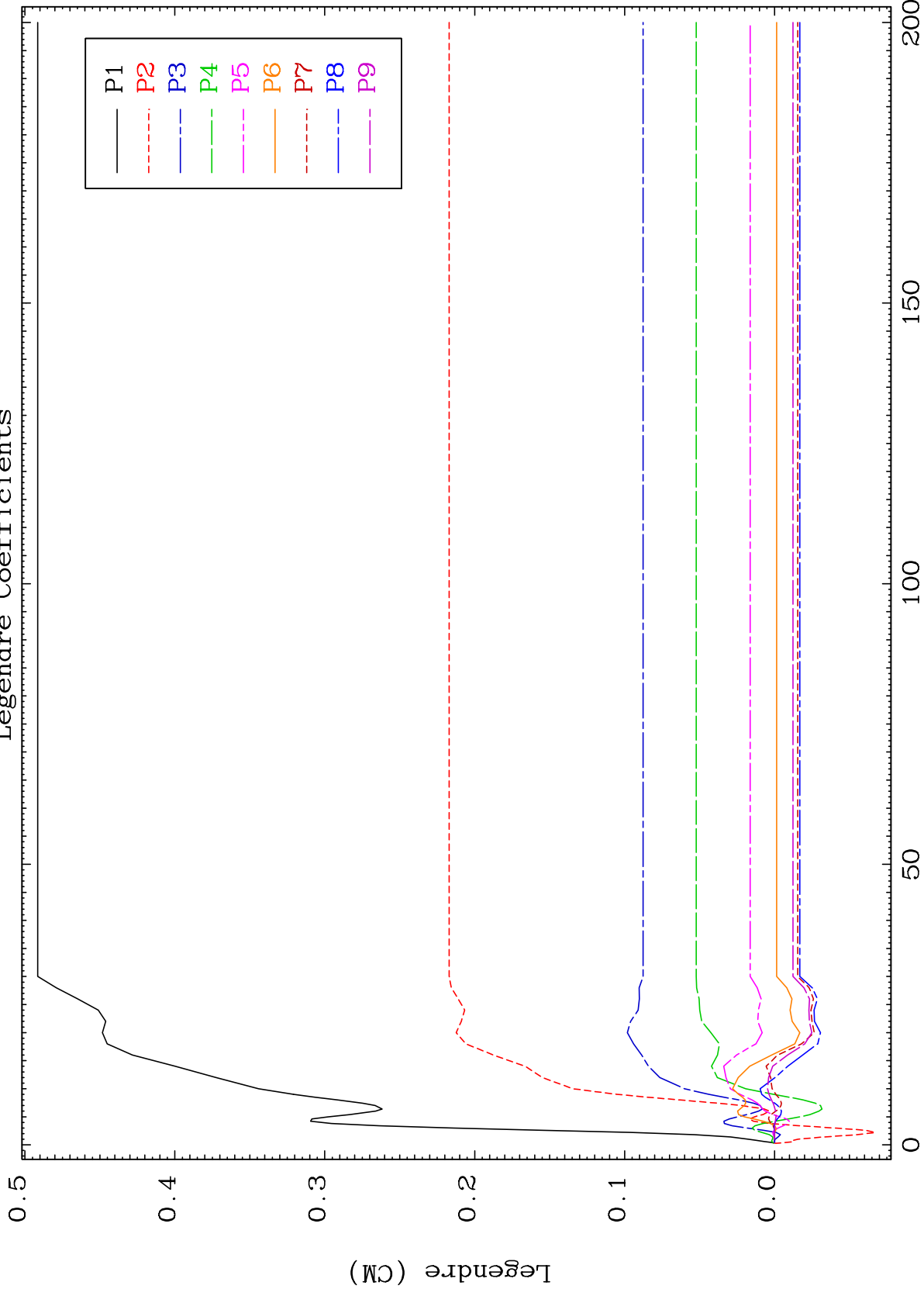
71-Lu-163



MAT 7089

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

71-Lu-163



71-Lu-163

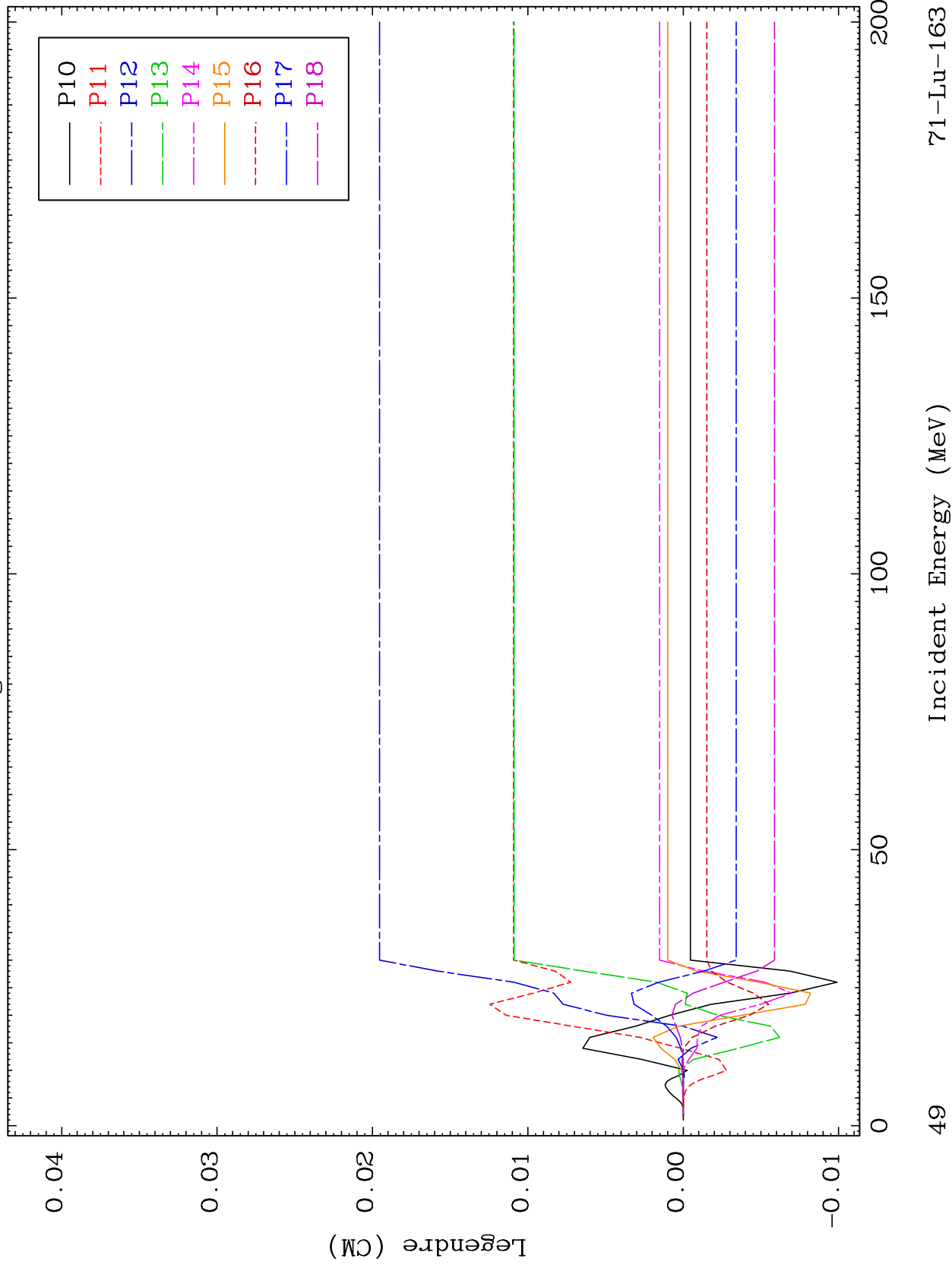
Incident Energy (MeV)

48

MAT 7089

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

71-Lu-163



71-Lu-163

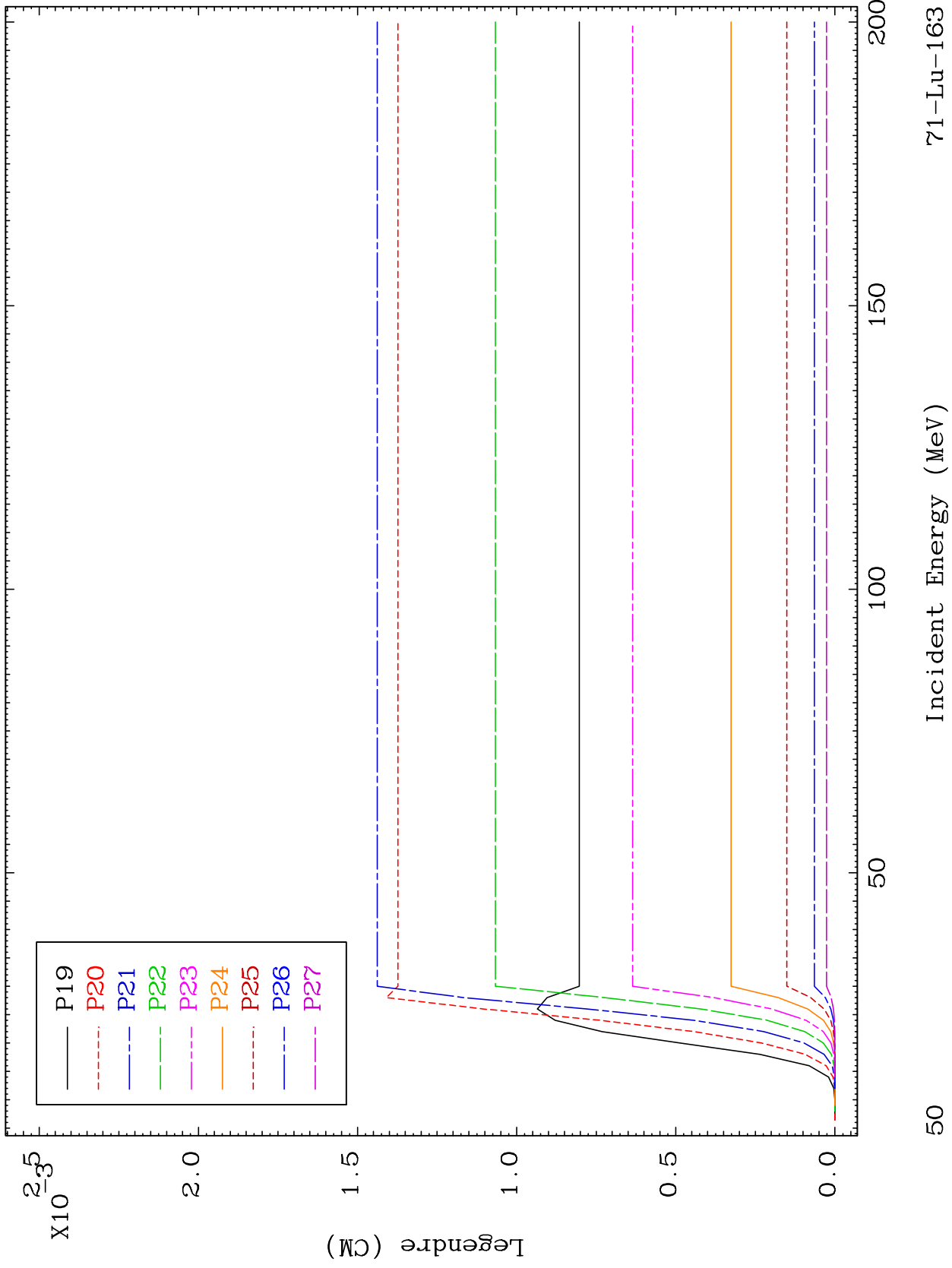
Incident Energy (MeV)

49

MAT 7089

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

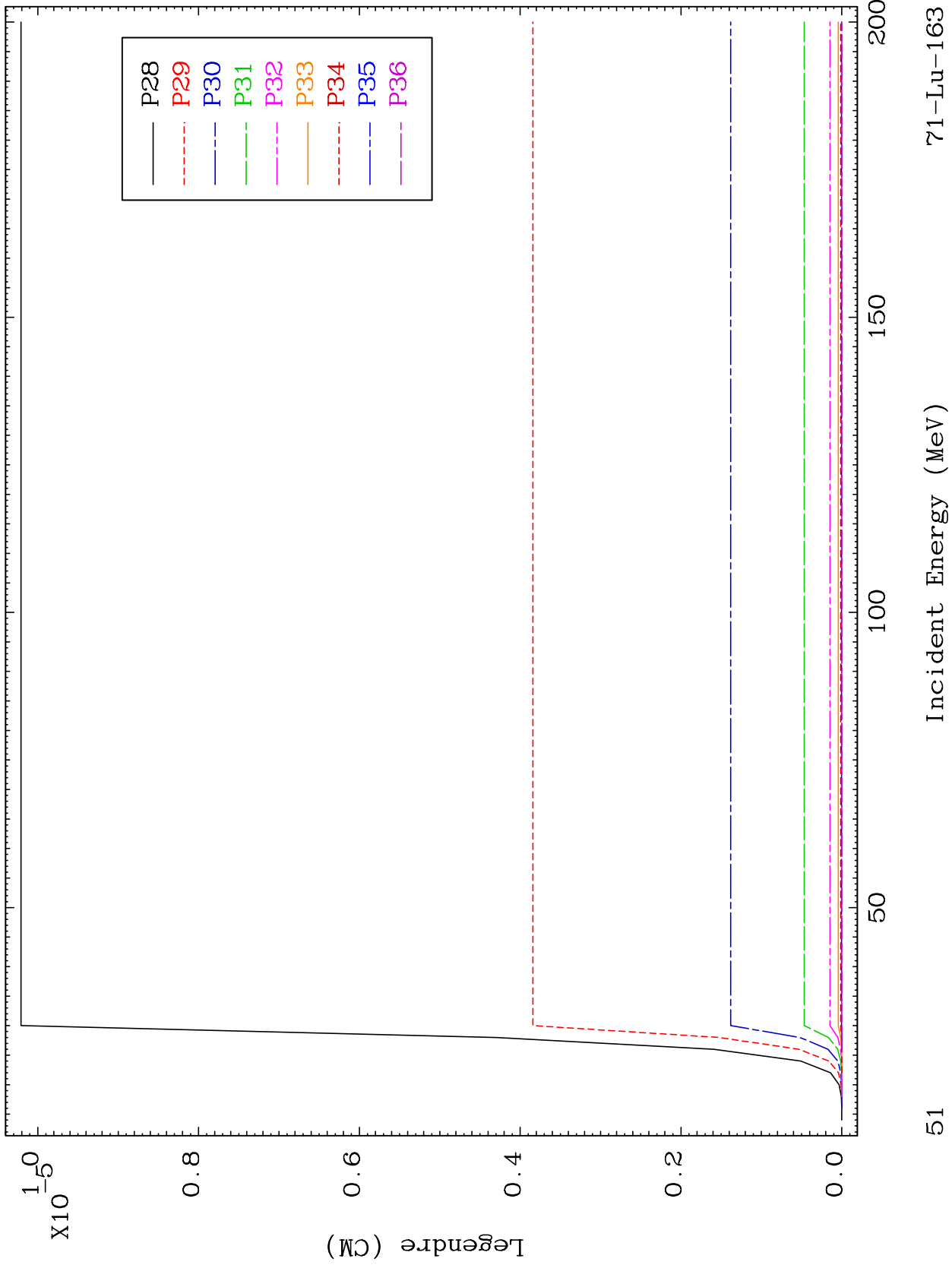
71-Lu-163



MAT 7089

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

71-Lu-163



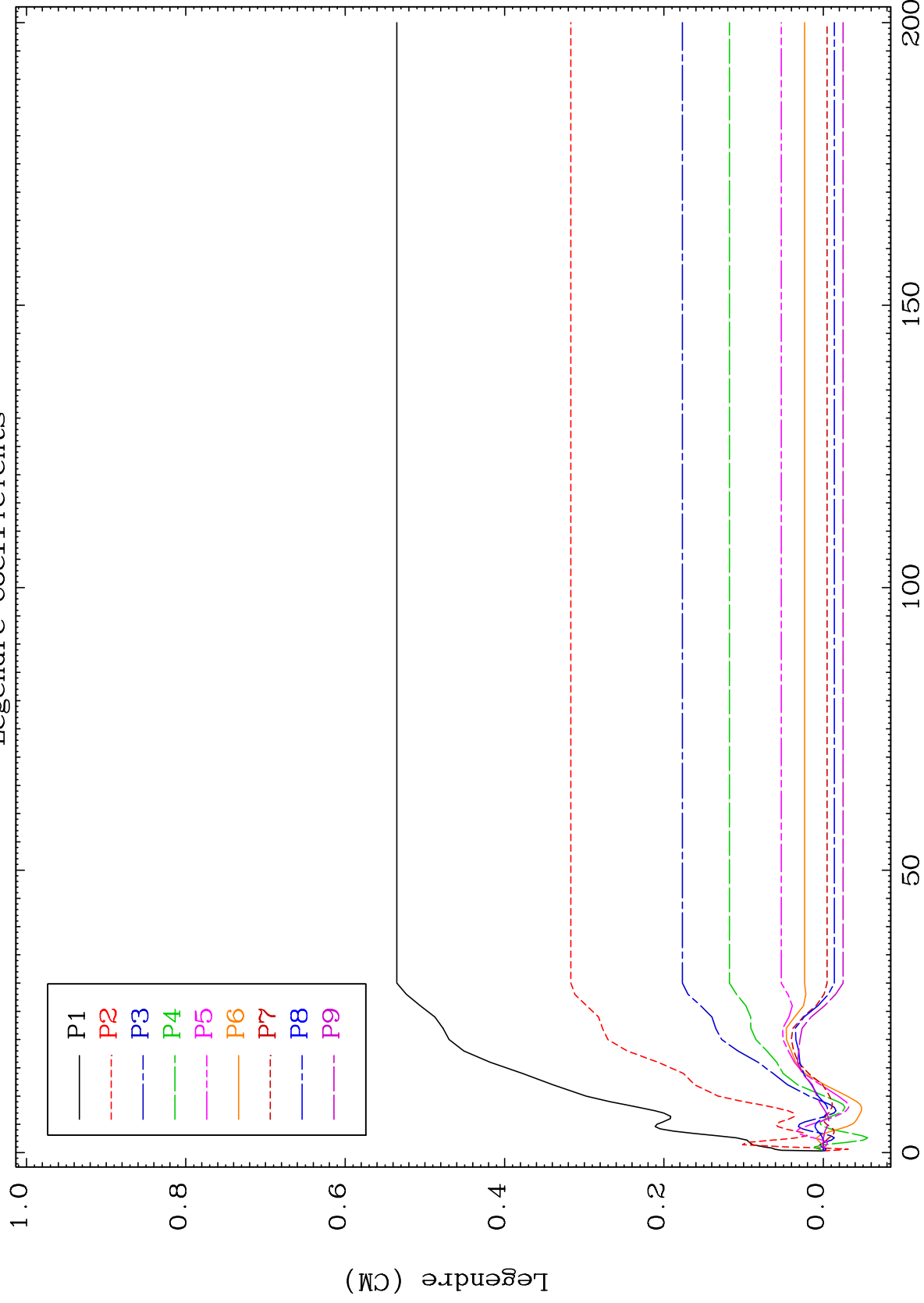
51

71-Lu-163

MAT 7089

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

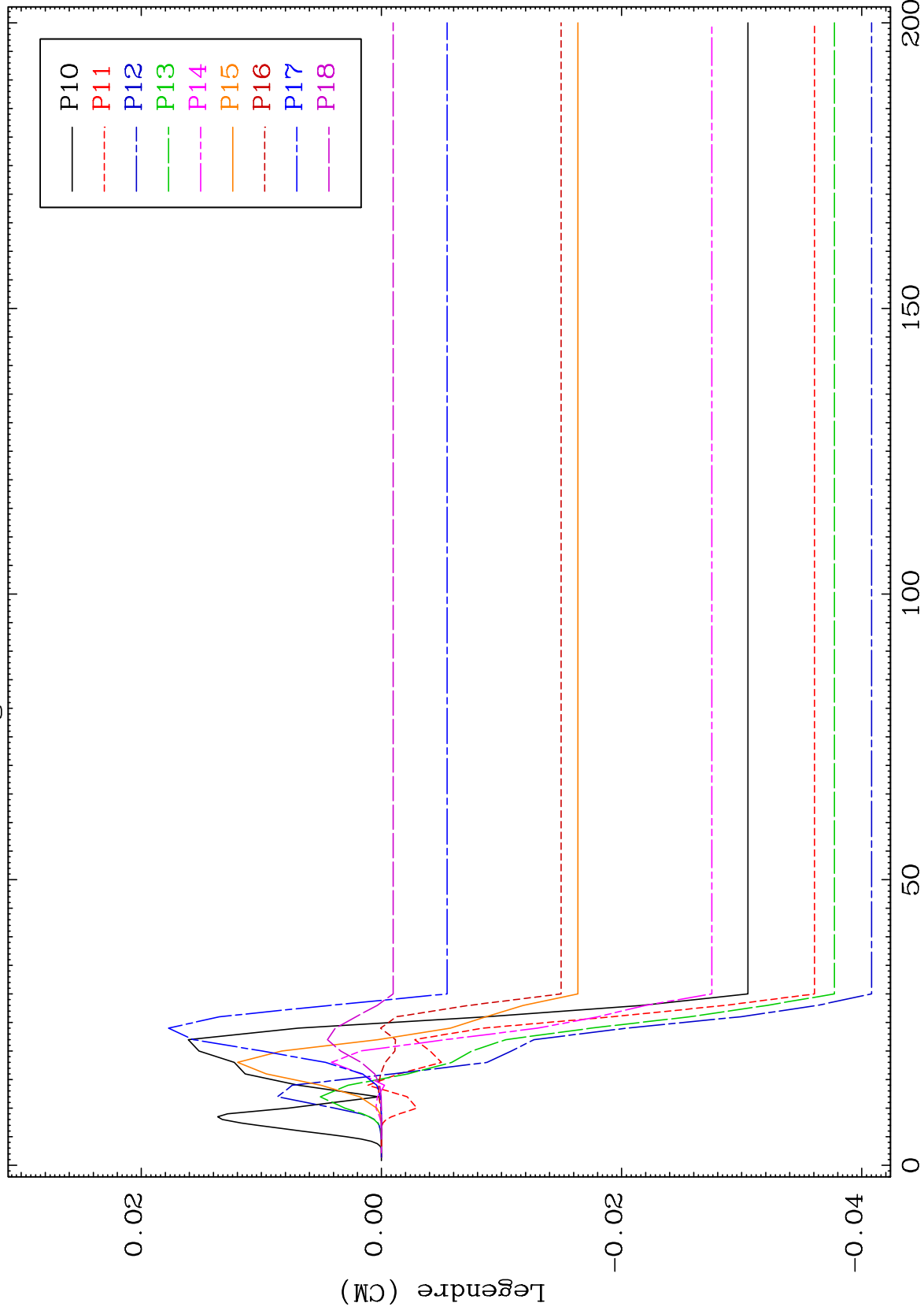
71-Lu-163

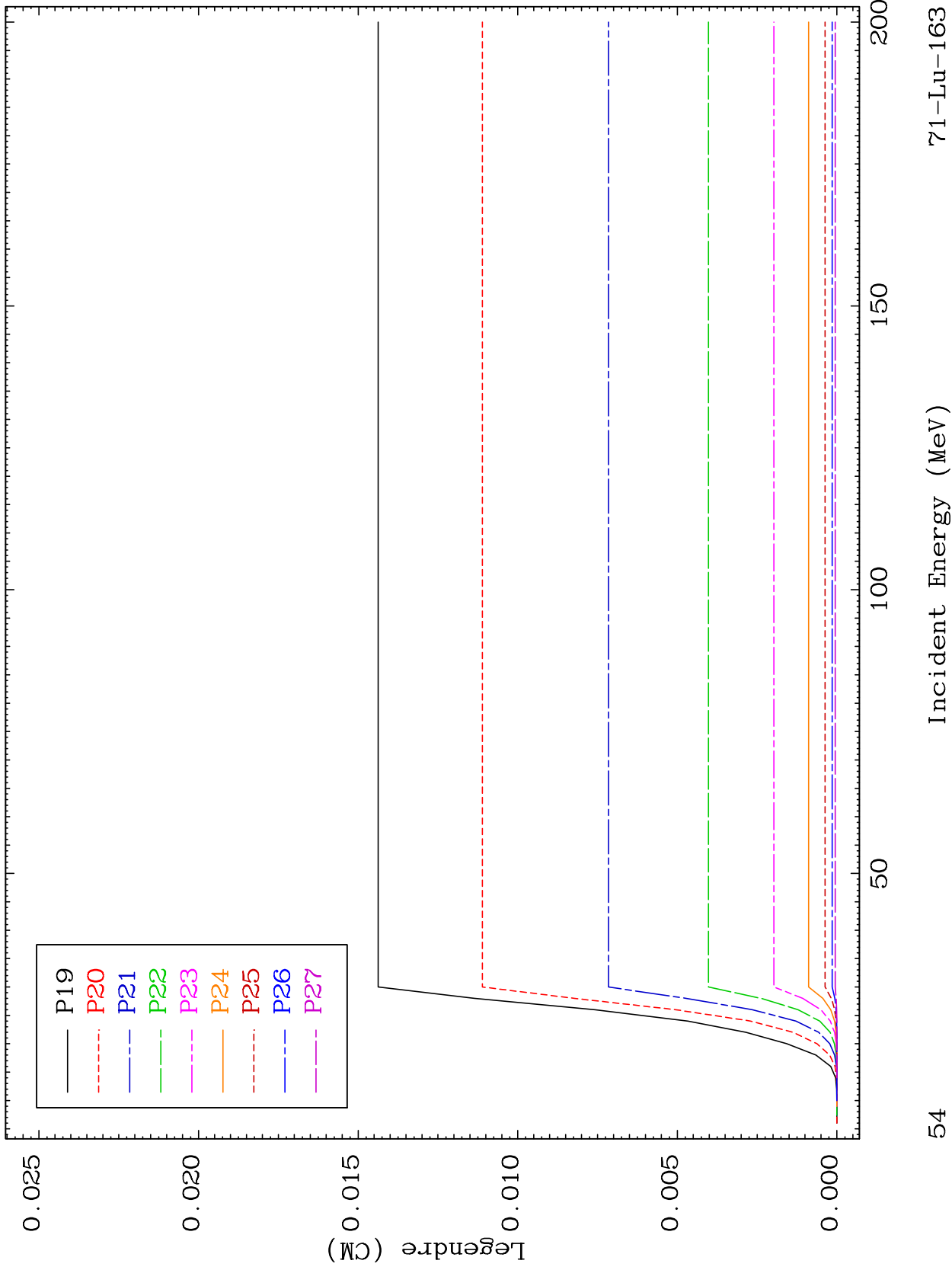


52

Incident Energy (MeV)

71-Lu-163

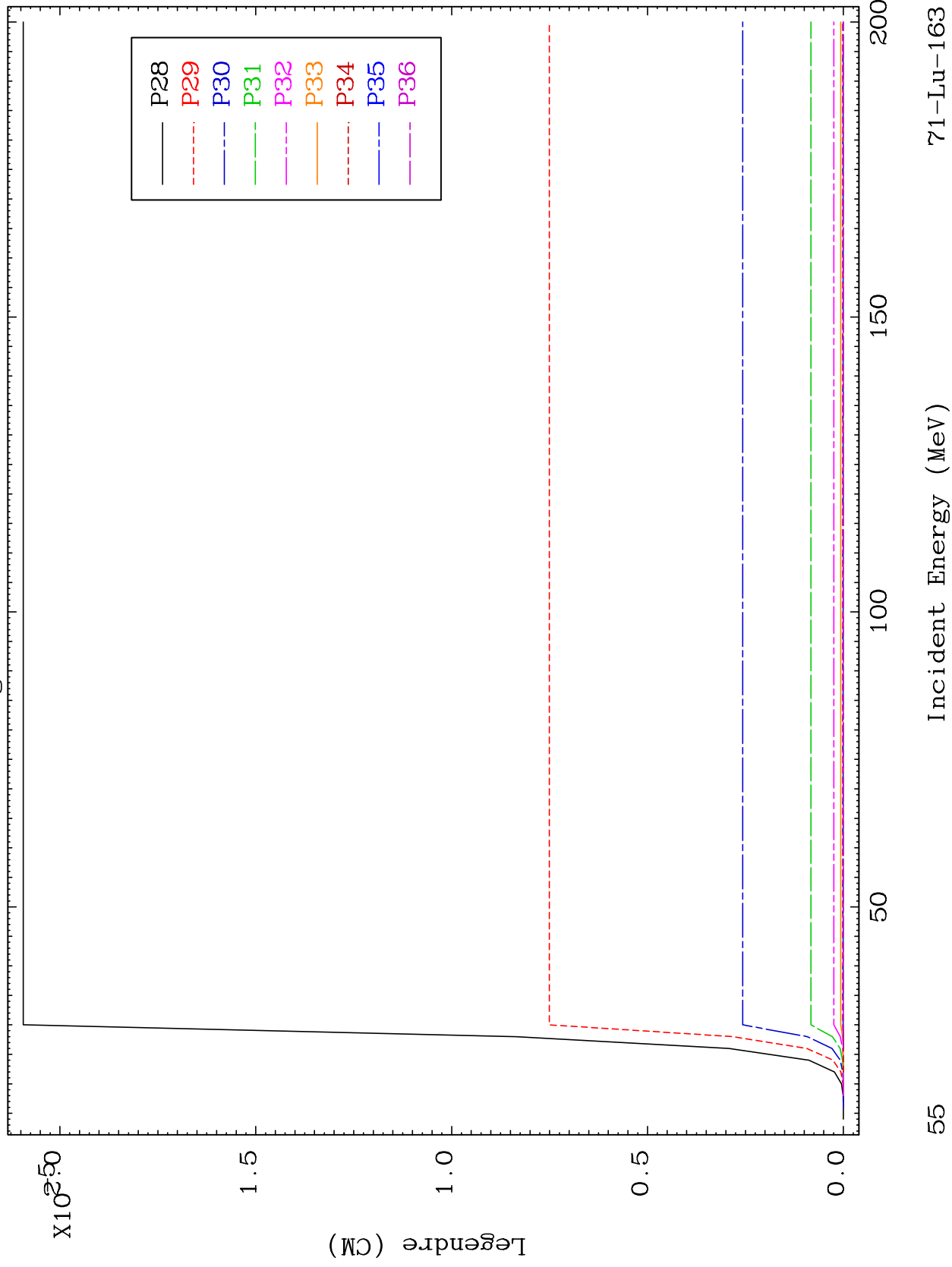




MAT 7089

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

71-Lu-163



55

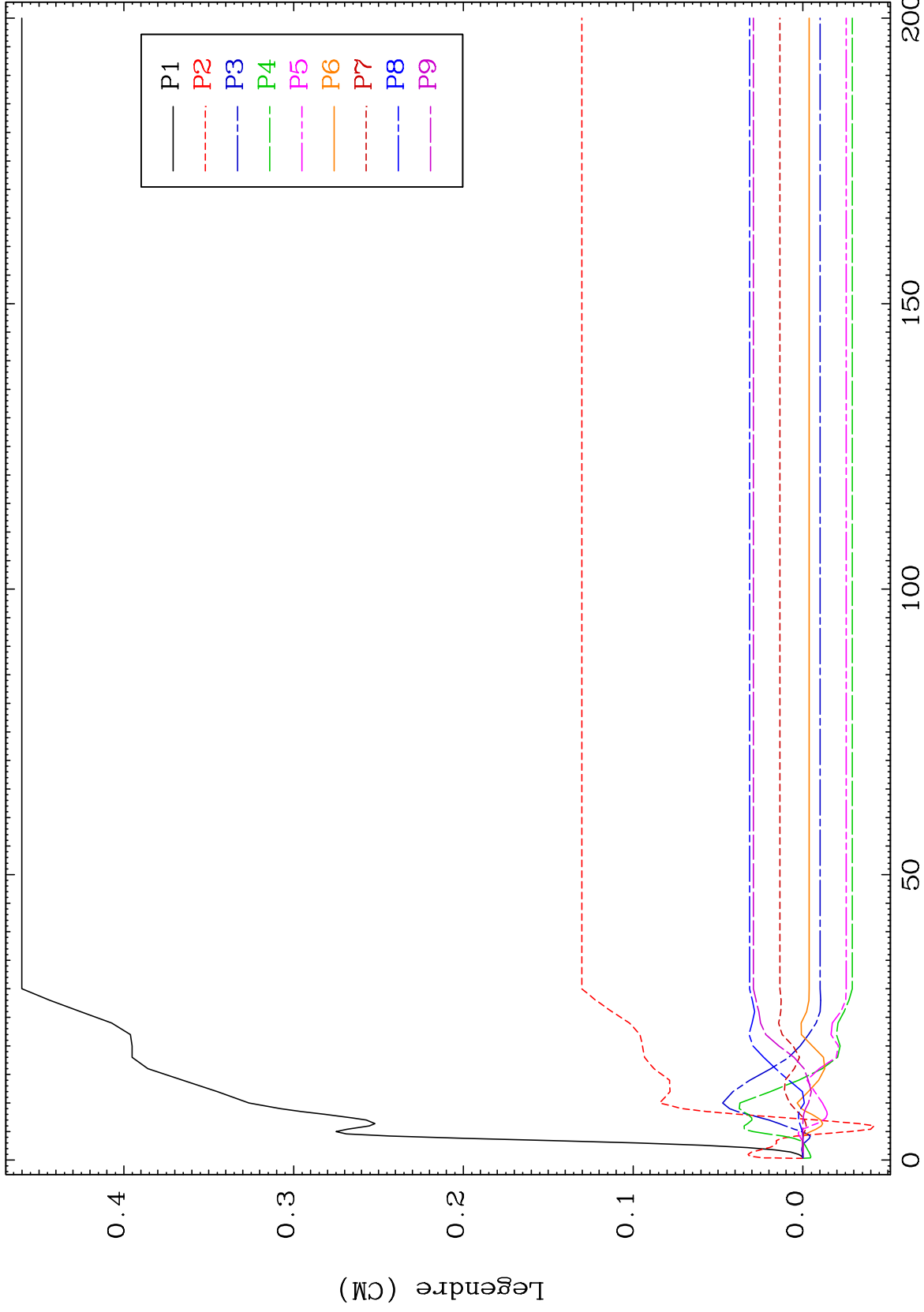
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



56

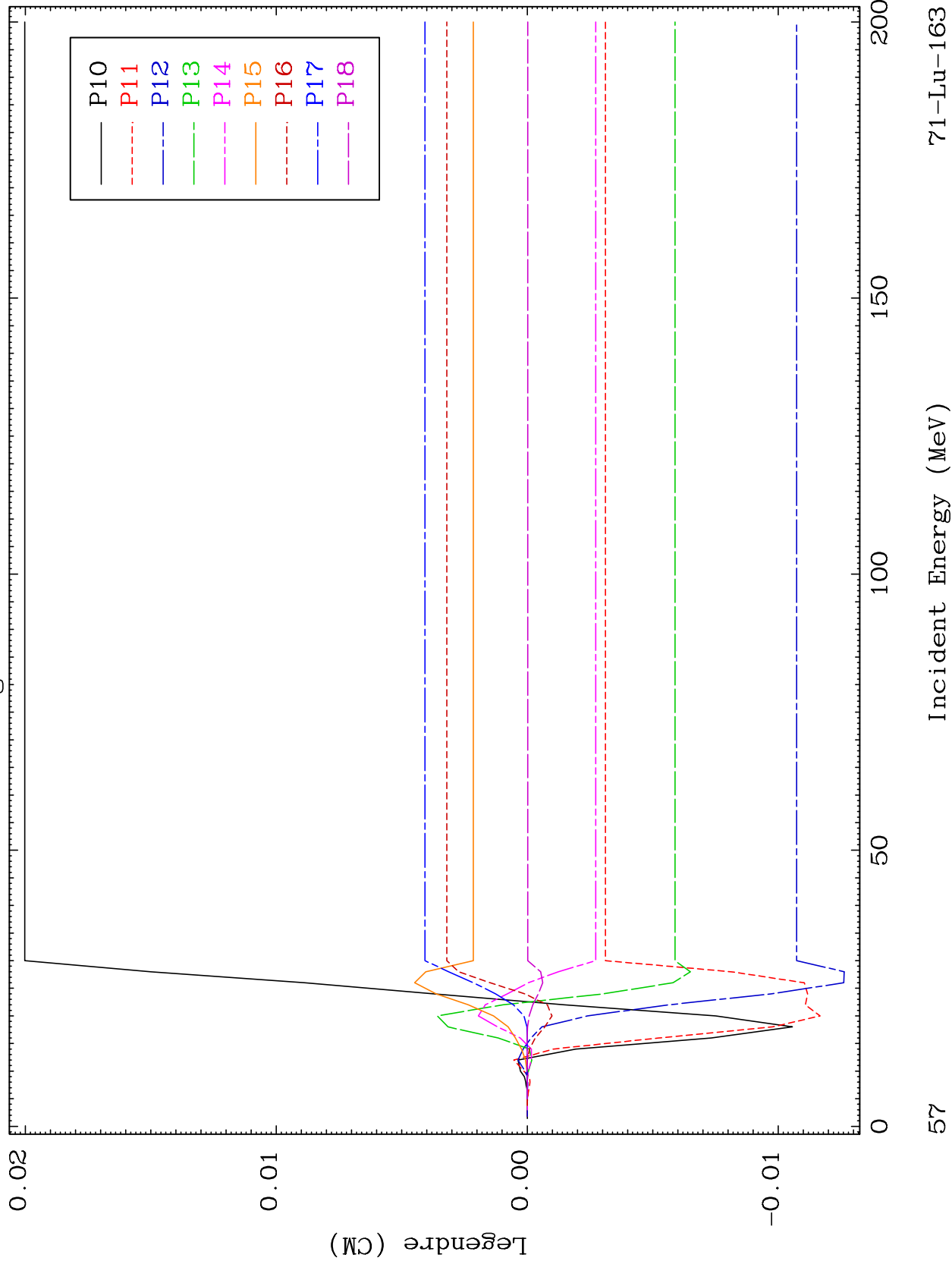
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



57

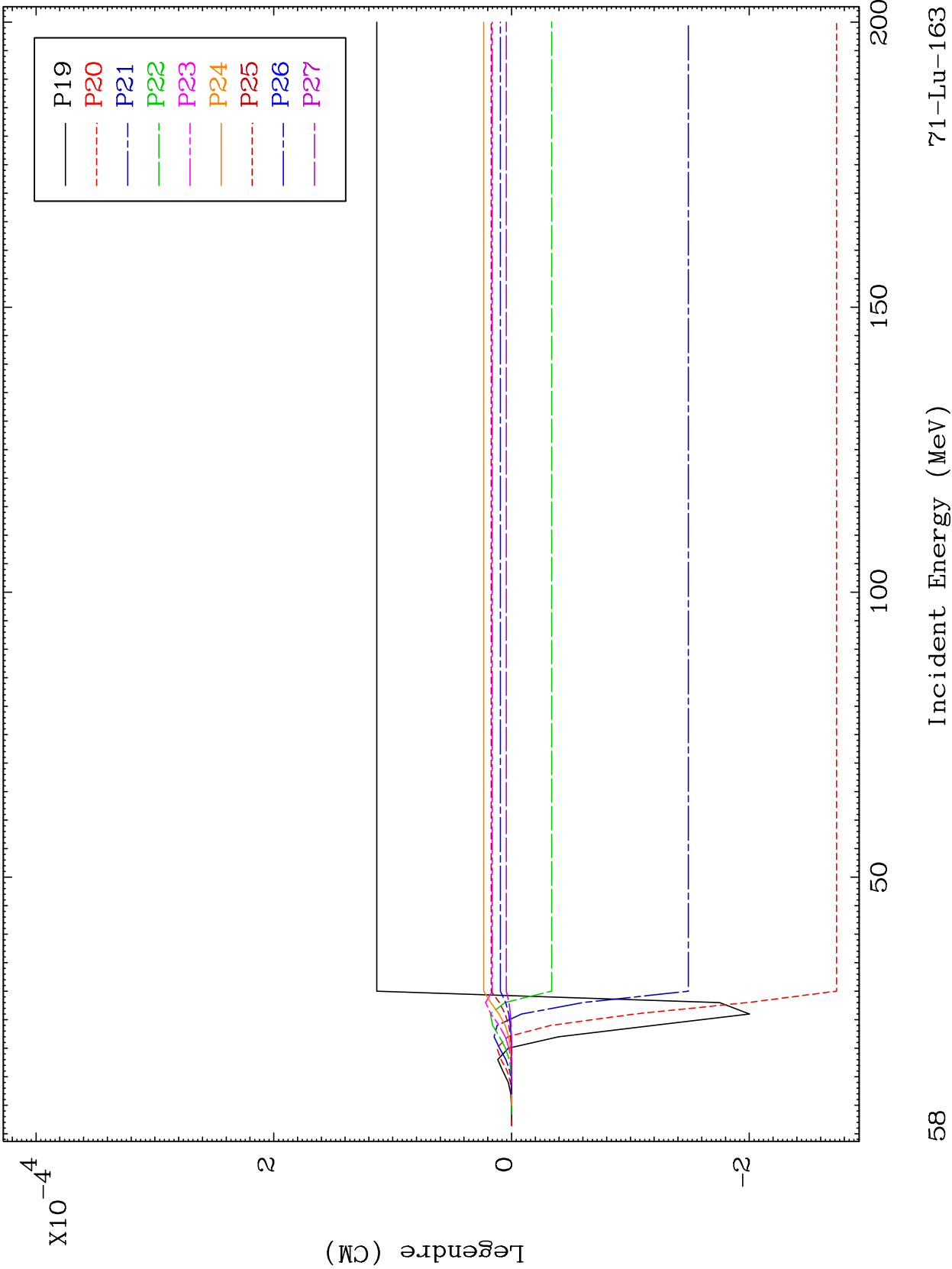
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



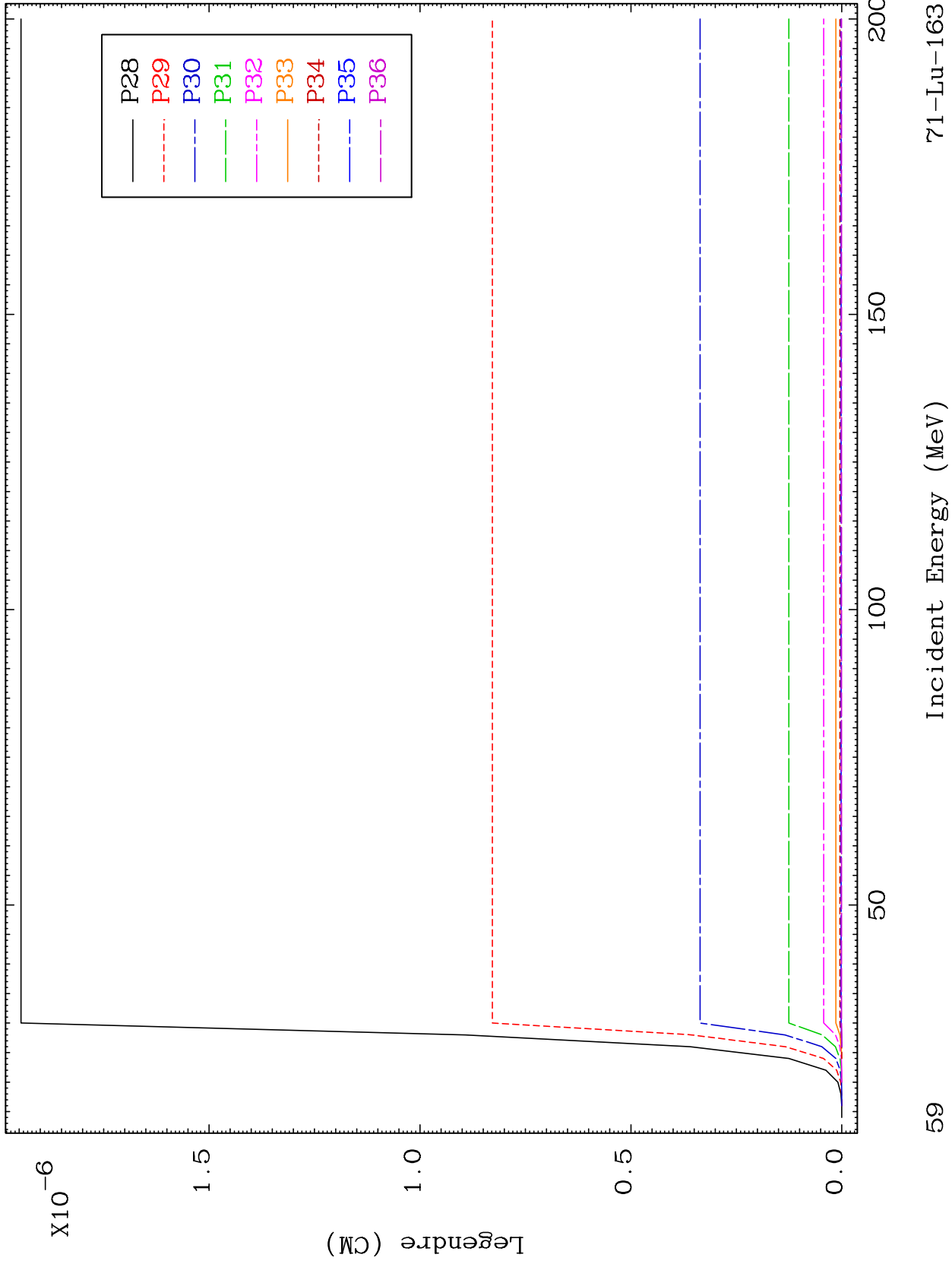
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71-Lu-163

MAT 7089

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

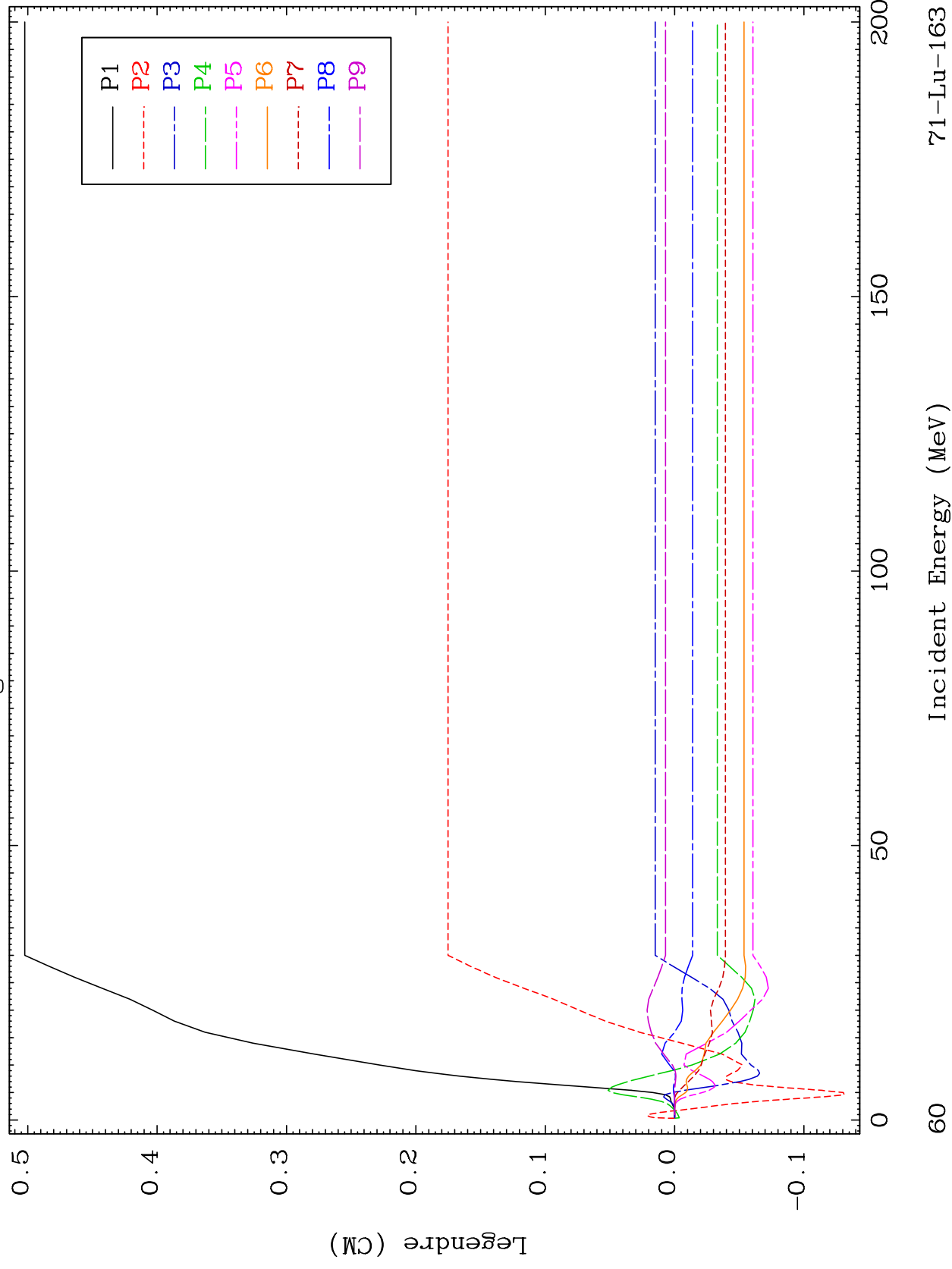
71-Lu-163



MAT 7089

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

71-Lu-163

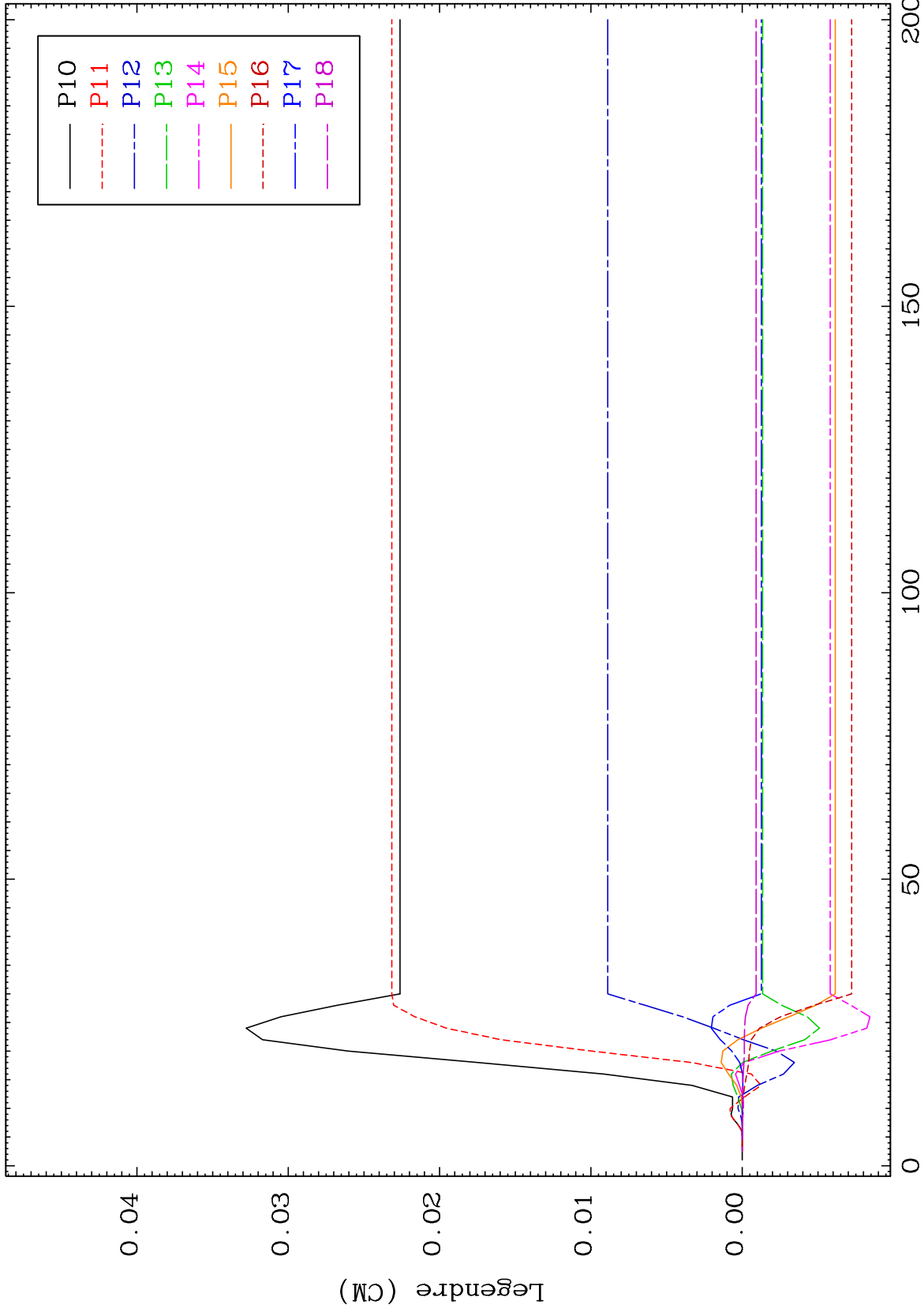


71-Lu-163

MAT 7089

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

71-Lu-163



61

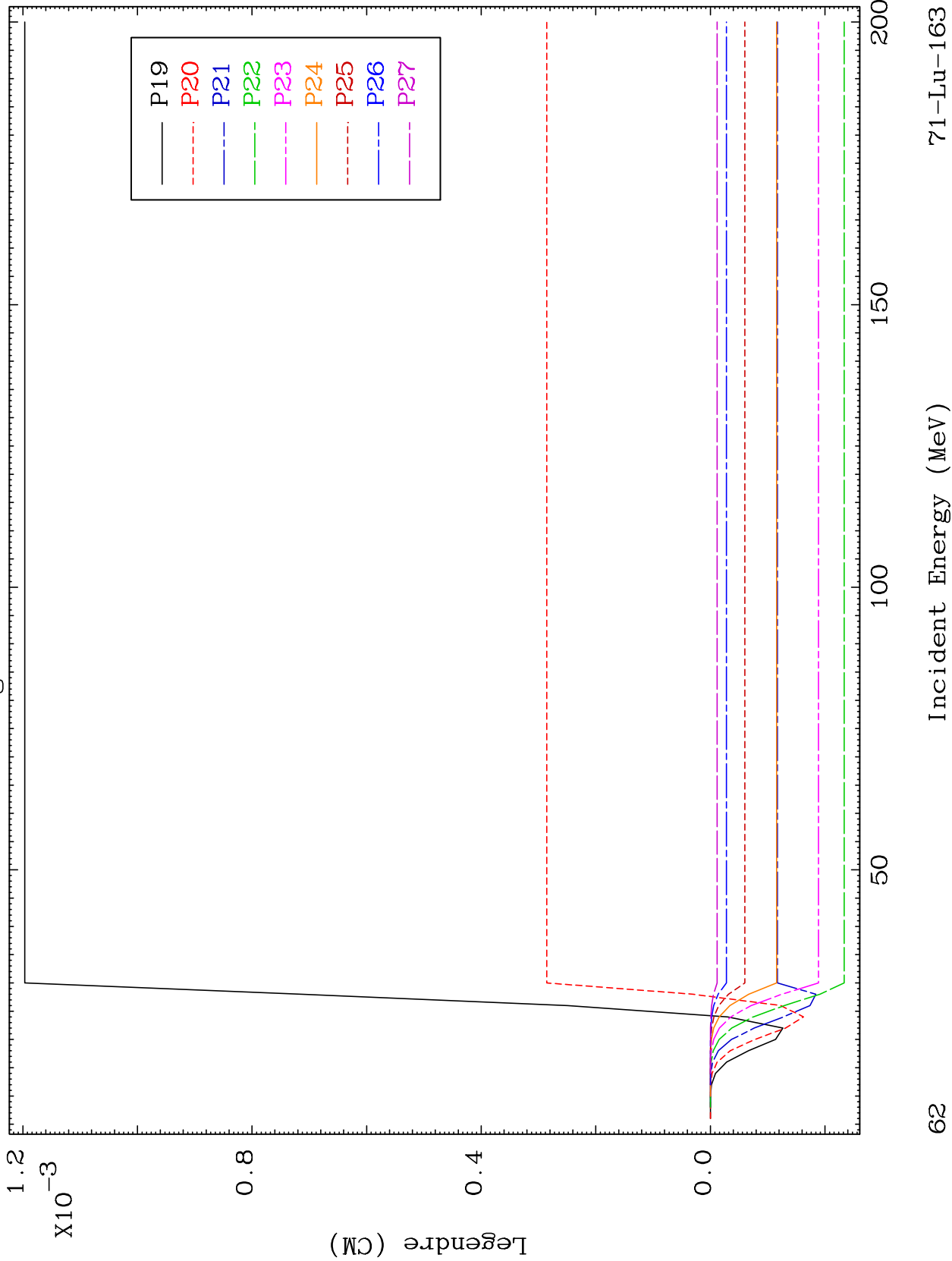
Incident Energy (MeV)

71-Lu-163

MAT 7089

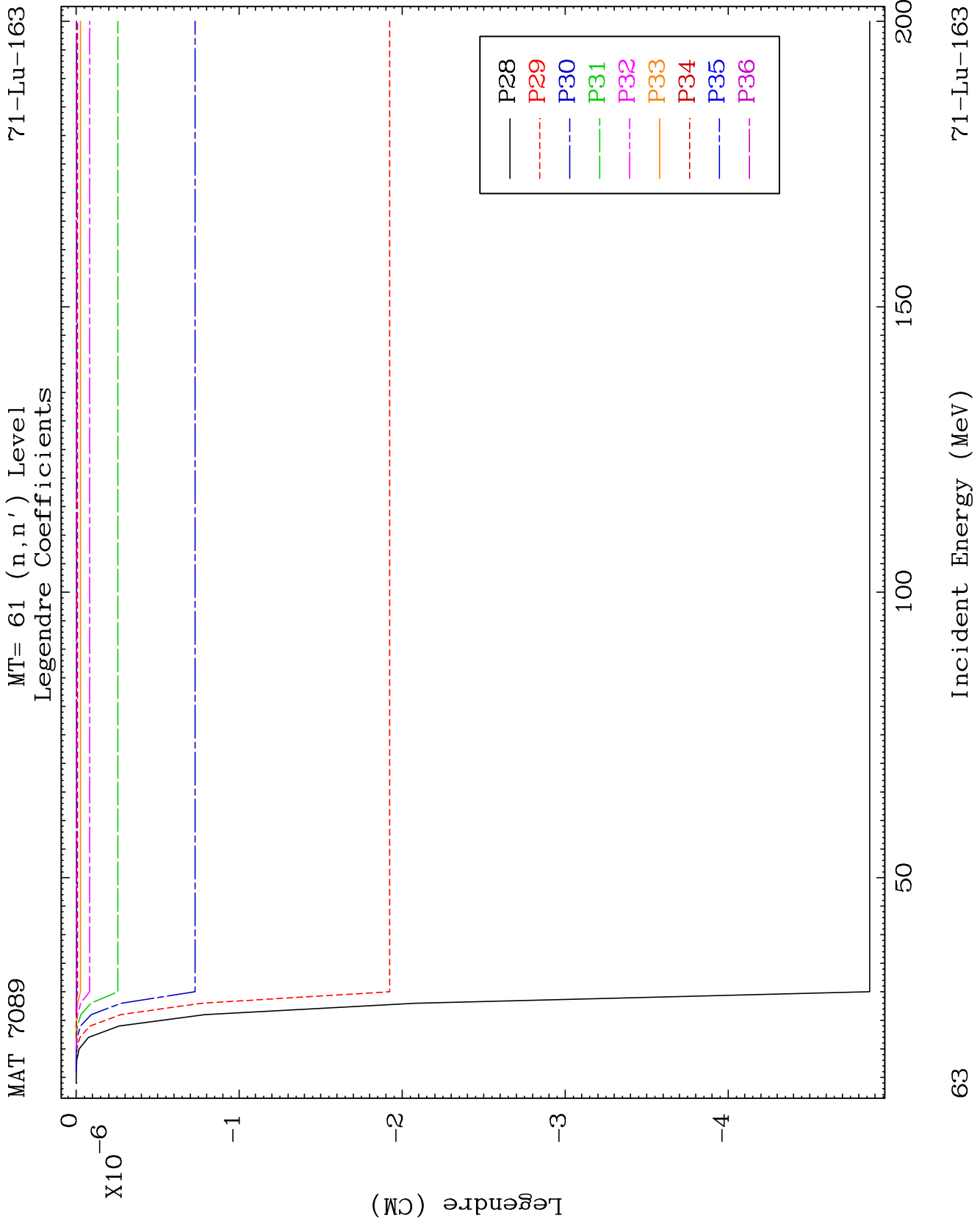
MT= 61 (n,n') Level
Legendre Coefficients

71-Lu-163



62

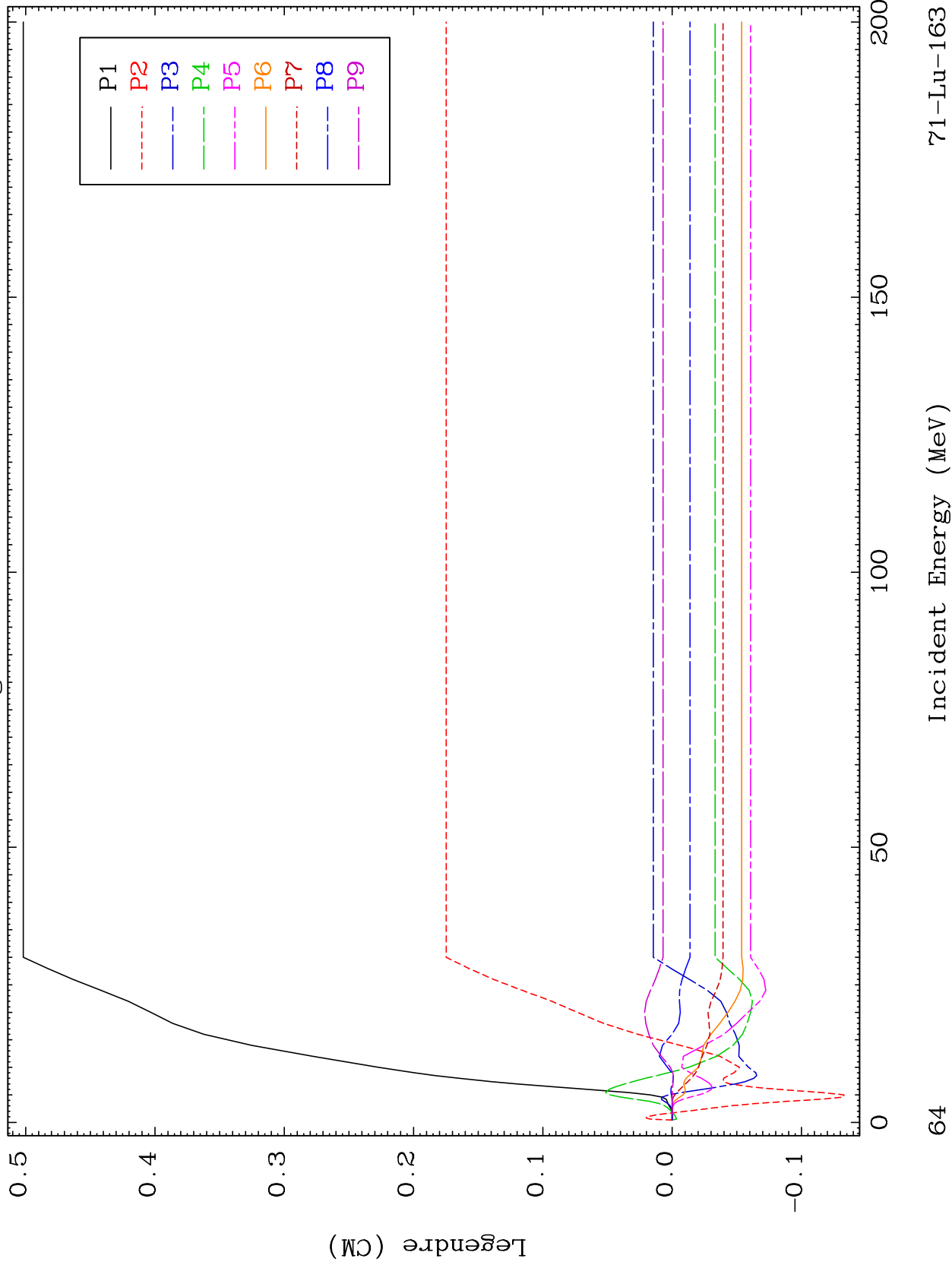
71-Lu-163



MAT 7089

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

71-Lu-163



71-Lu-163

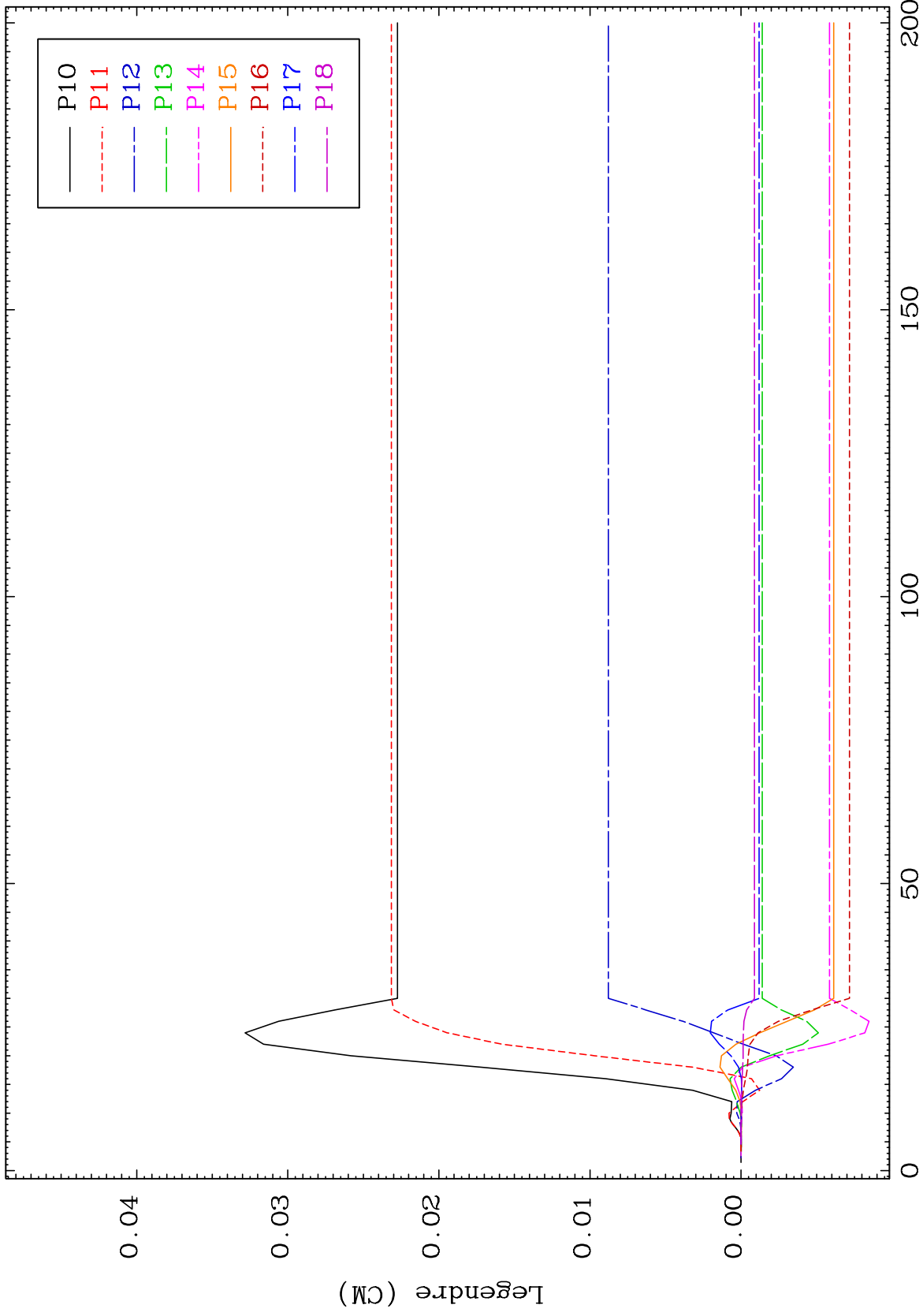
Incident Energy (MeV)

64

MAT 7089

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

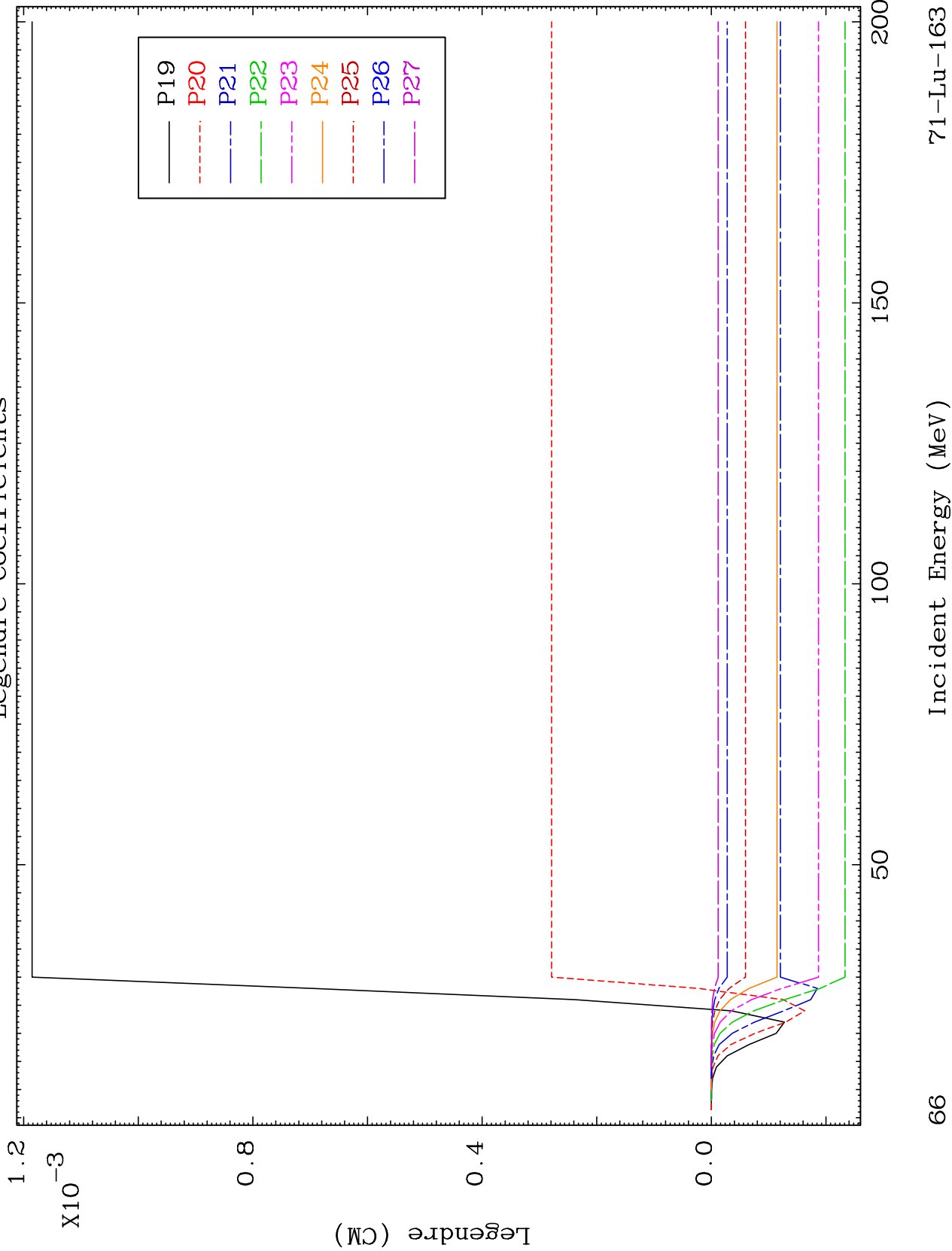
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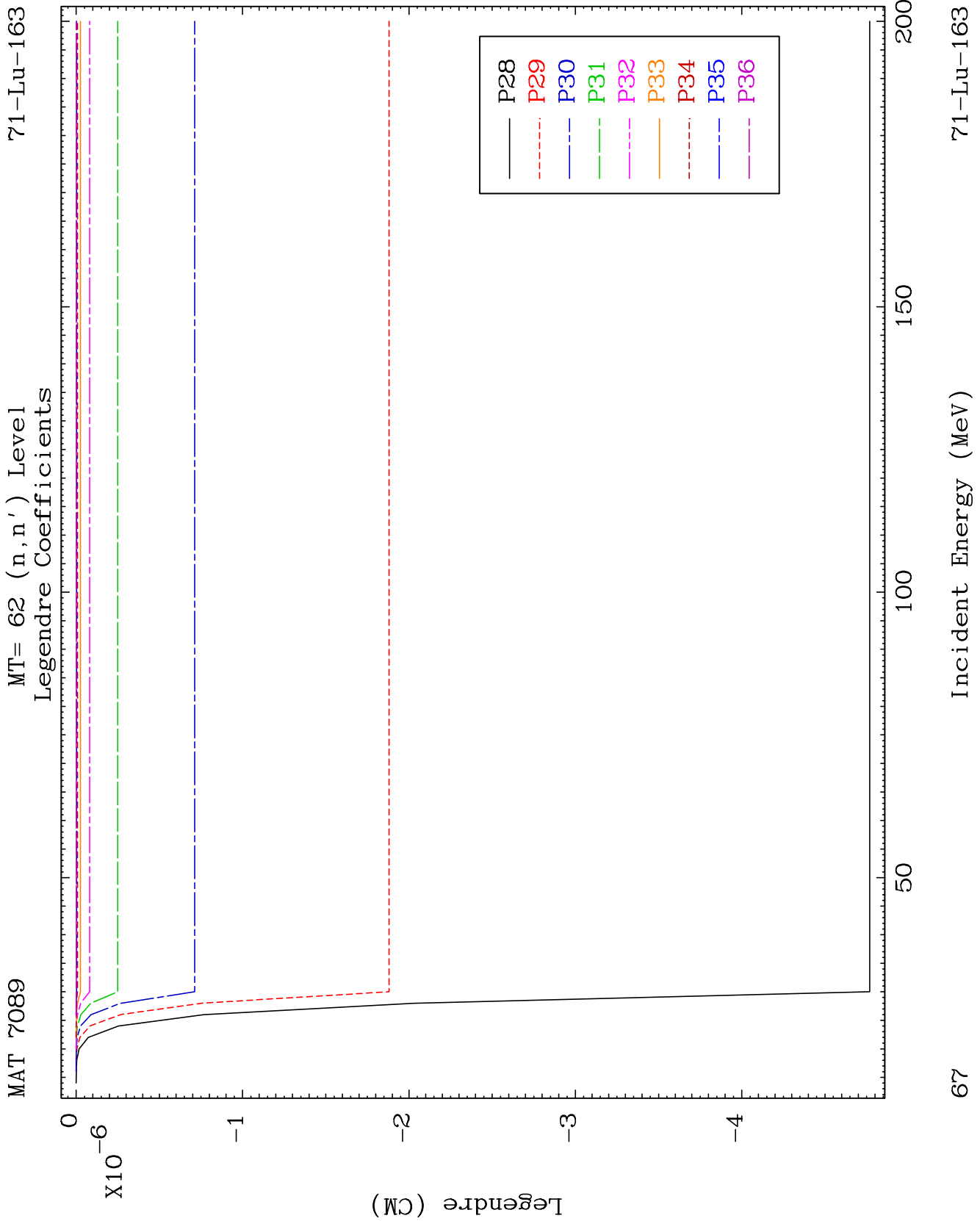


65

Incident Energy (MeV)

71-Lu-163

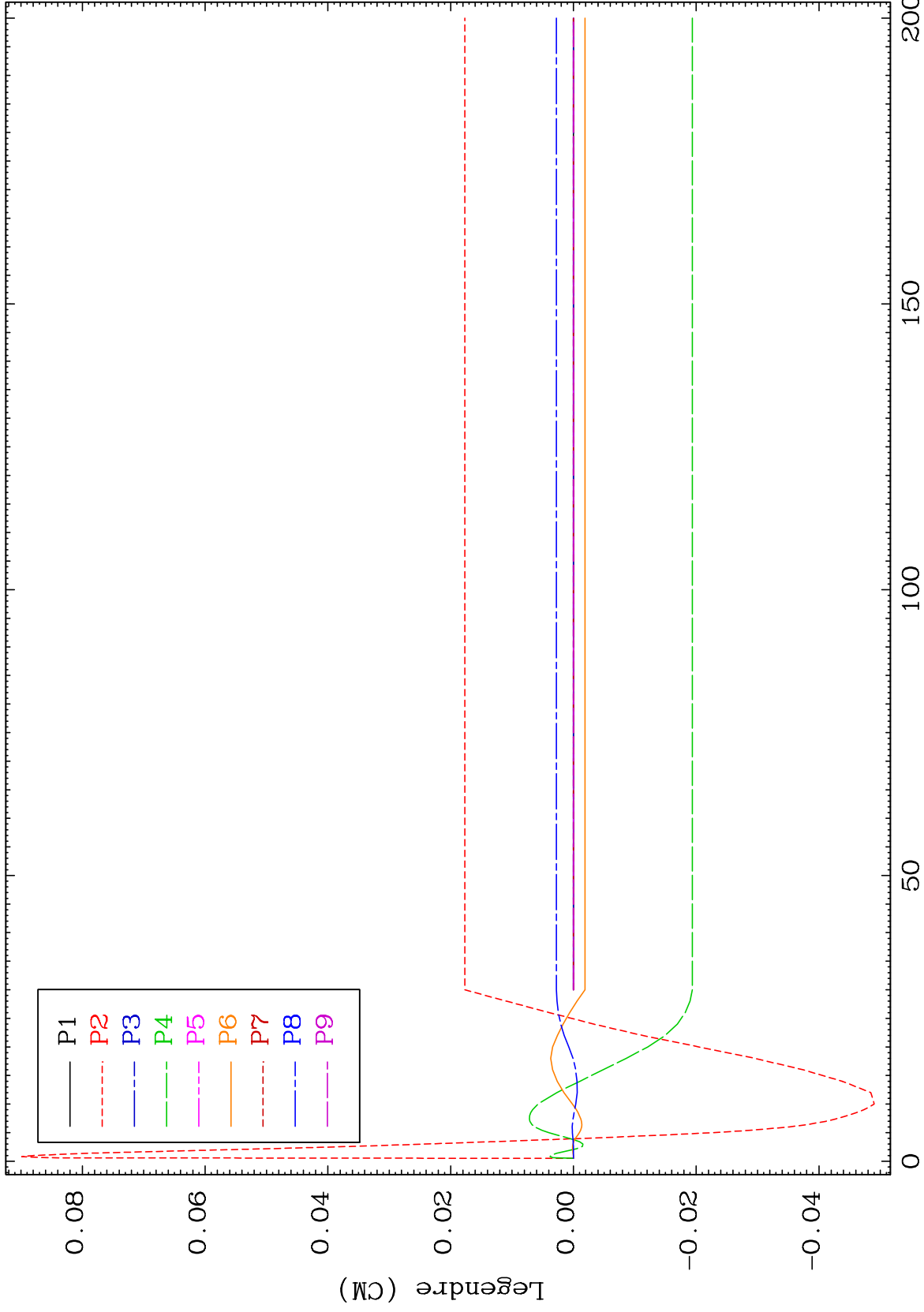




MAT 7089

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

71-Lu-163



68

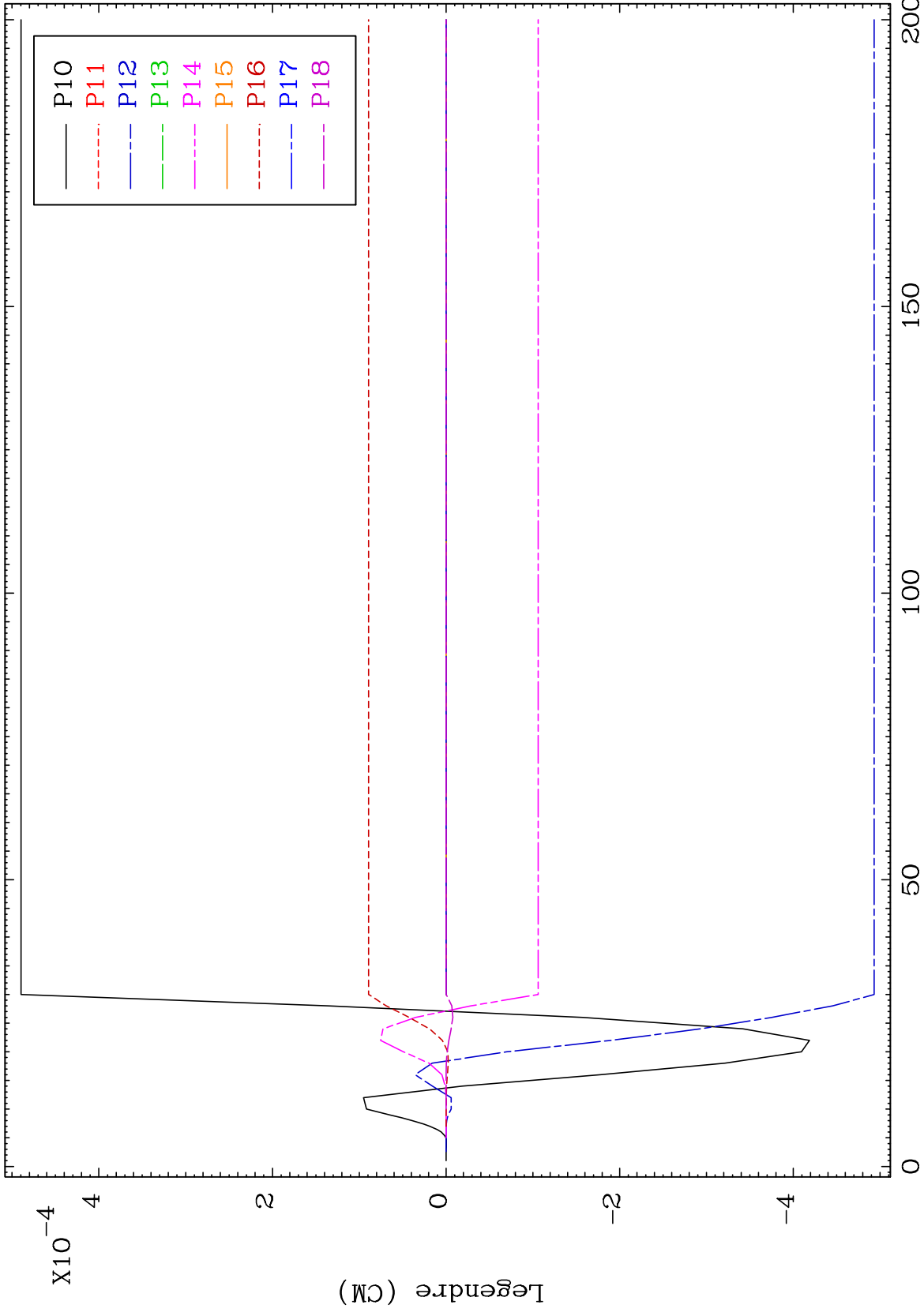
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

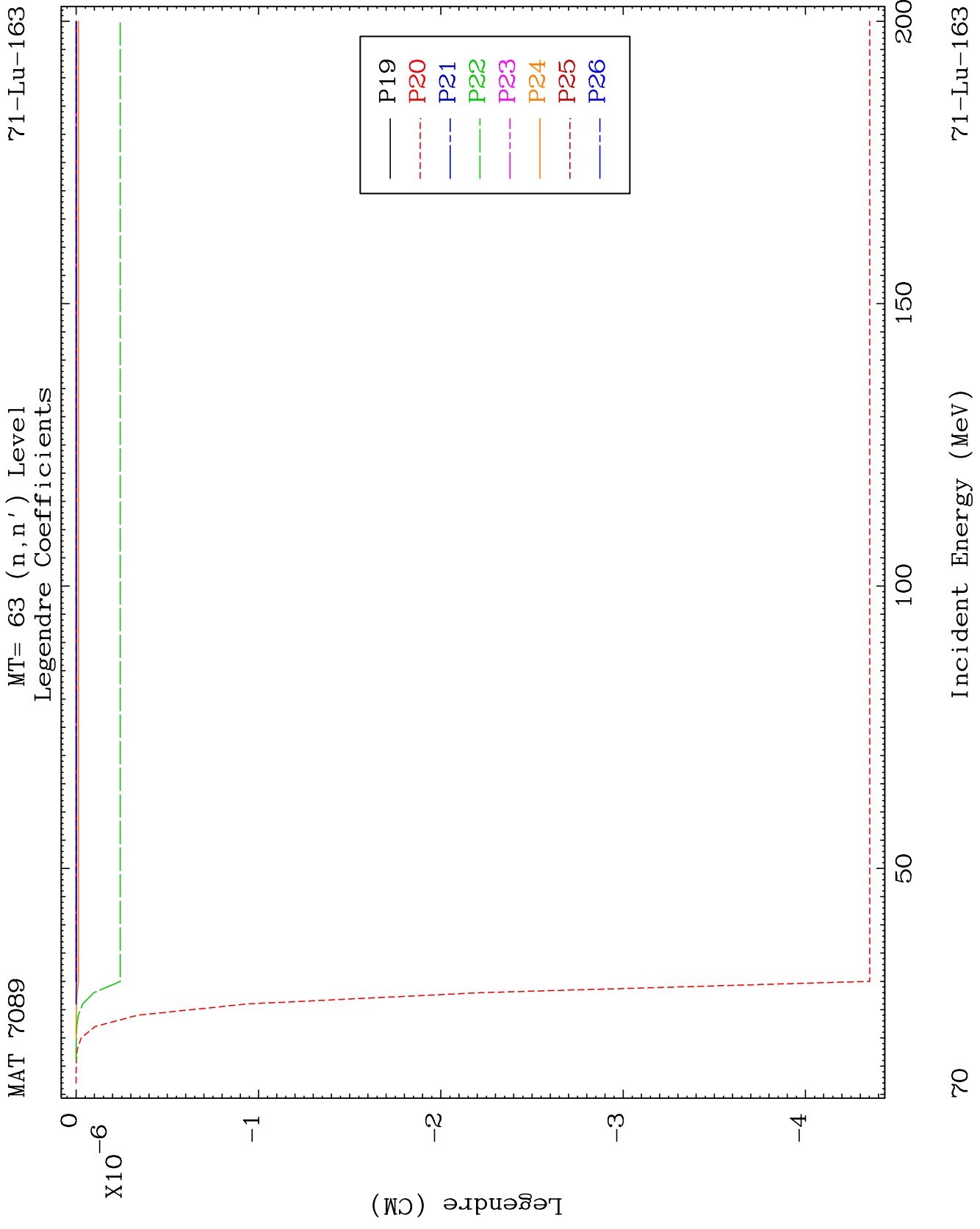
71-Lu-163



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Incident Energy (MeV)

71-Lu-163

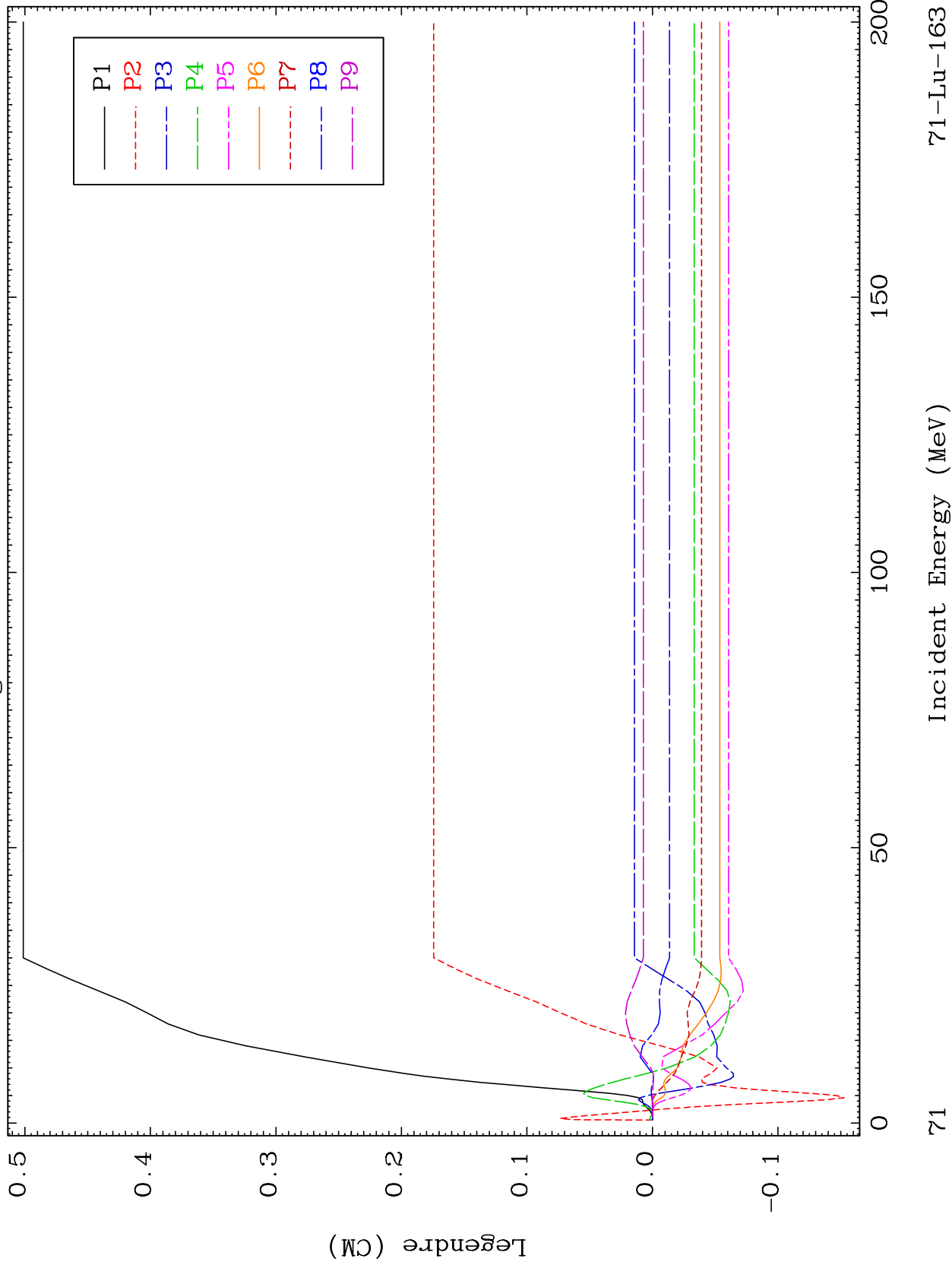


MAT 7089

MT= 64 (n,n') Level

71-Lu-163

Legendre Coefficients



71

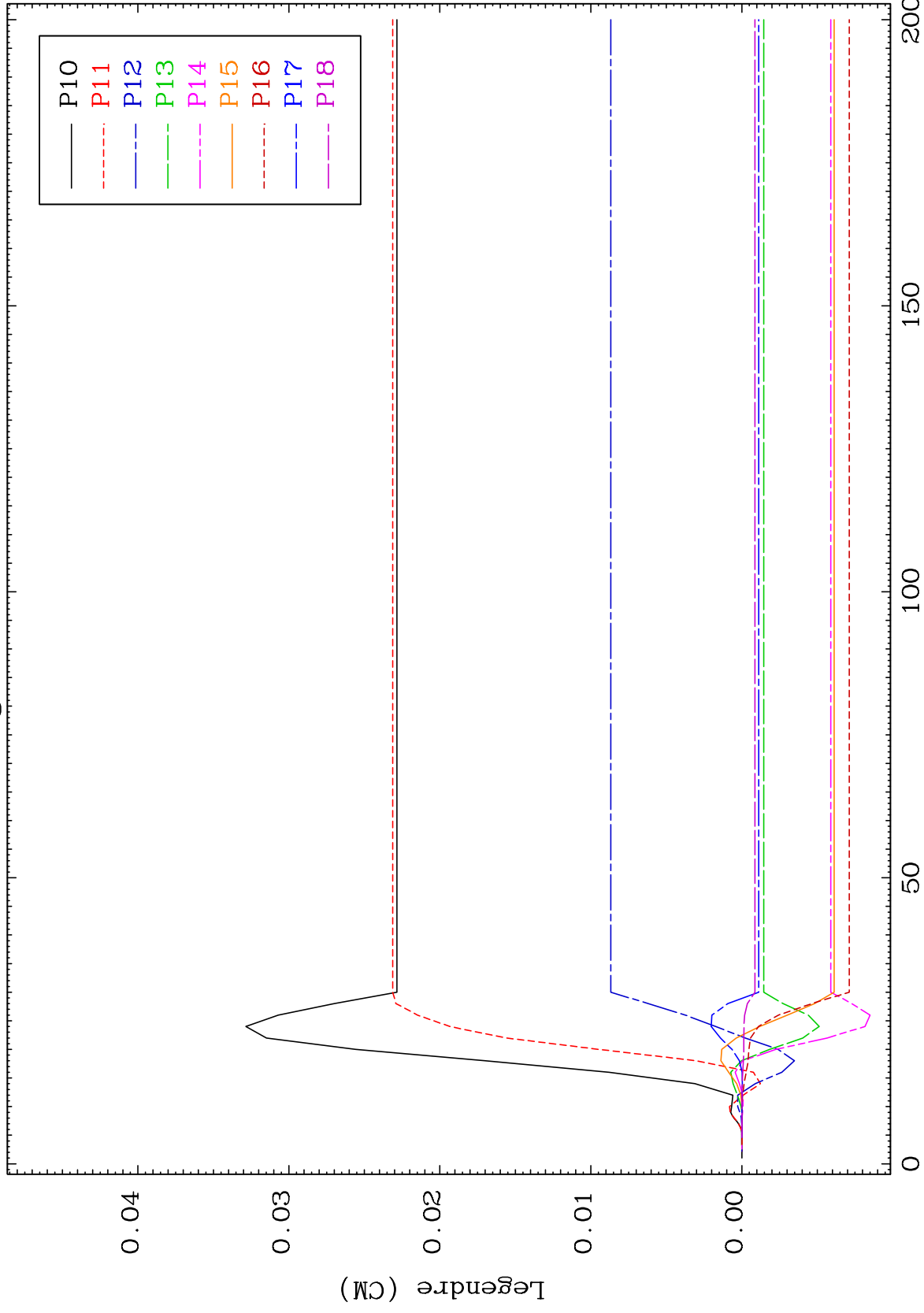
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



72

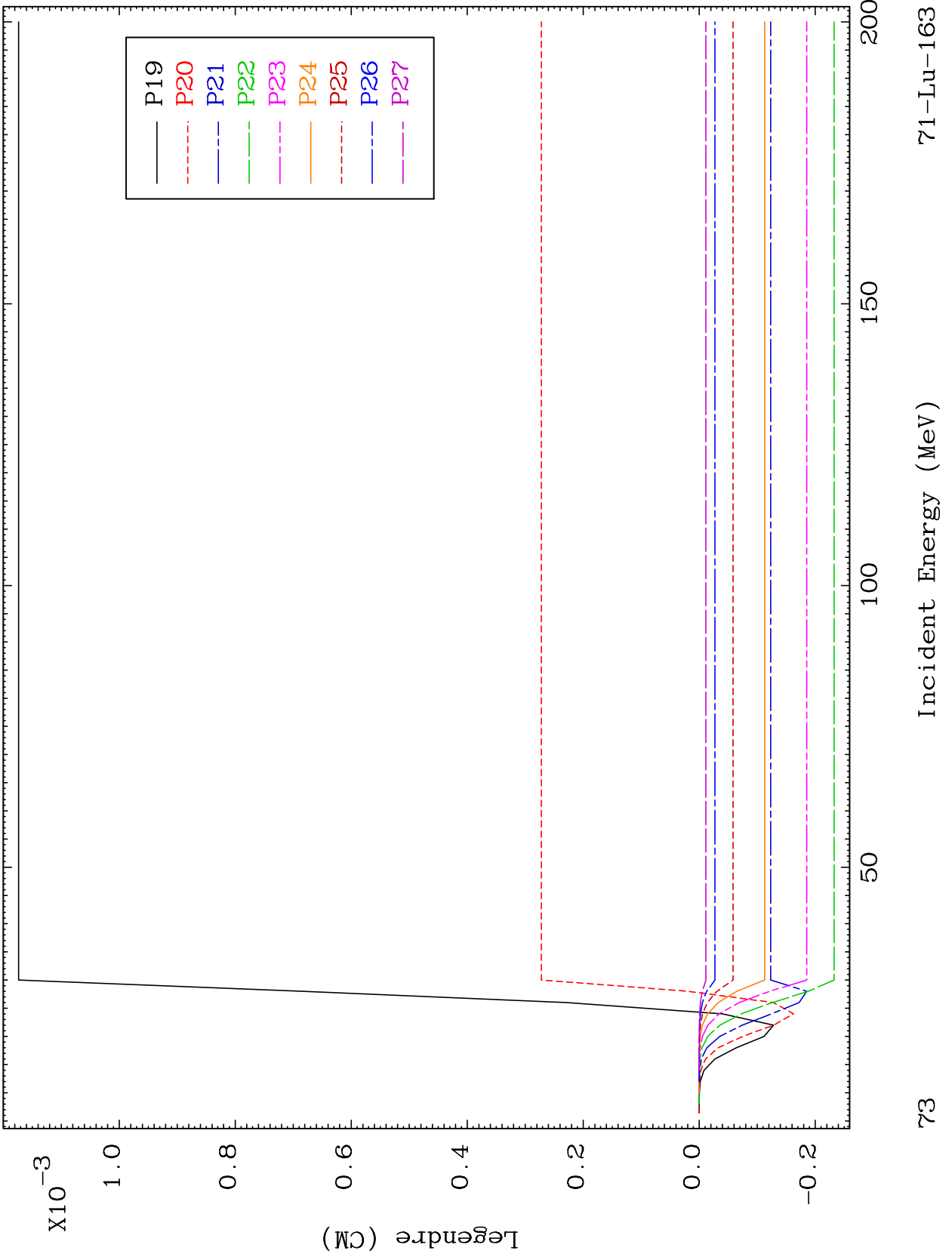
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

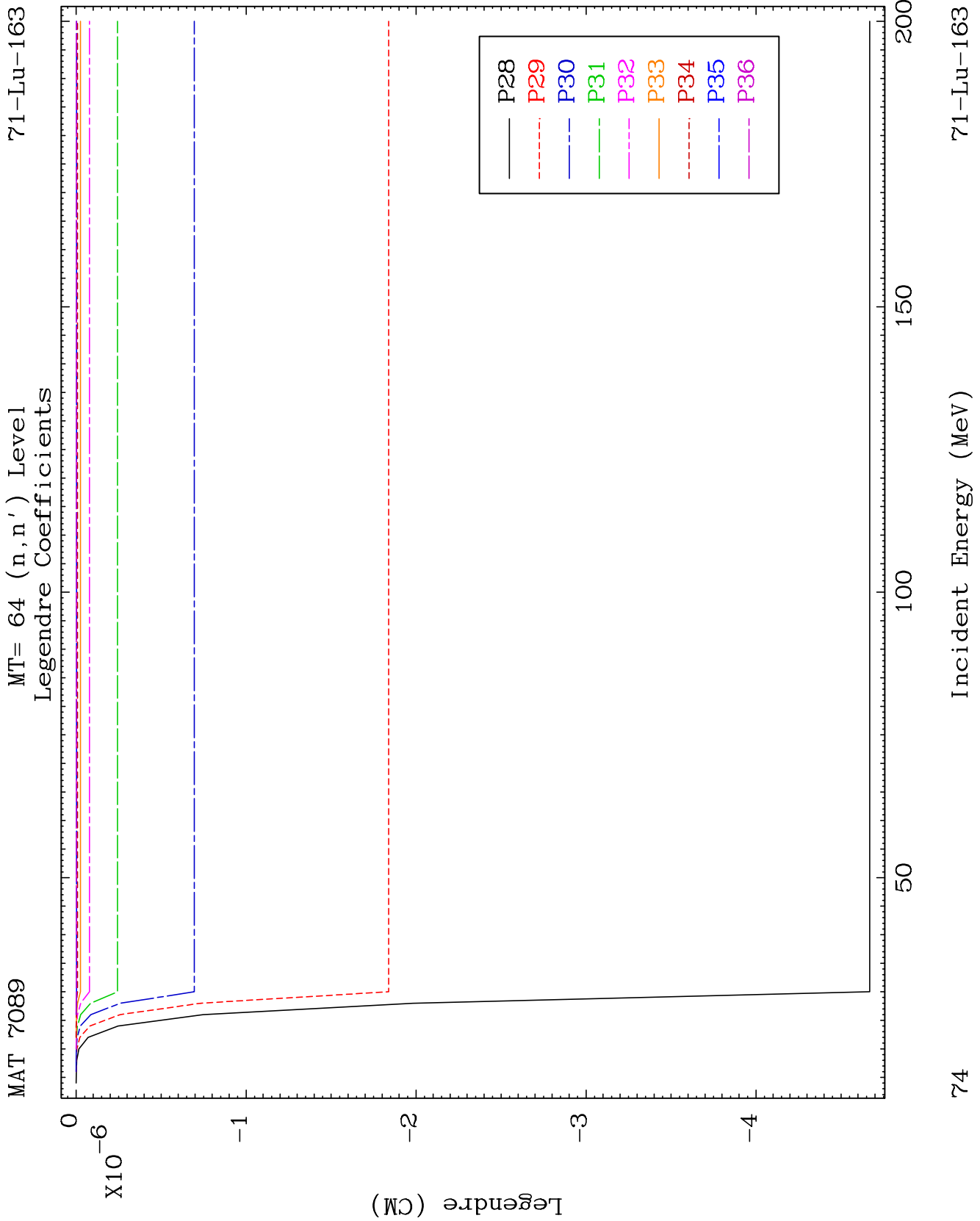
71-Lu-163

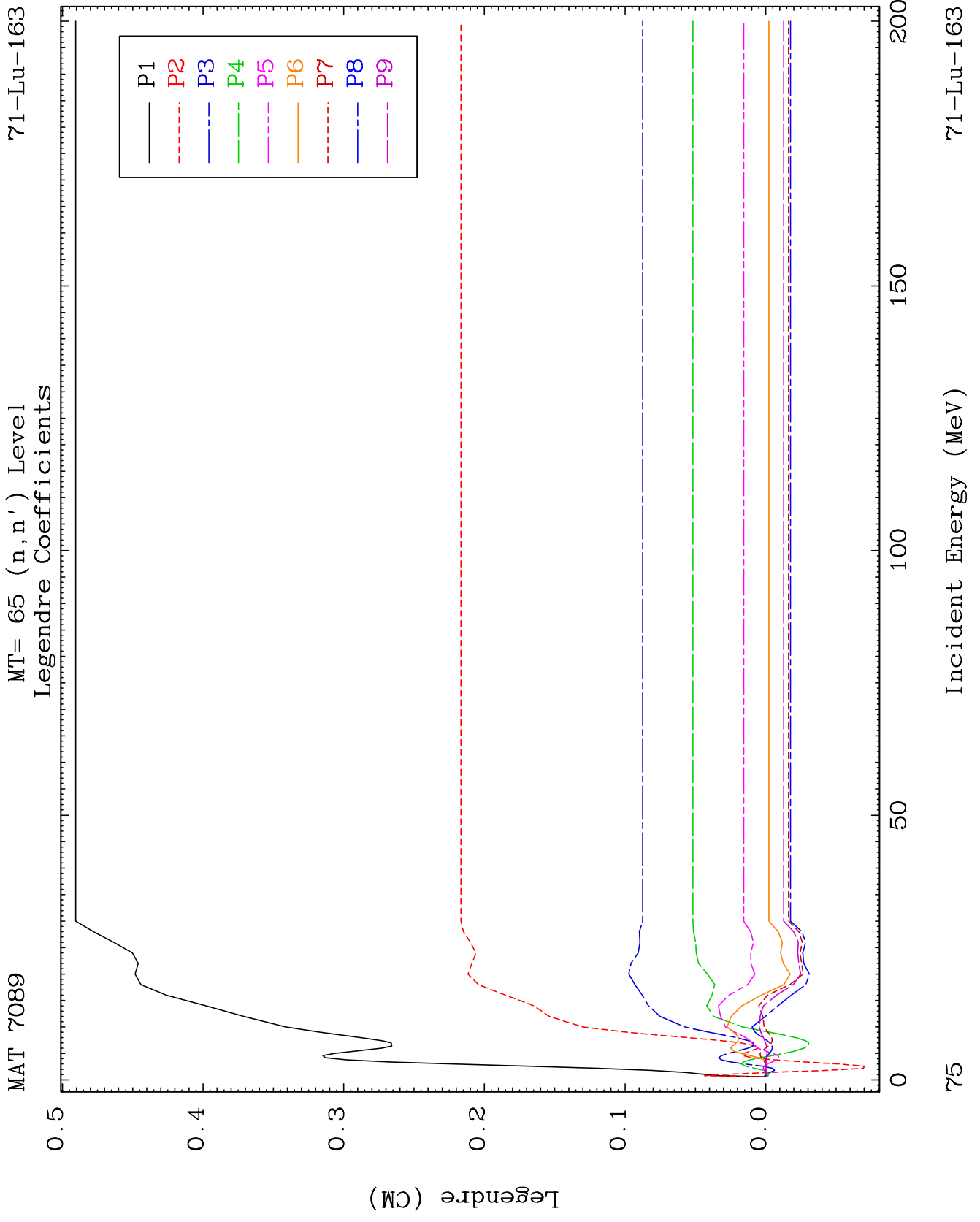


73

Incident Energy (MeV)

71-Lu-163

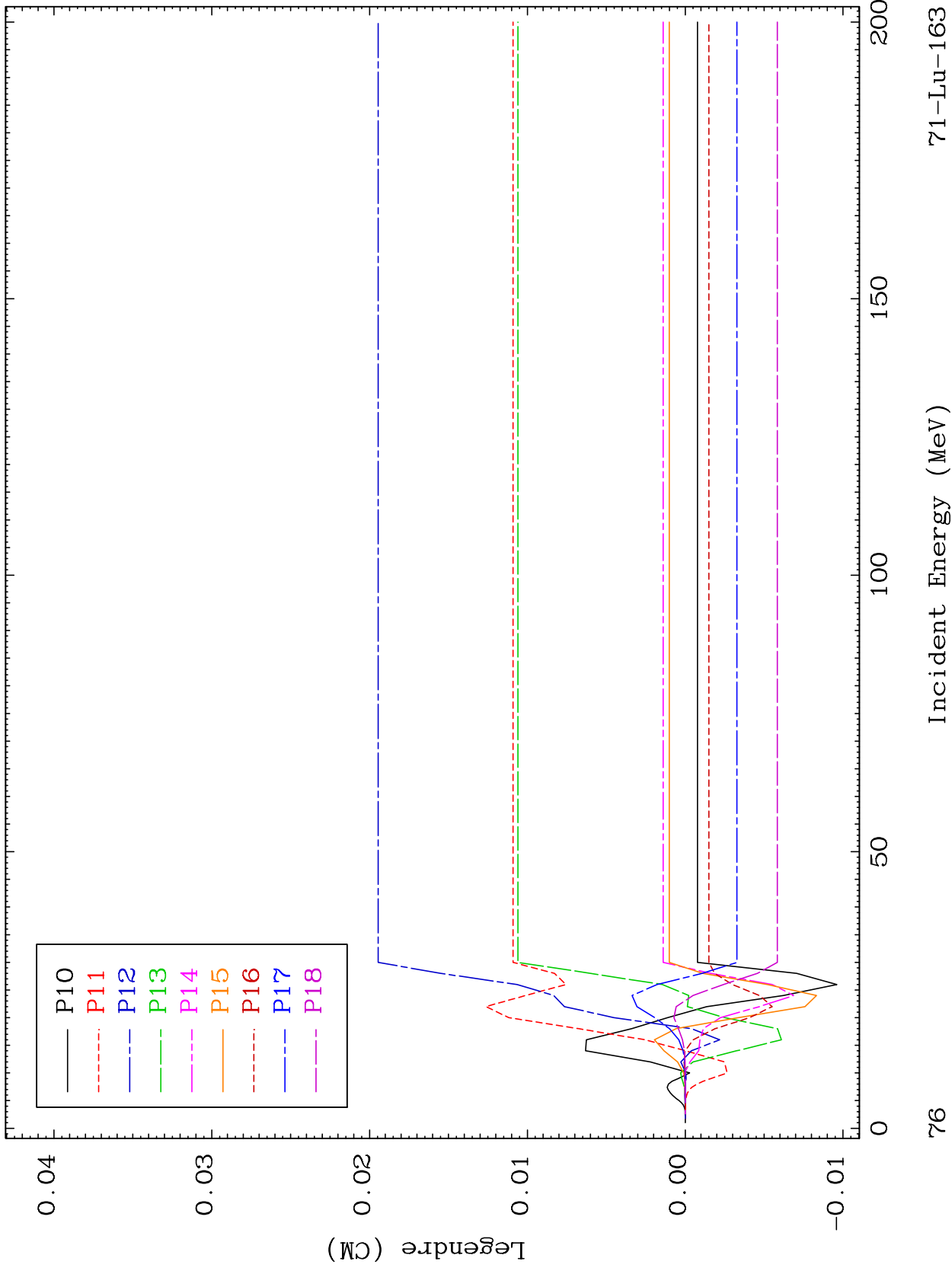




MAT 7089

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

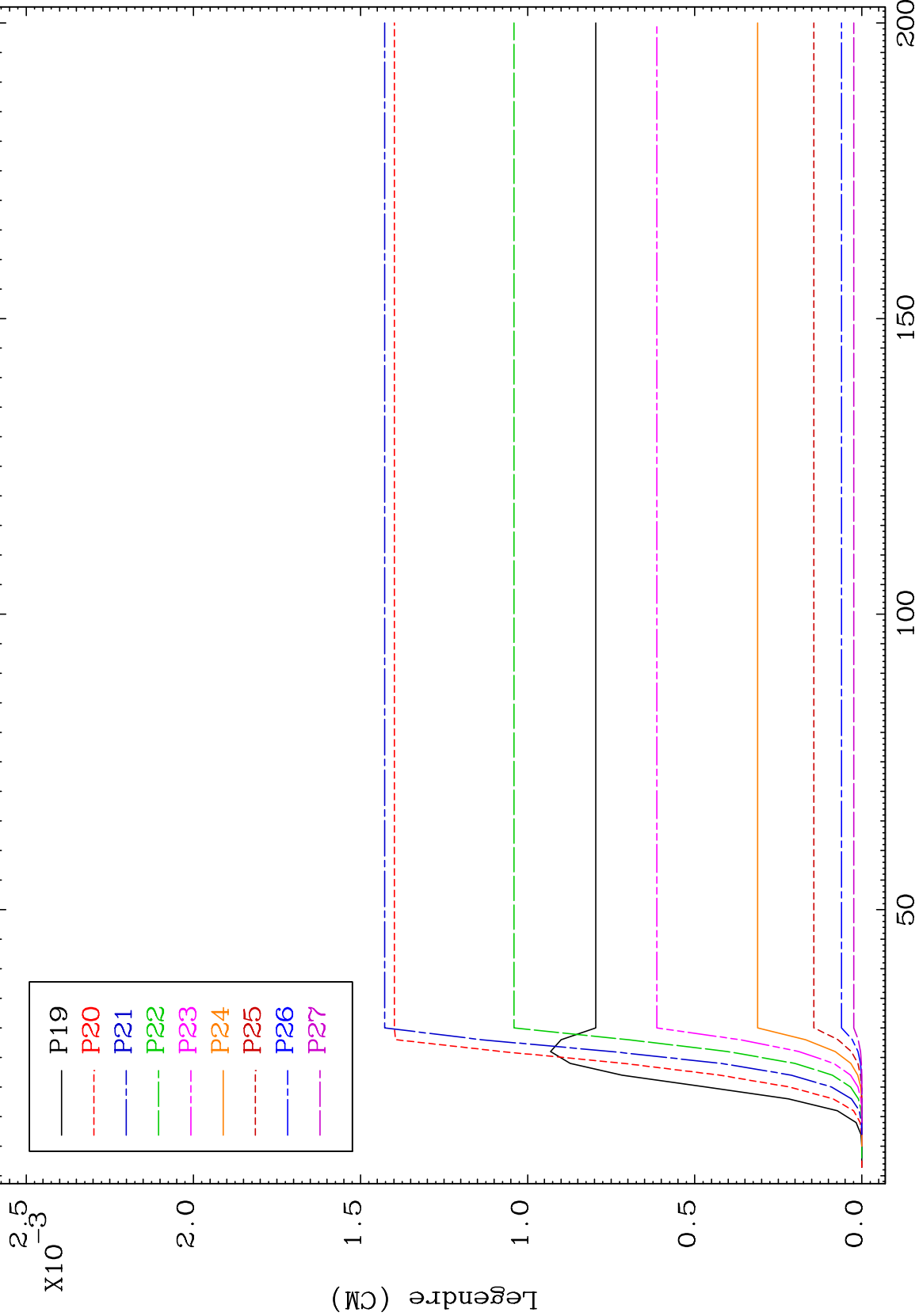
71-Lu-163



76

Incident Energy (MeV)

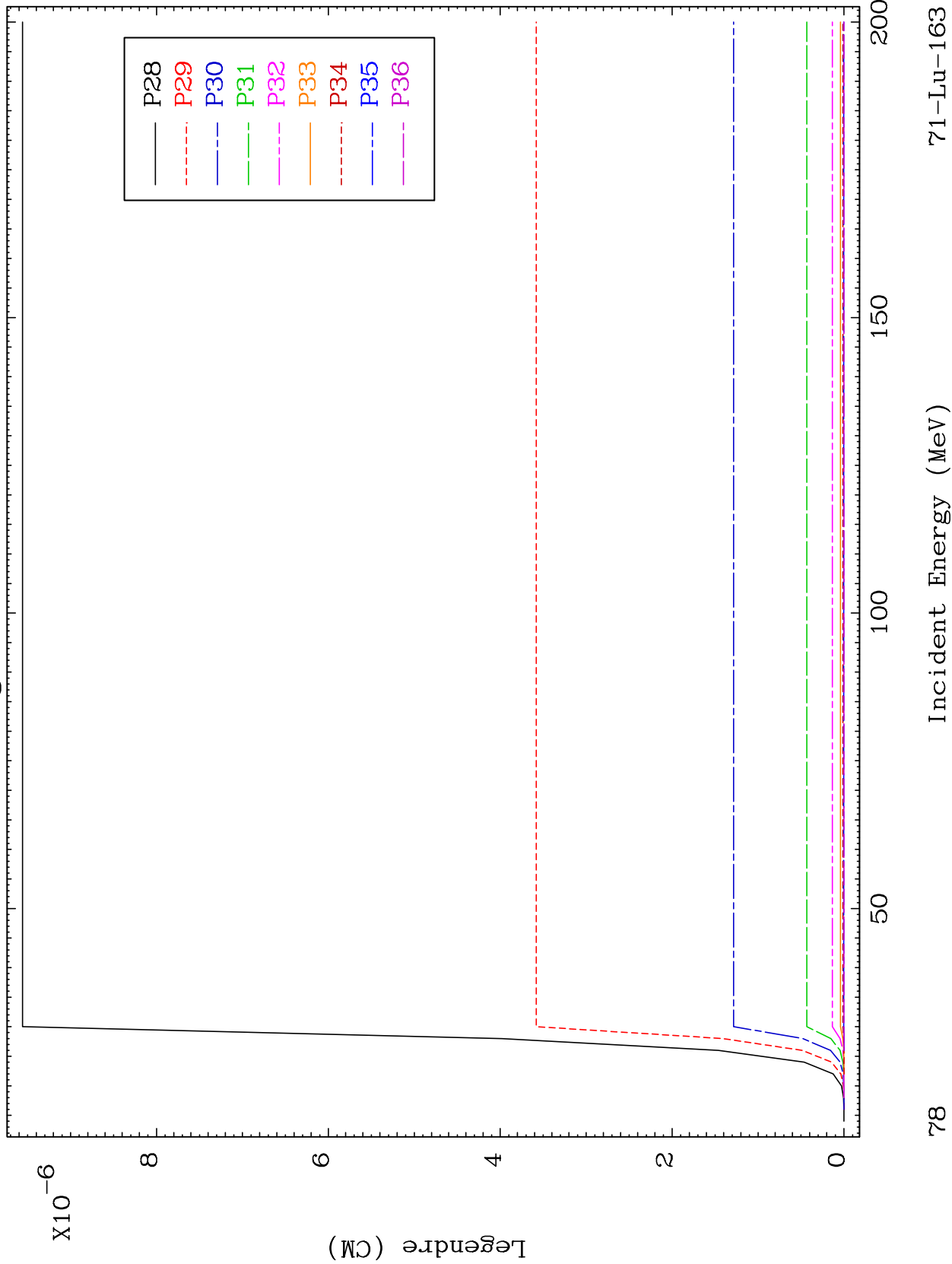
71-Lu-163



MAT 7089

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

71-Lu-163



78

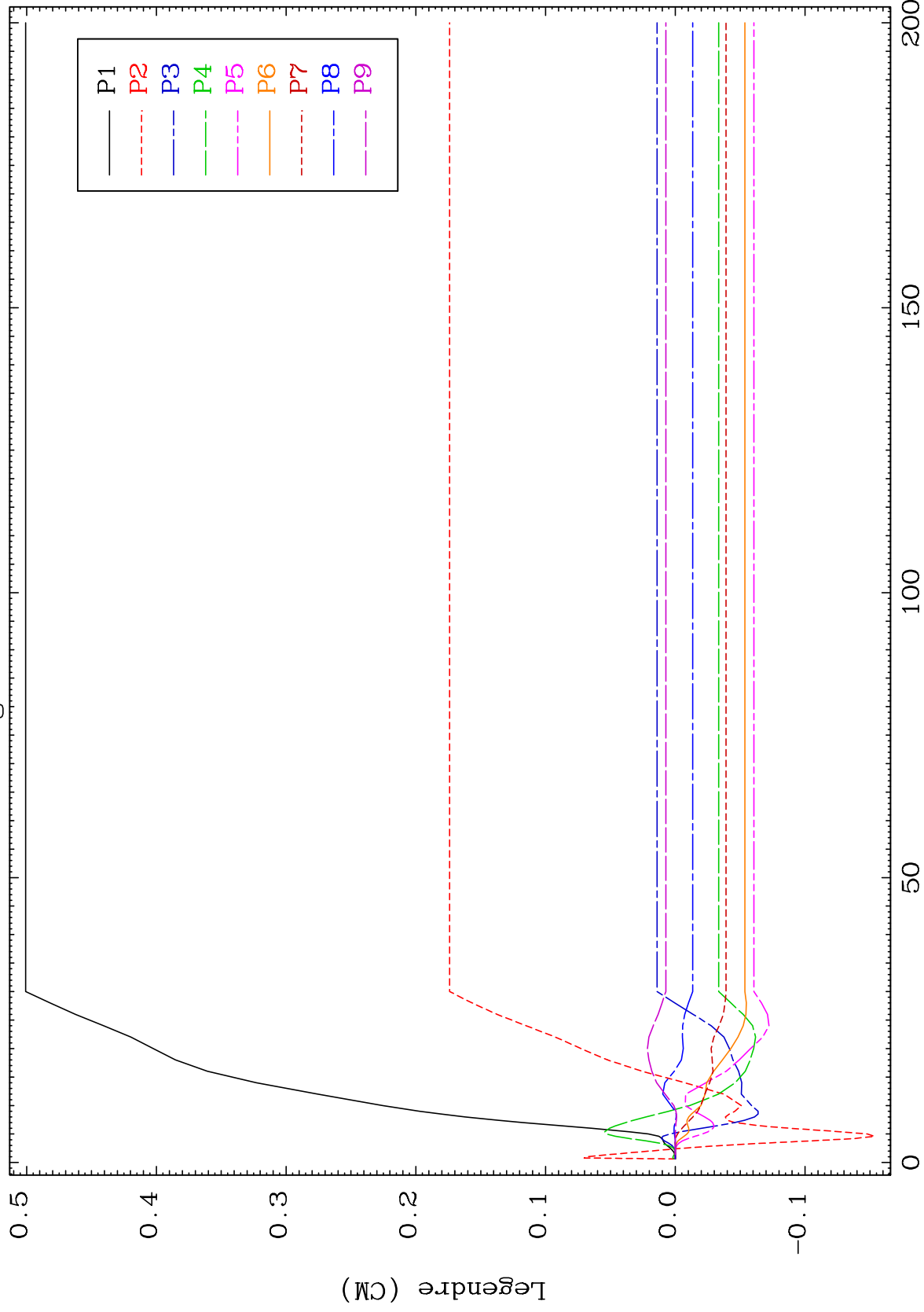
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



79

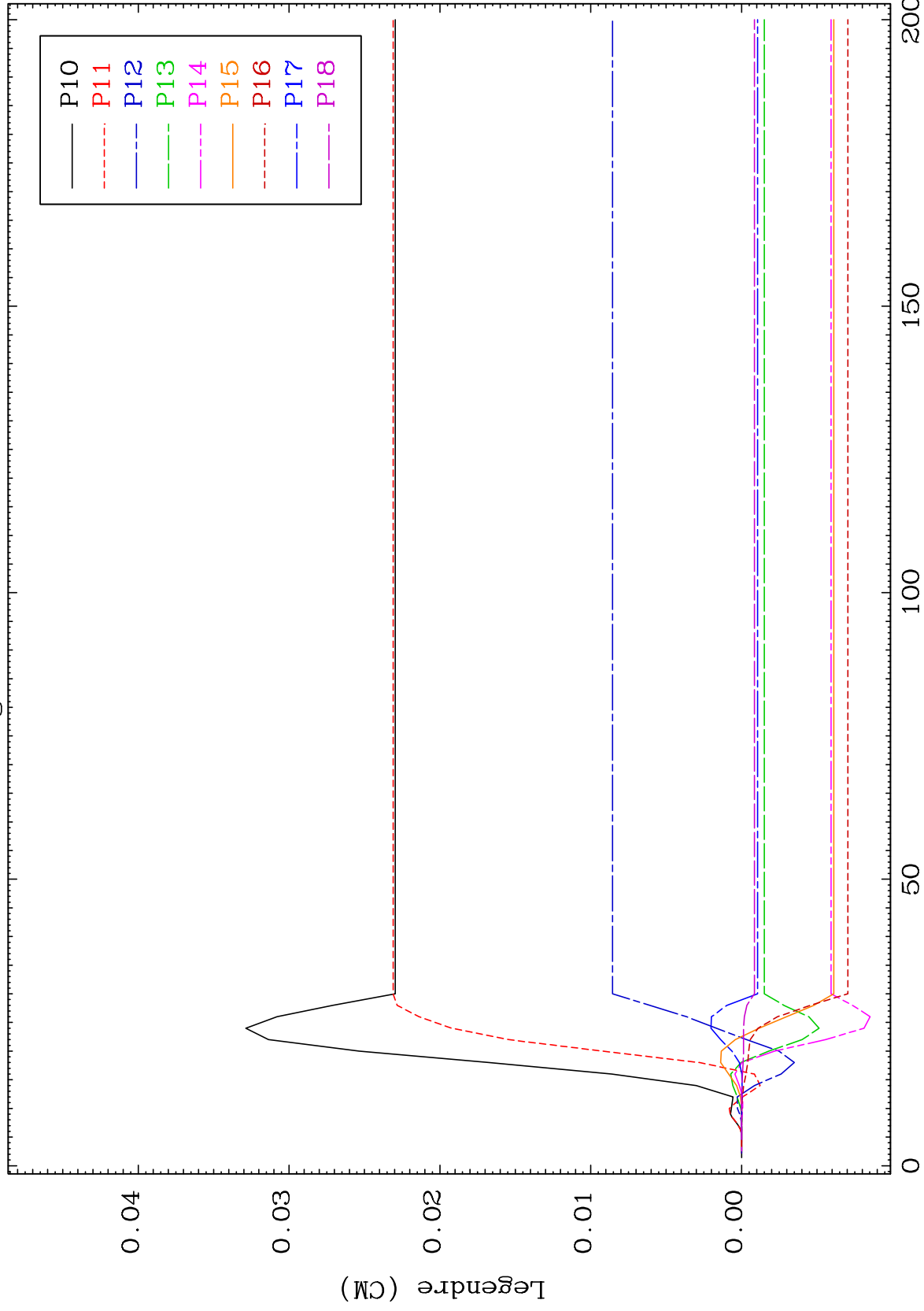
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

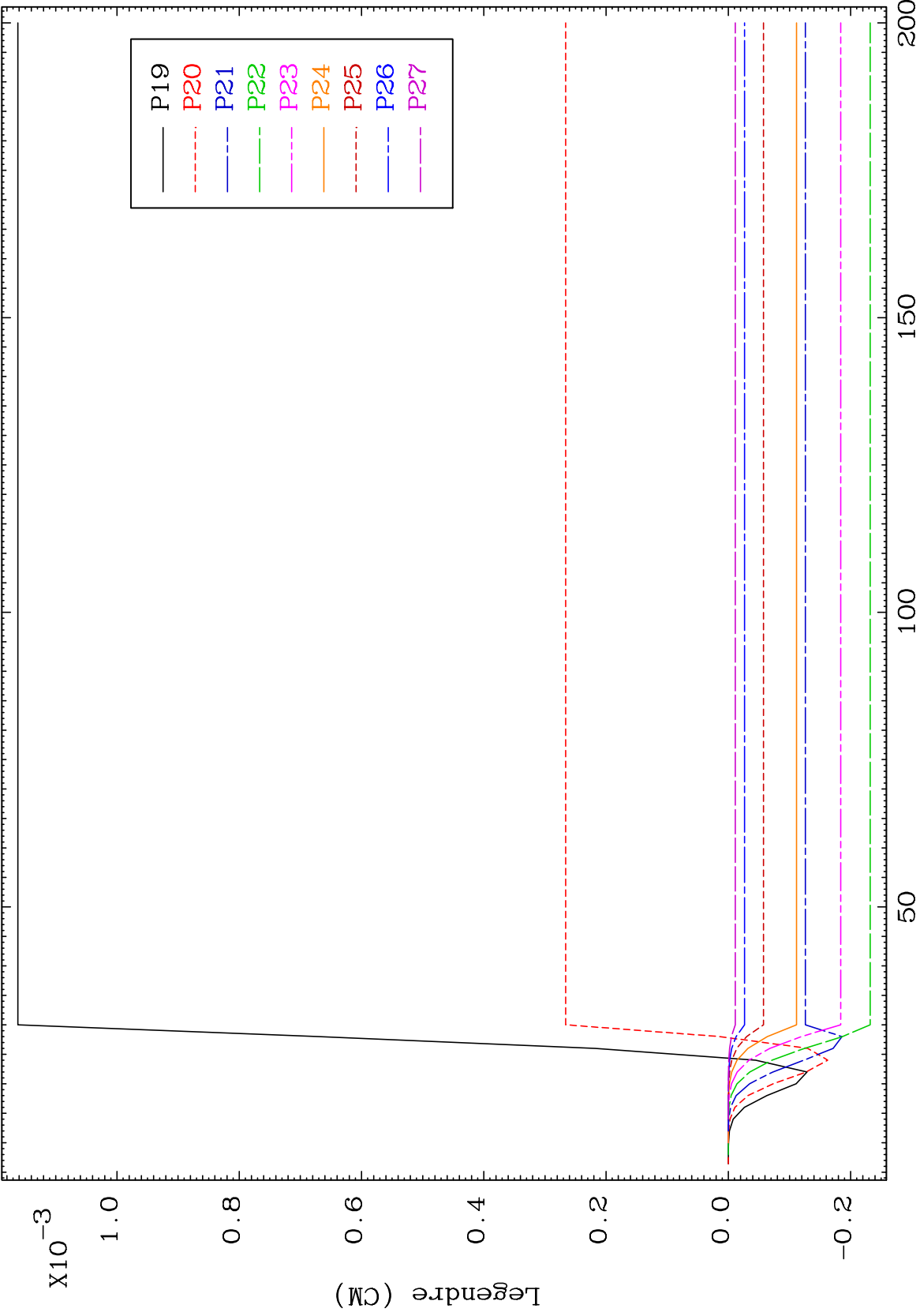
71-Lu-163



80

Incident Energy (MeV)

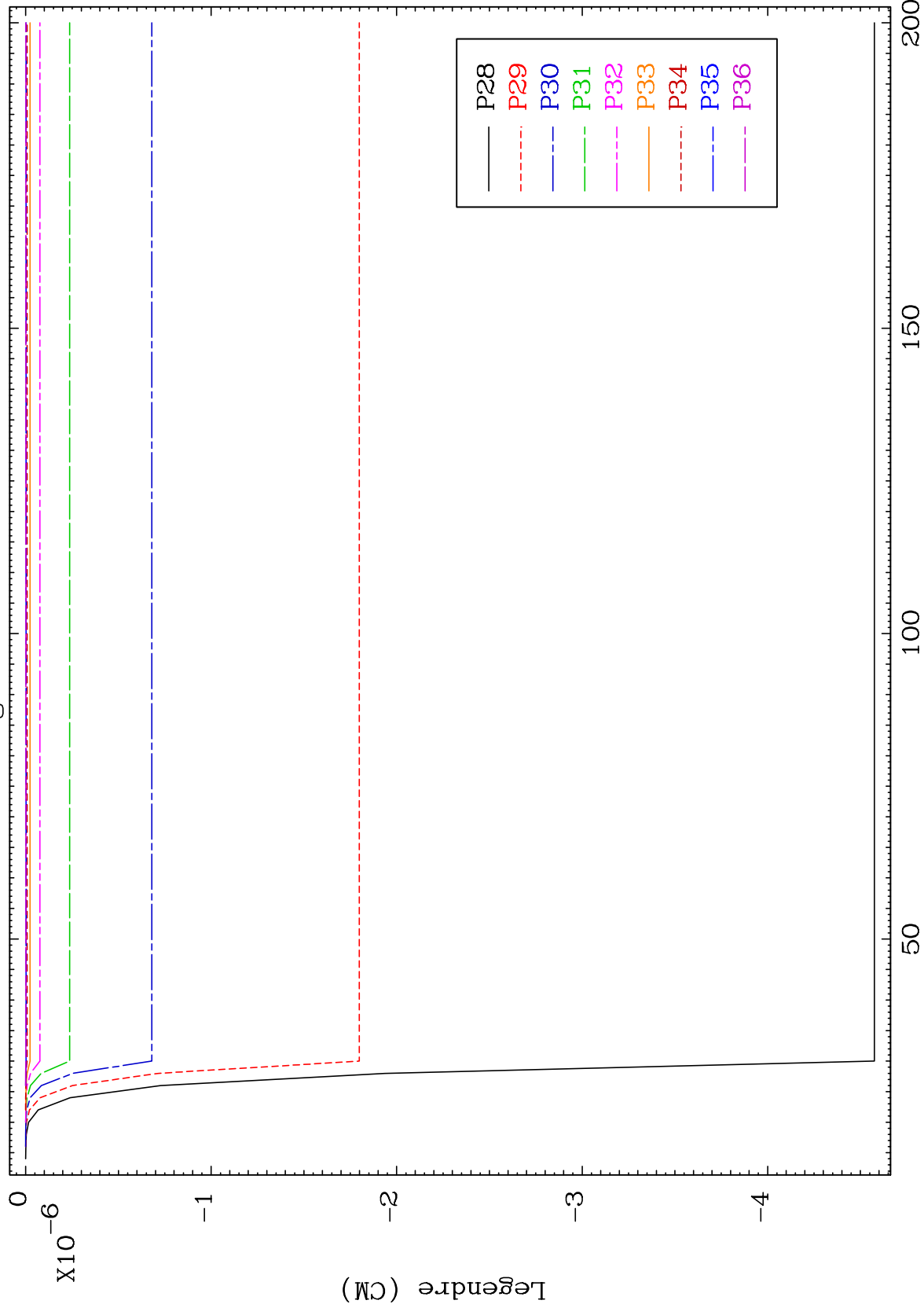
71-Lu-163



MAT 7089

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

71-Lu-163



82

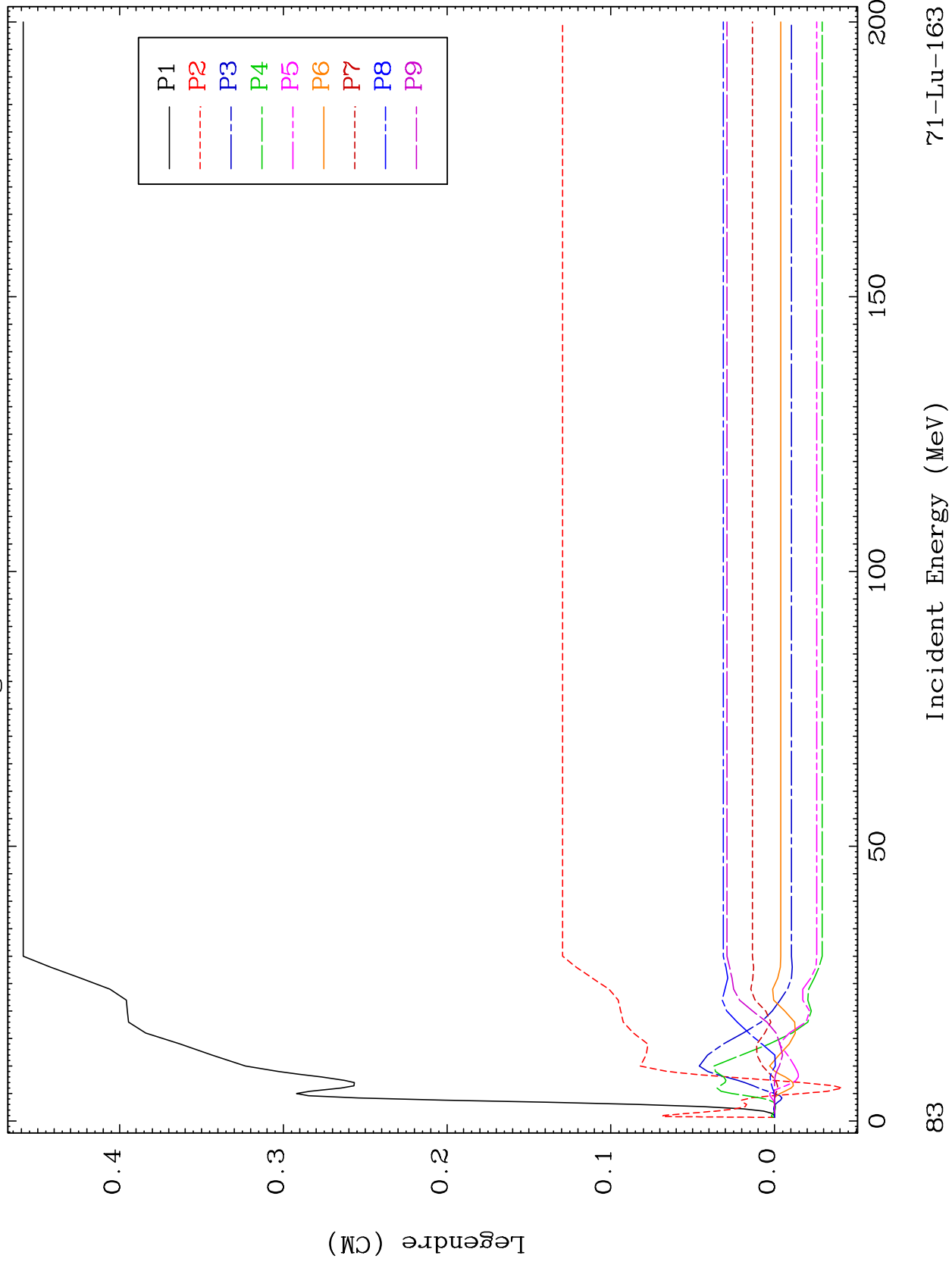
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



83

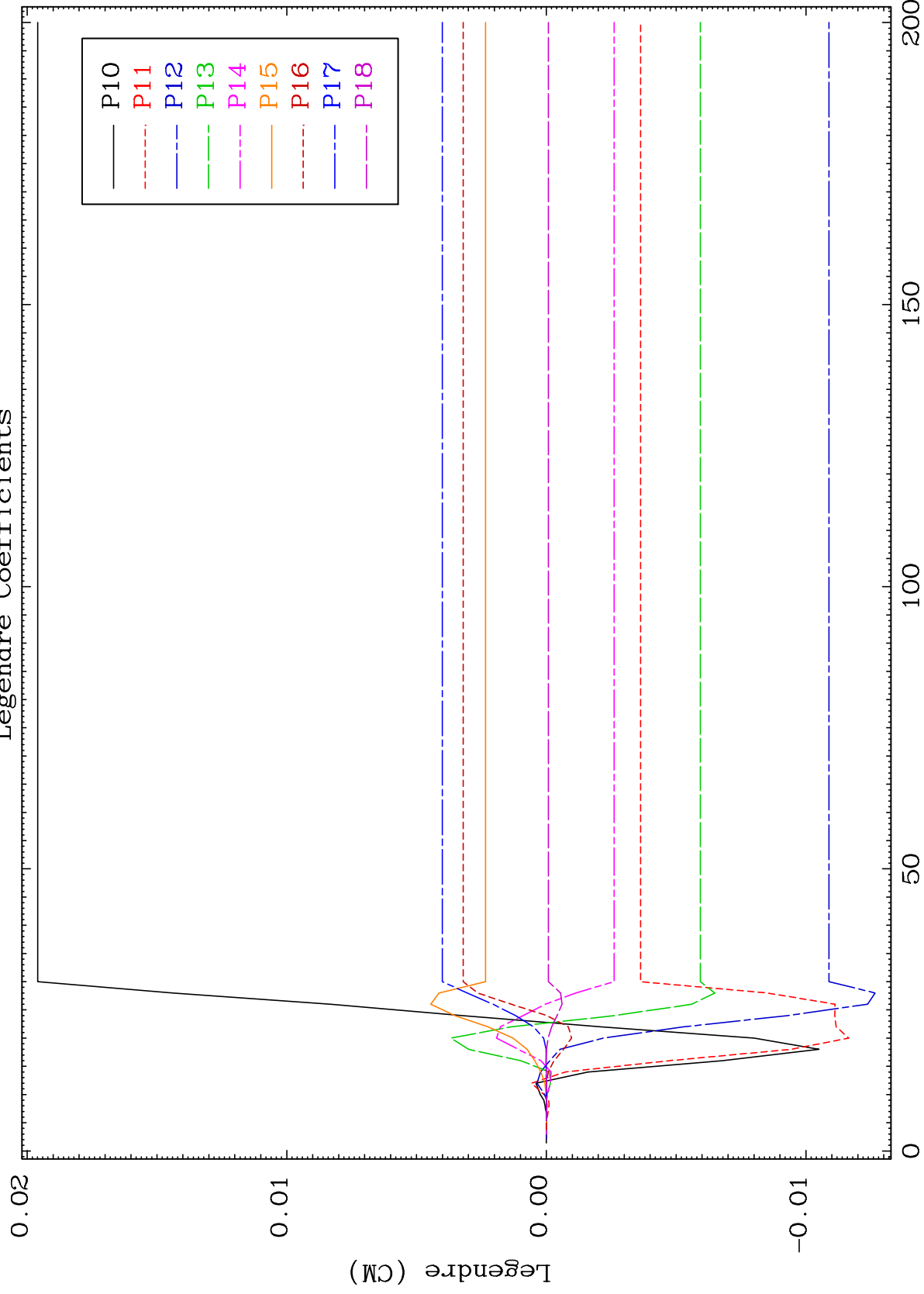
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

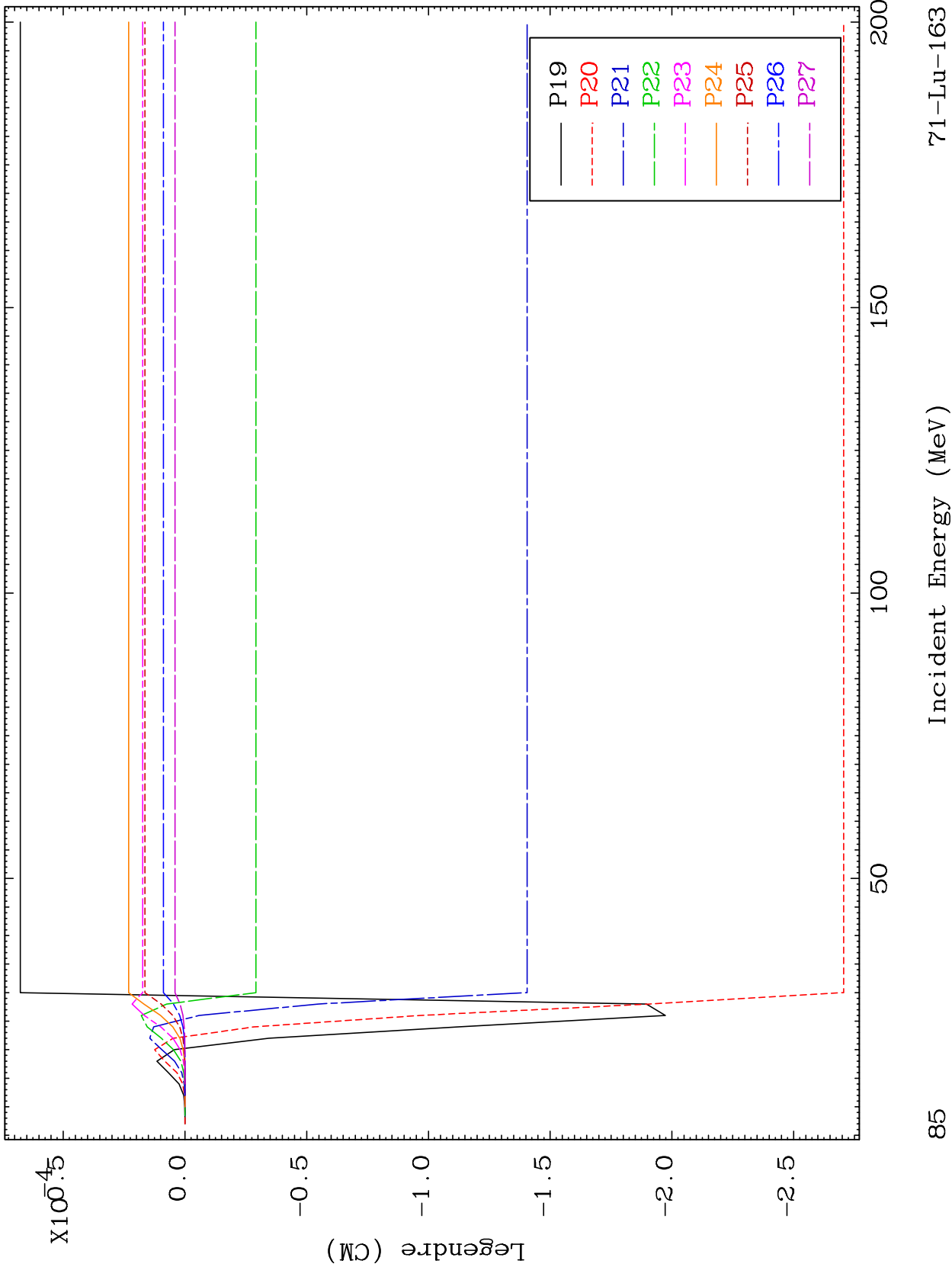
71-Lu-163



84

Incident Energy (MeV)

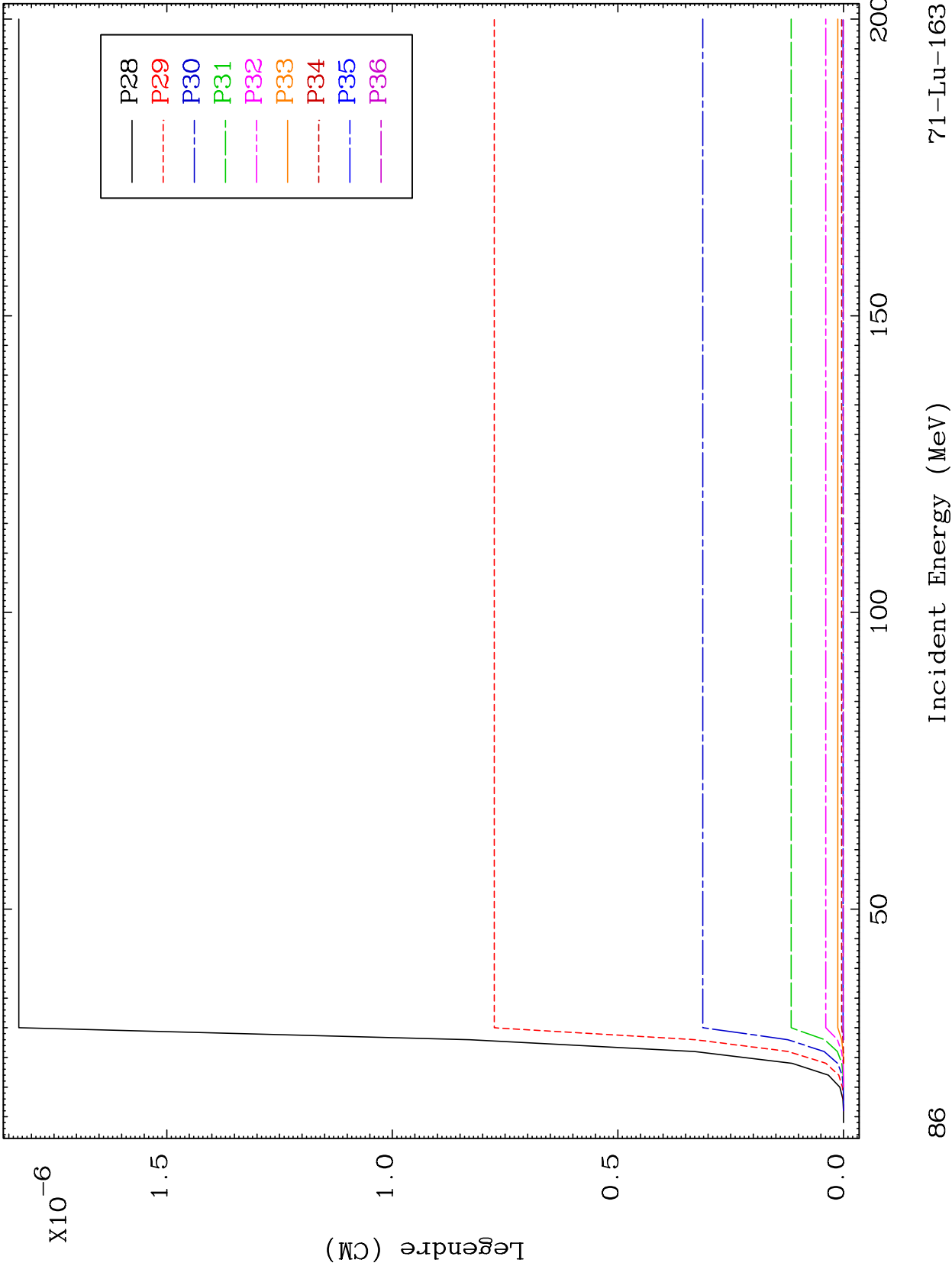
71-Lu-163



MAT 7089

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

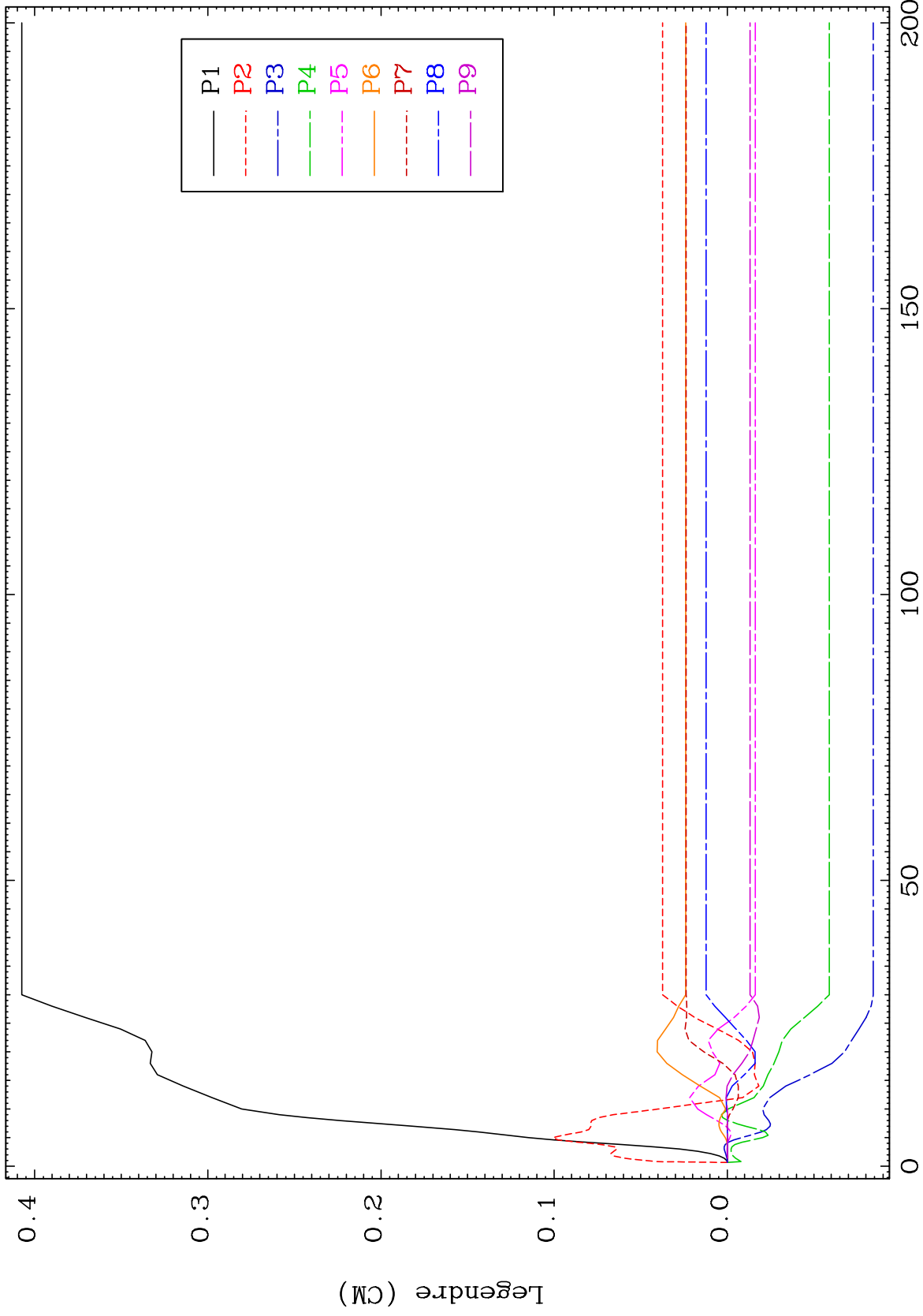
71-Lu-163



MAT 7089

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

71-Lu-163



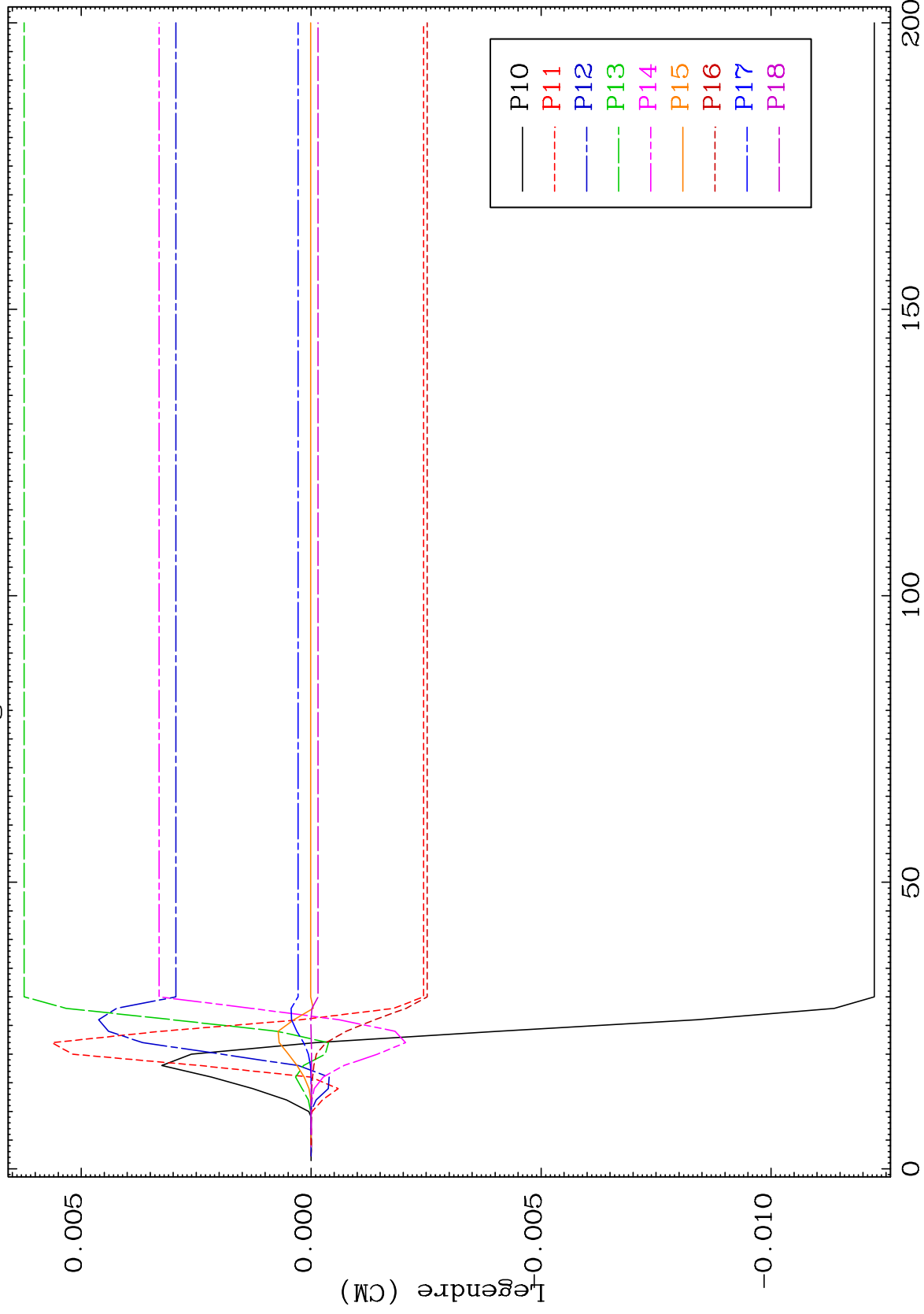
87

71-Lu-163

MAT 7089

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

71-Lu-163



88

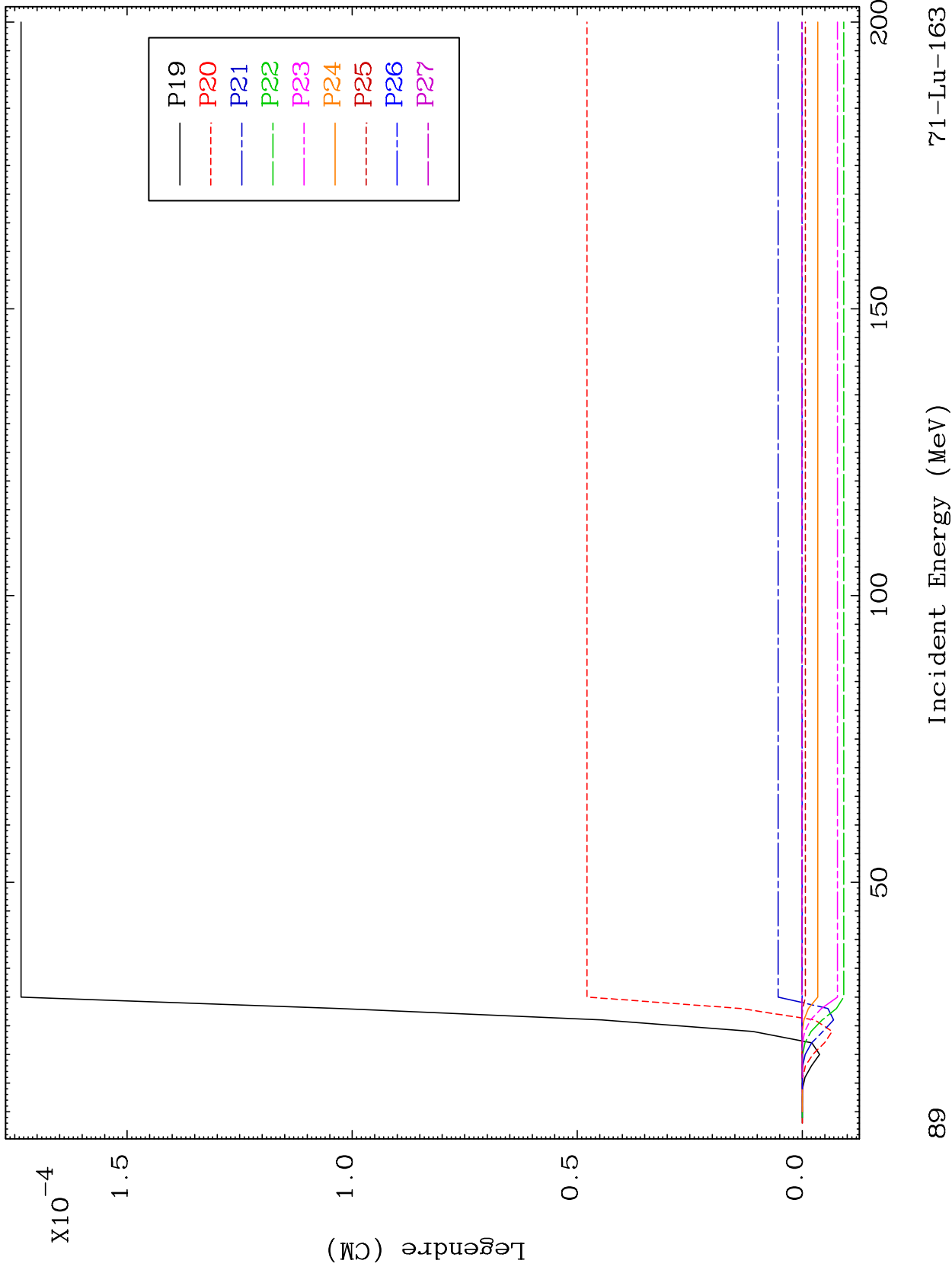
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

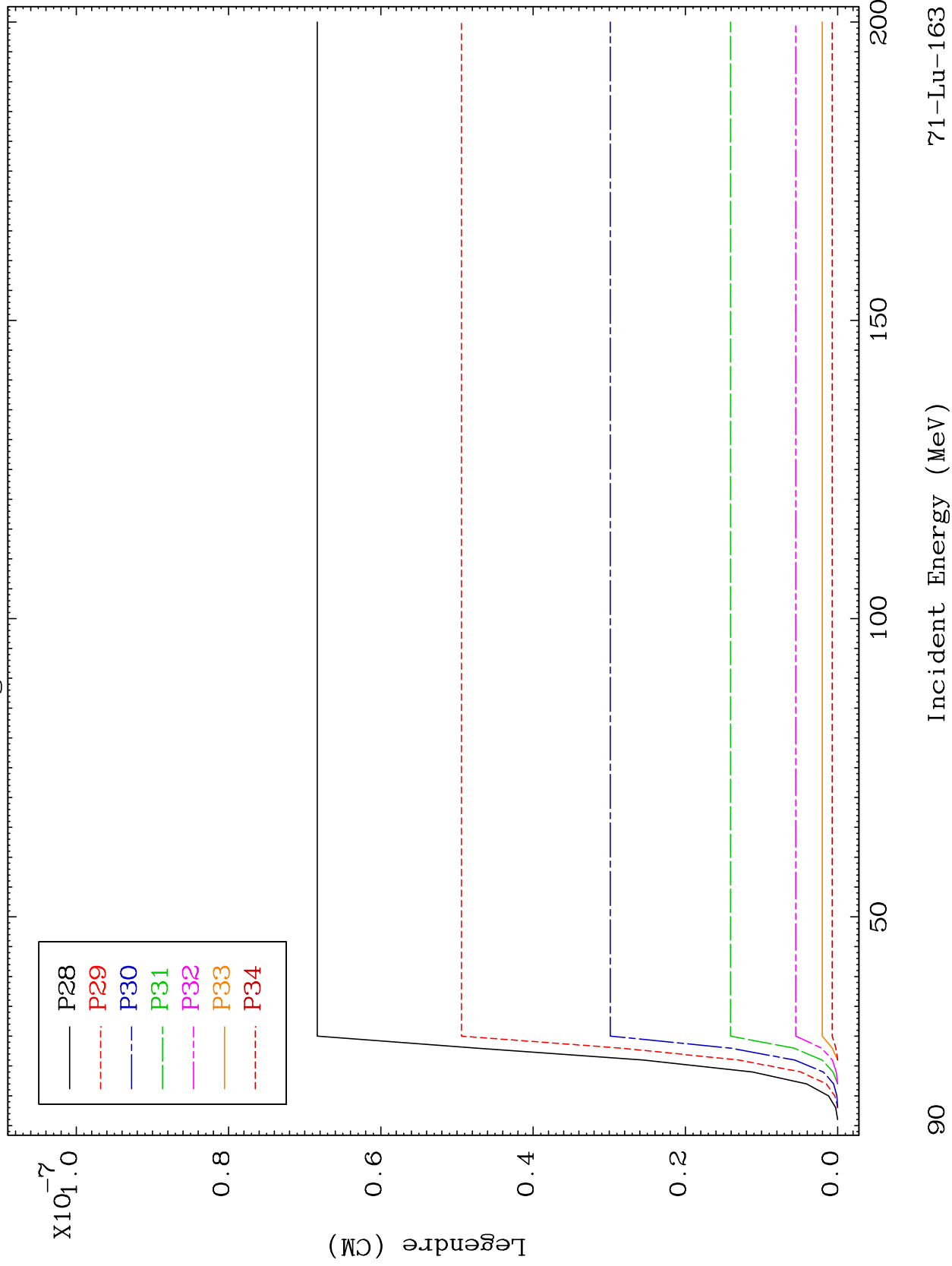
71-Lu-163



MAT 7089

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

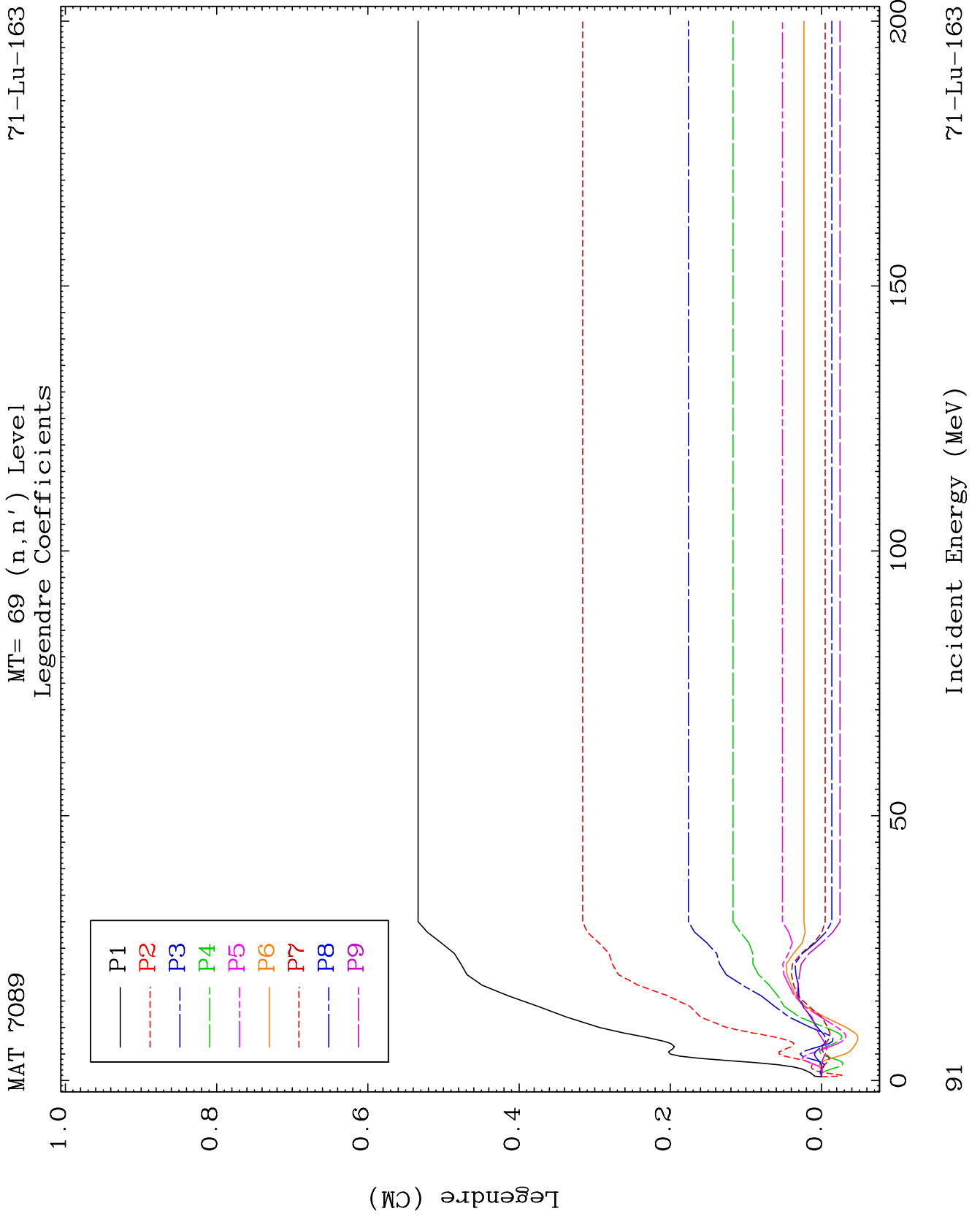
71-Lu-163



90

Incident Energy (MeV)

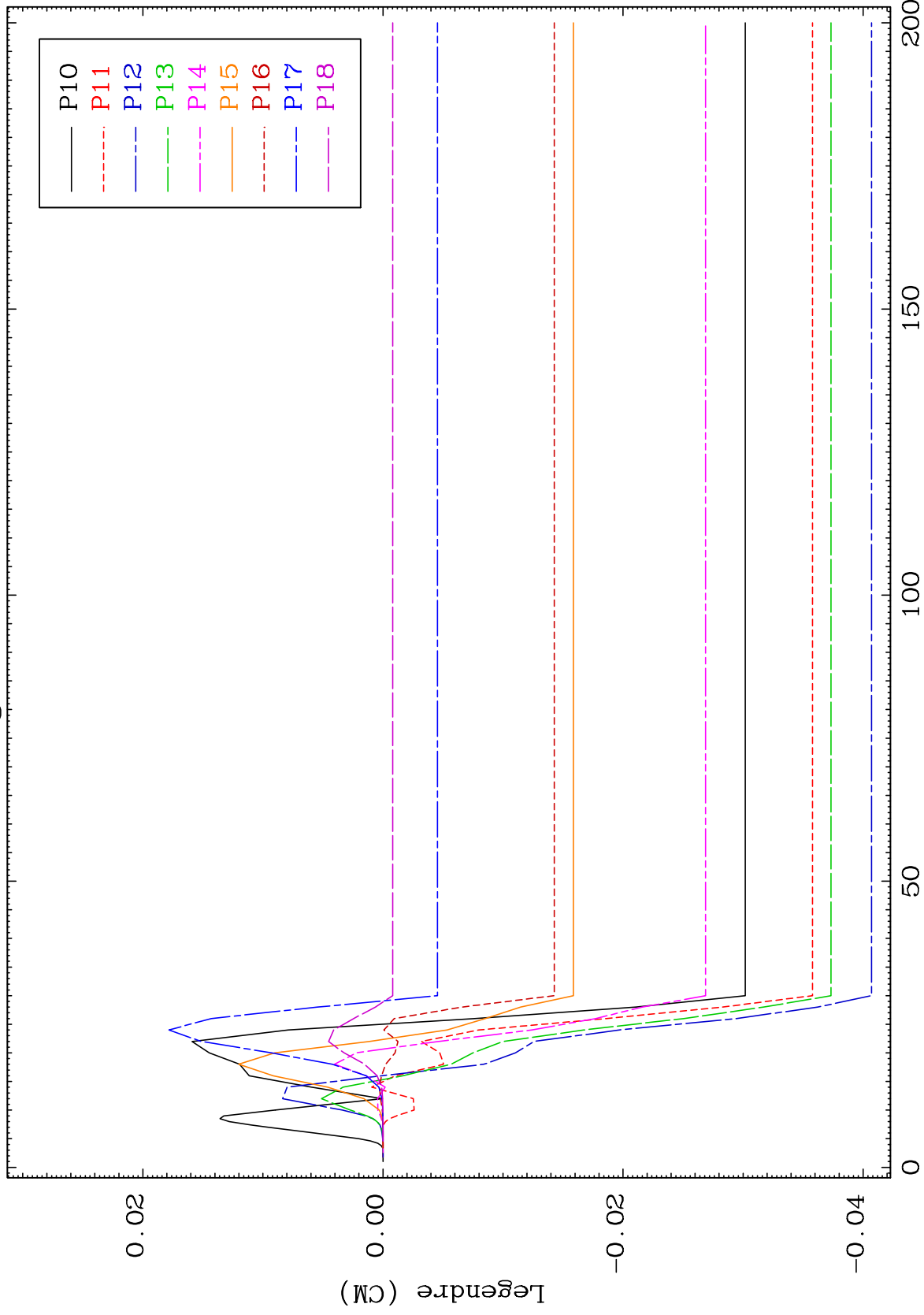
71-Lu-163



MAT 7089

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

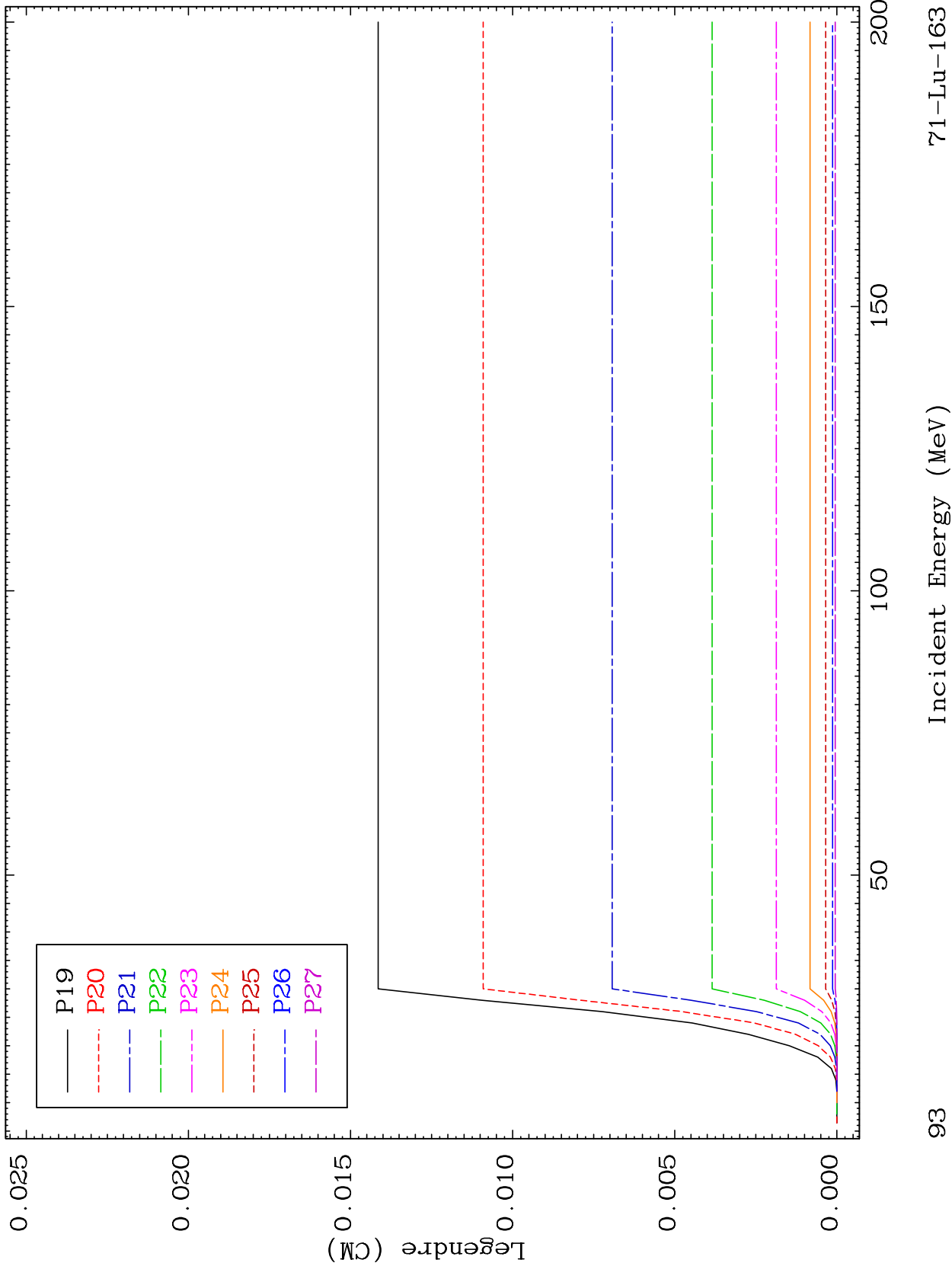
71-Lu-163



92

Incident Energy (MeV)

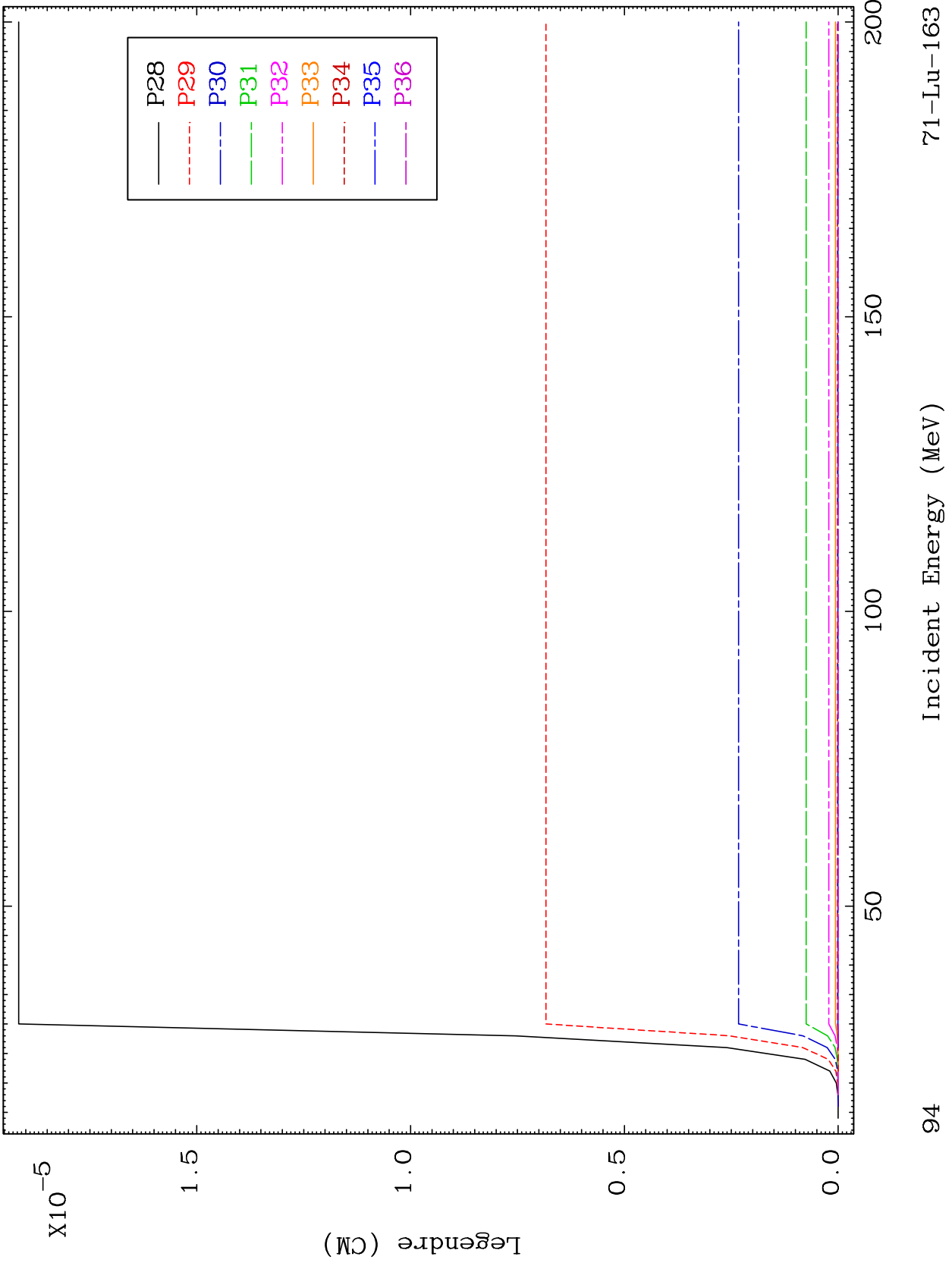
71-Lu-163



MAT 7089

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

71-Lu-163

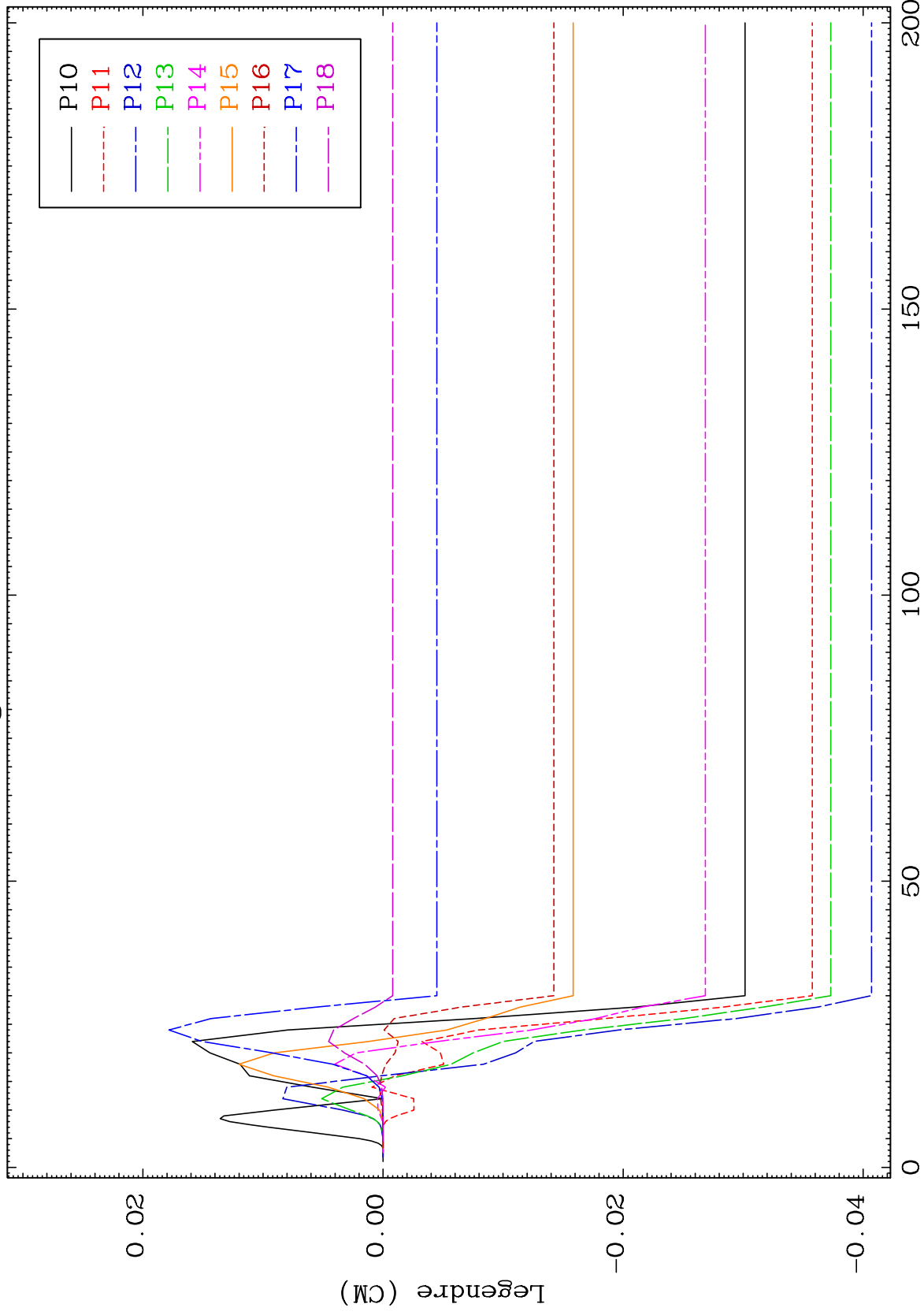


94

MAT 7089

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

71-Lu-163



96

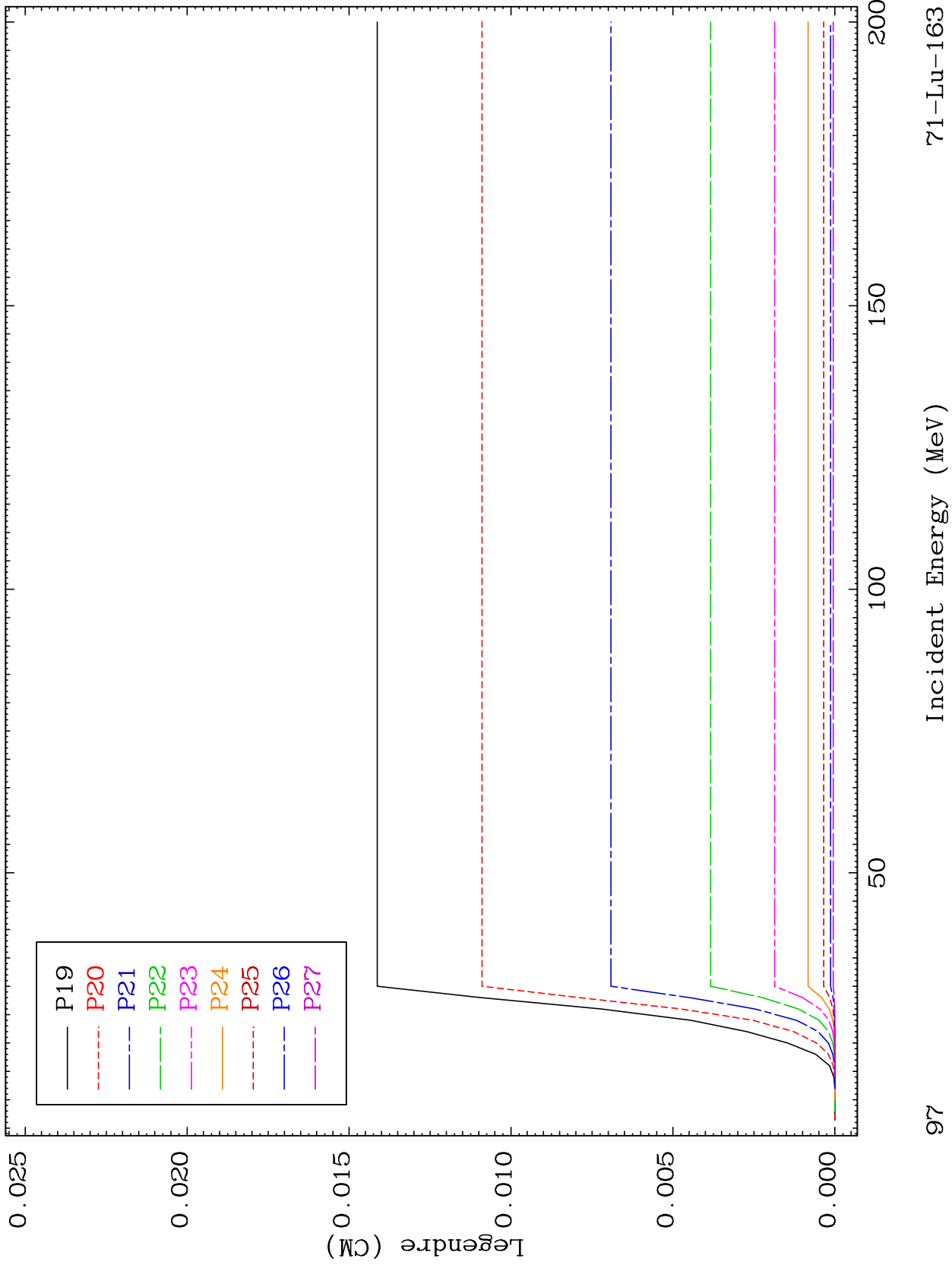
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



97

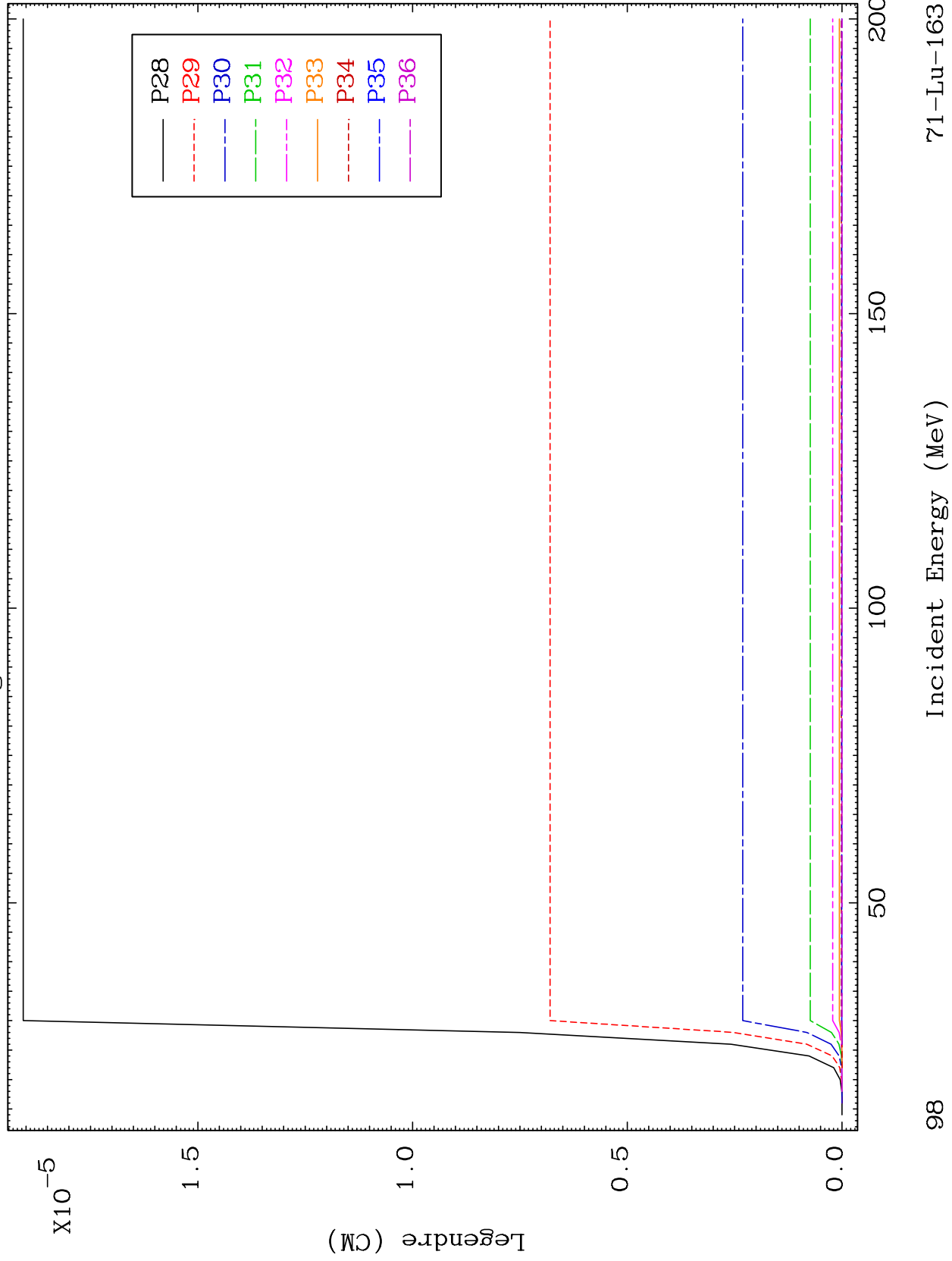
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

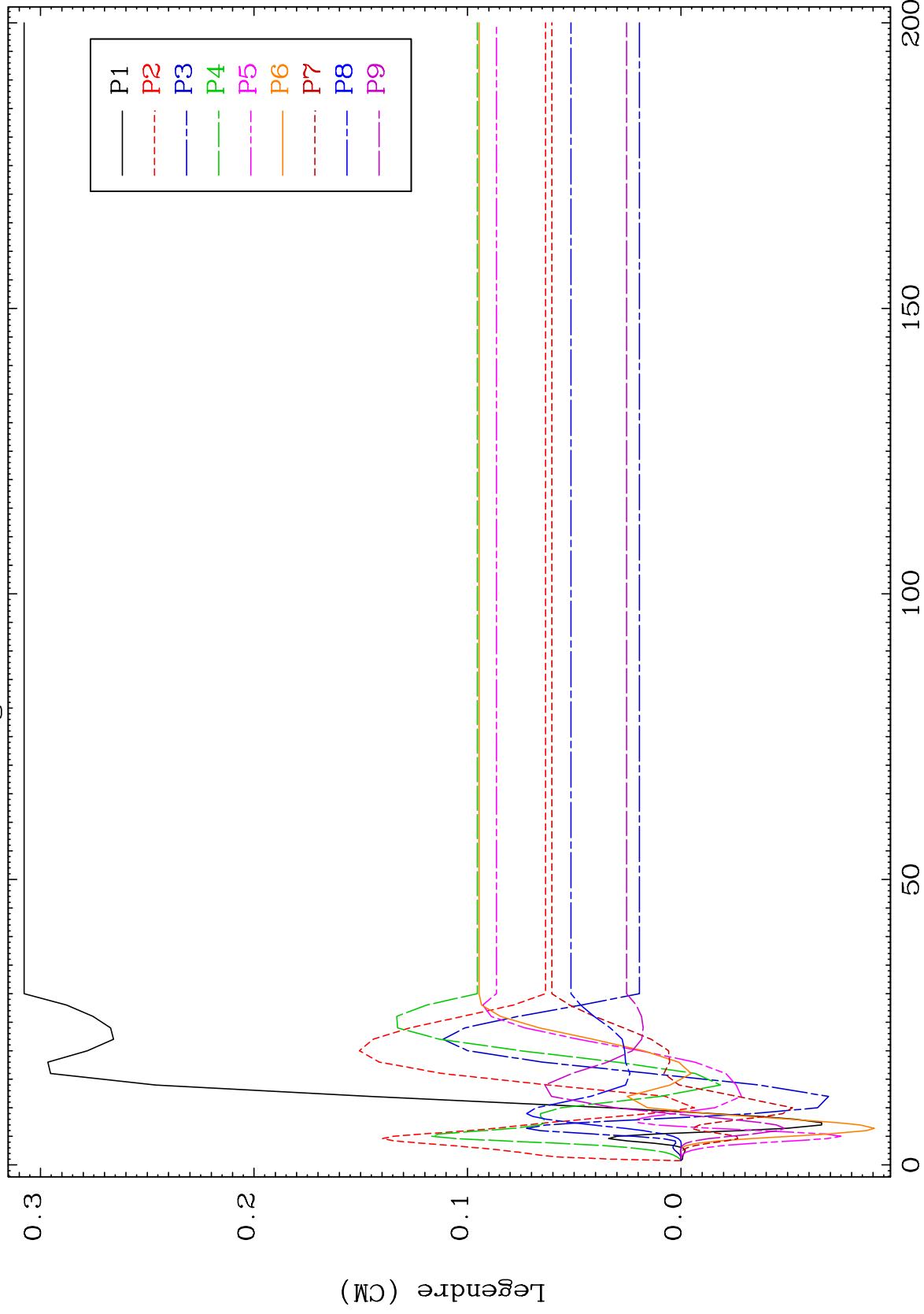
71-Lu-163



MAT 7089

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

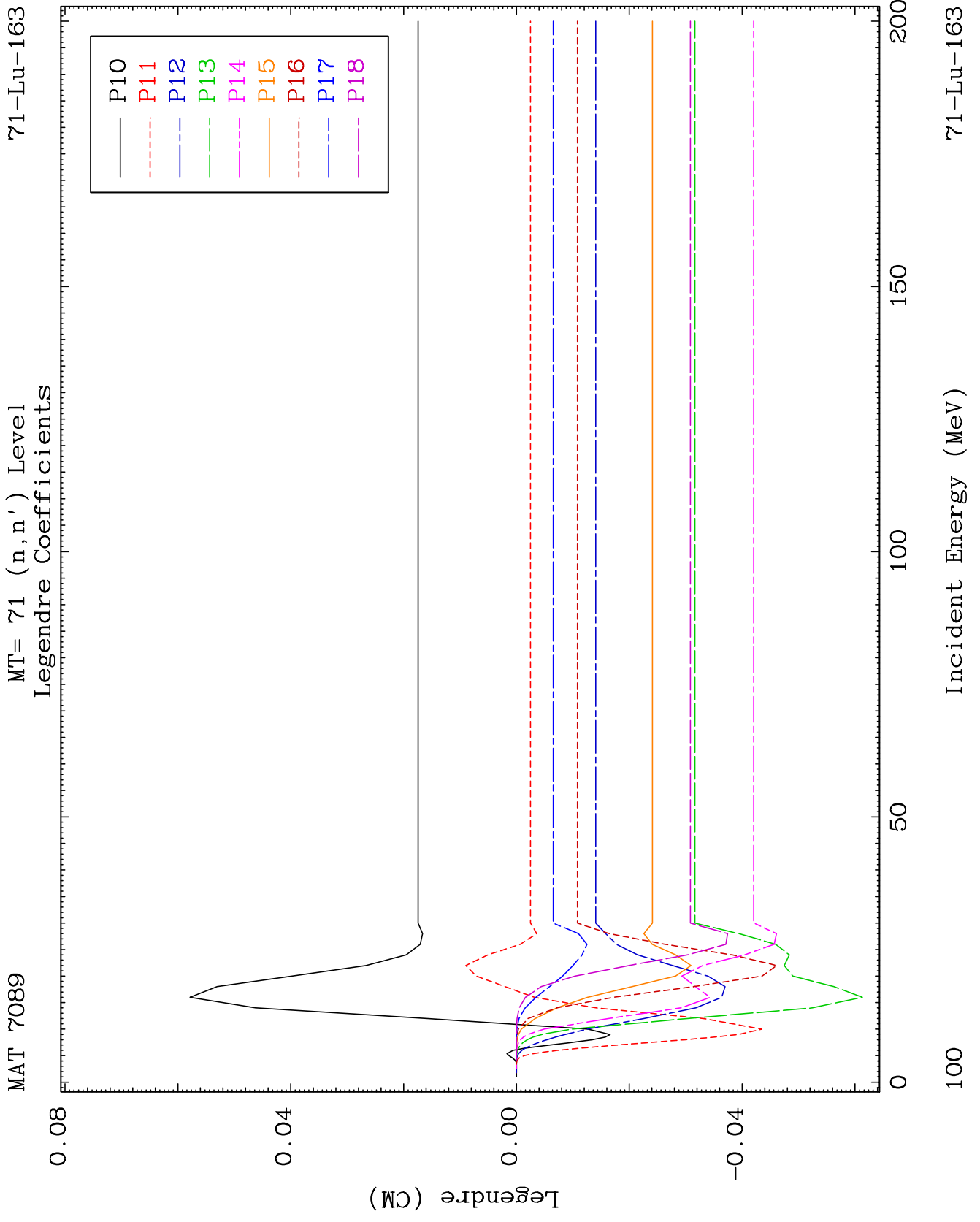
71-Lu-163



99

Incident Energy (MeV)

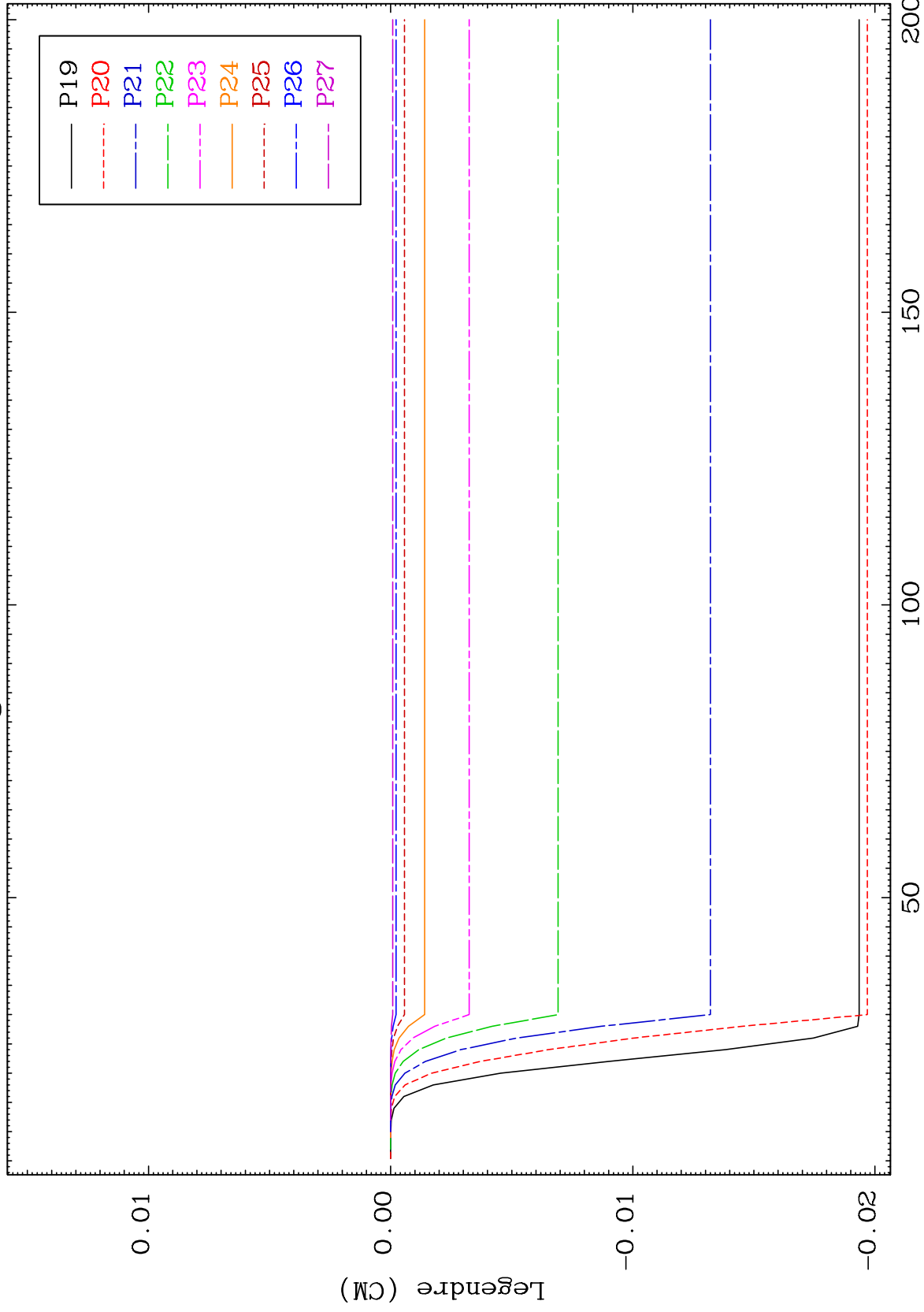
71-Lu-163



MAT 7089

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

71-Lu-163



101

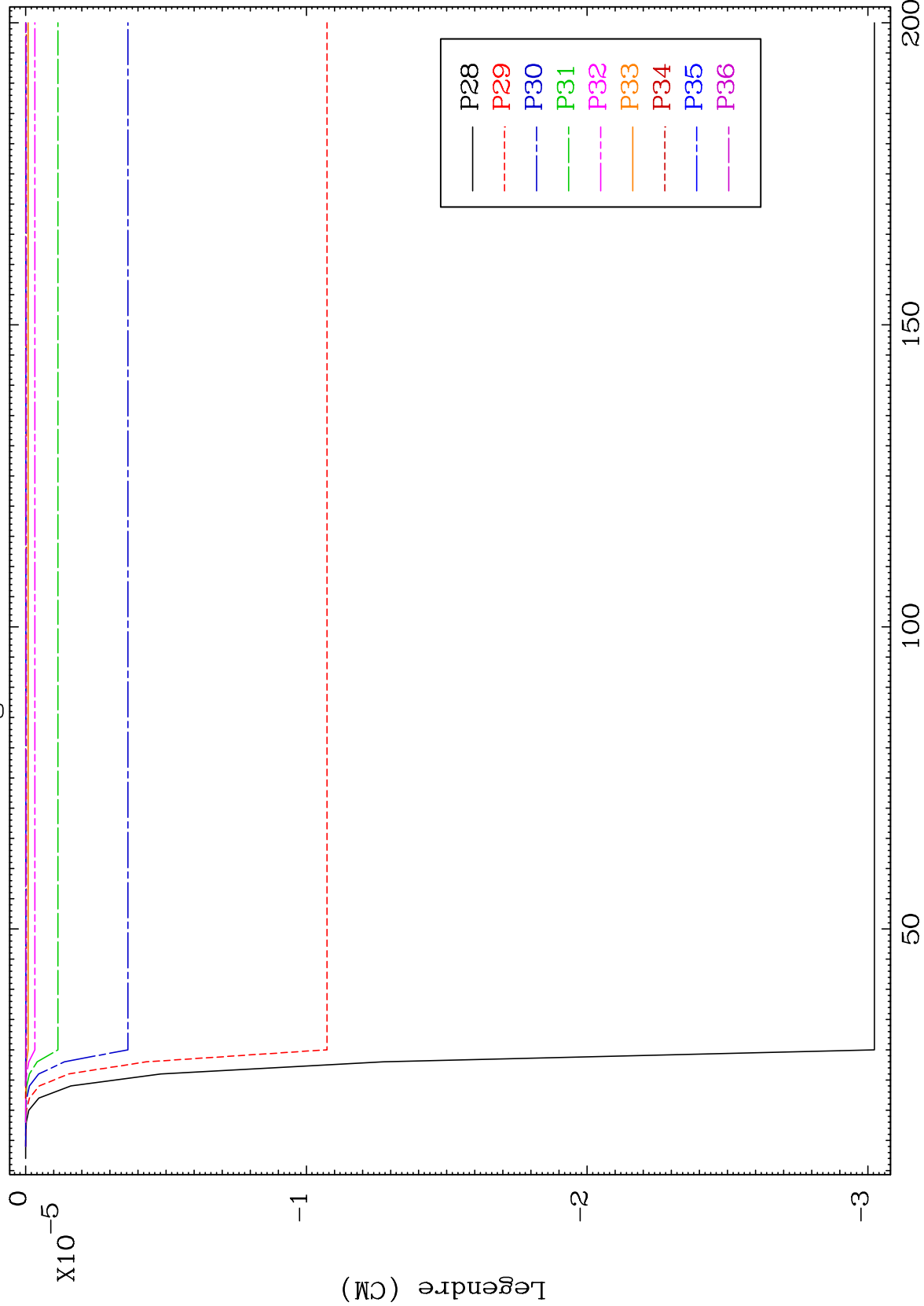
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



71-Lu-163

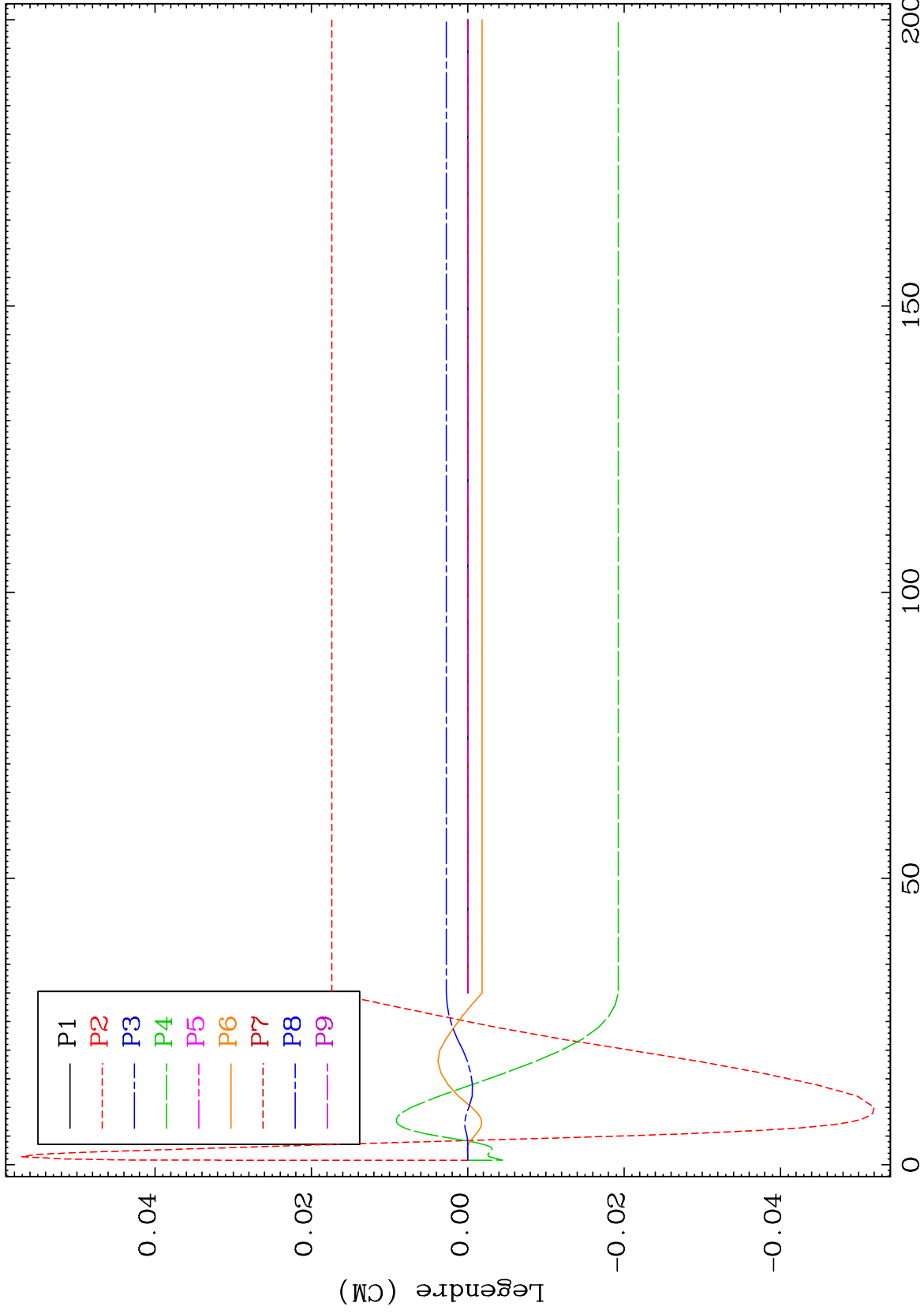
Incident Energy (MeV)

102

MAT 7089

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

71-Lu-163



71-Lu-163

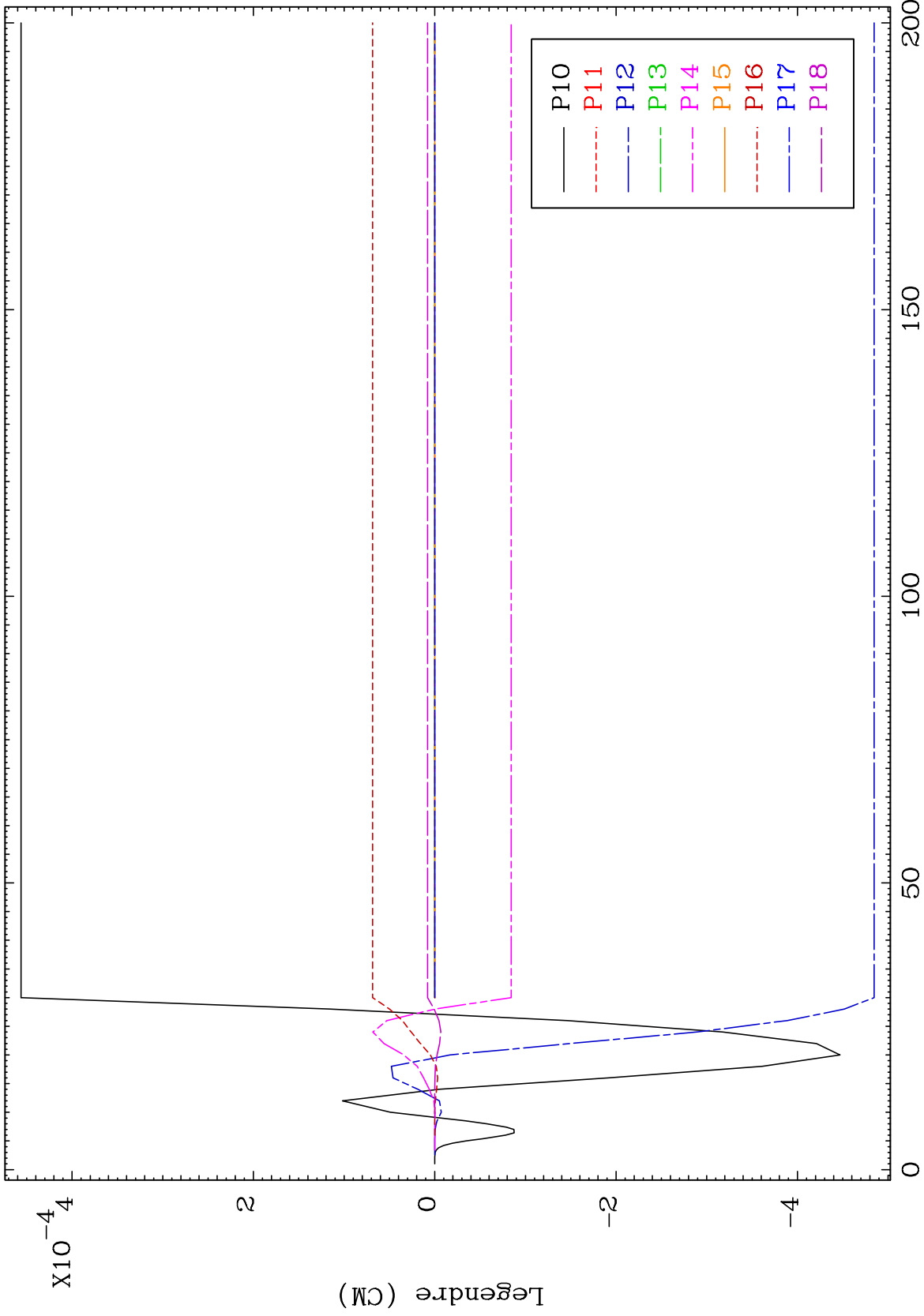
Incident Energy (MeV)

103

MAT 7089

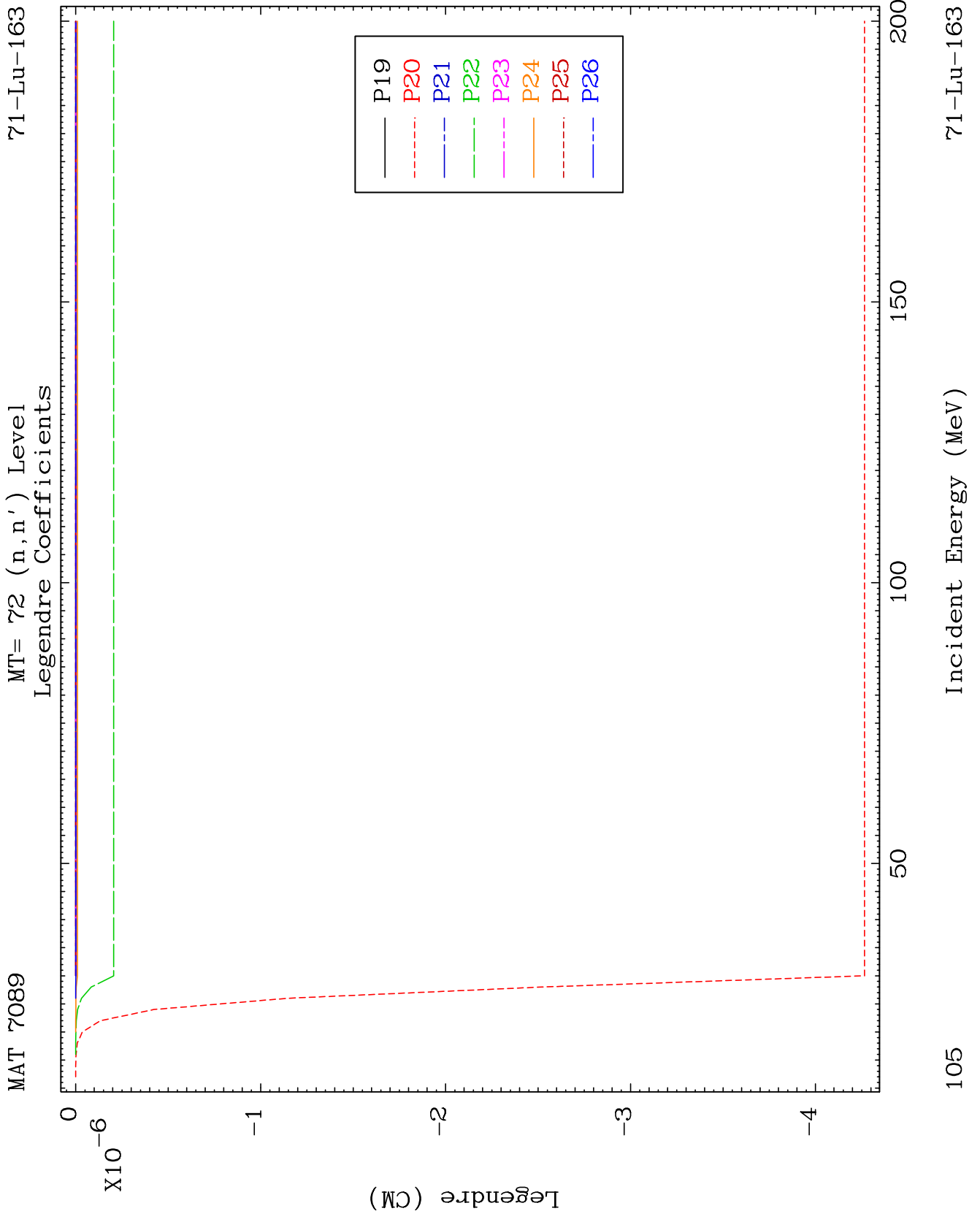
MT= 72 (n,n') Level
Legendre Coefficients

71-Lu-163



104

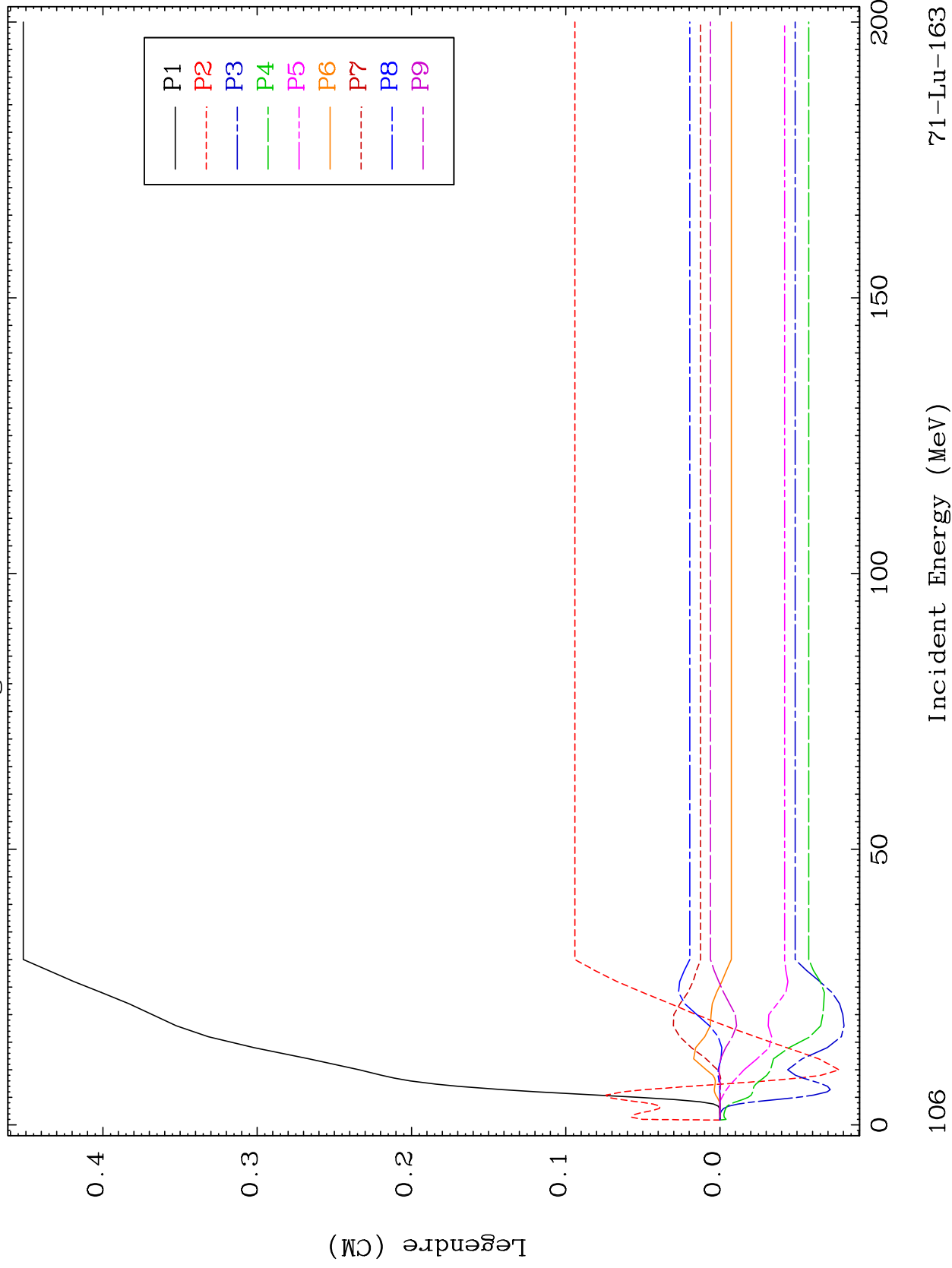
71-Lu-163



MAT 7089

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

71-Lu-163



71-Lu-163

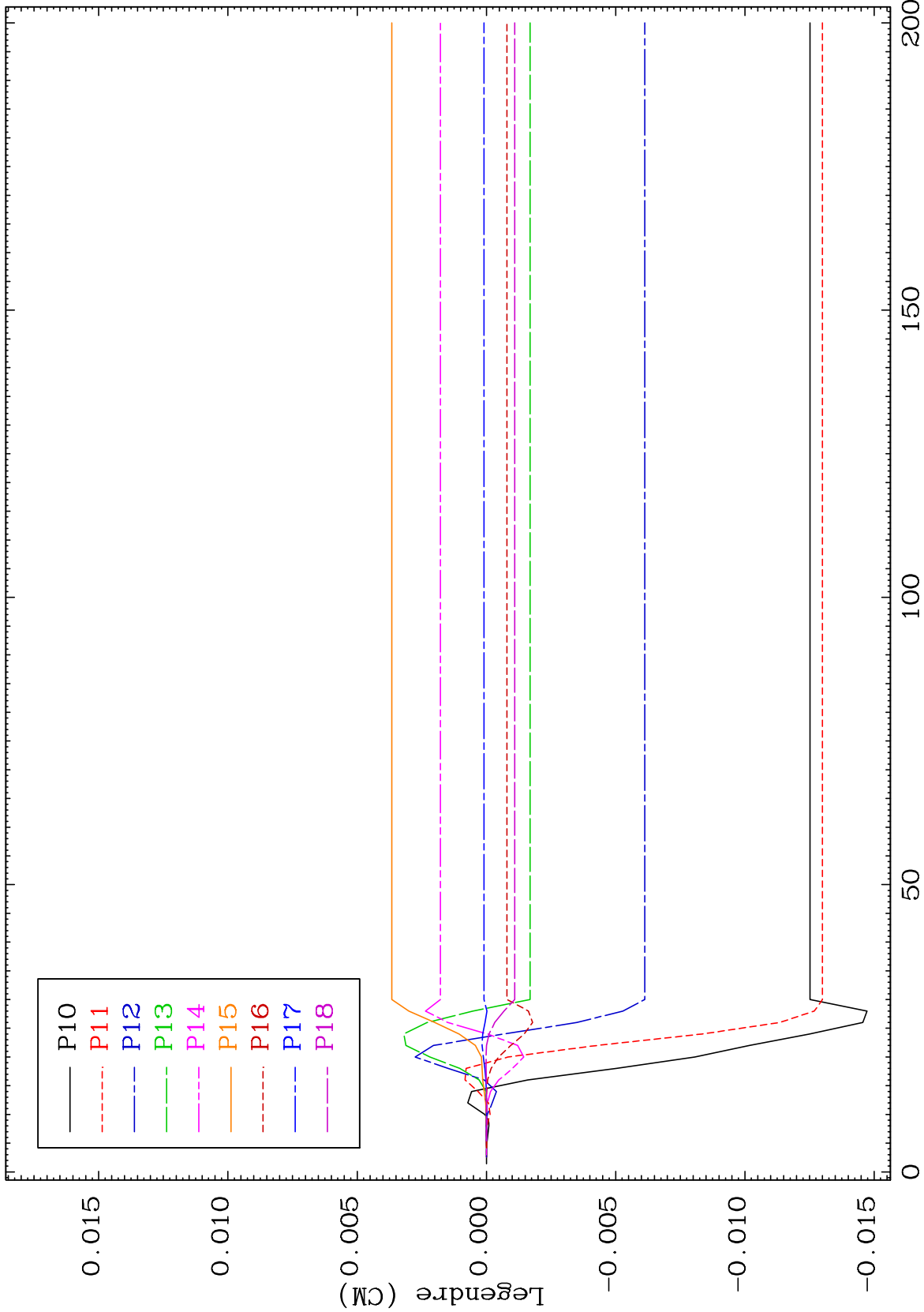
Incident Energy (MeV)

106

MAT 7089

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

71-Lu-163



107

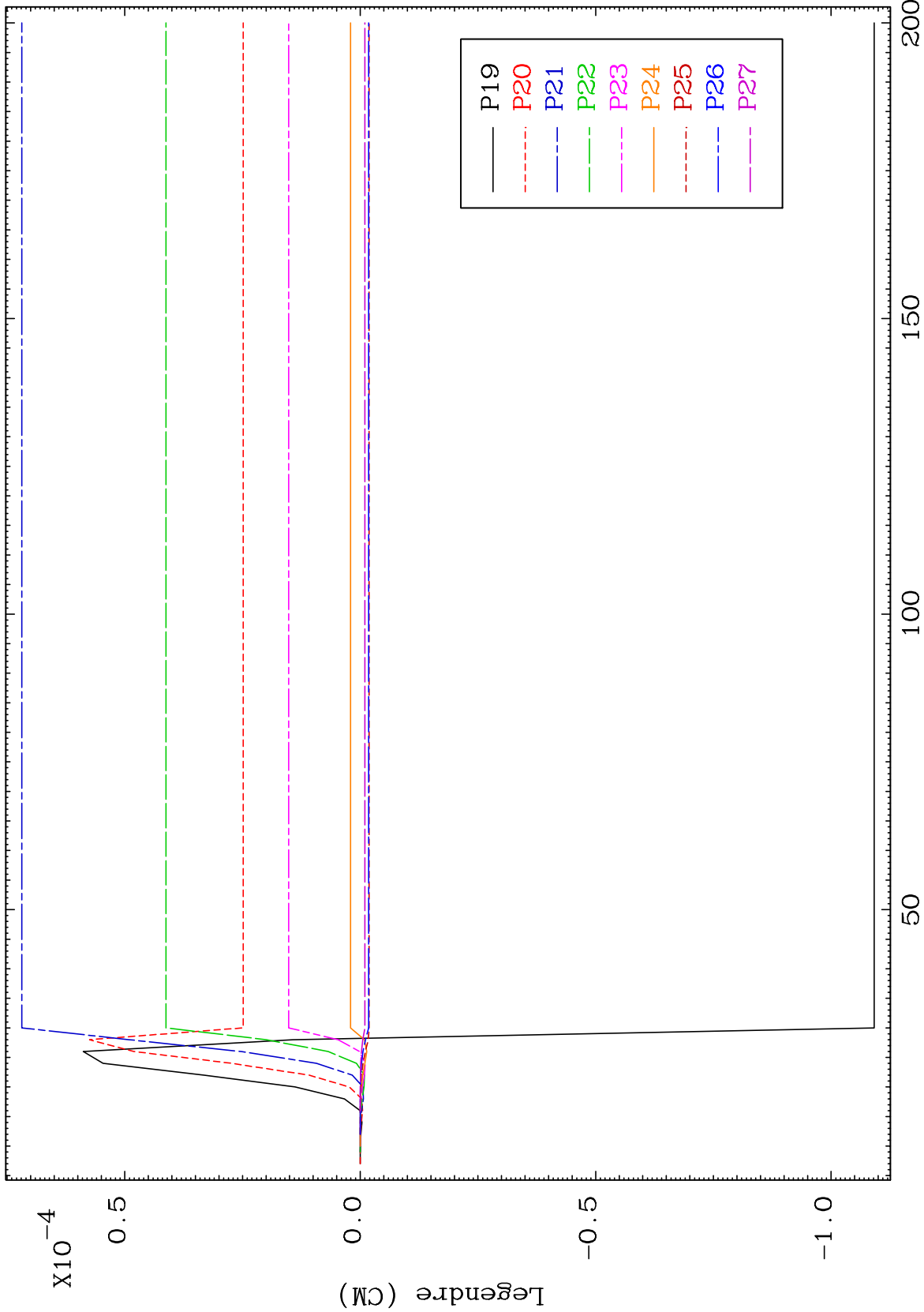
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



108

Incident Energy (MeV)

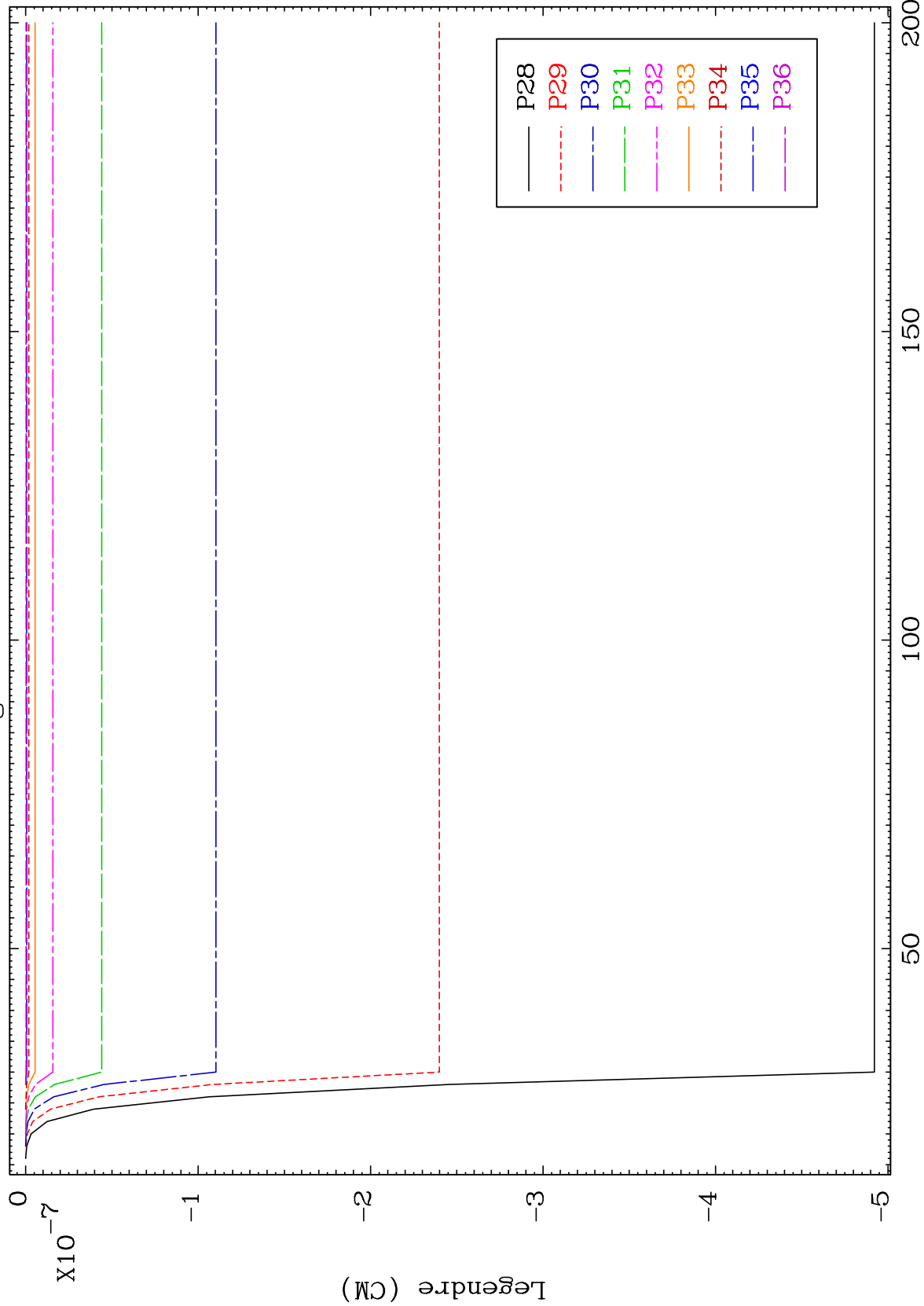
71-Lu-163

MAT 7089

MT= 73 (n,n') Level

71-Lu-163

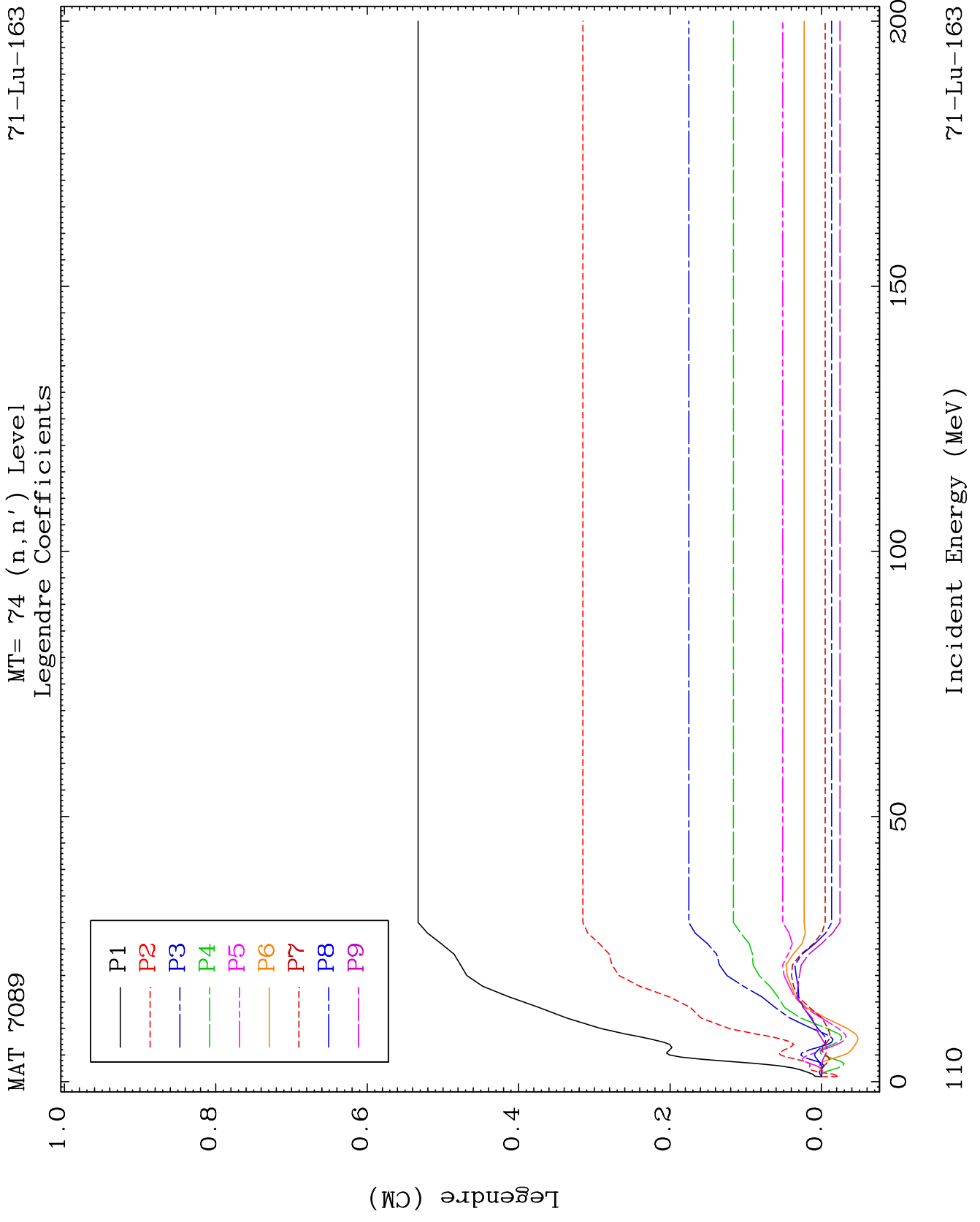
Legendre Coefficients



71-Lu-163

Incident Energy (MeV)

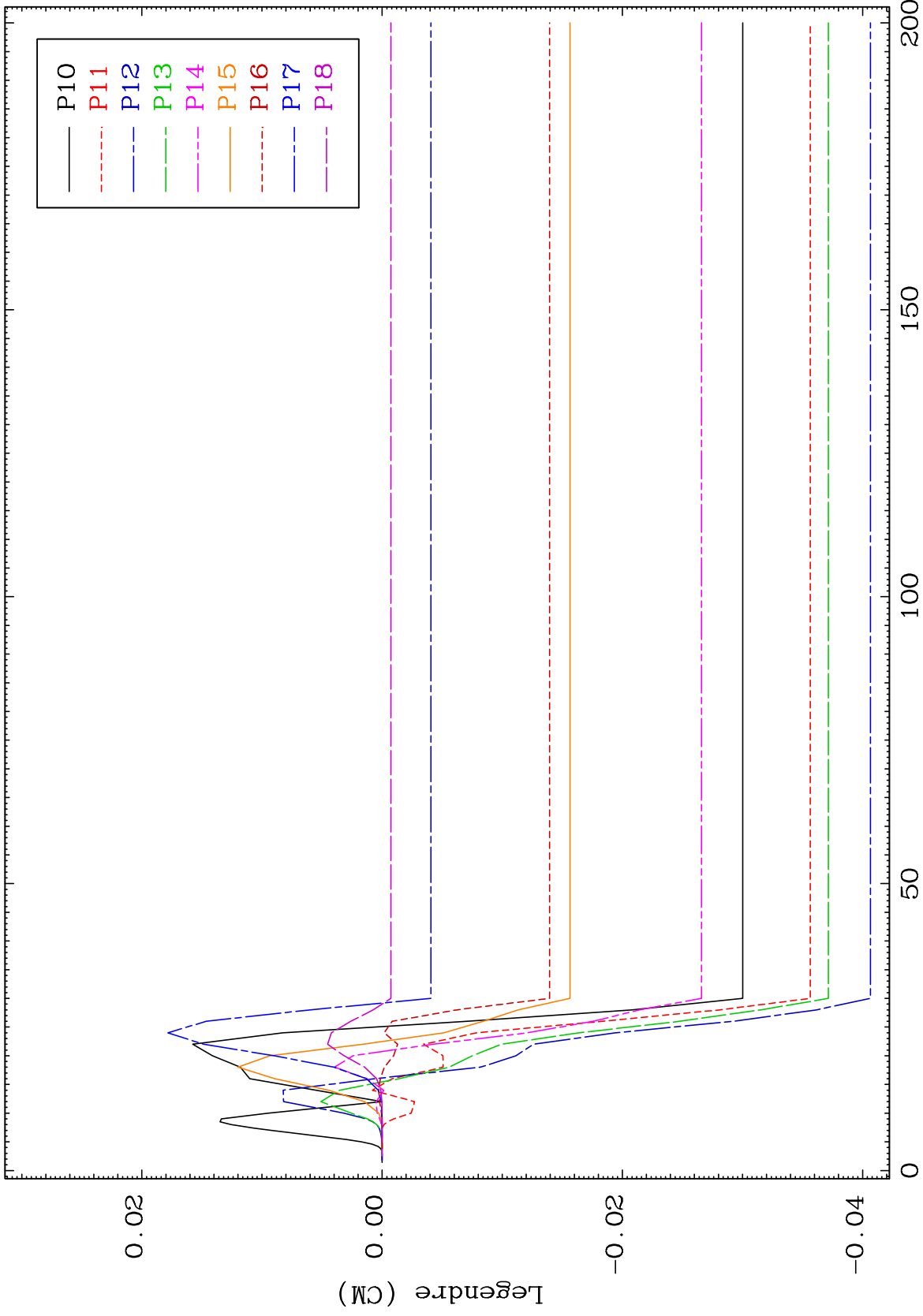
109



MAT 7089

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

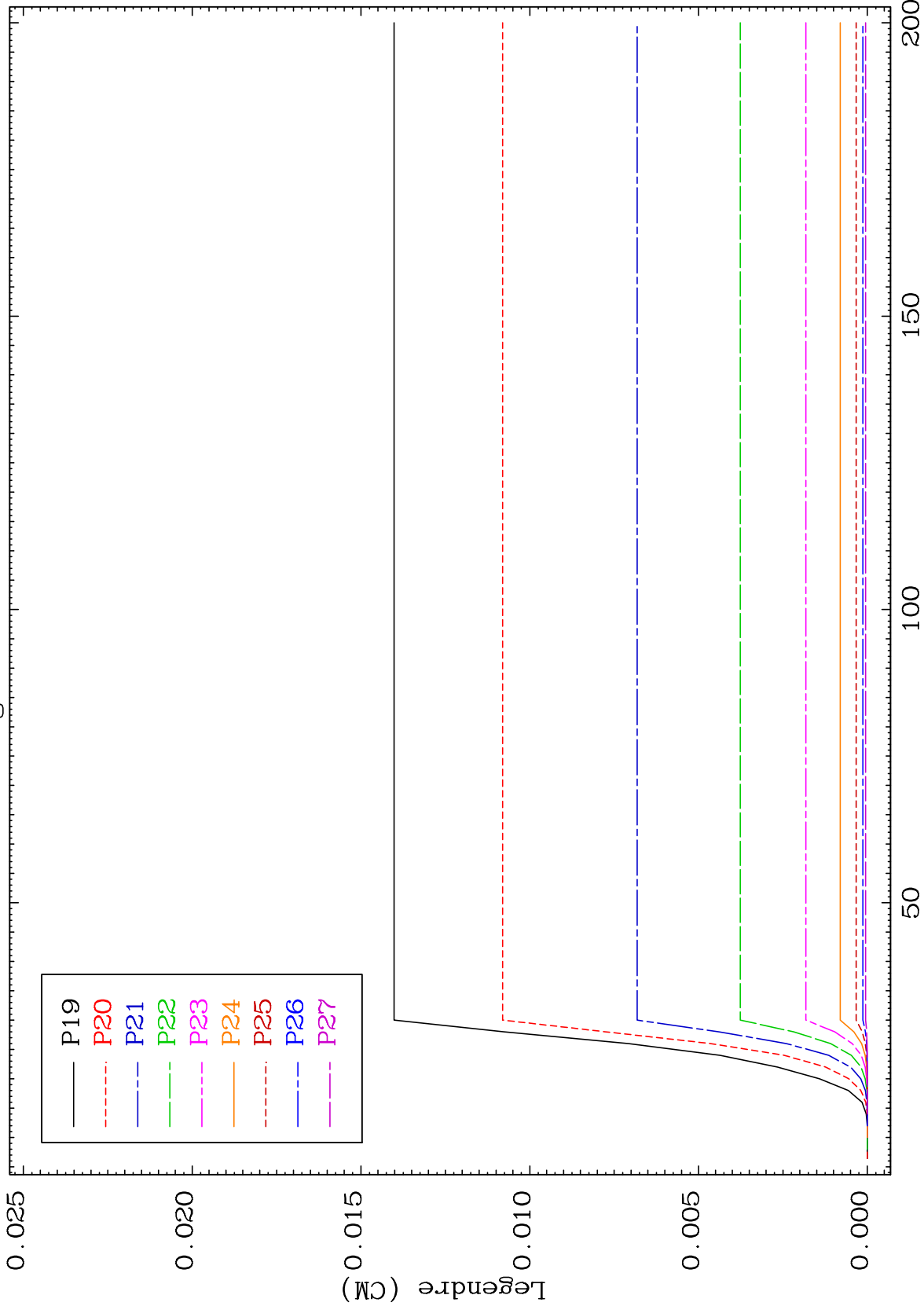
71-Lu-163



111

Incident Energy (MeV)

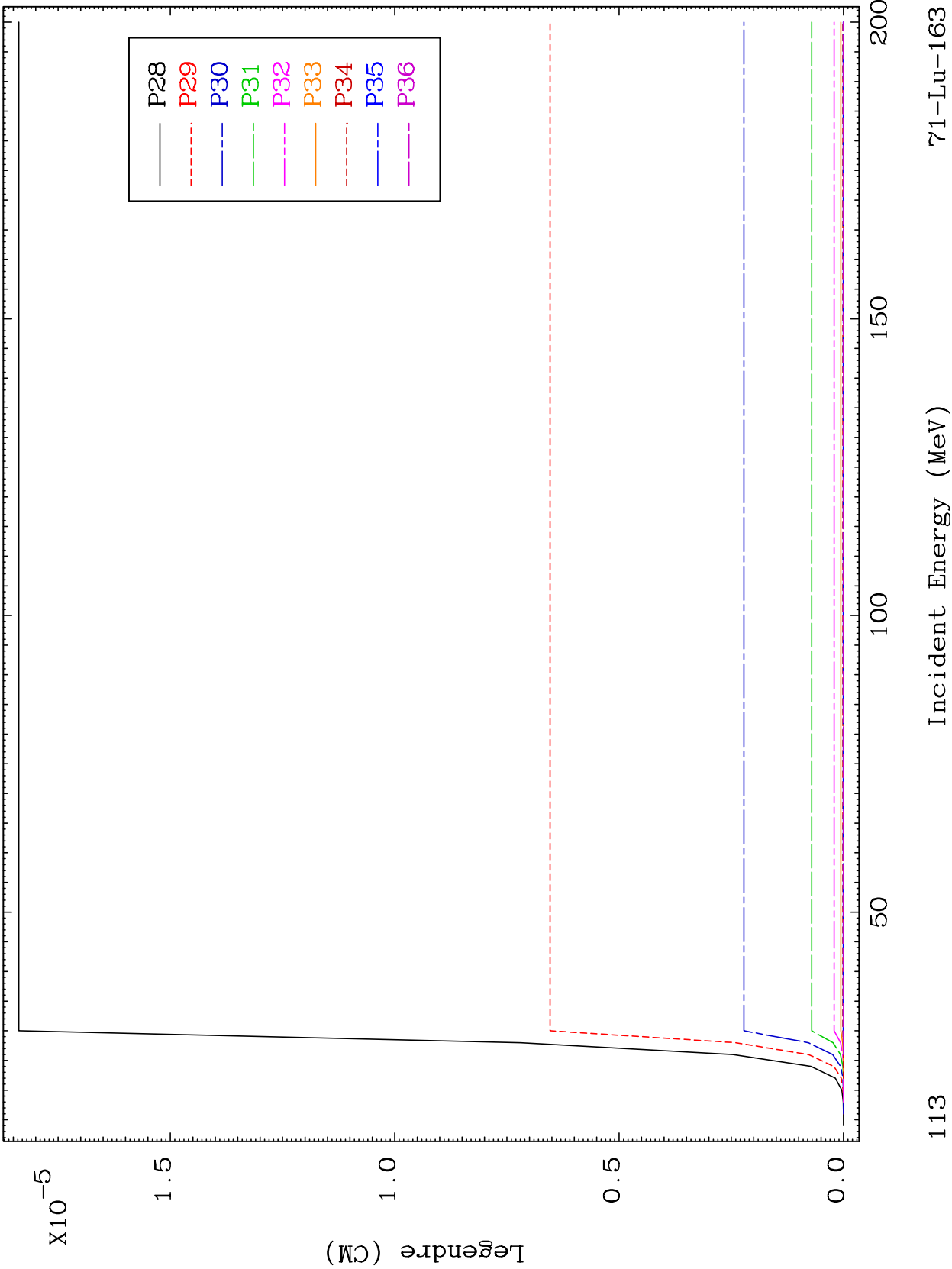
71-Lu-163



MAT 7089

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

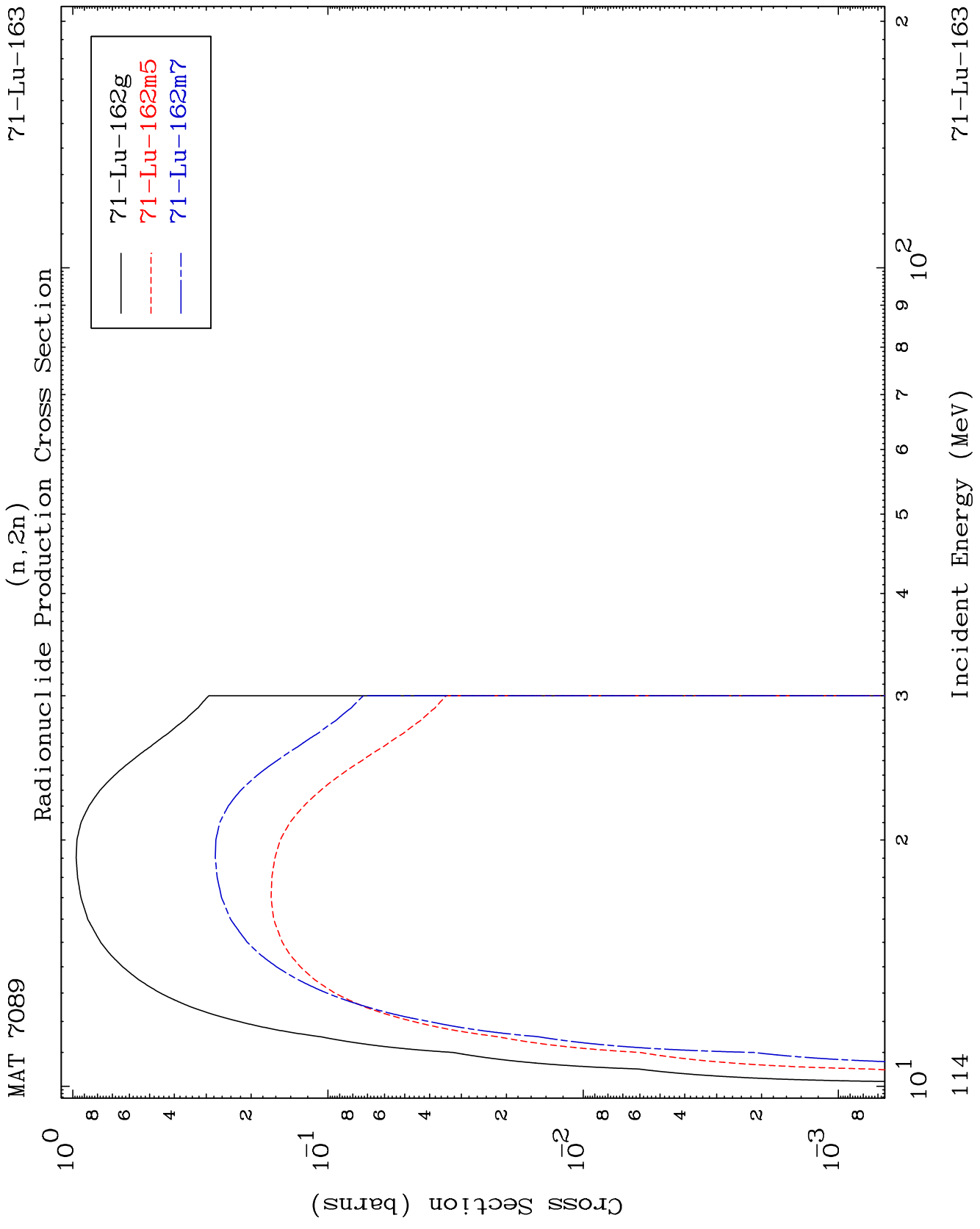
71-Lu-163



113

Incident Energy (MeV)

71-Lu-163

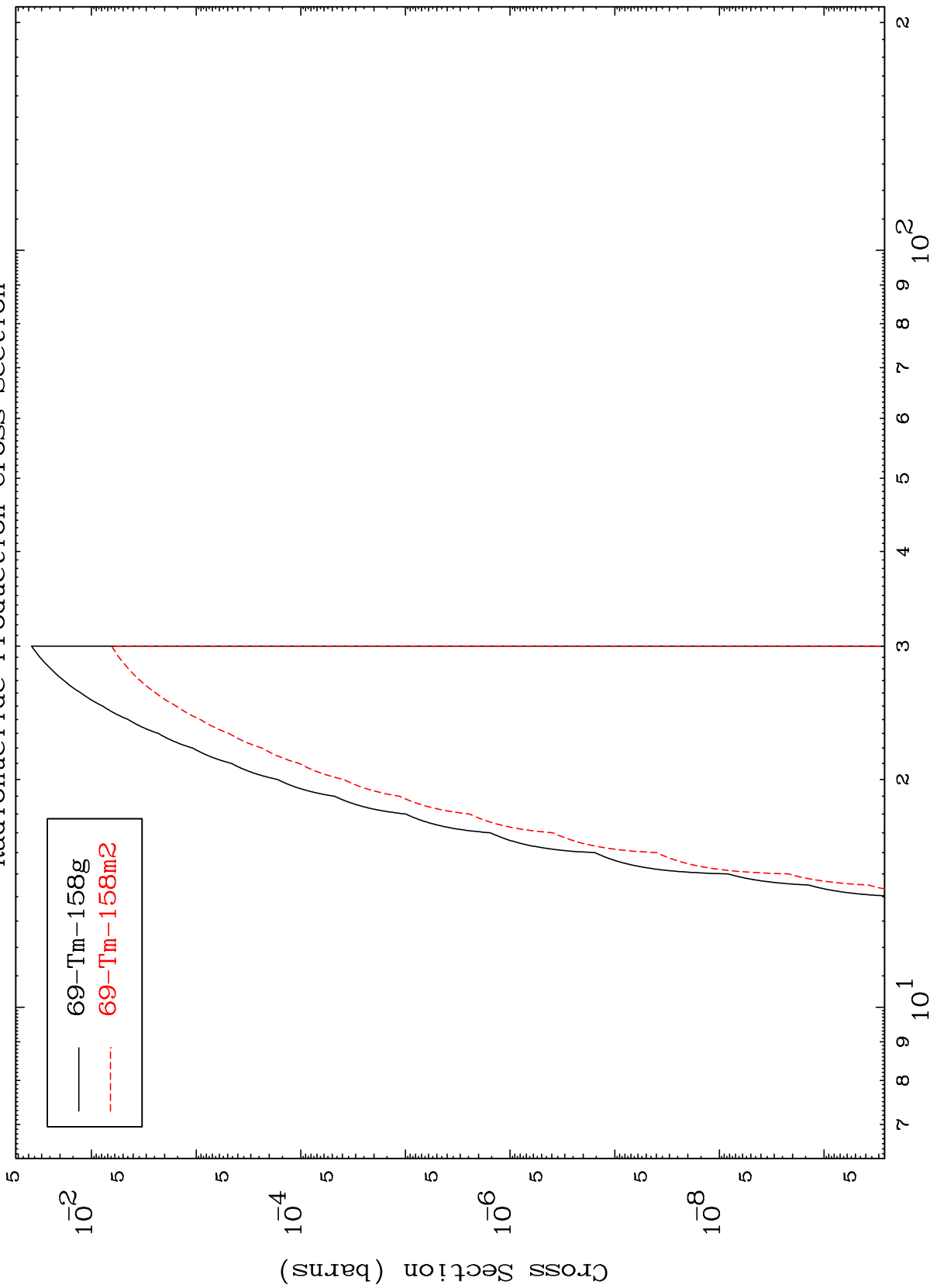


MAT 7089

(n,2n) α

71-Lu-163

Radionuclide Production Cross Section



115

Incident Energy (MeV)

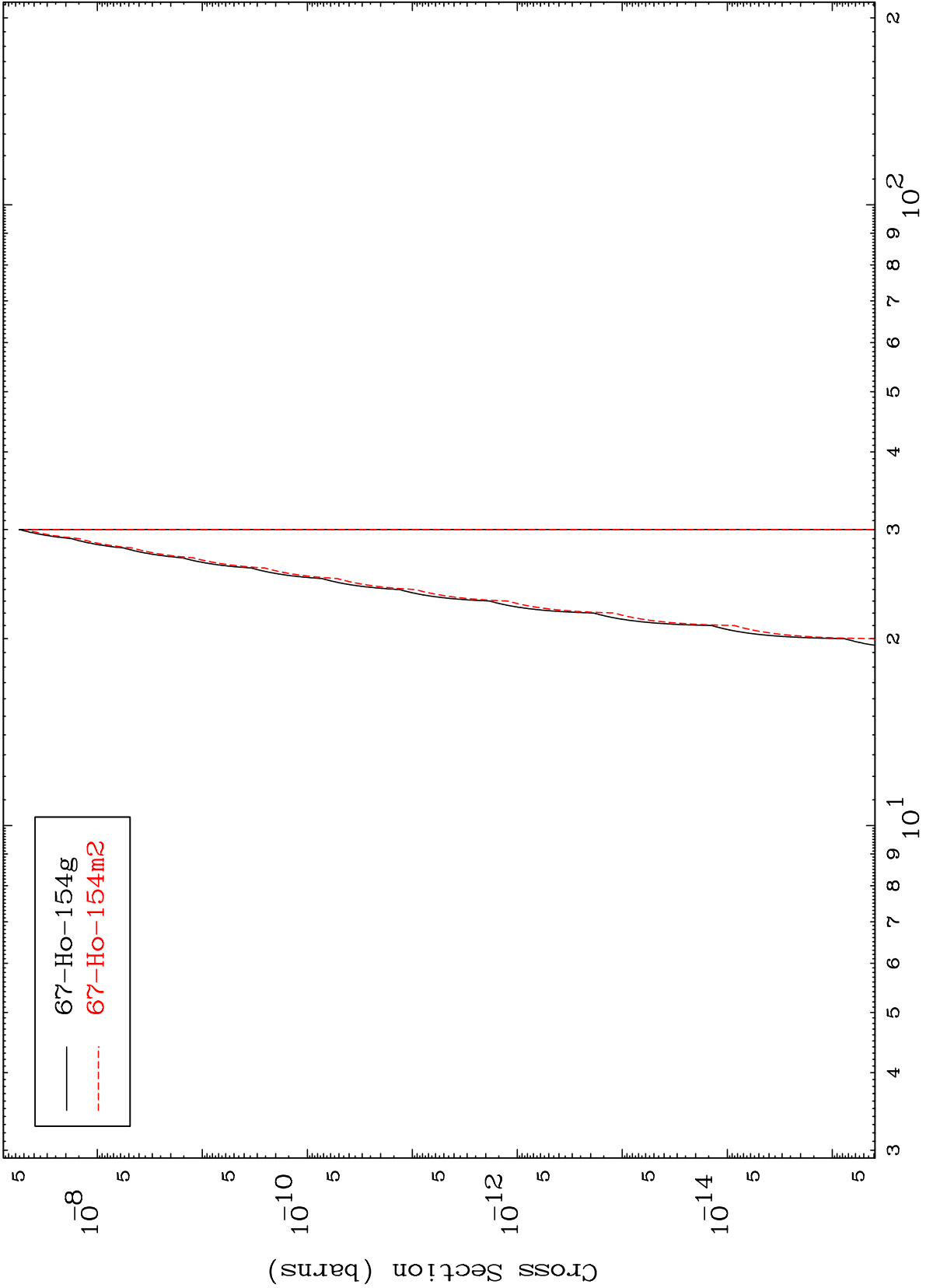
71-Lu-163

MAT 7089

$^{71}\text{Lu-163}$ 2α

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

Radionuclide Production Cross Section



— $^{67}\text{Ho-154g}$
- - - $^{67}\text{Ho-154m2}$

116

Incident Energy (MeV)

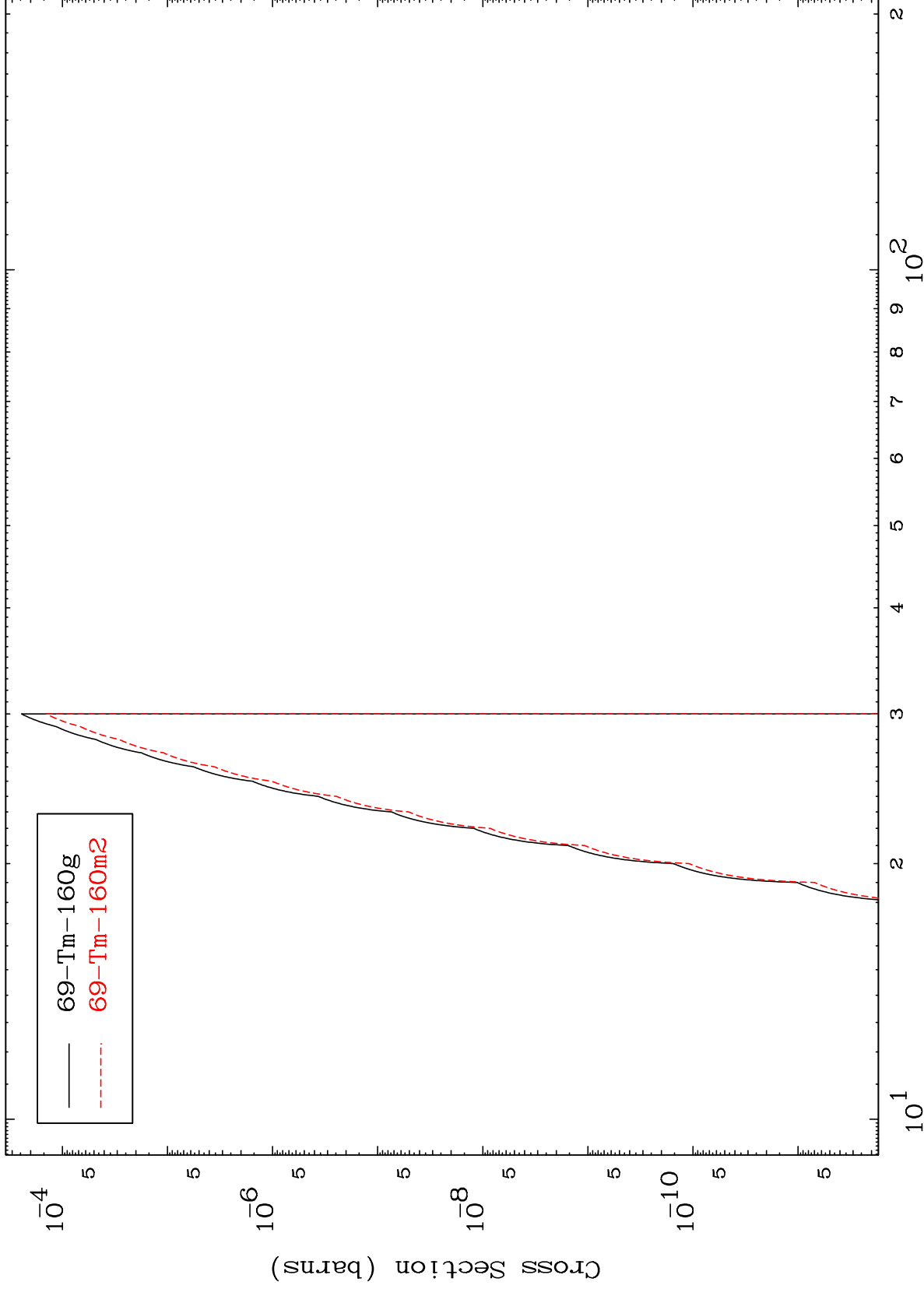
$^{71}\text{Lu-163}$

MAT 7089

(n,n') He-3

71-Lu-163

Radionuclide Production Cross Section



117

Incident Energy (MeV)

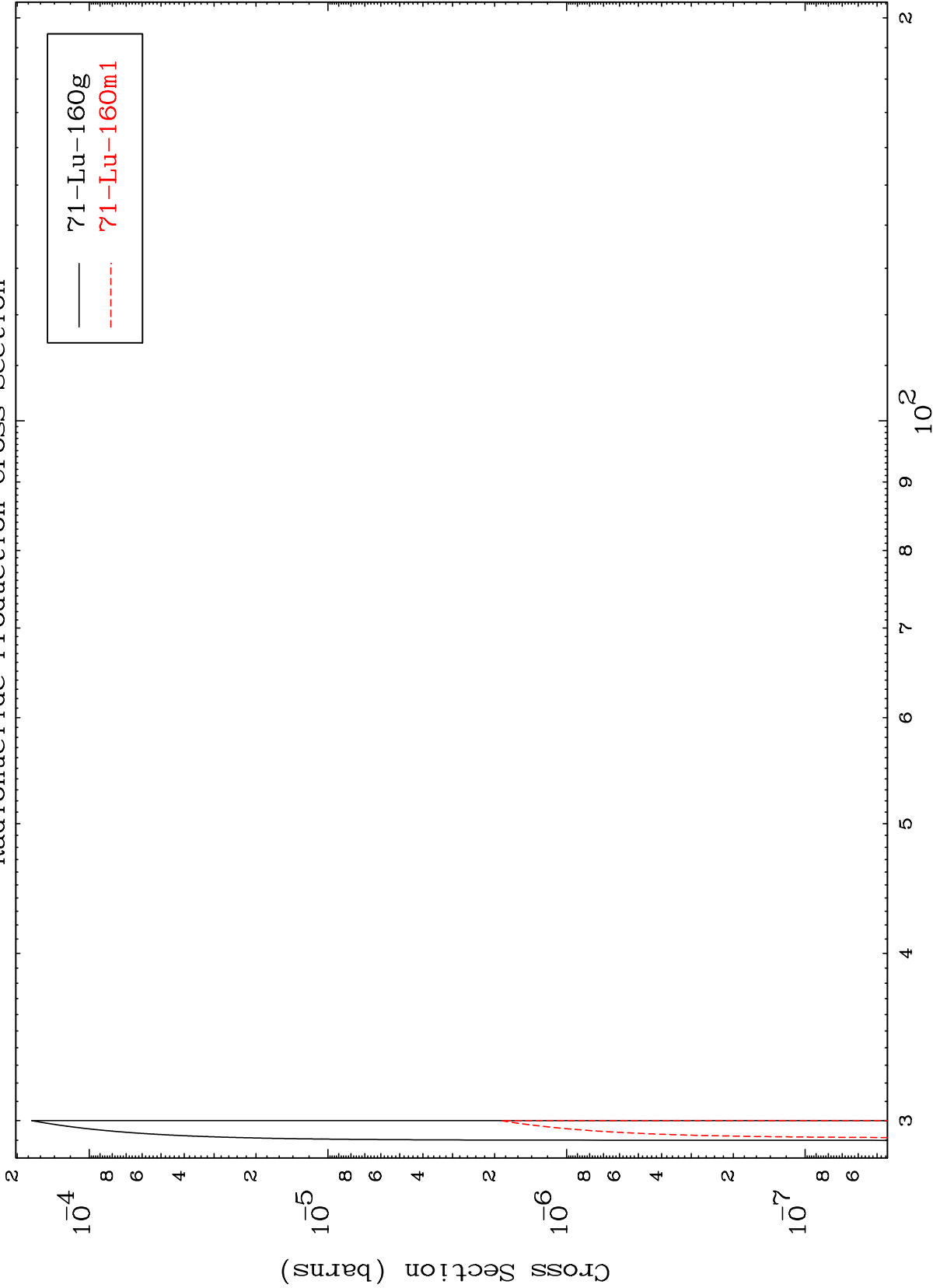
71-Lu-163

MAT 7089

(n,4n)

71-Lu-163

Radionuclide Production Cross Section



118

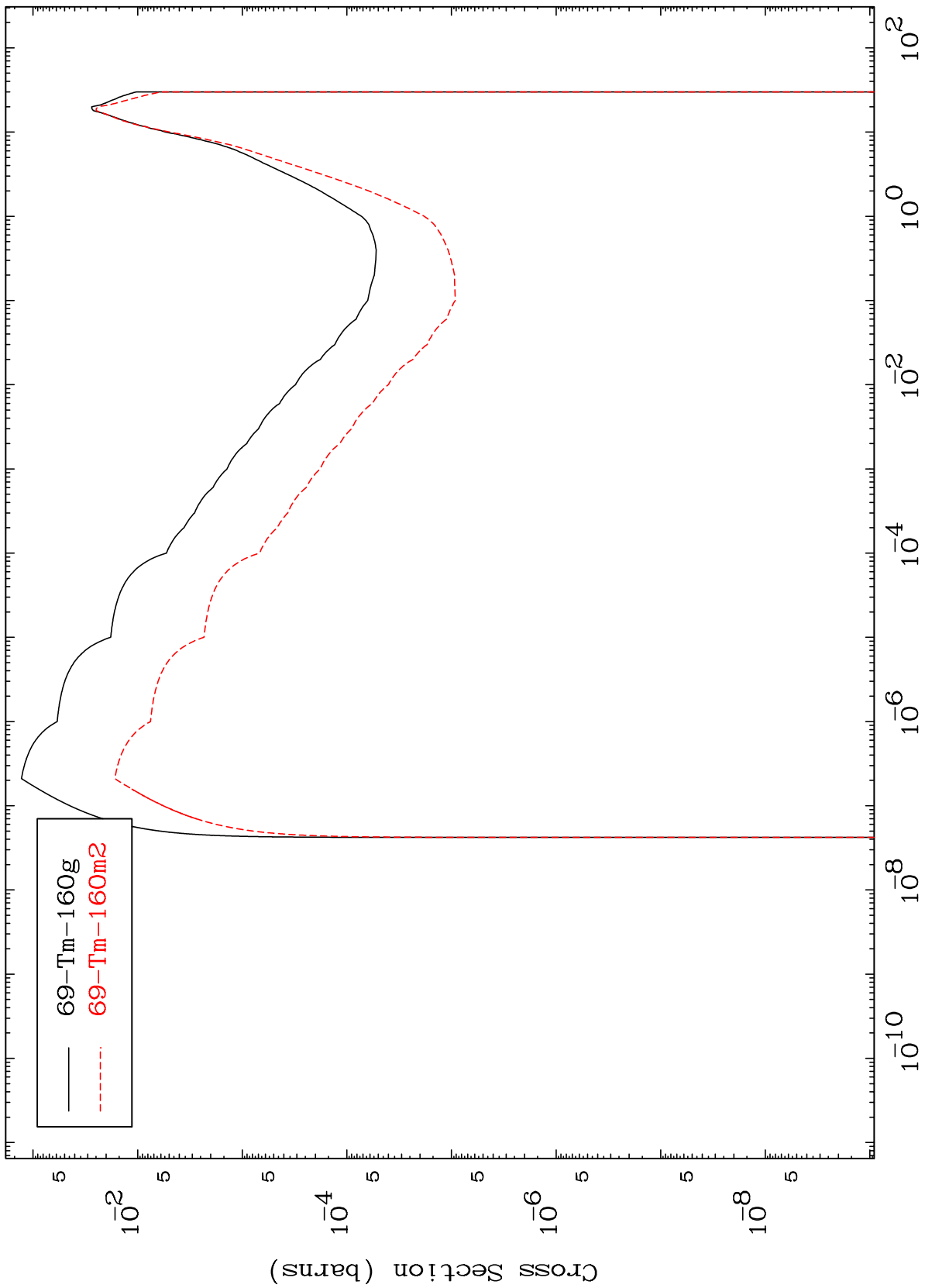
Incident Energy (MeV)

71-Lu-163

MAT 7089

71-Lu-163

Radionuclide Production Cross Section (n,α)



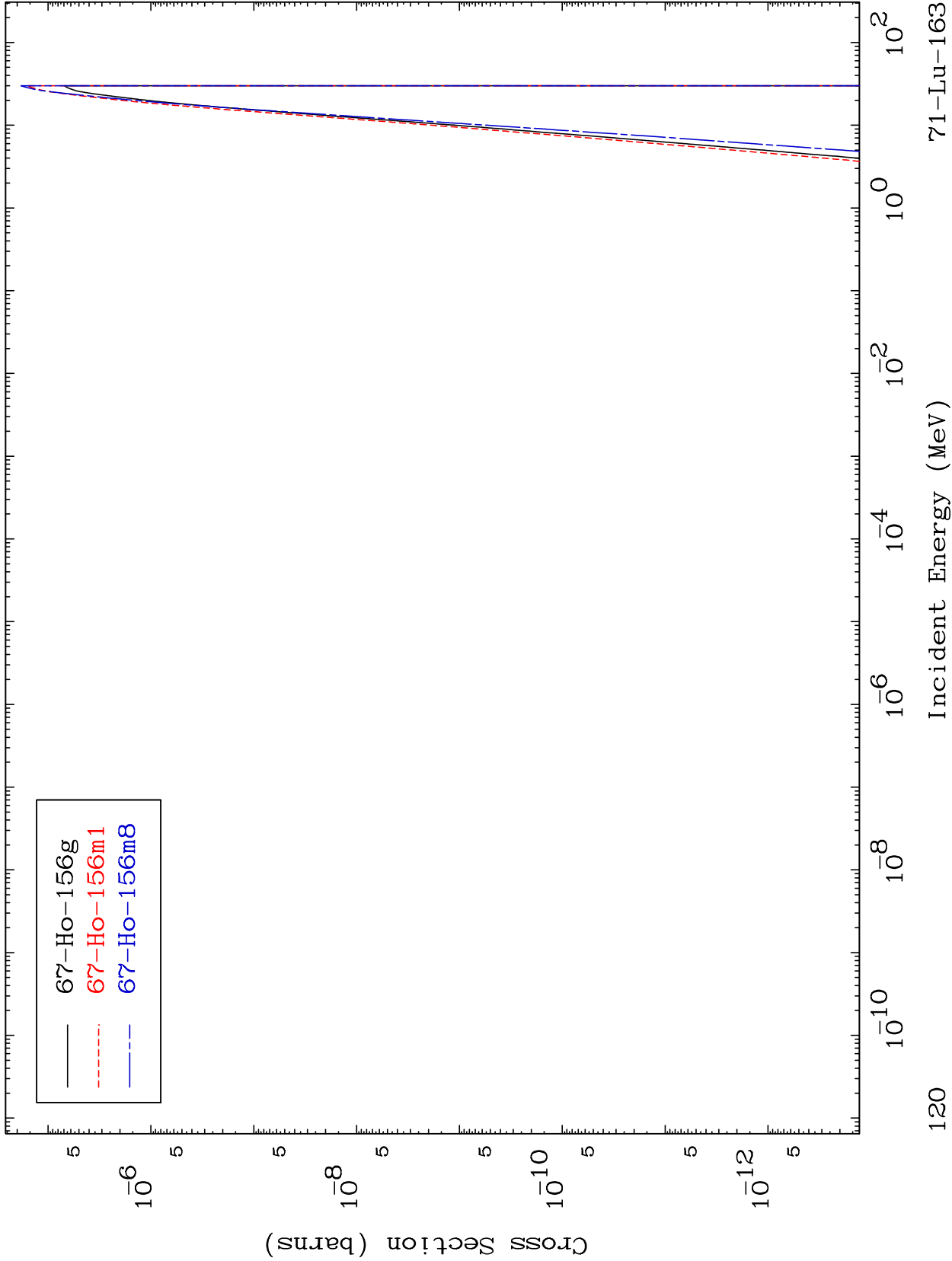
69-Tm-160g
69-Tm-160m2

MAT 7089

(n,2α)

71-Lu-163

Radionuclide Production Cross Section



120

Incident Energy (MeV)

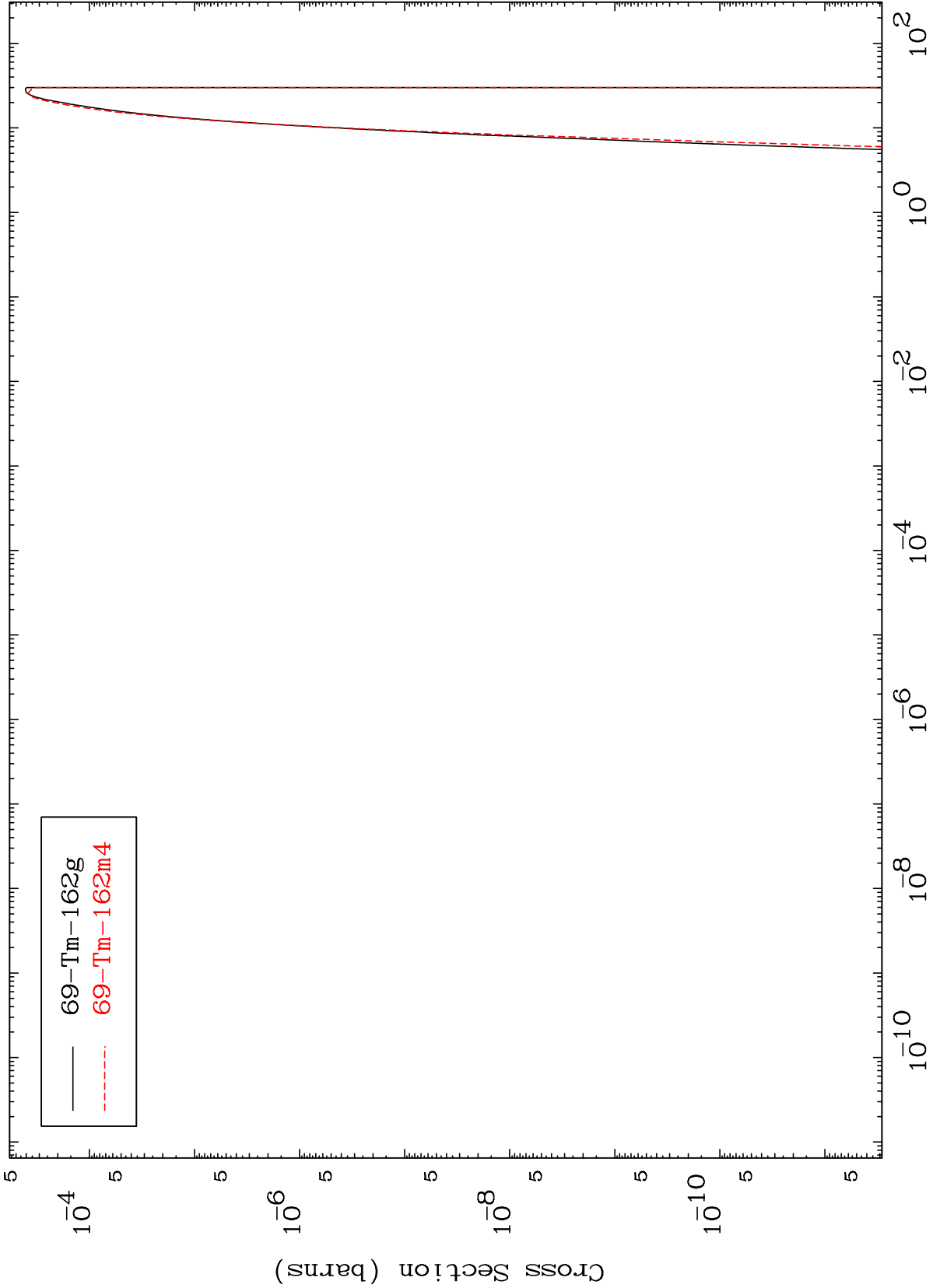
71-Lu-163

MAT 7089

(n,2p)

71-Lu-163

Radionuclide Production Cross Section



69-Tm-162g
69-Tm-162m4

121

Incident Energy (MeV)

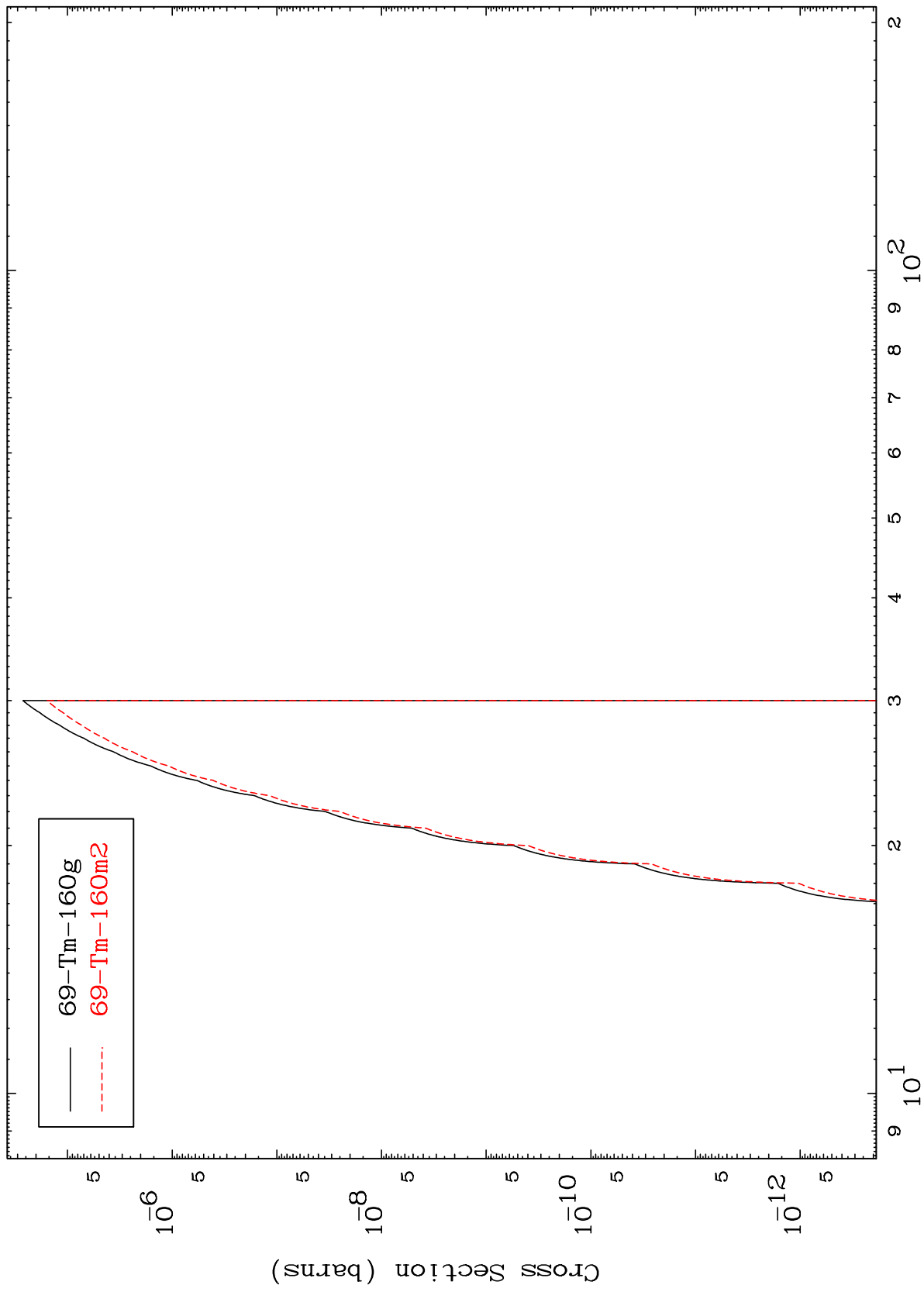
71-Lu-163

MAT 7089

(n,p) t

71-Lu-163

Radionuclide Production Cross Section



122

Incident Energy (MeV)

71-Lu-163