

Program EVALPLOT
(Version 2021-1)

by

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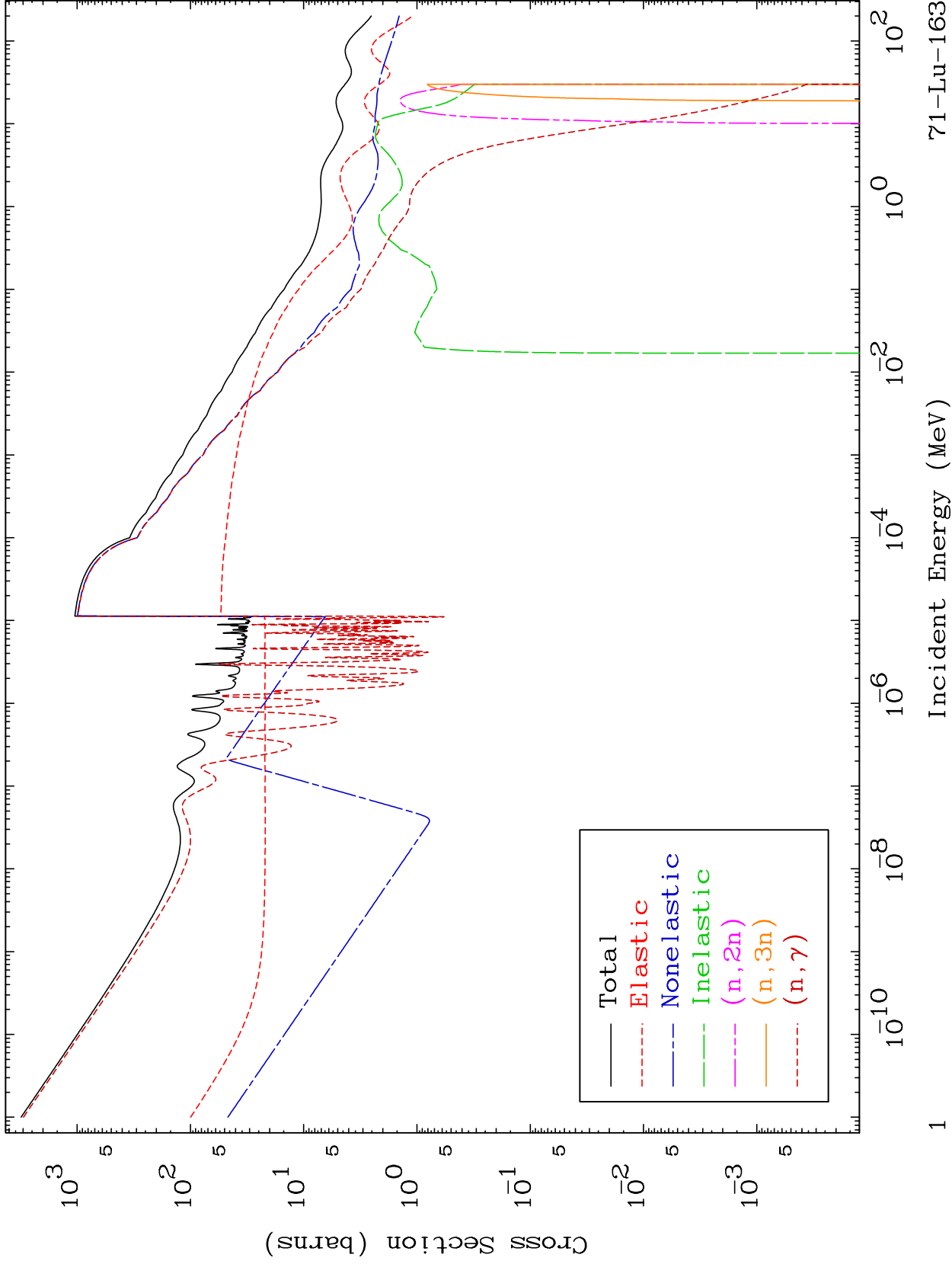
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7089

Neutron Major
293 Kelvin Cross Sections

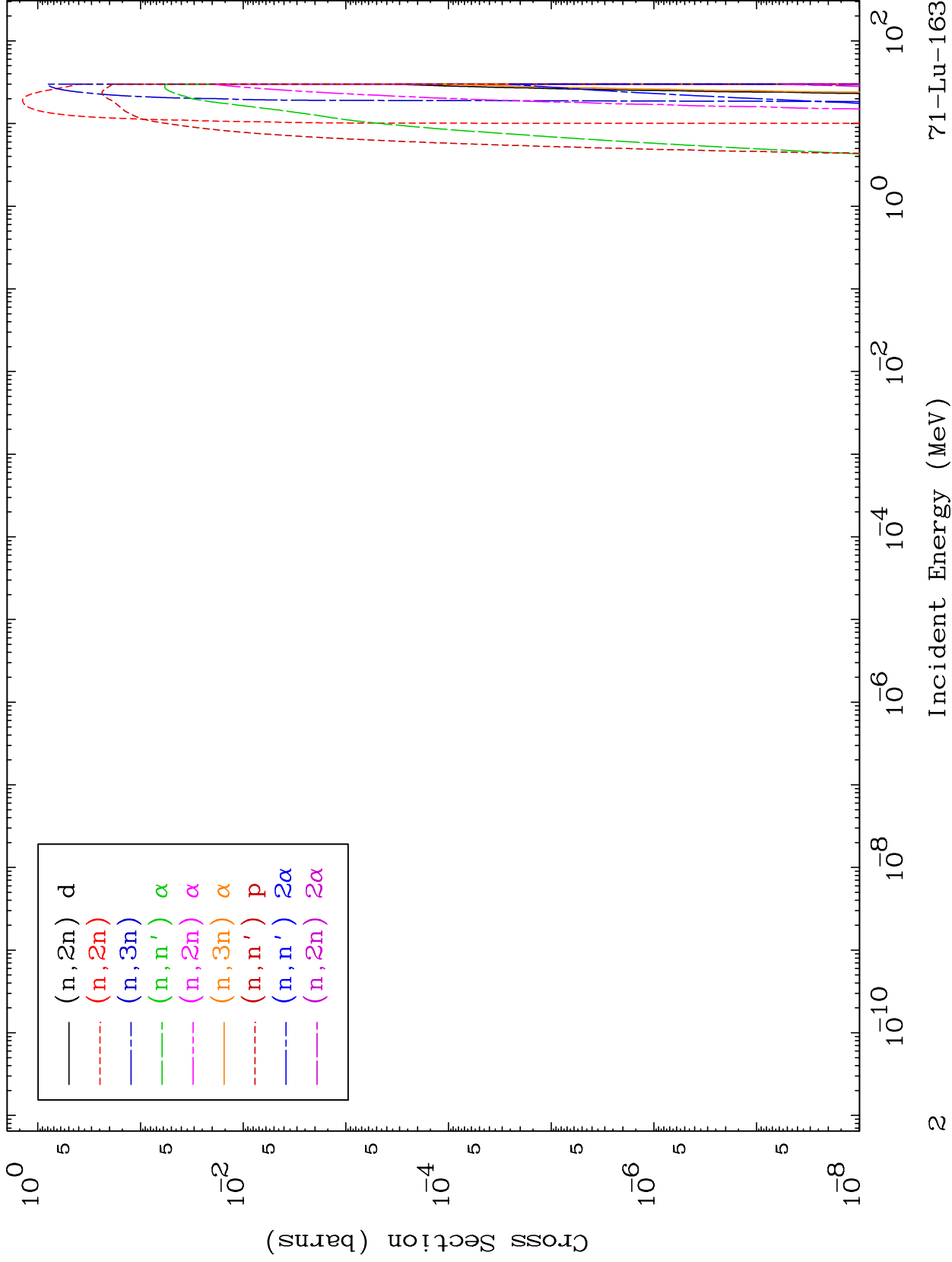
71-Lu-163

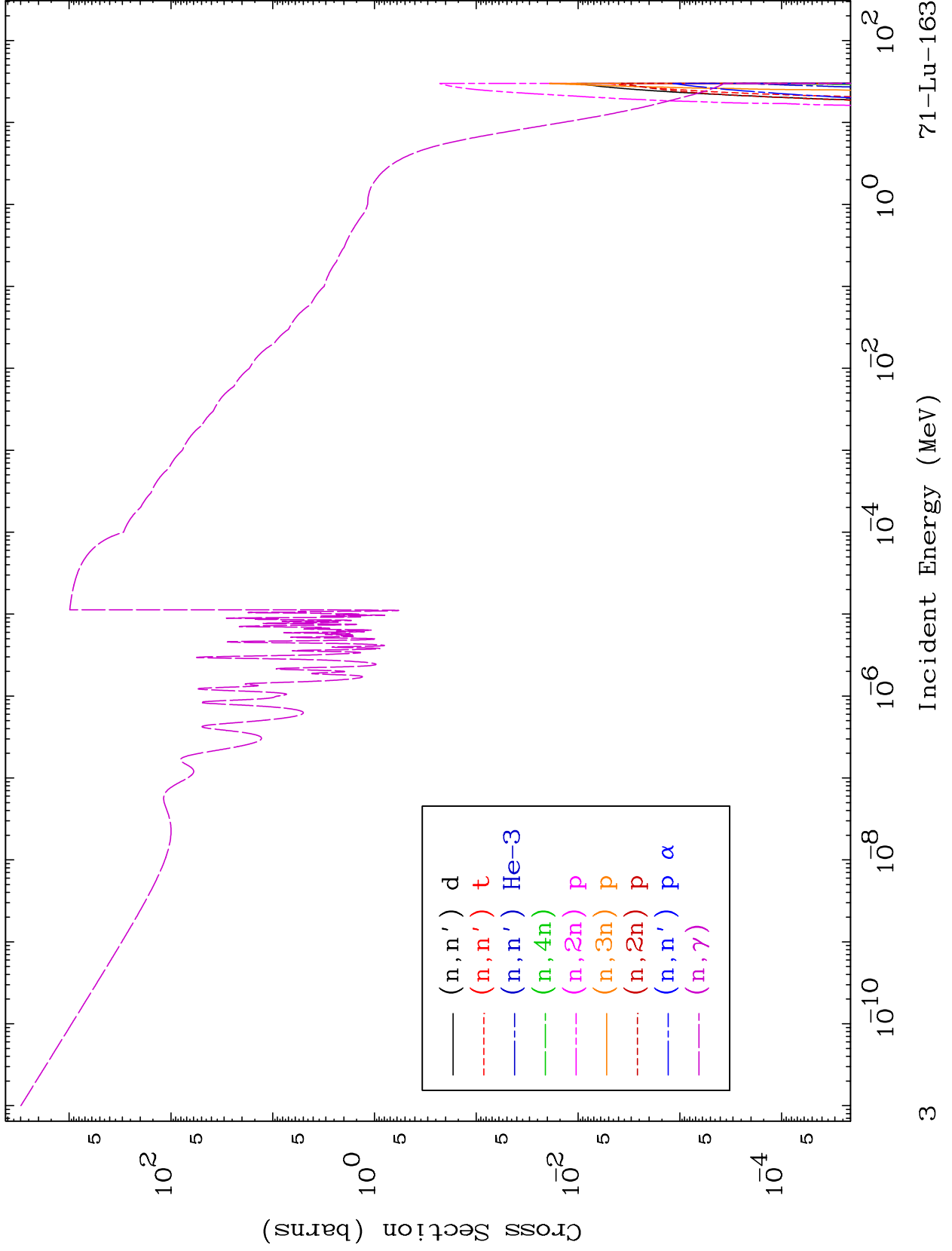


MAT 7089

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-163

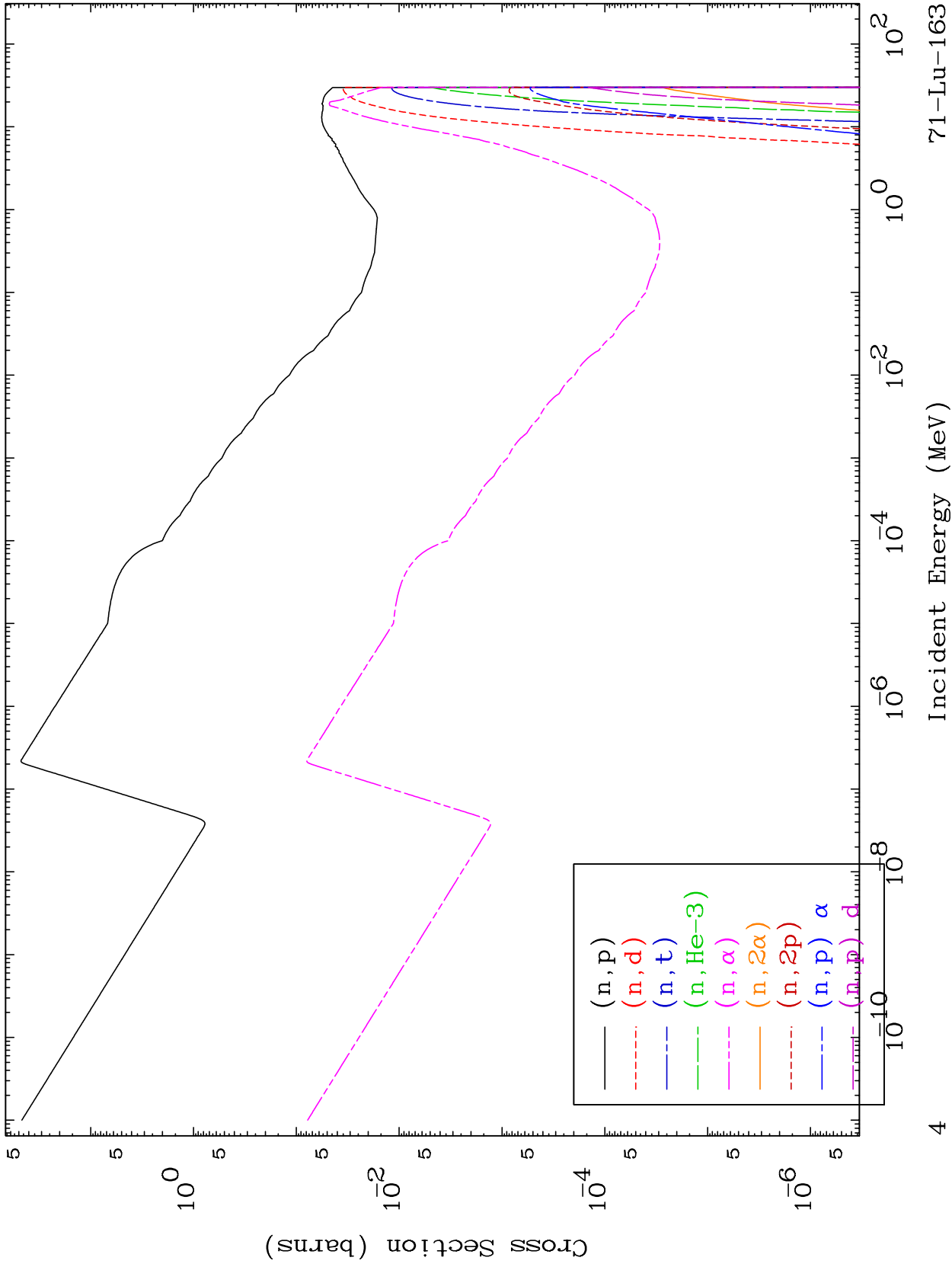


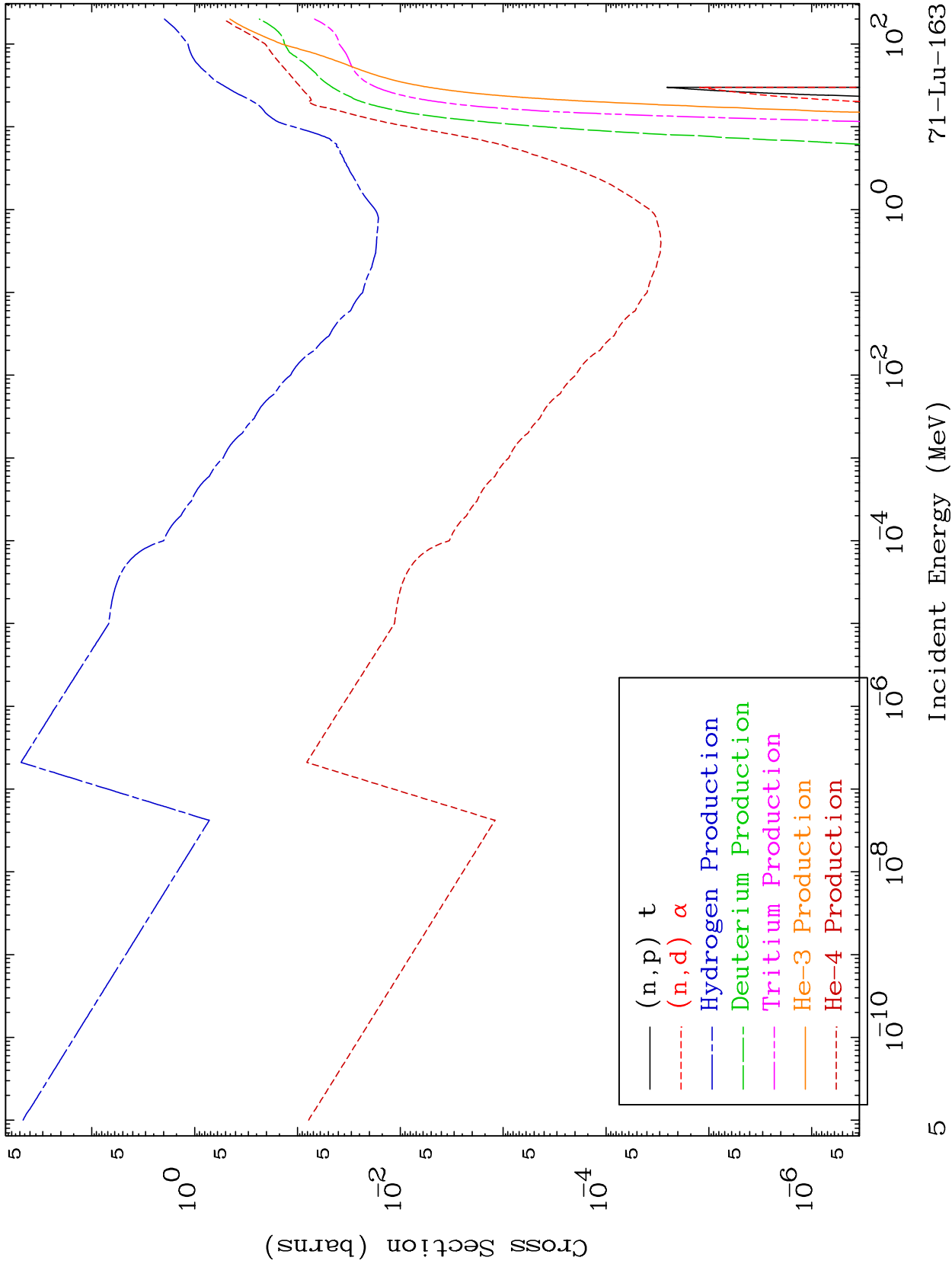


MAT 7089

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-163

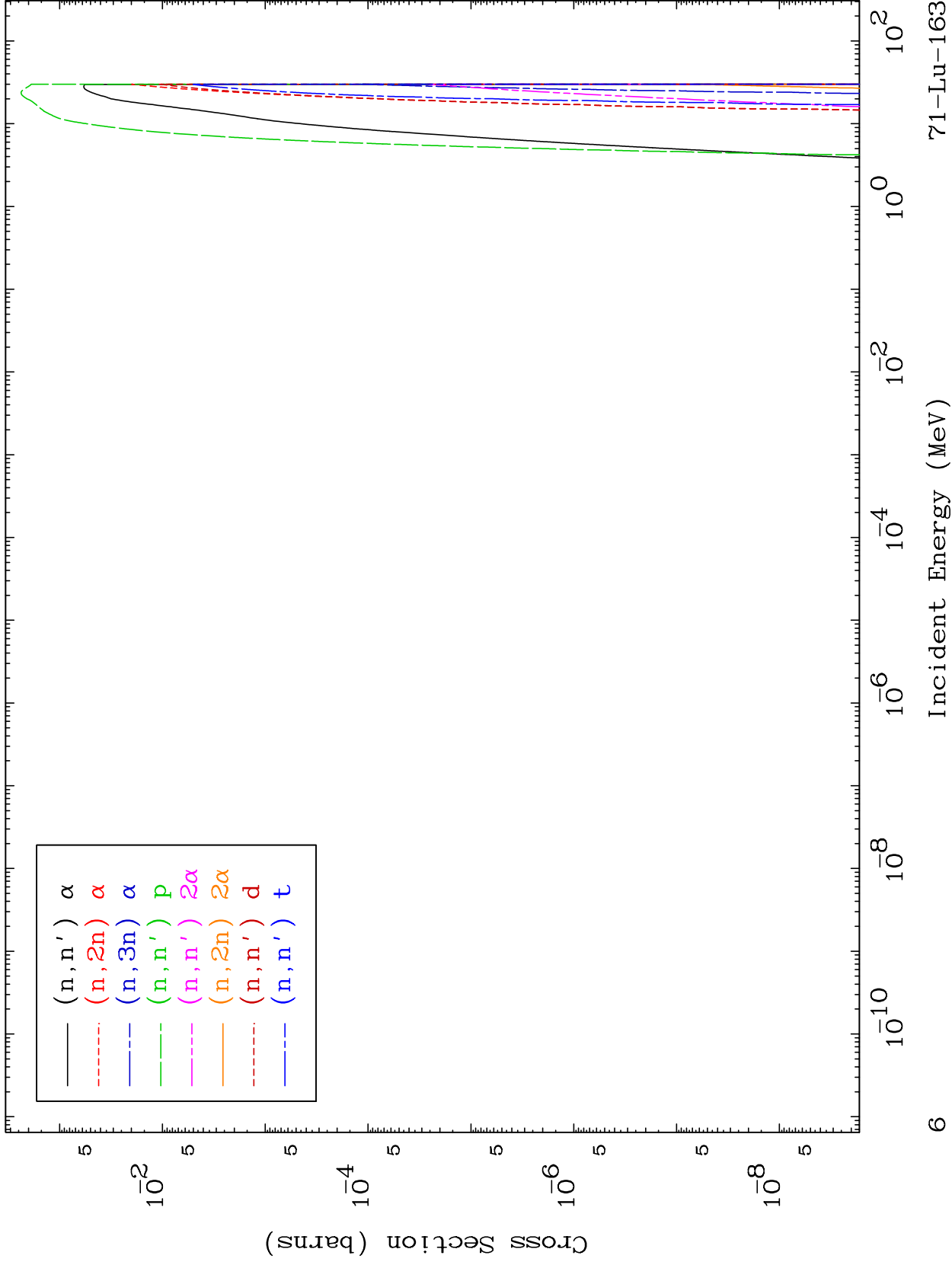




MAT 7089

Charged Particle
293 Kelvin Cross Sections

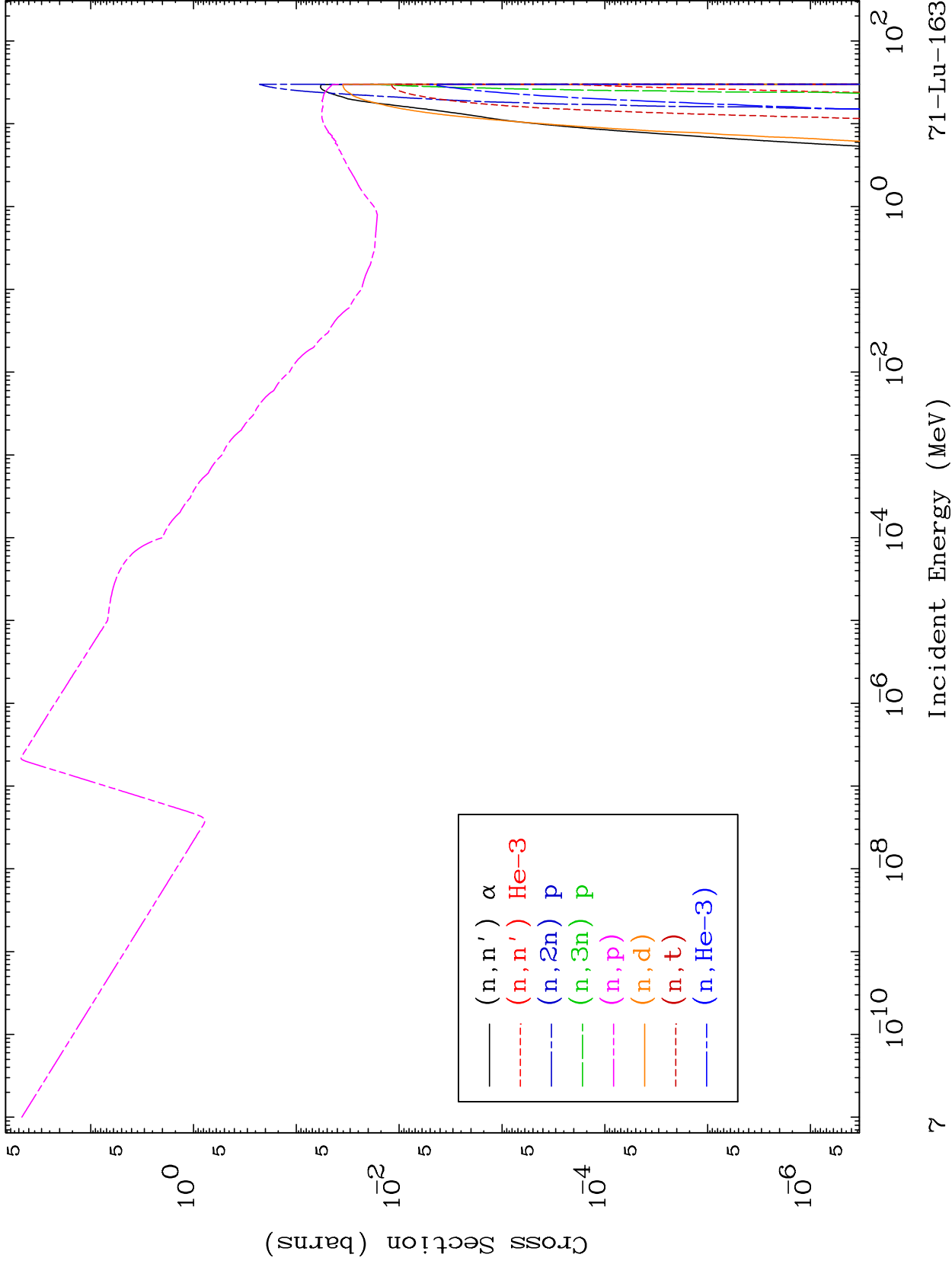
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MAT 7089

Charged Particle
293 Kelvin Cross Sections

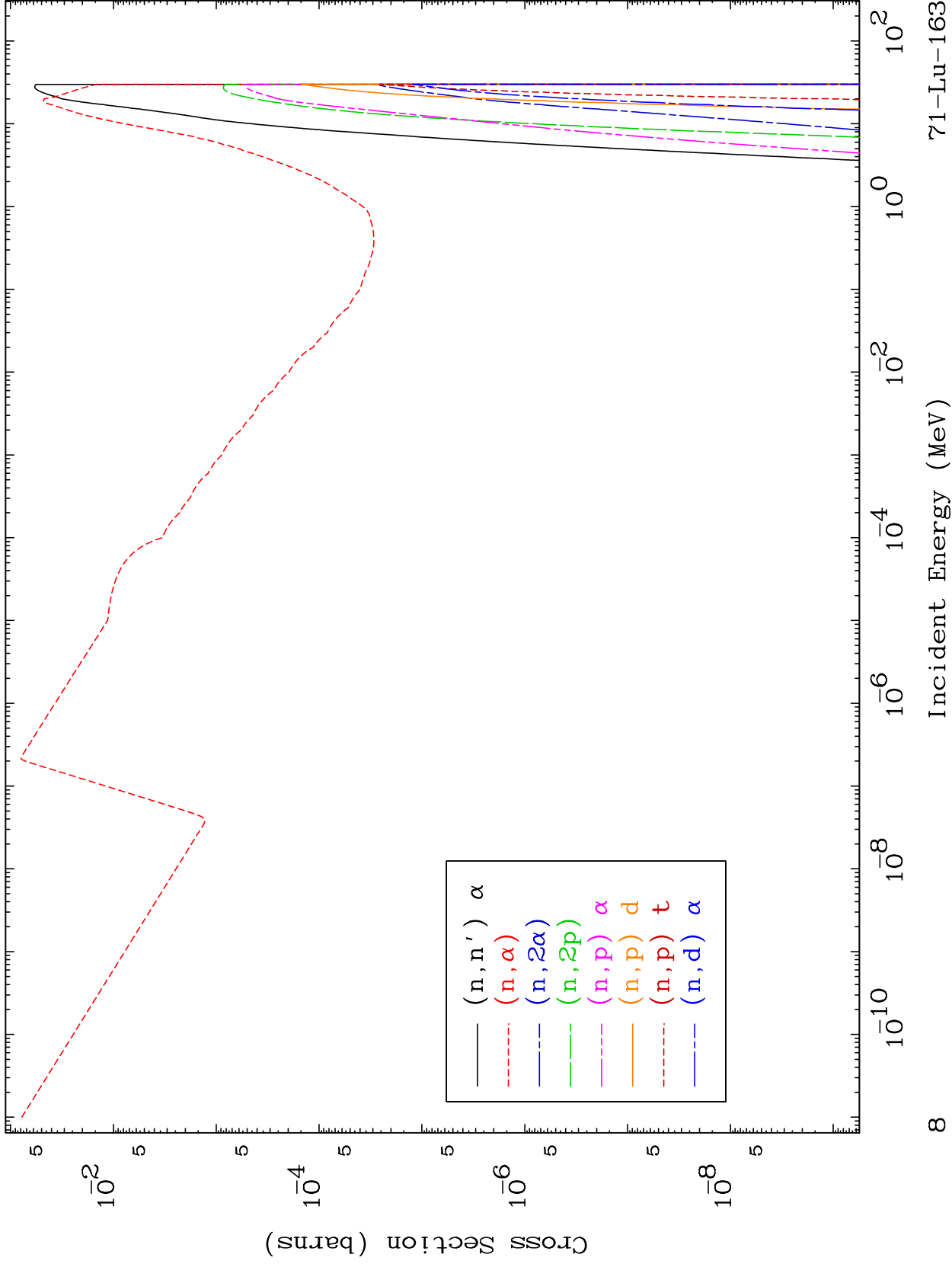
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MAT 7089

Charged Particle
293 Kelvin Cross Sections

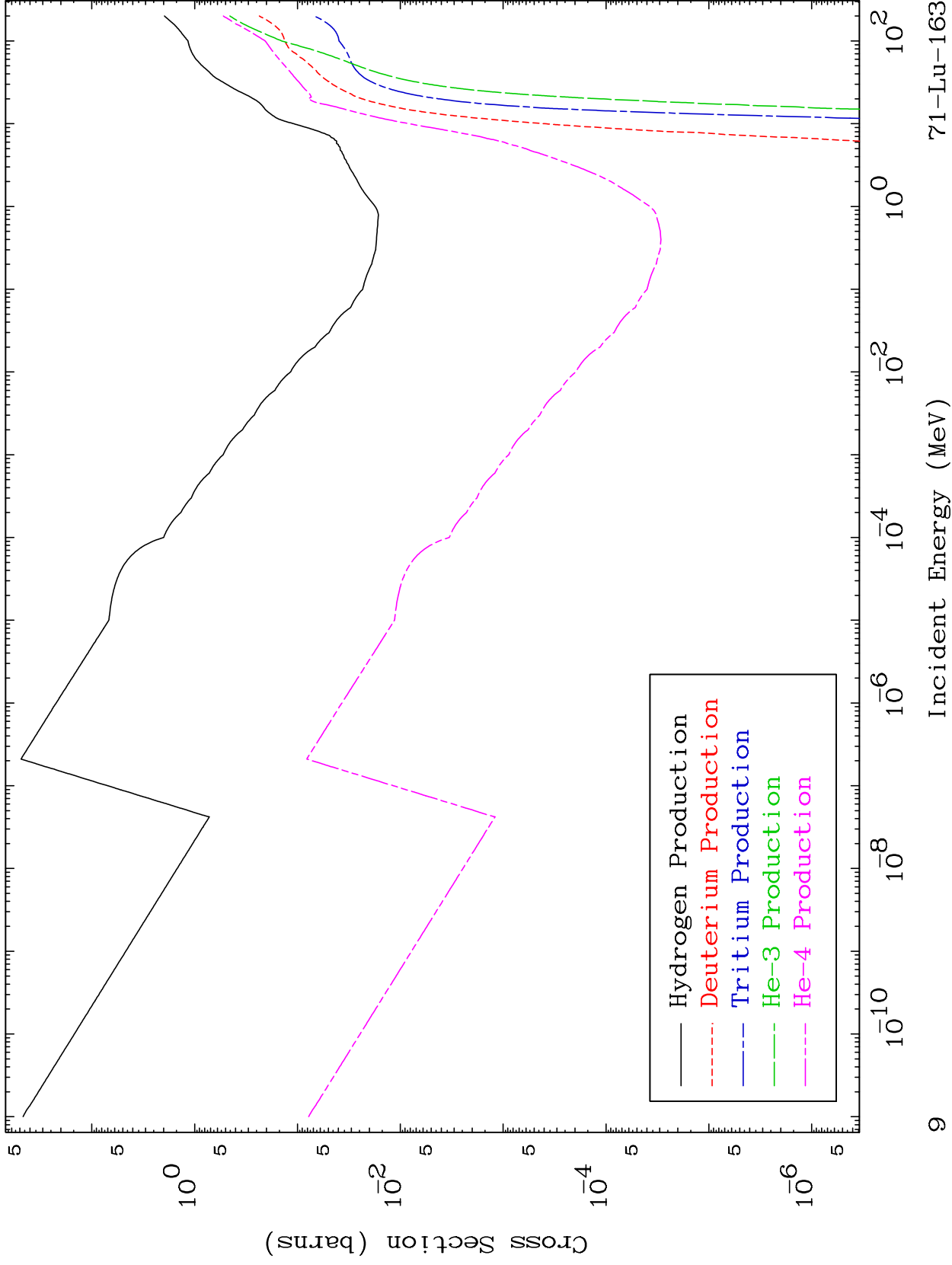
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MAT 7089

Particle Production
293 Kelvin Cross Sections

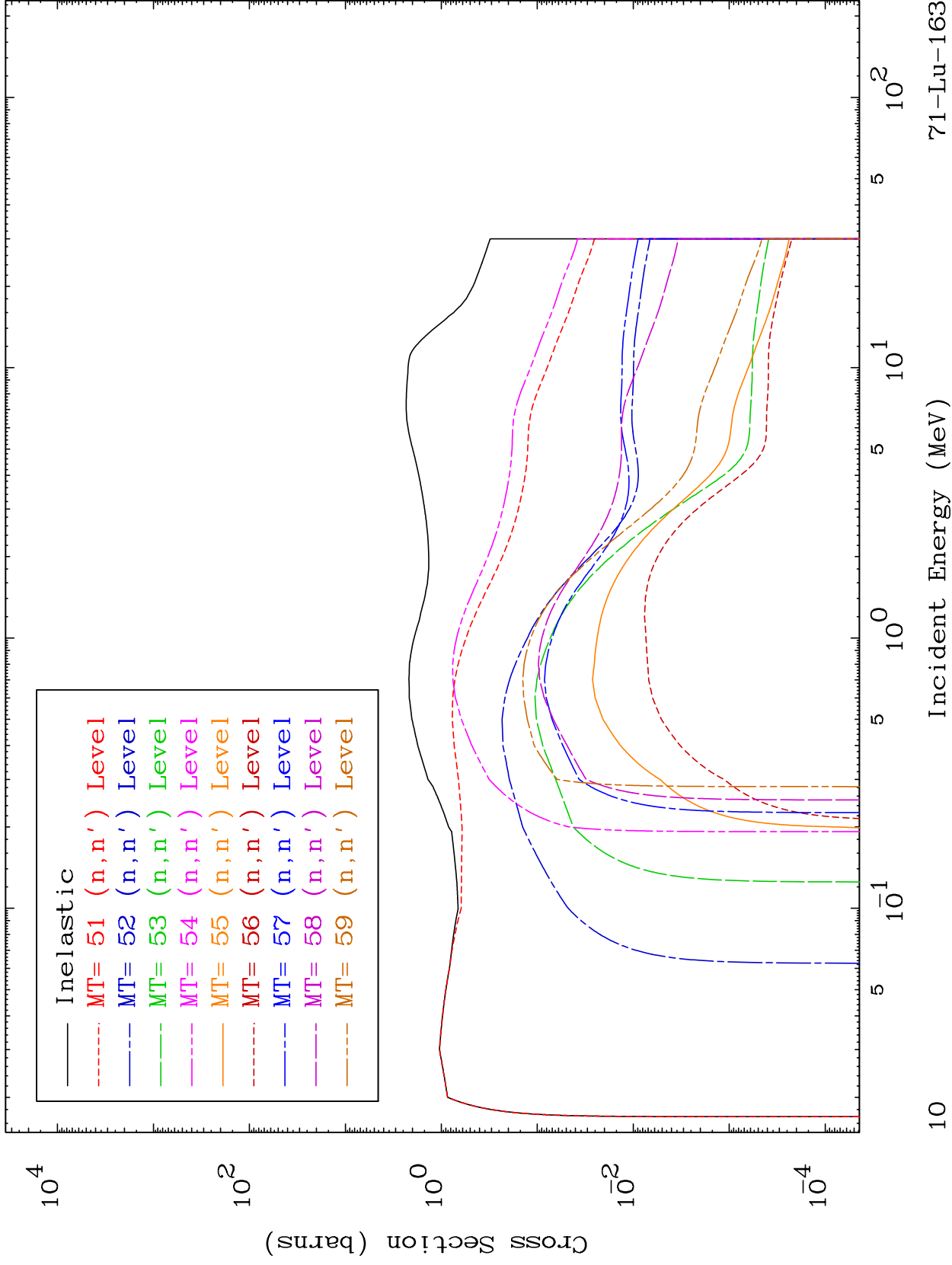
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MAT 7089

(n,n') Levels
293 Kelvin Cross Sections

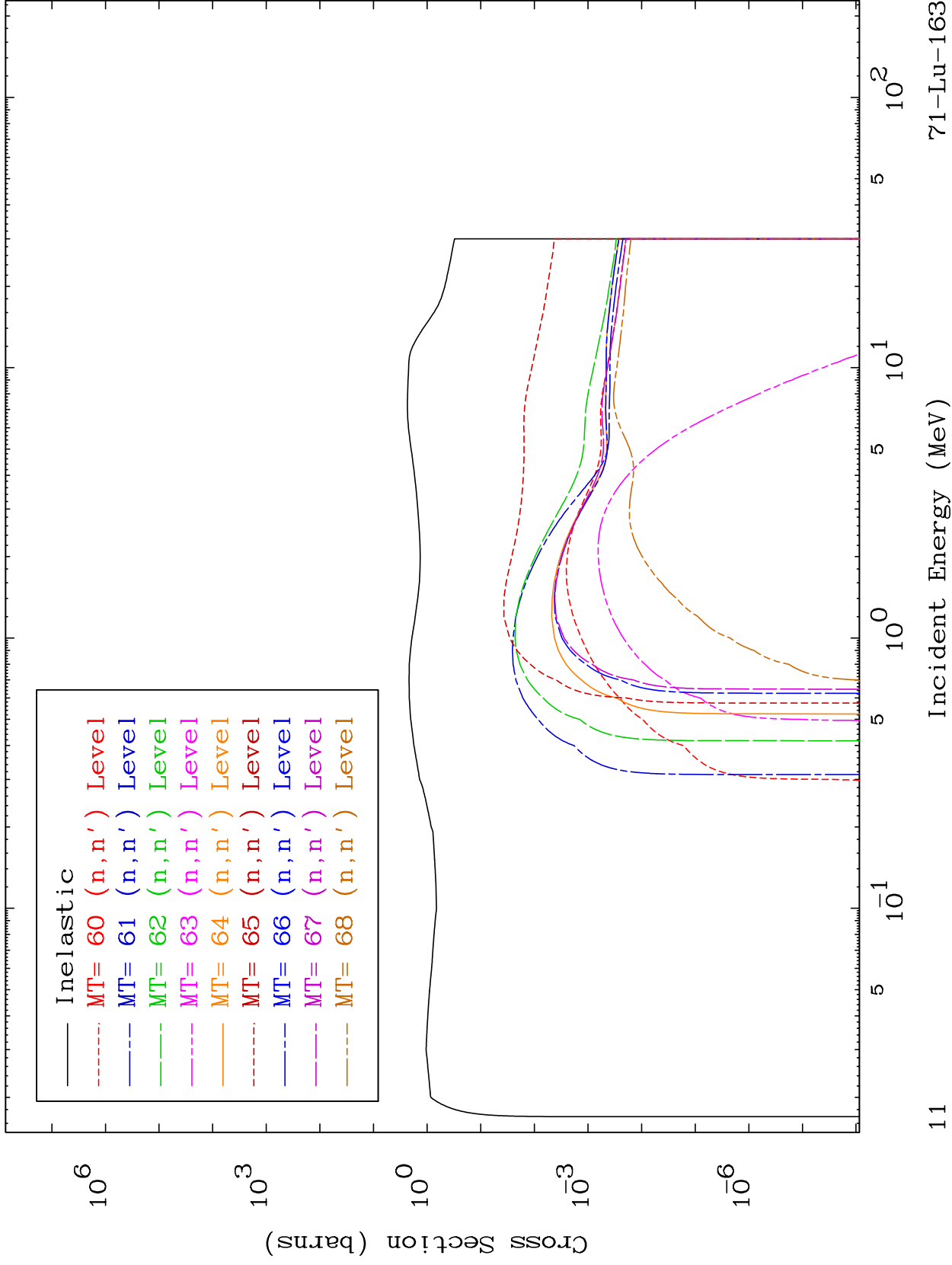
71-Lu-163



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Incident Energy (MeV)

71-Lu-163

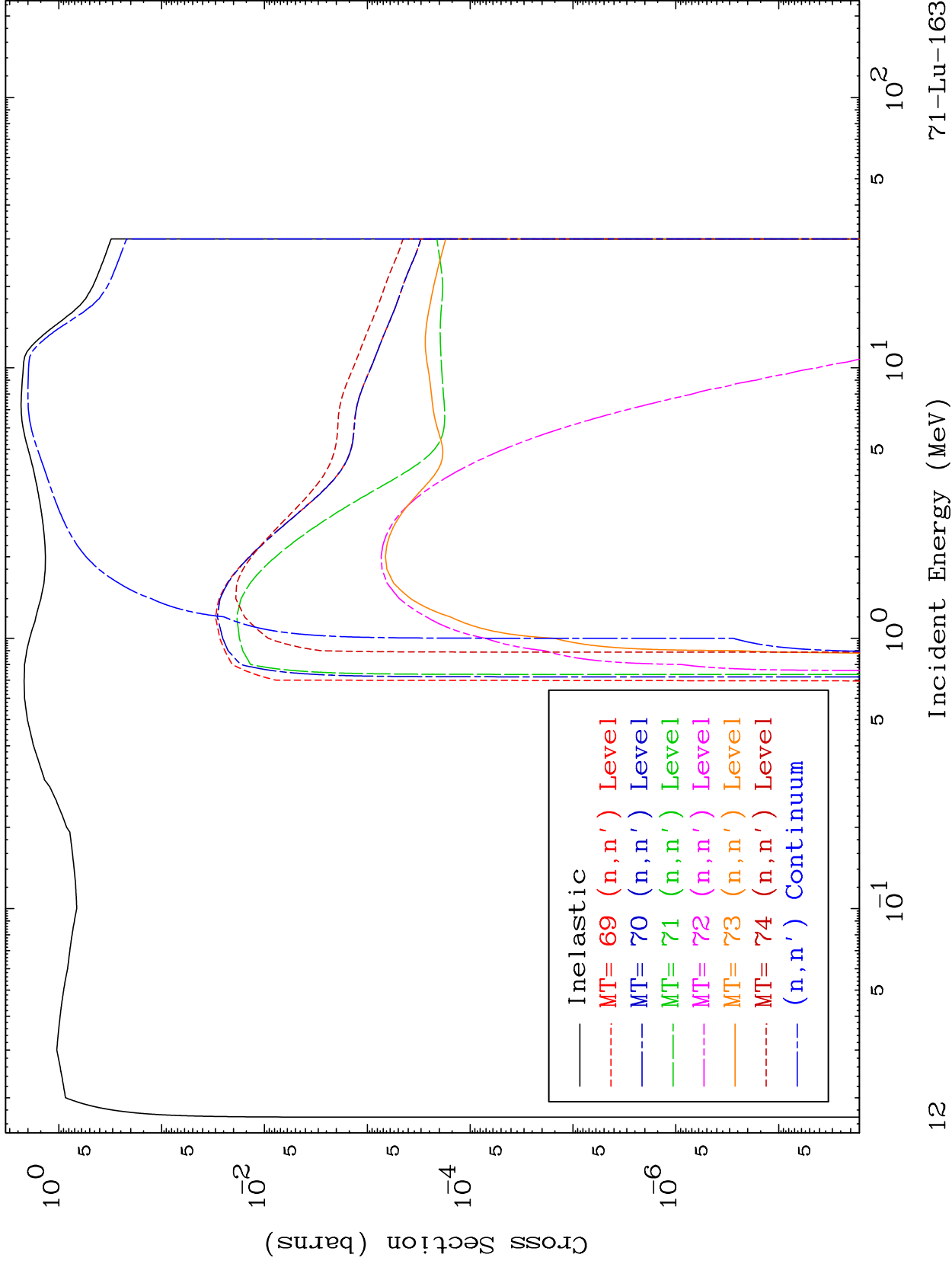


MAT 7089

(n,n') Levels

71-Lu-163

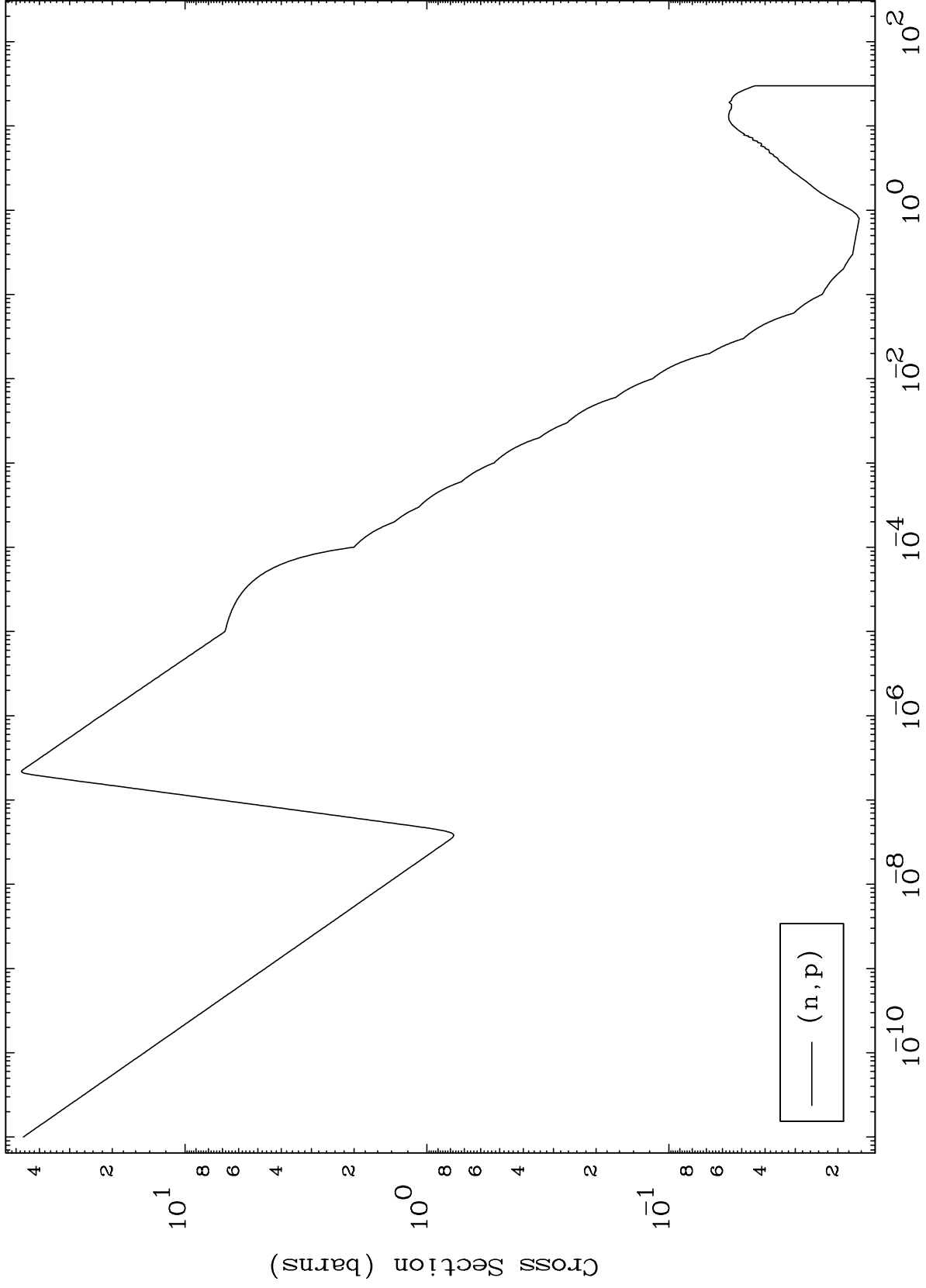
293 Kelvin Cross Sections



MAT 7089

(n,p) Levels
293 Kelvin Cross Sections

71-Lu-163



13

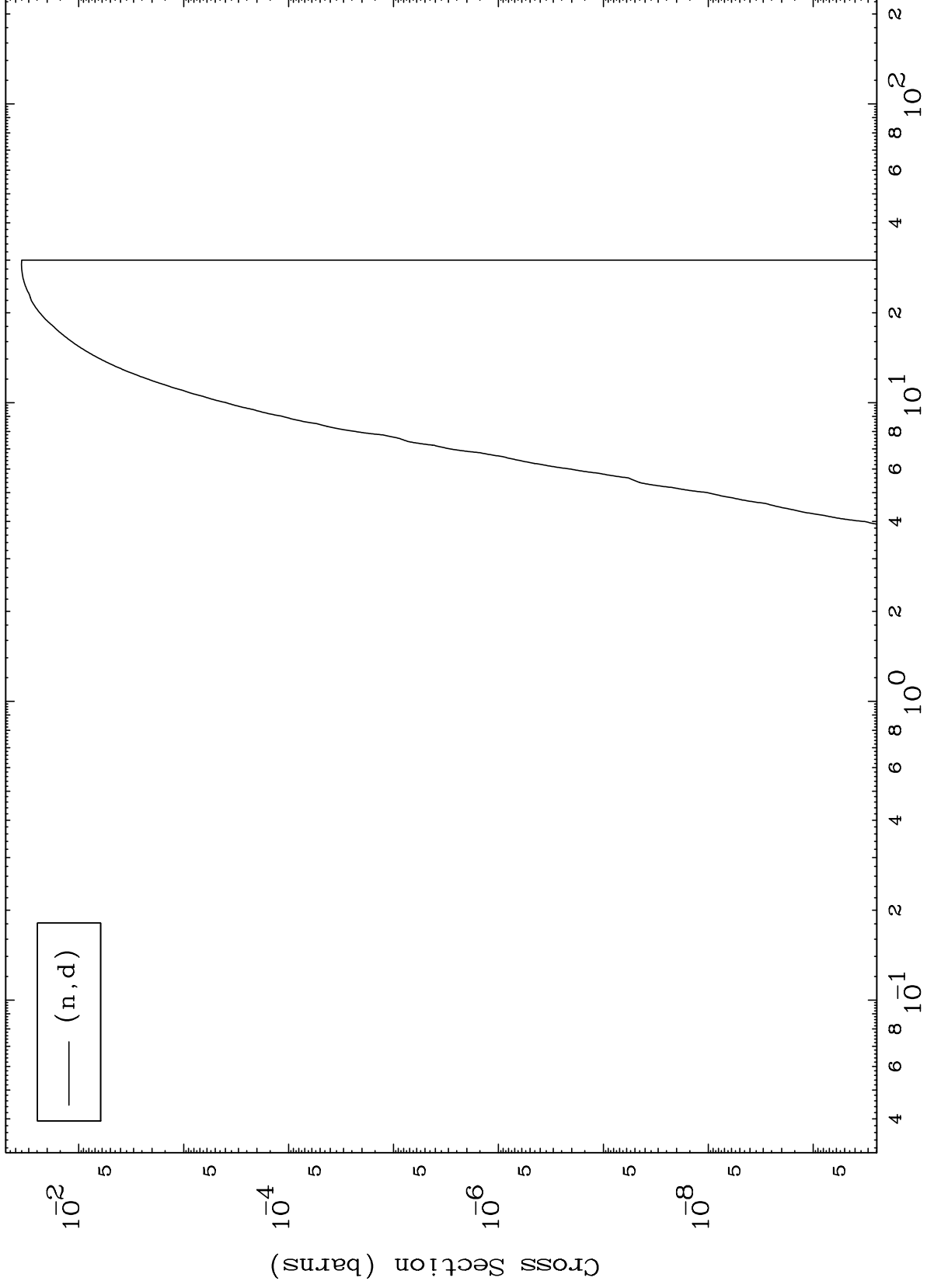
Incident Energy (MeV)

71-Lu-163

MAT 7089

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-163



14

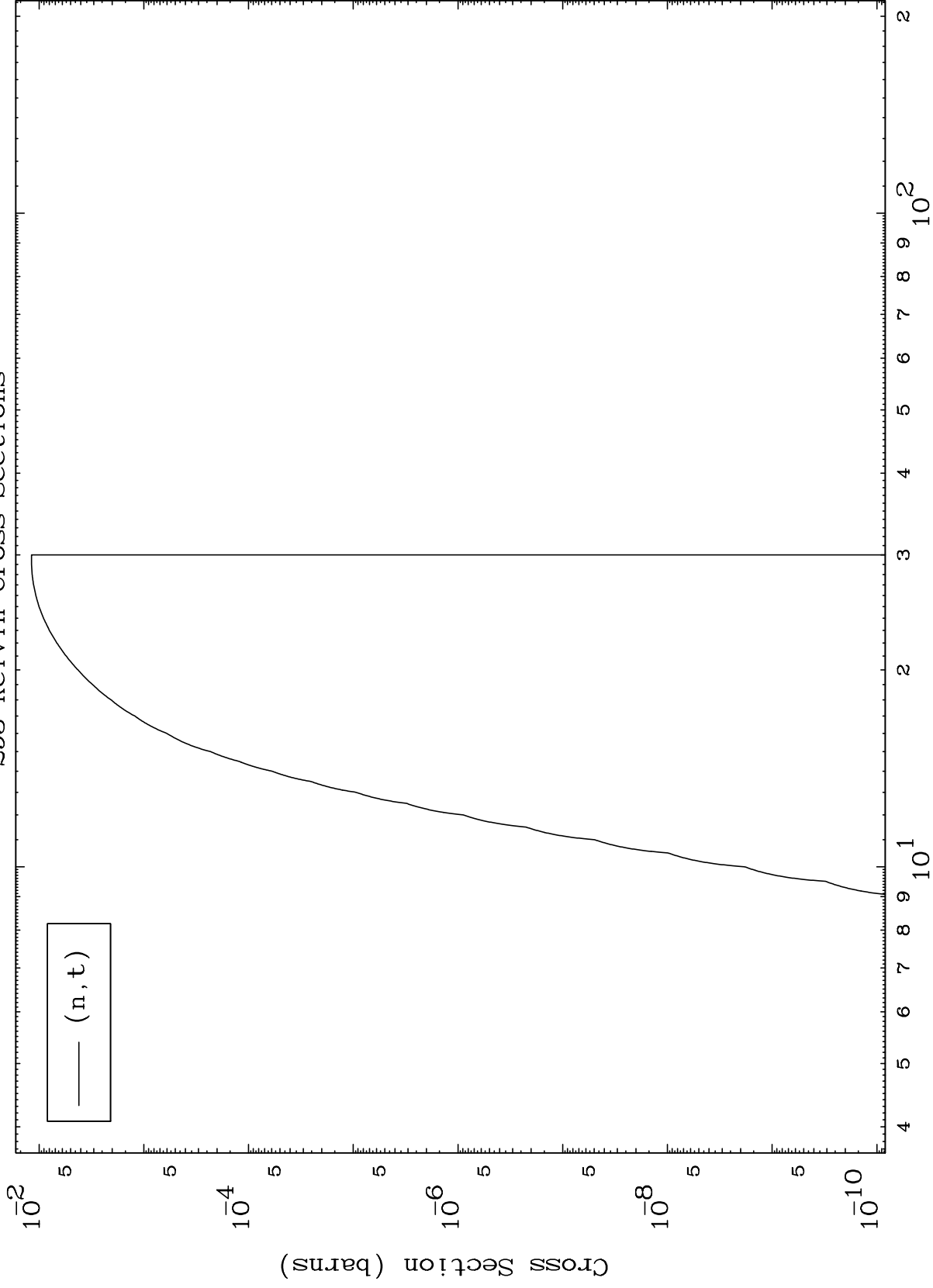
Incident Energy (MeV)

71-Lu-163

MAT 7089

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-163



15

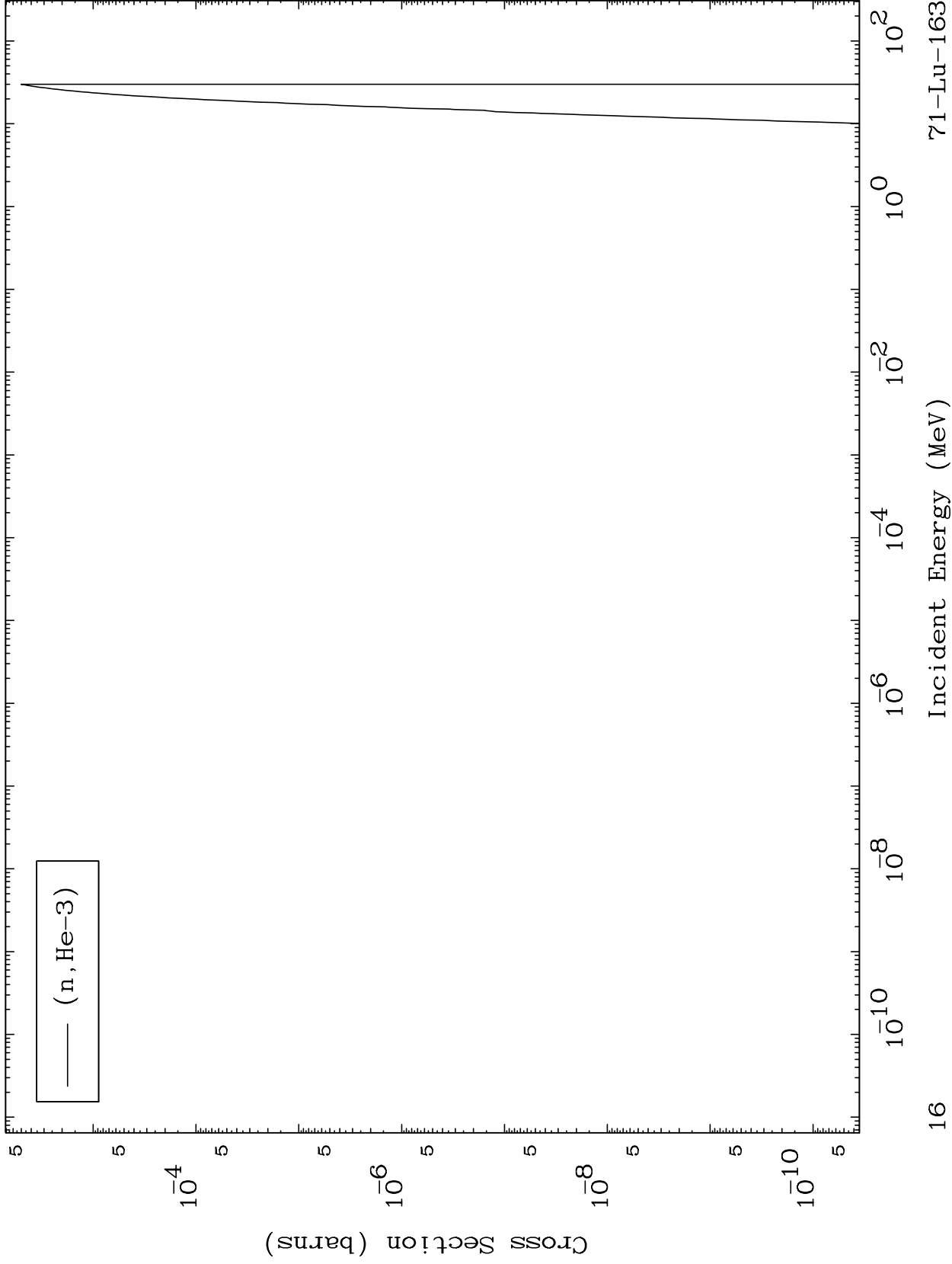
Incident Energy (MeV)

71-Lu-163

MAT 7089

(n,He3) Levels
293 Kelvin Cross Sections

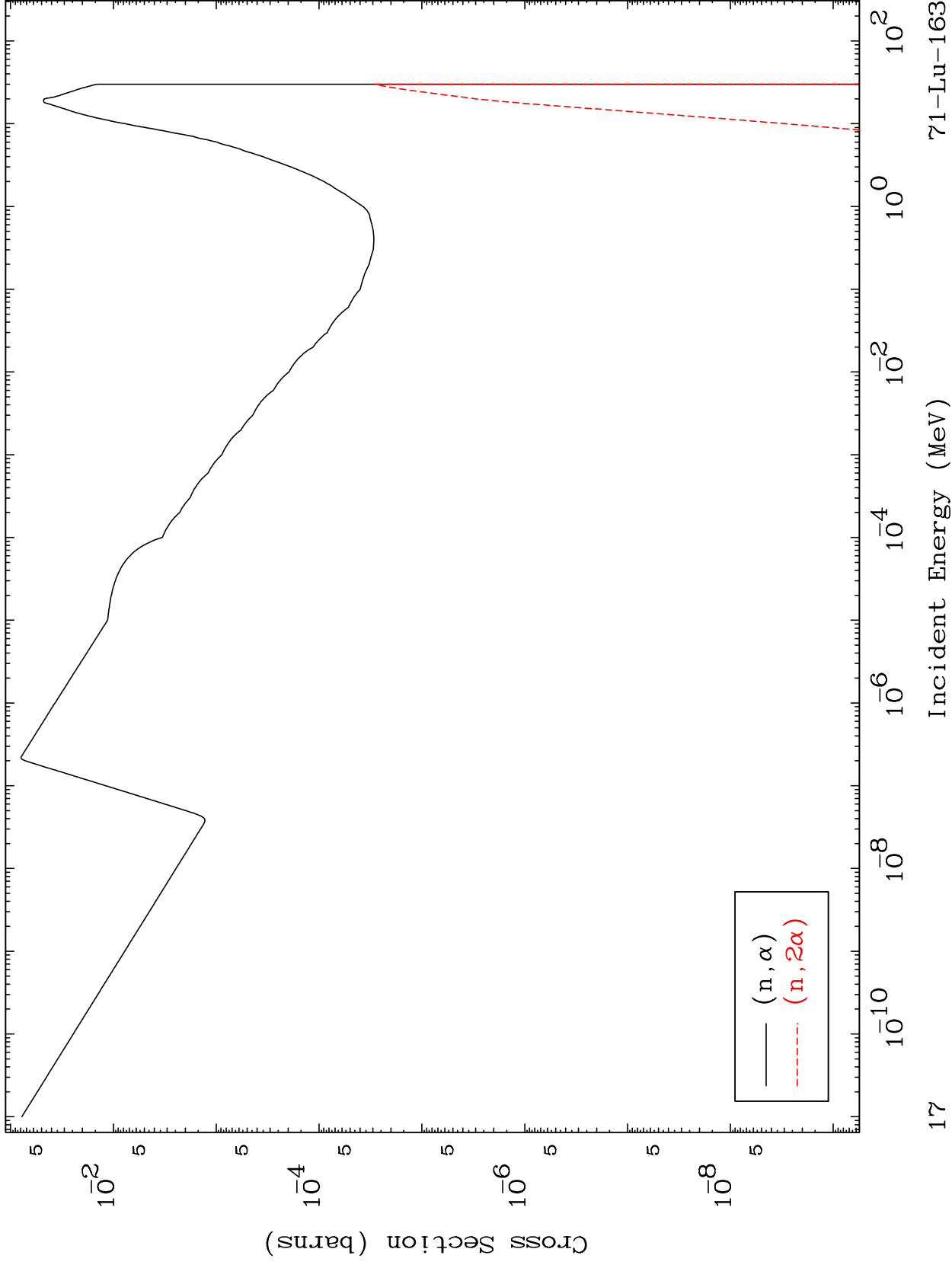
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MAT 7089

(n,α) Levels
293 Kelvin Cross Sections

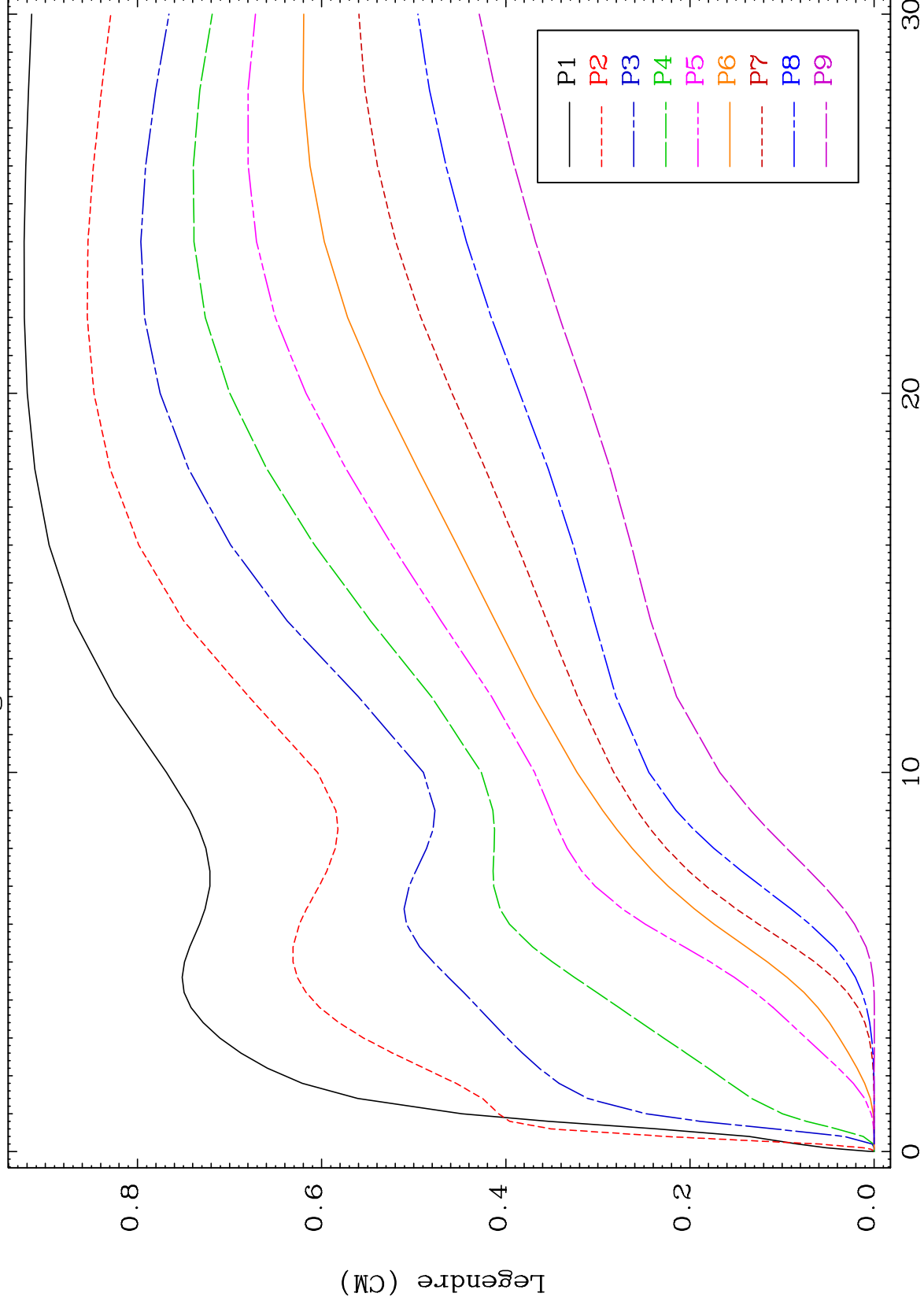
71-Lu-163



MAT 7089

Elastic Legendre Coefficients

71-Lu-163



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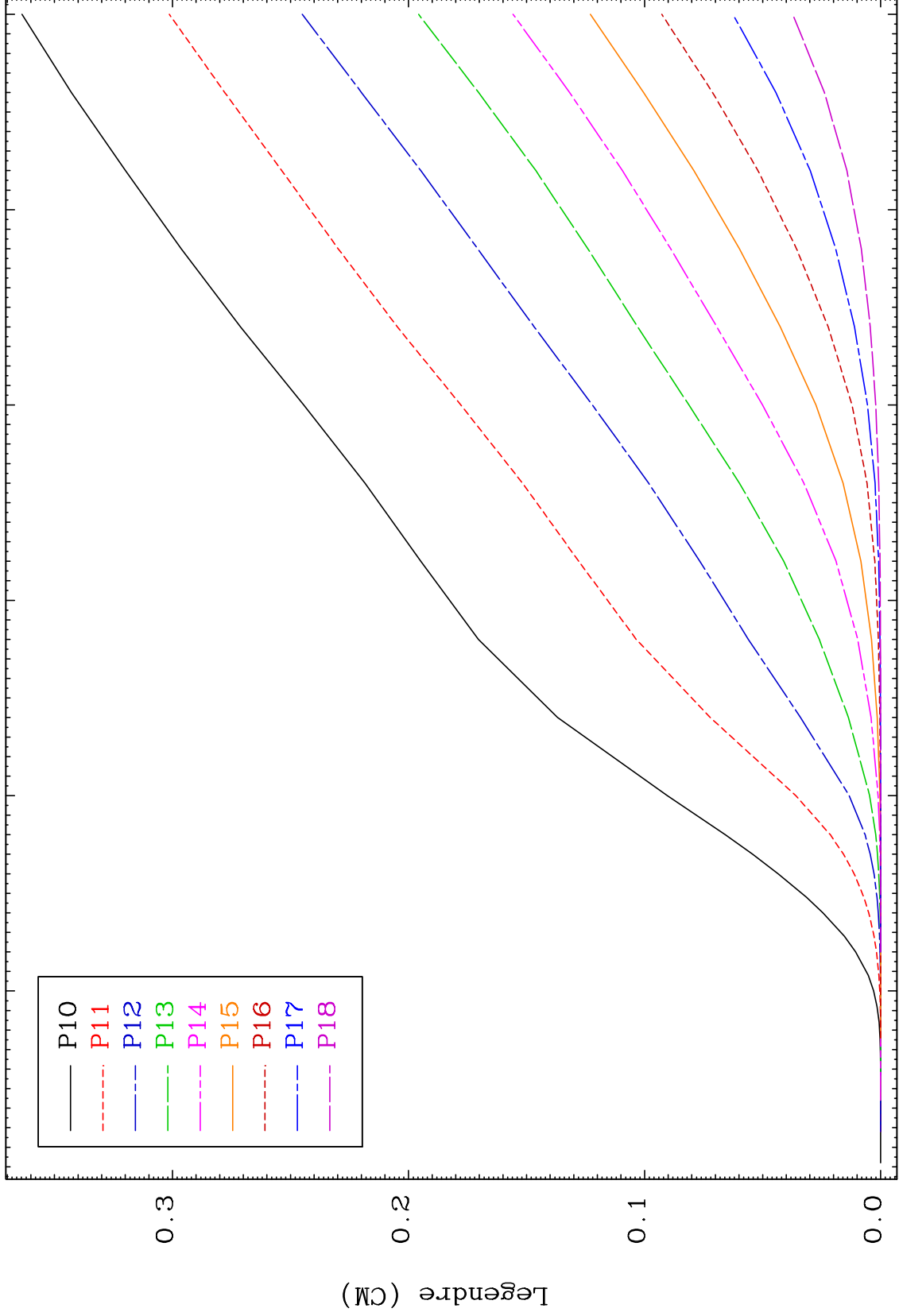
Incident Energy (MeV)

71-Lu-163

MAT 7089

Elastic Legendre Coefficients

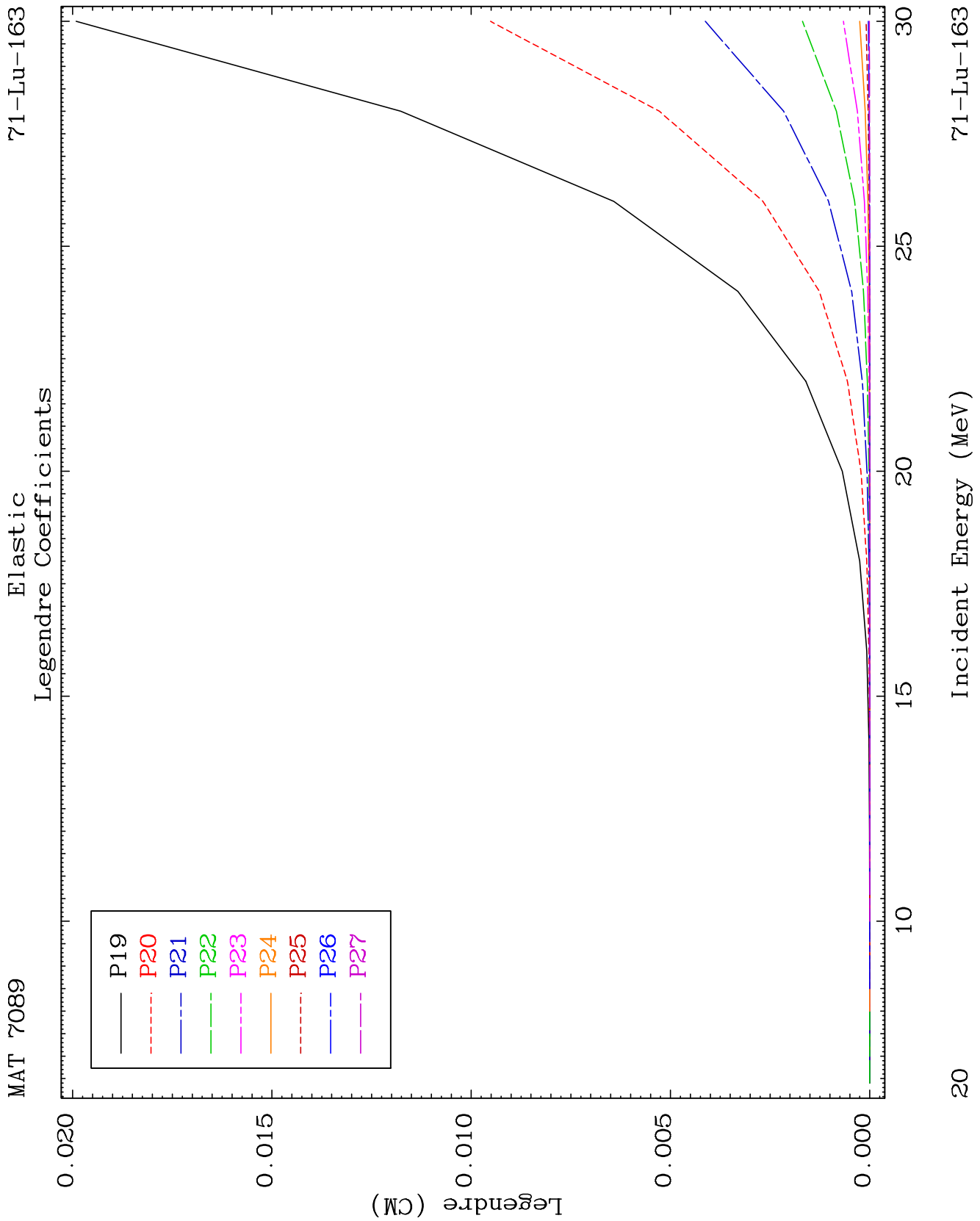
⁷¹Lu-163



19

Incident Energy (MeV)

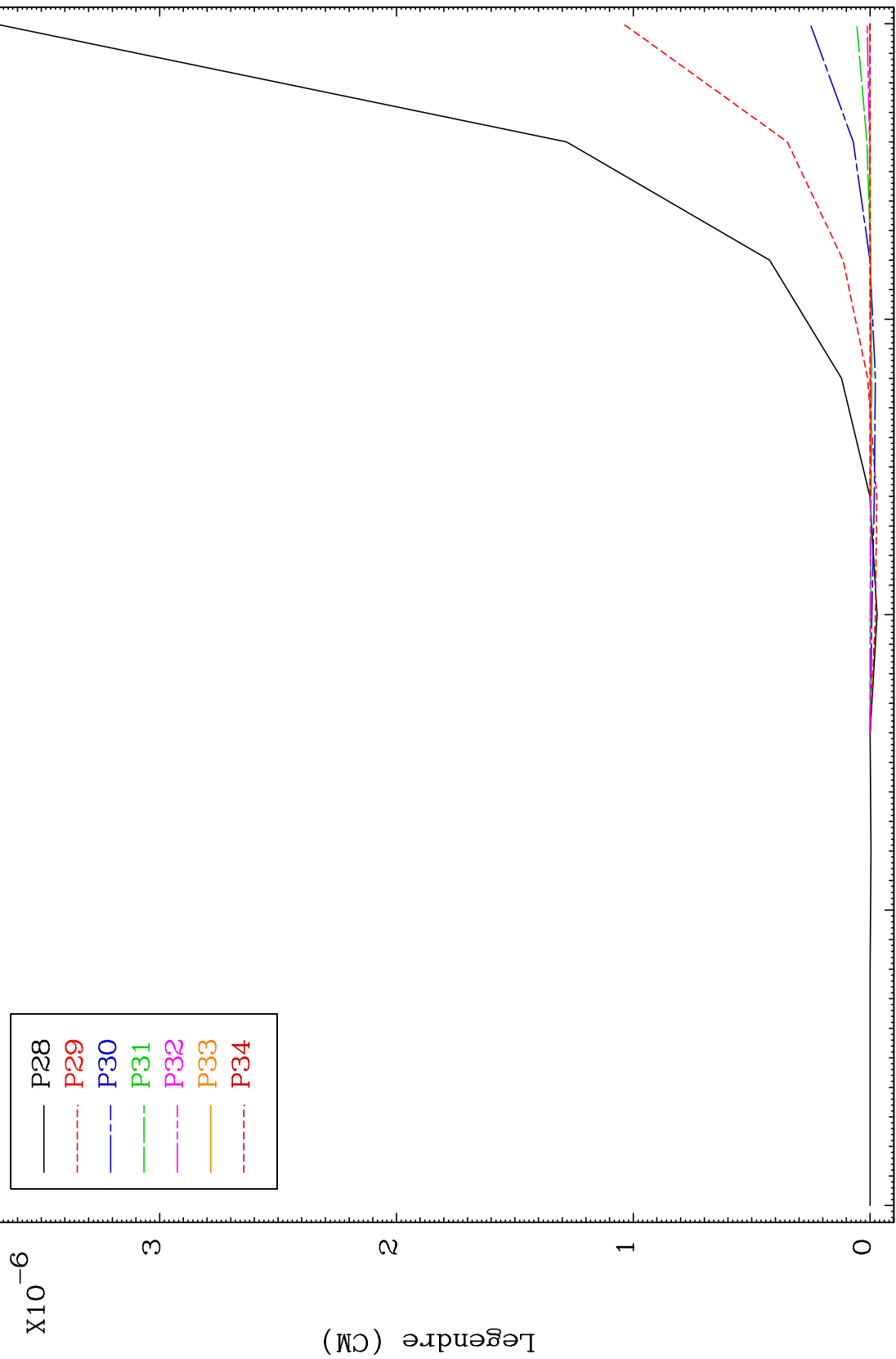
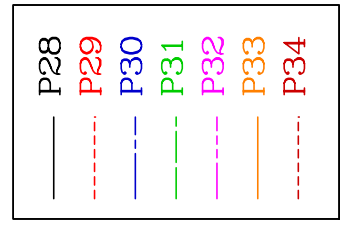
⁷¹Lu-163



MAT 7089

Elastic
Legendre Coefficients

71-Lu-163



21

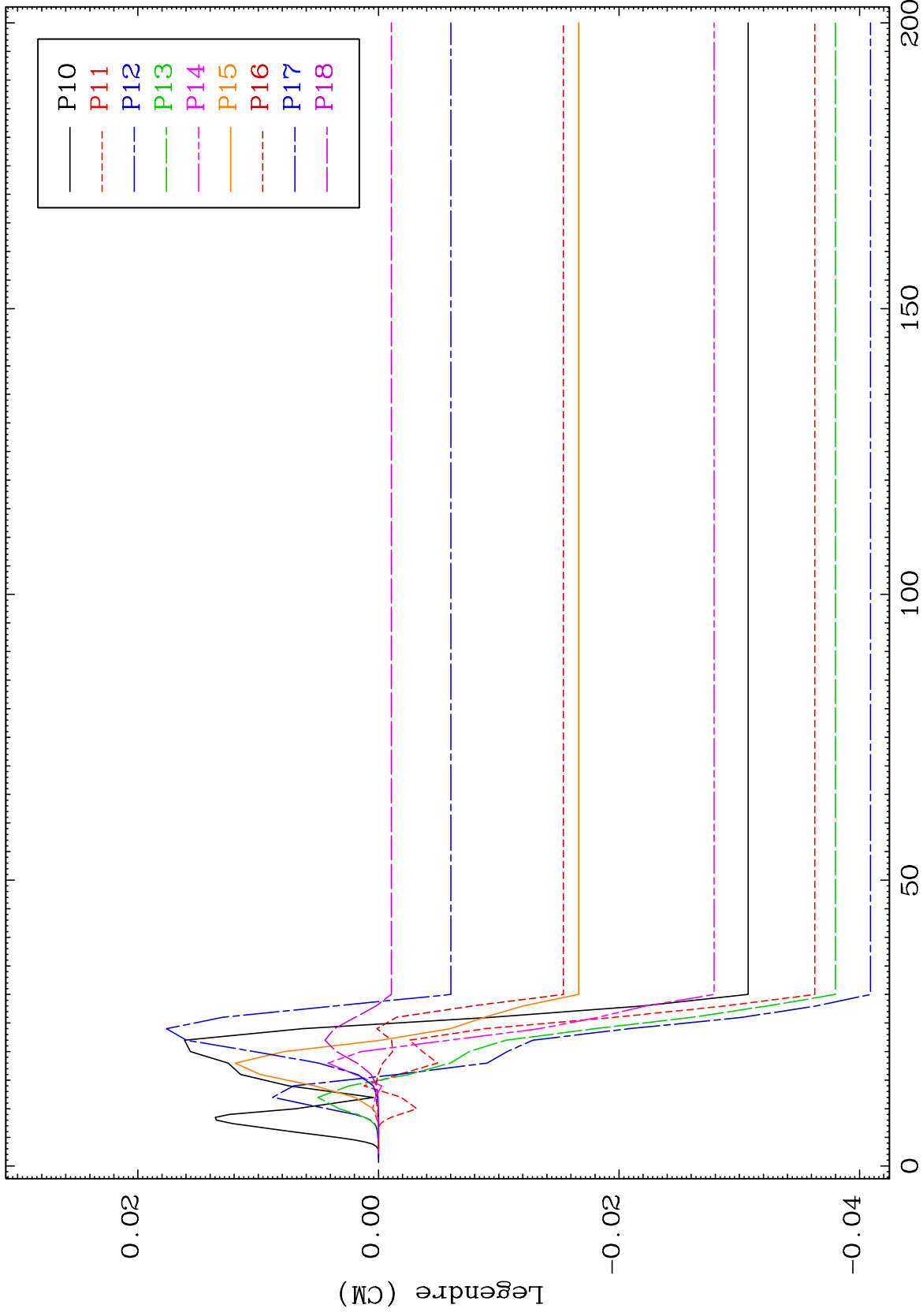
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

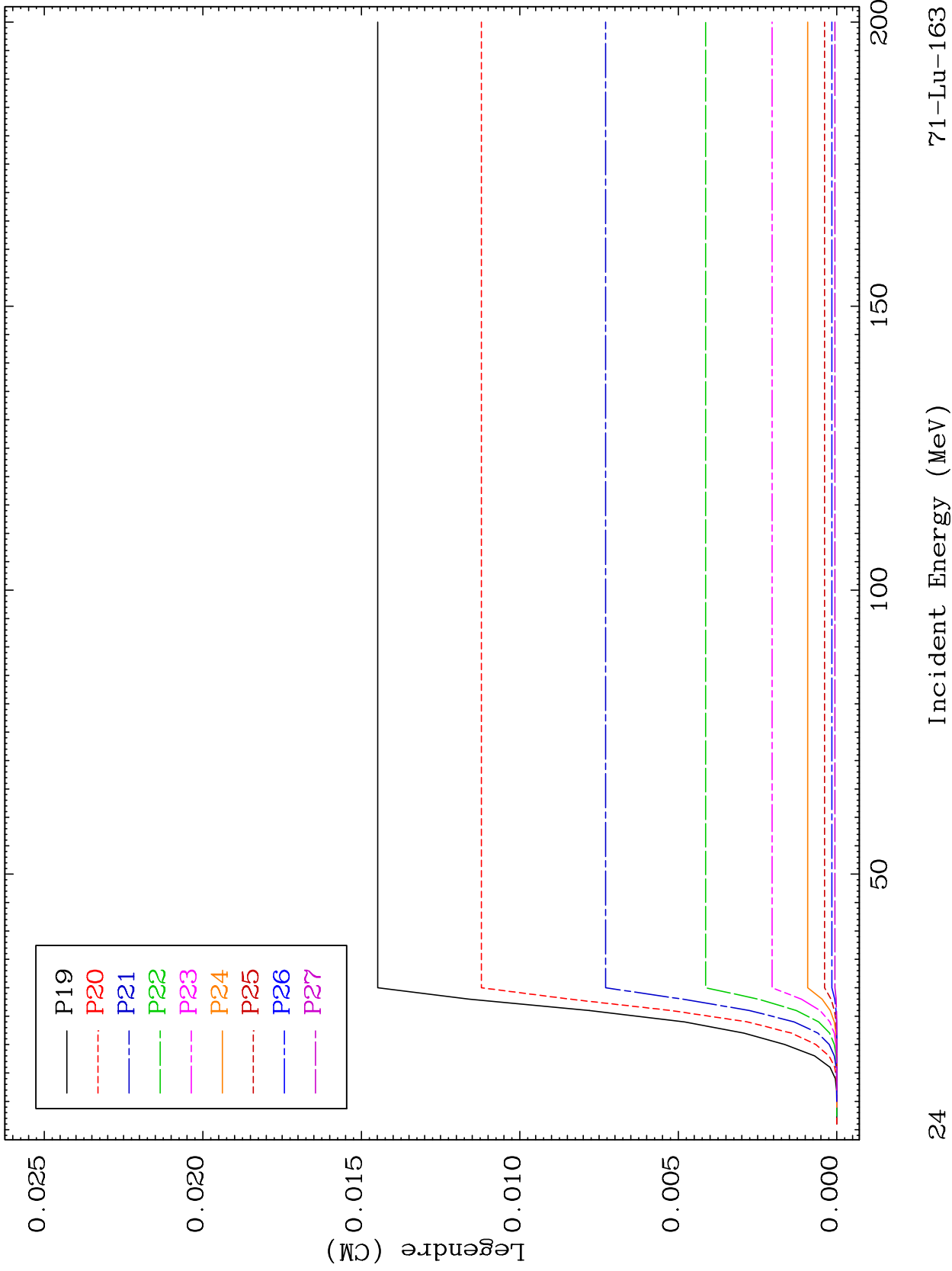
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23

Incident Energy (MeV)

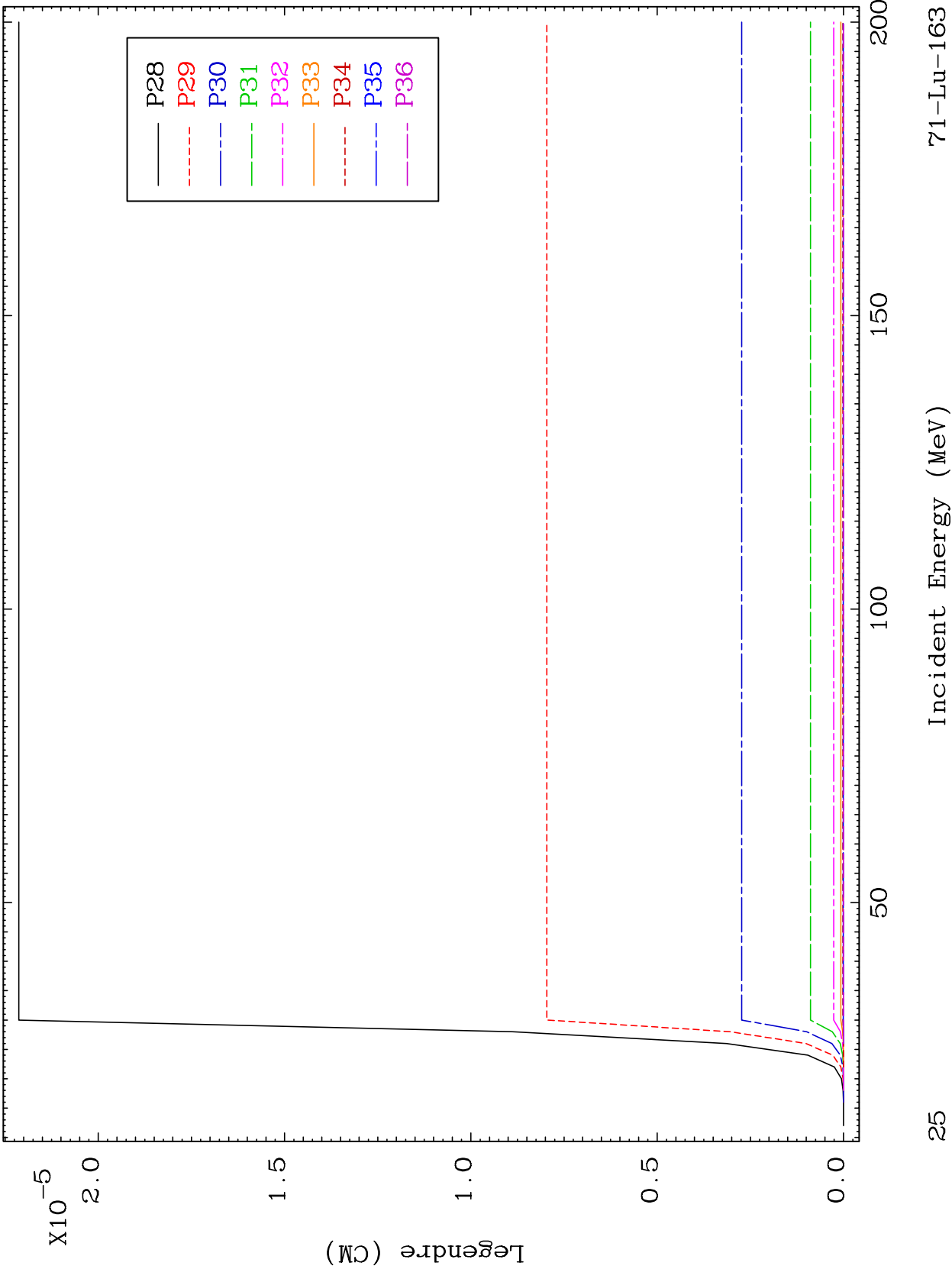
71-Lu-163



MAT 7089

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

71-Lu-163



25

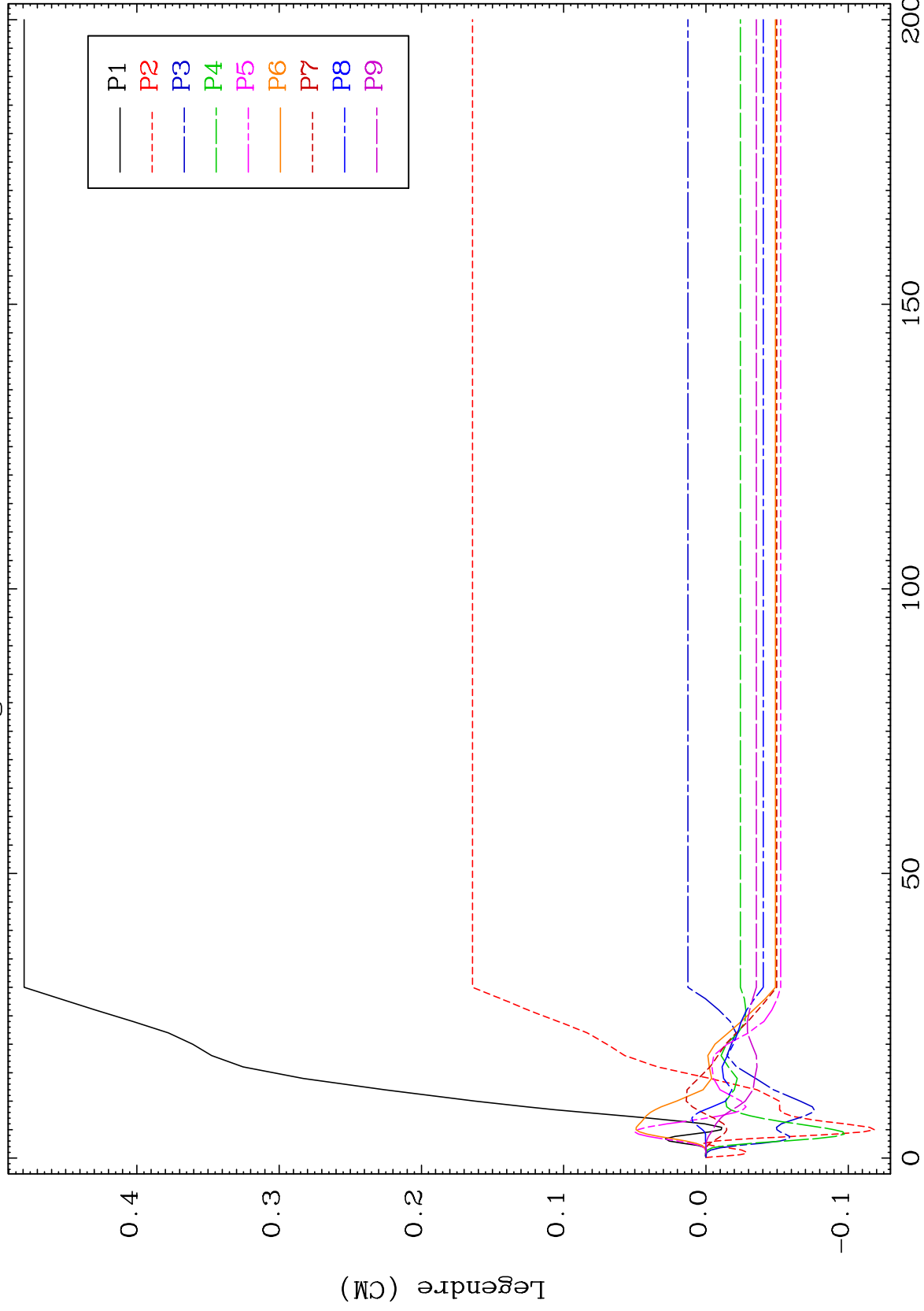
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

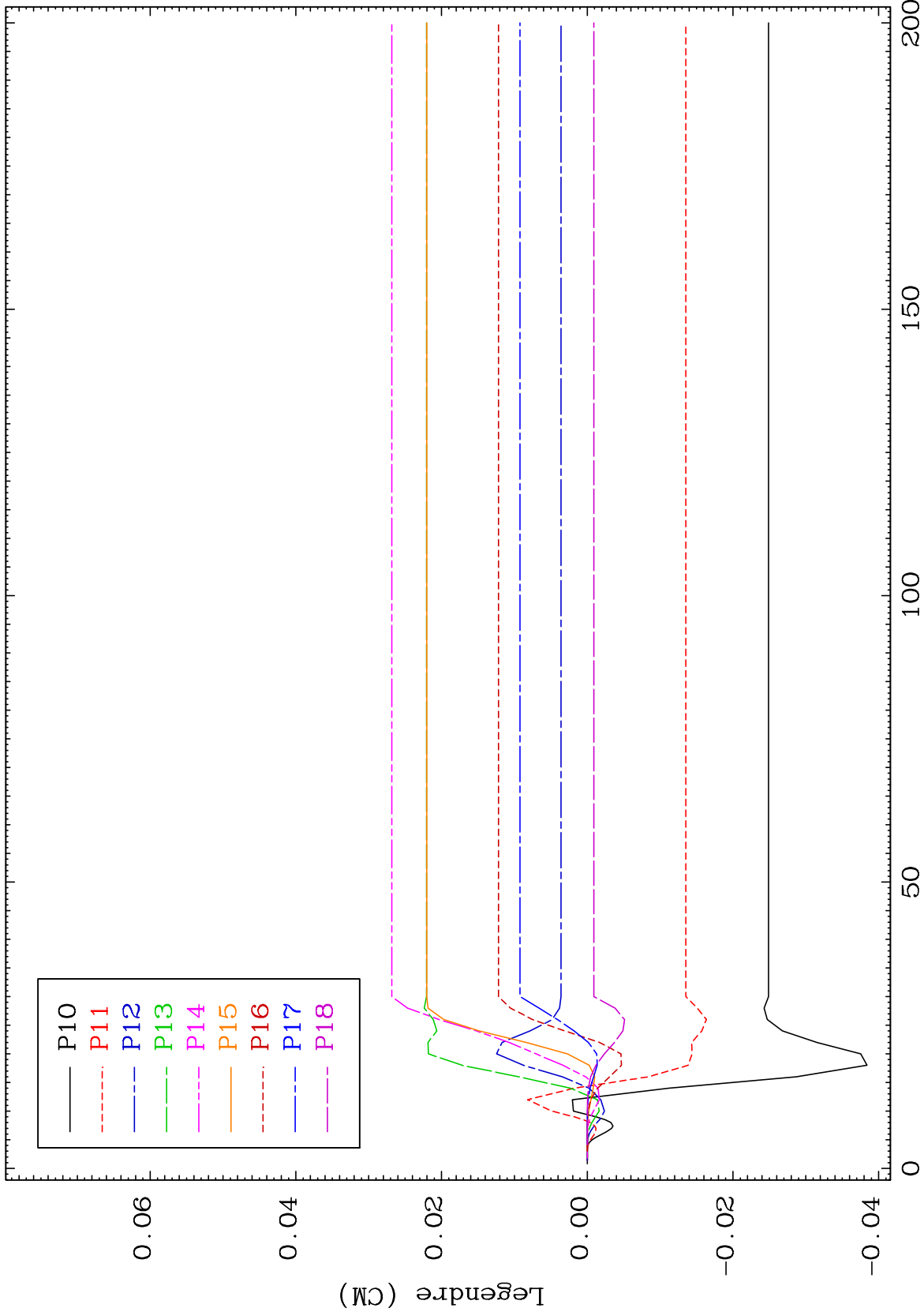
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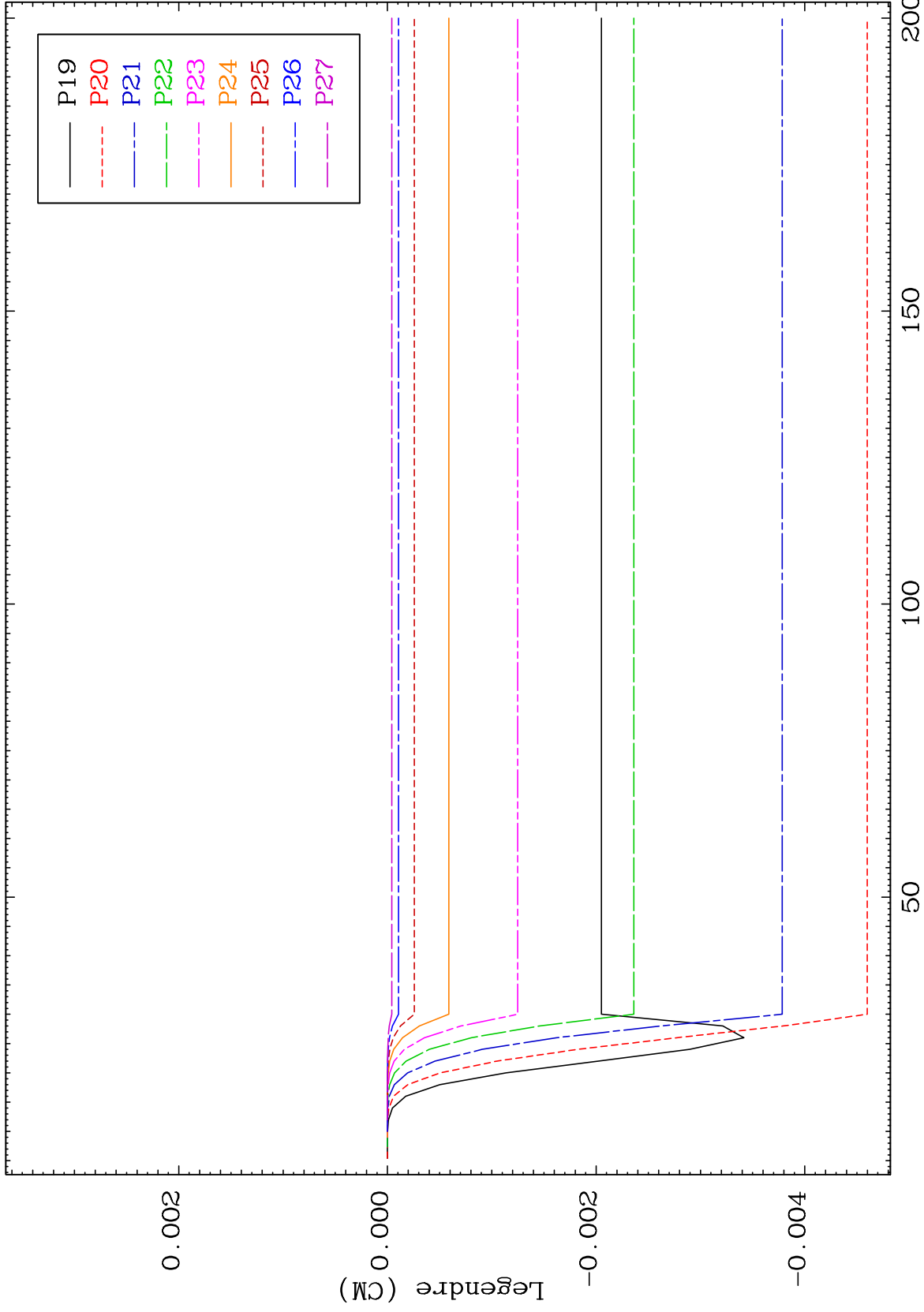


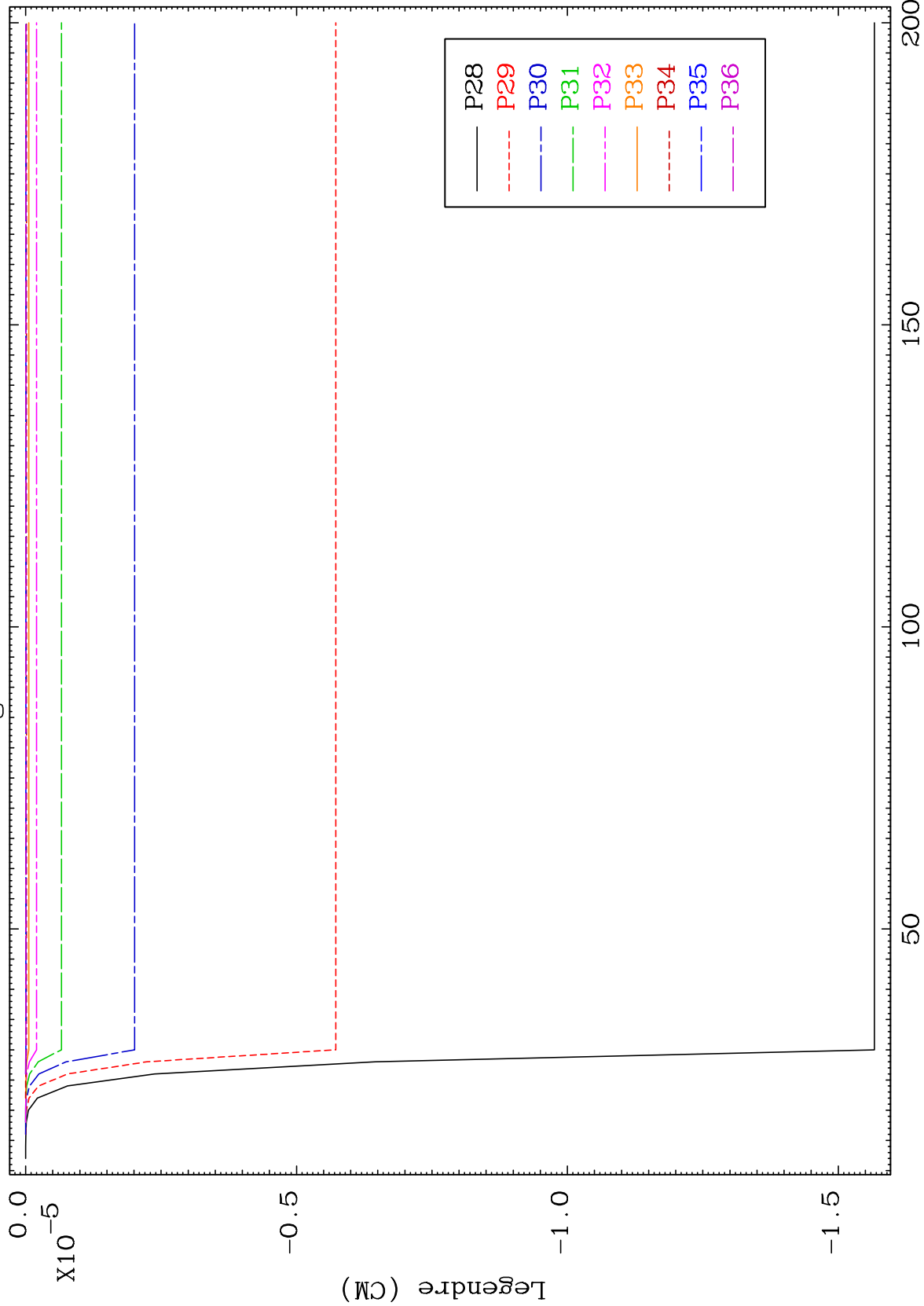
26

Incident Energy (MeV)

71-Lu-163



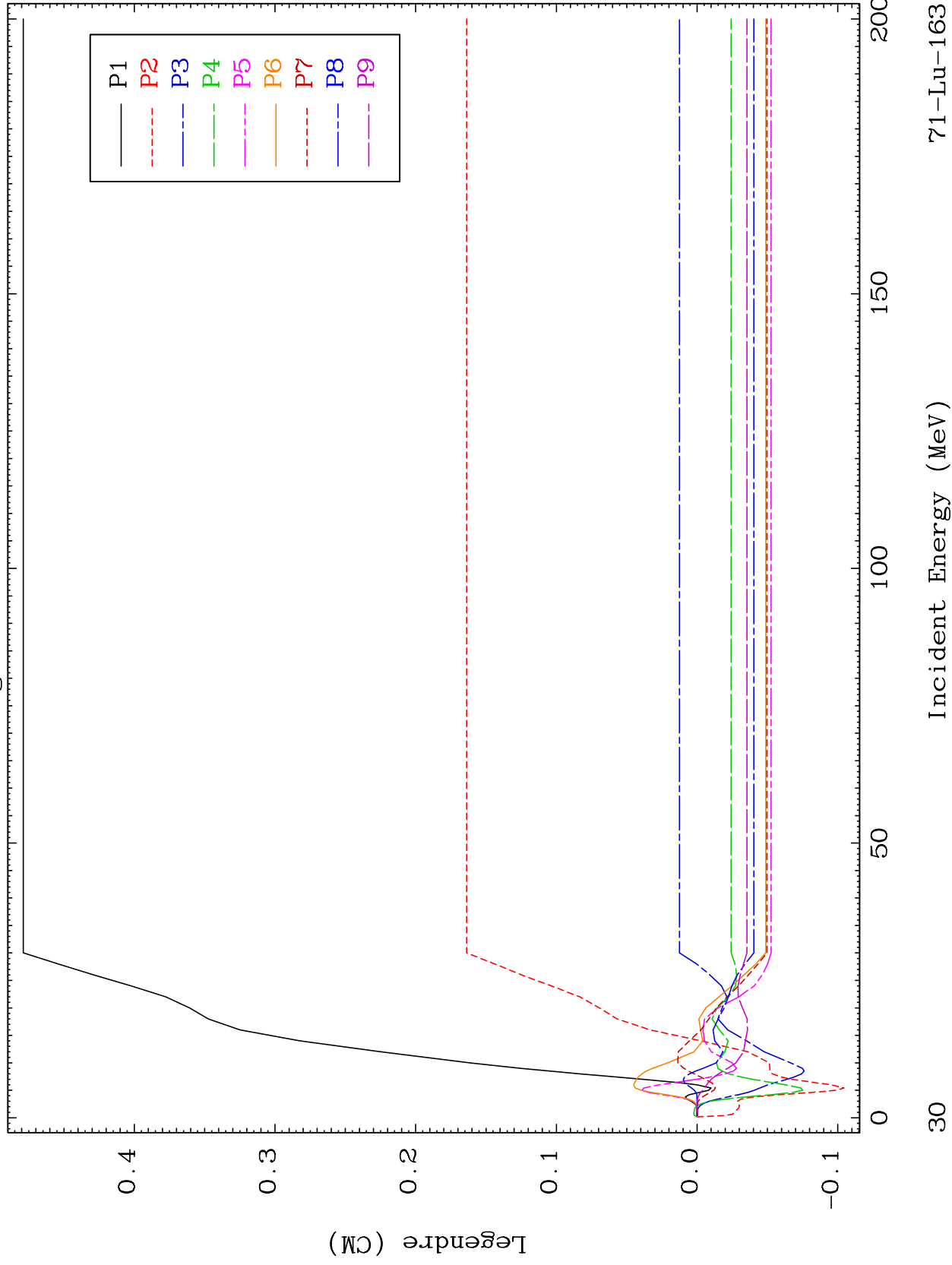




MAT 7089

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

71-Lu-163



71-Lu-163

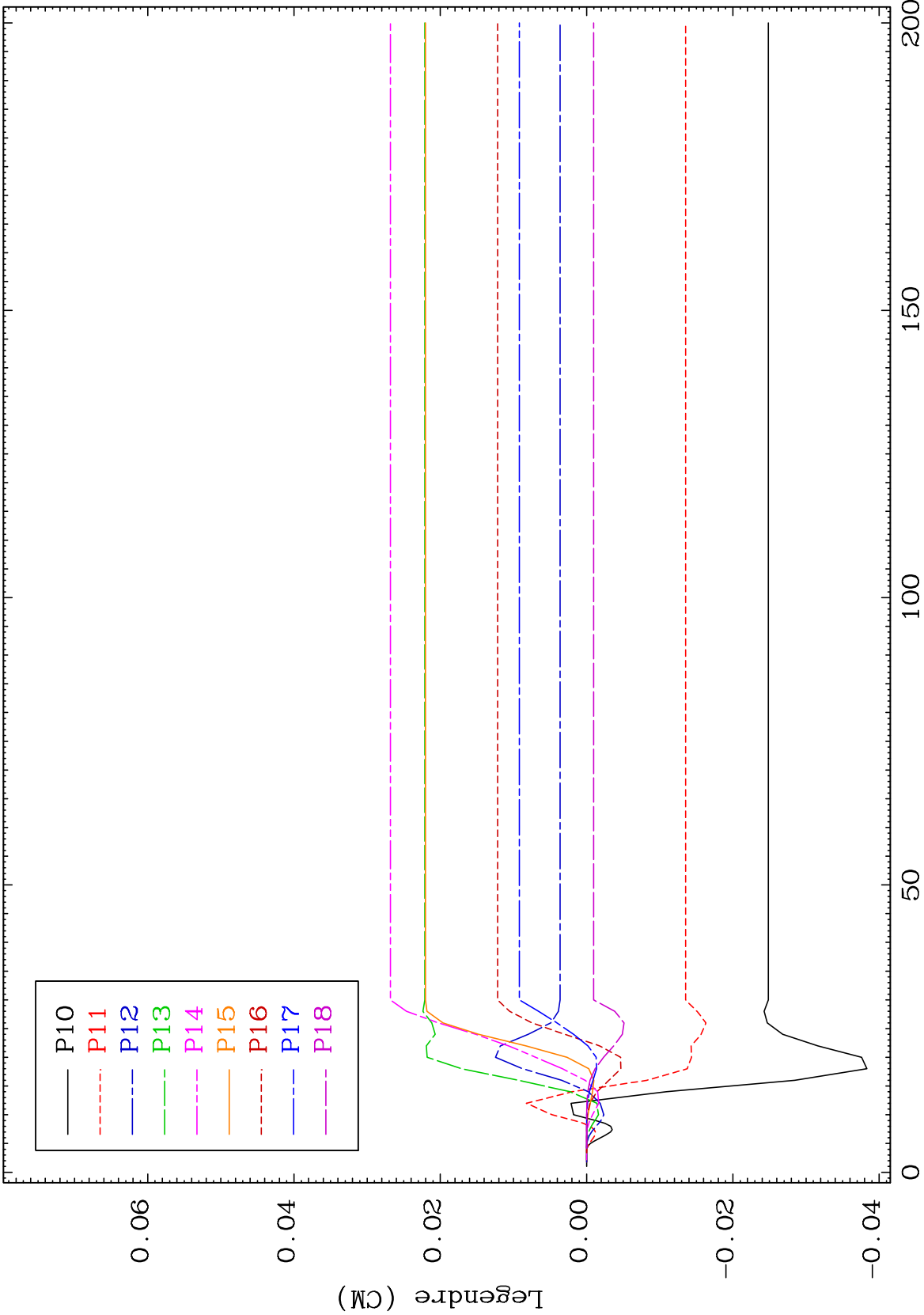
Incident Energy (MeV)

30

MAT 7089

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

71-Lu-163



31

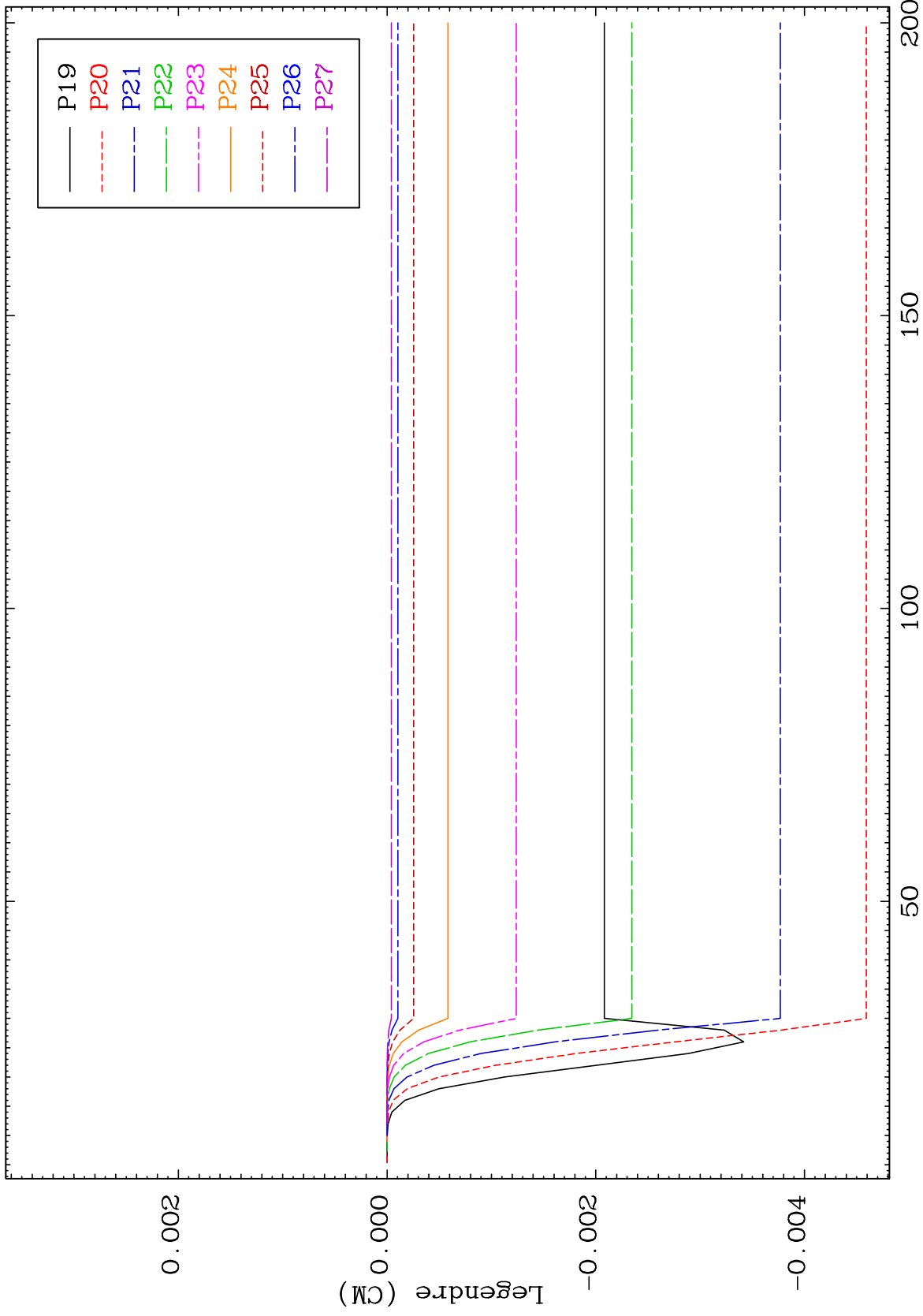
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

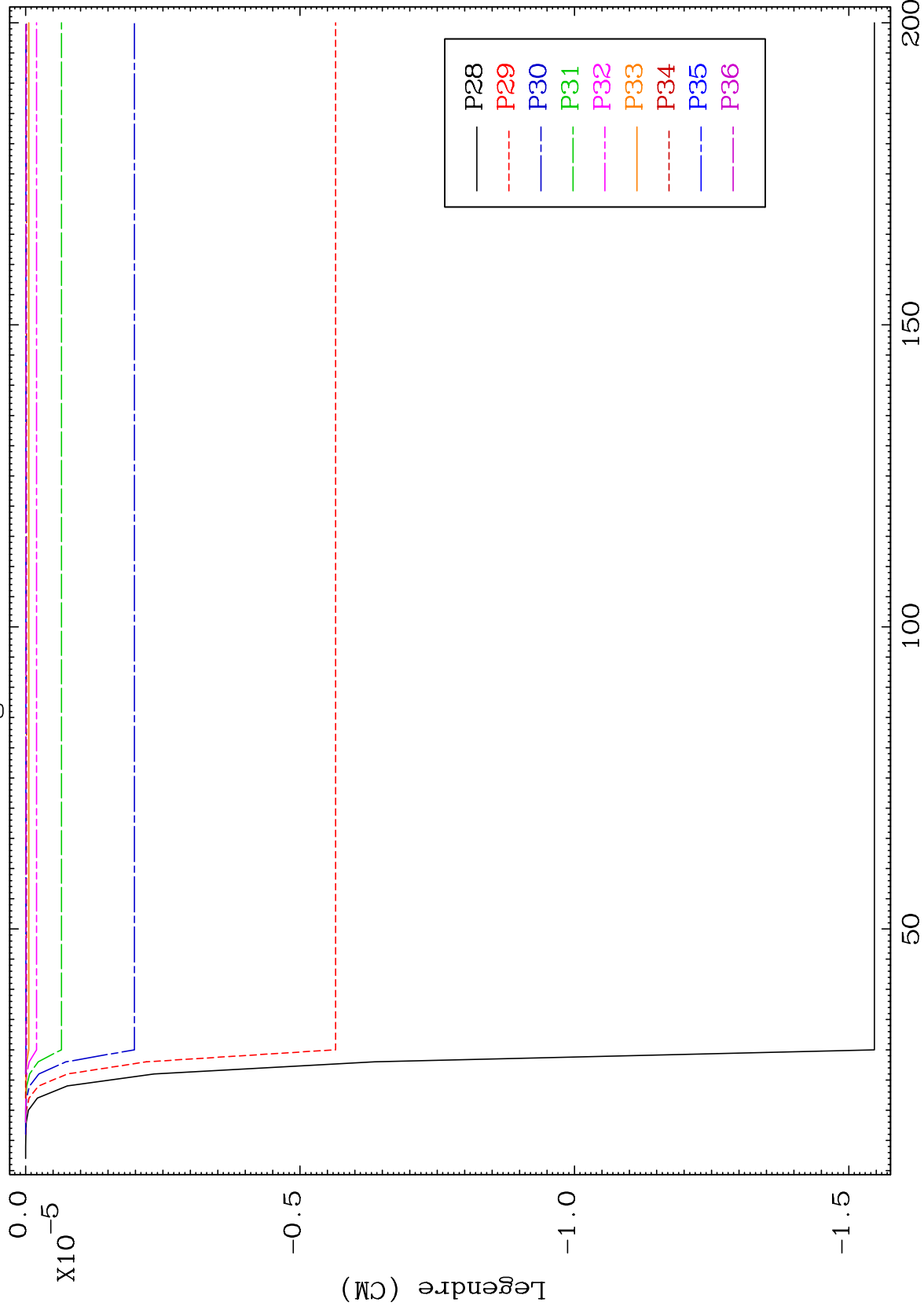
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32

Incident Energy (MeV)

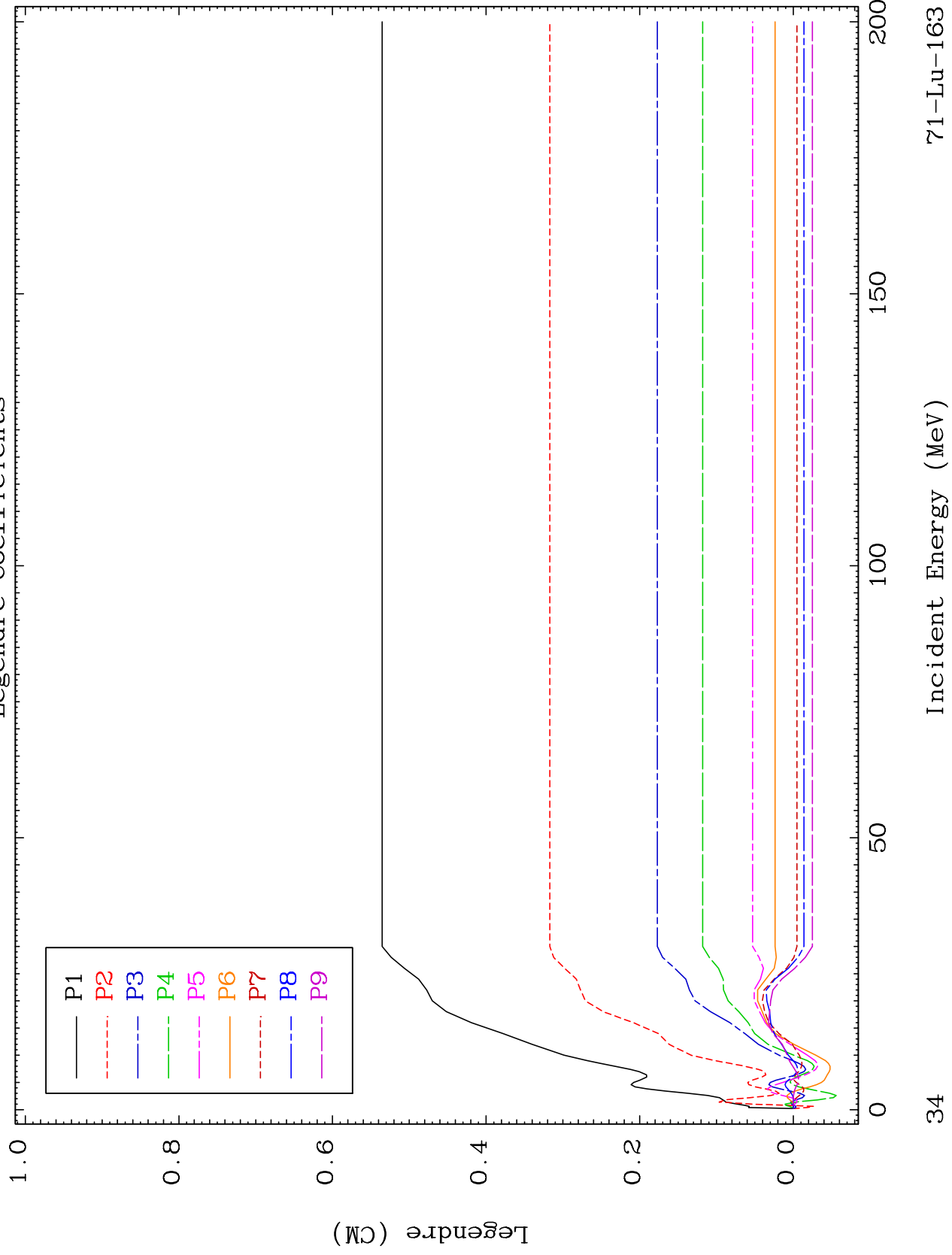
71-Lu-163



MAT 7089

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

71-Lu-163

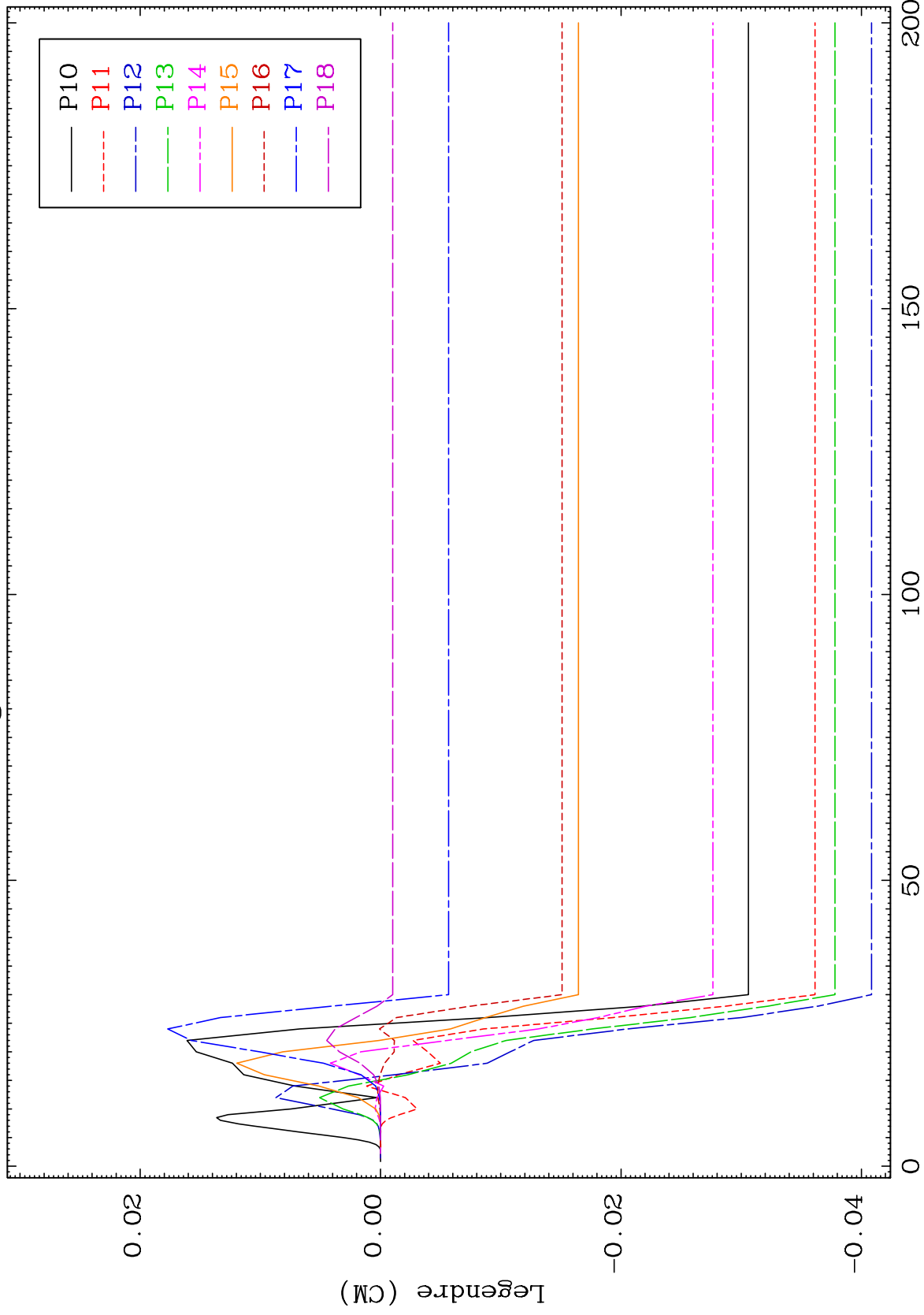


34

MAT 7089

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

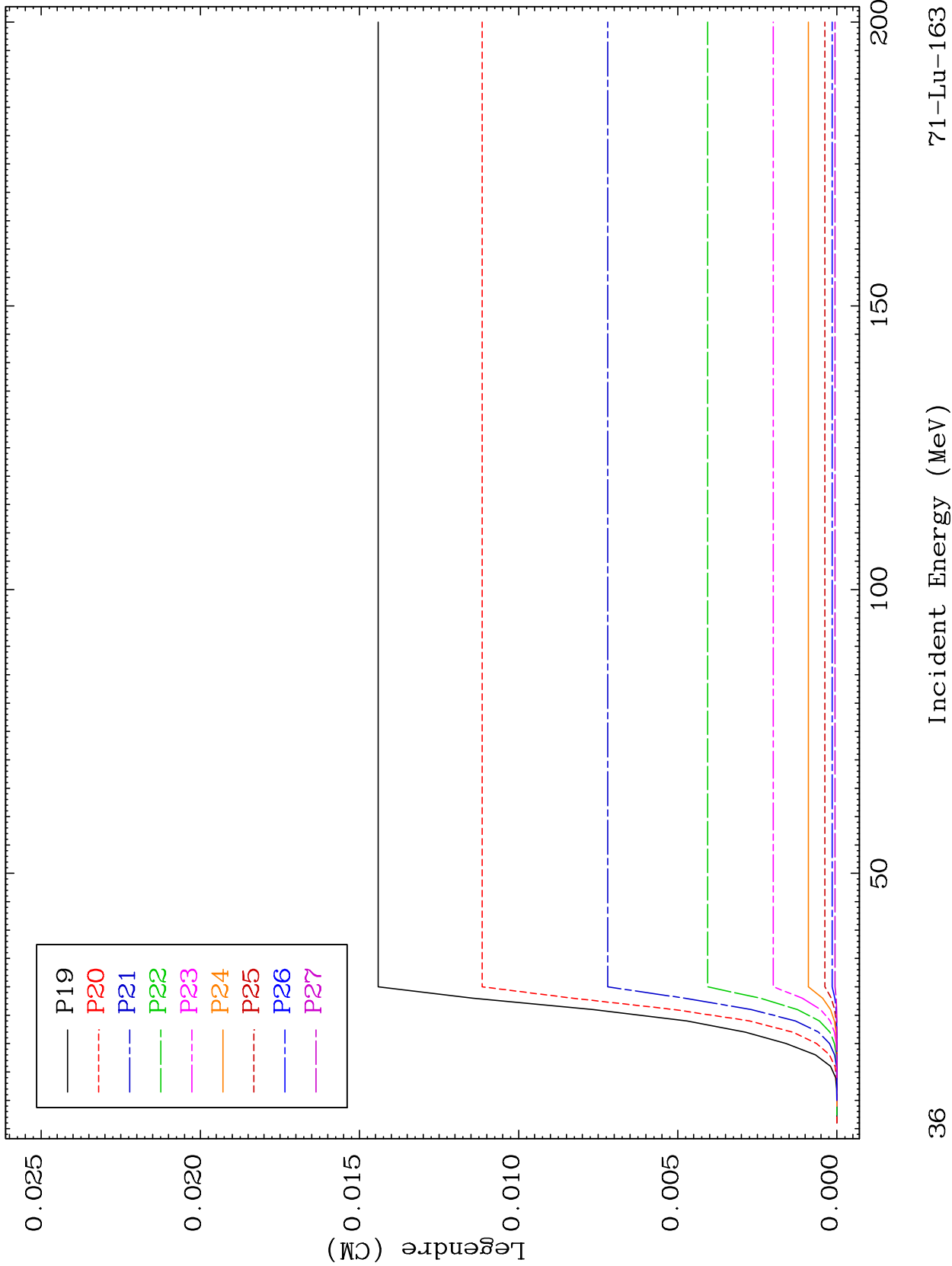
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35

Incident Energy (MeV)

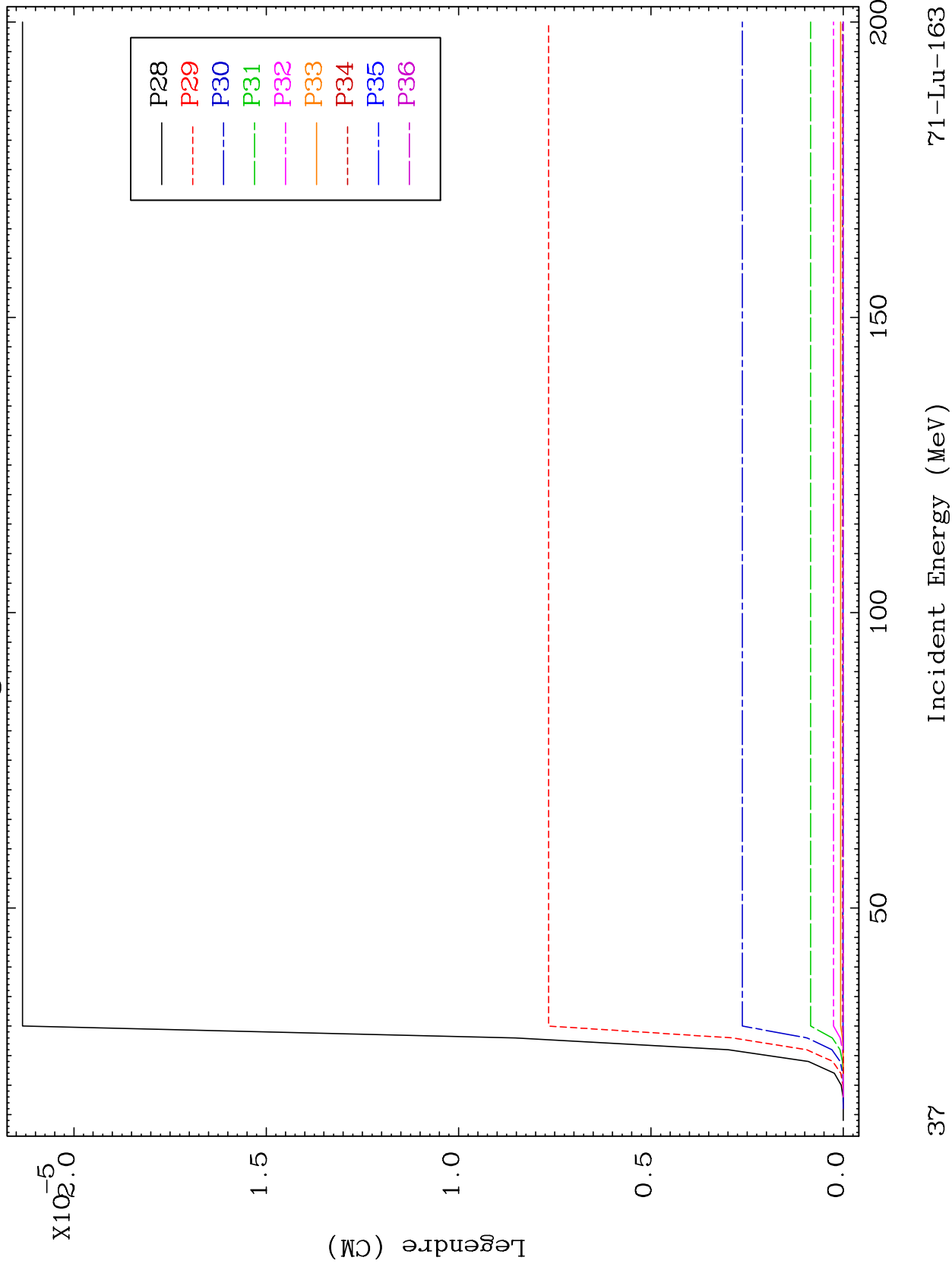
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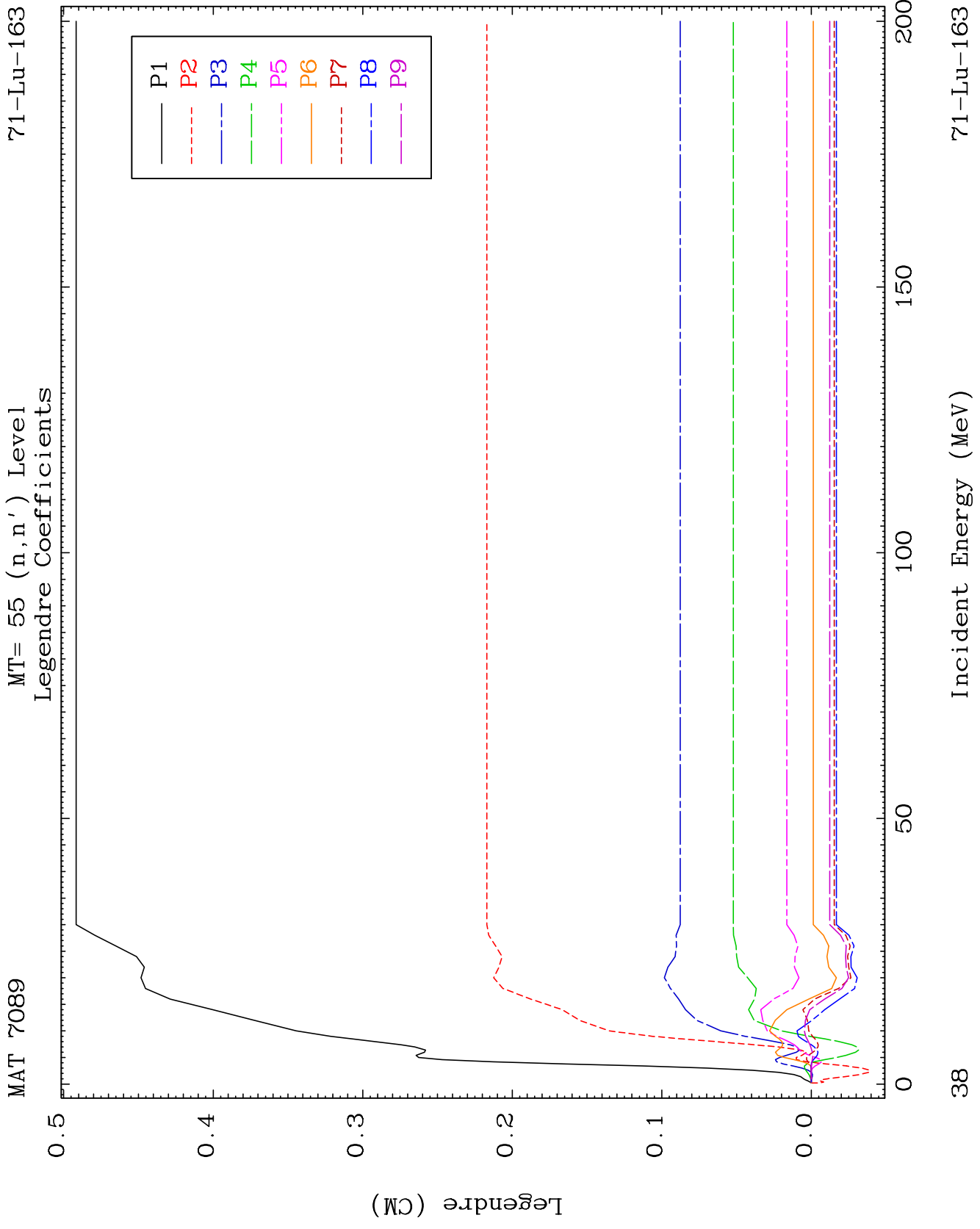


MAT 7089

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

71-Lu-163

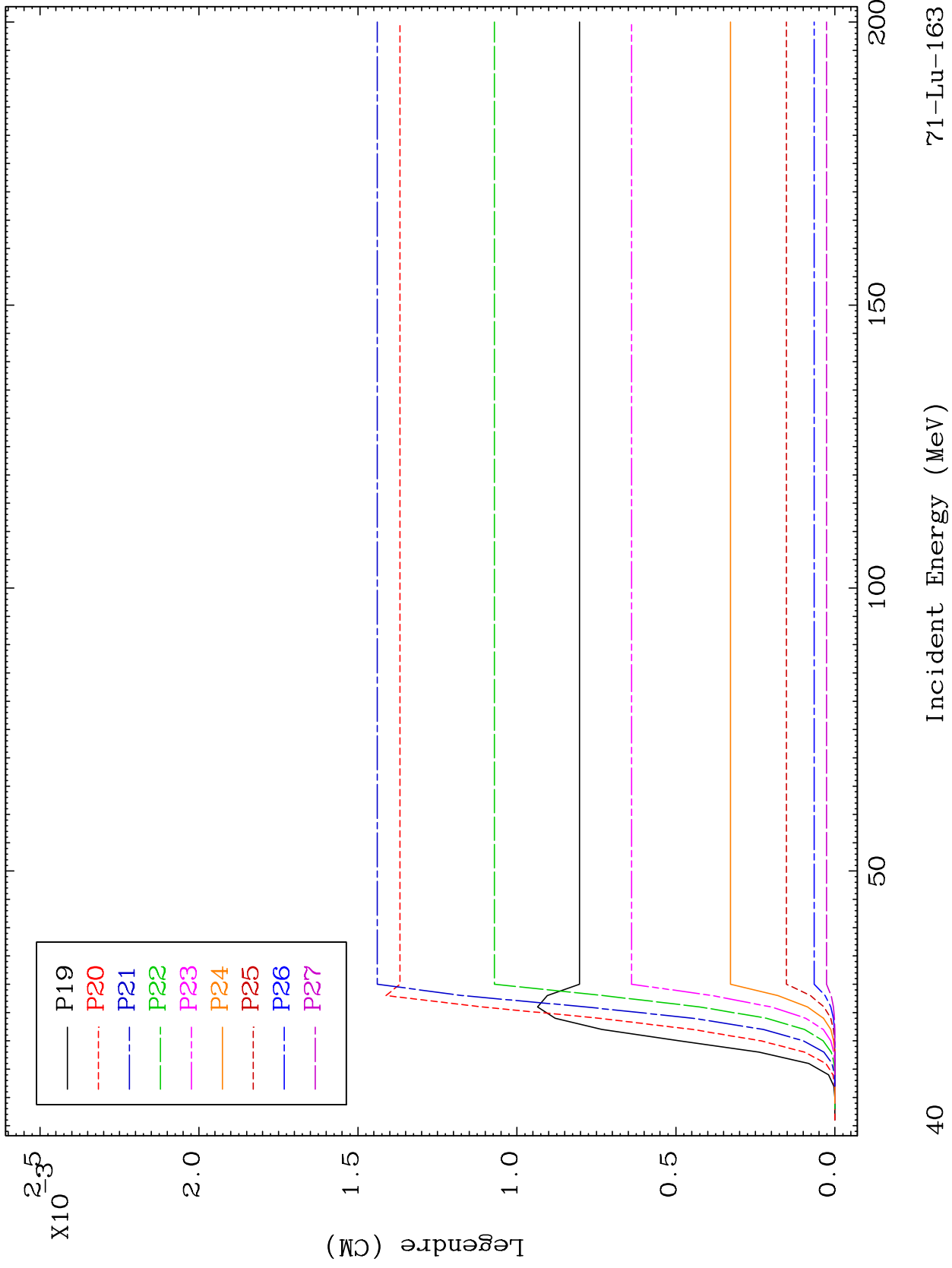




MAT 7089

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

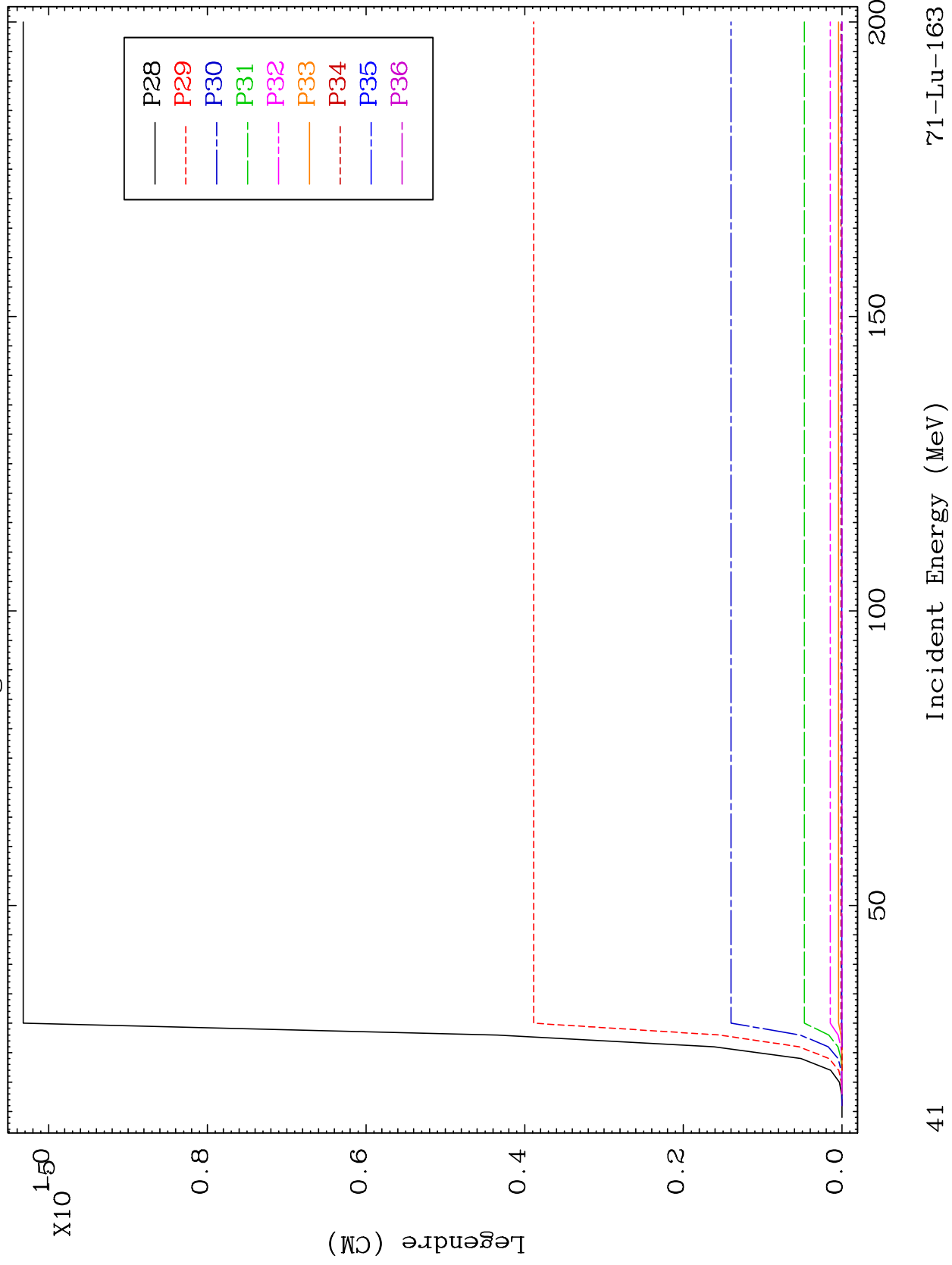
71-Lu-163



MAT 7089

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

71-Lu-163



41

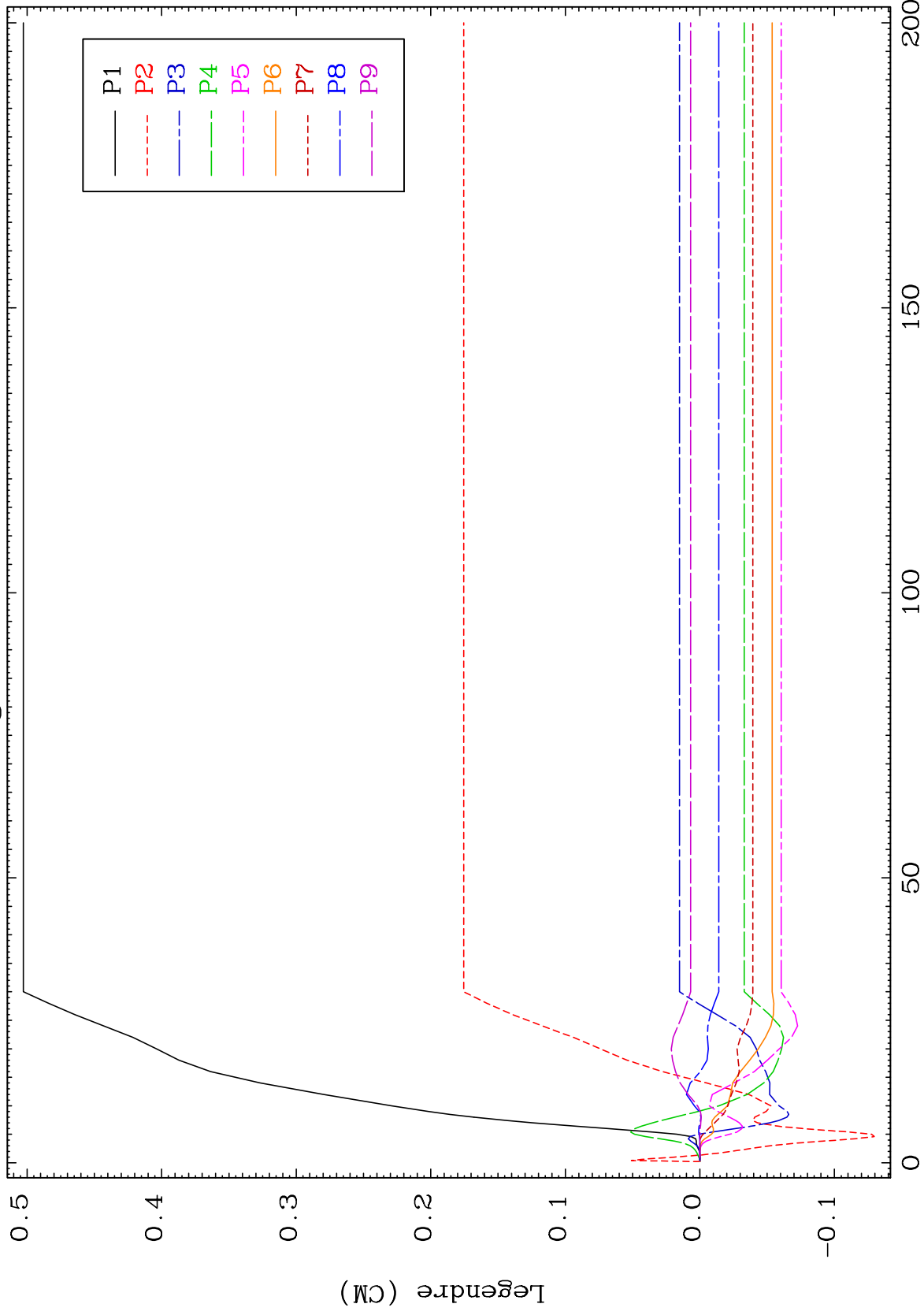
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



42

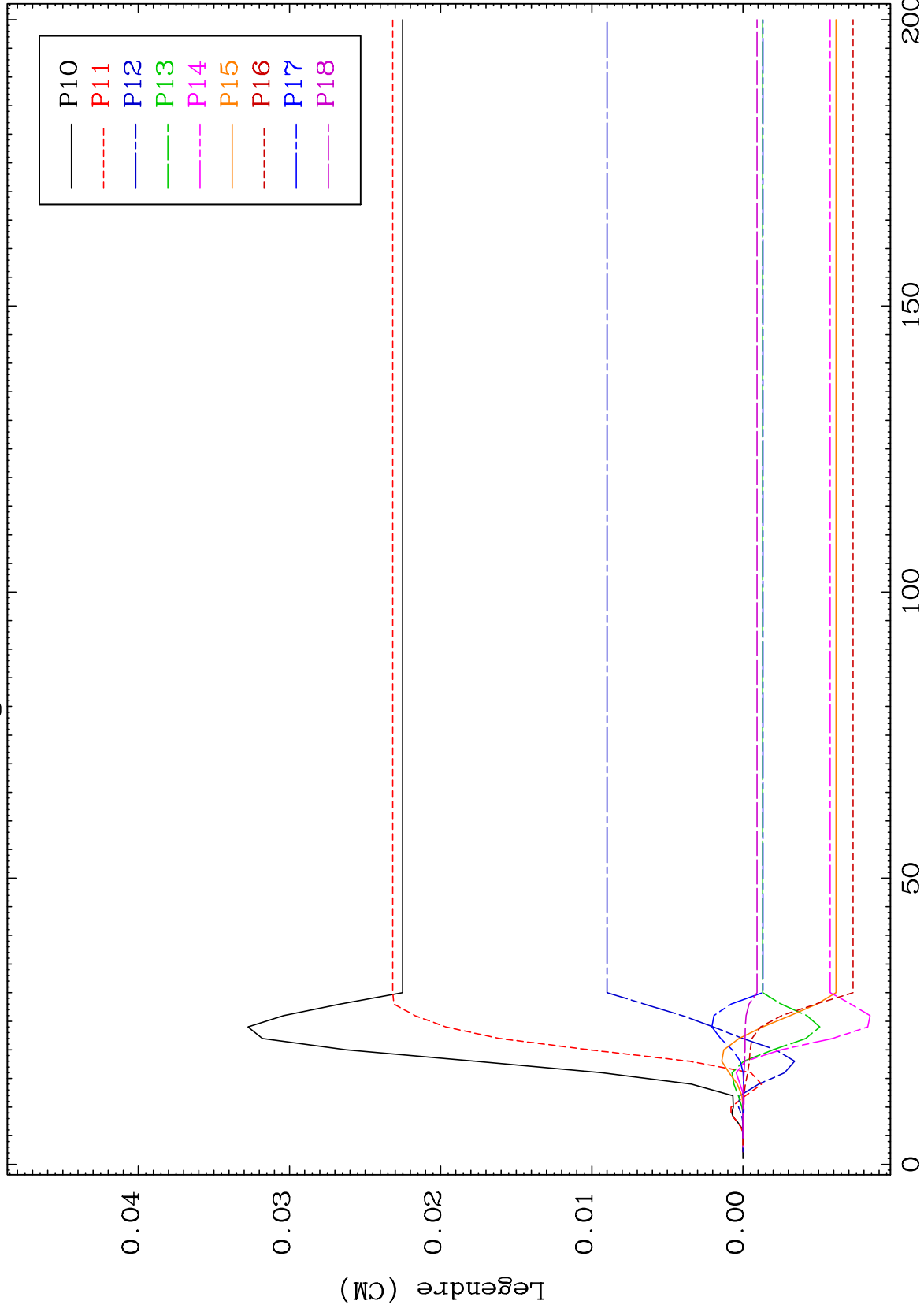
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

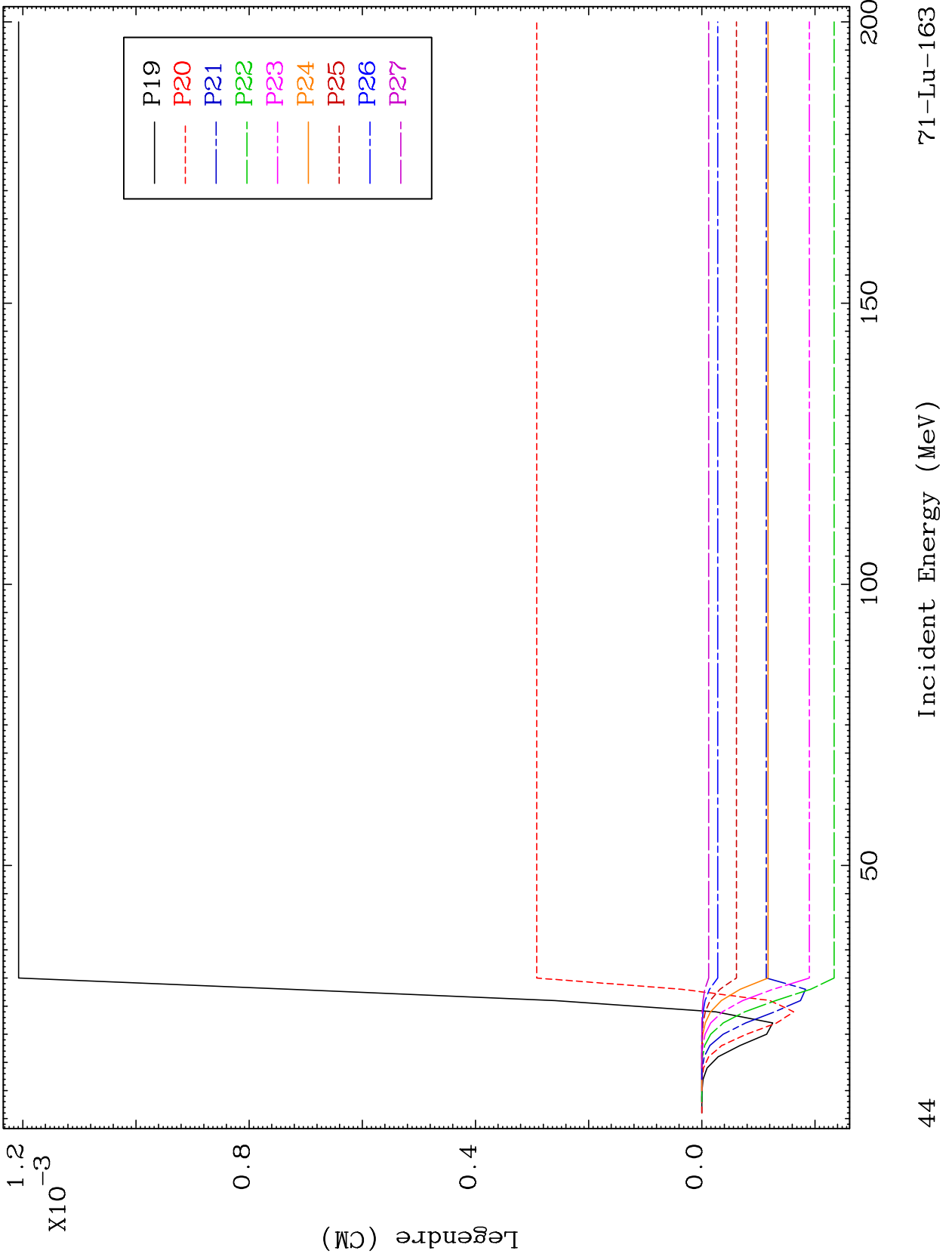
71-Lu-163



43

Incident Energy (MeV)

71-Lu-163

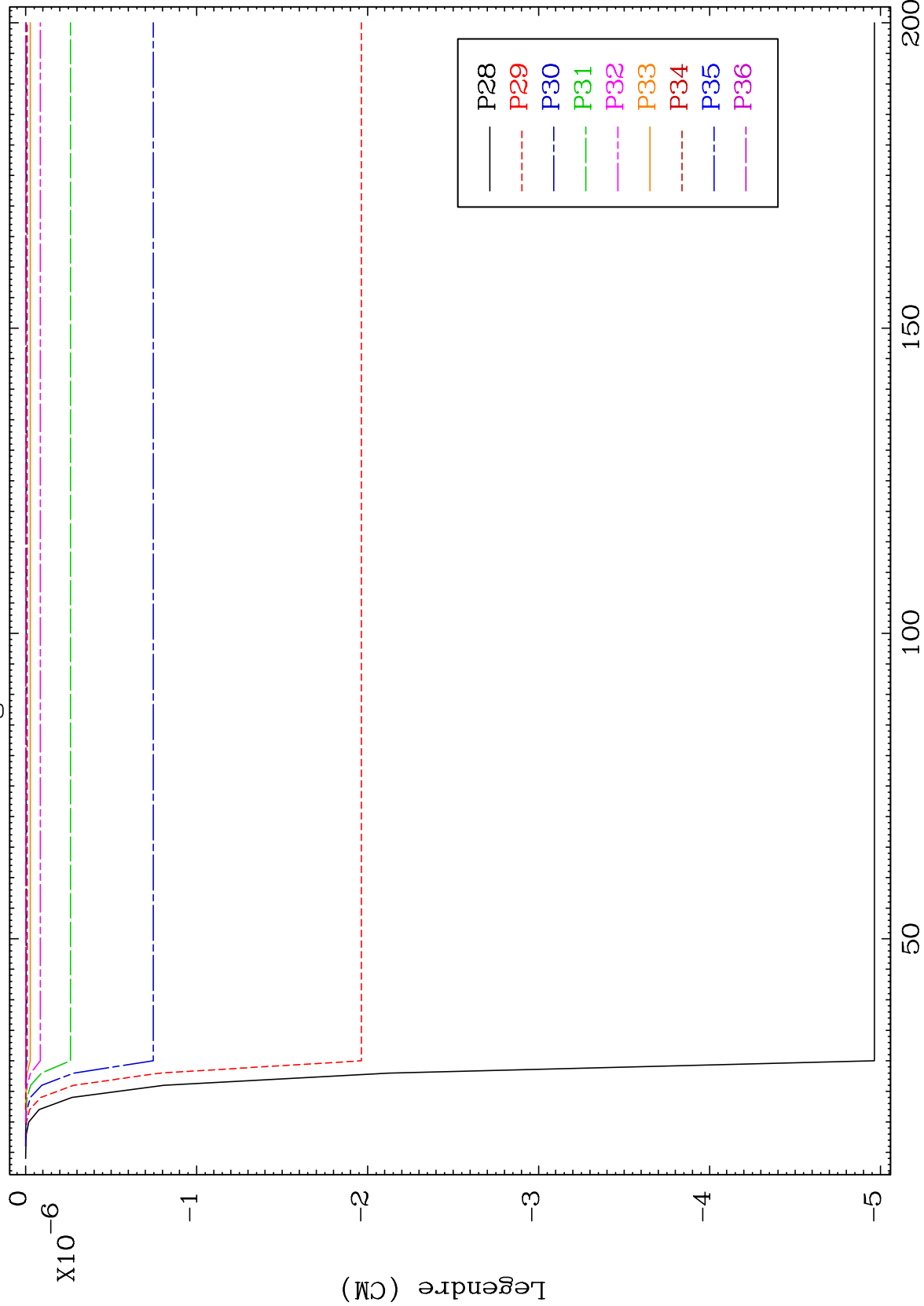


MAT 7089

MT= 56 (n,n') Level

71-Lu-163

Legendre Coefficients



45

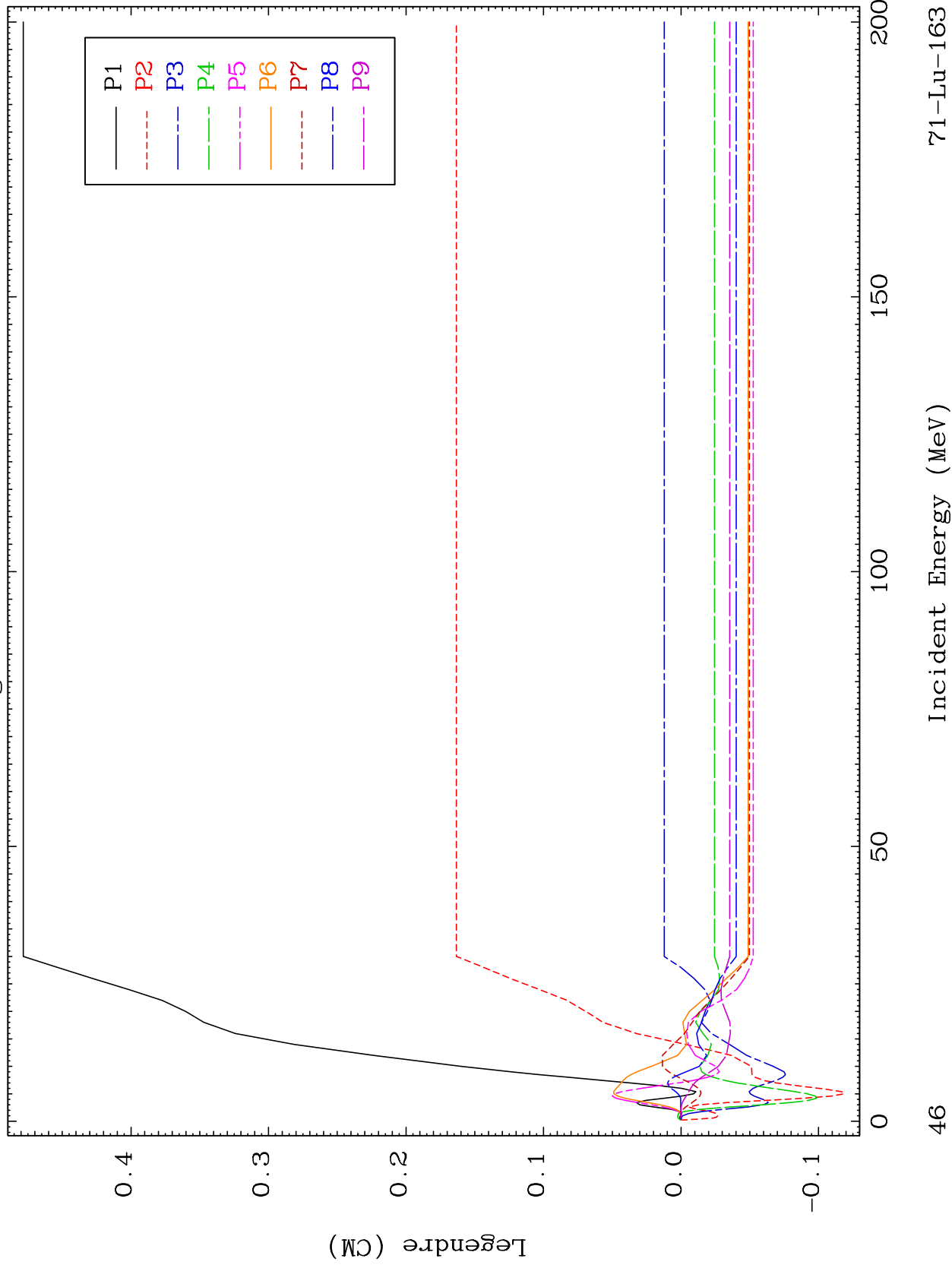
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



71-Lu-163

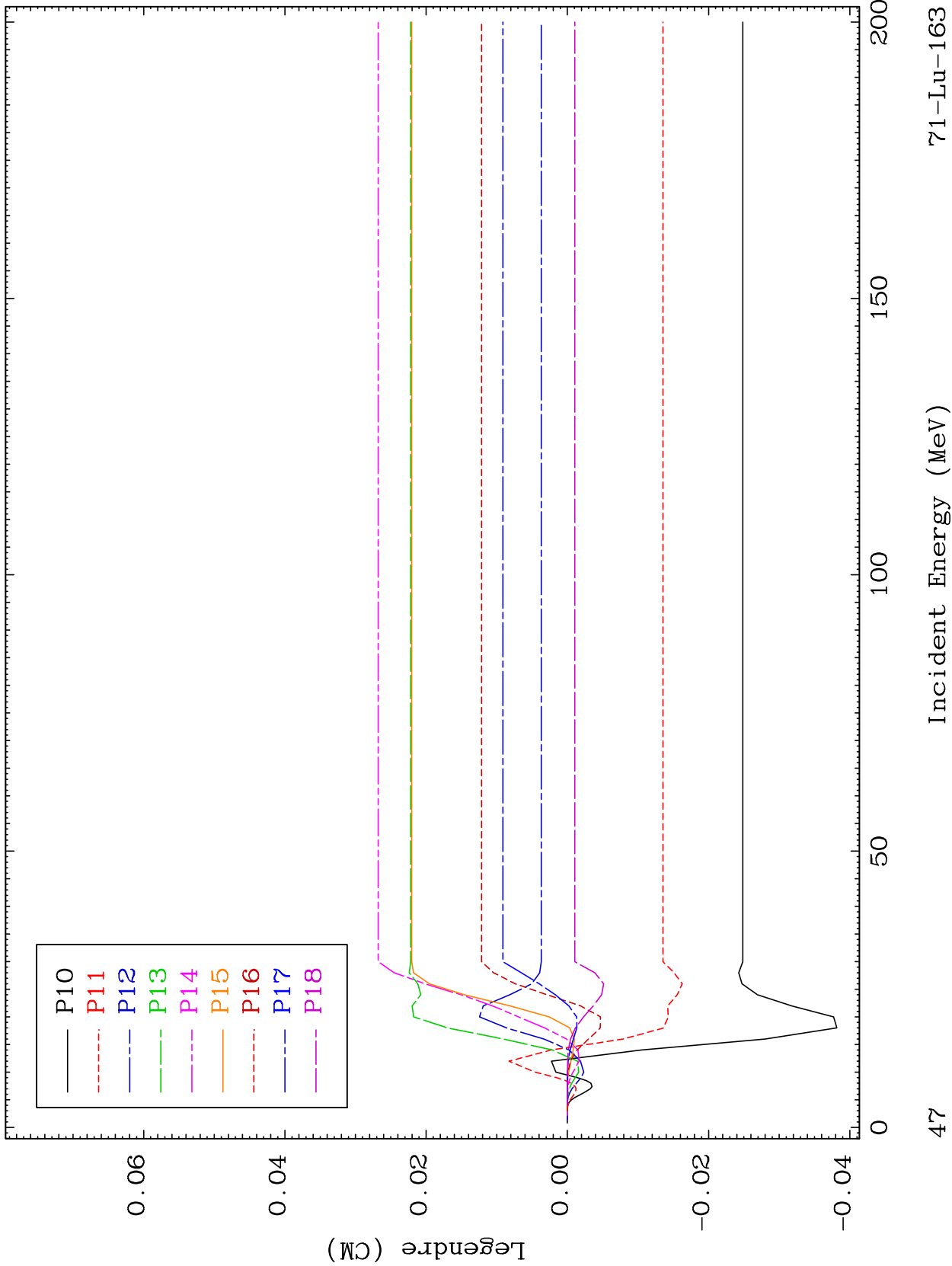
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46

MAT 7089

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

71-Lu-163



71-Lu-163

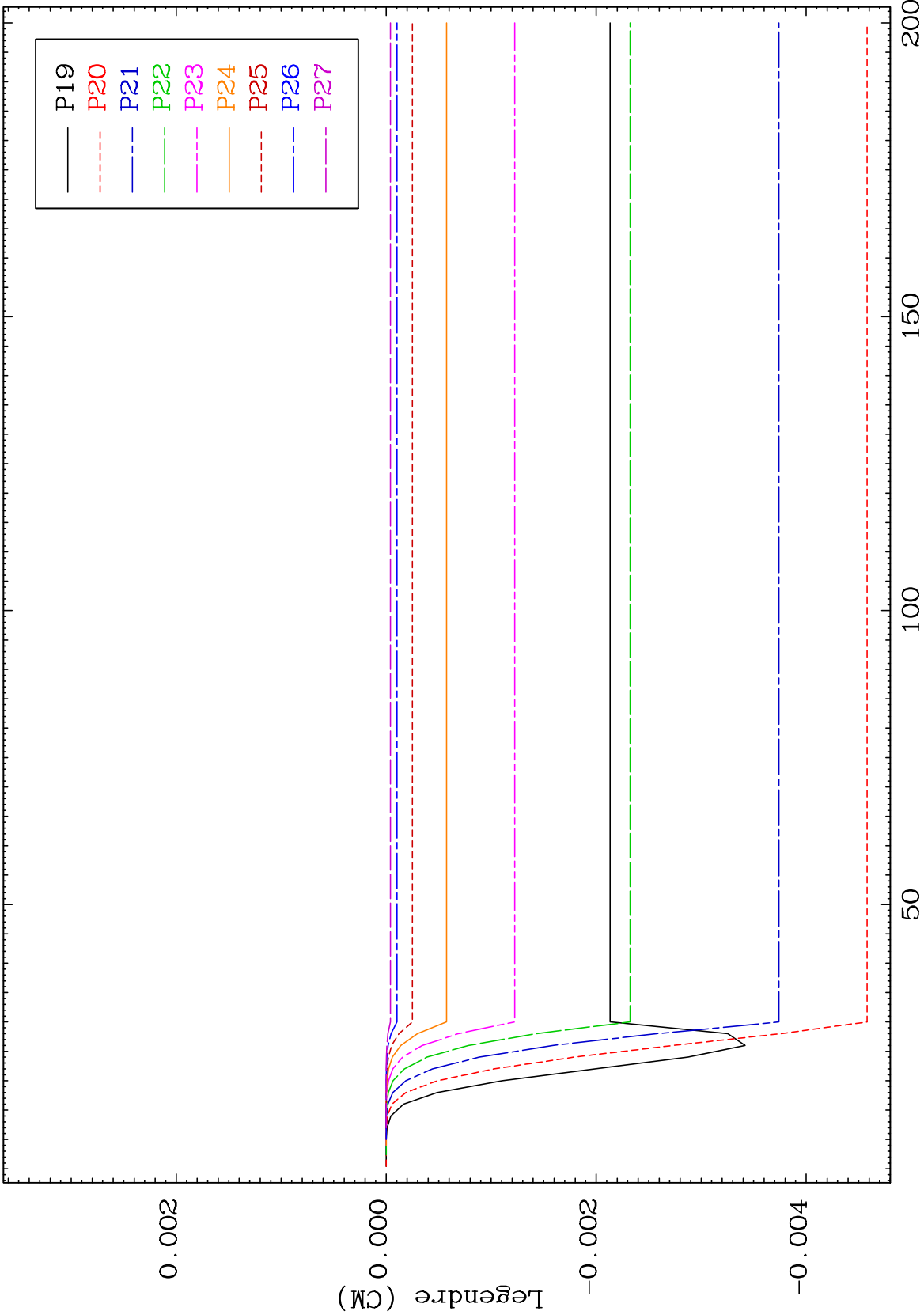
Incident Energy (MeV)

47

MAT 7089

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

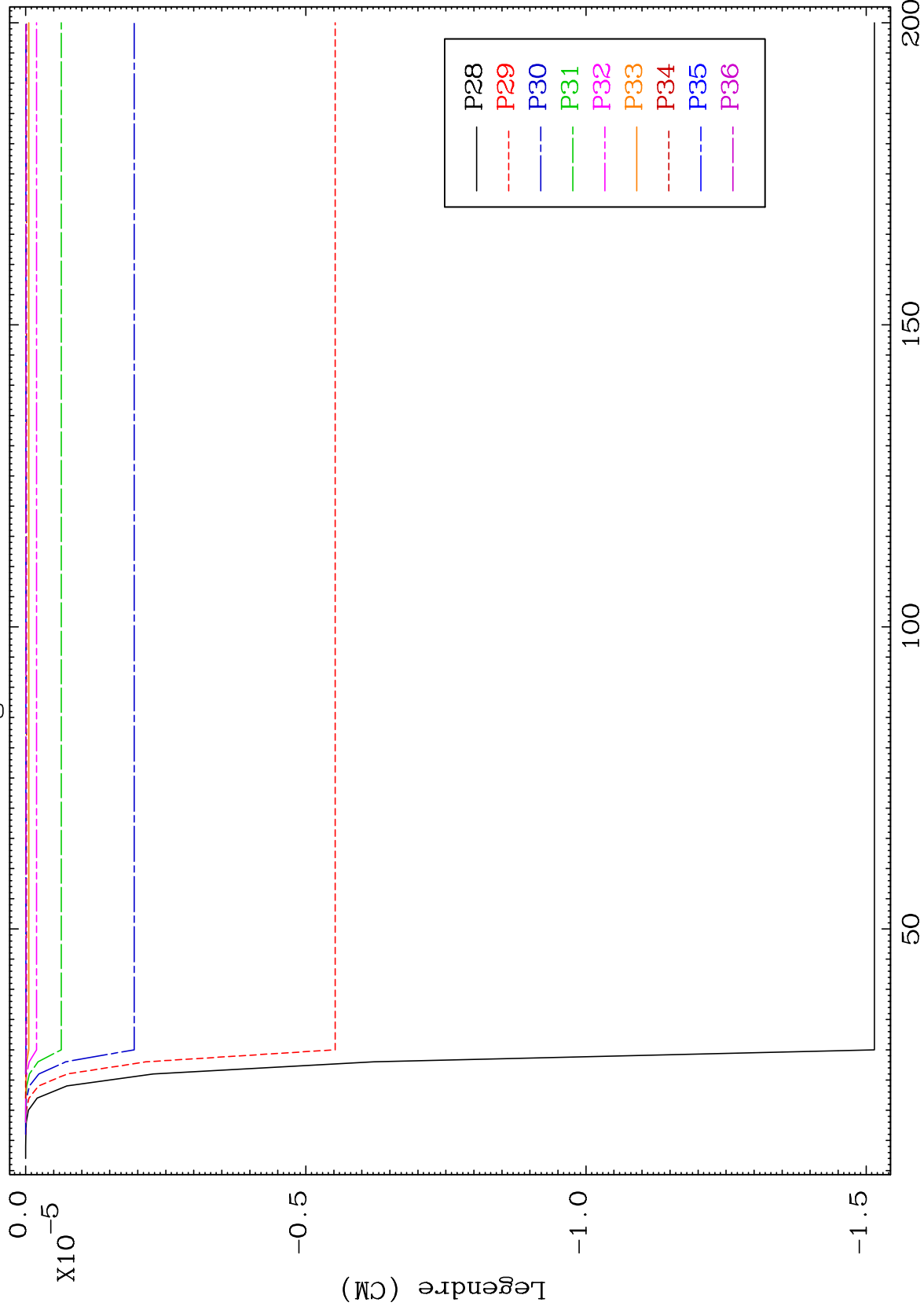
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48

Incident Energy (MeV)

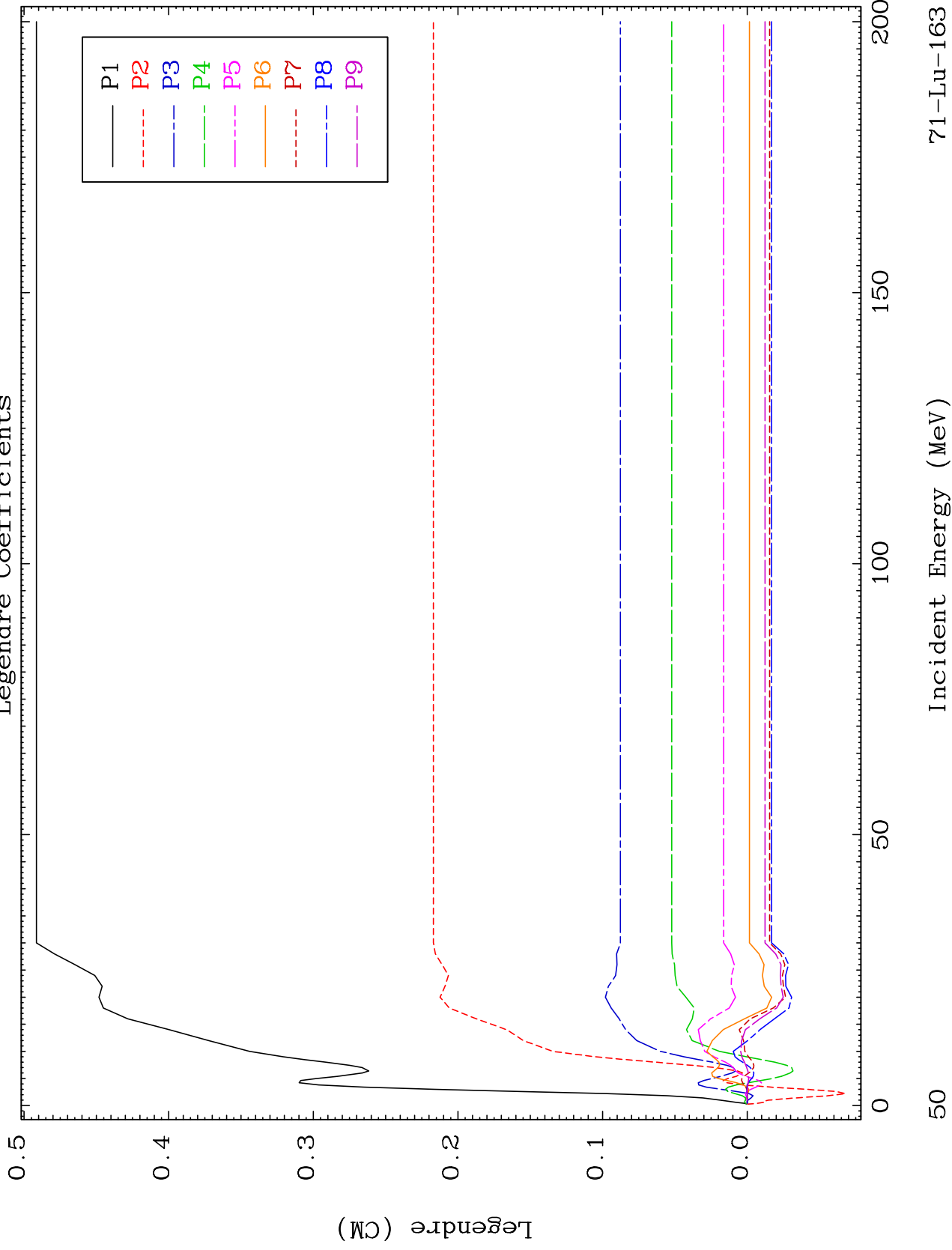
71-Lu-163



MAT 7089

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

71-Lu-163



71-Lu-163

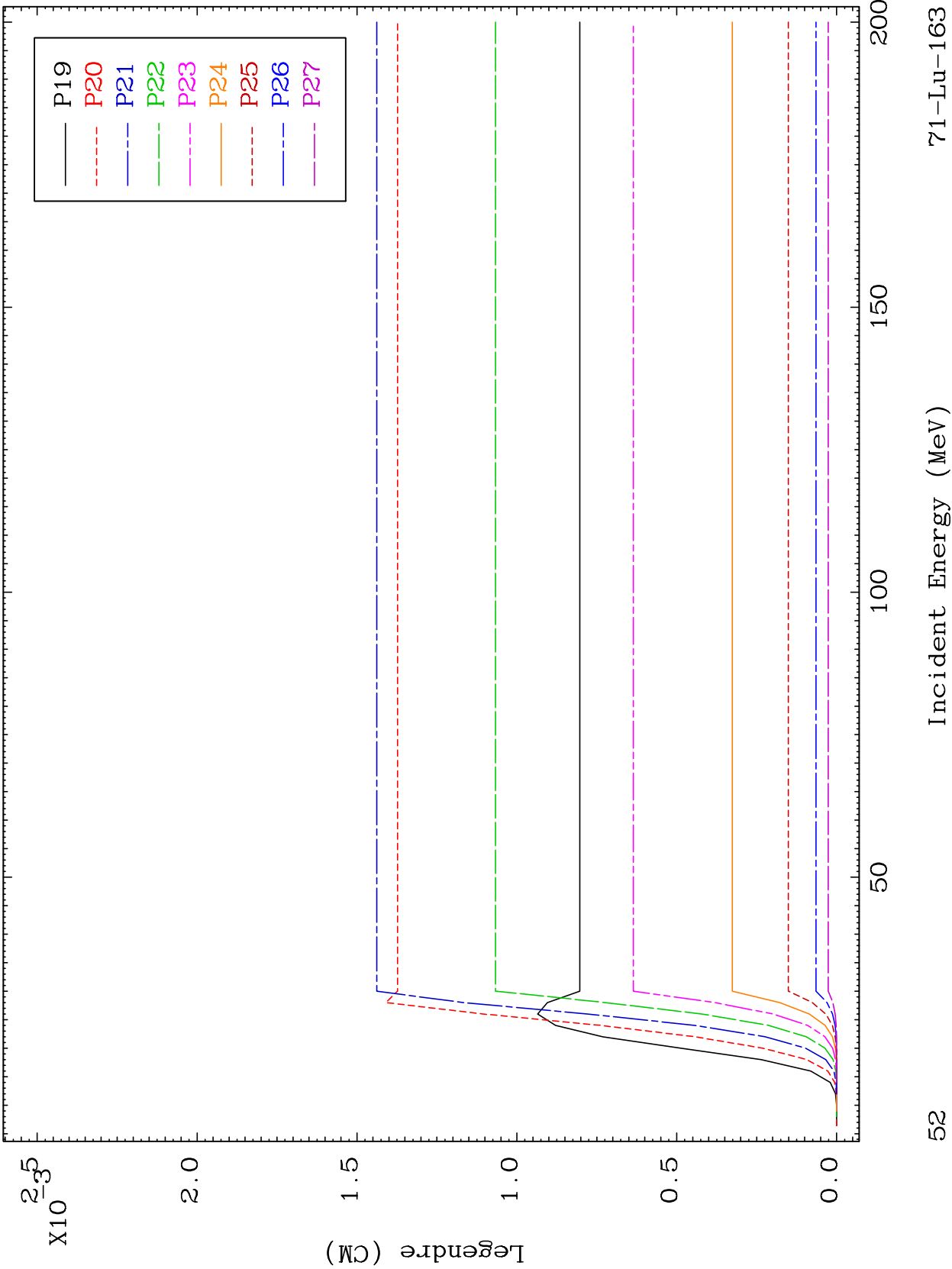
Incident Energy (MeV)

50

MAT 7089

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

71-Lu-163



52

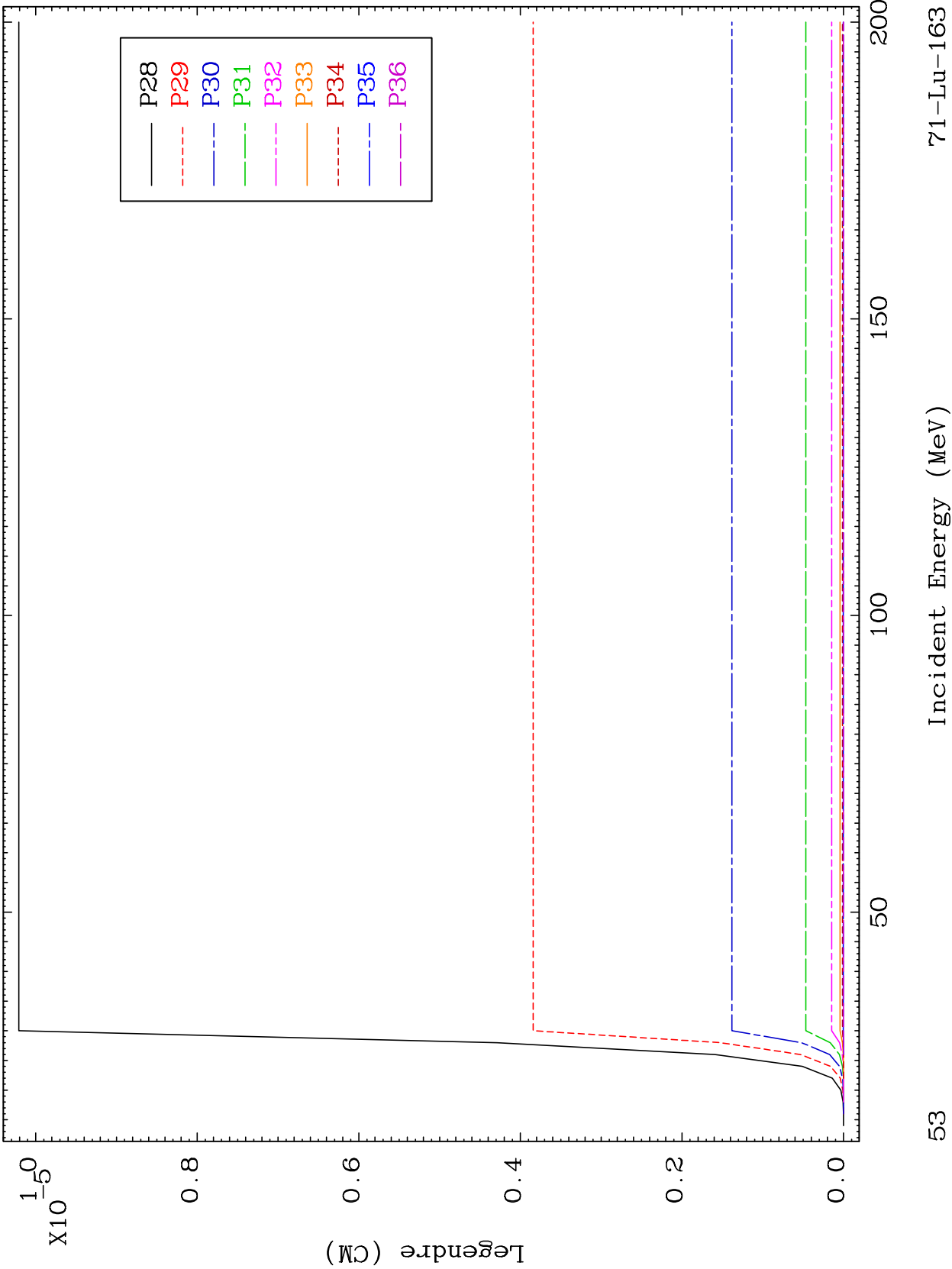
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

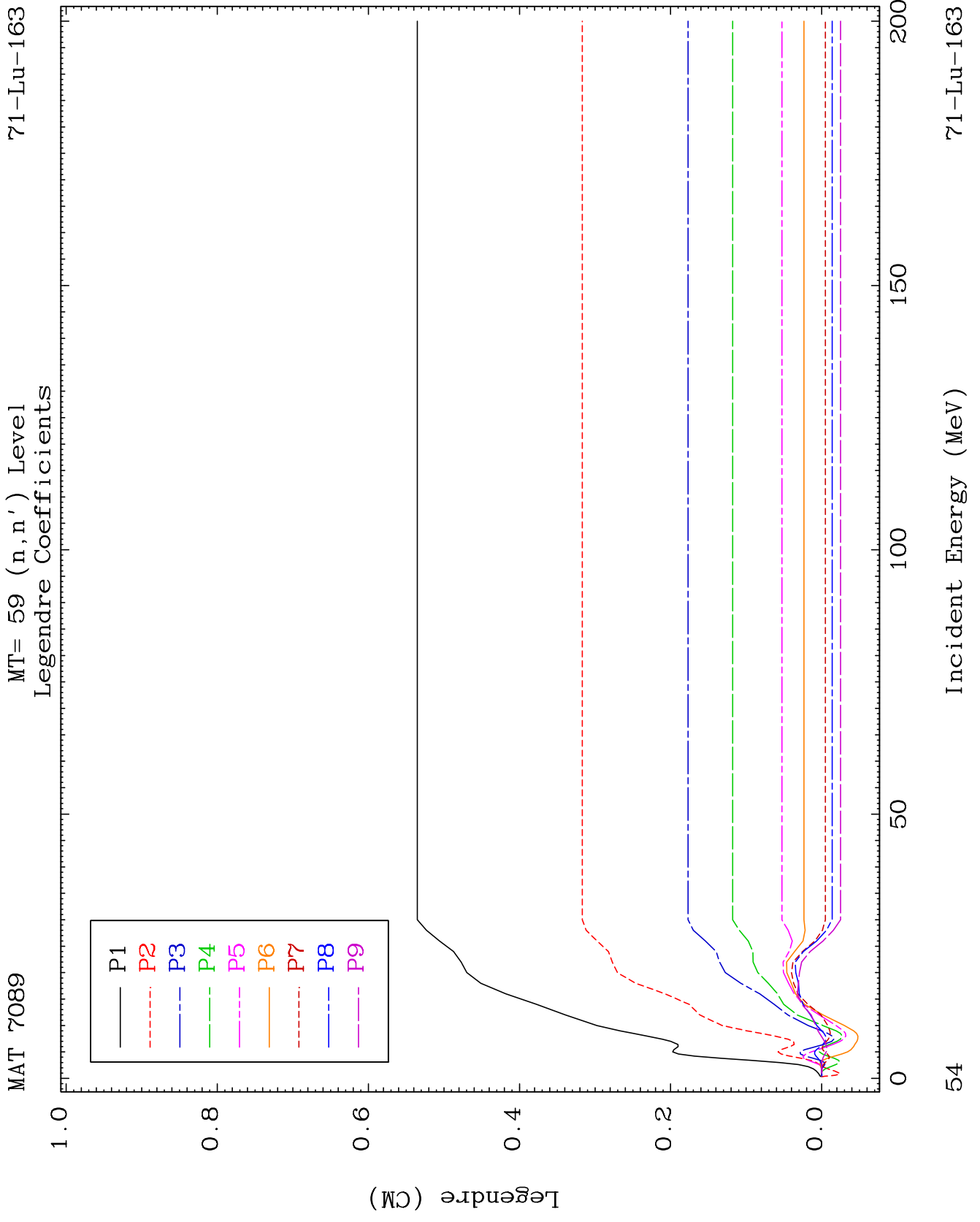
71-Lu-163



53

Incident Energy (MeV)

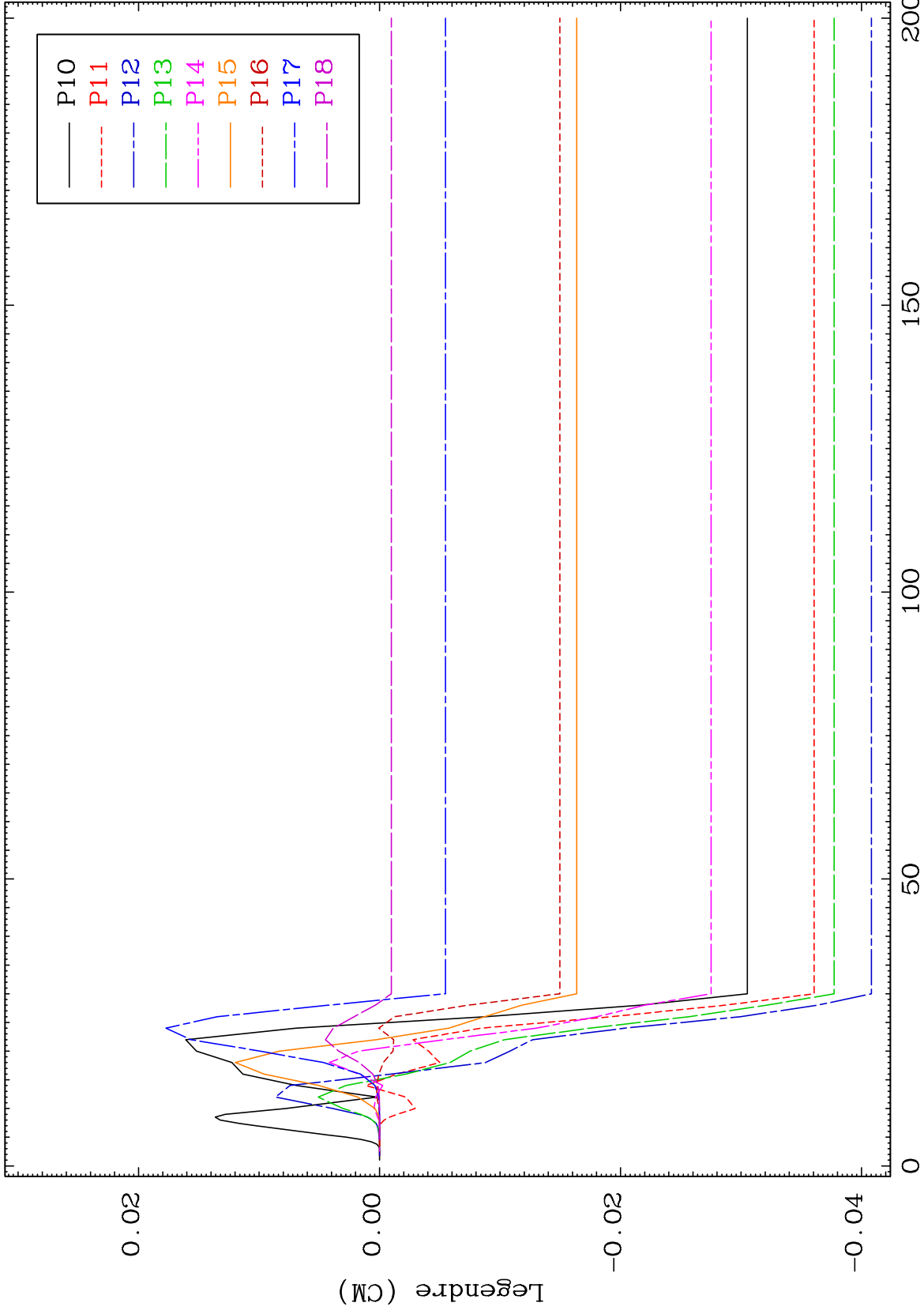
71-Lu-163



MAT 7089

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

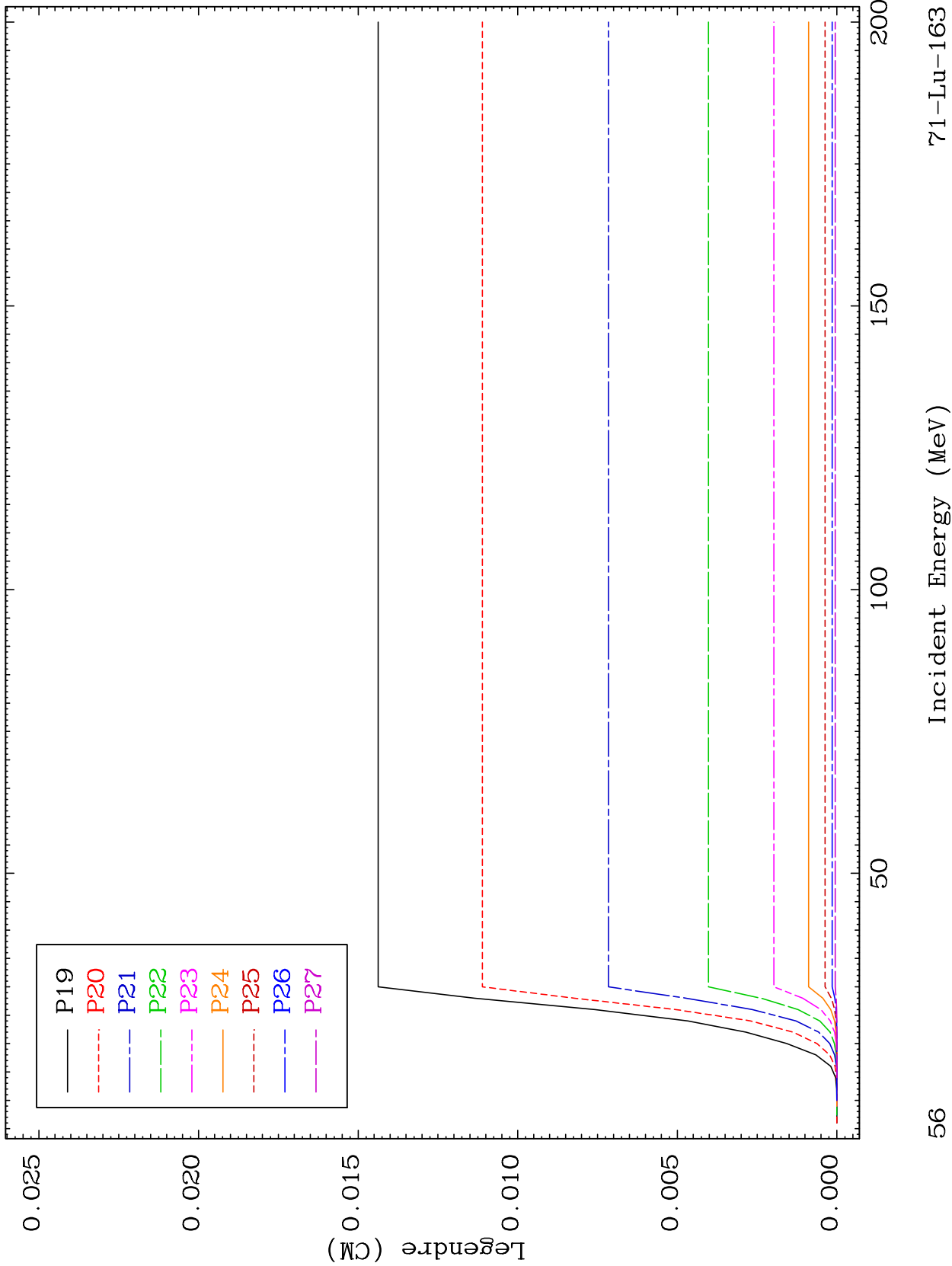
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55

Incident Energy (MeV)

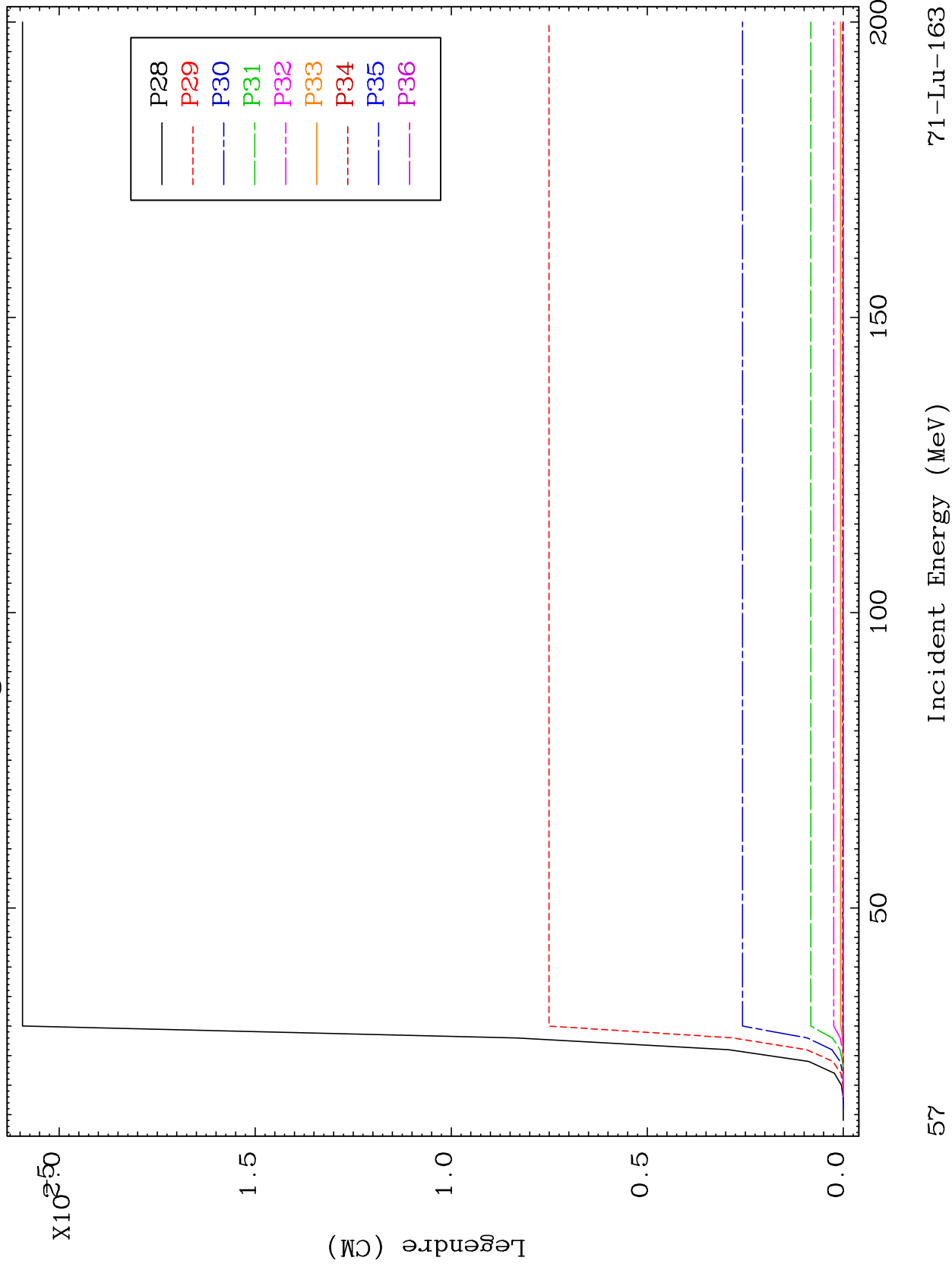
71-Lu-163



MAT 7089

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

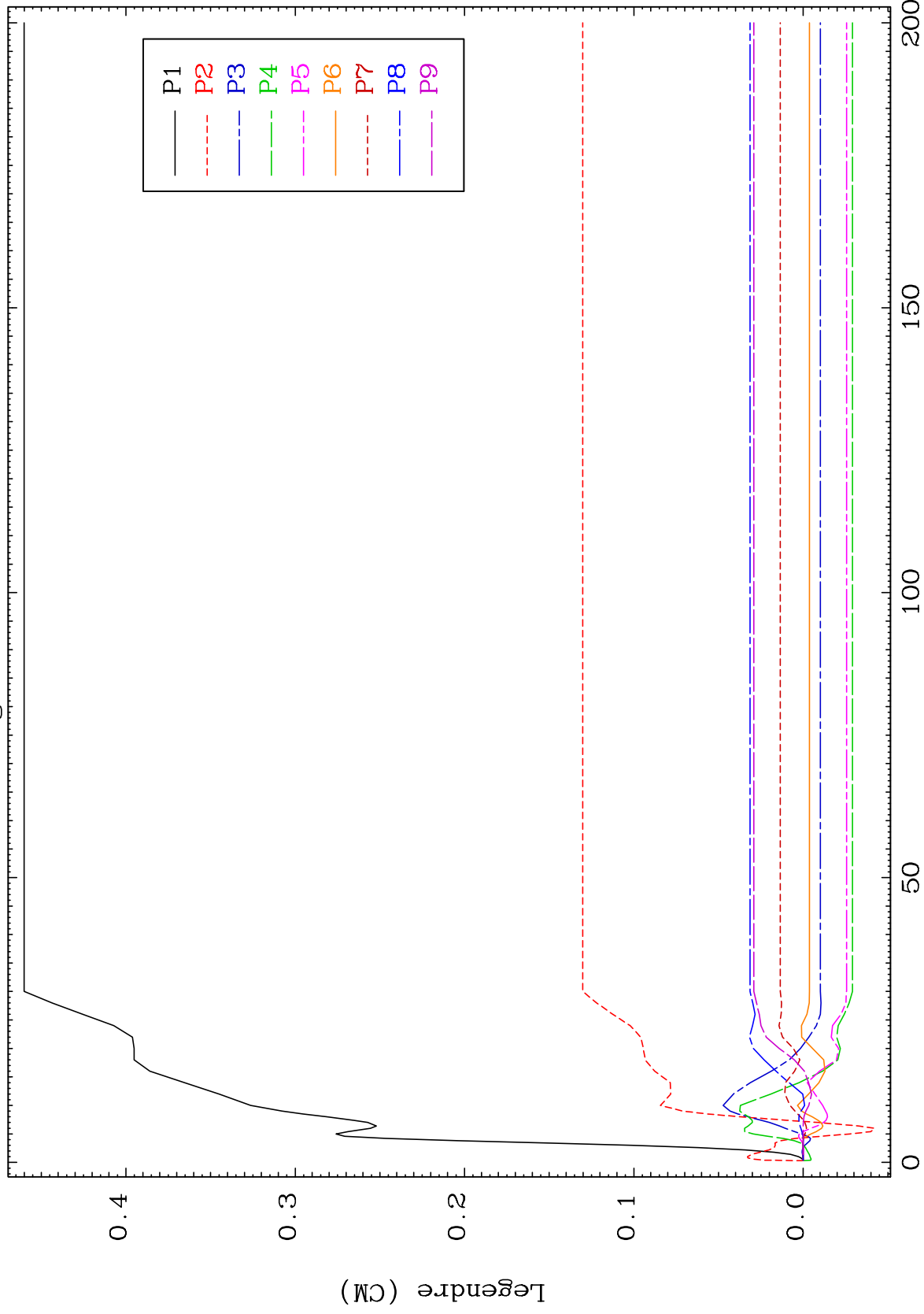
71-Lu-163



MAT 7089

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

71-Lu-163



58

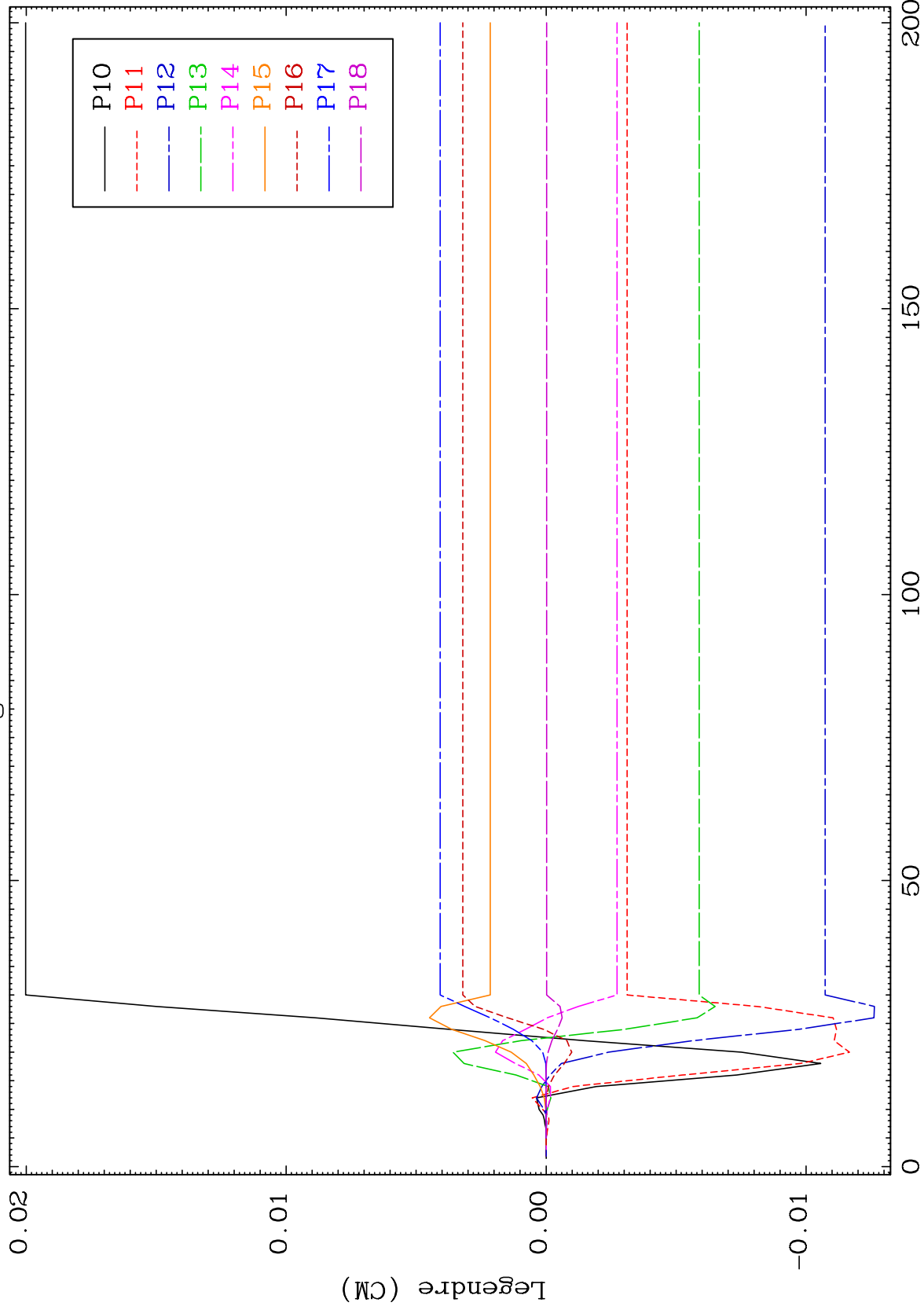
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



59

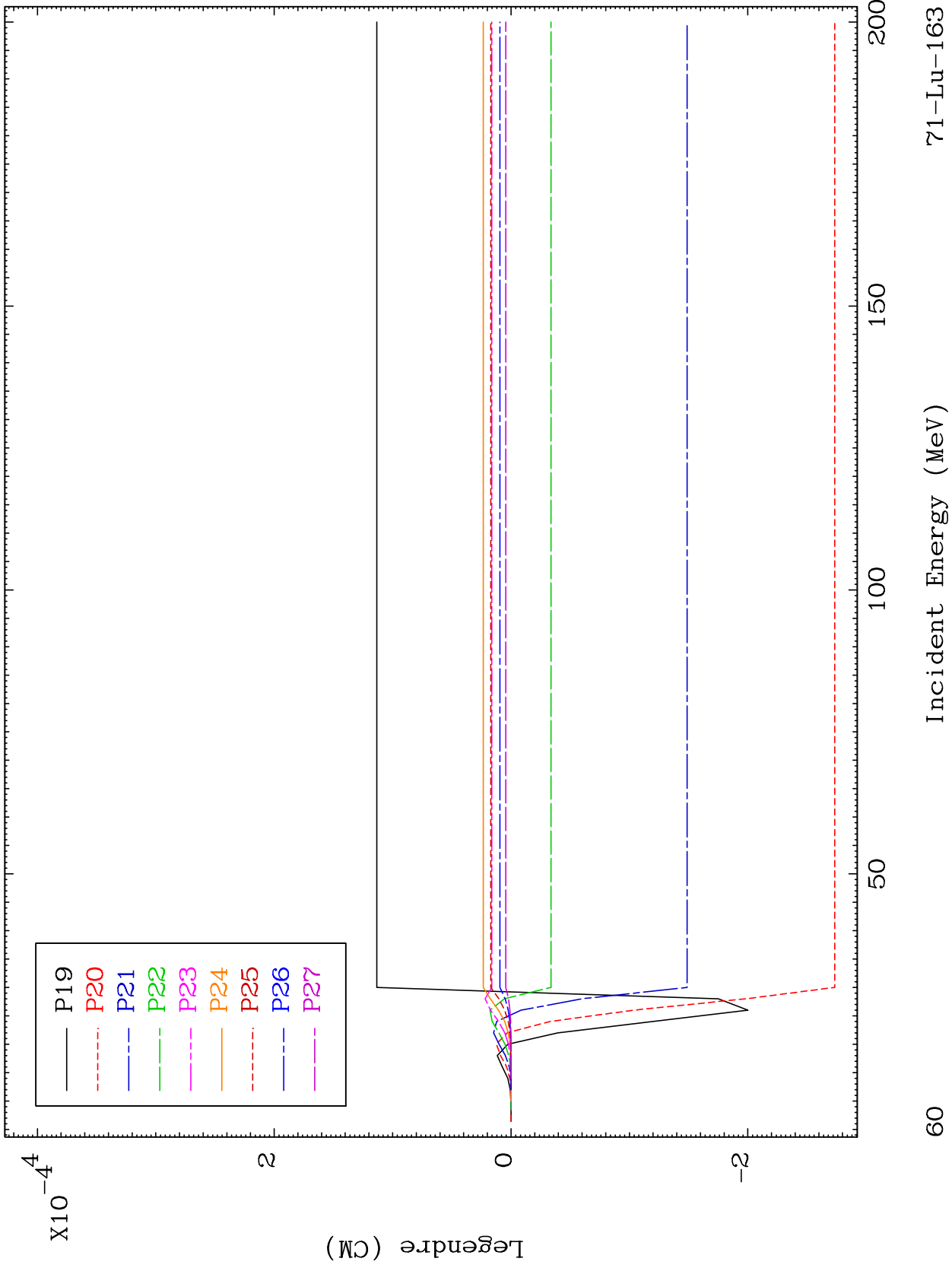
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



60

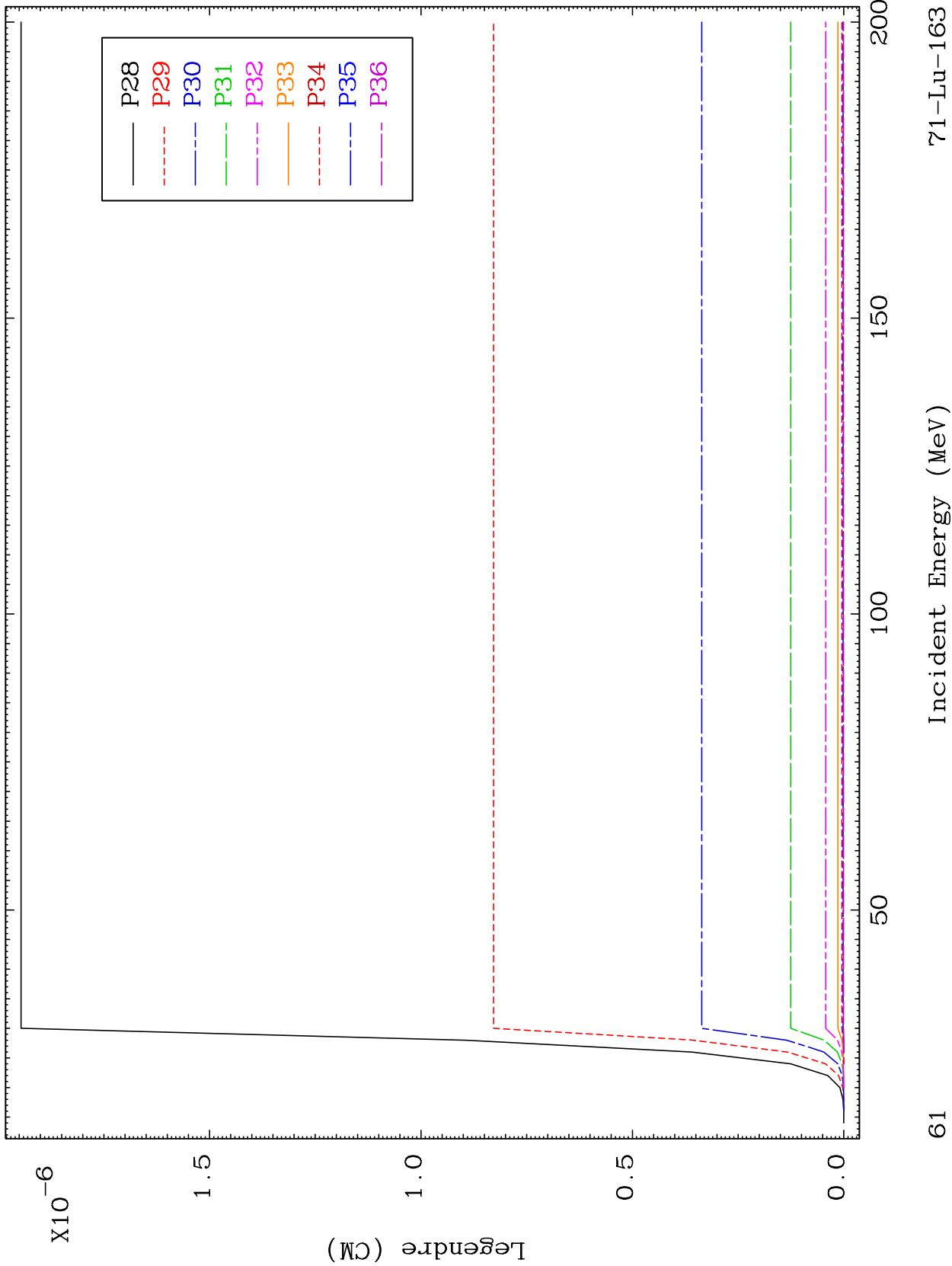
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



61

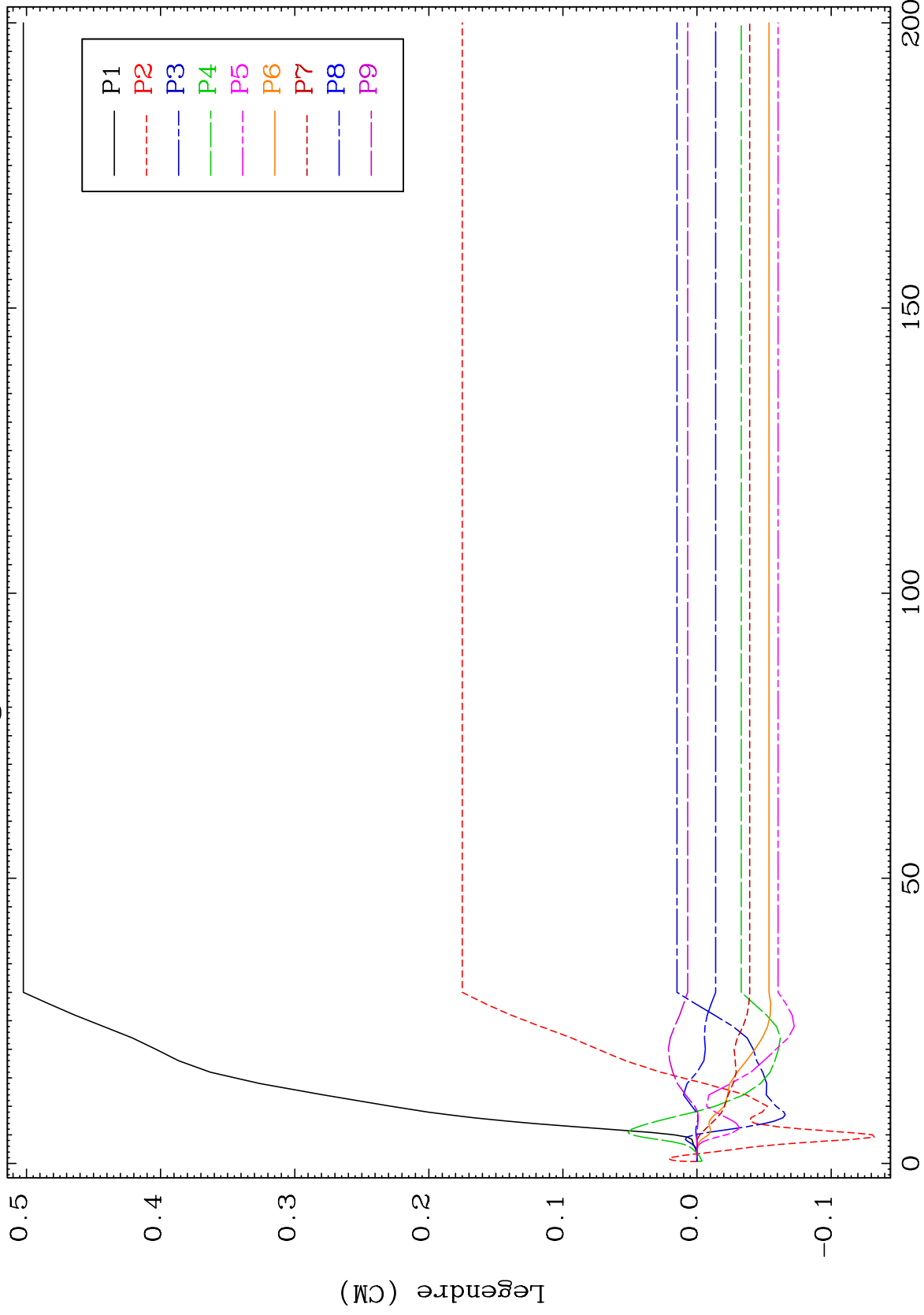
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



62

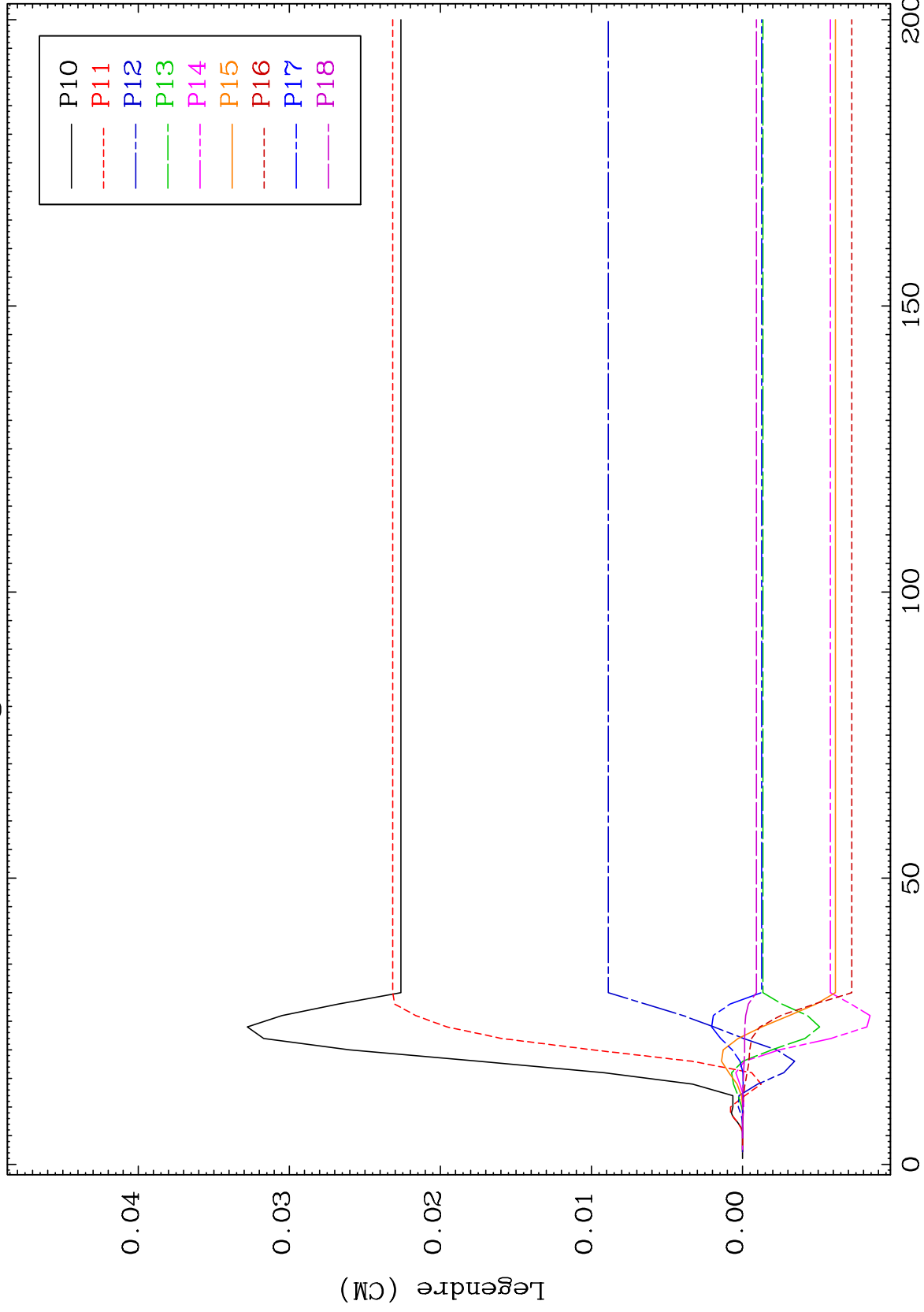
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



63

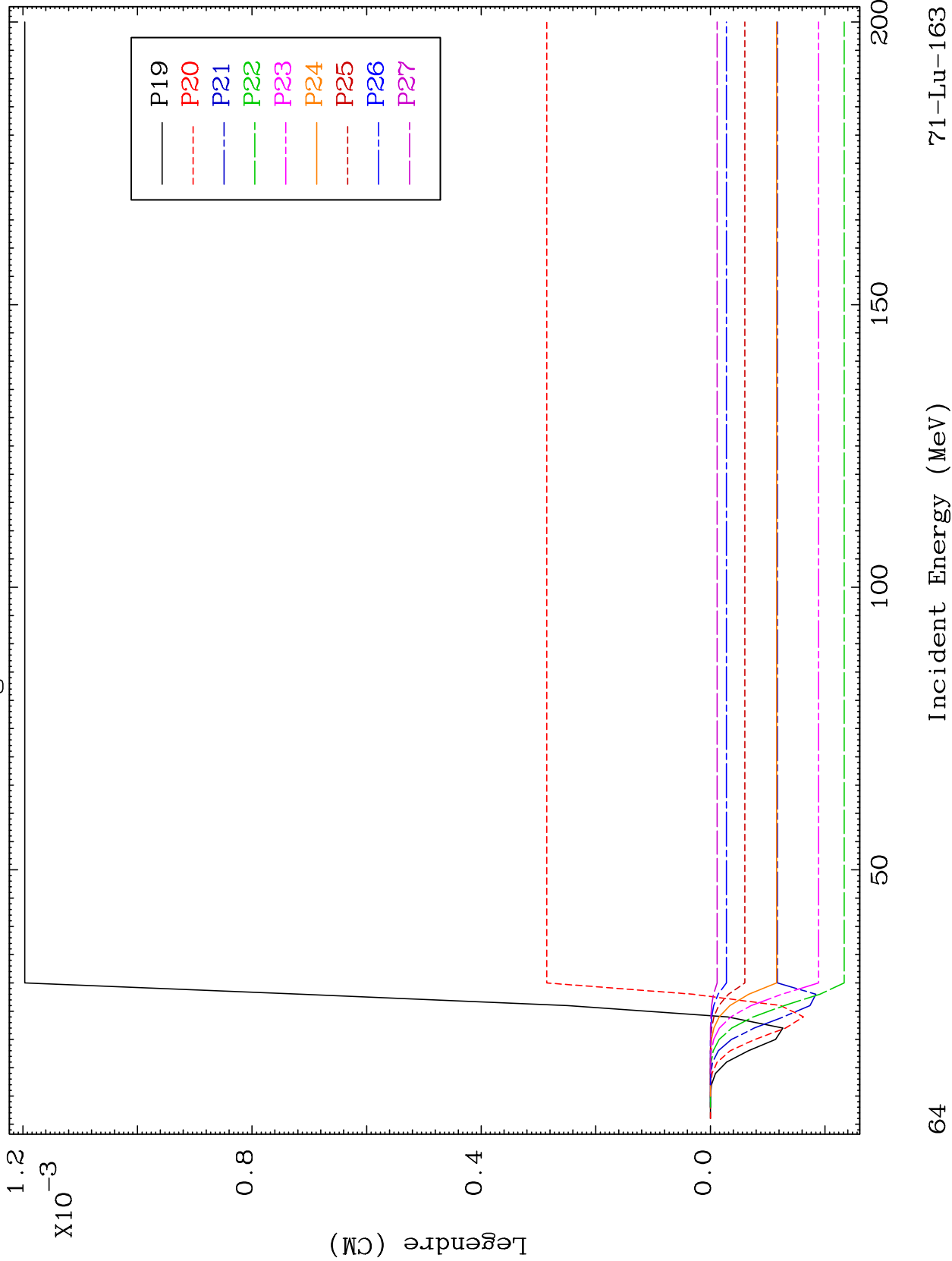
Incident Energy (MeV)

71-Lu-163

MAT 7089

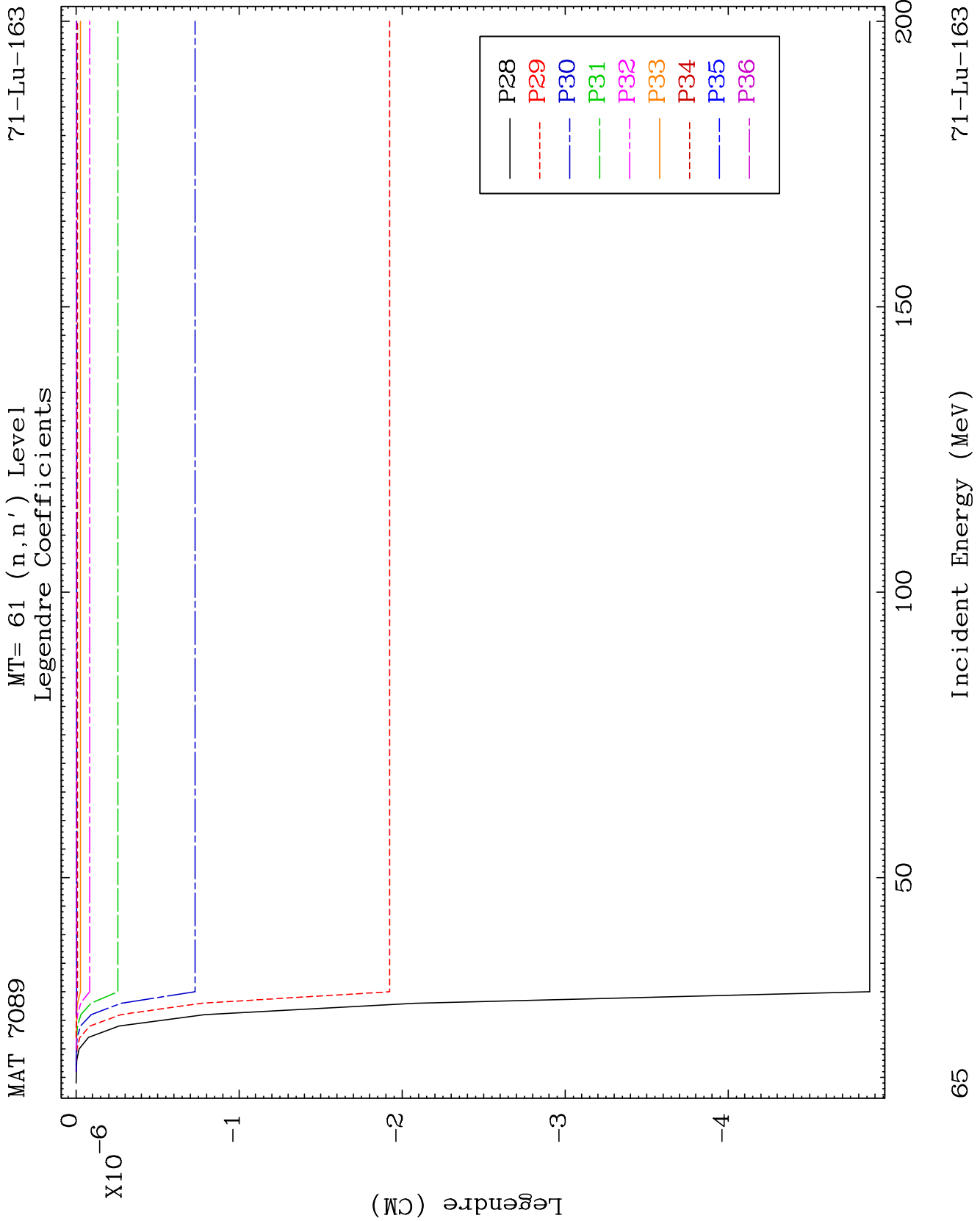
MT= 61 (n,n') Level
Legendre Coefficients

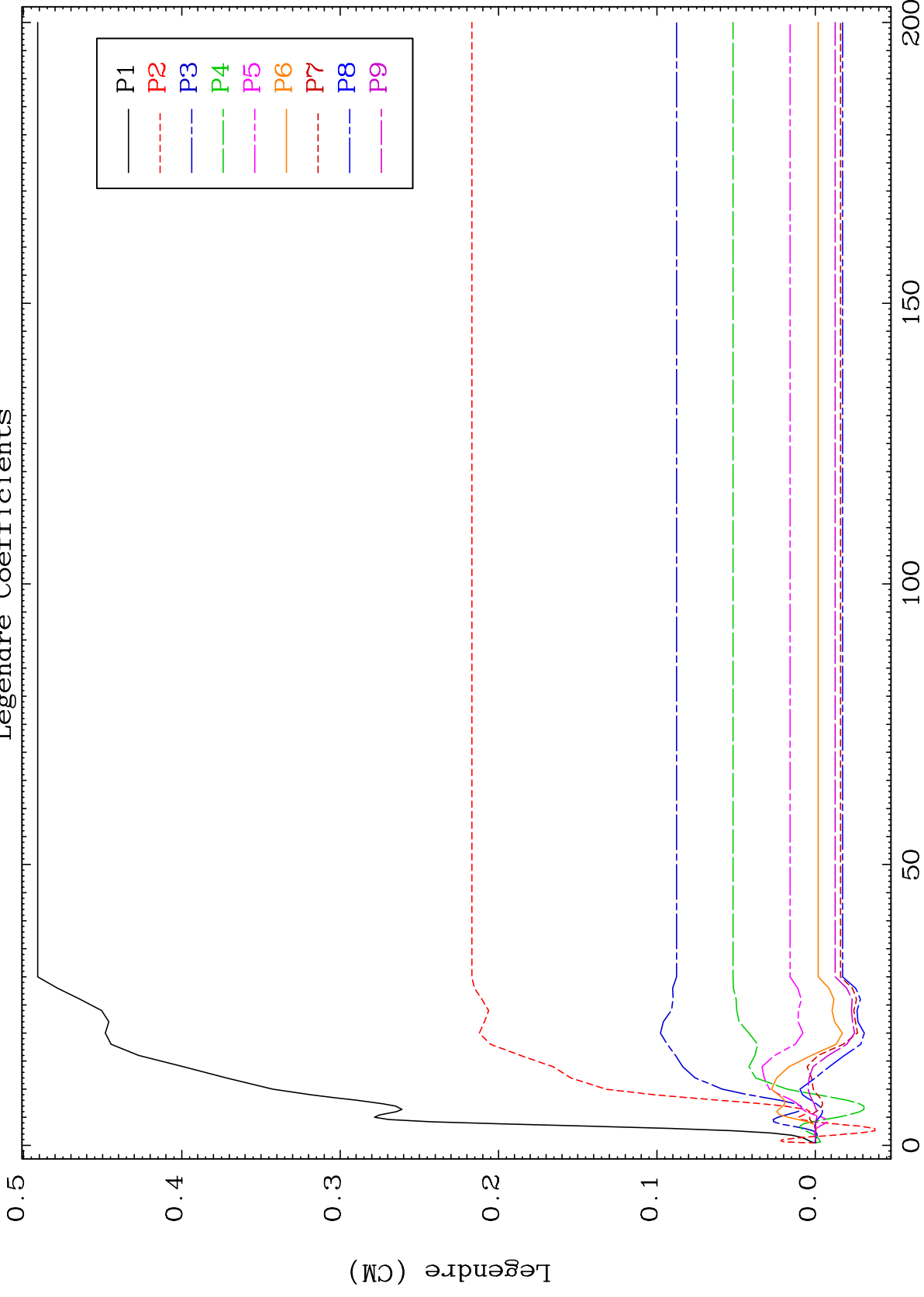
71-Lu-163



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71-Lu-163

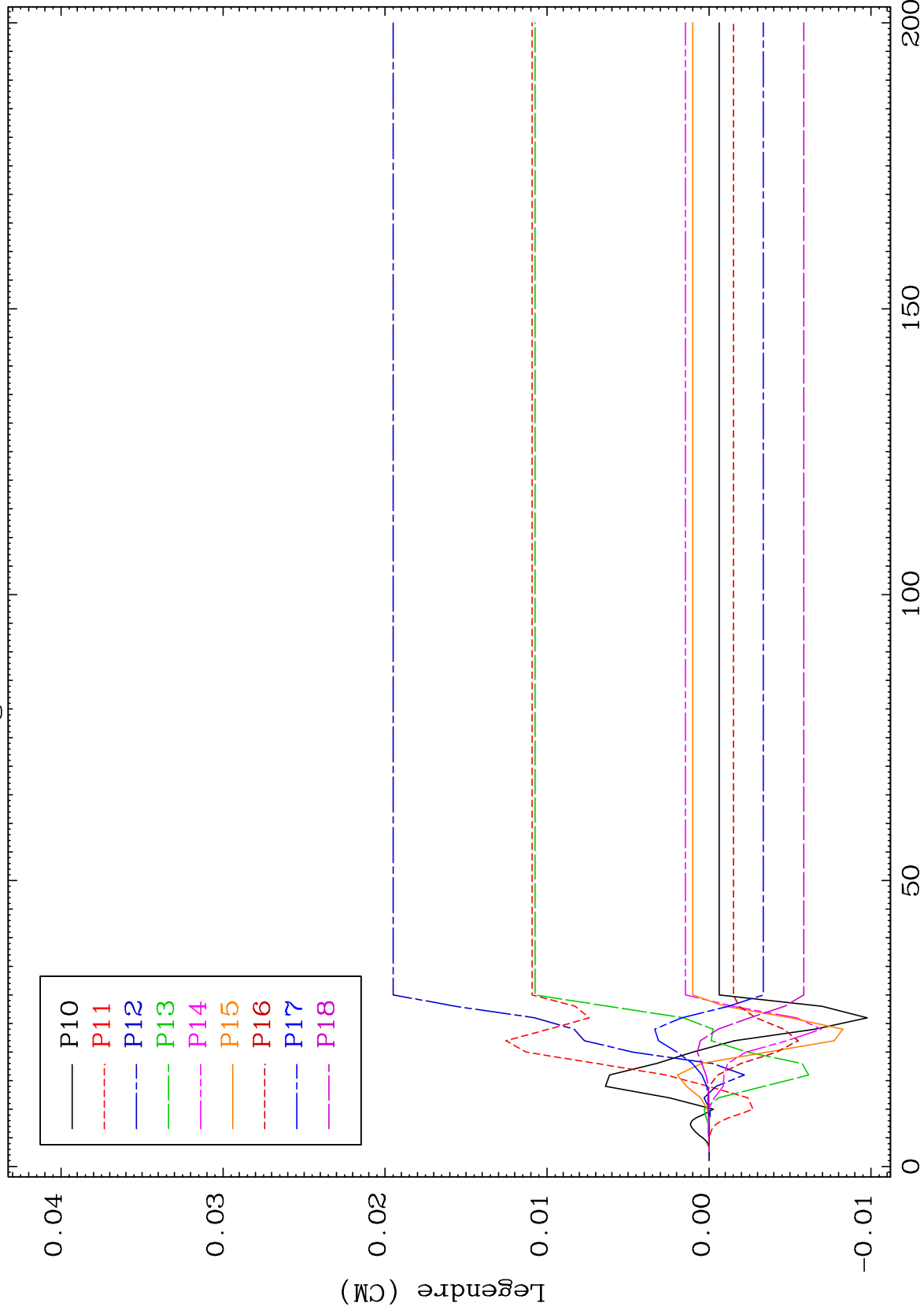




MAT 7089

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

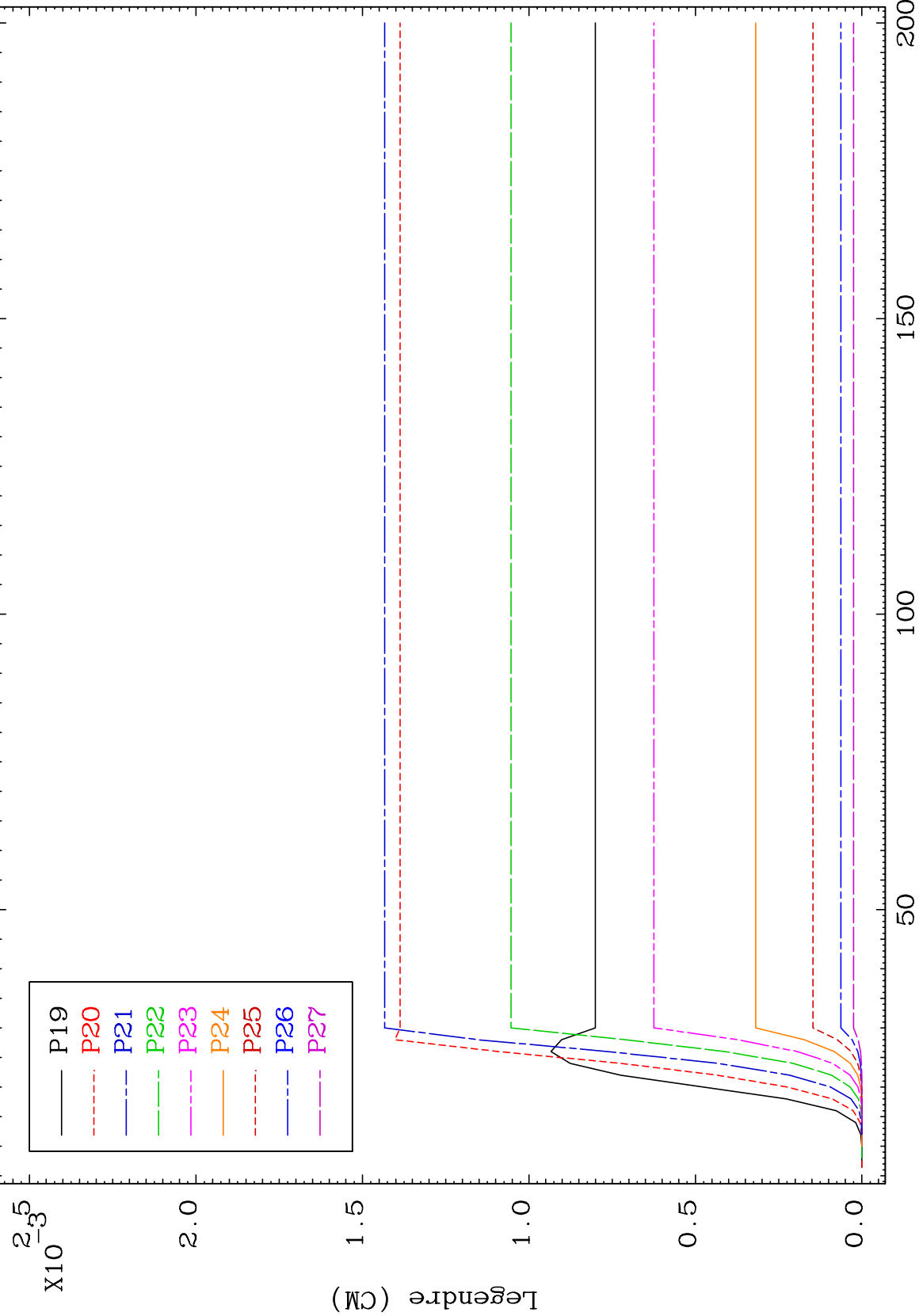
71-Lu-163



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71-Lu-163

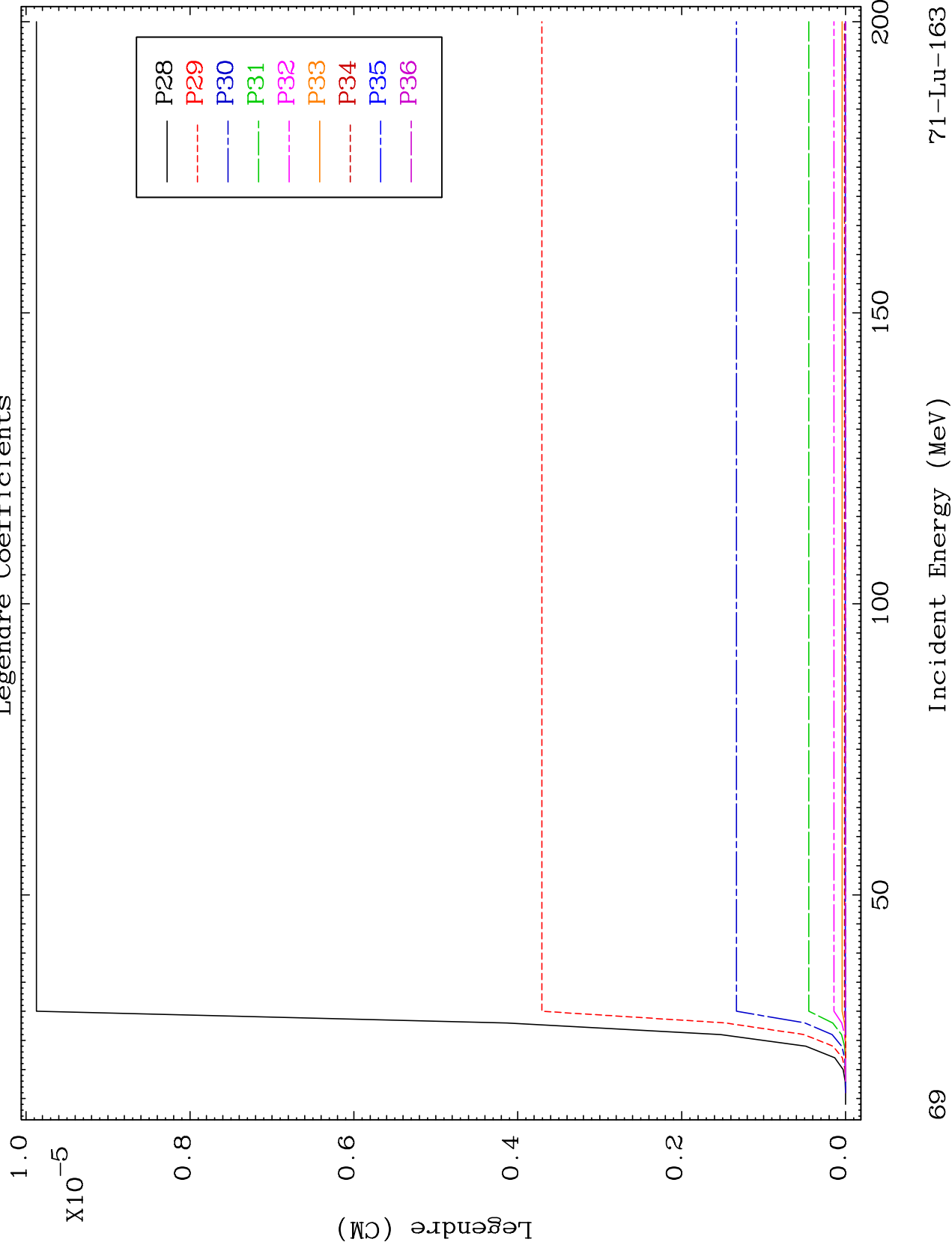
71-Lu-163



MAT 7089

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

71-Lu-163



69

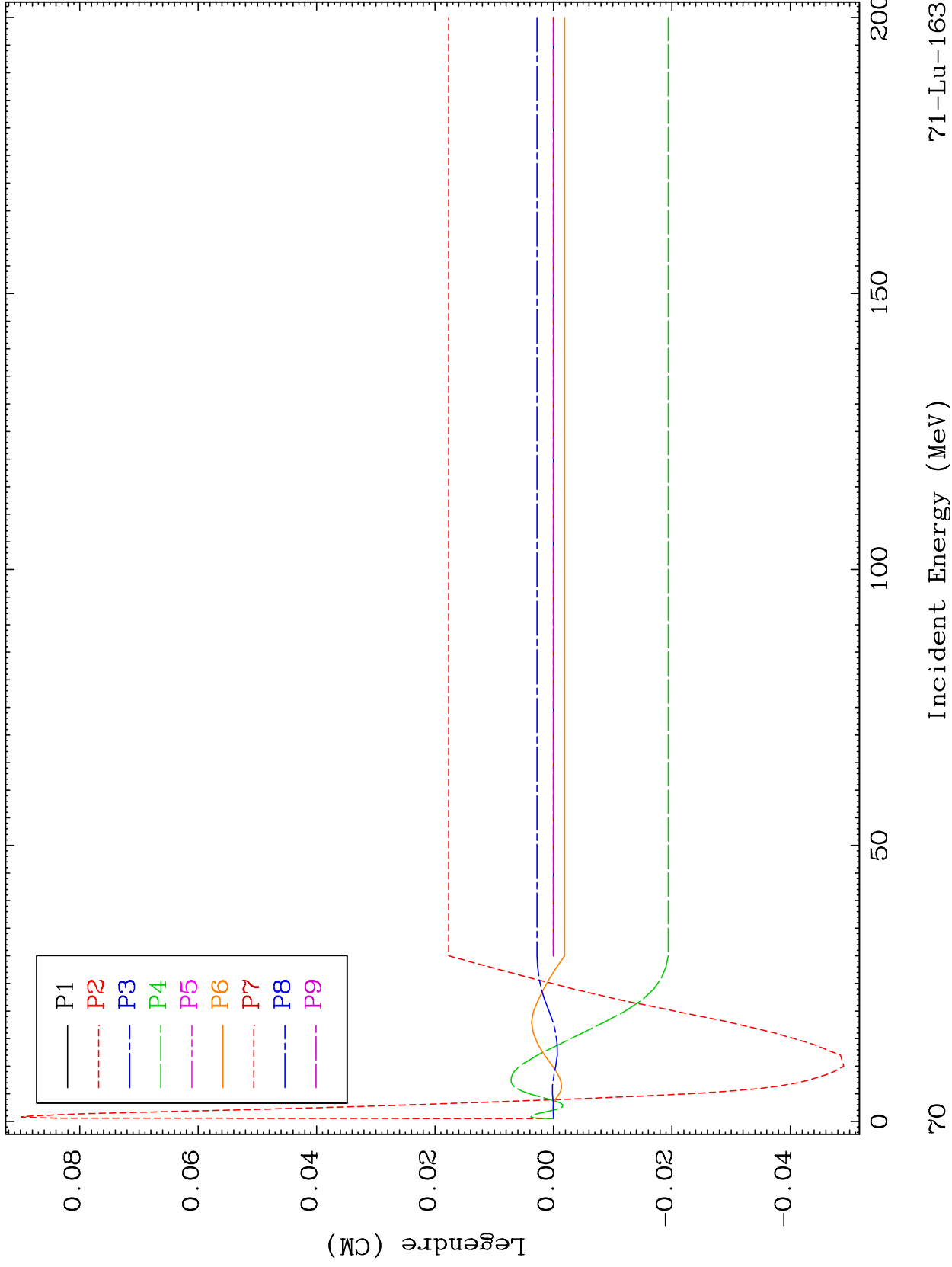
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



71-Lu-163

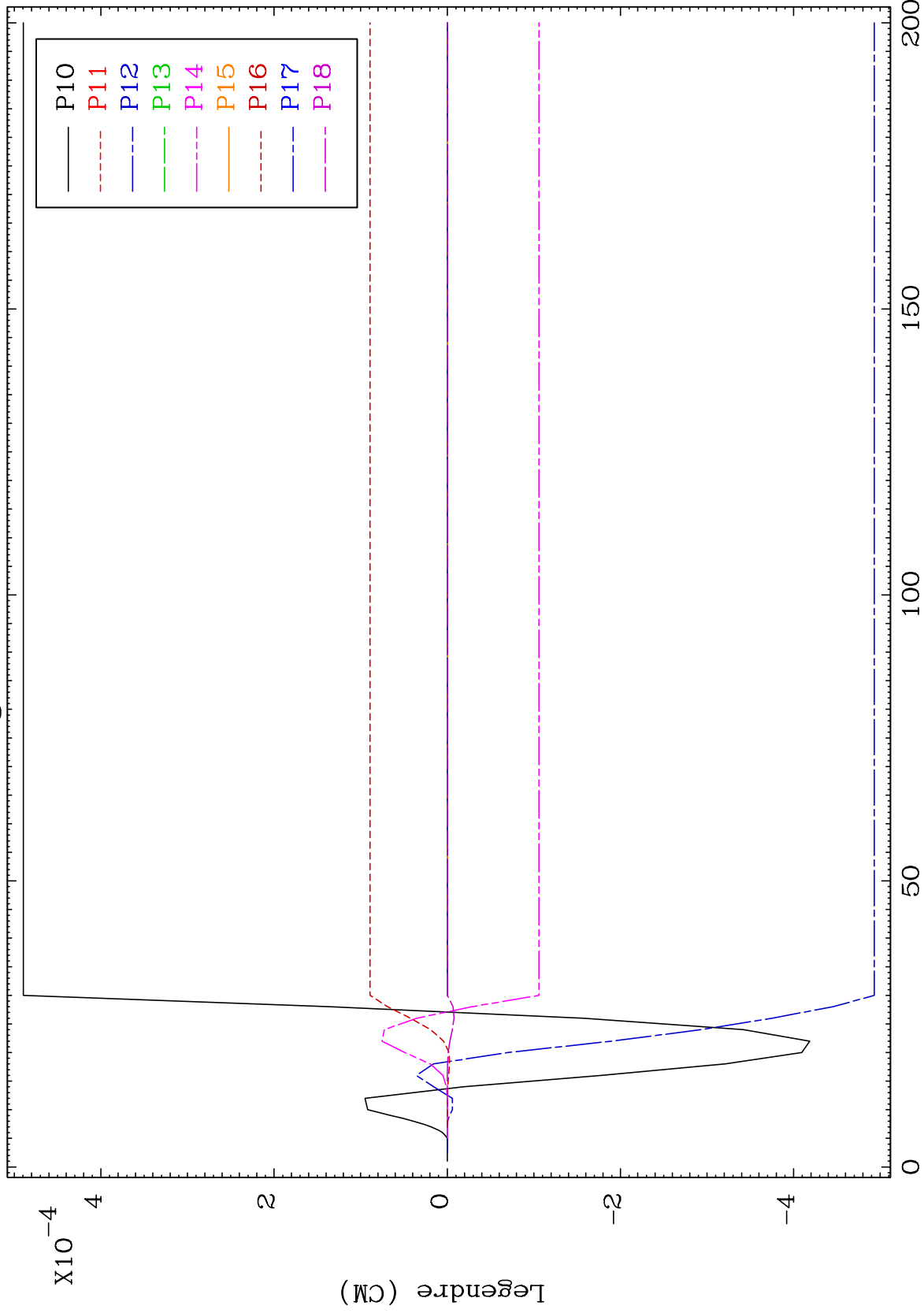
Incident Energy (MeV)

70

MAT 7089

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

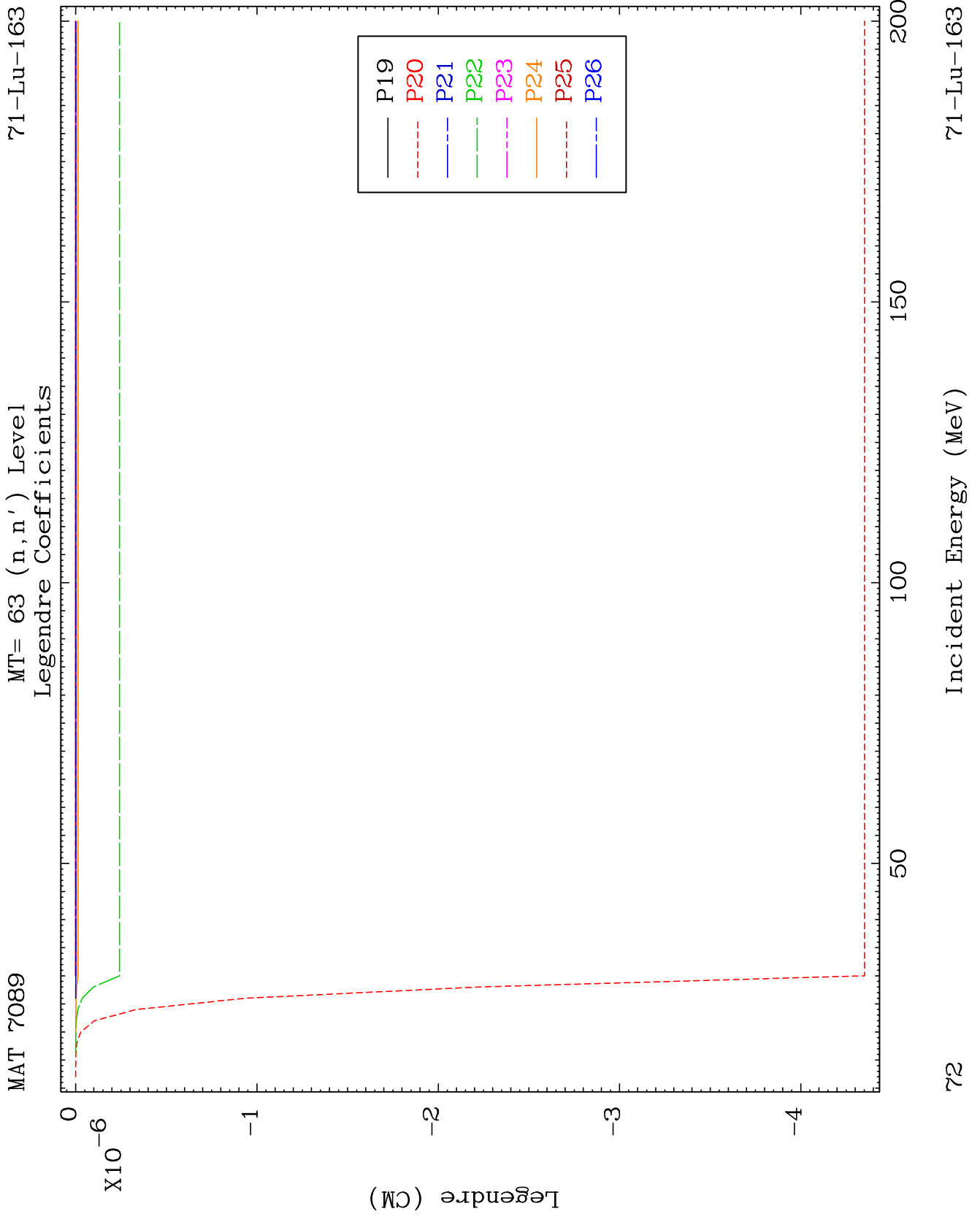
71-Lu-163



71

Incident Energy (MeV)

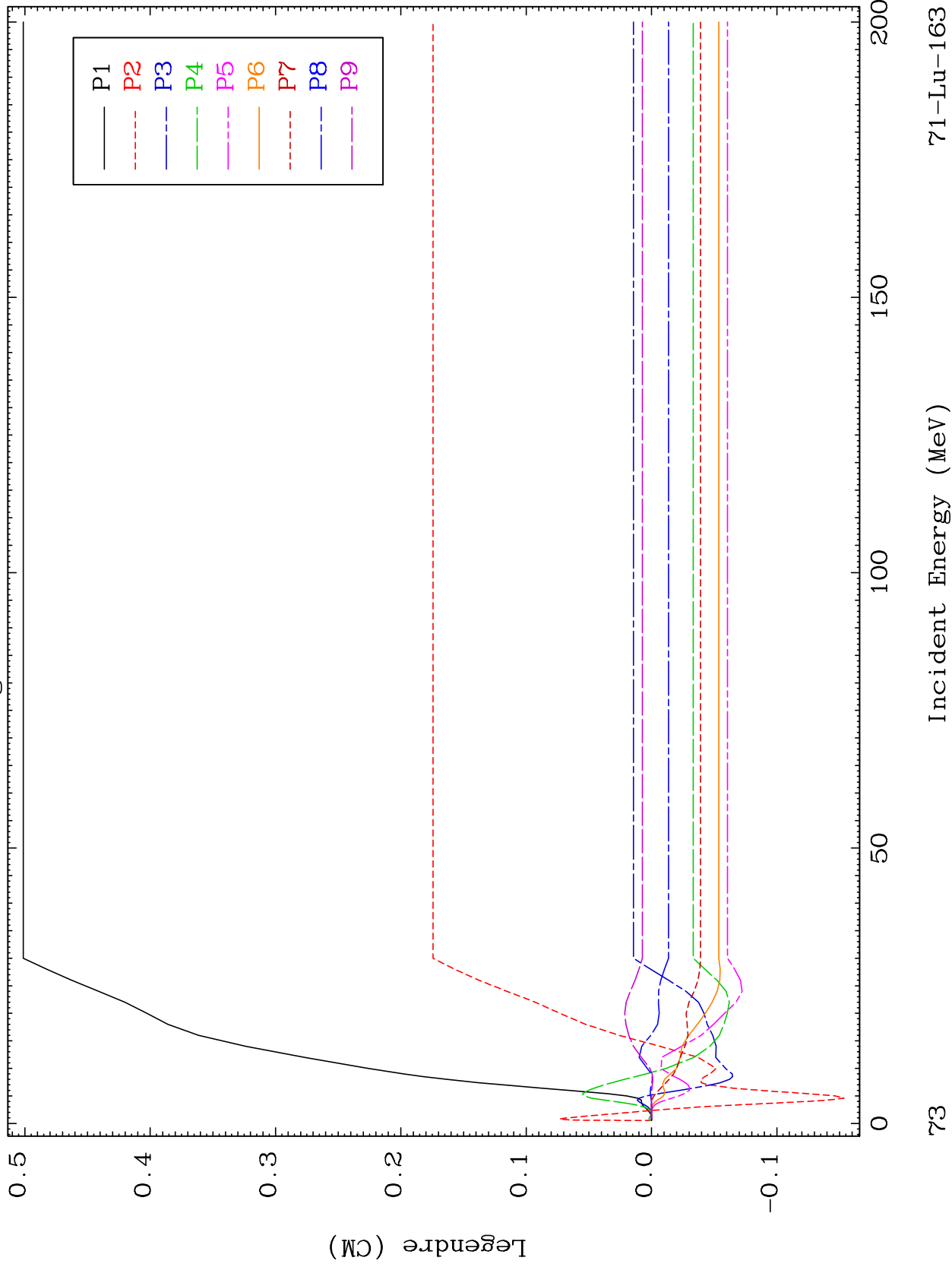
71-Lu-163



MAT 7089

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

71-Lu-163



73

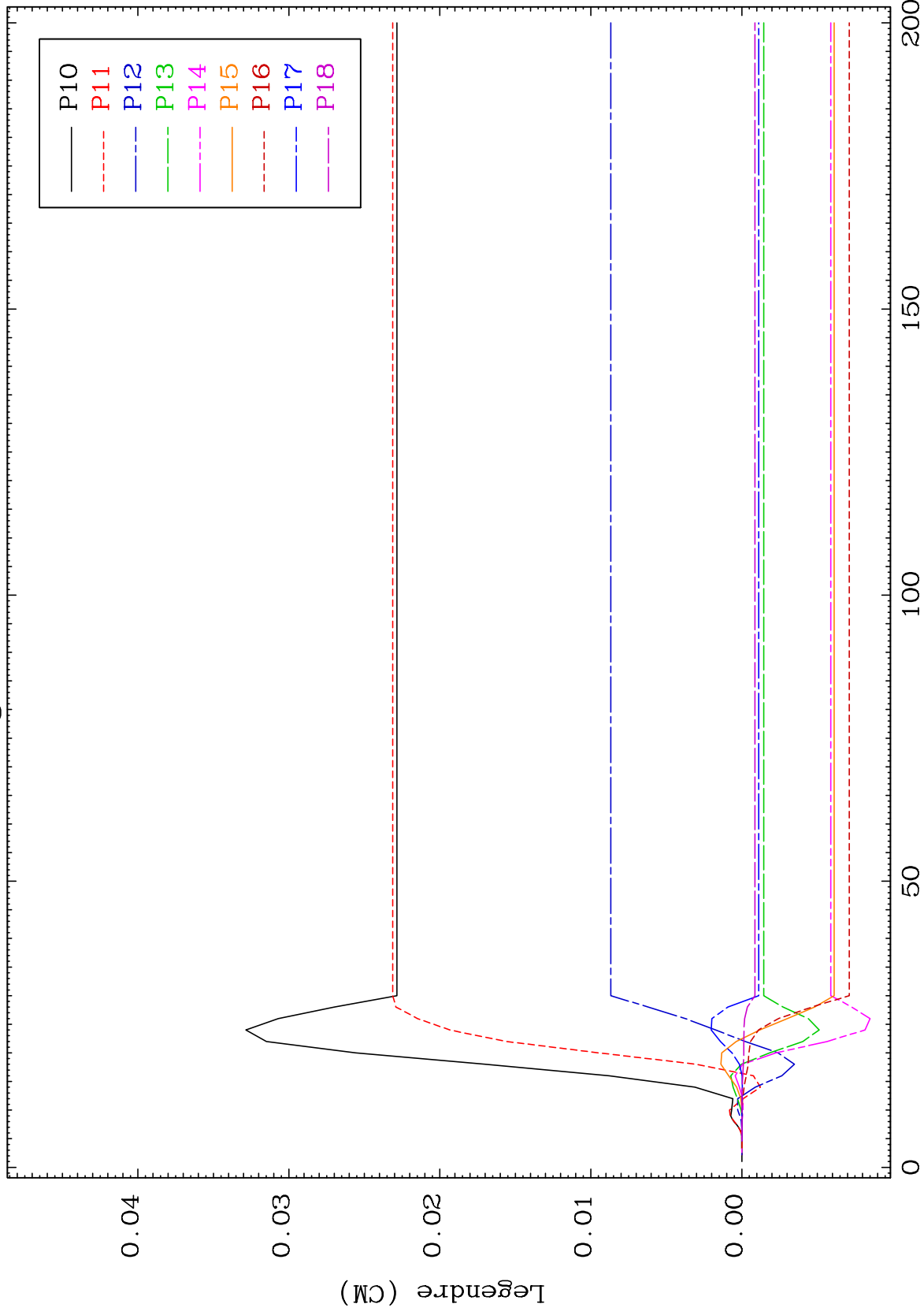
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



74

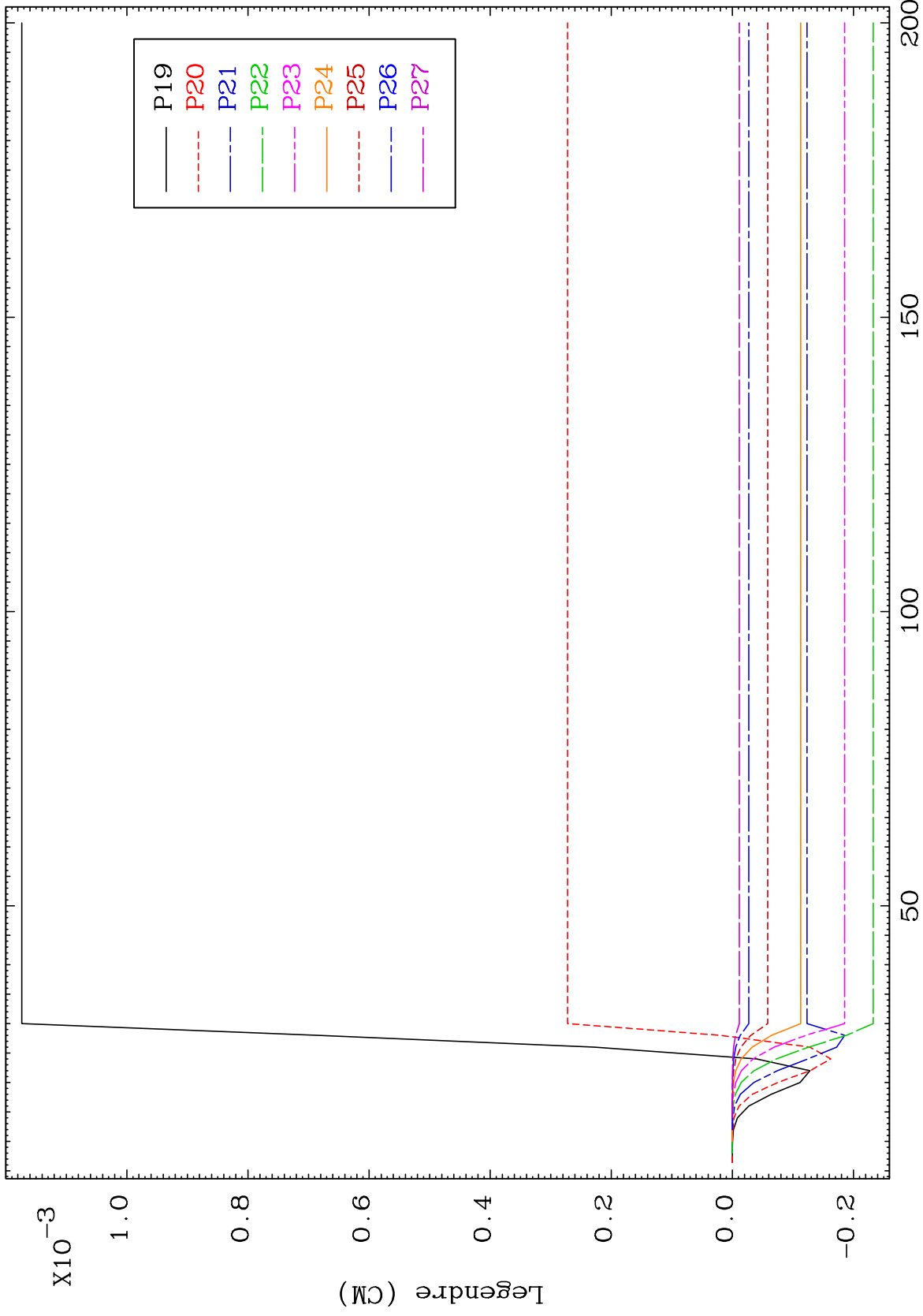
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



75

Incident Energy (MeV)

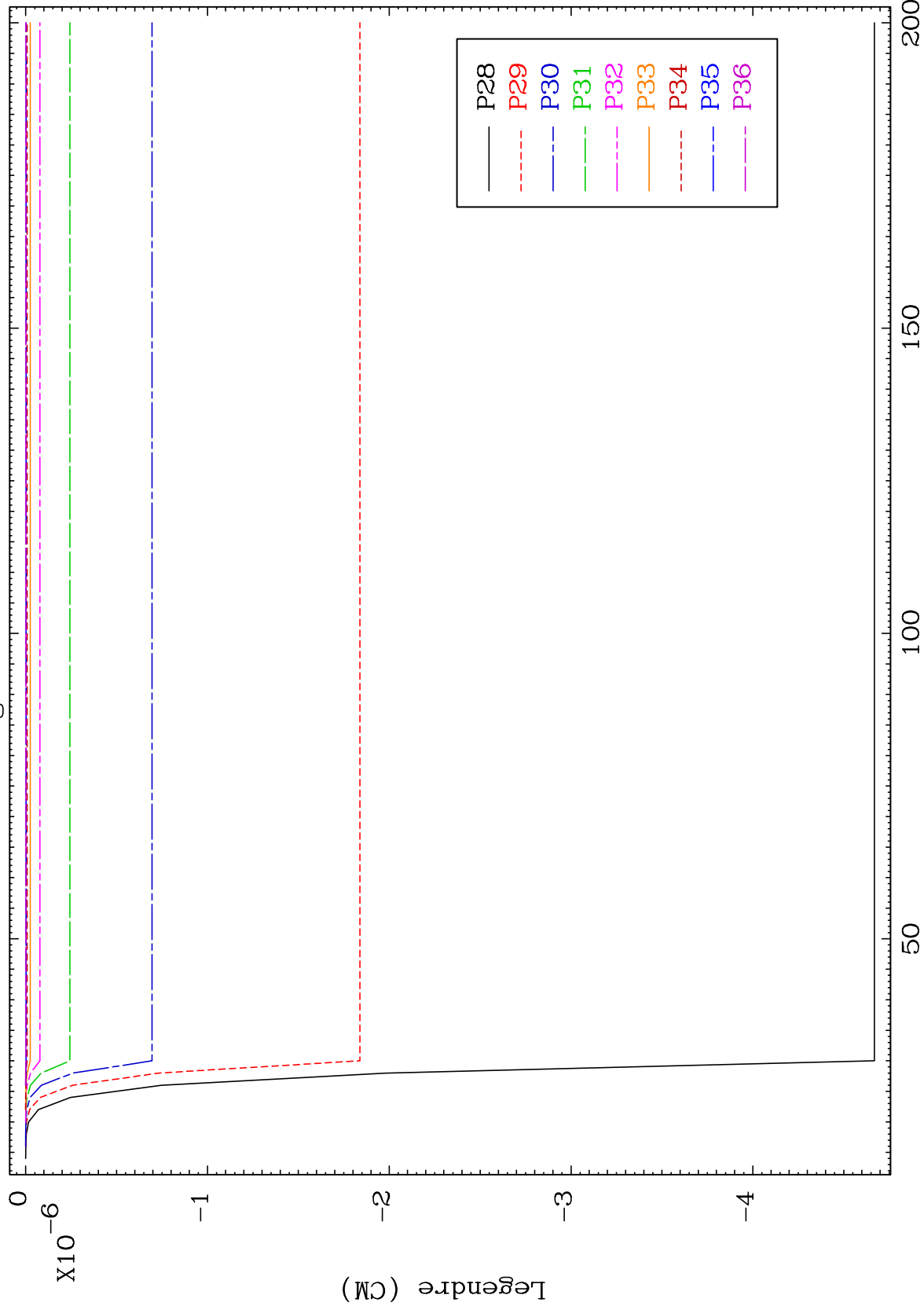
71-Lu-163

MAT 7089

MT= 64 (n,n') Level

71-Lu-163

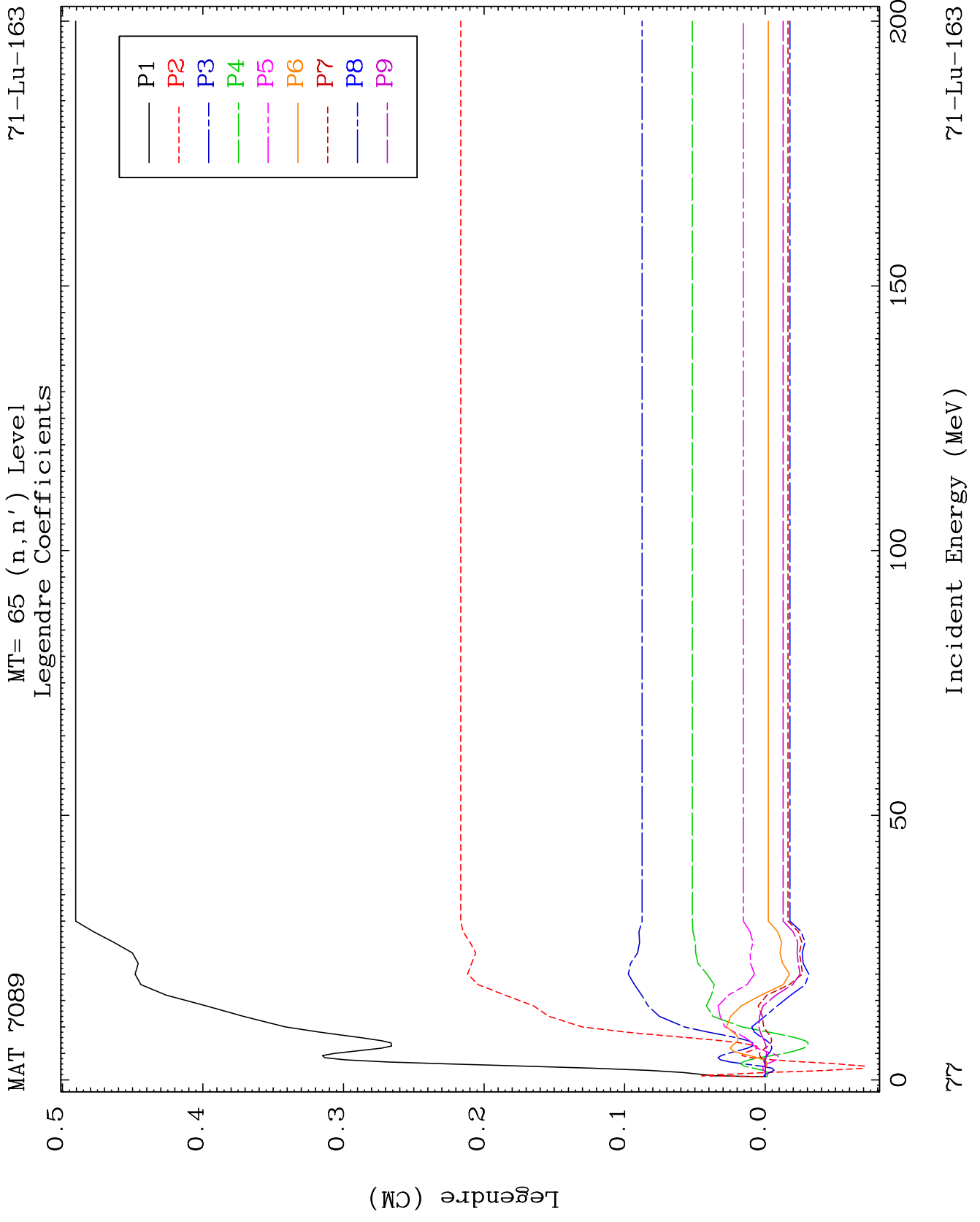
Legendre Coefficients



76

Incident Energy (MeV)

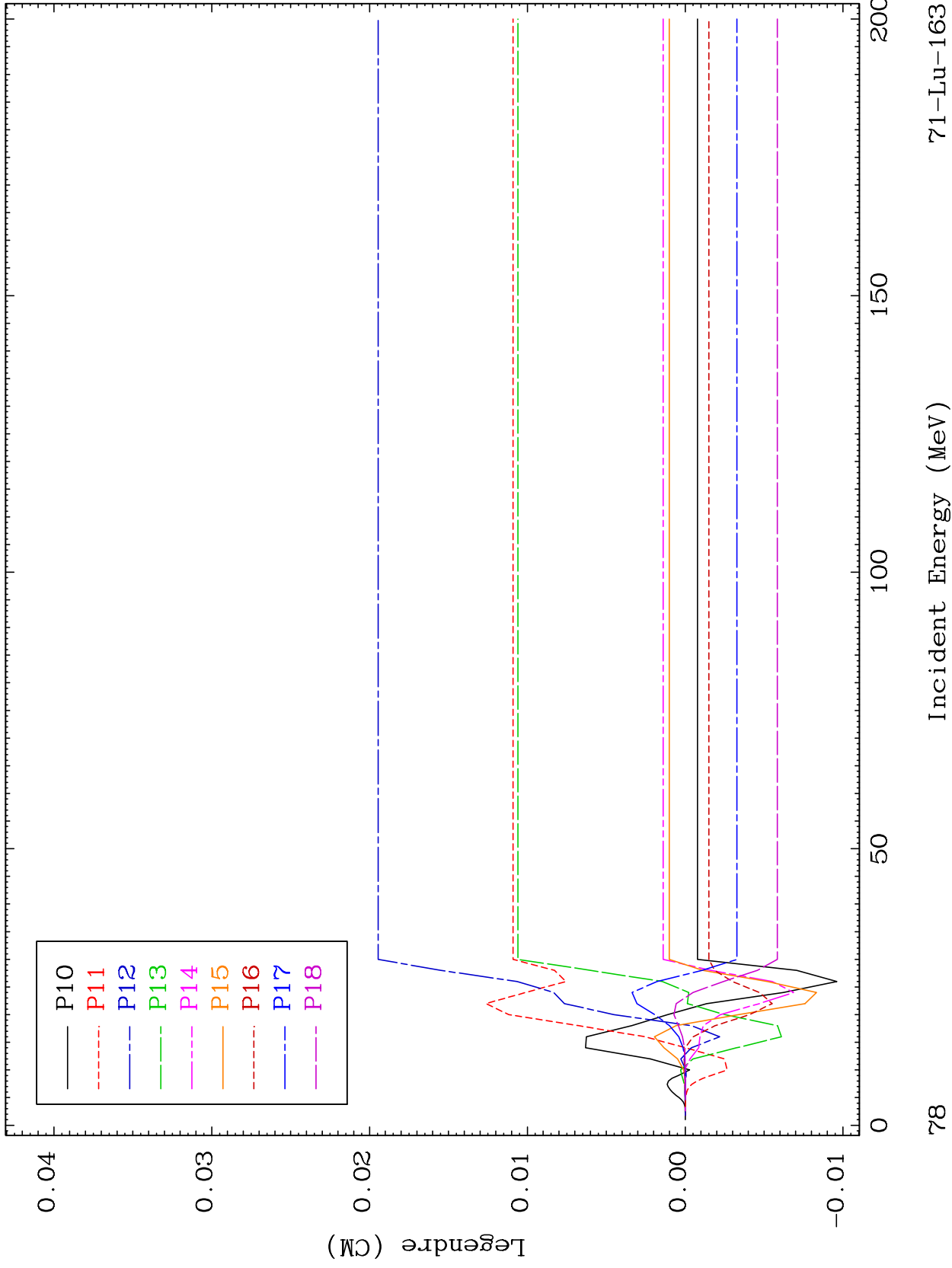
71-Lu-163



MAT 7089

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

71-Lu-163



78

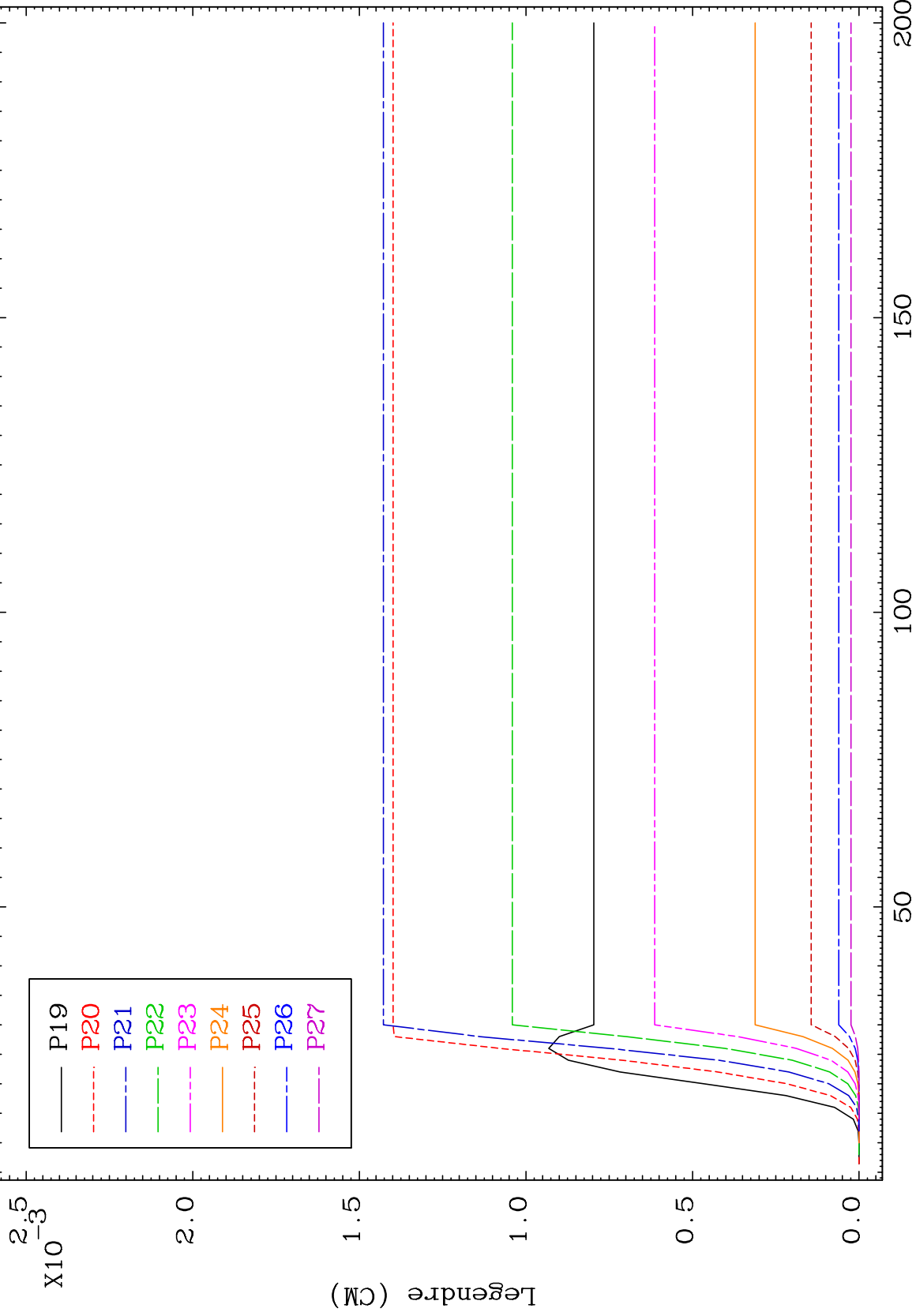
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



79

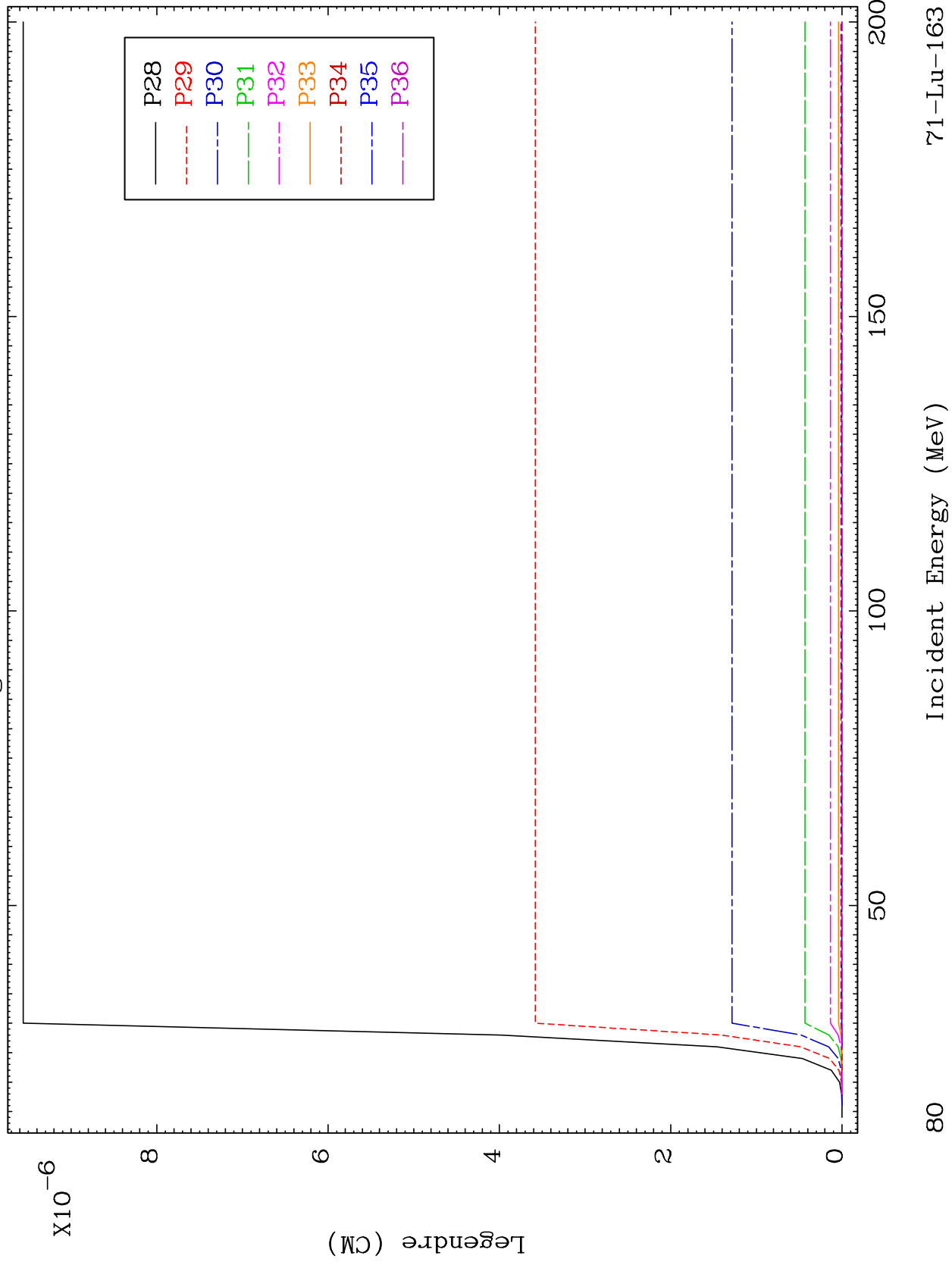
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

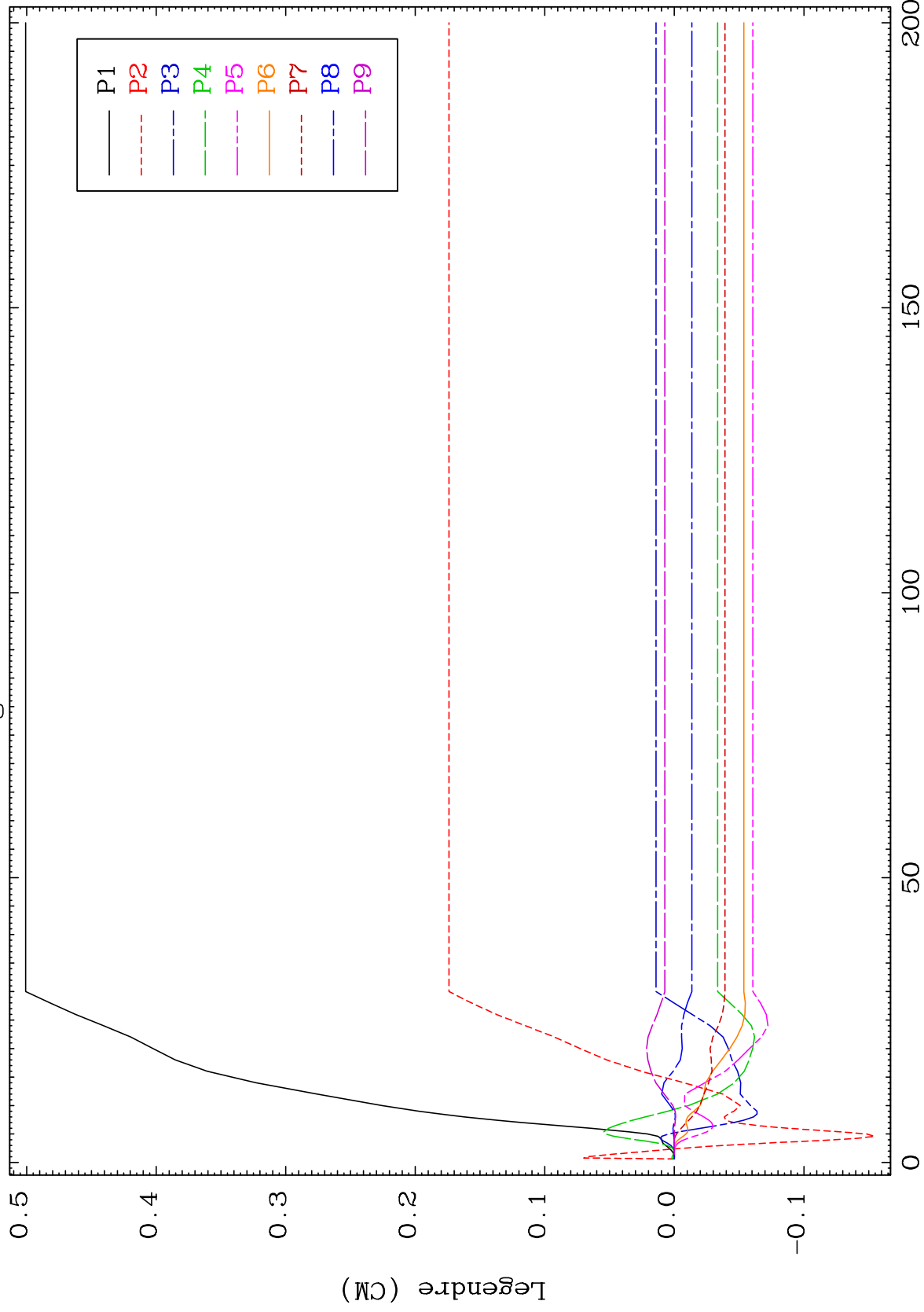
71-Lu-163



MAT 7089

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

71-Lu-163



81

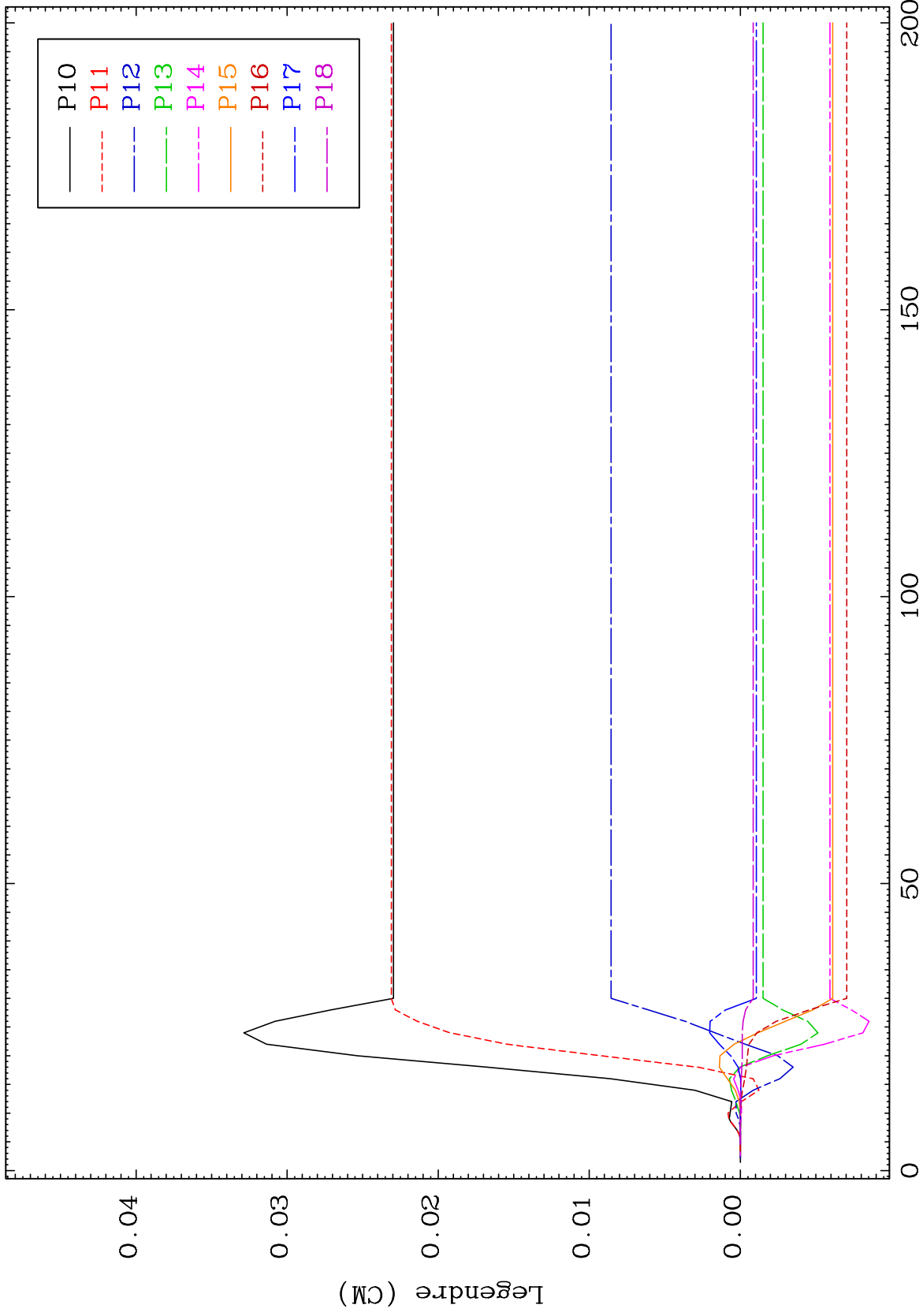
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

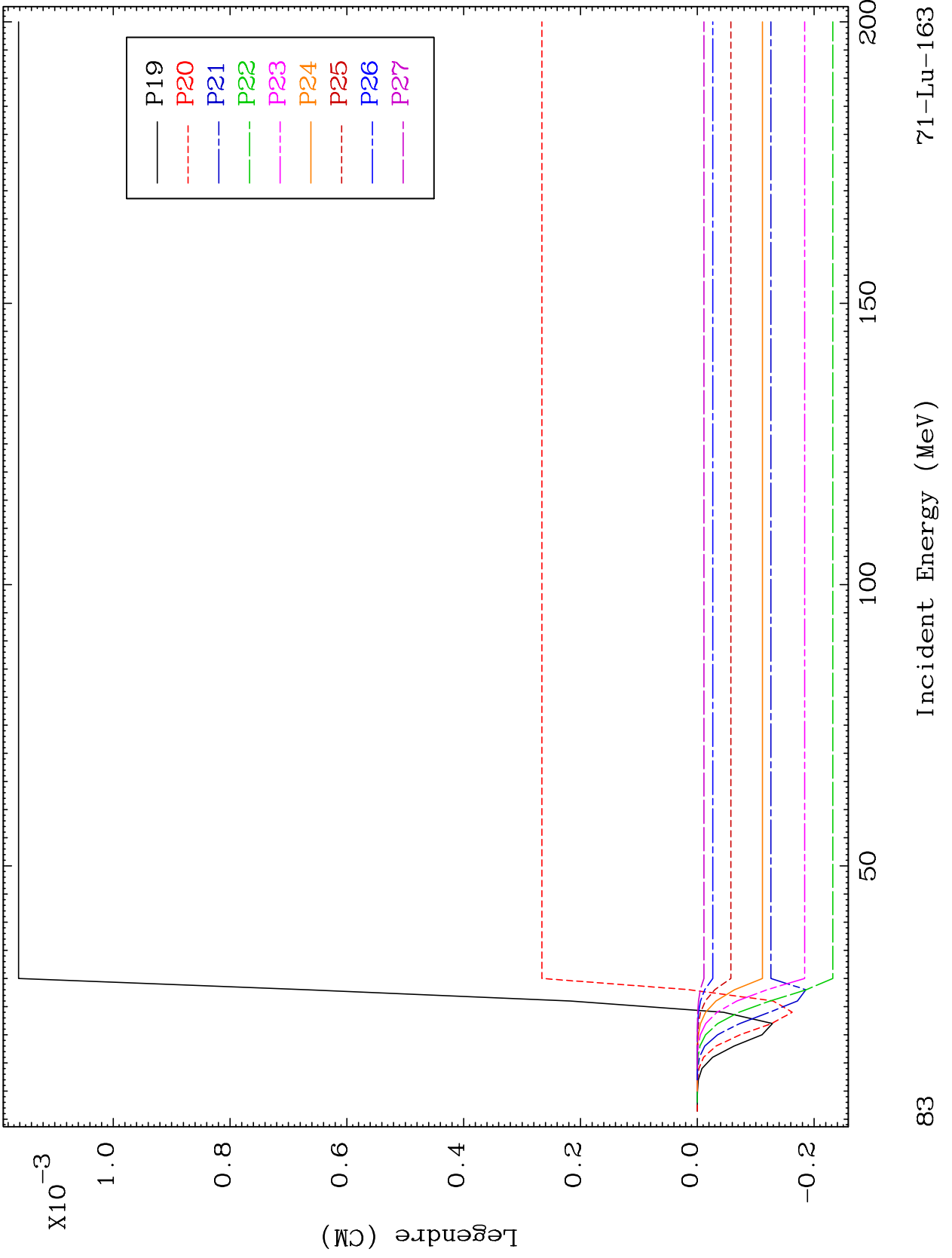
71-Lu-163



82

Incident Energy (MeV)

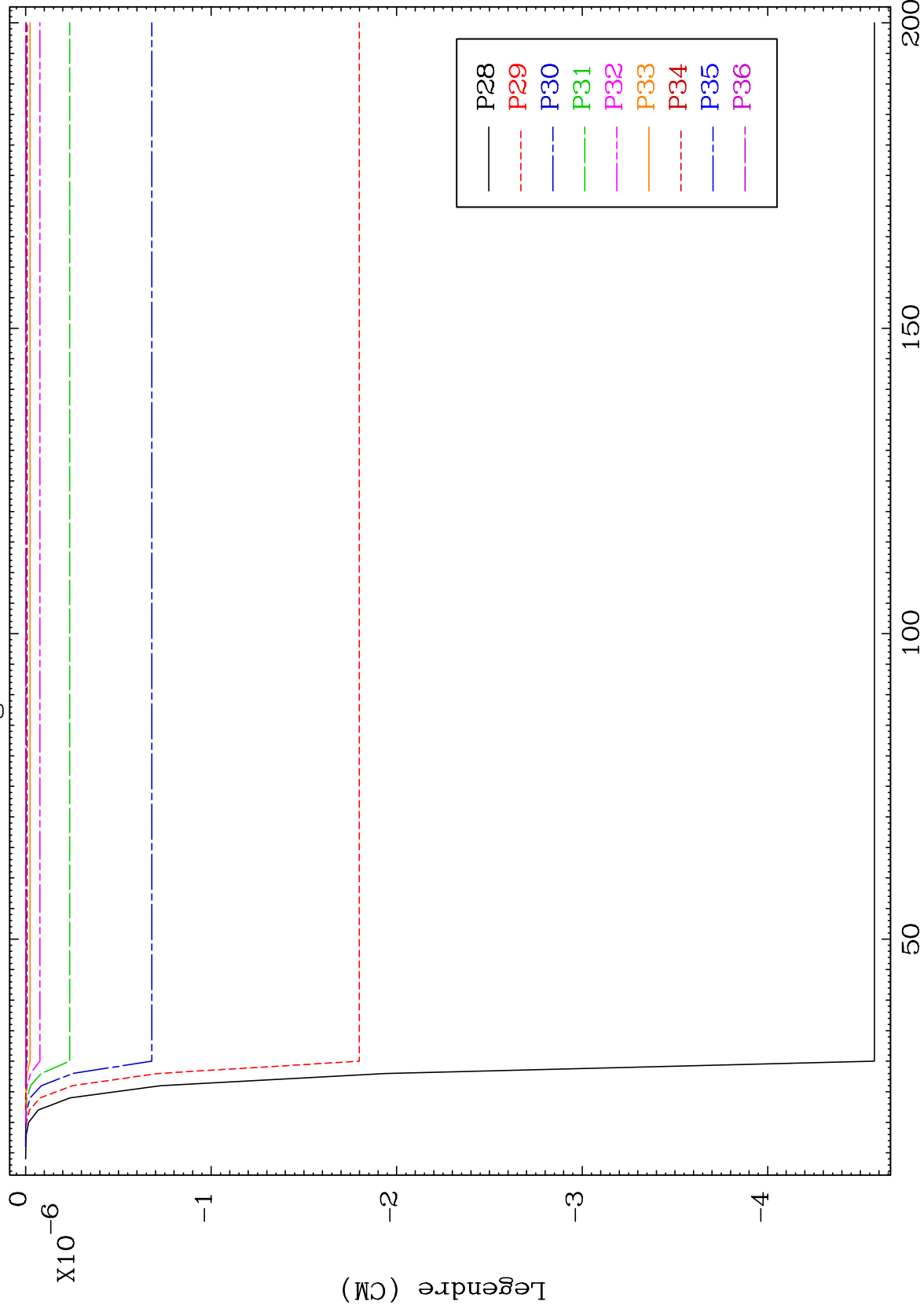
71-Lu-163



MAT 7089

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

71-Lu-163



84

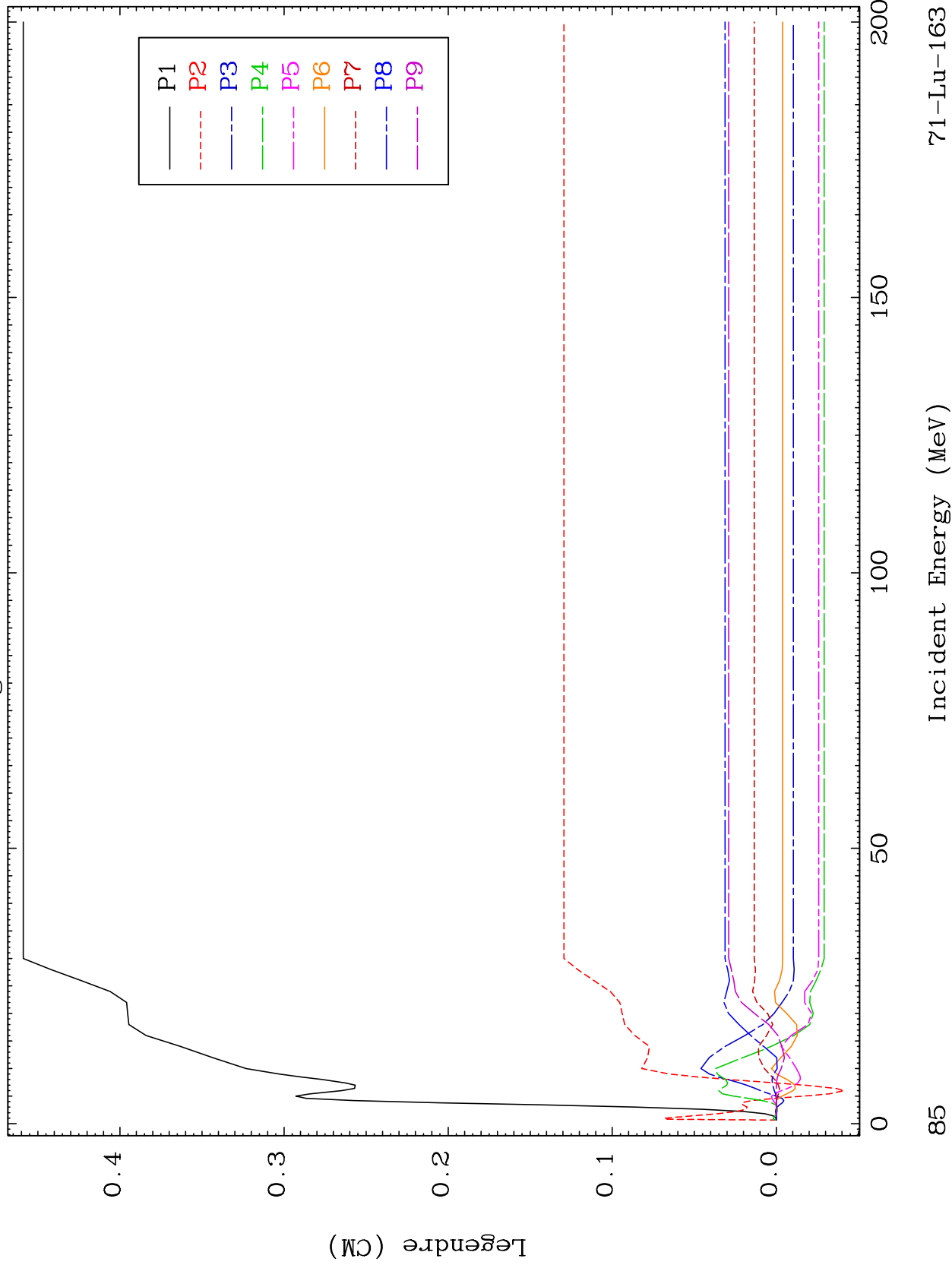
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



71-Lu-163

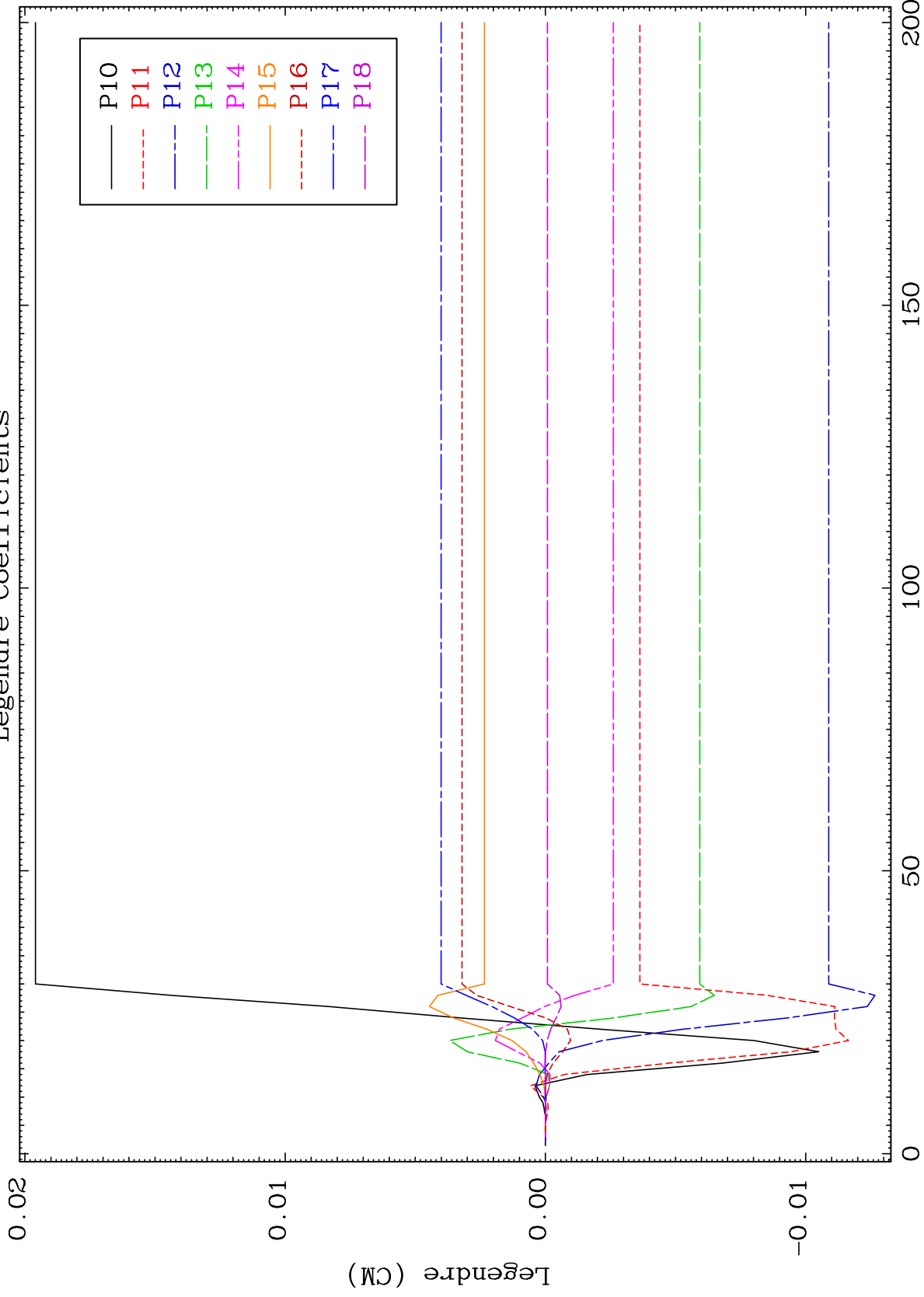
Incident Energy (MeV)

85

MAT 7089

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

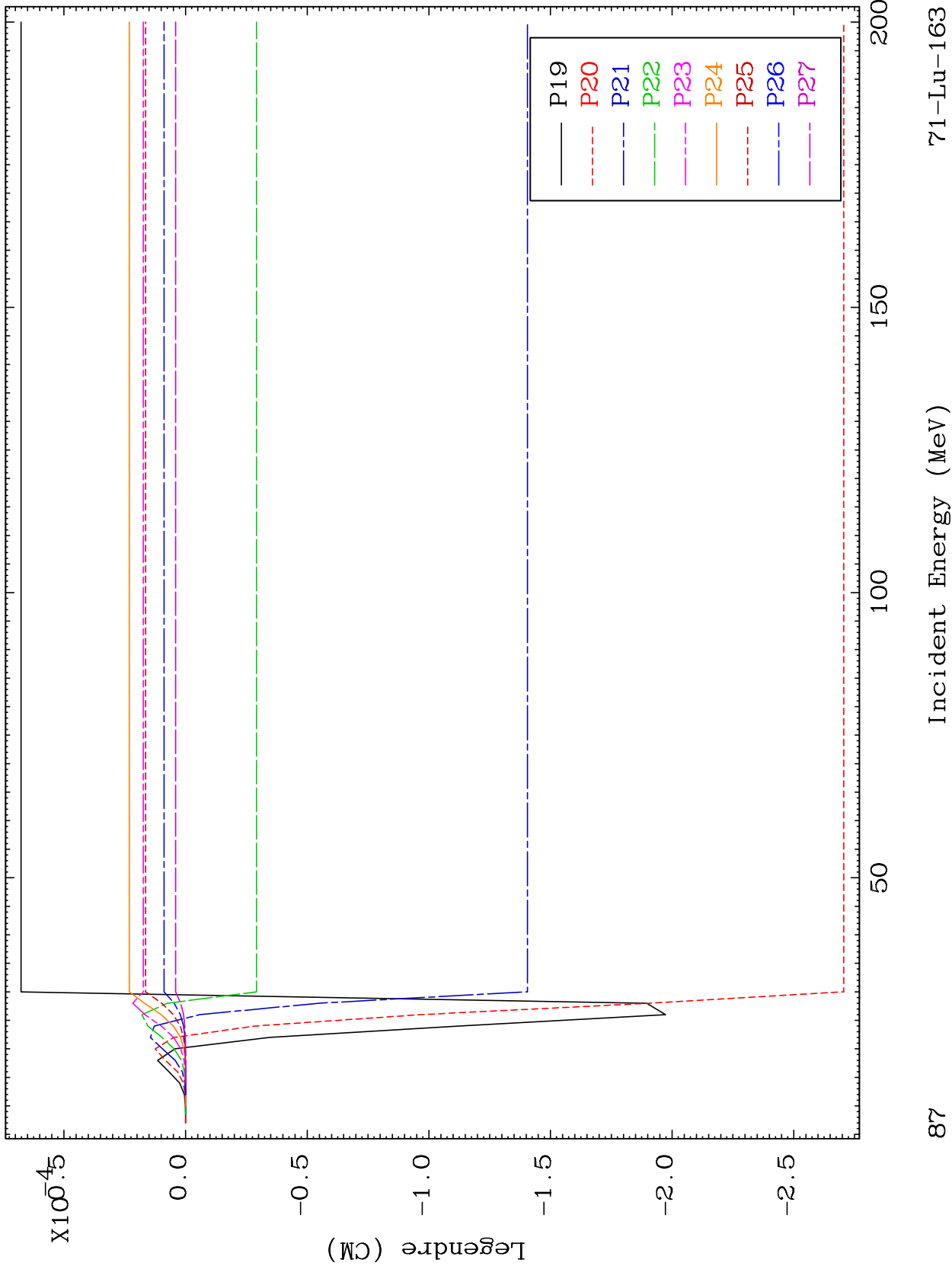
71-Lu-163



86

Incident Energy (MeV)

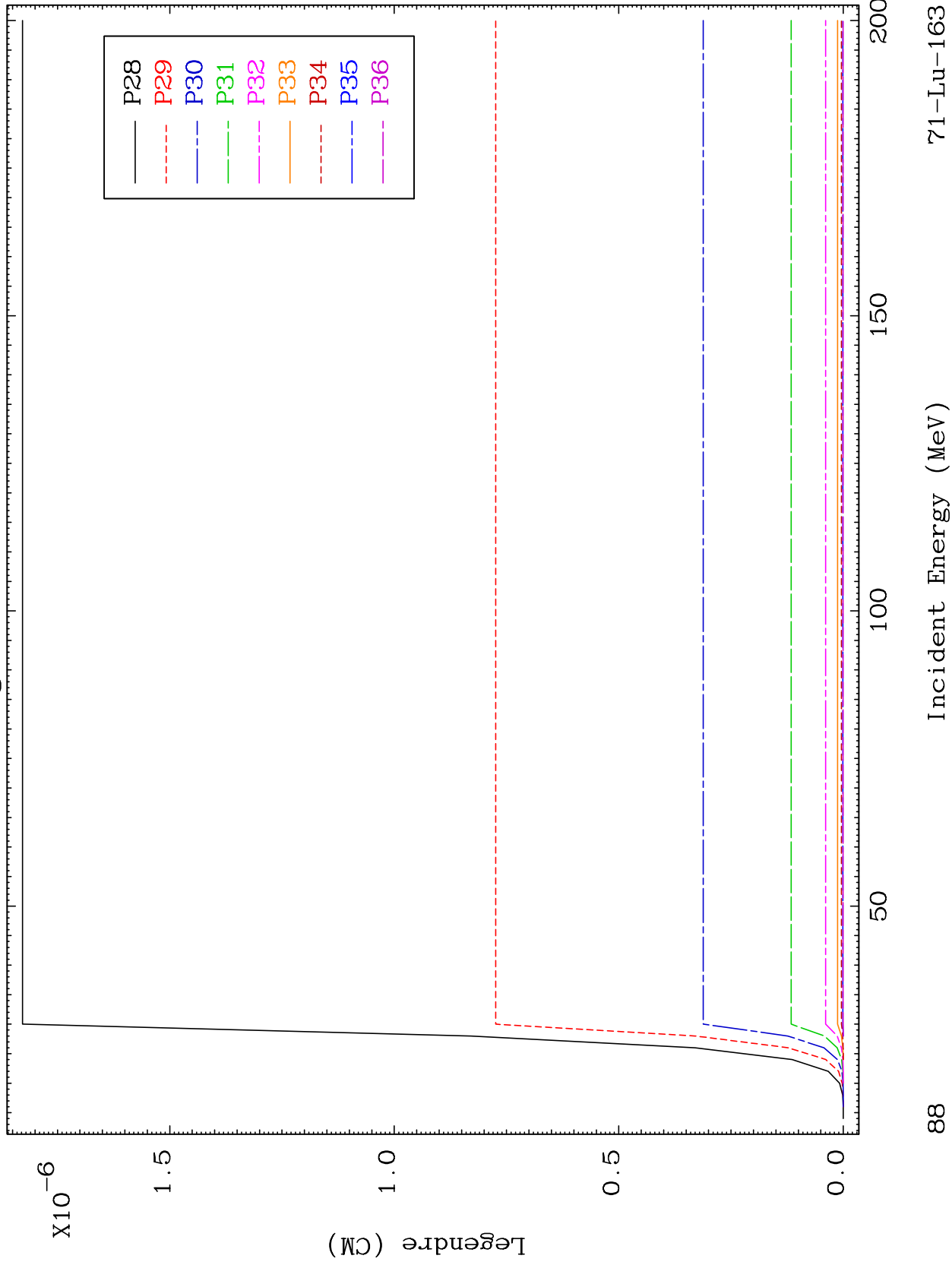
71-Lu-163



MAT 7089

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

71-Lu-163

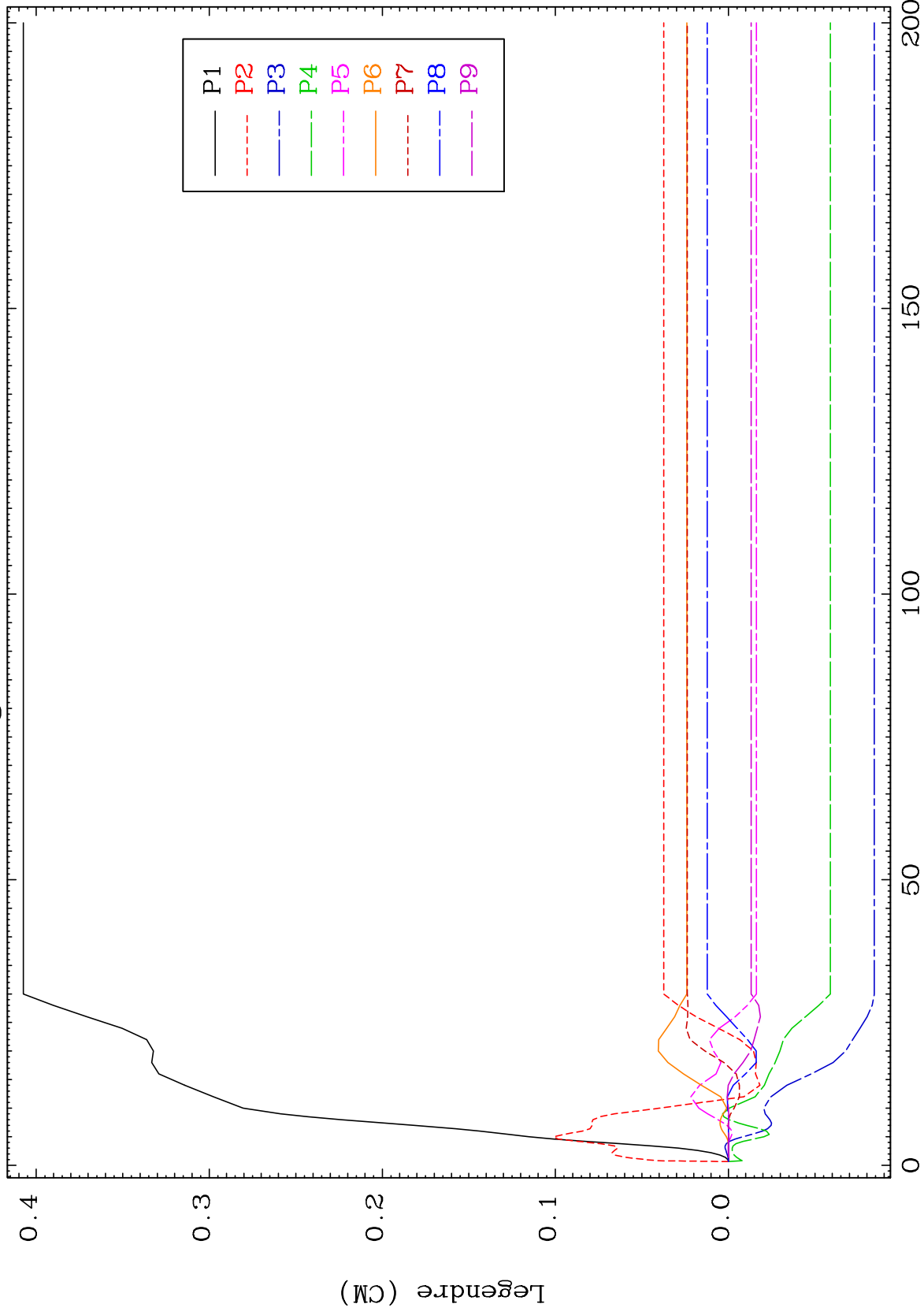


88

MAT 7089

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

71-Lu-163



89

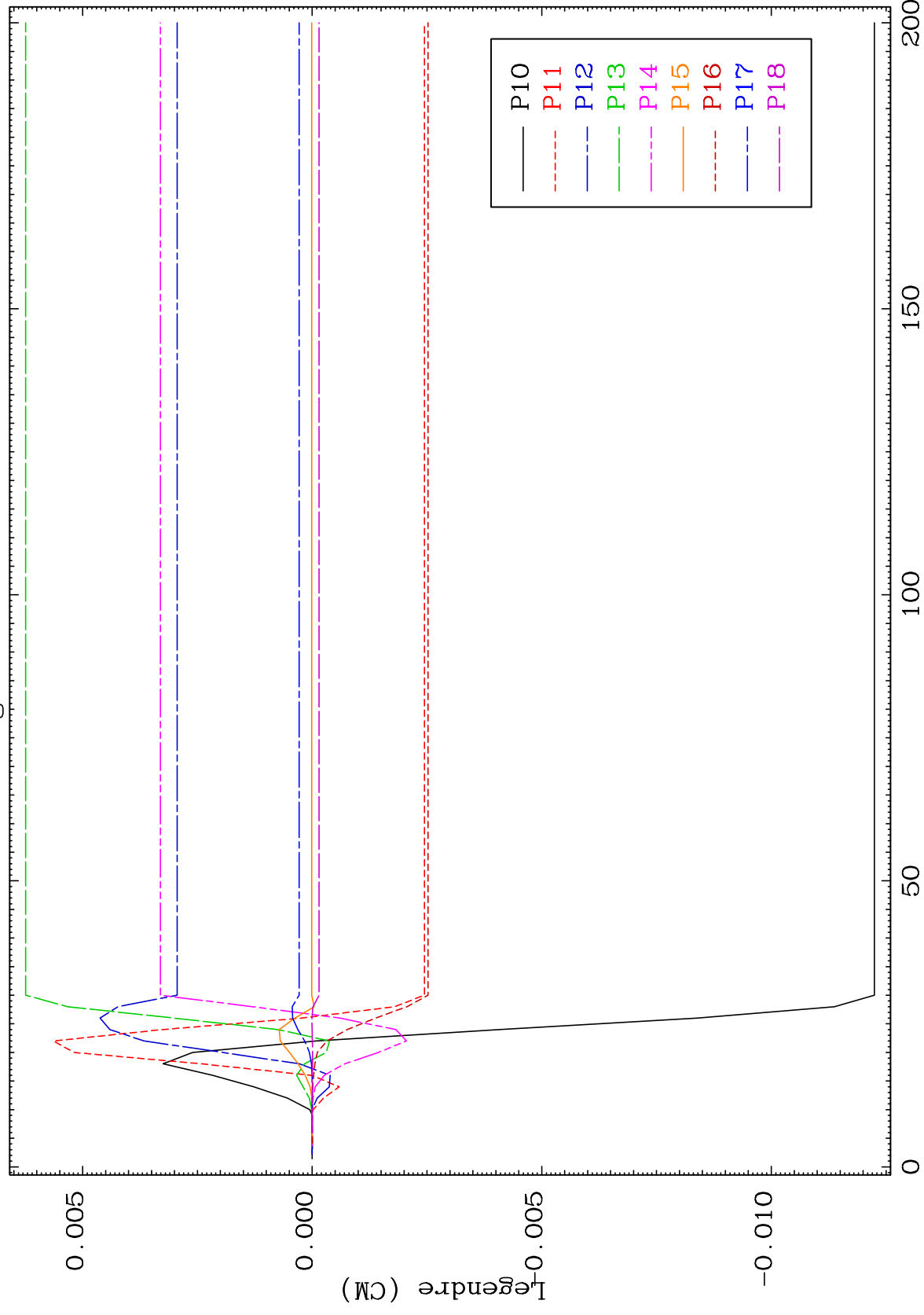
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

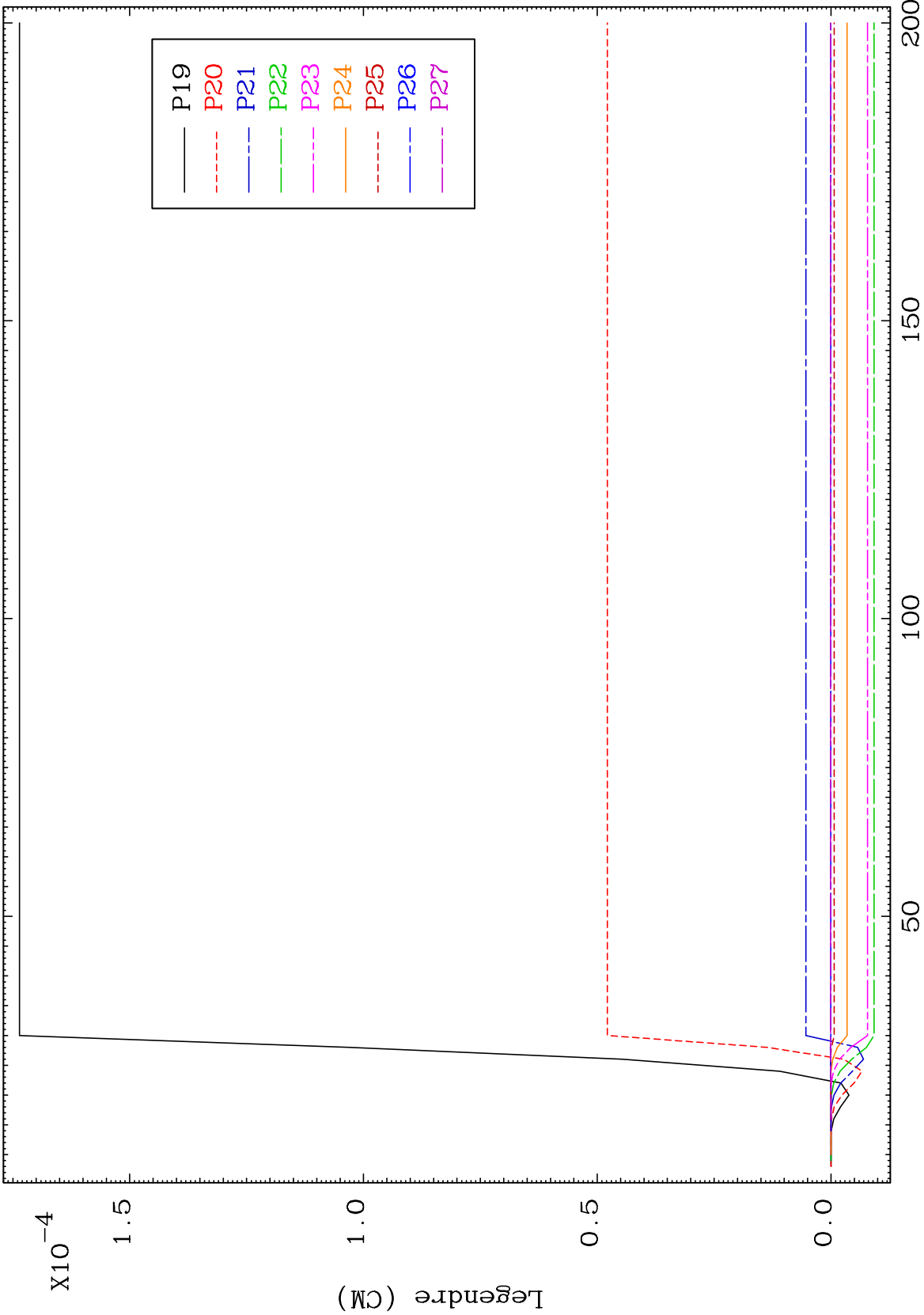
71-Lu-163



90

Incident Energy (MeV)

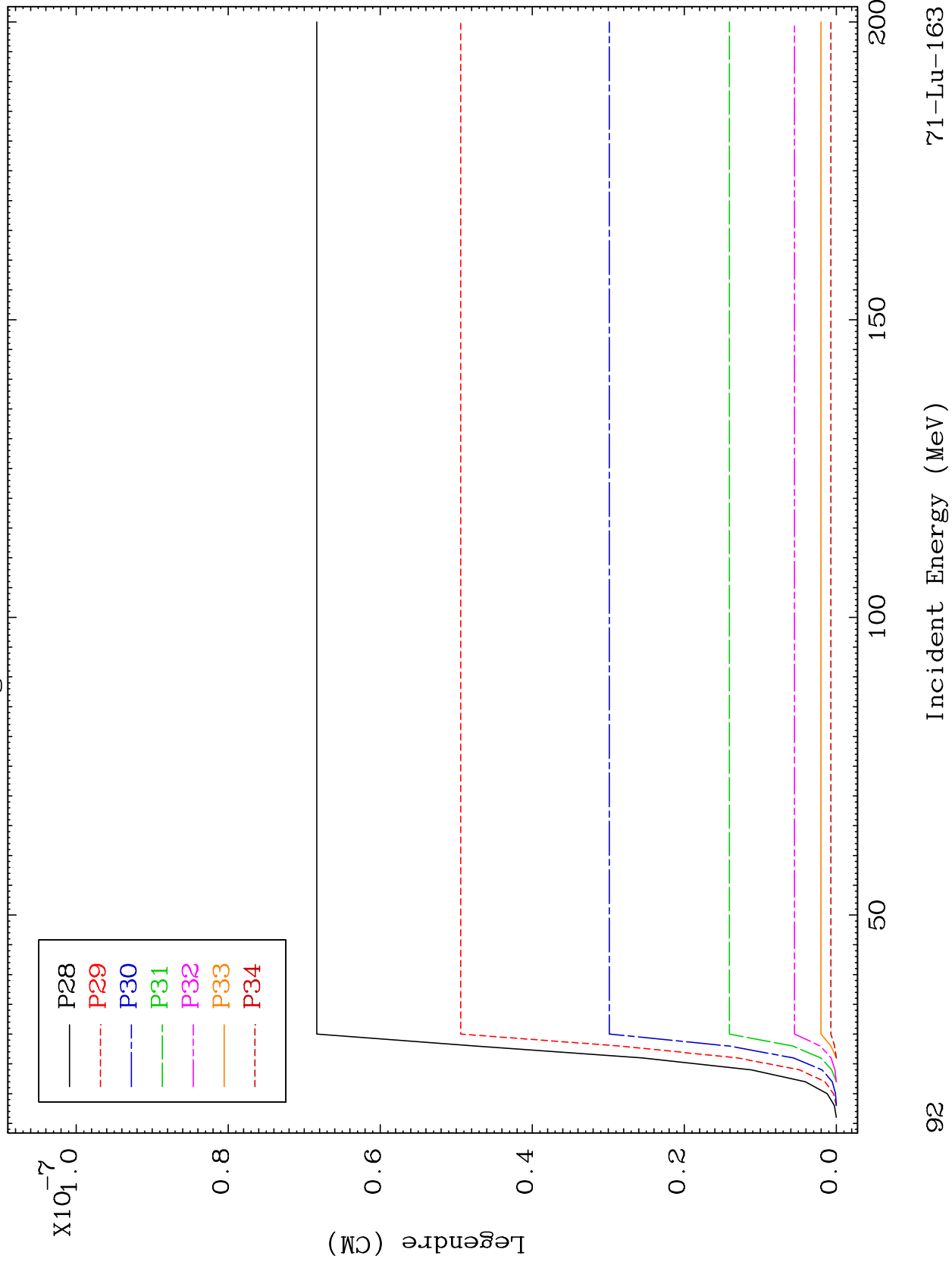
71-Lu-163

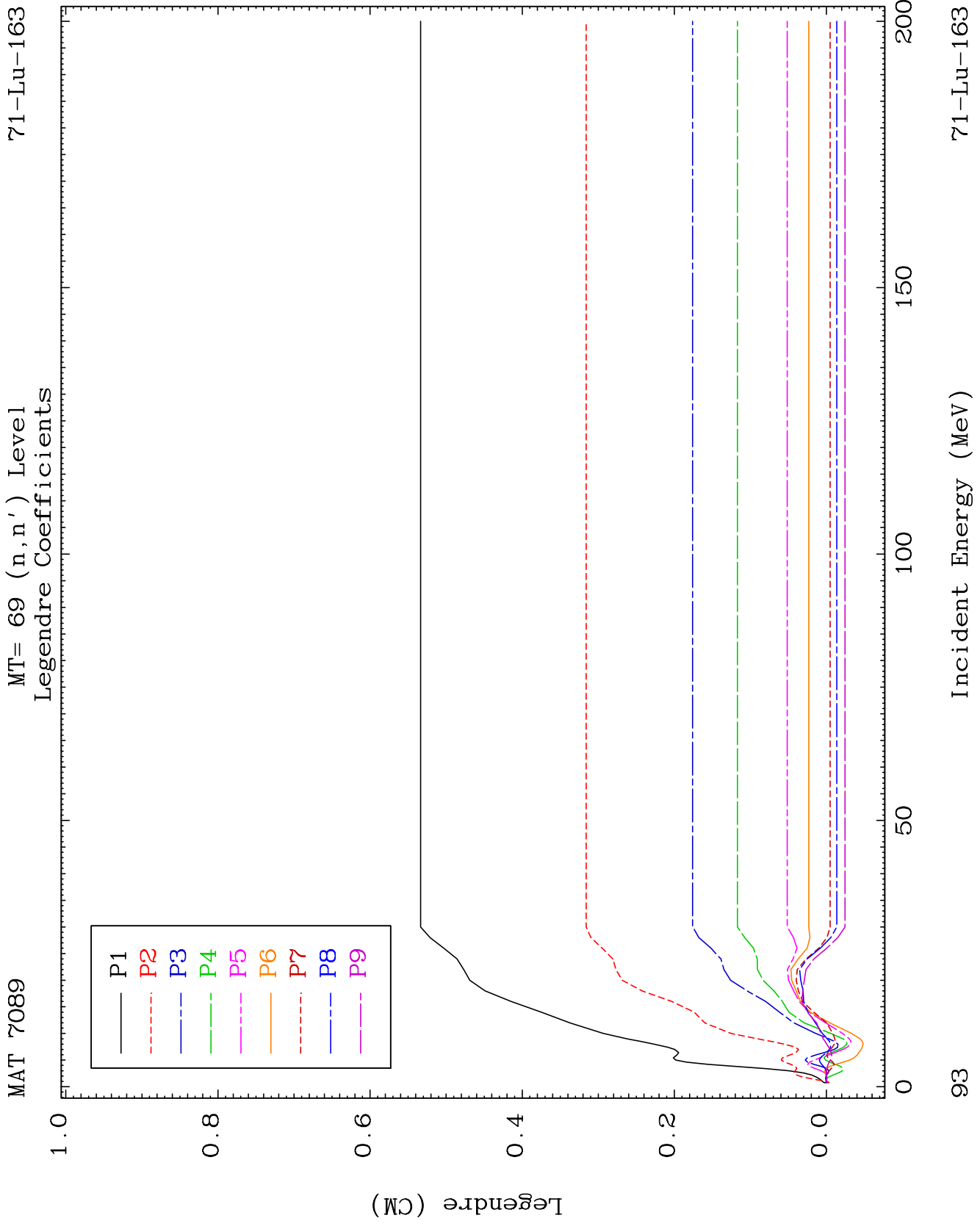


MAT 7089

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

71-Lu-163

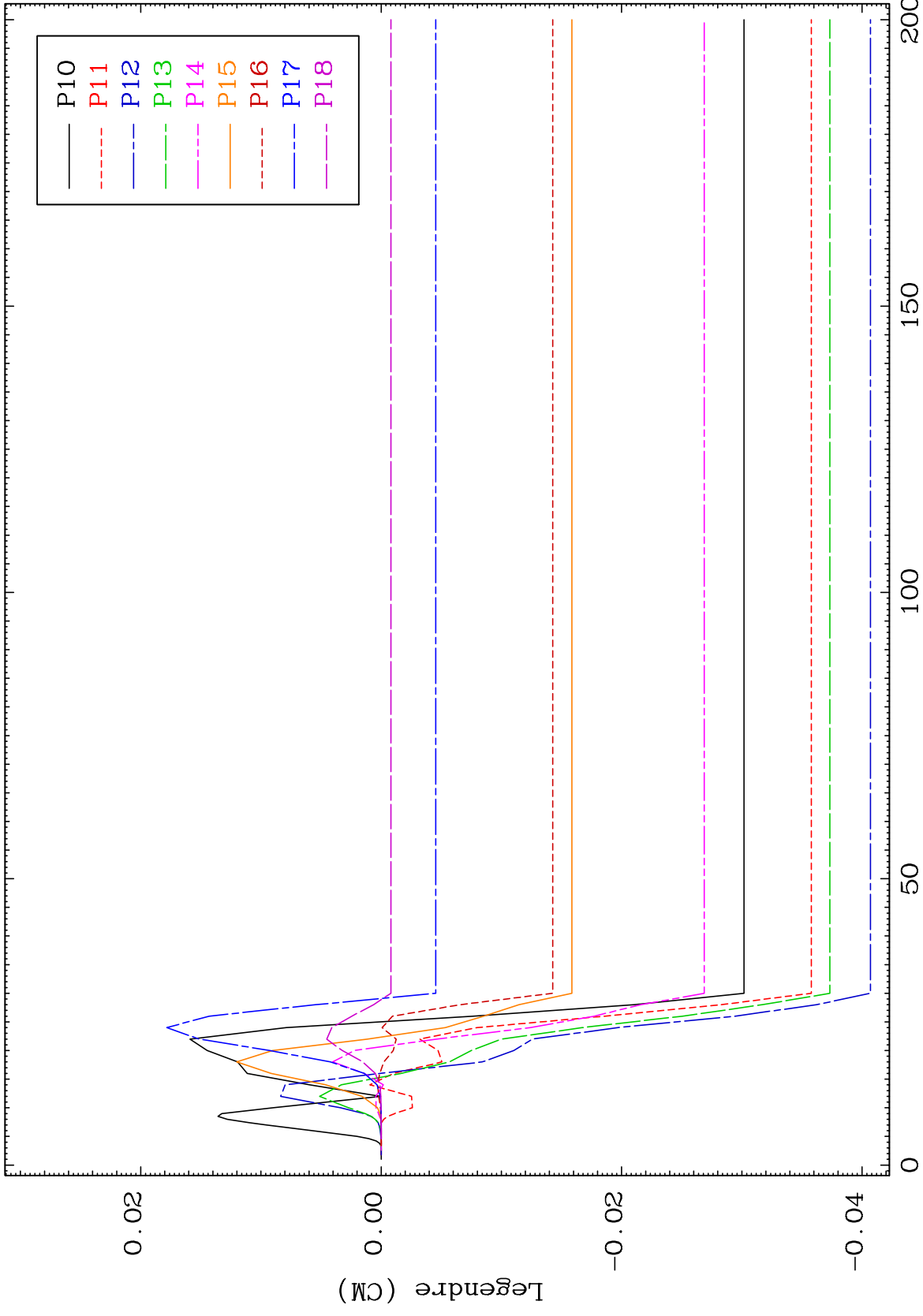




MAT 7089

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

71-Lu-163



94

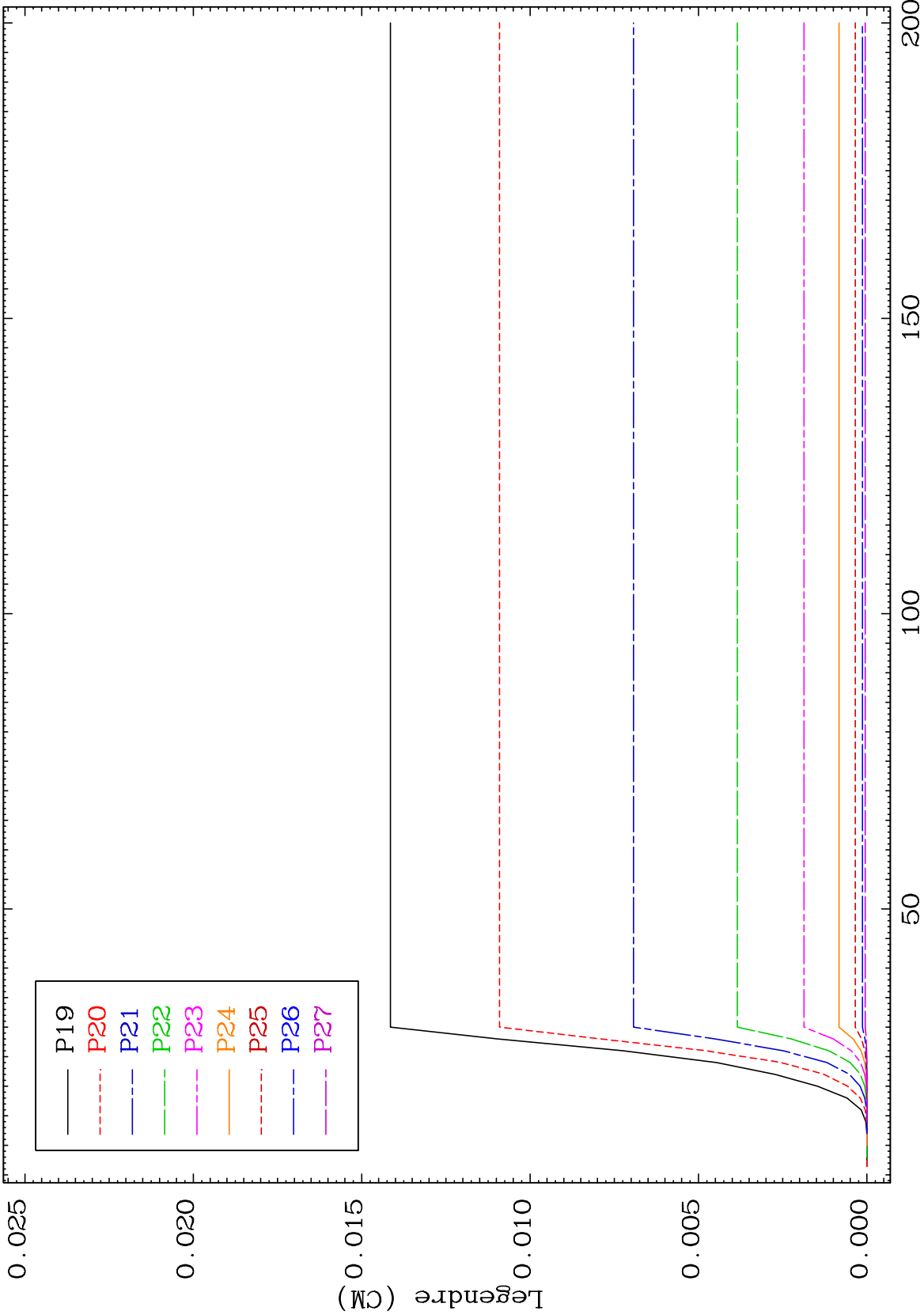
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



95

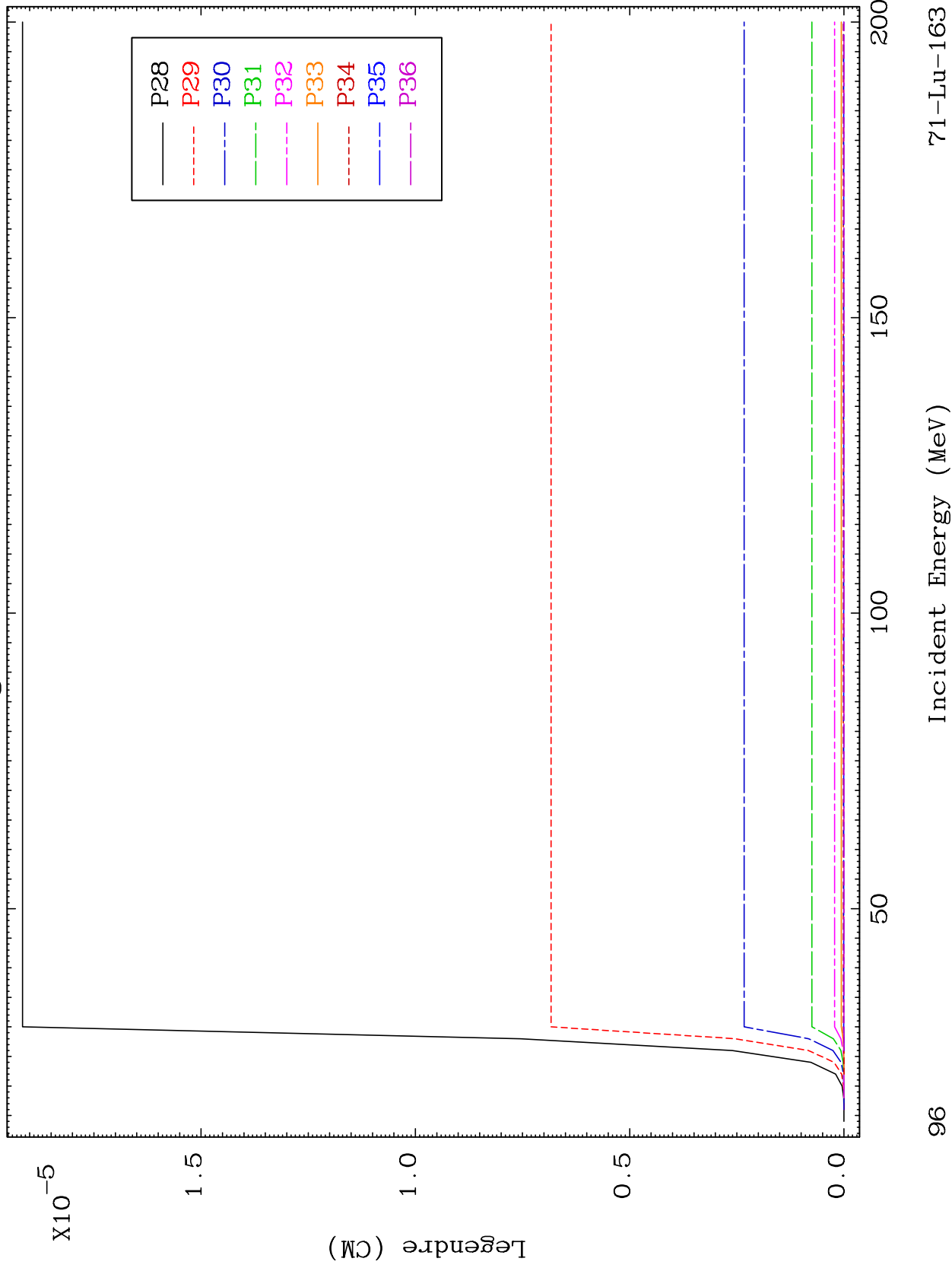
Incident Energy (MeV)

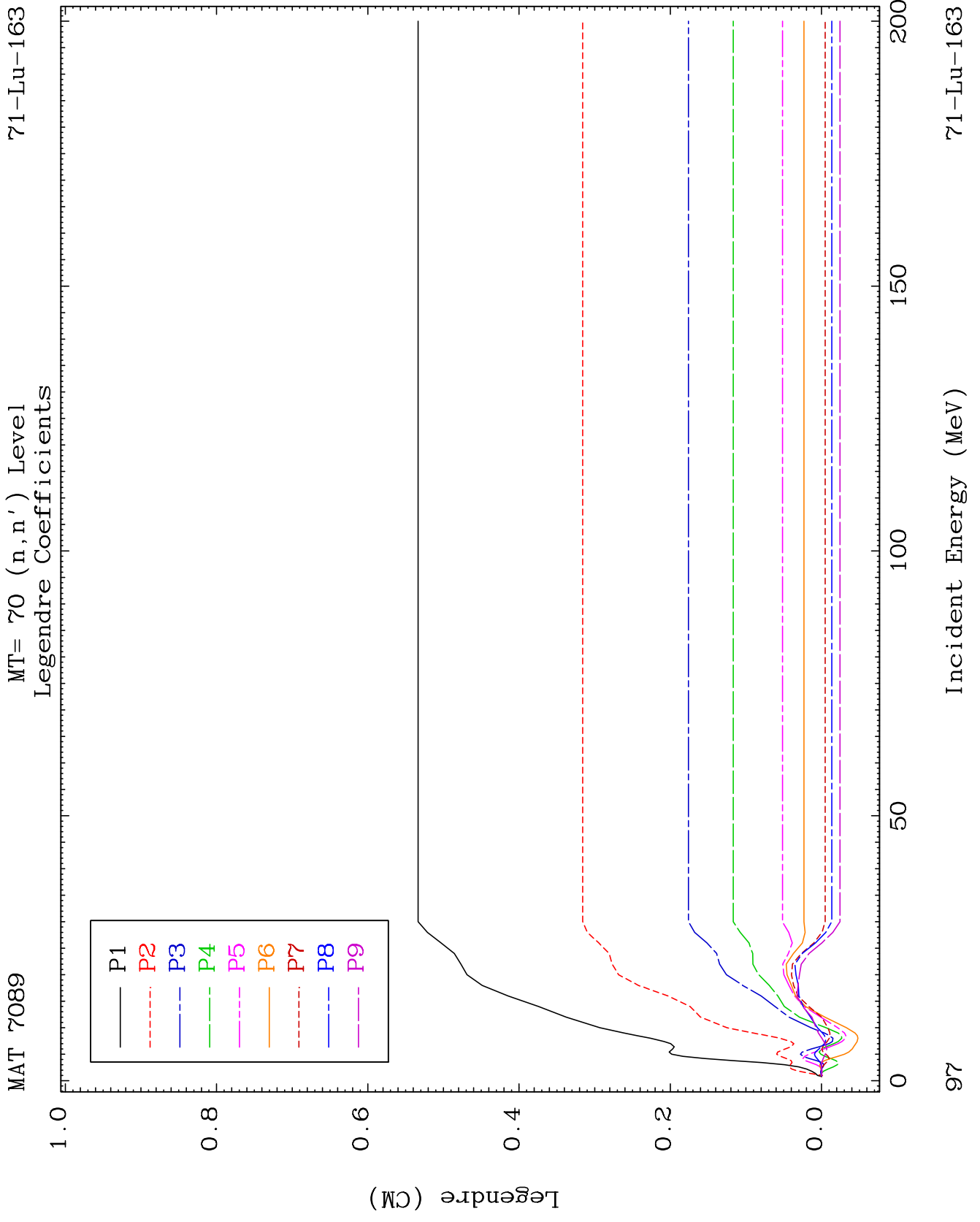
71-Lu-163

MAT 7089

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

71-Lu-163

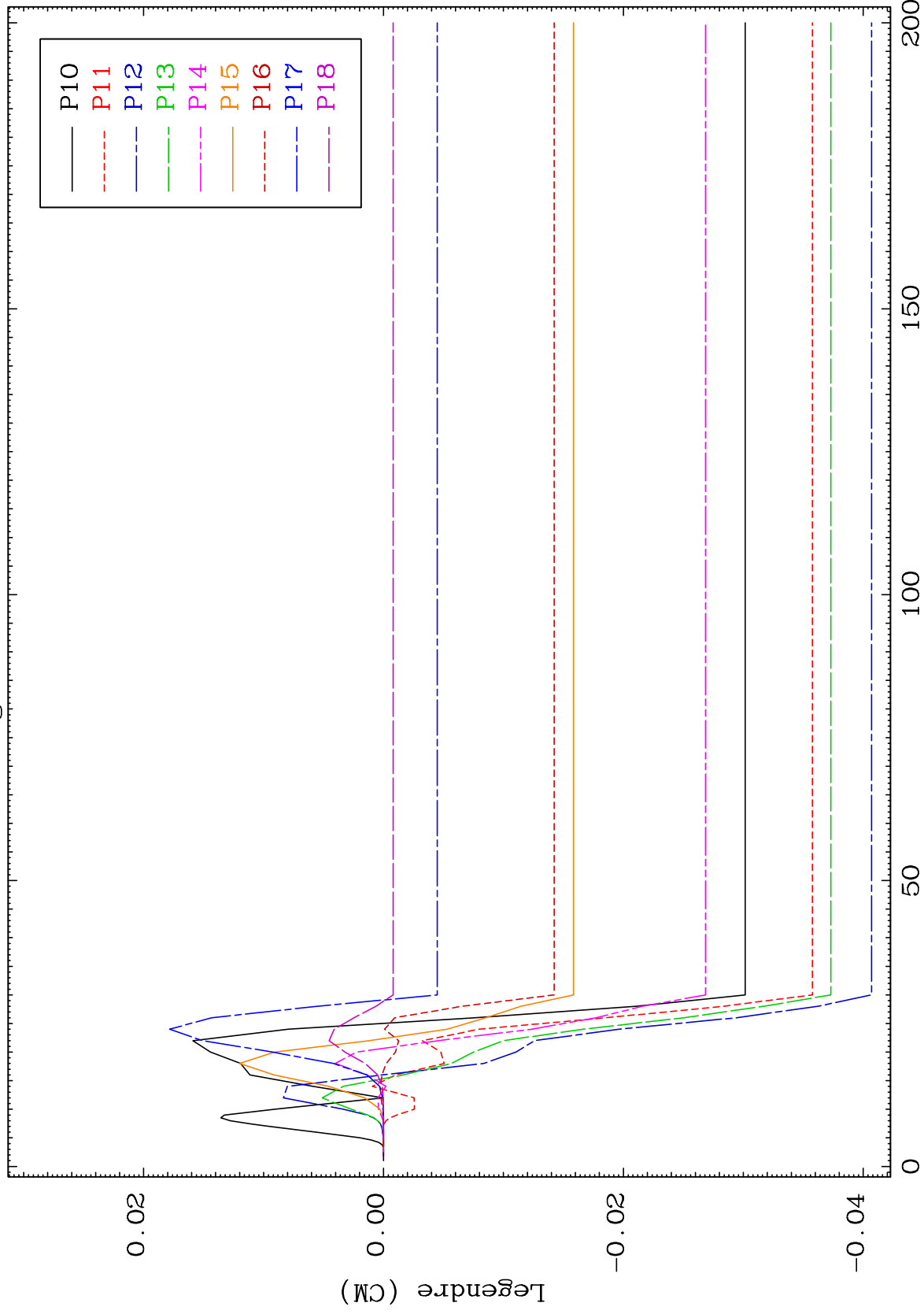




MAT 7089

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

71-Lu-163



98

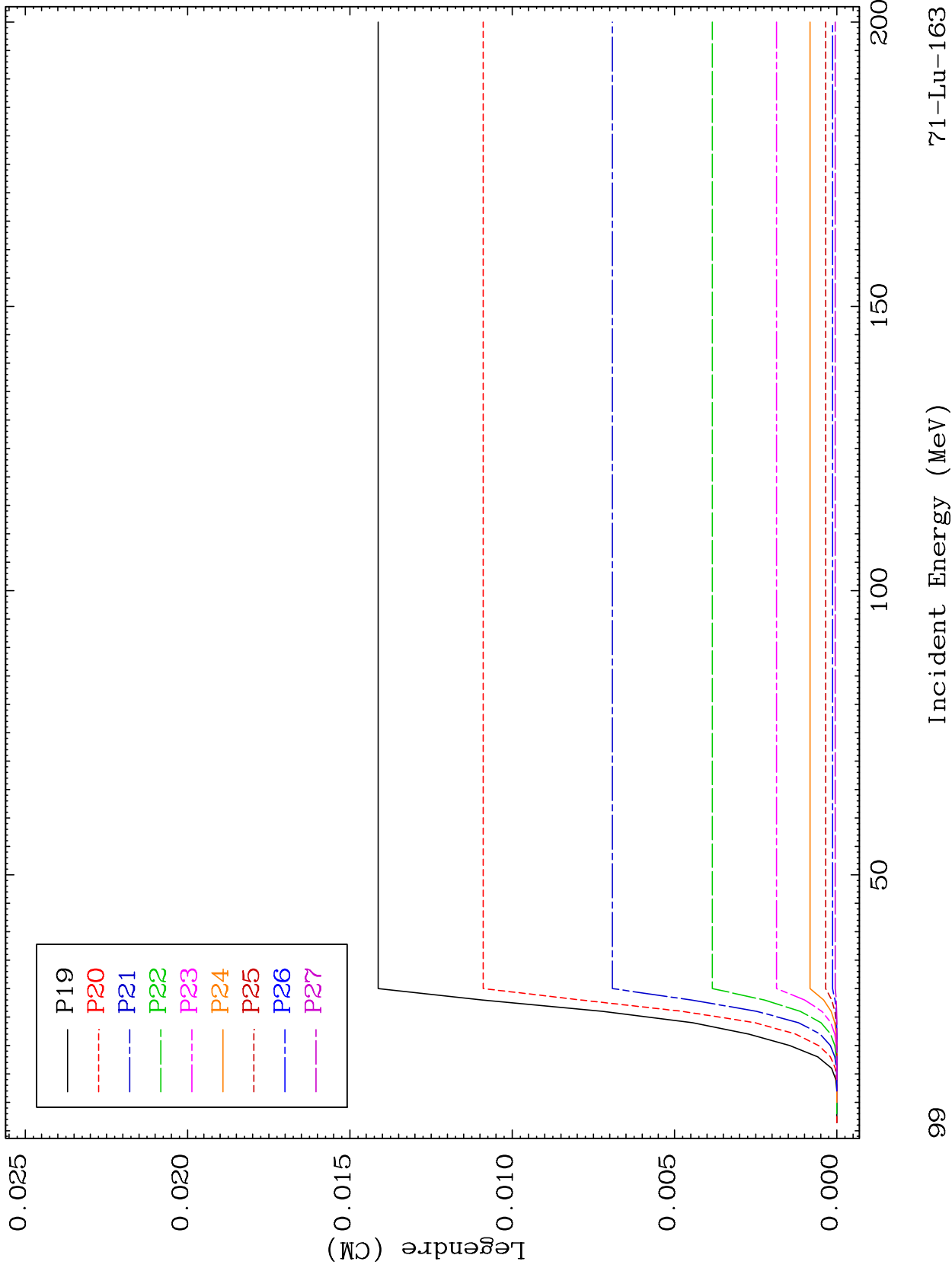
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



99

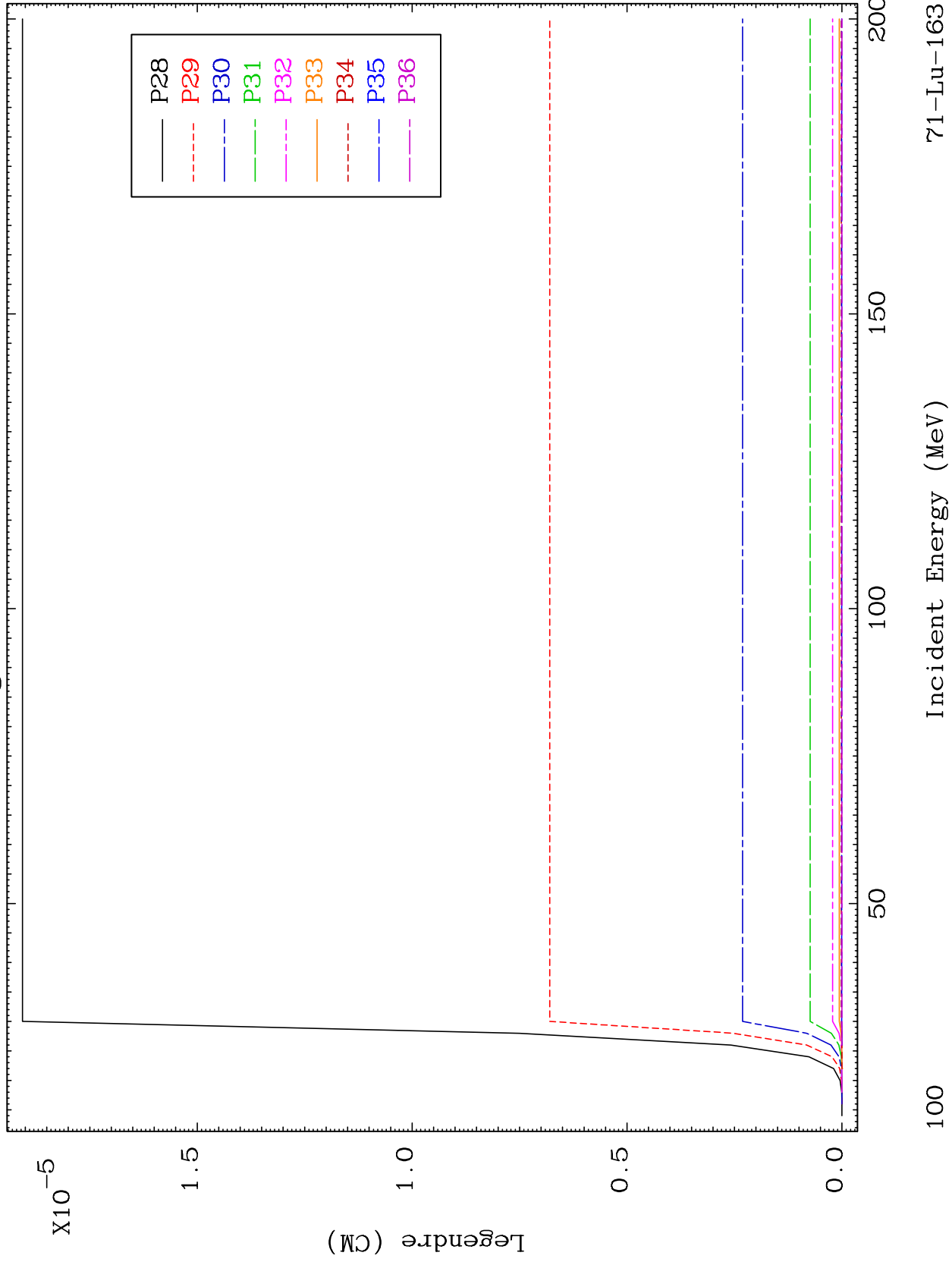
Incident Energy (MeV)

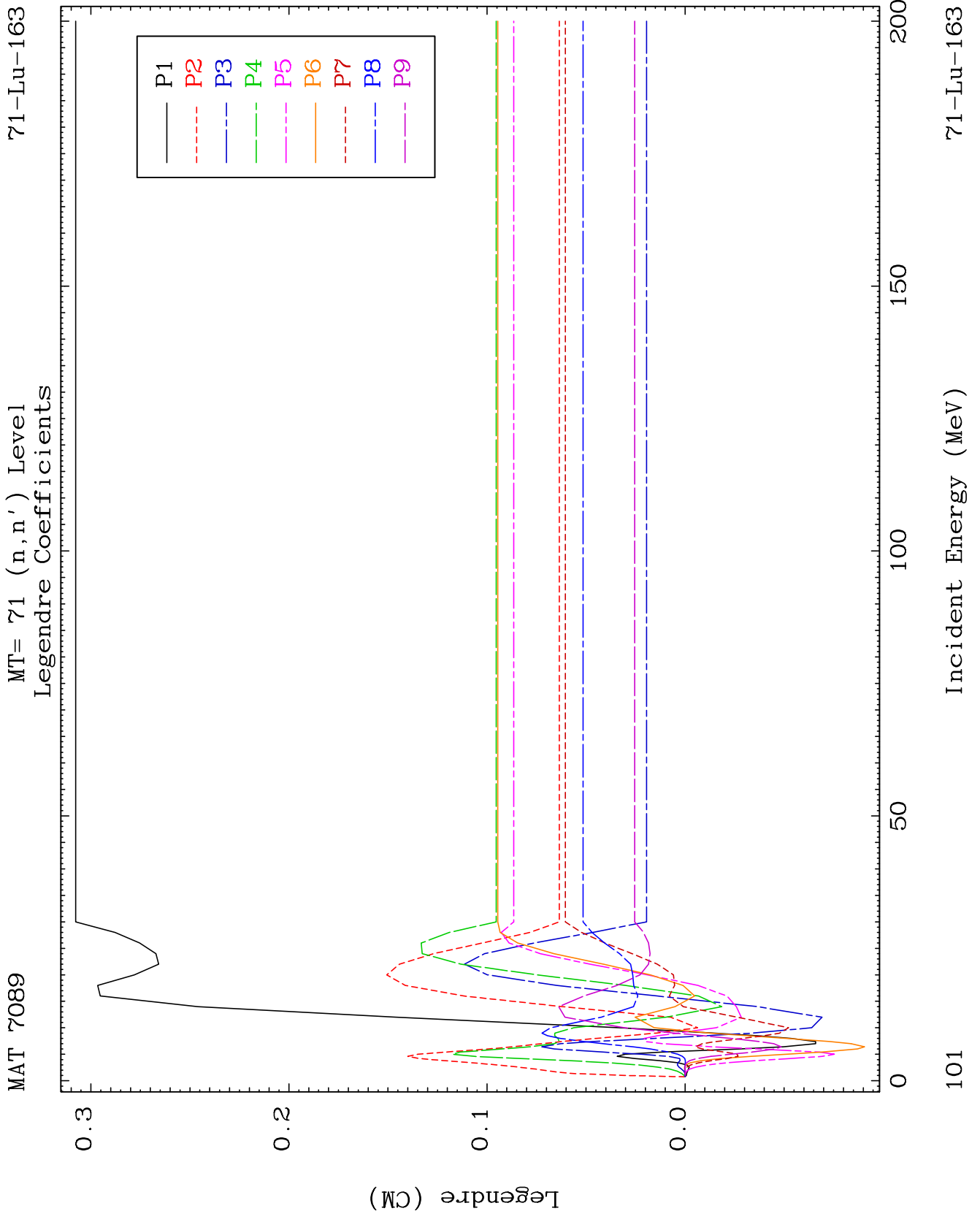
71-Lu-163

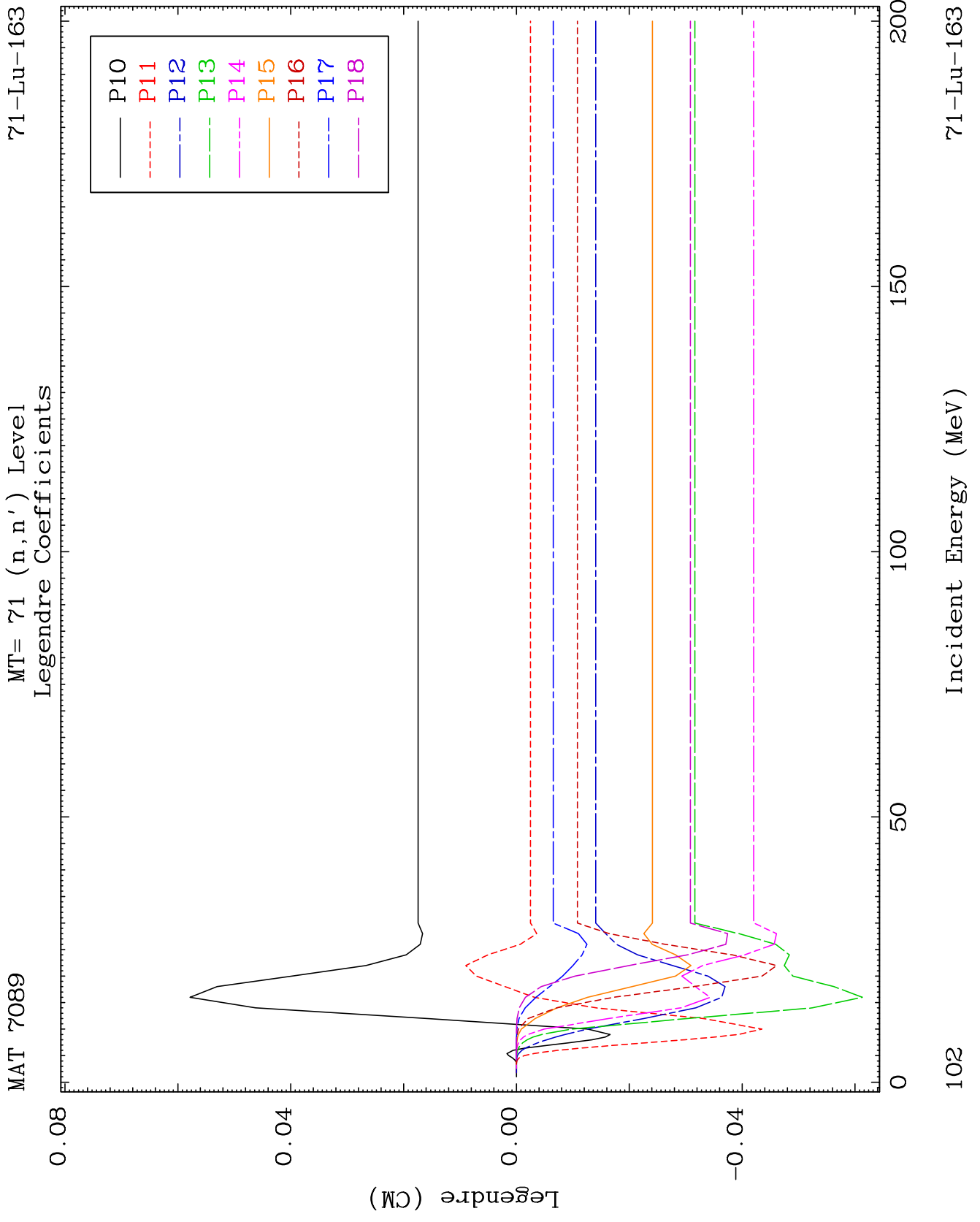
MAT 7089

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

71-Lu-163



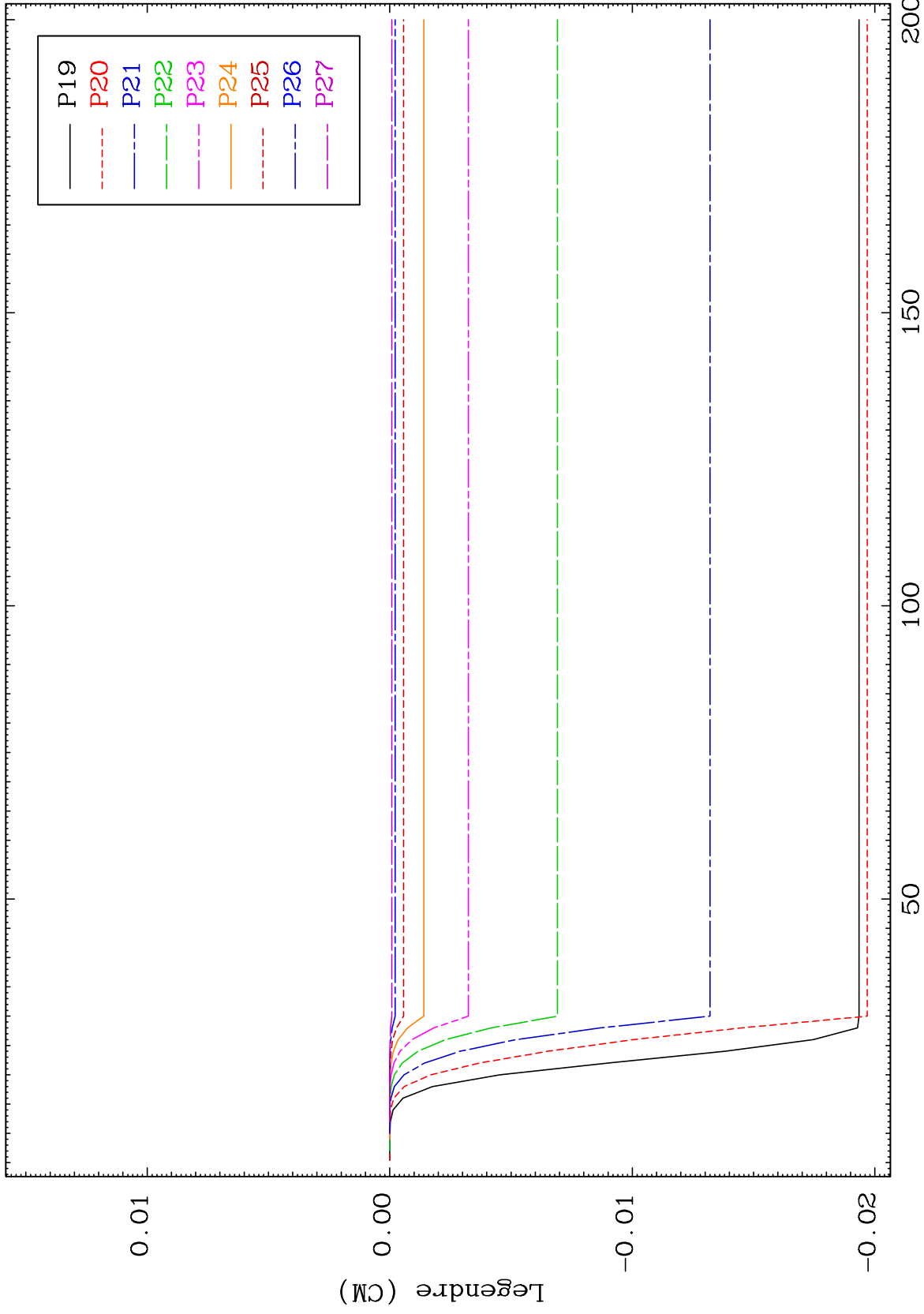




MAT 7089

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

71-Lu-163



103

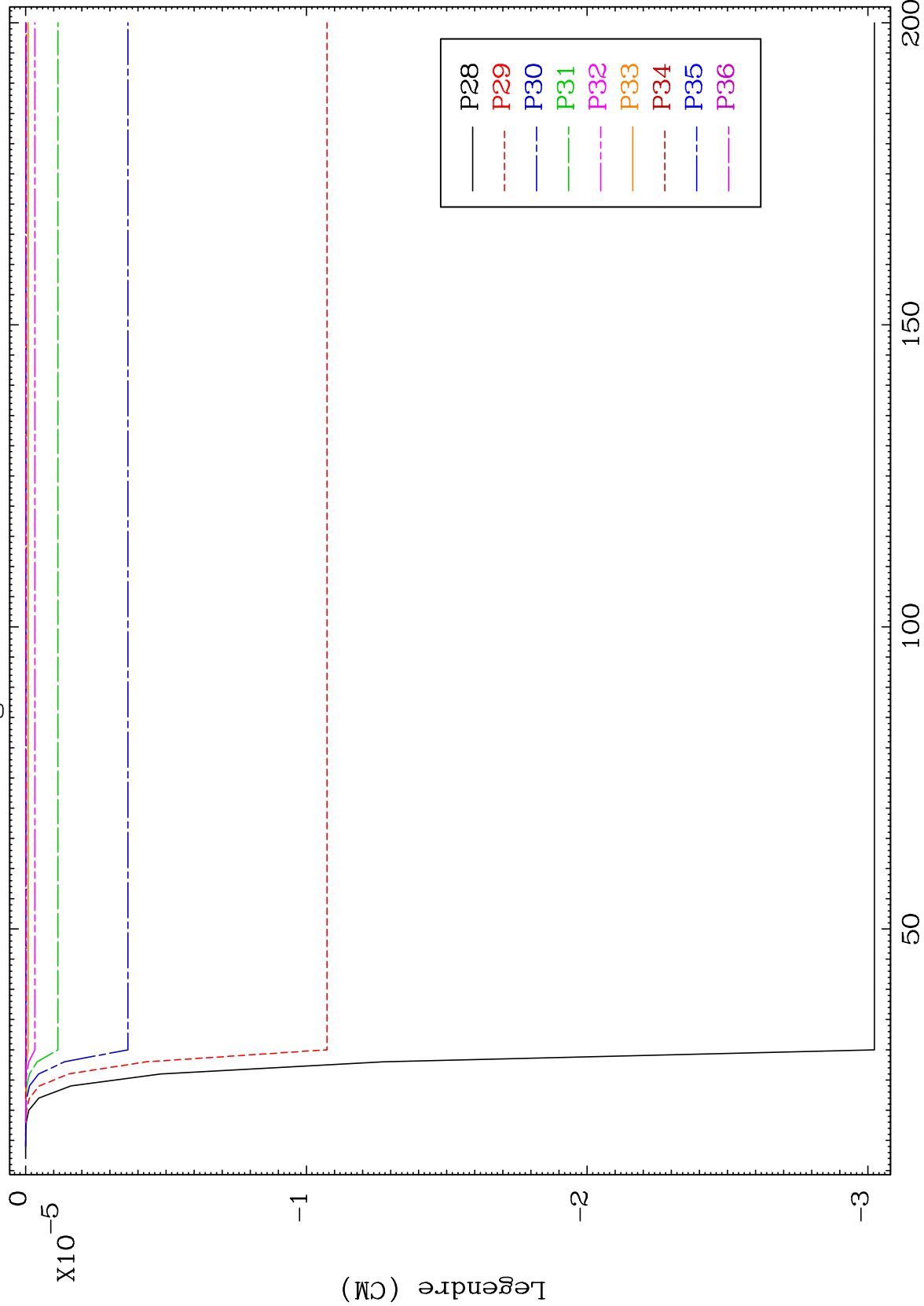
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



71-Lu-163

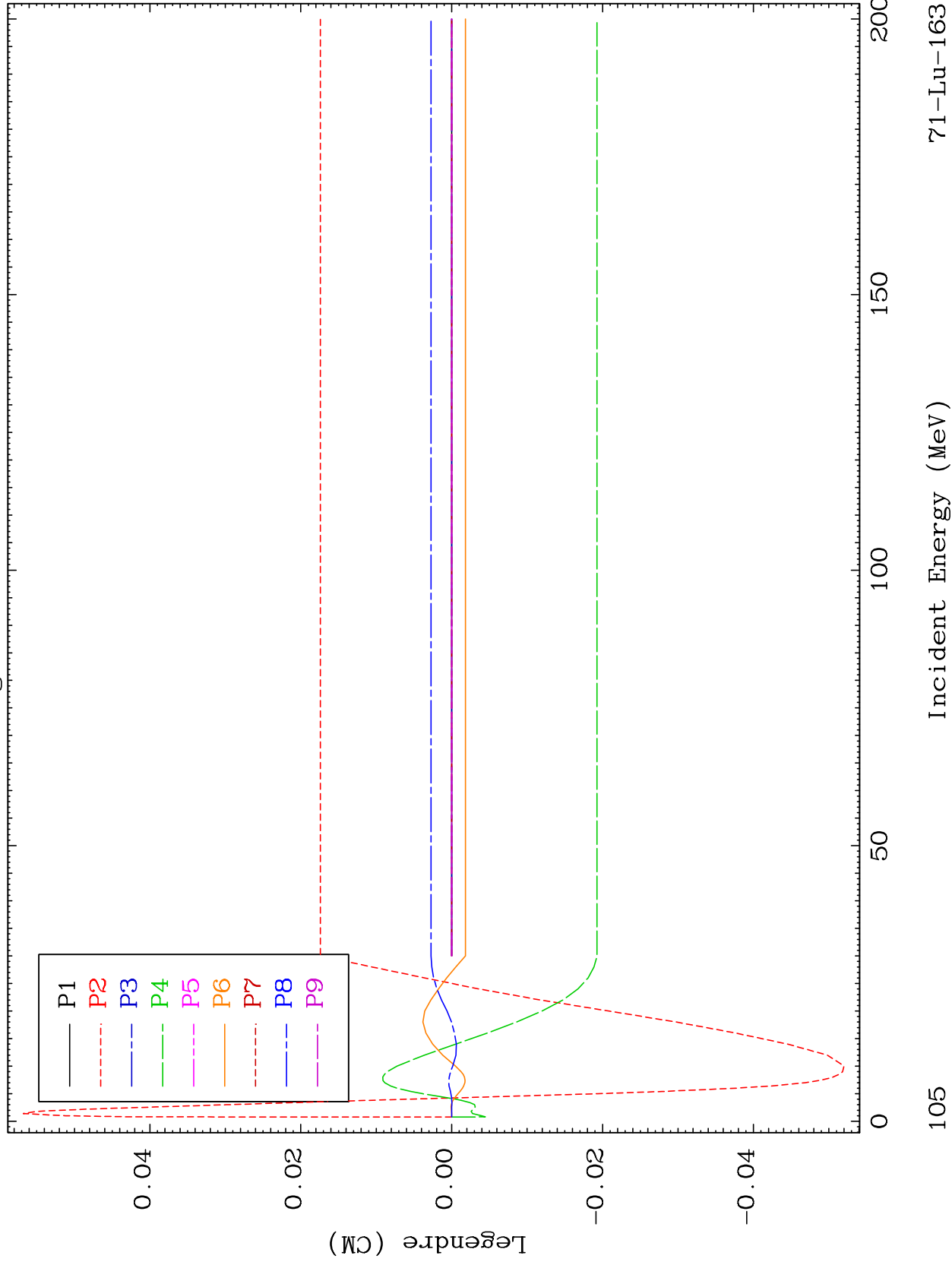
Incident Energy (MeV)

104

MAT 7089

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

71-Lu-163



71-Lu-163

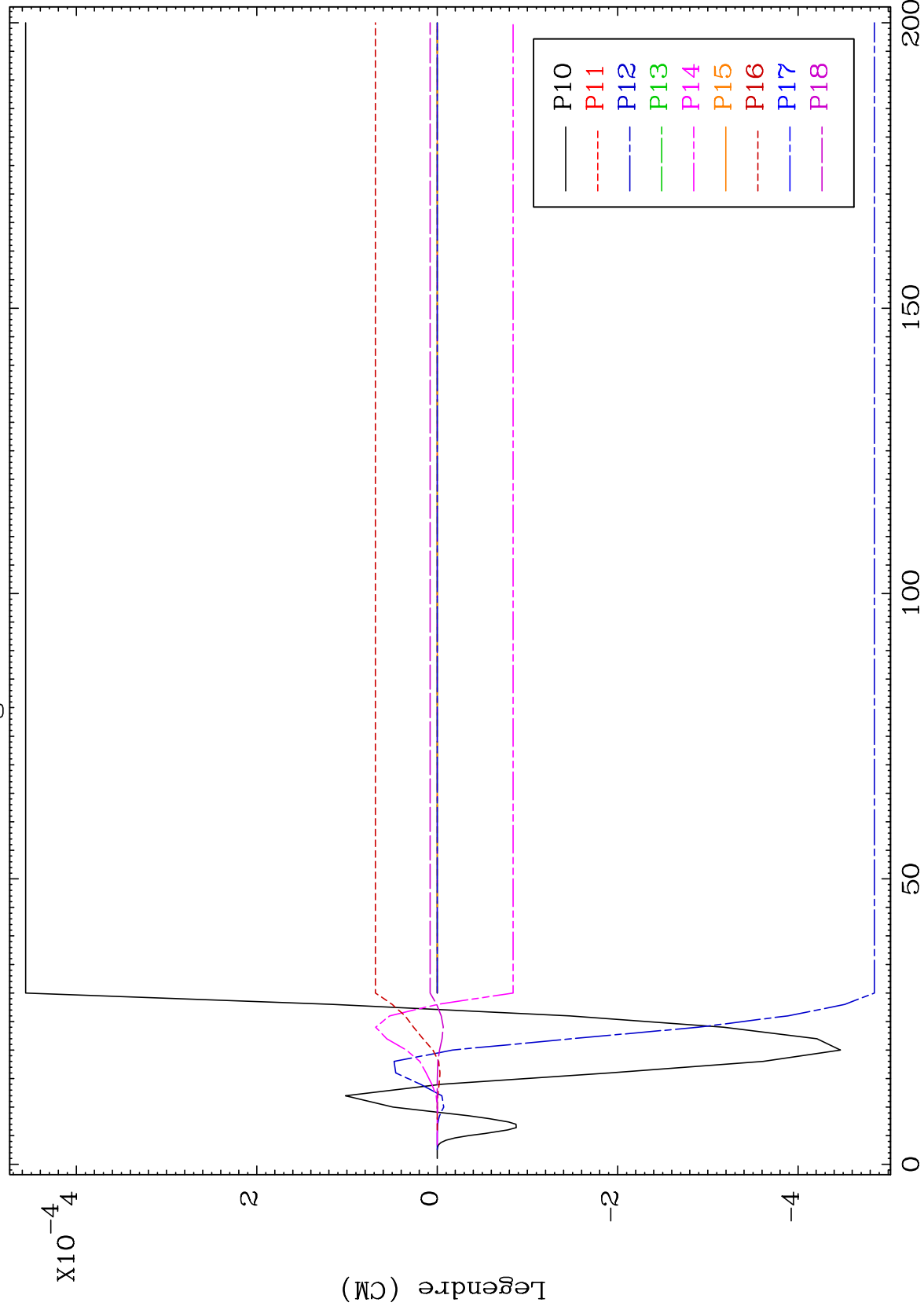
Incident Energy (MeV)

0

MAT 7089

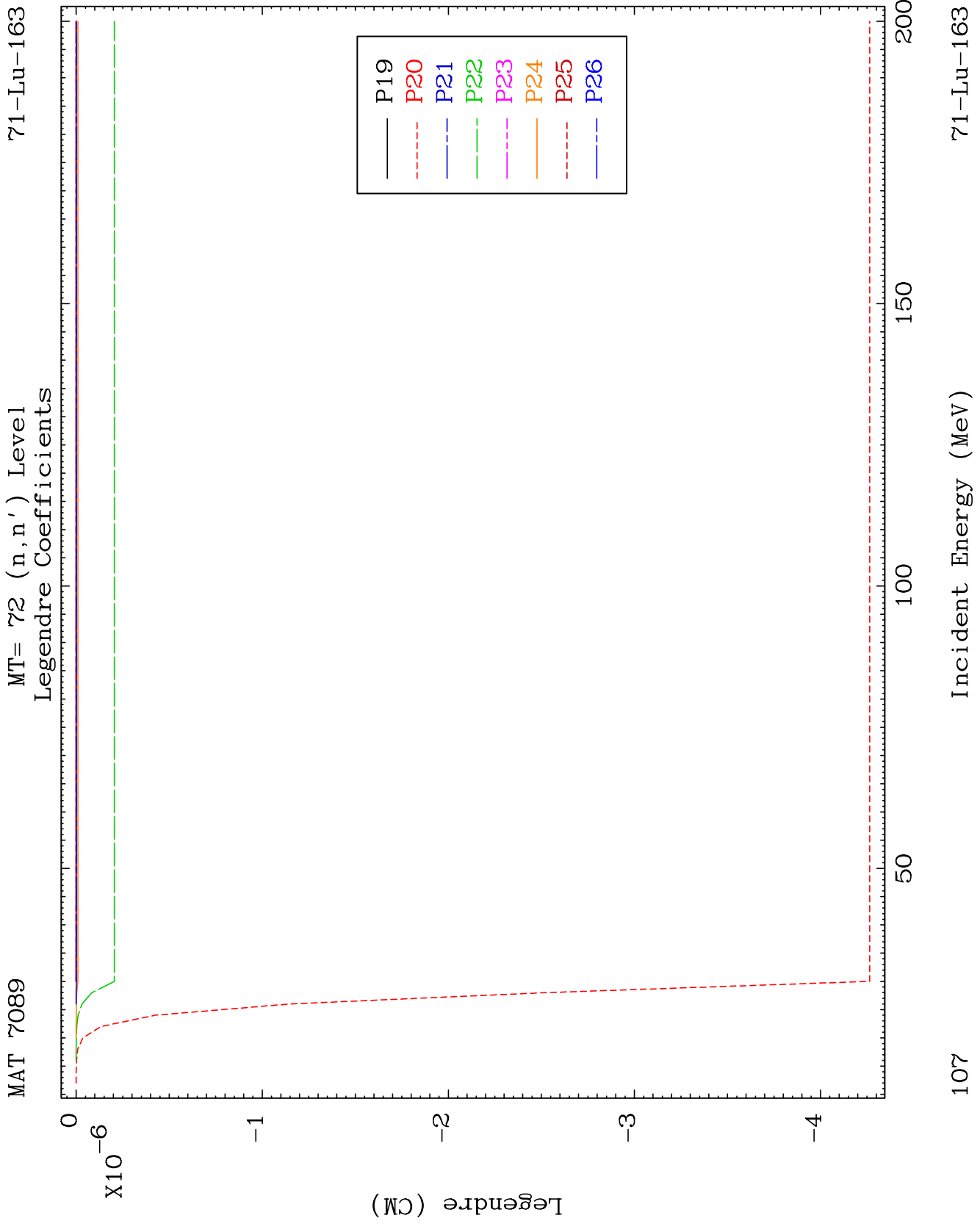
MT= 72 (n,n') Level
Legendre Coefficients

71-Lu-163



106

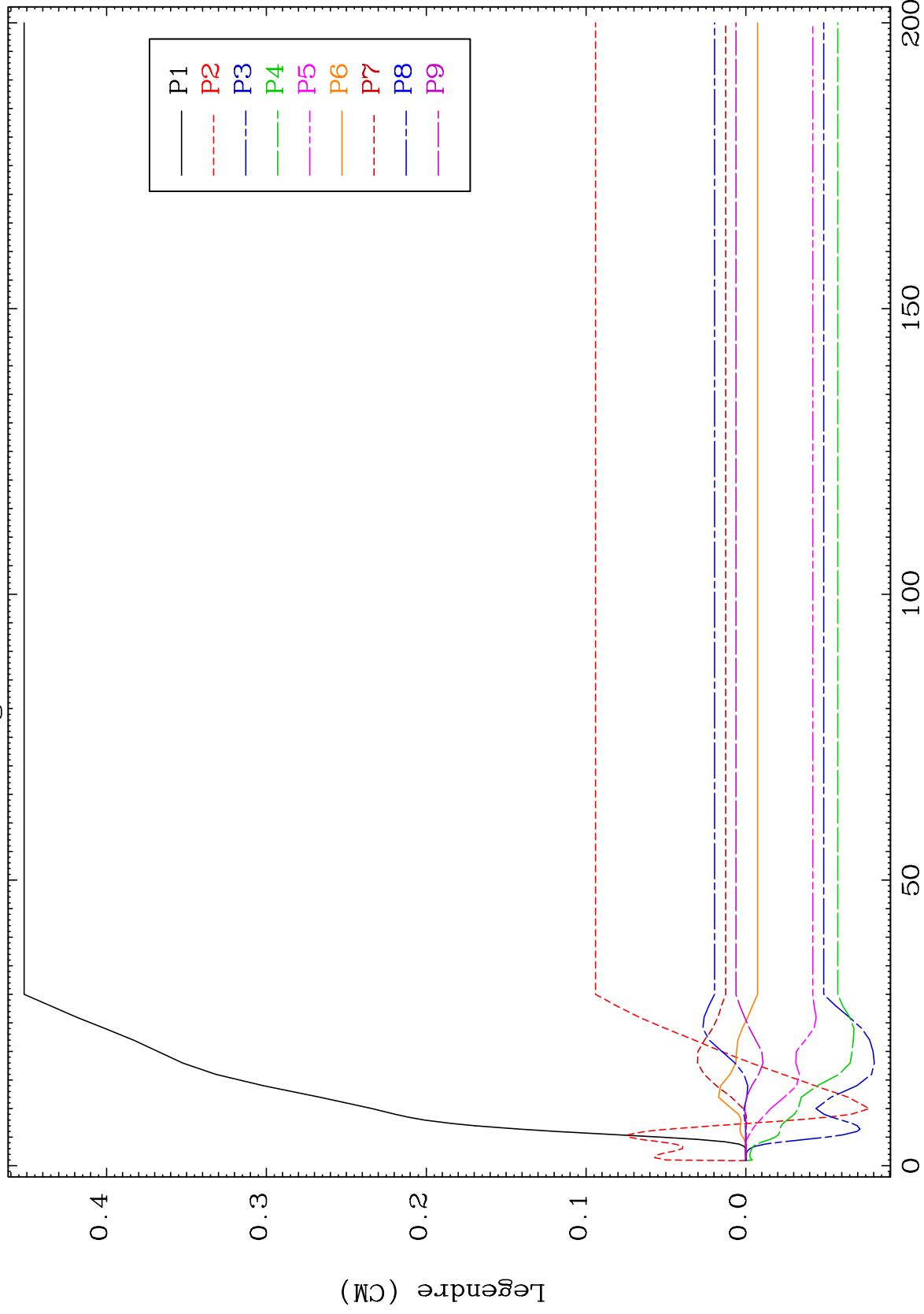
71-Lu-163



MAT 7089

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

71-Lu-163



71-Lu-163

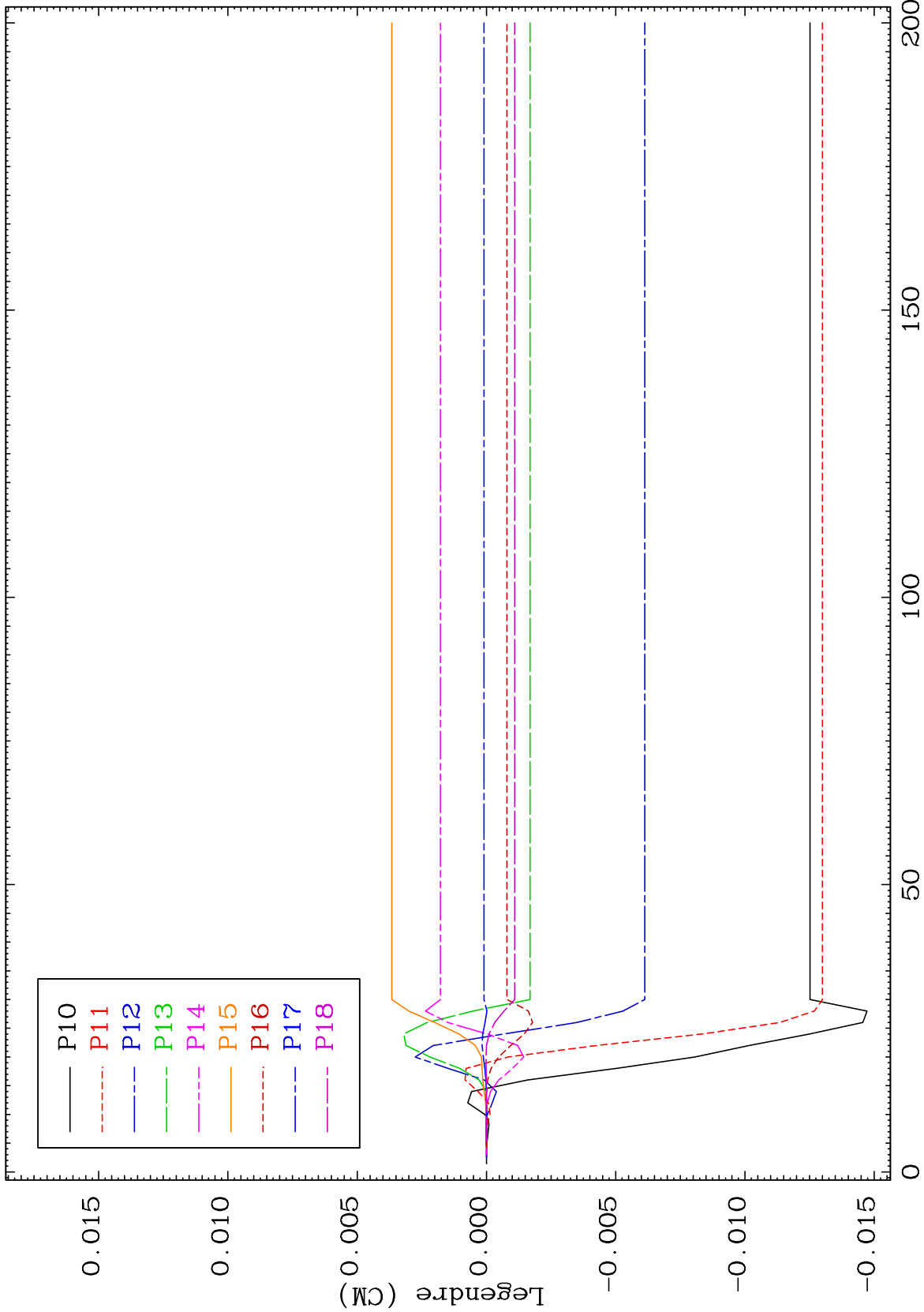
Incident Energy (MeV)

108

MAT 7089

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

71-Lu-163



109

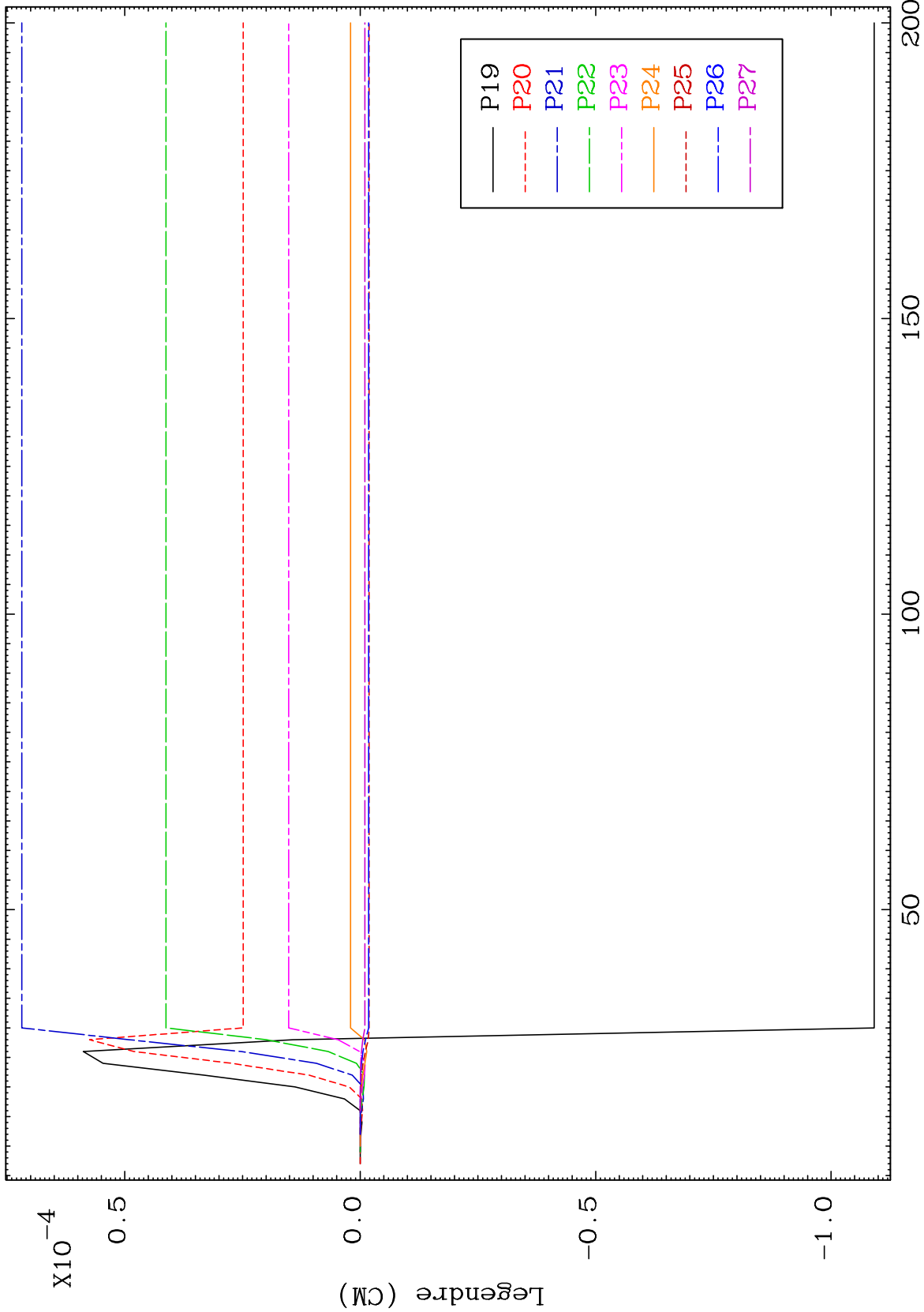
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

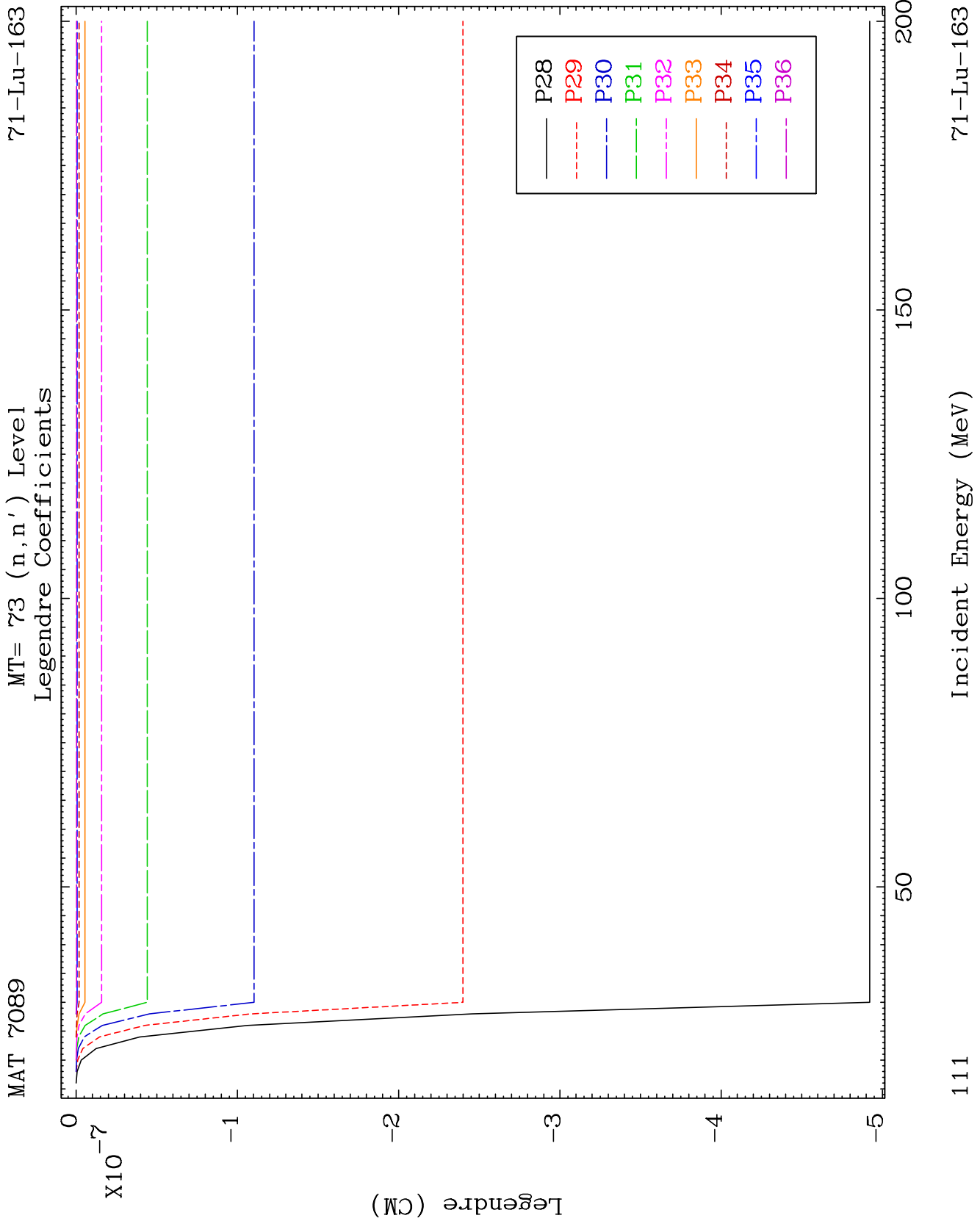
71-Lu-163

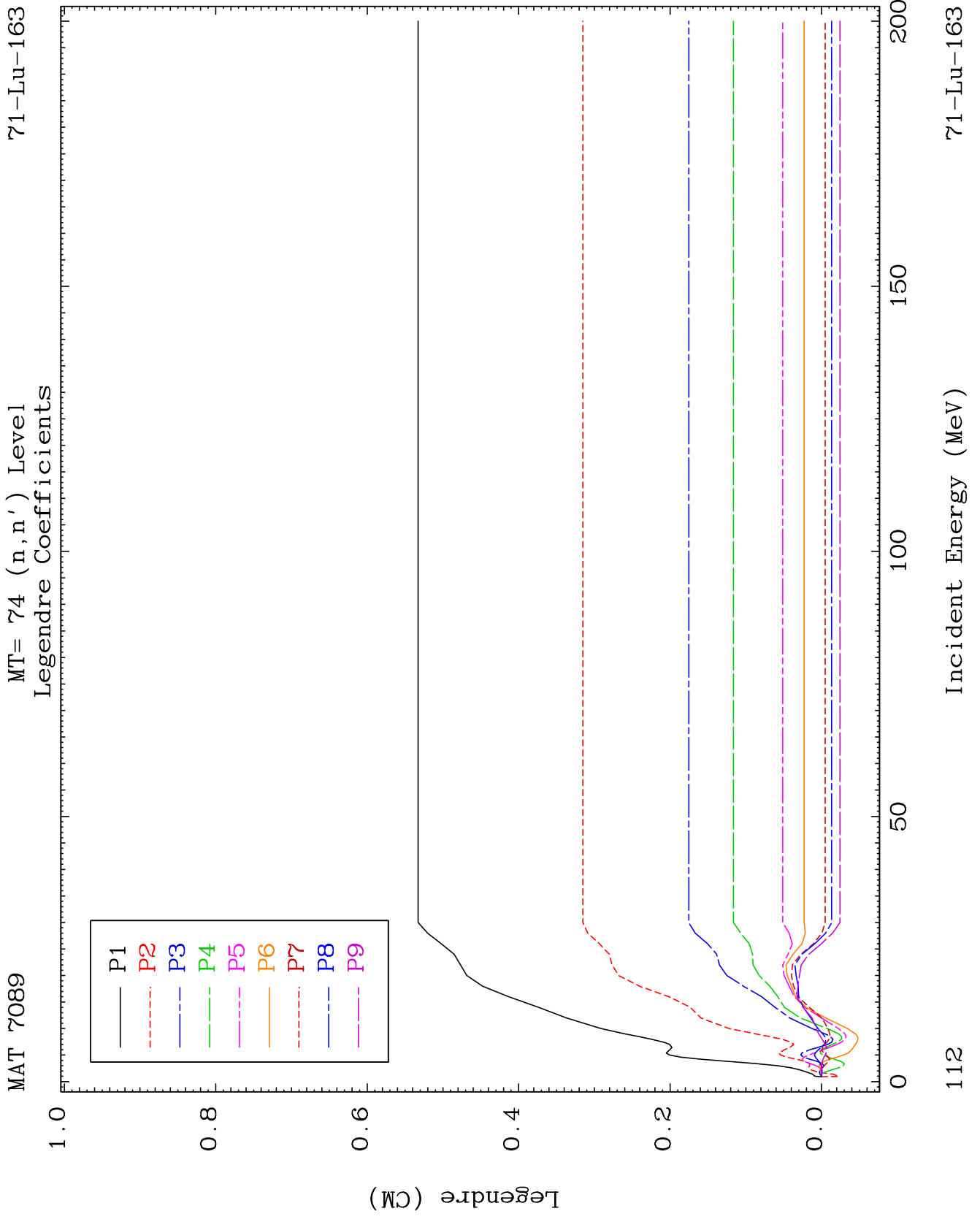


110

Incident Energy (MeV)

71-Lu-163

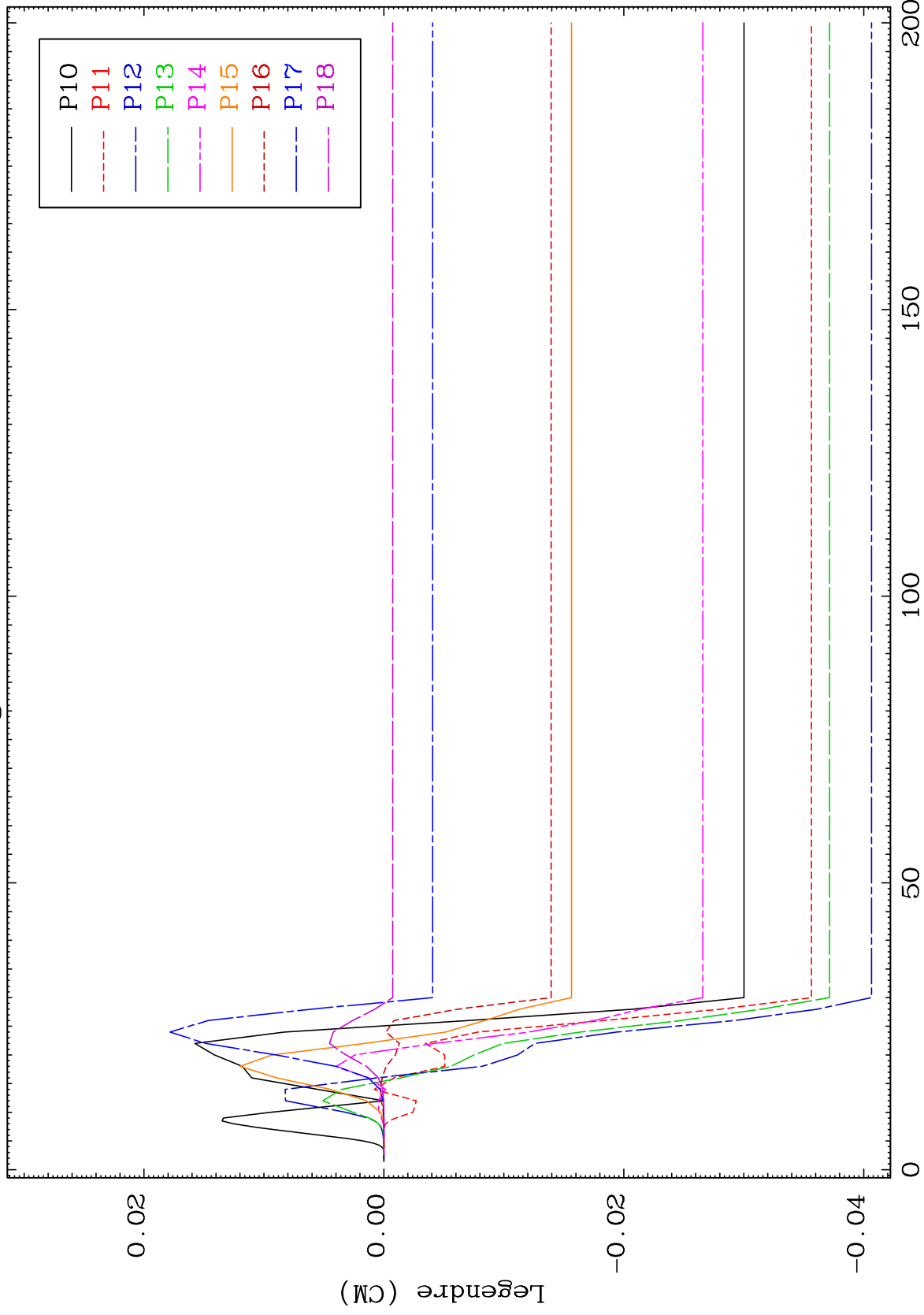




MAT 7089

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

71-Lu-163



113

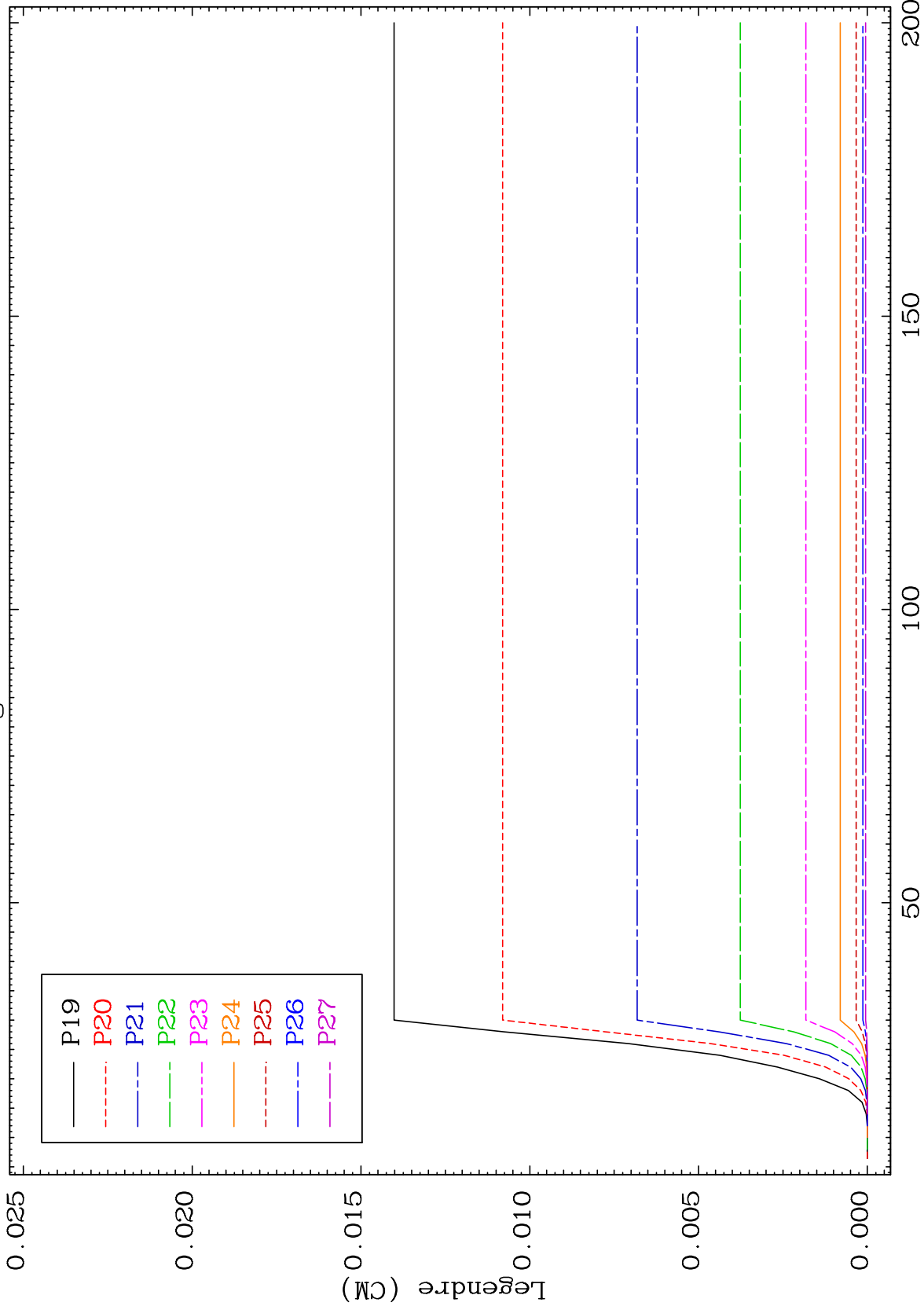
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

71-Lu-163



114

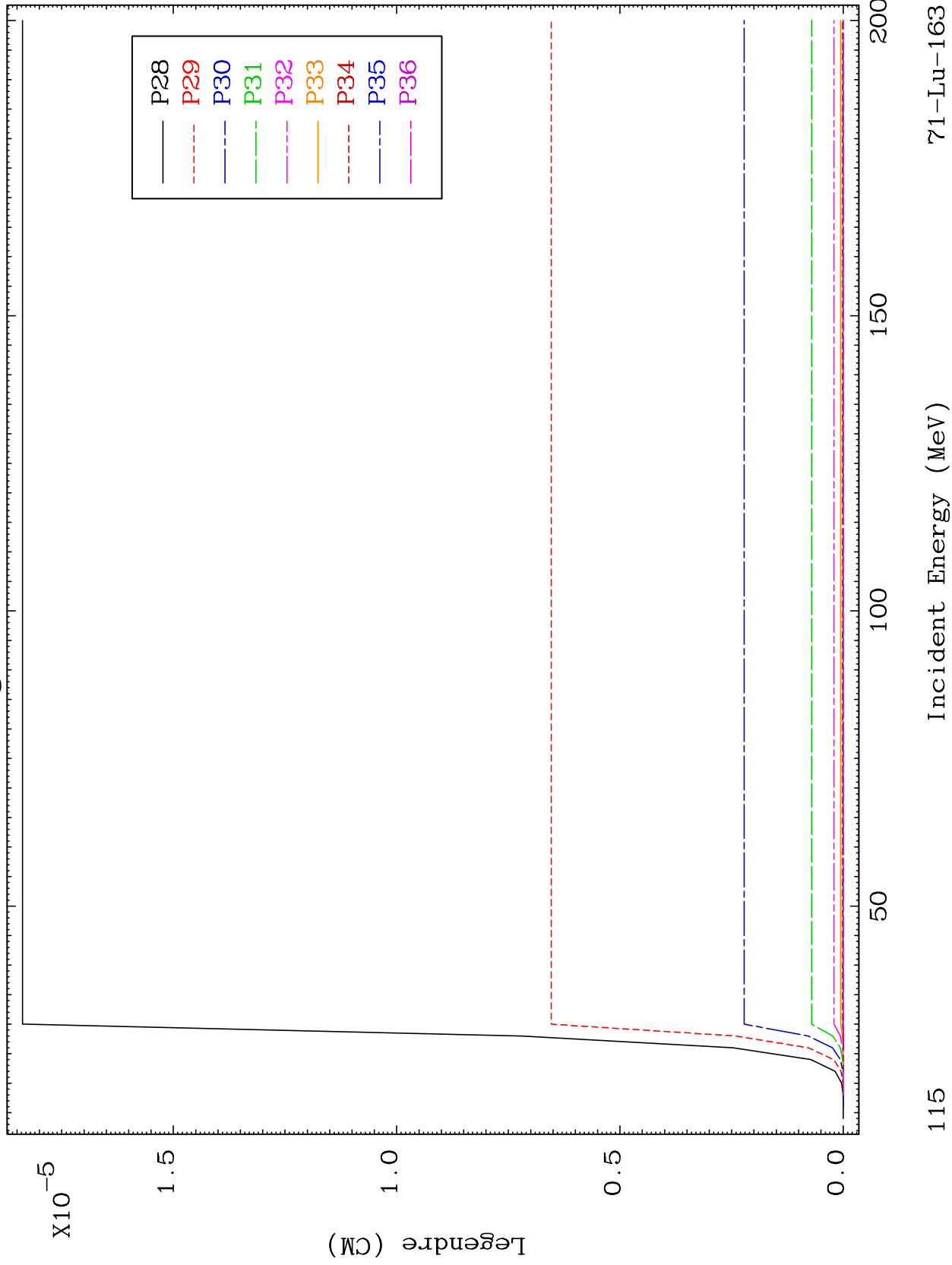
Incident Energy (MeV)

71-Lu-163

MAT 7089

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

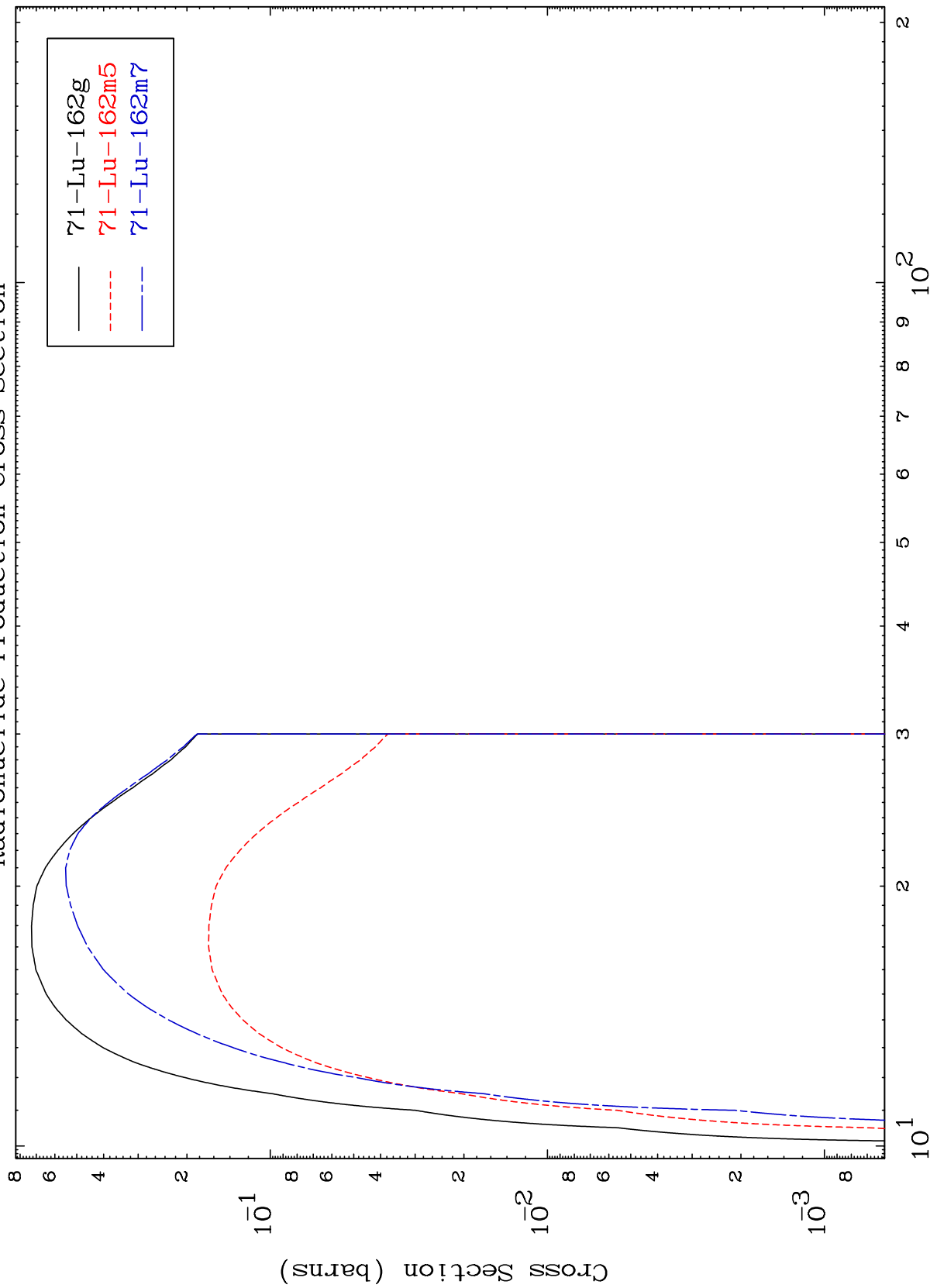
71-Lu-163



MAT 7089

71-Lu-163

(n,2n)
Radionuclide Production Cross Section



71-Lu-163

Incident Energy (MeV)

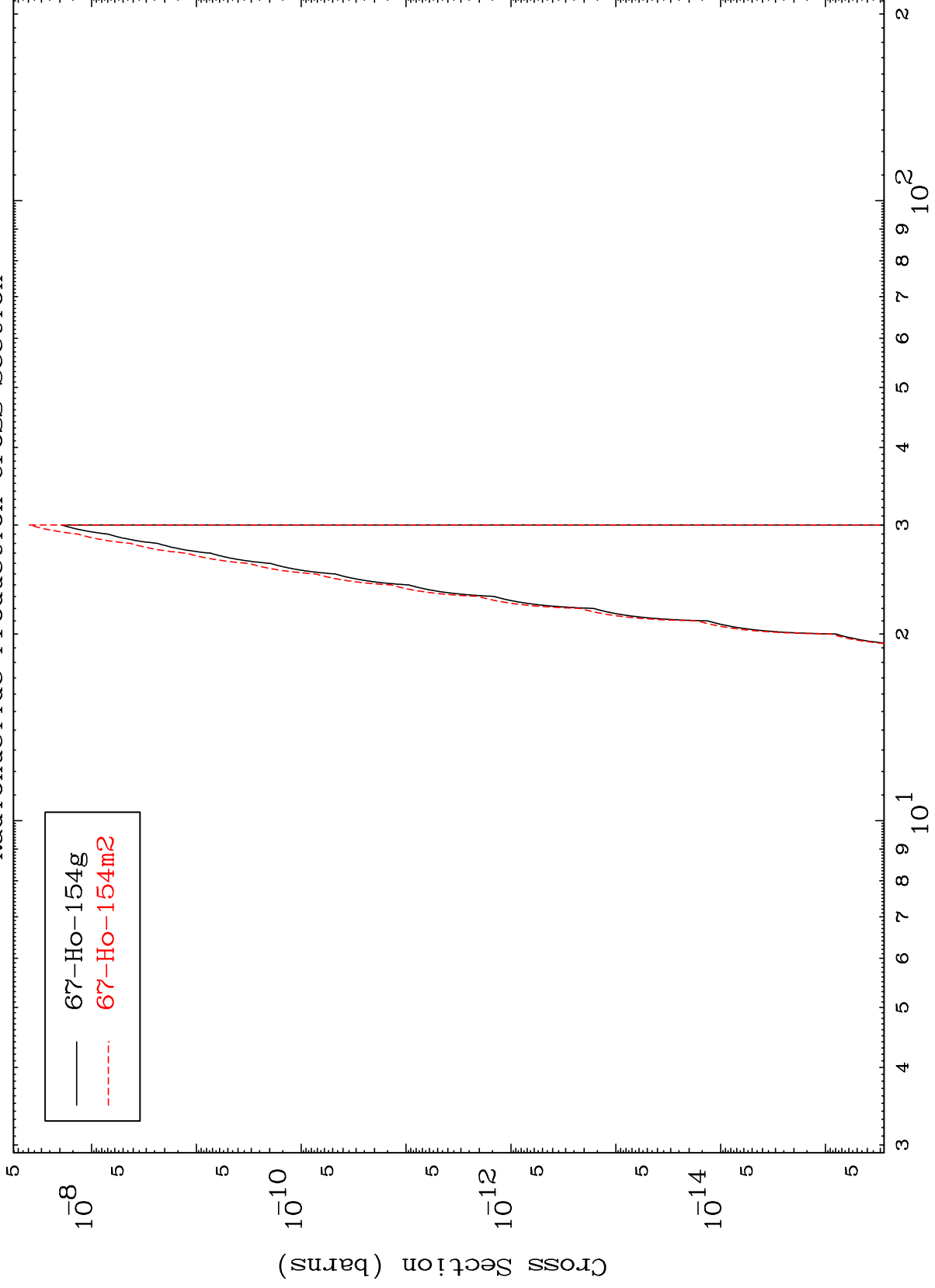
116

MAT 7089

$(n,2n) 2\alpha$

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

Radionuclide Production Cross Section



117

Incident Energy (MeV)

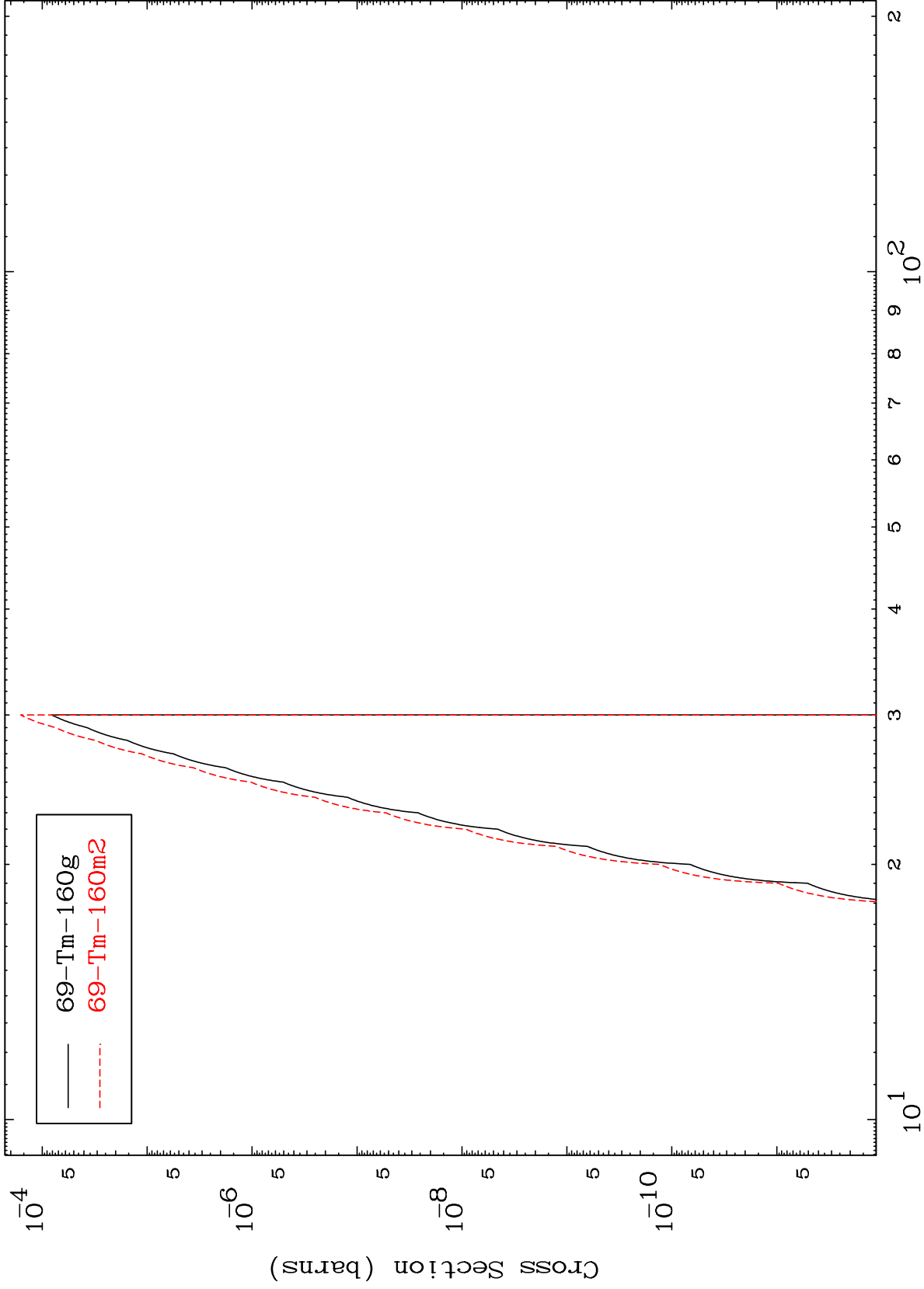
$^{71}\text{Lu-163}$

MAT 7089

(n,n') He-3

71-Lu-163

Radionuclide Production Cross Section



Incident Energy (MeV)

71-Lu-163

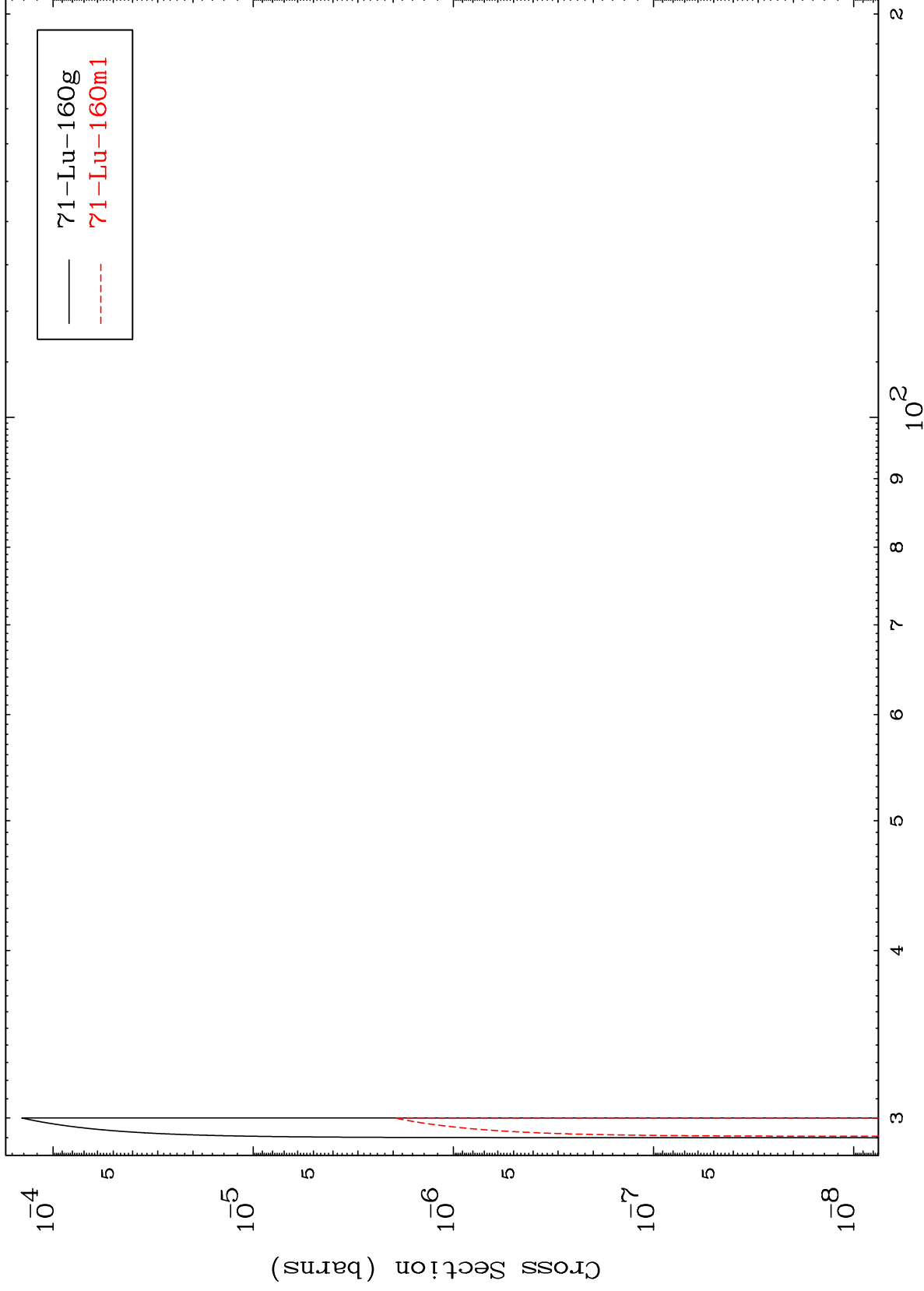
118

MAT 7089

(n,4n)

⁷¹Lu-163

Radionuclide Production Cross Section



119

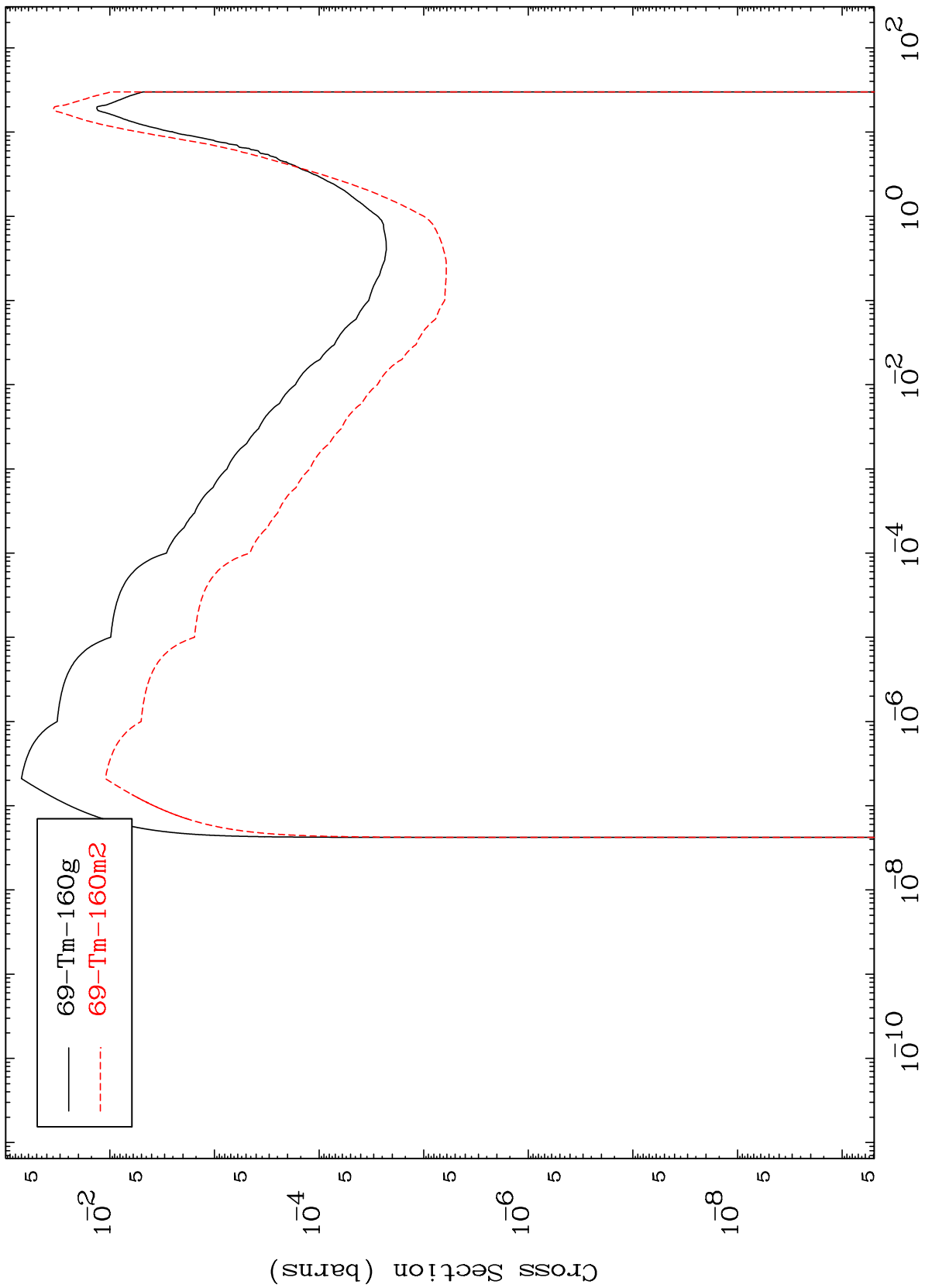
Incident Energy (MeV)

⁷¹Lu-163

MAT 7089

71-Lu-163

Radionuclide Production Cross Section (n, α)



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

120

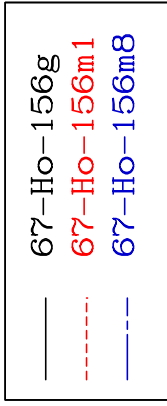
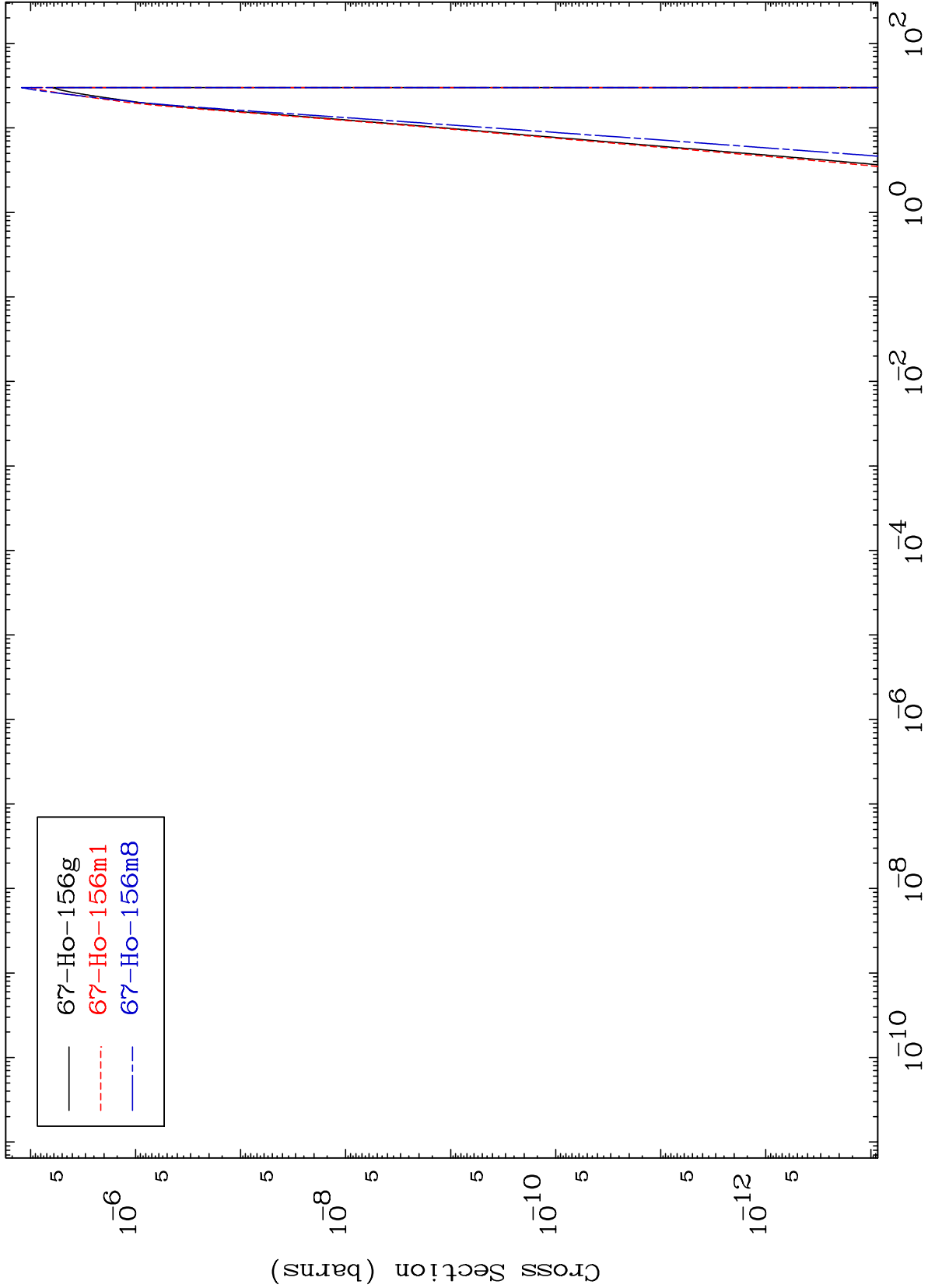
71-Lu-163

MAT 7089

(n,2α)

⁷¹Lu-163

Radionuclide Production Cross Section



121

Incident Energy (MeV)

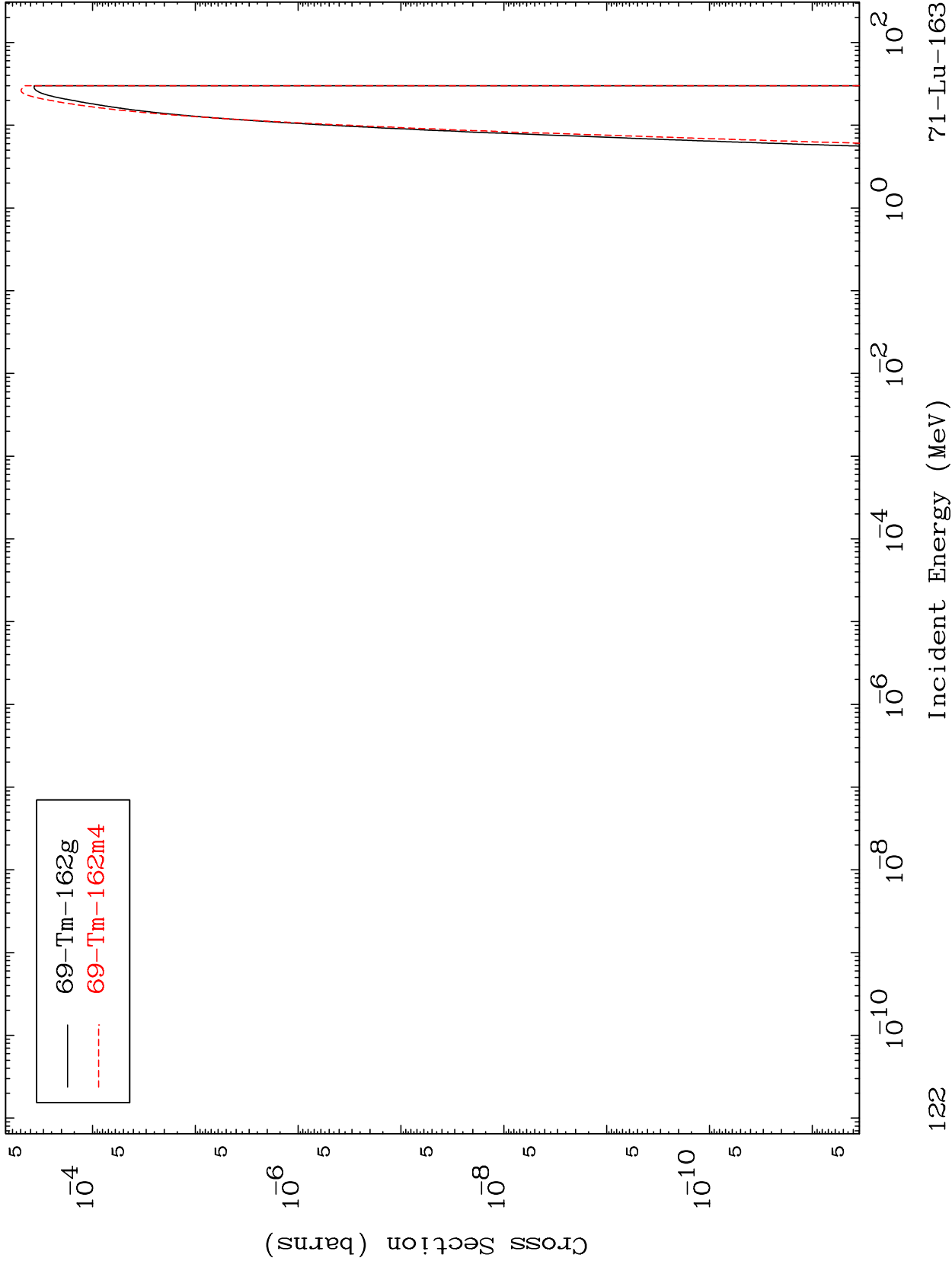
⁷¹Lu-163

MAT 7089

(n,2p)

⁷¹Lu-163

Radionuclide Production Cross Section



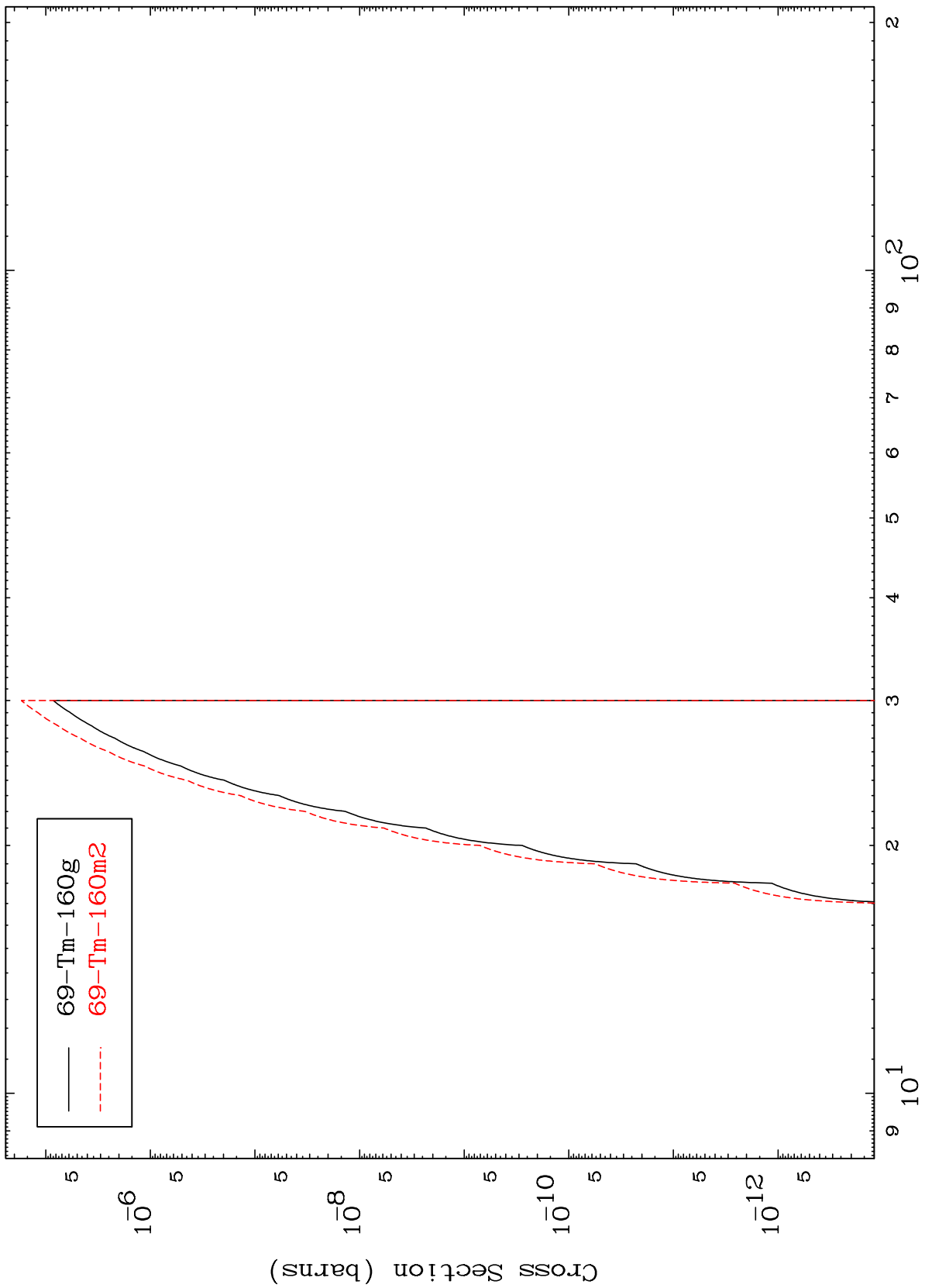
69-Tm-162g
69-Tm-162m4

MAT 7089

(n,p) t

71-Lu-163

Radionuclide Production Cross Section



123

Incident Energy (MeV)

71-Lu-163