

Program EVALPLOT
(Version 2018-1)

by

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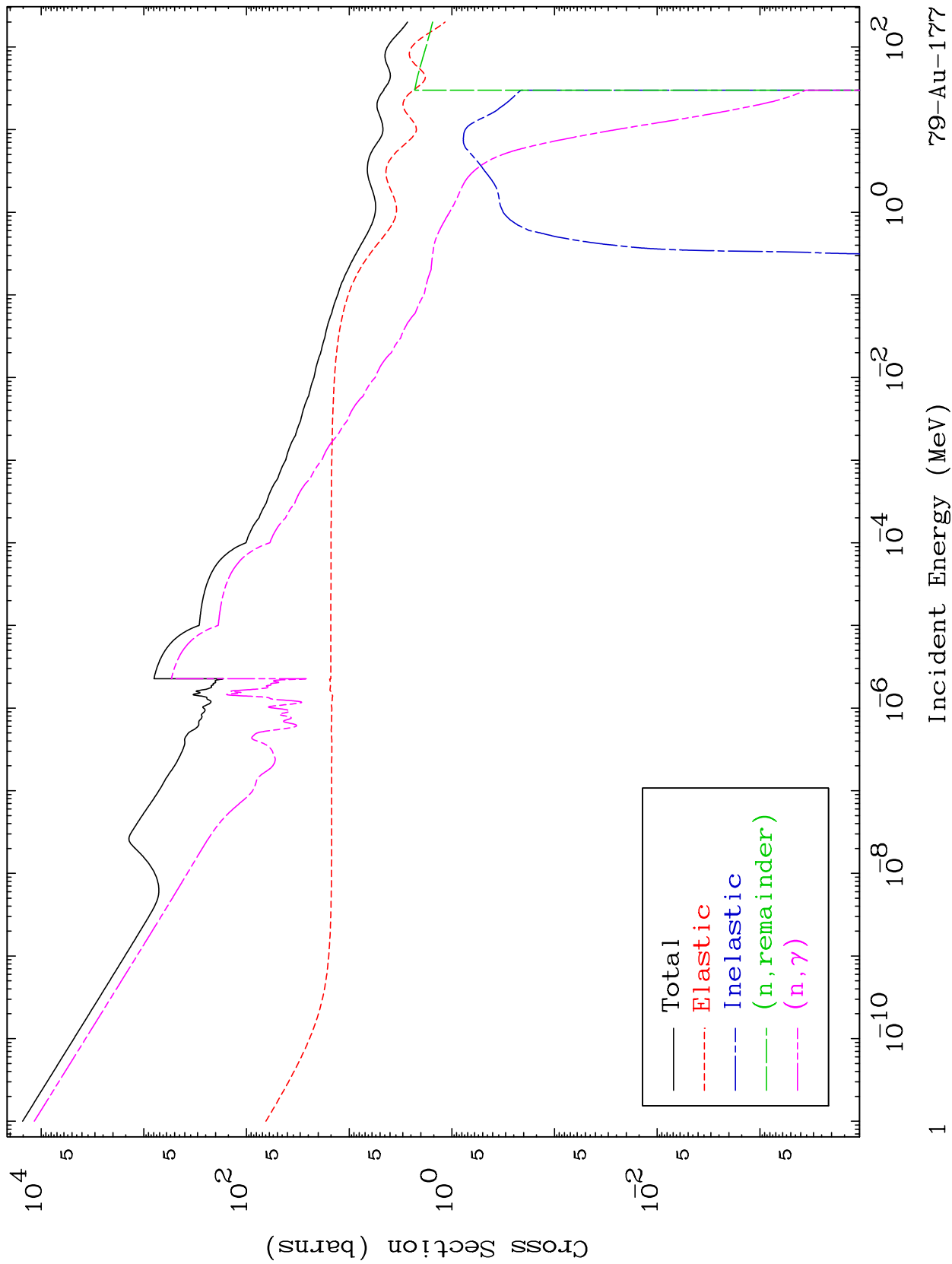
Press Mouse Button to Start

MAT 7865

Major

293 Kelvin Cross Sections

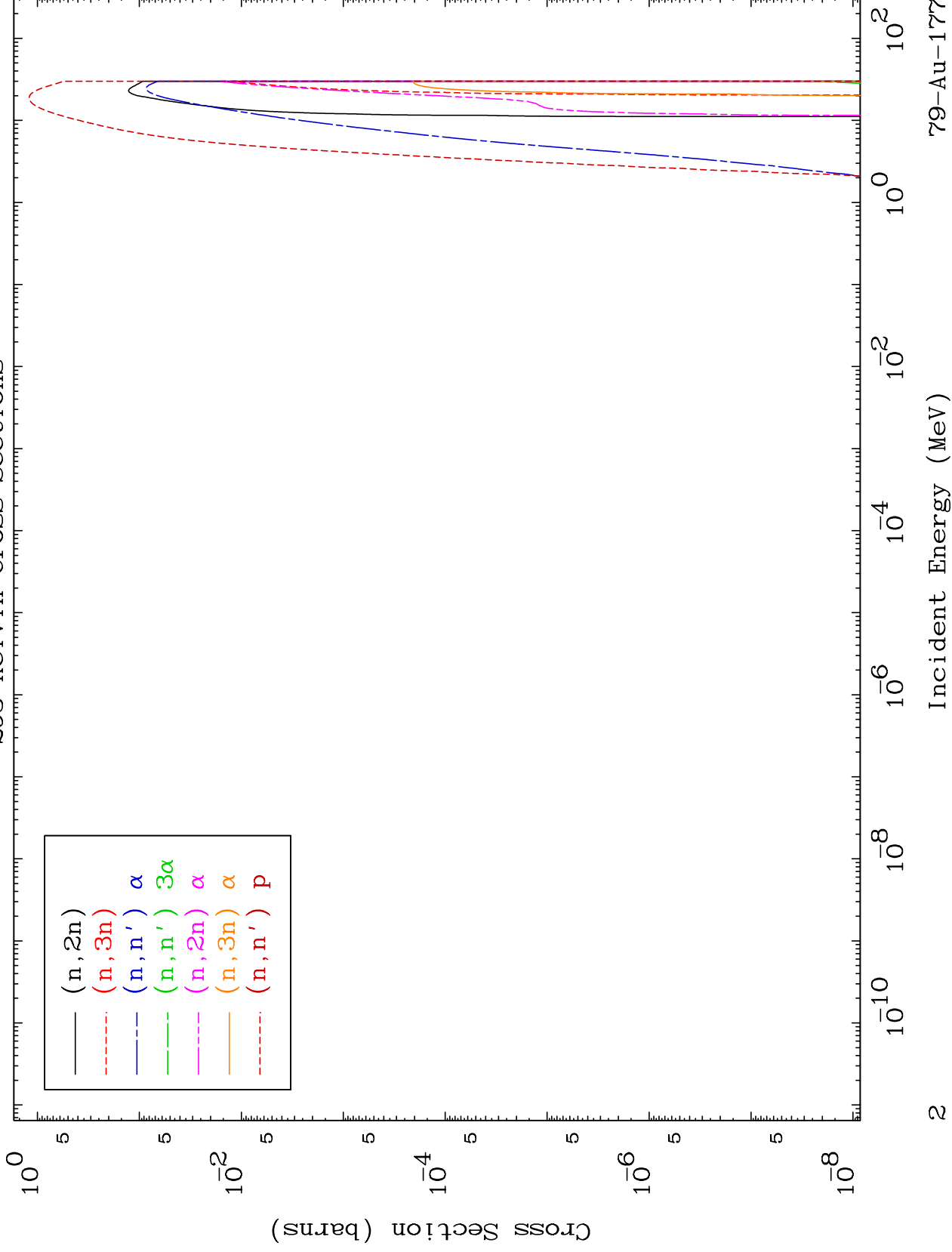
79-Au-177



MAT 7865

Neutron Production
293 Kelvin Cross Sections

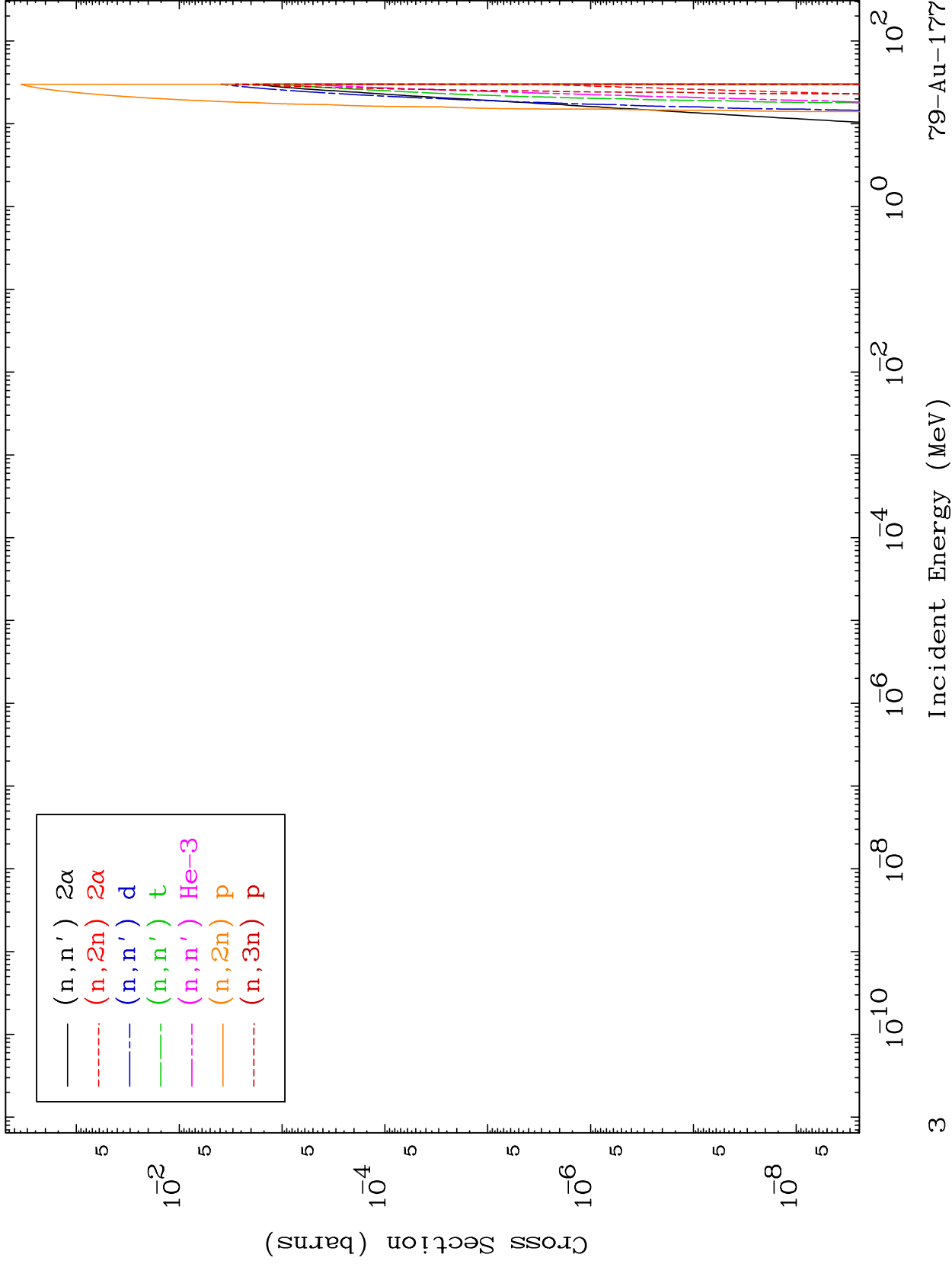
79-Au-177



MAT 7865

Neutron Production
293 Kelvin Cross Sections

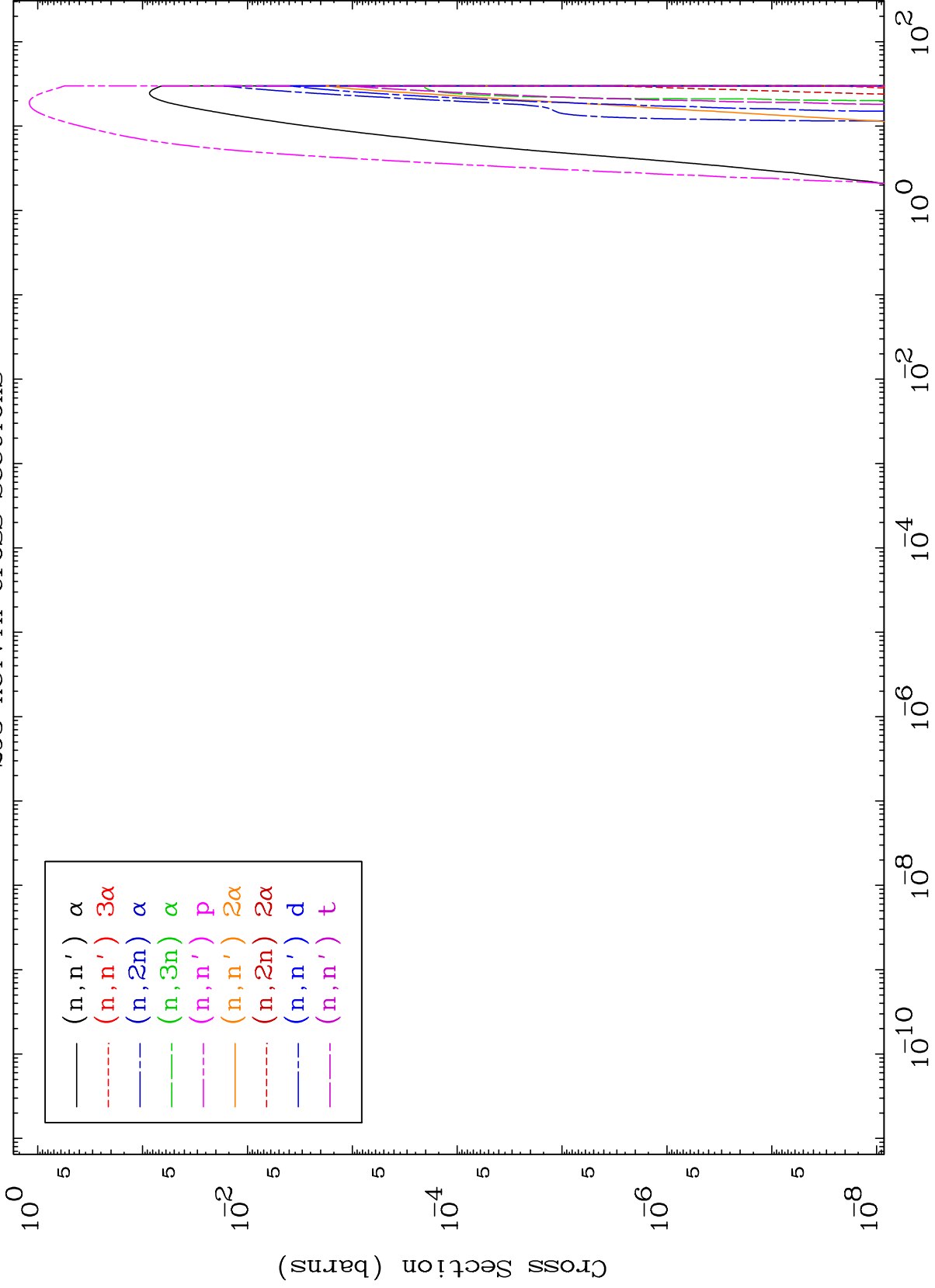
79-Au-177



MAT 7865

Charged Particle
293 Kelvin Cross Sections

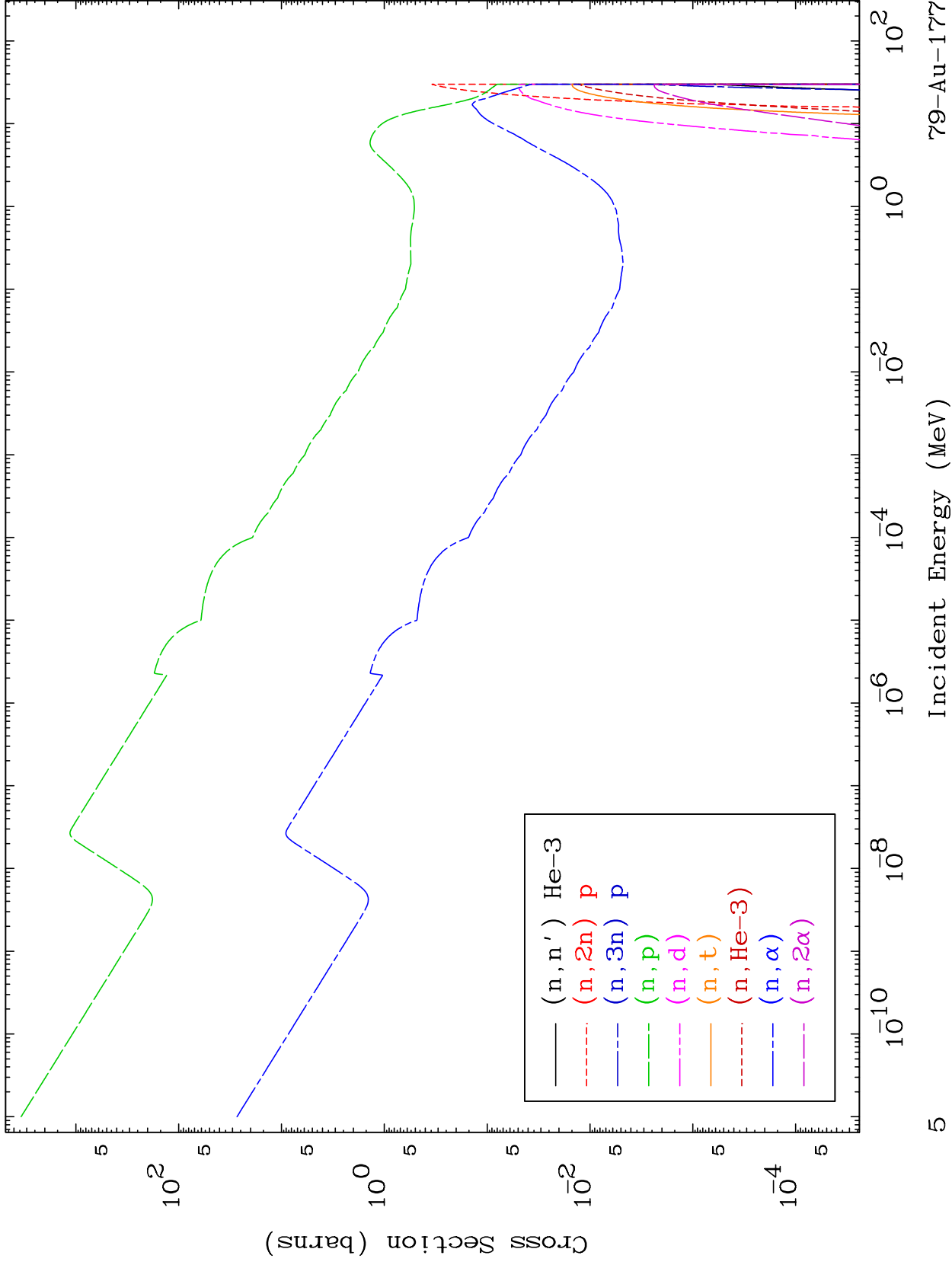
79-Au-177



MAT 7865

Charged Particle
293 Kelvin Cross Sections

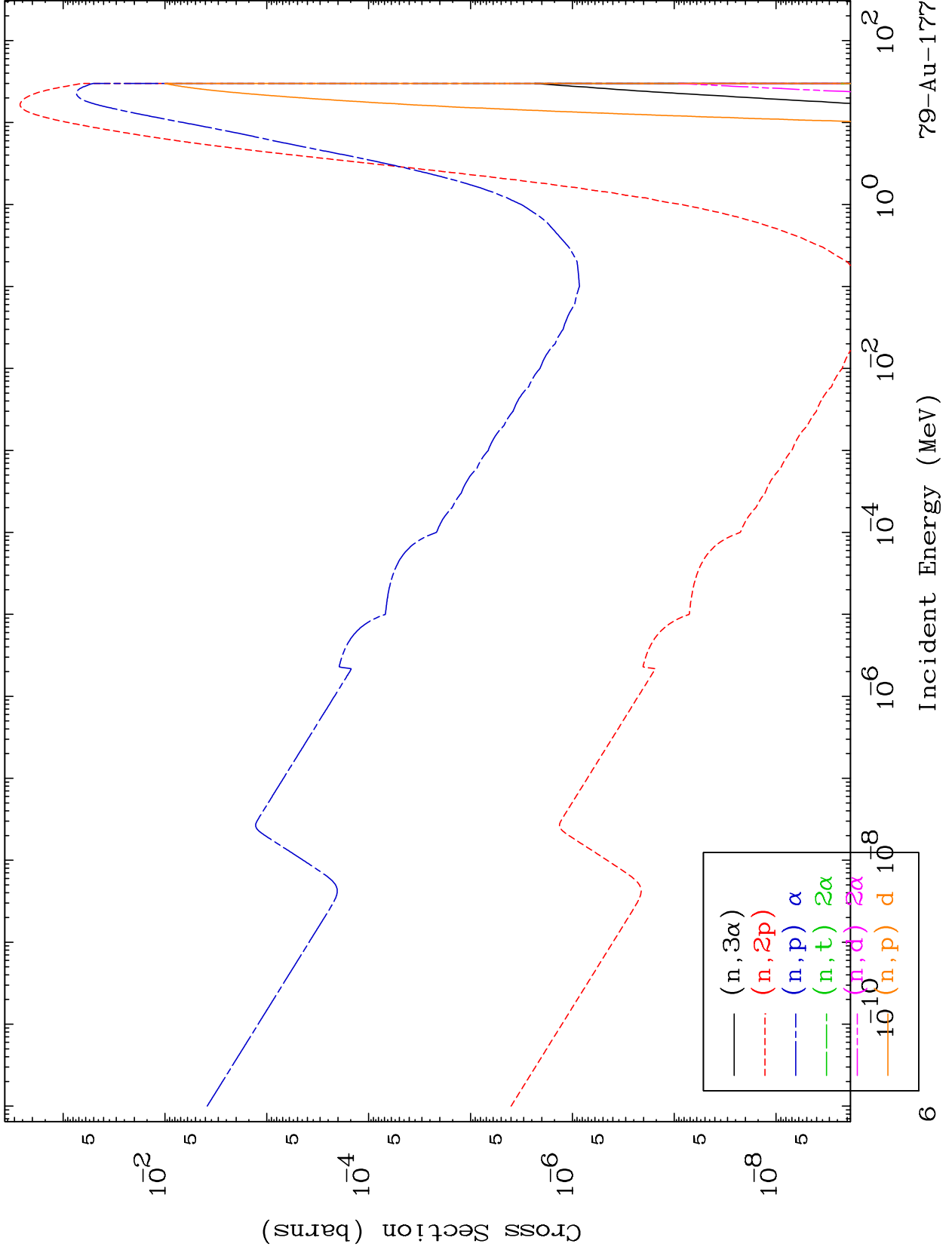
79-Au-177



MAT 7865

Charged Particle
293 Kelvin Cross Sections

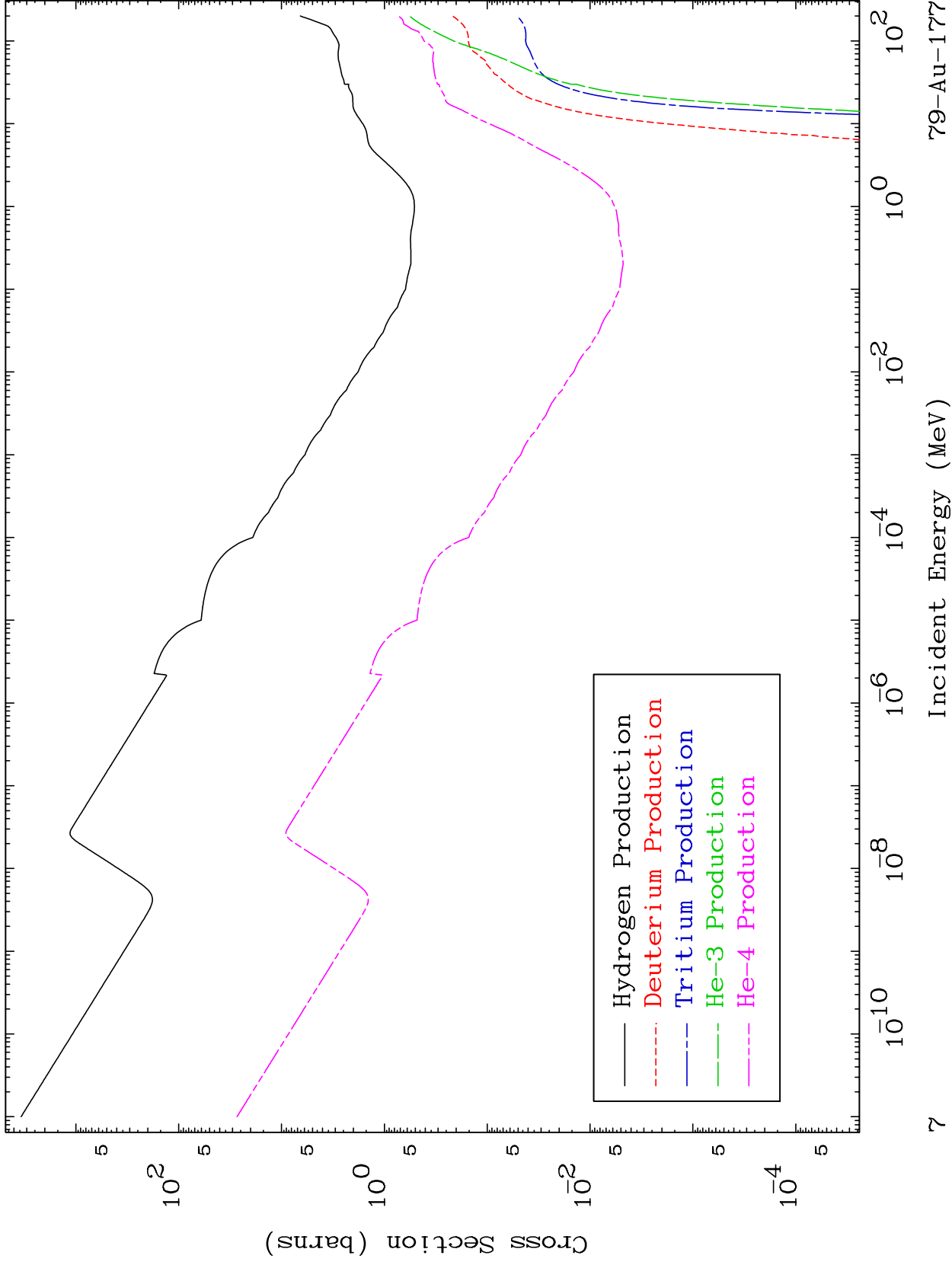
79-Au-177



MAT 7865

Particle Production
293 Kelvin Cross Sections

79-Au-177

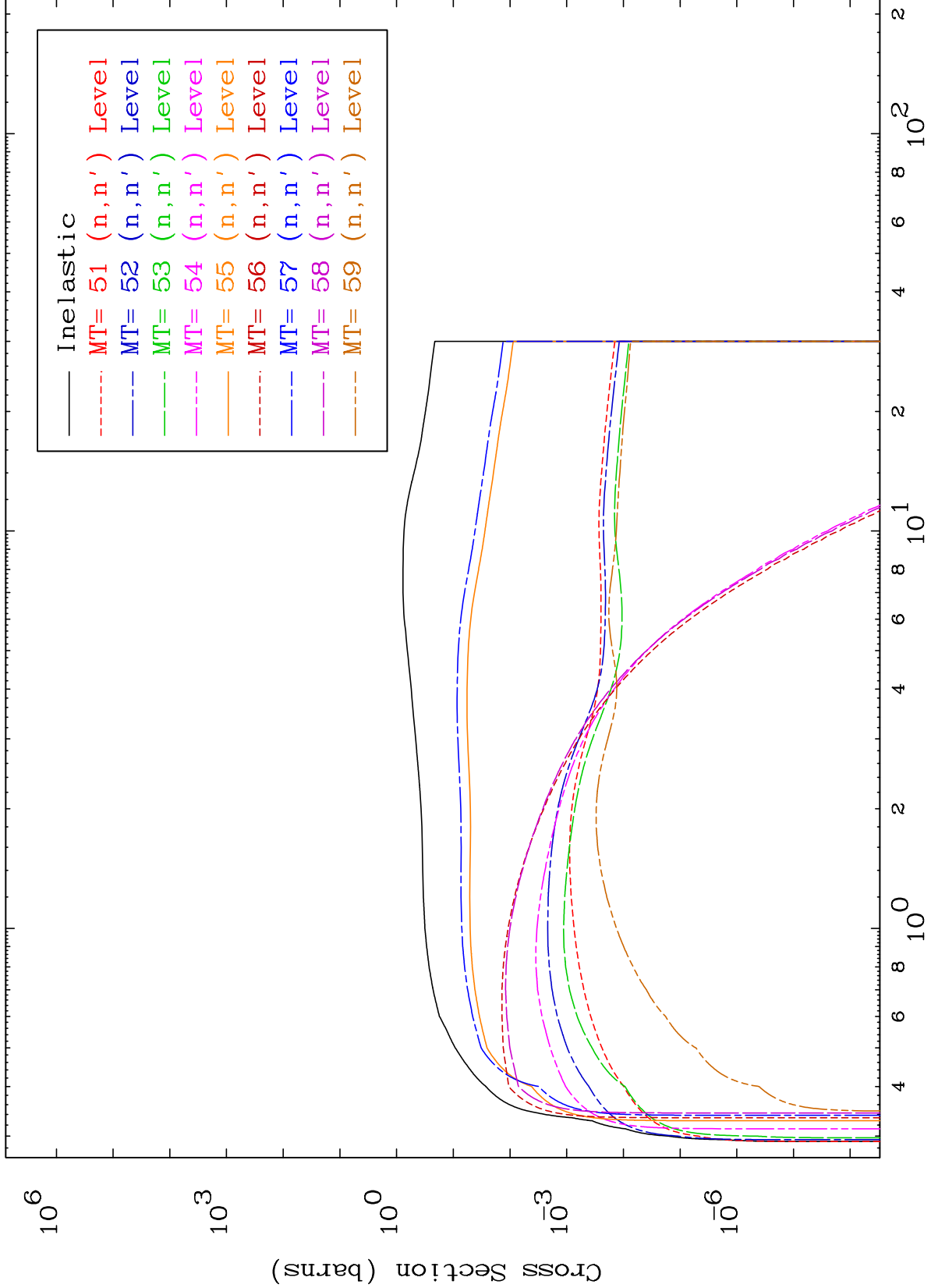


MAT 7865

(n,n') Level

79-Au-177

293 Kelvin Cross Sections



8

Incident Energy (MeV)

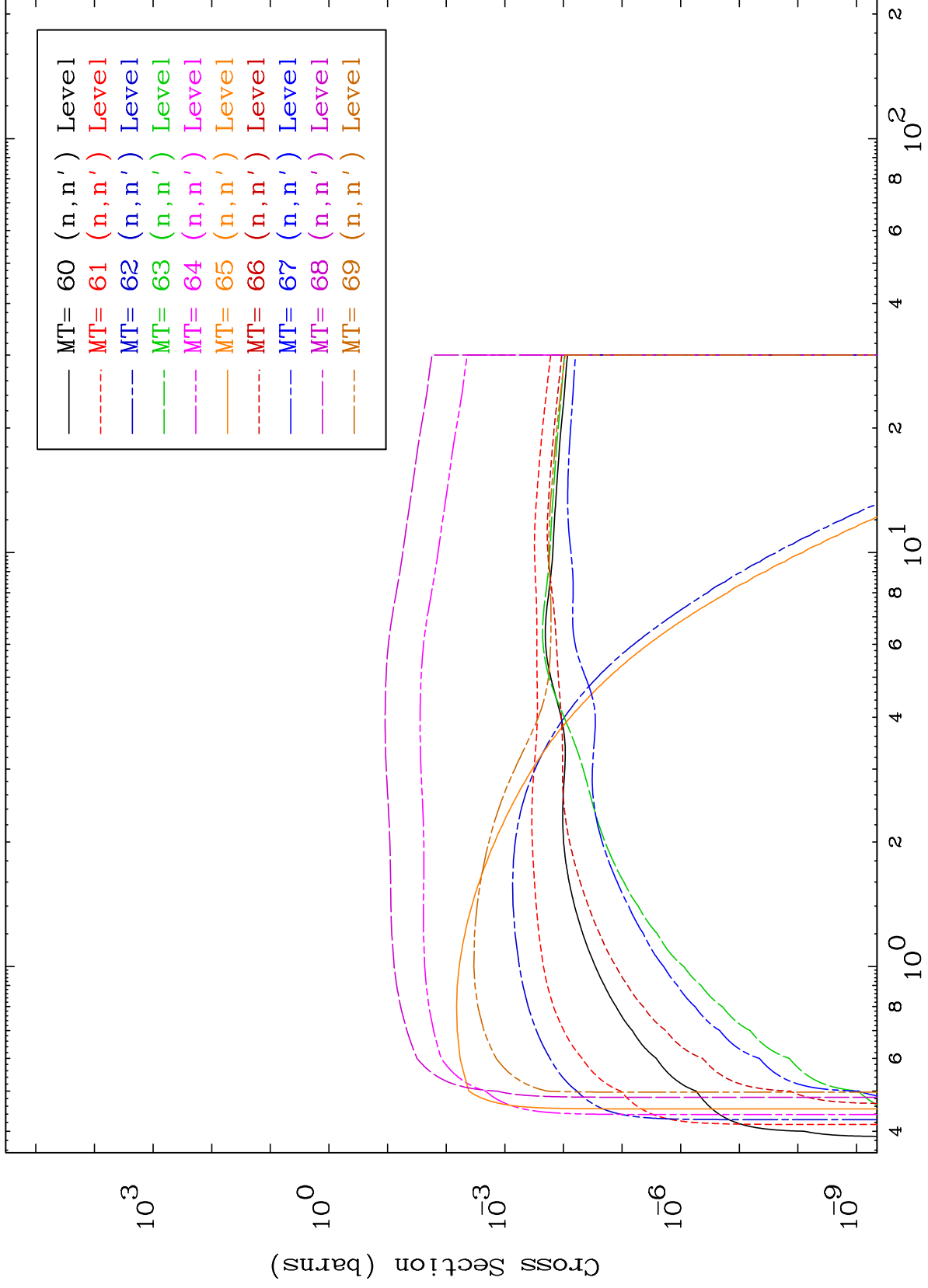
79-Au-177

MAT 7865

(n,n') Level

79-Au-177

293 Kelvin Cross Sections



9

Incident Energy (MeV)

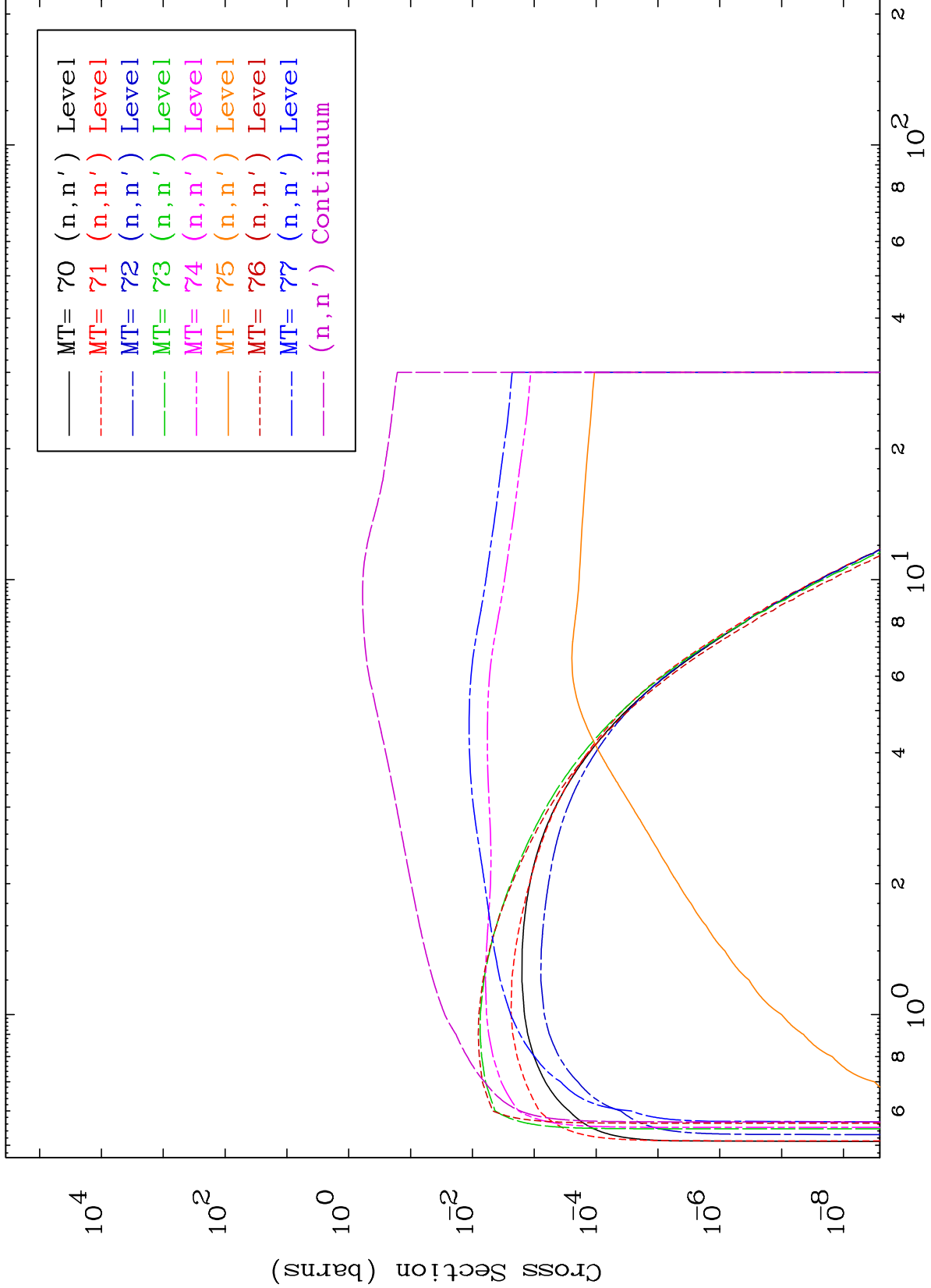
79-Au-177

MAT 7865

(n,n') Level

79-Au-177

293 Kelvin Cross Sections



10

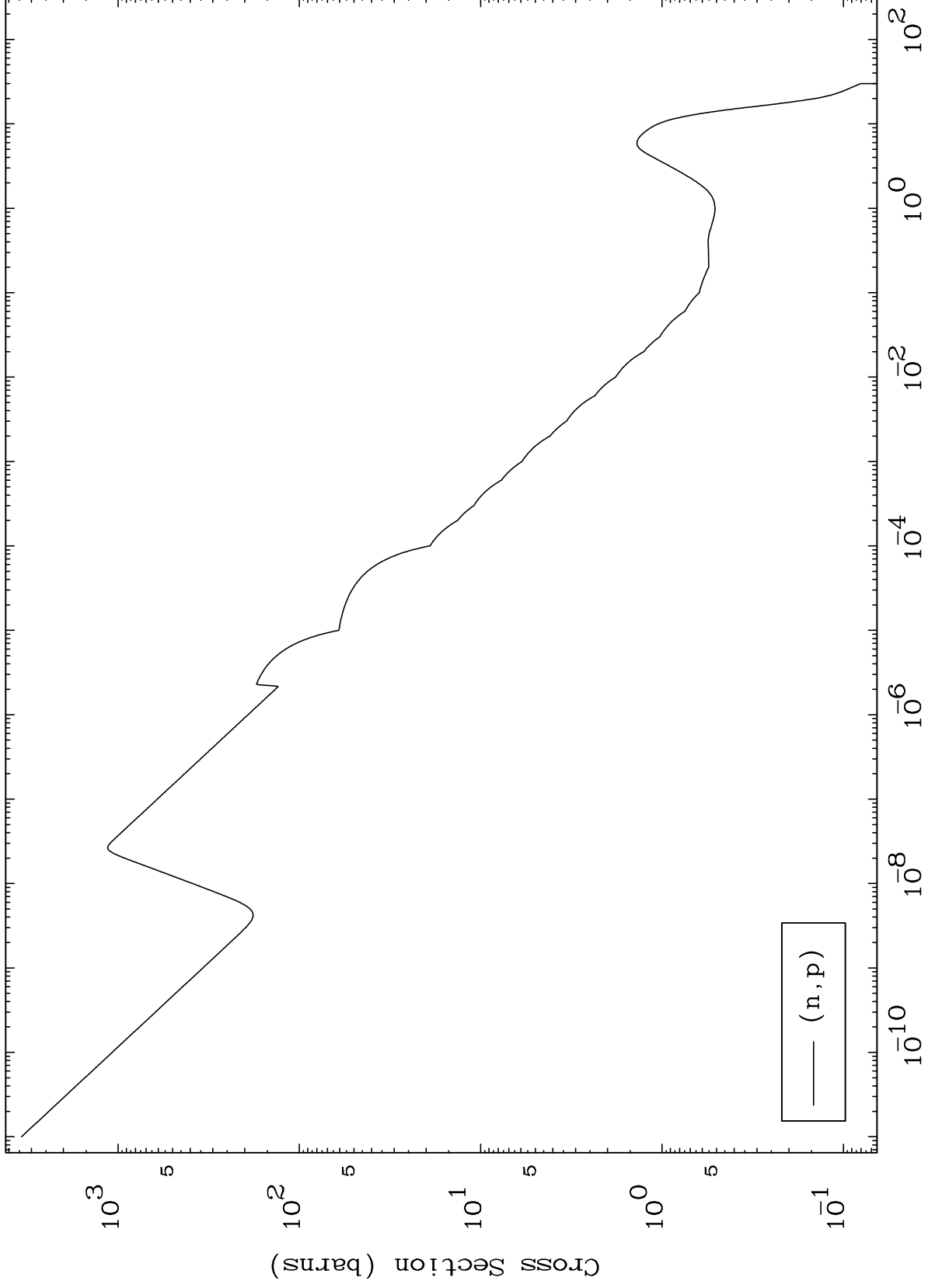
Incident Energy (MeV)

79-Au-177

MAT 7865

(n,p) Levels
293 Kelvin Cross Sections

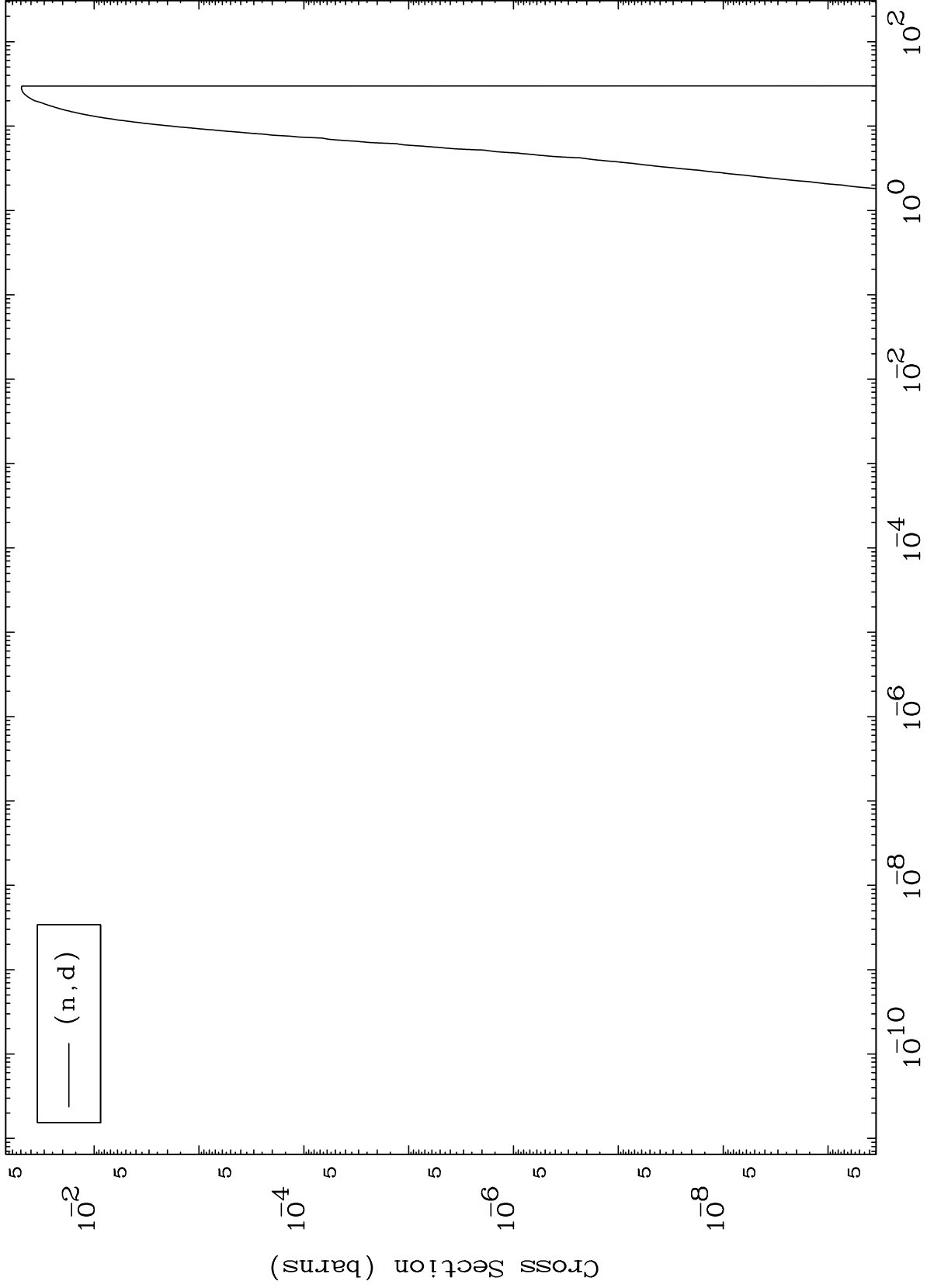
79-Au-177



MAT 7865

(n,d) Levels
293 Kelvin Cross Sections

79-Au-177



12

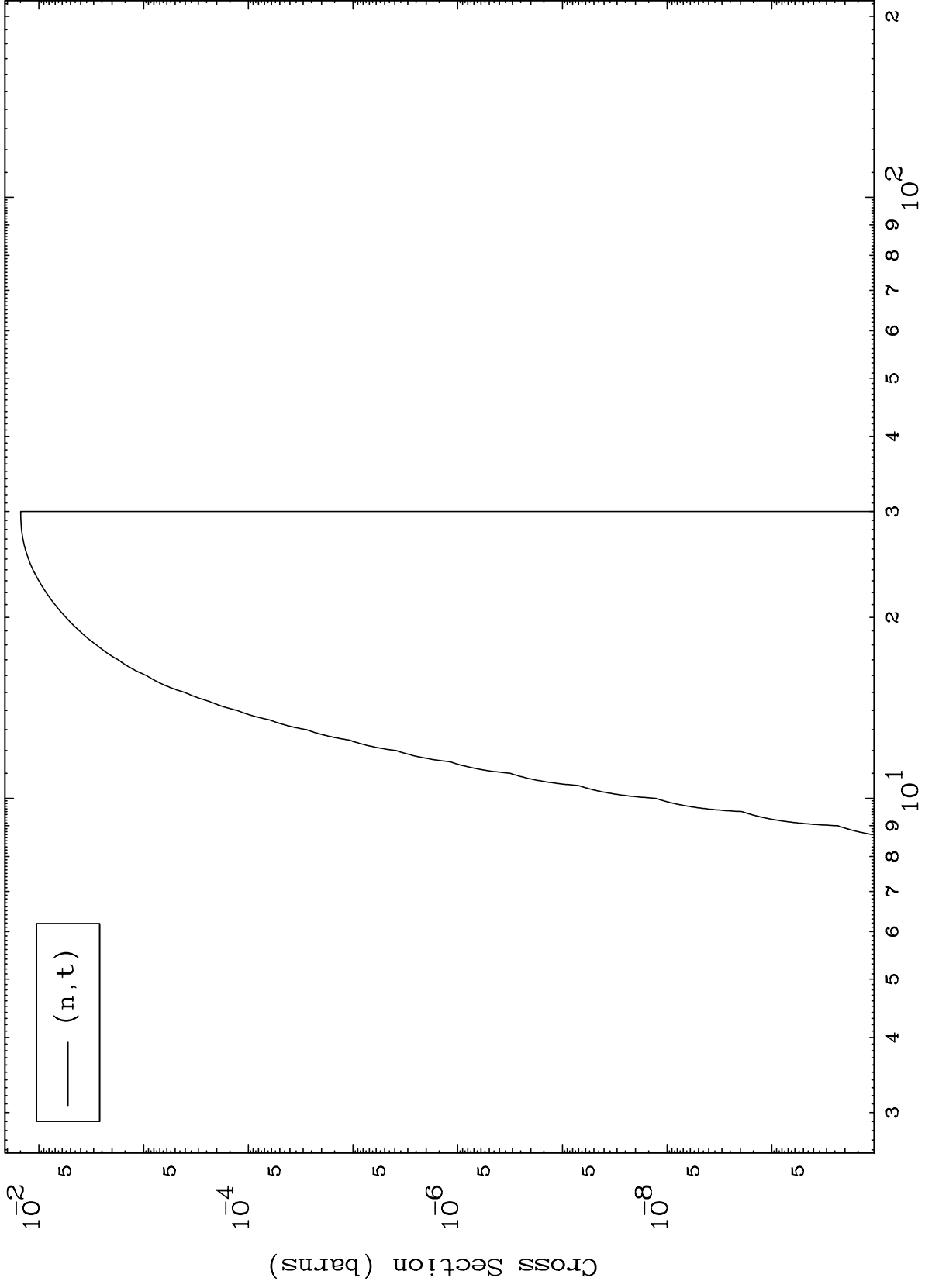
Incident Energy (MeV)

79-Au-177

MAT 7865

(n,t) Levels
293 Kelvin Cross Sections

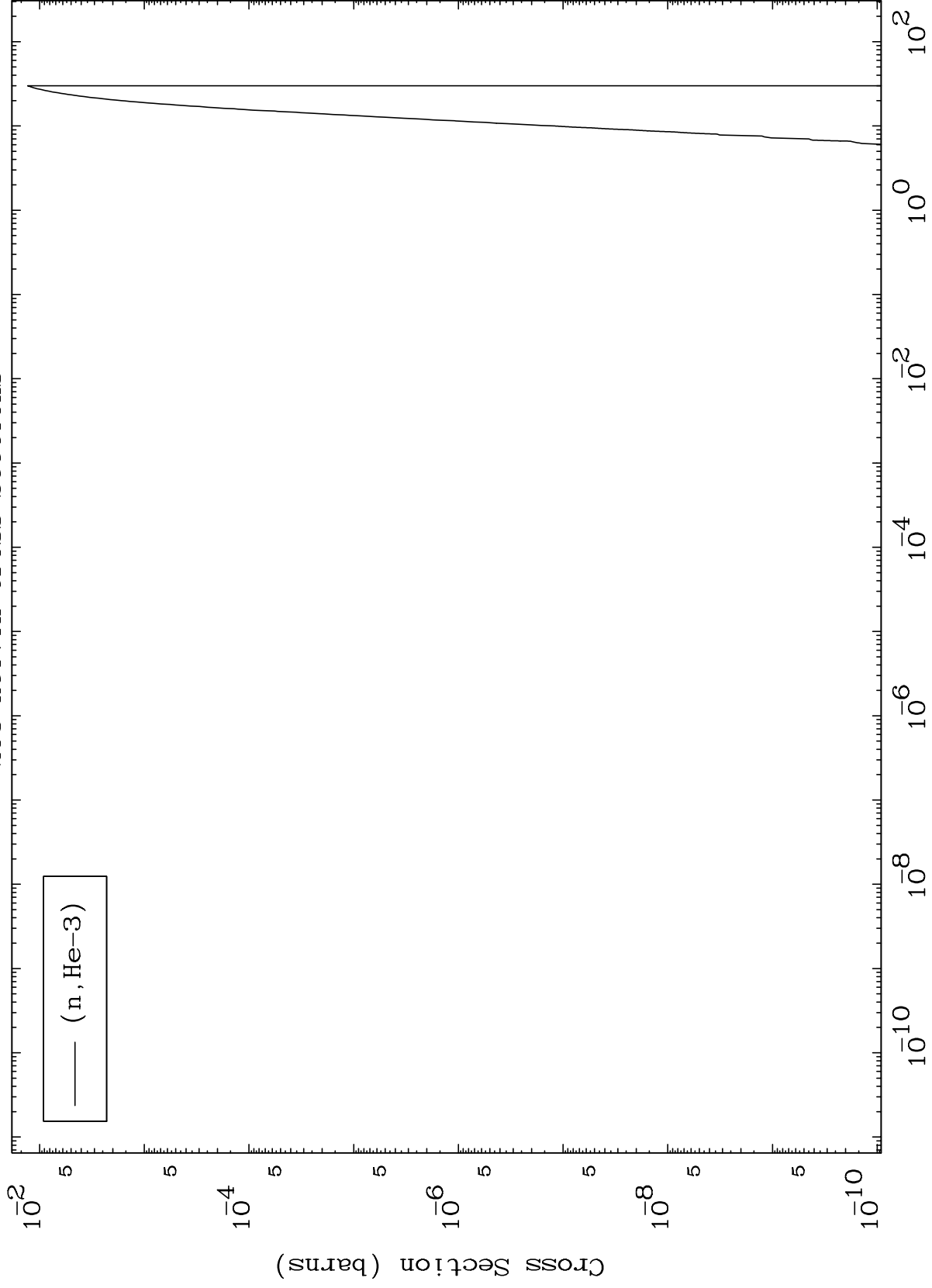
79-Au-177



MAT 7865

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-177

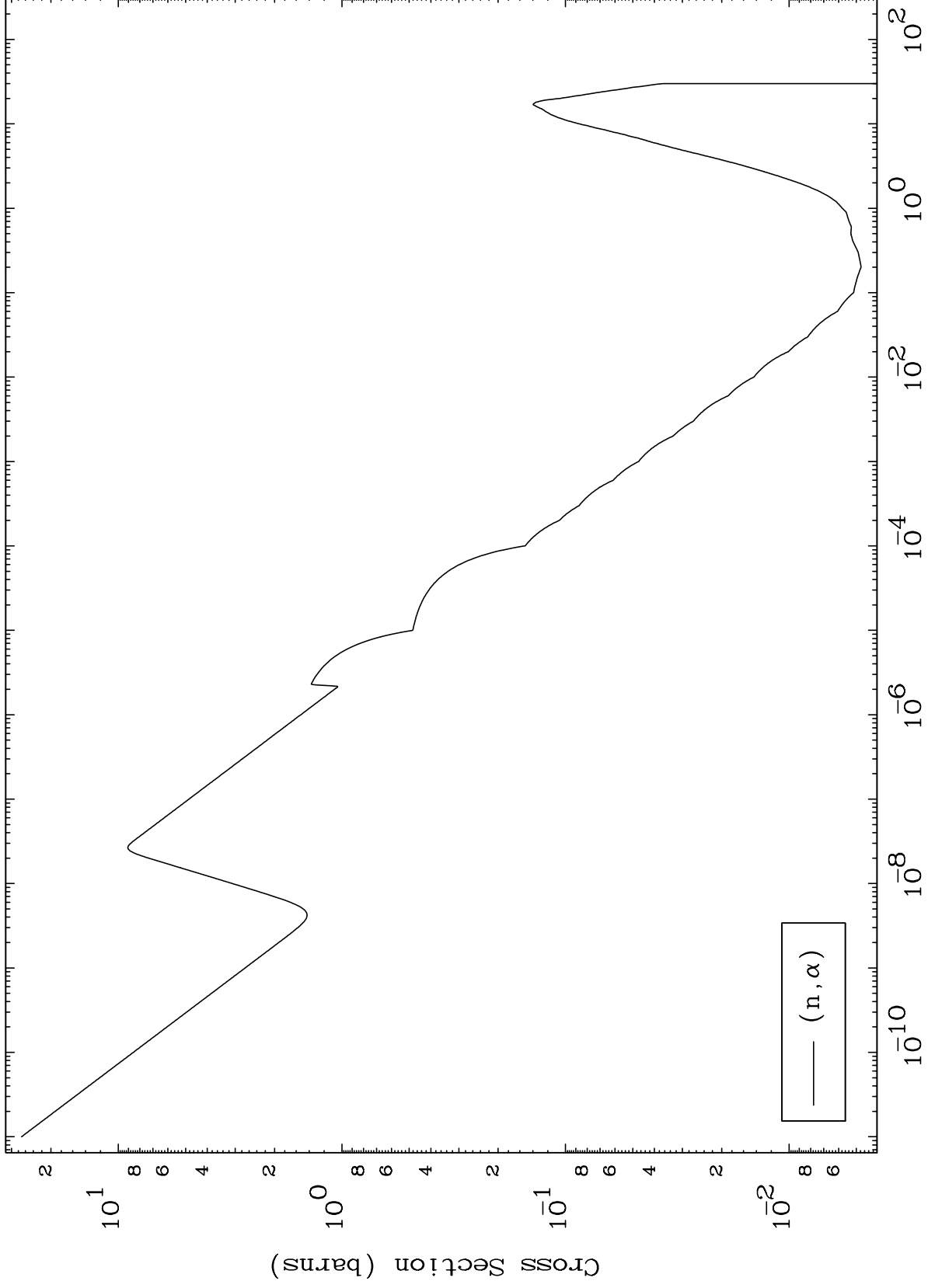


(n, He-3)

MAT 7865

(n,α) Levels
293 Kelvin Cross Sections

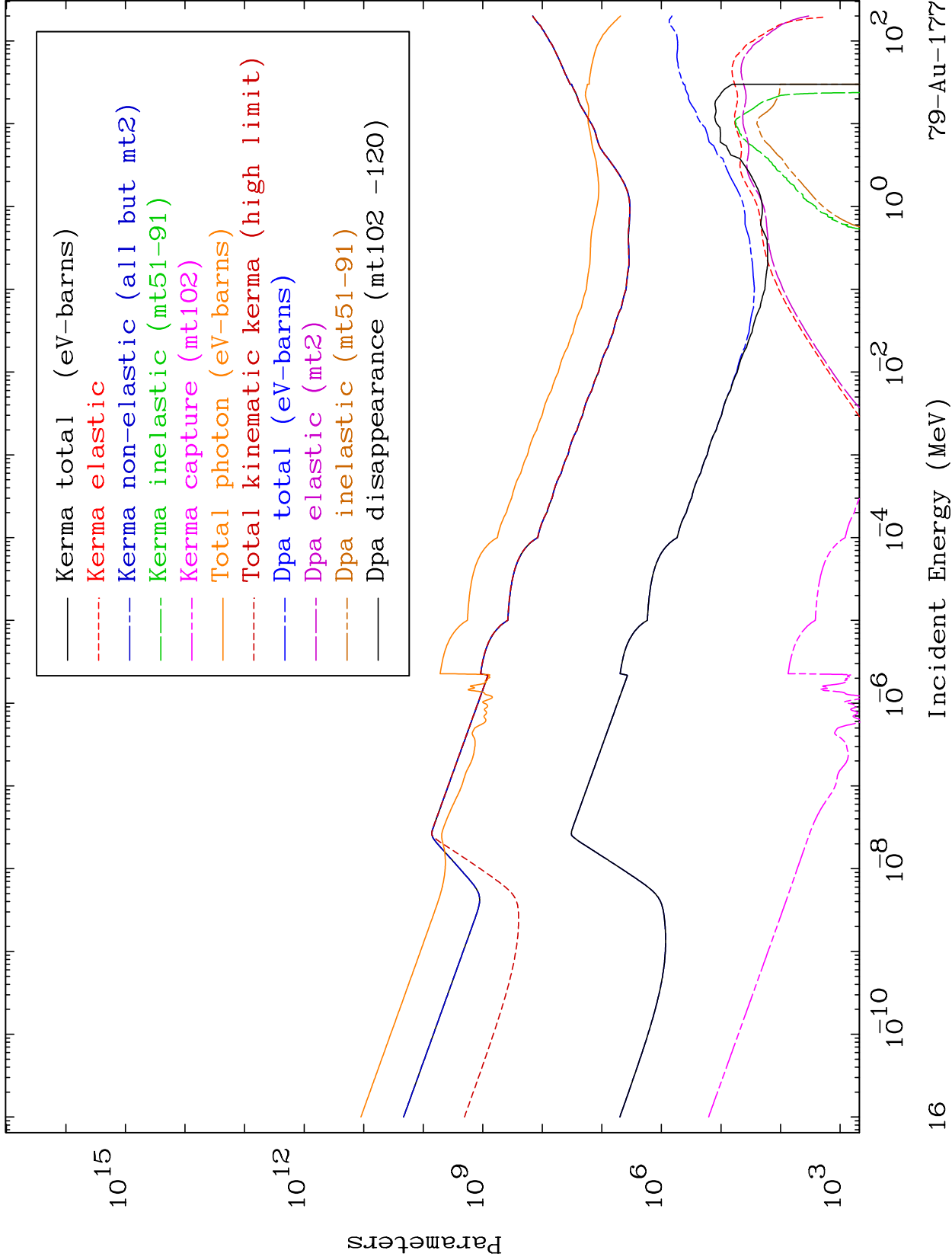
79-Au-177



15

Incident Energy (MeV)

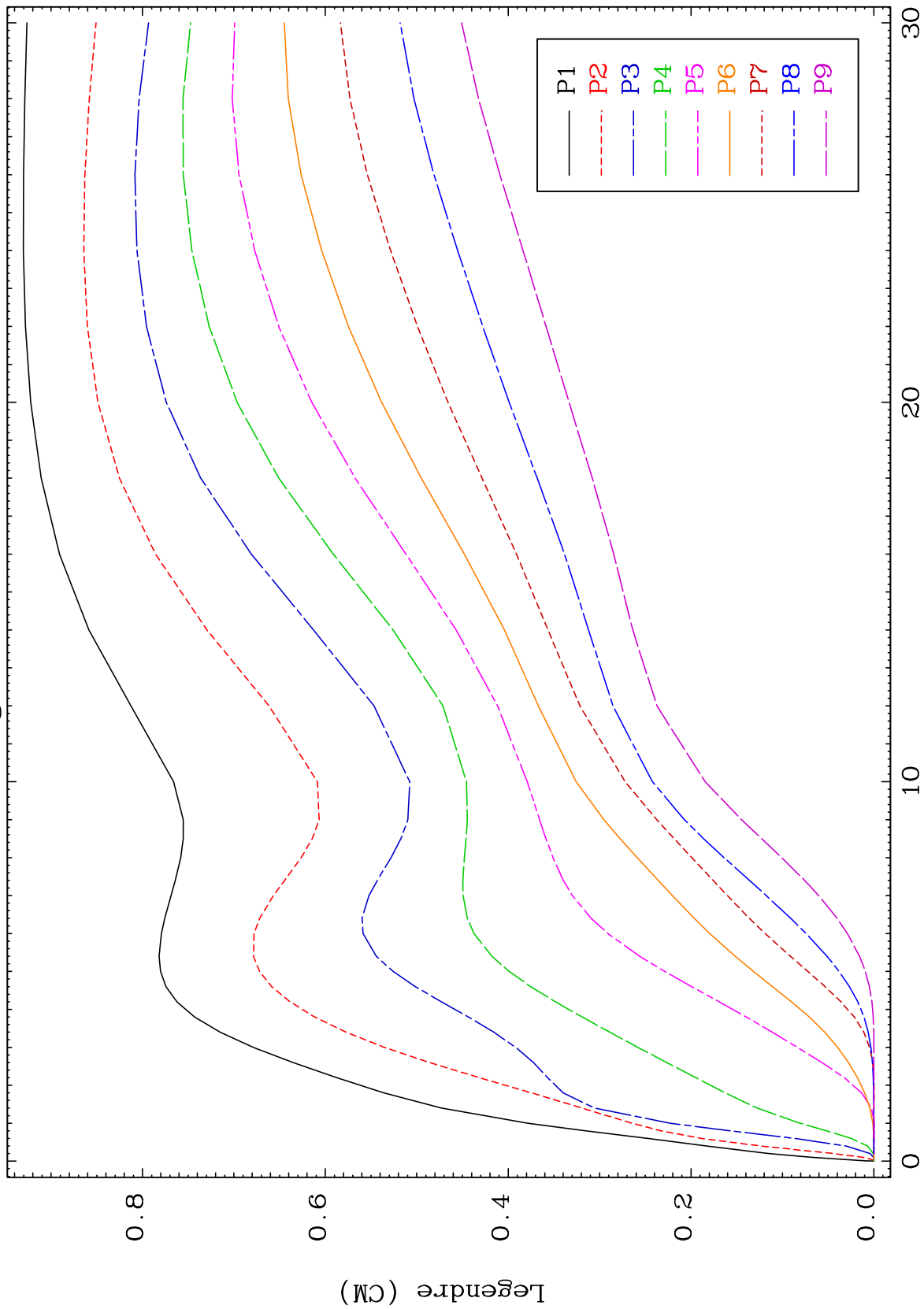
79-Au-177



MAT 7865

Elastic Legendre Coefficients

79-Au-177



17

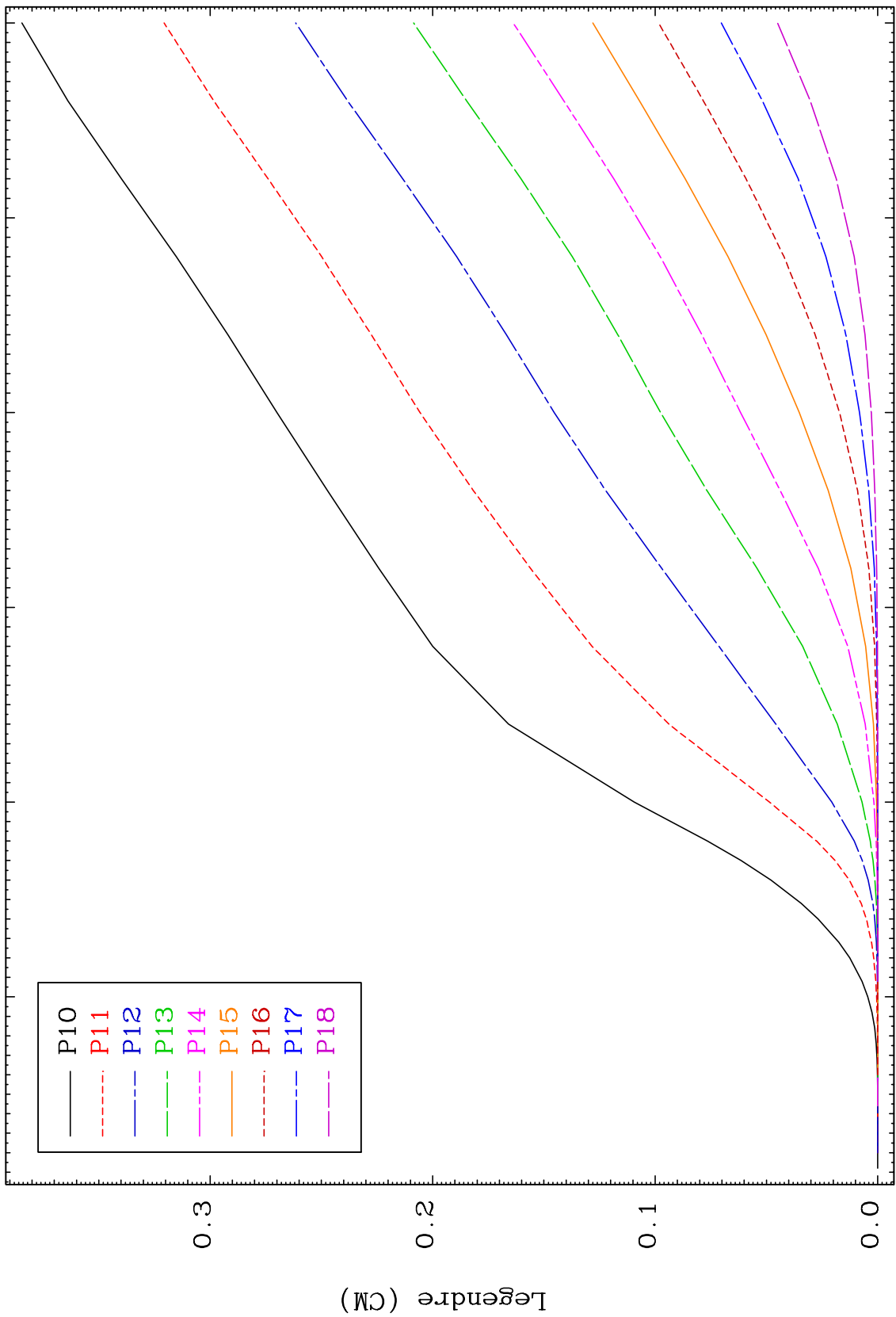
Incident Energy (MeV)

79-Au-177

MAT 7865

Elastic Legendre Coefficients

⁷⁹Au-177



18

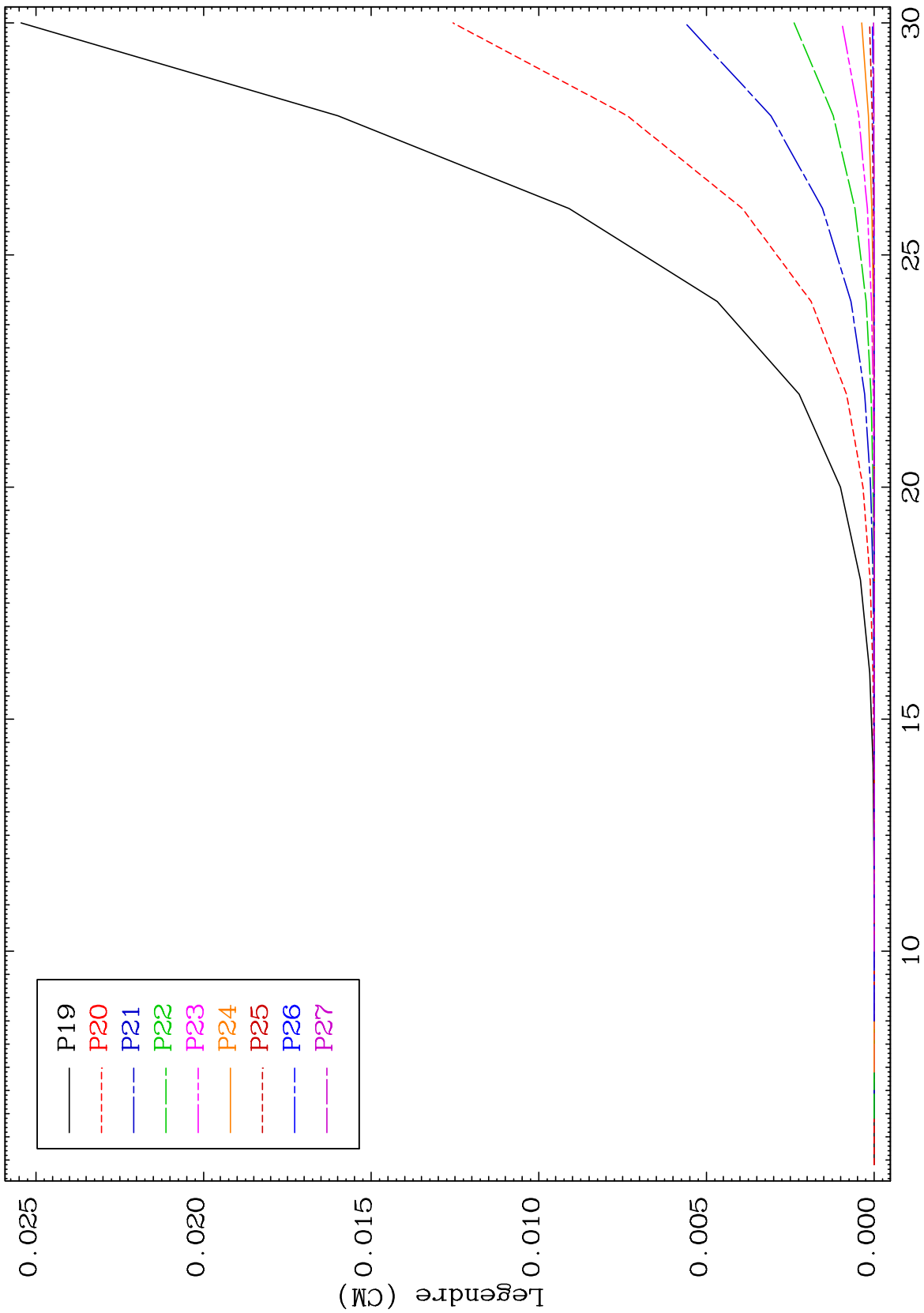
Incident Energy (MeV)

⁷⁹Au-177

MAT 7865

Elastic Legendre Coefficients

79-Au-177



19

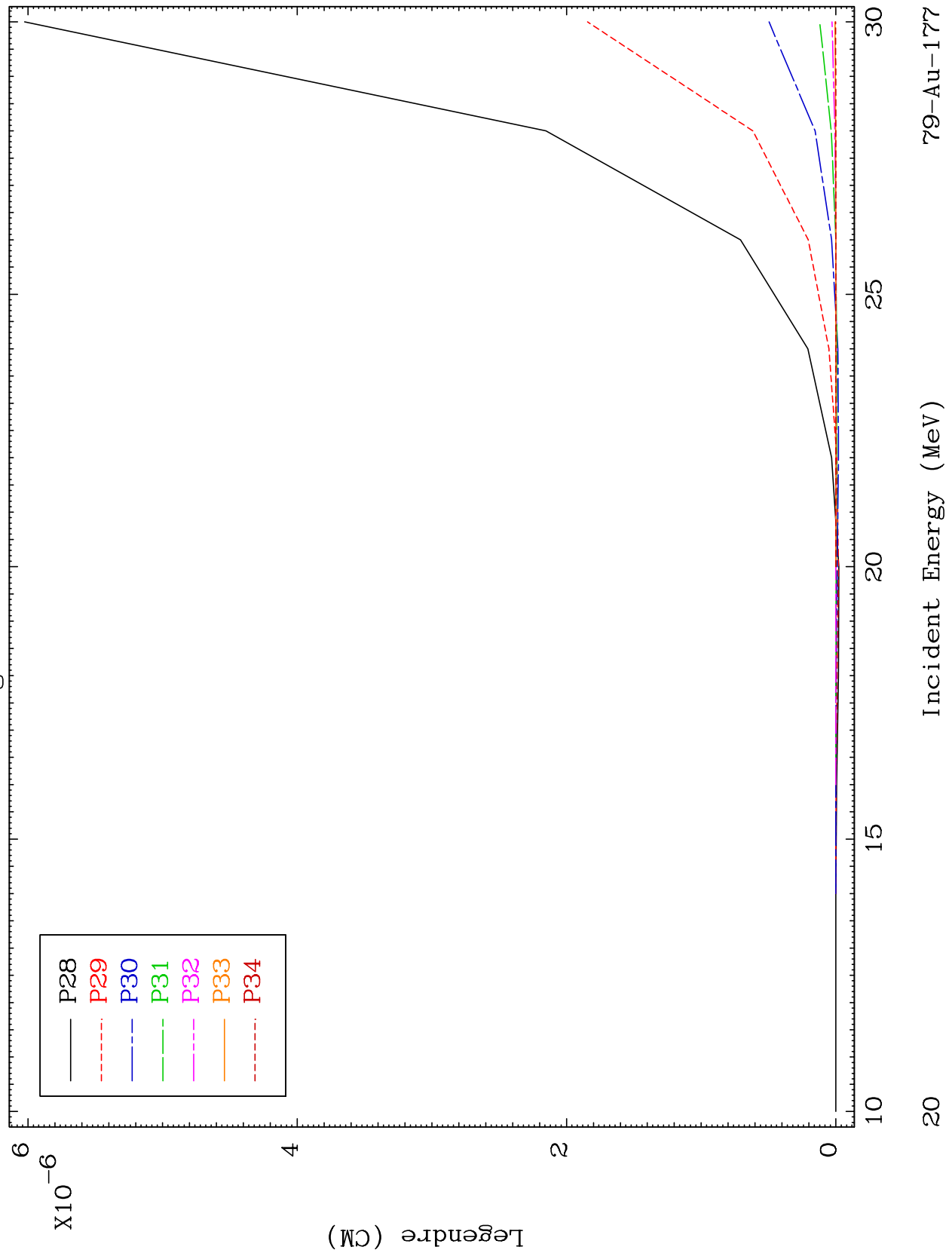
Incident Energy (MeV)

79-Au-177

MAT 7865

Elastic Legendre Coefficients

79-Au-177



79-Au-177

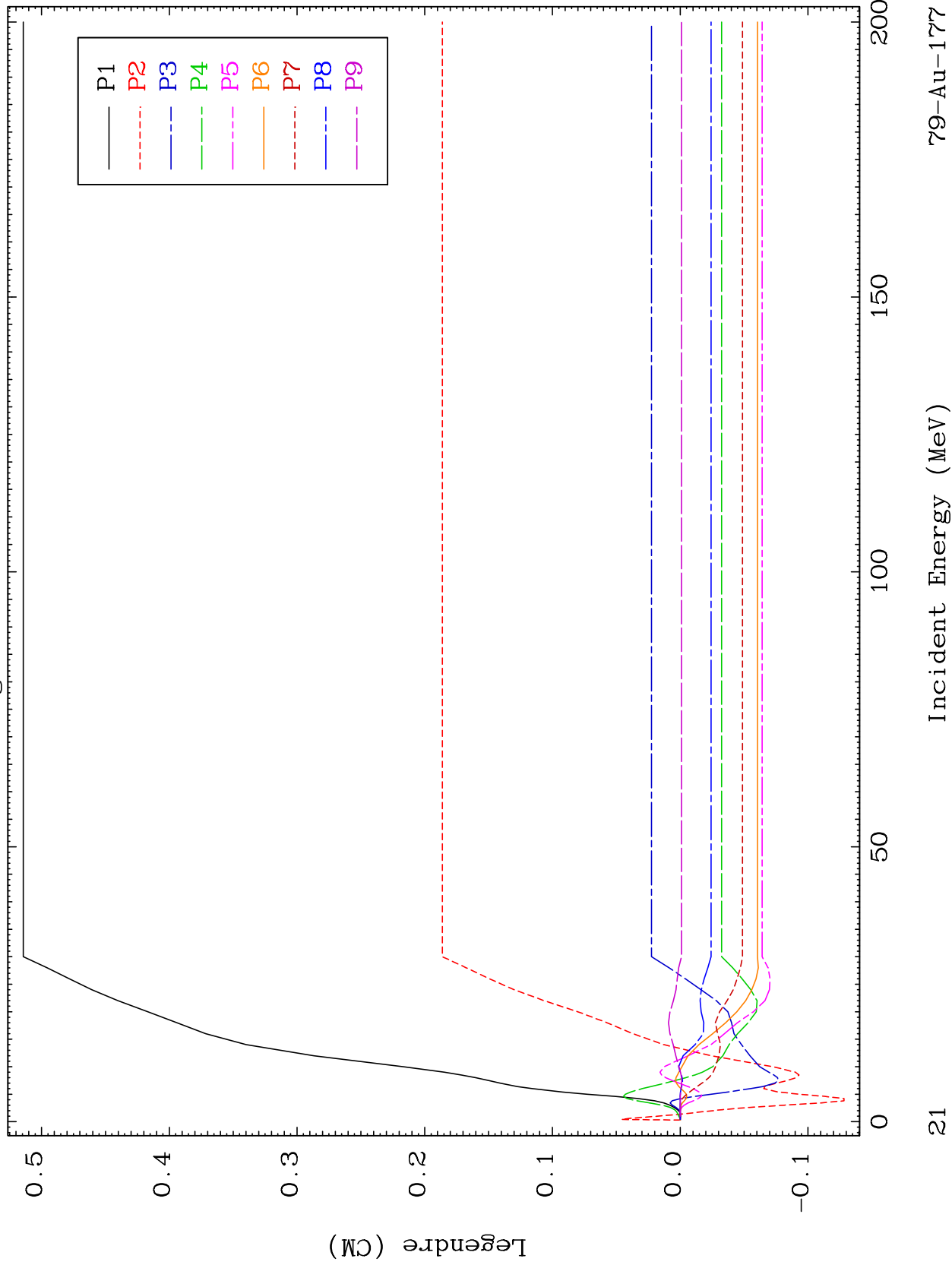
Incident Energy (MeV)

20

MAT 7865

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

79-Au-177



79-Au-177

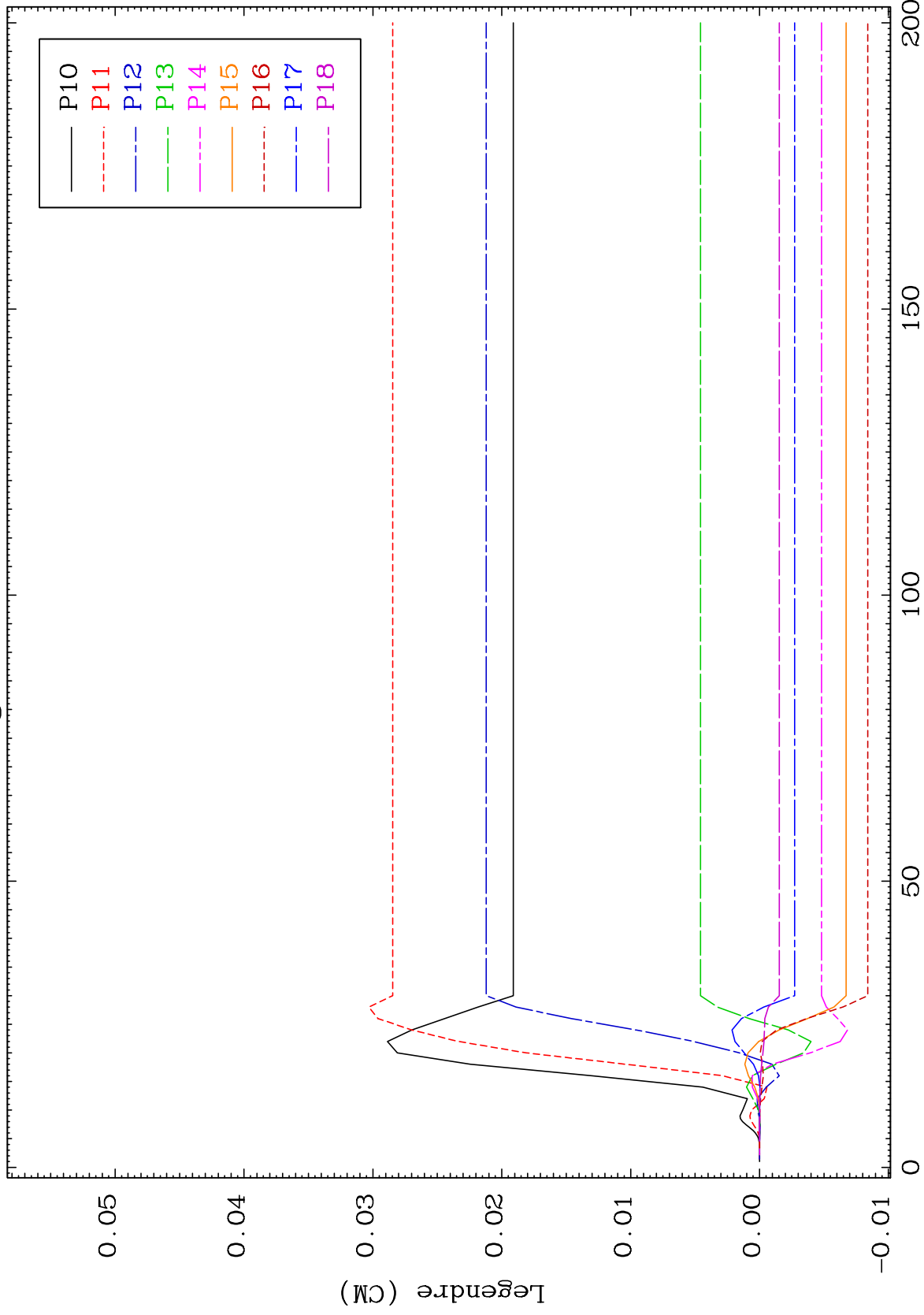
Incident Energy (MeV)

21

MAT 7865

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

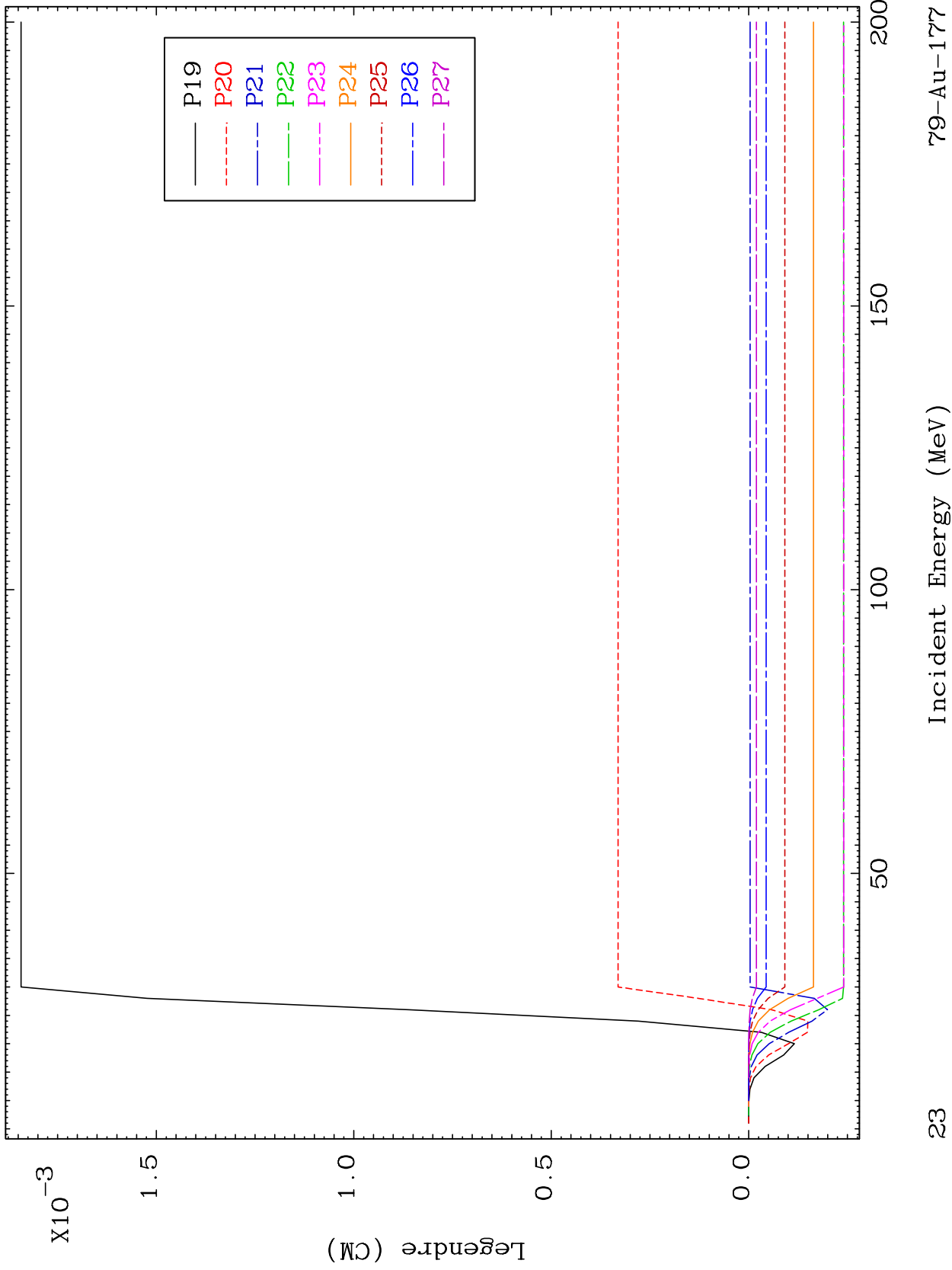
79-Au-177

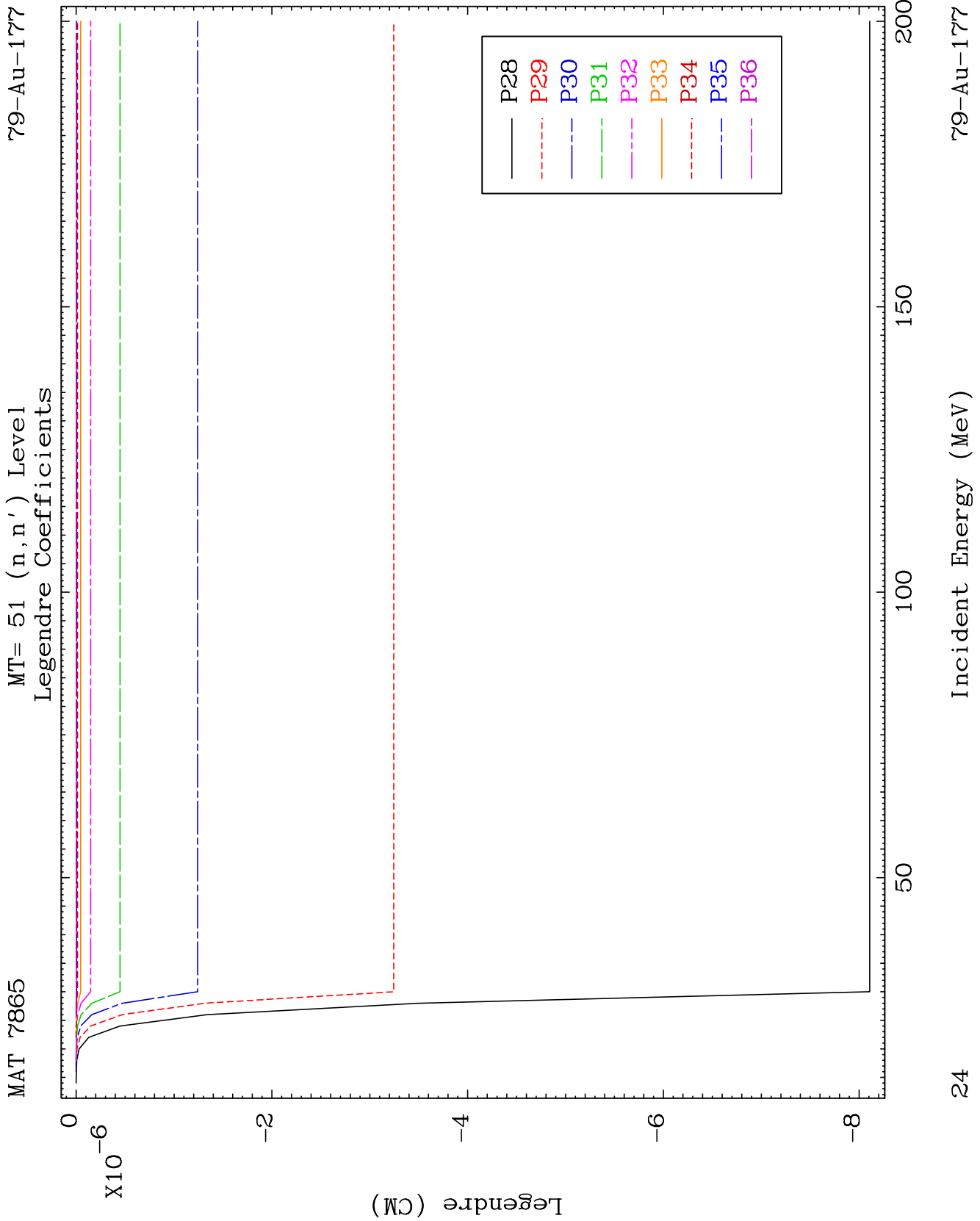


22

Incident Energy (MeV)

79-Au-177

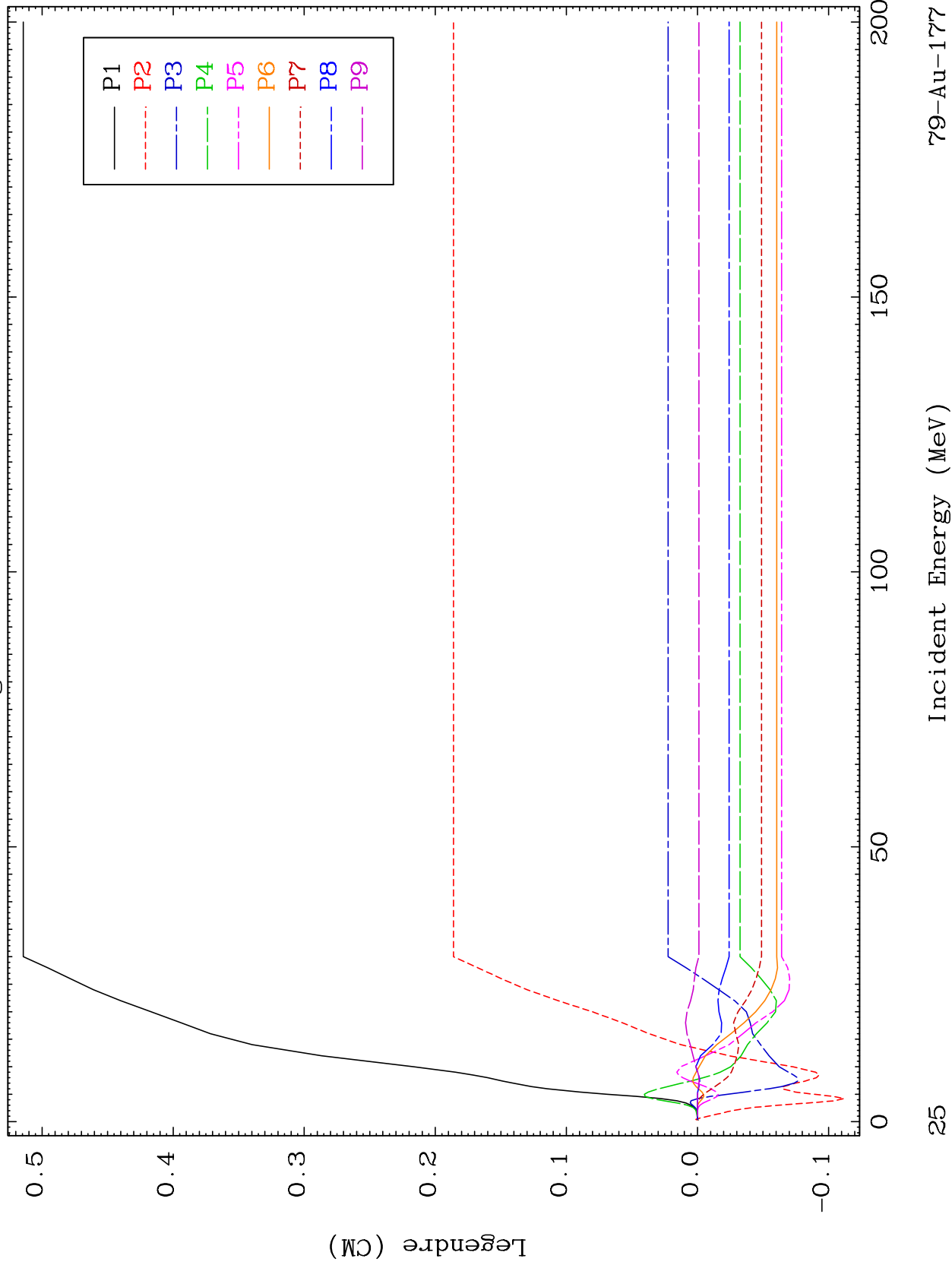




MAT 7865

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

79-Au-177



79-Au-177

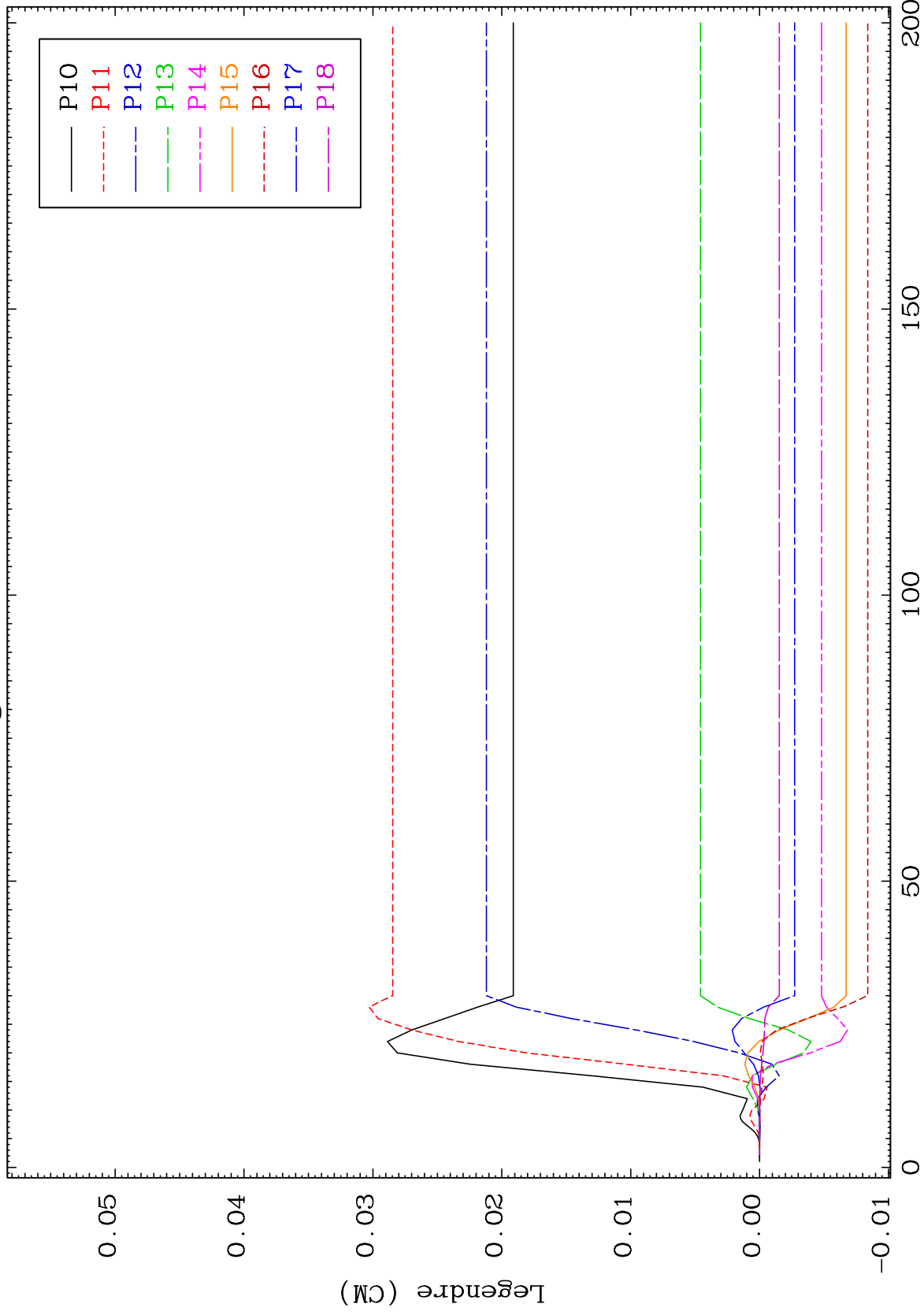
Incident Energy (MeV)

25

MAT 7865

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

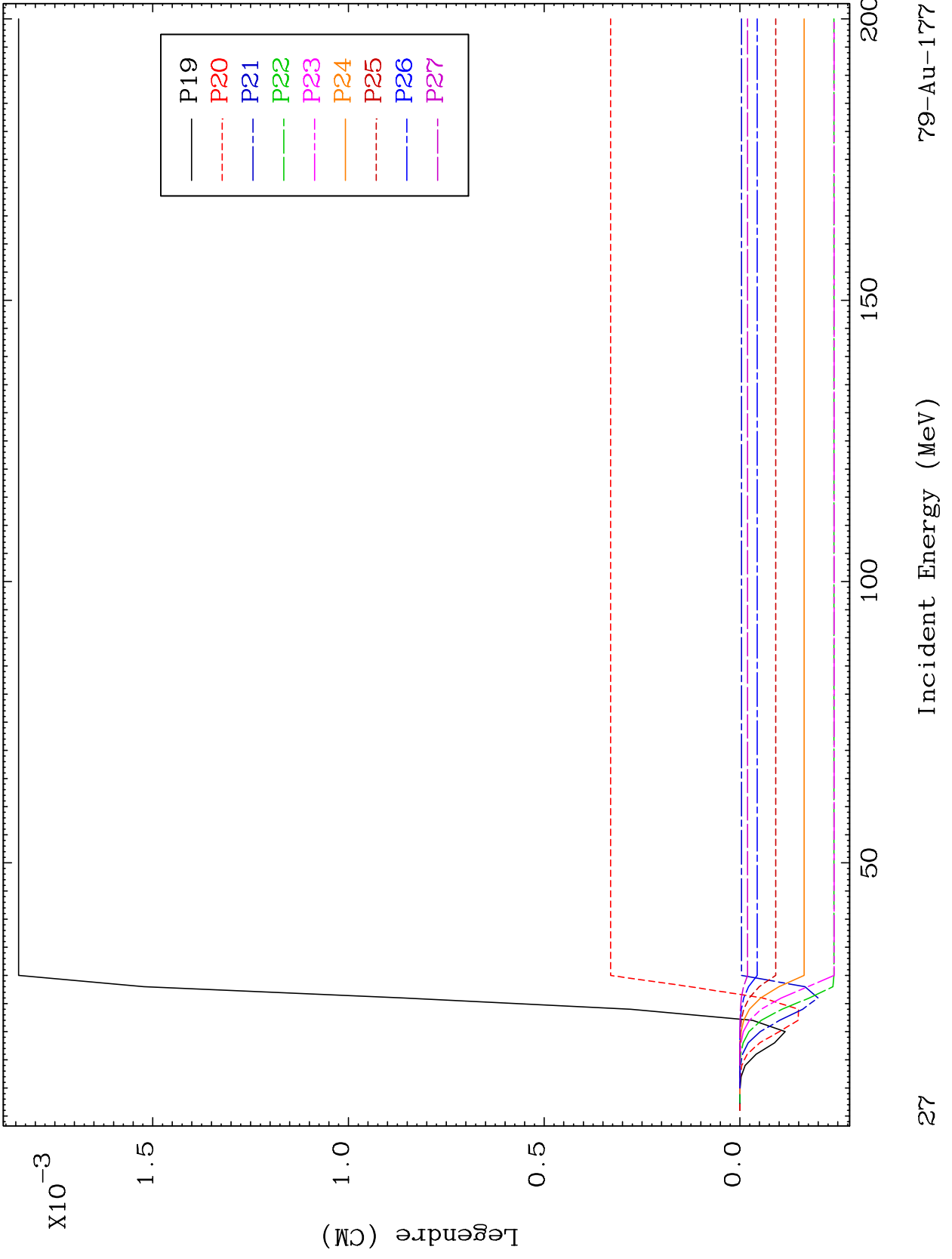
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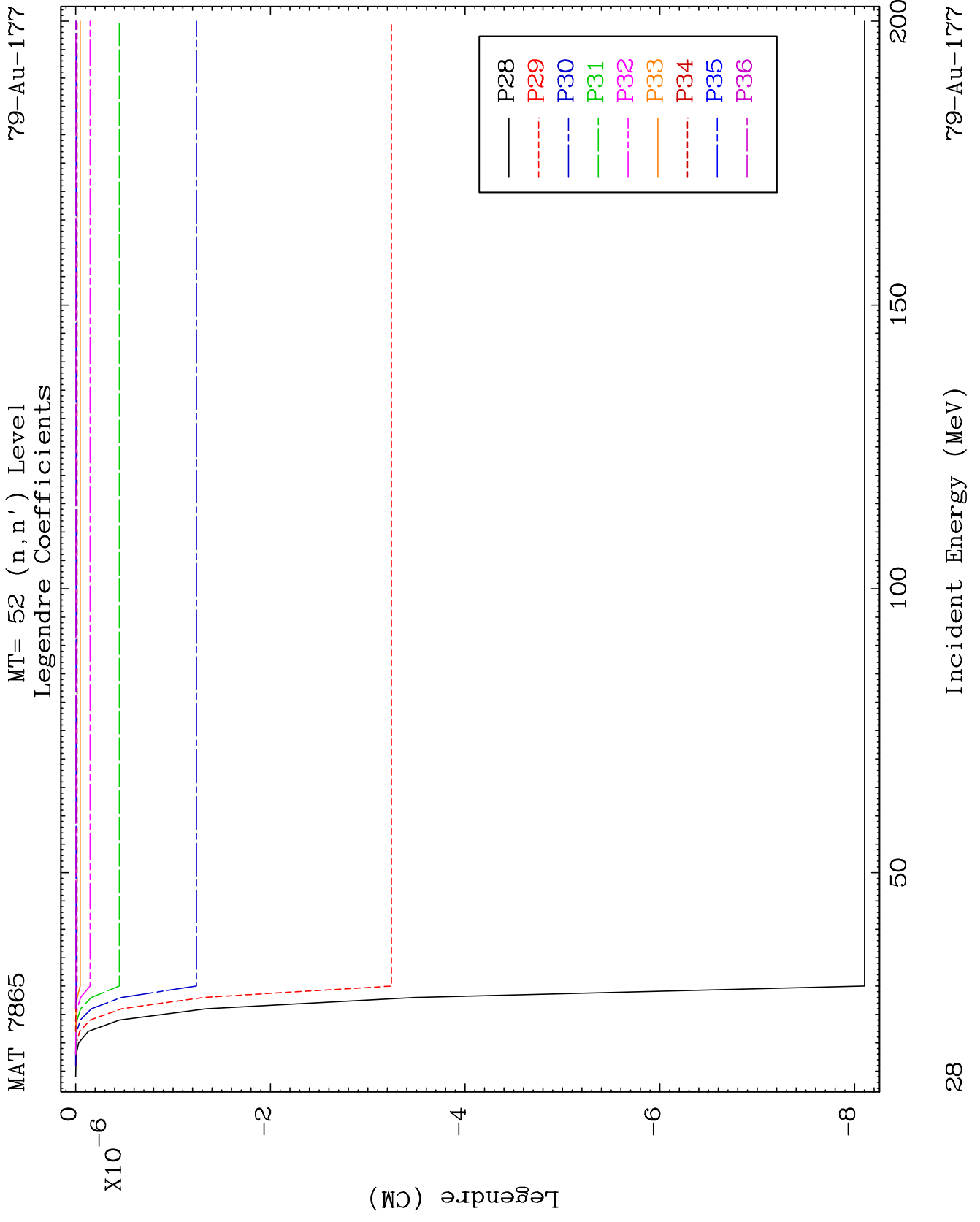


26

Incident Energy (MeV)

79-Au-177

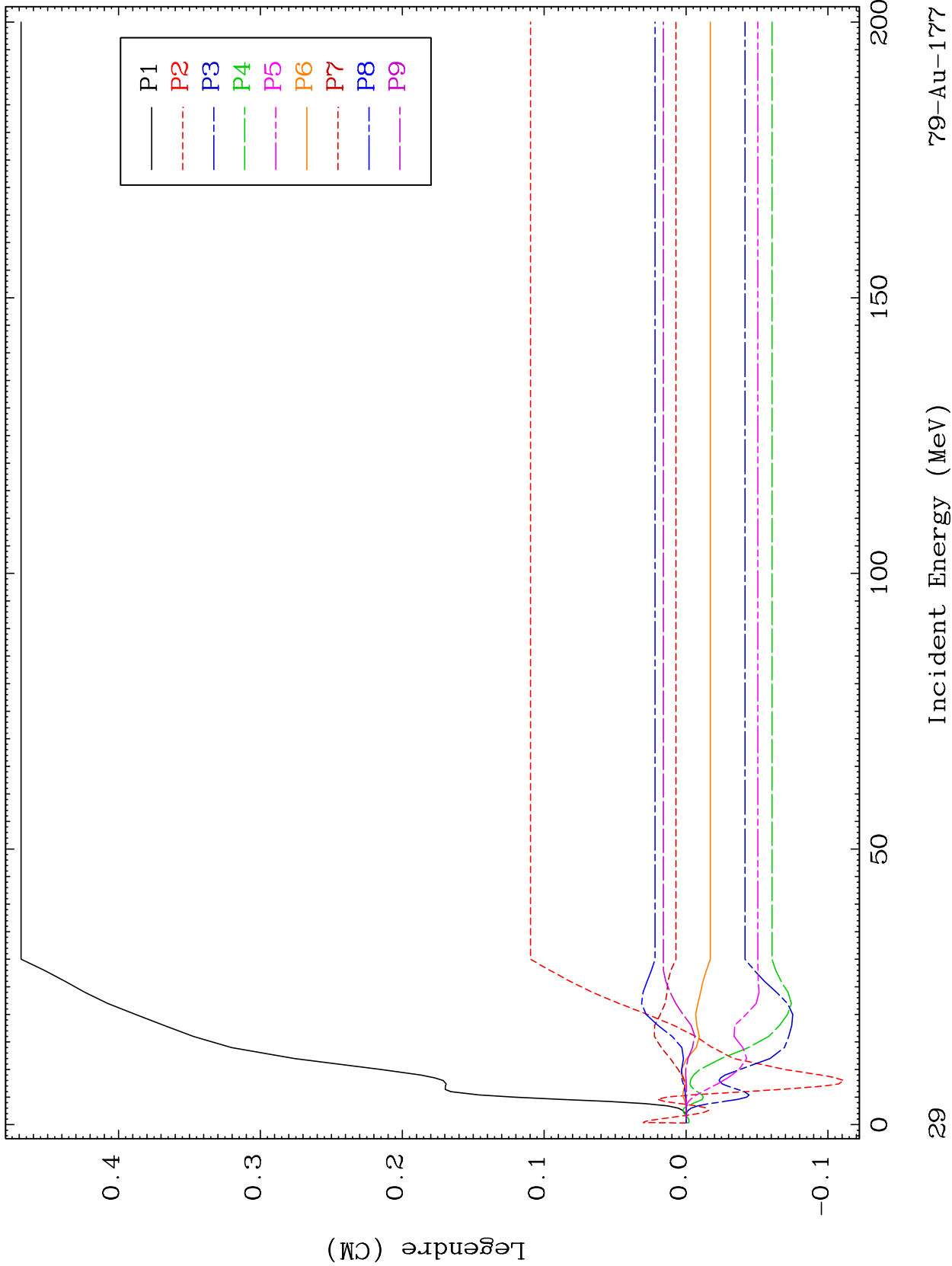




MAT 7865

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

79-Au-177



79-Au-177

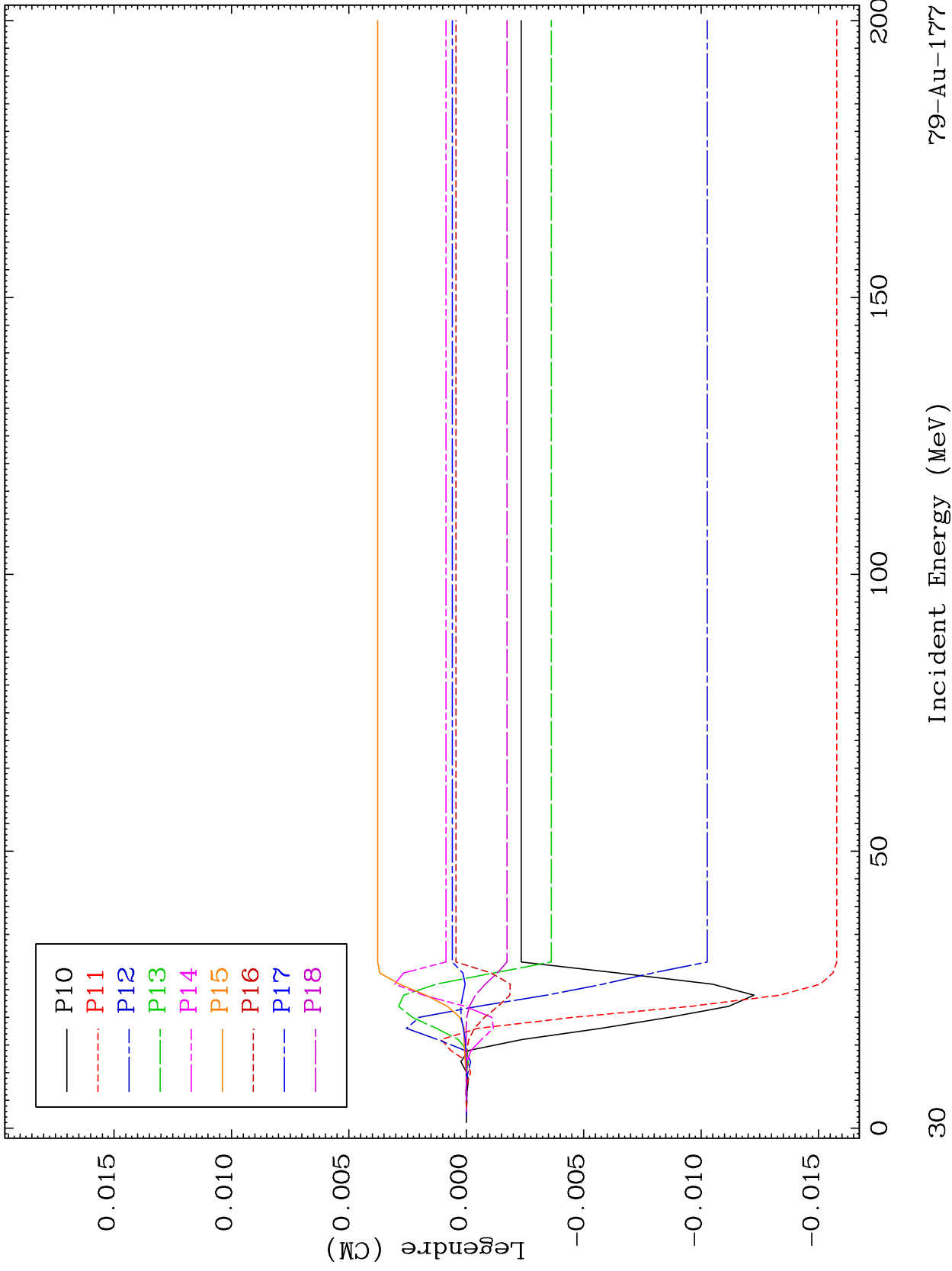
Incident Energy (MeV)

29

MAT 7865

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

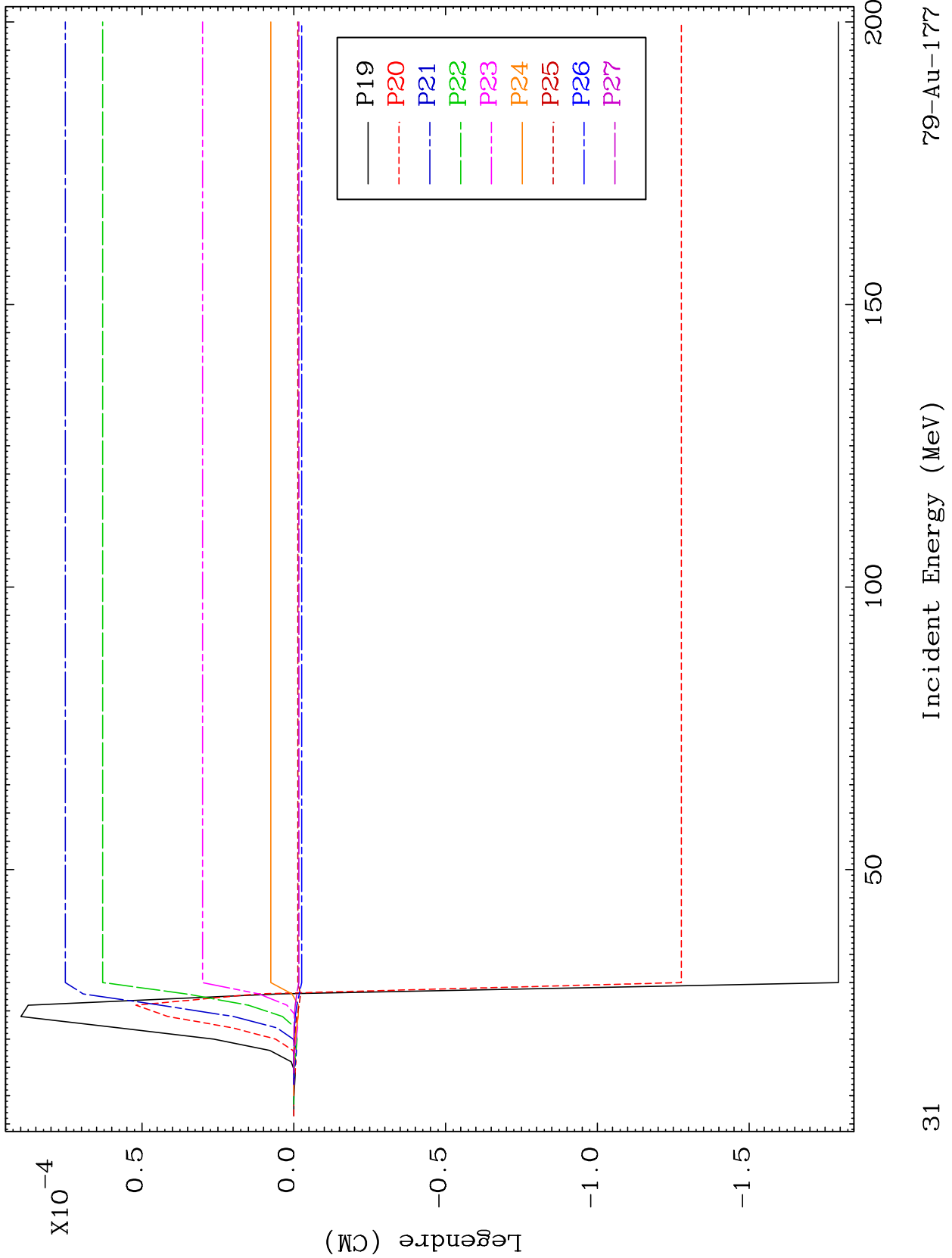
79-Au-177



79-Au-177

Incident Energy (MeV)

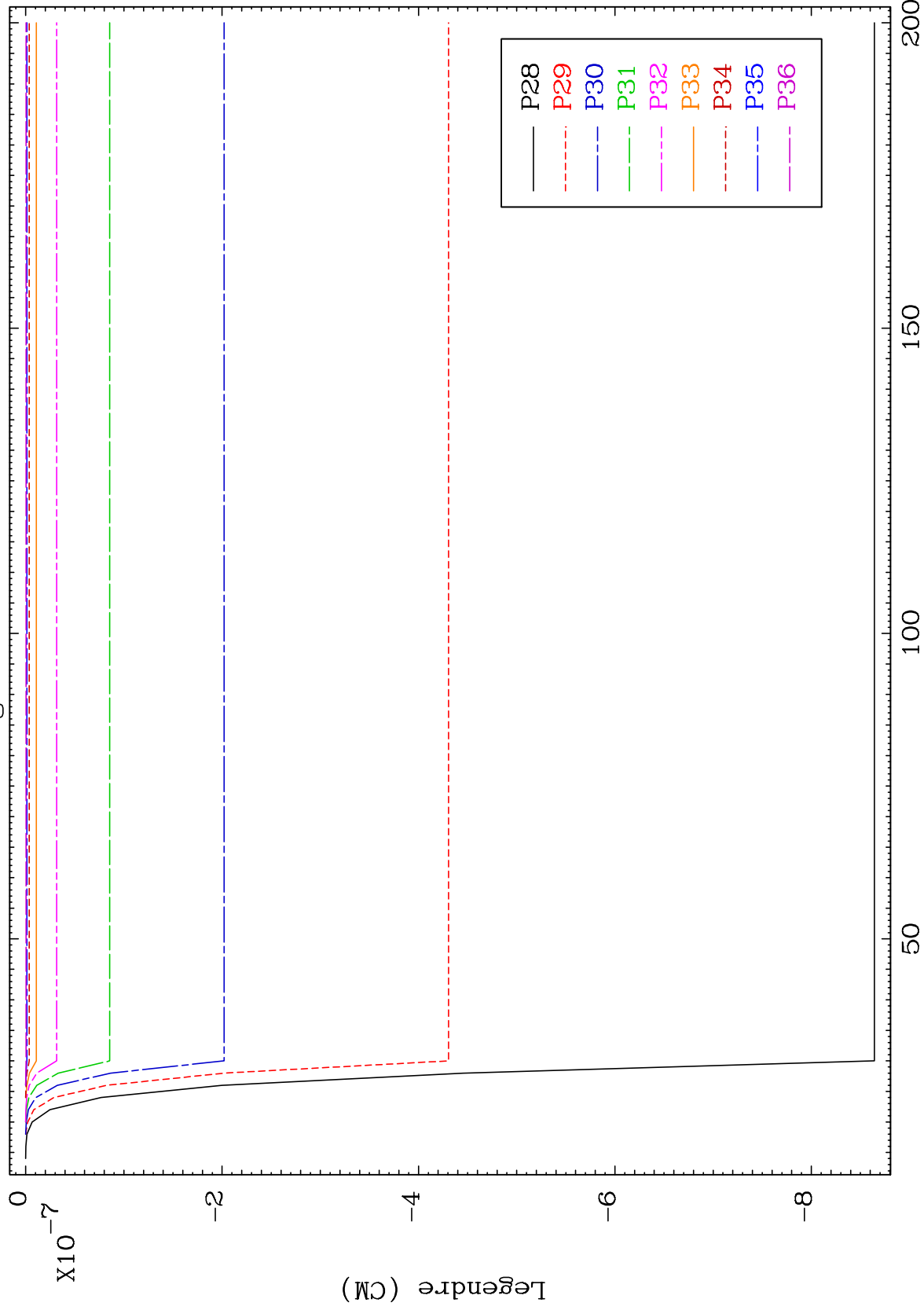
30



MAT 7865

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

79-Au-177



32

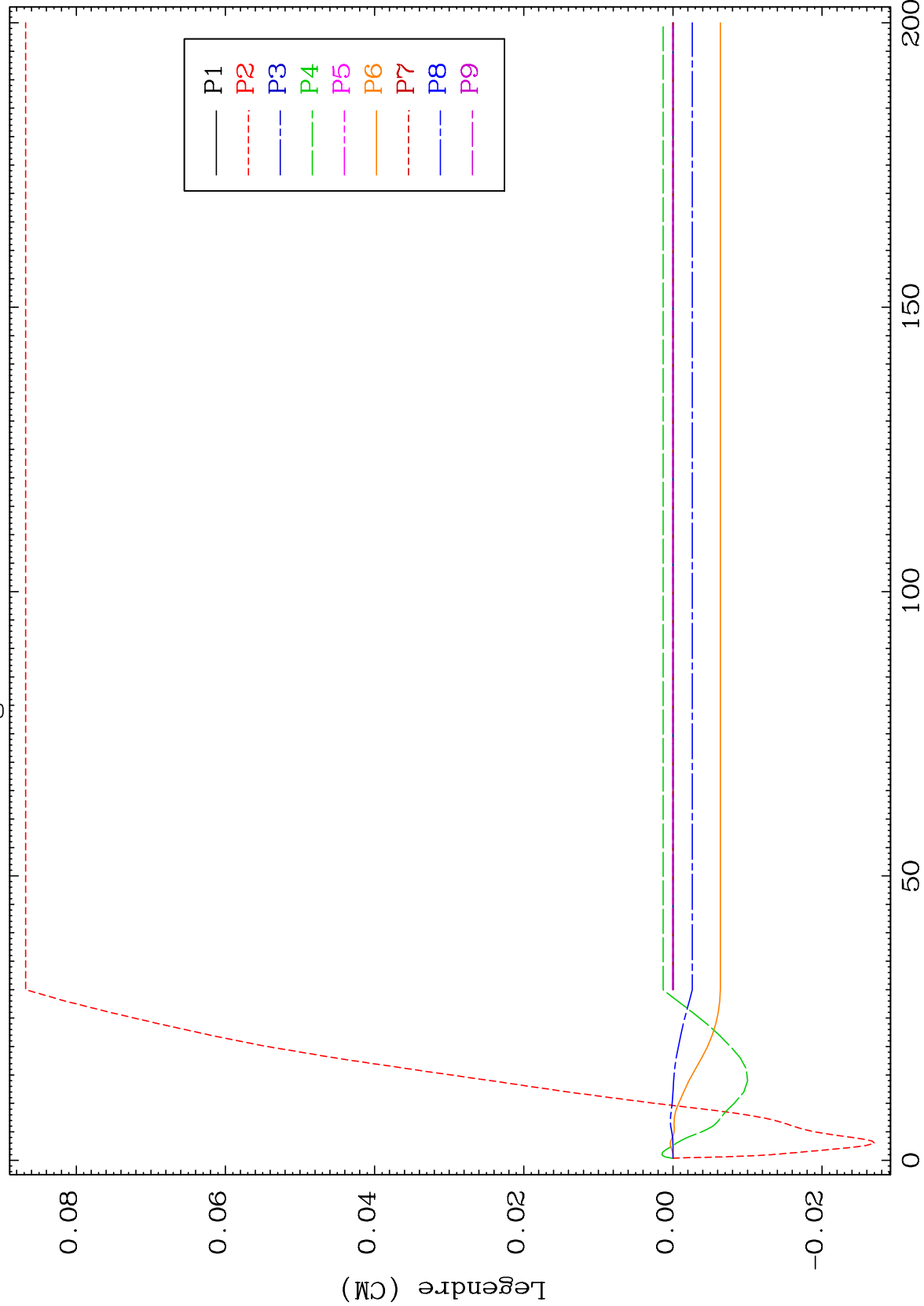
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



79-Au-177

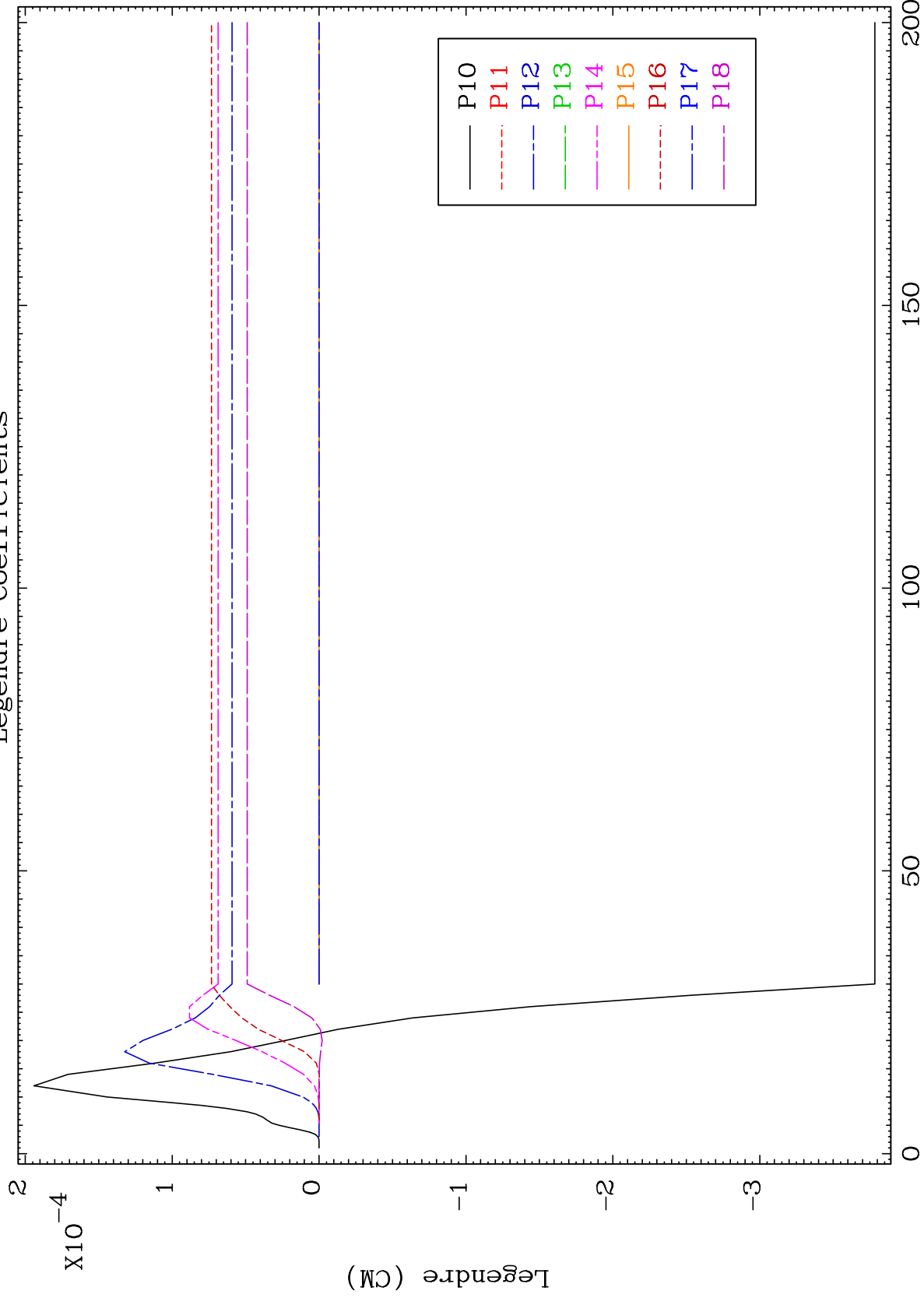
Incident Energy (MeV)

33

MAT 7865

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

79-Au-177



34

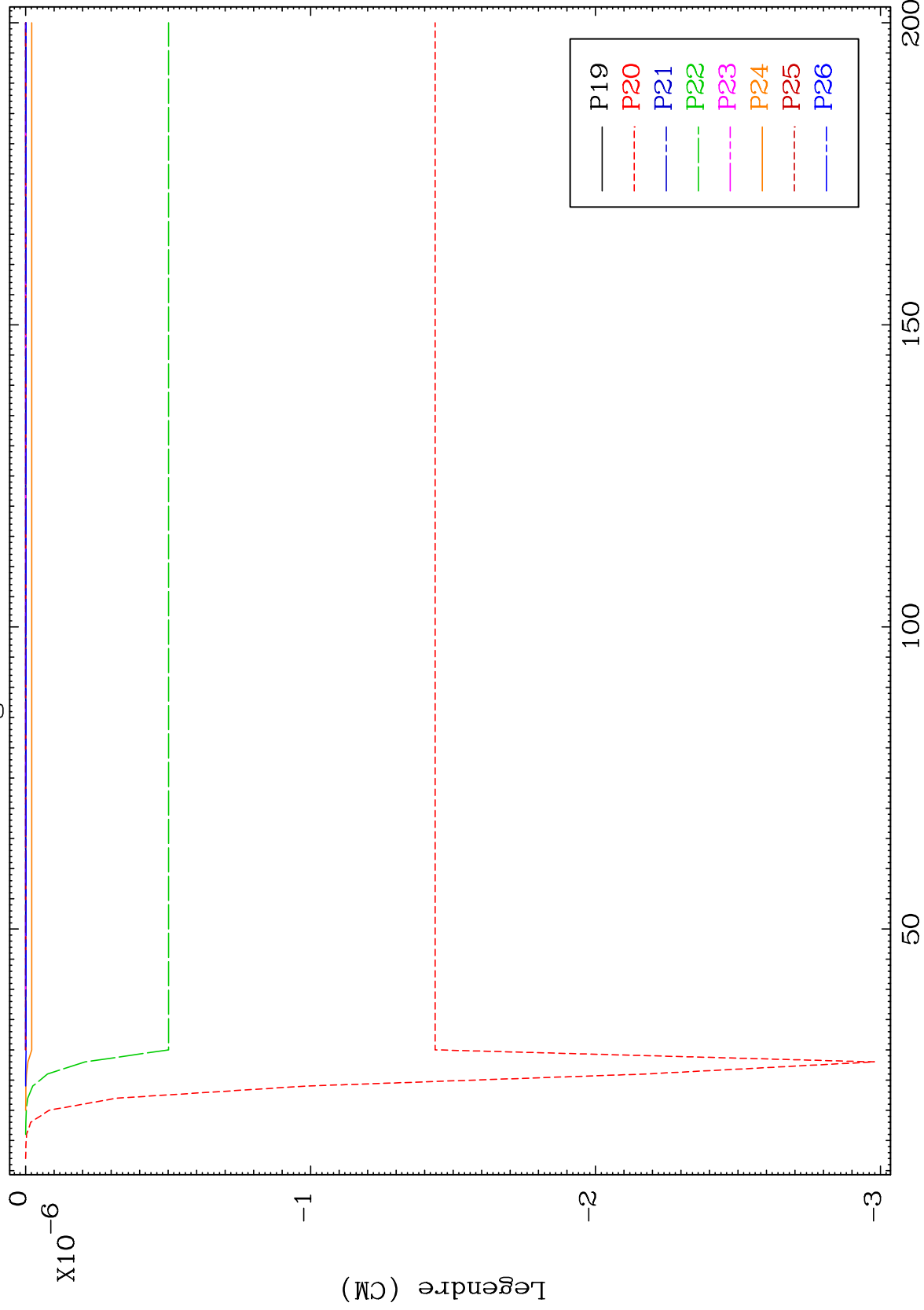
Incident Energy (MeV)

79-Au-177

MAT 7865

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

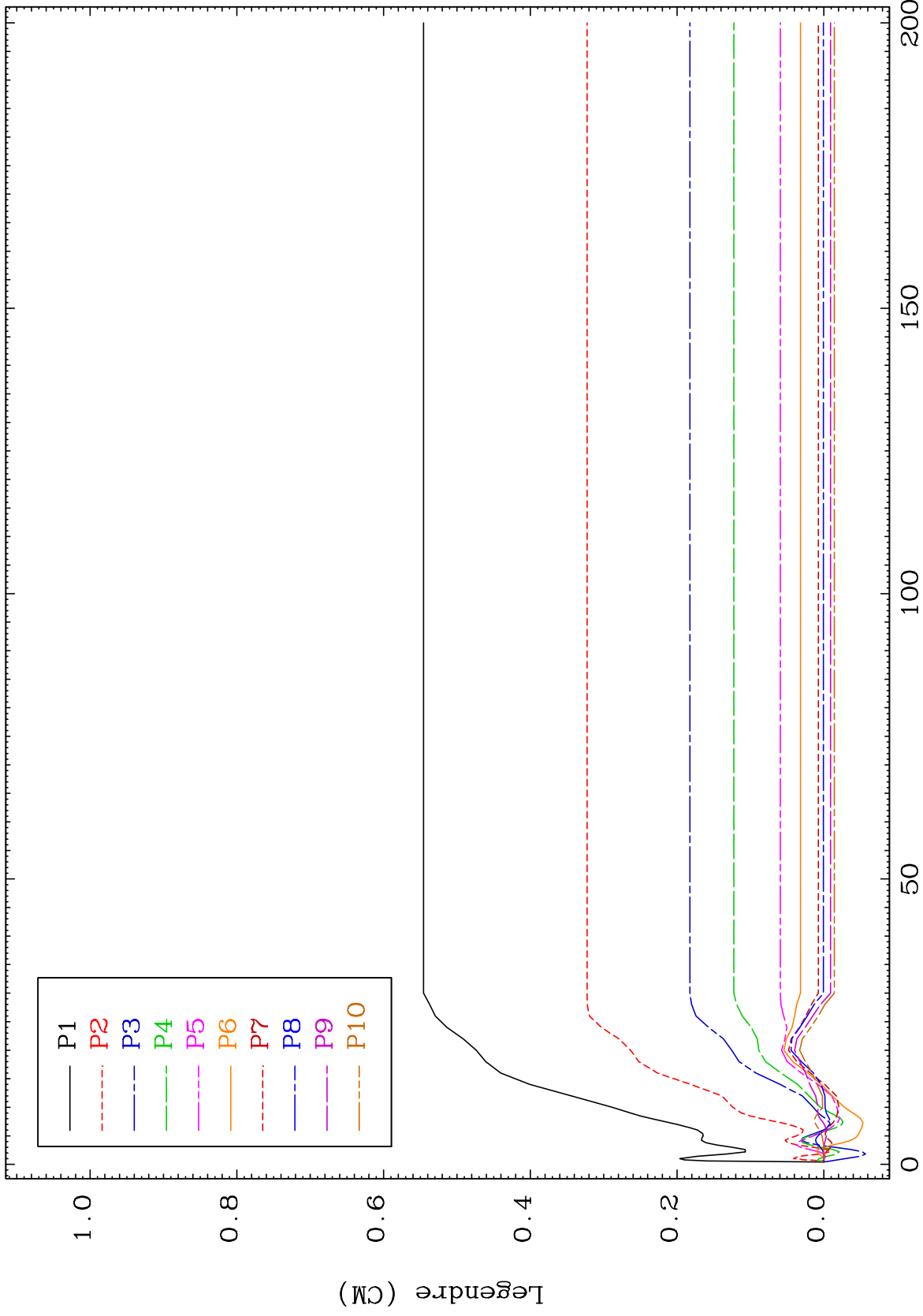
79-Au-177



35

Incident Energy (MeV)

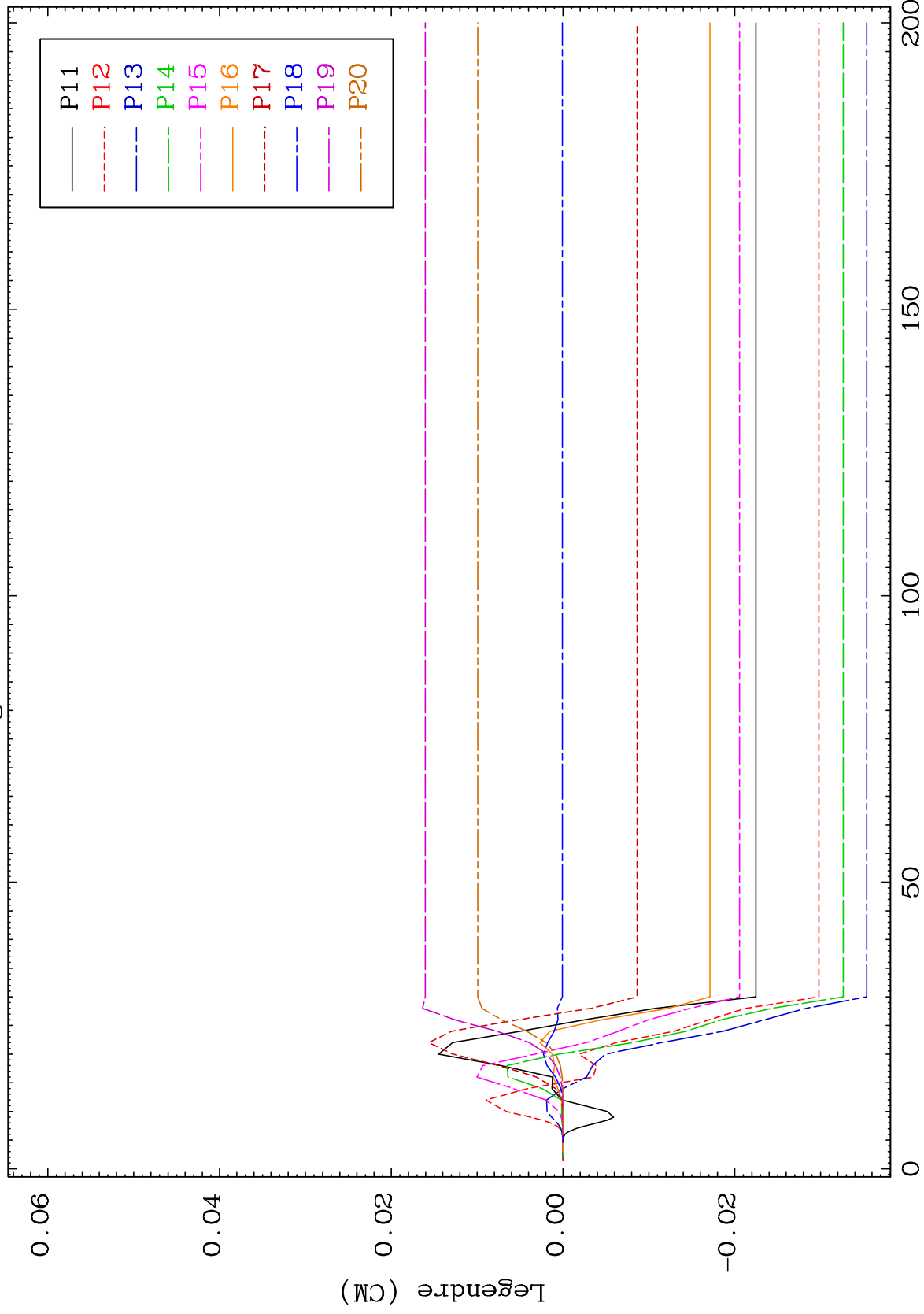
79-Au-177



MAT 7865

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

79-Au-177



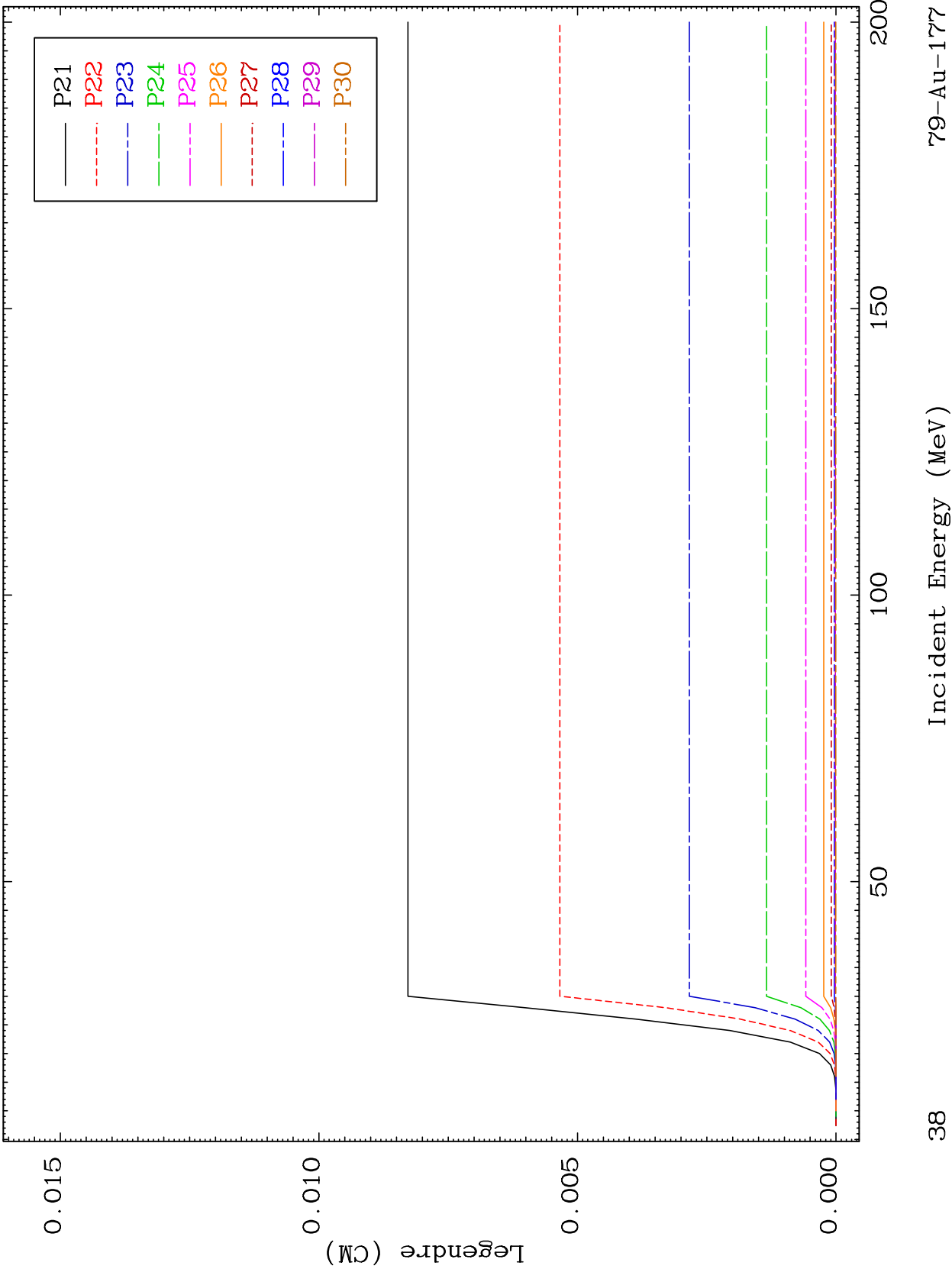
37

79-Au-177

MAT 7865

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

79-Au-177



38

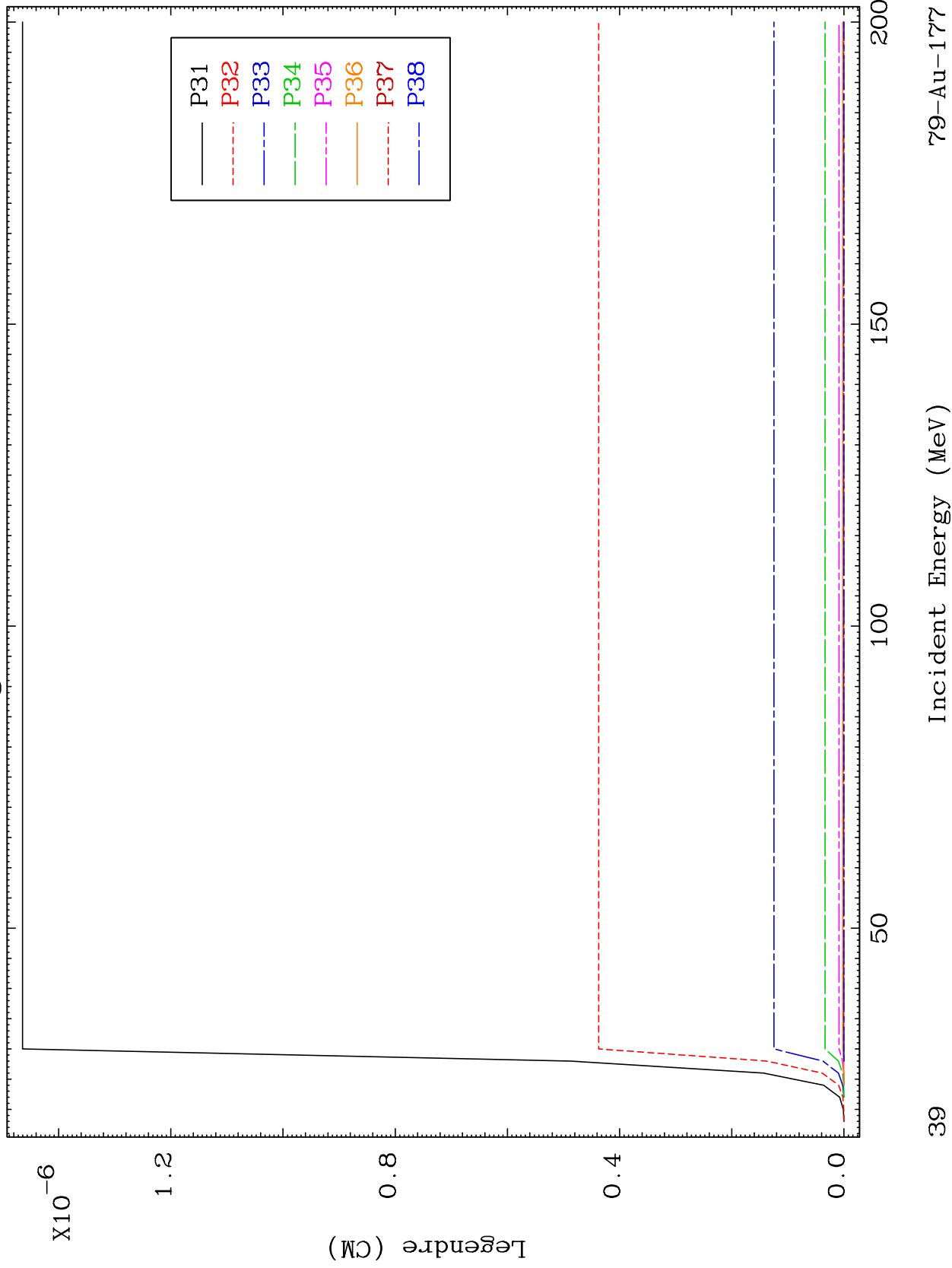
Incident Energy (MeV)

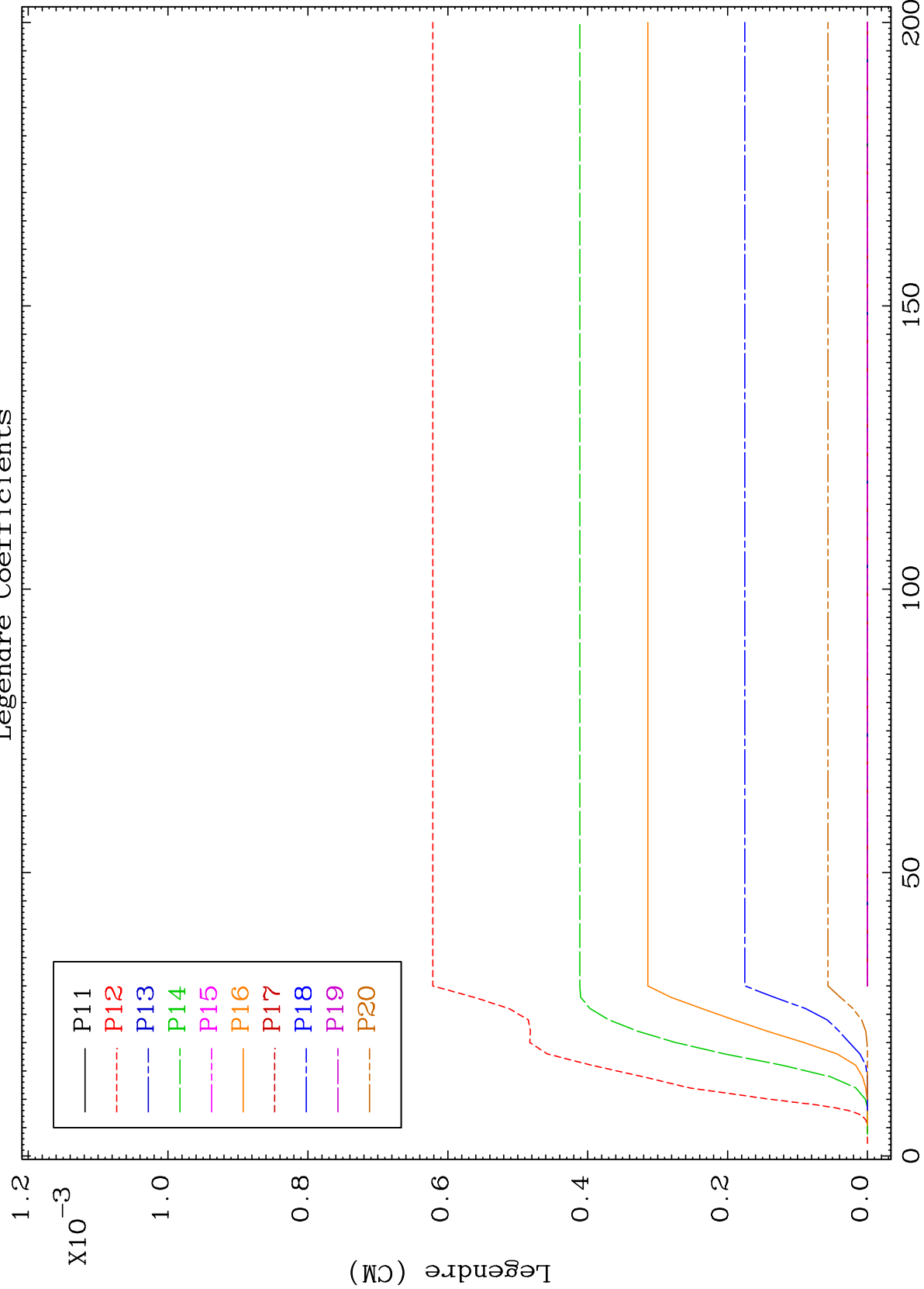
79-Au-177

MAT 7865

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

79-Au-177

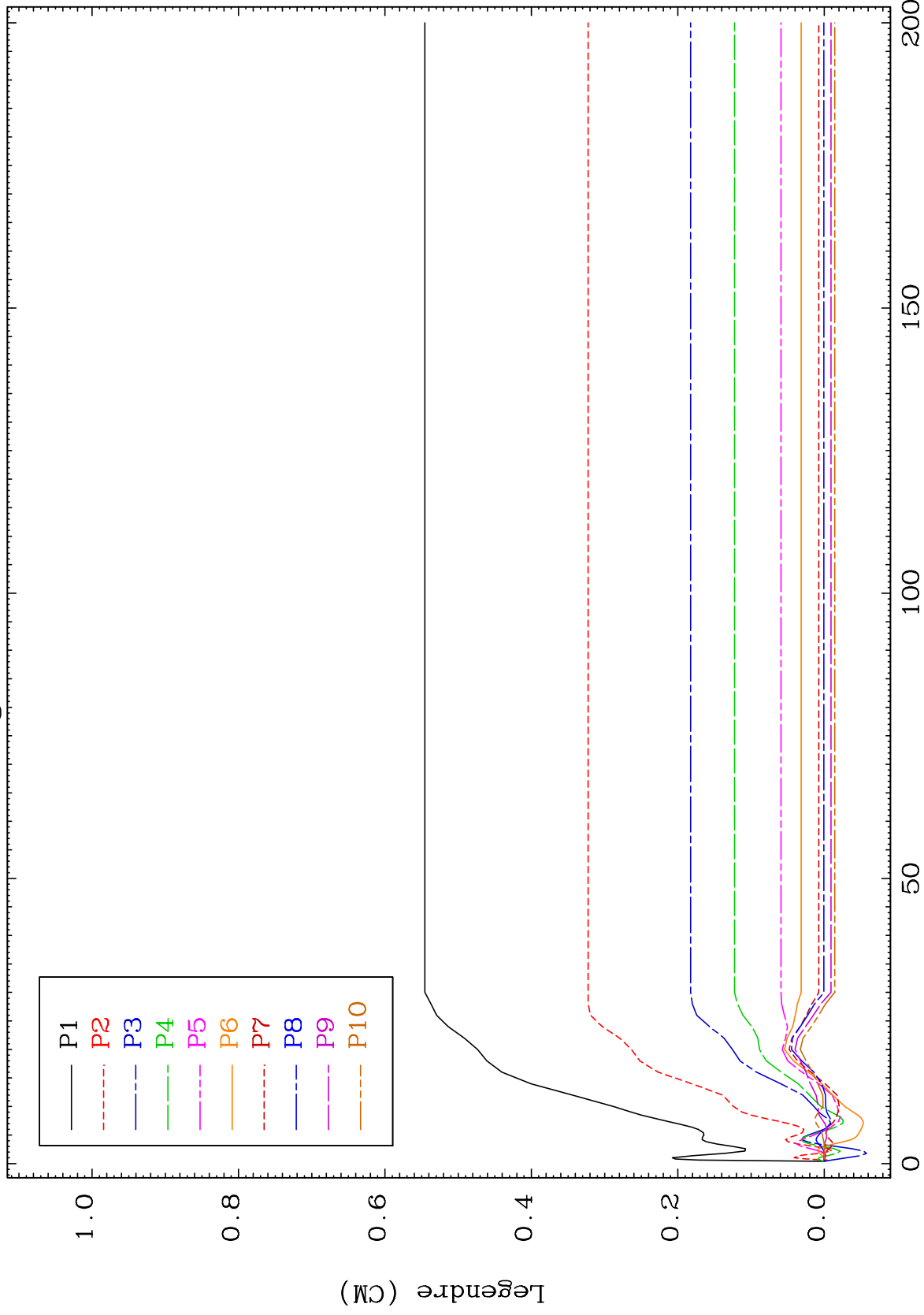




MAT 7865

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

79-Au-177



43

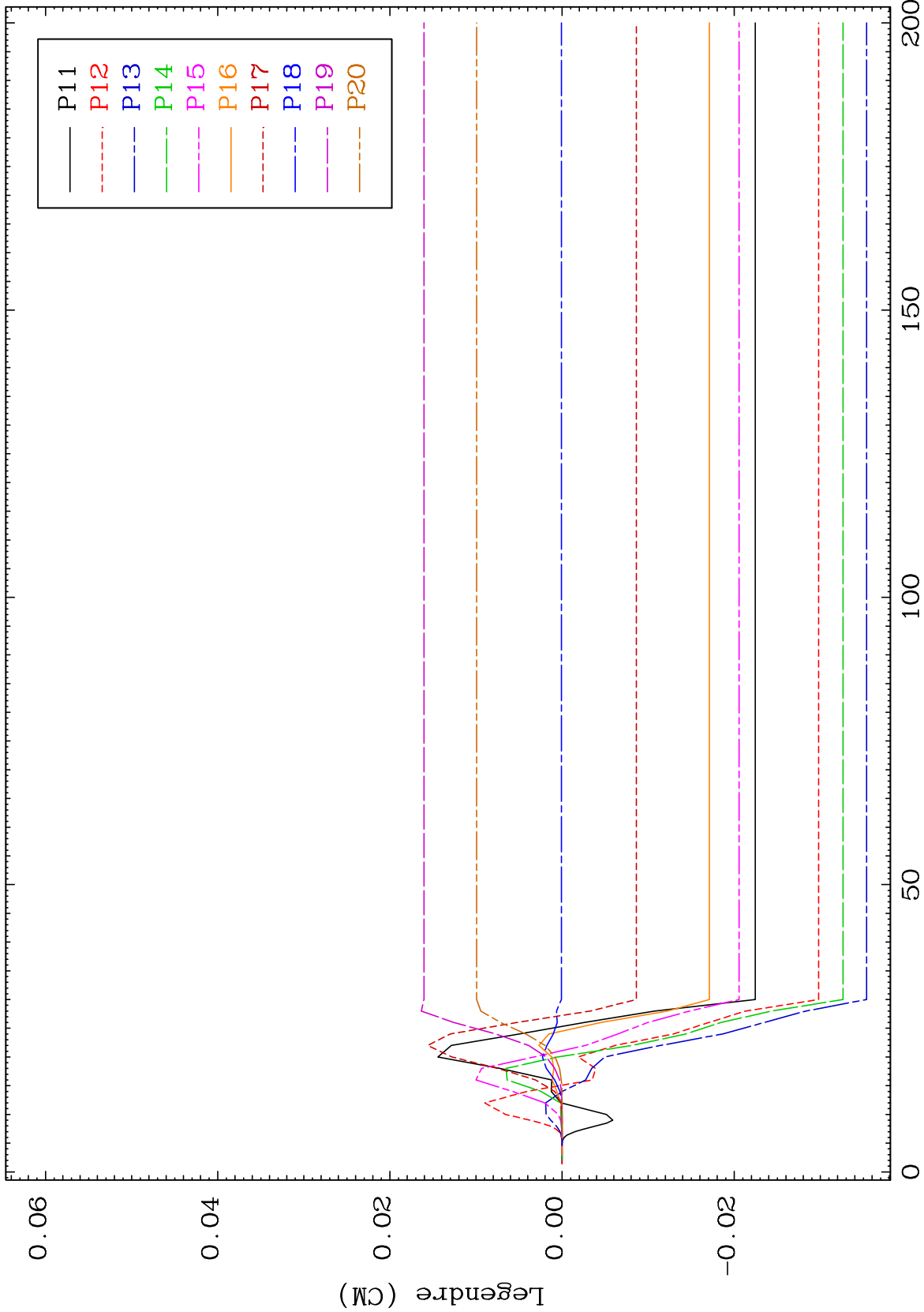
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



44

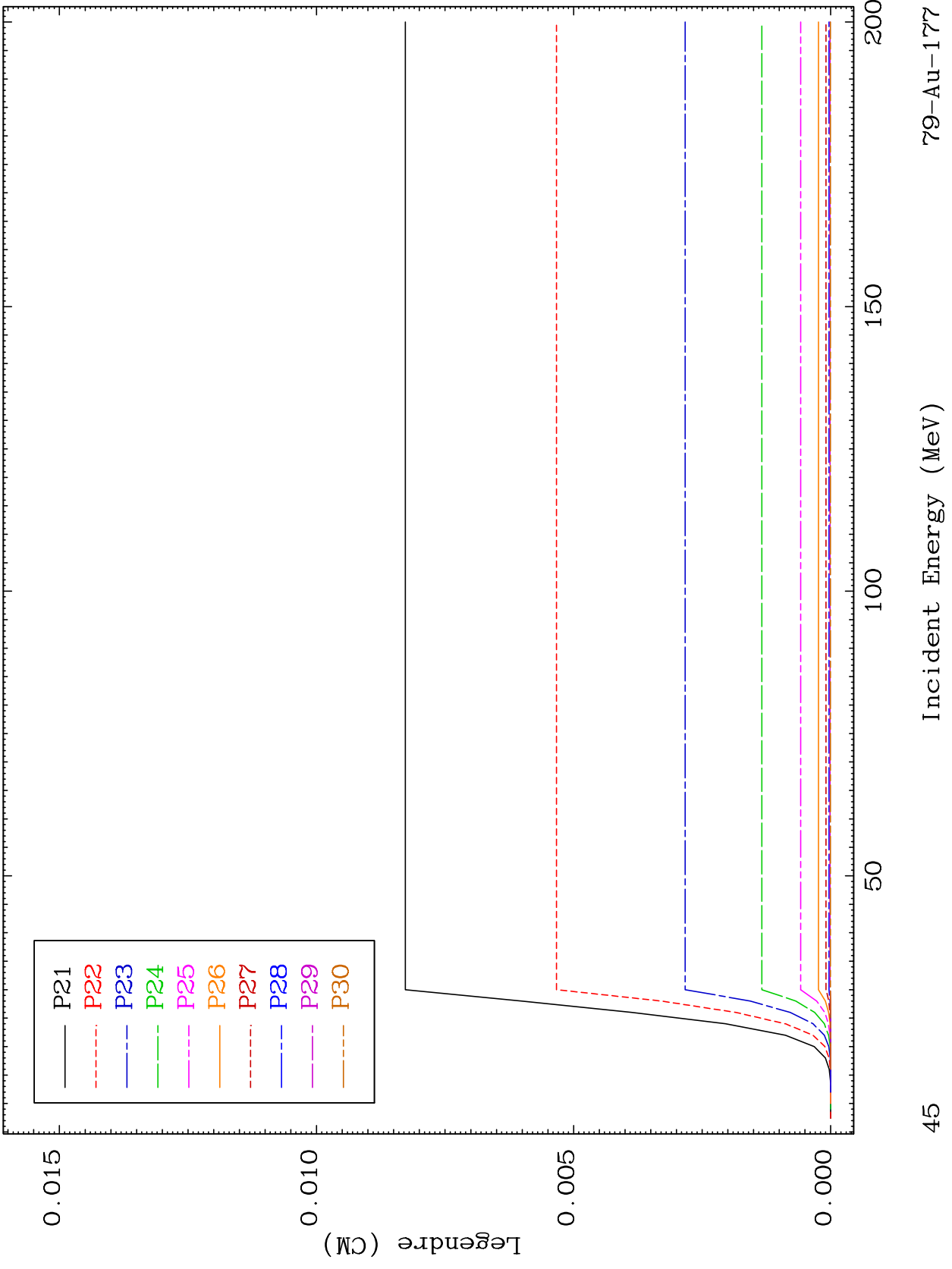
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



45

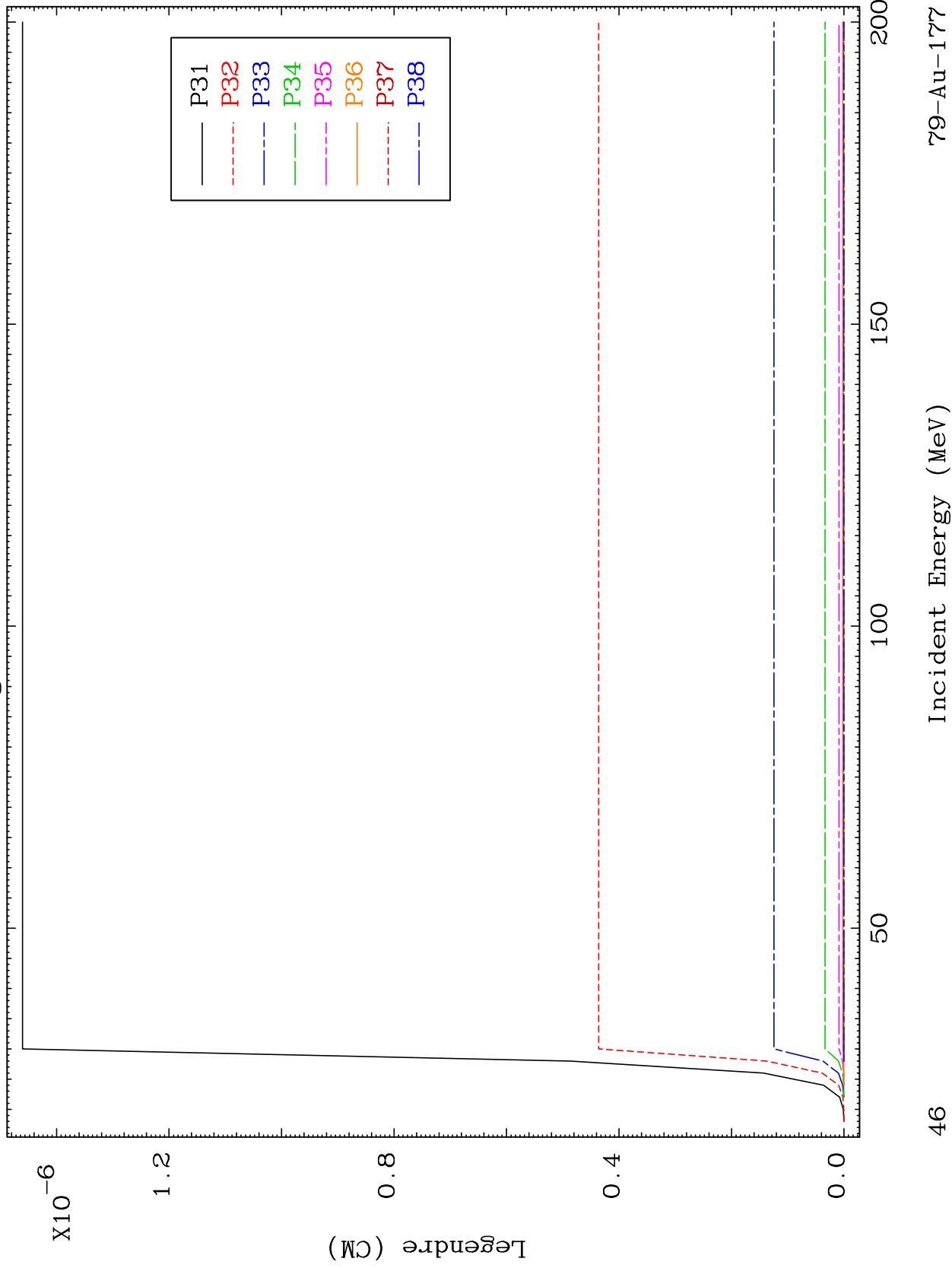
Incident Energy (MeV)

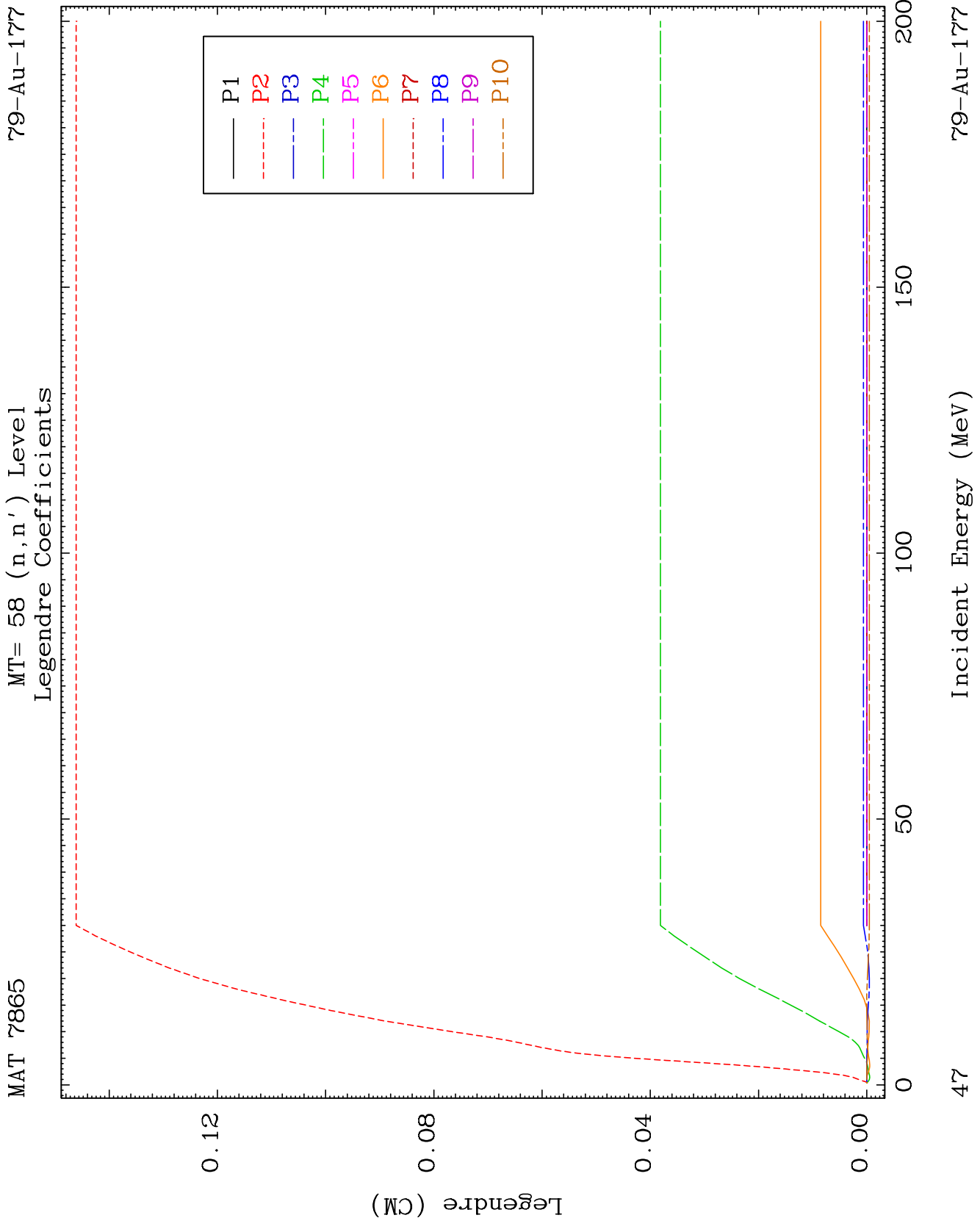
79-Au-177

MAT 7865

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

79-Au-177





79-Au-177

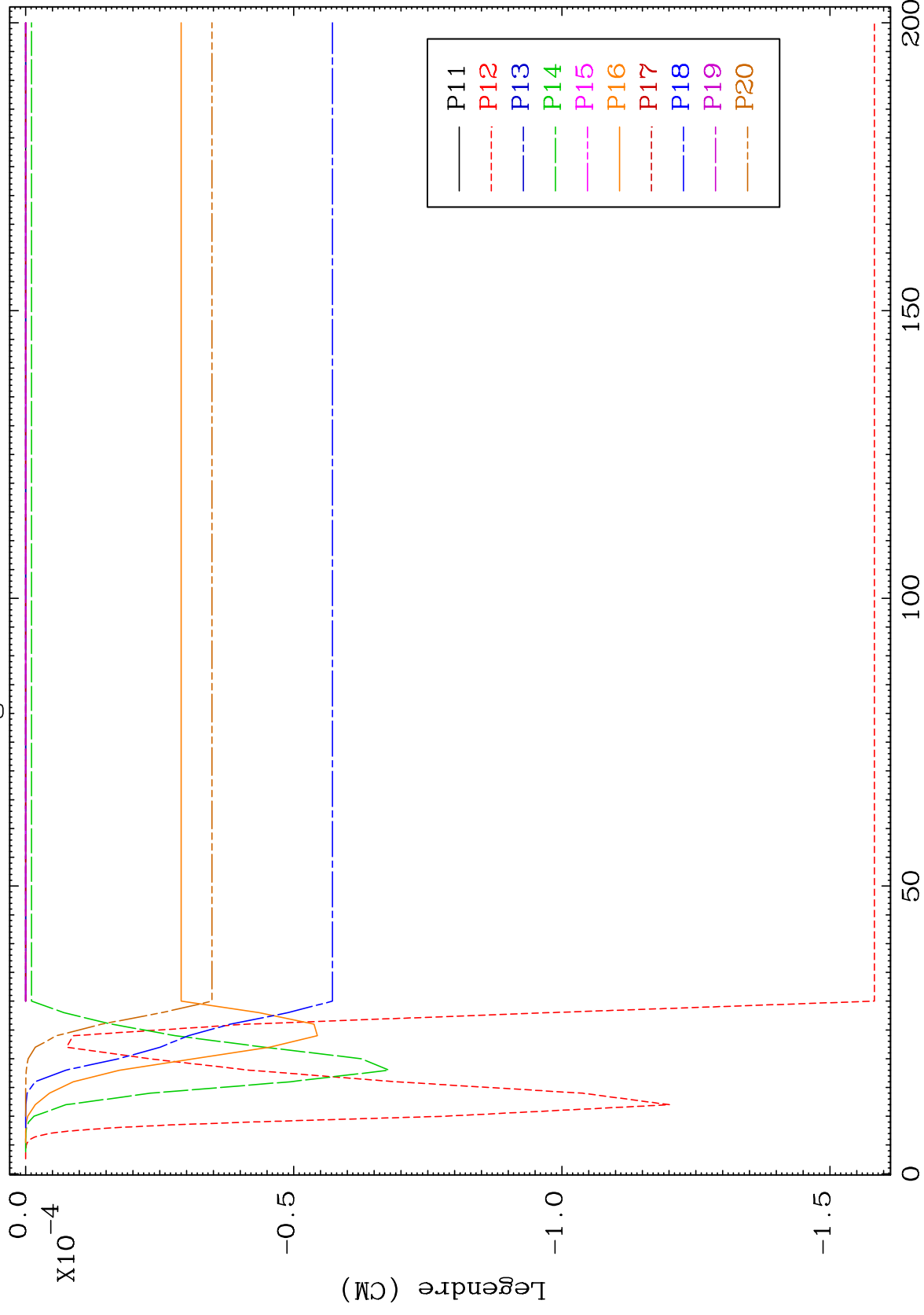
Incident Energy (MeV)

47

MAT 7865

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

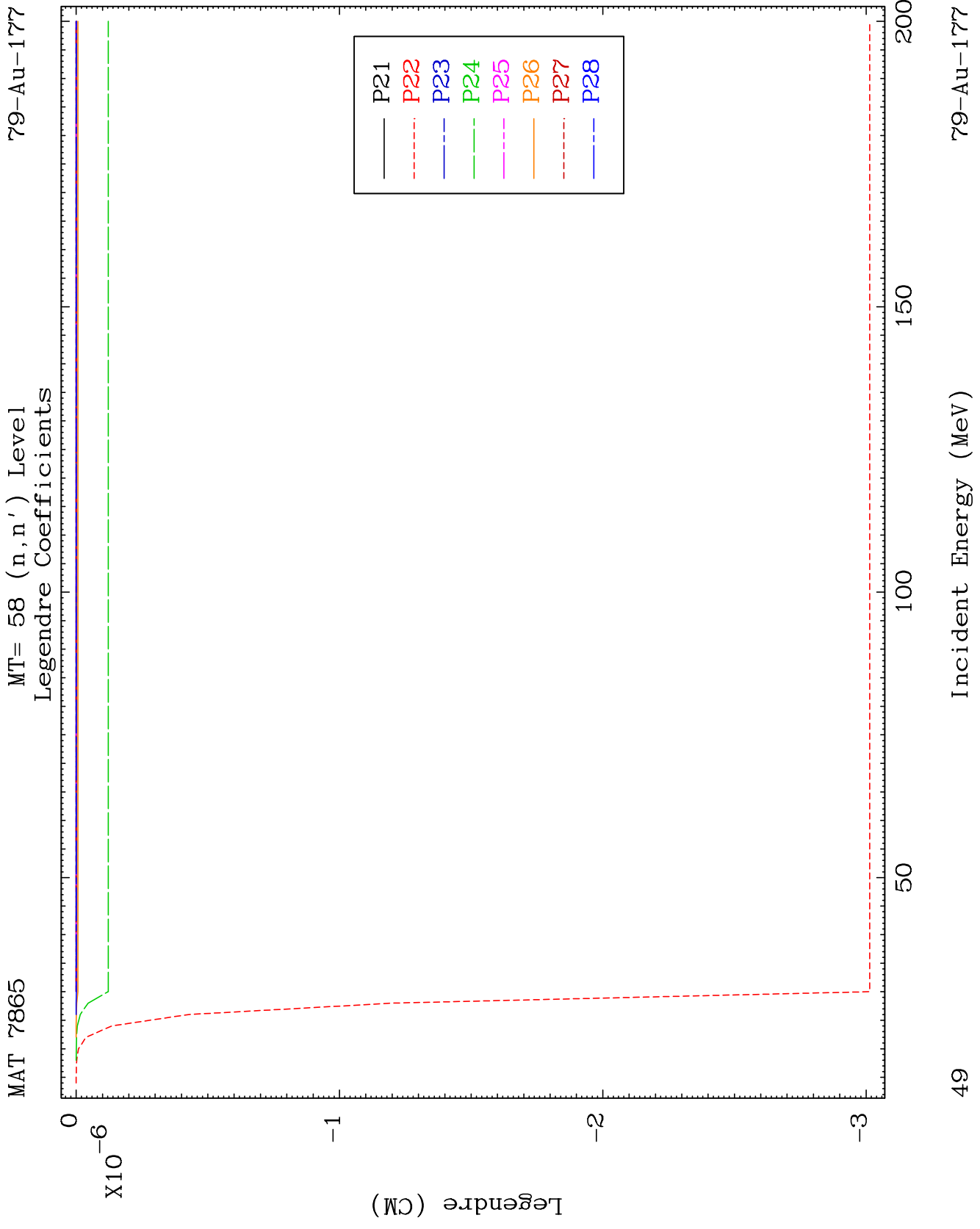
79-Au-177



48

Incident Energy (MeV)

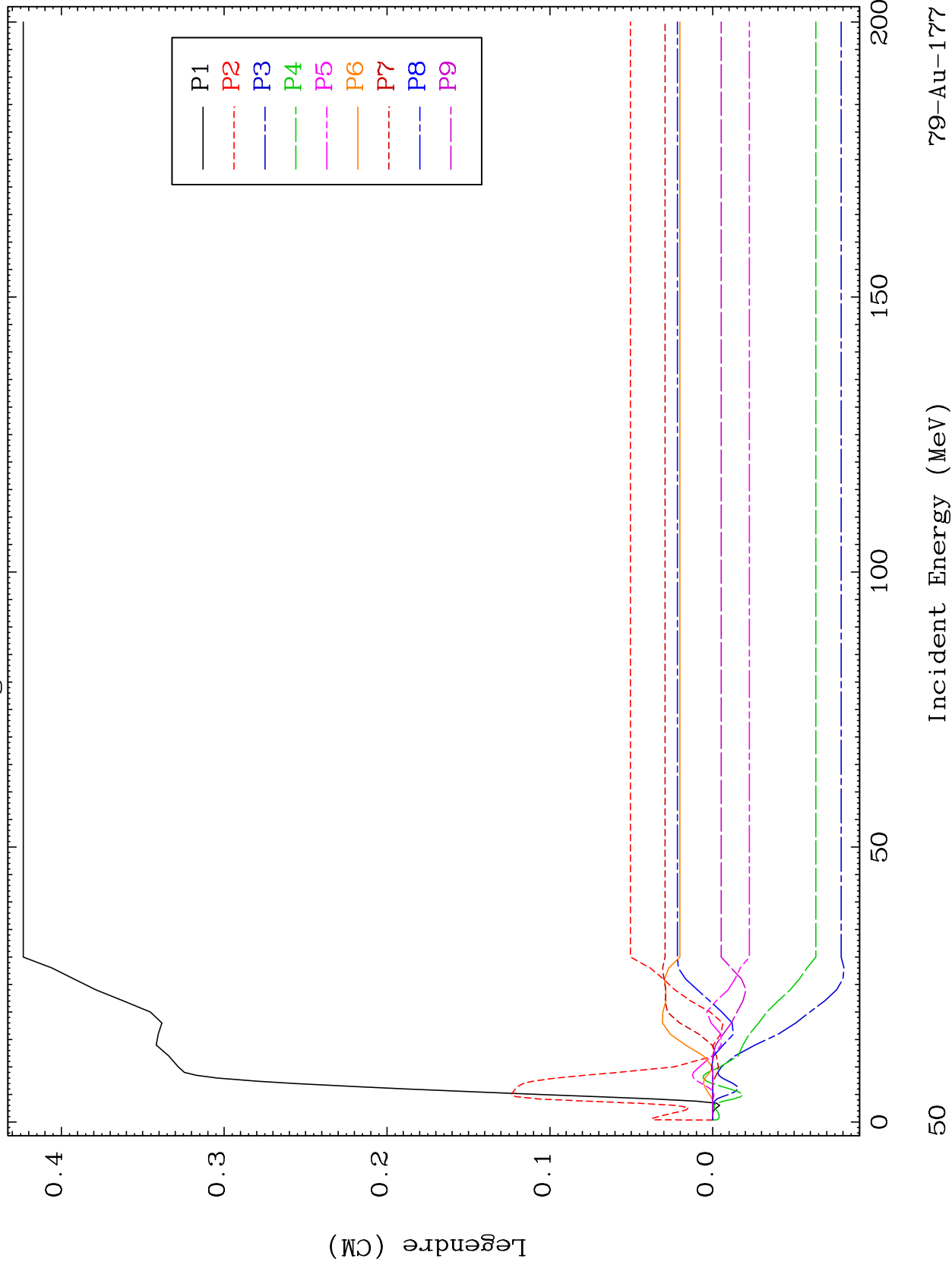
79-Au-177



MAT 7865

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

79-Au-177



79-Au-177

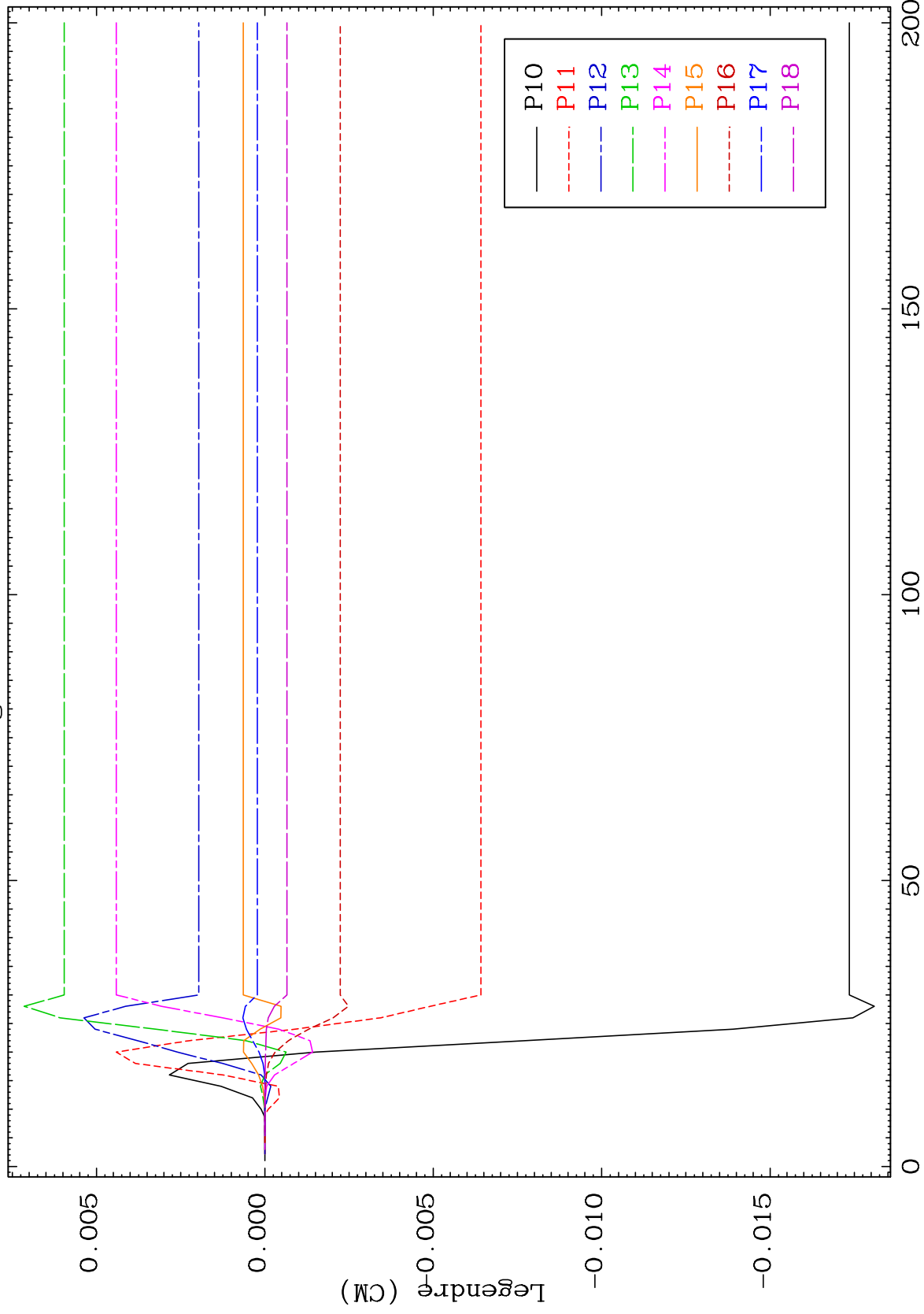
Incident Energy (MeV)

50

MAT 7865

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

79-Au-177



51

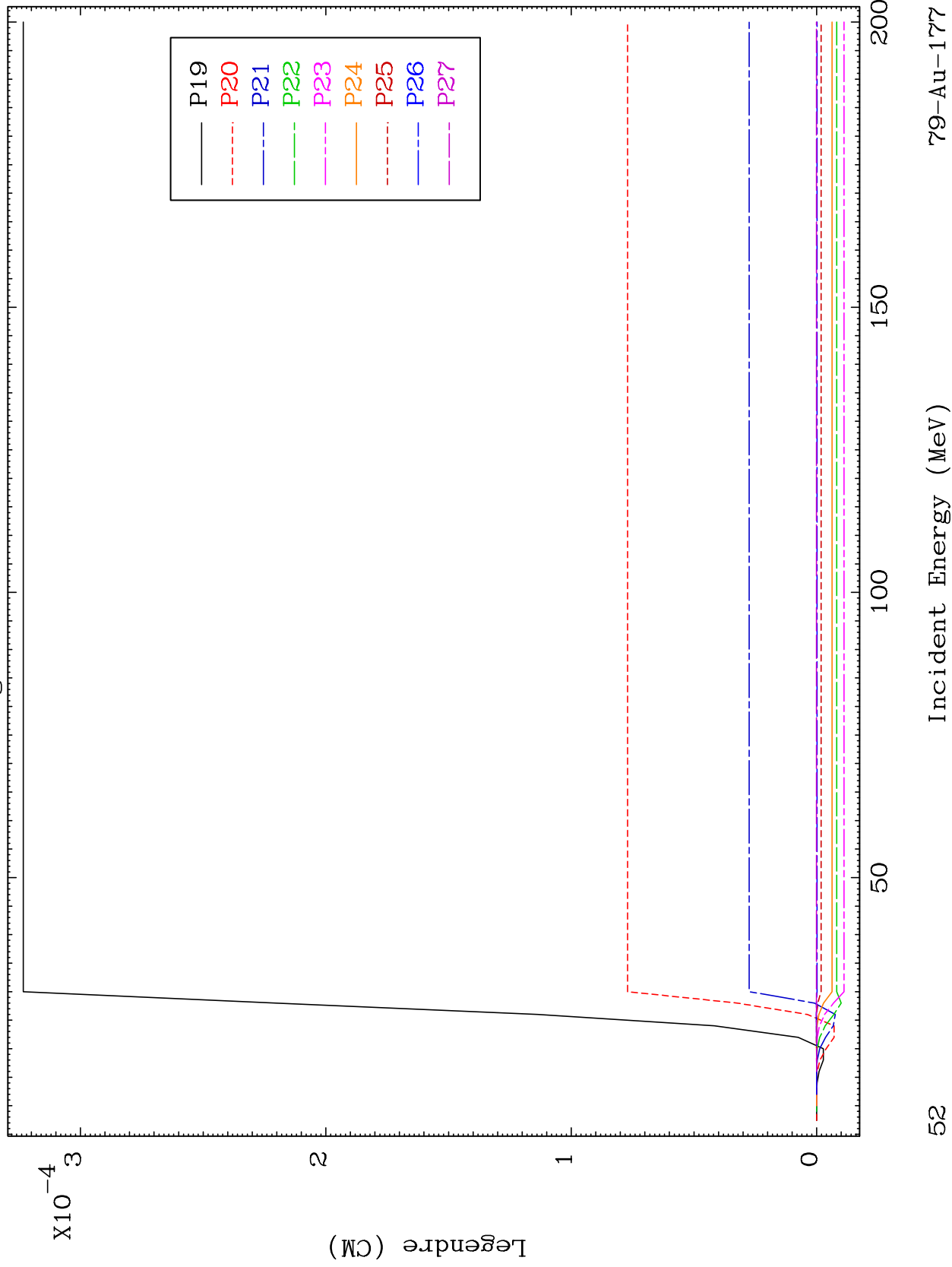
Incident Energy (MeV)

79-Au-177

MAT 7865

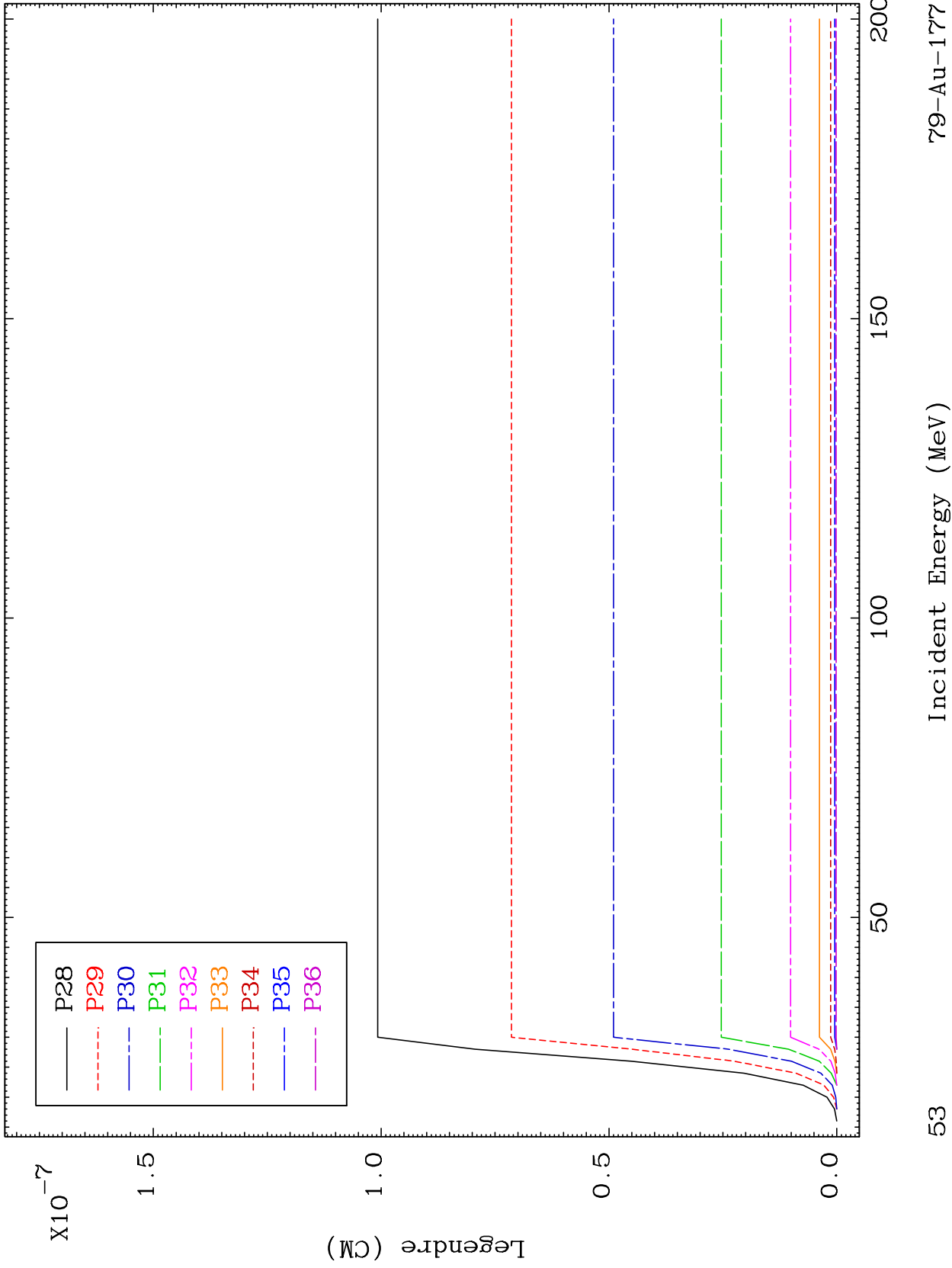
MT= 59 (n,n') Level
Legendre Coefficients

79-Au-177



52

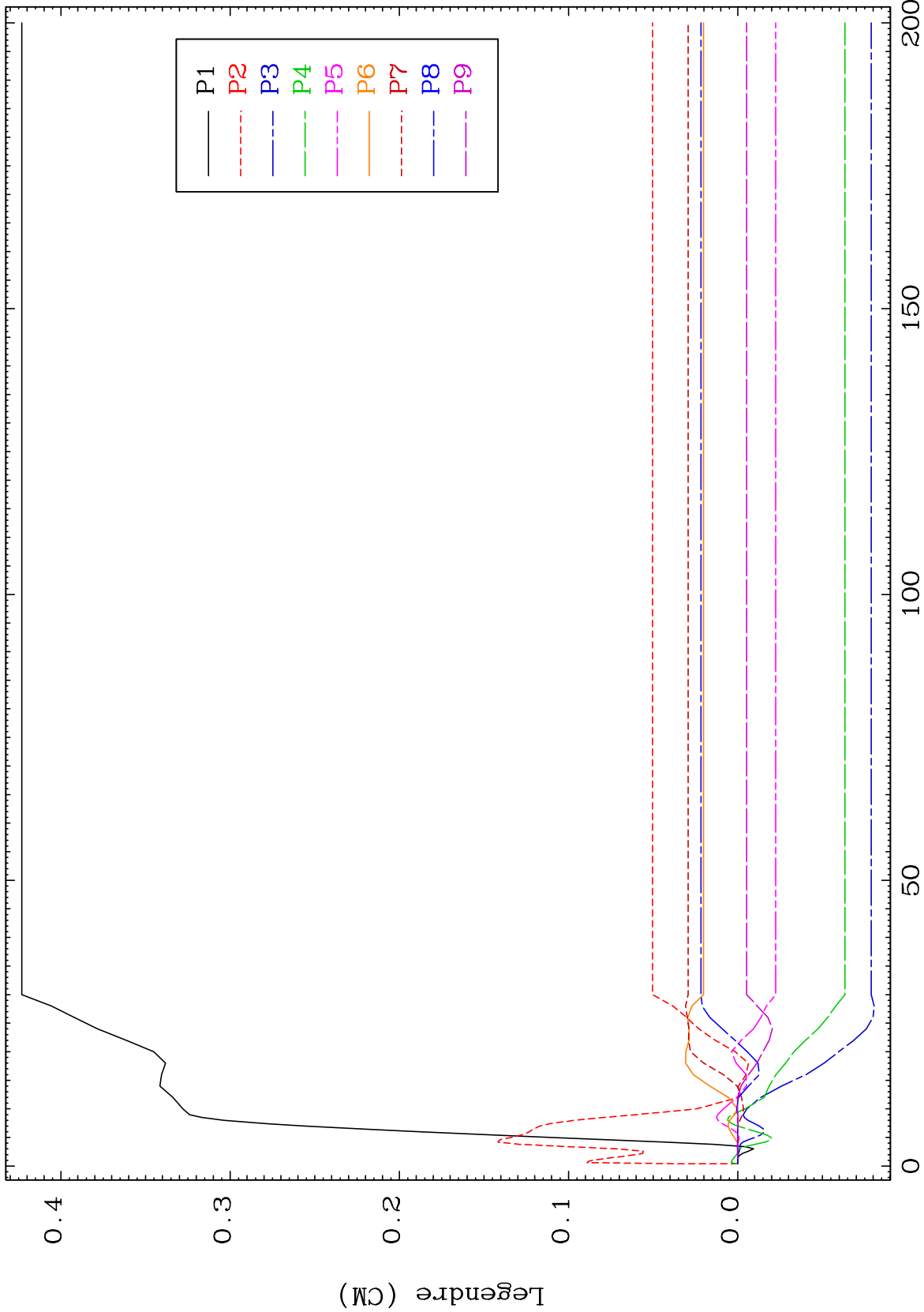
79-Au-177



MAT 7865

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

79-Au-177



79-Au-177

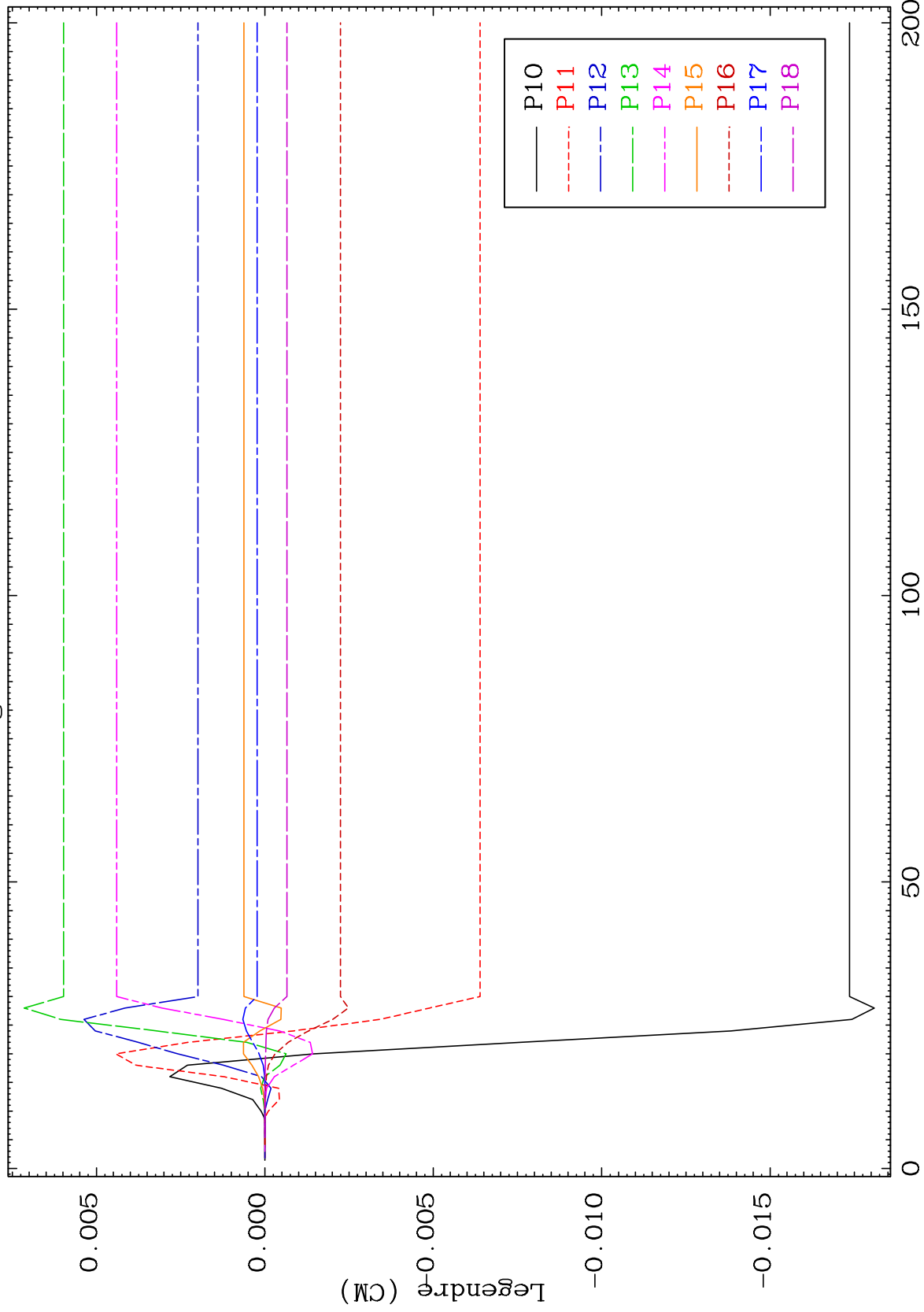
Incident Energy (MeV)

54

MAT 7865

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

79-Au-177



55

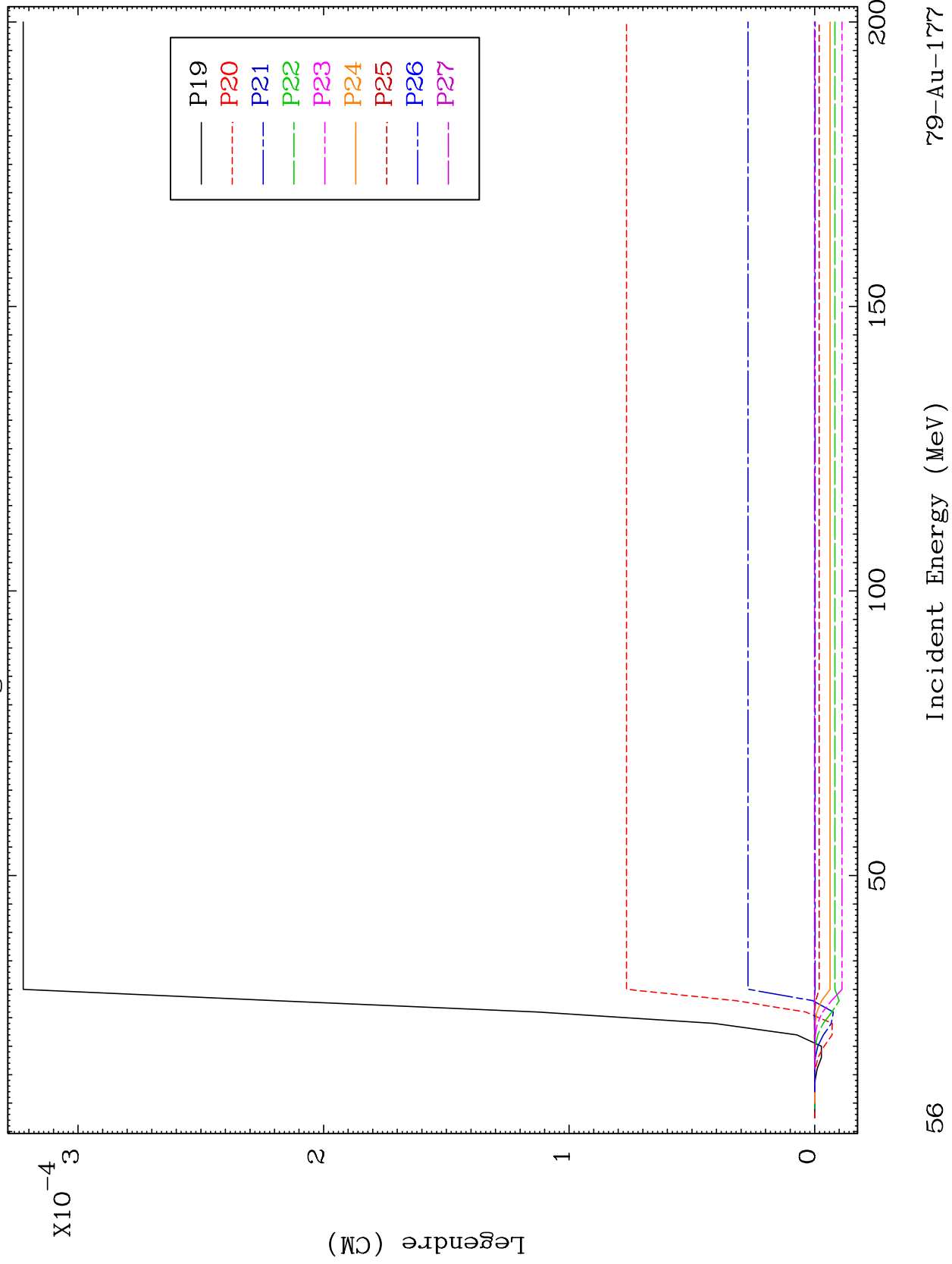
Incident Energy (MeV)

79-Au-177

MAT 7865

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

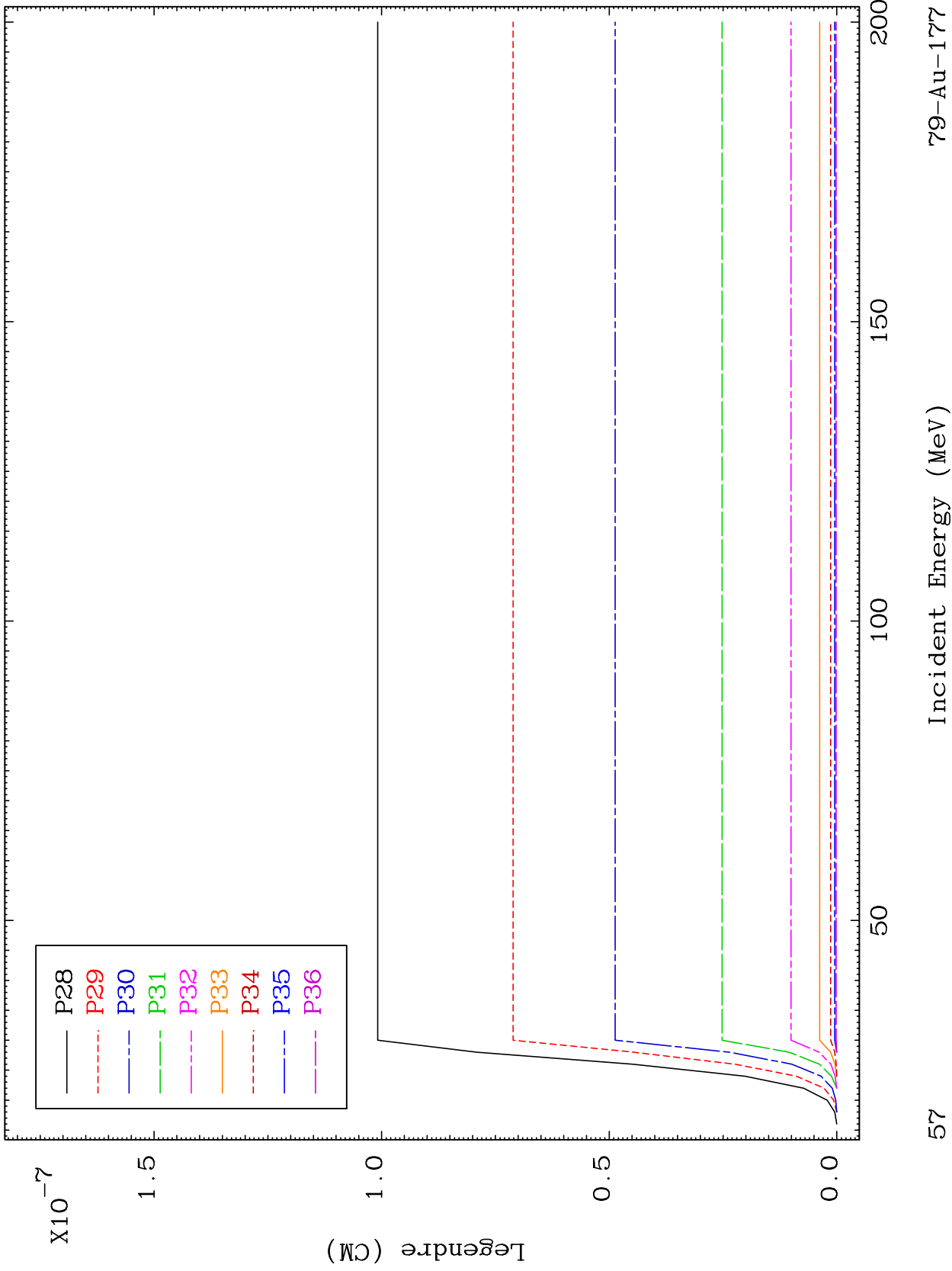
79-Au-177



56

Incident Energy (MeV)

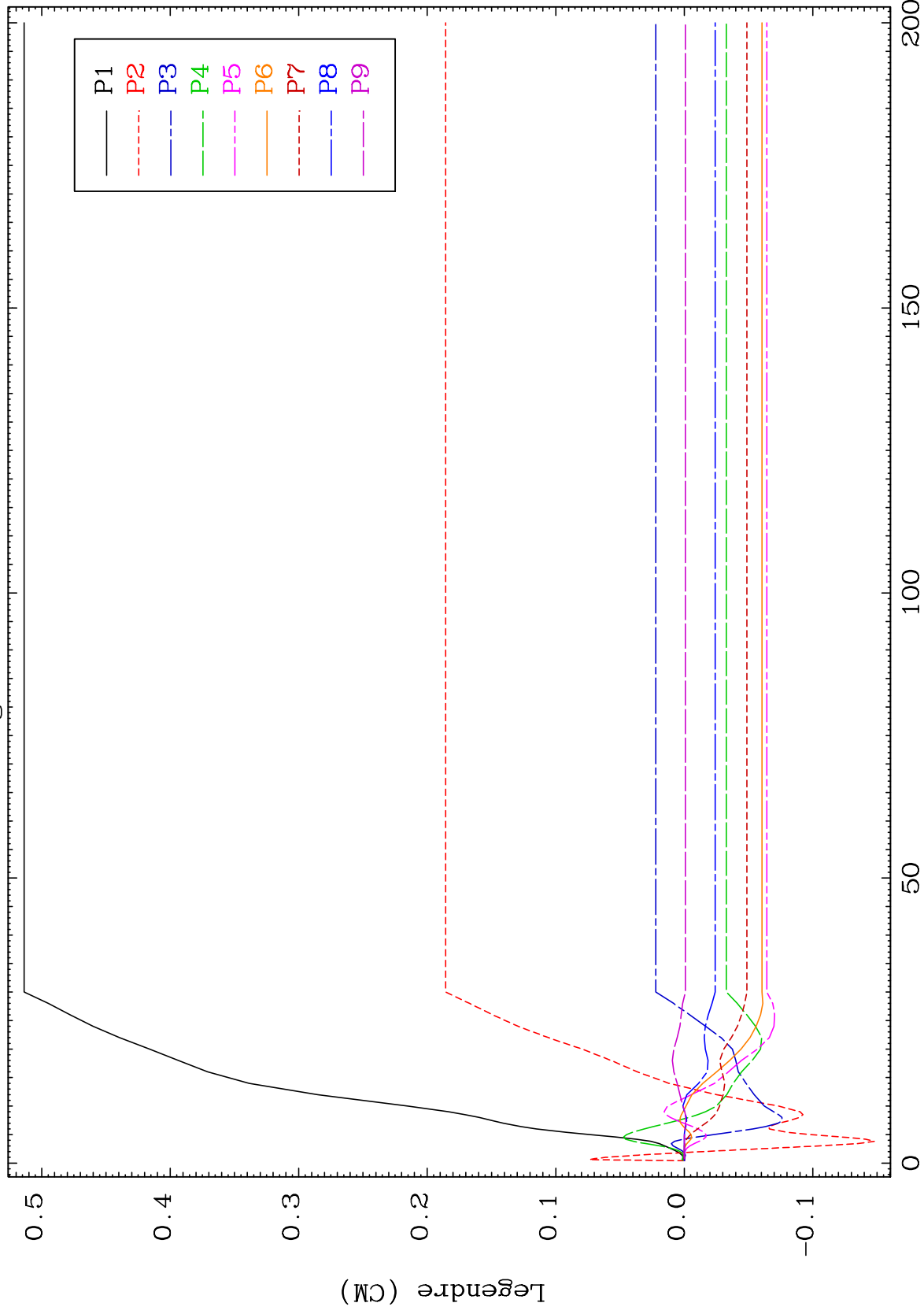
79-Au-177



MAT 7865

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

79-Au-177



58

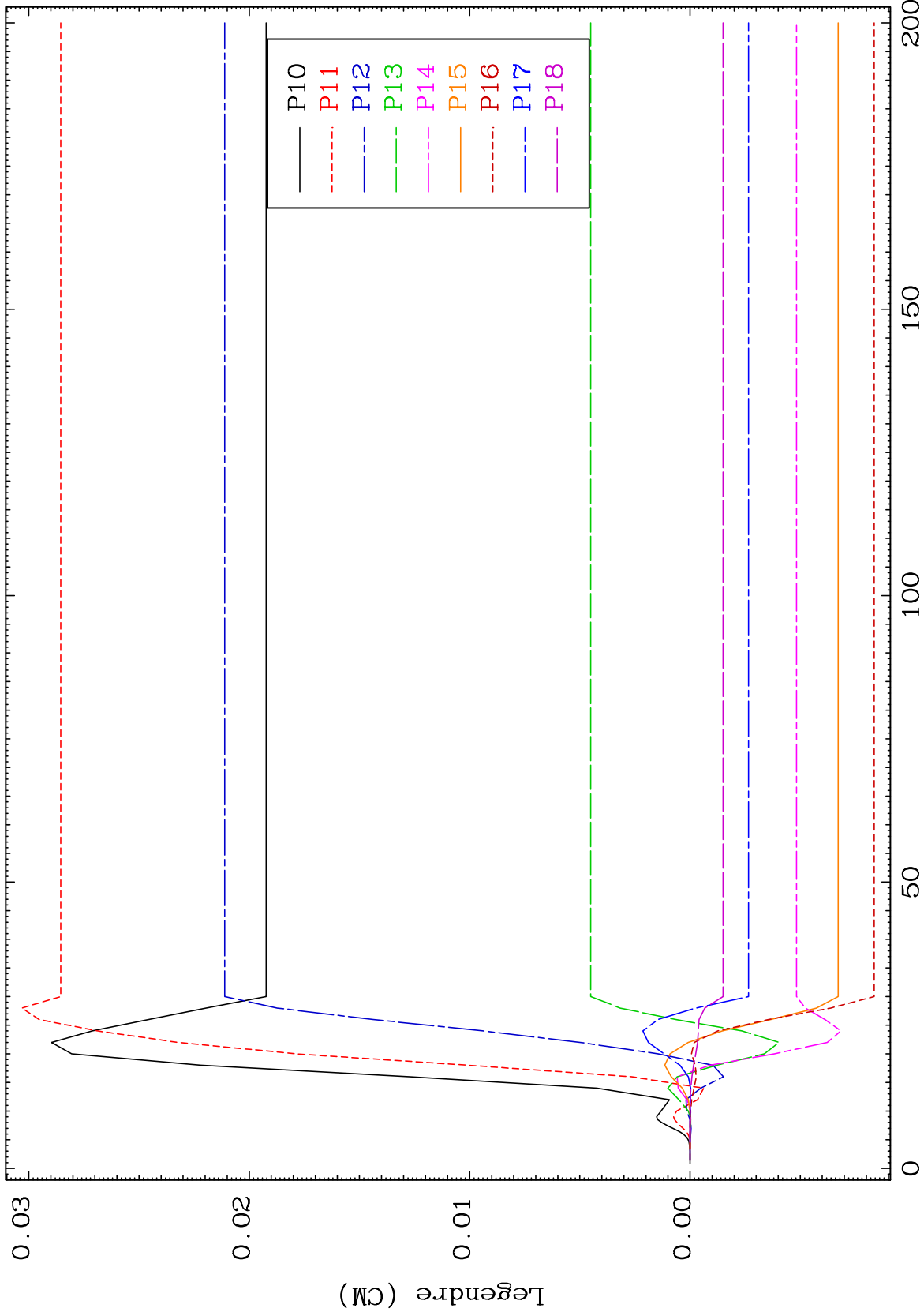
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



59

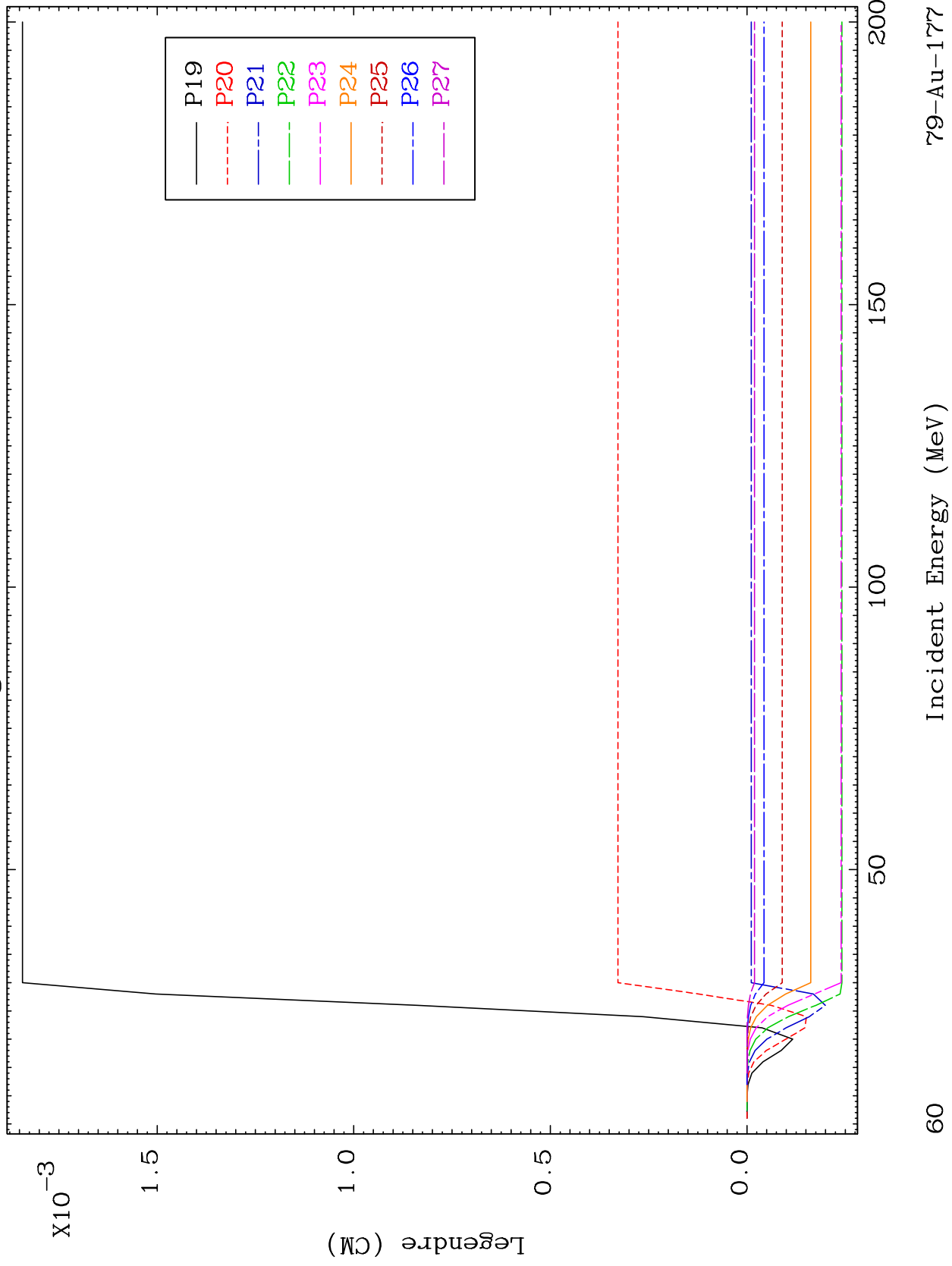
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



79-Au-177

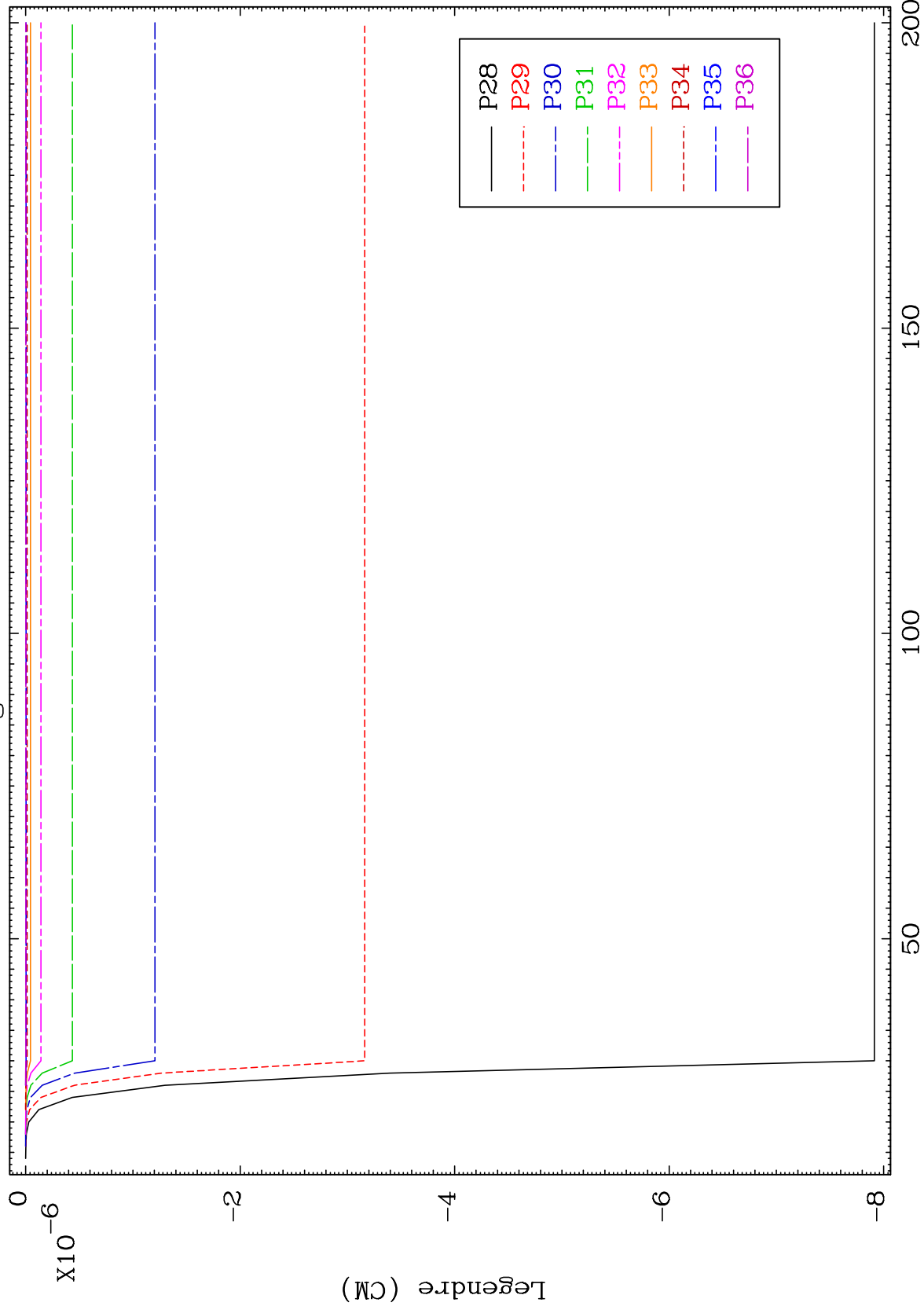
Incident Energy (MeV)

60

MAT 7865

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

79-Au-177



79-Au-177

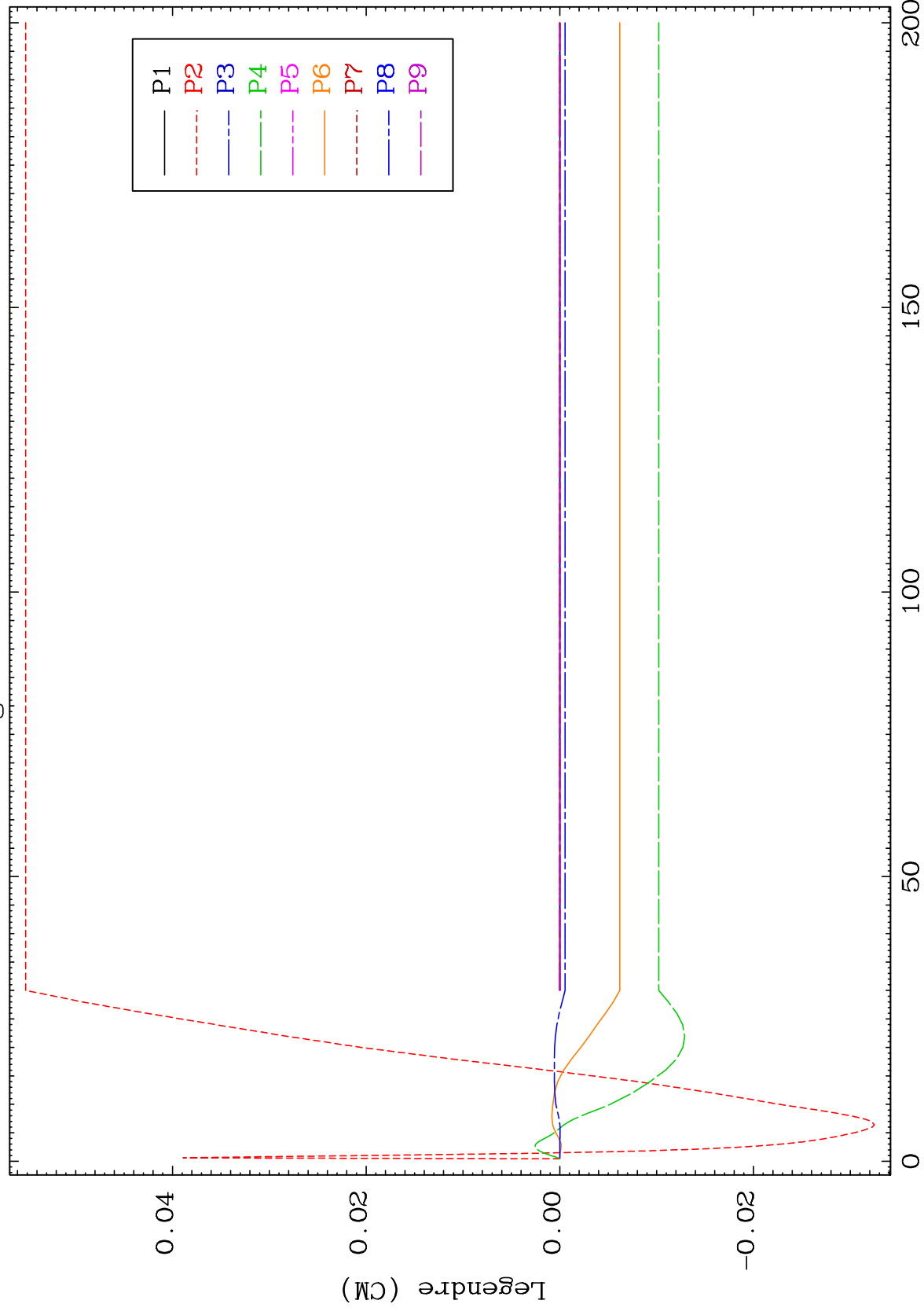
Incident Energy (MeV)

61

MAT 7865

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

79-Au-177



79-Au-177

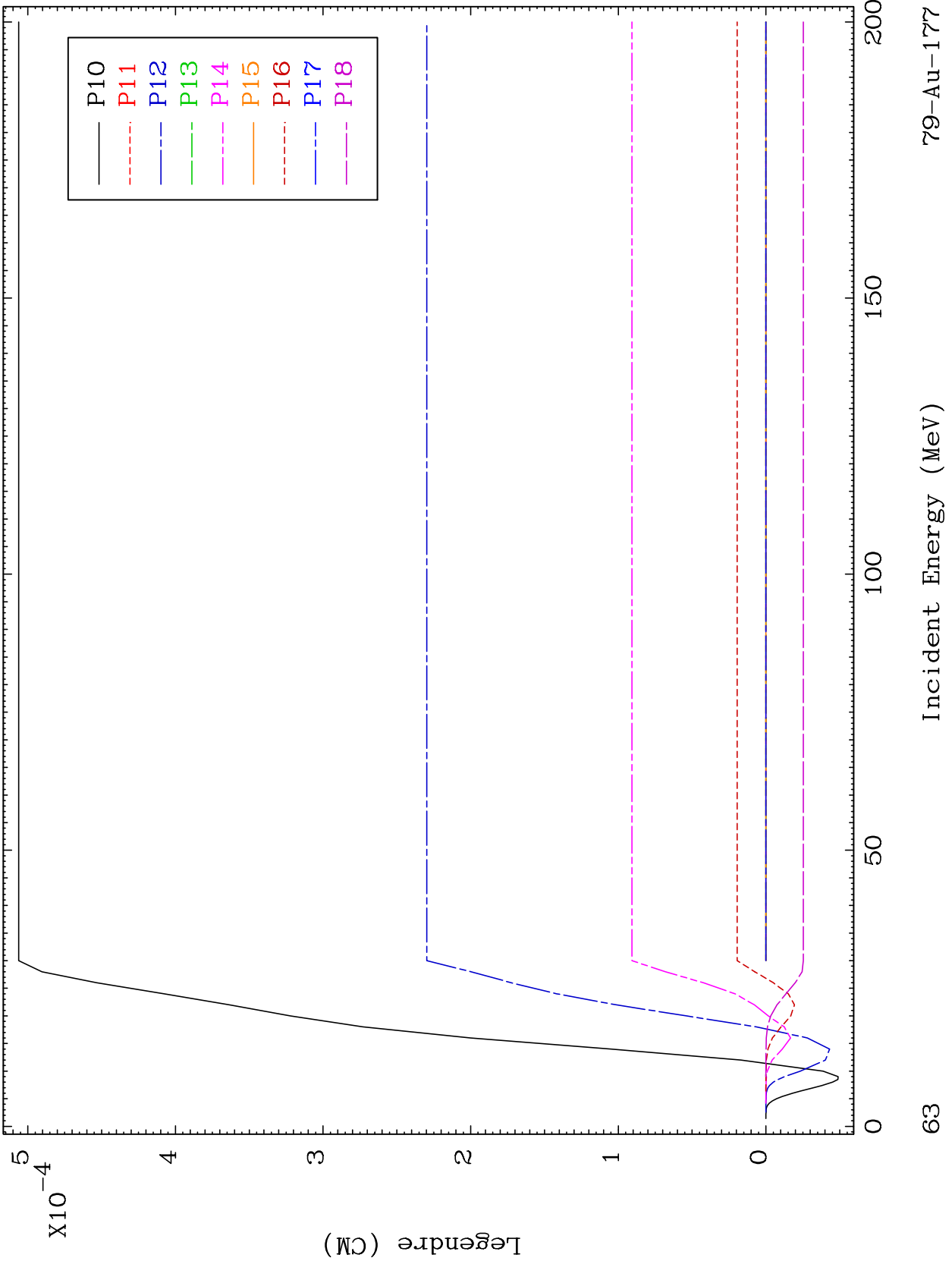
Incident Energy (MeV)

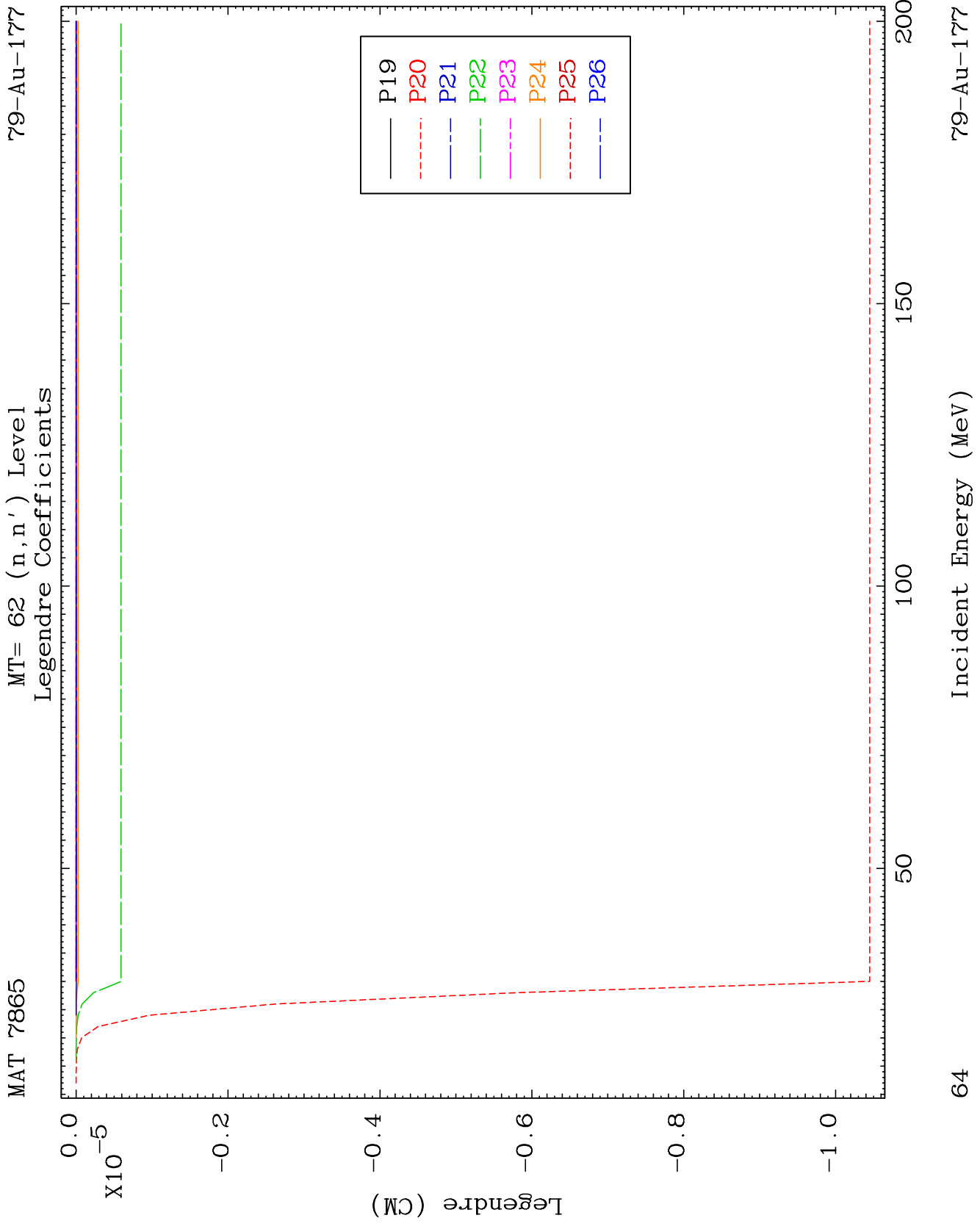
62

MAT 7865

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

79-Au-177

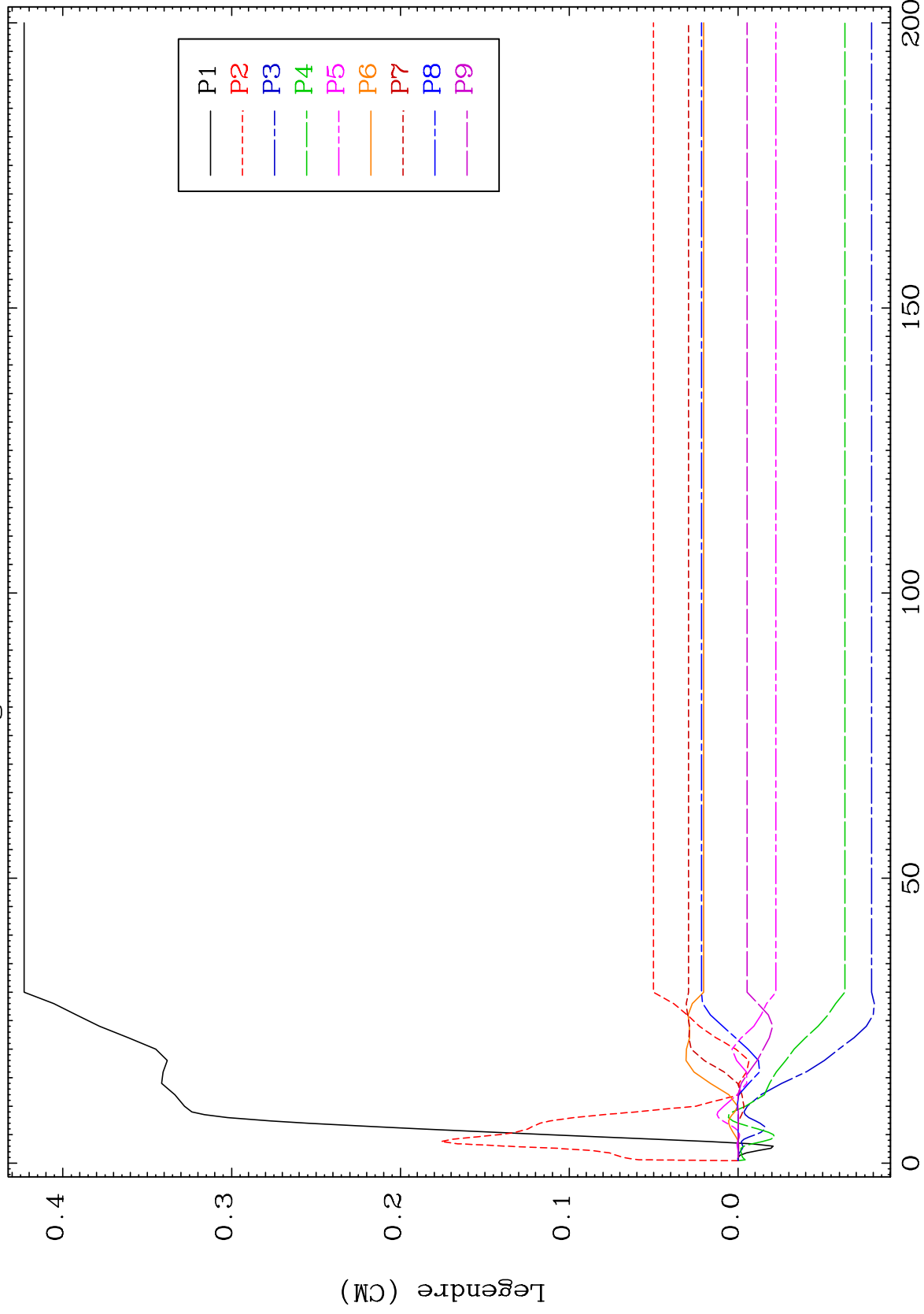




MAT 7865

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

79-Au-177



65

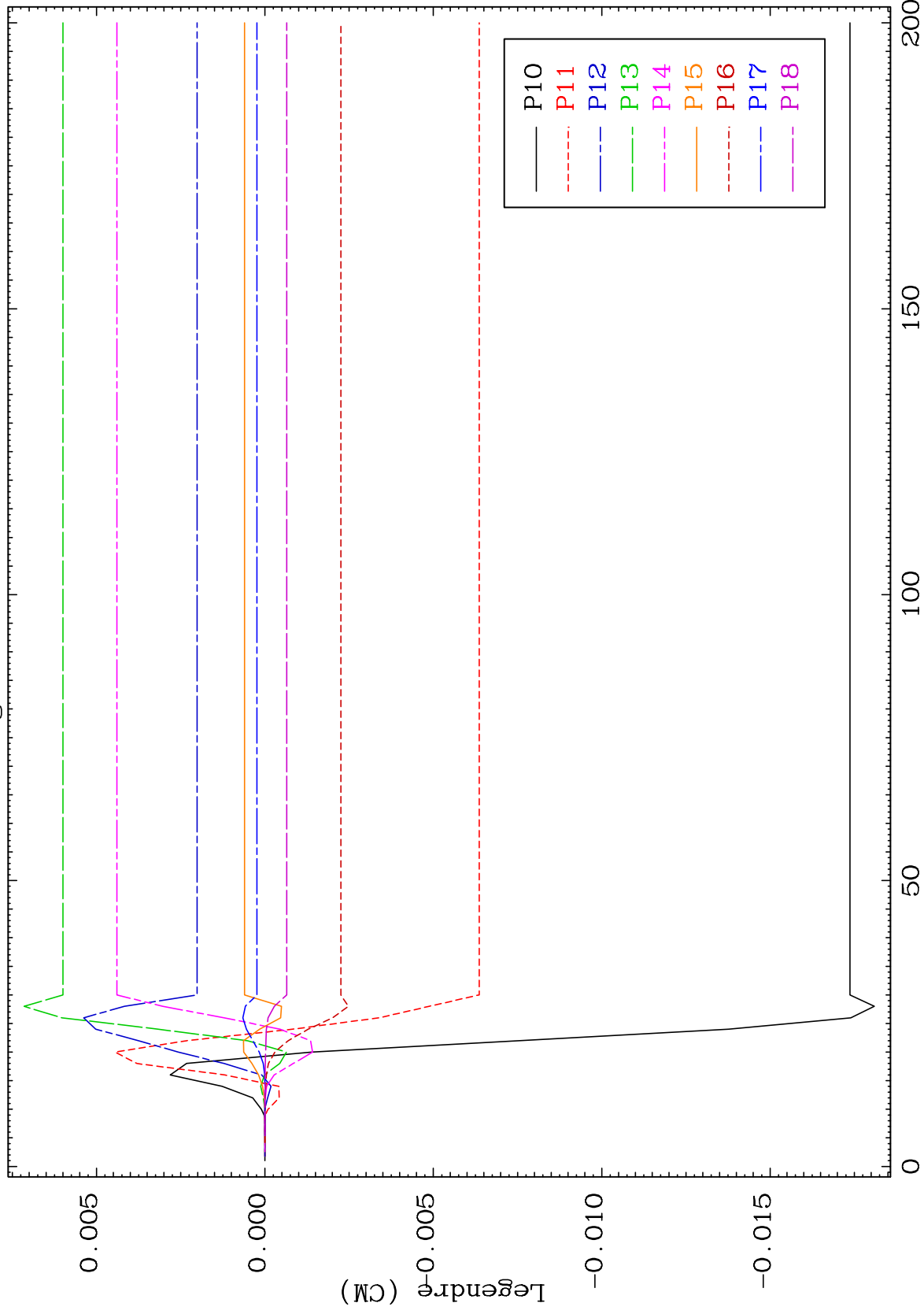
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



66

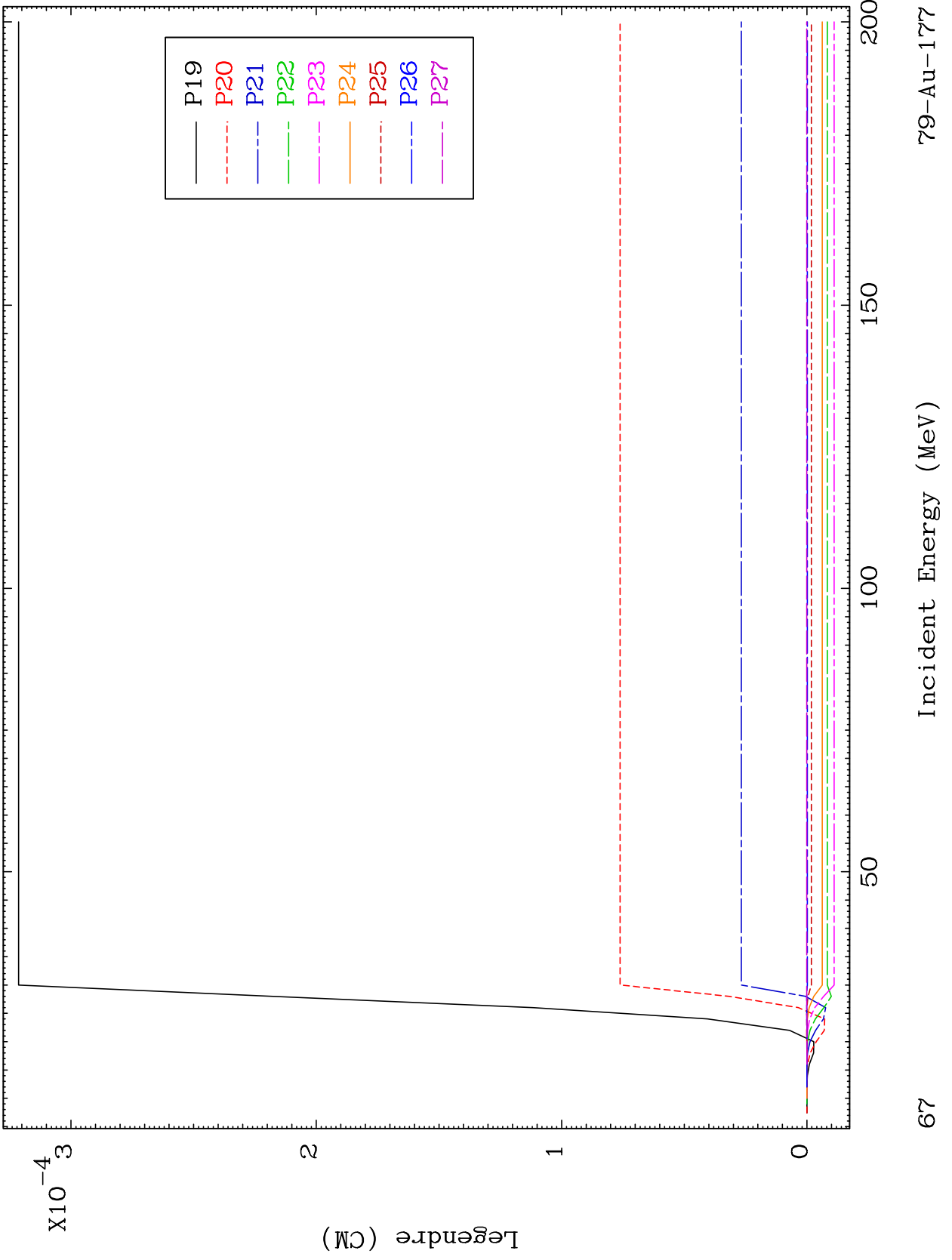
Incident Energy (MeV)

79-Au-177

MAT 7865

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

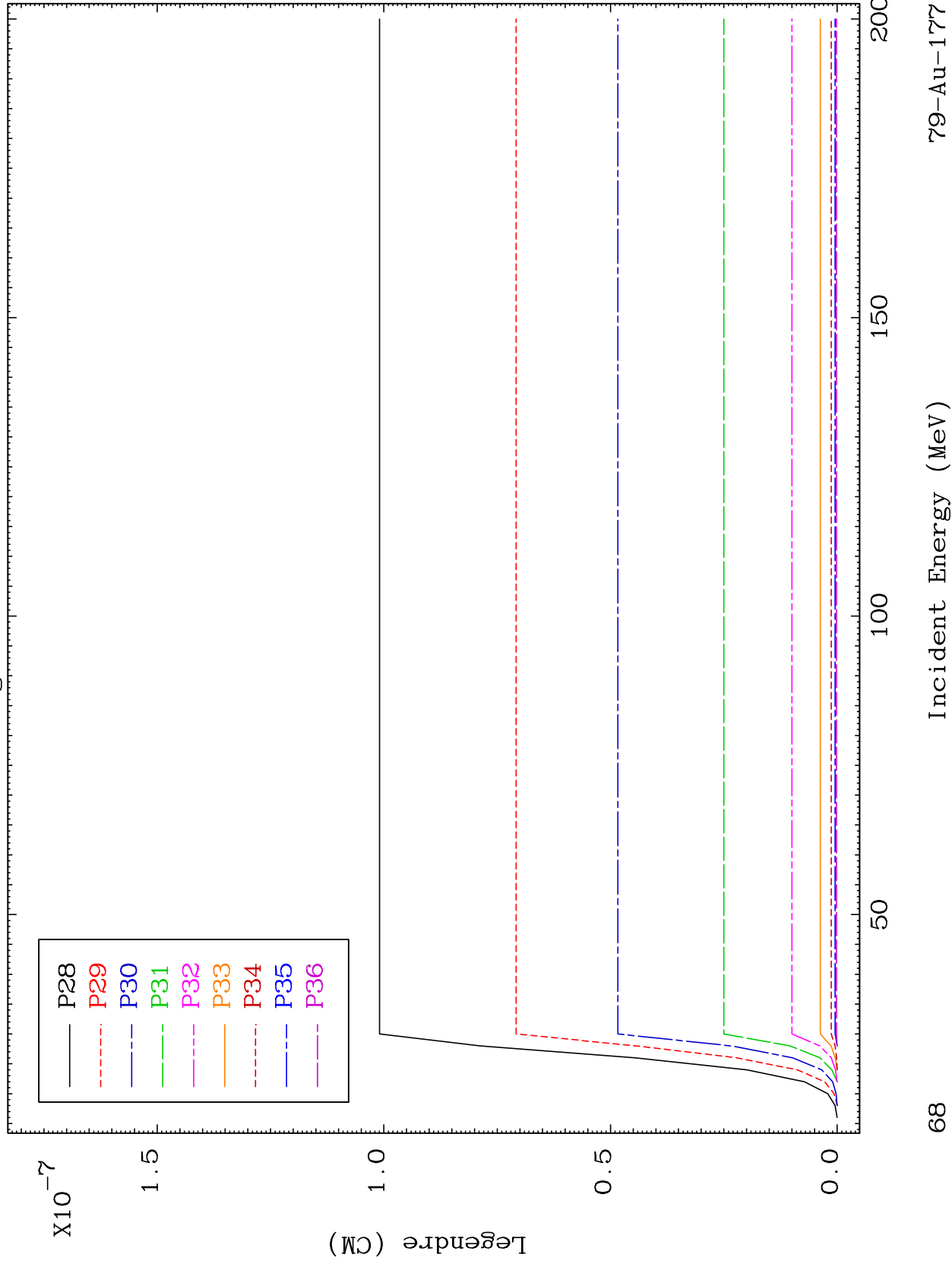
79-Au-177



MAT 7865

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

79-Au-177



68

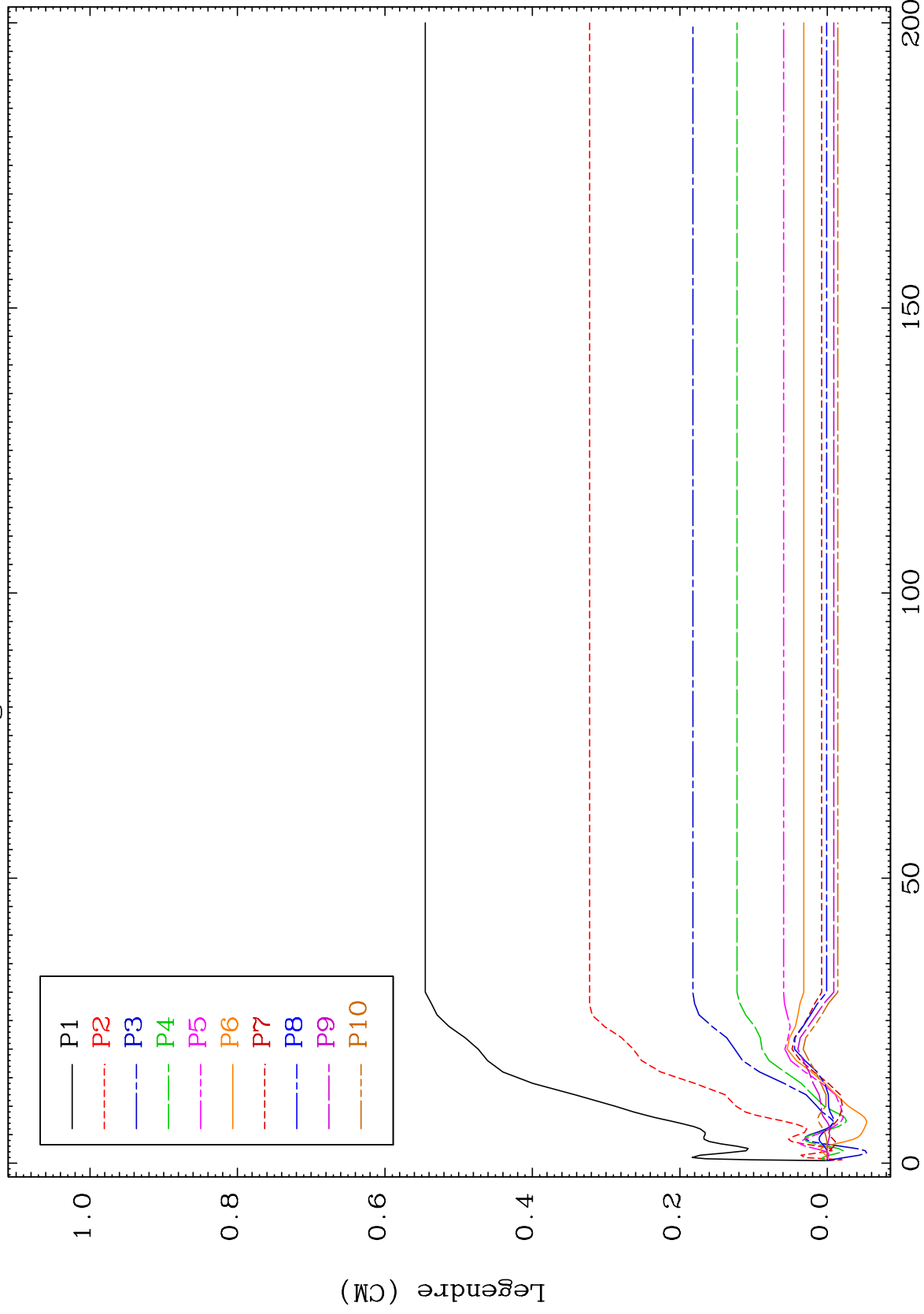
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



69

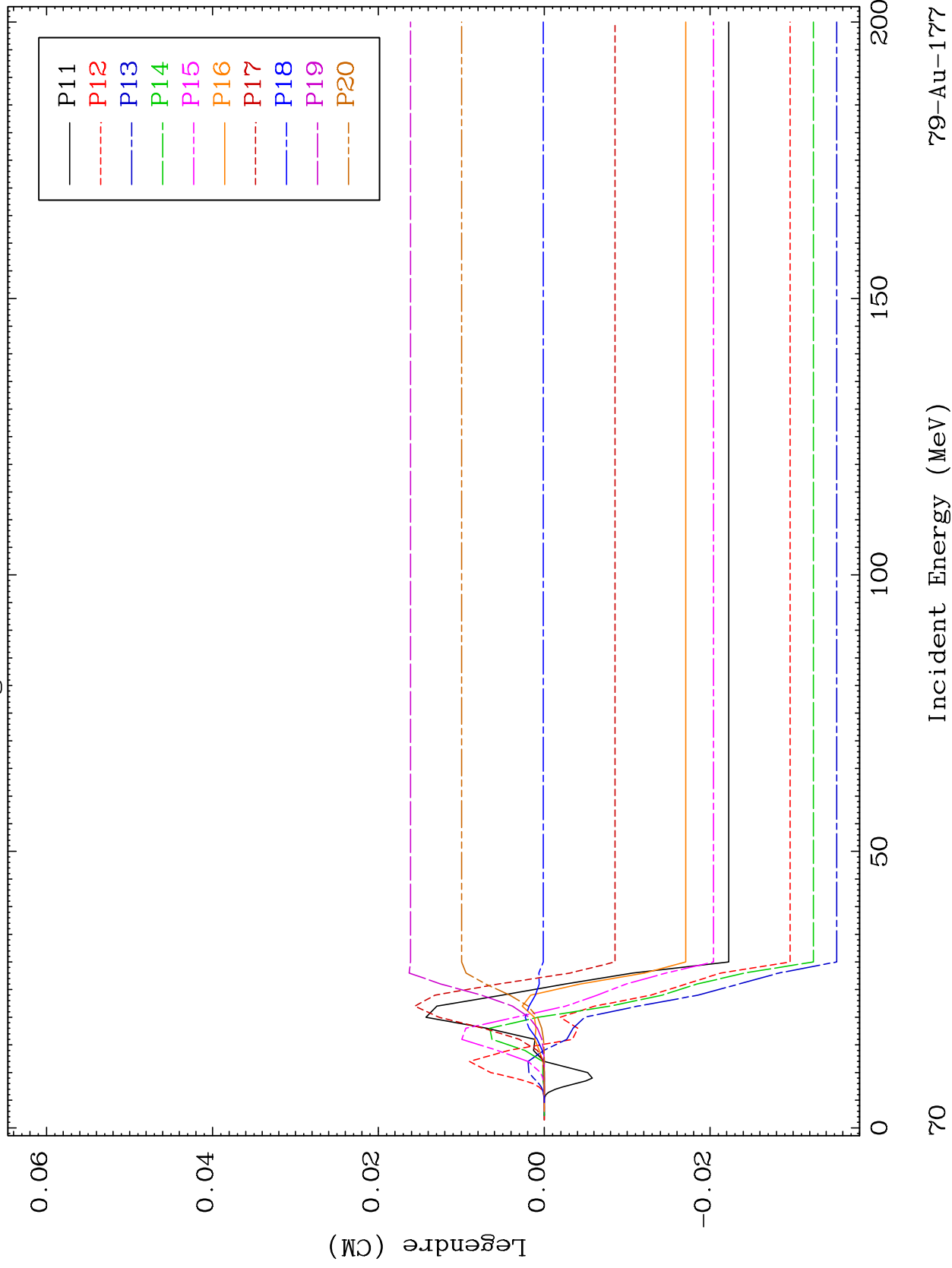
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



79-Au-177

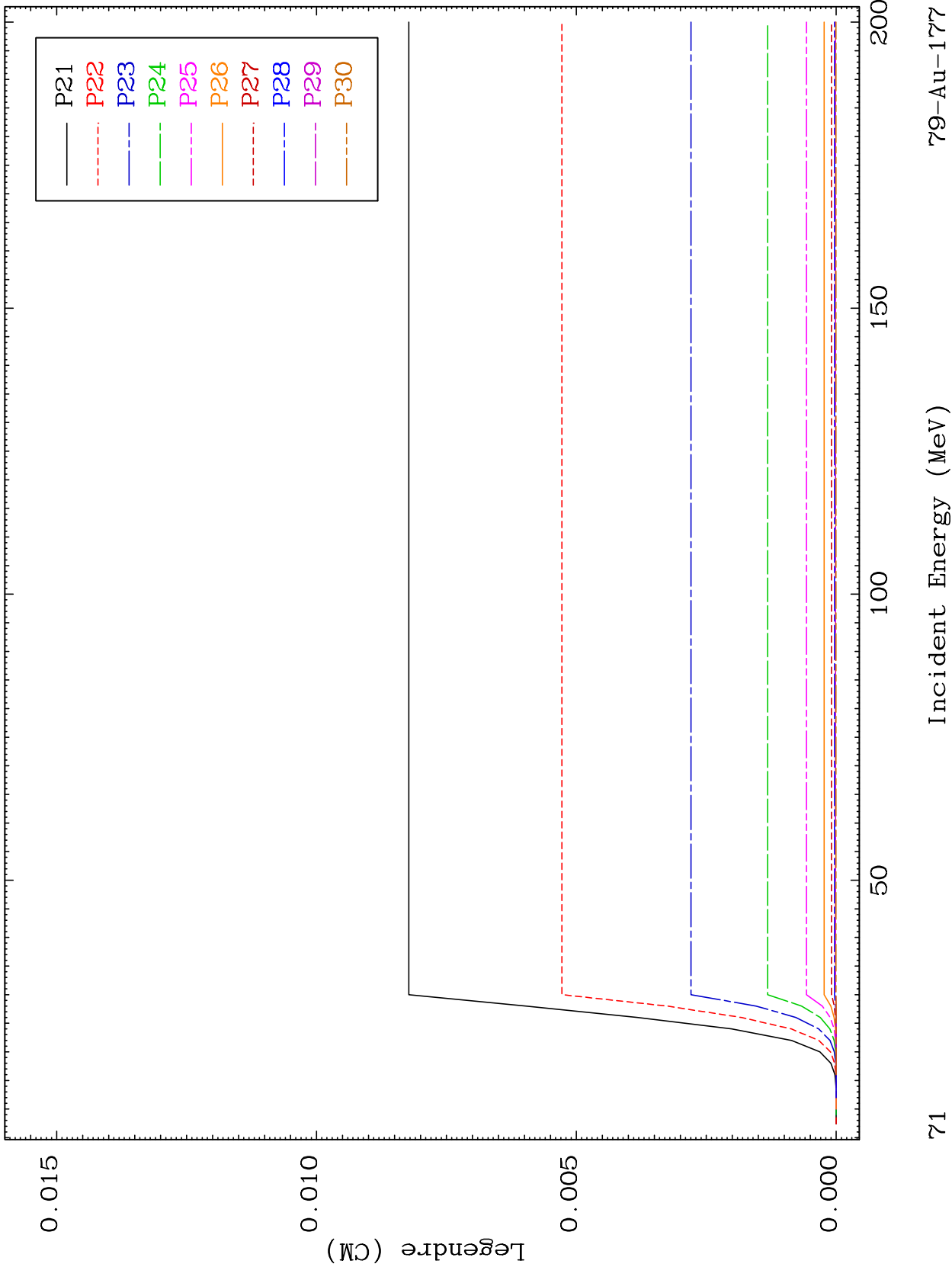
Incident Energy (MeV)

70

MAT 7865

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

79-Au-177



71

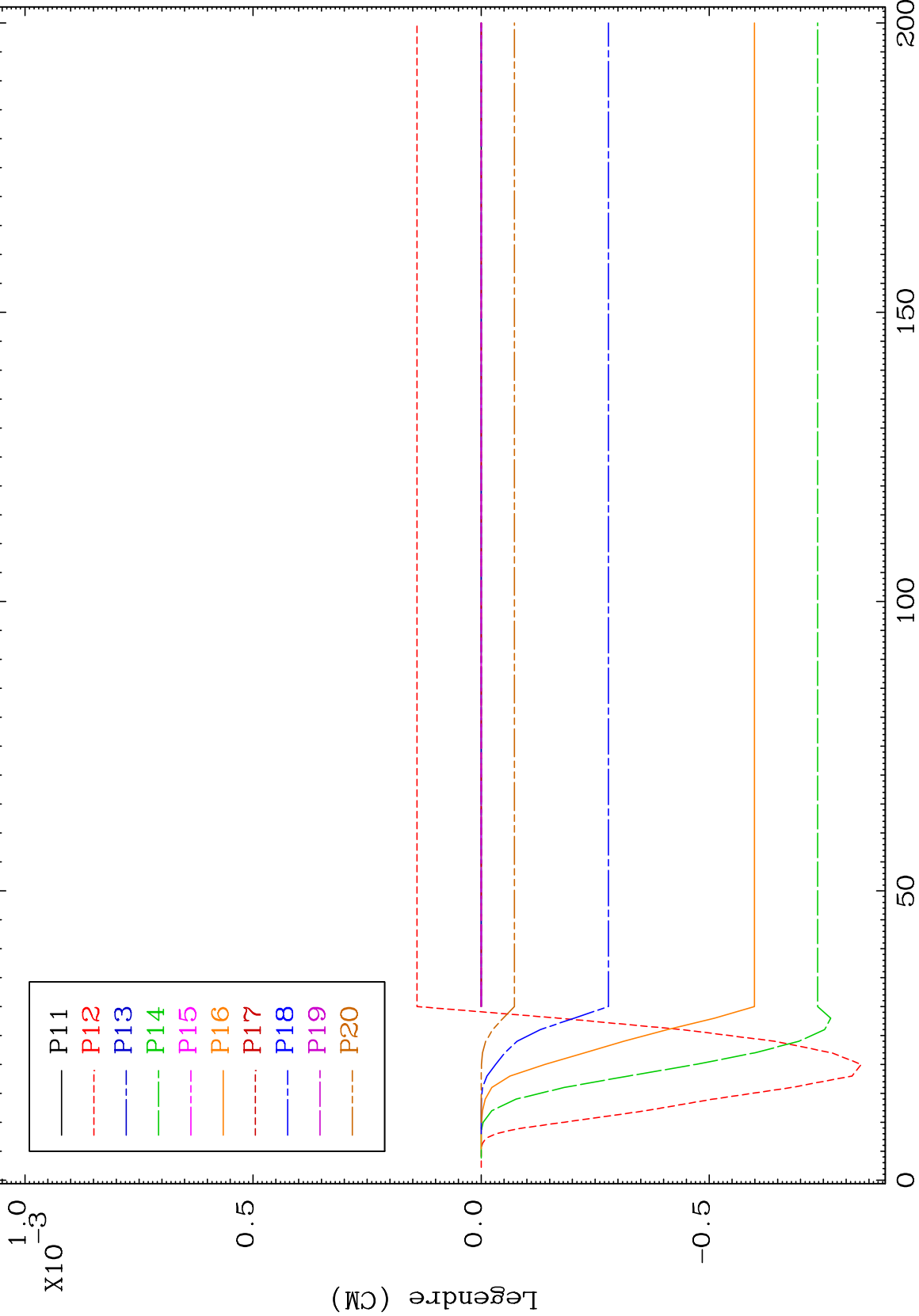
Incident Energy (MeV)

79-Au-177

MAT 7865

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

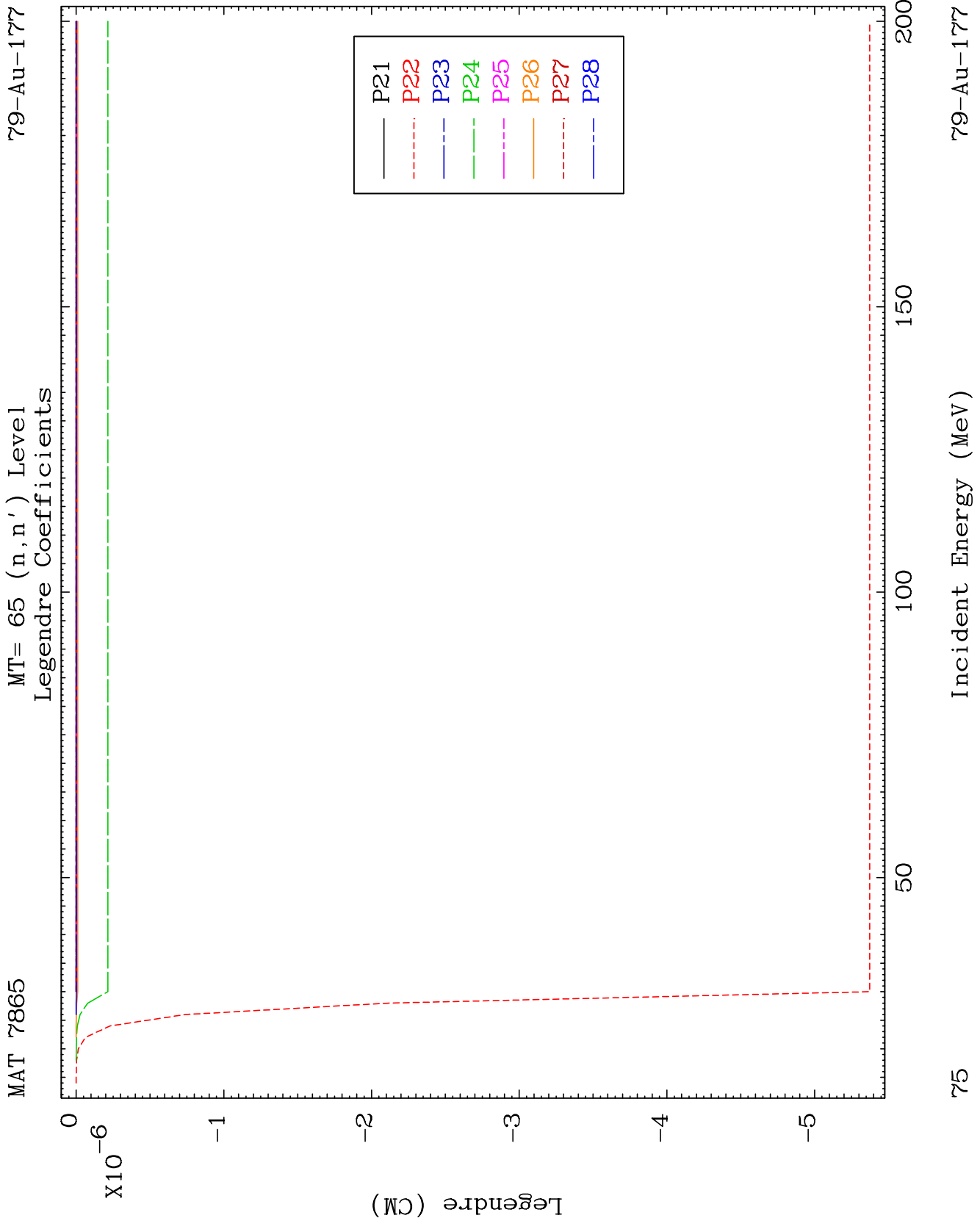
79-Au-177



74

Incident Energy (MeV)

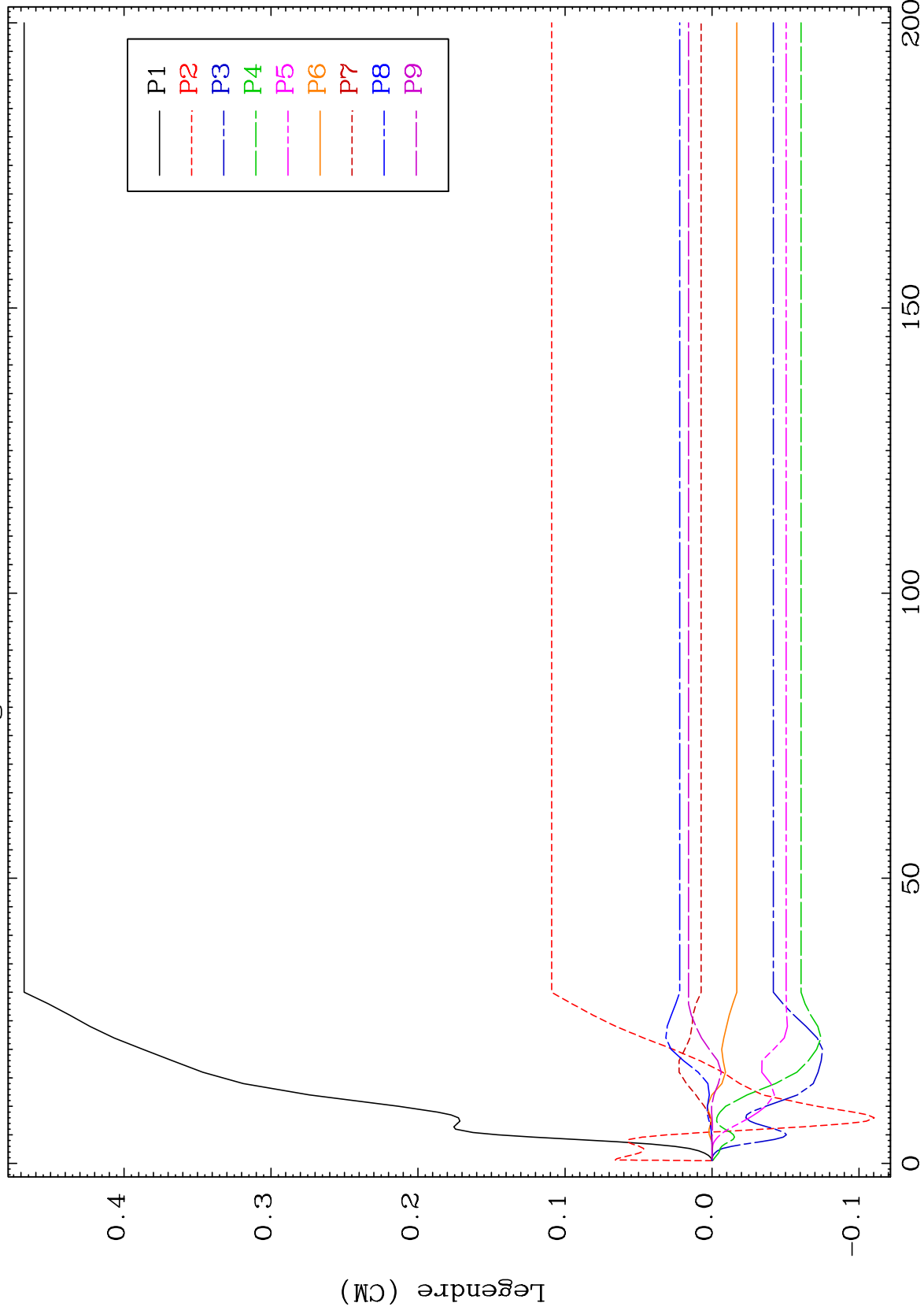
79-Au-177



MAT 7865

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

79-Au-177



76

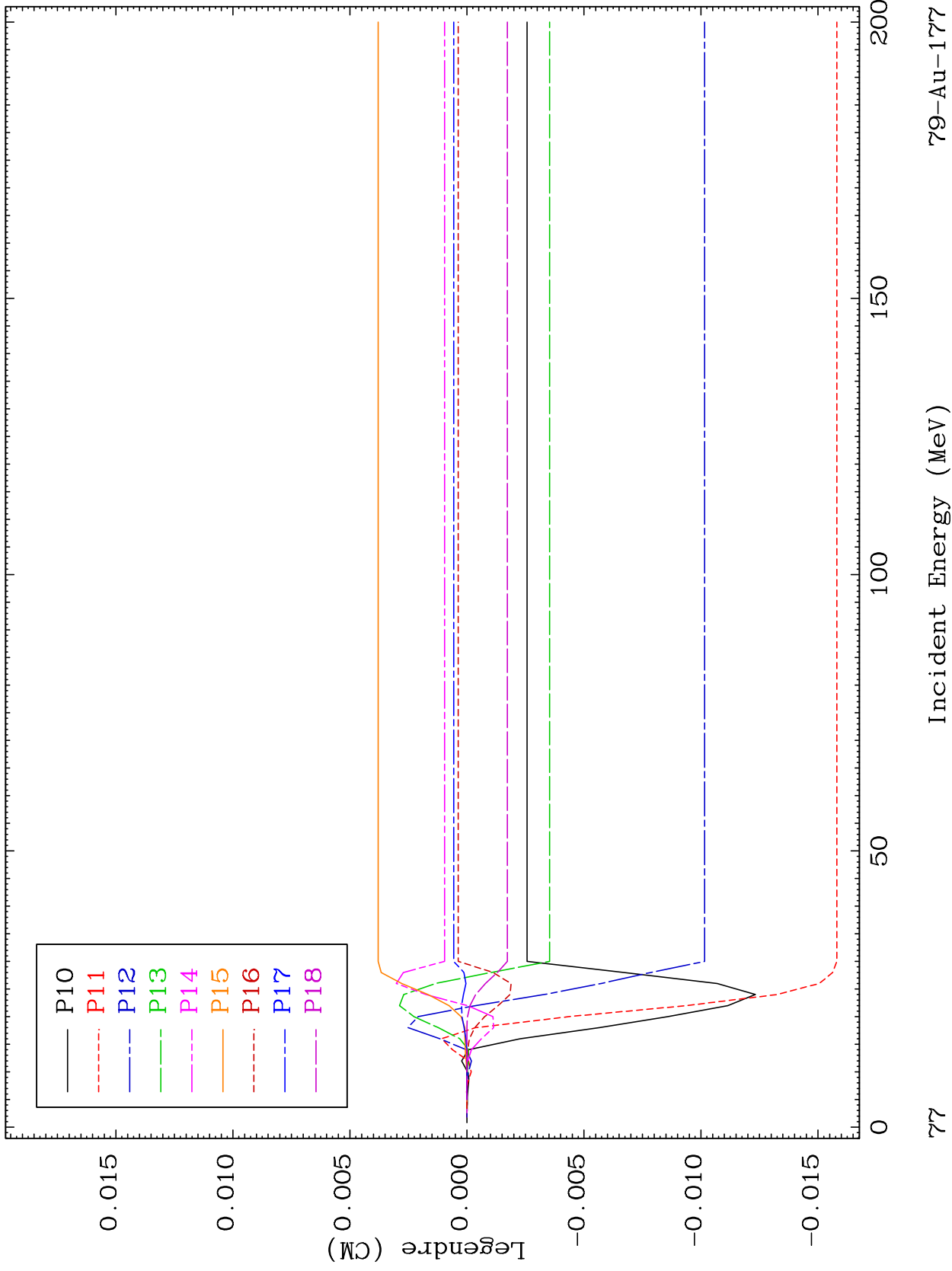
Incident Energy (MeV)

79-Au-177

MAT 7865

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

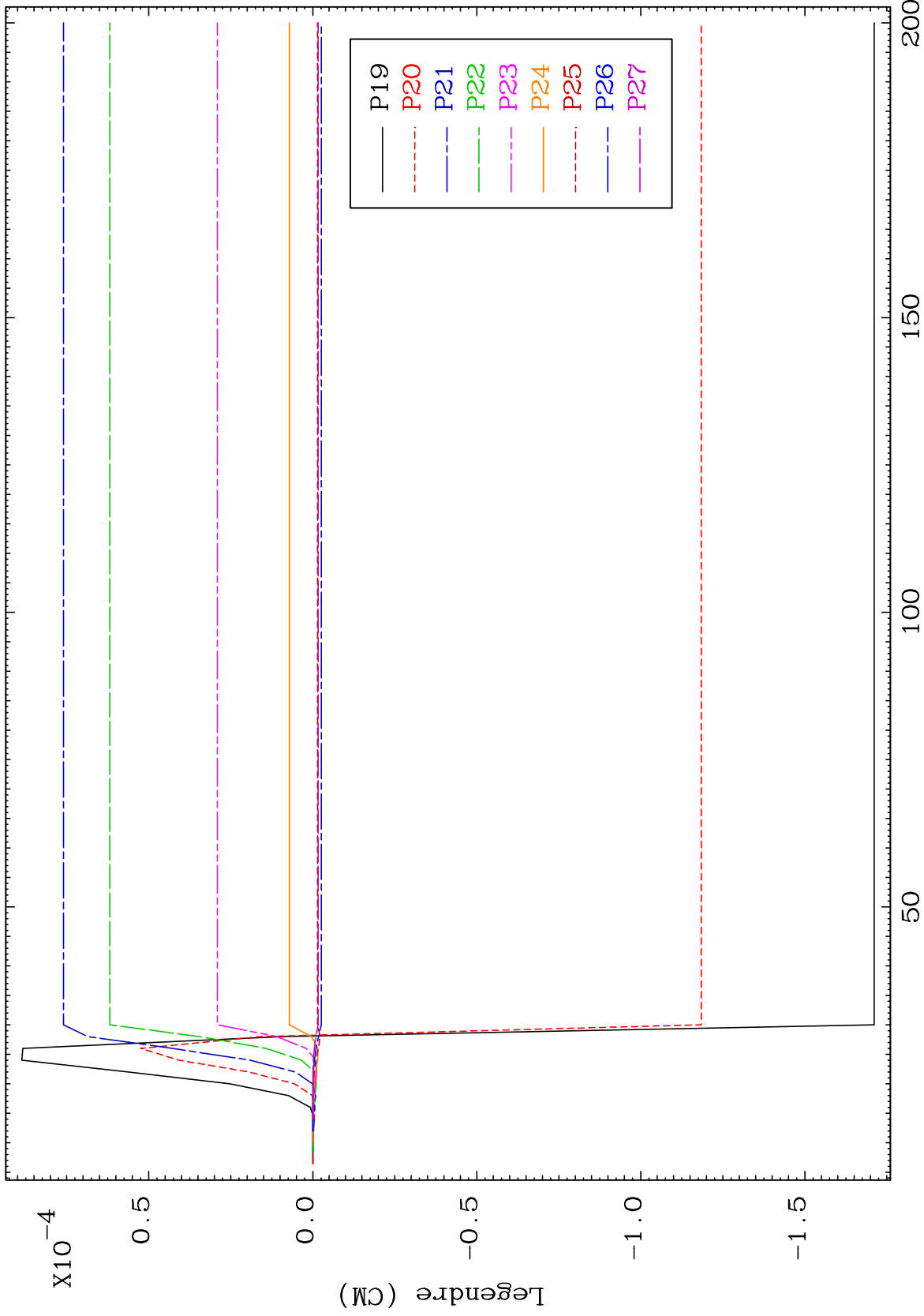
79-Au-177



77

Incident Energy (MeV)

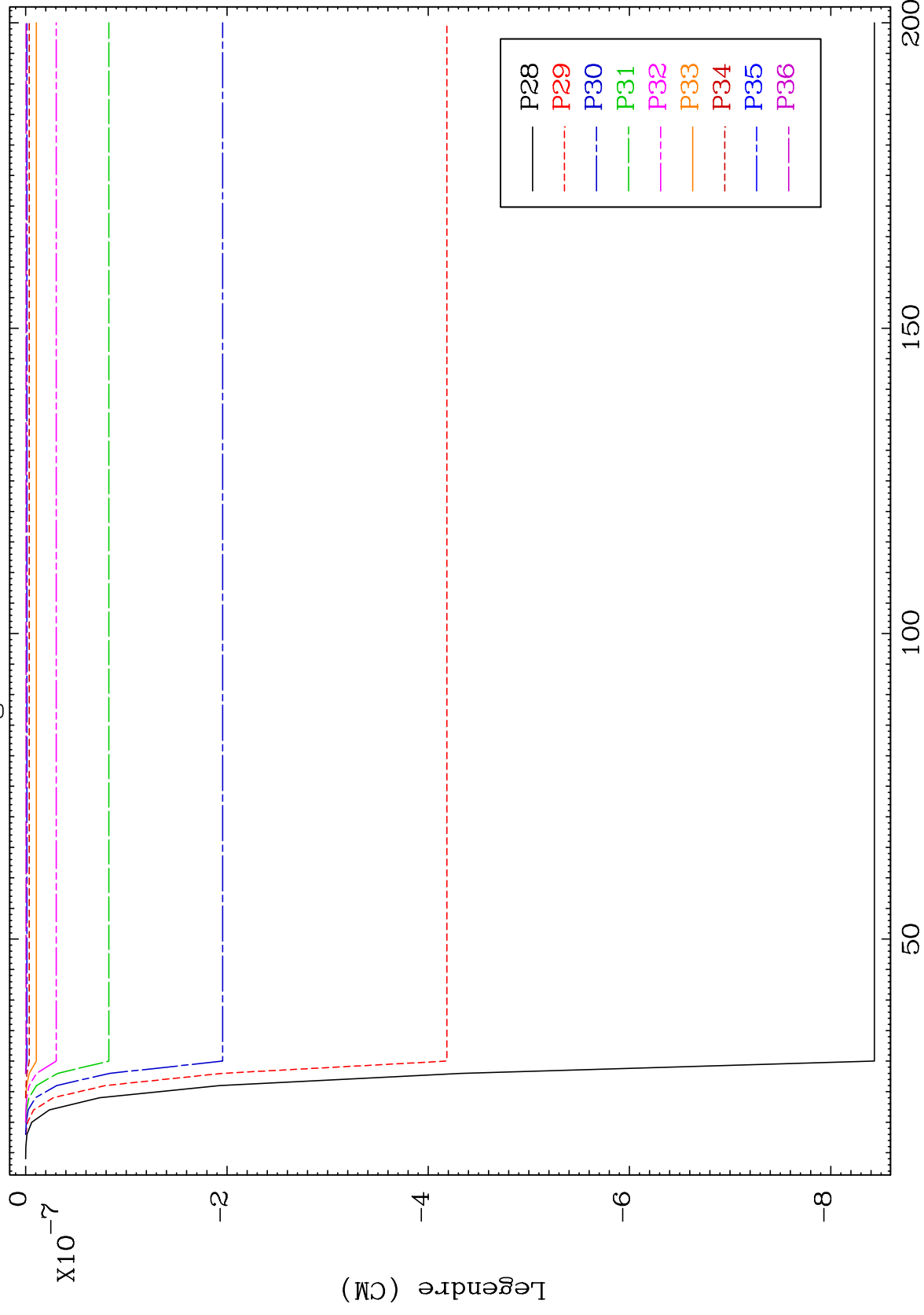
79-Au-177



MAT 7865

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

79-Au-177



79

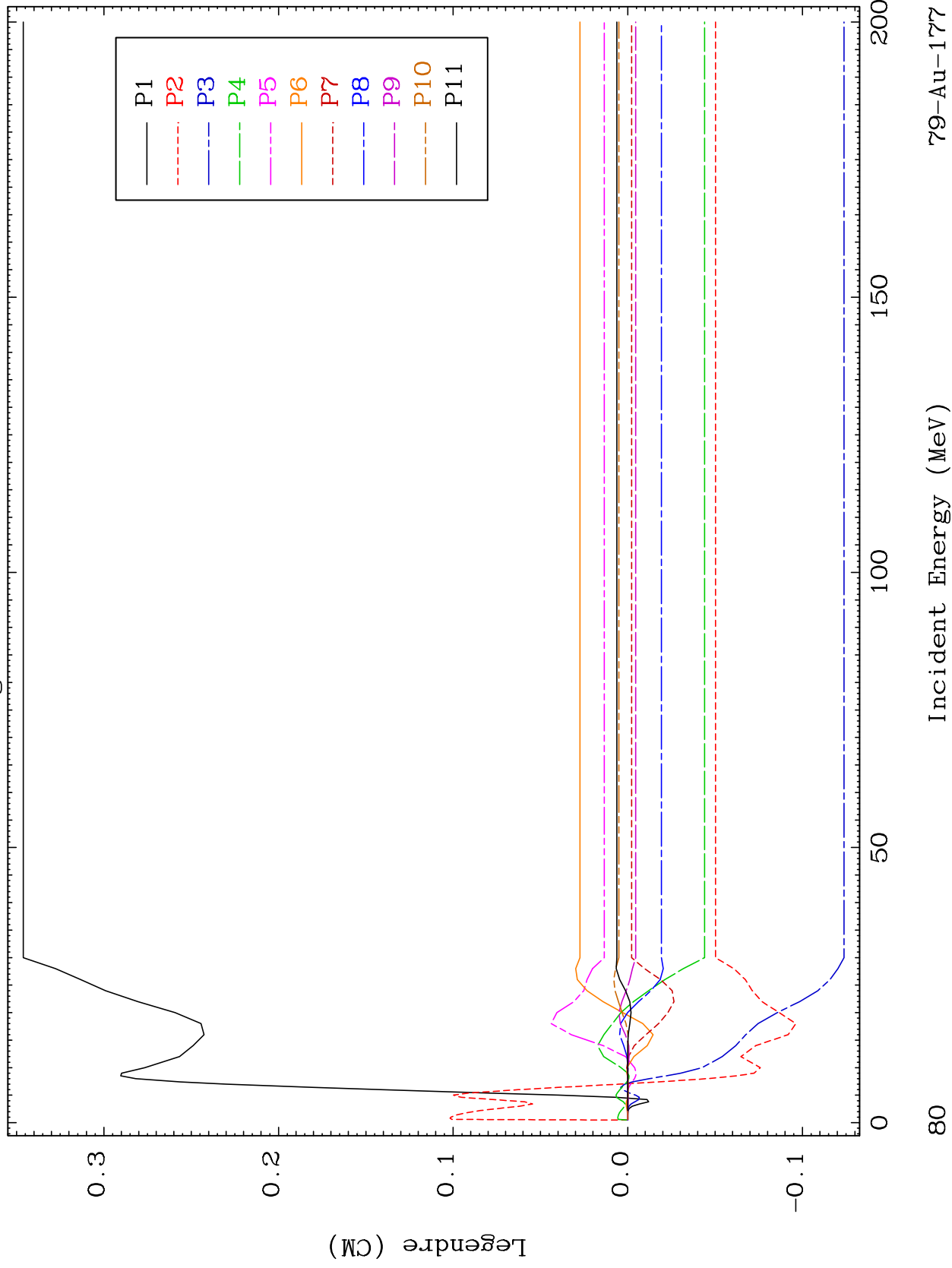
Incident Energy (MeV)

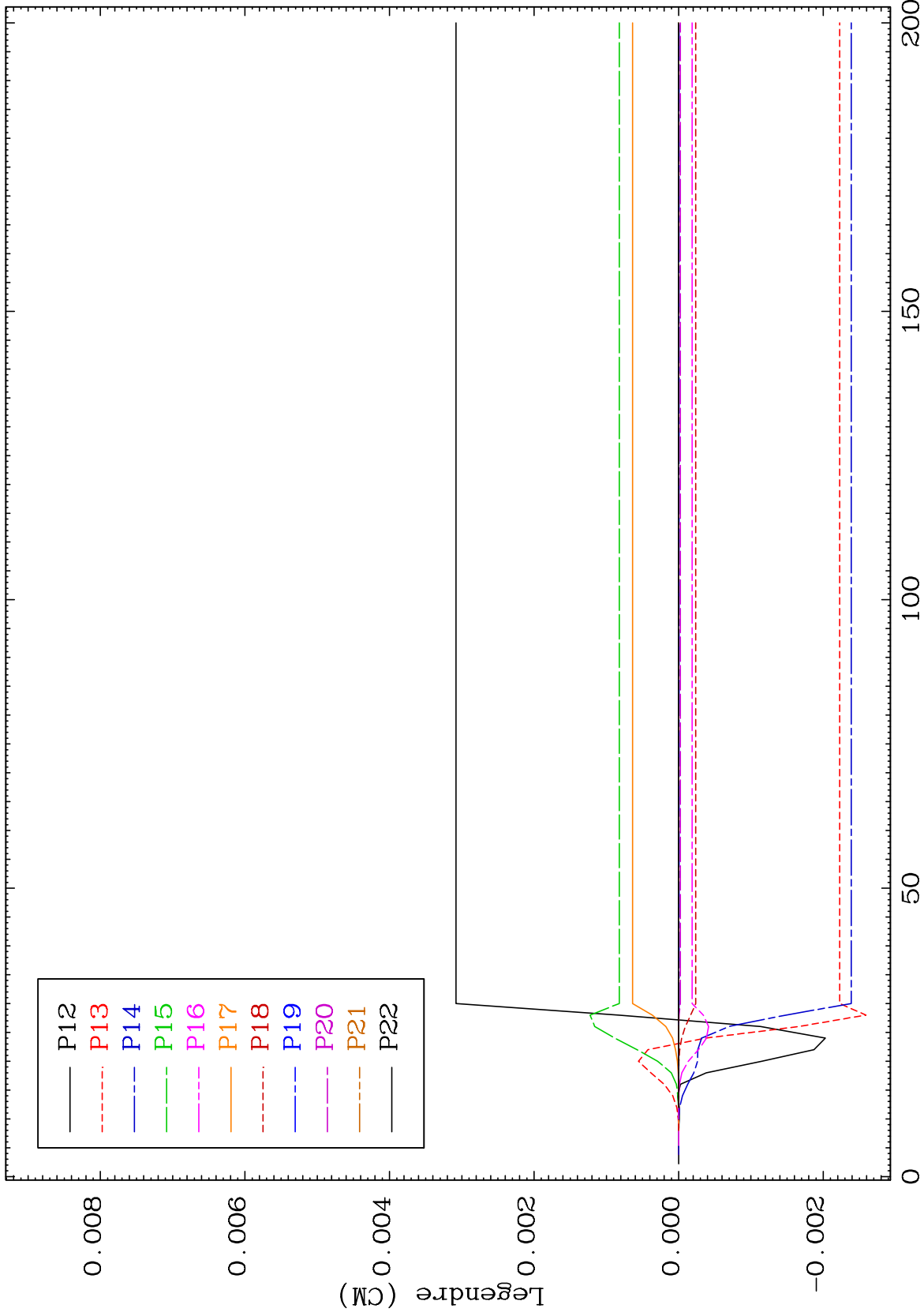
79-Au-177

MAT 7865

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

79-Au-177

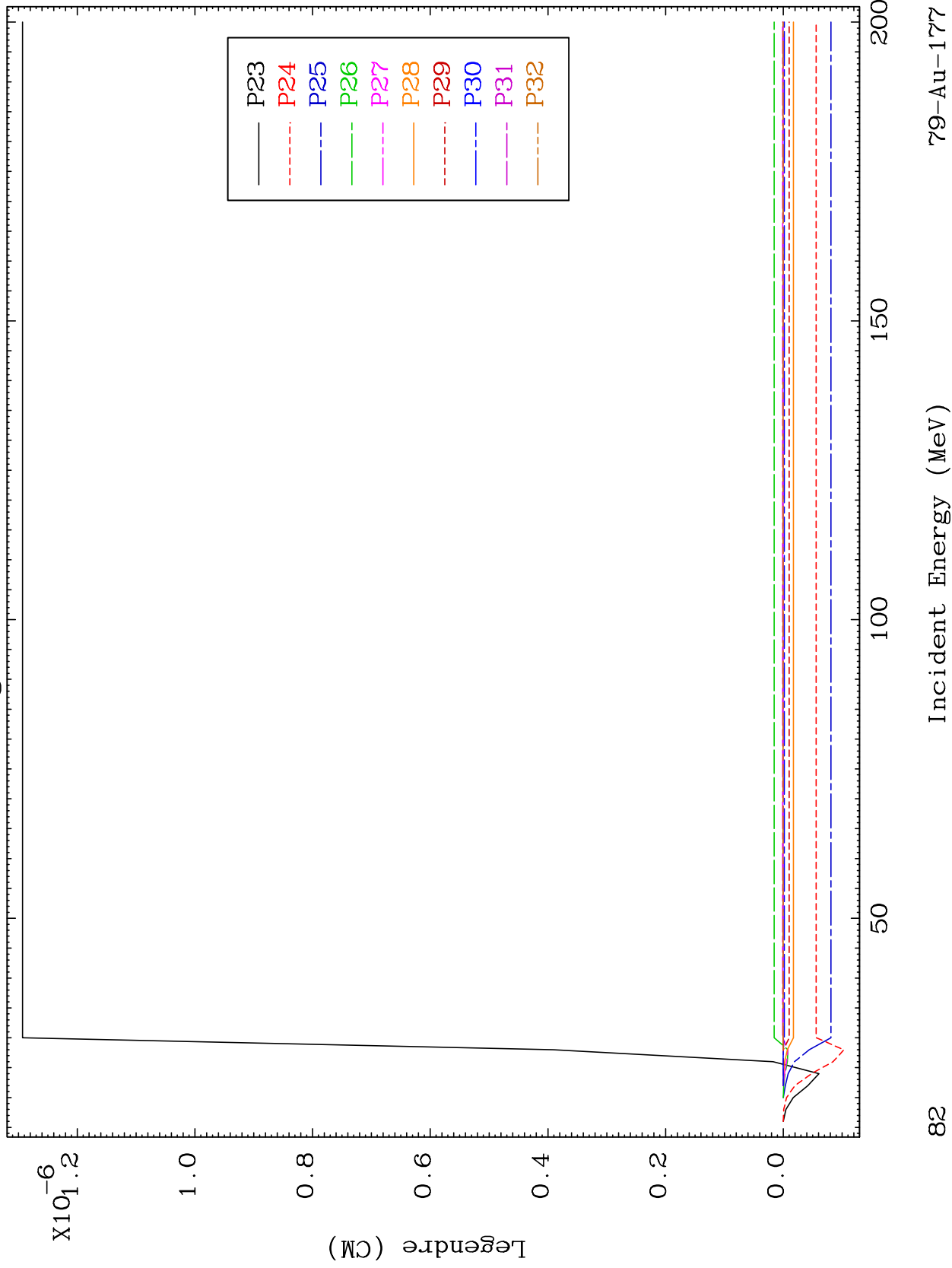




MAT 7865

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

79-Au-177



82

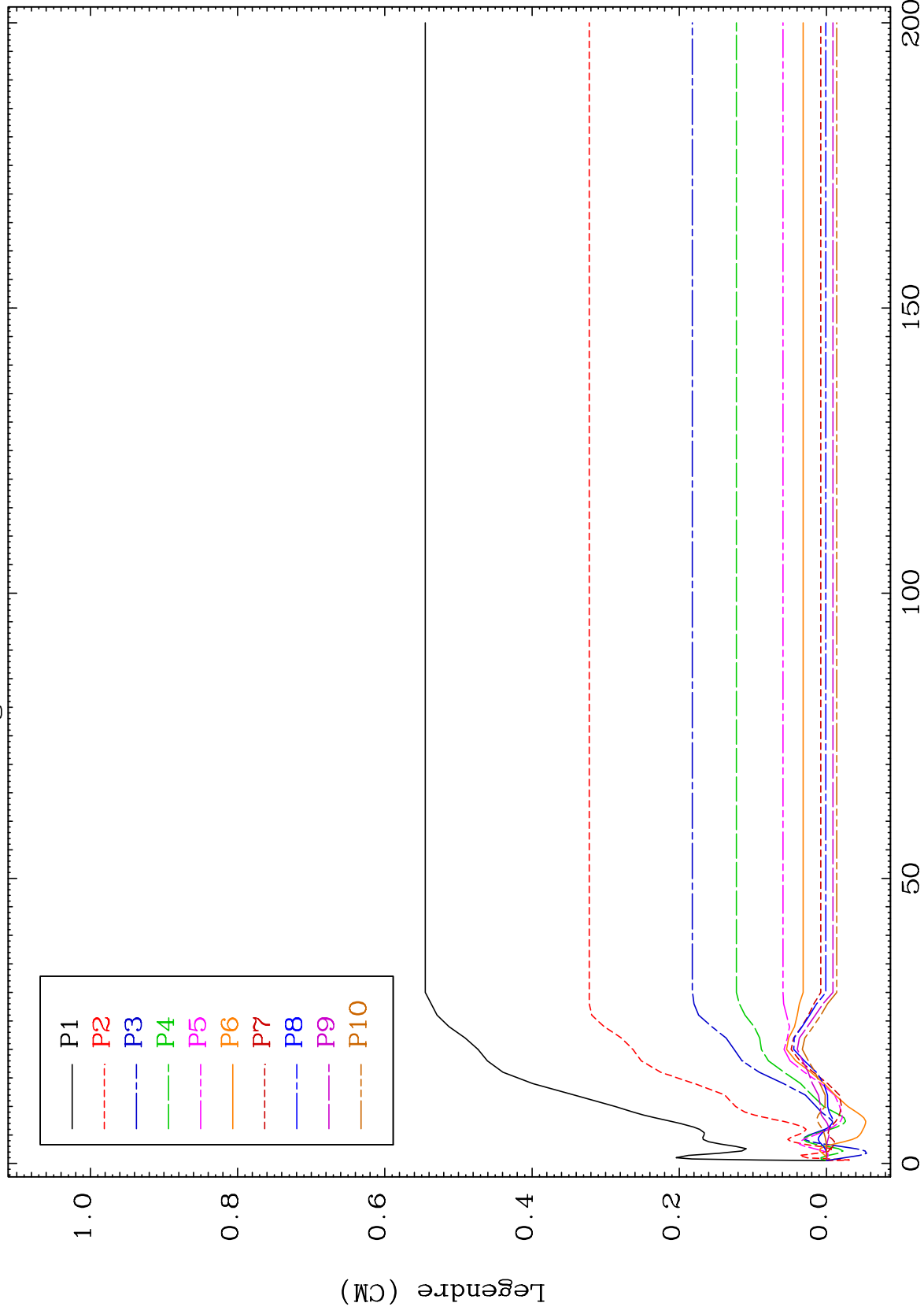
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



83

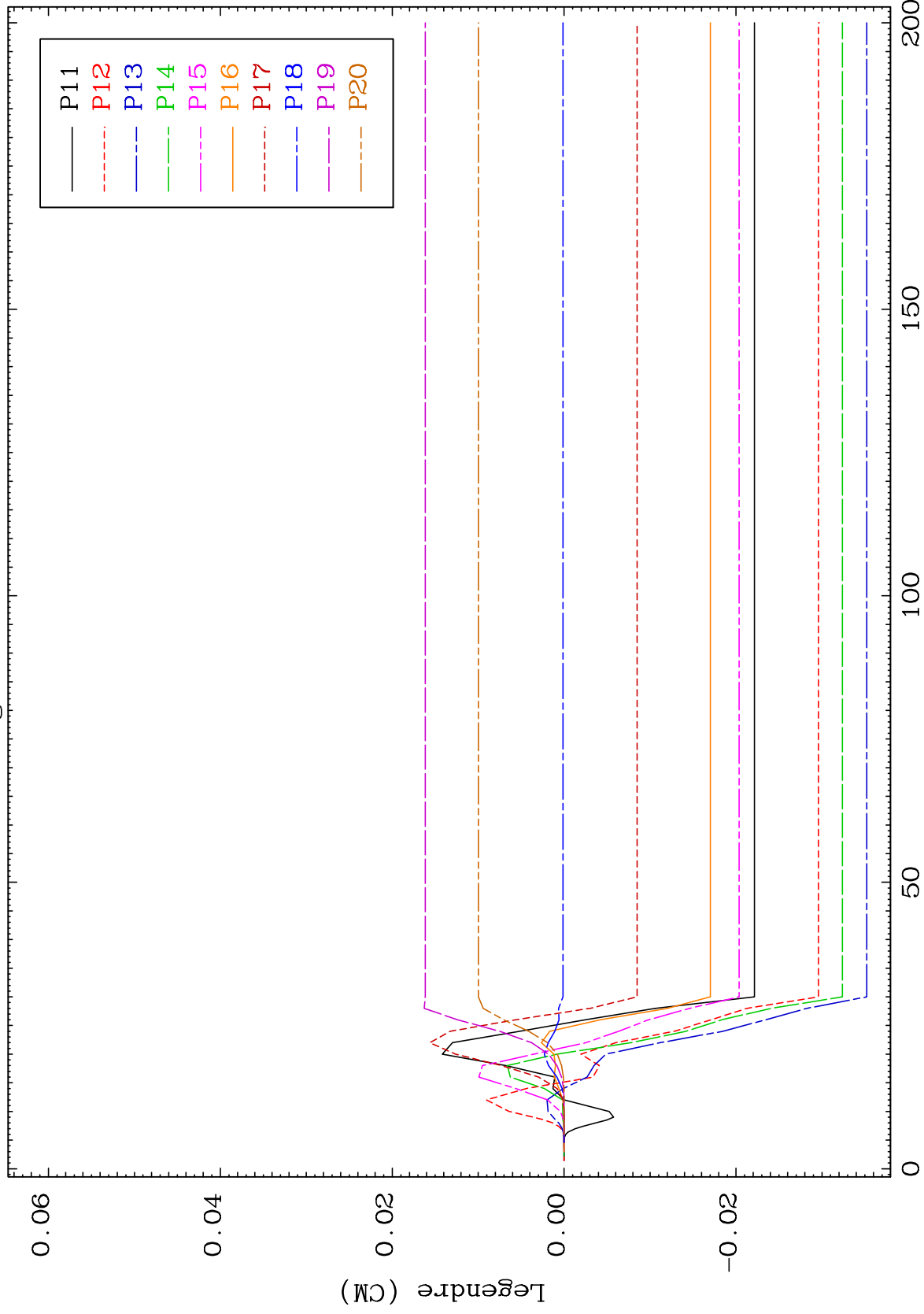
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



84

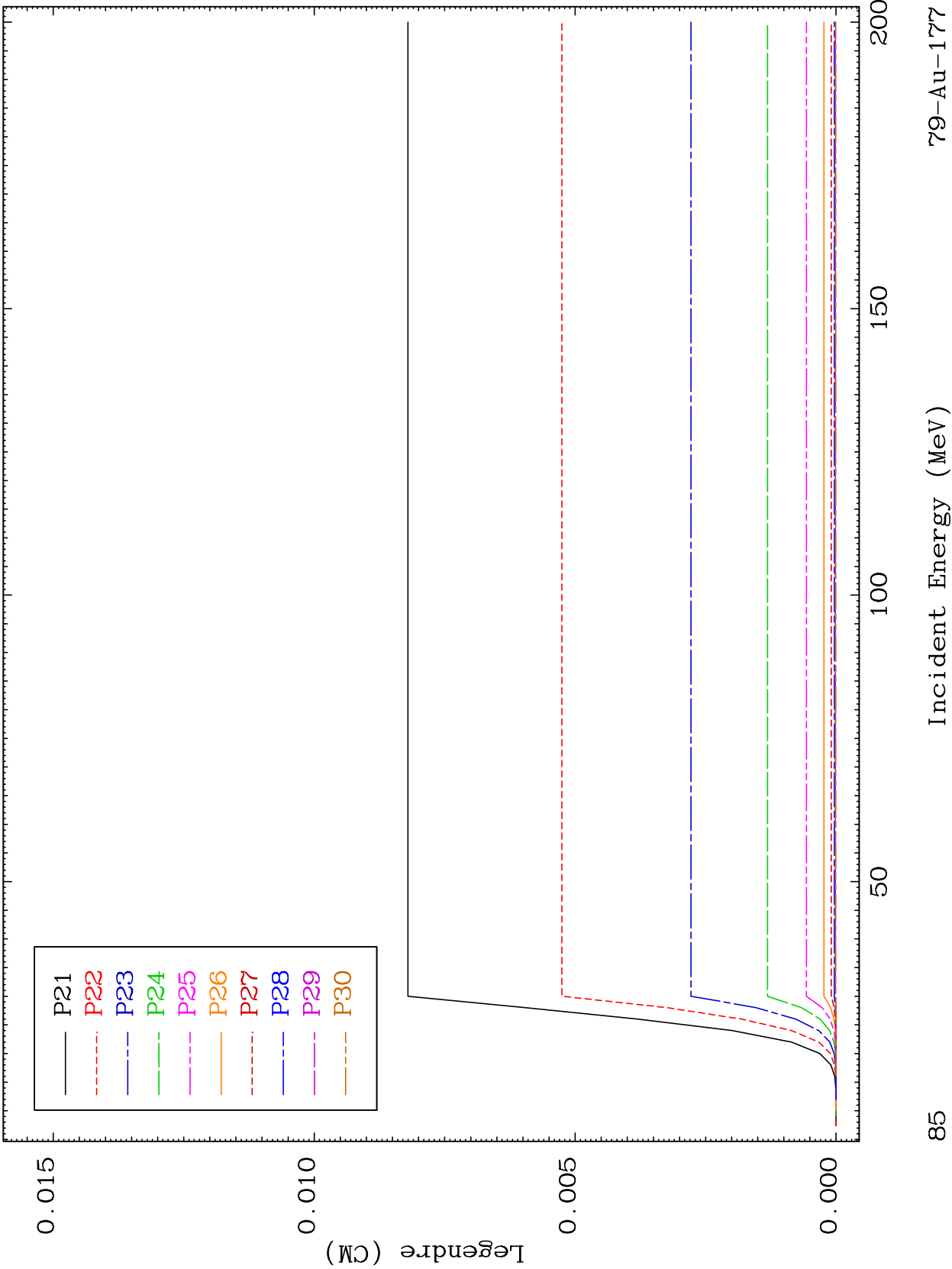
Incident Energy (MeV)

79-Au-177

MAT 7865

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

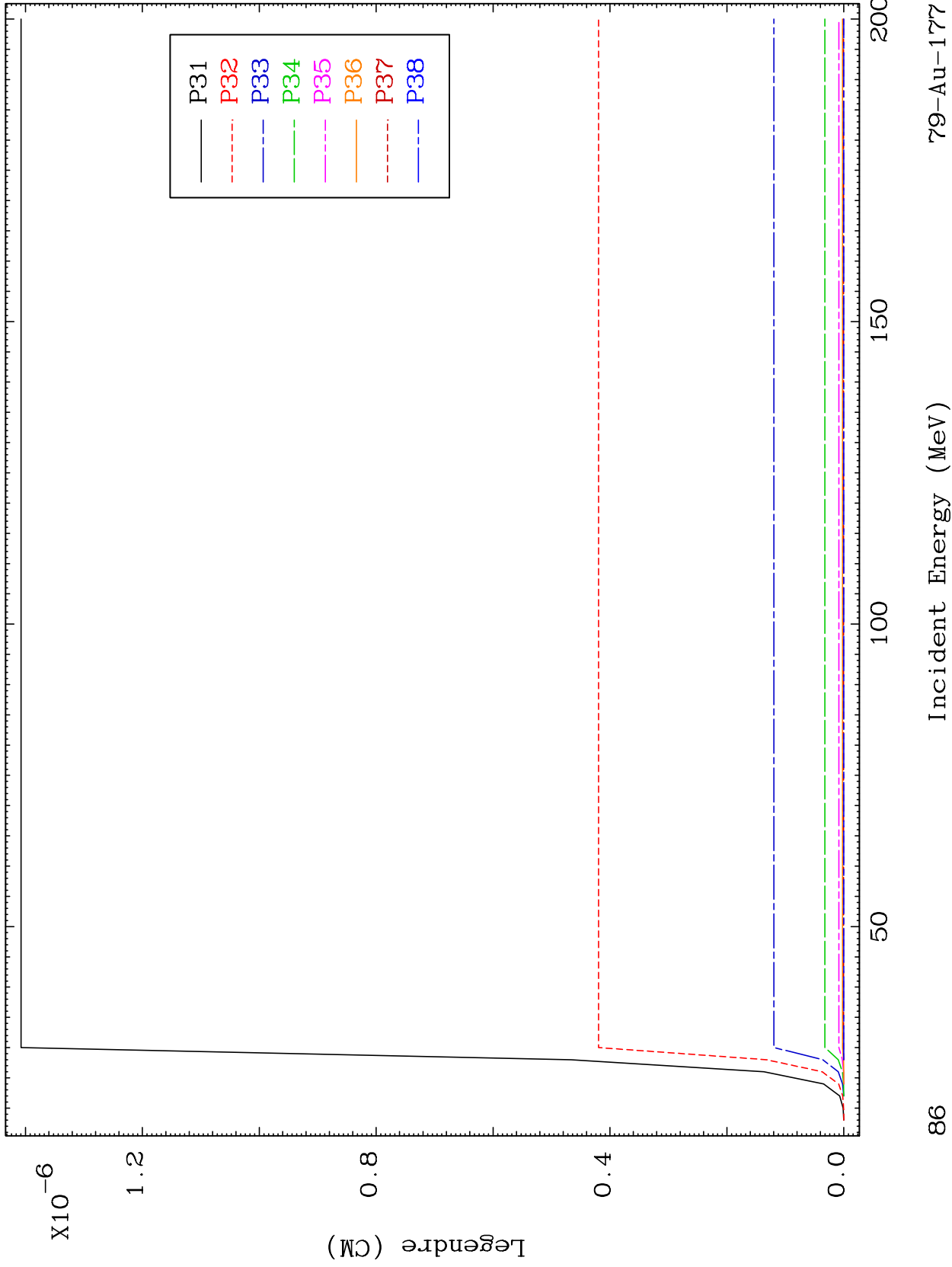
79-Au-177



85

Incident Energy (MeV)

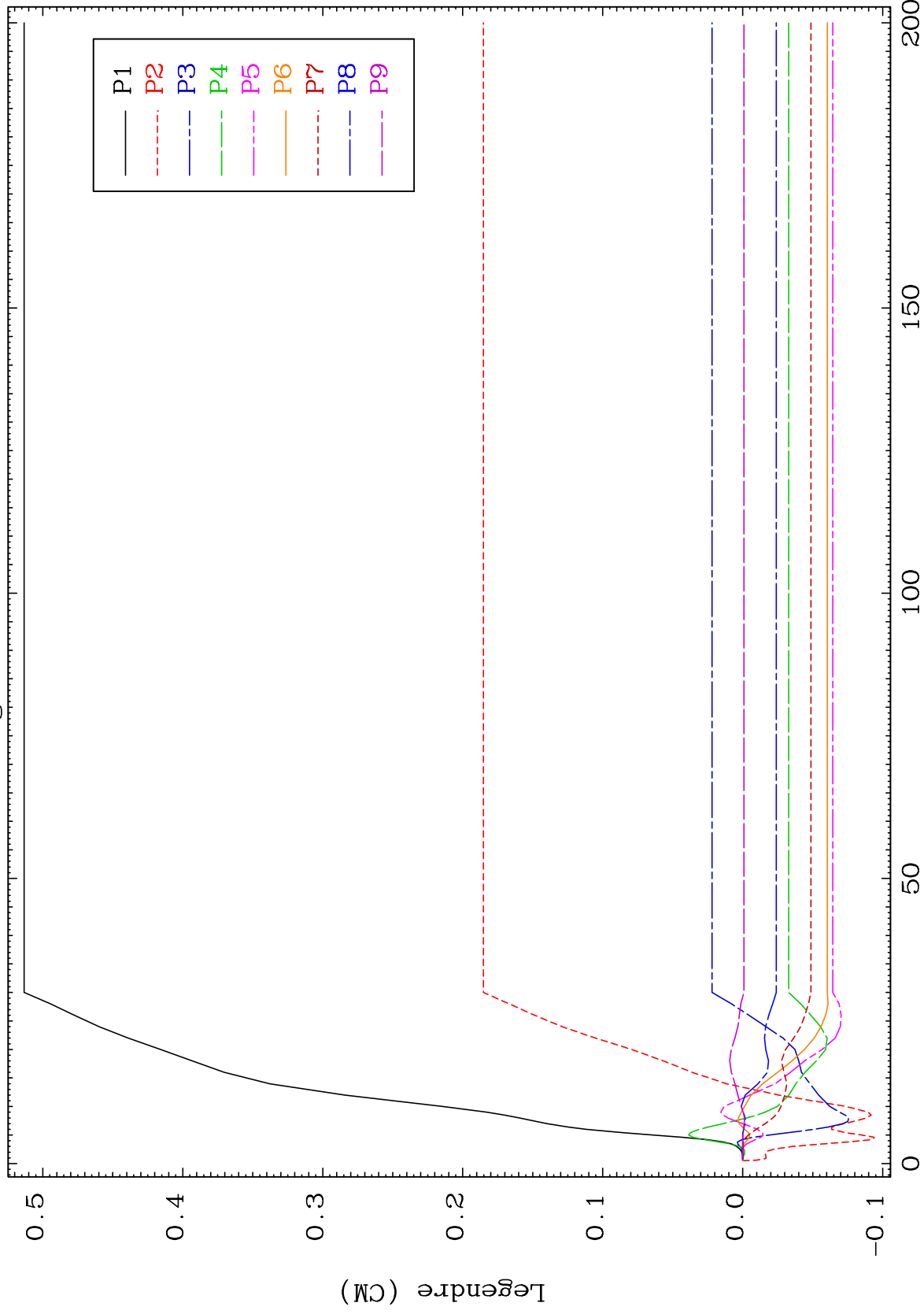
79-Au-177



MAT 7865

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

79-Au-177



87

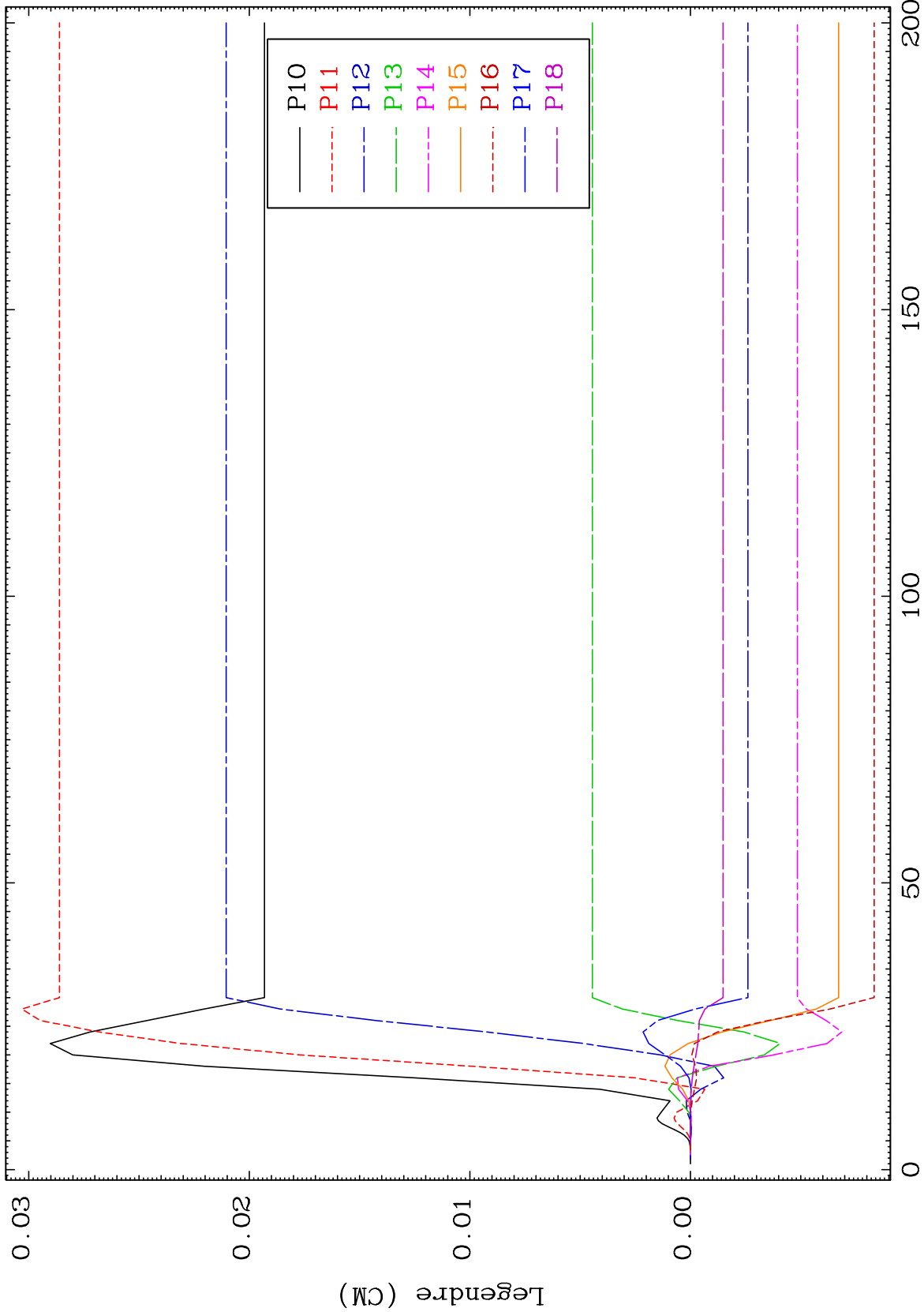
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



88

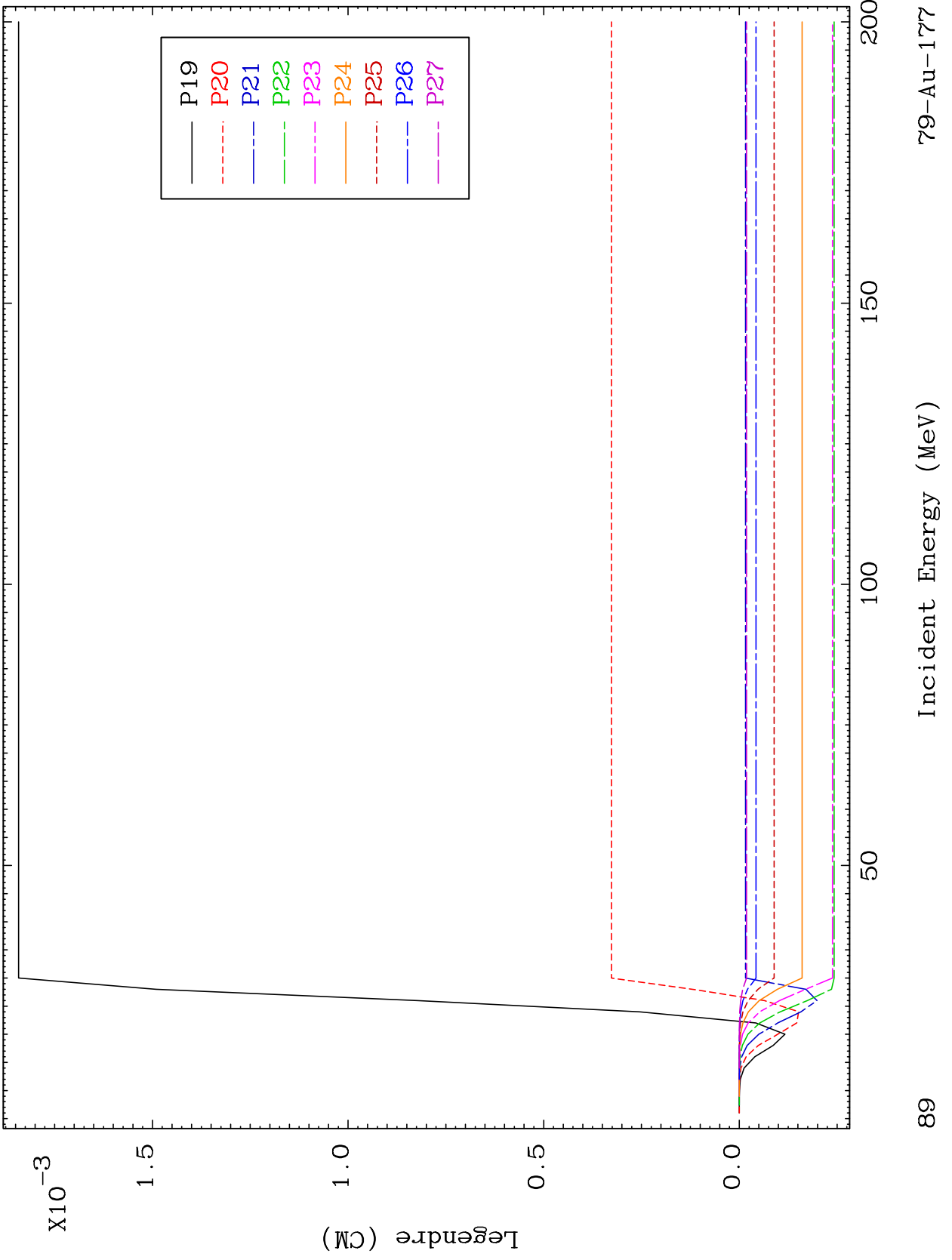
Incident Energy (MeV)

79-Au-177

MAT 7865

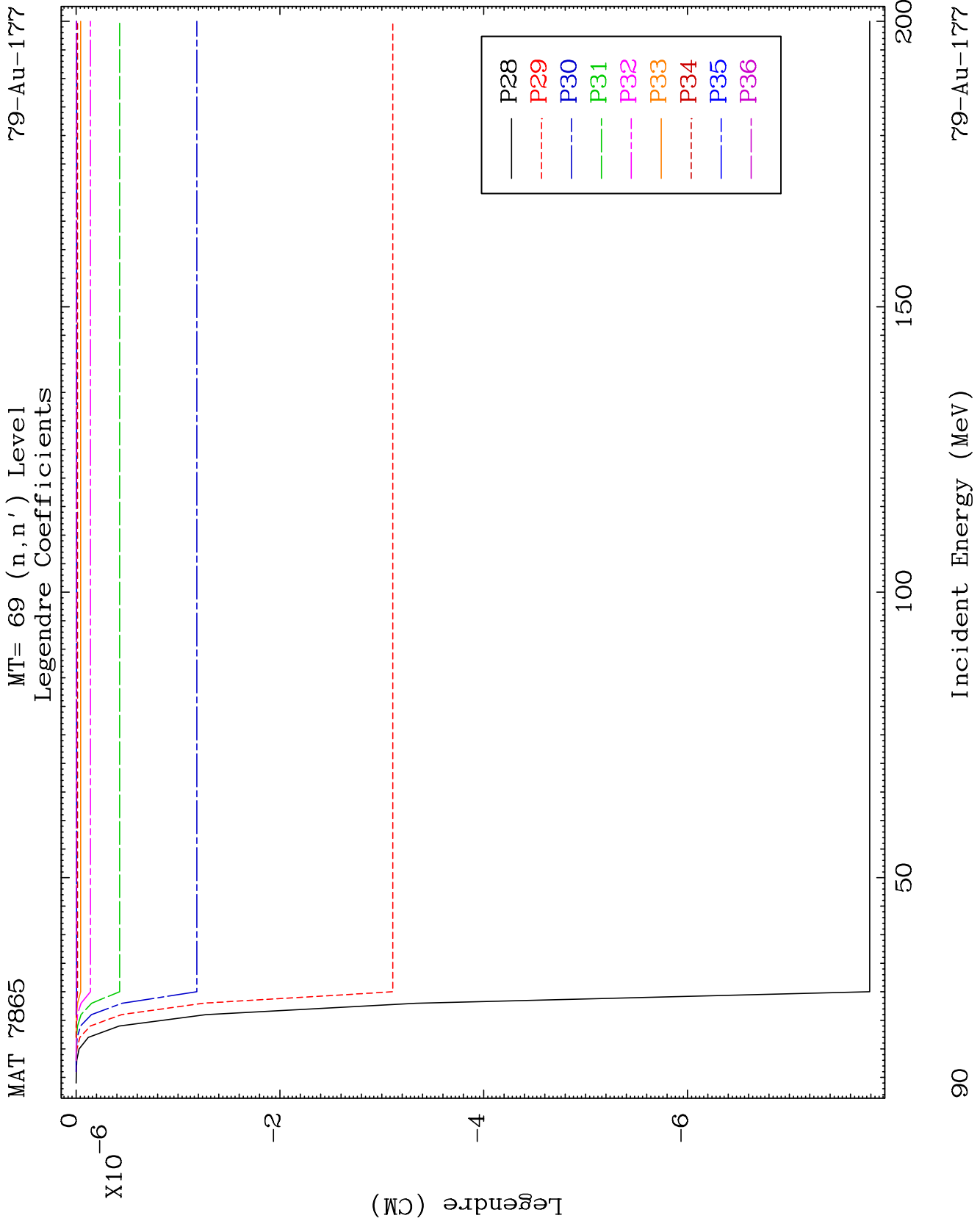
MT= 69 (n,n') Level
Legendre Coefficients

79-Au-177



89

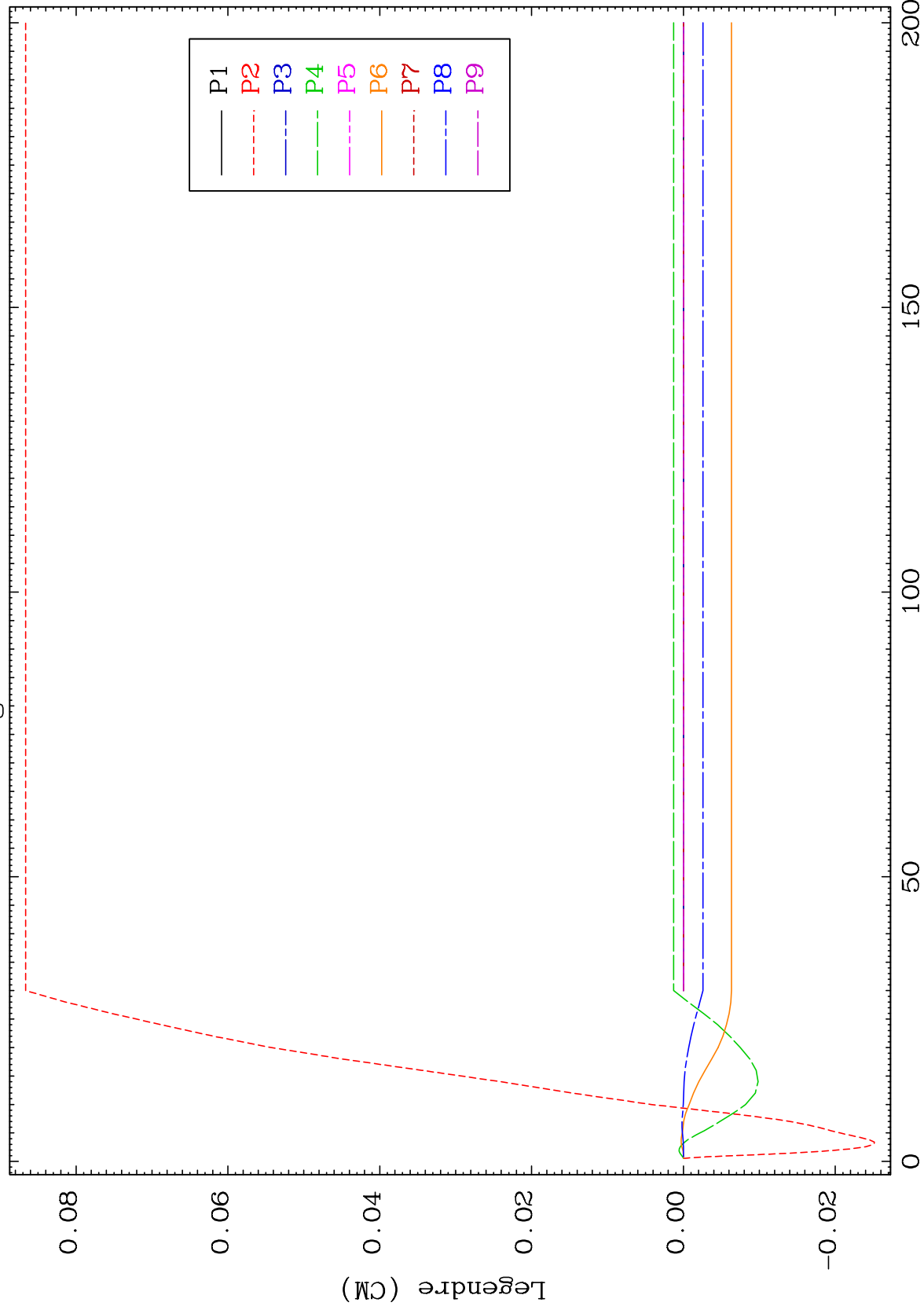
79-Au-177



MAT 7865

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

79-Au-177



91

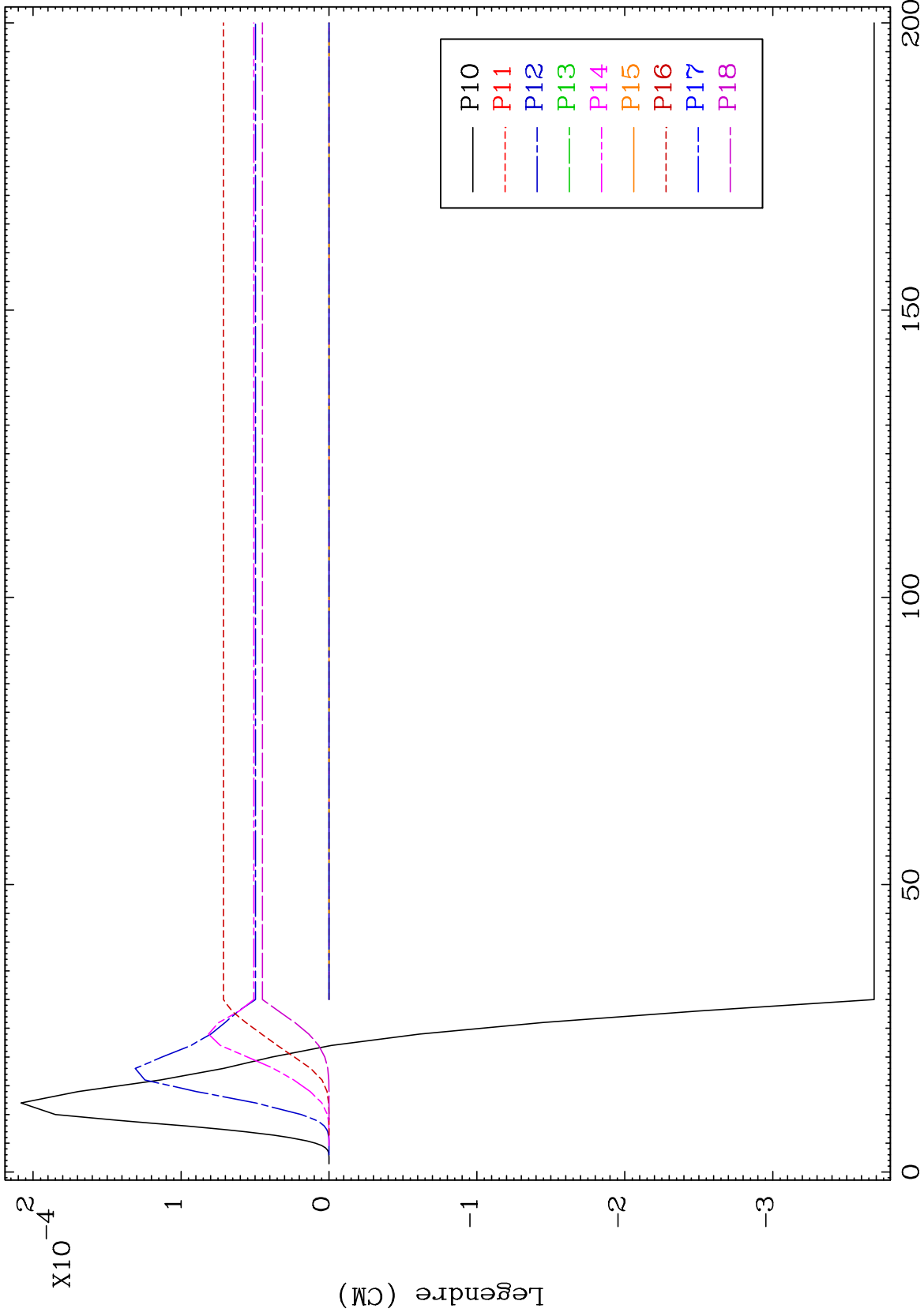
Incident Energy (MeV)

79-Au-177

MAT 7865

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

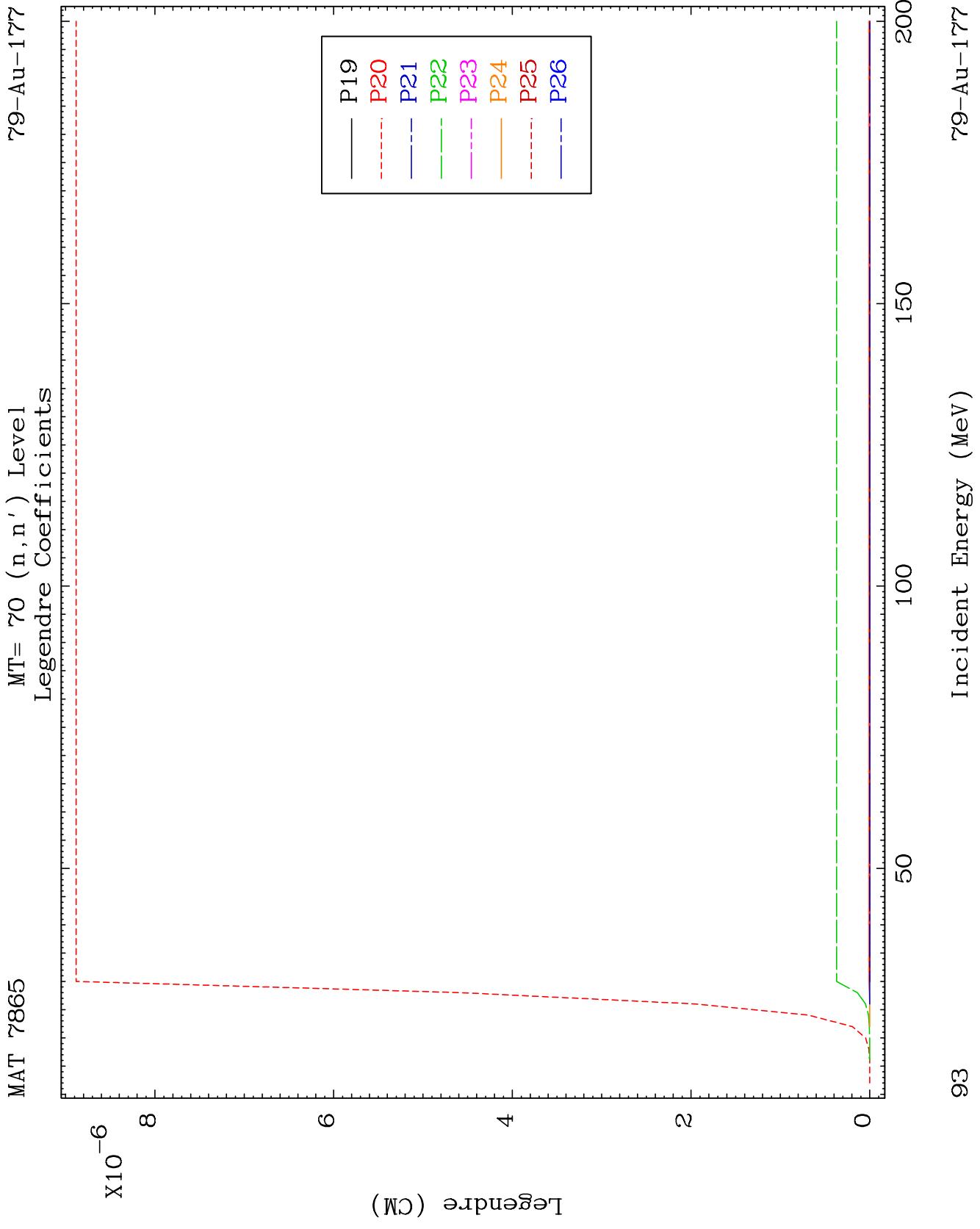
79-Au-177



92

Incident Energy (MeV)

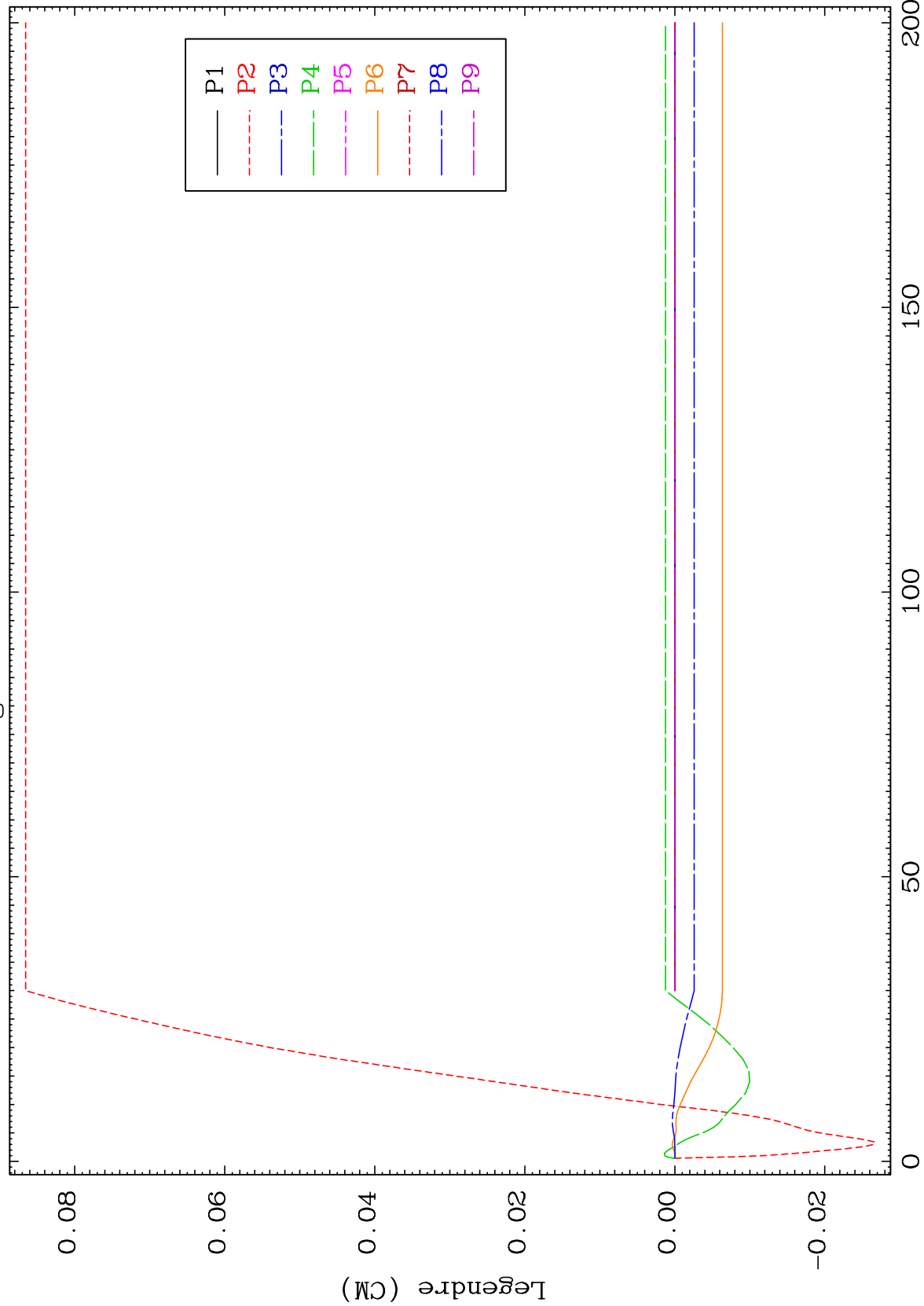
79-Au-177



MAT 7865

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

79-Au-177



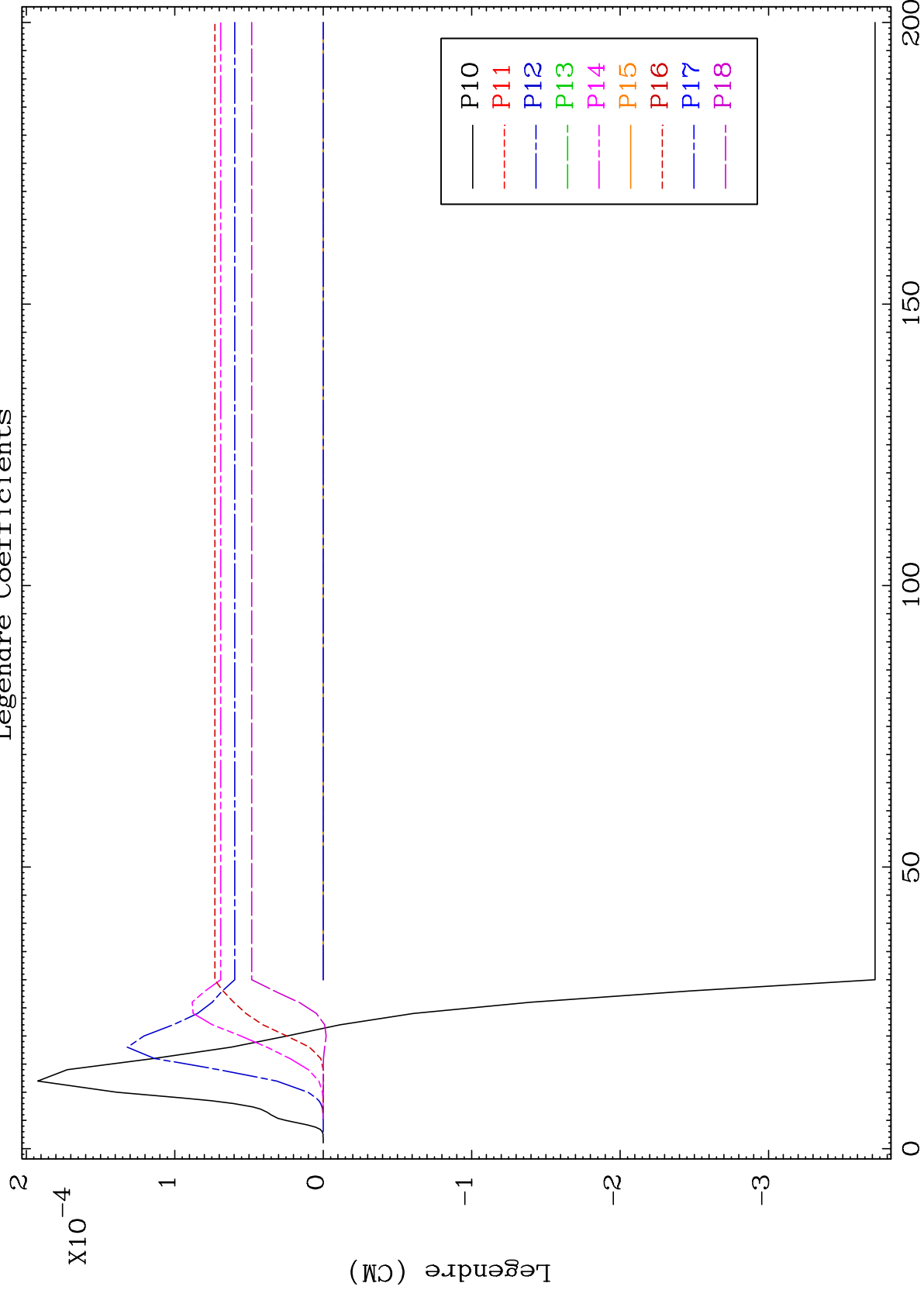
94

79-Au-177

MAT 7865

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

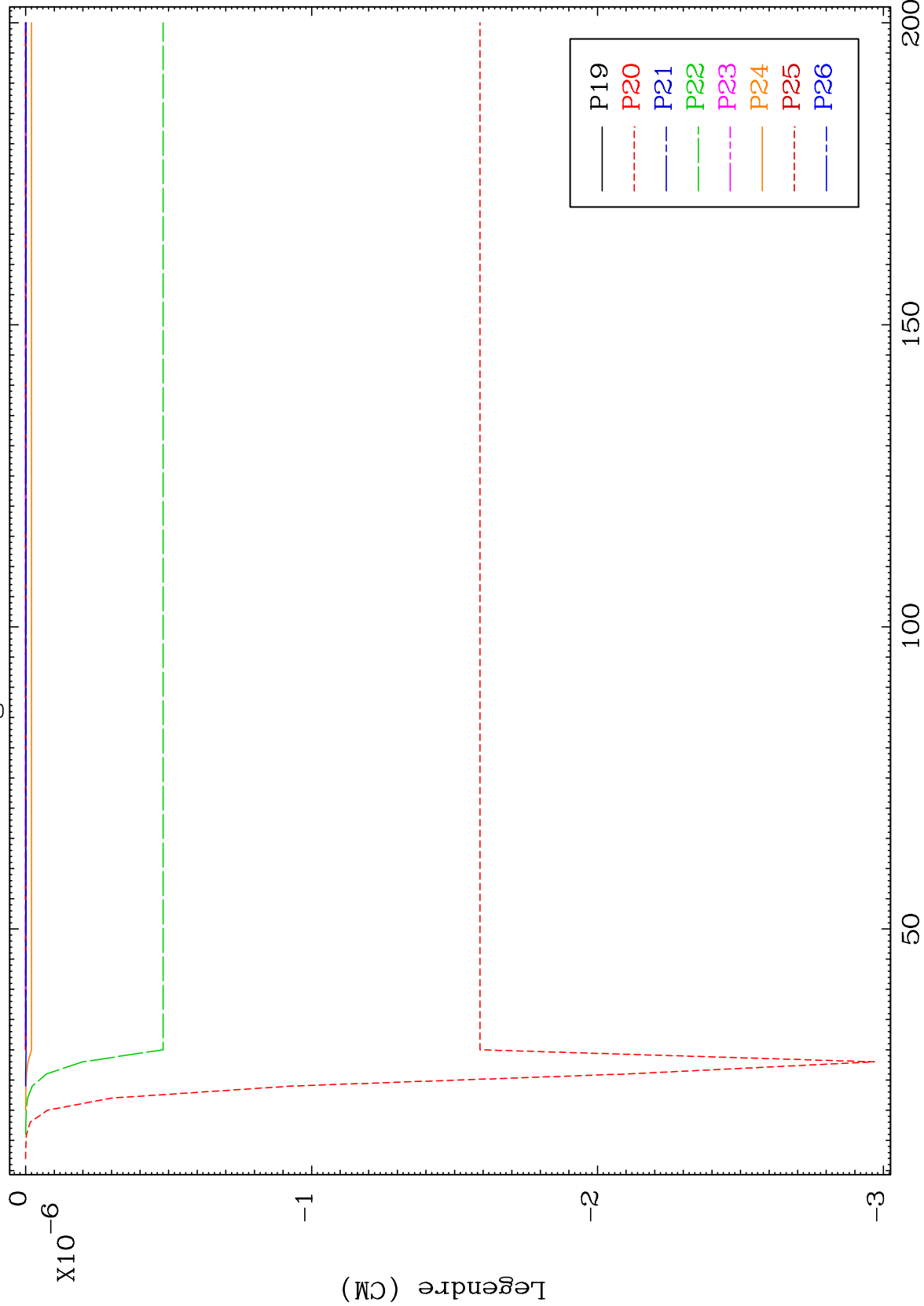
79-Au-177



95

Incident Energy (MeV)

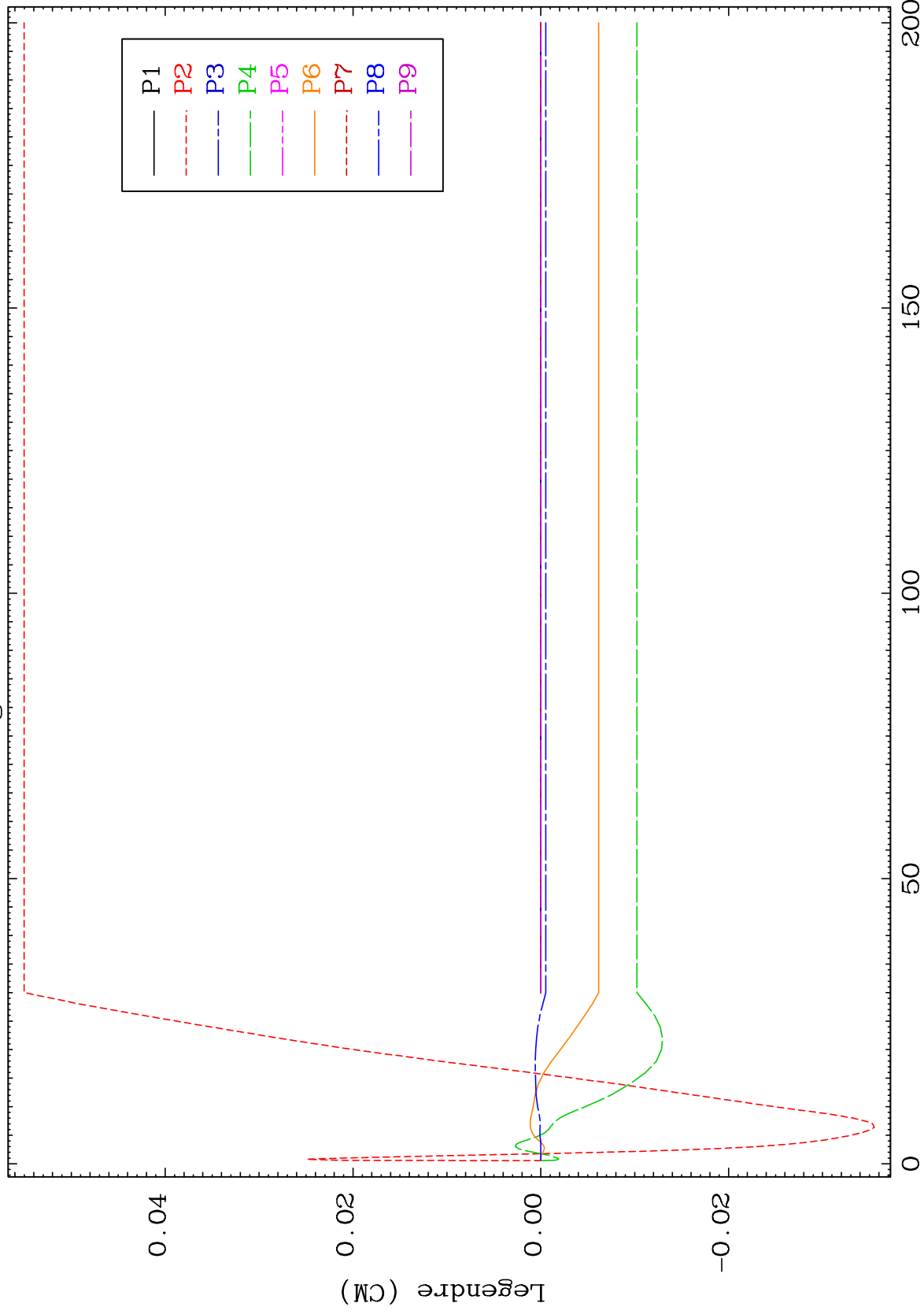
79-Au-177



MAT 7865

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

79-Au-177



97

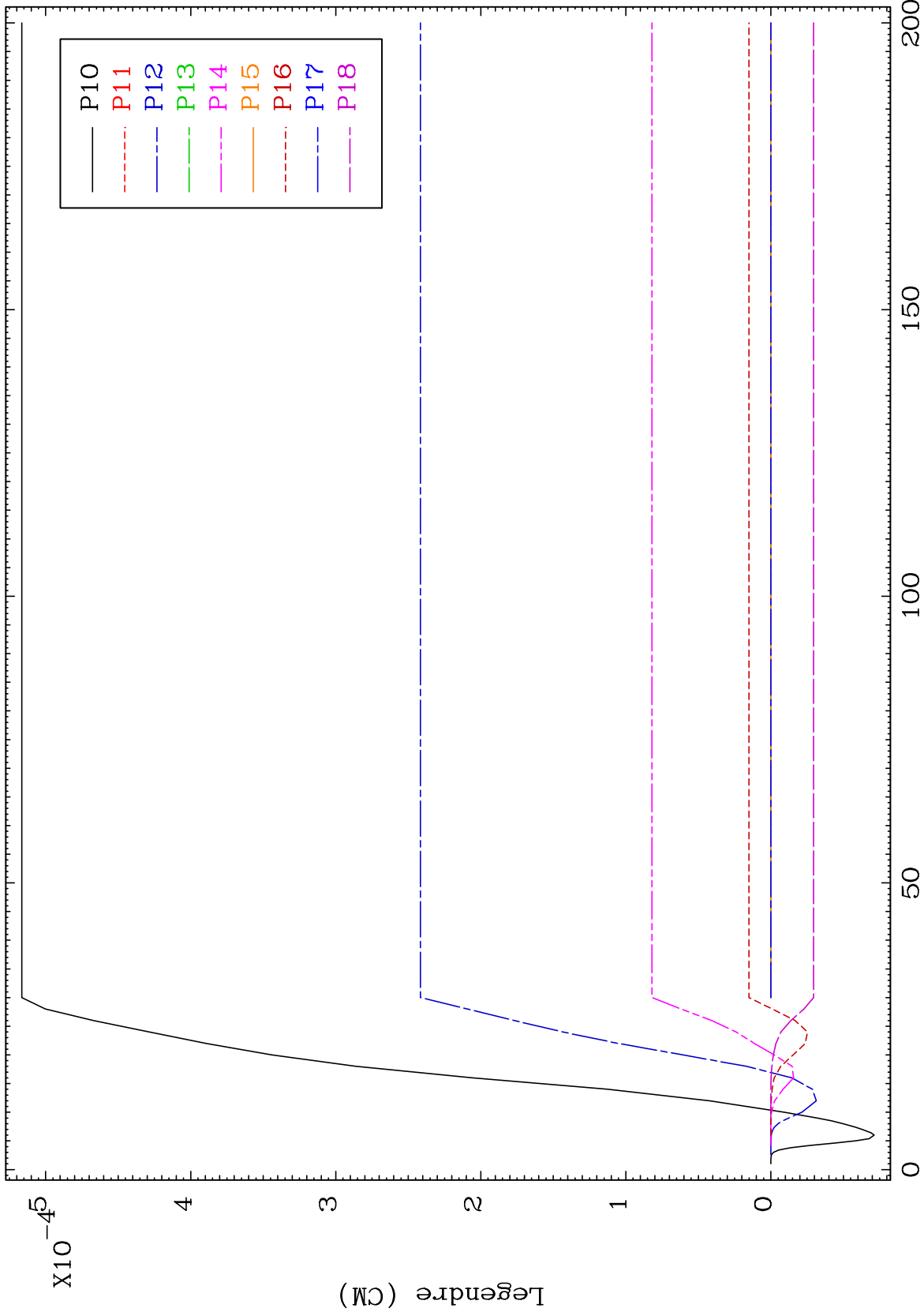
Incident Energy (MeV)

79-Au-177

MAT 7865

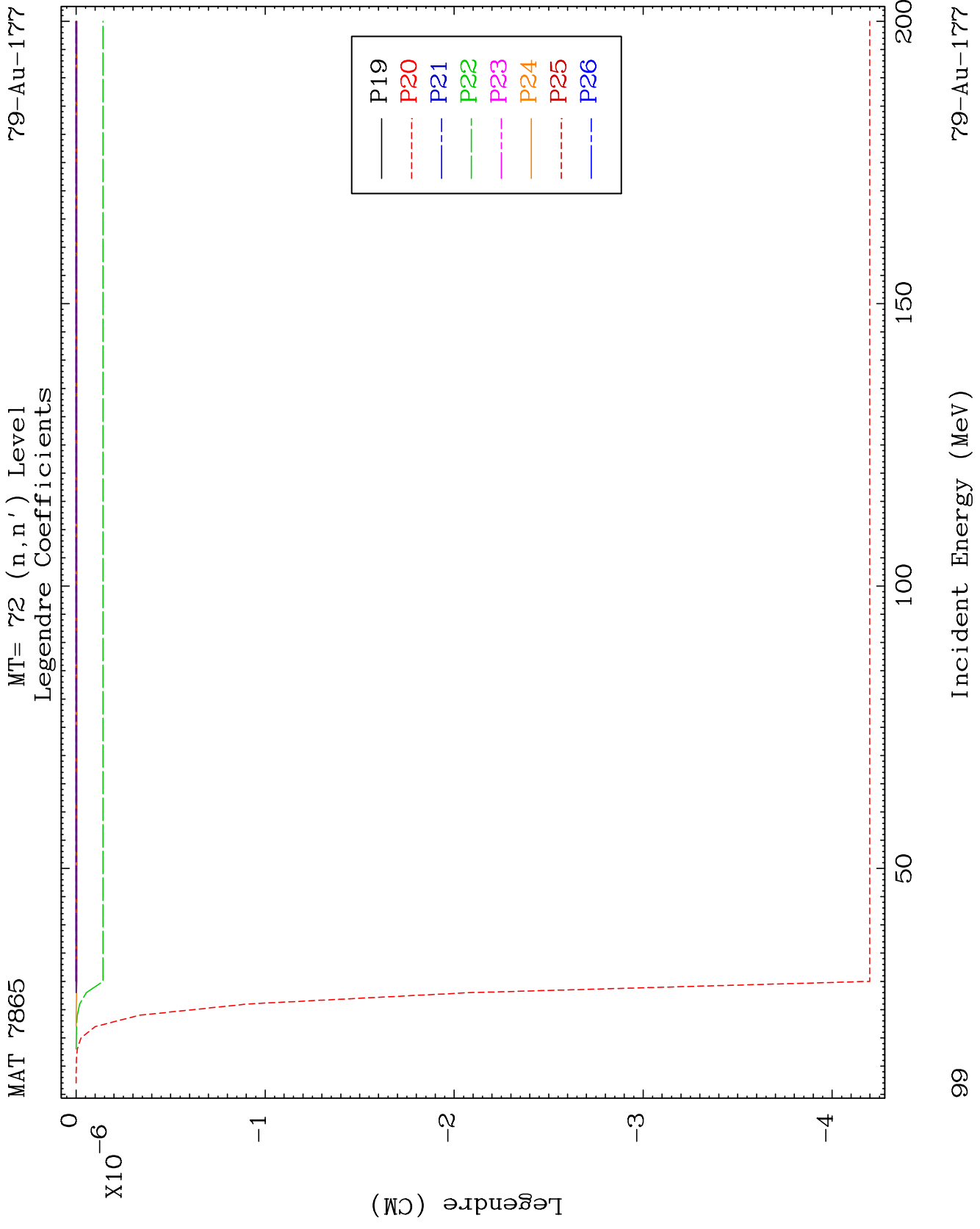
MT= 72 (n,n') Level
Legendre Coefficients

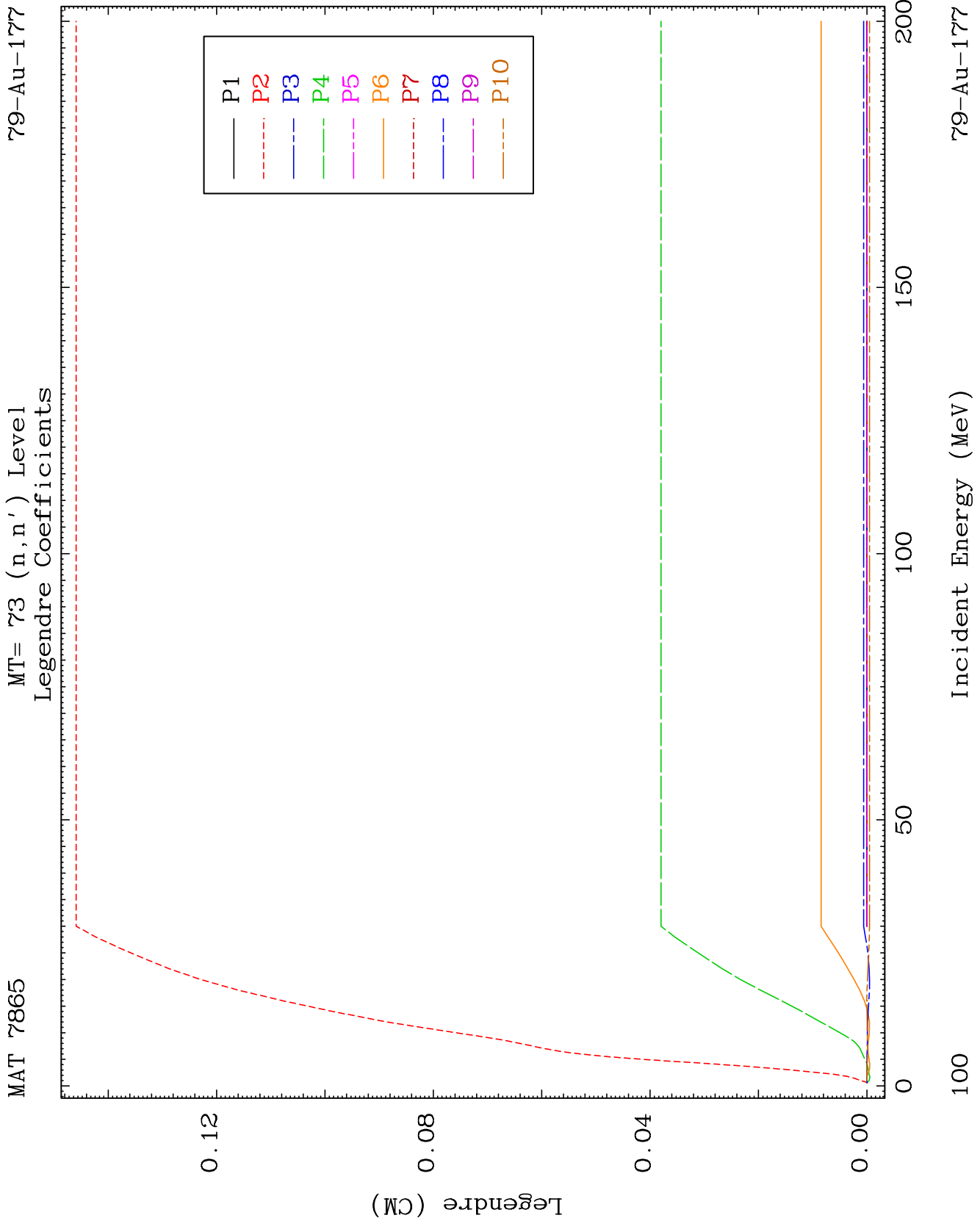
79-Au-177



98

79-Au-177

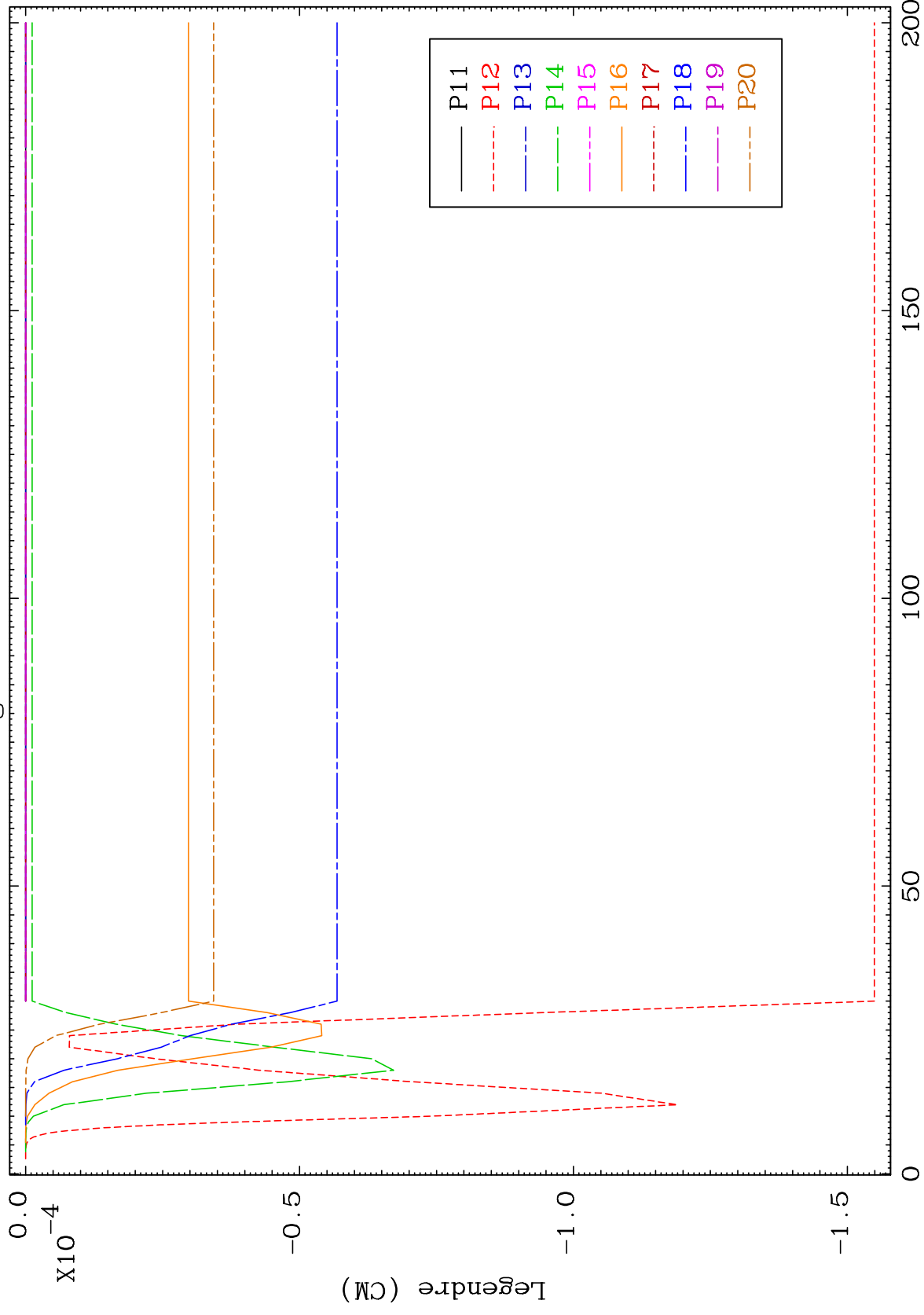




MAT 7865

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

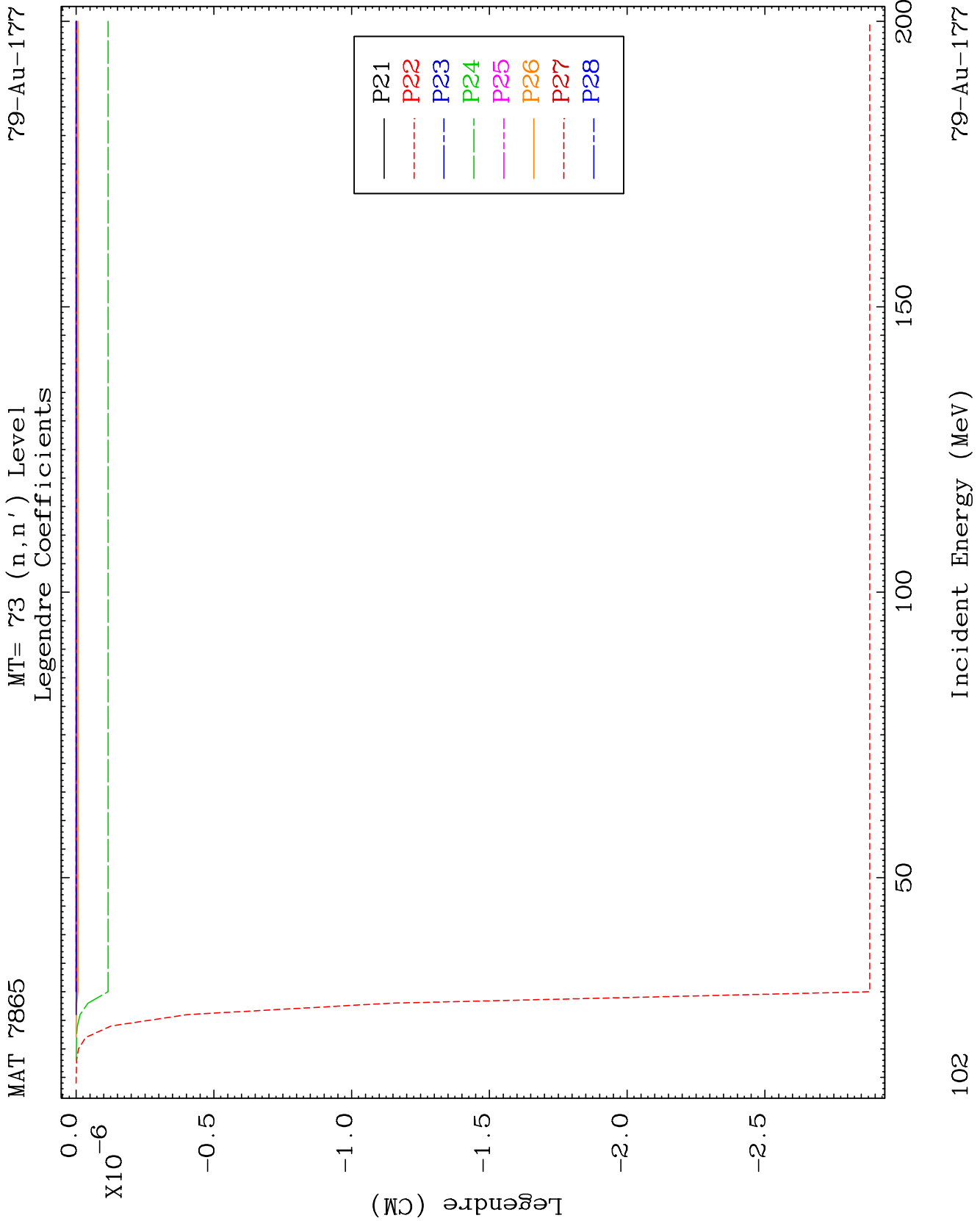
79-Au-177



101

Incident Energy (MeV)

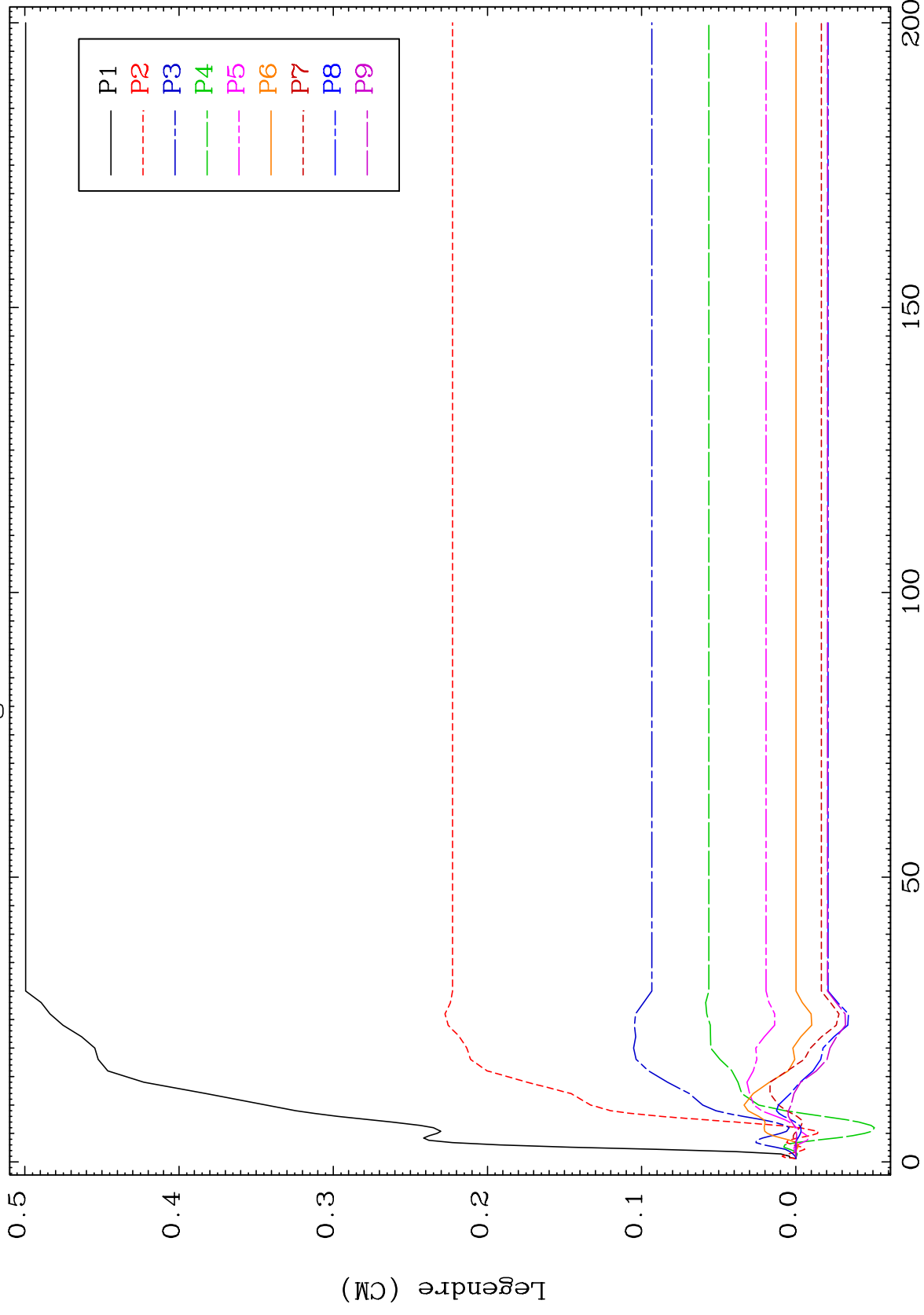
79-Au-177



MAT 7865

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

79-Au-177



79-Au-177

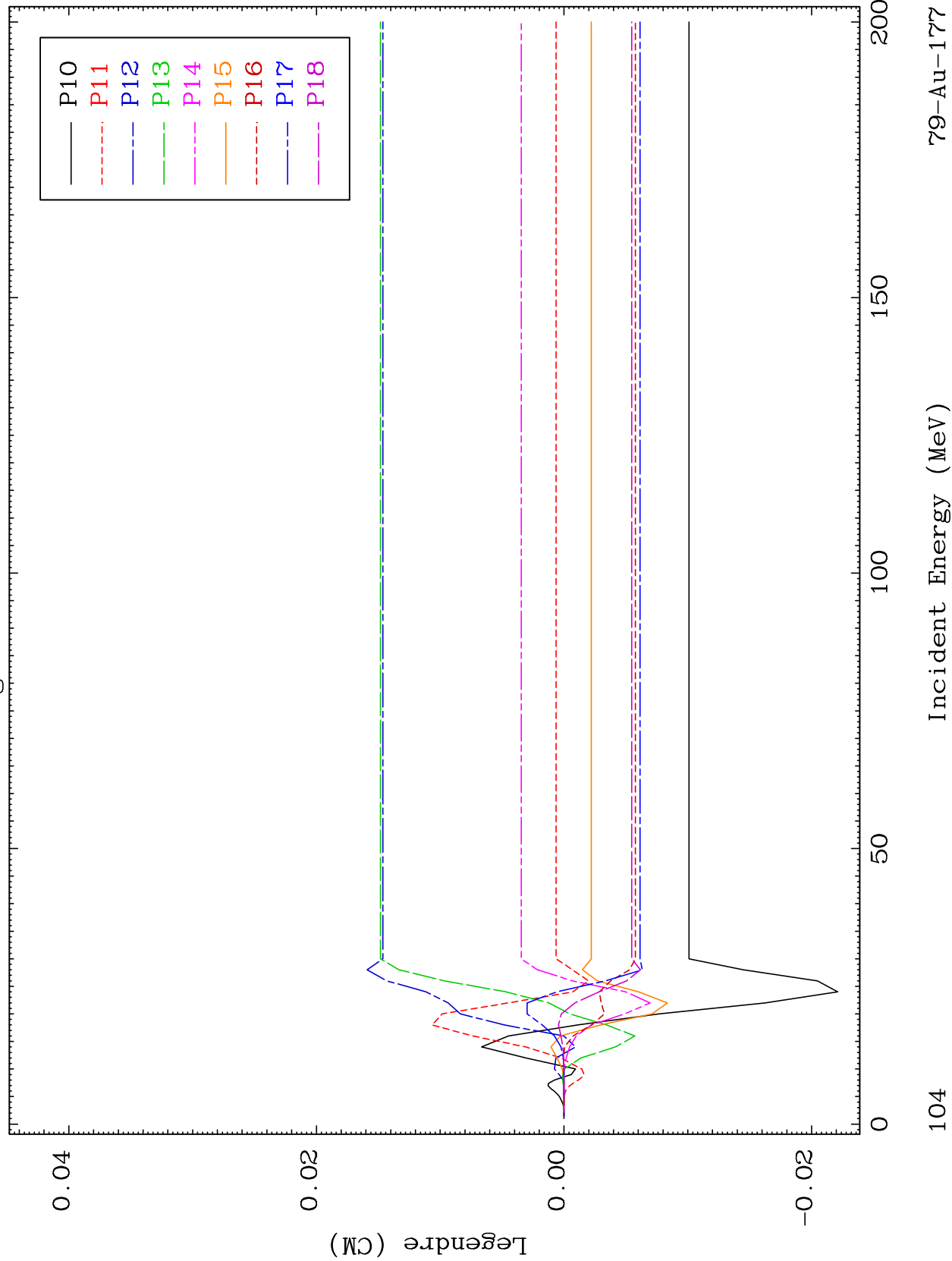
Incident Energy (MeV)

103

MAT 7865

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

79-Au-177



79-Au-177

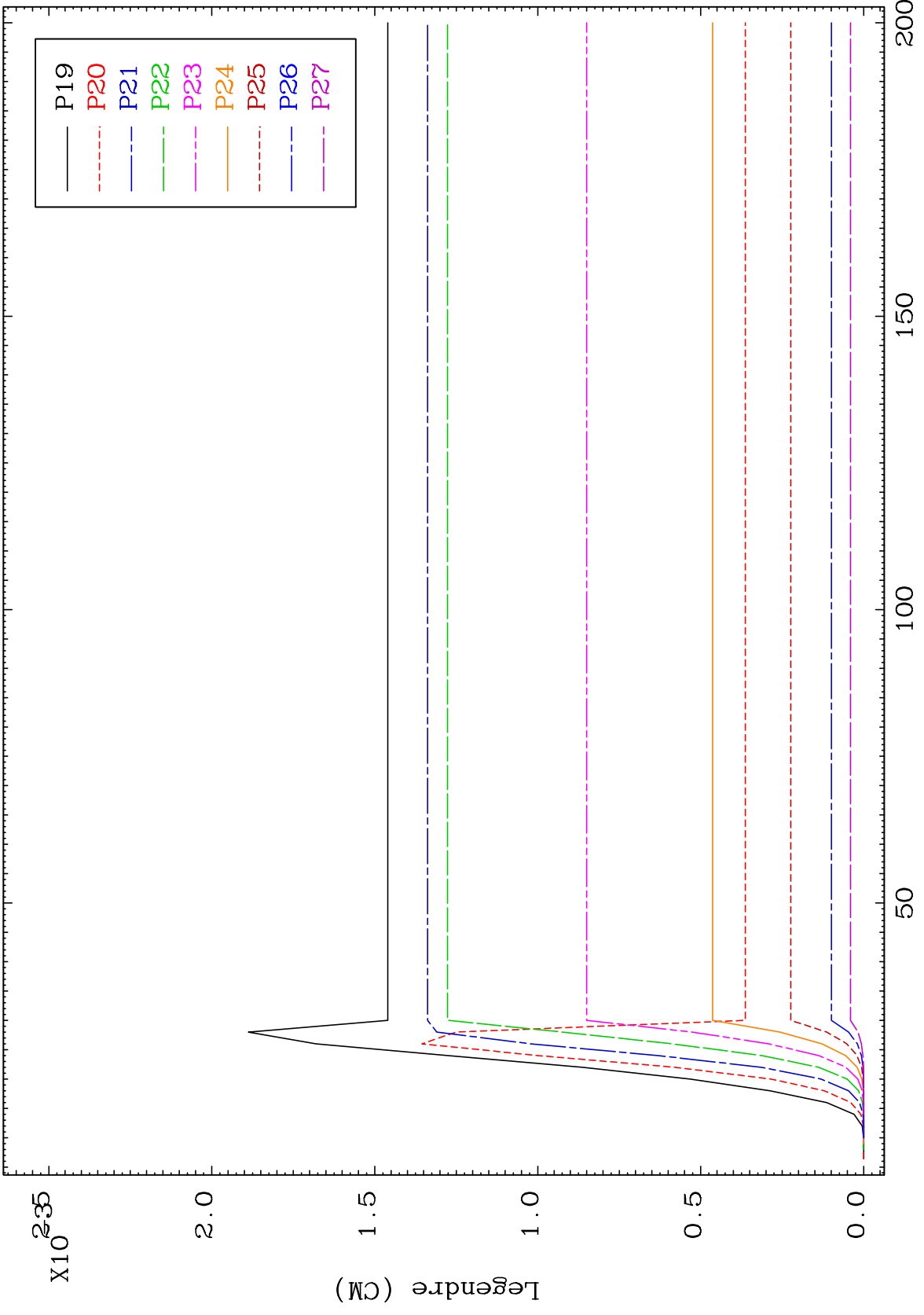
Incident Energy (MeV)

104

MAT 7865

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

79-Au-177



105

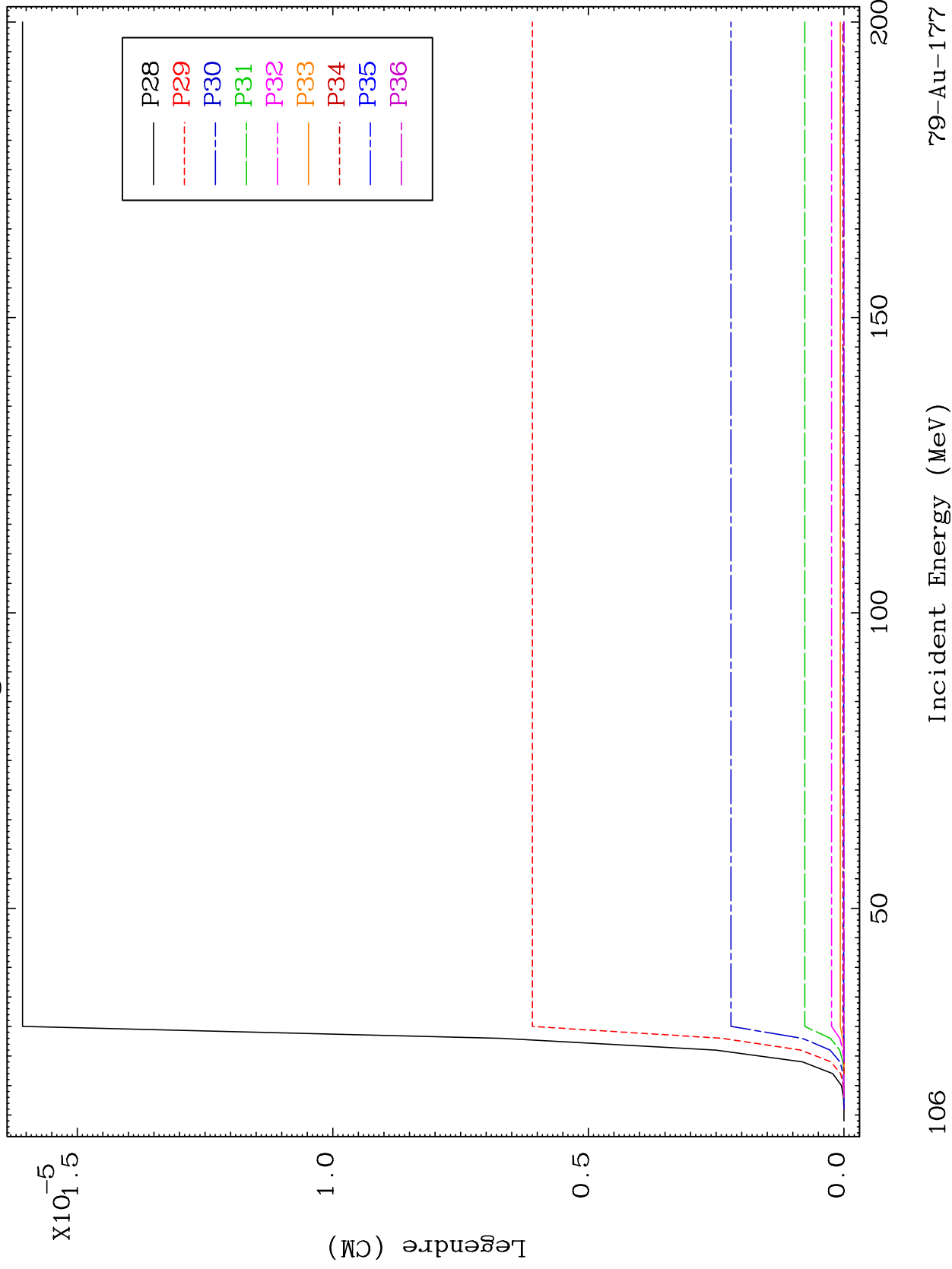
Incident Energy (MeV)

79-Au-177

MAT 7865

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

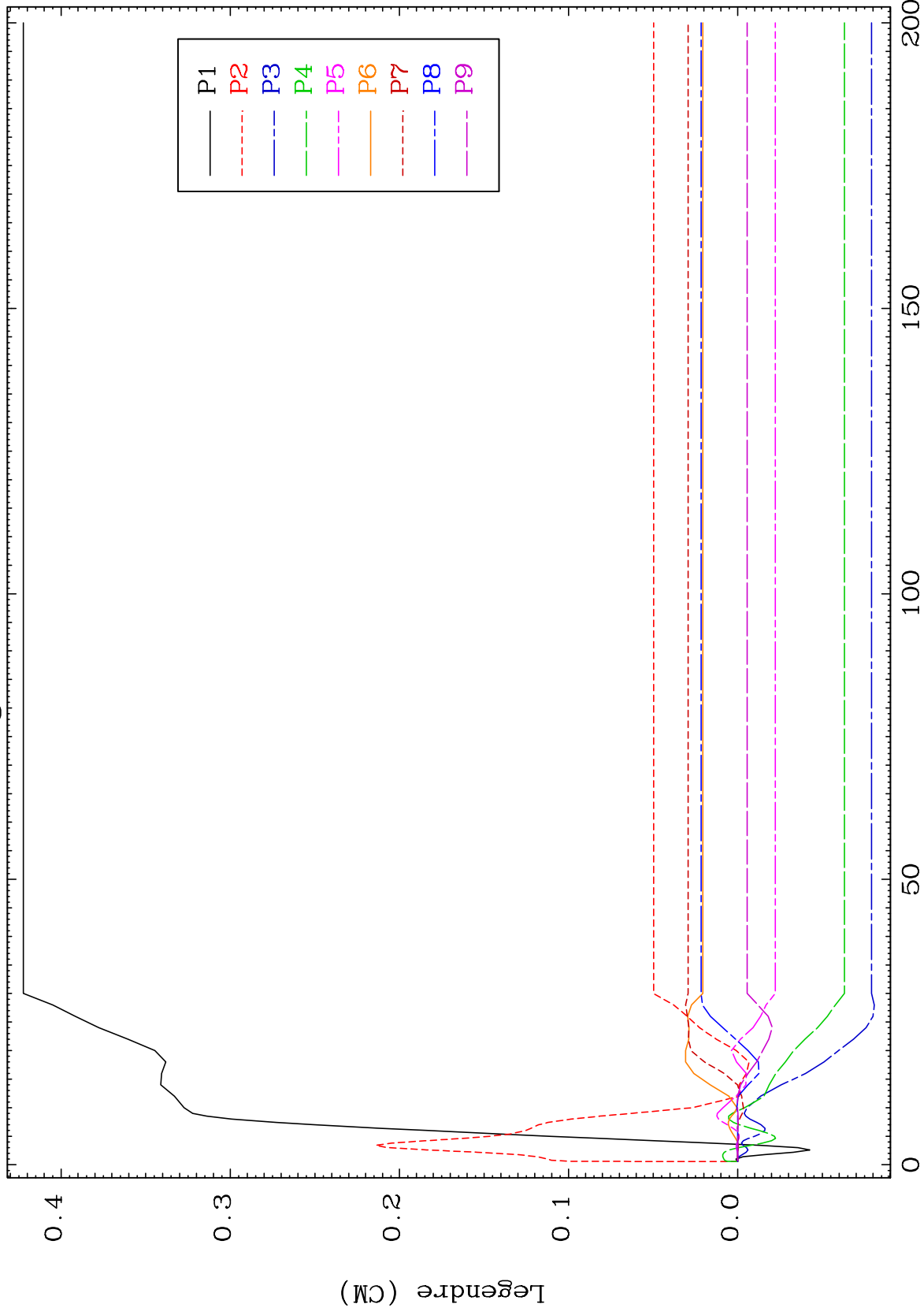
79-Au-177



MAT 7865

MT= 75 (n,n') Level
Legendre Coefficients

79-Au-177



107

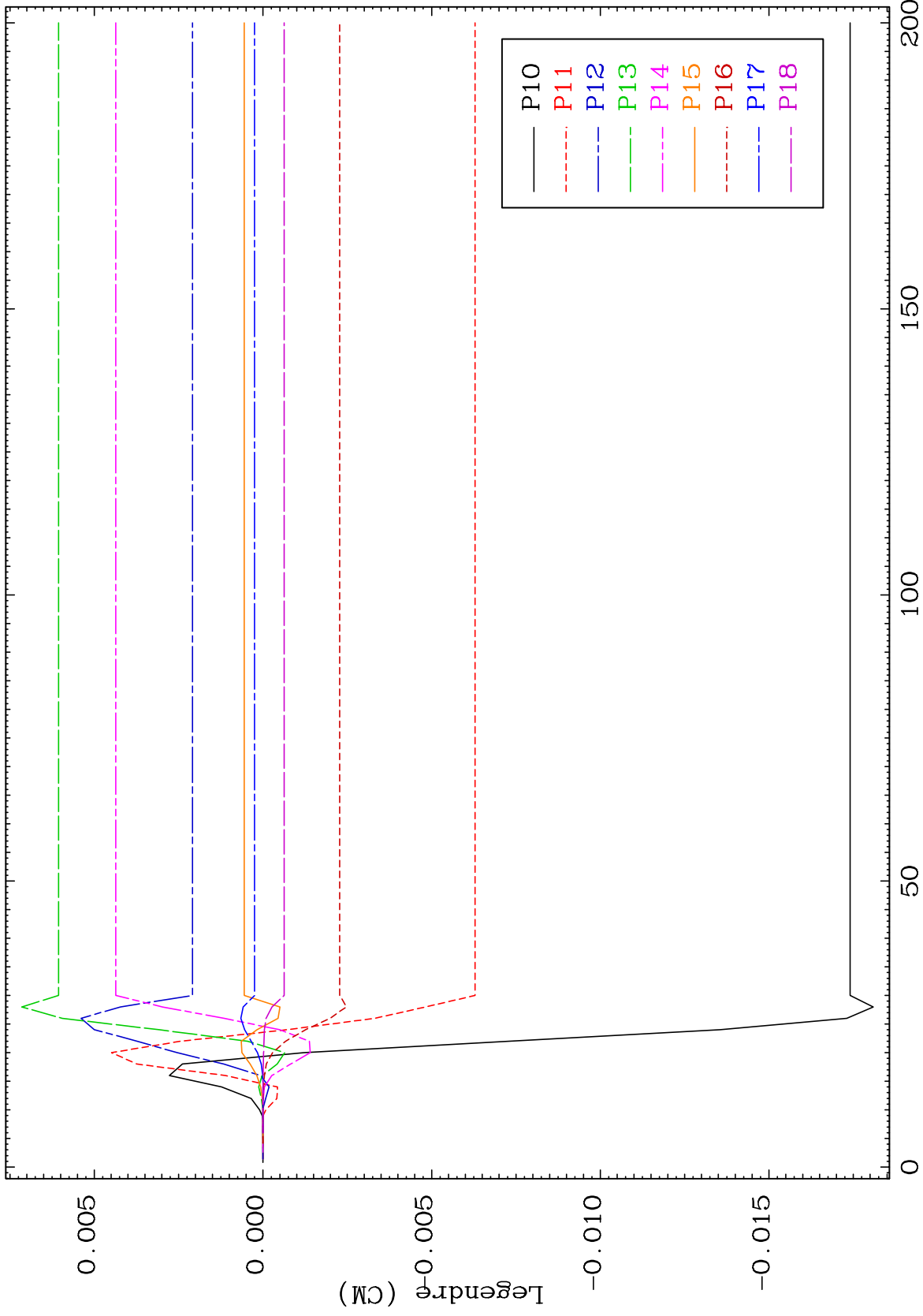
Incident Energy (MeV)

79-Au-177

MAT 7865

MT= 75 (n,n') Level
Legendre Coefficients

79-Au-177



108

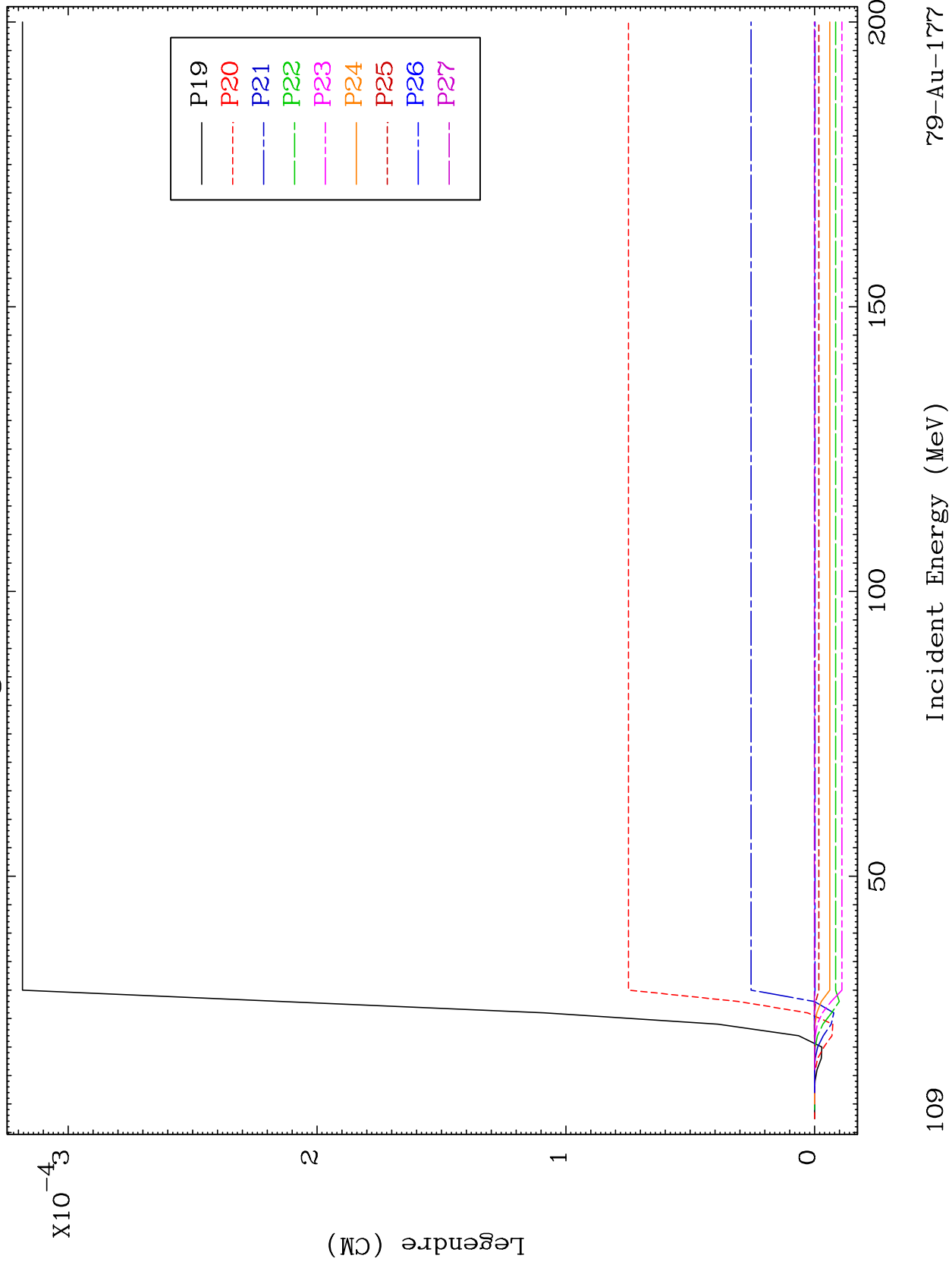
Incident Energy (MeV)

79-Au-177

MAT 7865

MT= 75 (n,n') Level
Legendre Coefficients

79-Au-177



109

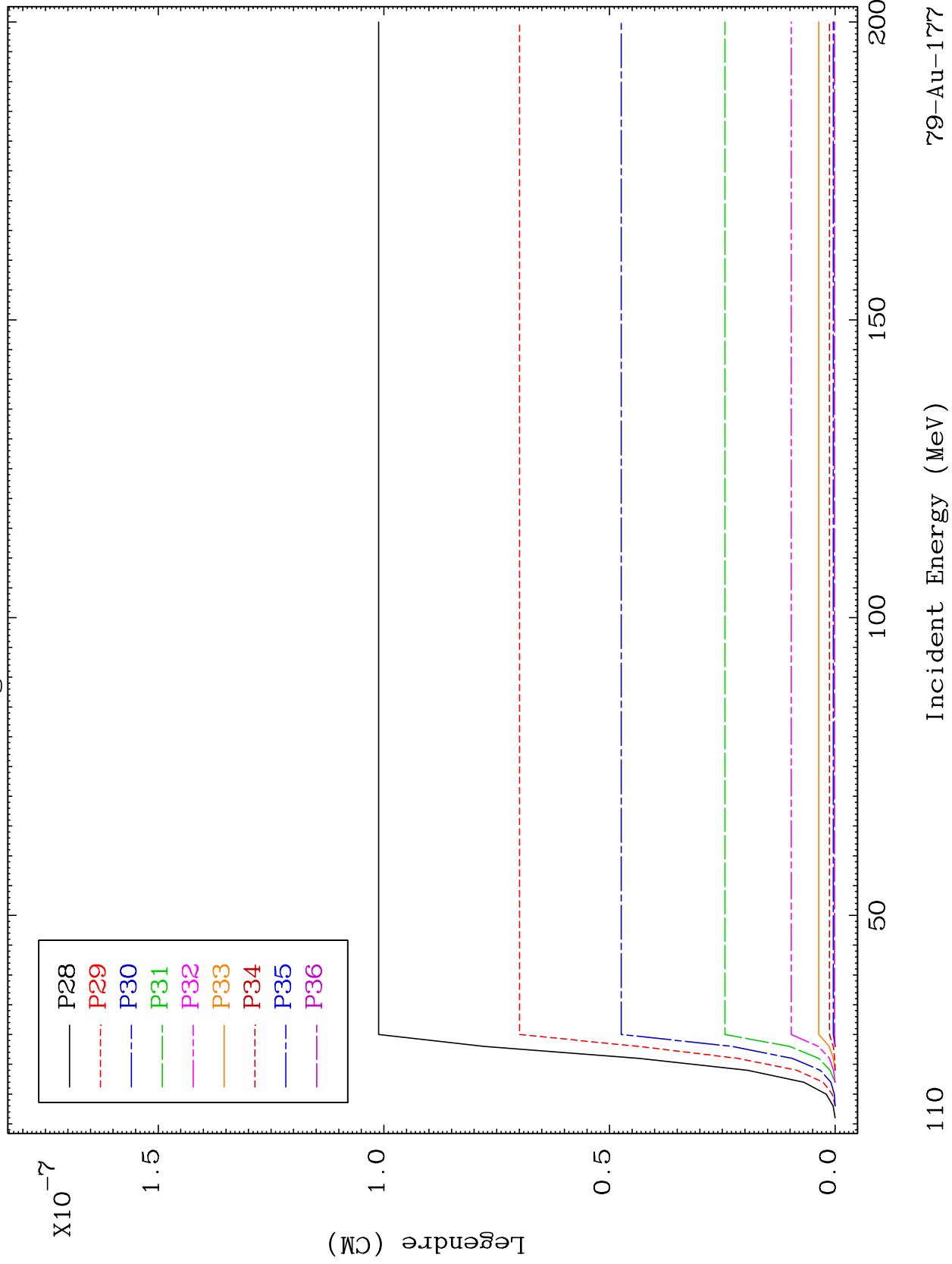
Incident Energy (MeV)

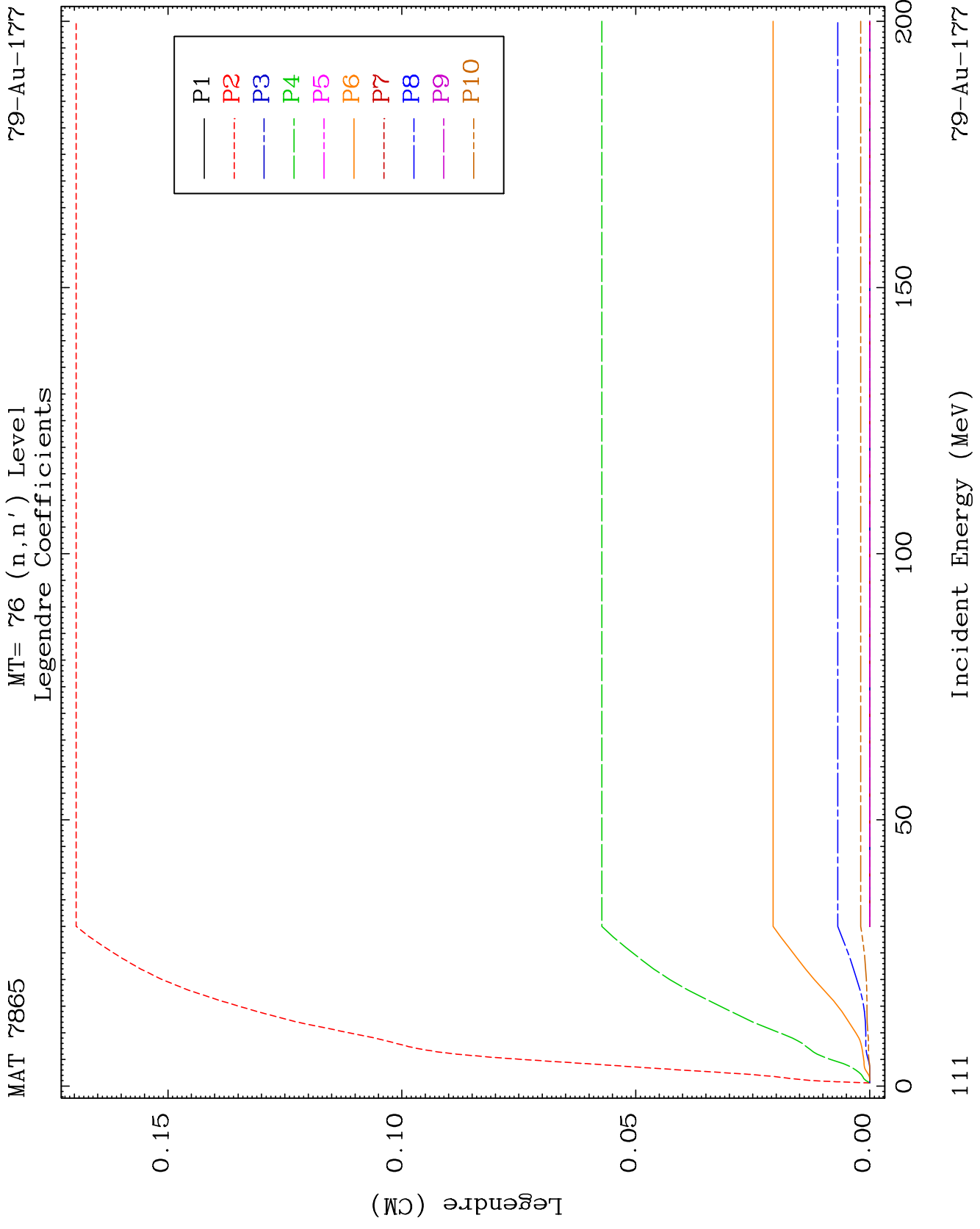
79-Au-177

MAT 7865

MT= 75 (n,n') Level
Legendre Coefficients

79-Au-177

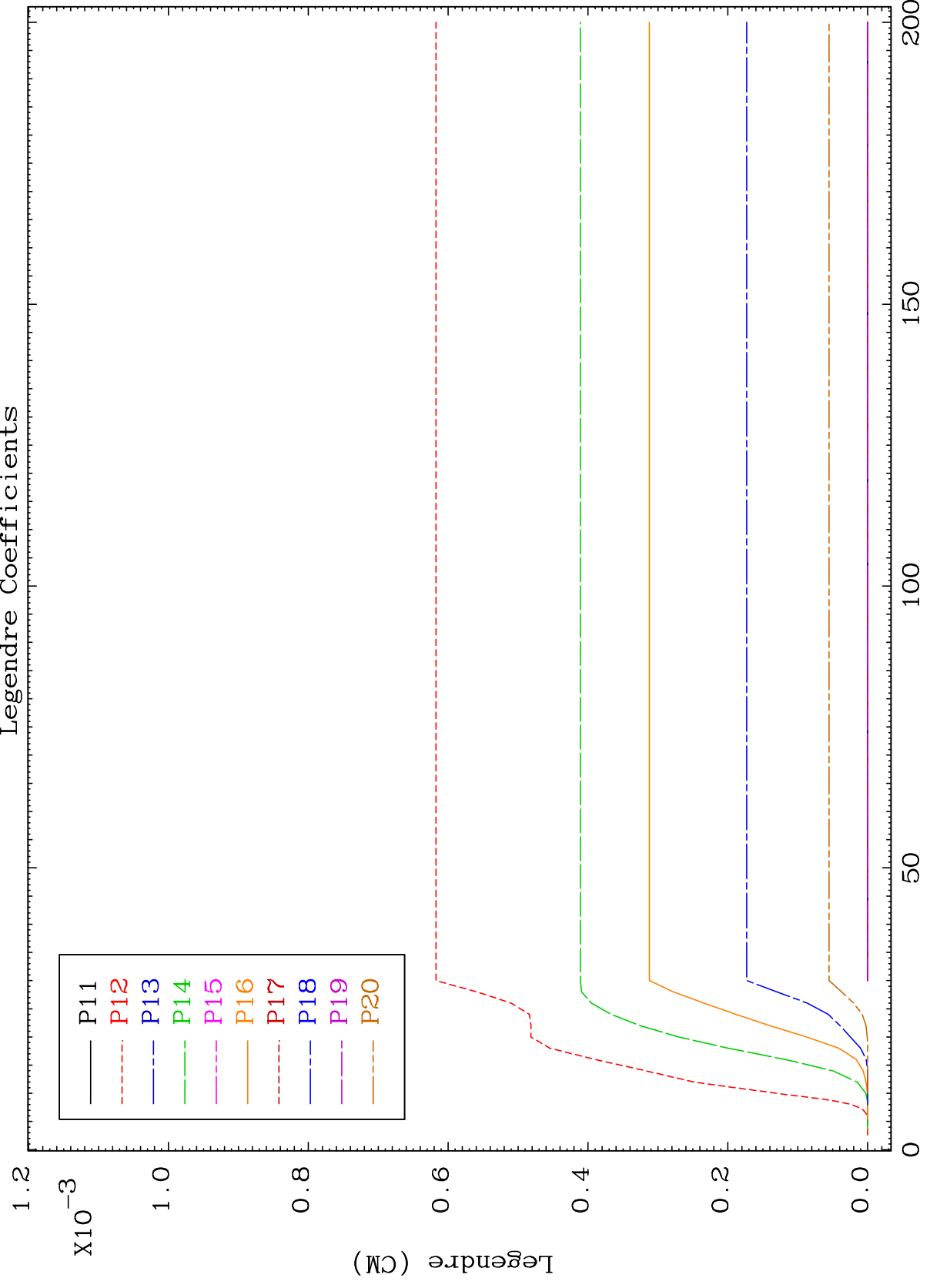




MAT 7865

MT= 76 (n,n') Level
Legendre Coefficients

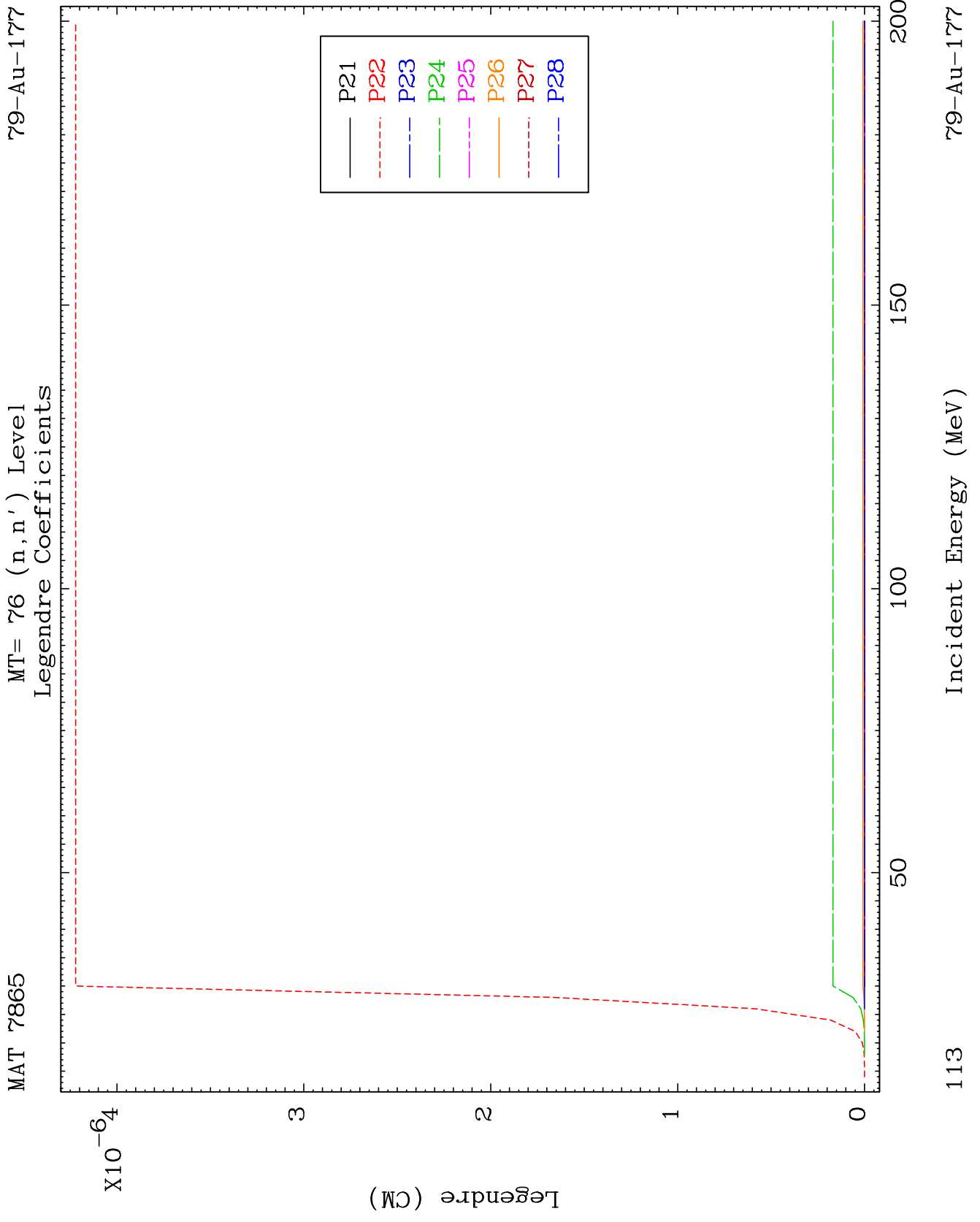
79-Au-177



112

Incident Energy (MeV)

79-Au-177

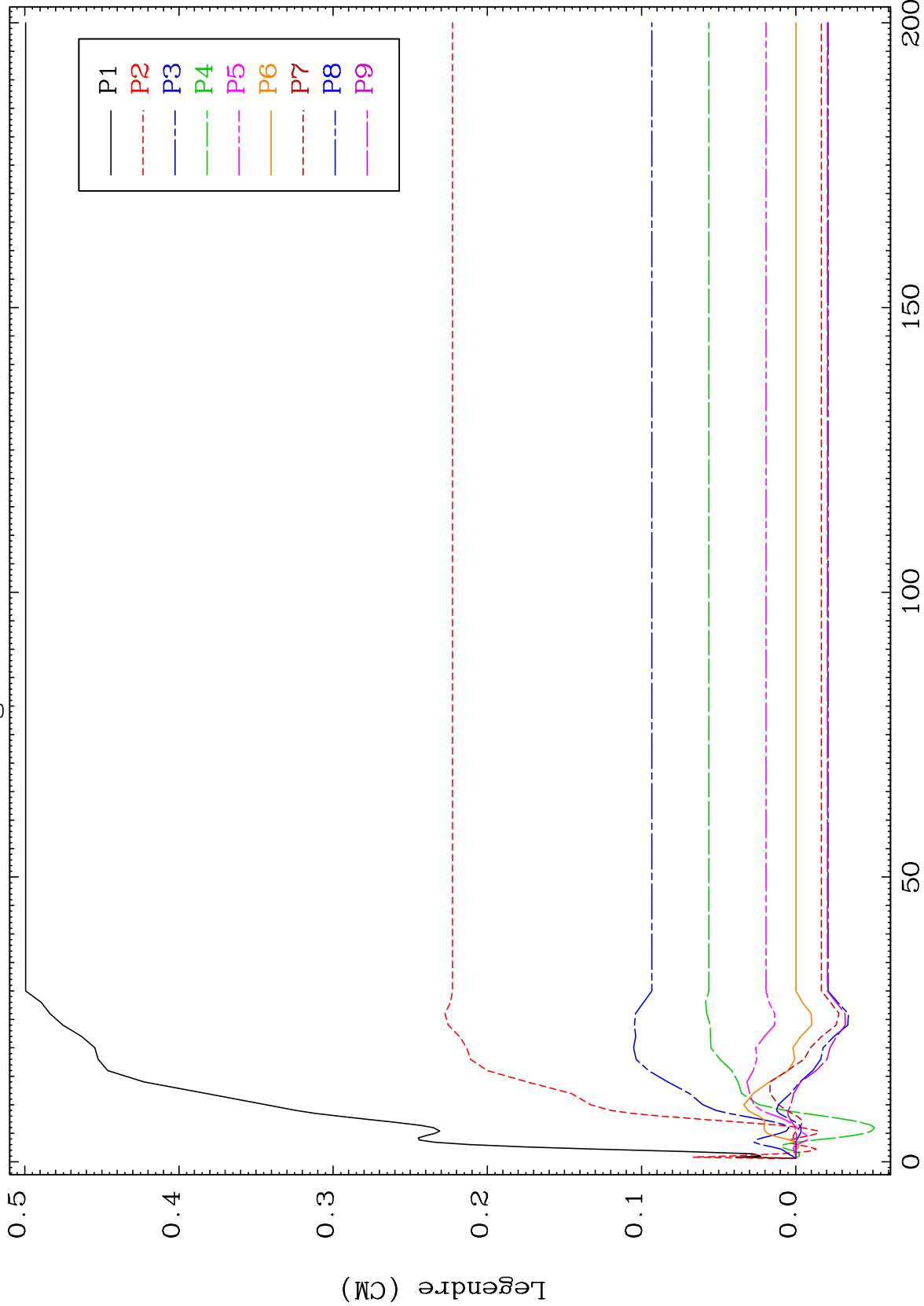


MAT 7865

MT= 77 (n,n') Level

79-Au-177

Legendre Coefficients



114

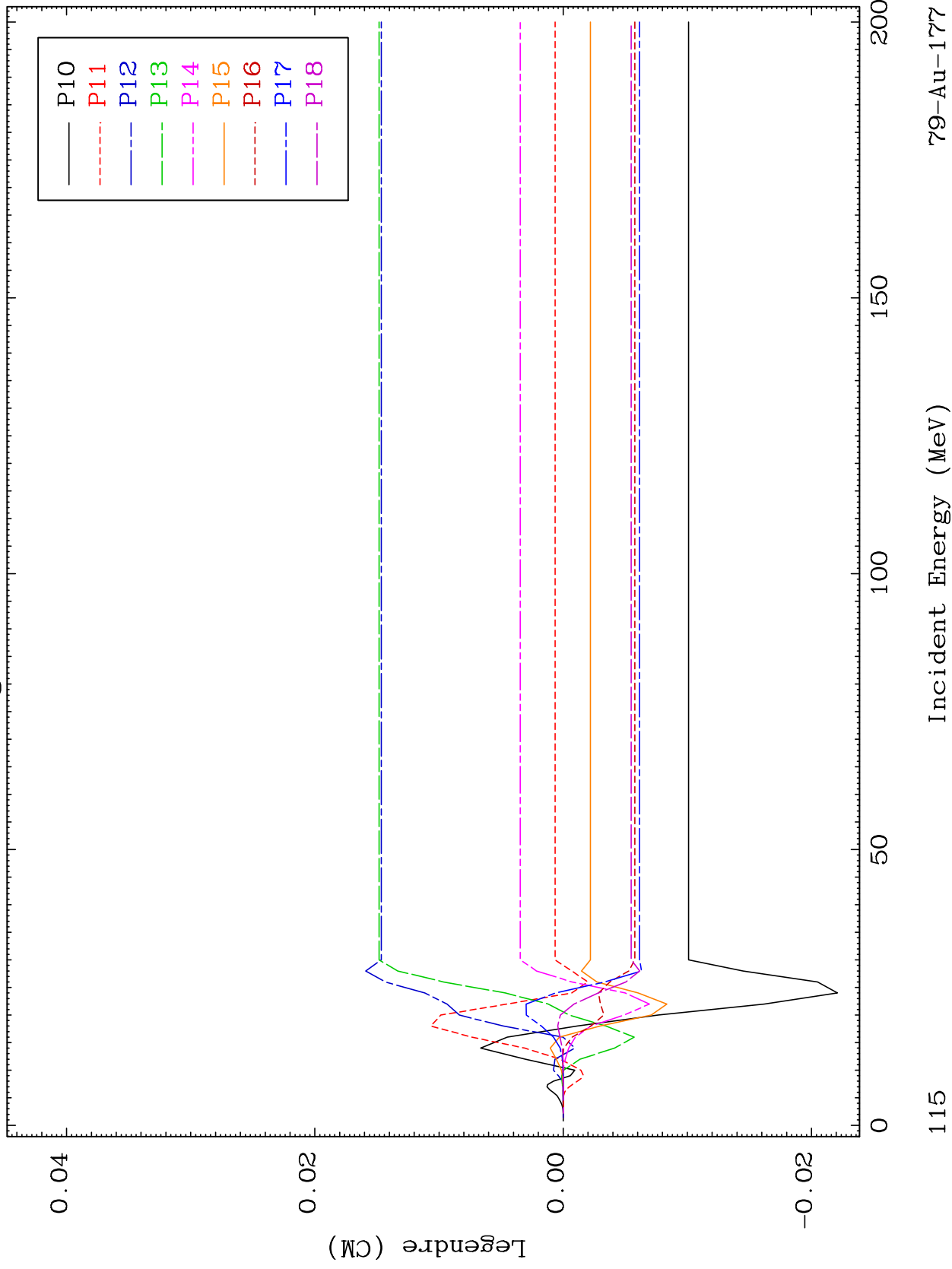
Incident Energy (MeV)

79-Au-177

MAT 7865

MT= 77 (n,n') Level
Legendre Coefficients

79-Au-177



79-Au-177

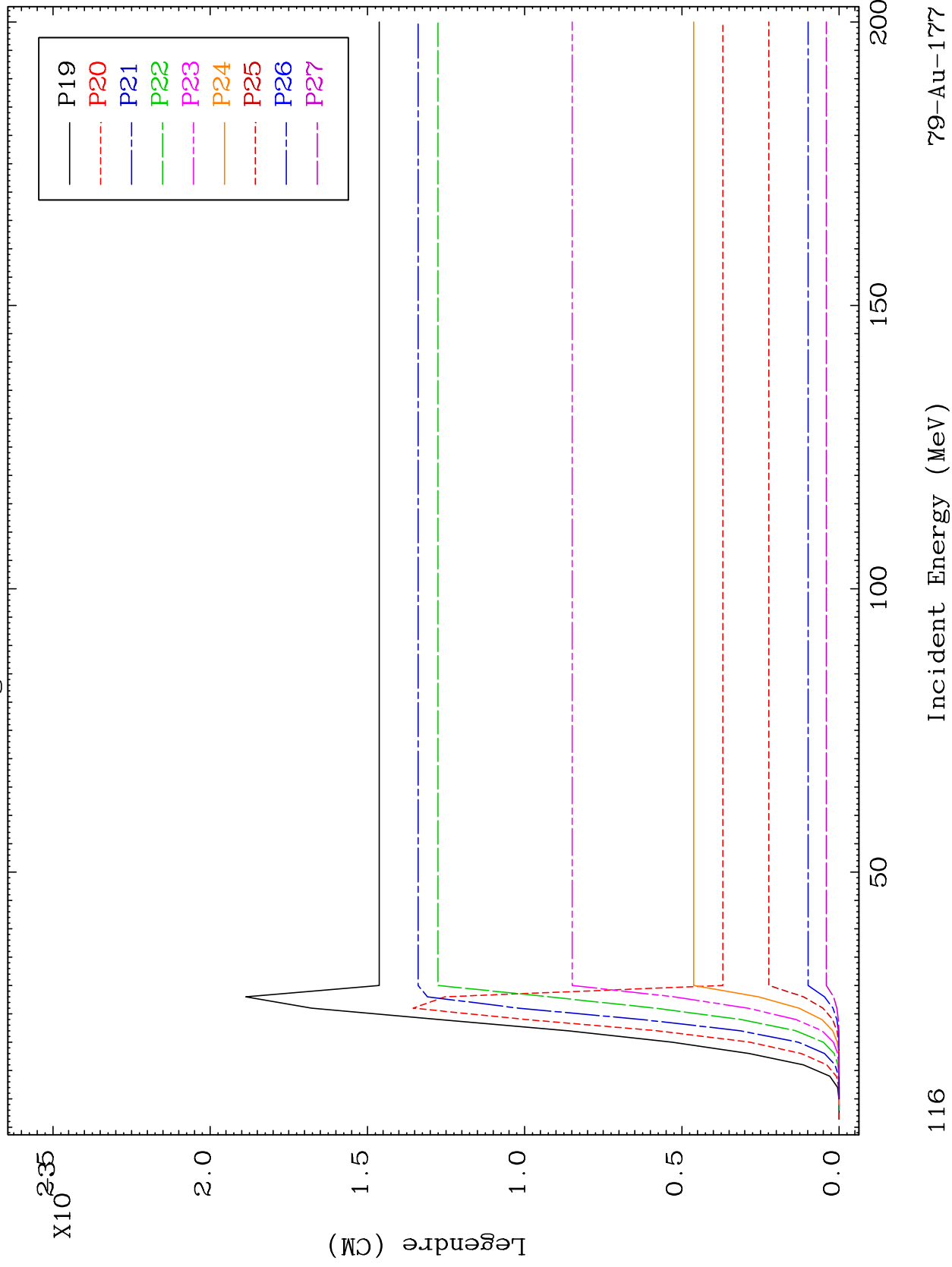
Incident Energy (MeV)

115

MAT 7865

MT= 77 (n,n') Level
Legendre Coefficients

79-Au-177



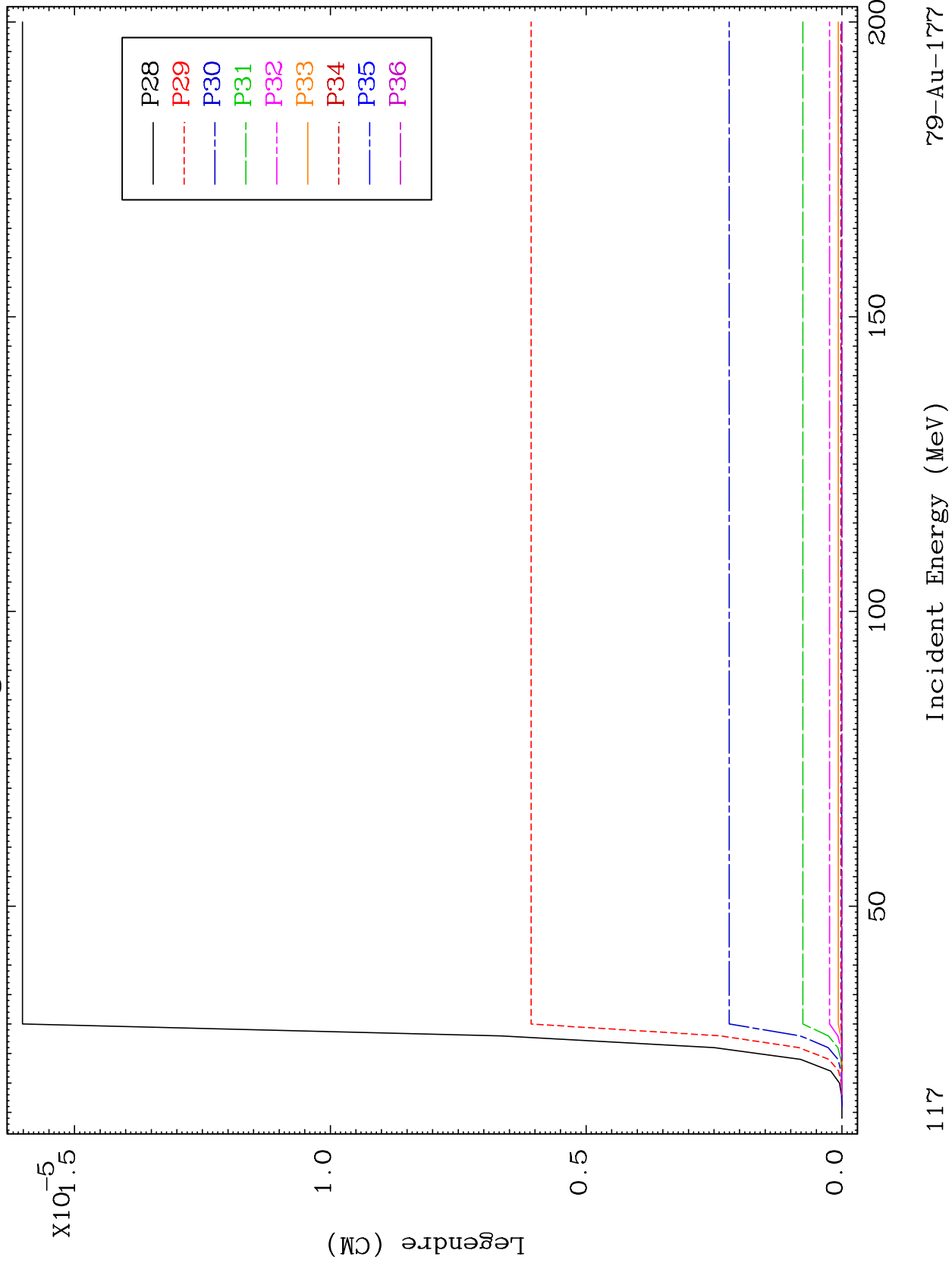
116

79-Au-177

MAT 7865

MT= 77 (n,n') Level
Legendre Coefficients

79-Au-177

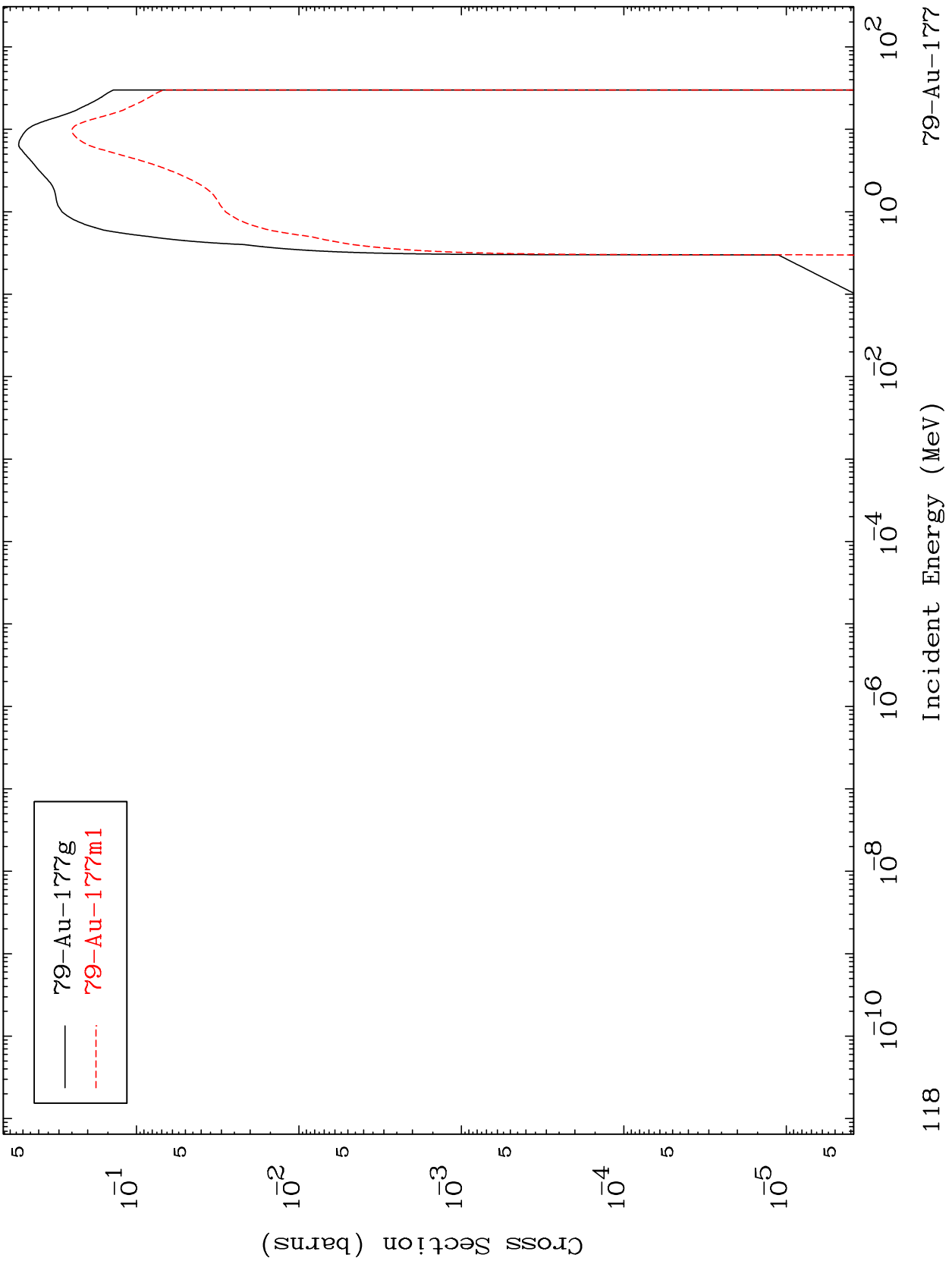


117

MAT 7865

Inelastic
Radionuclide Production Cross Section

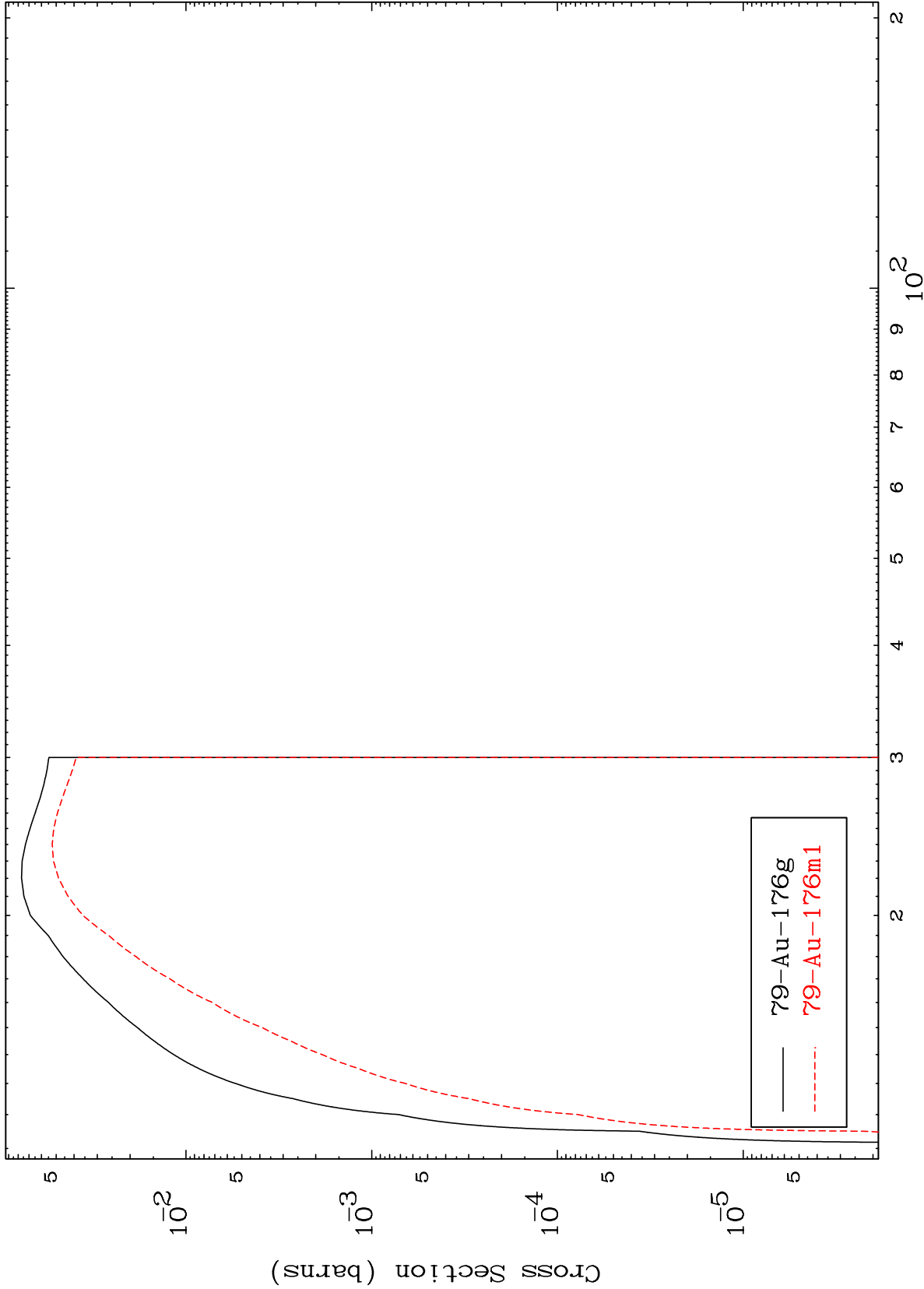
⁷⁹Au-177



MAT 7865

79-Au-177

(n,2n)
Radionuclide Production Cross Section



79-Au-177

Incident Energy (MeV)

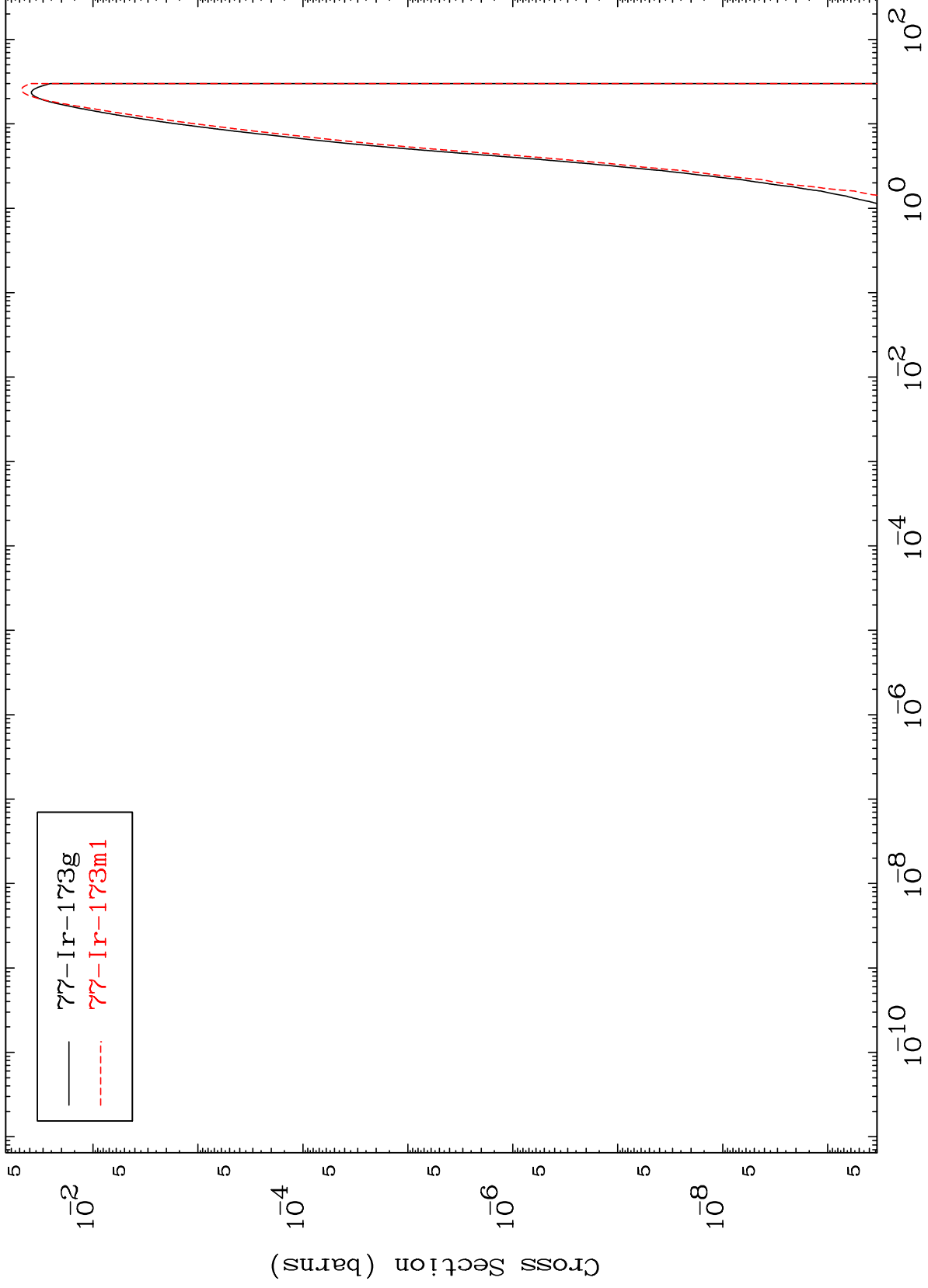
119

MAT 7865

$(n, n') \alpha$

$^{79}\text{Au-177}$

Radionuclide Production Cross Section



120

Incident Energy (MeV)

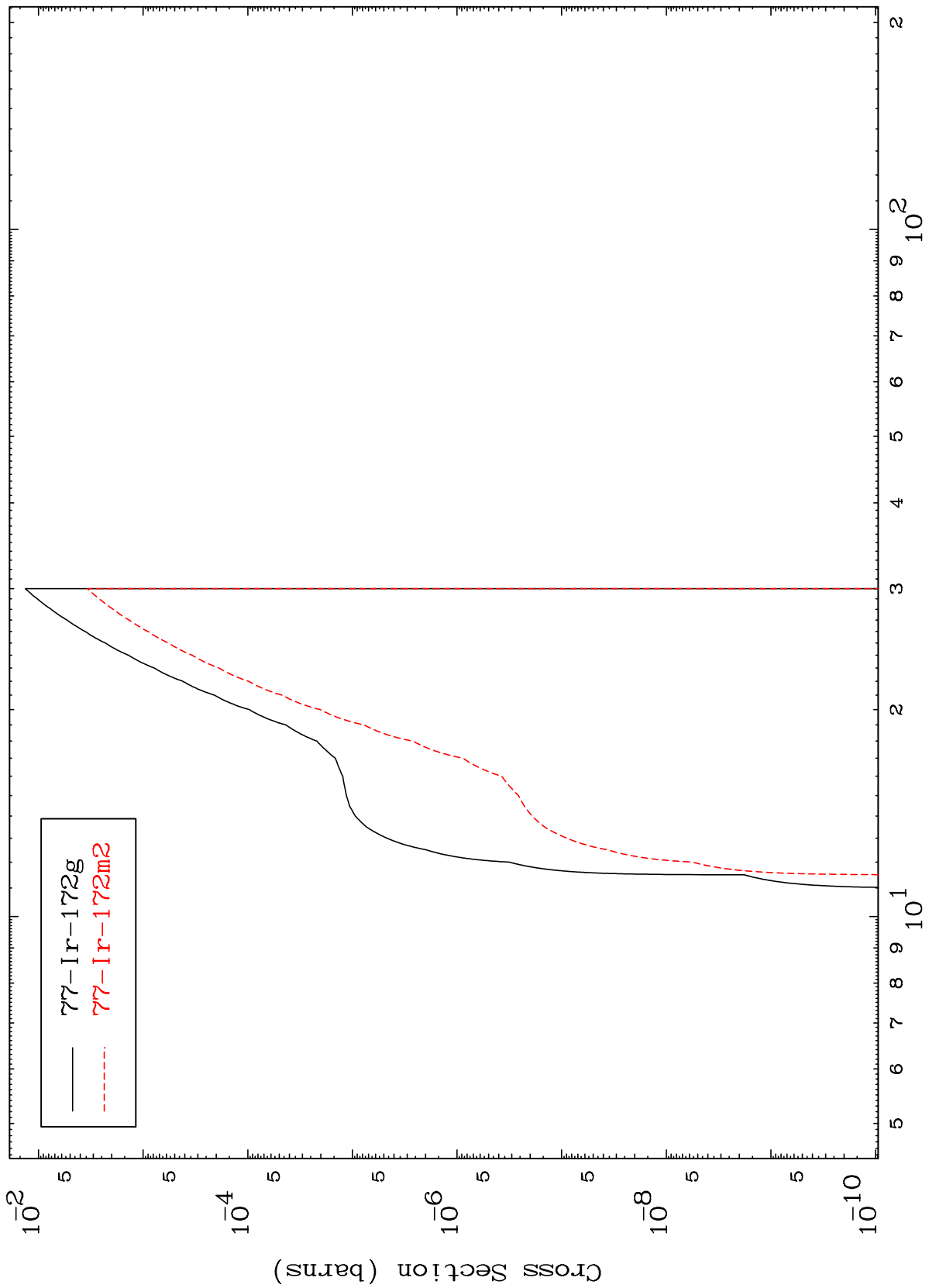
$^{79}\text{Au-177}$

MAT 7865

$(n, 2n)$ α

$^{79}\text{Au-177}$

Radionuclide Production Cross Section



— $^{77}\text{Ir-172g}$
- - - $^{77}\text{Ir-172m2}$

121

Incident Energy (MeV)

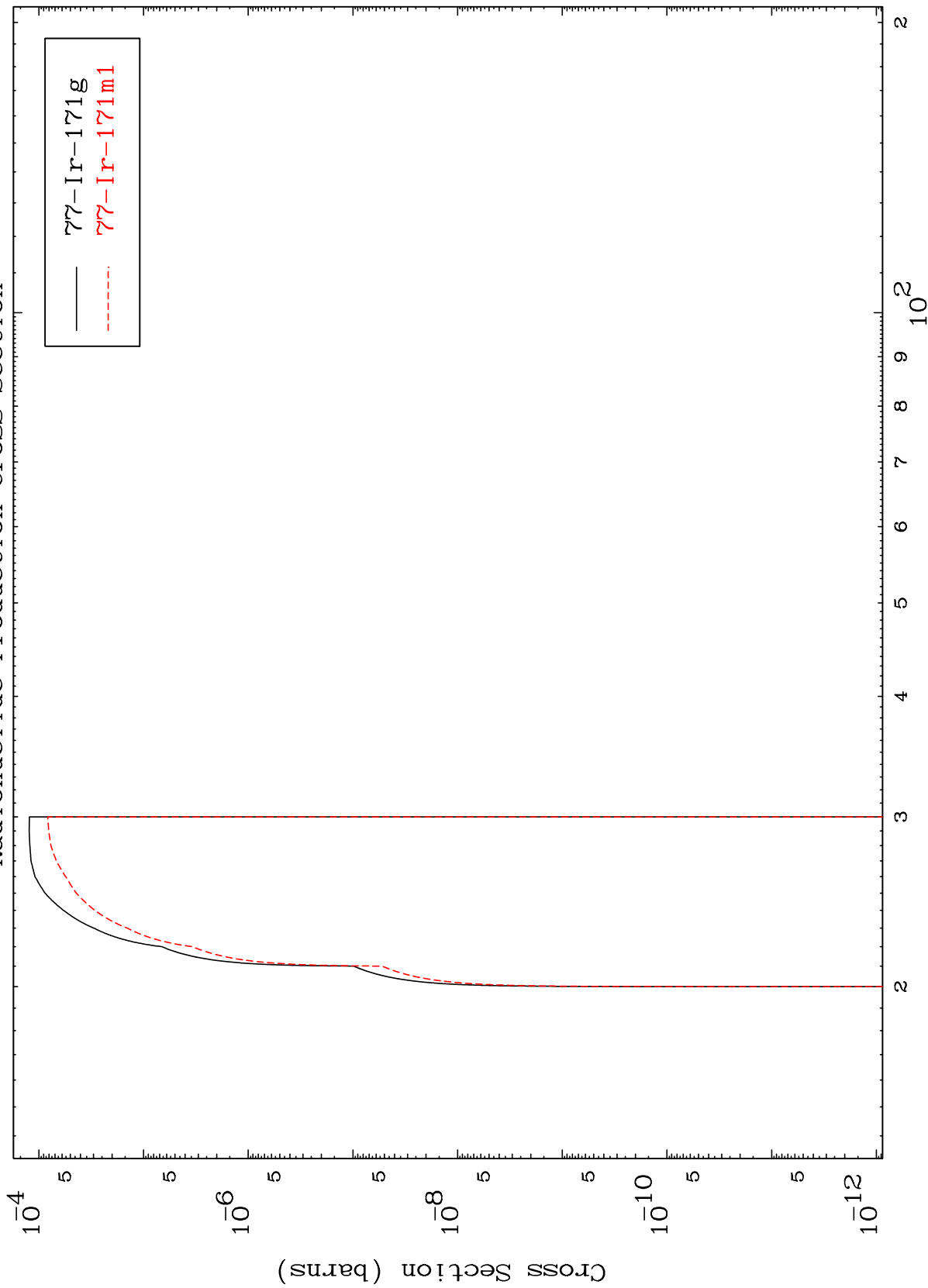
$^{79}\text{Au-177}$

MAT 7865

$(n,3n) \alpha$

$^{79}\text{Au-177}$

Radionuclide Production Cross Section



122

Incident Energy (MeV)

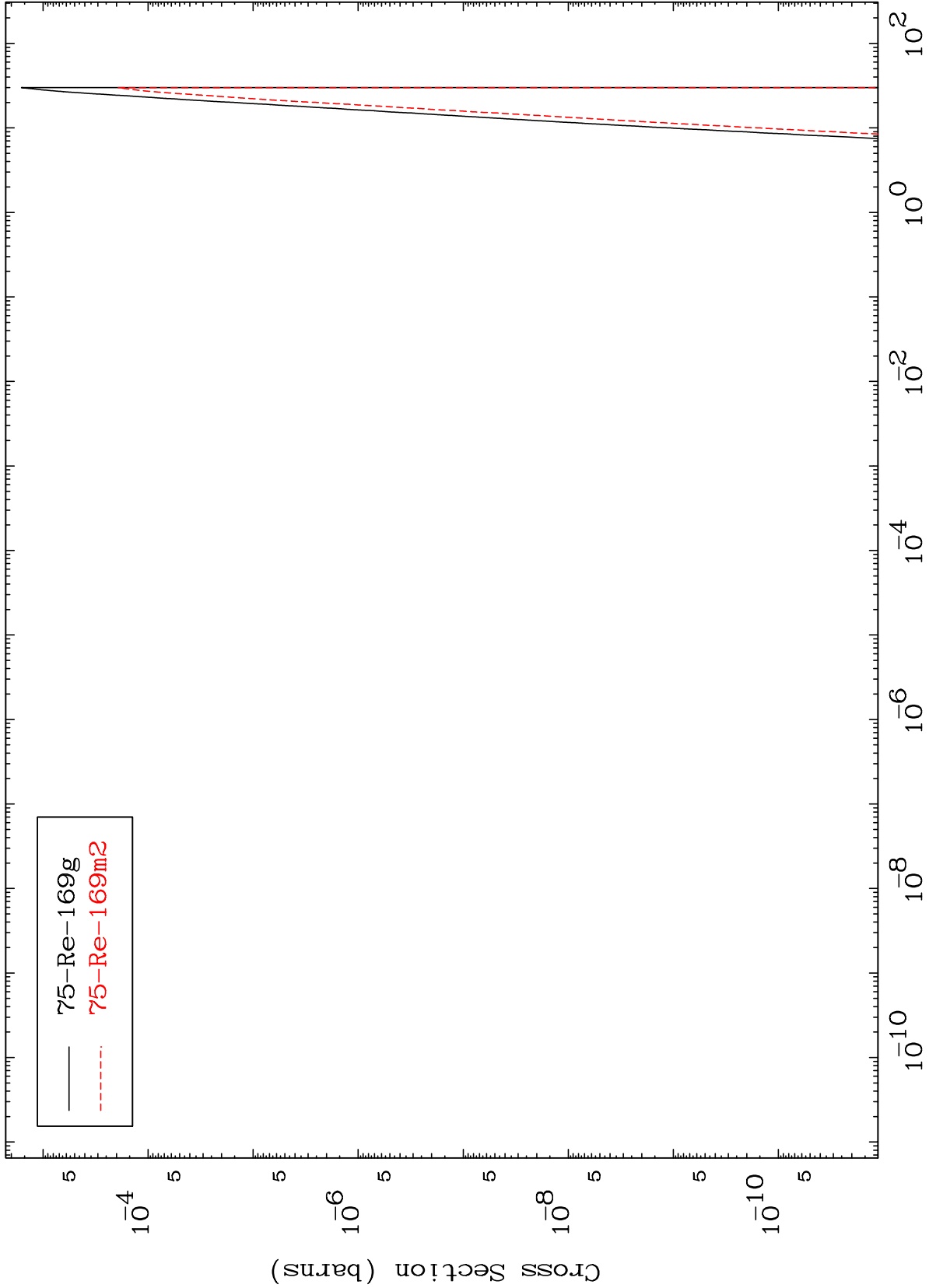
$^{79}\text{Au-177}$

MAT 7865

(n,n') 2 α

79-Au-177

Radionuclide Production Cross Section



123

Incident Energy (MeV)

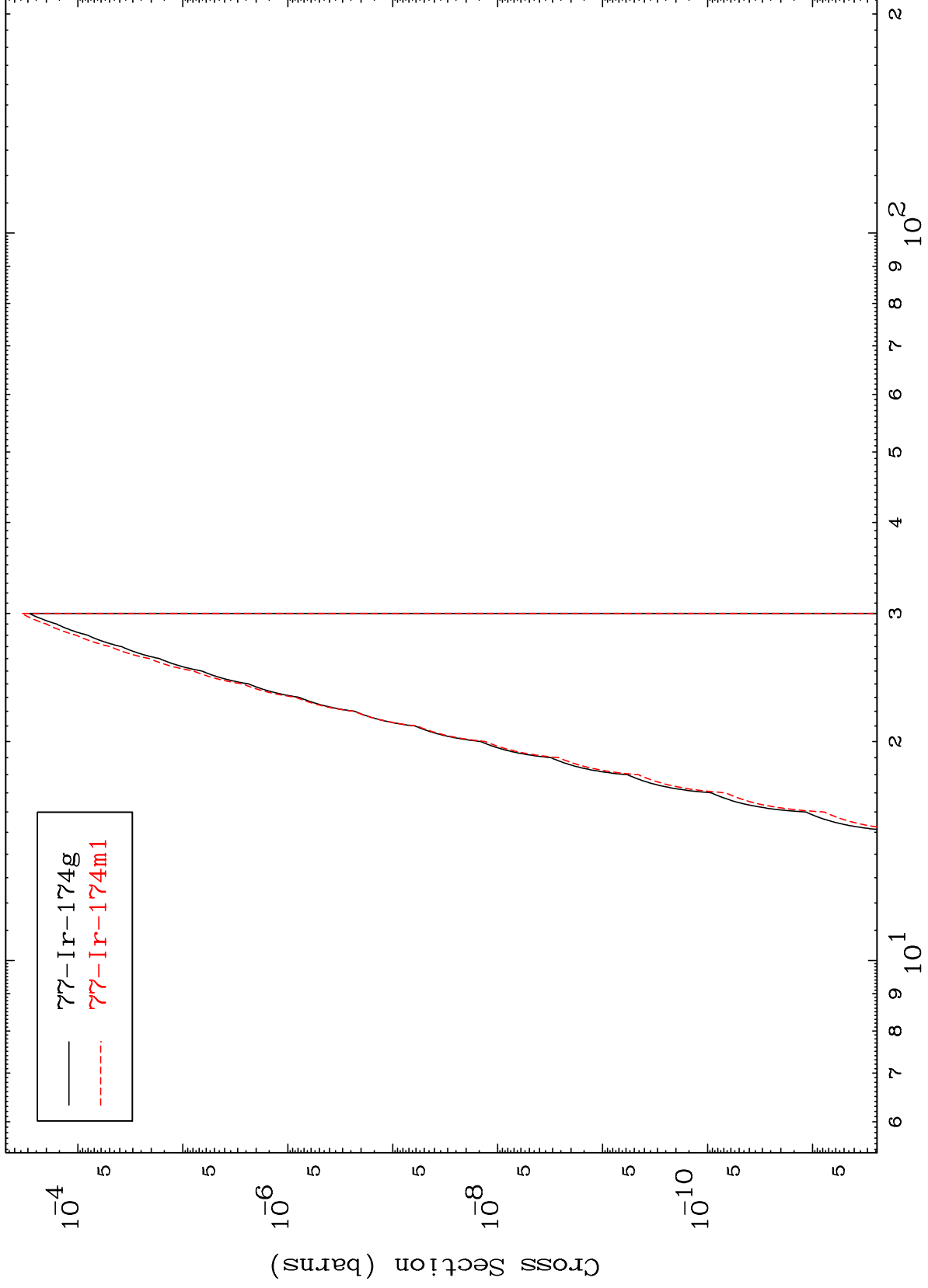
79-Au-177

MAT 7865

(n,n') He-3

79-Au-177

Radionuclide Production Cross Section



124

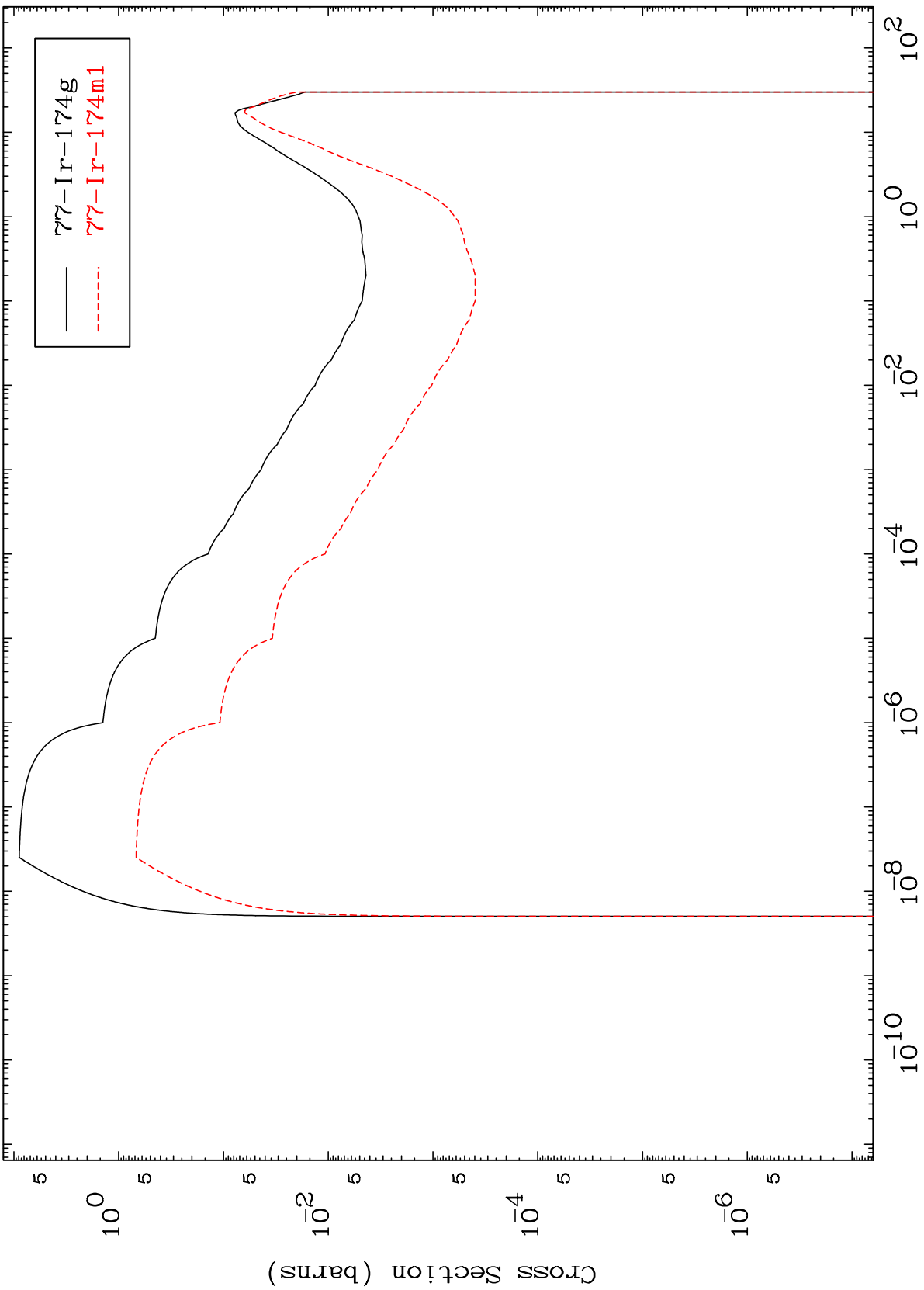
Incident Energy (MeV)

79-Au-177

MAT 7865

79-Au-177

(n,α)
Radionuclide Production Cross Section



79-Au-177

Incident Energy (MeV)

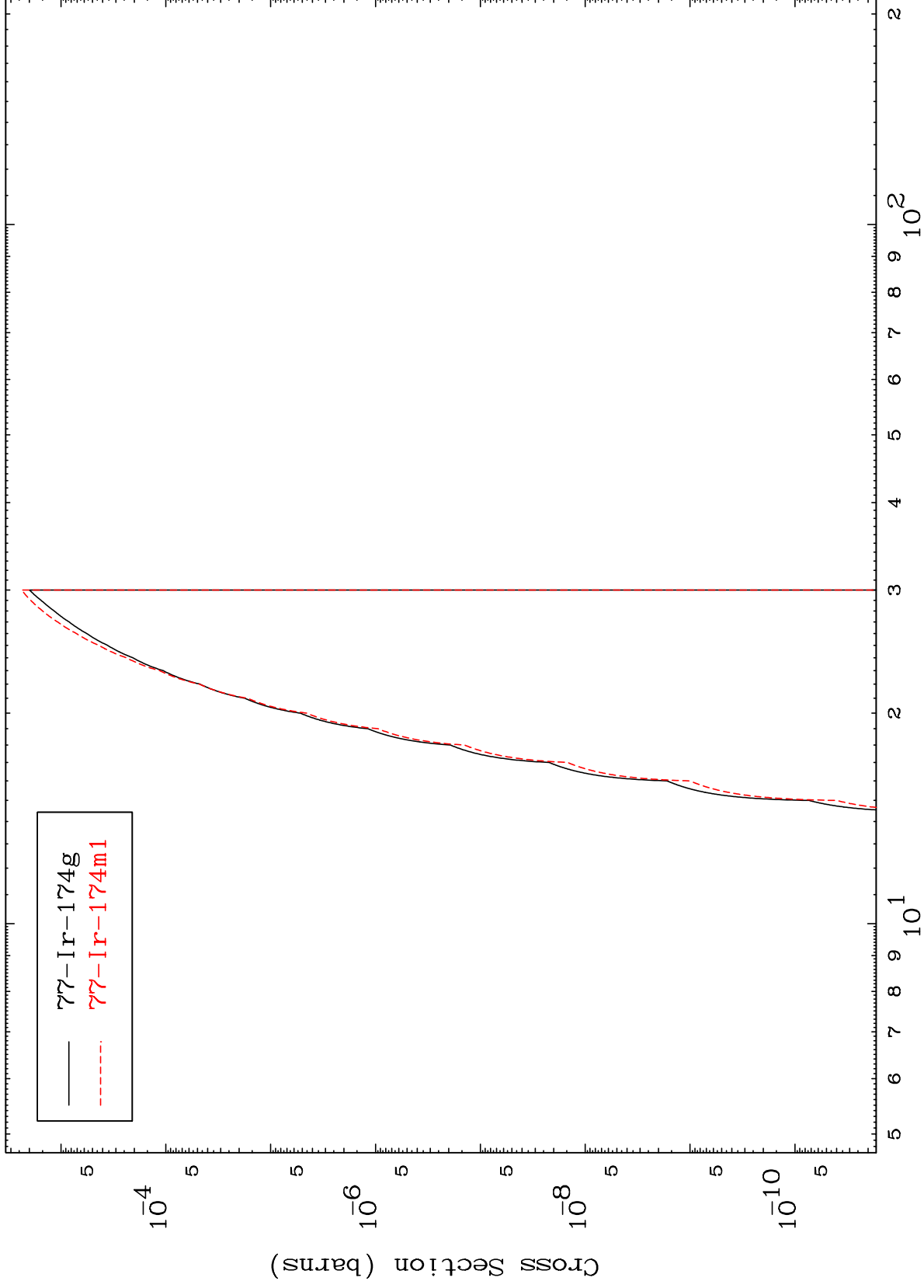
125

MAT 7865

(n,p) t

⁷⁹Au-177

Radionuclide Production Cross Section



126

Incident Energy (MeV)

⁷⁹Au-177