

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

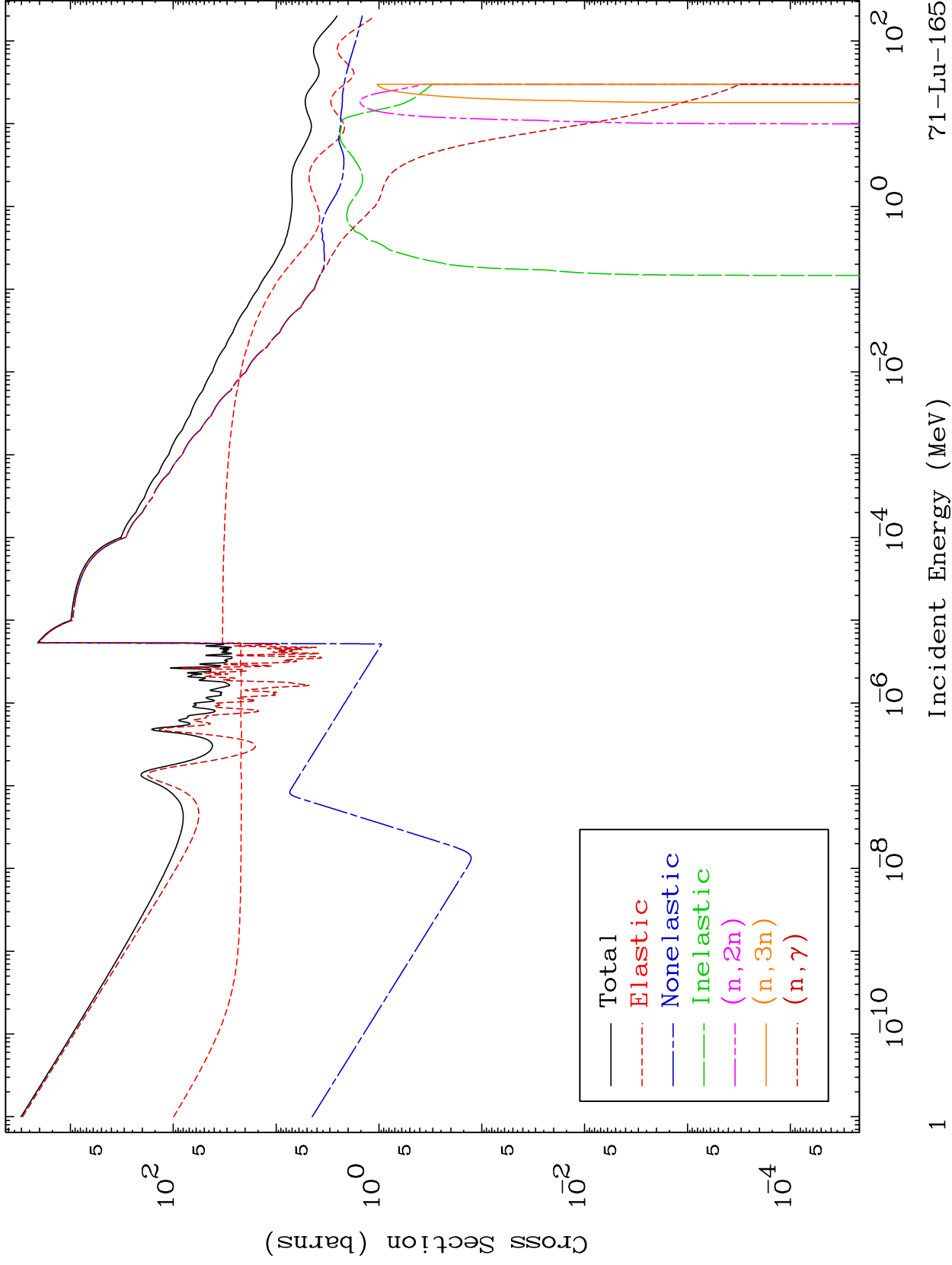
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7095

Neutron Major
293 Kelvin Cross Sections

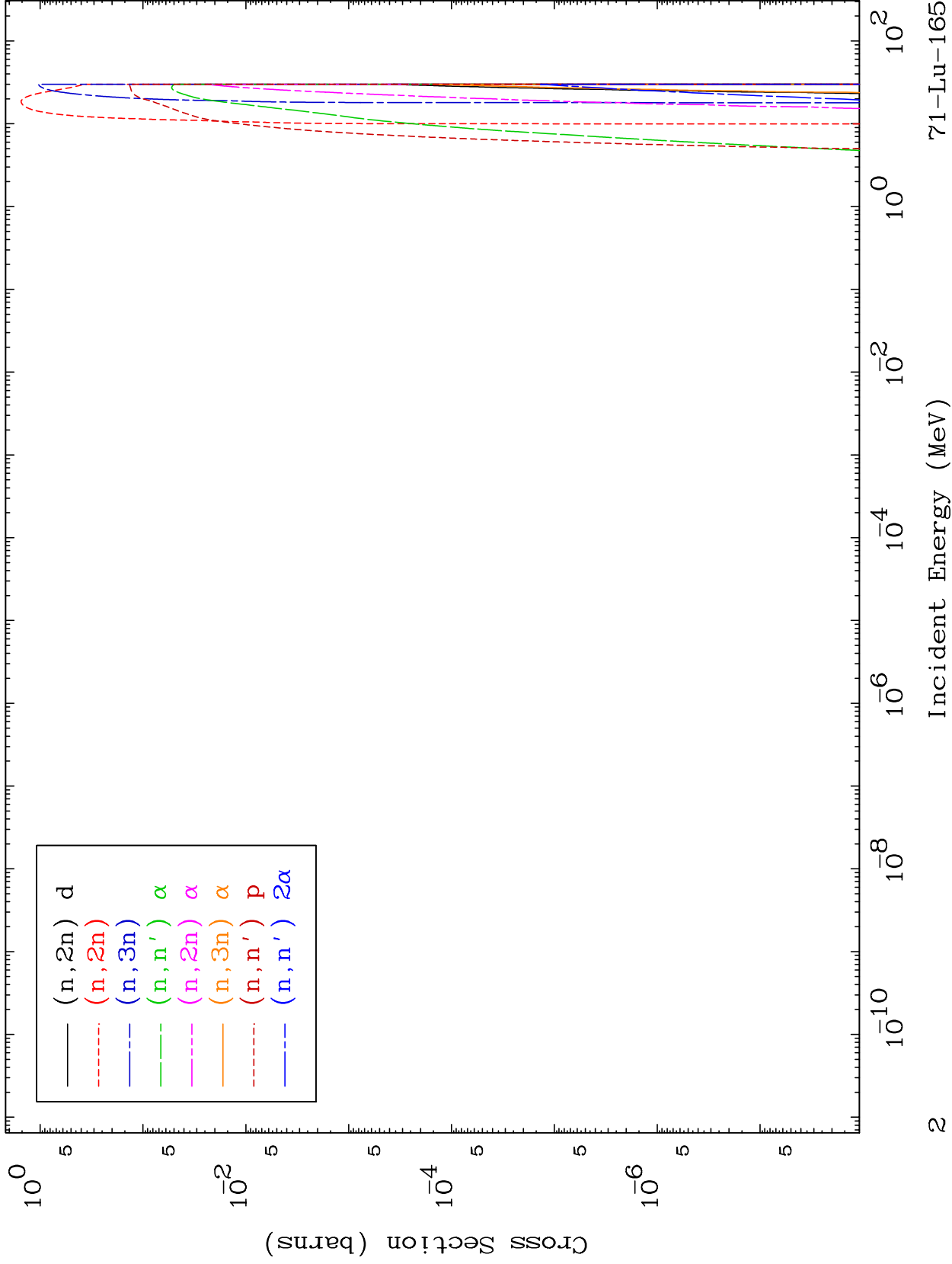
71-Lu-165



MAT 7095

Neutron Absorption
293 Kelvin Cross Sections

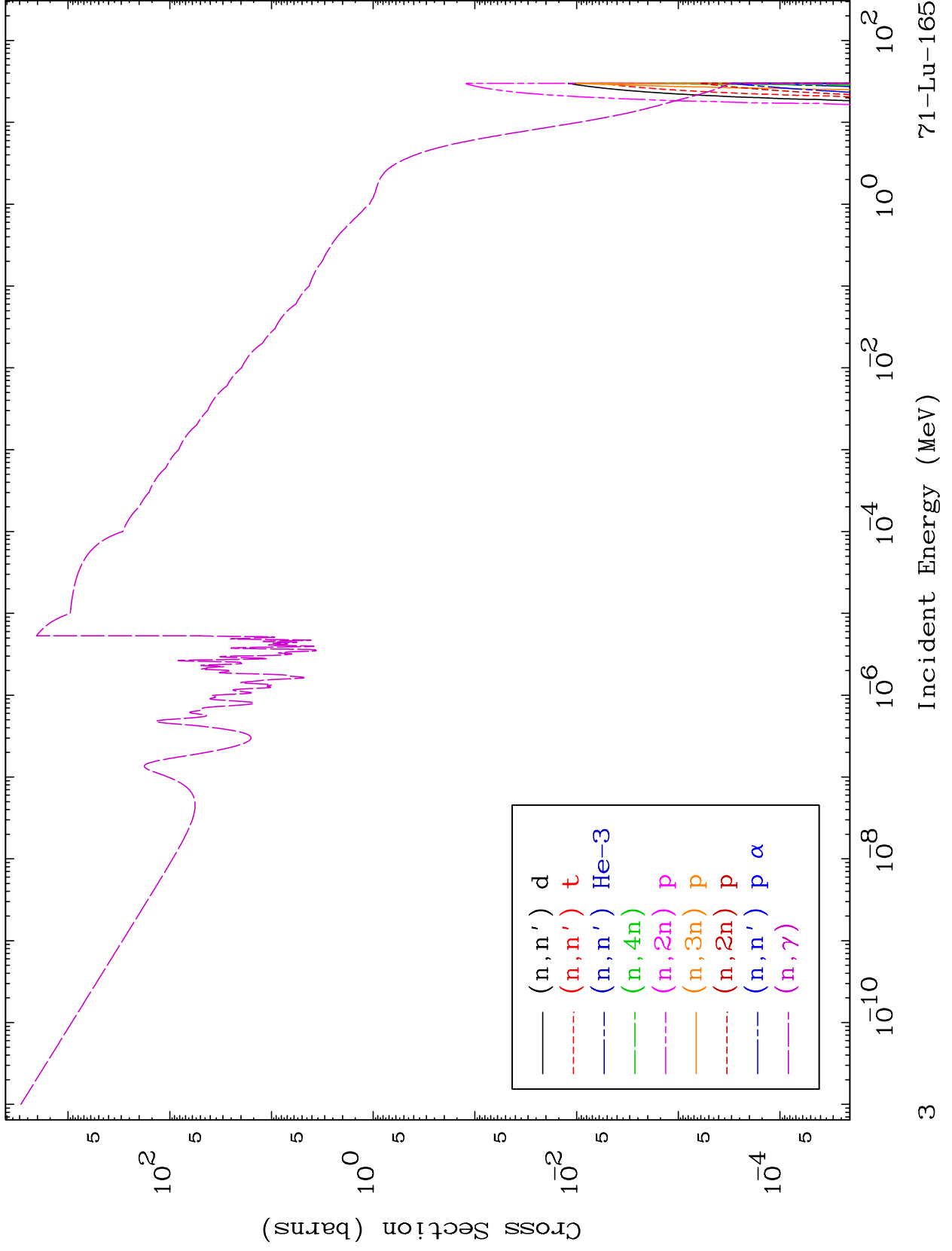
71-Lu-165



MAT 7095

Neutron Absorption
293 Kelvin Cross Sections

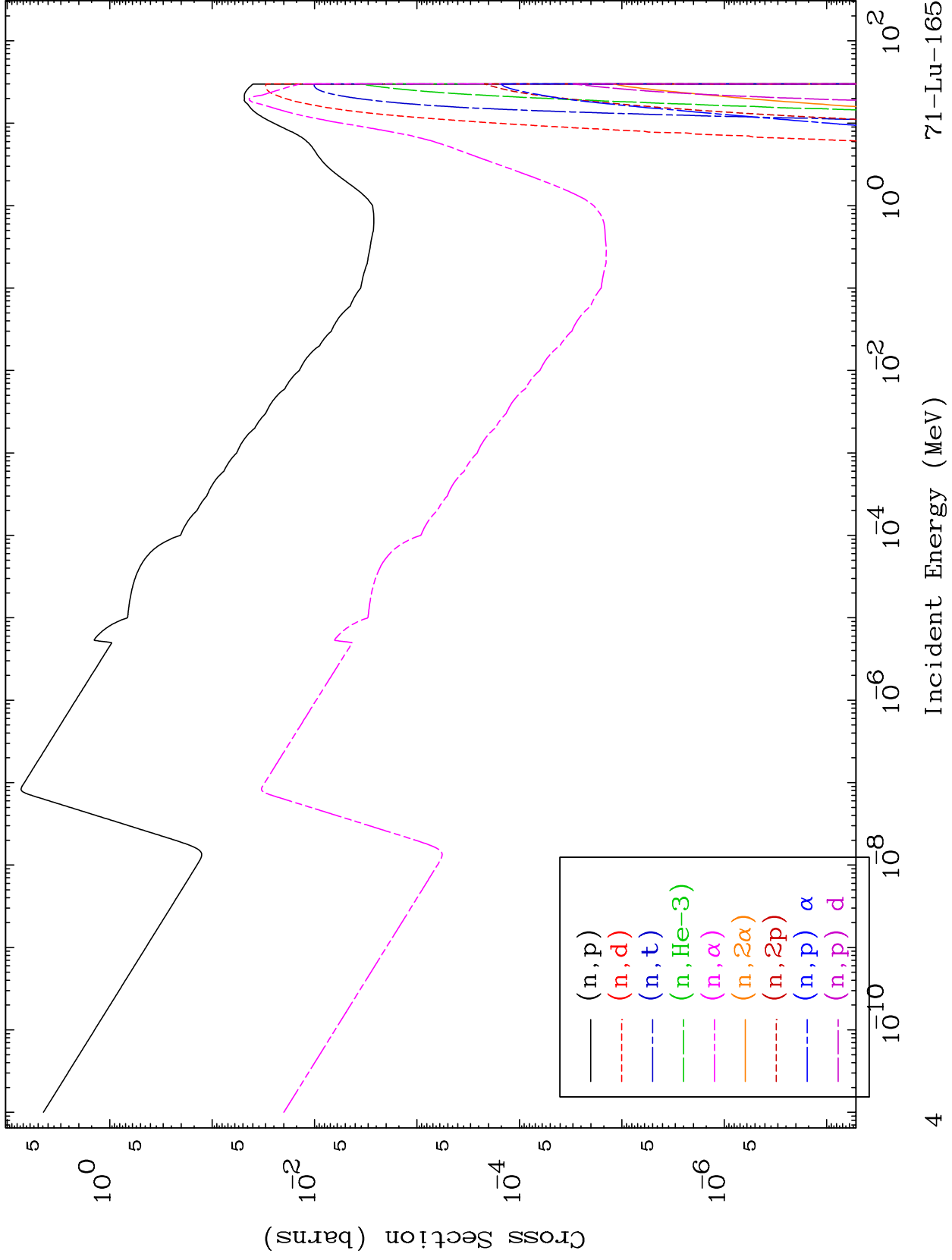
71-Lu-165

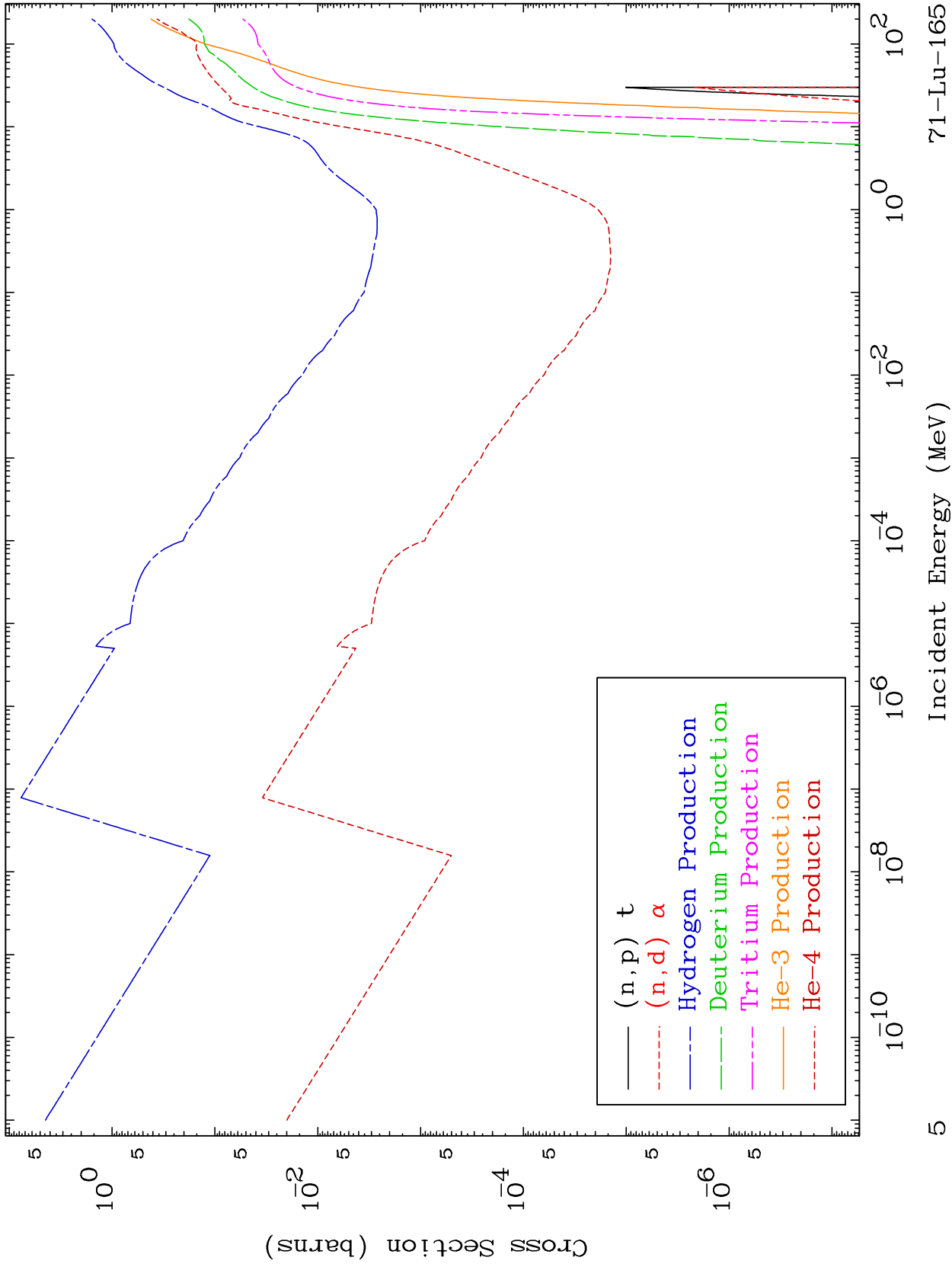


MAT 7095

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-165

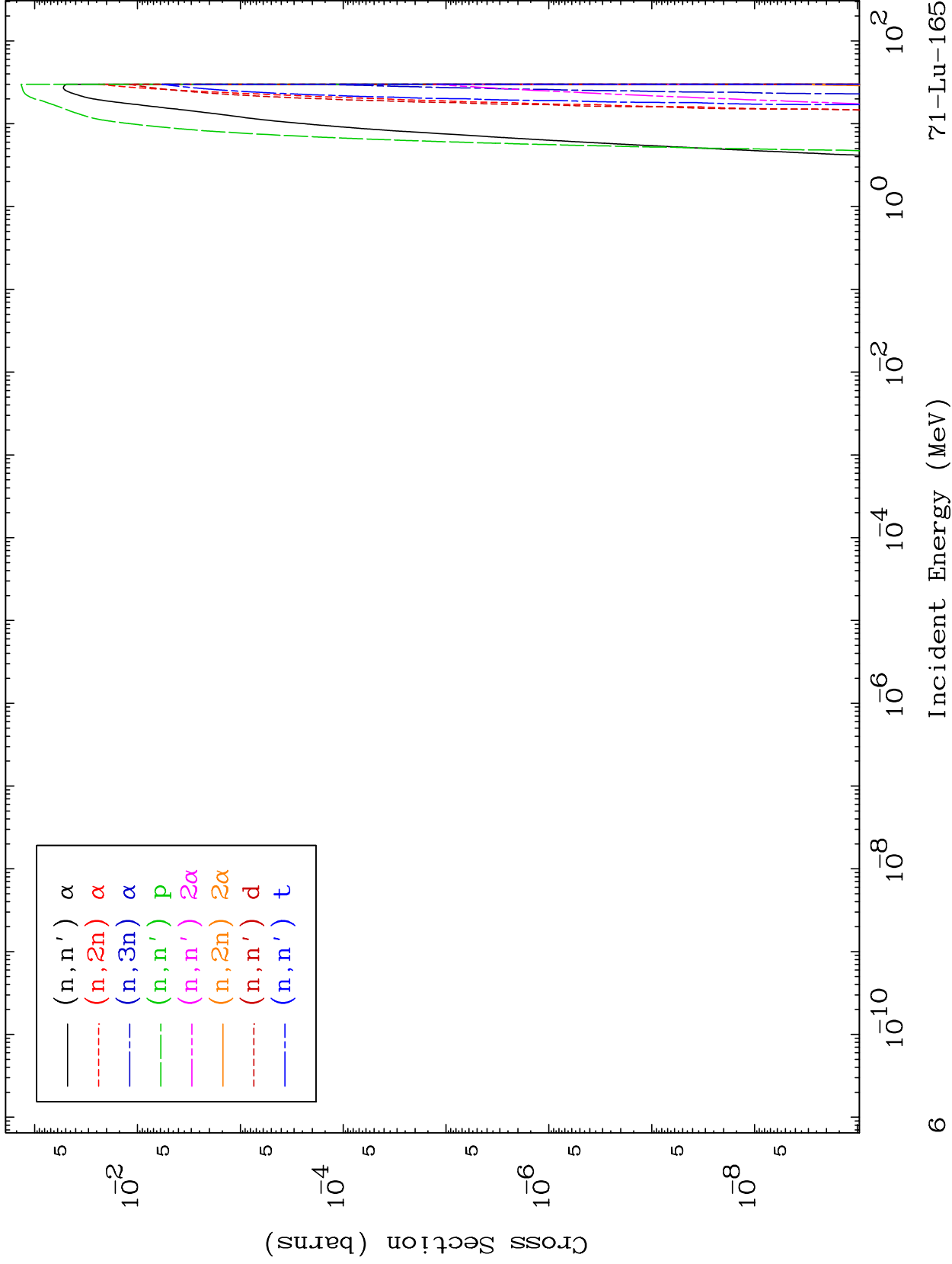




MAT 7095

Charged Particle
293 Kelvin Cross Sections

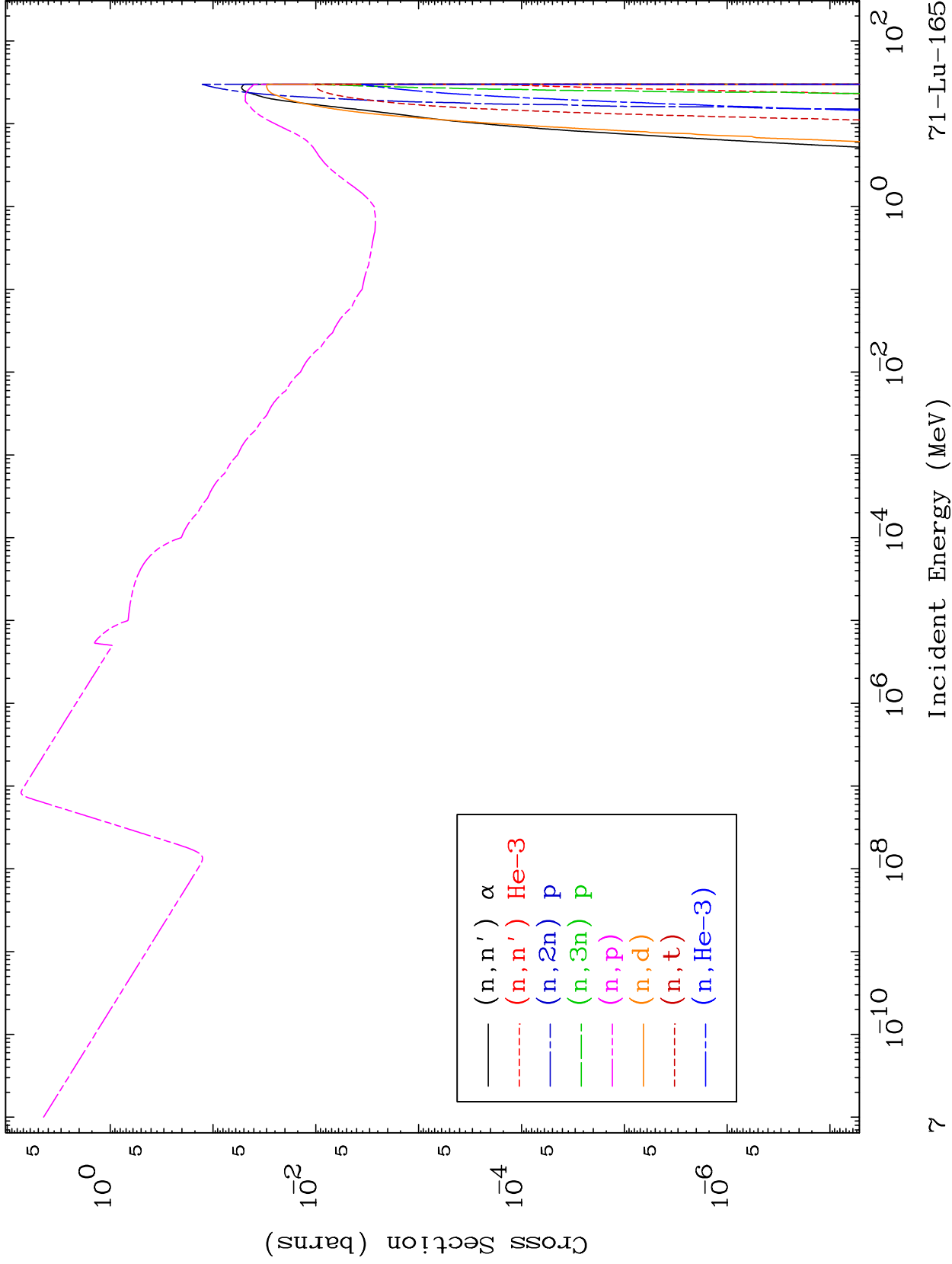
71-Lu-165



MAT 7095

Charged Particle
293 Kelvin Cross Sections

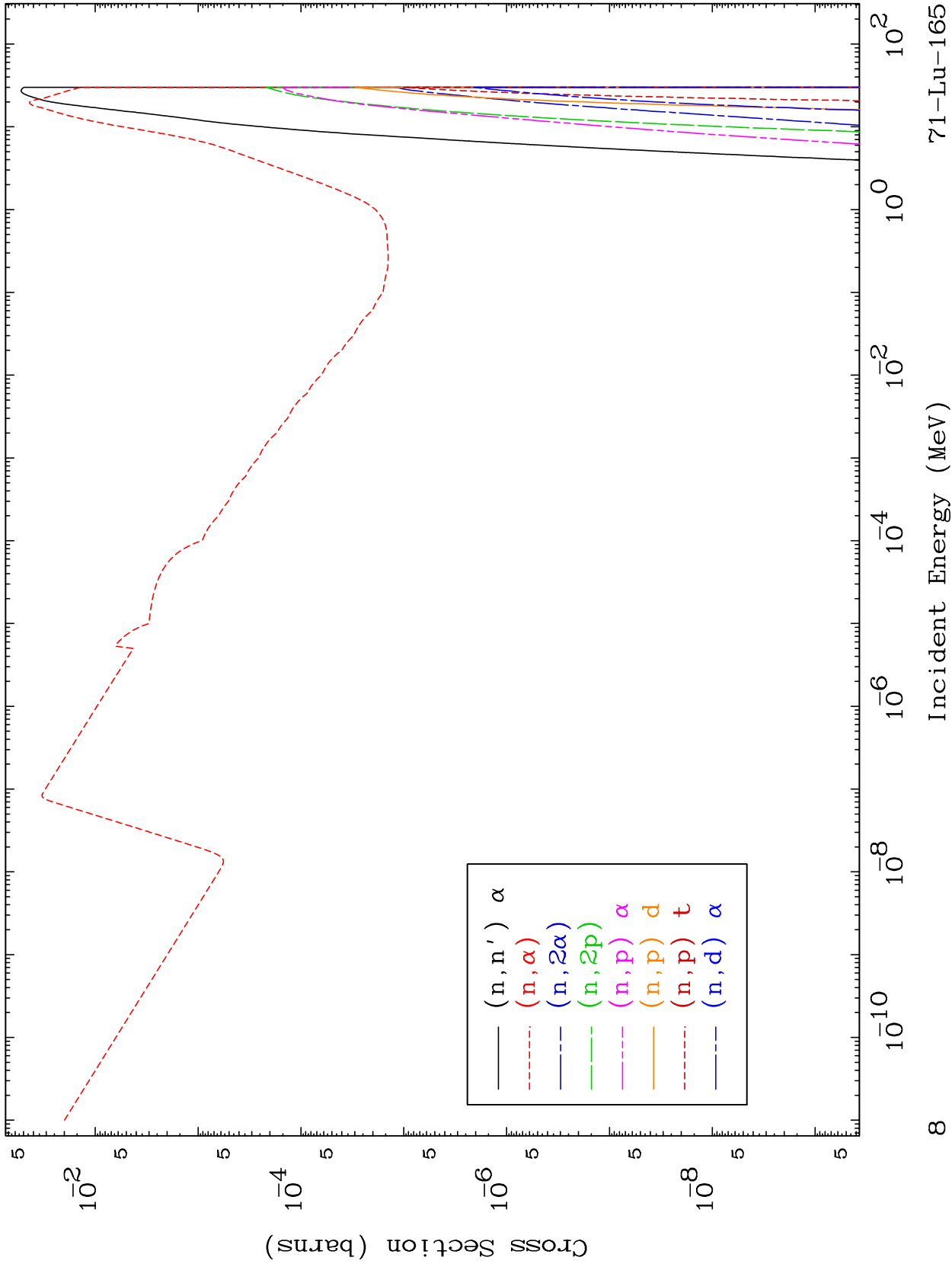
71-Lu-165



MAT 7095

Charged Particle
293 Kelvin Cross Sections

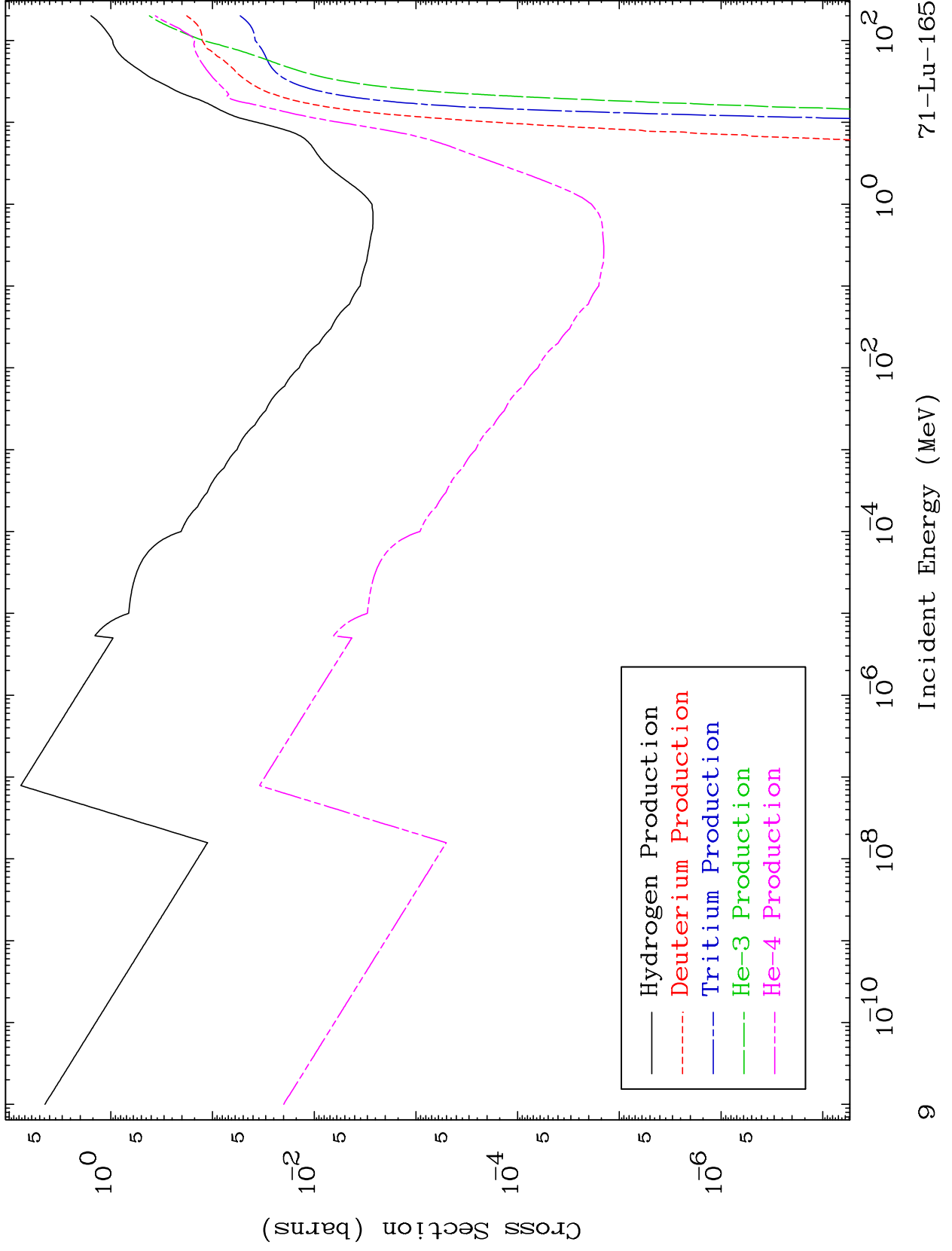
71-Lu-165



MAT 7095

Particle Production
293 Kelvin Cross Sections

71-Lu-165

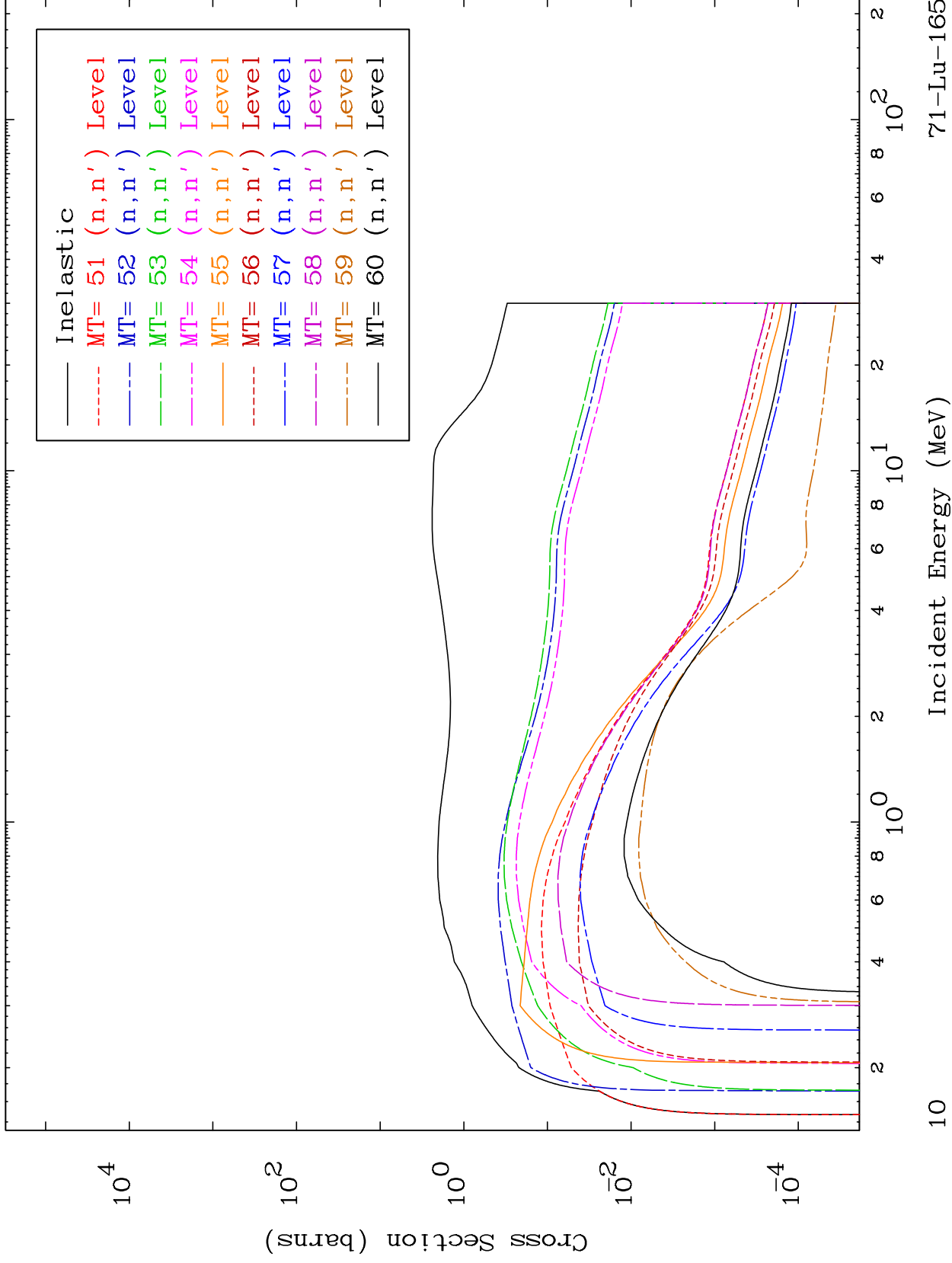


MAT 7095

(n,n') Levels

71-Lu-165

293 Kelvin Cross Sections



10

Incident Energy (MeV)

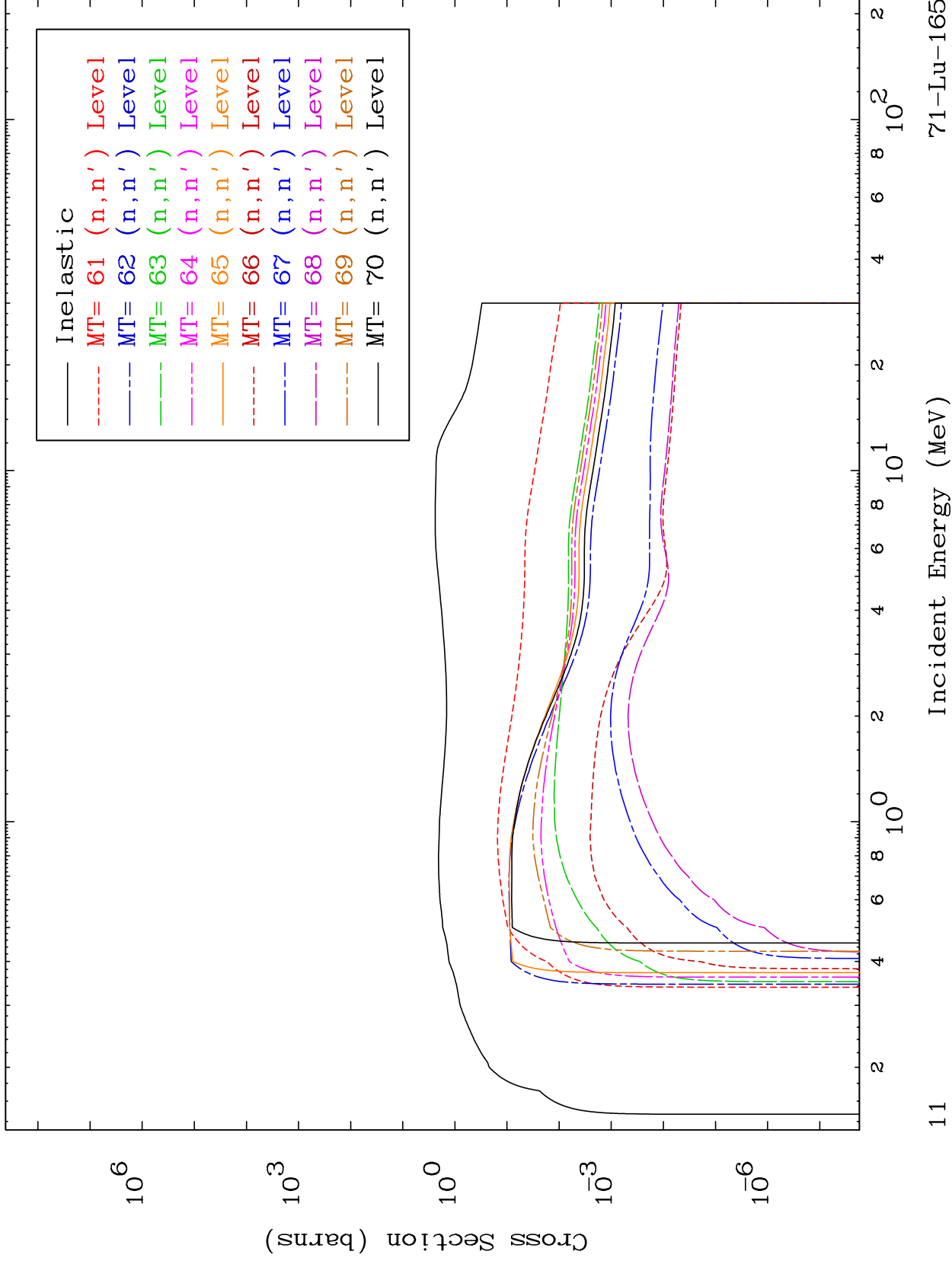
71-Lu-165

MAT 7095

(n,n') Levels

71-Lu-165

293 Kelvin Cross Sections

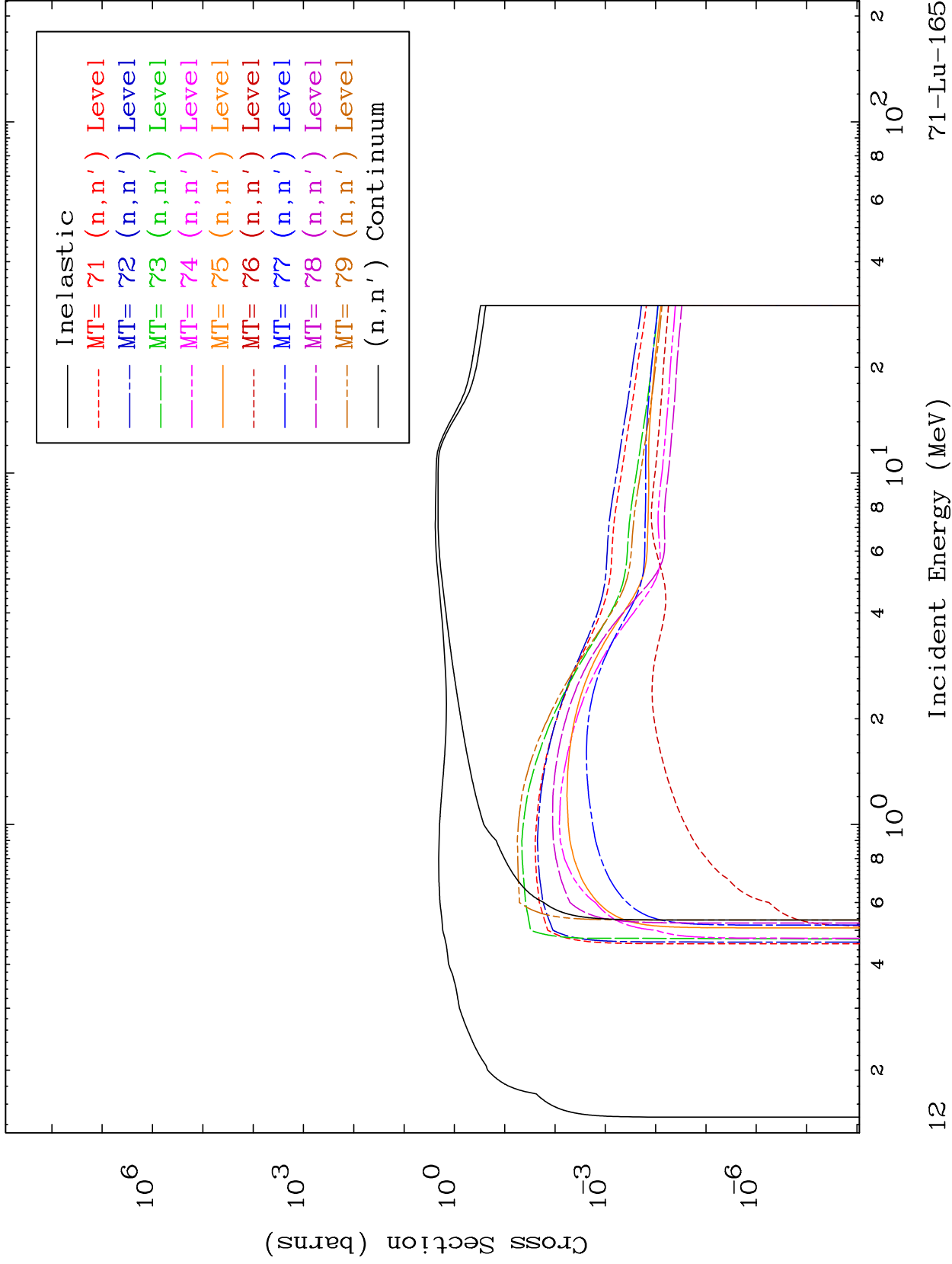


MAT 7095

(n,n') Levels

293 Kelvin Cross Sections

71-Lu-165



12

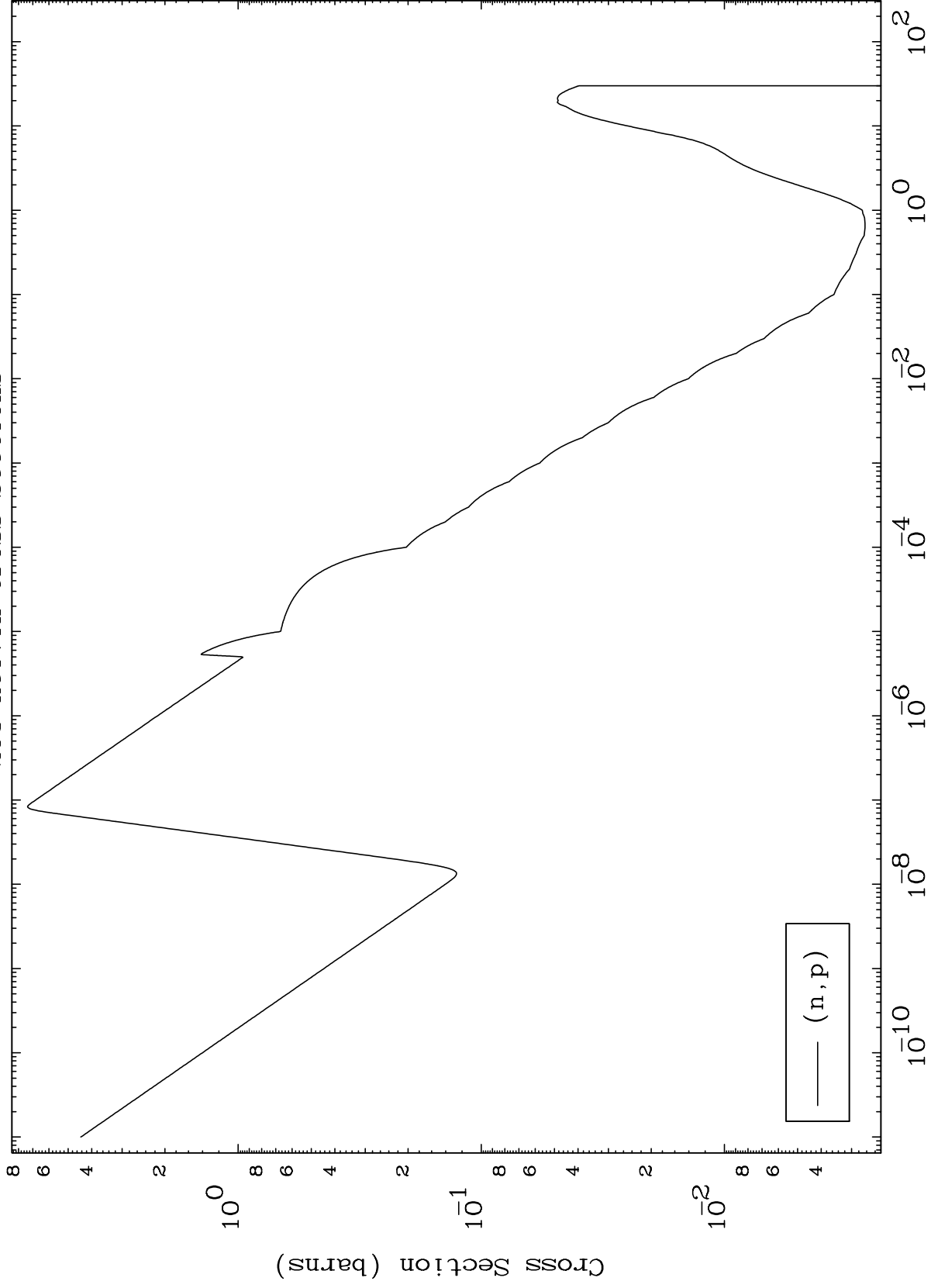
Incident Energy (MeV)

71-Lu-165

MAT 7095

(n,p) Levels
293 Kelvin Cross Sections

71-Lu-165



13

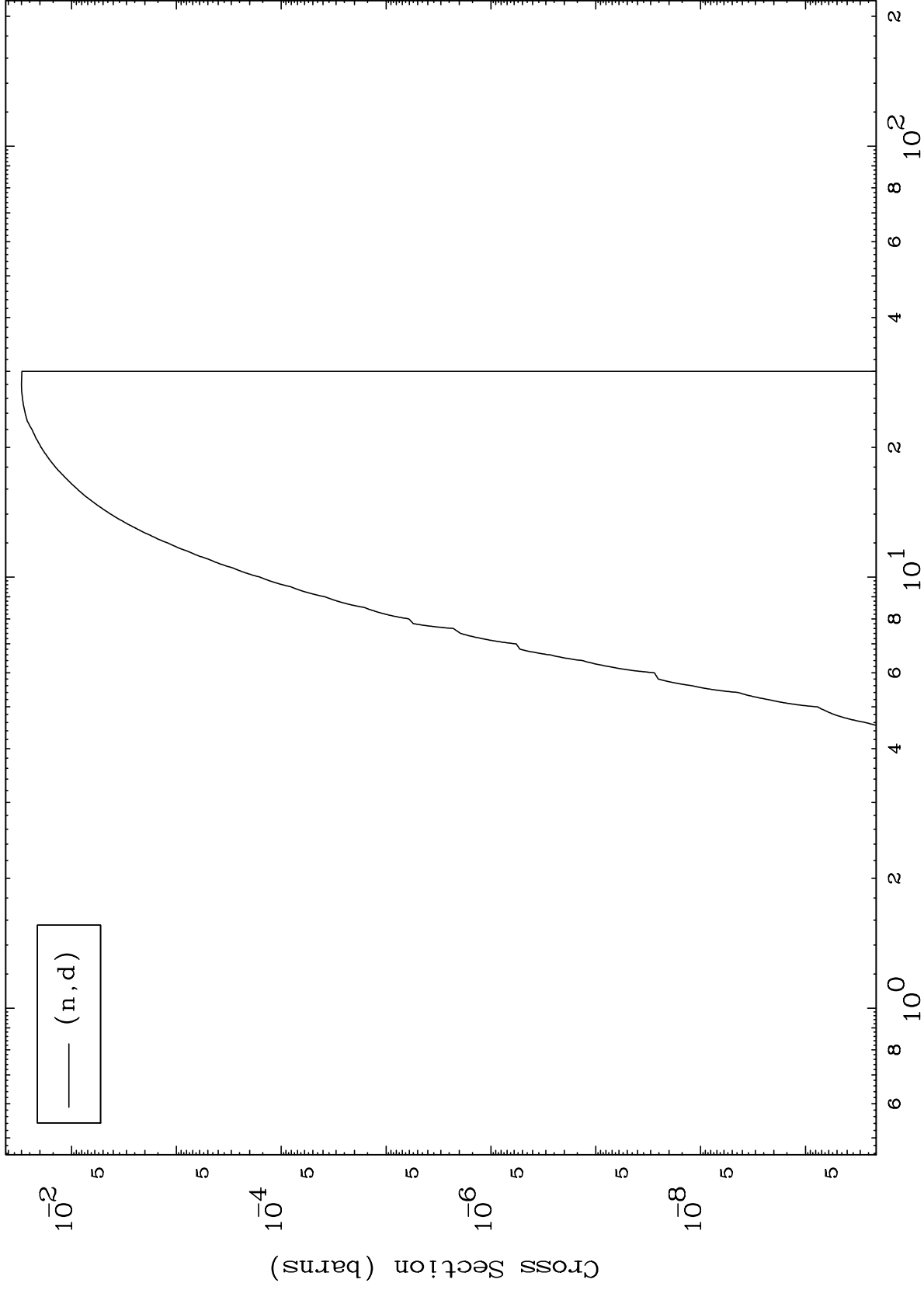
Incident Energy (MeV)

71-Lu-165

MAT 7095

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-165



14

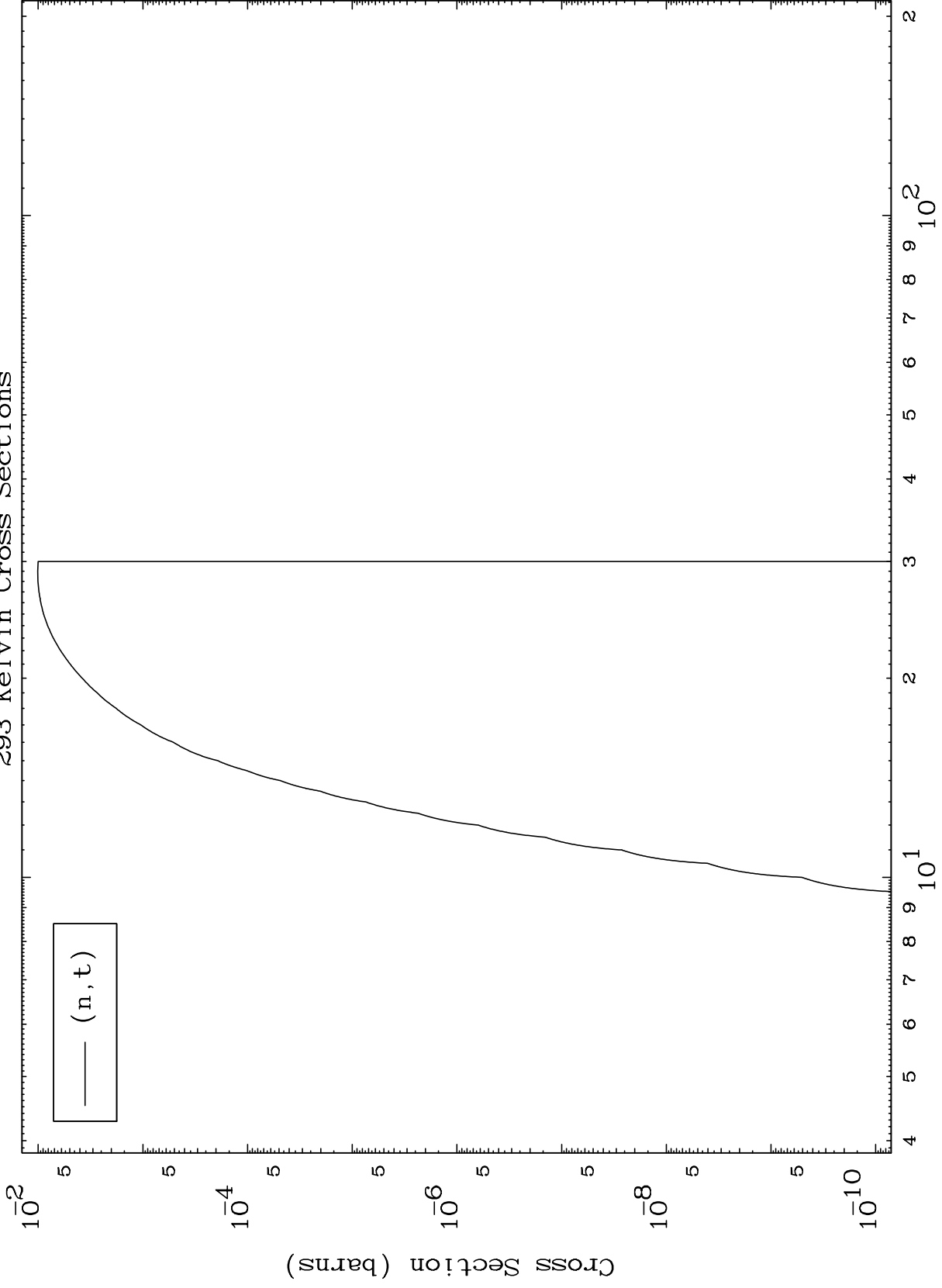
Incident Energy (MeV)

71-Lu-165

MAT 7095

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-165



15

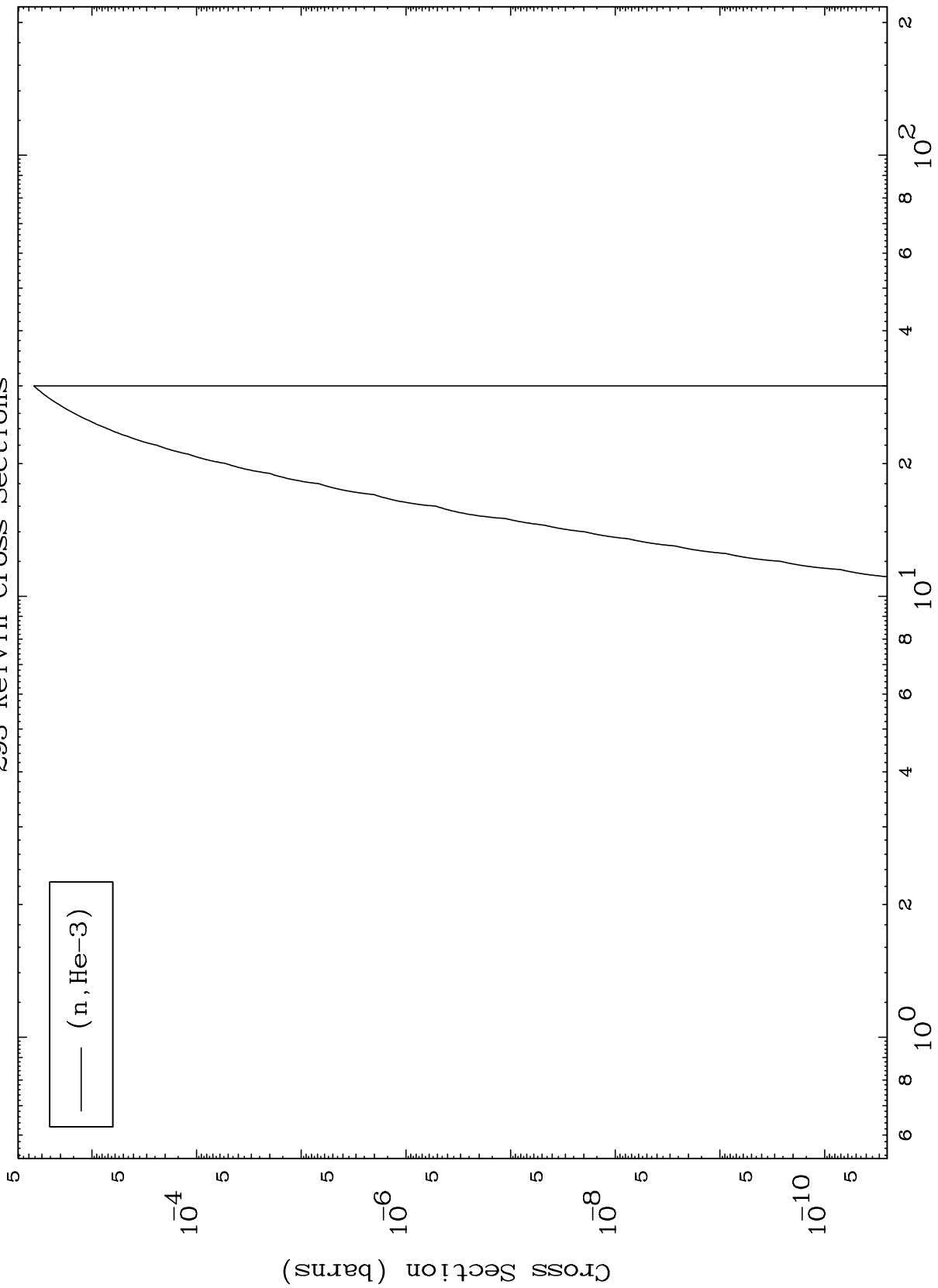
Incident Energy (MeV)

71-Lu-165

MAT 7095

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-165



16

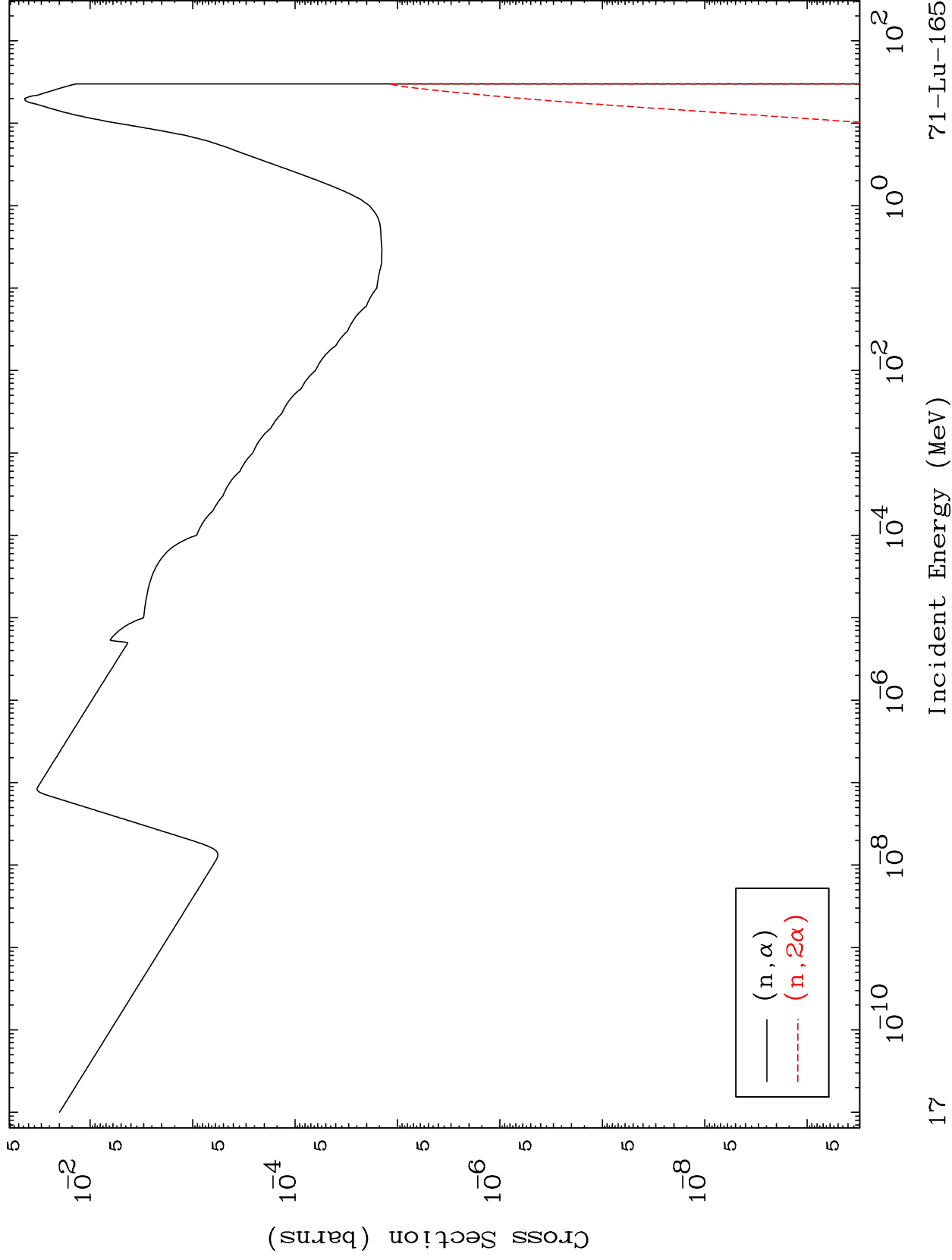
Incident Energy (MeV)

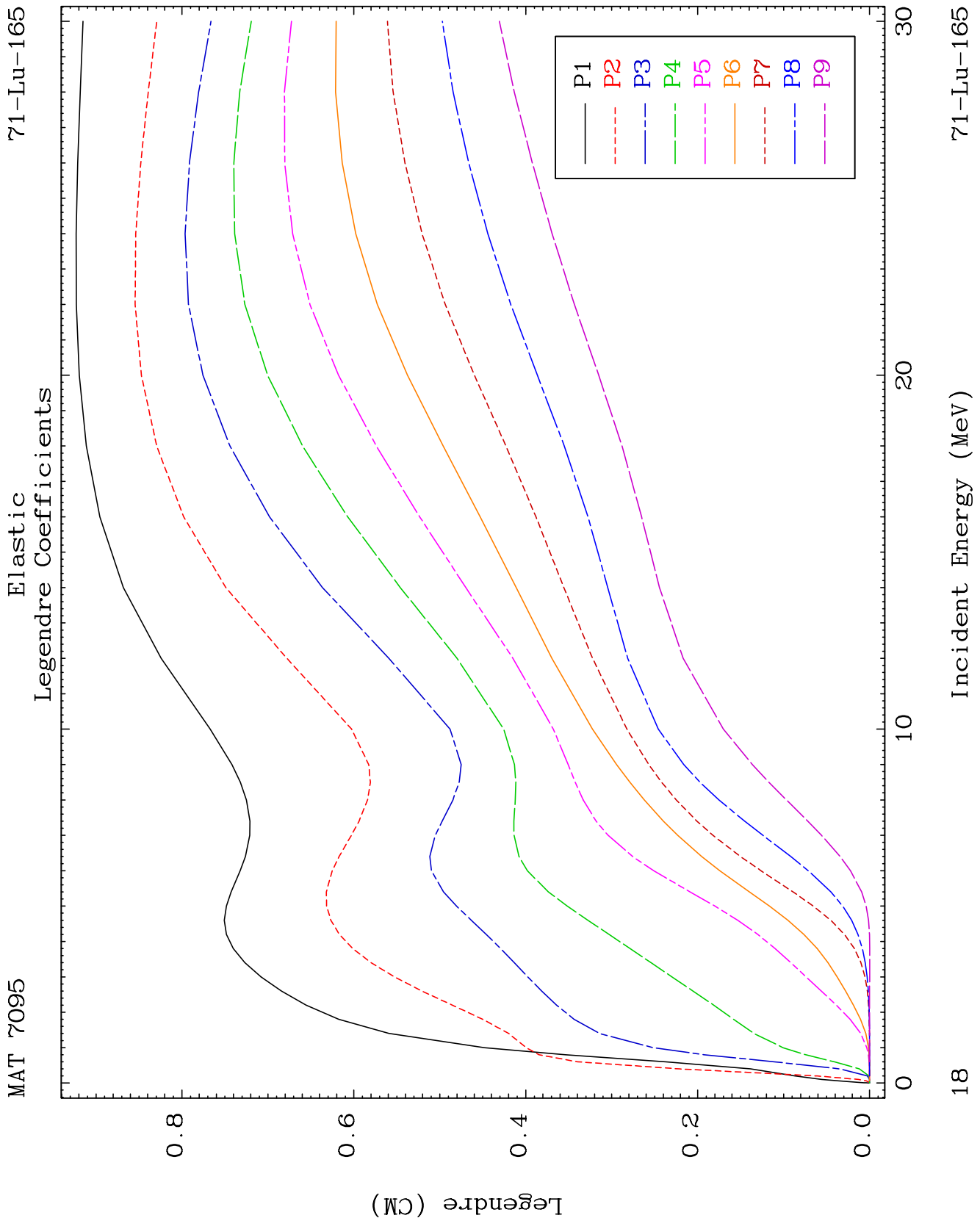
71-Lu-165

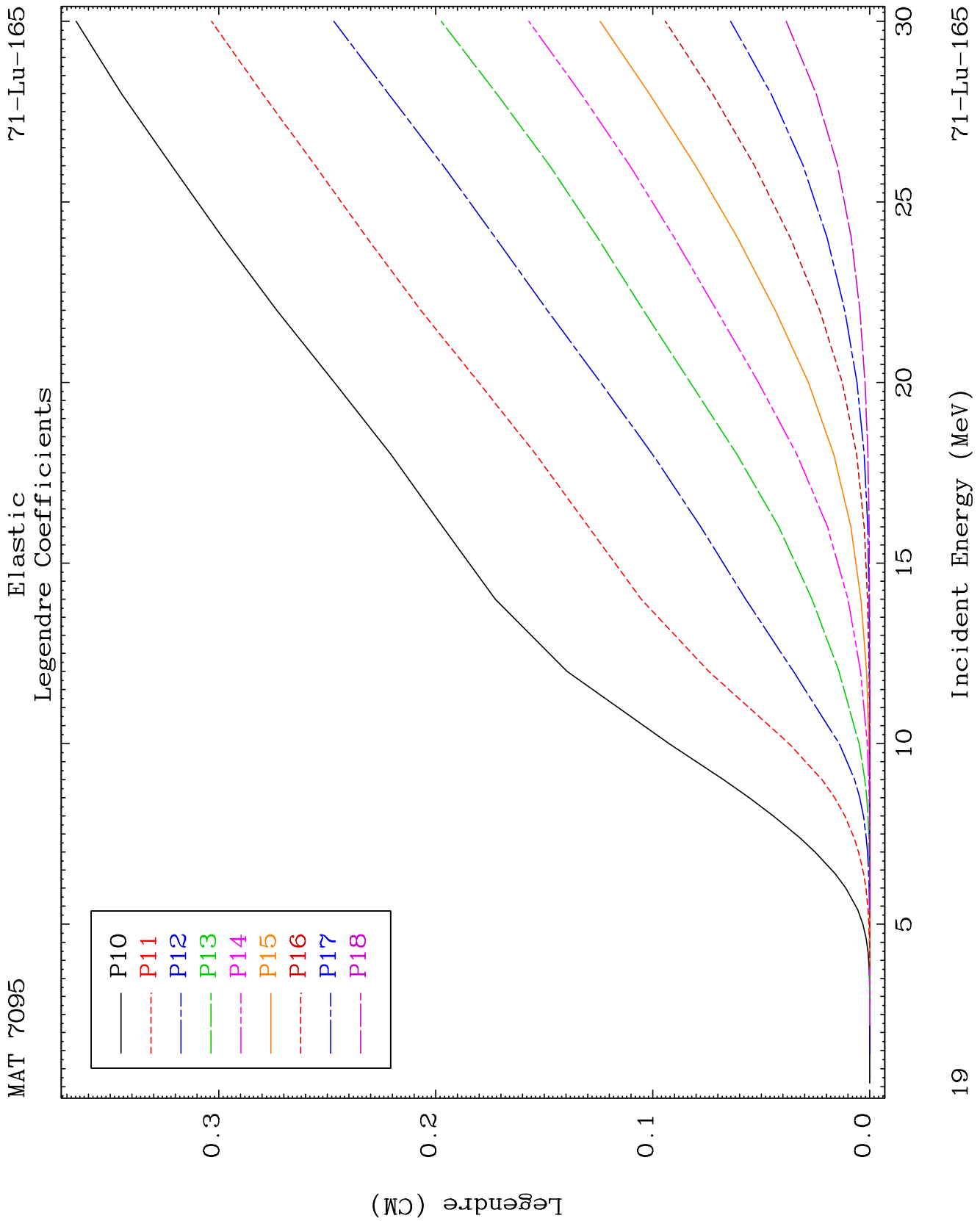
MAT 7095

(n, α) Levels
293 Kelvin Cross Sections

71-Lu-165







MAT 7095

Elastic Legendre Coefficients

71-Lu-165

19

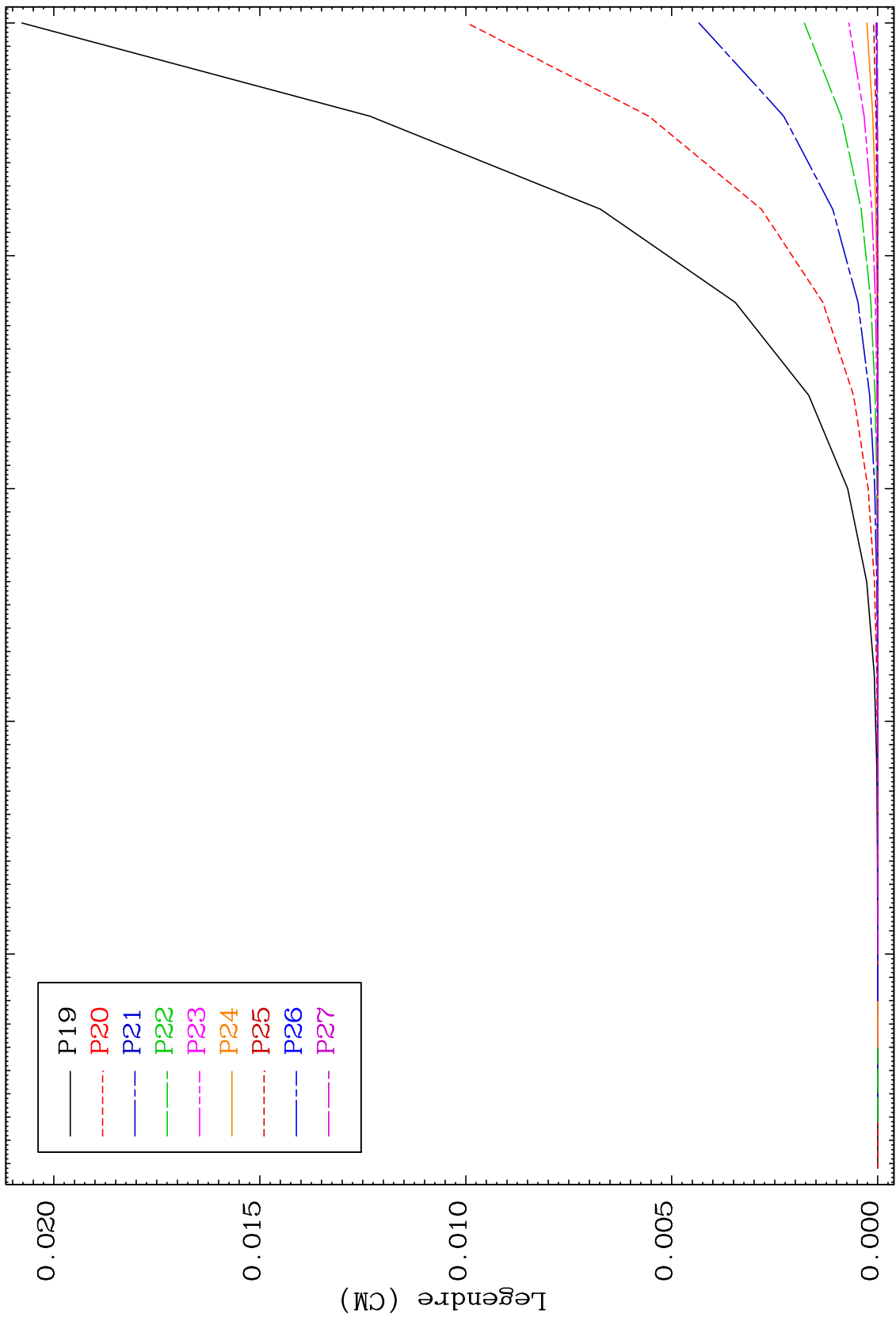
Incident Energy (MeV)

71-Lu-165

MAT 7095

Elastic Legendre Coefficients

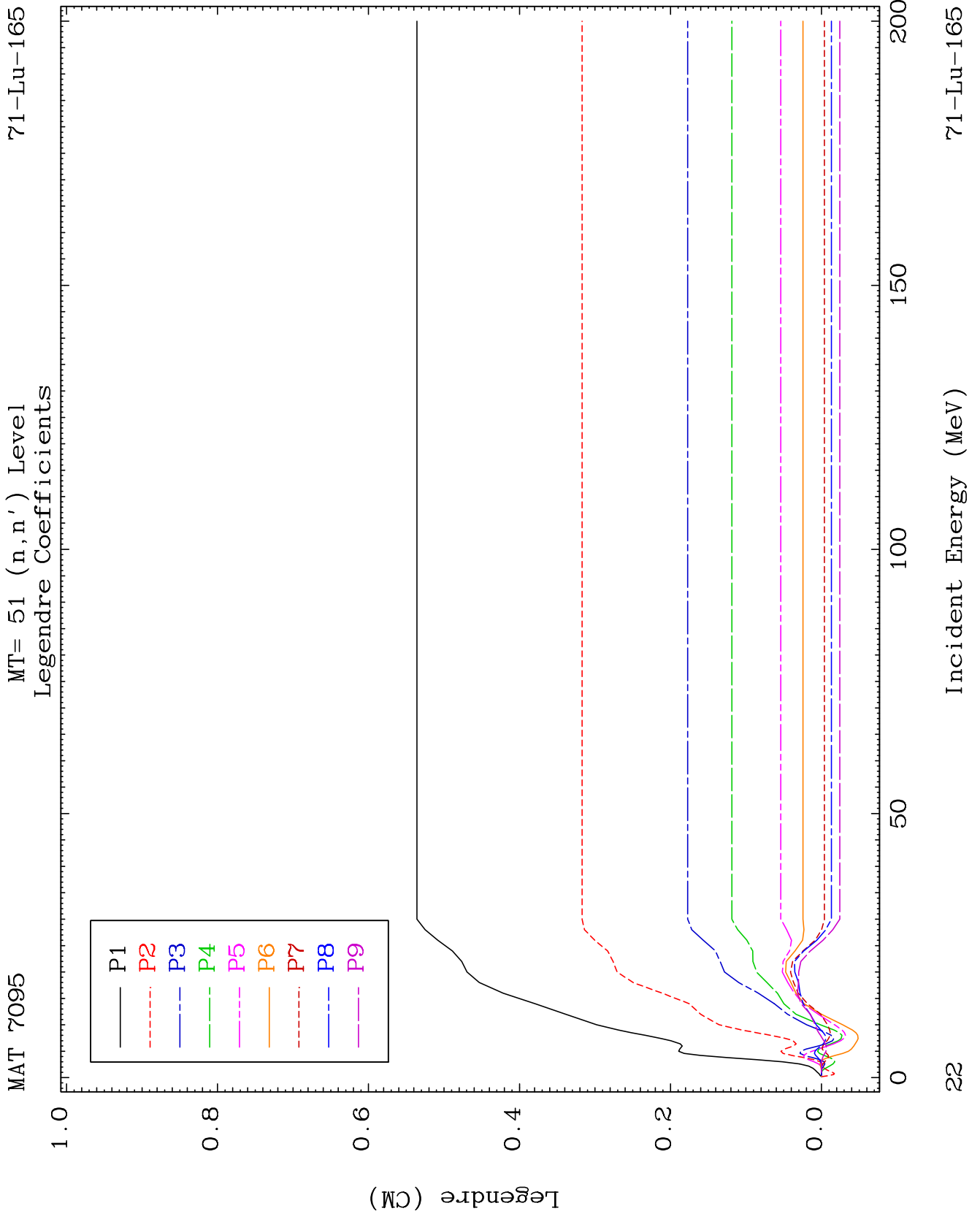
⁷¹Lu-165



20

Incident Energy (MeV)

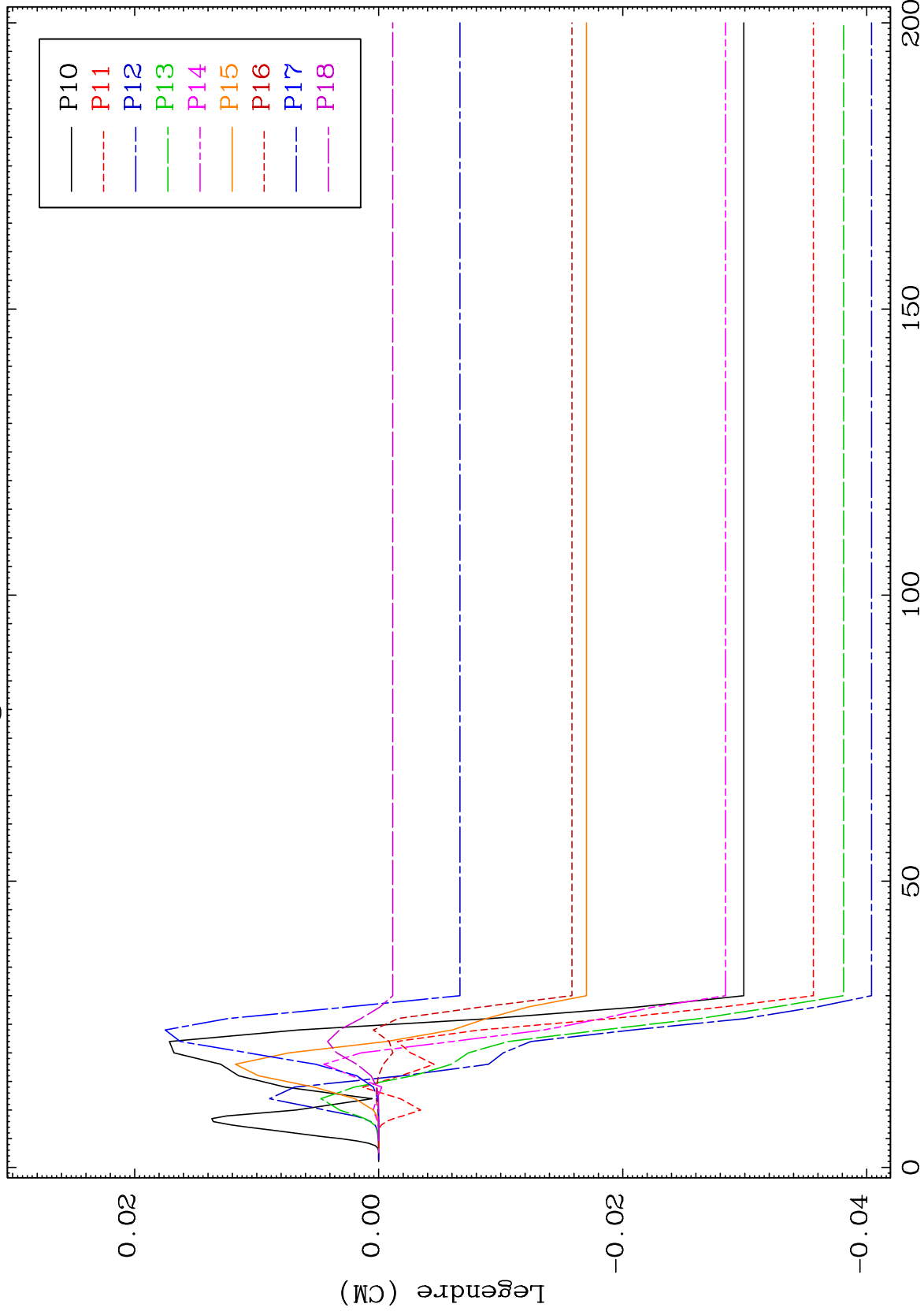
⁷¹Lu-165



MAT 7095

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

71-Lu-165



23

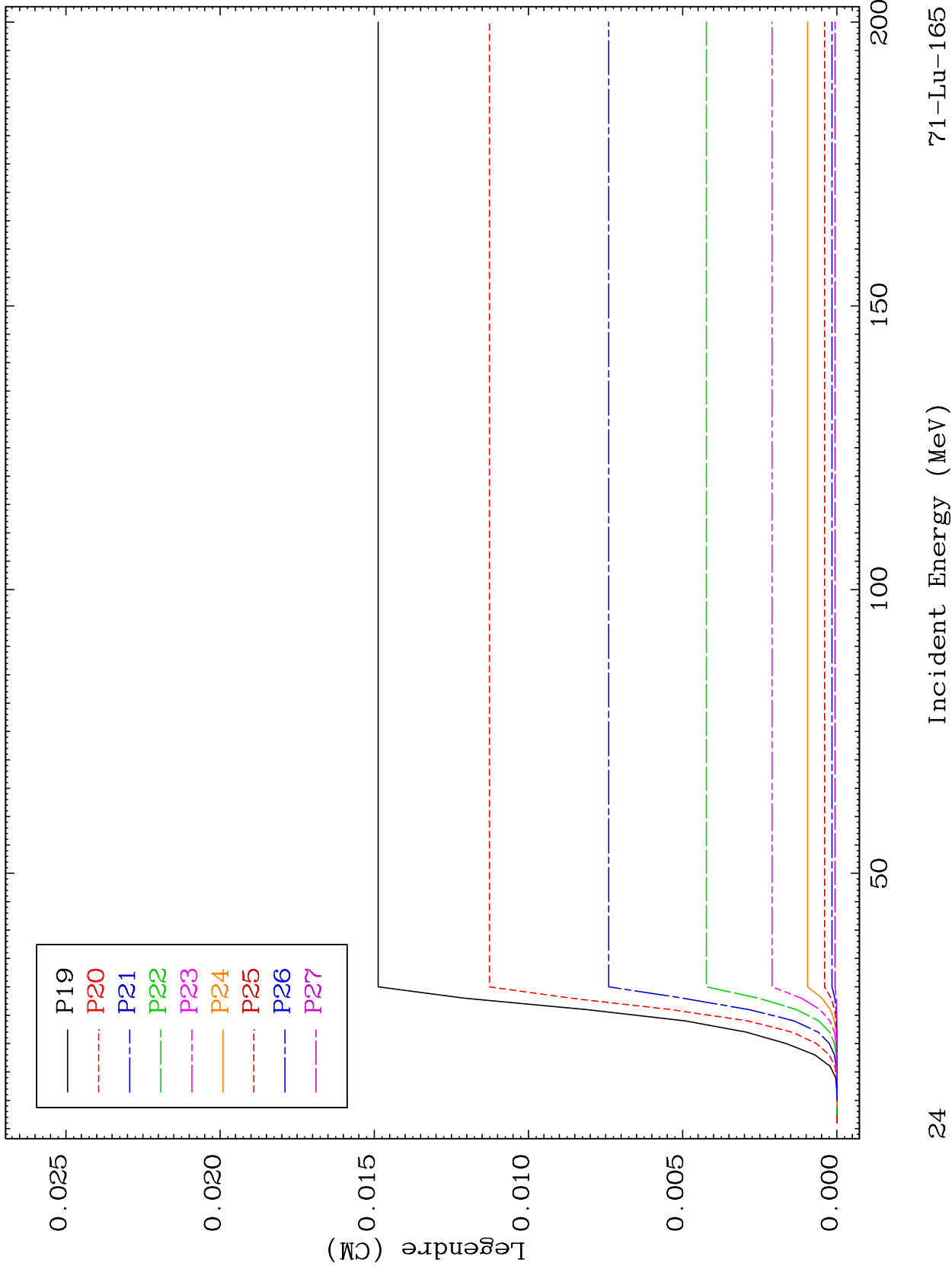
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

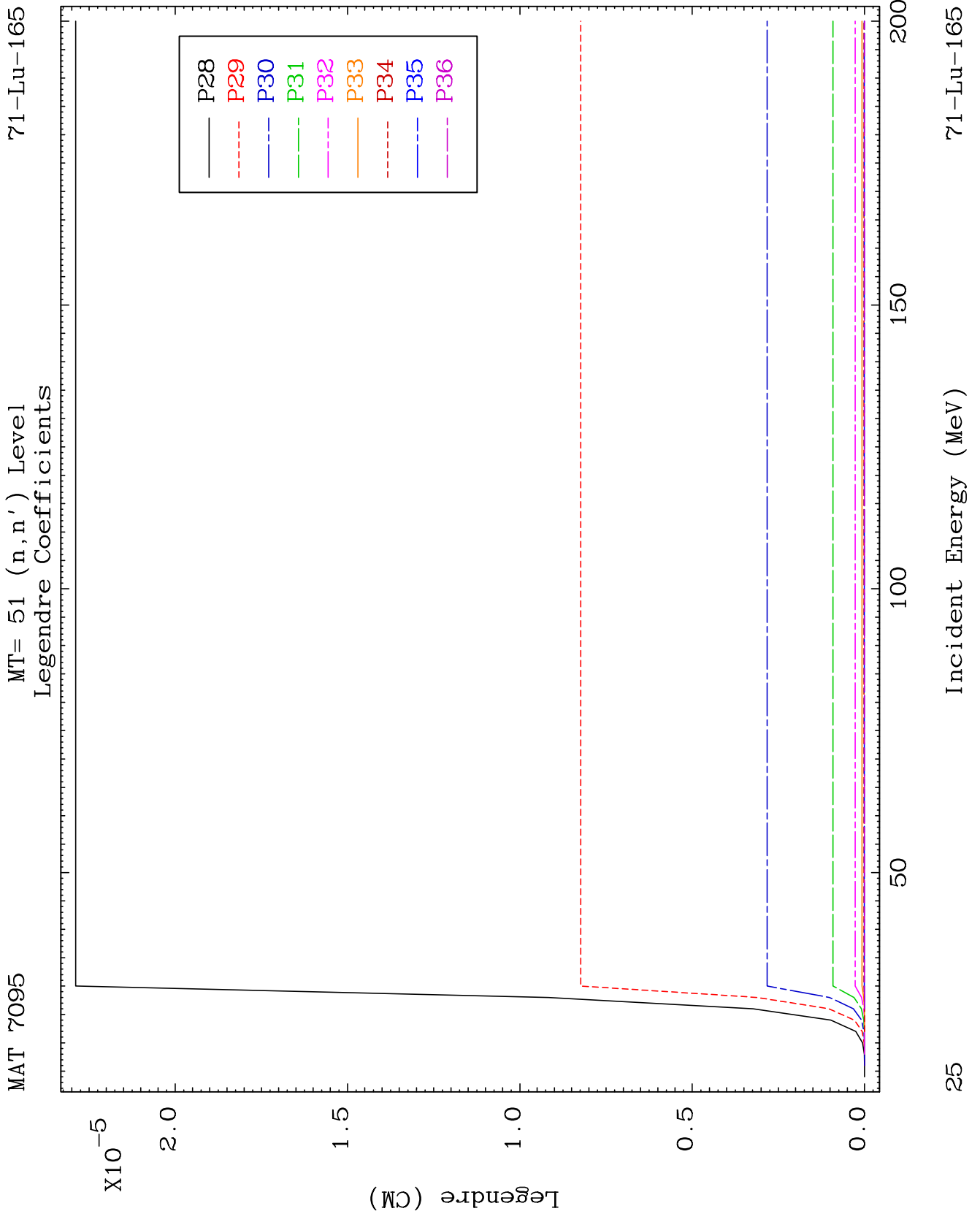
71-Lu-165

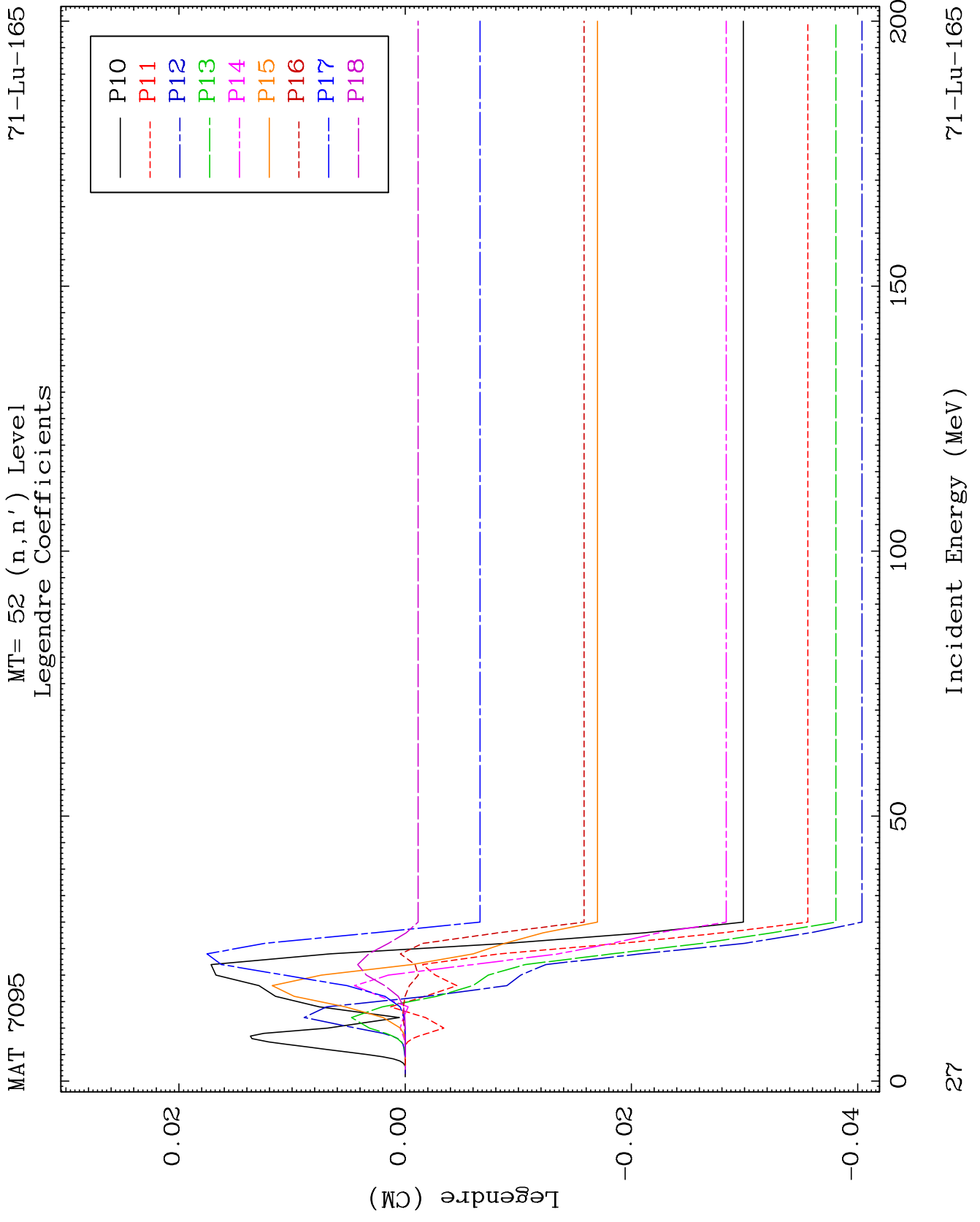


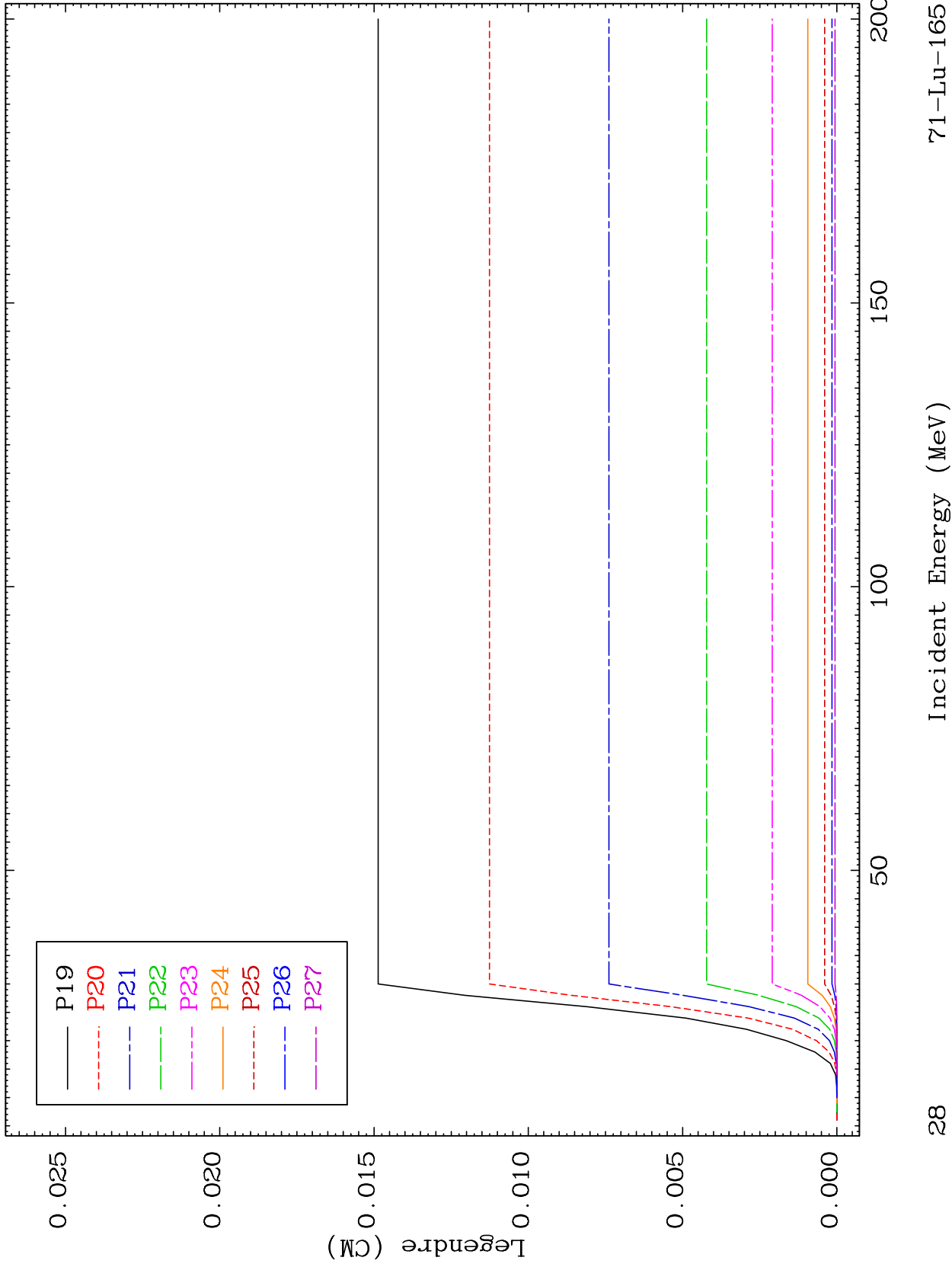
24

Incident Energy (MeV)

71-Lu-165



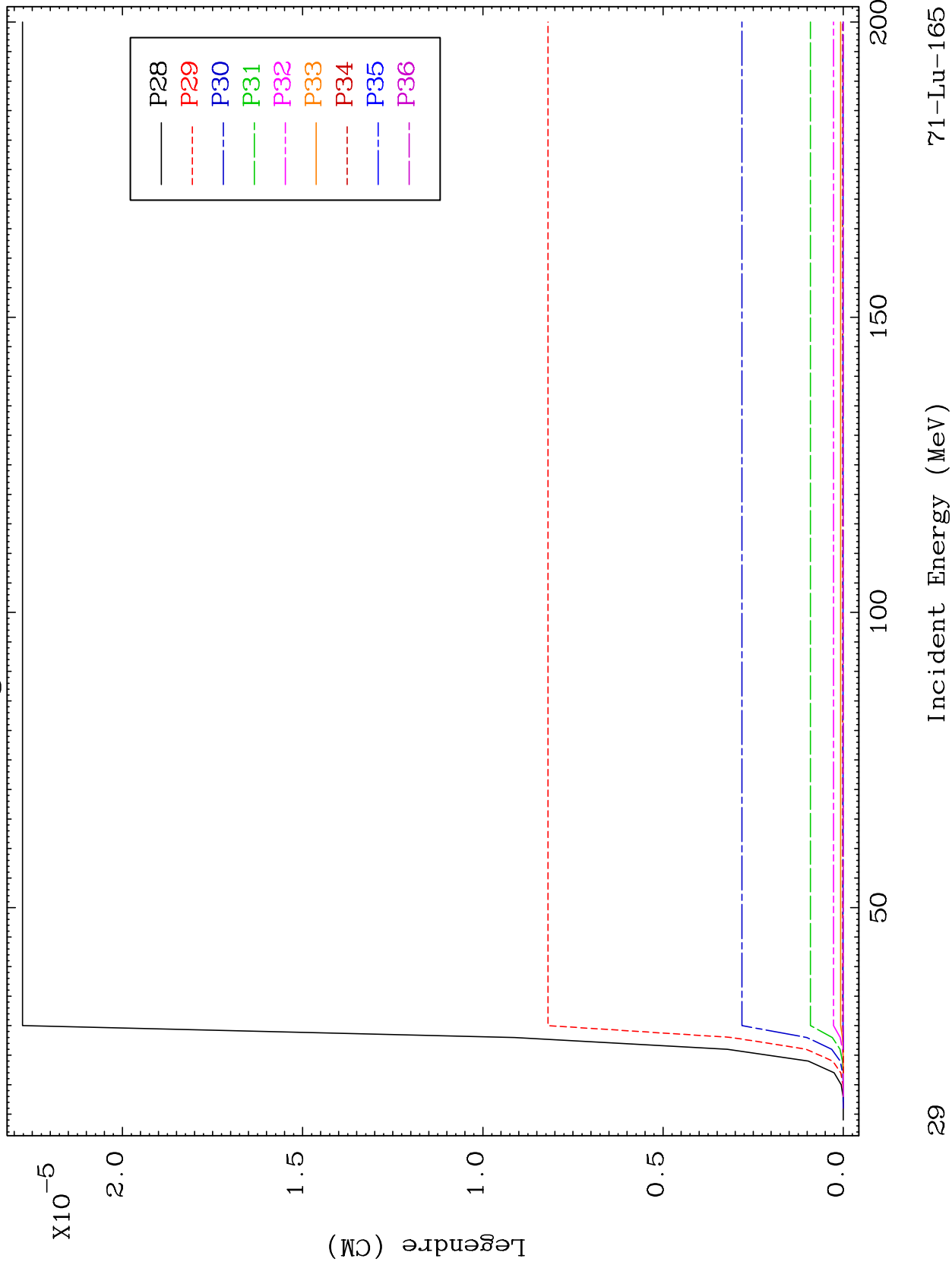




MAT 7095

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

71-Lu-165



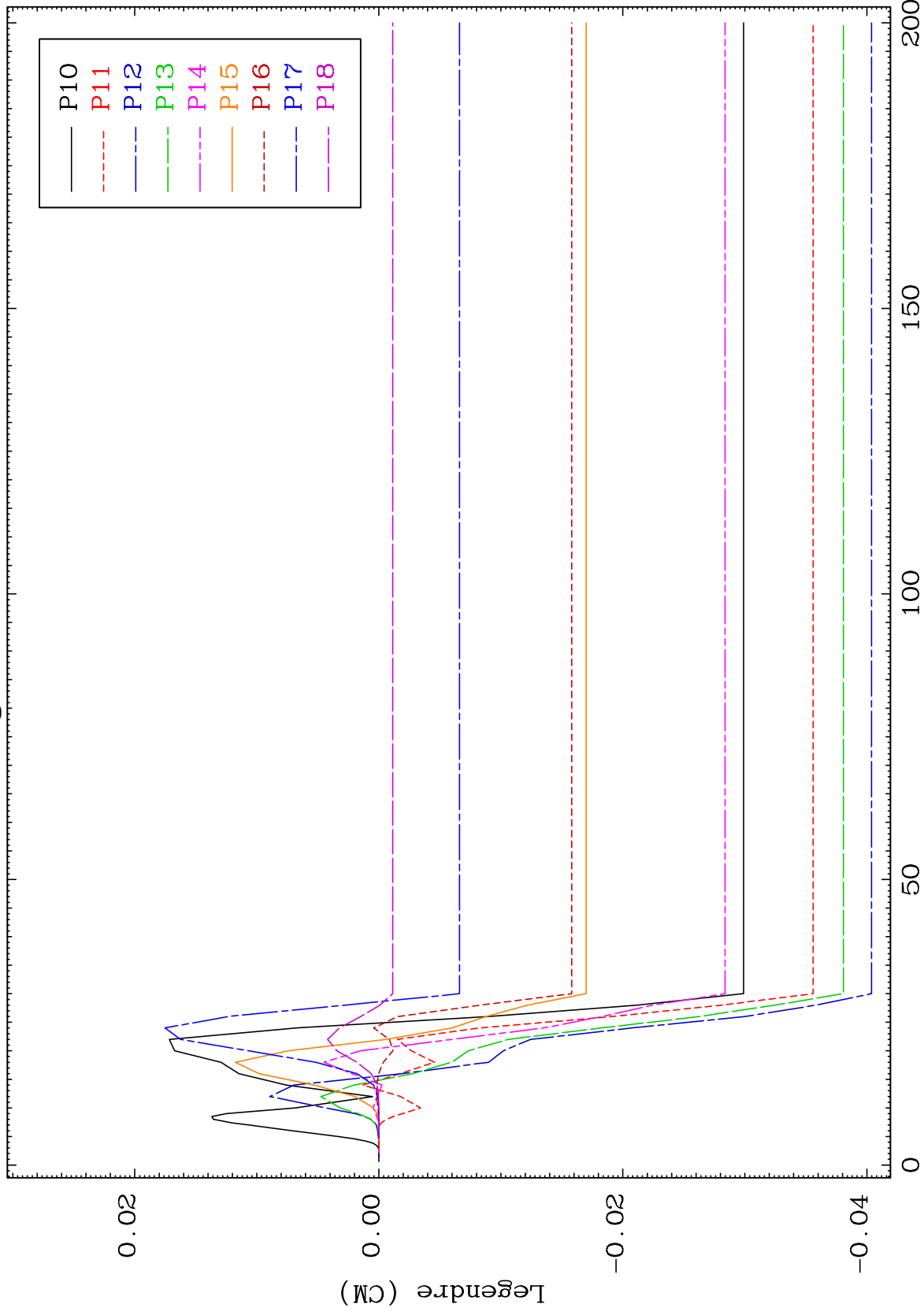
29

71-Lu-165

MAT 7095

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

71-Lu-165



31

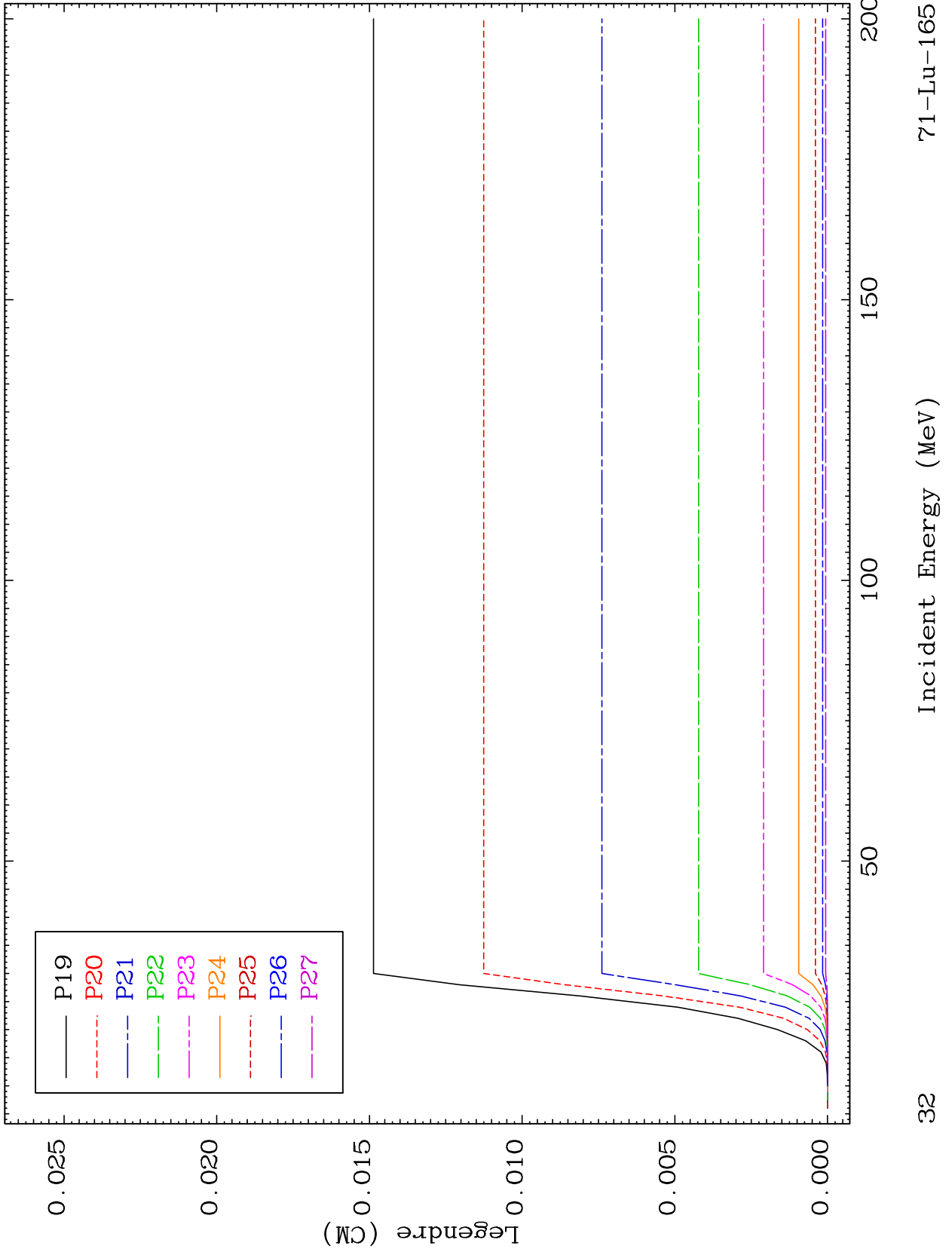
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

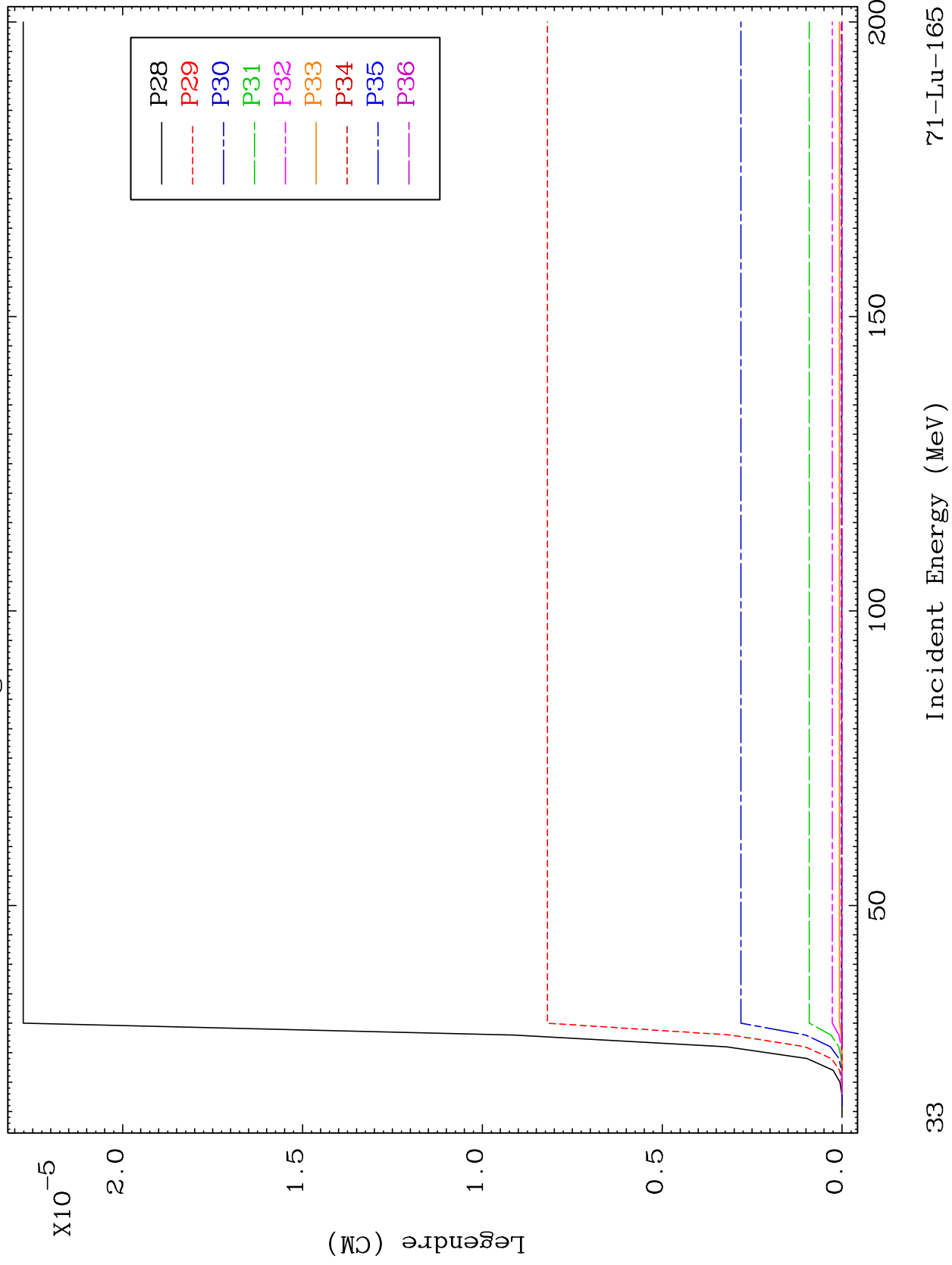
71-Lu-165



MAT 7095

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

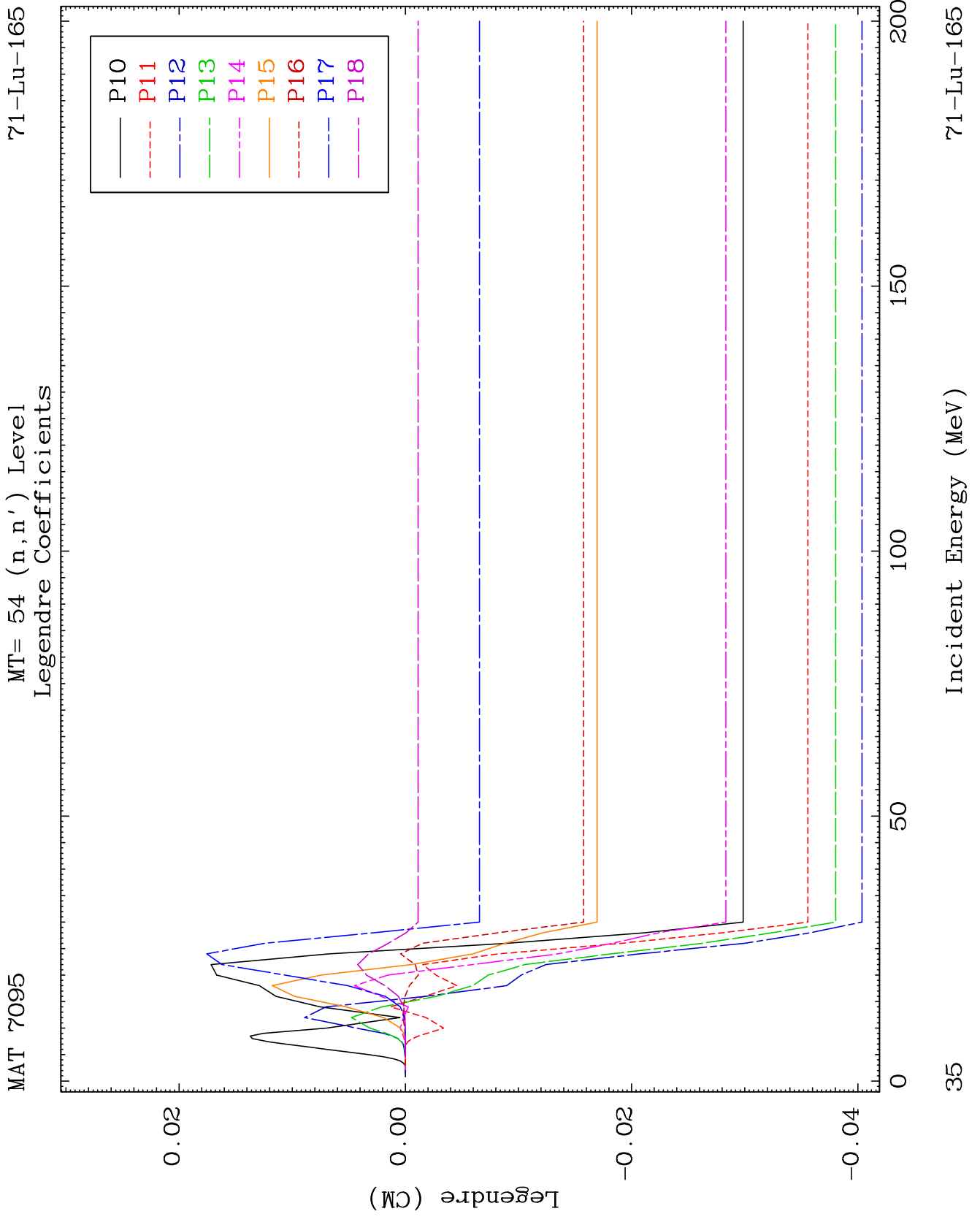
71-Lu-165

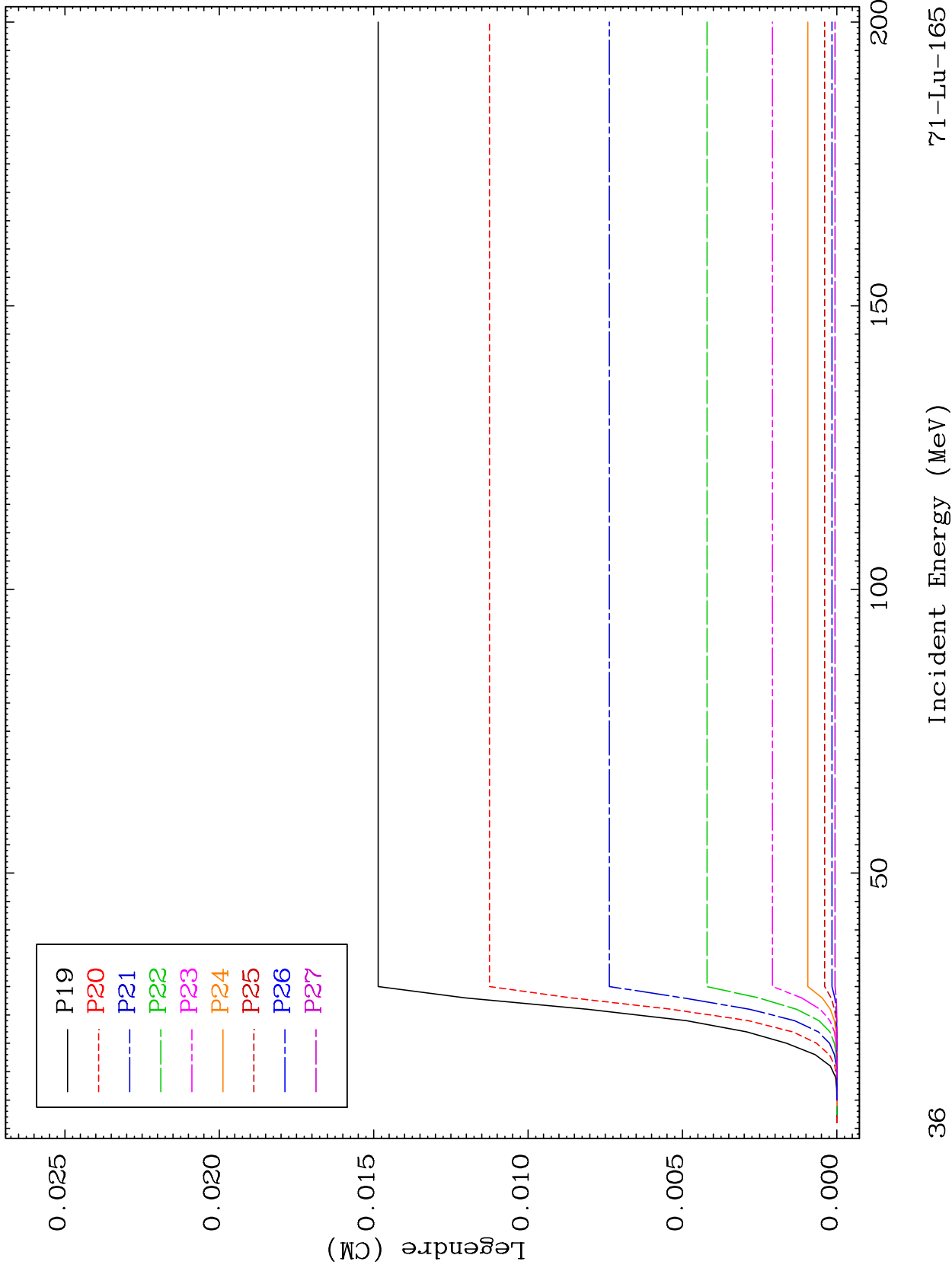


33

Incident Energy (MeV)

71-Lu-165

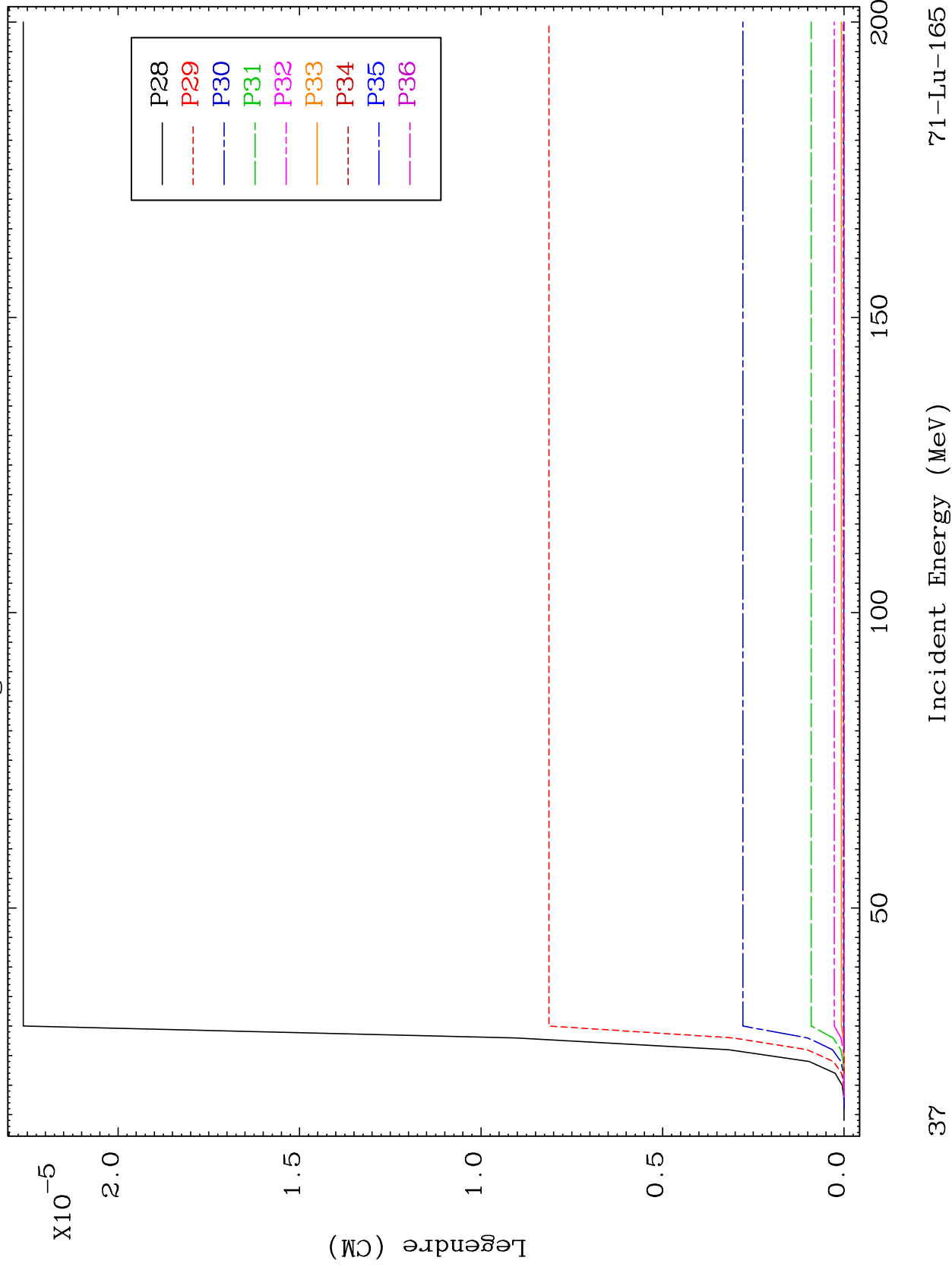




MAT 7095

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

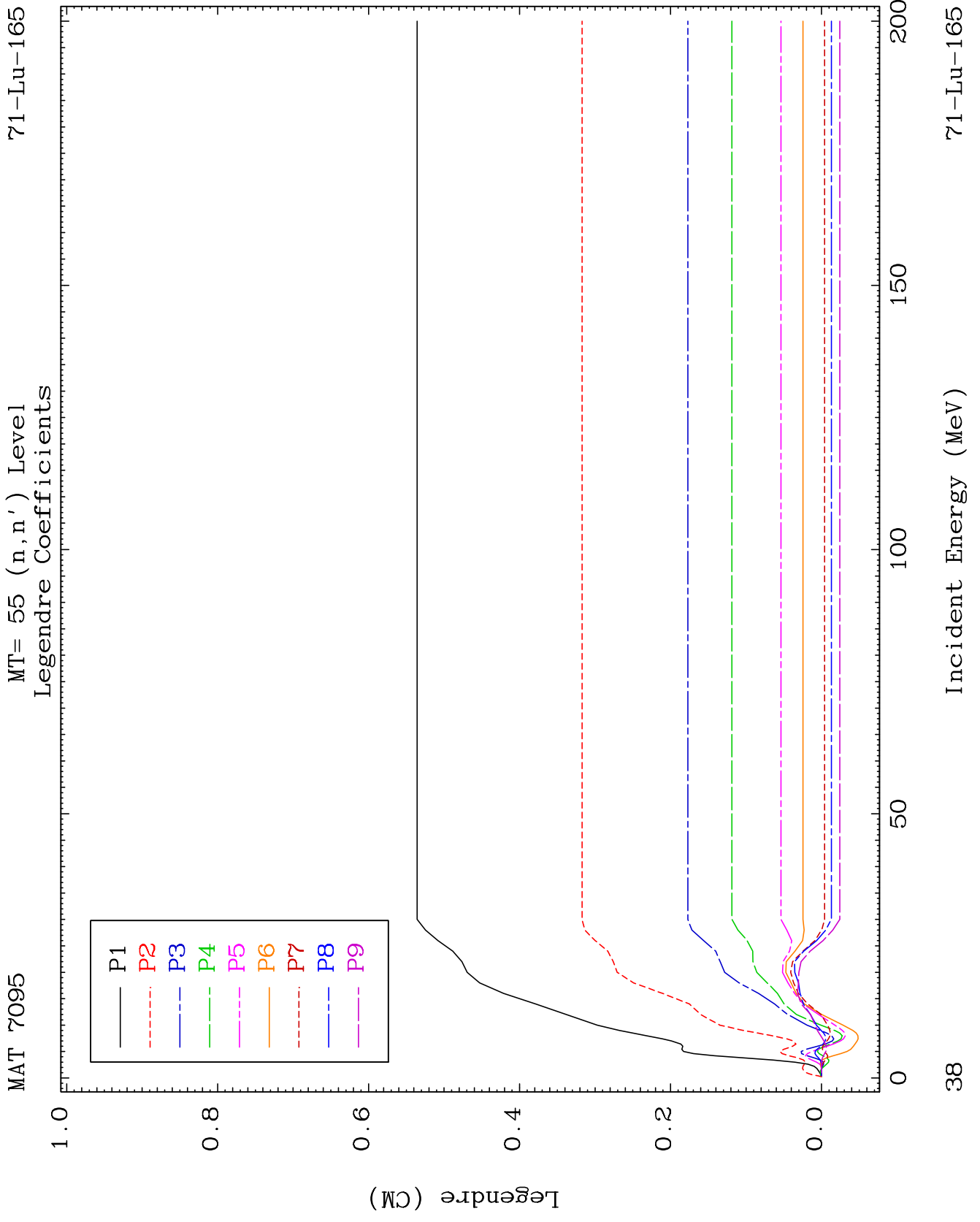
71-Lu-165



37

Incident Energy (MeV)

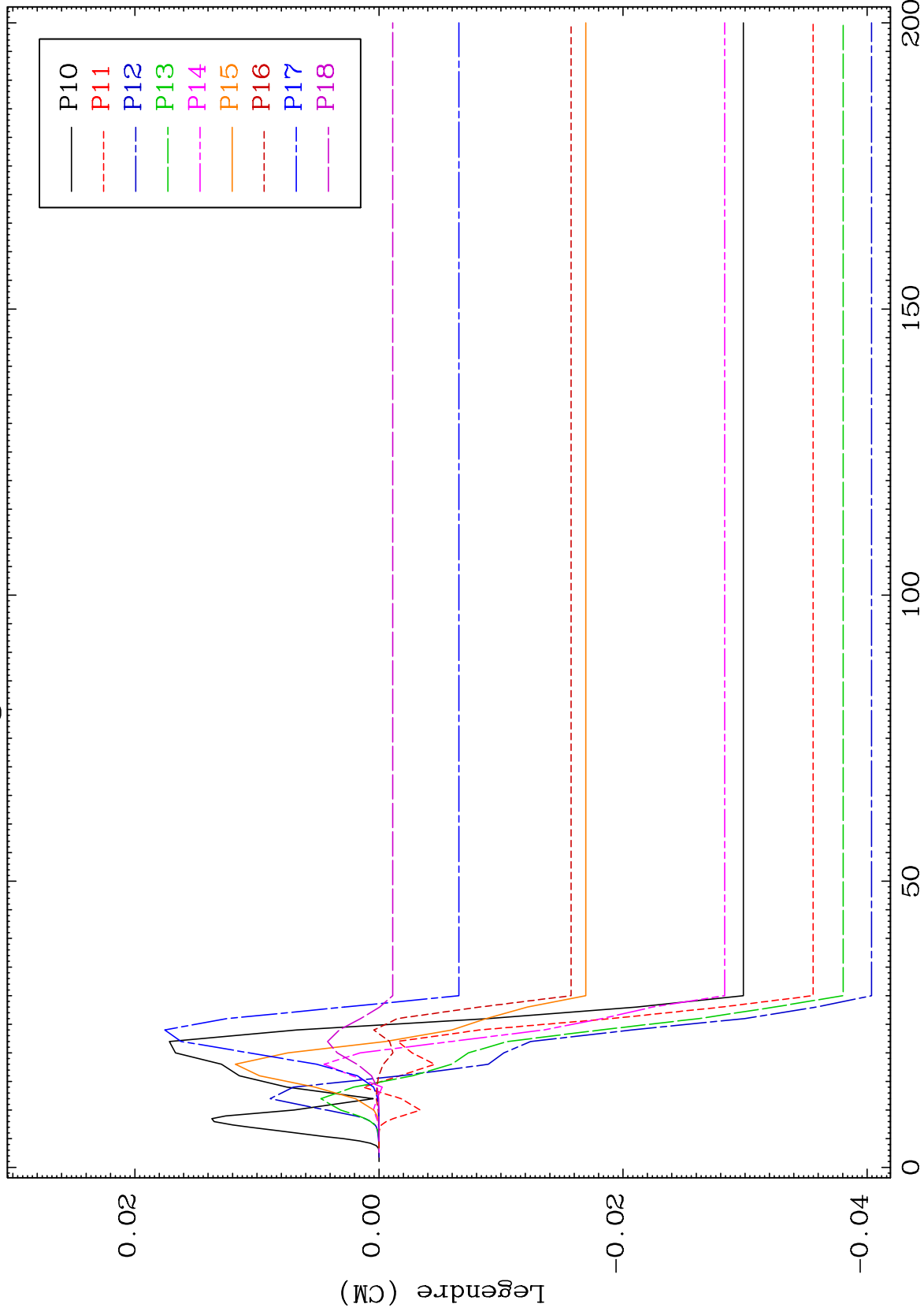
71-Lu-165



MAT 7095

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

71-Lu-165



39

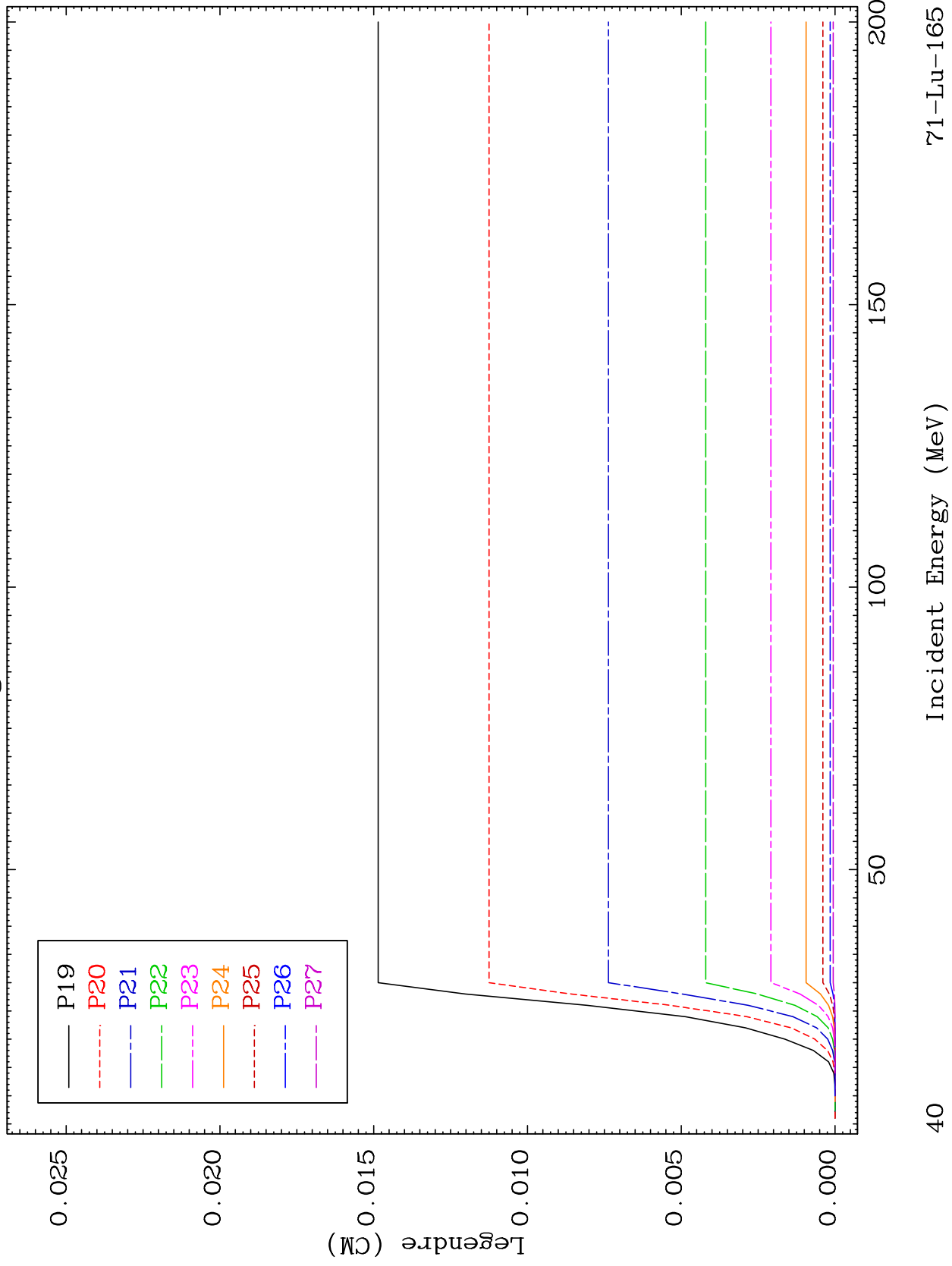
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

71-Lu-165



71-Lu-165

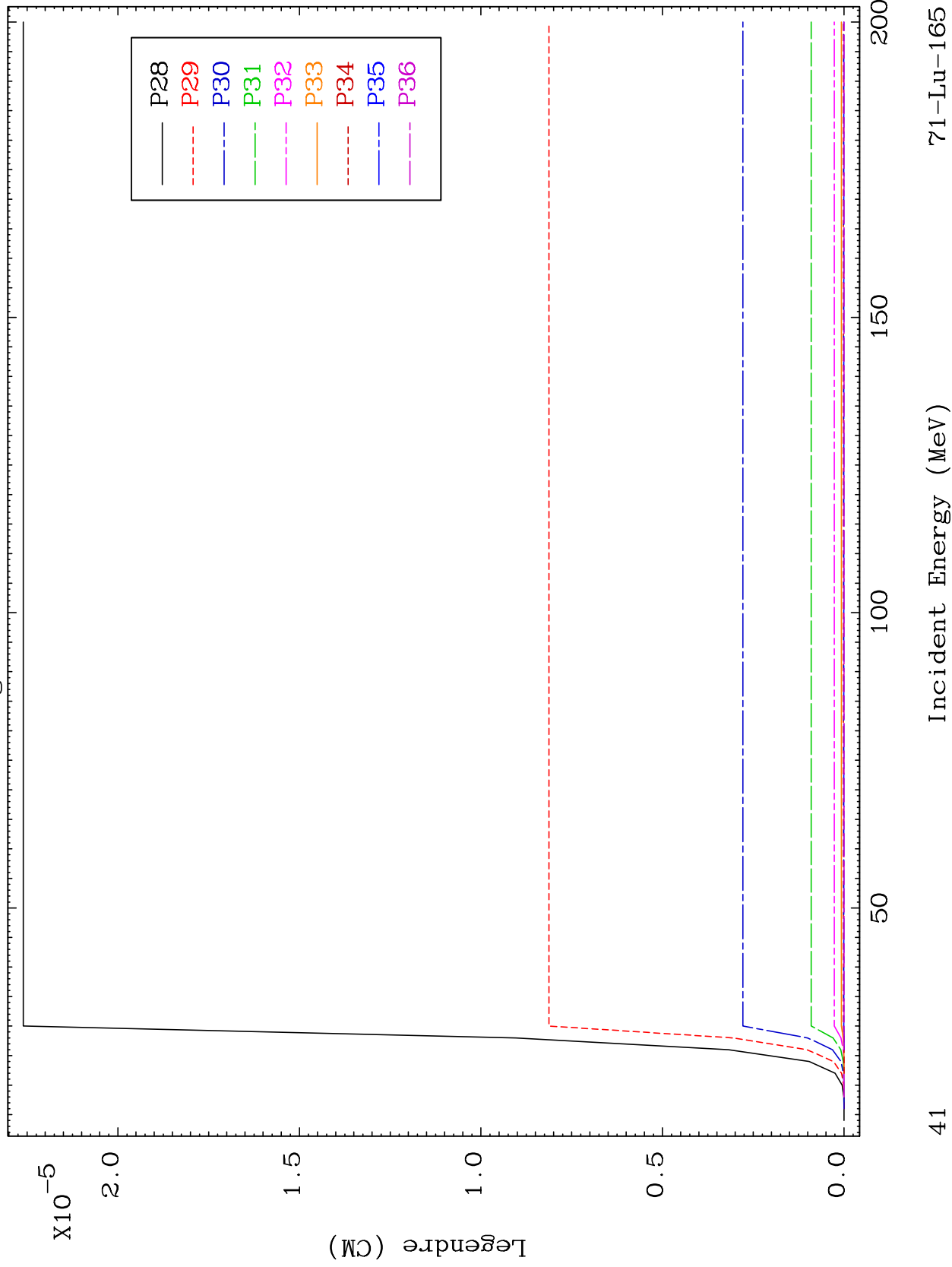
Incident Energy (MeV)

40

MAT 7095

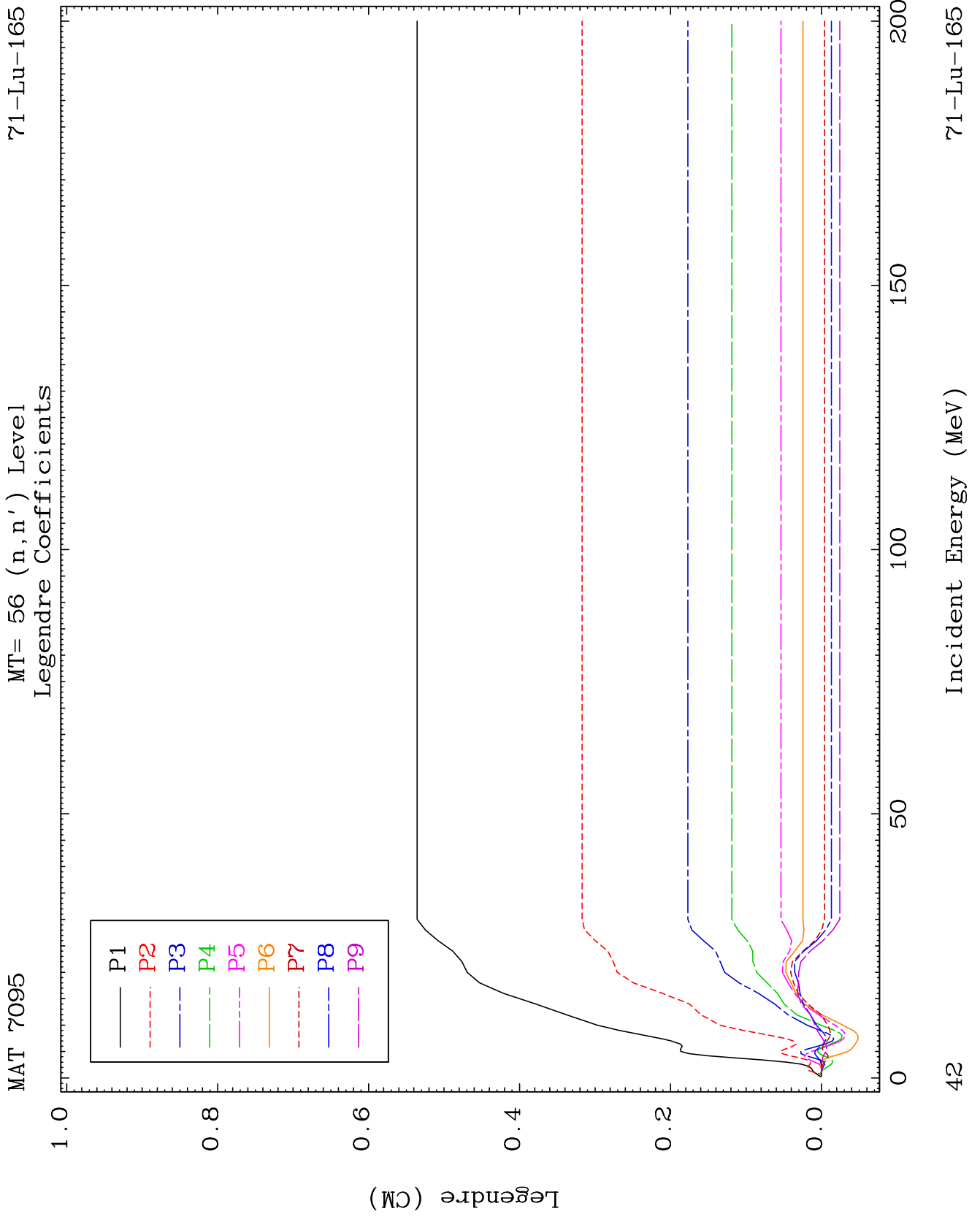
MT= 55 (n,n') Level
Legendre Coefficients

71-Lu-165



41

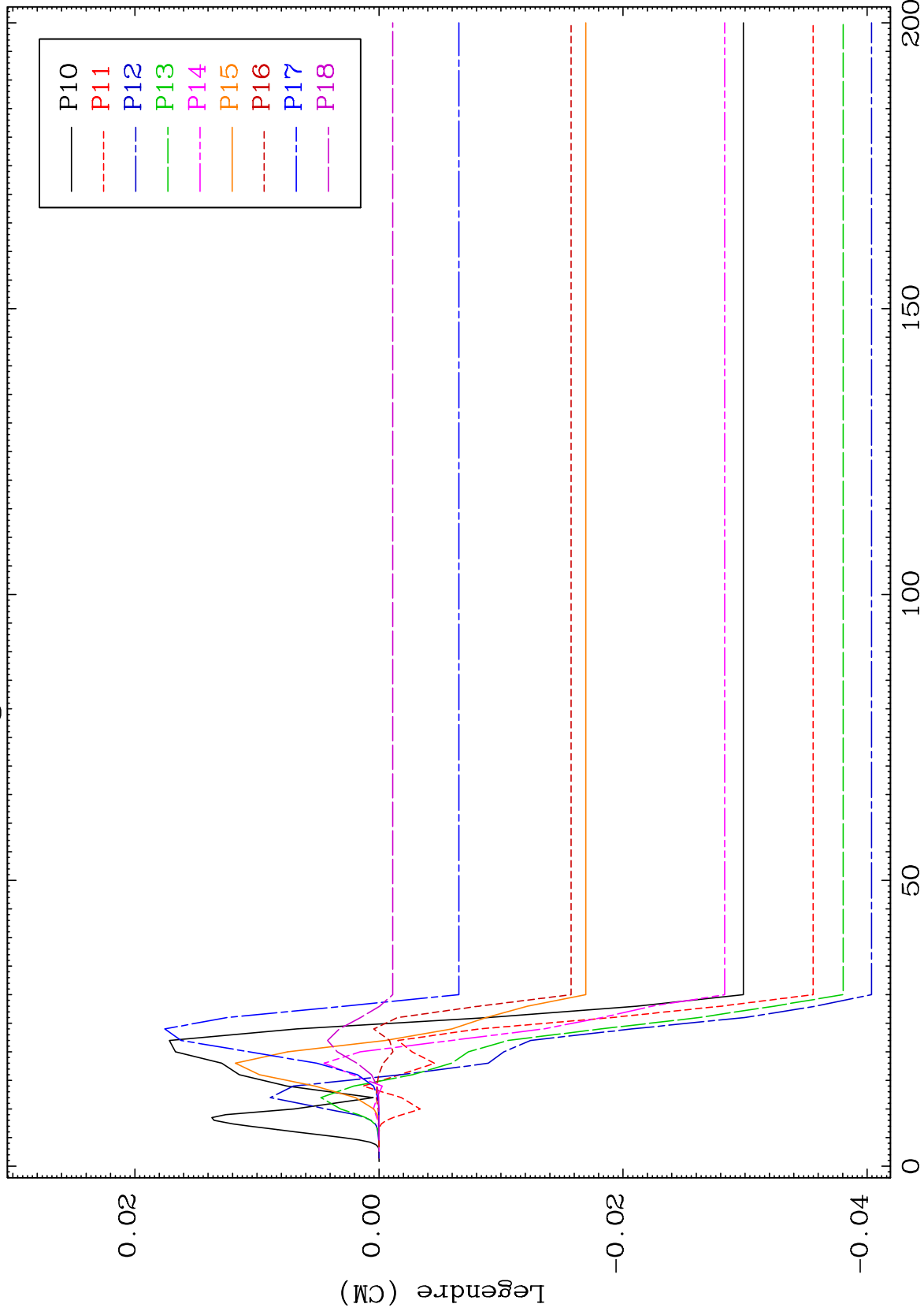
71-Lu-165



MAT 7095

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

71-Lu-165



43

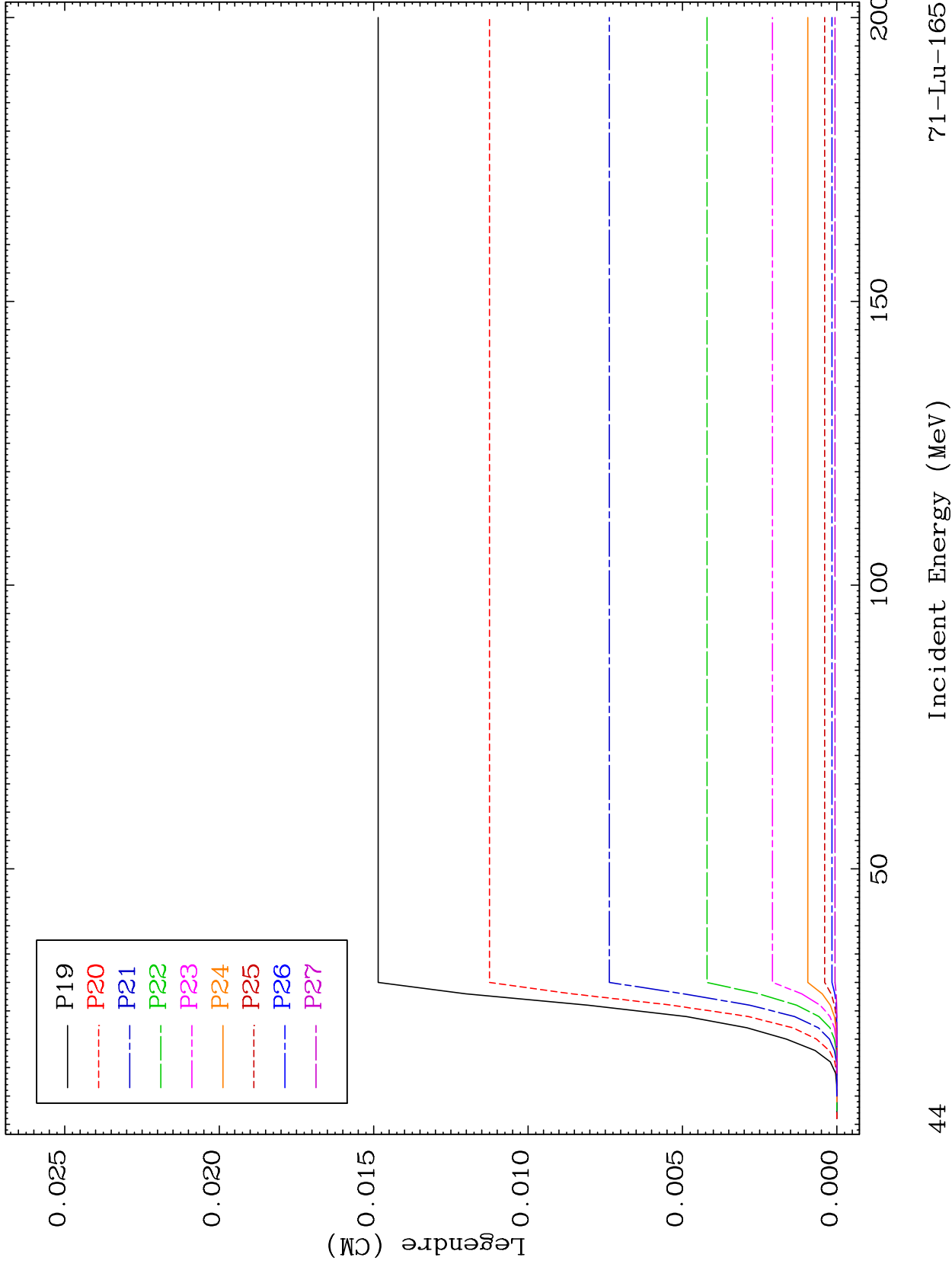
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

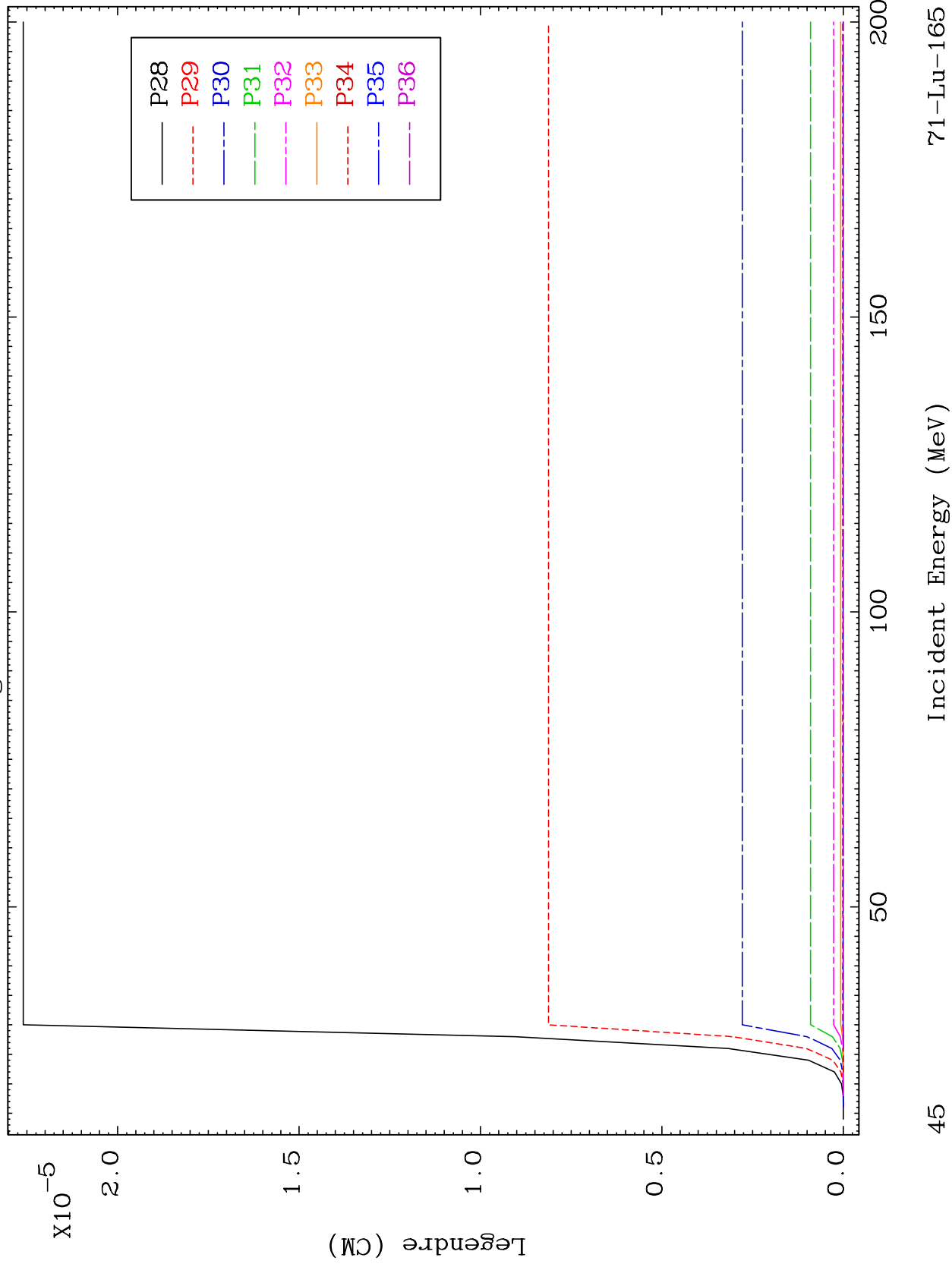
71-Lu-165

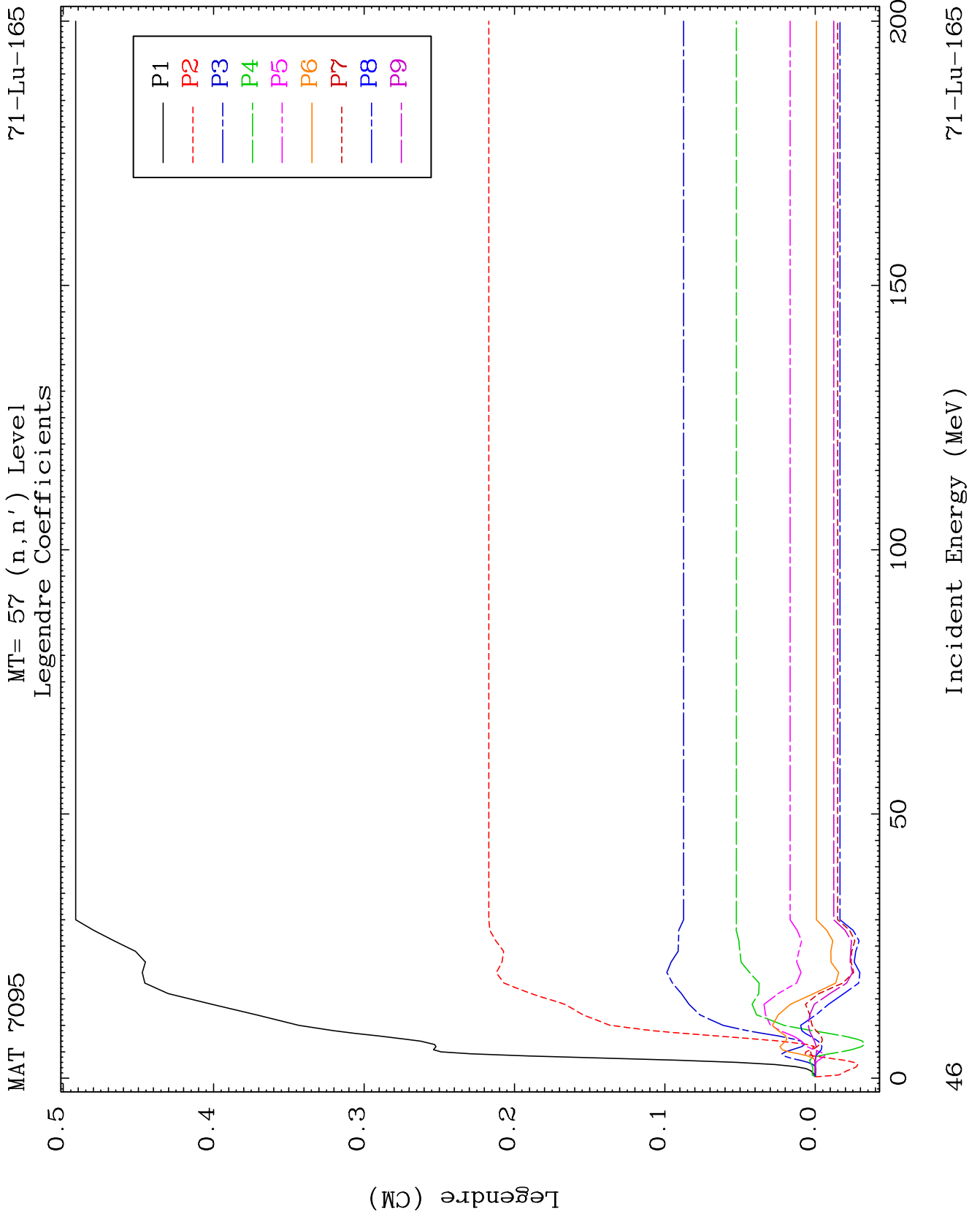


MAT 7095

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

71-Lu-165

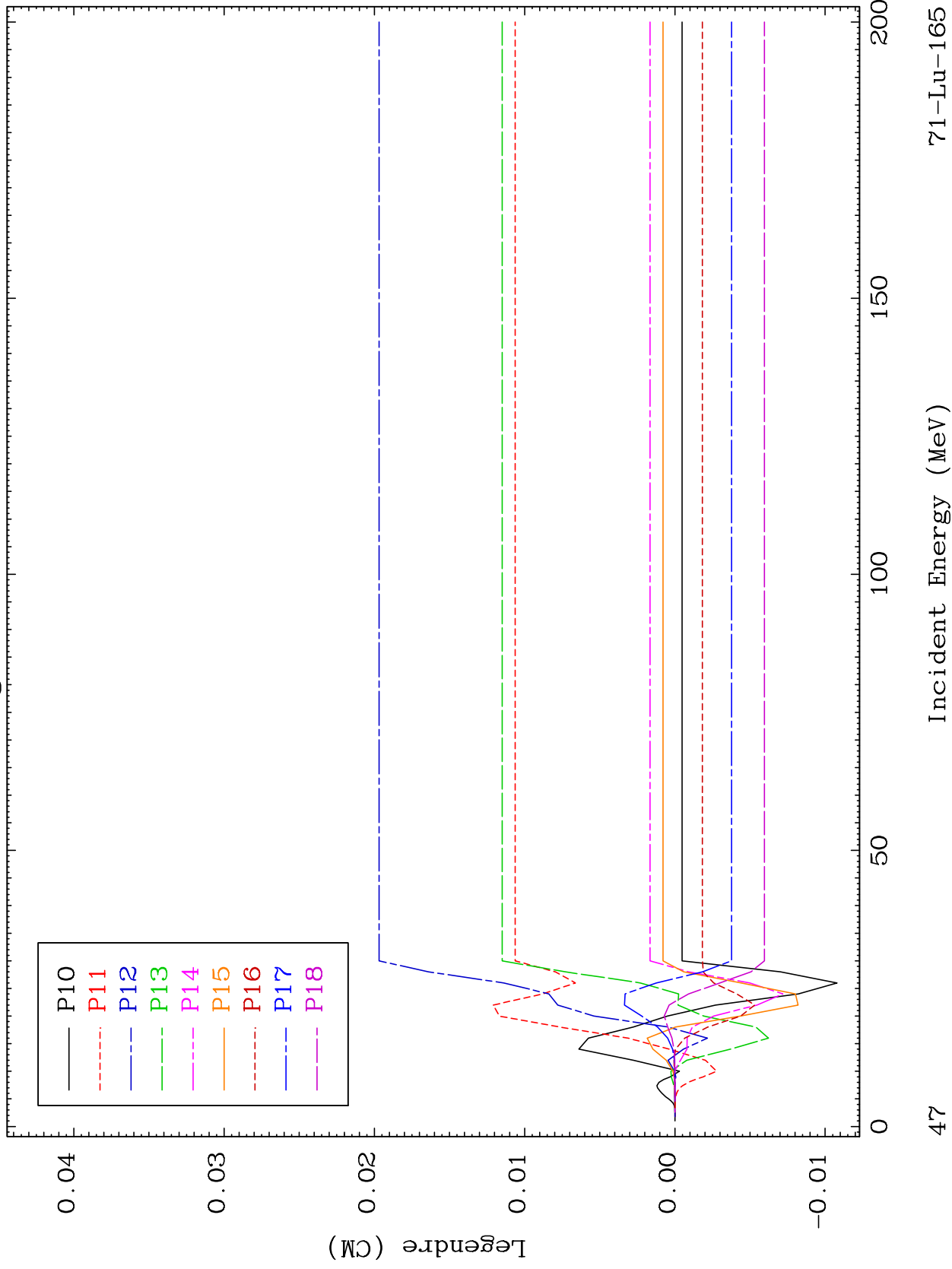




MAT 7095

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

71-Lu-165



47

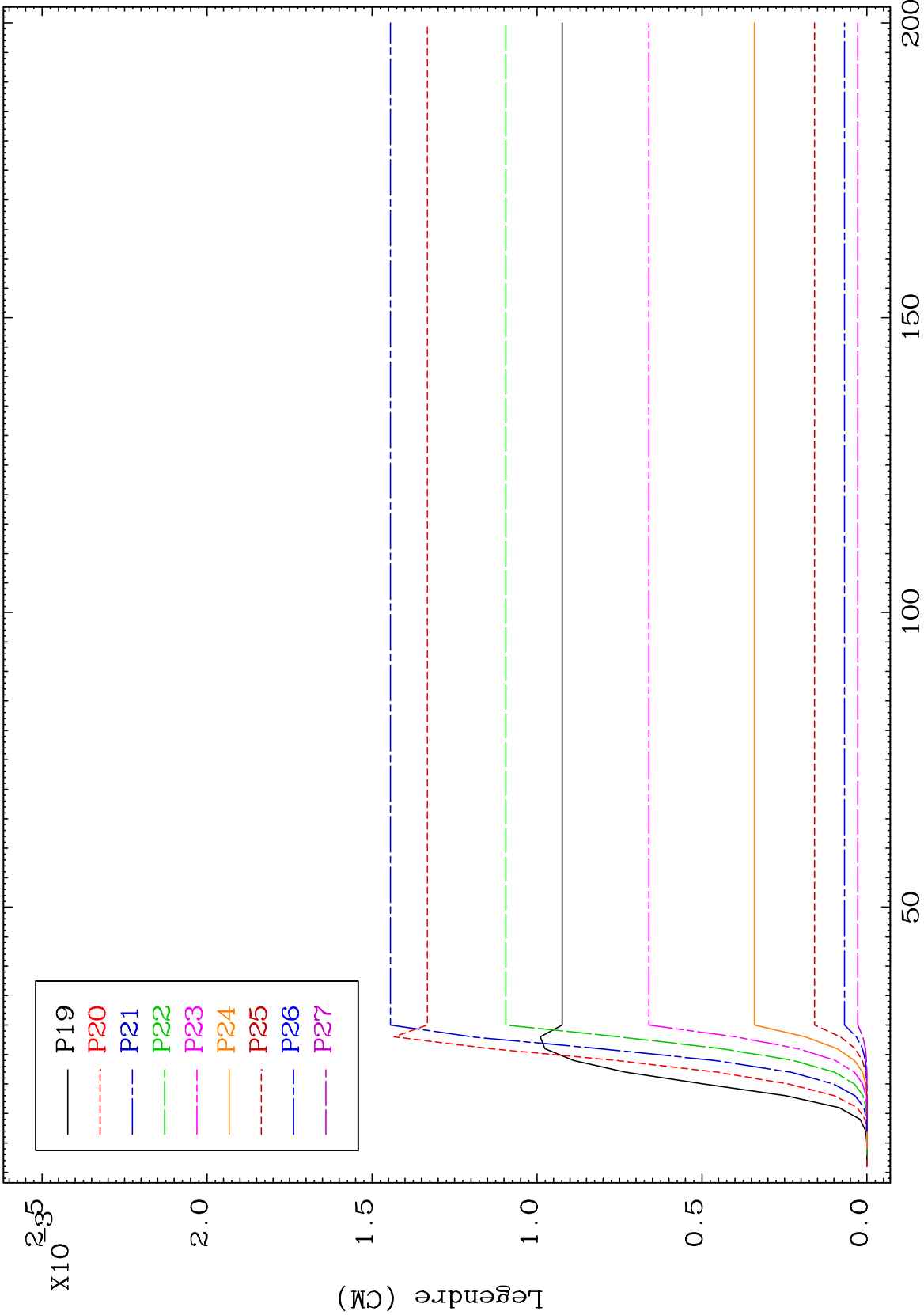
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

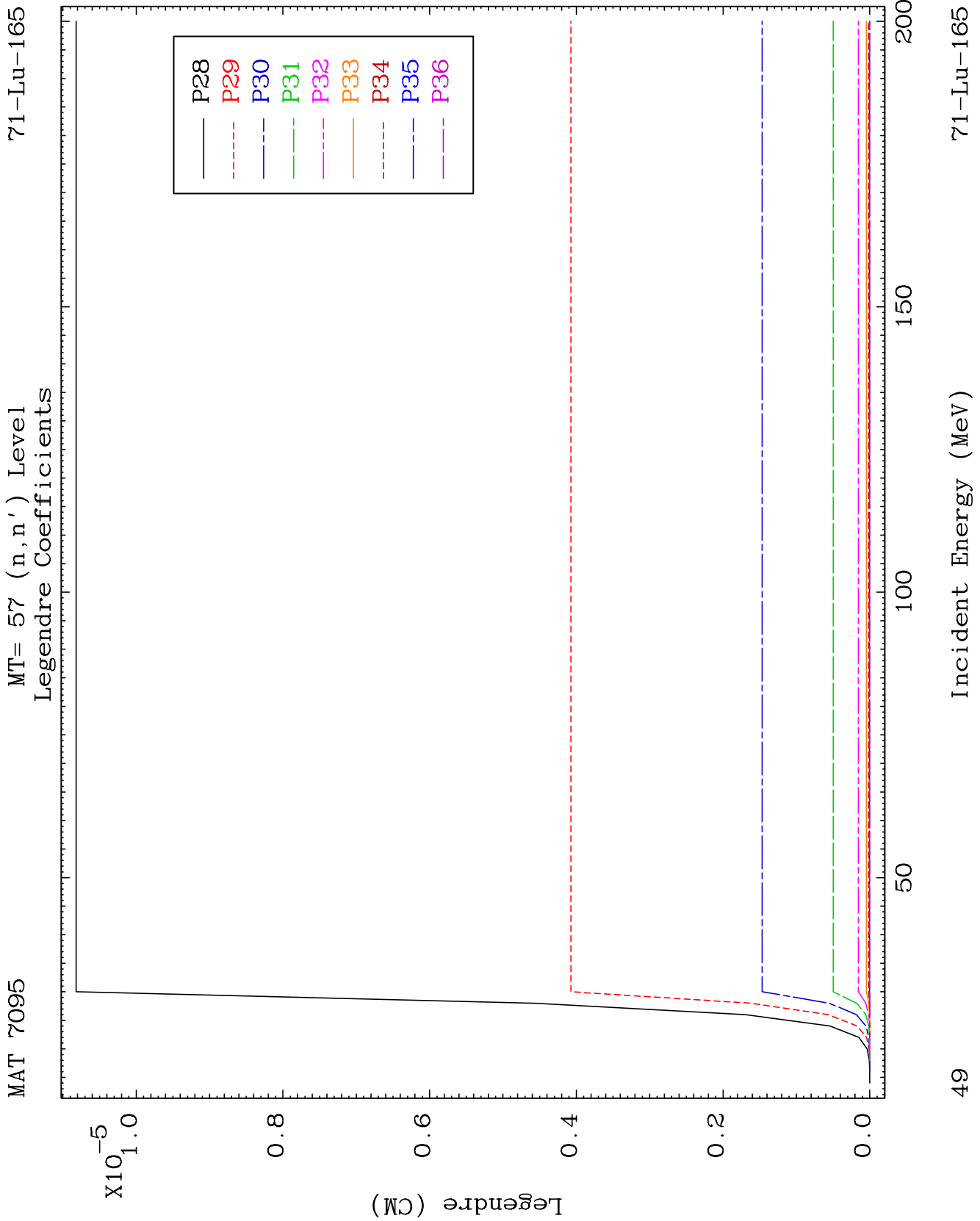
71-Lu-165

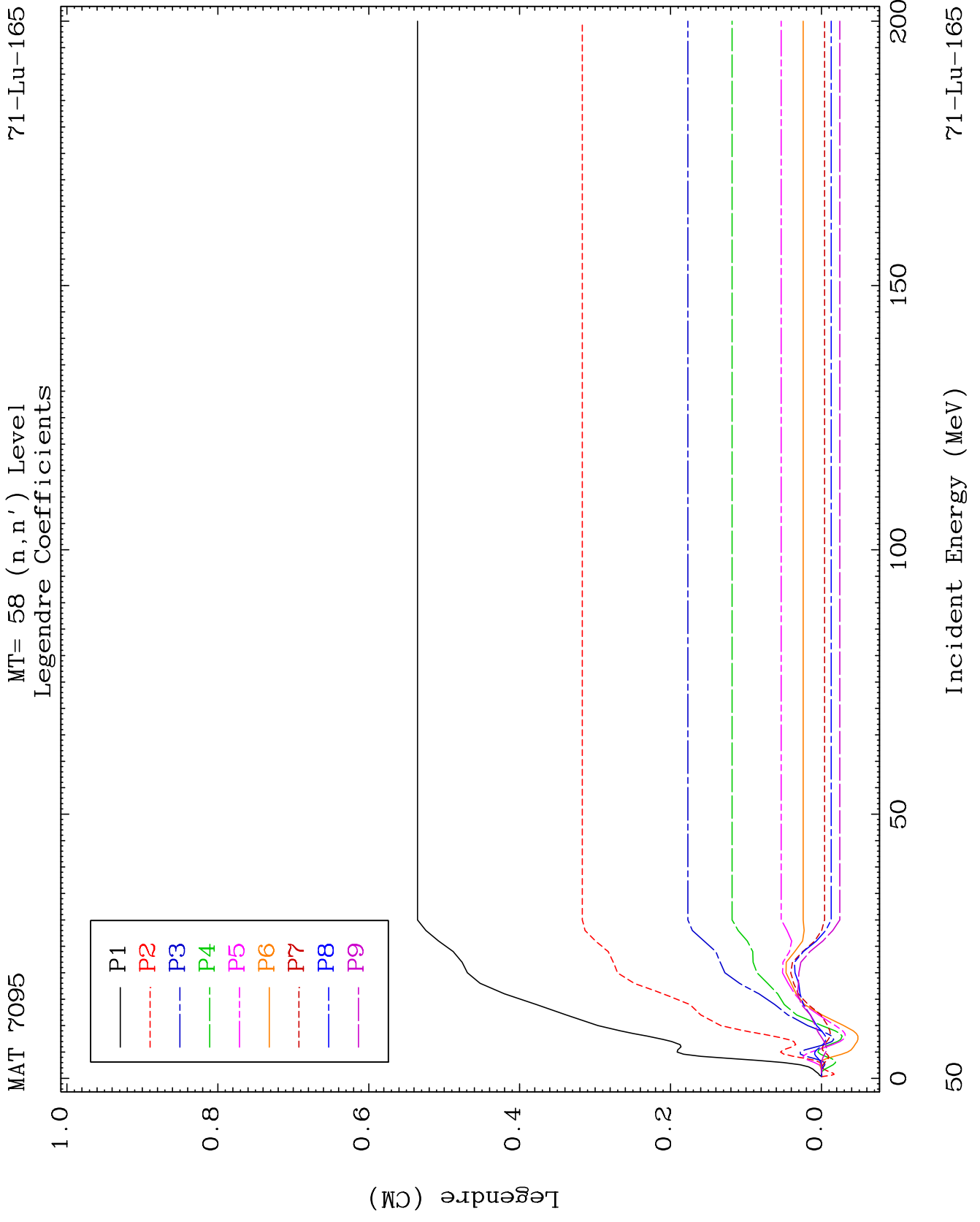


48

Incident Energy (MeV)

71-Lu-165

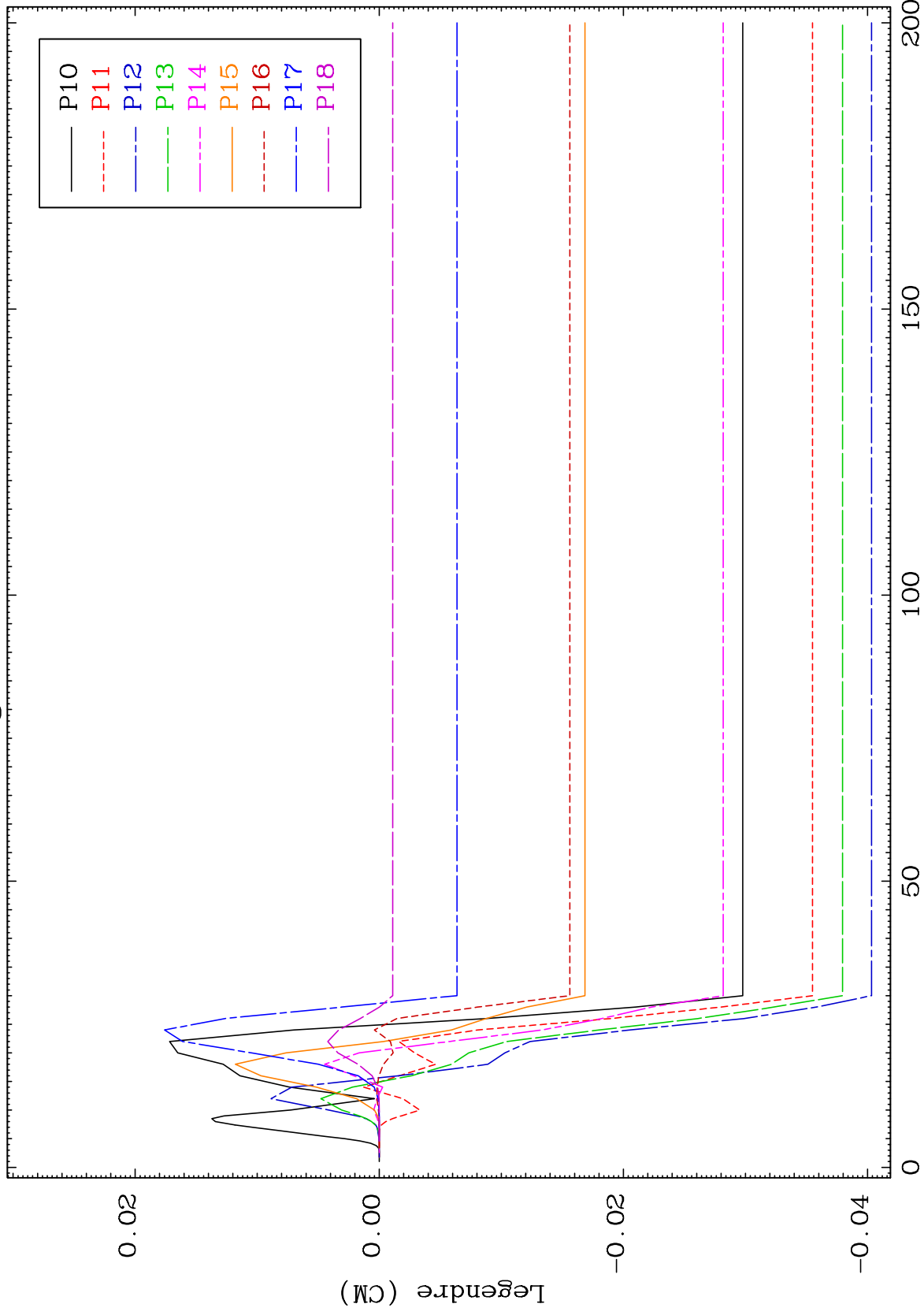




MAT 7095

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

71-Lu-165



51

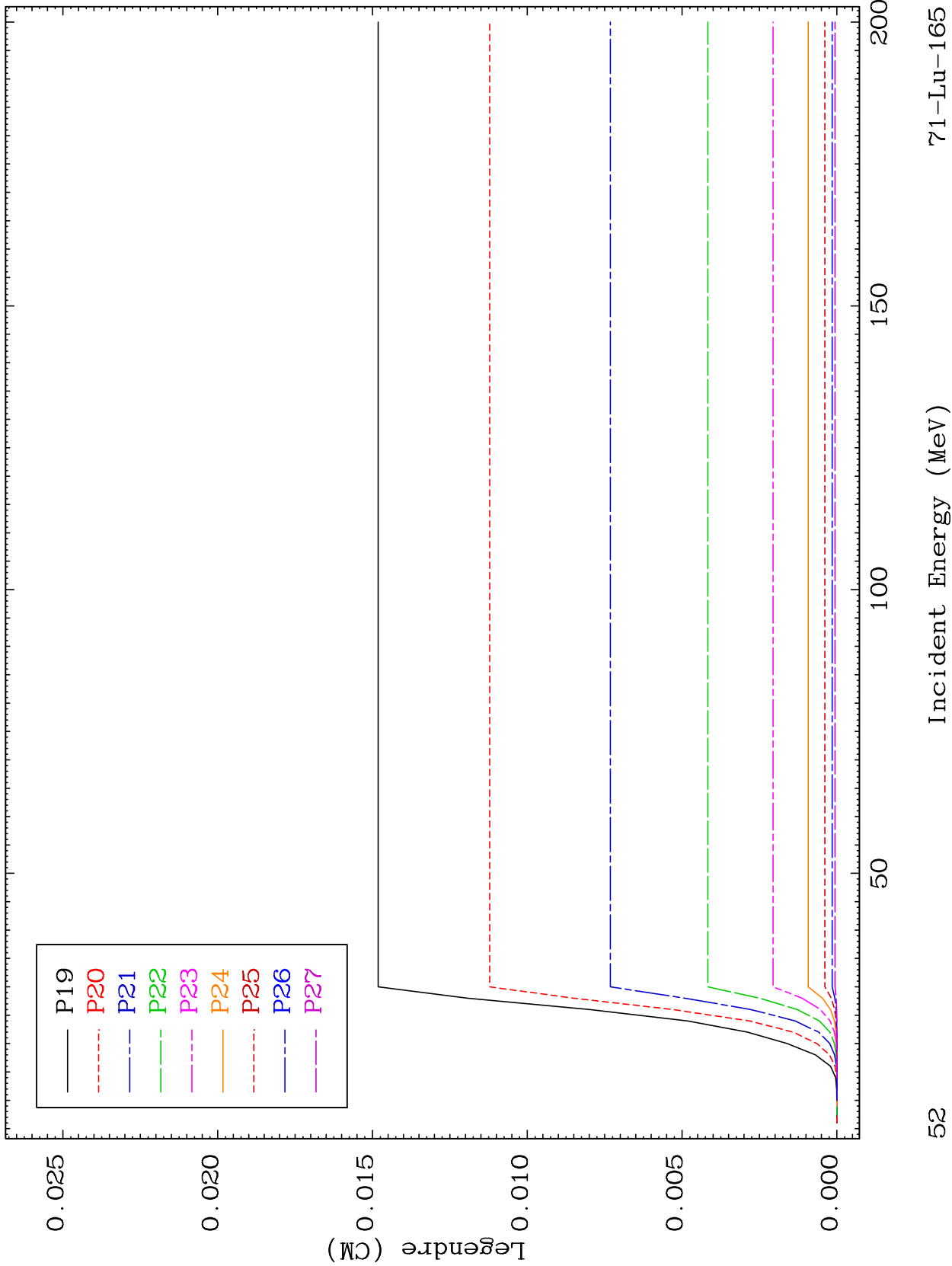
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

71-Lu-165



52

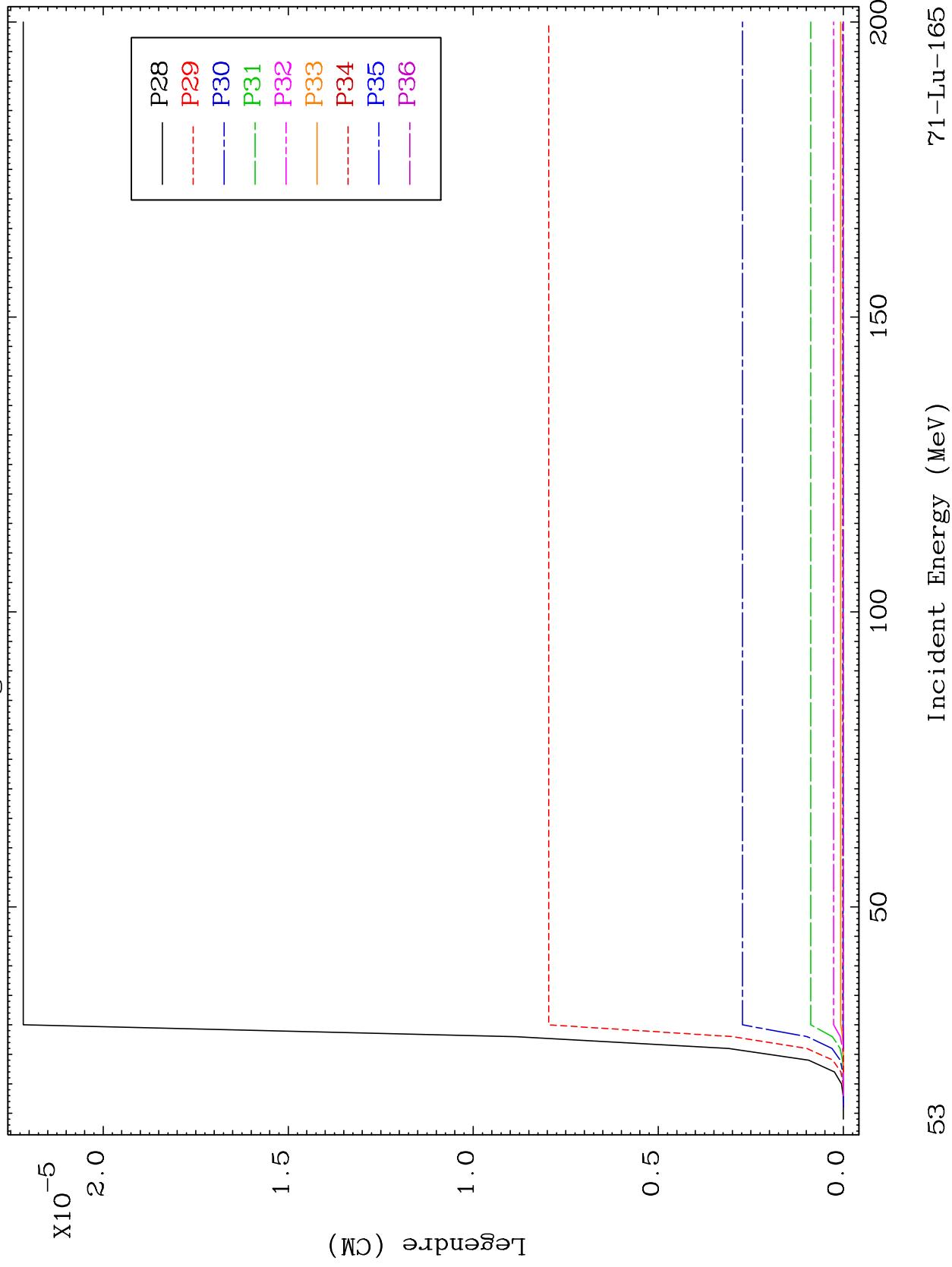
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

71-Lu-165



53

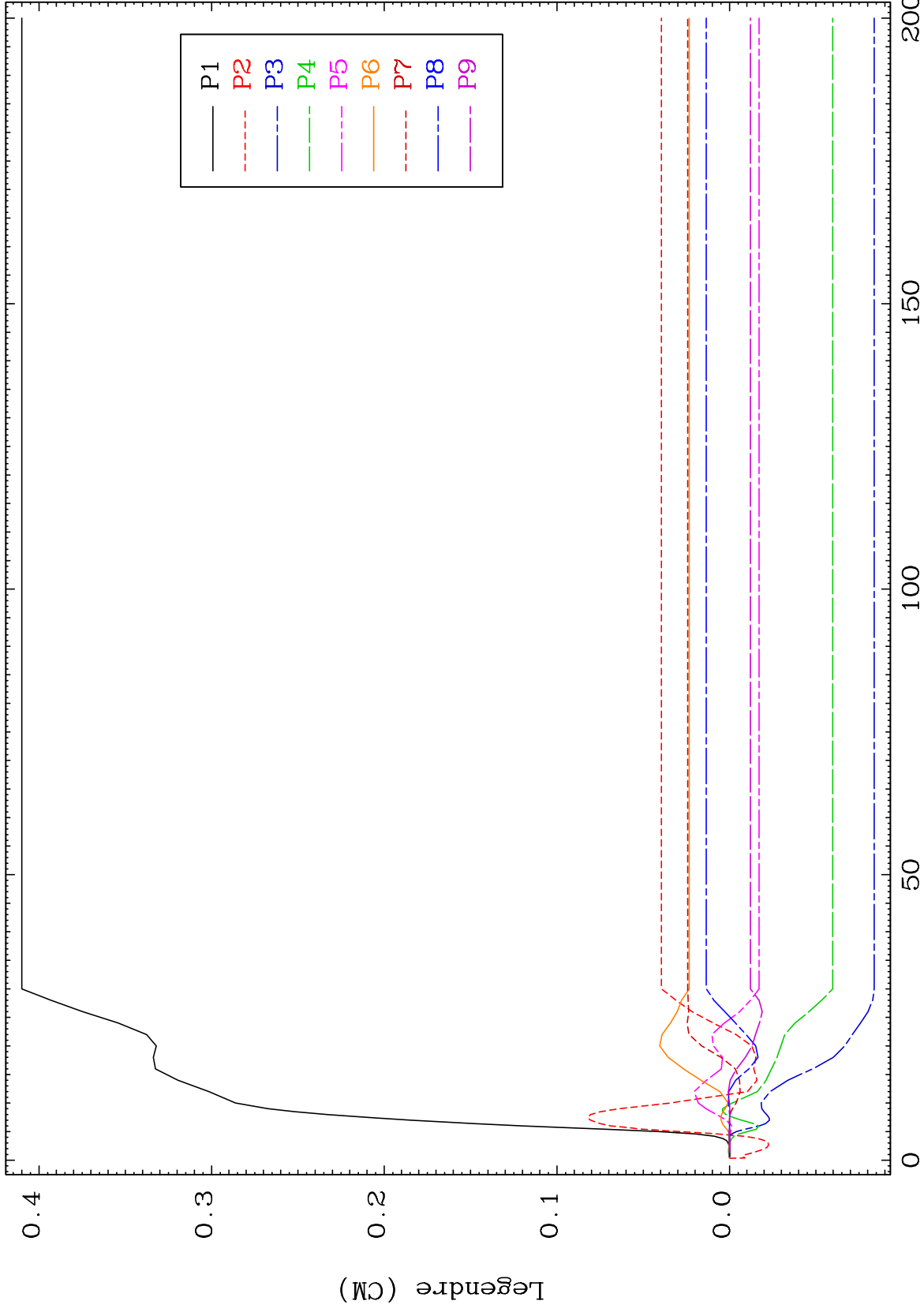
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

71-Lu-165



54

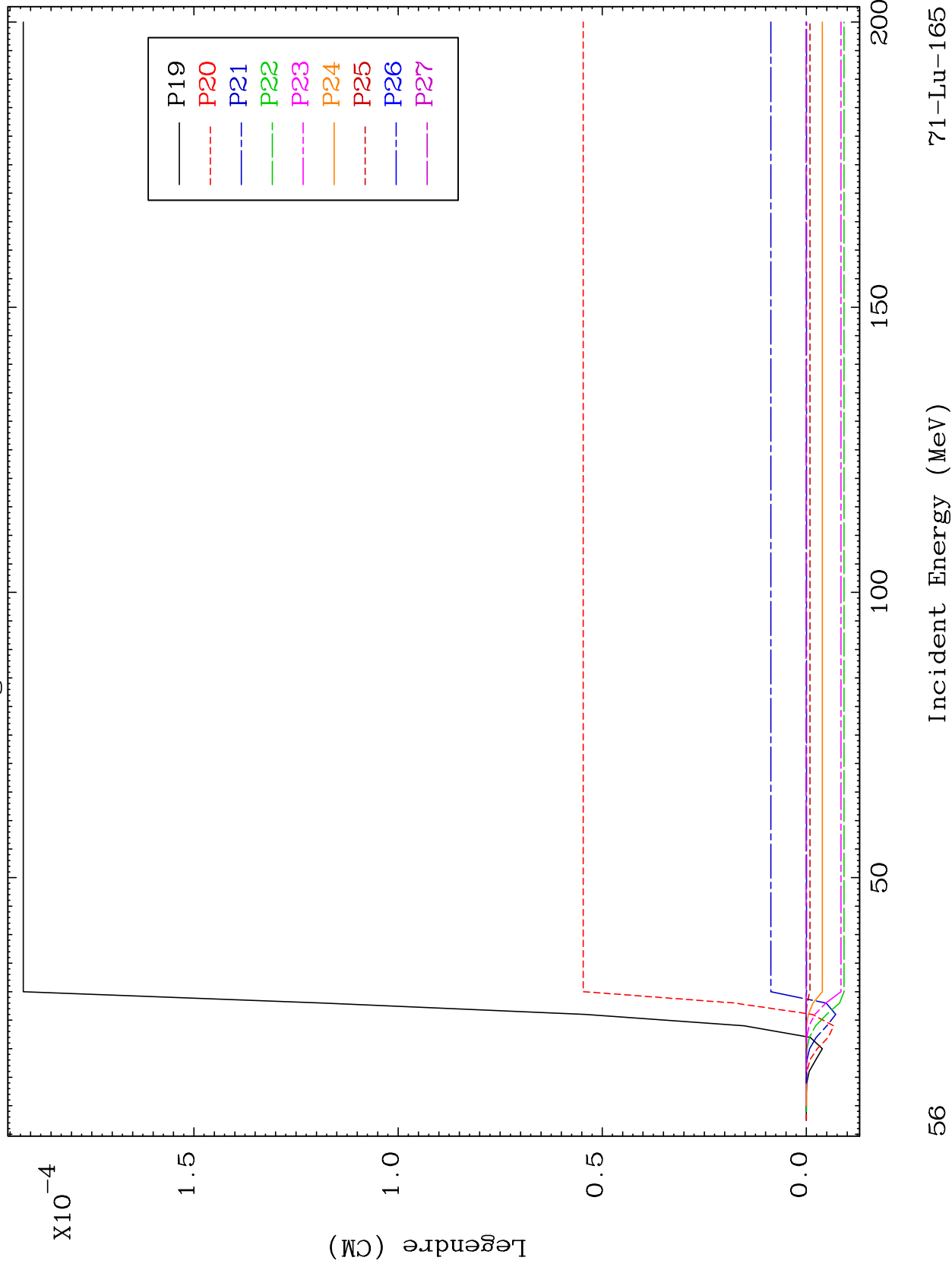
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

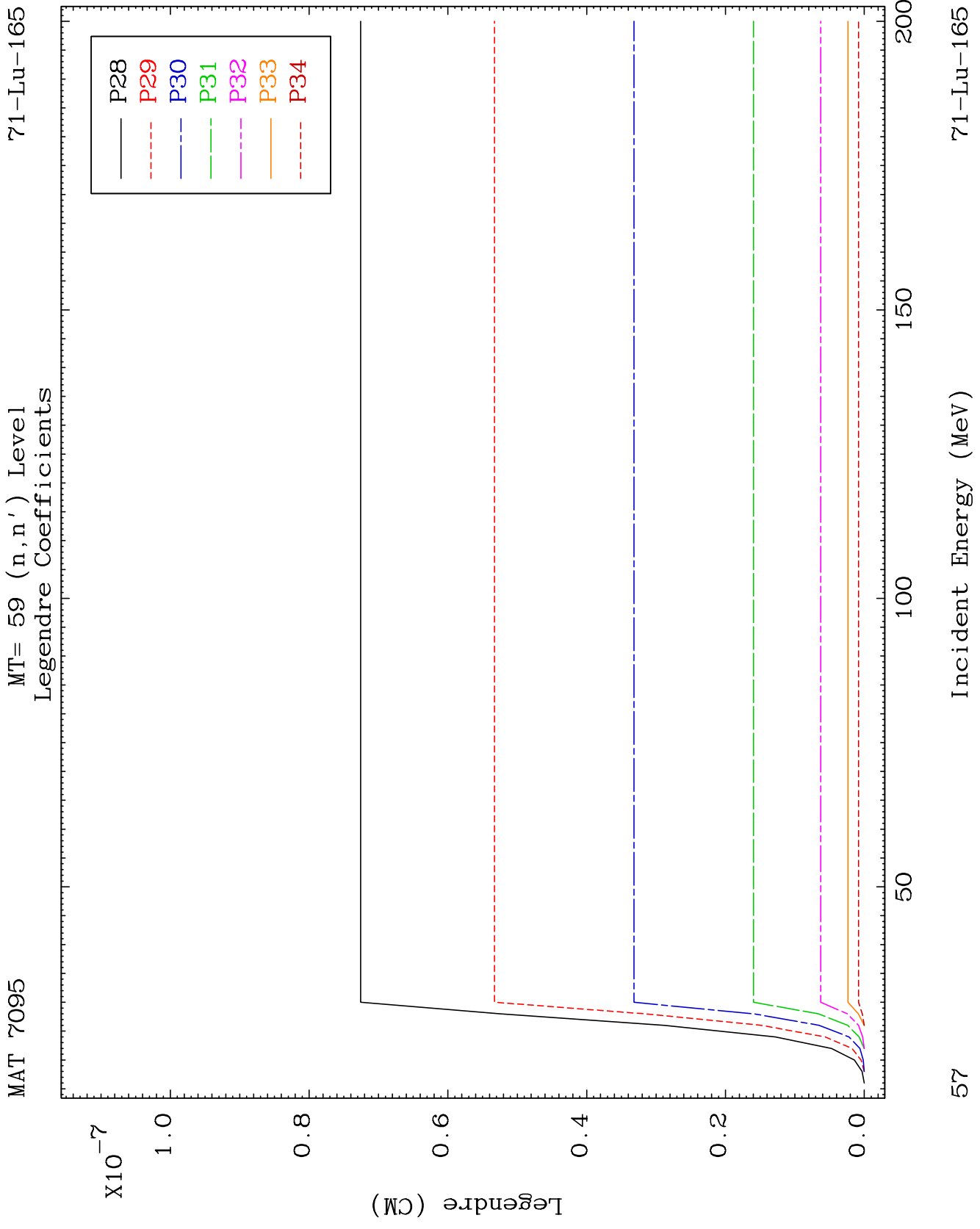
71-Lu-165

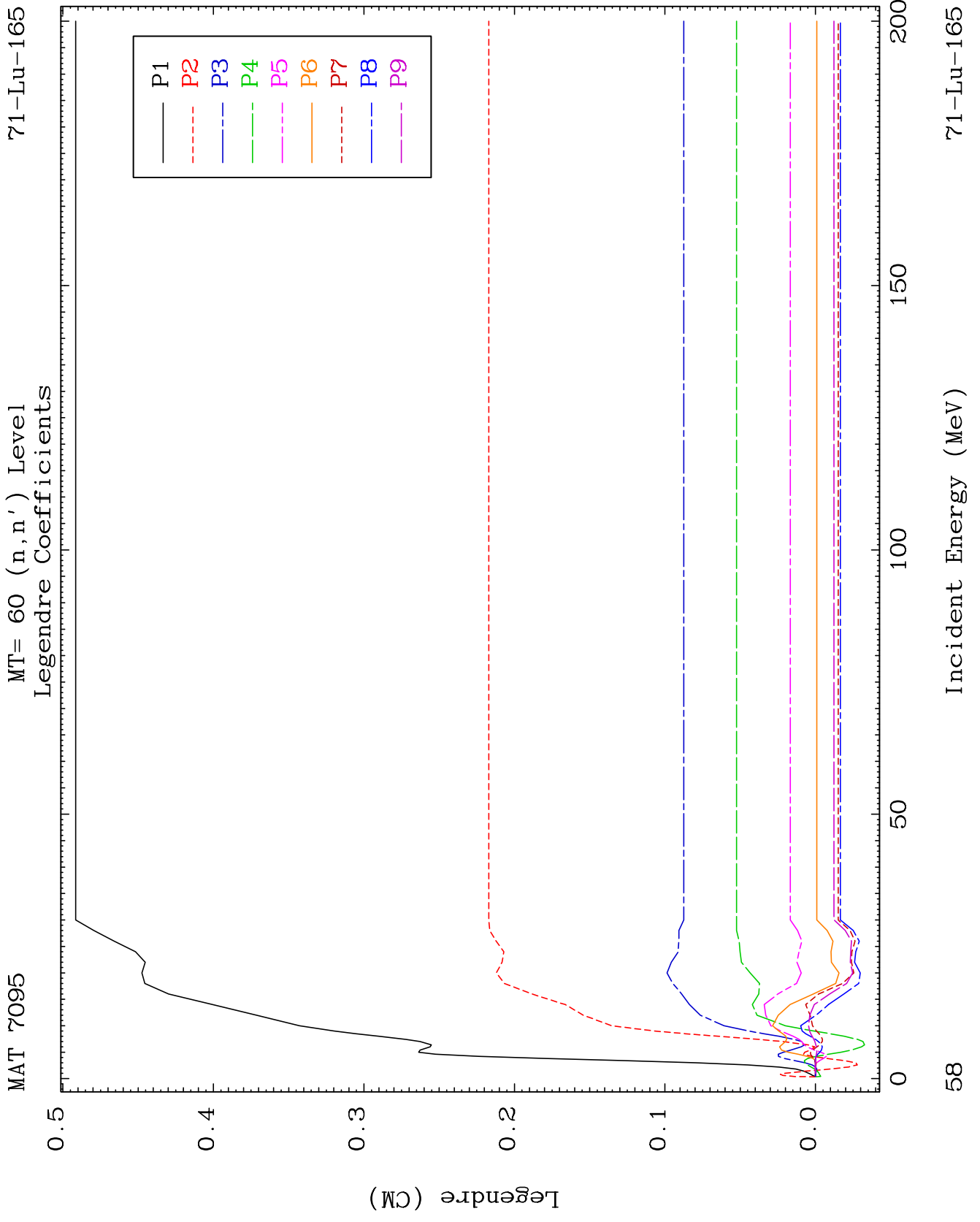


56

Incident Energy (MeV)

71-Lu-165

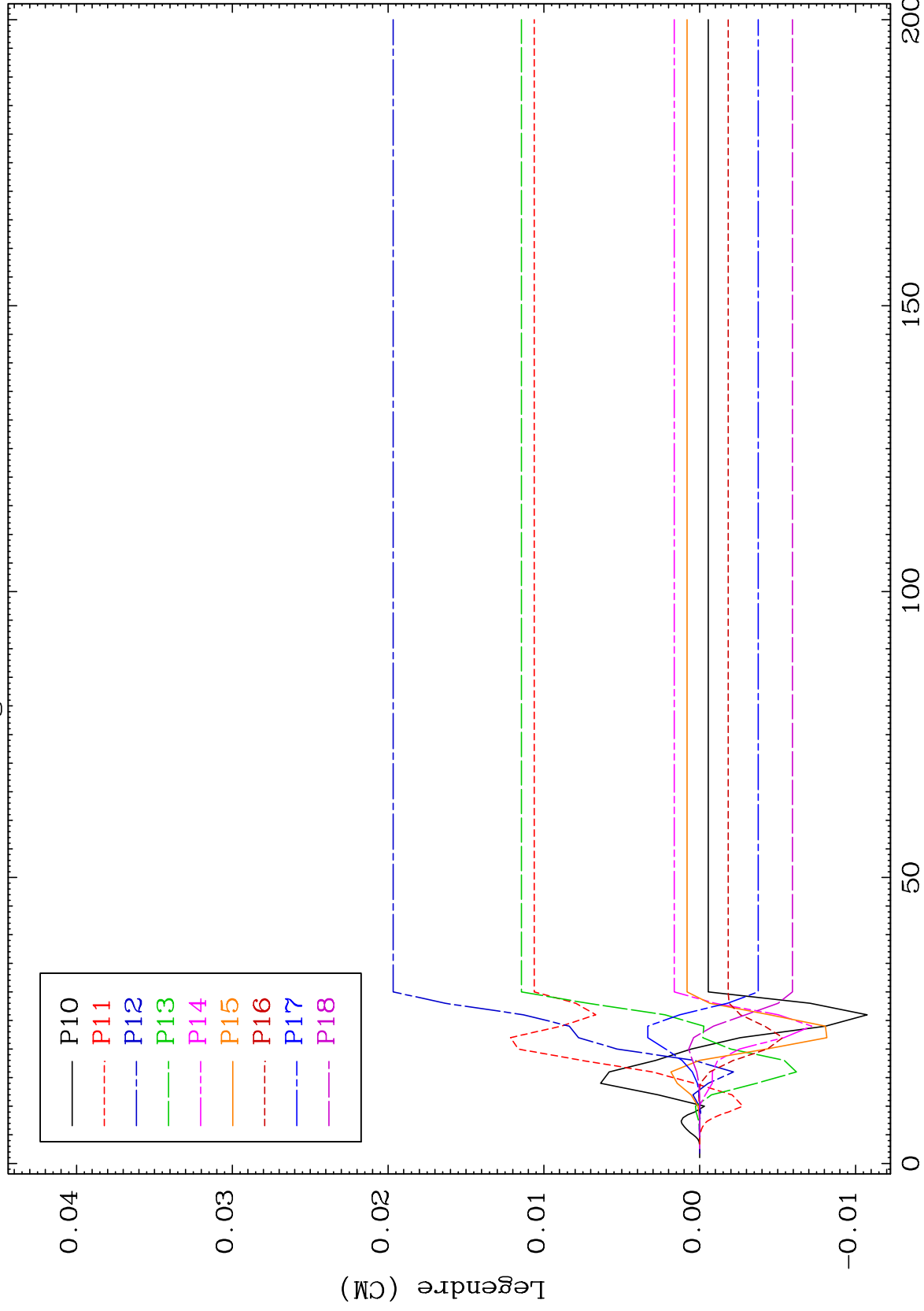




MAT 7095

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

71-Lu-165



59

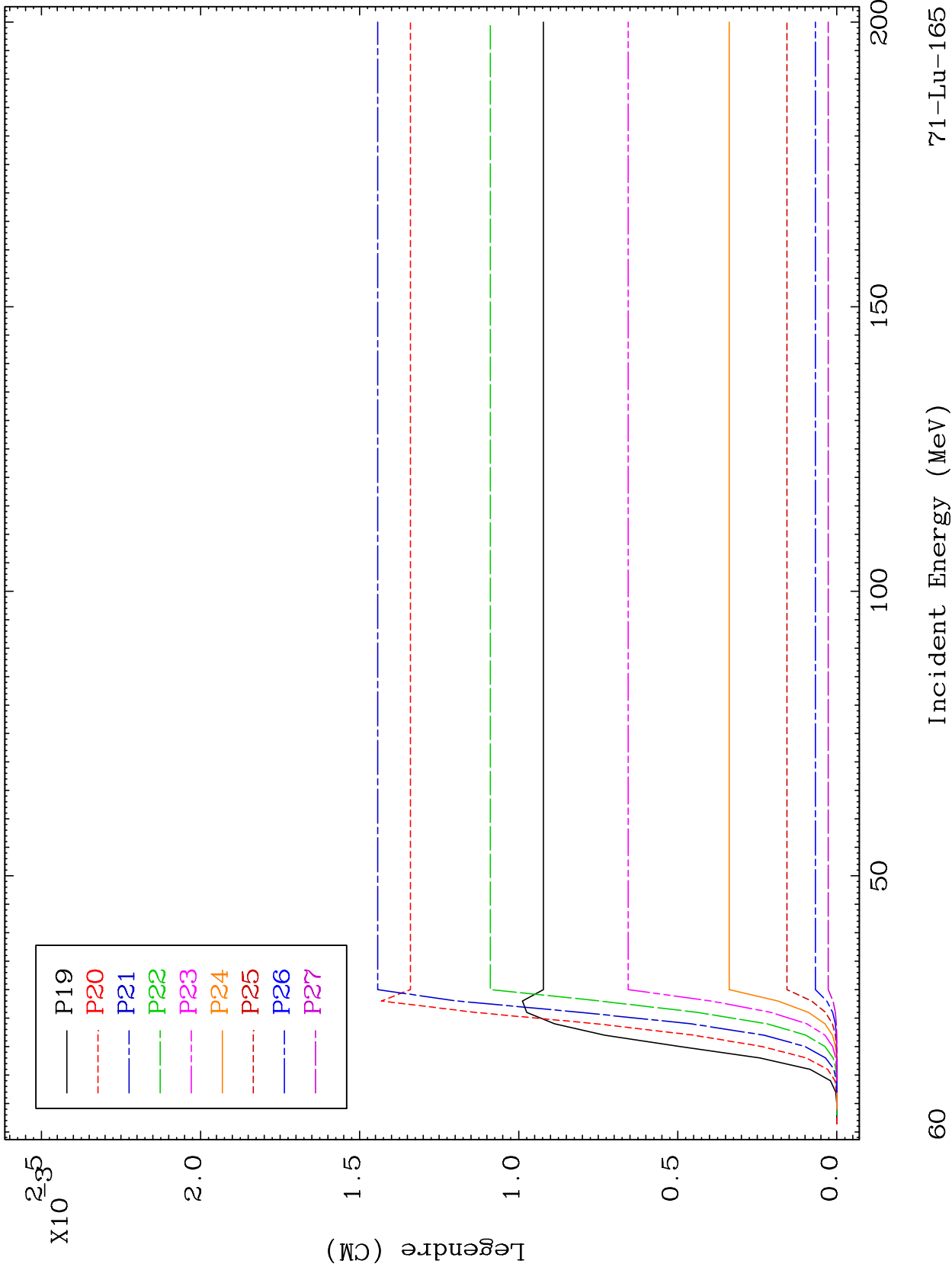
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

71-Lu-165



60

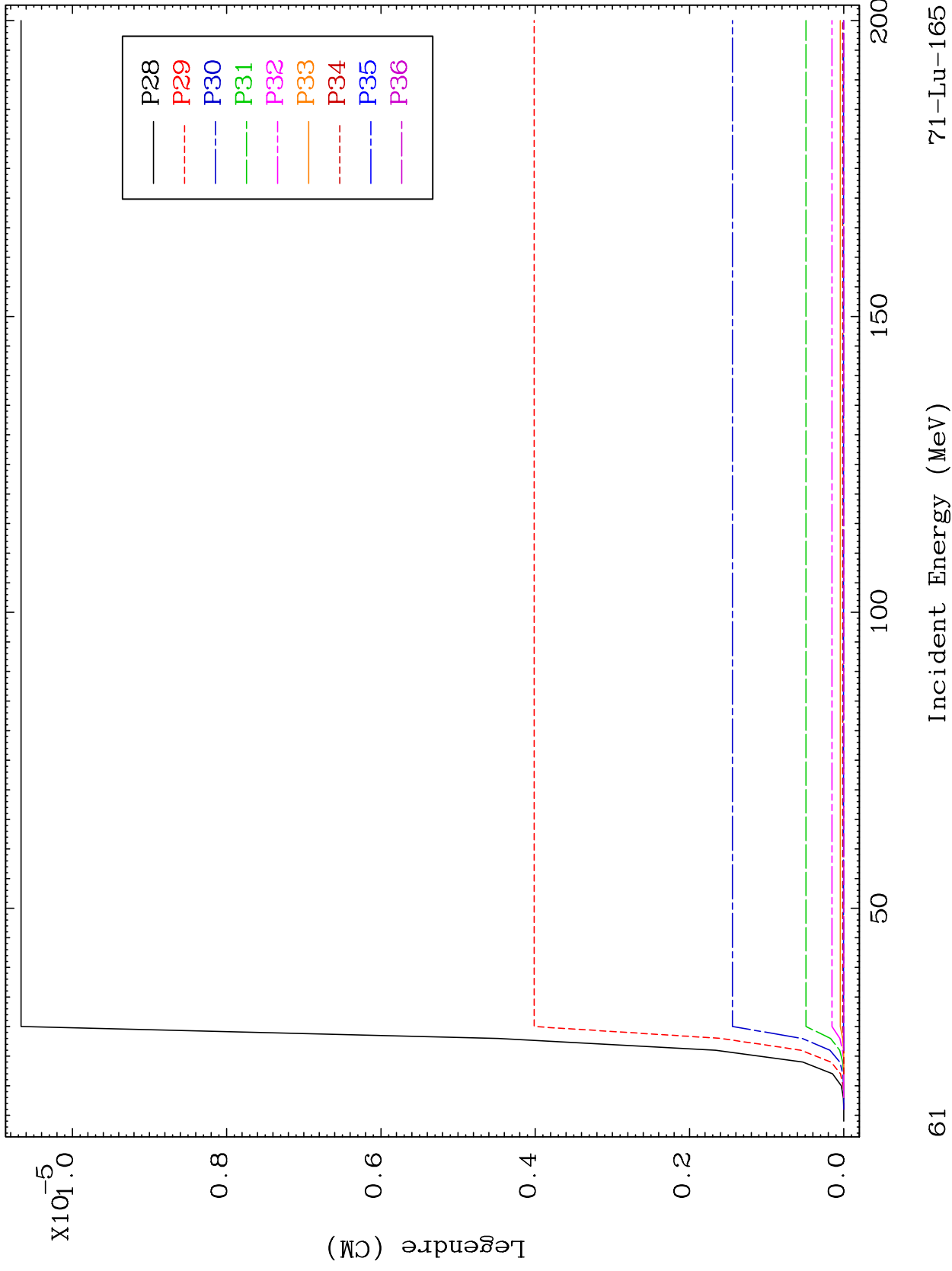
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

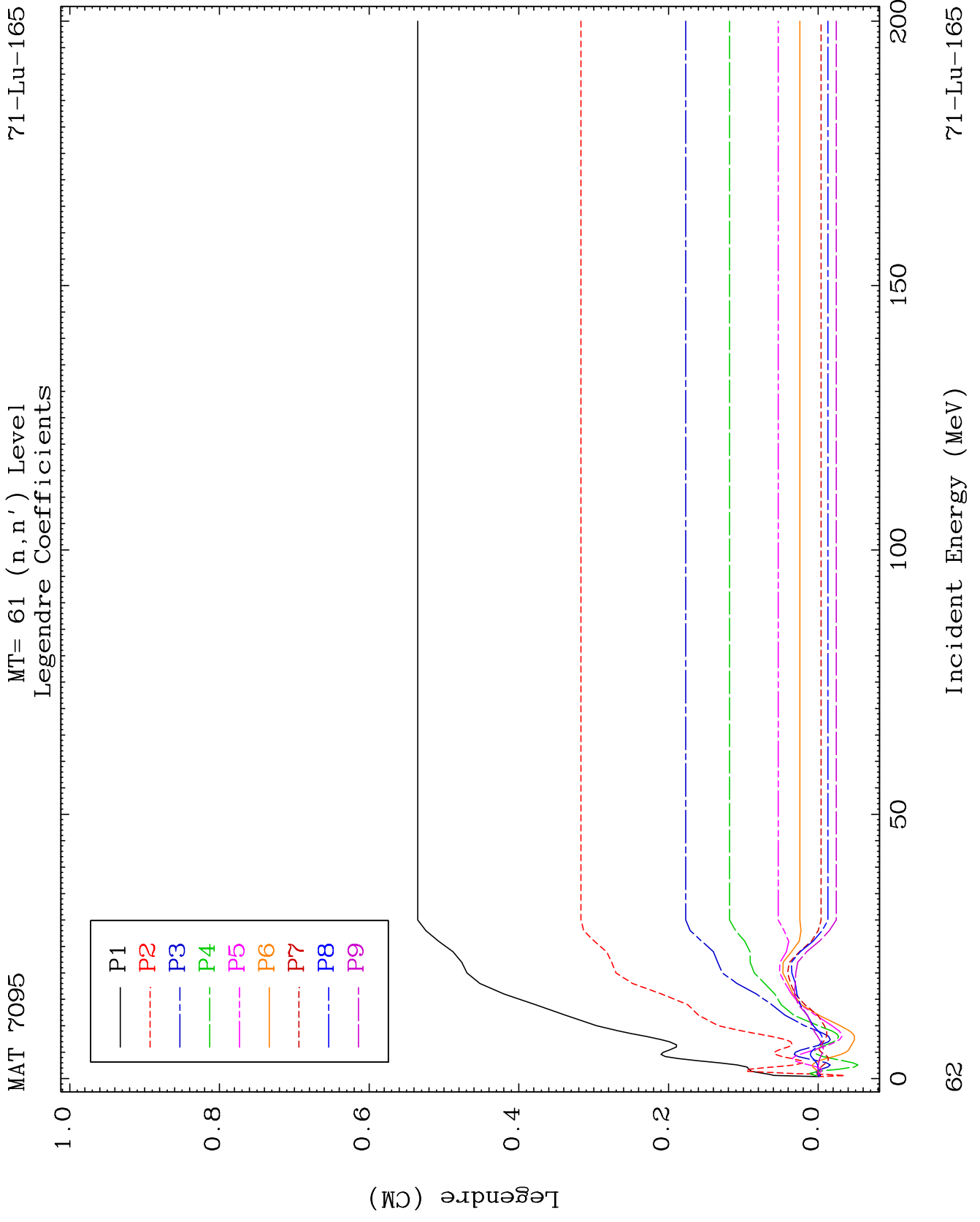
71-Lu-165



61

Incident Energy (MeV)

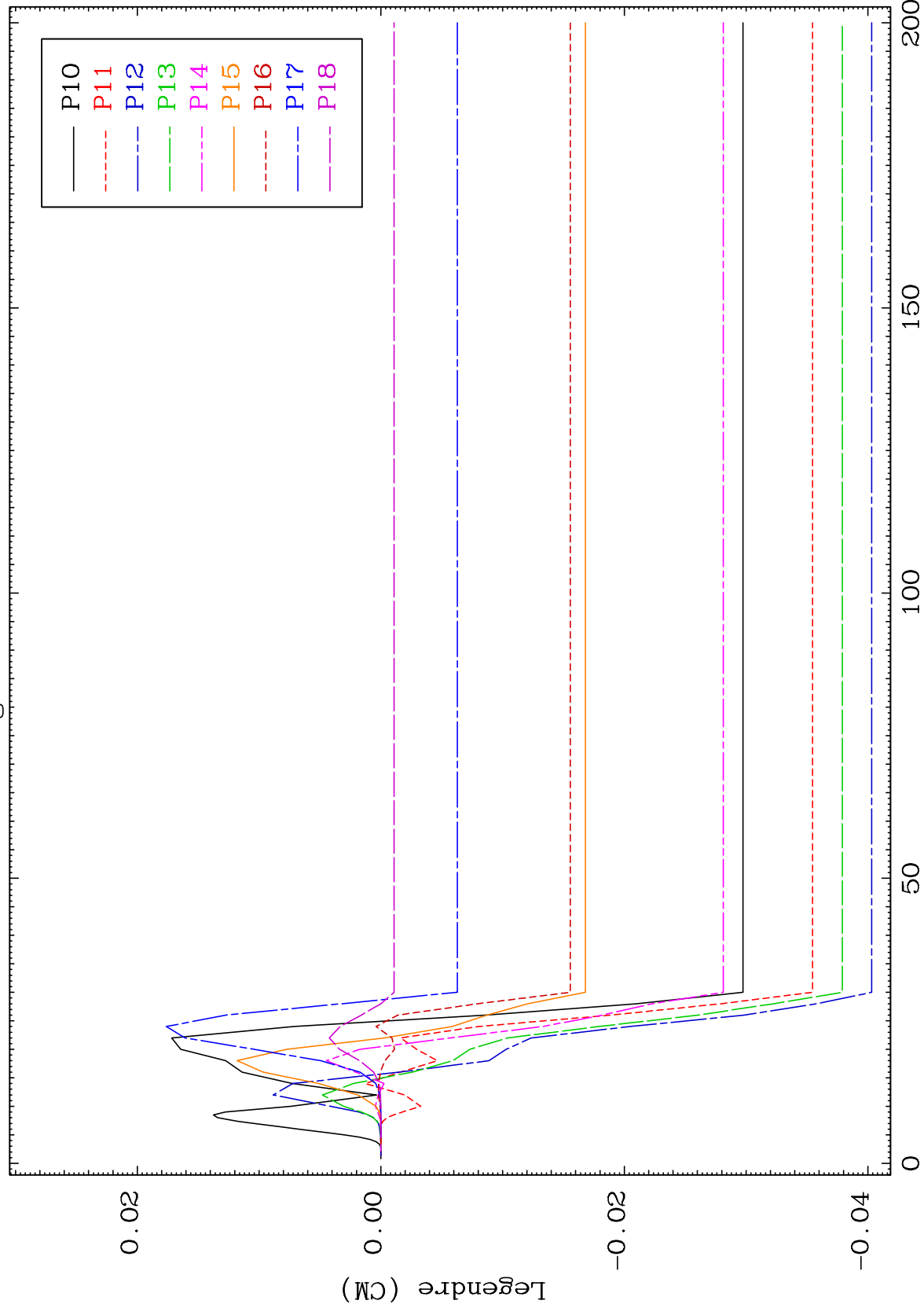
71-Lu-165



MAT 7095

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

71-Lu-165



63

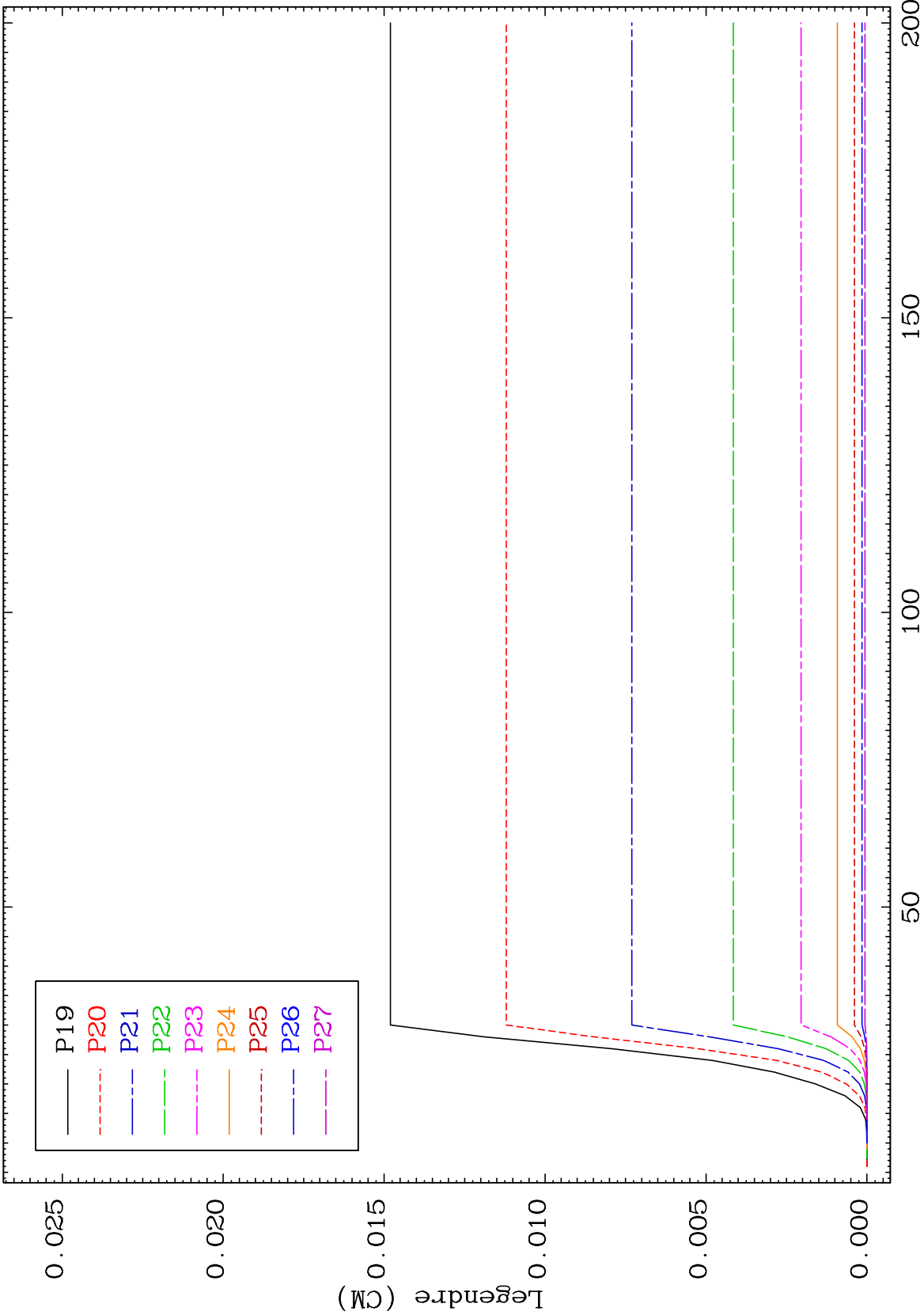
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

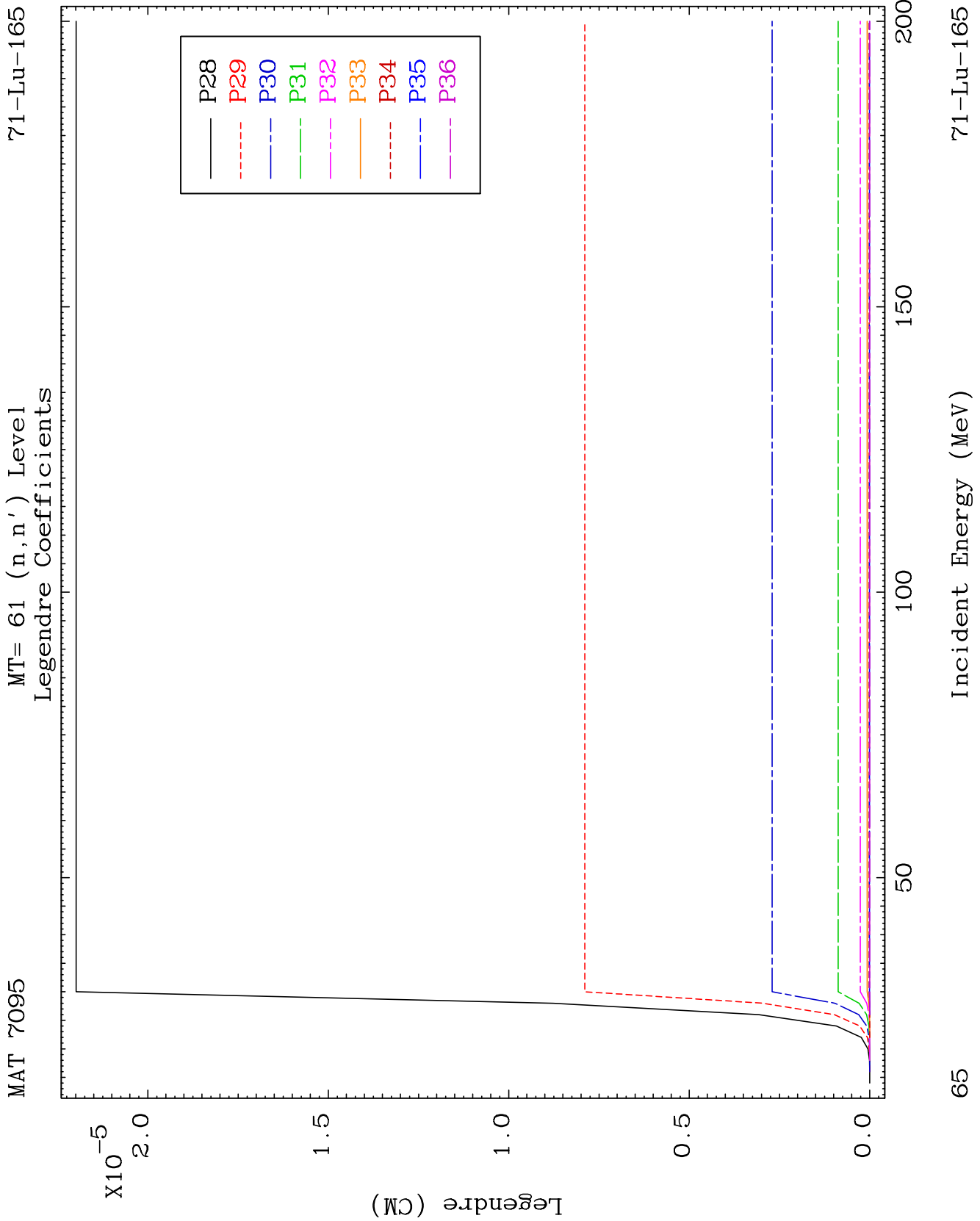
71-Lu-165

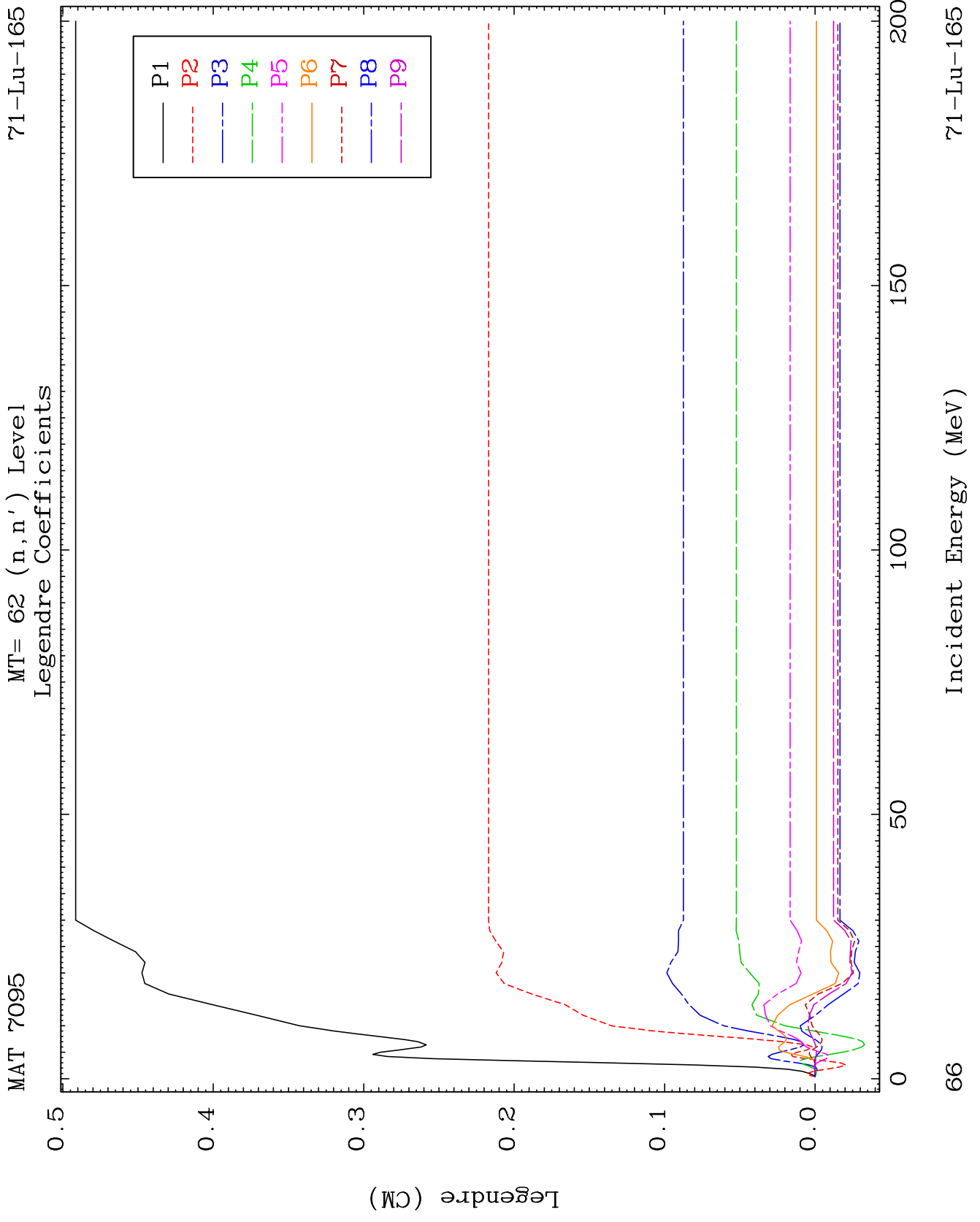


64

Incident Energy (MeV)

71-Lu-165

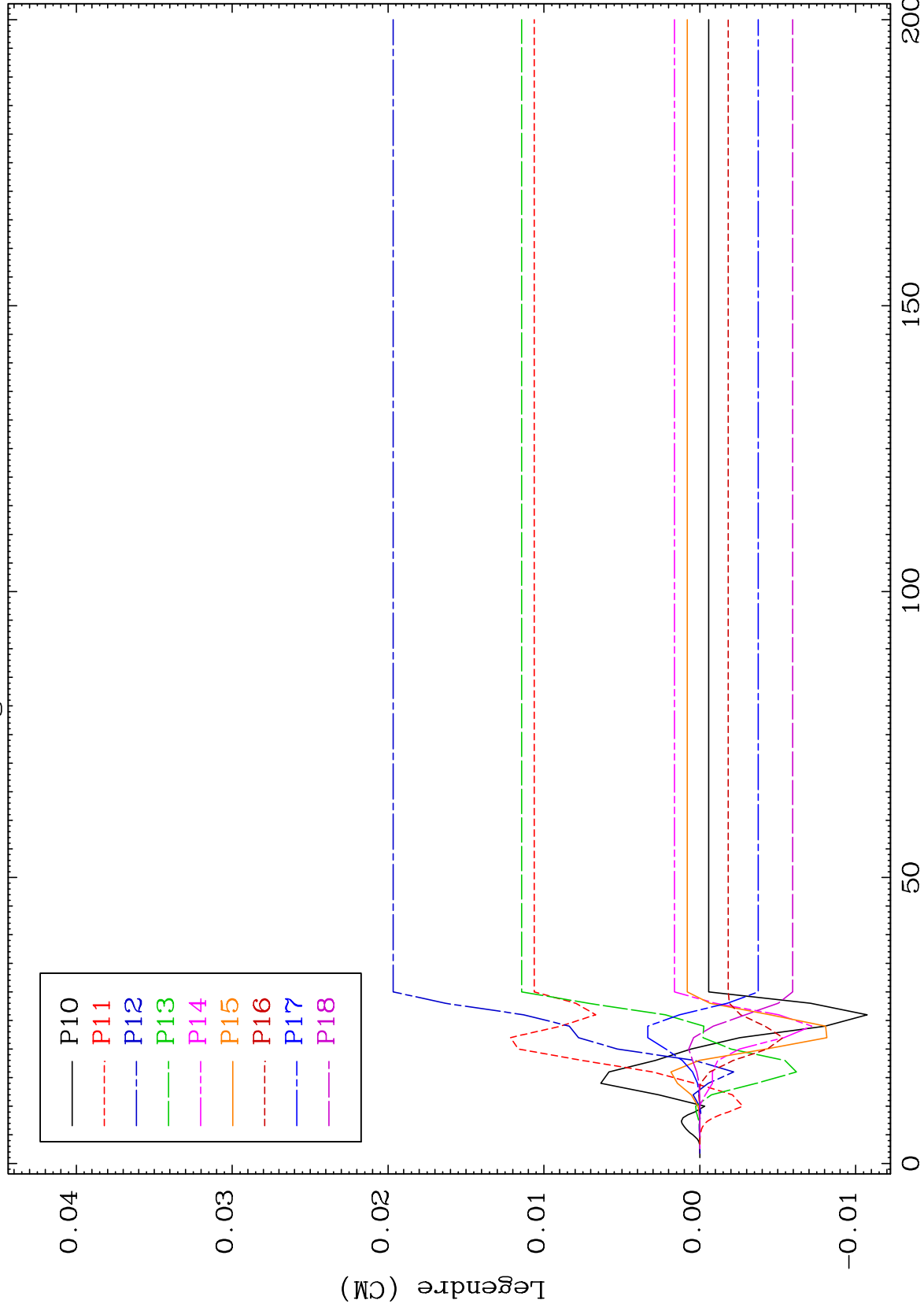




MAT 7095

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

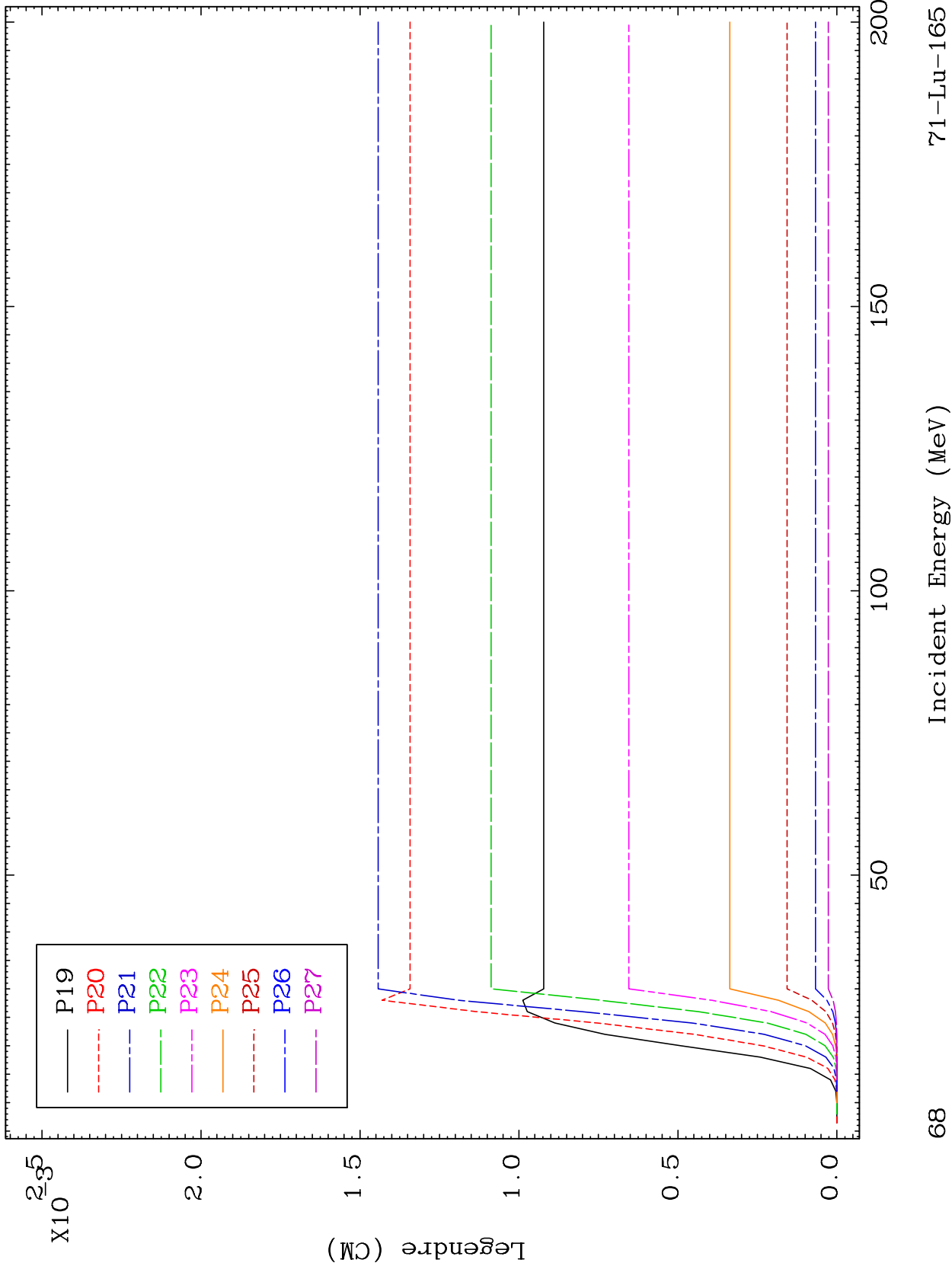
71-Lu-165

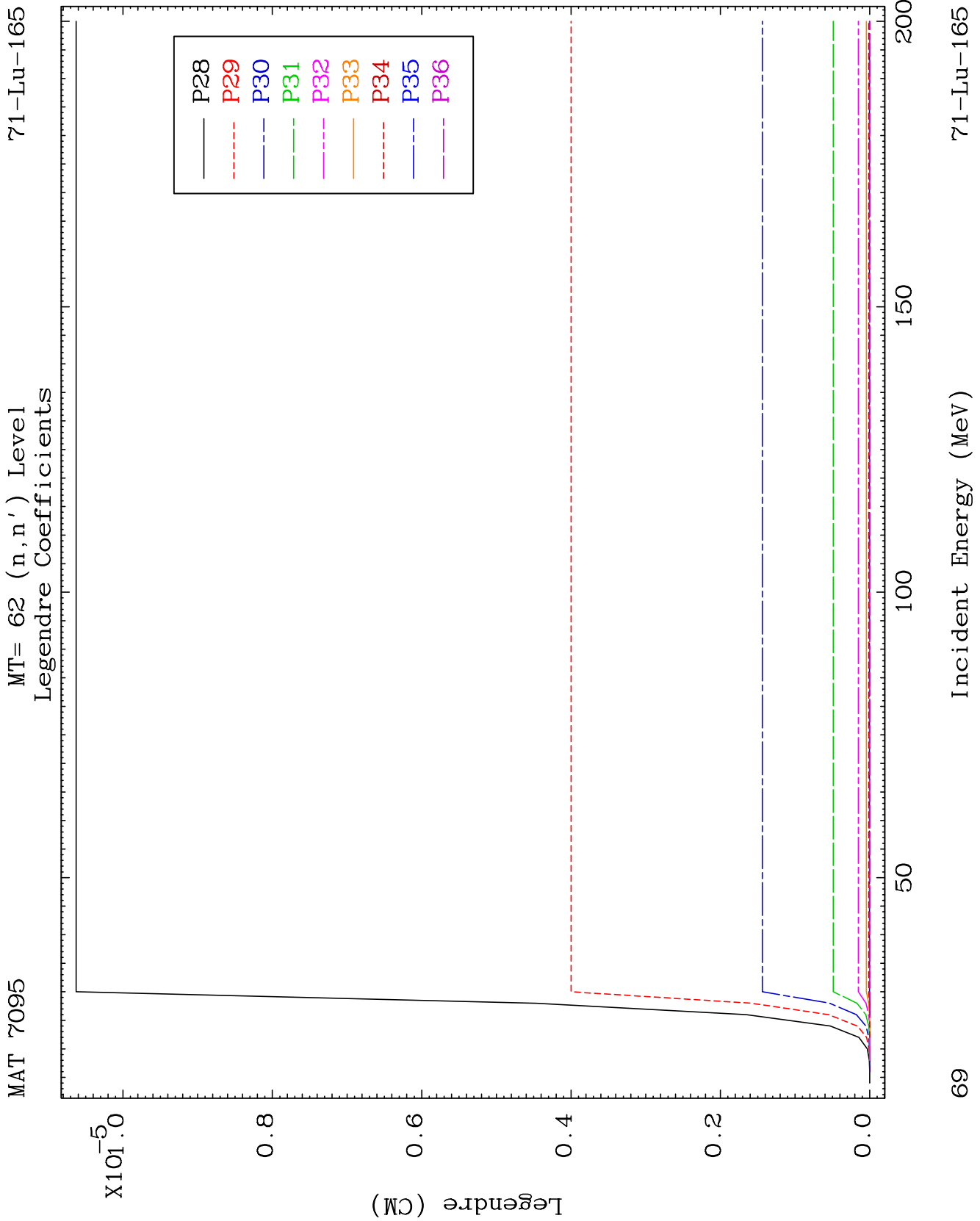


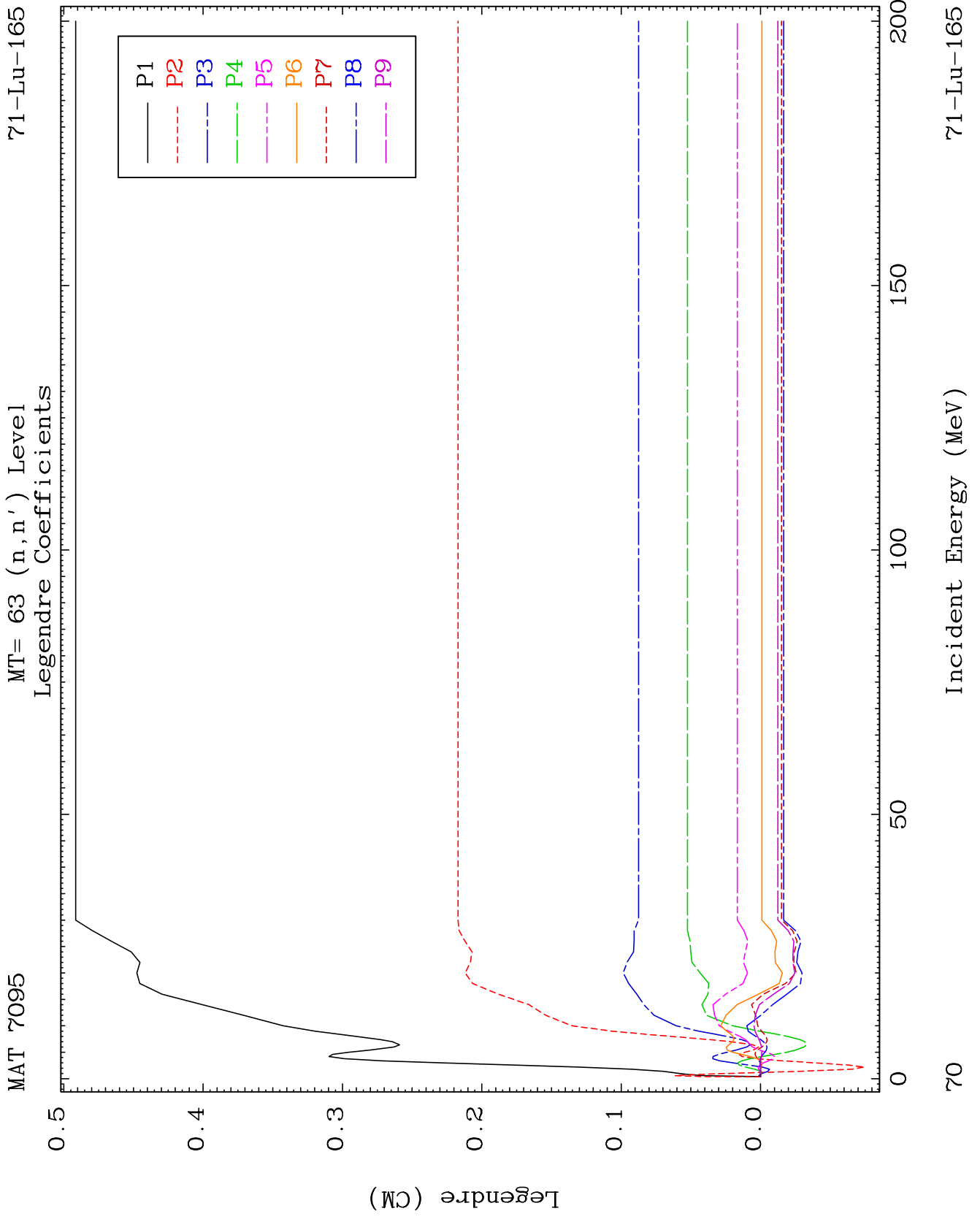
67

Incident Energy (MeV)

71-Lu-165



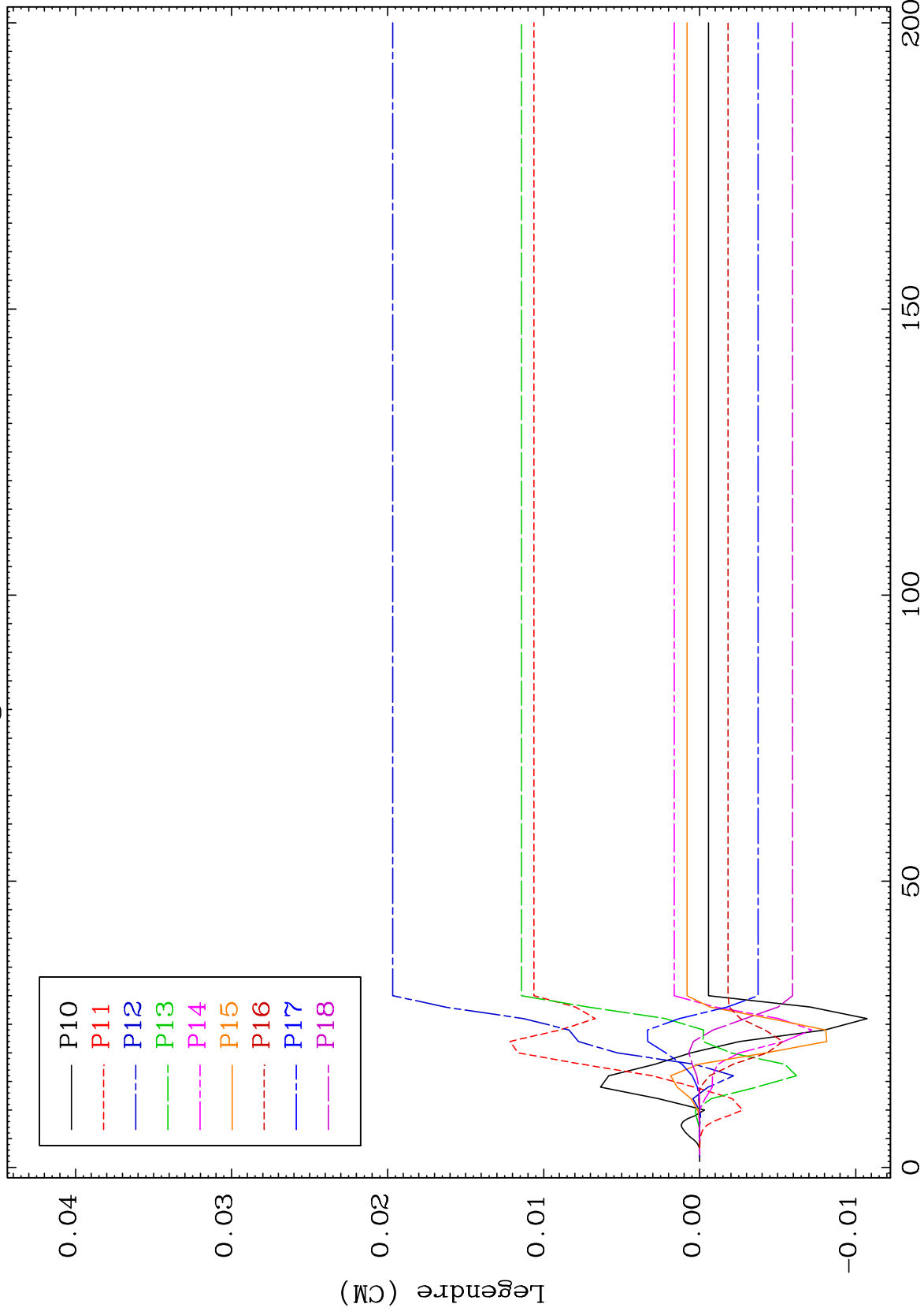




MAT 7095

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

71-Lu-165



71

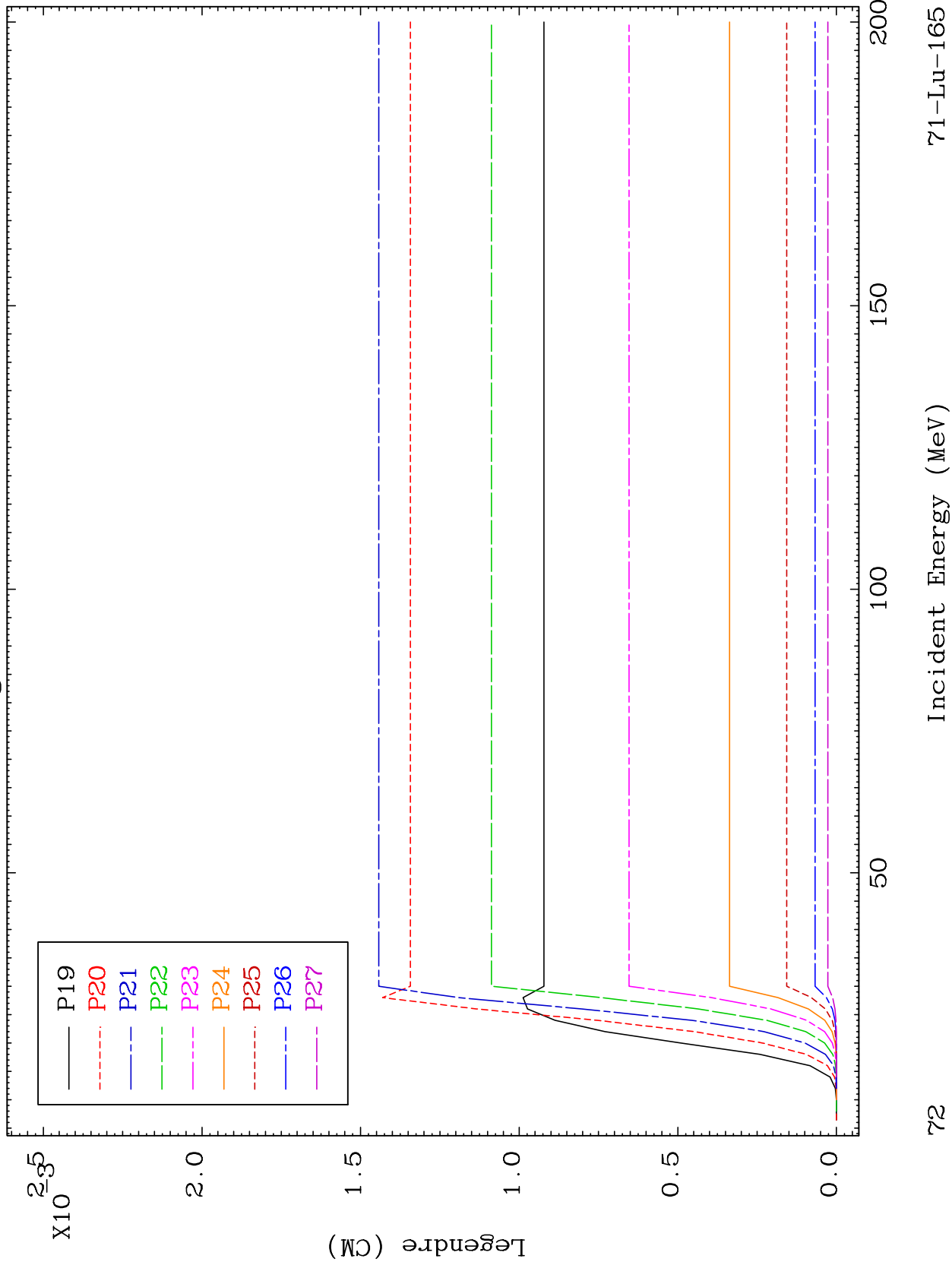
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

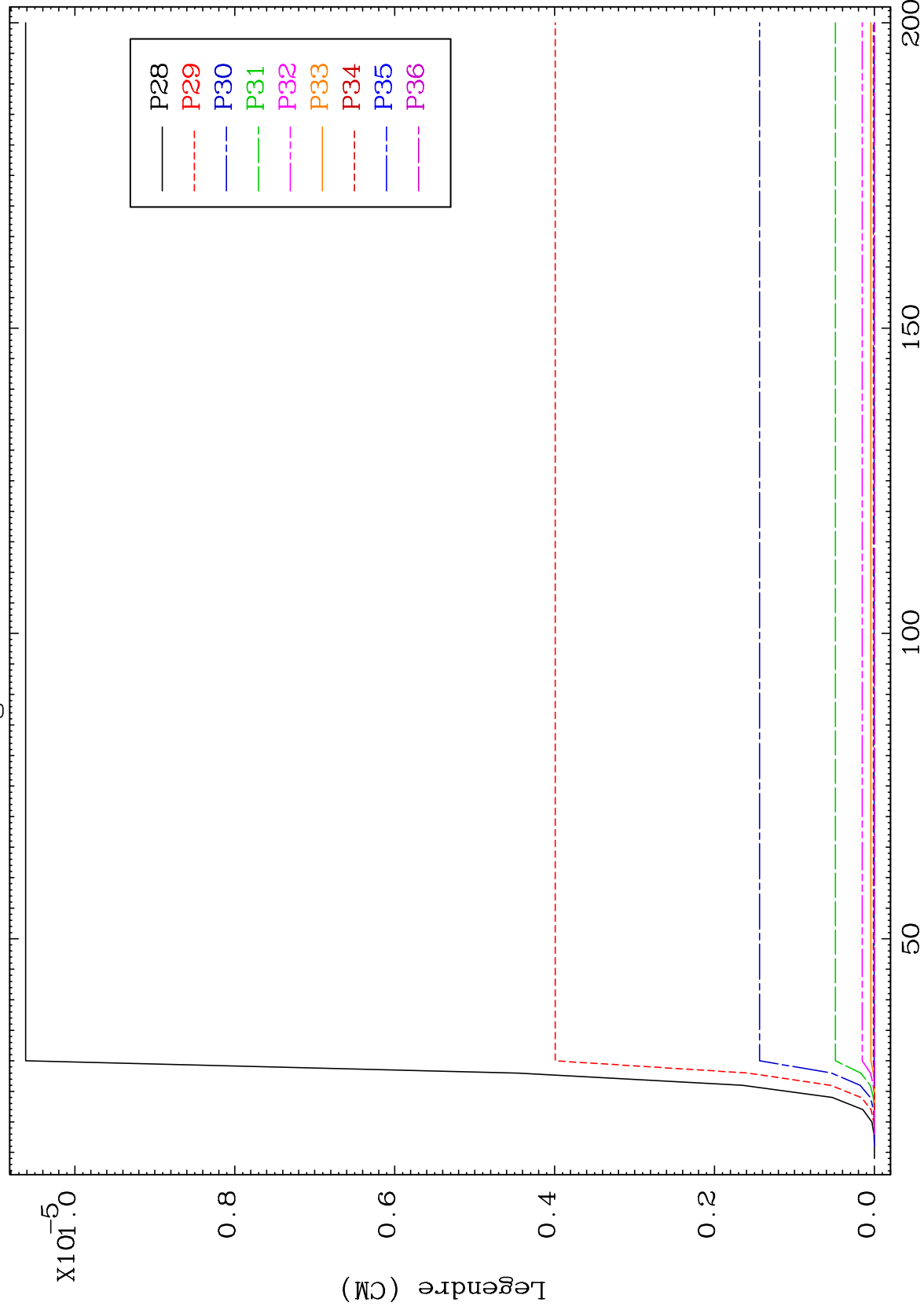
71-Lu-165



MAT 7095

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

71-Lu-165



71-Lu-165

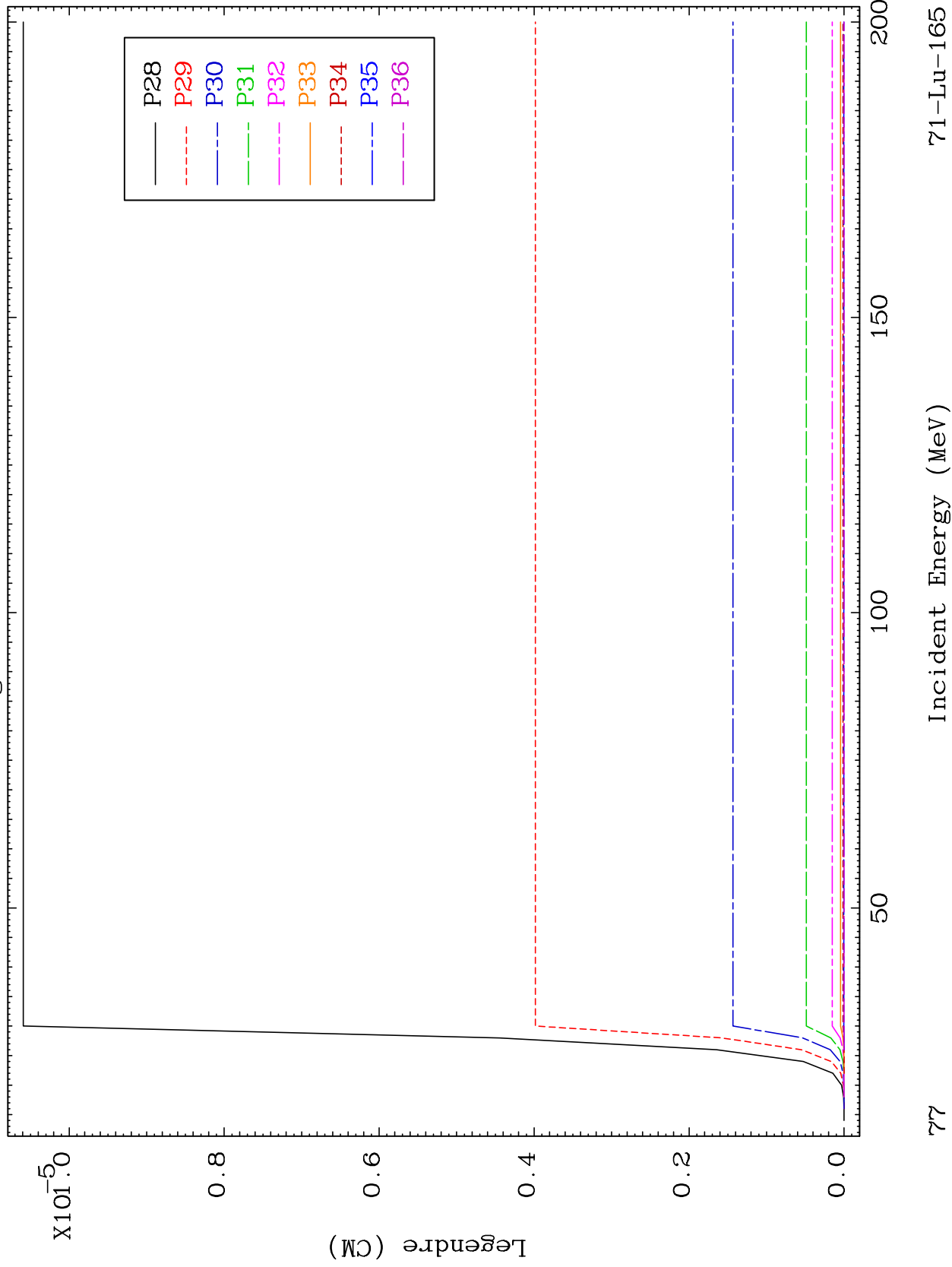
Incident Energy (MeV)

73

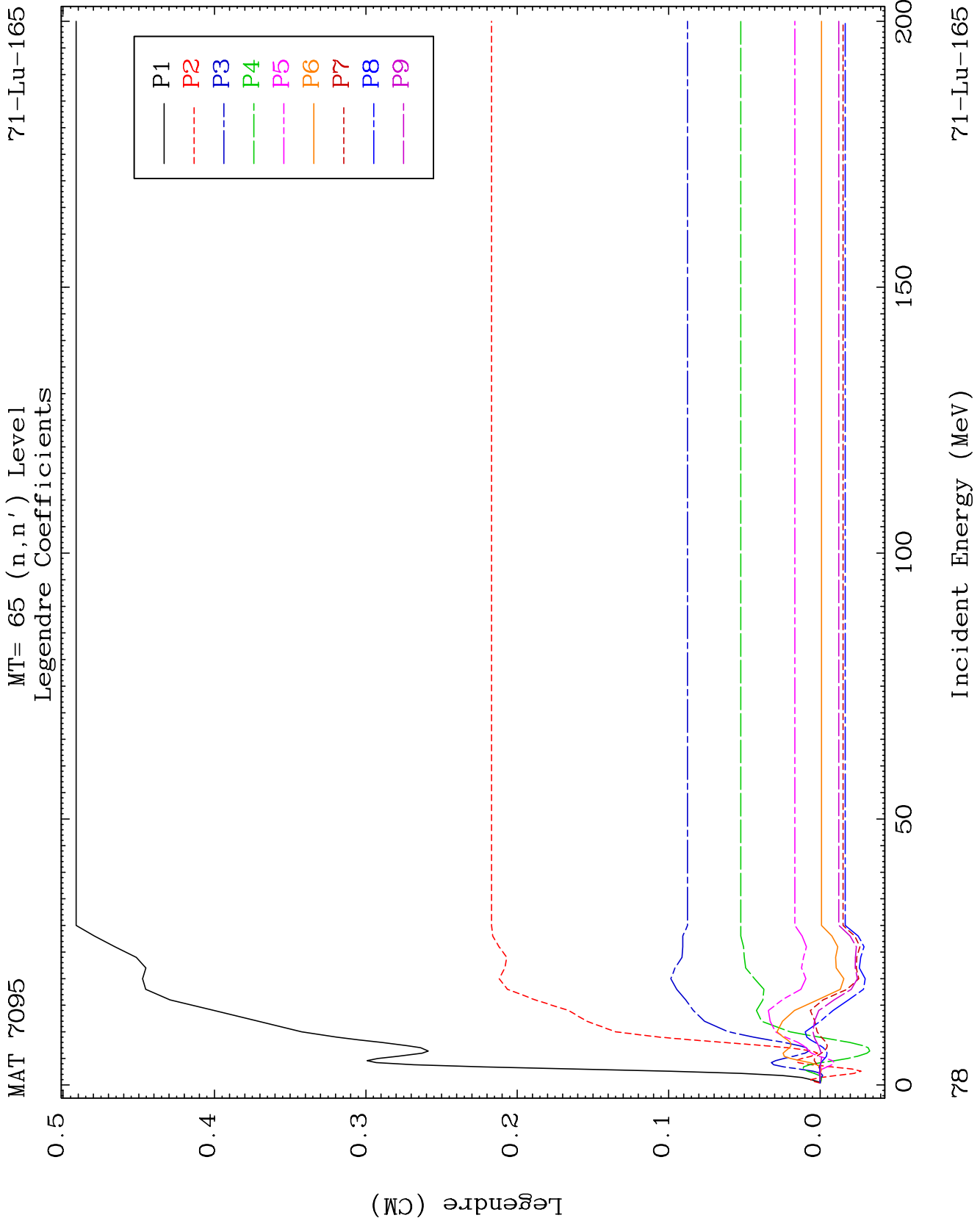
MAT 7095

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

71-Lu-165



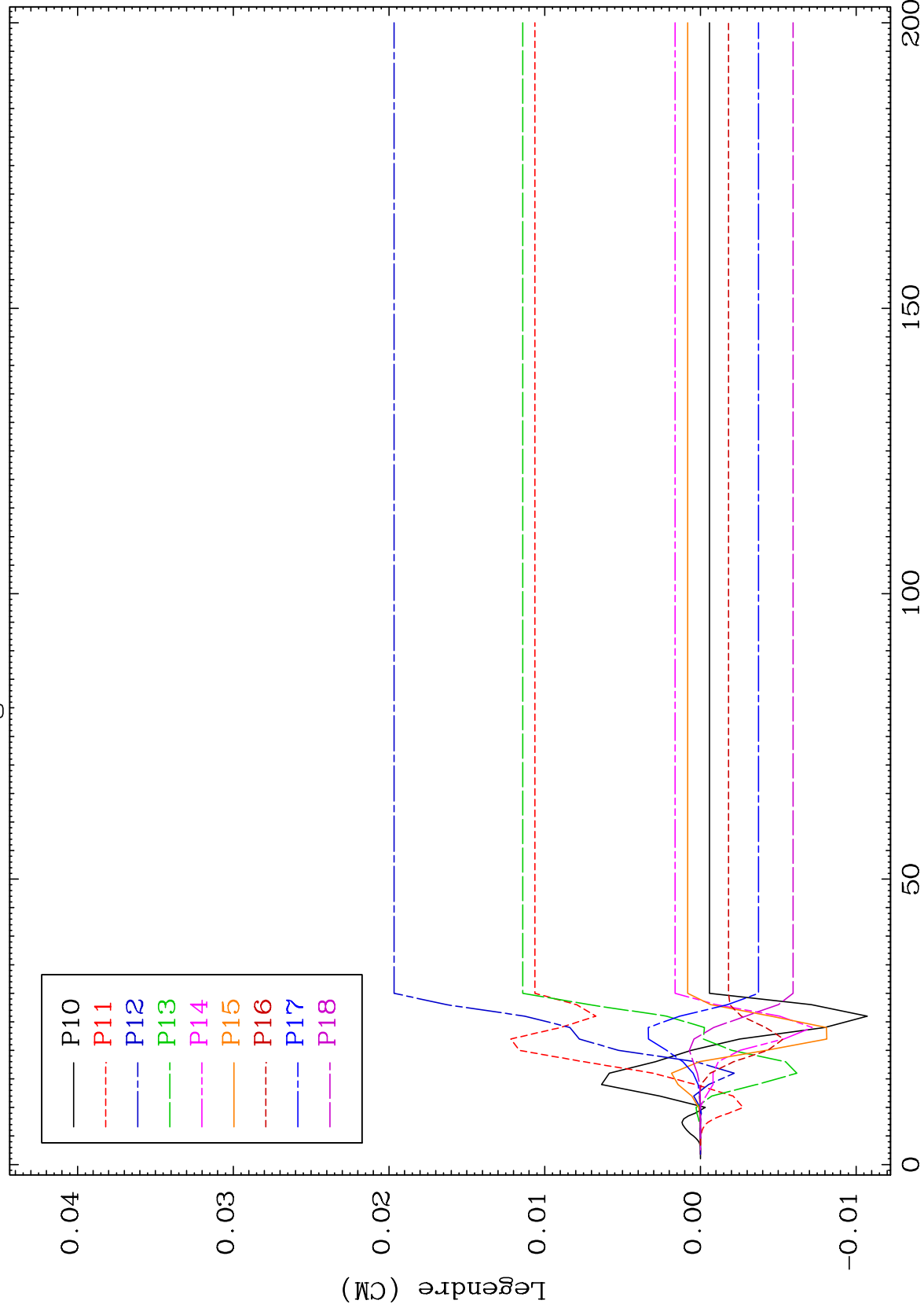
77



MAT 7095

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

71-Lu-165



79

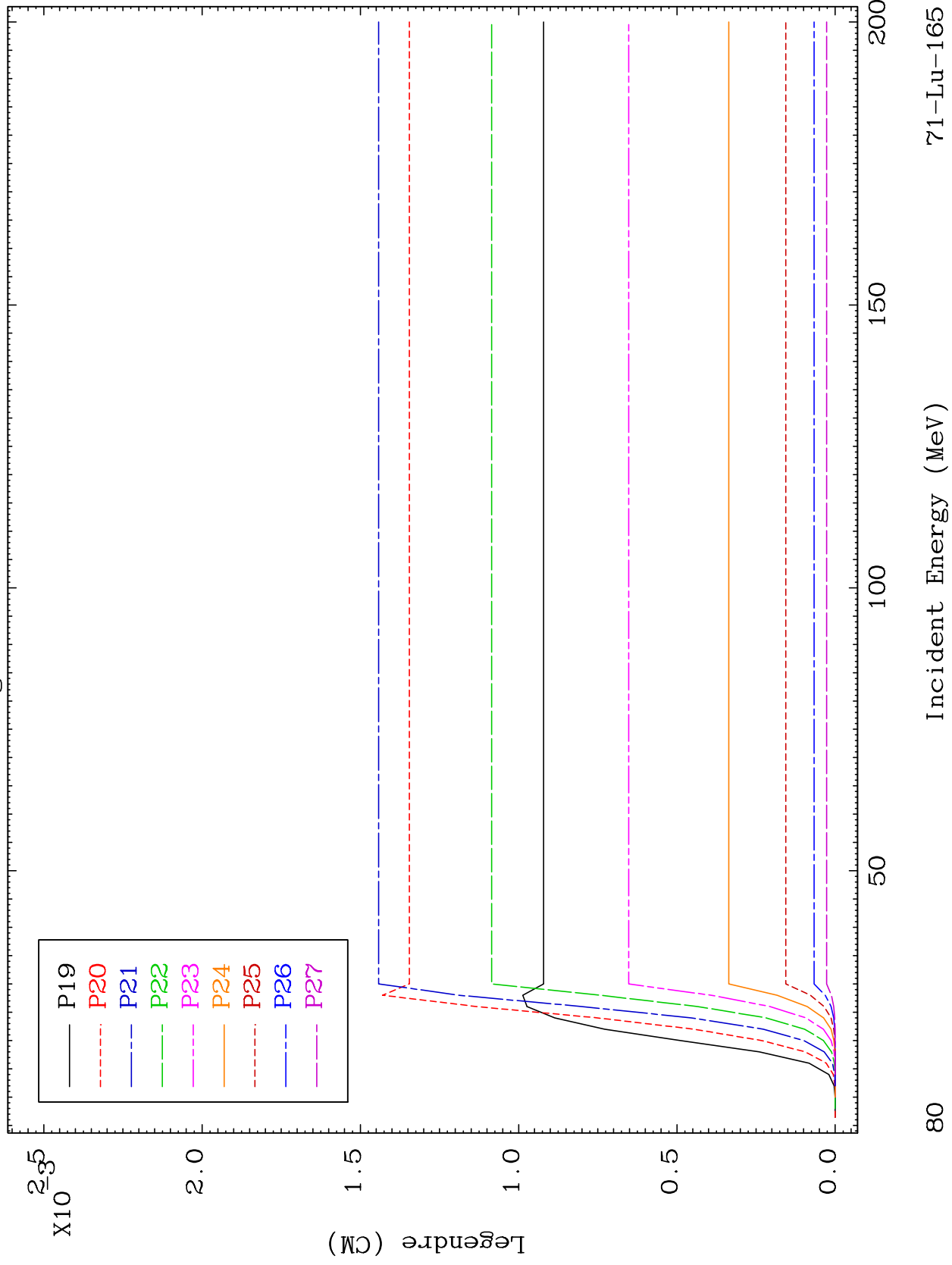
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

71-Lu-165



80

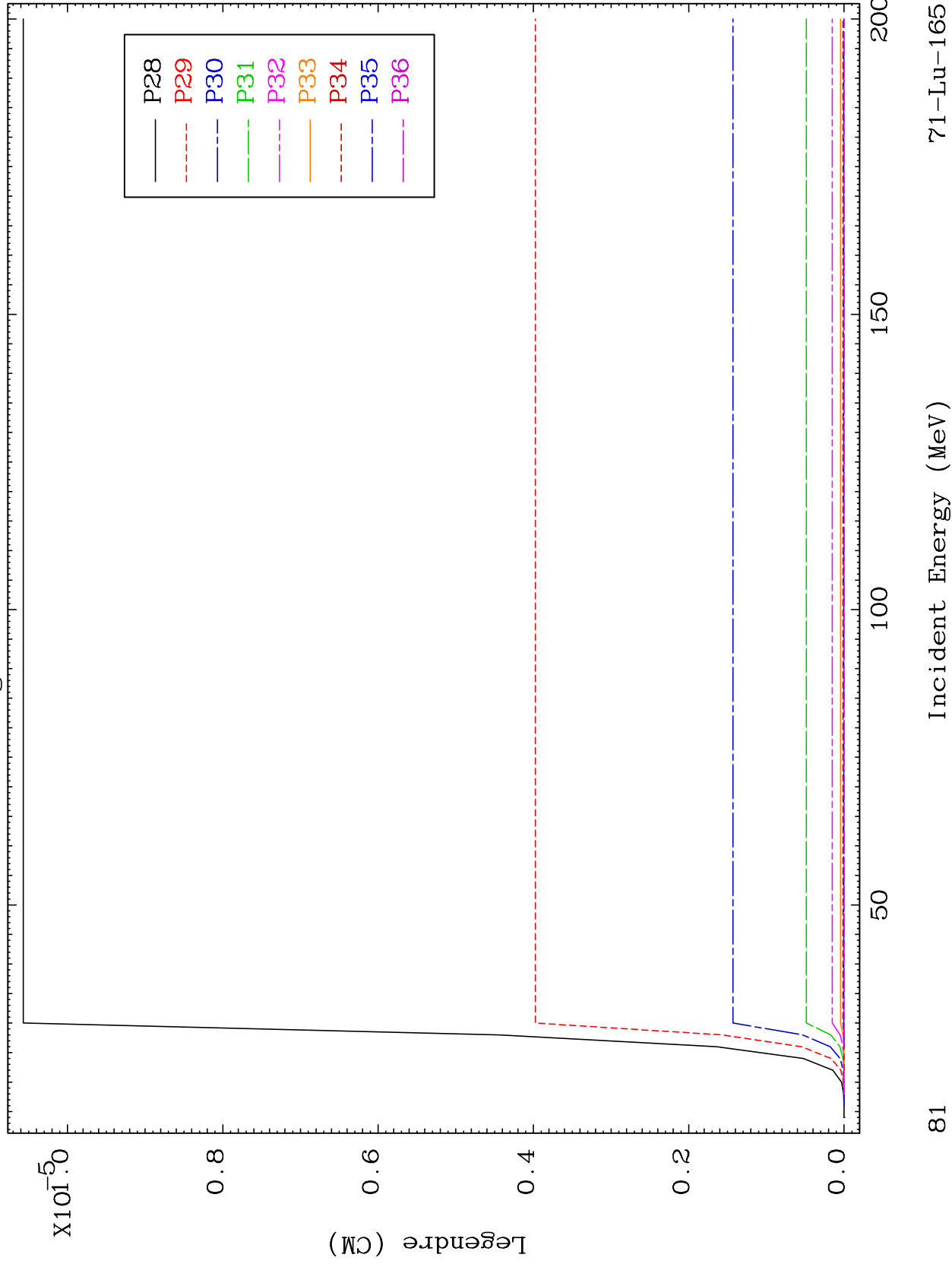
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

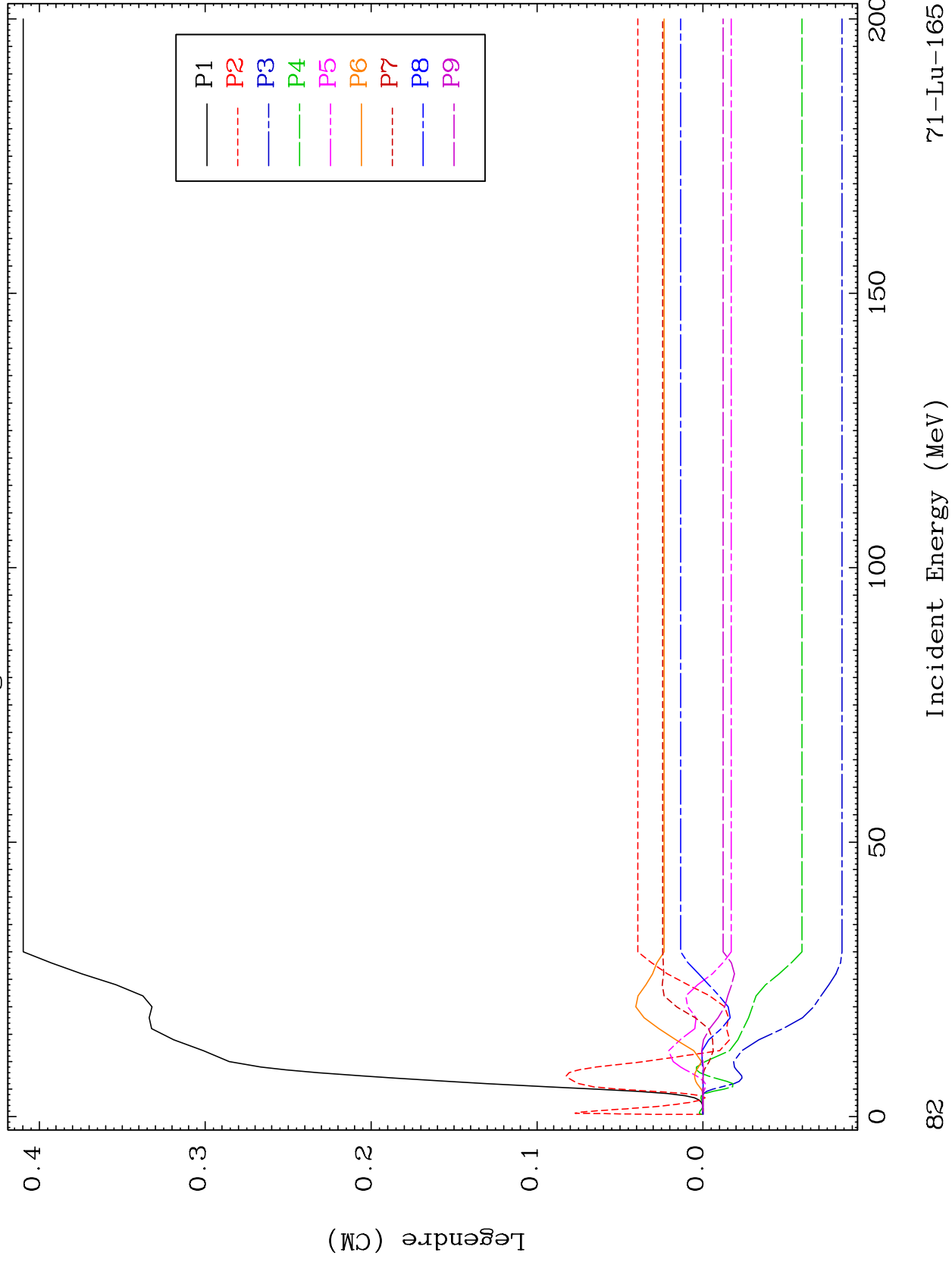
71-Lu-165



MAT 7095

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

71-Lu-165



71-Lu-165

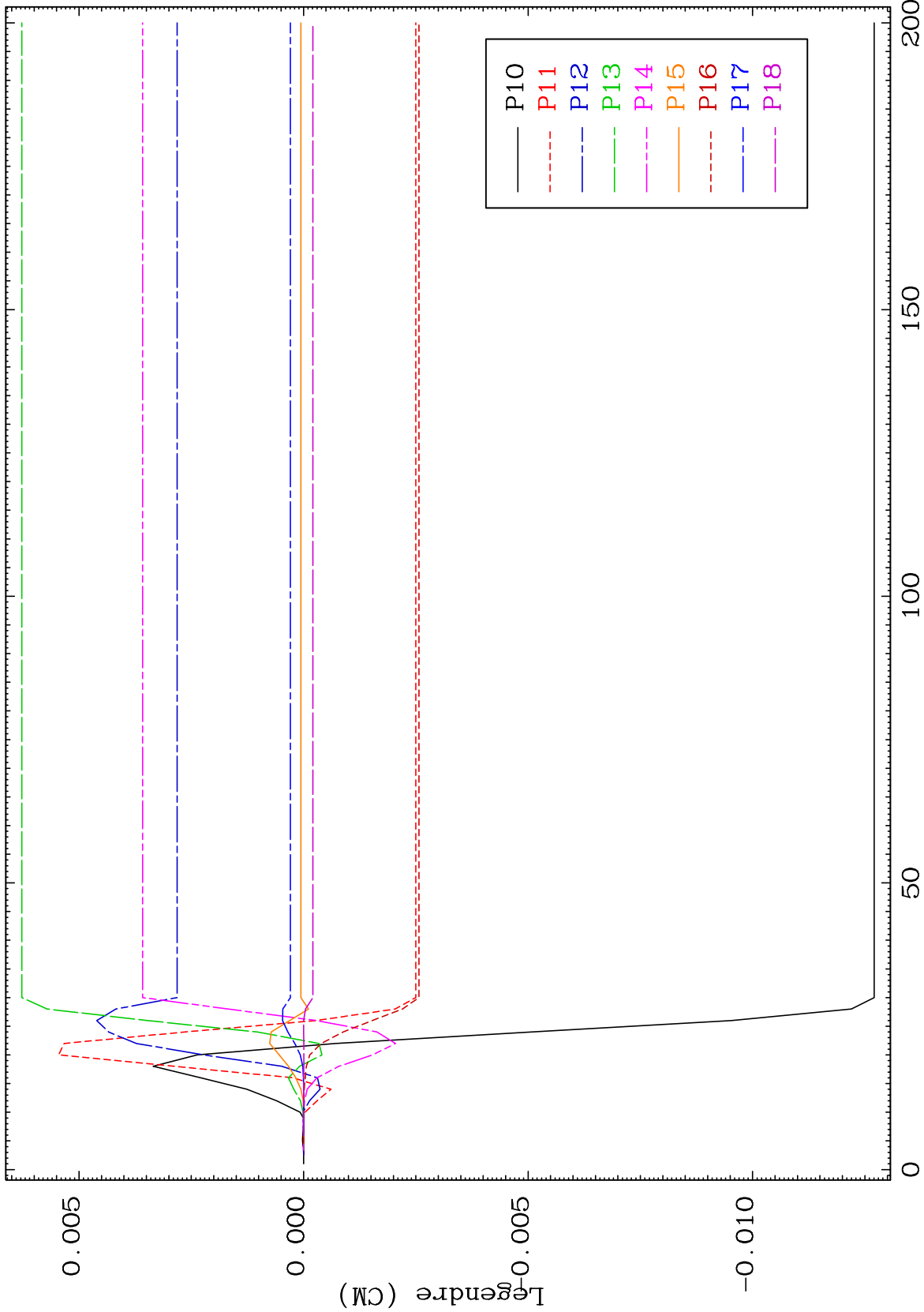
Incident Energy (MeV)

82

MAT 7095

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

71-Lu-165



83

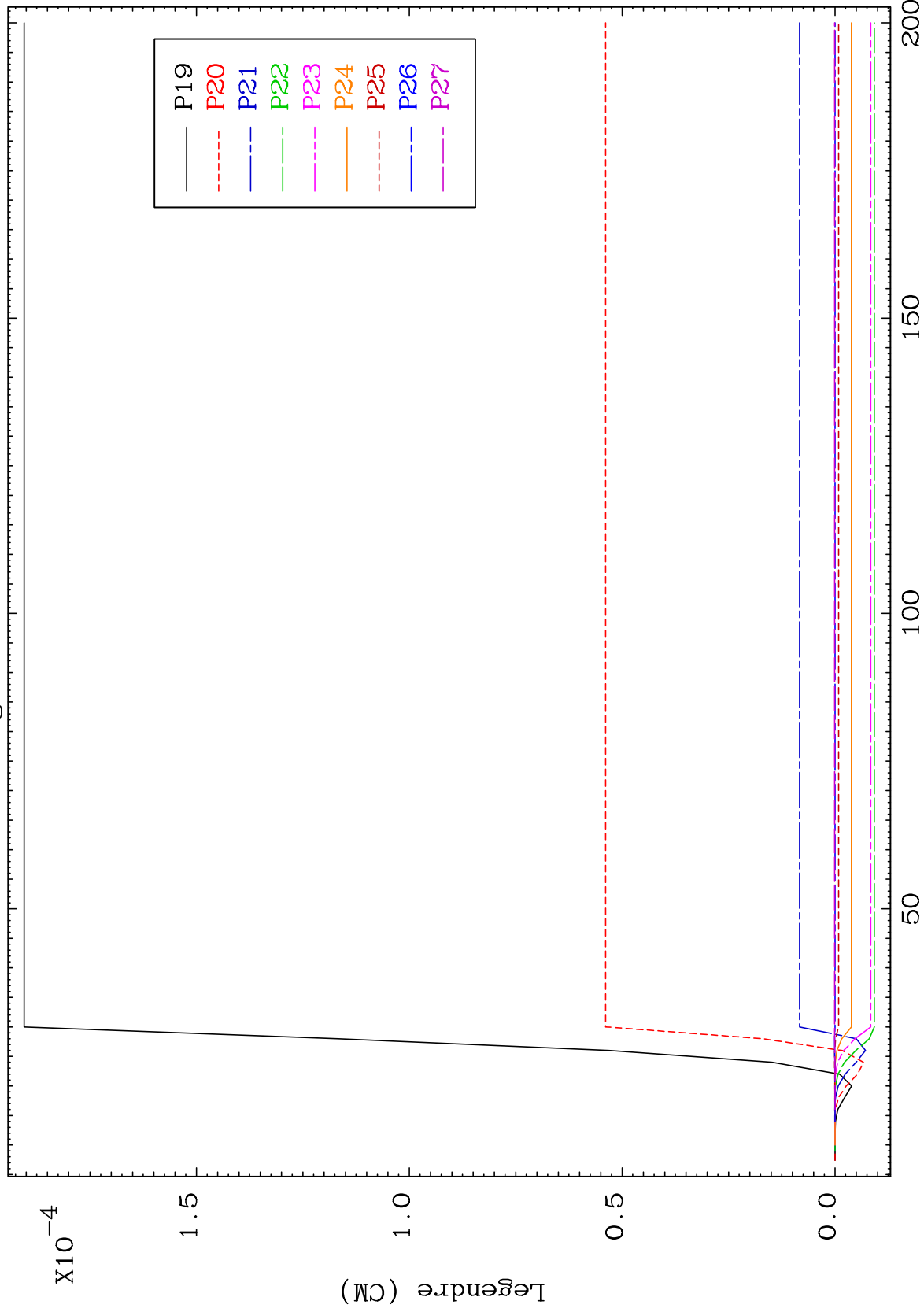
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

71-Lu-165



84

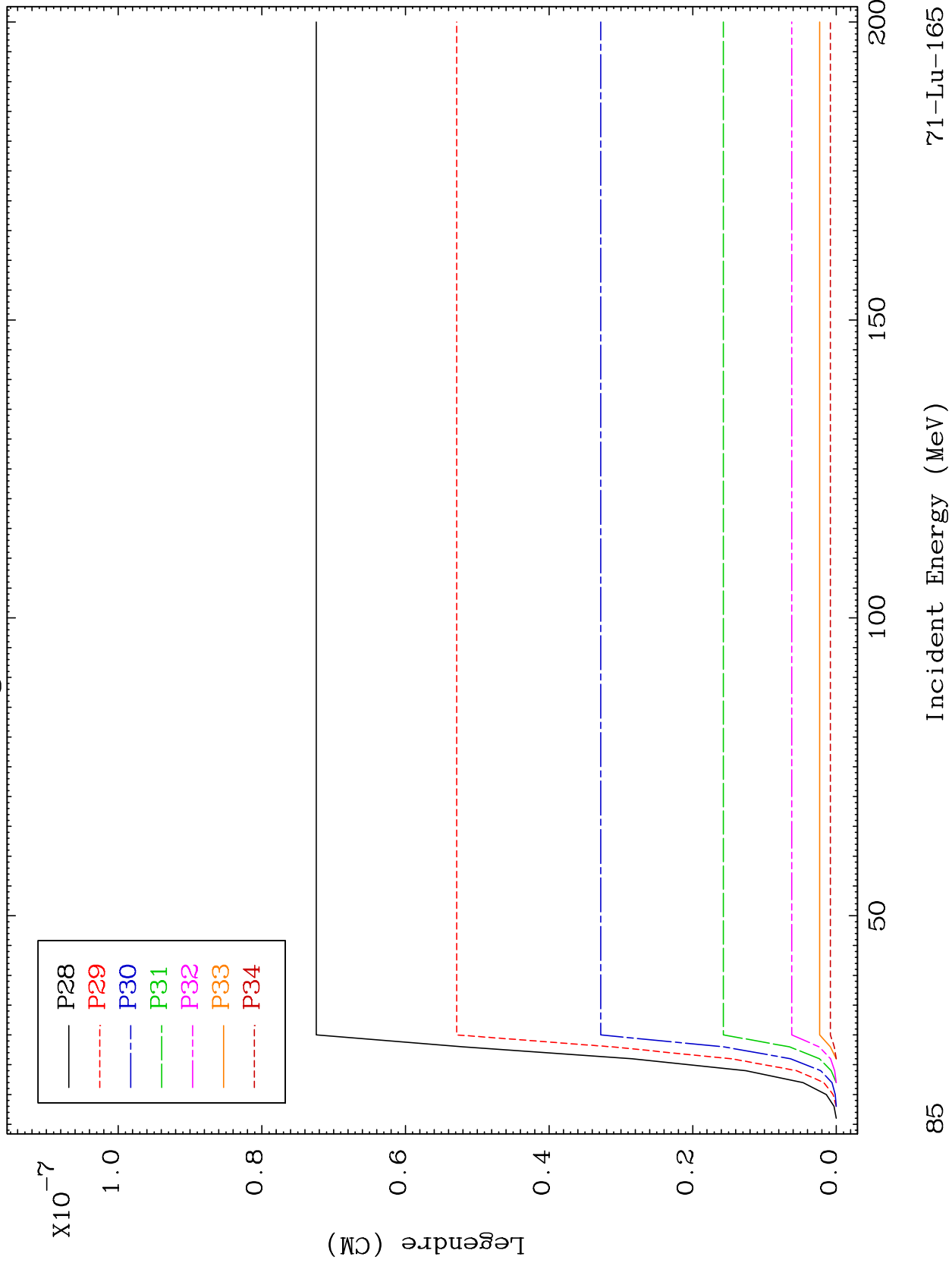
Incident Energy (MeV)

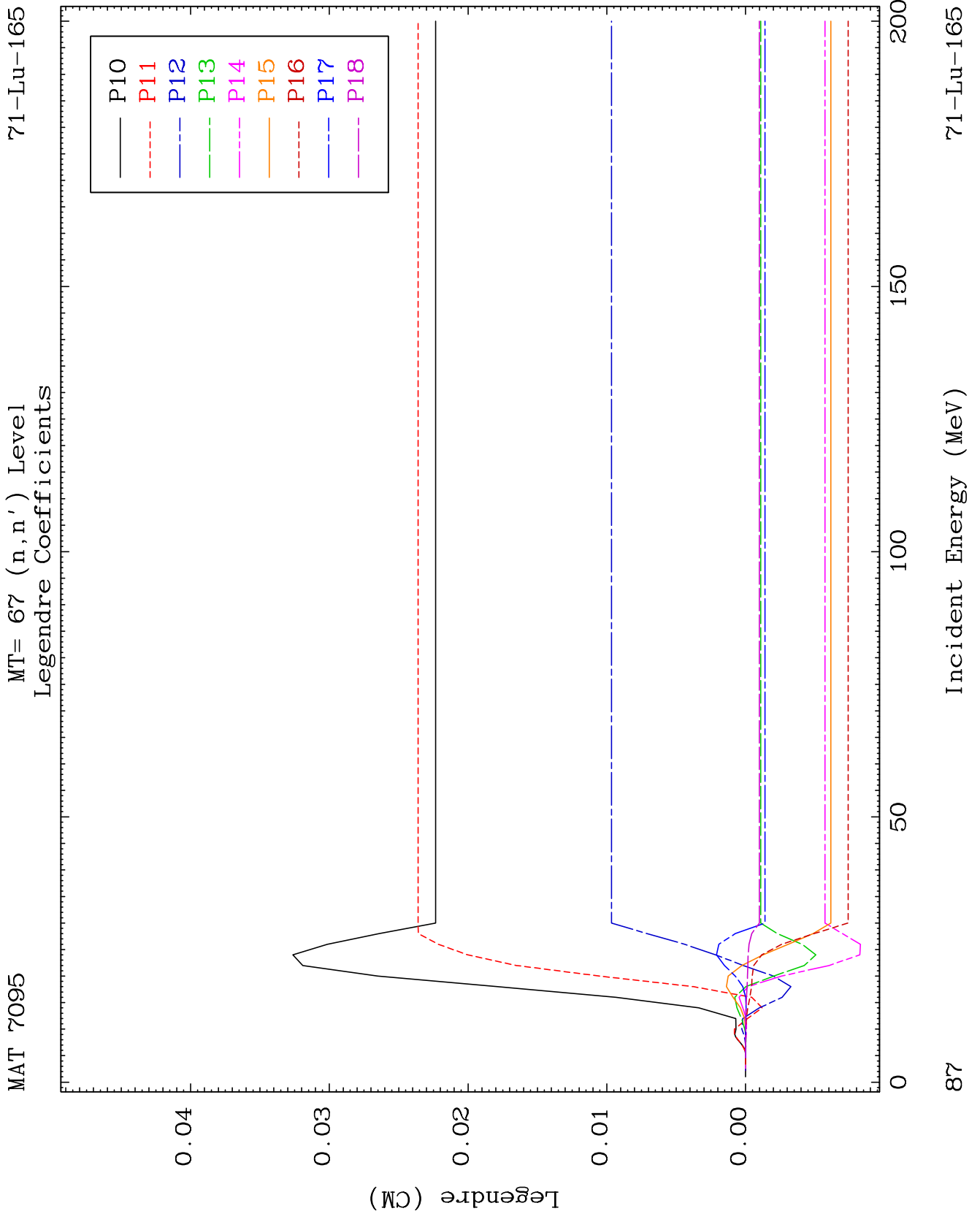
71-Lu-165

MAT 7095

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

71-Lu-165

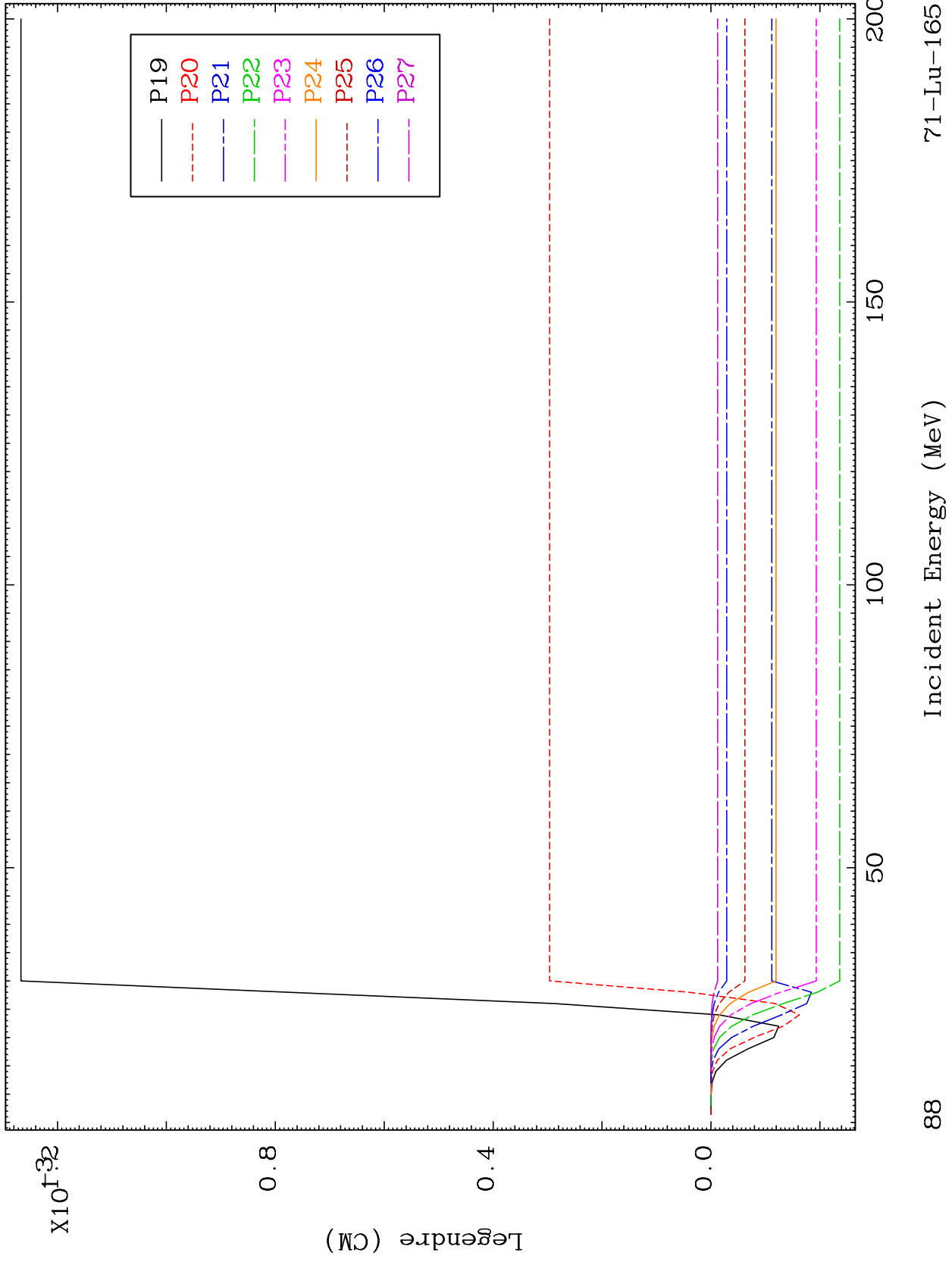




MAT 7095

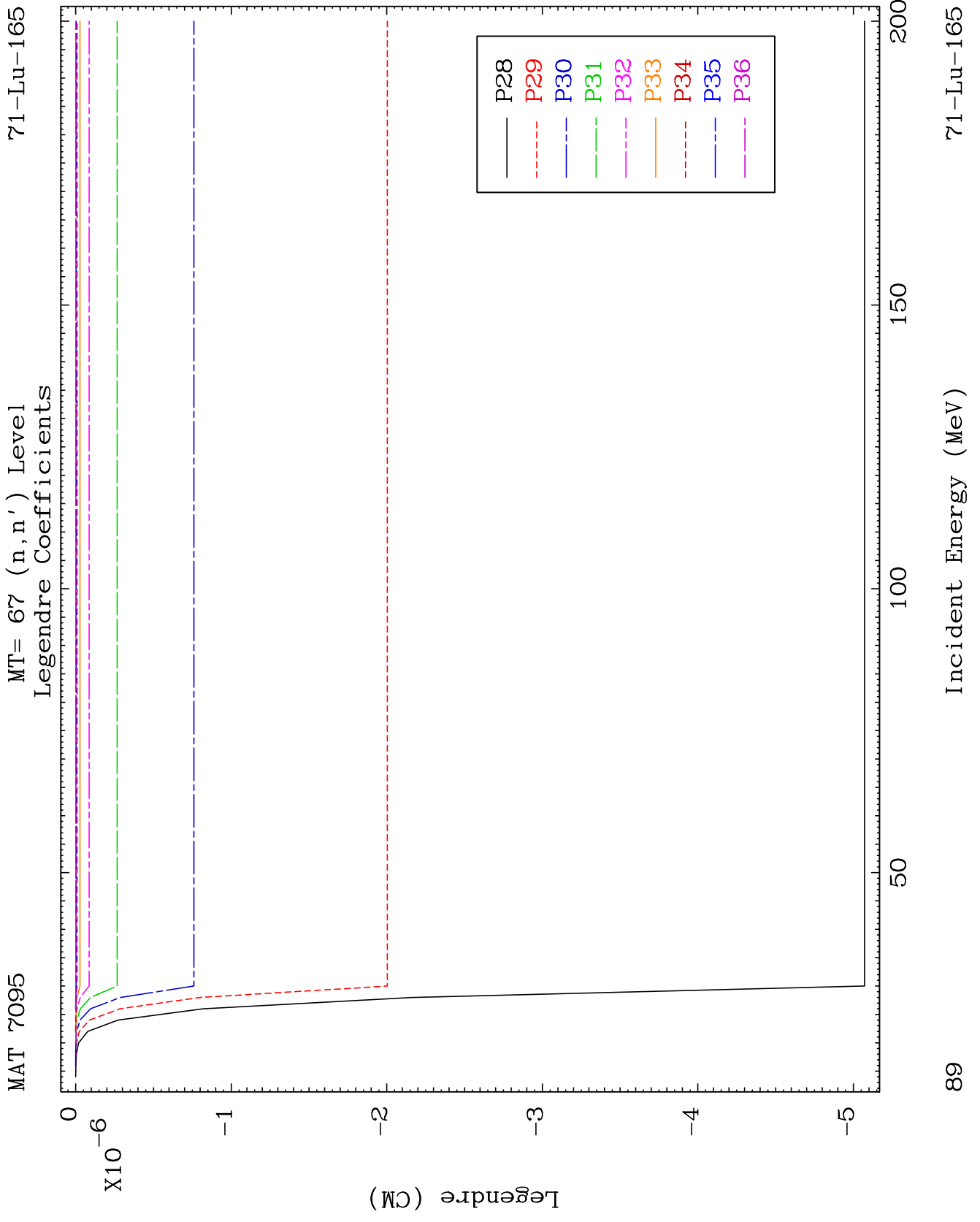
MT= 67 (n,n') Level
Legendre Coefficients

71-Lu-165



88

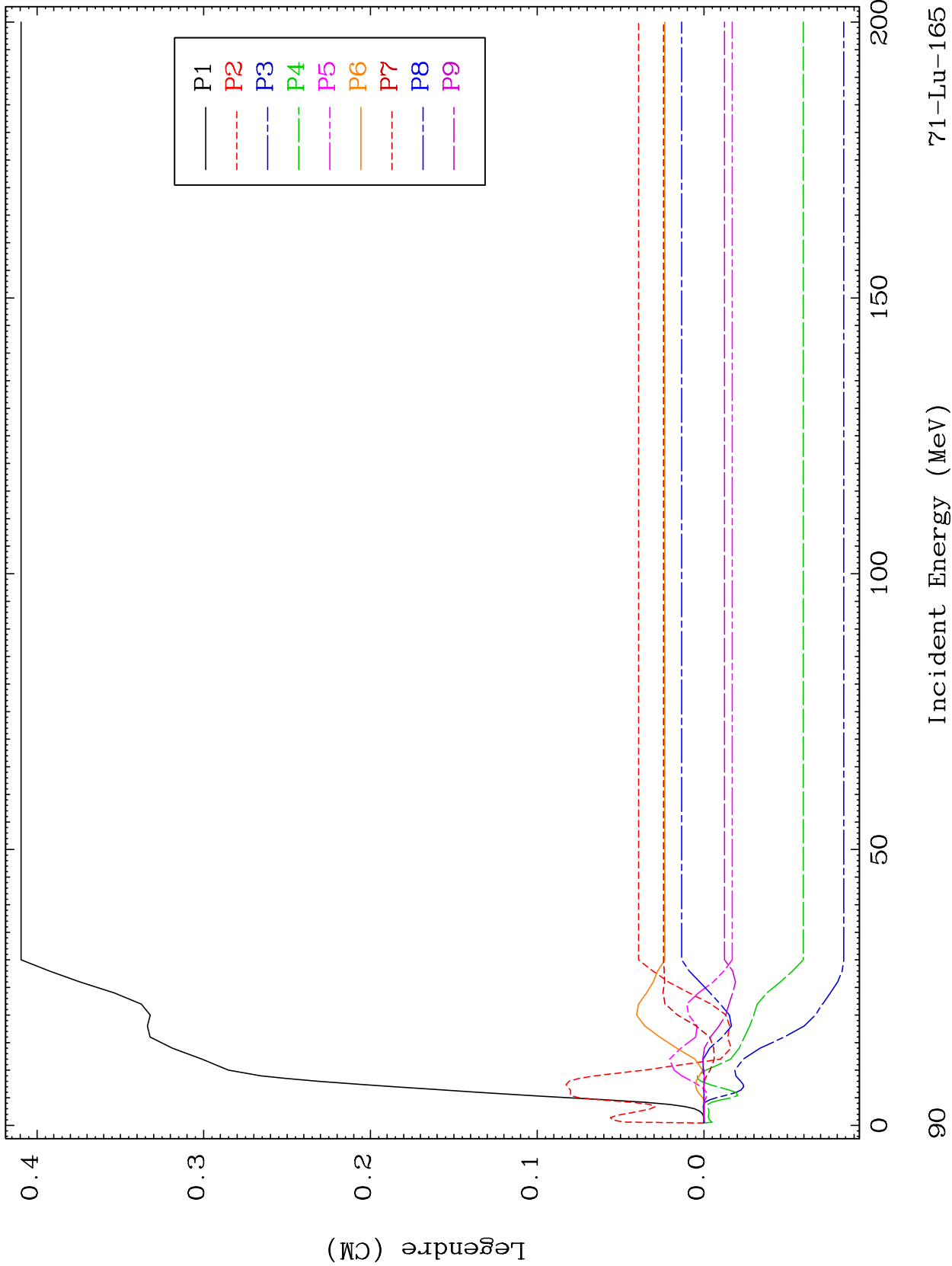
71-Lu-165



MAT 7095

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

71-Lu-165



71-Lu-165

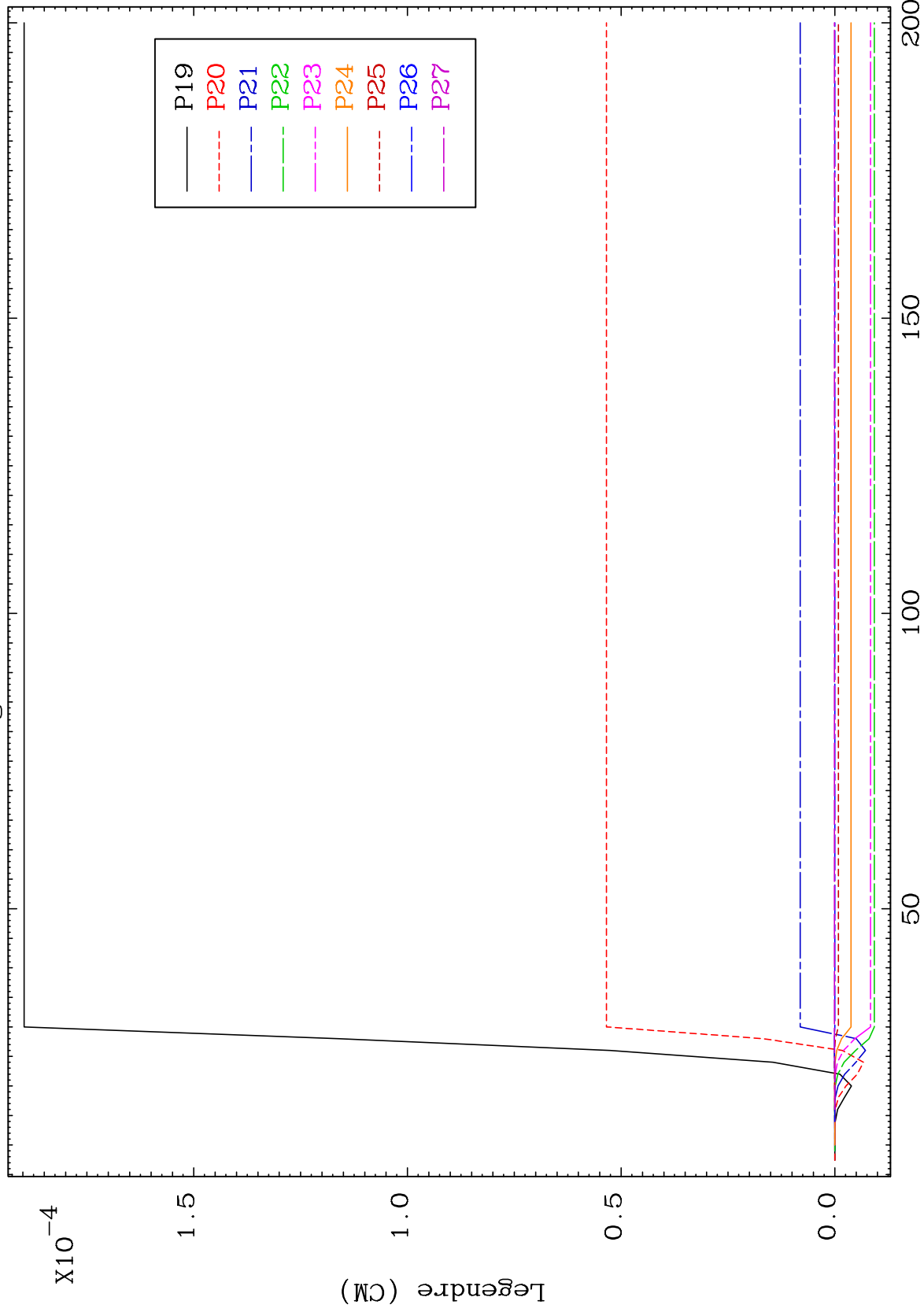
Incident Energy (MeV)

90

MAT 7095

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

71-Lu-165



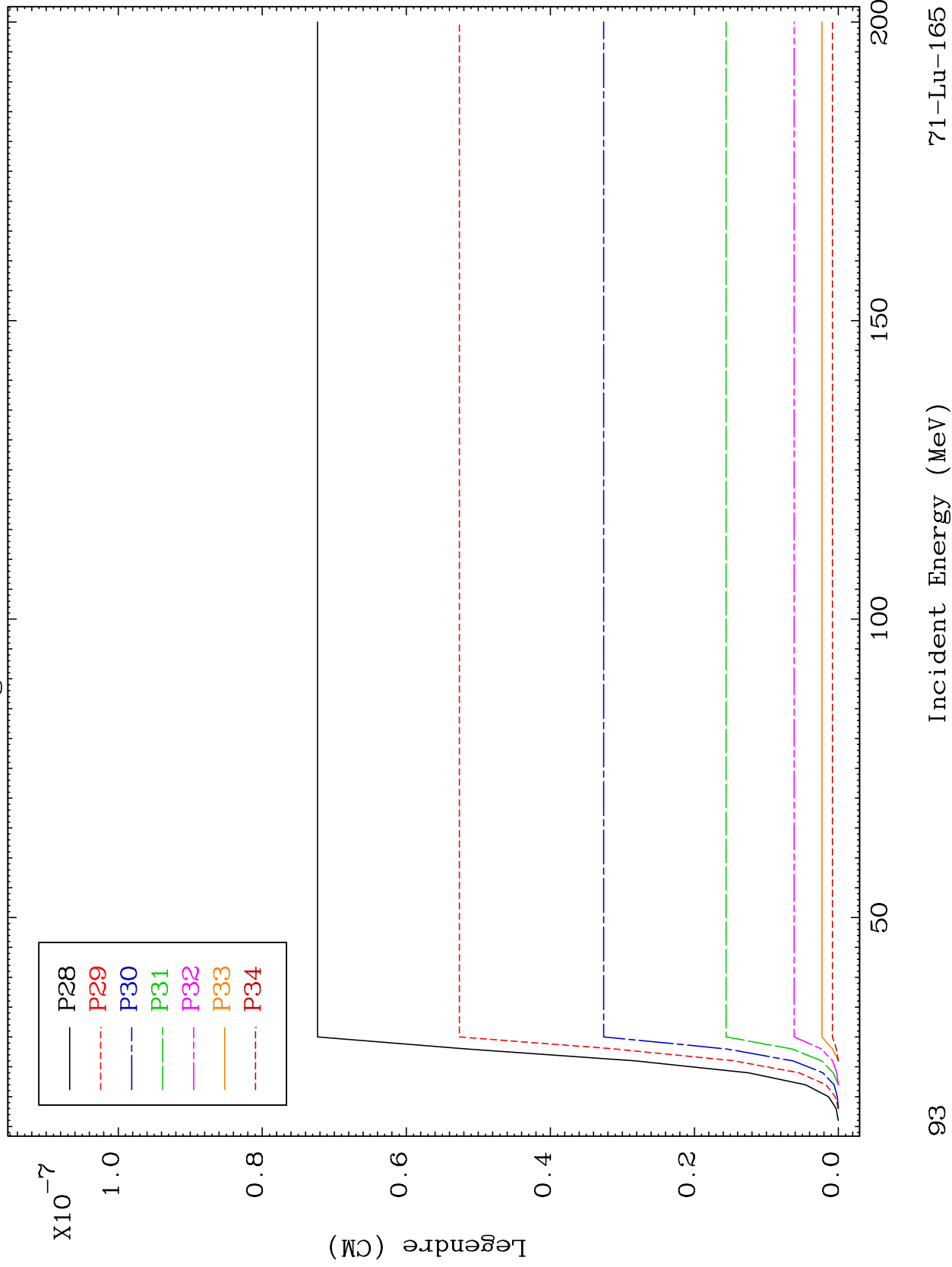
92

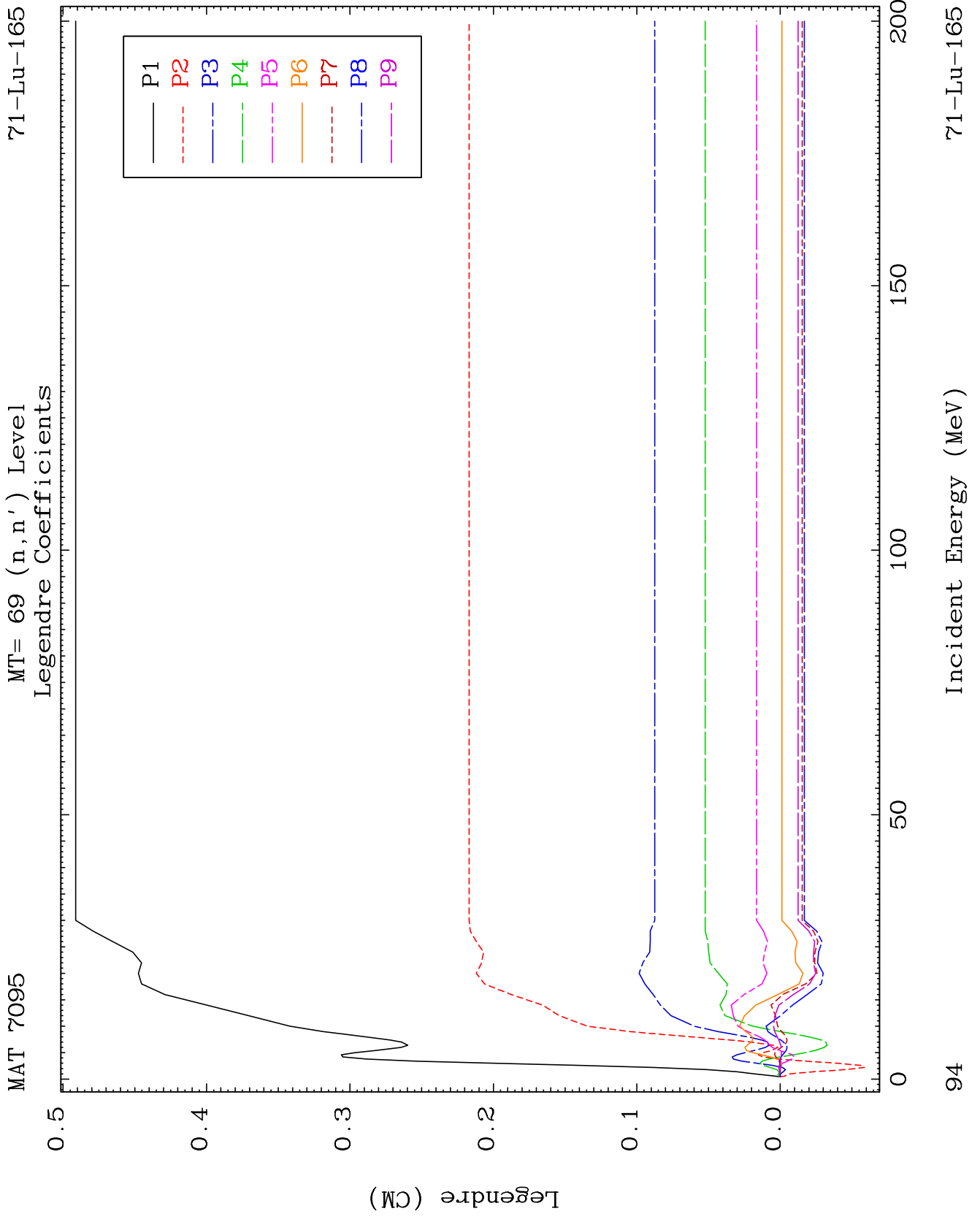
71-Lu-165

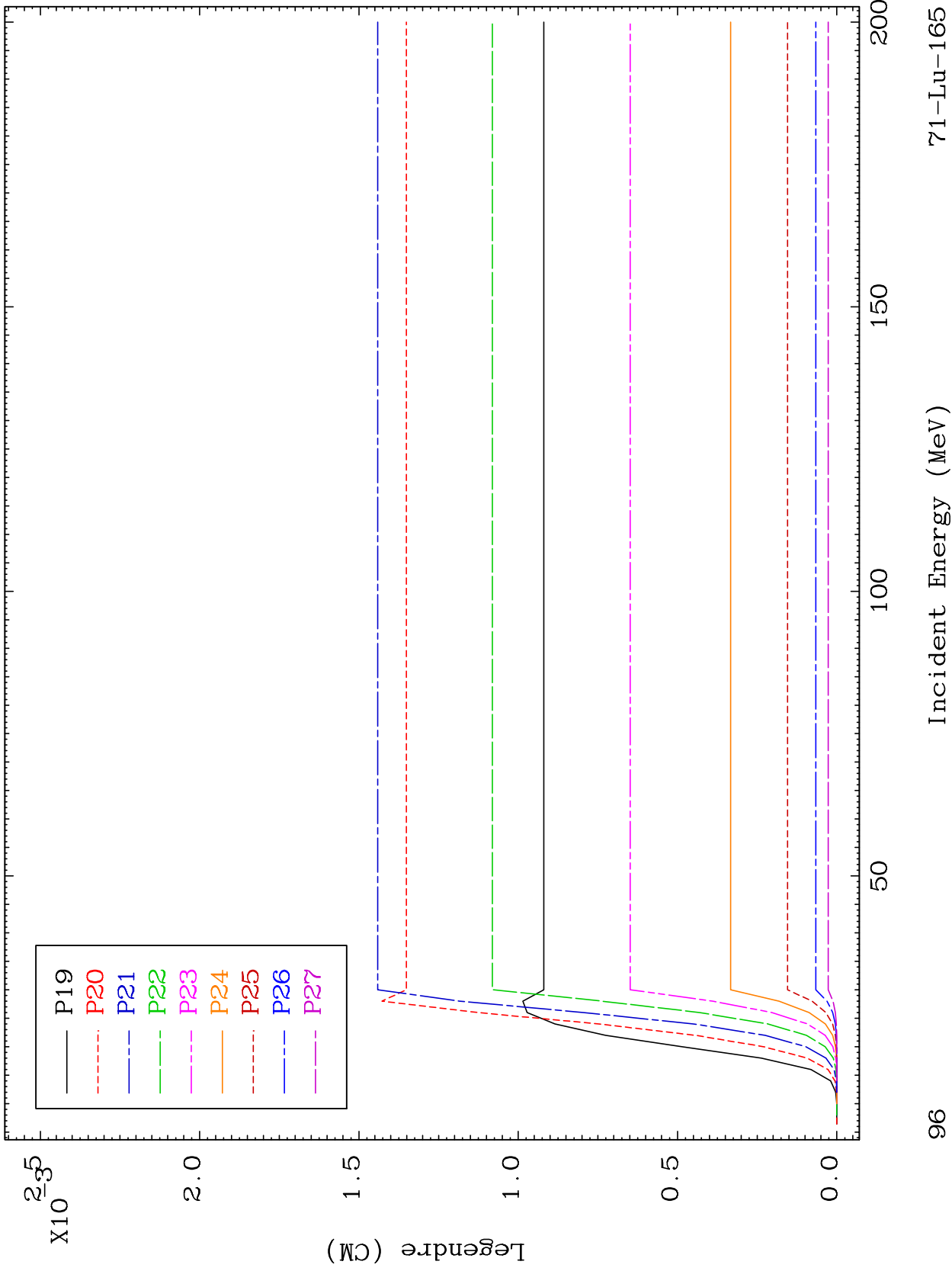
MAT 7095

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

71-Lu-165



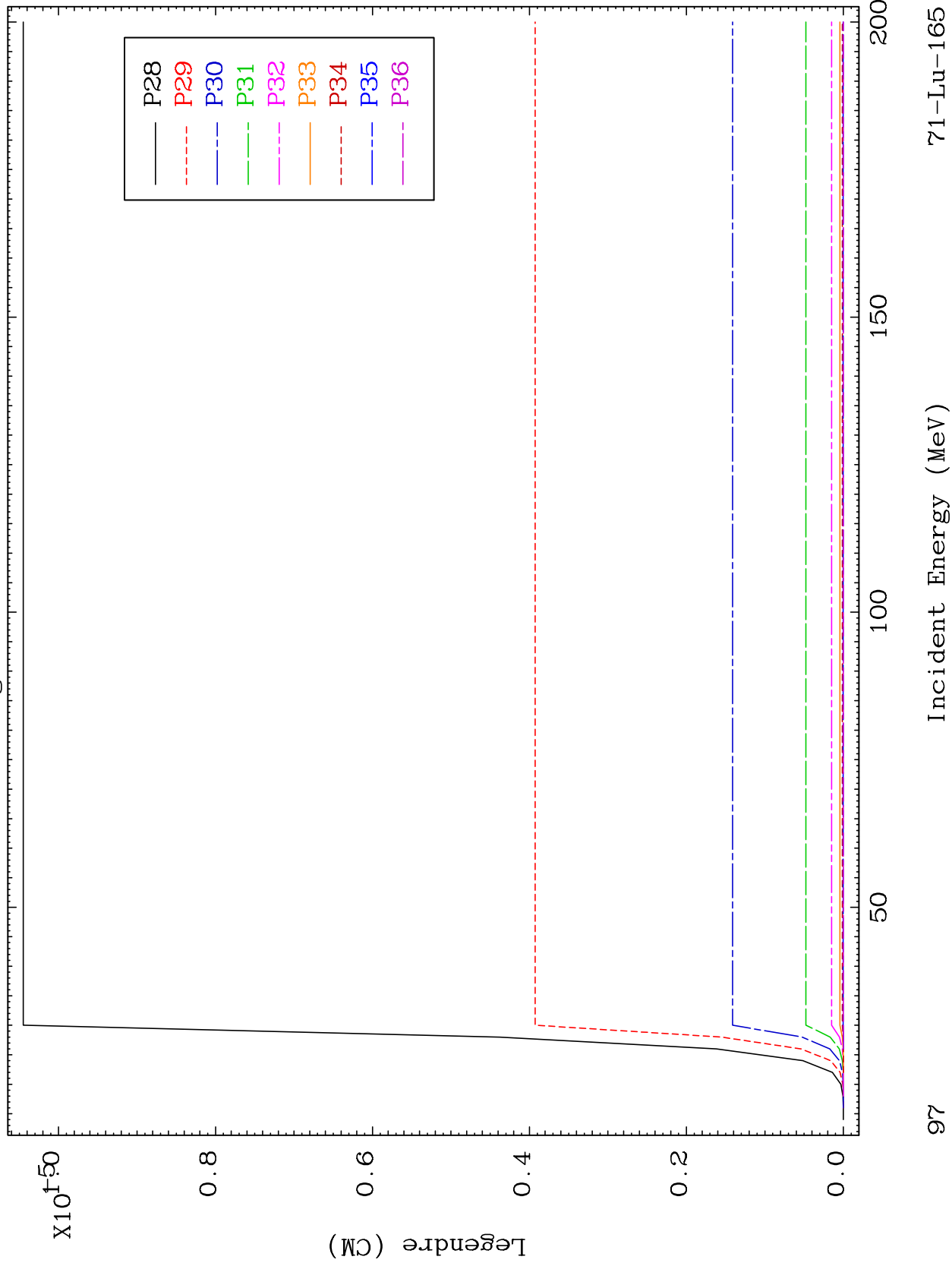


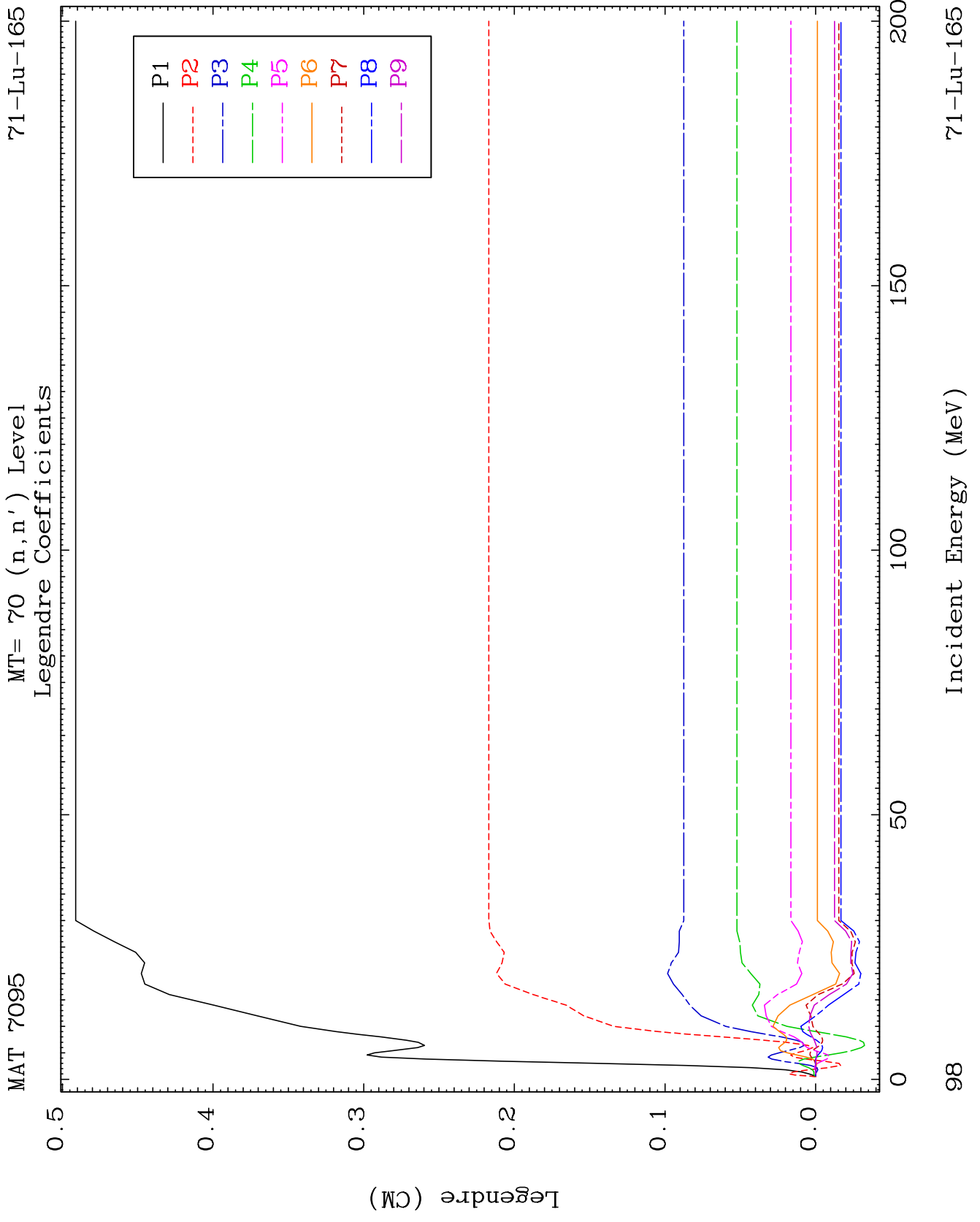


MAT 7095

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

71-Lu-165

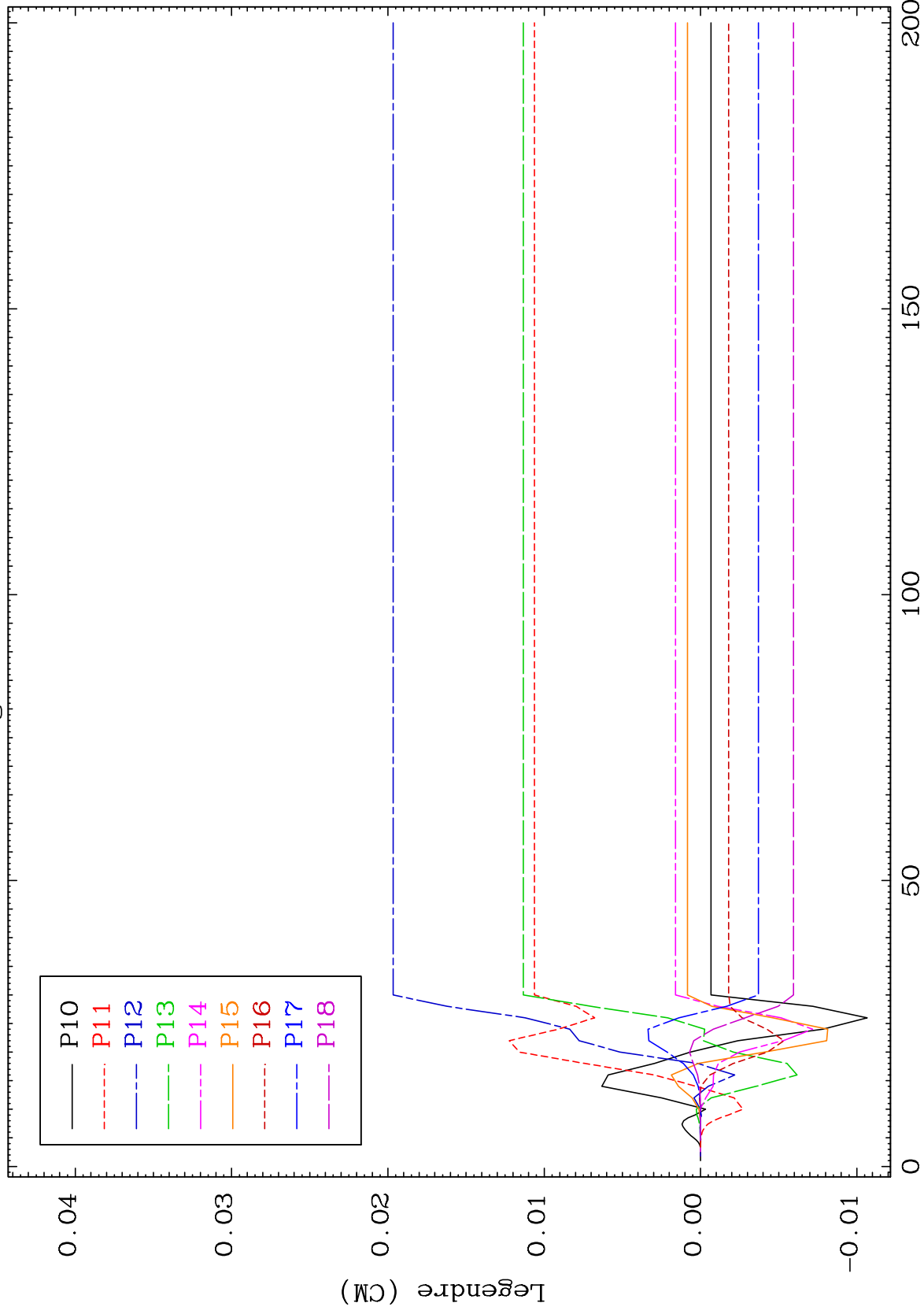




MAT 7095

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

71-Lu-165



99

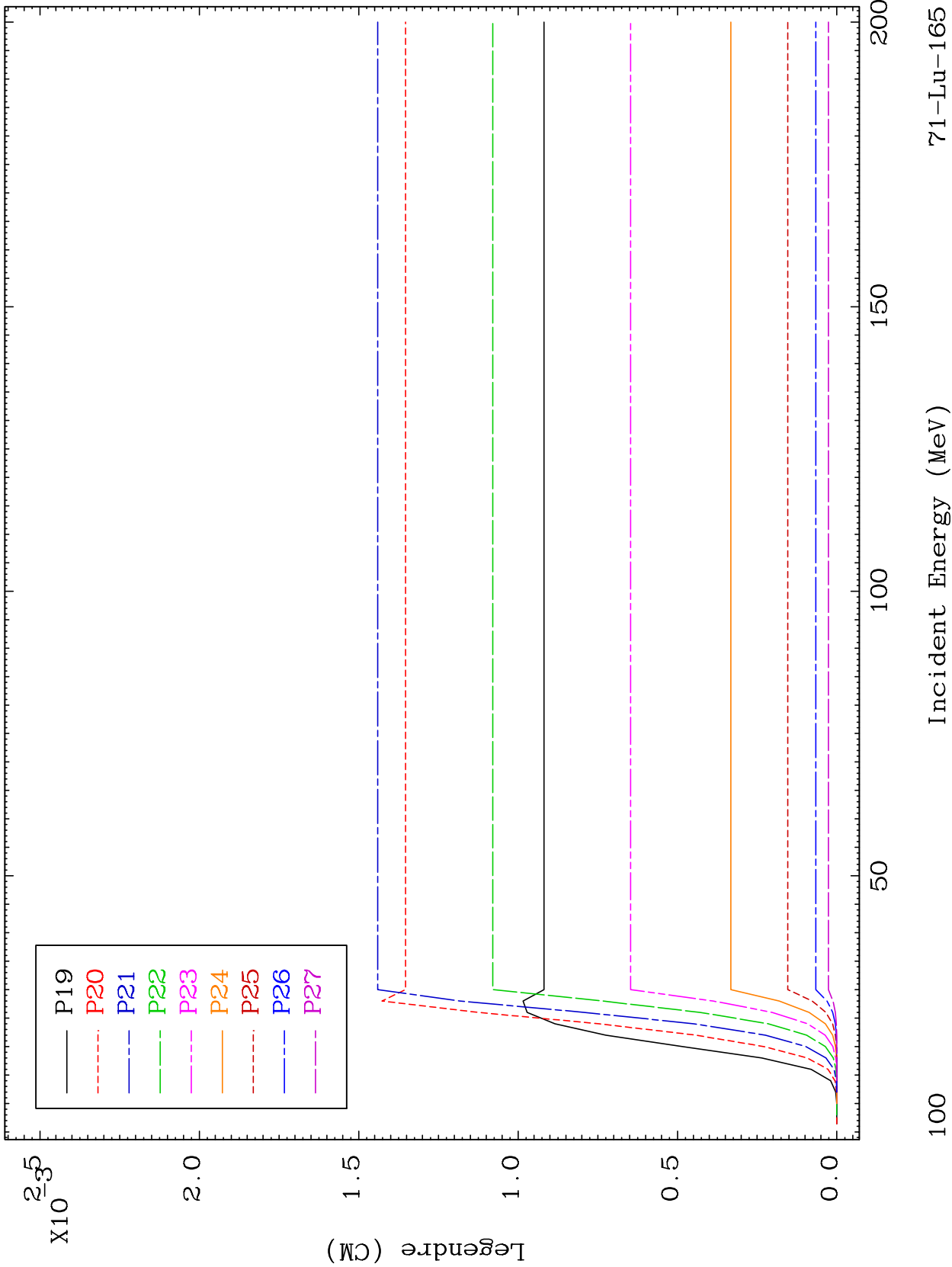
Incident Energy (MeV)

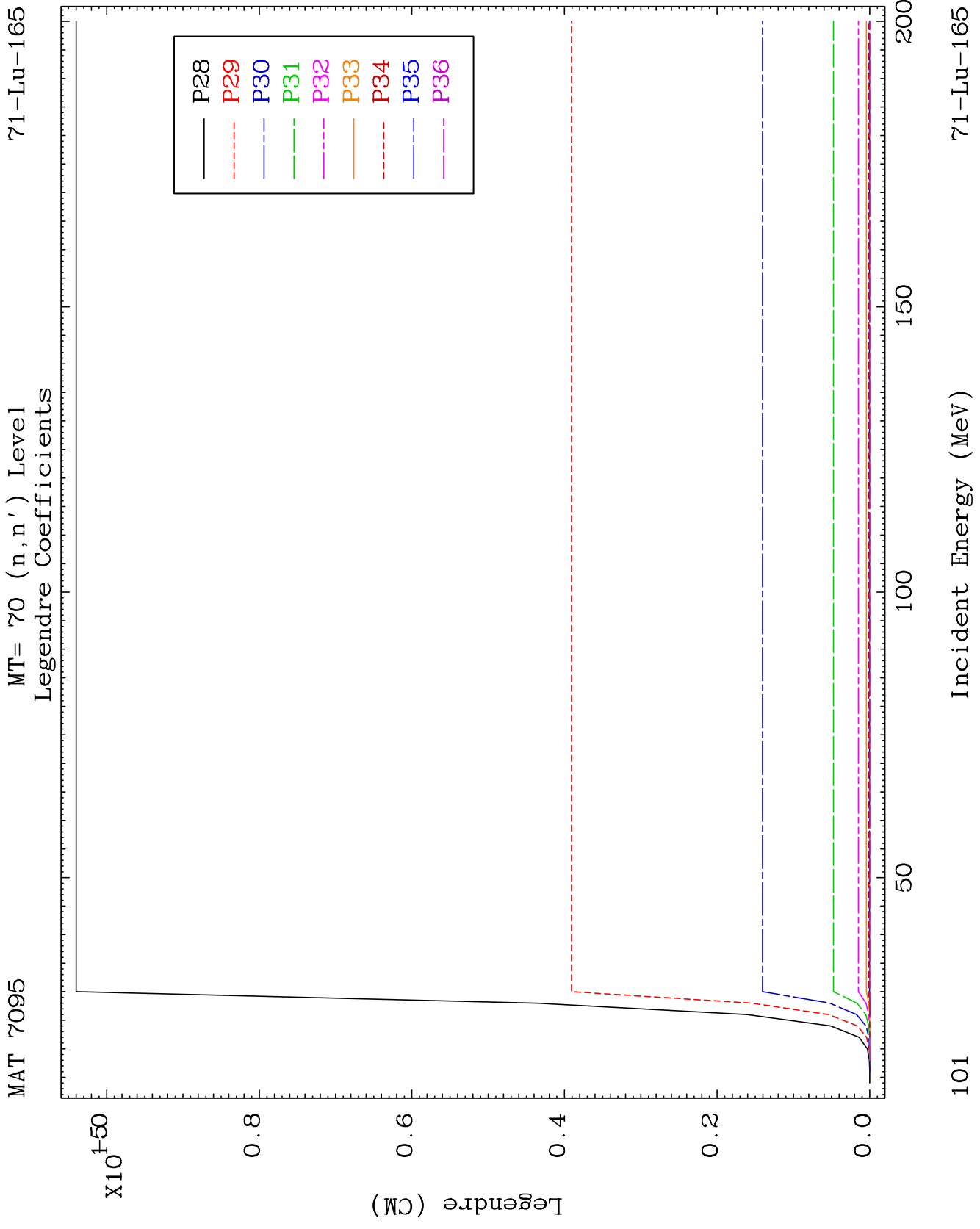
71-Lu-165

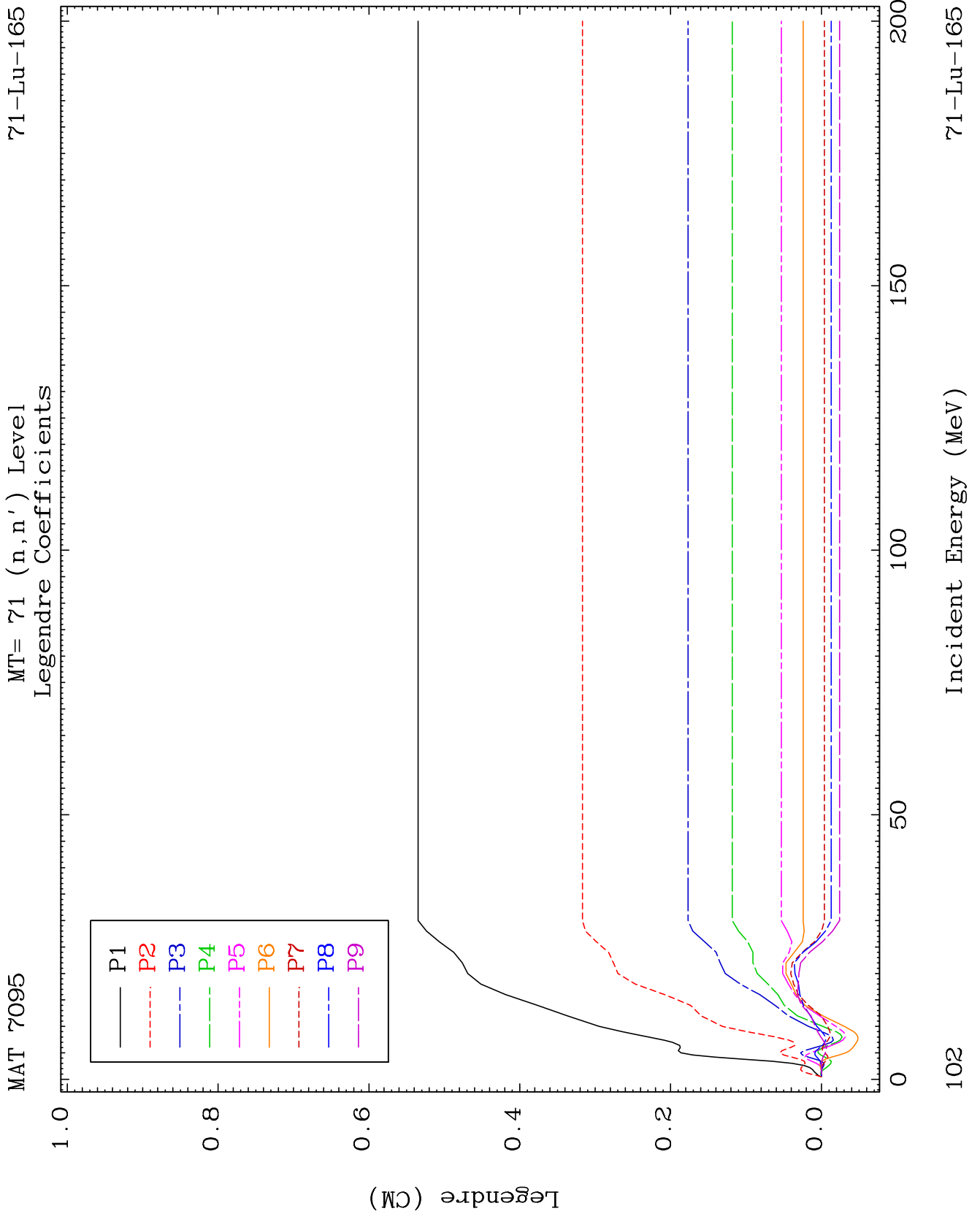
MAT 7095

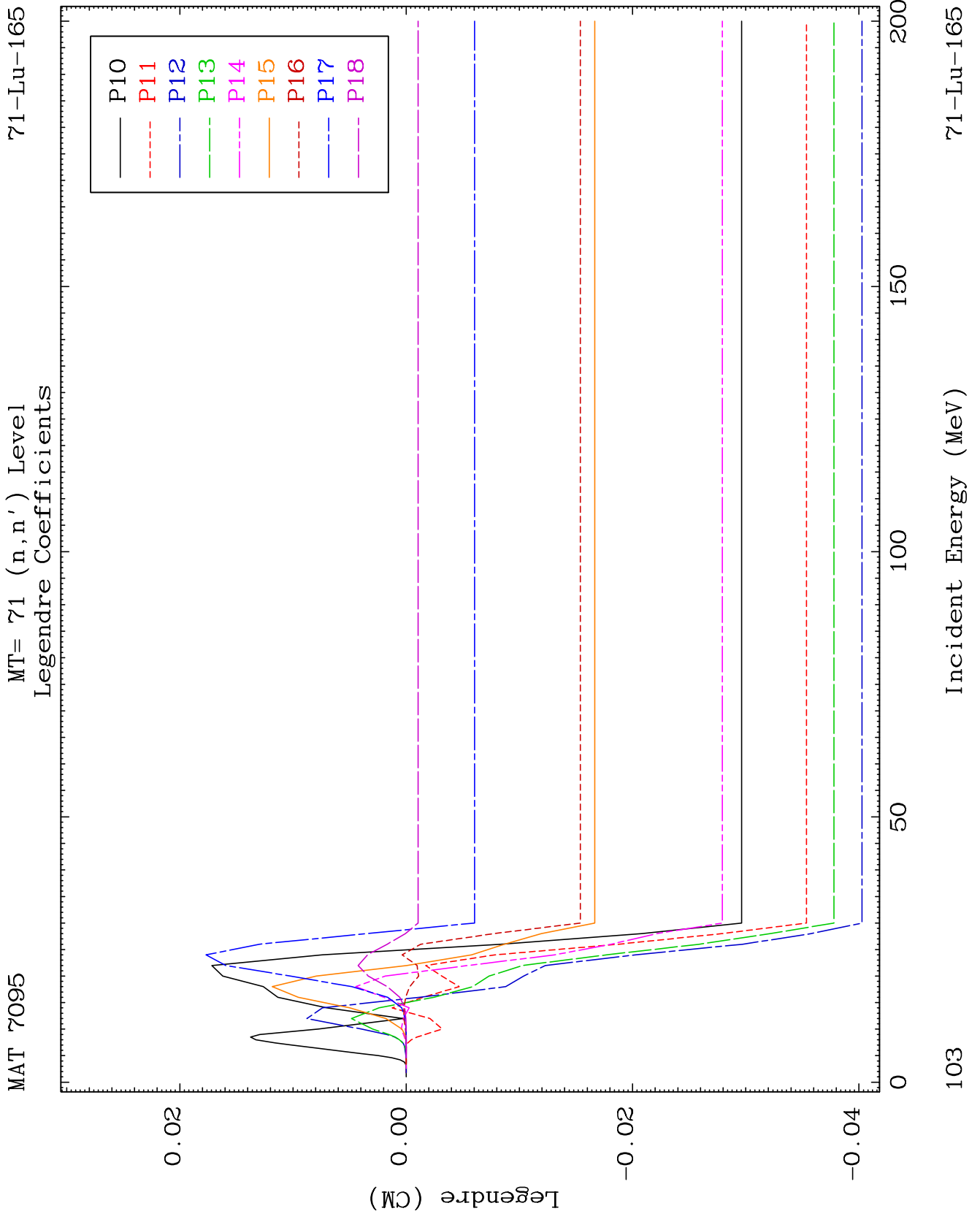
MT= 70 (n,n') Level
Legendre Coefficients

71-Lu-165





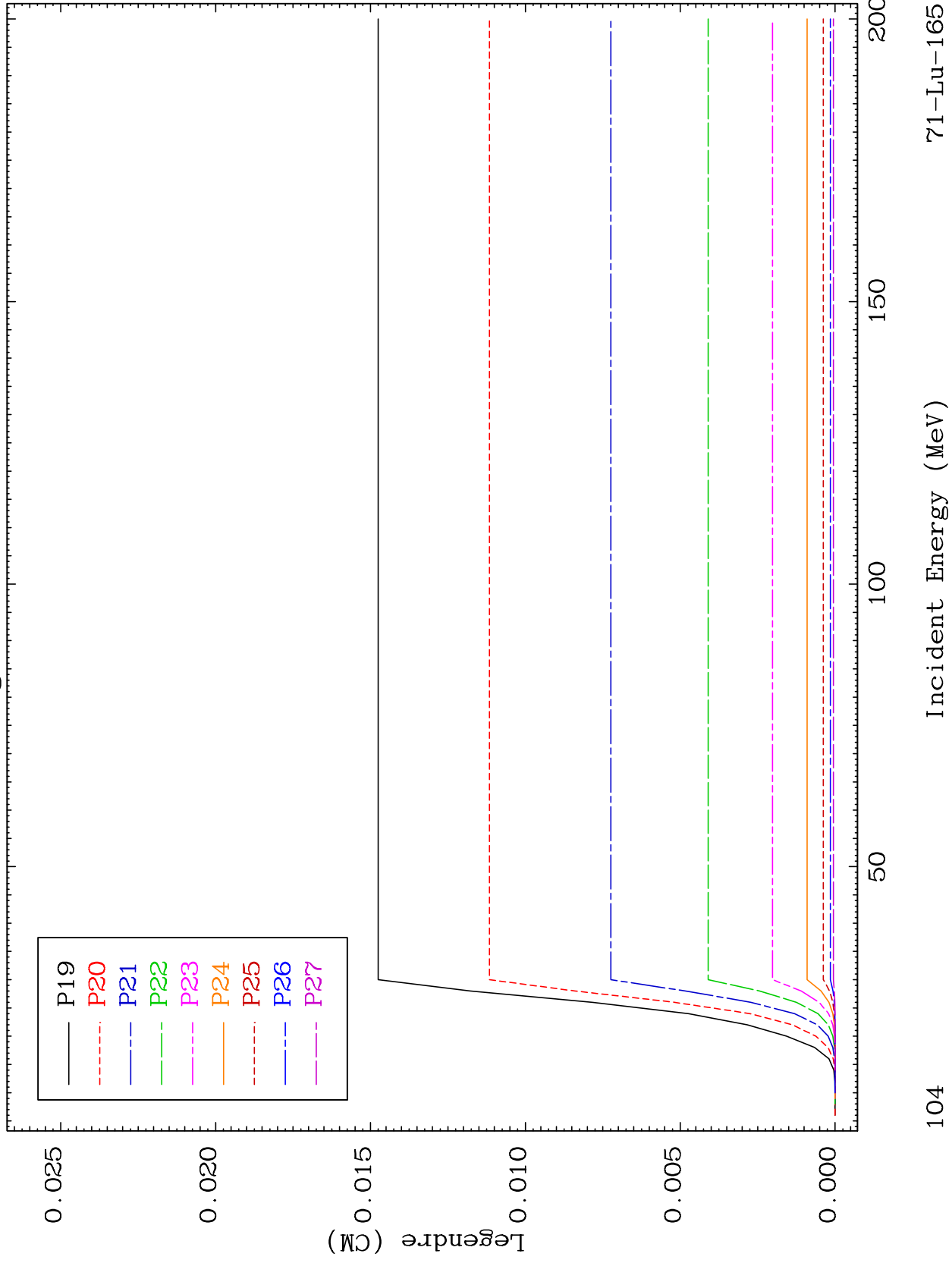




MAT 7095

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

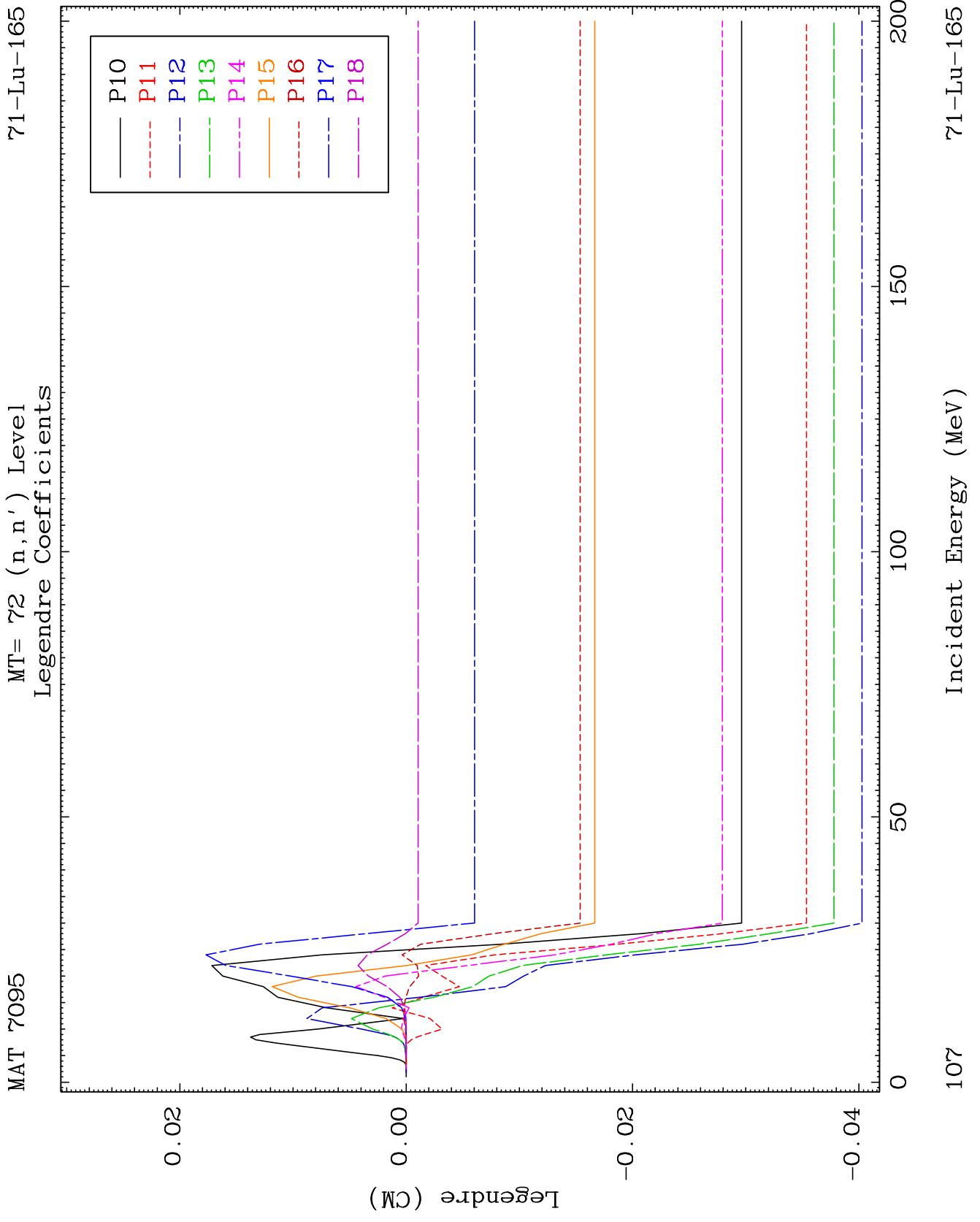
71-Lu-165



104

Incident Energy (MeV)

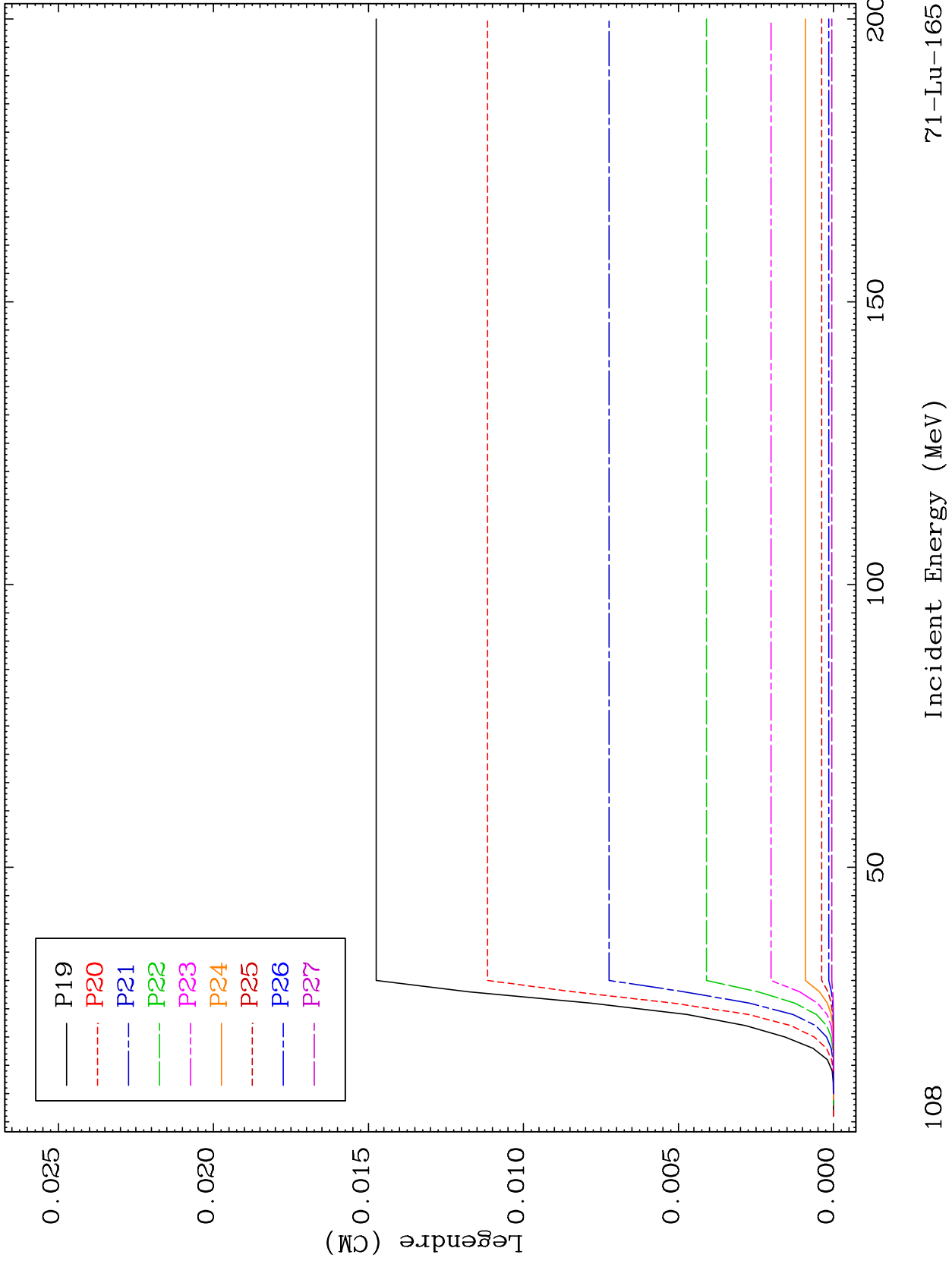
71-Lu-165



MAT 7095

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

71-Lu-165



108

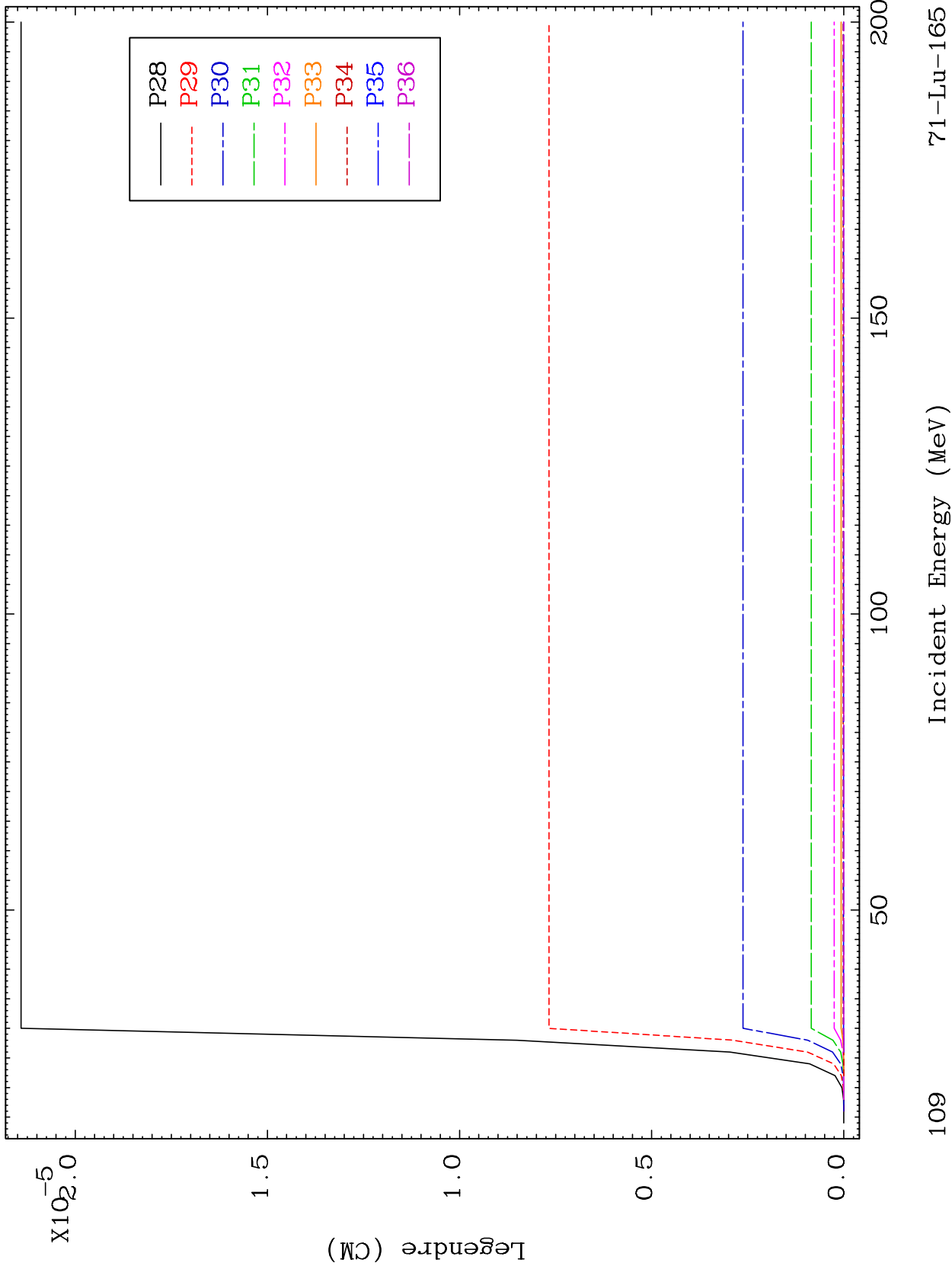
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

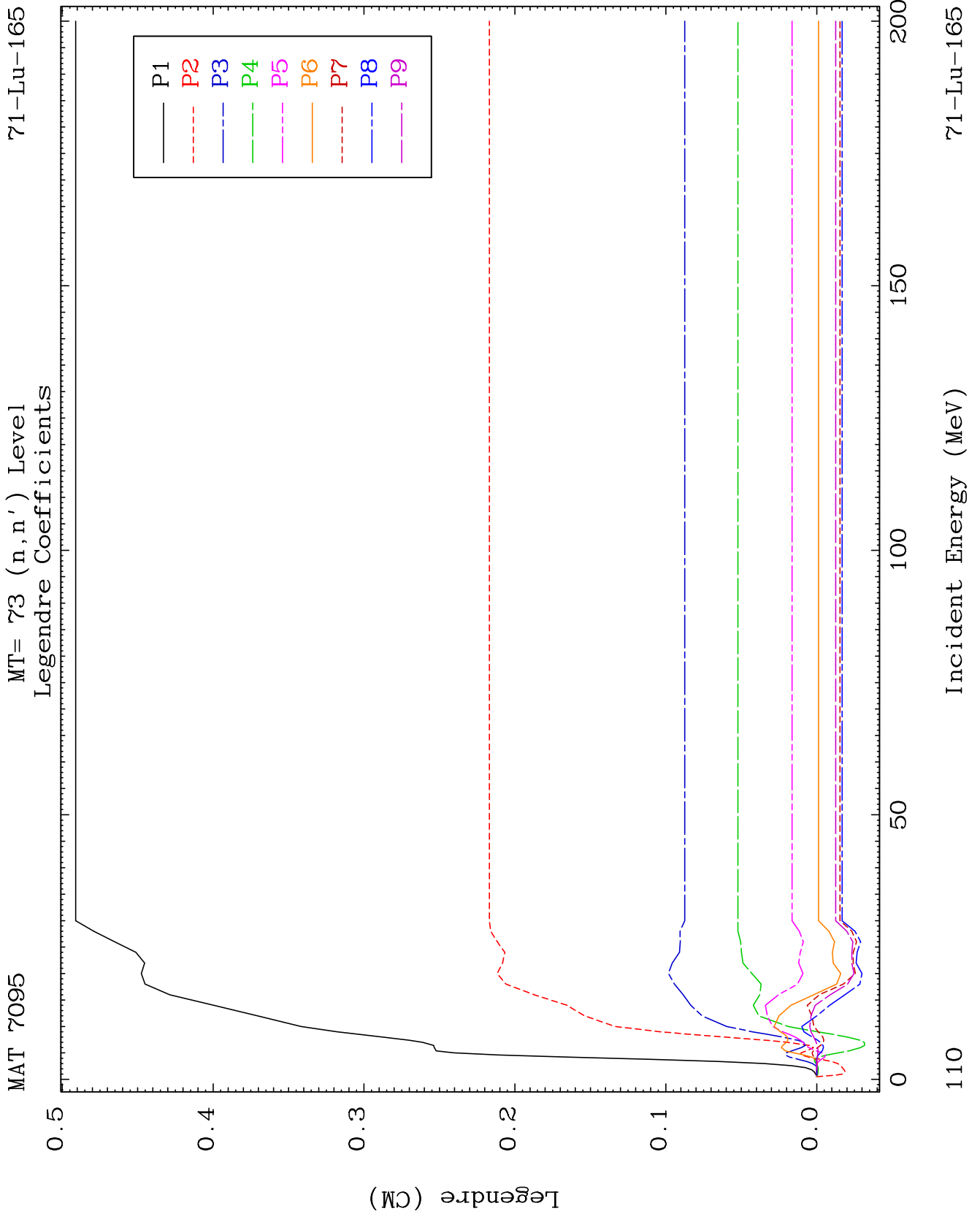
71-Lu-165



109

Incident Energy (MeV)

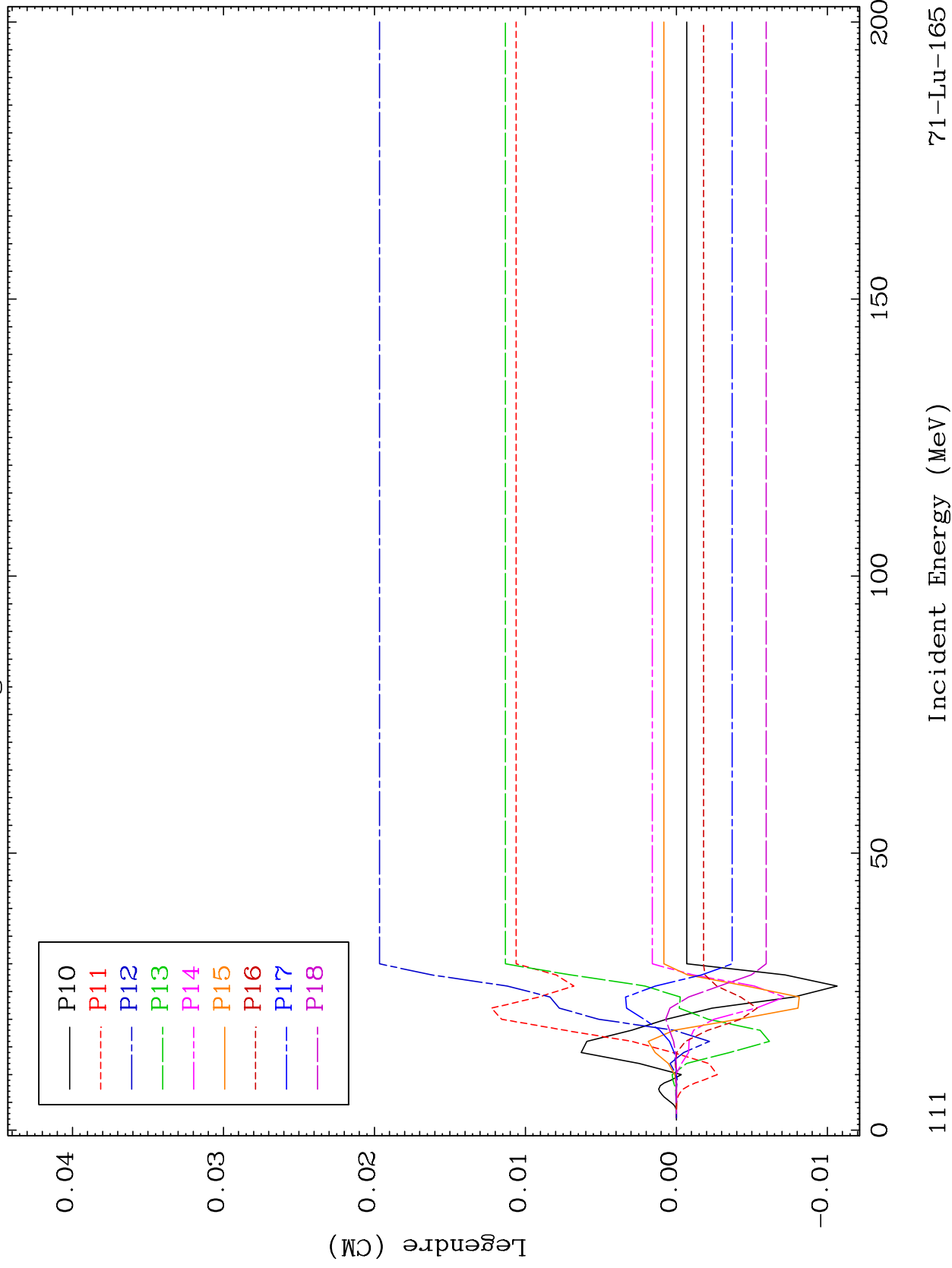
71-Lu-165



MAT 7095

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

71-Lu-165



111

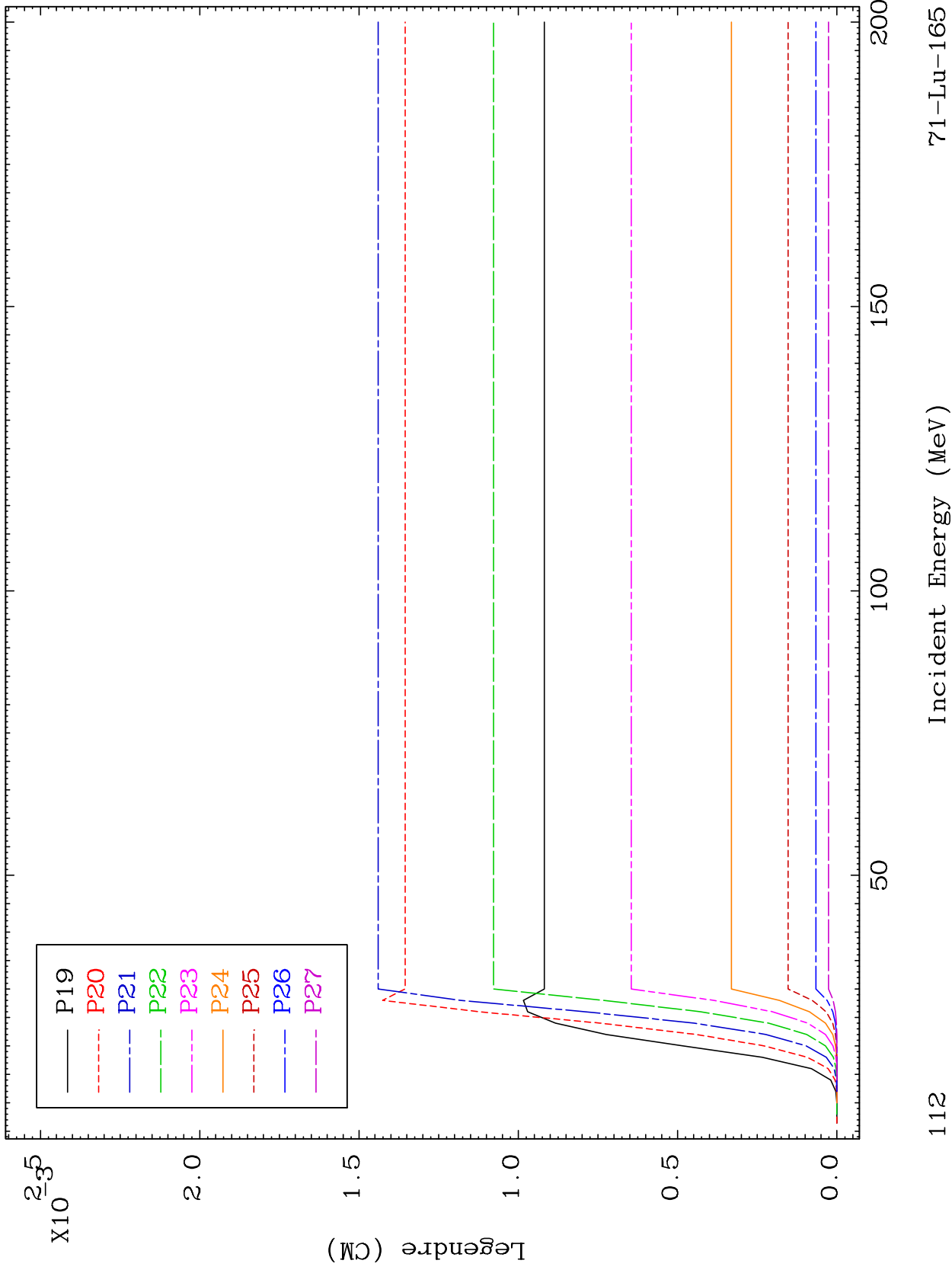
Incident Energy (MeV)

71-Lu-165

MAT 7095

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

71-Lu-165

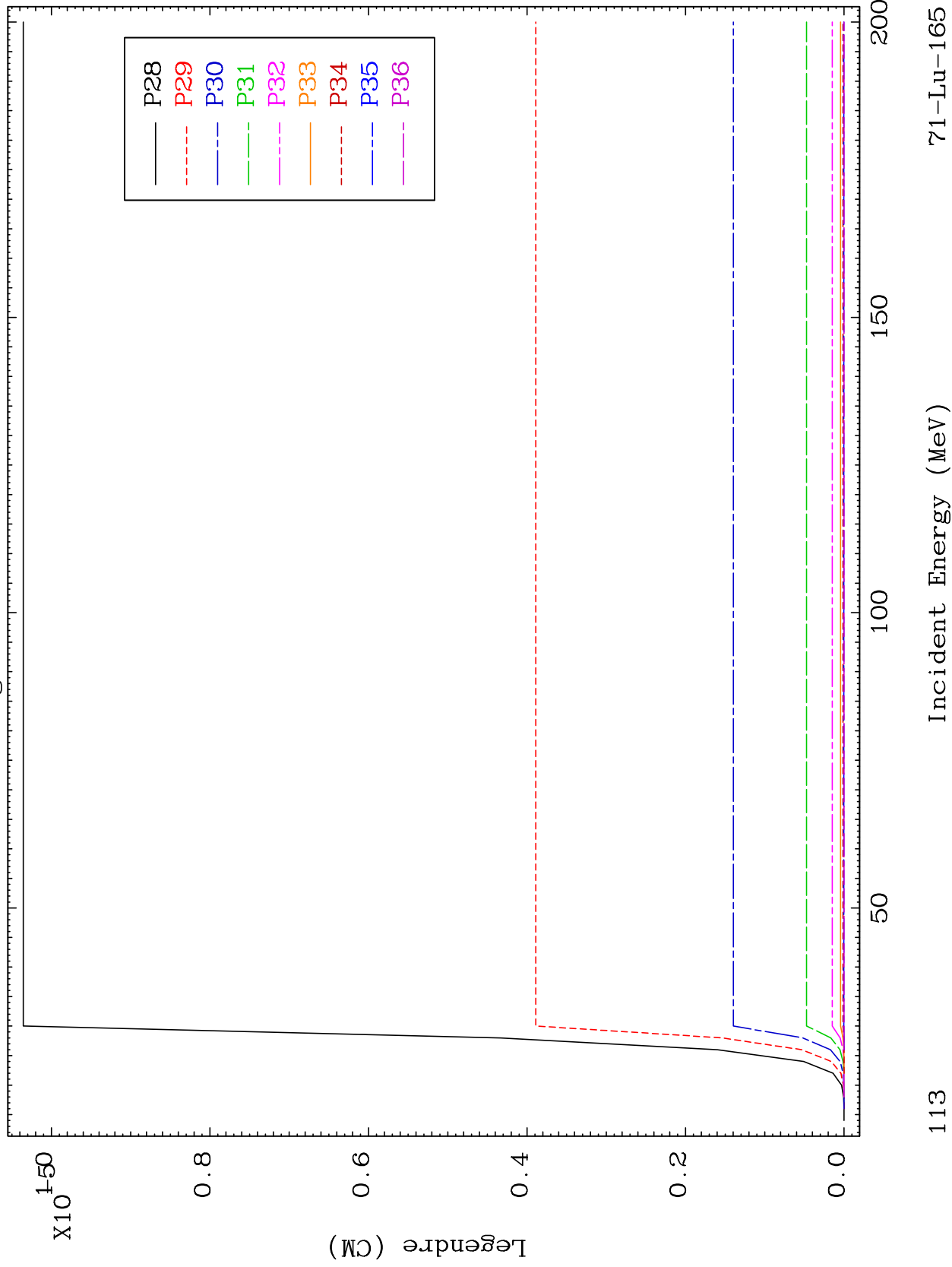


112

MAT 7095

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

71-Lu-165



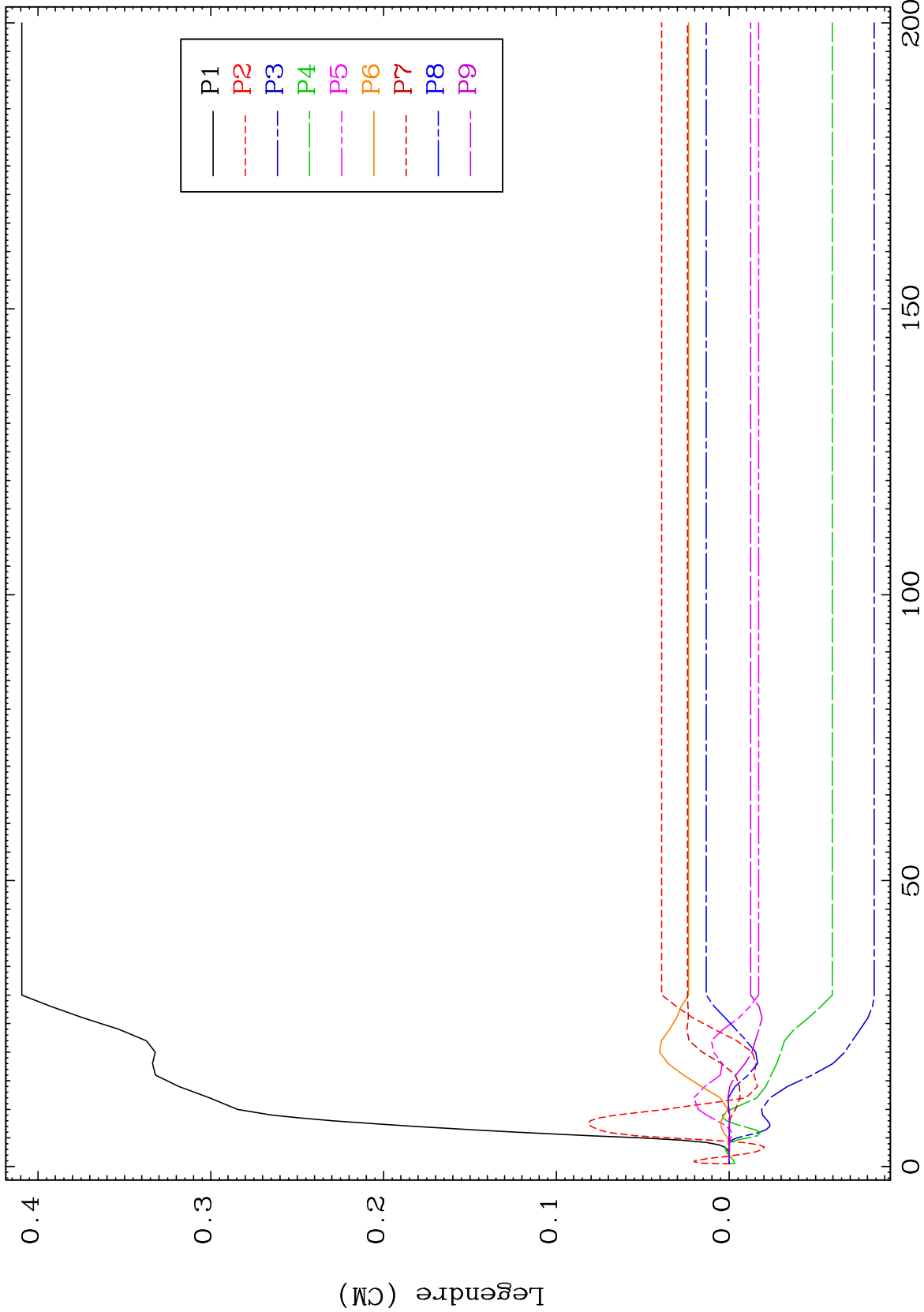
113

71-Lu-165

MAT 7095

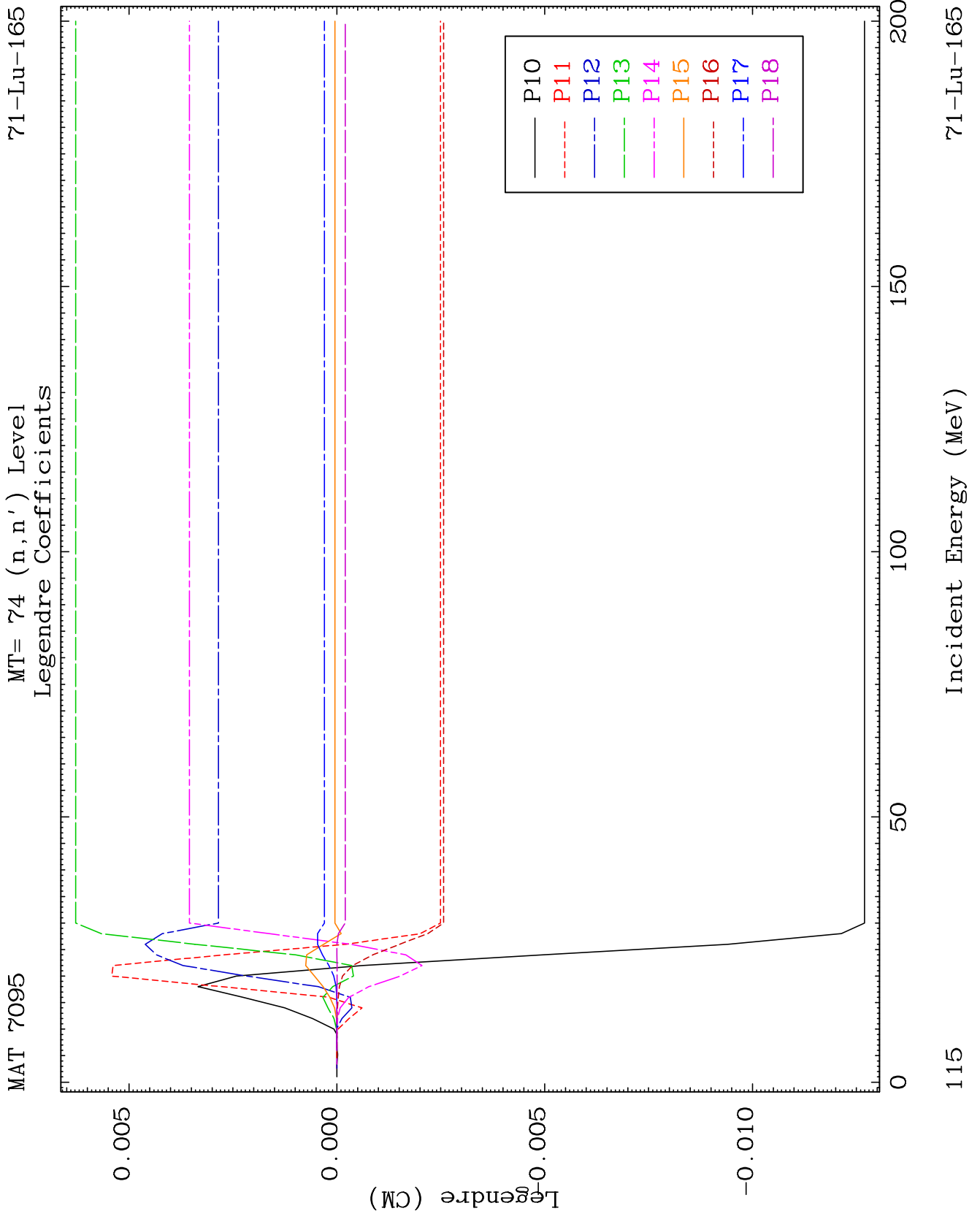
MT= 74 (n,n') Level
Legendre Coefficients

71-Lu-165



114

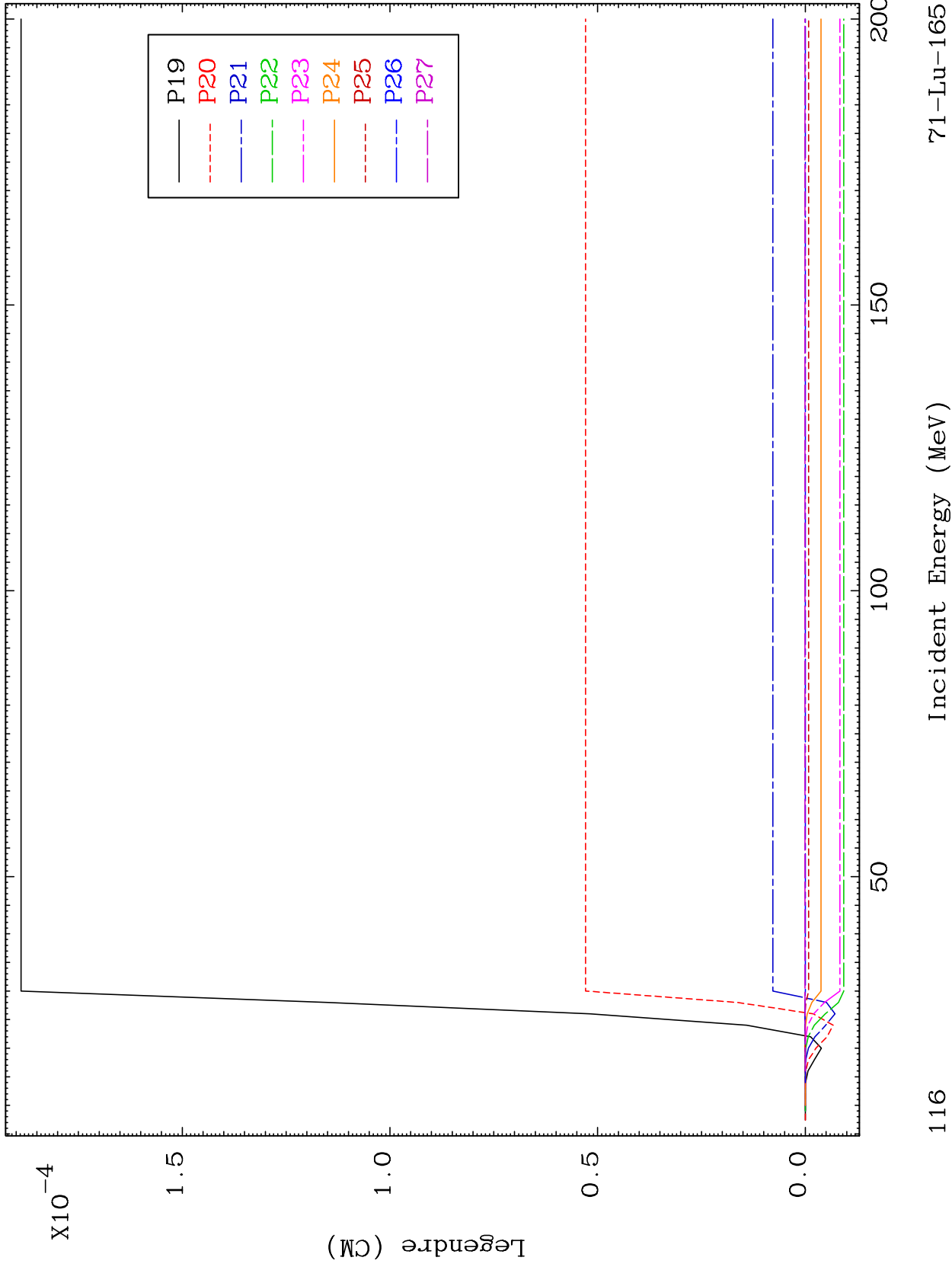
71-Lu-165



MAT 7095

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

71-Lu-165

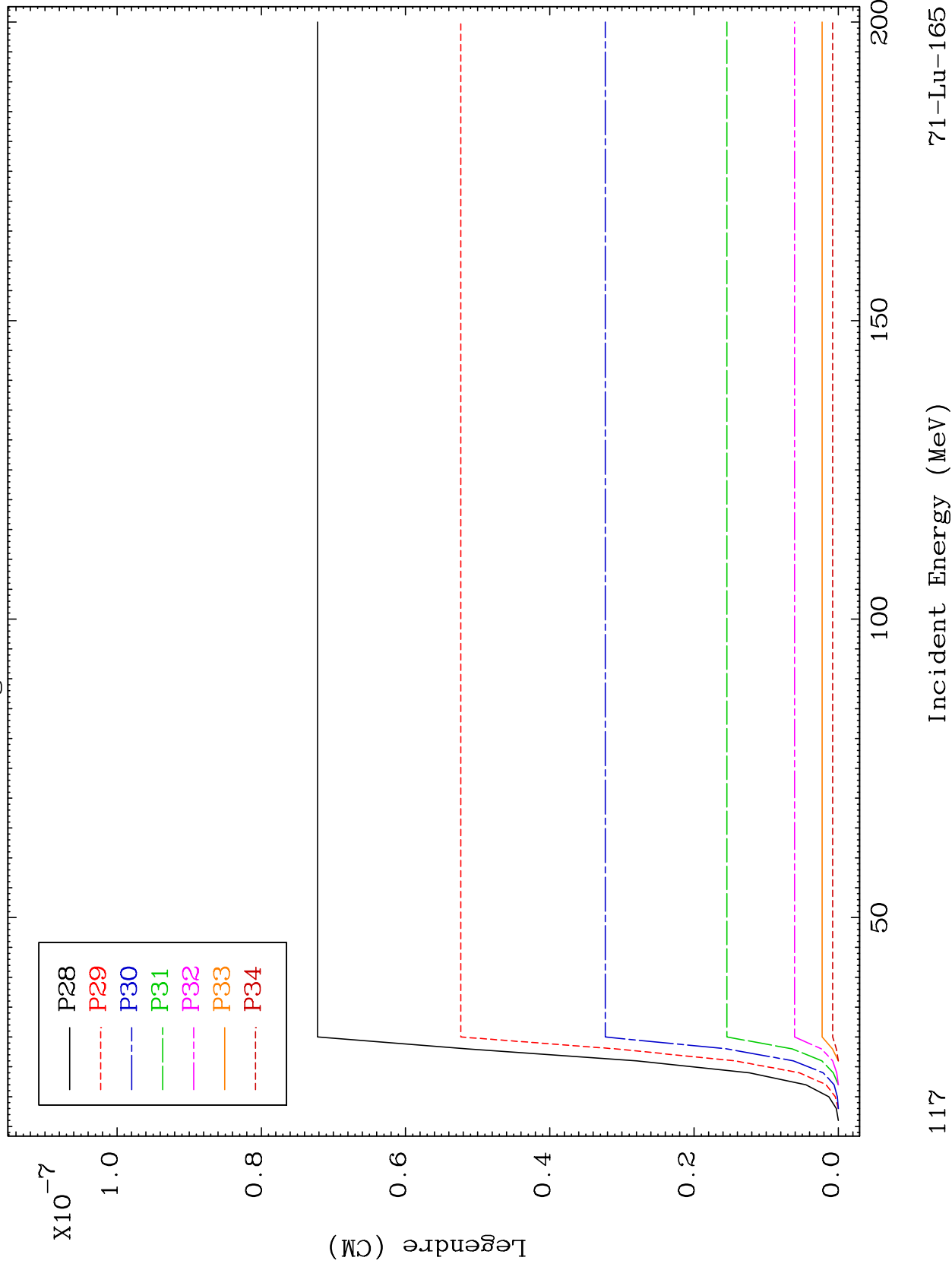


116

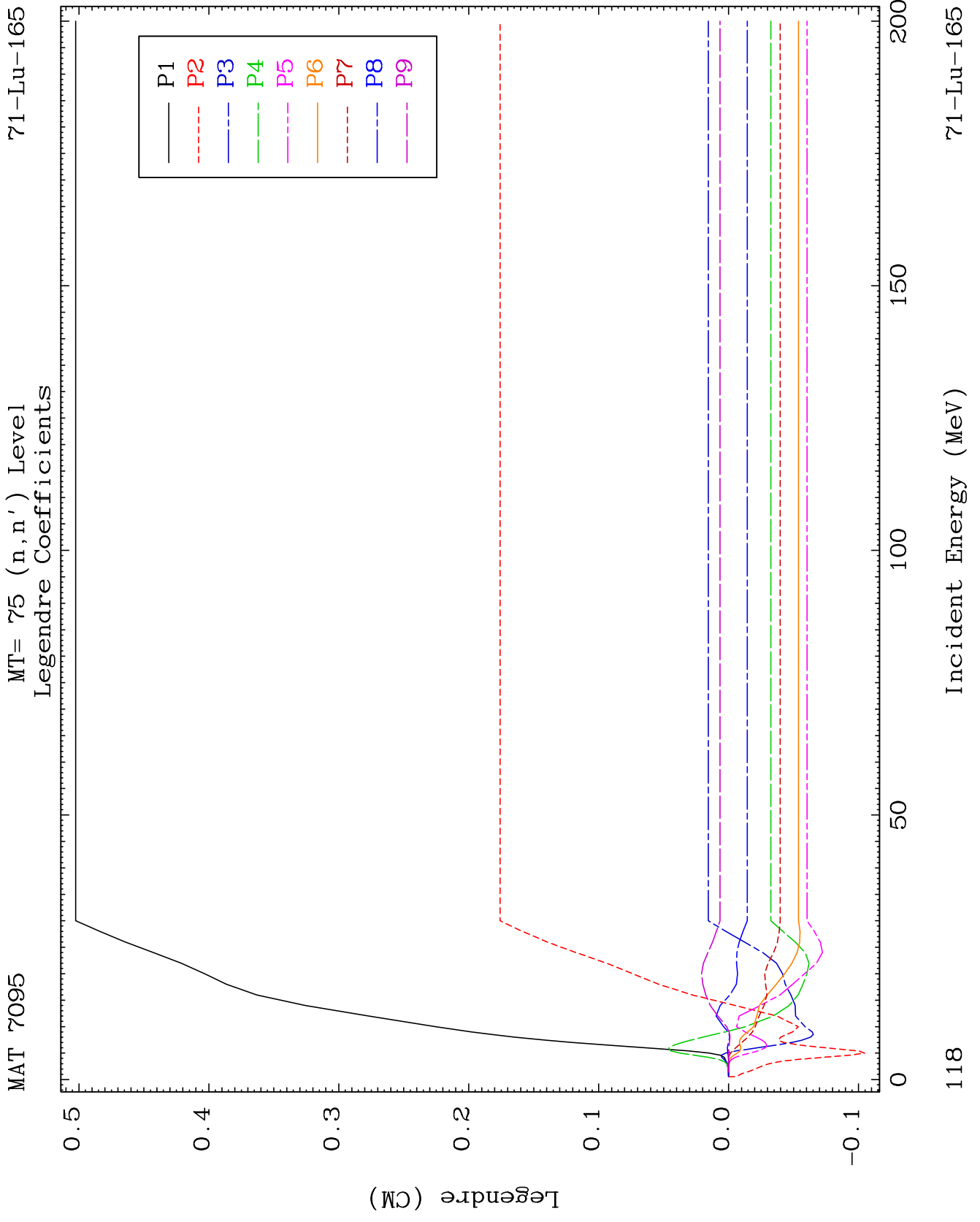
MAT 7095

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

71-Lu-165



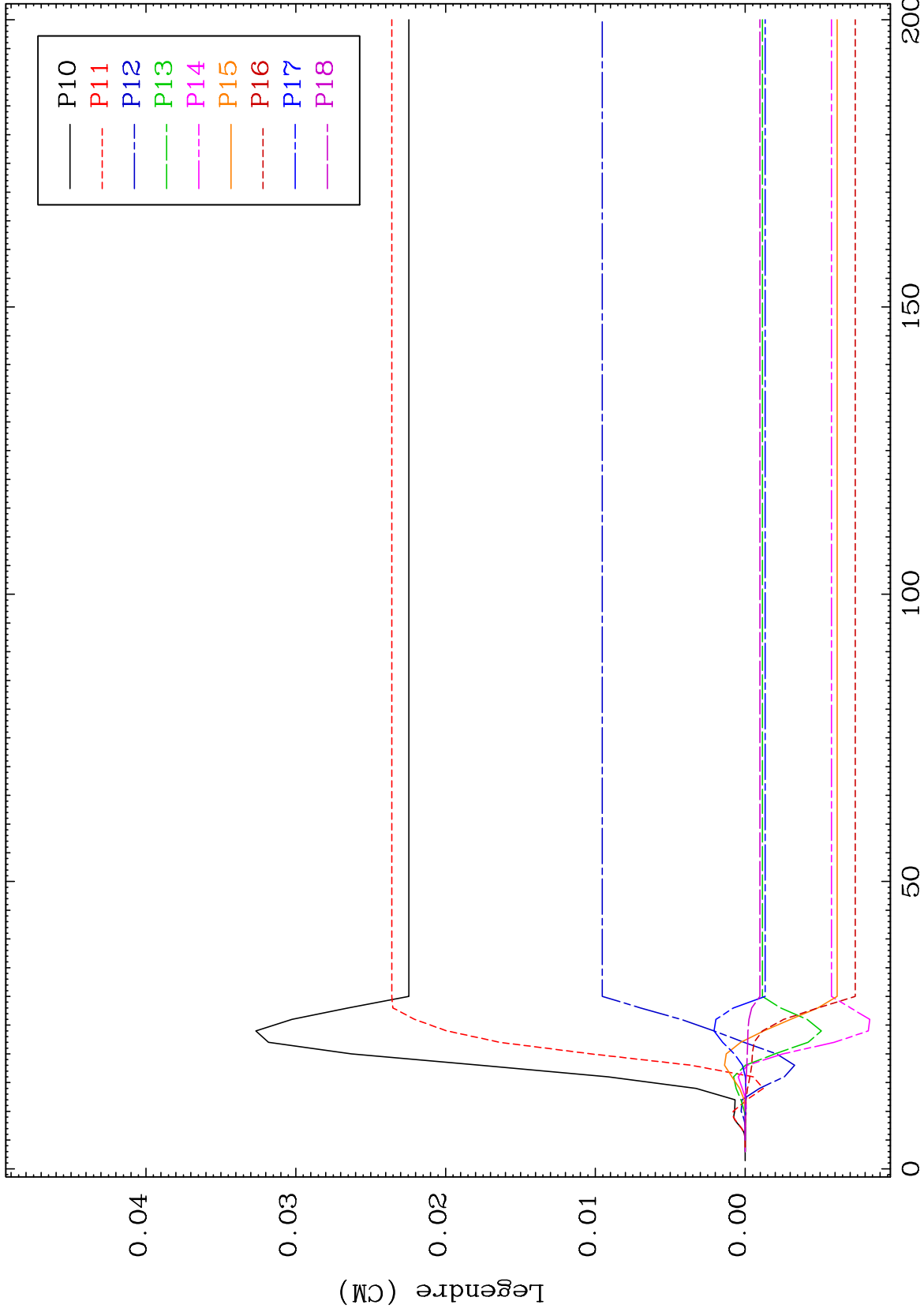
117



MAT 7095

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

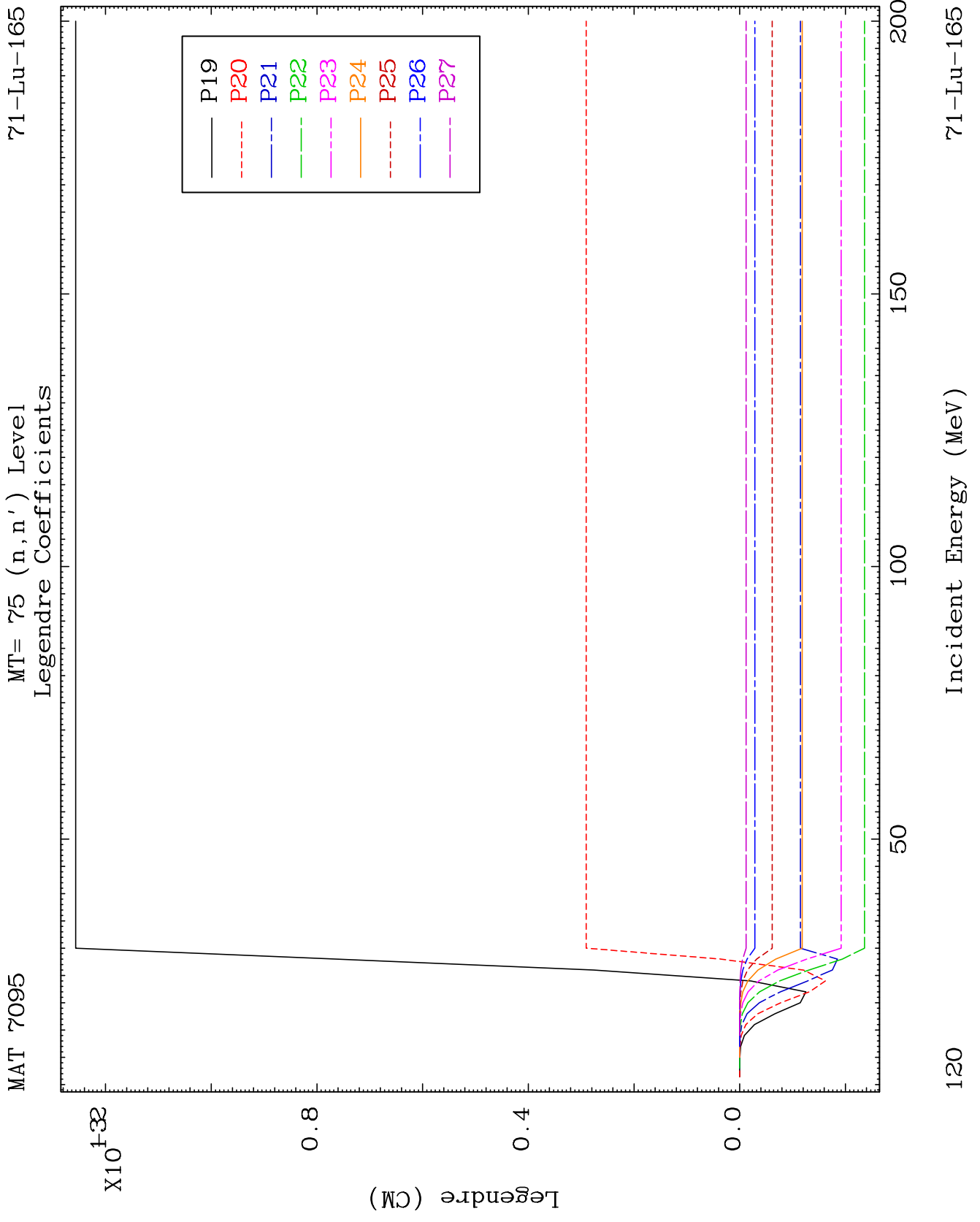
71-Lu-165

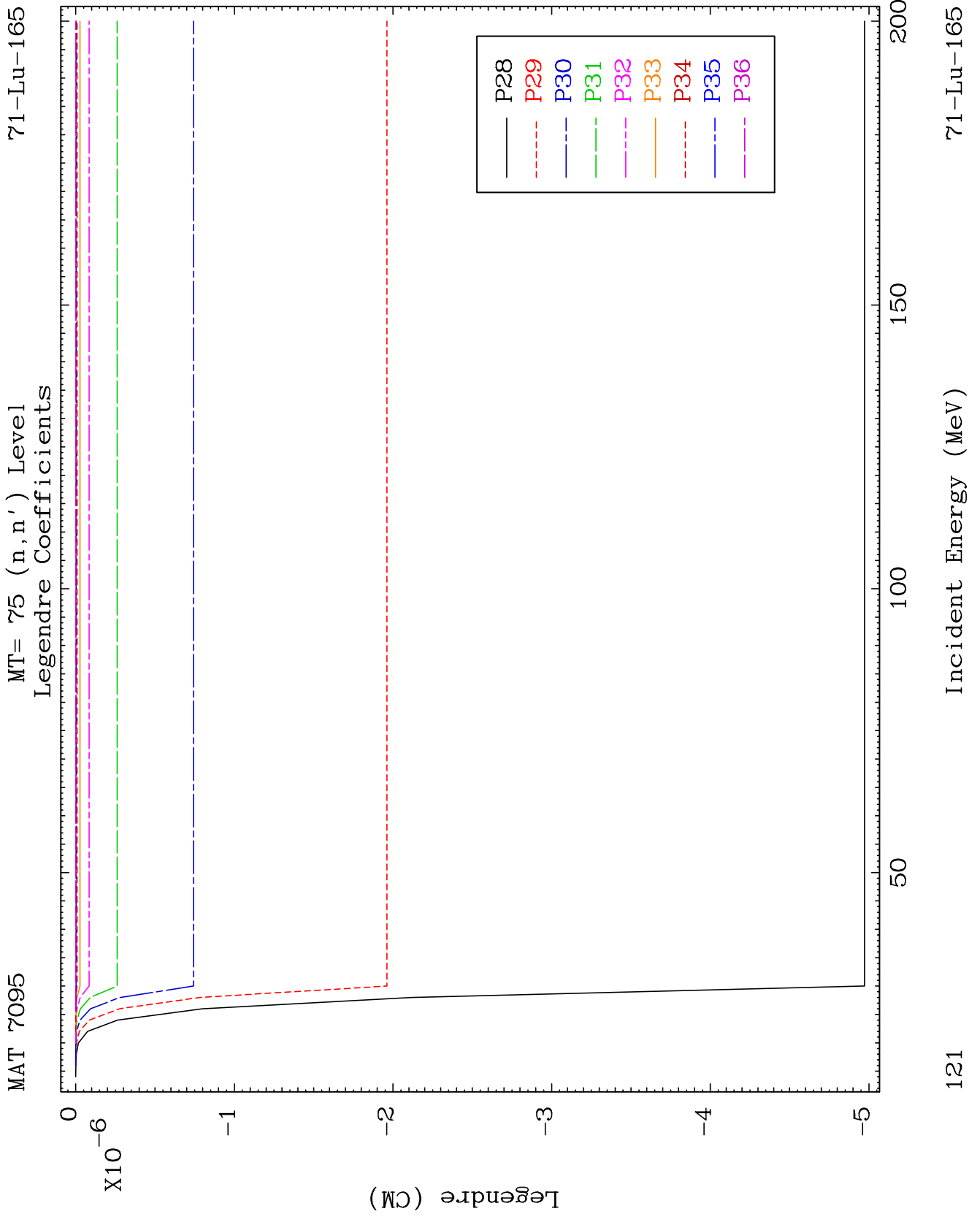


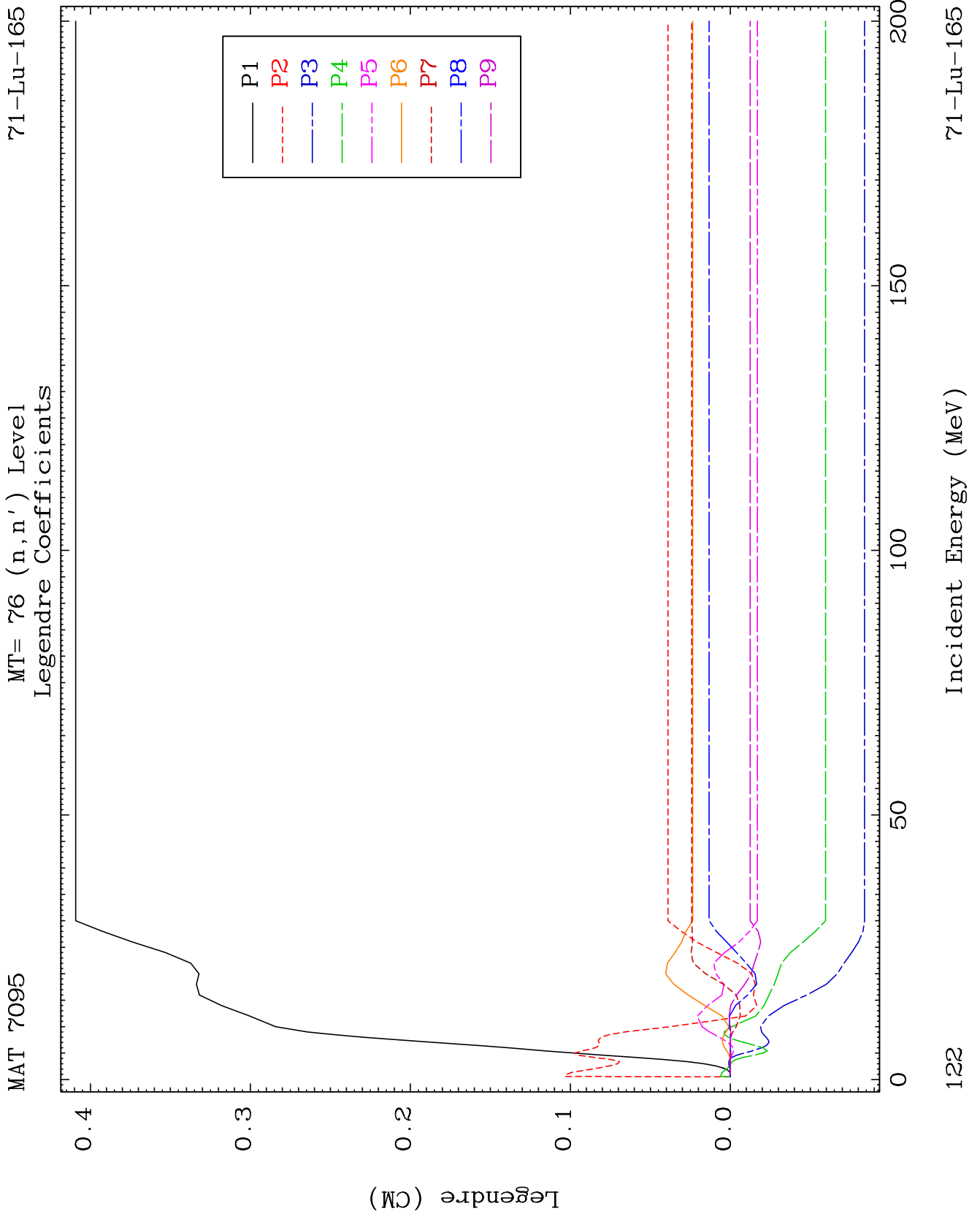
119

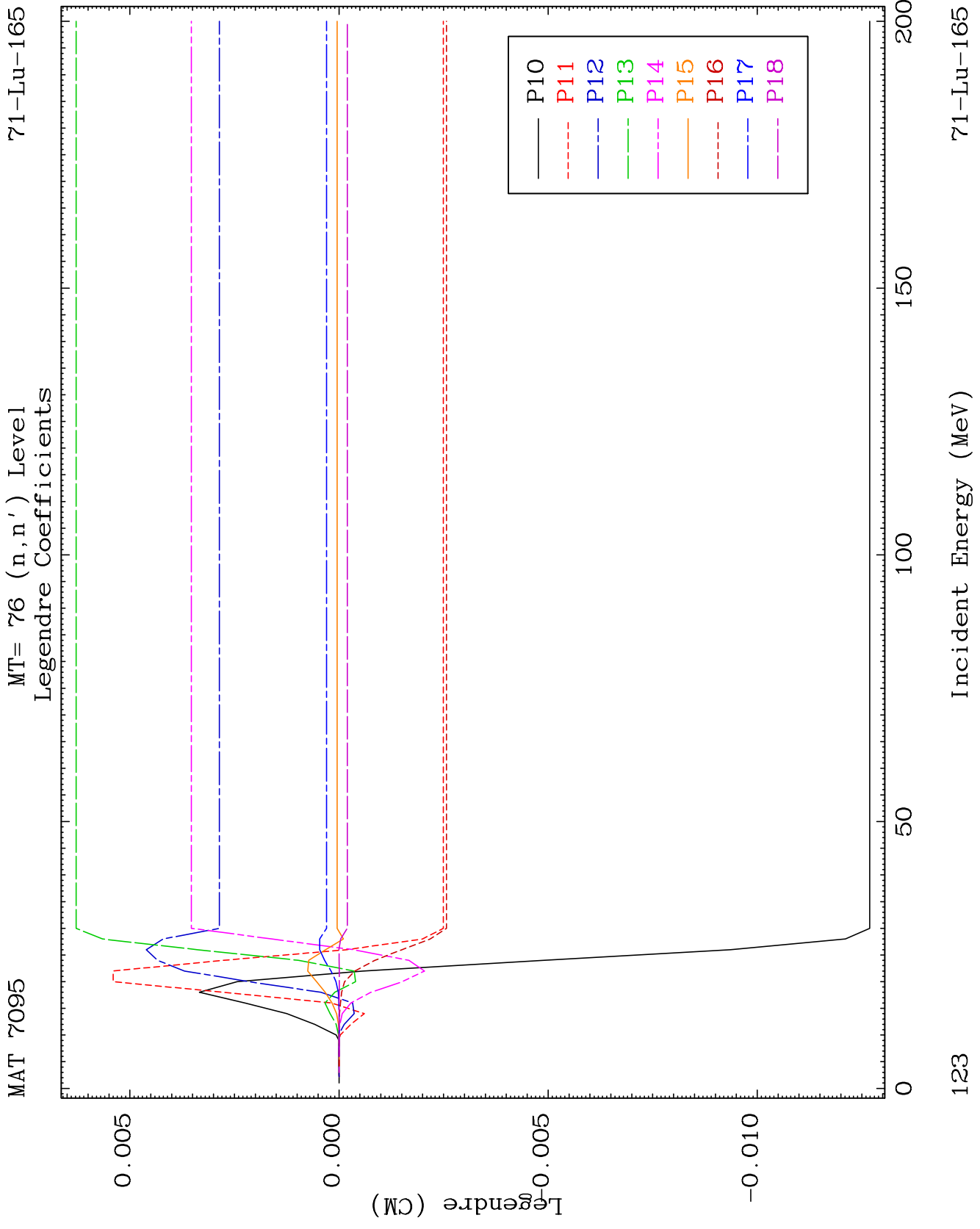
Incident Energy (MeV)

71-Lu-165





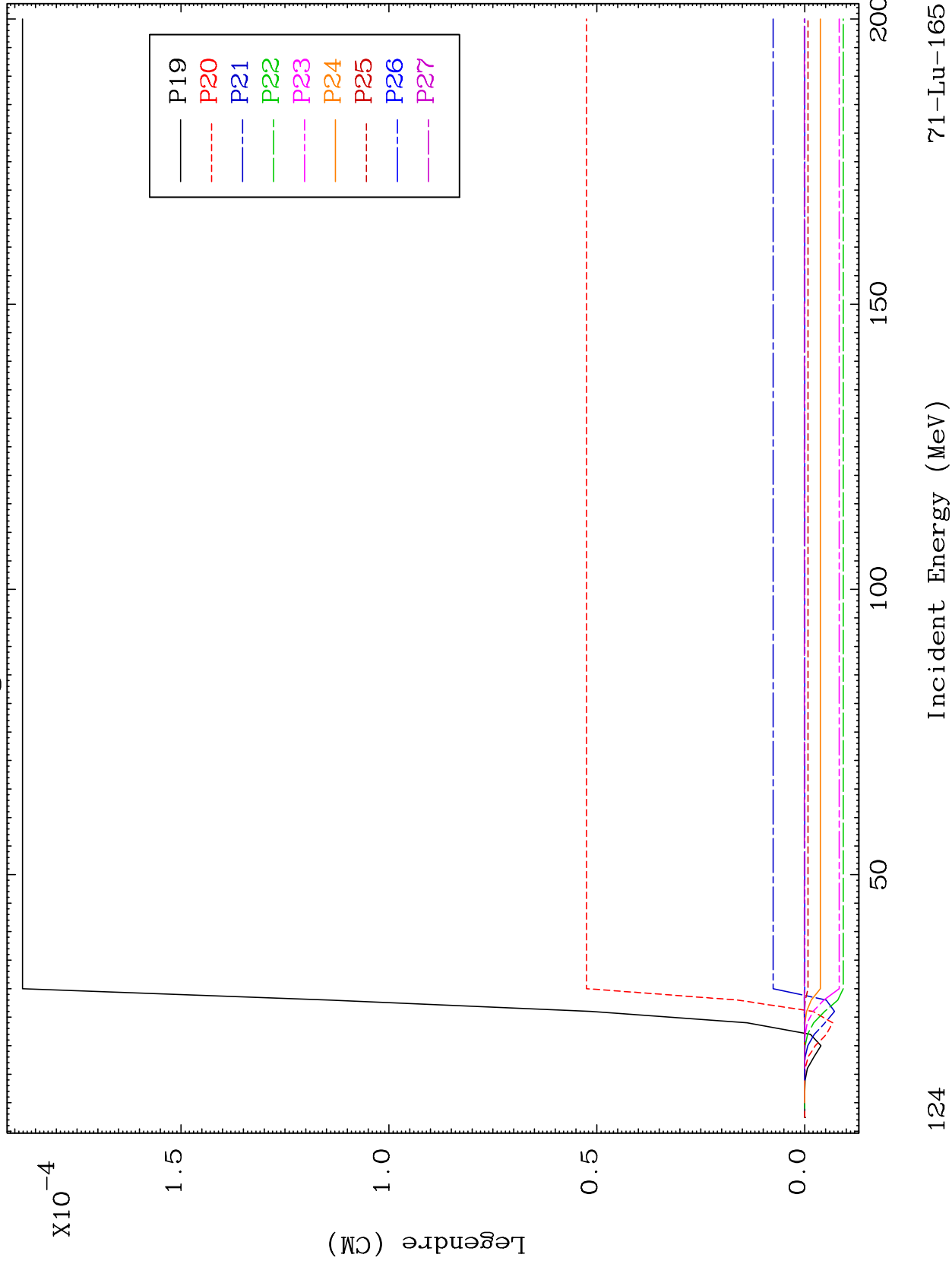




MAT 7095

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

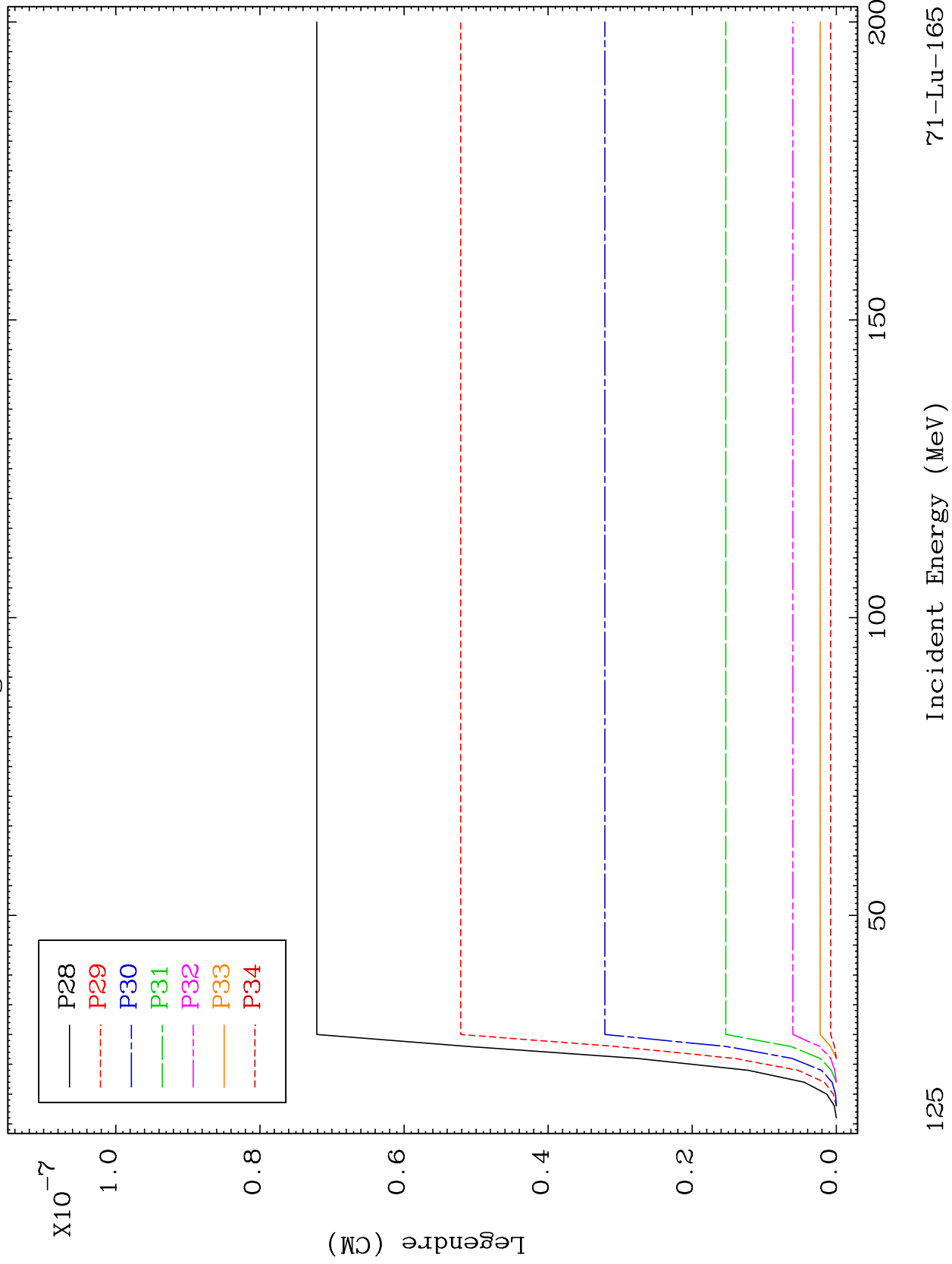
71-Lu-165



MAT 7095

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

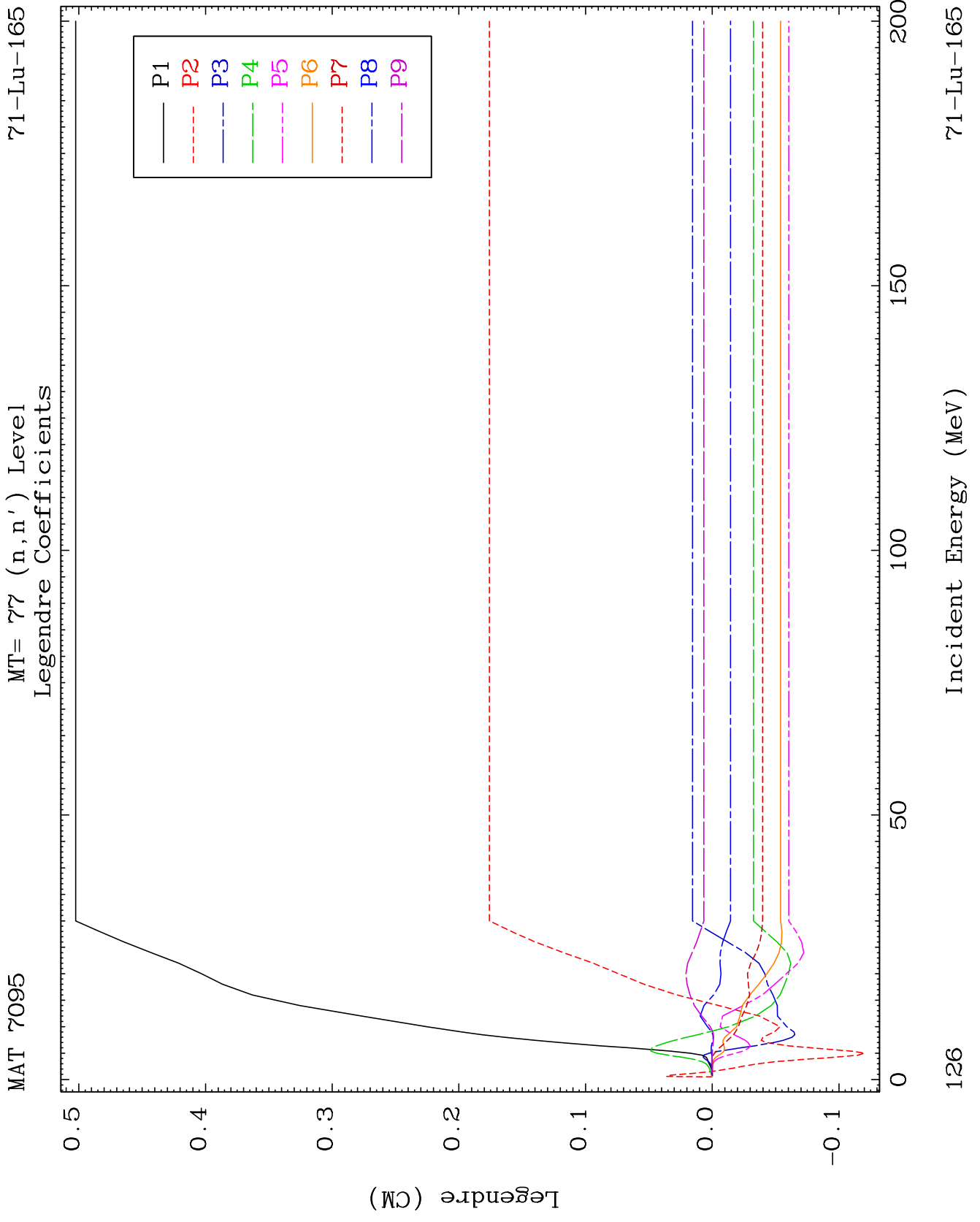
71-Lu-165

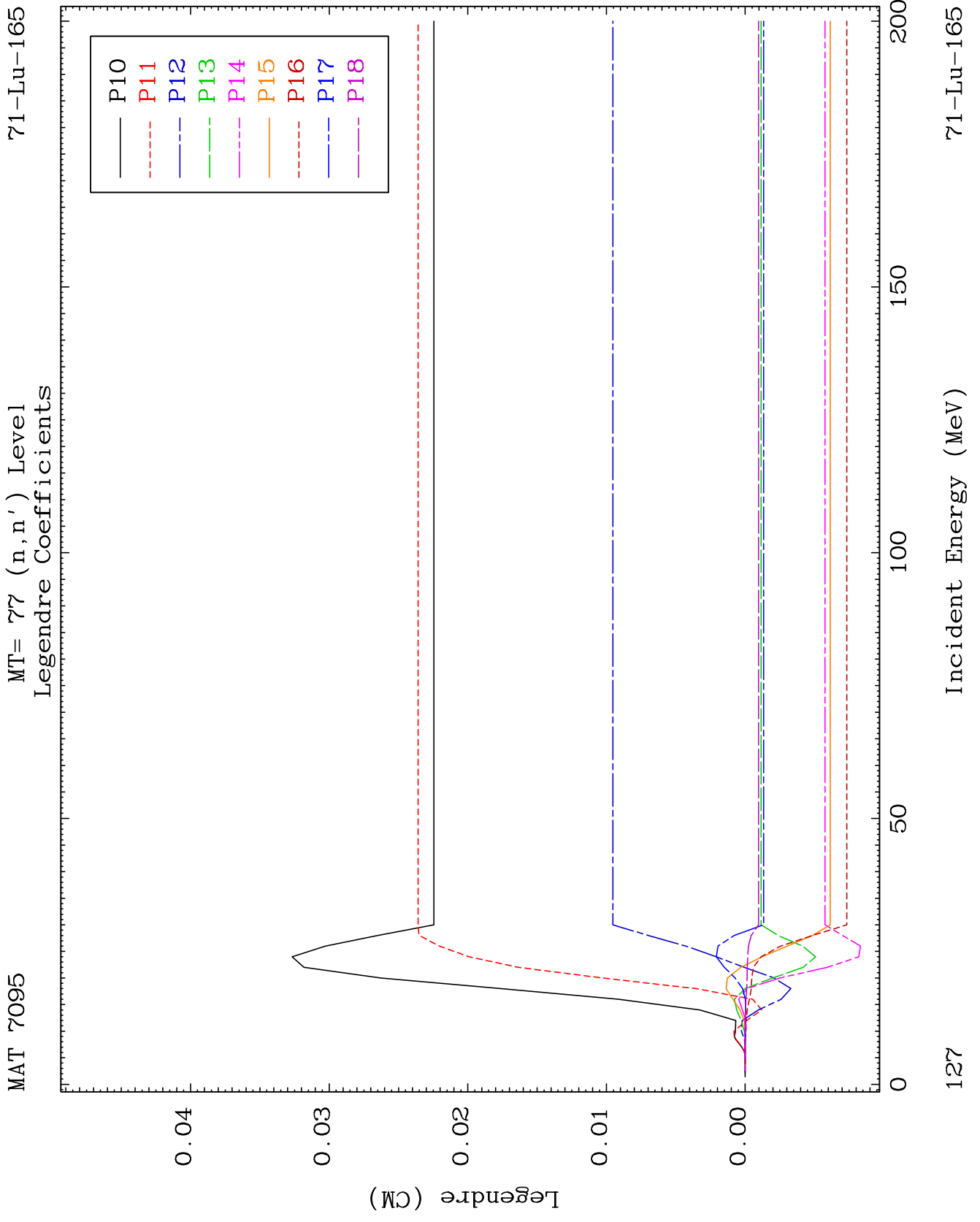


125

Incident Energy (MeV)

71-Lu-165

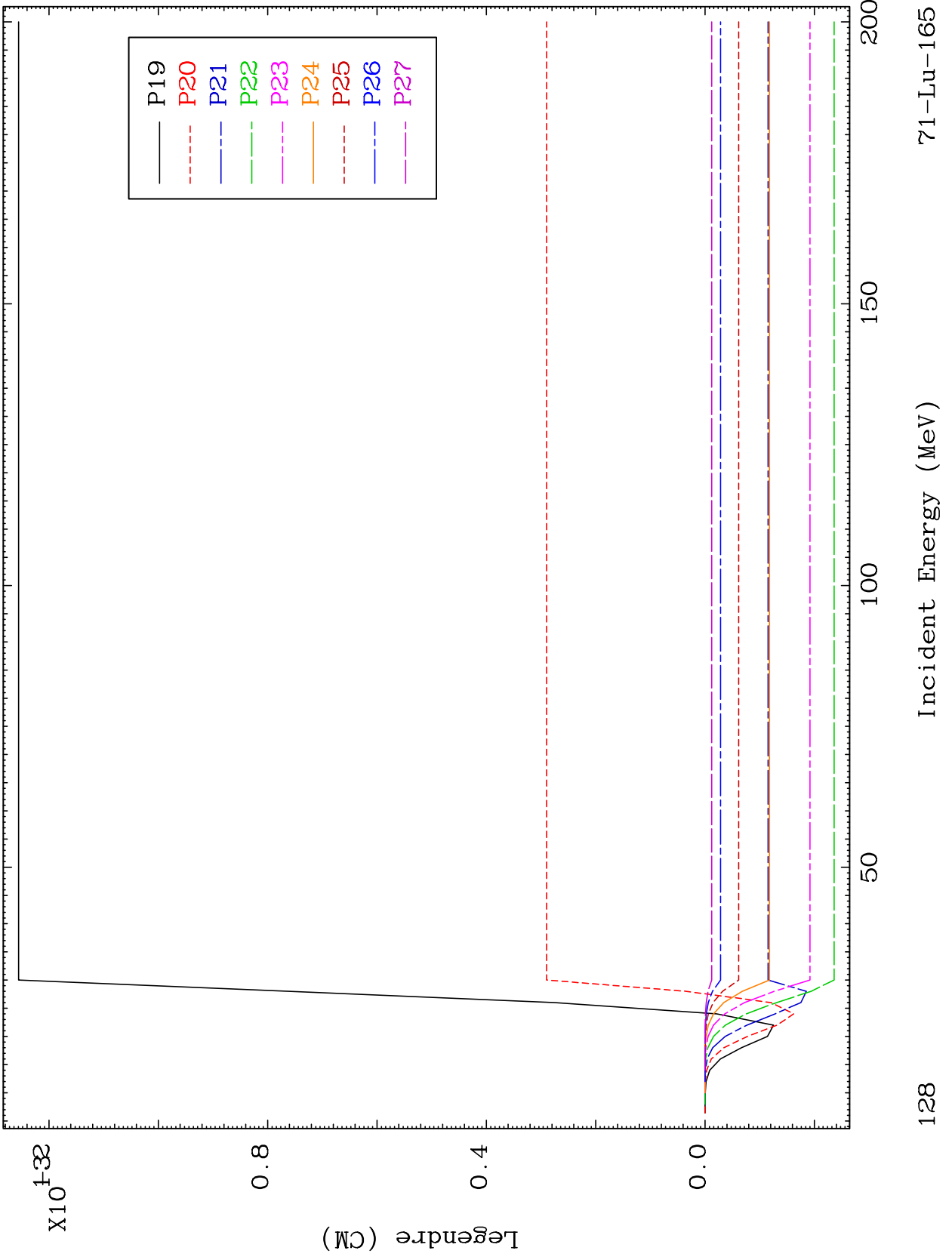




MAT 7095

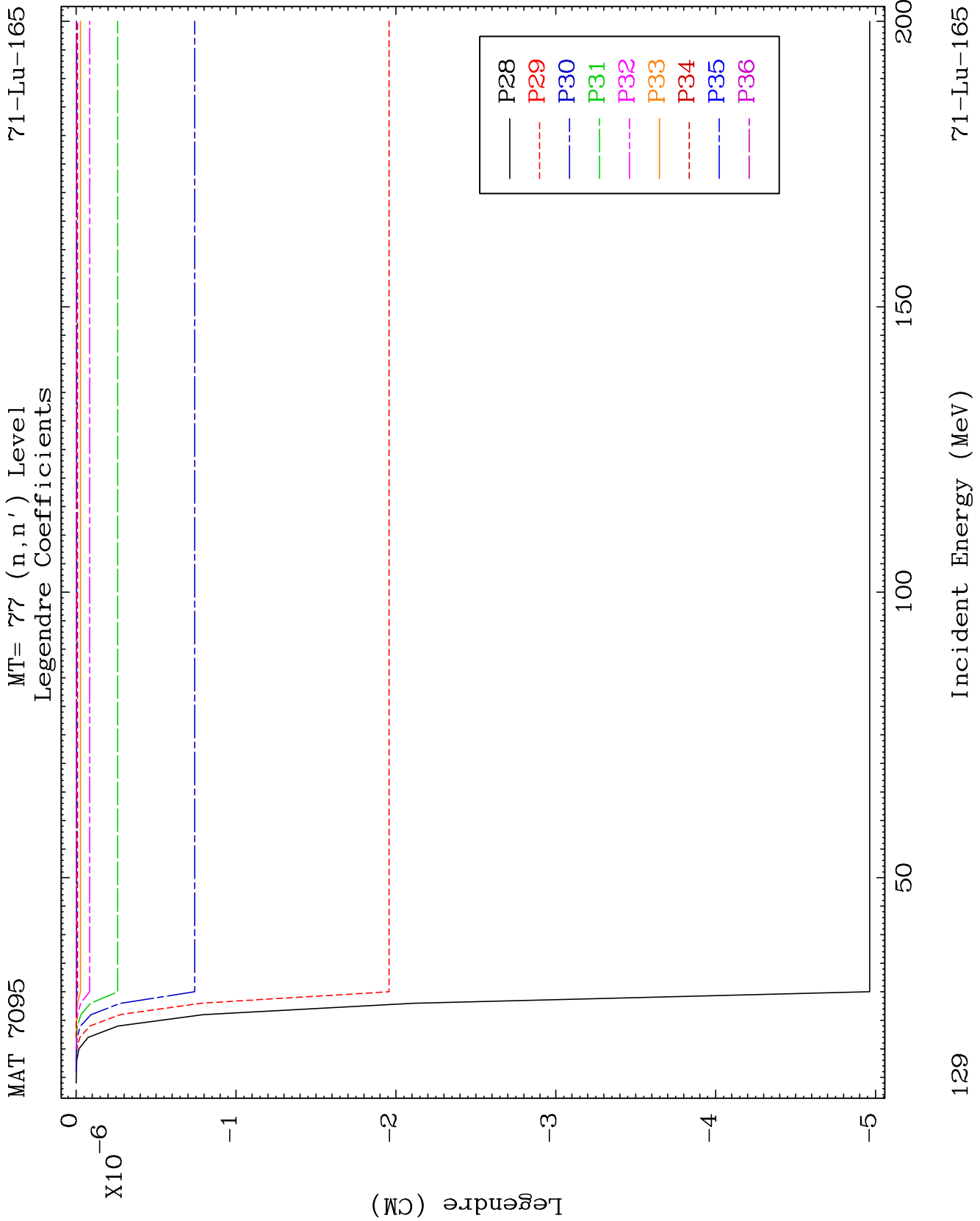
MT= 77 (n,n') Level
Legendre Coefficients

71-Lu-165



128

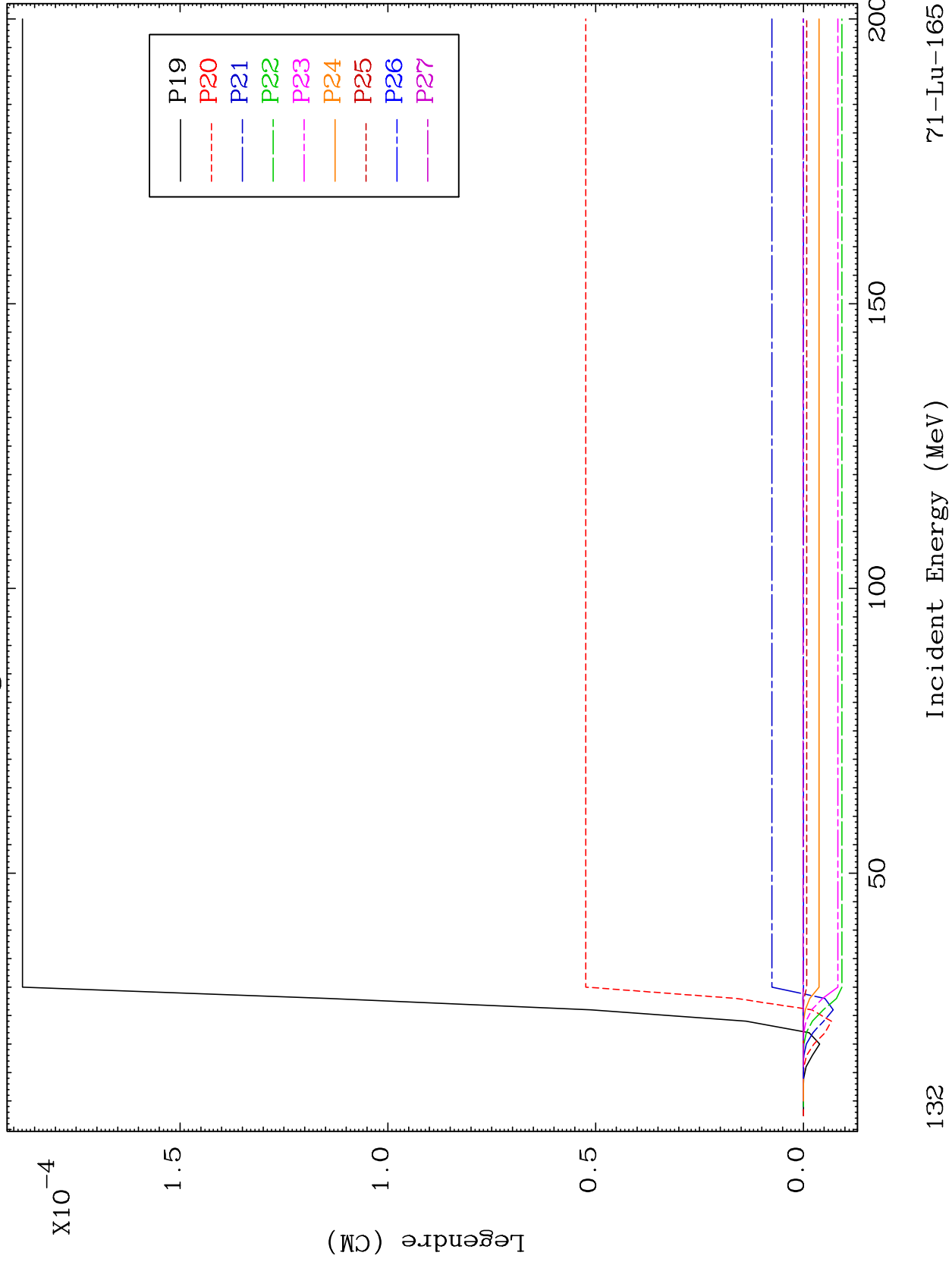
71-Lu-165



MAT 7095

MT= 78 (n,n') Level
Legendre Coefficients

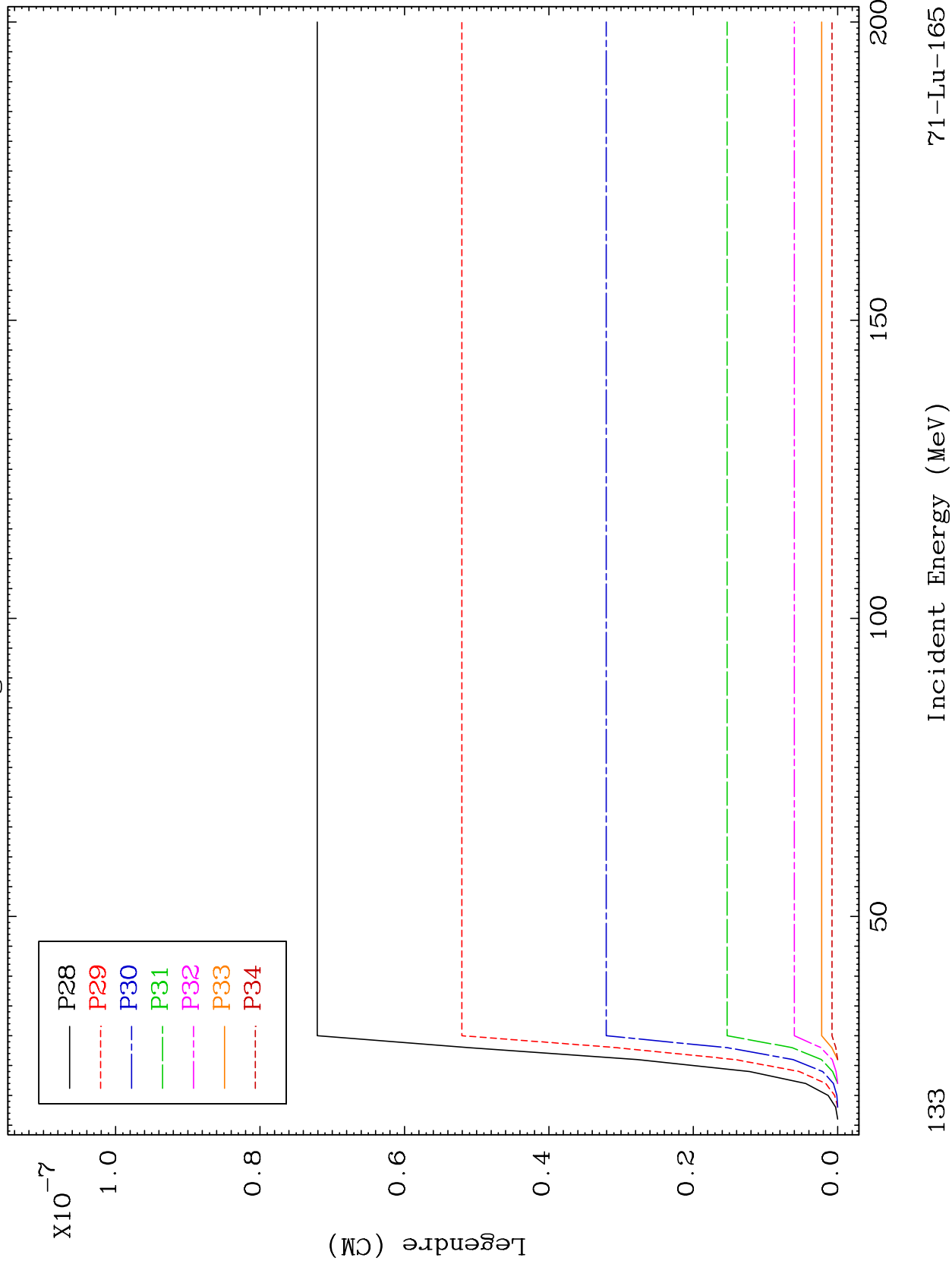
71-Lu-165



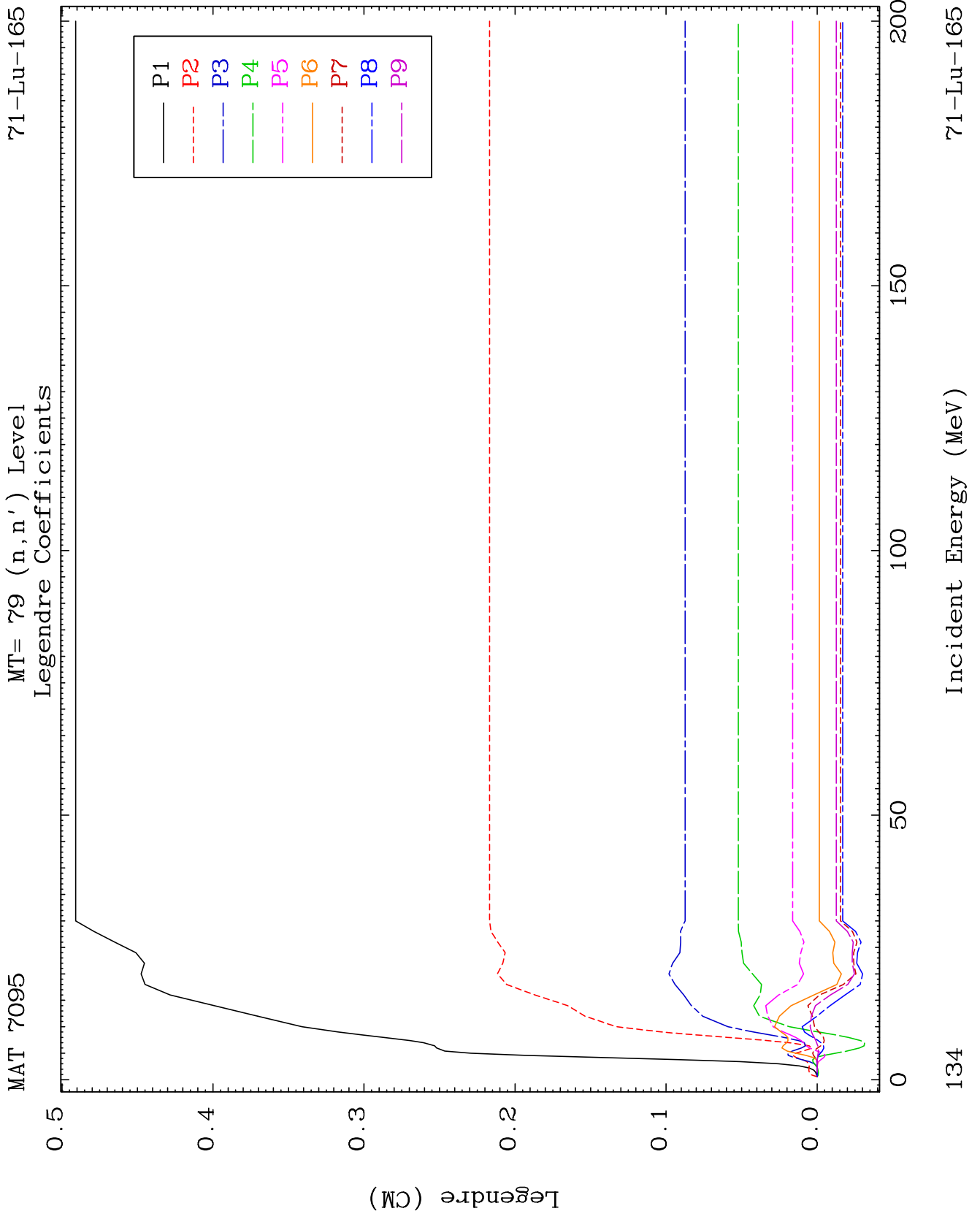
MAT 7095

MT= 78 (n,n') Level
Legendre Coefficients

71-Lu-165



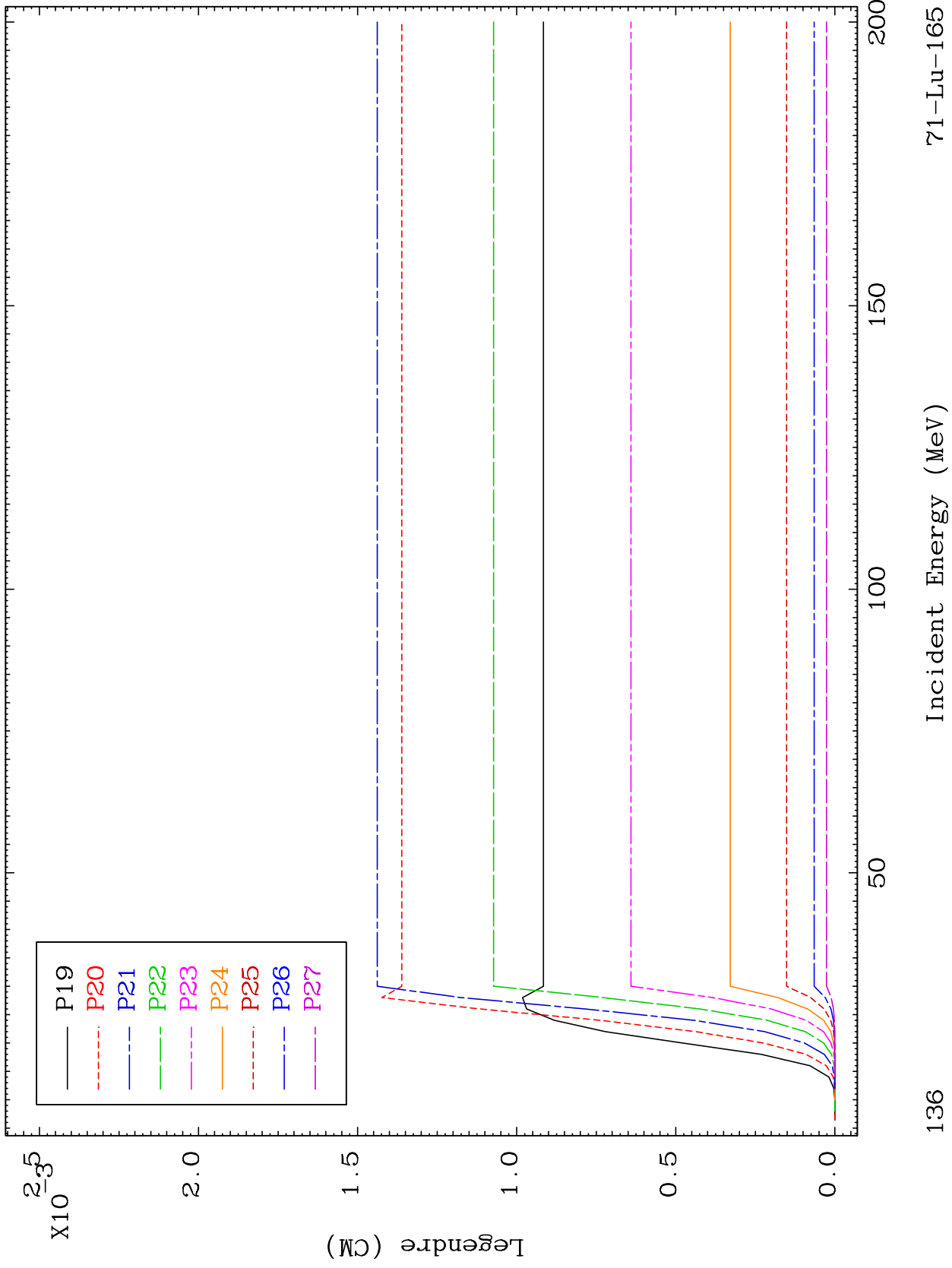
133



MAT 7095

MT= 79 (n,n') Level
Legendre Coefficients

71-Lu-165

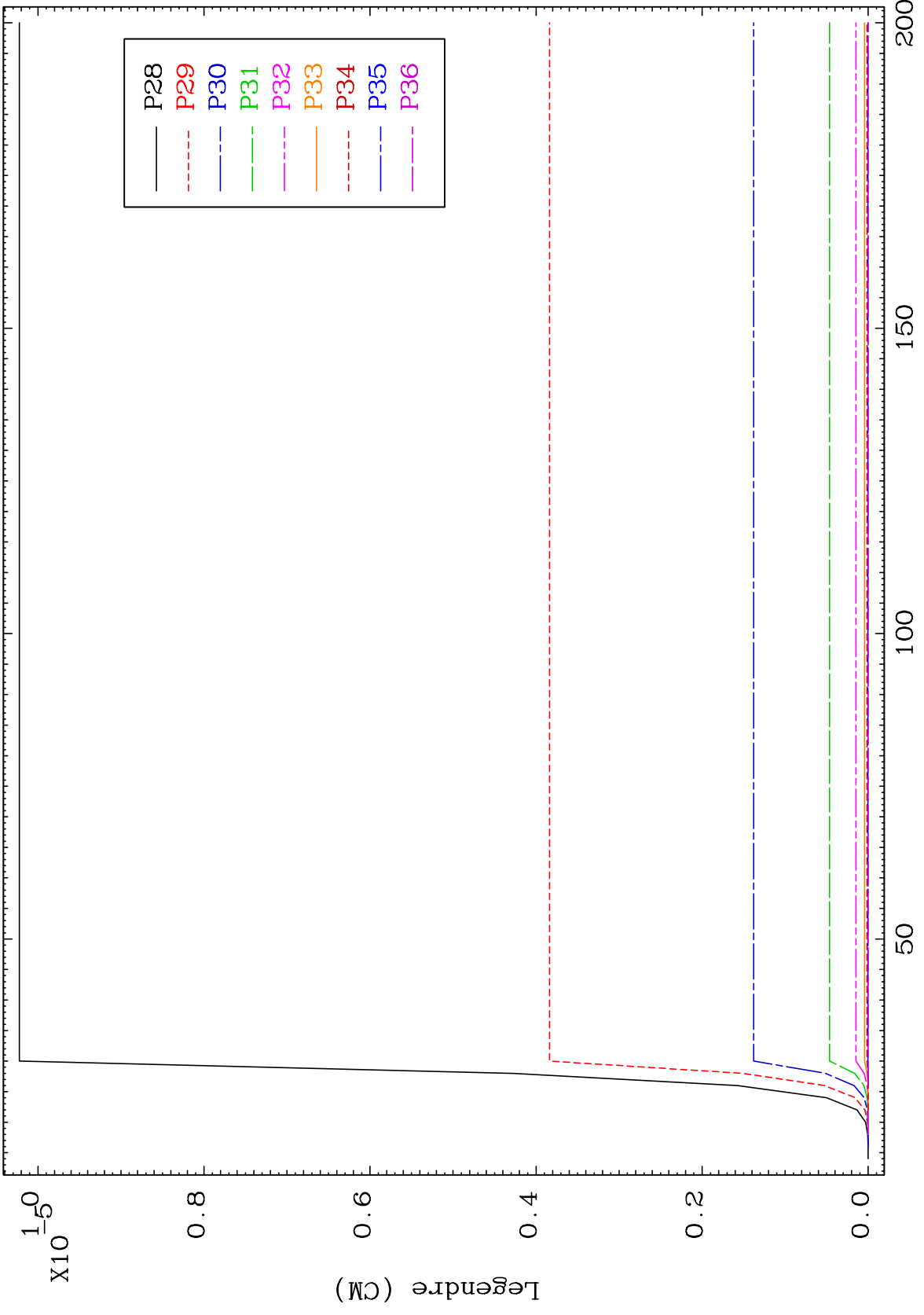


136

MAT 7095

MT= 79 (n,n') Level Legendre Coefficients

71-Lu-165



71-Lu-165

Incident Energy (MeV)

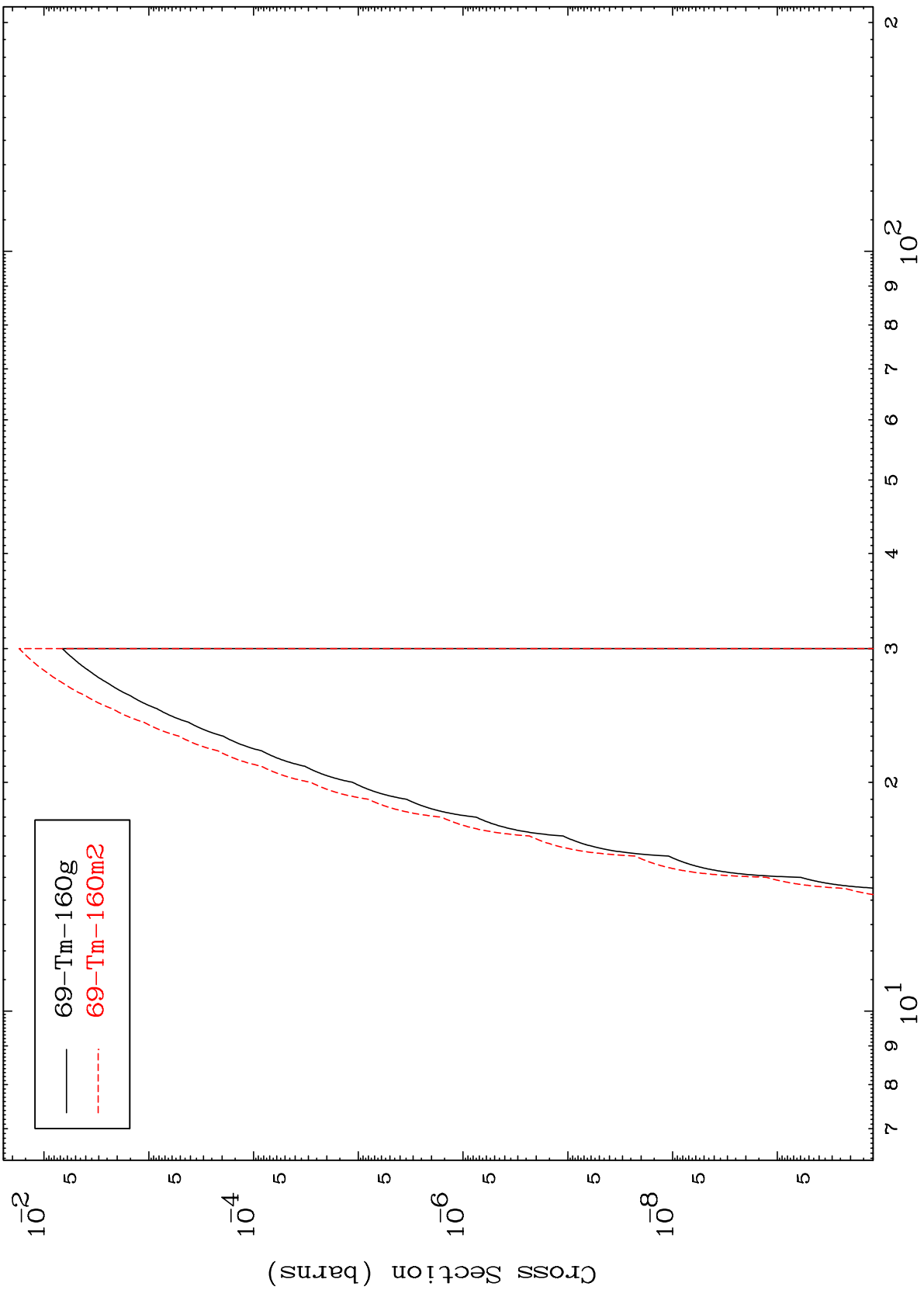
137

MAT 7095

$(n,2n) \alpha$

$^{71}\text{Lu-165}$

Radionuclide Production Cross Section



138

Incident Energy (MeV)

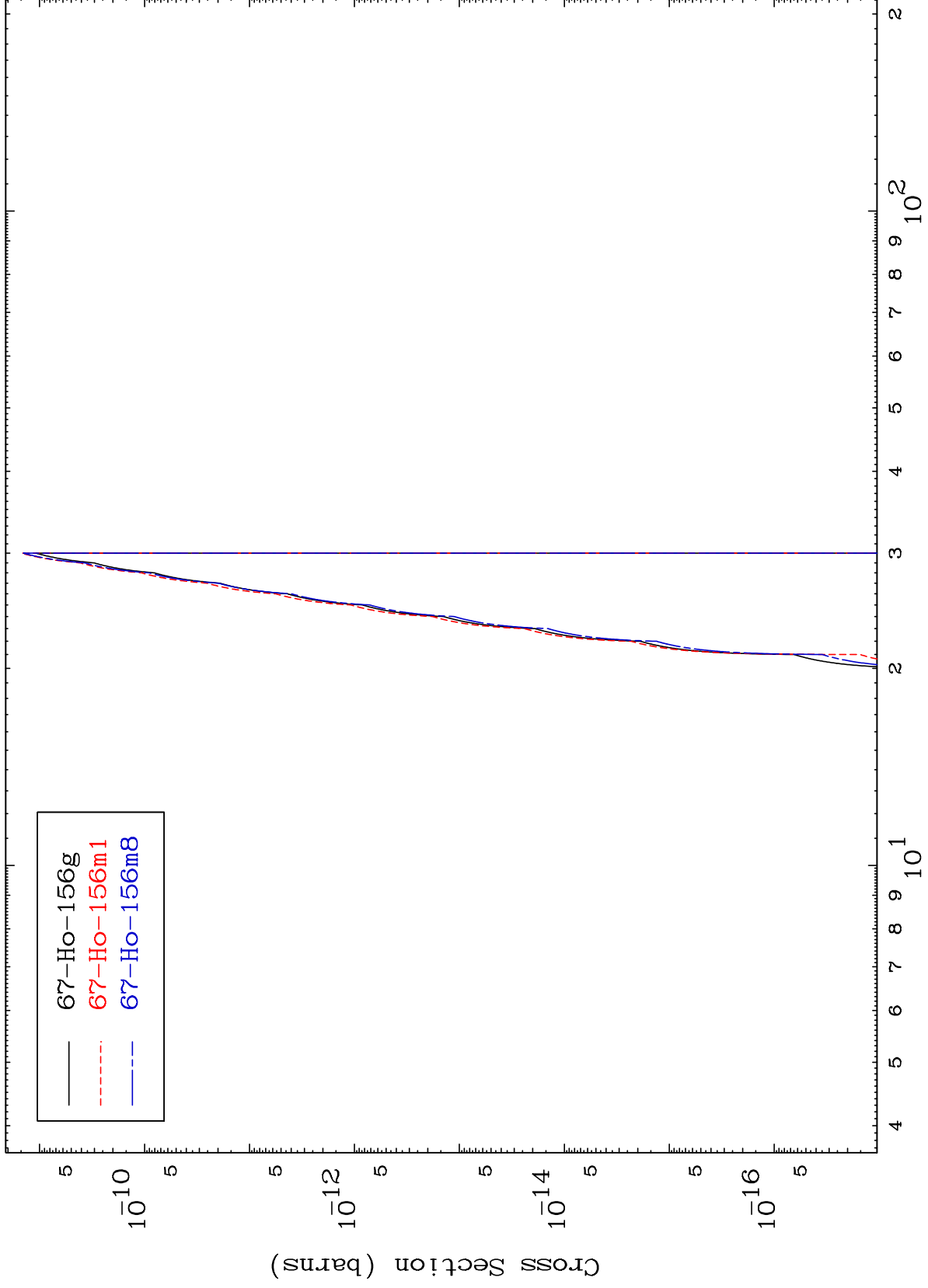
$^{71}\text{Lu-165}$

MAT 7095

$(n,2n) 2\alpha$

$^{71}\text{Lu-165}$

Radionuclide Production Cross Section



139

Incident Energy (MeV)

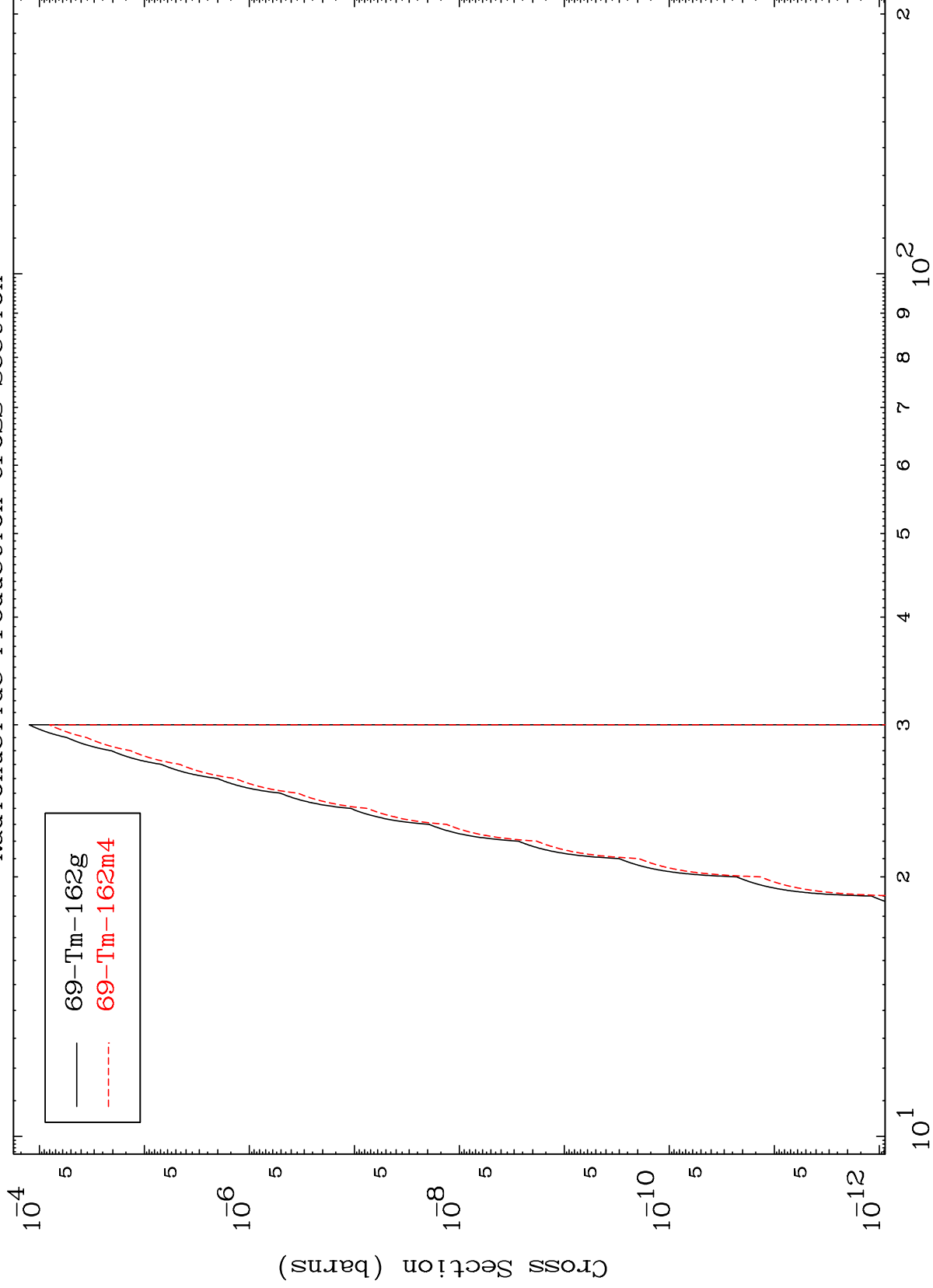
$^{71}\text{Lu-165}$

MAT 7095

(n,n') He-3

71-Lu-165

Radionuclide Production Cross Section



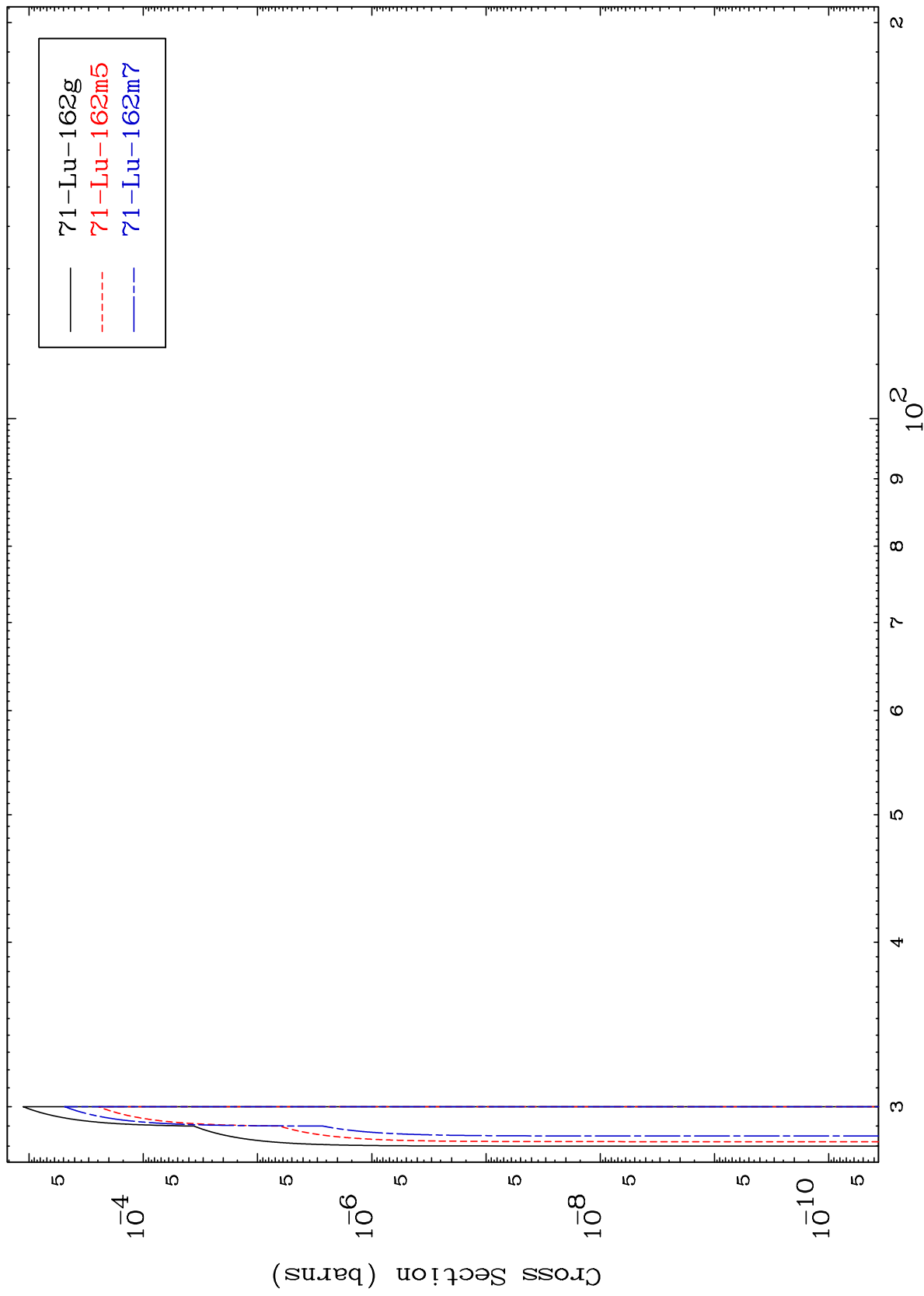
Incident Energy (MeV)

71-Lu-165

MAT 7095

71-Lu-165

(n,4n)
Radionuclide Production Cross Section



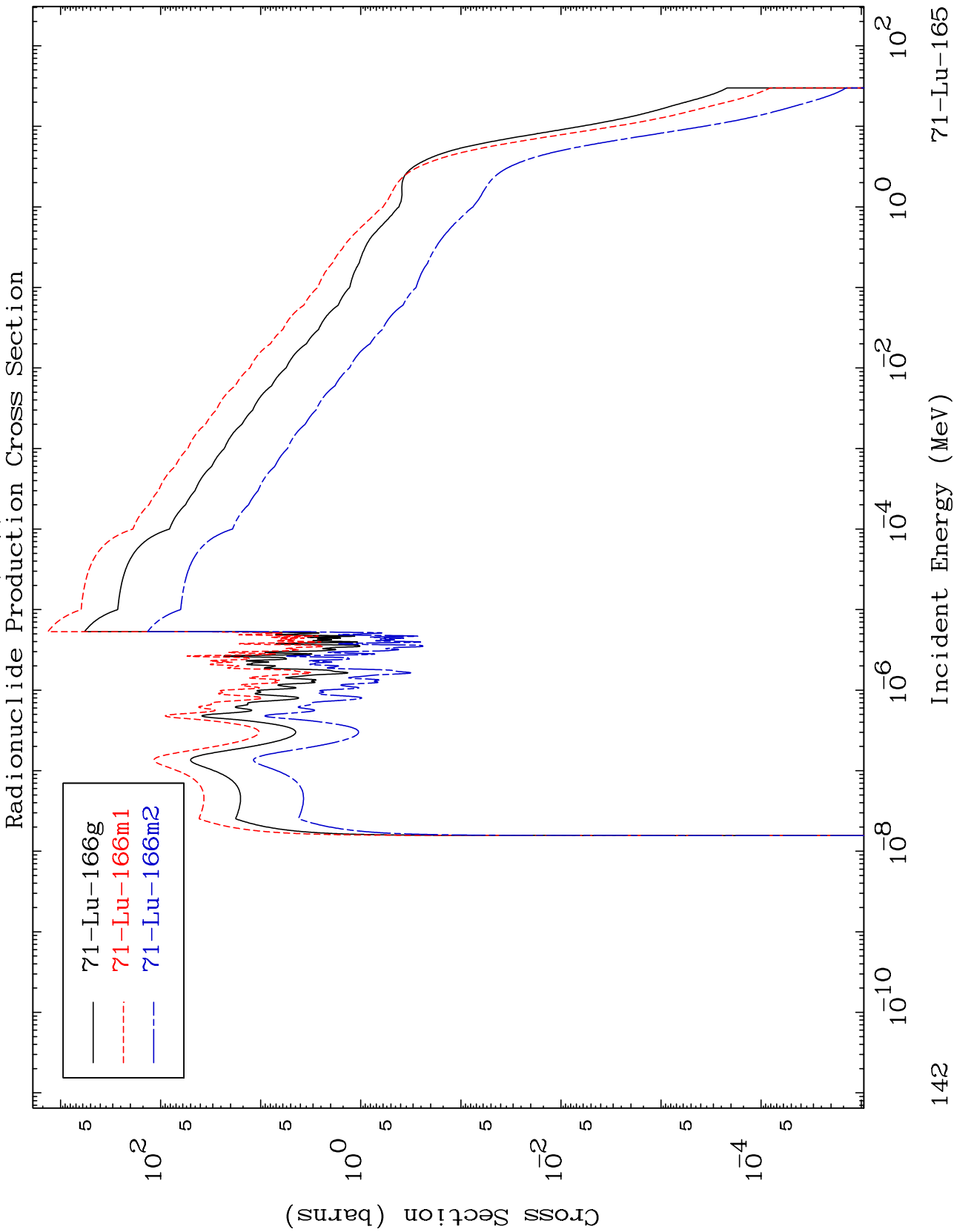
141

71-Lu-165

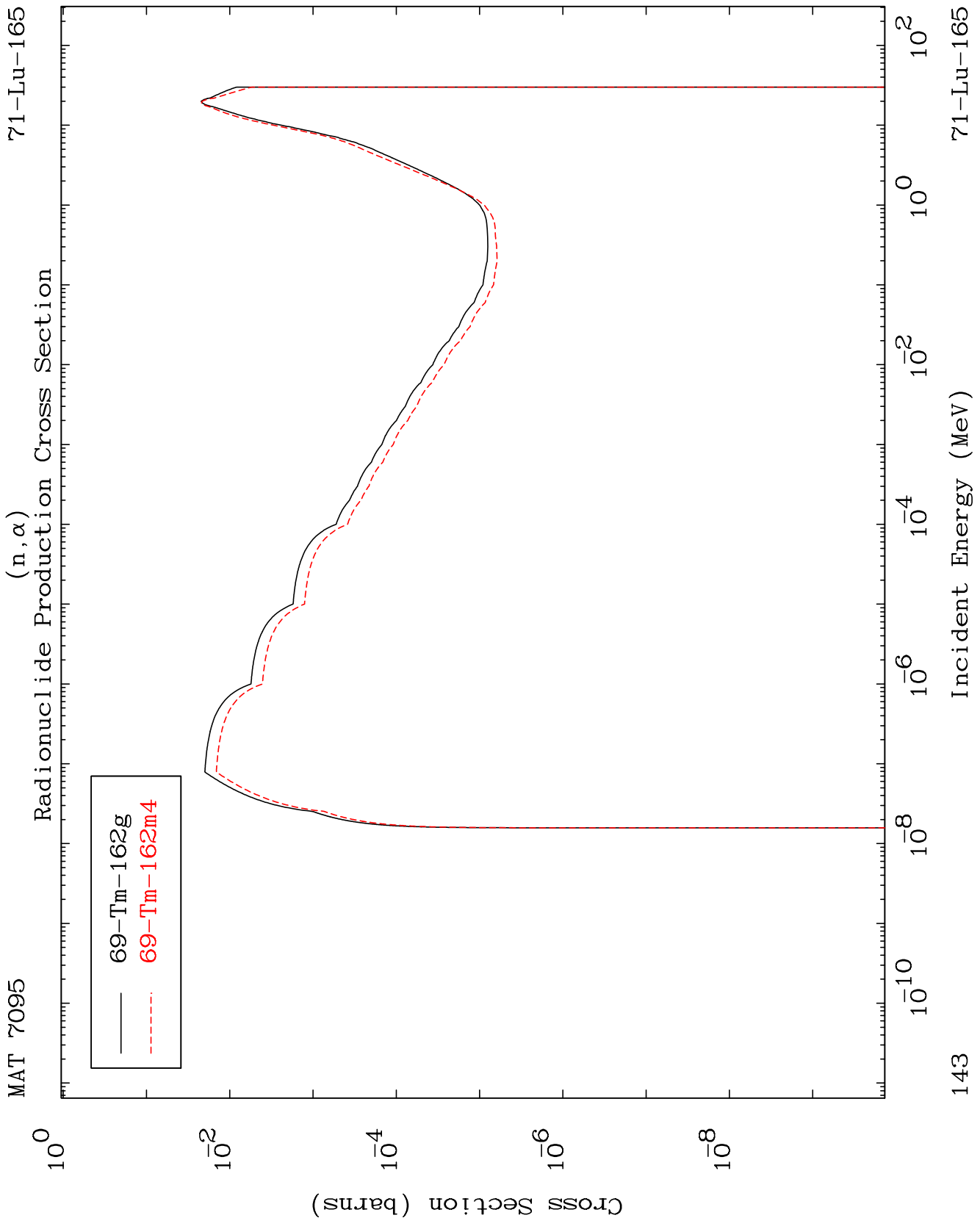
Incident Energy (MeV)

MAT 7095

⁷¹Lu-165



142

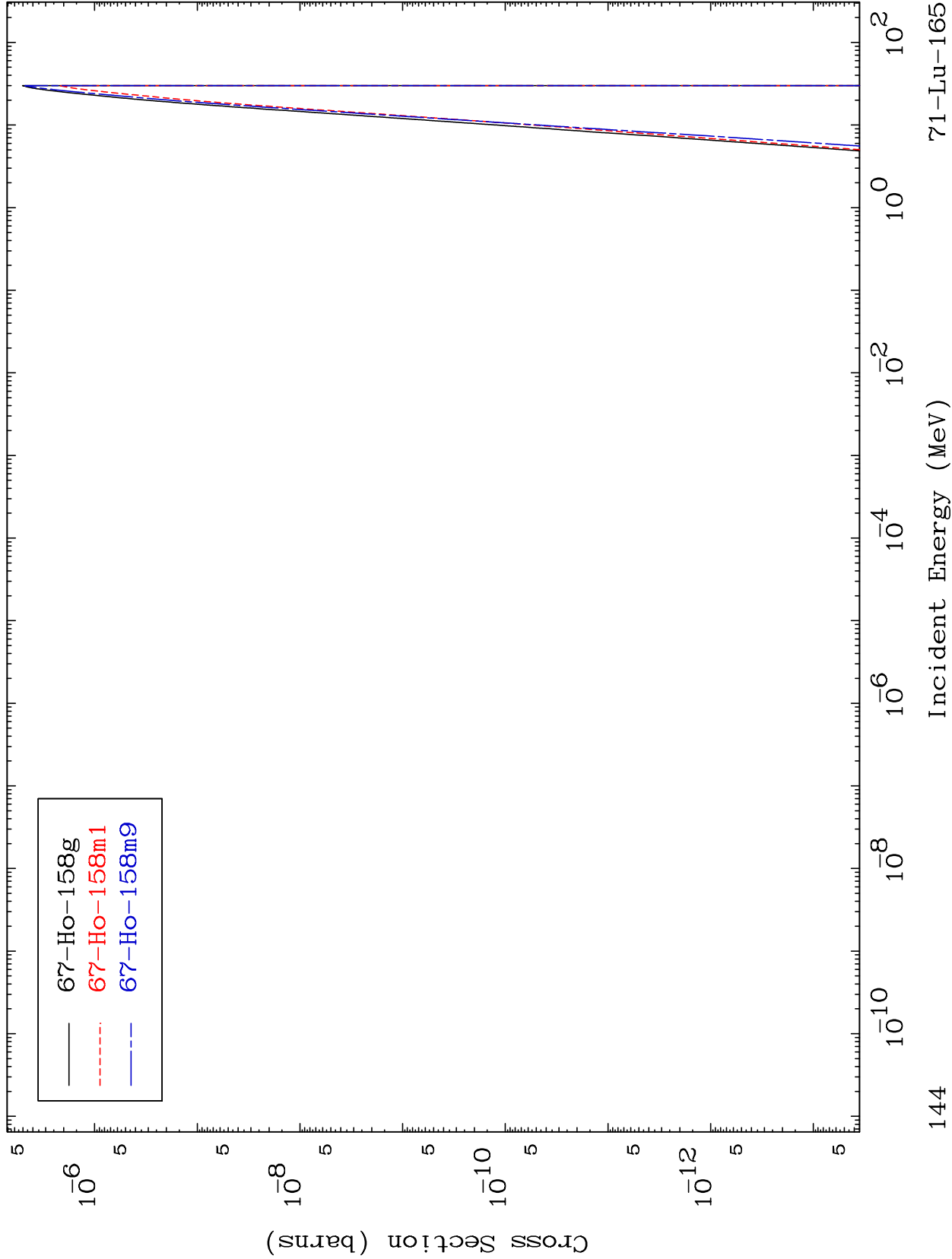


MAT 7095

(n,2α)

⁷¹Lu-165

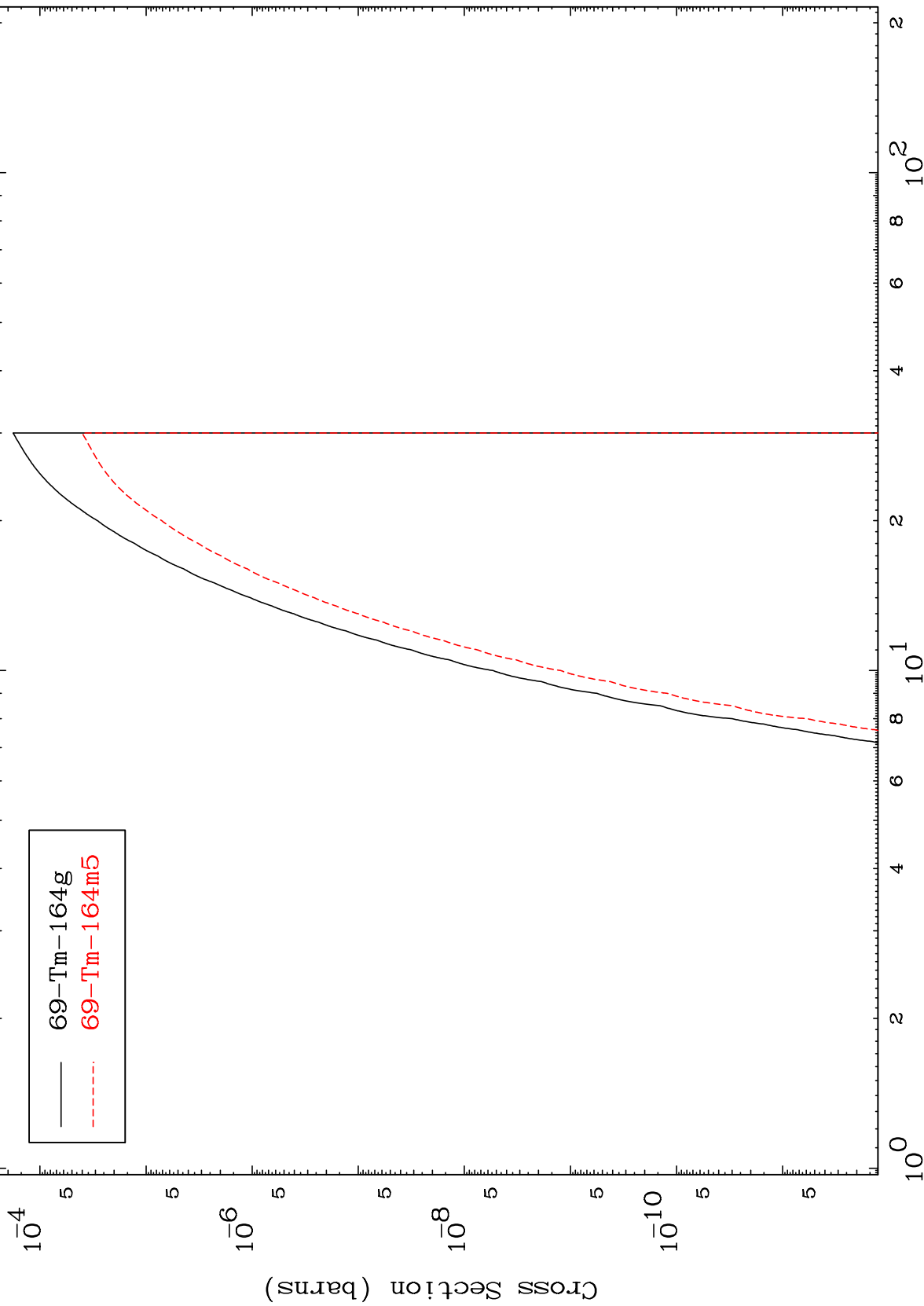
Radionuclide Production Cross Section



MAT 7095

71-Lu-165

(n,2p)
Radionuclide Production Cross Section



Incident Energy (MeV)

71-Lu-165

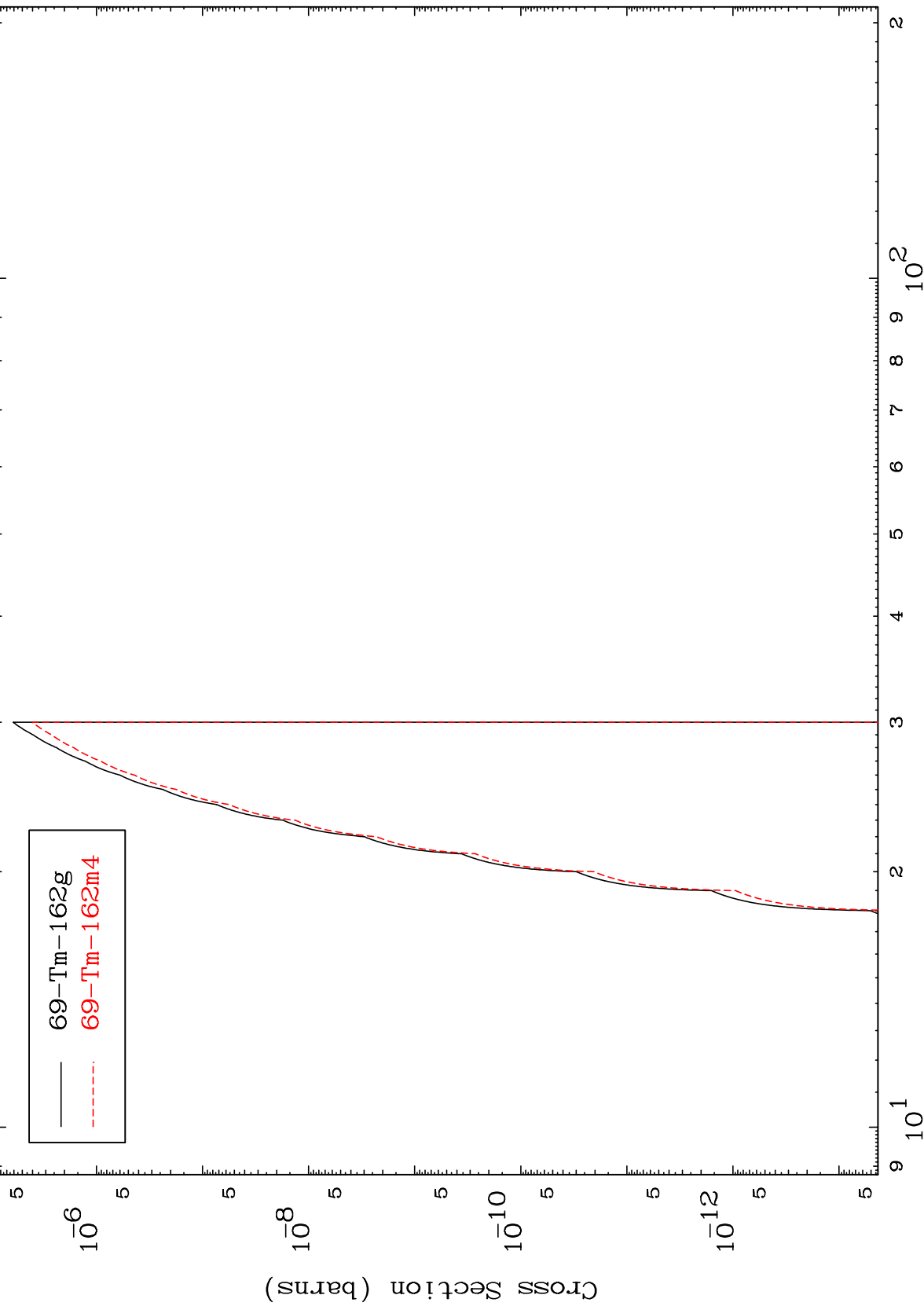
145

MAT 7095

(n,p) t

71-Lu-165

Radionuclide Production Cross Section



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

146

Incident Energy (MeV)

71-Lu-165