

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

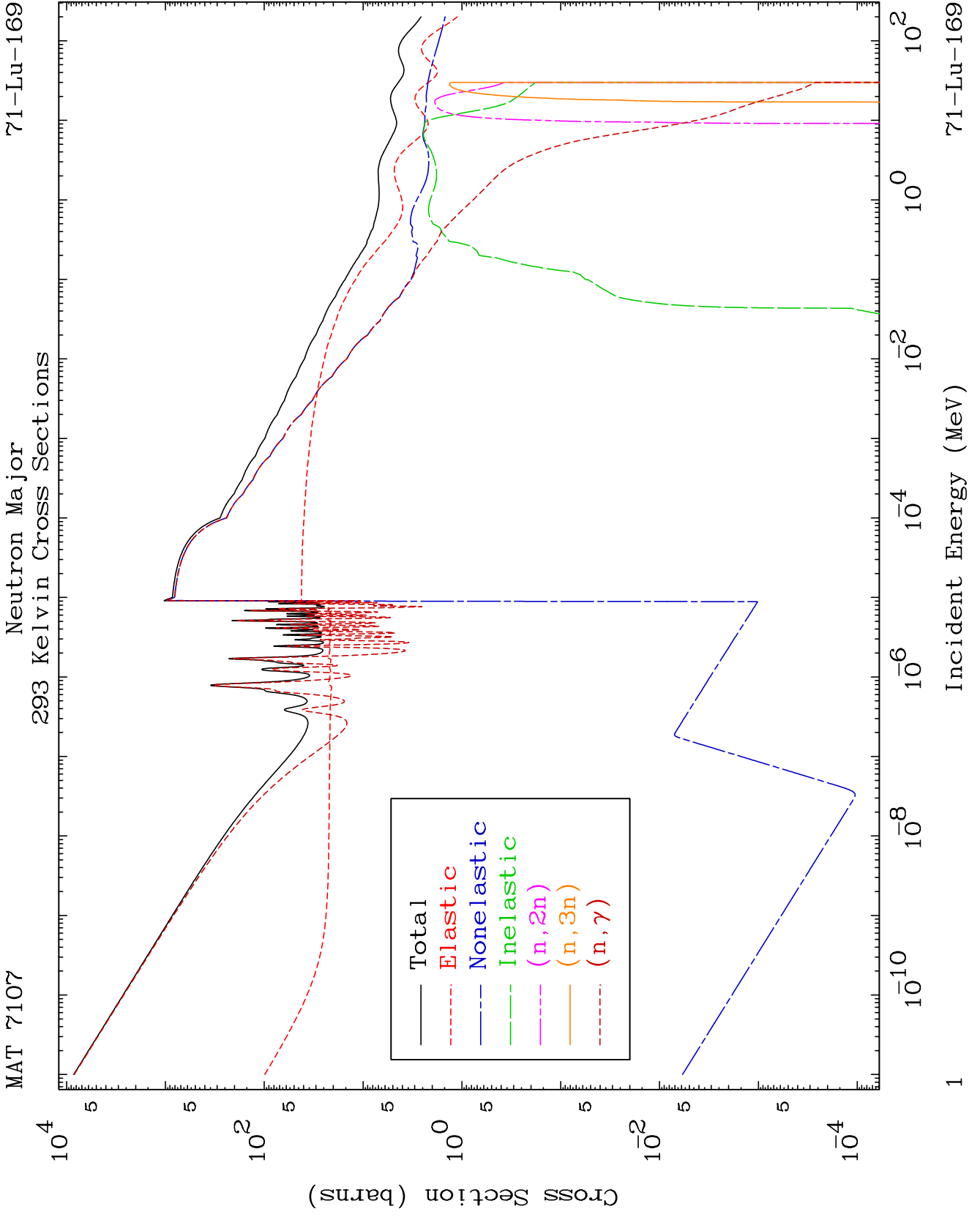
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

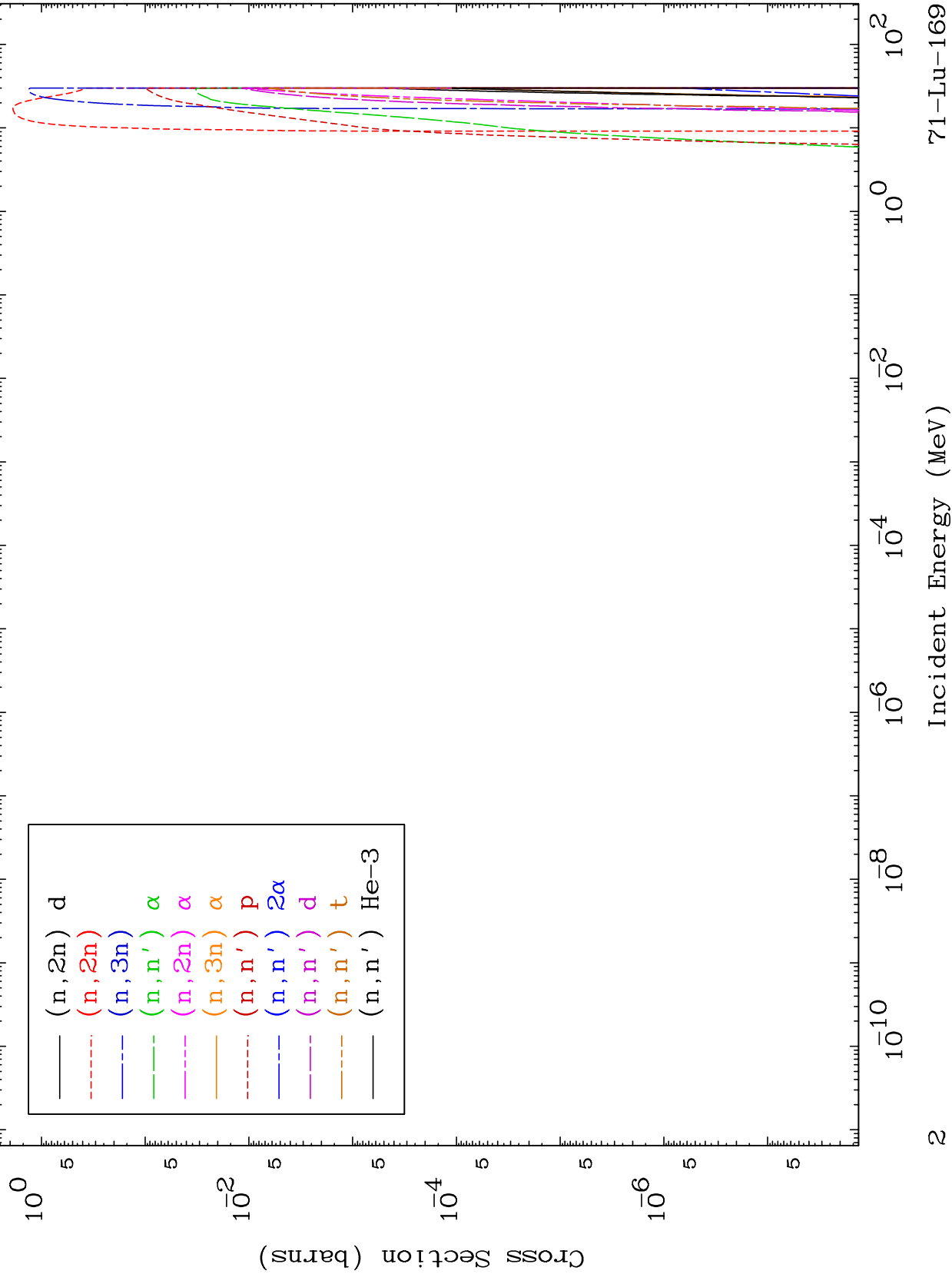
Press Mouse Button to Start



MAT 7107

Neutron Absorption
293 Kelvin Cross Sections

71-Lu-169



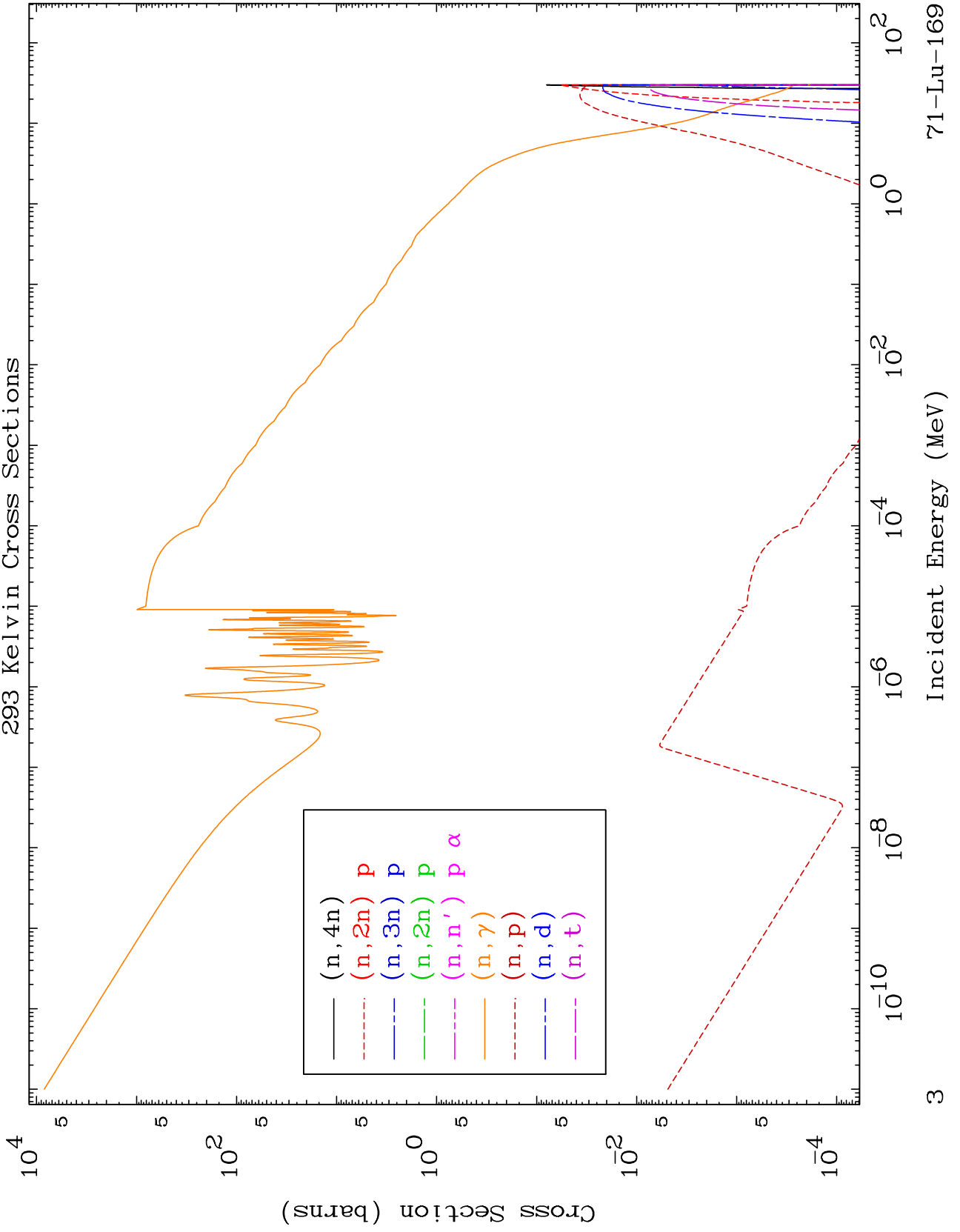
71-Lu-169

Incident Energy (MeV)

MAT 7107

Neutron Absorption
293 Kelvin Cross Sections

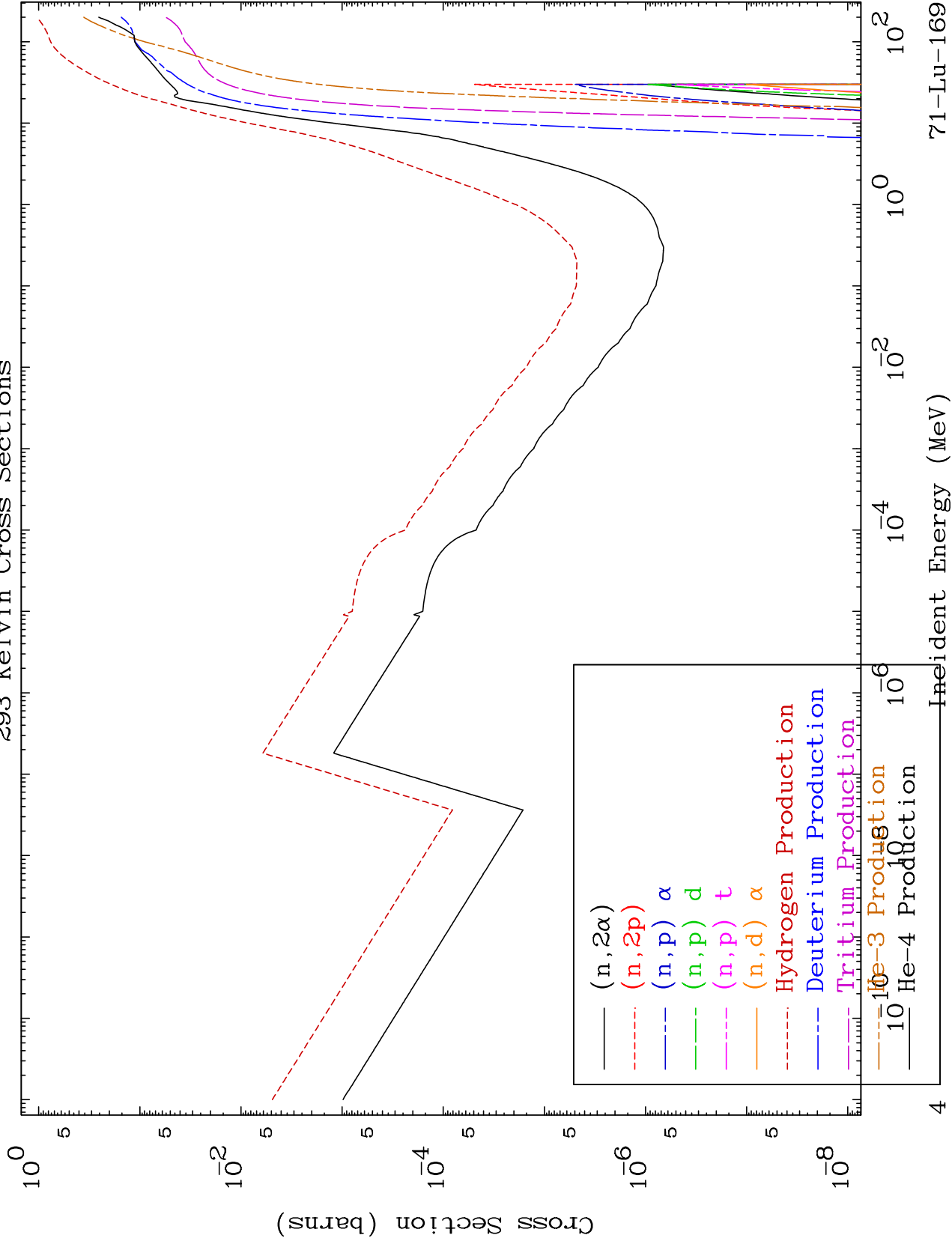
71-Lu-169



MAT 7107

Neutron Absorption
293 Kelvin Cross Sections

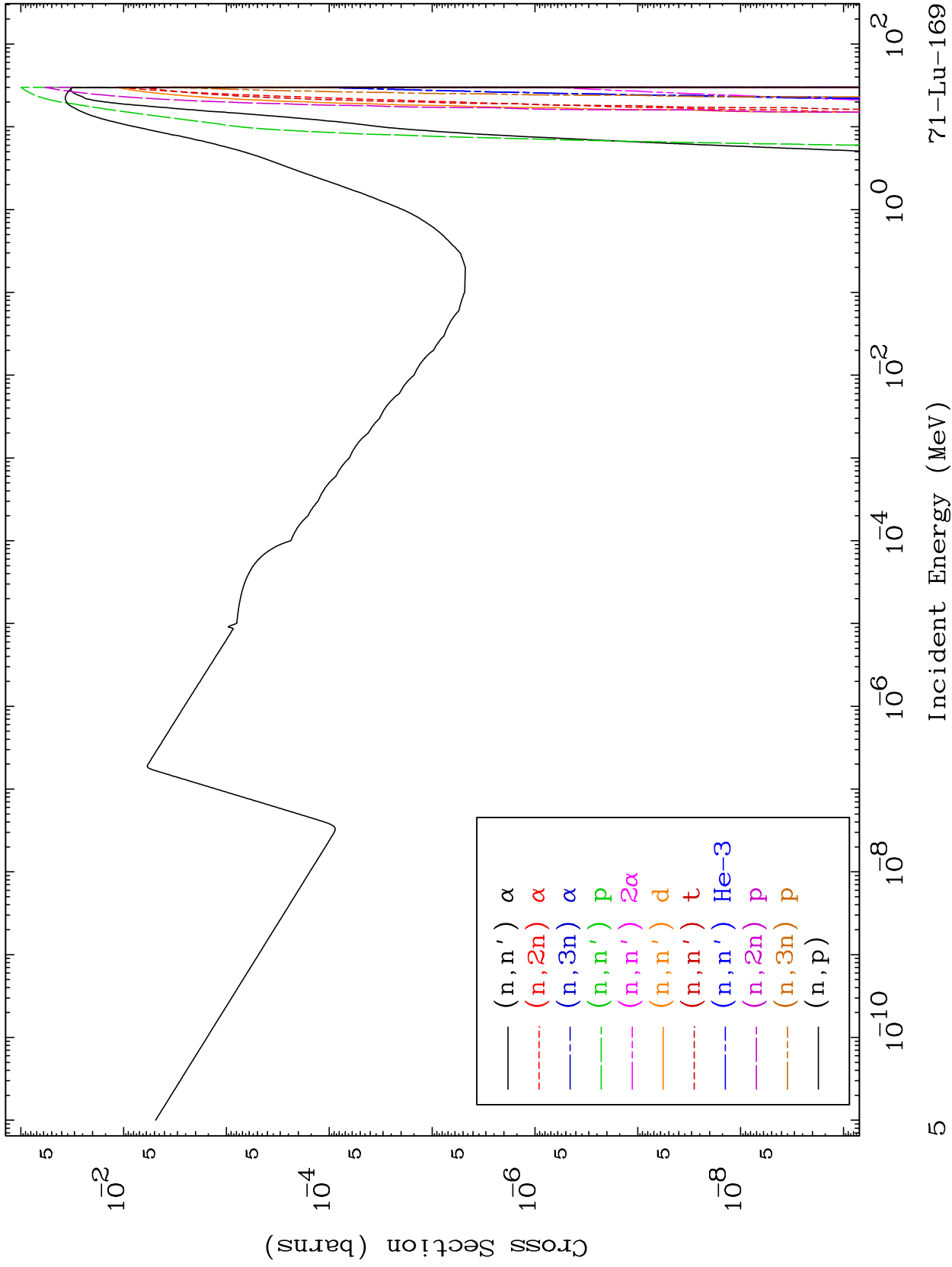
71-Lu-169



MAT 7107

Charged Particle
293 Kelvin Cross Sections

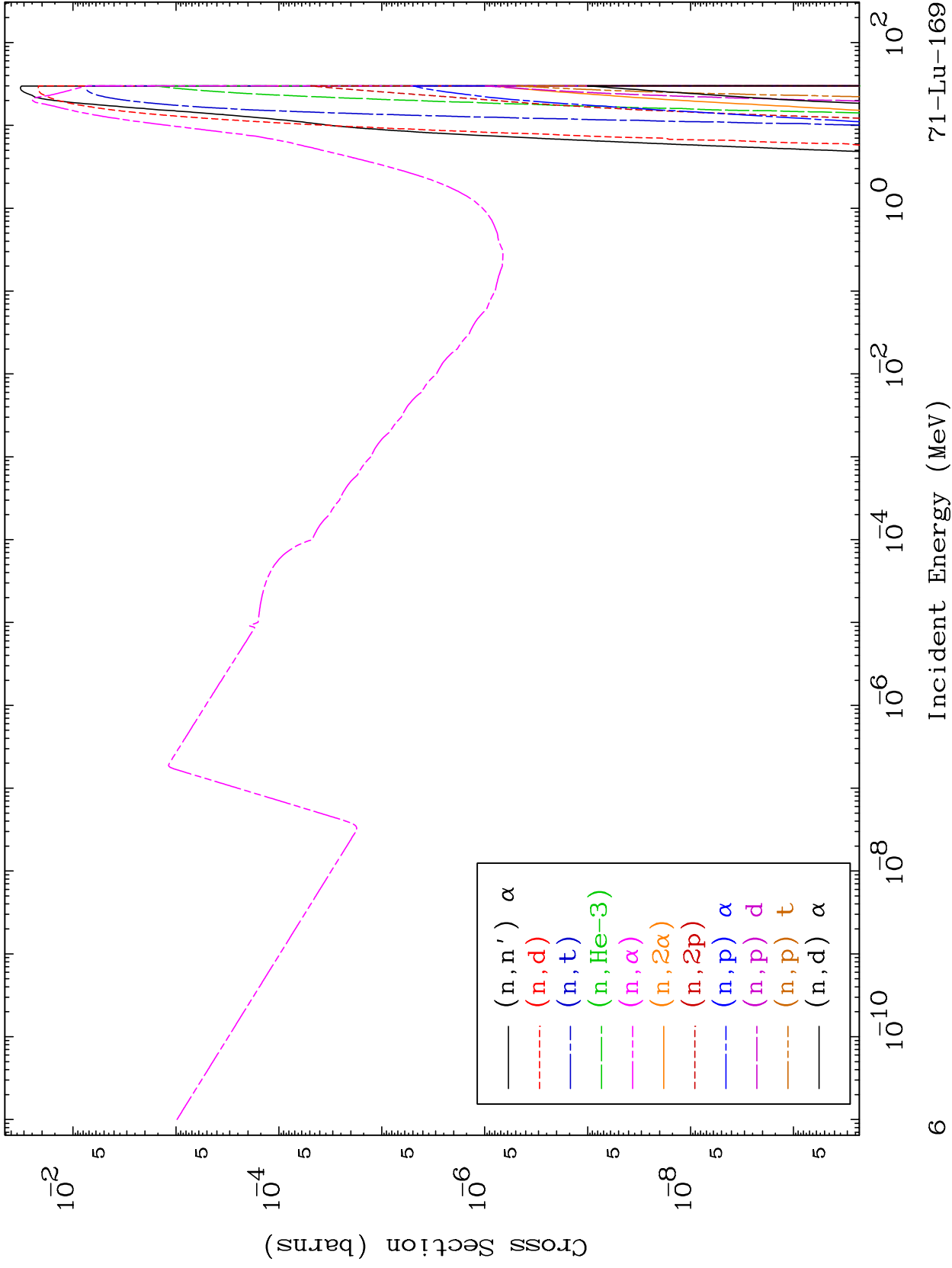
71-Lu-169

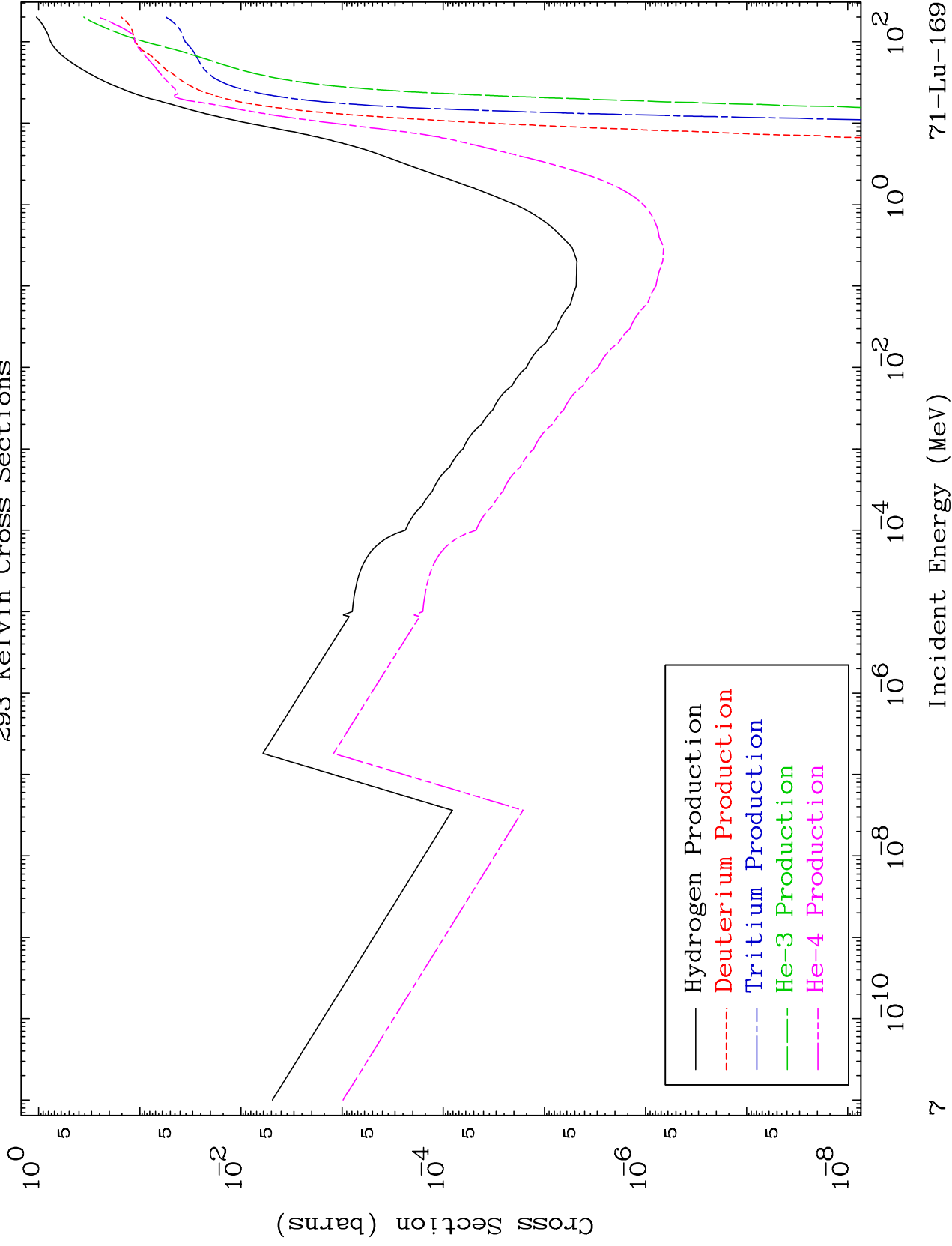


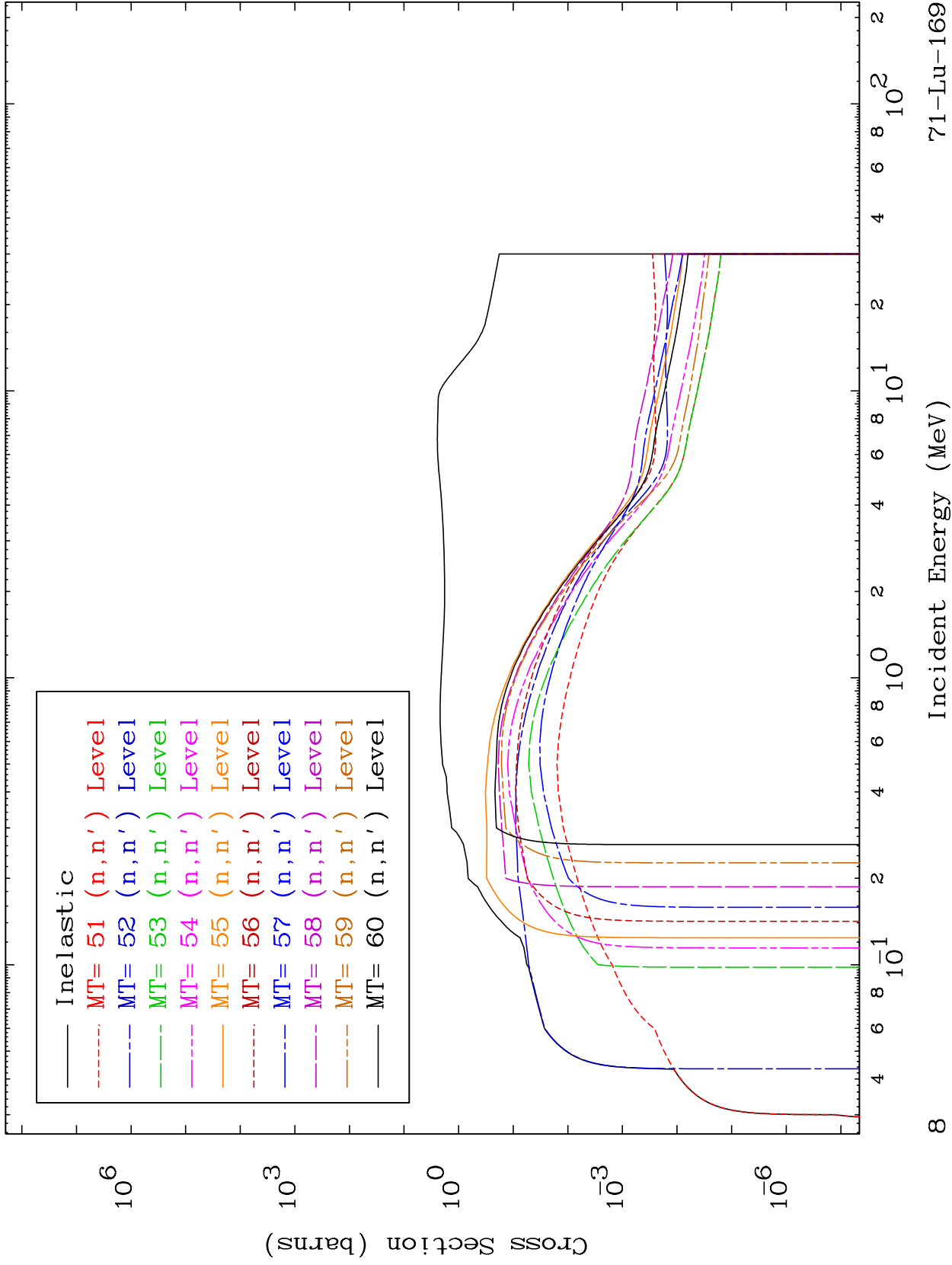
MAT 7107

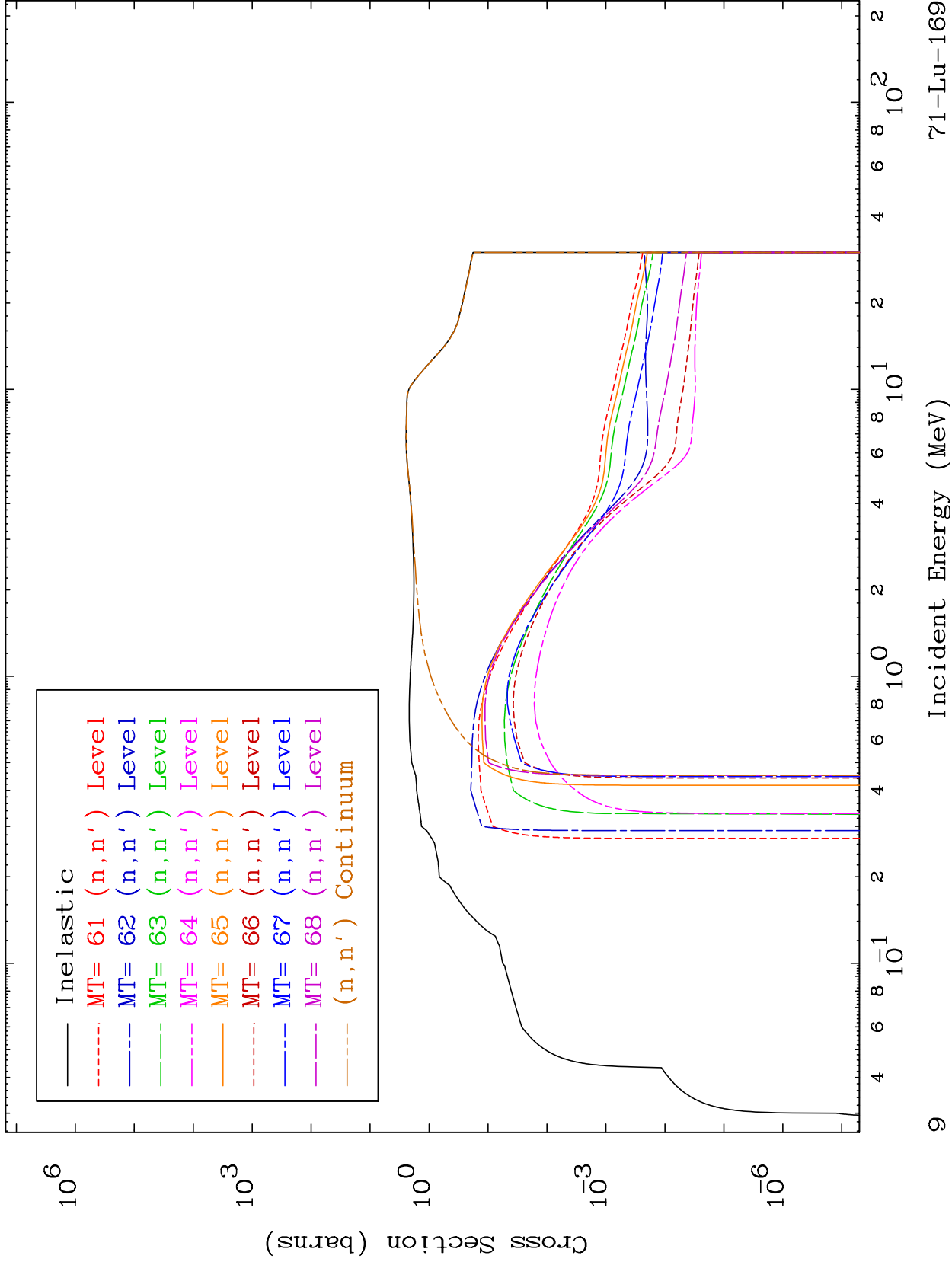
Charged Particle
293 Kelvin Cross Sections

71-Lu-169





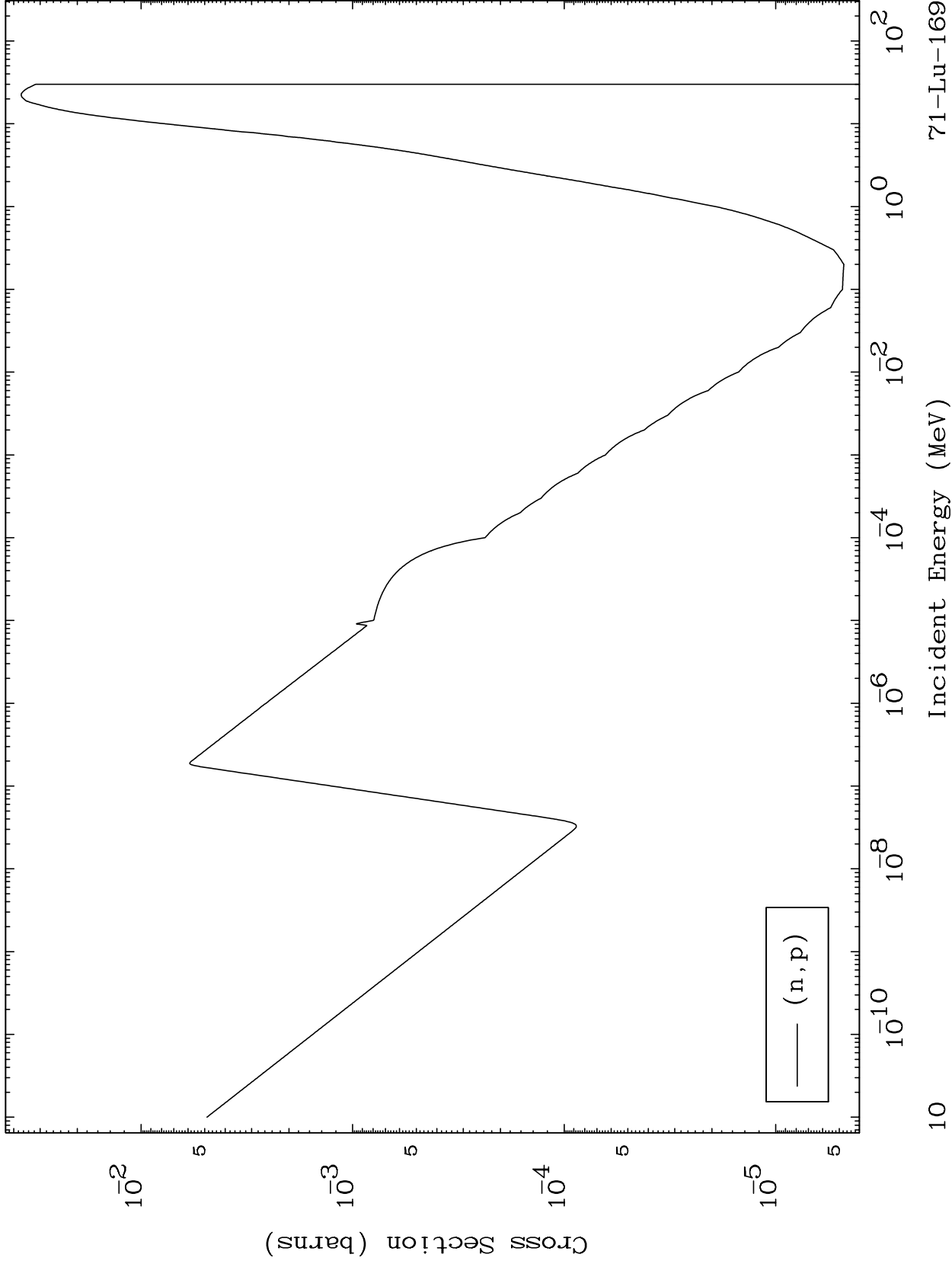




MAT 7107

(n,p) Levels
293 Kelvin Cross Sections

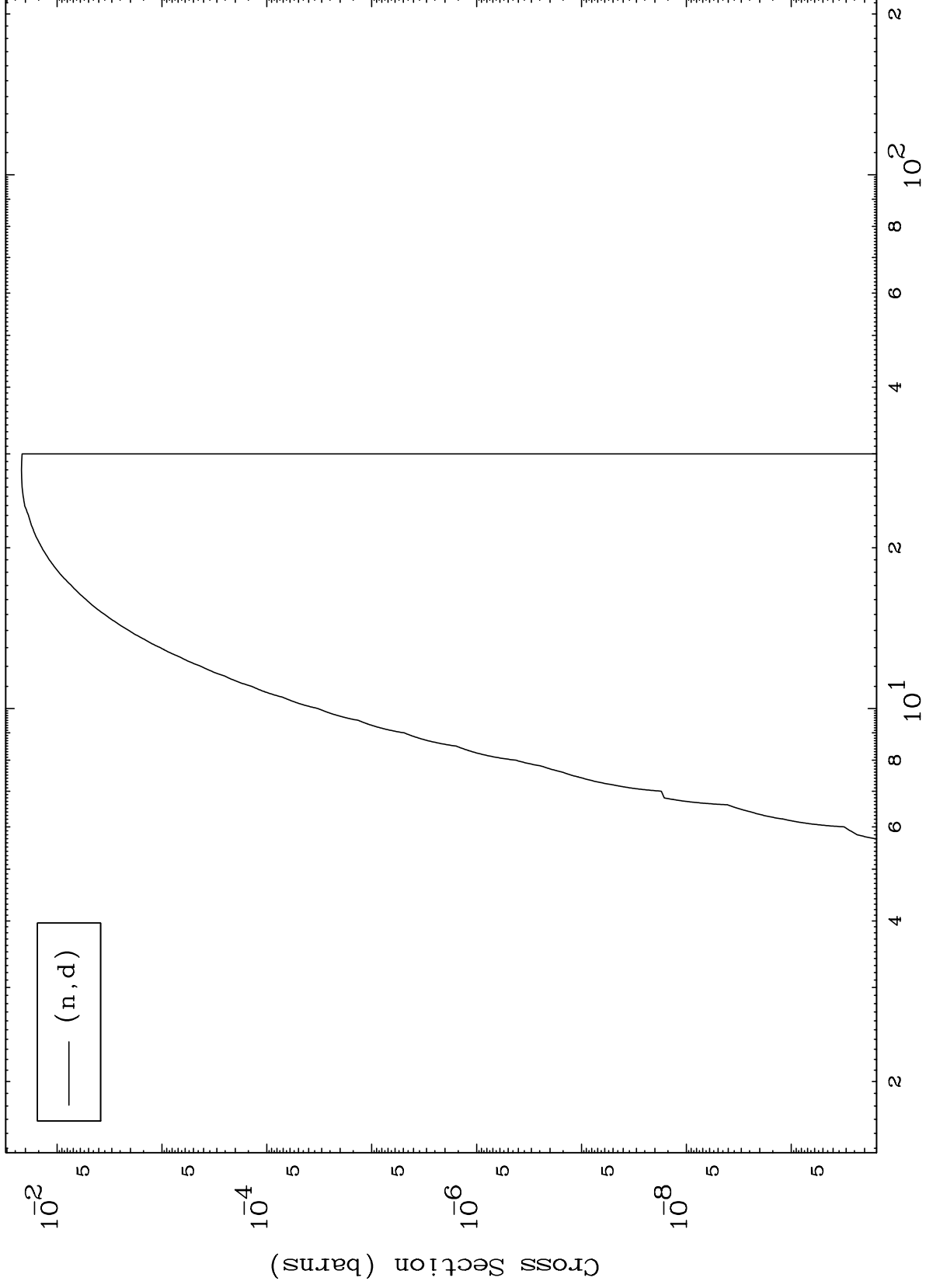
71-Lu-169



MAT 7107

(n,d) Levels
293 Kelvin Cross Sections

71-Lu-169



11

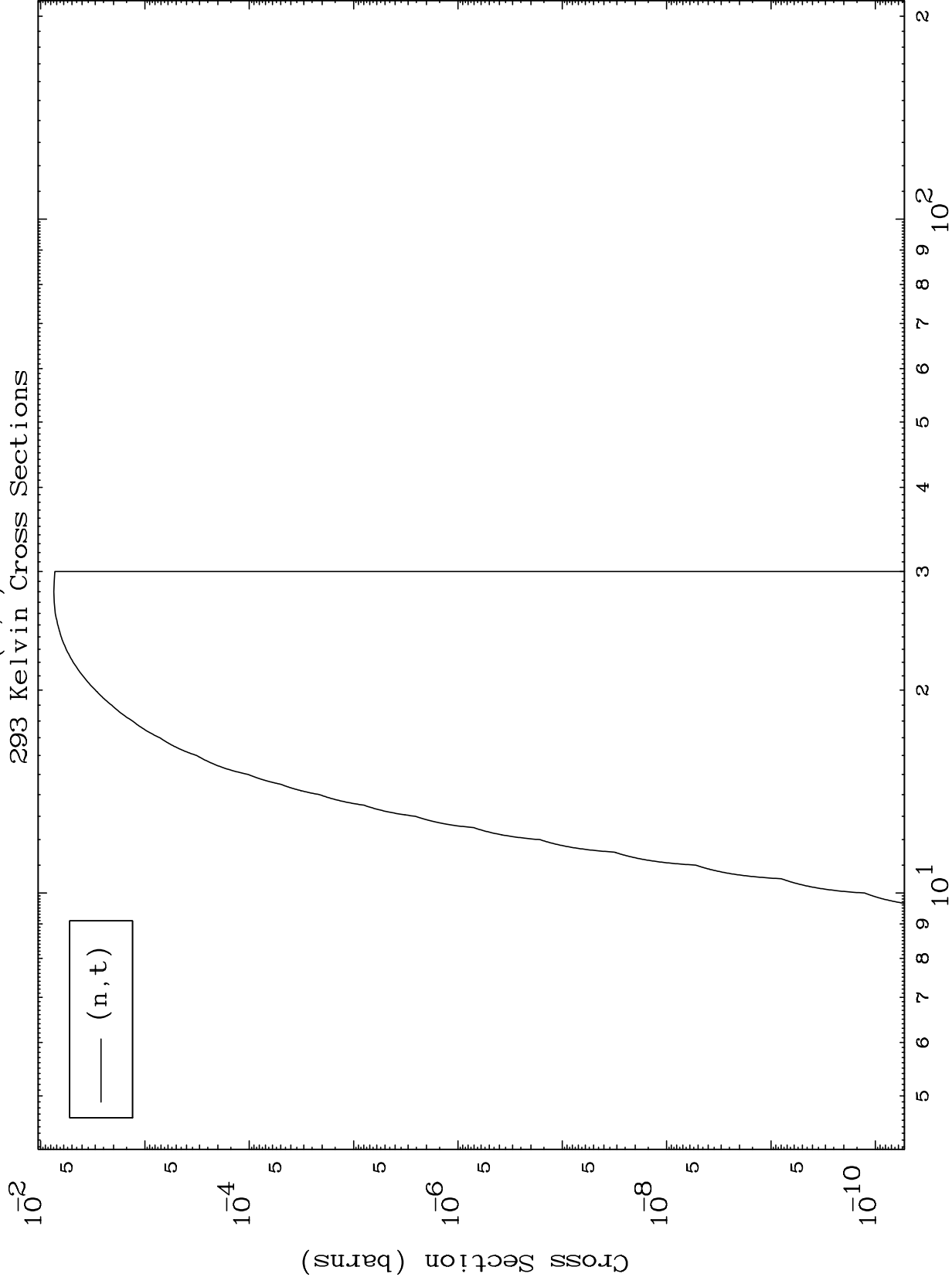
Incident Energy (MeV)

71-Lu-169

MAT 7107

(n,t) Levels
293 Kelvin Cross Sections

71-Lu-169



12

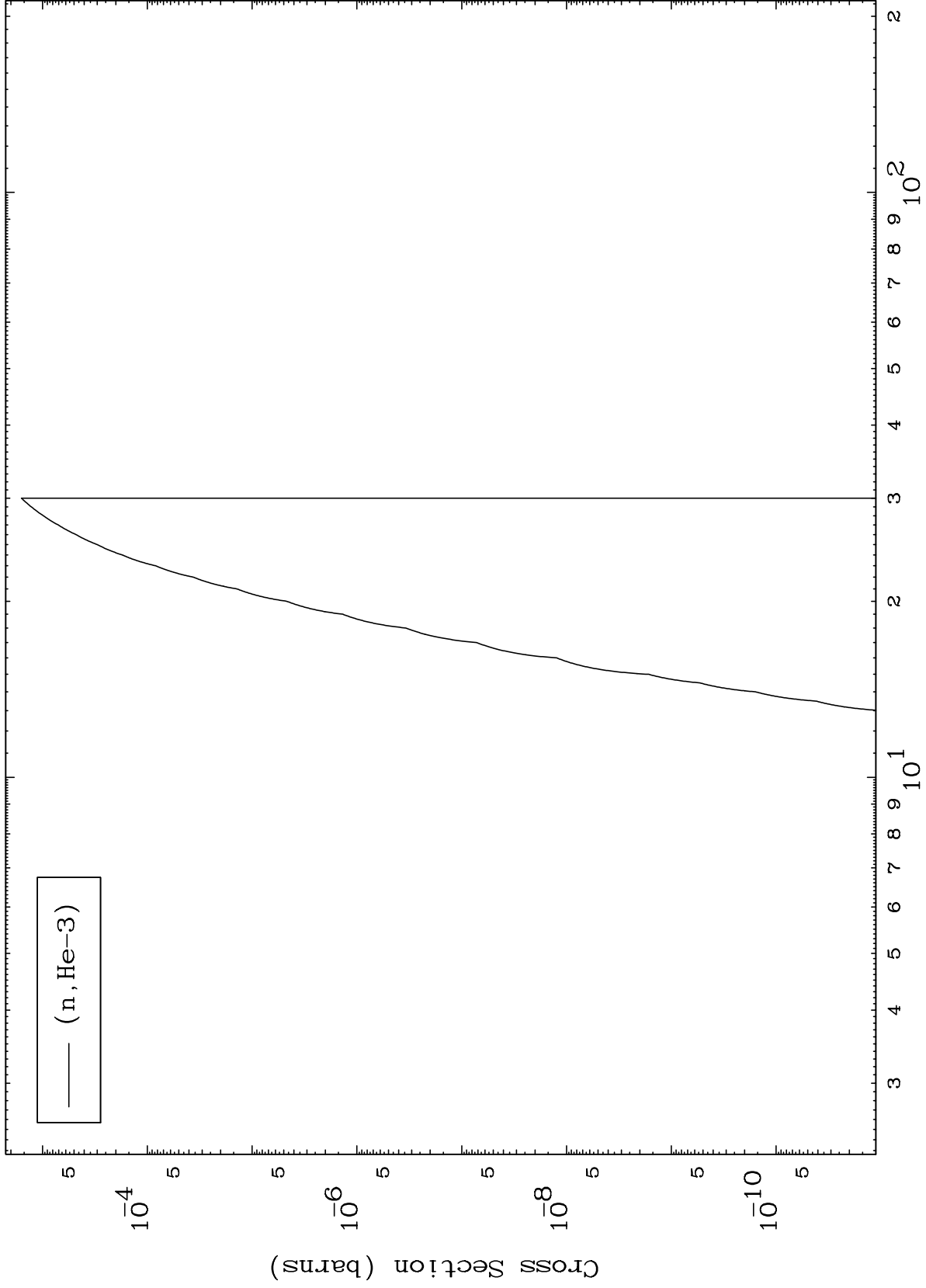
Incident Energy (MeV)

71-Lu-169

MAT 7107

(n,He3) Levels
293 Kelvin Cross Sections

71-Lu-169



13

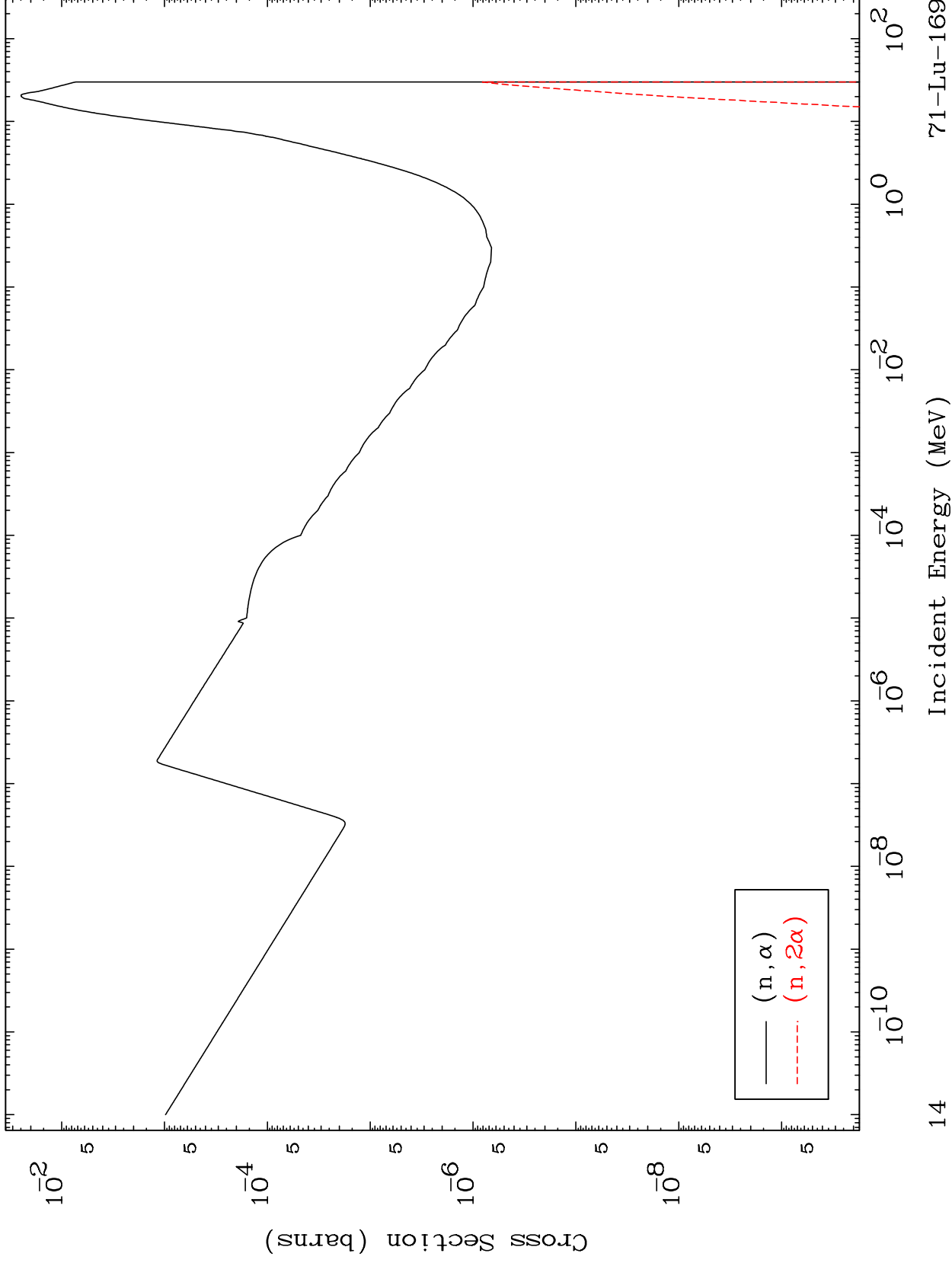
Incident Energy (MeV)

71-Lu-169

MAT 7107

(n, α) Levels
293 Kelvin Cross Sections

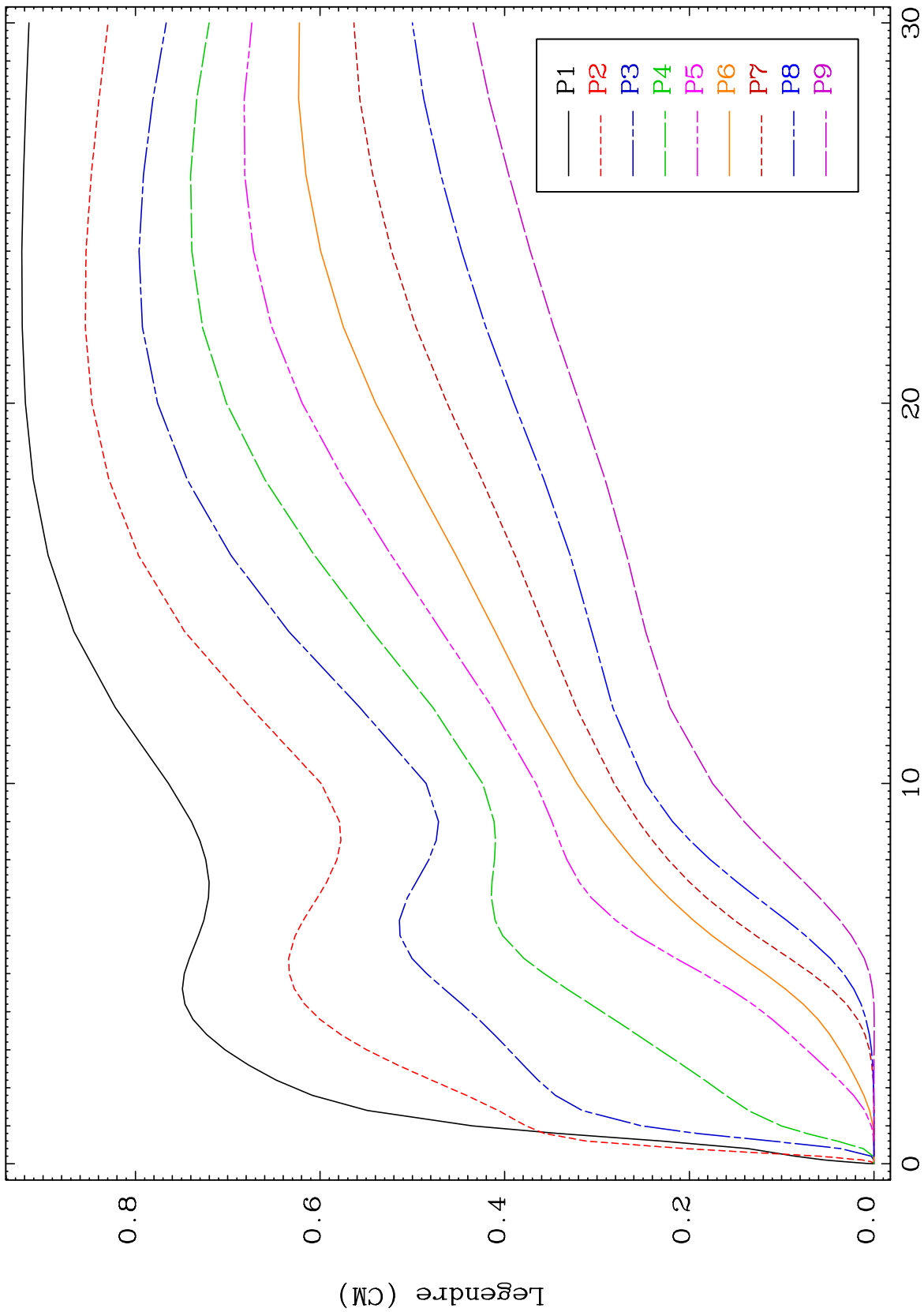
71-Lu-169



MAT 7107

71-Lu-169

Elastic Legendre Coefficients



15

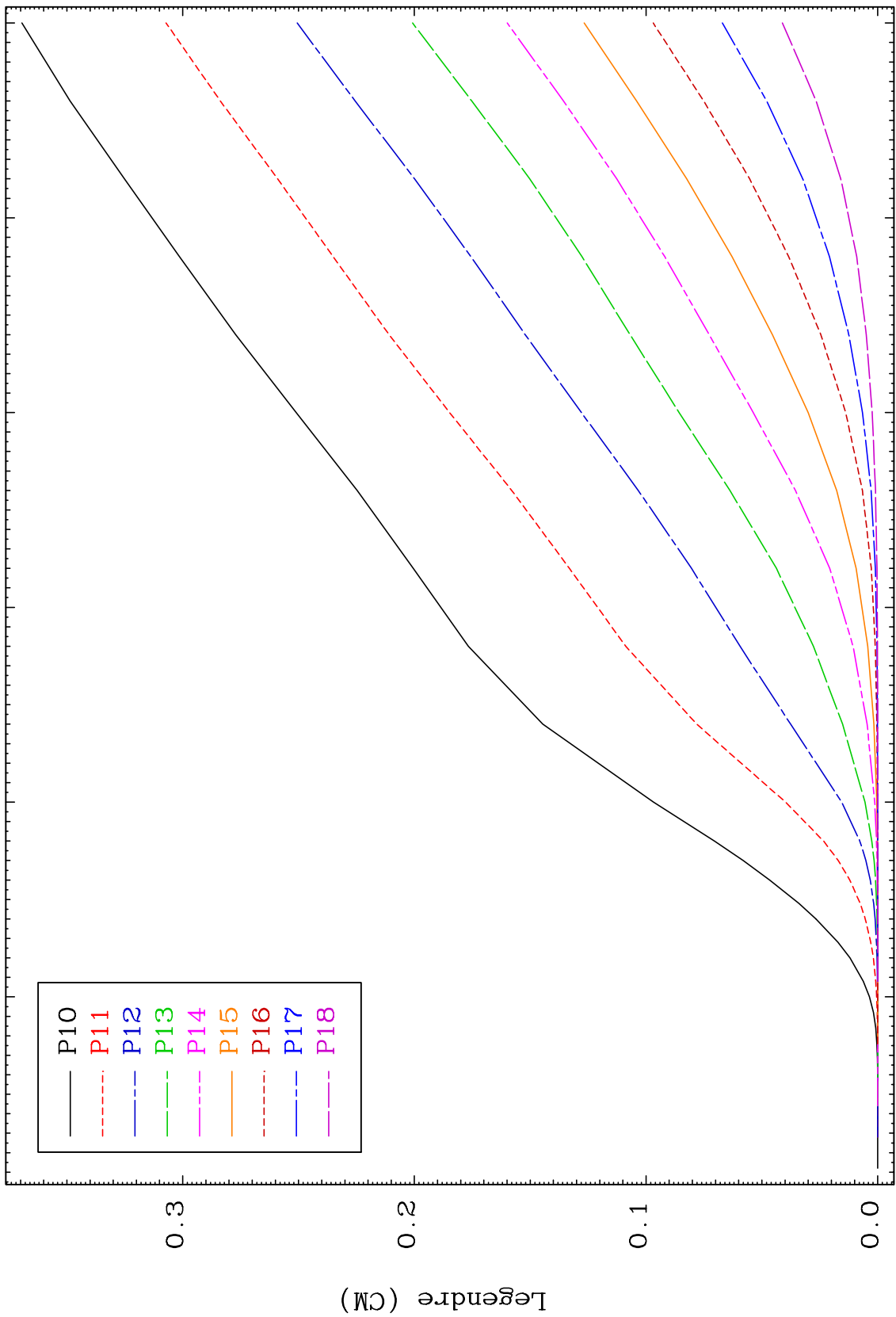
Incident Energy (MeV)

71-Lu-169

MAT 7107

Elastic Legendre Coefficients

⁷¹Lu-169



16

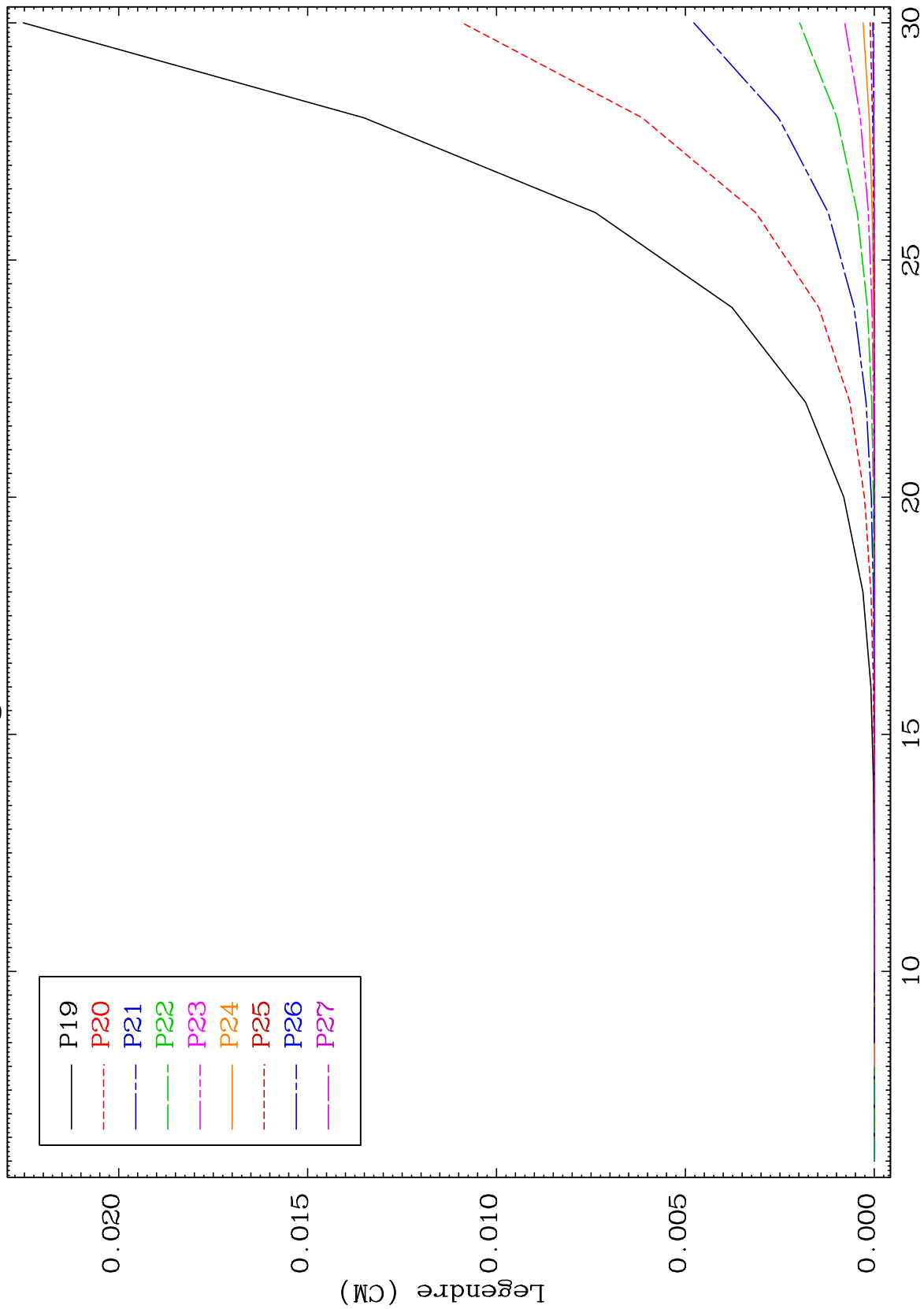
Incident Energy (MeV)

⁷¹Lu-169

MAT 7107

Elastic Legendre Coefficients

71-Lu-169



17

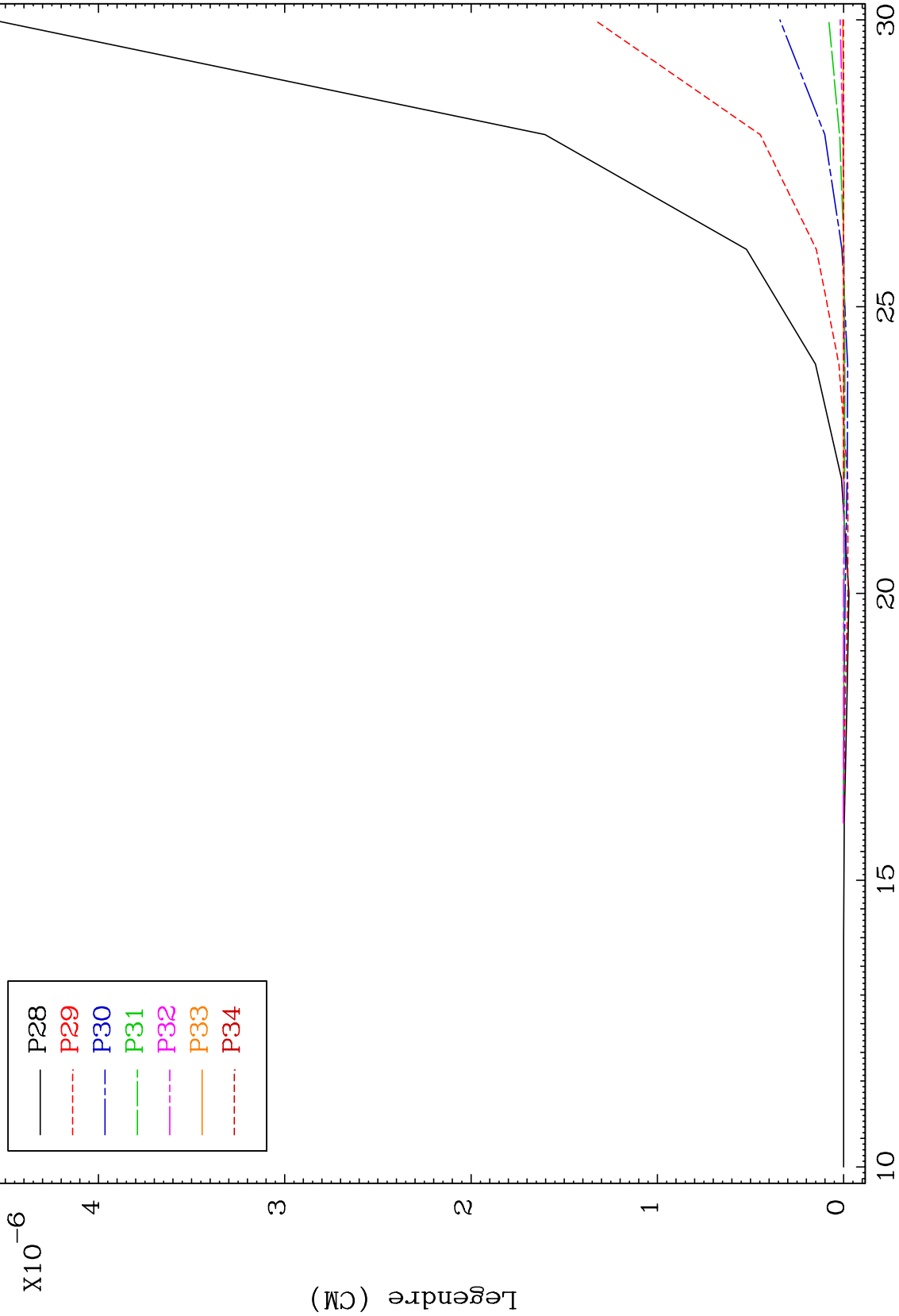
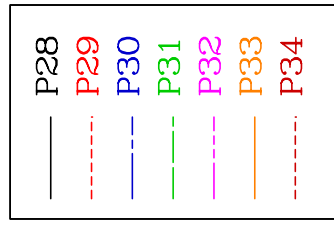
Incident Energy (MeV)

71-Lu-169

MAT 7107

Elastic
Legendre Coefficients

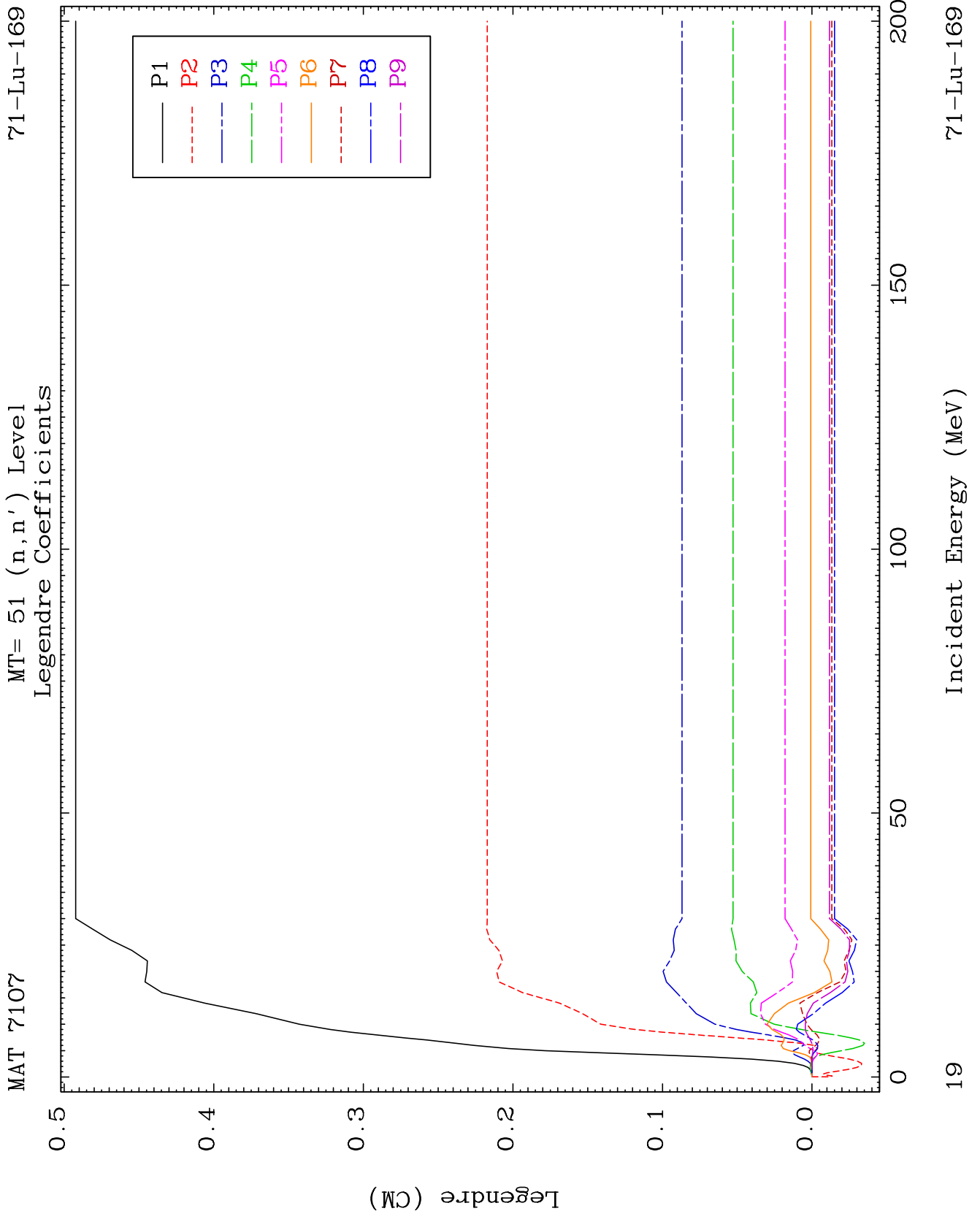
71-Lu-169



18

Incident Energy (MeV)

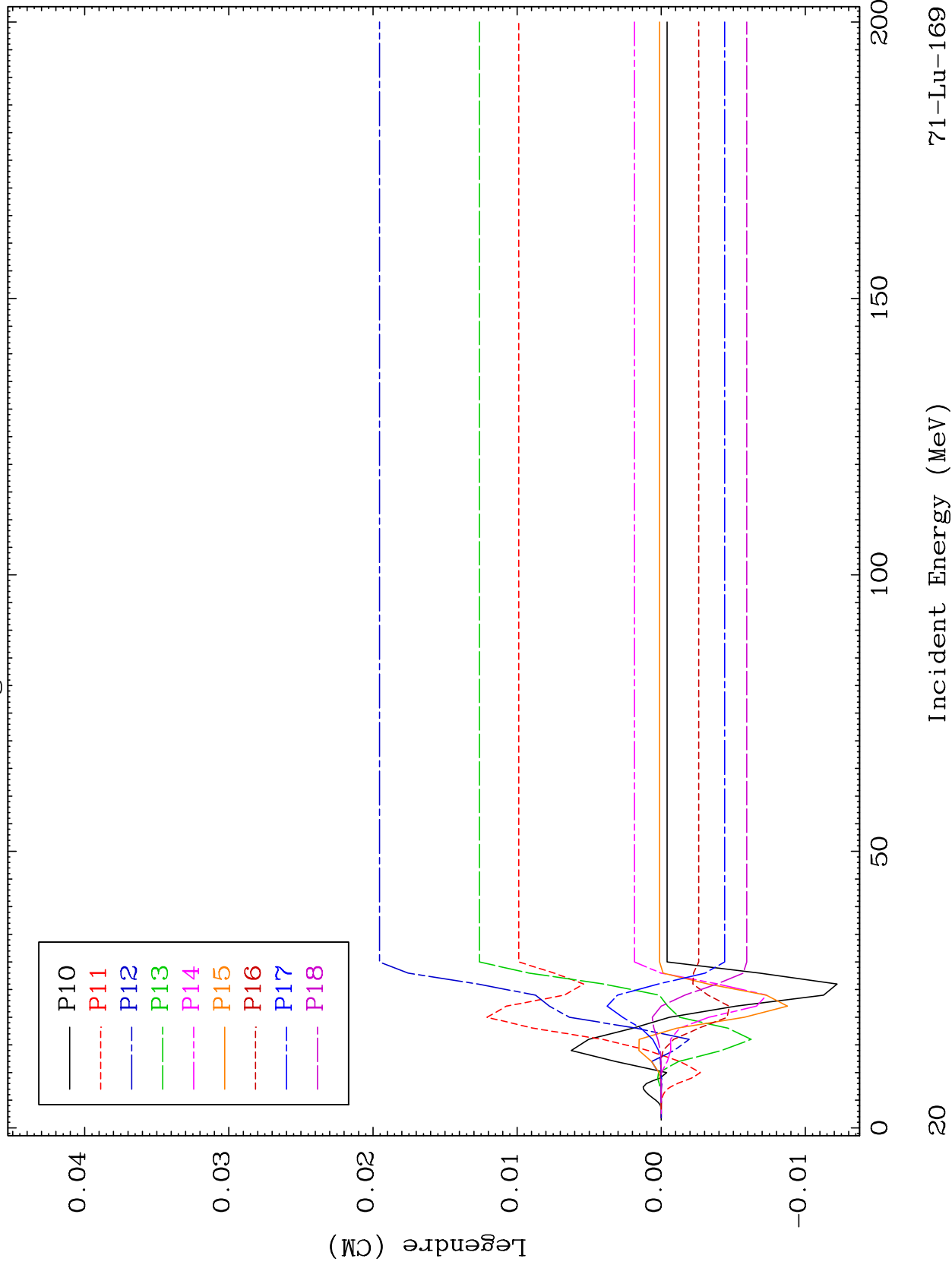
71-Lu-169

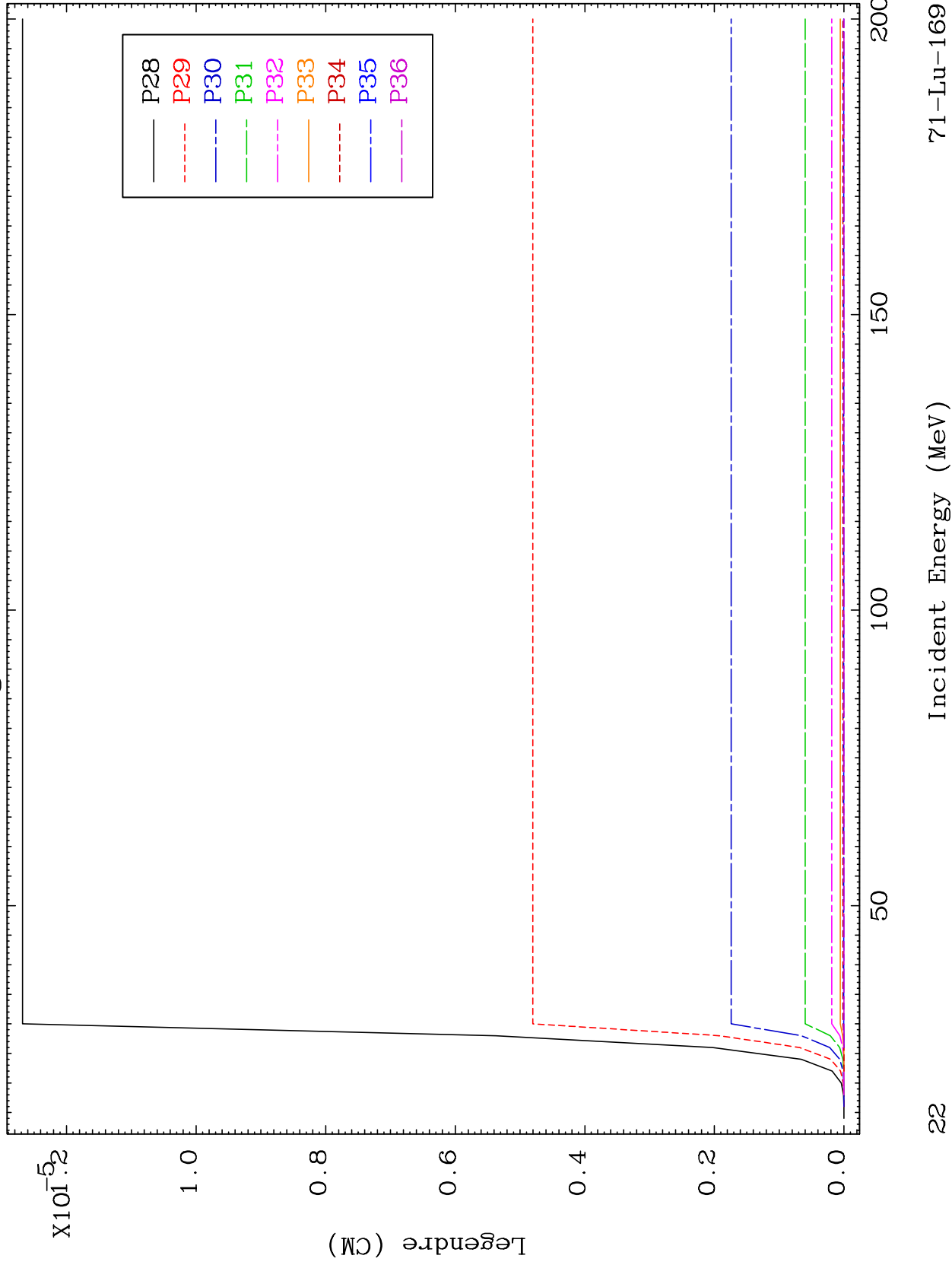


MAT 7107

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

71-Lu-169

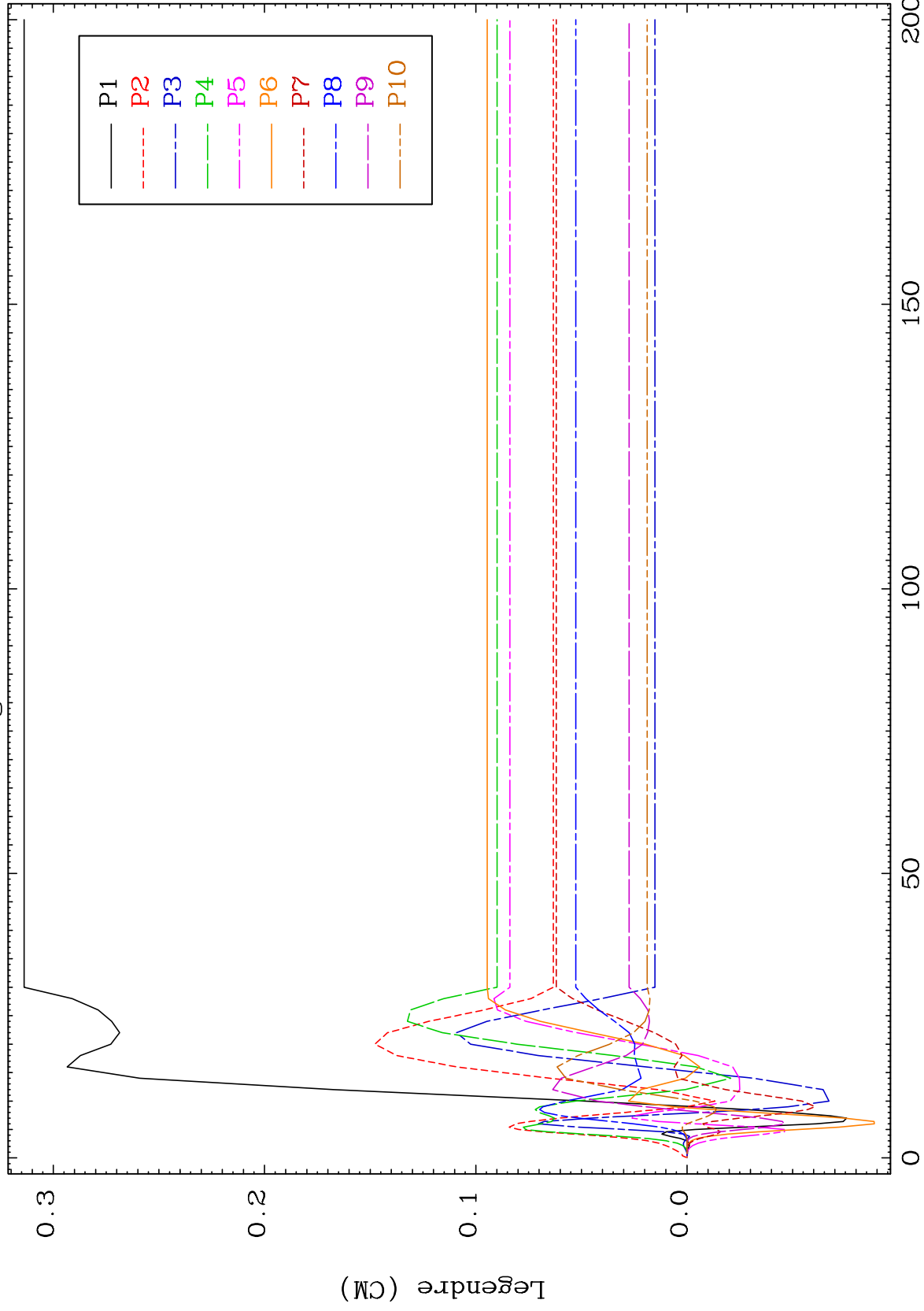




MAT 7107

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

71-Lu-169



23

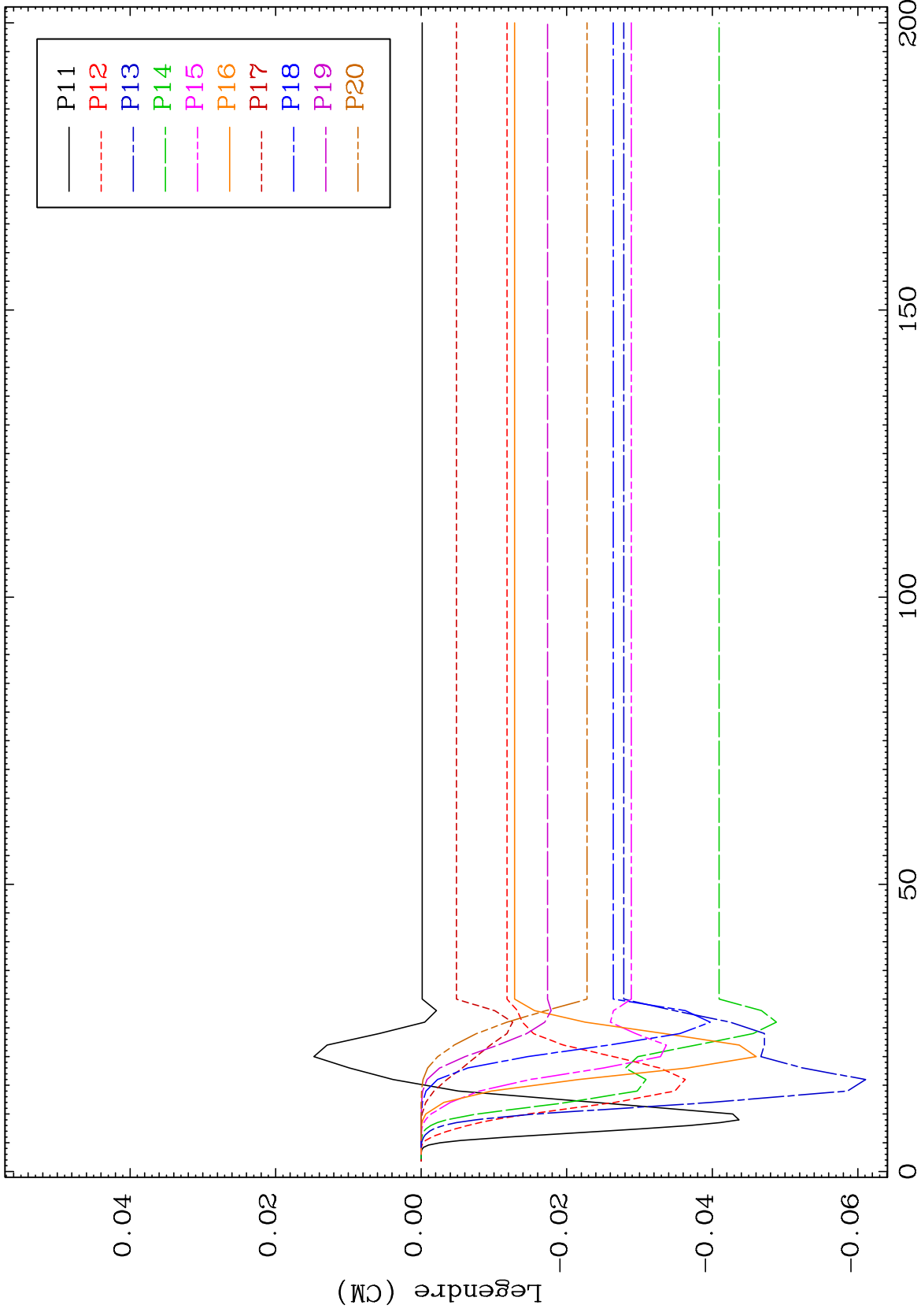
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

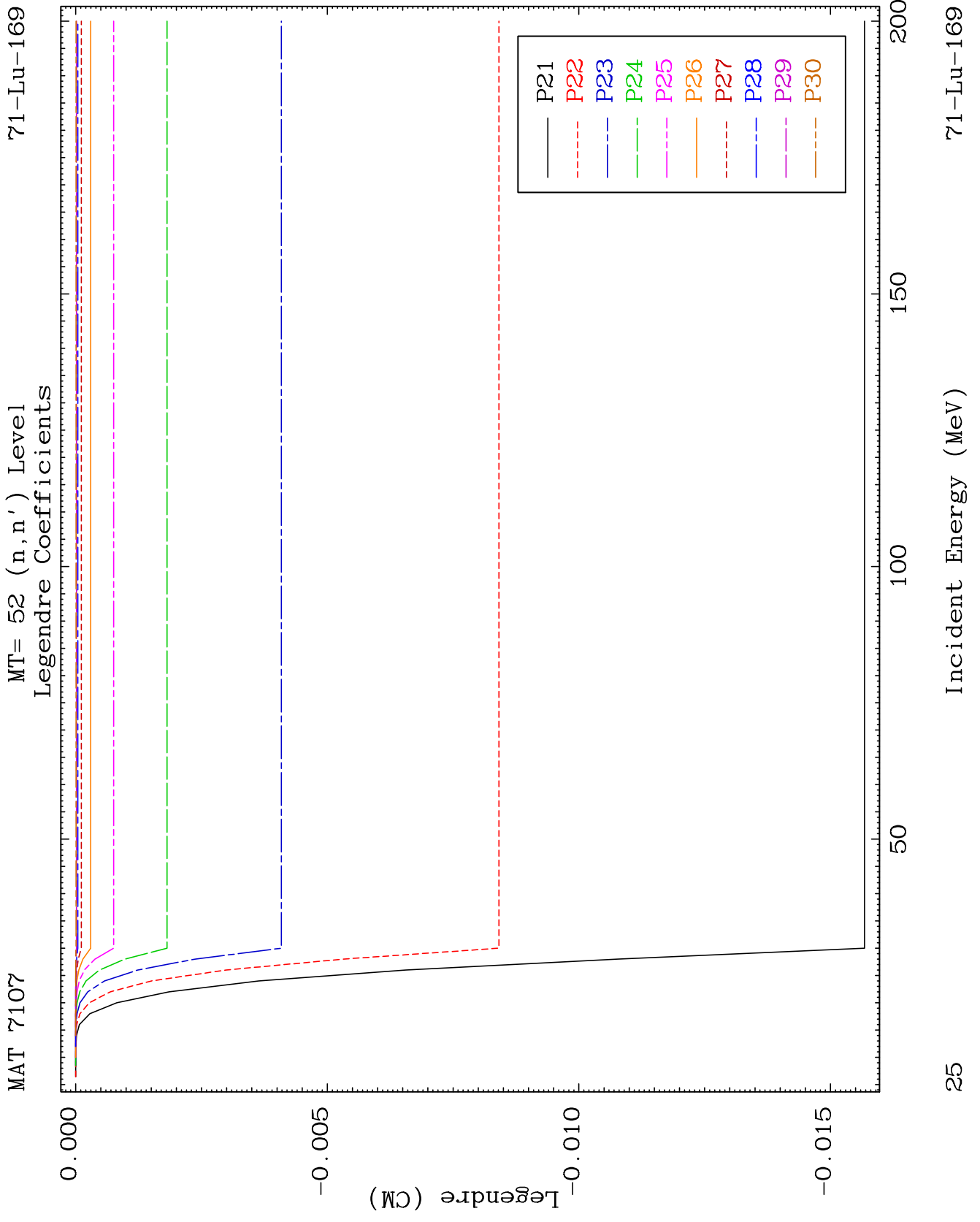
71-Lu-169



24

Incident Energy (MeV)

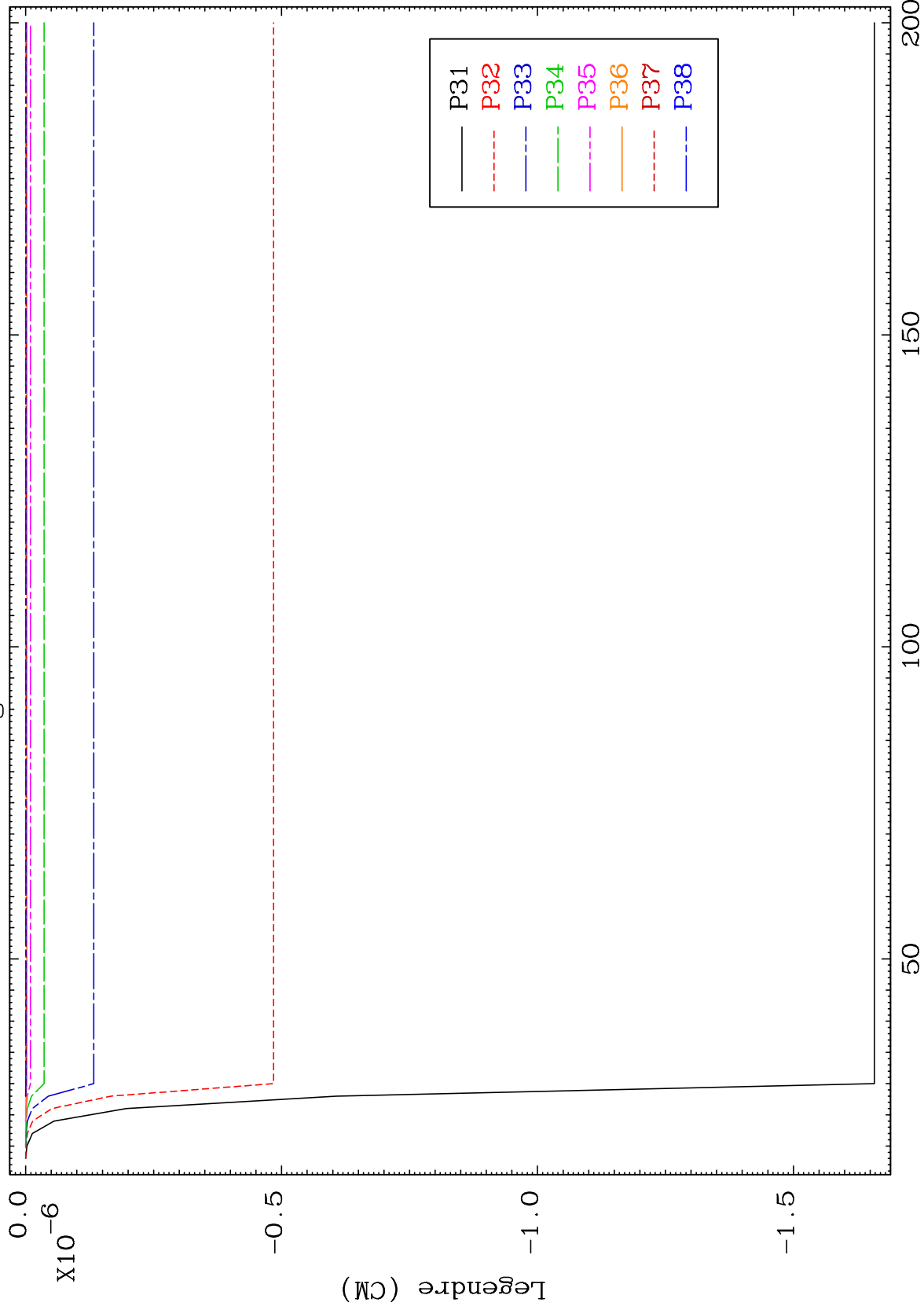
71-Lu-169

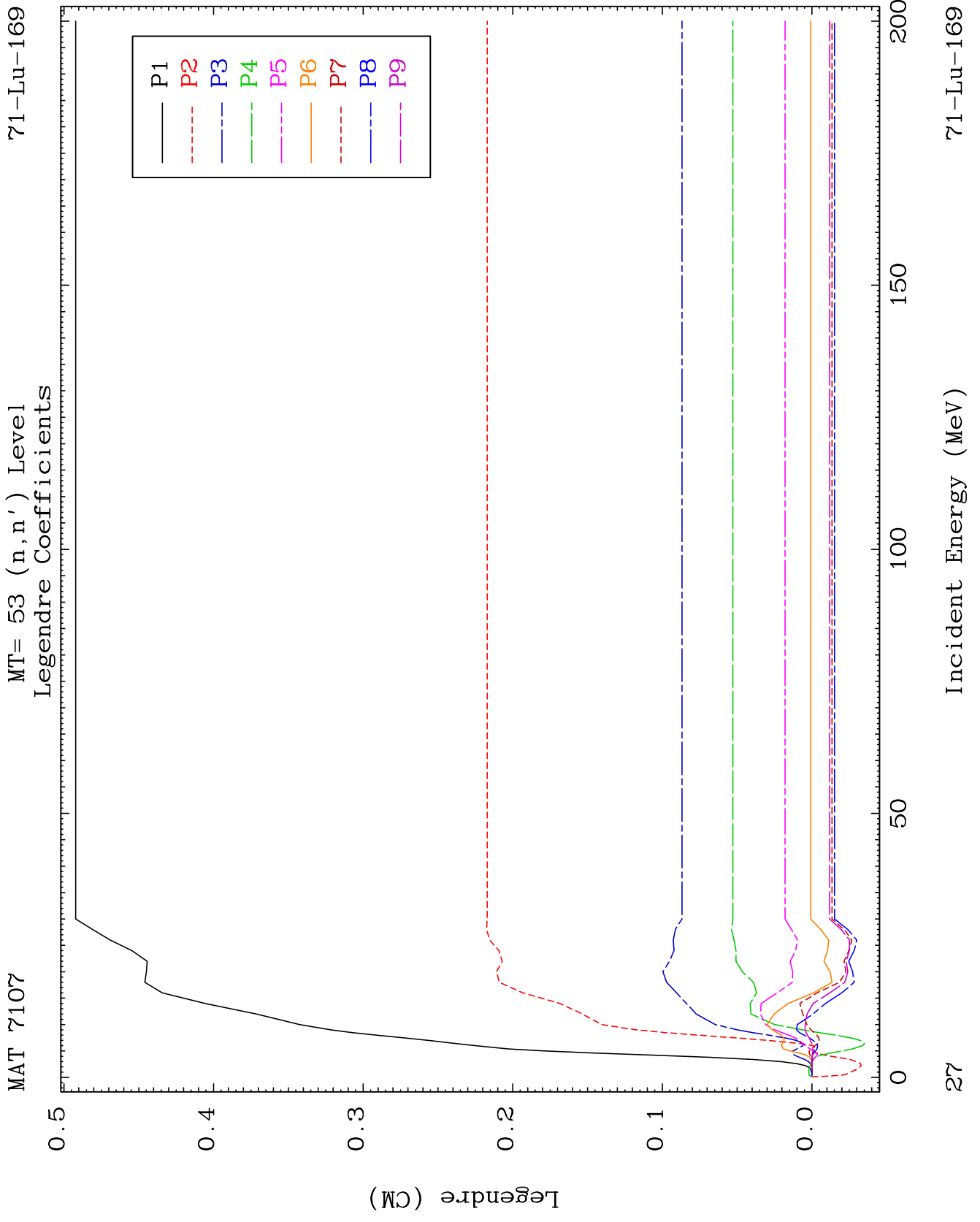


MAT 7107

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

71-Lu-169

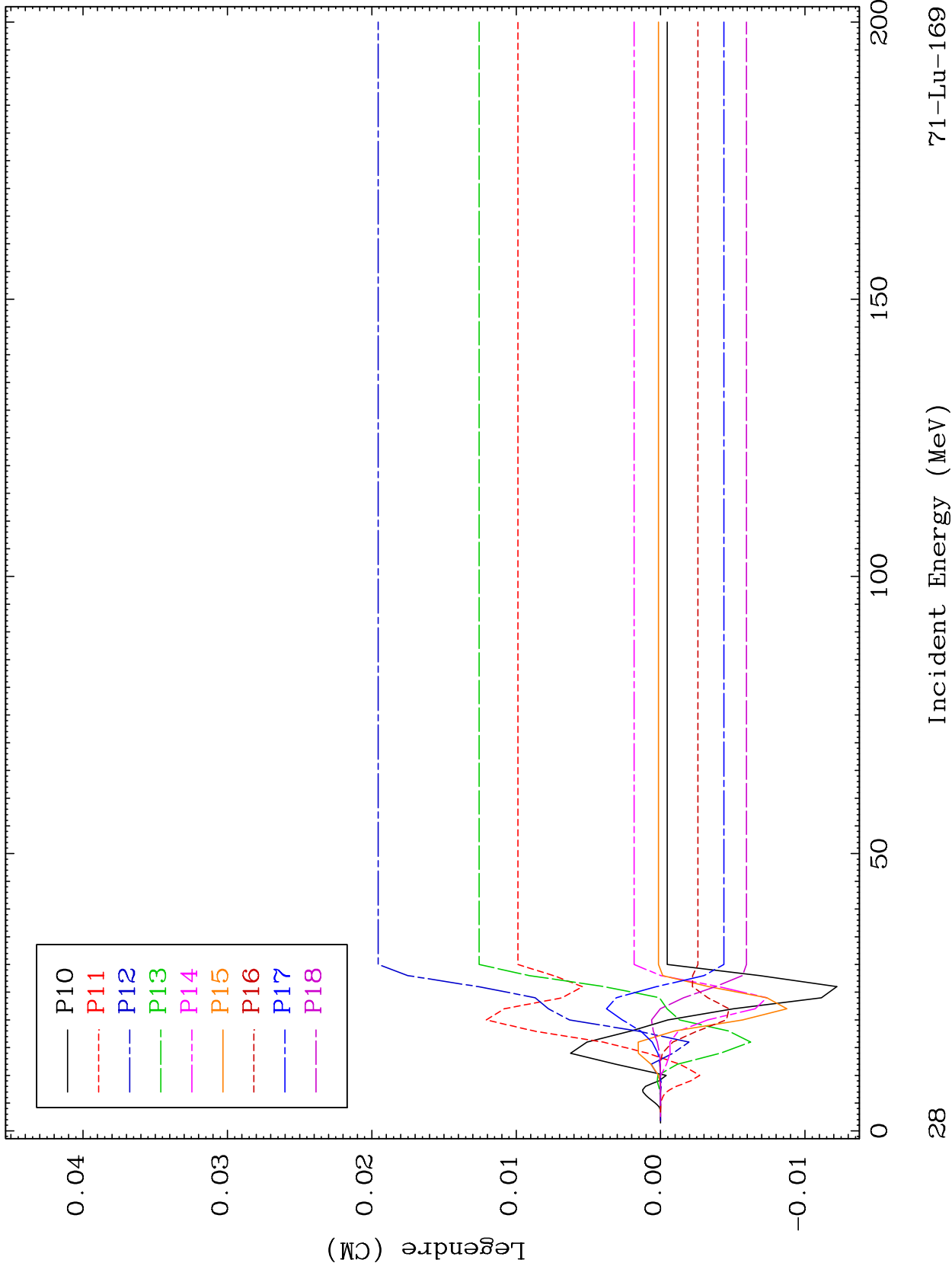




MAT 7107

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

71-Lu-169



28

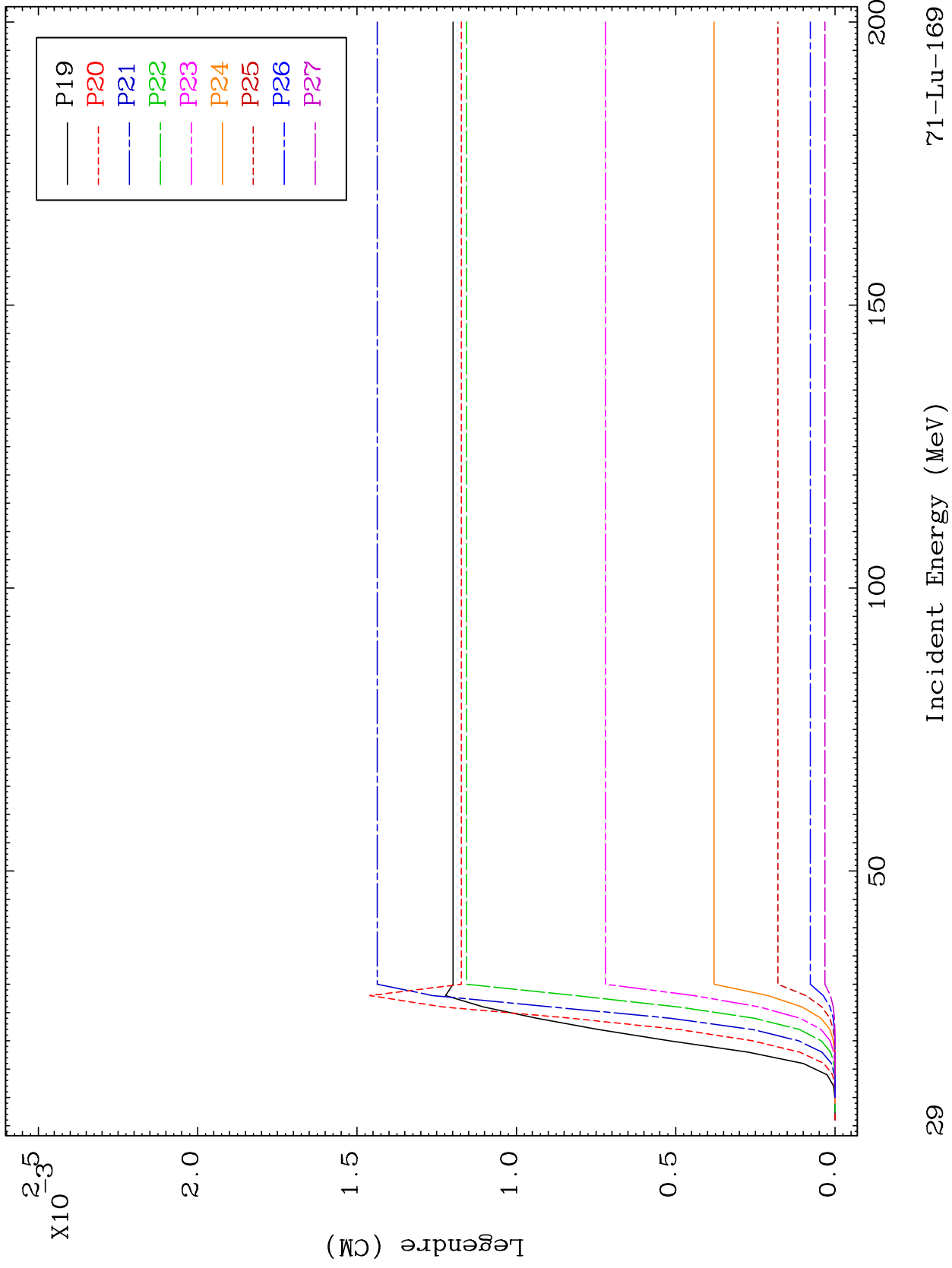
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



29

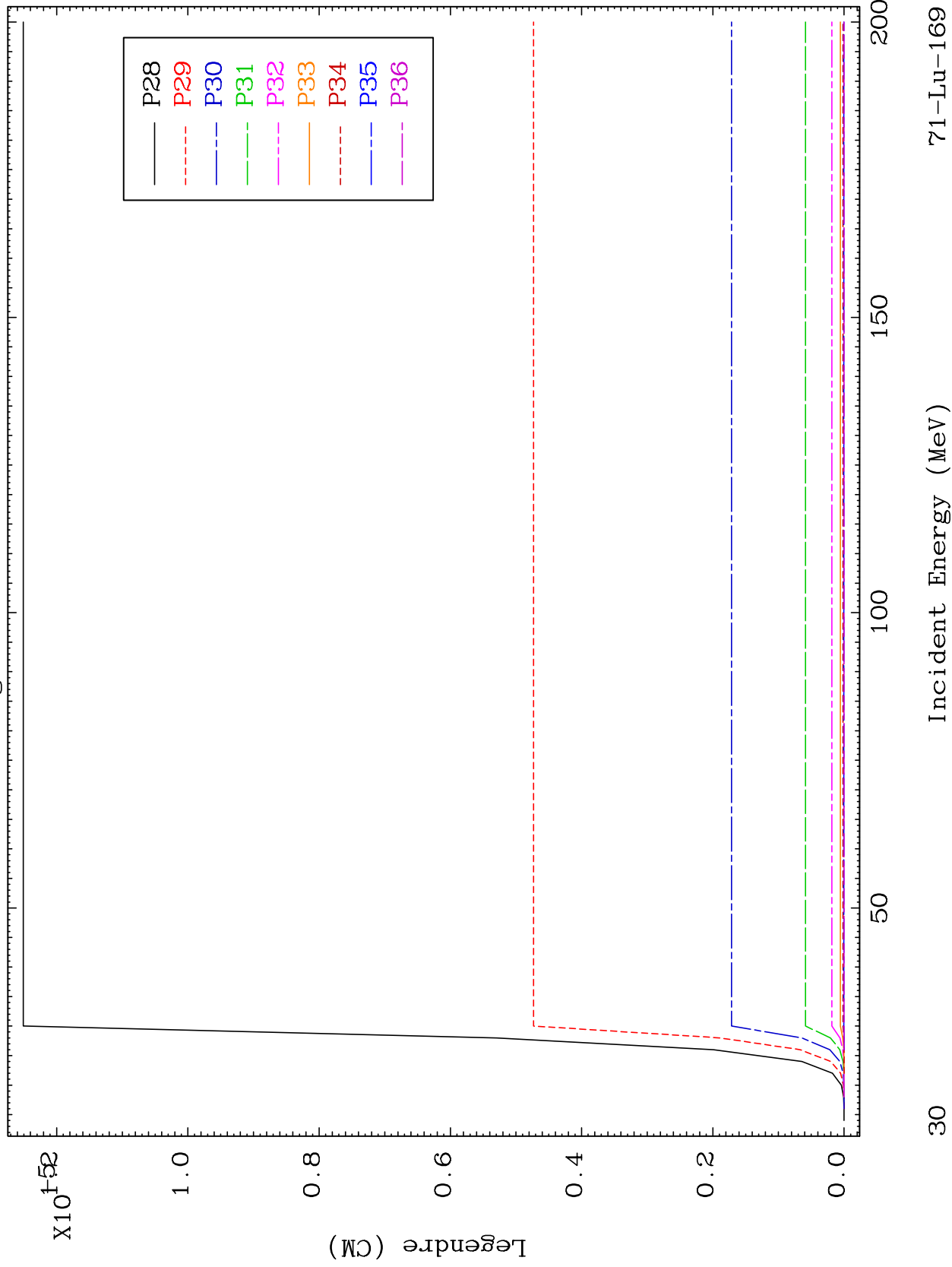
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

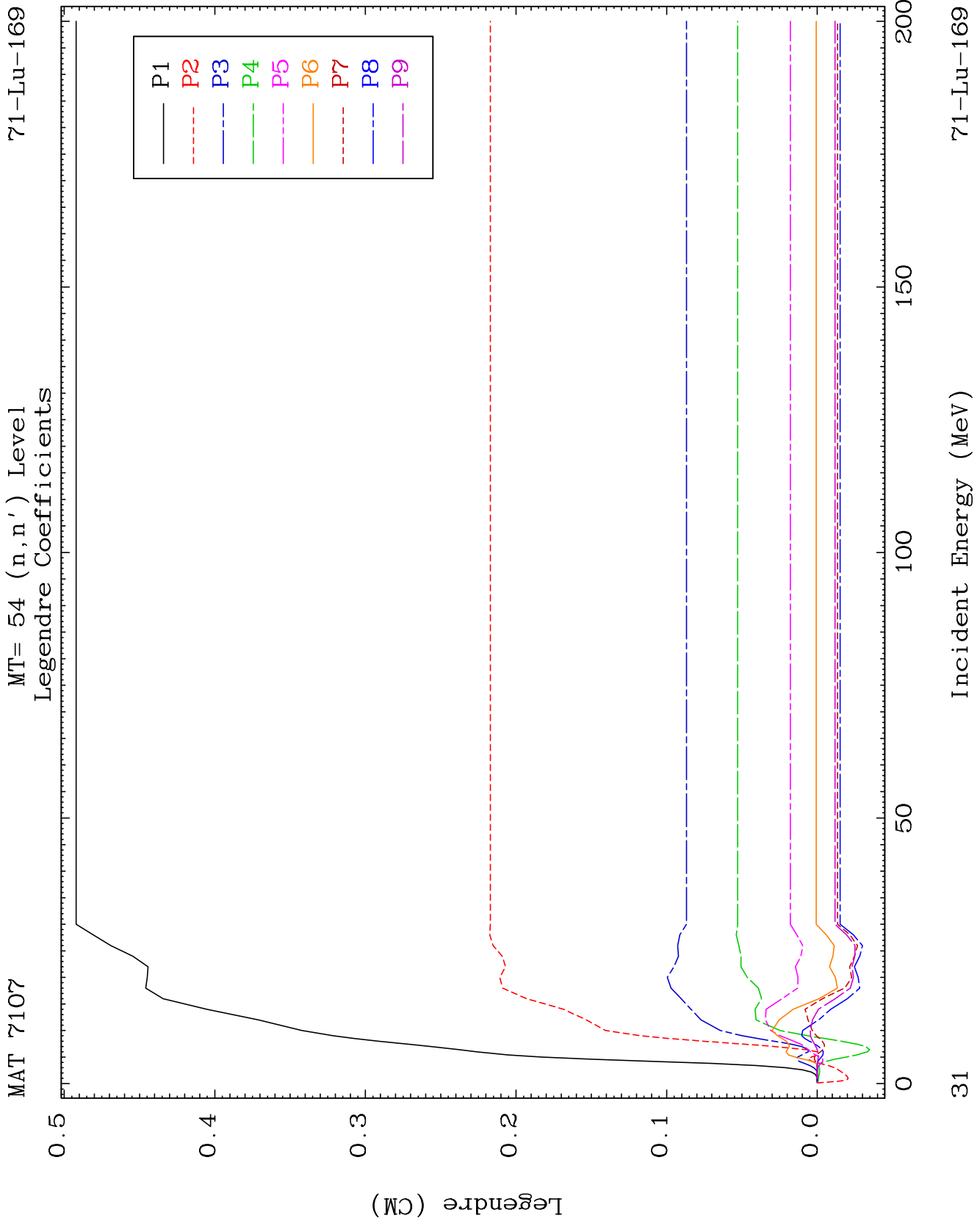
71-Lu-169



30

Incident Energy (MeV)

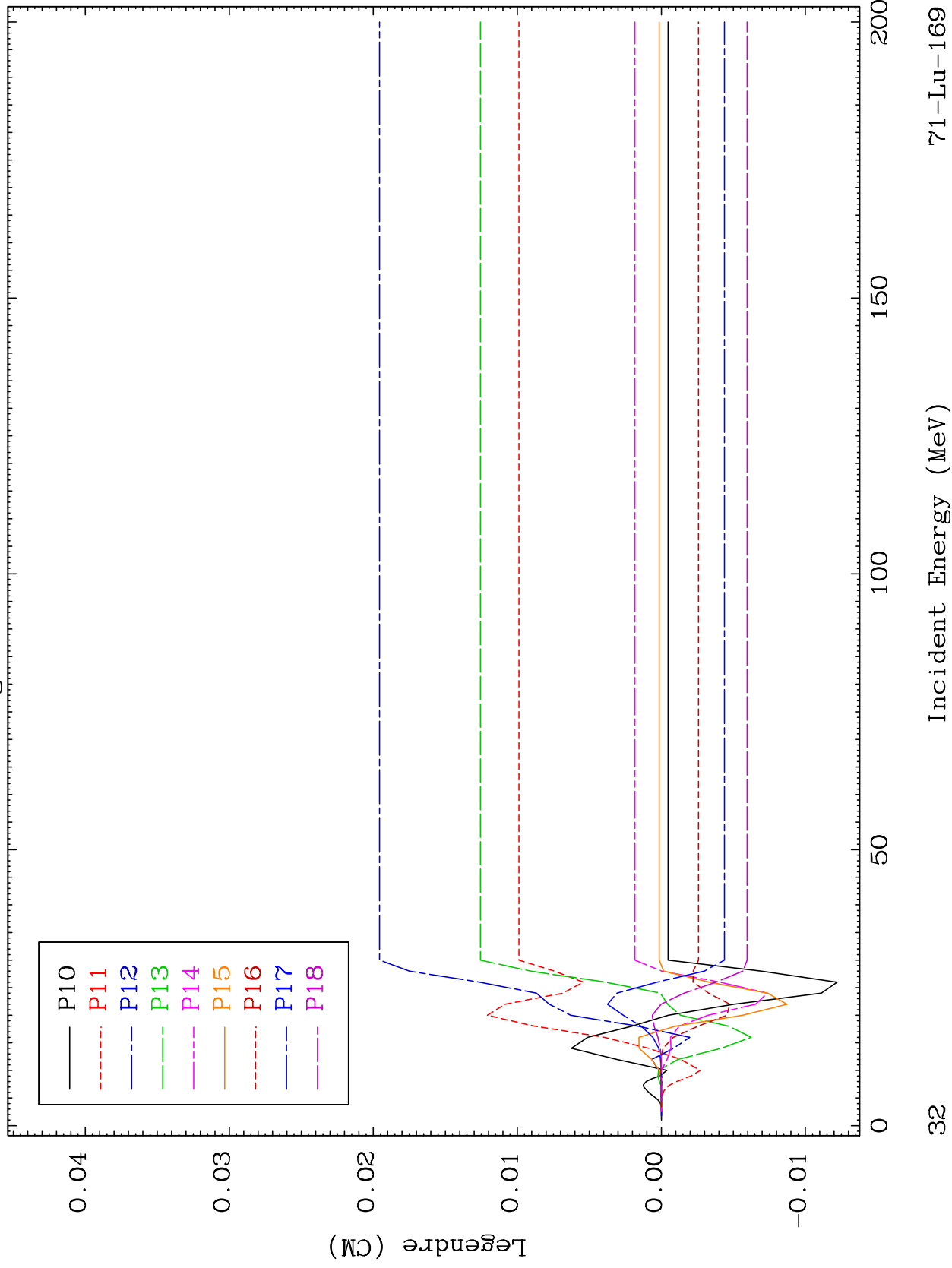
71-Lu-169



MAT 7107

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

71-Lu-169



71-Lu-169

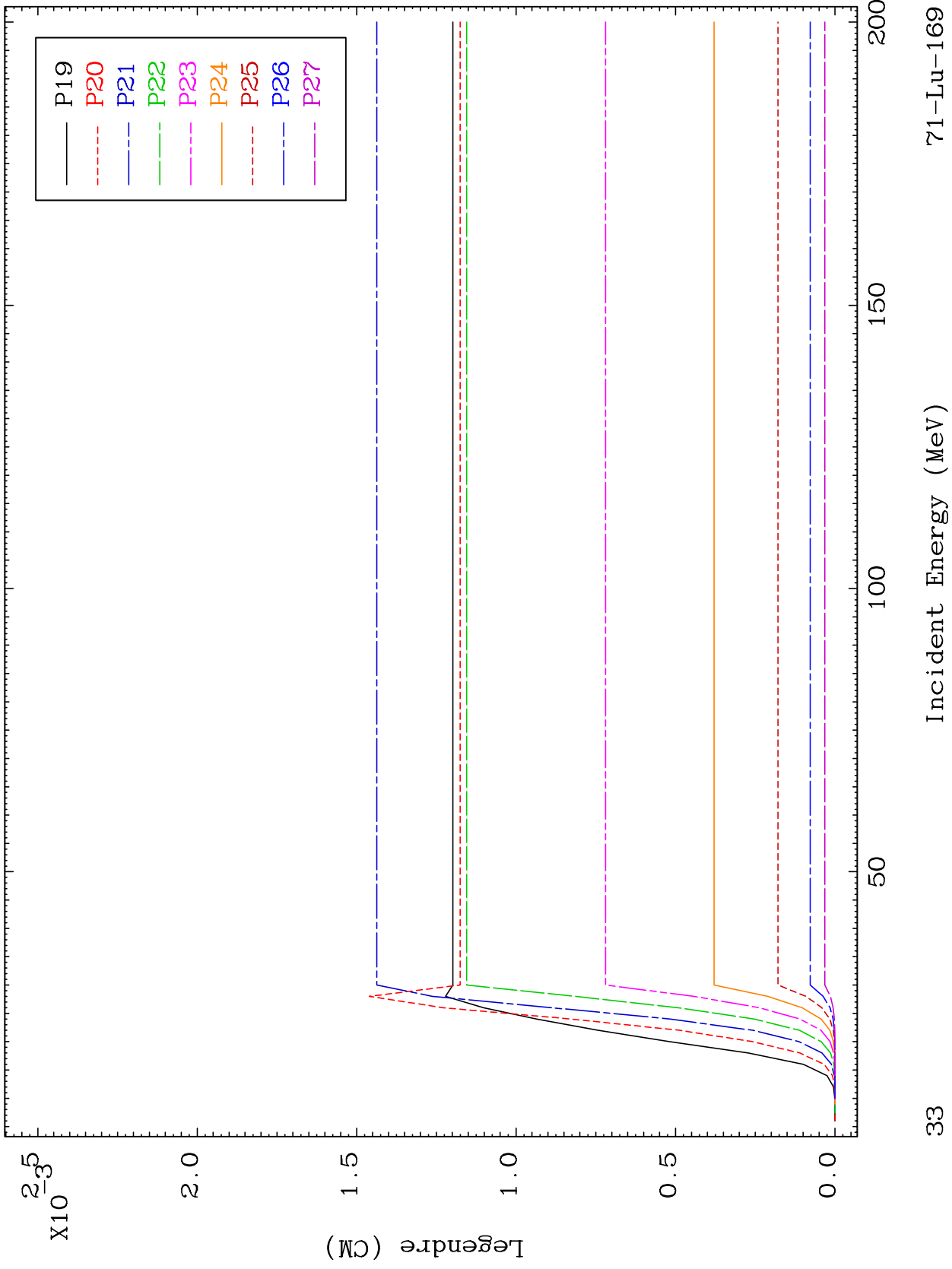
Incident Energy (MeV)

32

MAT 7107

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

71-Lu-169



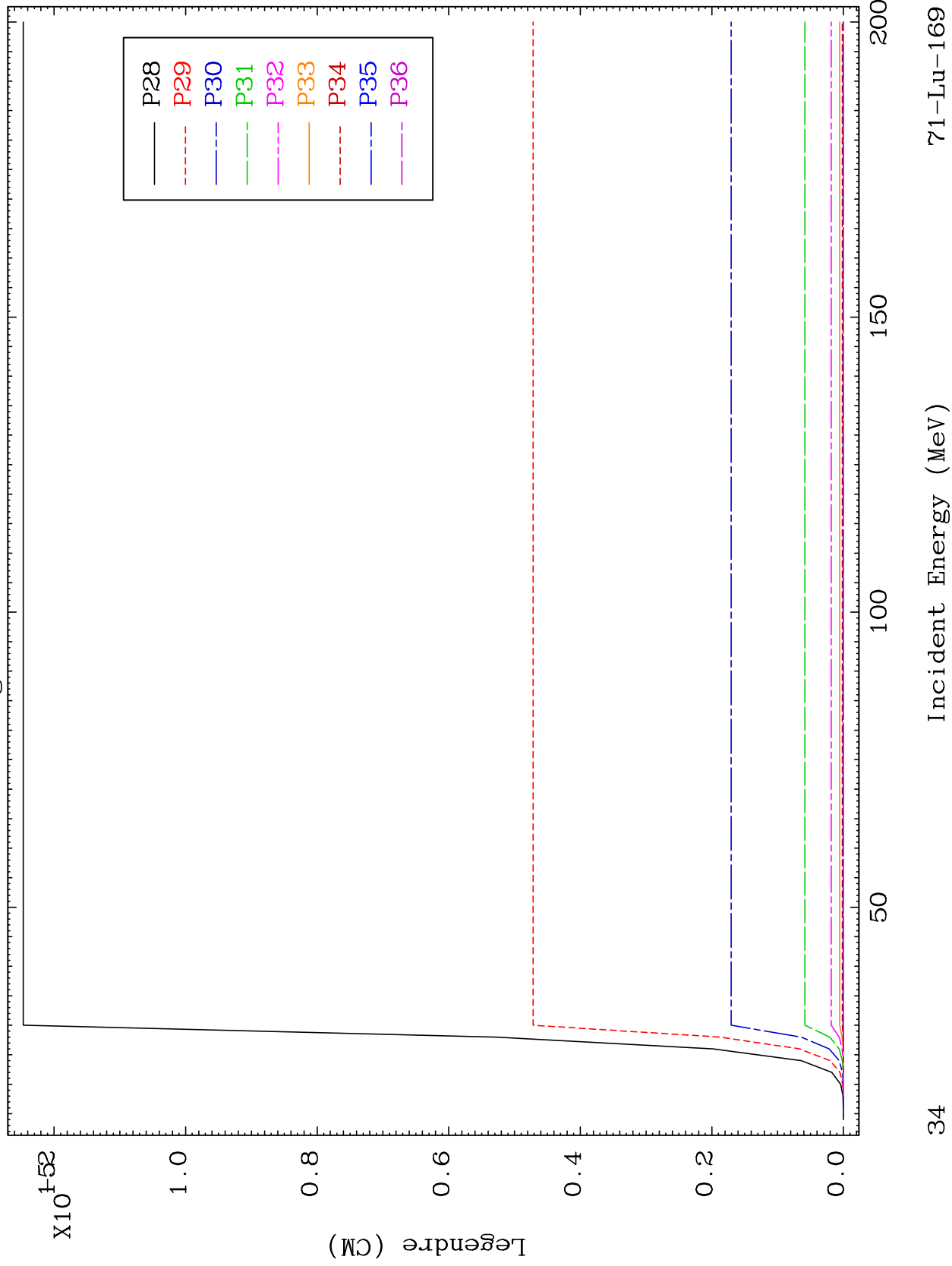
33

71-Lu-169

MAT 7107

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

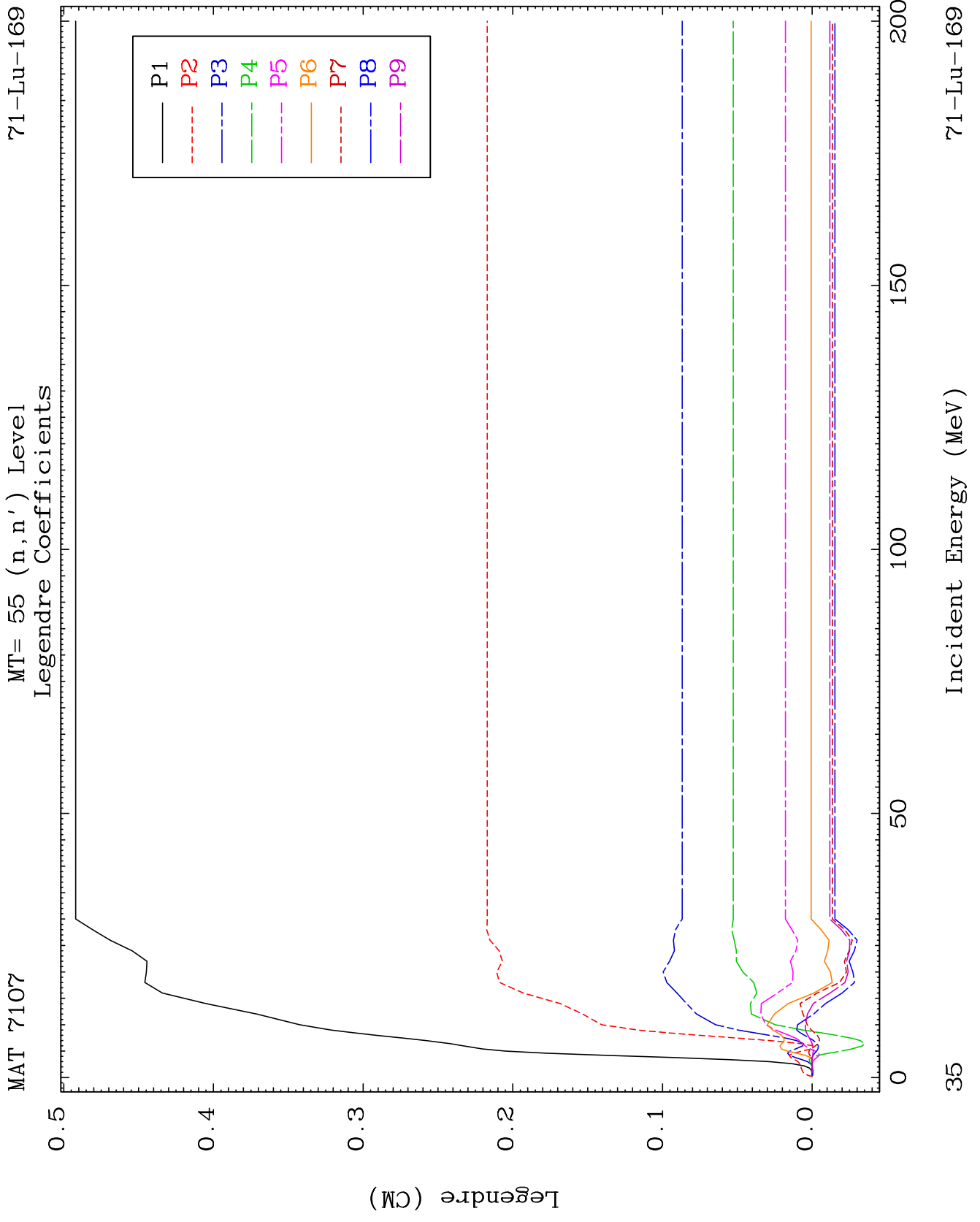
71-Lu-169

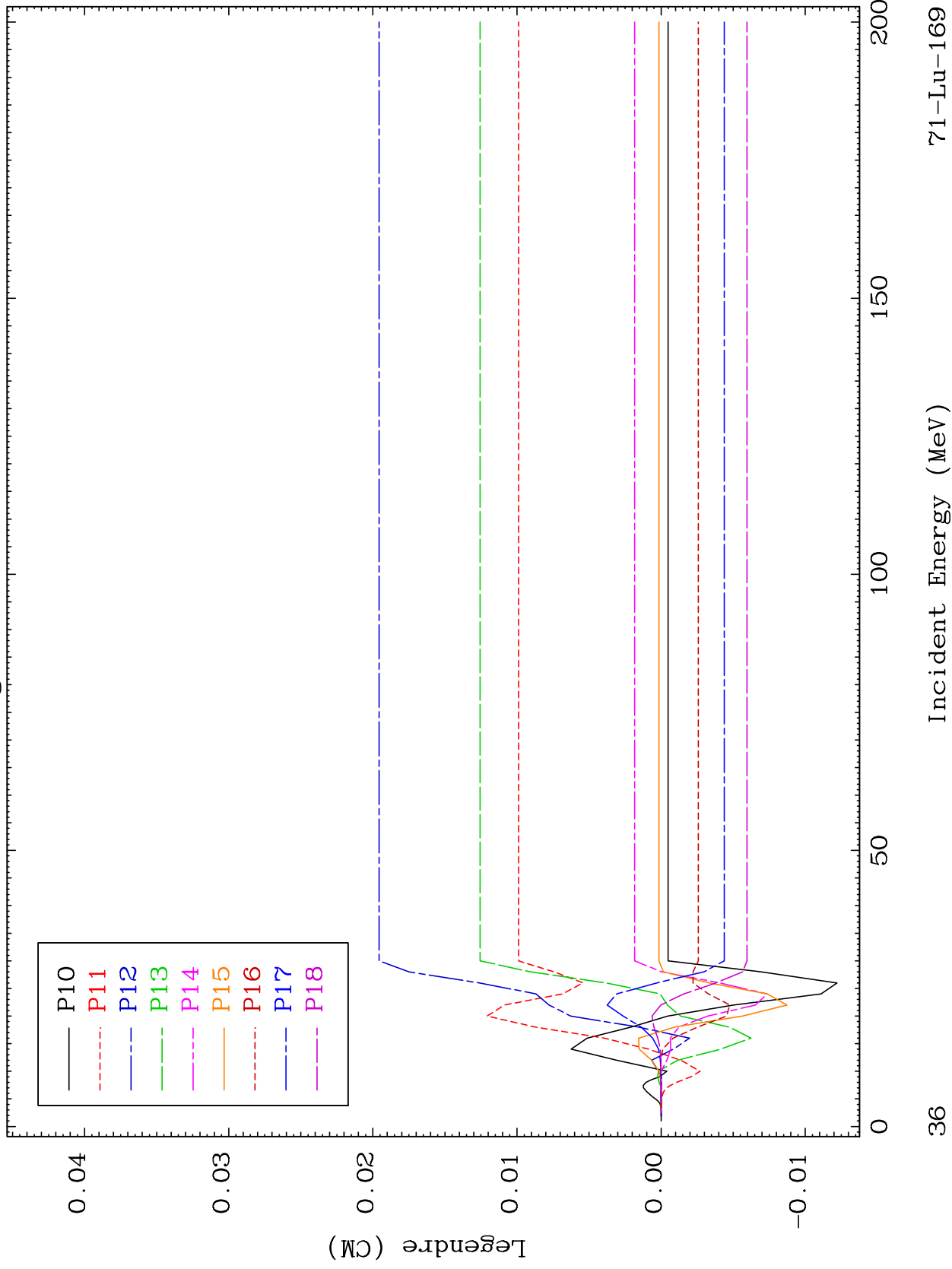


34

Incident Energy (MeV)

71-Lu-169

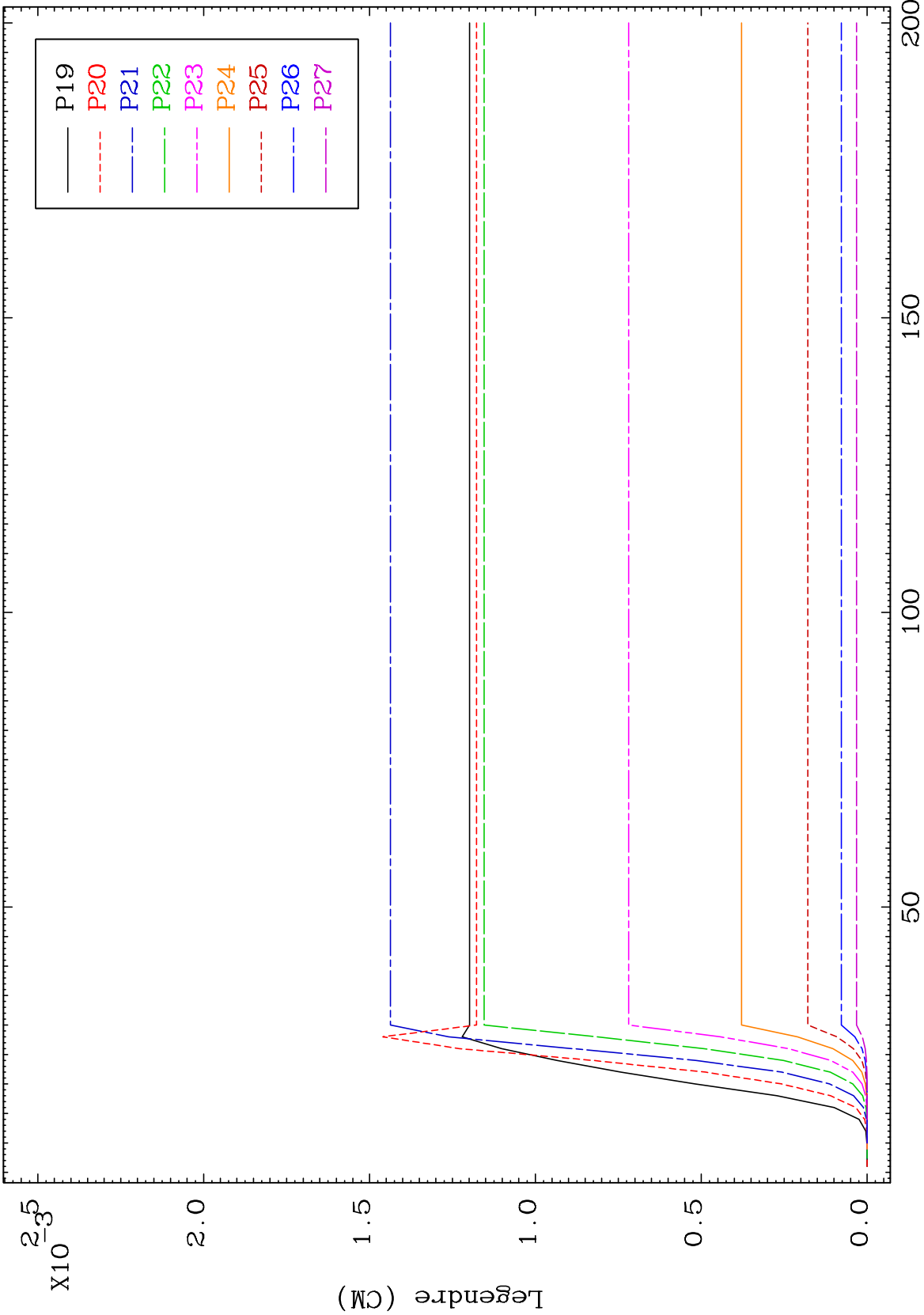




MAT 7107

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

71-Lu-169



37

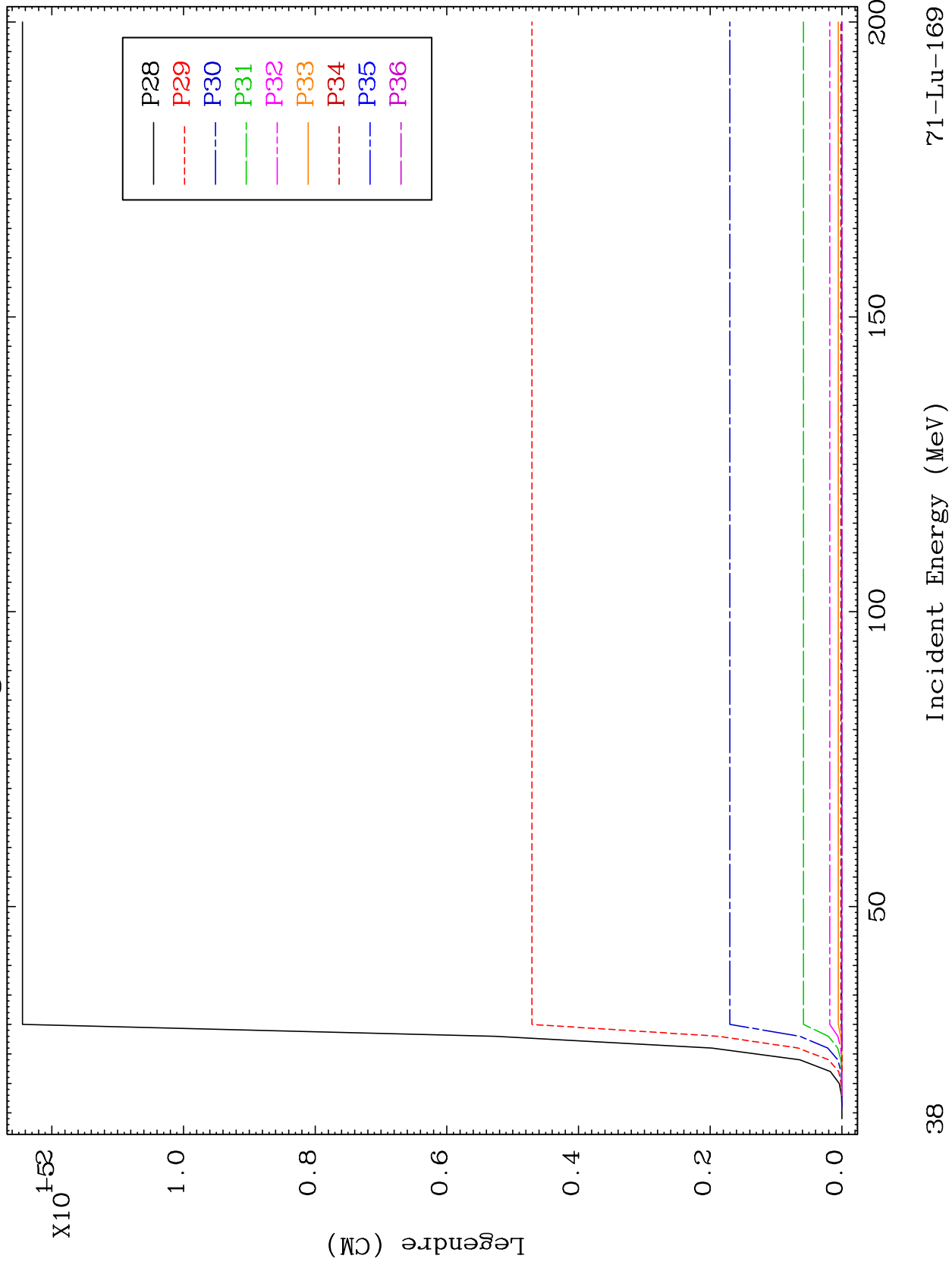
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



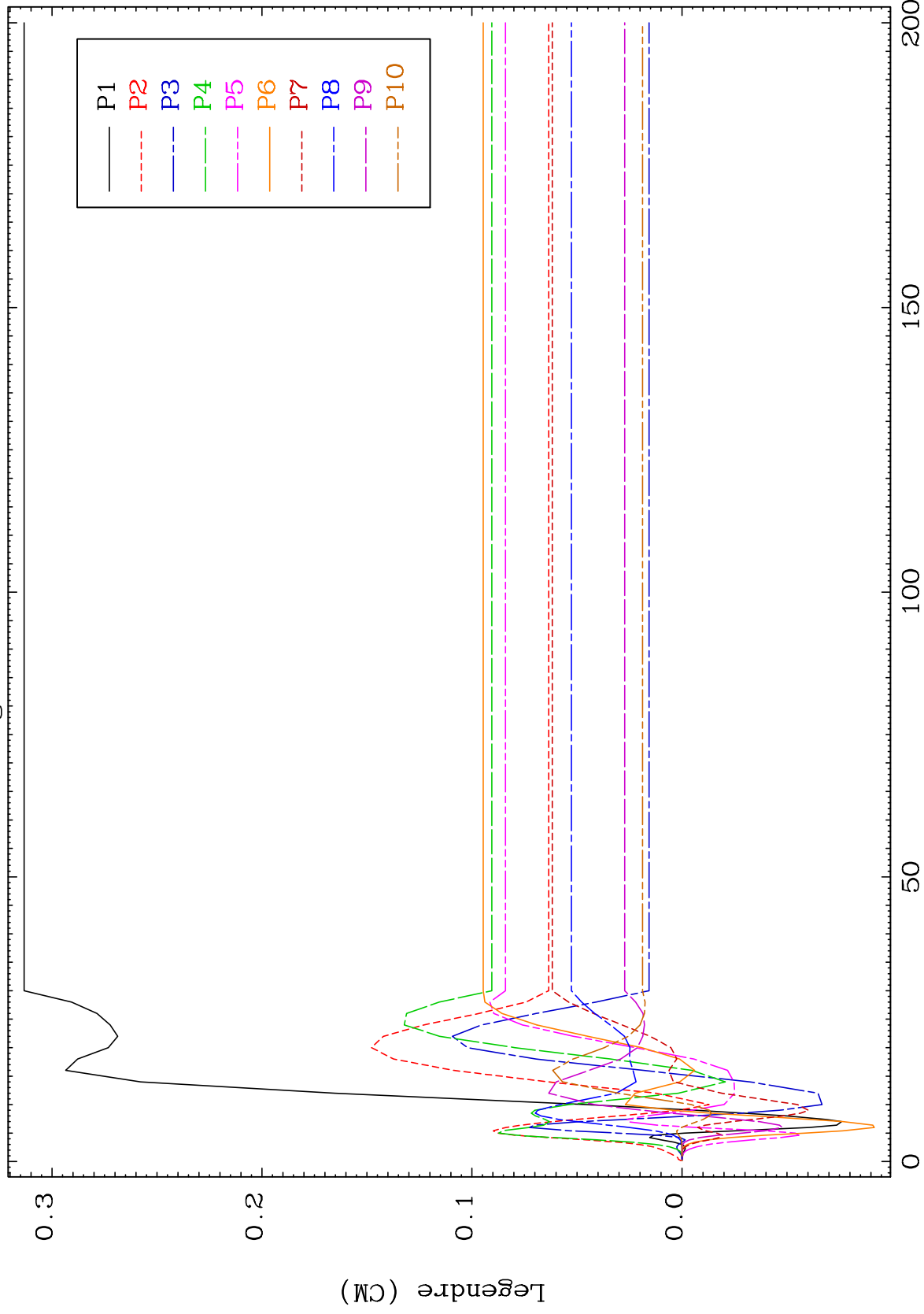
38

71-Lu-169

MAT 7107

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

71-Lu-169



39

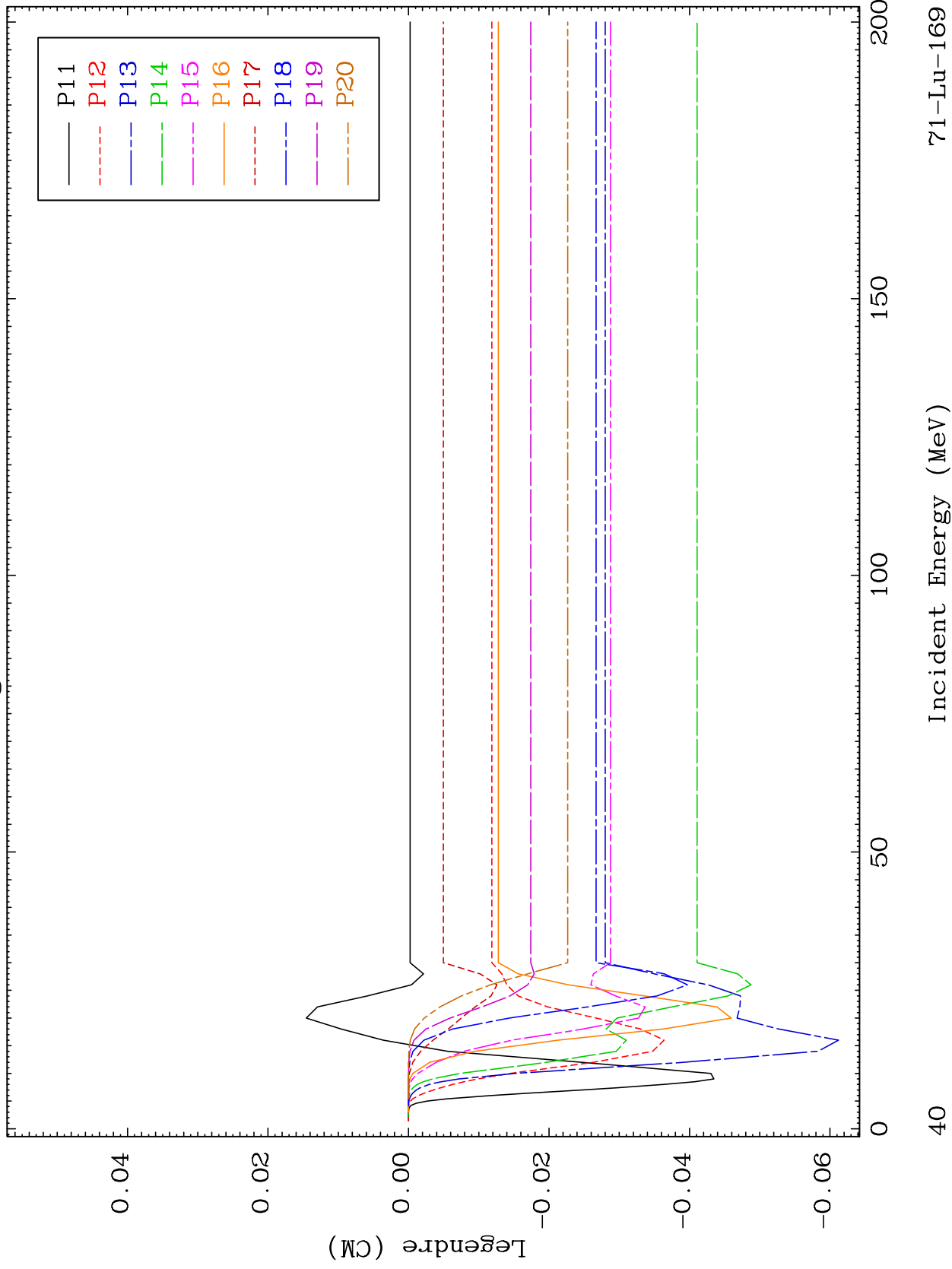
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

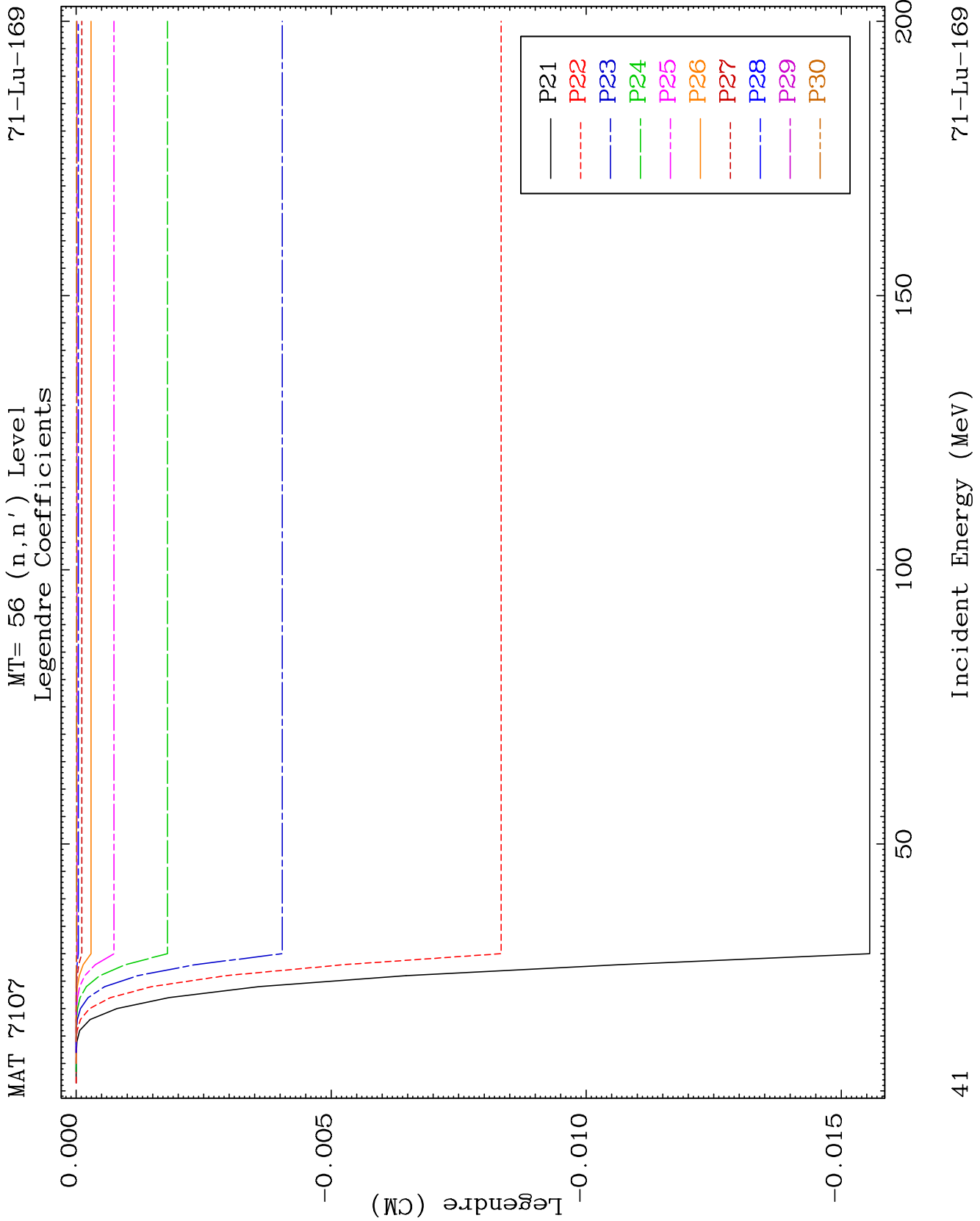
71-Lu-169

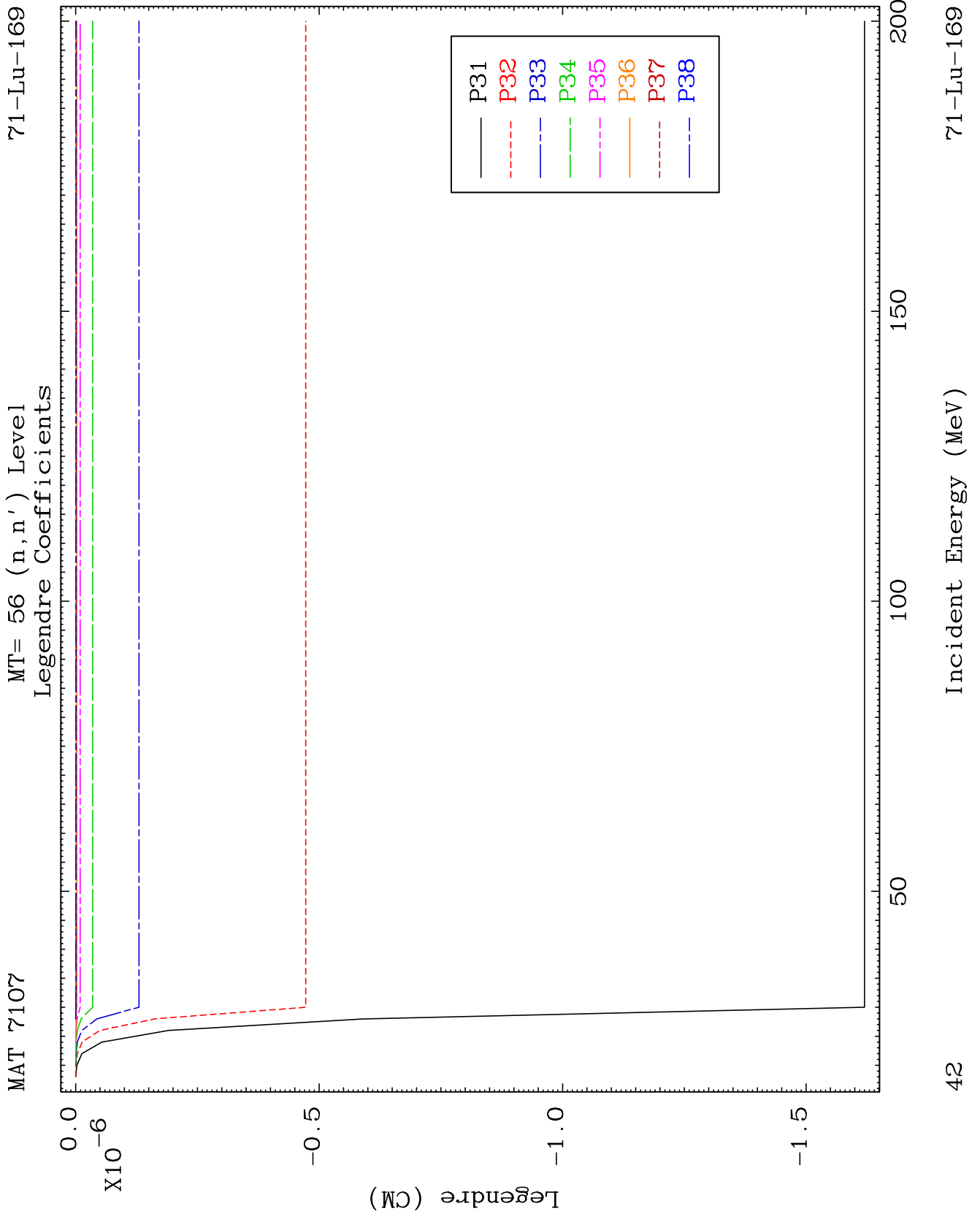


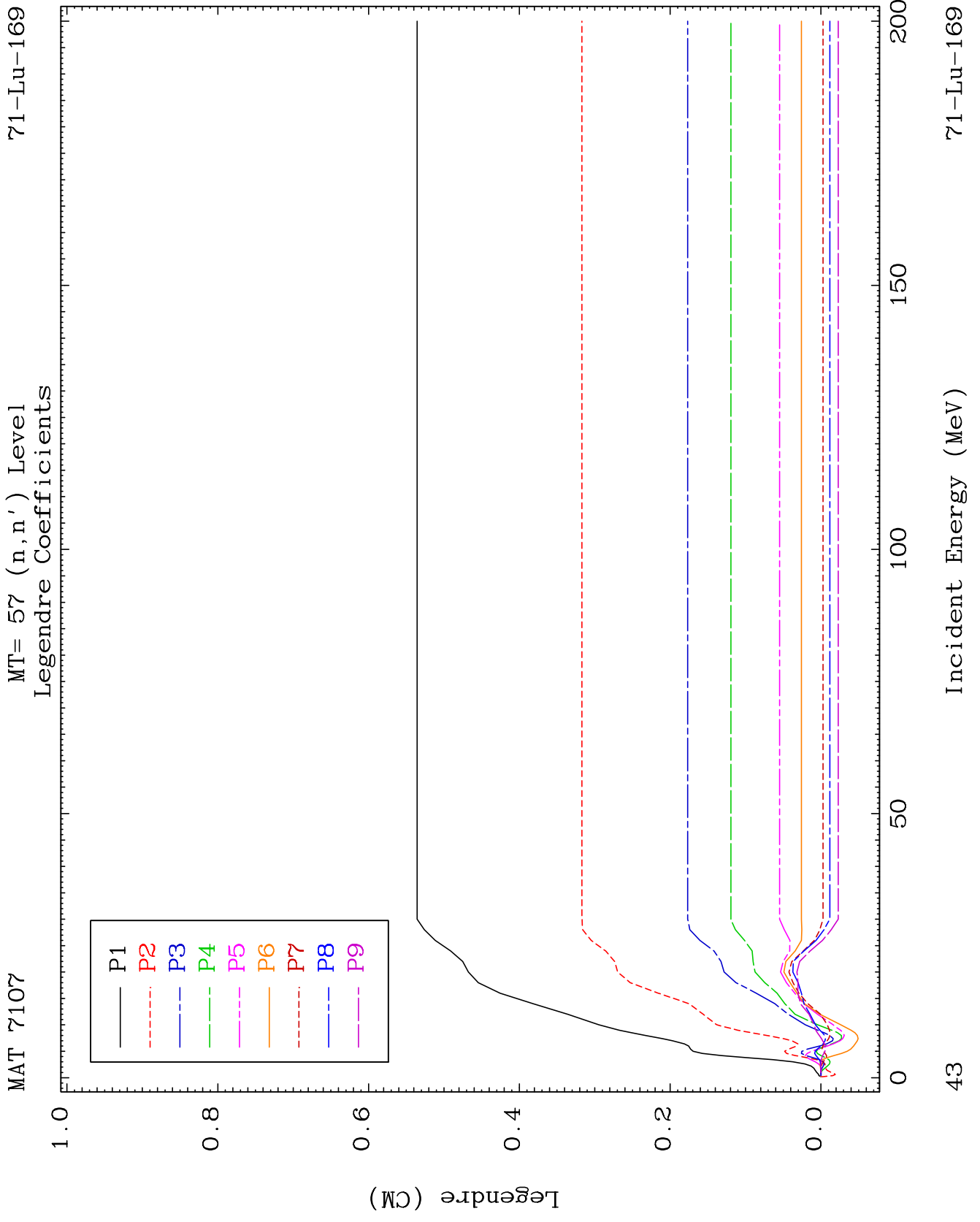
71-Lu-169

Incident Energy (MeV)

40



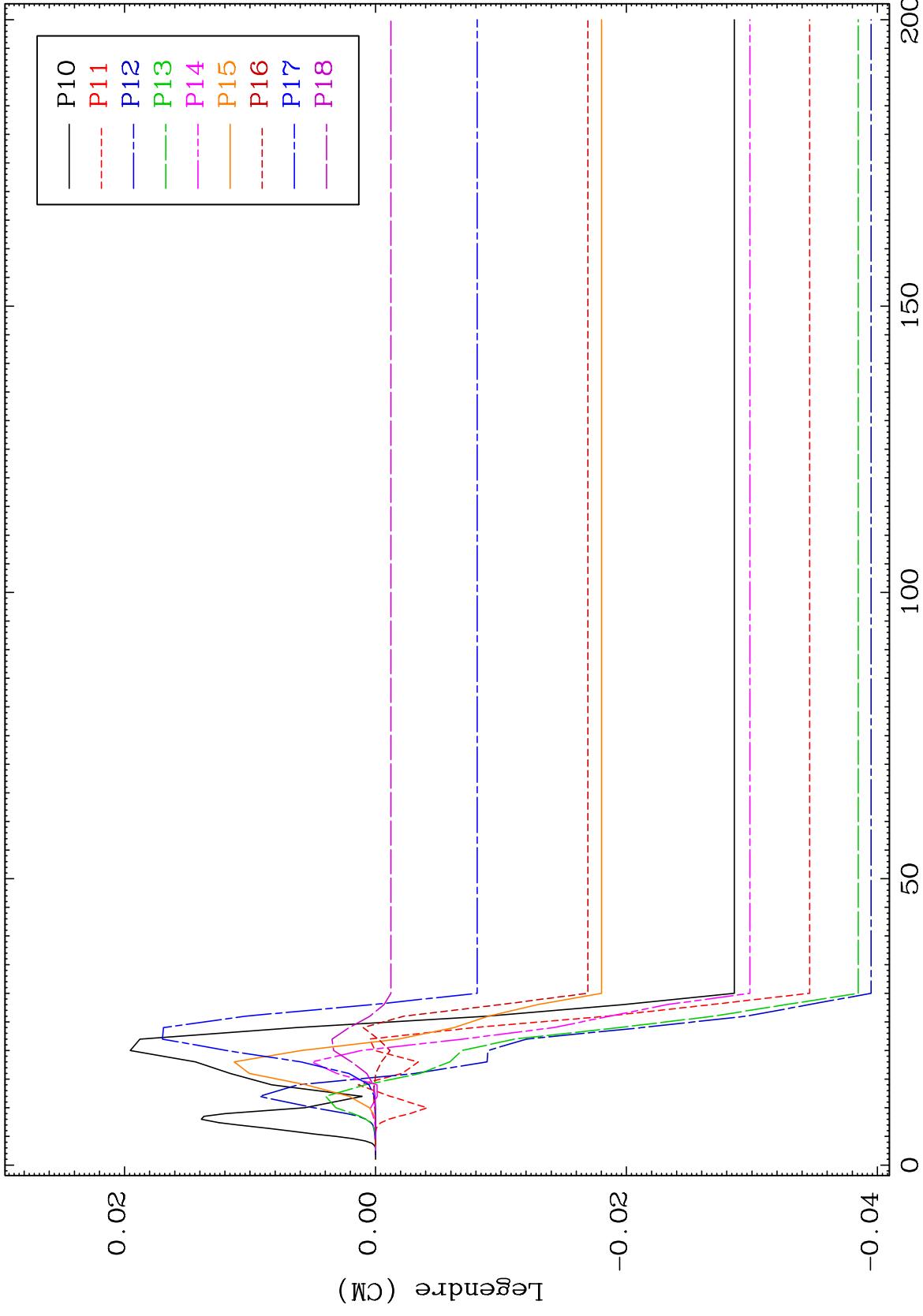




MAT 7107

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

71-Lu-169



44

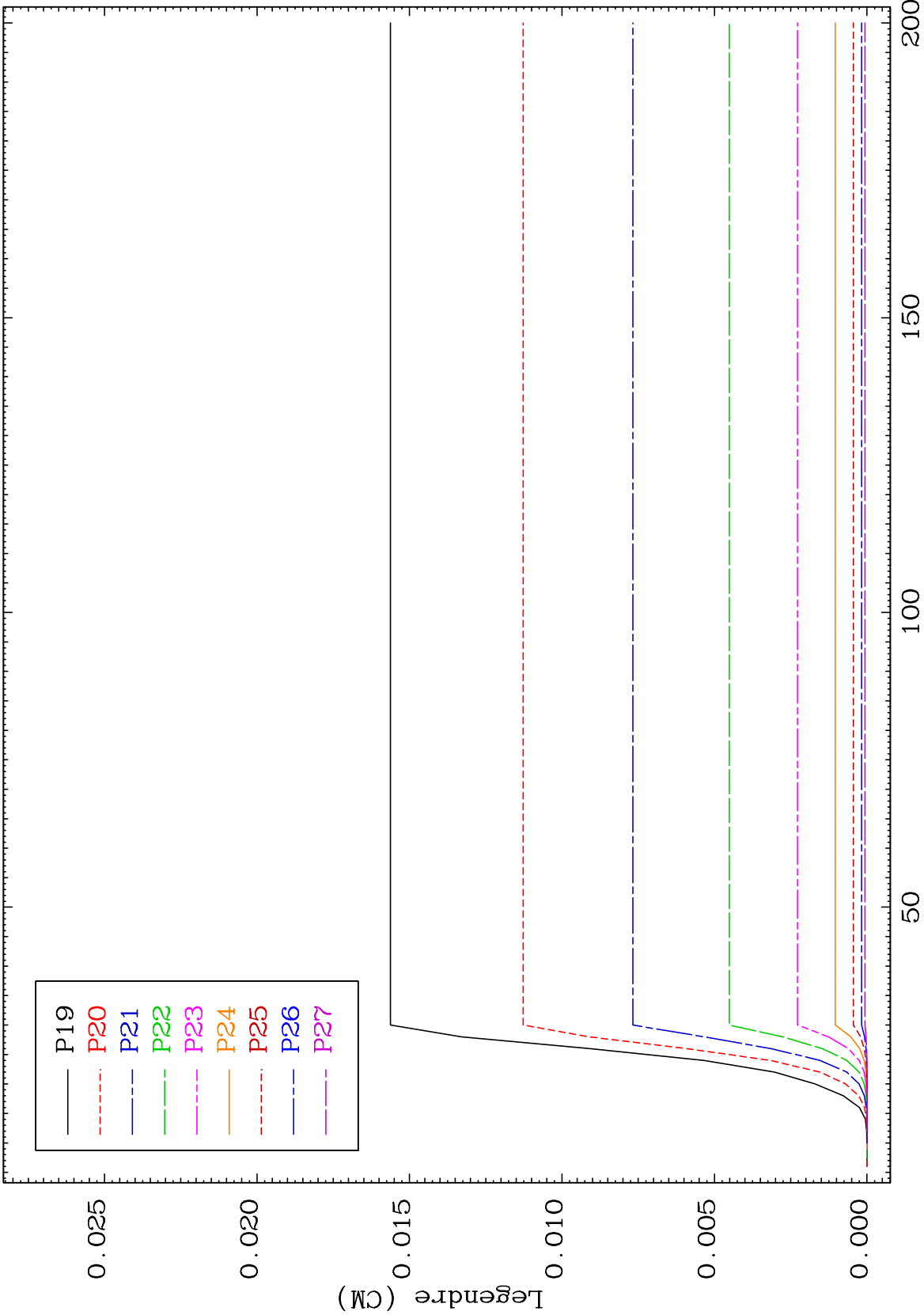
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



45

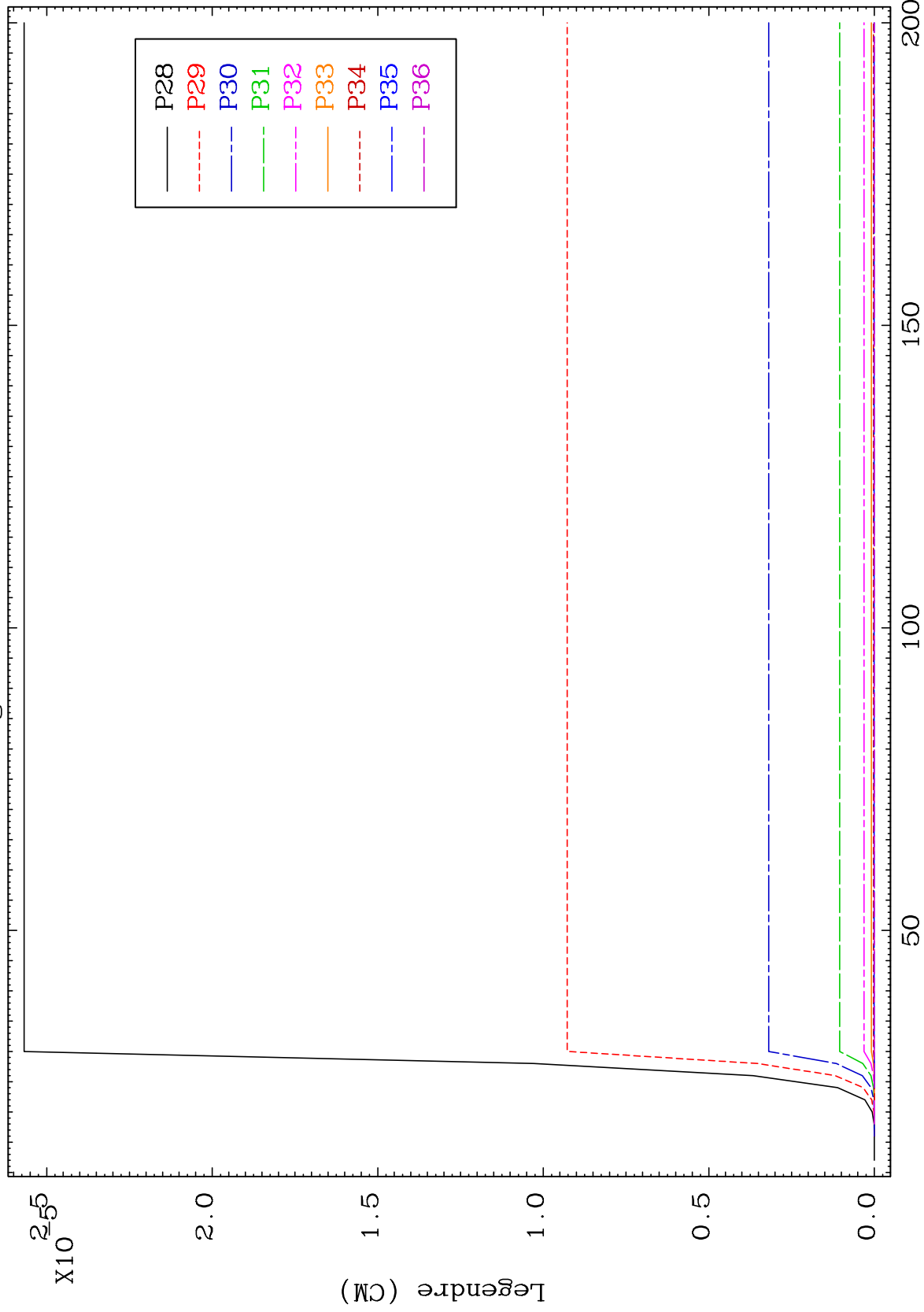
Incident Energy (MeV)

71-Lu-169

MAT 7107

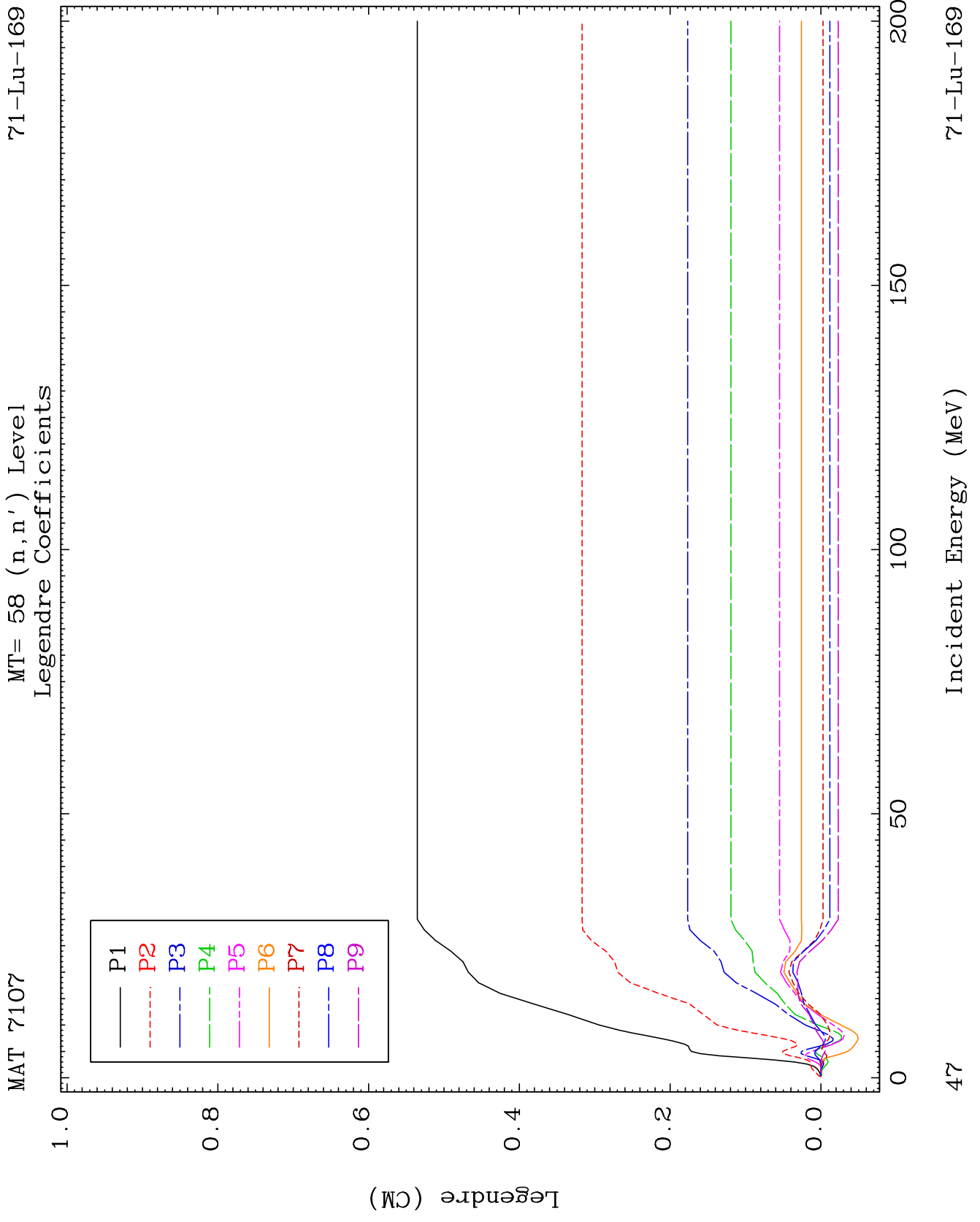
MT= 57 (n,n') Level
Legendre Coefficients

71-Lu-169



46

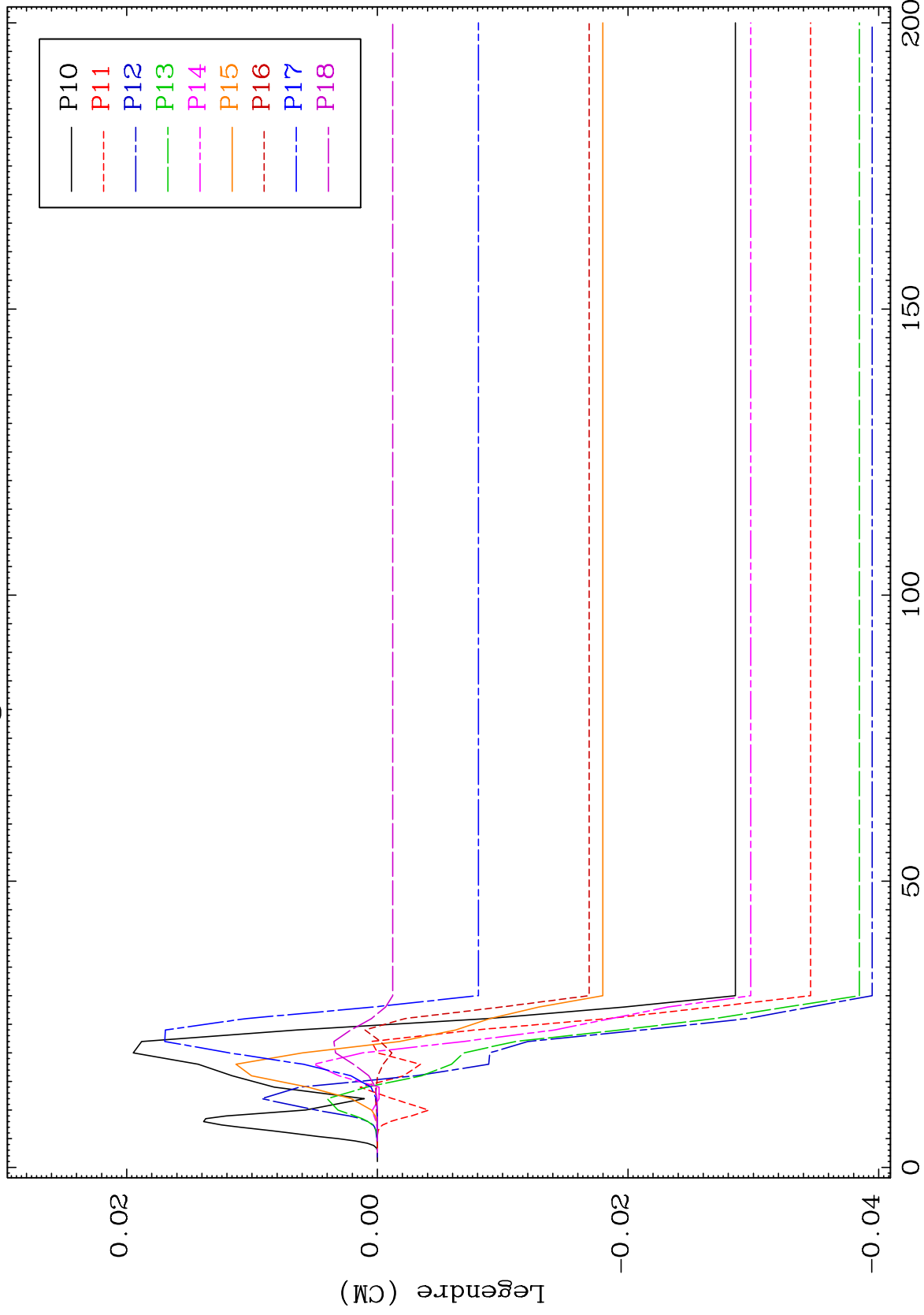
71-Lu-169



MAT 7107

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

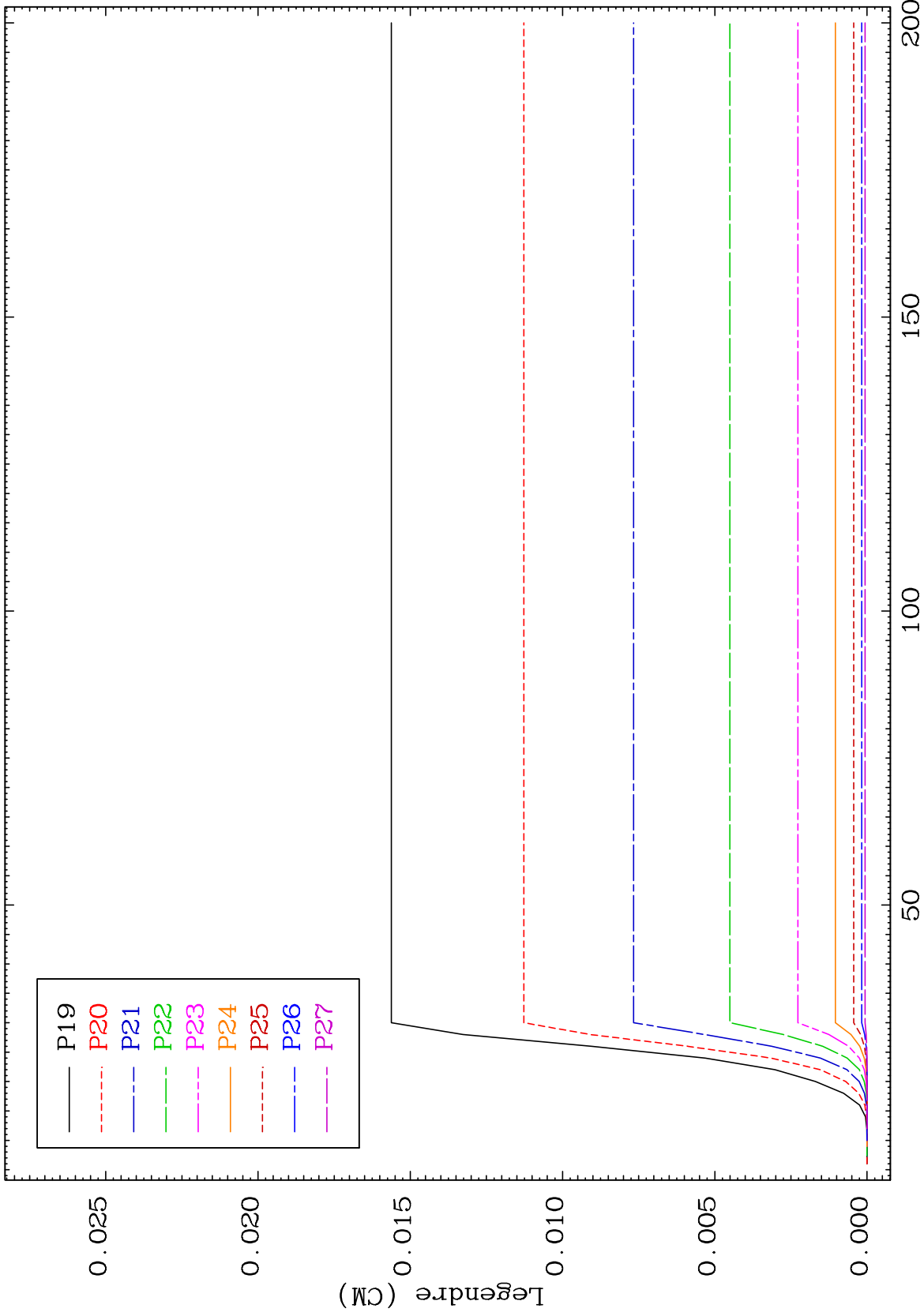
71-Lu-169



48

Incident Energy (MeV)

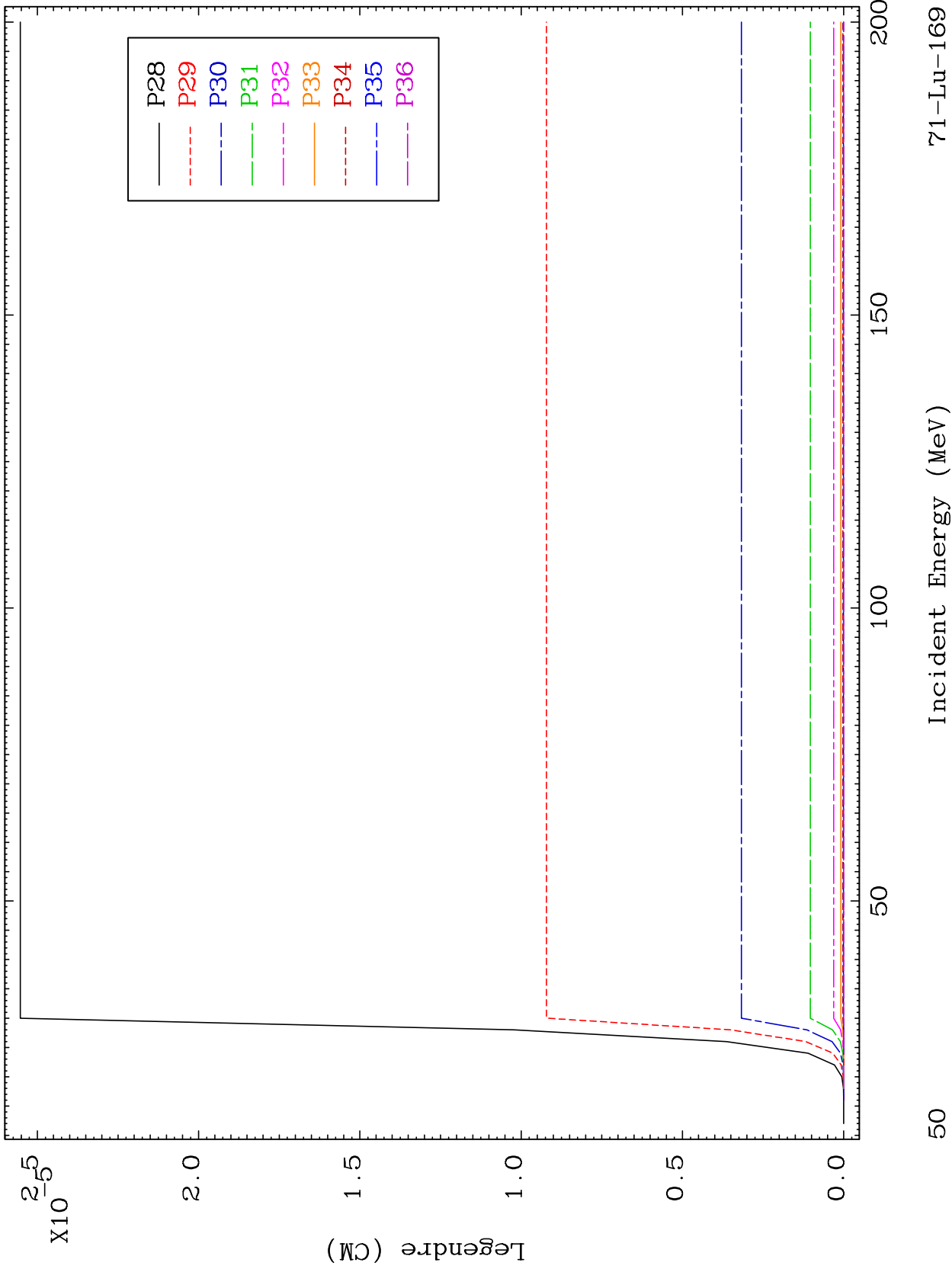
71-Lu-169



MAT 7107

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

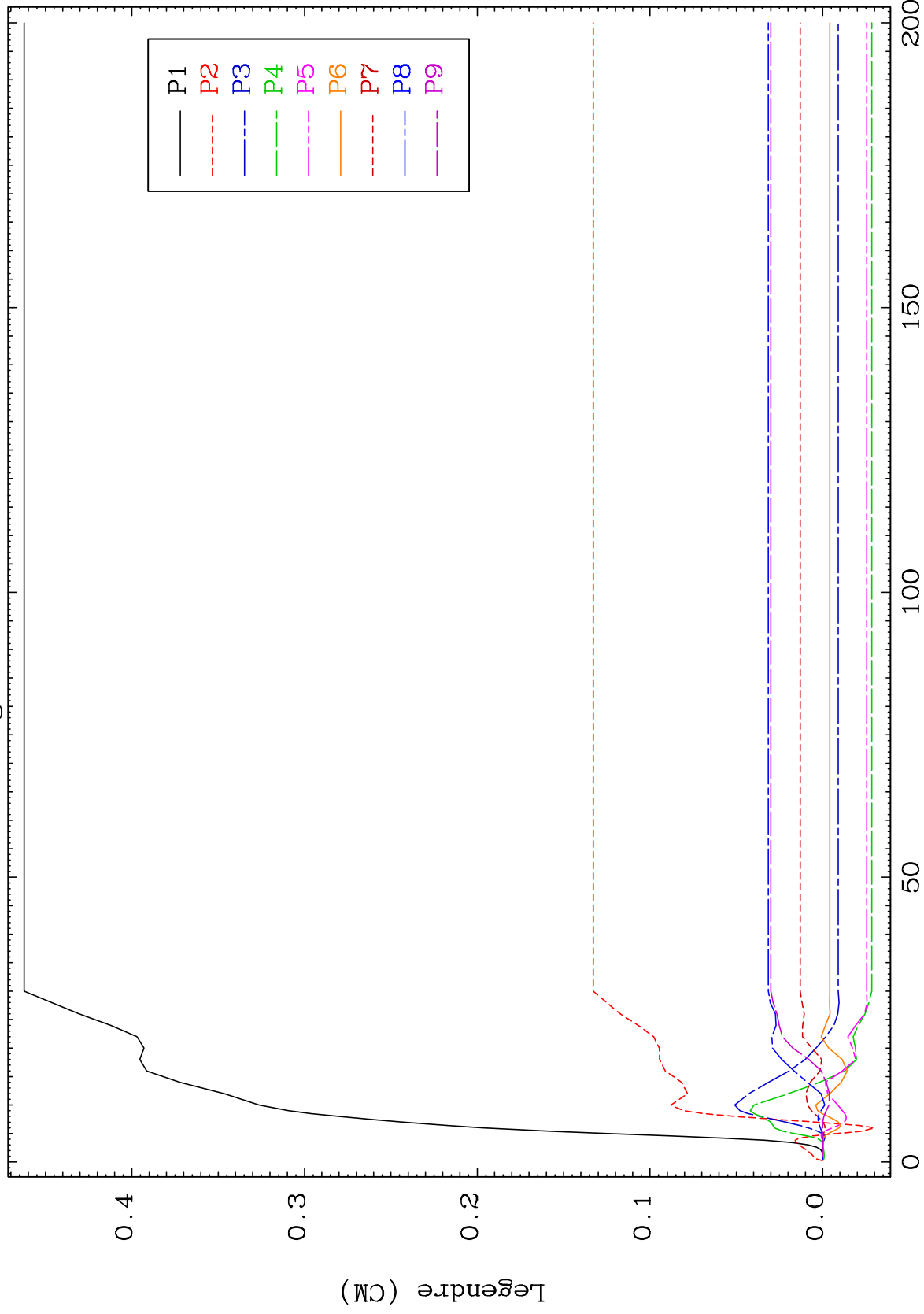
71-Lu-169



MAT 7107

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

71-Lu-169



51

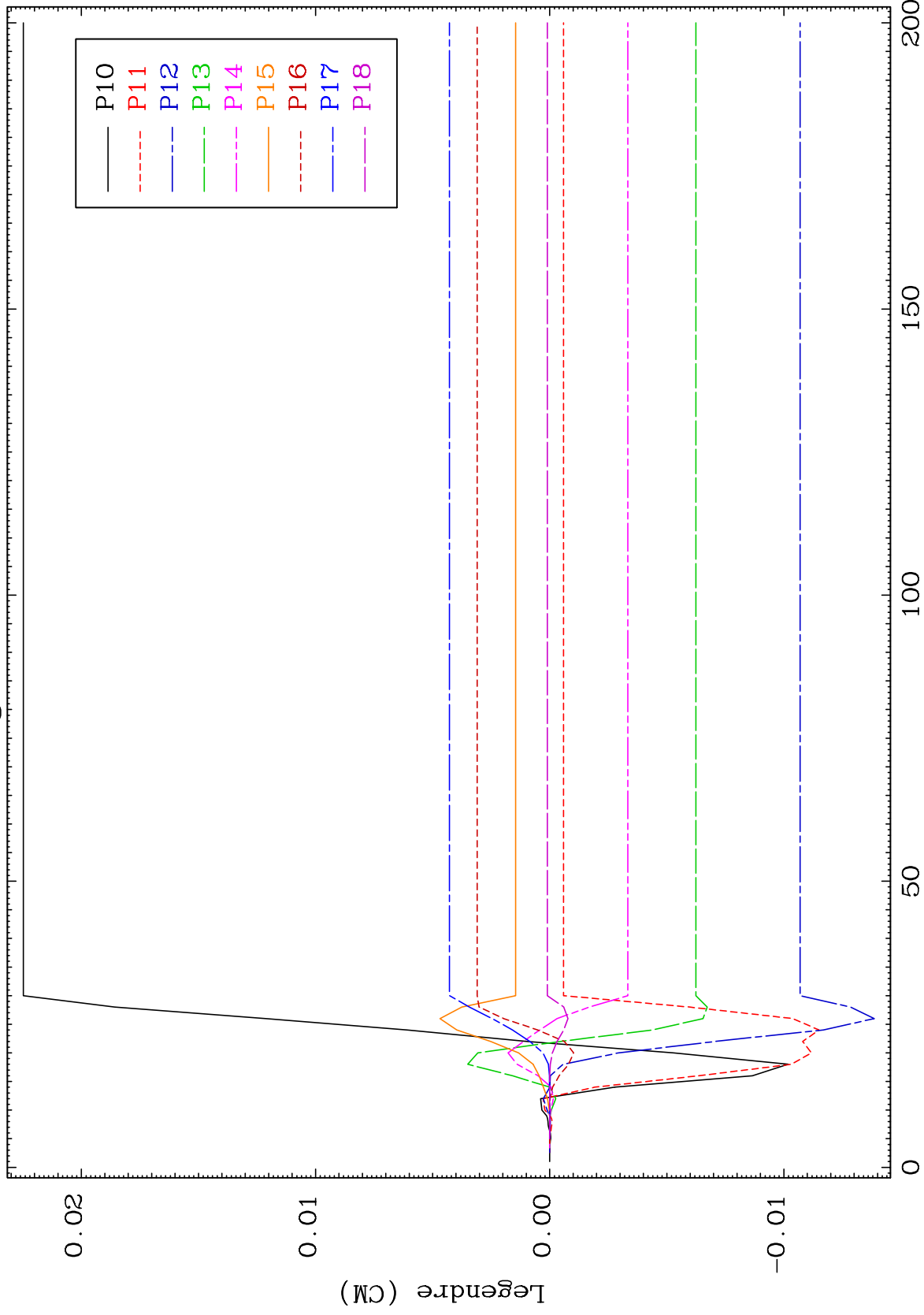
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



52

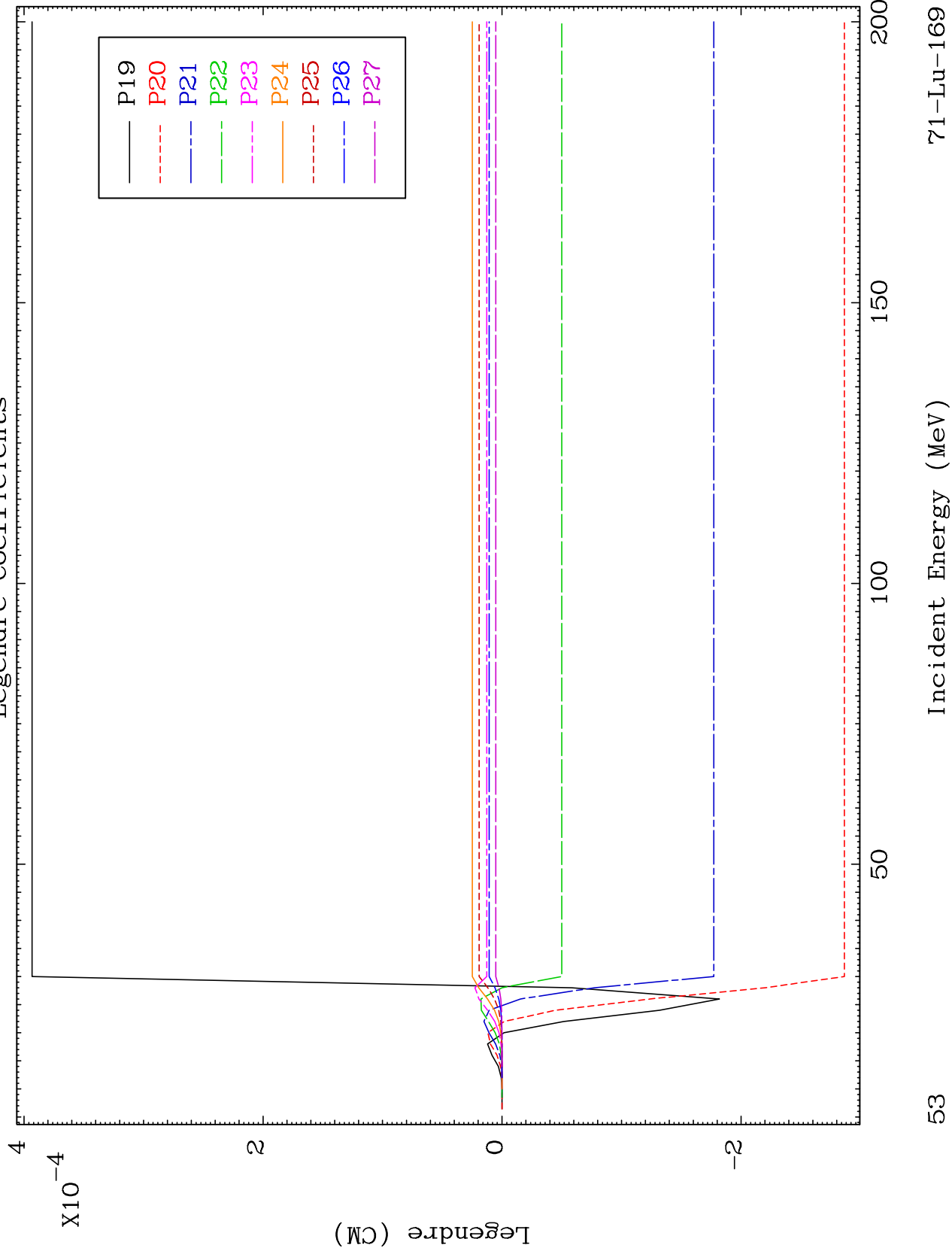
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

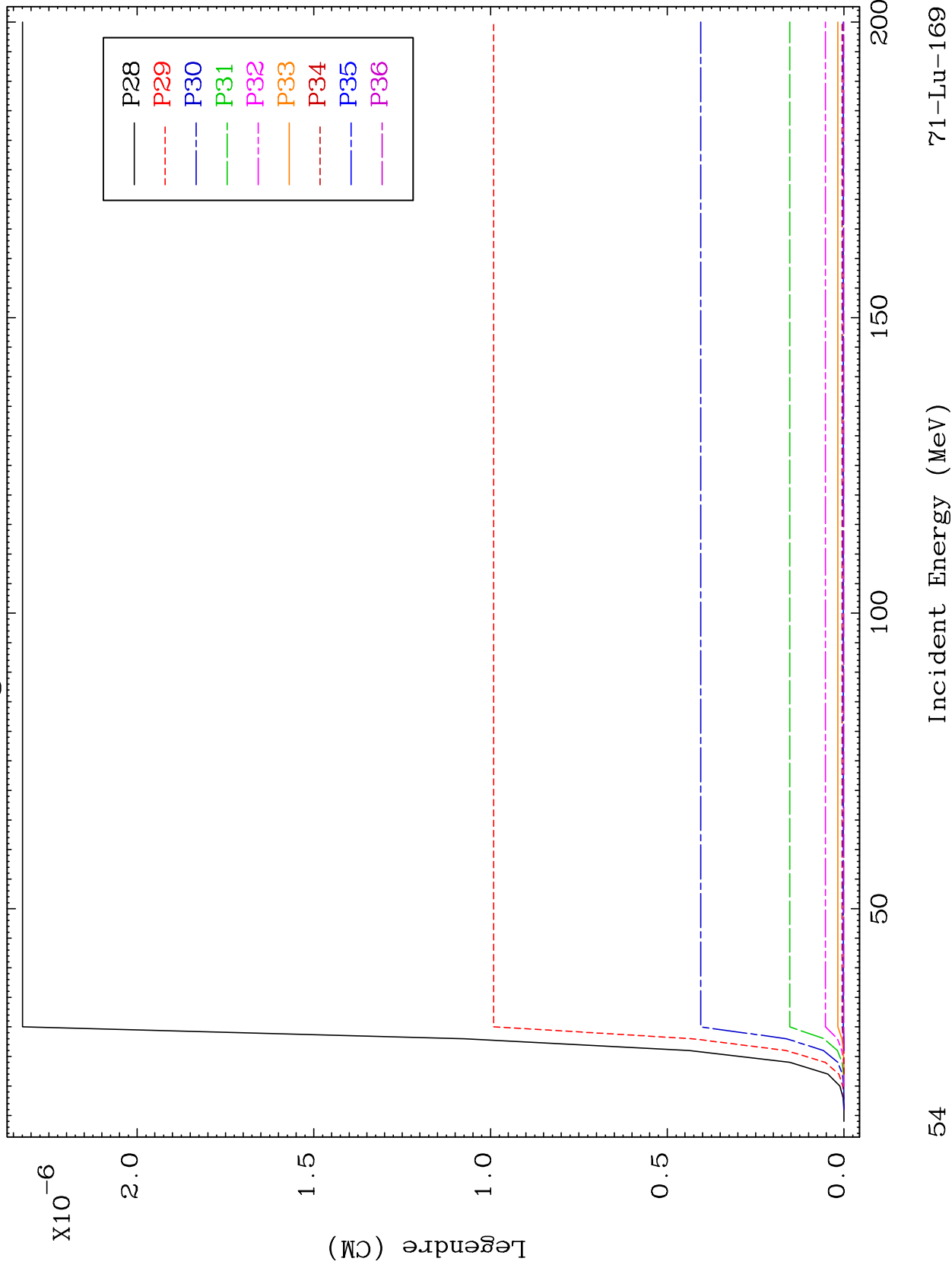
71-Lu-169



MAT 7107

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

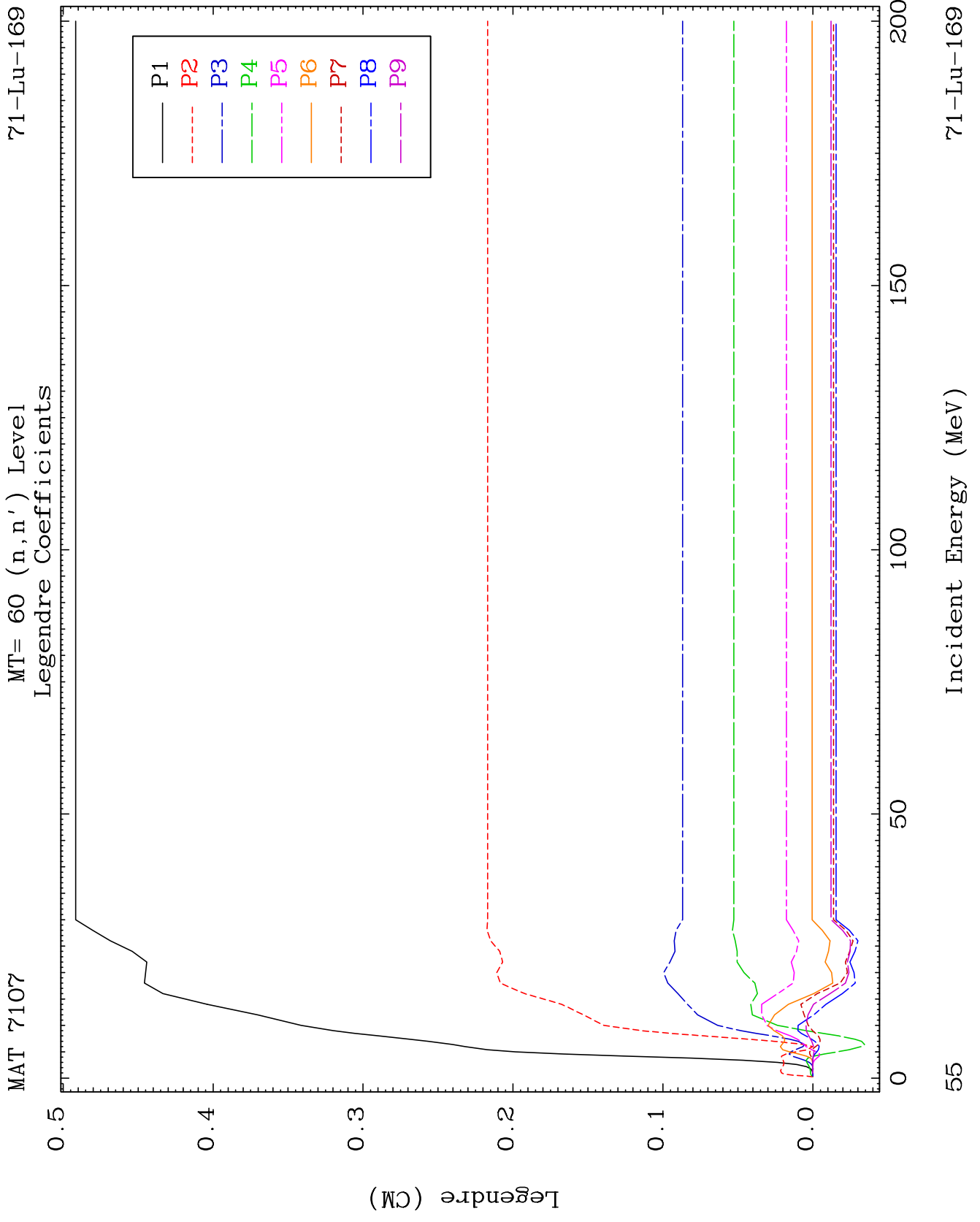
71-Lu-169



54

Incident Energy (MeV)

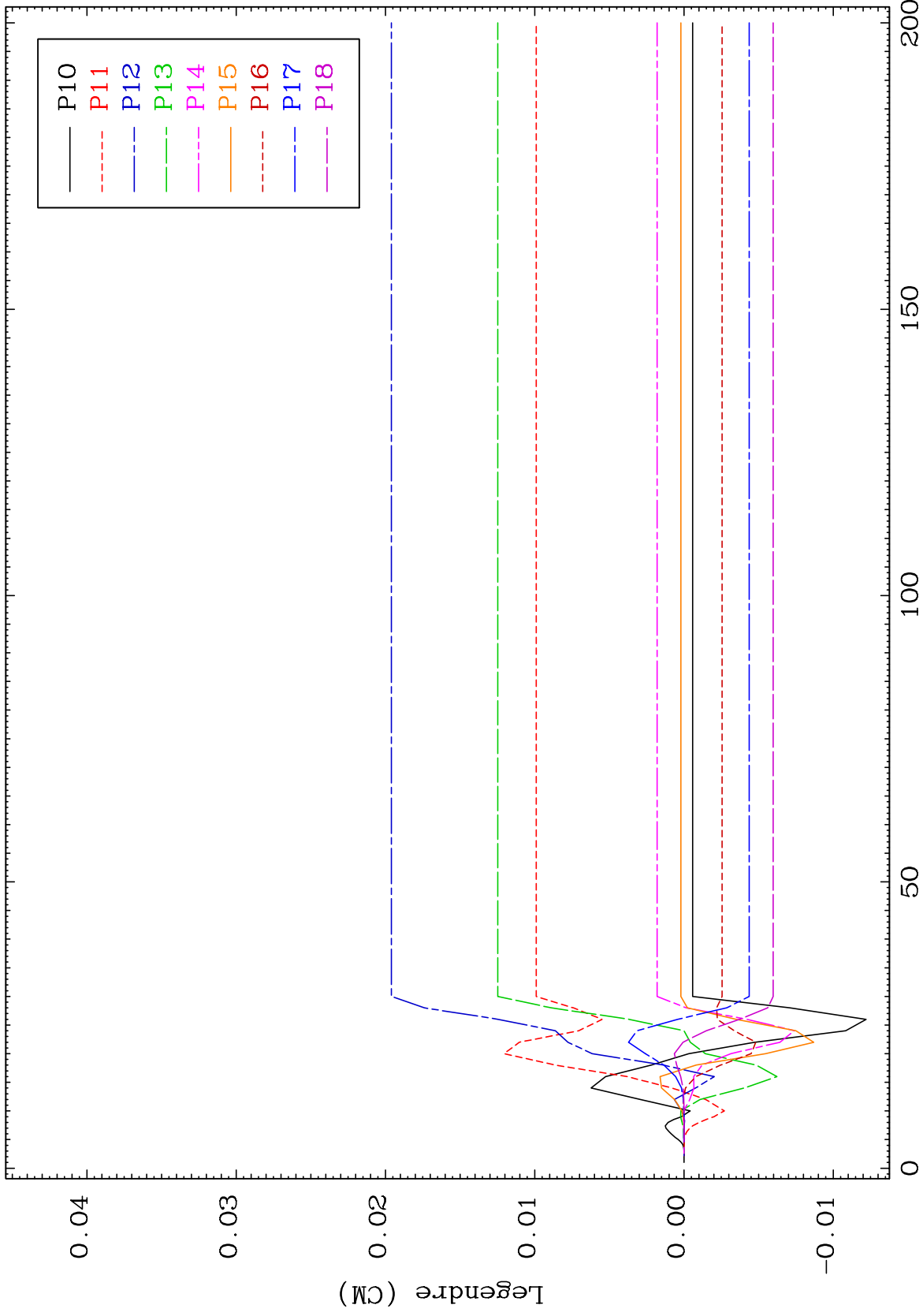
71-Lu-169



MAT 7107

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

71-Lu-169



56

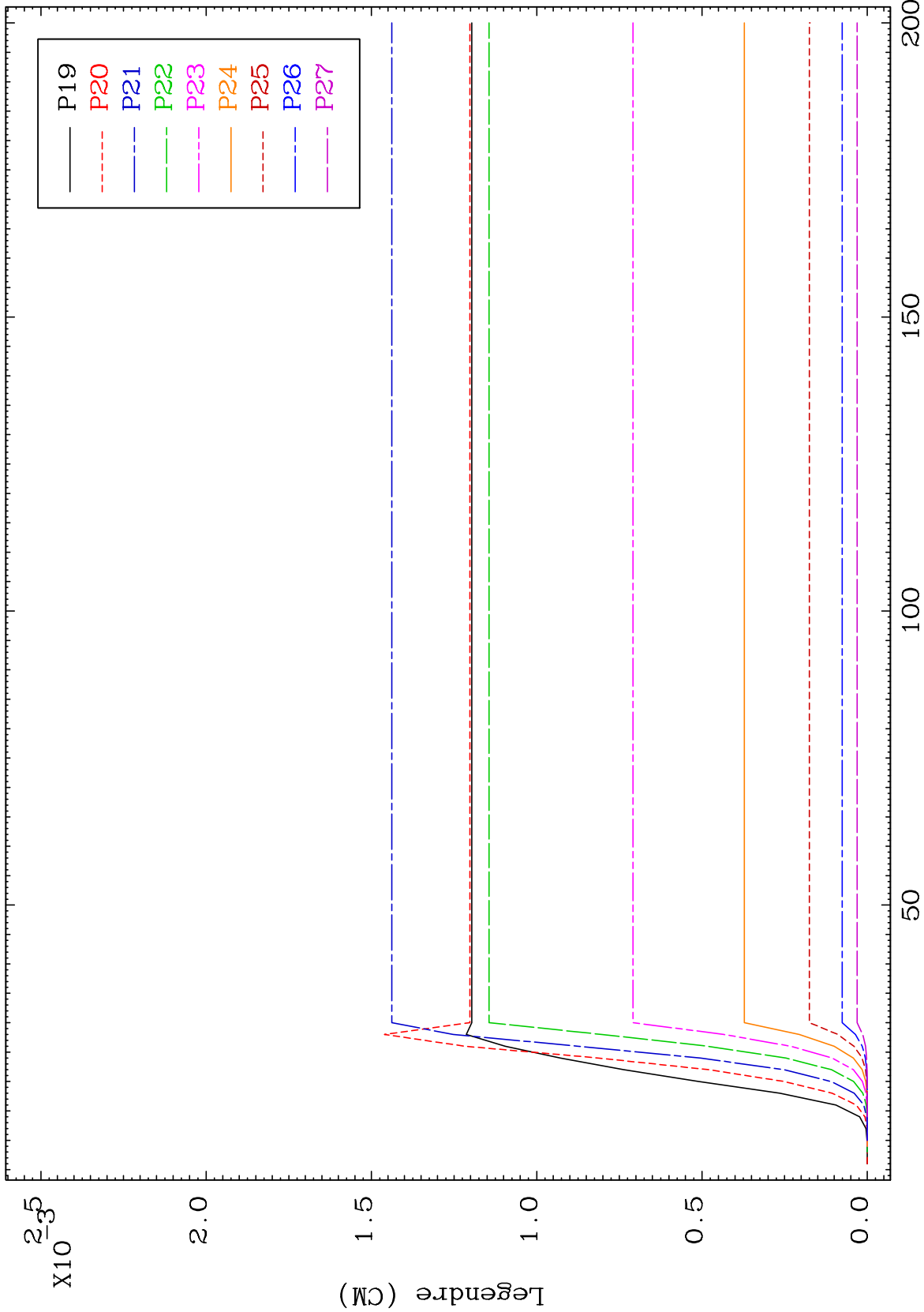
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



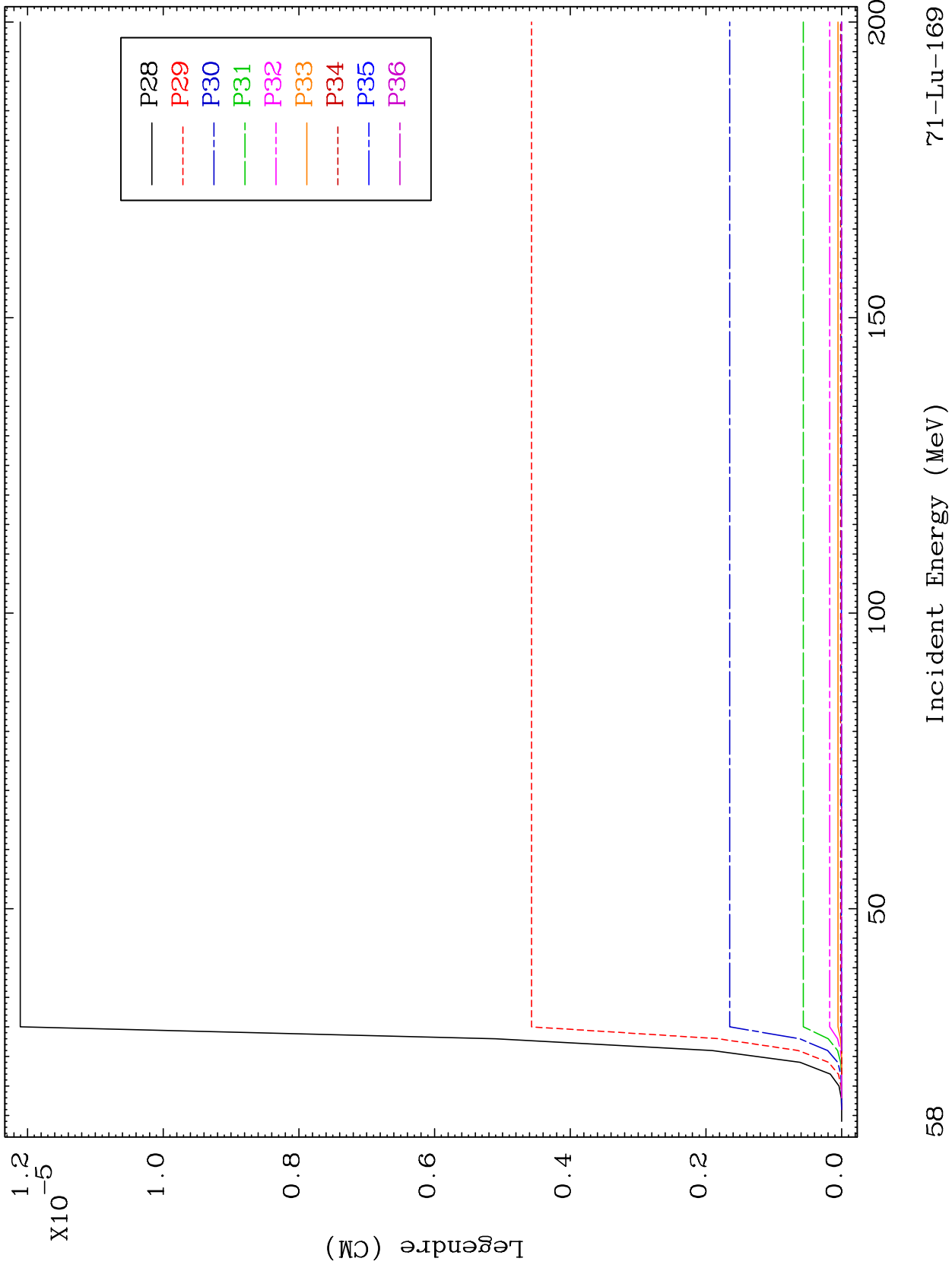
57

71-Lu-169

MAT 7107

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

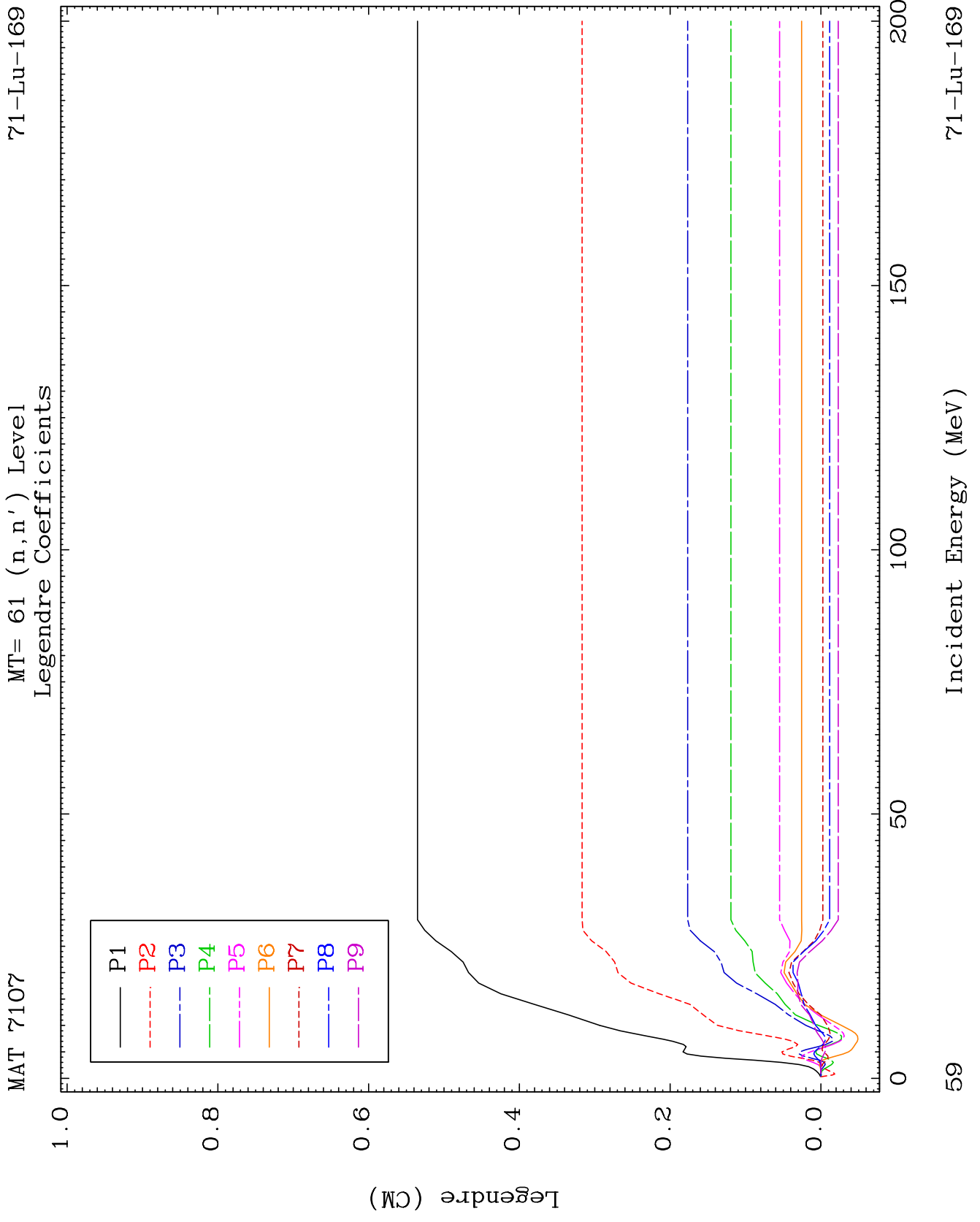
71-Lu-169

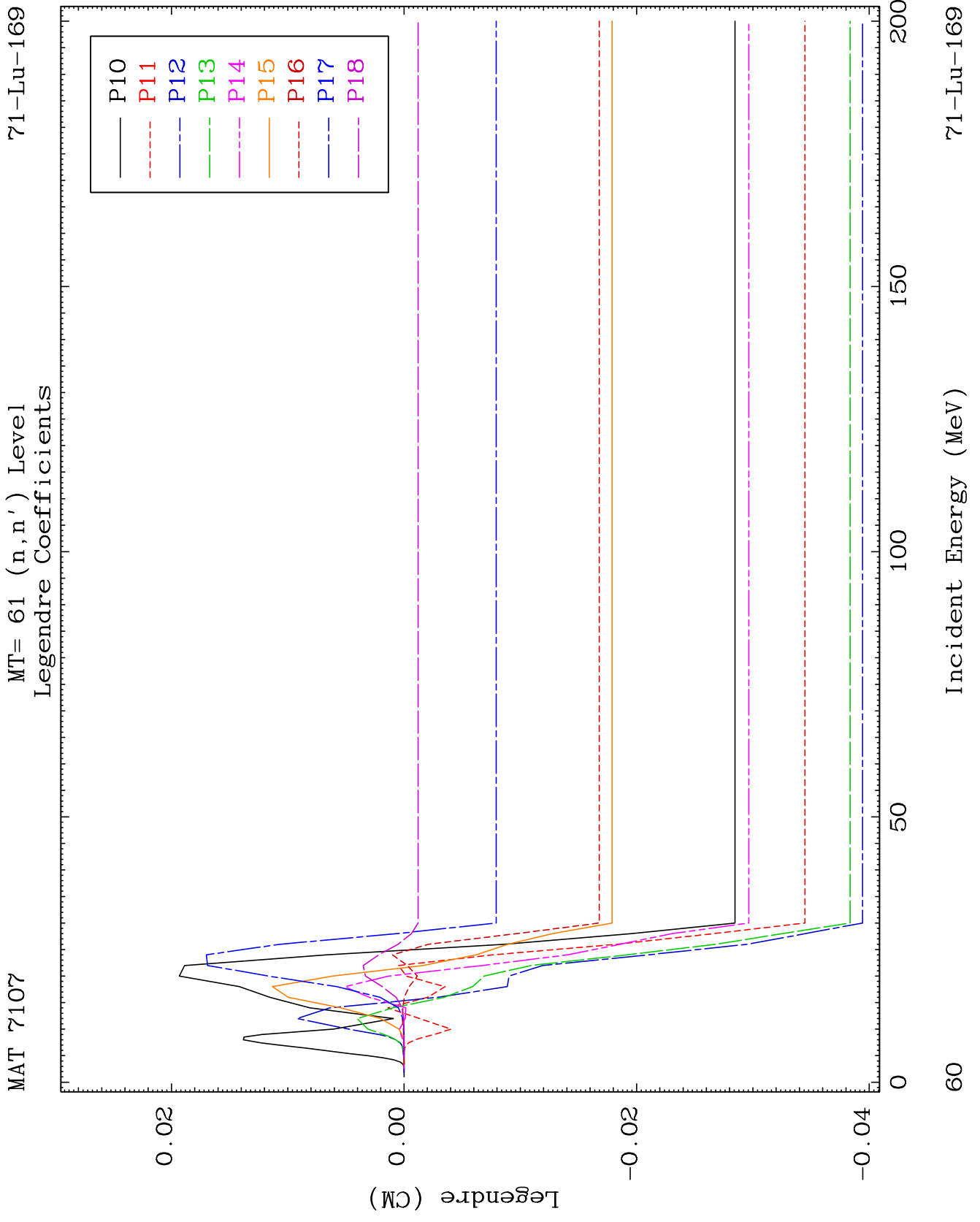


58

Incident Energy (MeV)

71-Lu-169

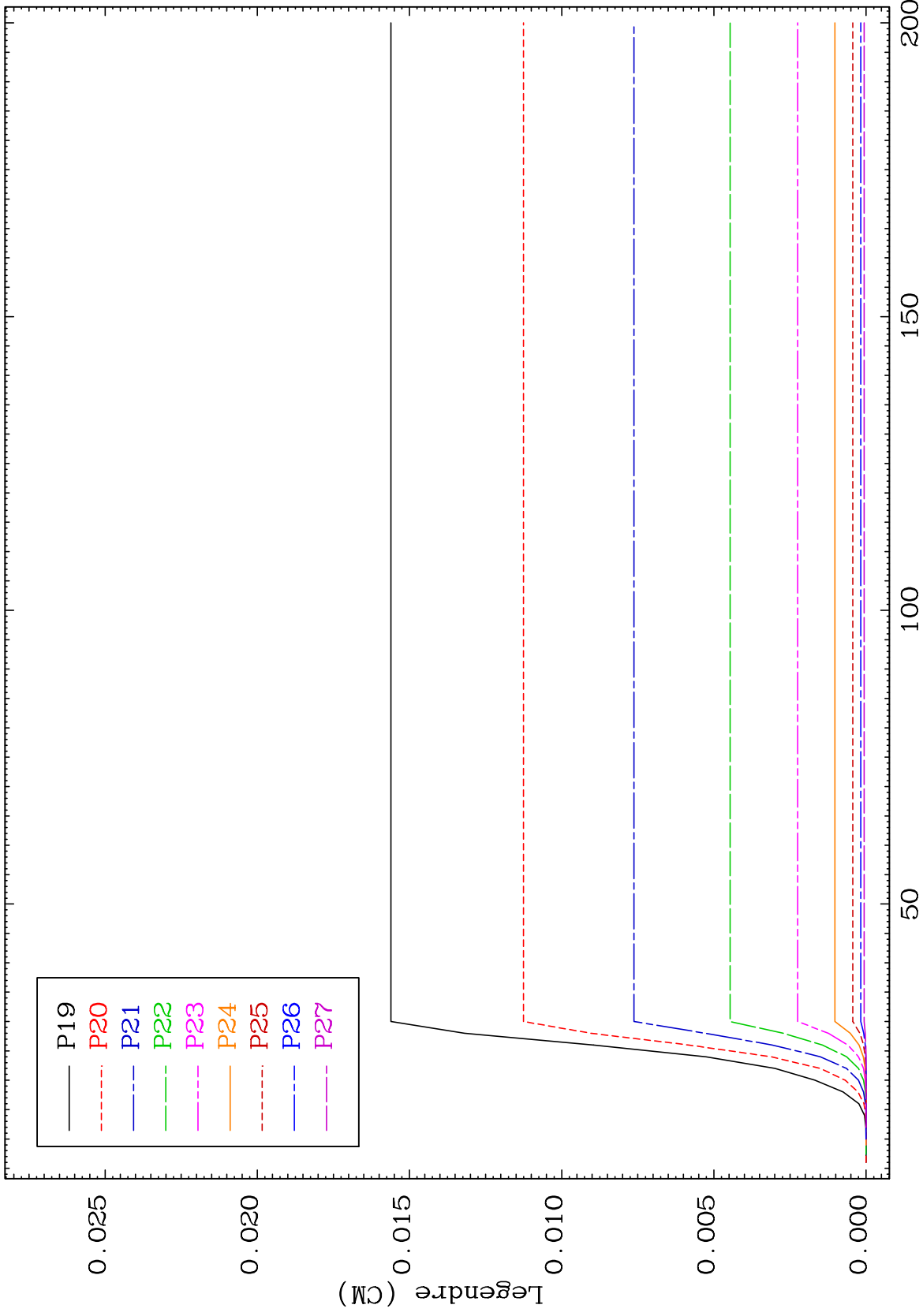




MAT 7107

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

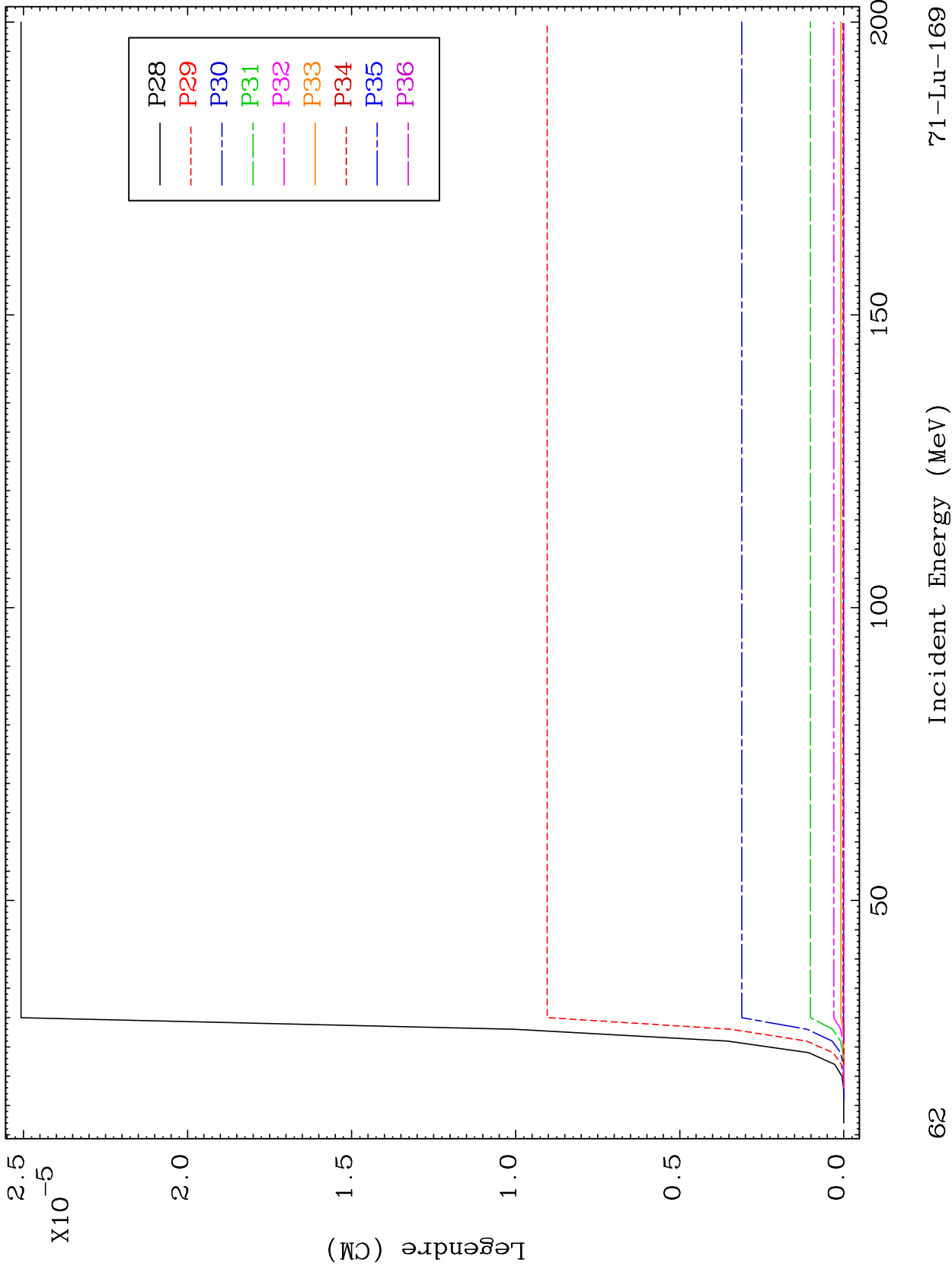
71-Lu-169



61

Incident Energy (MeV)

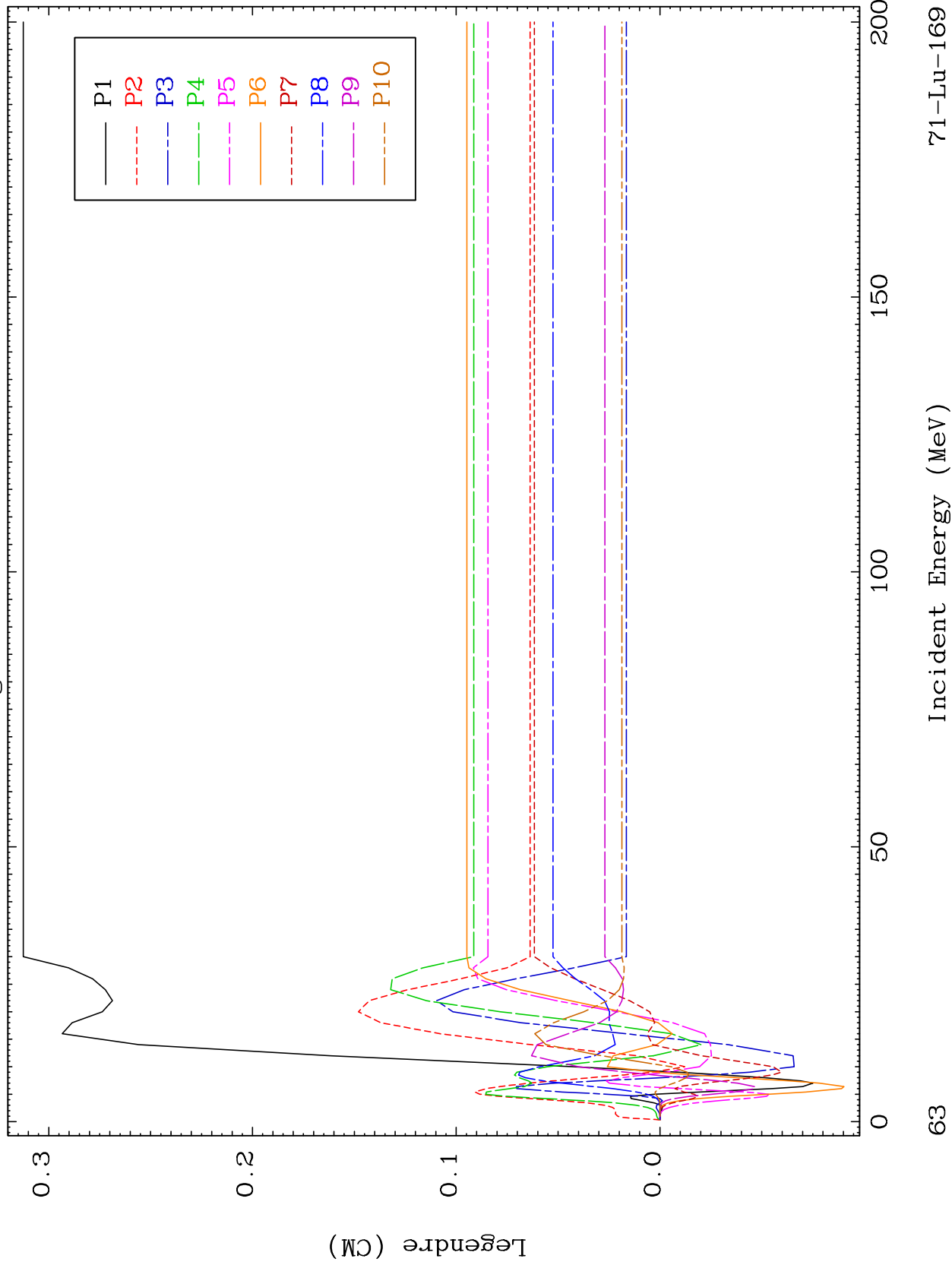
71-Lu-169



MAT 7107

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

71-Lu-169



71-Lu-169

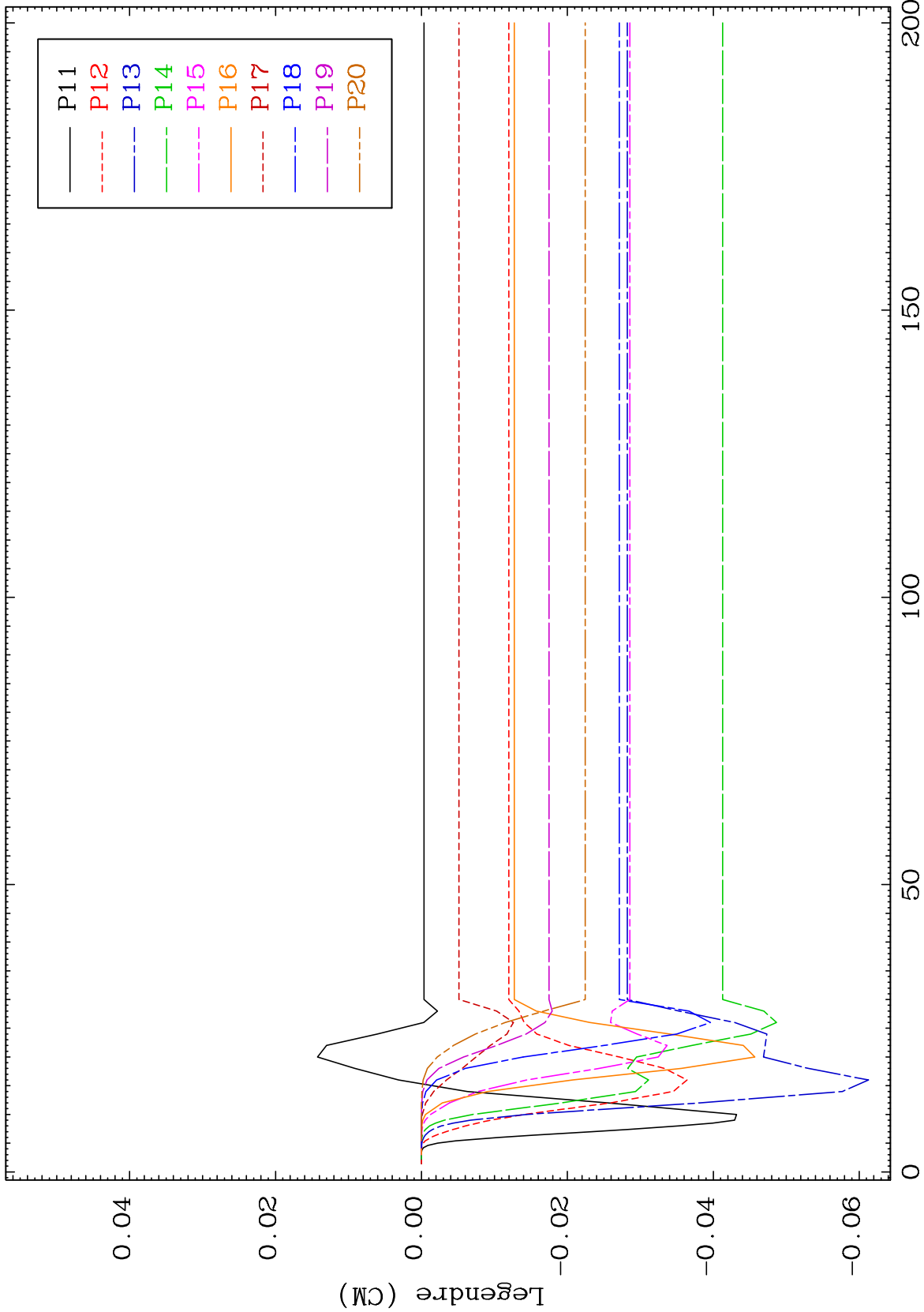
Incident Energy (MeV)

63

MAT 7107

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

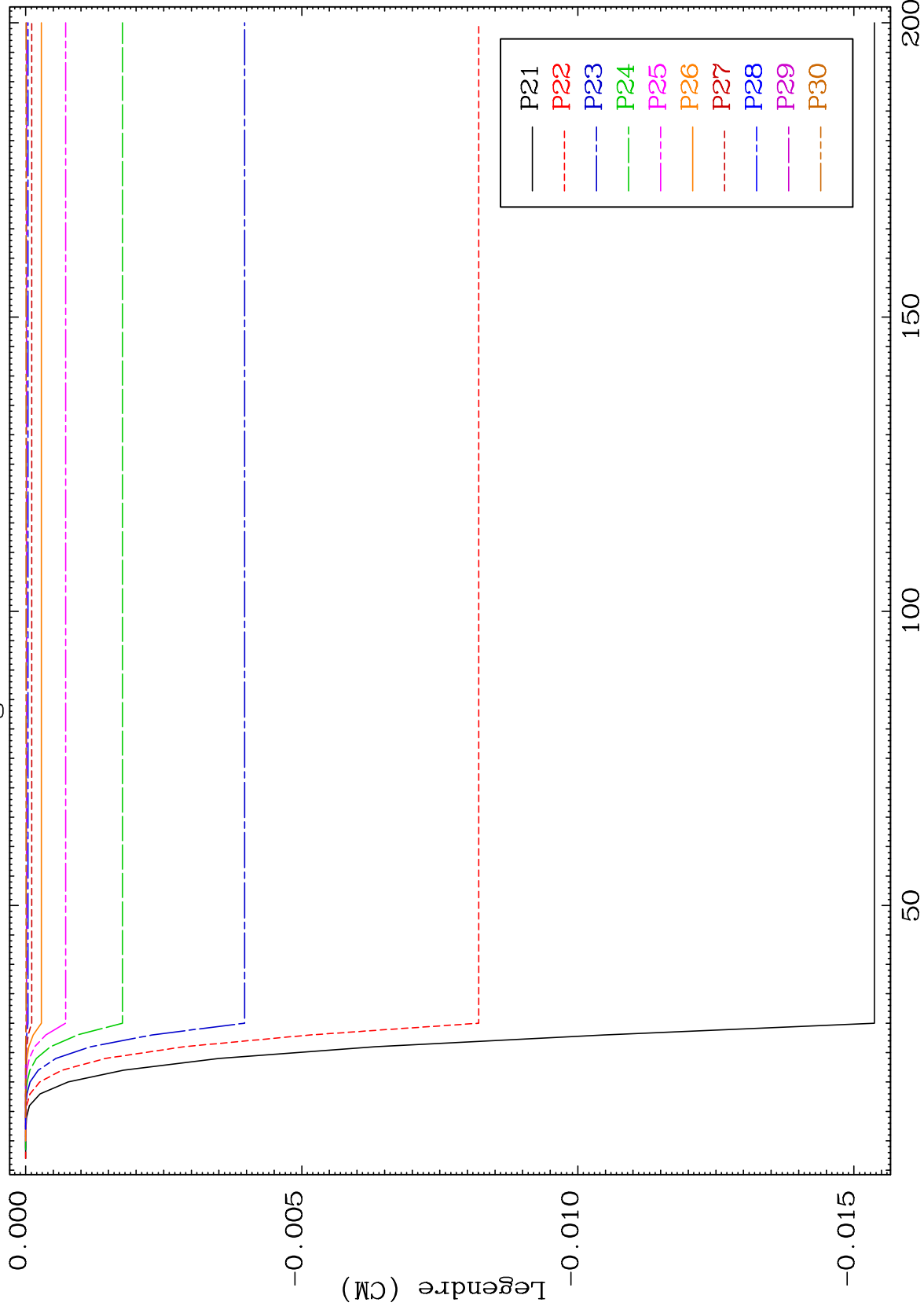
71-Lu-169

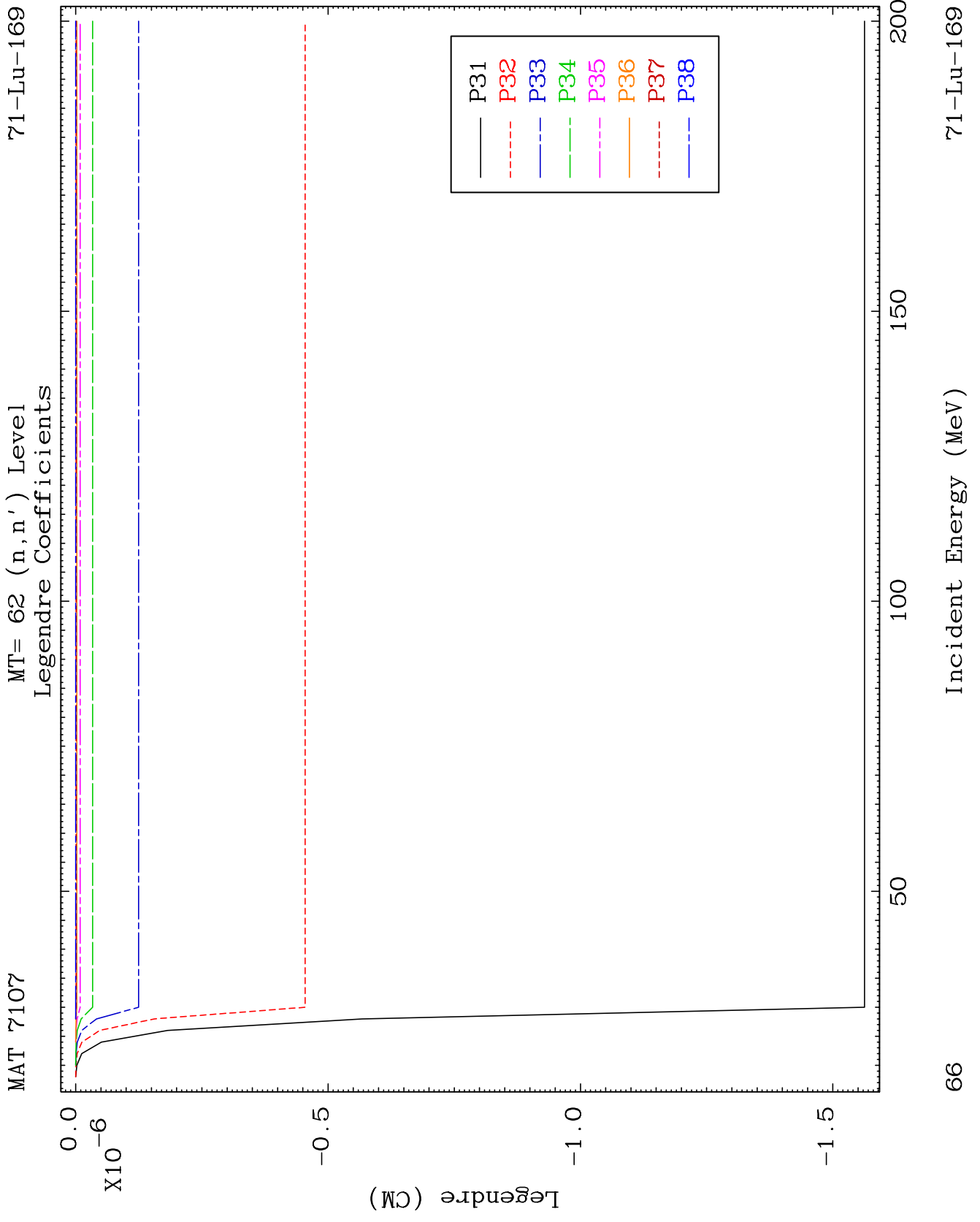


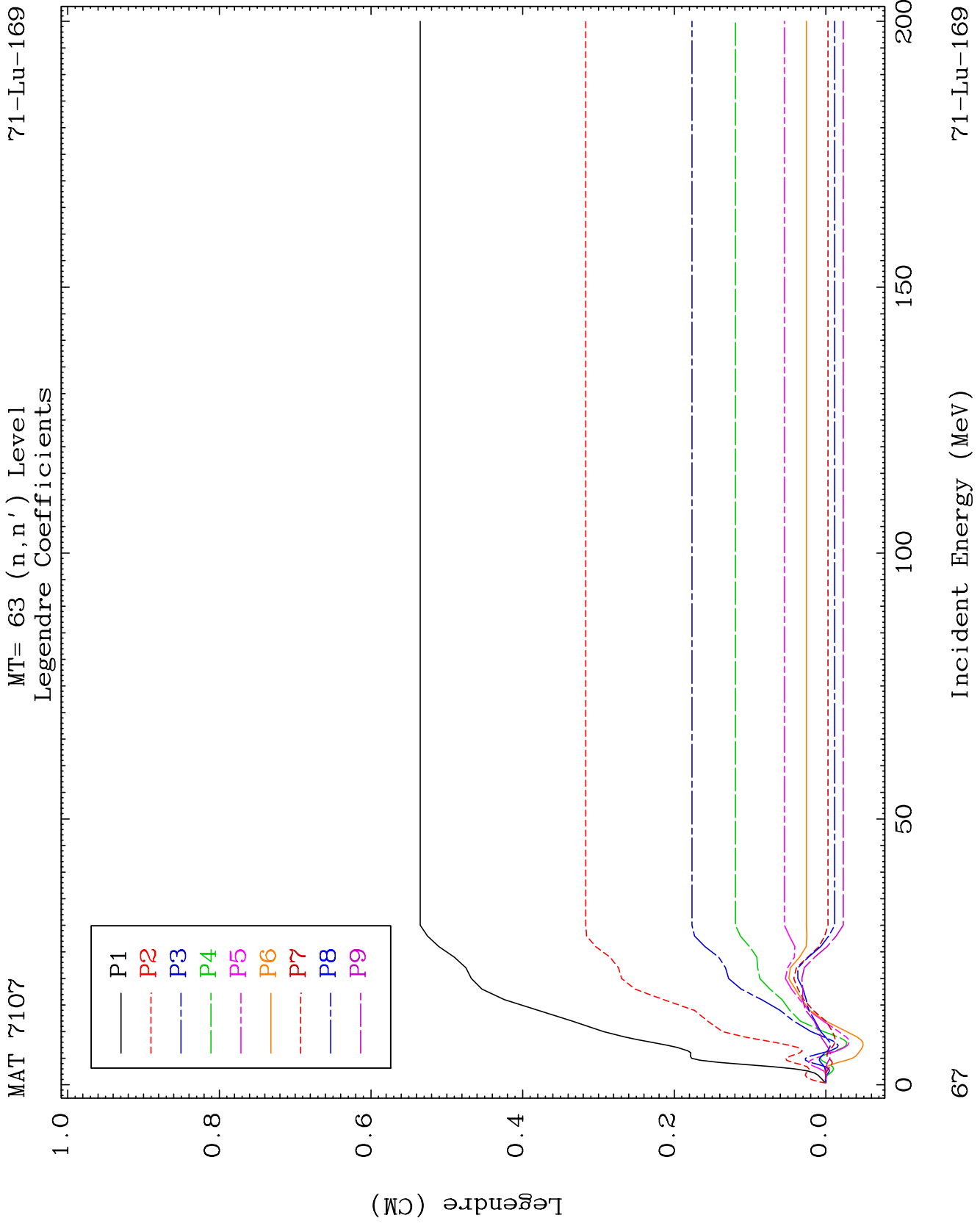
64

Incident Energy (MeV)

71-Lu-169



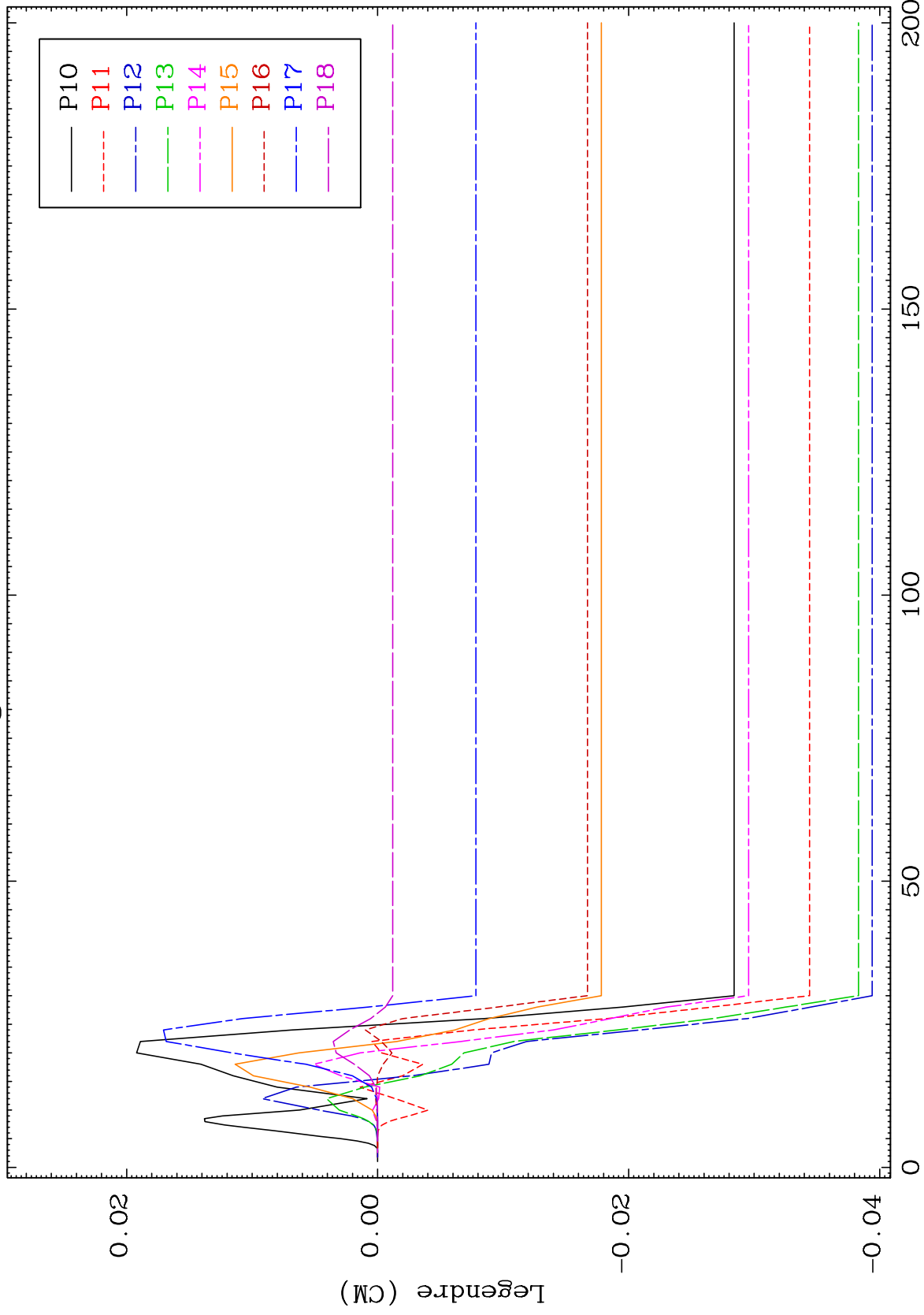




MAT 7107

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

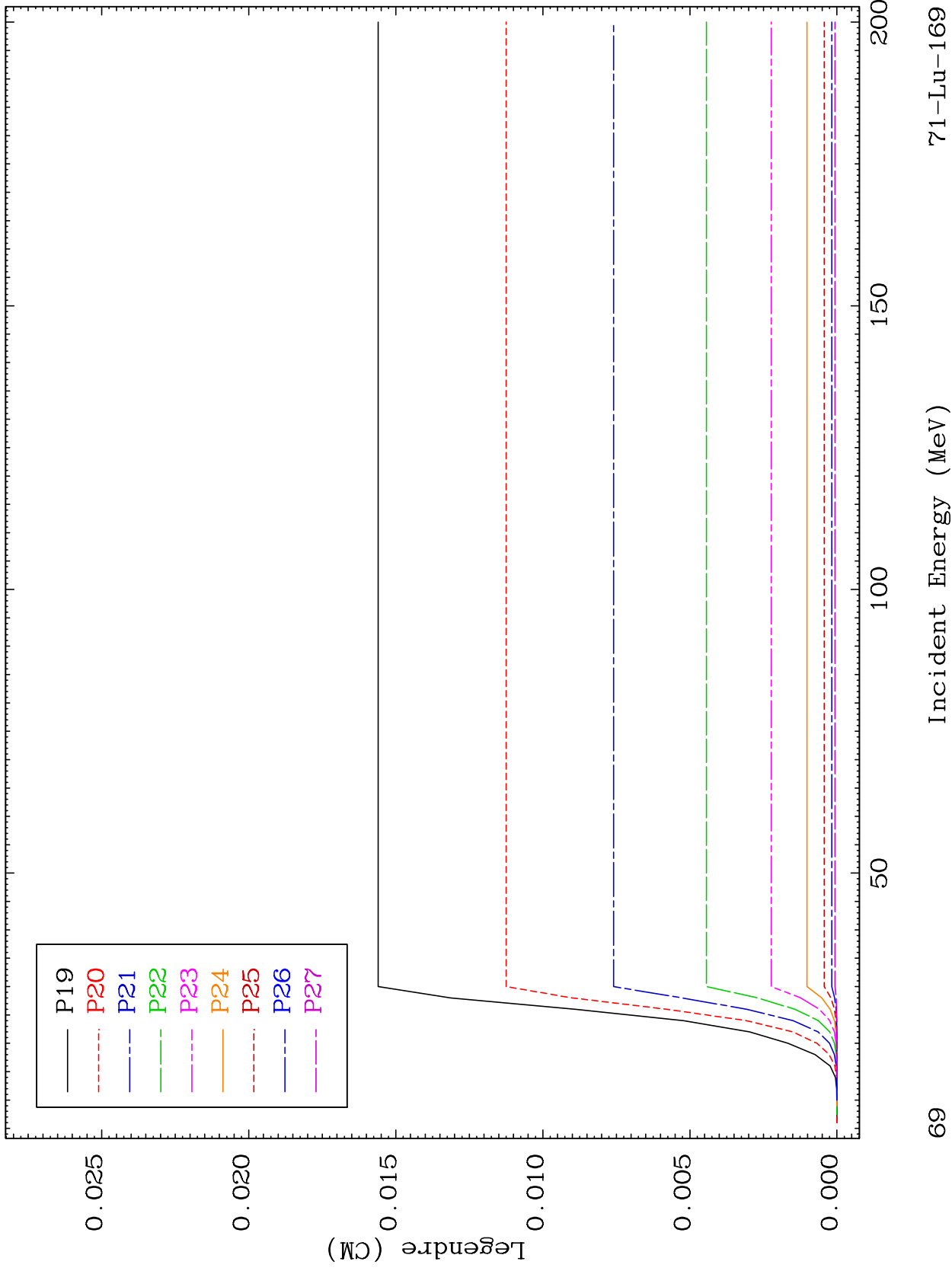
71-Lu-169

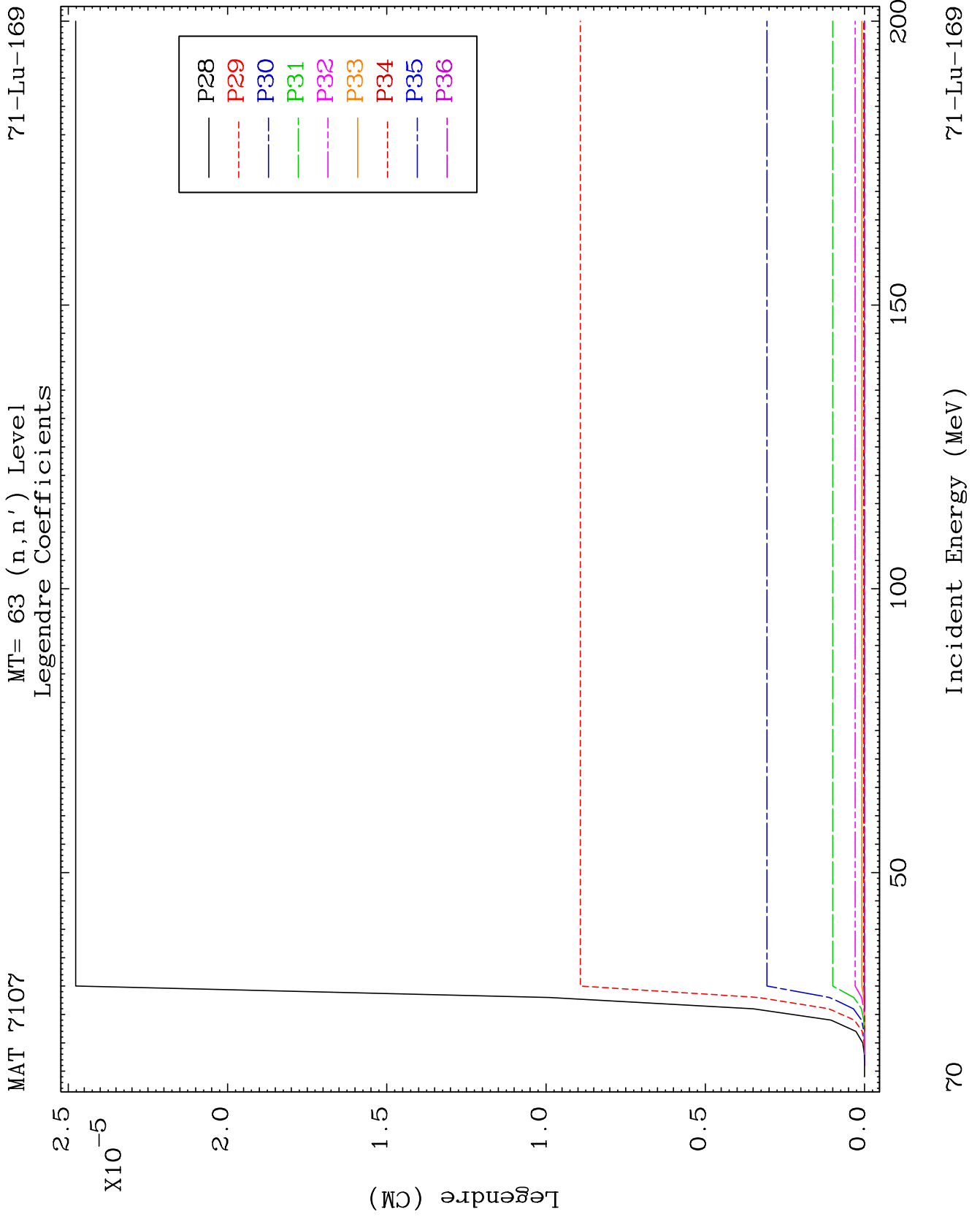


68

Incident Energy (MeV)

71-Lu-169

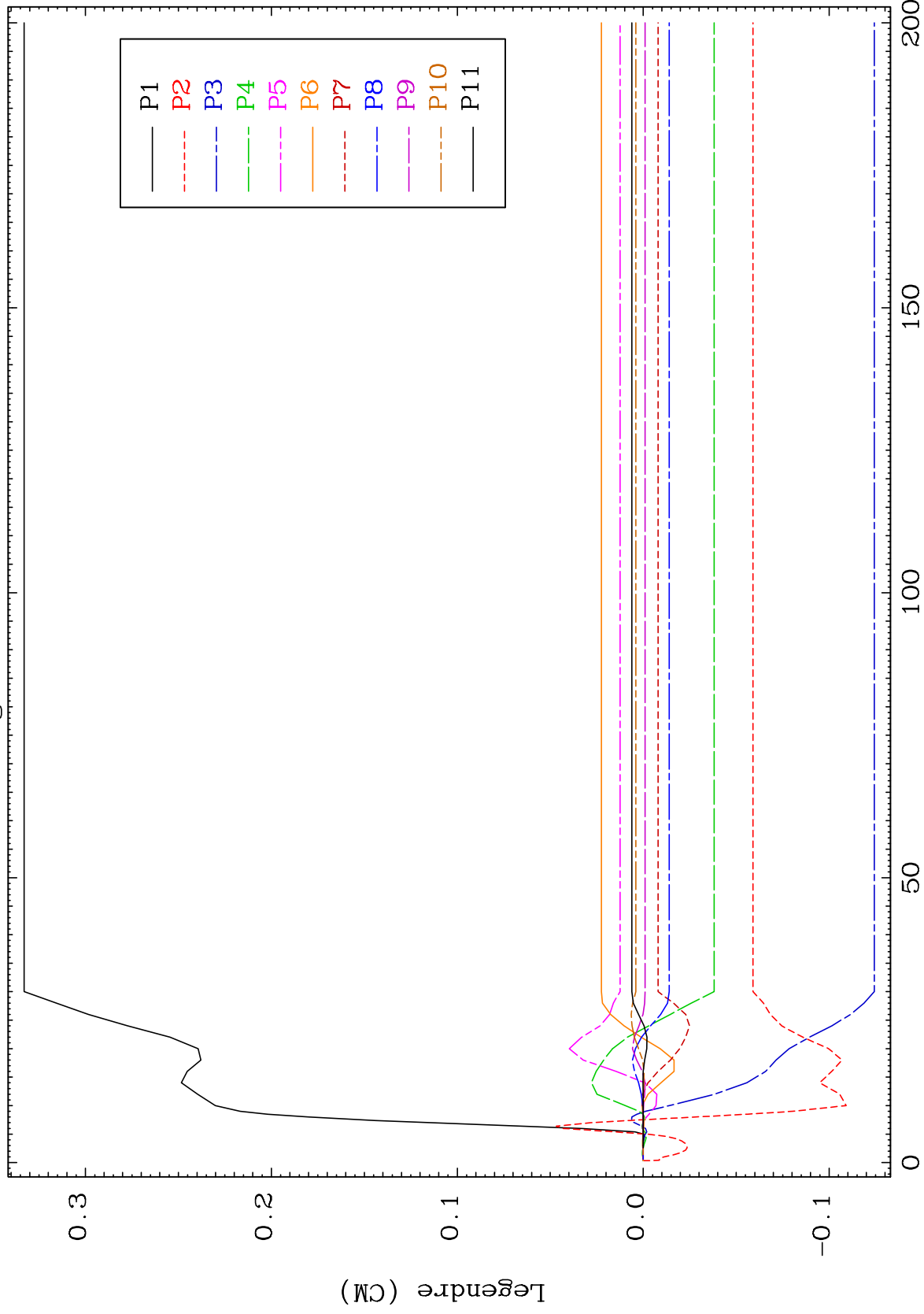




MAT 7107

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

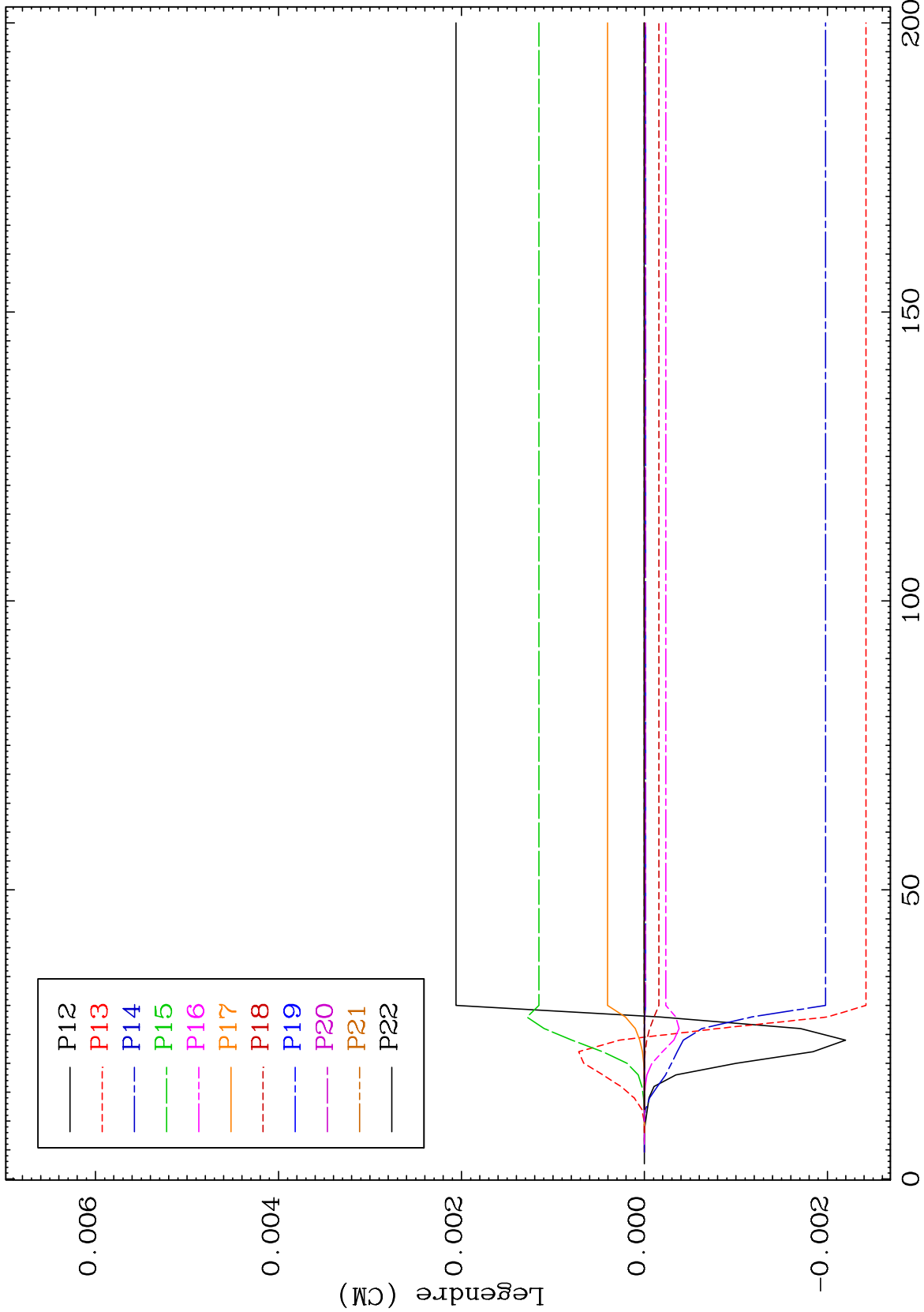
71-Lu-169



71

Incident Energy (MeV)

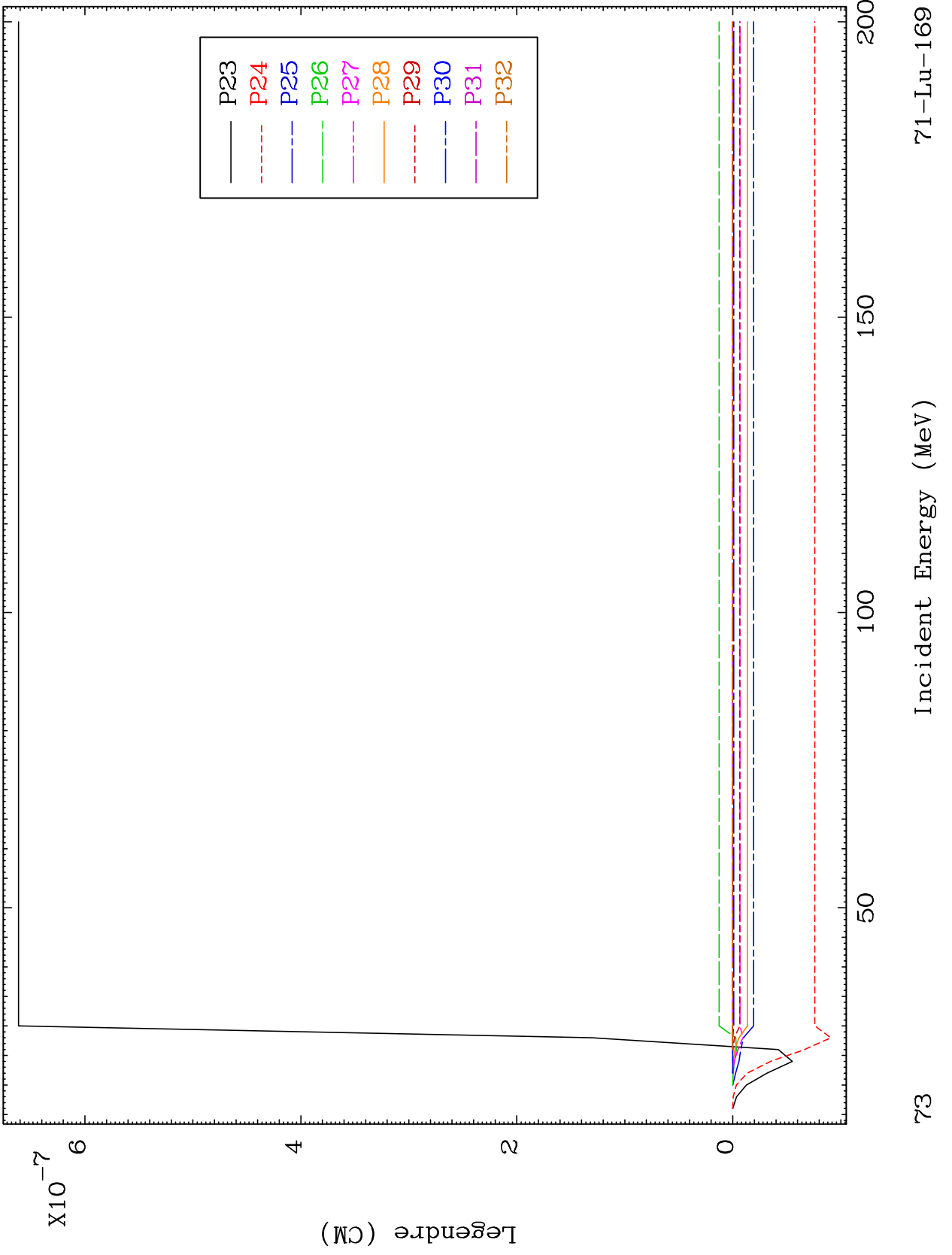
71-Lu-169

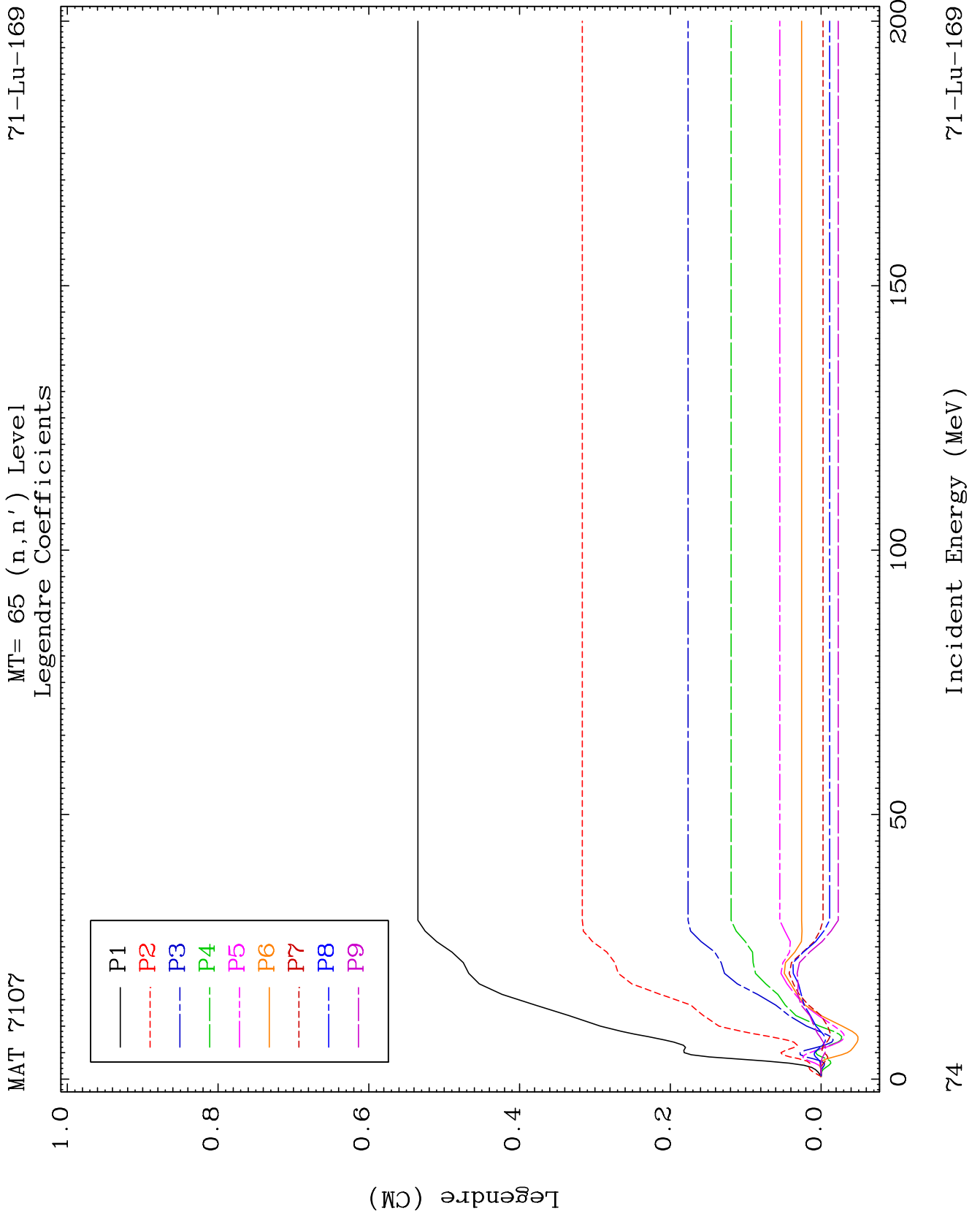


MAT 7107

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

71-Lu-169

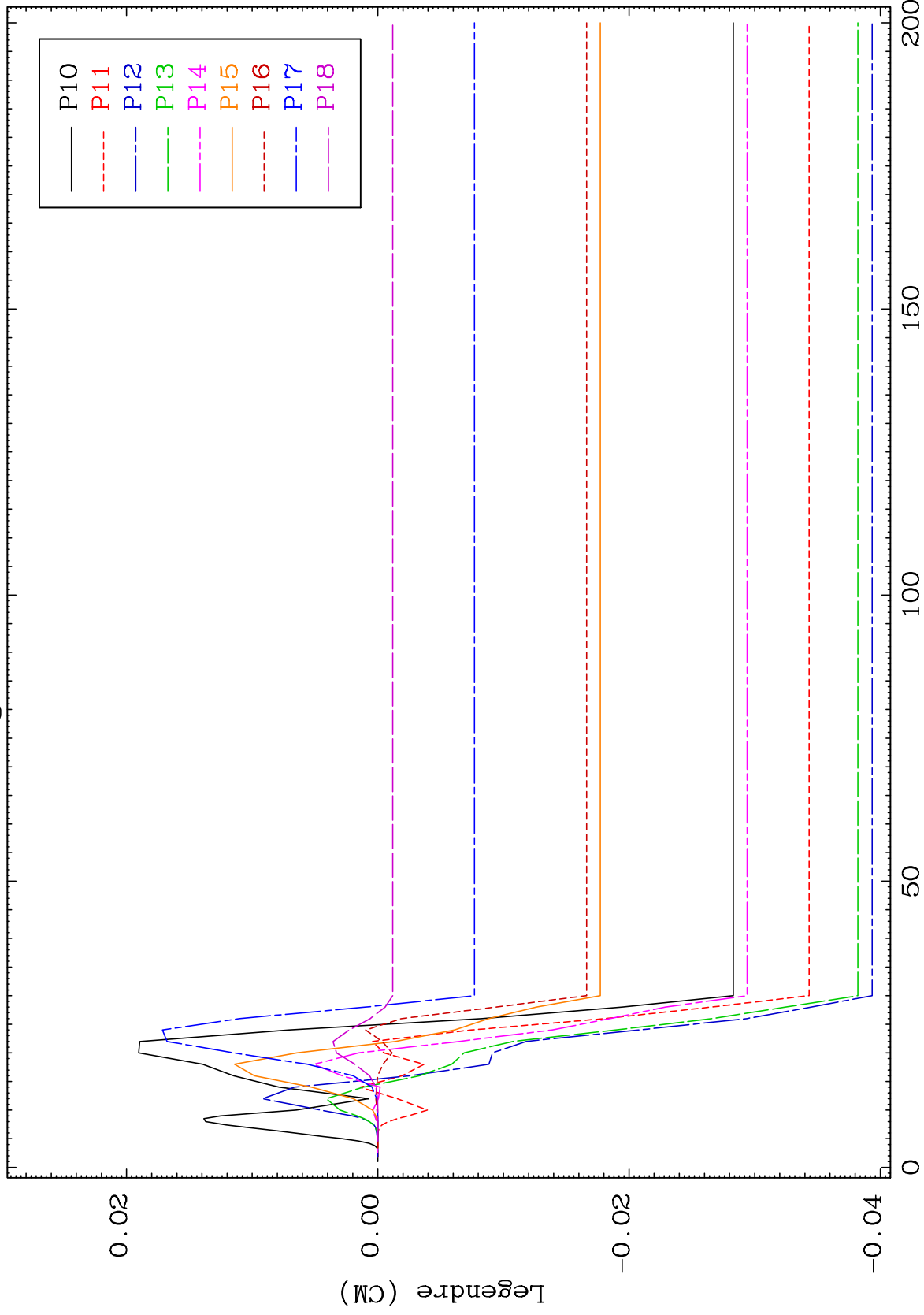




MAT 7107

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

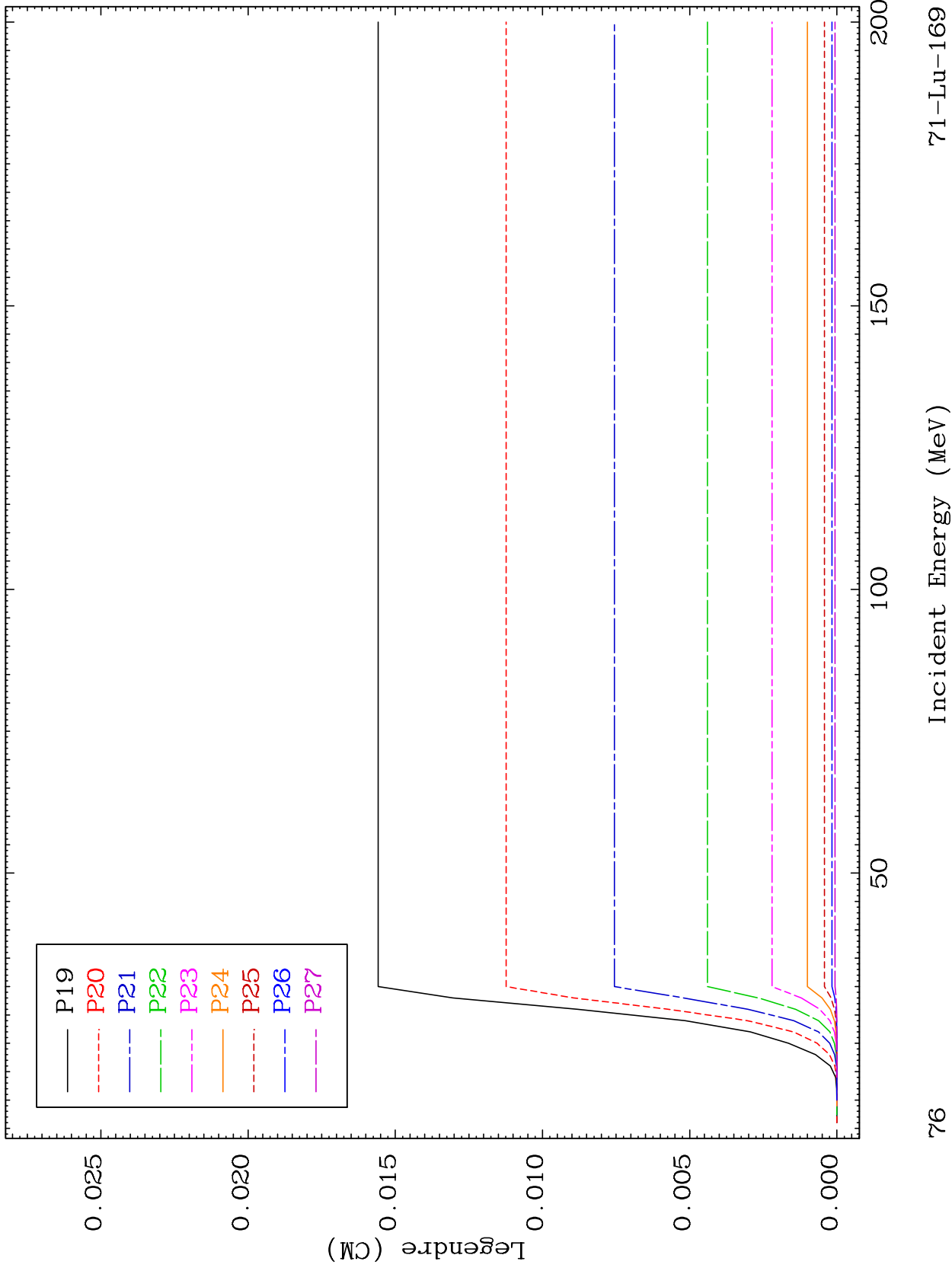
71-Lu-169



75

Incident Energy (MeV)

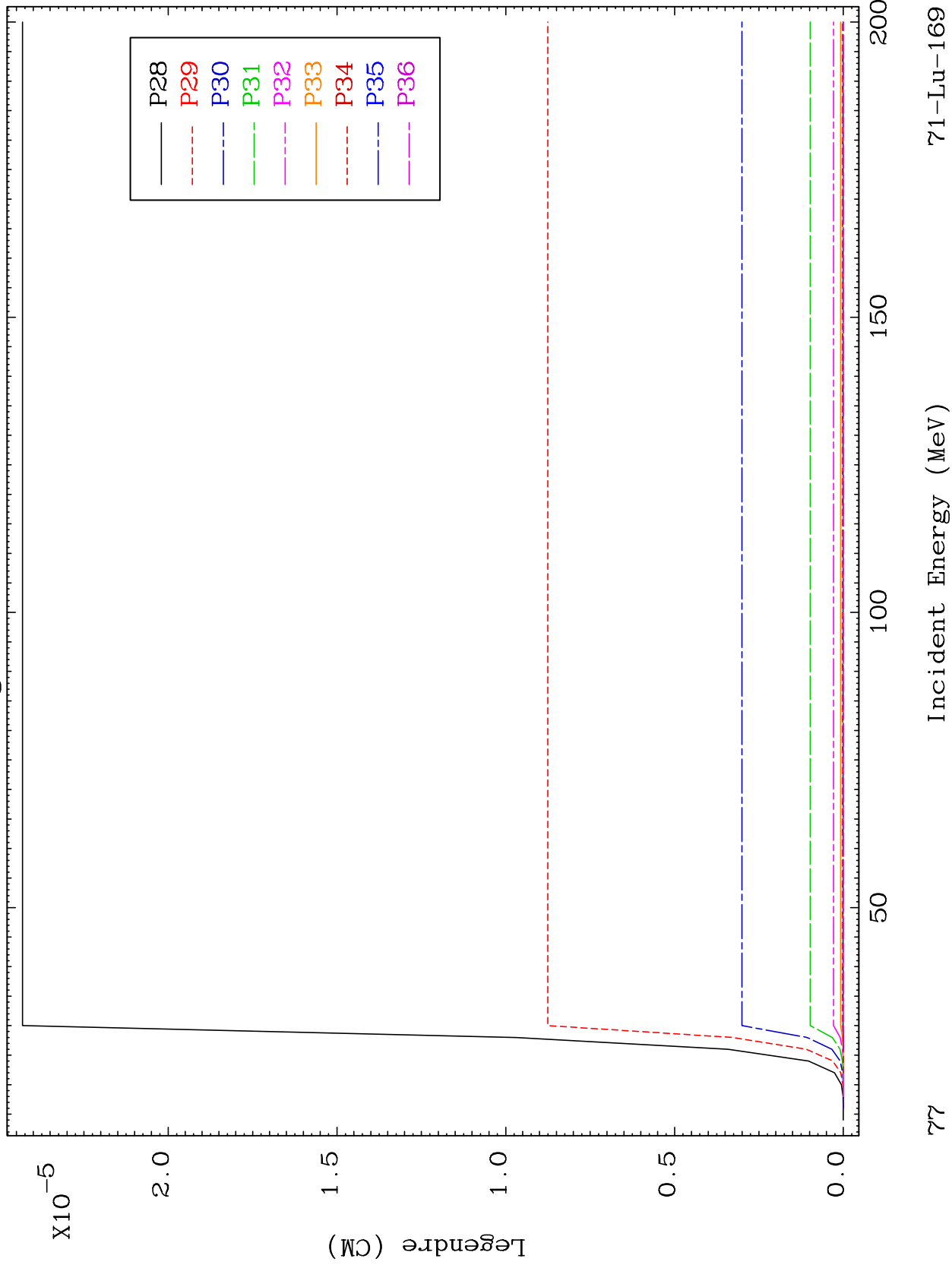
71-Lu-169



MAT 7107

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

71-Lu-169

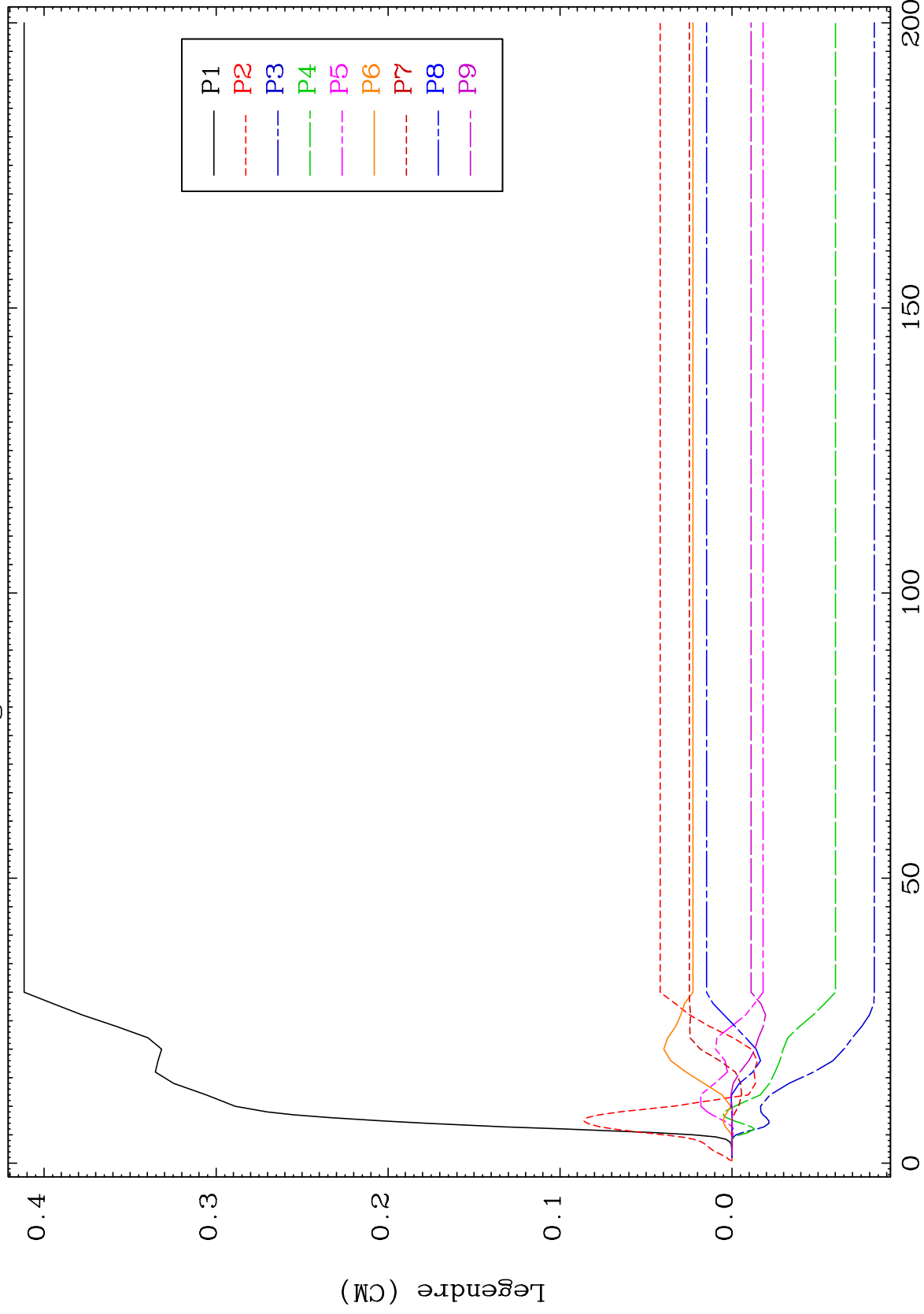


77

MAT 7107

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

71-Lu-169



78

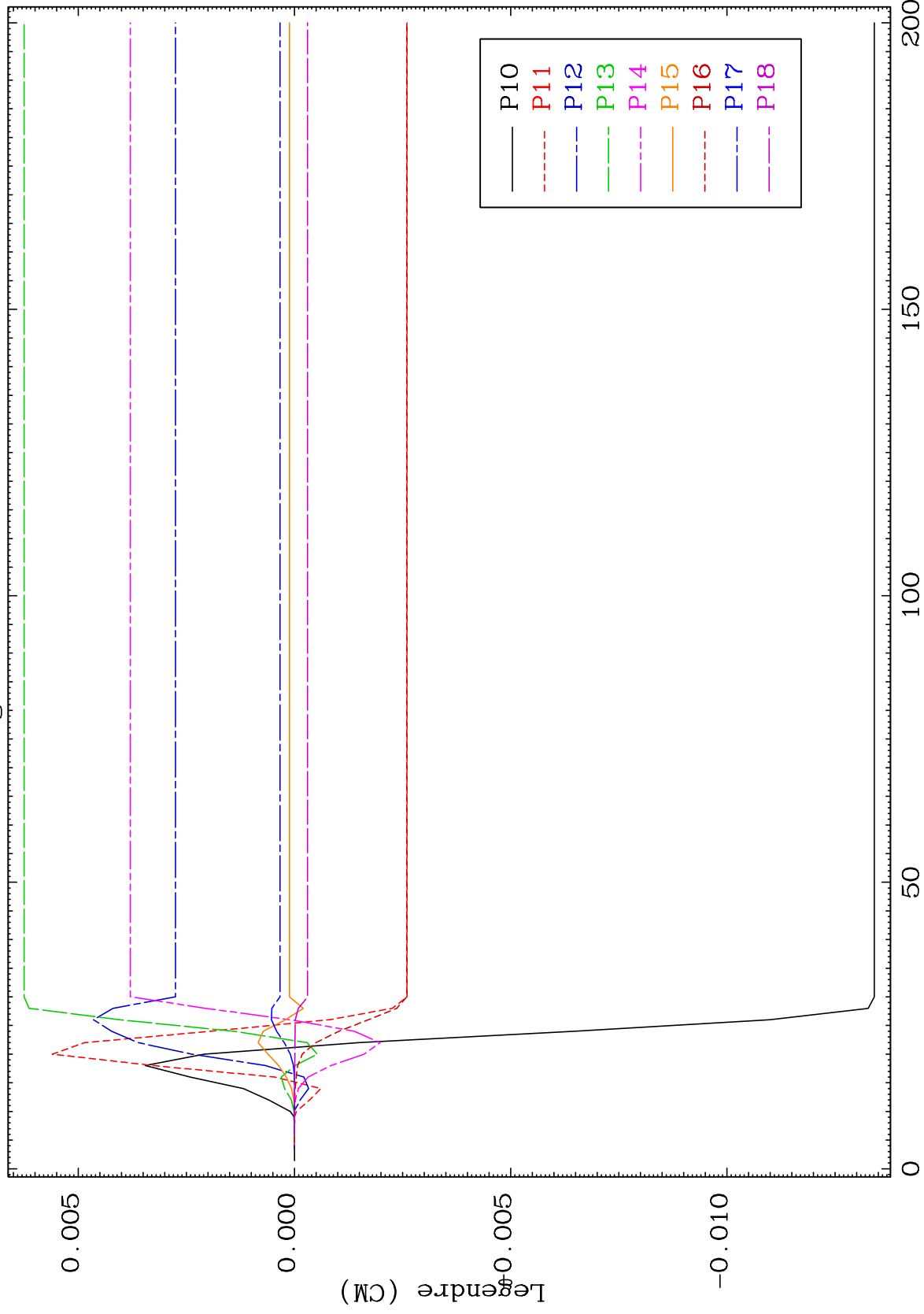
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

71-Lu-169



79

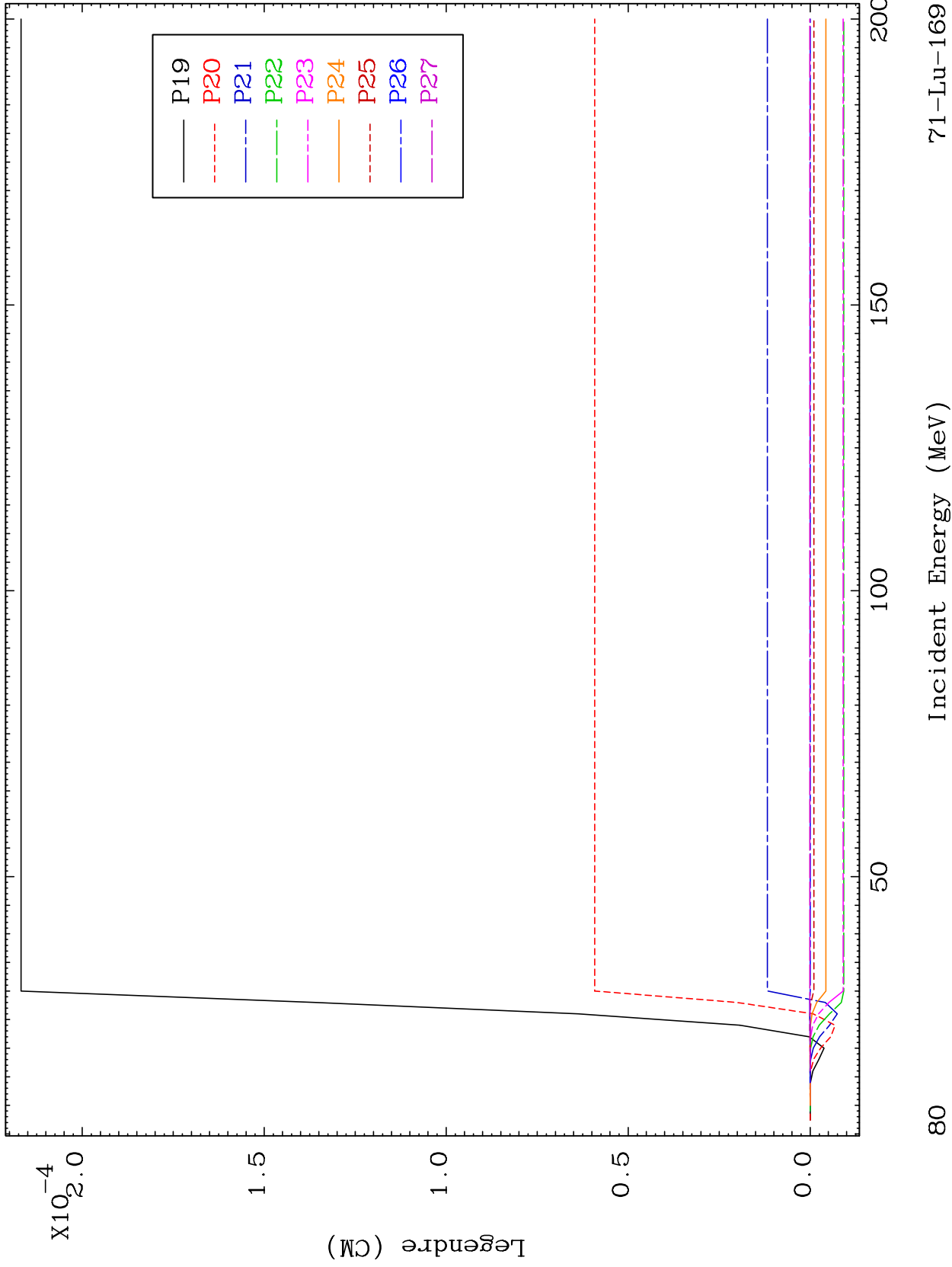
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

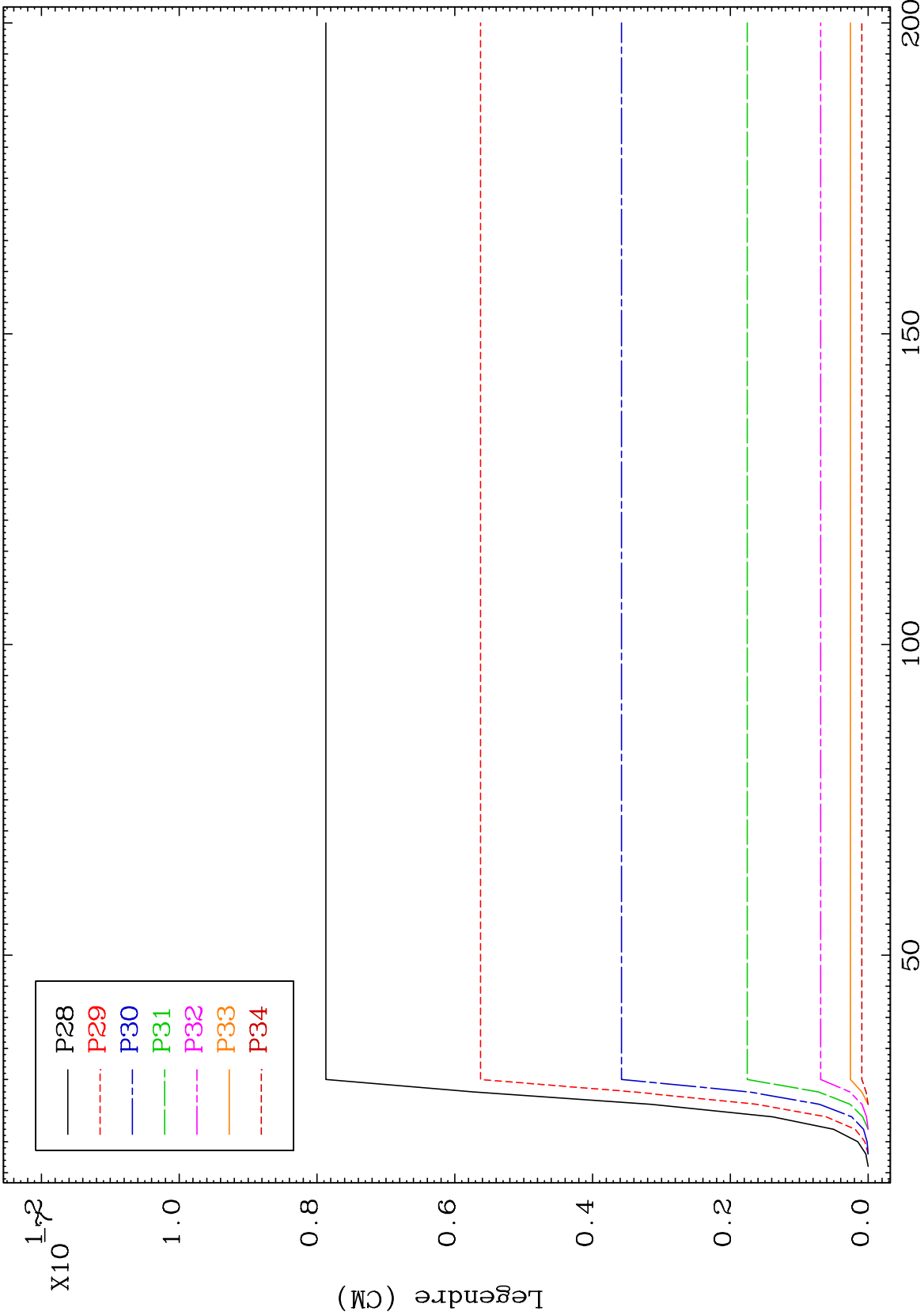
71-Lu-169



80

Incident Energy (MeV)

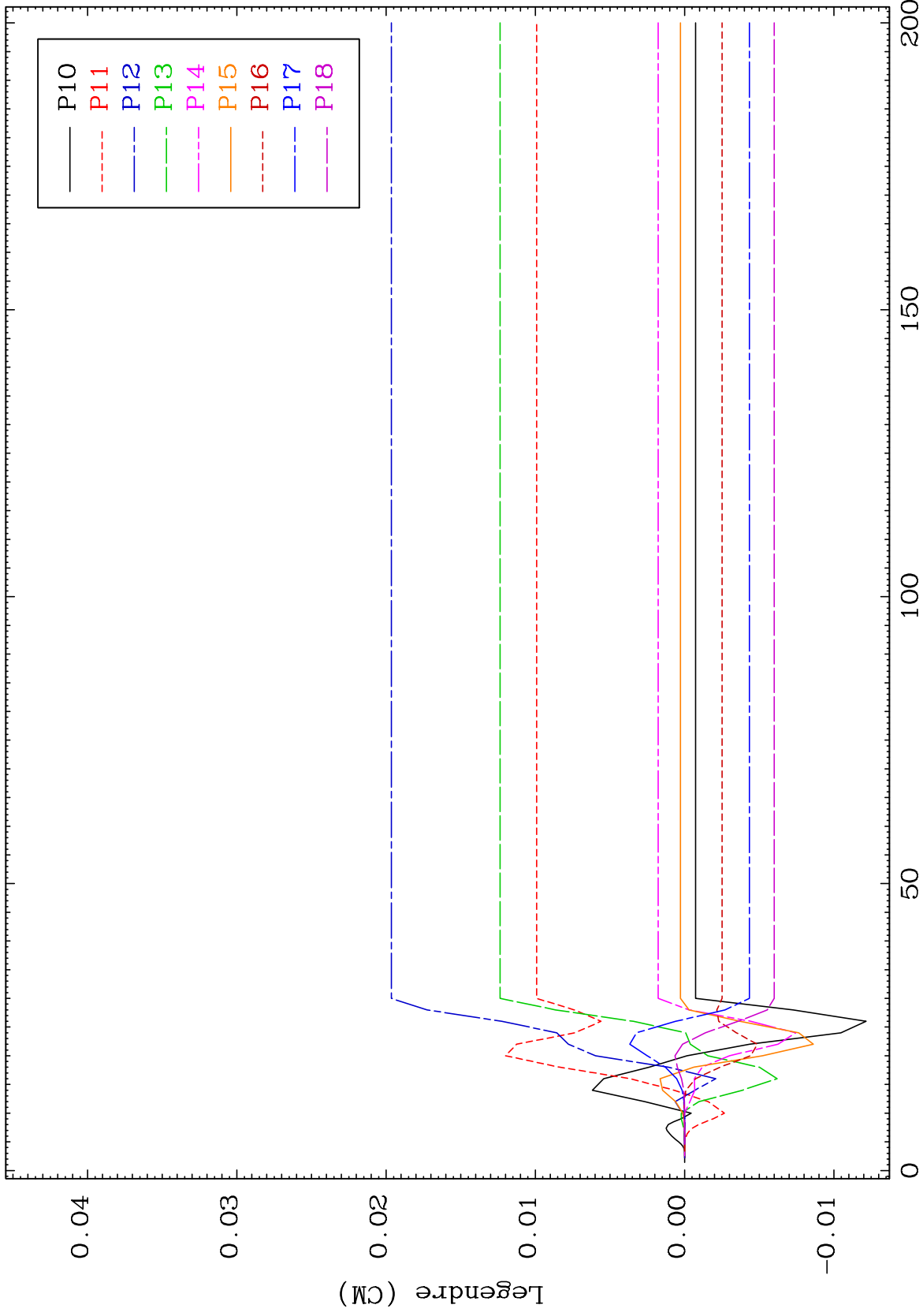
71-Lu-169



MAT 7107

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

71-Lu-169



83

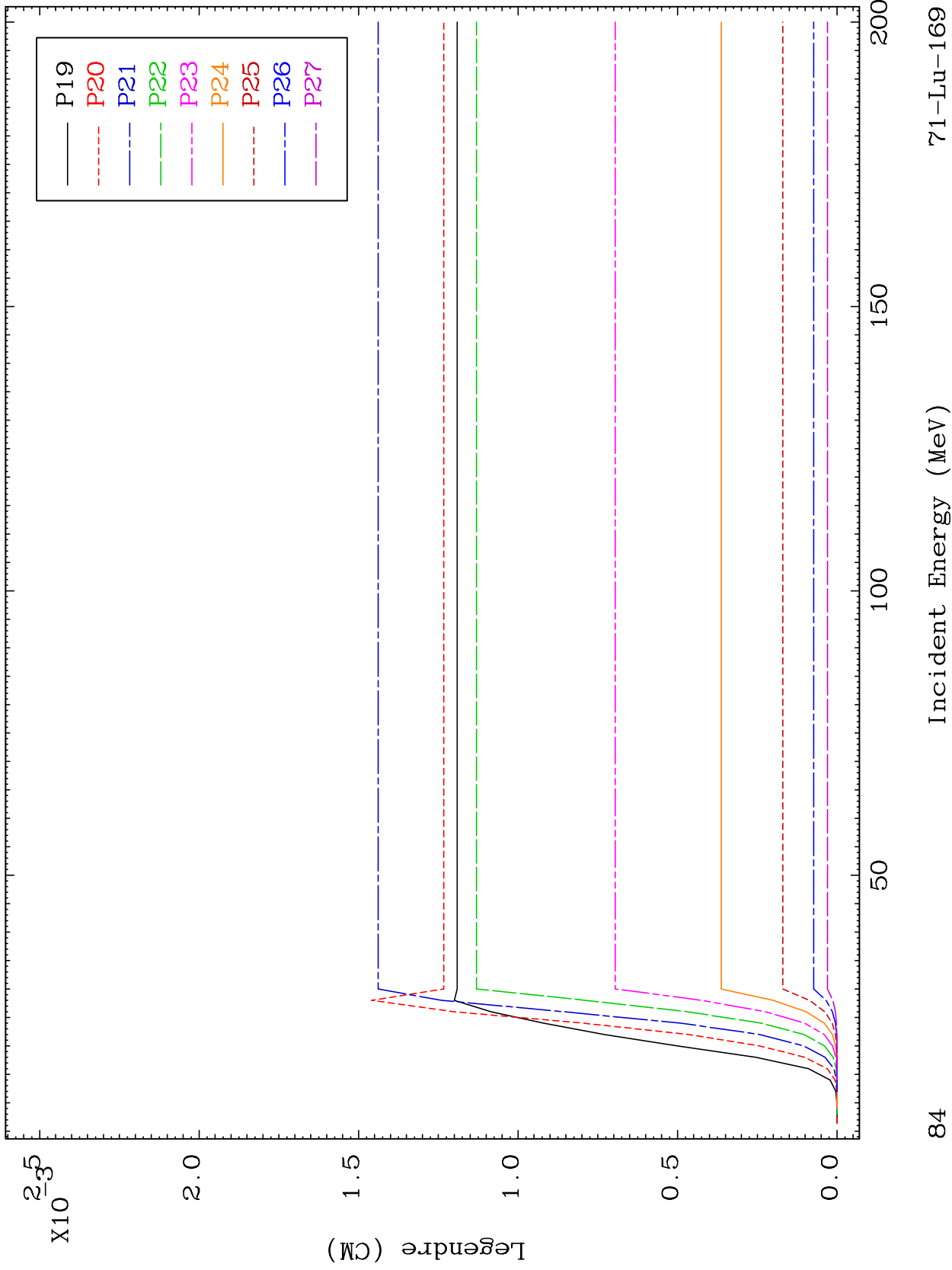
Incident Energy (MeV)

71-Lu-169

MAT 7107

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

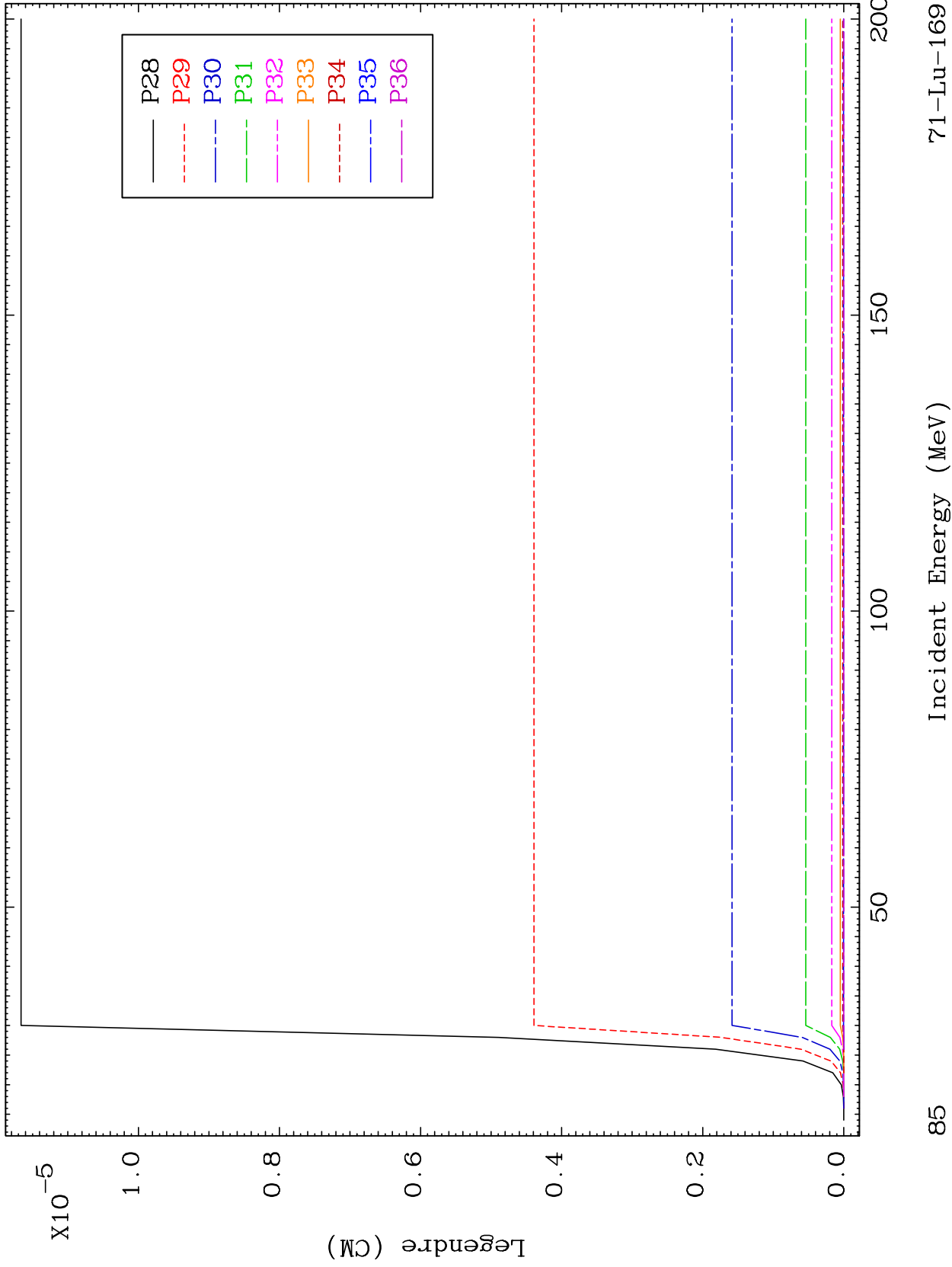
71-Lu-169



MAT 7107

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

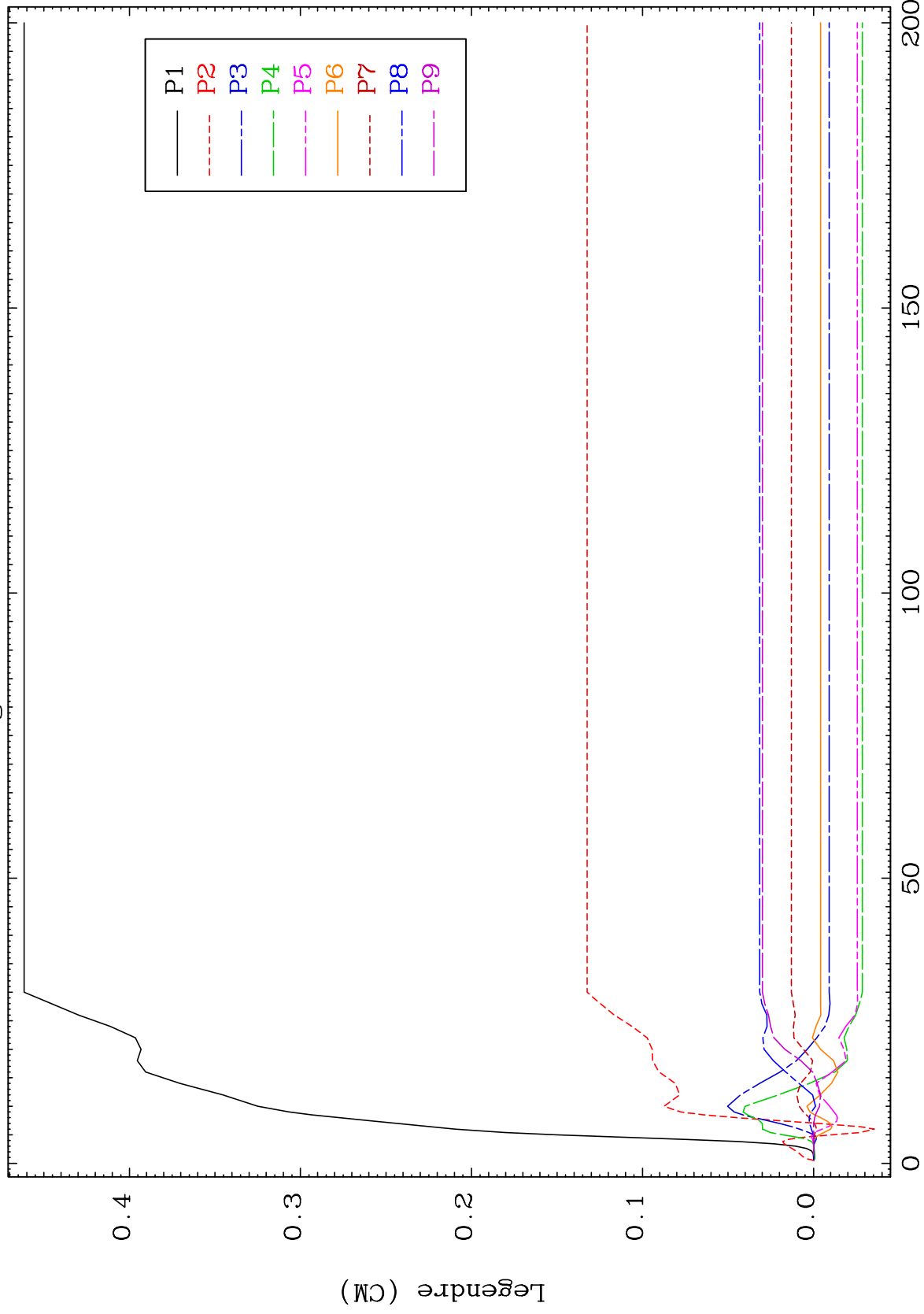
71-Lu-169



MAT 7107

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

71-Lu-169



Incident Energy (MeV)

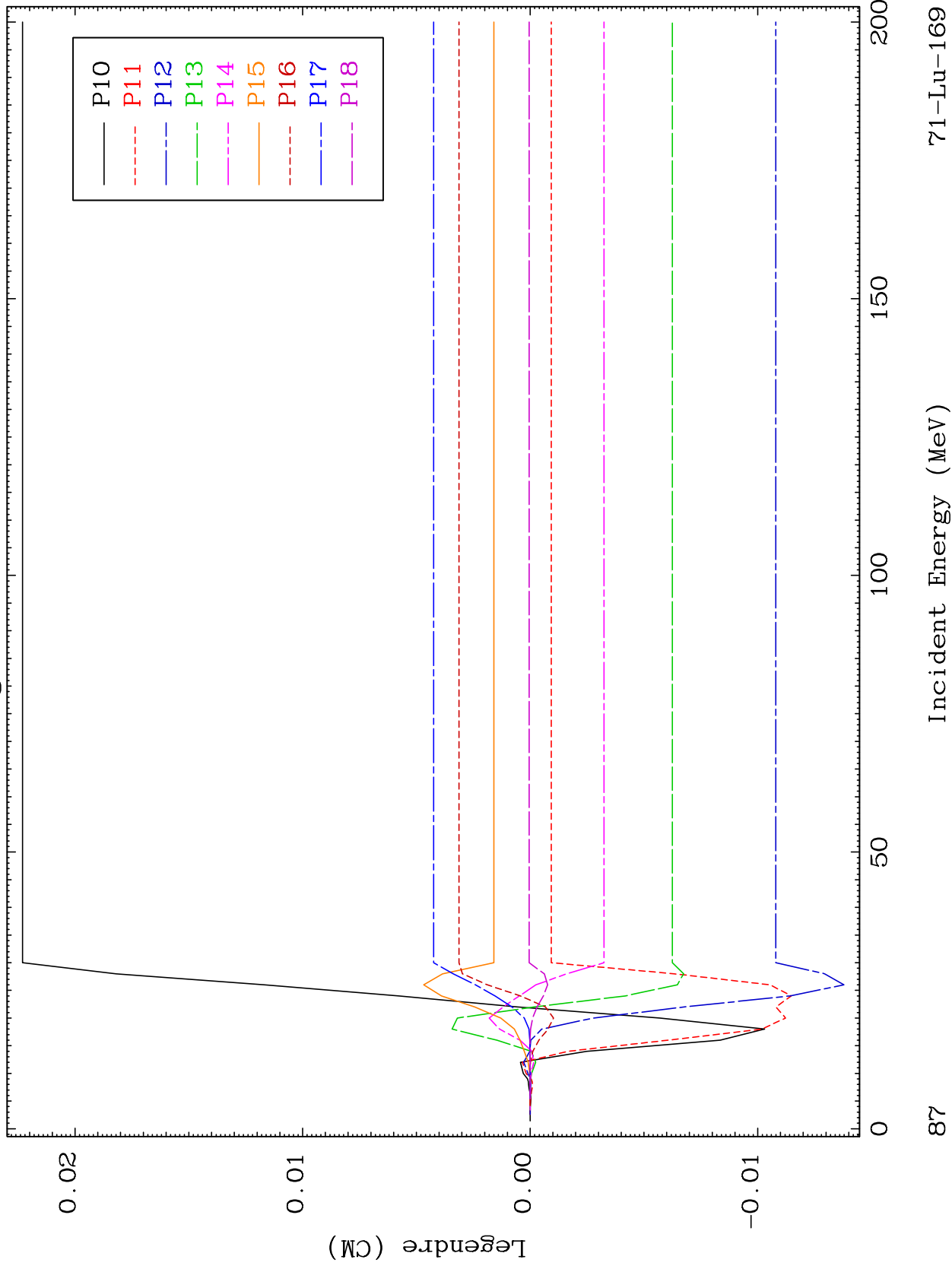
71-Lu-169

86

MAT 7107

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

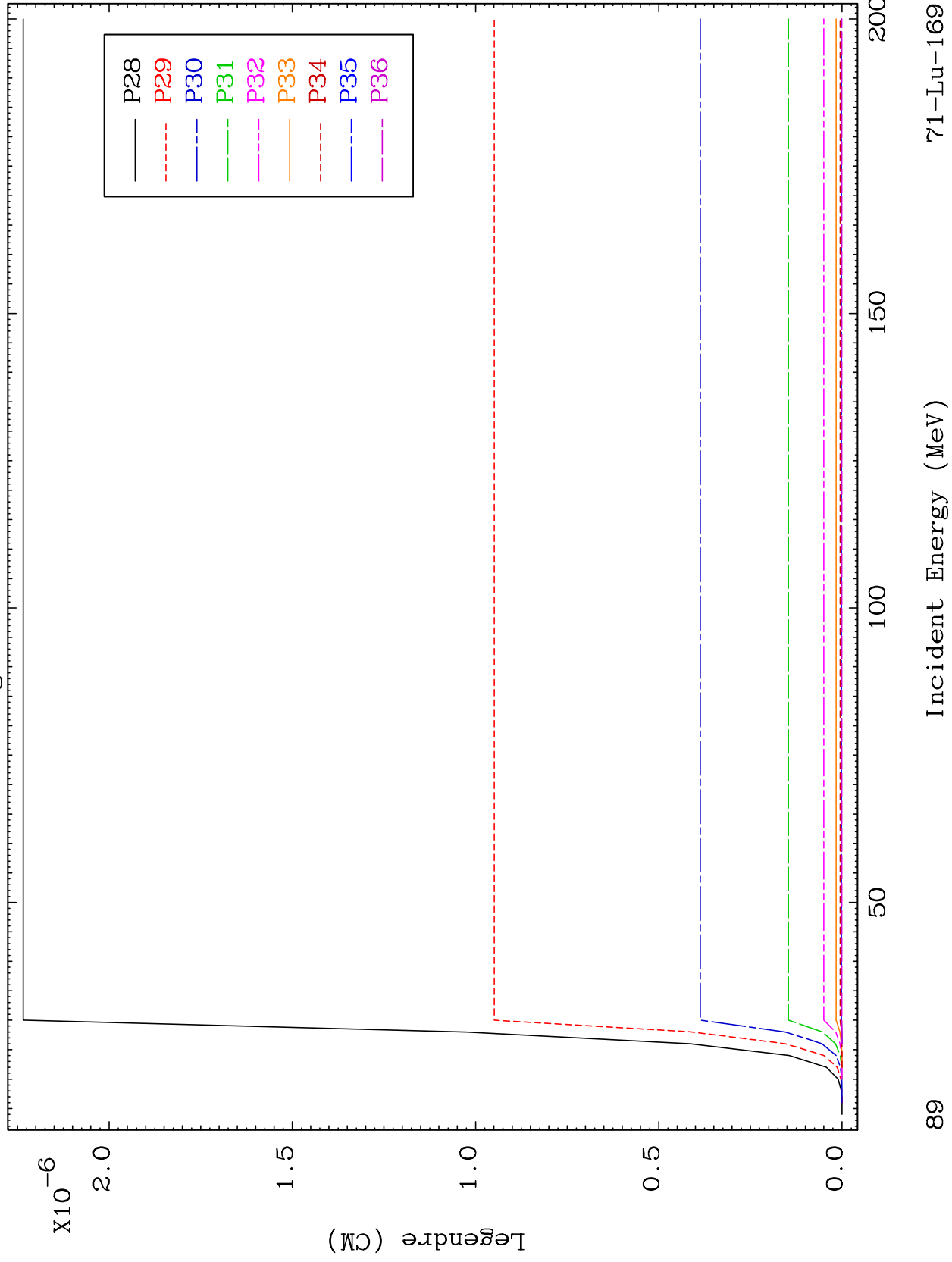
71-Lu-169



MAT 7107

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

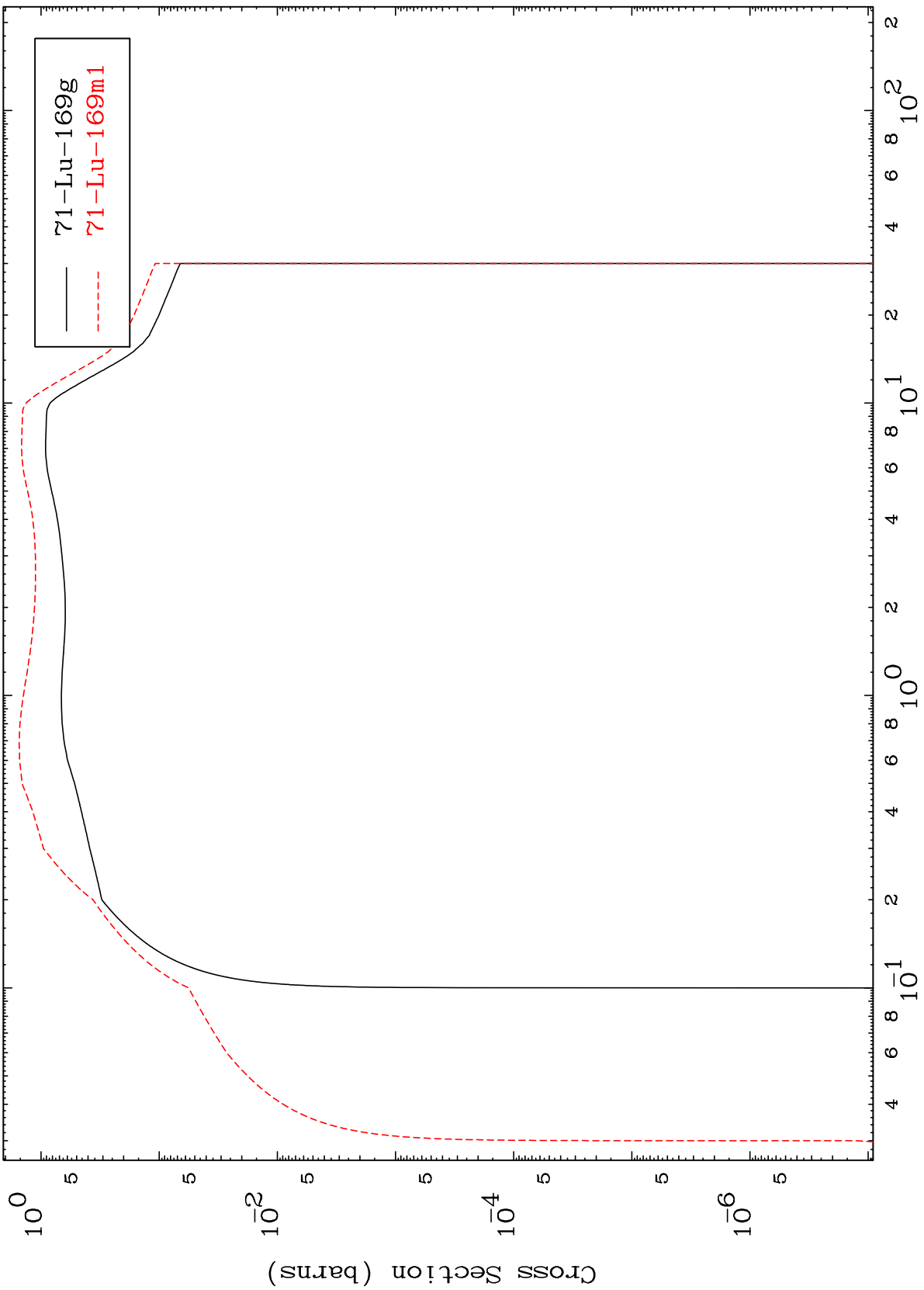
71-Lu-169



MAT 7107

71-Lu-169

Inelastic
Radionuclide Production Cross Section



90

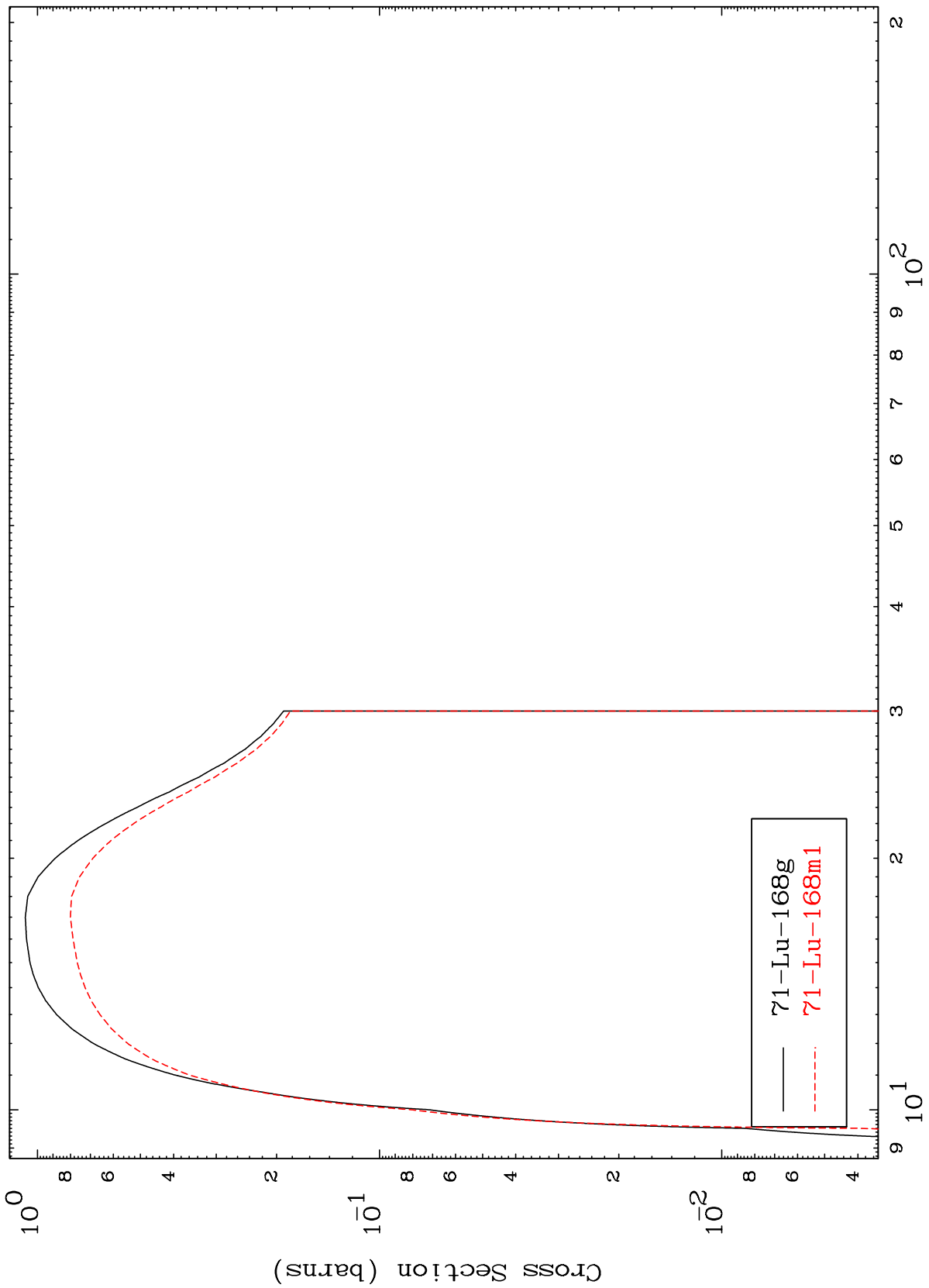
Incident Energy (MeV)

71-Lu-169

MAT 7107

71-Lu-169

Radionuclide Production Cross Section
(n,2n)



91

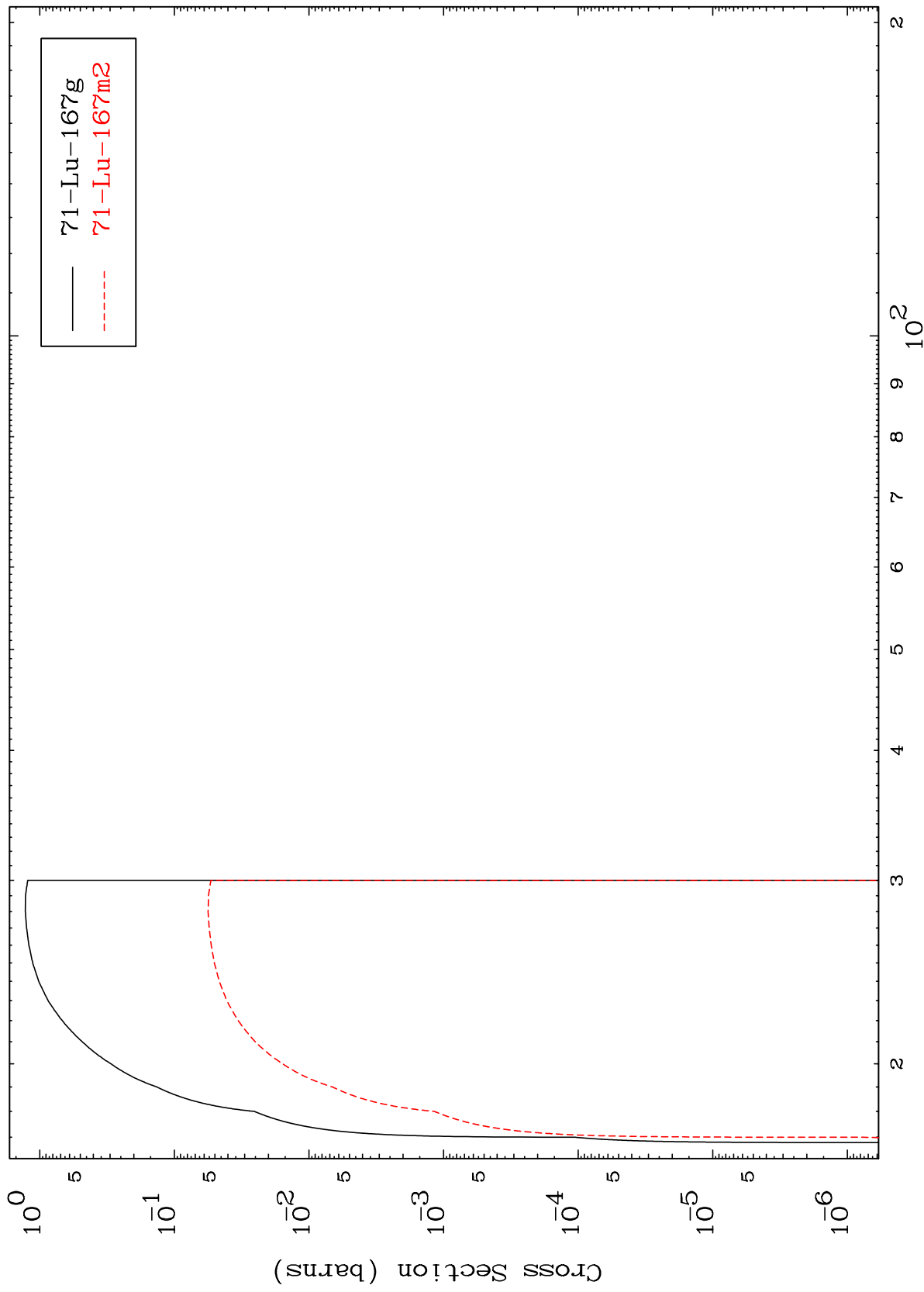
Incident Energy (MeV)

71-Lu-169

MAT 7107

71-Lu-169

(n,3n)
Radionuclide Production Cross Section



92

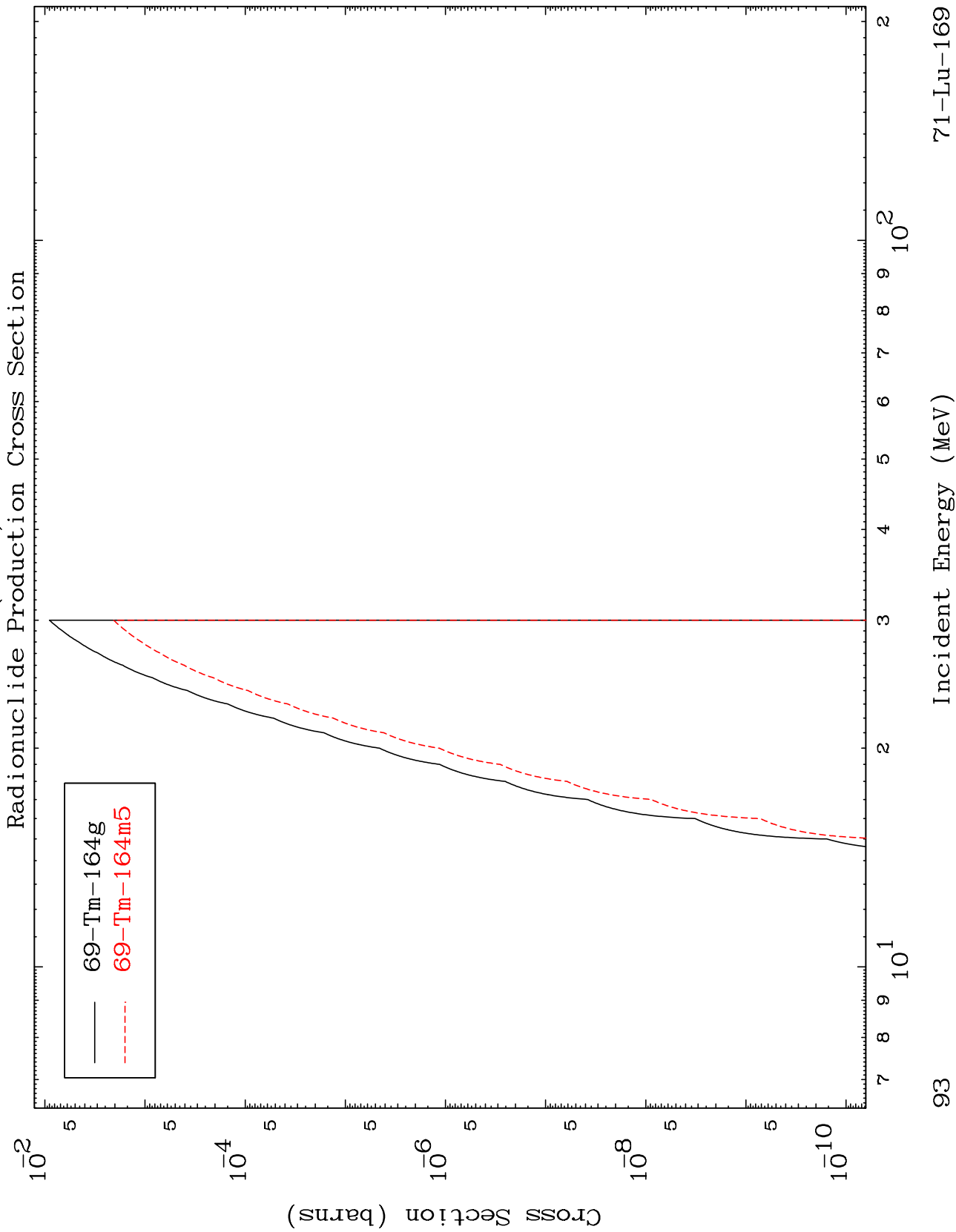
71-Lu-169

Incident Energy (MeV)

MAT 7107

$(n,2n) \alpha$

$^{71}\text{Lu-169}$



93

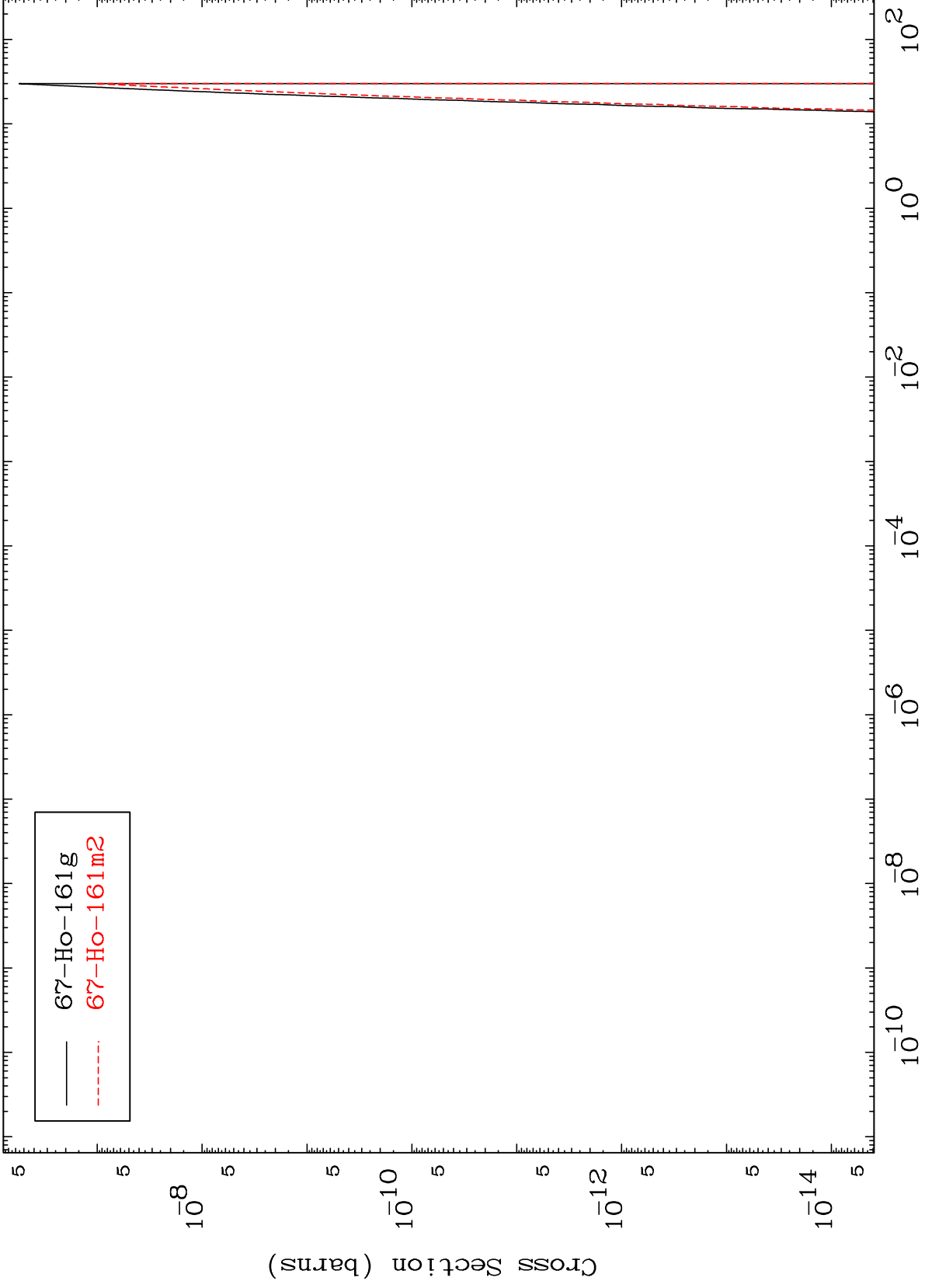
$^{71}\text{Lu-169}$

MAT 7107

(n,n') 2α

71-Lu-169

Radionuclide Production Cross Section



67-Ho-161g
67-Ho-161m2

94

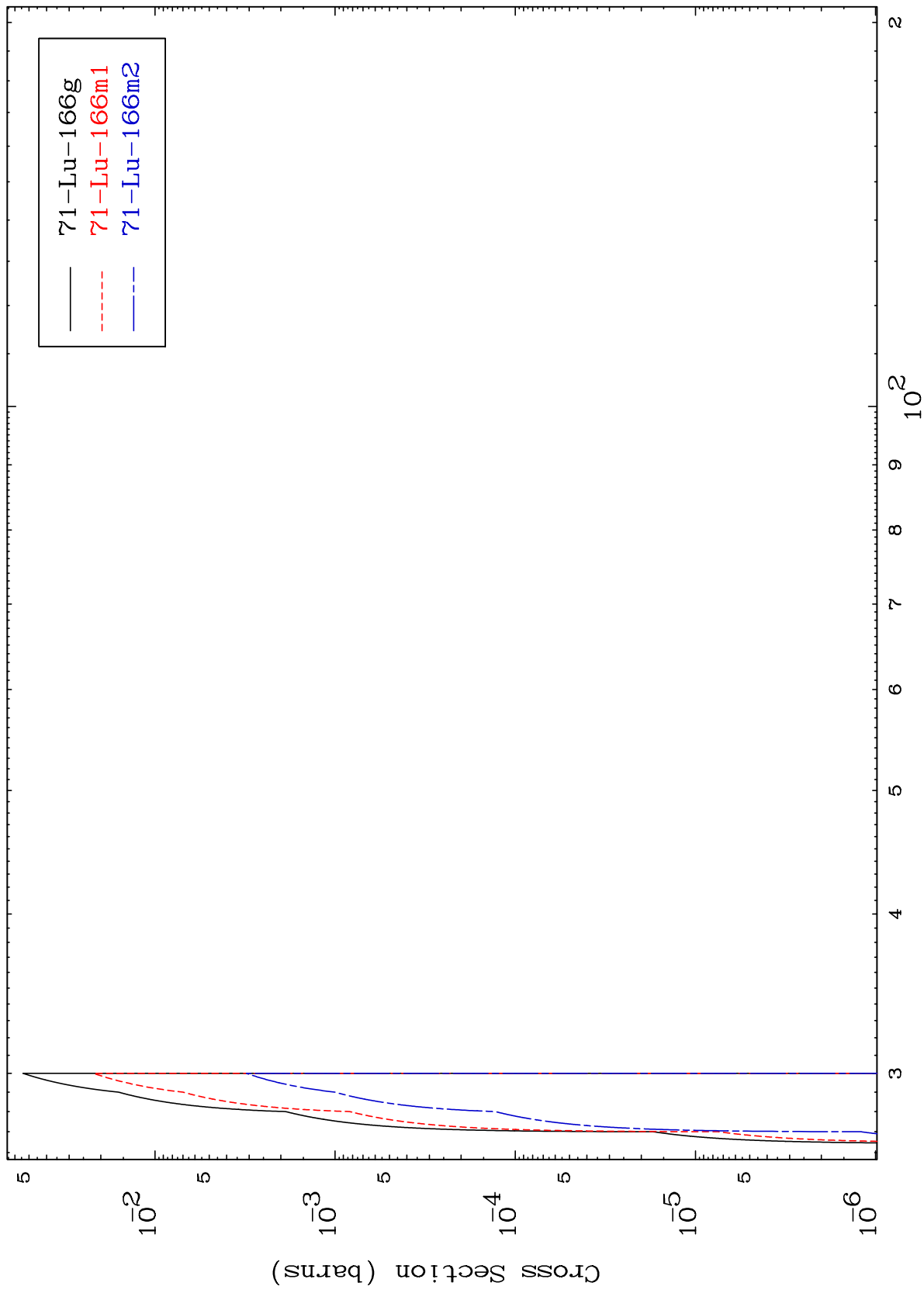
Incident Energy (MeV)

71-Lu-169

MAT 7107

71-Lu-169

(n,4n)
Radionuclide Production Cross Section



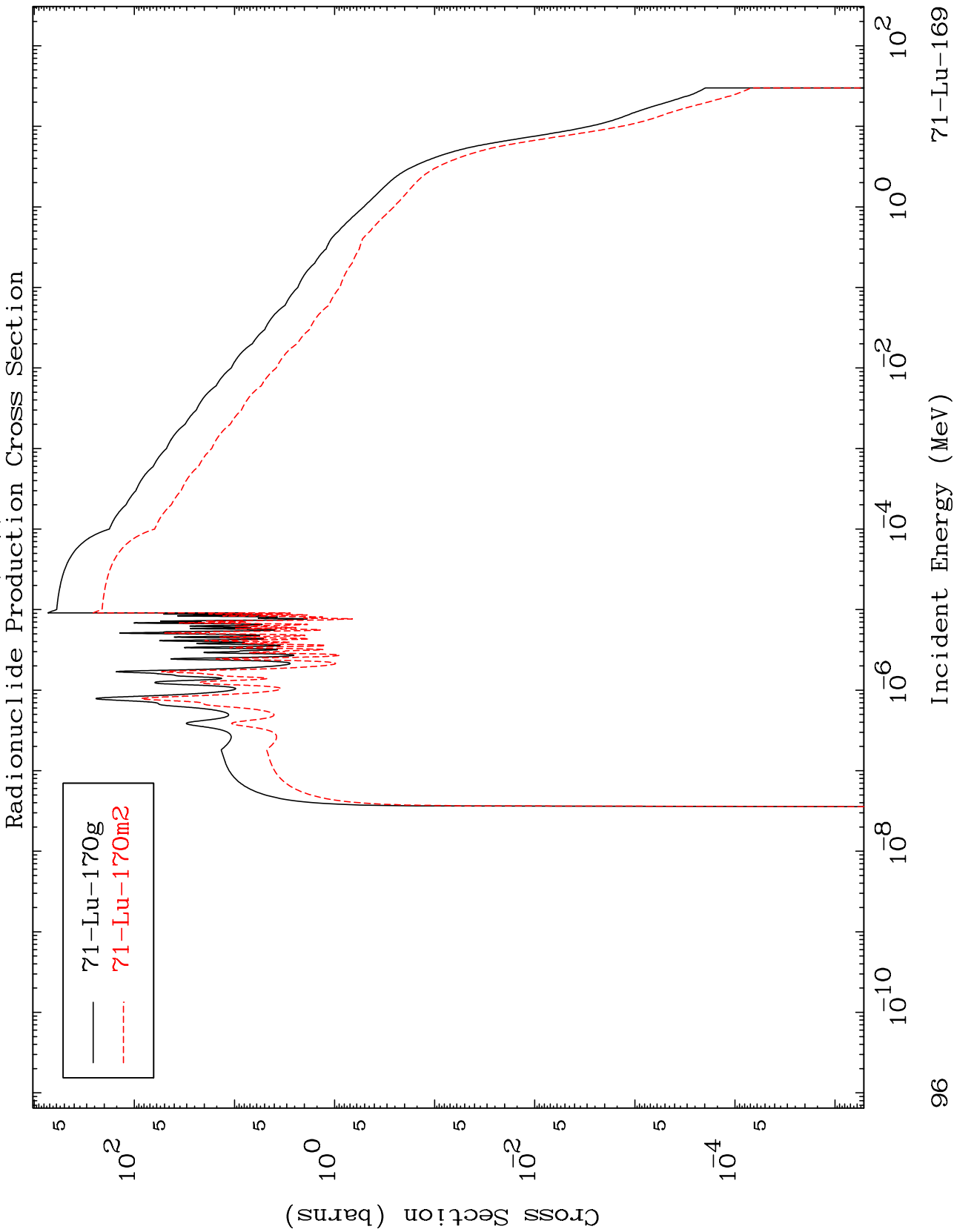
95

Incident Energy (MeV)

71-Lu-169

MAT 7107

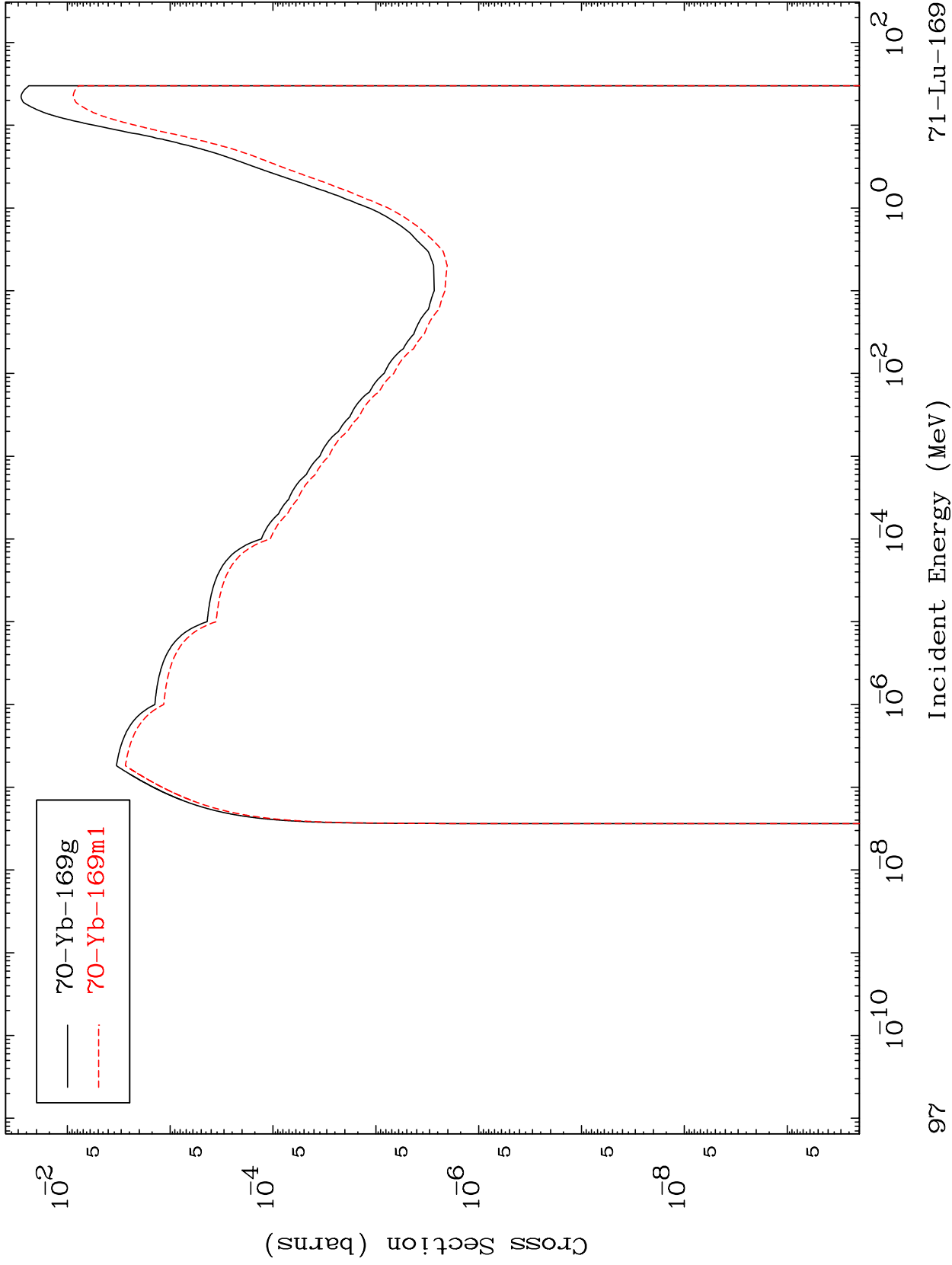
71-Lu-169



MAT 7107

⁷¹Lu-169

(n,p)
Radionuclide Production Cross Section

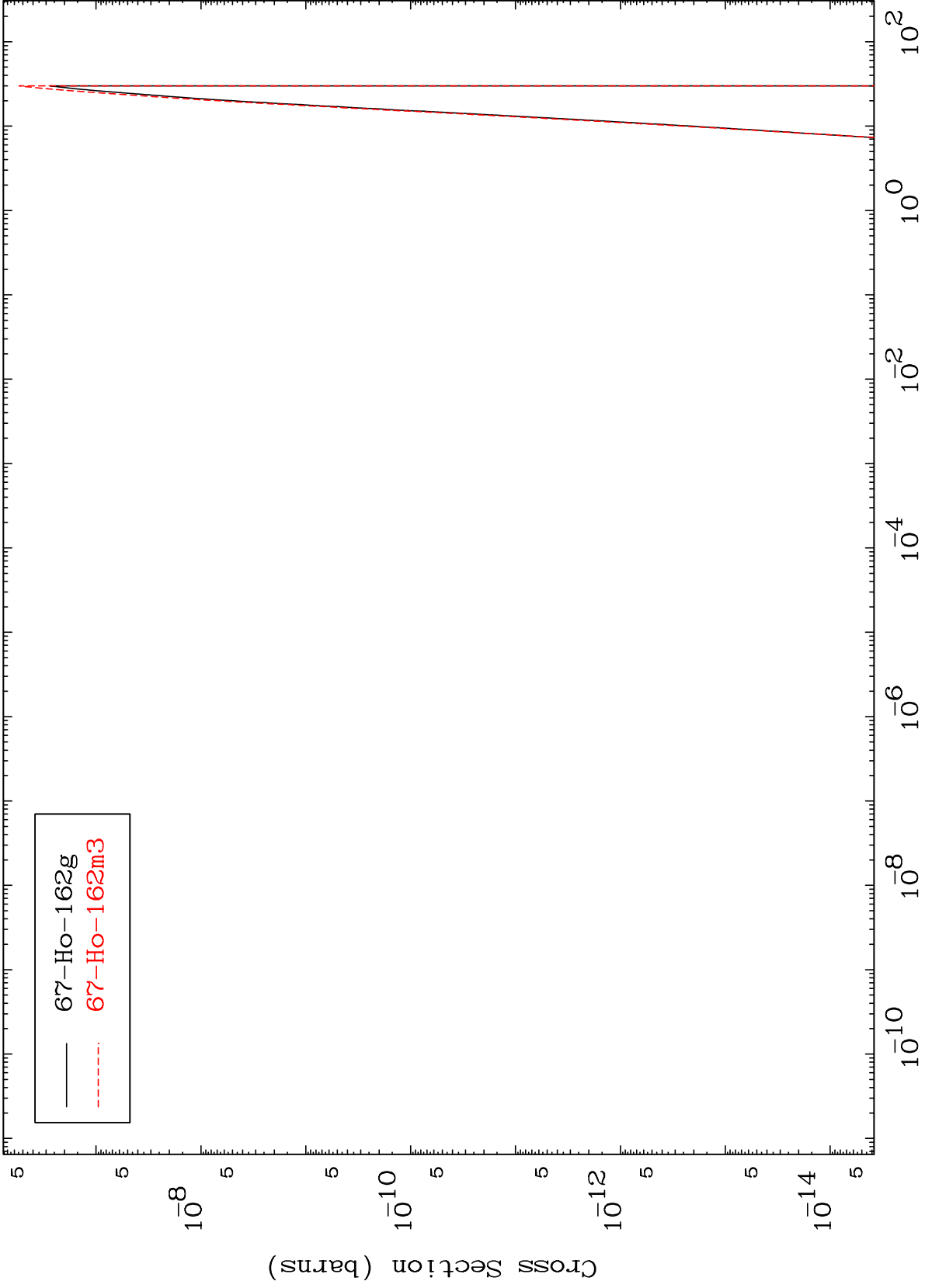


MAT 7107

(n,2α)

71-Lu-169

Radionuclide Production Cross Section



98

Incident Energy (MeV)

71-Lu-169