

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

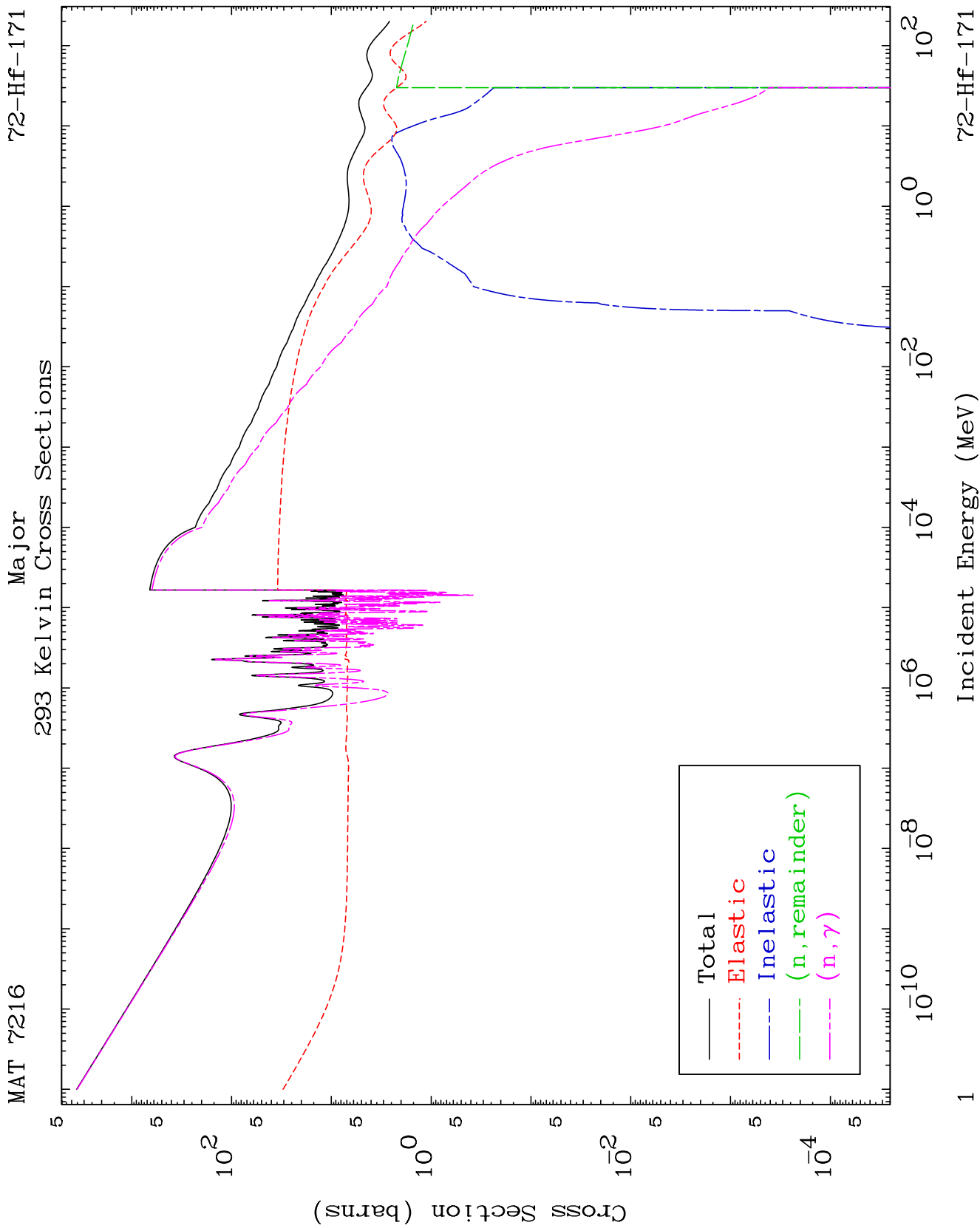
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

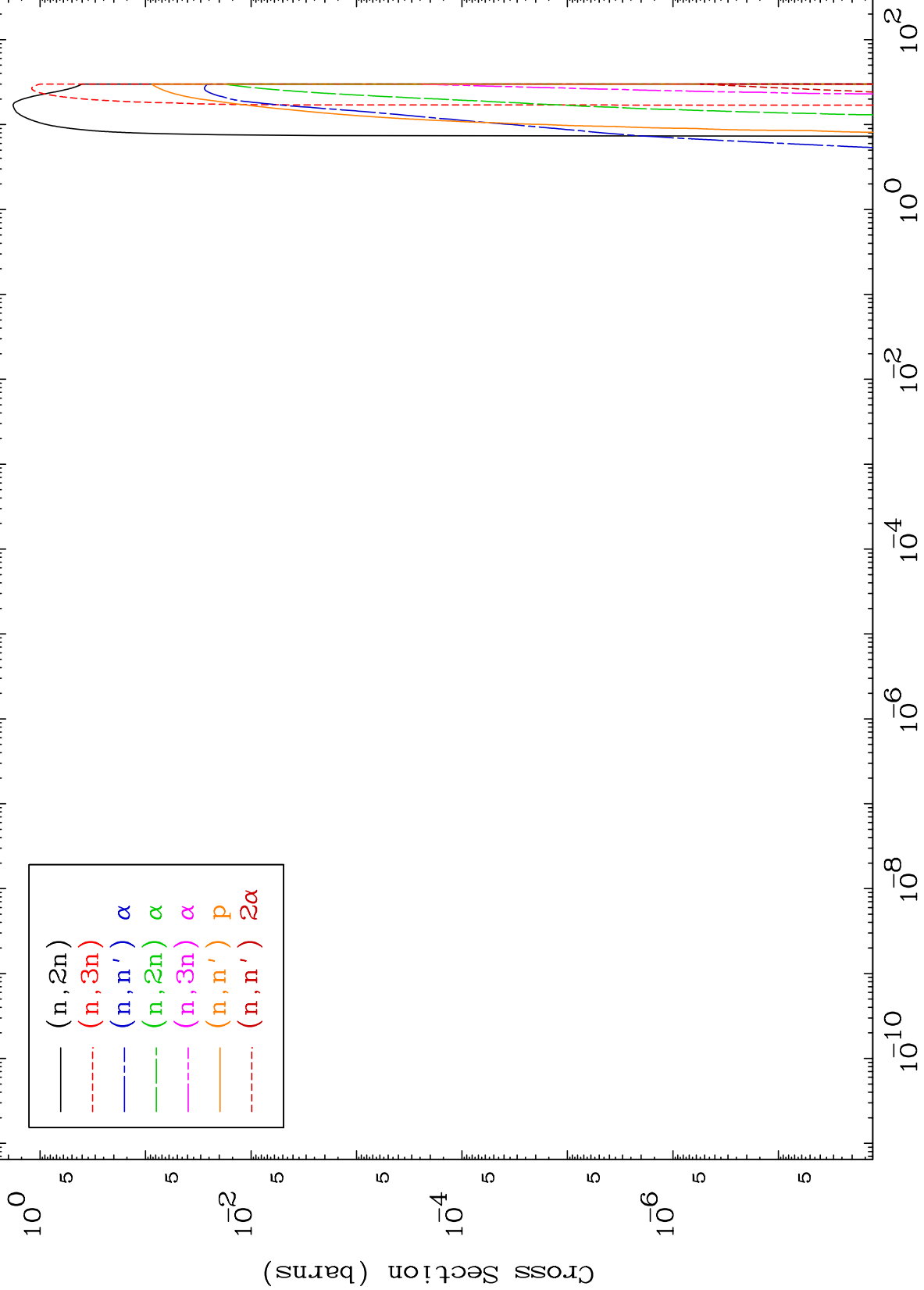
Press Mouse Button to Start



MAT 7216

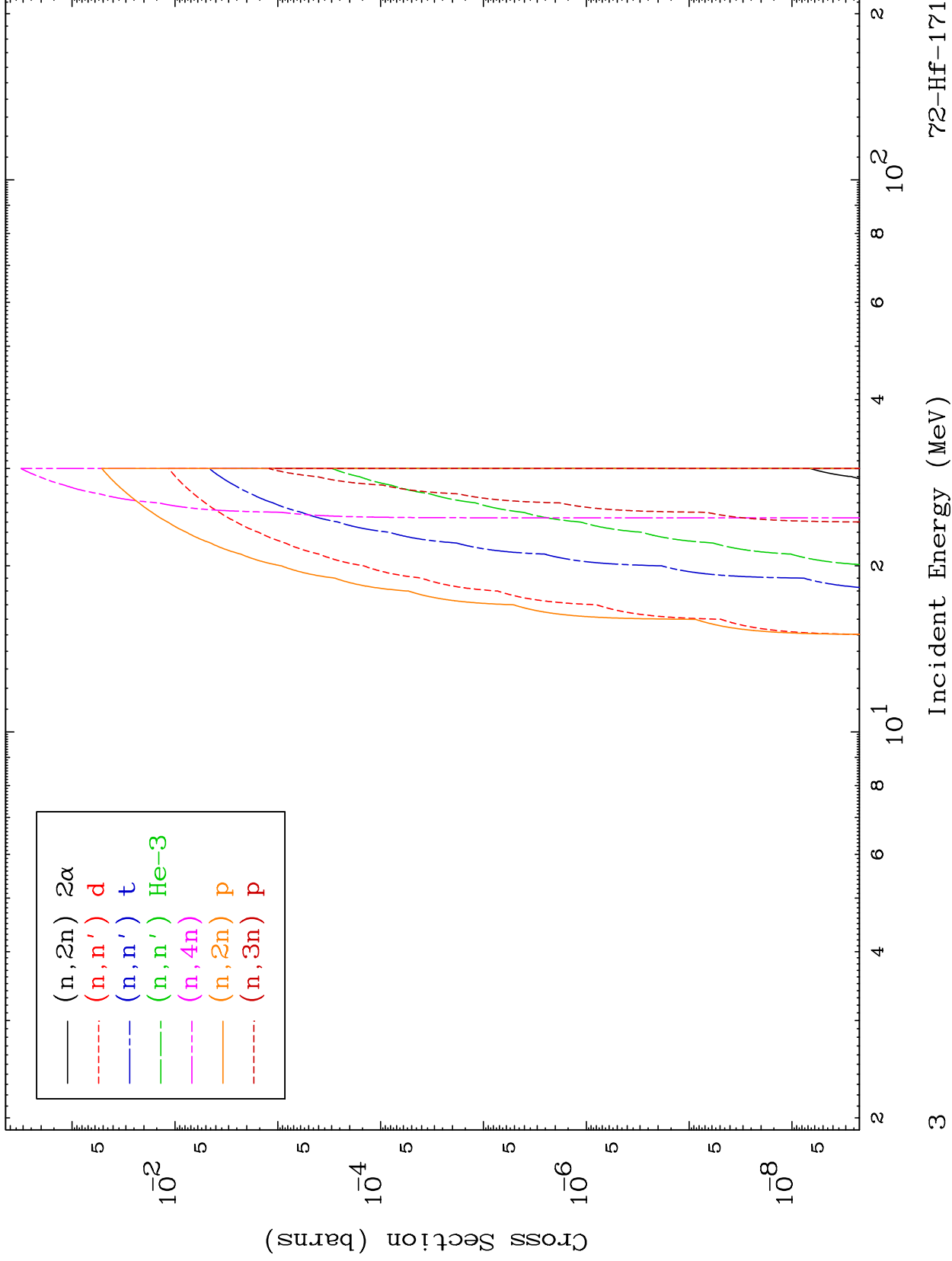
Neutron Production
293 Kelvin Cross Sections

72-Hf-171



72-Hf-171

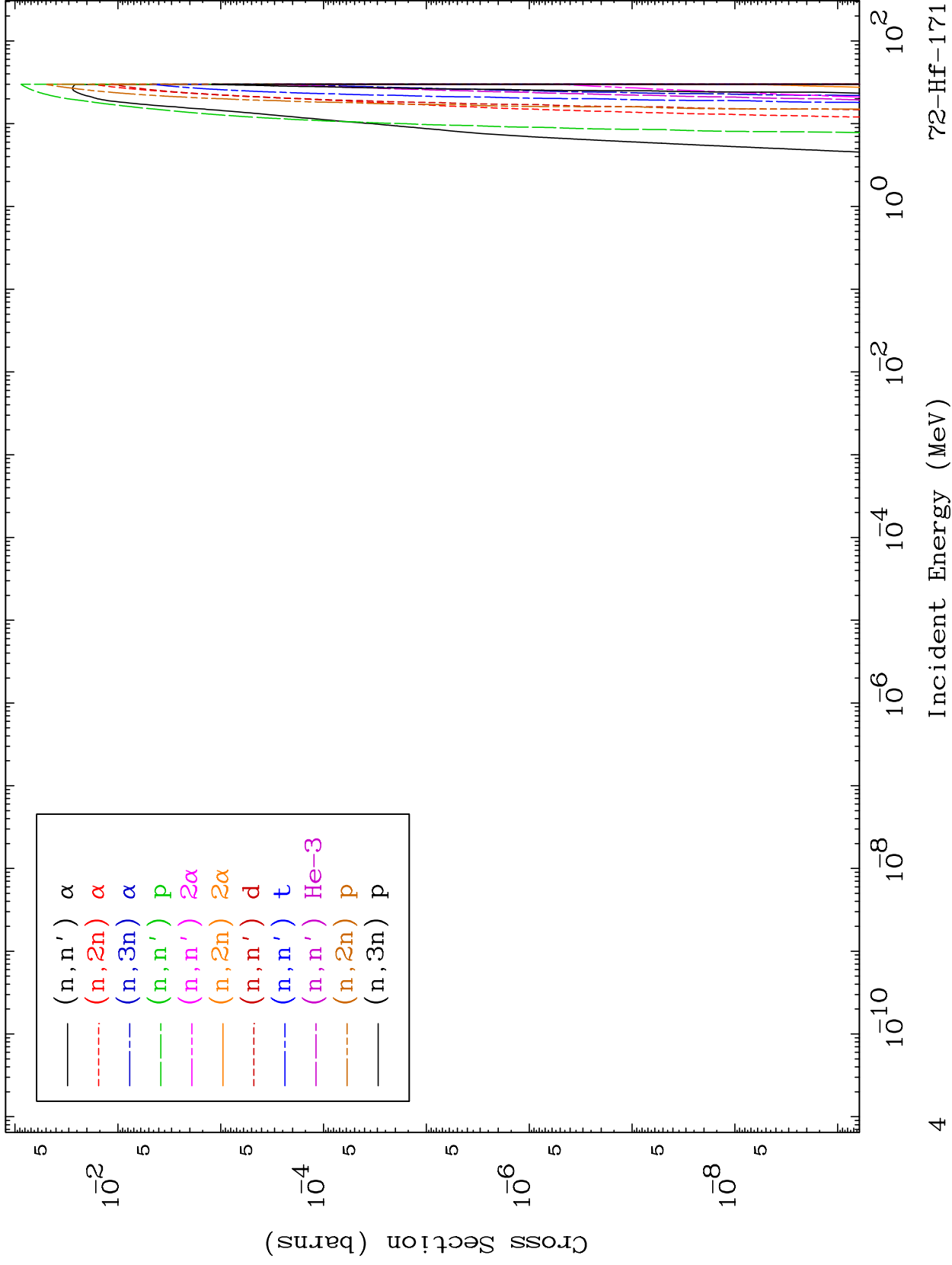
Incident Energy (MeV)



MAT 7216

Charged Particle
293 Kelvin Cross Sections

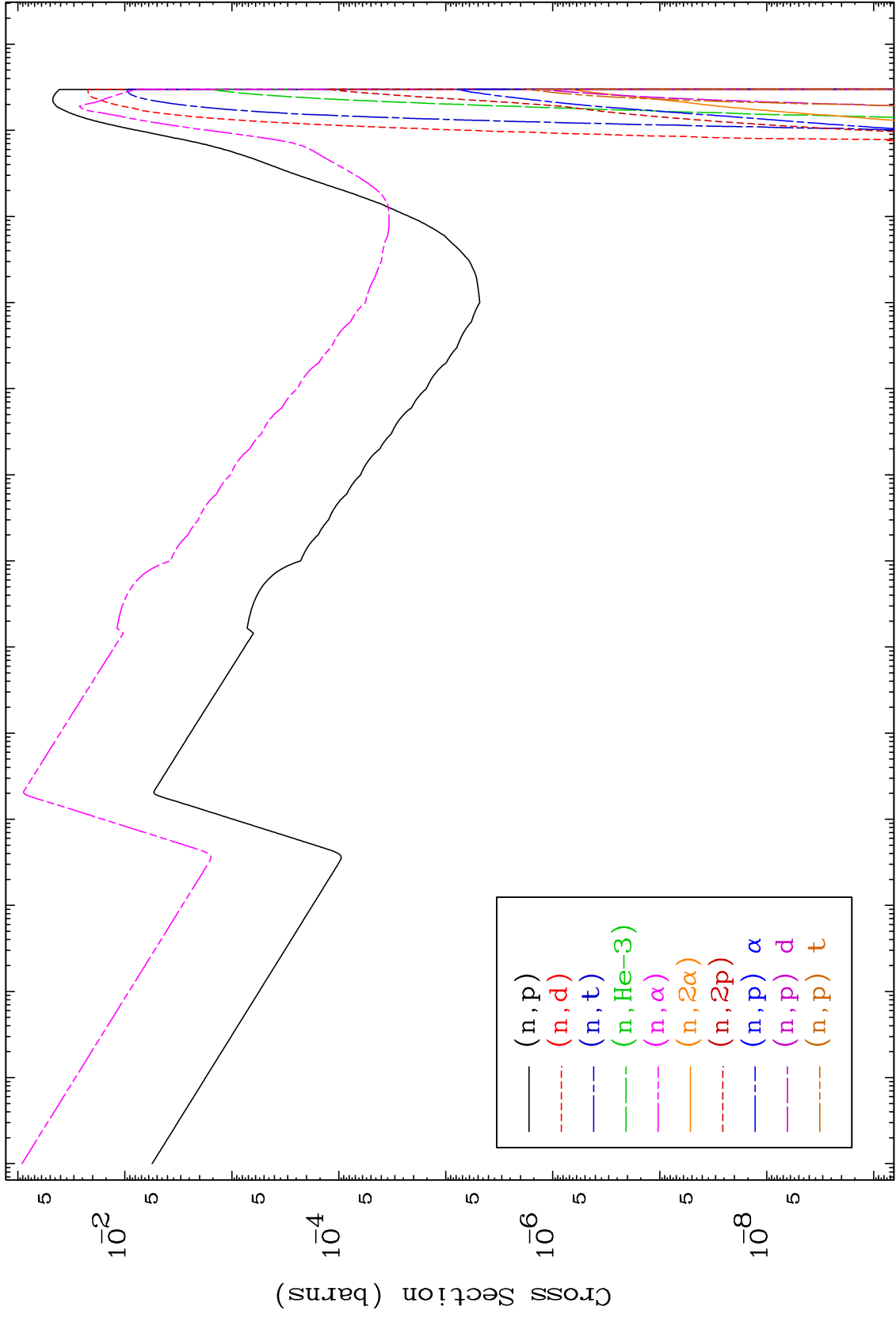
72-Hf-171

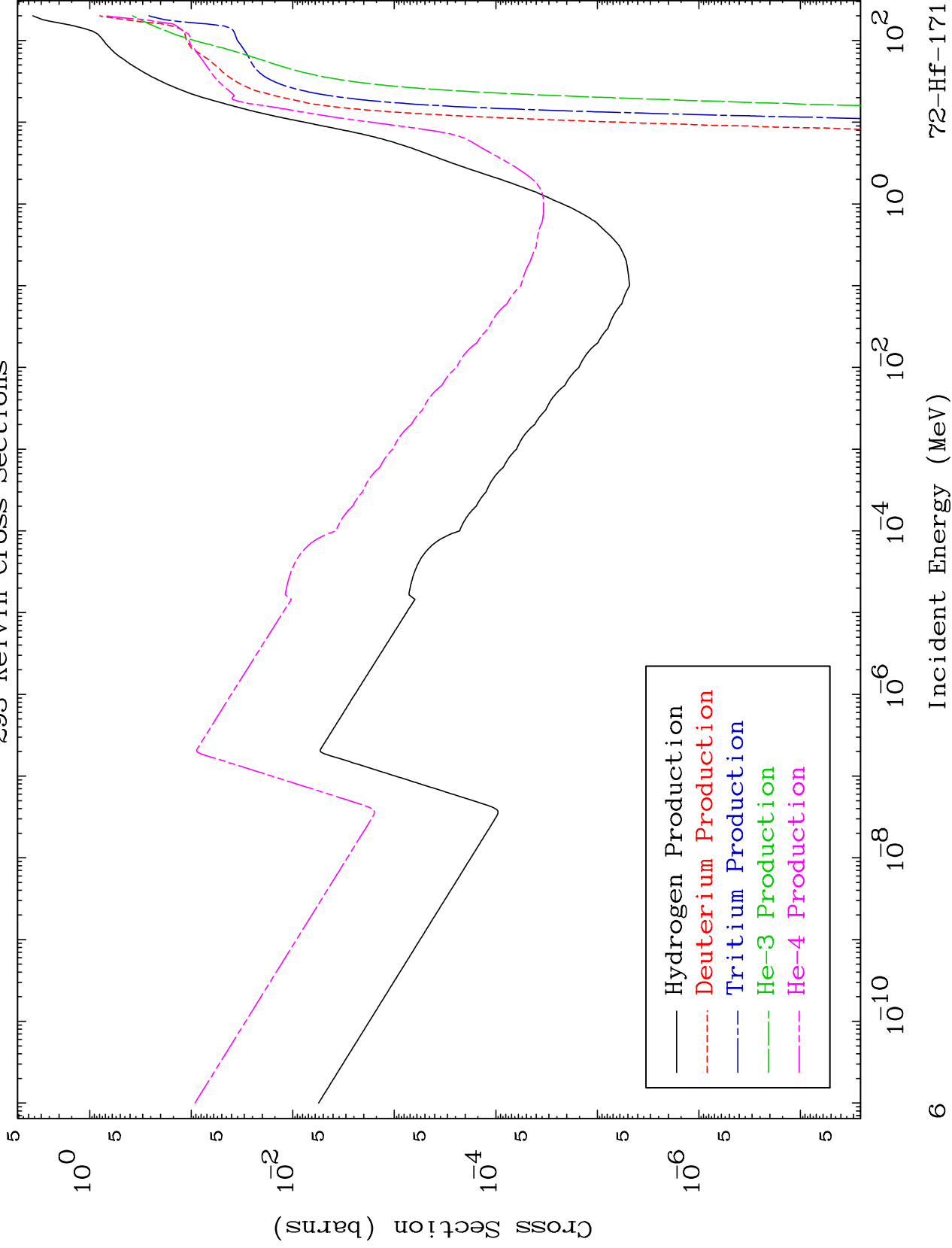


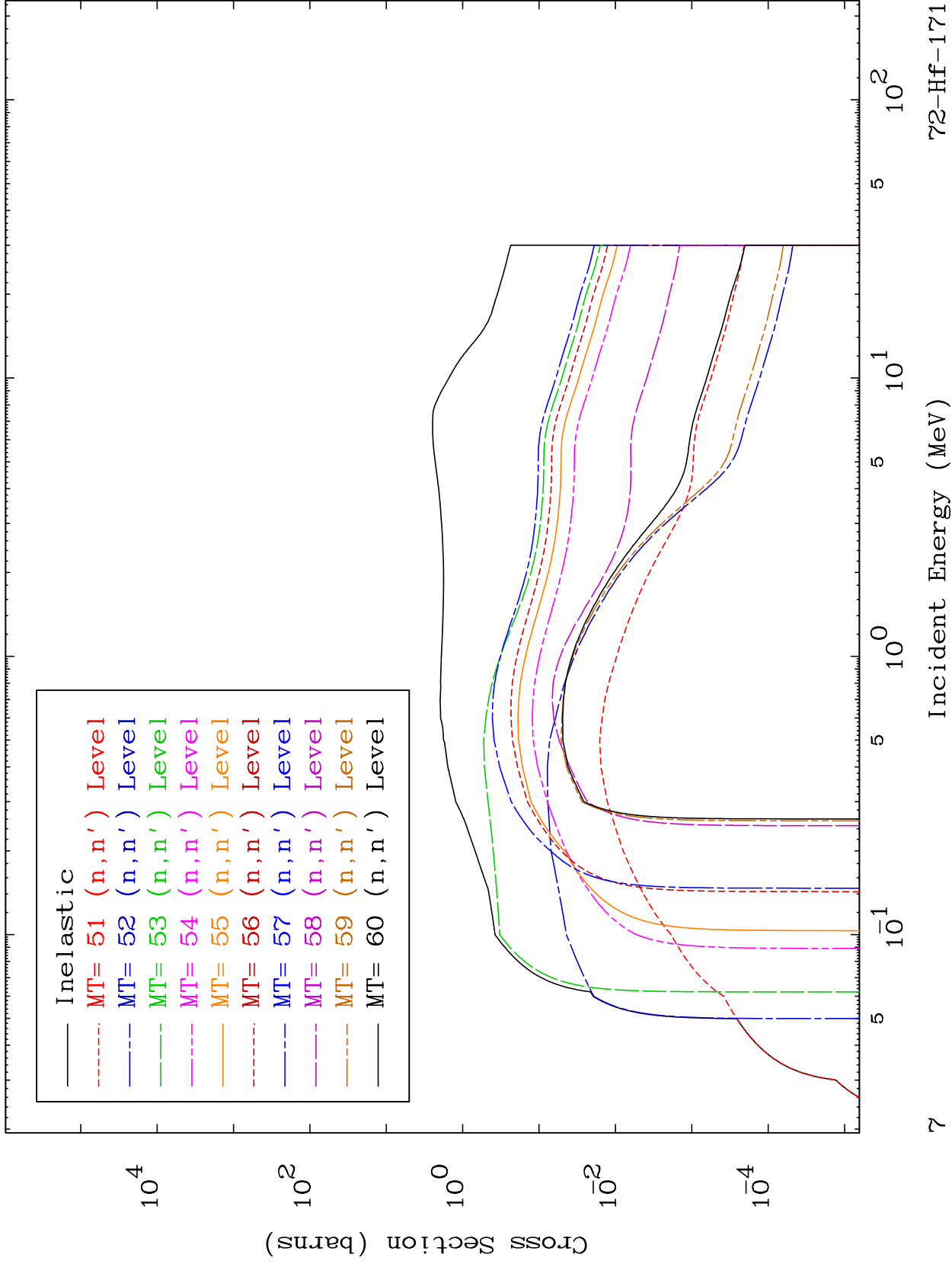
MAT 7216

Charged Particle
293 Kelvin Cross Sections

72-Hf-171





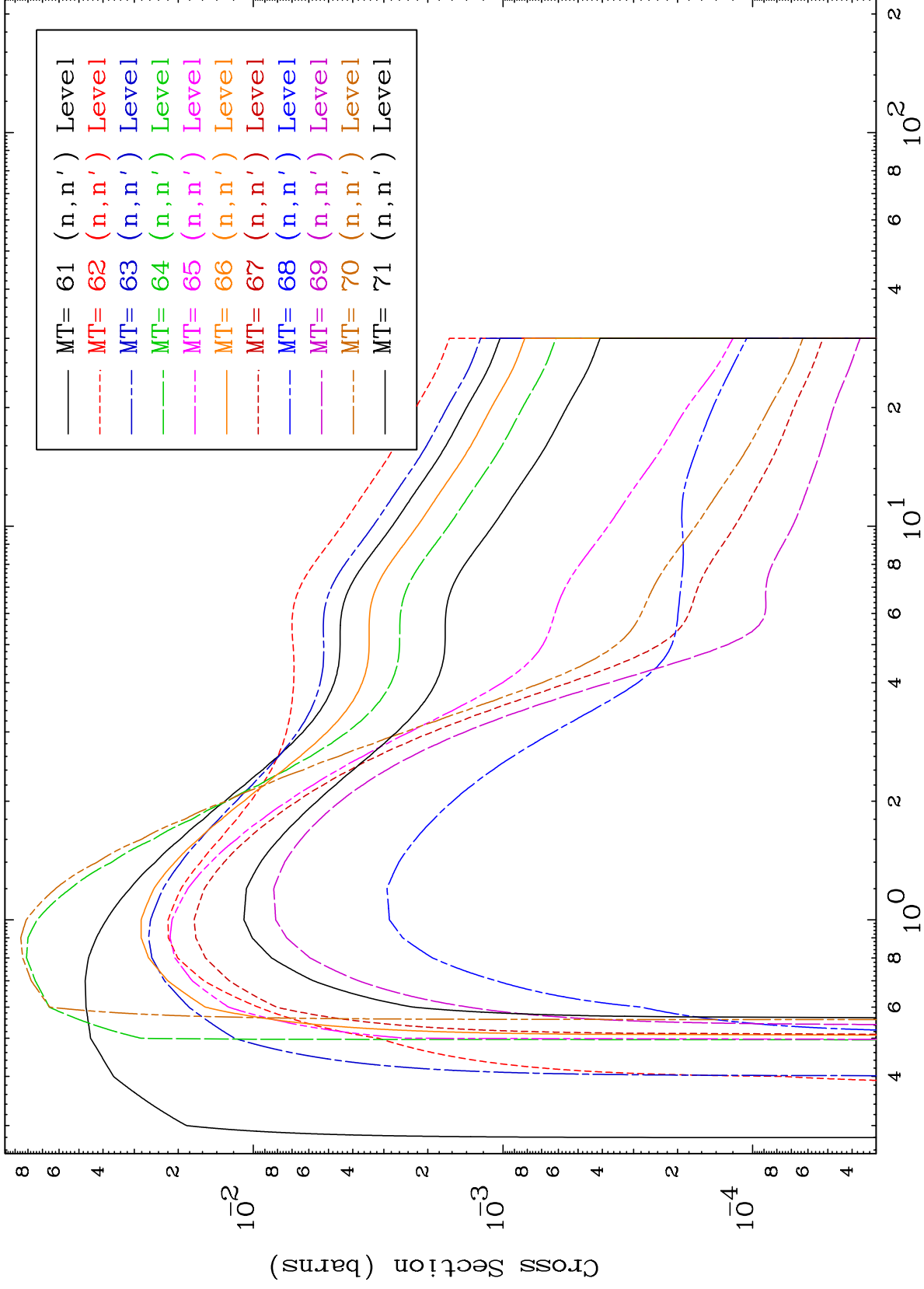


MAT 7216

(n,n') Level

72-Hf-171

293 Kelvin Cross Sections



8

Incident Energy (MeV)

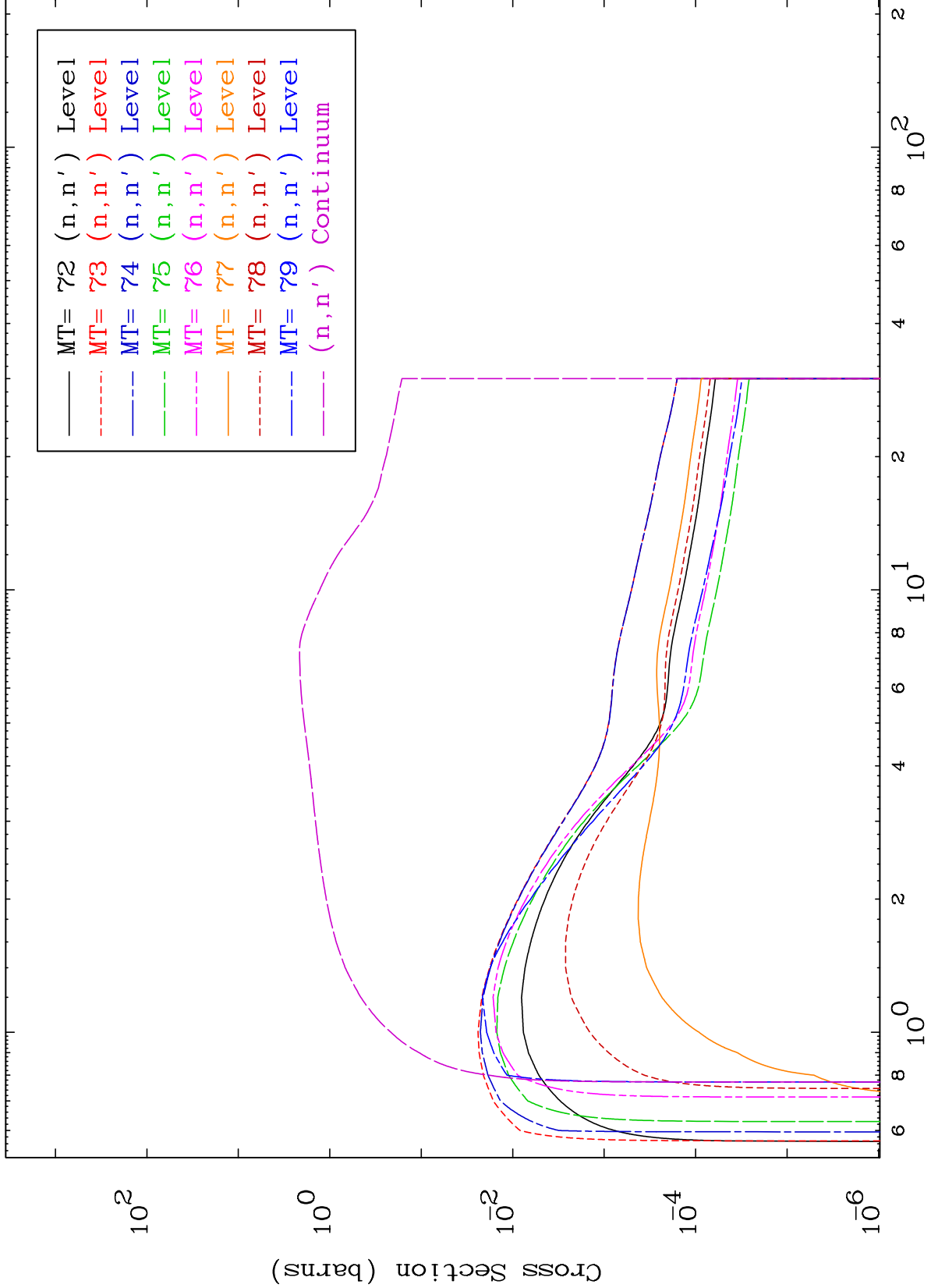
72-Hf-171

MAT 7216

(n,n') Level

72-Hf-171

293 Kelvin Cross Sections



9

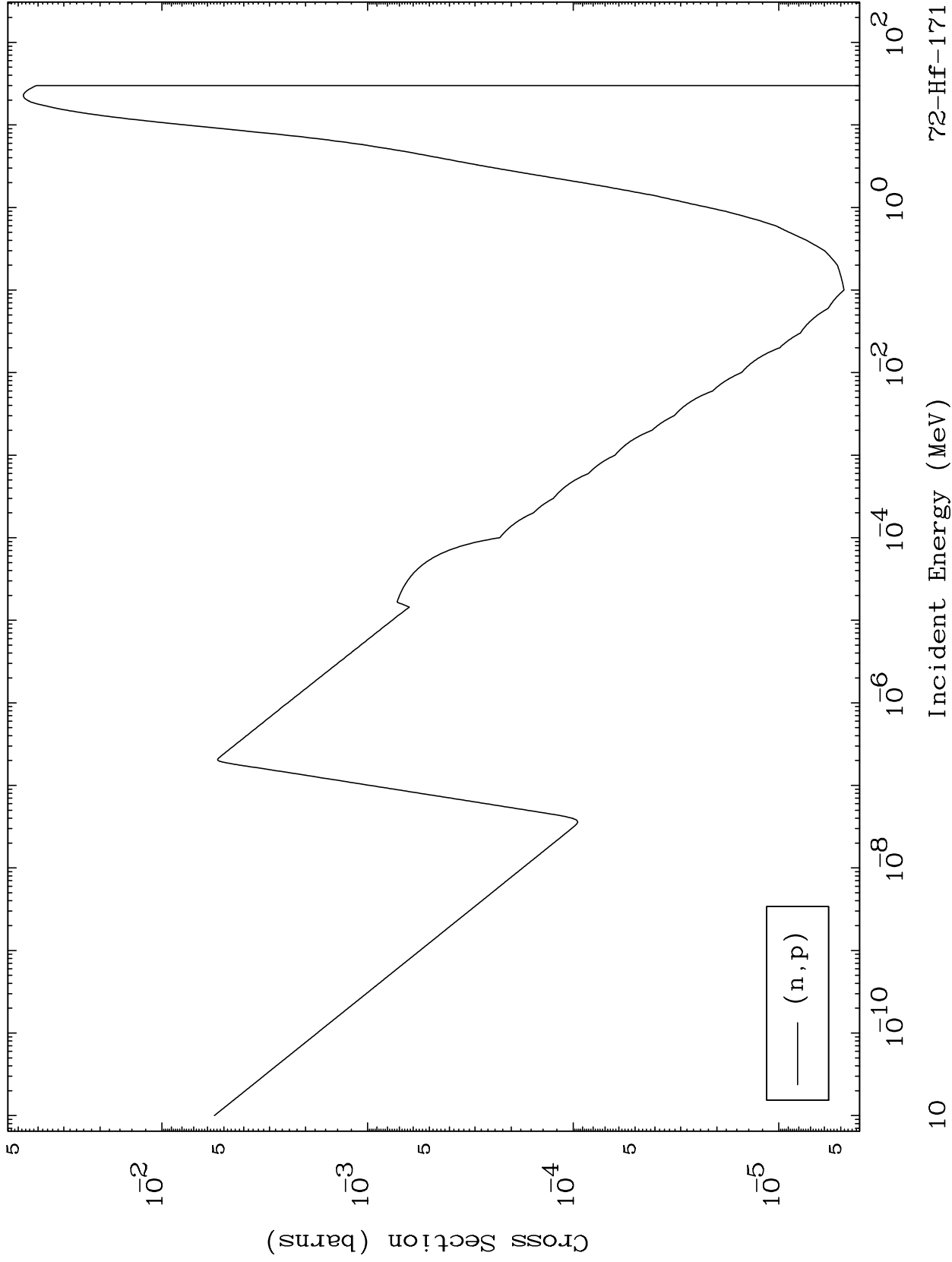
Incident Energy (MeV)

72-Hf-171

MAT 7216

(n,p) Levels
293 Kelvin Cross Sections

72-Hf-171



10

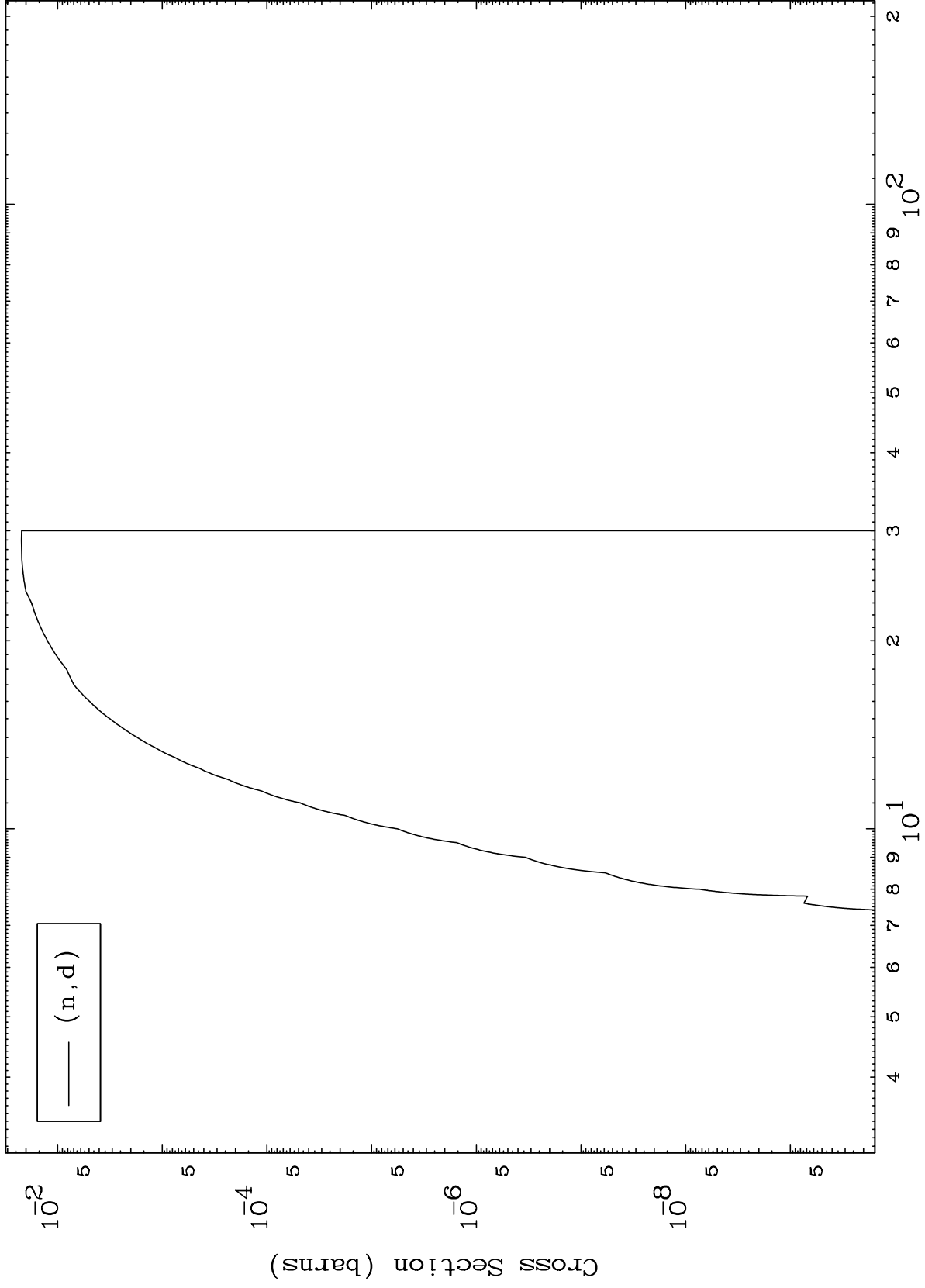
Incident Energy (MeV)

72-Hf-171

MAT 7216

(n,d) Levels
293 Kelvin Cross Sections

72-Hf-171



11

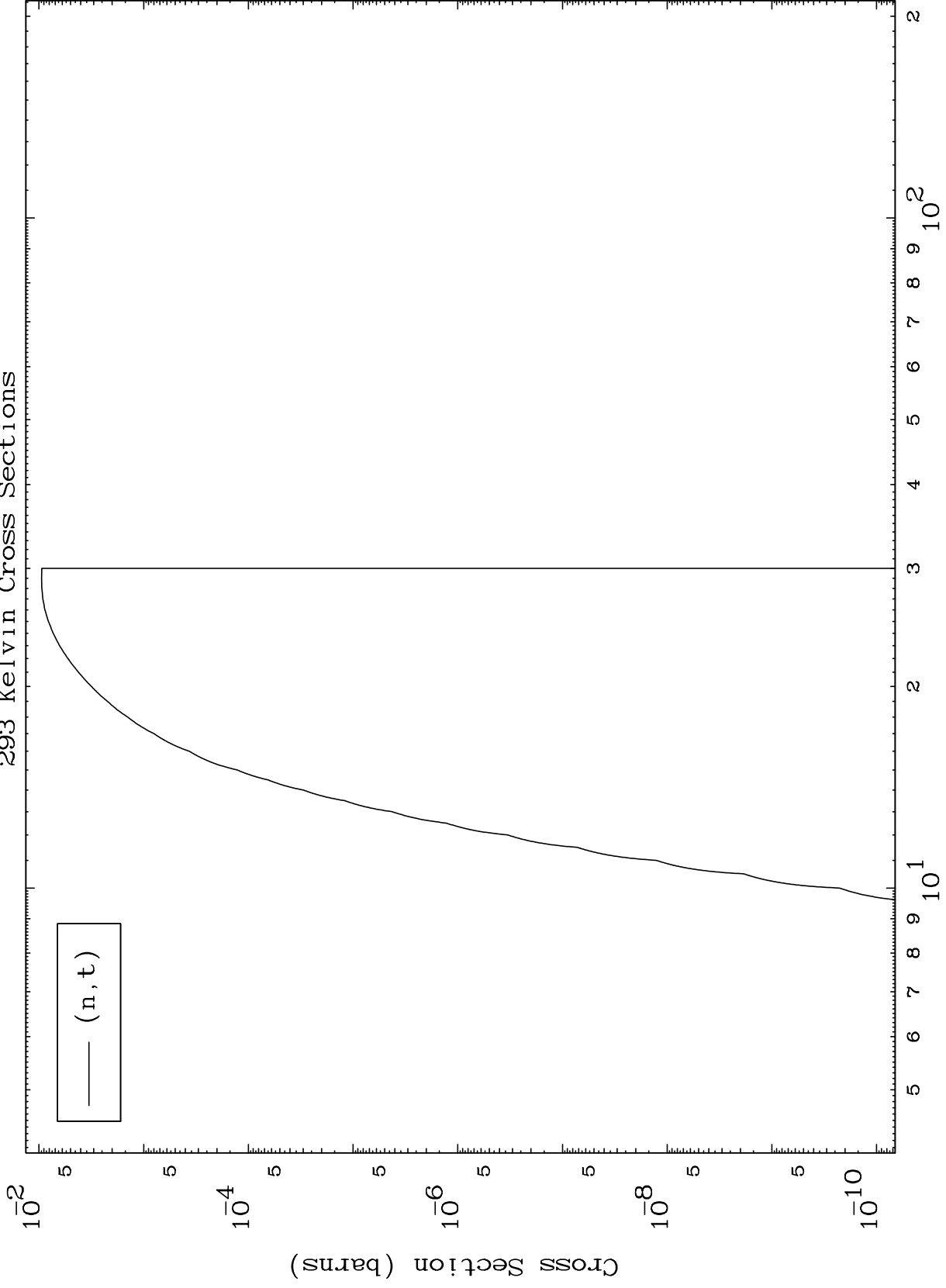
Incident Energy (MeV)

72-Hf-171

MAT 7216

(n,t) Levels
293 Kelvin Cross Sections

72-Hf-171



12

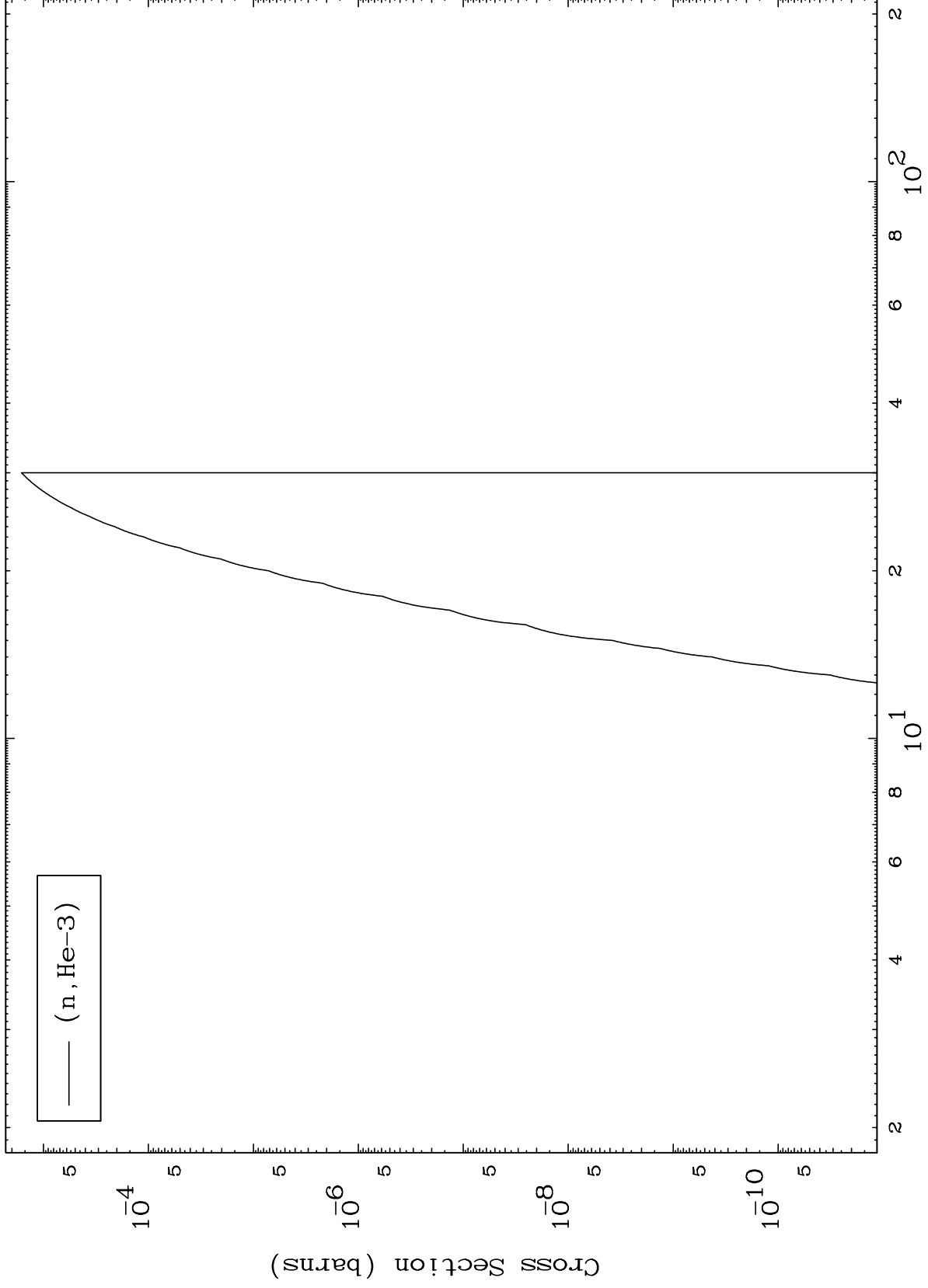
Incident Energy (MeV)

72-Hf-171

MAT 7216

(n,He3) Levels
293 Kelvin Cross Sections

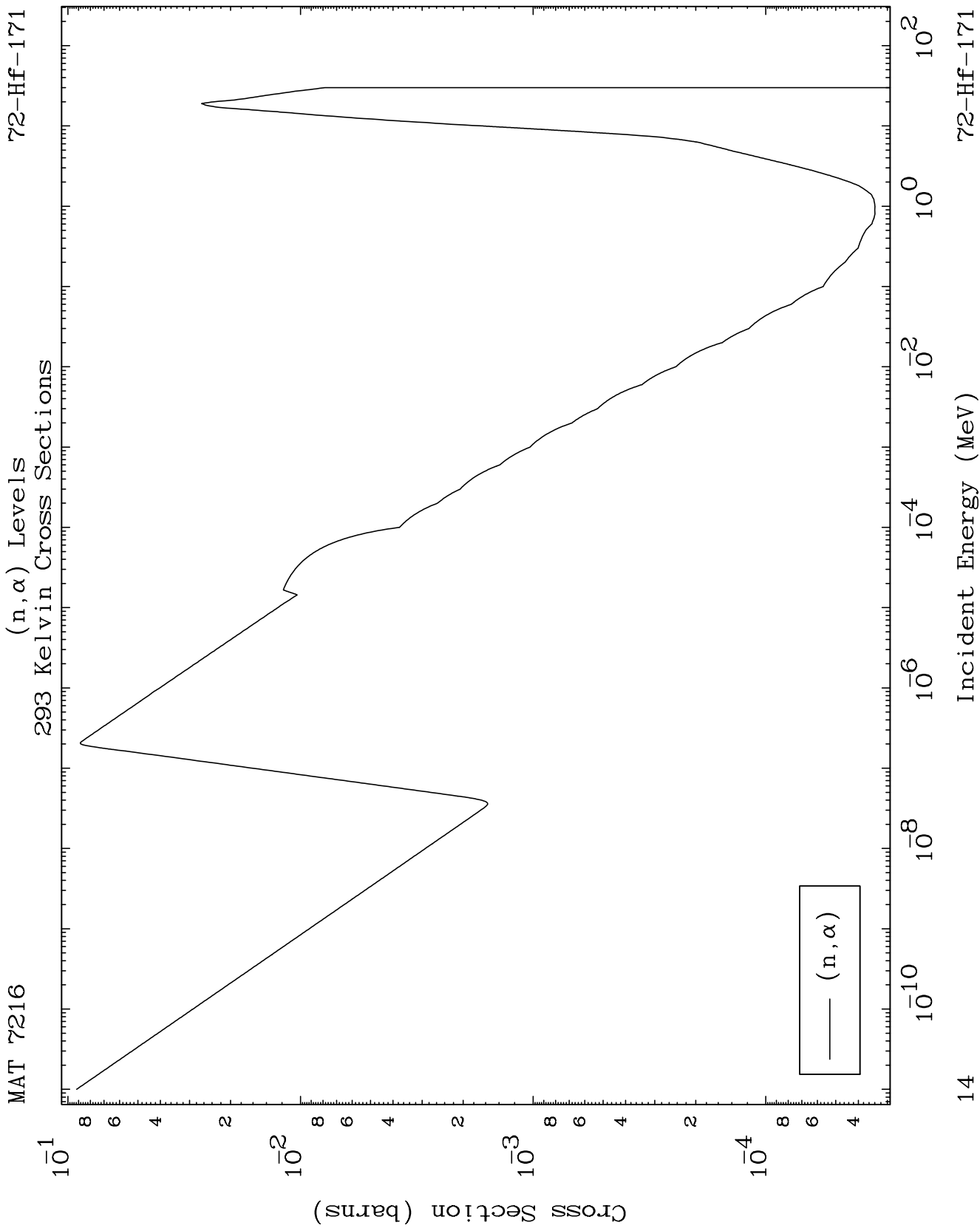
72-Hf-171

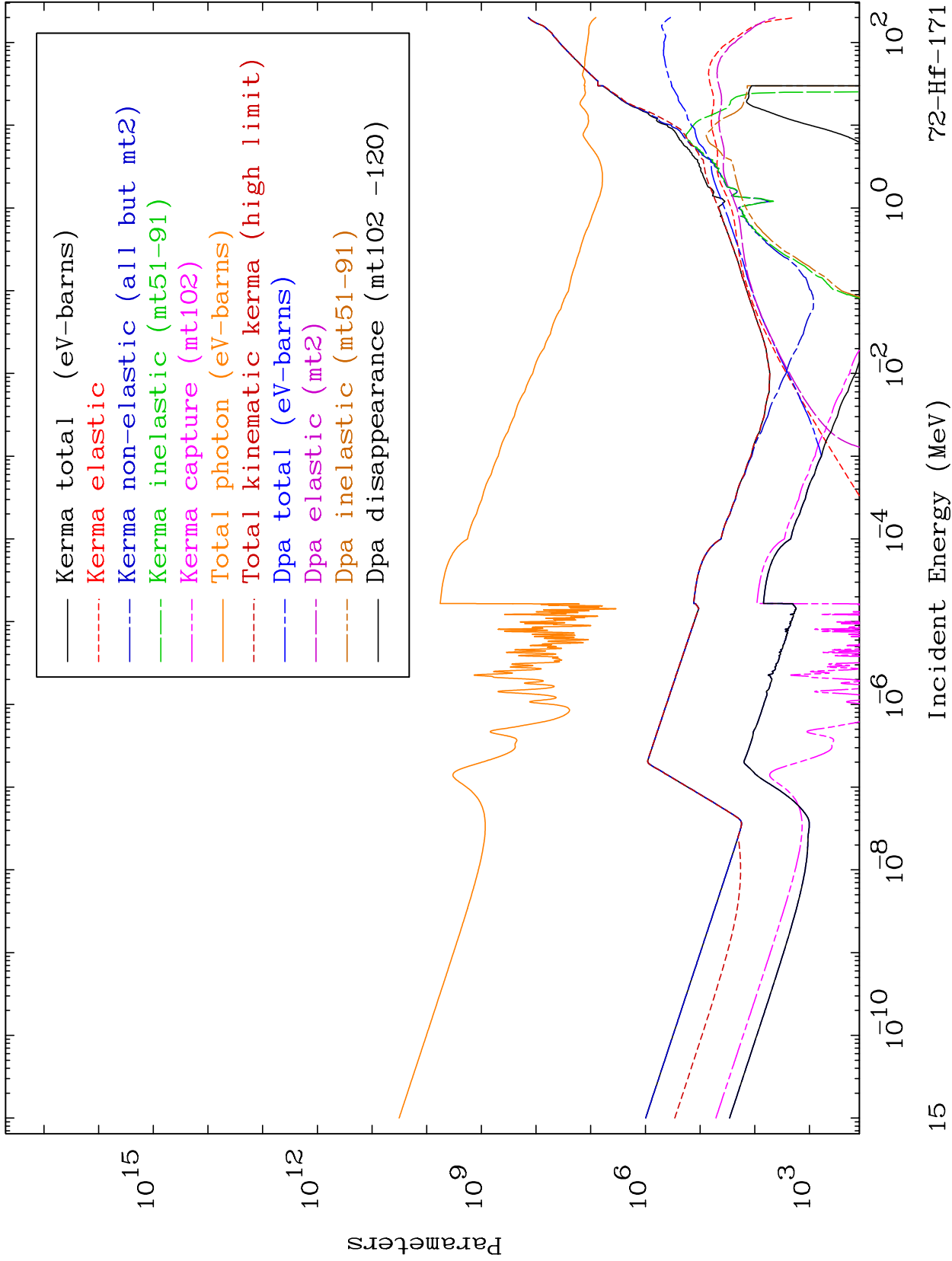


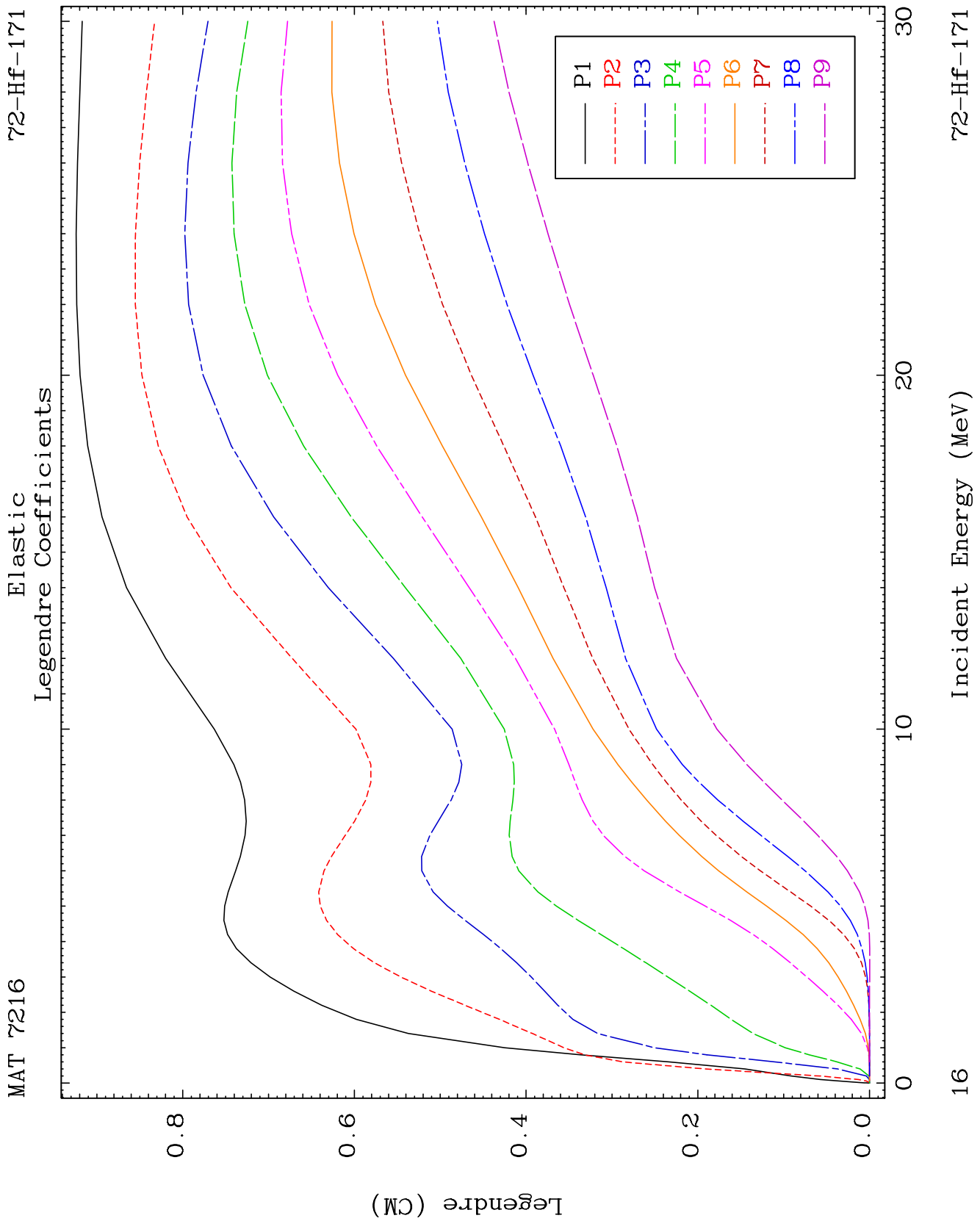
13

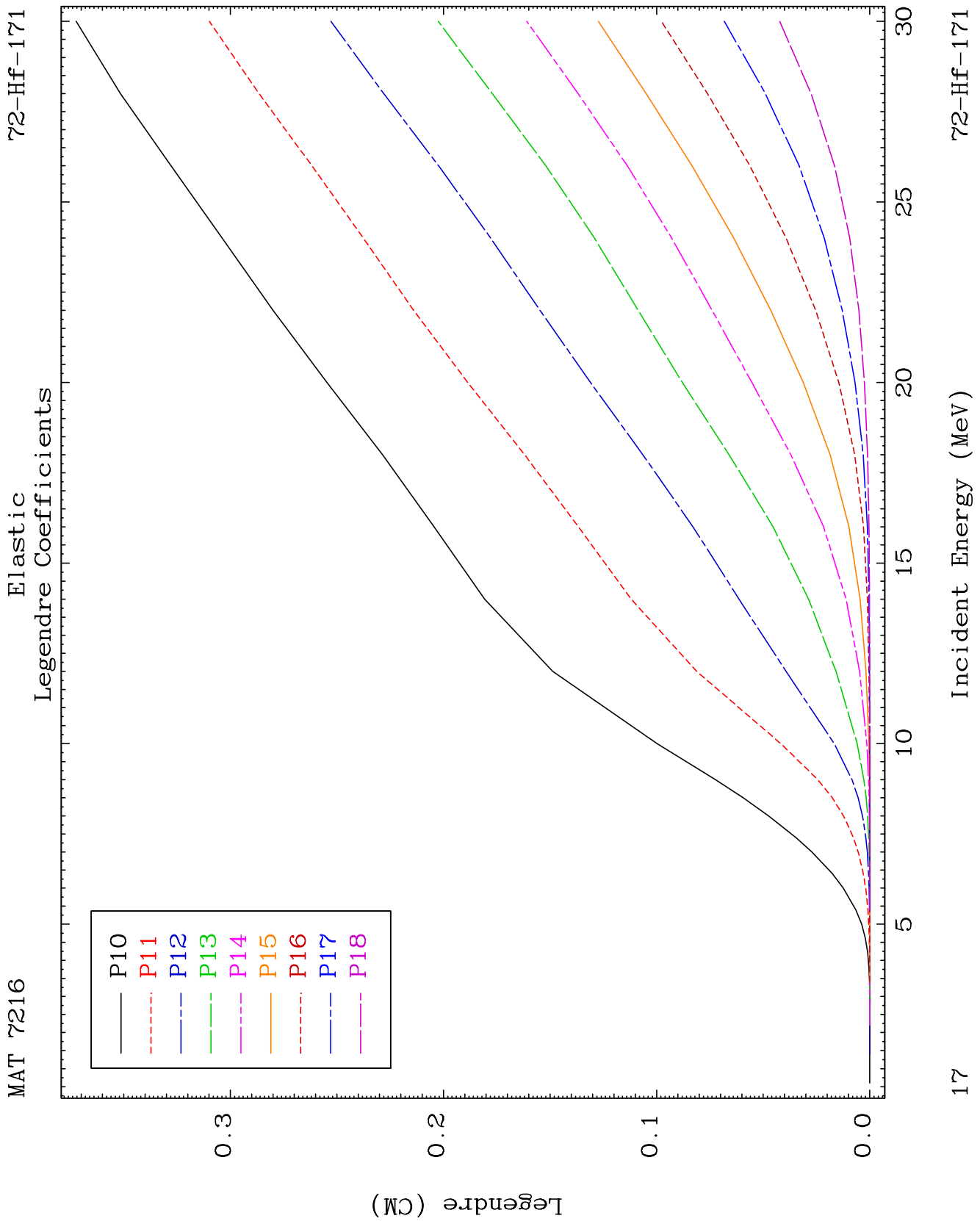
Incident Energy (MeV)

72-Hf-171





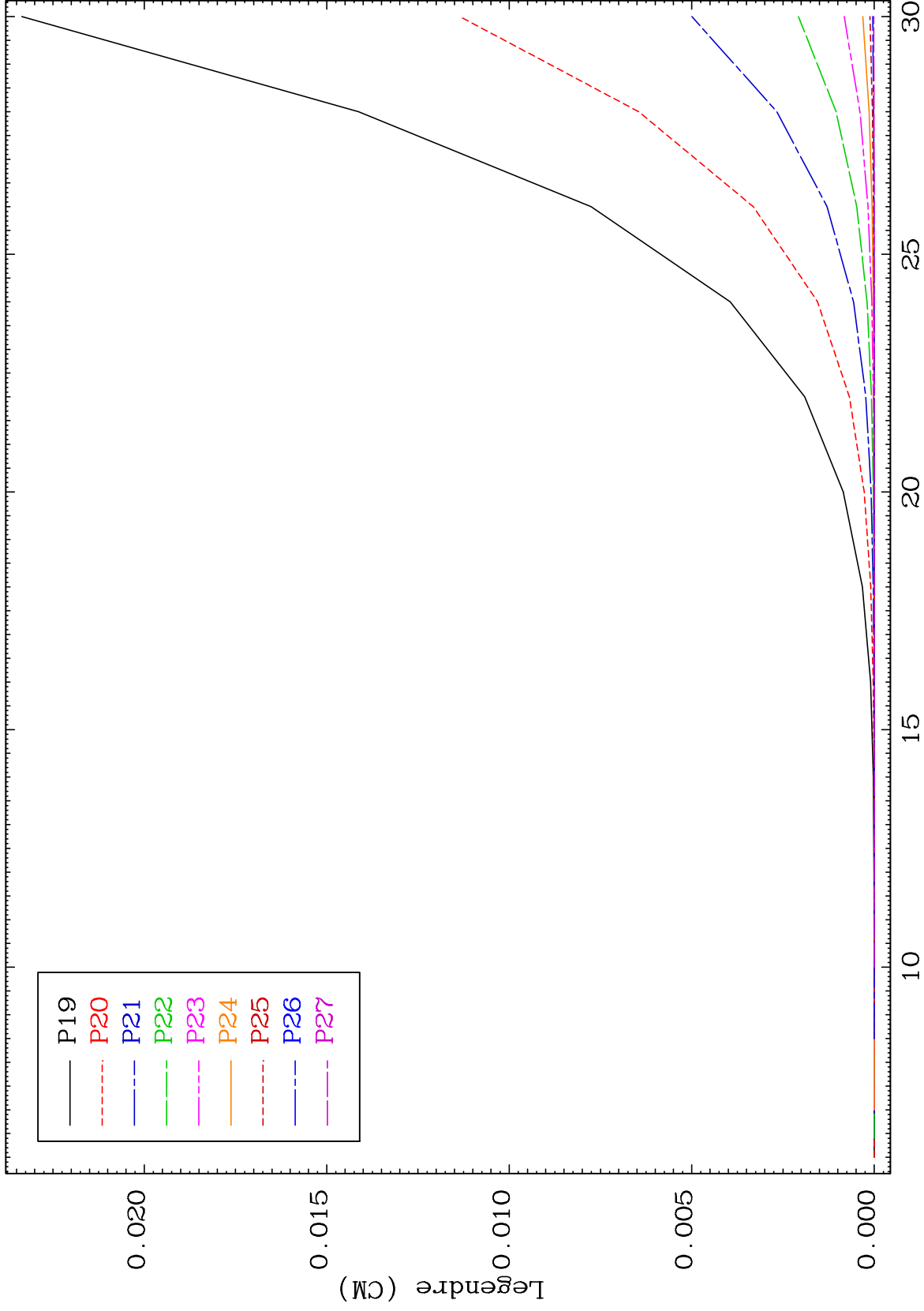




MAT 7216

Elastic
Legendre Coefficients

72-Hf-171



18

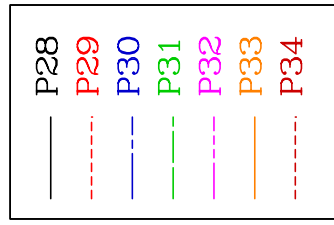
Incident Energy (MeV)

72-Hf-171

MAT 7216

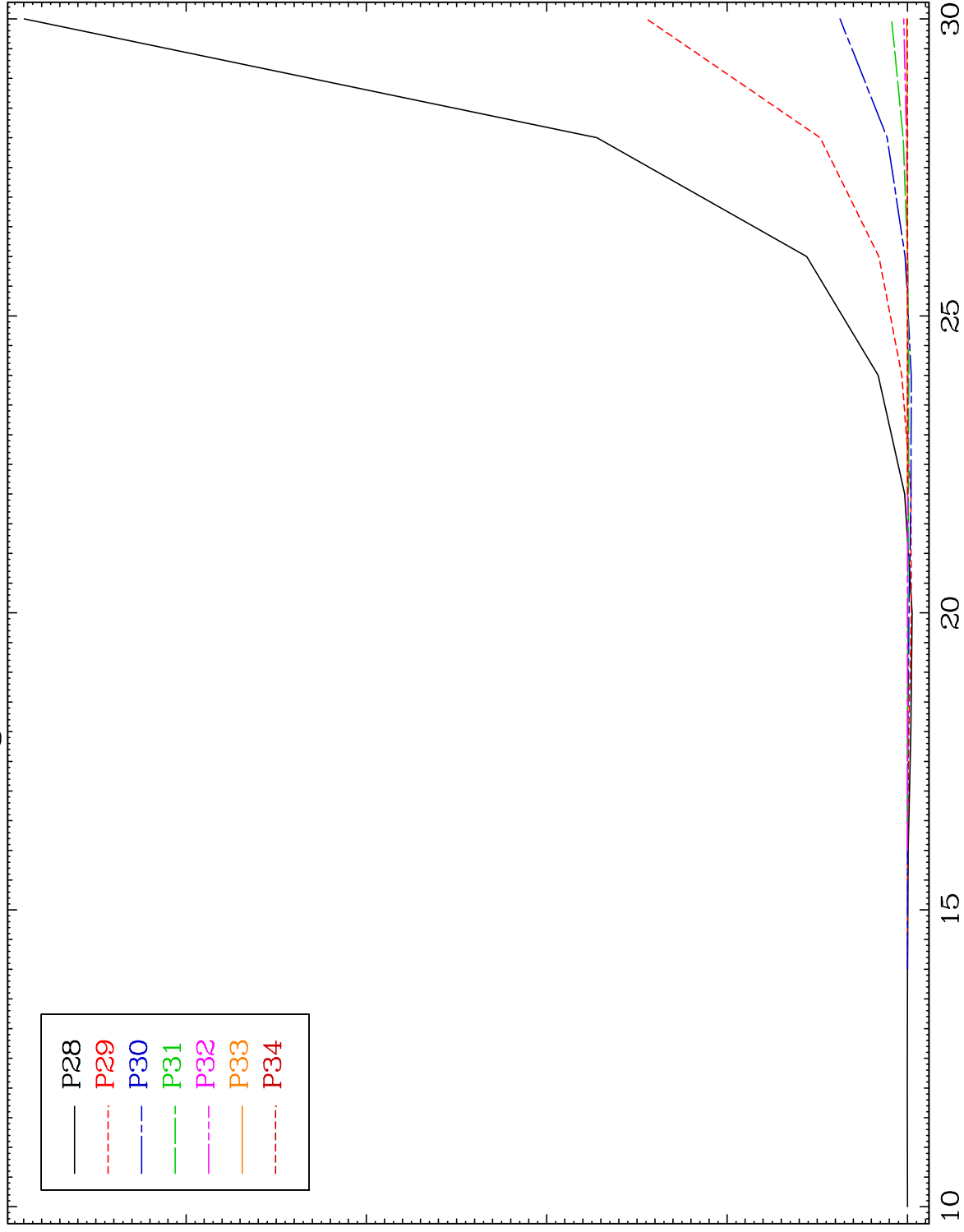
Elastic
Legendre Coefficients

72-Hf-171



$\times 10^{-6}$

Legendre (CM)



10

15

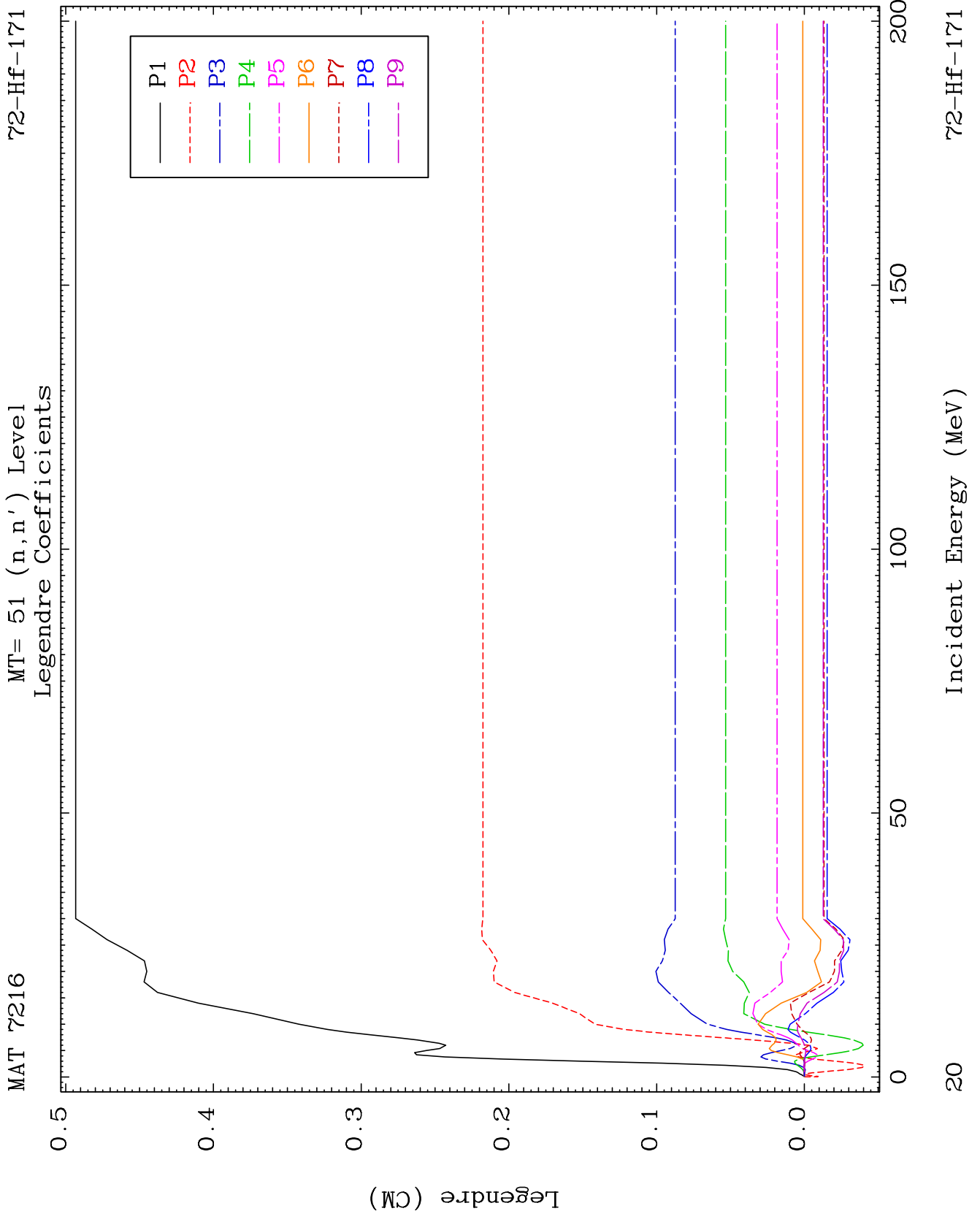
20

25

30

Incident Energy (MeV)

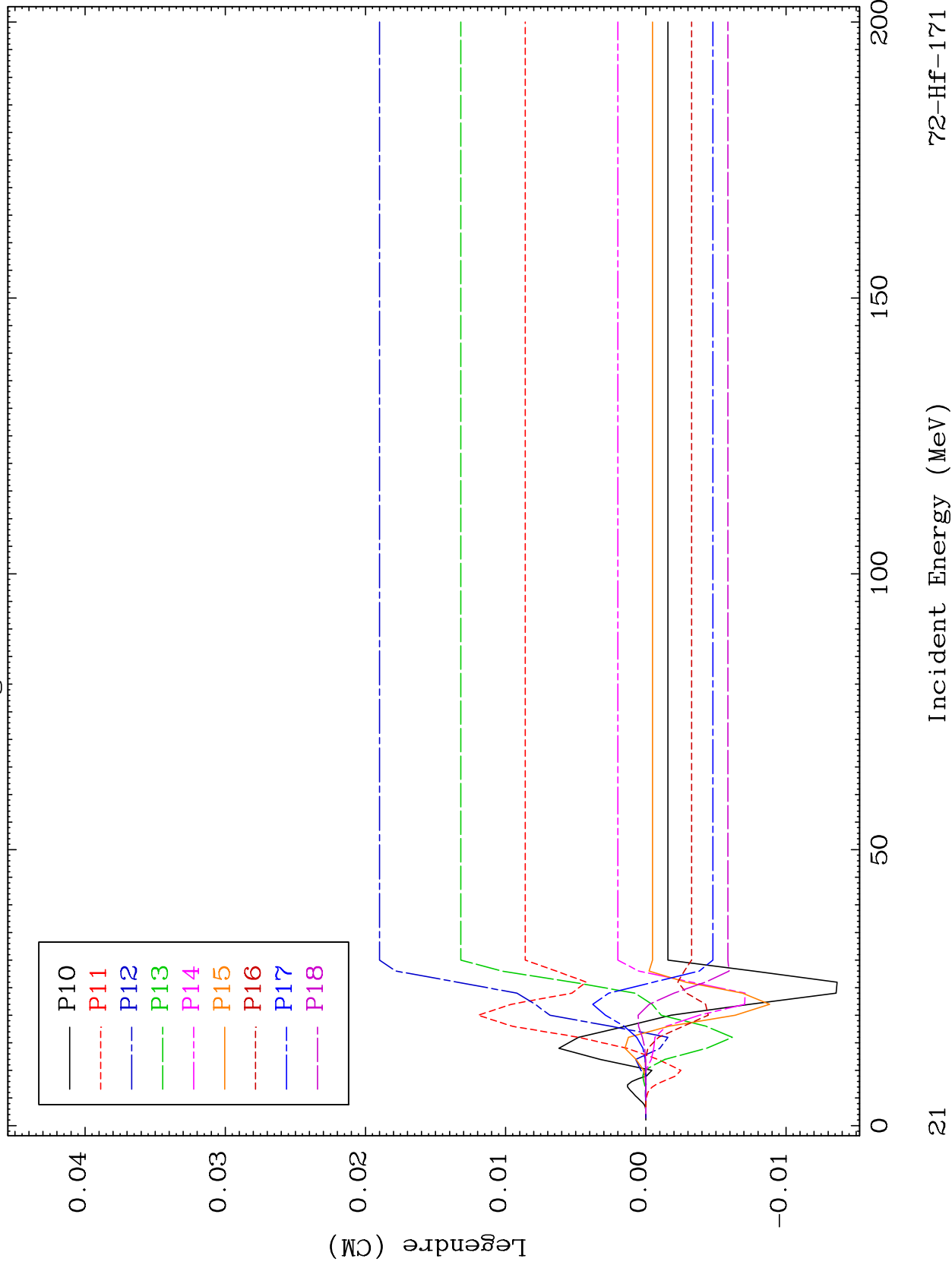
72-Hf-171



MAT 7216

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

72-Hf-171

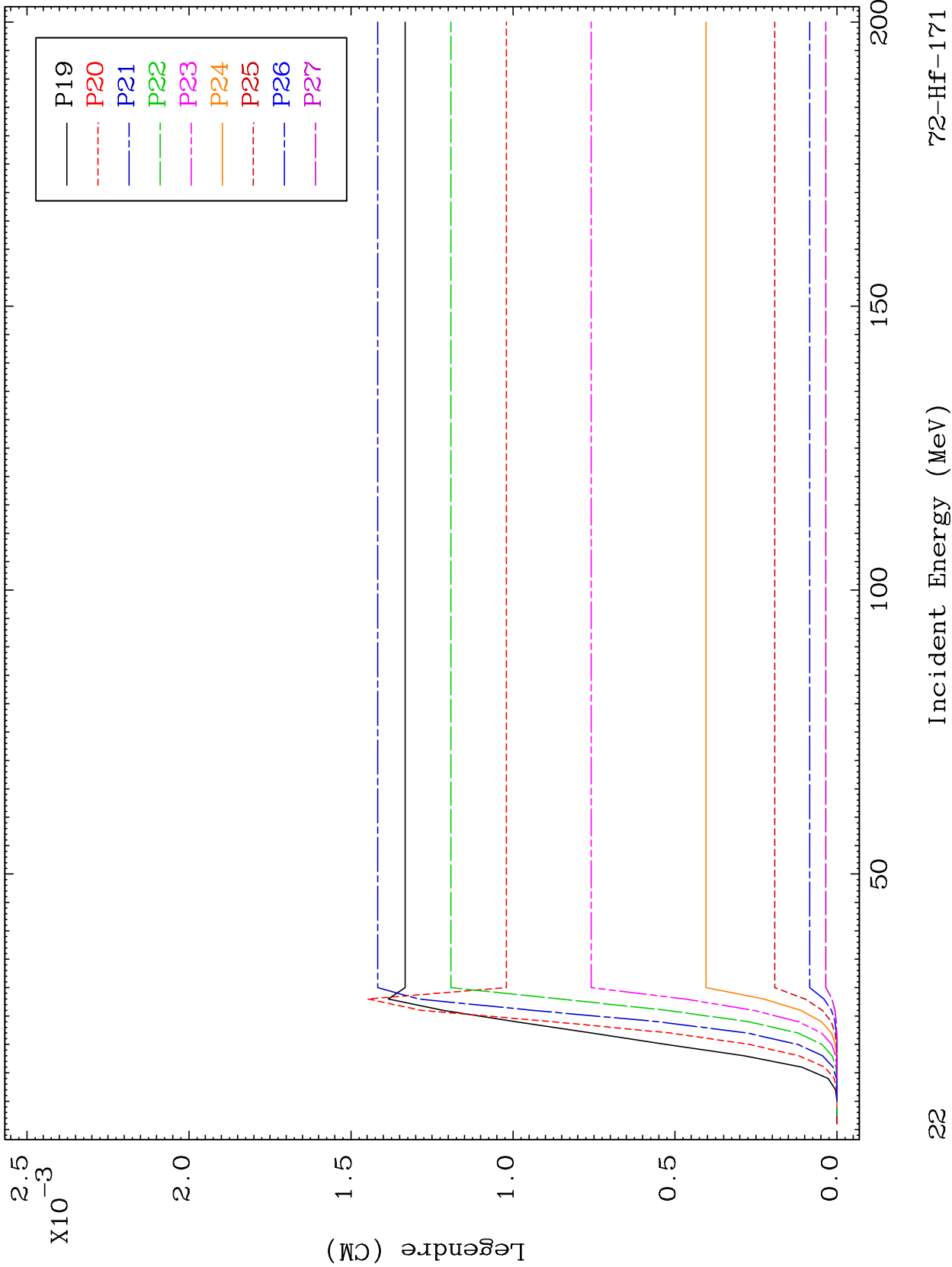


21

MAT 7216

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

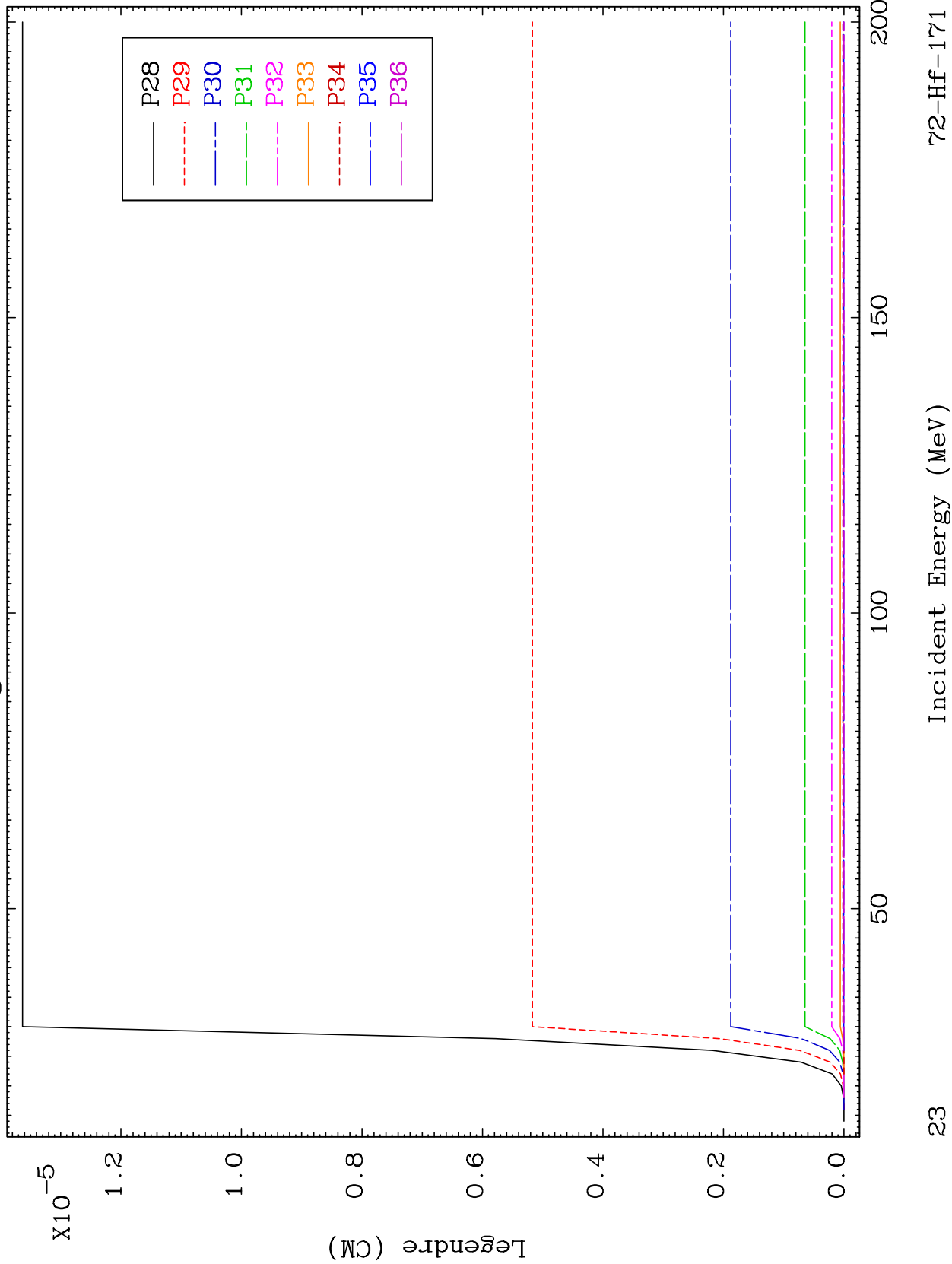
72-Hf-171

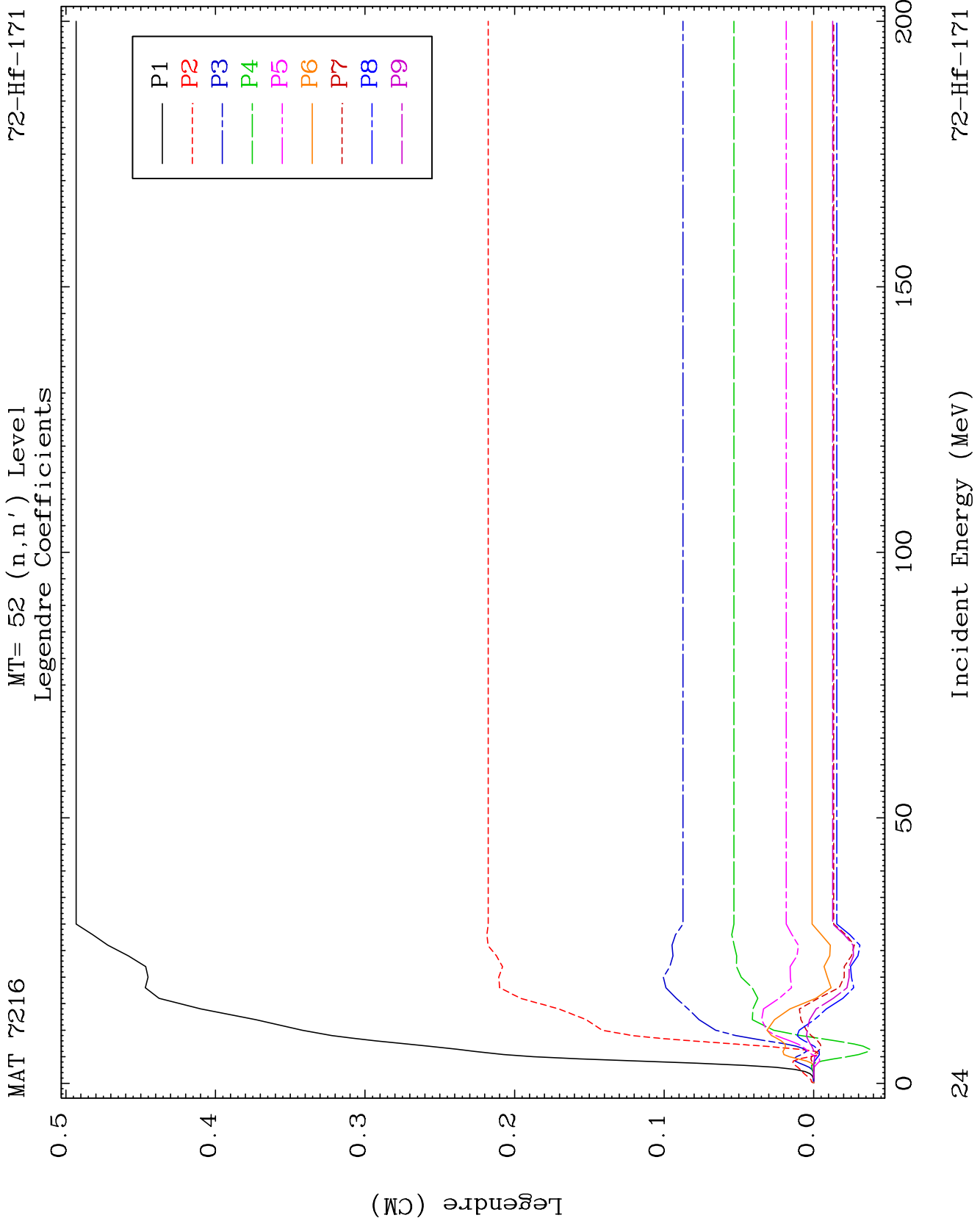


MAT 7216

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

72-Hf-171

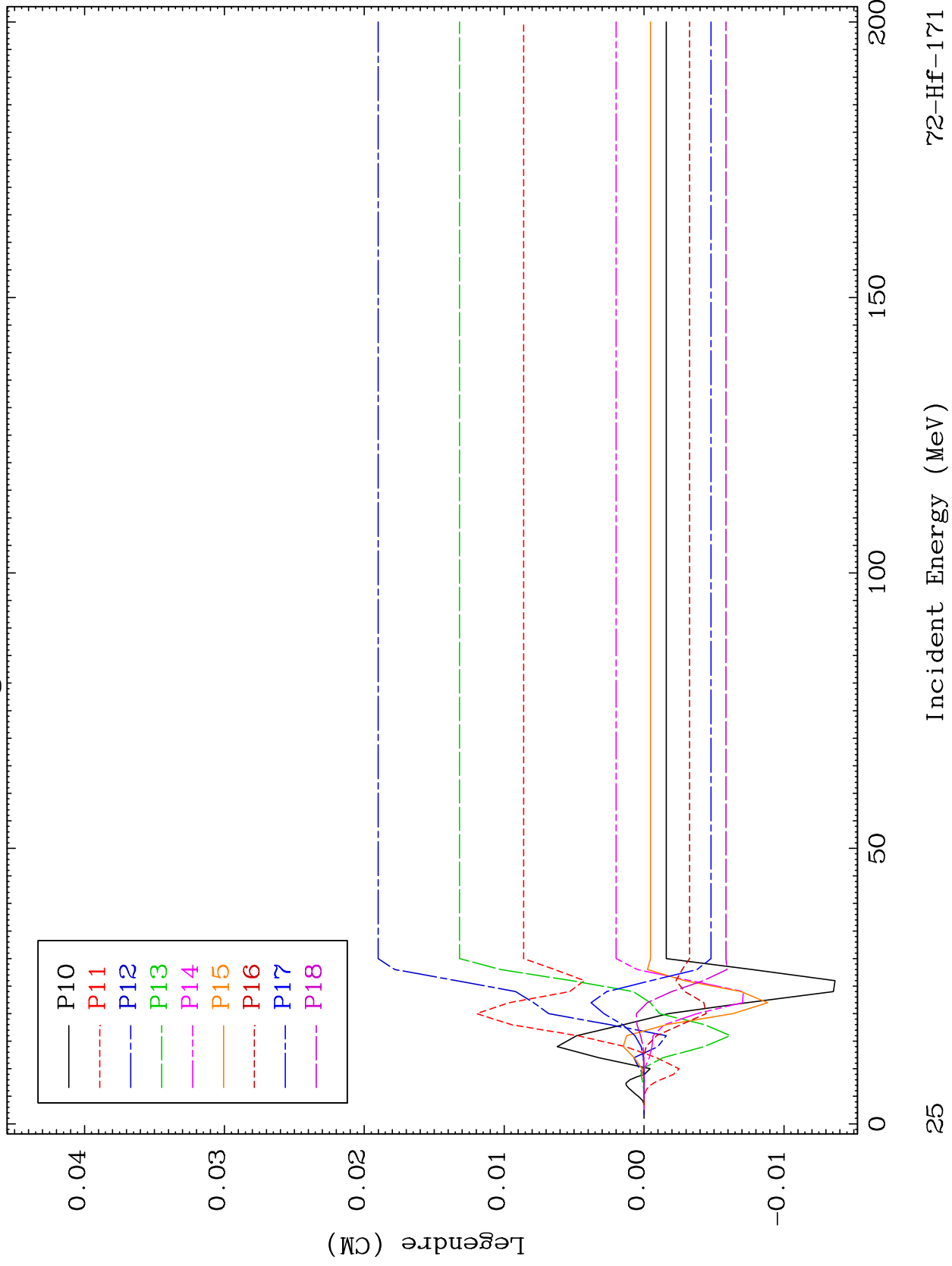




MAT 7216

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

72-Hf-171



72-Hf-171

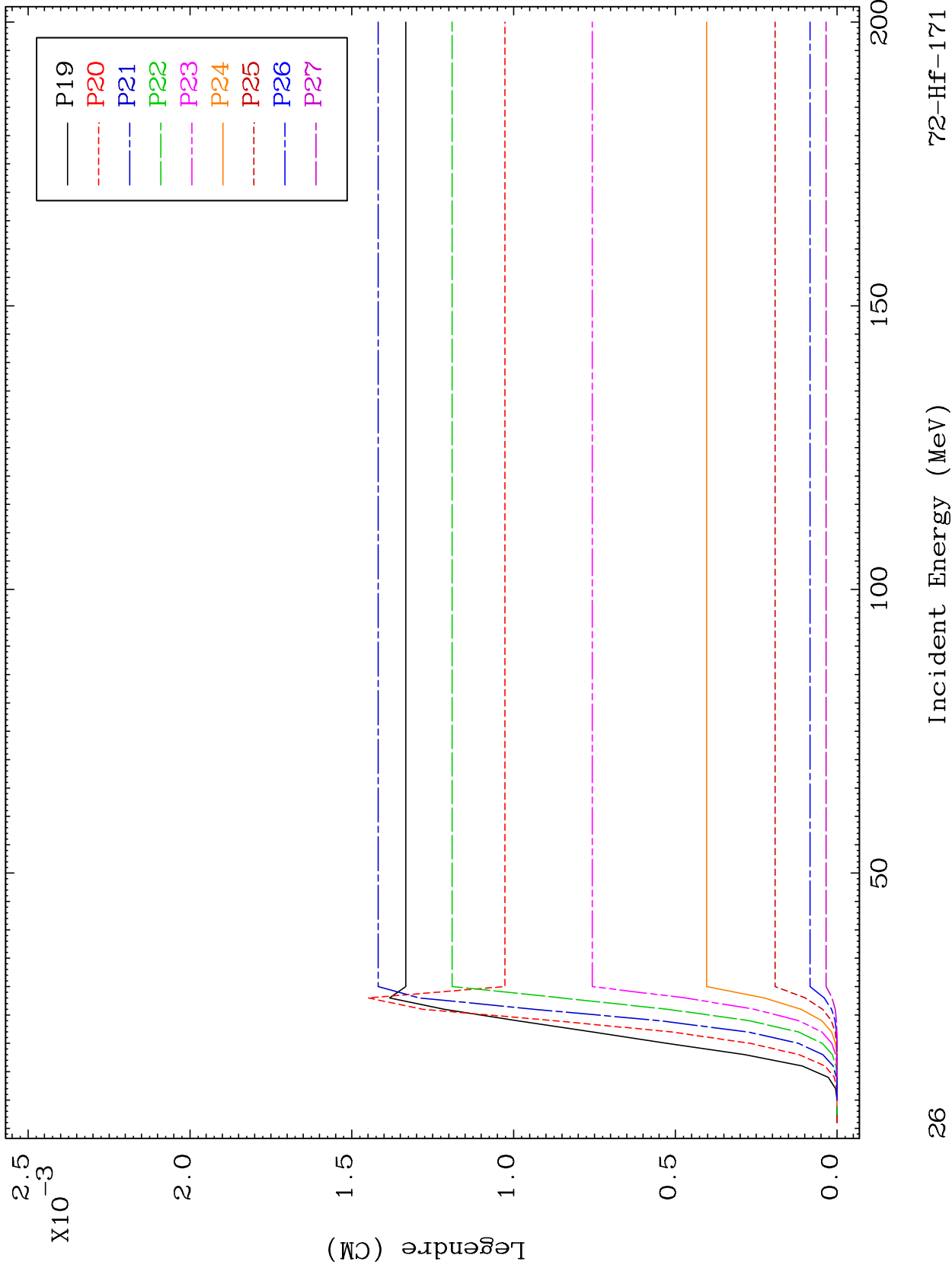
Incident Energy (MeV)

25

MAT 7216

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

72-Hf-171



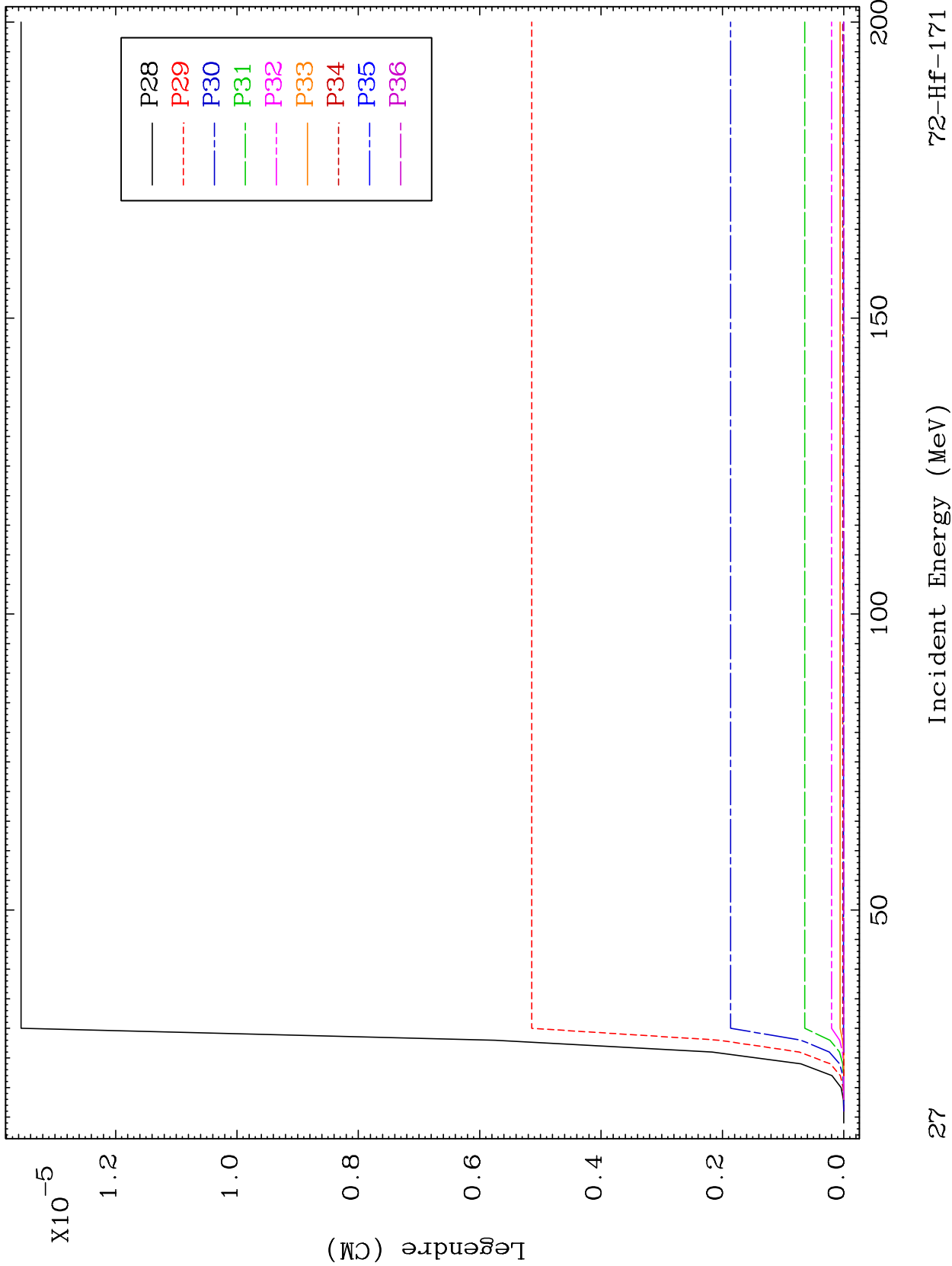
26

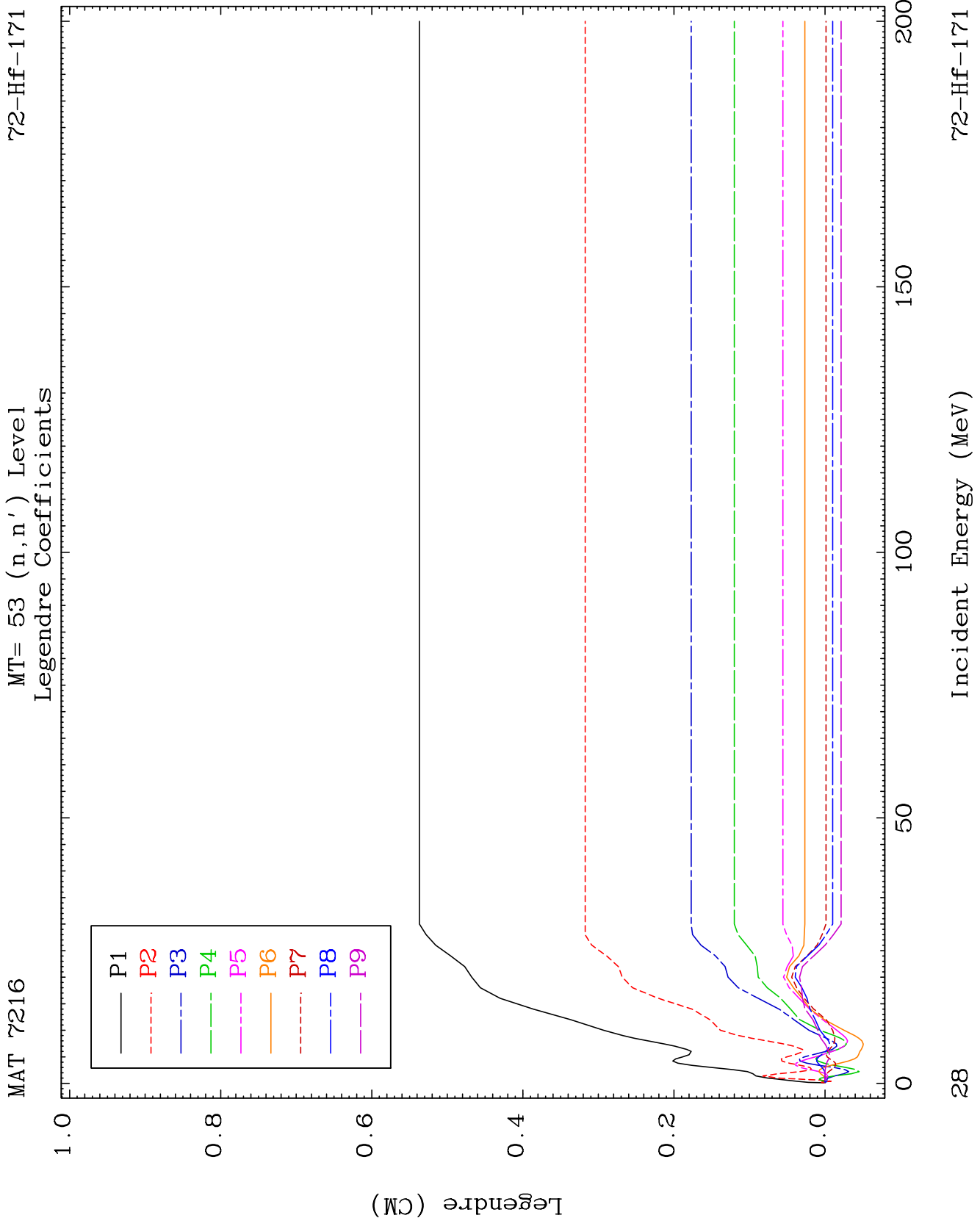
72-Hf-171

MAT 7216

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

72-Hf-171

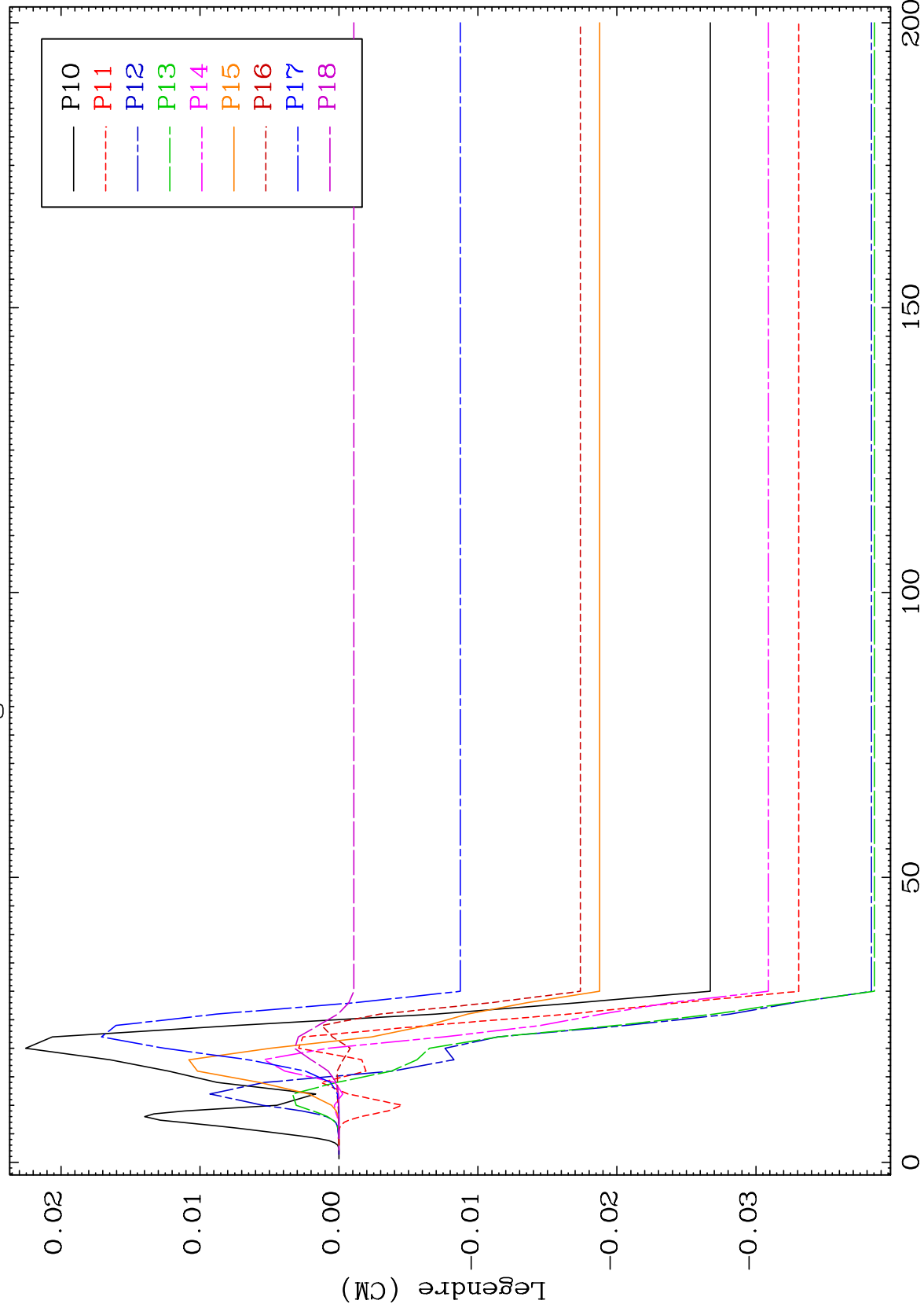




MAT 7216

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

72-Hf-171



29

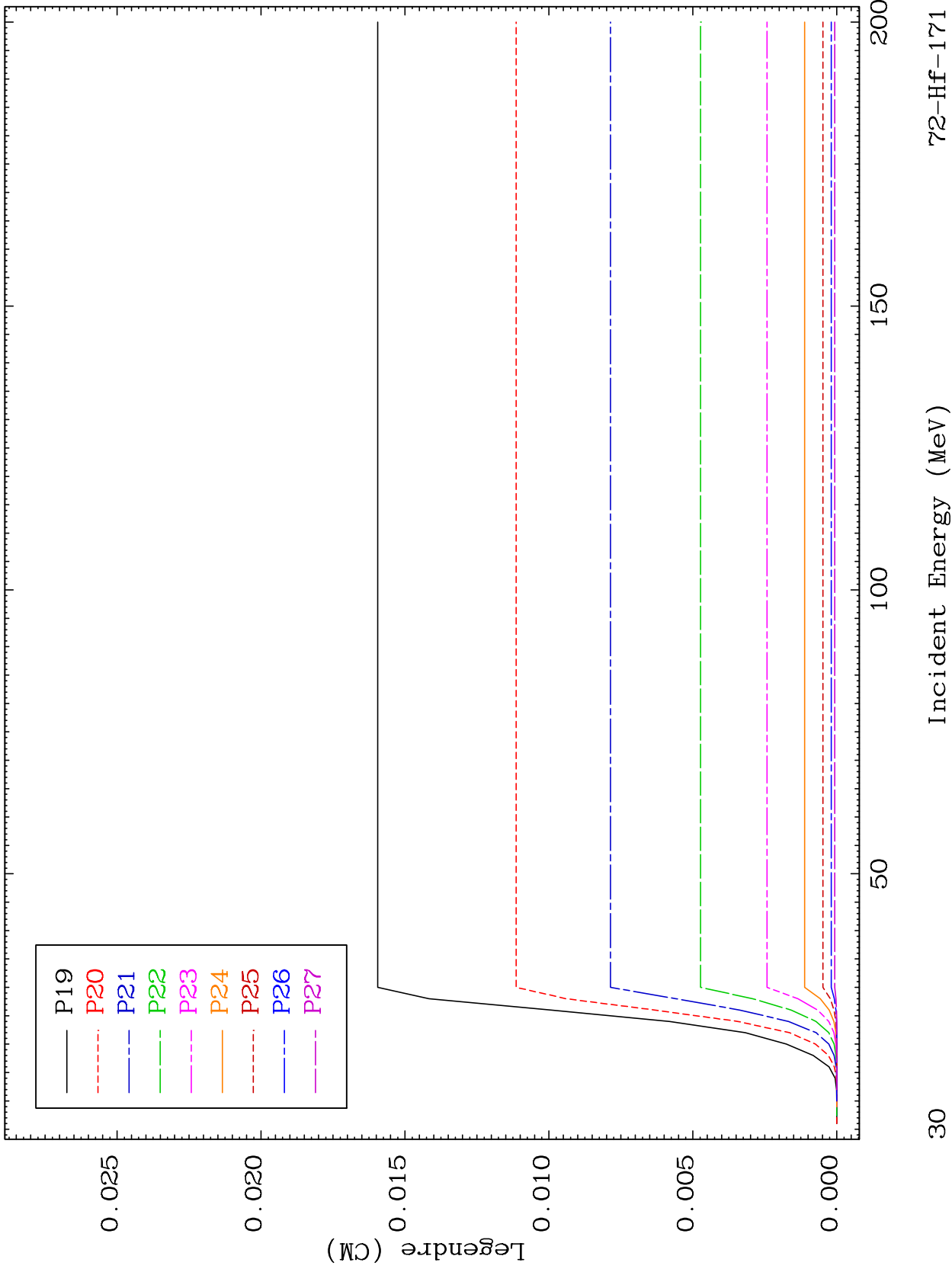
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

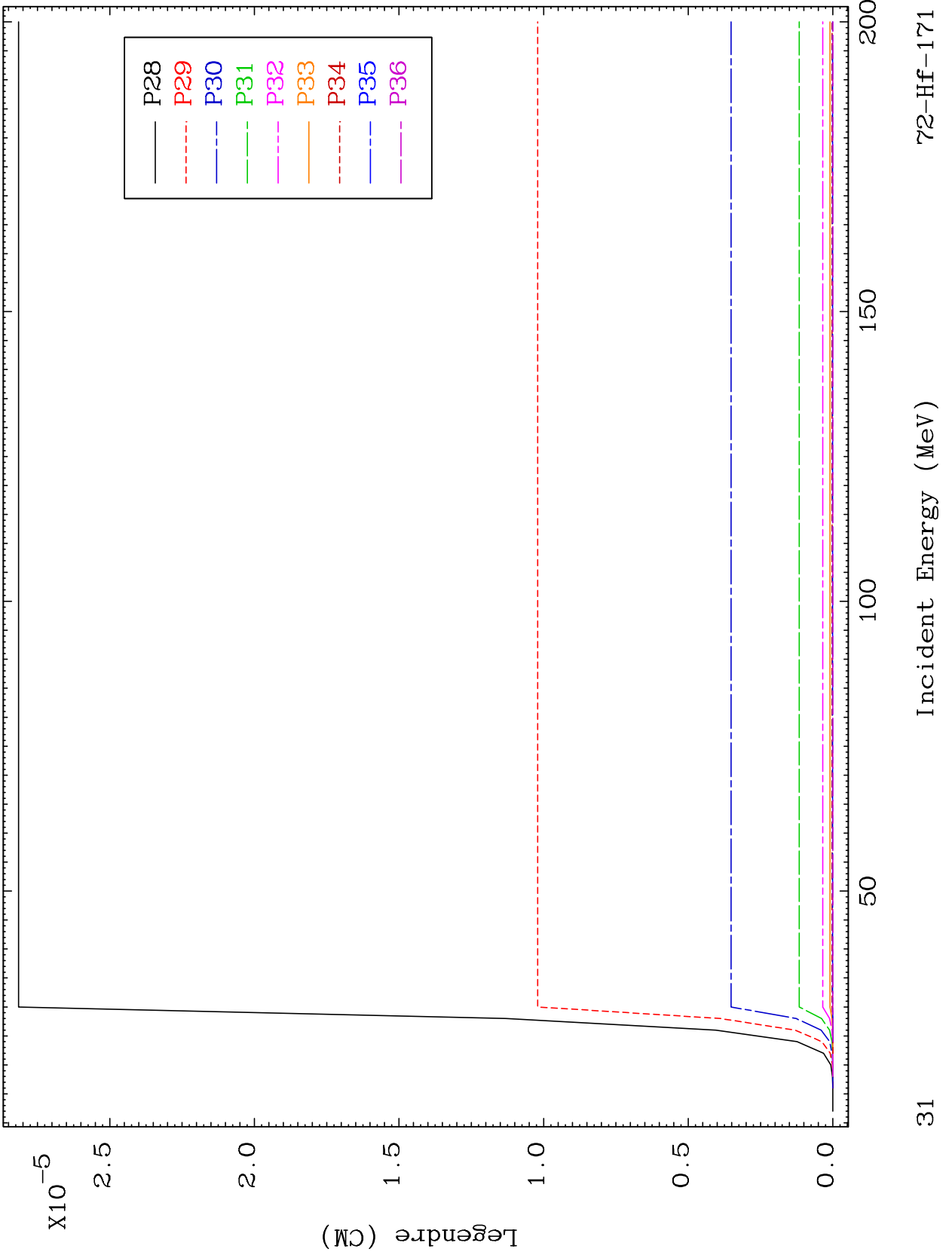
72-Hf-171

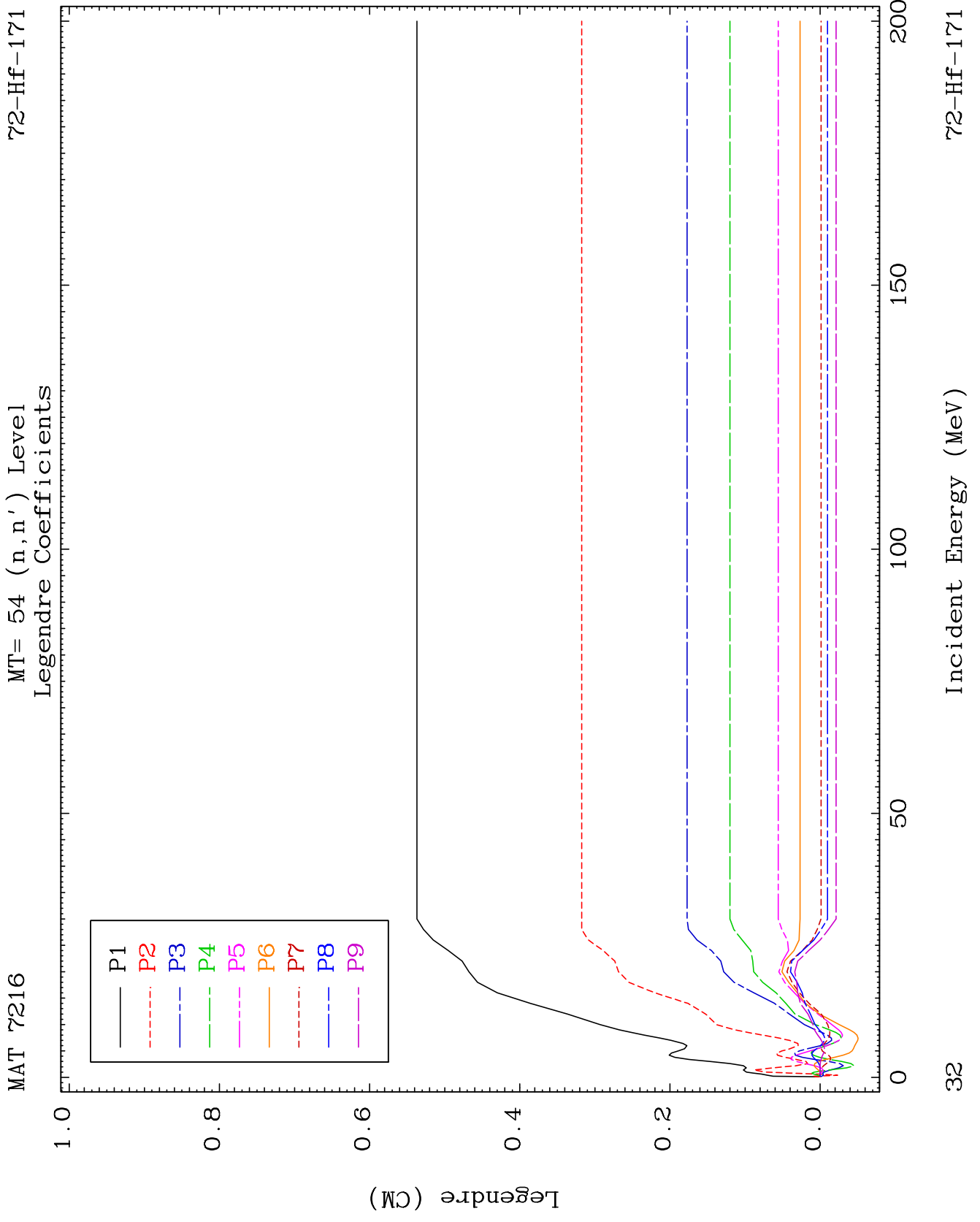


30

Incident Energy (MeV)

72-Hf-171

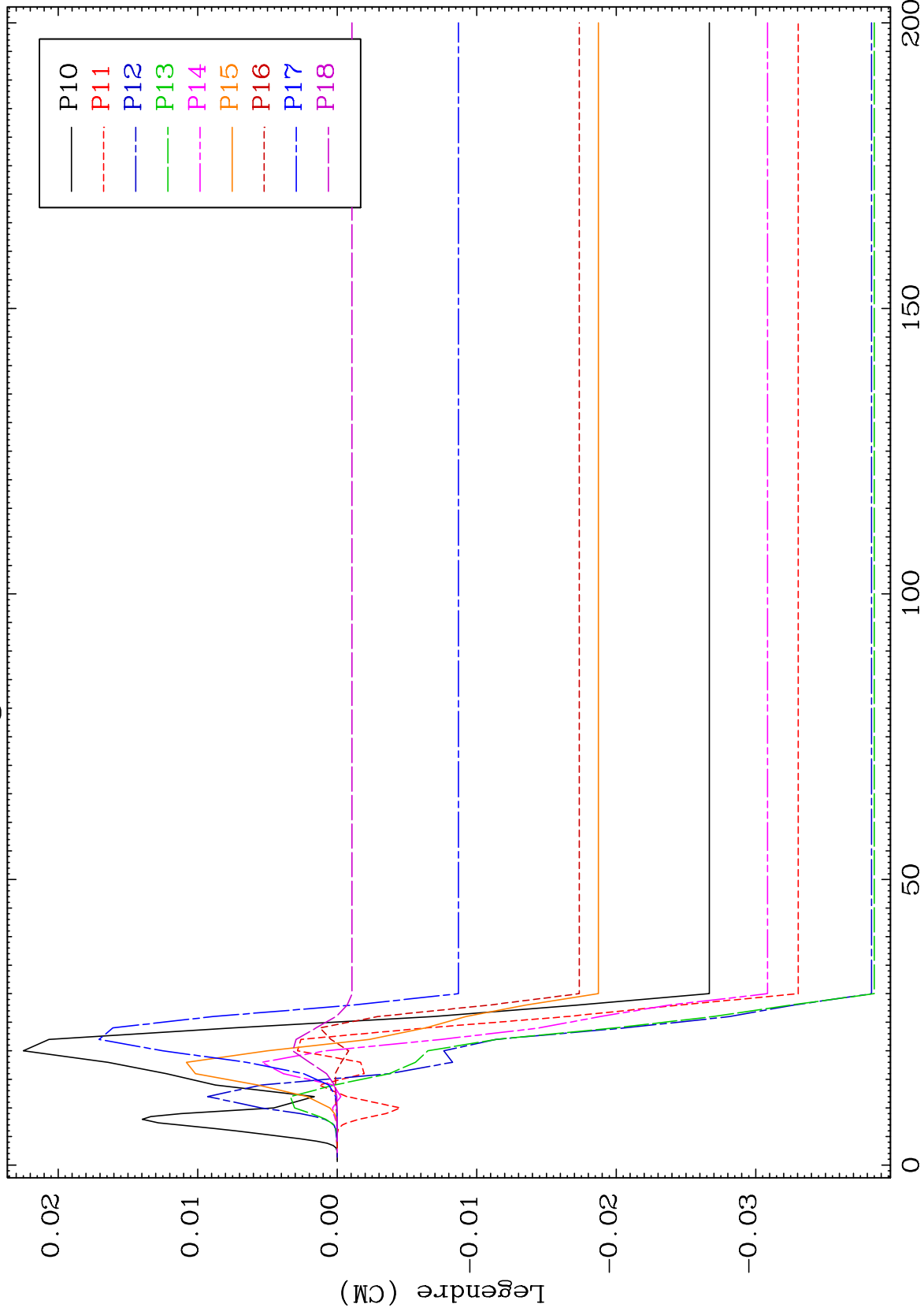


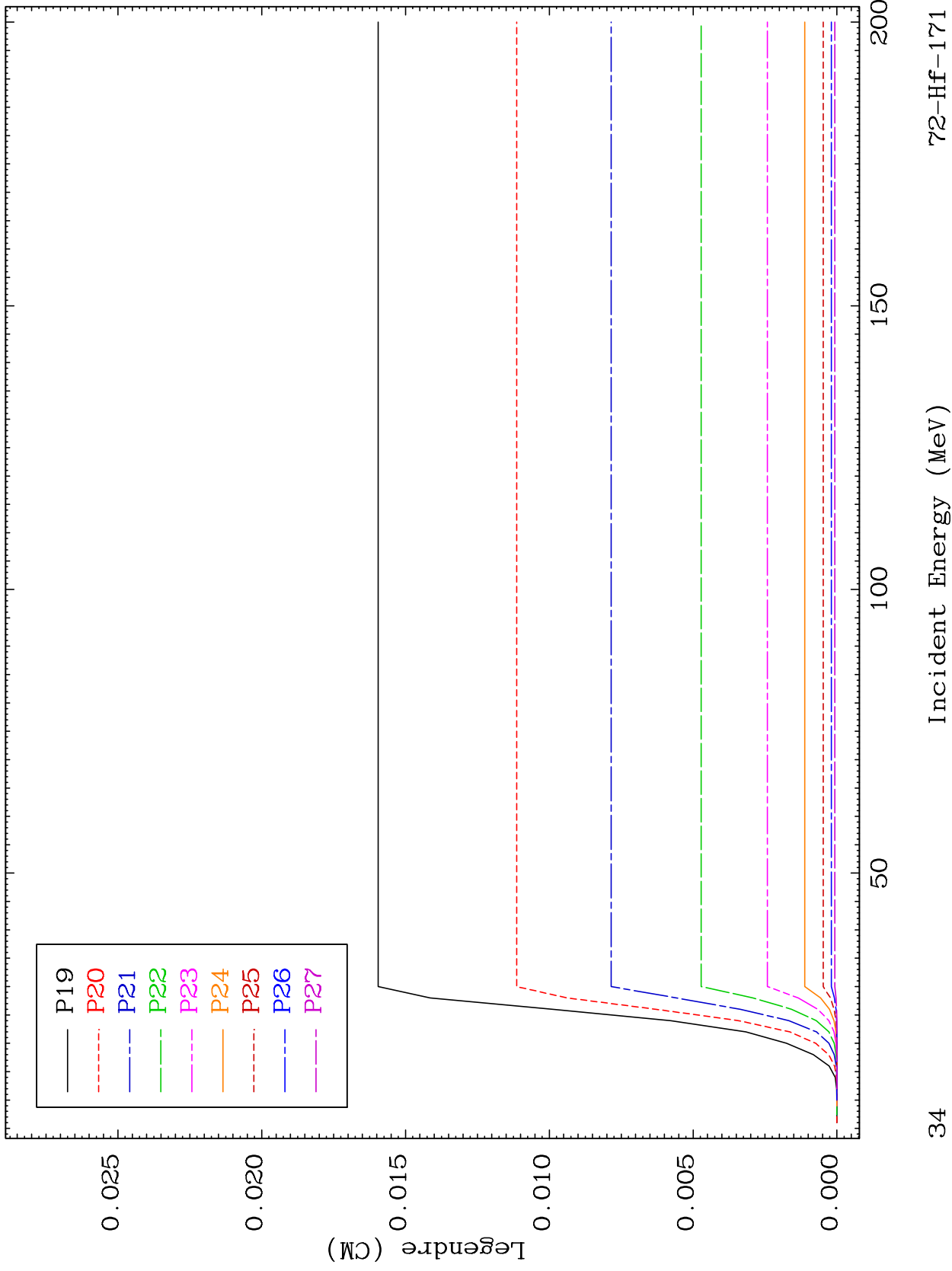


MAT 7216

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

72-Hf-171

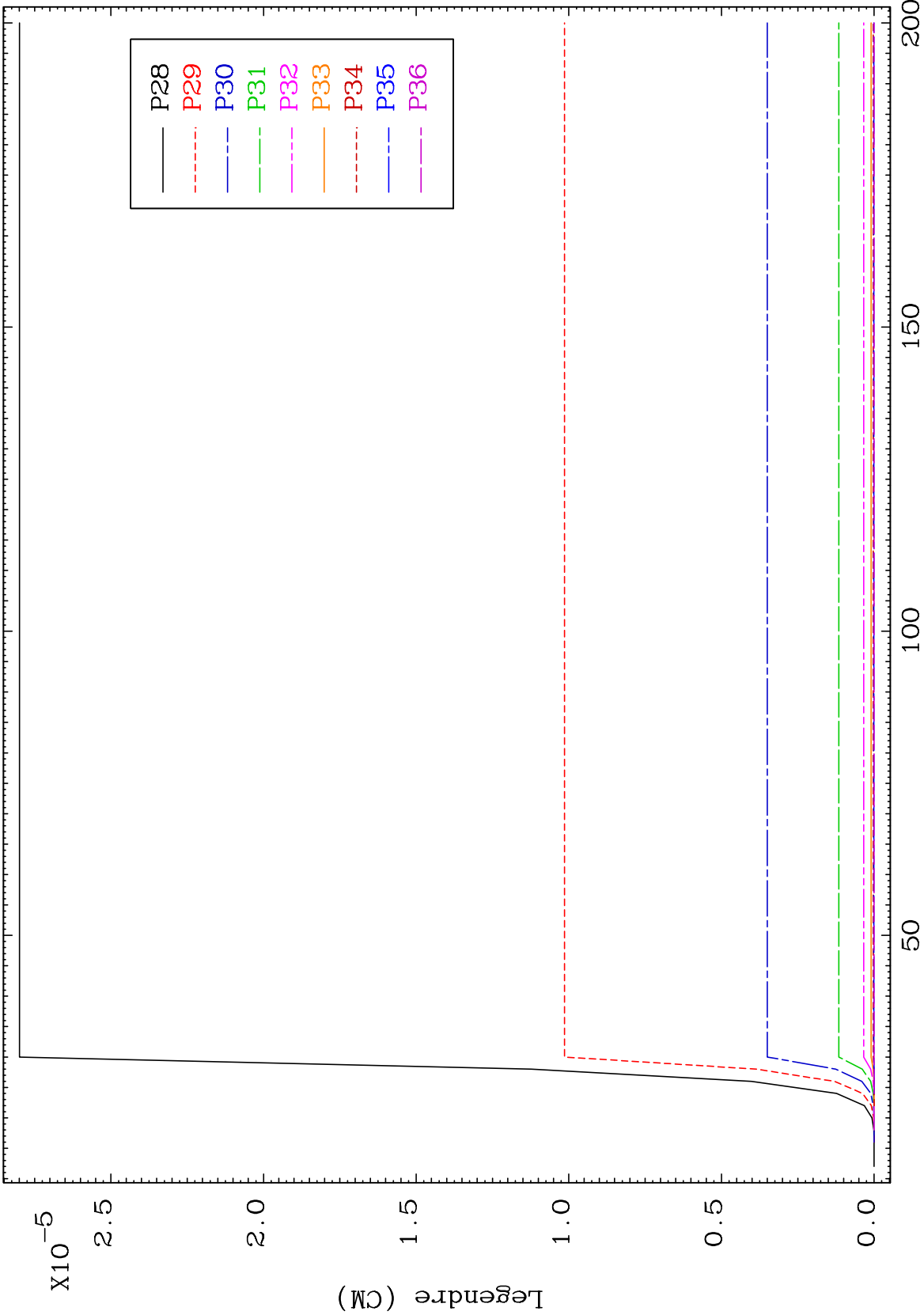




MAT 7216

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

72-Hf-171



35

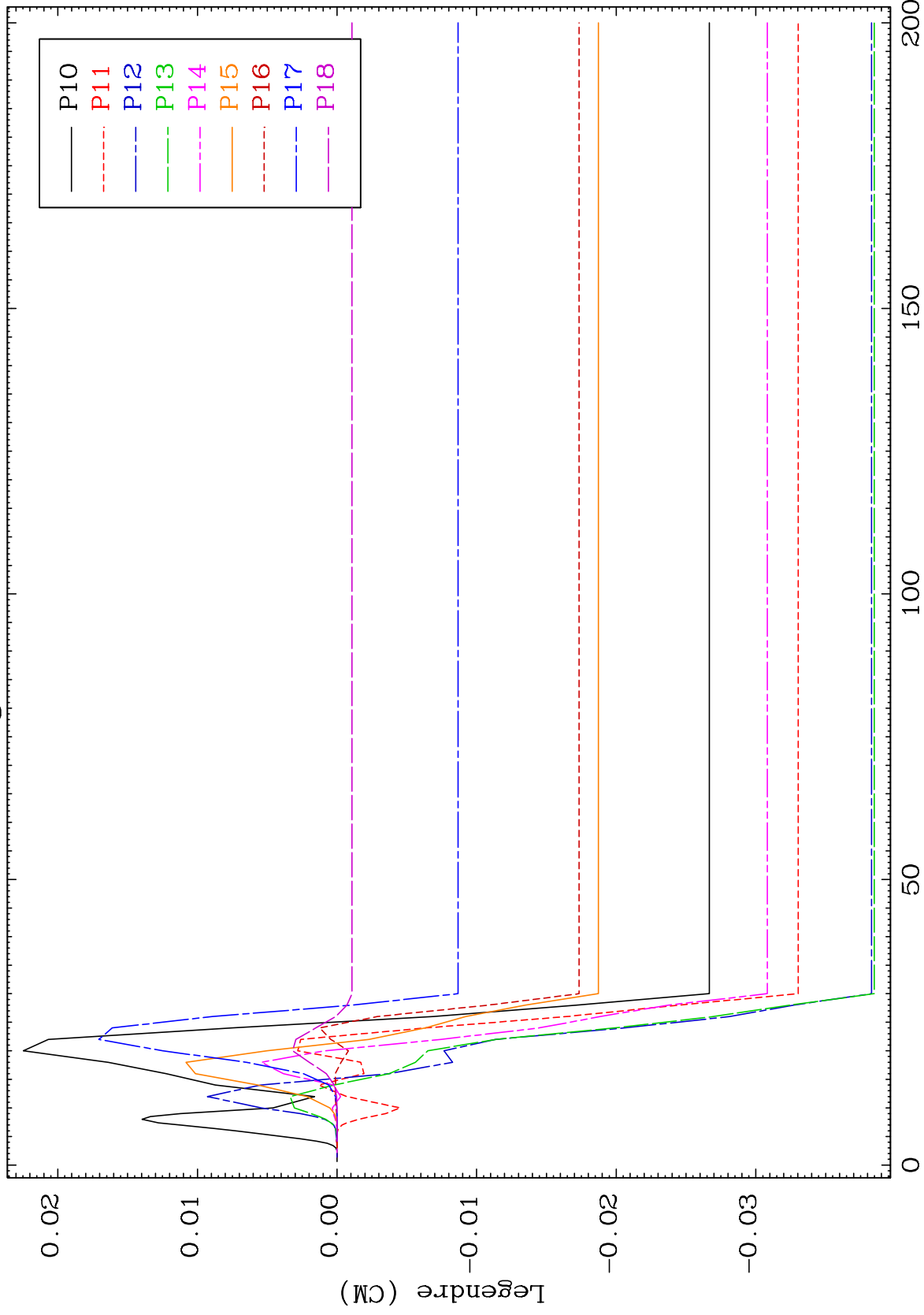
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



37

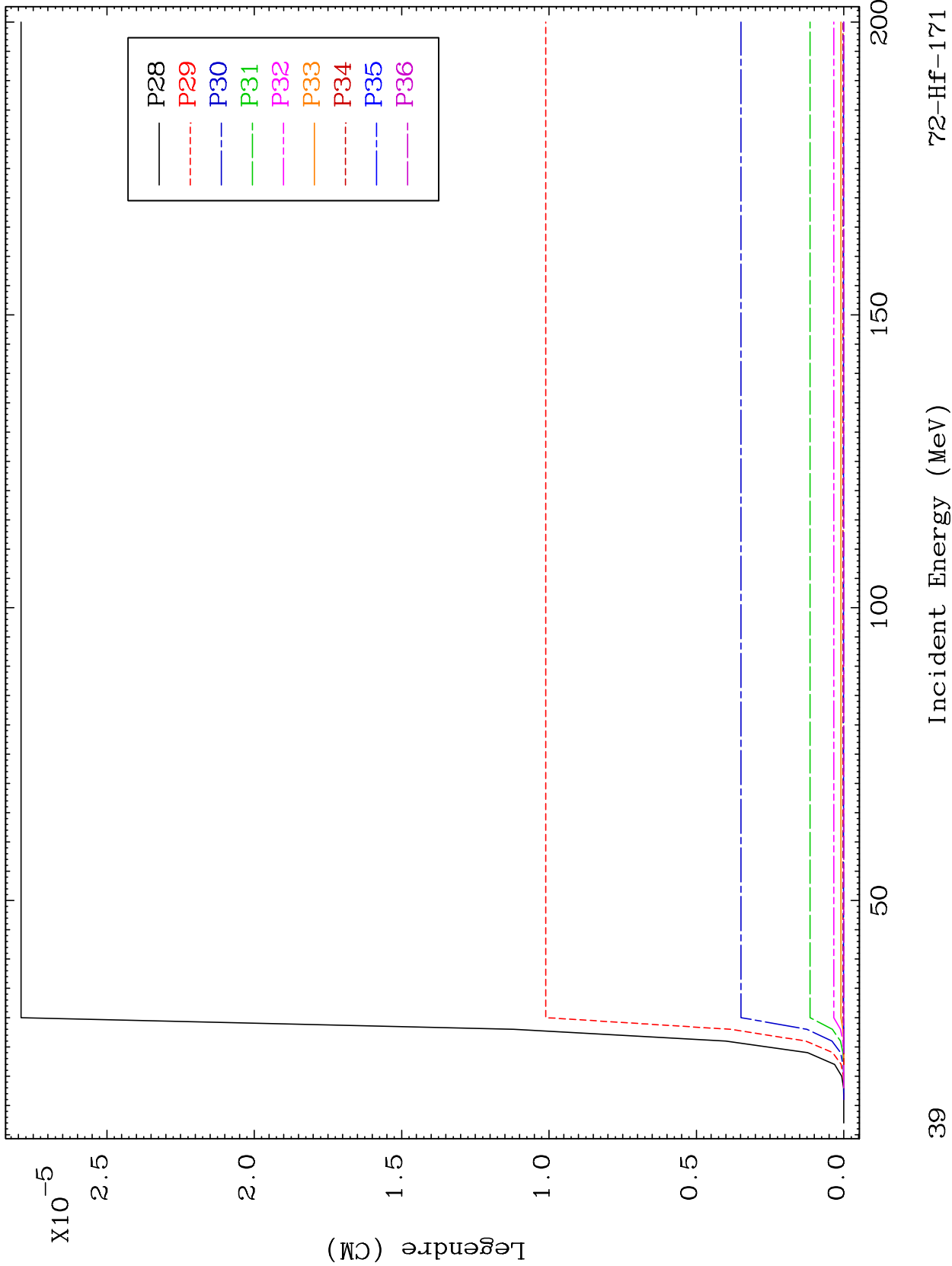
Incident Energy (MeV)

72-Hf-171

MAT 7216

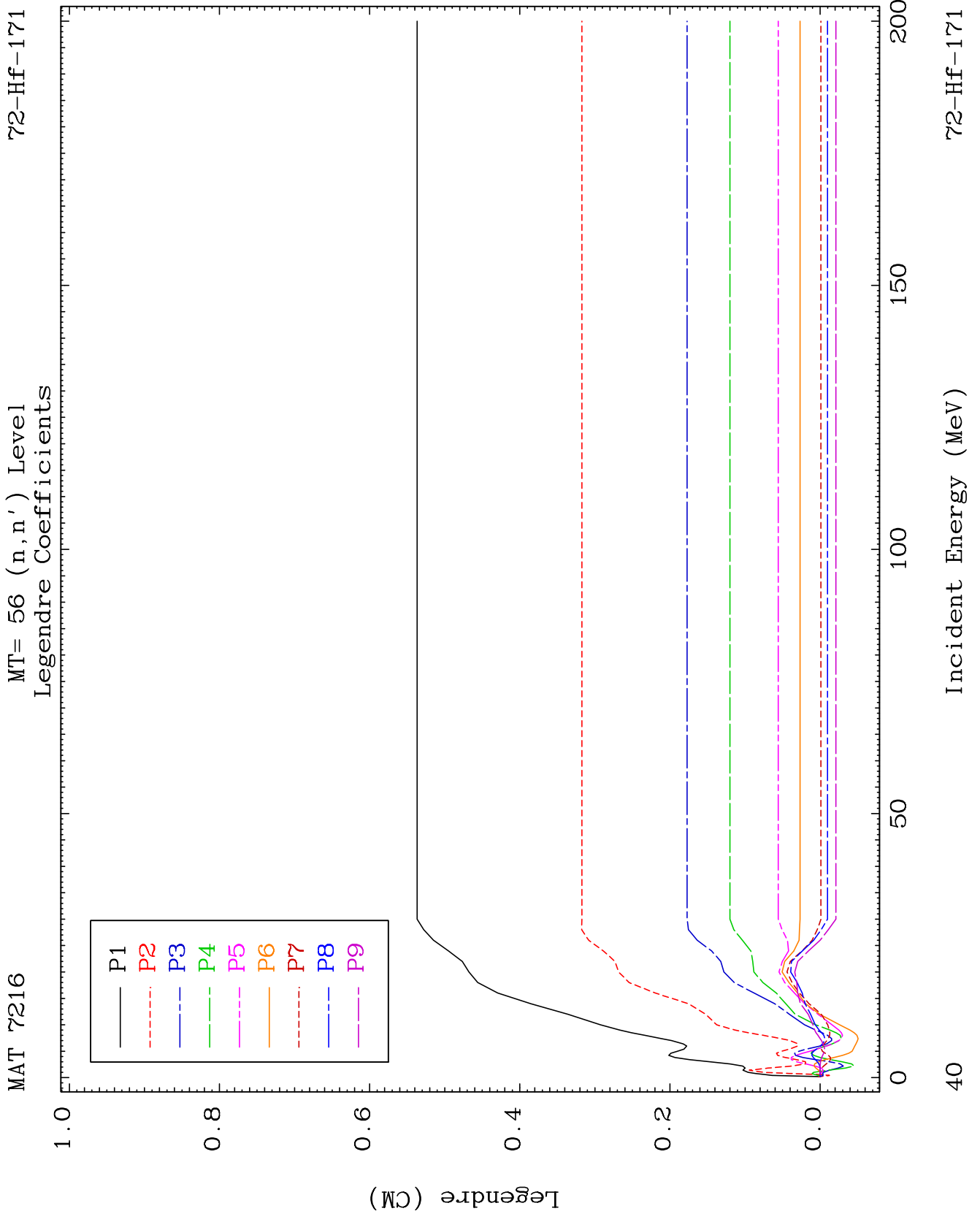
MT= 55 (n,n') Level
Legendre Coefficients

72-Hf-171



39

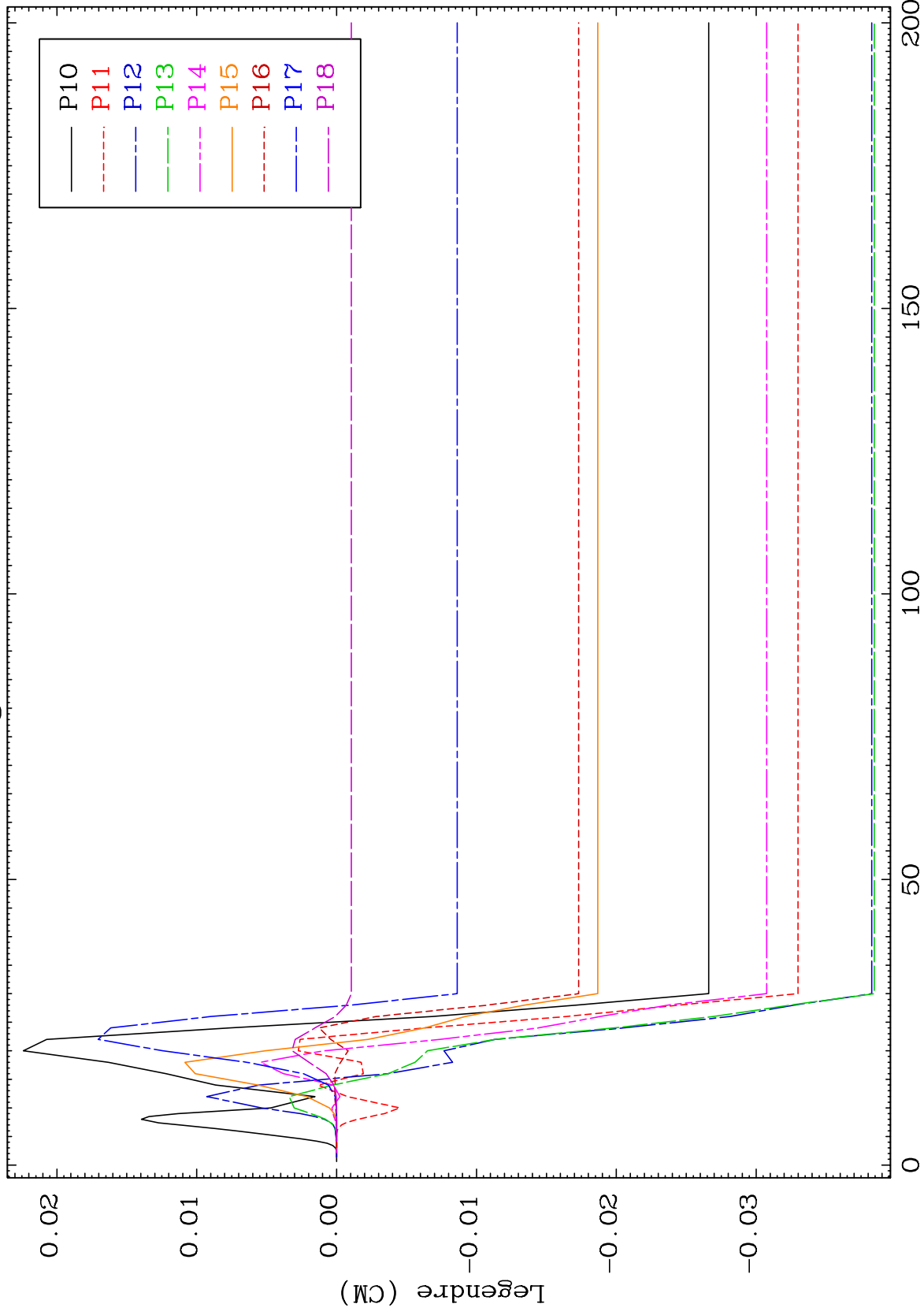
72-Hf-171



MAT 7216

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

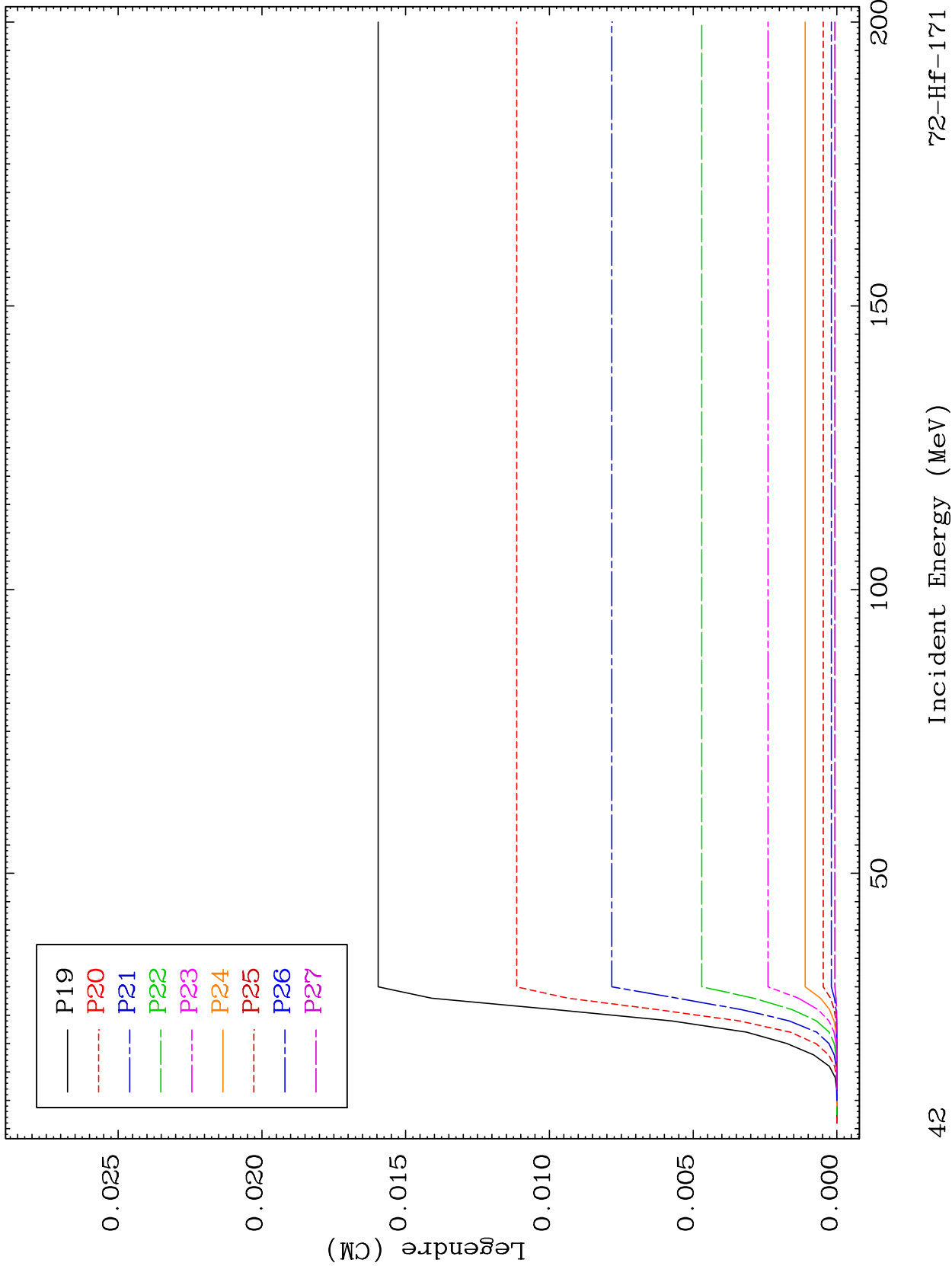
72-Hf-171



41

Incident Energy (MeV)

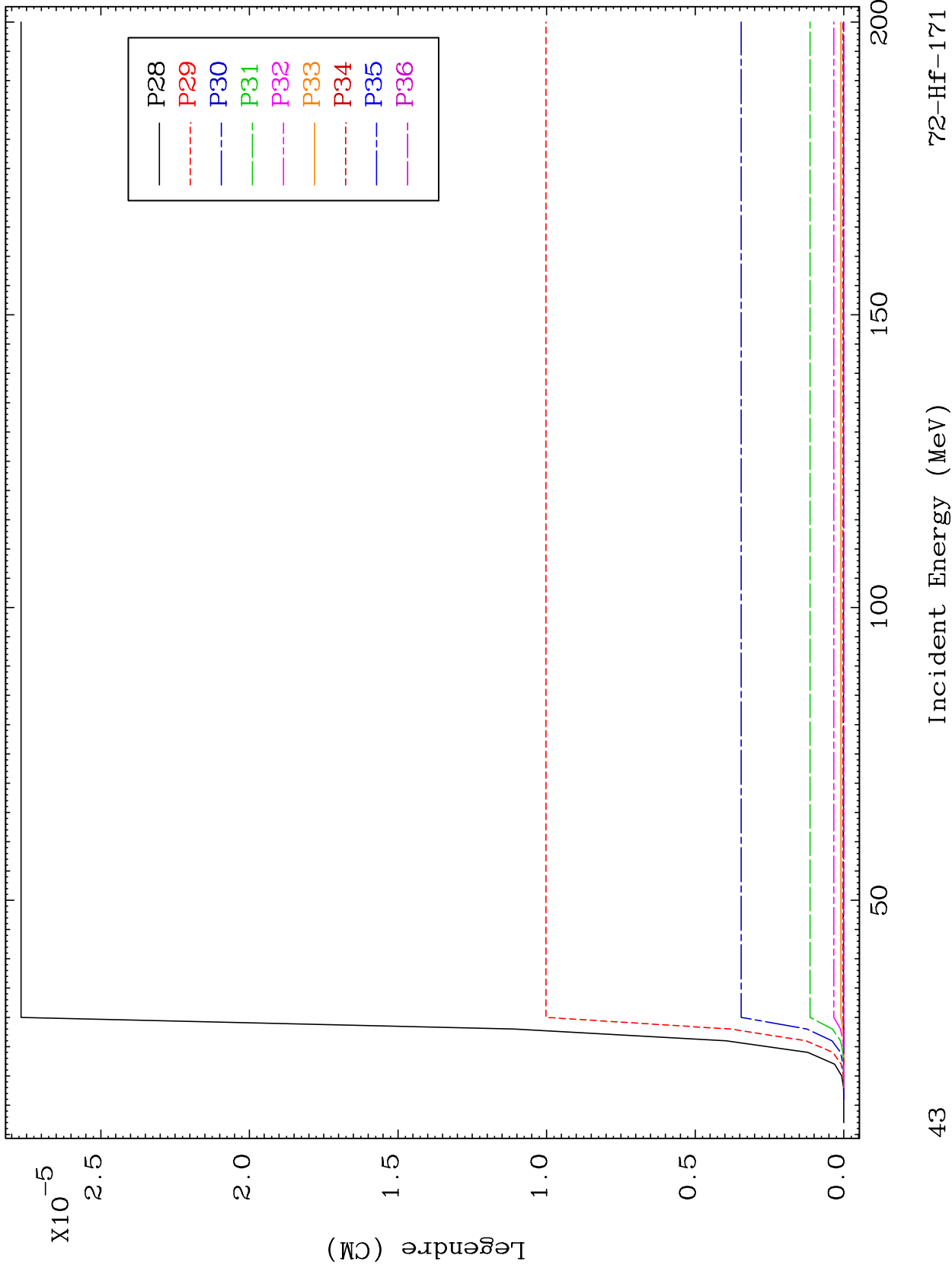
72-Hf-171



MAT 7216

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

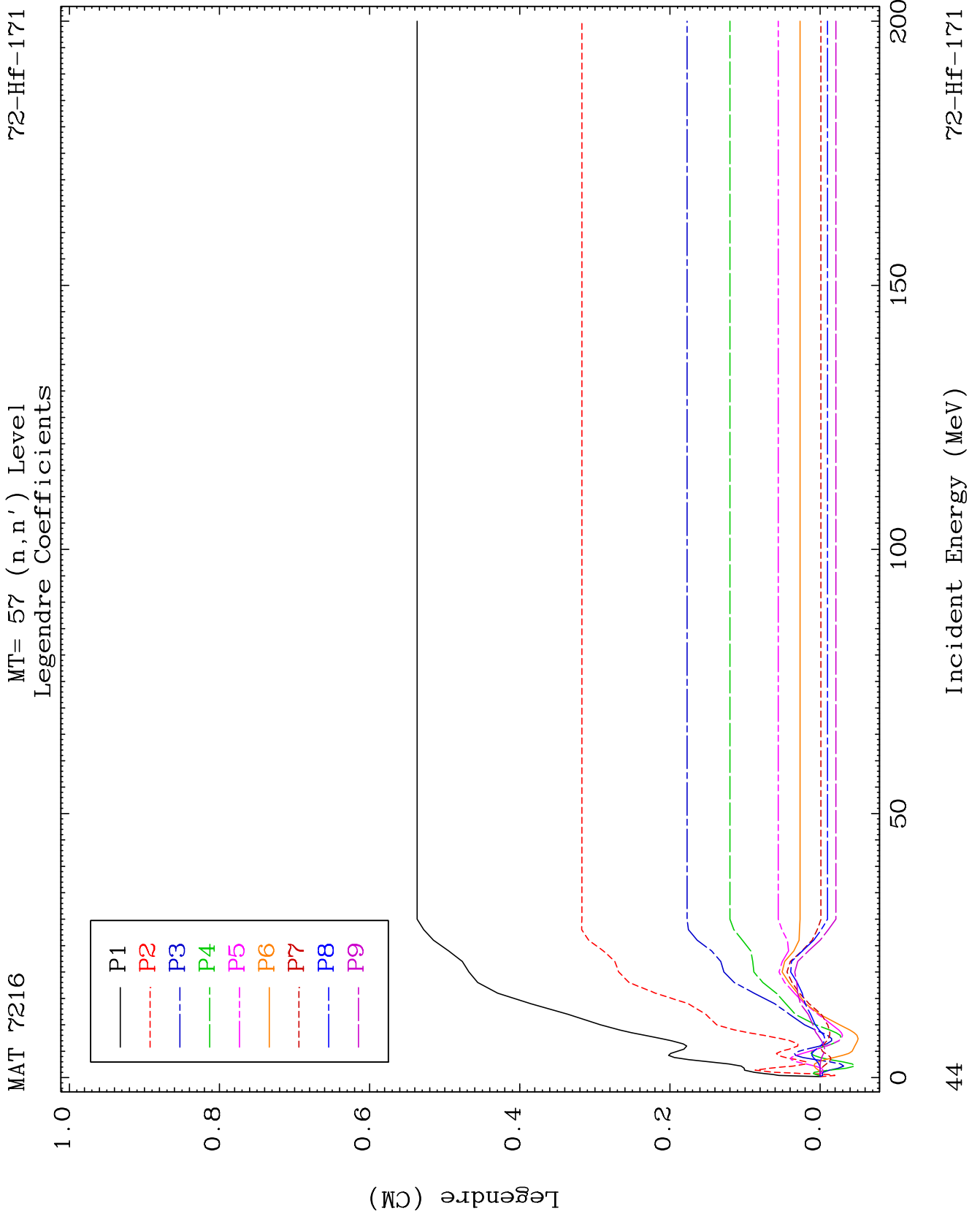
72-Hf-171

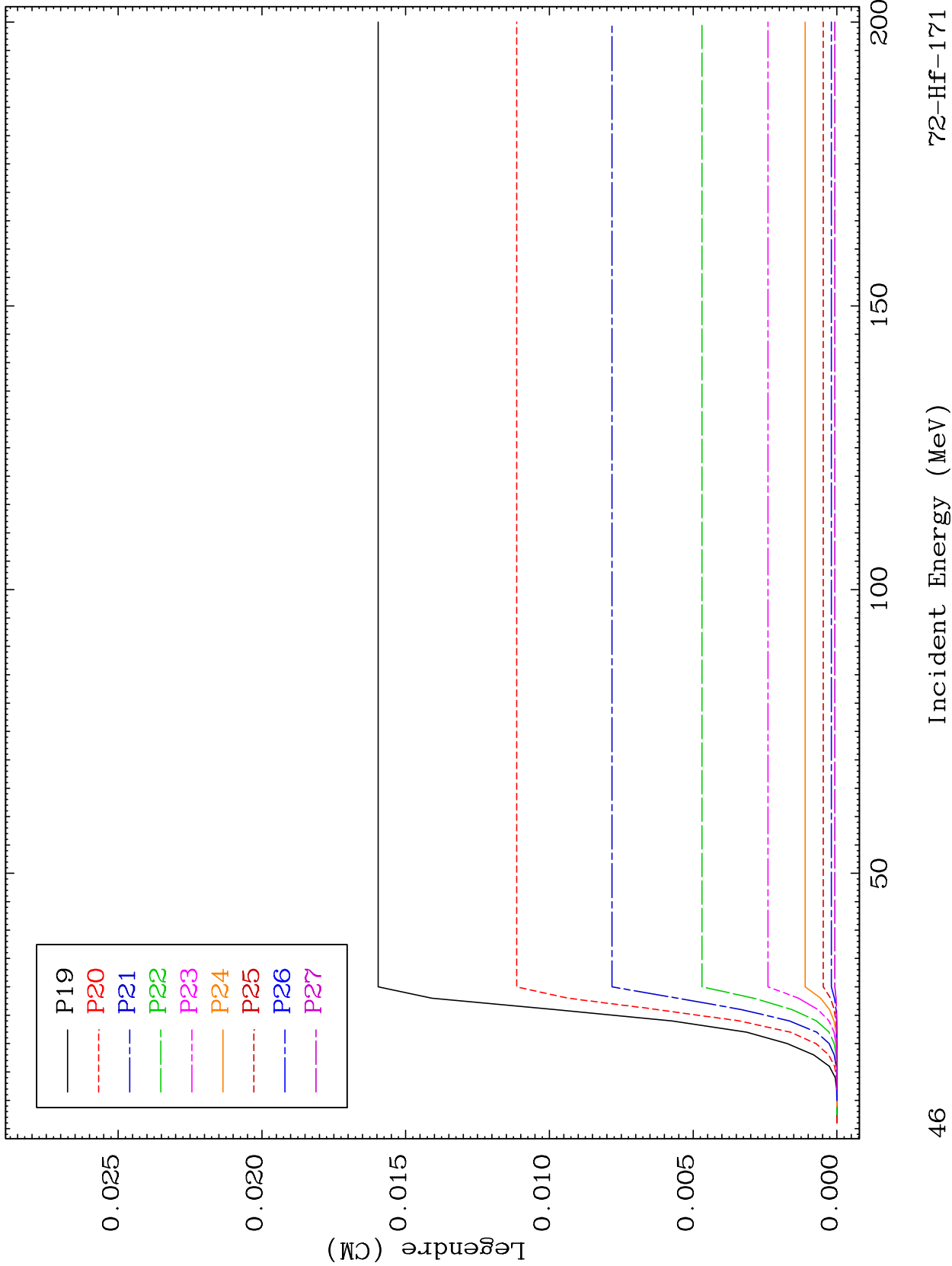


43

Incident Energy (MeV)

72-Hf-171

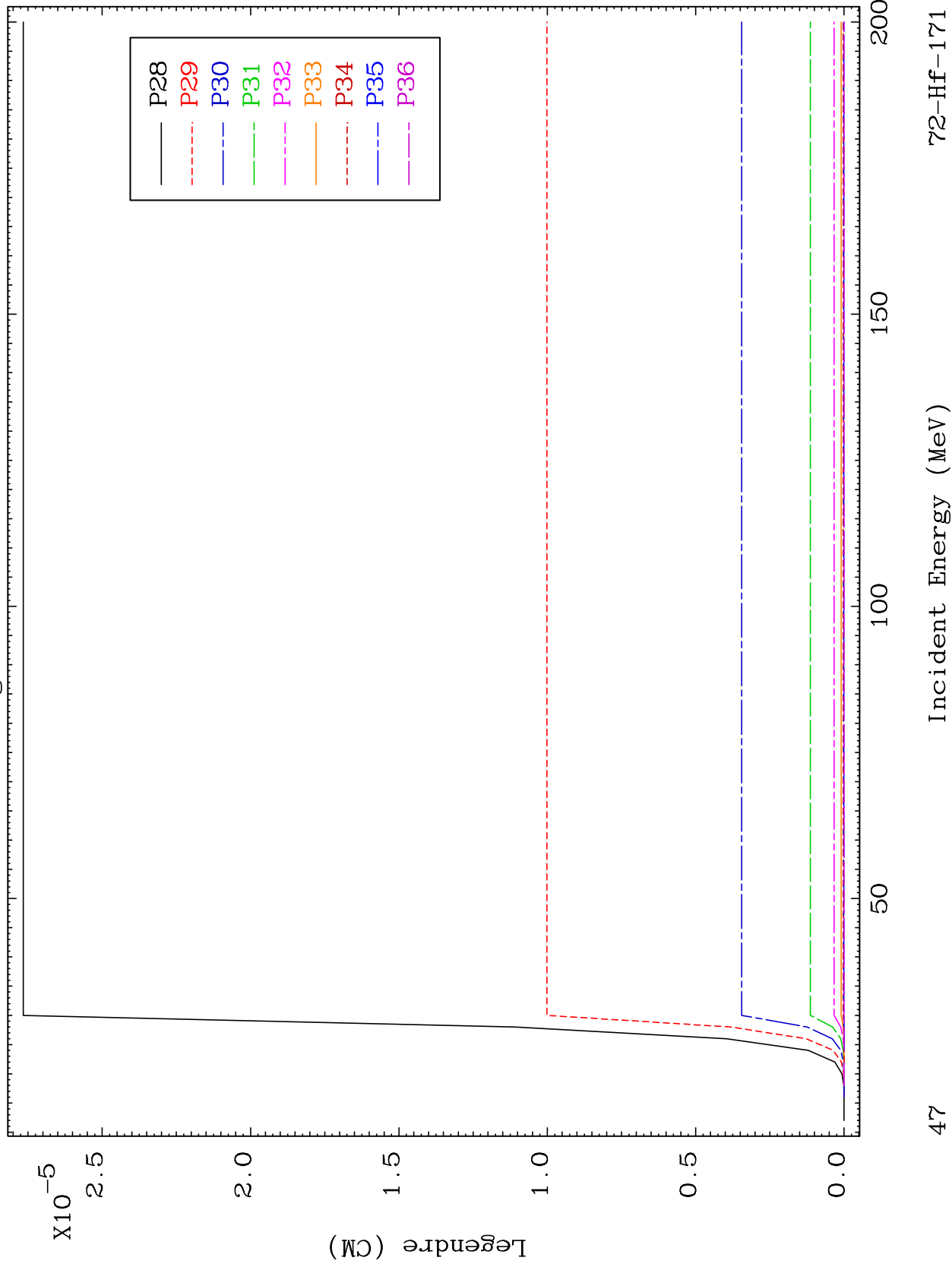




MAT 7216

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

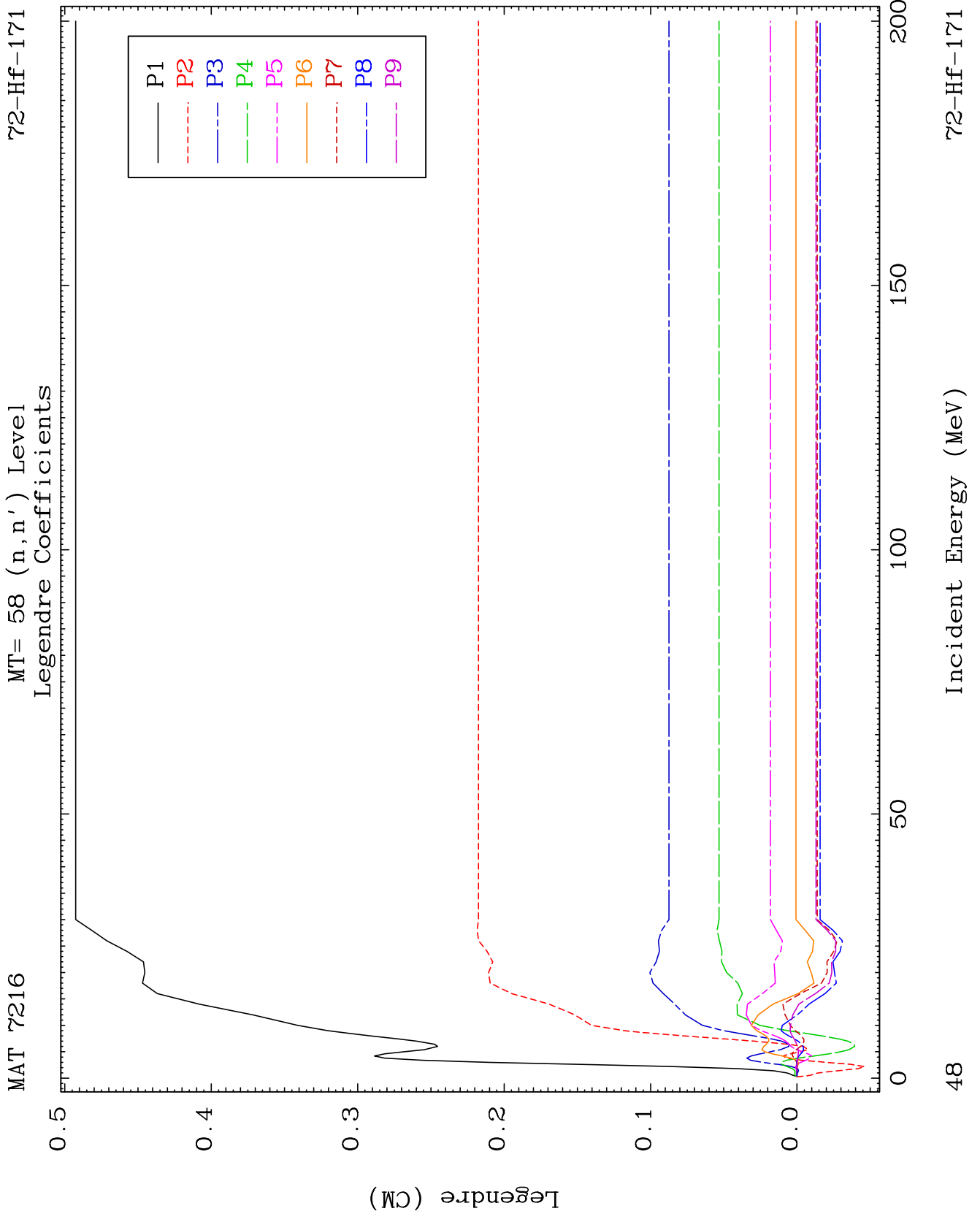
72-Hf-171



47

Incident Energy (MeV)

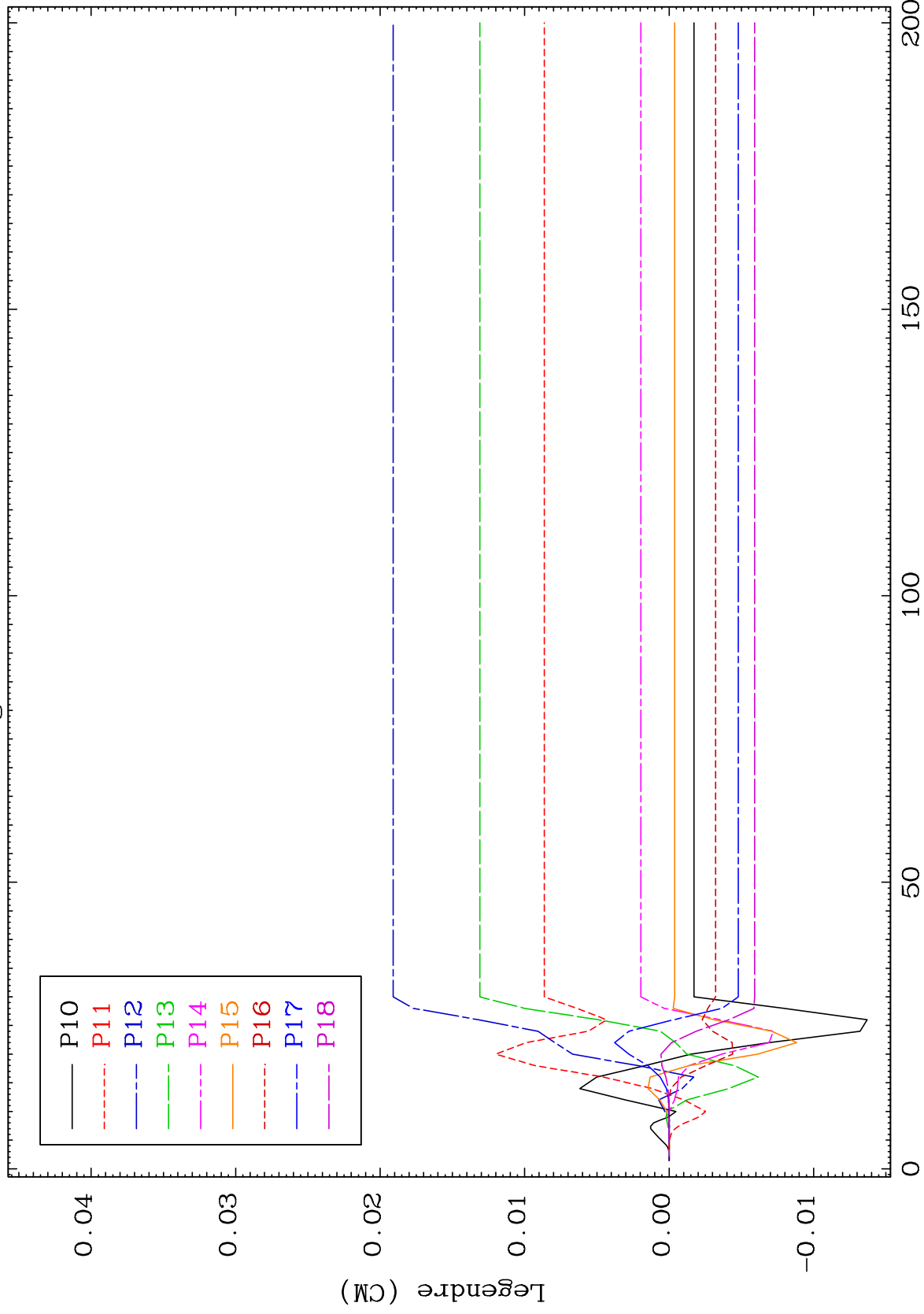
72-Hf-171



MAT 7216

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

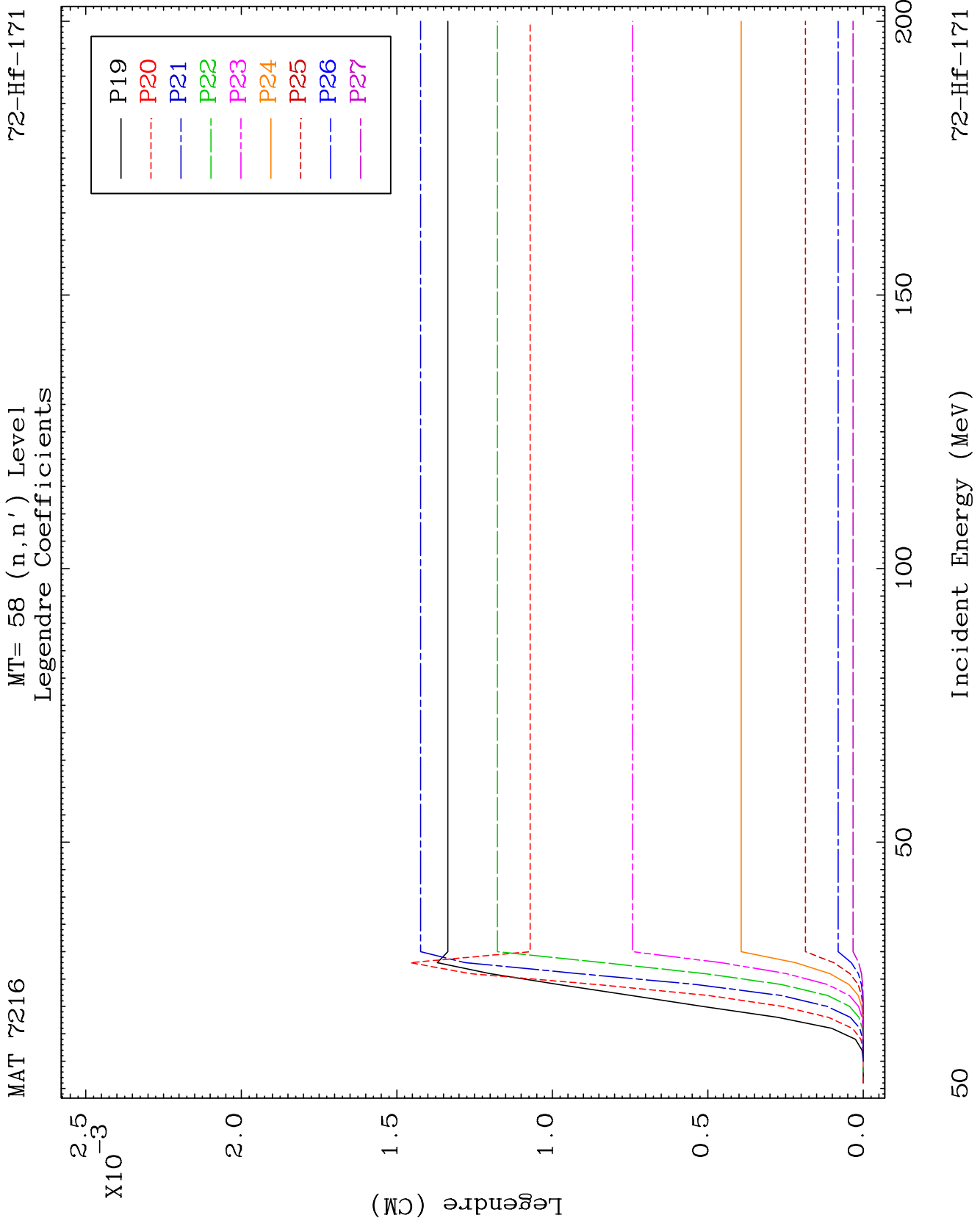
72-Hf-171



49

Incident Energy (MeV)

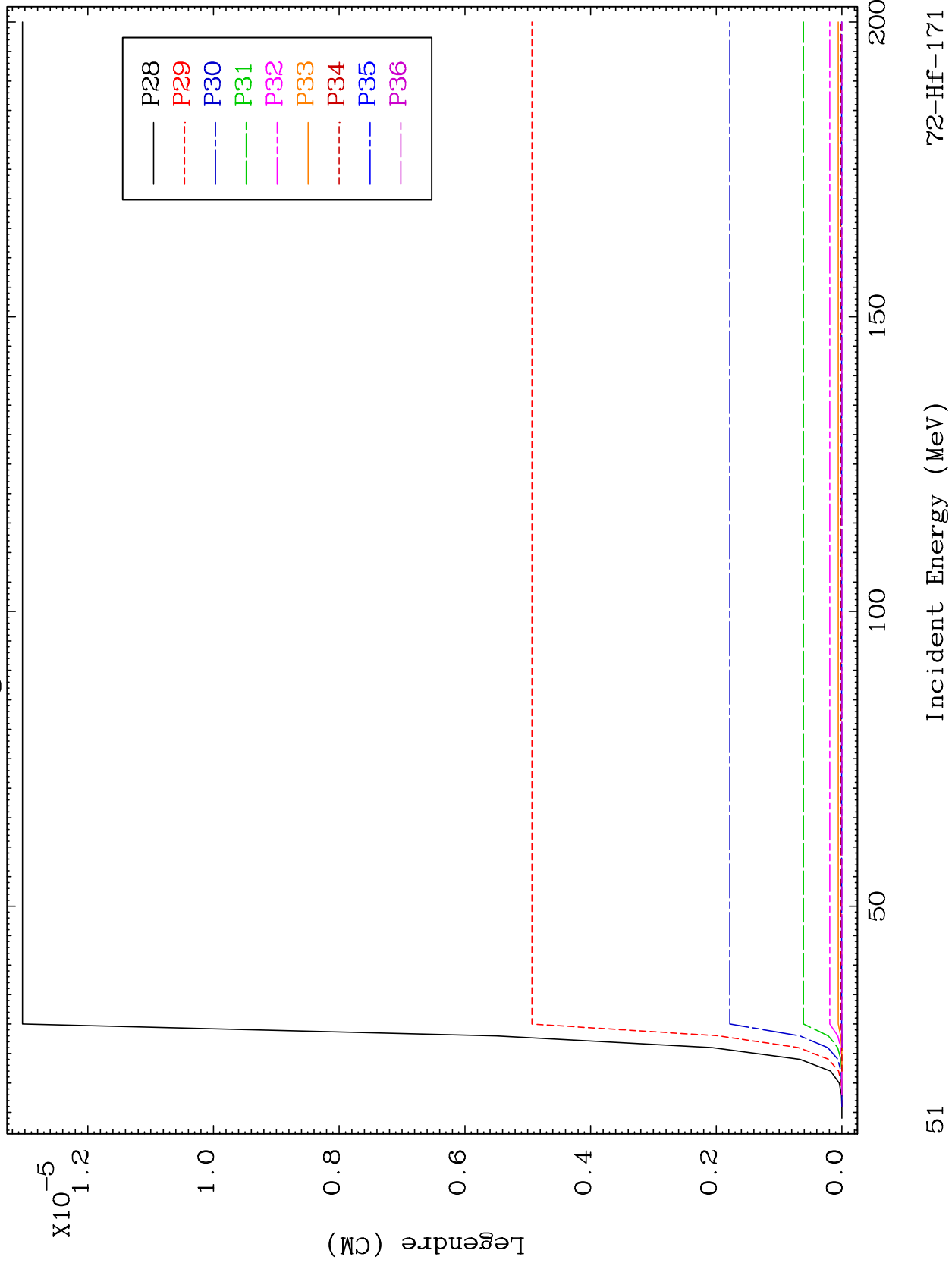
72-Hf-171

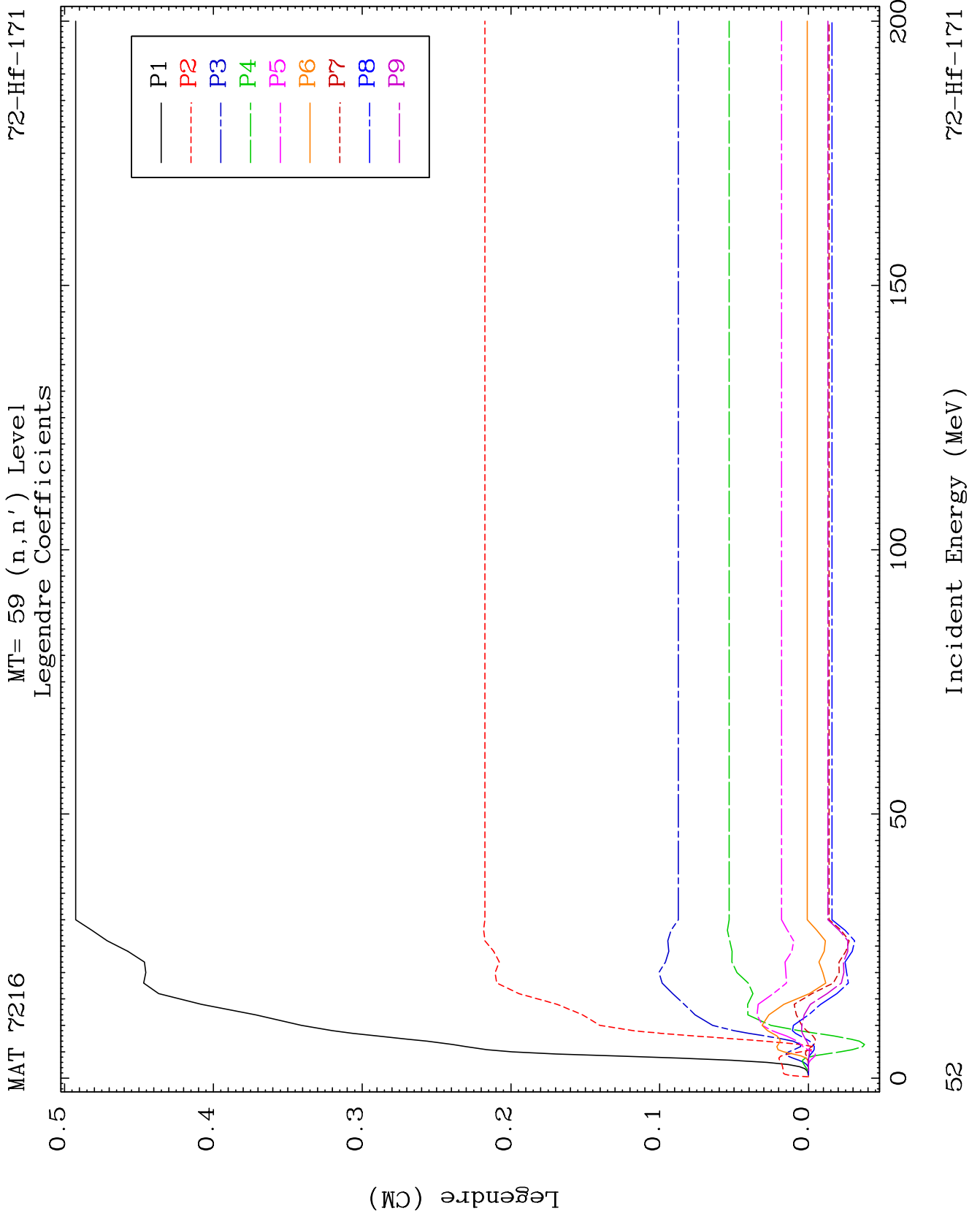


MAT 7216

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

72-Hf-171

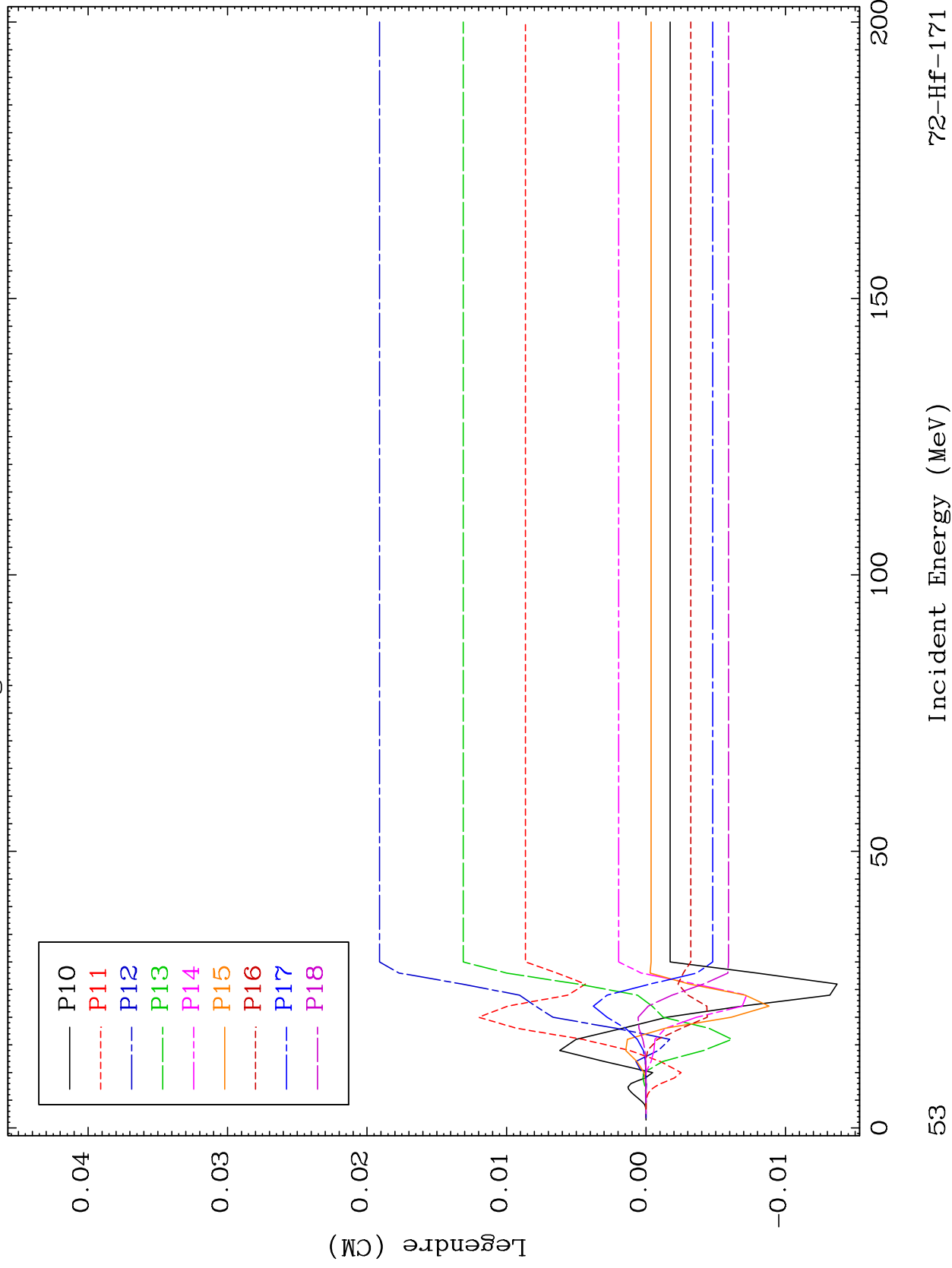




MAT 7216

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

72-Hf-171



72-Hf-171

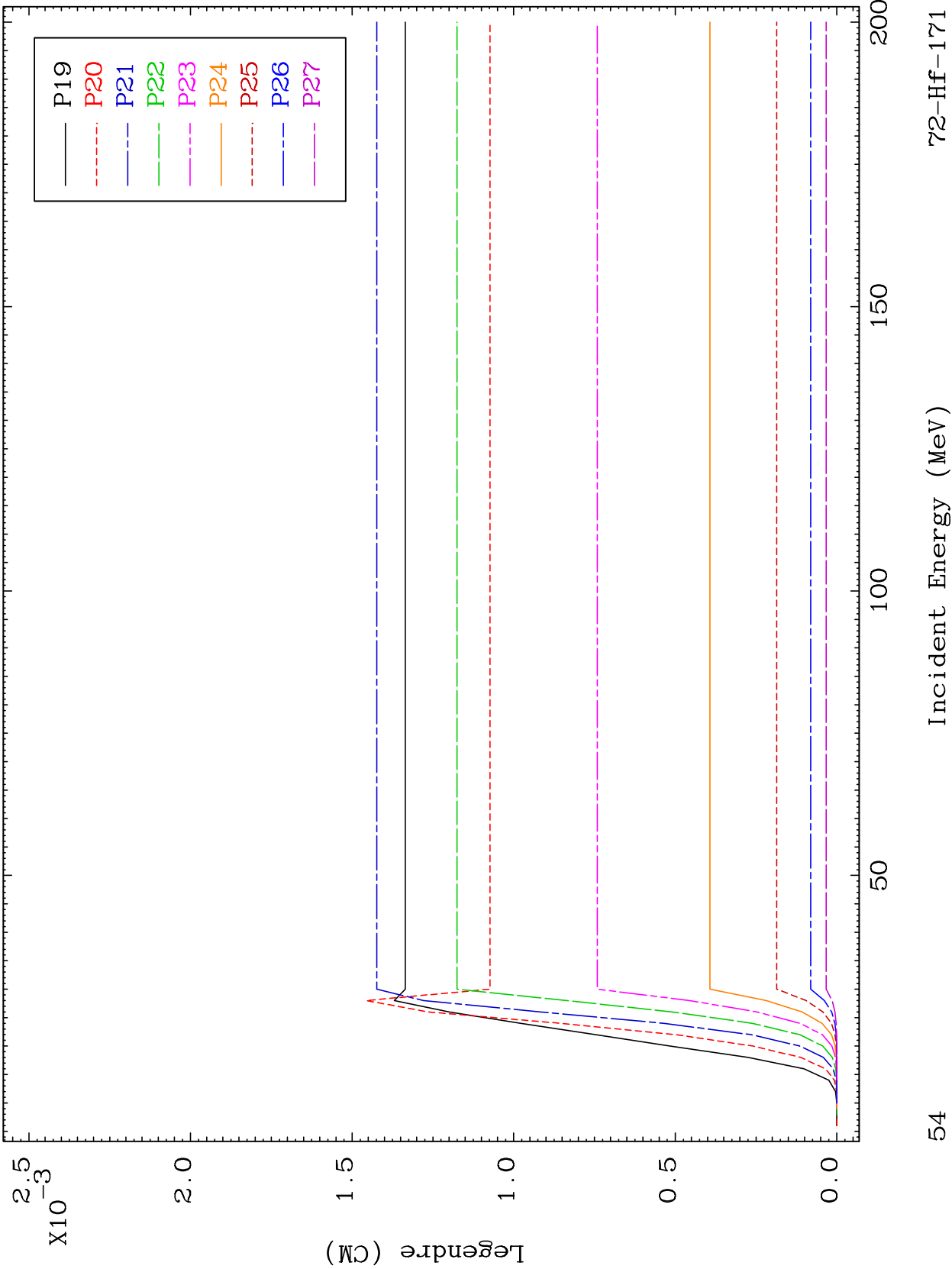
Incident Energy (MeV)

53

MAT 7216

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

72-Hf-171



54

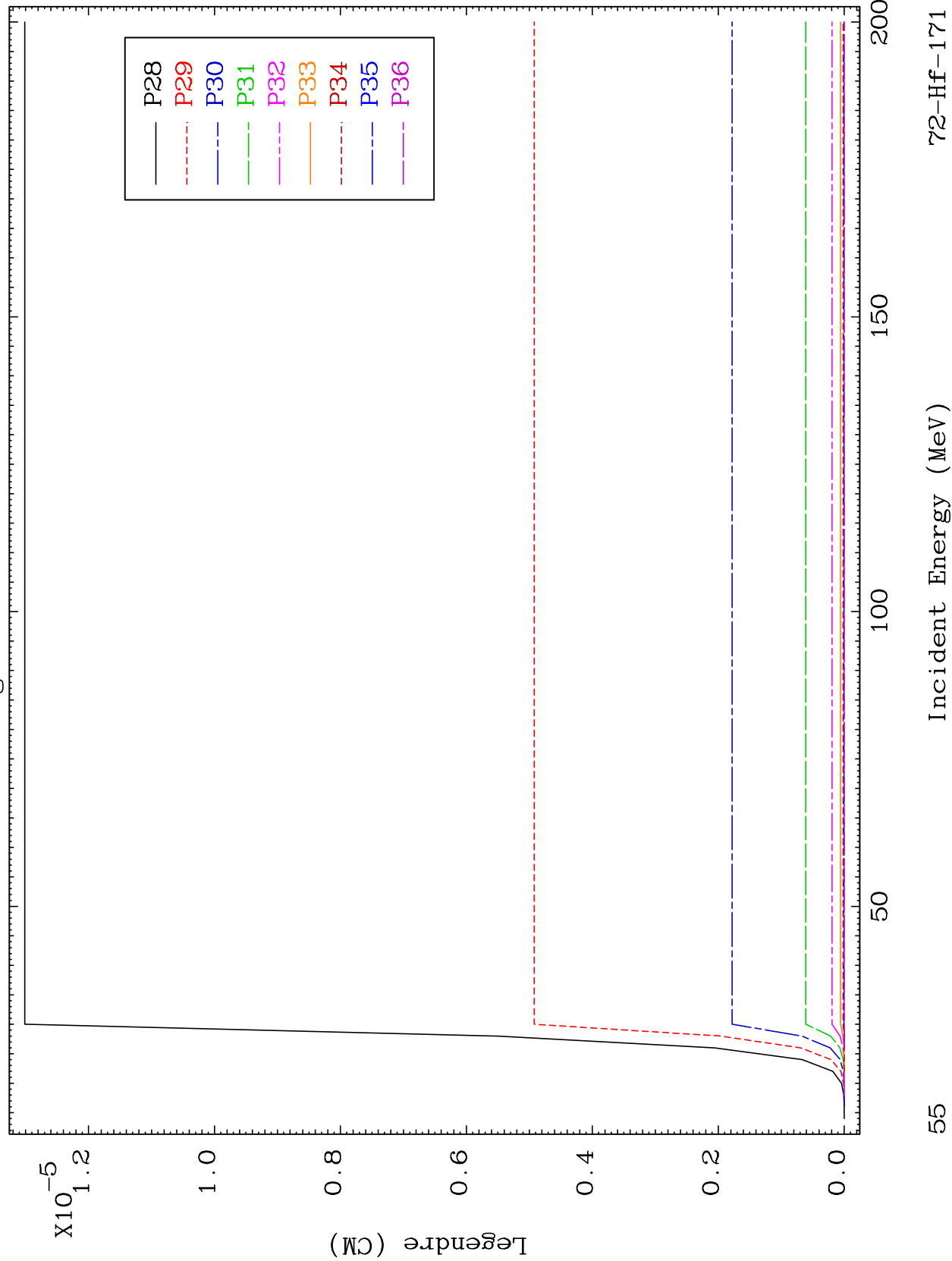
Incident Energy (MeV)

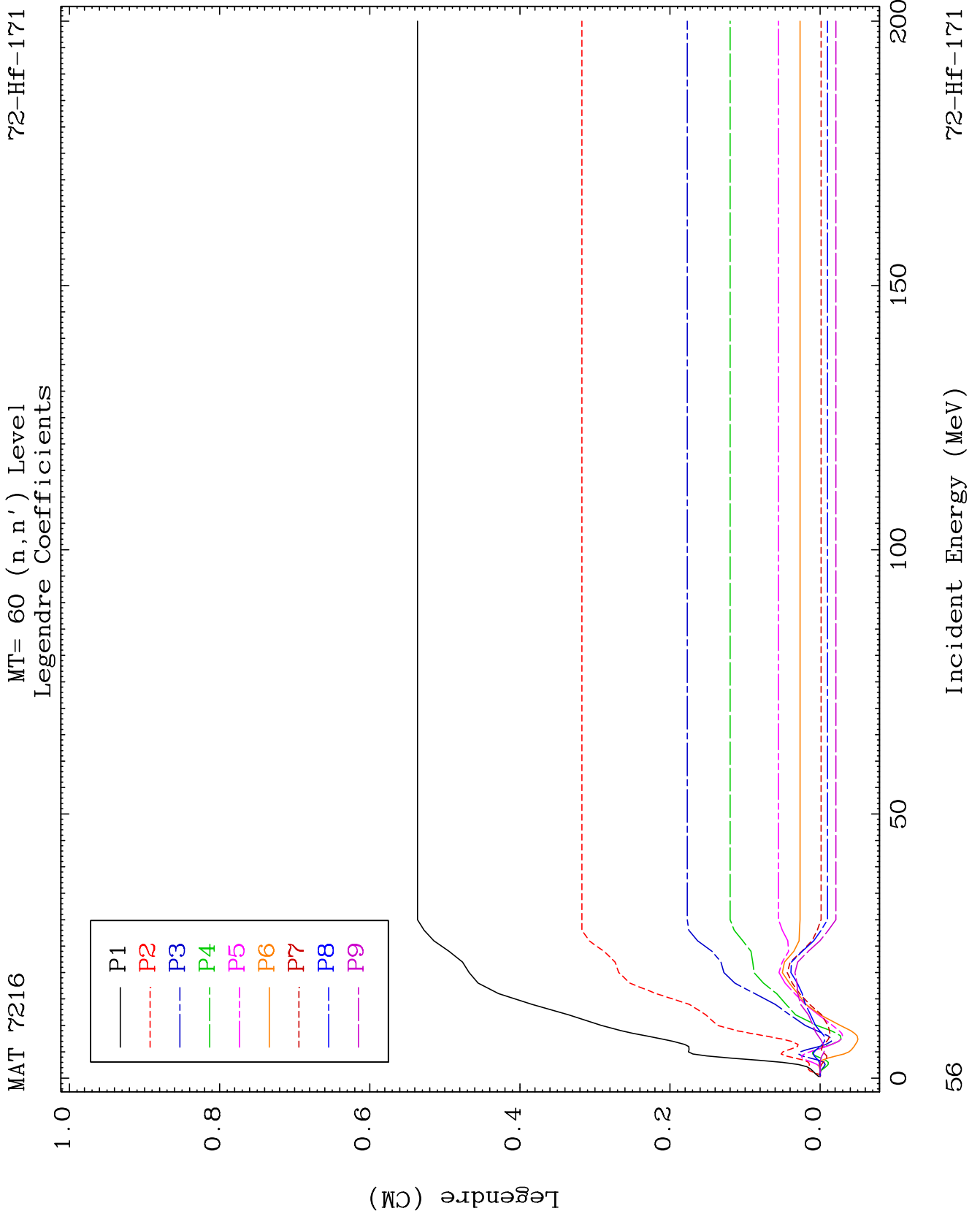
72-Hf-171

MAT 7216

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

72-Hf-171

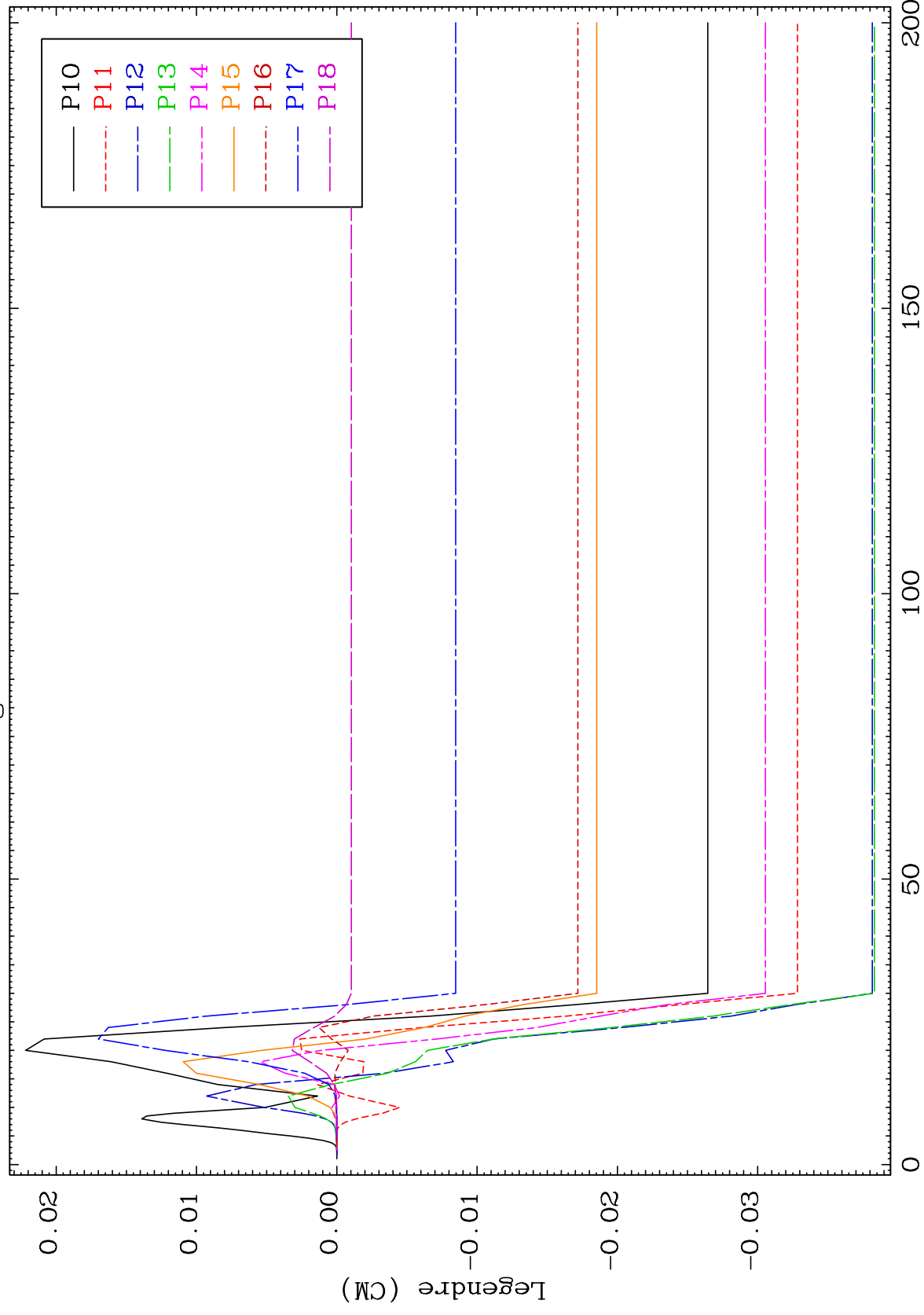




MAT 7216

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

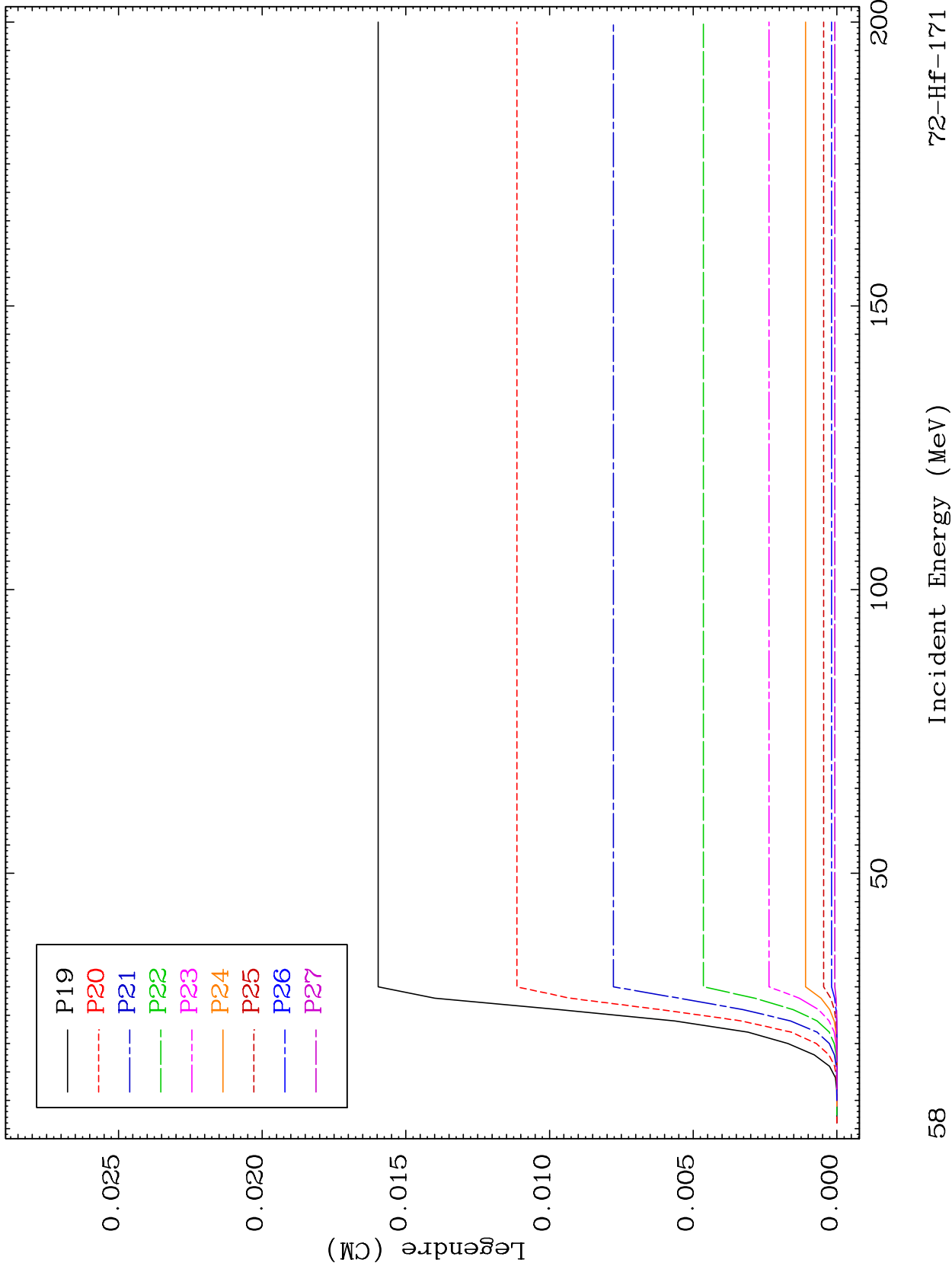
72-Hf-171



57

Incident Energy (MeV)

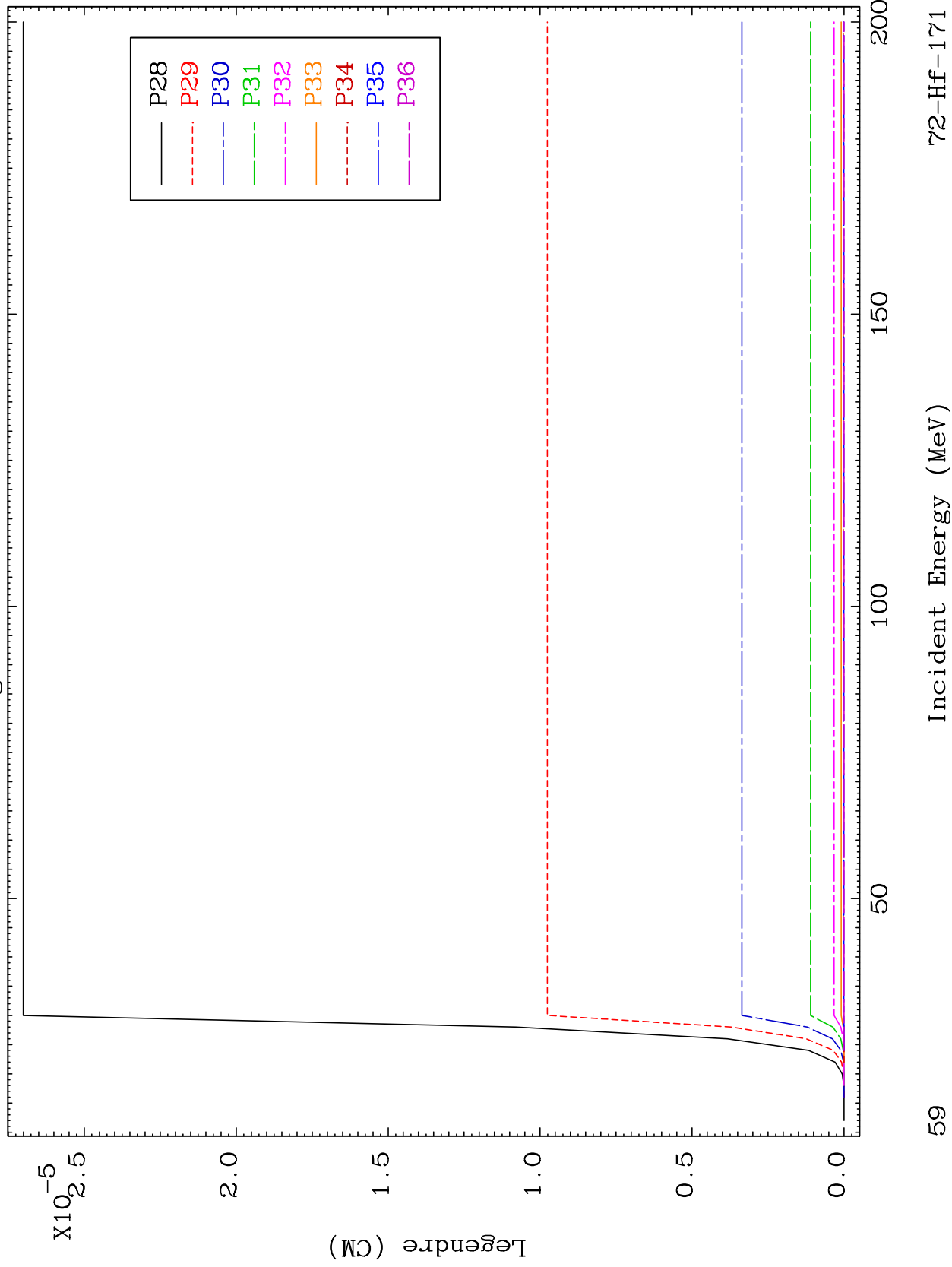
72-Hf-171



MAT 7216

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

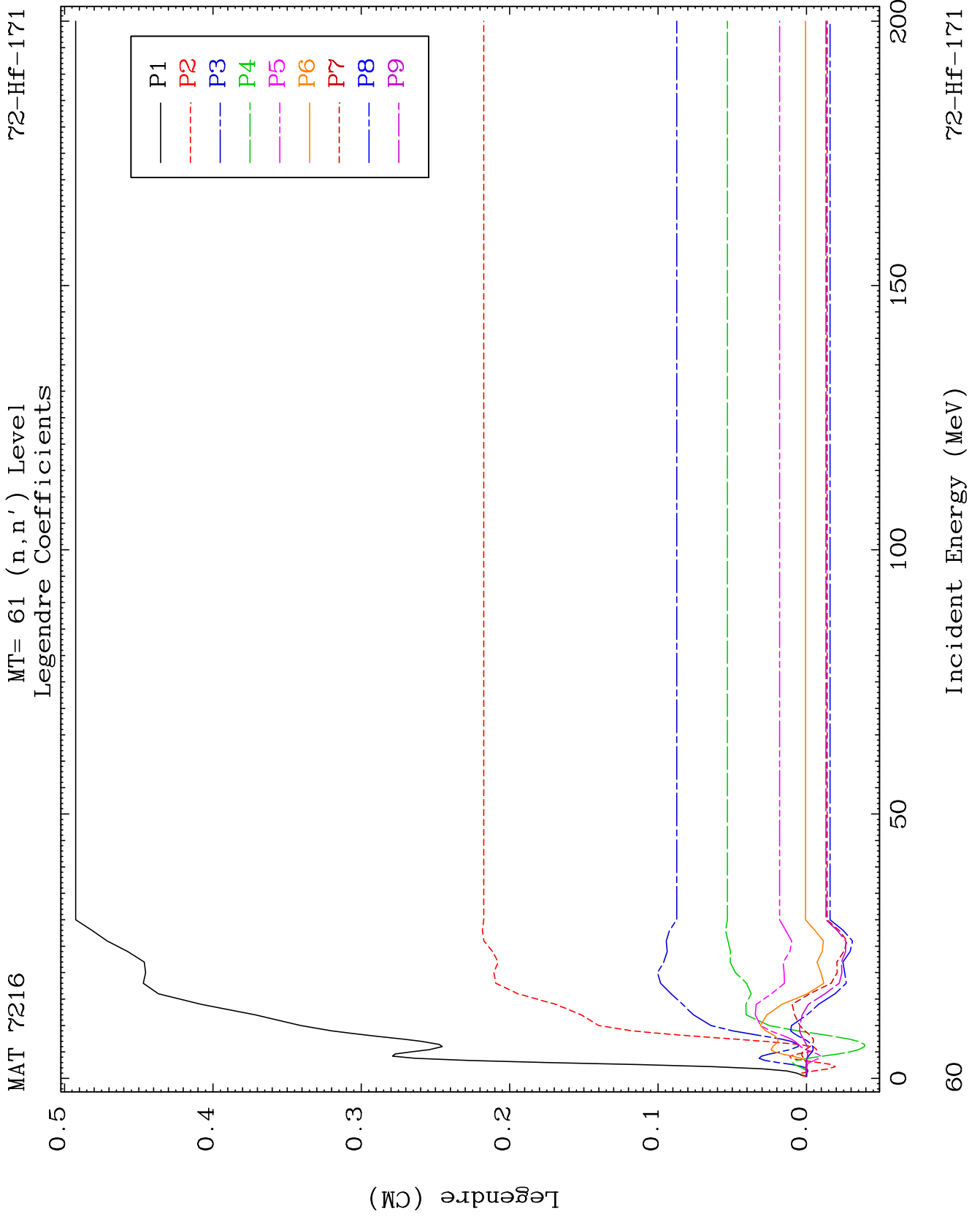
72-Hf-171



59

Incident Energy (MeV)

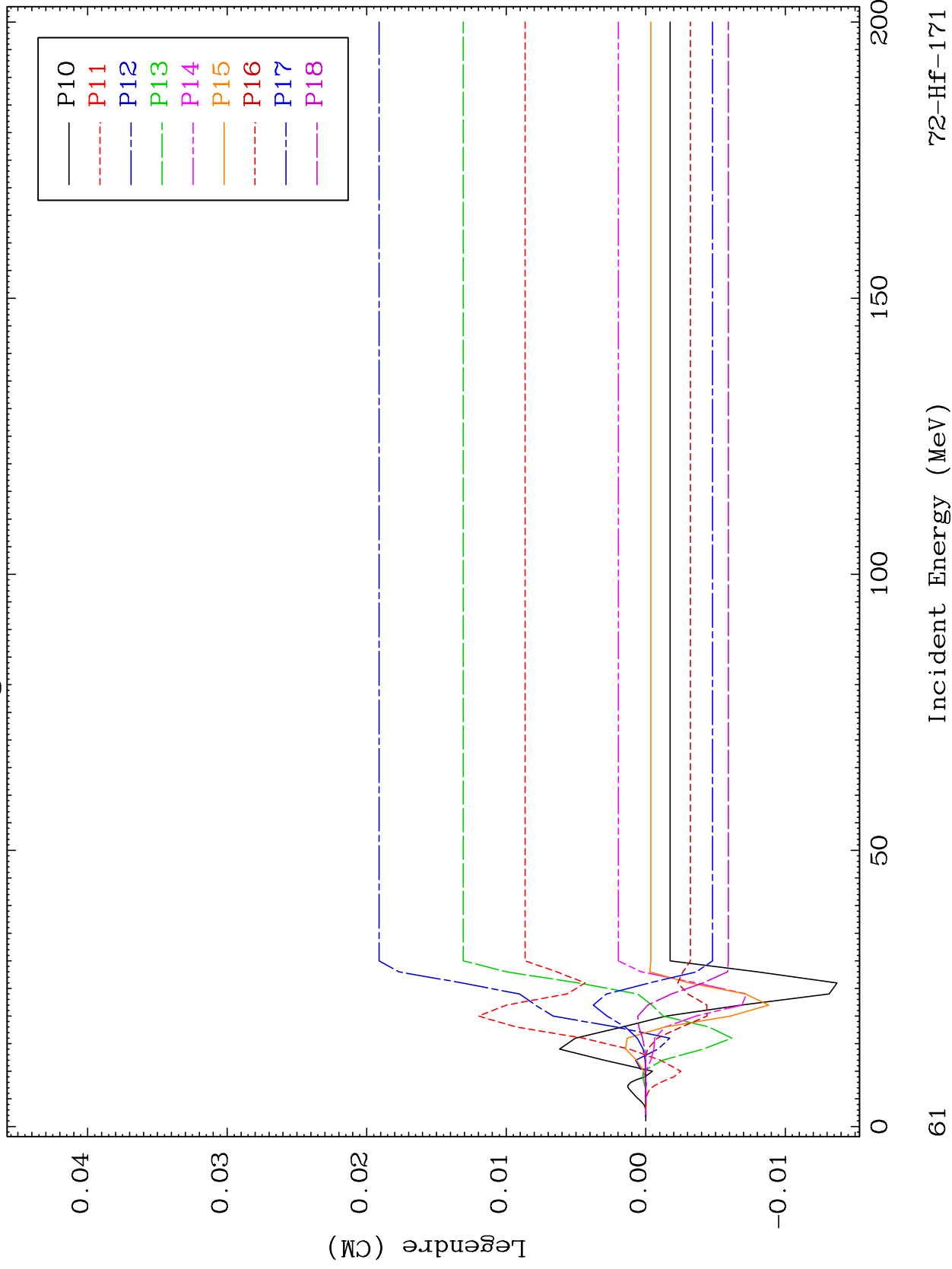
72-Hf-171



MAT 7216

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

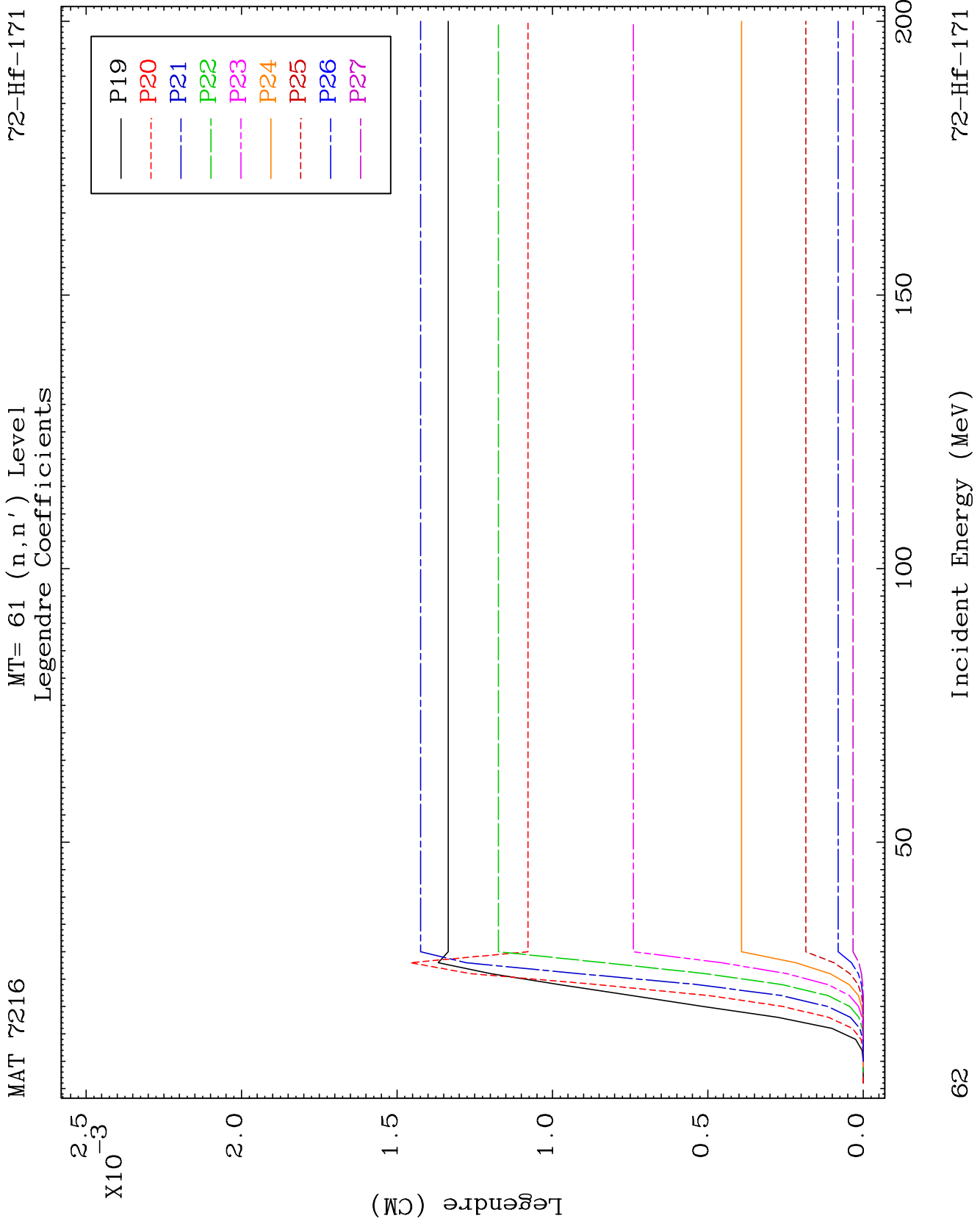
72-Hf-171



61

Incident Energy (MeV)

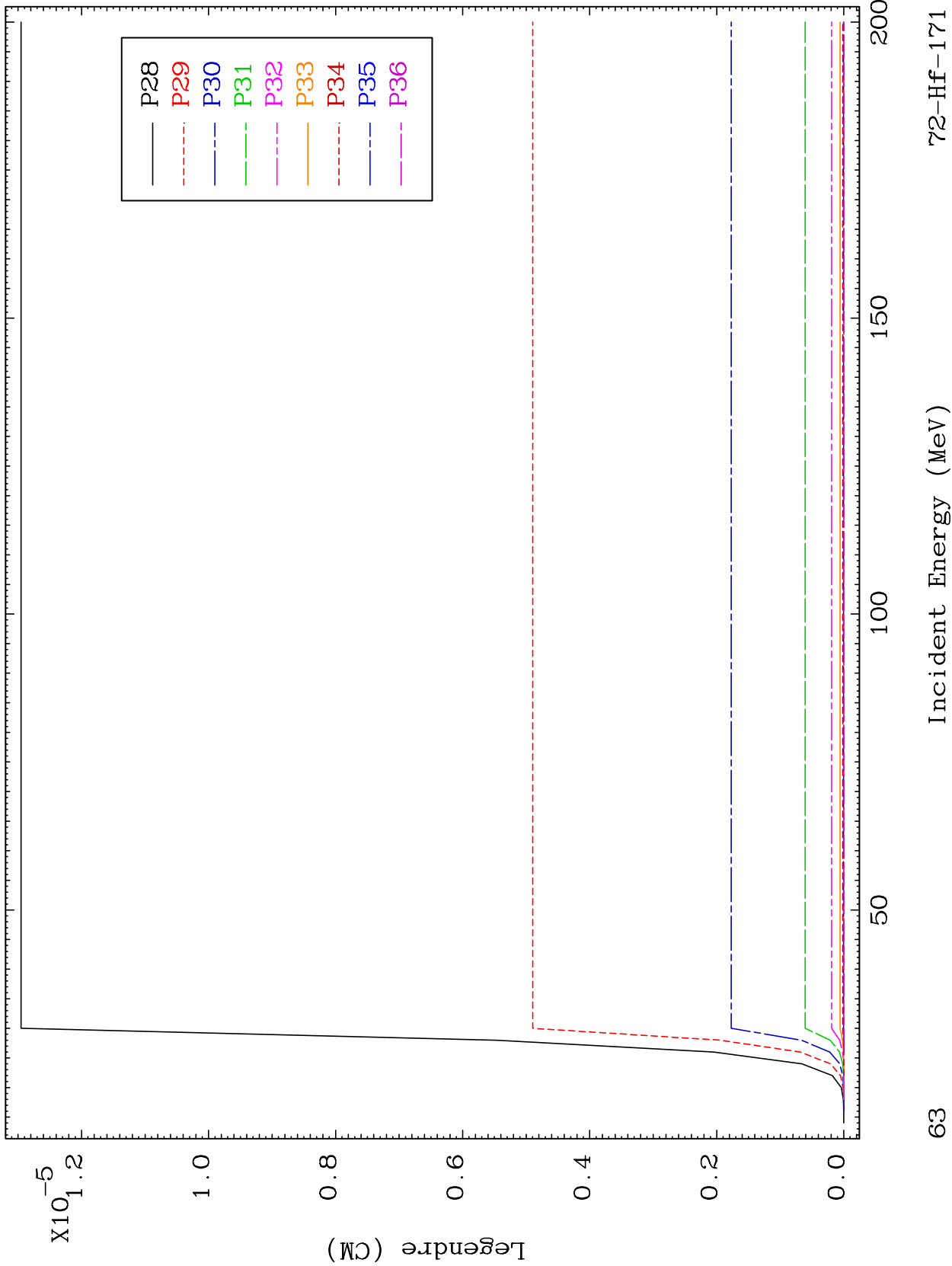
72-Hf-171

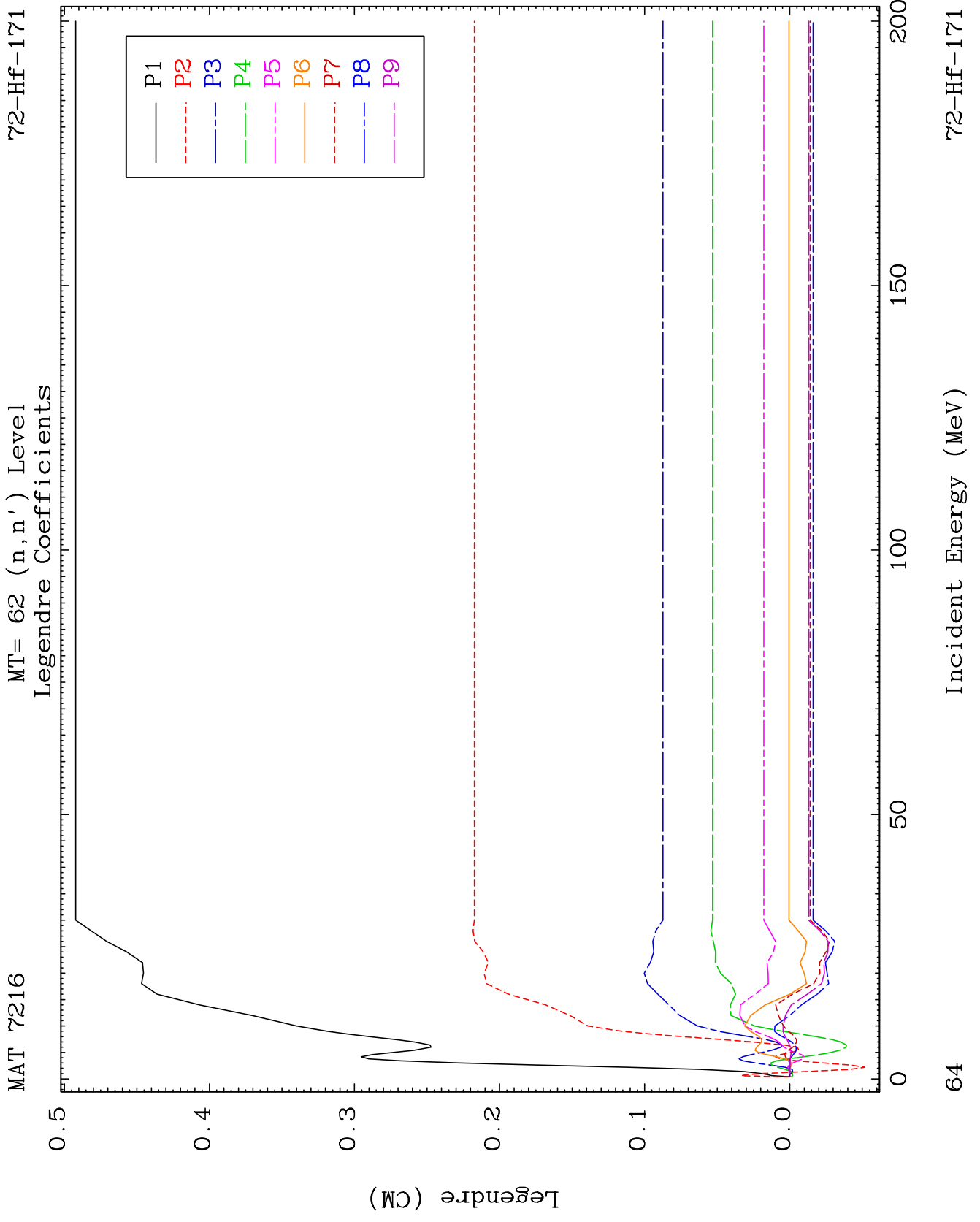


MAT 7216

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

72-Hf-171

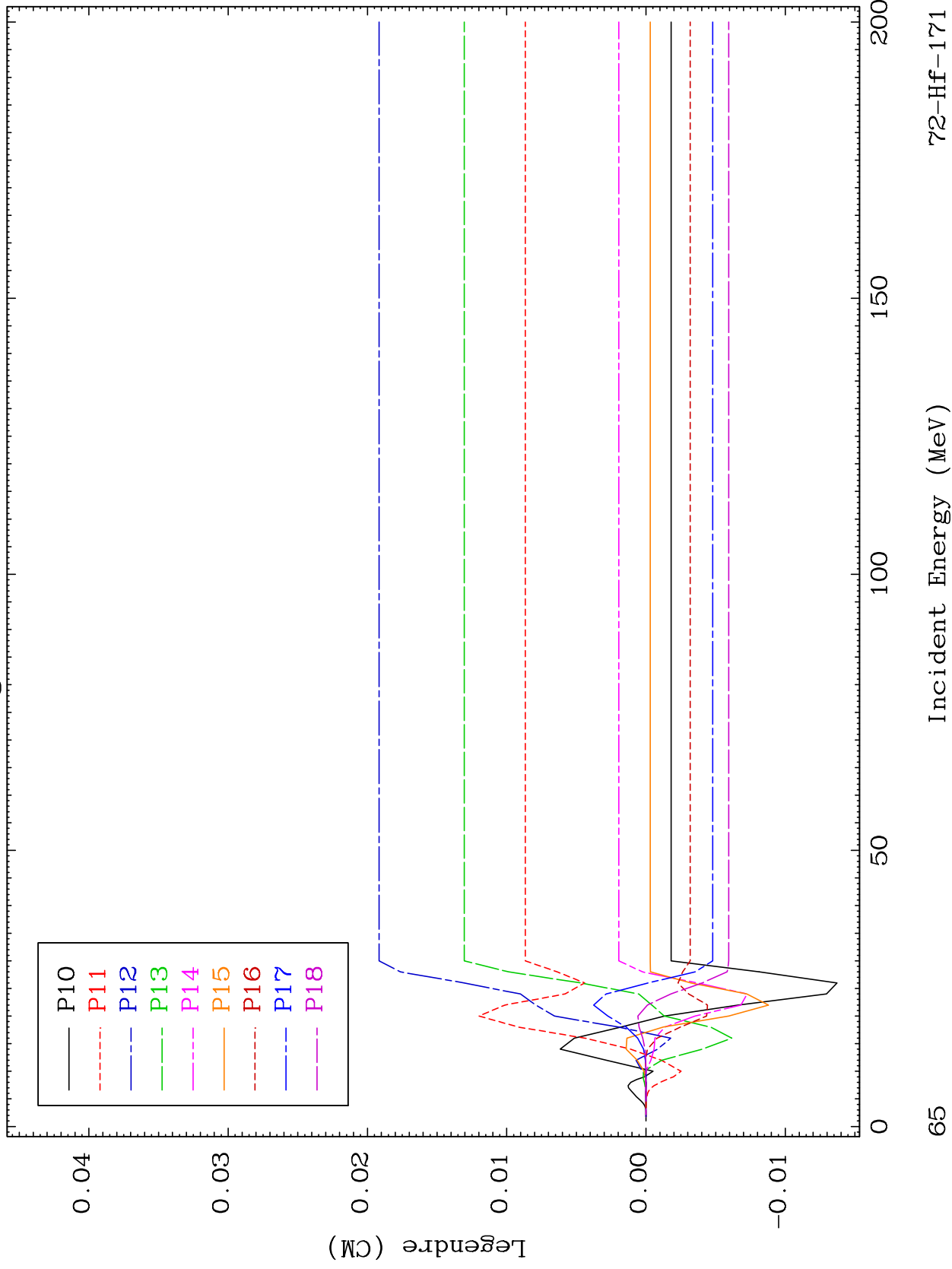




MAT 7216

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

72-Hf-171



72-Hf-171

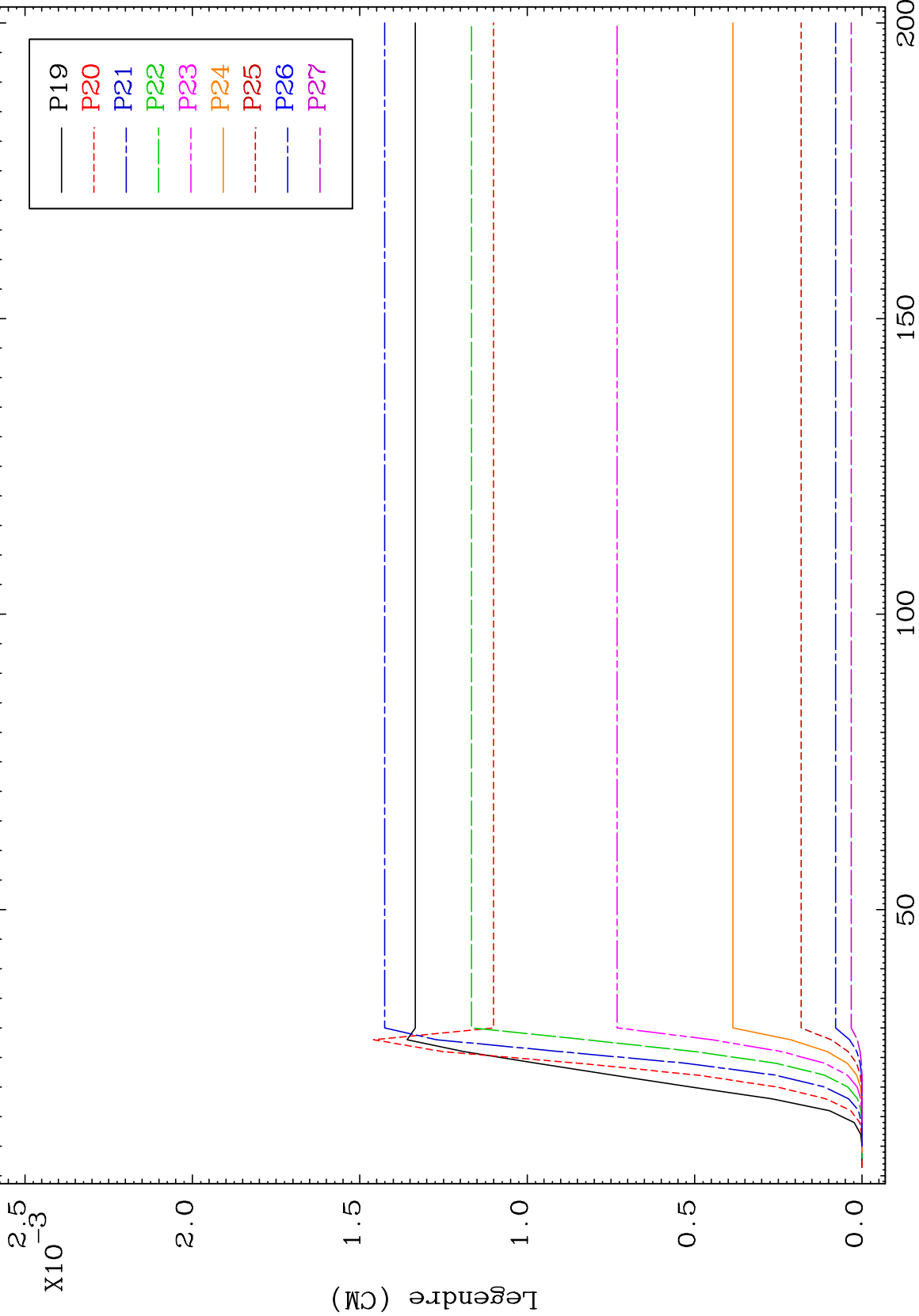
Incident Energy (MeV)

65

MAT 7216

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

72-Hf-171



66

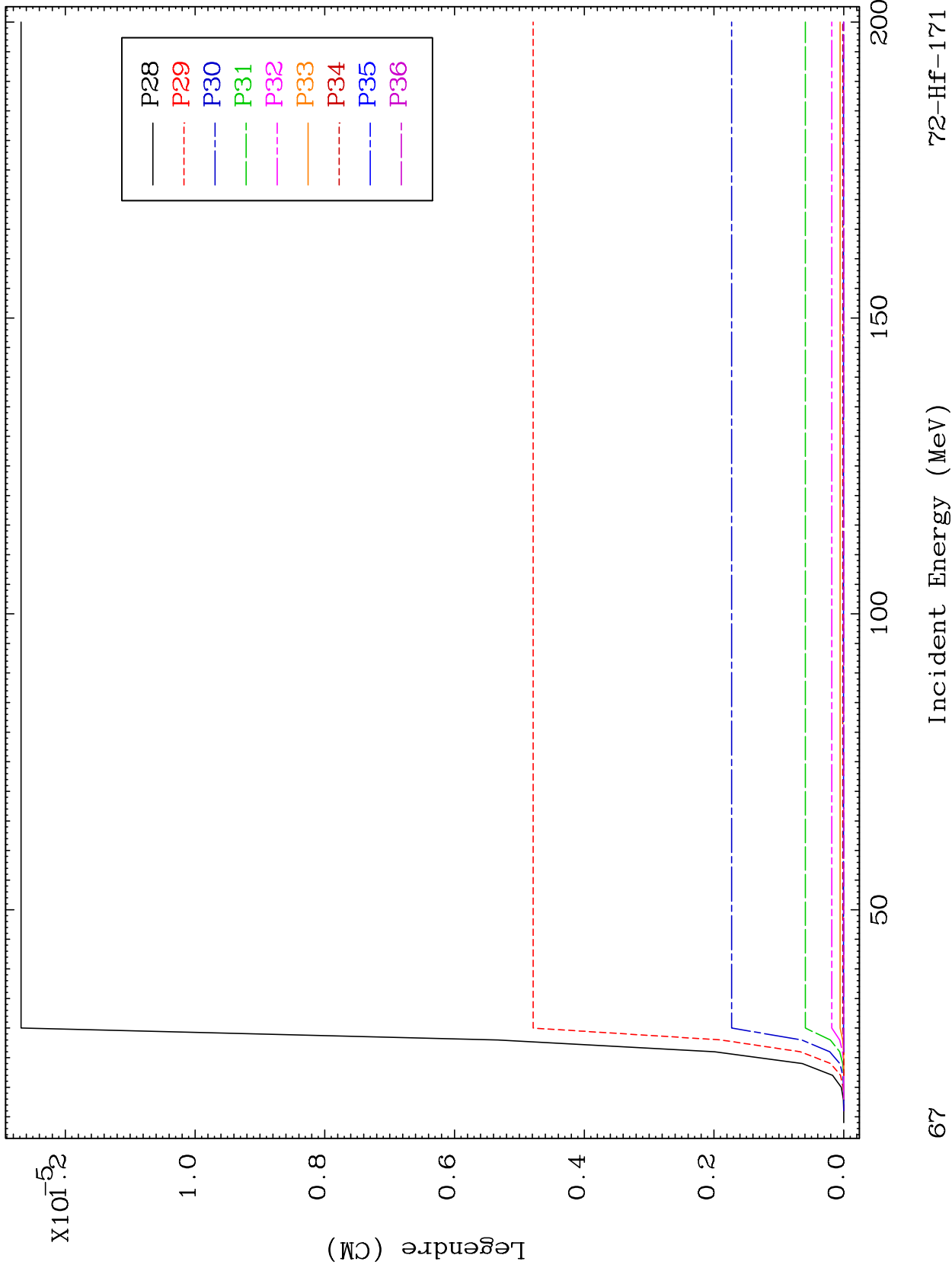
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

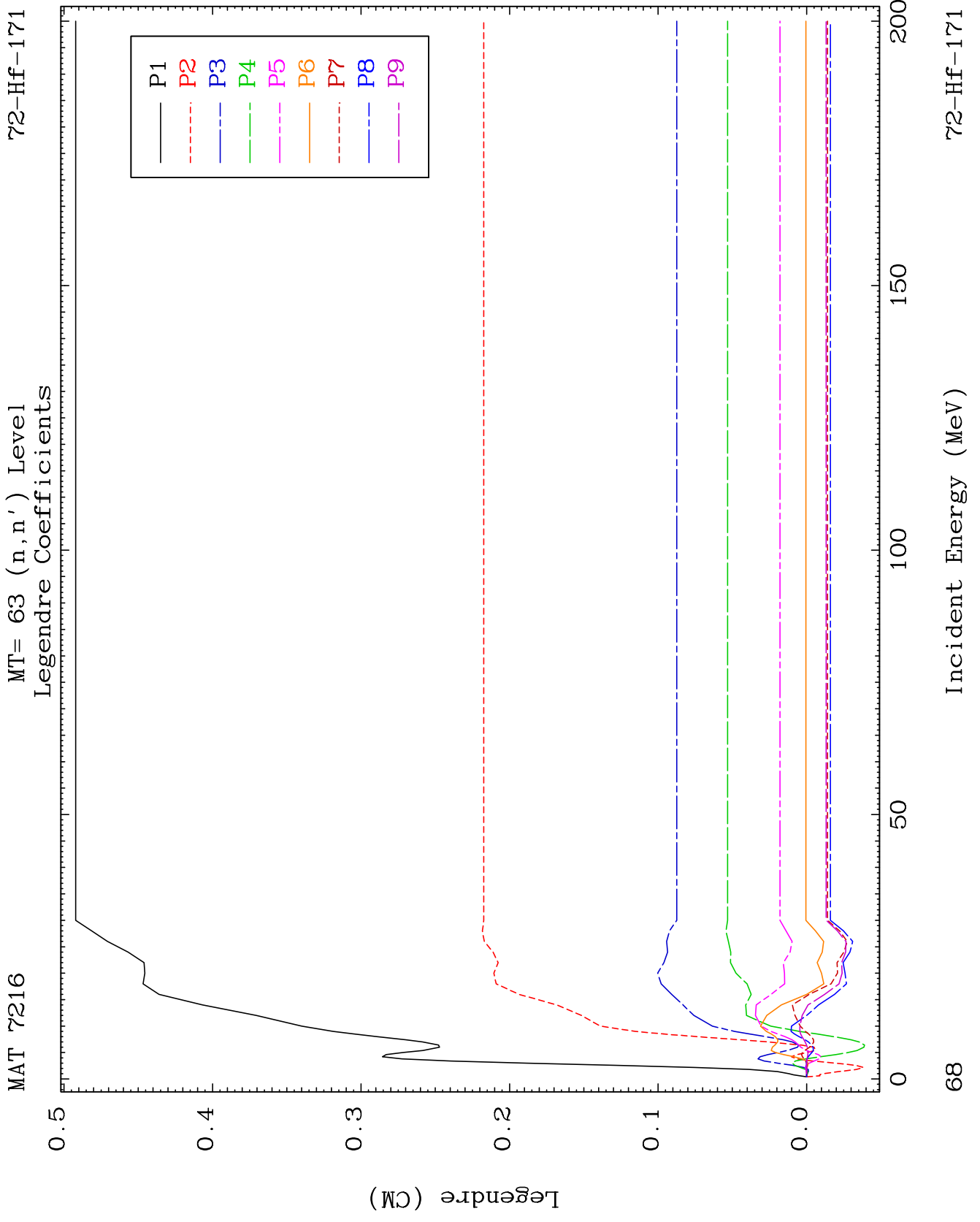
72-Hf-171



67

Incident Energy (MeV)

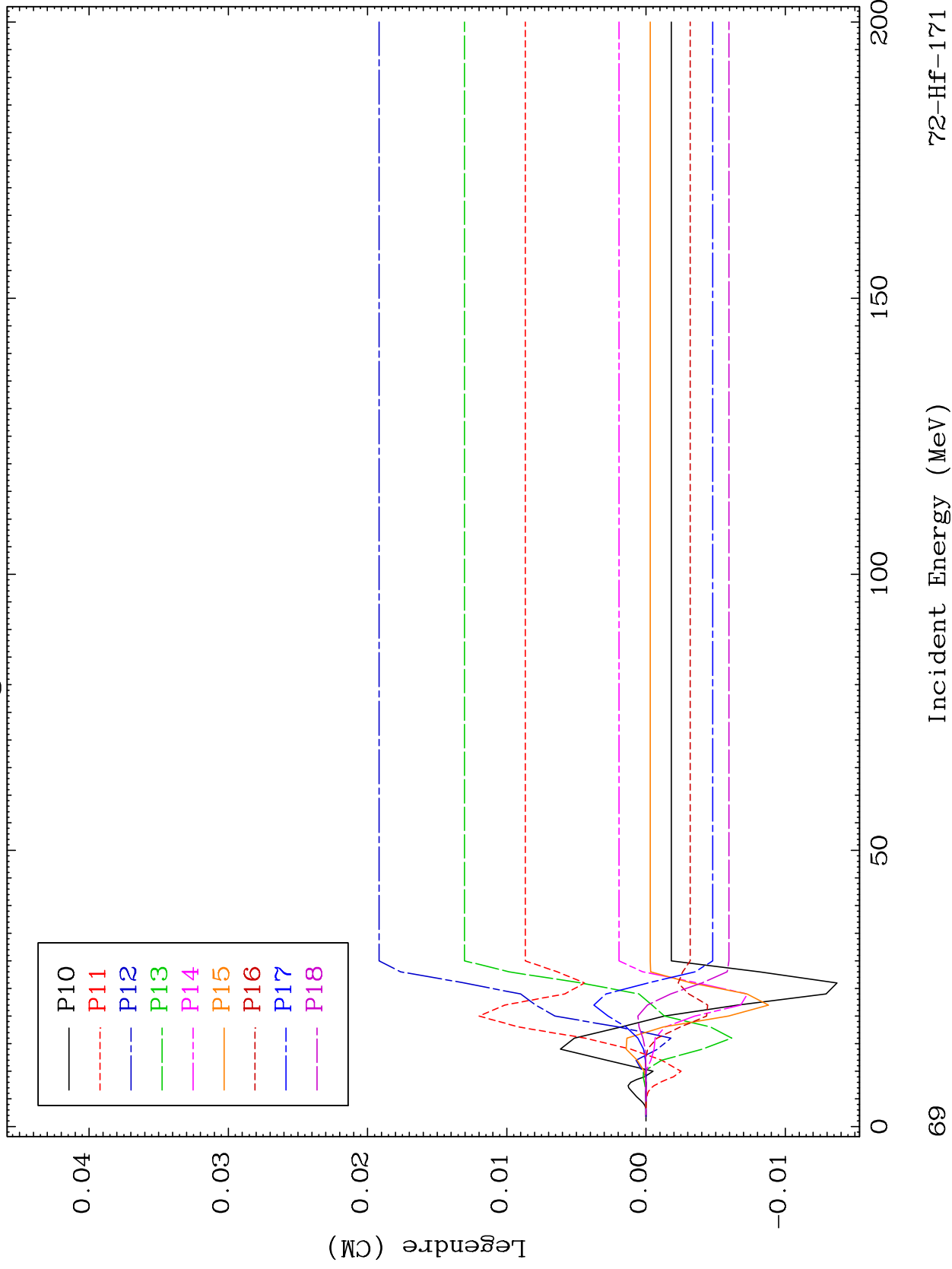
72-Hf-171



MAT 7216

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

72-Hf-171



69

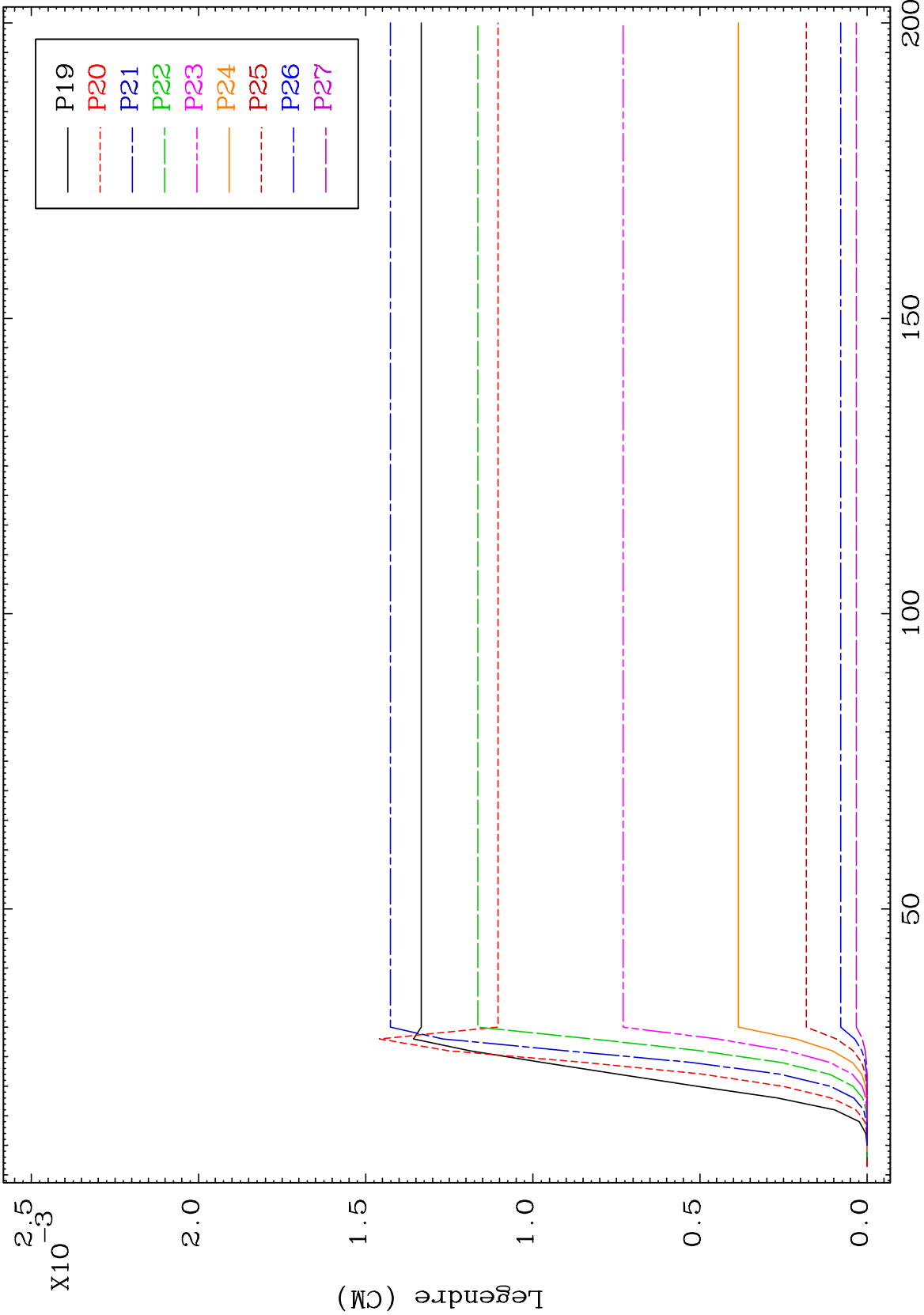
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



70

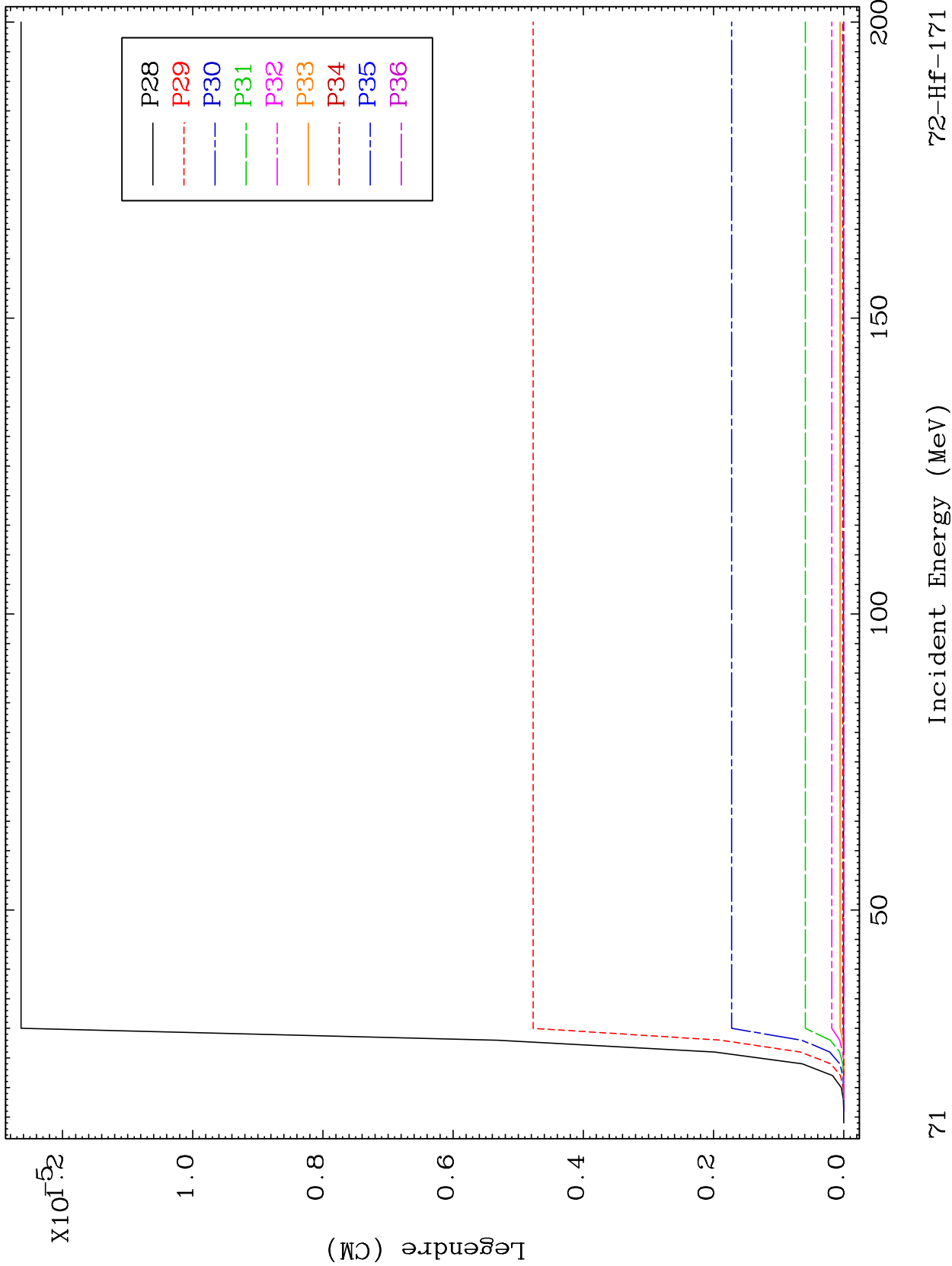
Incident Energy (MeV)

72-Hf-171

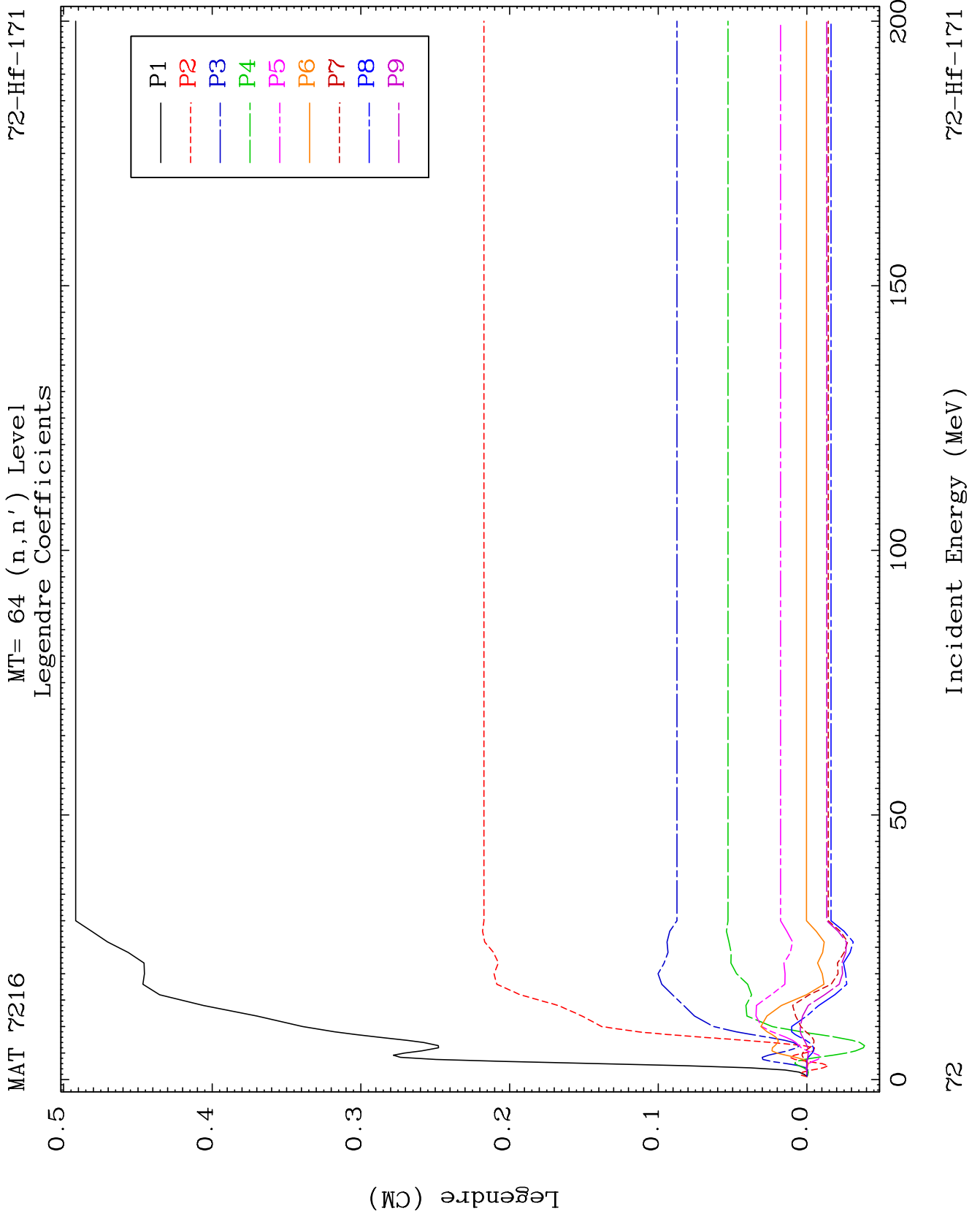
MAT 7216

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

72-Hf-171



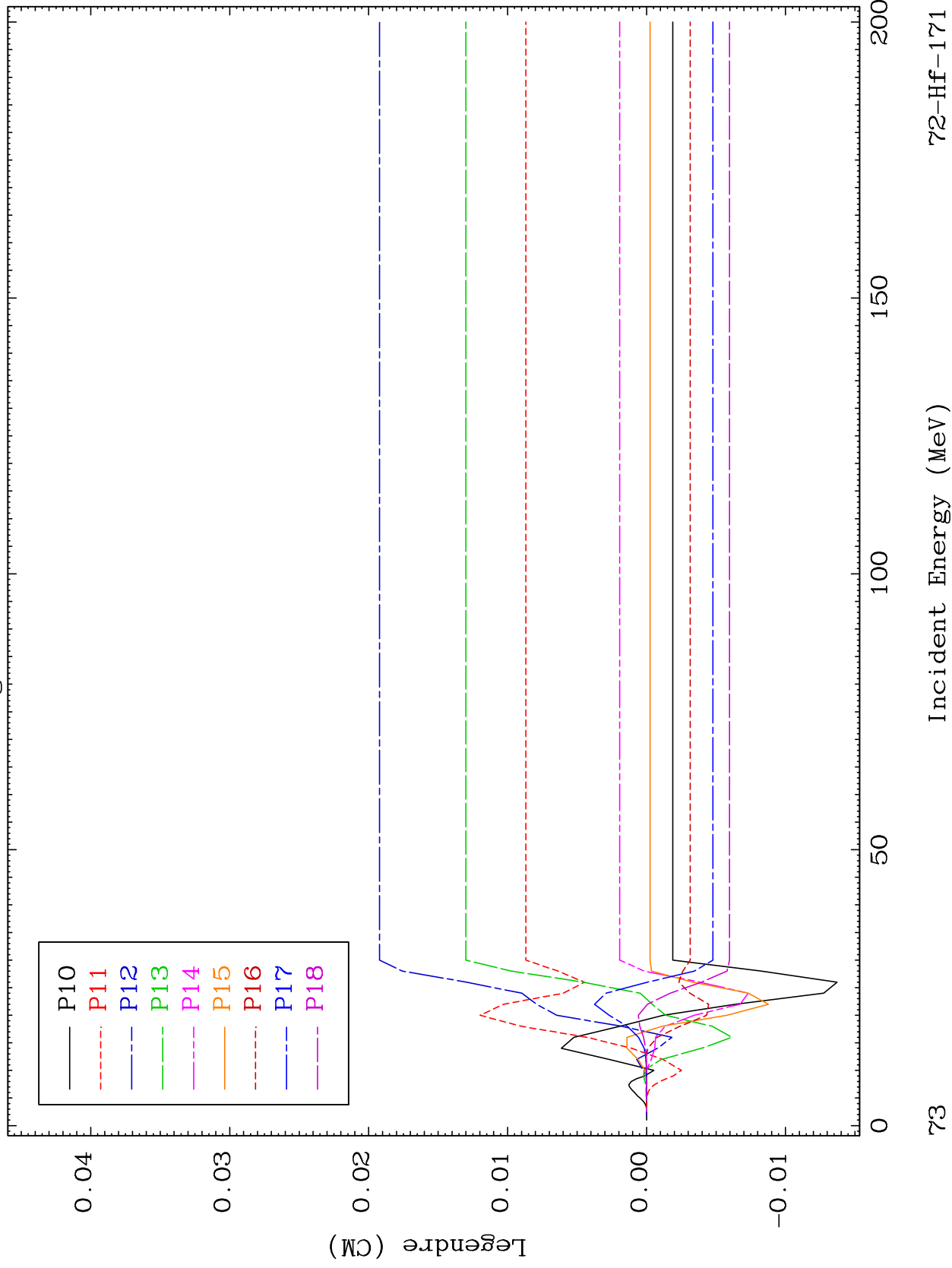
71



MAT 7216

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

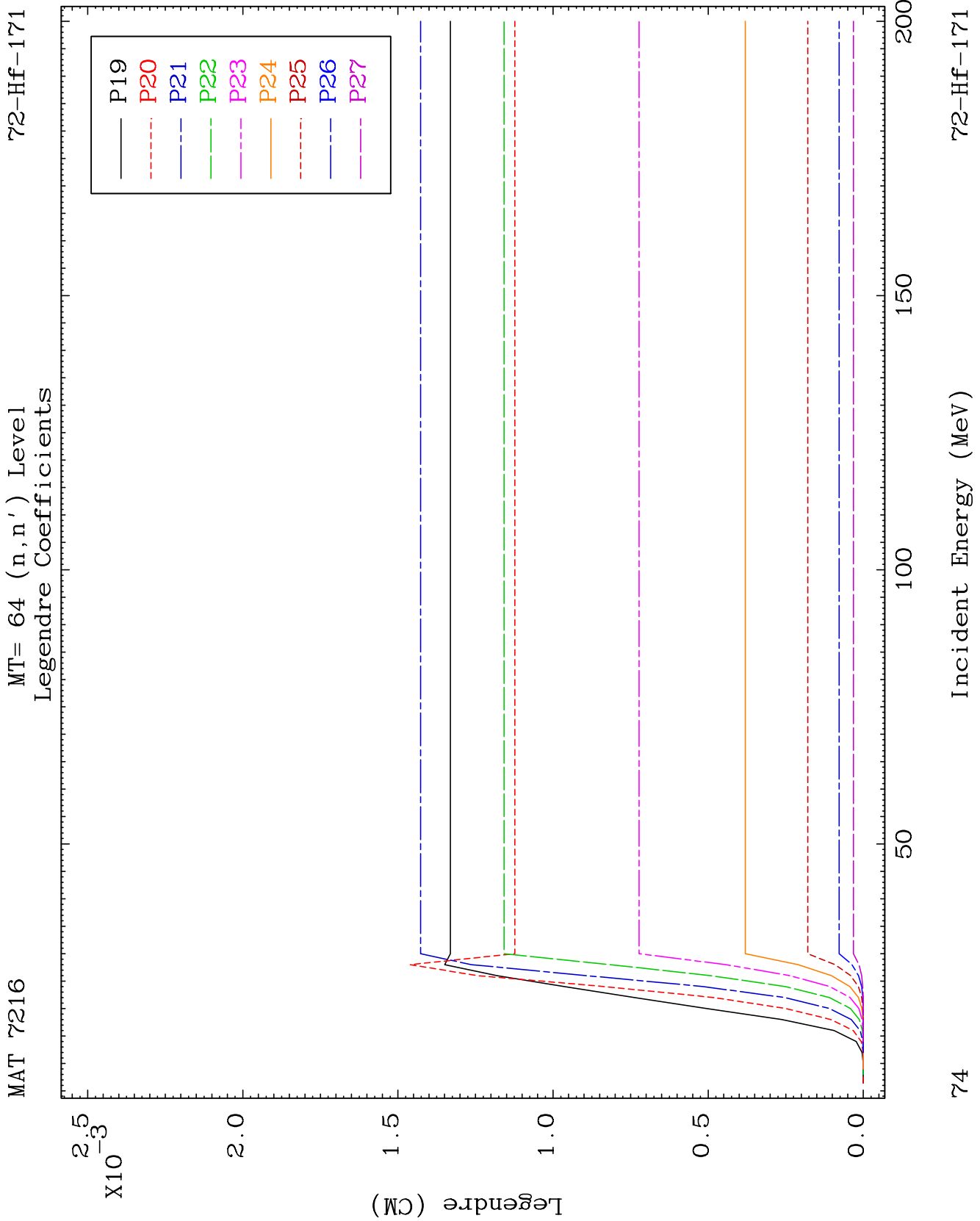
72-Hf-171



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Incident Energy (MeV)

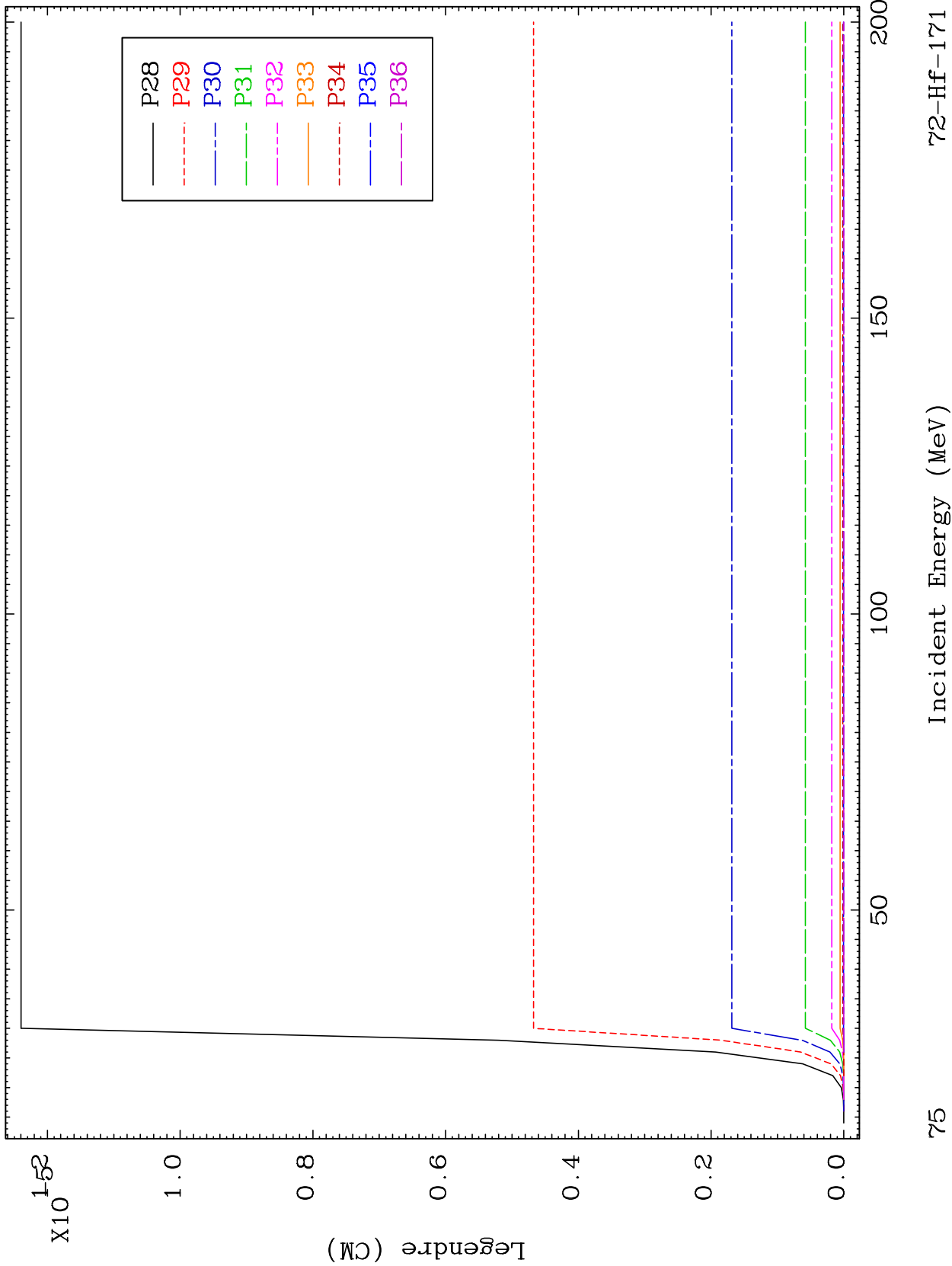
72-Hf-171



MAT 7216

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

72-Hf-171



75

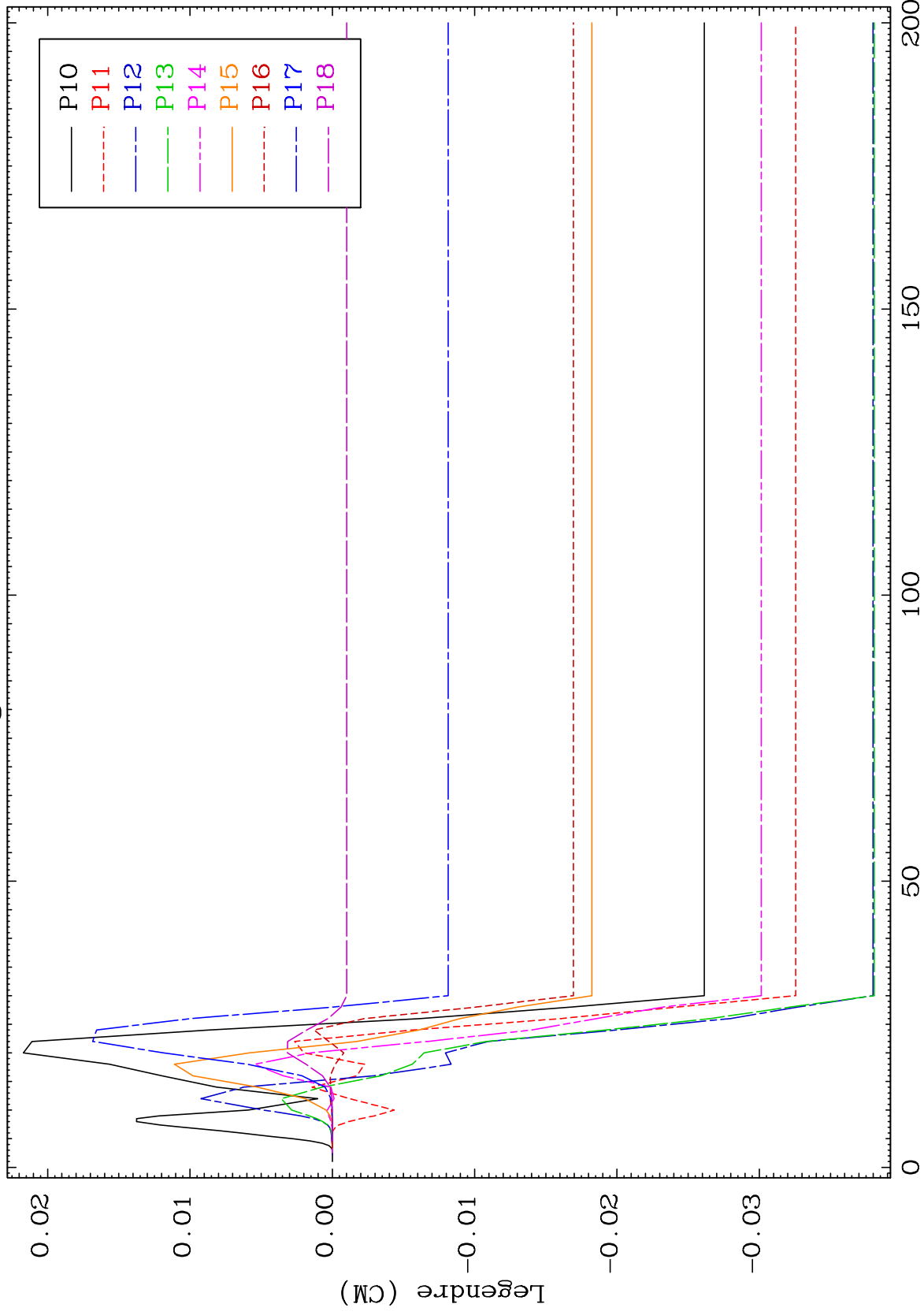
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



77

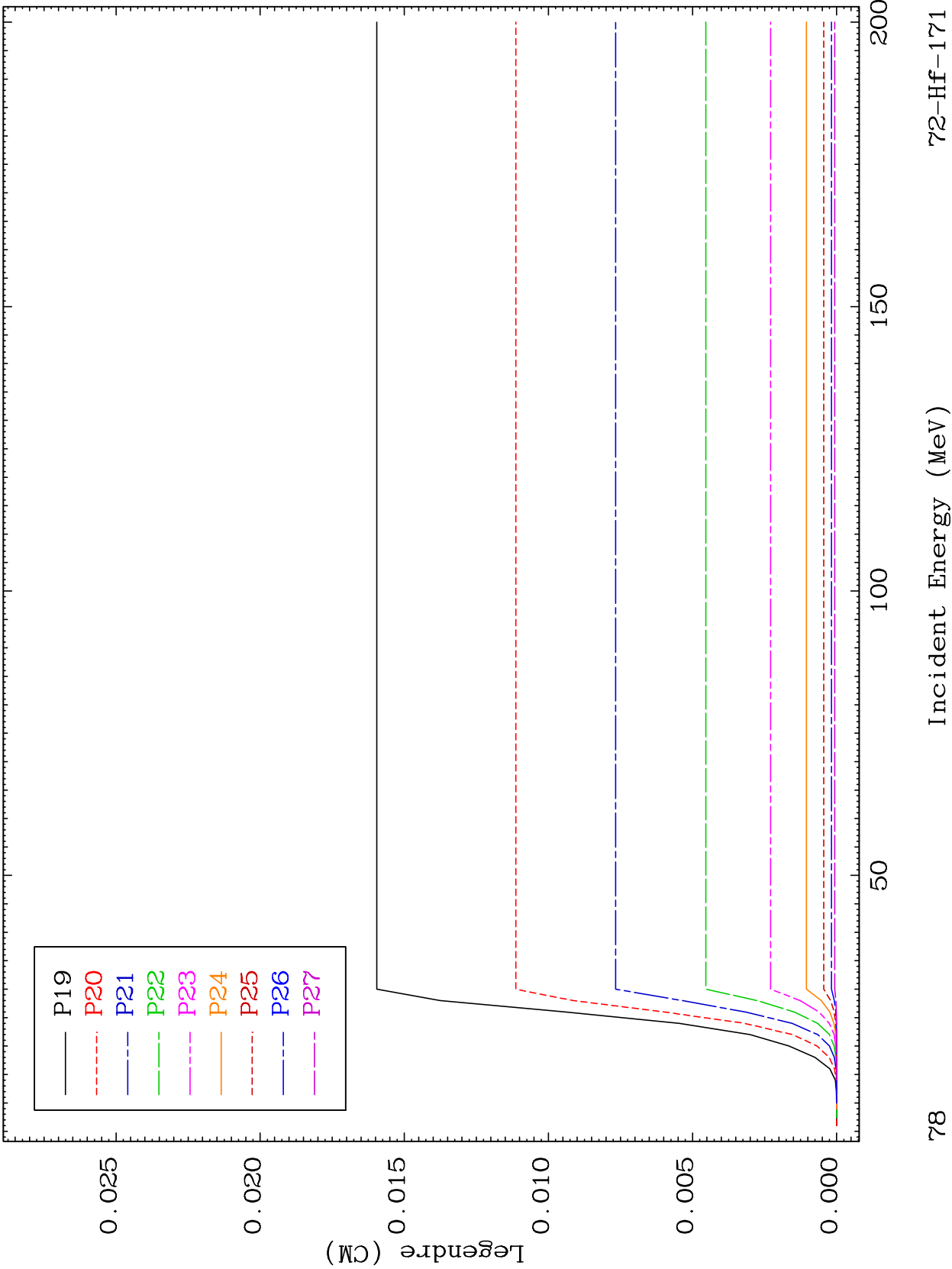
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



78

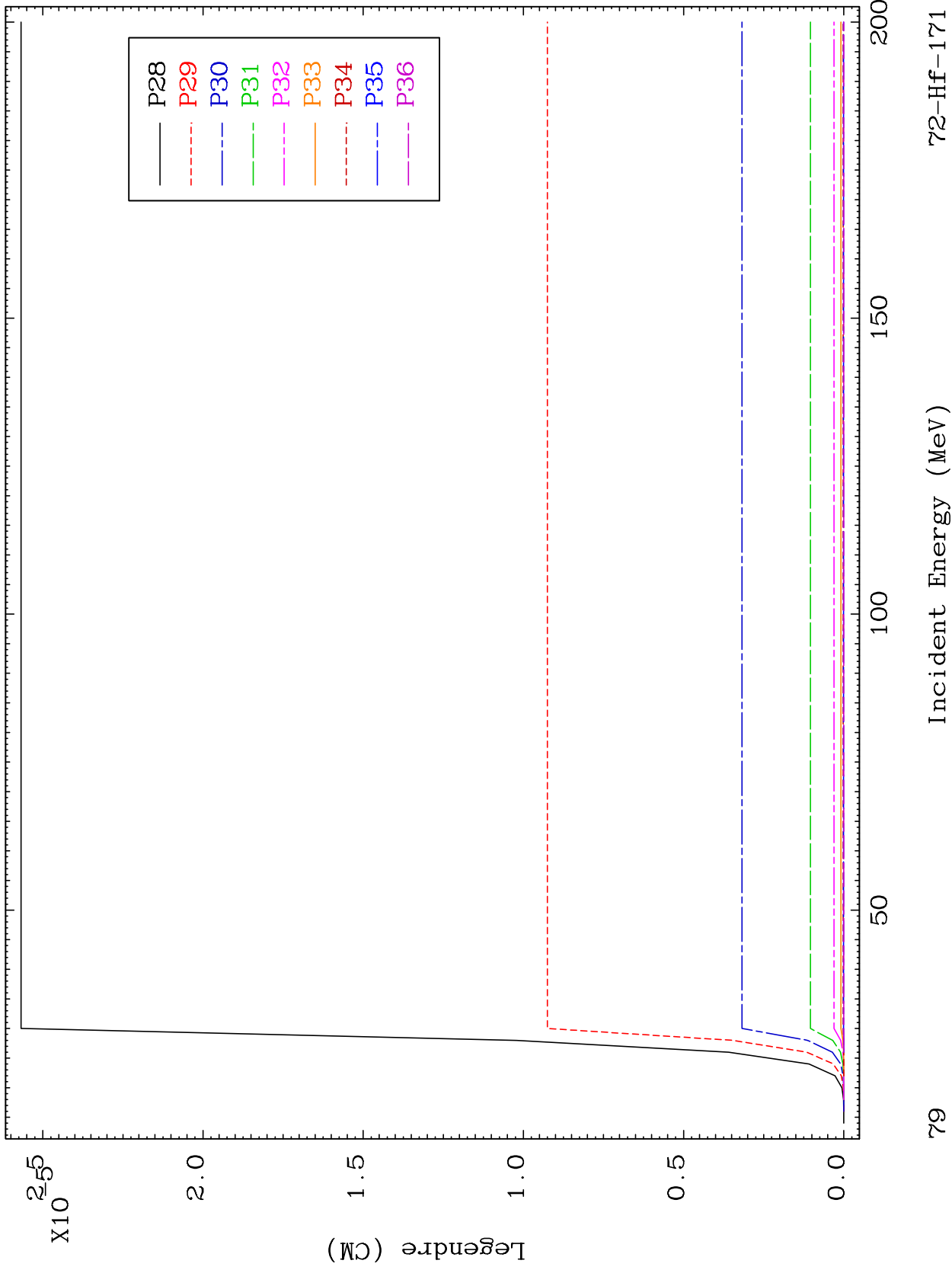
Incident Energy (MeV)

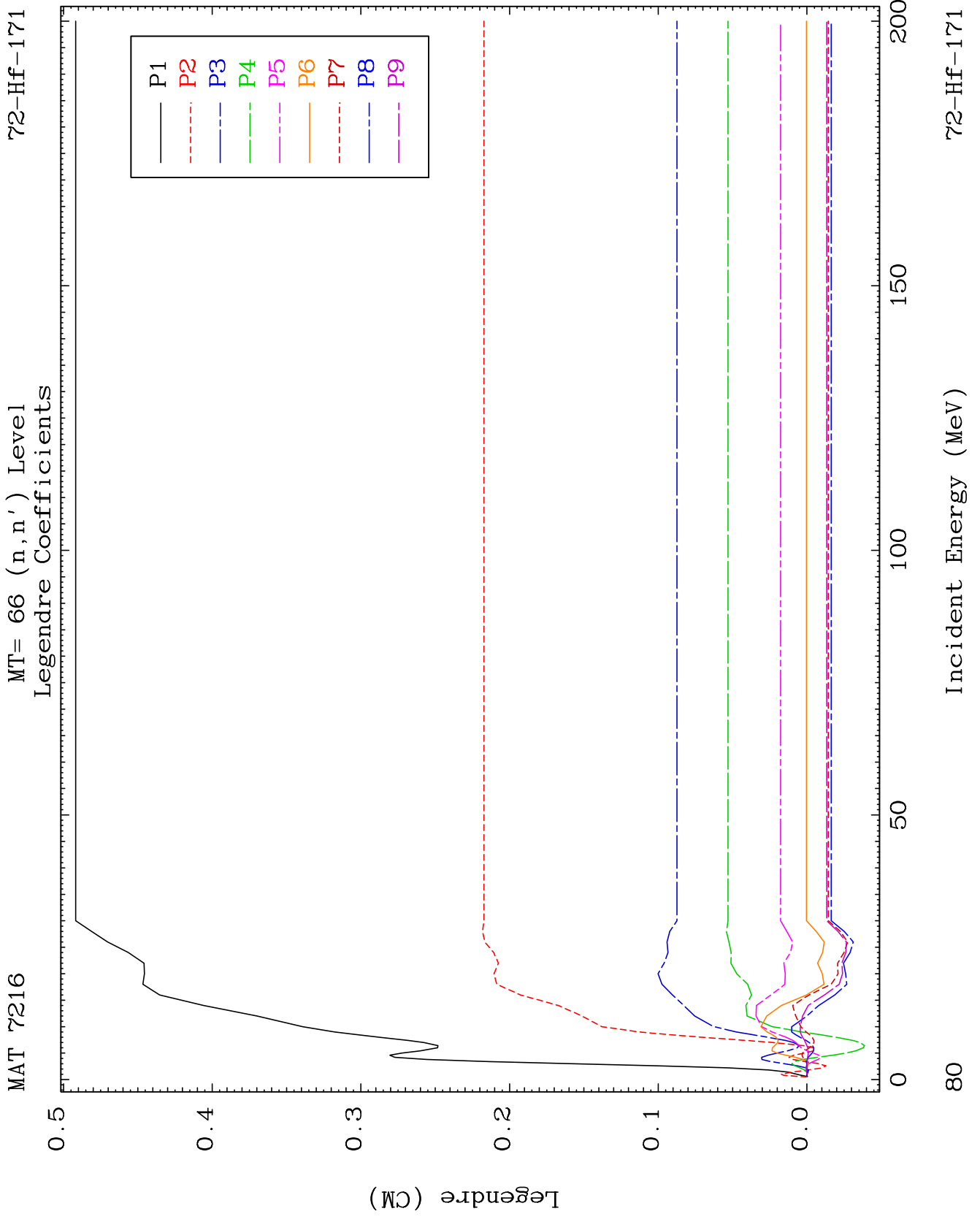
72-Hf-171

MAT 7216

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

72-Hf-171

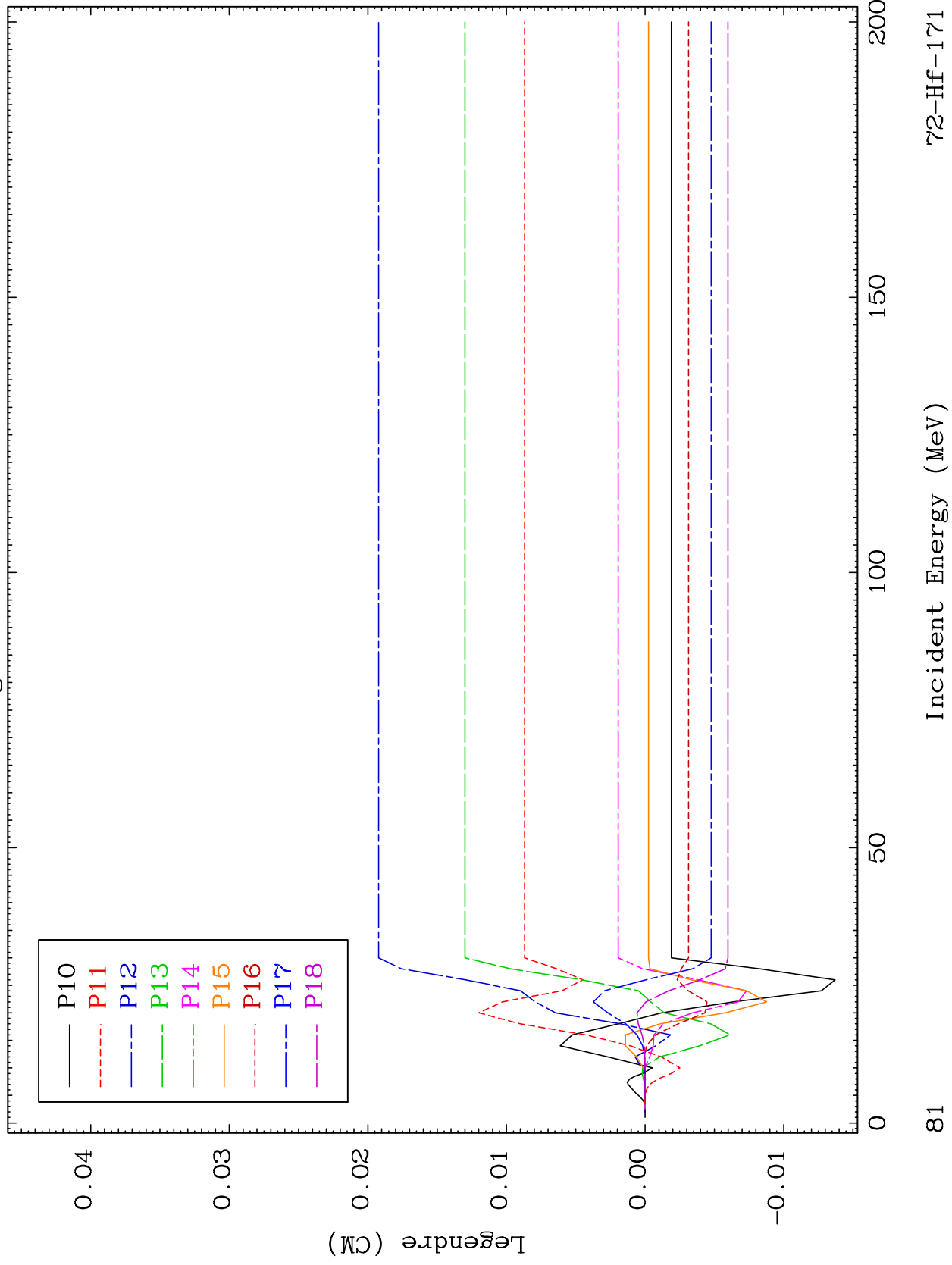




MAT 7216

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

72-Hf-171



81

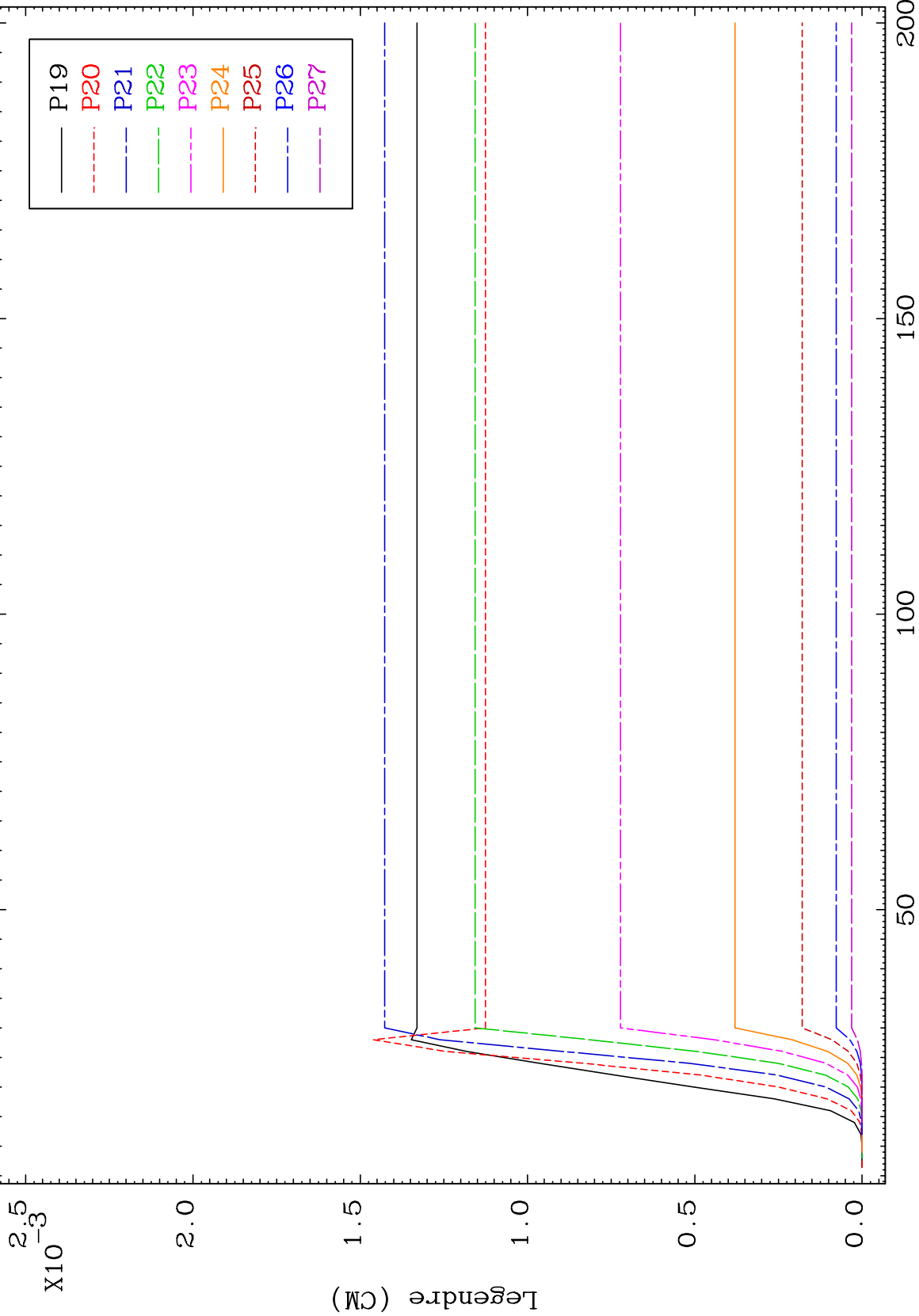
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

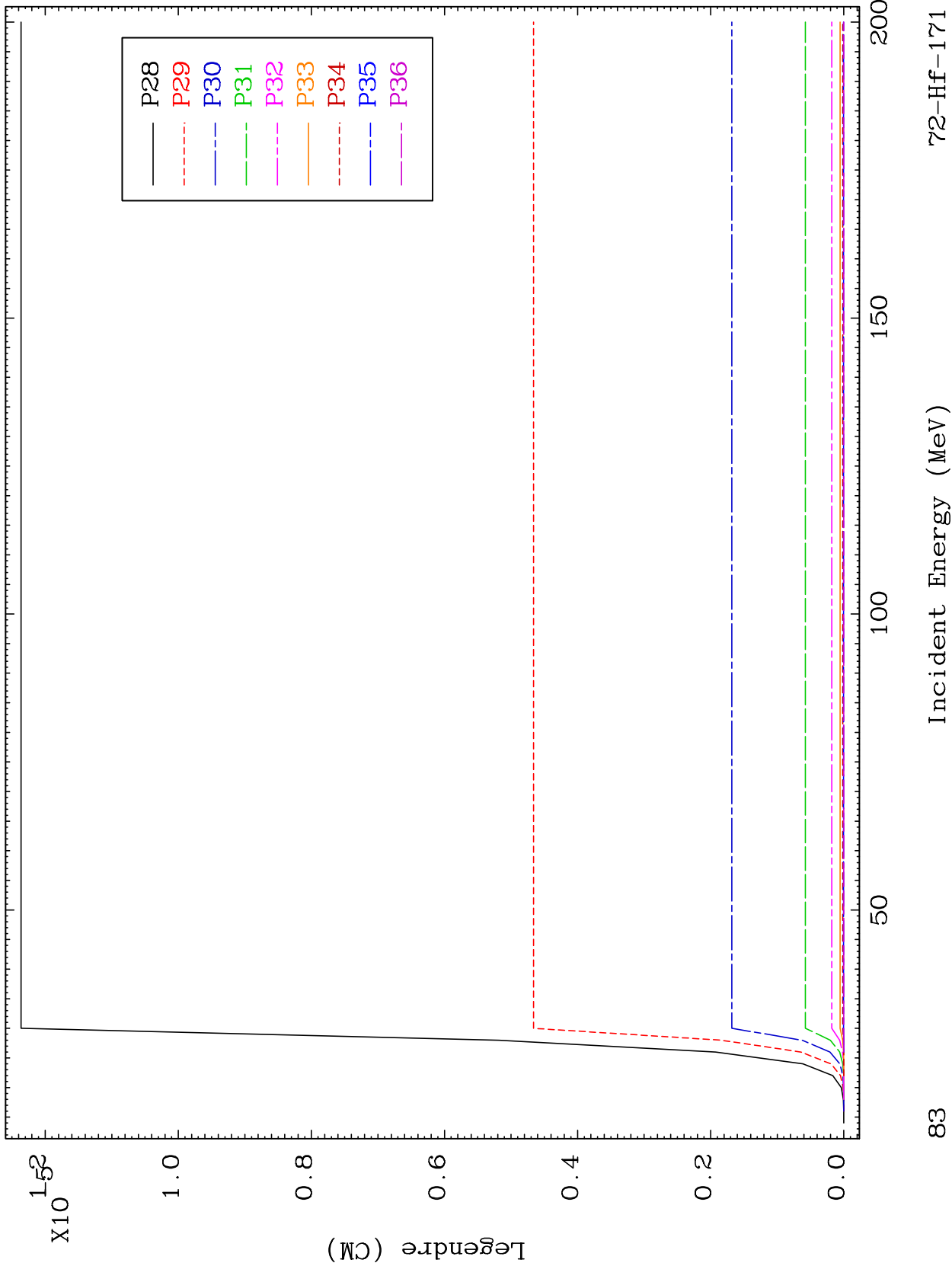
72-Hf-171



82

Incident Energy (MeV)

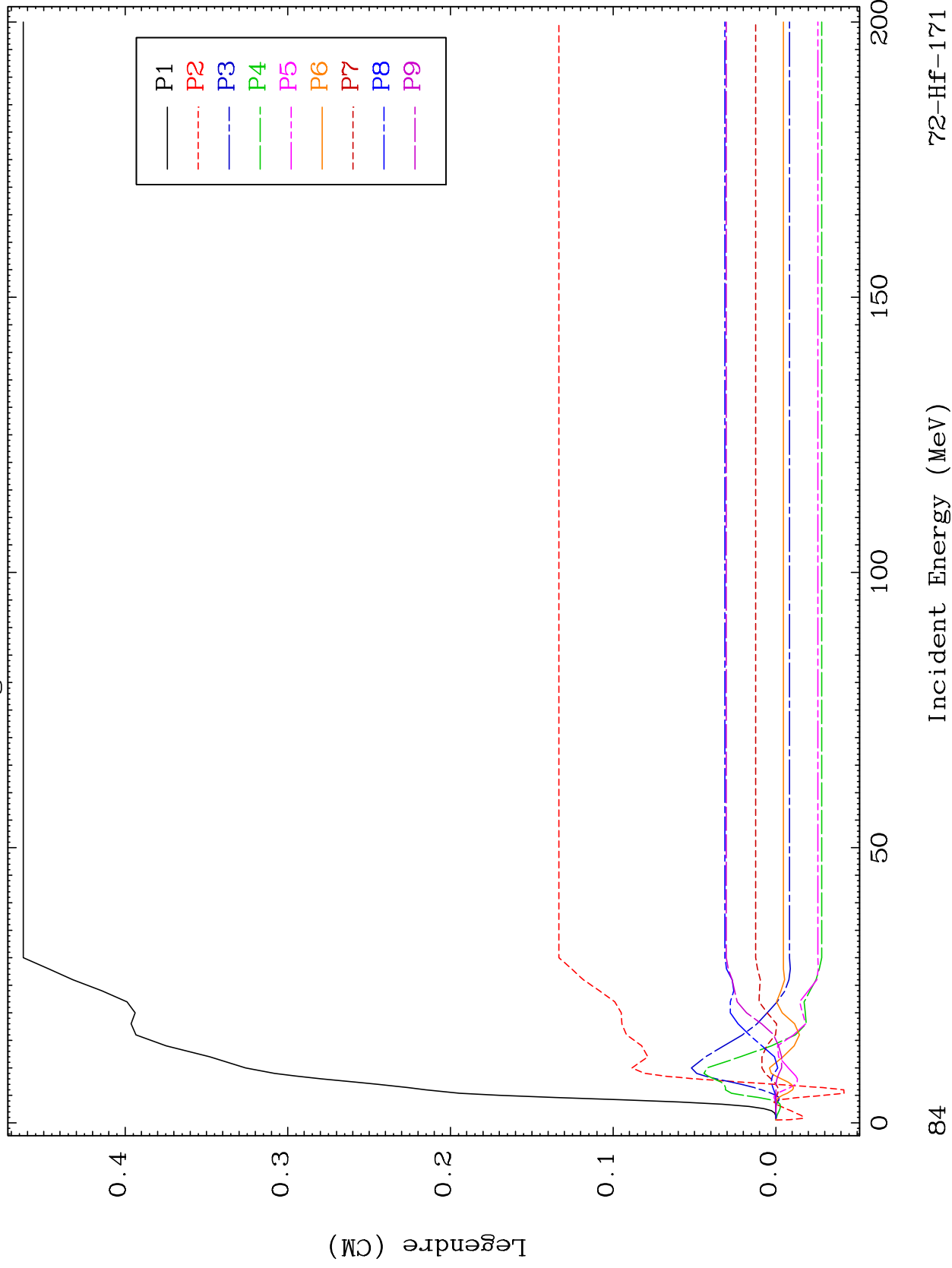
72-Hf-171



MAT 7216

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

72-Hf-171



84

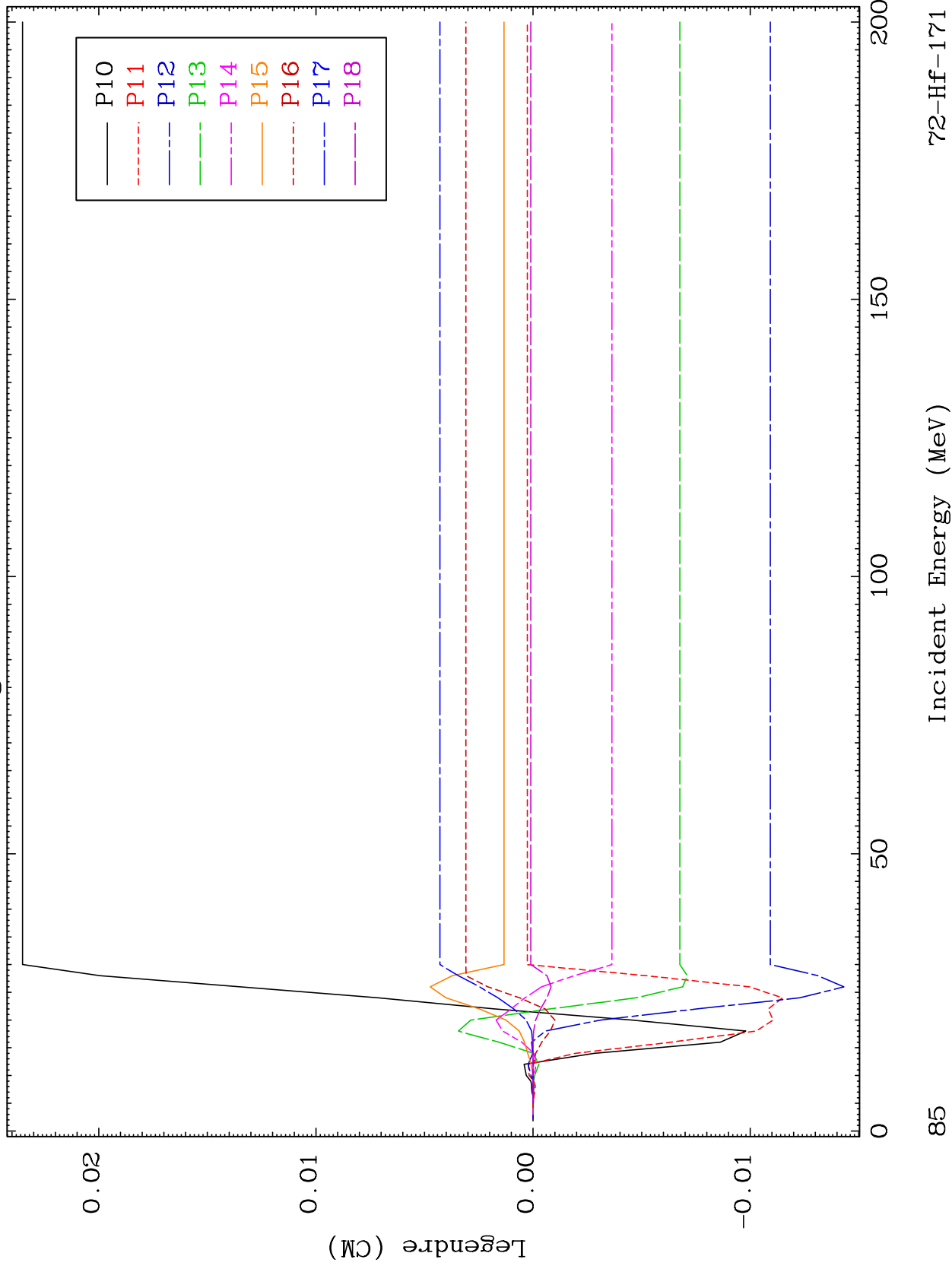
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

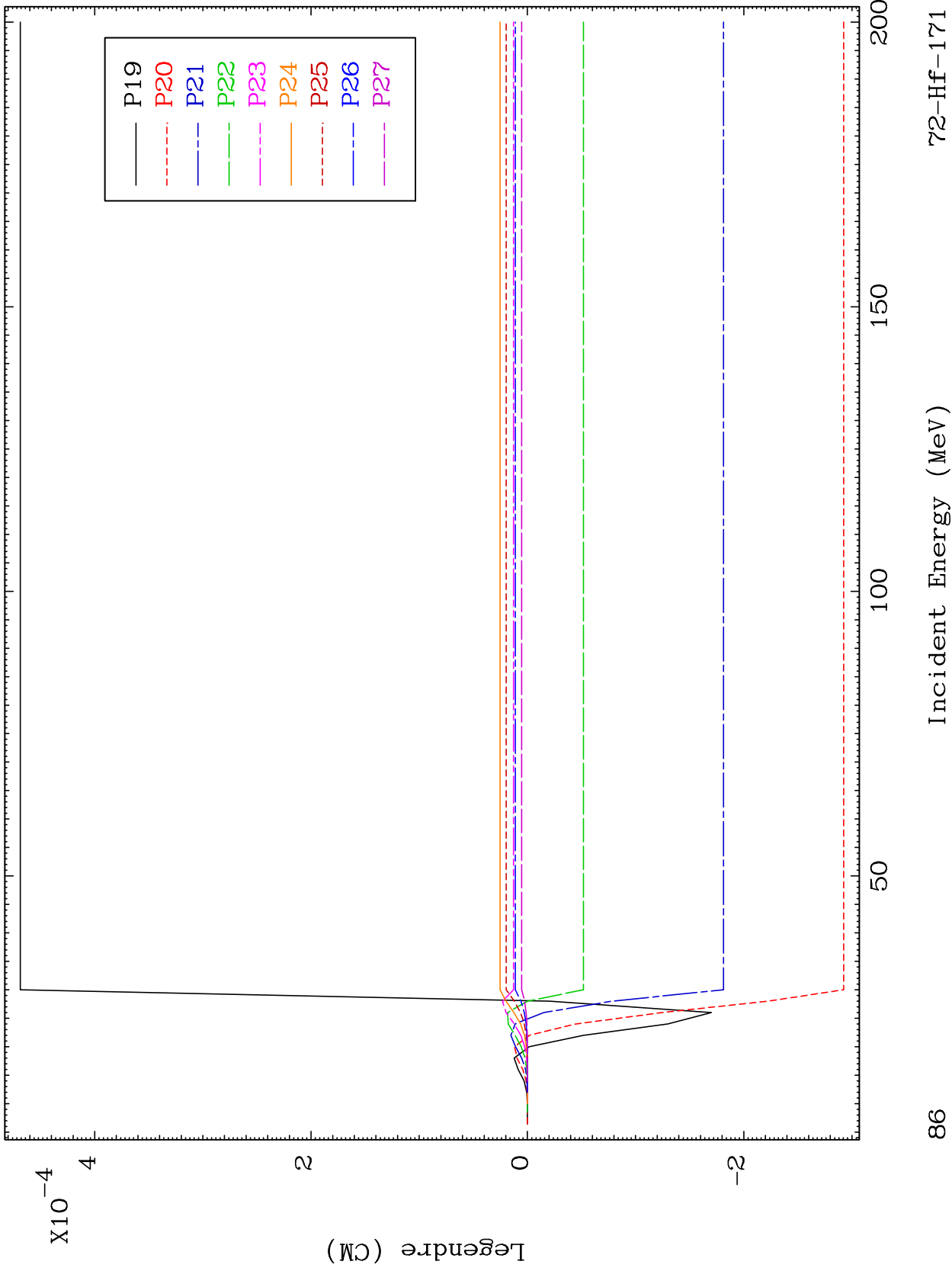
72-Hf-171



72-Hf-171

Incident Energy (MeV)

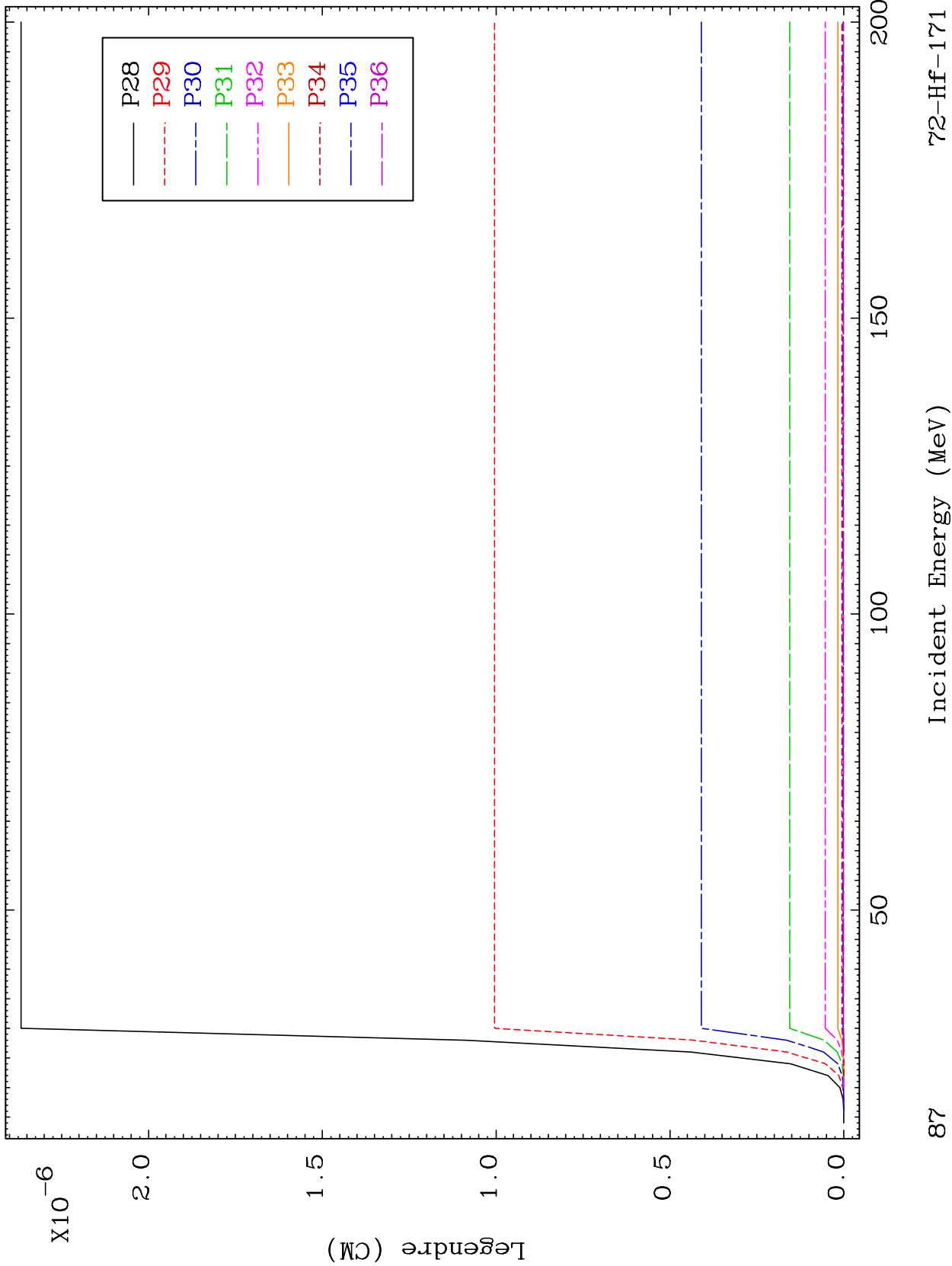
85



MAT 7216

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

72-Hf-171



87

Incident Energy (MeV)

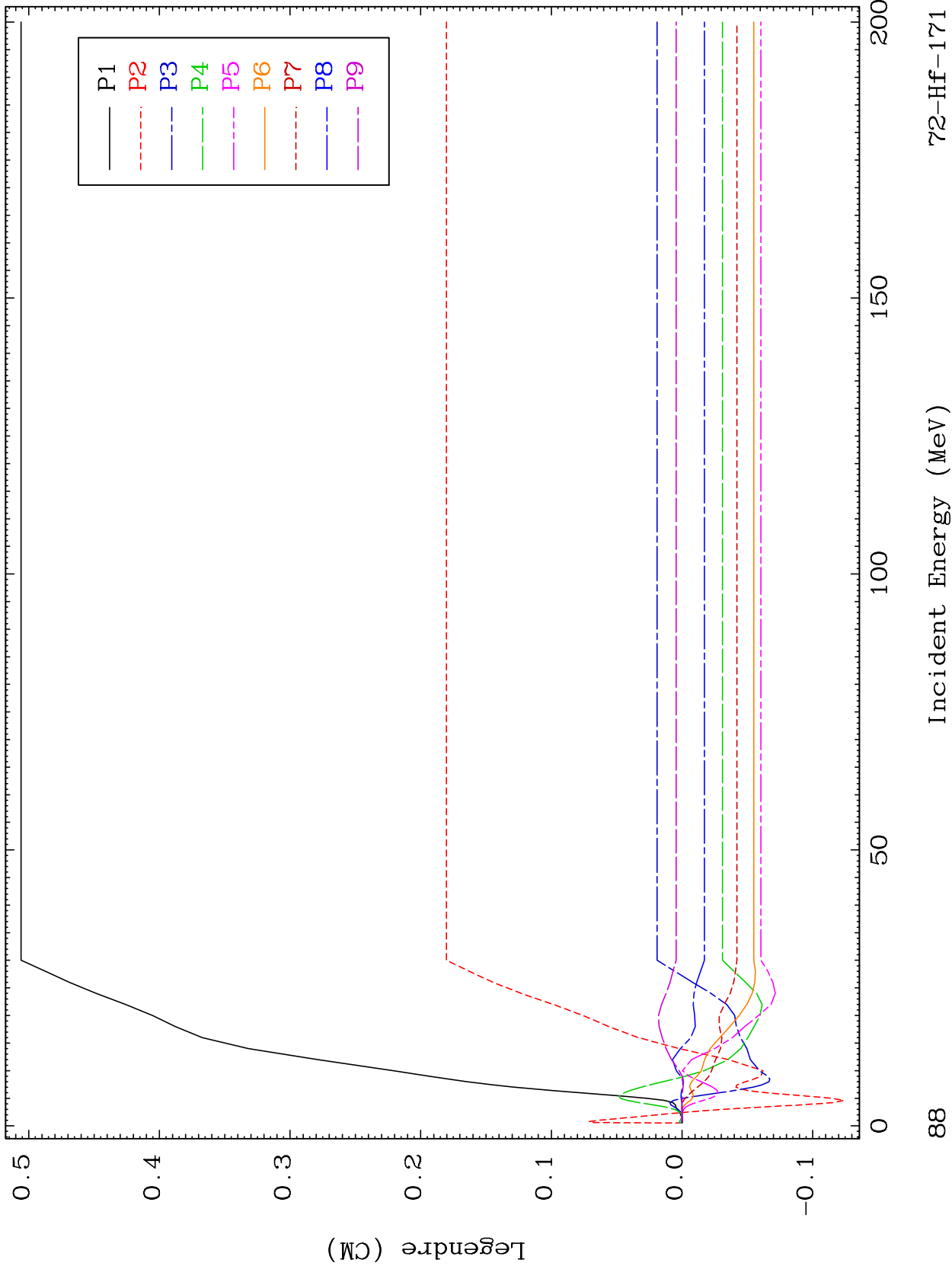
72-Hf-171

MAT 7216

MT= 68 (n,n') Level

72-Hf-171

Legendre Coefficients



88

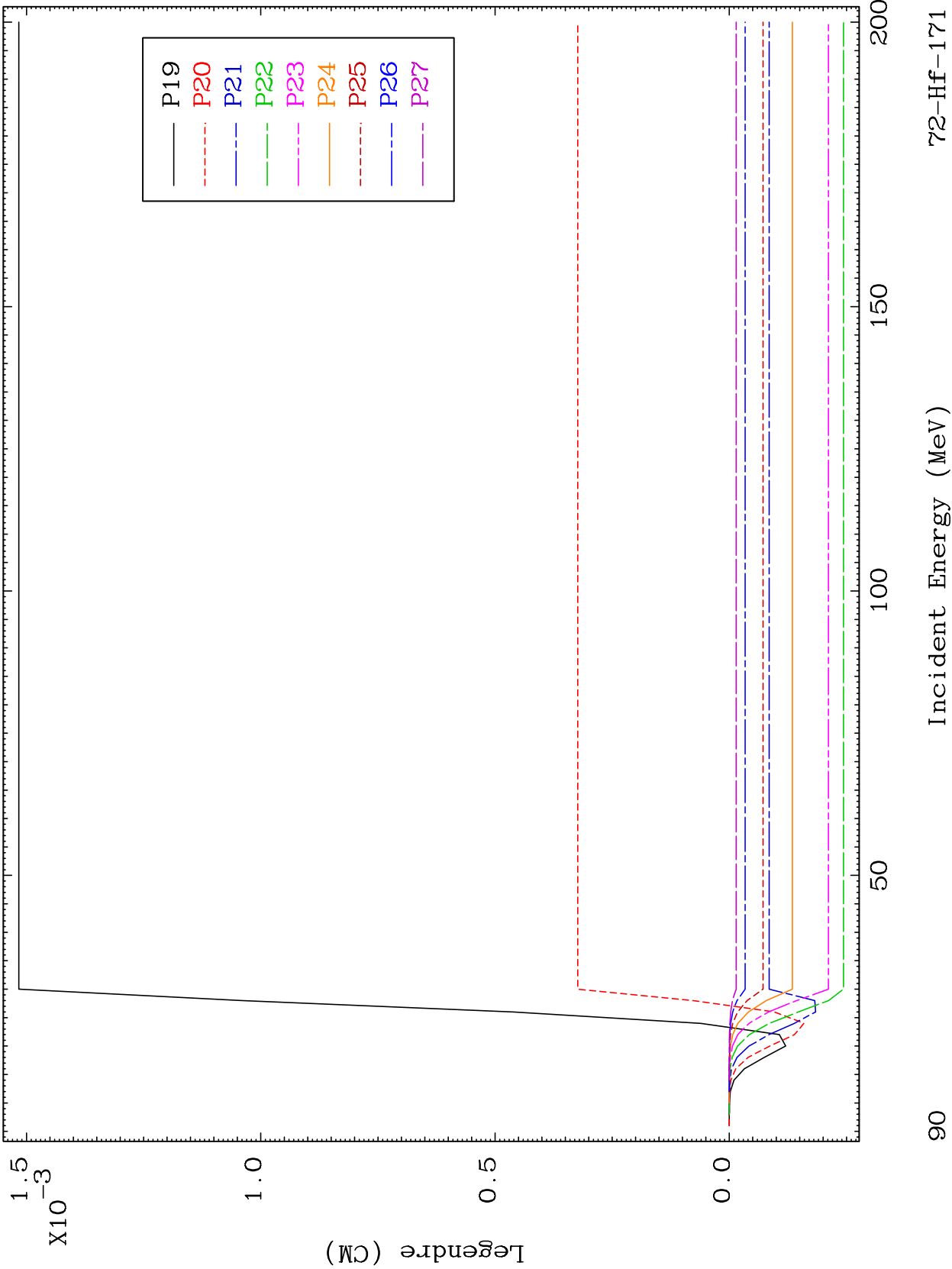
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

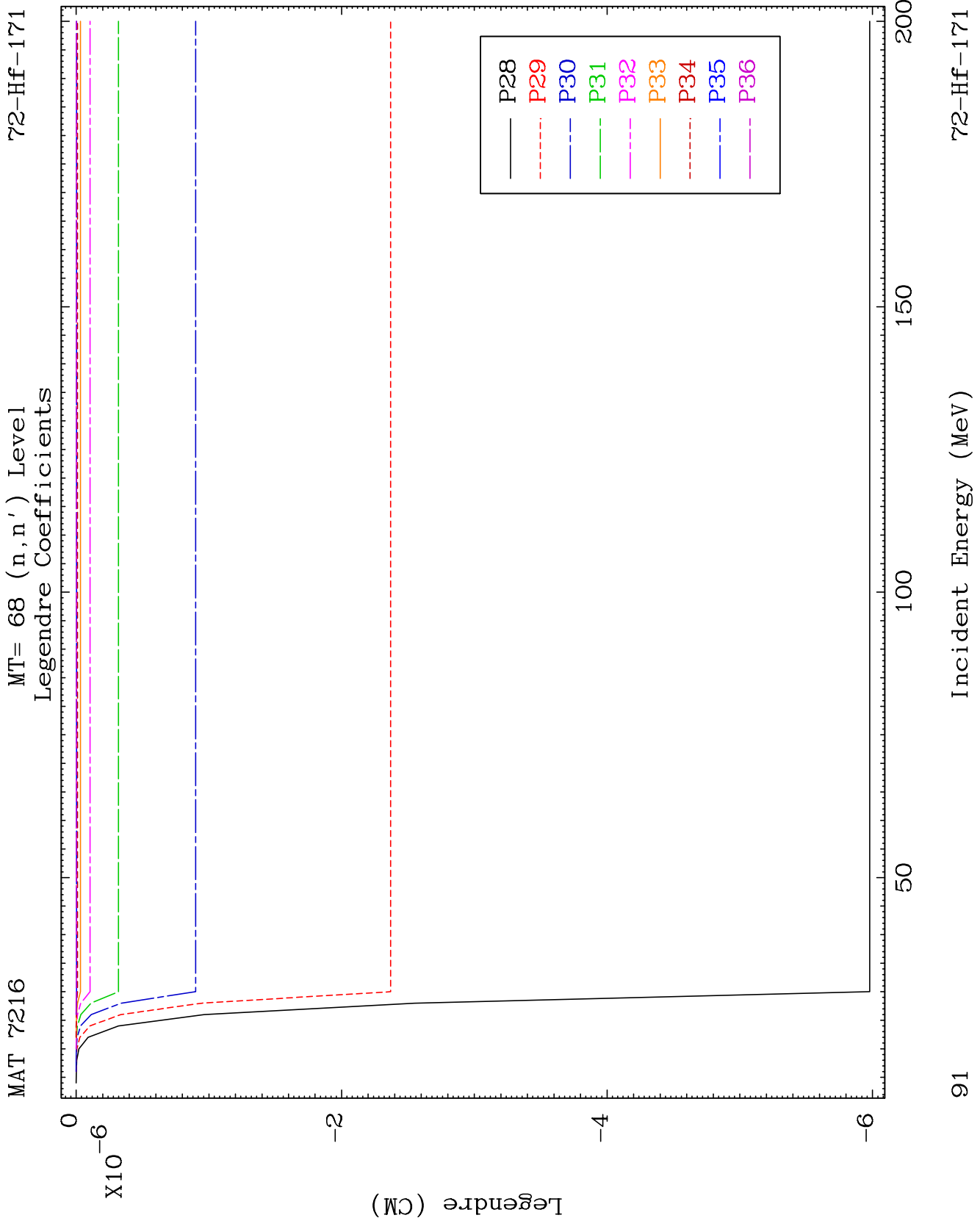
72-Hf-171



90

Incident Energy (MeV)

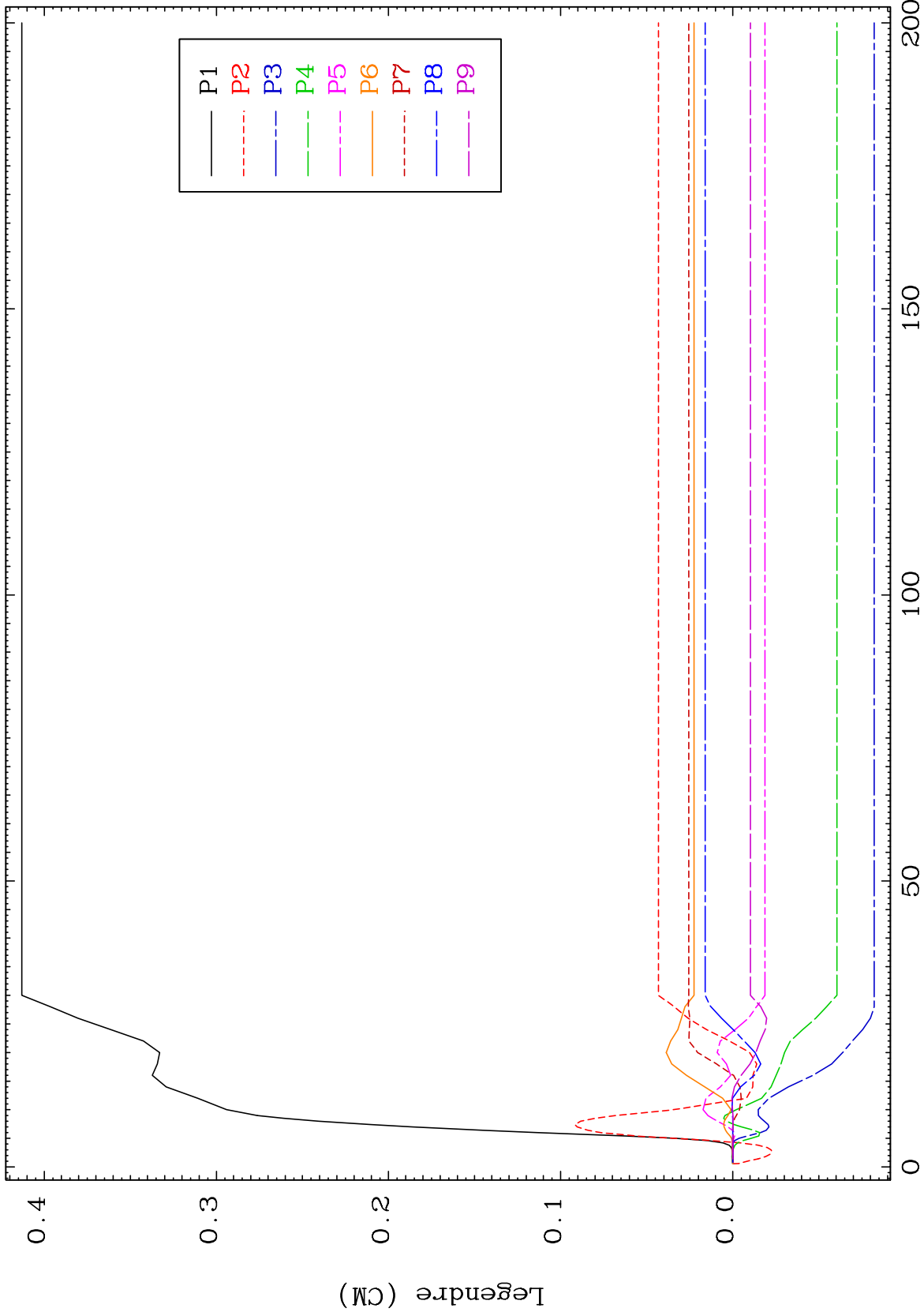
72-Hf-171



MAT 7216

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

72-Hf-171



92

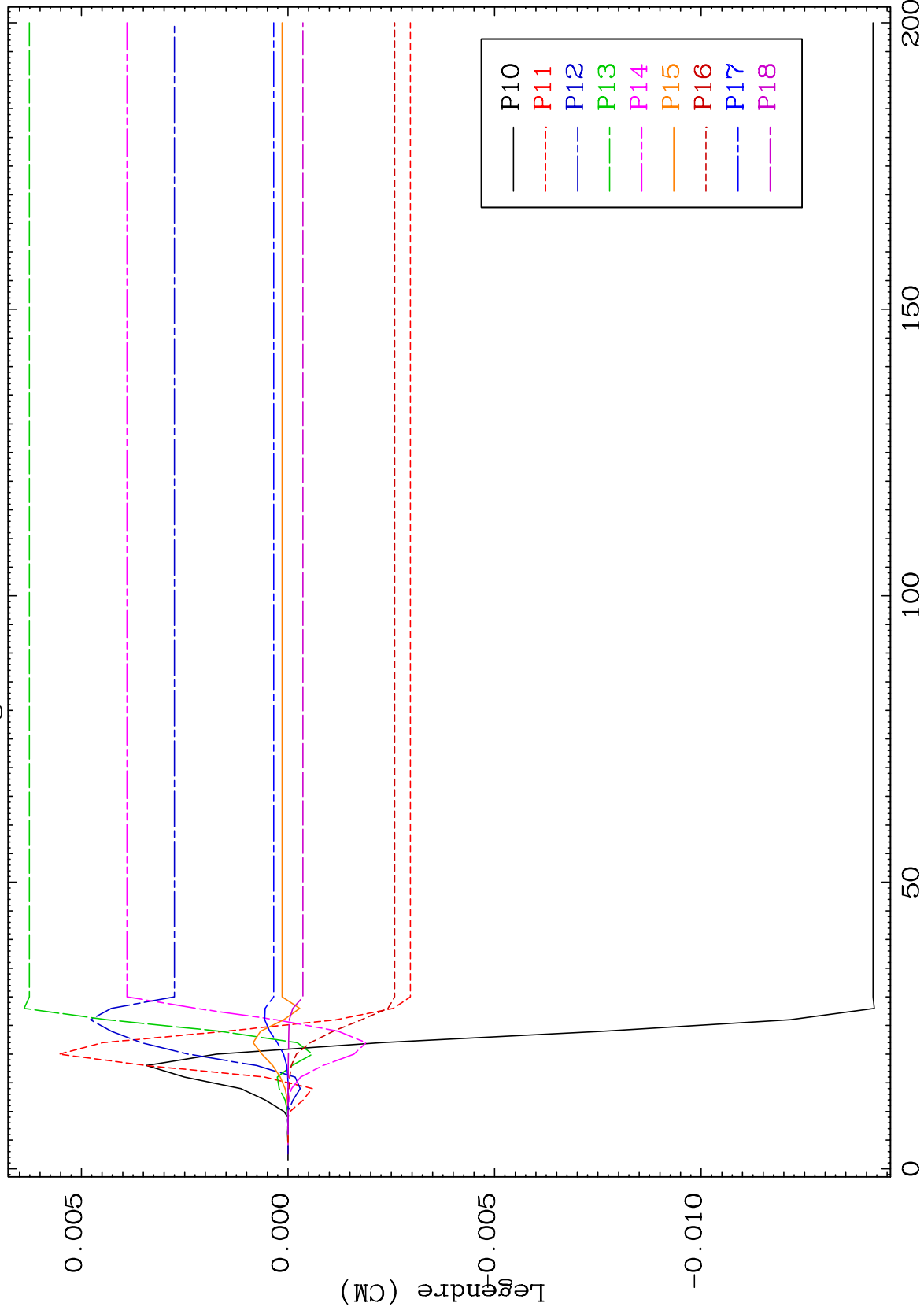
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



93

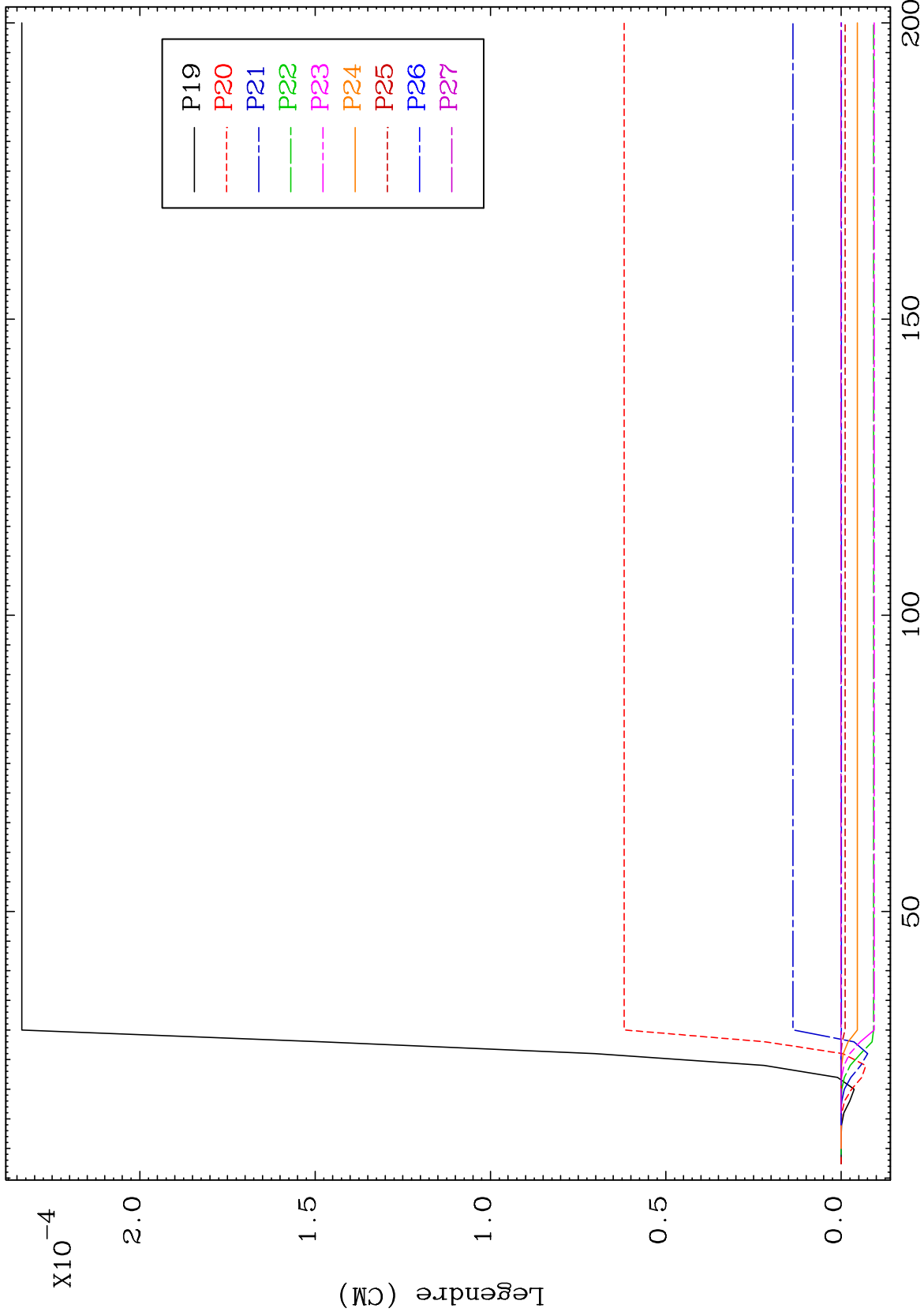
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



94

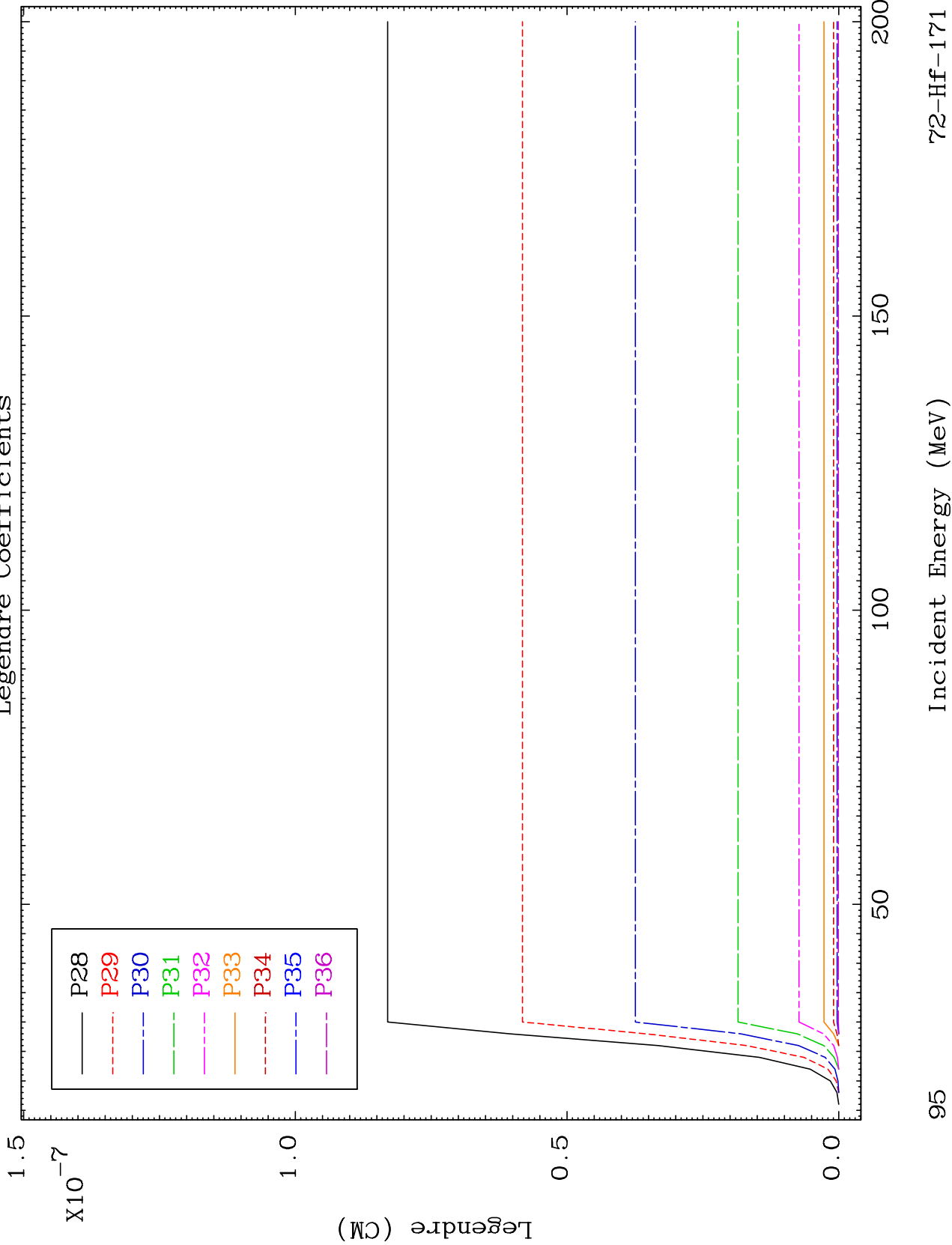
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

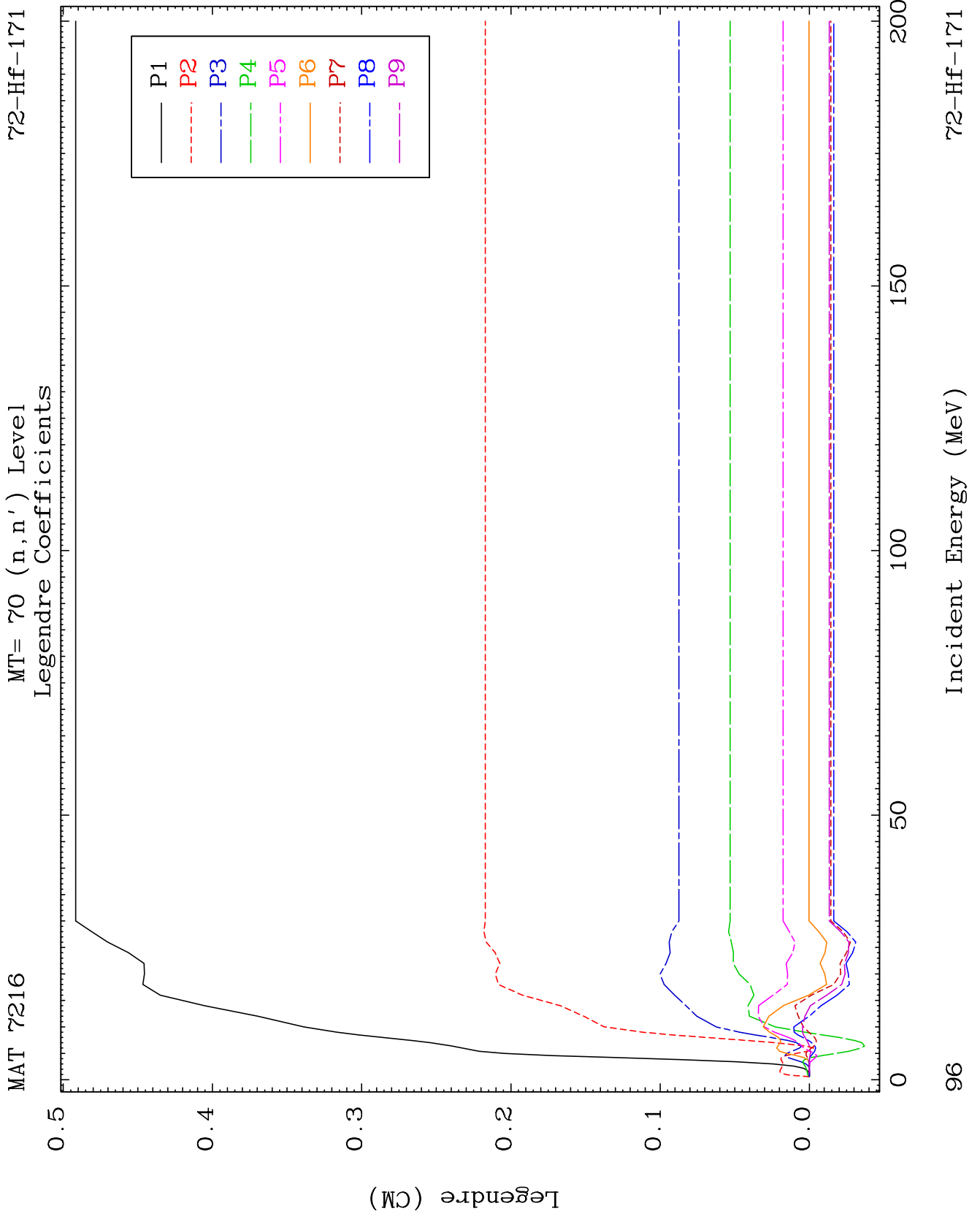
72-Hf-171



95

Incident Energy (MeV)

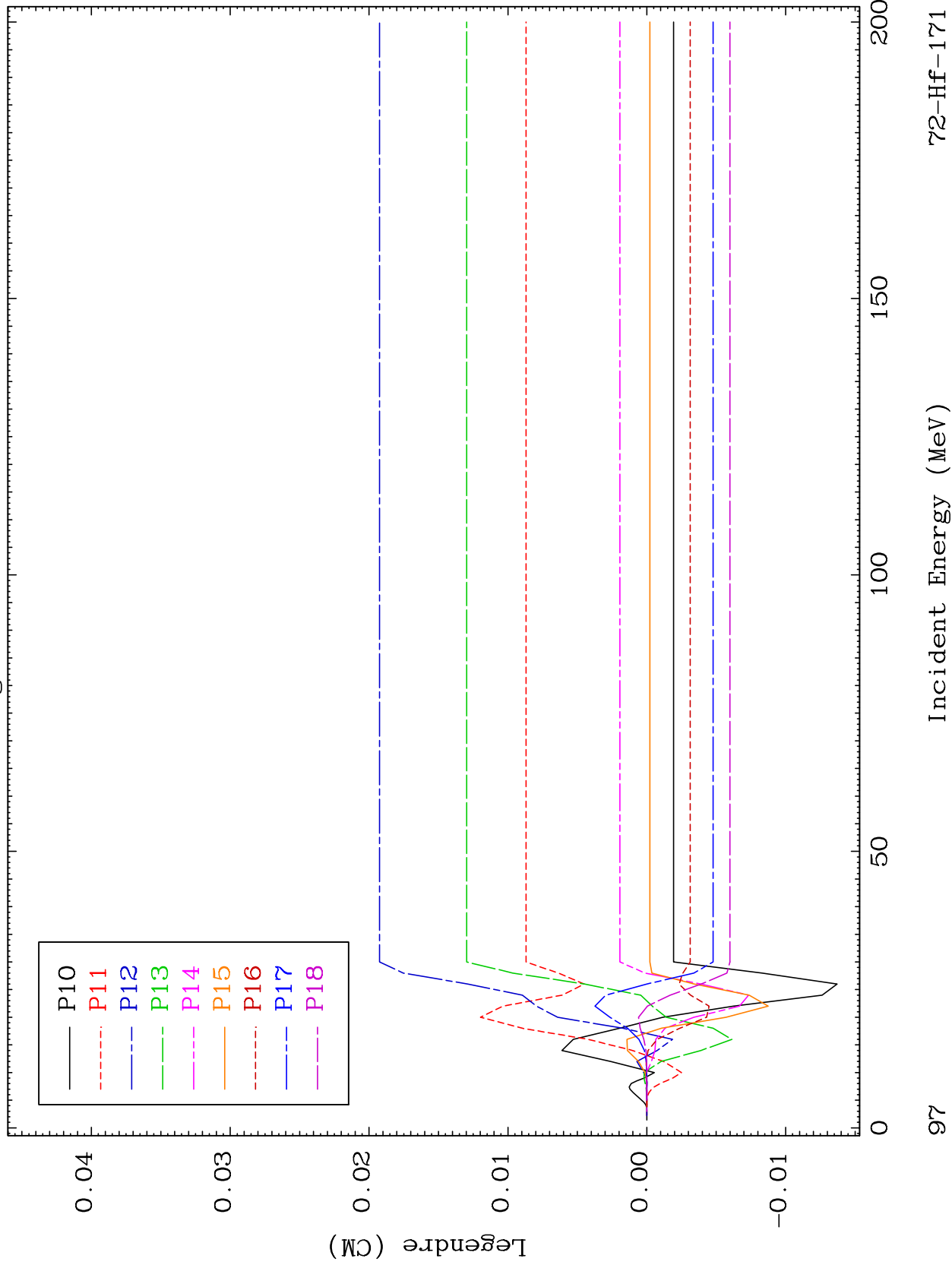
72-Hf-171



MAT 7216

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

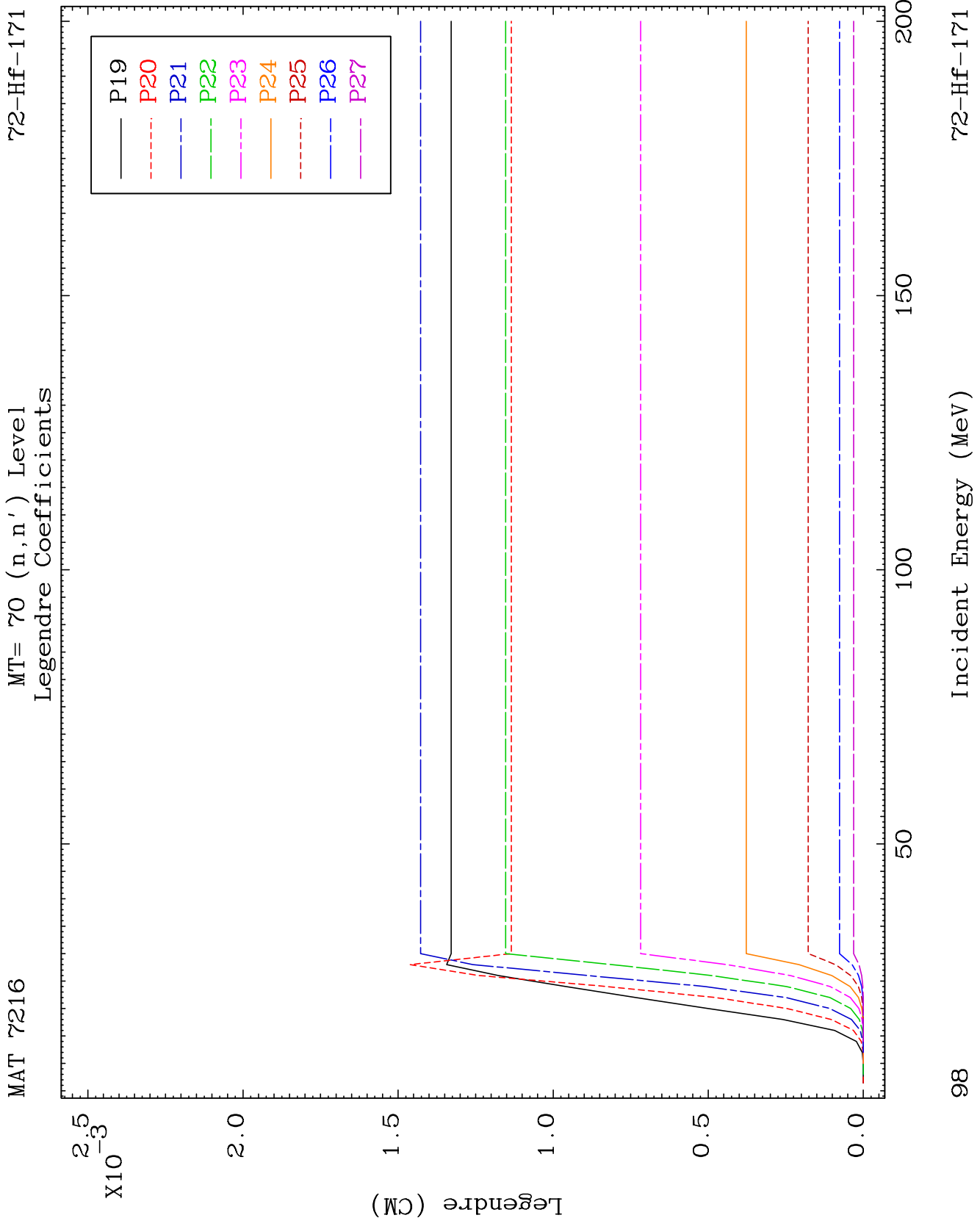
72-Hf-171



97

Incident Energy (MeV)

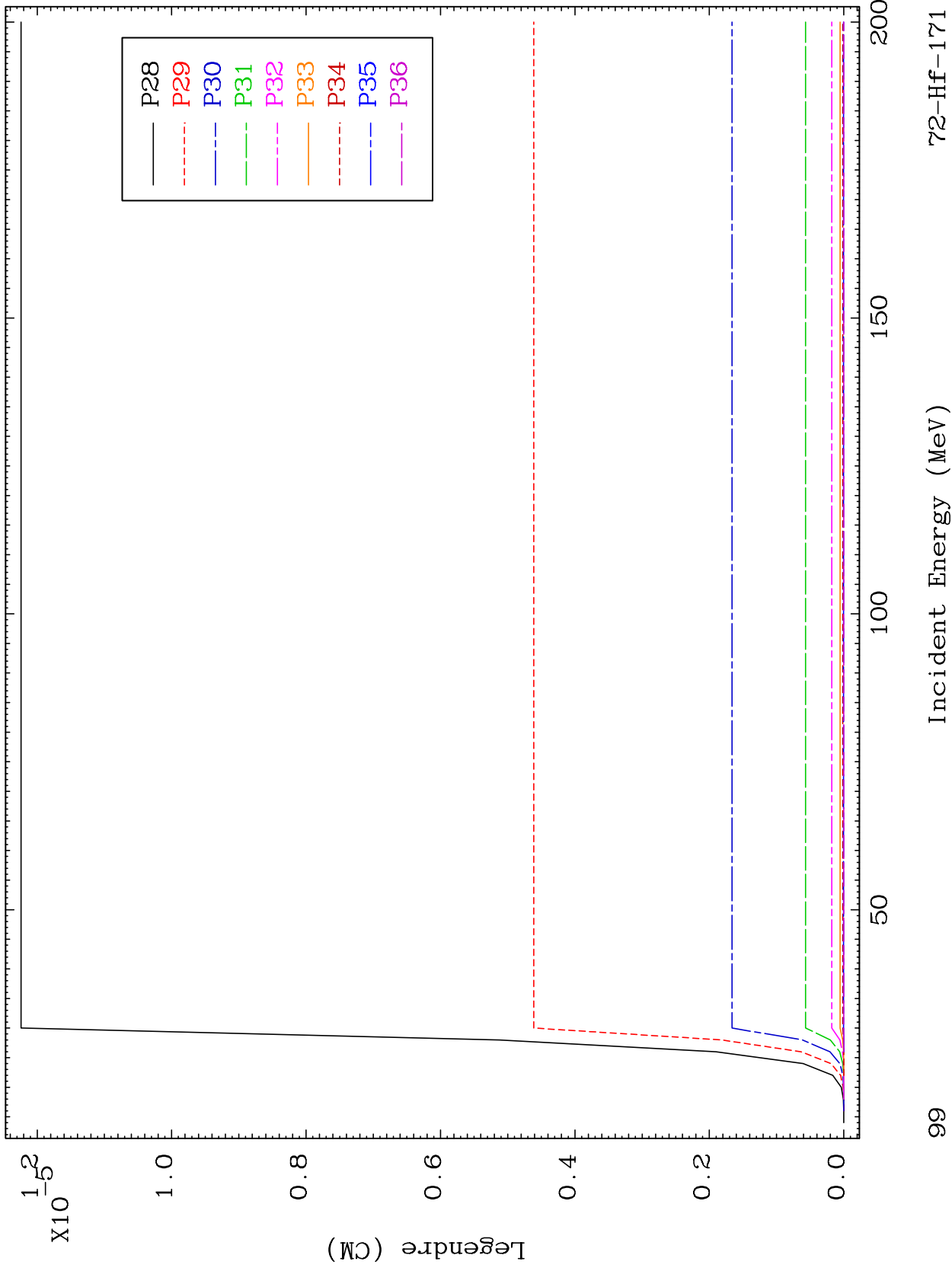
72-Hf-171



MAT 7216

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

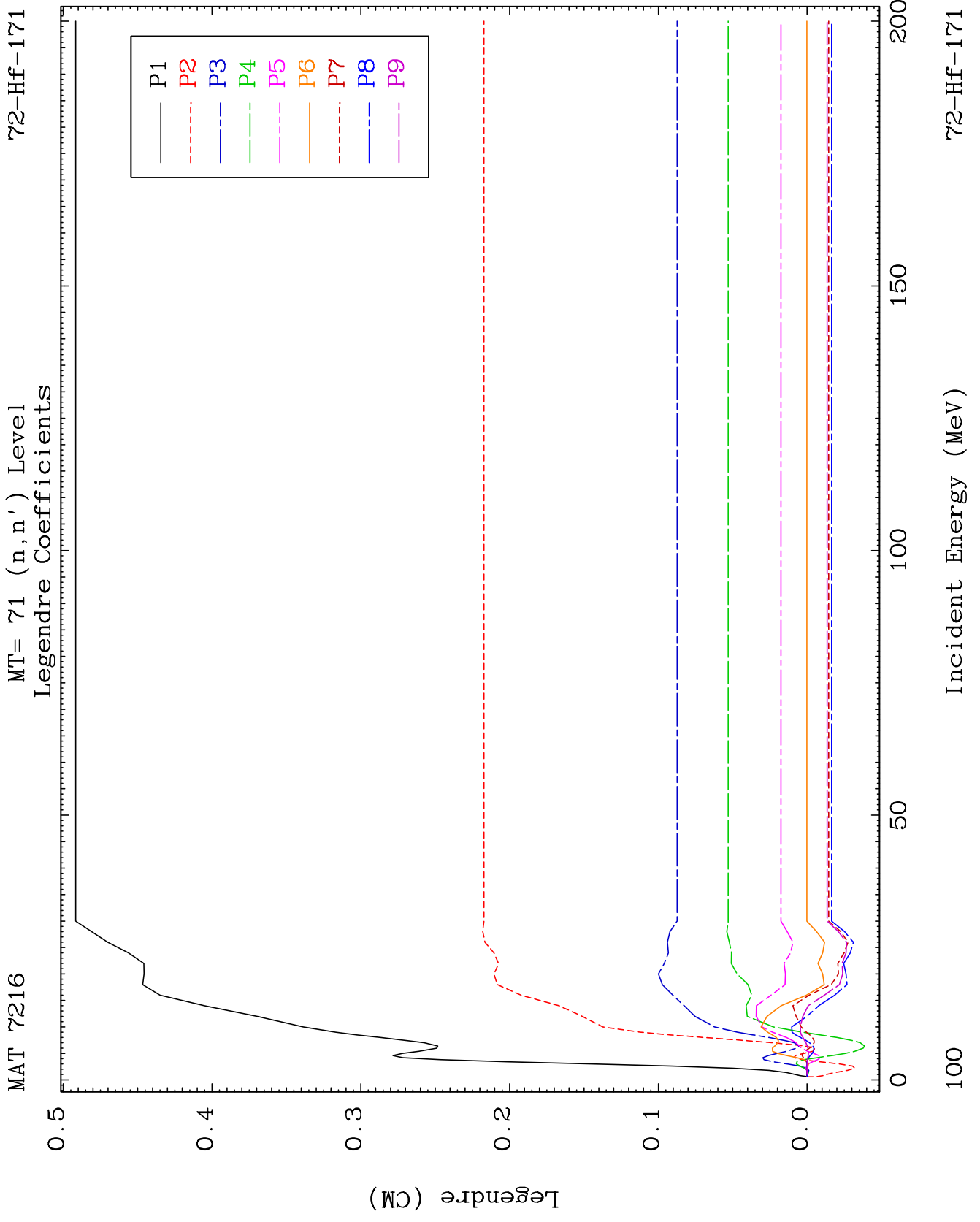
72-Hf-171



99

Incident Energy (MeV)

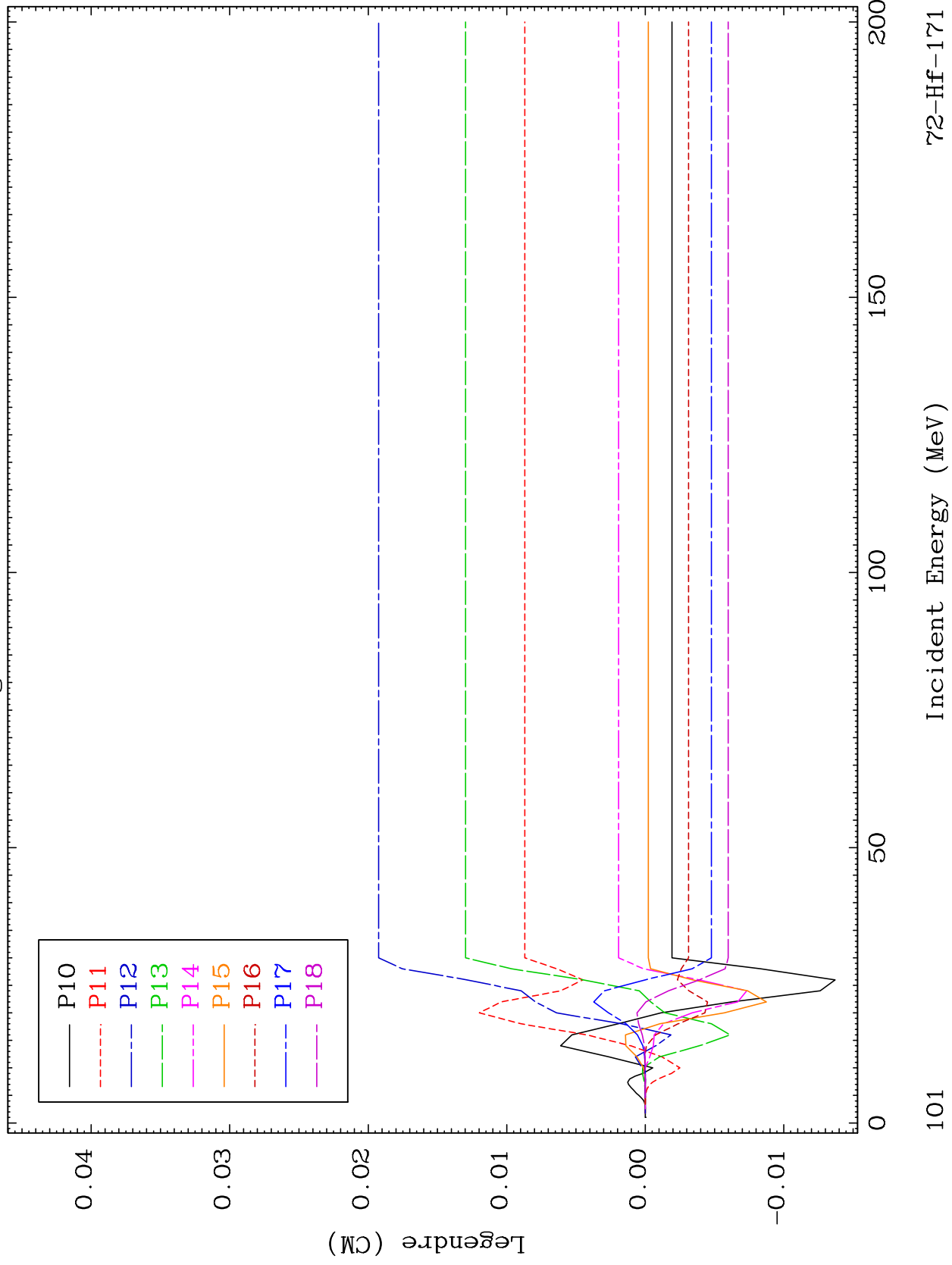
72-Hf-171



MAT 7216

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

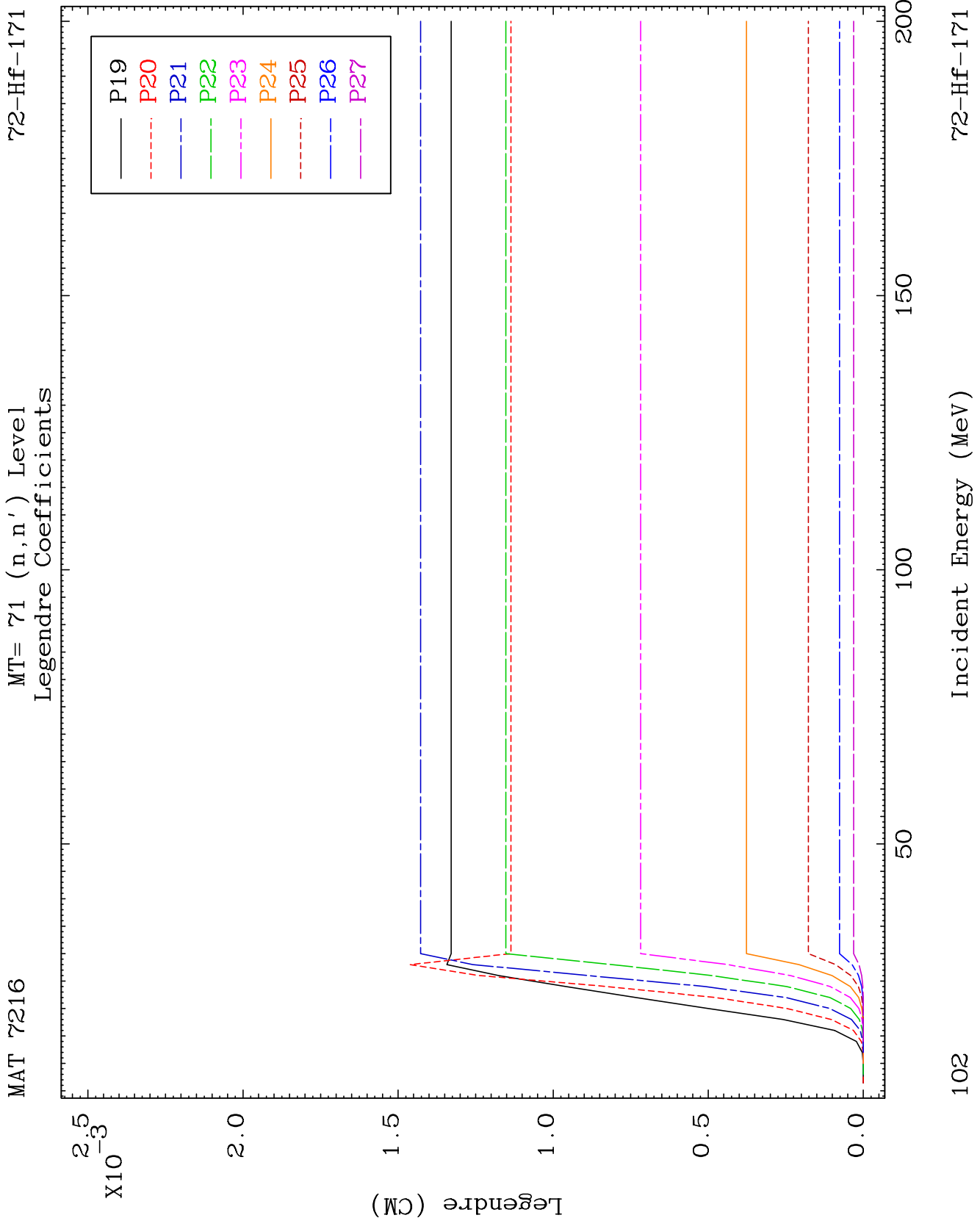
72-Hf-171



72-Hf-171

Incident Energy (MeV)

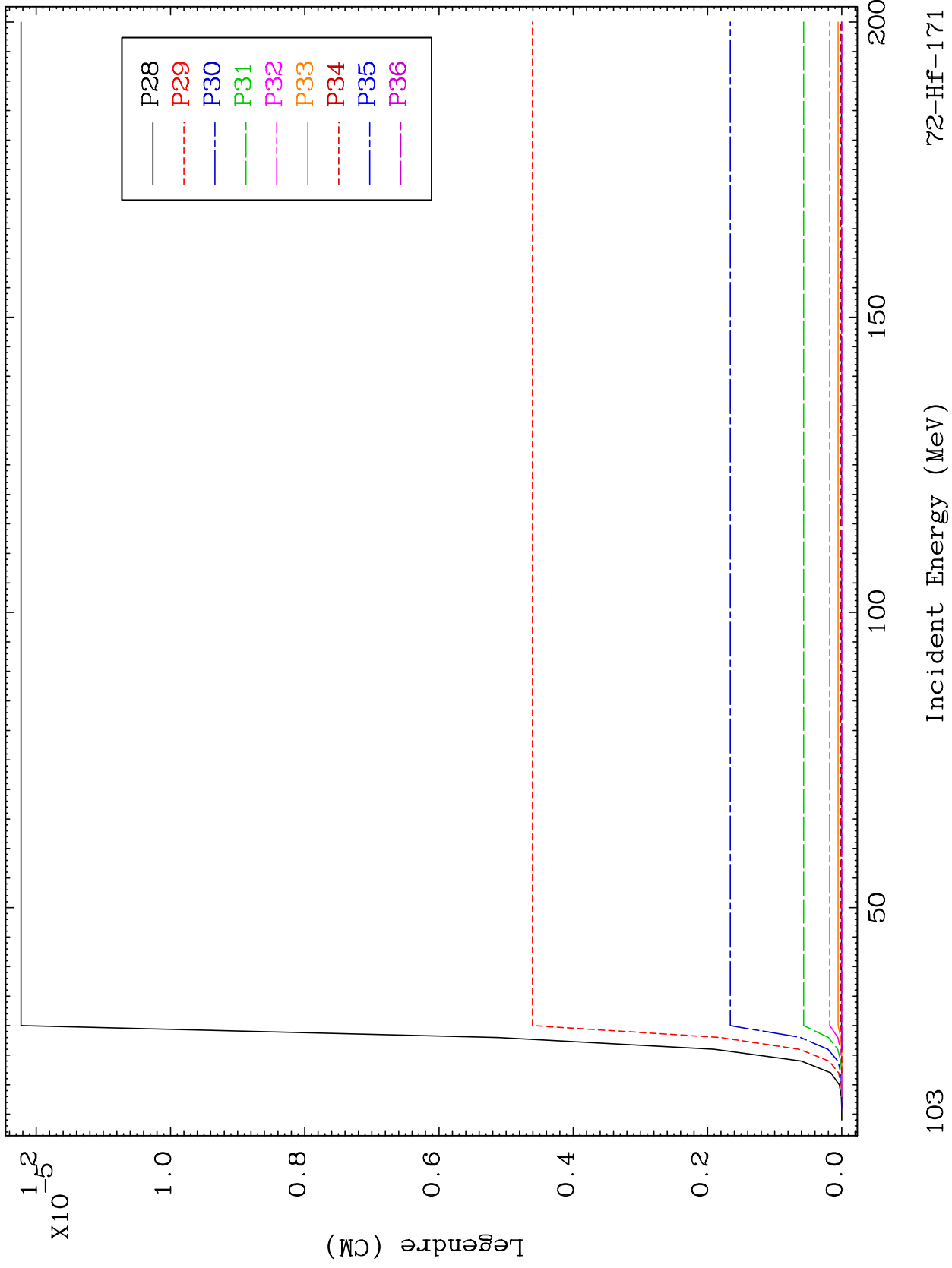
101



MAT 7216

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

72-Hf-171



103

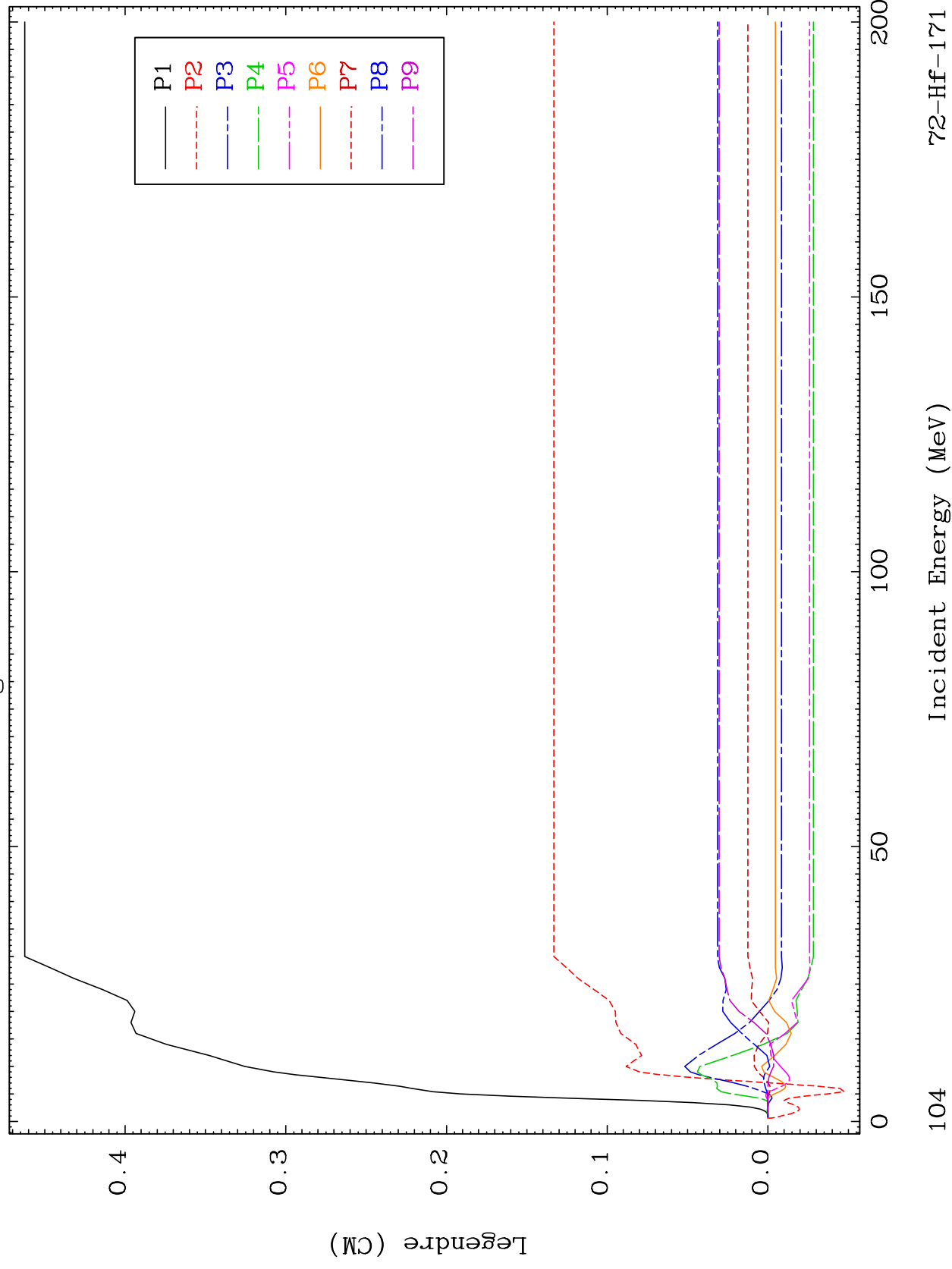
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



72-Hf-171

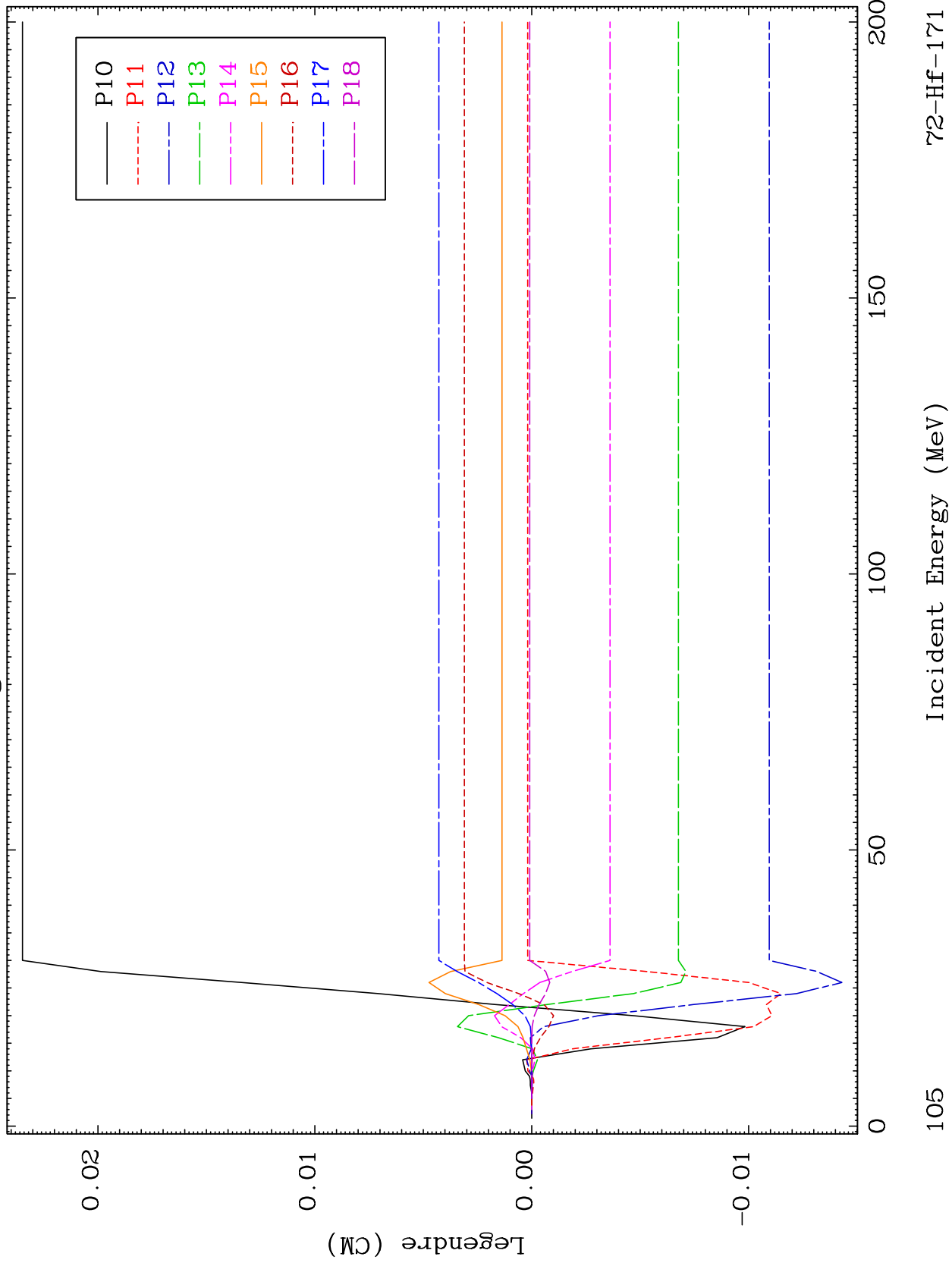
Incident Energy (MeV)

104

MAT 7216

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

72-Hf-171



72-Hf-171

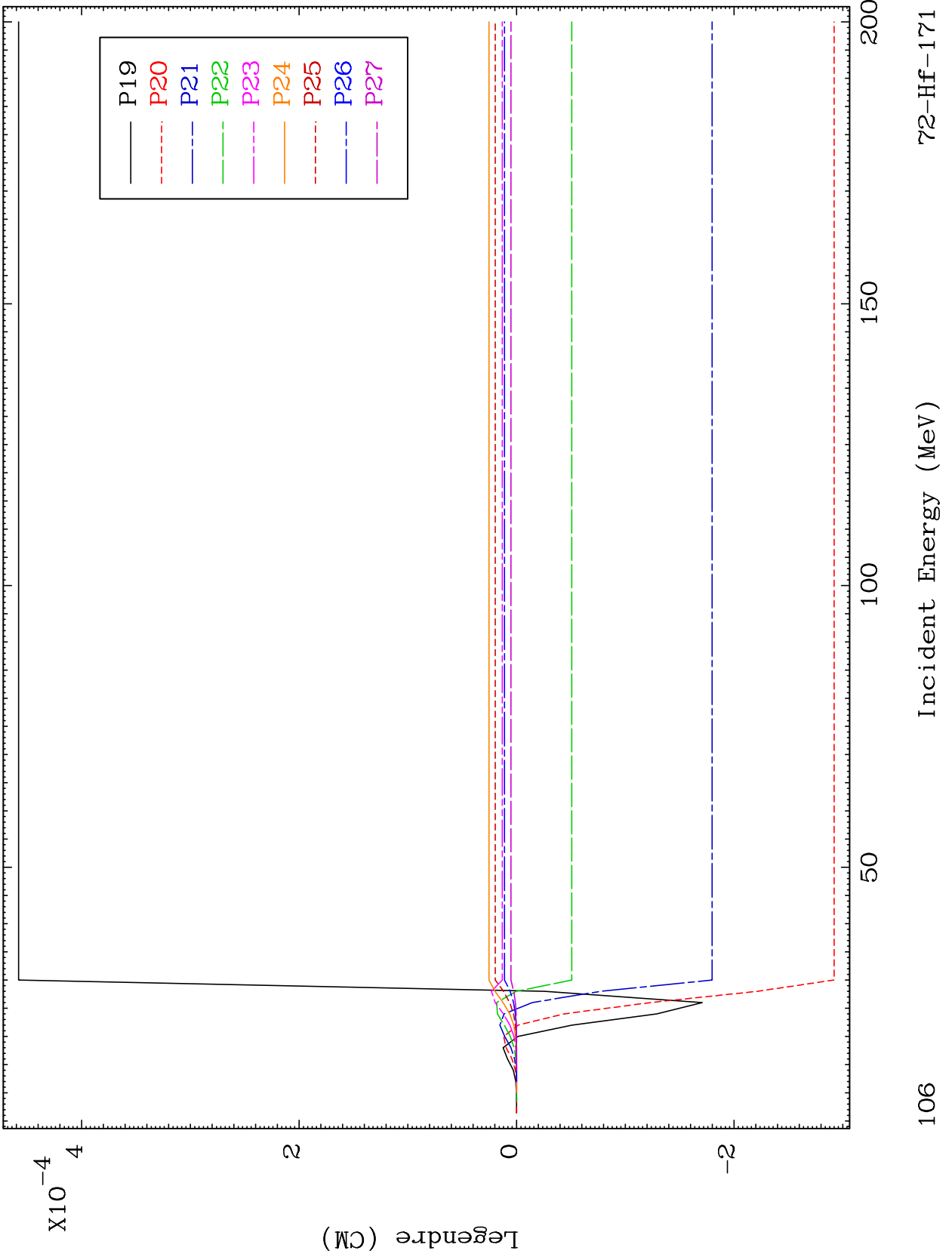
Incident Energy (MeV)

105

MAT 7216

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

72-Hf-171

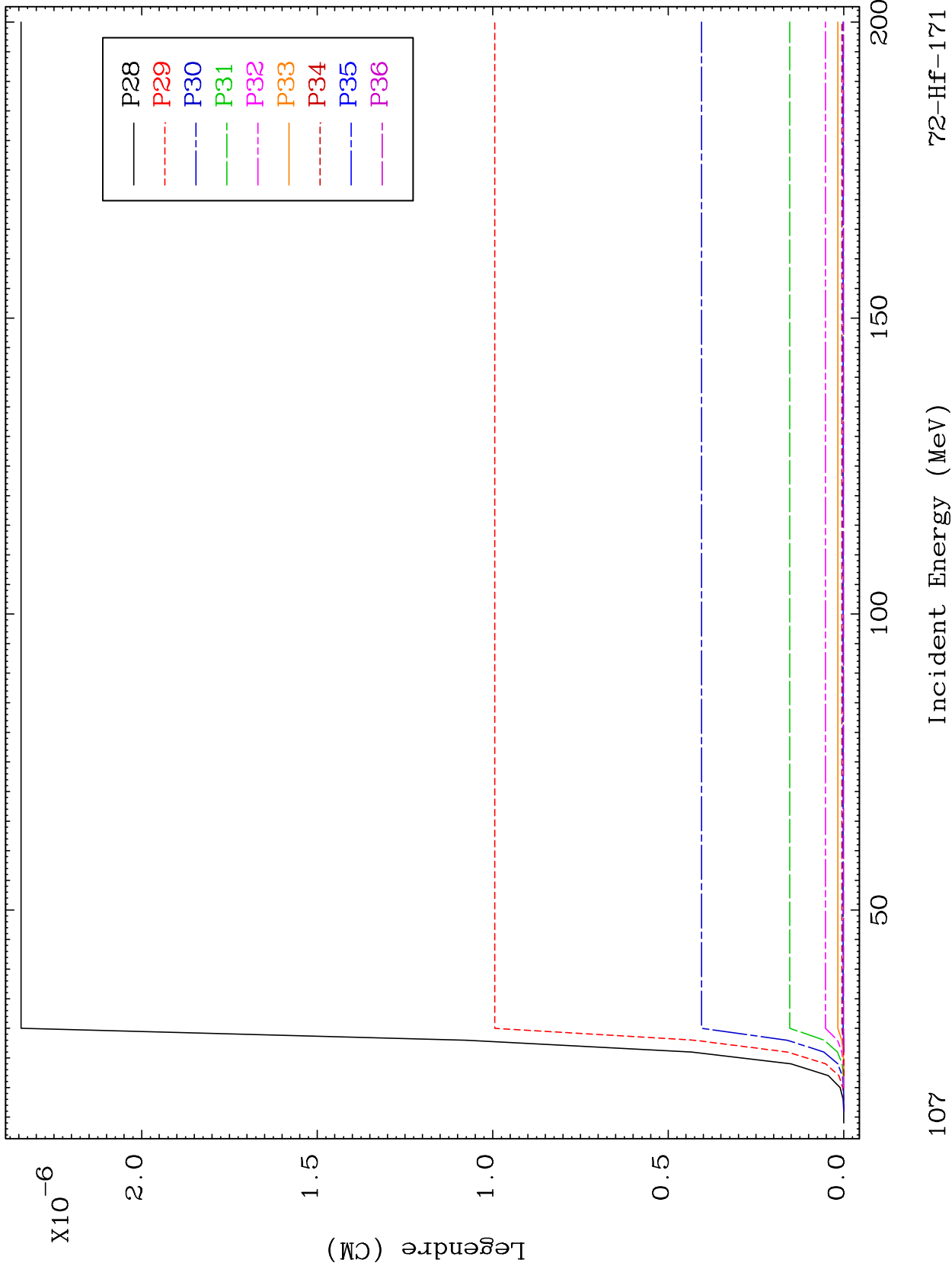


106

MAT 7216

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

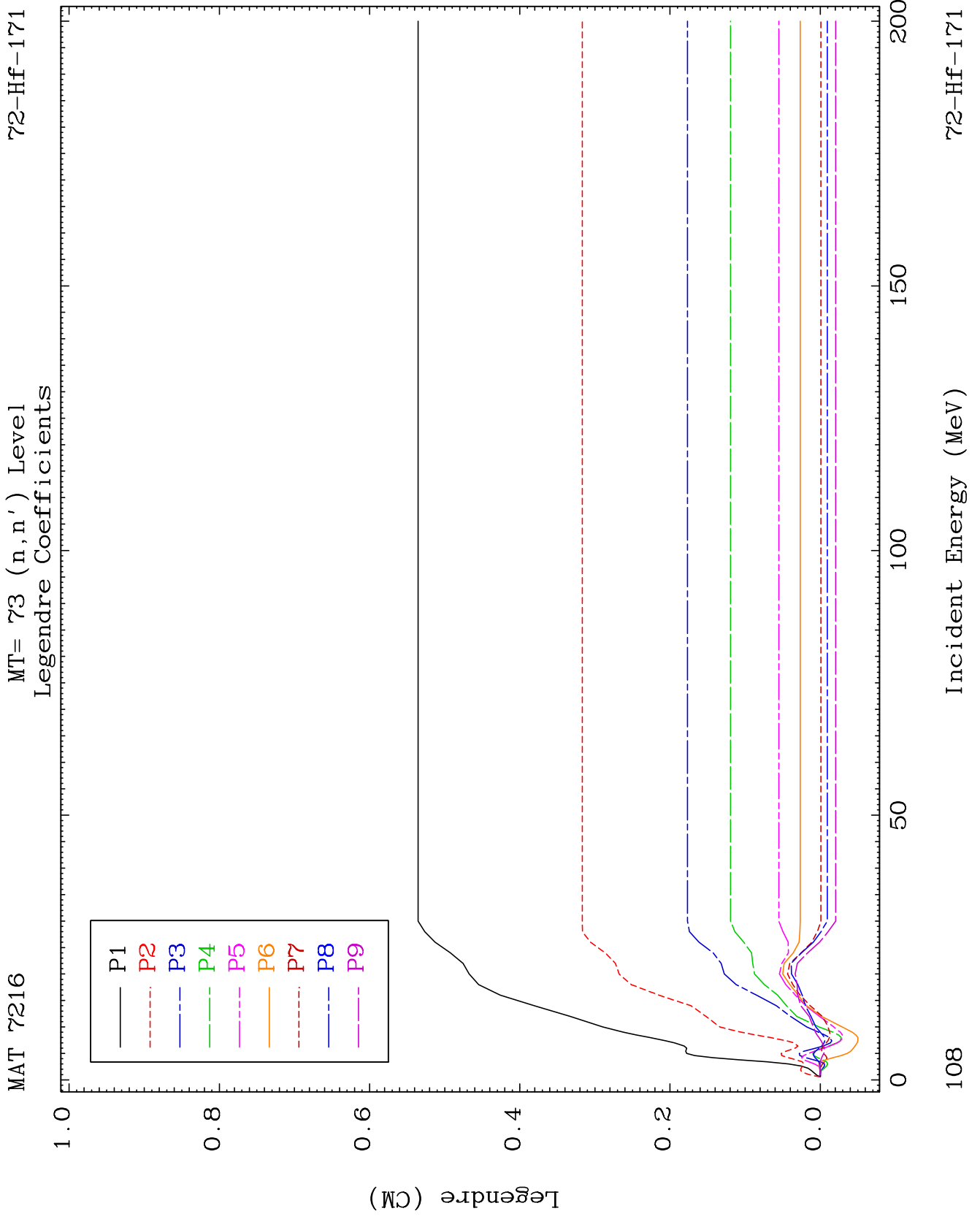
72-Hf-171

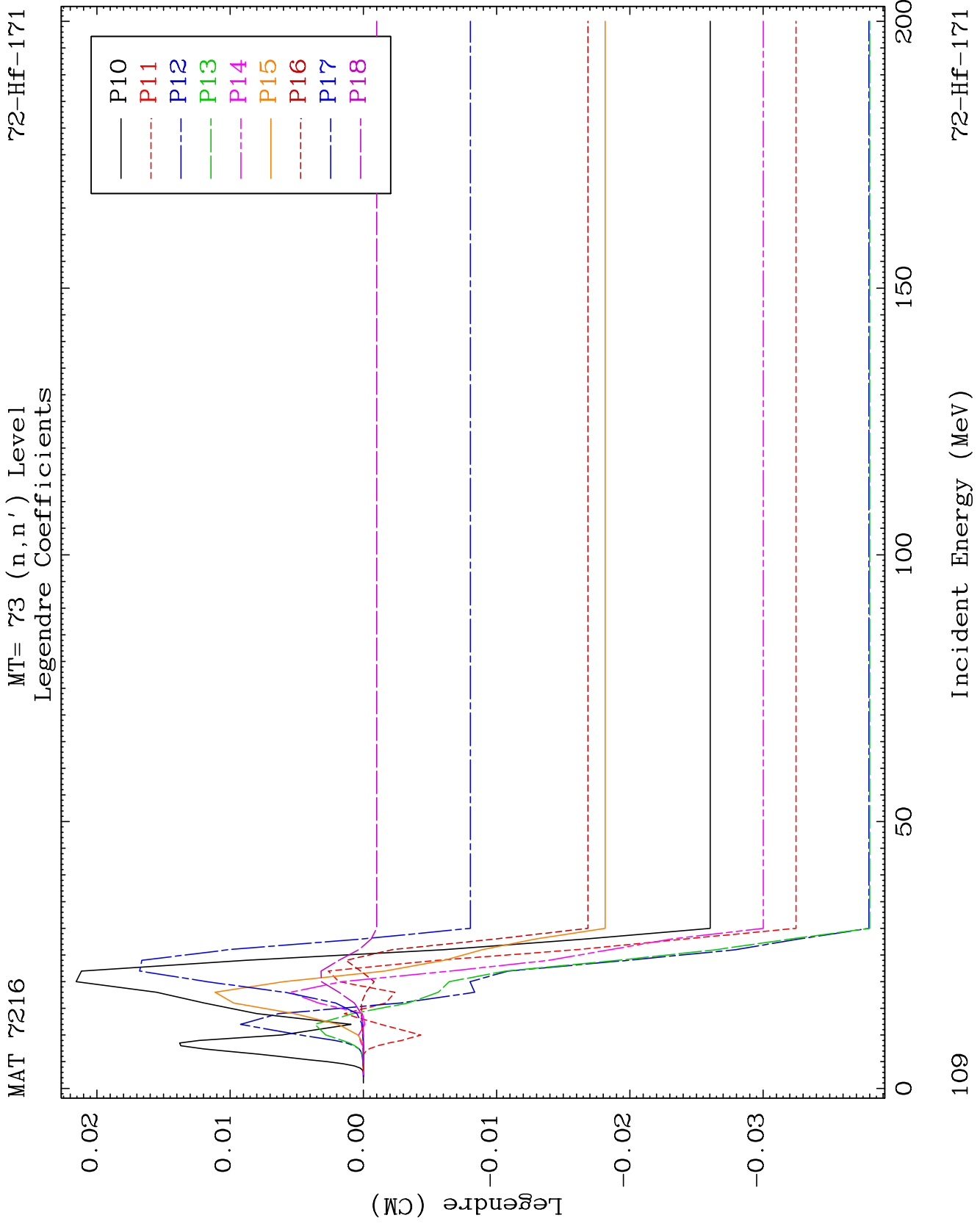


107

Incident Energy (MeV)

72-Hf-171

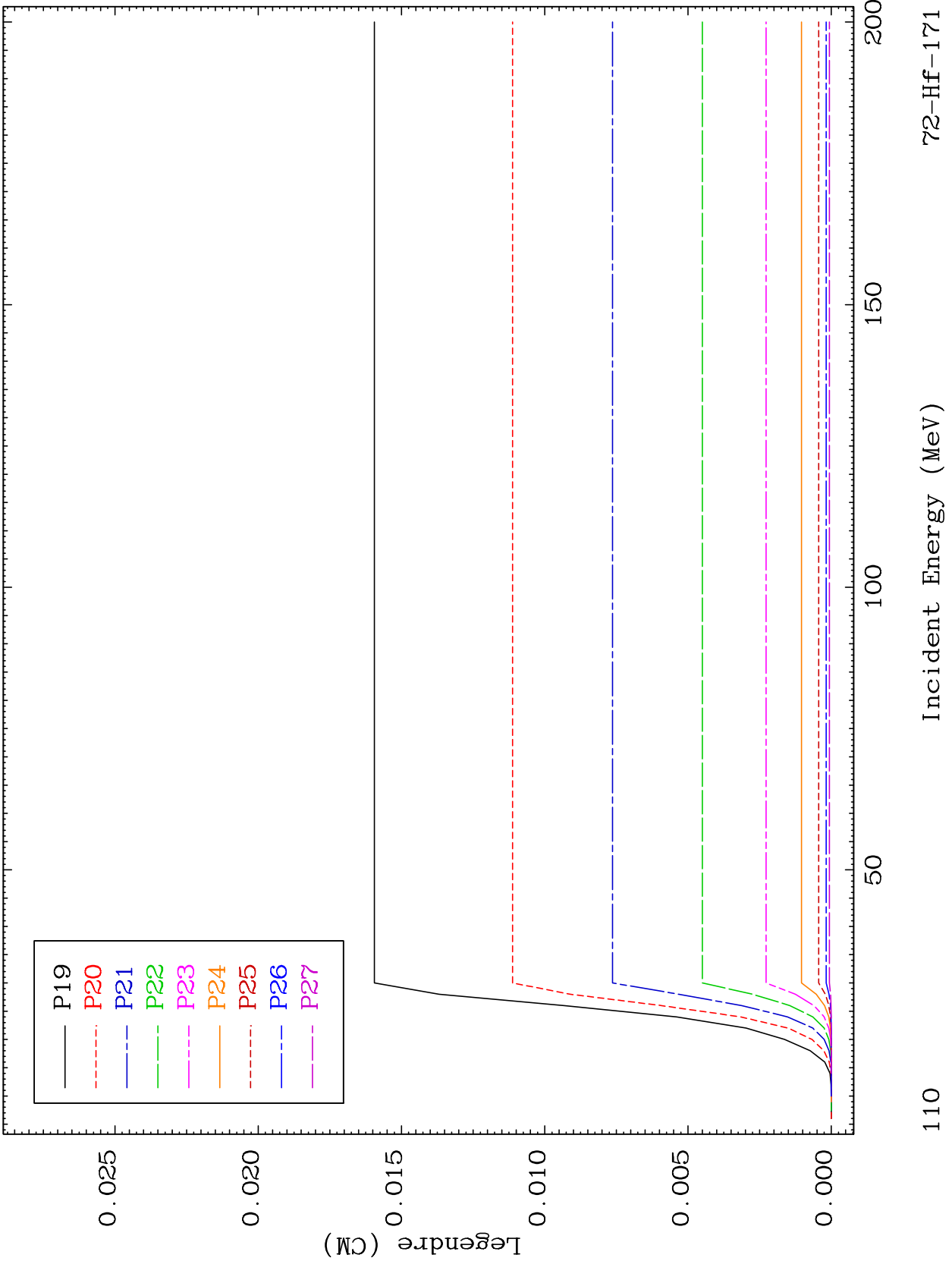




MAT 7216

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

72-Hf-171



110

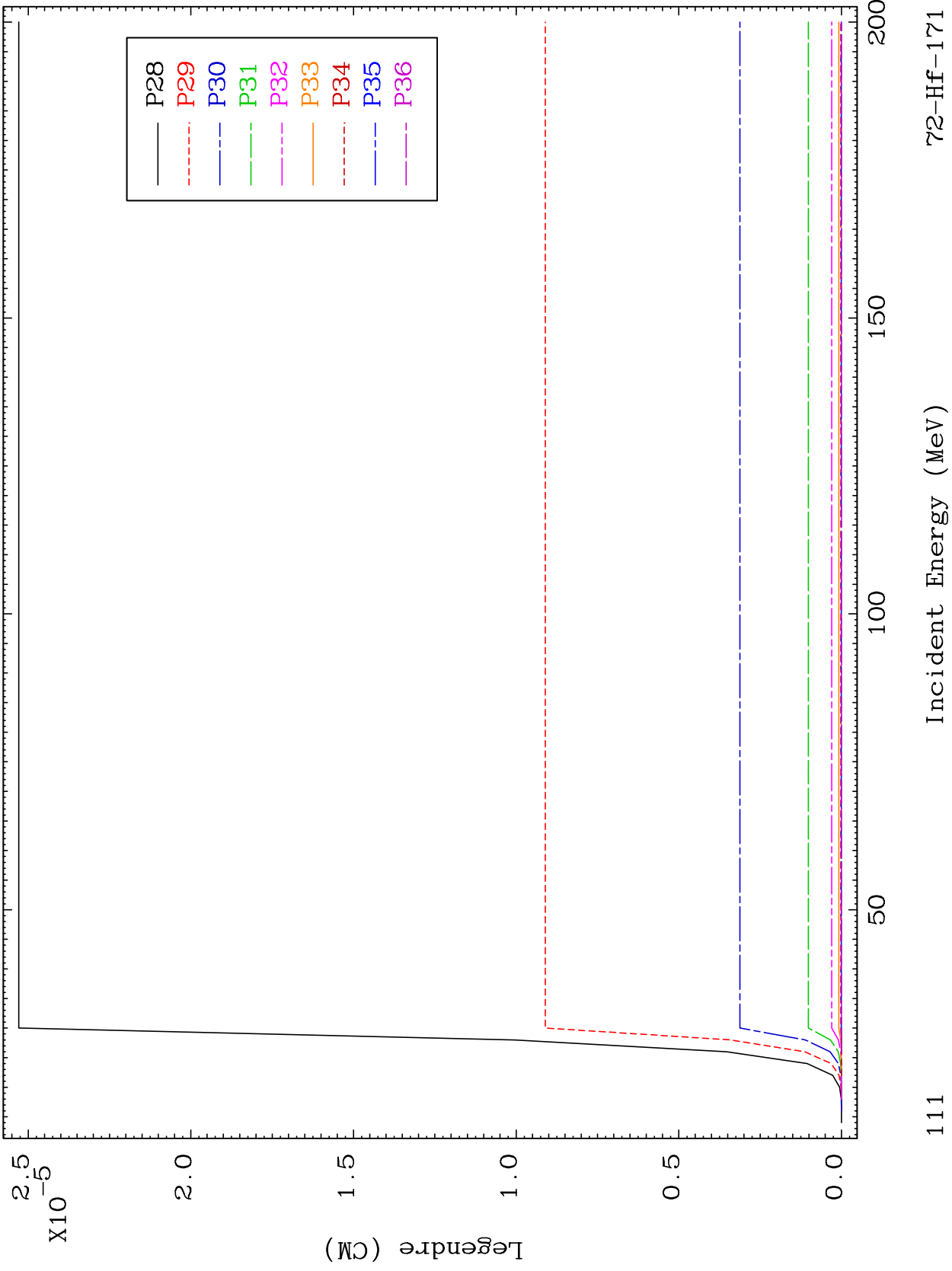
Incident Energy (MeV)

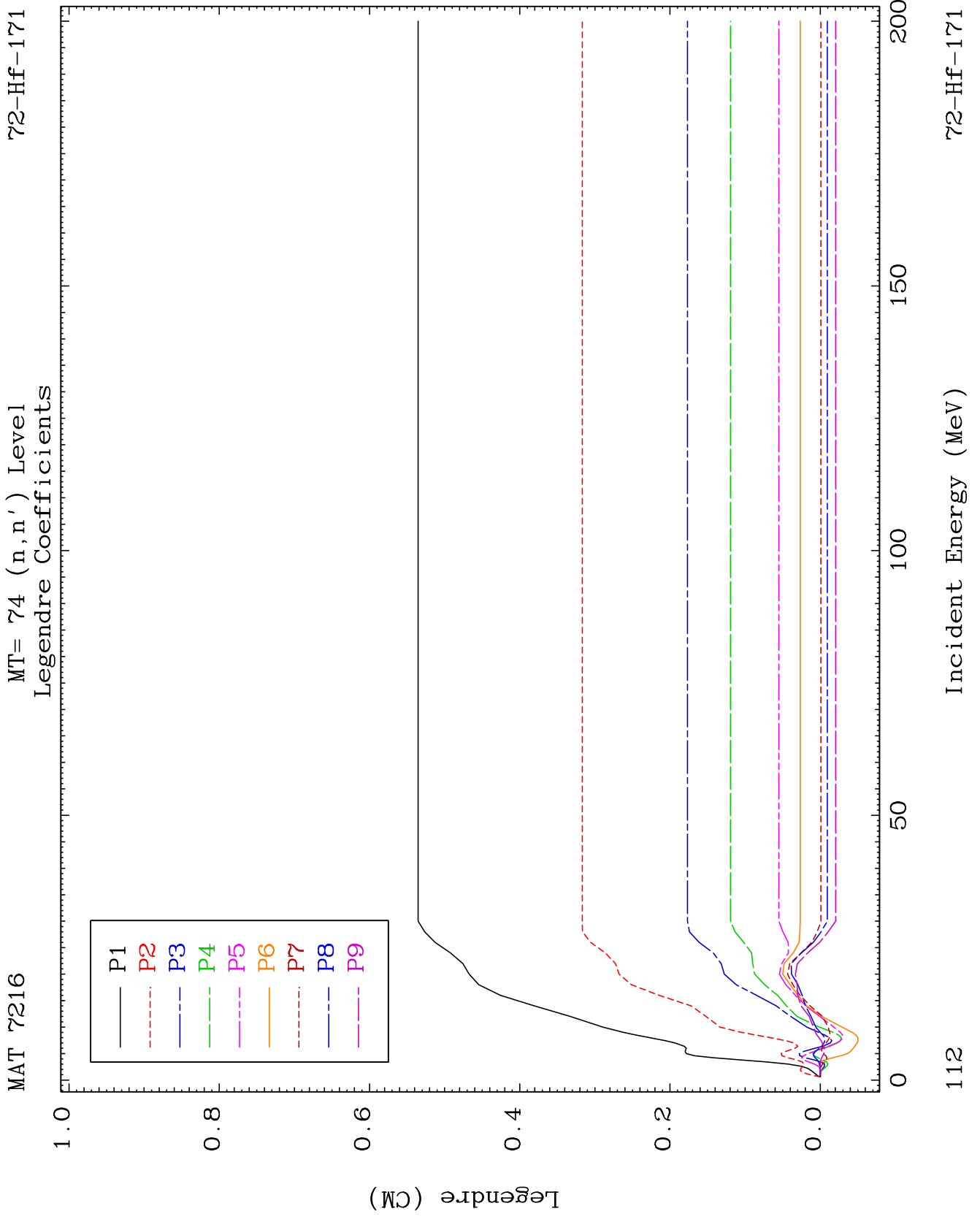
72-Hf-171

MAT 7216

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

72-Hf-171

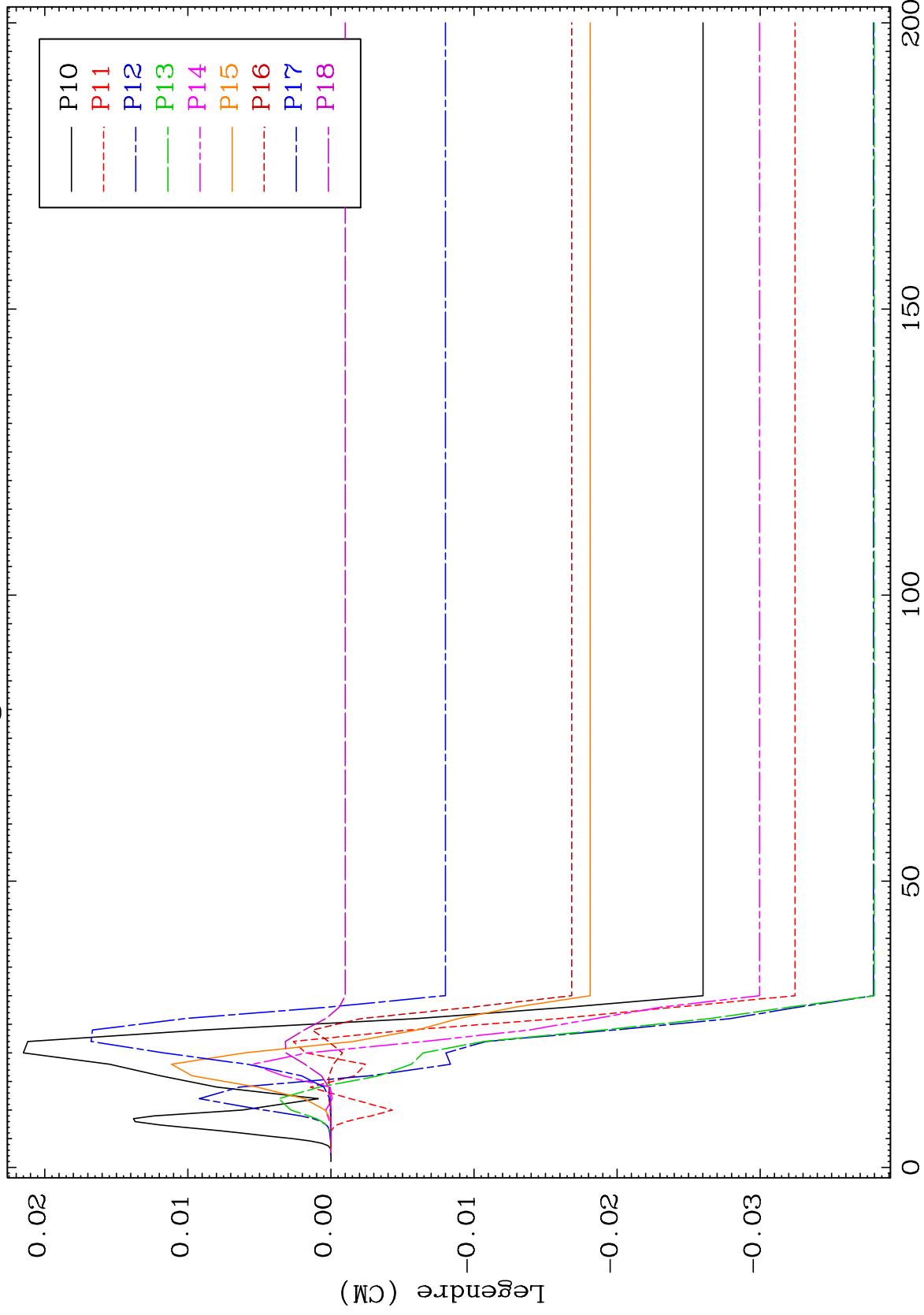




MAT 7216

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

72-Hf-171



113

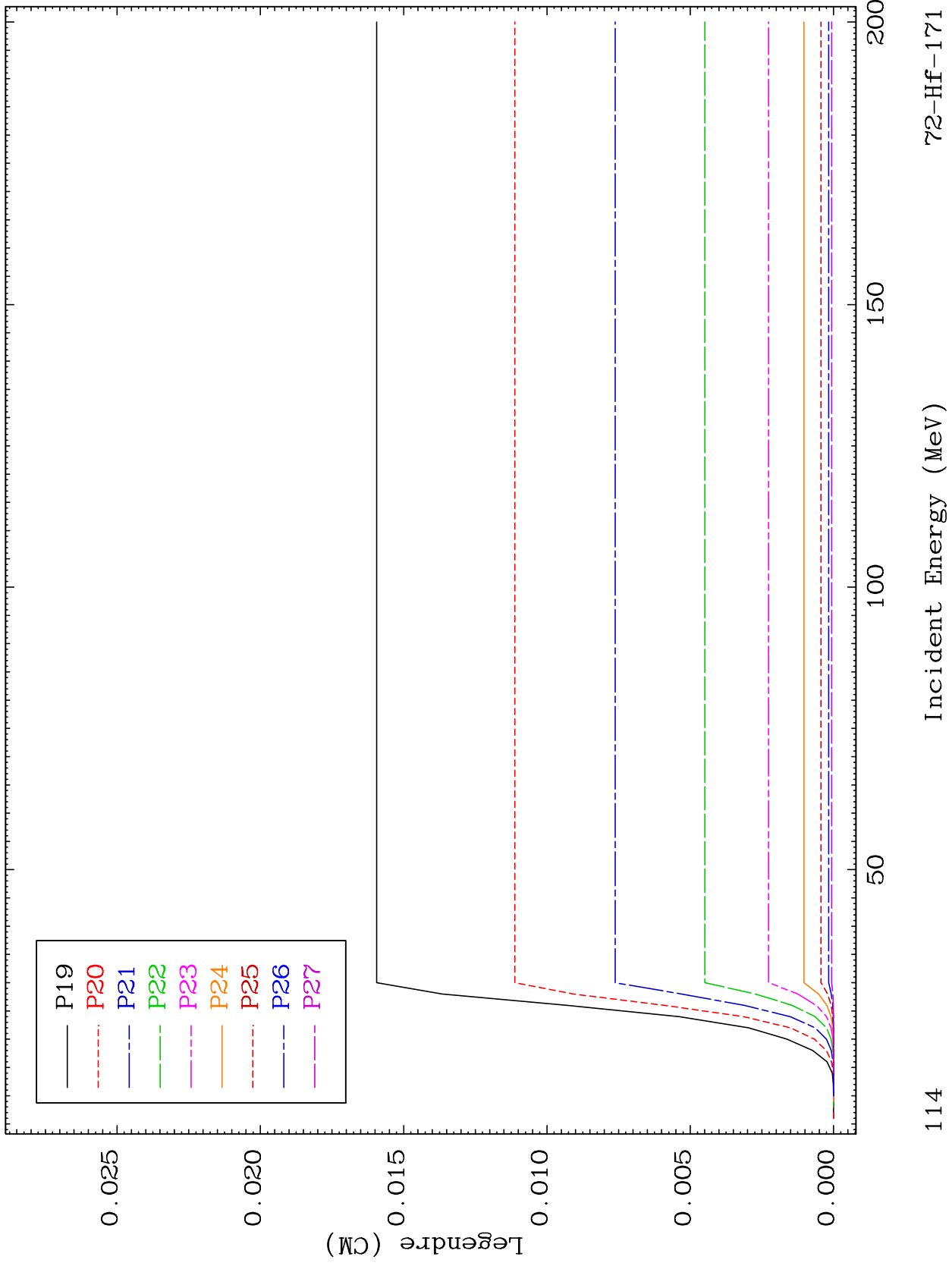
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



114

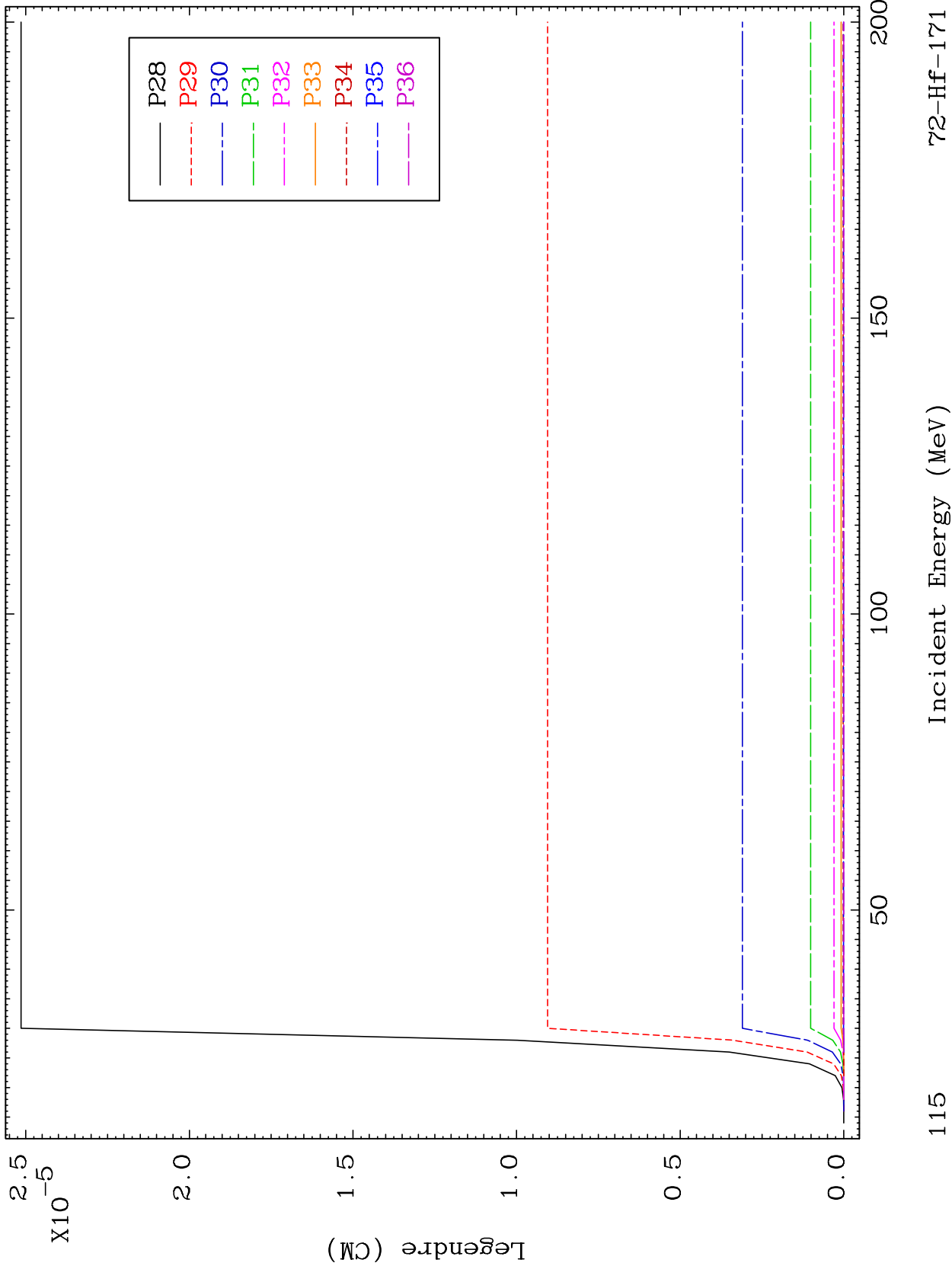
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

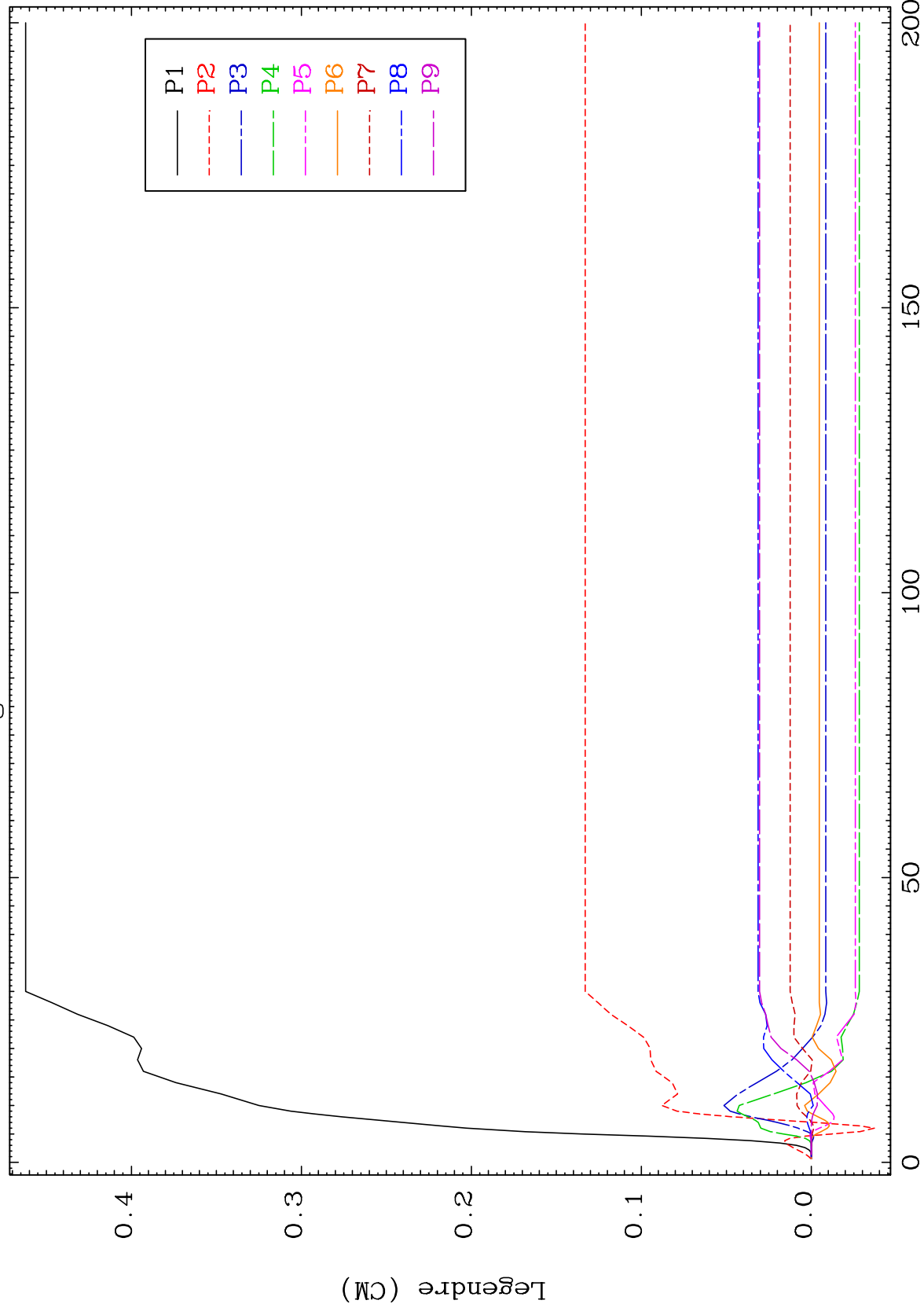
72-Hf-171



MAT 7216

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

72-Hf-171



72-Hf-171

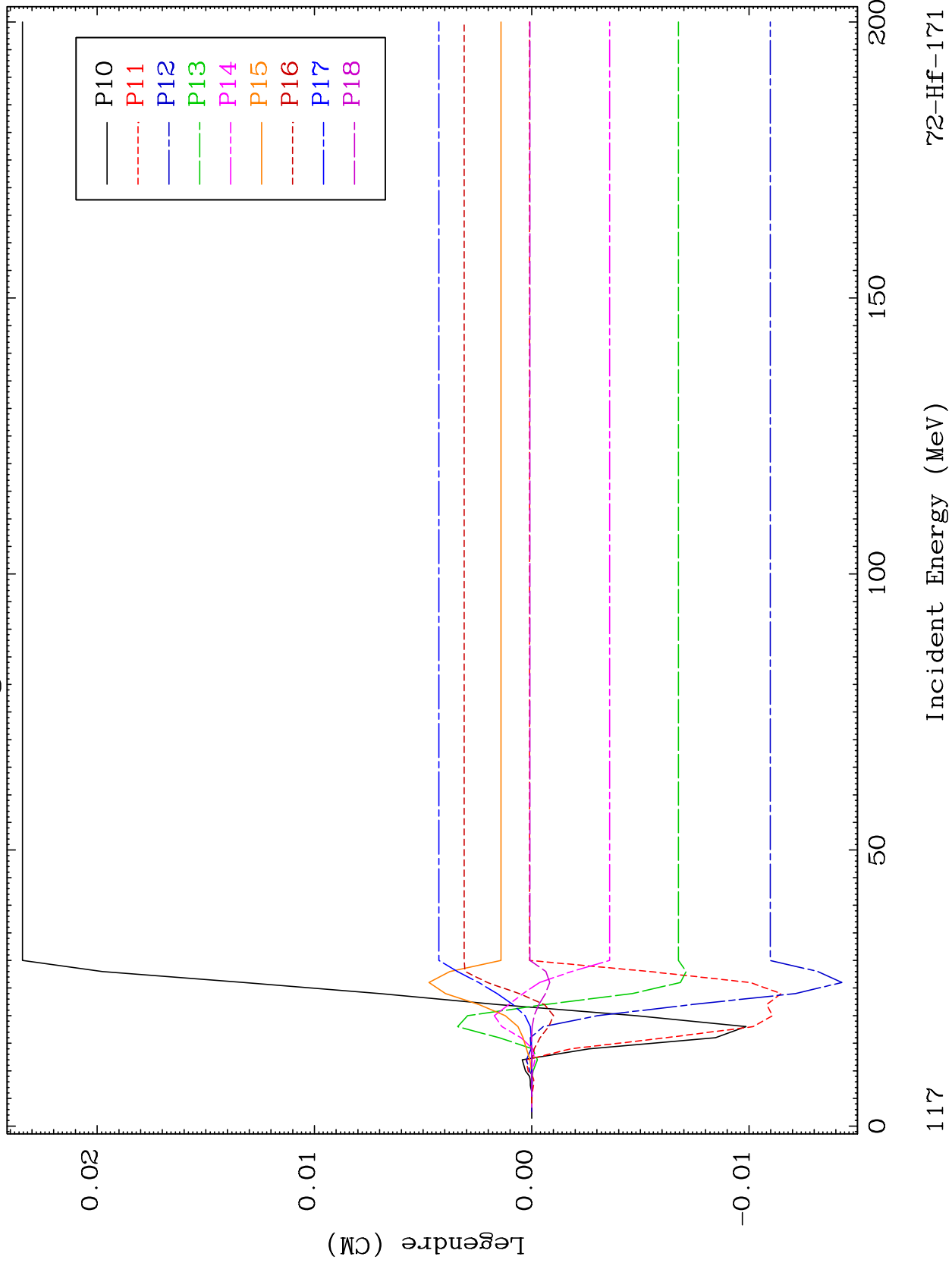
Incident Energy (MeV)

116

MAT 7216

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

72-Hf-171



72-Hf-171

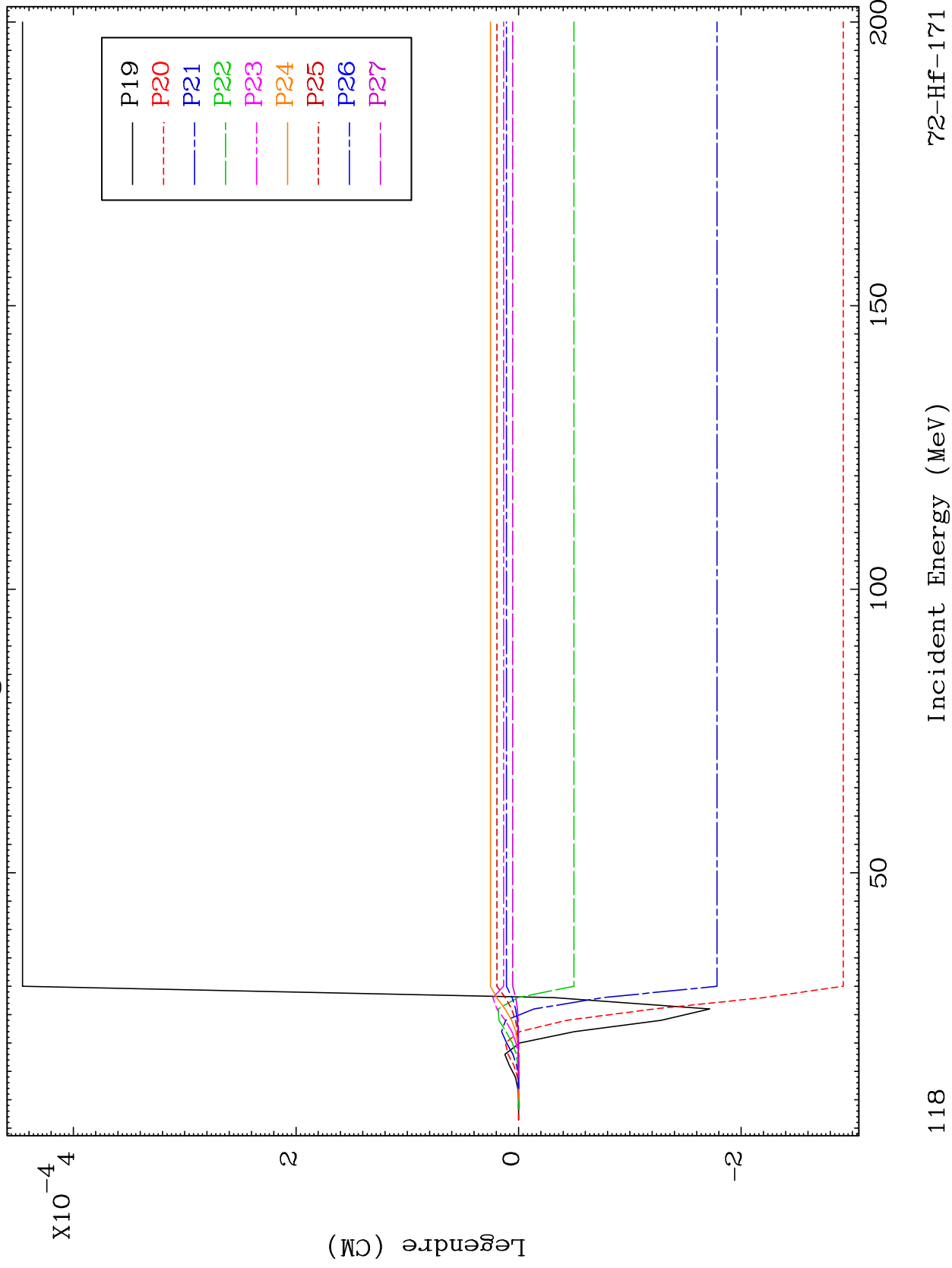
Incident Energy (MeV)

117

MAT 7216

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

72-Hf-171



118

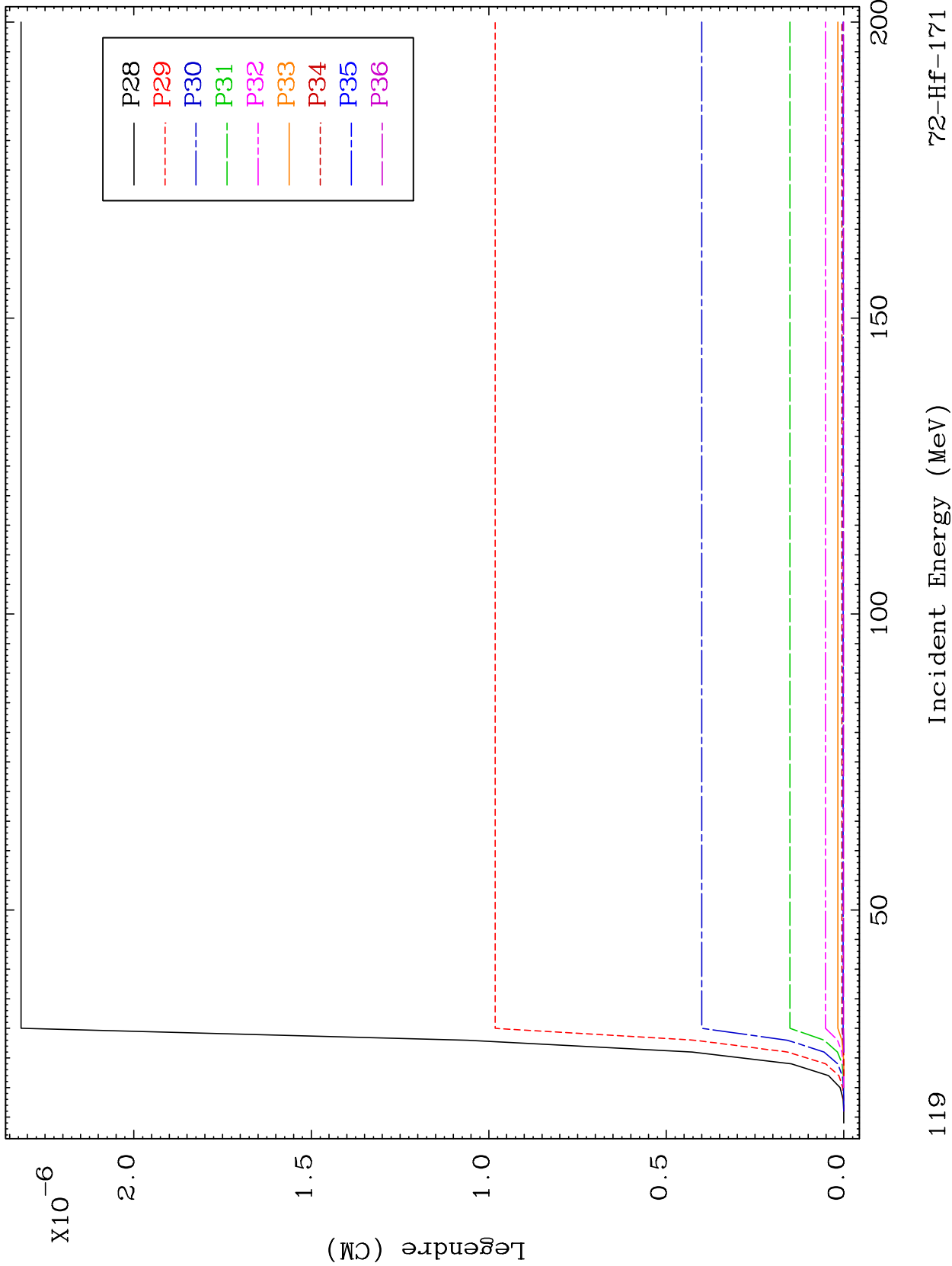
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171

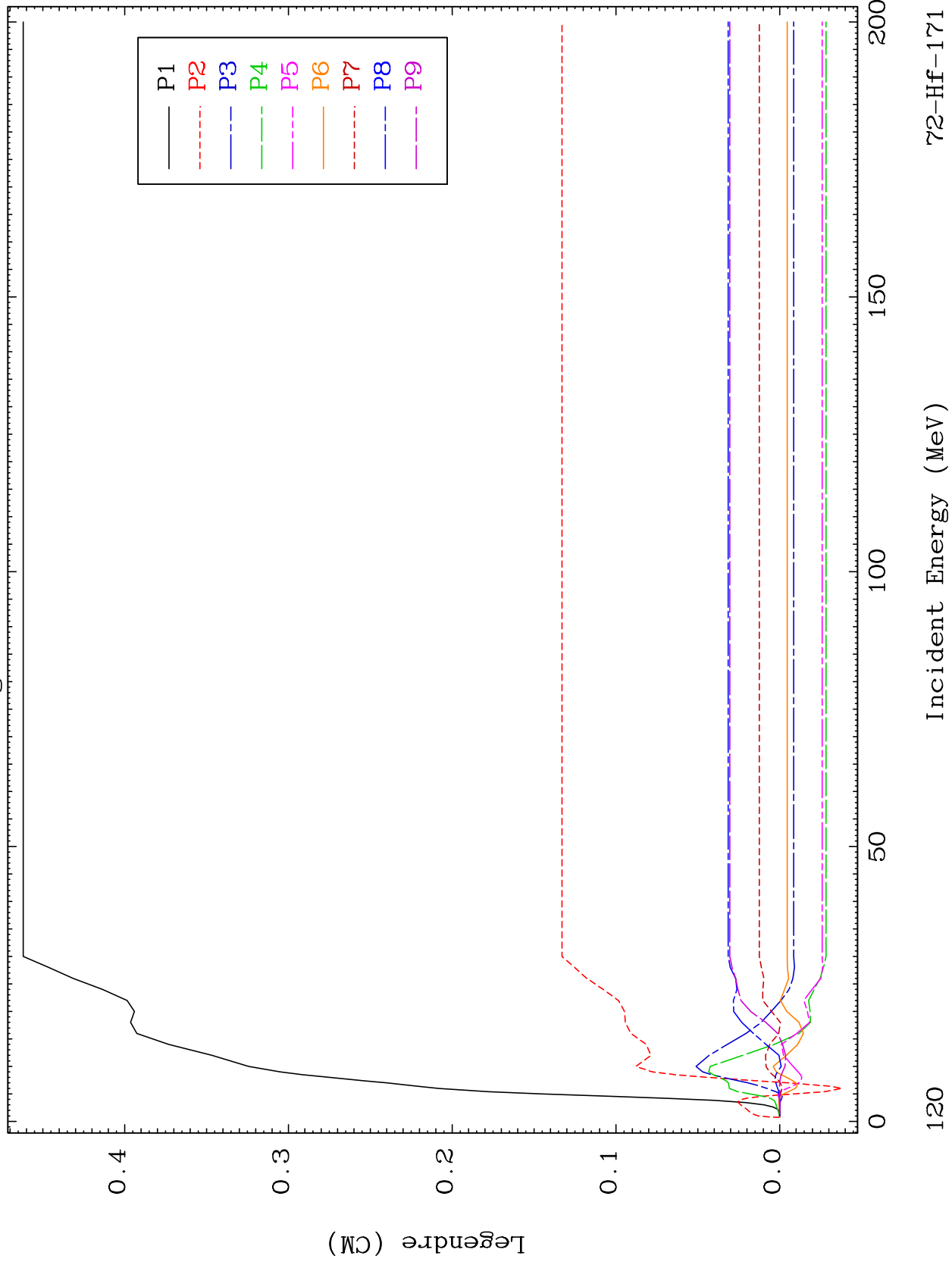


119

MAT 7216

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

72-Hf-171



72-Hf-171

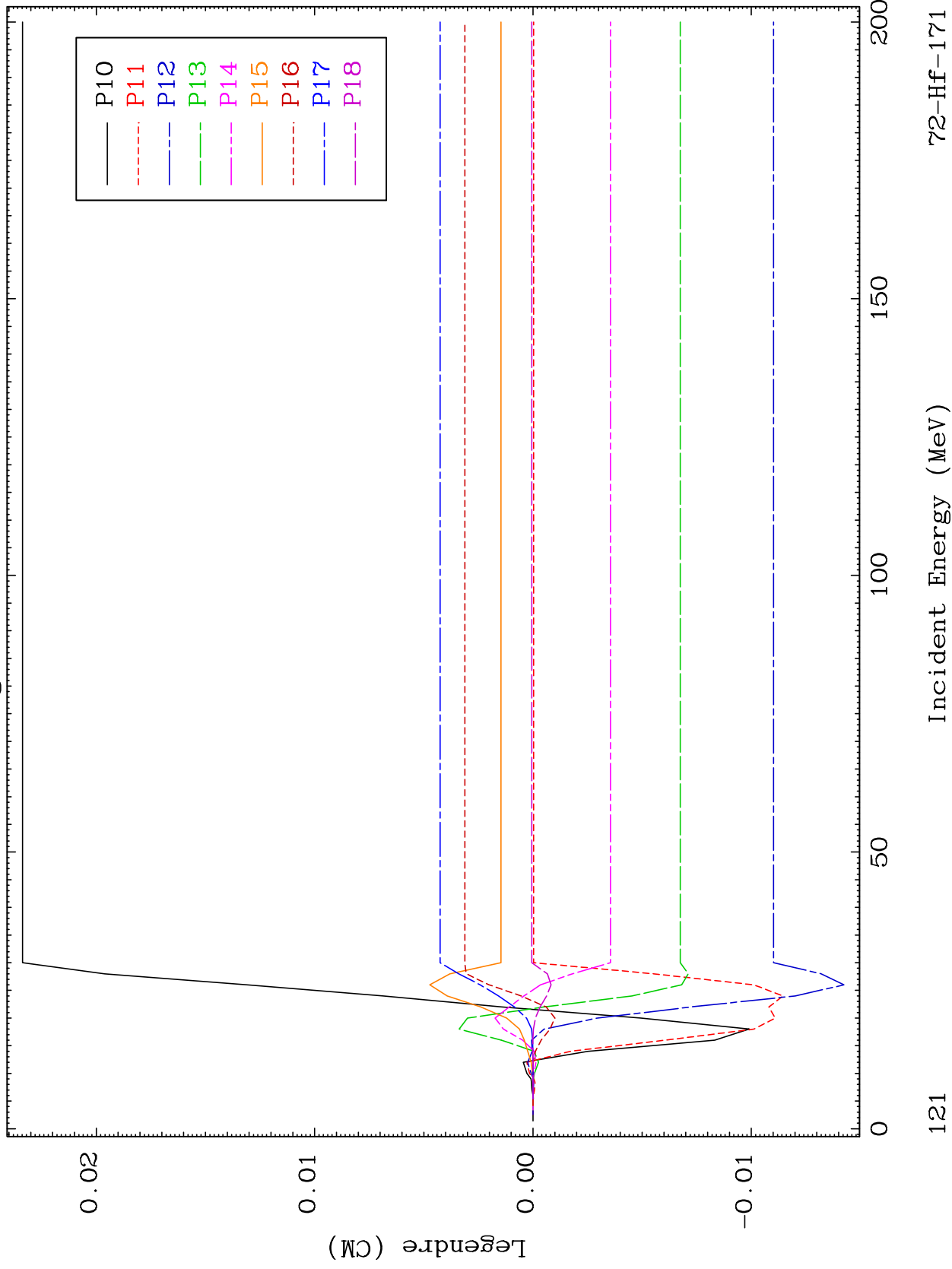
Incident Energy (MeV)

120

MAT 7216

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

72-Hf-171



72-Hf-171

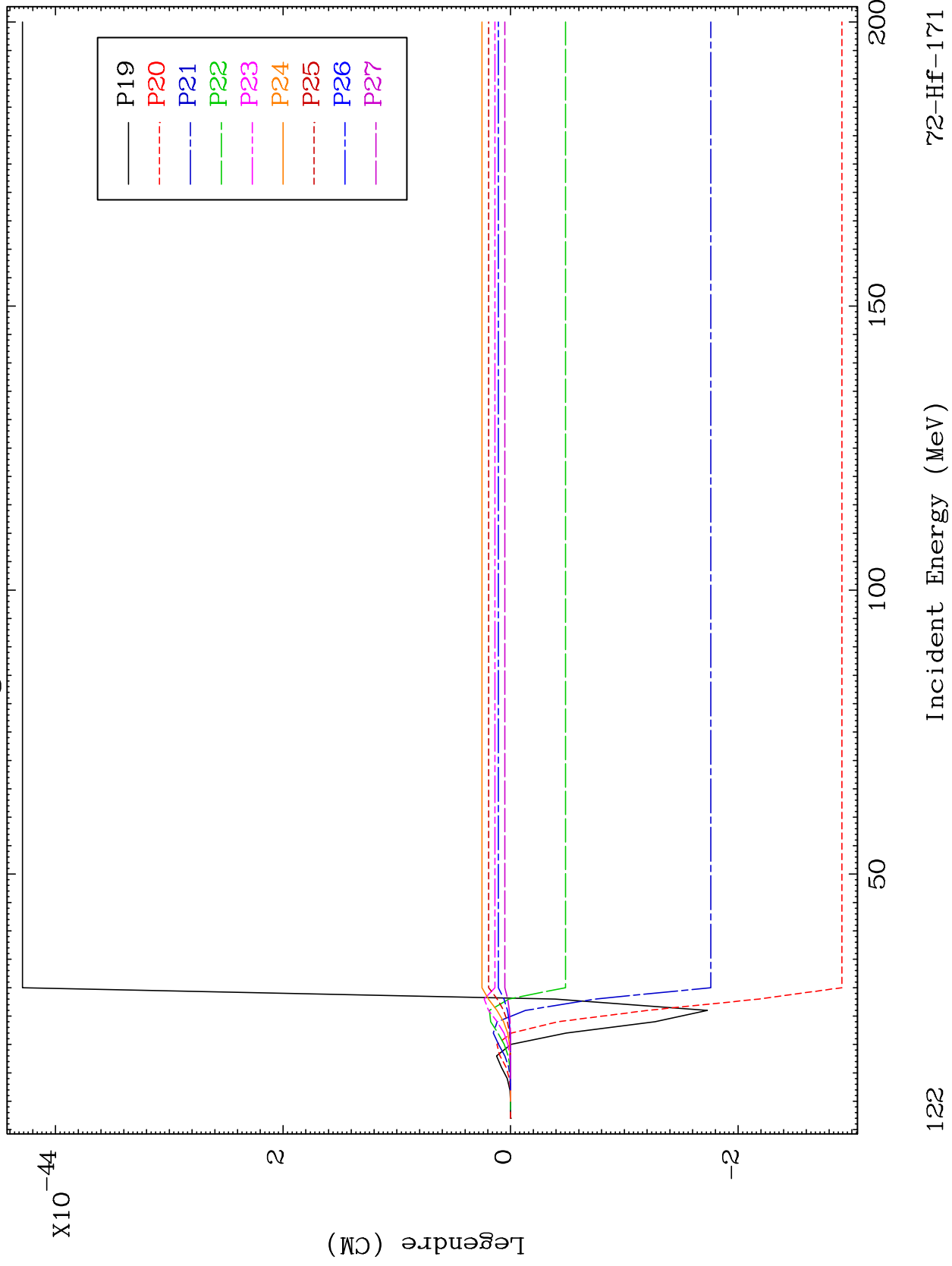
Incident Energy (MeV)

121

MAT 7216

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

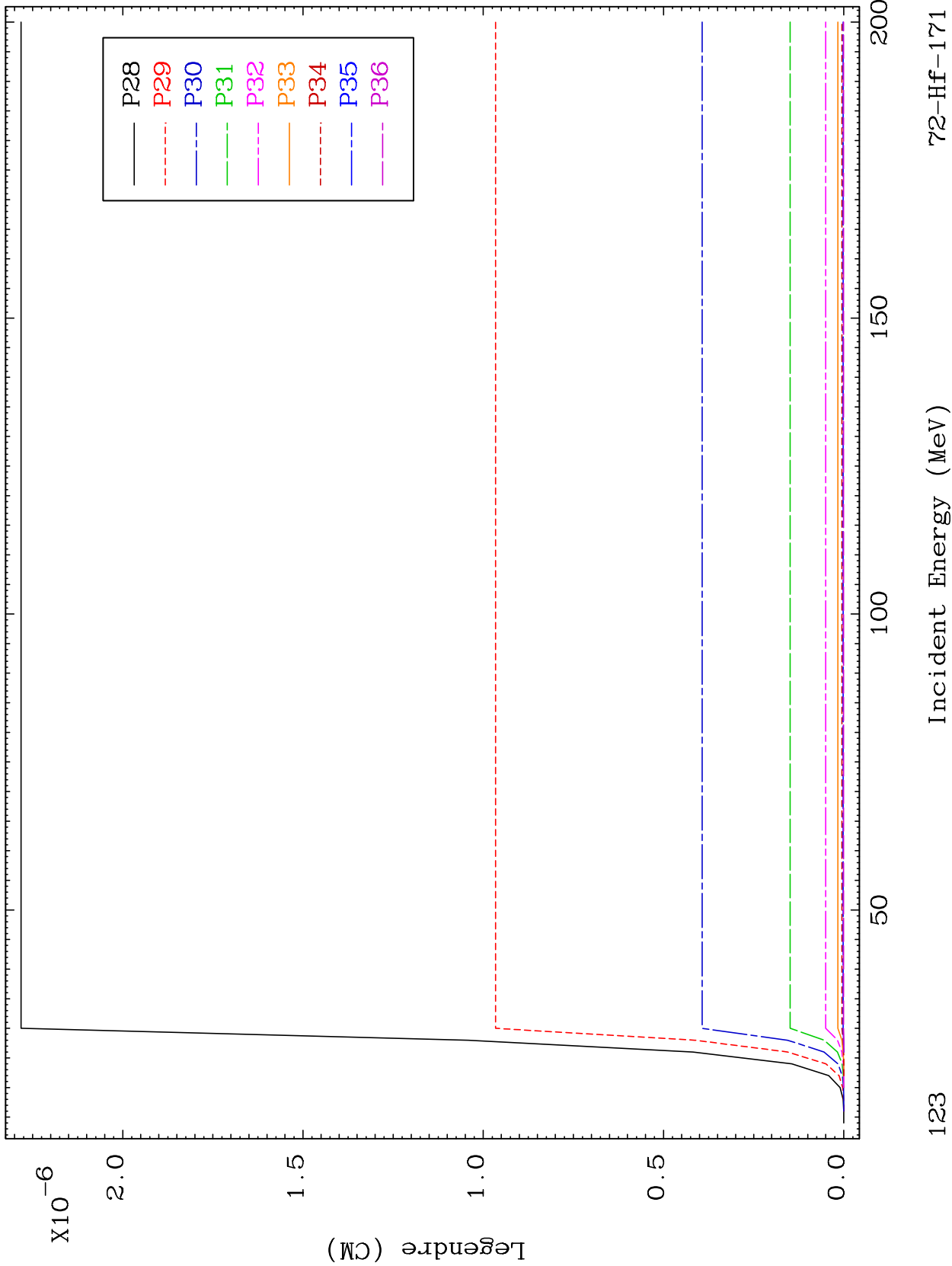
72-Hf-171



MAT 7216

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

72-Hf-171

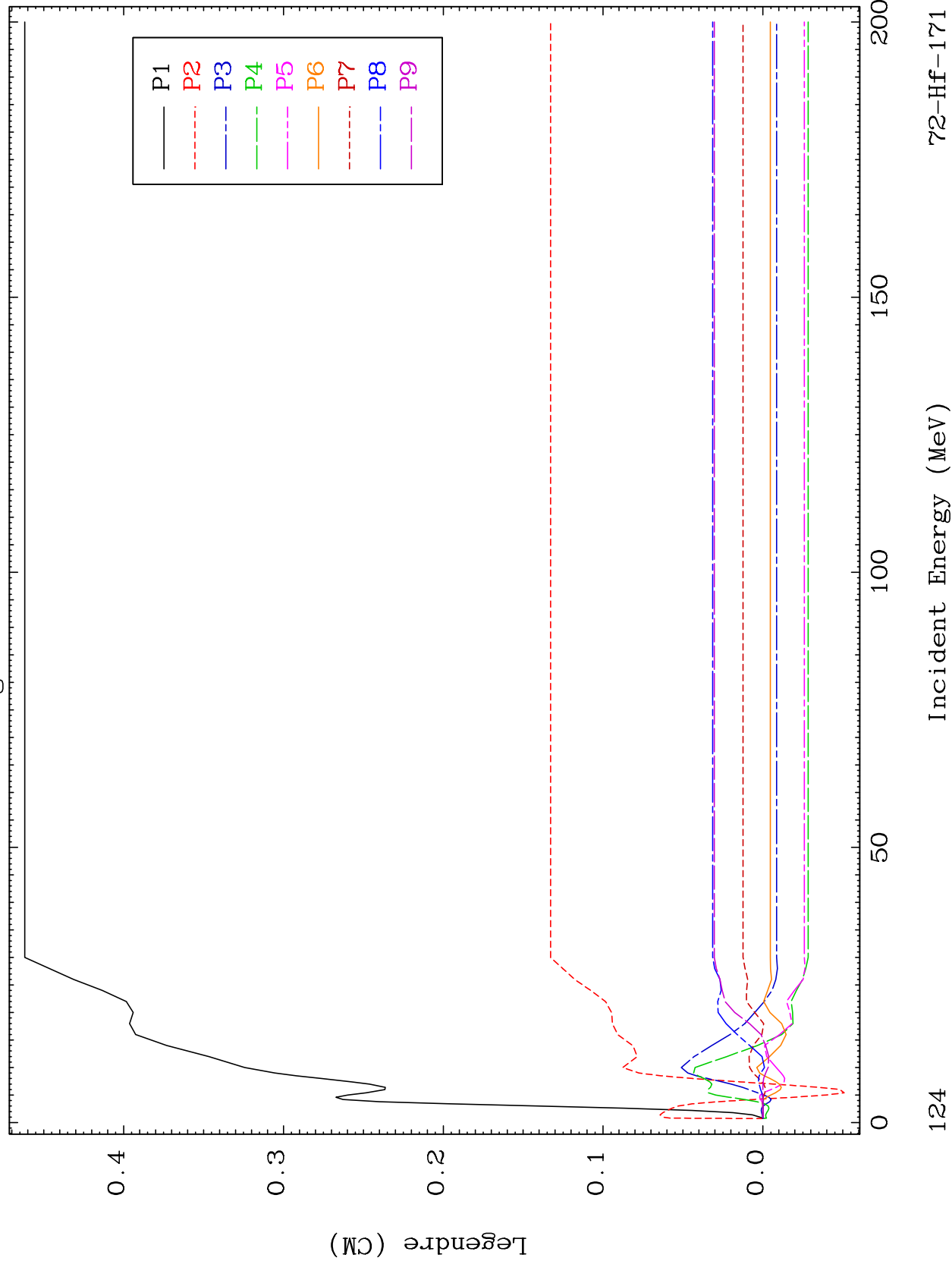


123

MAT 7216

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

72-Hf-171



124

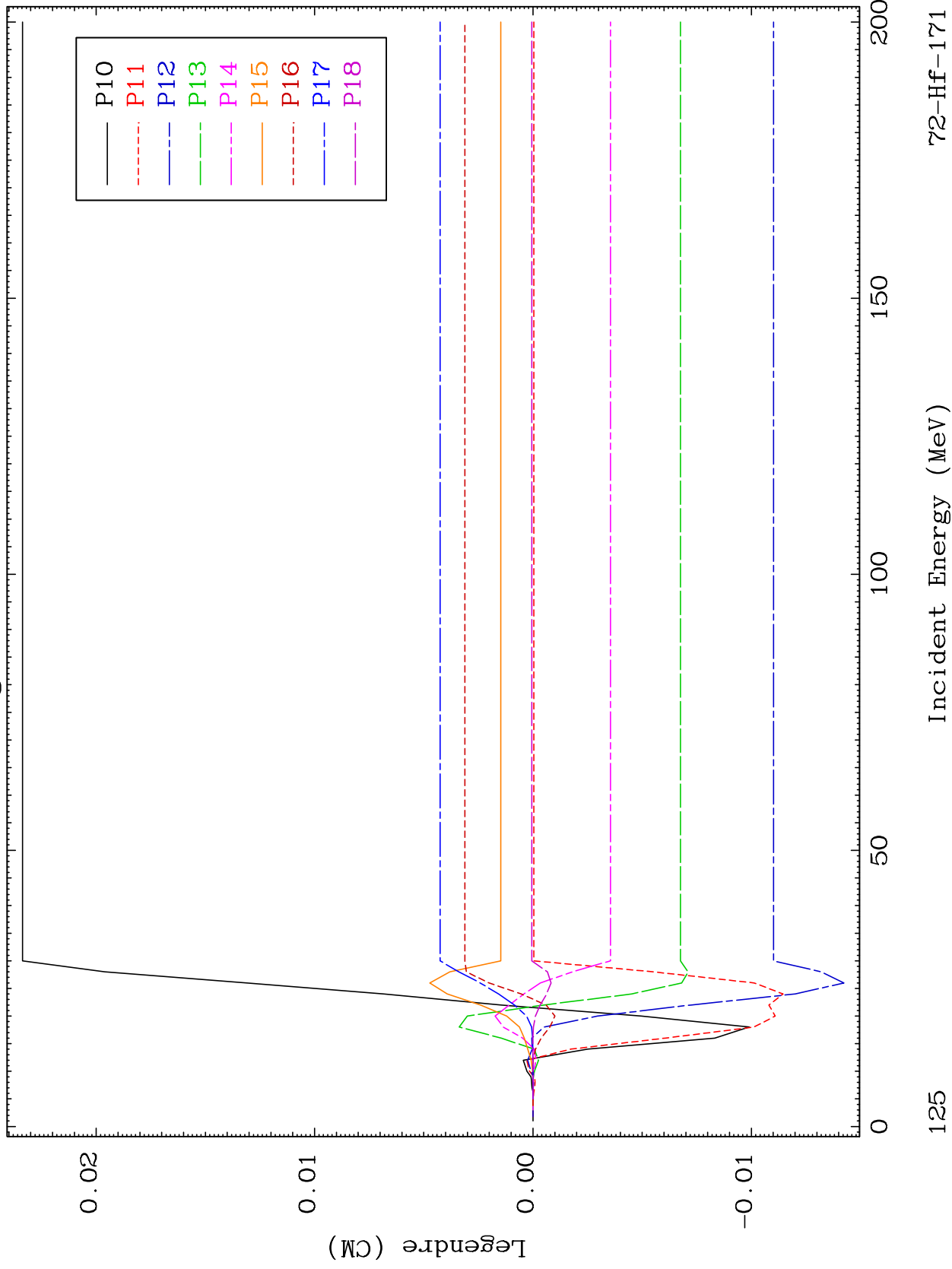
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

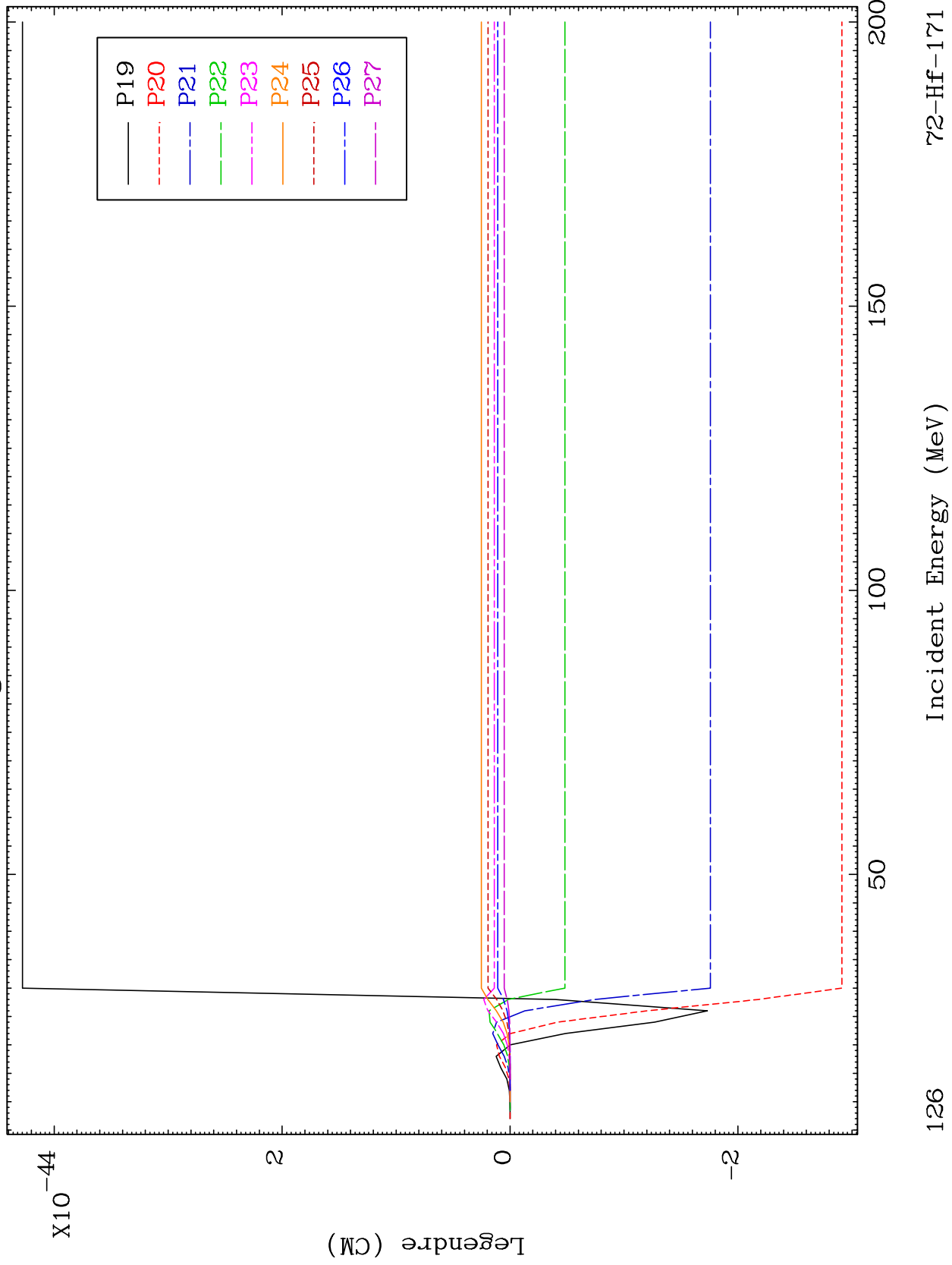
72-Hf-171



MAT 7216

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

72-Hf-171



126

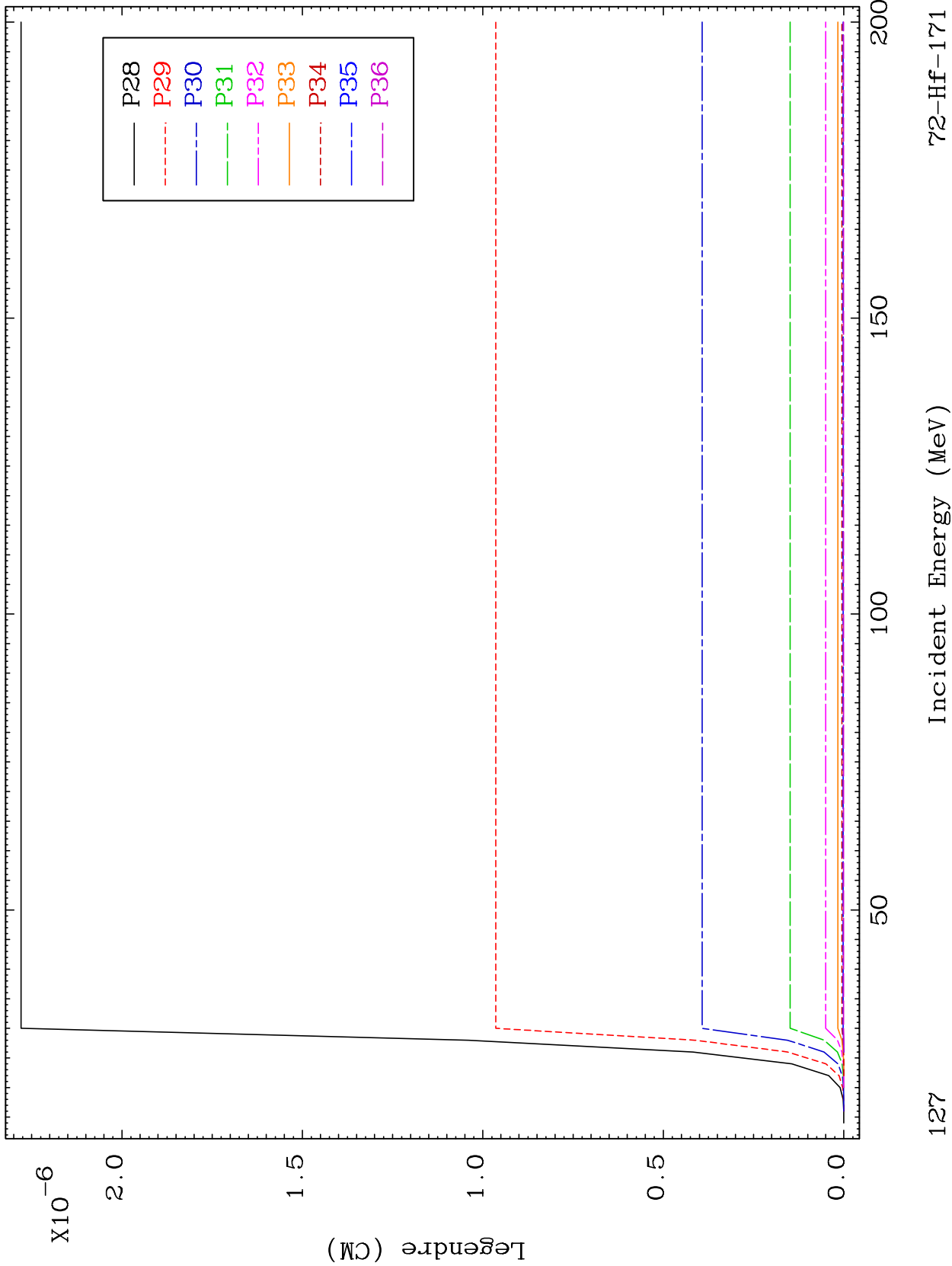
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171

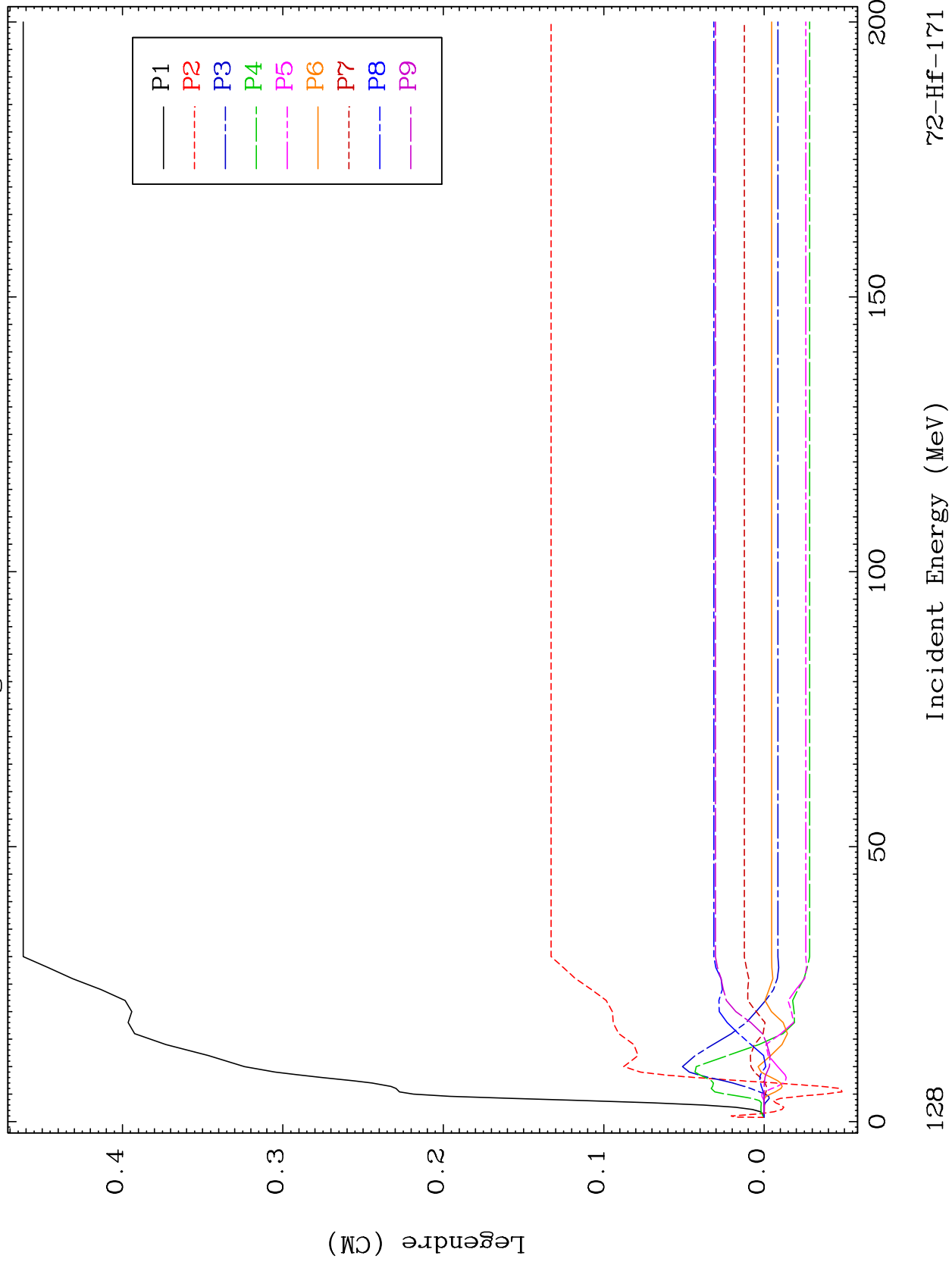


127

MAT 7216

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

72-Hf-171



72-Hf-171

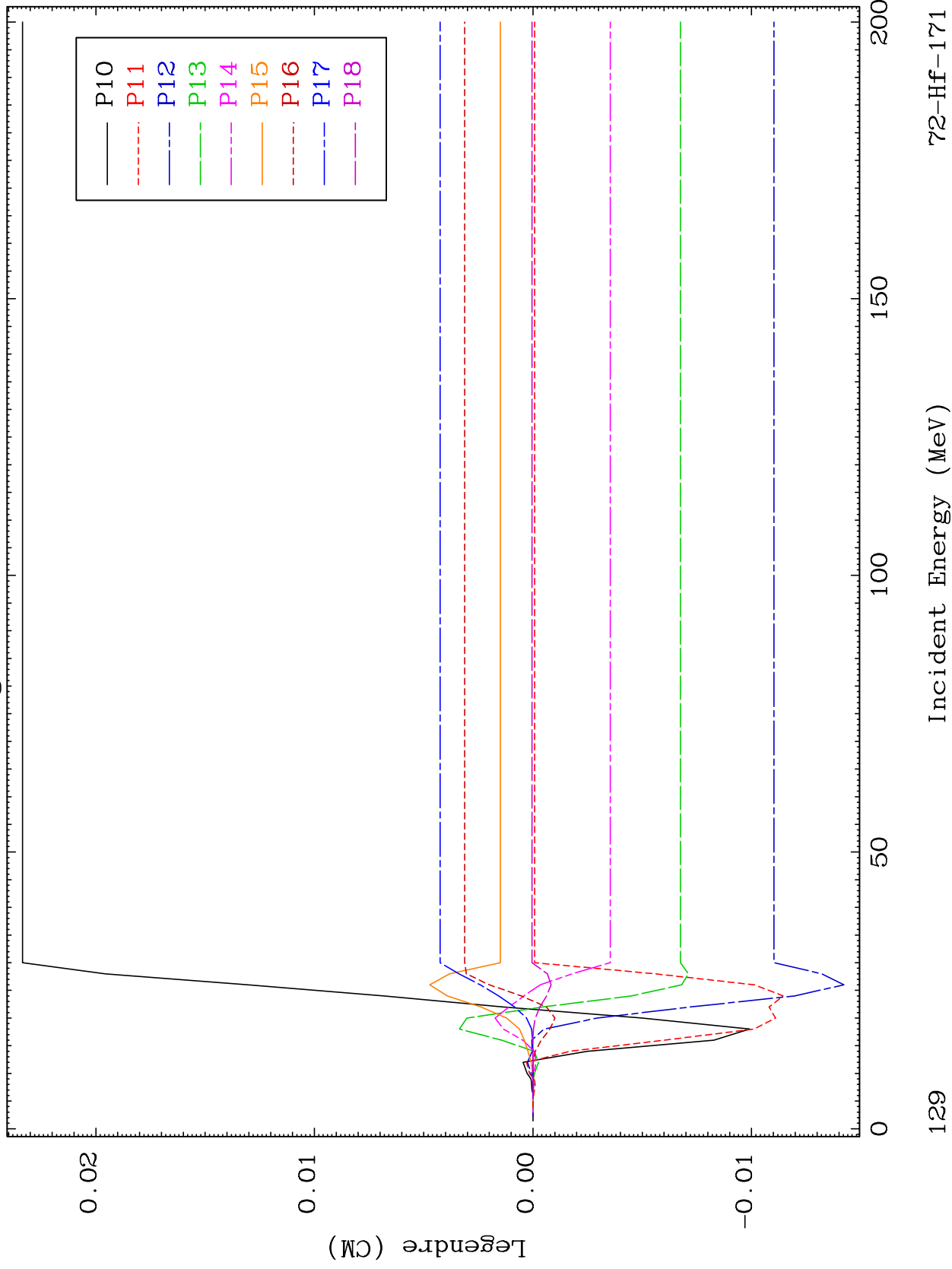
Incident Energy (MeV)

128

MAT 7216

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

72-Hf-171



72-Hf-171

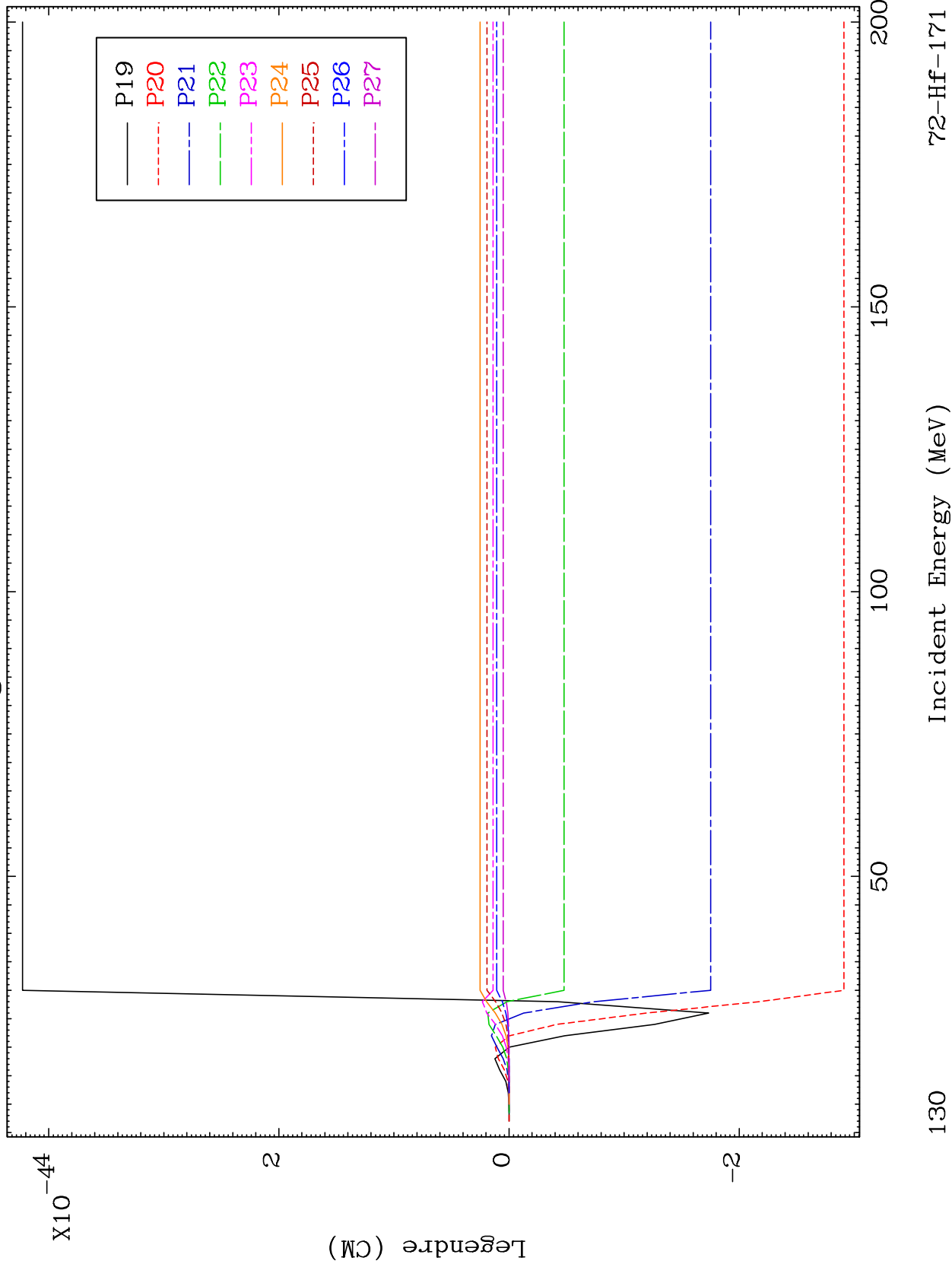
Incident Energy (MeV)

129

MAT 7216

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

72-Hf-171



130

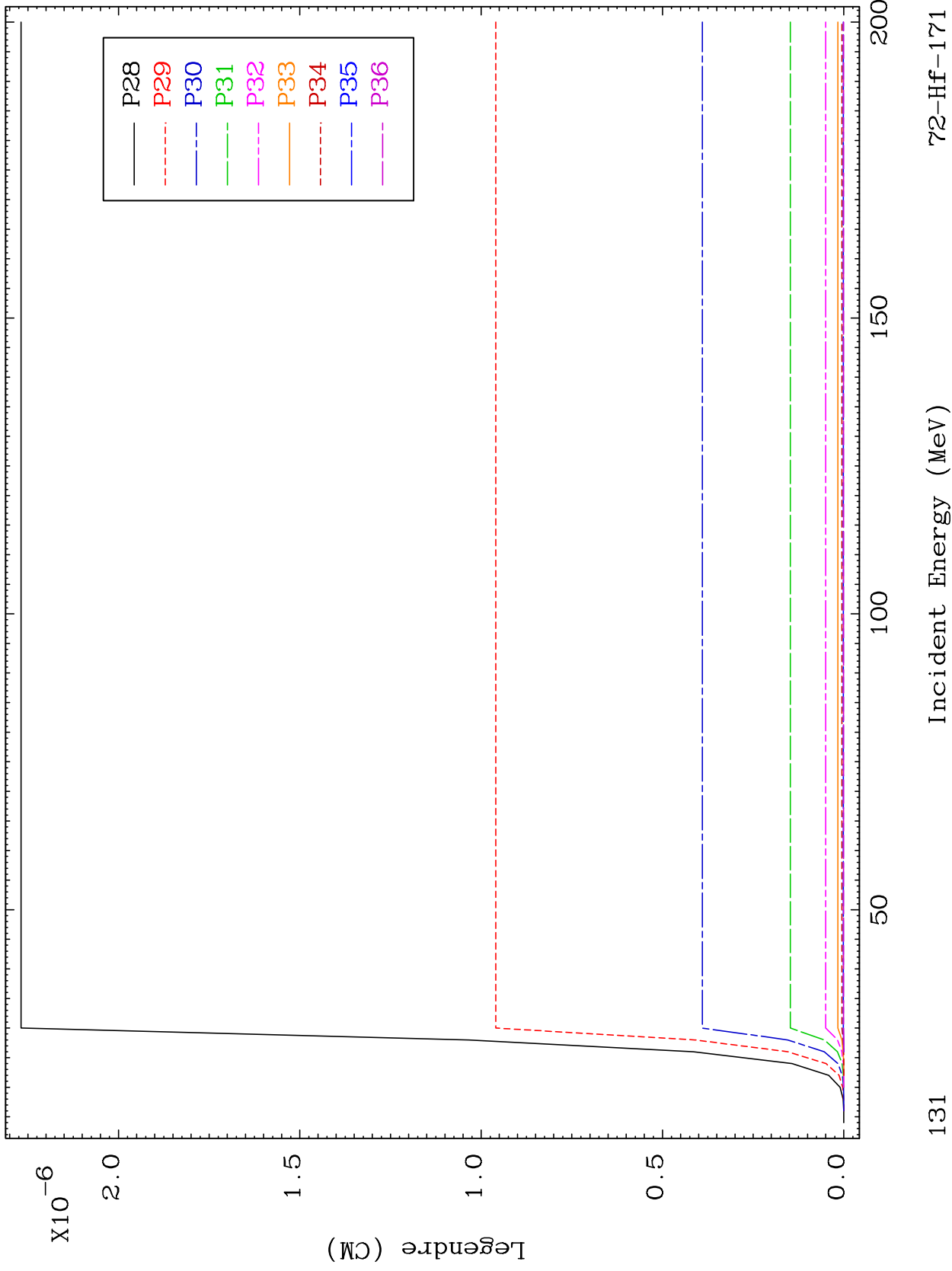
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



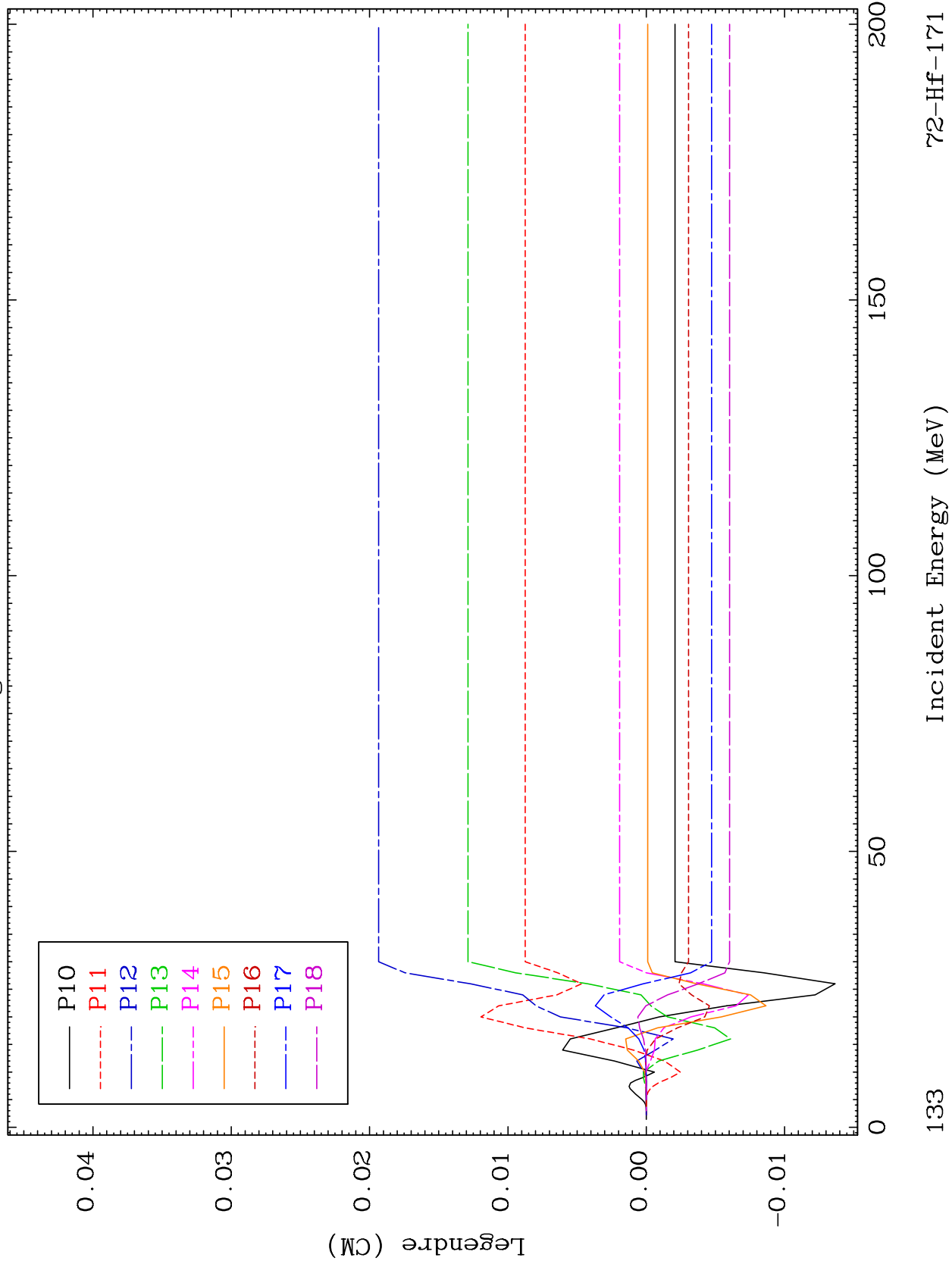
131

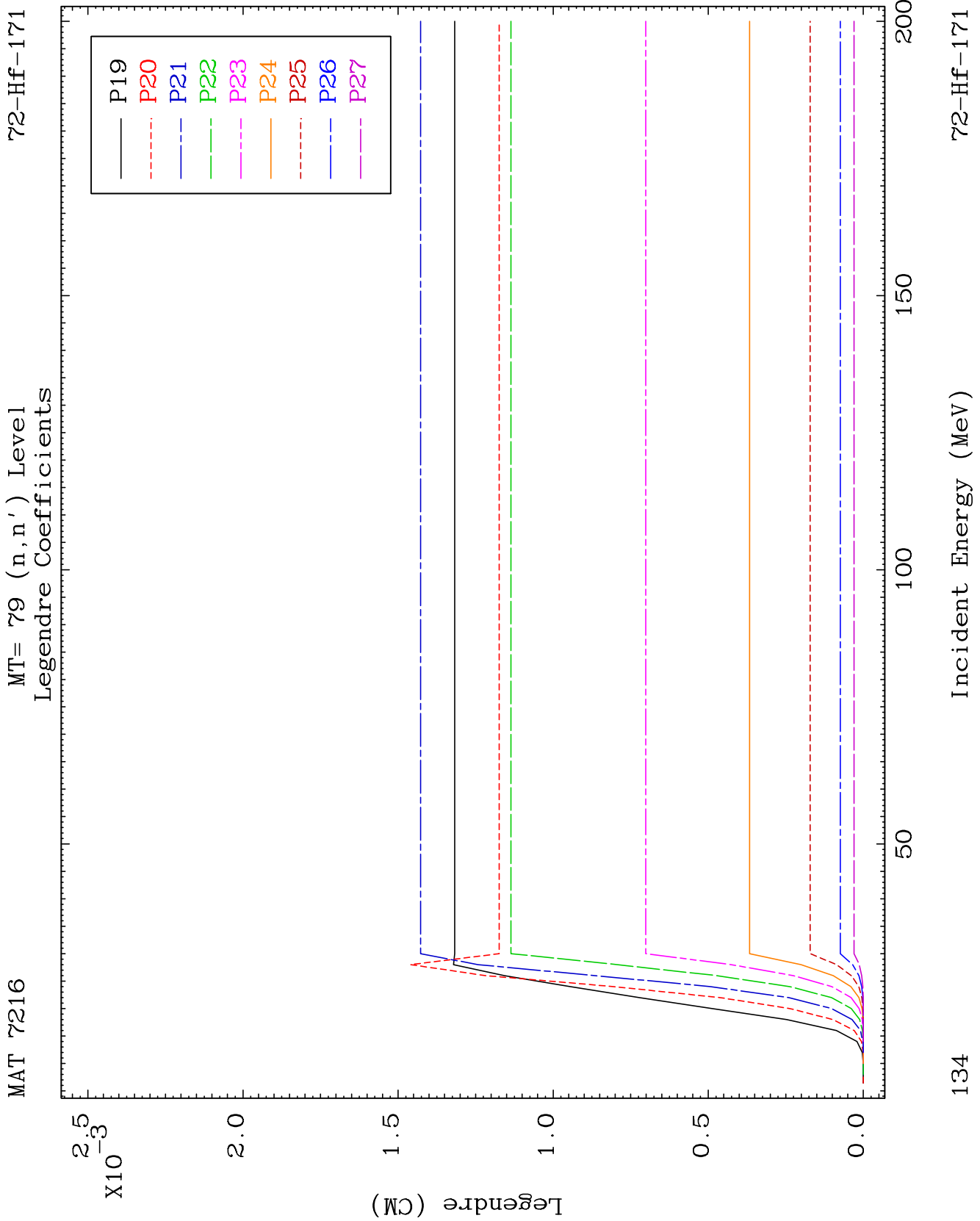
72-Hf-171

MAT 7216

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

72-Hf-171

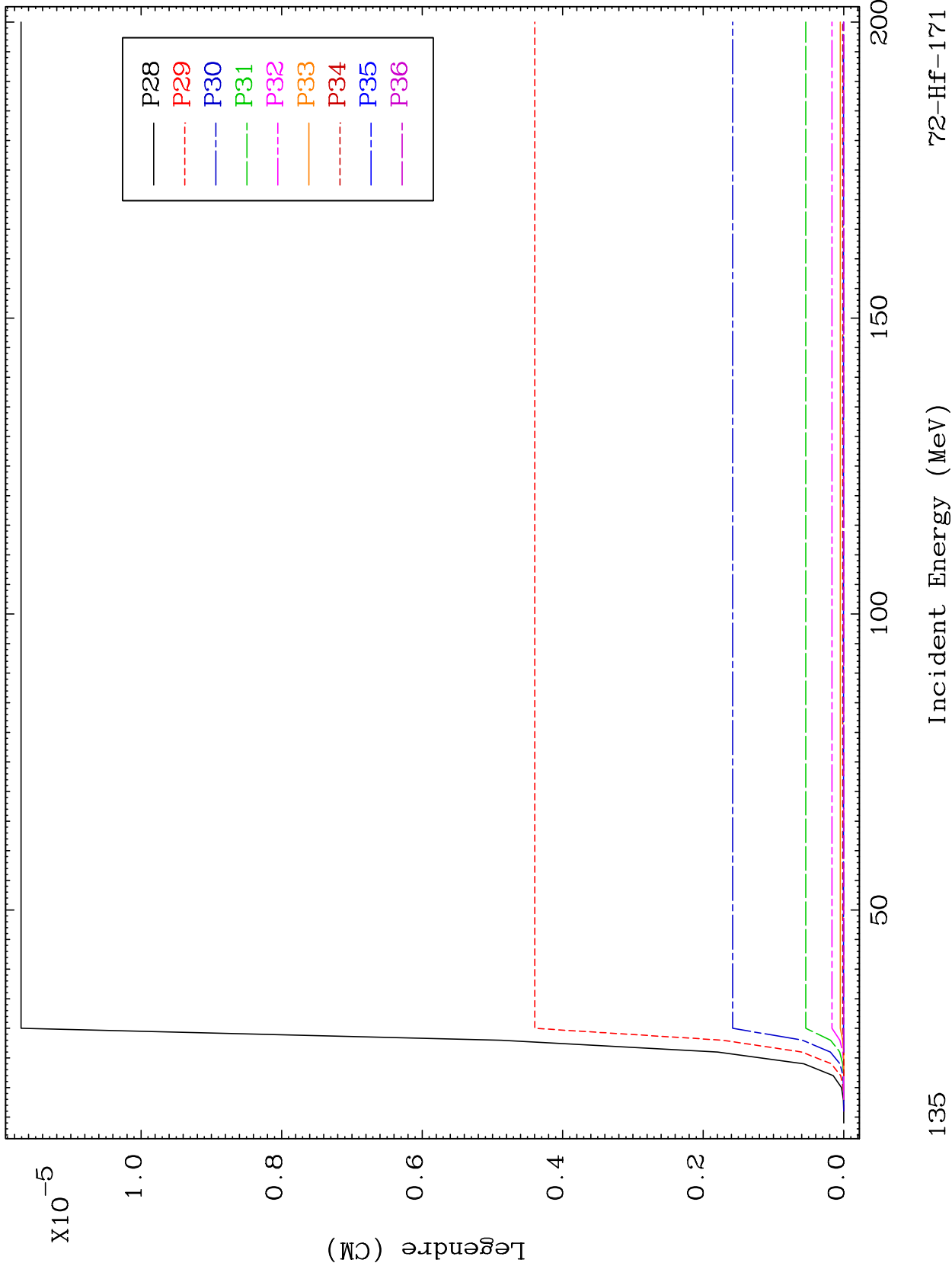




MAT 7216

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

72-Hf-171



135

MAT 7216

72-Hf-171

Inelastic
Radionuclide Production Cross Section



136

72-Hf-171

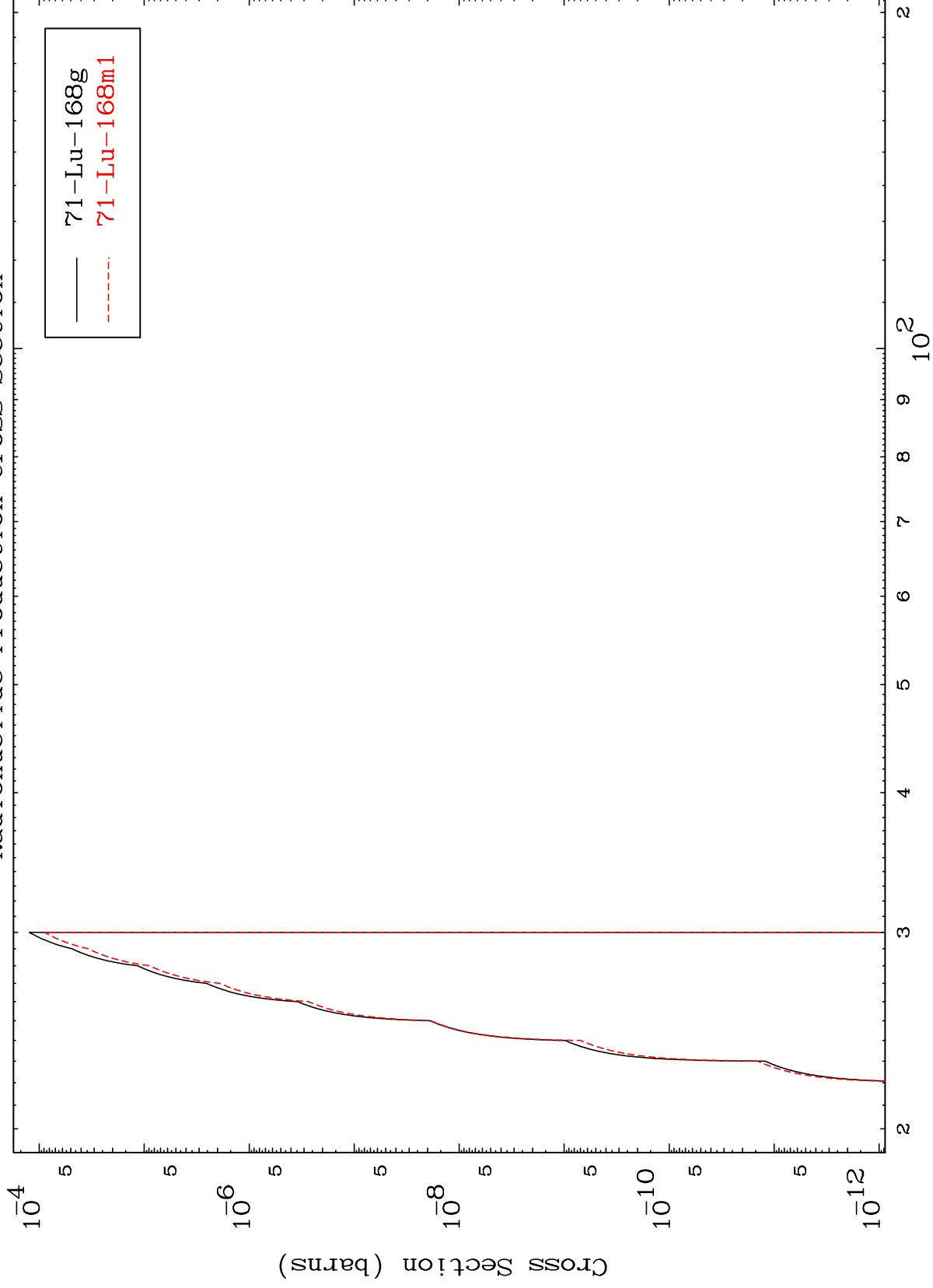
Incident Energy (MeV)

MAT 7216

(n,2n) d

72-Hf-171

Radionuclide Production Cross Section

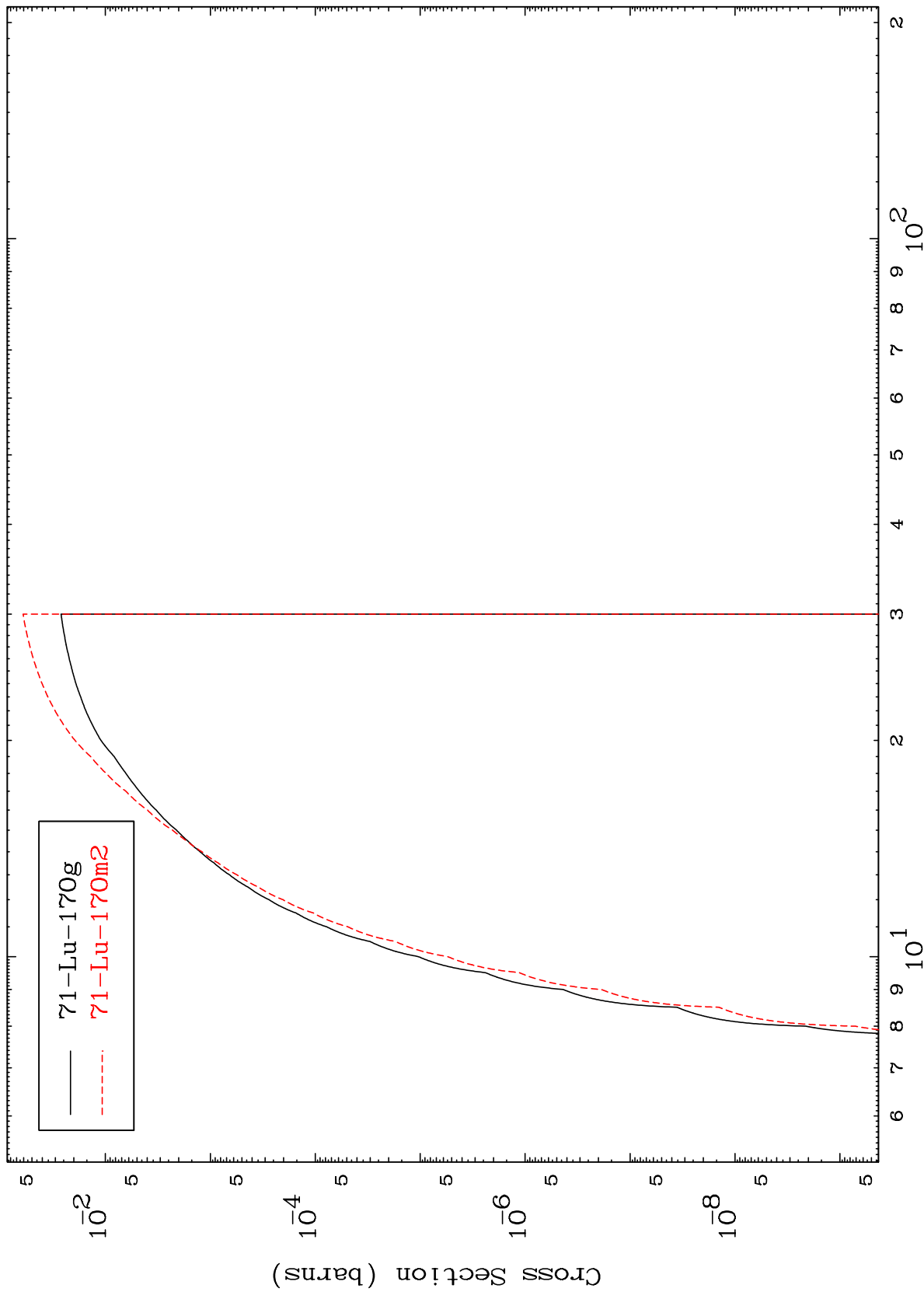


137

Incident Energy (MeV)

72-Hf-171

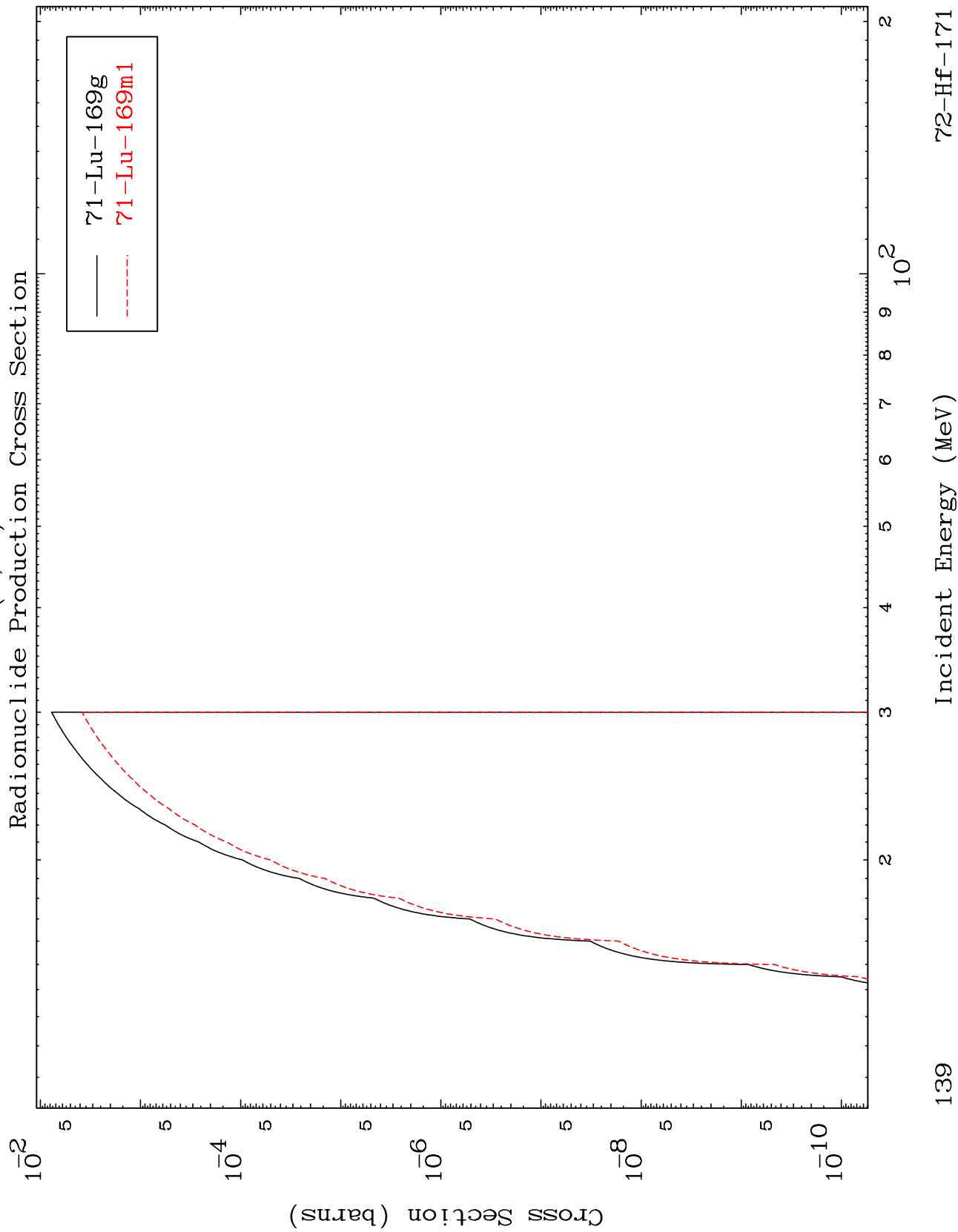
Radionuclide Production Cross Section



MAT 7216

(n,n') d

72-Hf-171



139

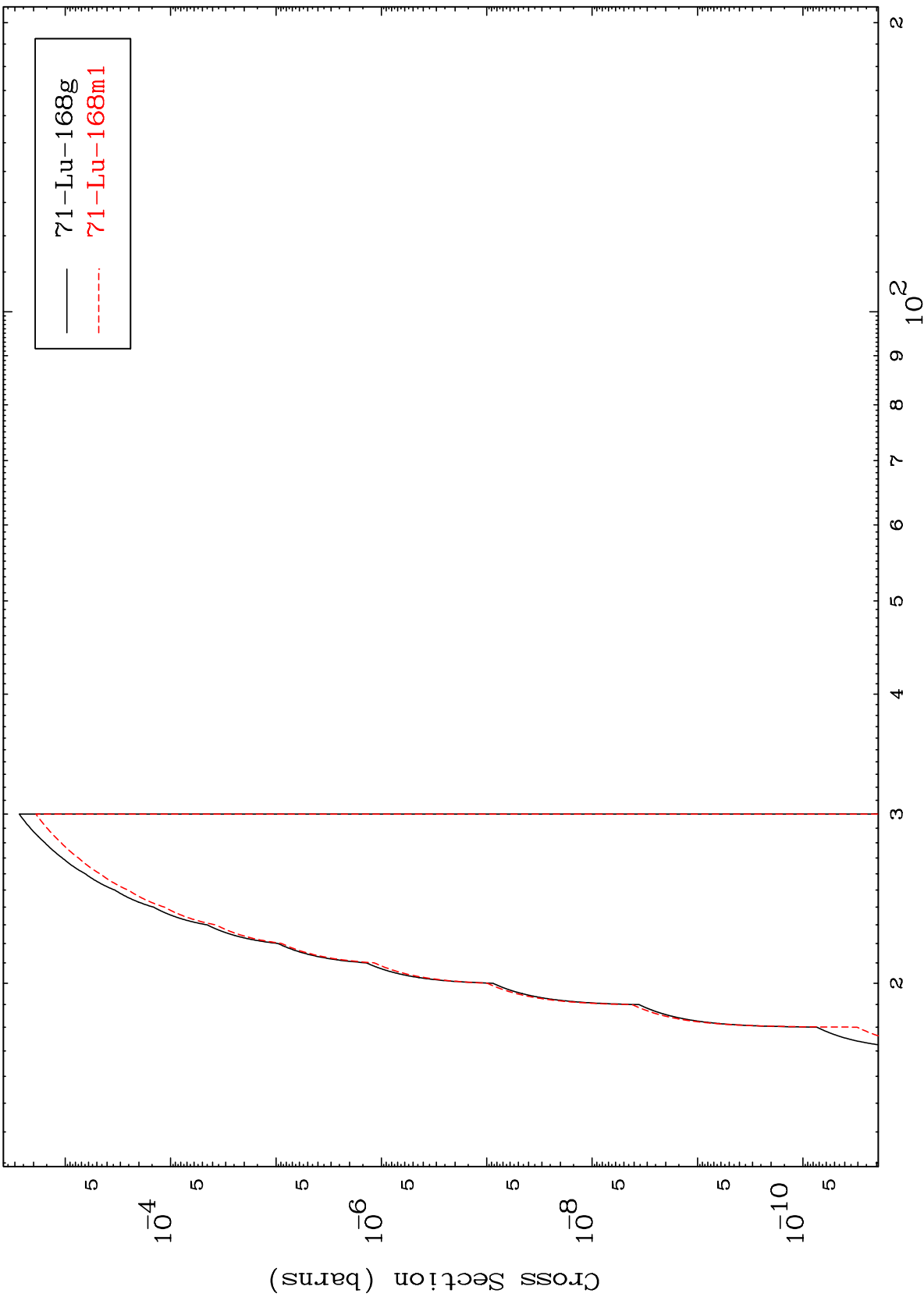
72-Hf-171

MAT 7216

(n,n') t

72-Hf-171

Radionuclide Production Cross Section



140

Incident Energy (MeV)

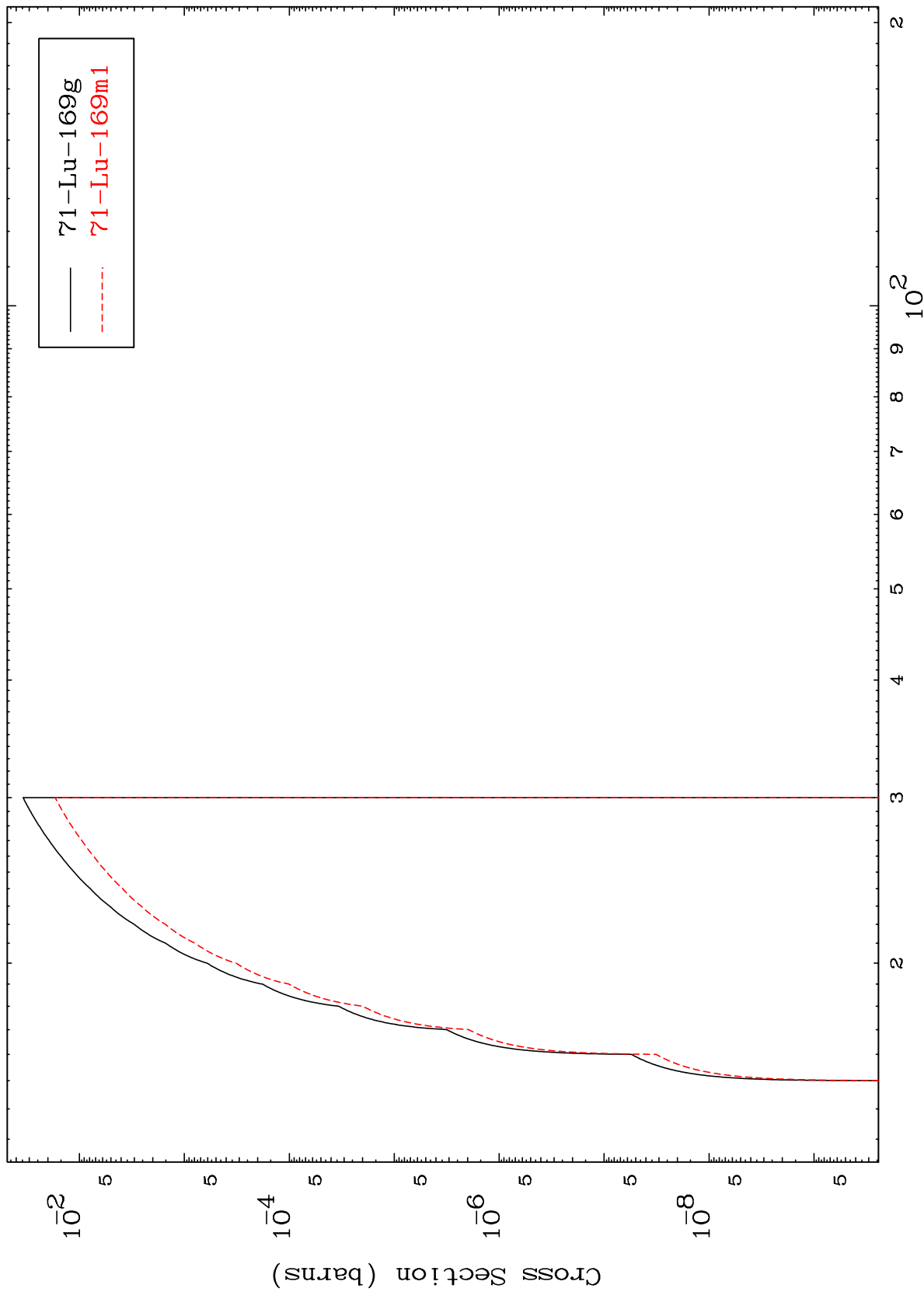
72-Hf-171

MAT 7216

(n,2n) p

72-Hf-171

Radionuclide Production Cross Section



141

Incident Energy (MeV)

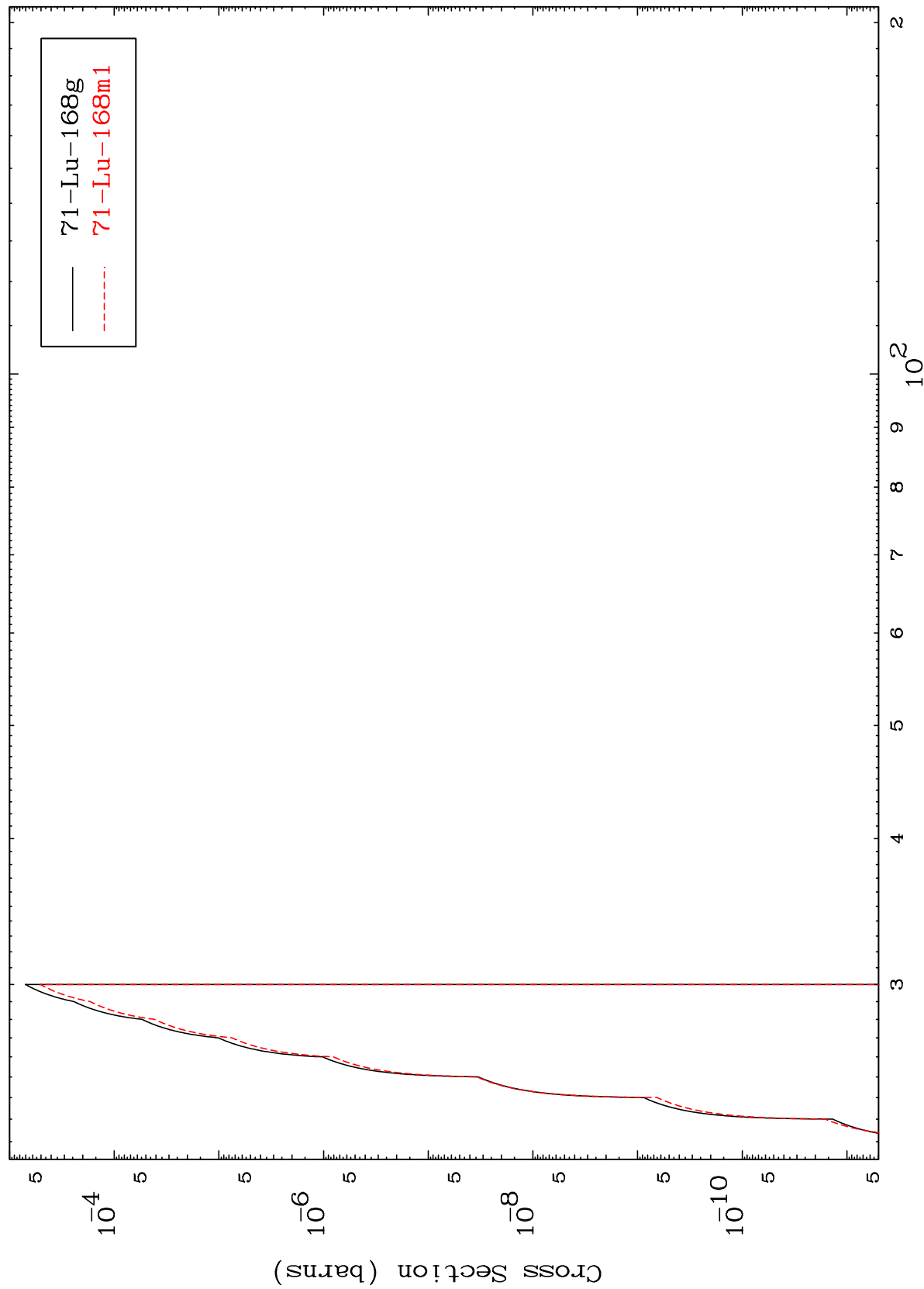
72-Hf-171

MAT 7216

(n,3n) p

72-Hf-171

Radionuclide Production Cross Section



142

Incident Energy (MeV)

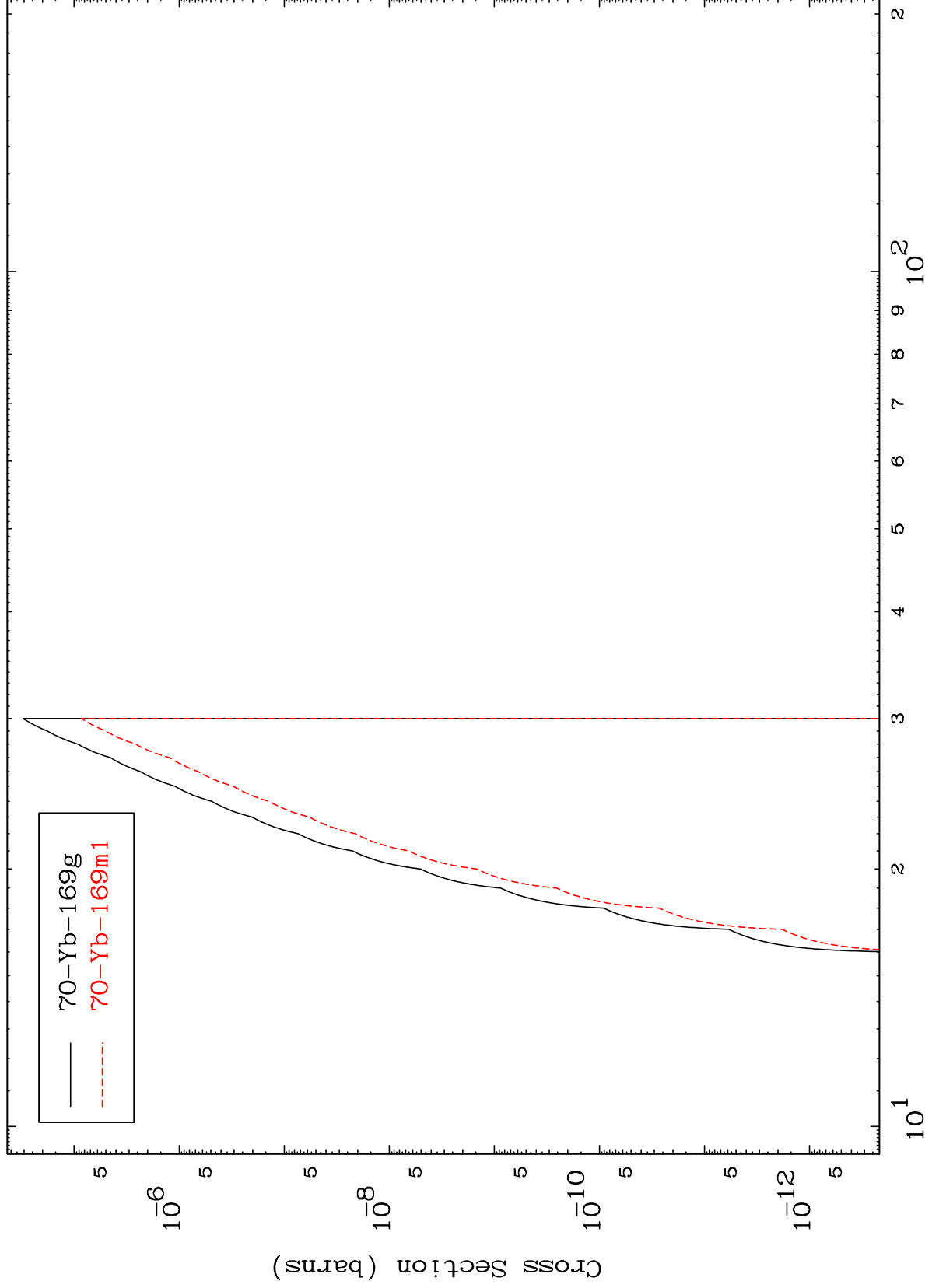
72-Hf-171

MAT 7216

(n,2n) p

72-Hf-171

Radionuclide Production Cross Section



Incident Energy (MeV)

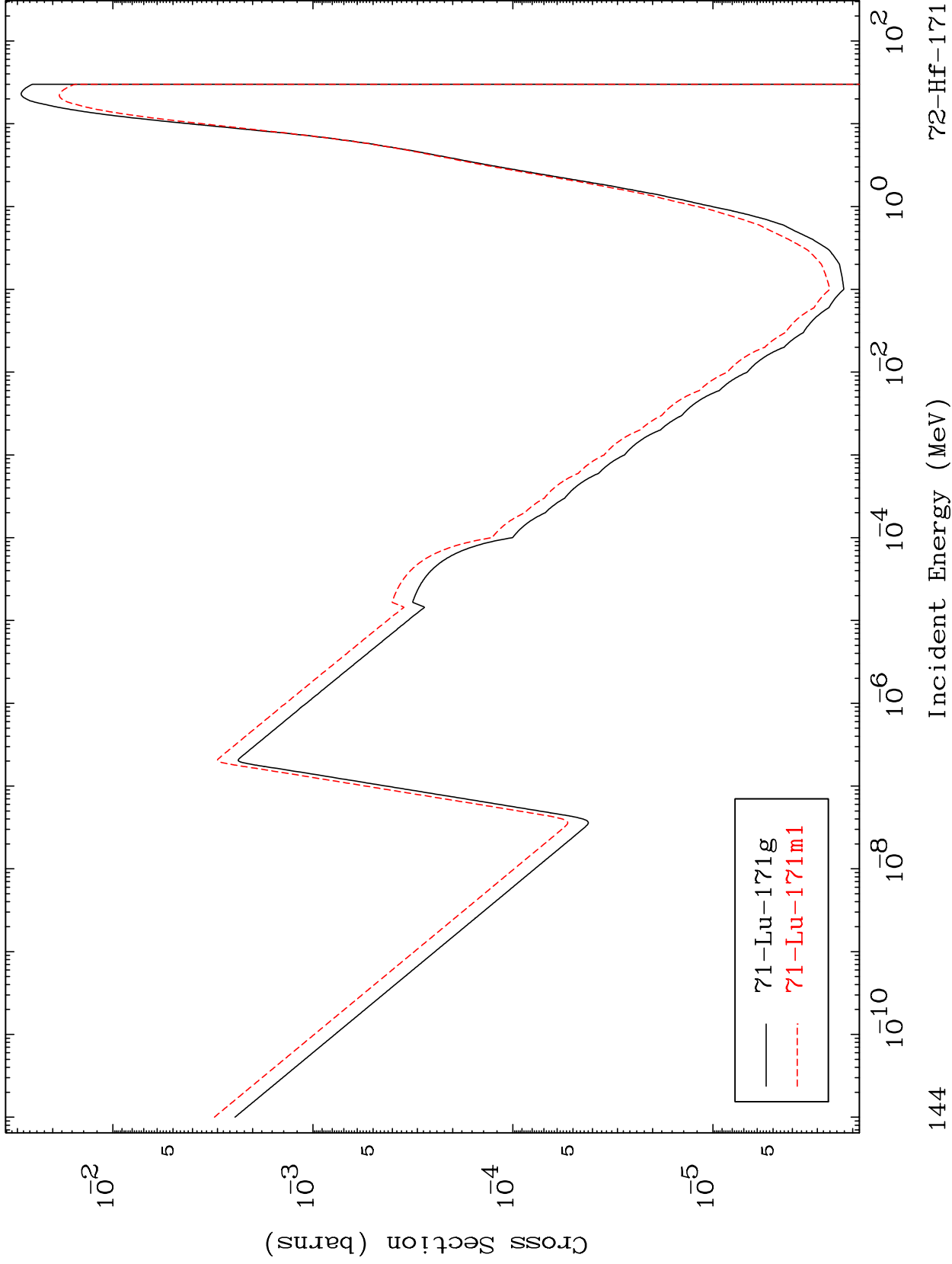
72-Hf-171

143

MAT 7216

72-Hf-171

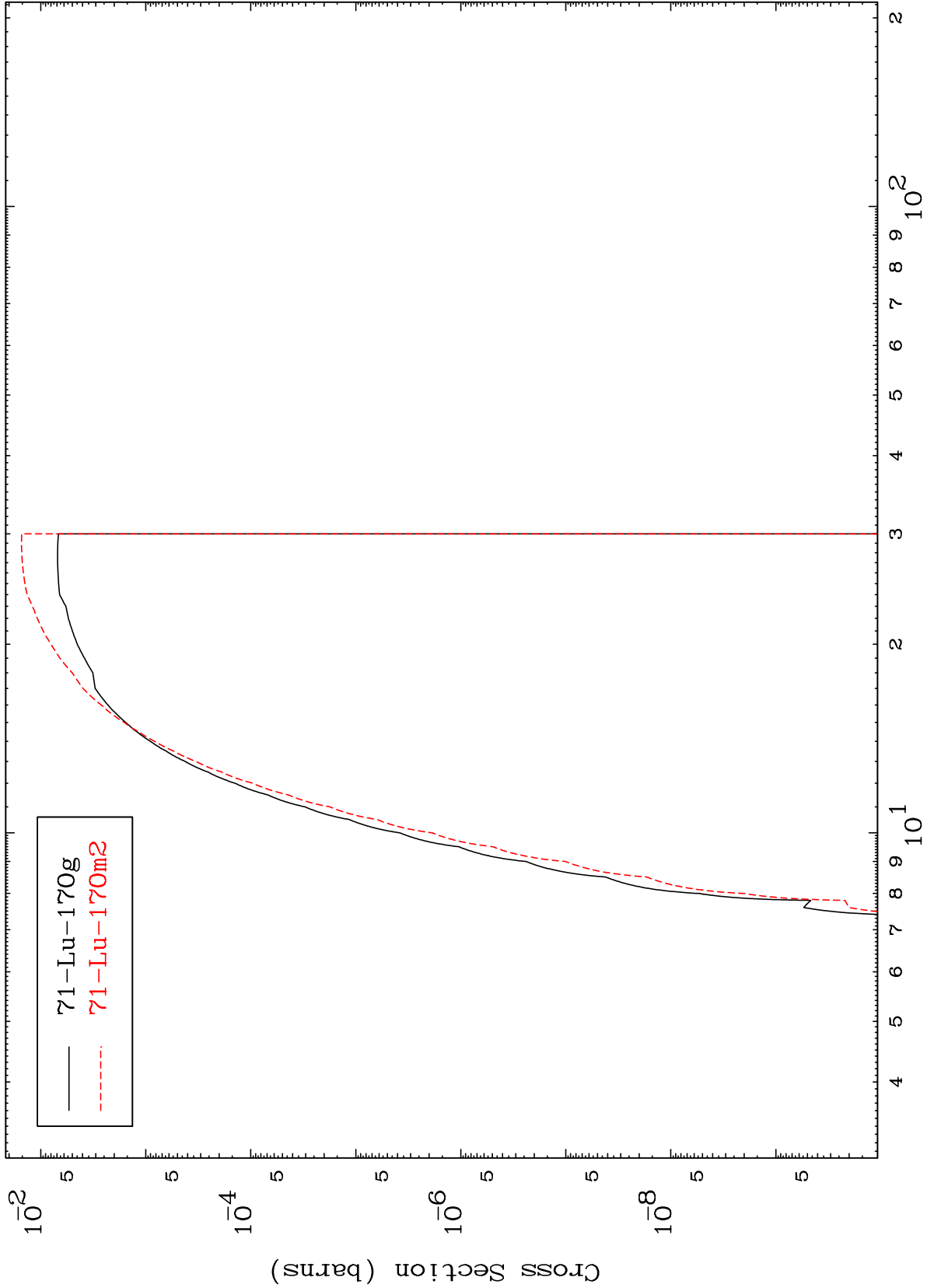
(n,p)
Radionuclide Production Cross Section



MAT 7216

72-Hf-171

(n,d)
Radionuclide Production Cross Section

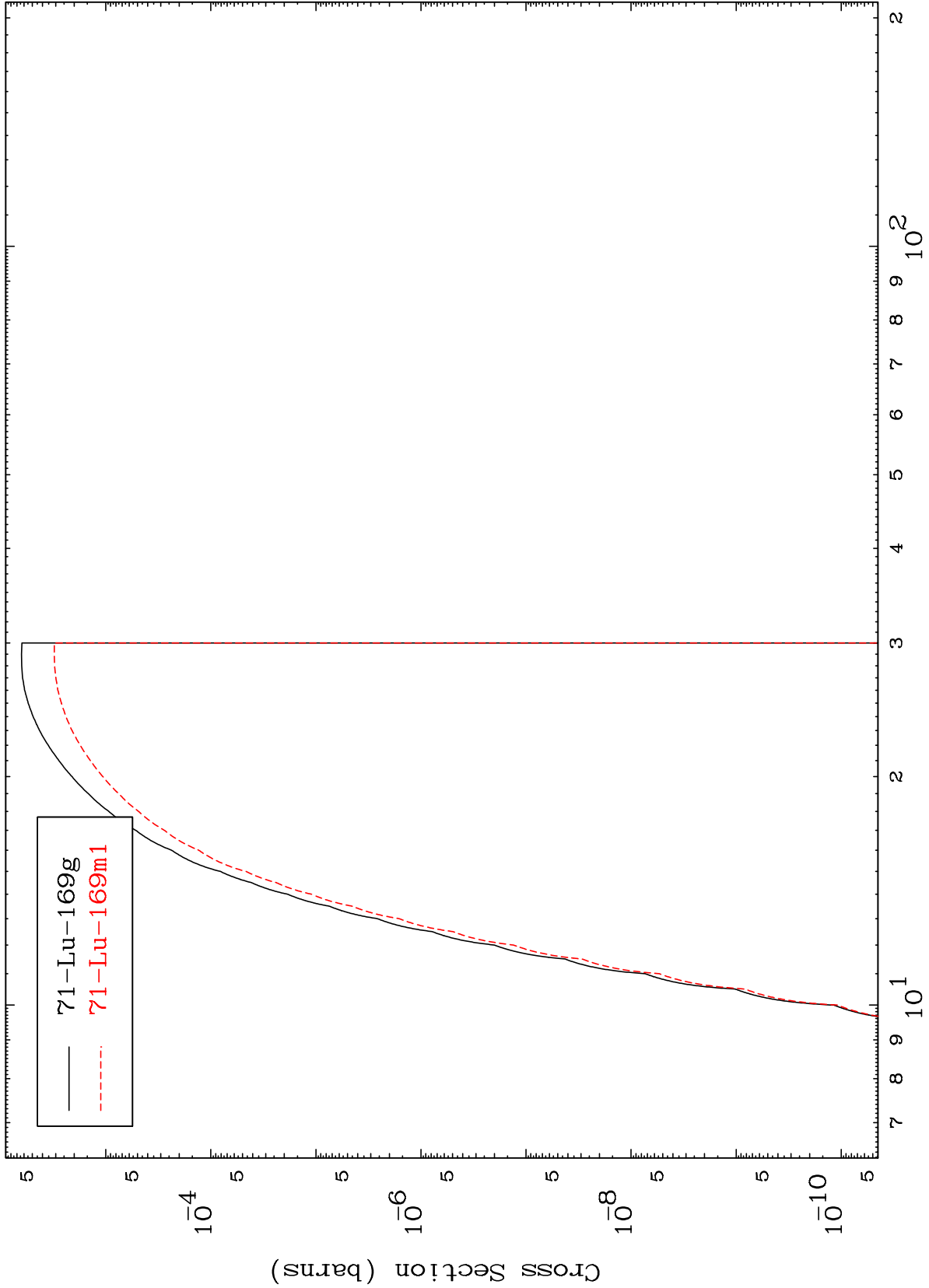


145

Incident Energy (MeV)

72-Hf-171

(n, t)
Radionuclide Production Cross Section



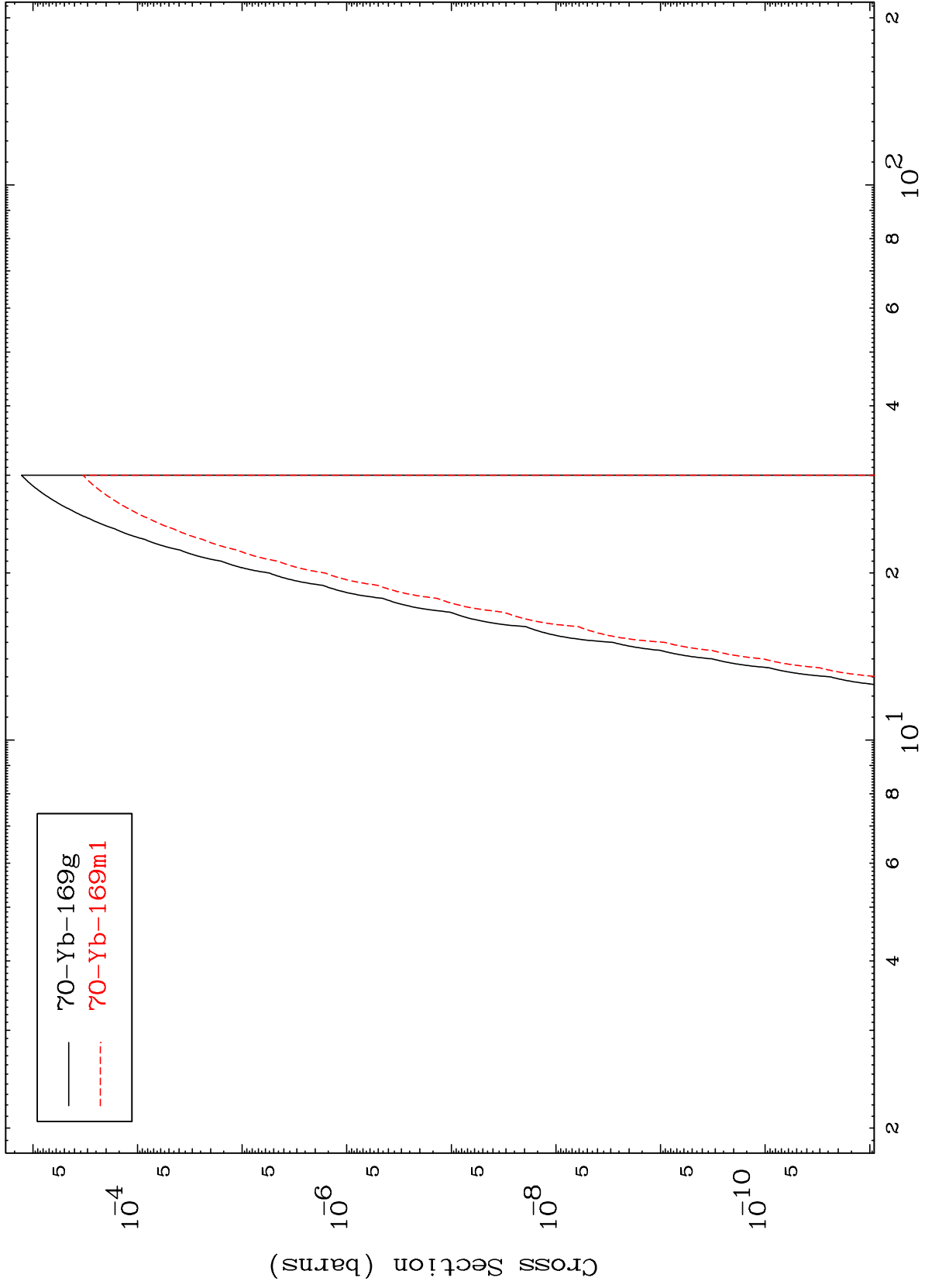
71-Lu-169g
71-Lu-169m1

MAT 7216

(n,He-3)

72-Hf-171

Radionuclide Production Cross Section



147

Incident Energy (MeV)

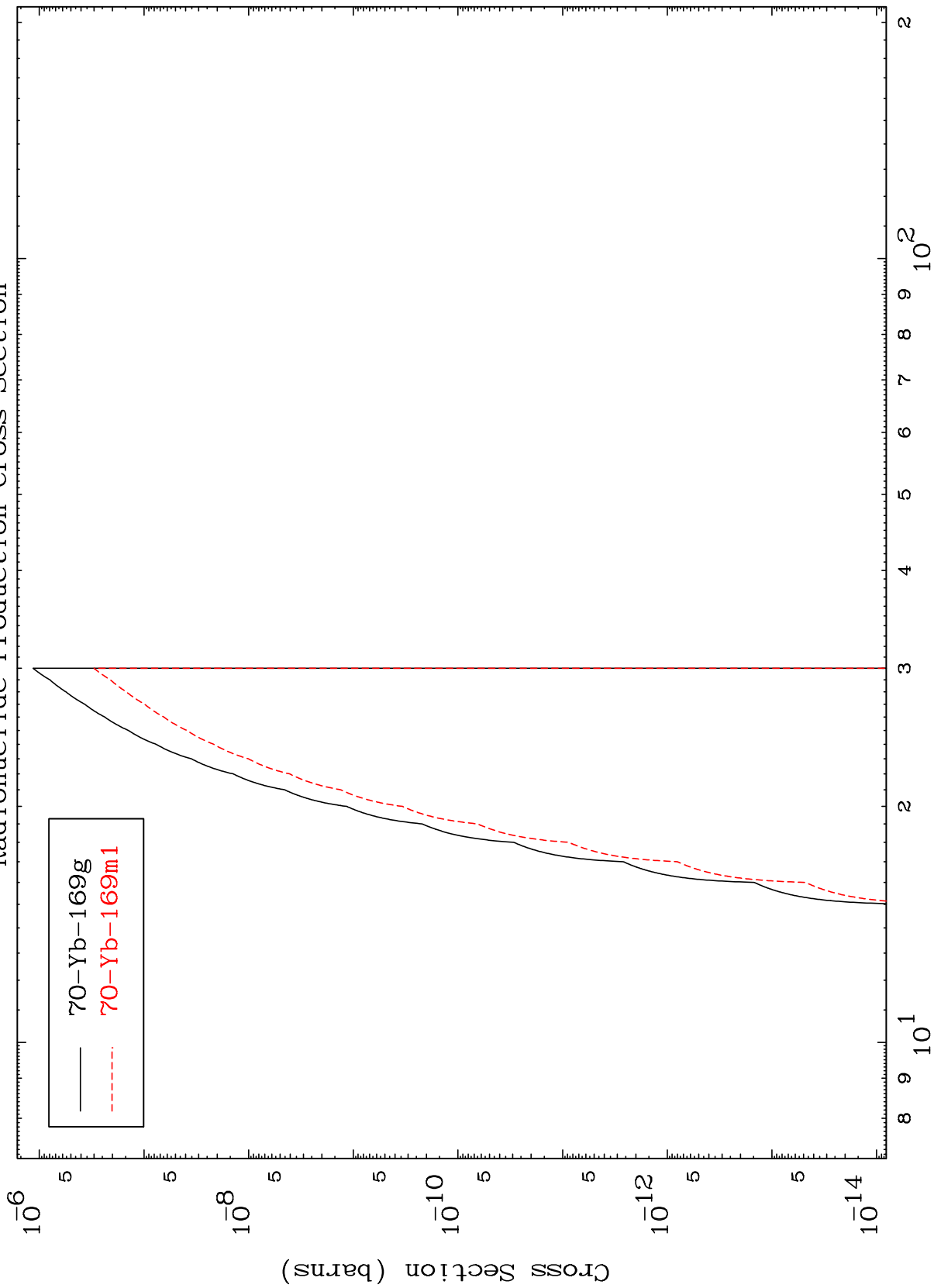
72-Hf-171

MAT 7216

(n,p) d

72-Hf-171

Radionuclide Production Cross Section



148

Incident Energy (MeV)

72-Hf-171