

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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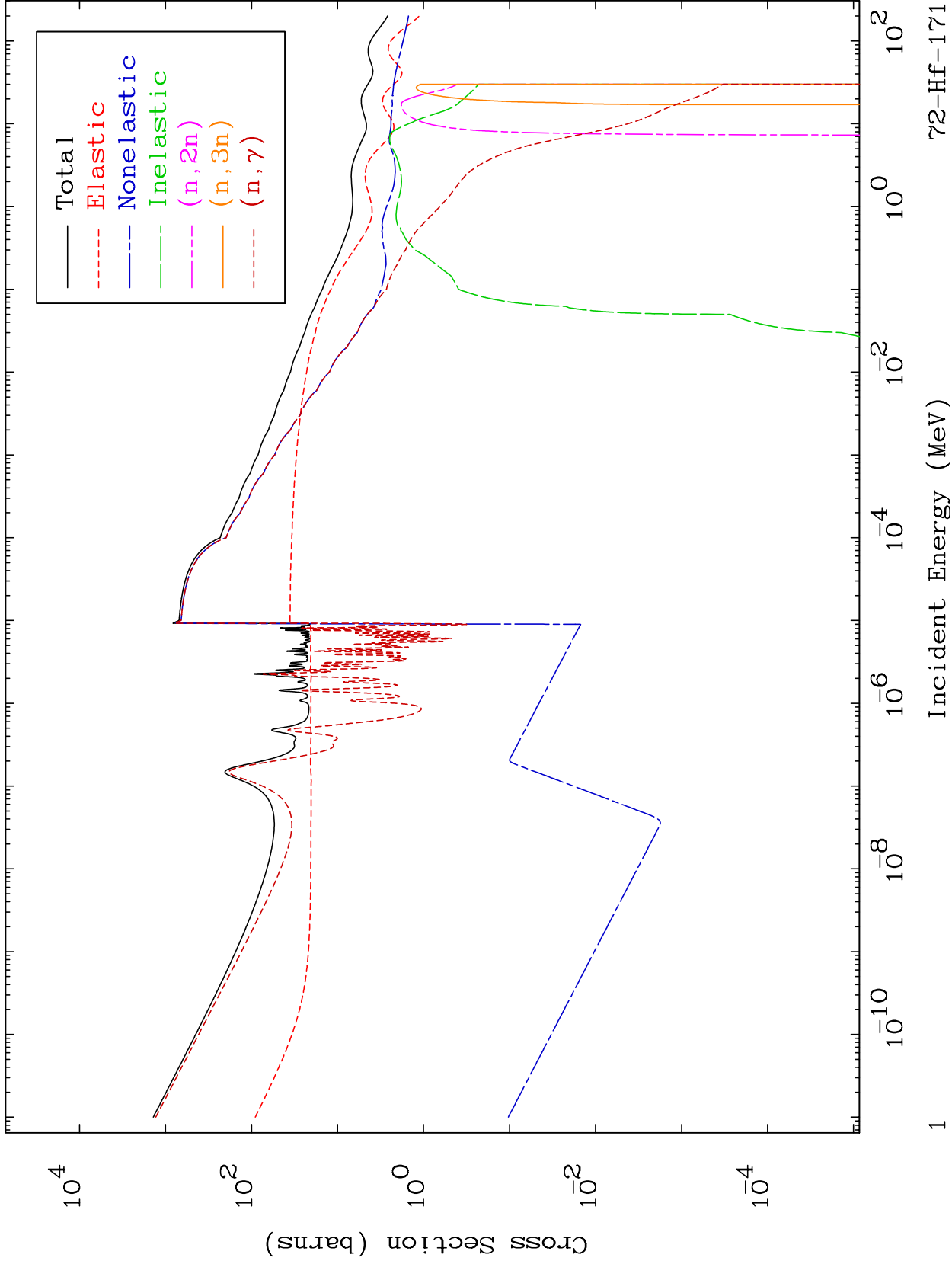
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7216

Neutron Major  
293 Kelvin Cross Sections

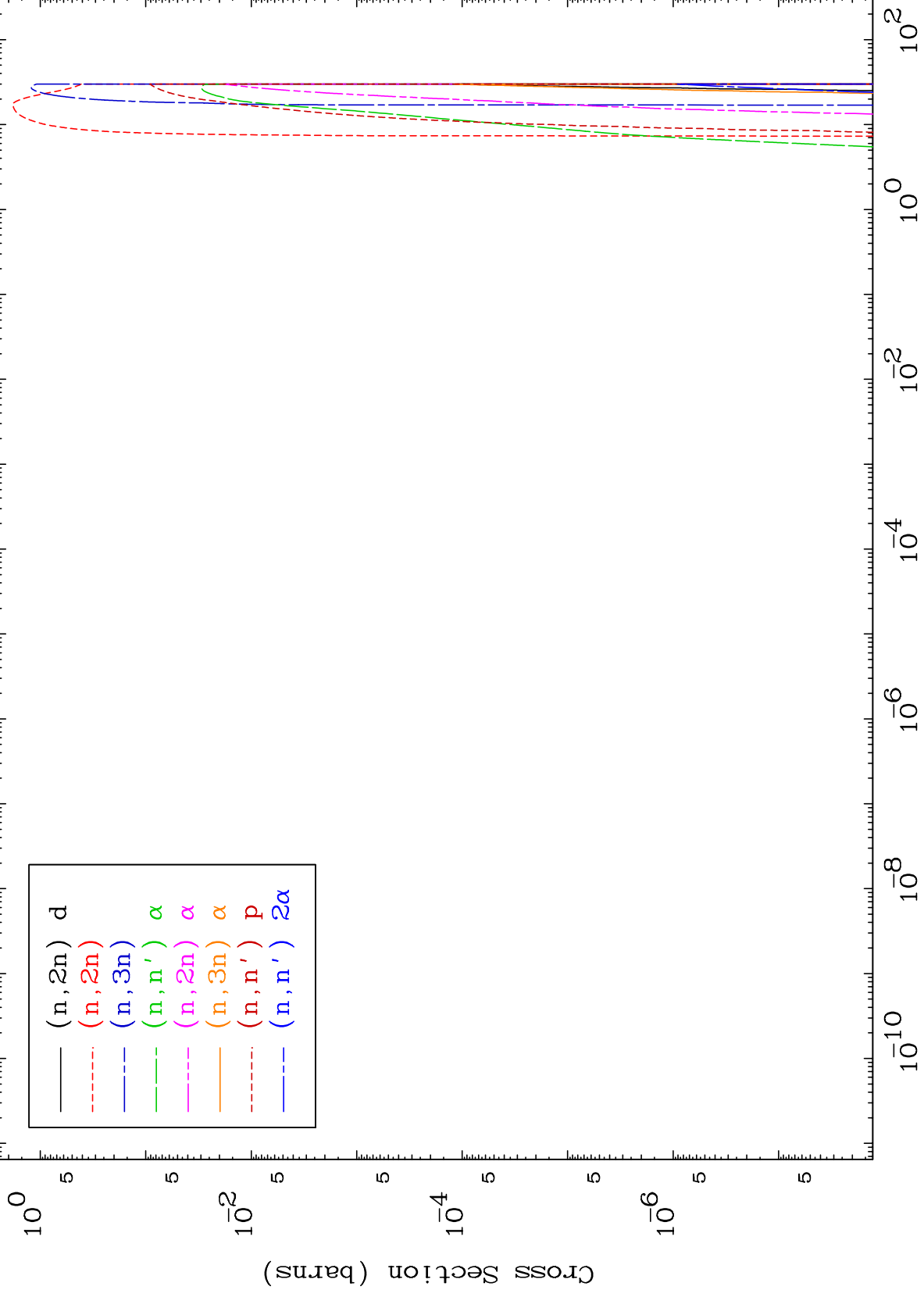
72-Hf-171



MAT 7216

Neutron Absorption  
293 Kelvin Cross Sections

72-Hf-171



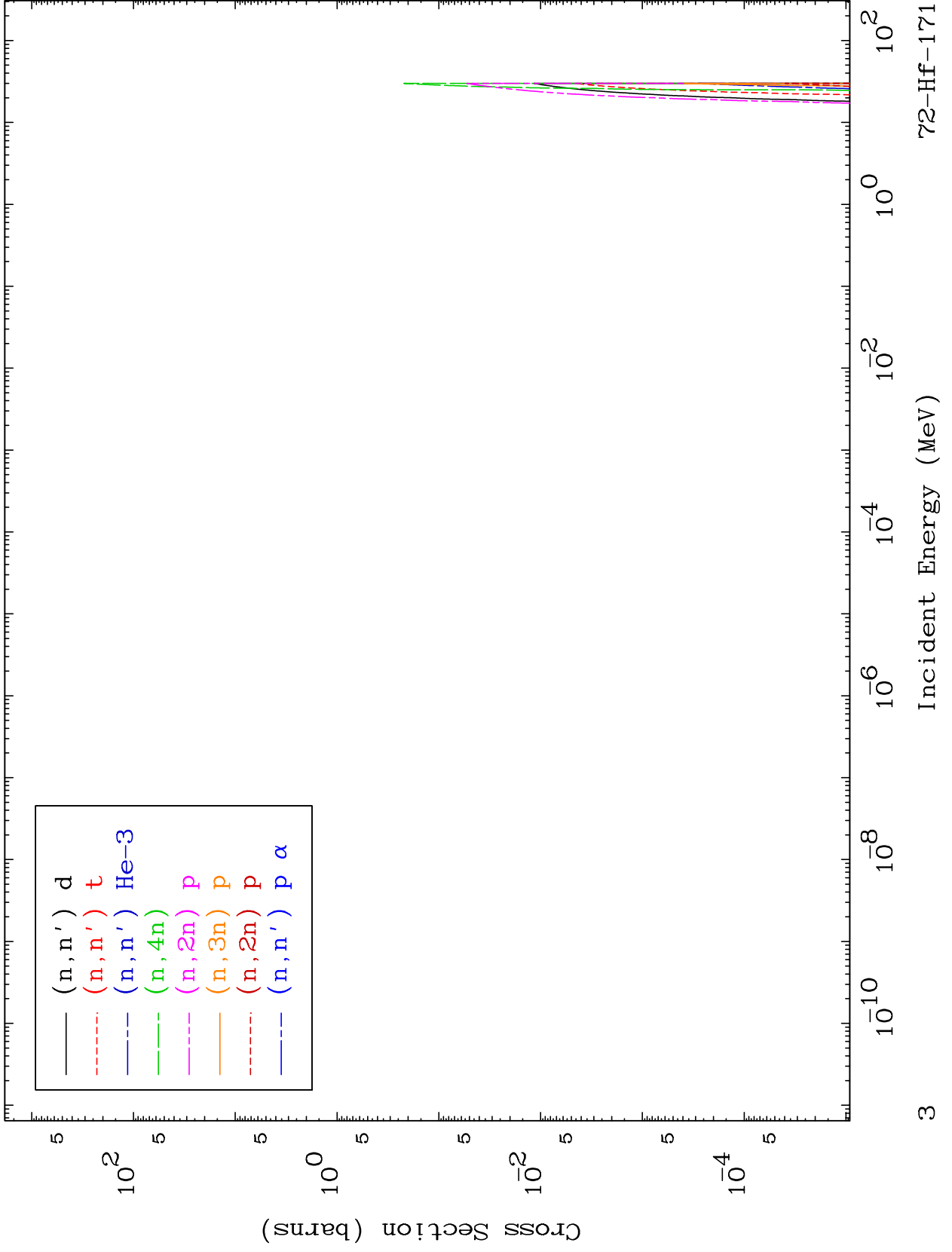
72-Hf-171

Incident Energy (MeV)

MAT 7216

Neutron Absorption  
293 Kelvin Cross Sections

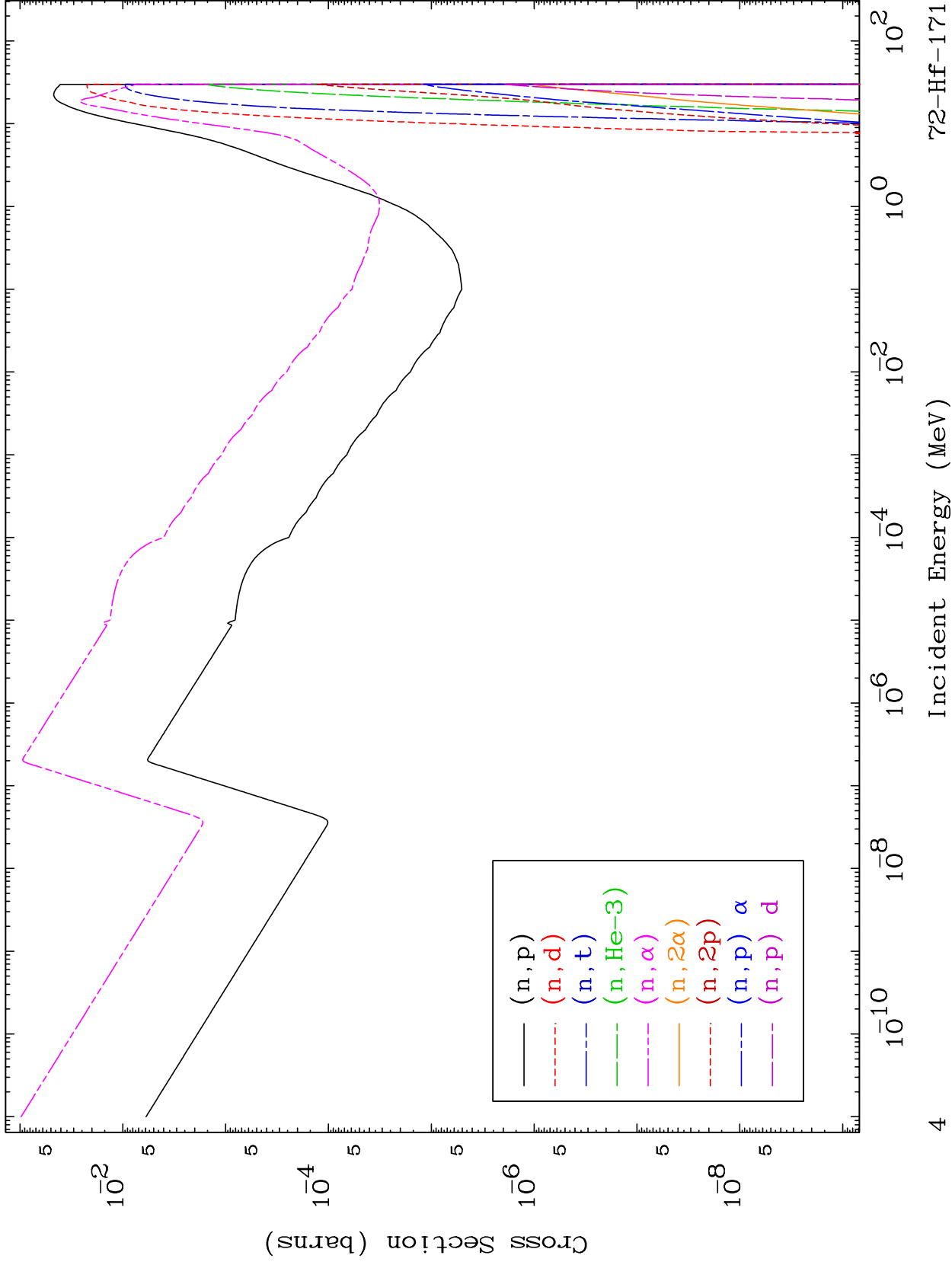
72-Hf-171

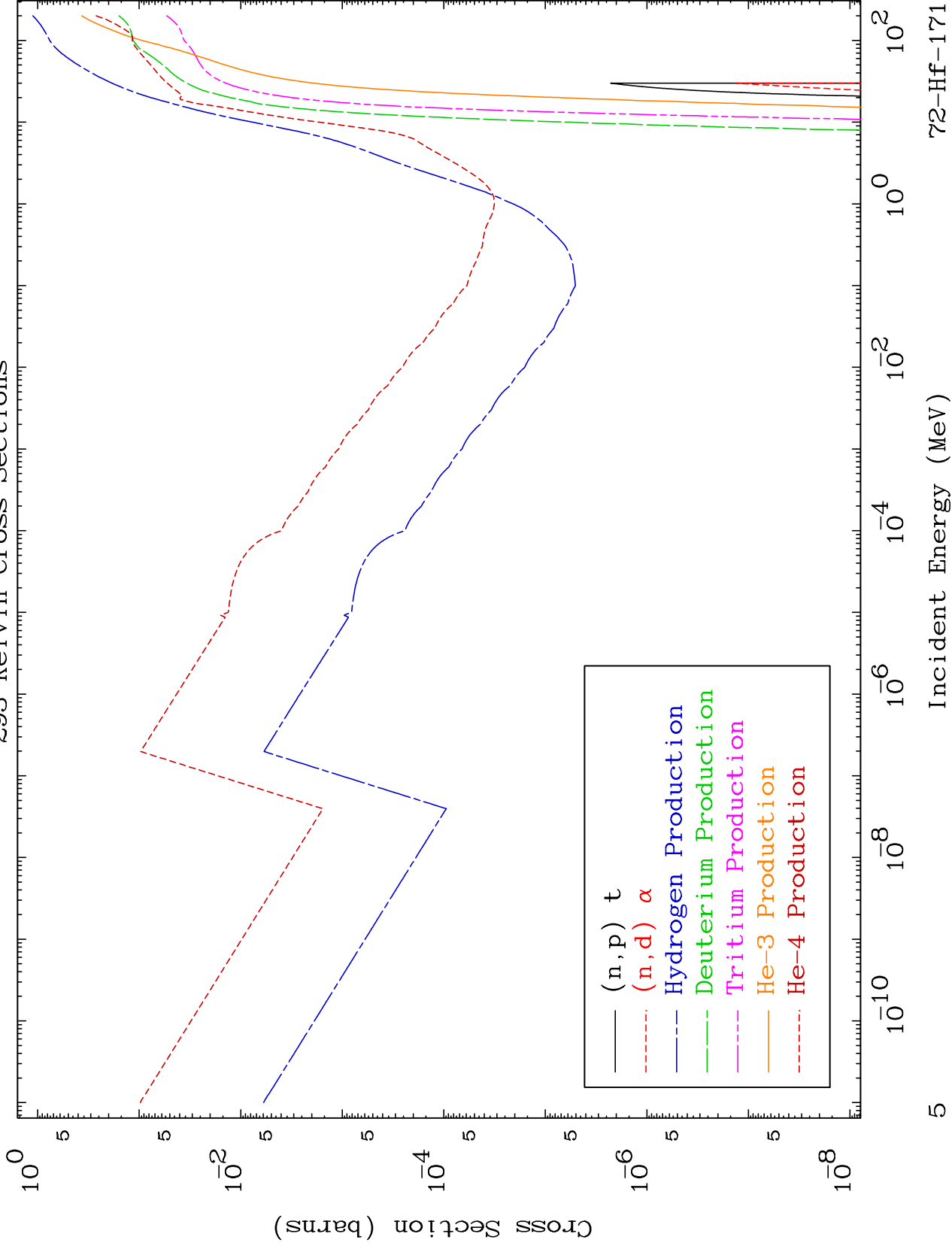


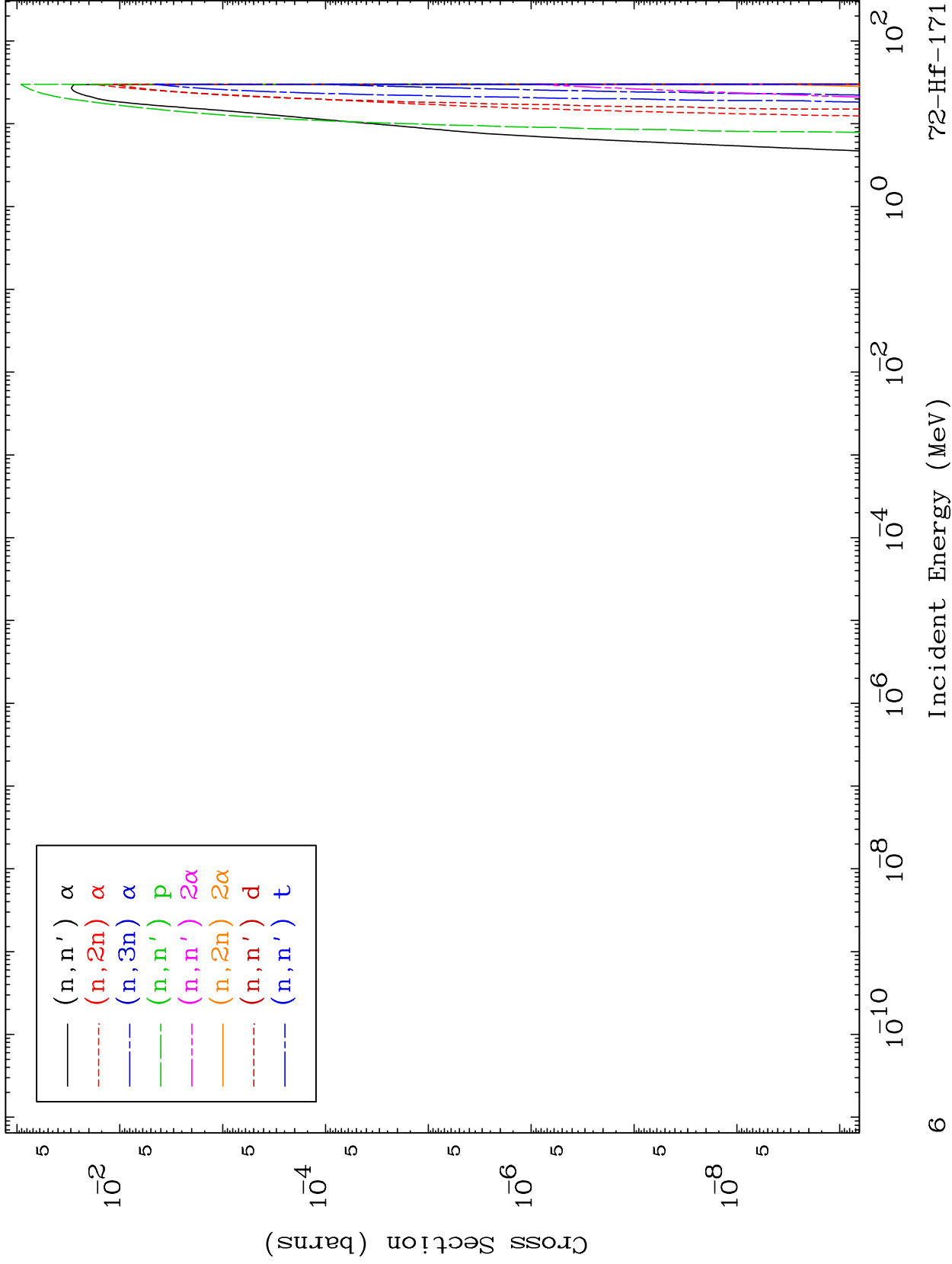
MAT 7216

Neutron Absorption  
293 Kelvin Cross Sections

72-Hf-171



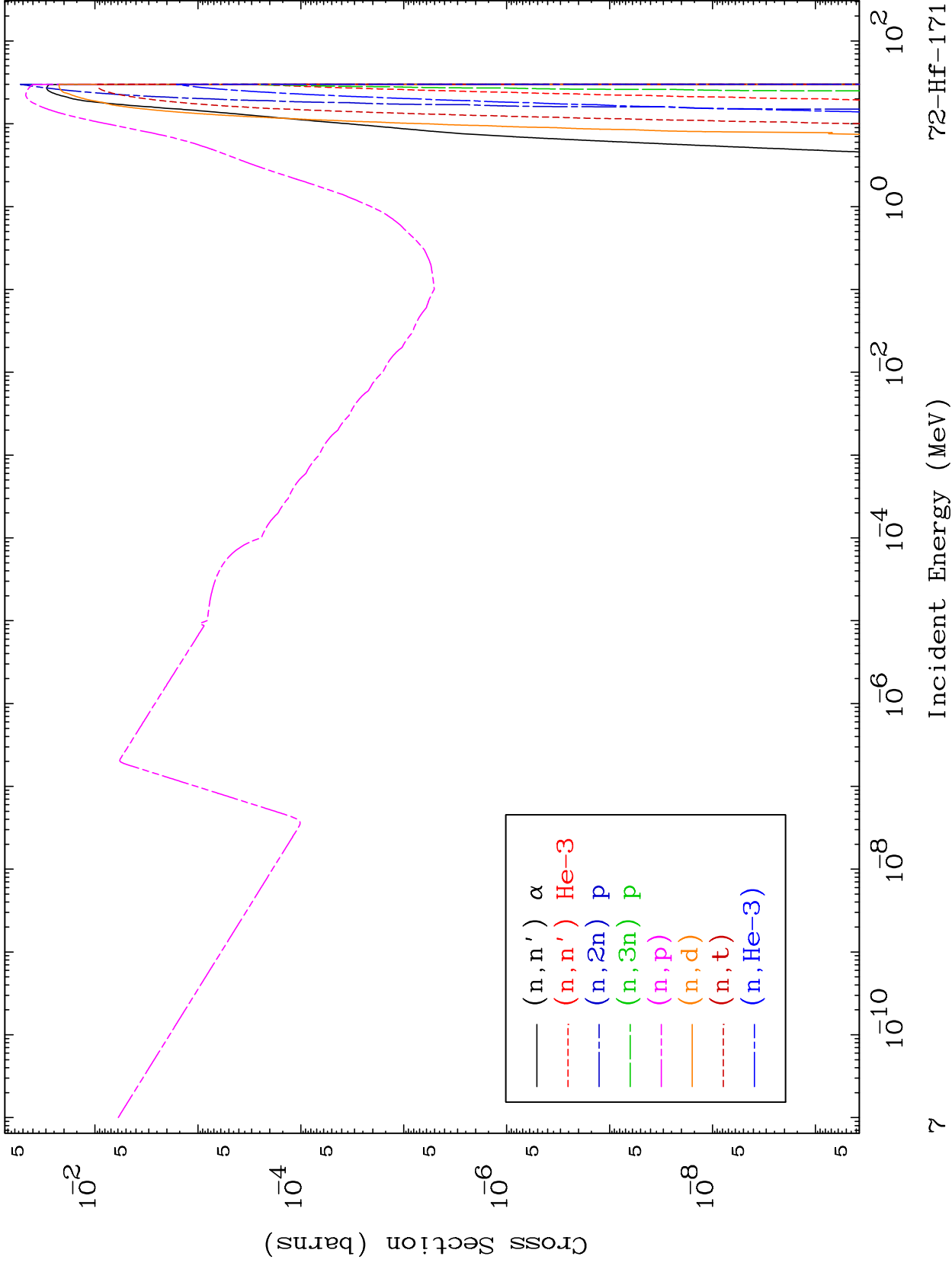




MAT 7216

Charged Particle  
293 Kelvin Cross Sections

72-Hf-171

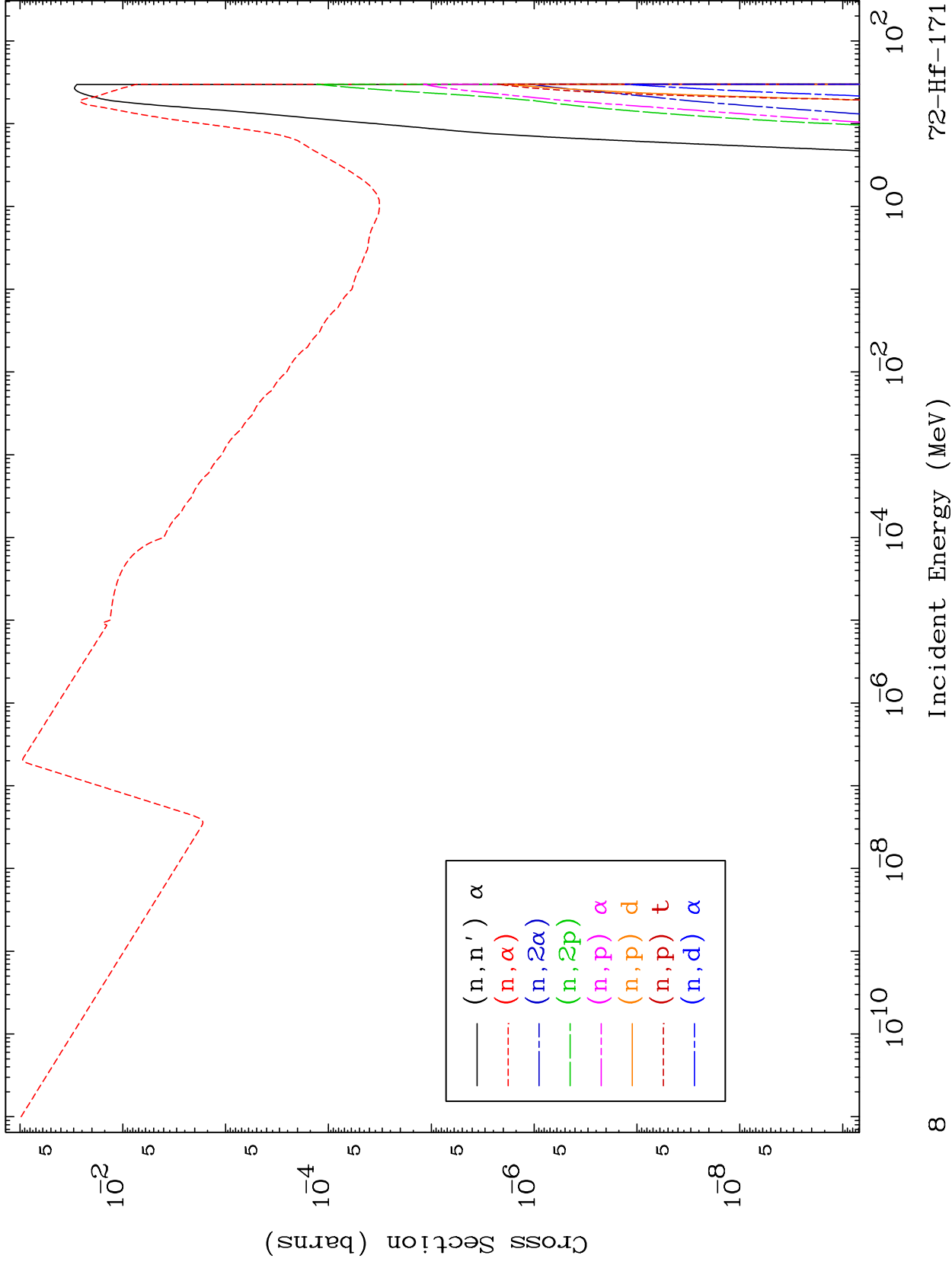




MAT 7216

Charged Particle  
293 Kelvin Cross Sections

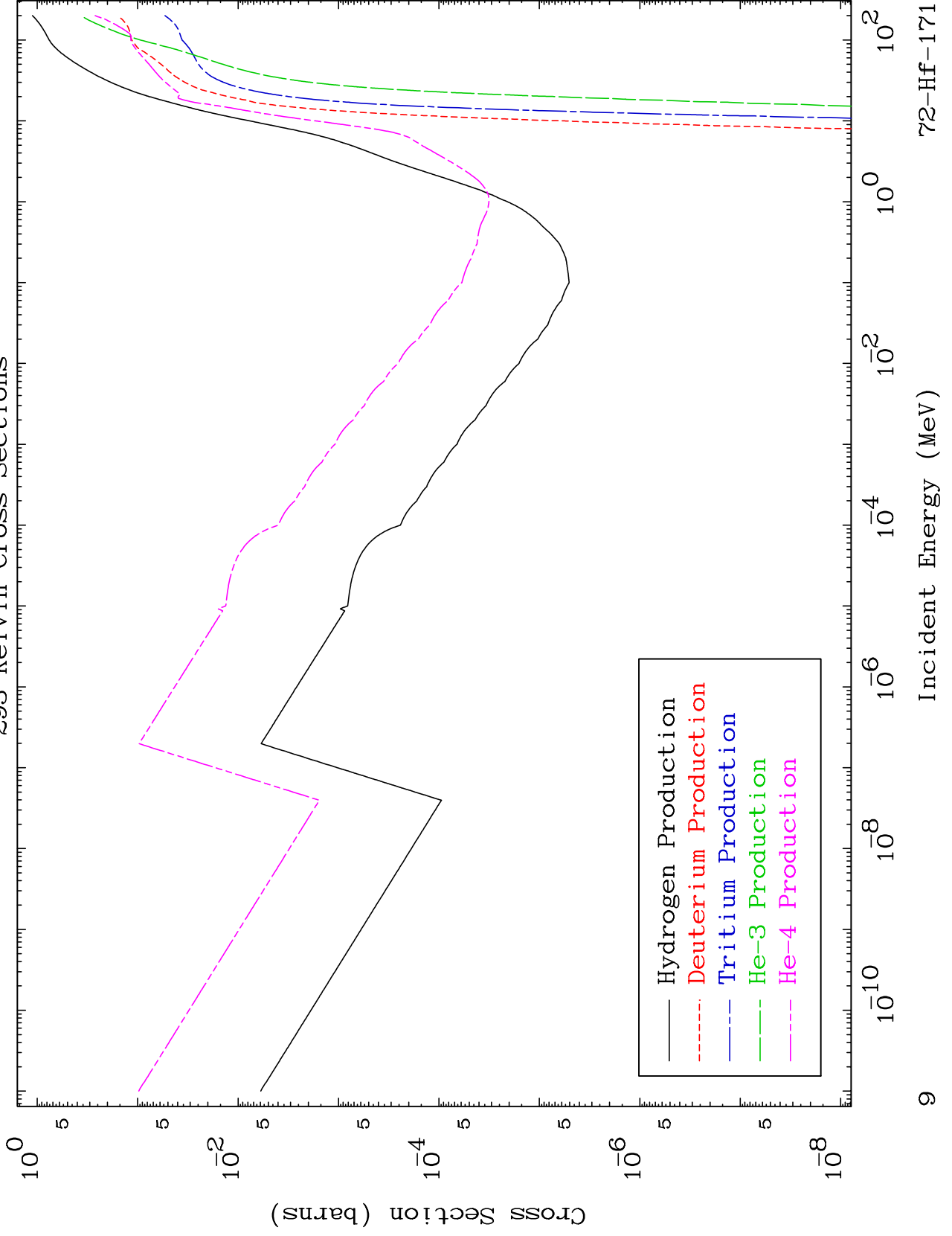
72-Hf-171



MAT 7216

Particle Production  
293 Kelvin Cross Sections

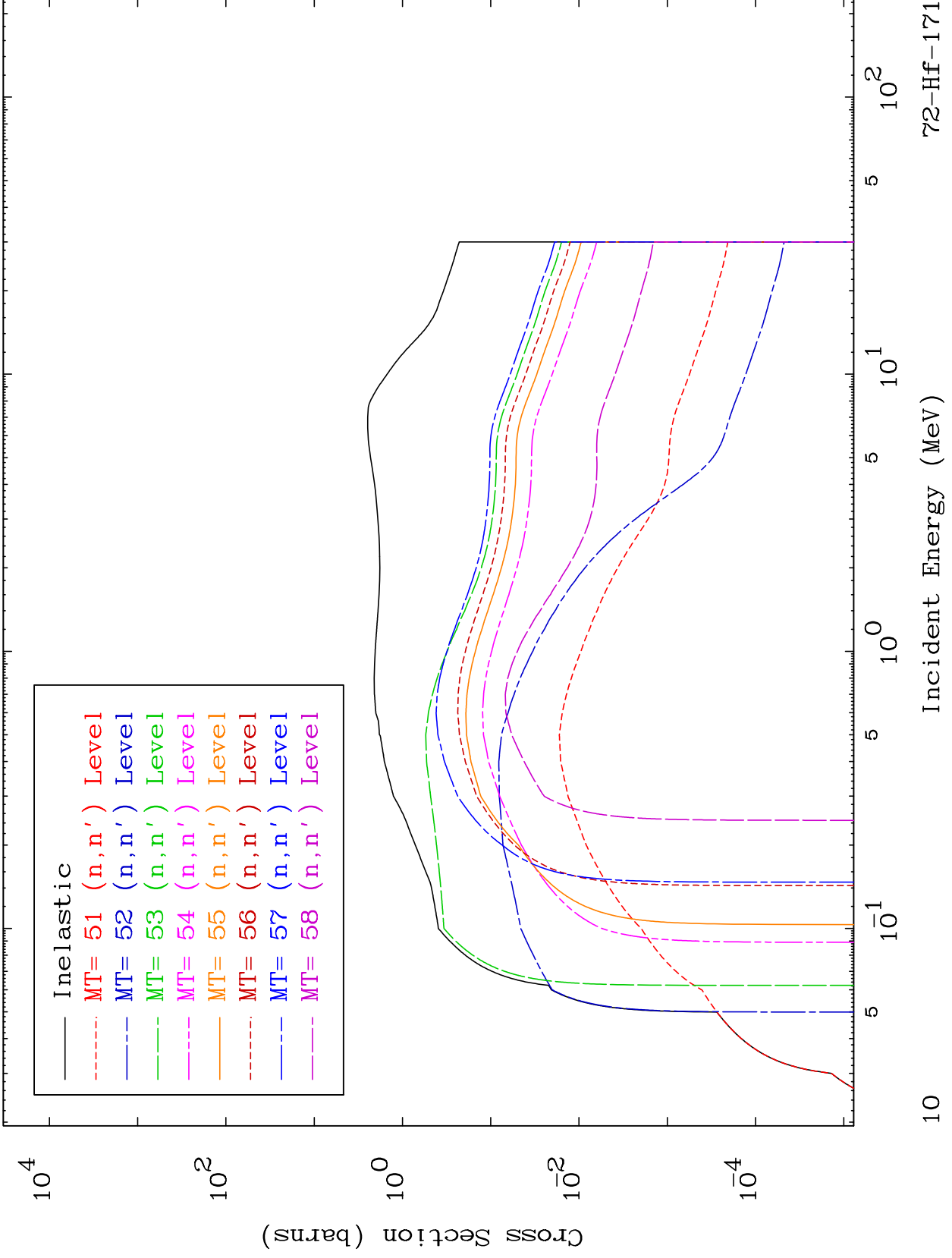
72-Hf-171



MAT 7216

293 Kelvin Cross Sections  
(n,n') Levels

72-Hf-171



72-Hf-171

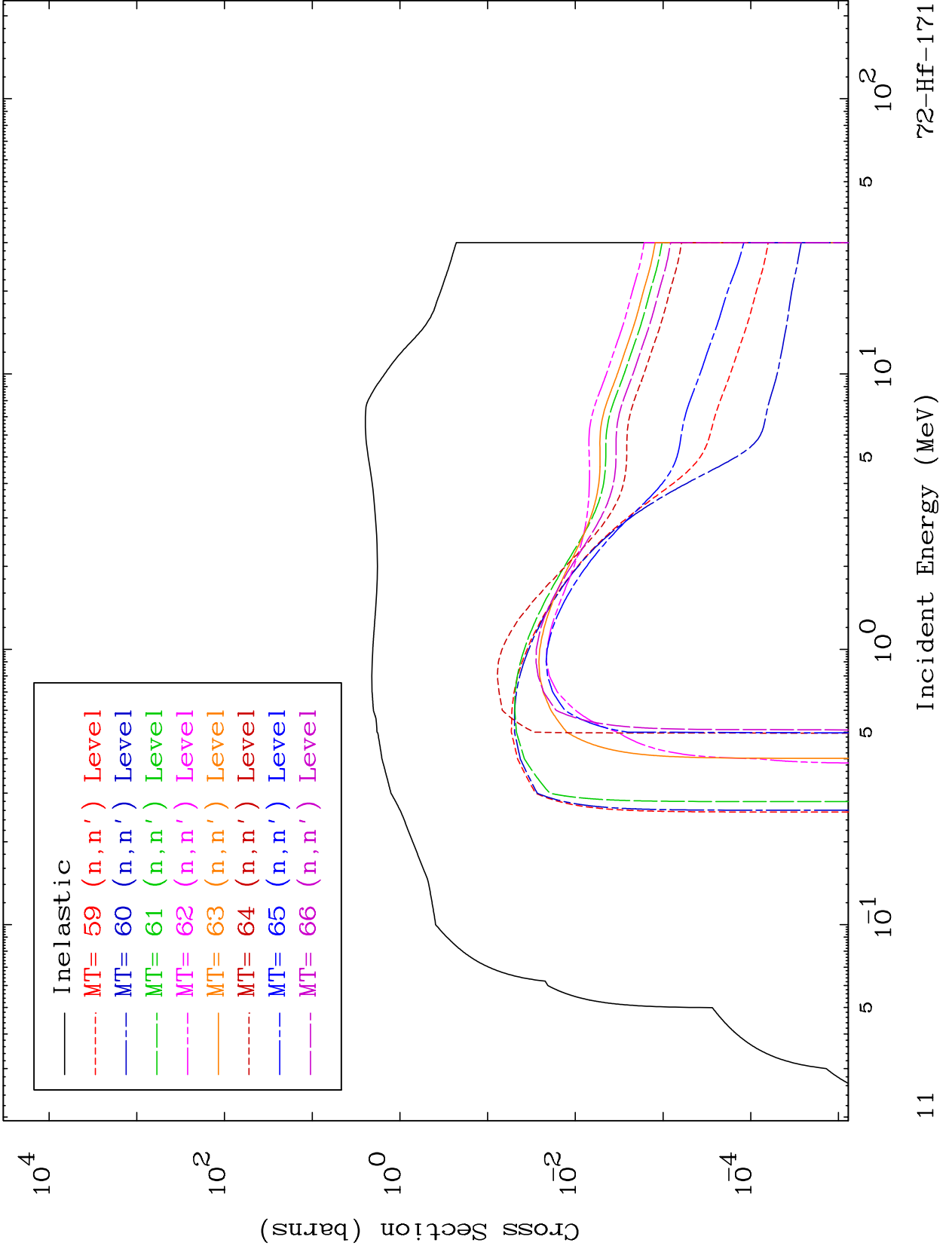
Incident Energy (MeV)

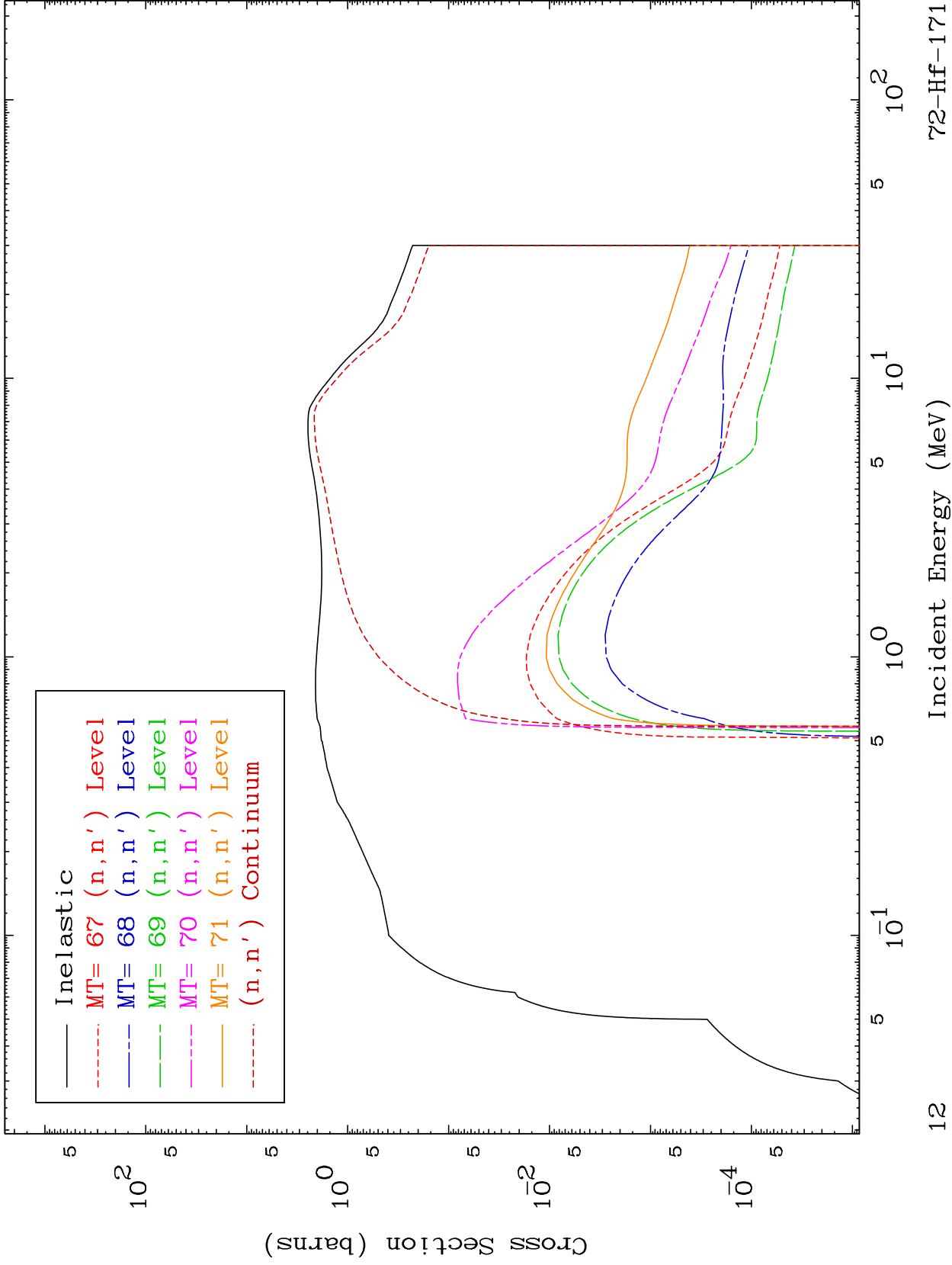
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MAT 7216

(n,n') Levels  
293 Kelvin Cross Sections

72-Hf-171

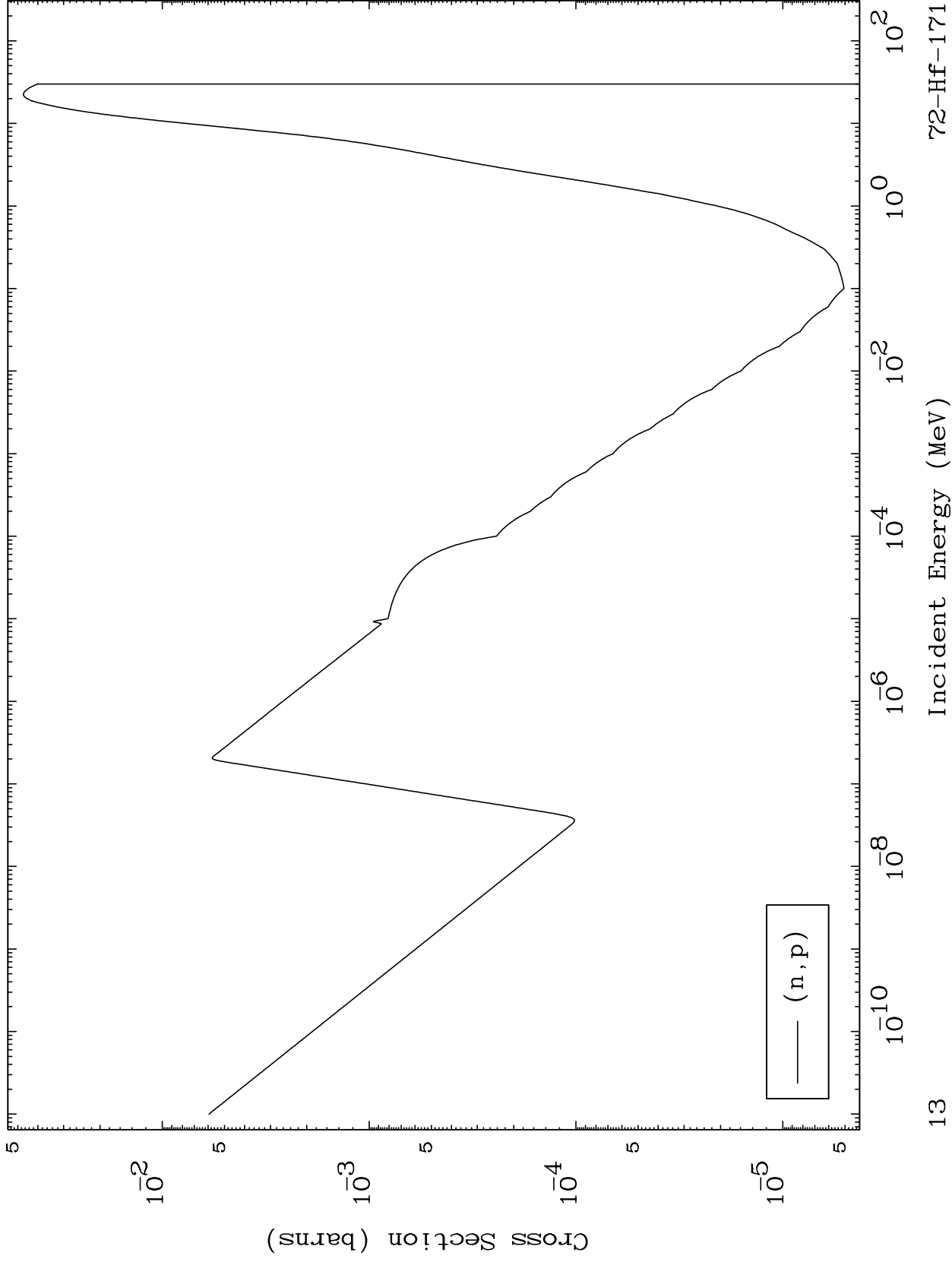




MAT 7216

(n,p) Levels  
293 Kelvin Cross Sections

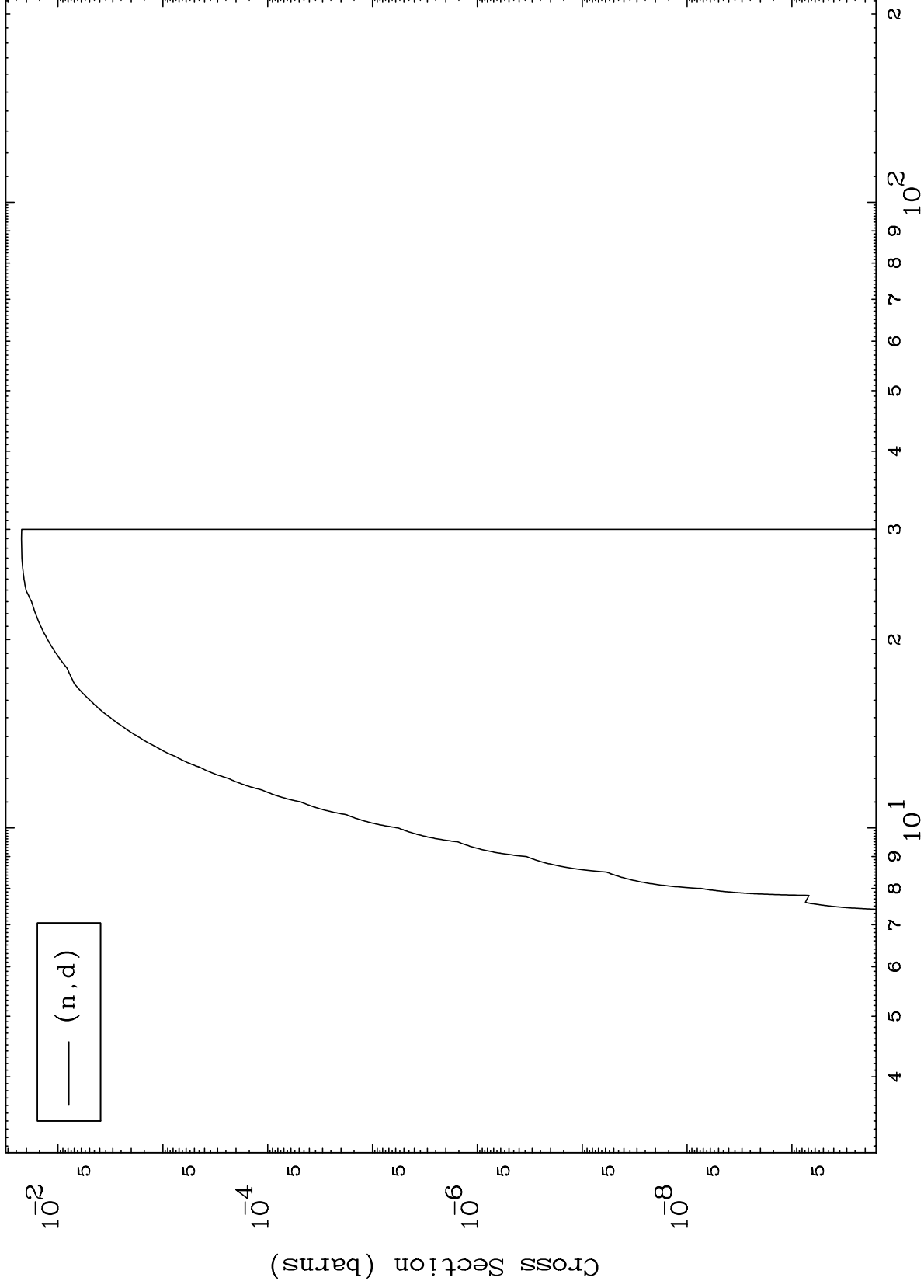
72-Hf-171



MAT 7216

(n,d) Levels  
293 Kelvin Cross Sections

72-Hf-171



14

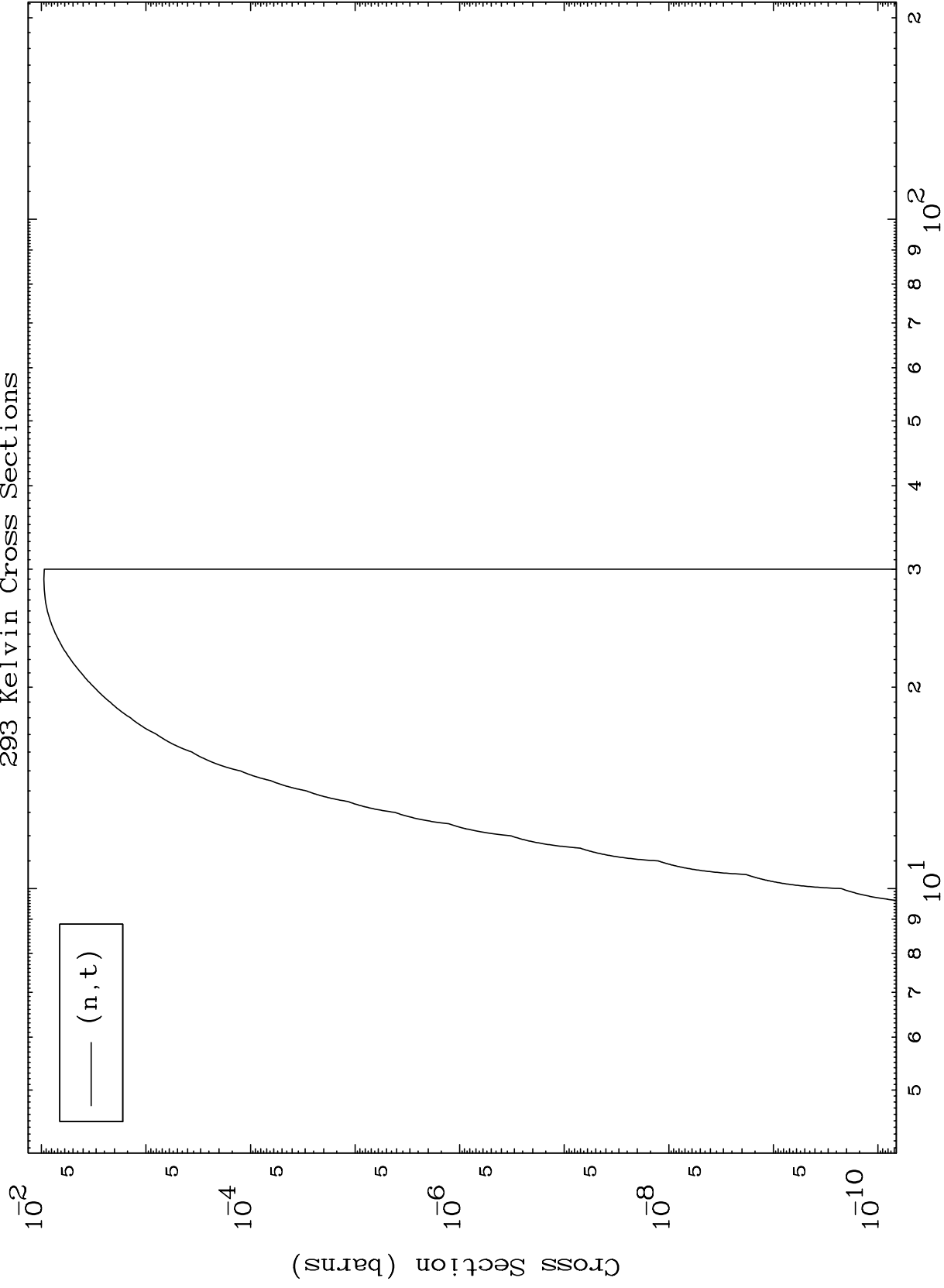
Incident Energy (MeV)

72-Hf-171

MAT 7216

(n,t) Levels  
293 Kelvin Cross Sections

72-Hf-171



15

Incident Energy (MeV)

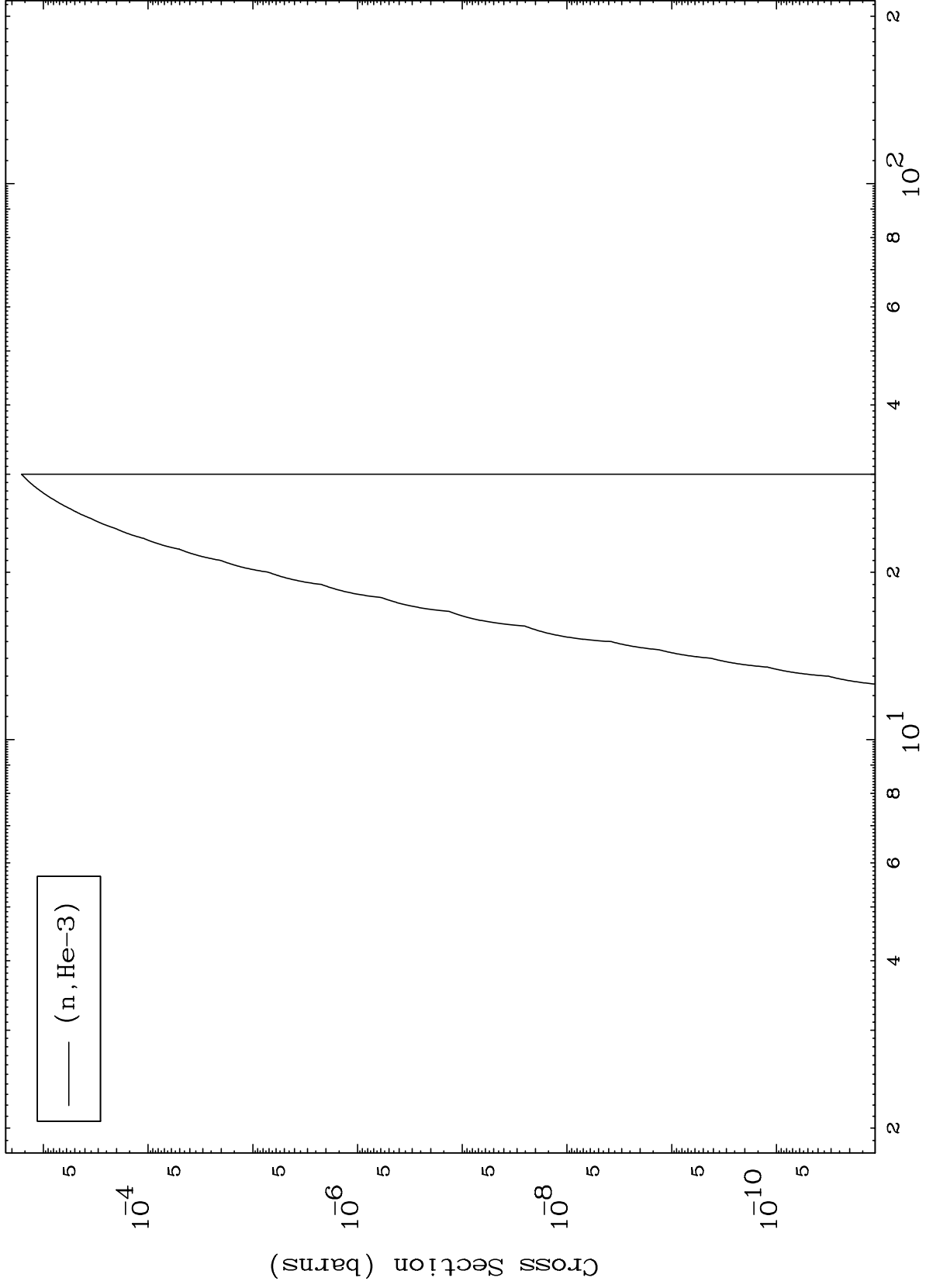
72-Hf-171



MAT 7216

(n,He3) Levels  
293 Kelvin Cross Sections

72-Hf-171



16

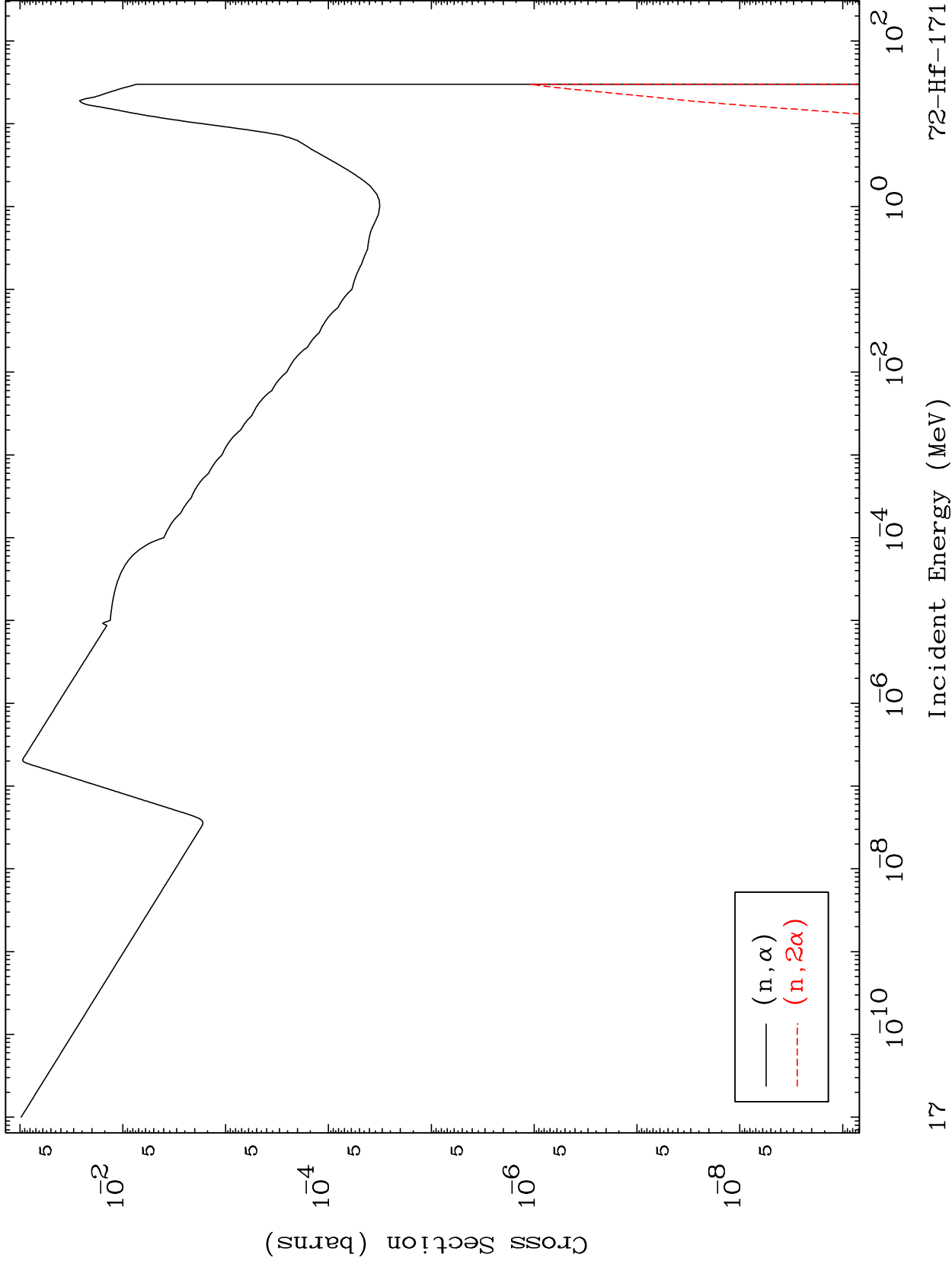
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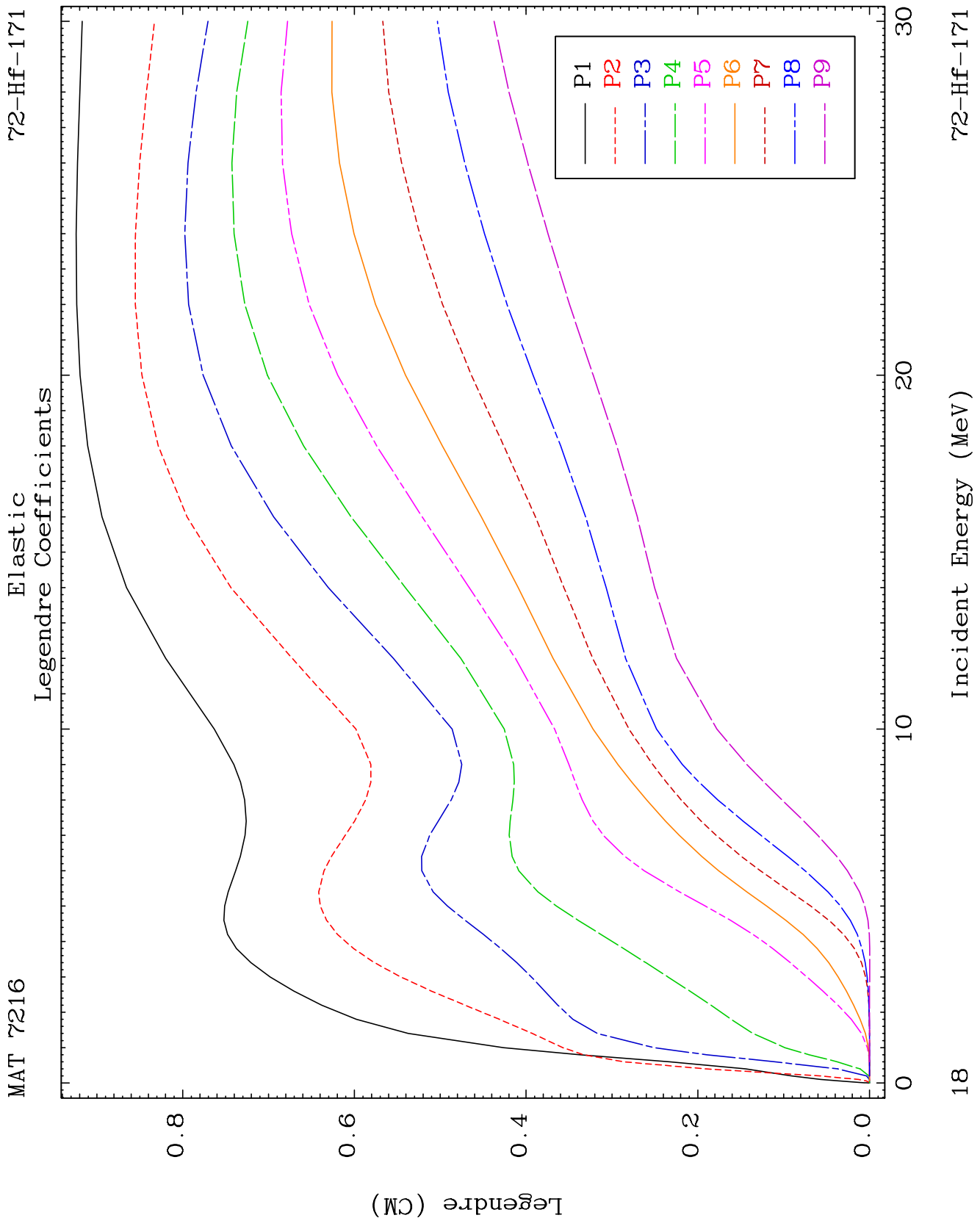
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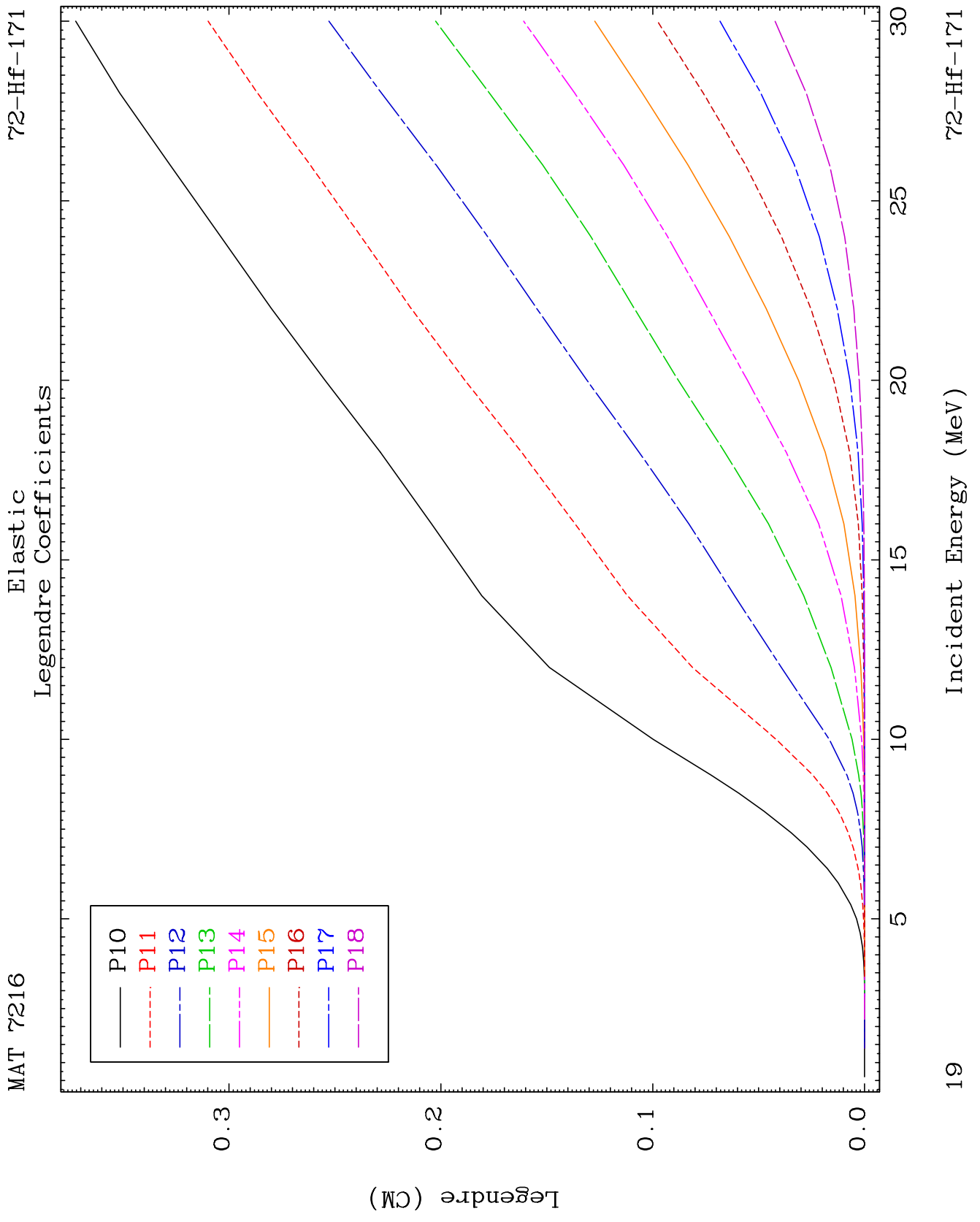
MAT 7216

(n,α) Levels  
293 Kelvin Cross Sections

72-Hf-171



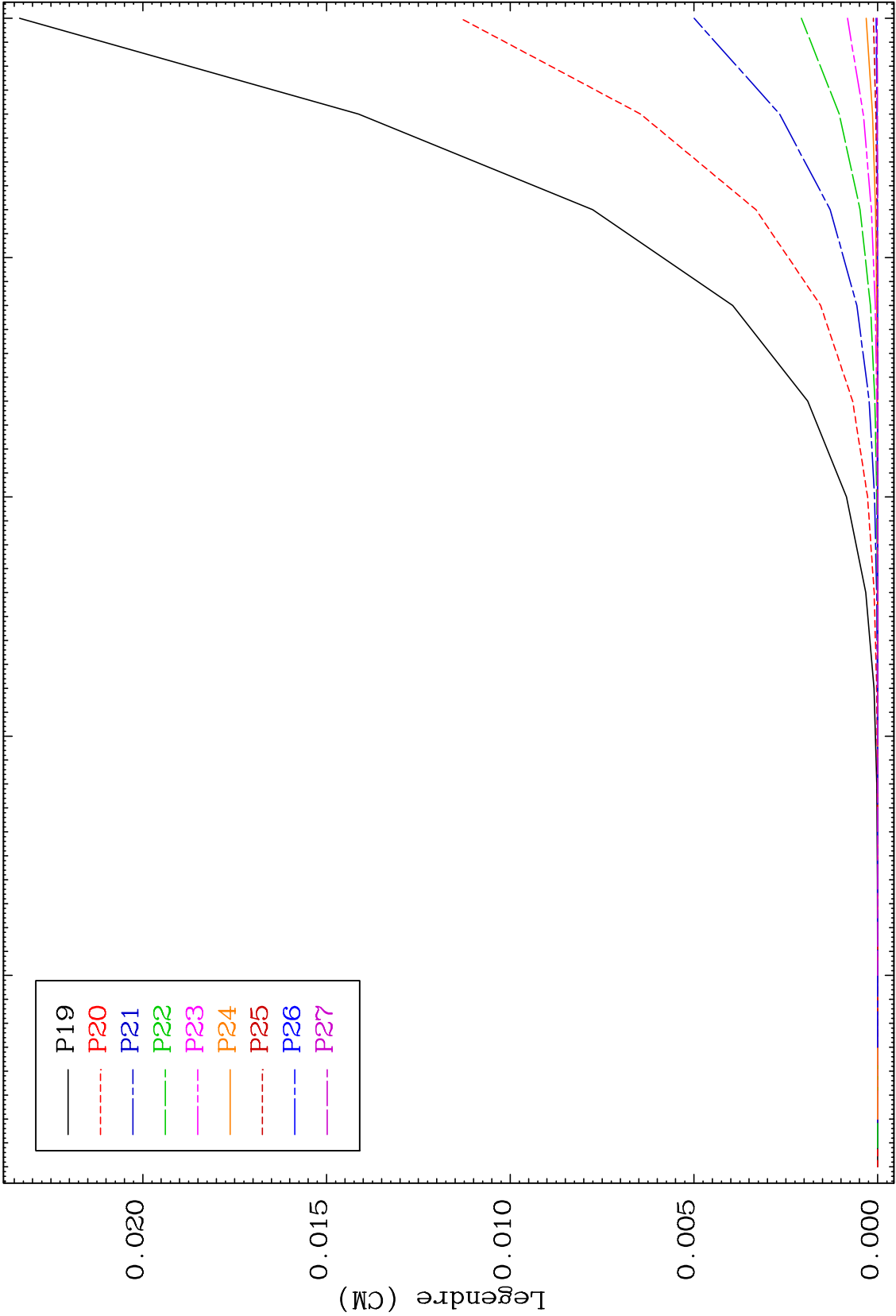




MAT 7216

Elastic Legendre Coefficients

72-Hf-171



20

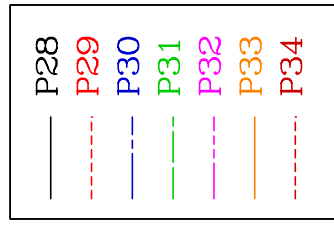
Incident Energy (MeV)

72-Hf-171

MAT 7216

Elastic  
Legendre Coefficients

72-Hf-171



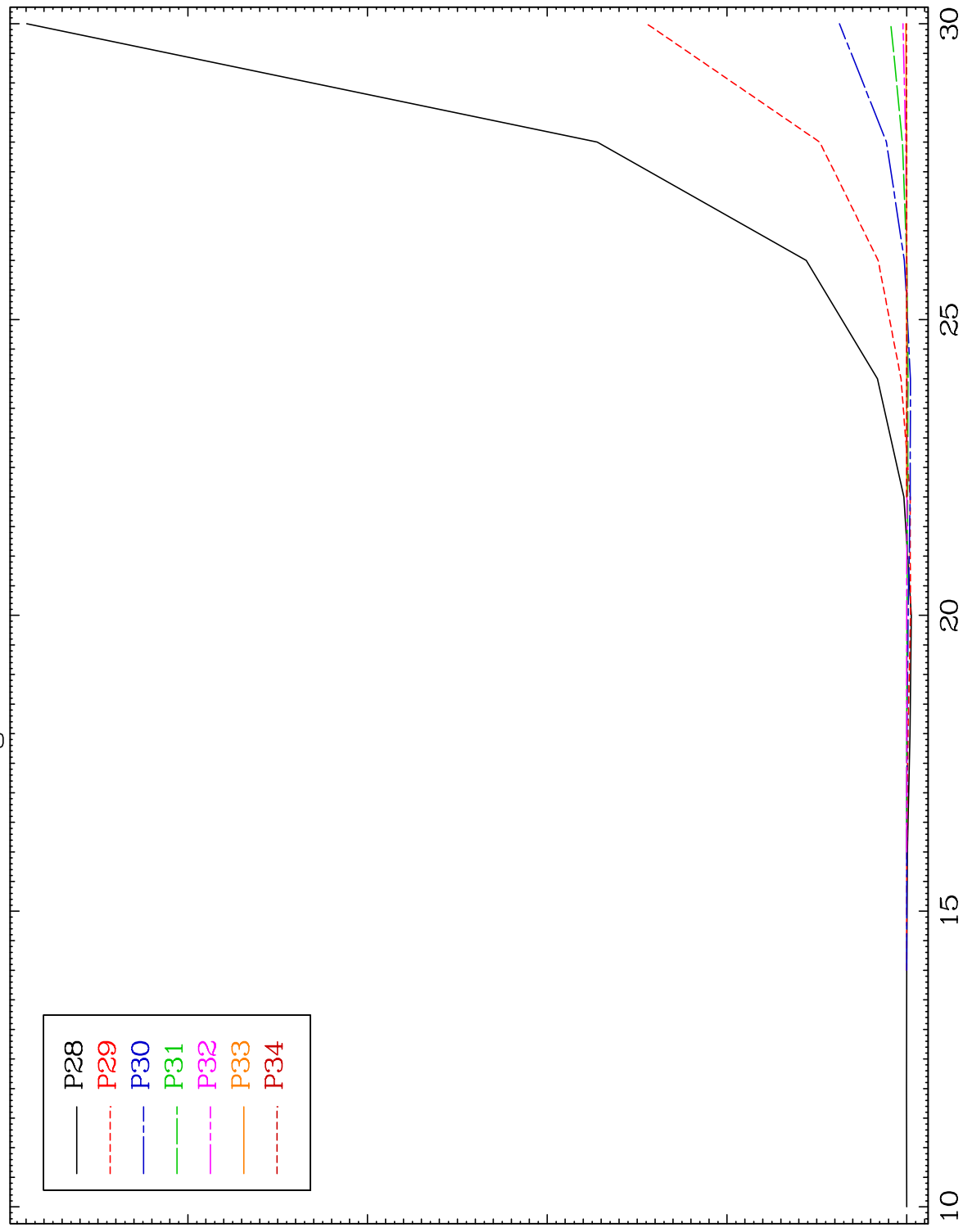
$\times 10^{-6}$

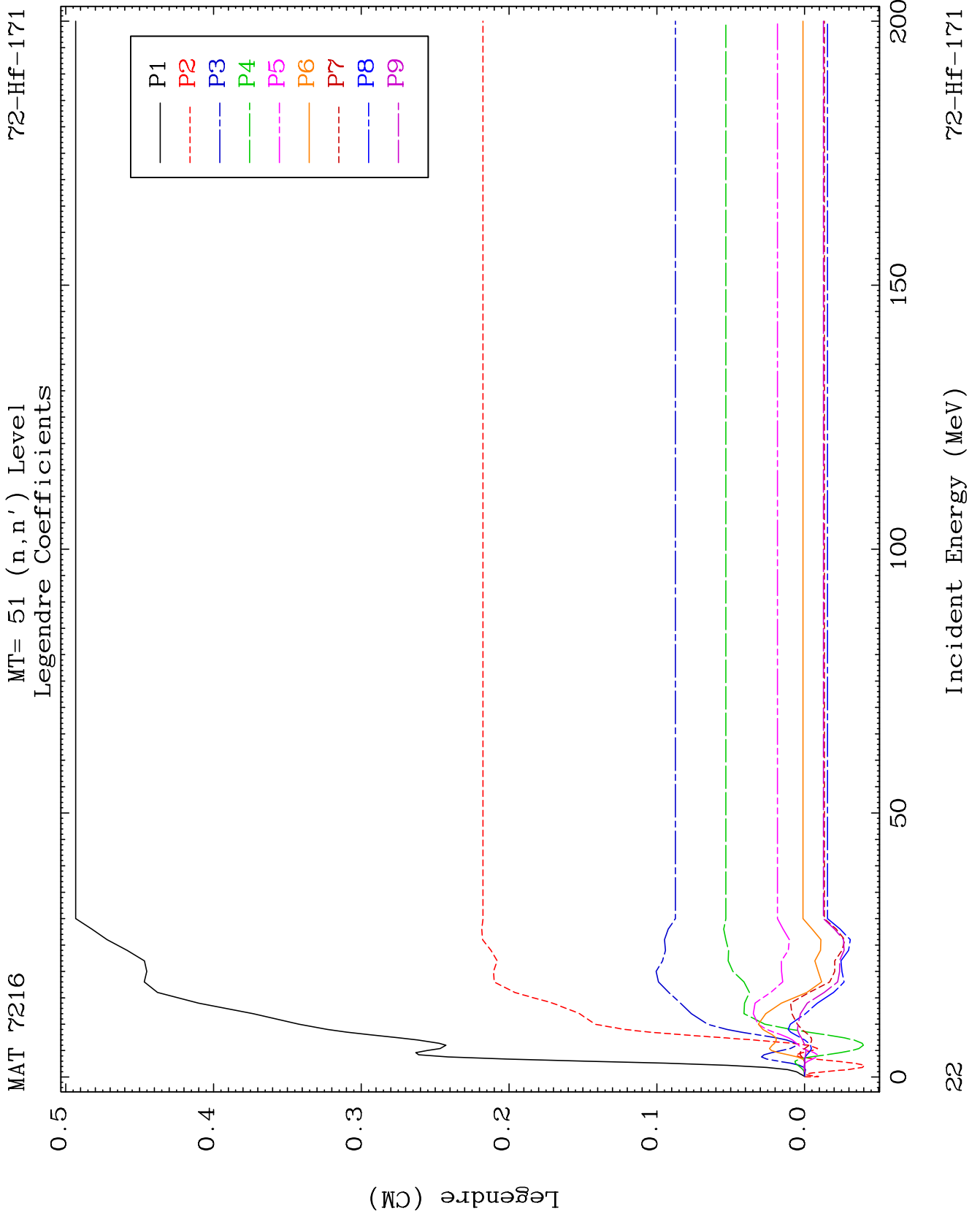
Legendre (CM)

21

Incident Energy (MeV)

72-Hf-171

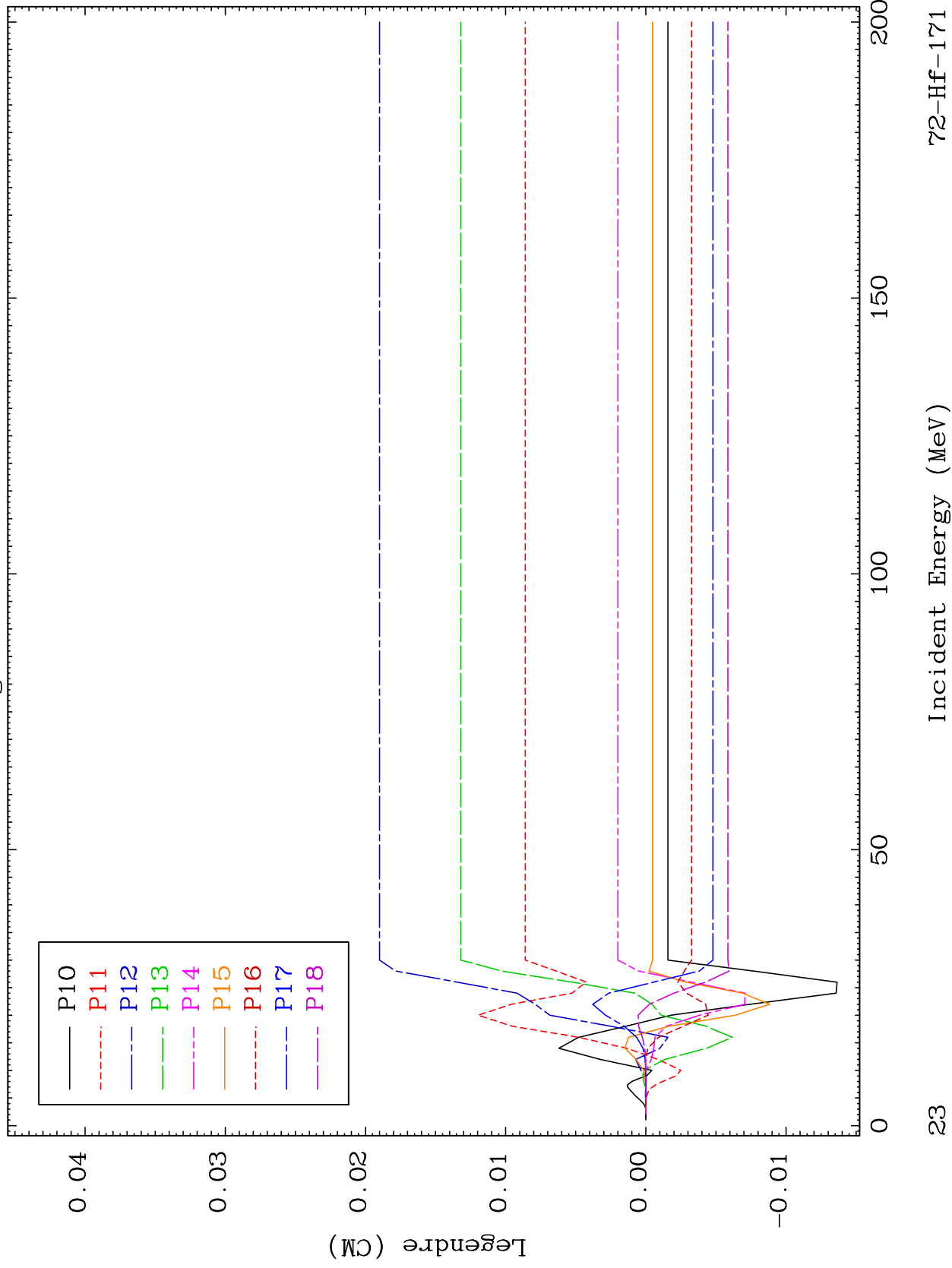




MAT 7216

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

72-Hf-171

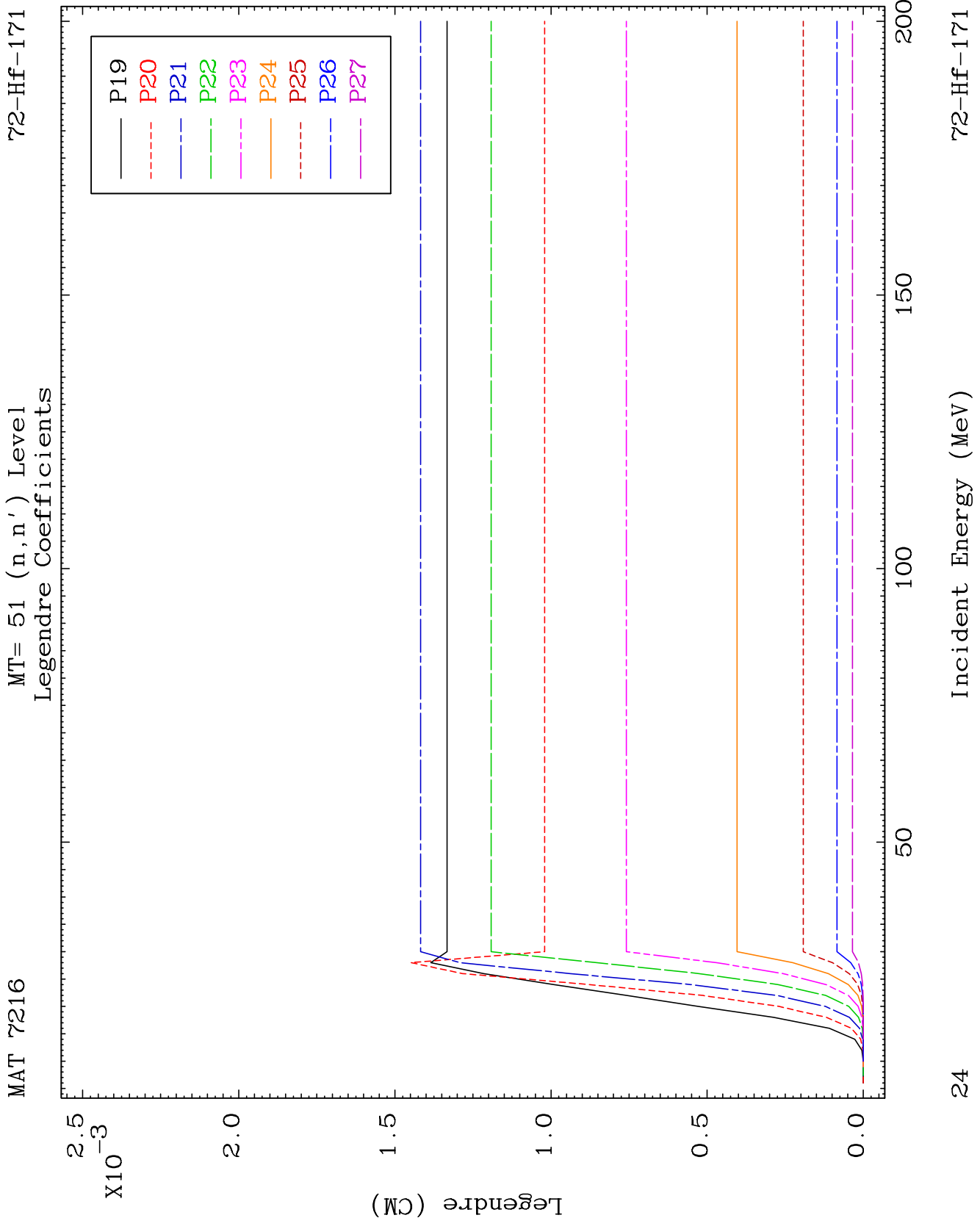


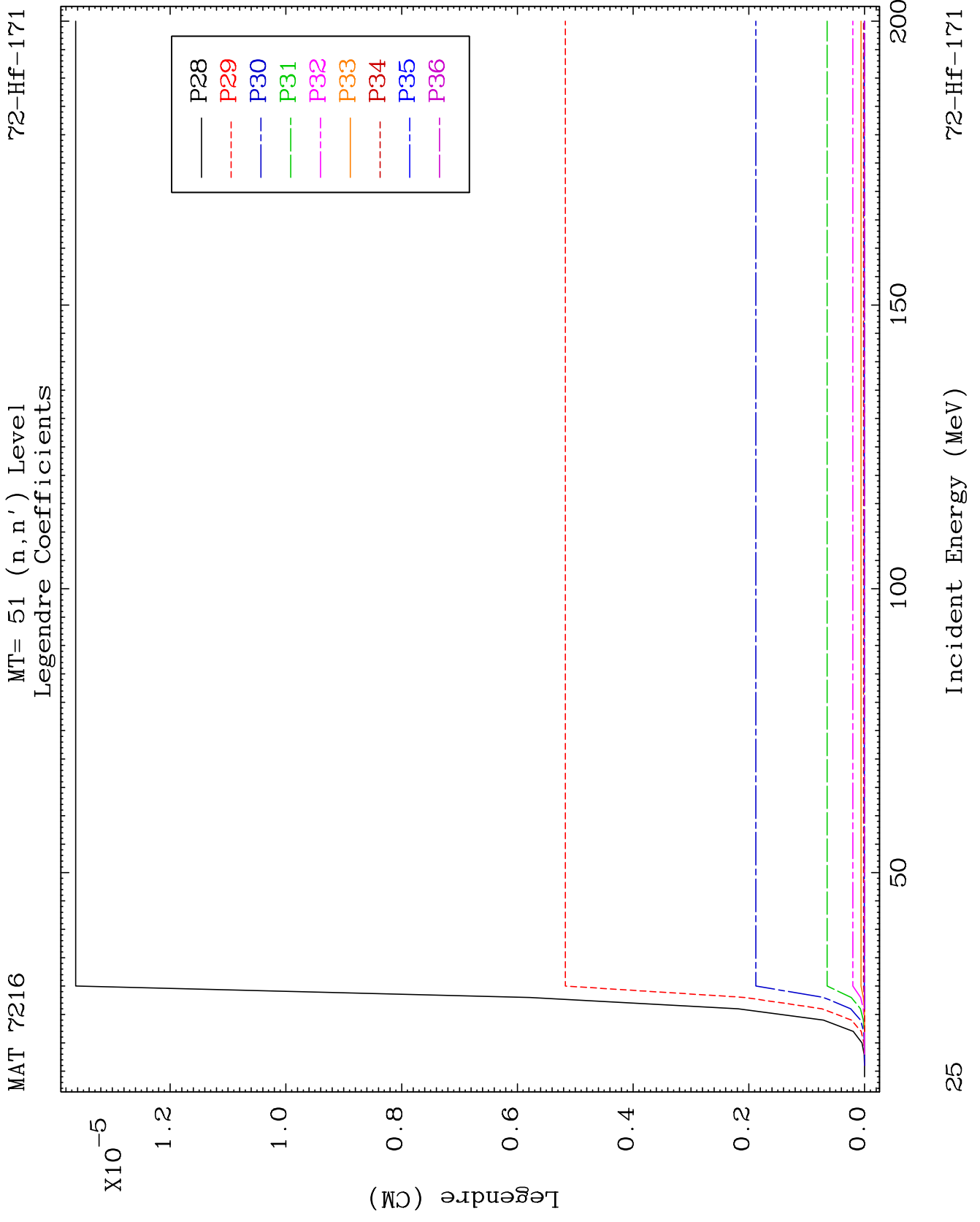
23

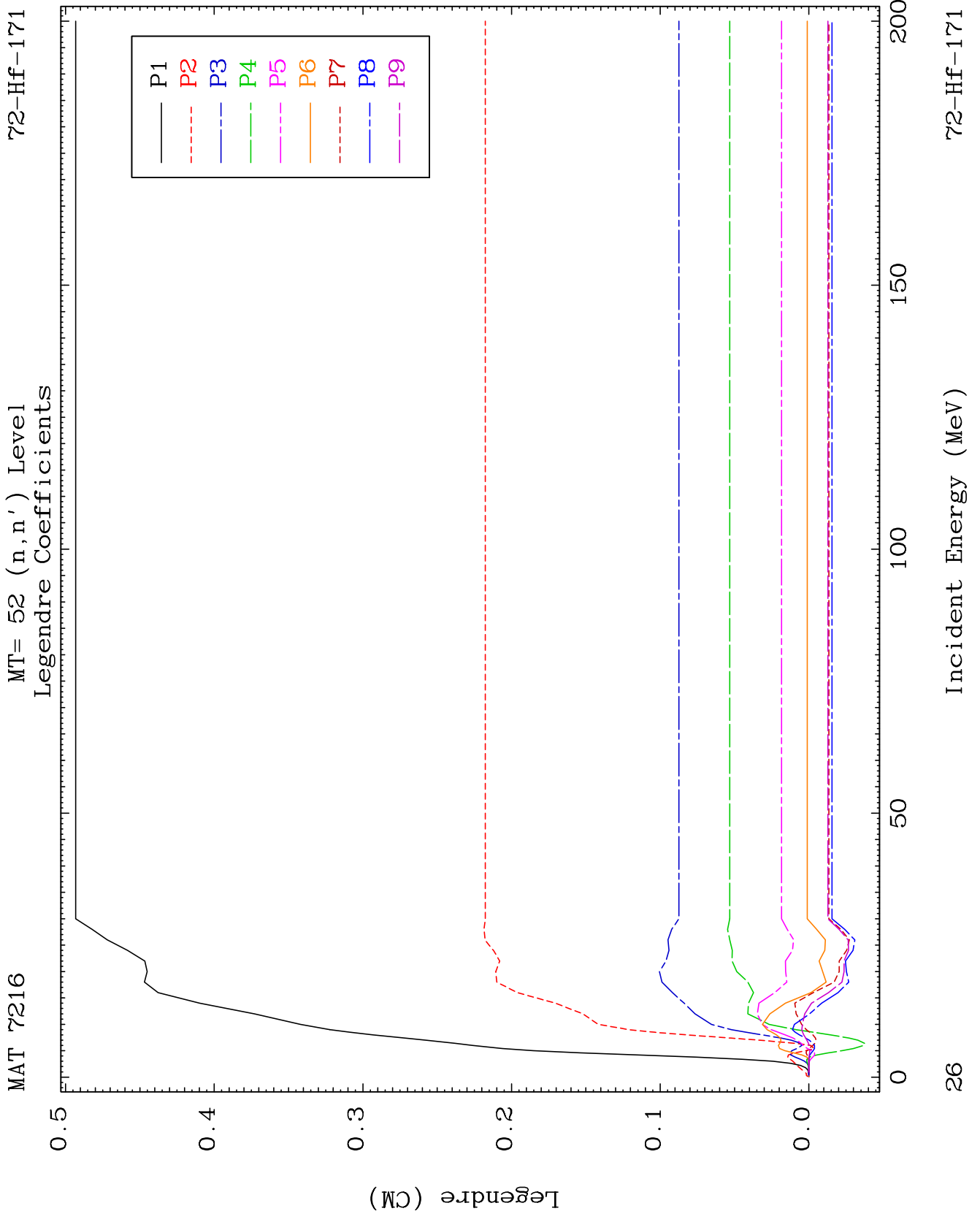
Incident Energy (MeV)

72-Hf-171





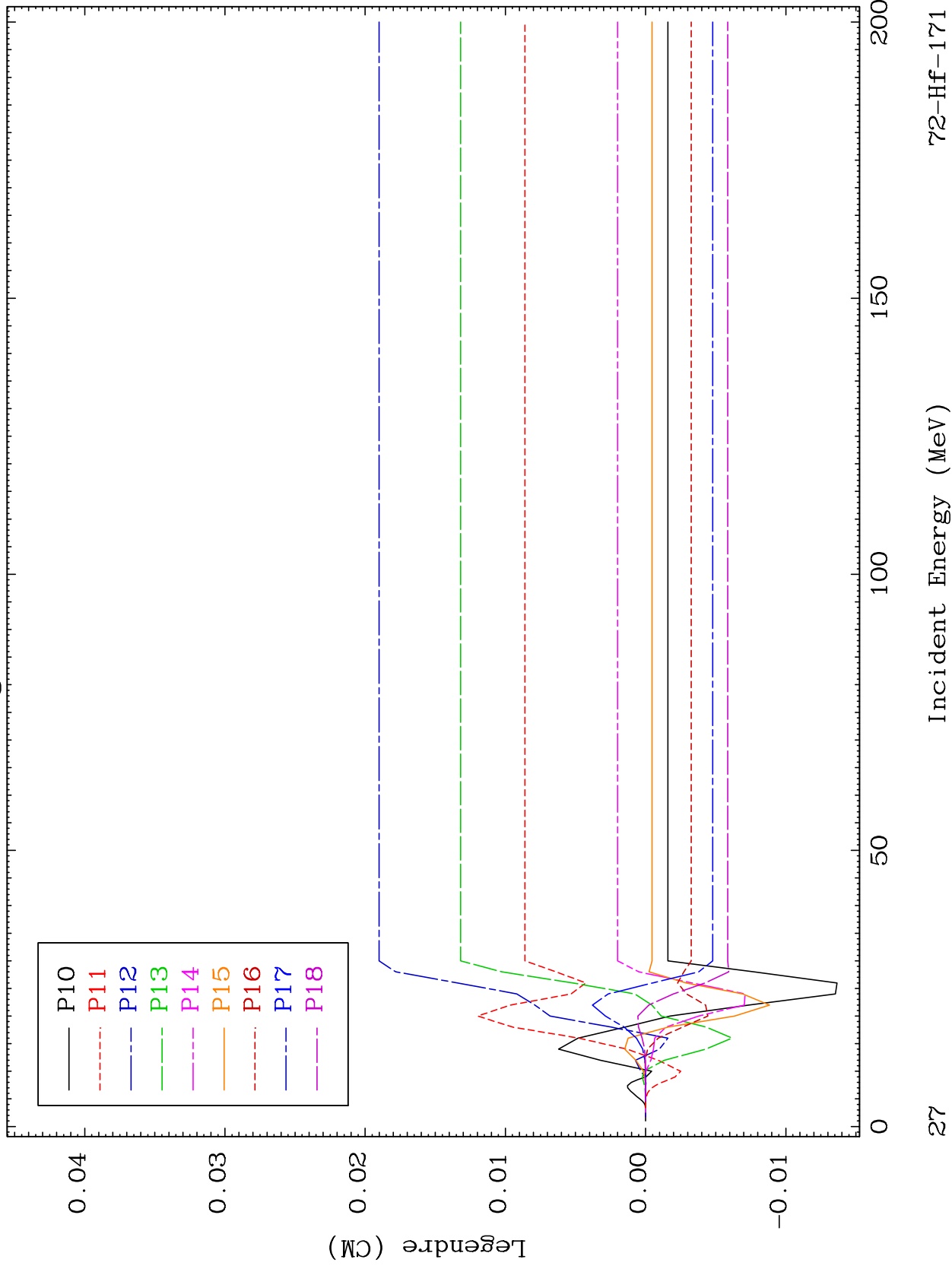




MAT 7216

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

72-Hf-171



27

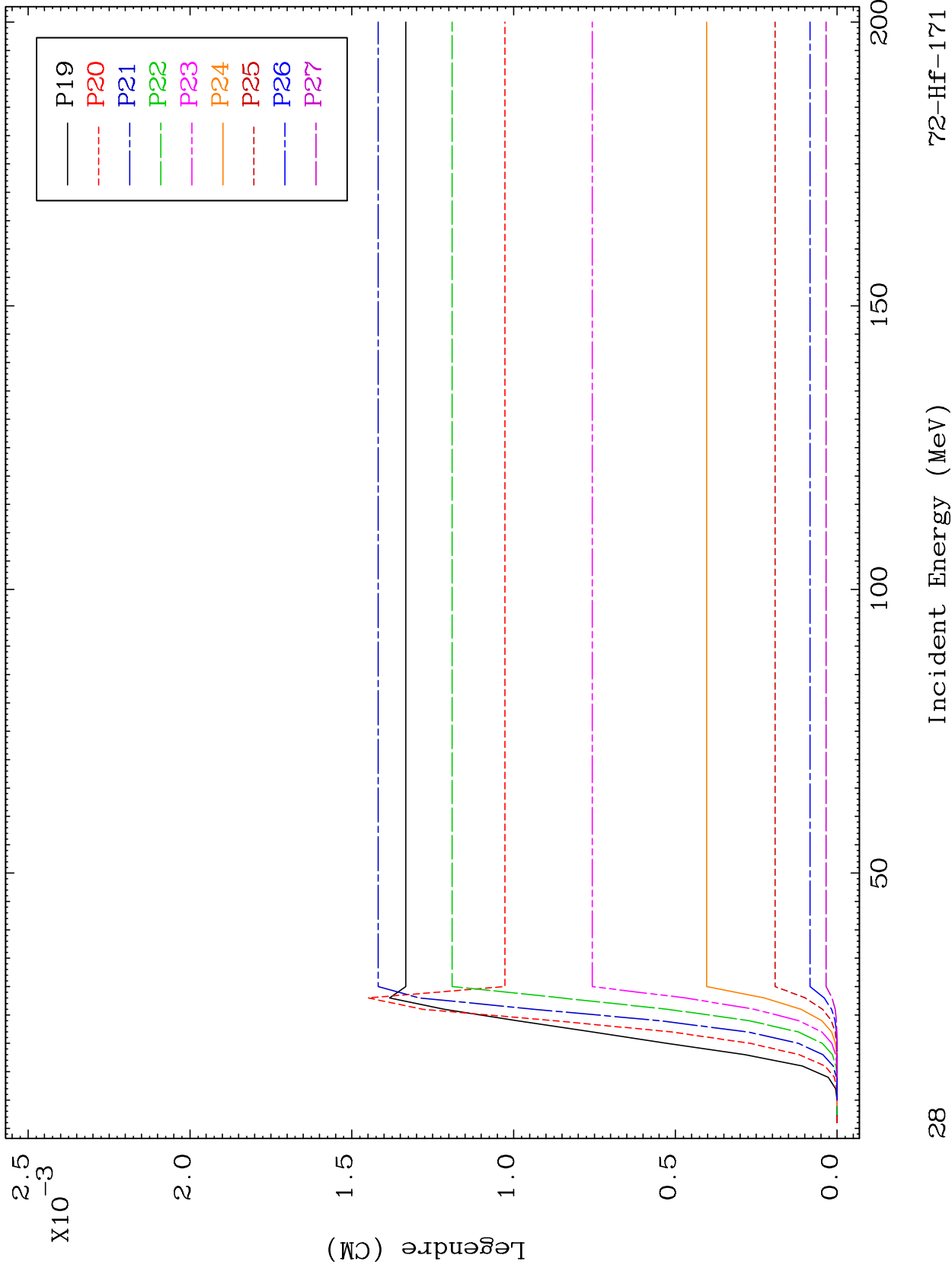
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



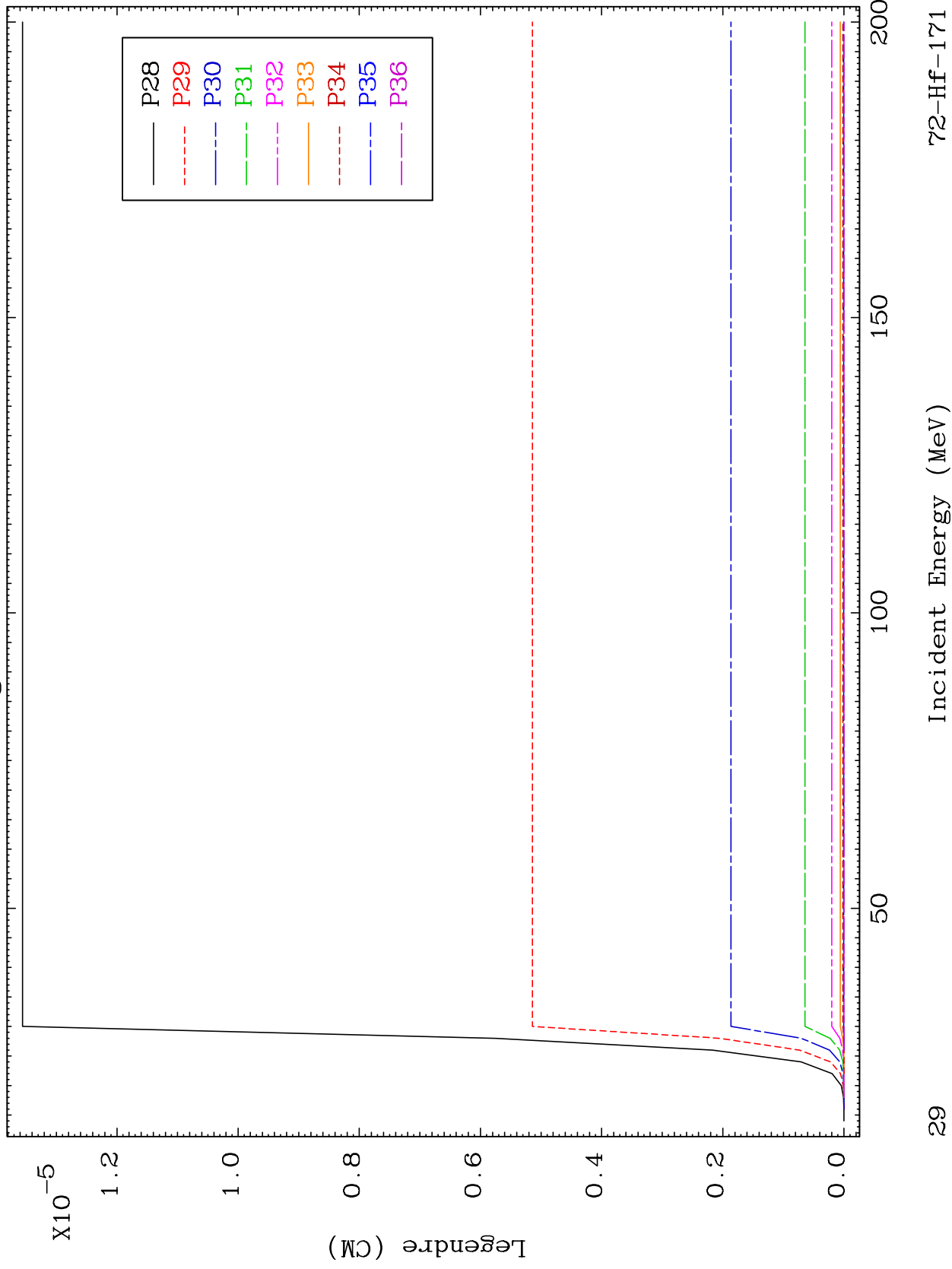
28

72-Hf-171

MAT 7216

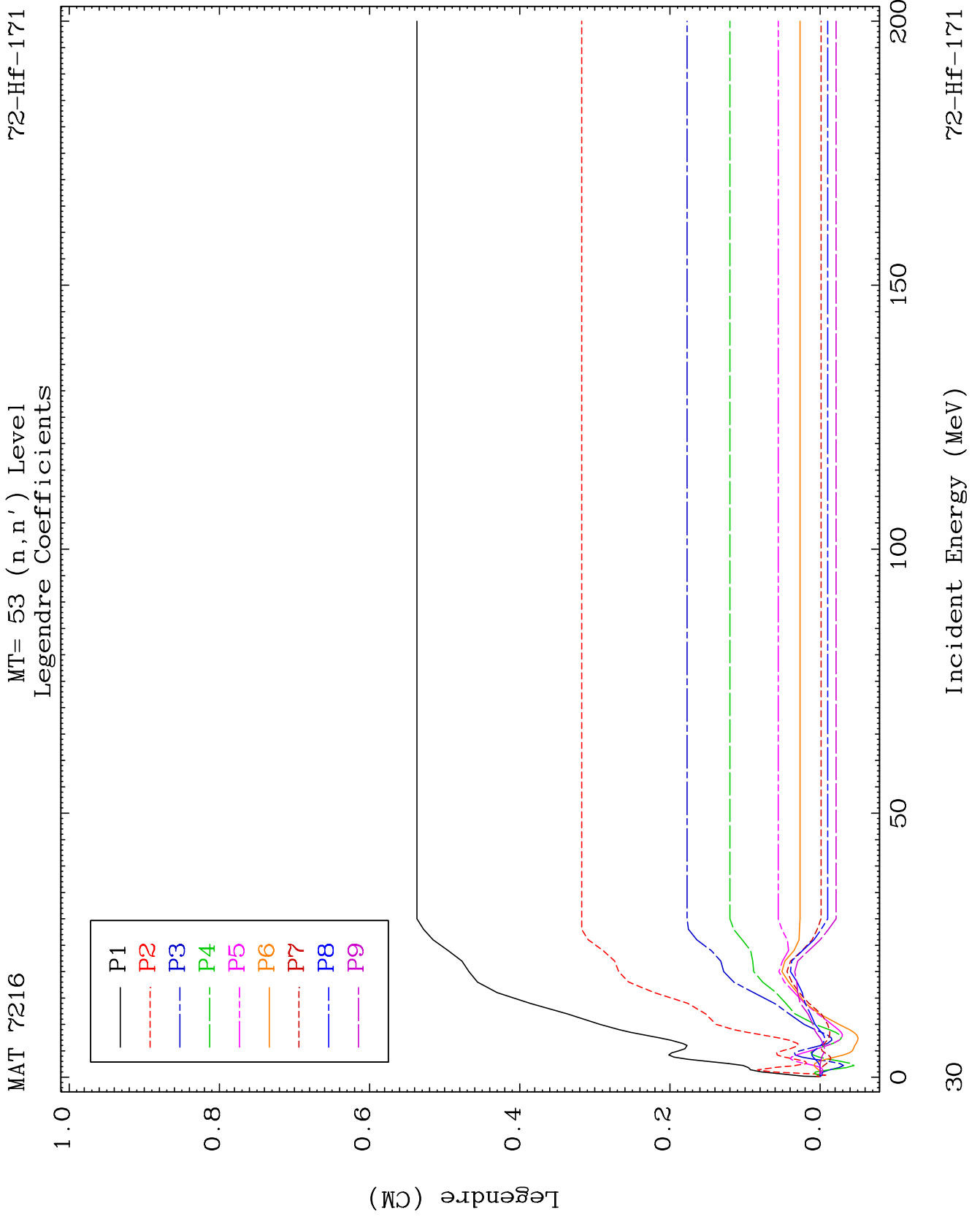
MT= 52 (n,n') Level  
Legendre Coefficients

72-Hf-171



29

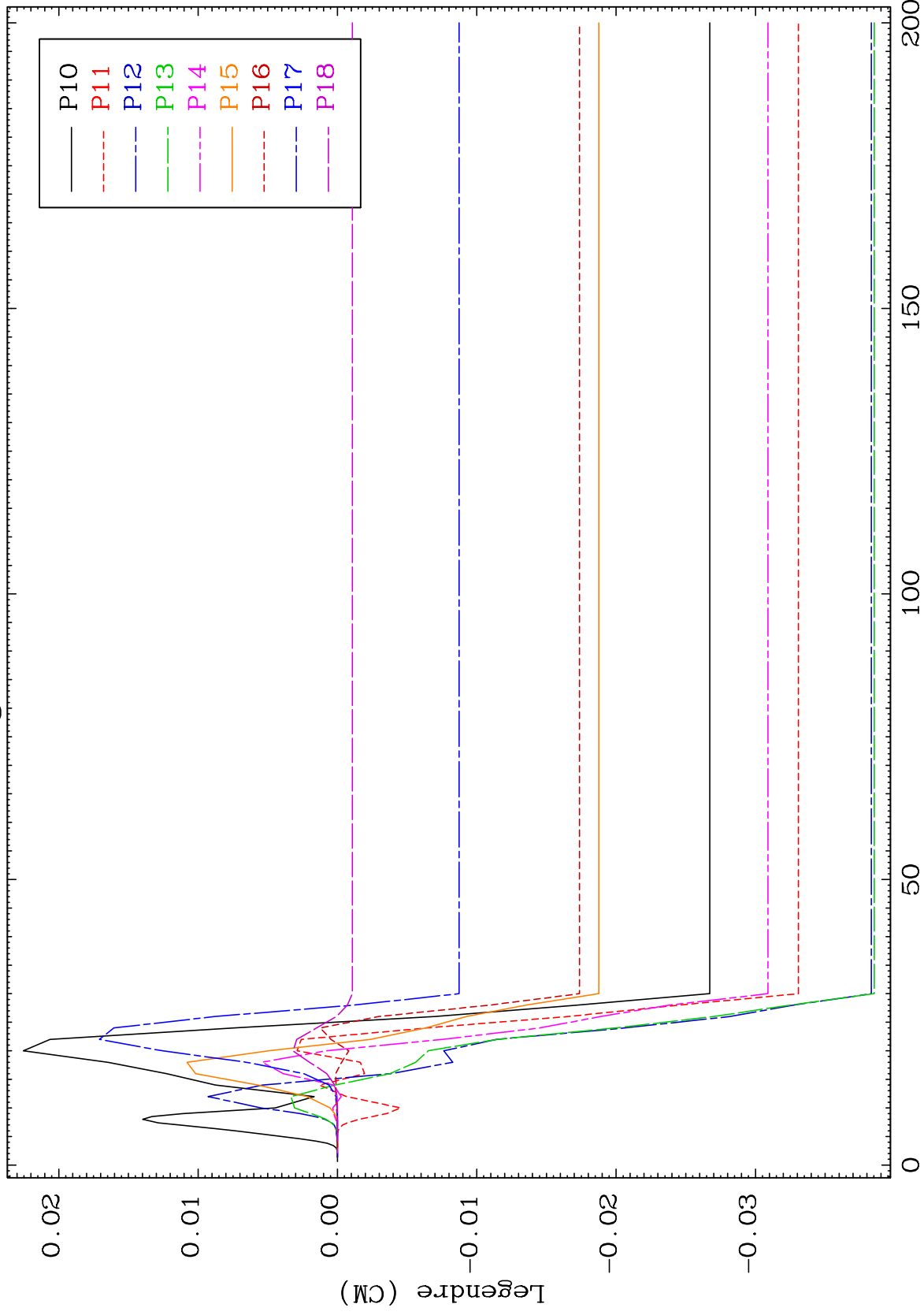
72-Hf-171



MAT 7216

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

72-Hf-171



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Incident Energy (MeV)

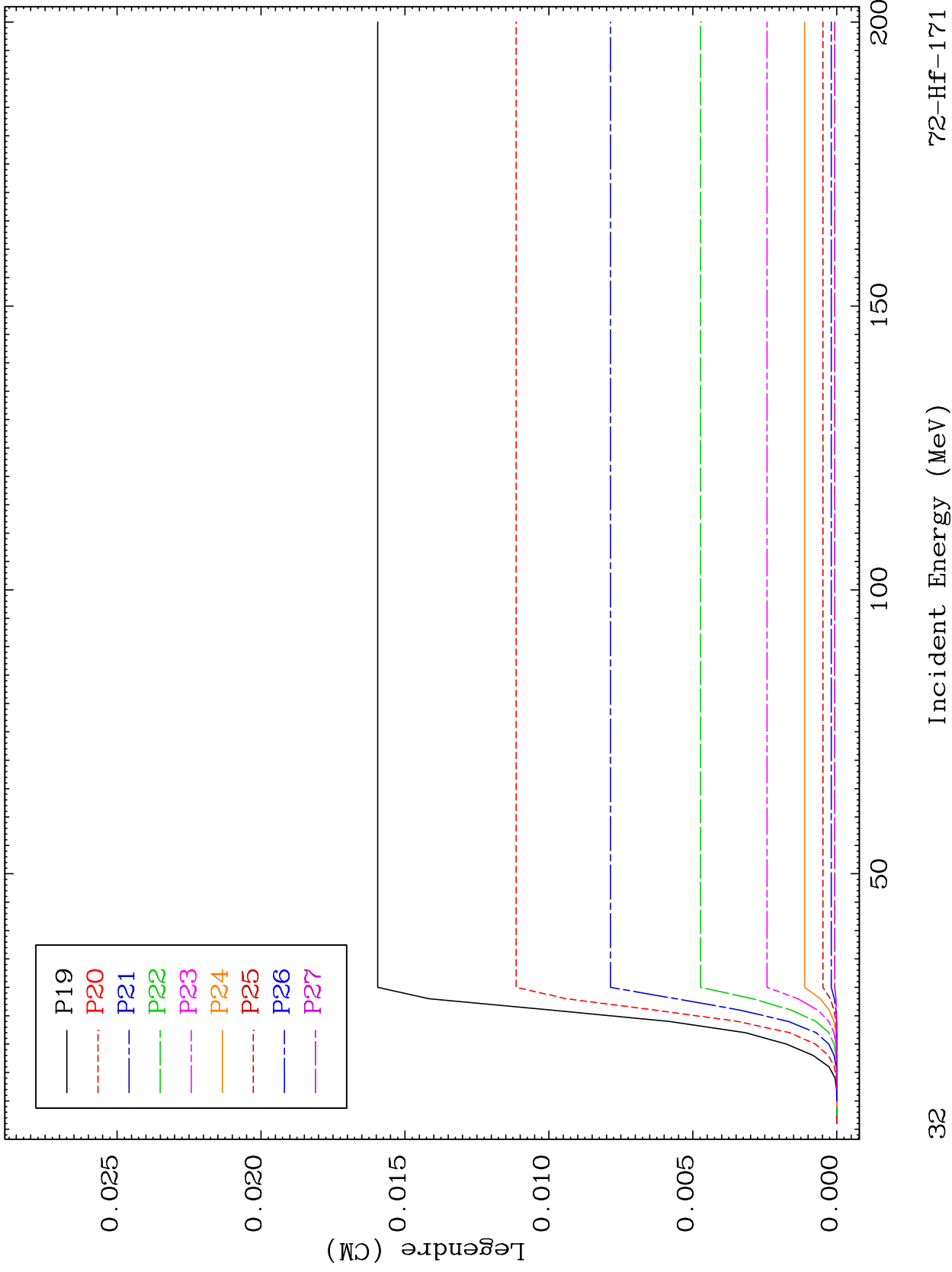
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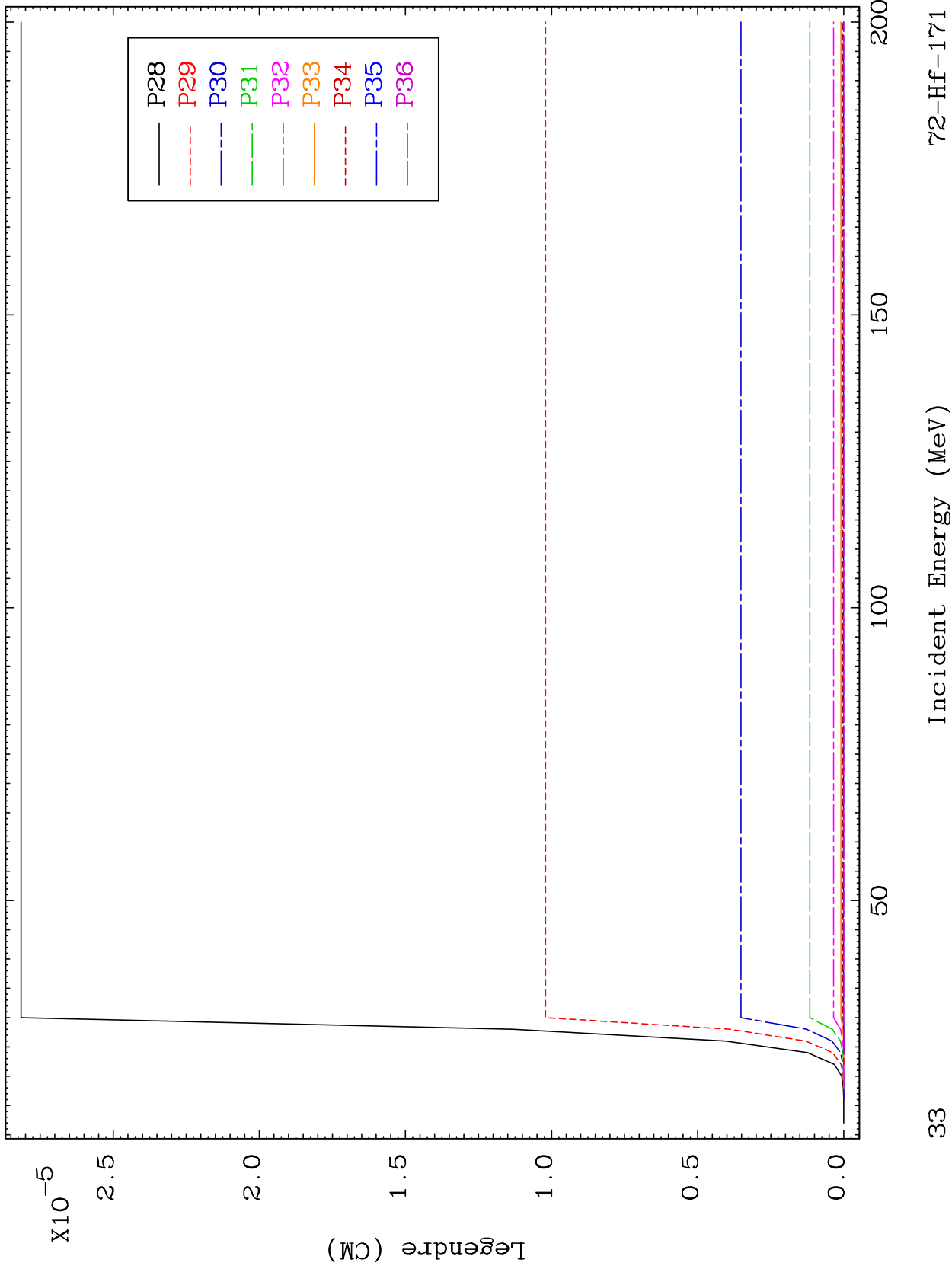


MAT 7216

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

72-Hf-171



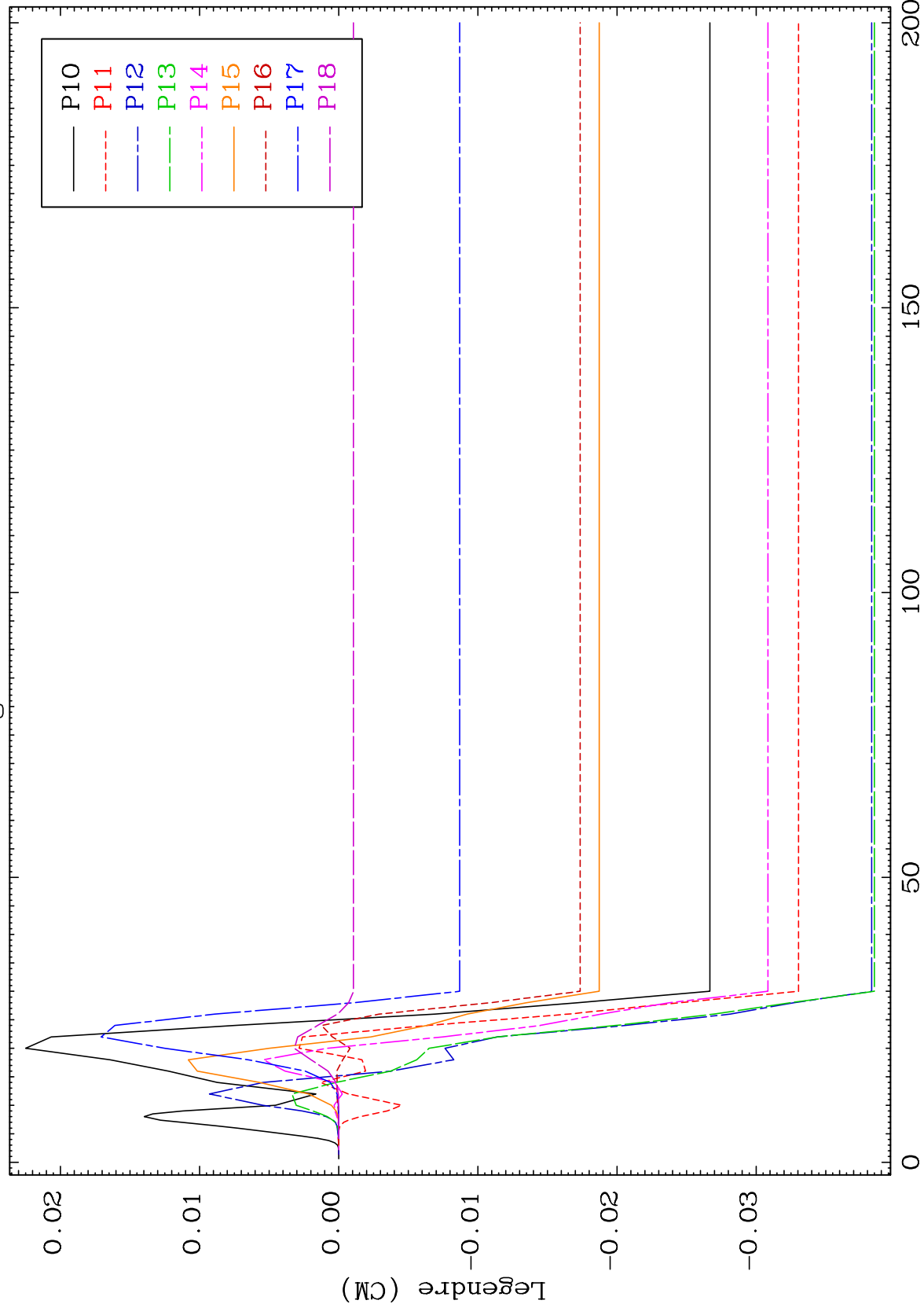




MAT 7216

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

72-Hf-171



35

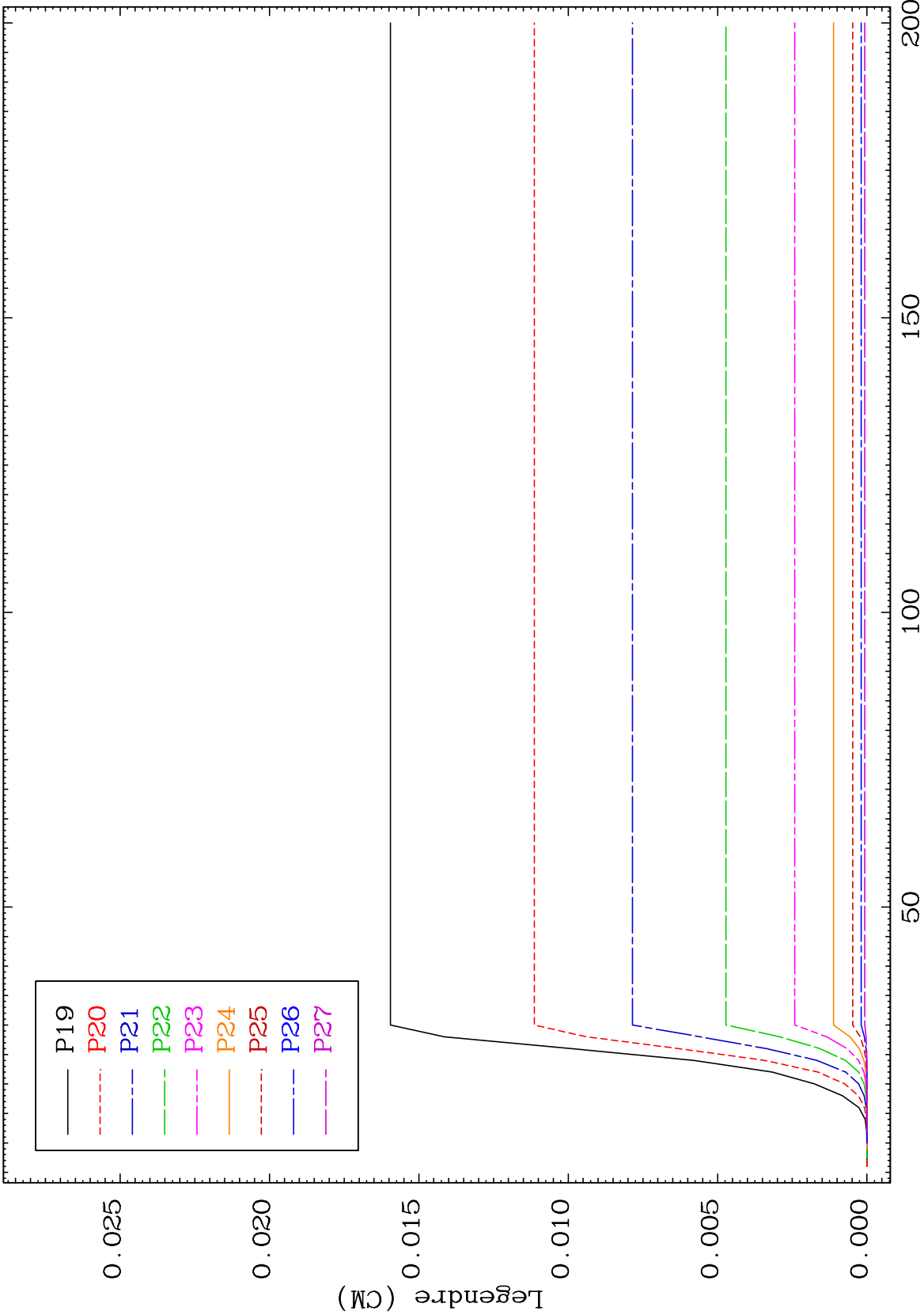
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



36

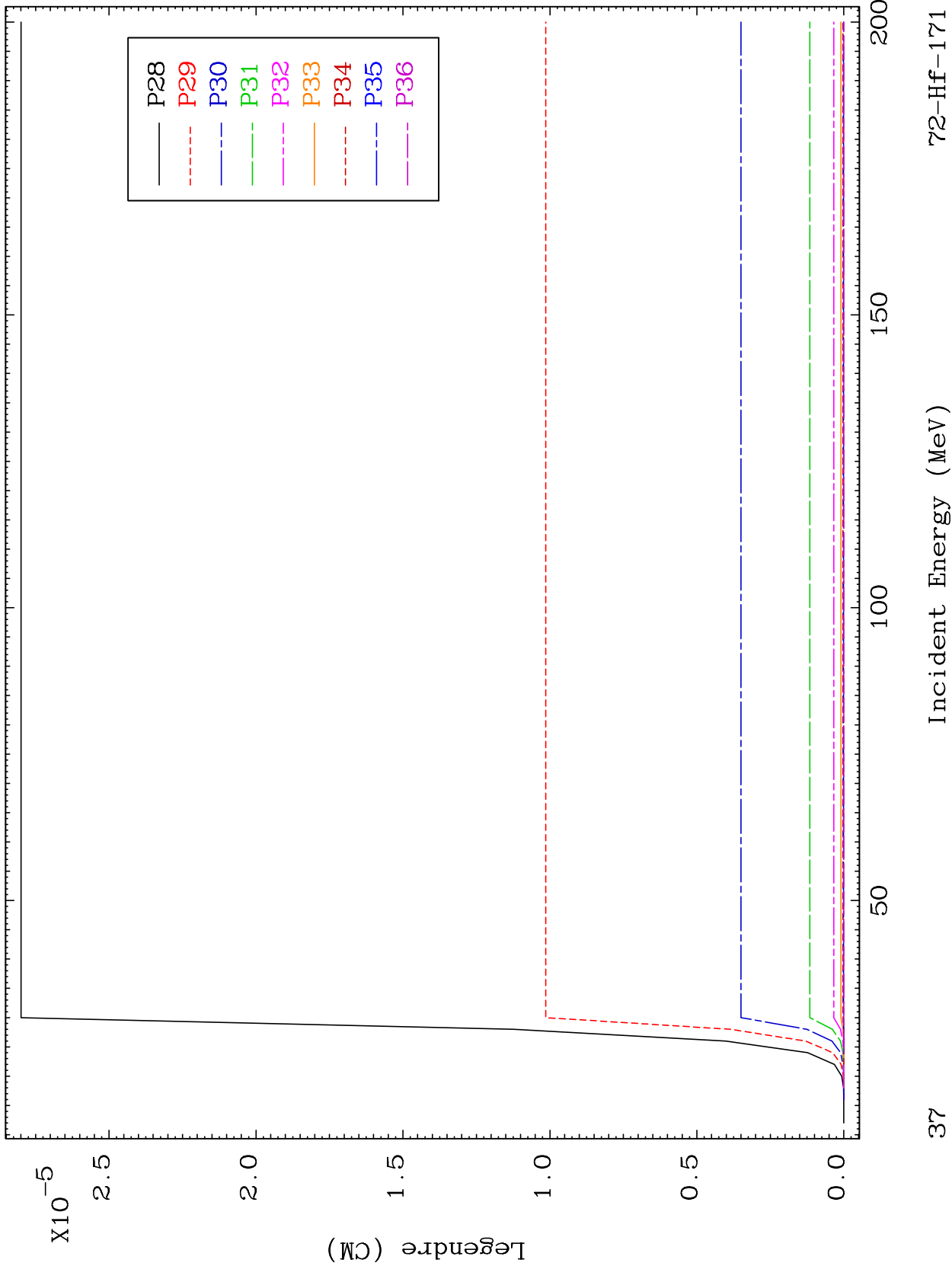
Incident Energy (MeV)

72-Hf-171

MAT 7216

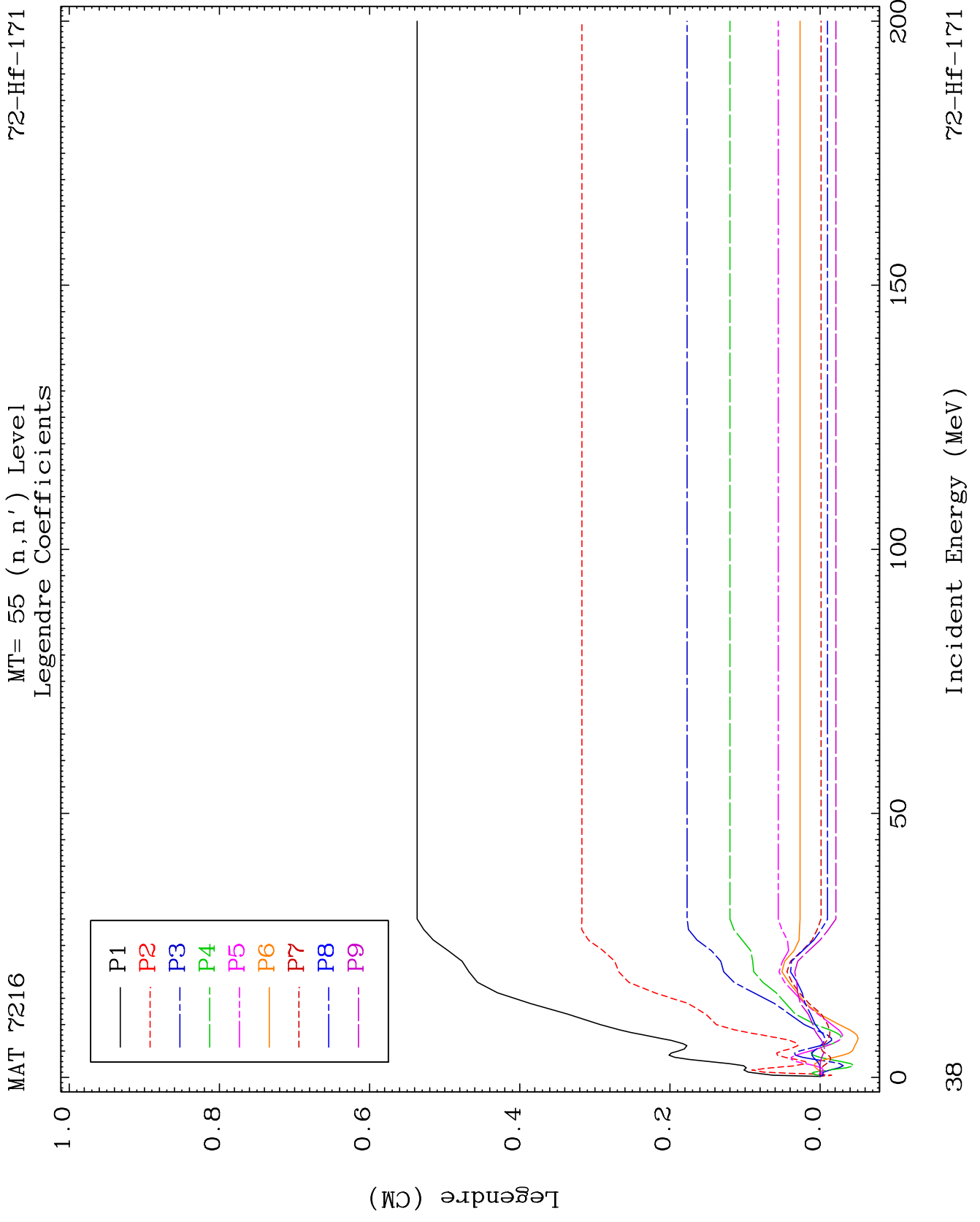
MT= 54 (n,n') Level  
Legendre Coefficients

72-Hf-171



37

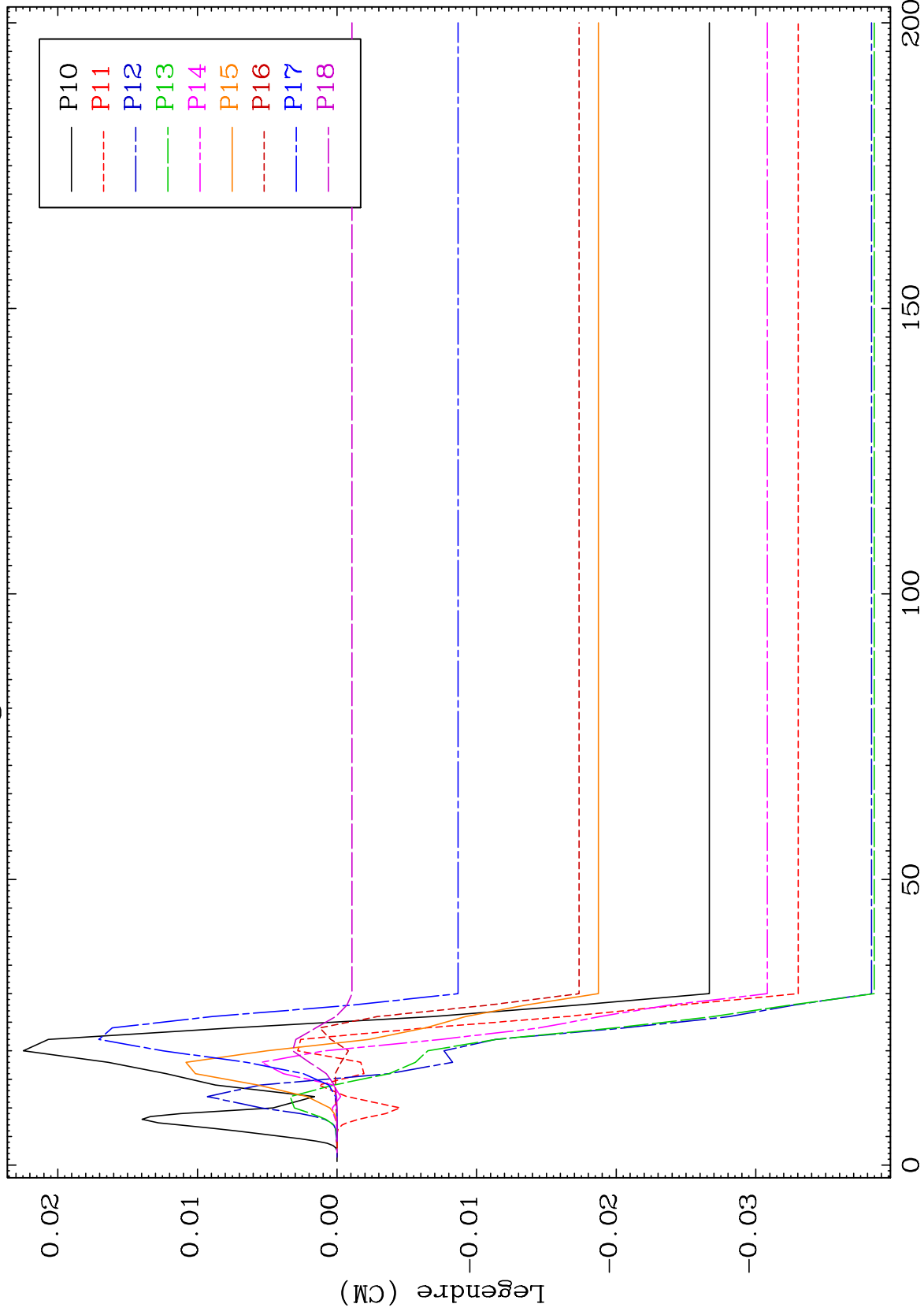
72-Hf-171



MAT 7216

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

72-Hf-171



39

Incident Energy (MeV)

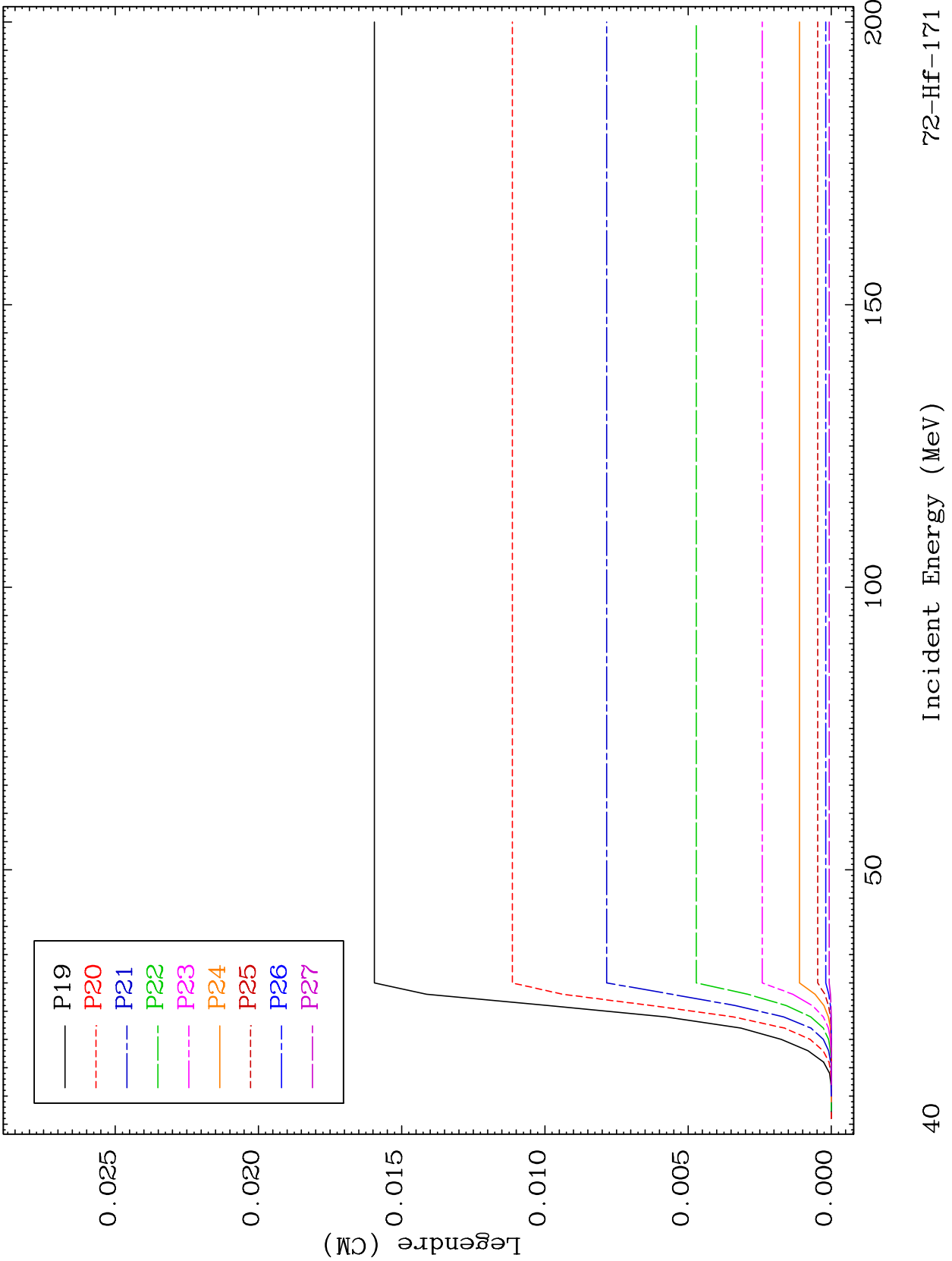
72-Hf-171



MAT 7216

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

72-Hf-171



72-Hf-171

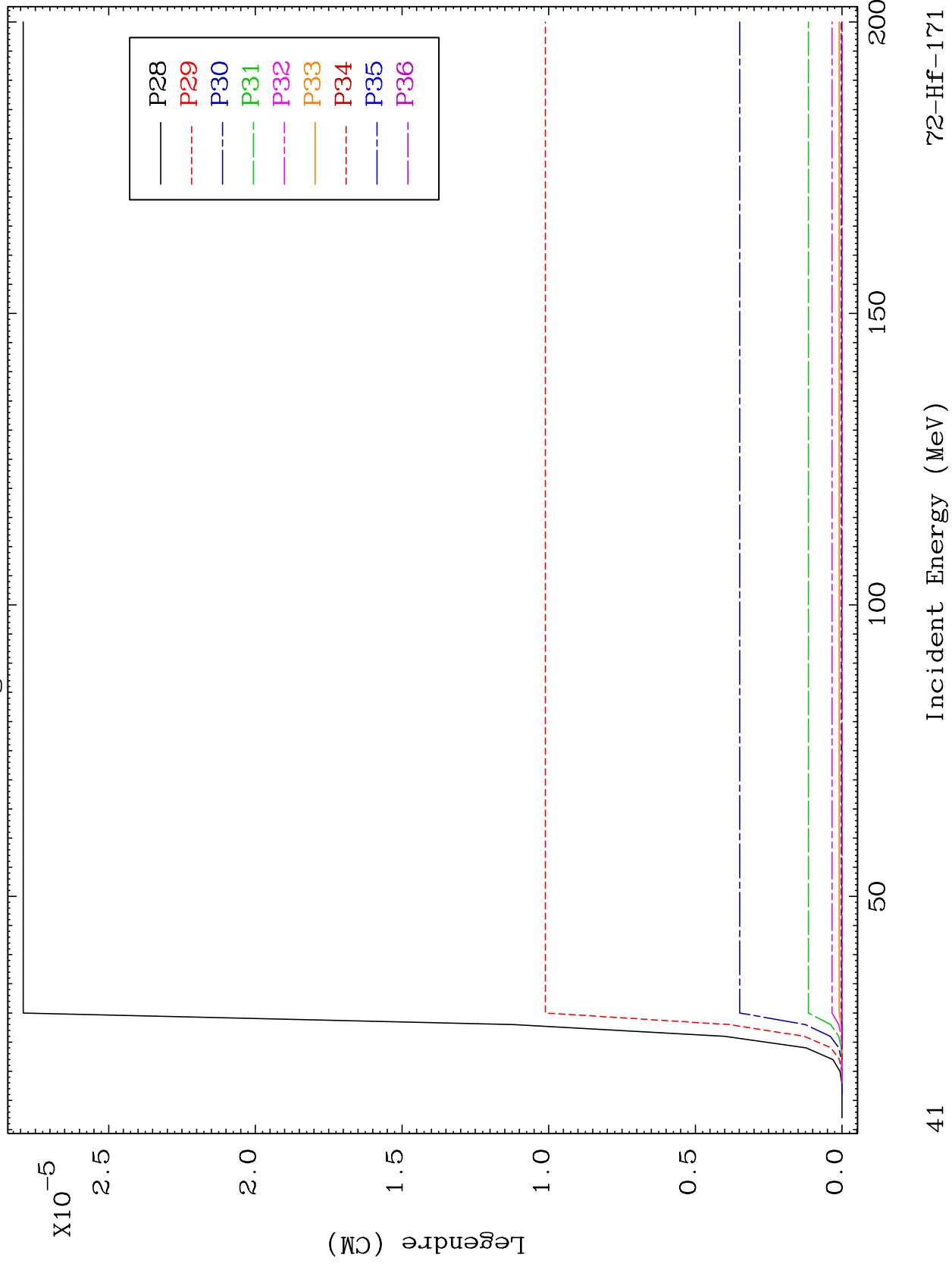
Incident Energy (MeV)

40

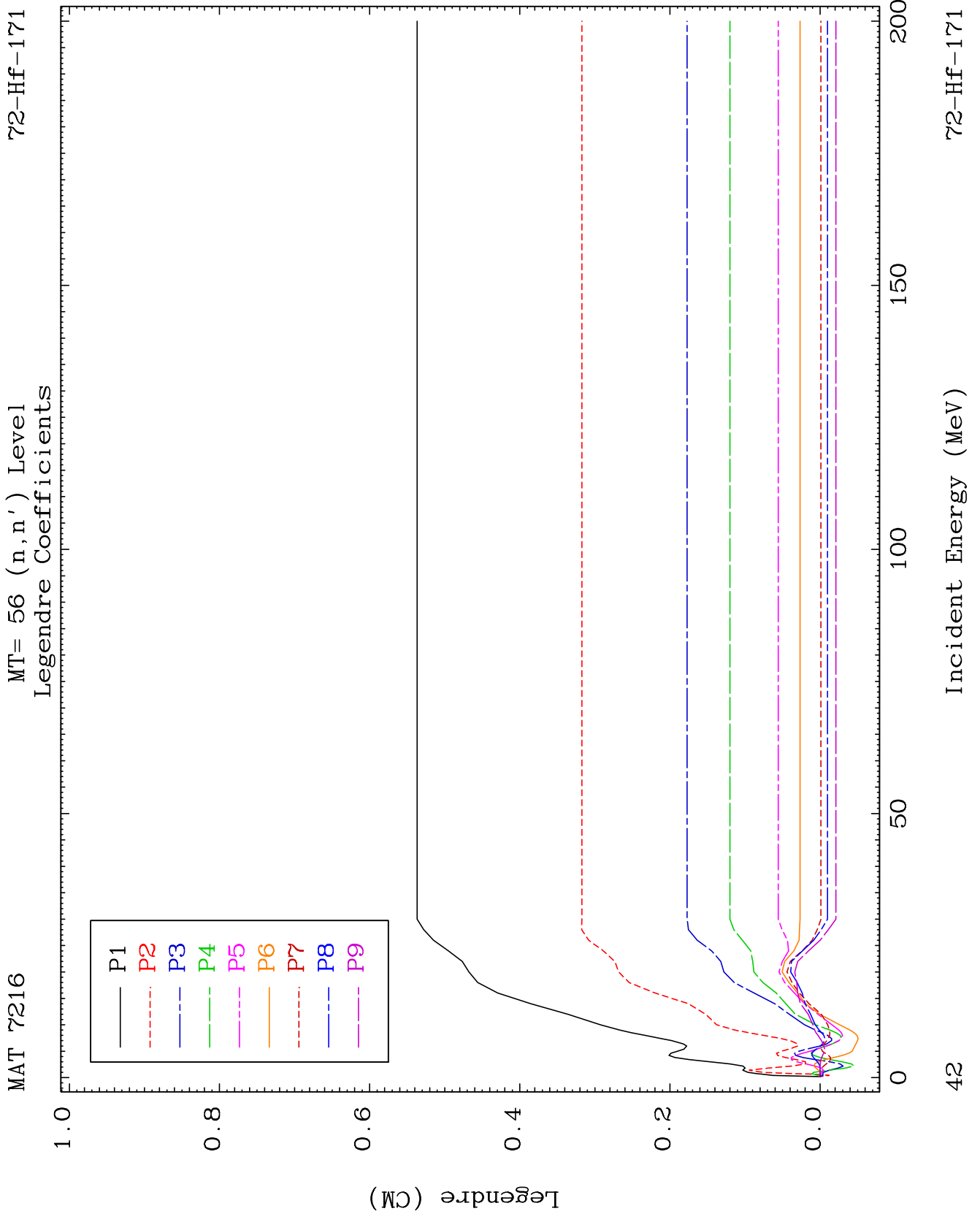
MAT 7216

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

72-Hf-171



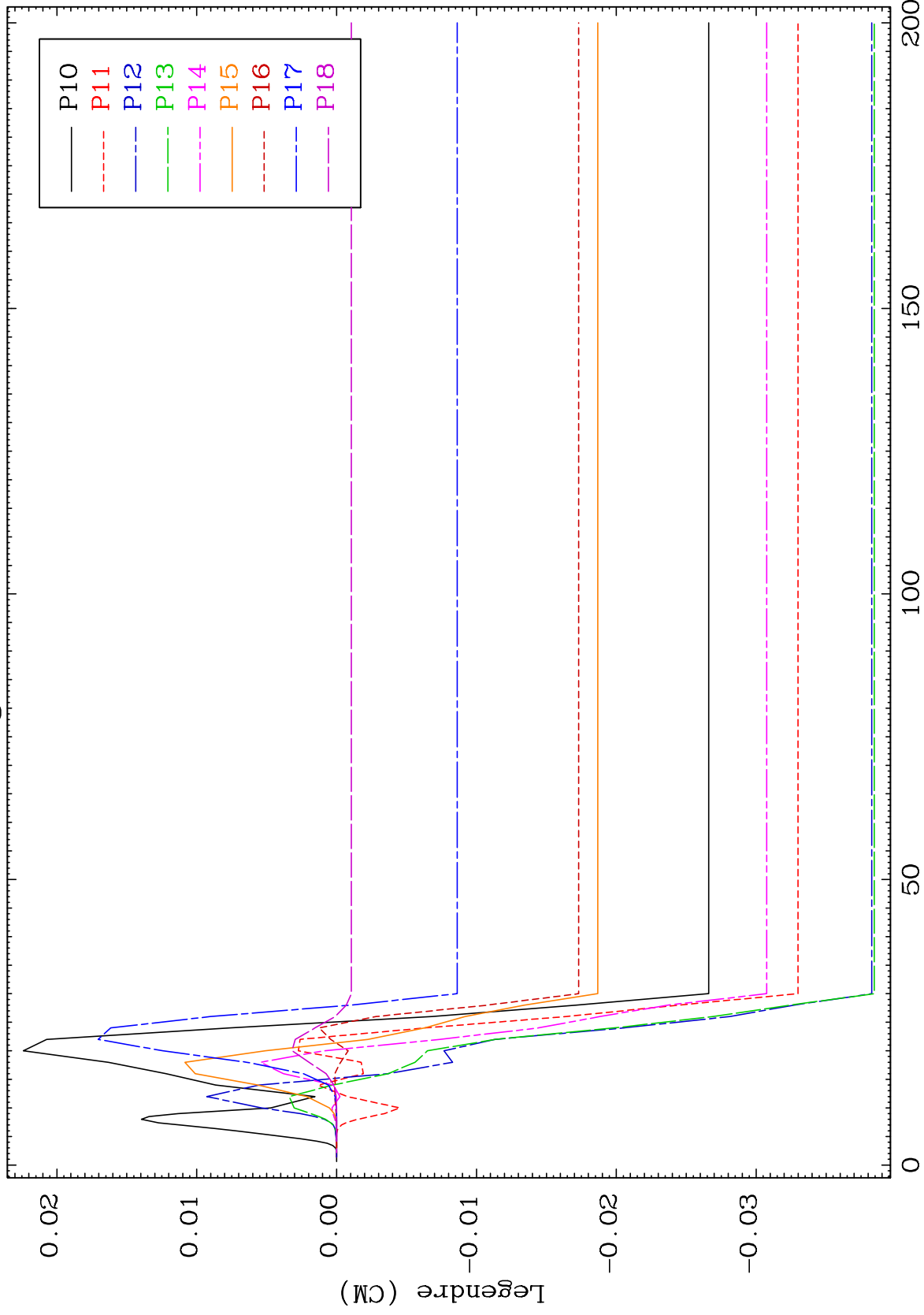
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MAT 7216

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

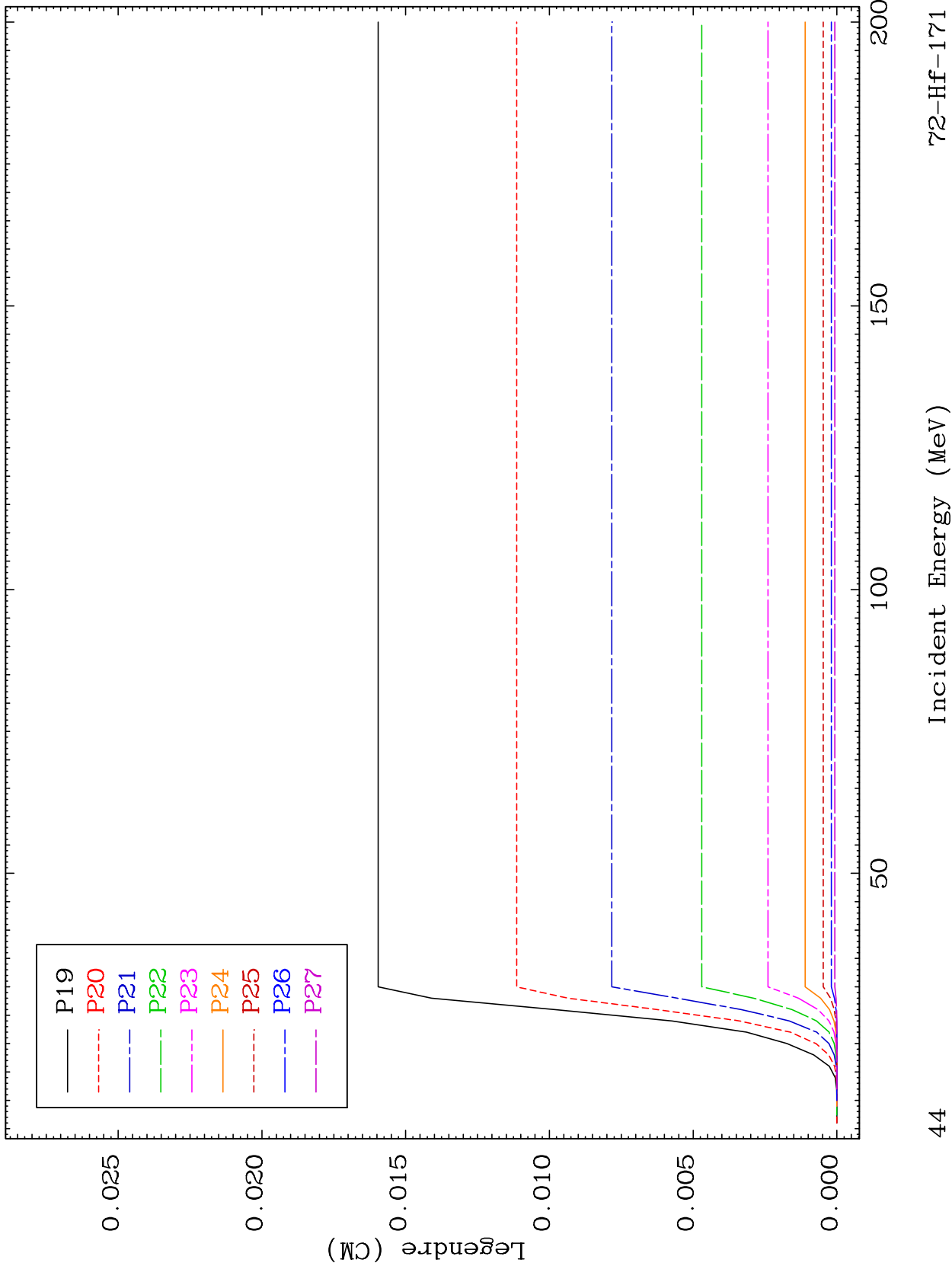
72-Hf-171



43

Incident Energy (MeV)

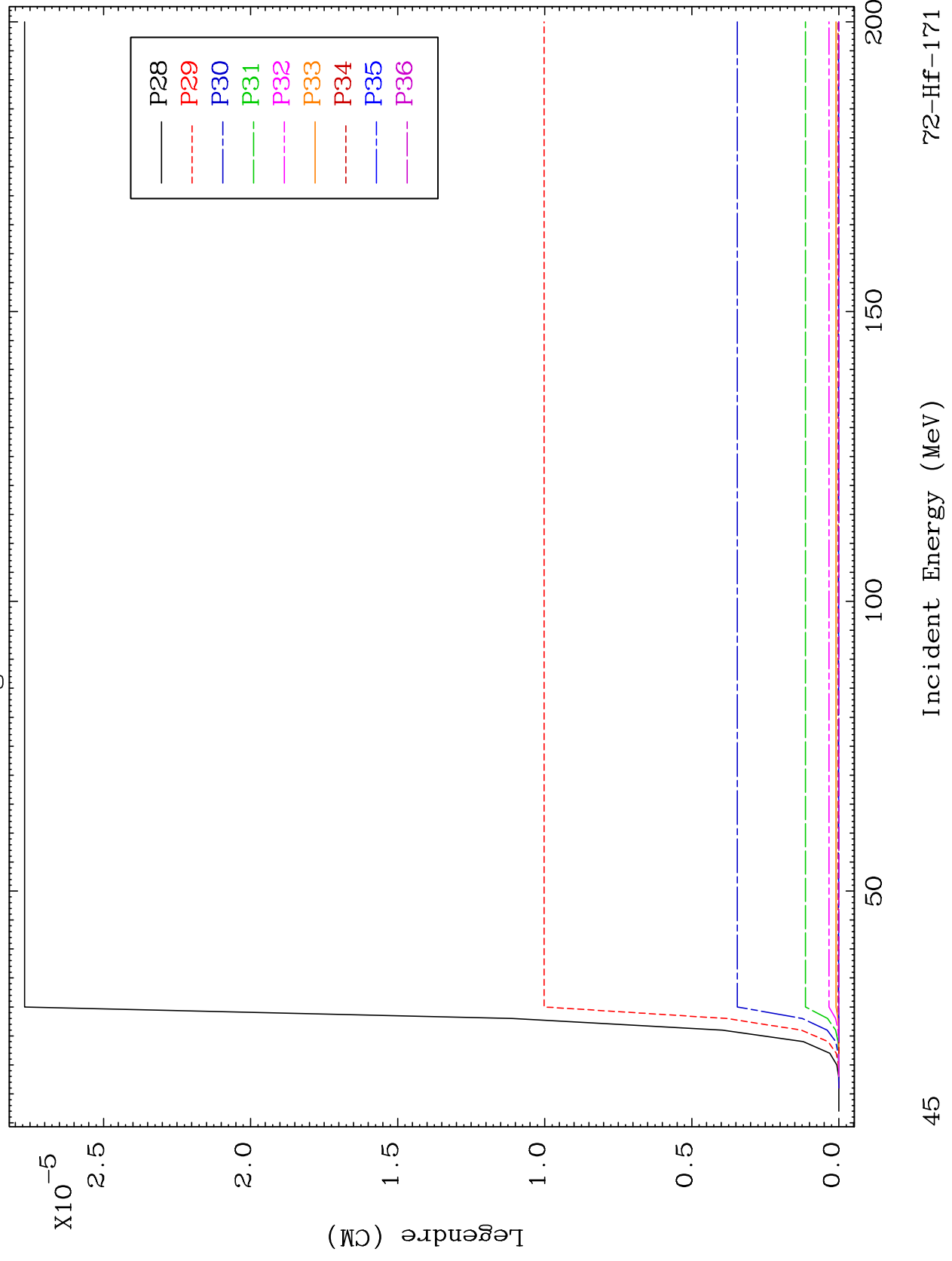
72-Hf-171



MAT 7216

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

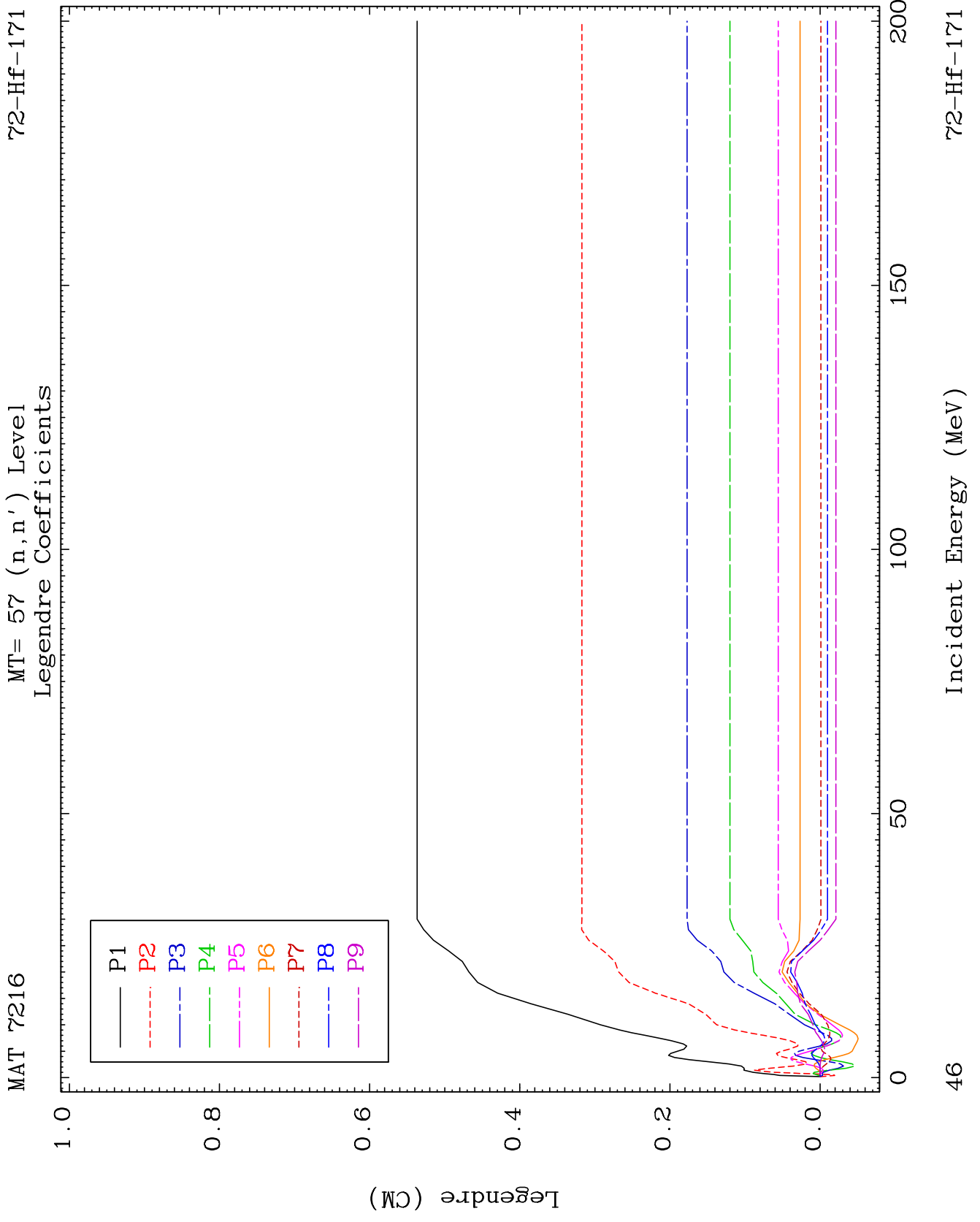
72-Hf-171



45

Incident Energy (MeV)

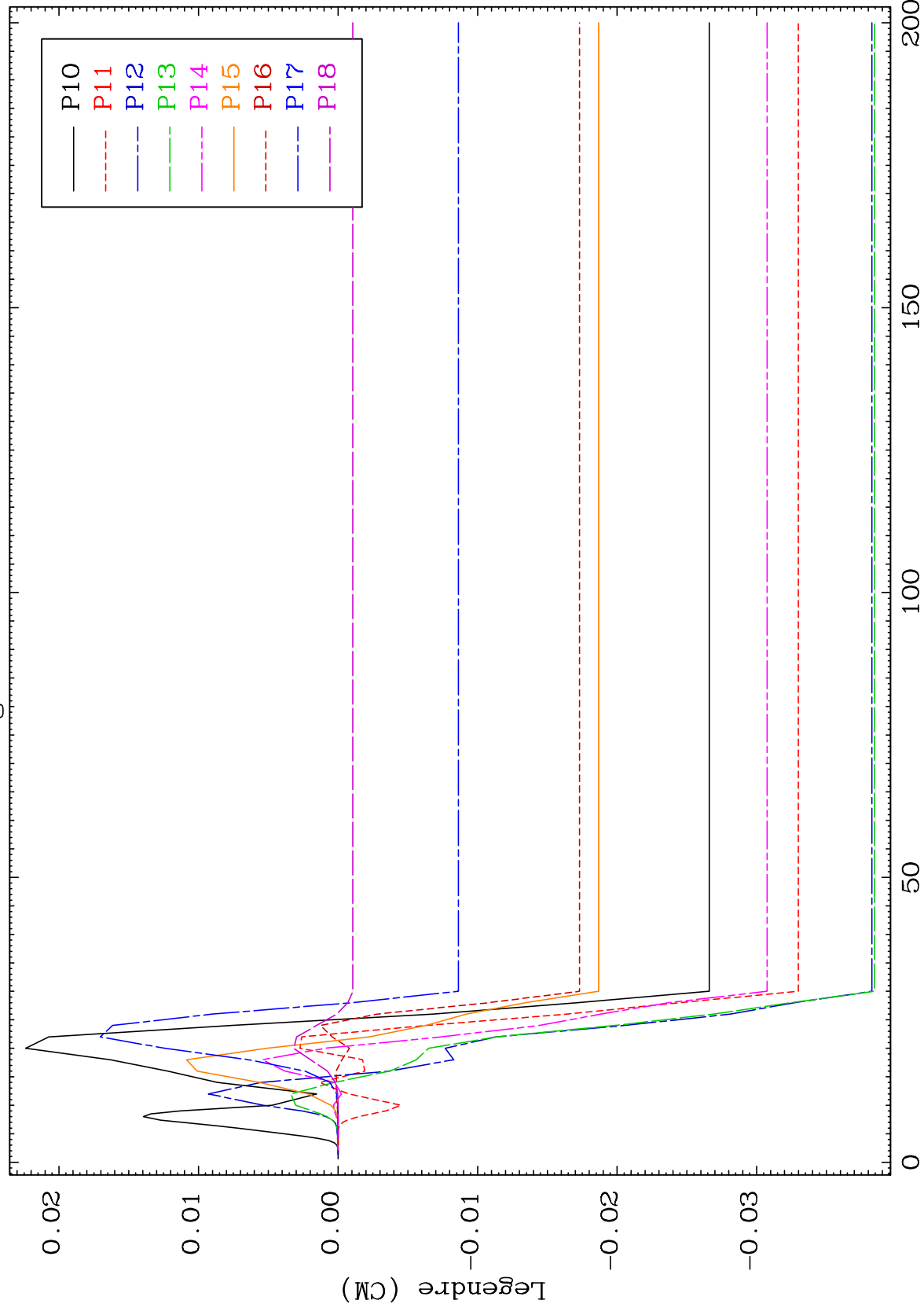
72-Hf-171



MAT 7216

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

72-Hf-171



47

Incident Energy (MeV)

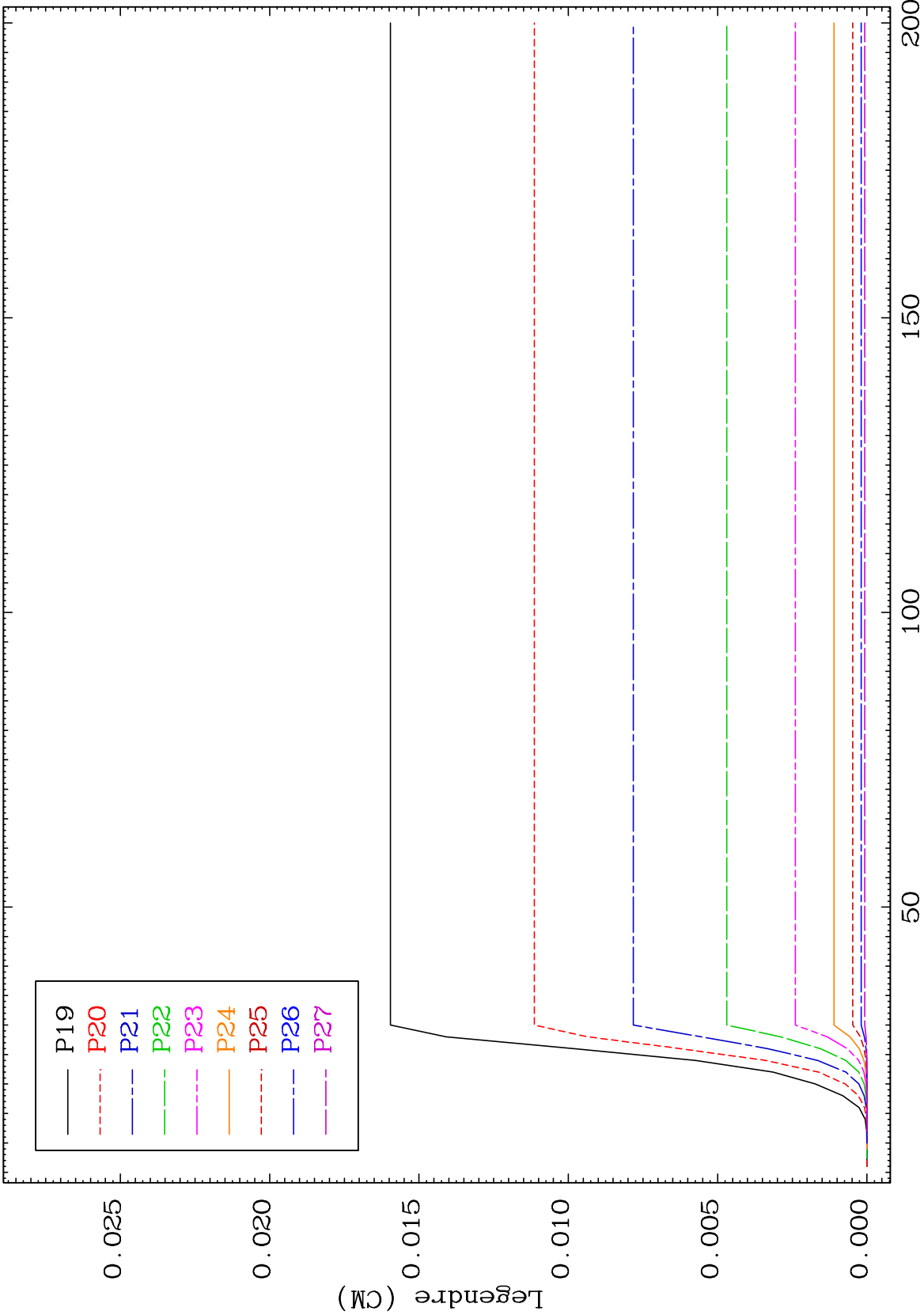
72-Hf-171



MAT 7216

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

72-Hf-171



48

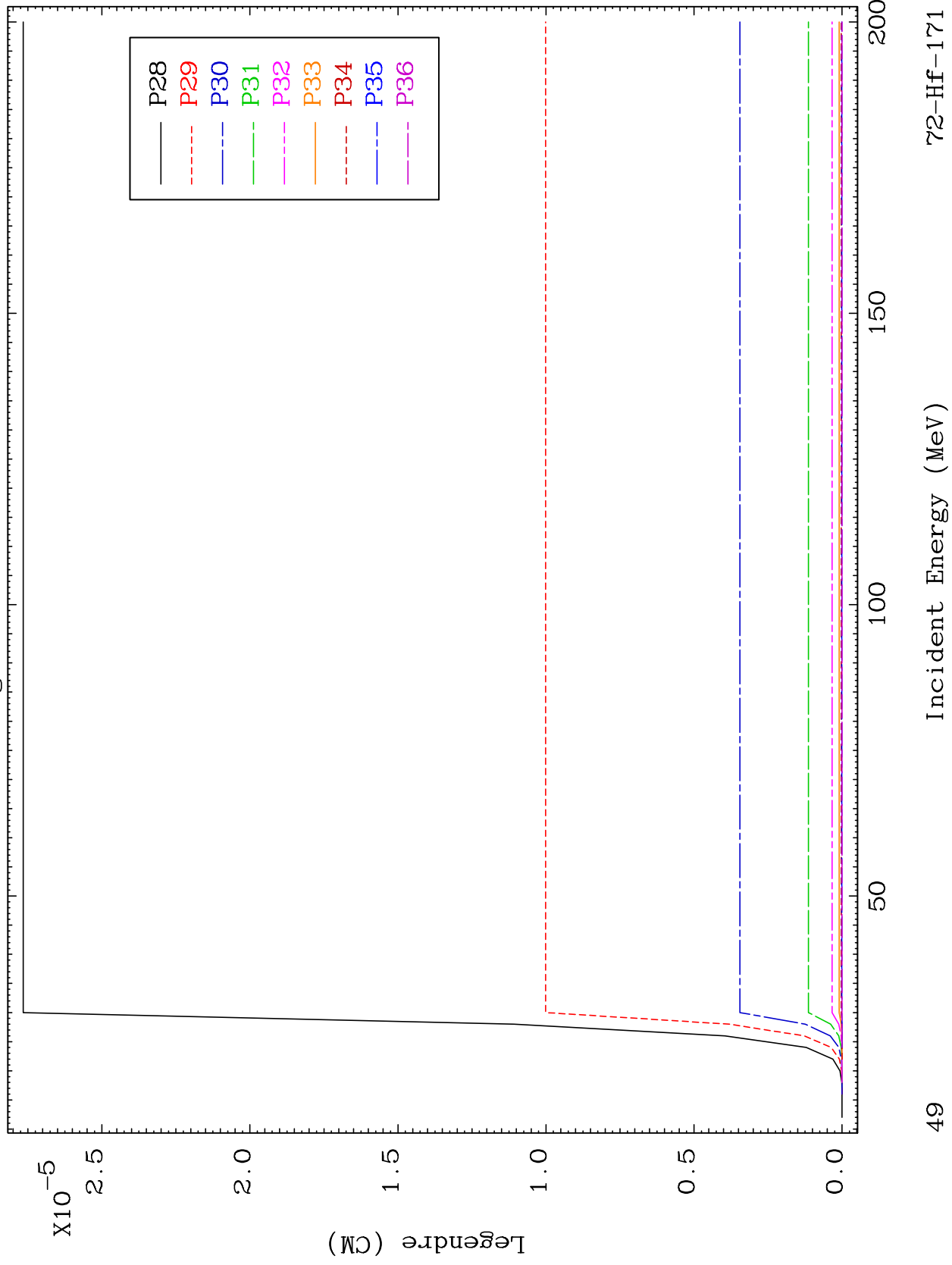
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

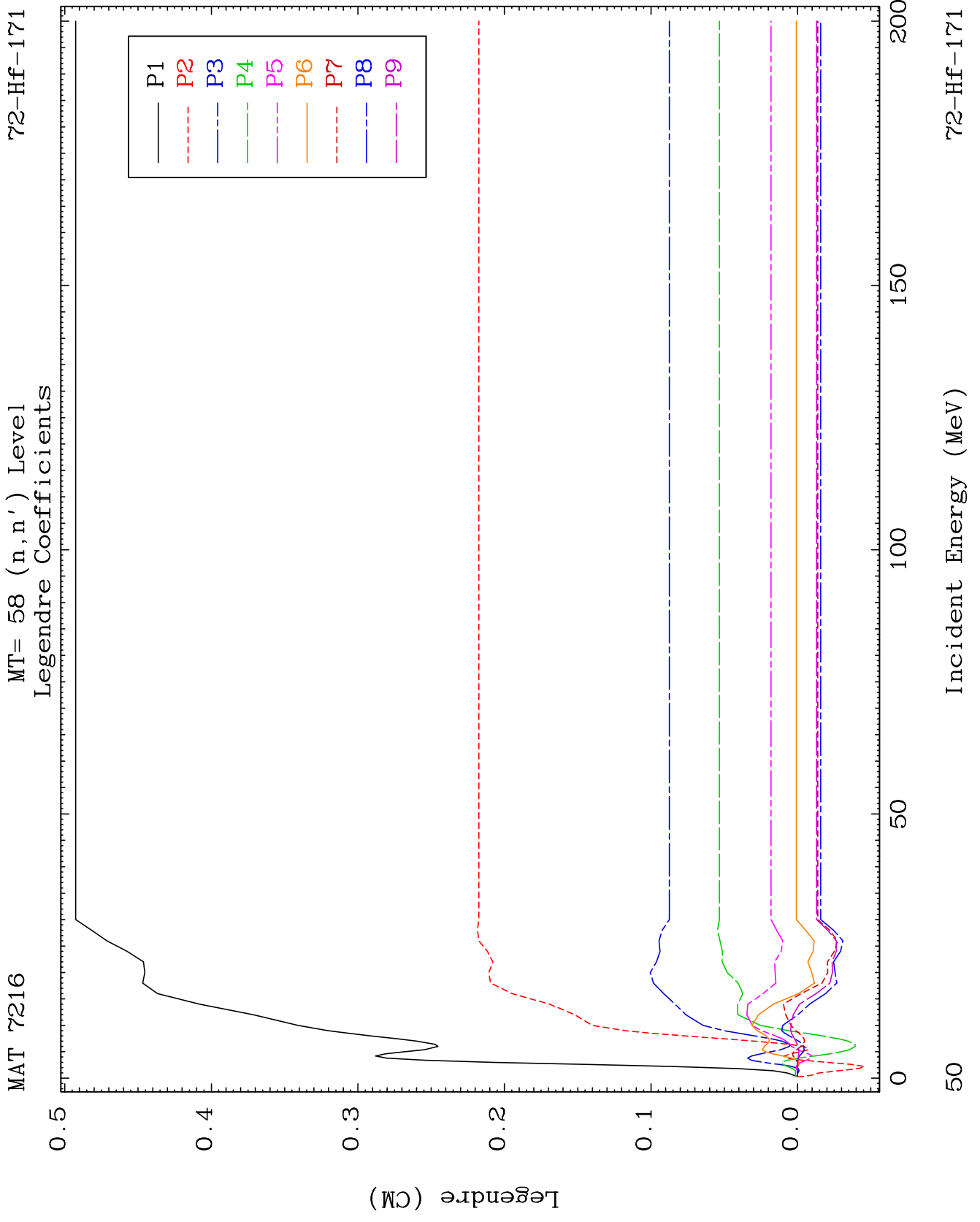
72-Hf-171



49

Incident Energy (MeV)

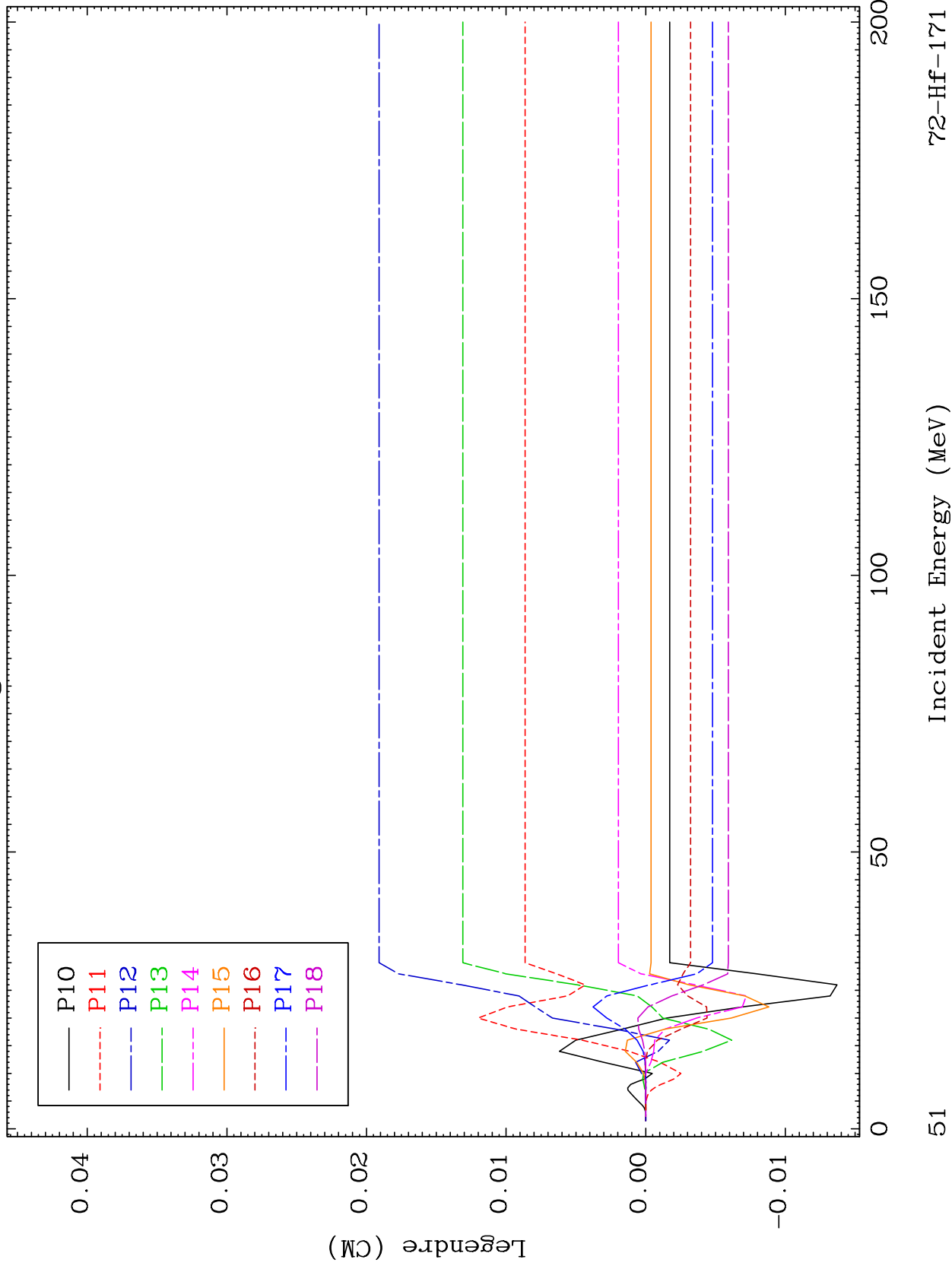
72-Hf-171



MAT 7216

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

72-Hf-171



51

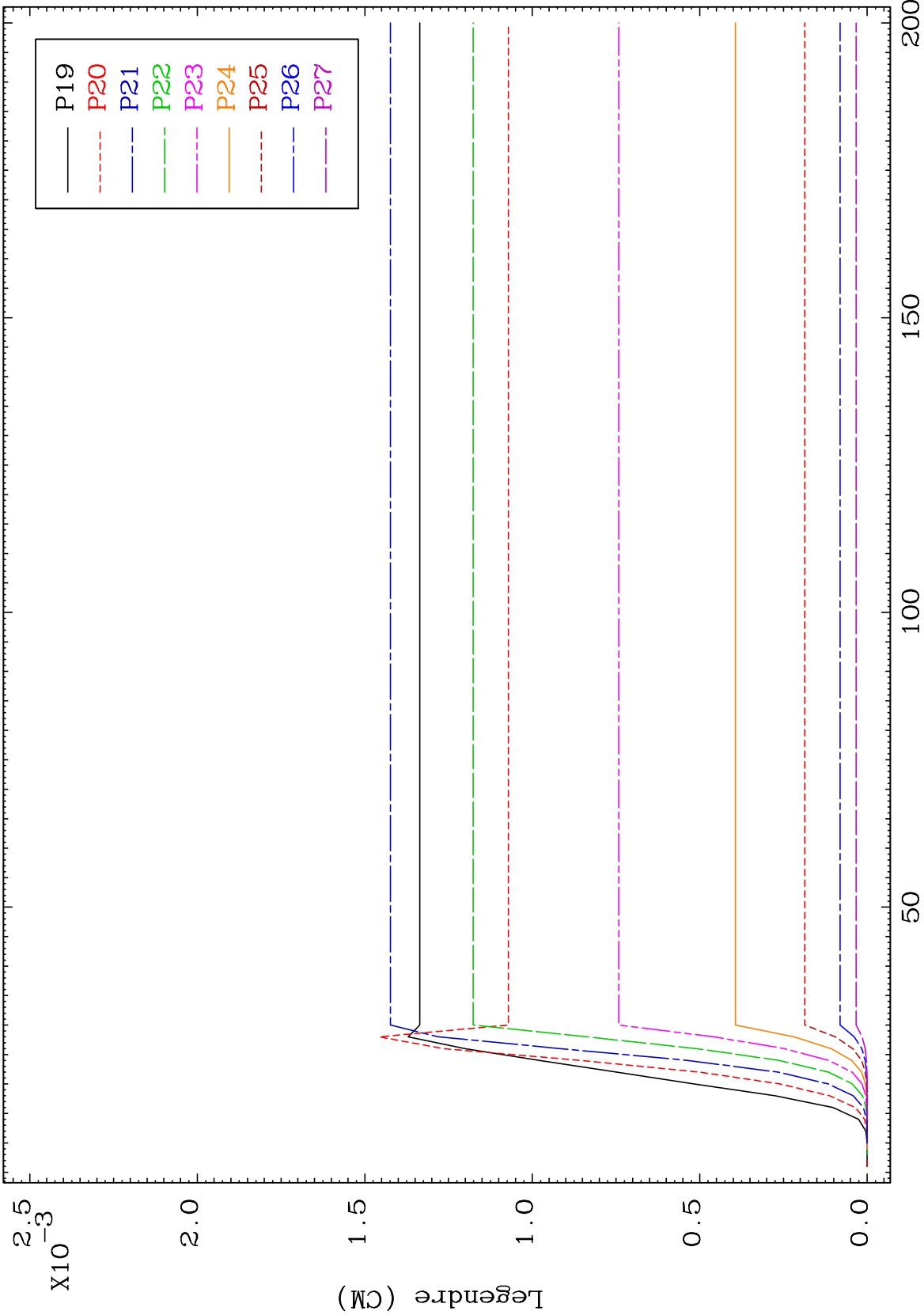
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



52

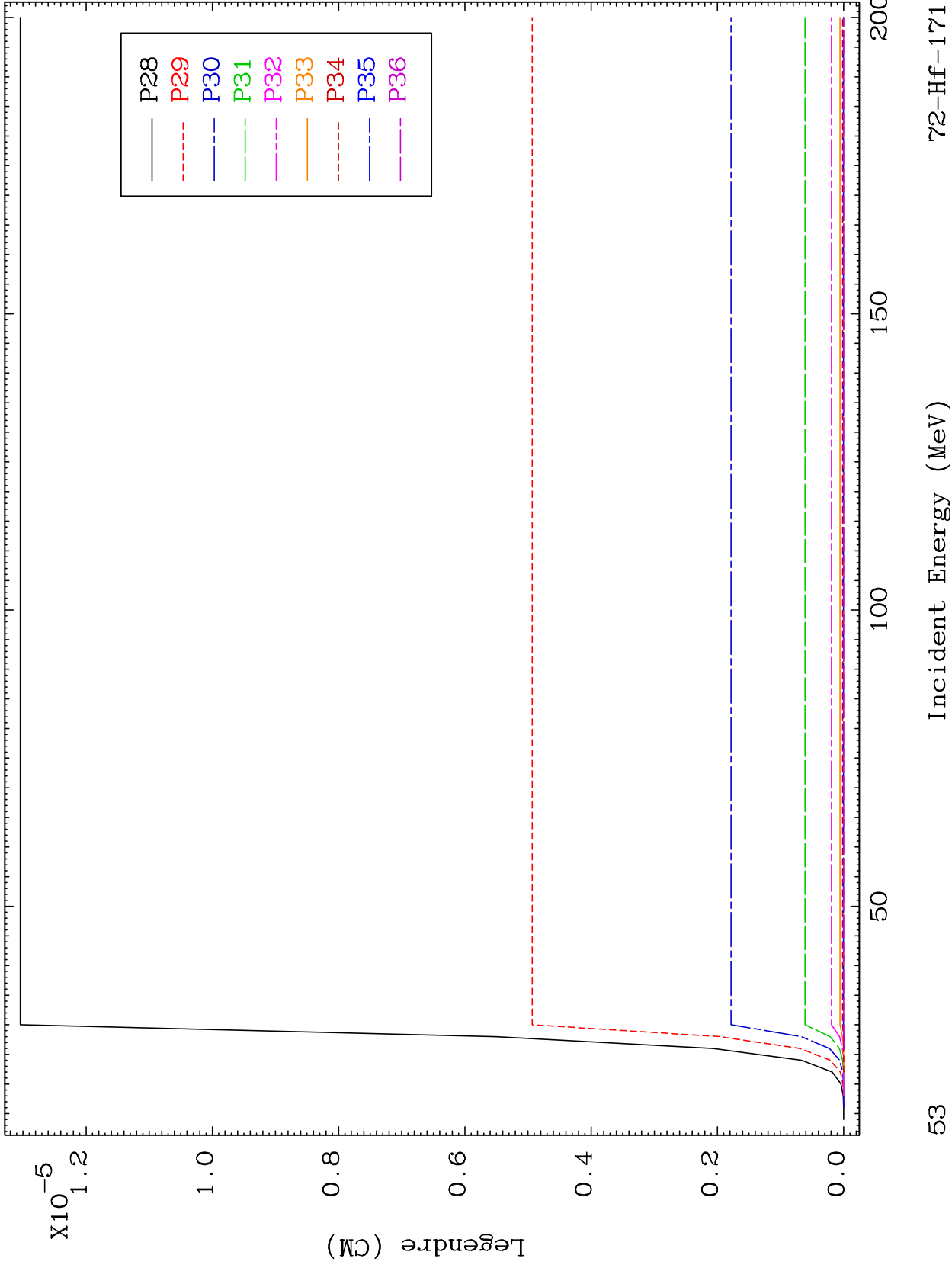
Incident Energy (MeV)

72-Hf-171

MAT 7216

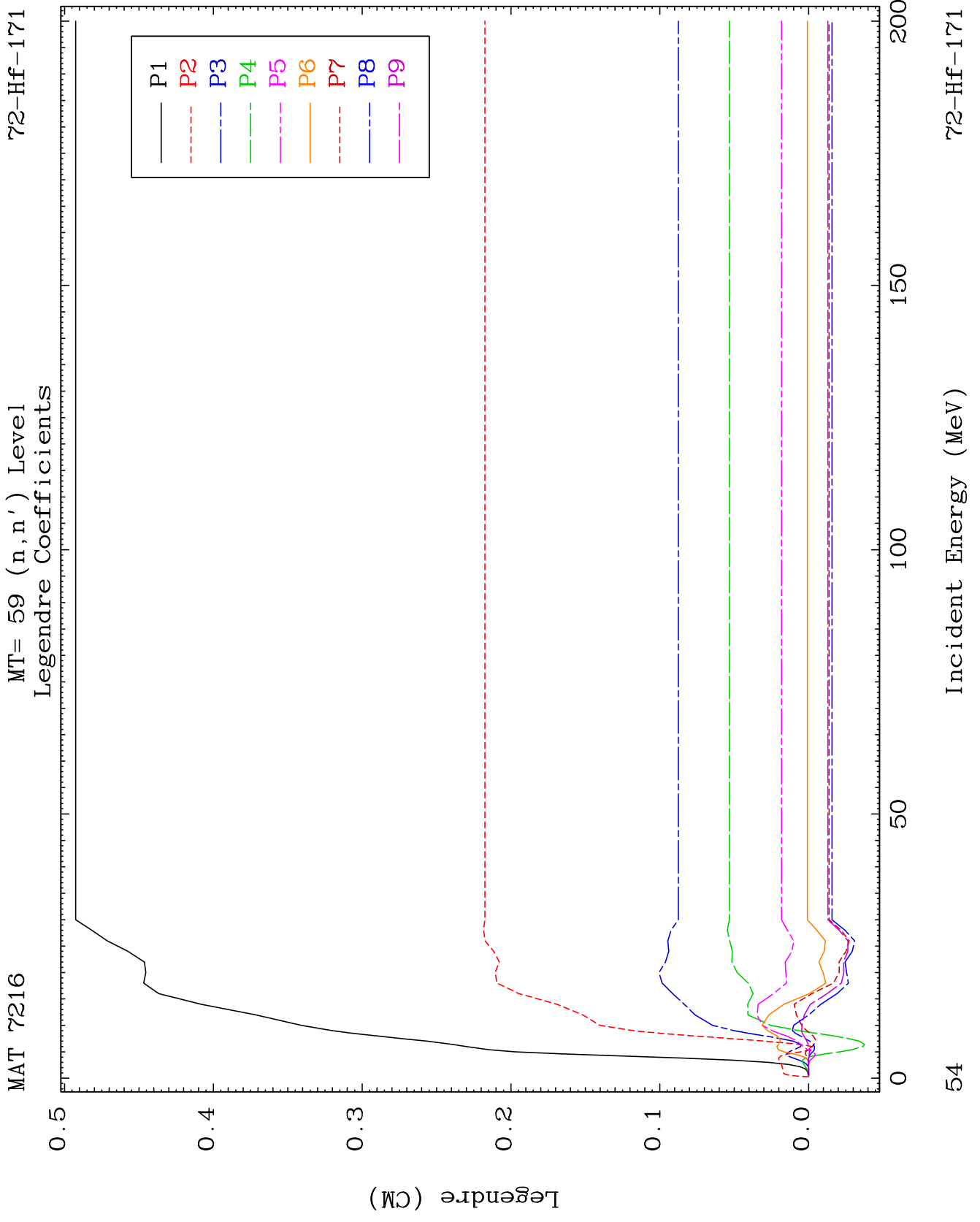
MT= 58 (n,n') Level  
Legendre Coefficients

72-Hf-171



53

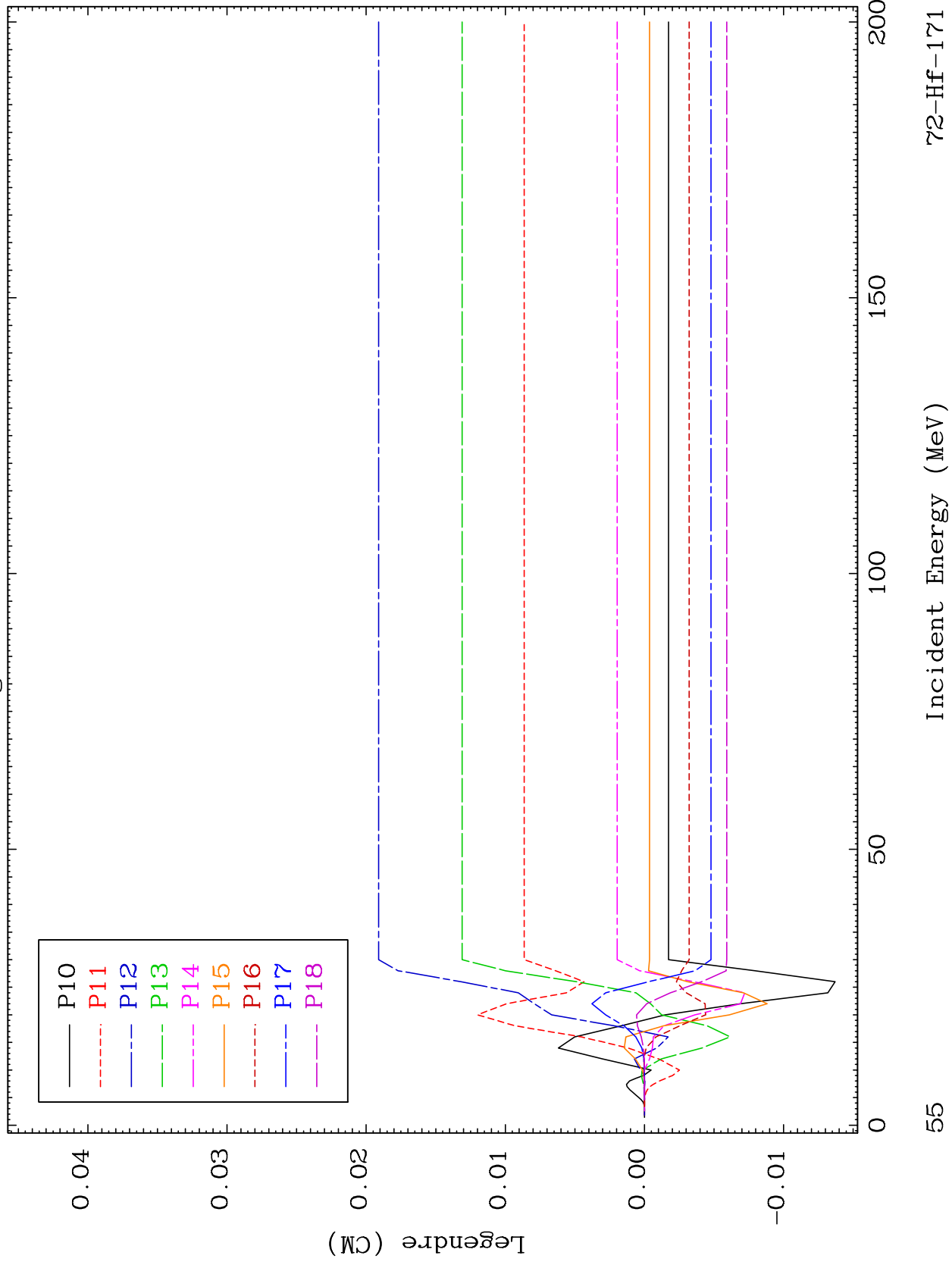
72-Hf-171



MAT 7216

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

72-Hf-171



72-Hf-171

Incident Energy (MeV)

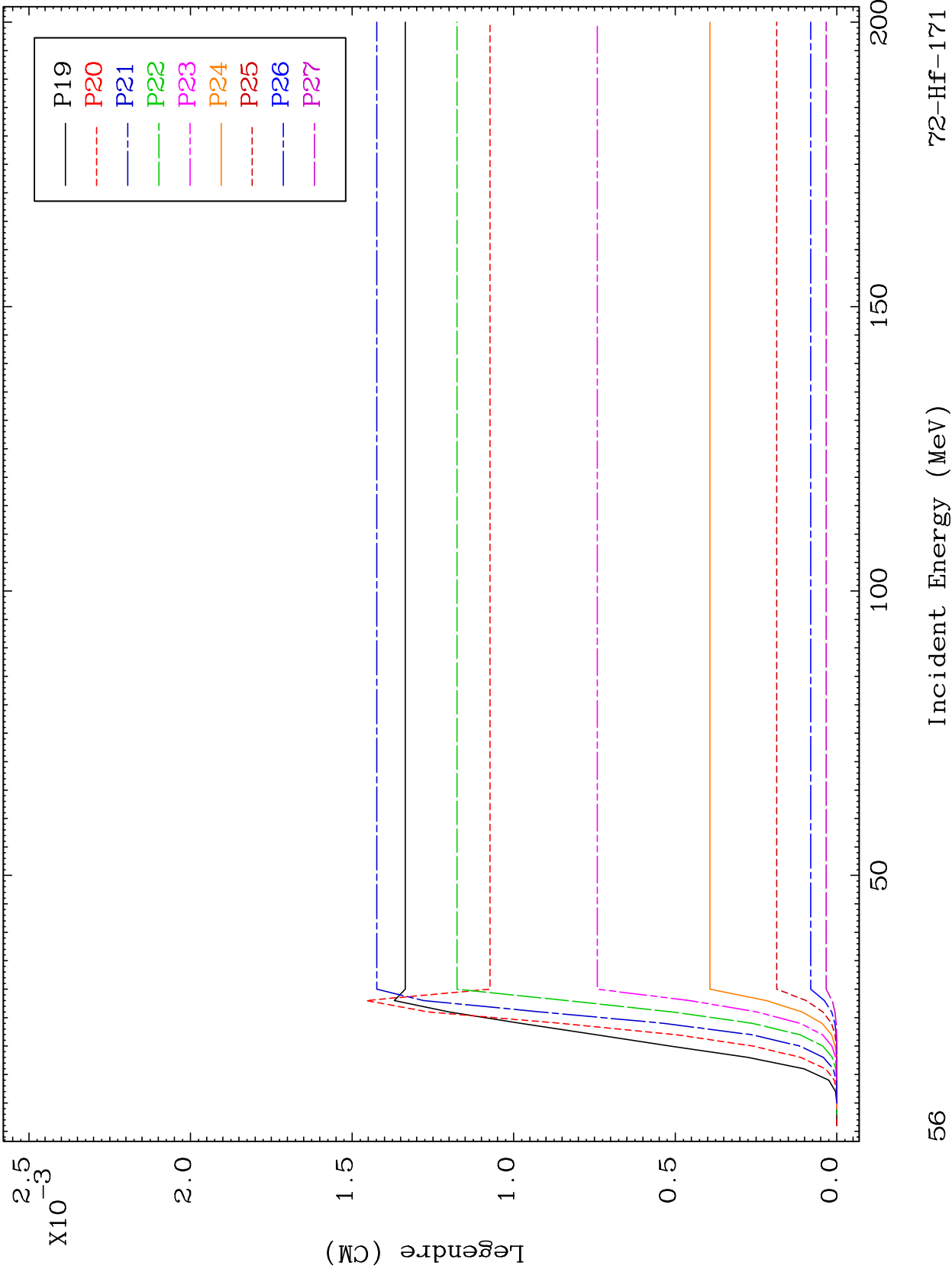
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MAT 7216

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

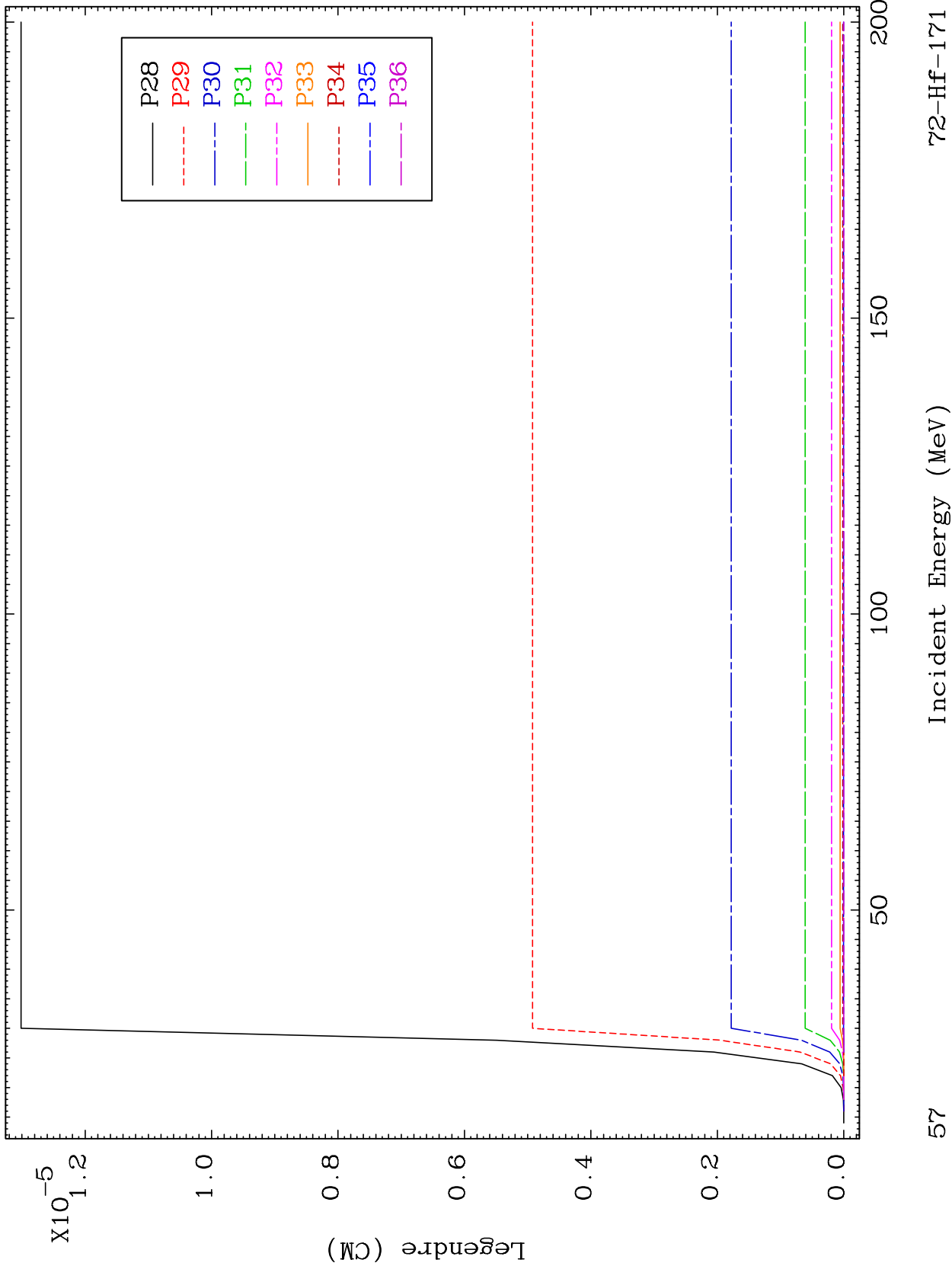
72-Hf-171



56

Incident Energy (MeV)

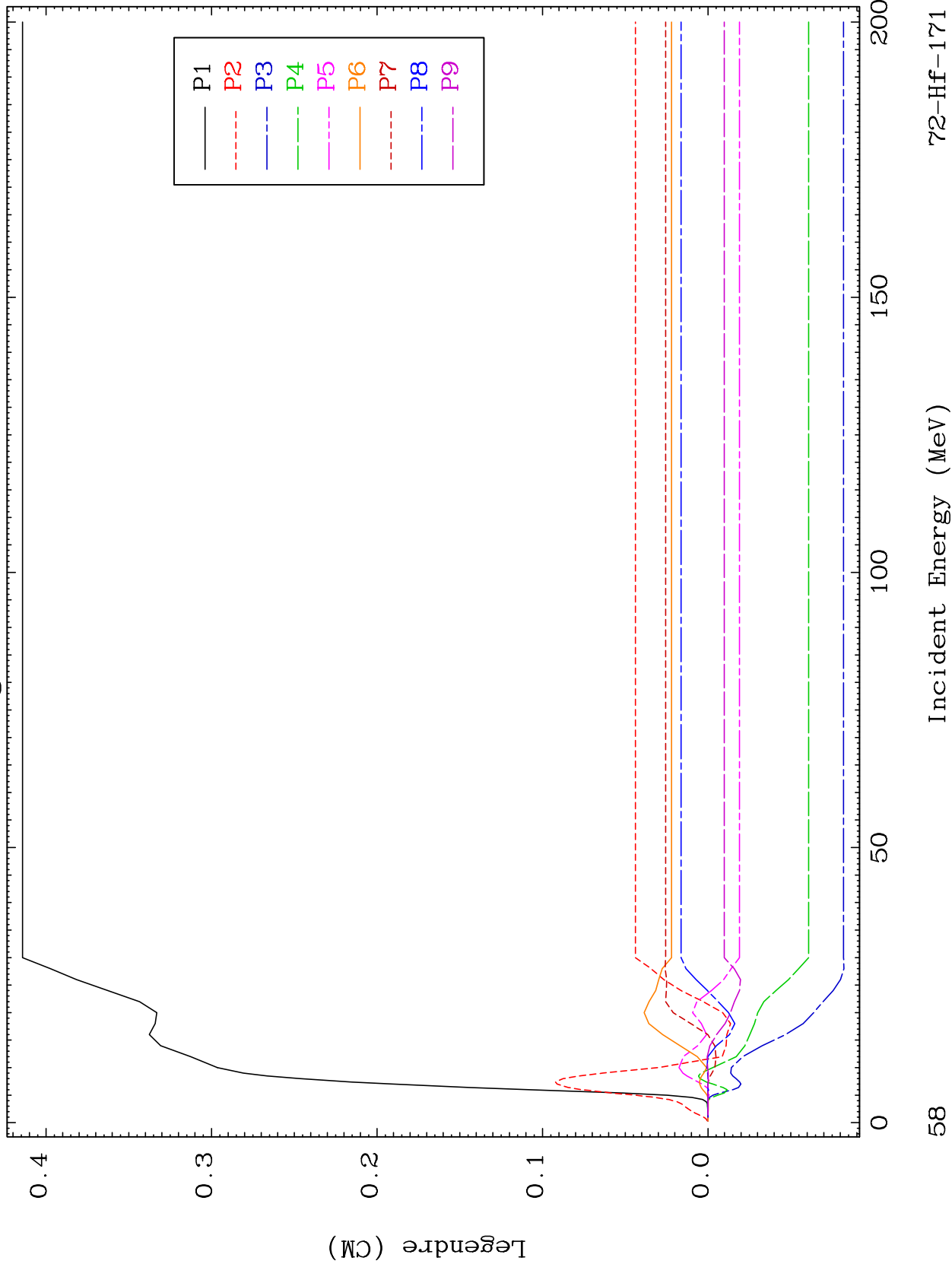
72-Hf-171



MAT 7216

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

72-Hf-171



72-Hf-171

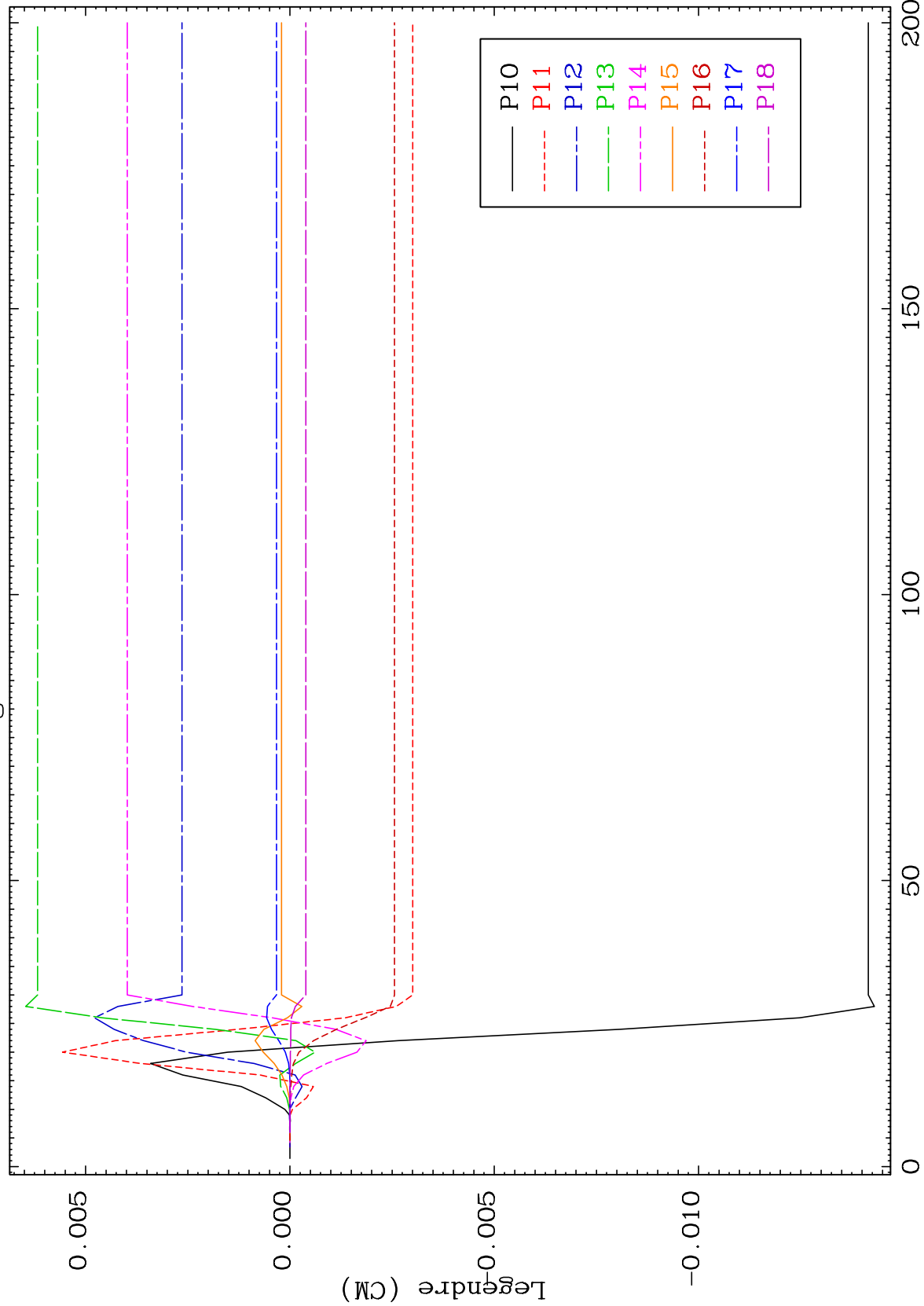
Incident Energy (MeV)

58

MAT 7216

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

72-Hf-171



59

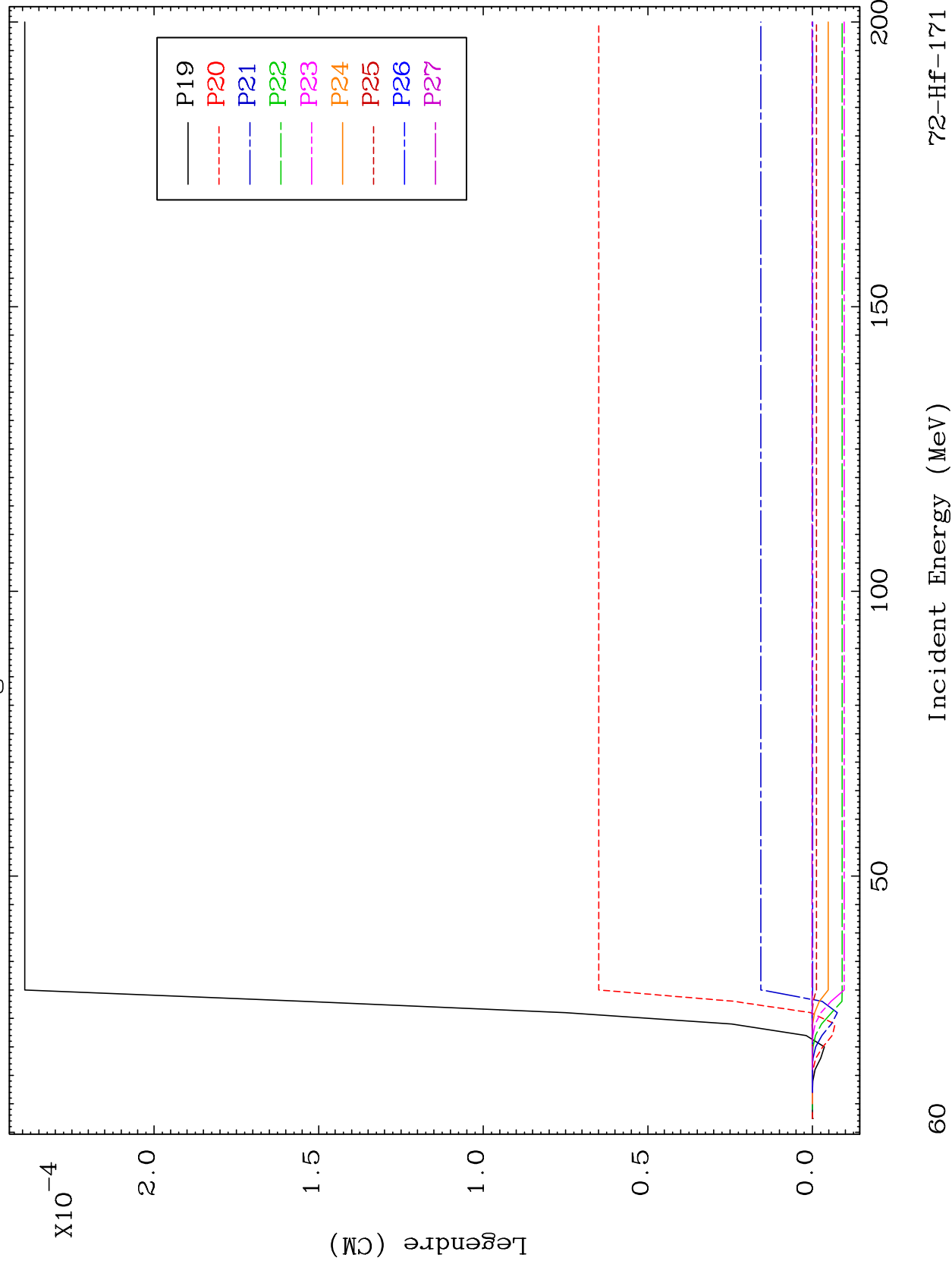
Incident Energy (MeV)

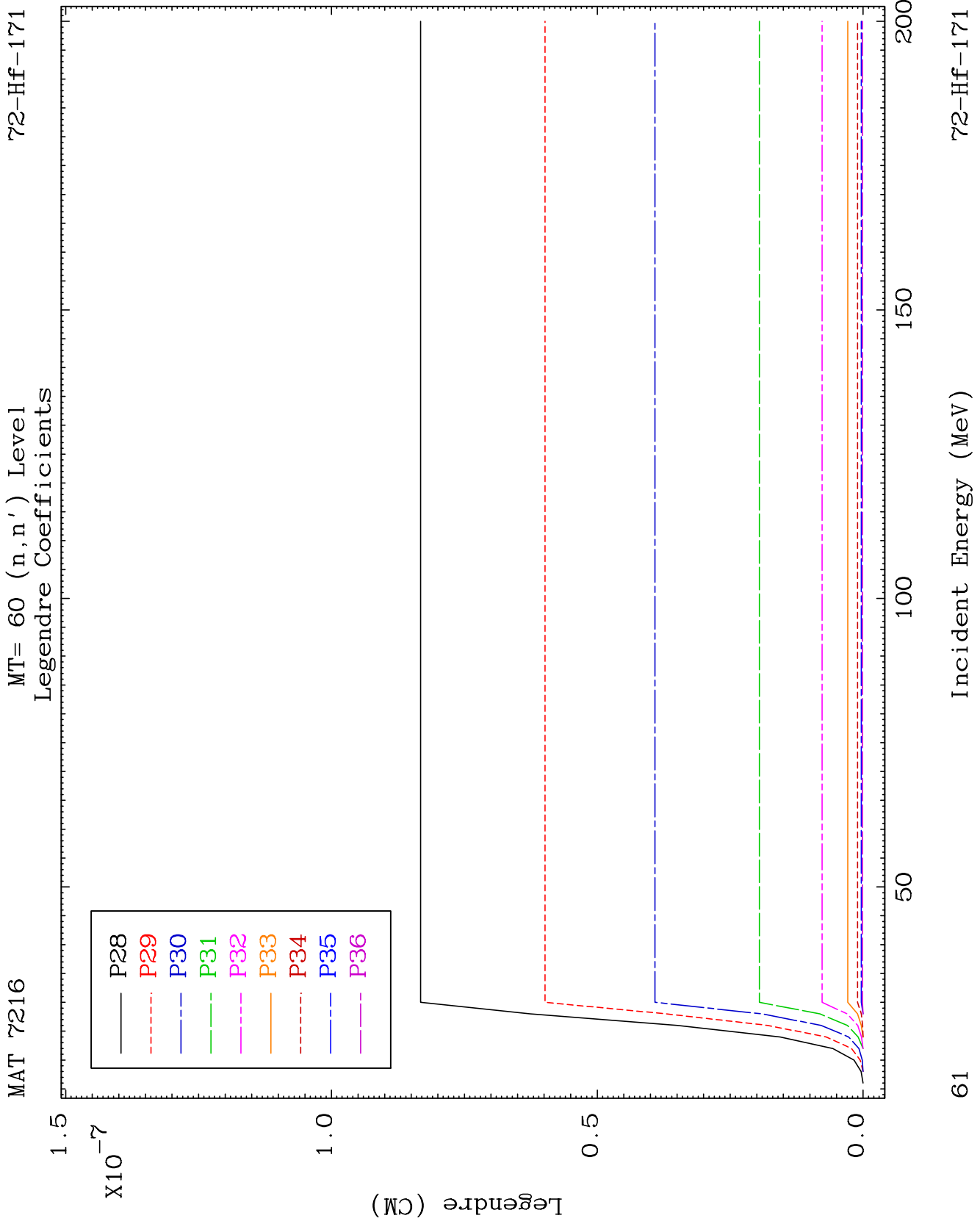
72-Hf-171

MAT 7216

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

72-Hf-171



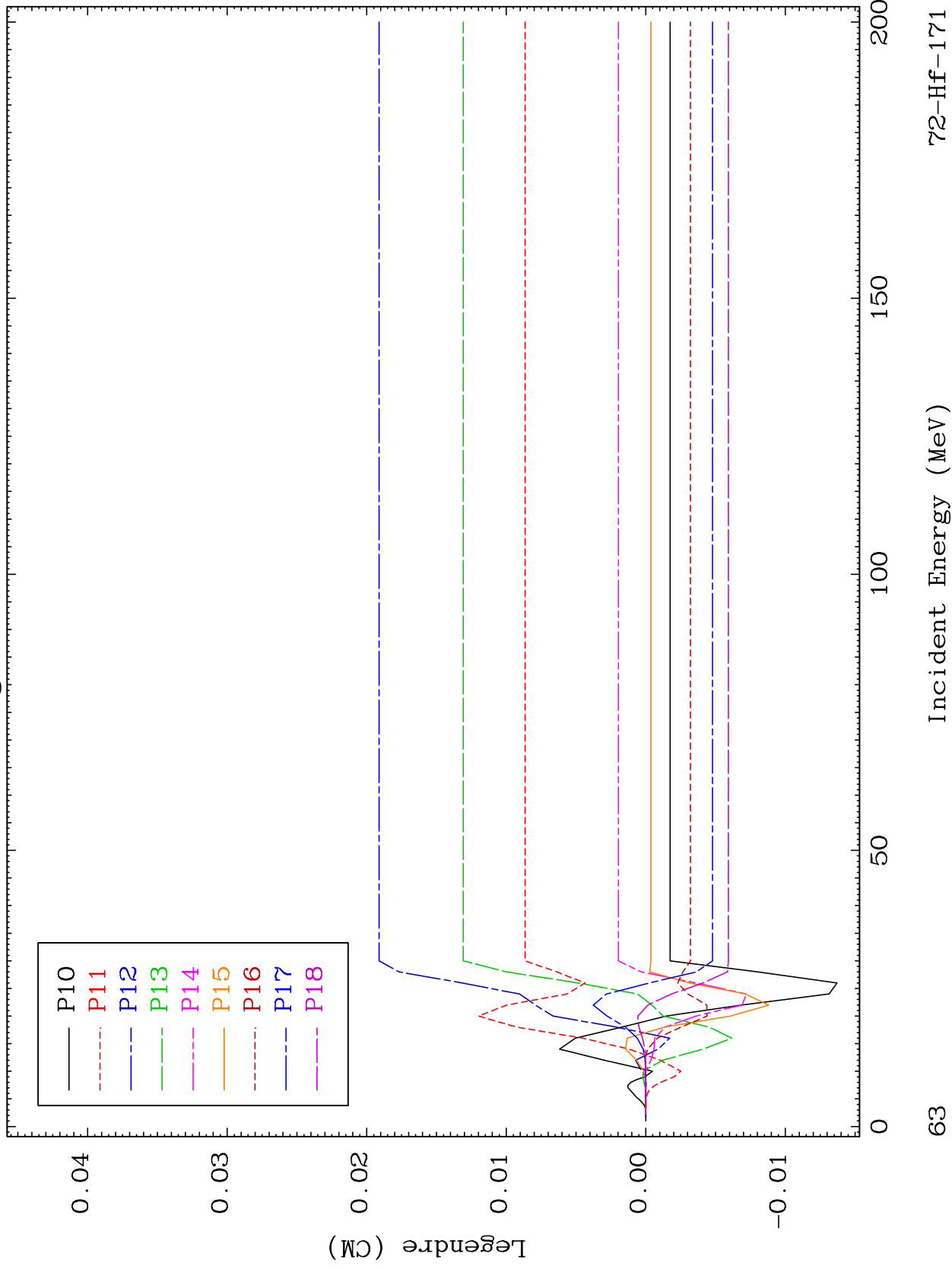




MAT 7216

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

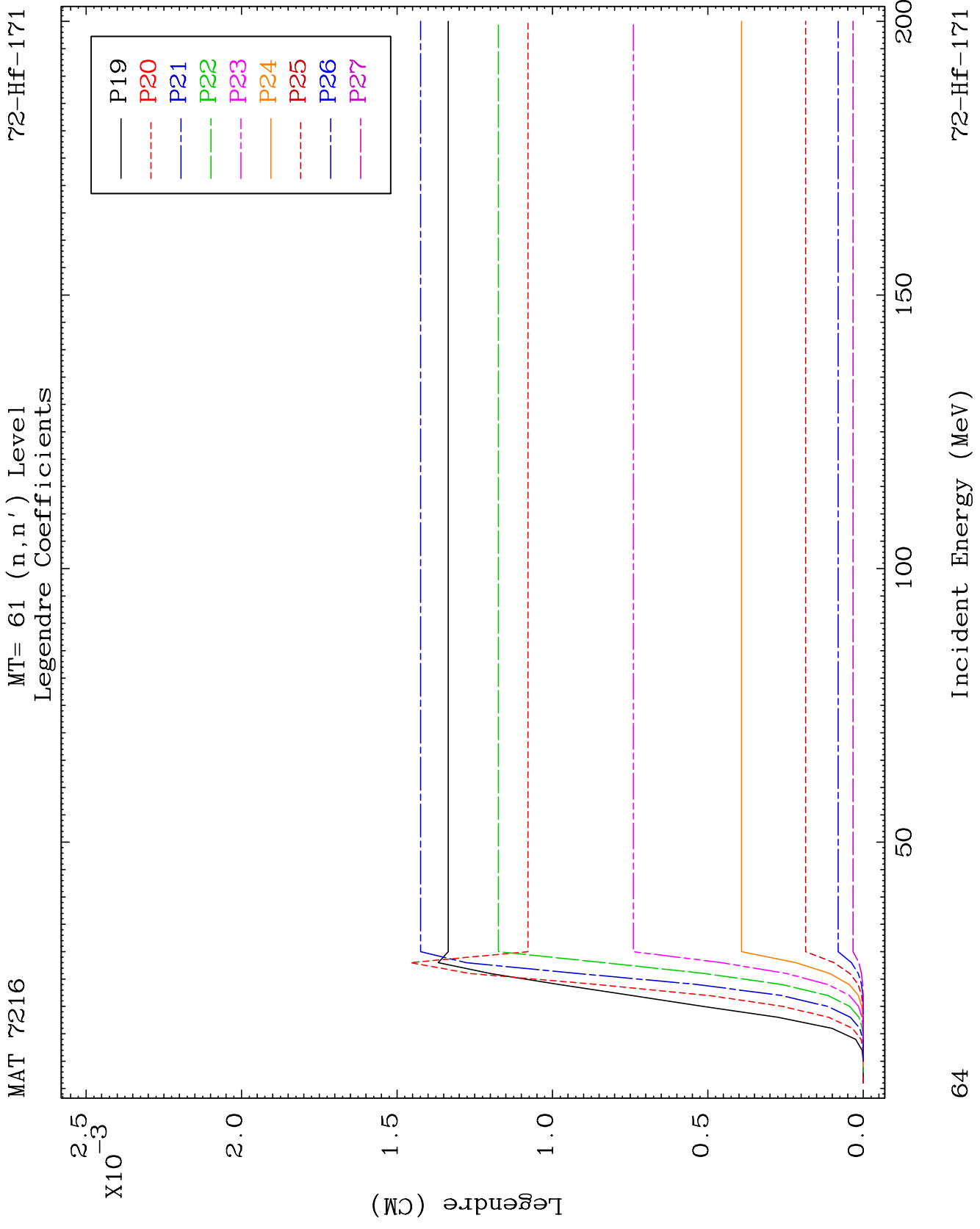
72-Hf-171



63

72-Hf-171

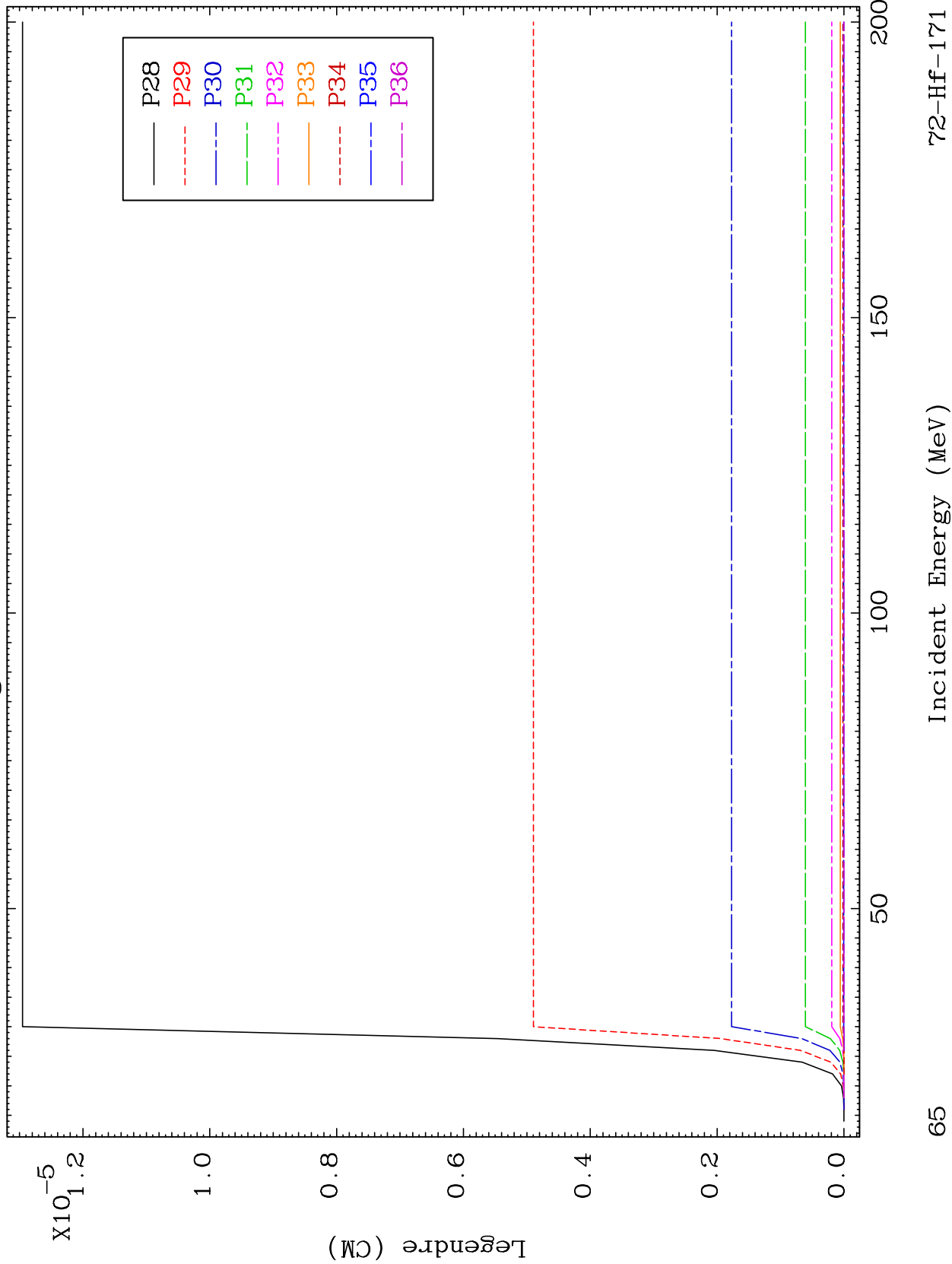




MAT 7216

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

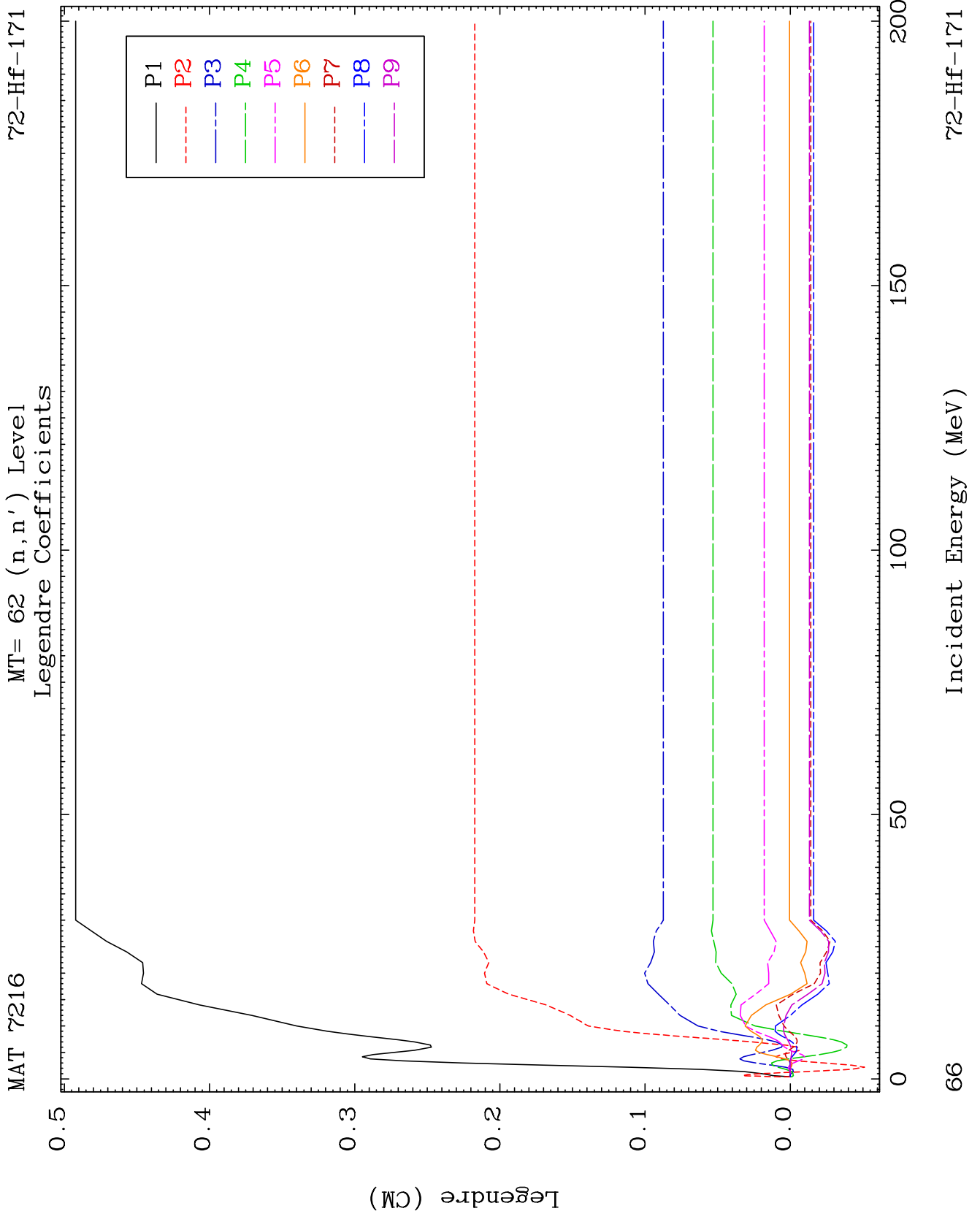
72-Hf-171



65

Incident Energy (MeV)

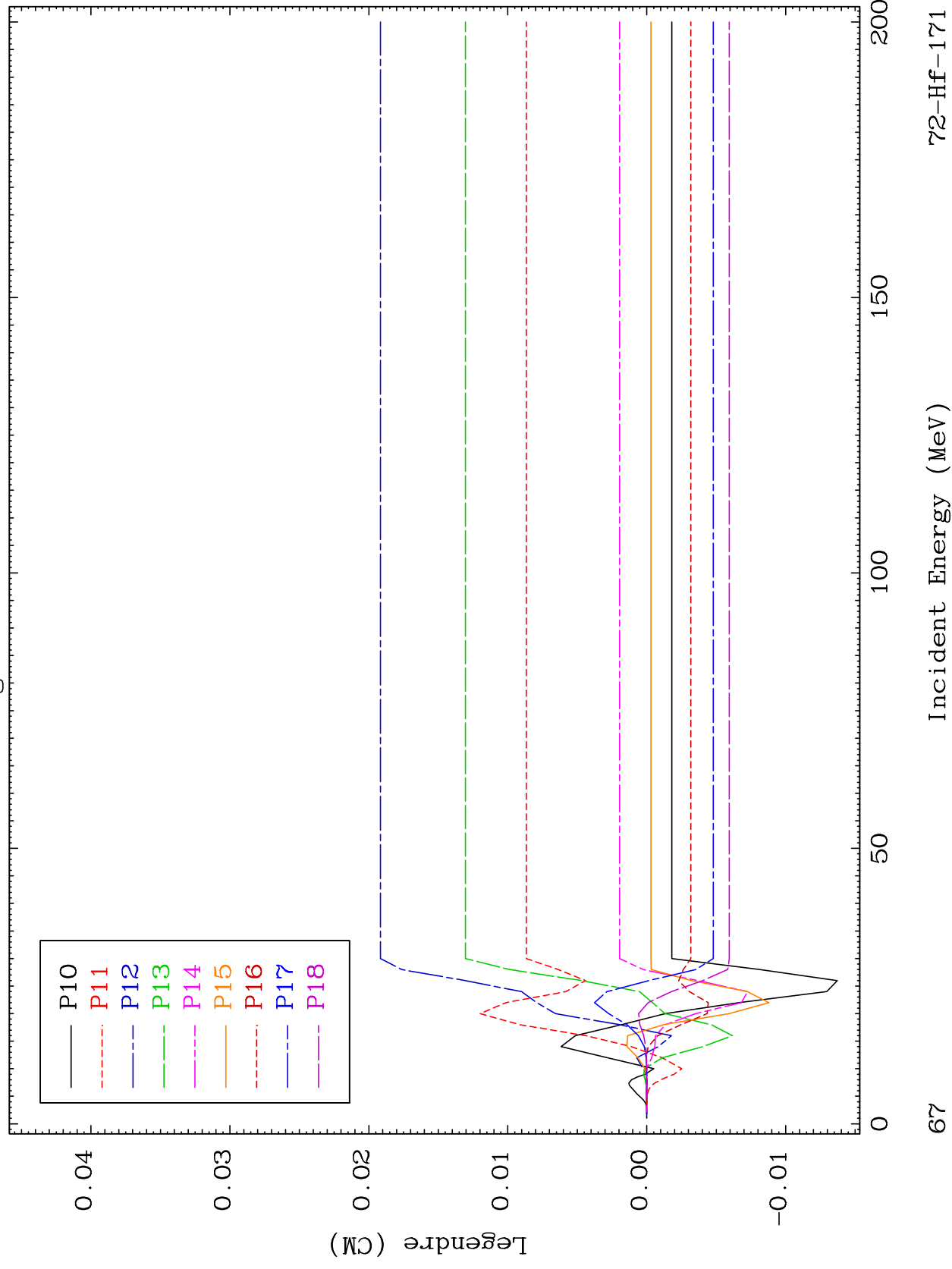
72-Hf-171



MAT 7216

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

72-Hf-171



67

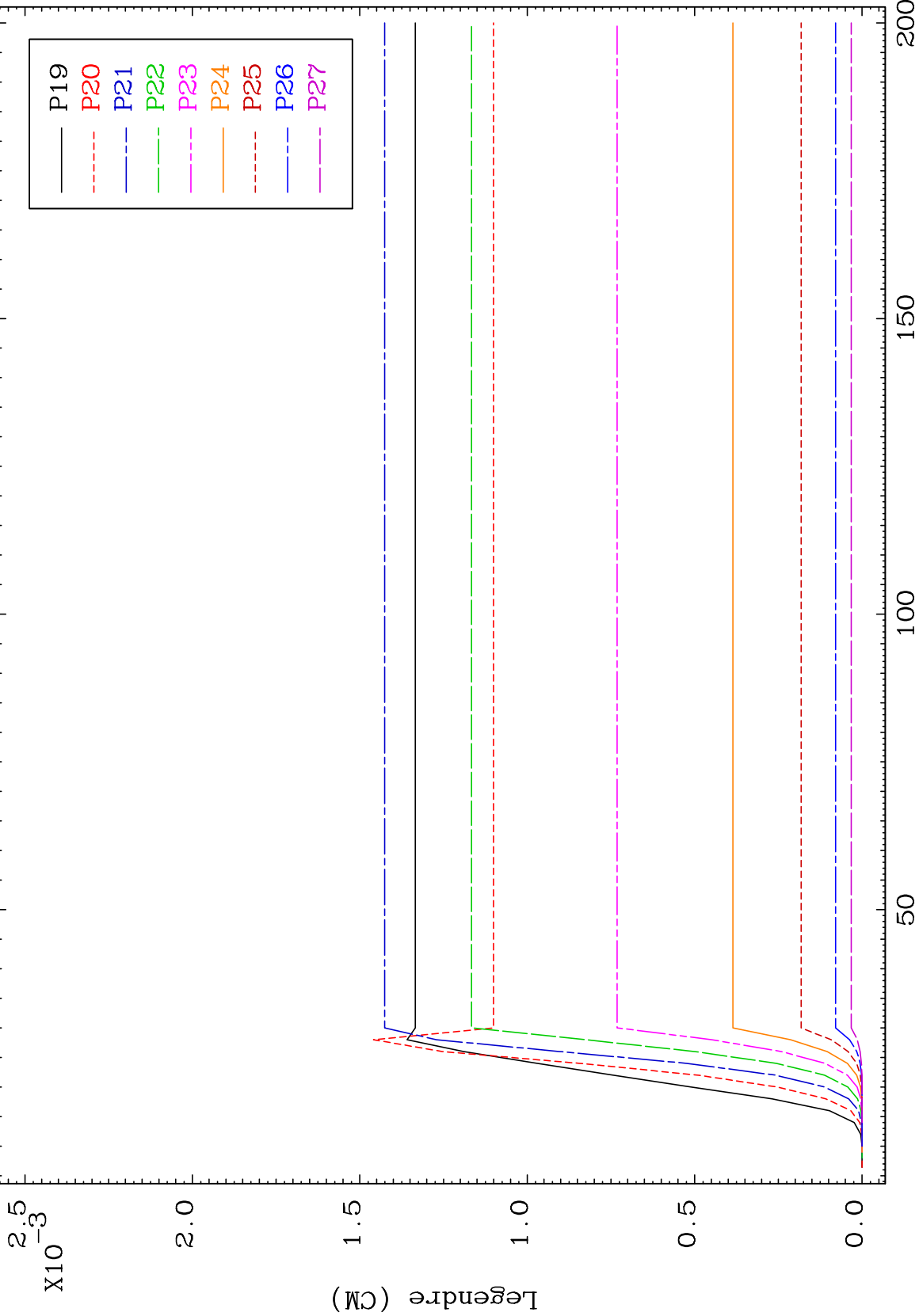
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



68

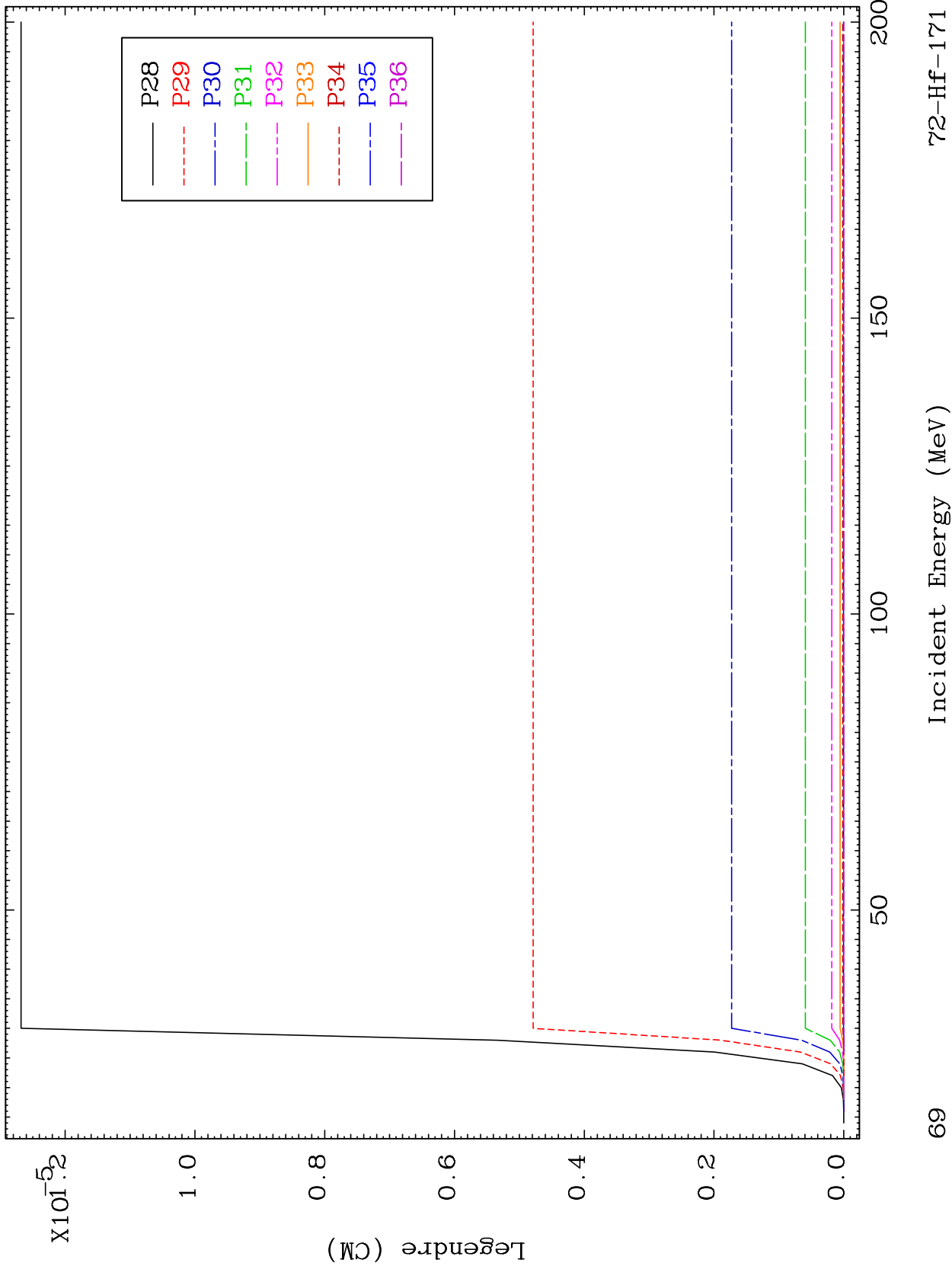
Incident Energy (MeV)

72-Hf-171

MAT 7216

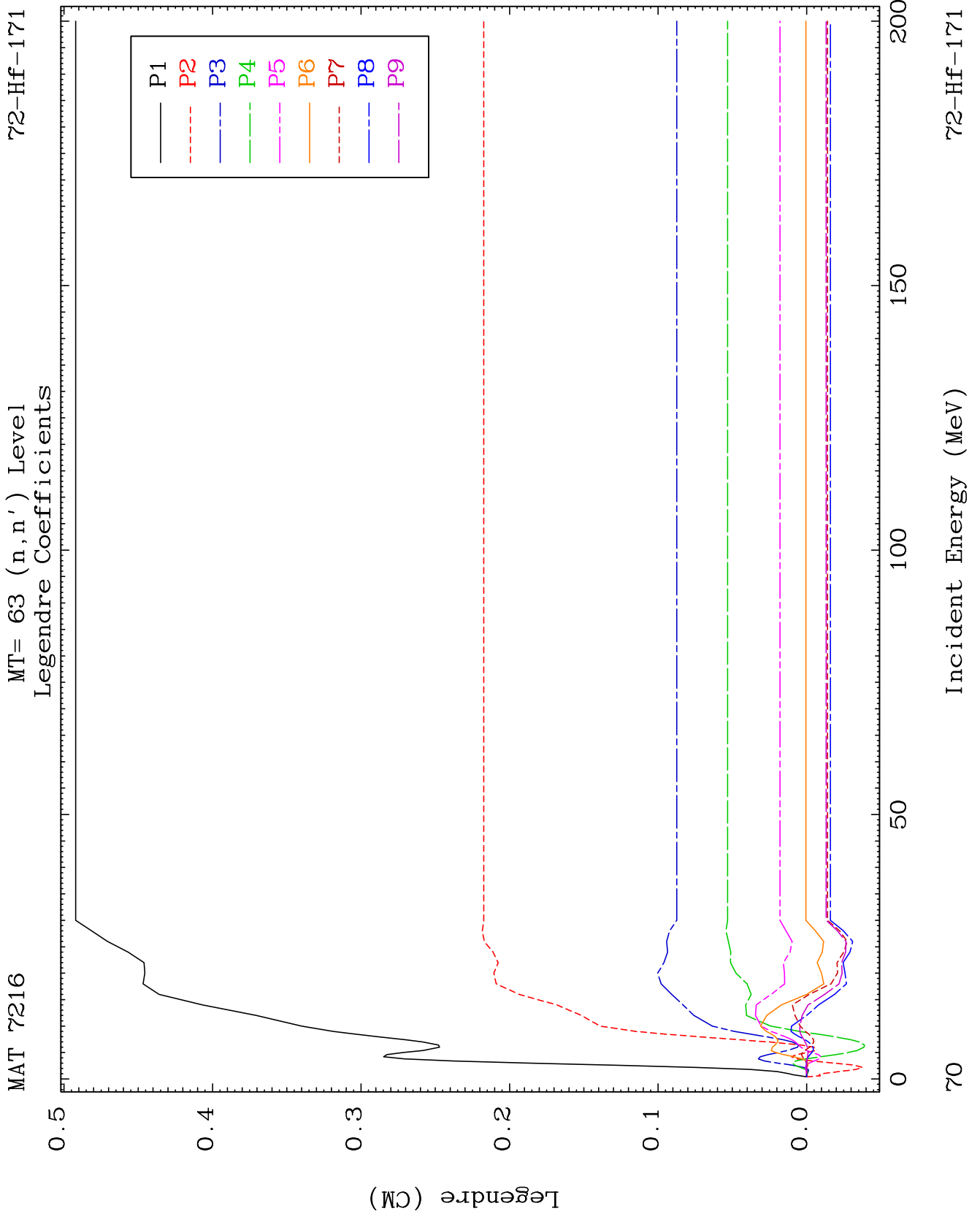
MT= 62 (n,n') Level  
Legendre Coefficients

72-Hf-171



69

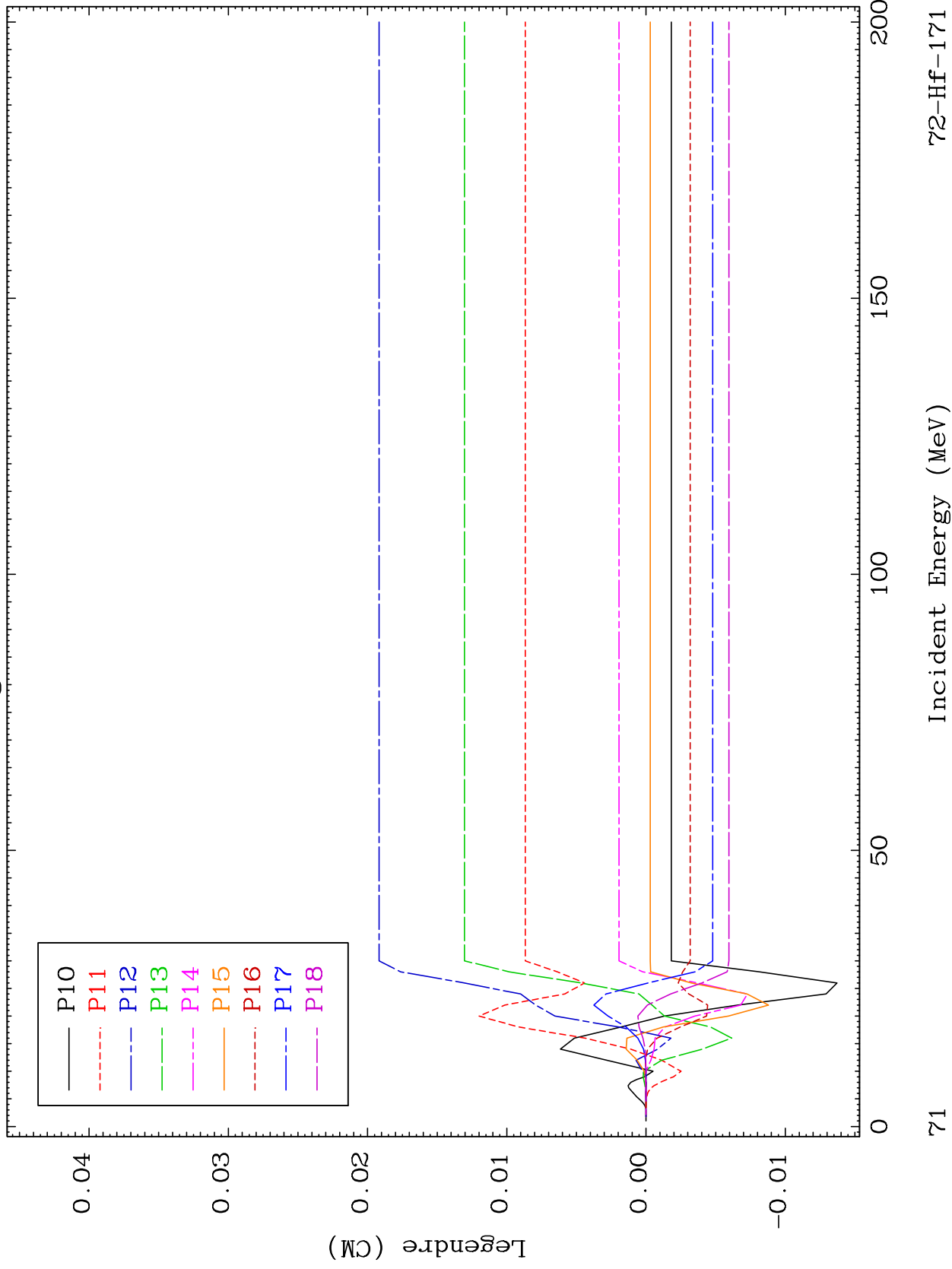
72-Hf-171



MAT 7216

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

72-Hf-171



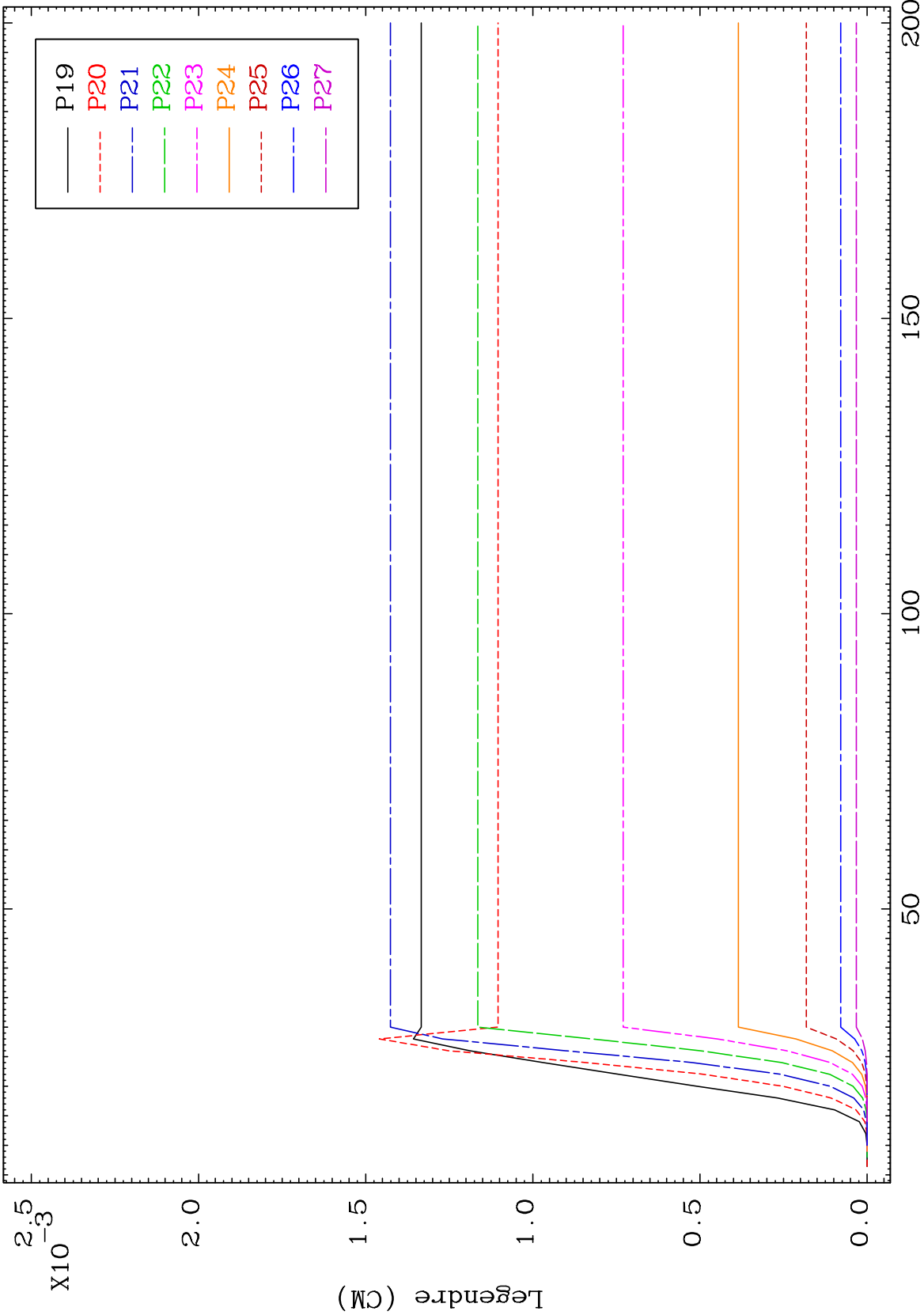
71



MAT 7216

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

72-Hf-171



72

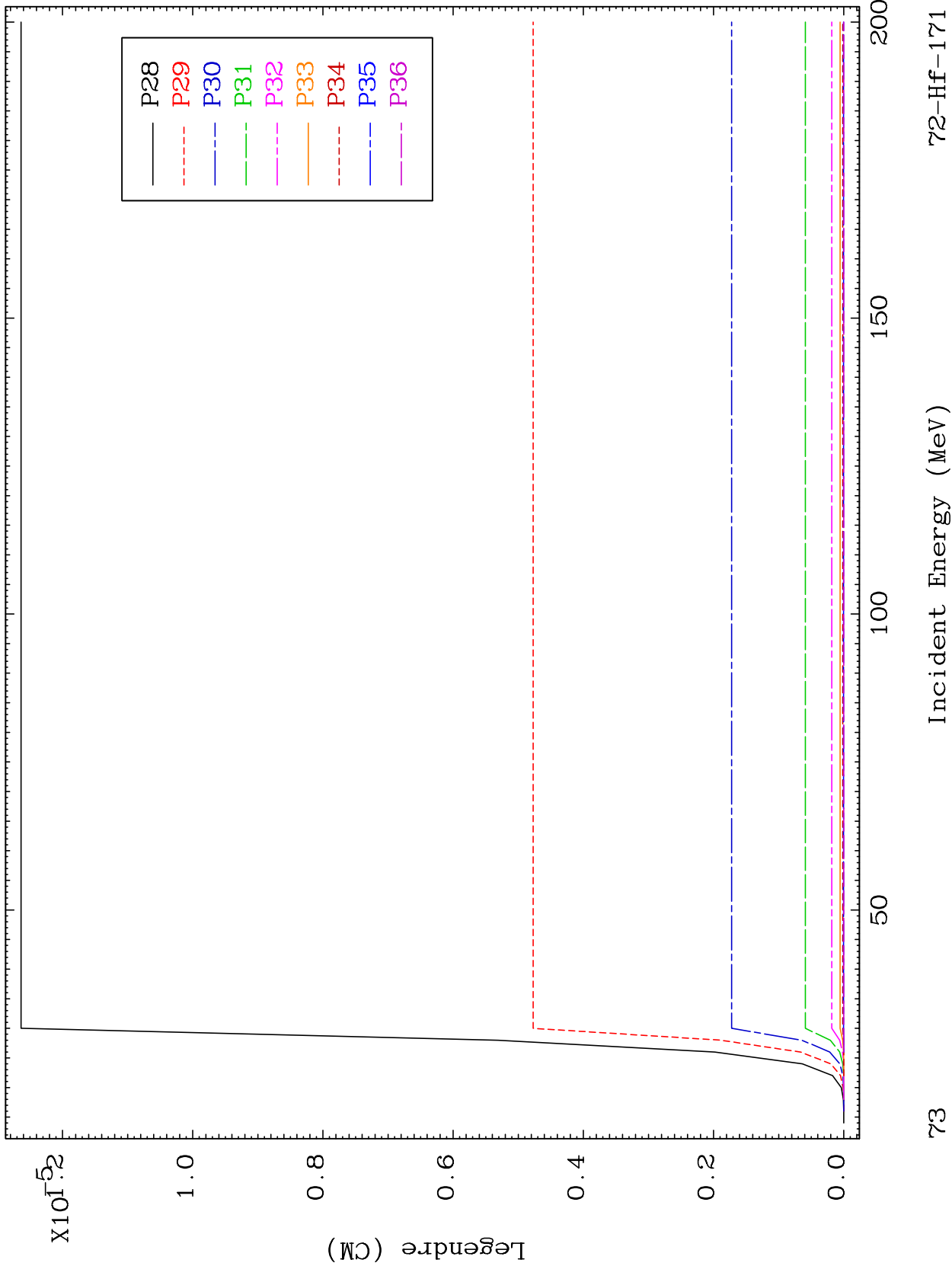
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



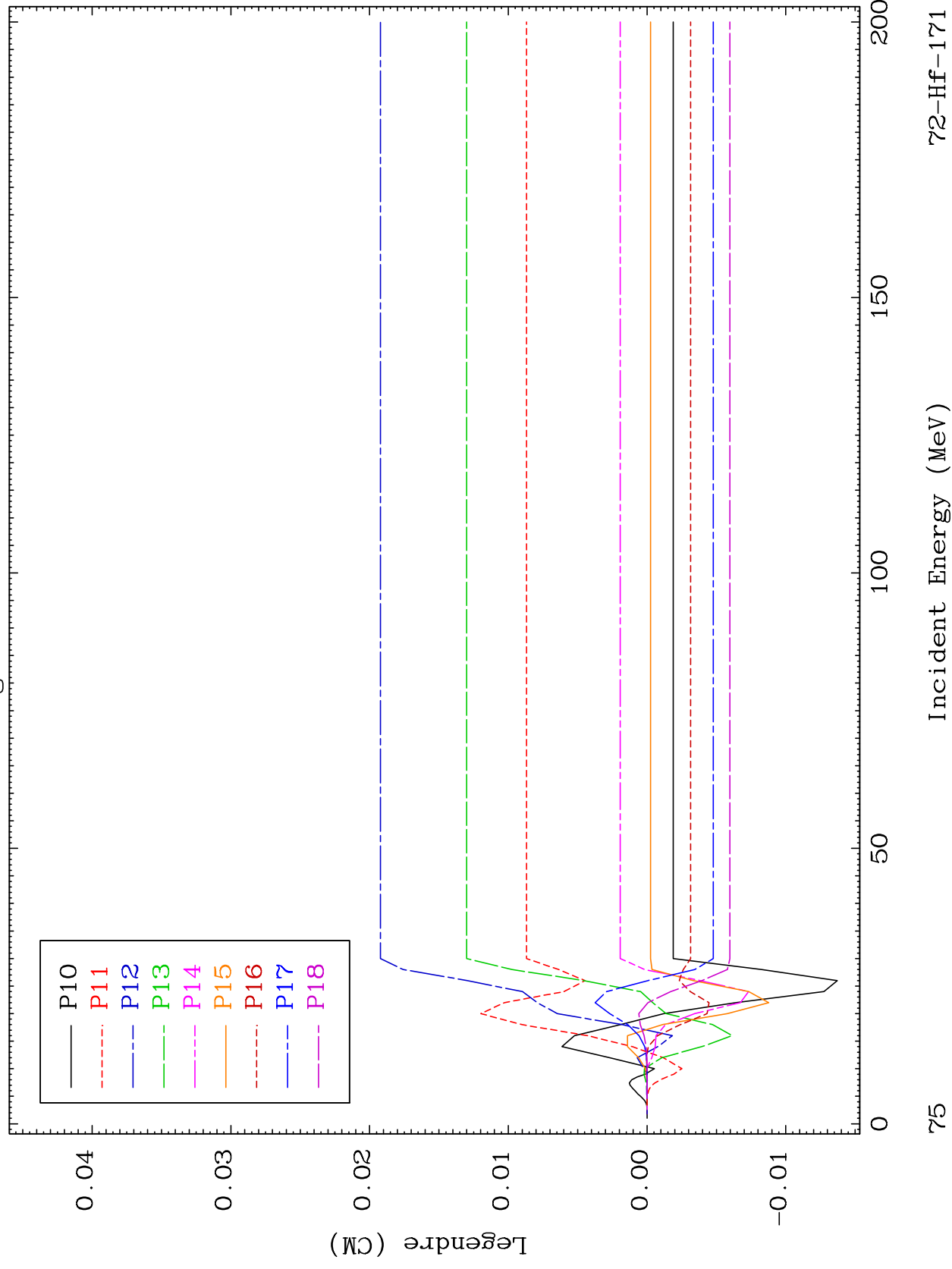
73



MAT 7216

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

72-Hf-171



75

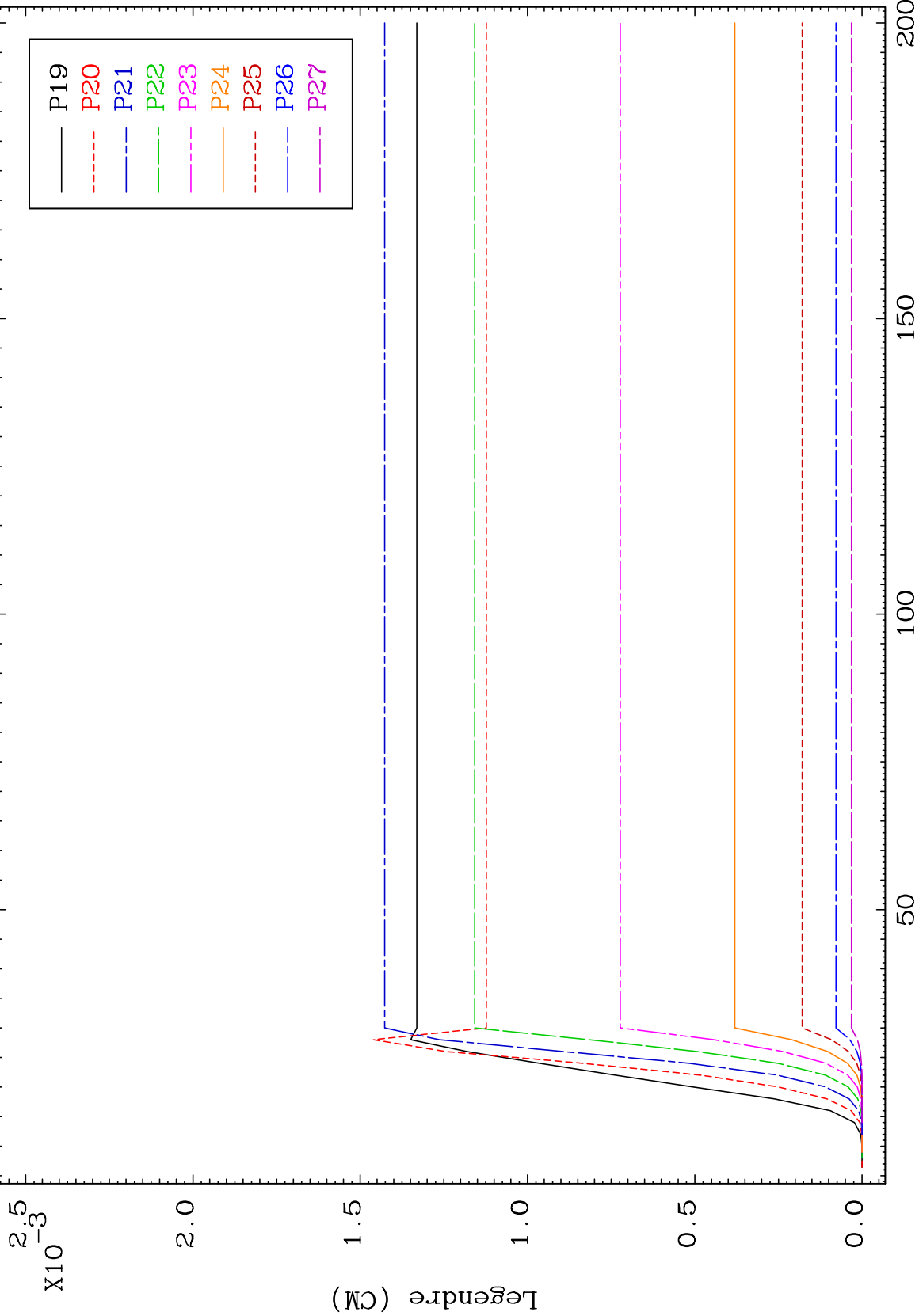
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



76

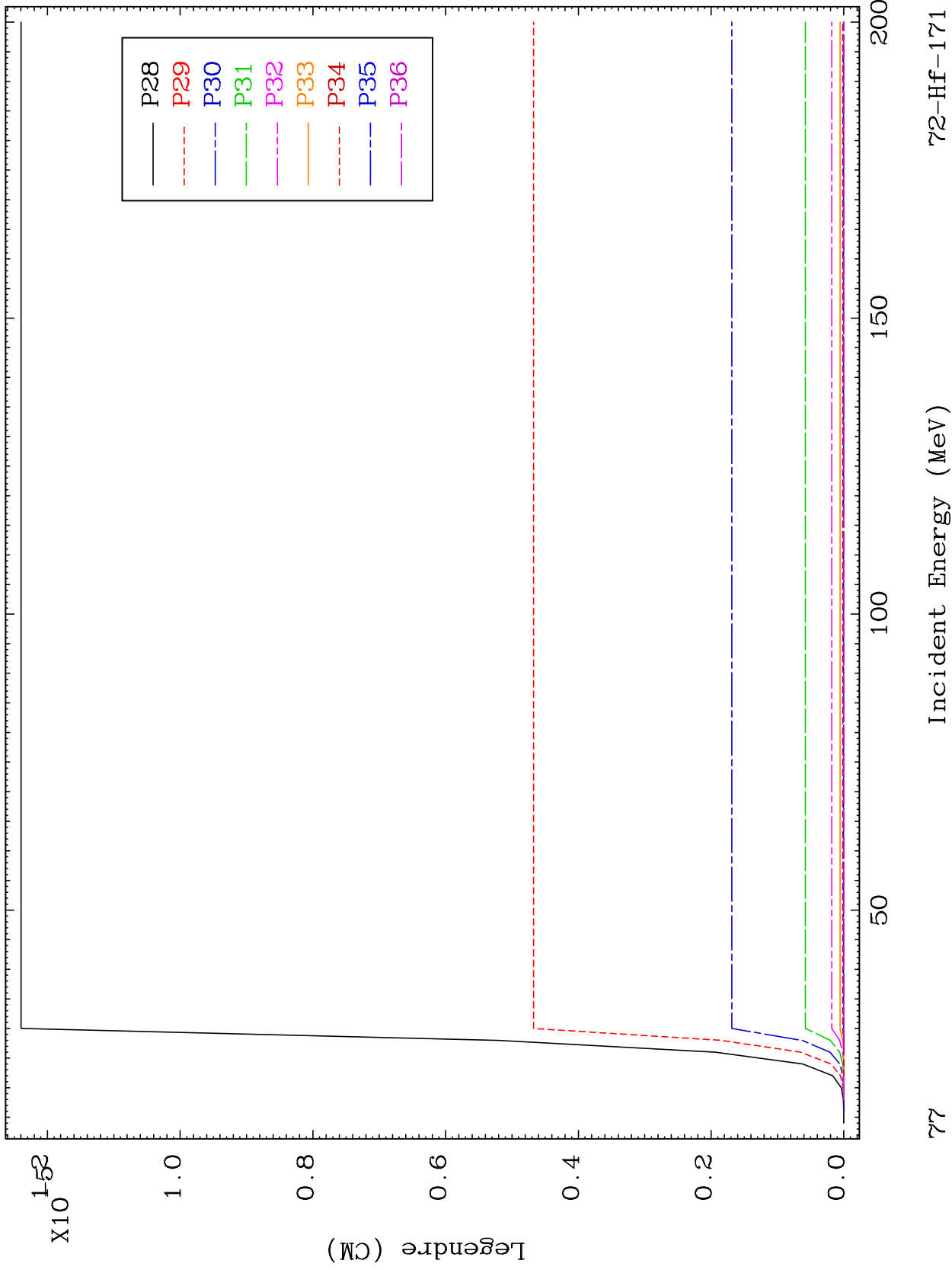
Incident Energy (MeV)

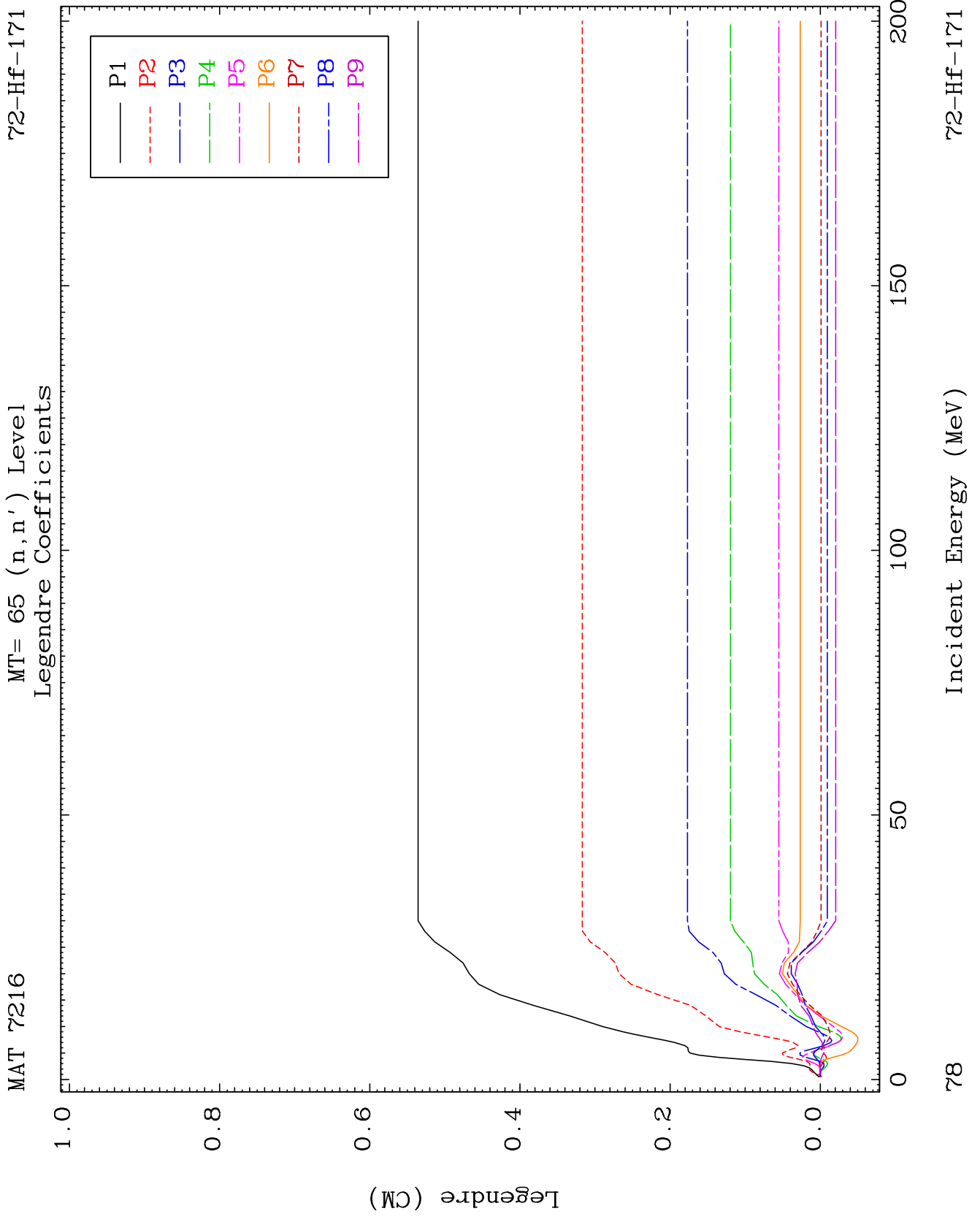
72-Hf-171

MAT 7216

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

72-Hf-171

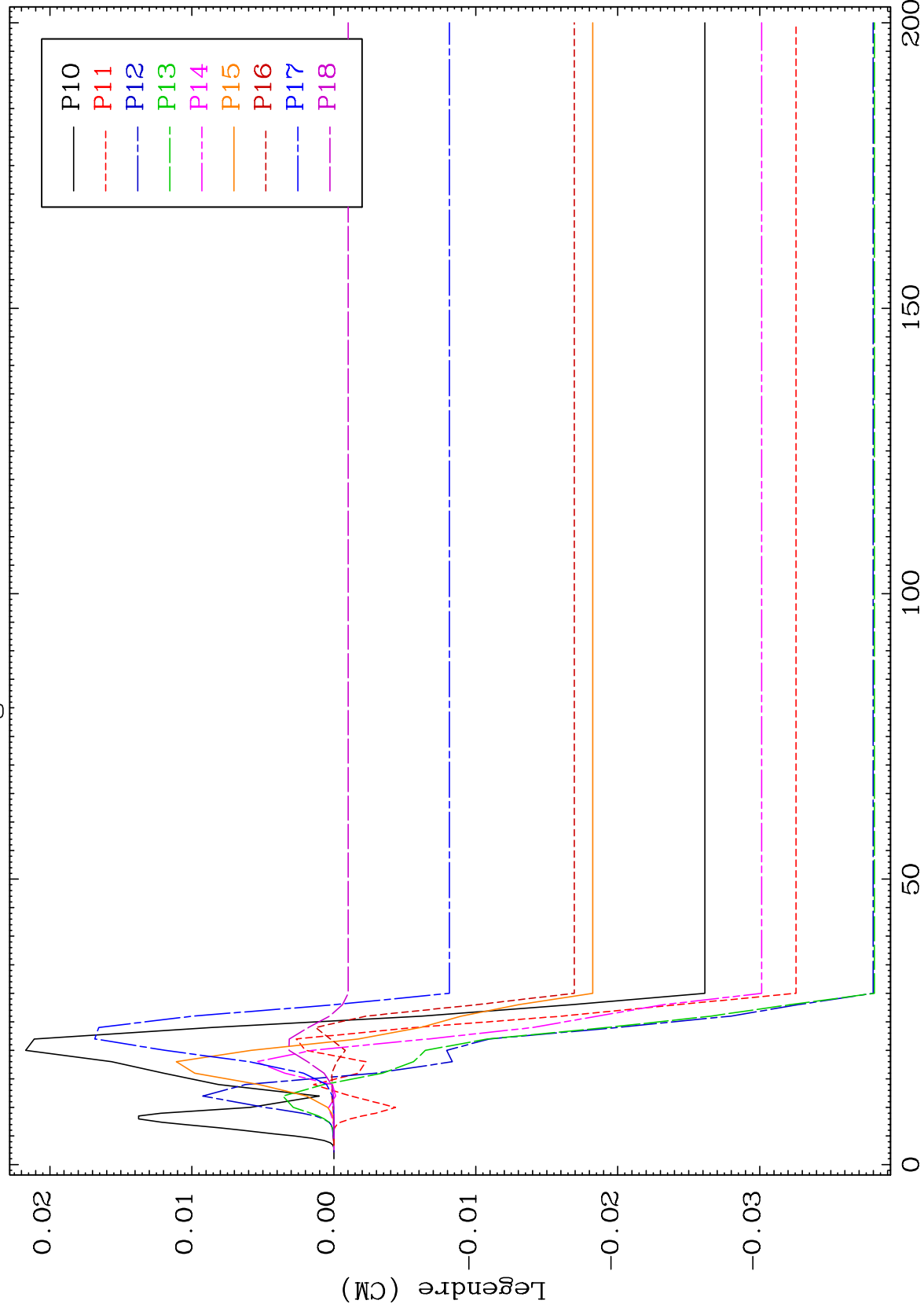




MAT 7216

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

72-Hf-171



79

Incident Energy (MeV)

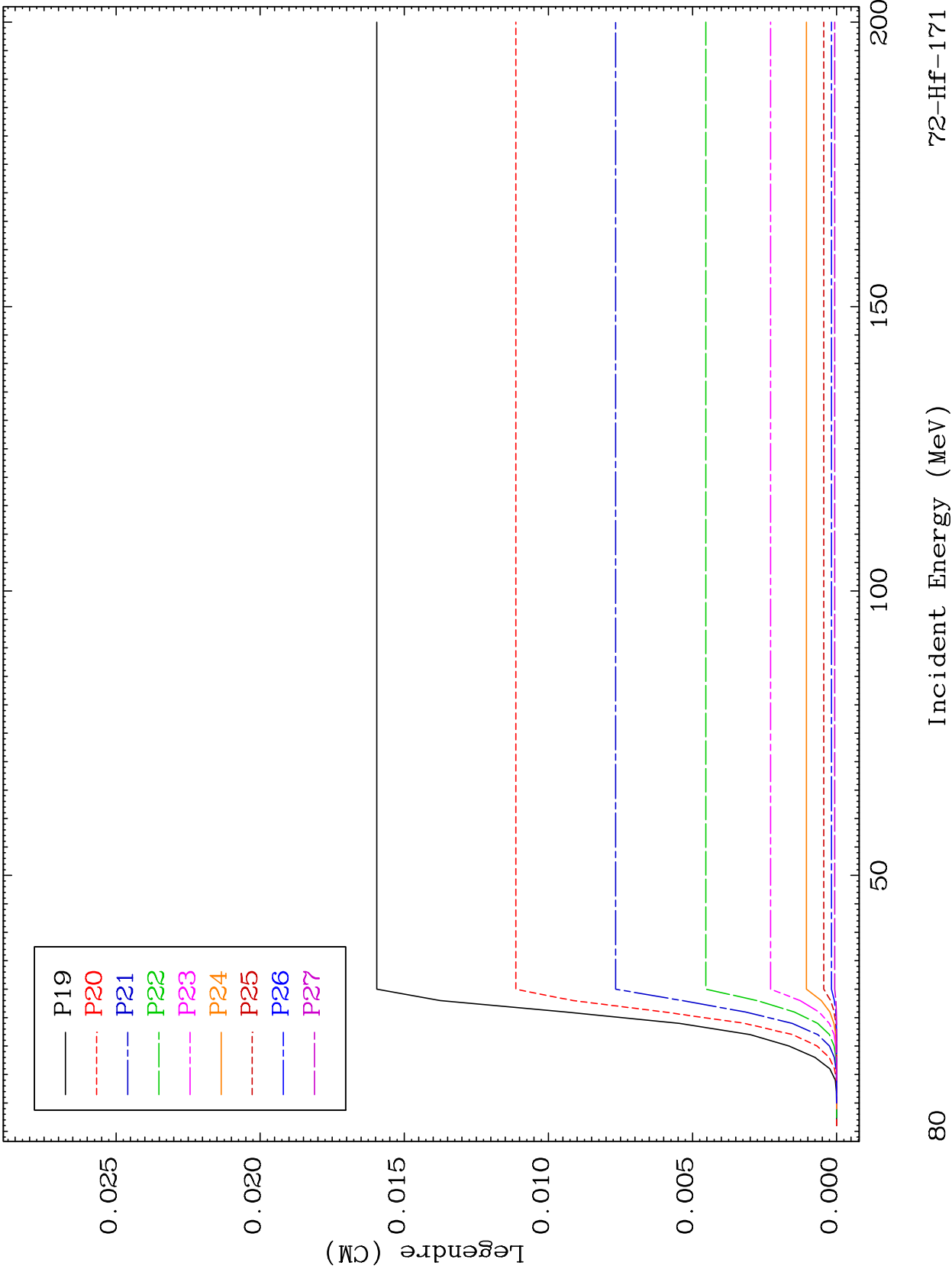
72-Hf-171



MAT 7216

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

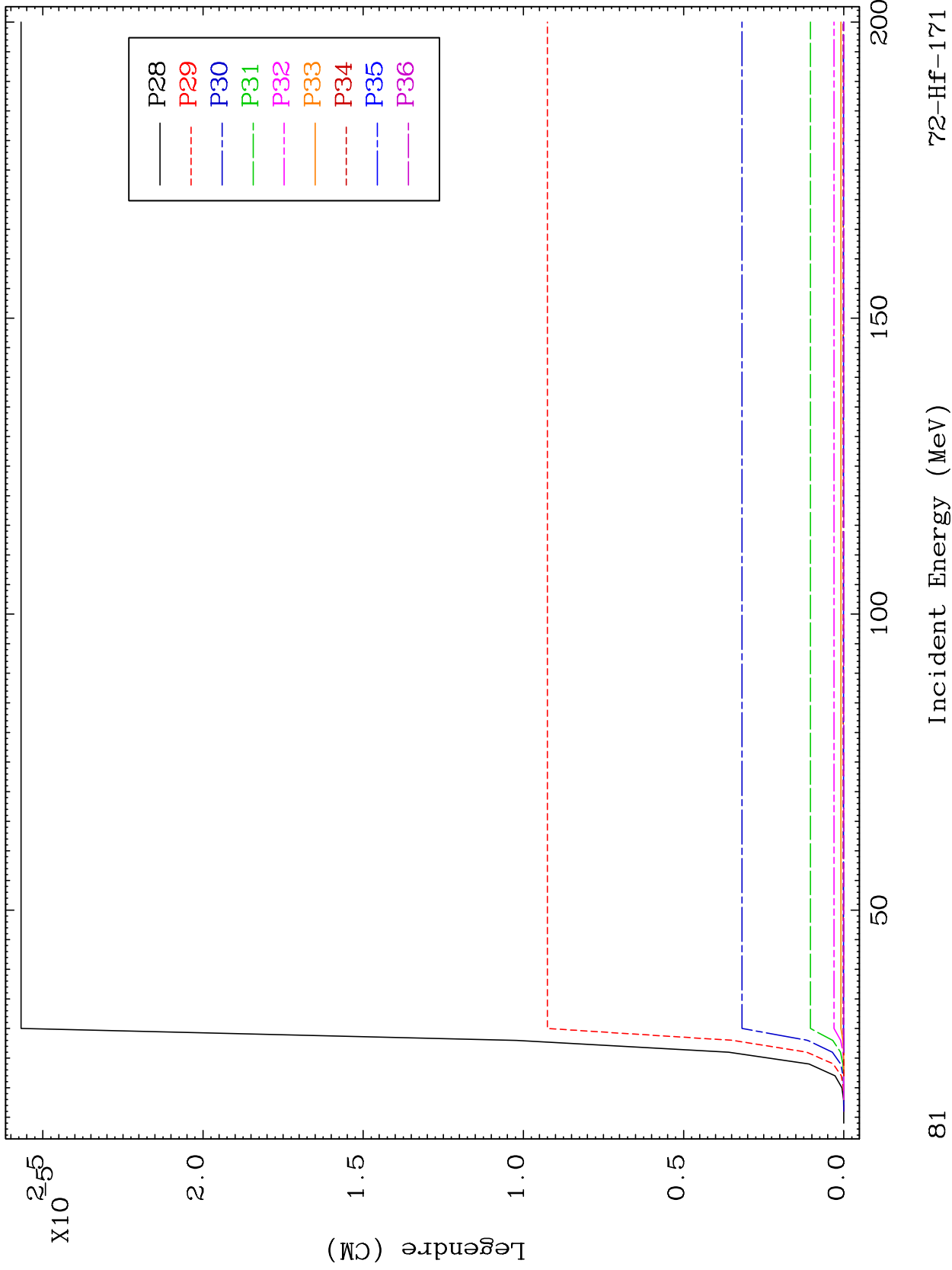
72-Hf-171

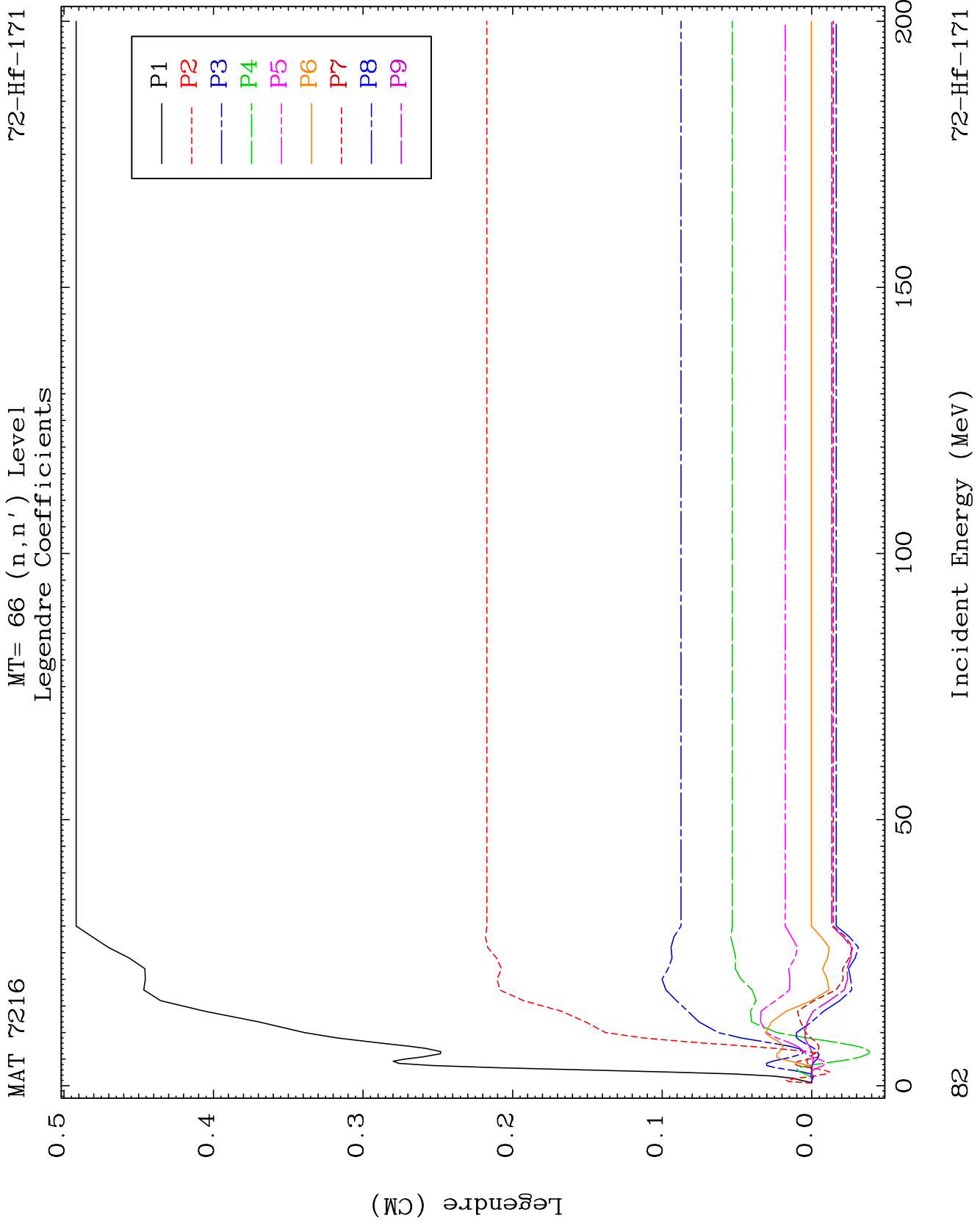


80

Incident Energy (MeV)

72-Hf-171

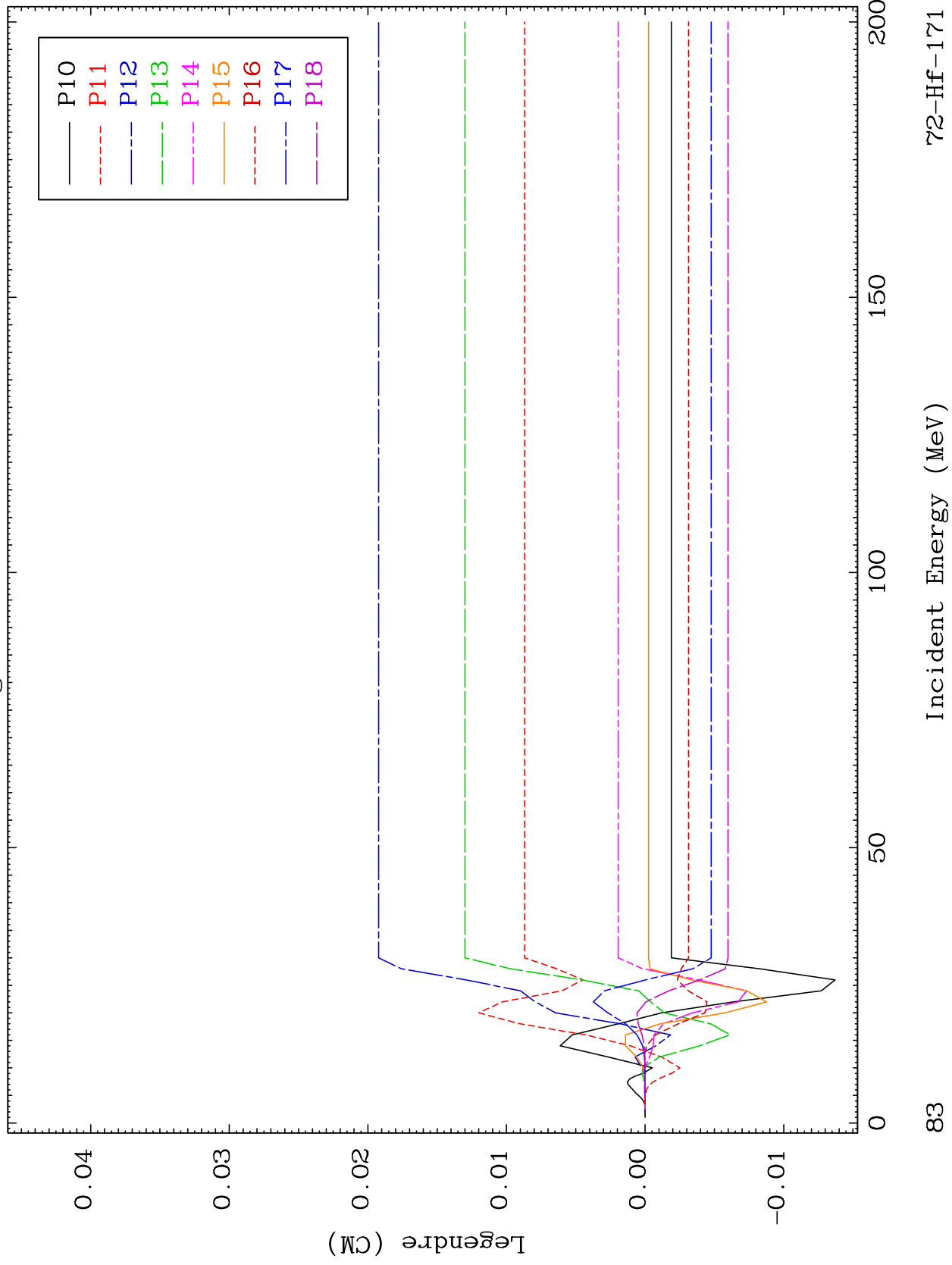




MAT 7216

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

72-Hf-171



83

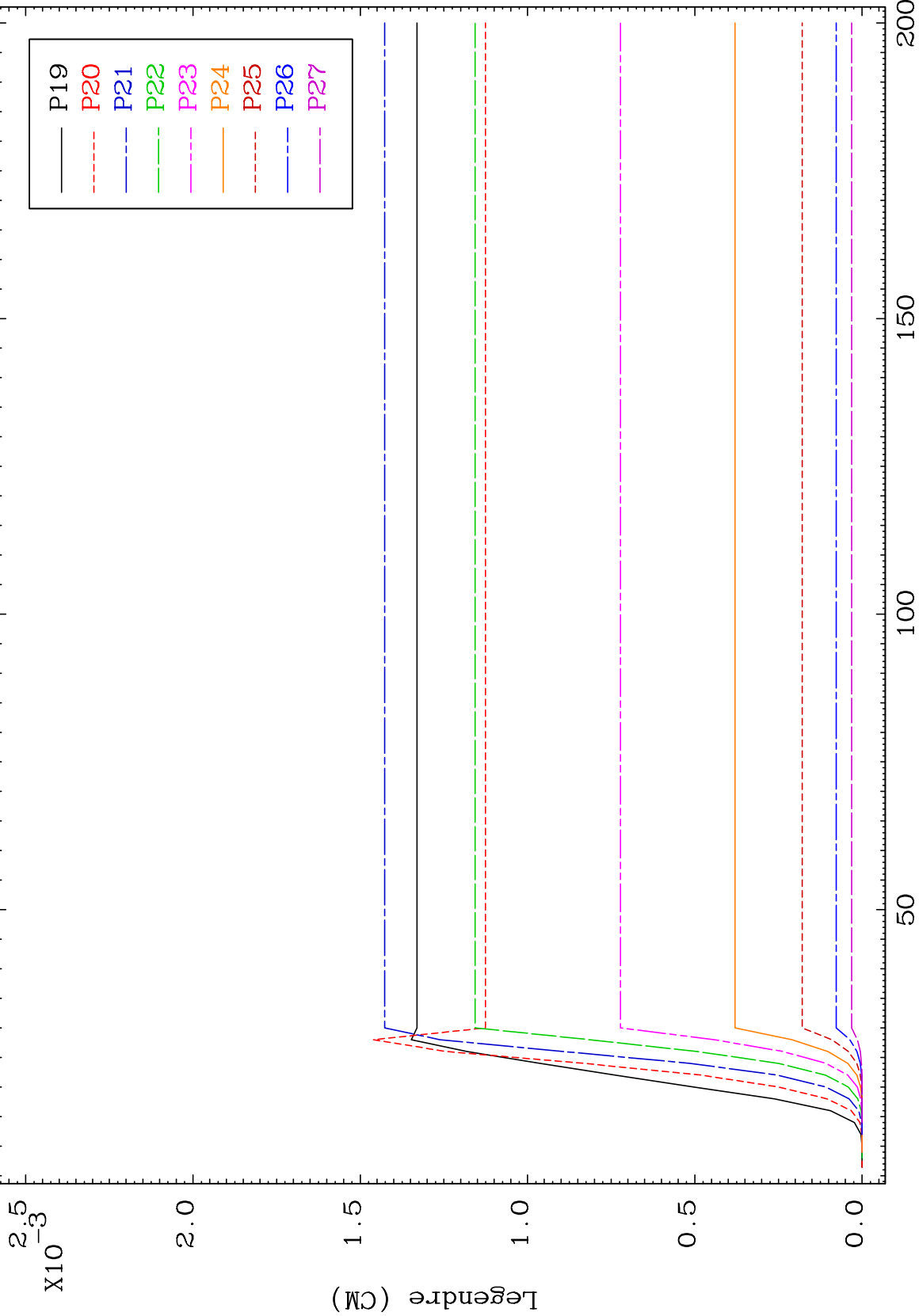
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



84

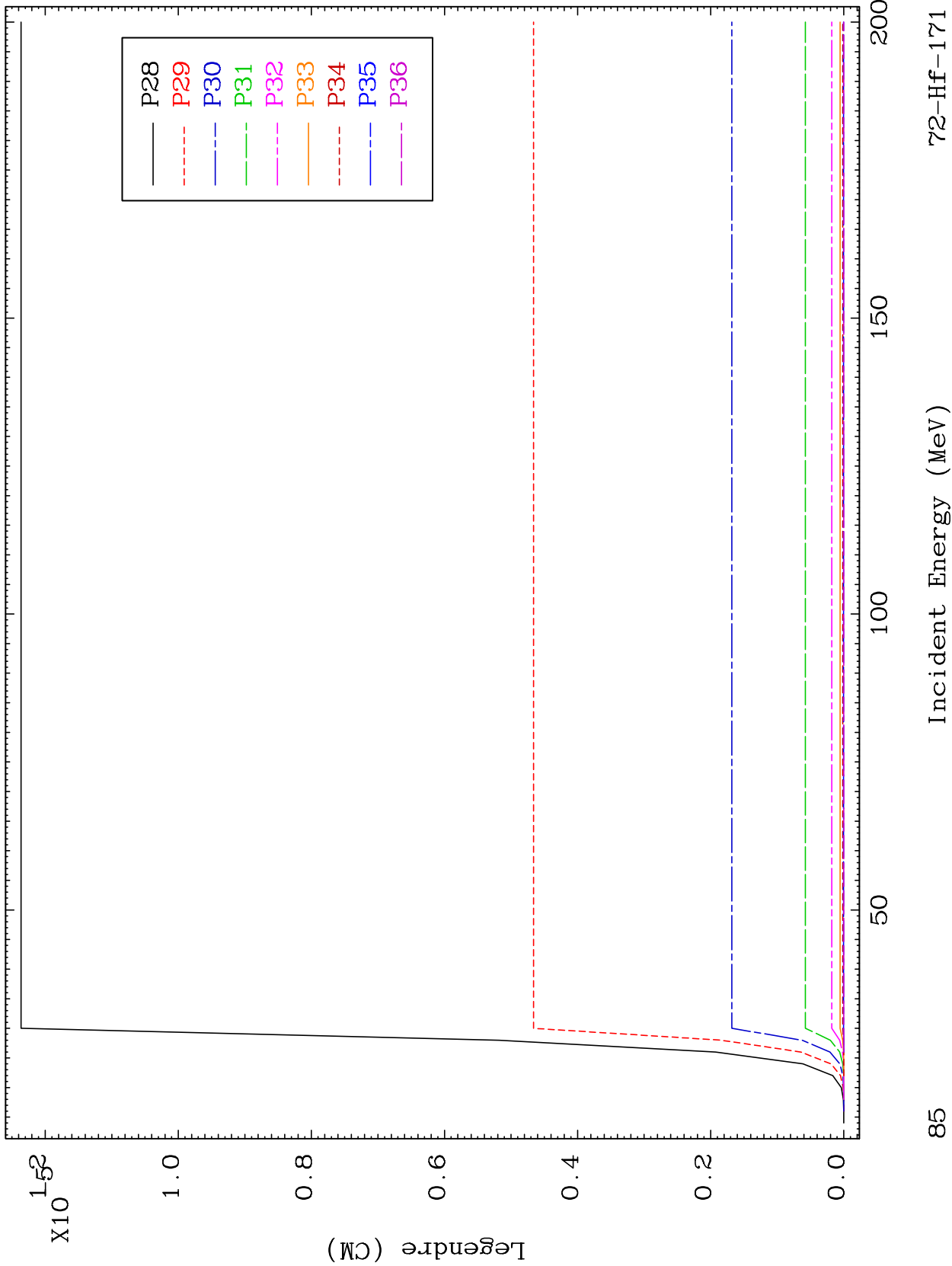
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



85

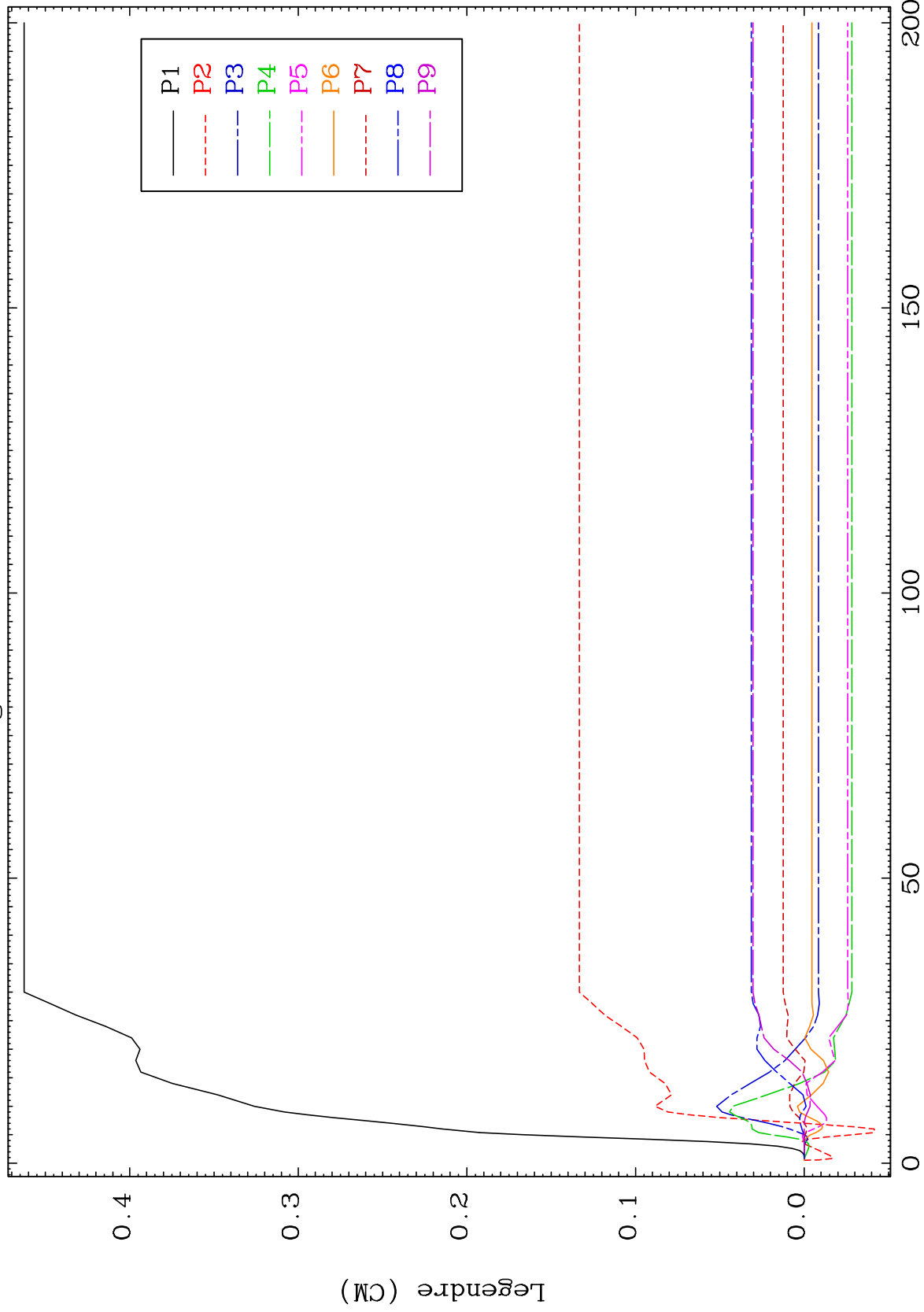
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



86

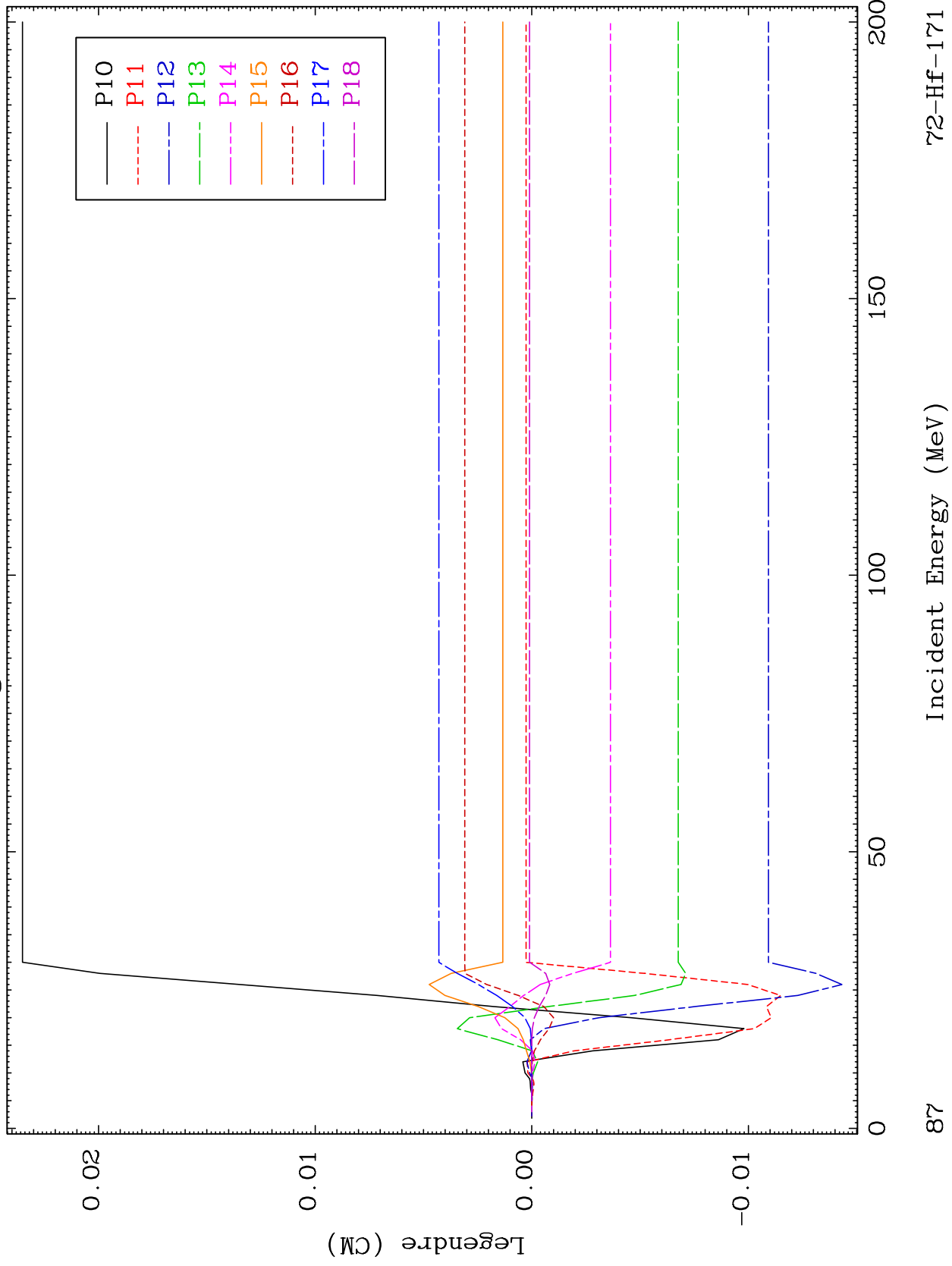
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171

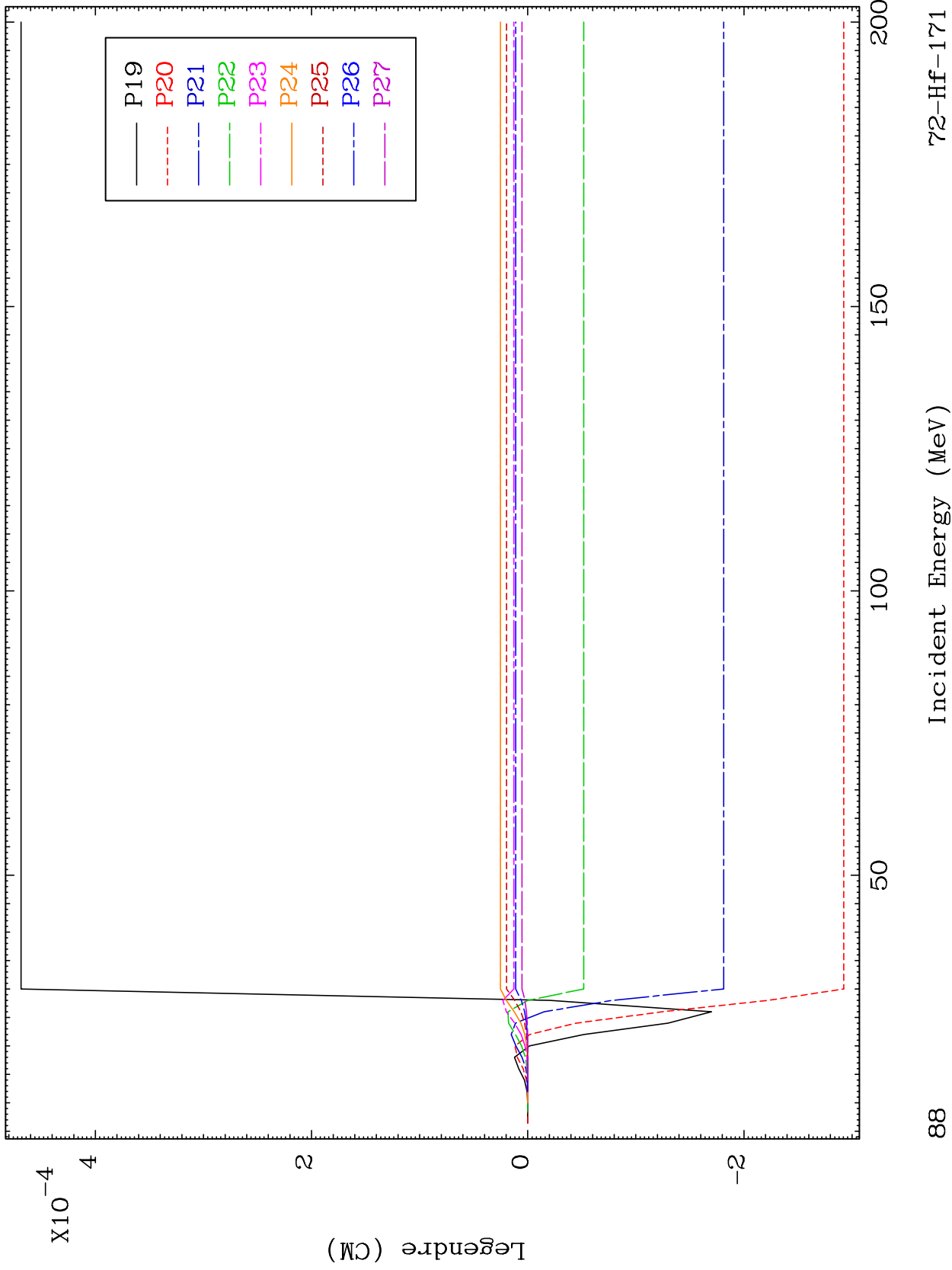


72-Hf-171

Incident Energy (MeV)

87

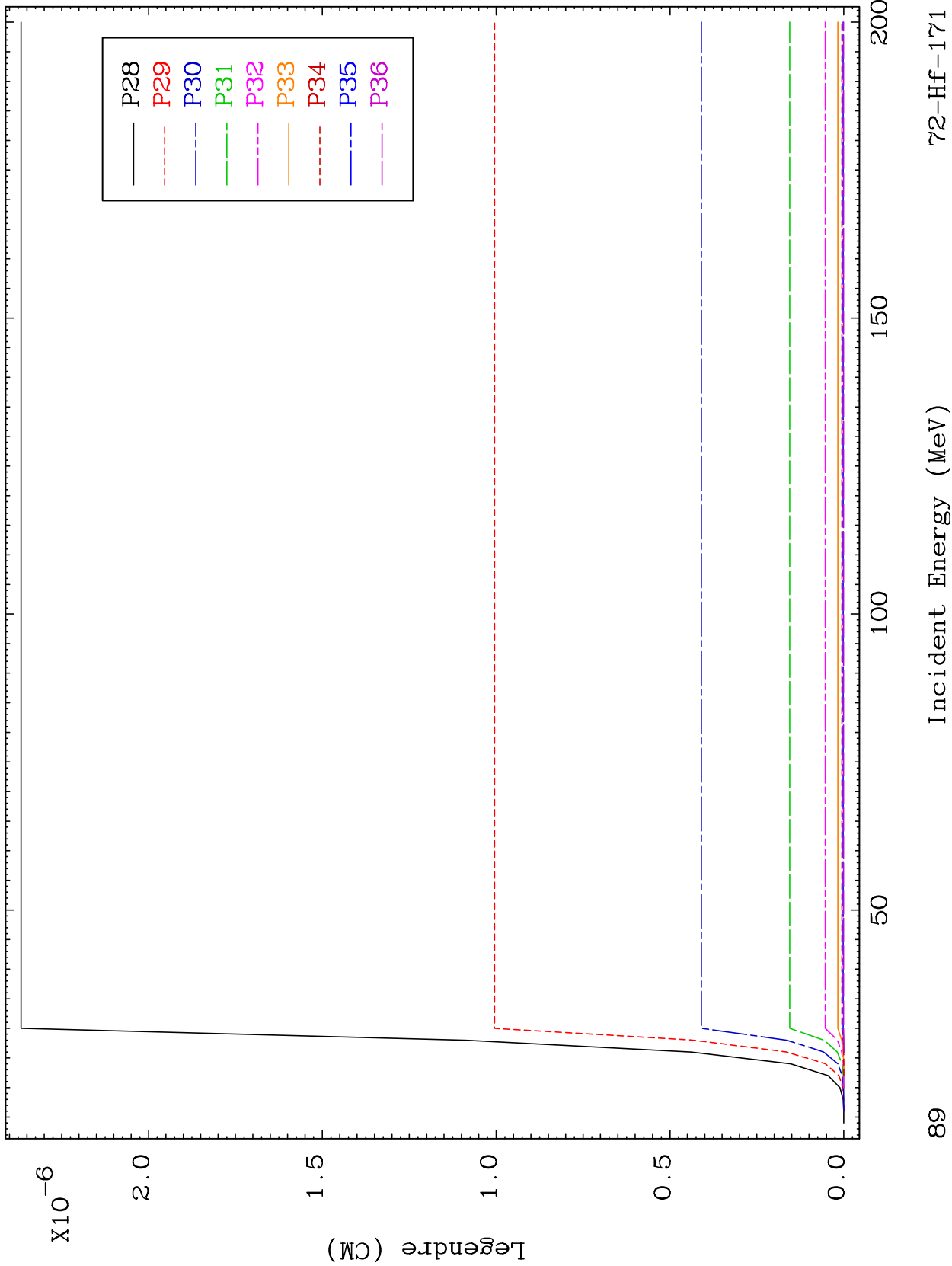




MAT 7216

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

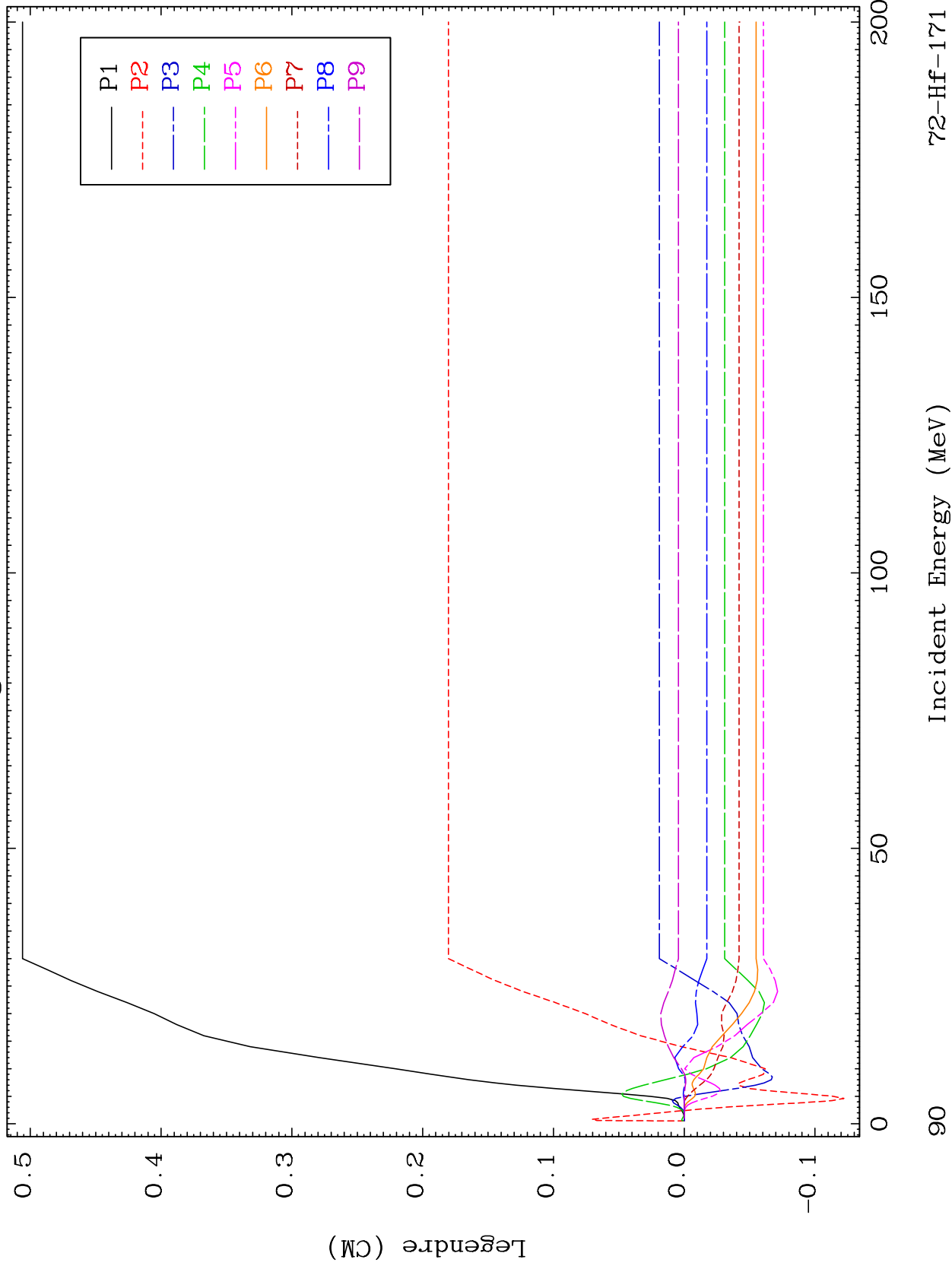
72-Hf-171



MAT 7216

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

72-Hf-171



72-Hf-171

Incident Energy (MeV)

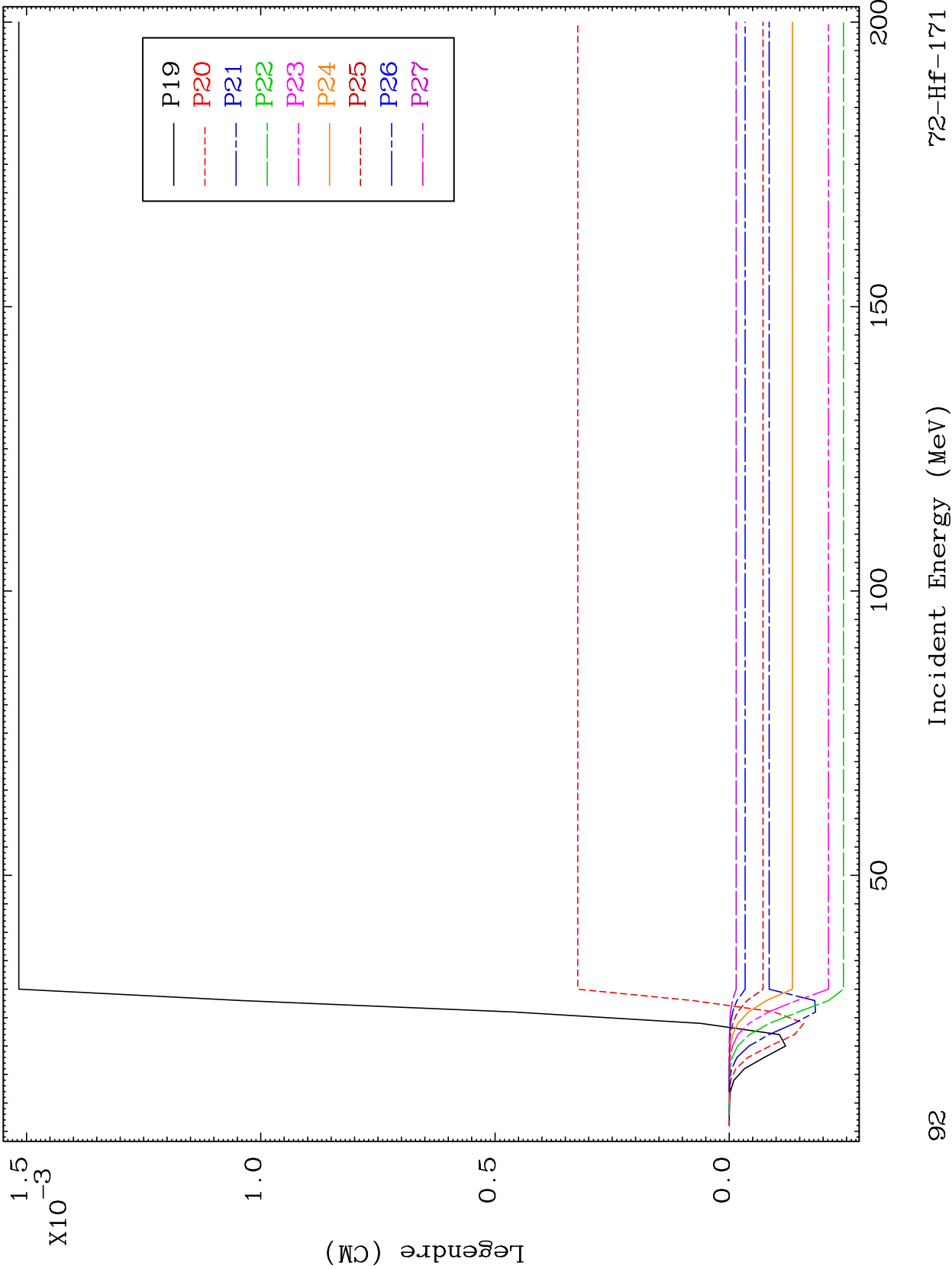
90



MAT 7216

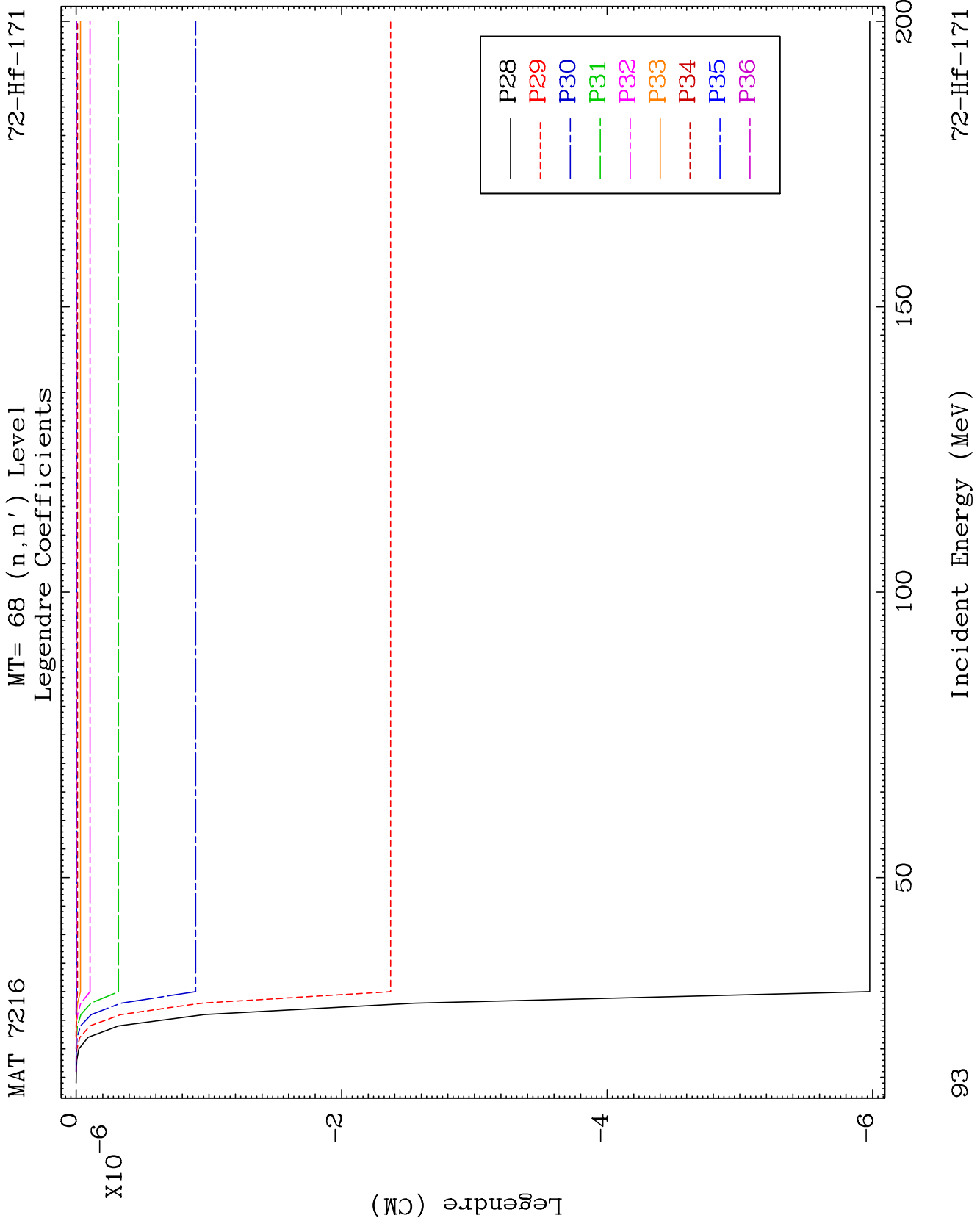
MT= 68 (n,n') Level  
Legendre Coefficients

72-Hf-171



92

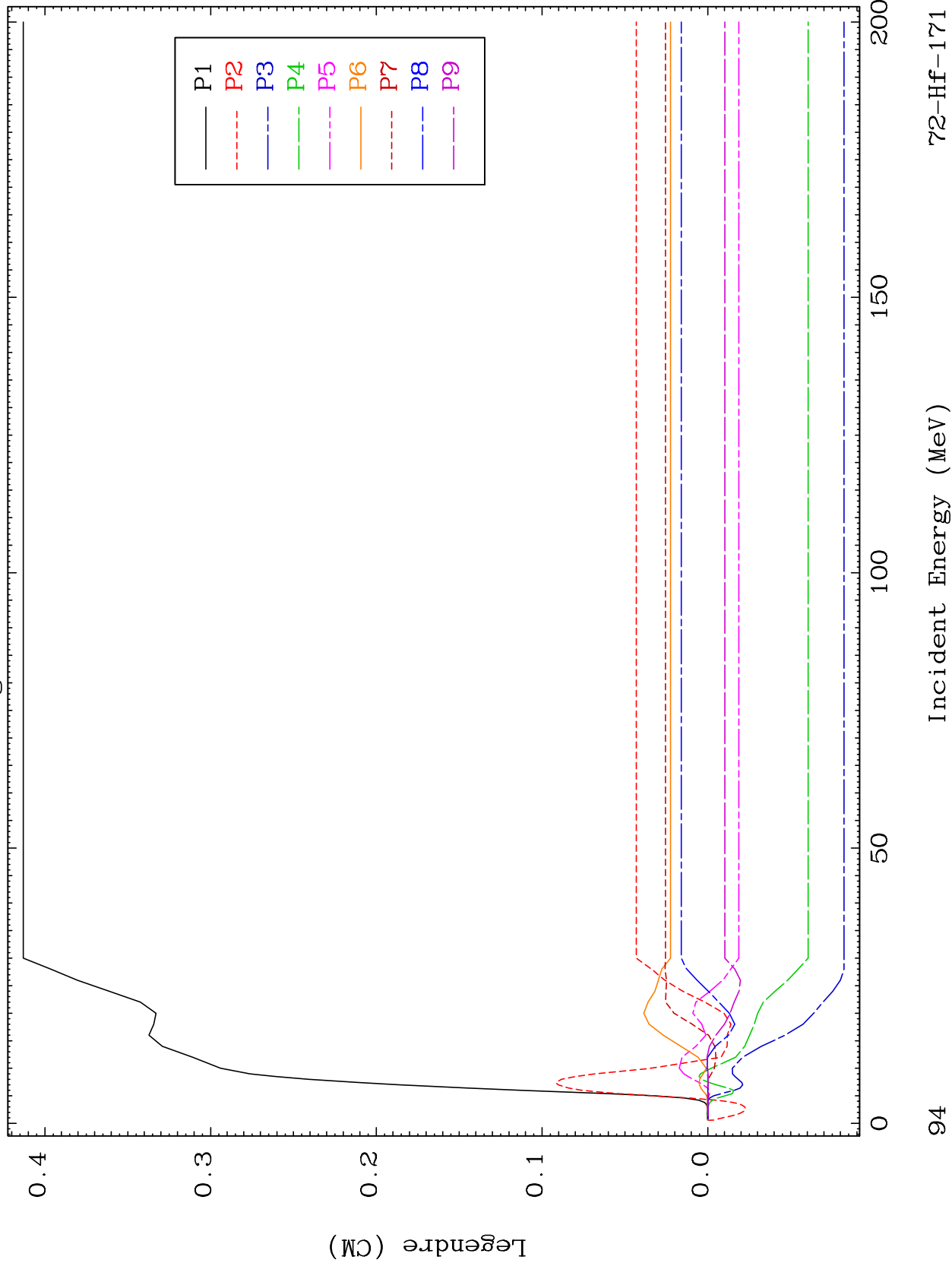
72-Hf-171



MAT 7216

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

72-Hf-171



94

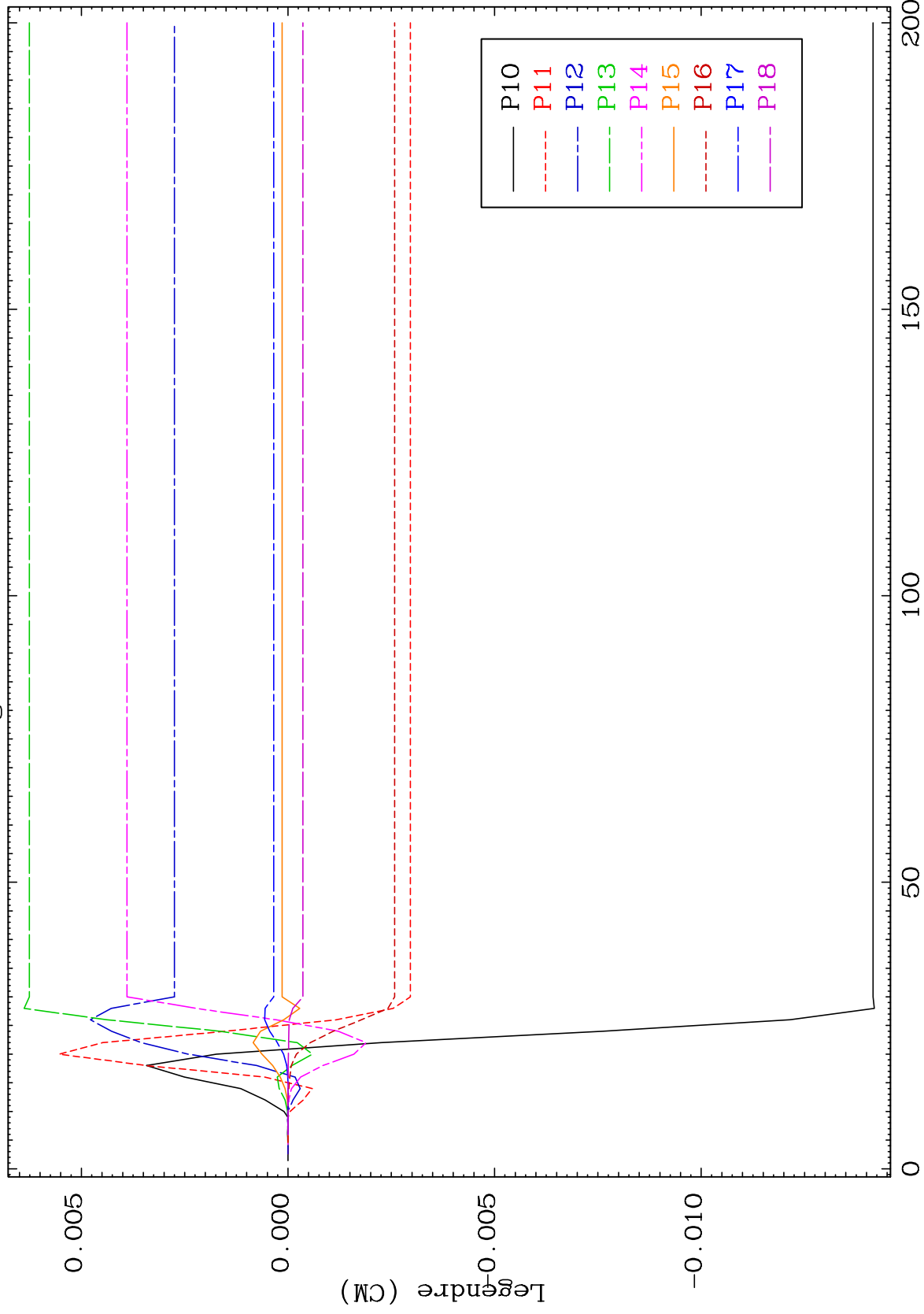
Incident Energy (MeV)

72-Hf-171

MAT 7216

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

72-Hf-171



95

Incident Energy (MeV)

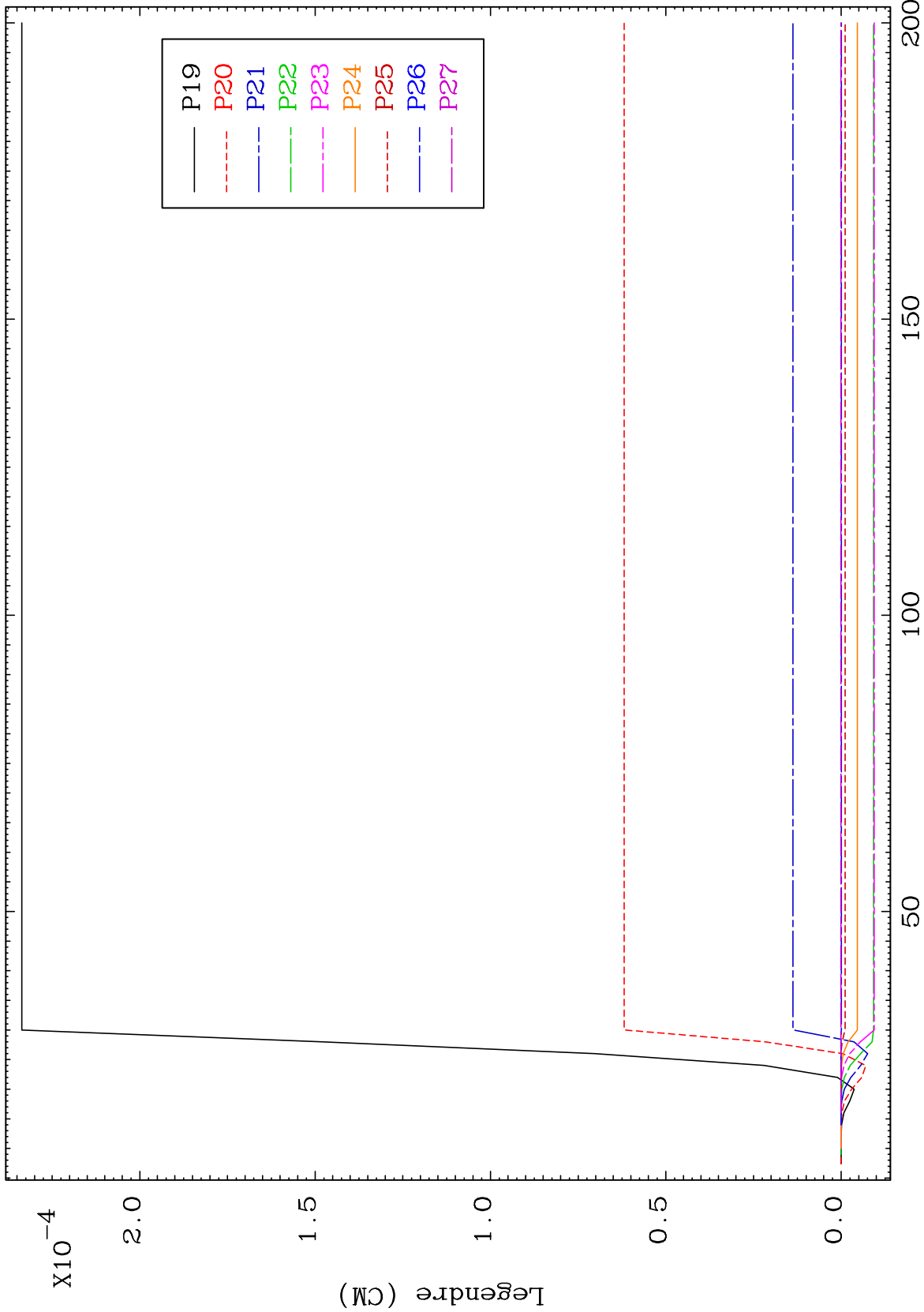
72-Hf-171



MAT 7216

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

72-Hf-171

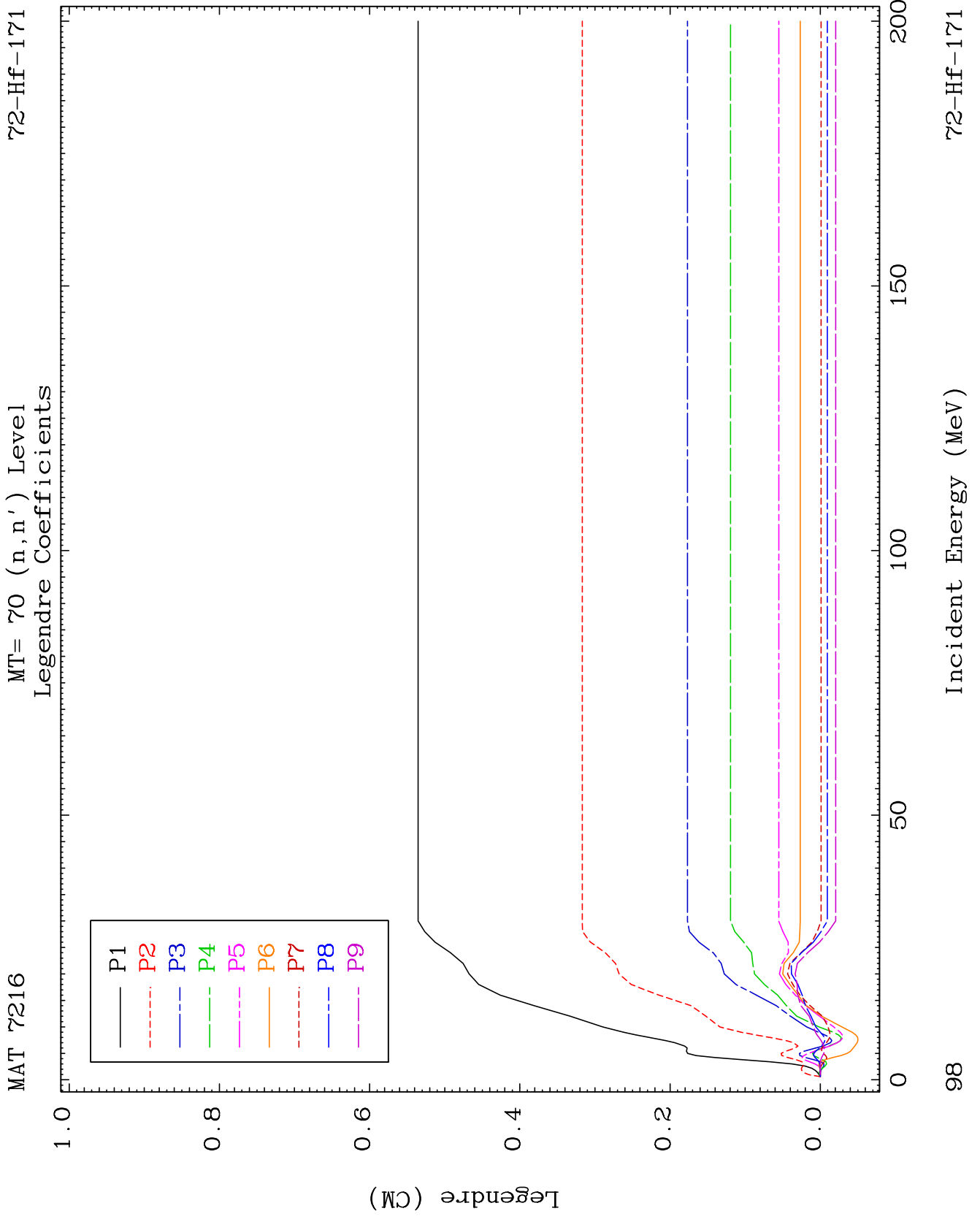


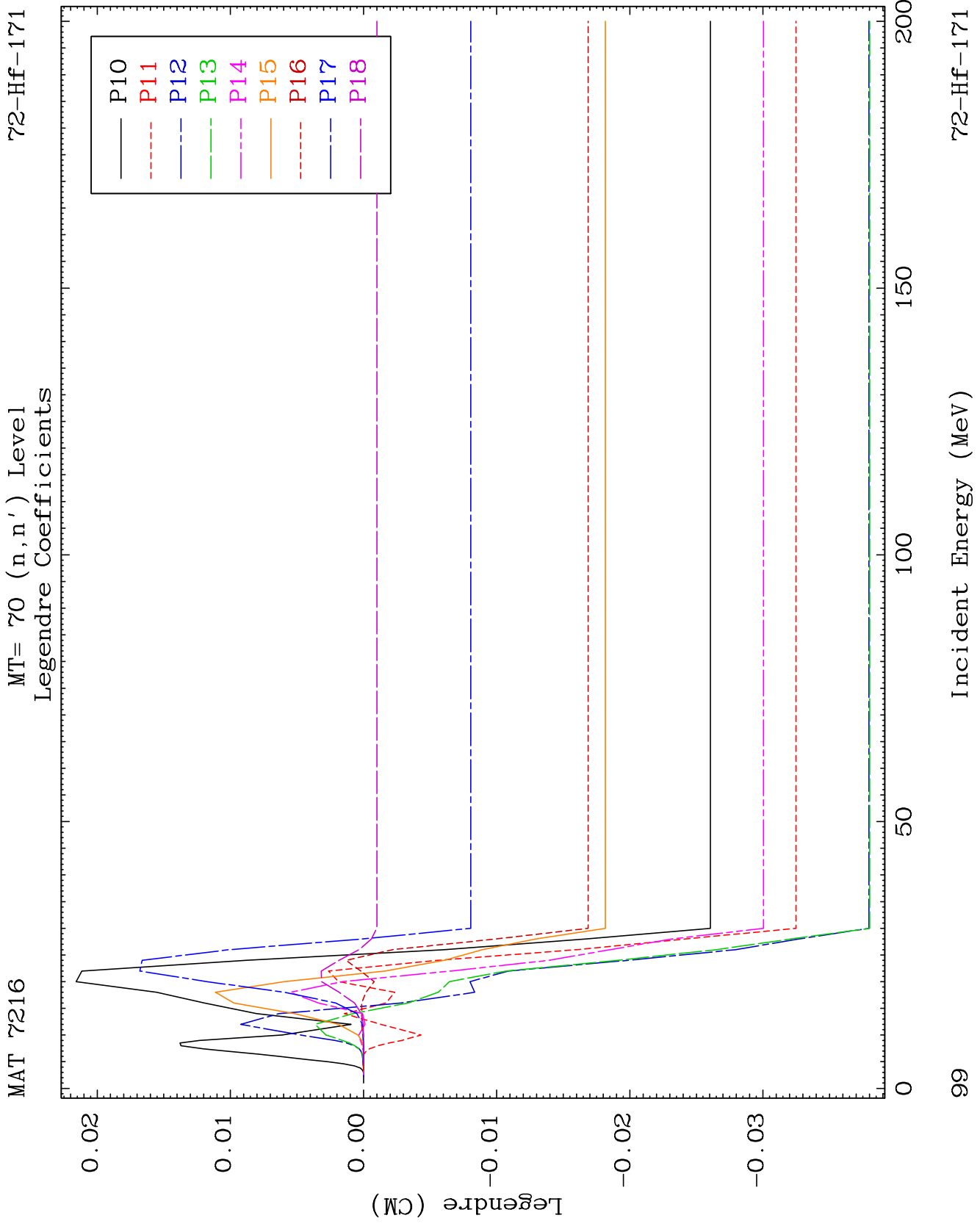
96

Incident Energy (MeV)

72-Hf-171



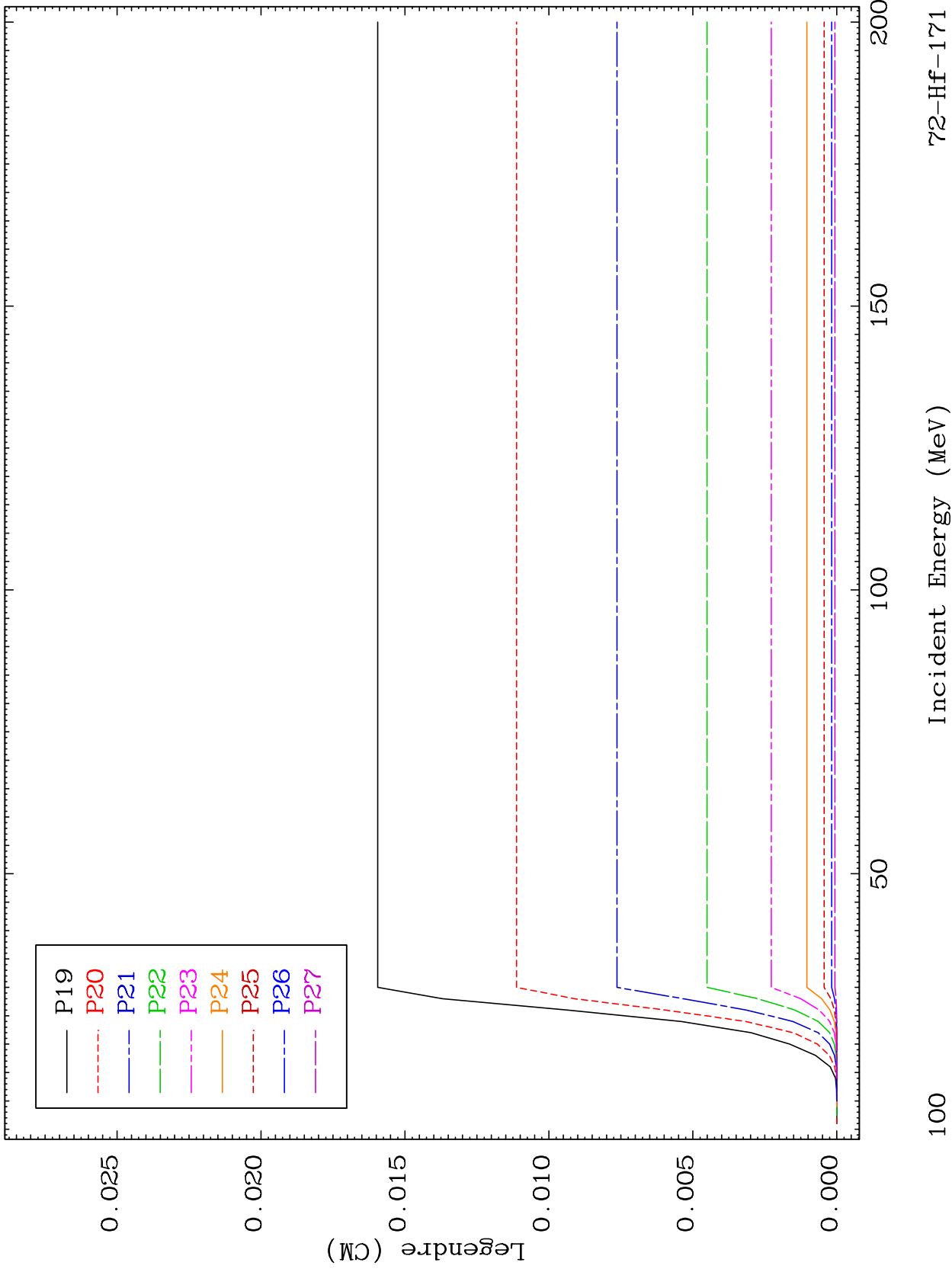




MAT 7216

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

72-Hf-171



72-Hf-171

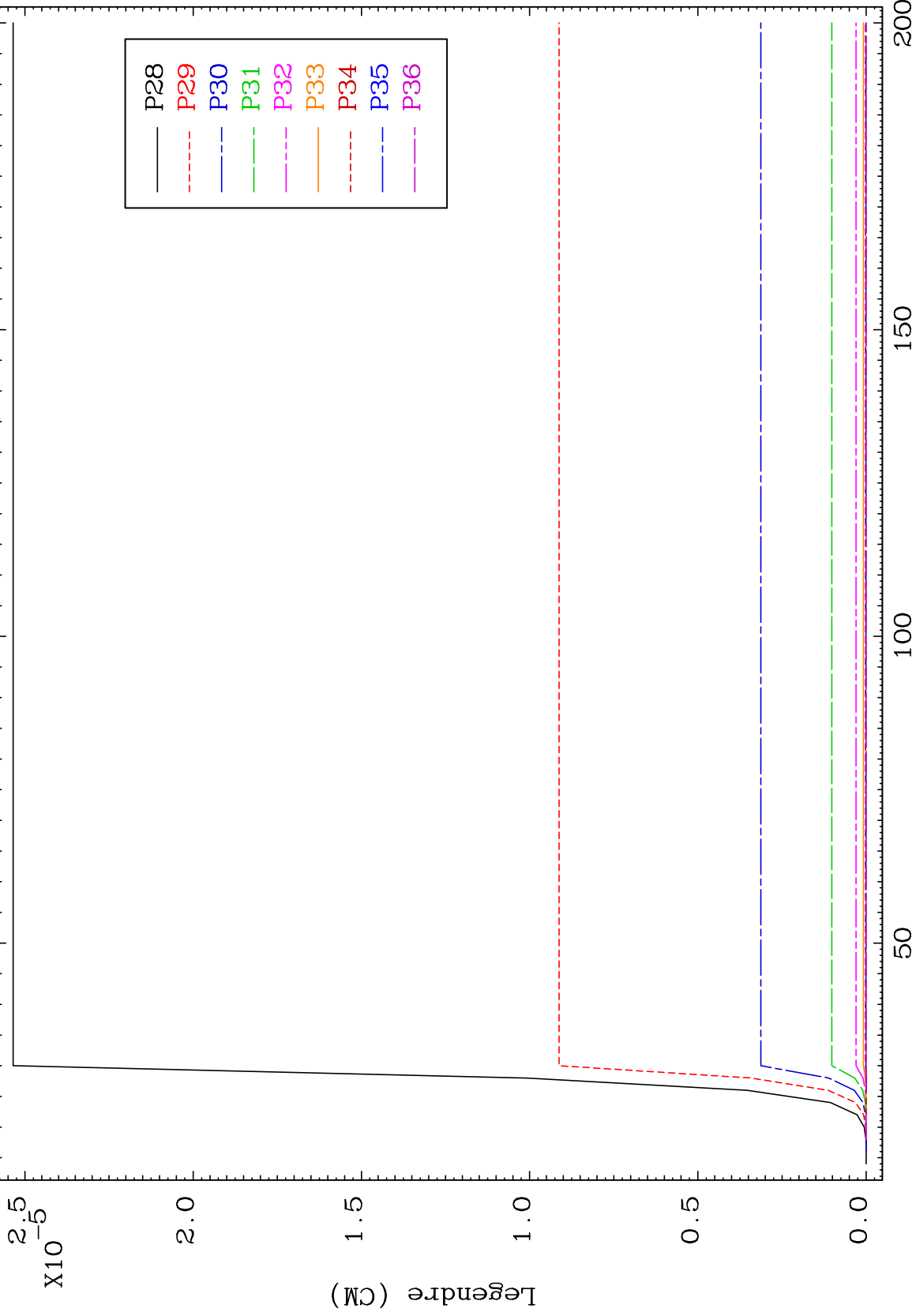
Incident Energy (MeV)

100

MAT 7216

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

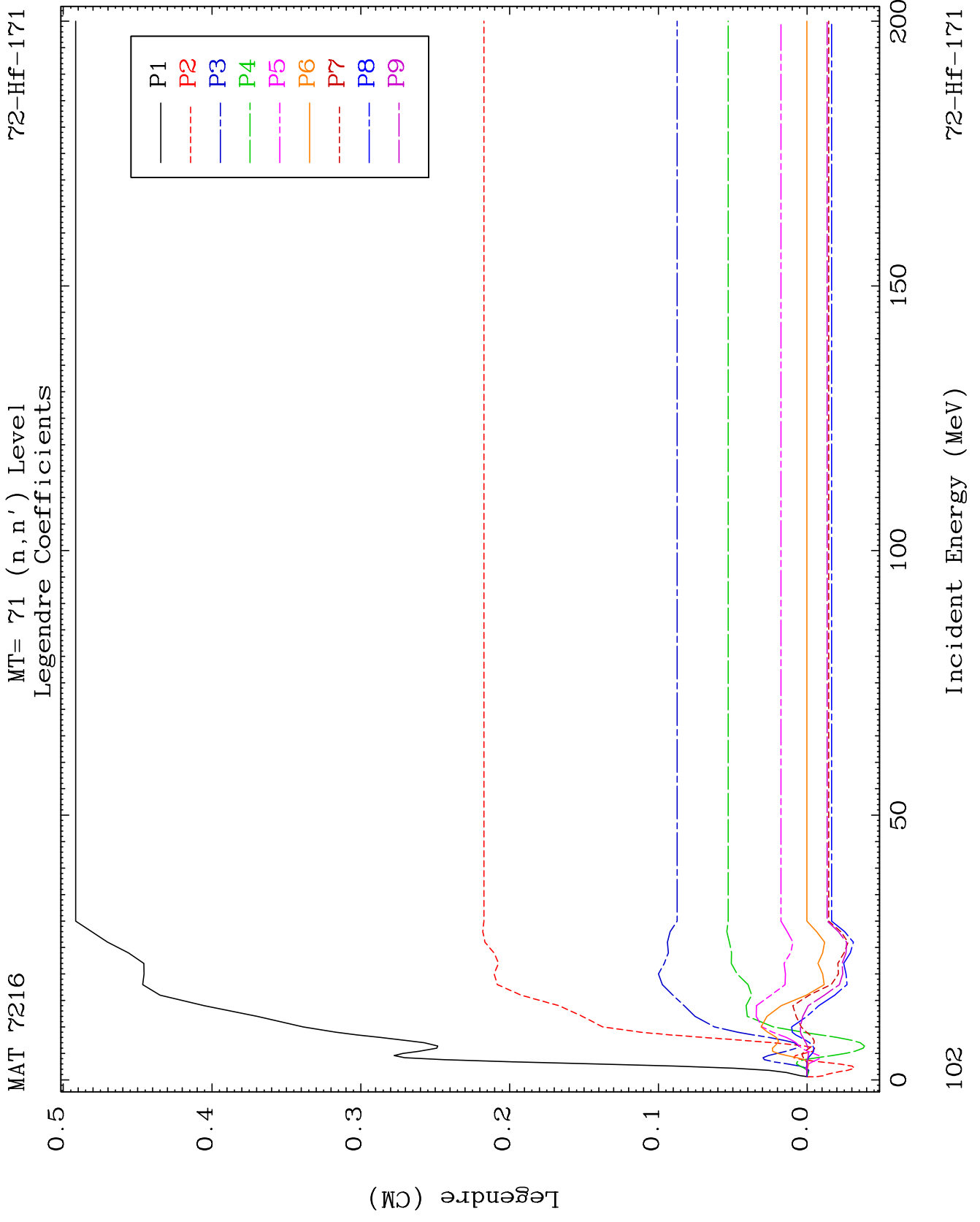
72-Hf-171

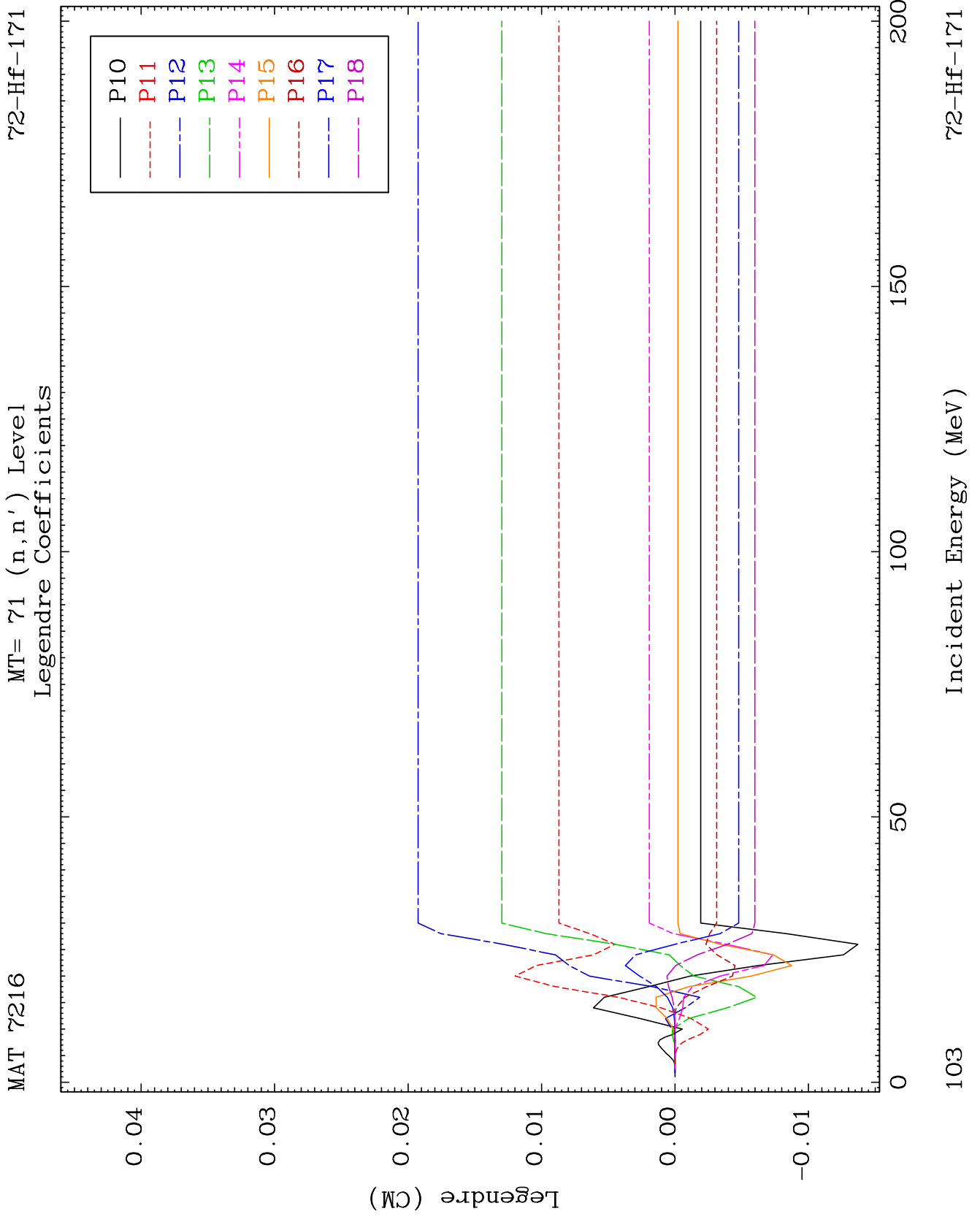


101

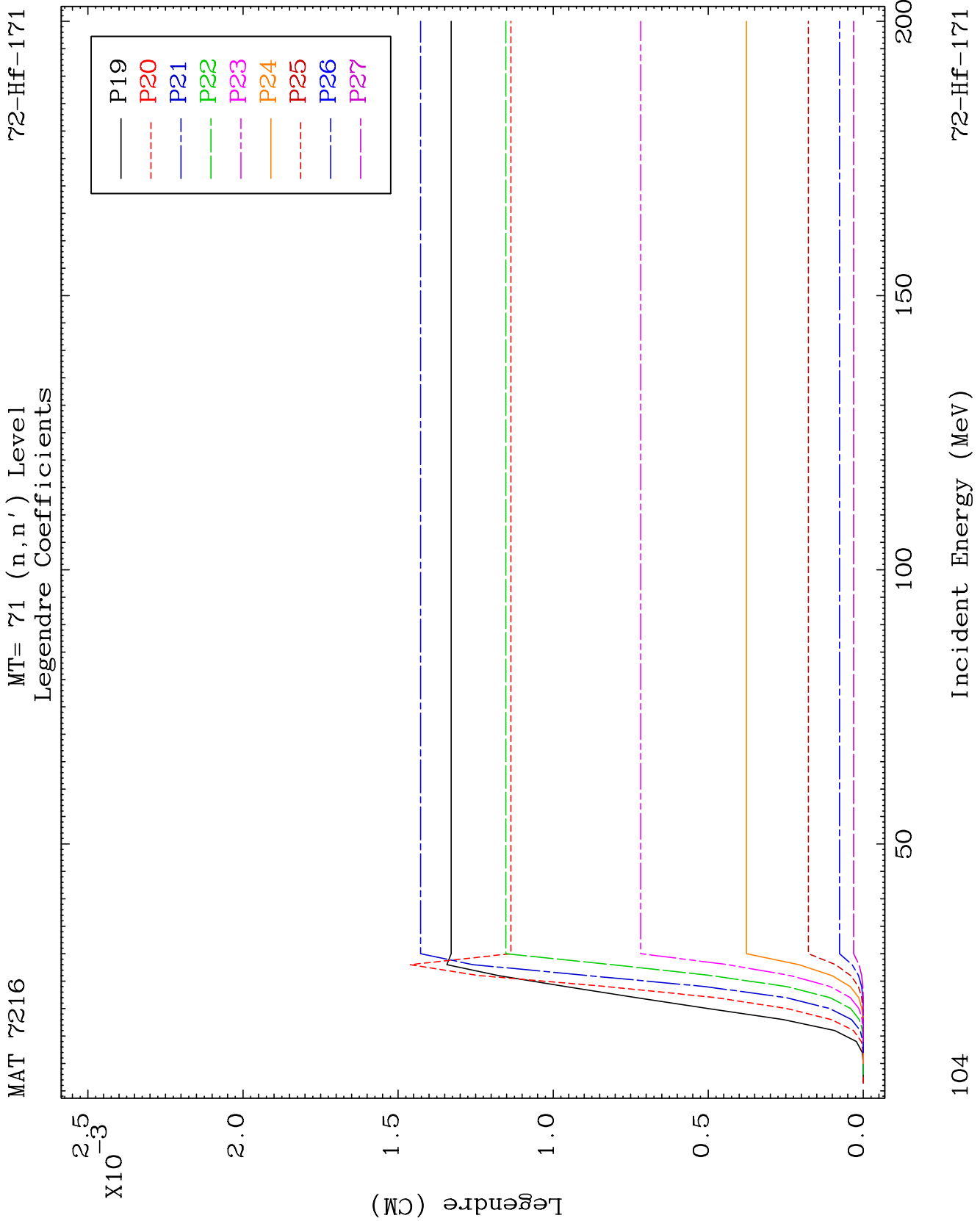
Incident Energy (MeV)

72-Hf-171





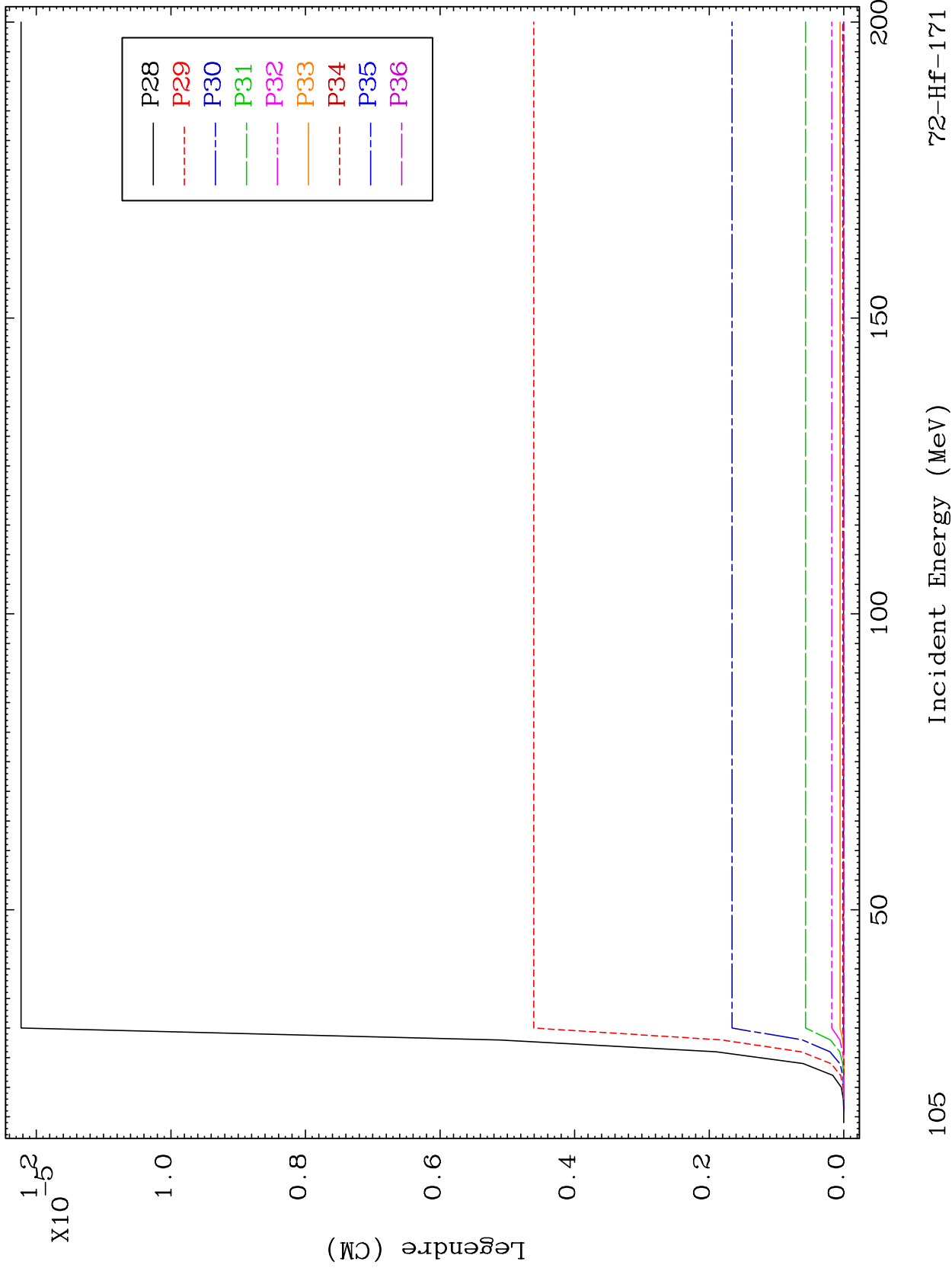




MAT 7216

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

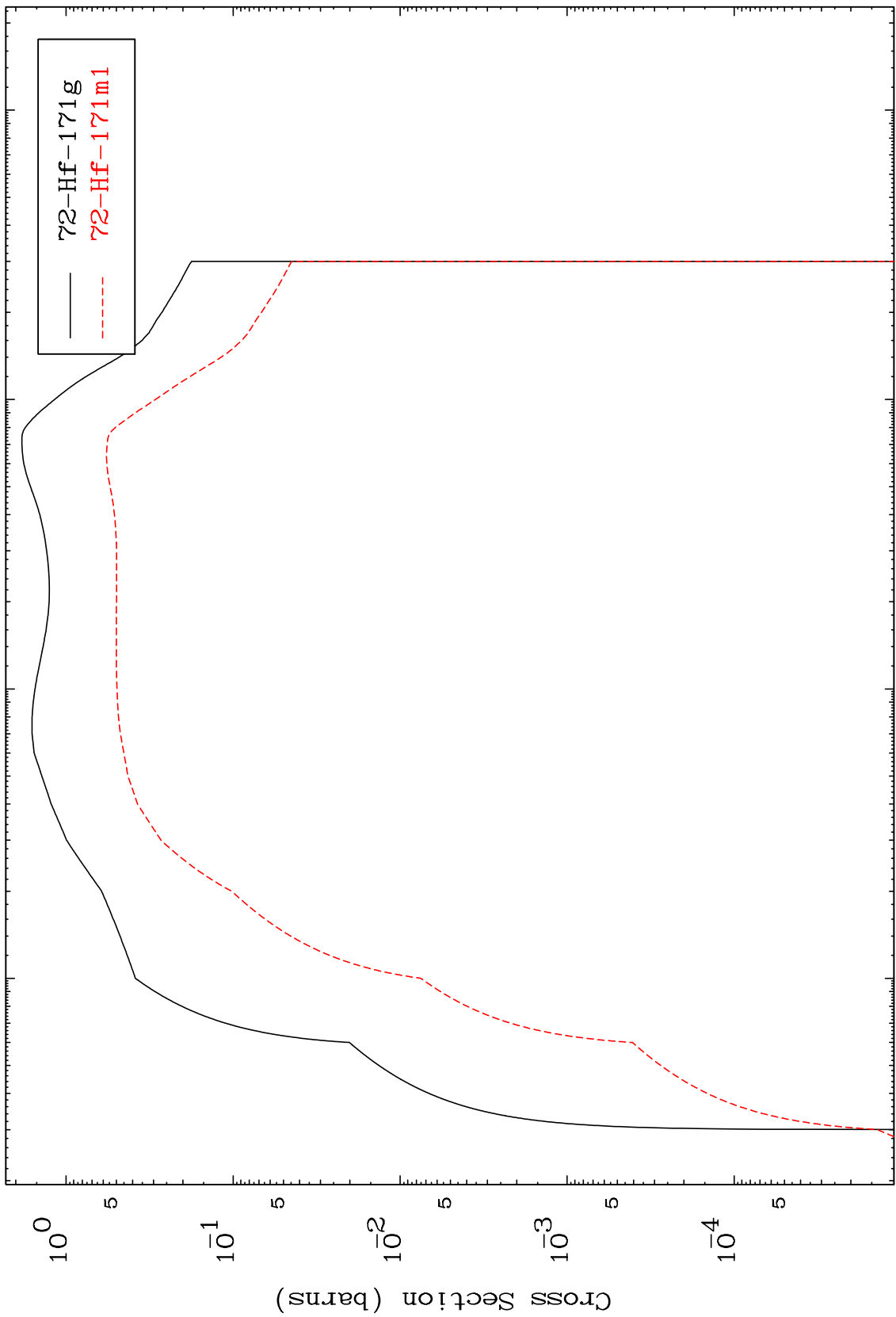
72-Hf-171



MAT 7216

72-Hf-171

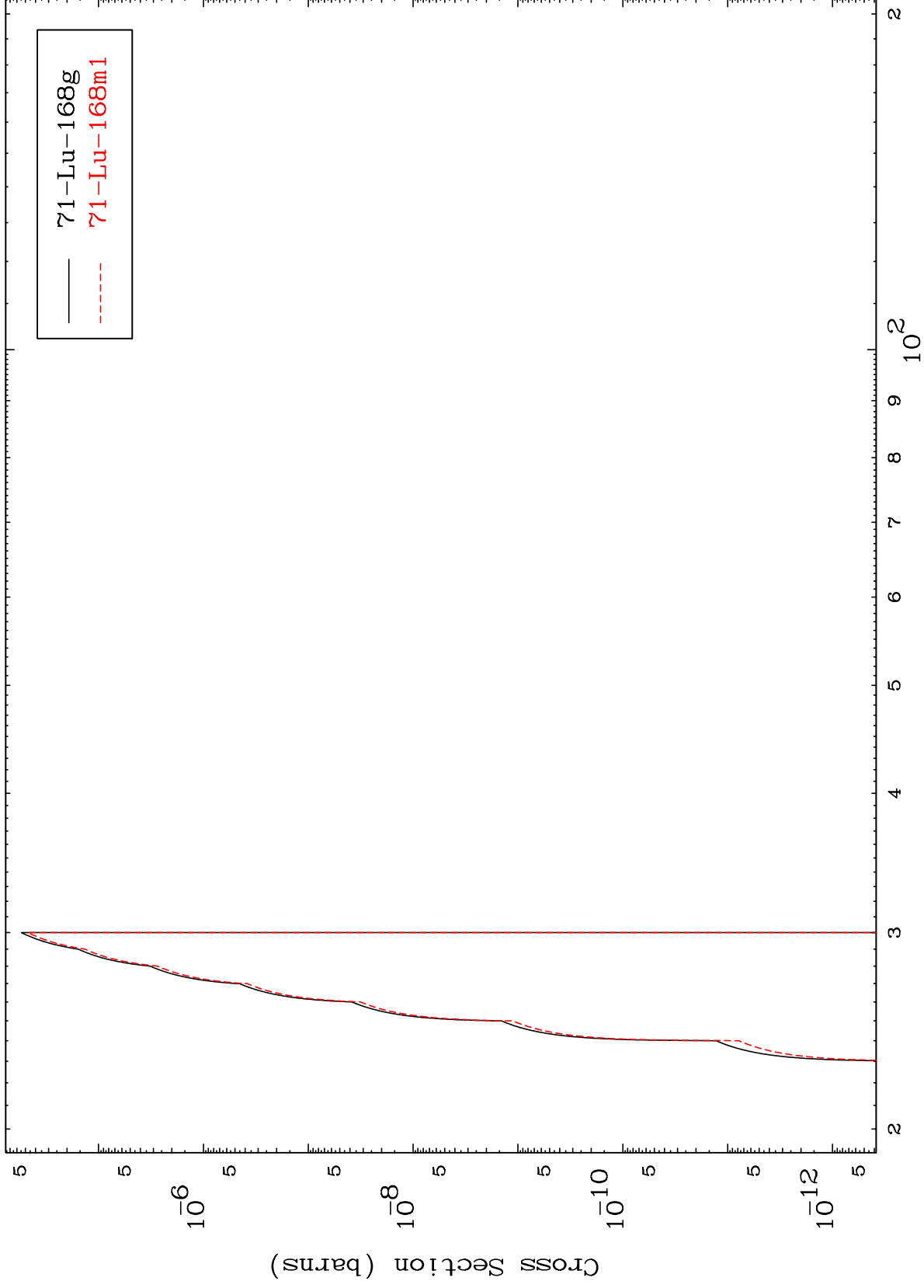
Inelastic  
Radionuclide Production Cross Section



106

72-Hf-171

Radionuclide Production Cross Section

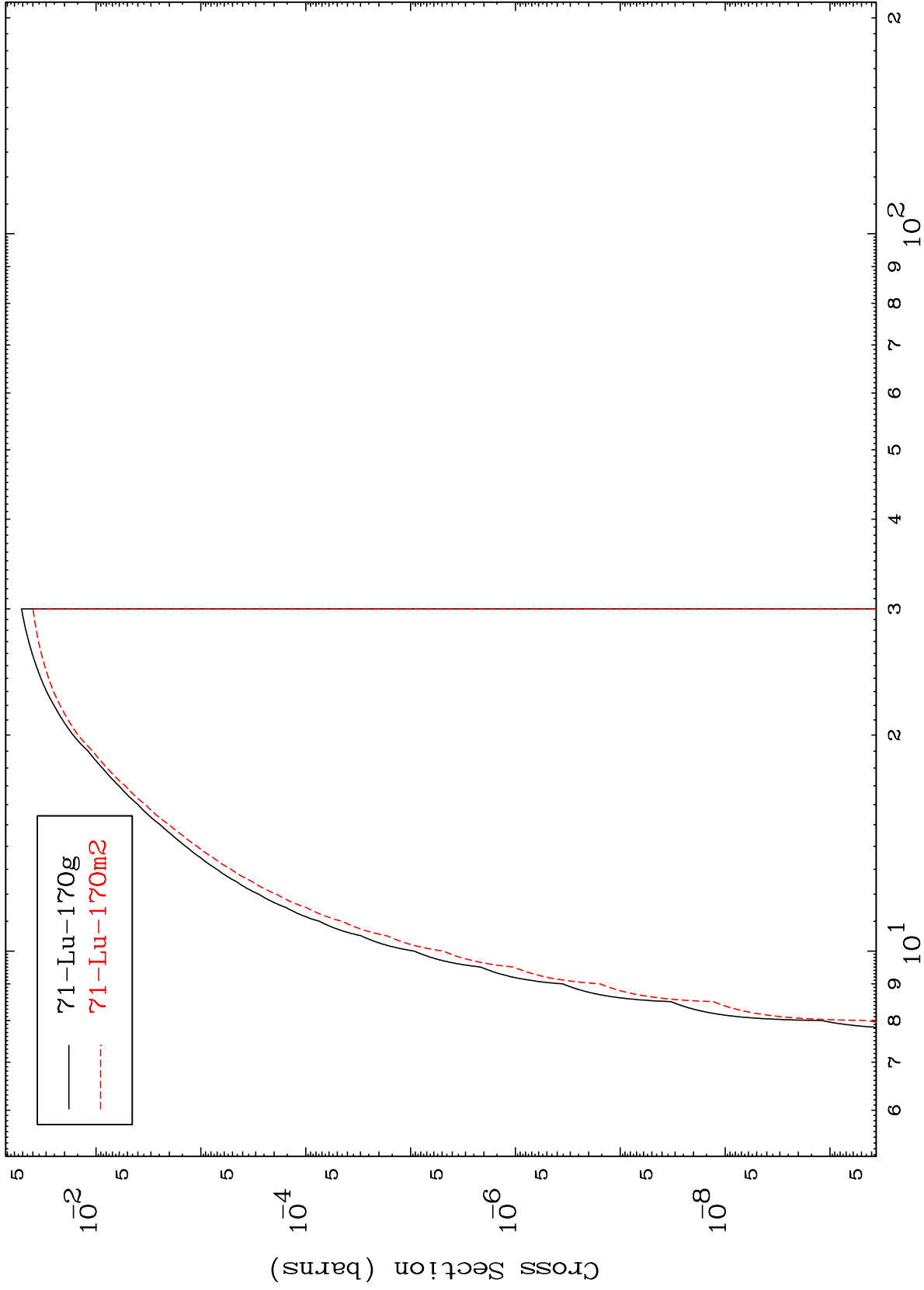


MAT 7216

(n,n') p

72-Hf-171

Radionuclide Production Cross Section



108

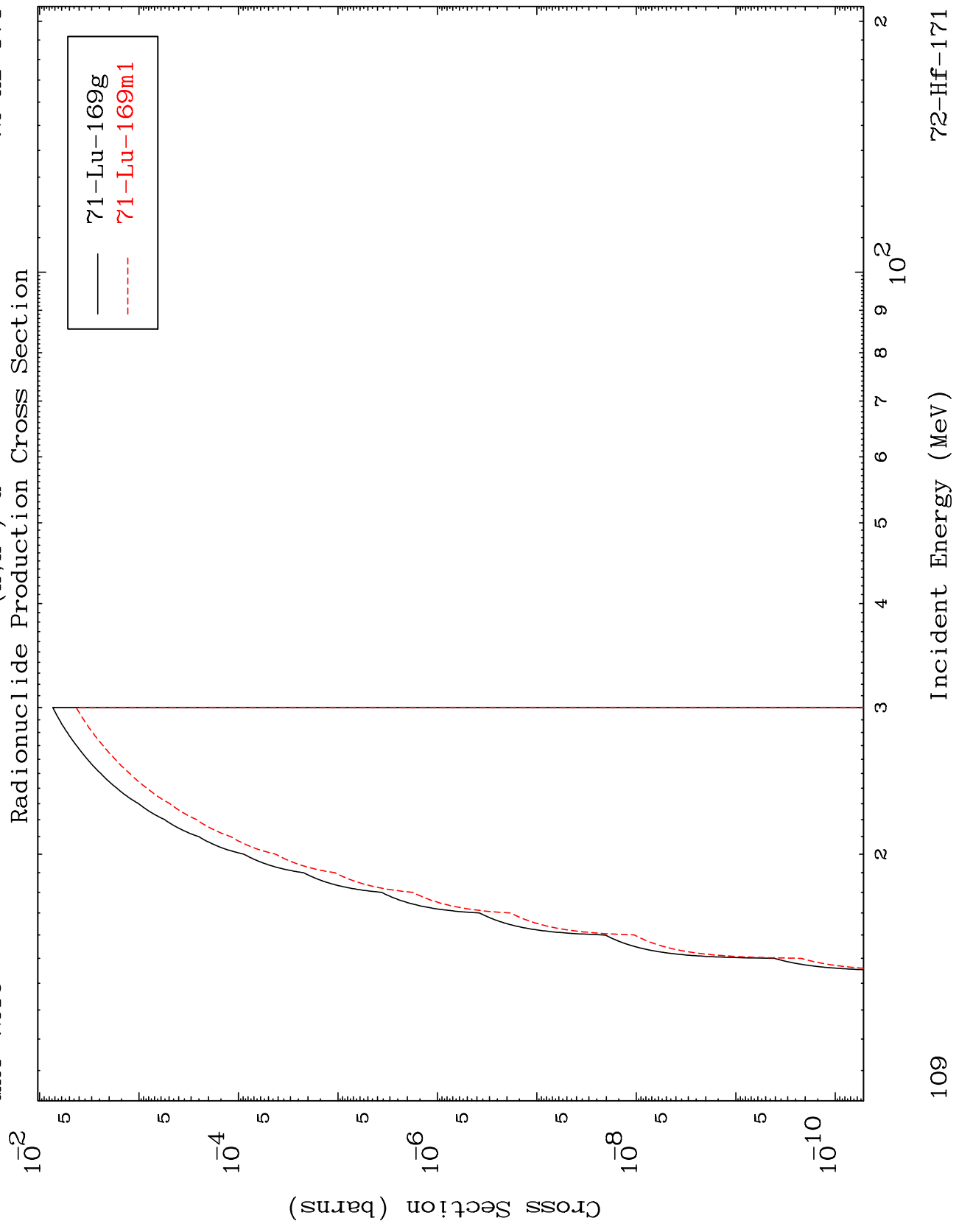
Incident Energy (MeV)

72-Hf-171

MAT 7216

(n,n') d

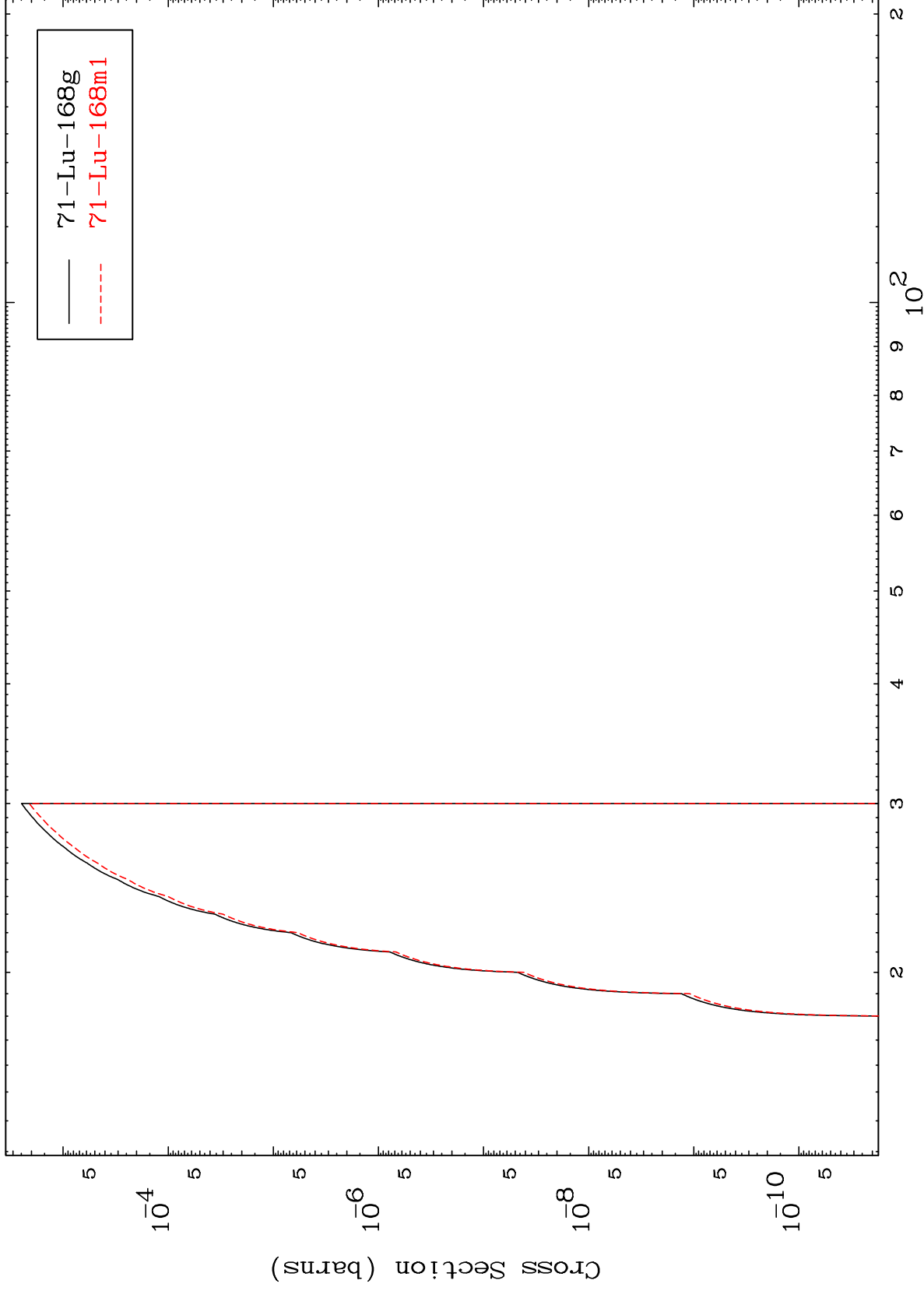
72-Hf-171



109

72-Hf-171

Radionuclide Production Cross Section

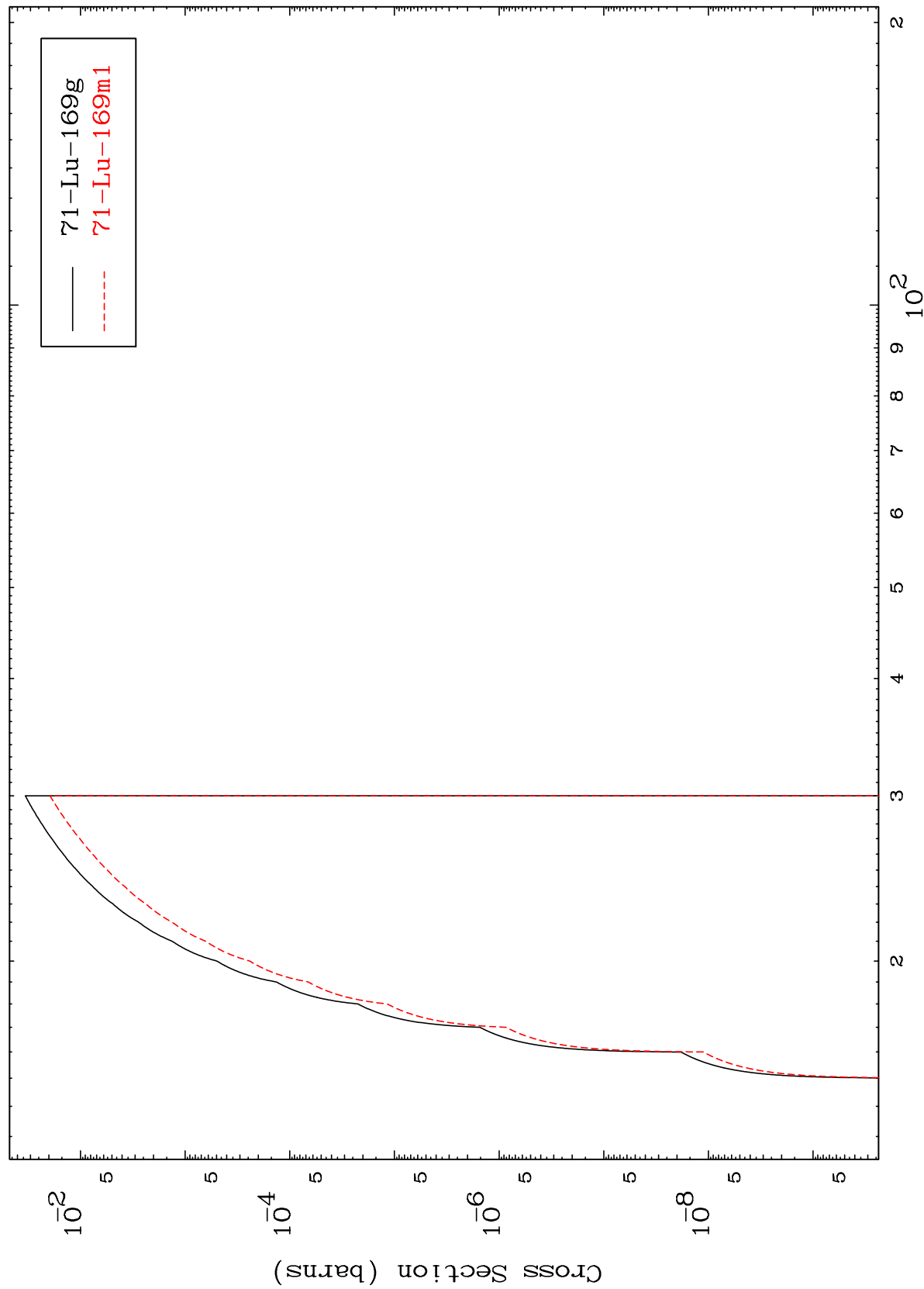


MAT 7216

(n,2n) p

72-Hf-171

Radionuclide Production Cross Section



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

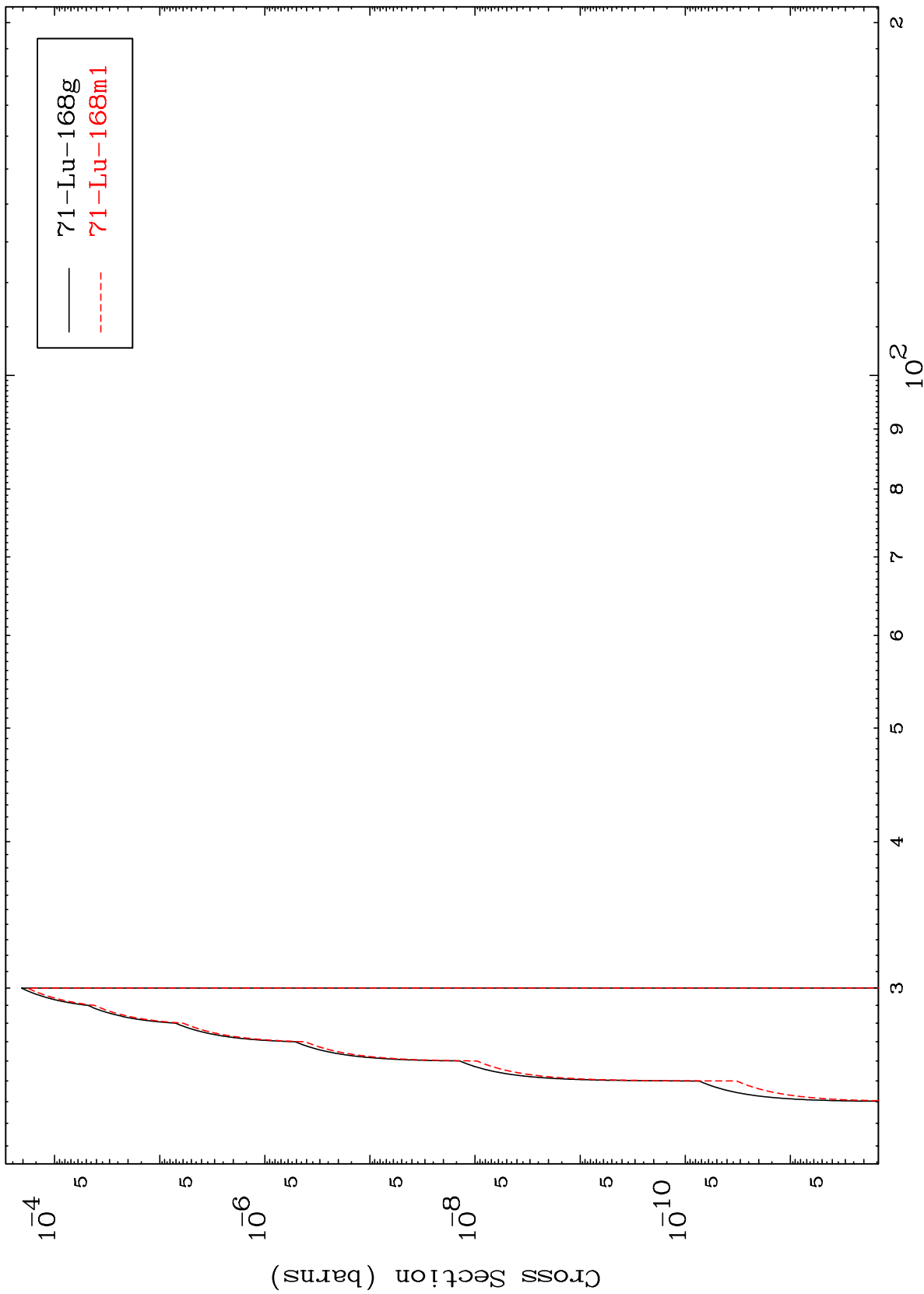
111

Incident Energy (MeV)

72-Hf-171



Radionuclide Production Cross Section

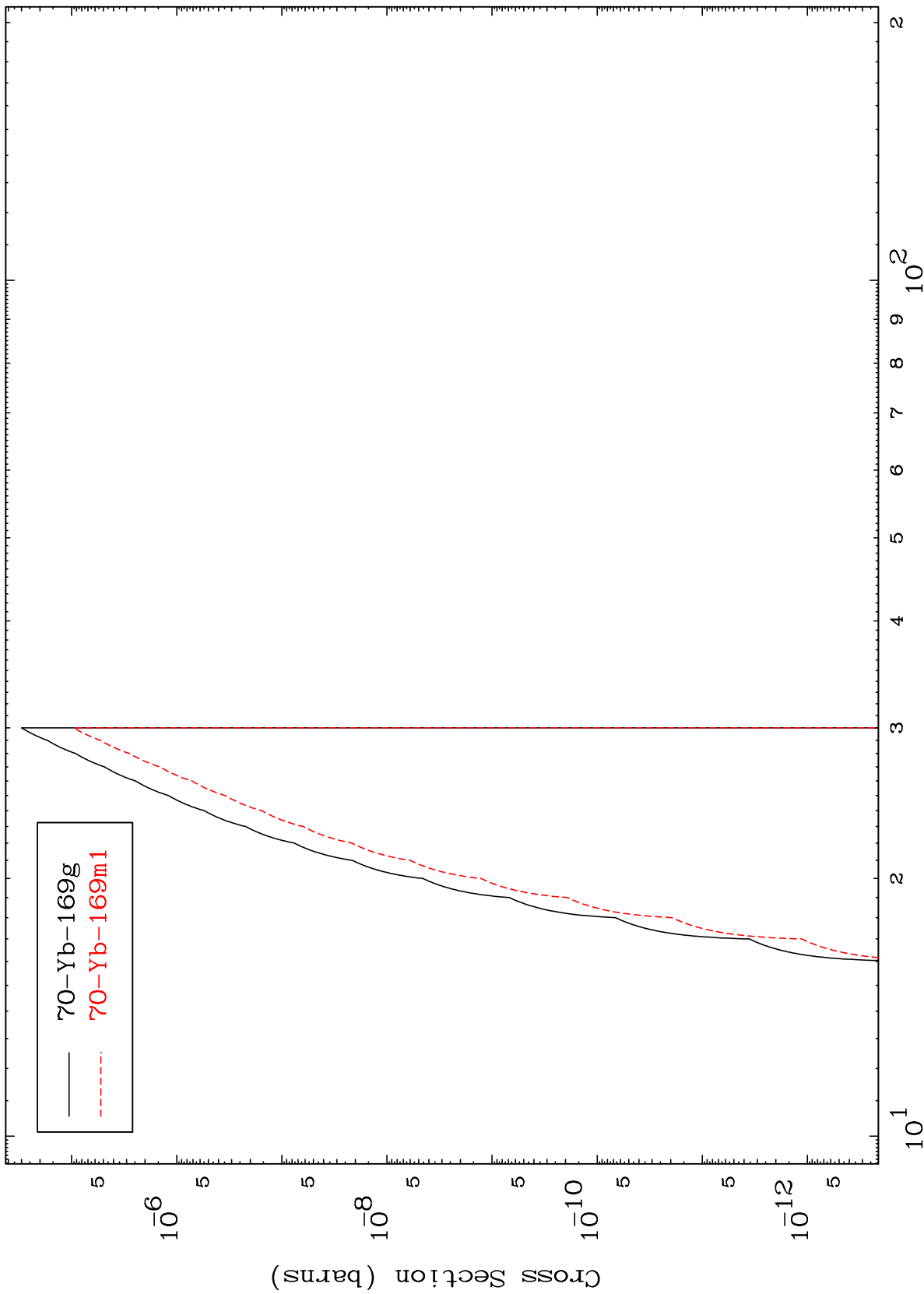


MAT 7216

(n,2n) p

72-Hf-171

Radionuclide Production Cross Section



Incident Energy (MeV)

72-Hf-171

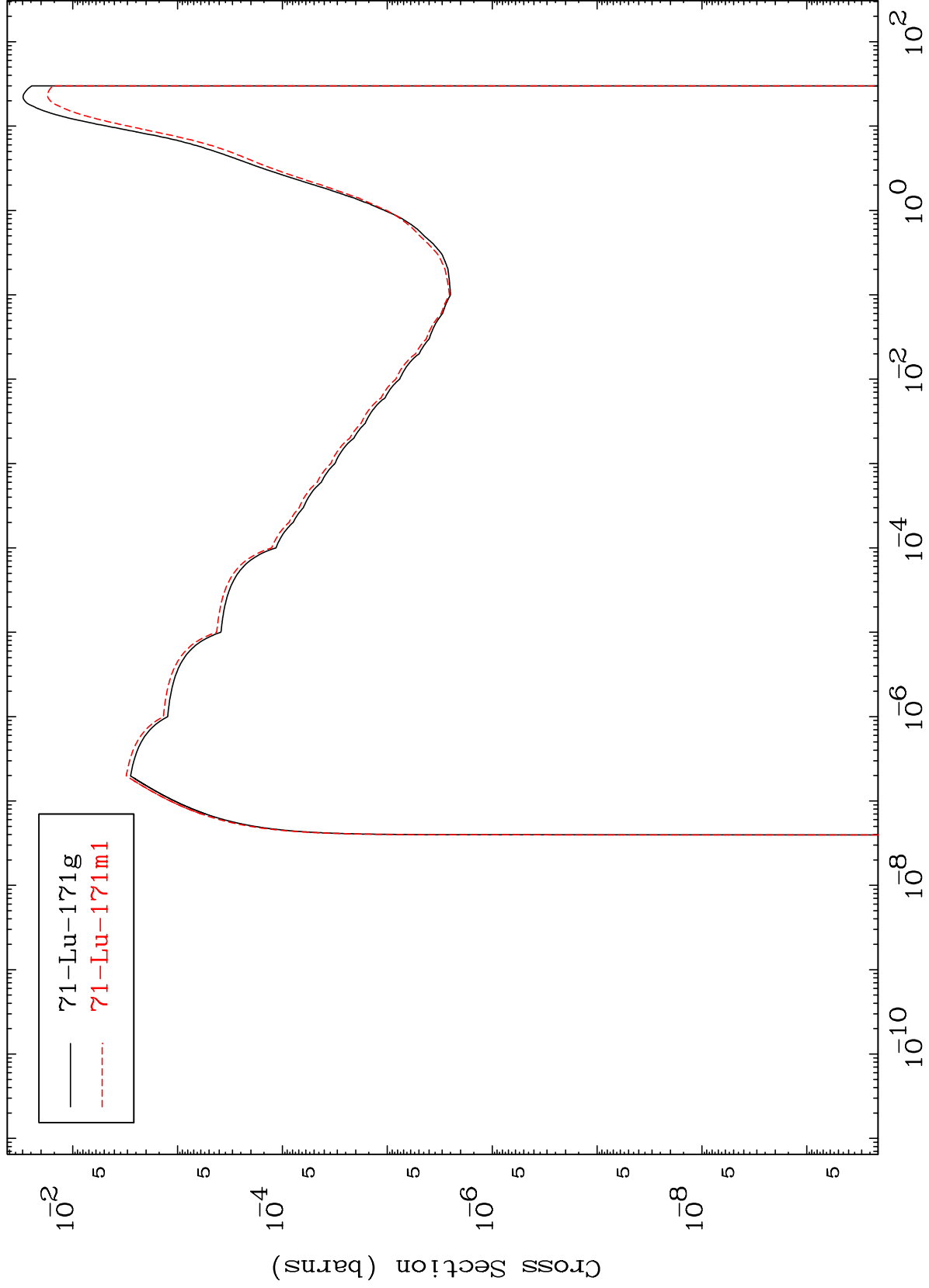
113

MAT 7216

(n,p)

72-Hf-171

Radionuclide Production Cross Section



71-Lu-171g  
71-Lu-171m1

114

Incident Energy (MeV)

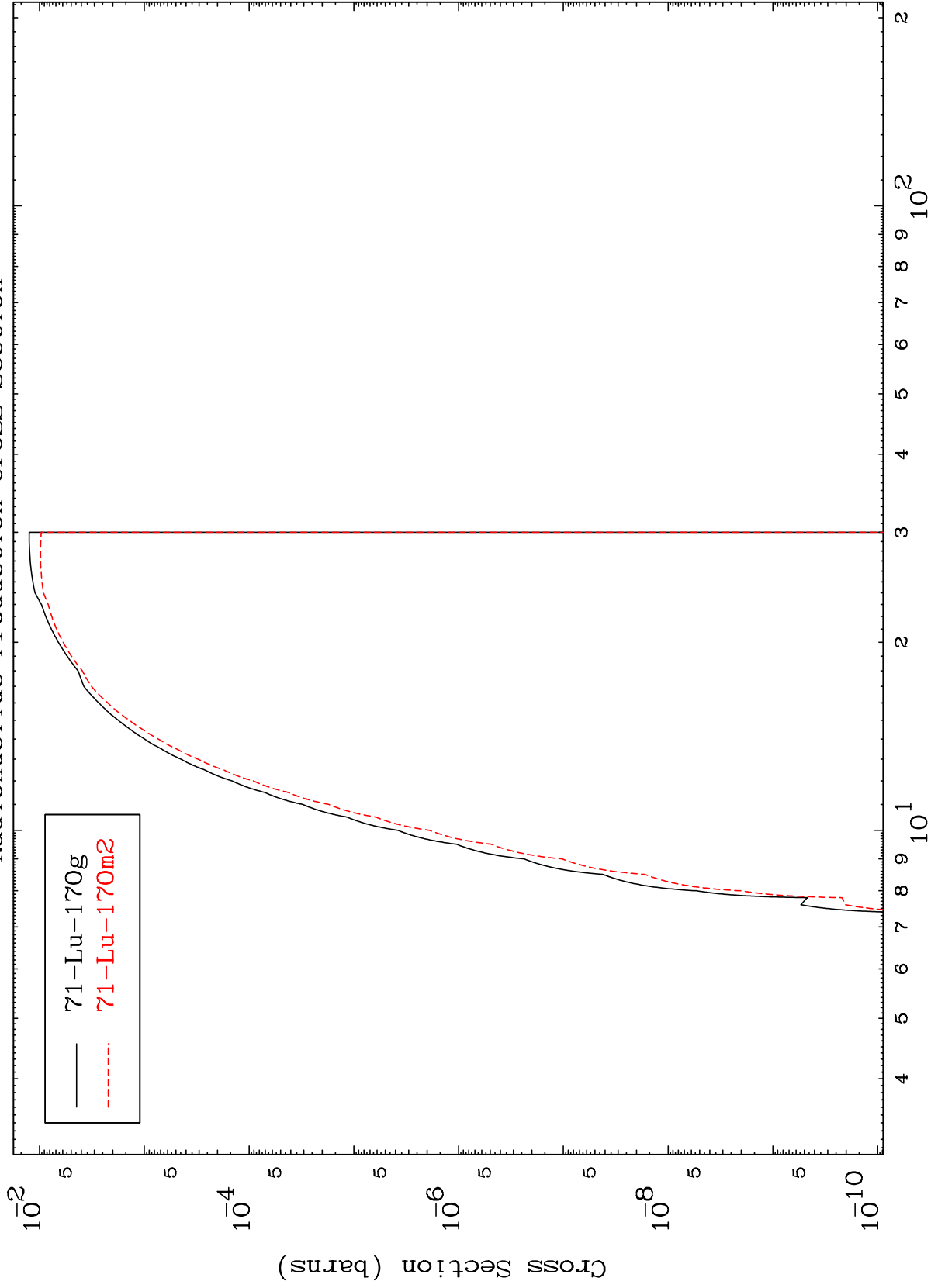
72-Hf-171

MAT 7216

(n, d)

72-Hf-171

Radionuclide Production Cross Section

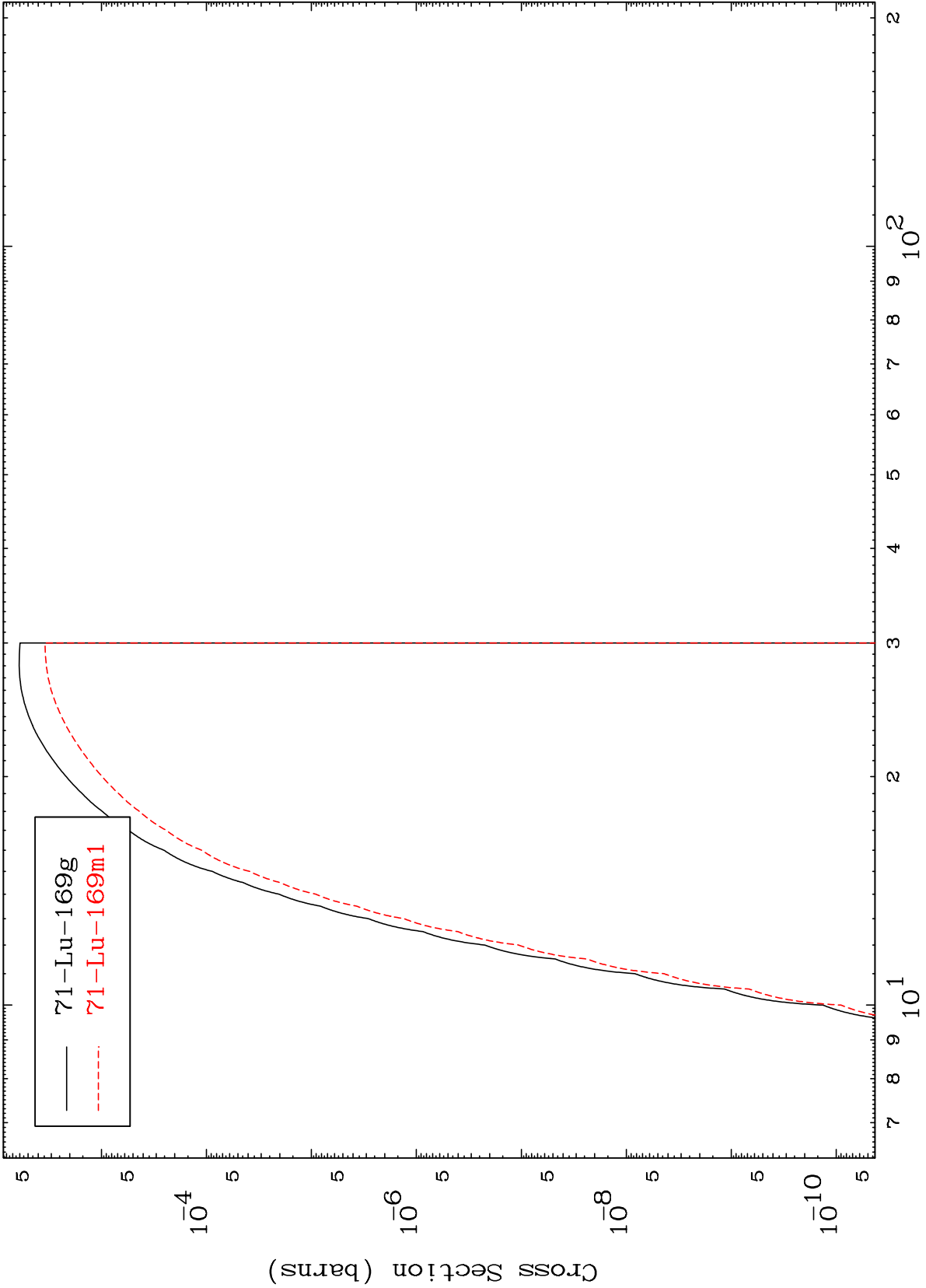


115

Incident Energy (MeV)

72-Hf-171

(n, t)  
Radionuclide Production Cross Section

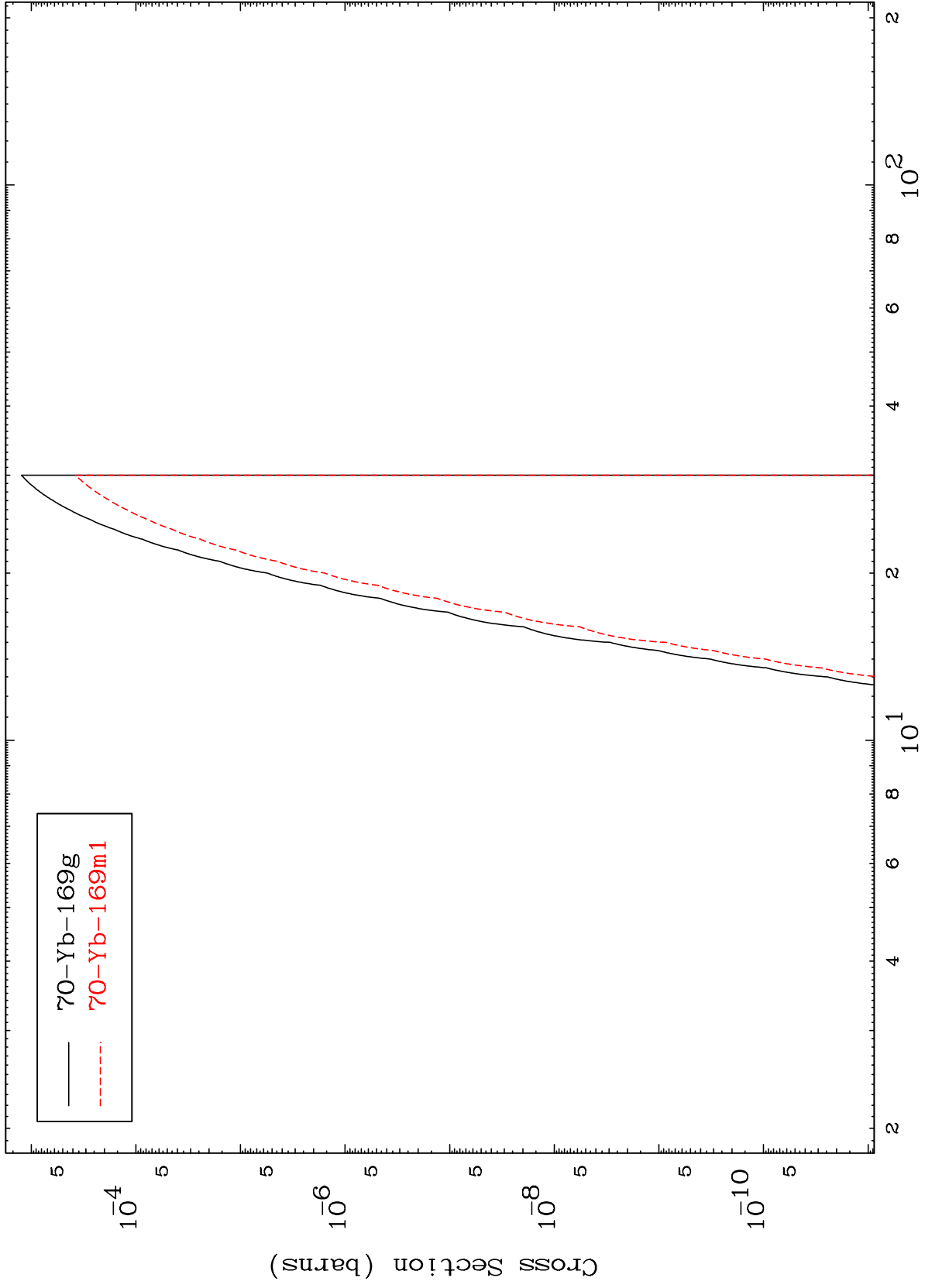


MAT 7216

(n,He-3)

72-Hf-171

Radionuclide Production Cross Section



117

Incident Energy (MeV)

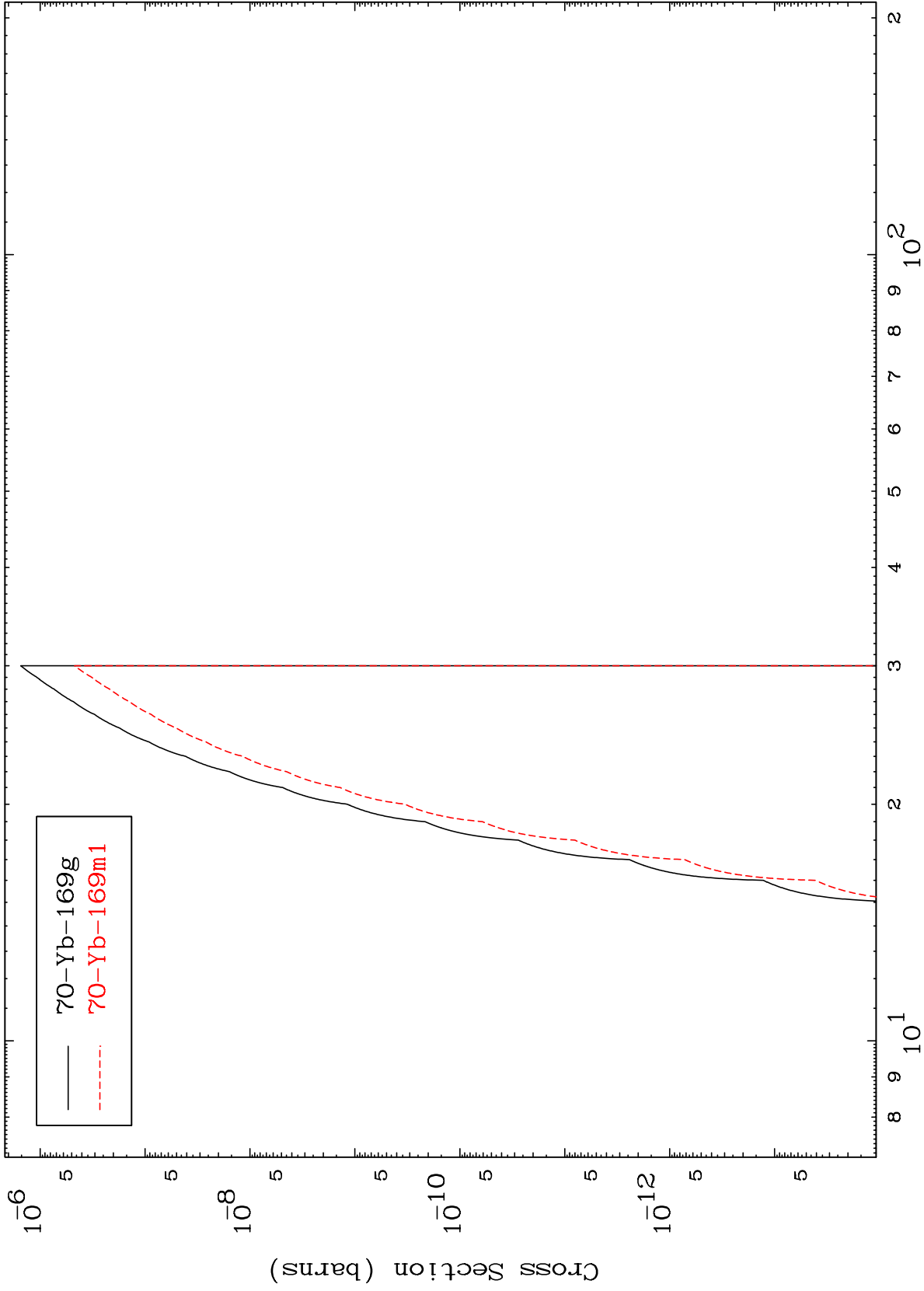
72-Hf-171

MAT 7216

(n,p) d

72-Hf-171

Radionuclide Production Cross Section



118

Incident Energy (MeV)

72-Hf-171