

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

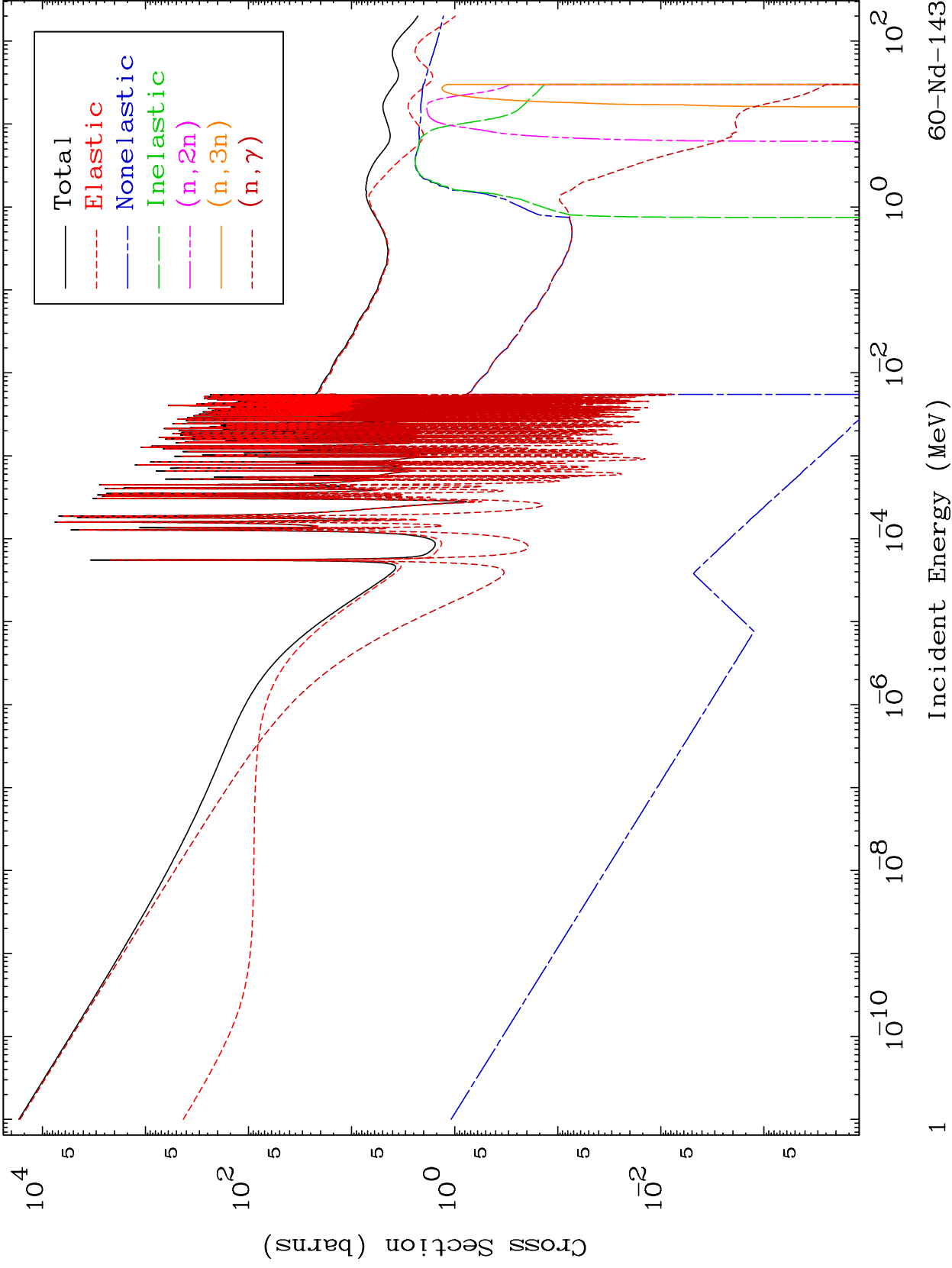
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6028

Neutron Major
293 Kelvin Cross Sections

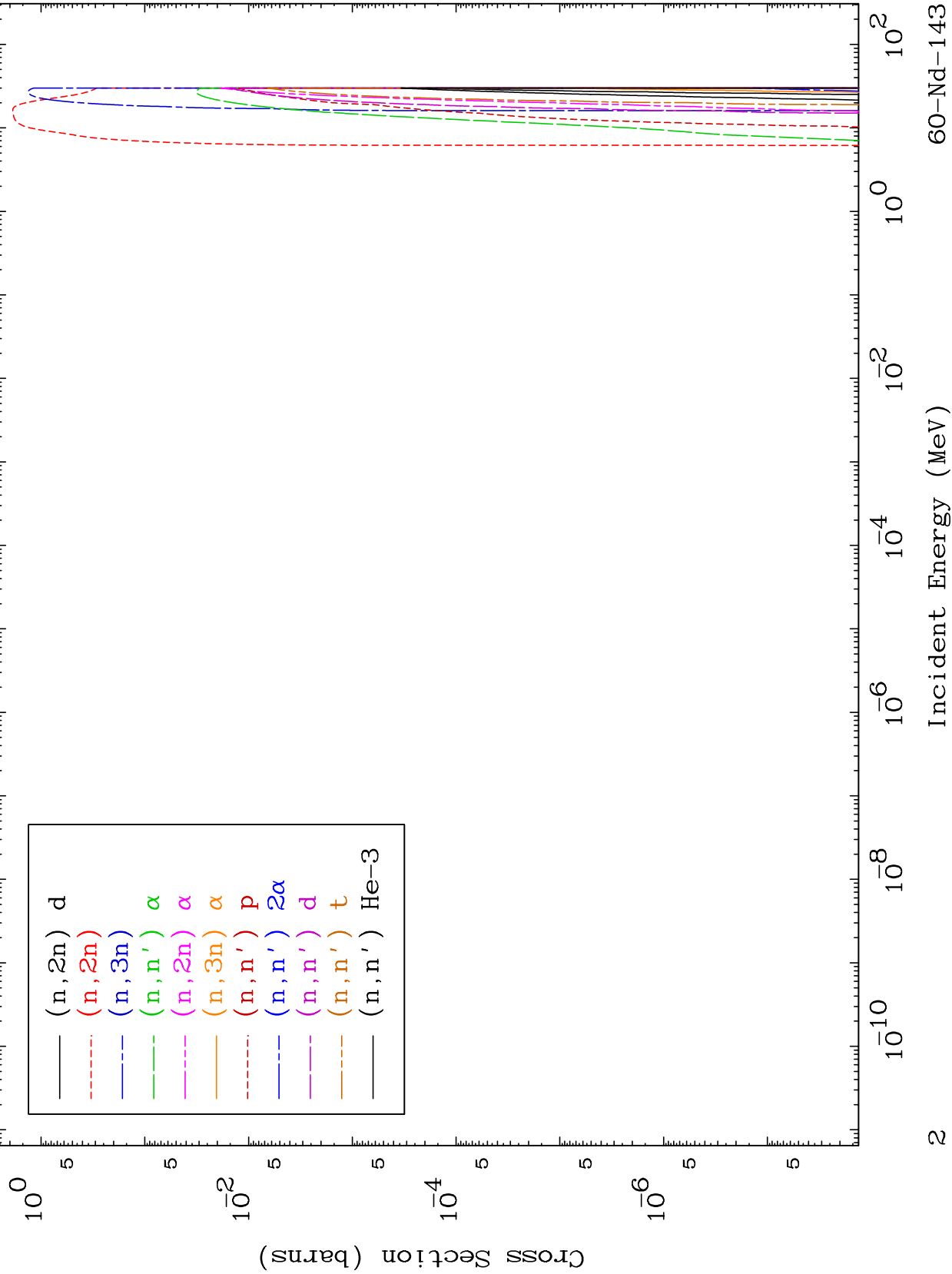
60-Nd-143



MAT 6028

Neutron Absorption
293 Kelvin Cross Sections

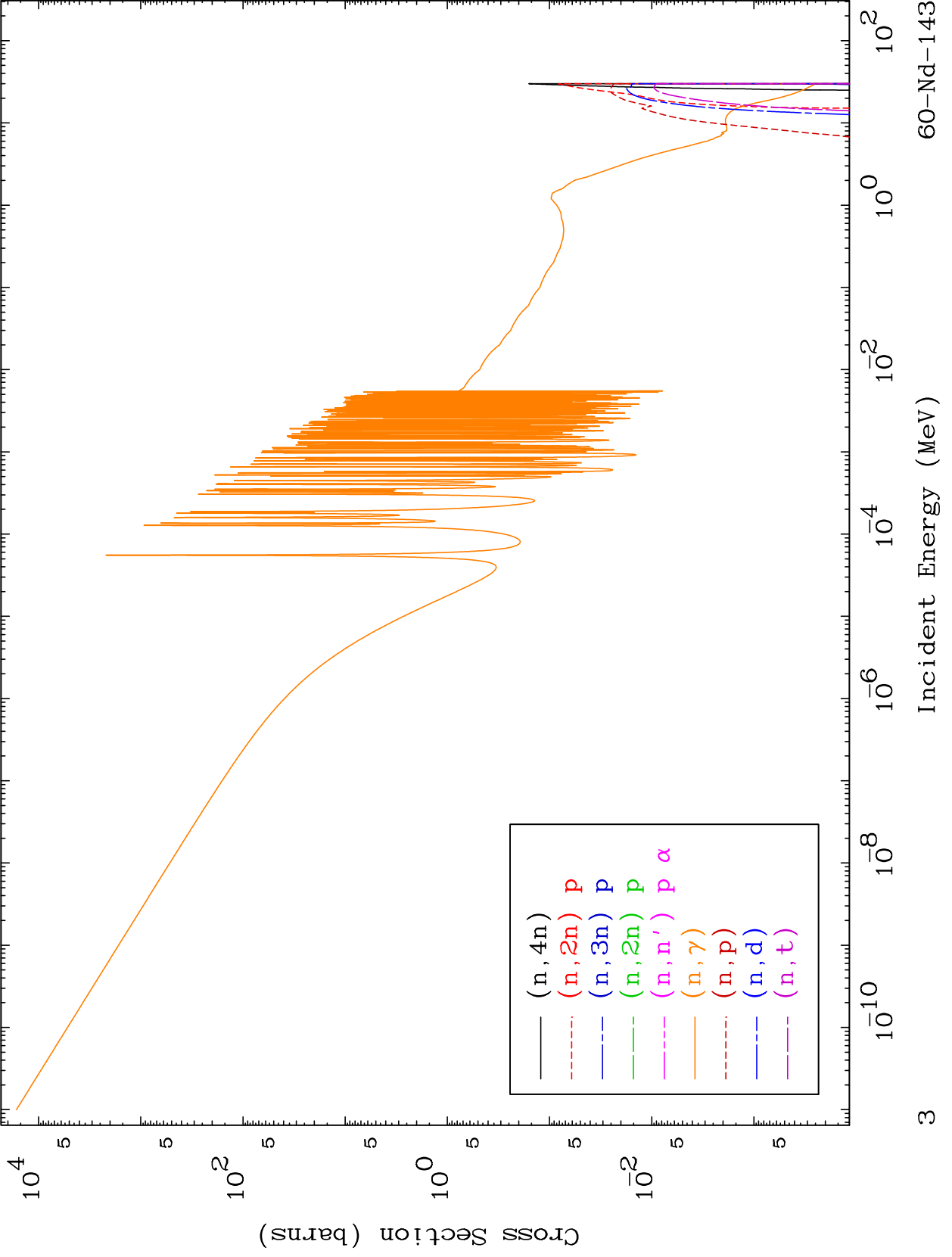
60-Nd-143

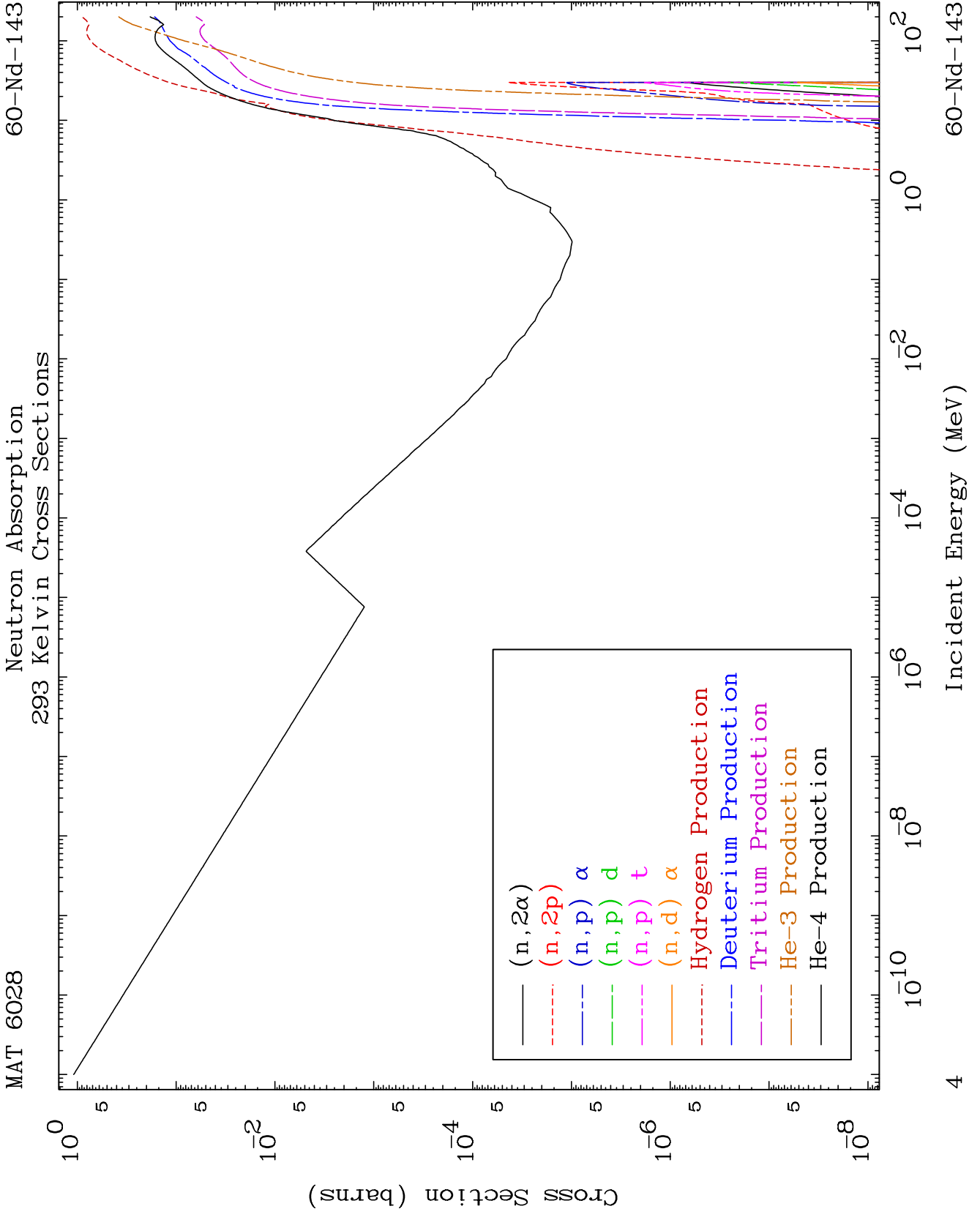


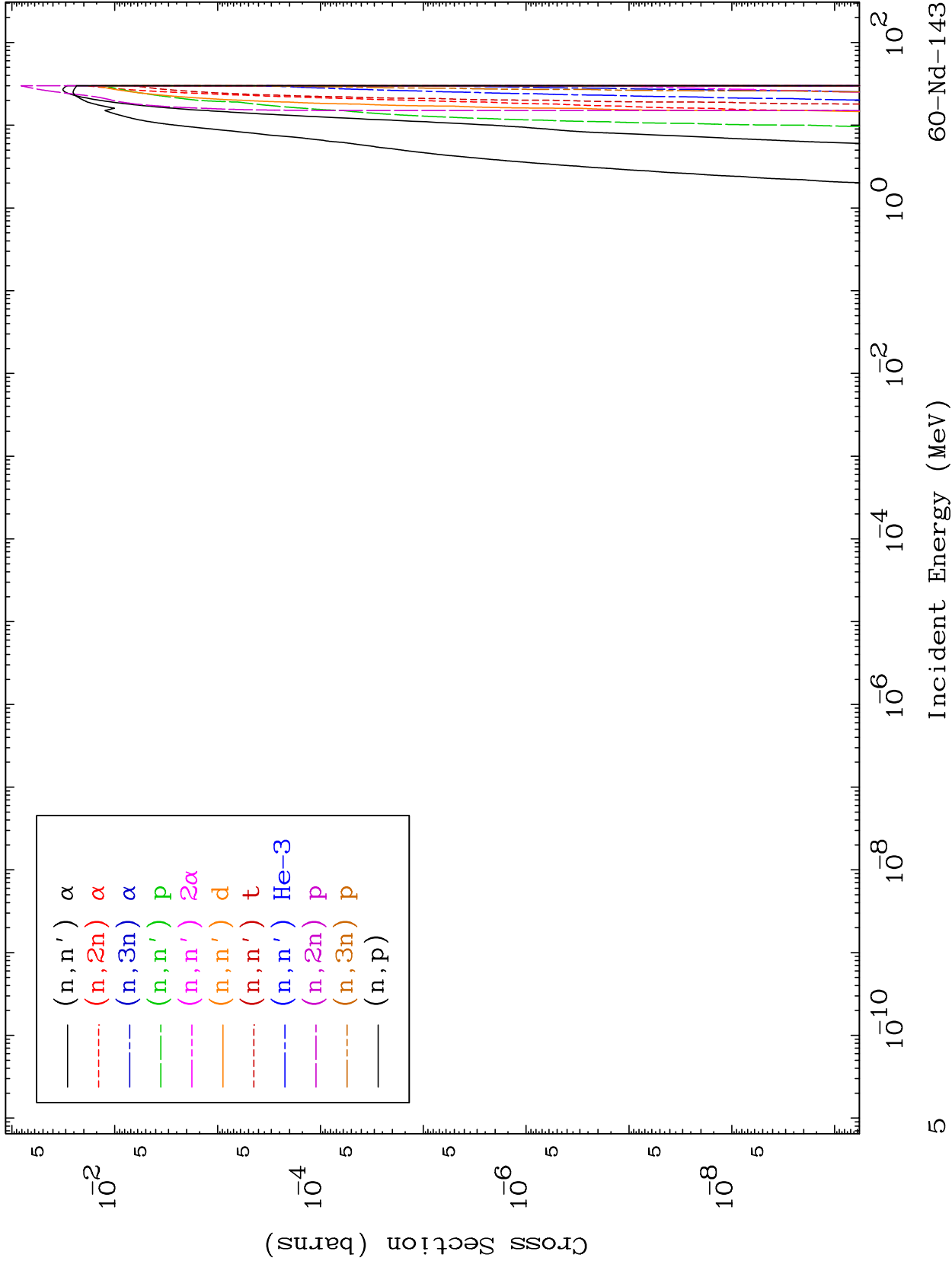
MAT 6028

Neutron Absorption
293 Kelvin Cross Sections

60-Nd-143



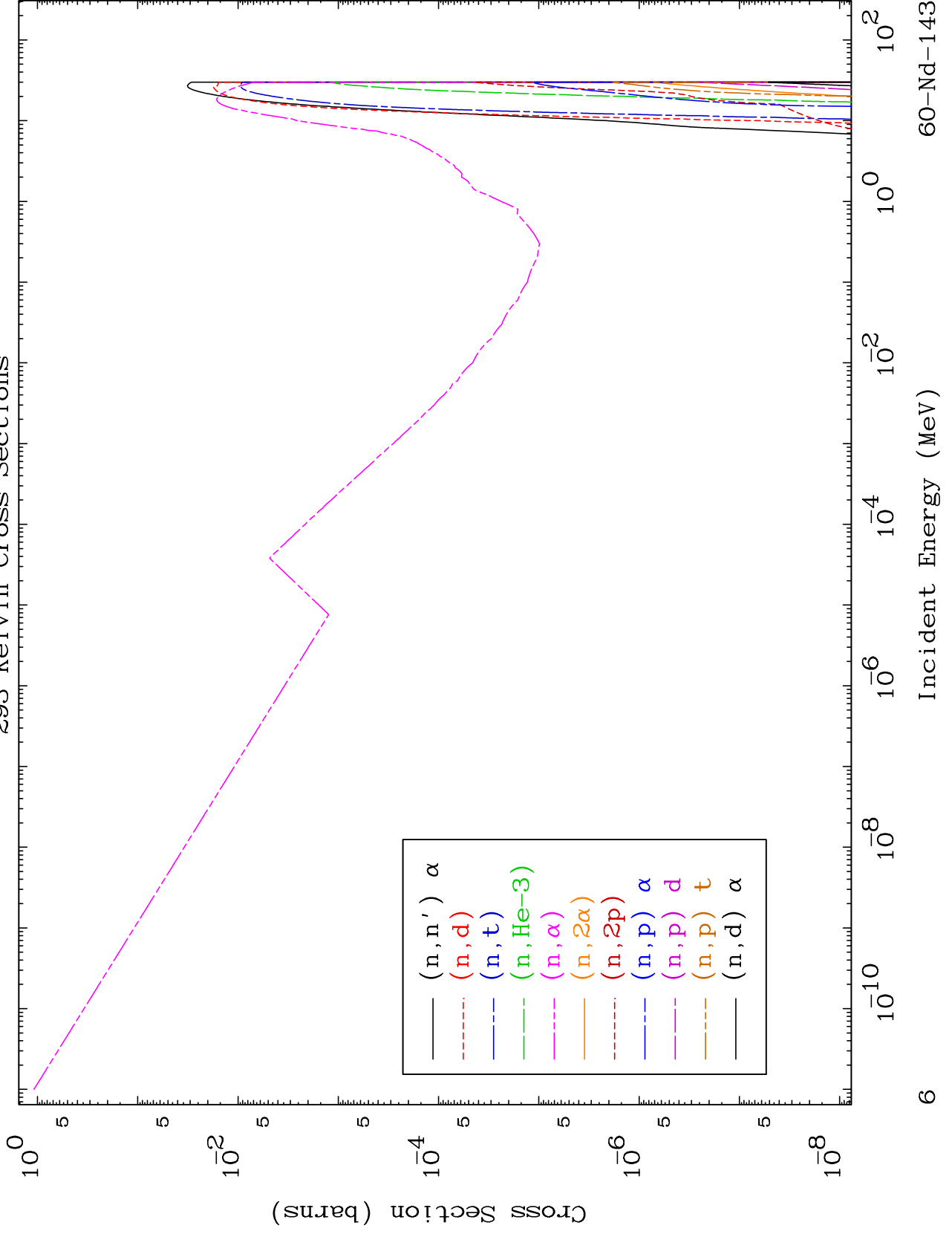




MAT 6028

Charged Particle
293 Kelvin Cross Sections

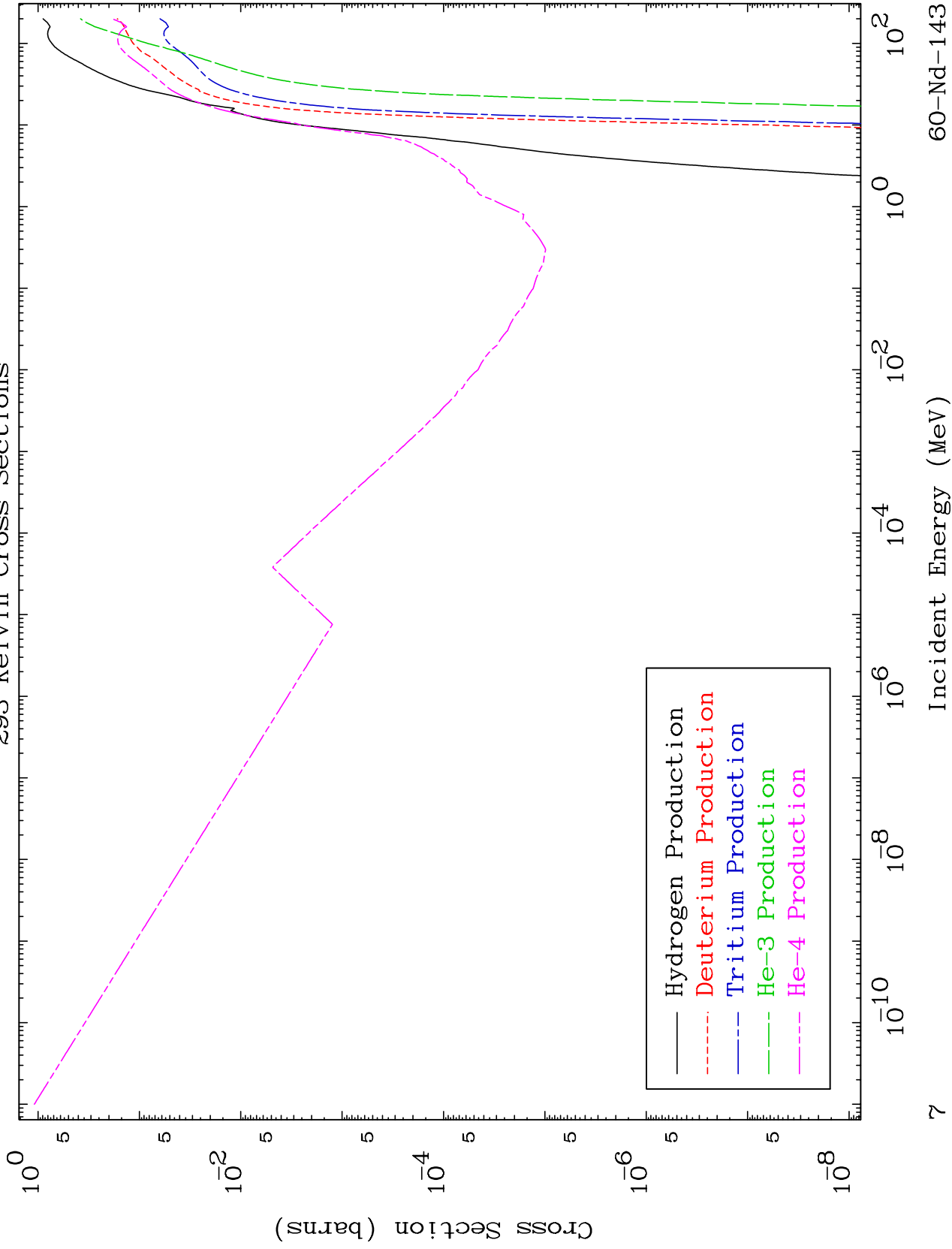
60-Nd-143



MAT 6028

Particle Production
293 Kelvin Cross Sections

60-Nd-143

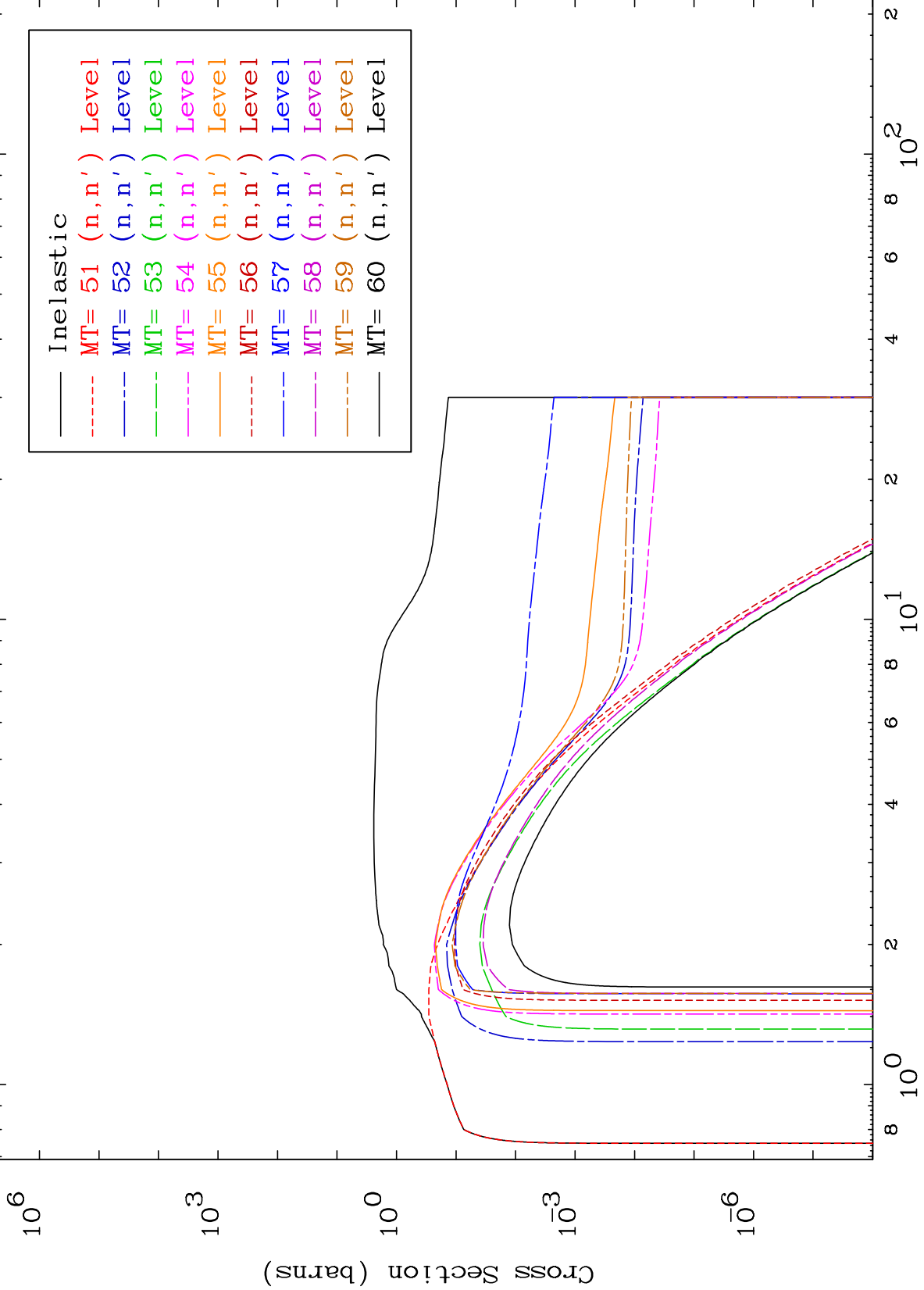


MAT 6028

(n,n') Levels

60-Nd-143

293 Kelvin Cross Sections



8

Incident Energy (MeV)

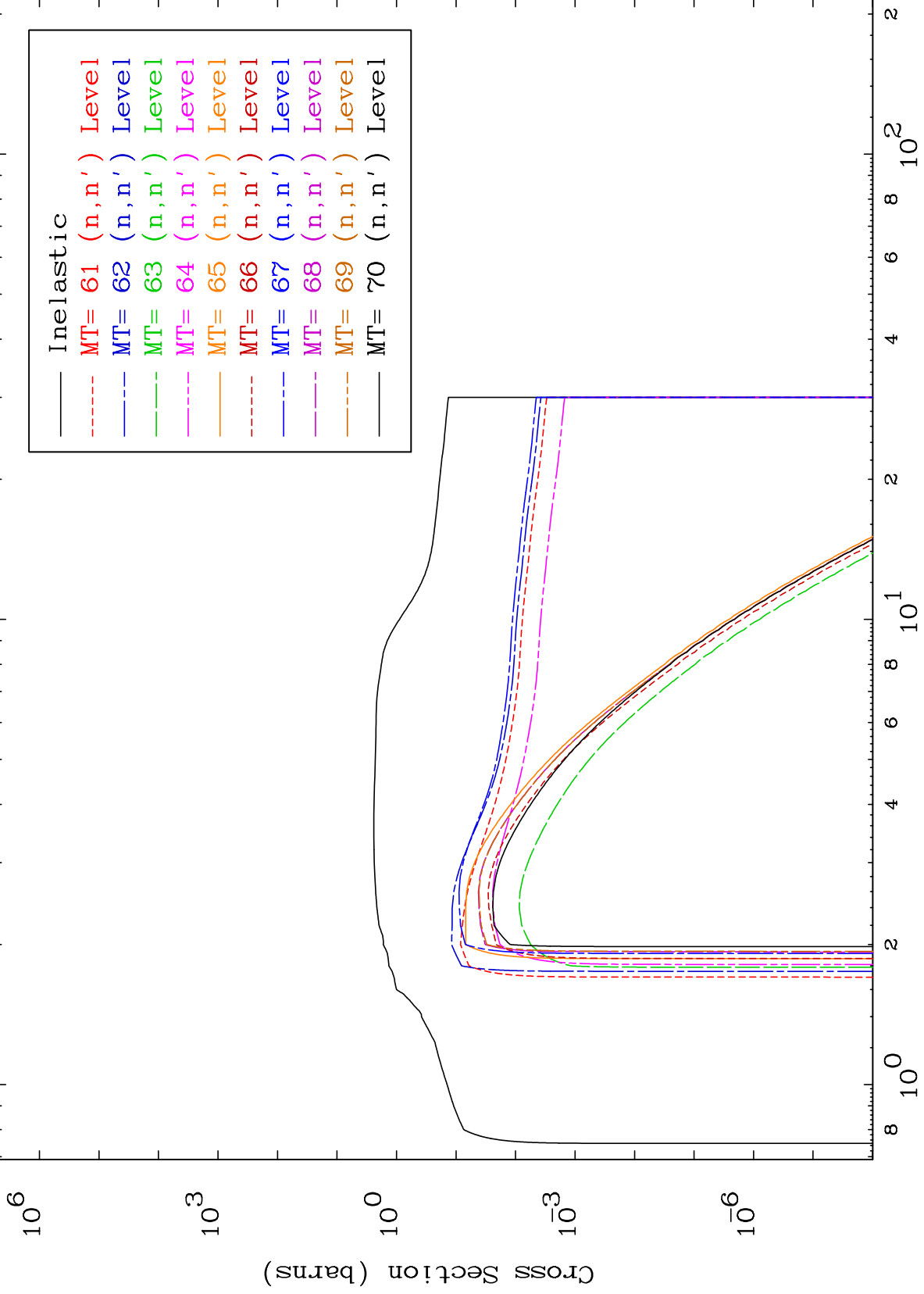
60-Nd-143

MAT 6028

(n,n') Levels

60-Nd-143

293 Kelvin Cross Sections



9

Incident Energy (MeV)

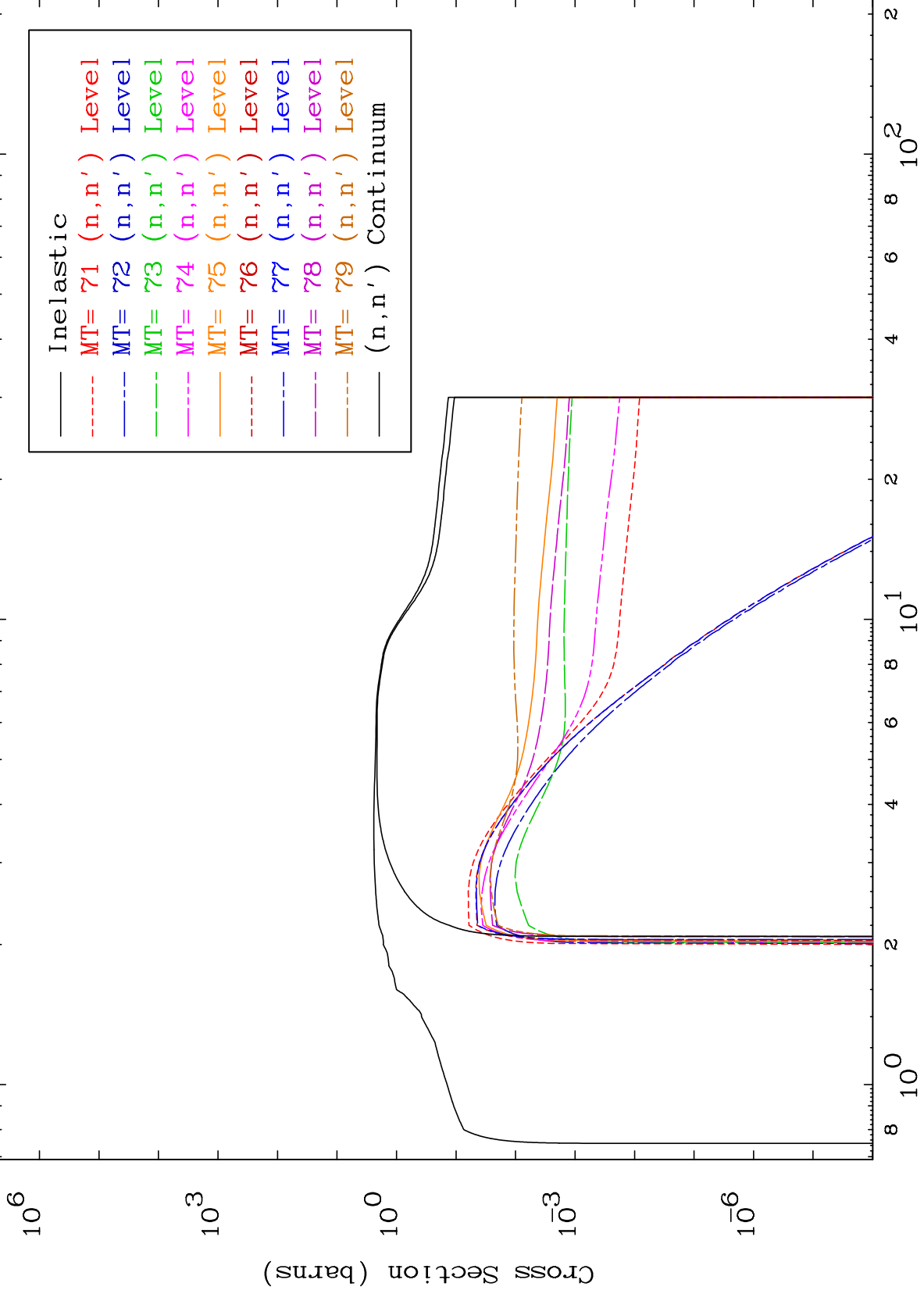
60-Nd-143

MAT 6028

(n,n') Levels

60-Nd-143

293 Kelvin Cross Sections



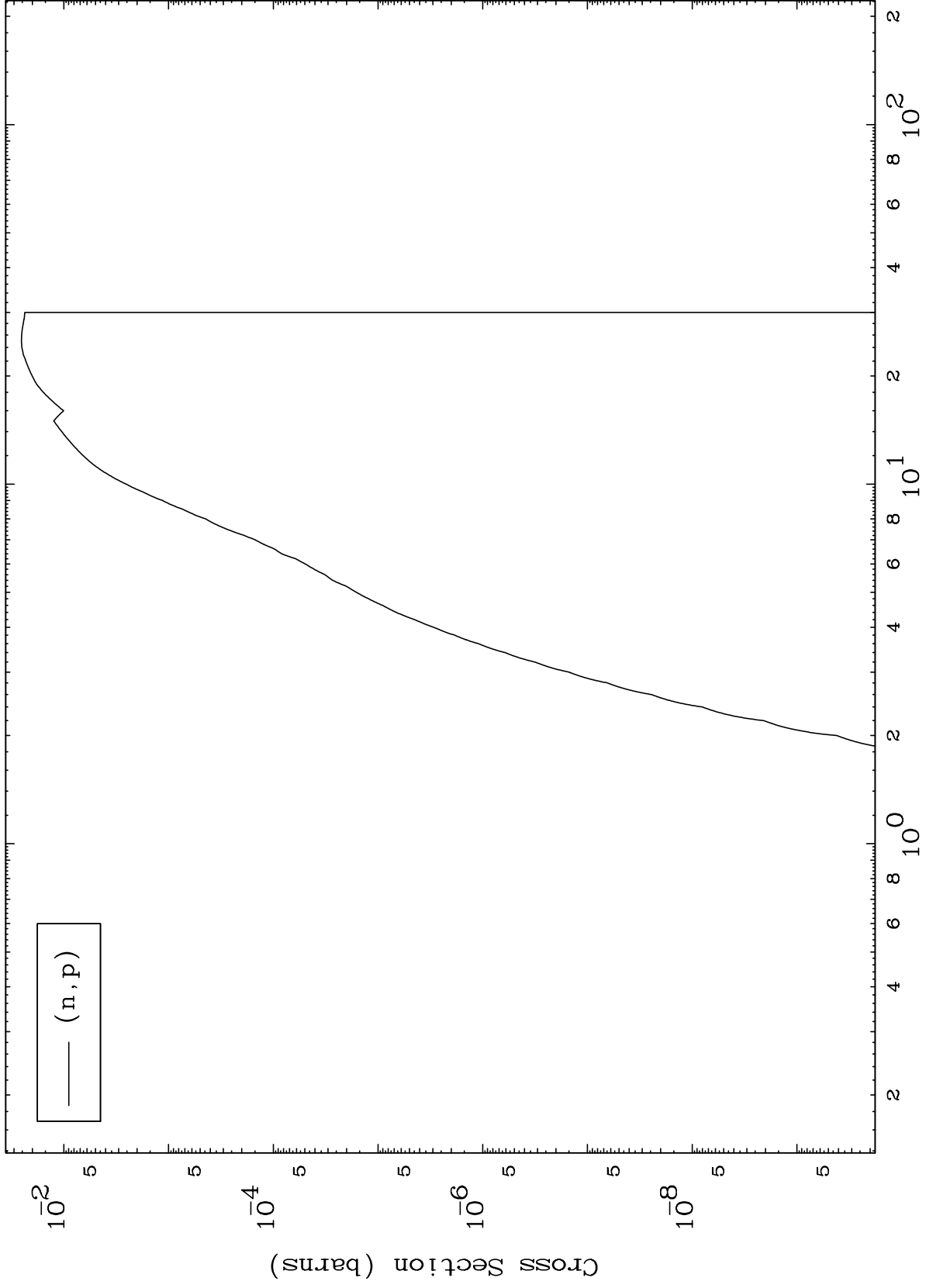
Incident Energy (MeV)

60-Nd-143

MAT 6028

(n,p) Levels
293 Kelvin Cross Sections

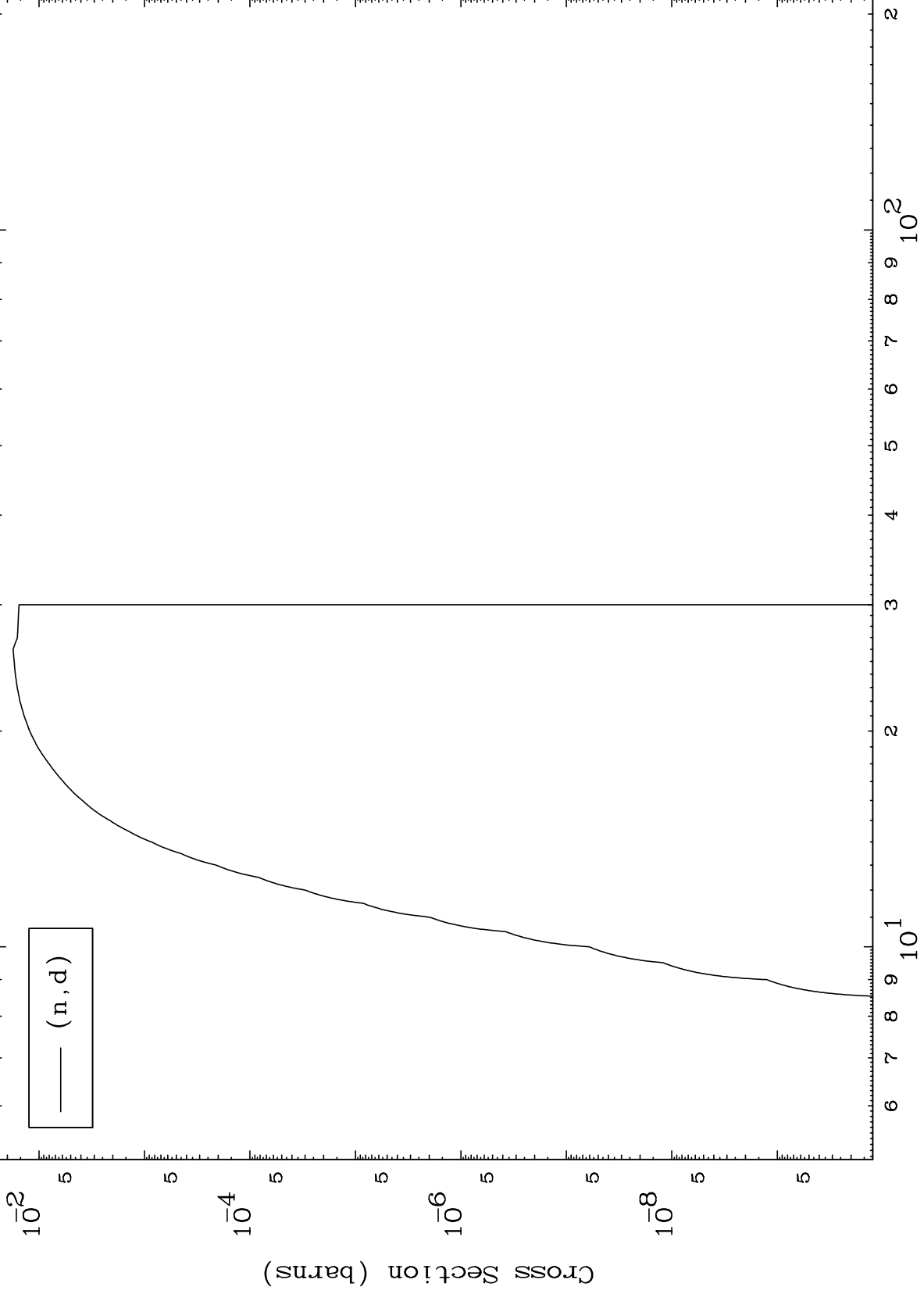
60-Nd-143



MAT 6028

(n,d) Levels
293 Kelvin Cross Sections

60-Nd-143



12

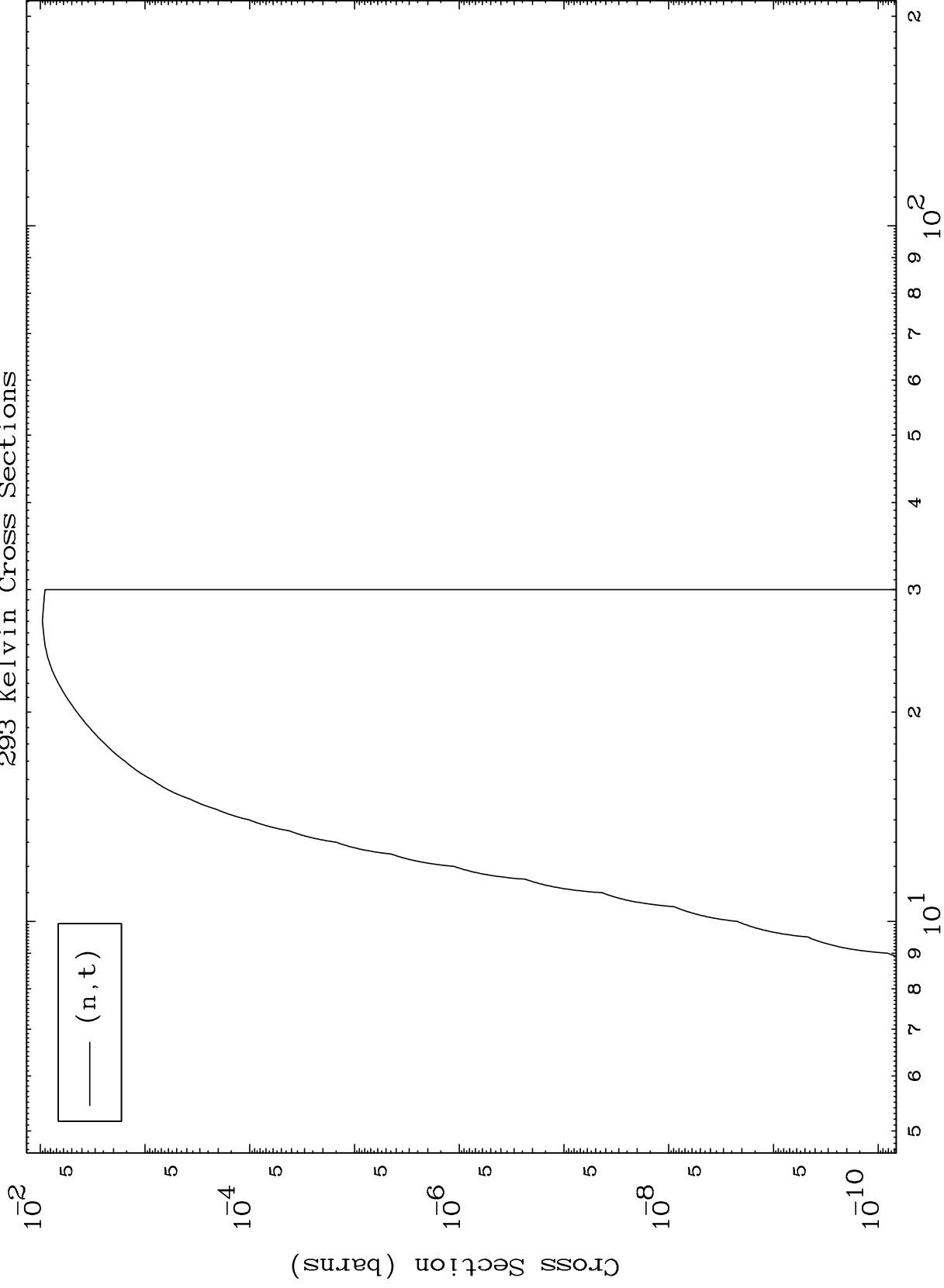
Incident Energy (MeV)

60-Nd-143

MAT 6028

(n,t) Levels
293 Kelvin Cross Sections

60-Nd-143



13

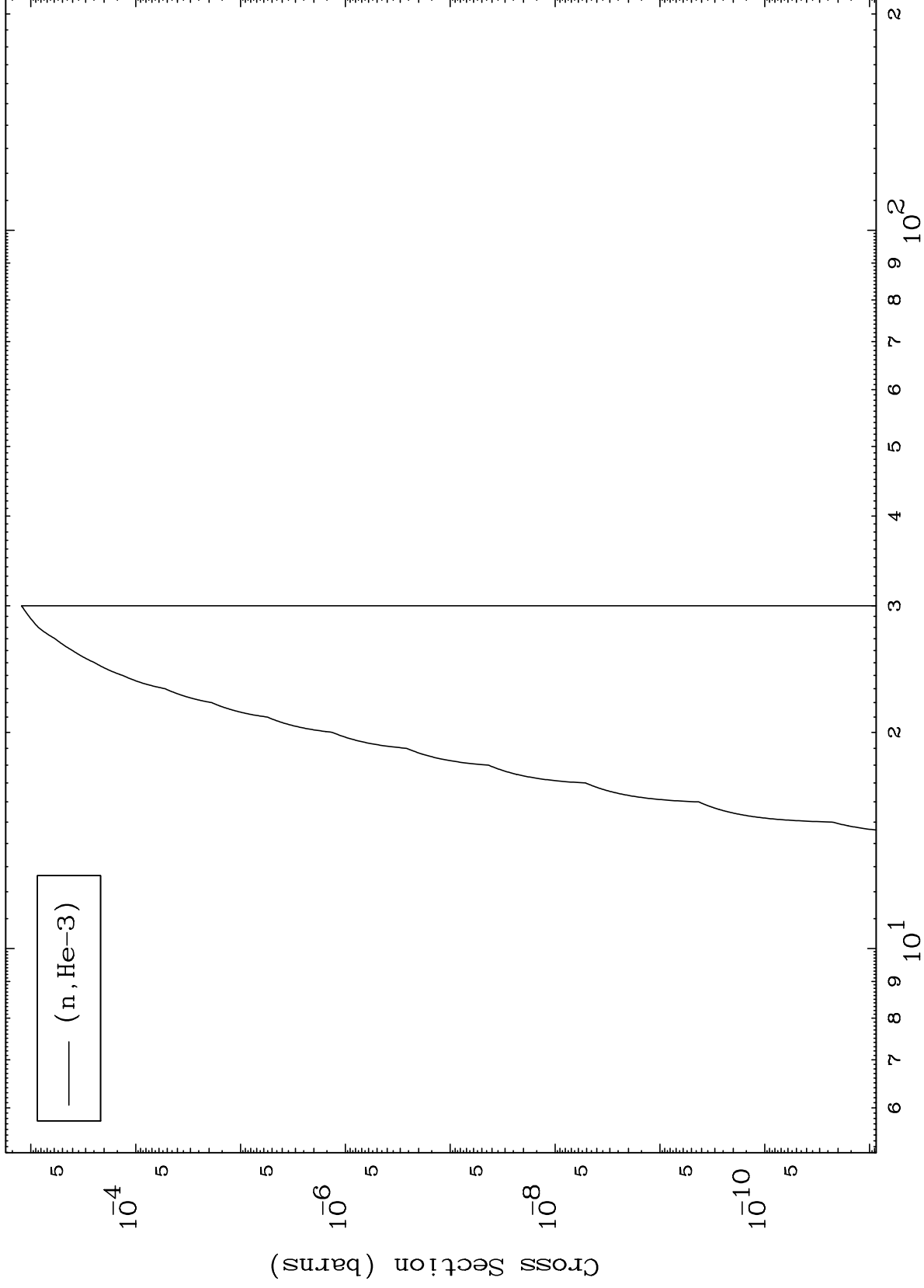
Incident Energy (MeV)

60-Nd-143

MAT 6028

(n,He3) Levels
293 Kelvin Cross Sections

60-Nd-143



14

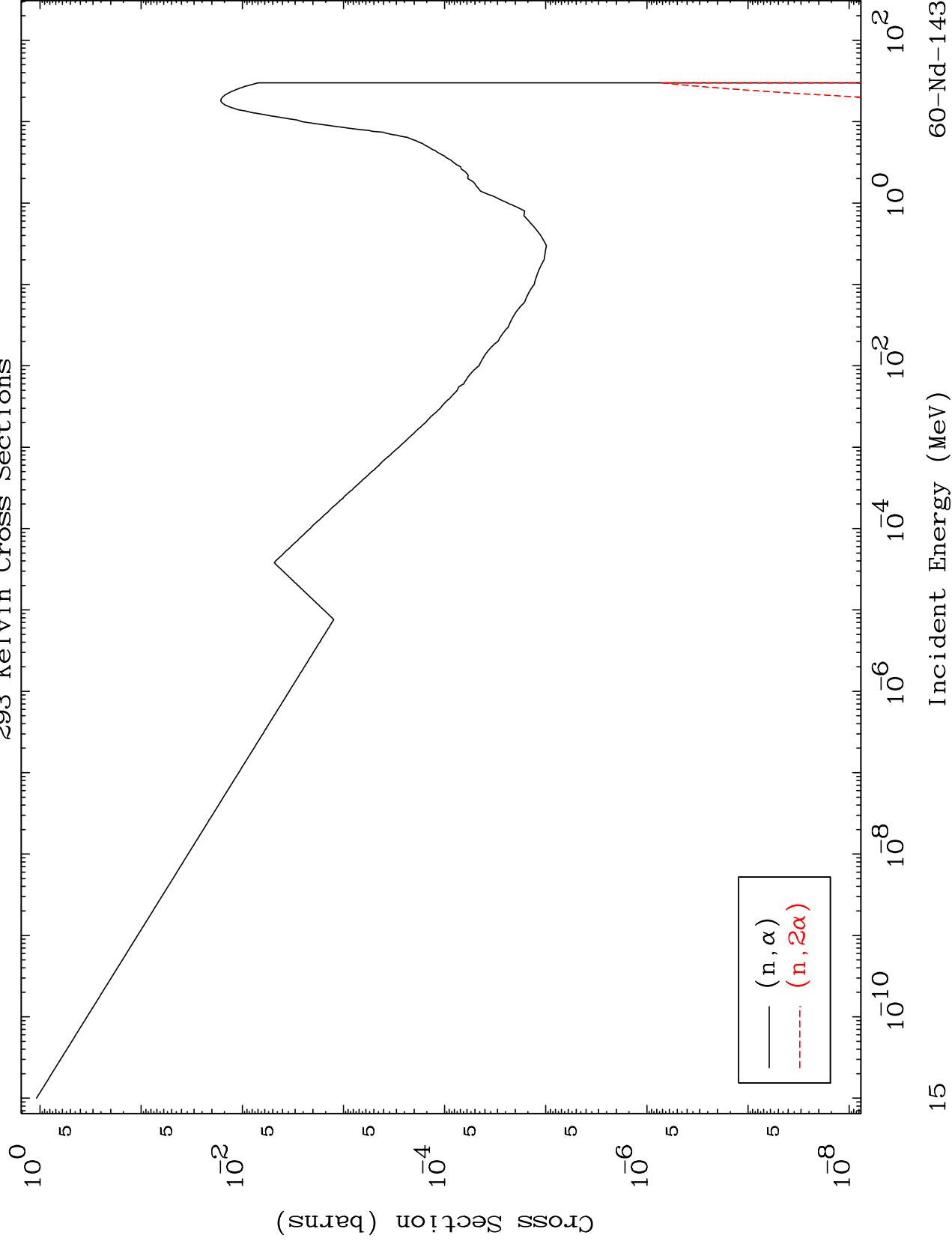
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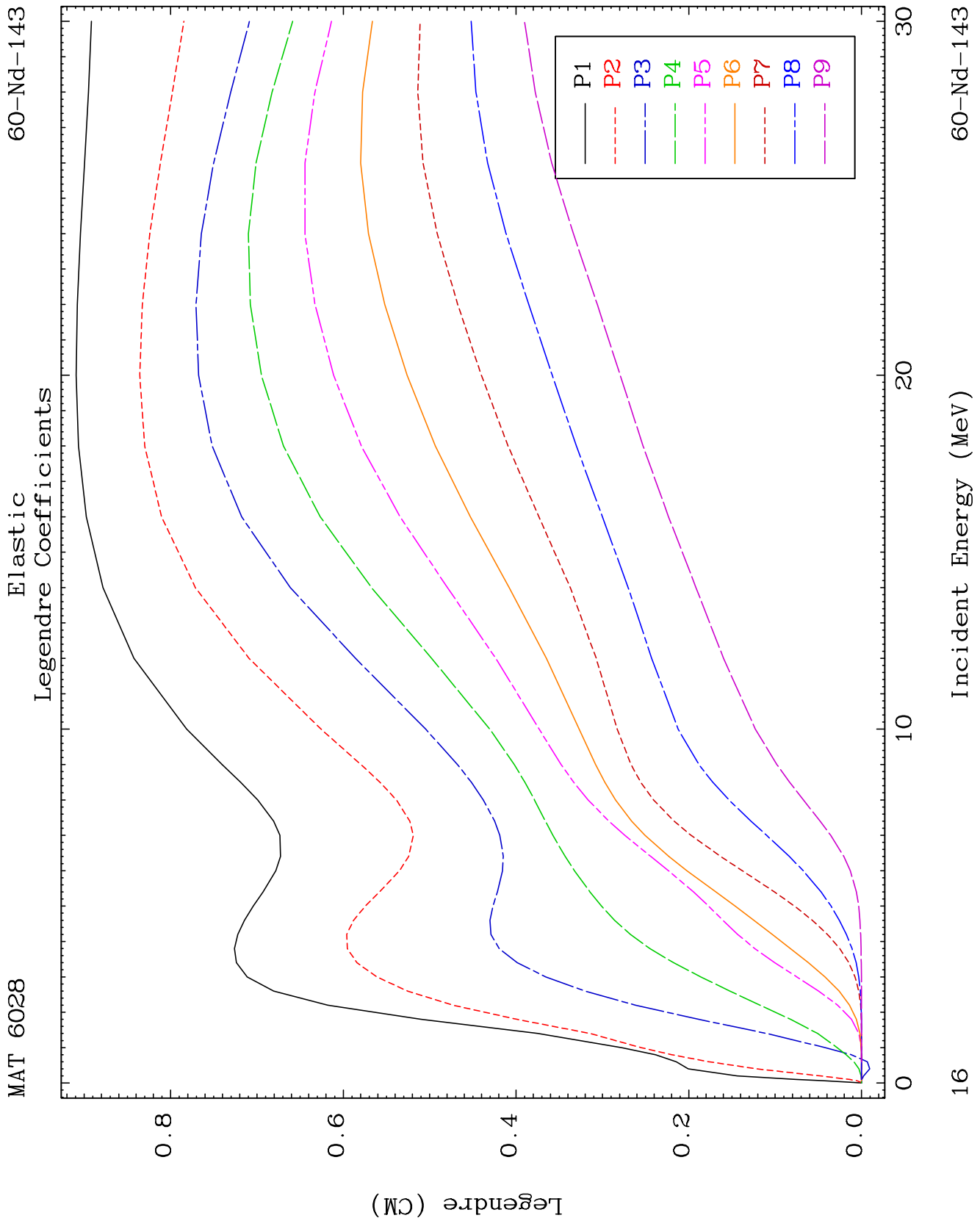
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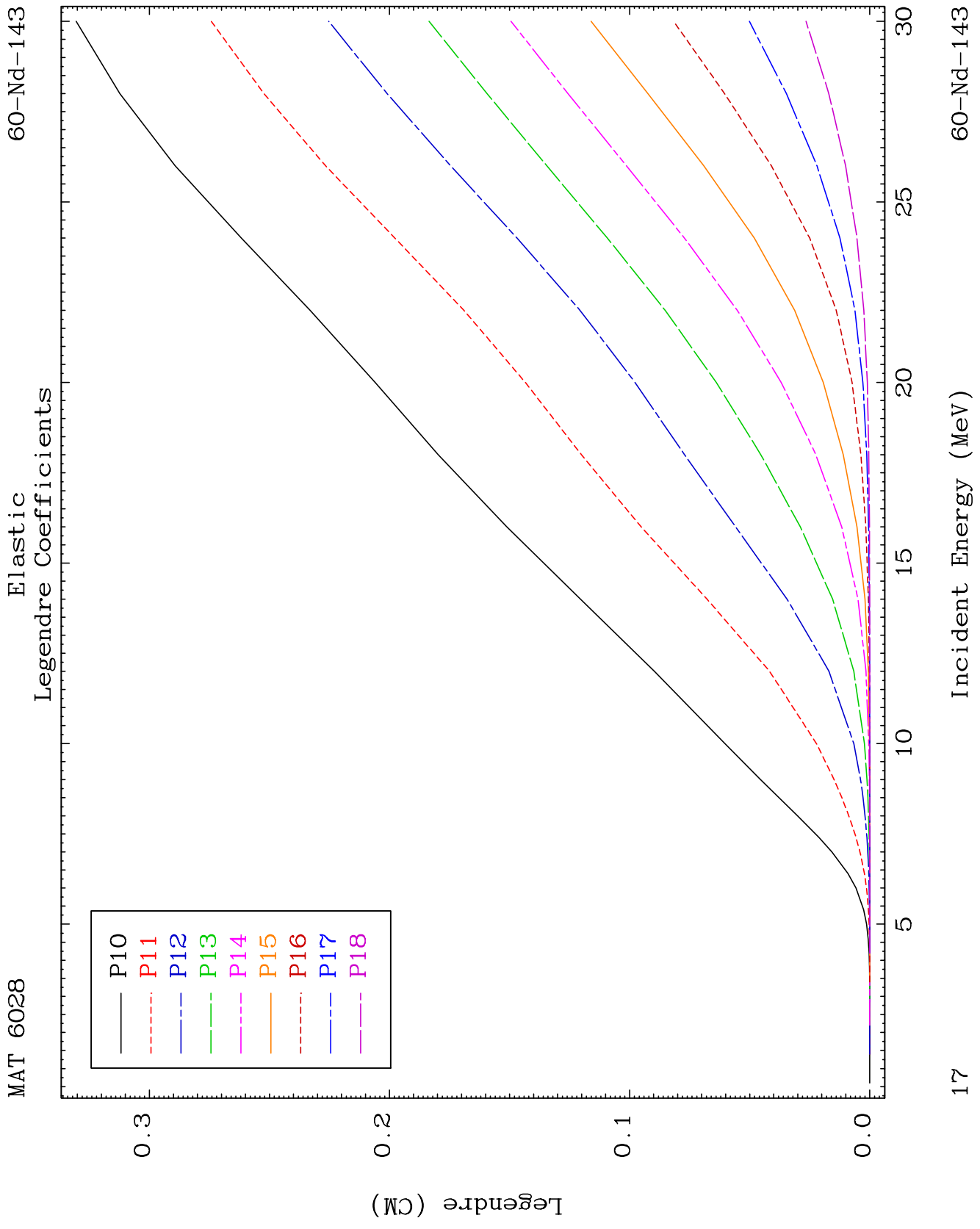
MAT 6028

(n,α) Levels
293 Kelvin Cross Sections

60-Nd-143



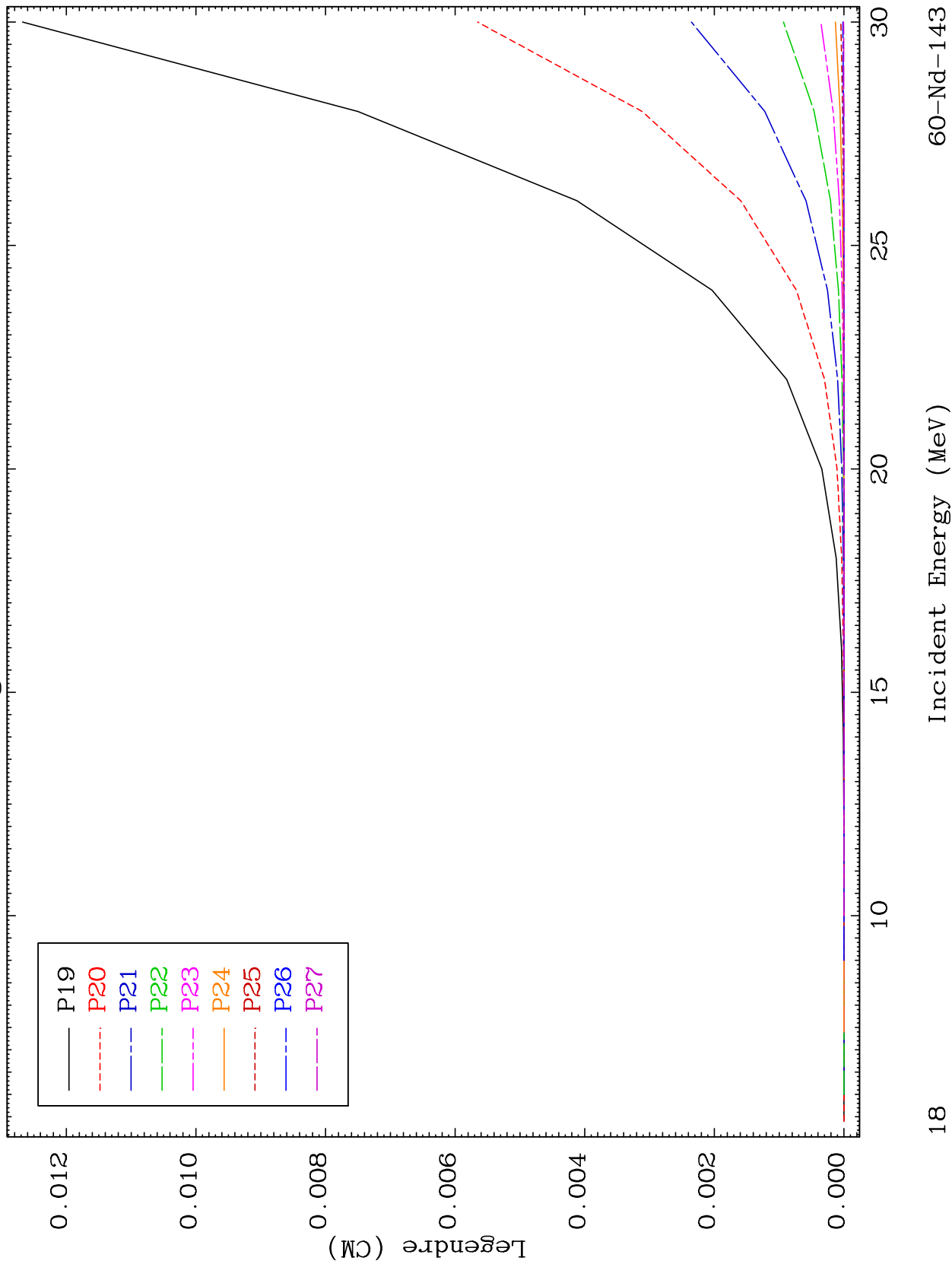




MAT 6028

Elastic Legendre Coefficients

60-Nd-143



18

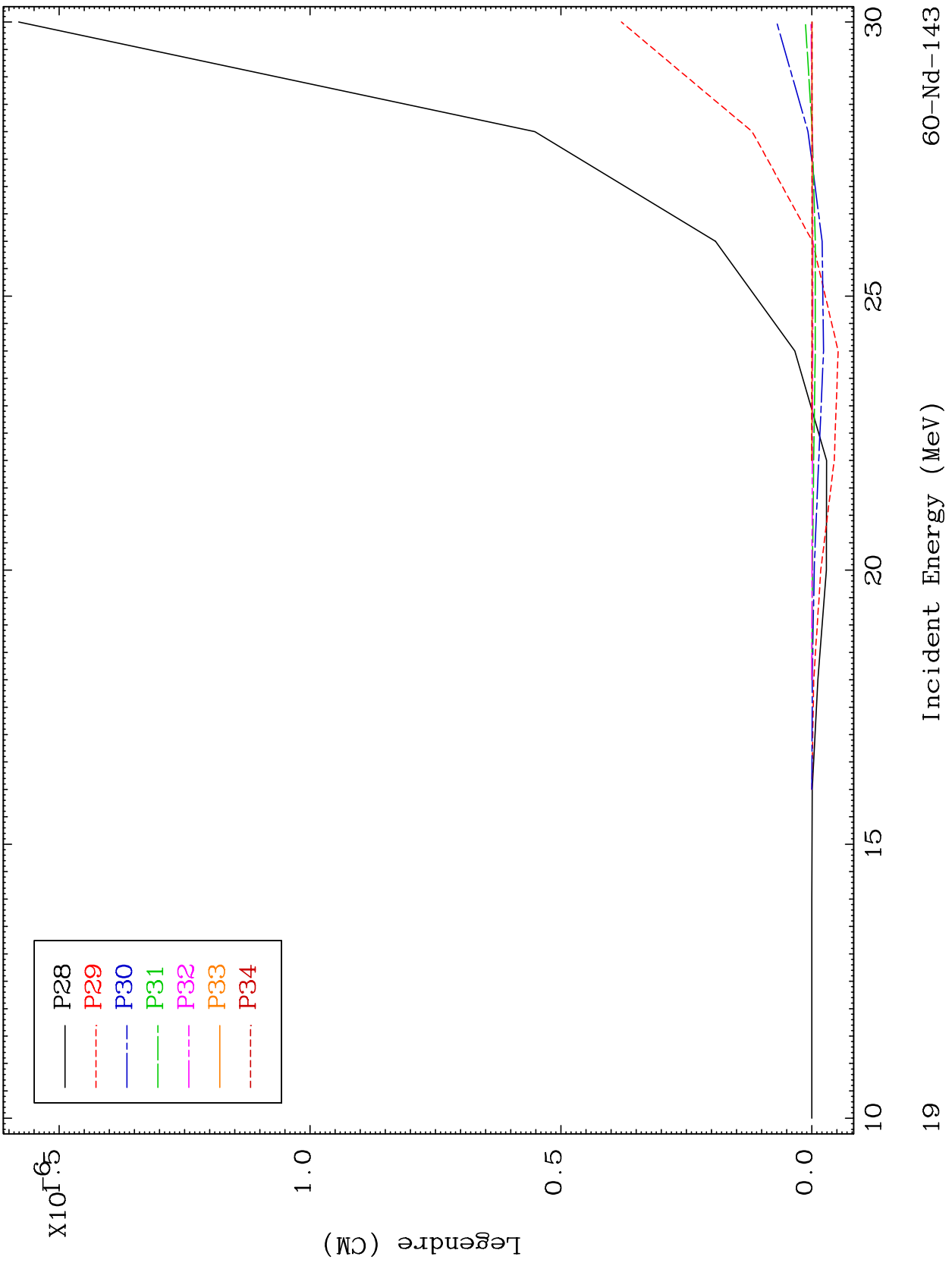
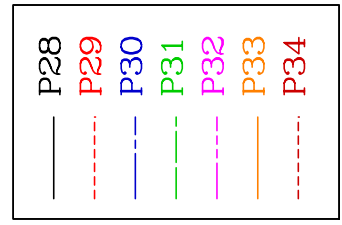
60-Nd-143

Incident Energy (MeV)

MAT 6028

Elastic Legendre Coefficients

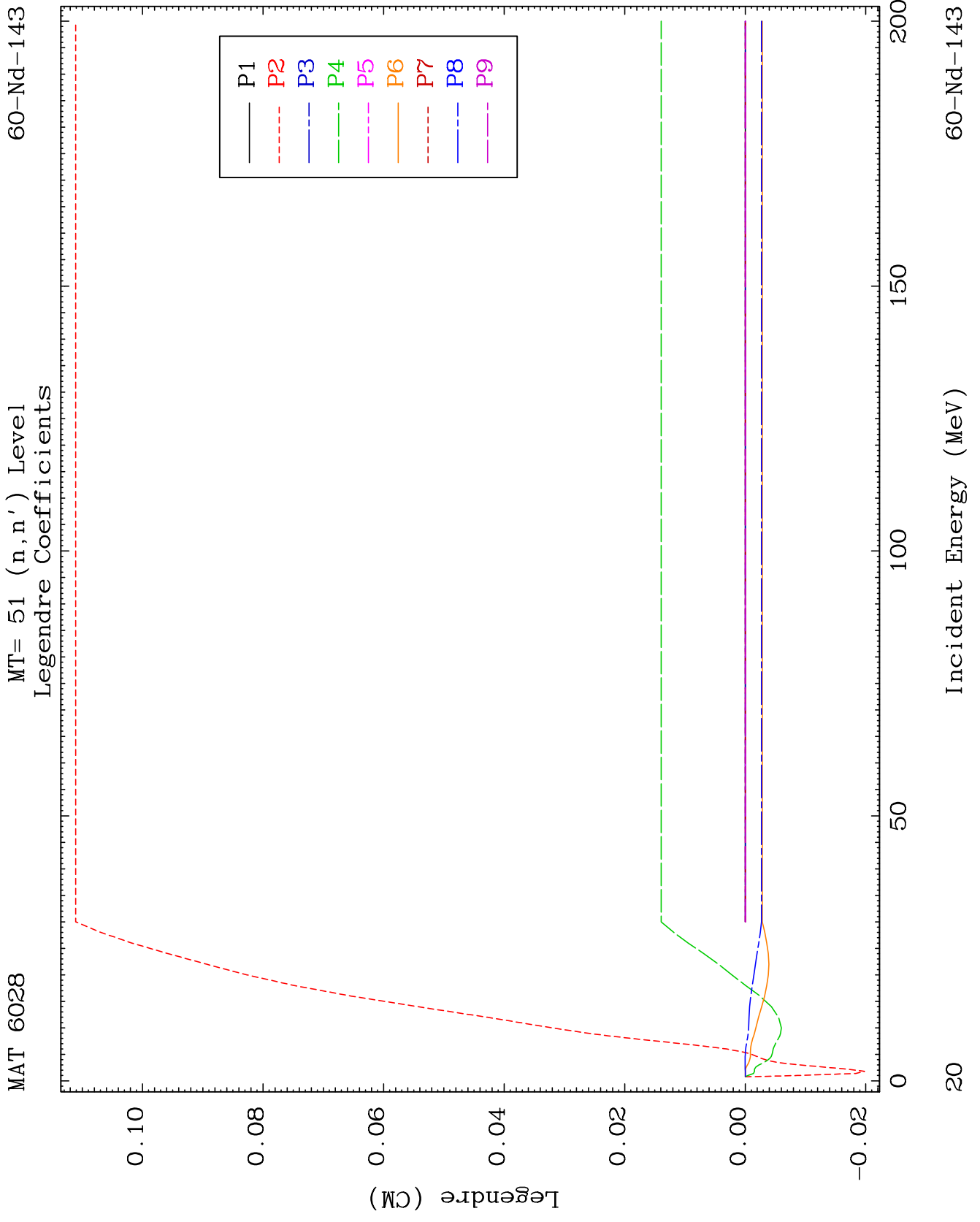
60-Nd-143



19

Incident Energy (MeV)

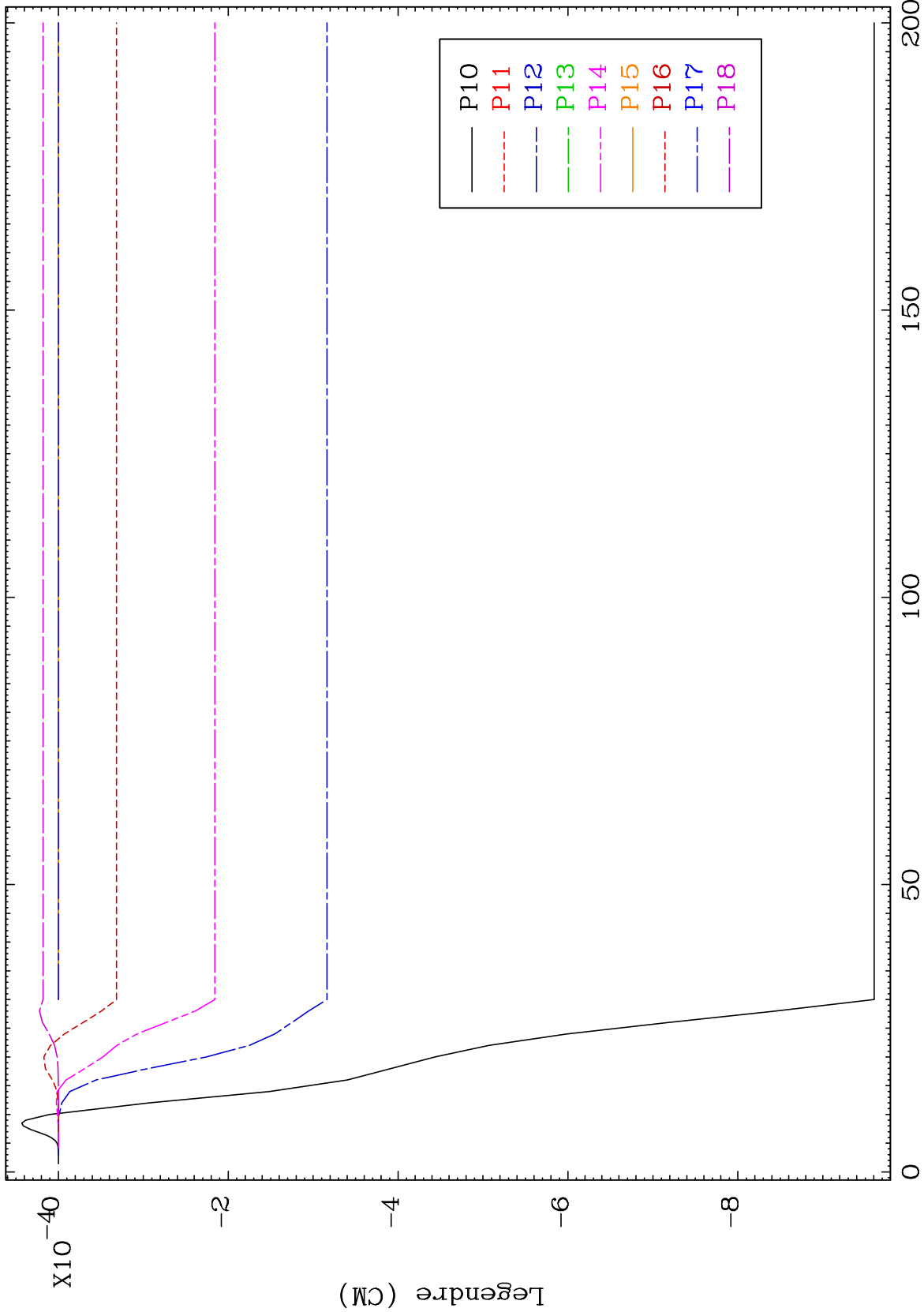
60-Nd-143



MAT 6028

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

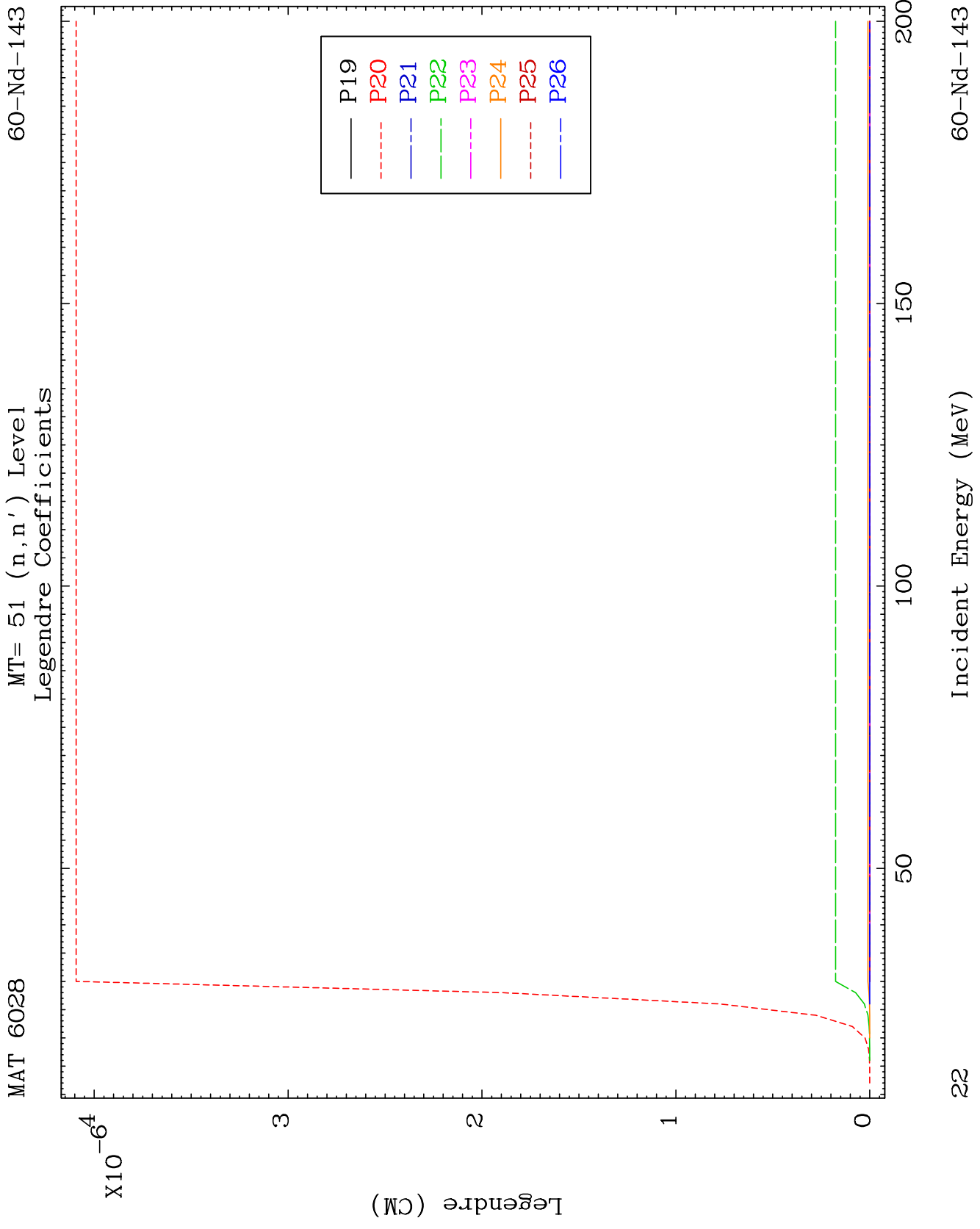
60-Nd-143



21

Incident Energy (MeV)

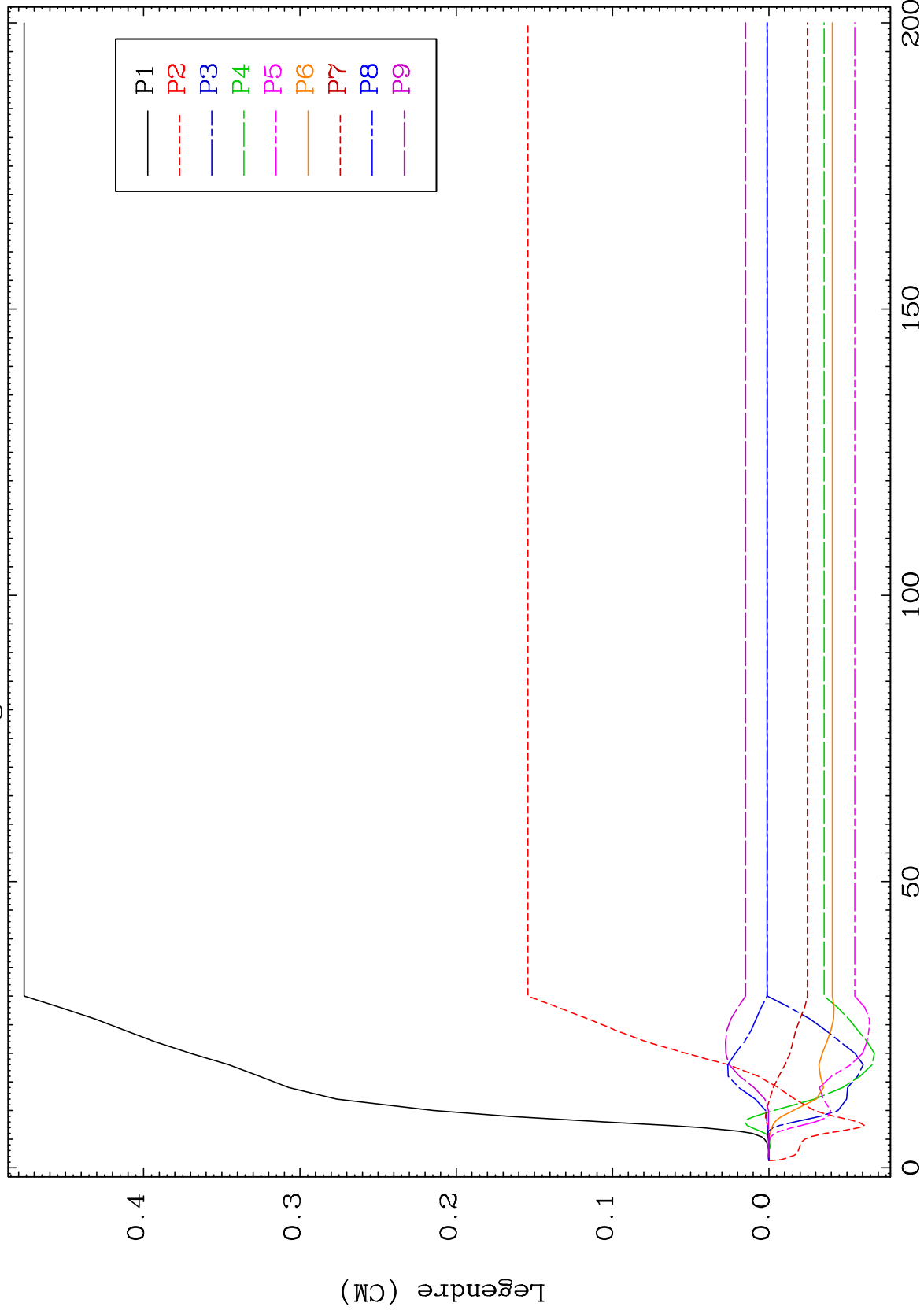
60-Nd-143



MAT 6028

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

60-Nd-143



23

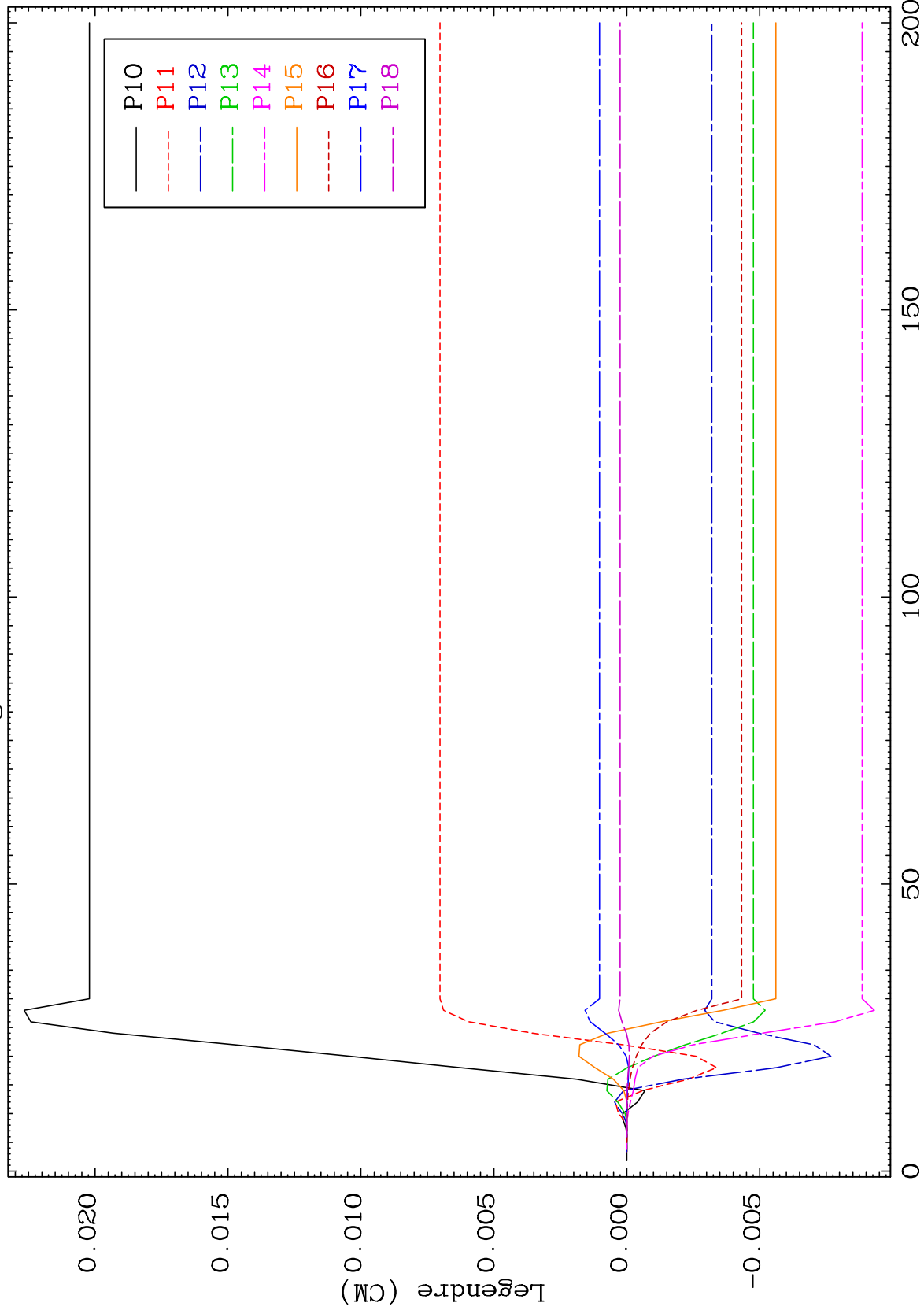
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



24

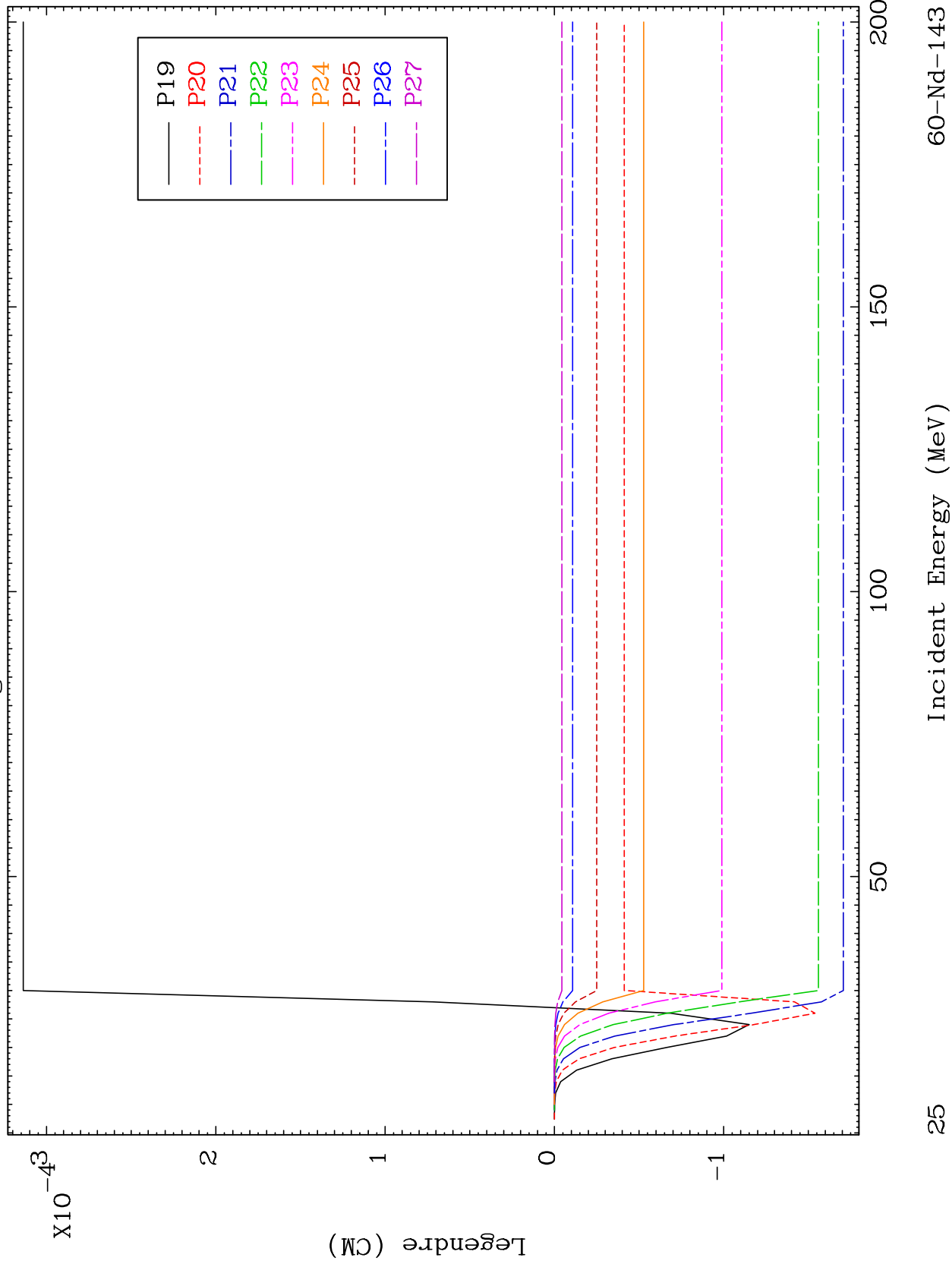
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

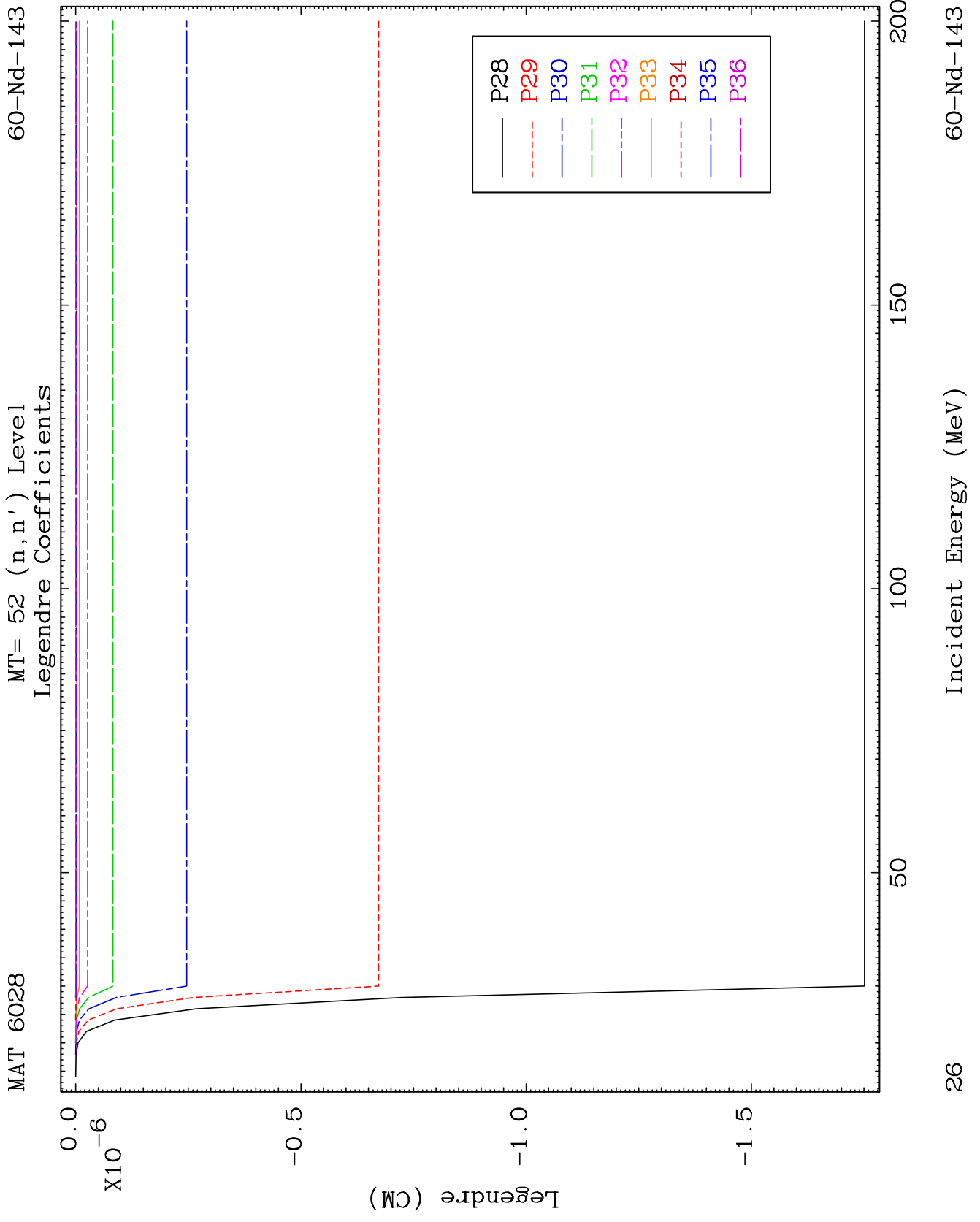
60-Nd-143



25

Incident Energy (MeV)

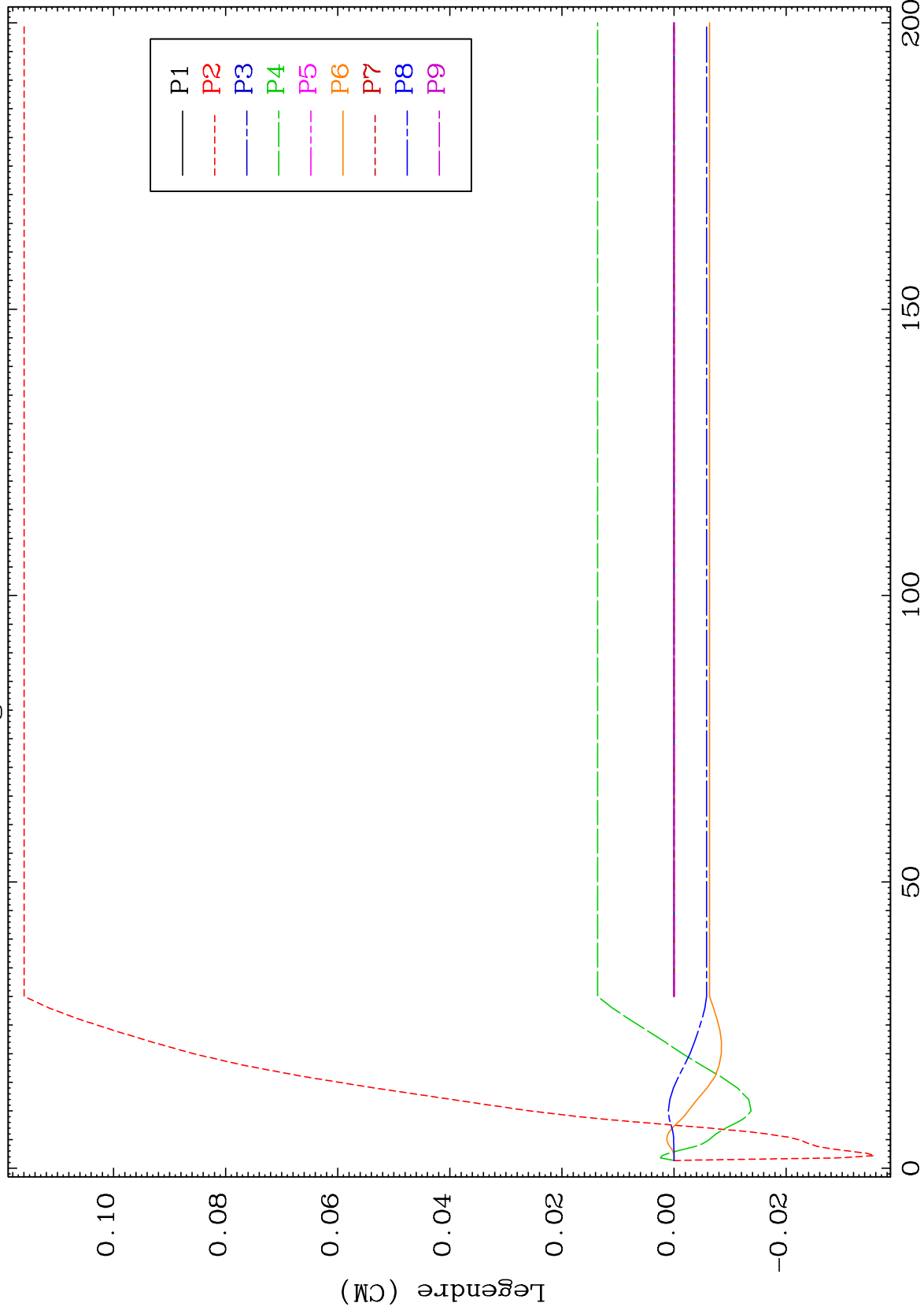
60-Nd-143



MAT 6028

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

60-Nd-143



27

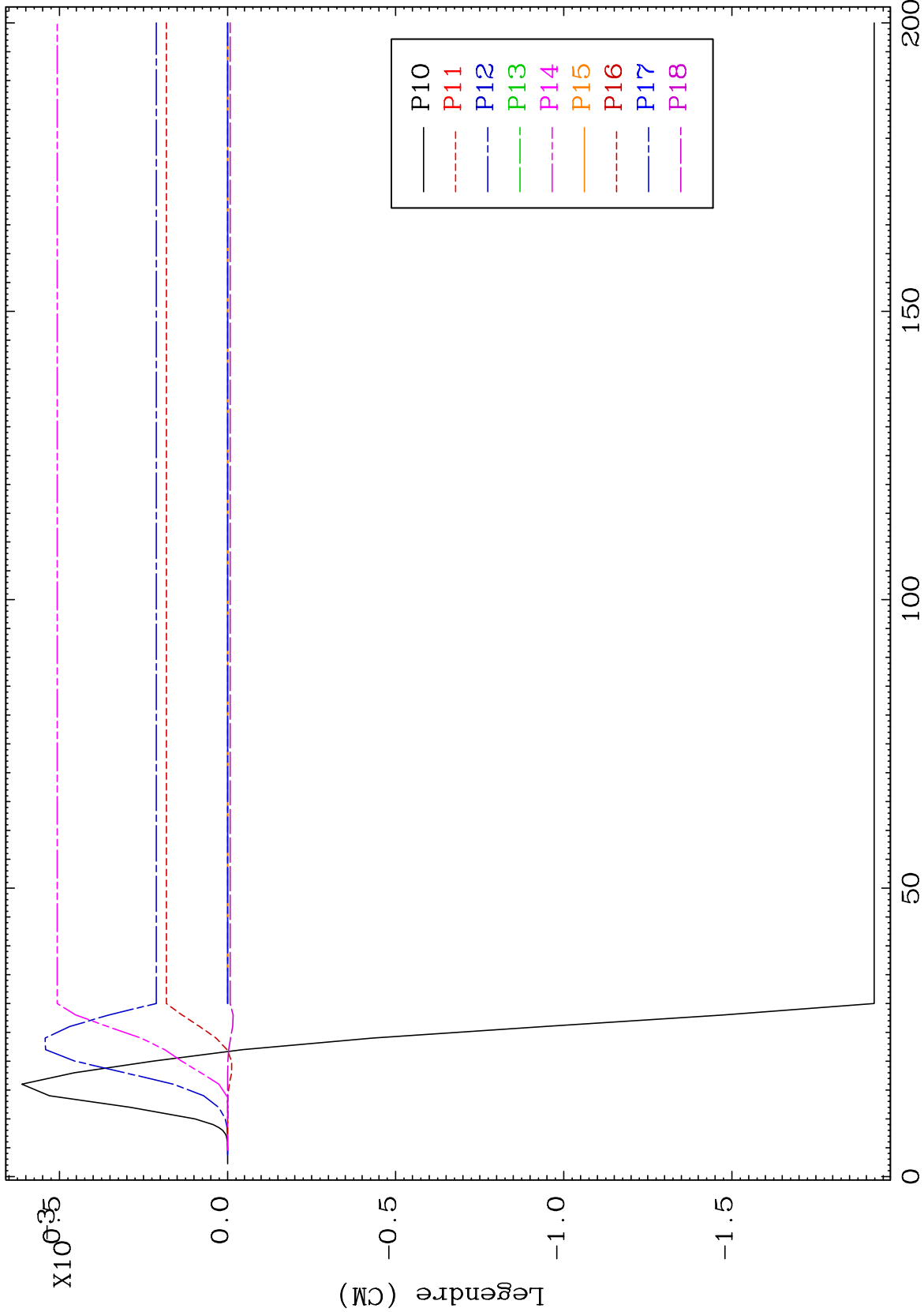
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

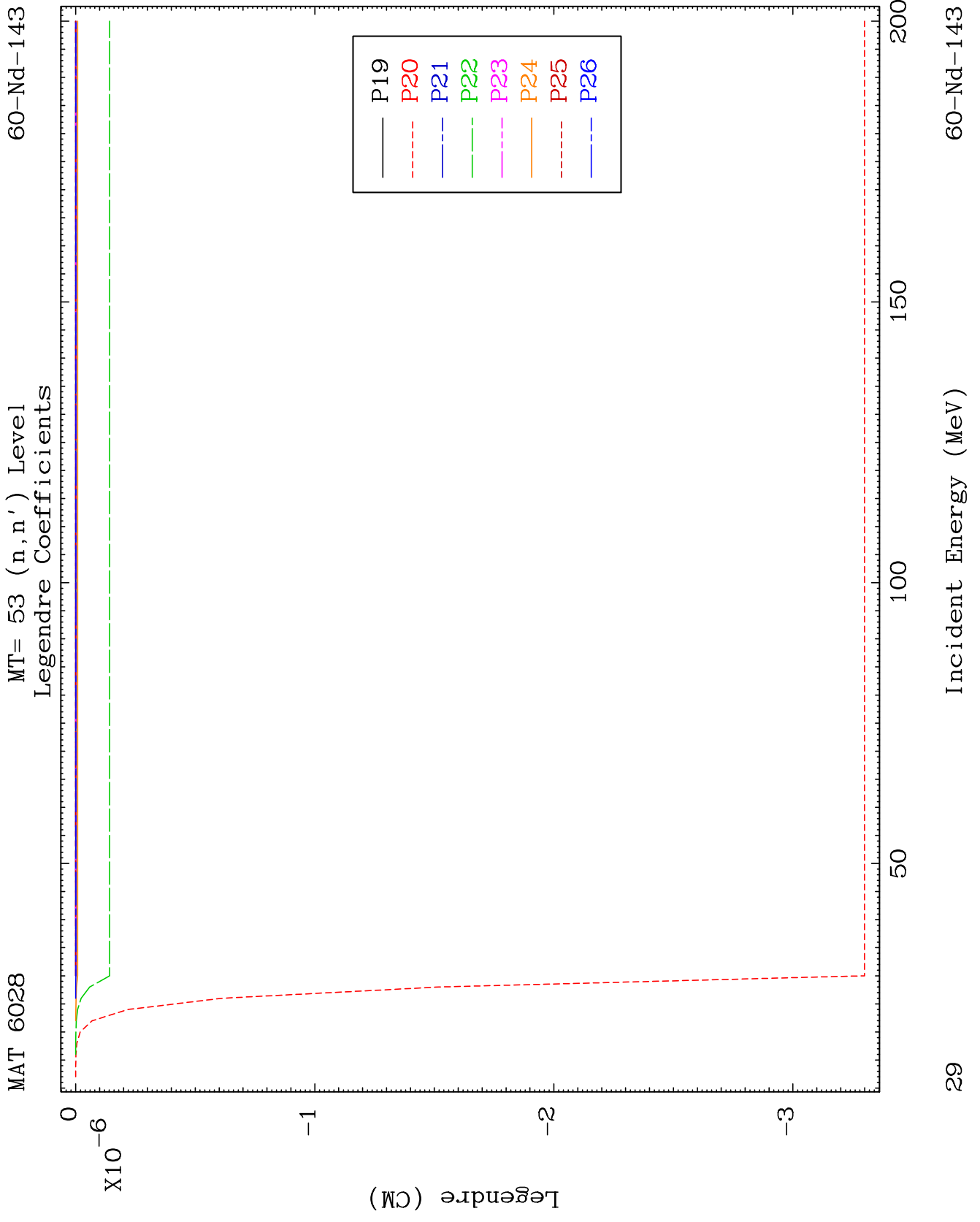
60-Nd-143



28

Incident Energy (MeV)

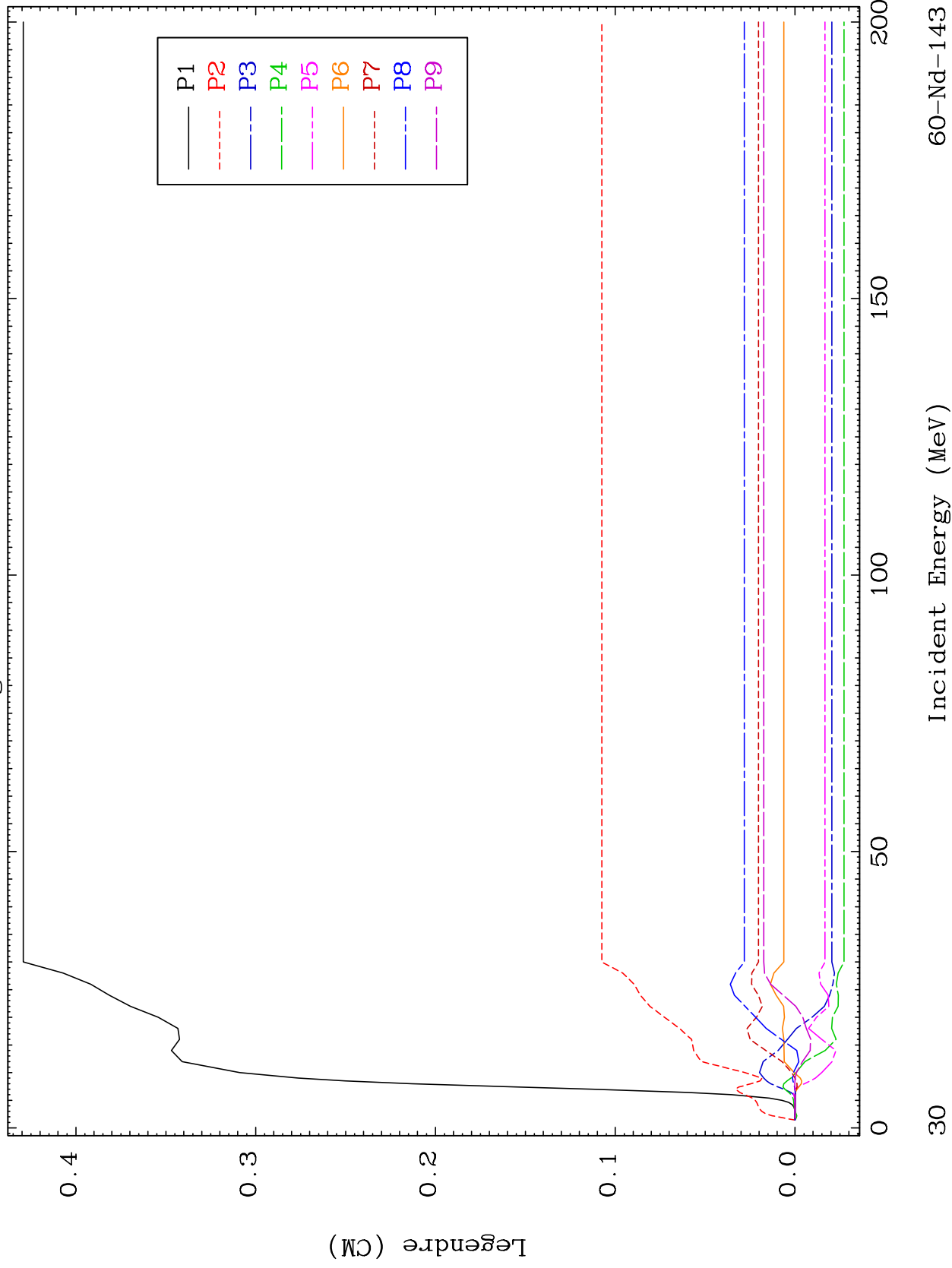
60-Nd-143



MAT 6028

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

60-Nd-143



60-Nd-143

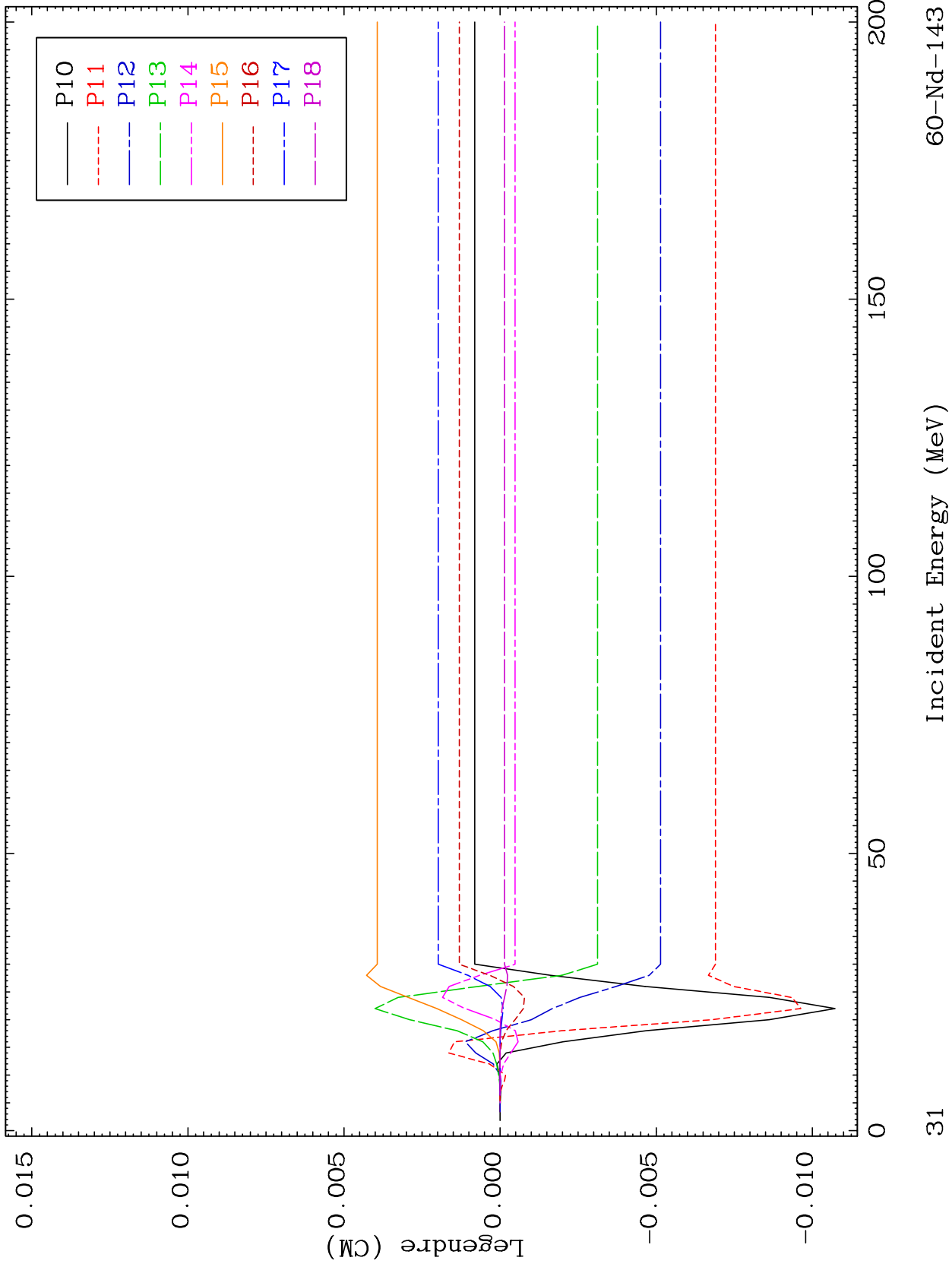
Incident Energy (MeV)

30

MAT 6028

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

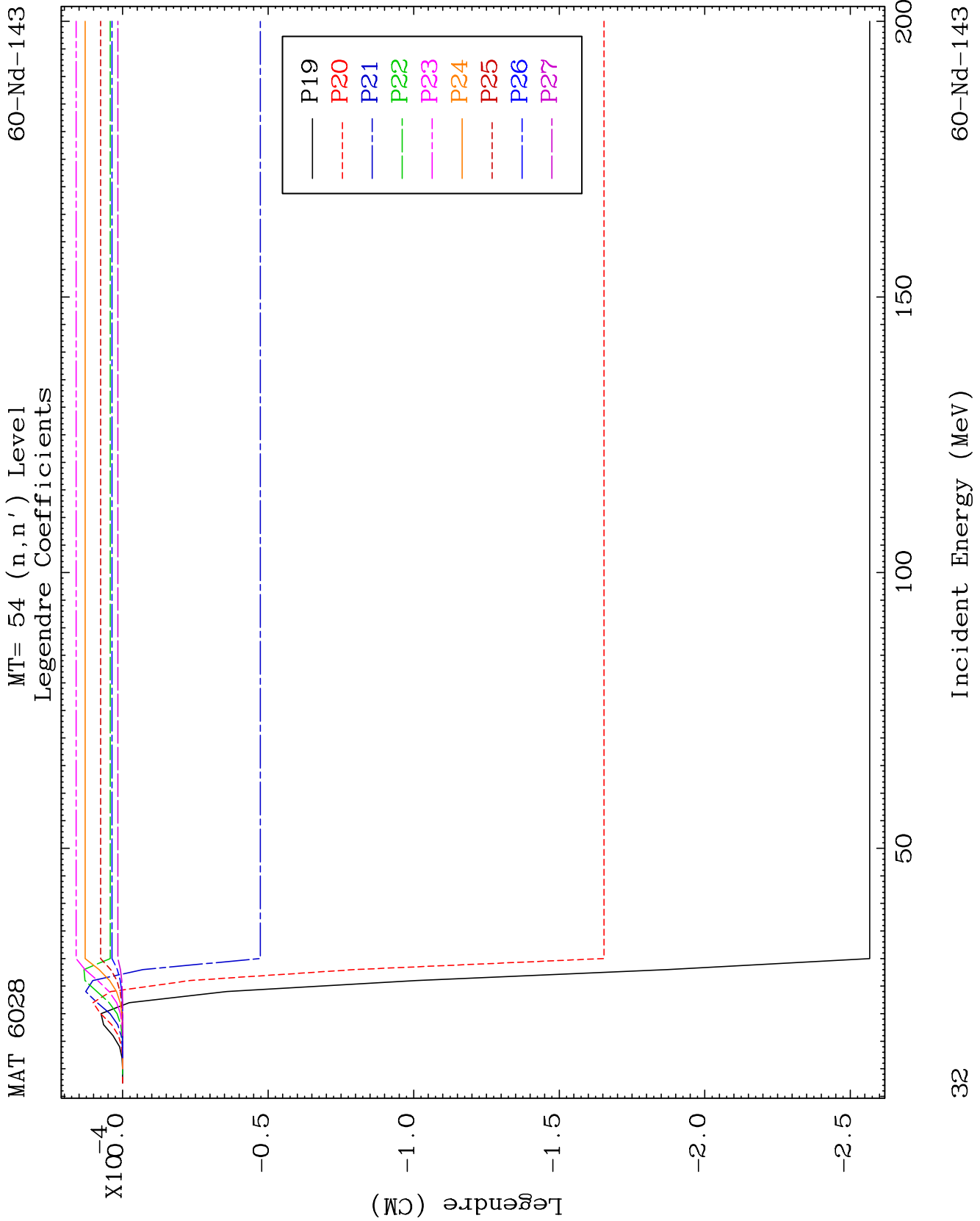
60-Nd-143



31

Incident Energy (MeV)

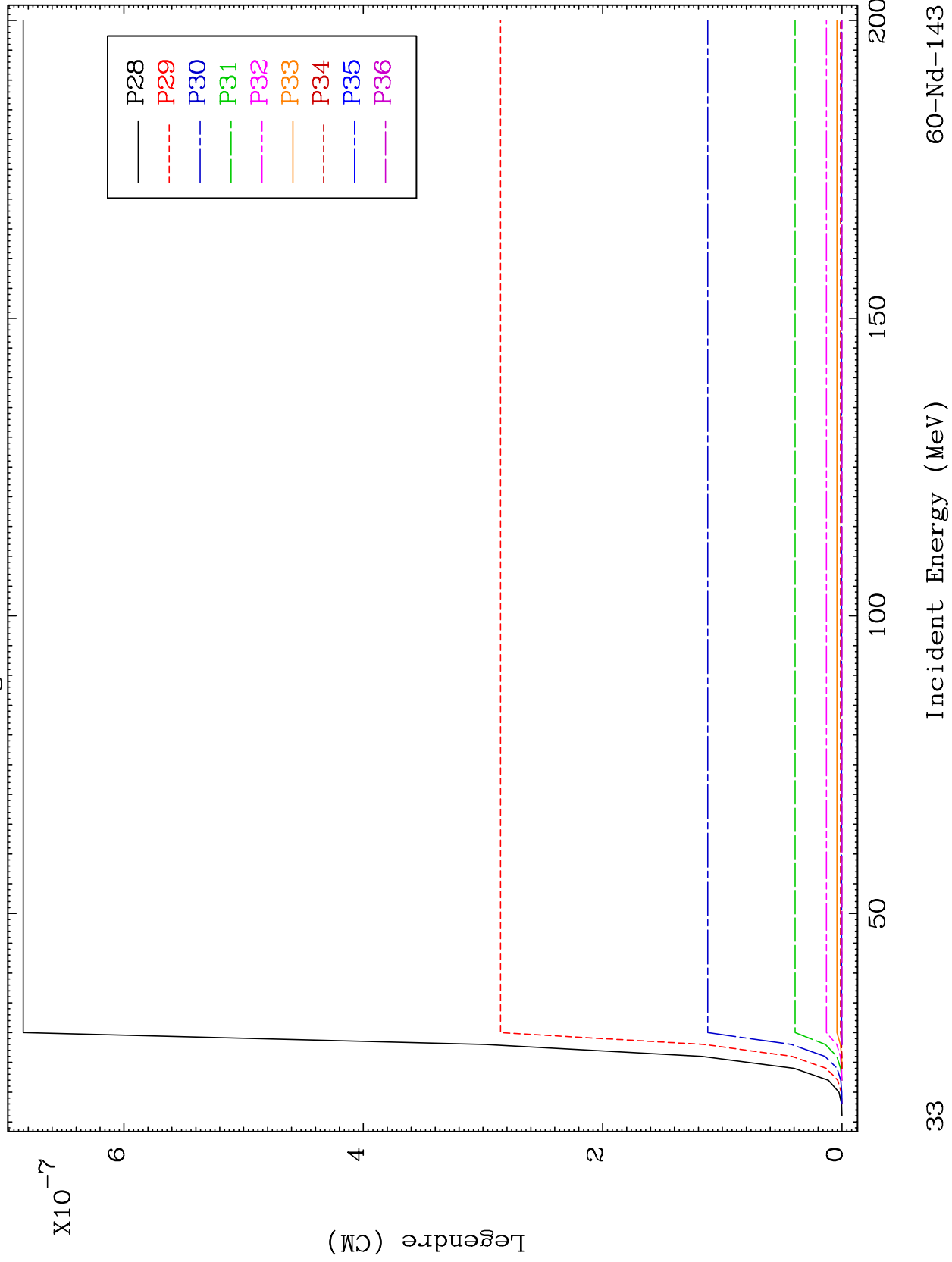
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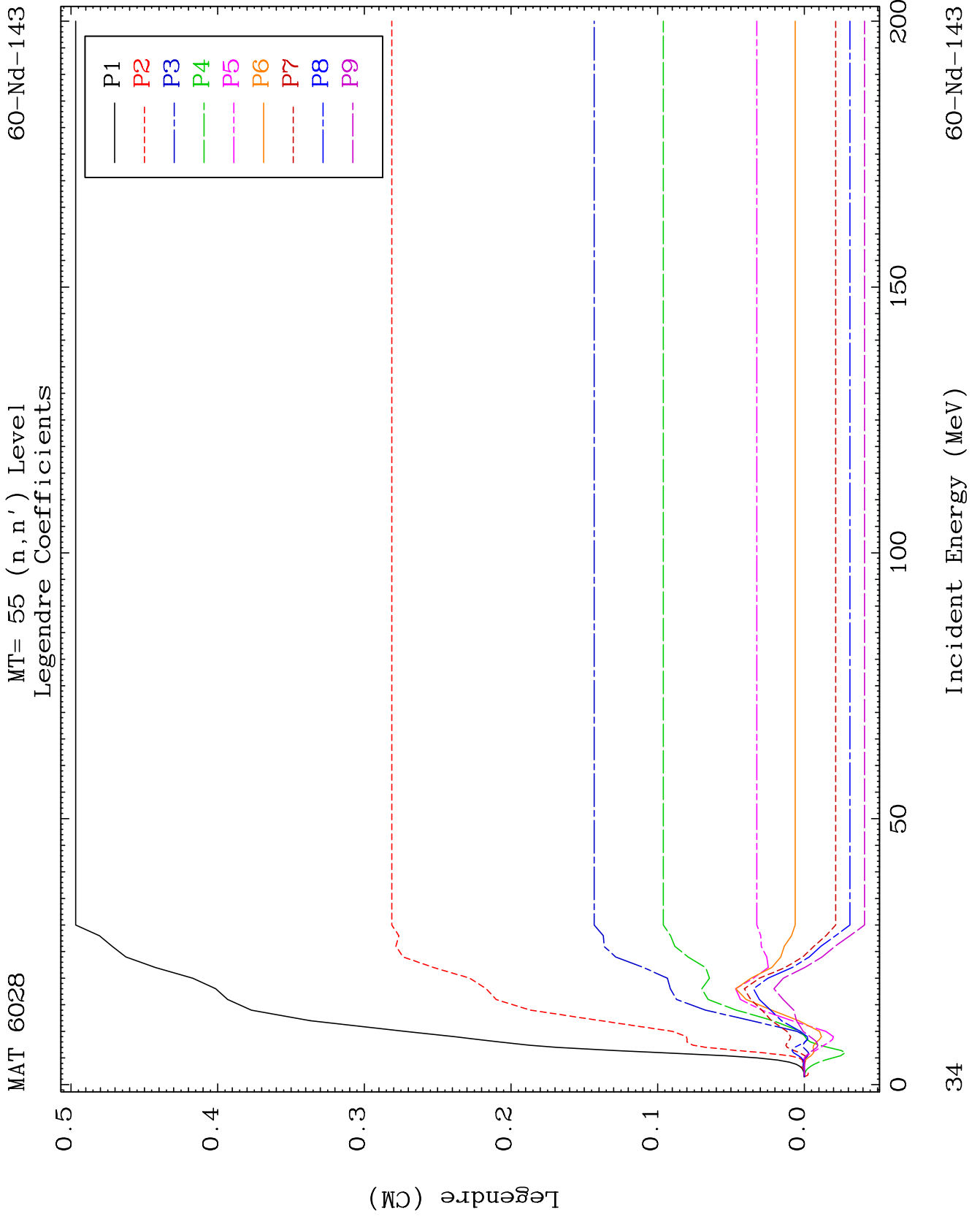


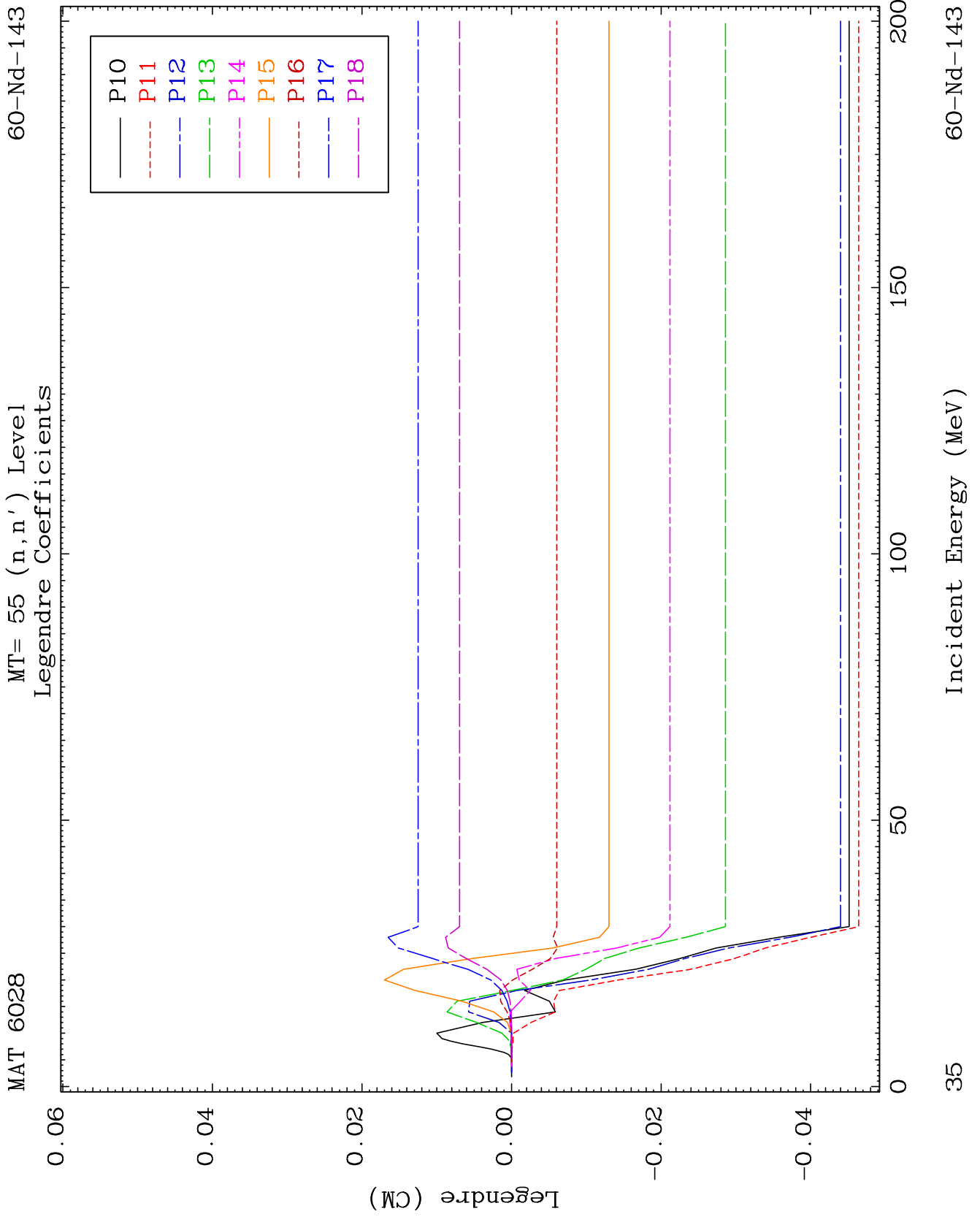
MAT 6028

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

60-Nd-143



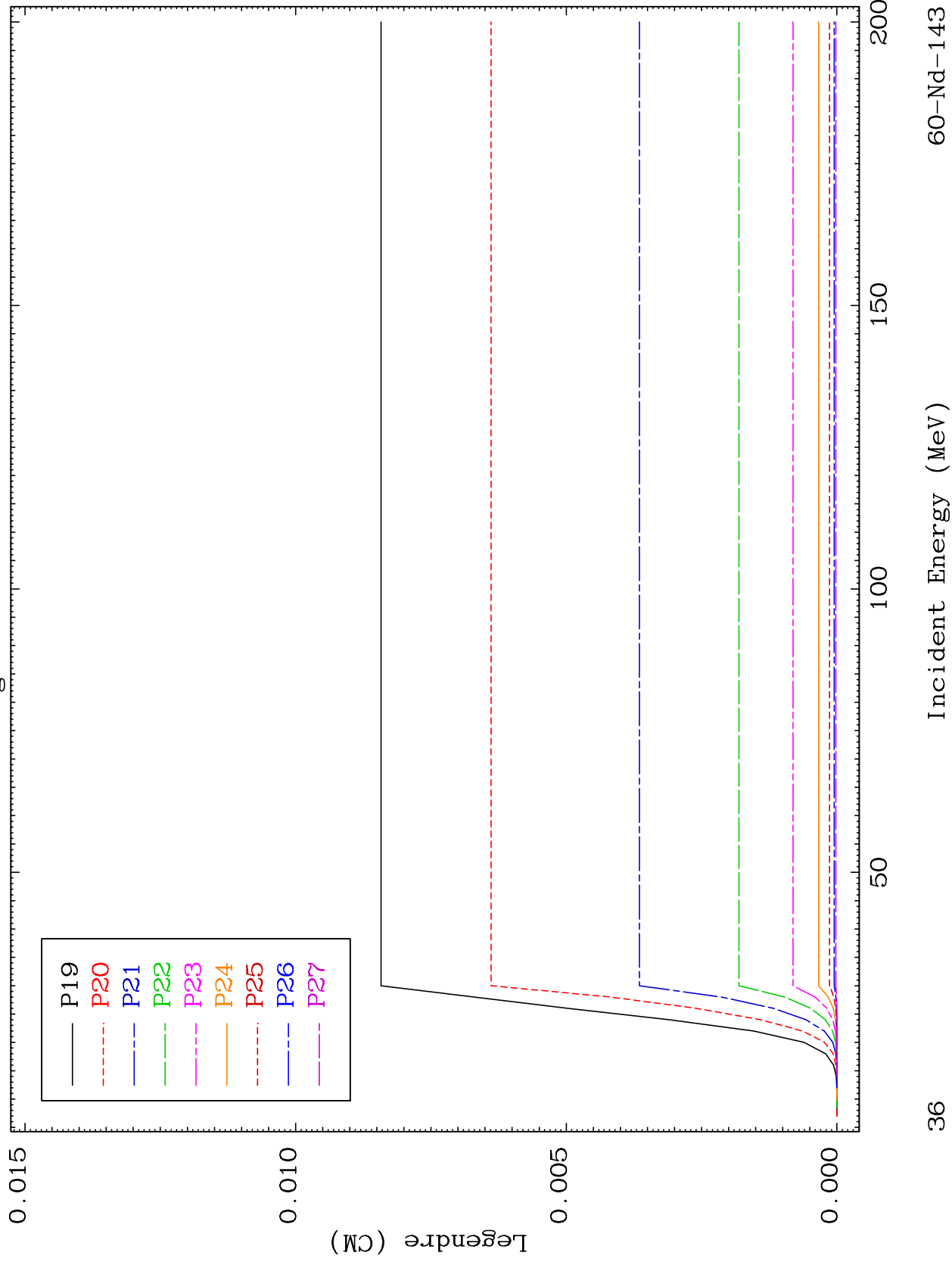




MAT 6028

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

60-Nd-143



36

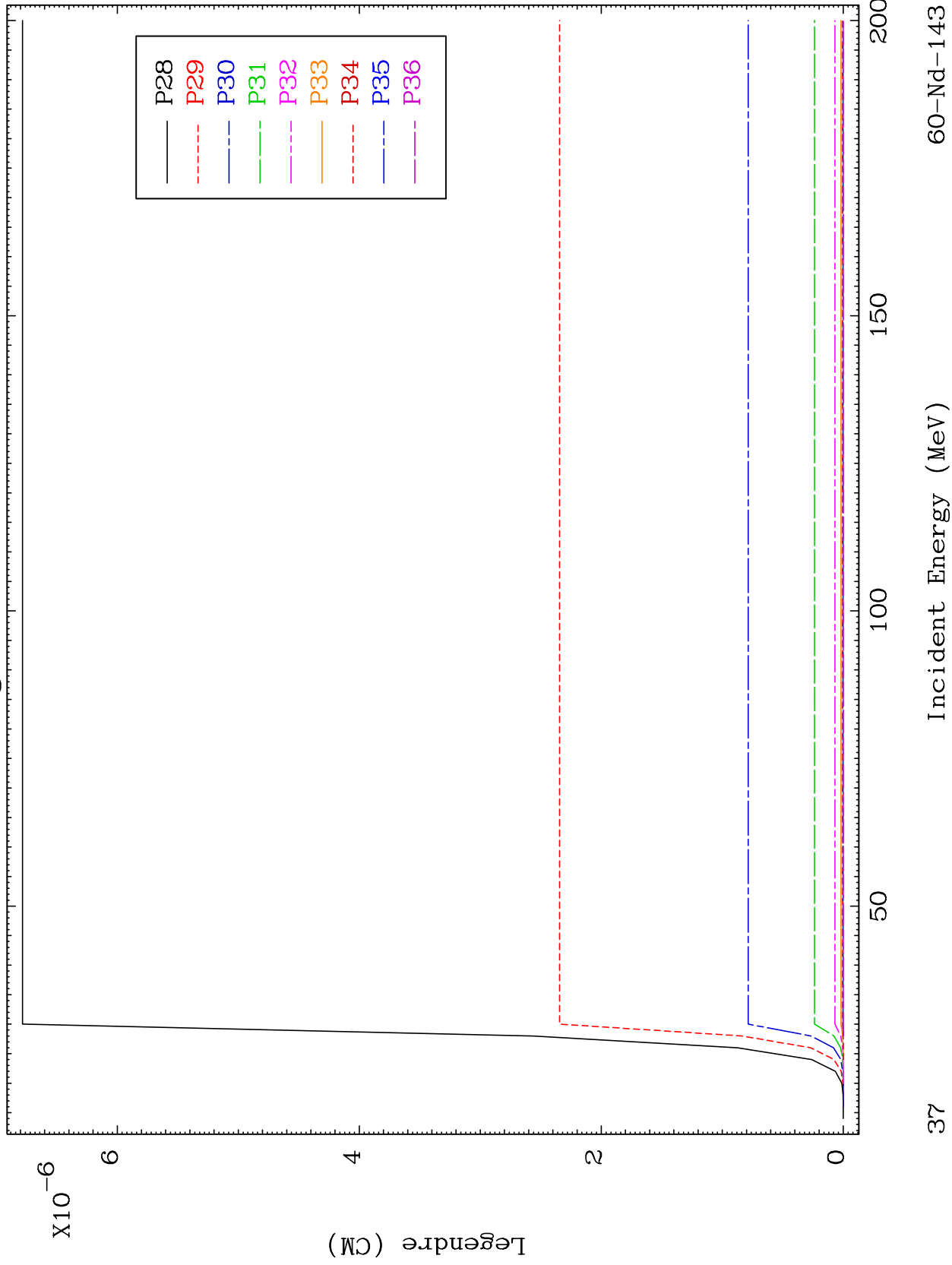
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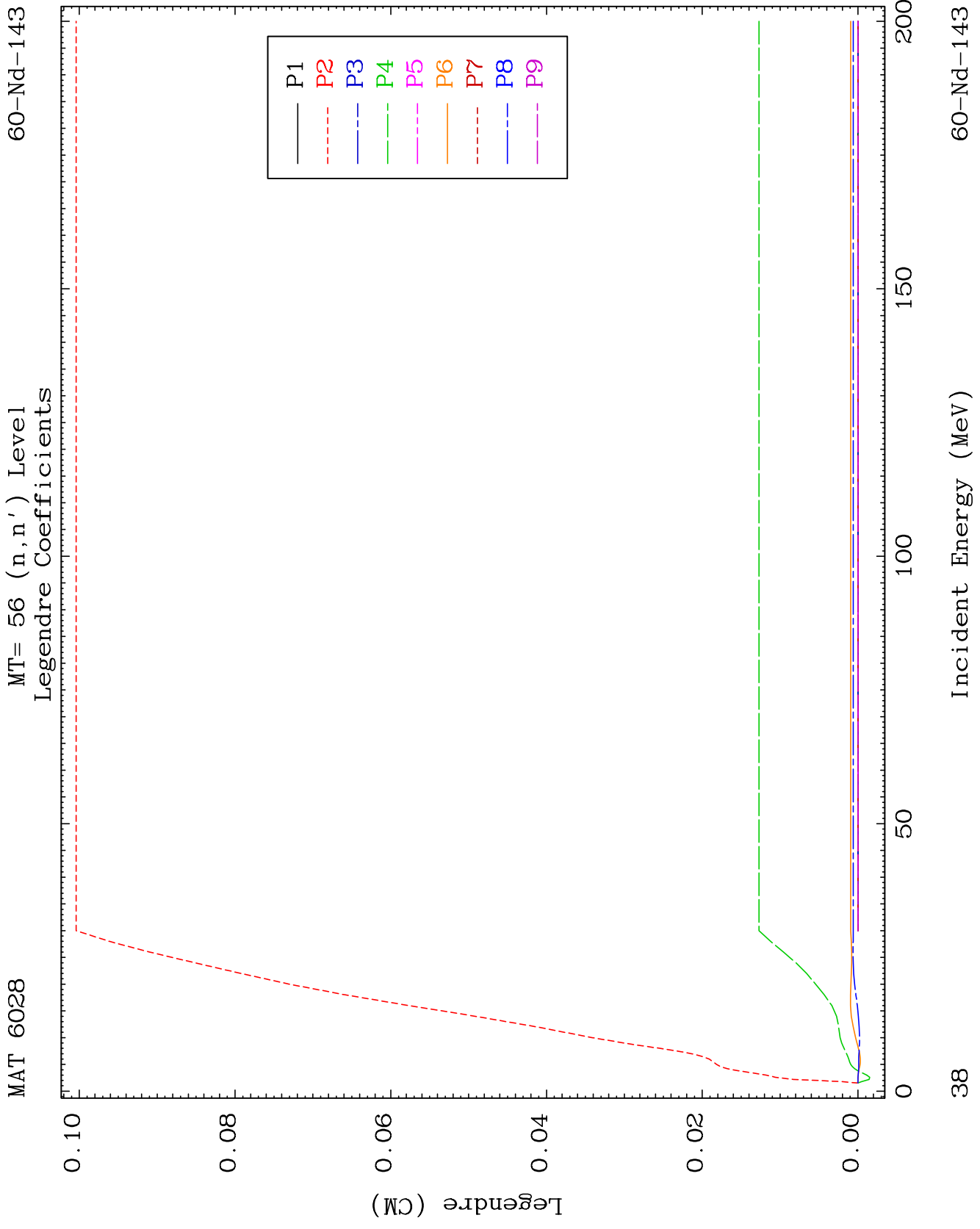
60-Nd-143

MAT 6028

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

60-Nd-143

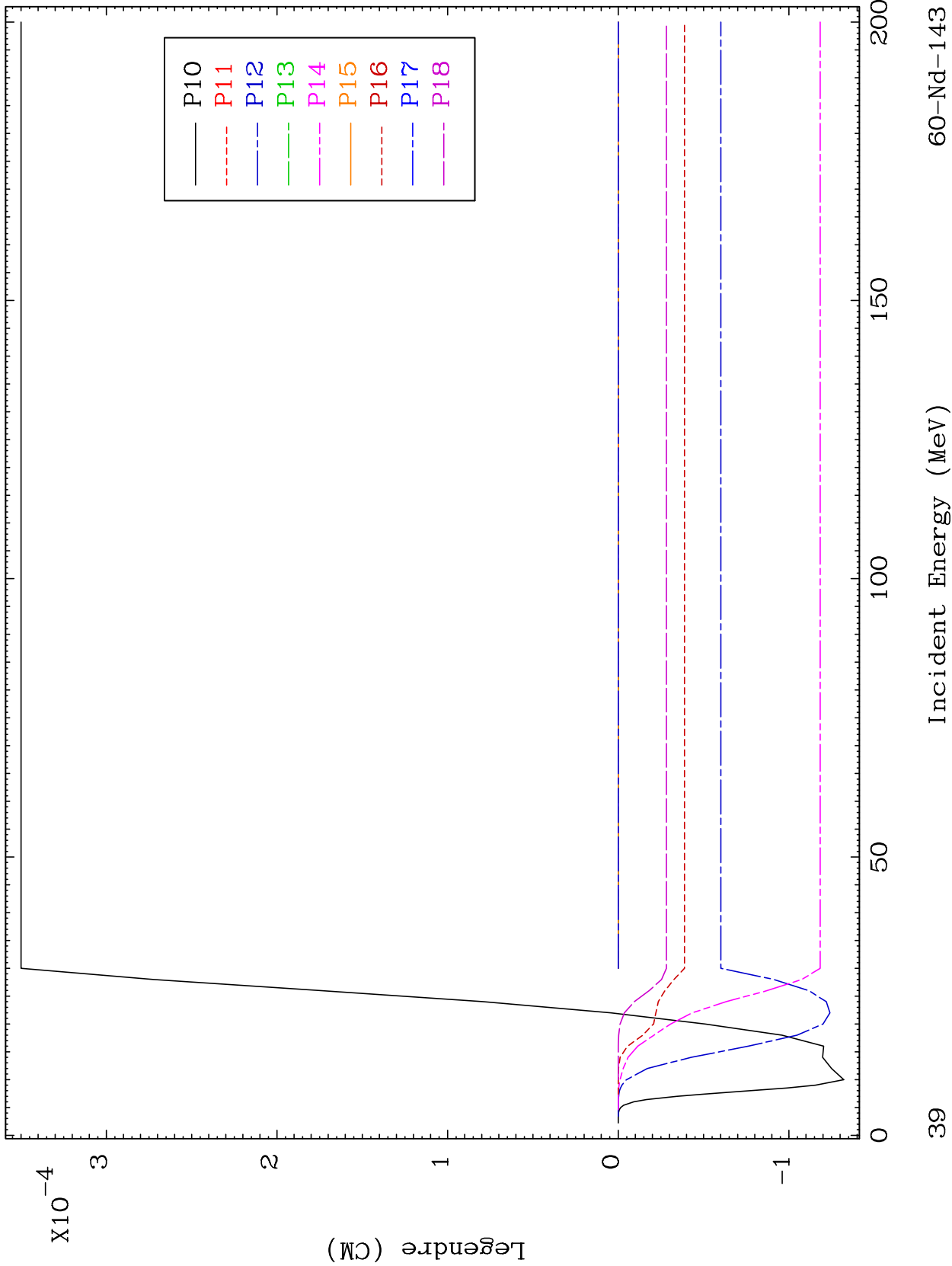




MAT 6028

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

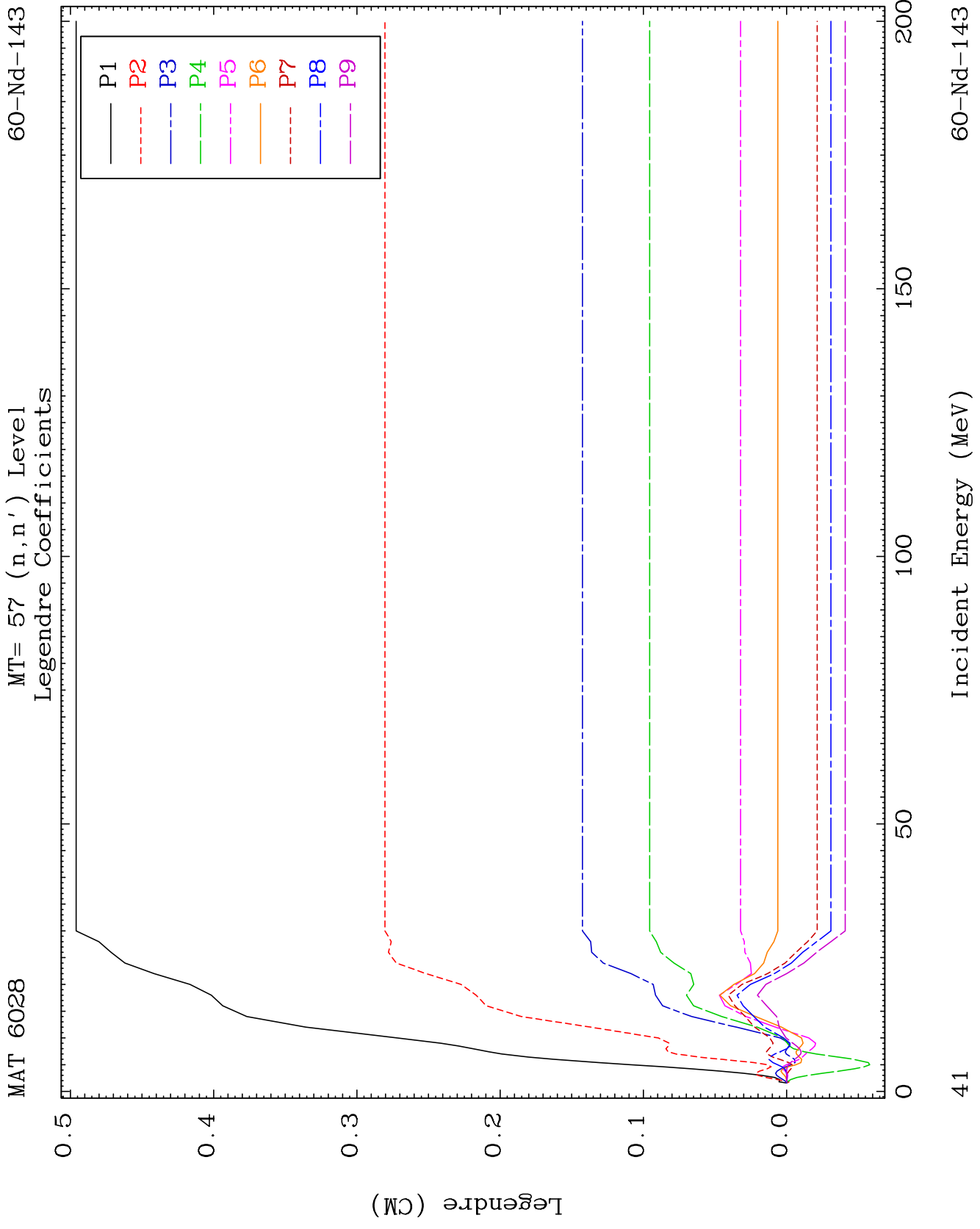
60-Nd-143

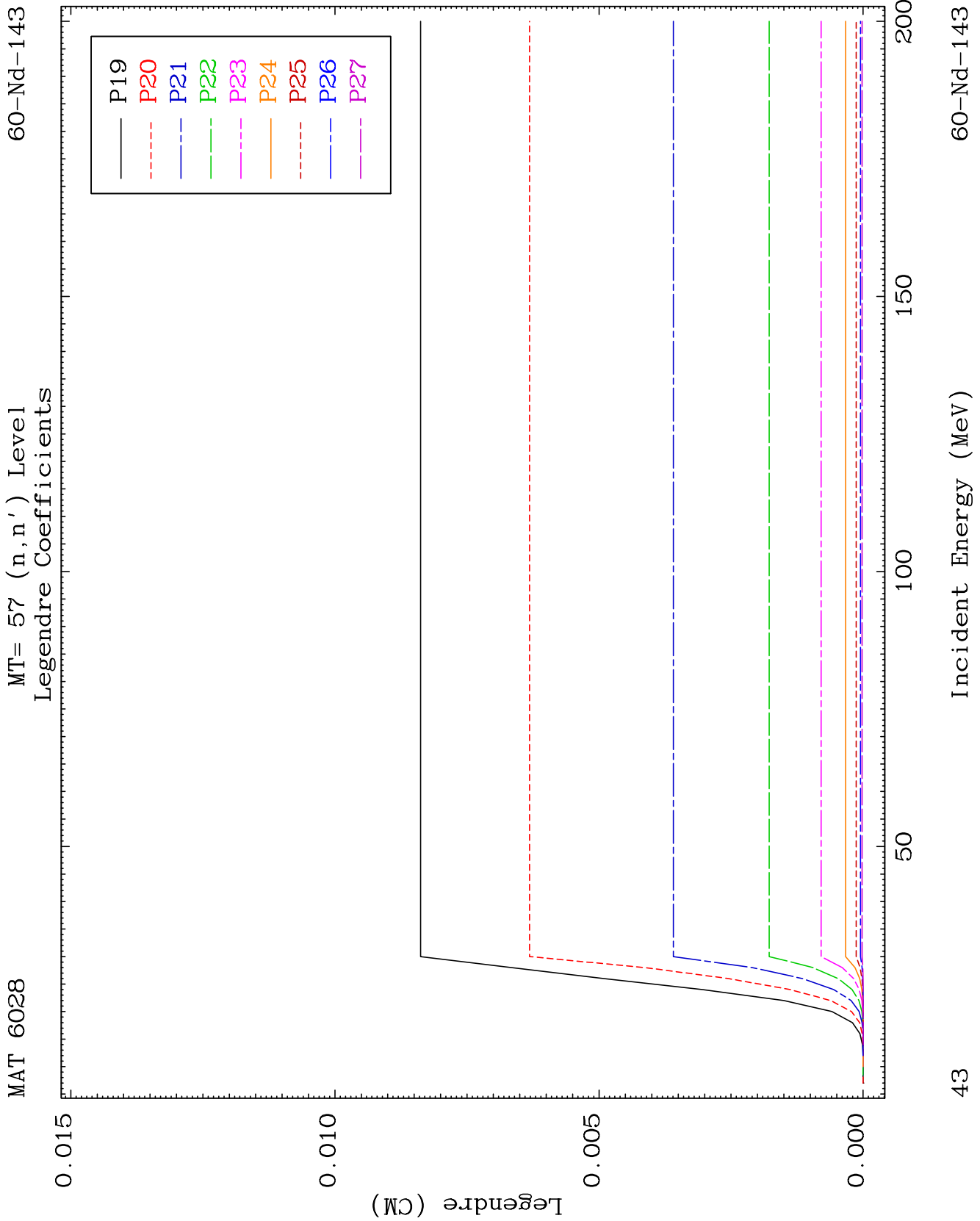


39

Incident Energy (MeV)

60-Nd-143

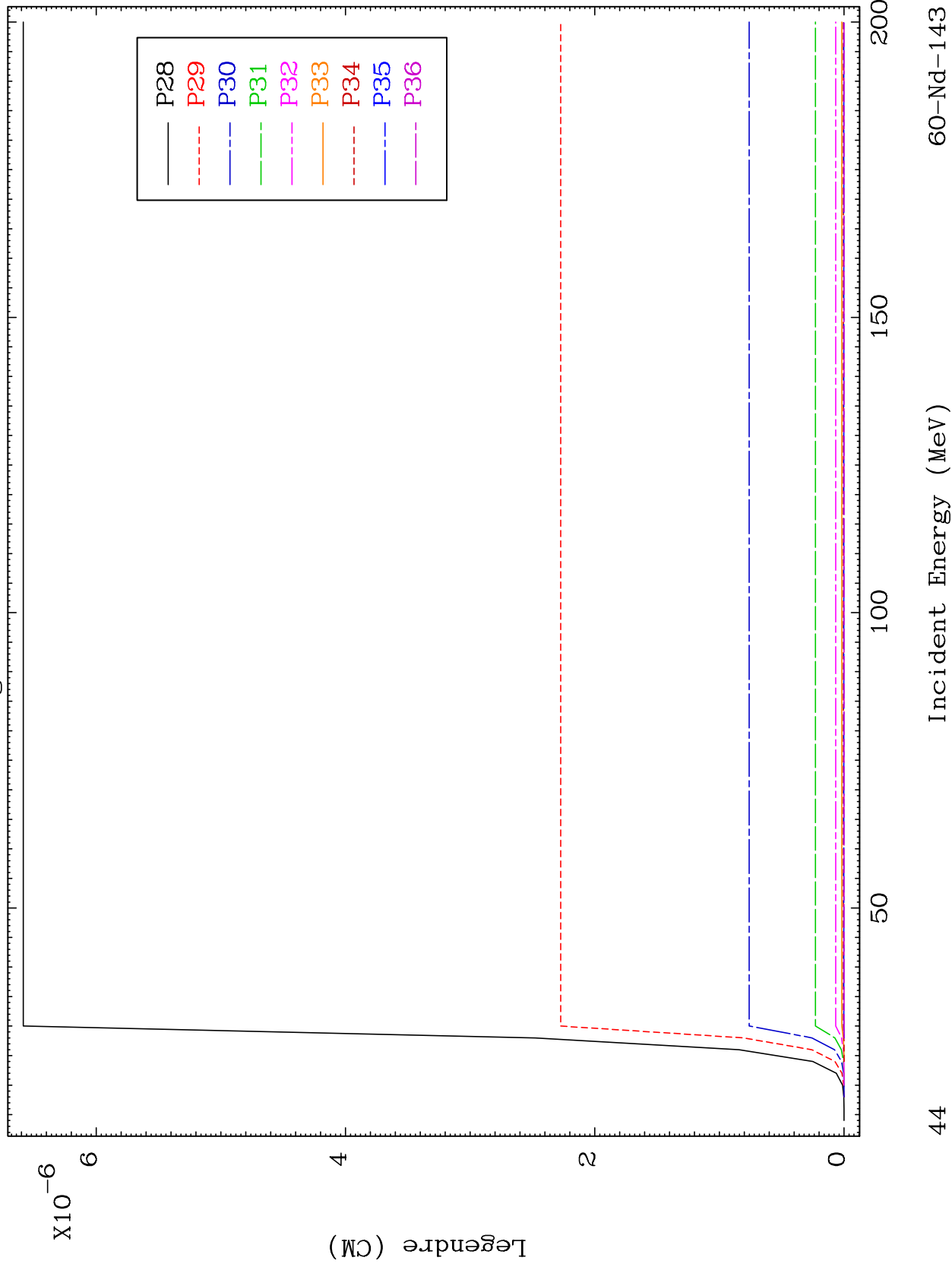




MAT 6028

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

60-Nd-143

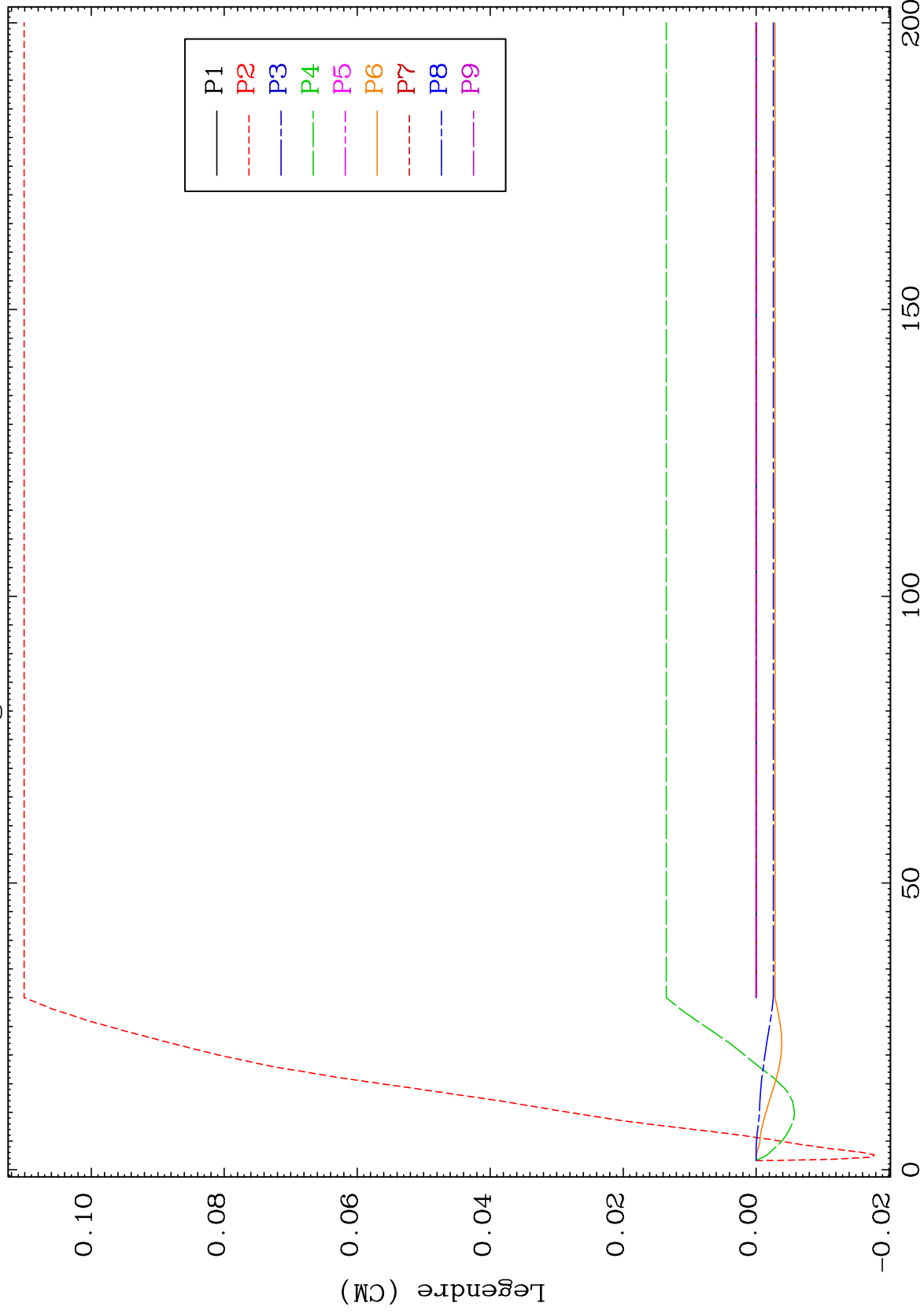


44

MAT 6028

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

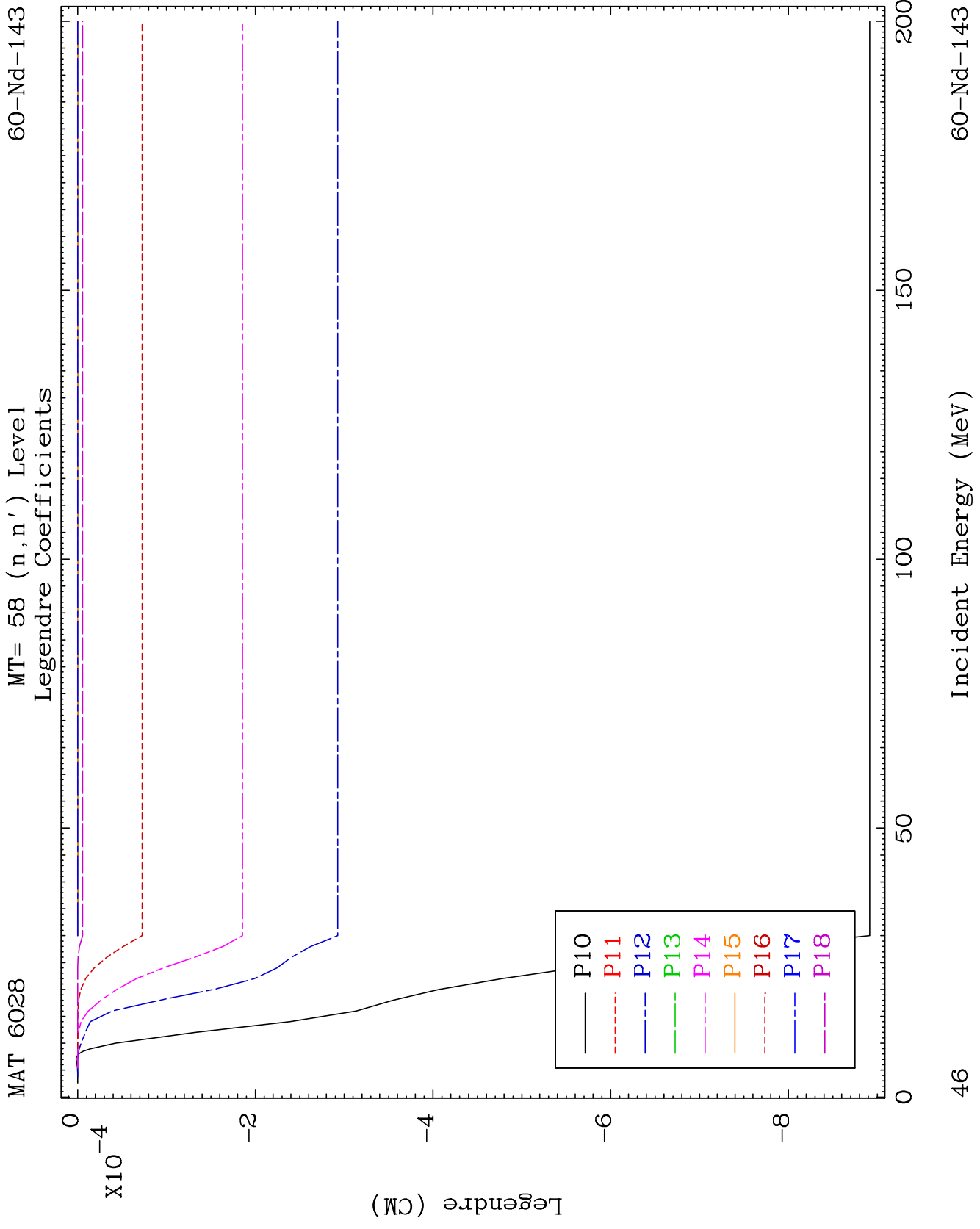
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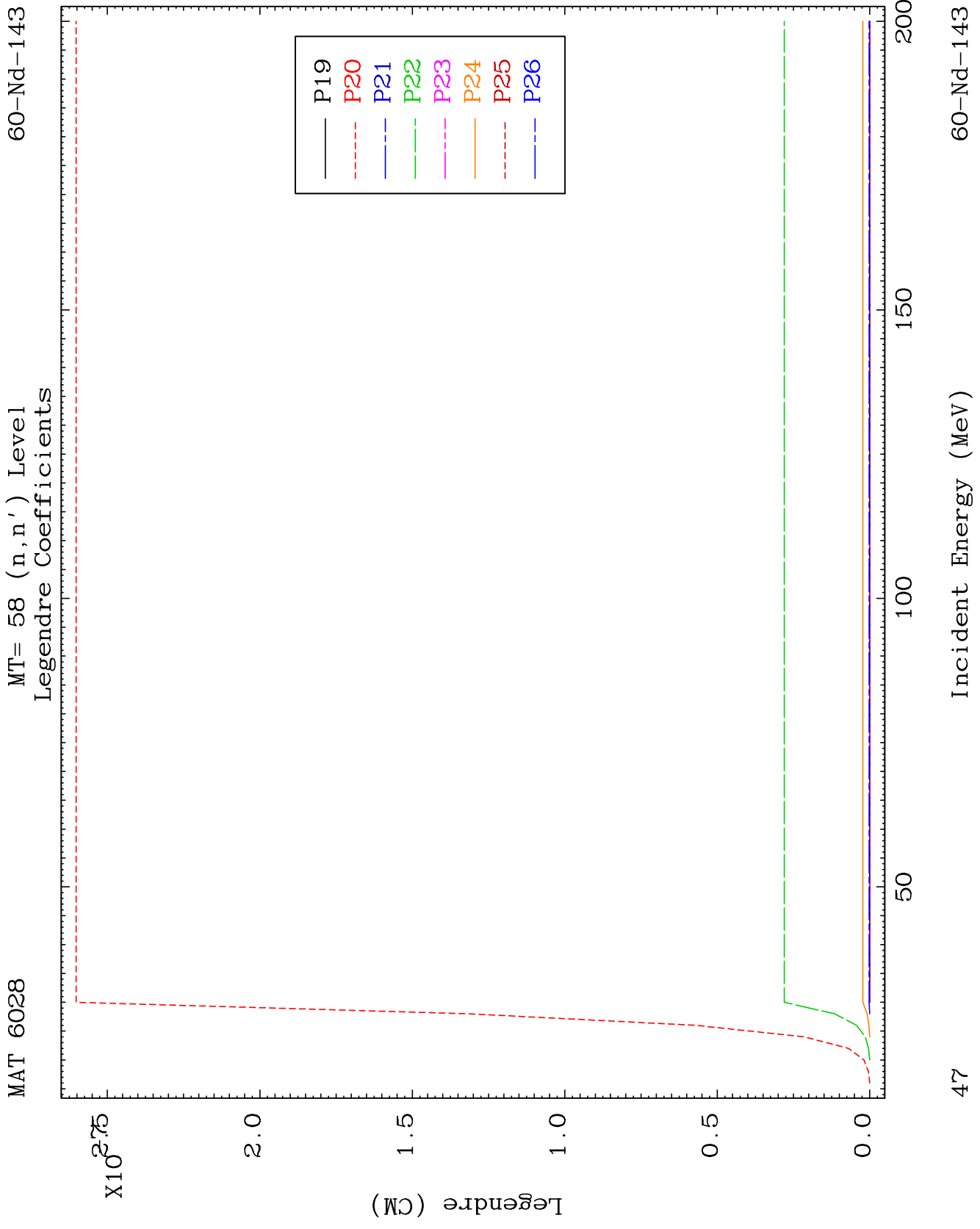


60-Nd-143

Incident Energy (MeV)

45

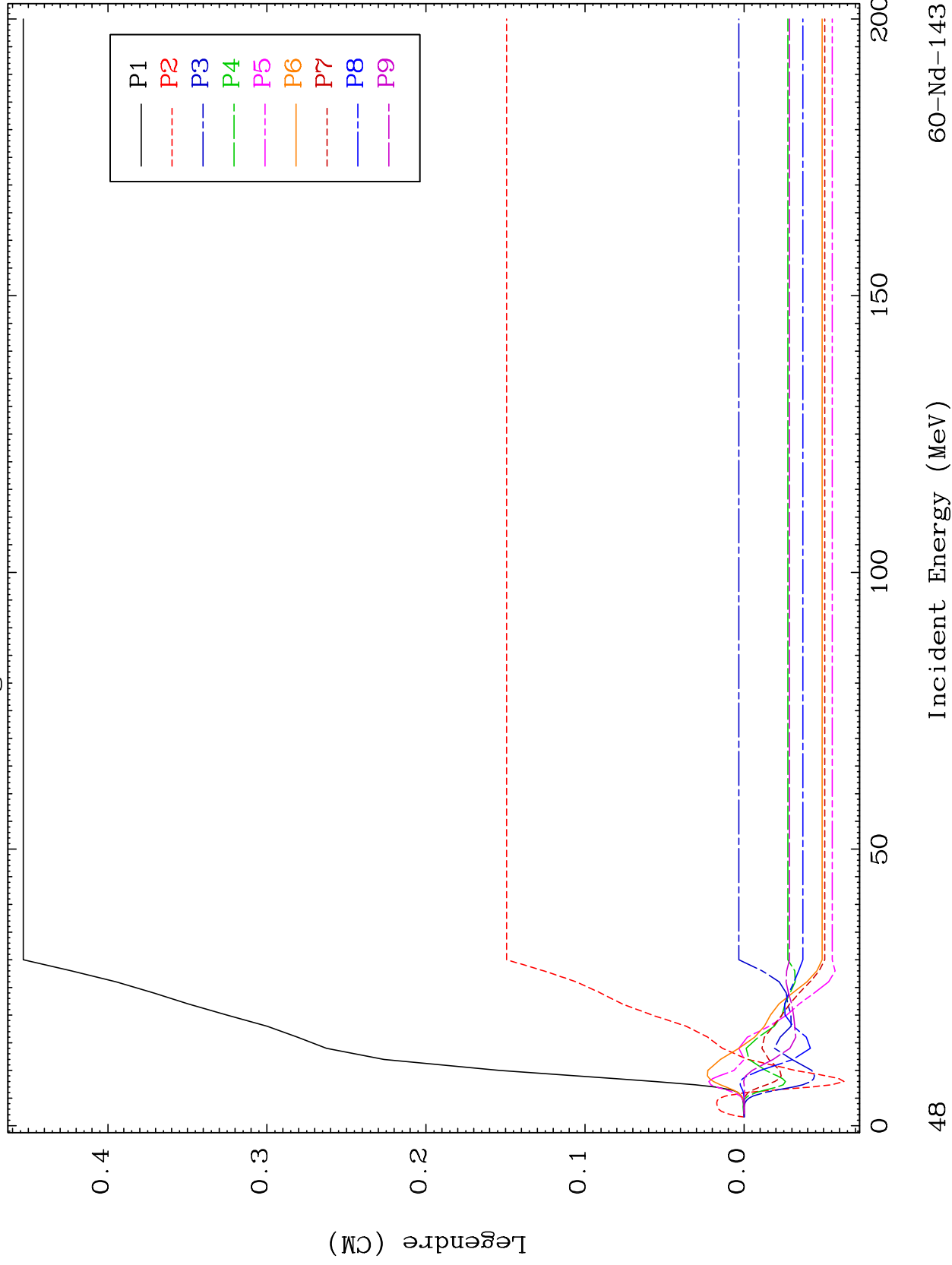




MAT 6028

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

60-Nd-143



60-Nd-143

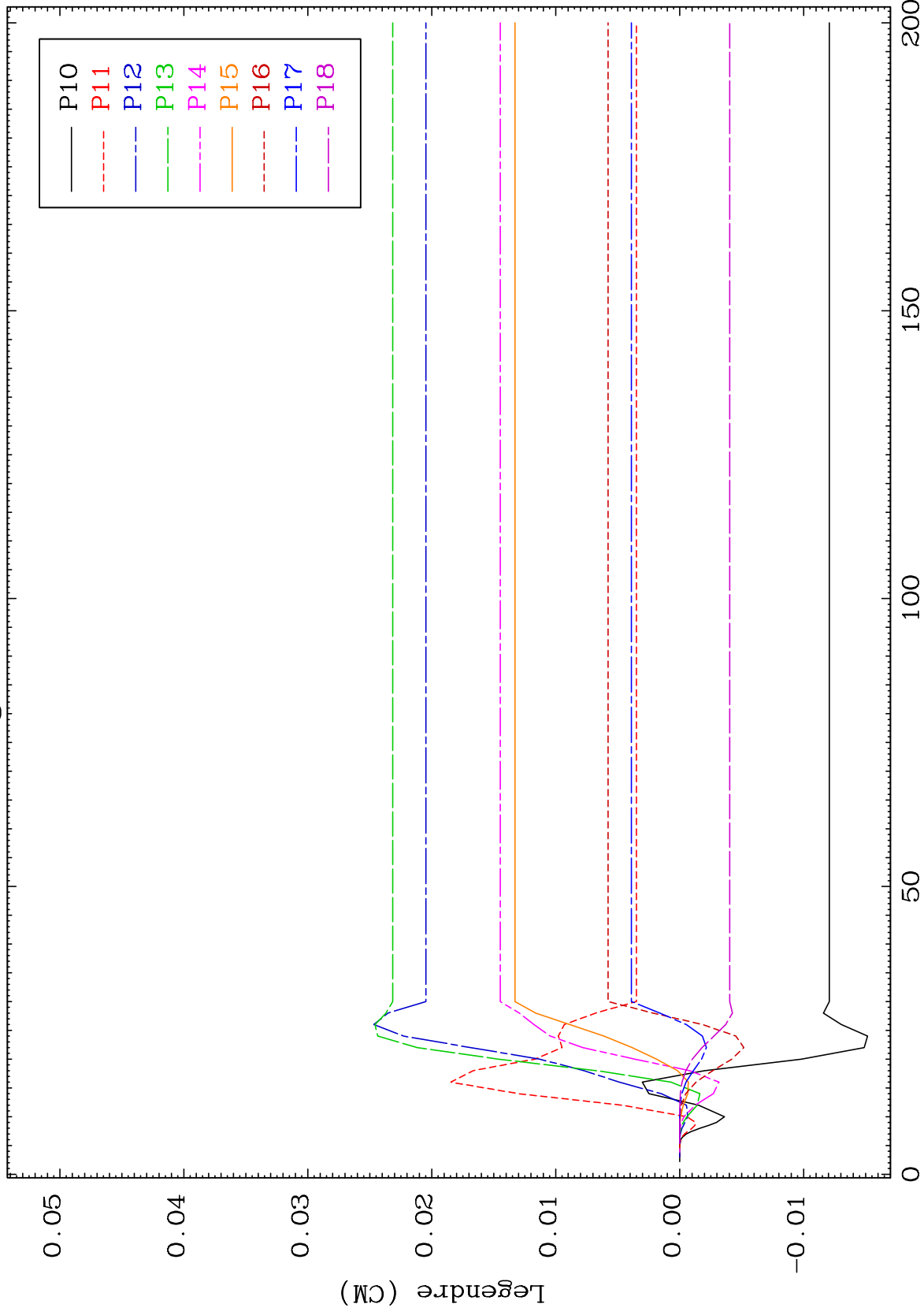
Incident Energy (MeV)

48

MAT 6028

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

60-Nd-143



49

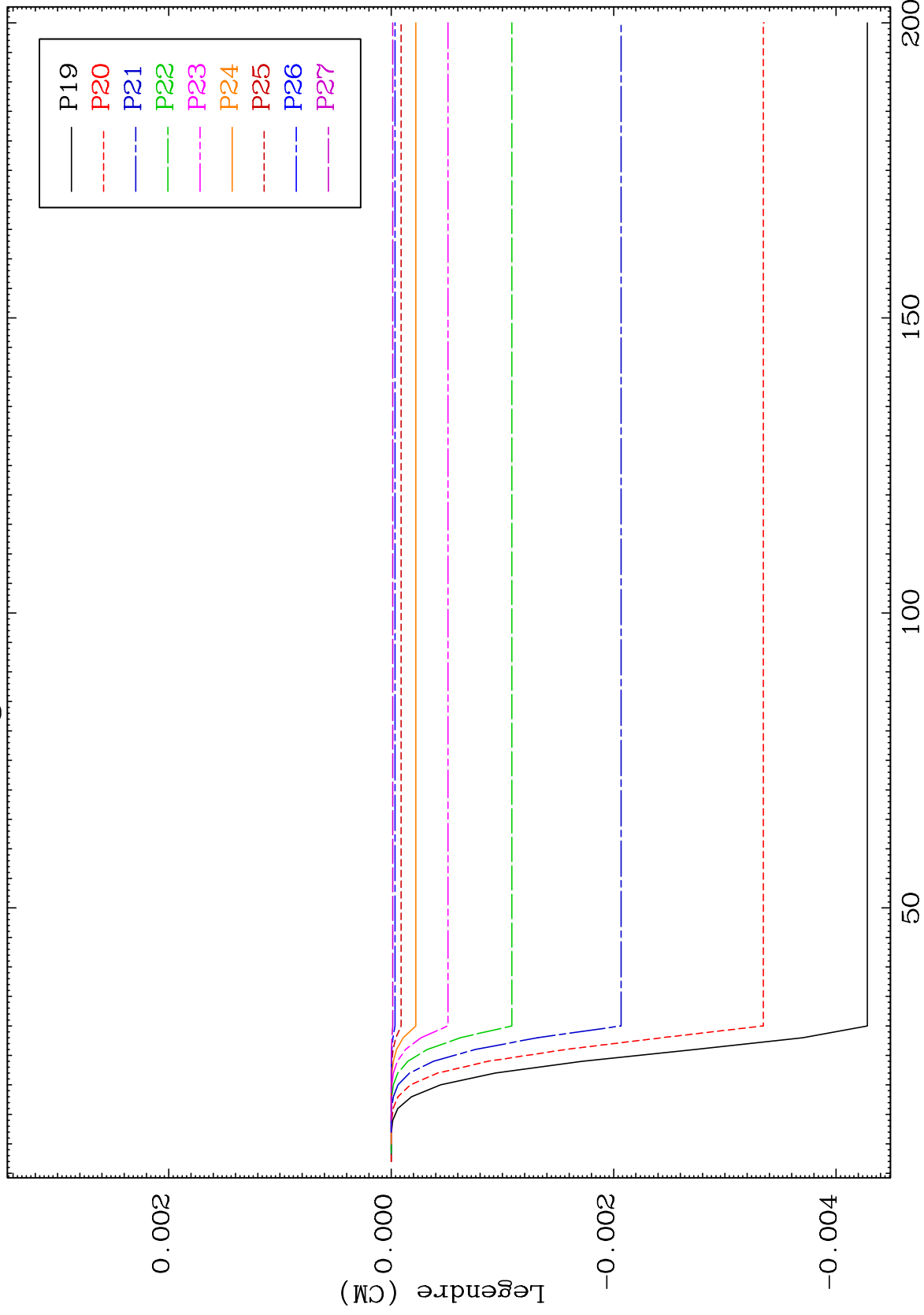
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

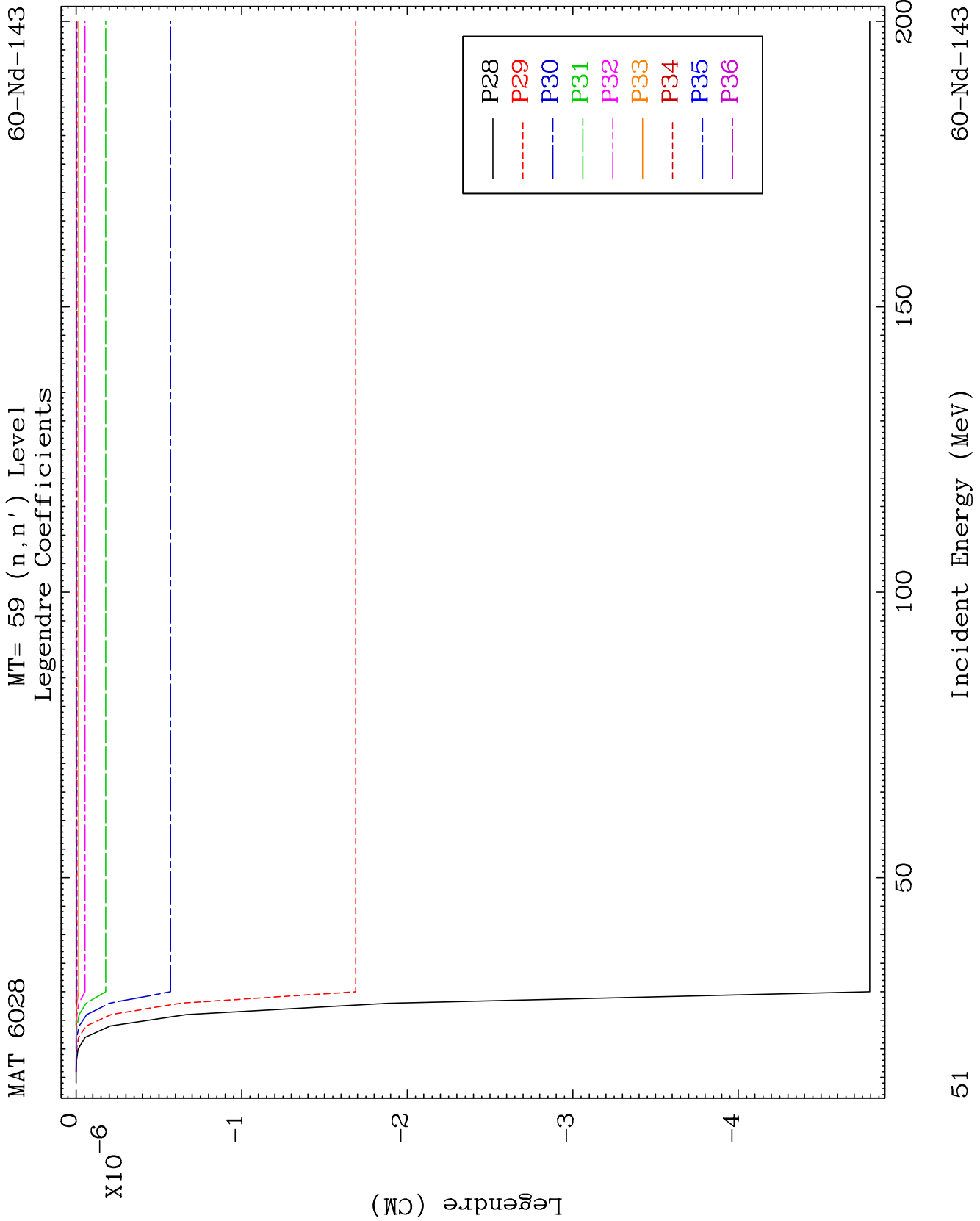
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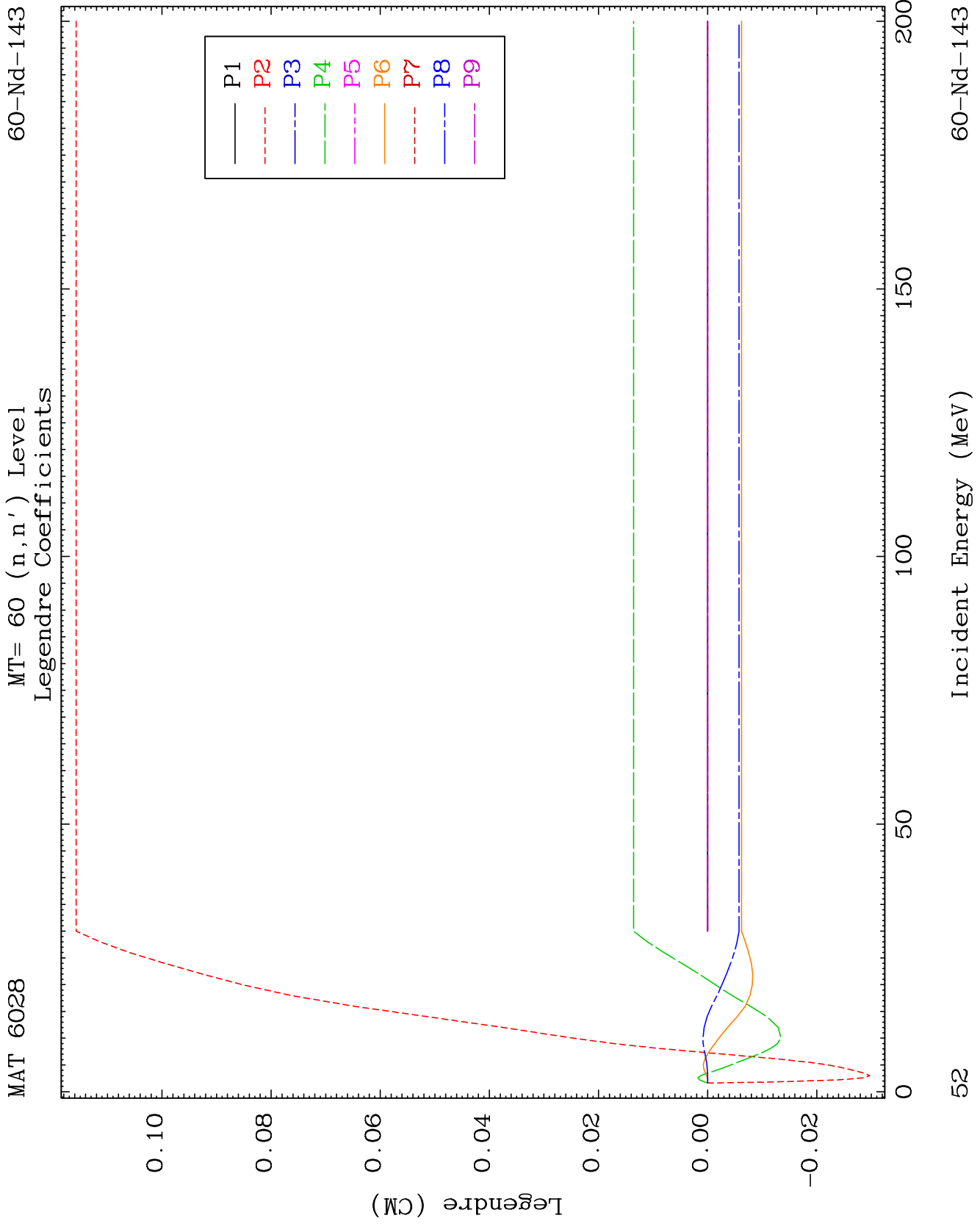


50

Incident Energy (MeV)

60-Nd-143

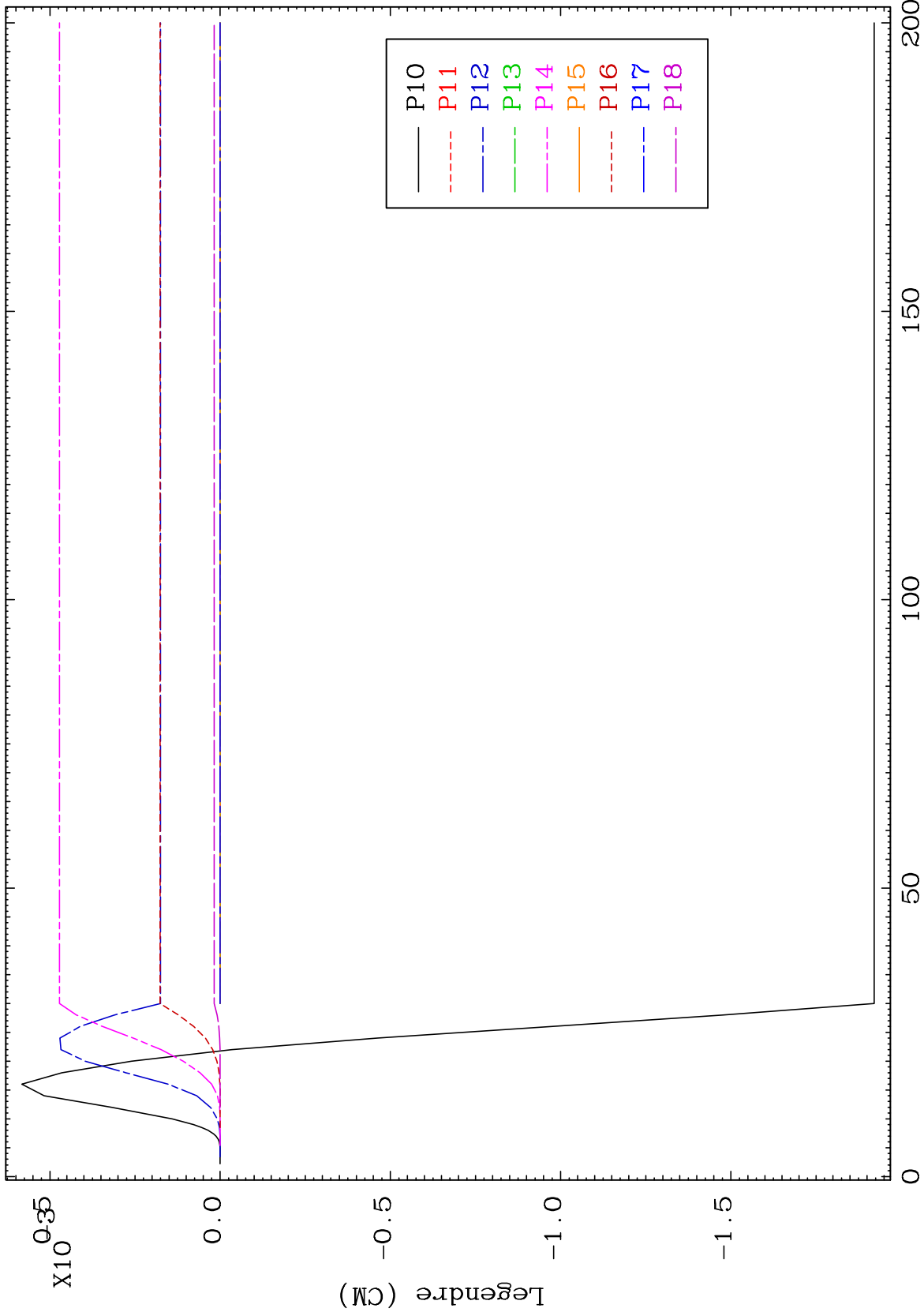




MAT 6028

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

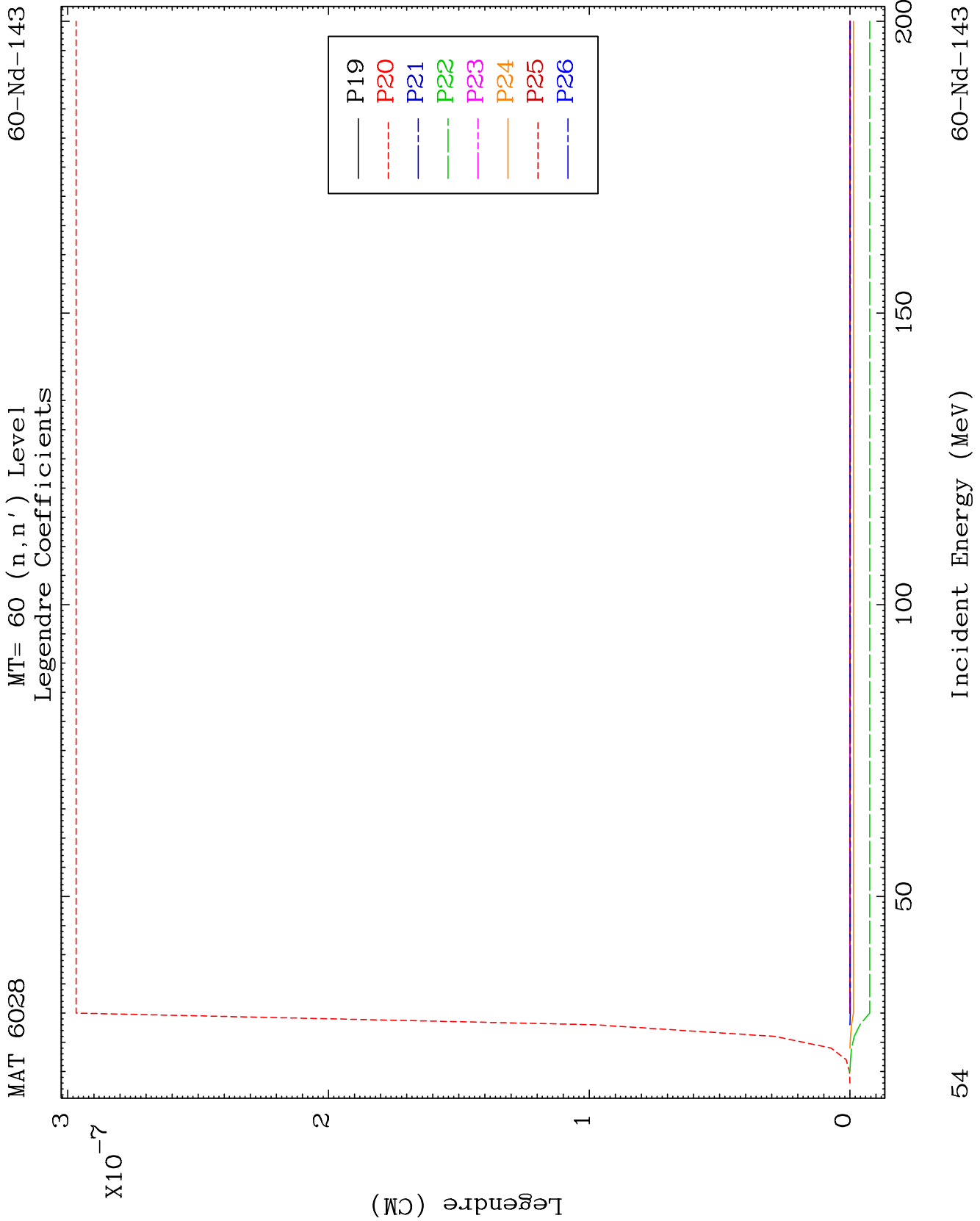
60-Nd-143

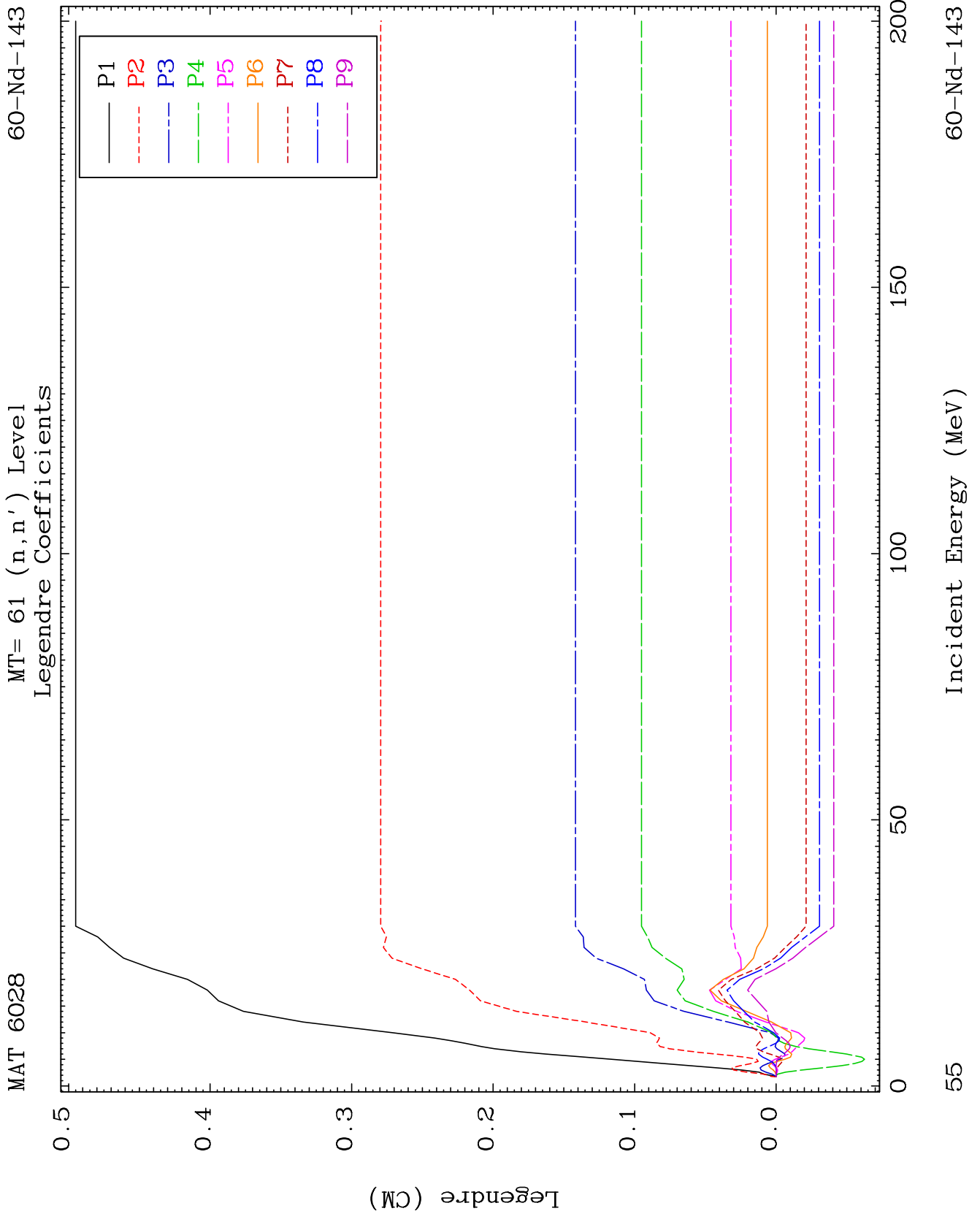


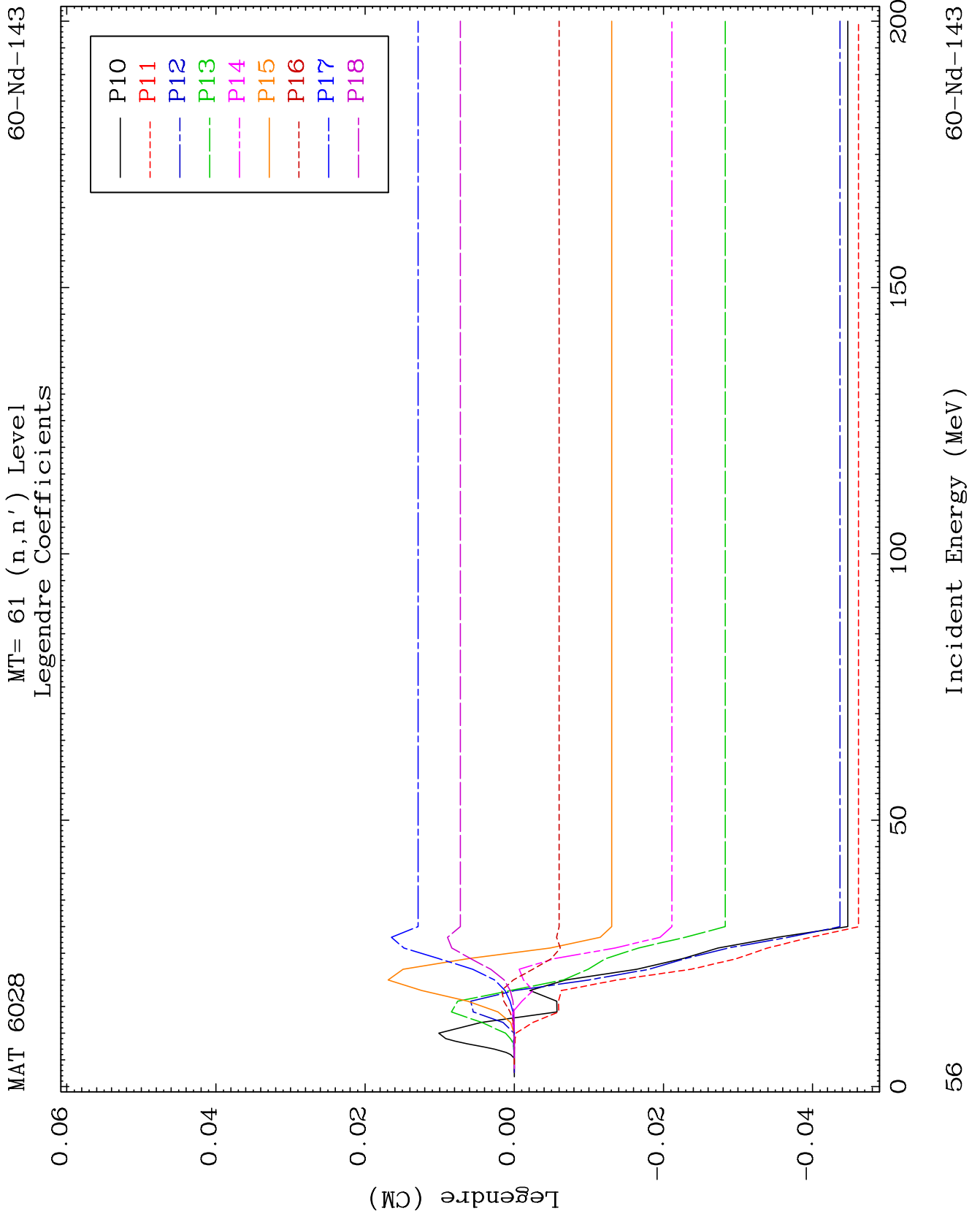
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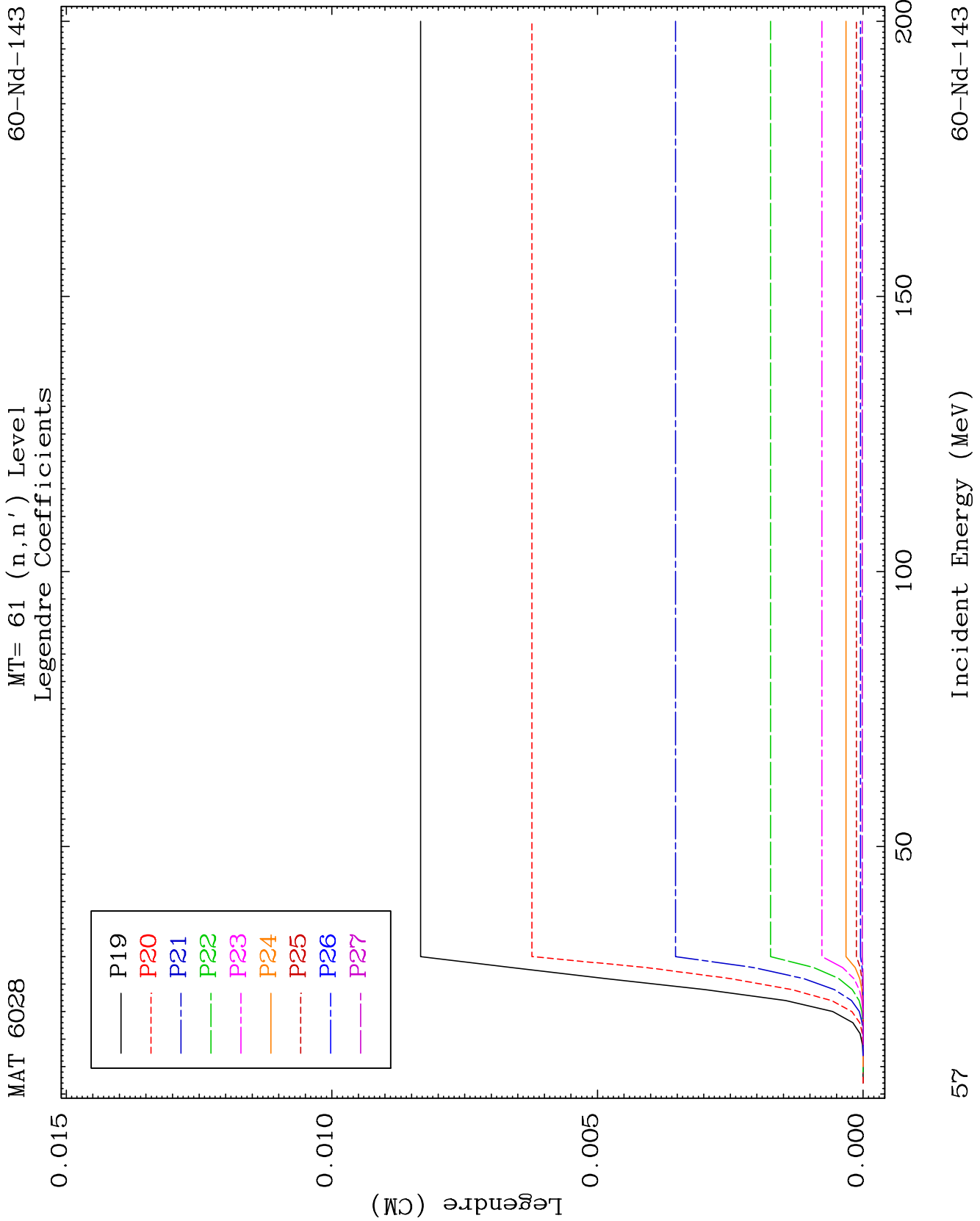
Incident Energy (MeV)

60-Nd-143





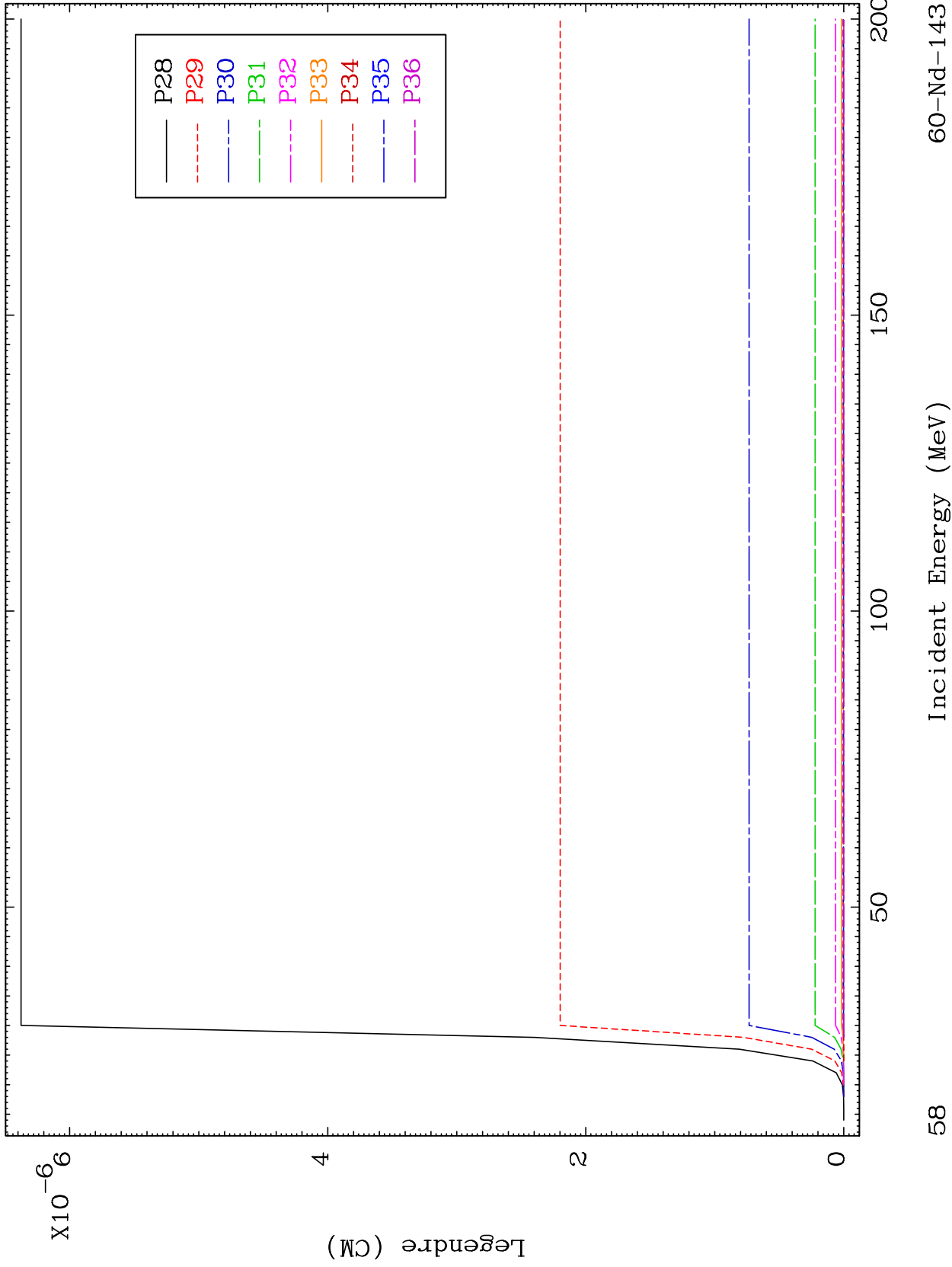




MAT 6028

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

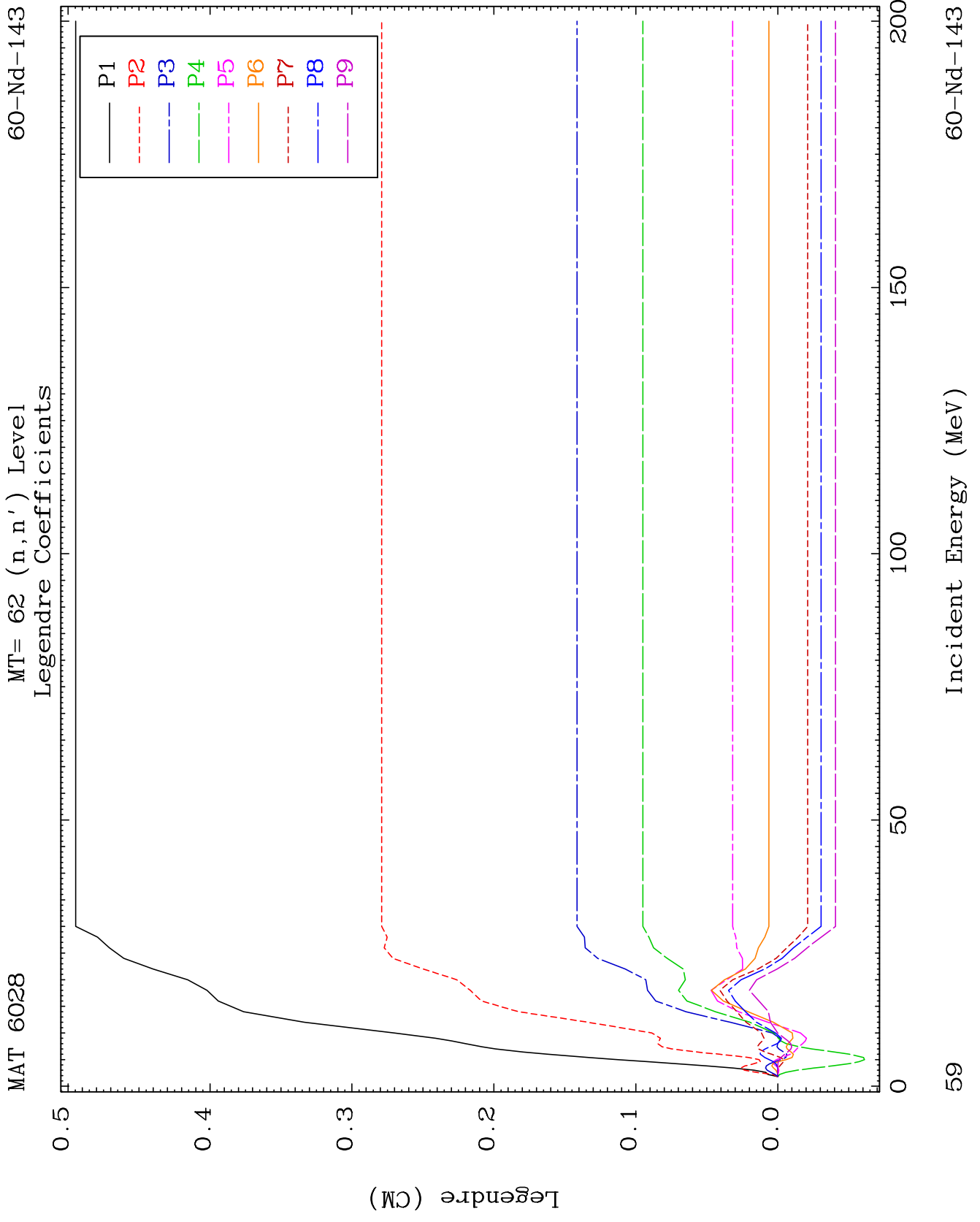
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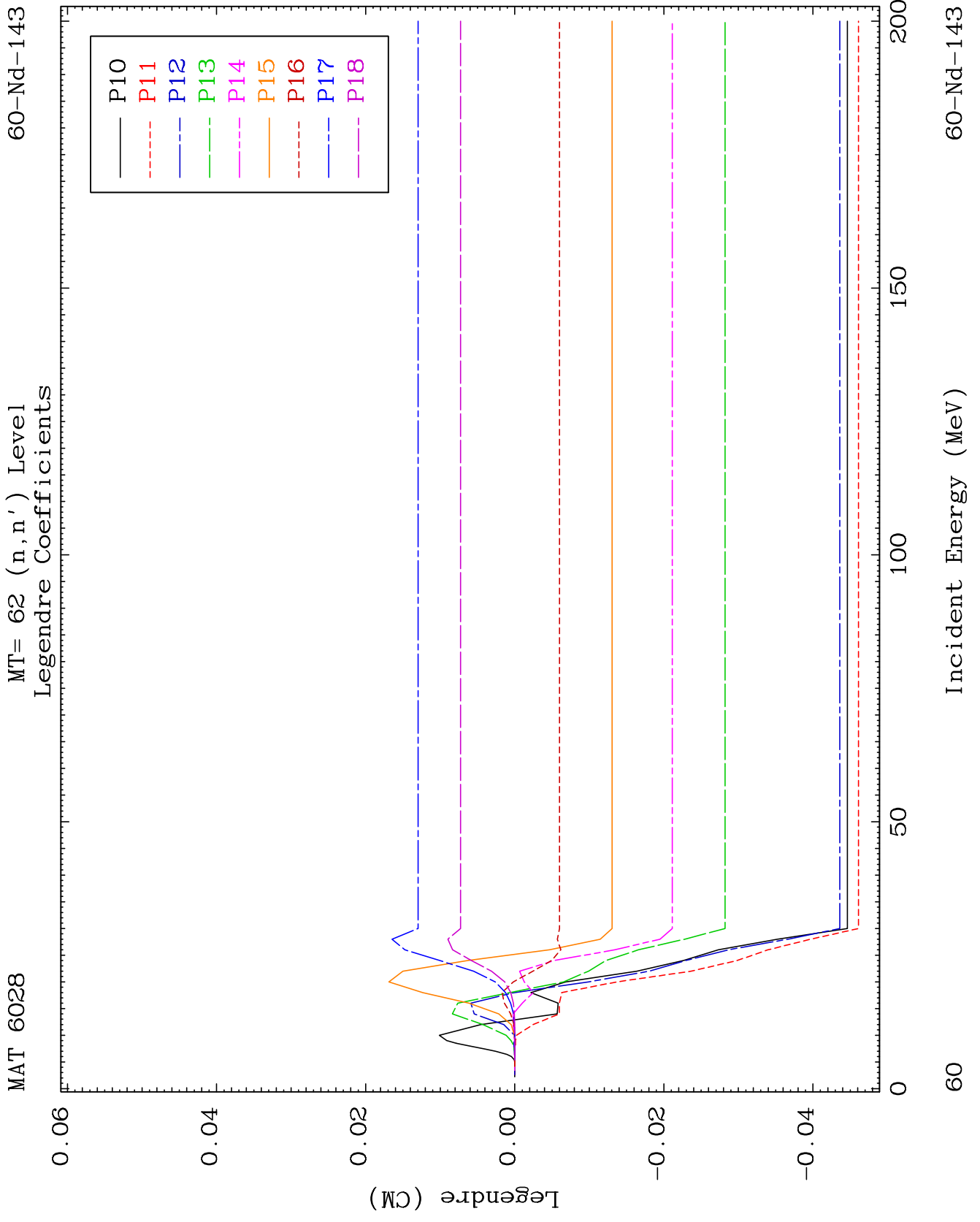


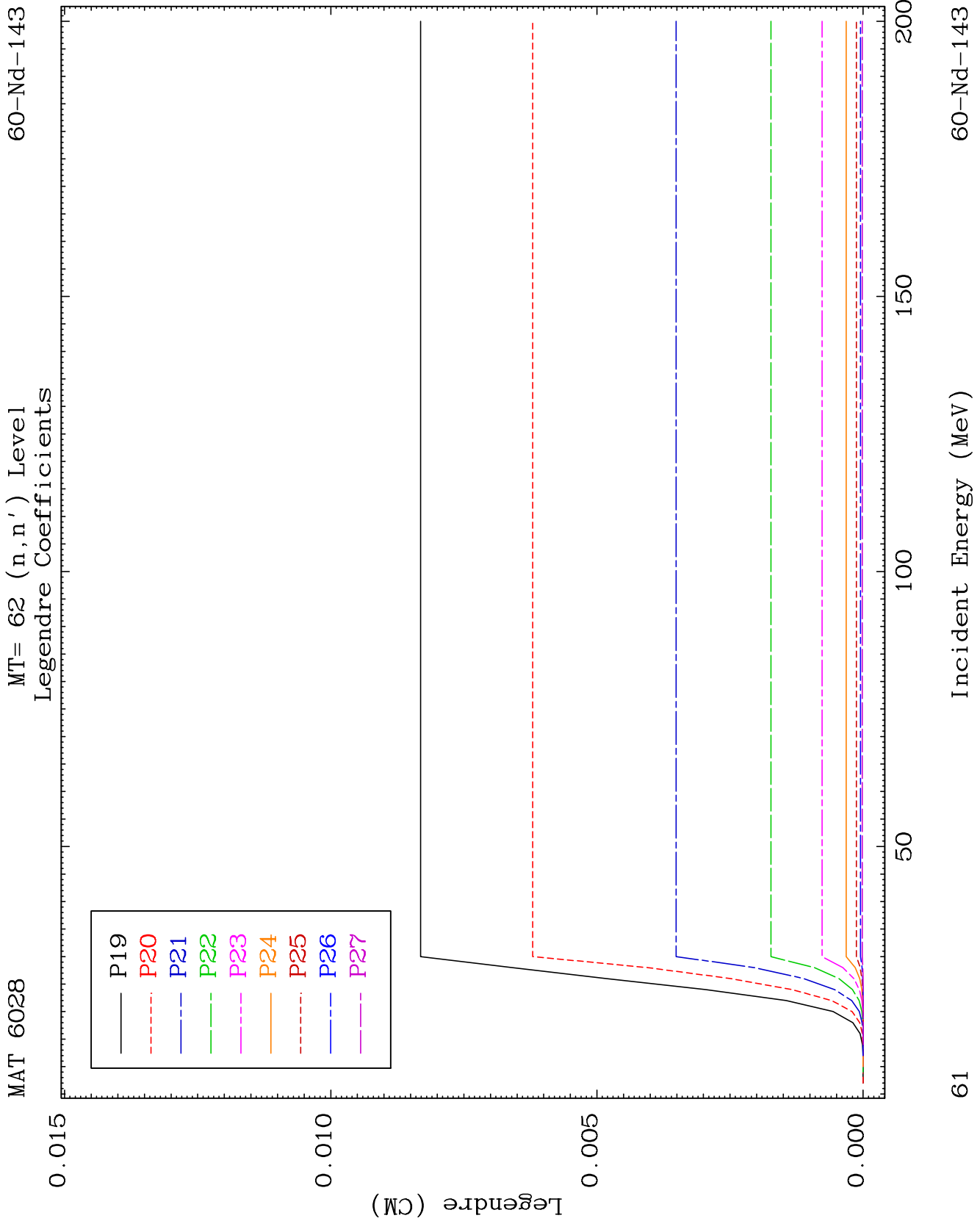
58

Incident Energy (MeV)

60-Nd-143



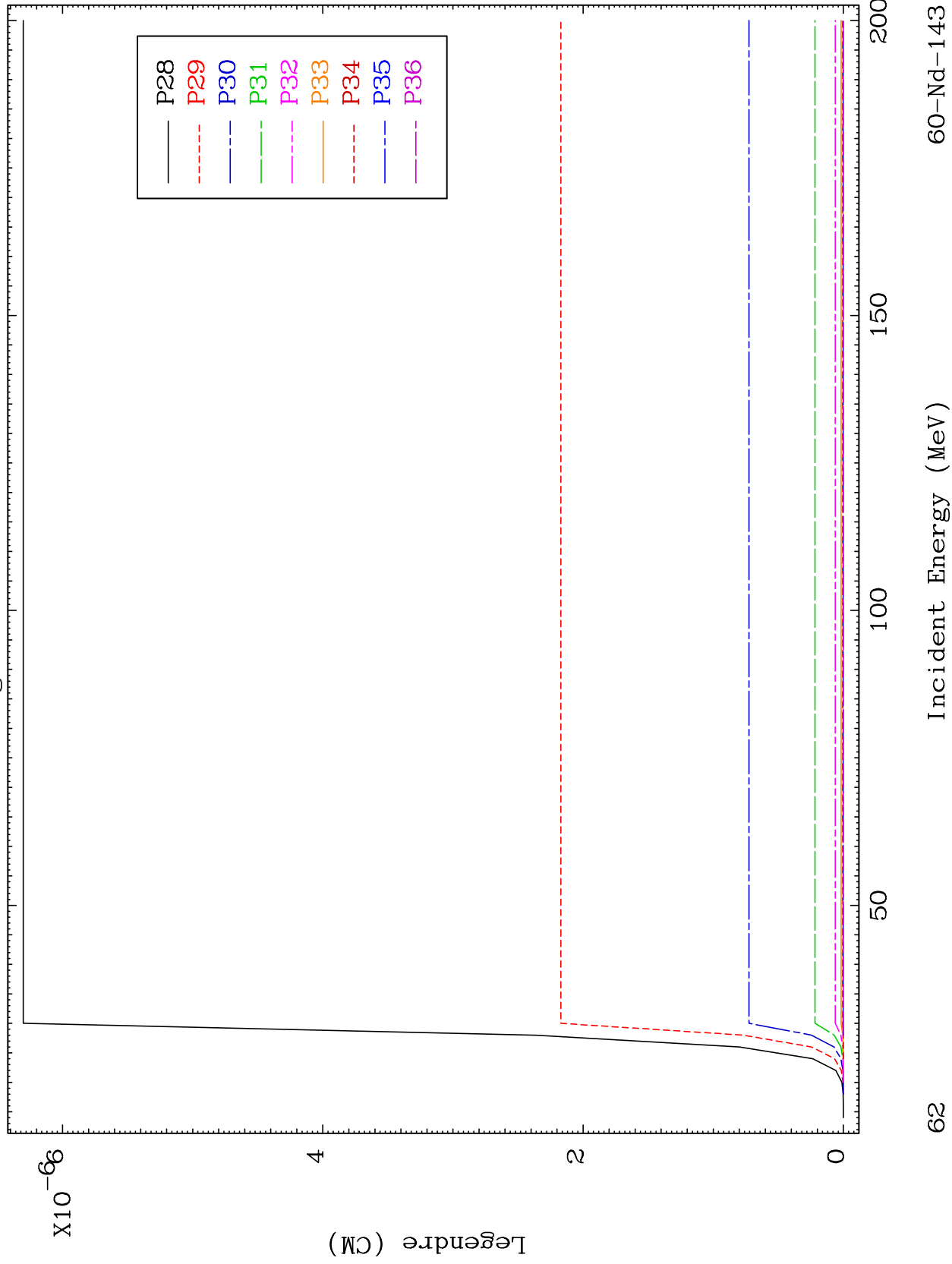


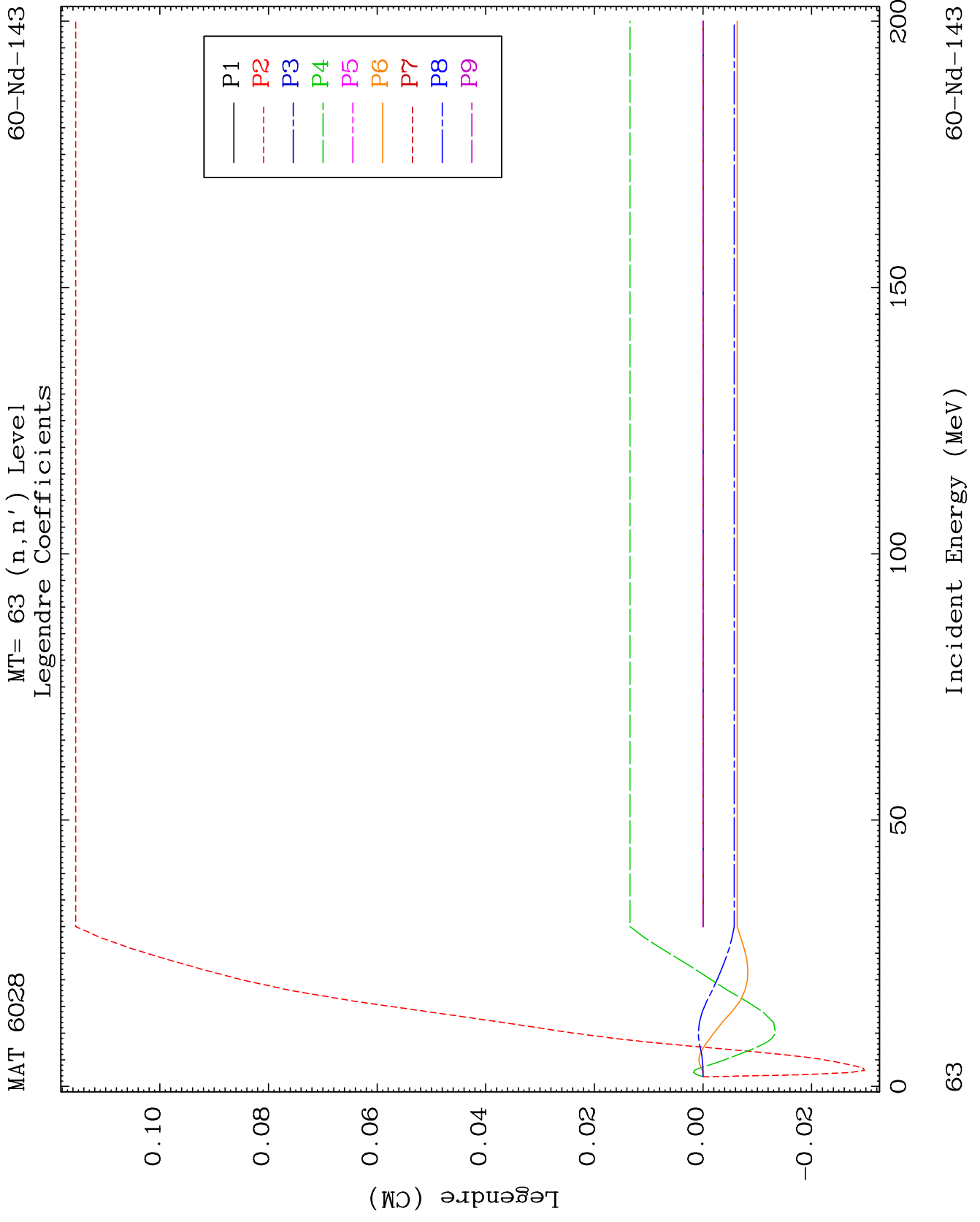


MAT 6028

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

60-Nd-143

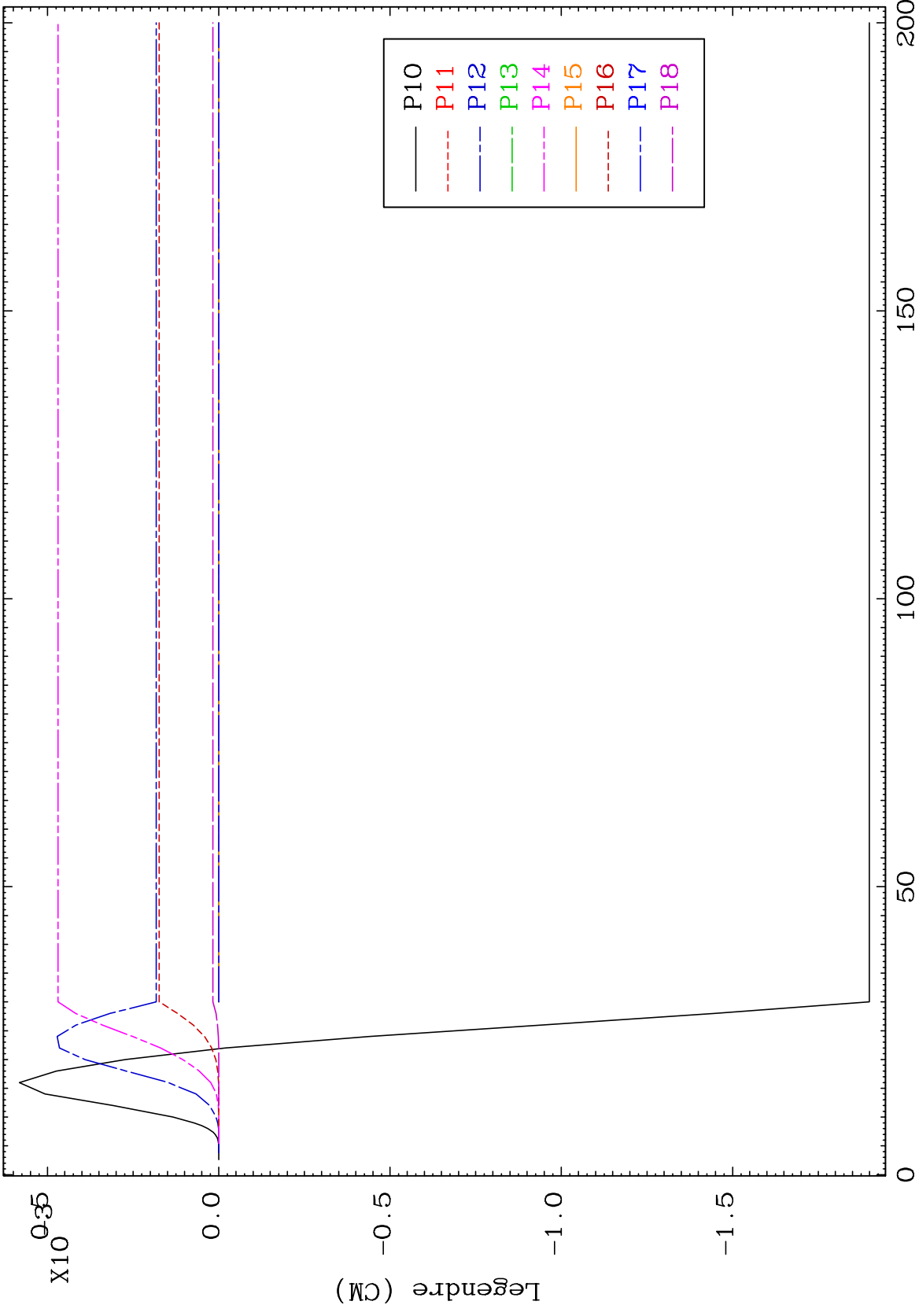




MAT 6028

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

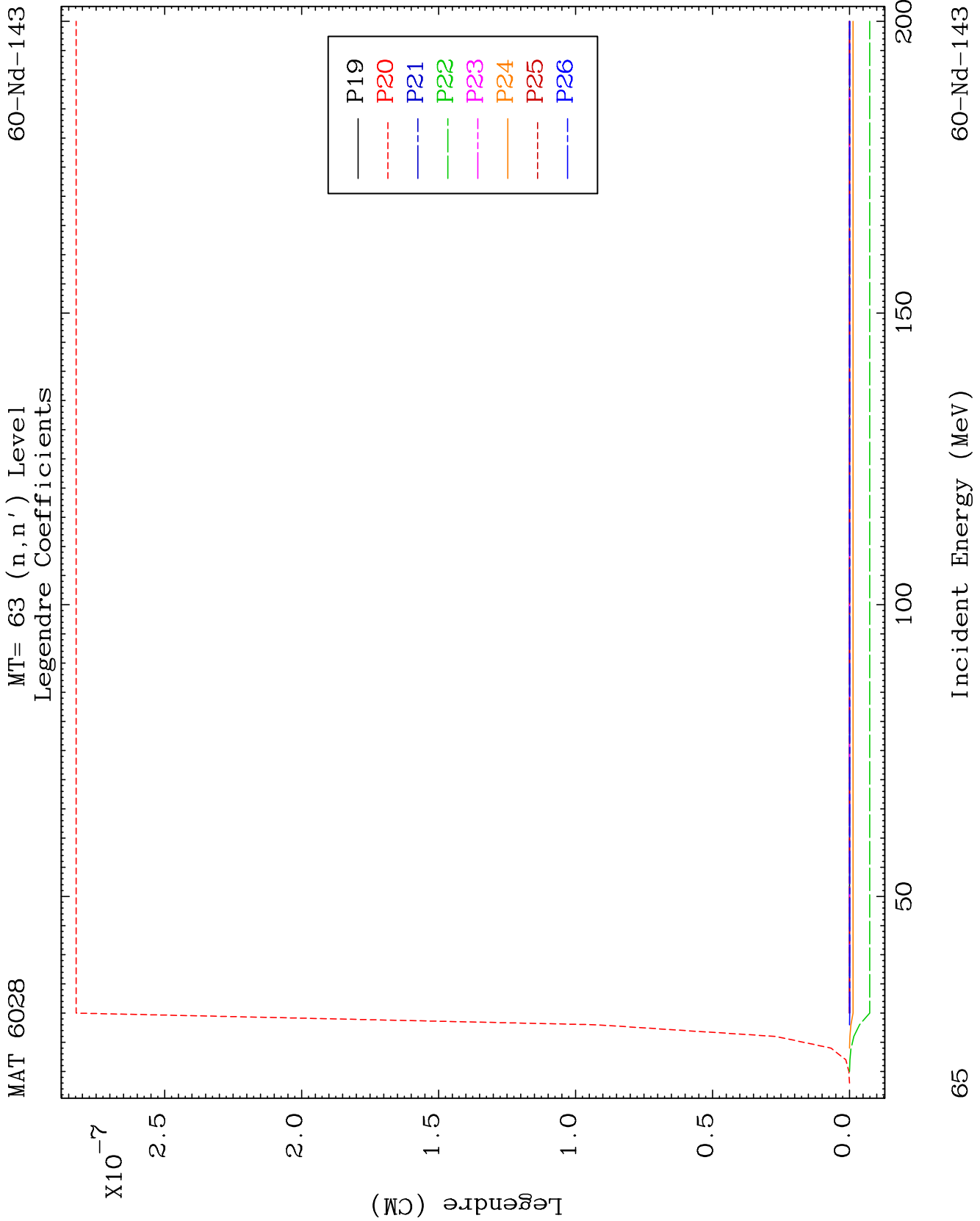
60-Nd-143

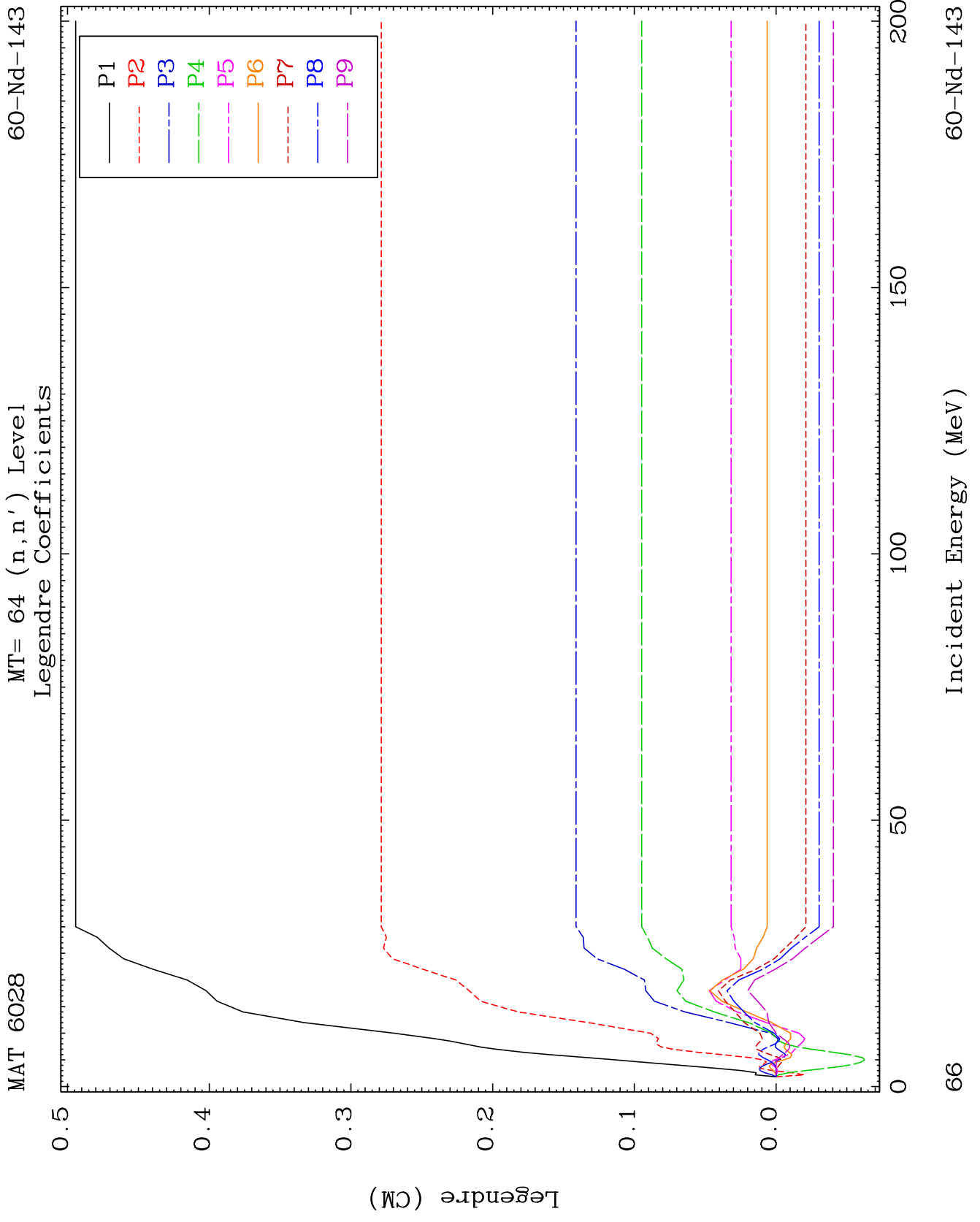


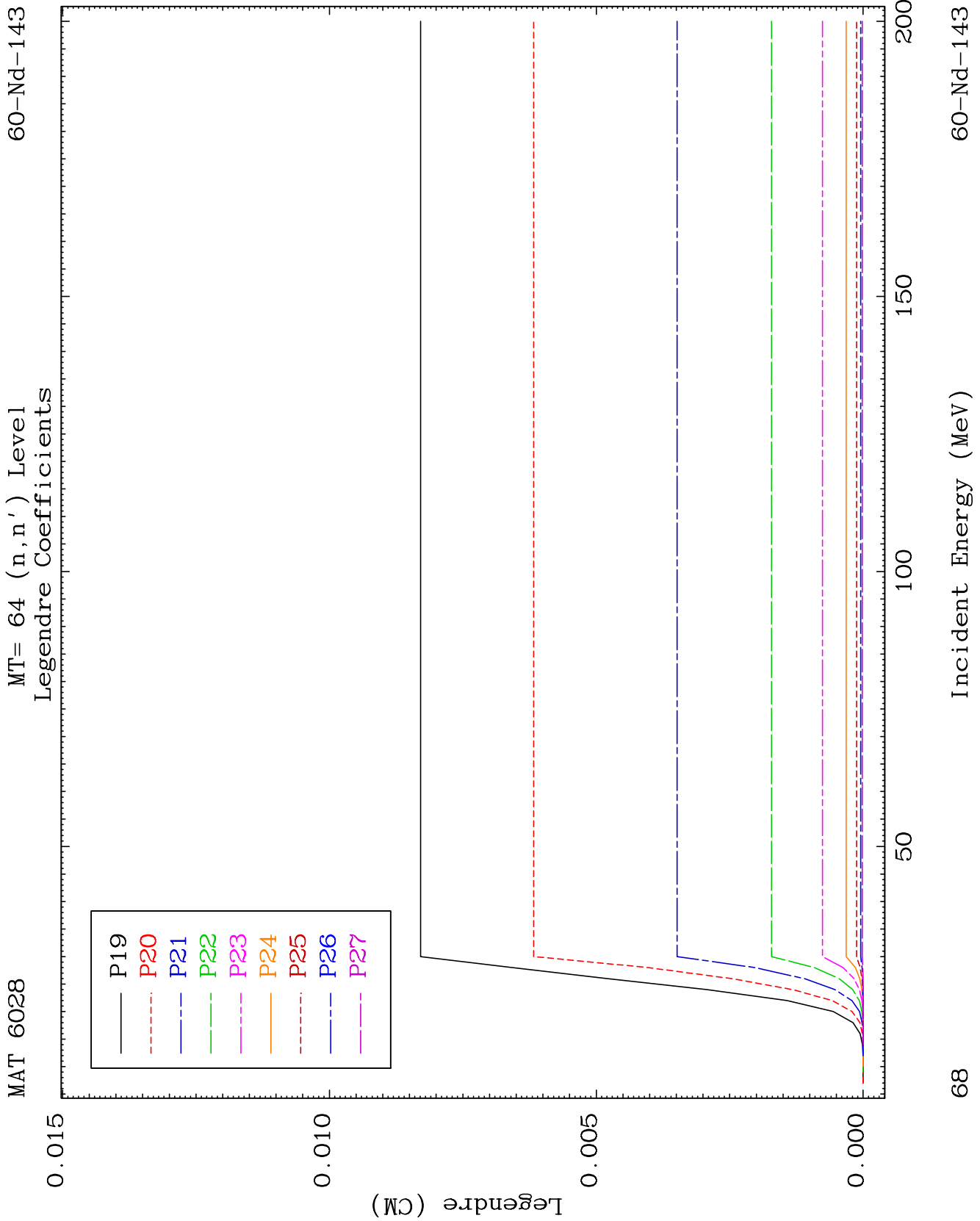
64

Incident Energy (MeV)

60-Nd-143



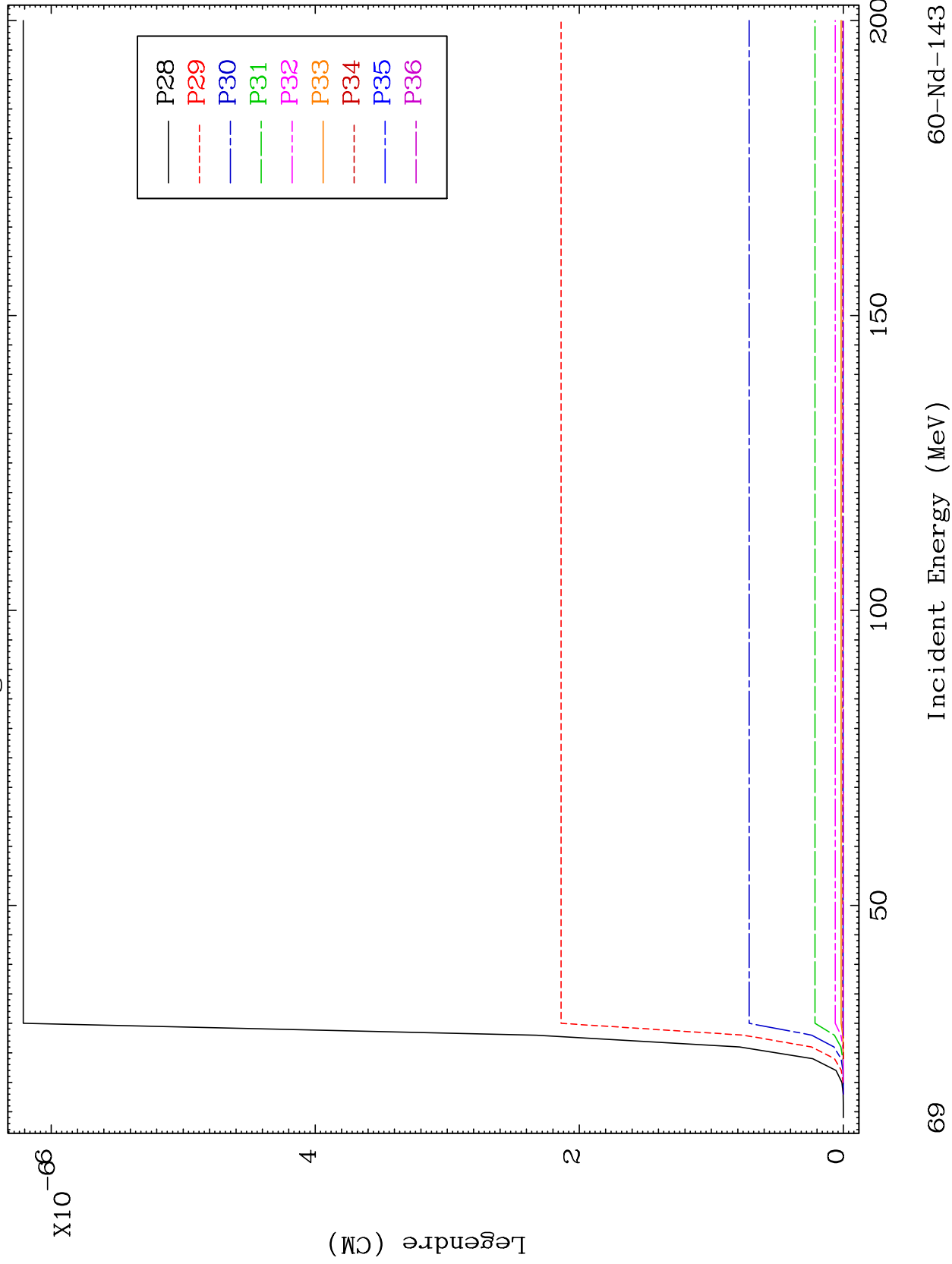


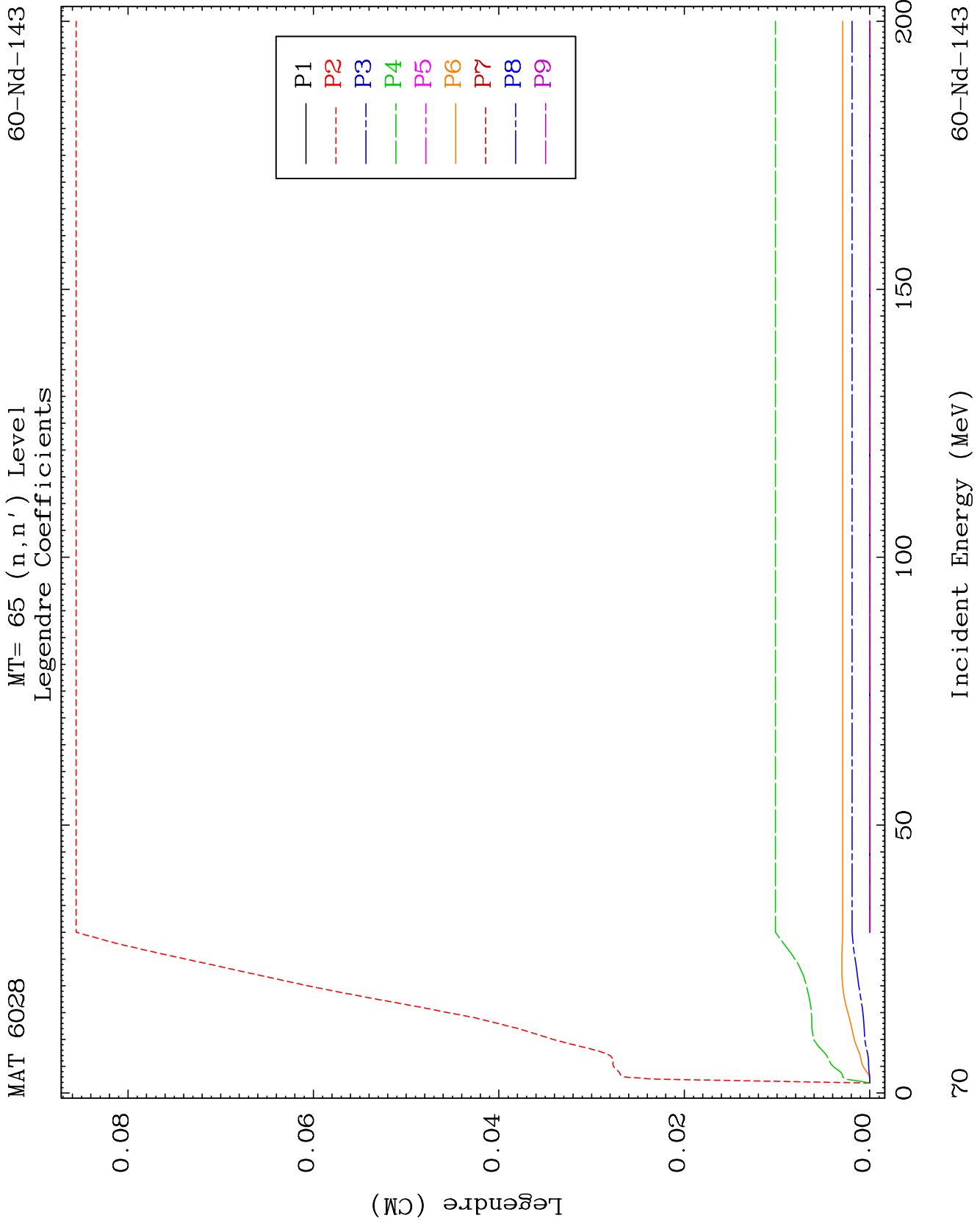


MAT 6028

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

60-Nd-143

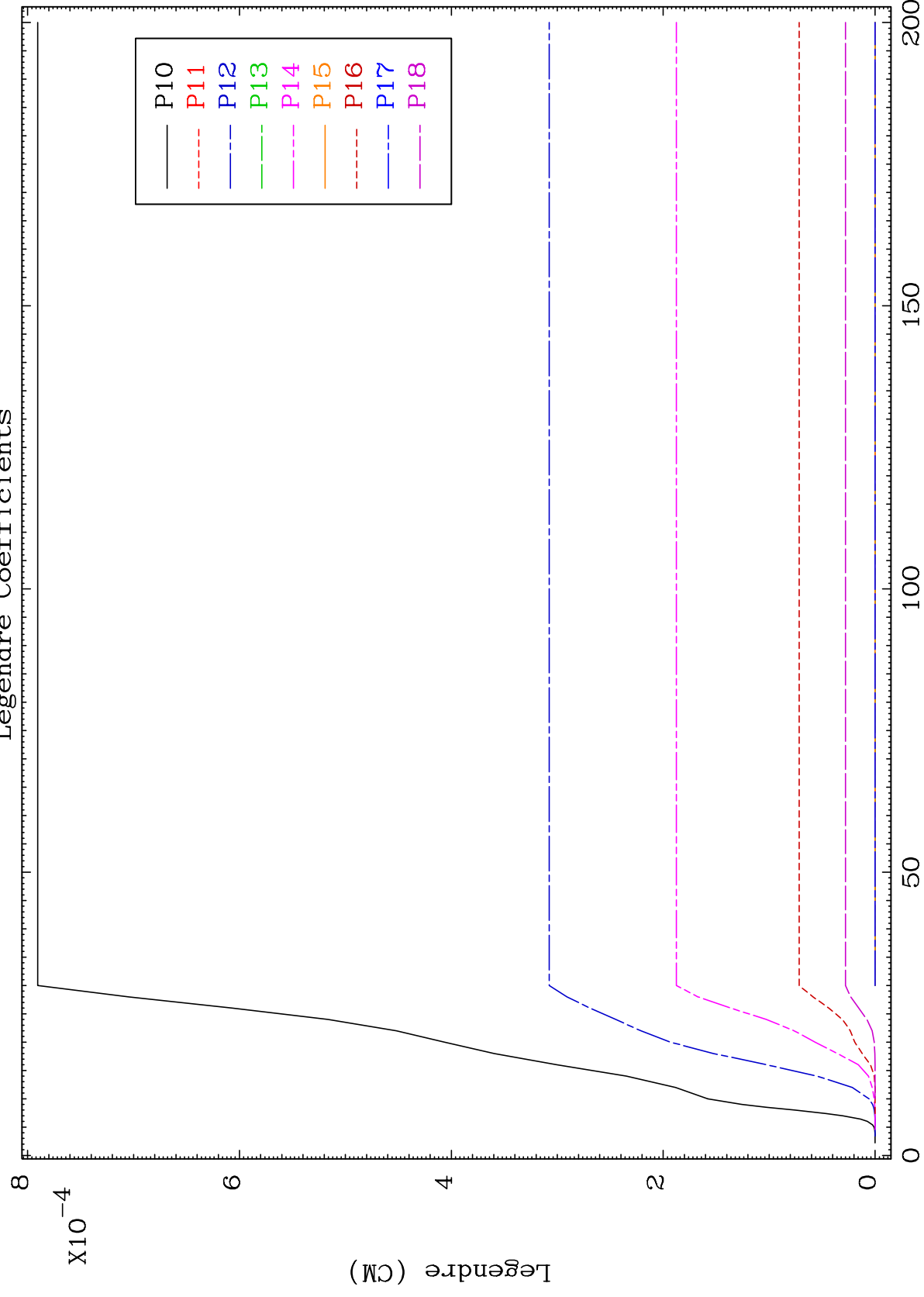




MAT 6028

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

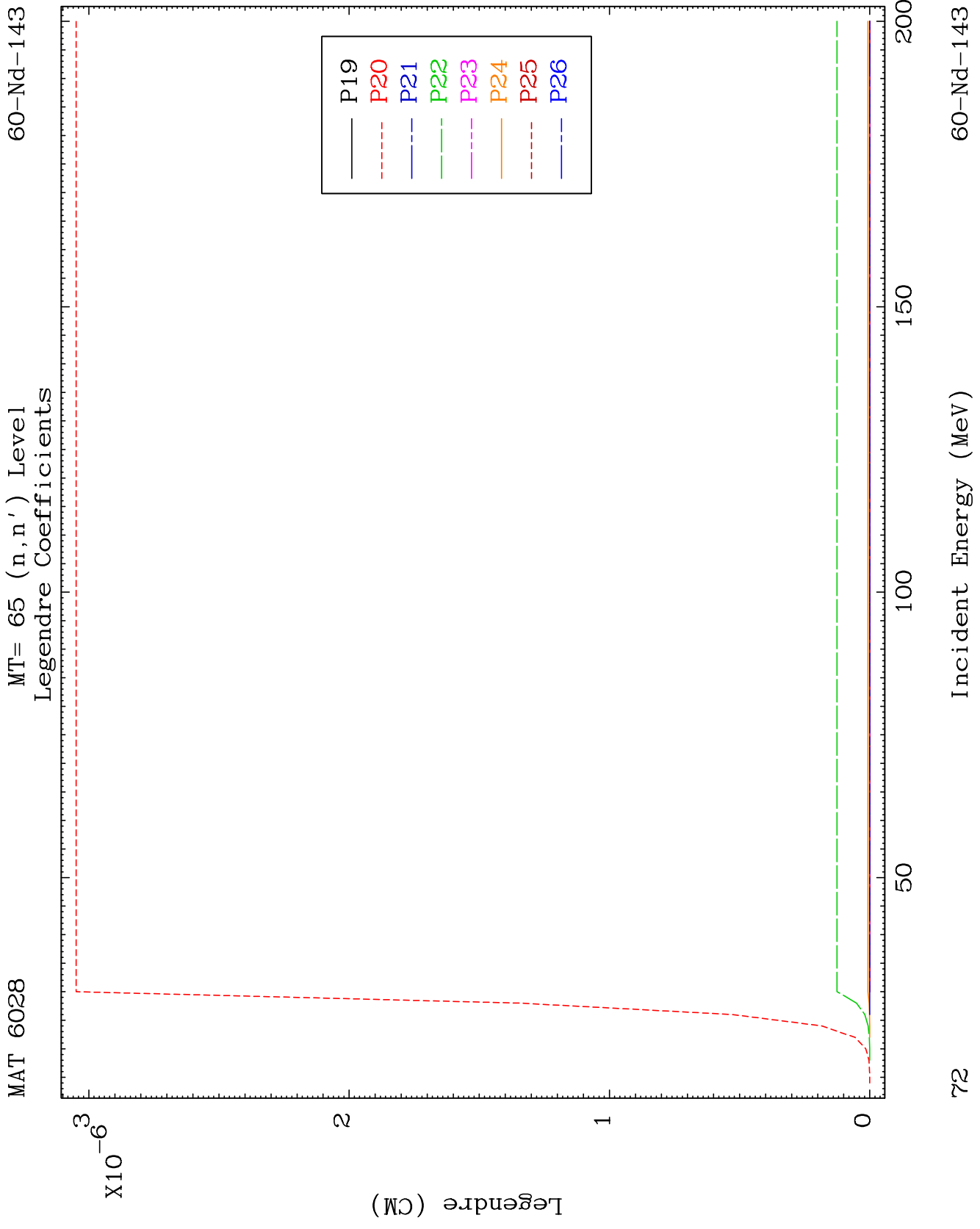
60-Nd-143



71

Incident Energy (MeV)

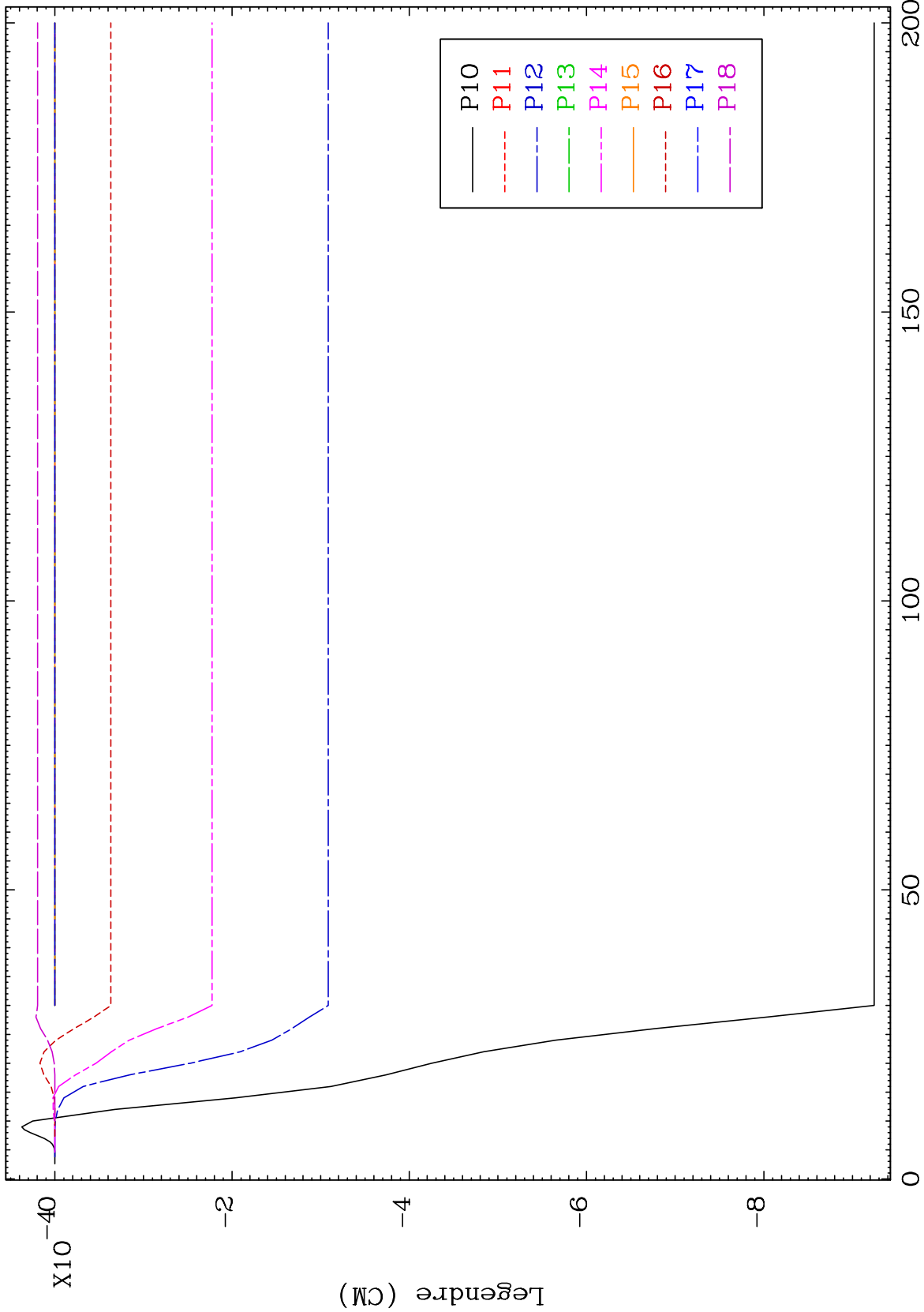
60-Nd-143



MAT 6028

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

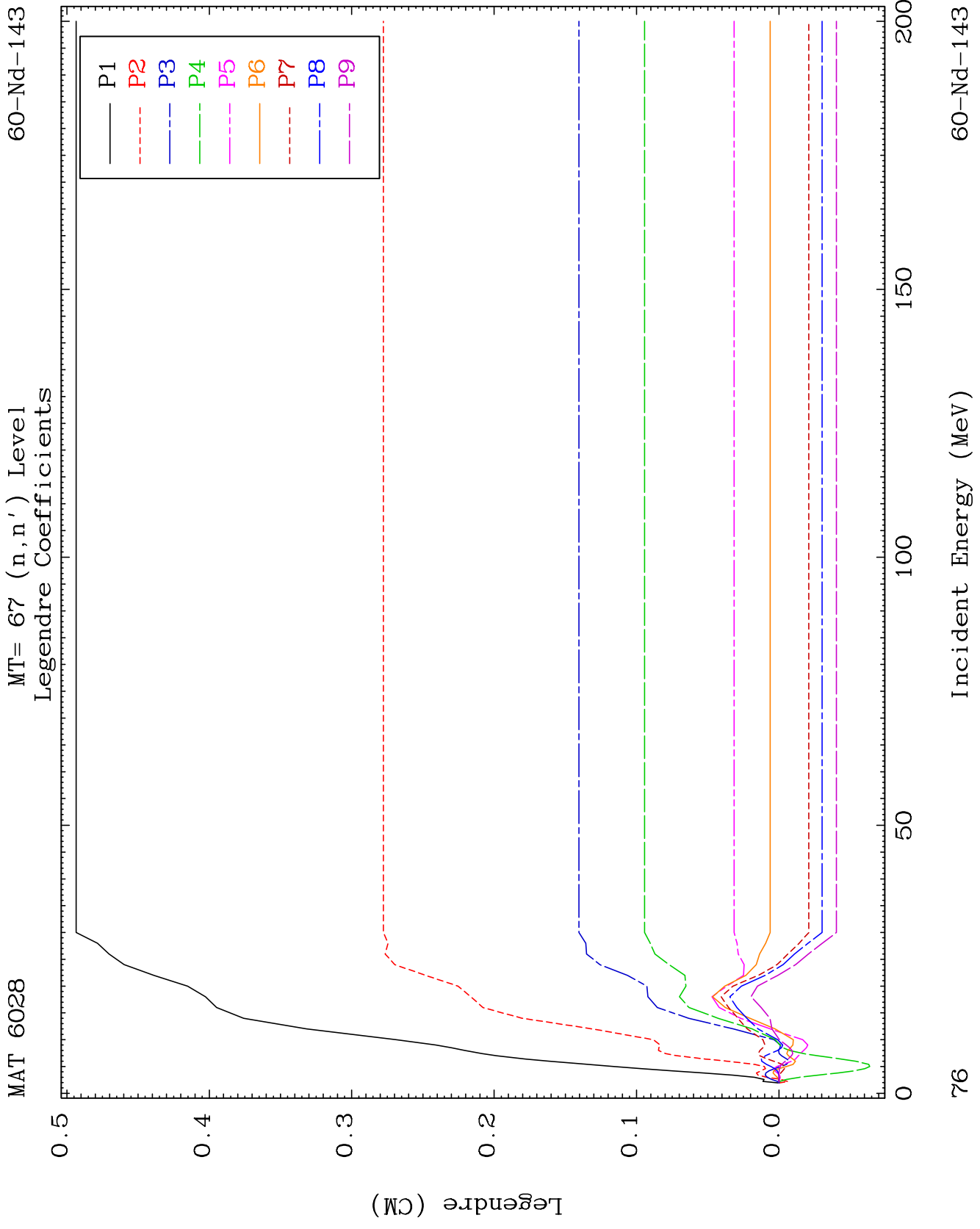
60-Nd-143



74

Incident Energy (MeV)

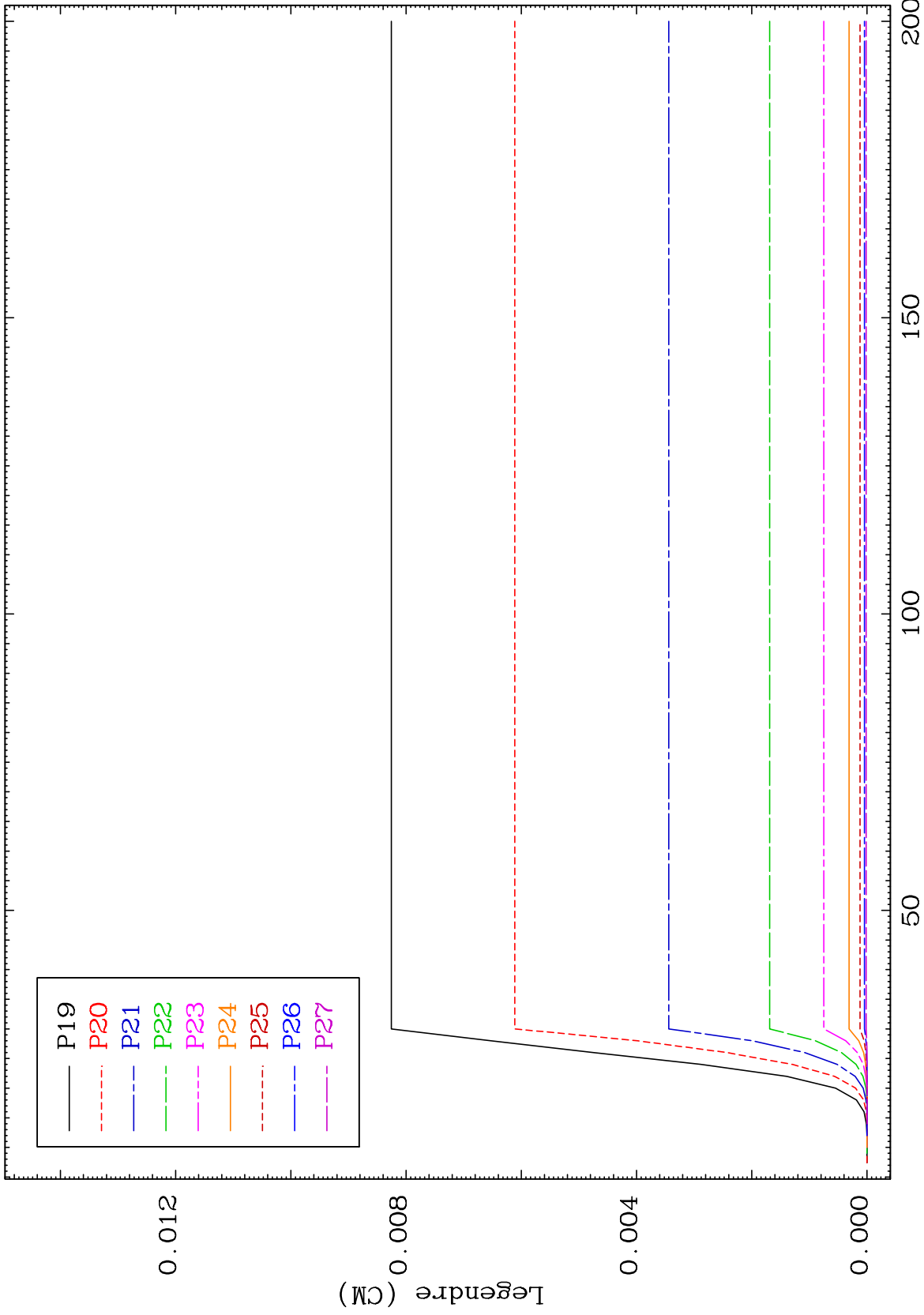
60-Nd-143



MAT 6028

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

60-Nd-143



78

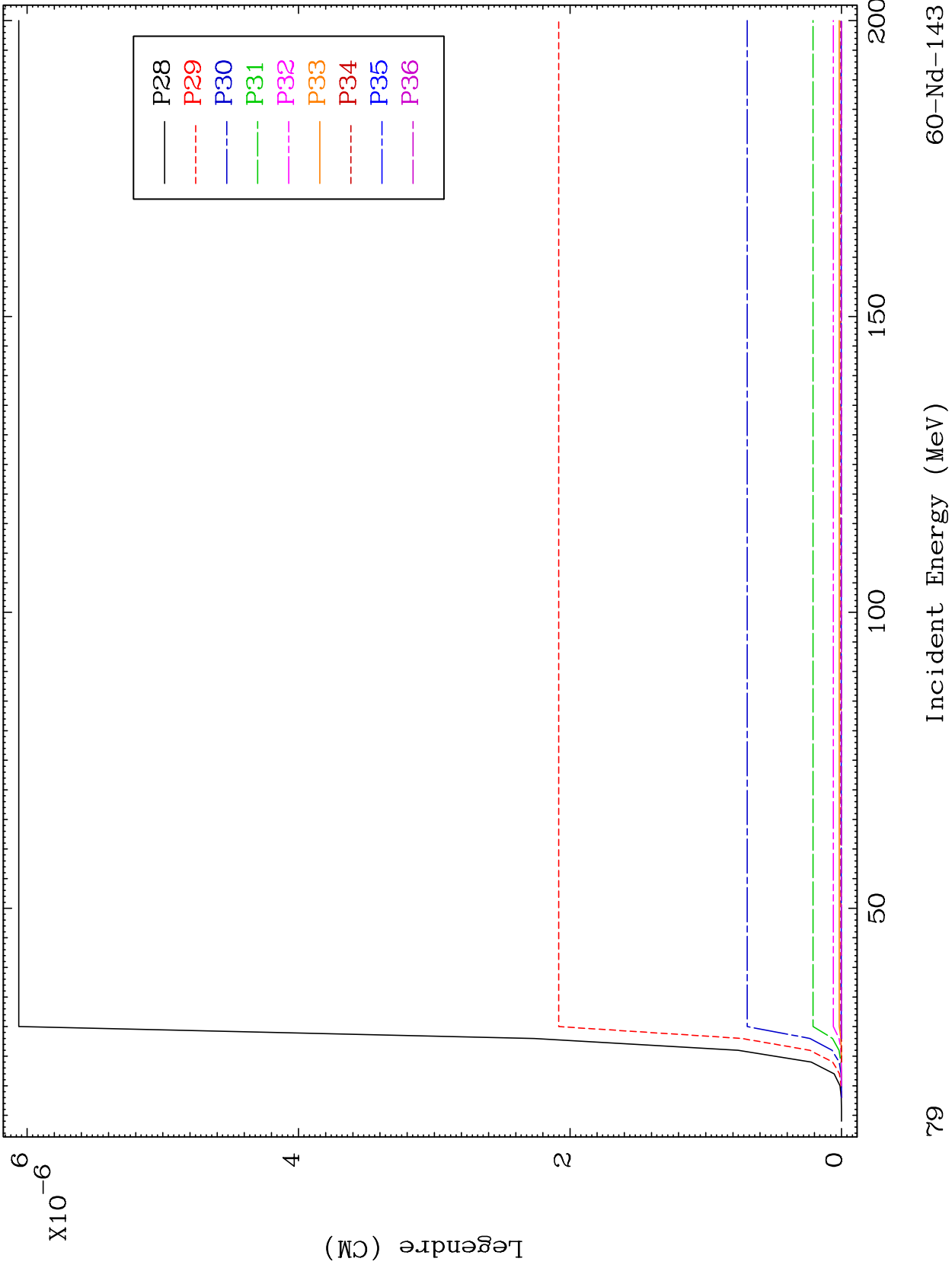
Incident Energy (MeV)

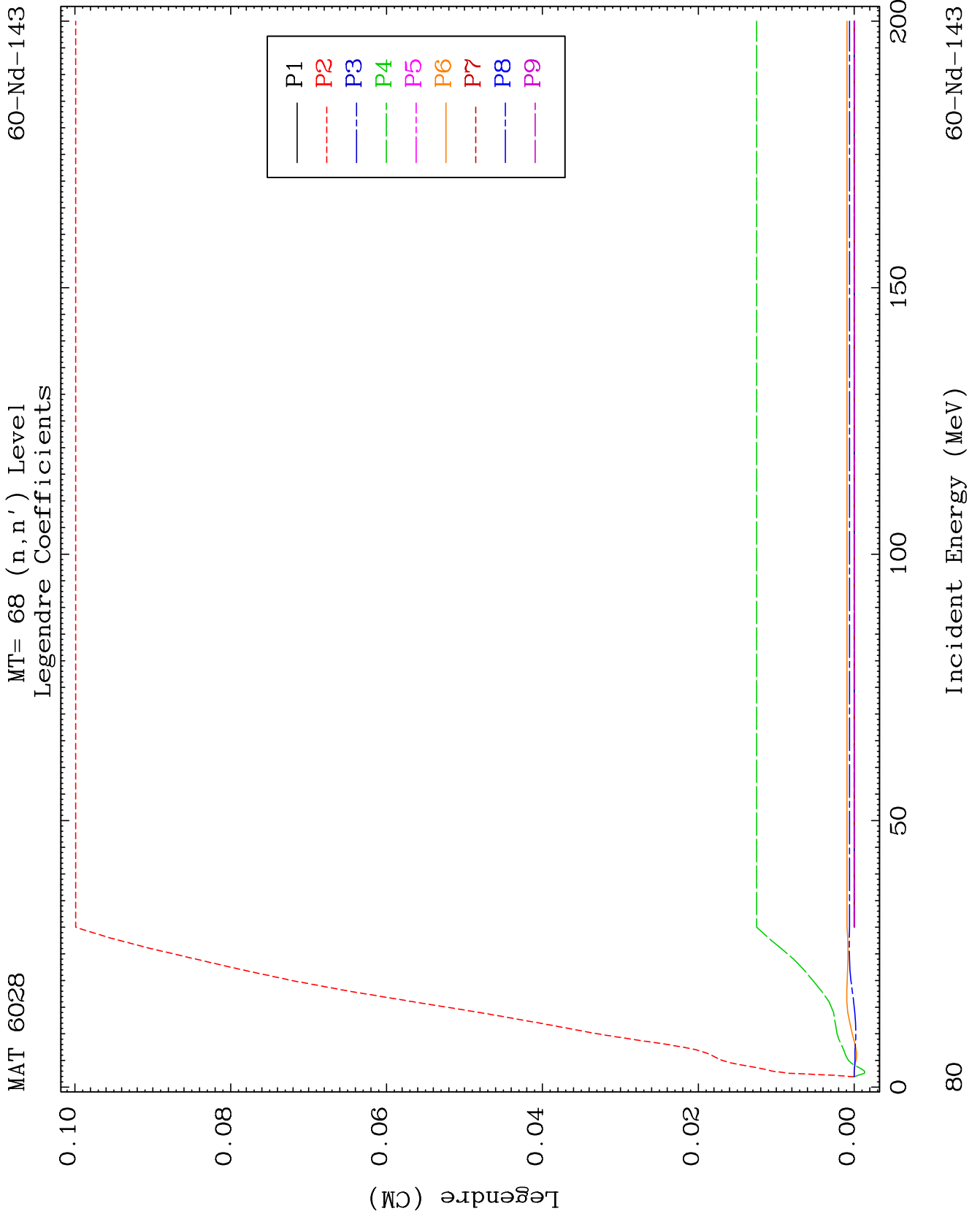
60-Nd-143

MAT 6028

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

60-Nd-143

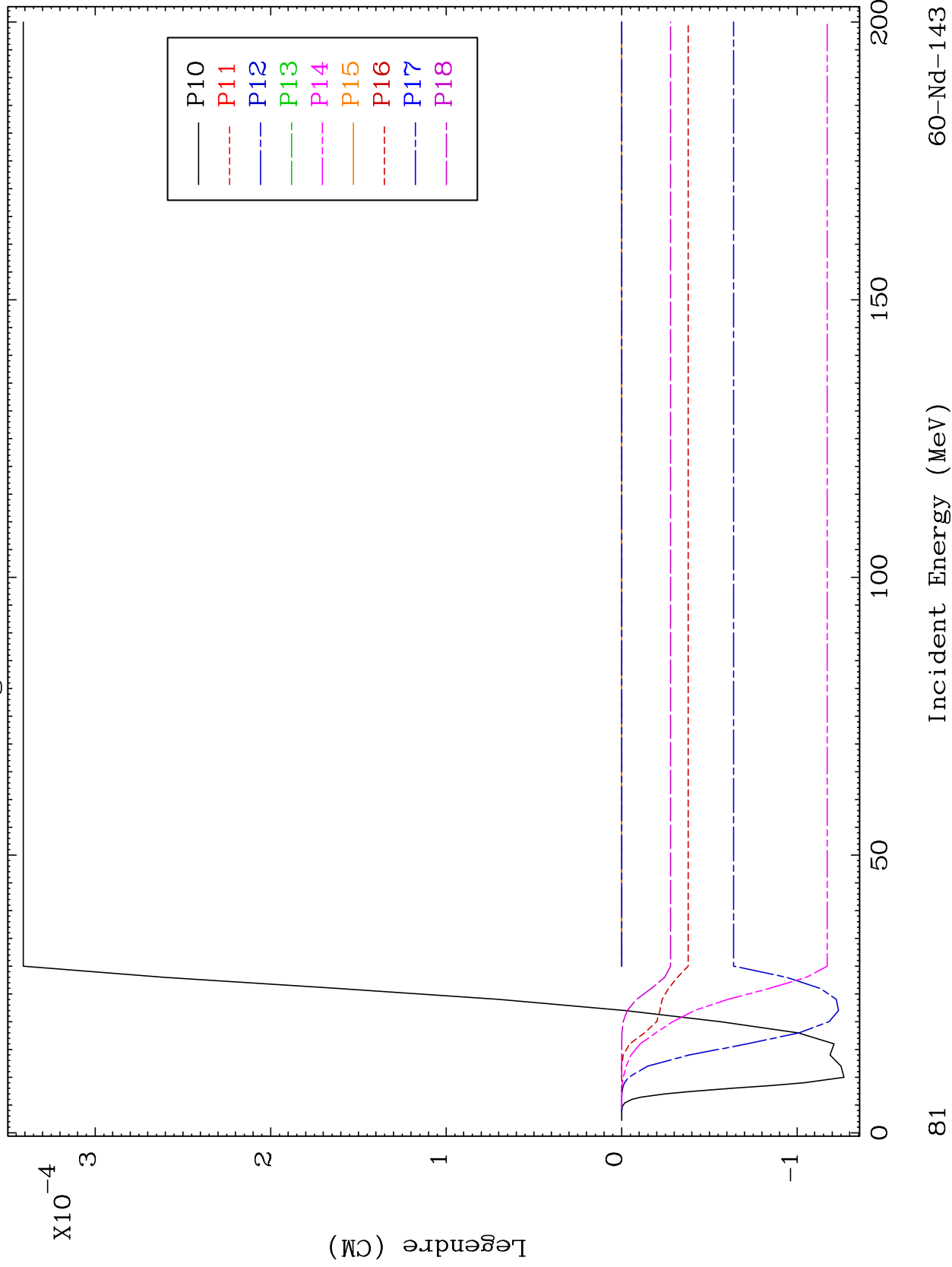


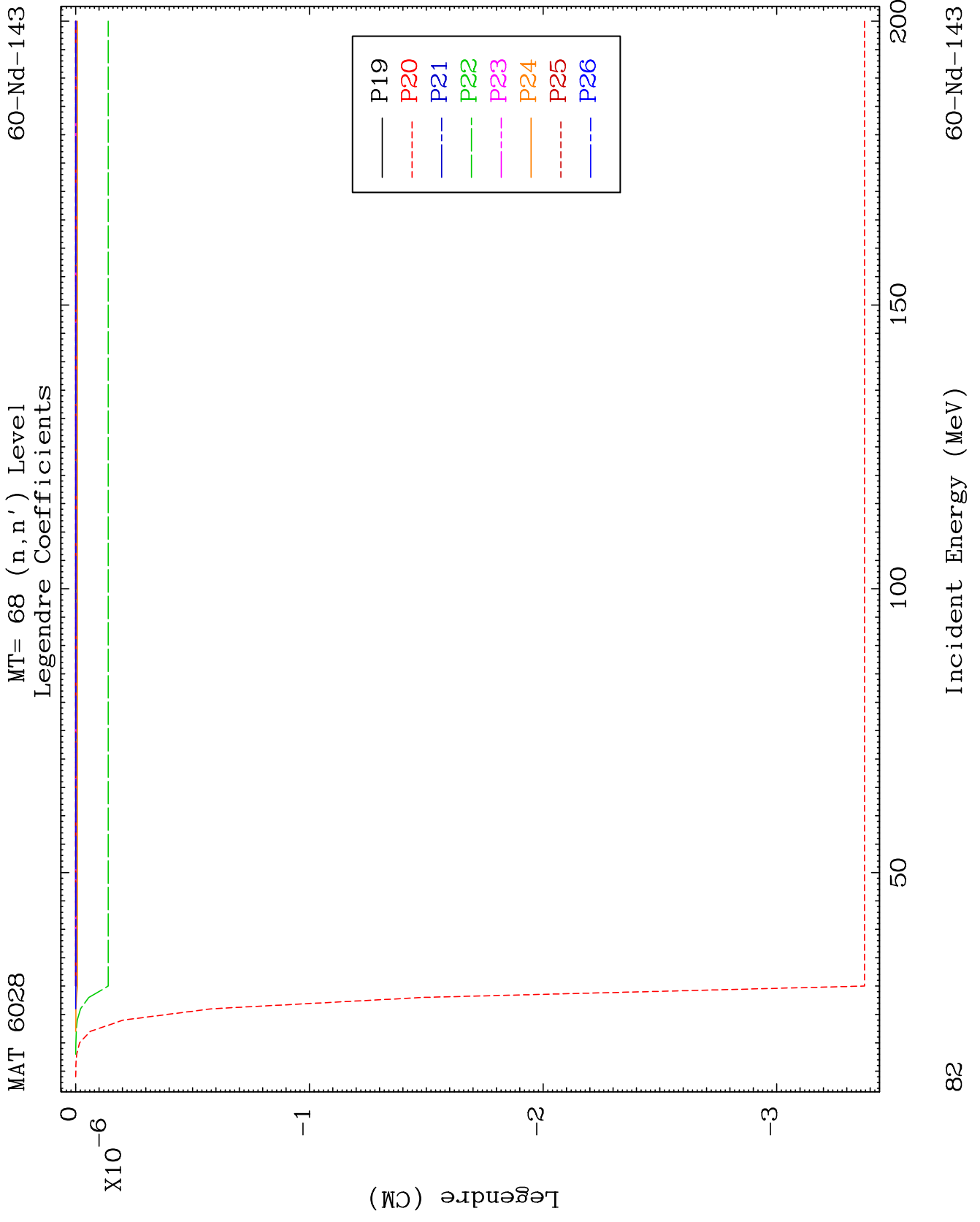


MAT 6028

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

60-Nd-143

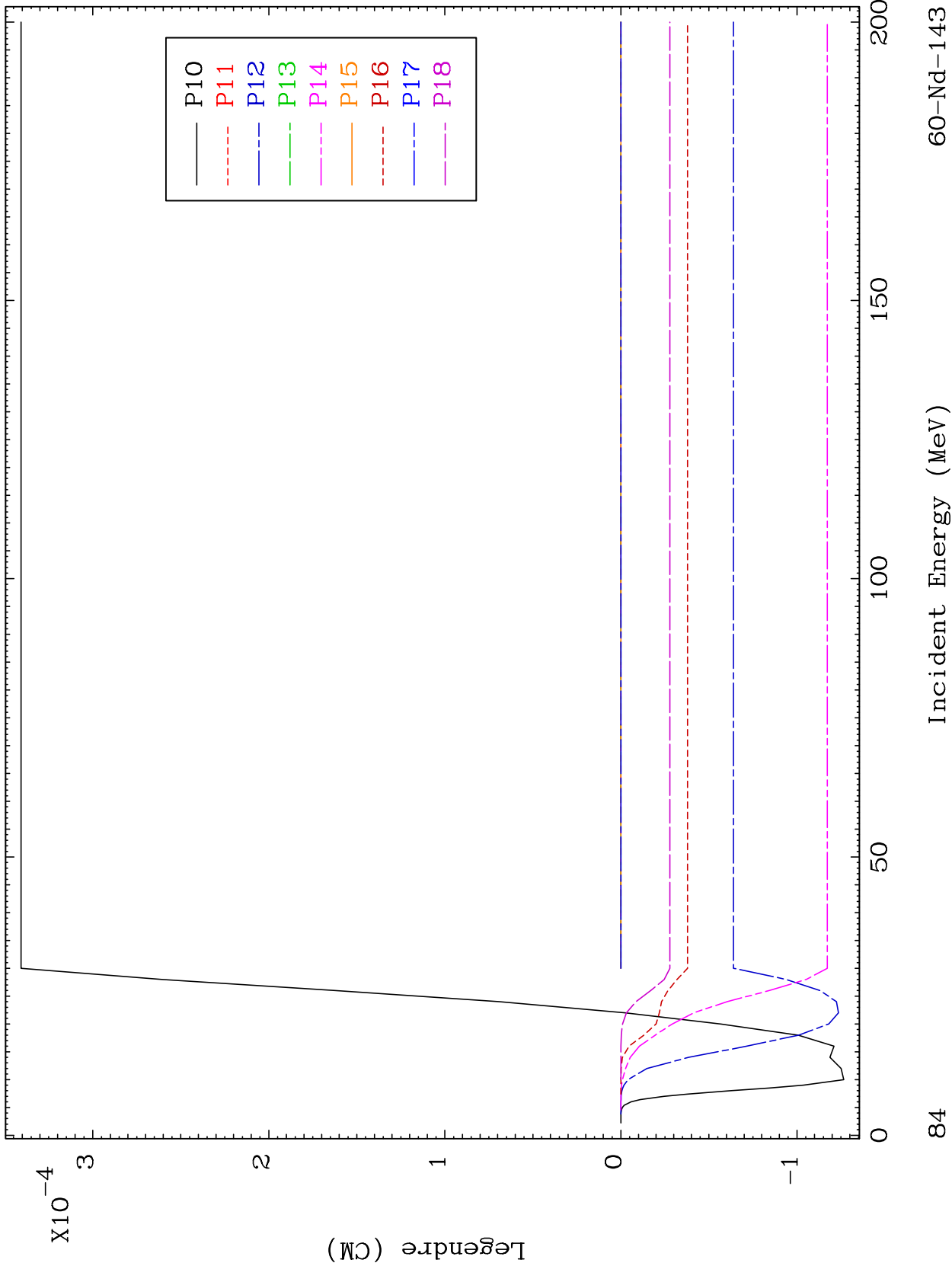




MAT 6028

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

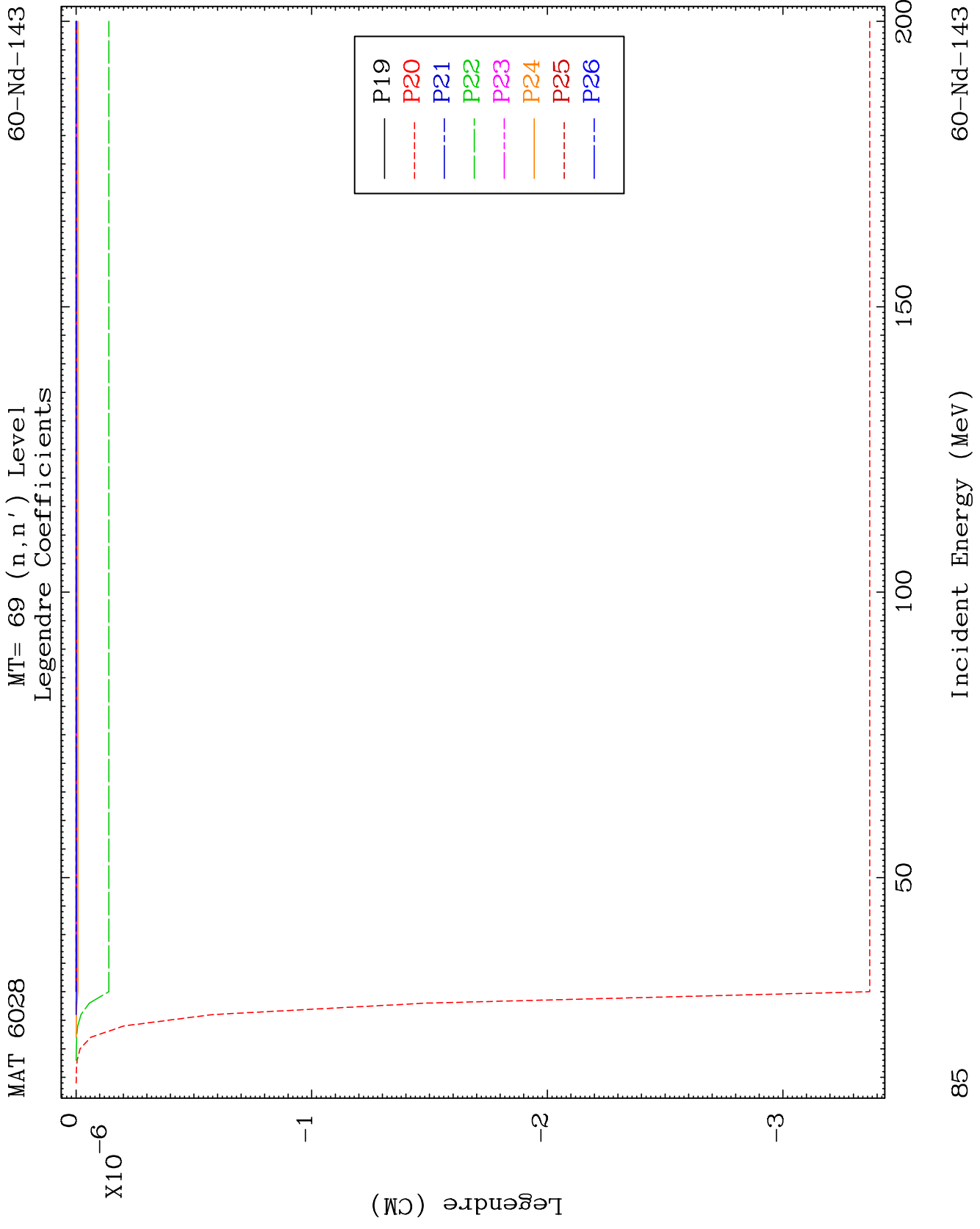
60-Nd-143

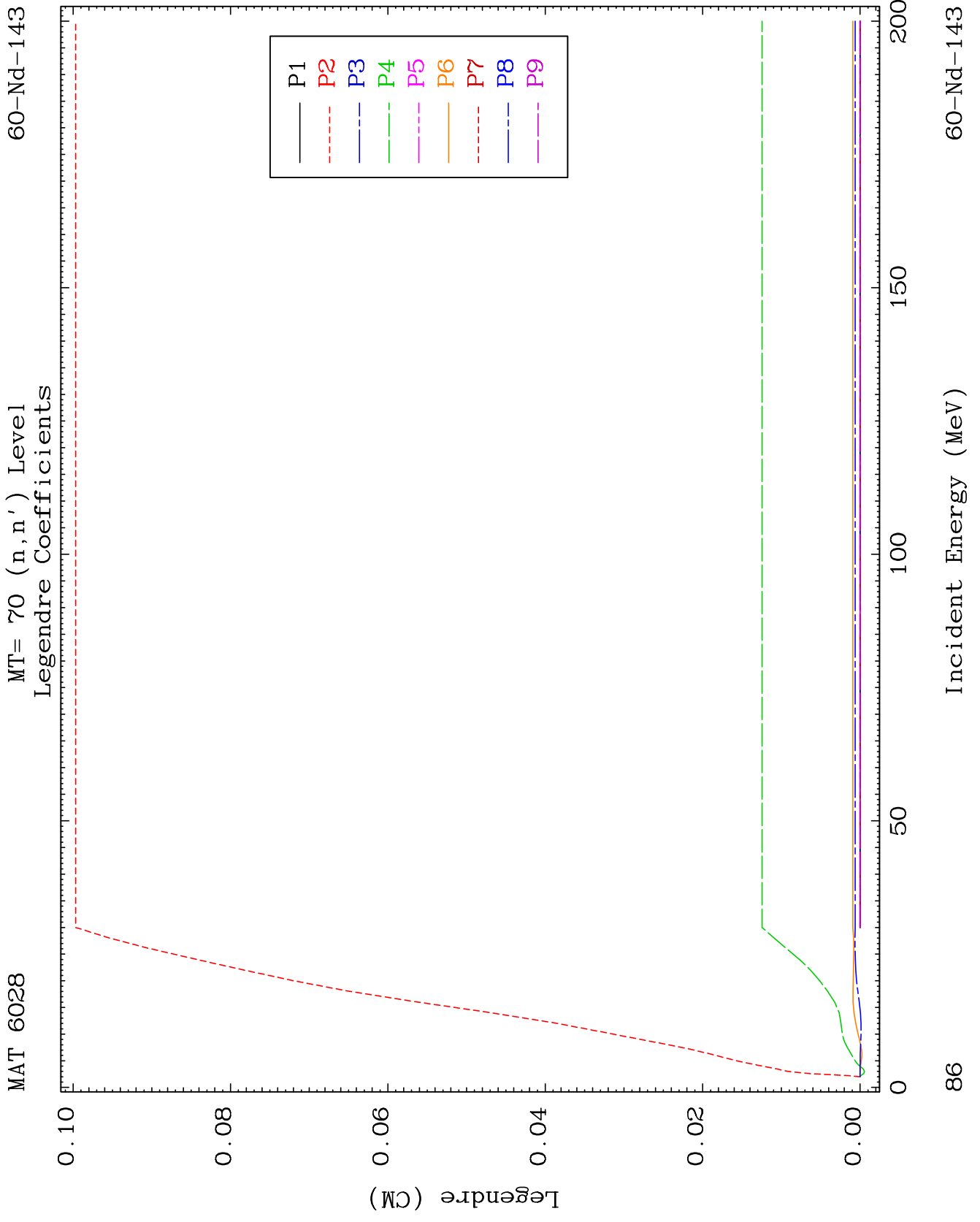


84

Incident Energy (MeV)

60-Nd-143

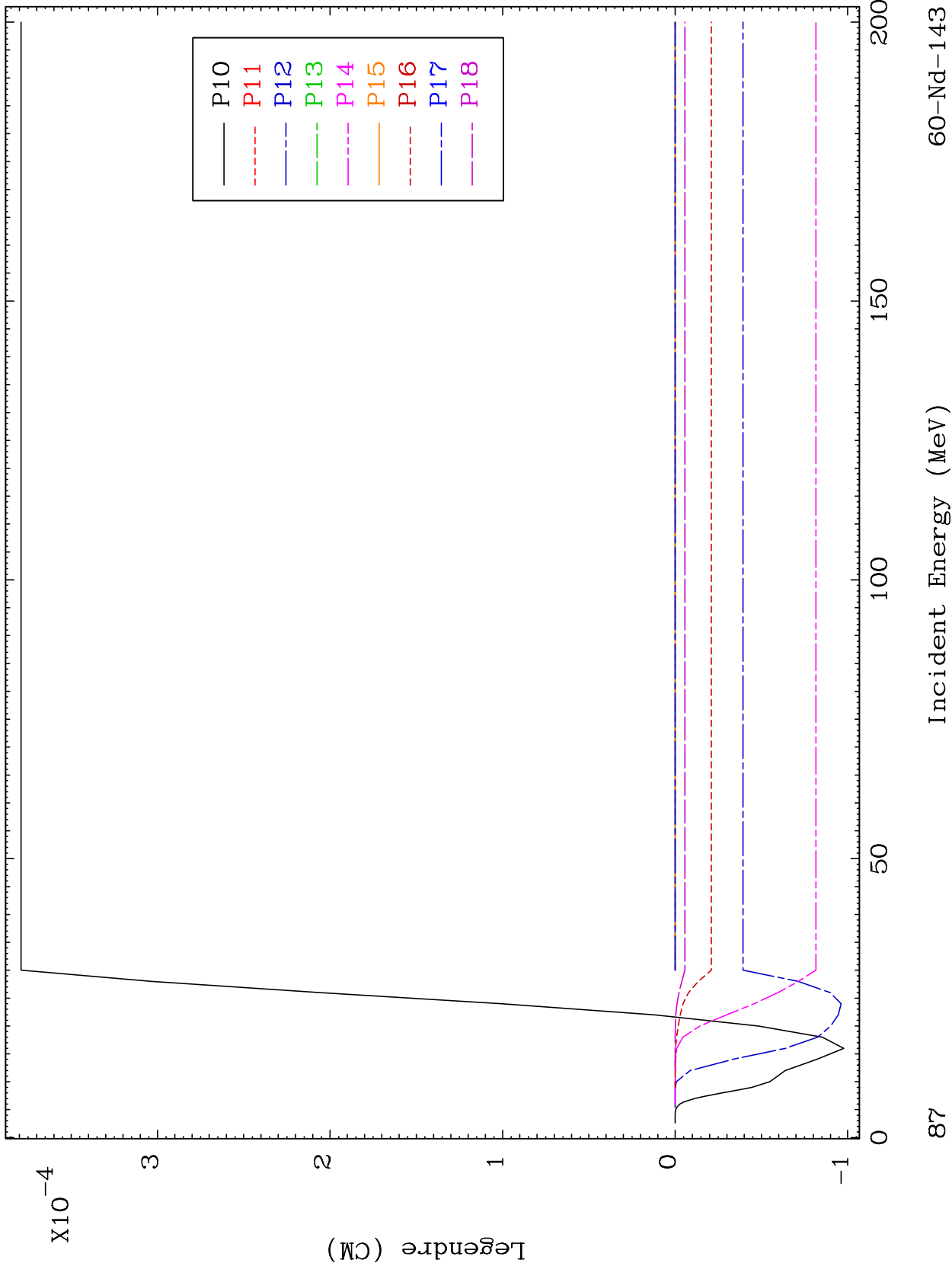




MAT 6028

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

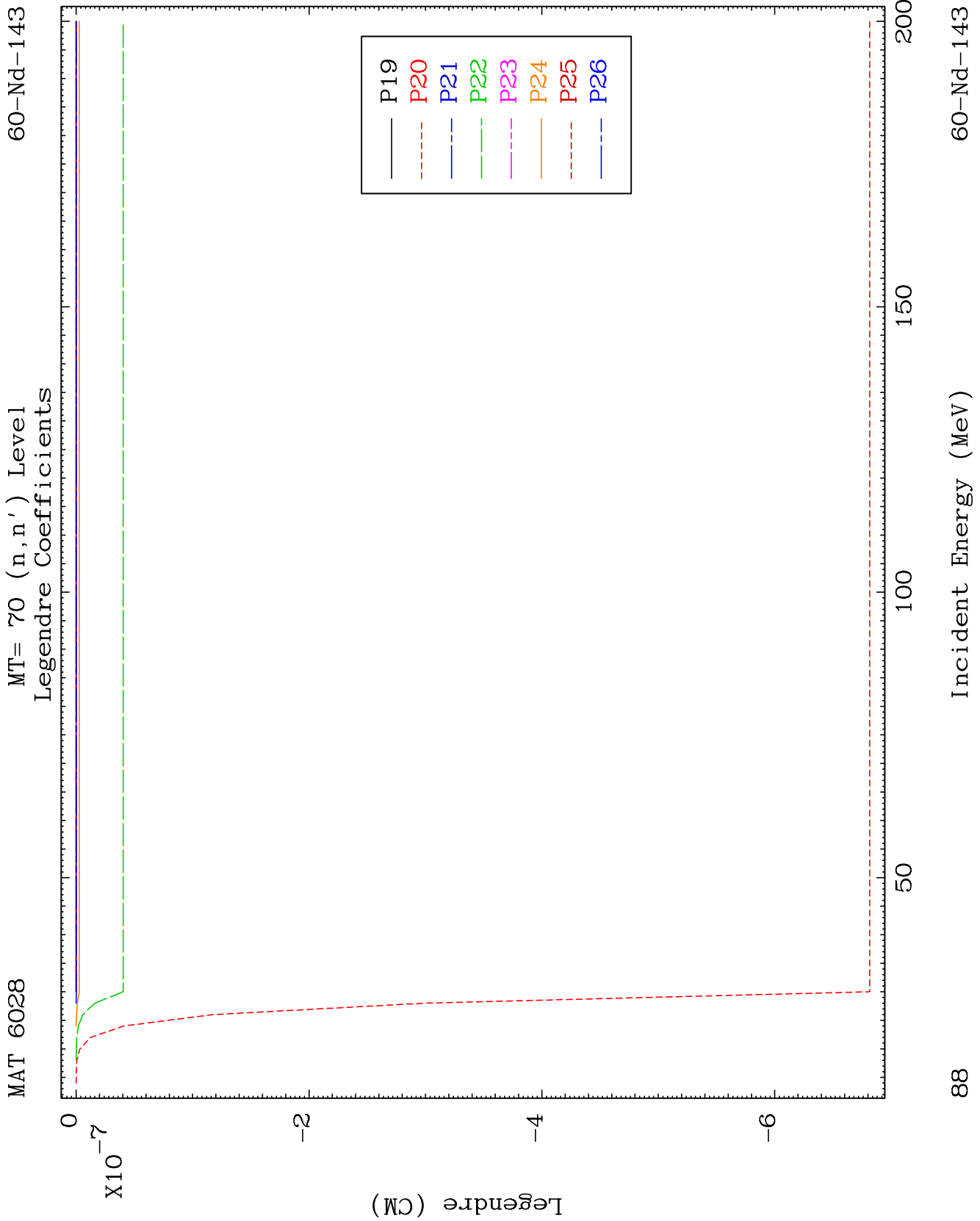
60-Nd-143



87

Incident Energy (MeV)

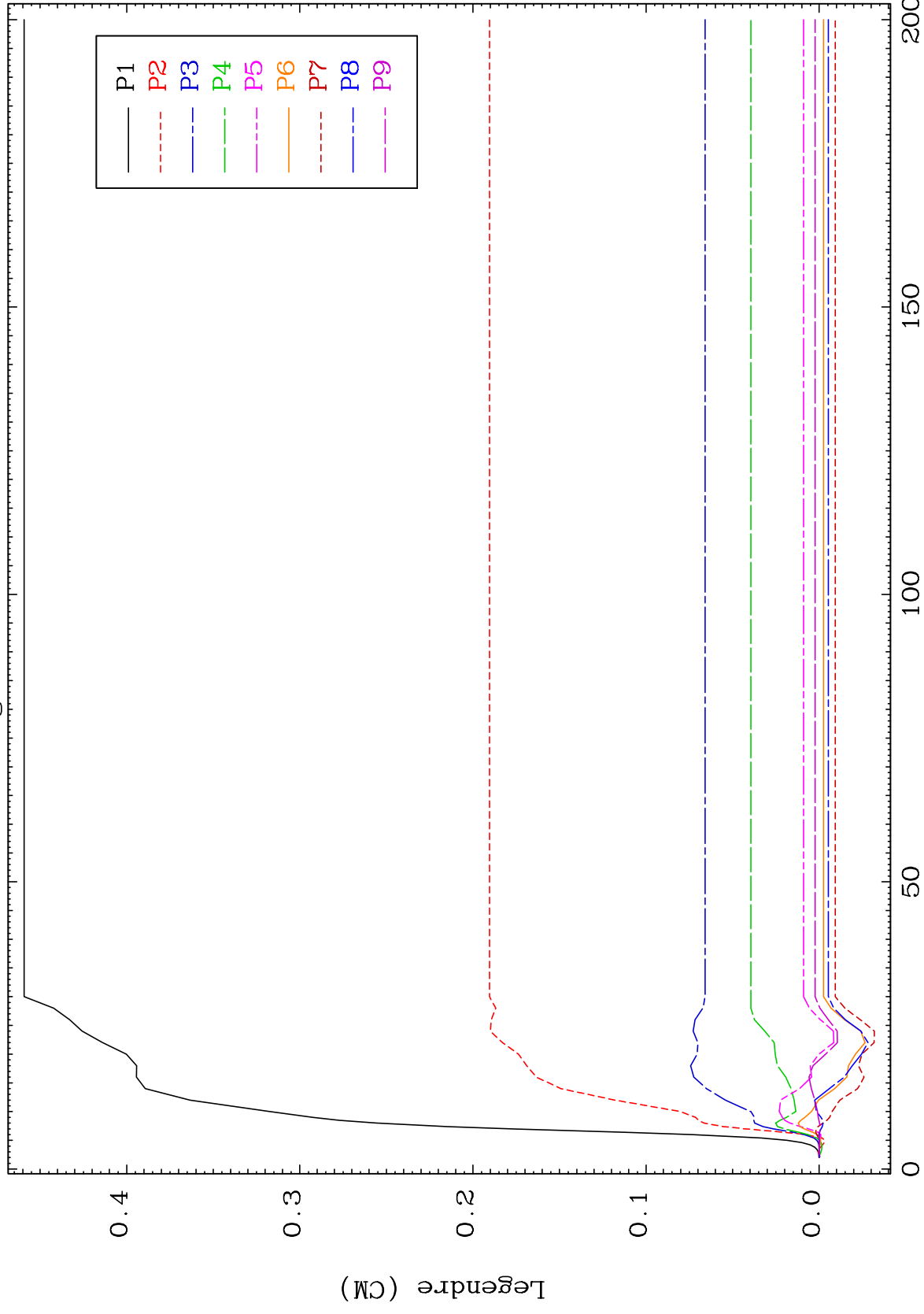
60-Nd-143



MAT 6028

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

60-Nd-143



89

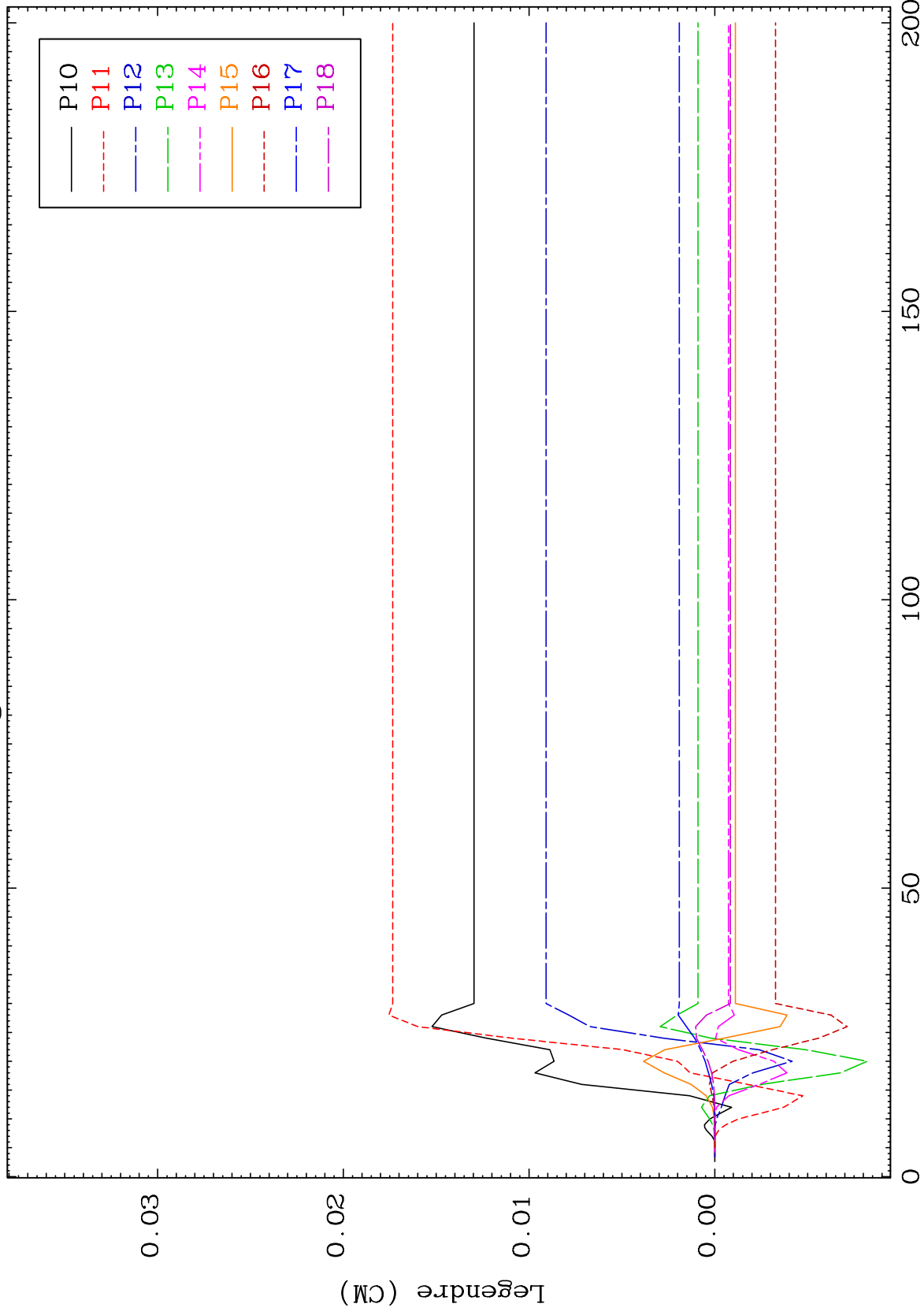
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



90

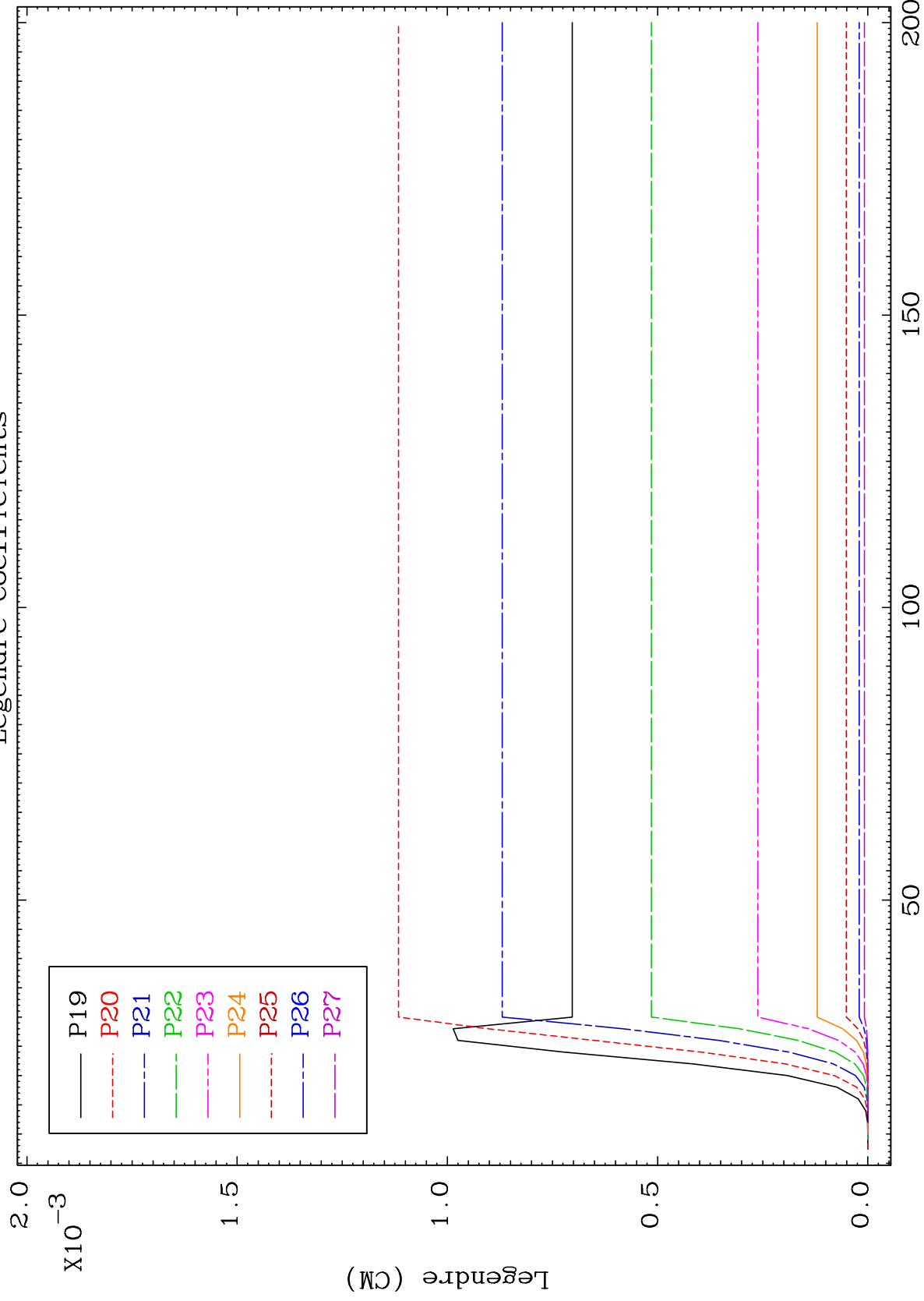
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



91

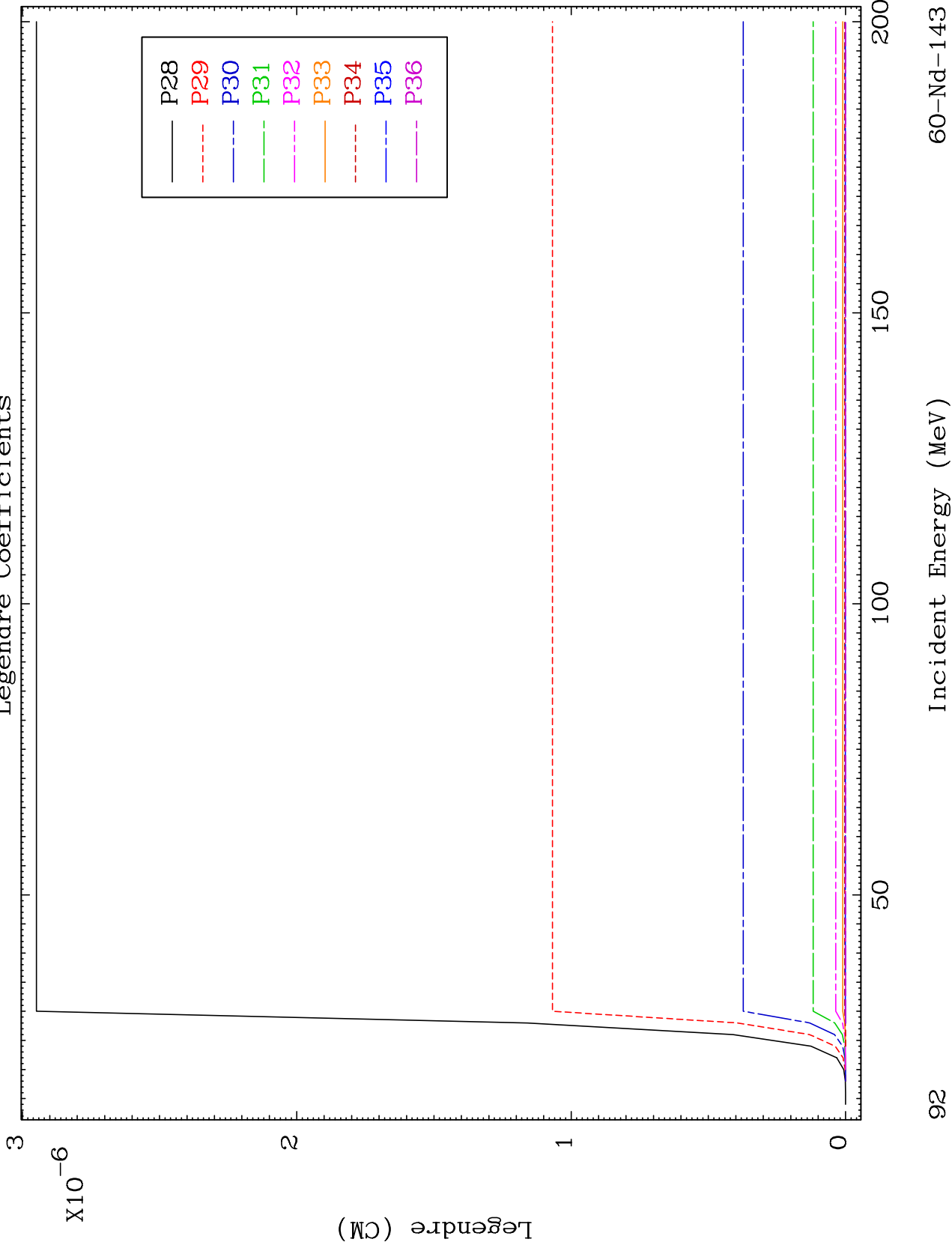
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

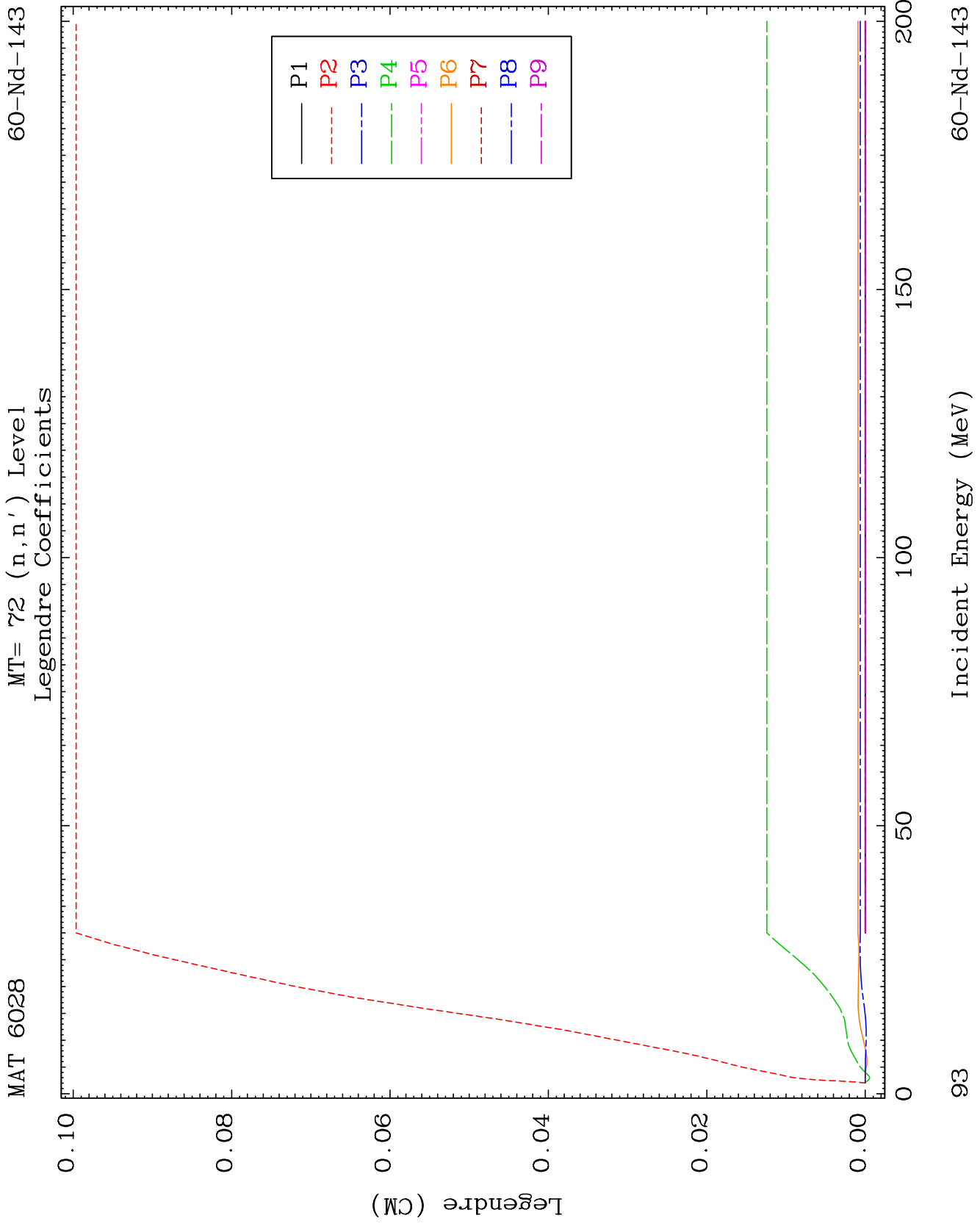
60-Nd-143



92

Incident Energy (MeV)

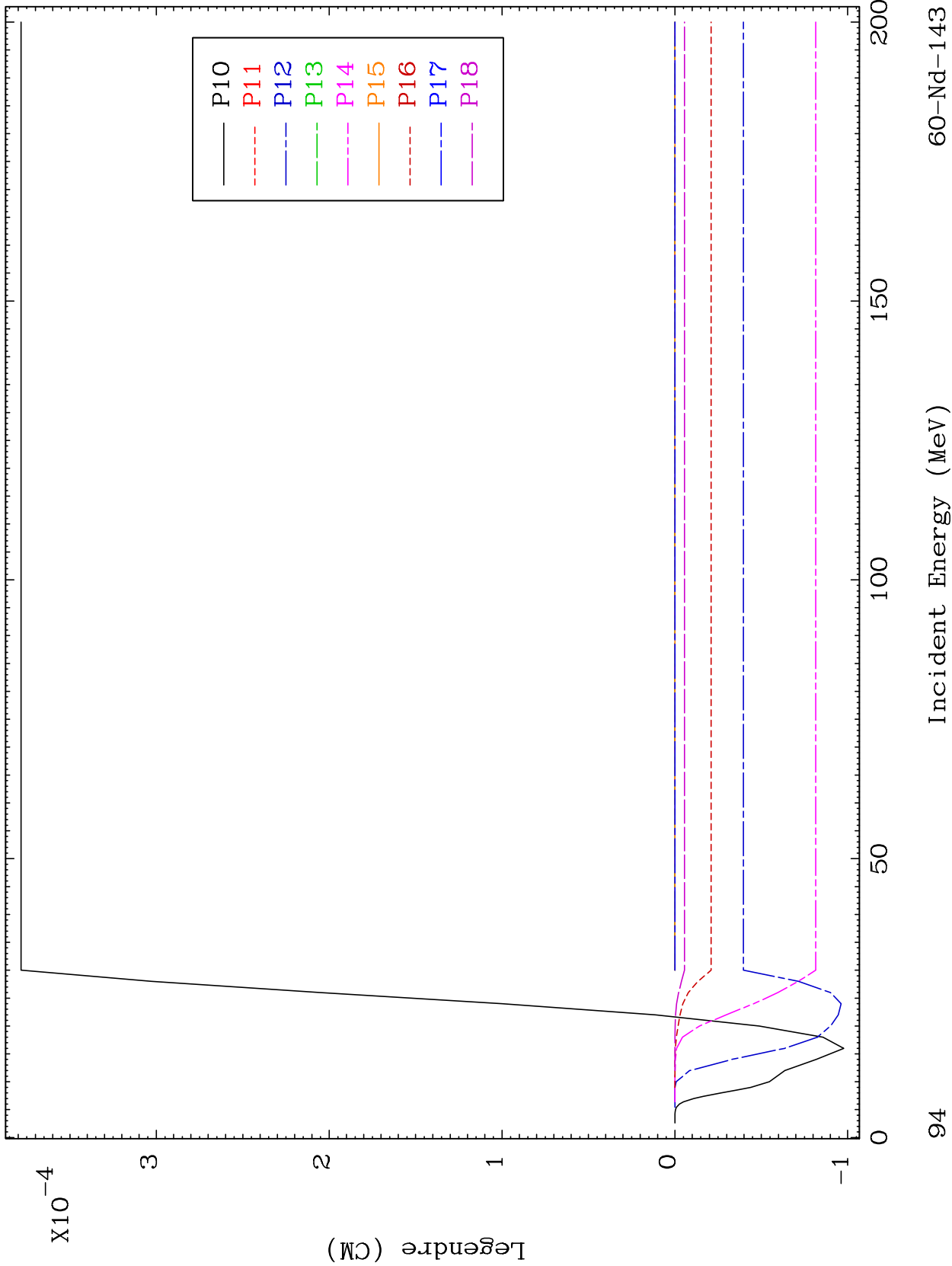
60-Nd-143



MAT 6028

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

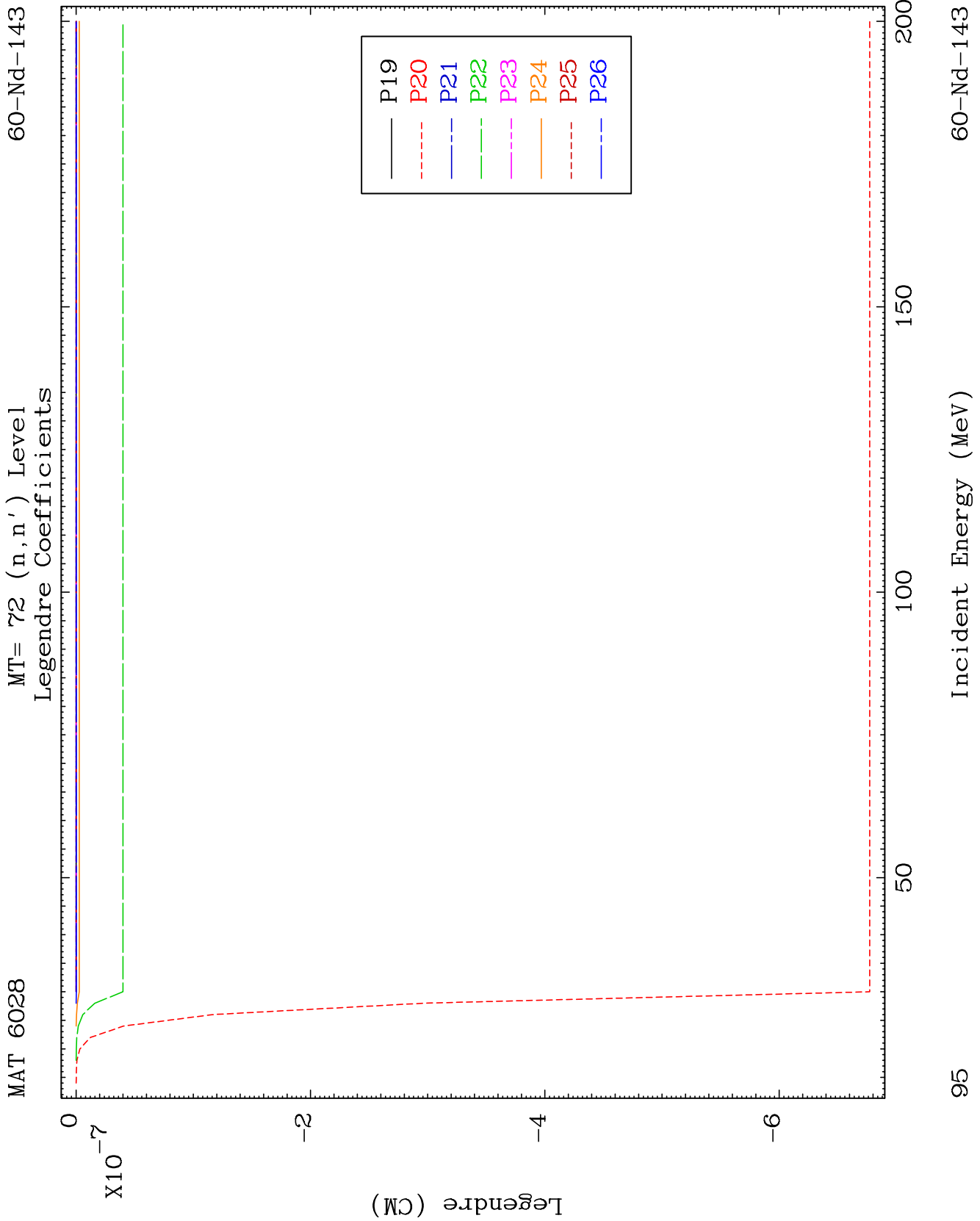
60-Nd-143



94

Incident Energy (MeV)

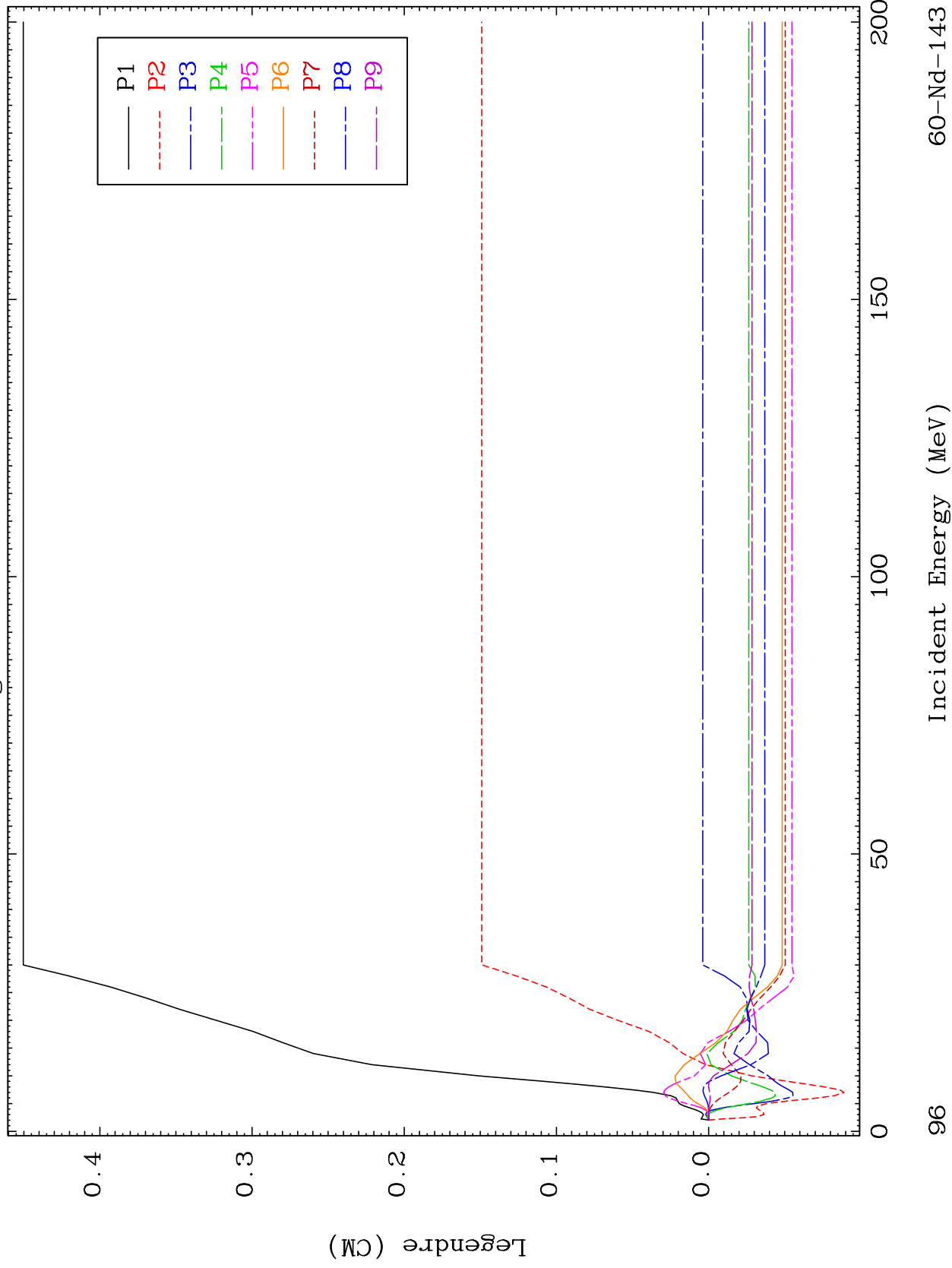
60-Nd-143



MAT 6028

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

60-Nd-143



60-Nd-143

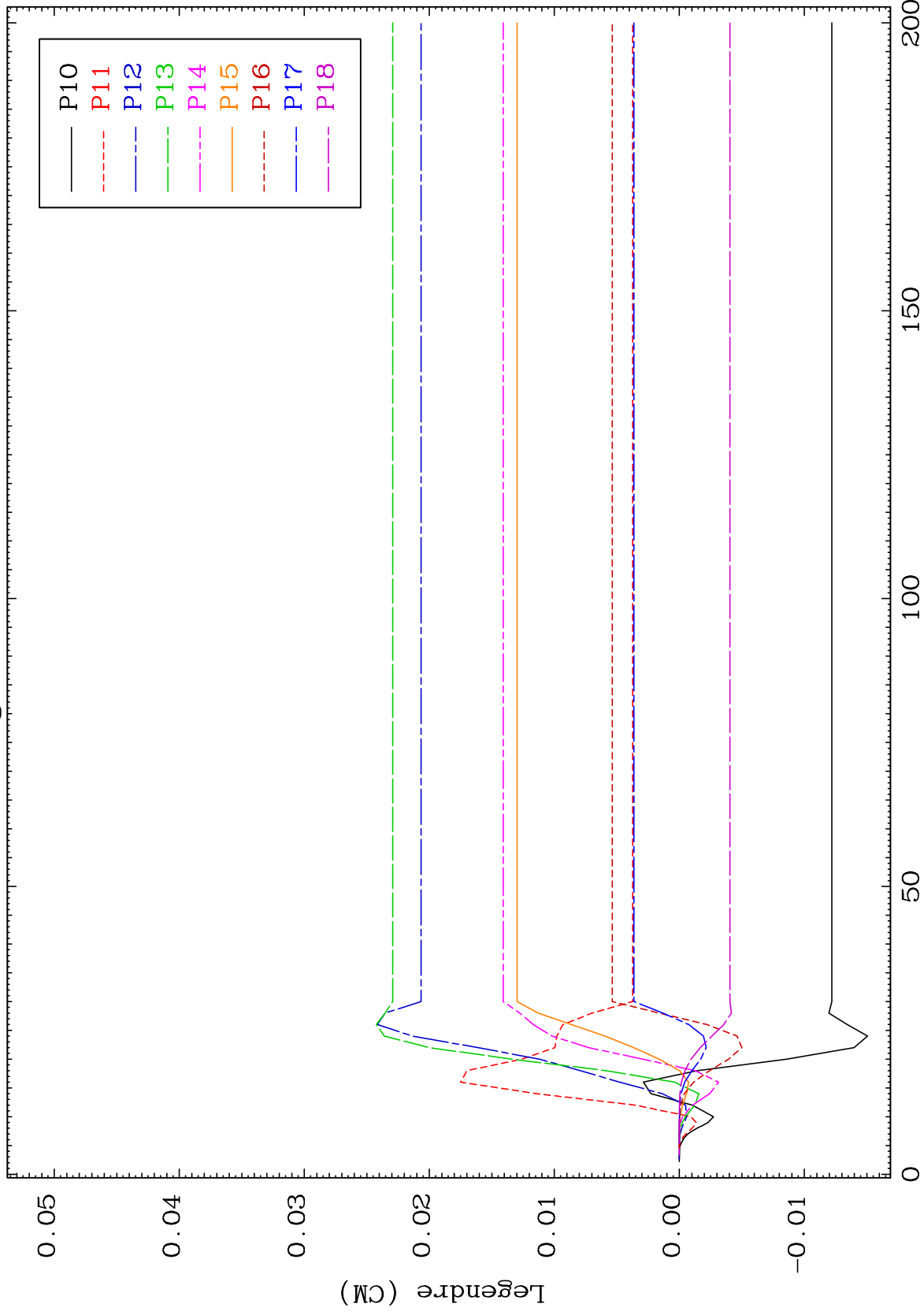
Incident Energy (MeV)

96

MAT 6028

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

60-Nd-143



97

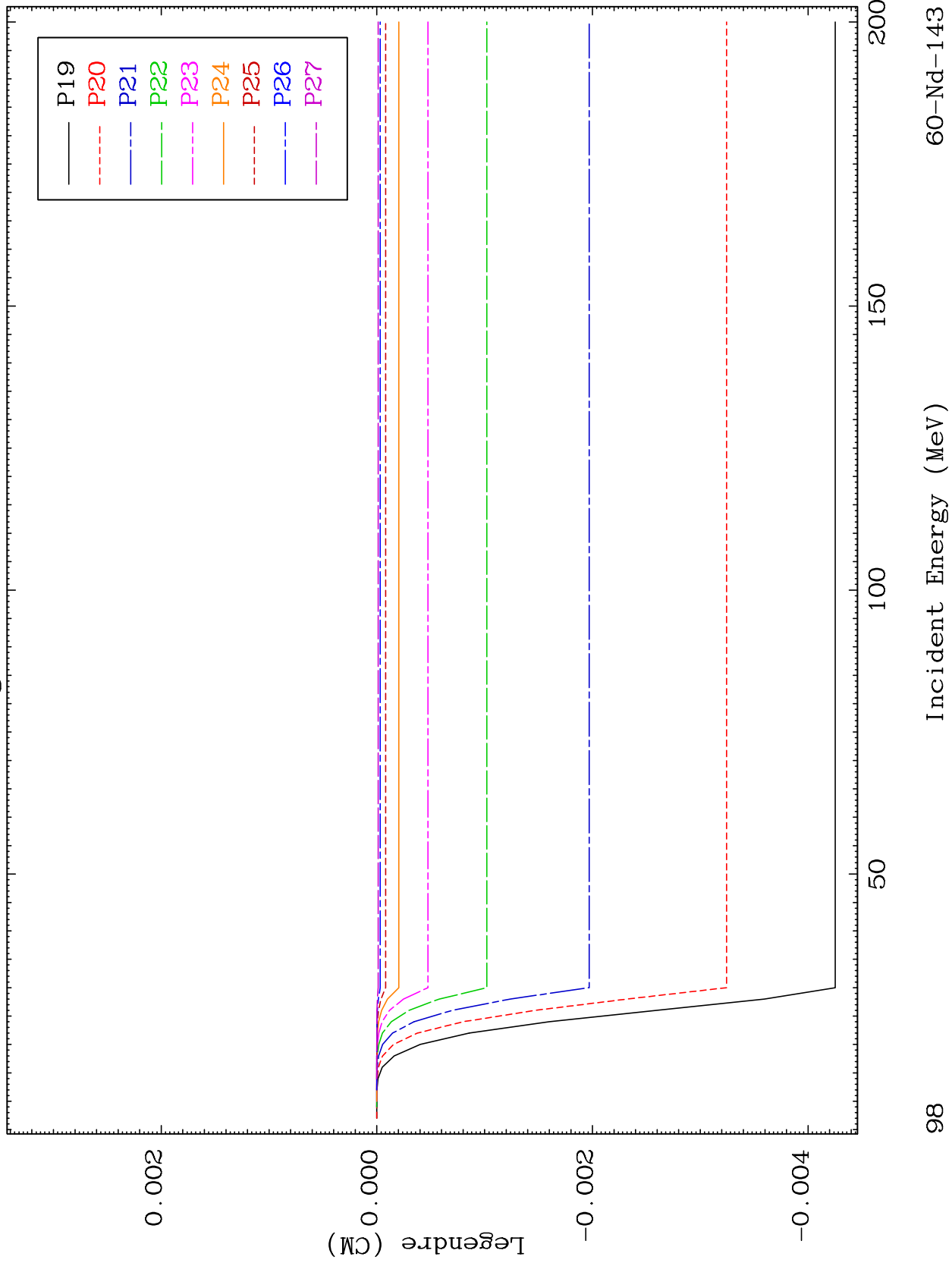
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

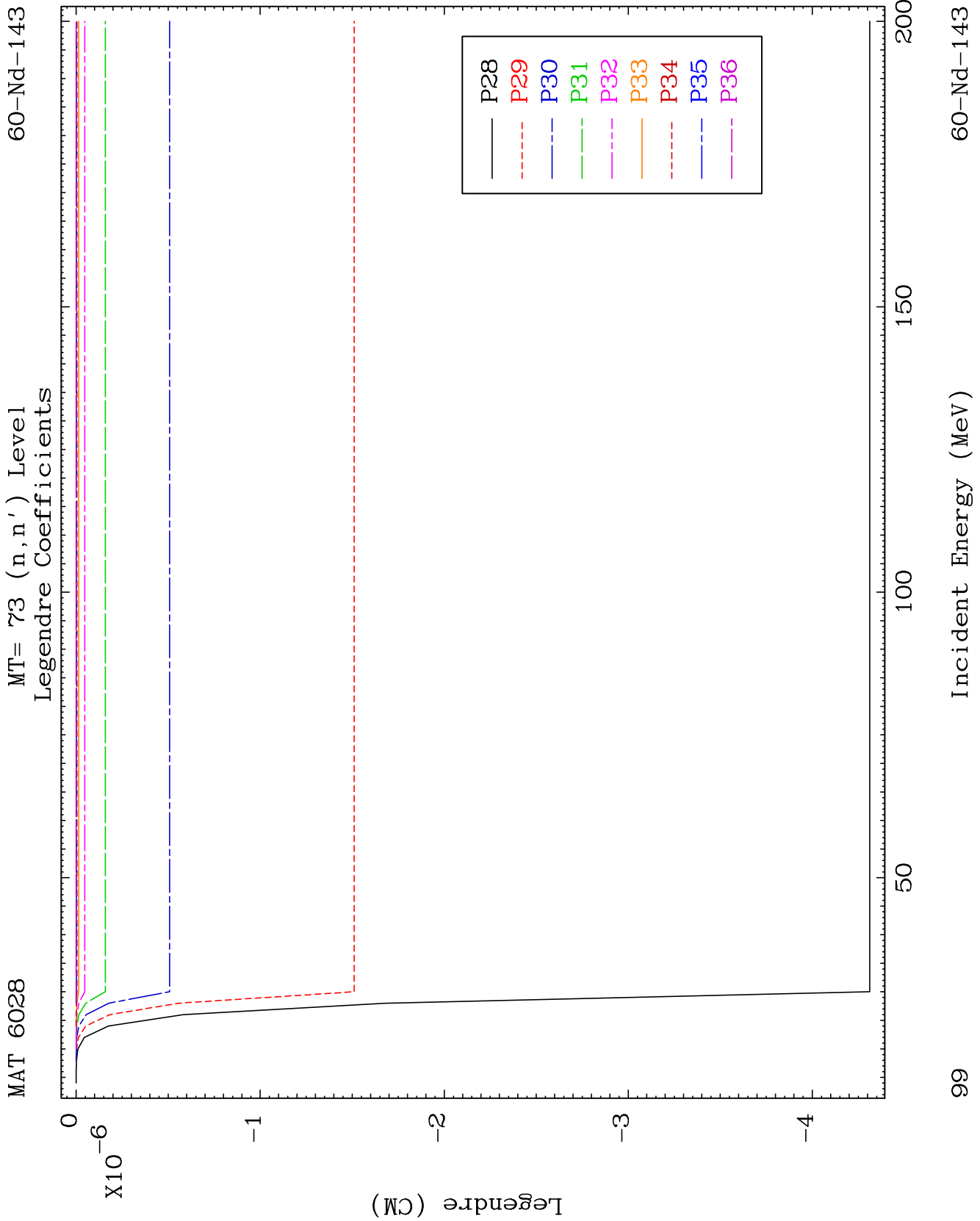
60-Nd-143

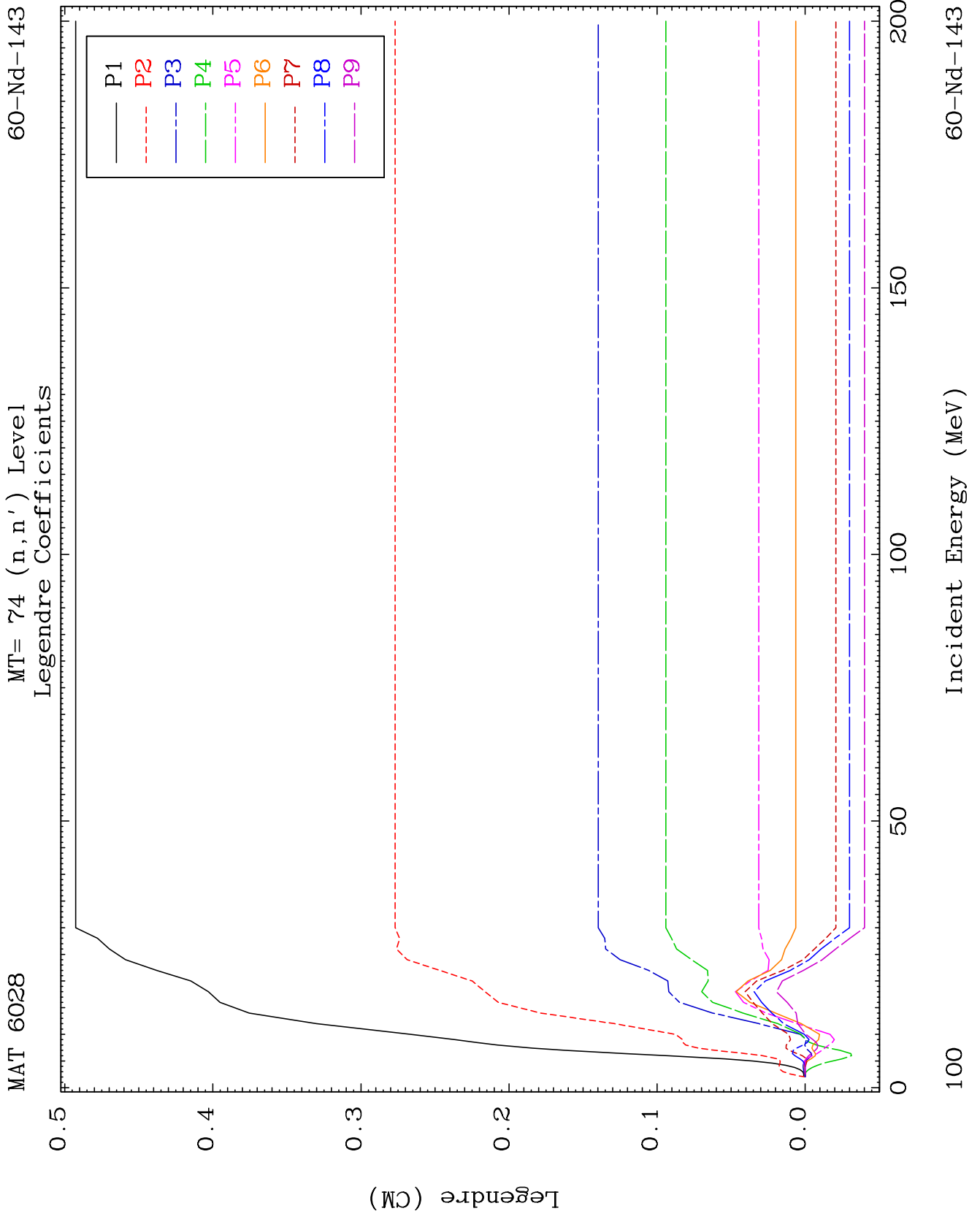


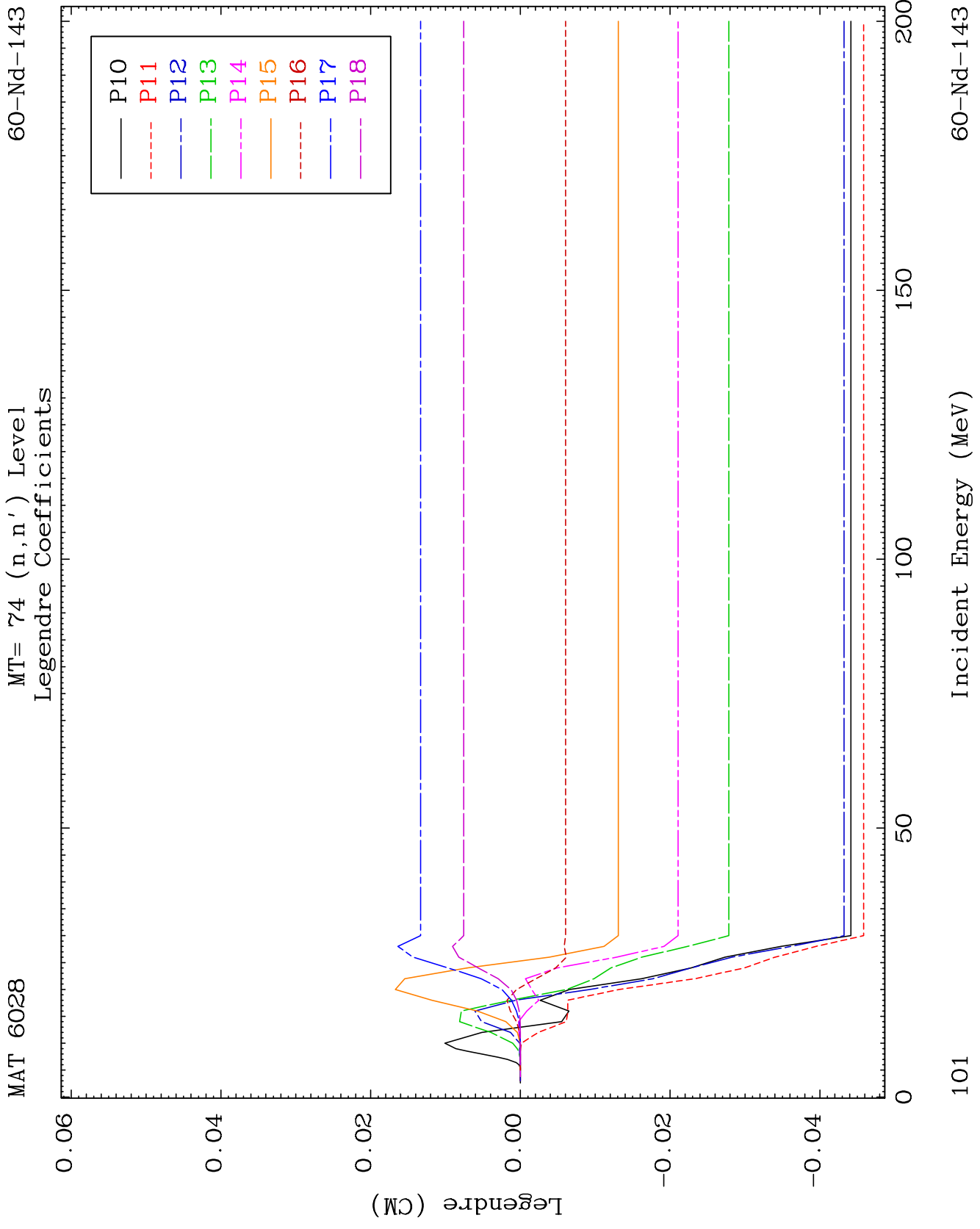
98

Incident Energy (MeV)

60-Nd-143



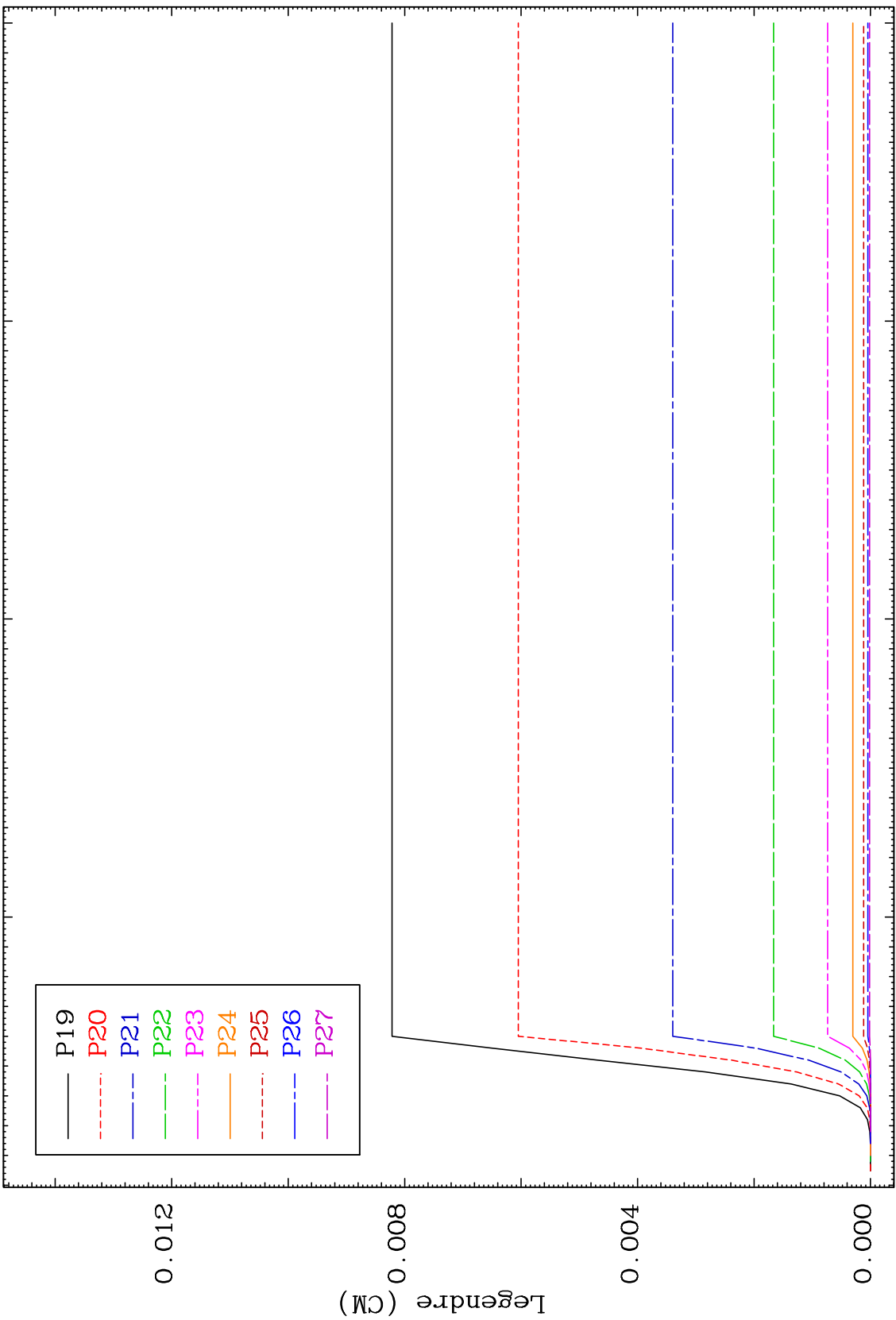




MAT 6028

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

60-Nd-143



102

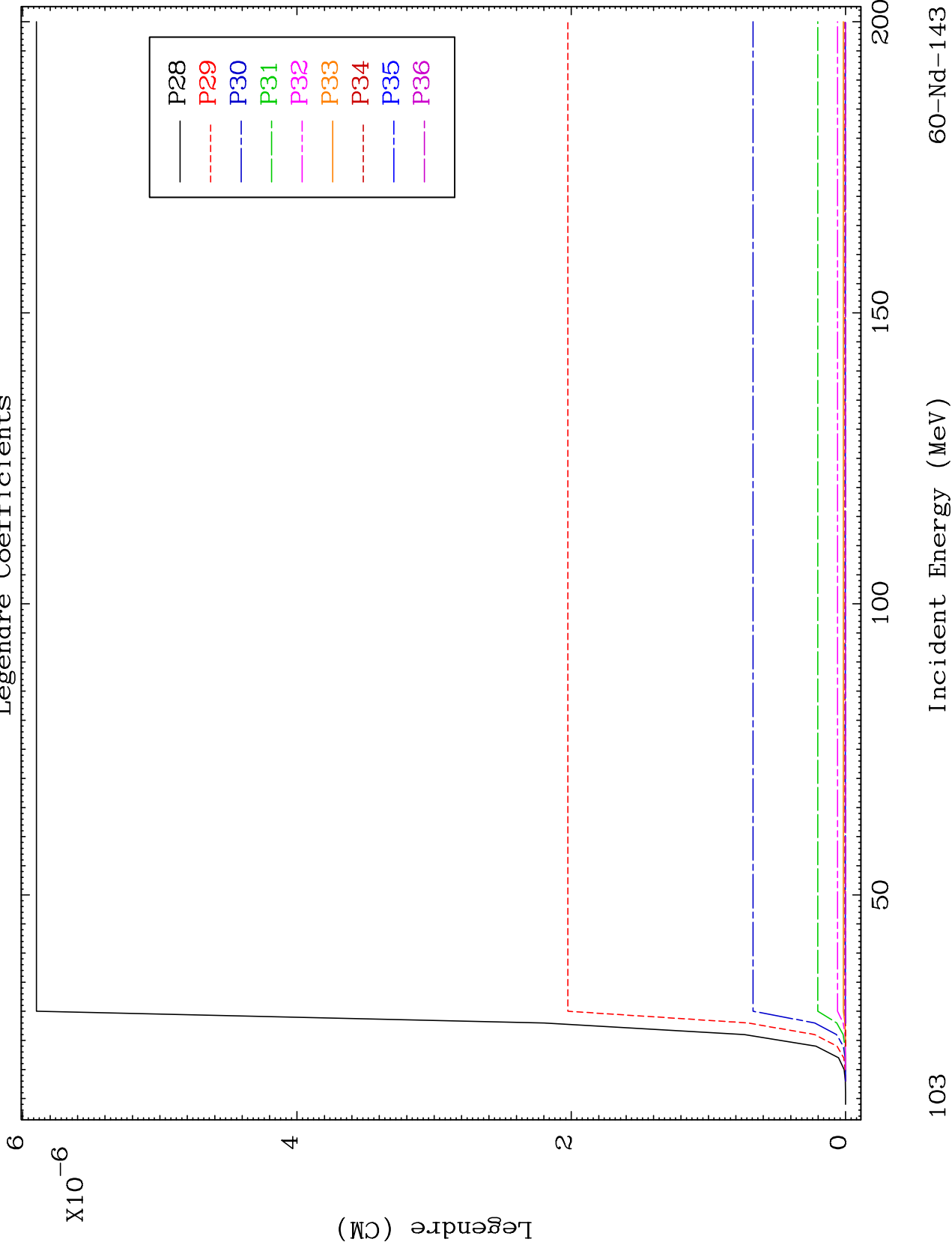
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



103

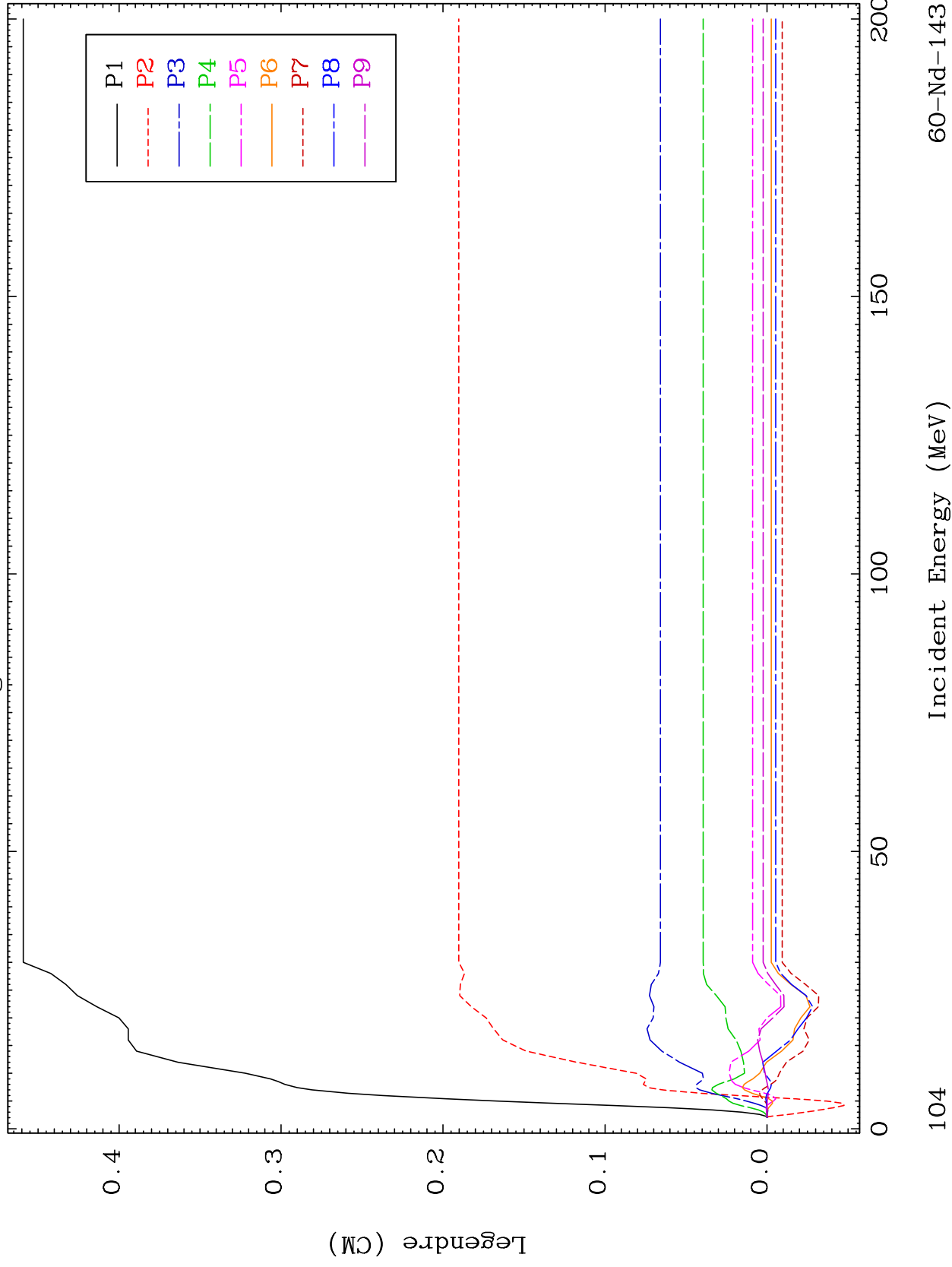
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



60-Nd-143

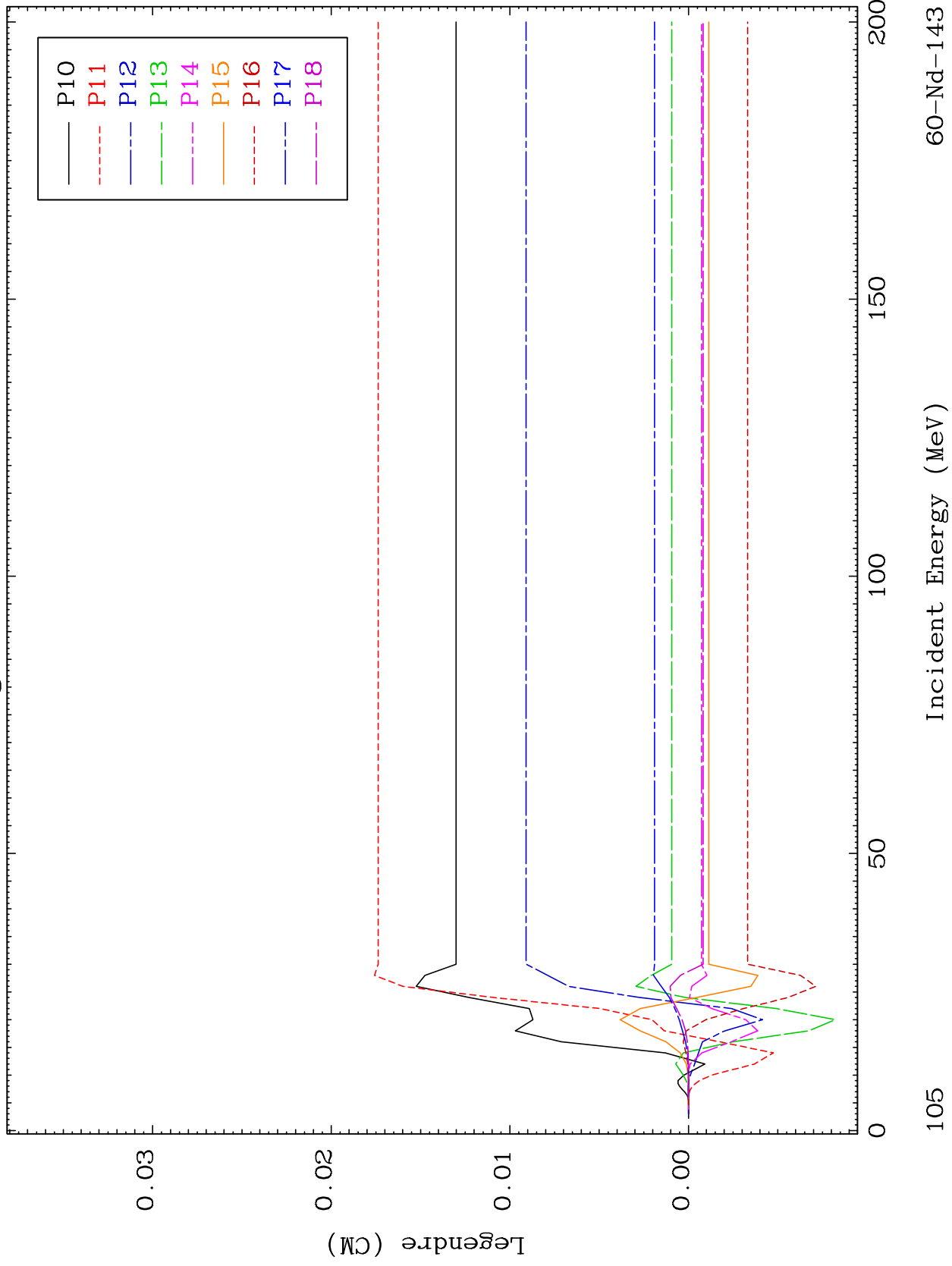
Incident Energy (MeV)

104

MAT 6028

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

60-Nd-143



60-Nd-143

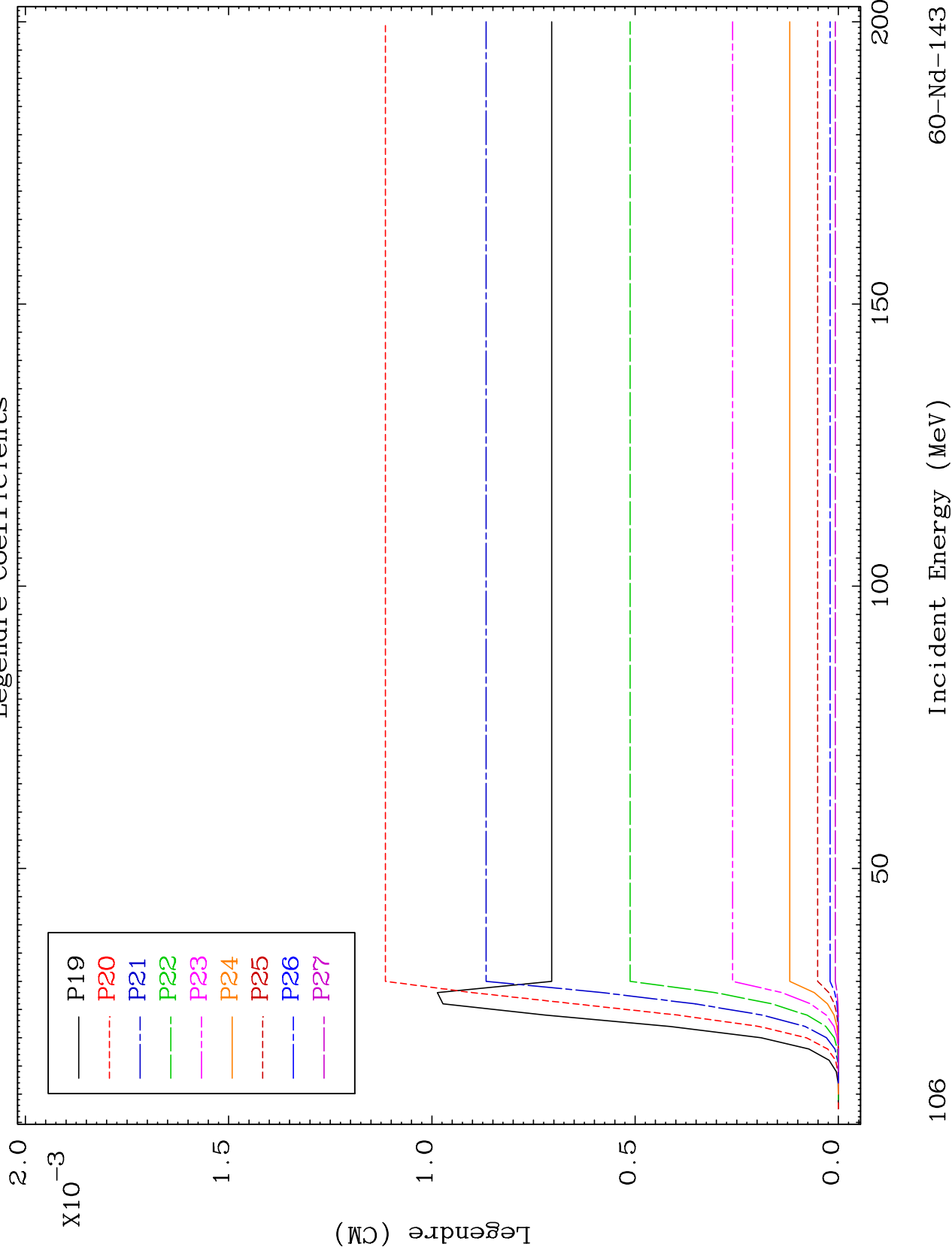
Incident Energy (MeV)

105

MAT 6028

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

60-Nd-143



106

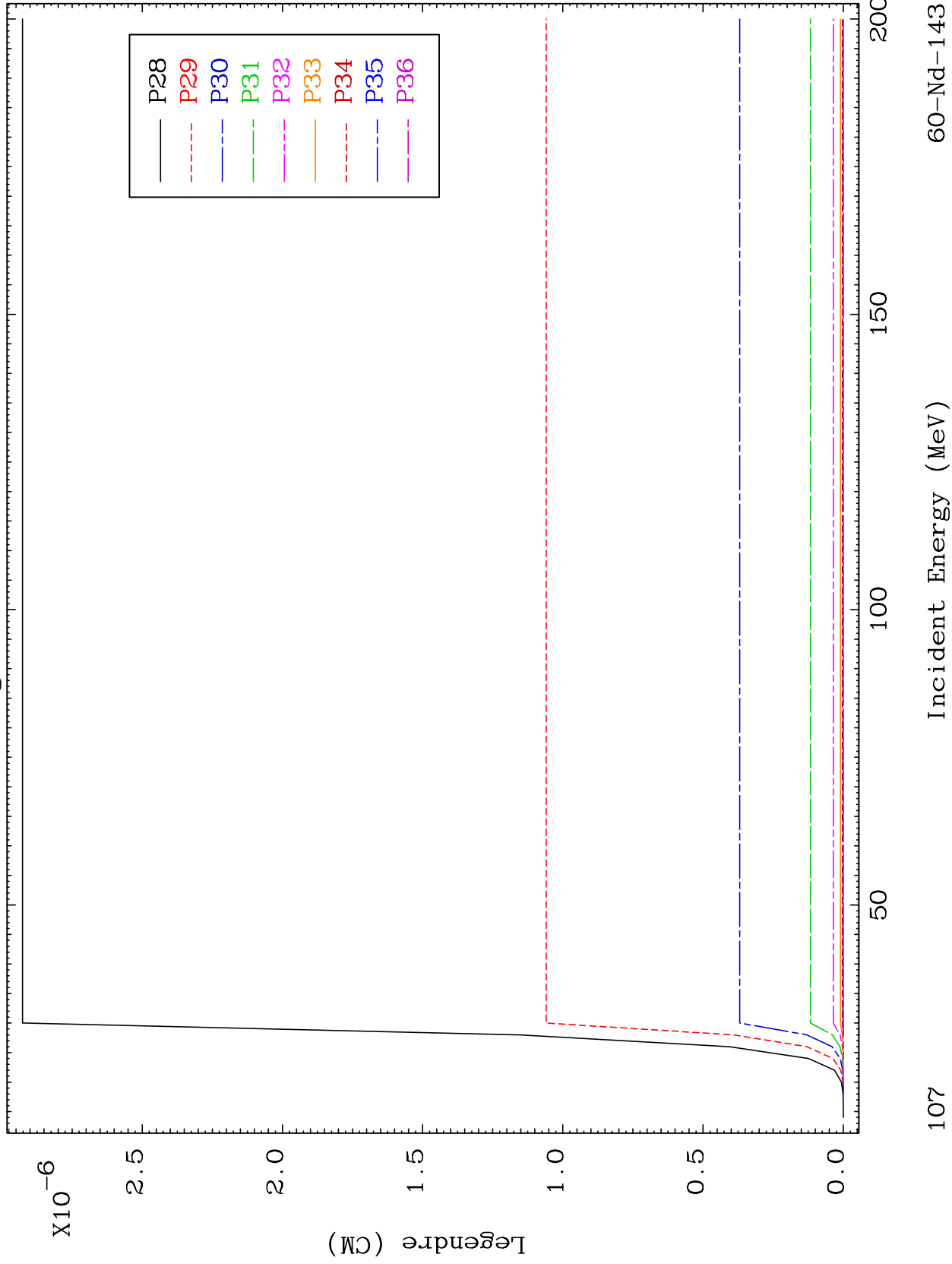
Incident Energy (MeV)

60-Nd-143

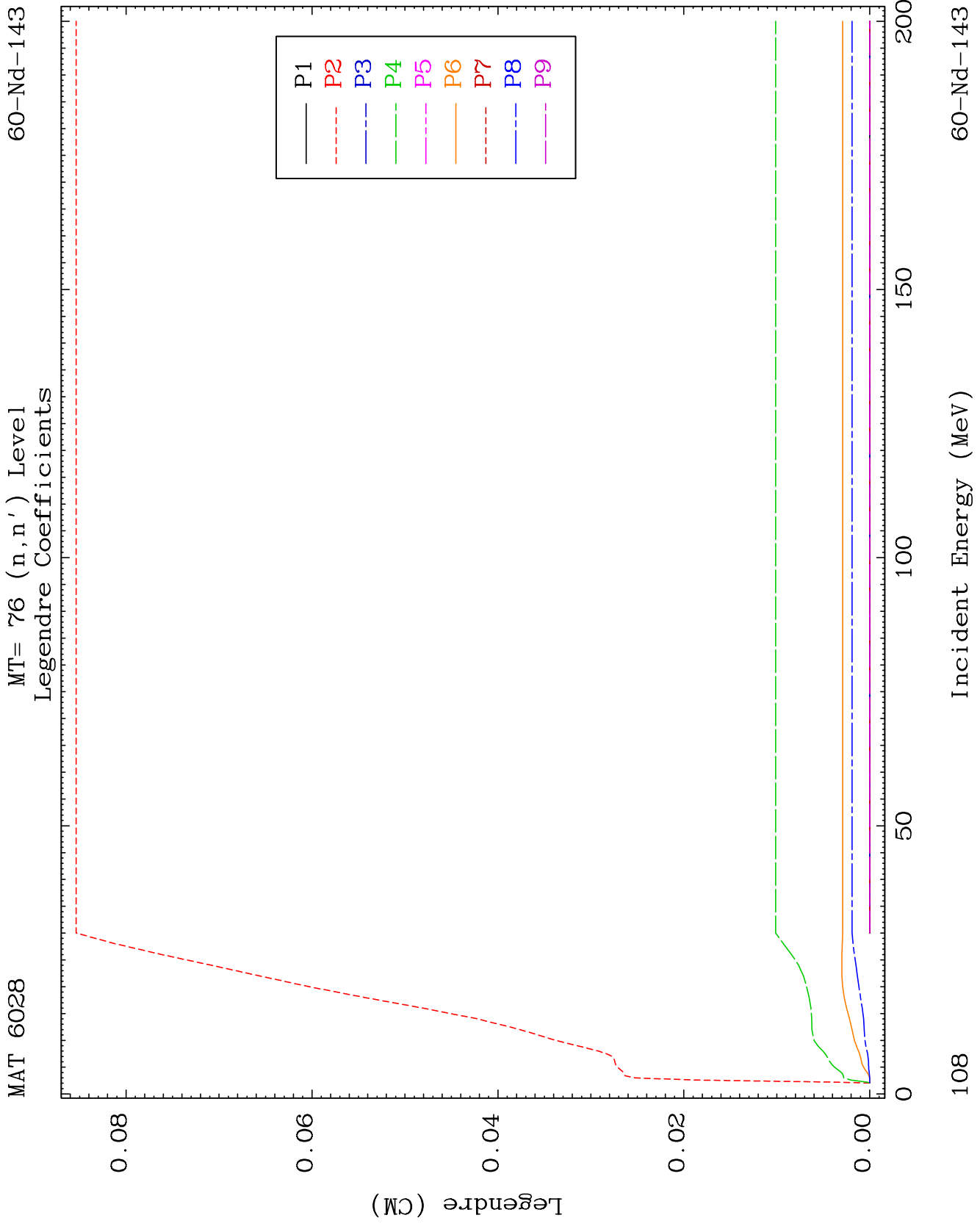
MAT 6028

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

60-Nd-143



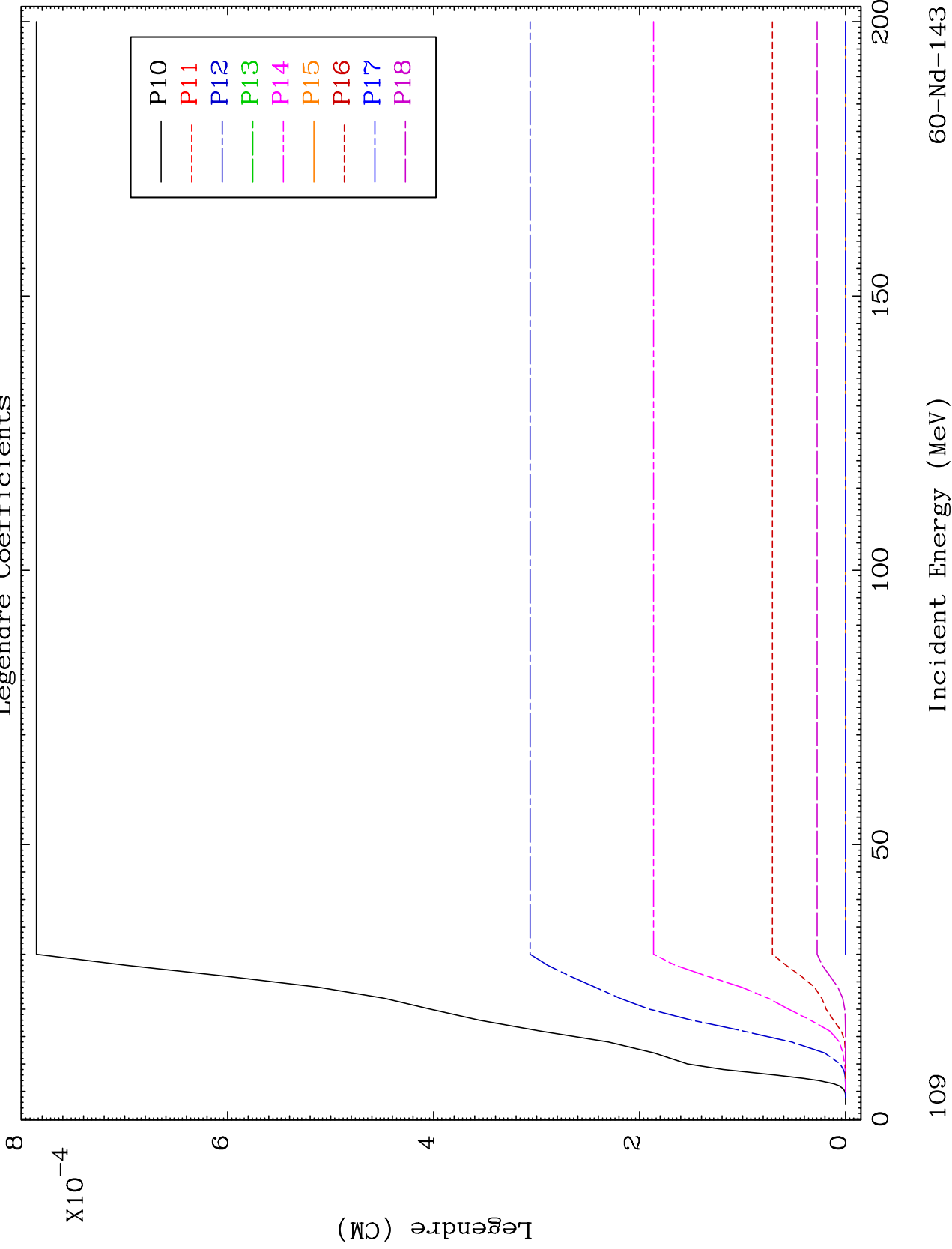
107

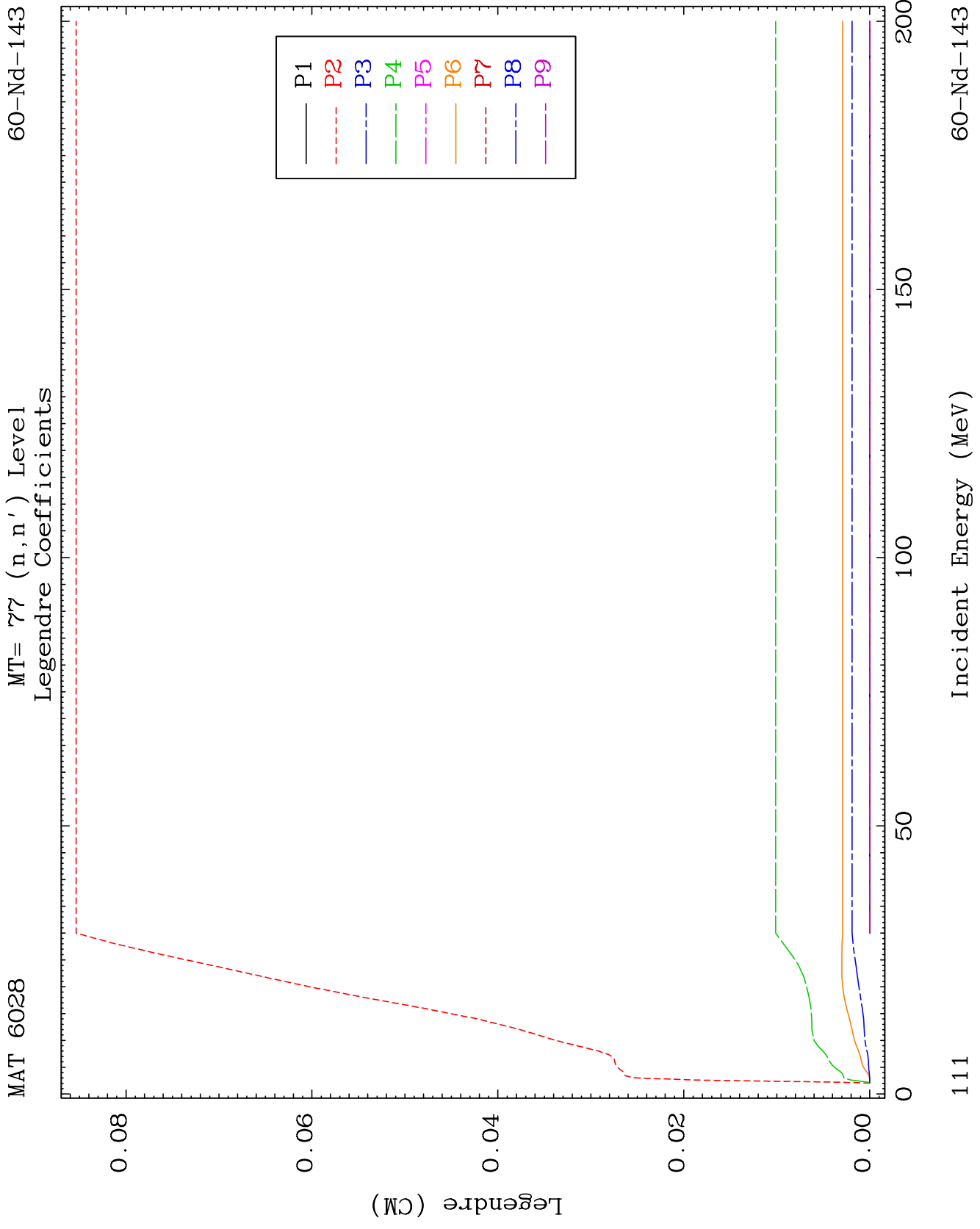


MAT 6028

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

60-Nd-143

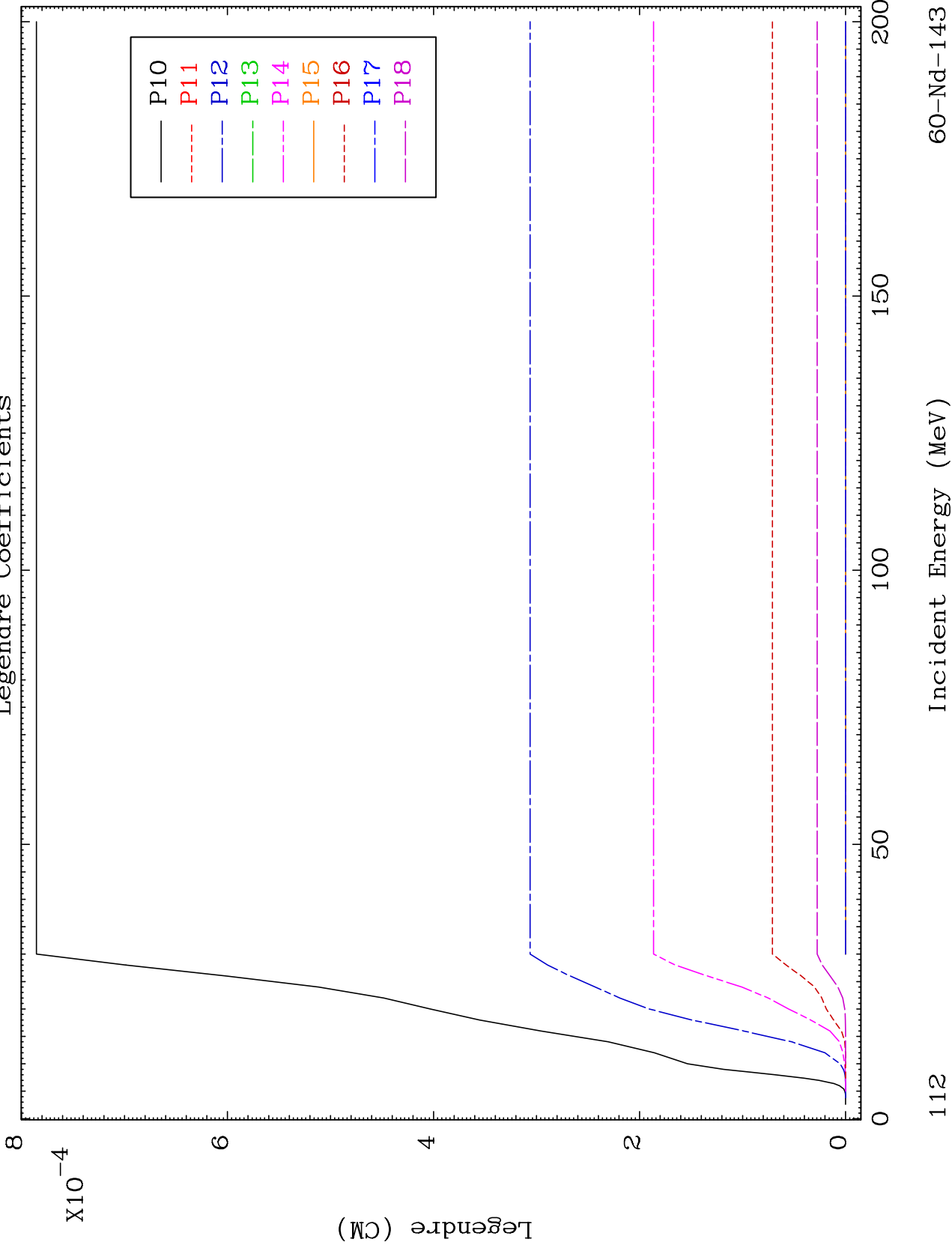




MAT 6028

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

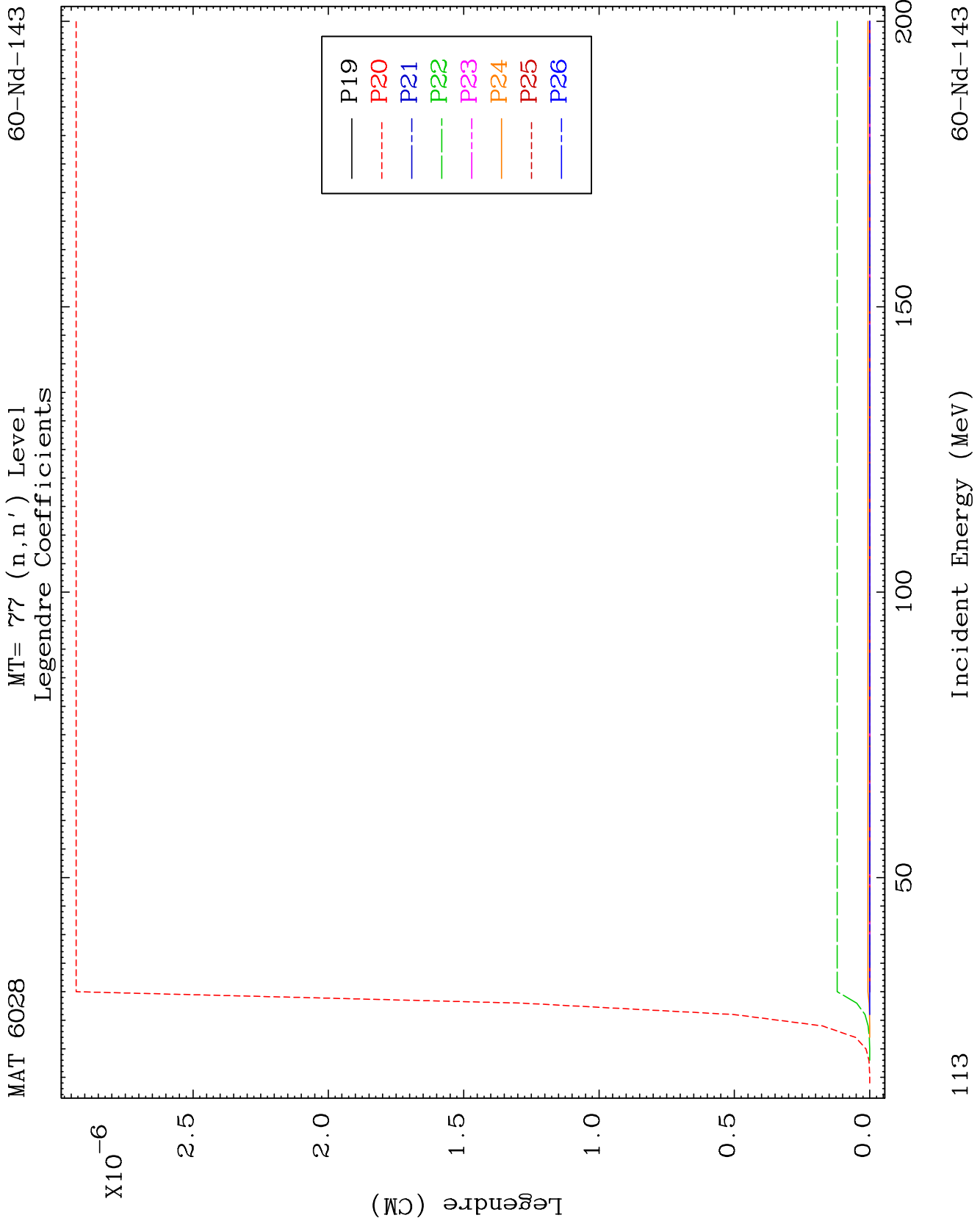
60-Nd-143



112

Incident Energy (MeV)

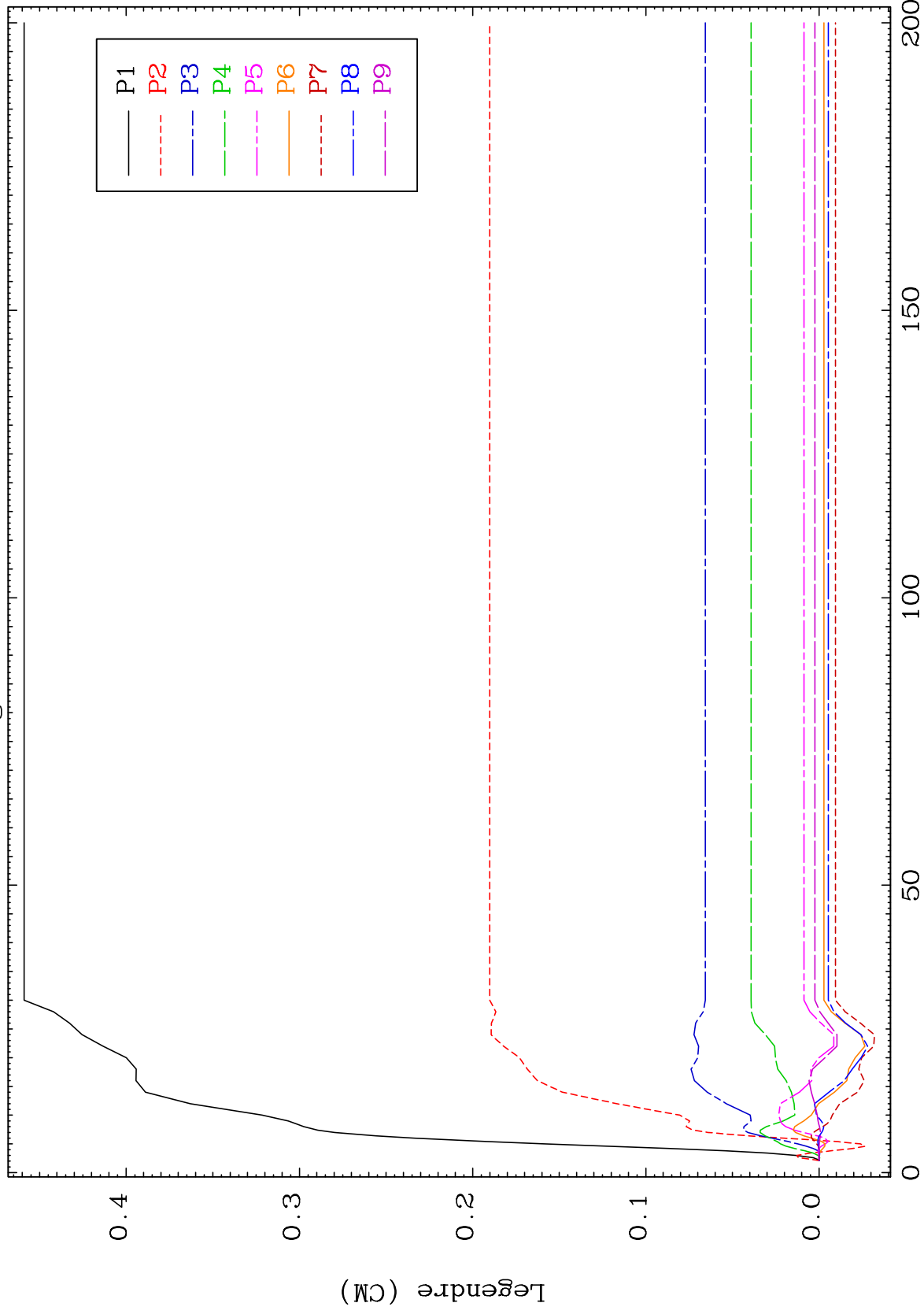
60-Nd-143



MAT 6028

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

60-Nd-143



60-Nd-143

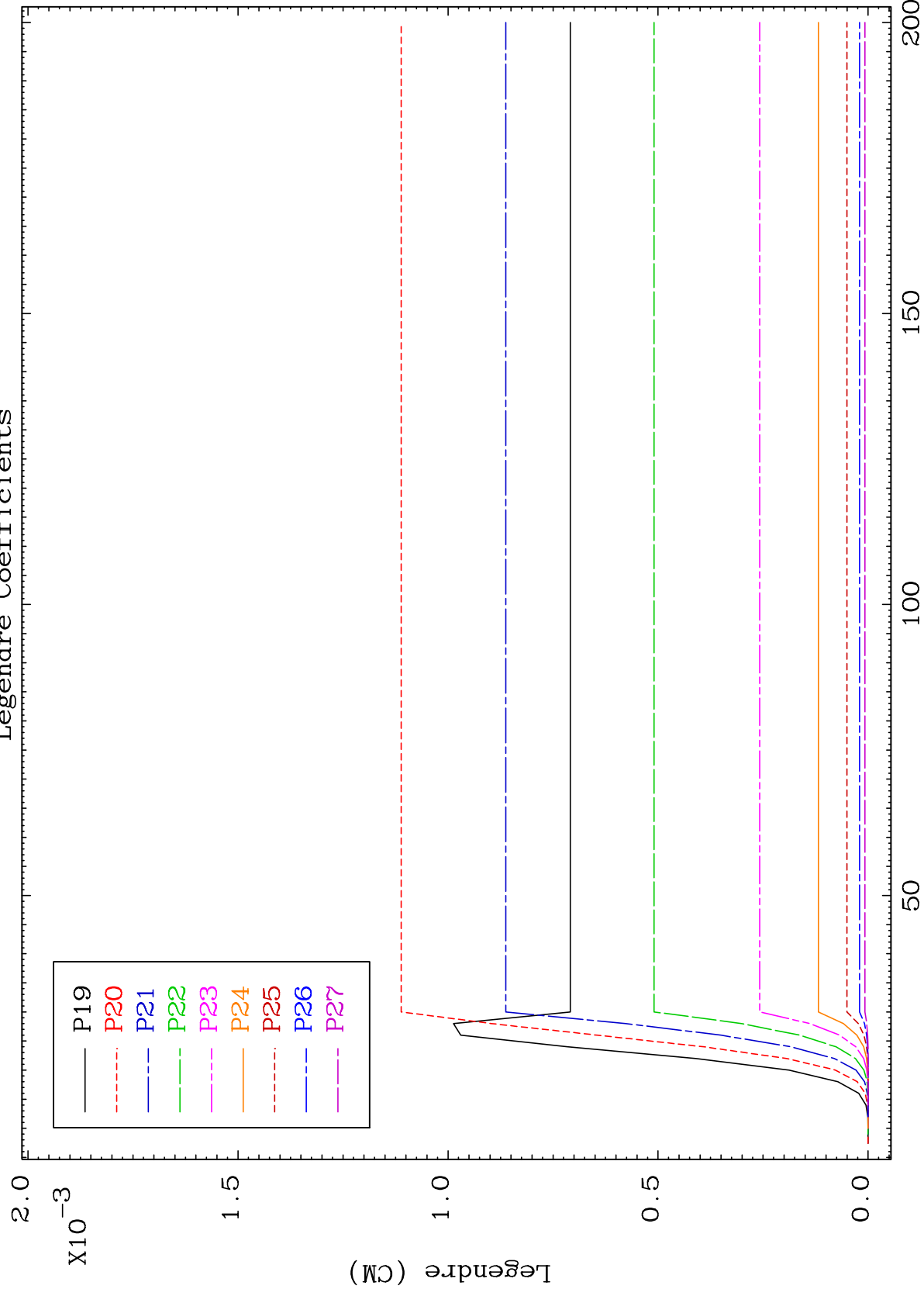
Incident Energy (MeV)

114

MAT 6028

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

60-Nd-143



116

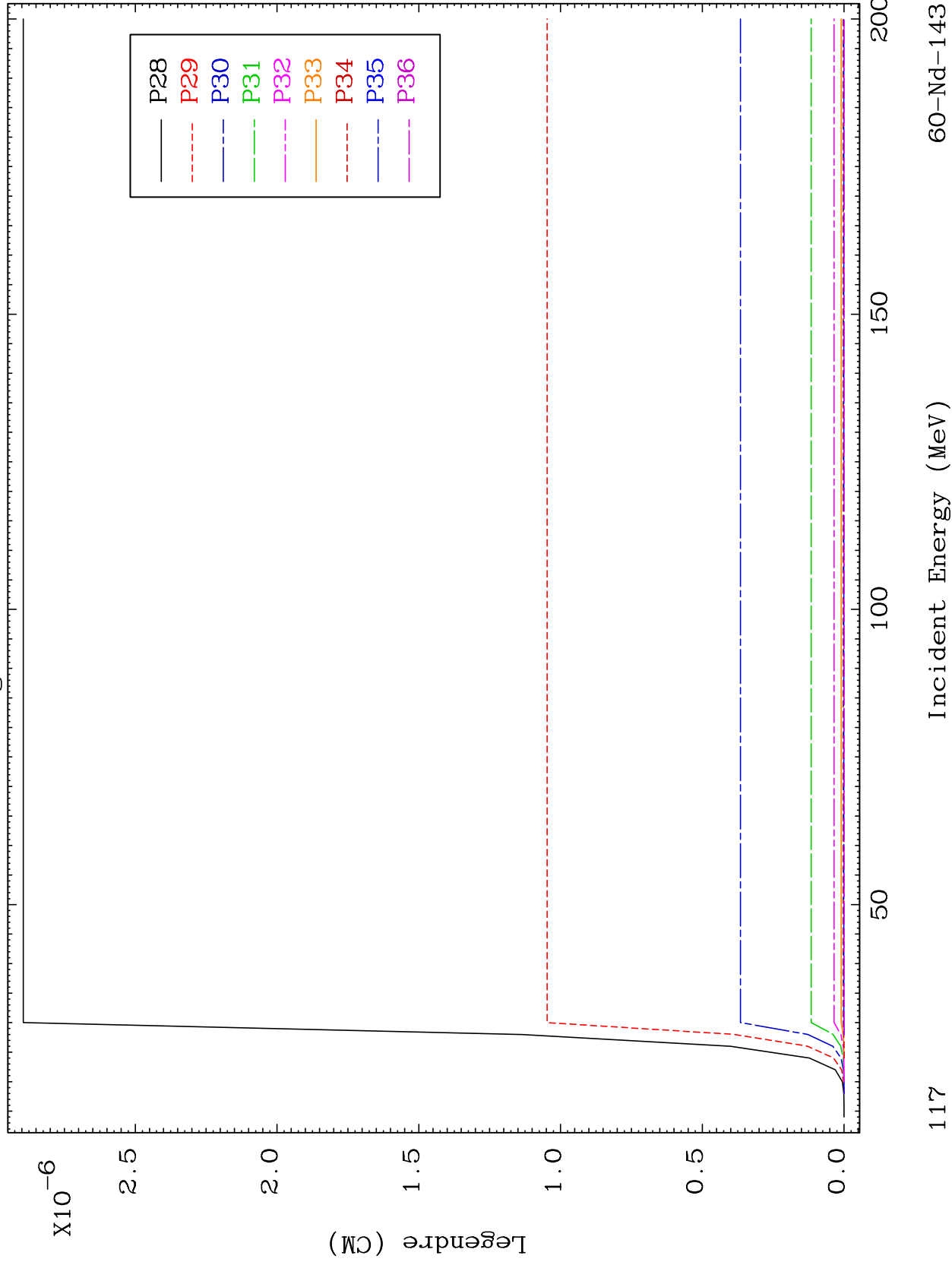
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



117

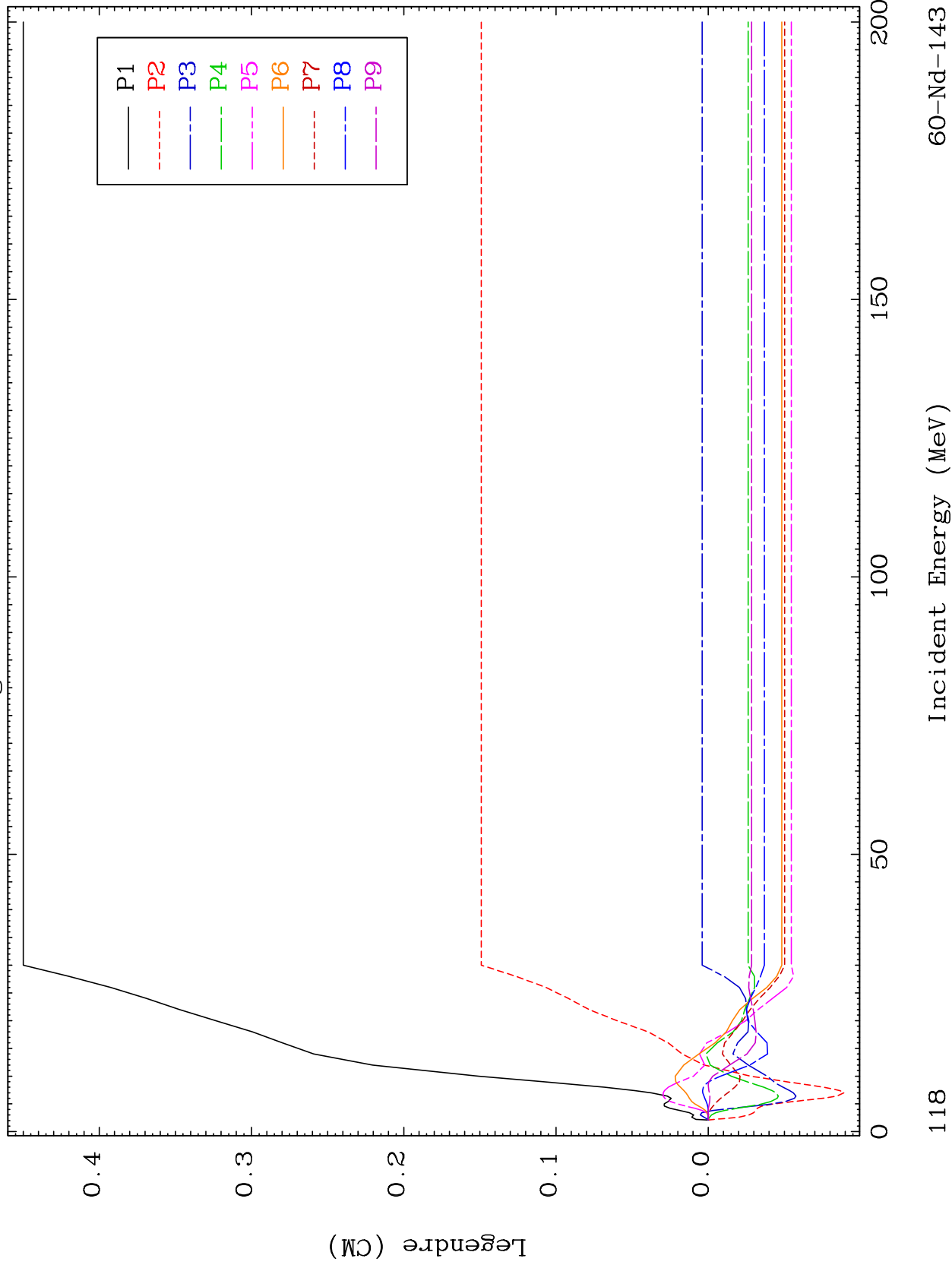
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

60-Nd-143



60-Nd-143

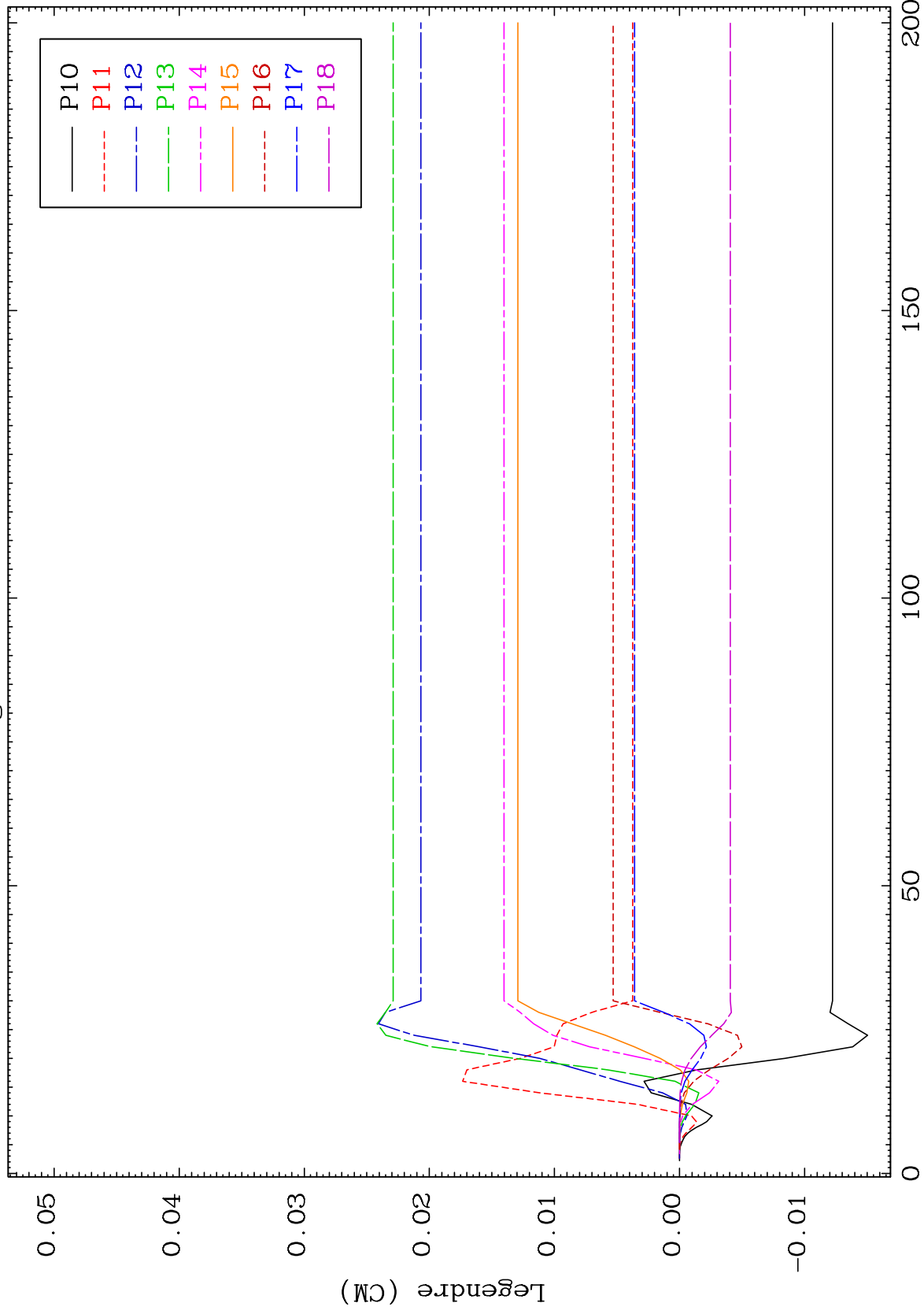
Incident Energy (MeV)

118

MAT 6028

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

60-Nd-143



119

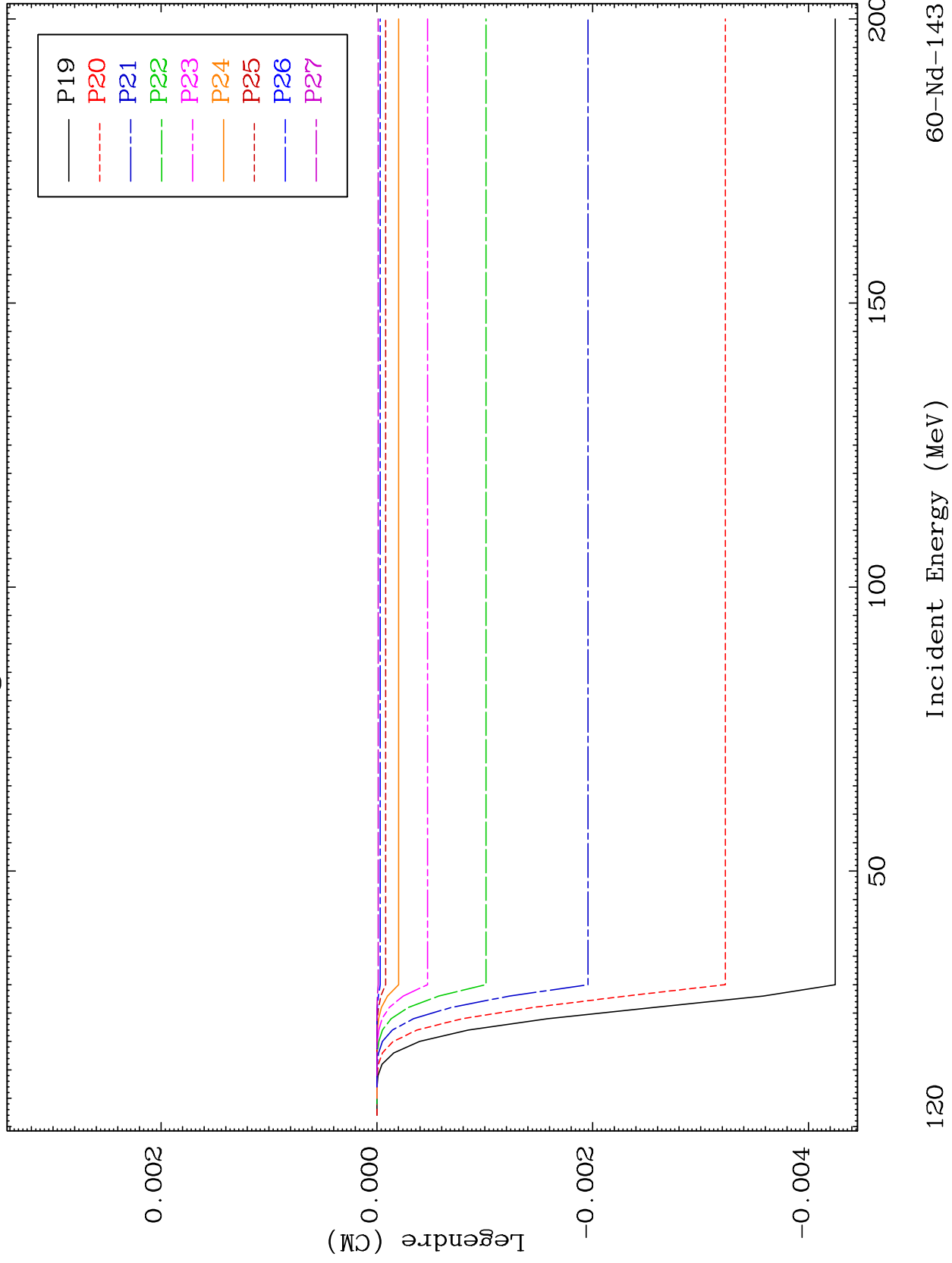
Incident Energy (MeV)

60-Nd-143

MAT 6028

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

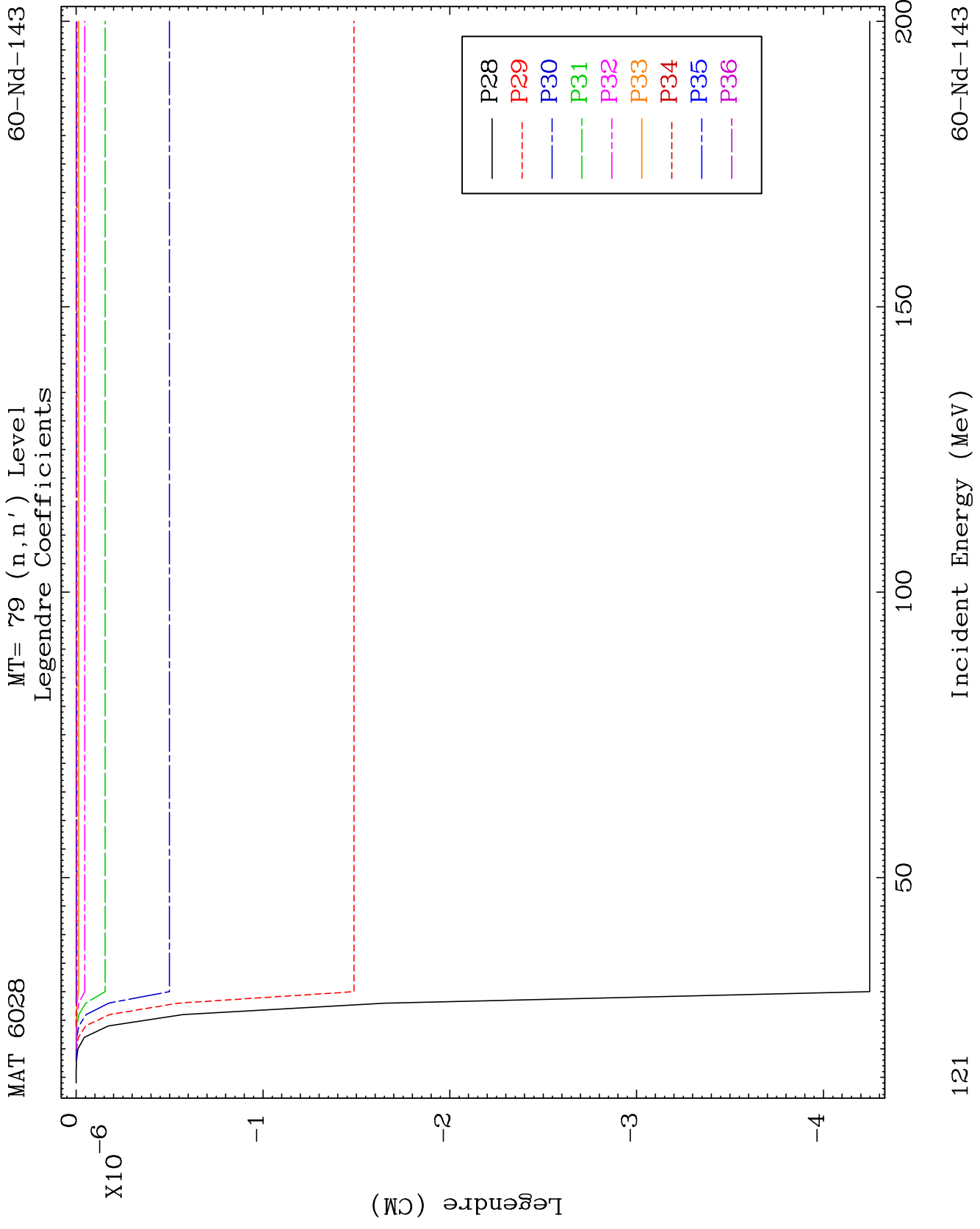
60-Nd-143



60-Nd-143

Incident Energy (MeV)

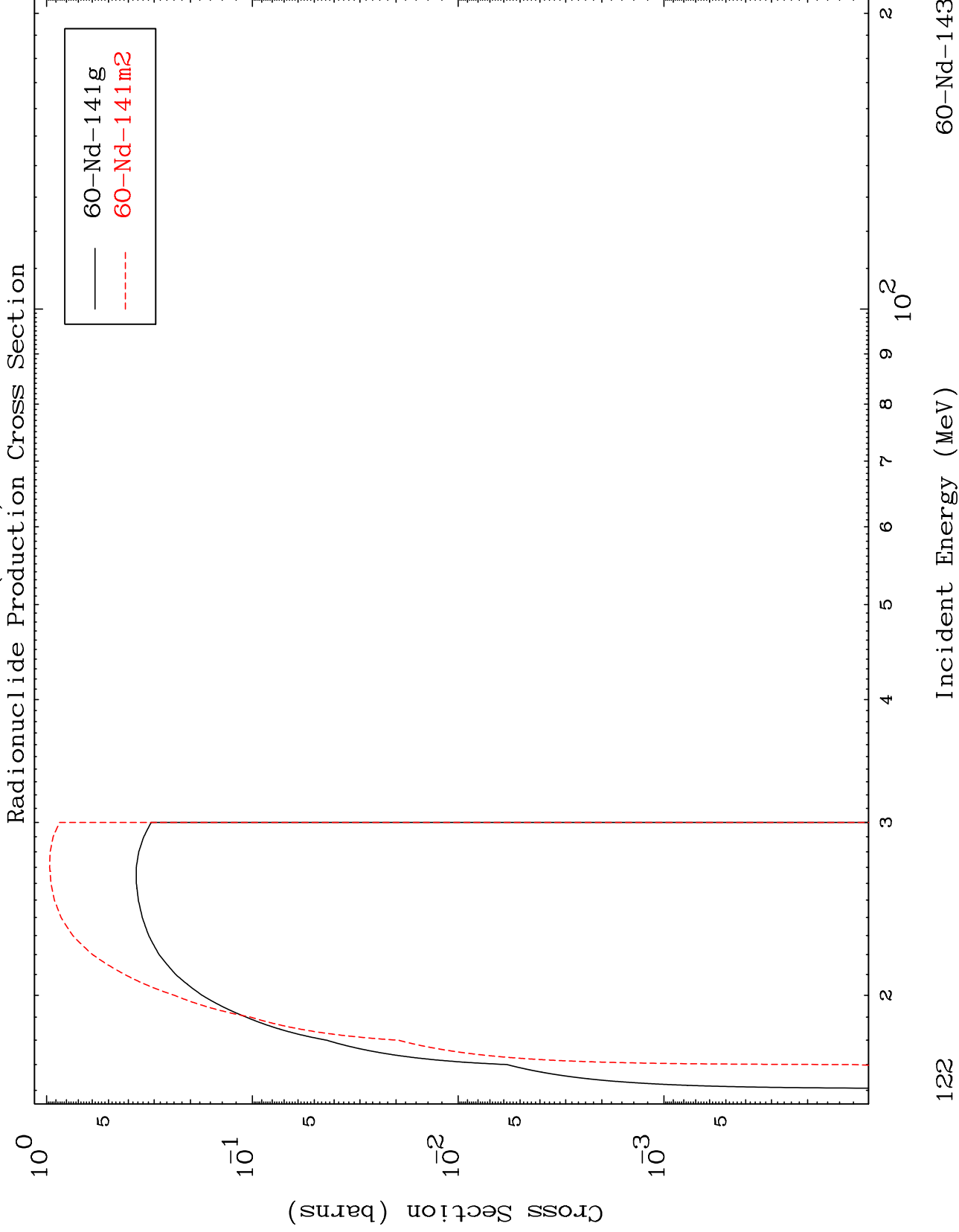
120



MAT 6028

(n,3n)

60-Nd-143



122

Incident Energy (MeV)

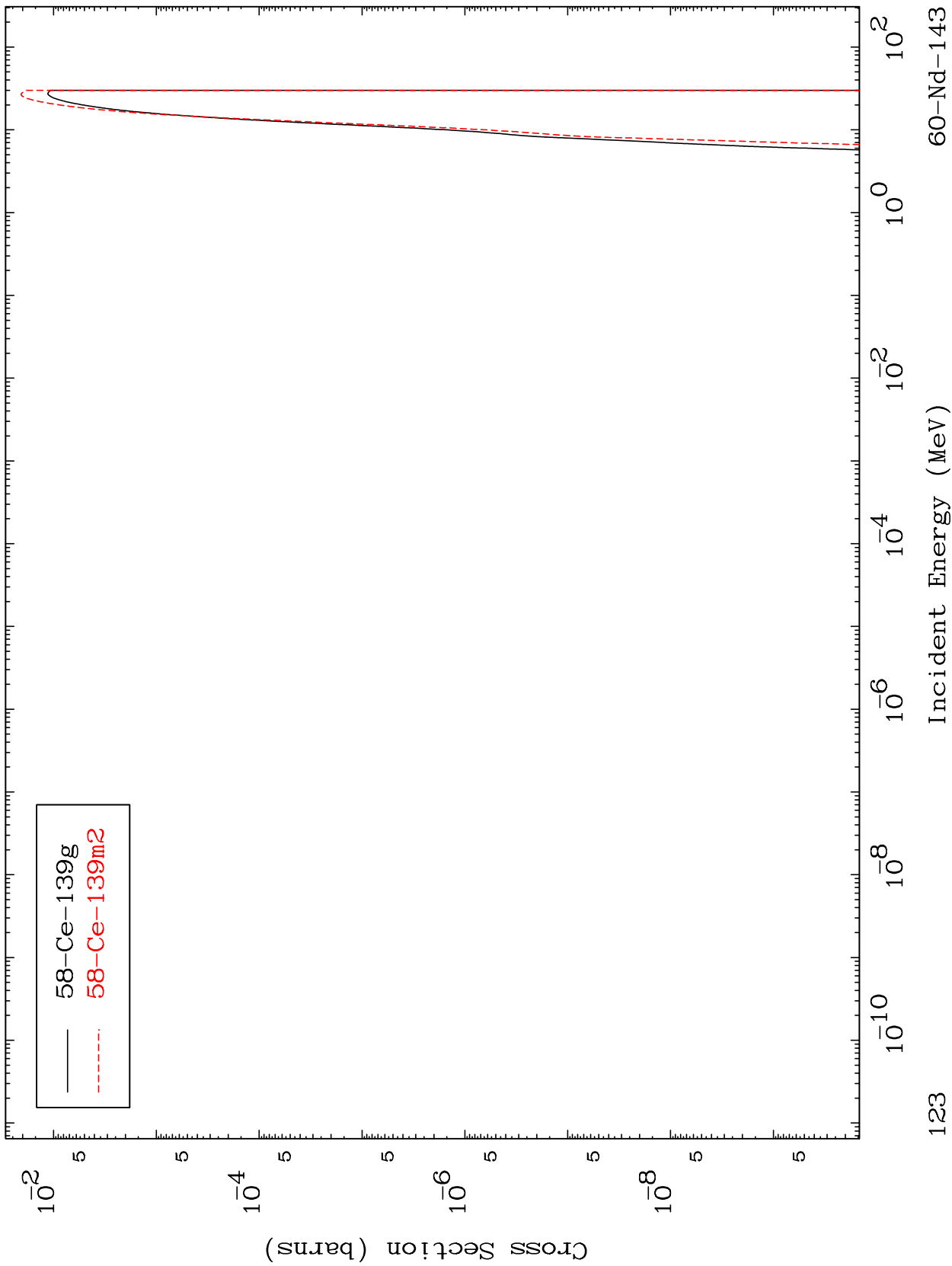
60-Nd-143

MAT 6028

$(n, n') \alpha$

60-Nd-143

Radionuclide Production Cross Section



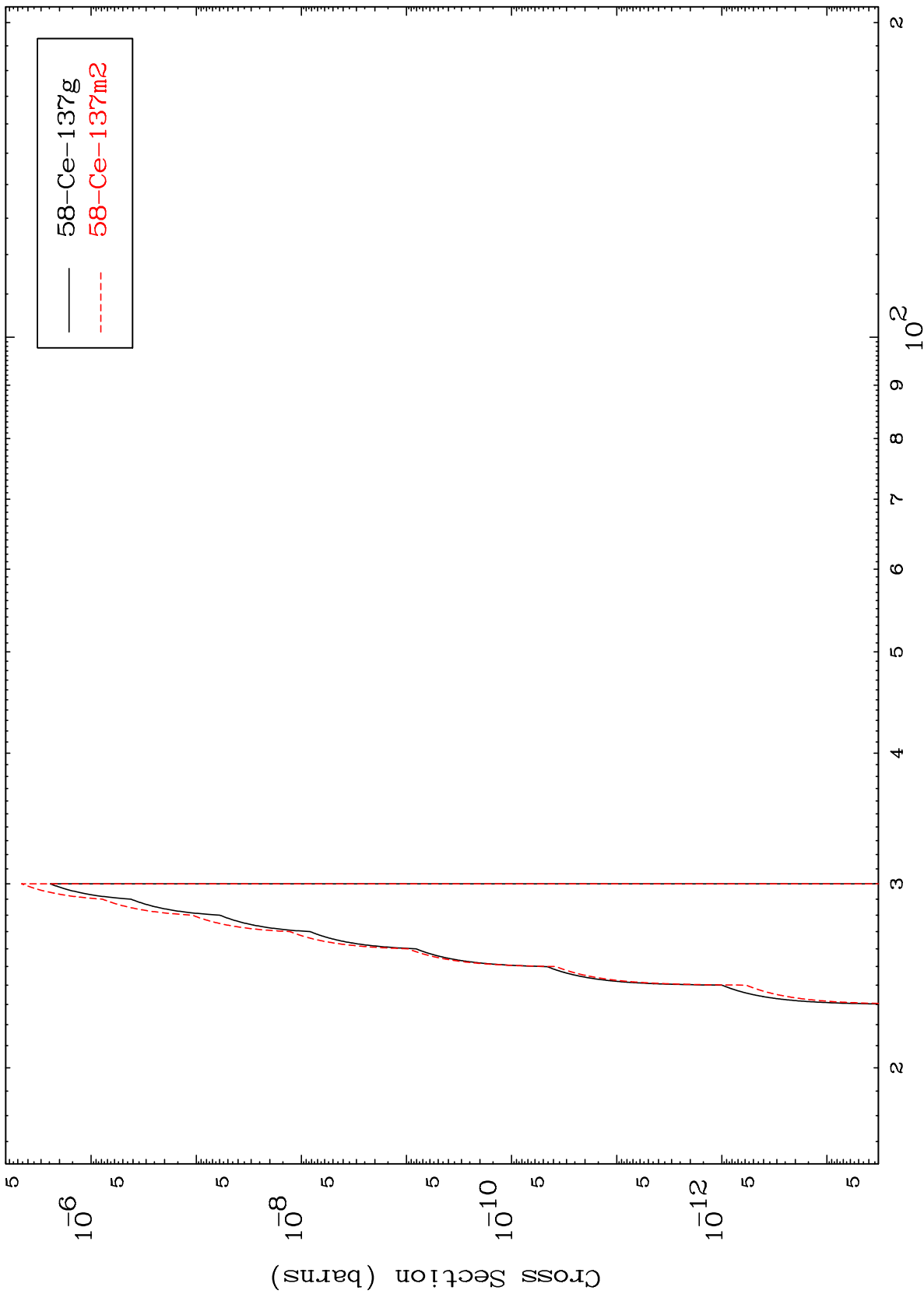
58-Ce-139g
58-Ce-139m2

MAT 6028

$(n,3n) \alpha$

60-Nd-143

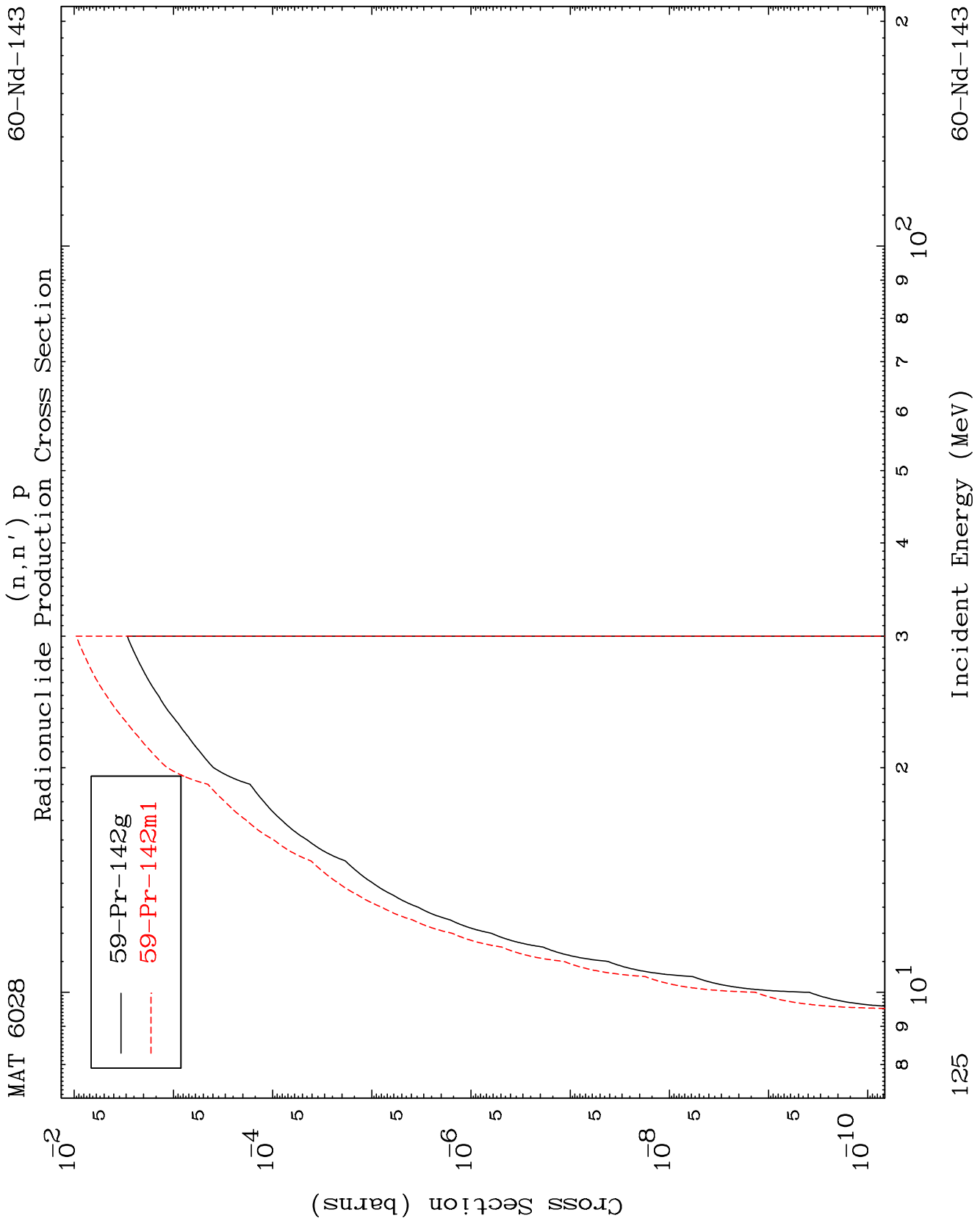
Radionuclide Production Cross Section



124

Incident Energy (MeV)

60-Nd-143

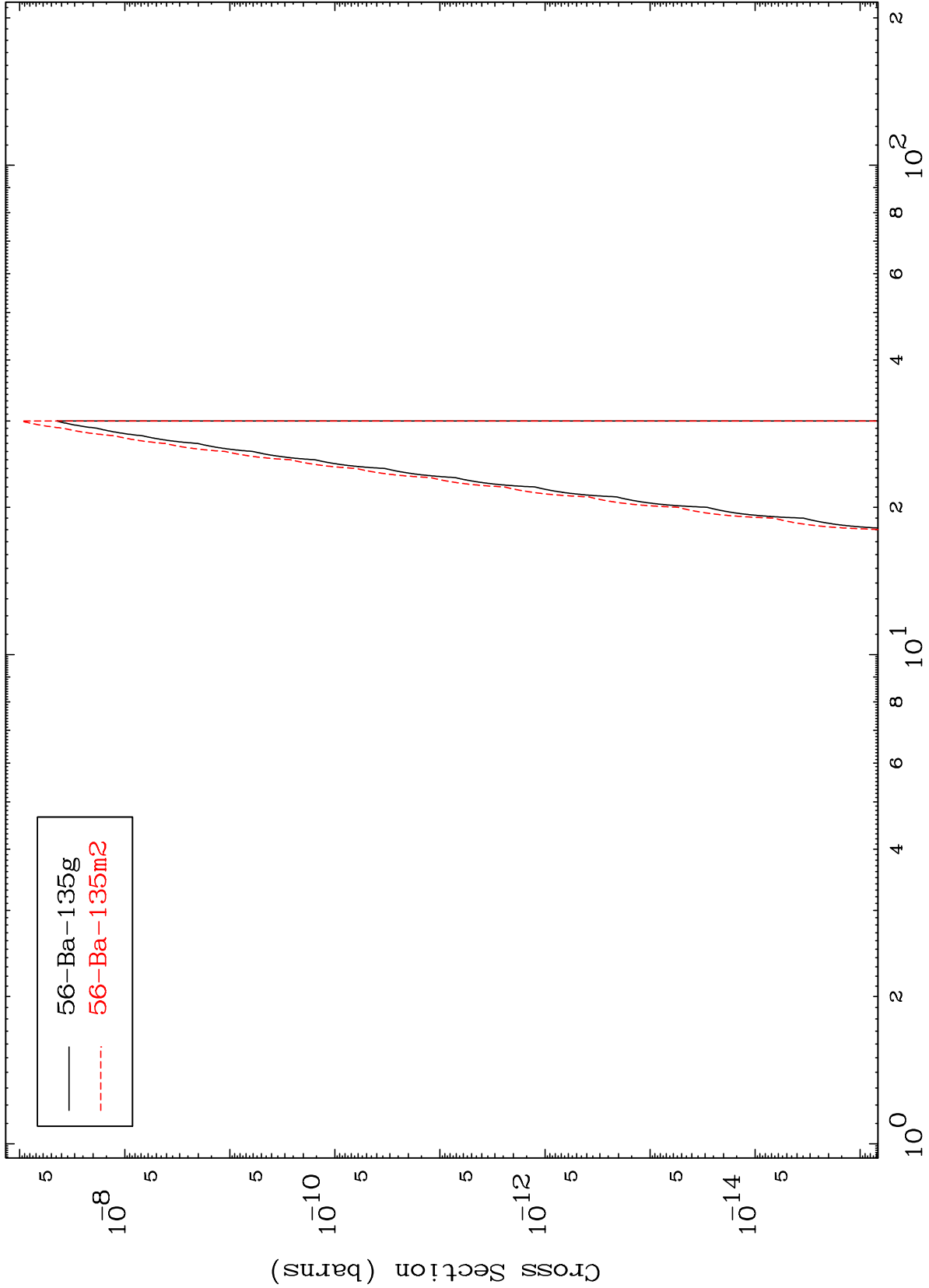


MAT 6028

(n,n') 2 α

60-Nd-143

Radionuclide Production Cross Section



— 56-Ba-135g
- - - 56-Ba-135m2

126

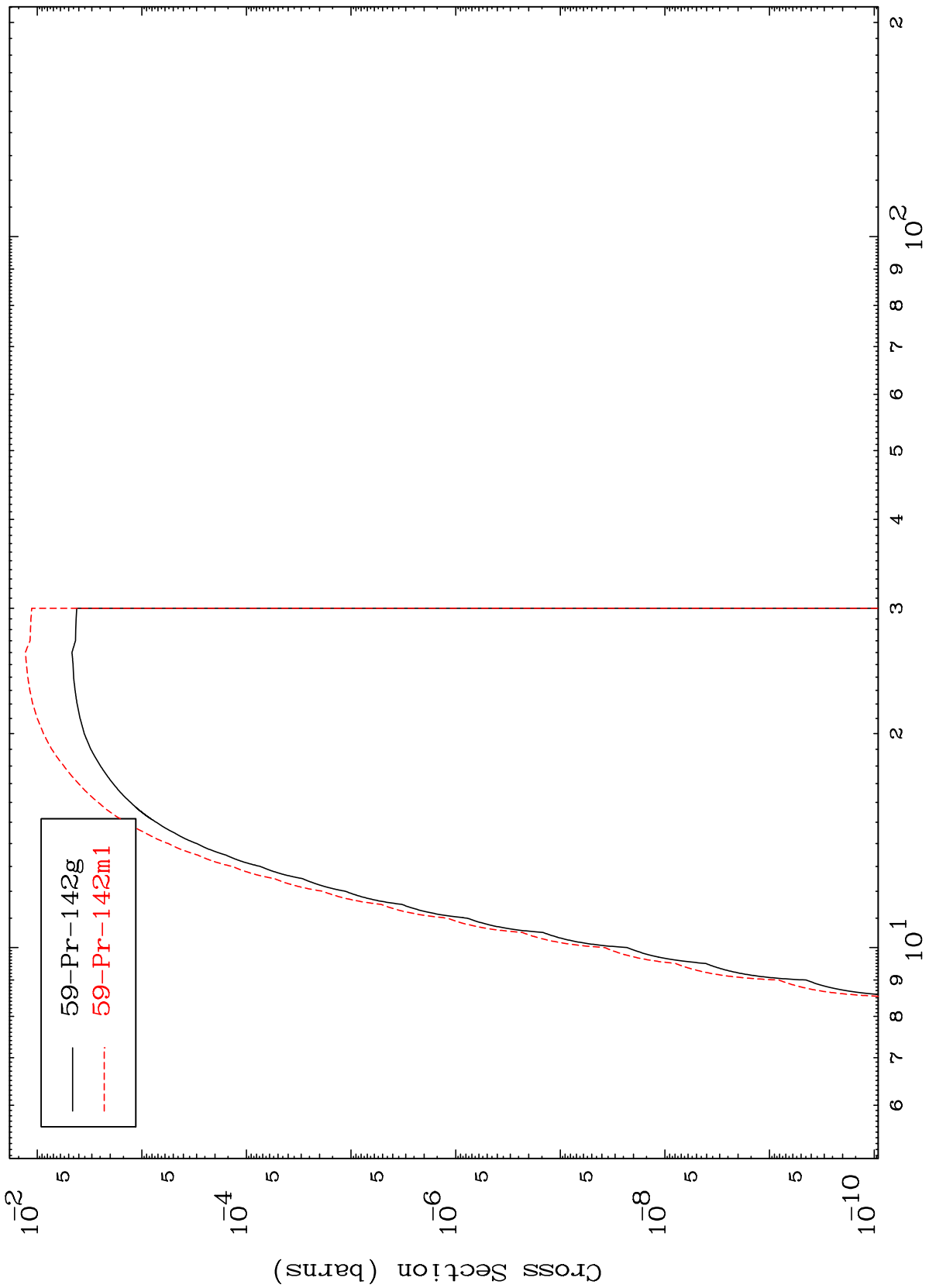
Incident Energy (MeV)

60-Nd-143

MAT 6028

60-Nd-143

(n,d)
Radionuclide Production Cross Section



— 59-Pr-142g
- - - 59-Pr-142m1

127

Incident Energy (MeV)

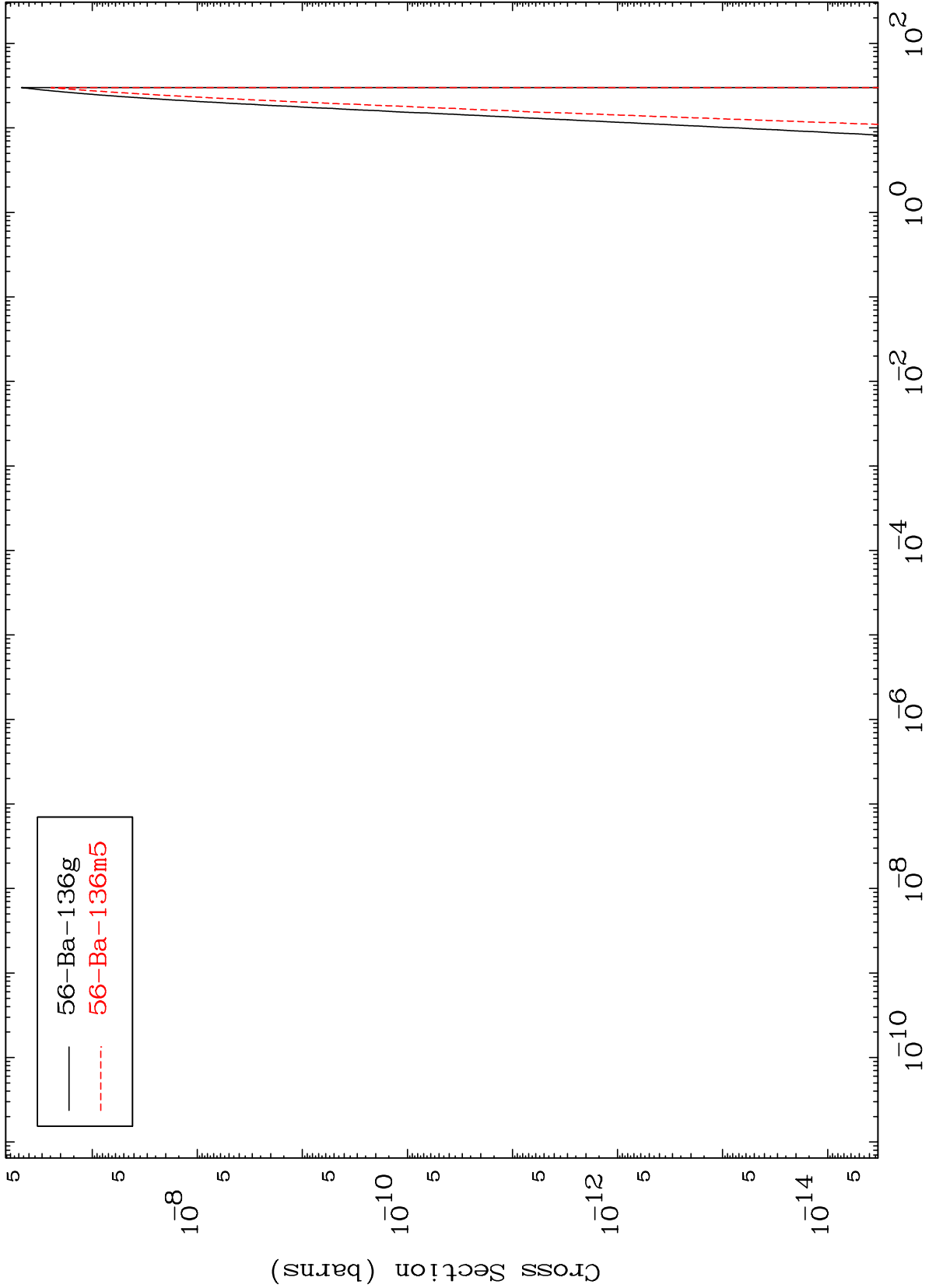
60-Nd-143

MAT 6028

(n,2α)

60-Nd-143

Radionuclide Production Cross Section



56-Ba-136g
56-Ba-136m5

128

Incident Energy (MeV)

60-Nd-143