

Program EVALPLOT
(Version 2021-1)

by

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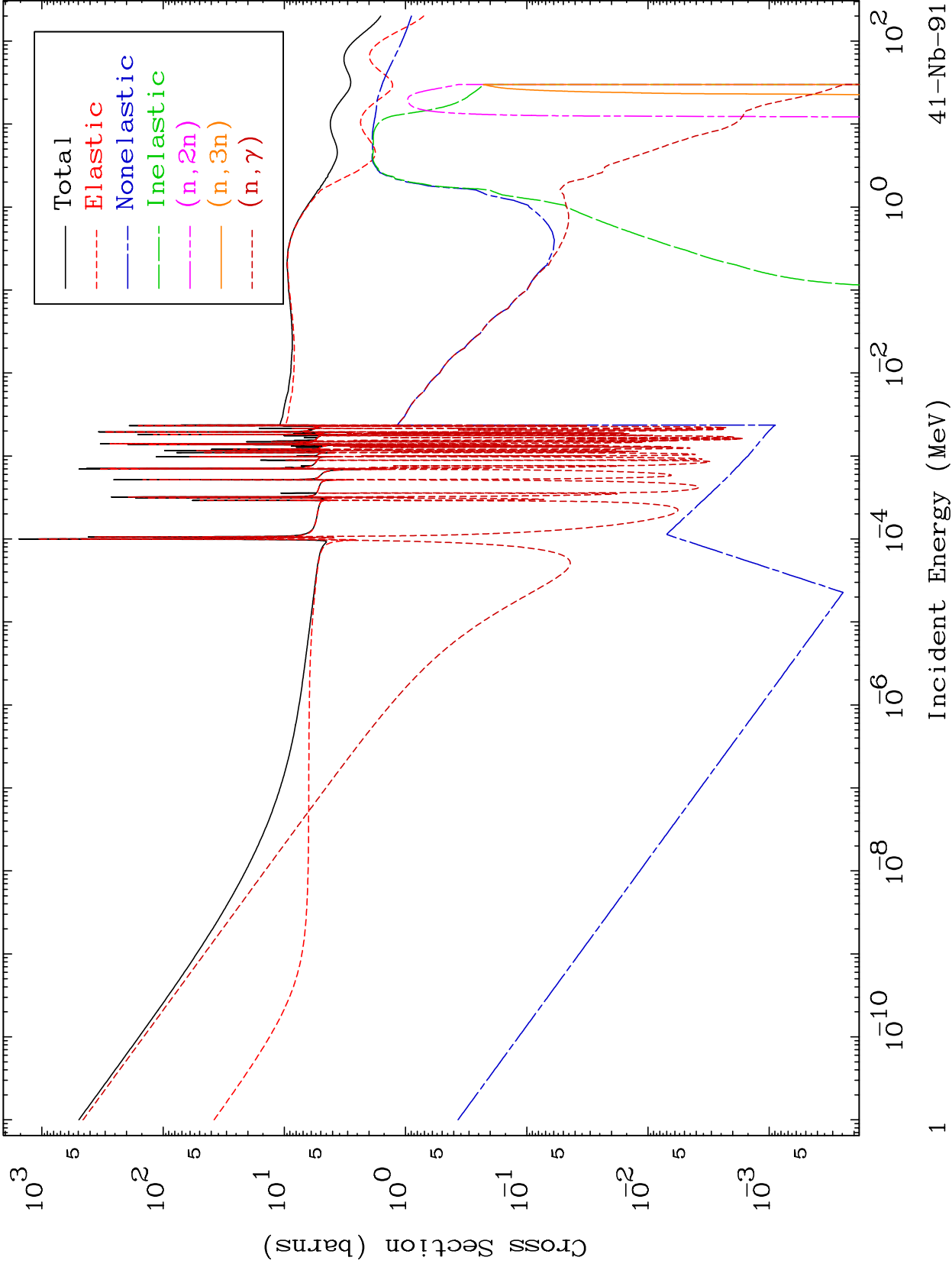
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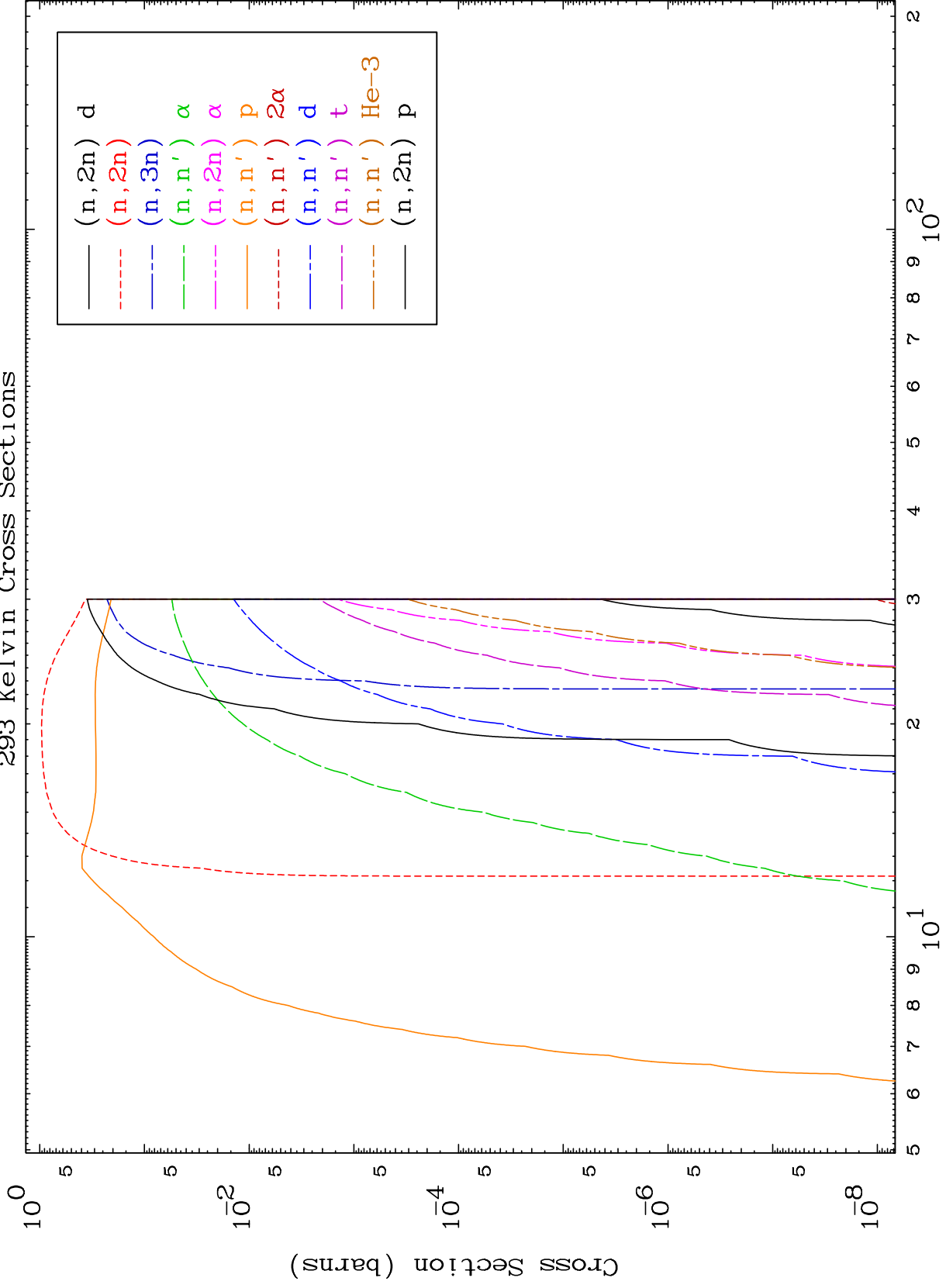
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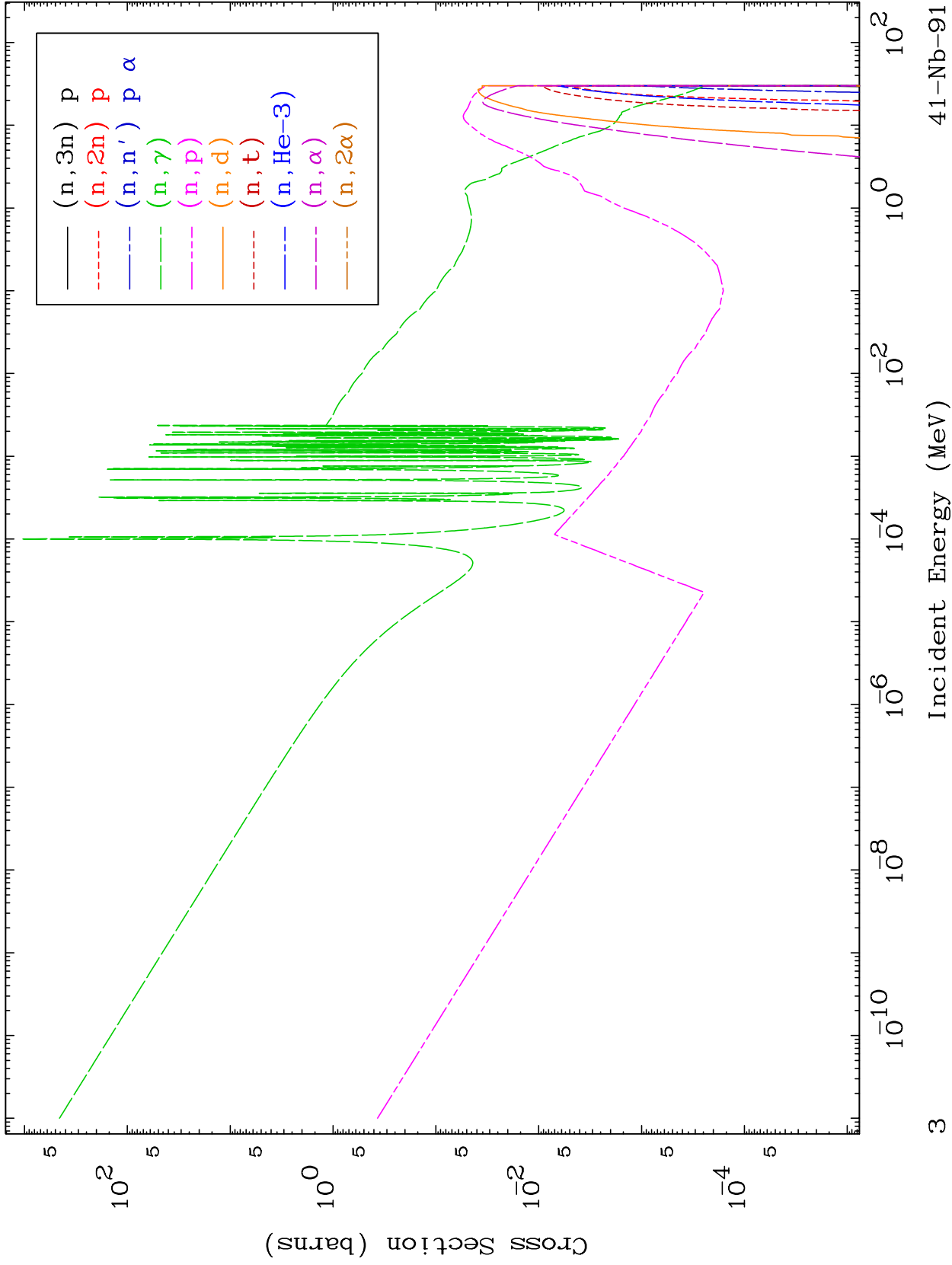
MAT 4119

Neutron Major
293 Kelvin Cross Sections

41-Nb-91



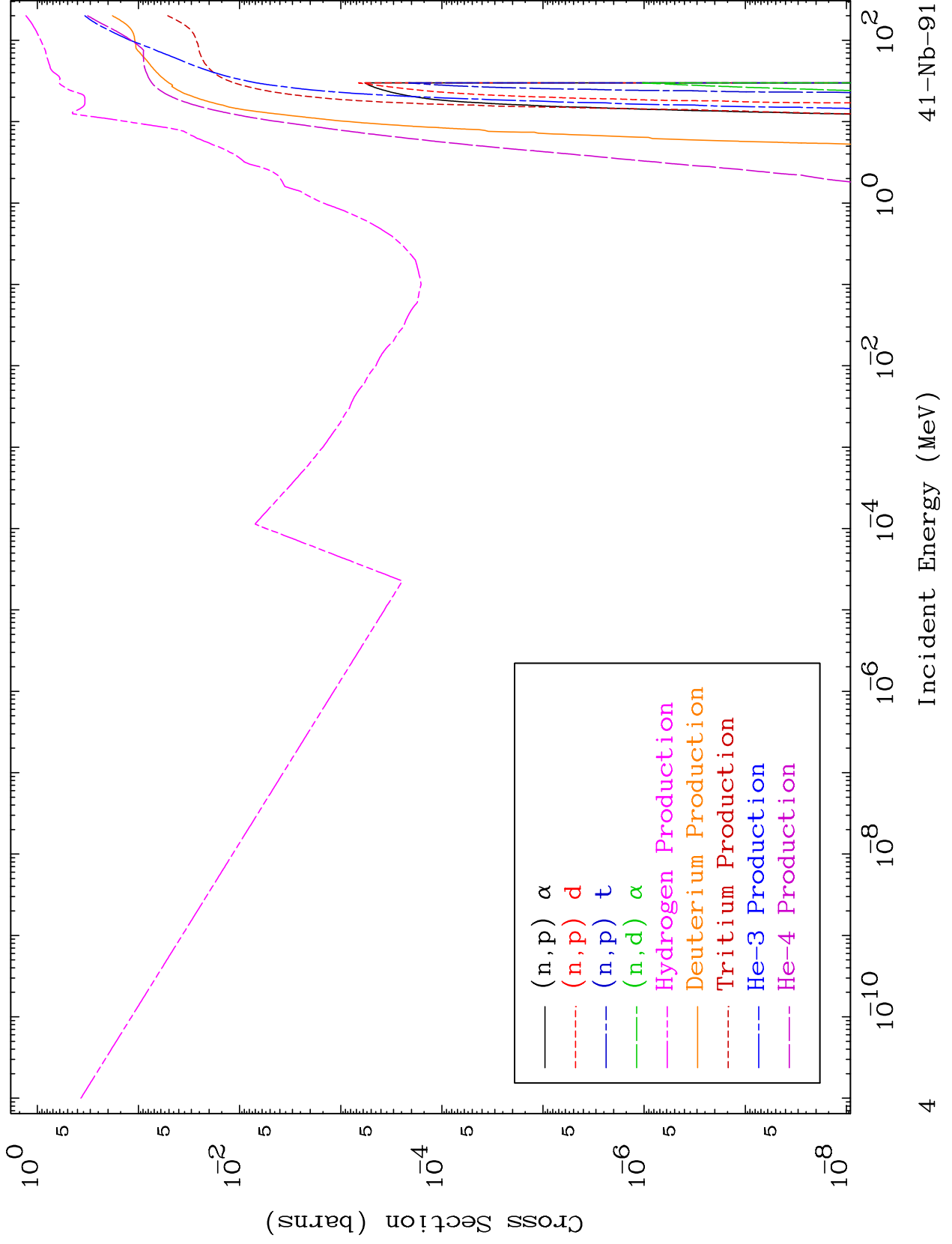




MAT 4119

Neutron Absorption
293 Kelvin Cross Sections

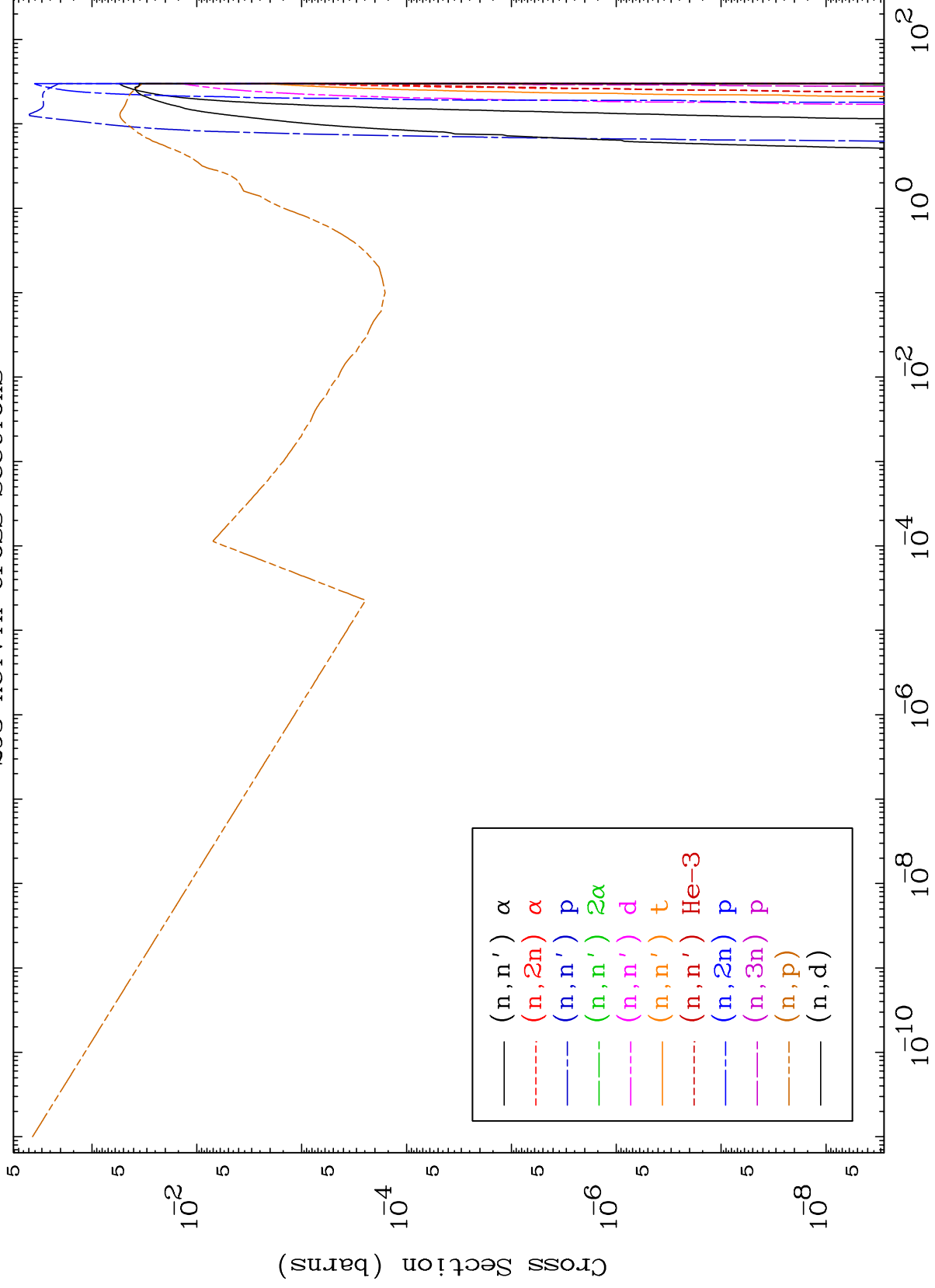
41-Nb-91



MAT 4119

Charged Particle
293 Kelvin Cross Sections

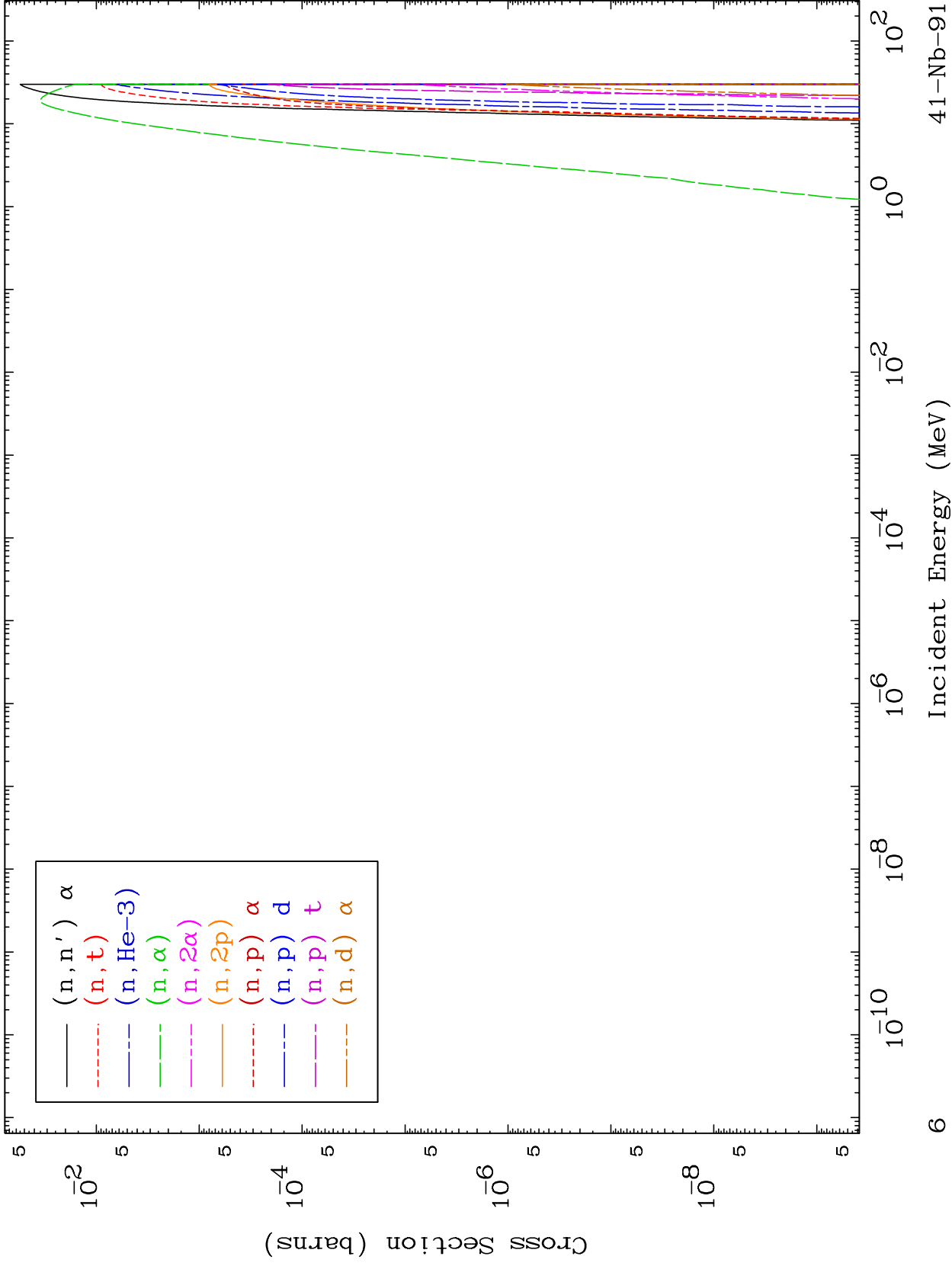
41-Nb-91



MAT 4119

Charged Particle
293 Kelvin Cross Sections

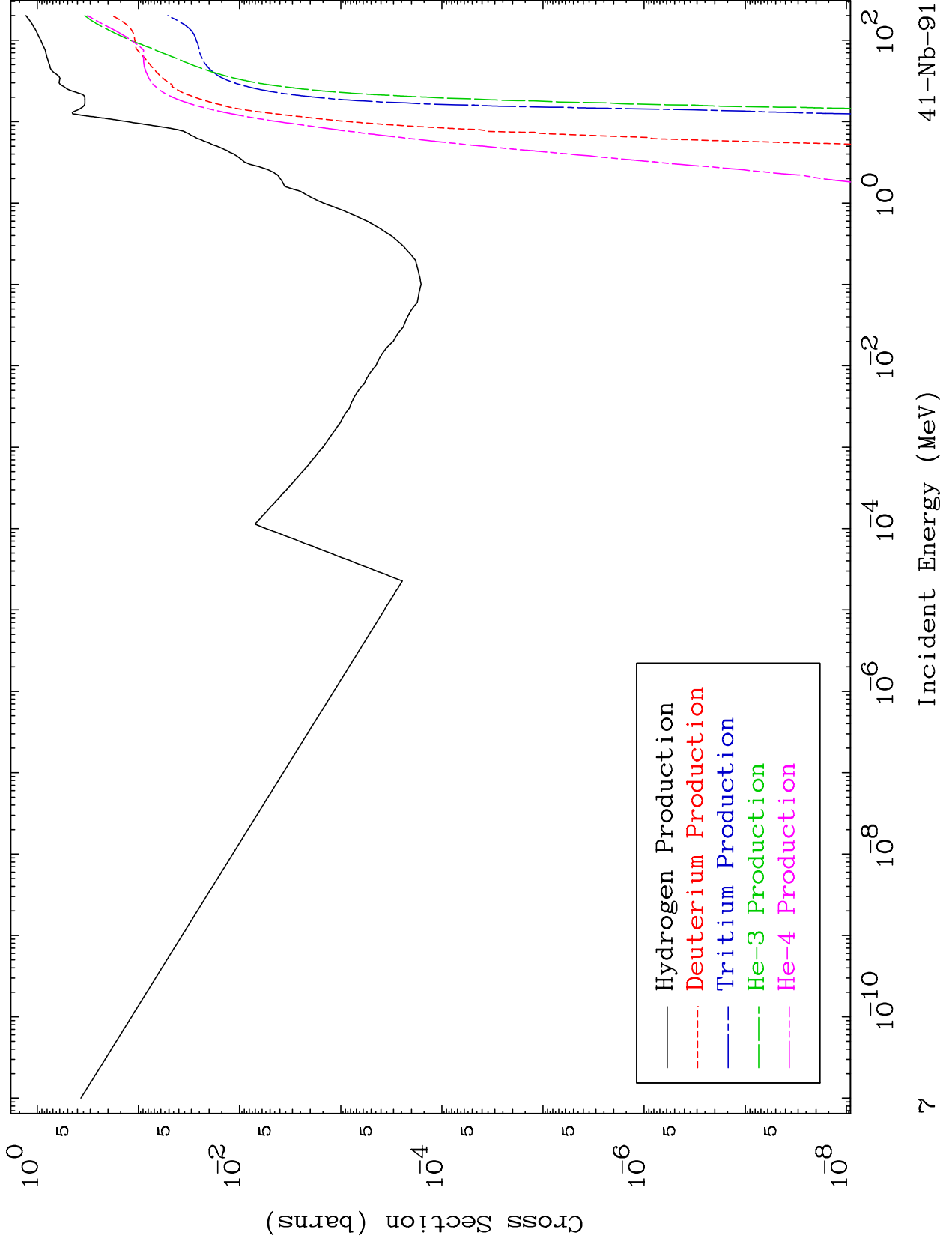
41-Nb-91



MAT 4119

Particle Production
293 Kelvin Cross Sections

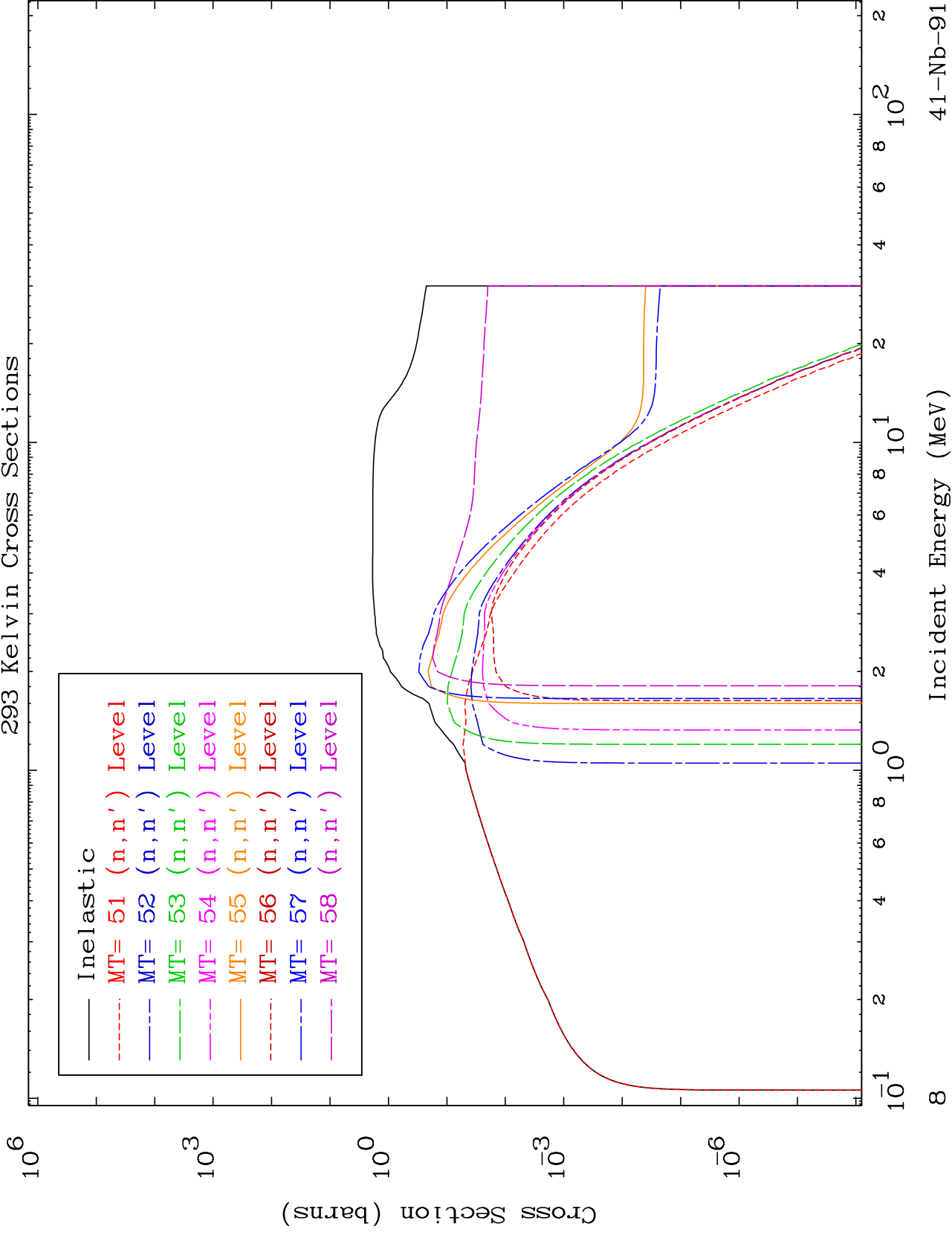
41-Nb-91



MAT 4119

(n,n') Levels
293 Kelvin Cross Sections

41-Nb-91



41-Nb-91

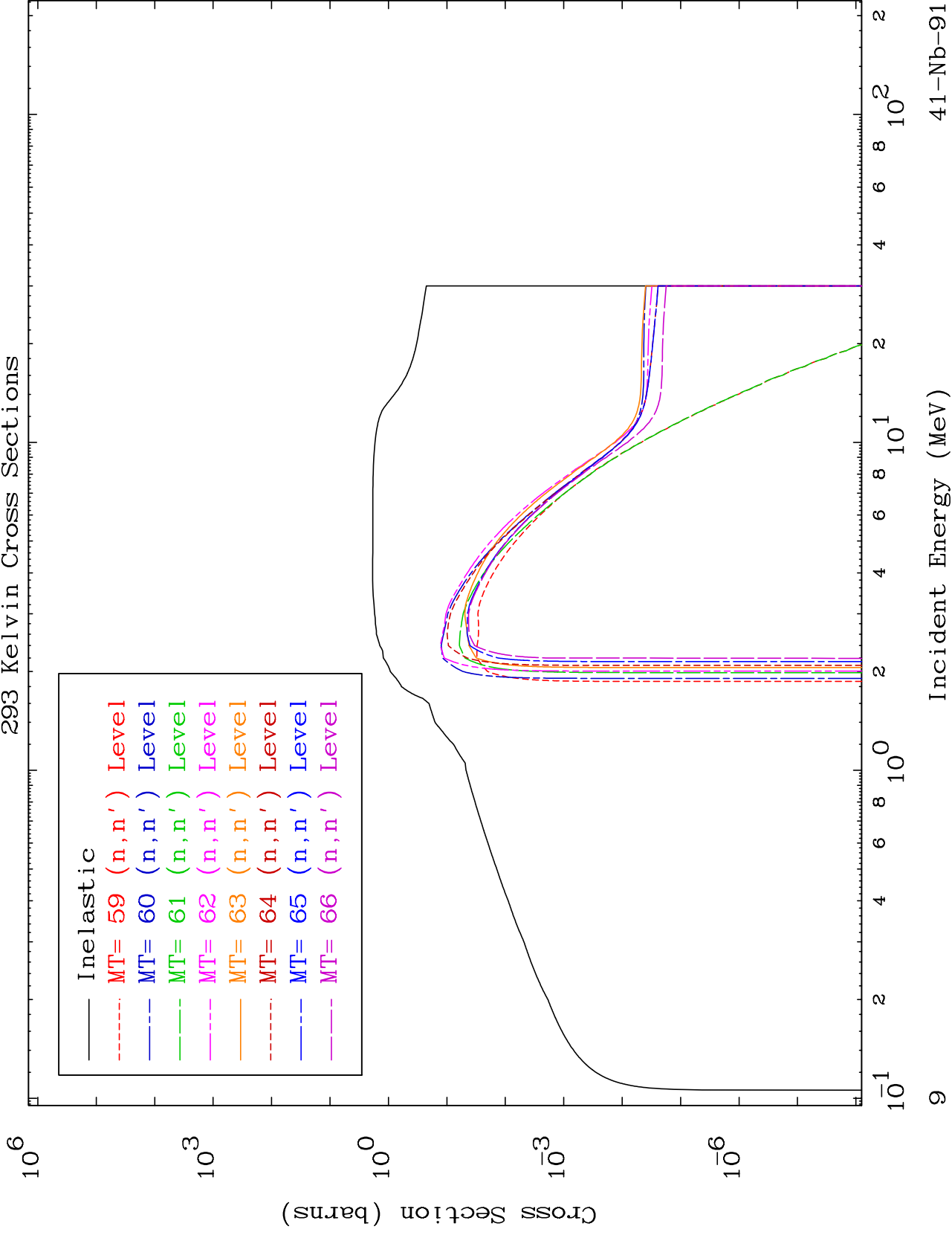
Incident Energy (MeV)

8

MAT 4119

(n,n') Levels
293 Kelvin Cross Sections

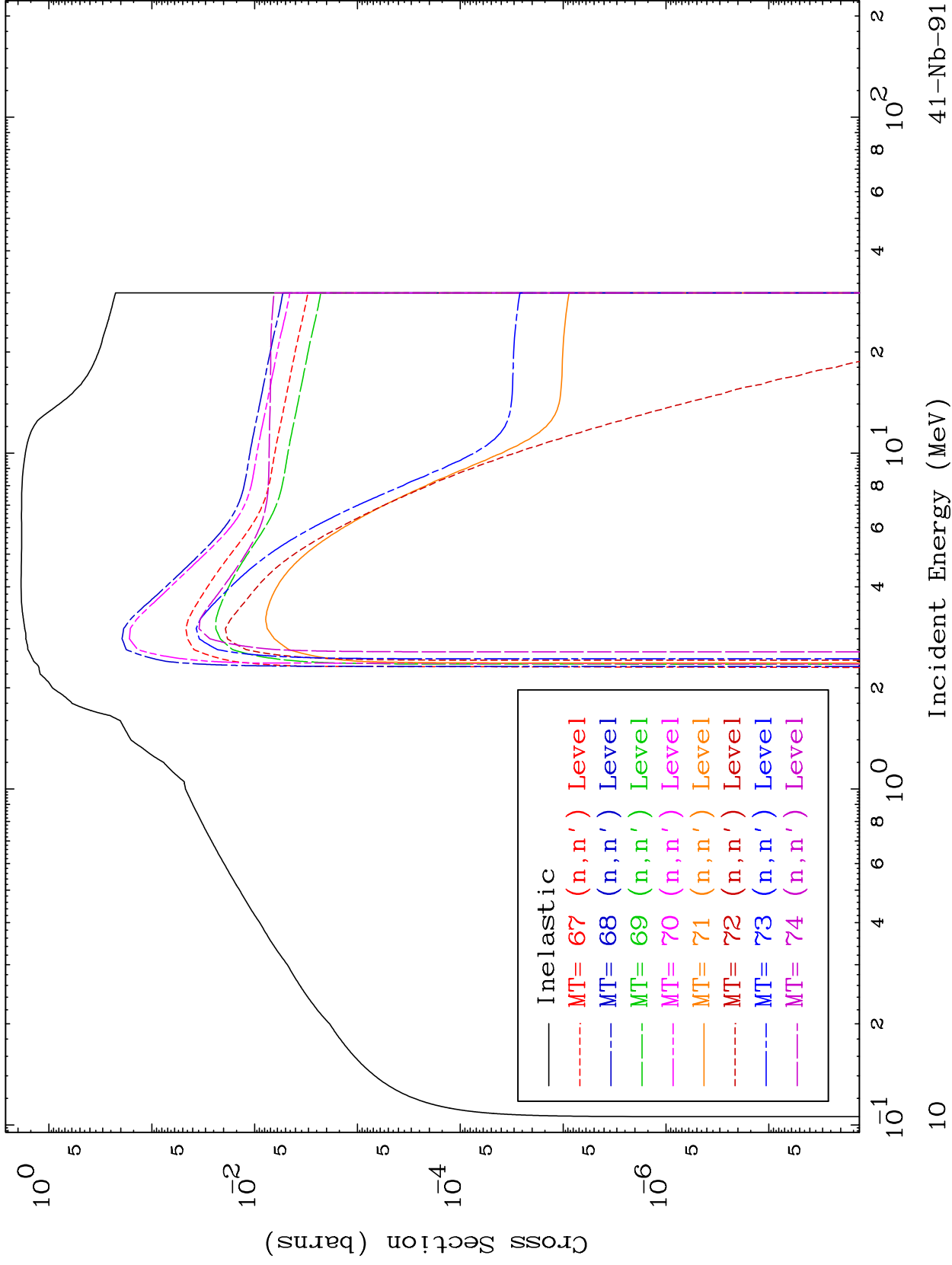
41-Nb-91



MAT 4119

293 Kelvin Cross Sections
(n,n') Levels

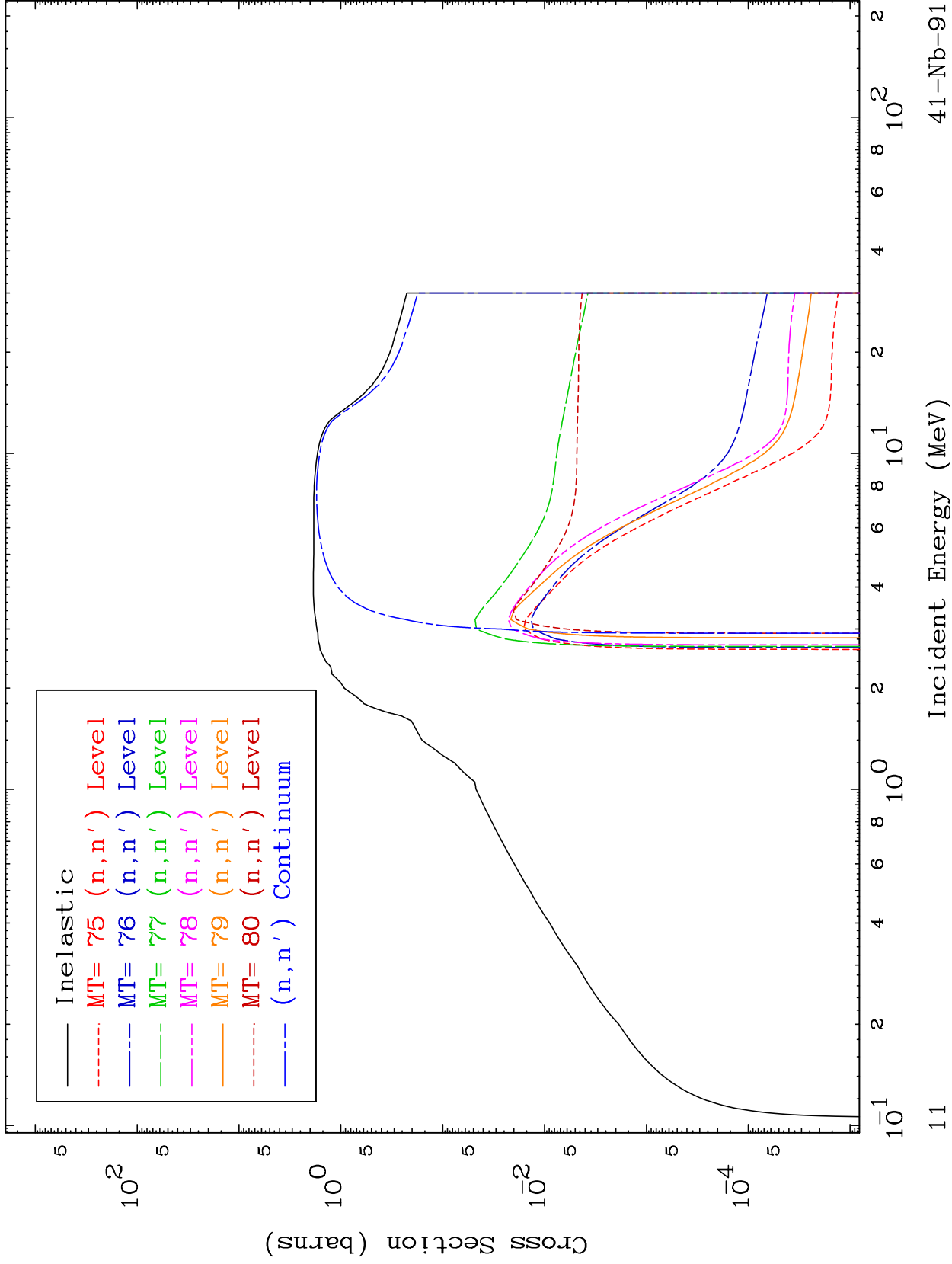
41-Nb-91



MAT 4119

(n,n') Levels
293 Kelvin Cross Sections

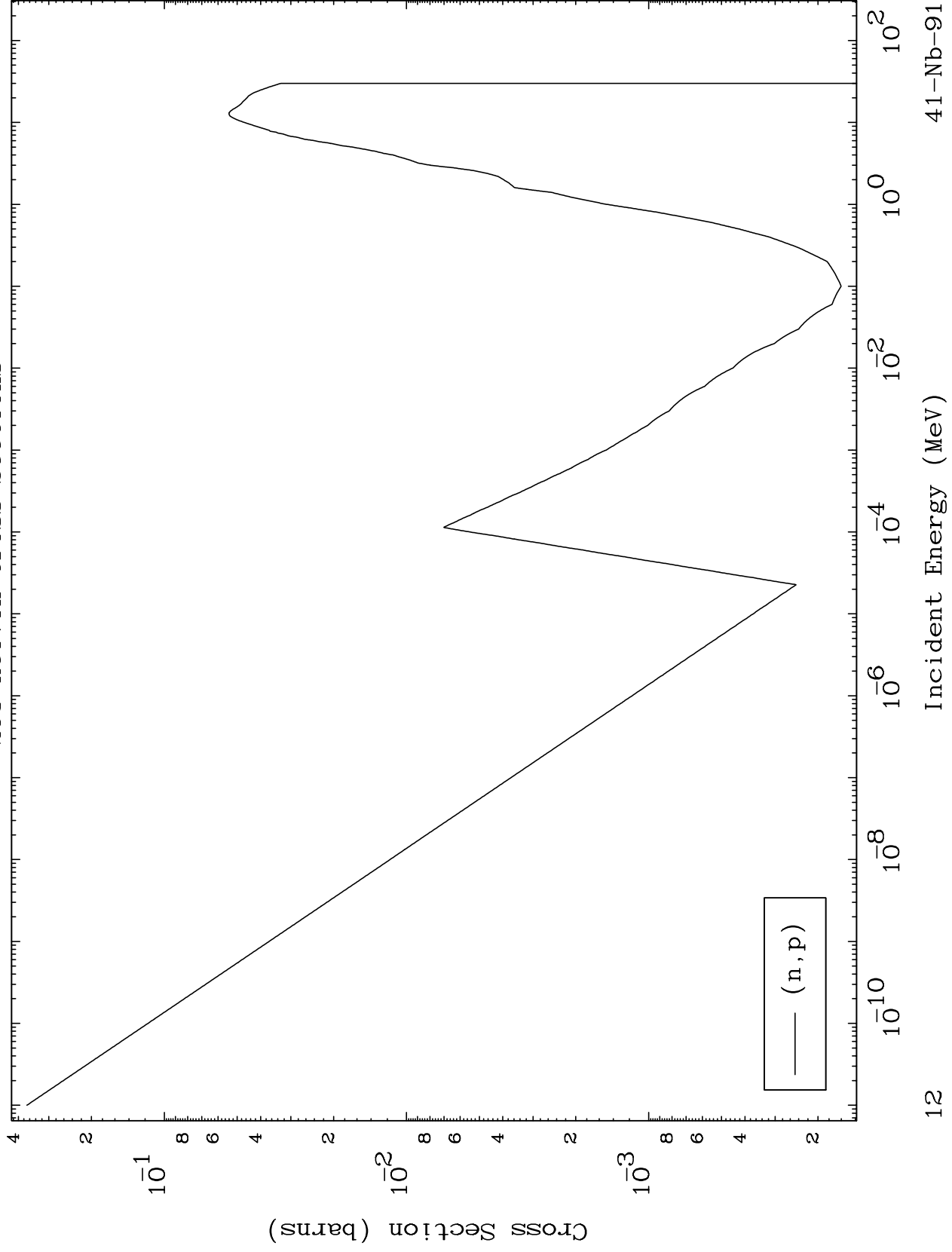
41-Nb-91



MAT 4119

(n,p) Levels
293 Kelvin Cross Sections

41-Nb-91

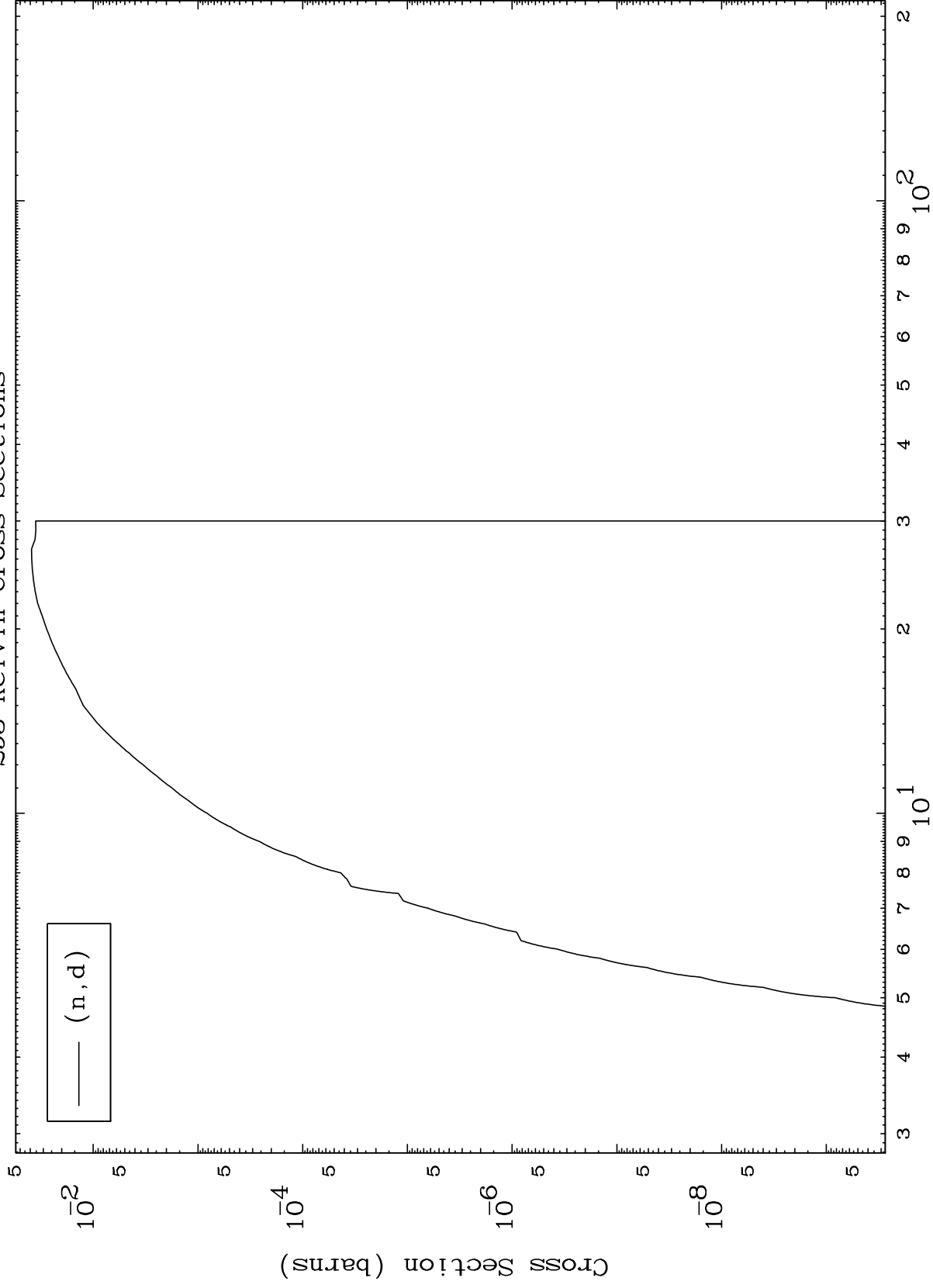


12

MAT 4119

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-91



13

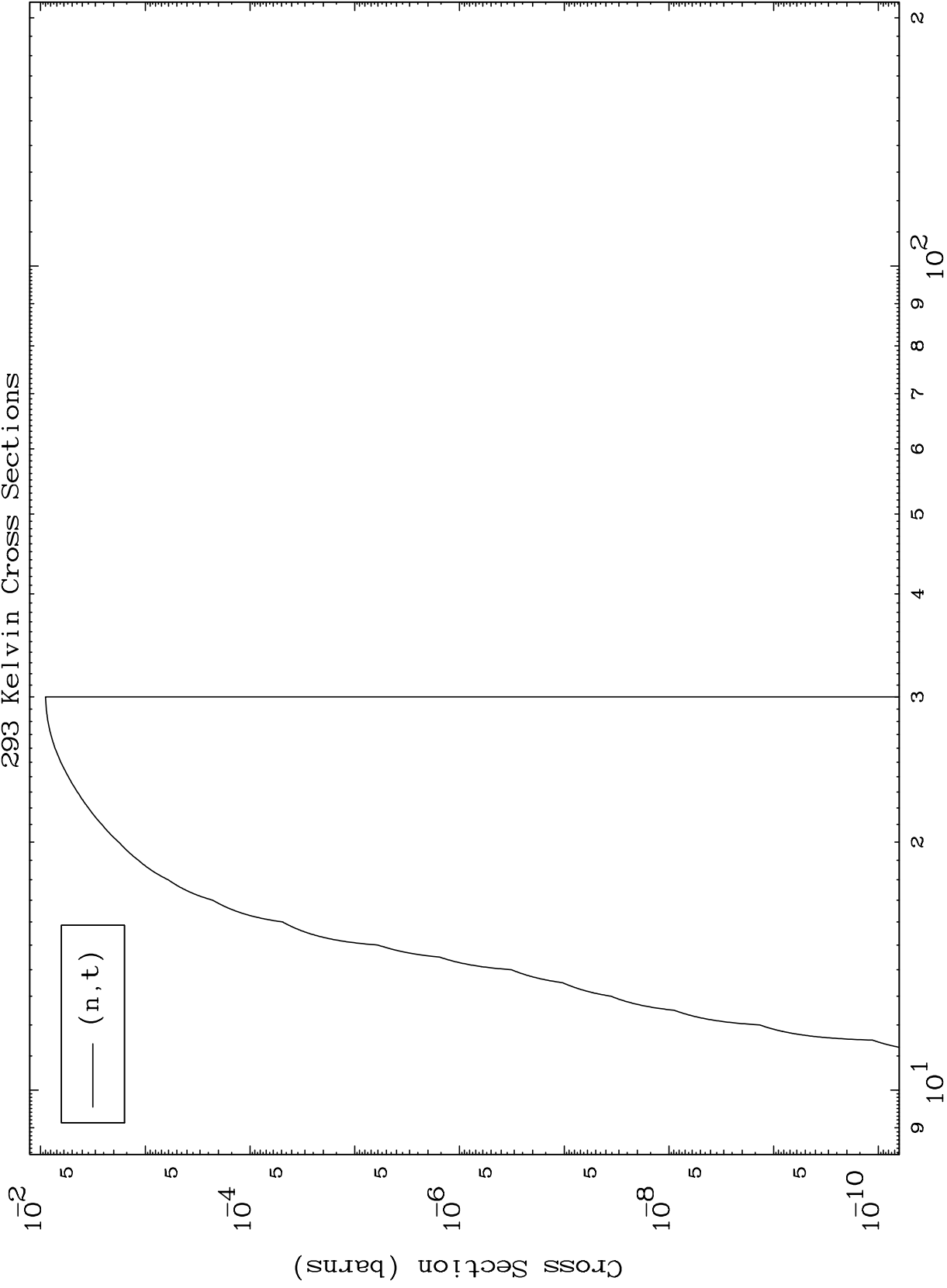
Incident Energy (MeV)

41-Nb-91

MAT 4119

(n,t) Levels
293 Kelvin Cross Sections

41-Nb-91



14

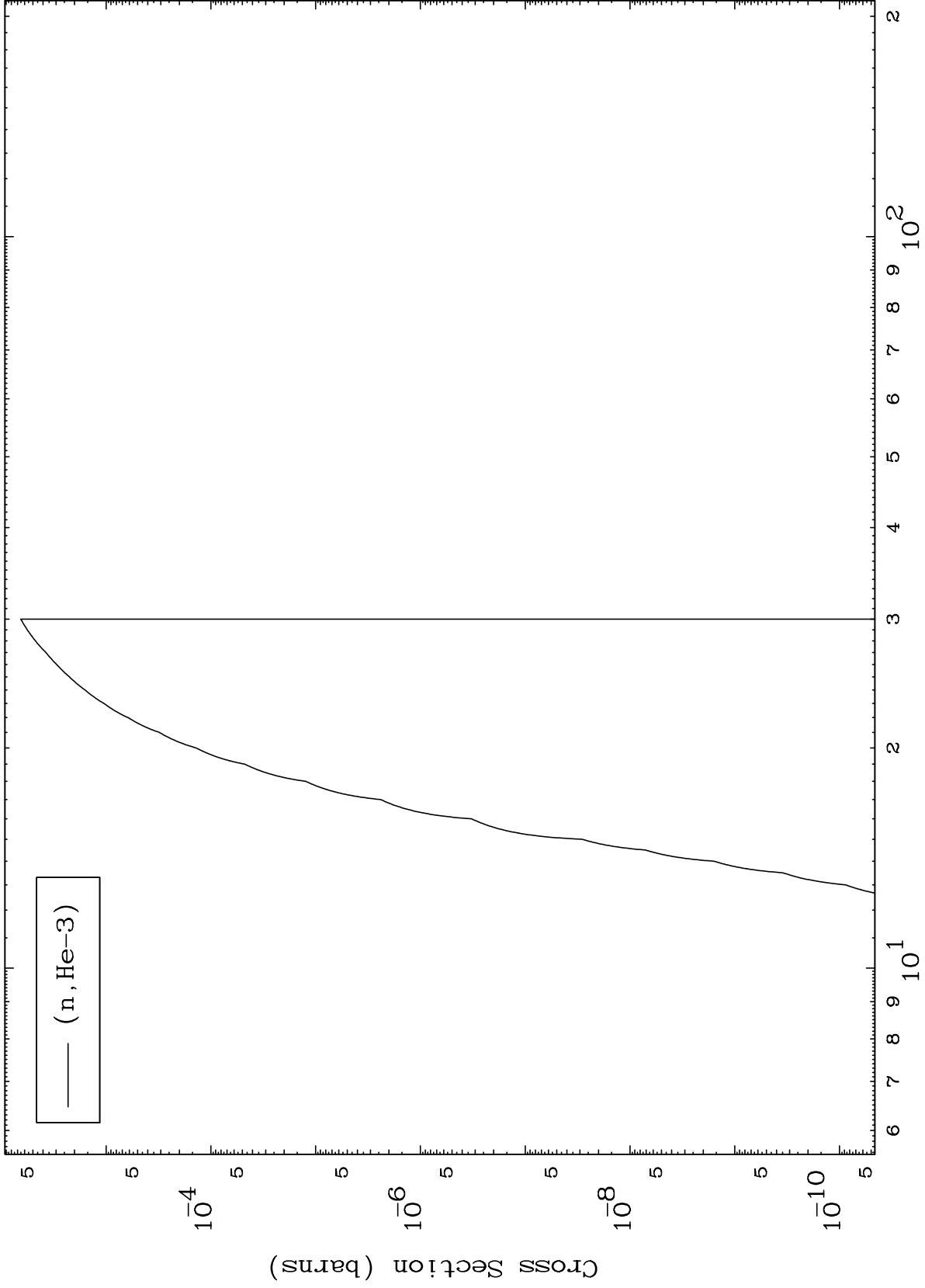
Incident Energy (MeV)

41-Nb-91

MAT 4119

(n,He3) Levels
293 Kelvin Cross Sections

41-Nb-91



15

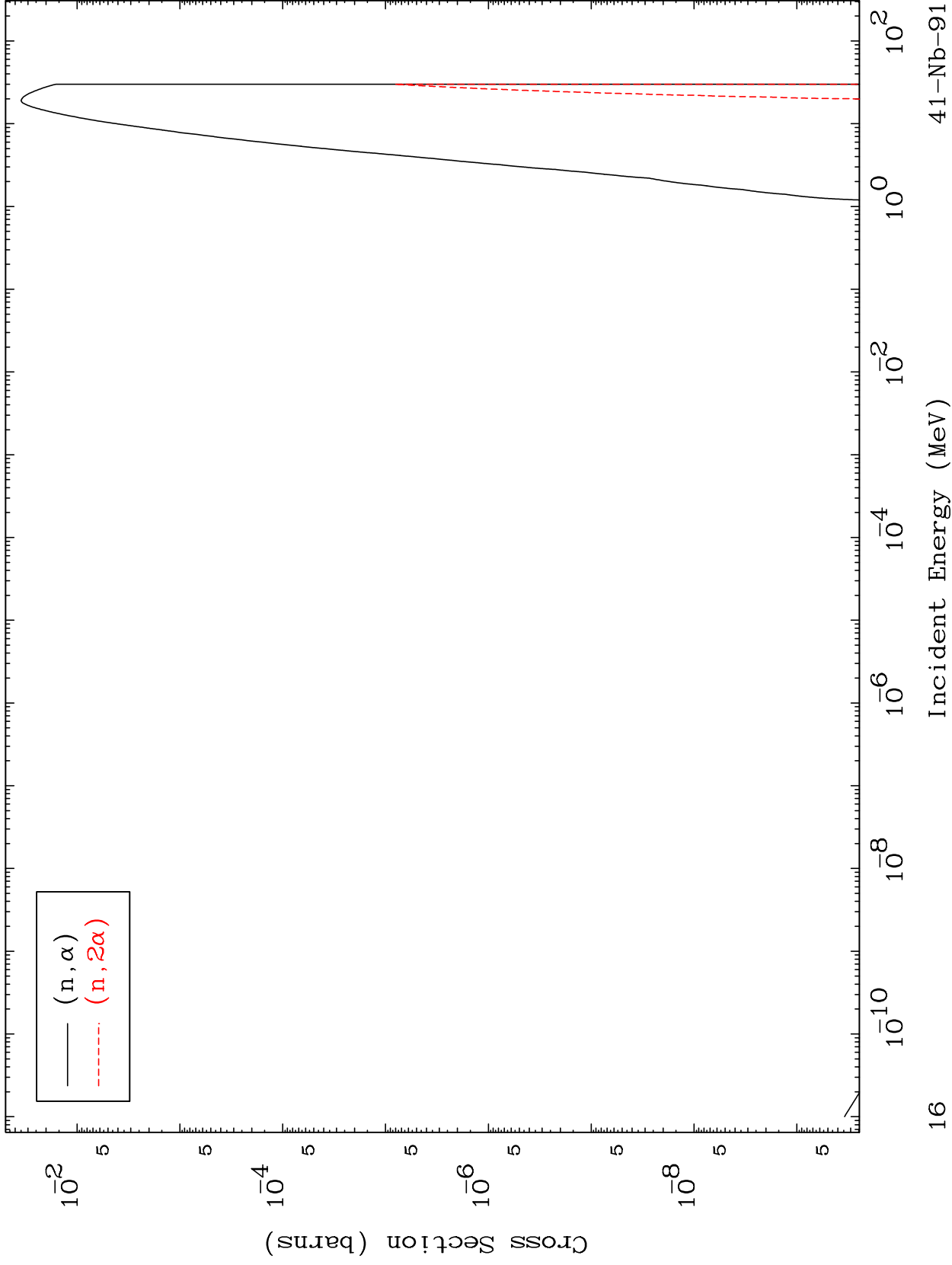
Incident Energy (MeV)

41-Nb-91

MAT 4119

(n, α) Levels
293 Kelvin Cross Sections

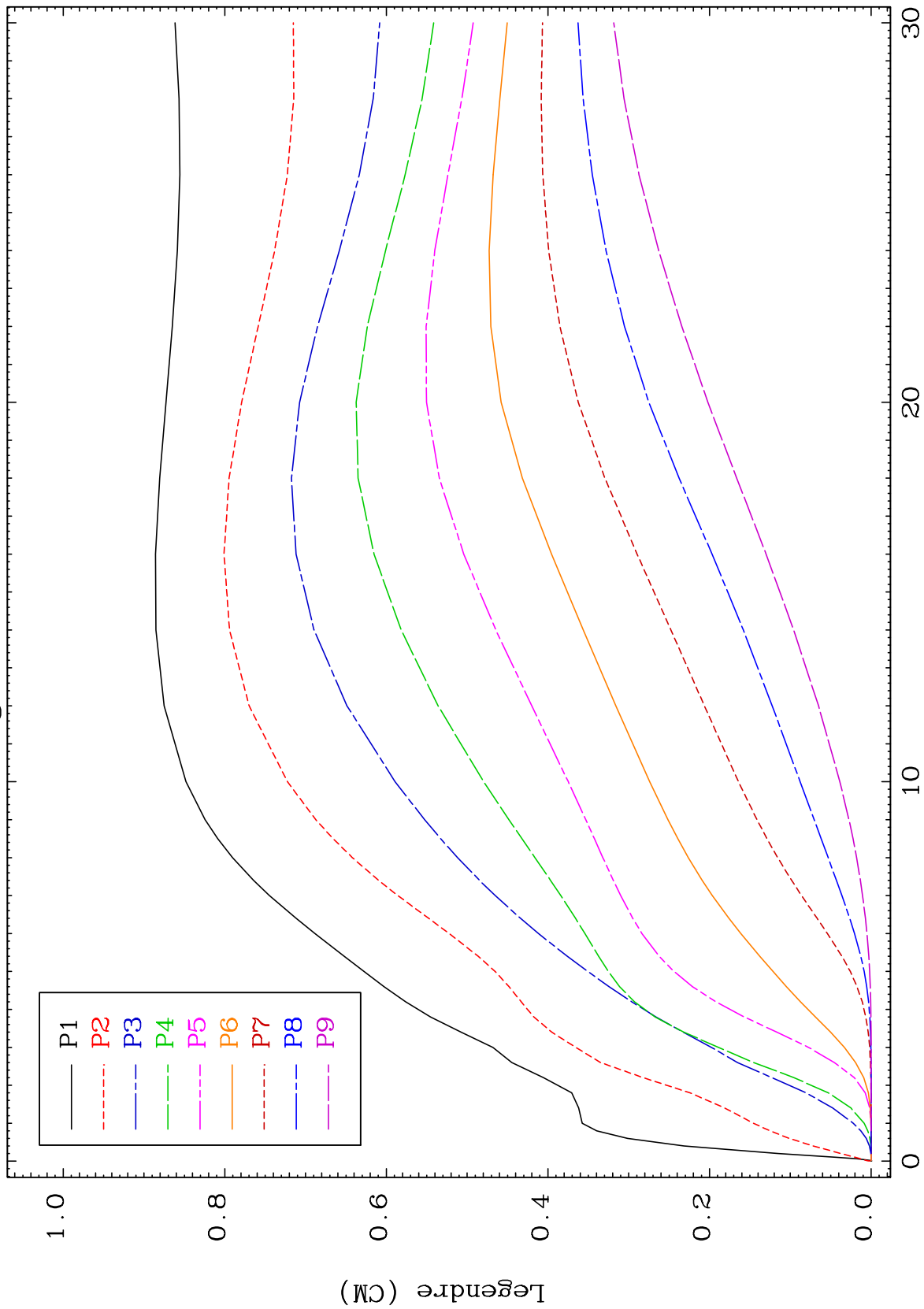
41-Nb-91



MAT 4119

Elastic Legendre Coefficients

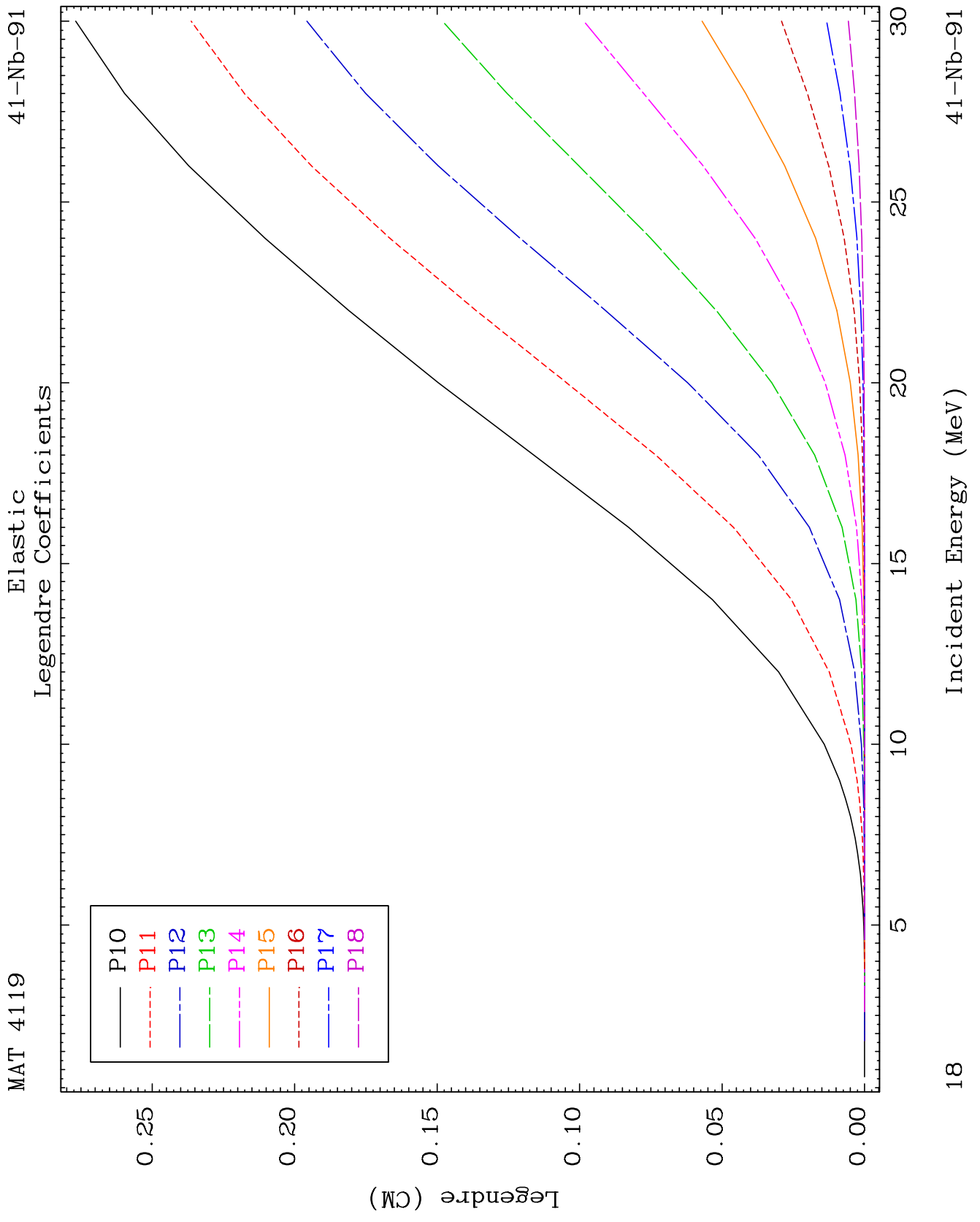
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Incident Energy (MeV)

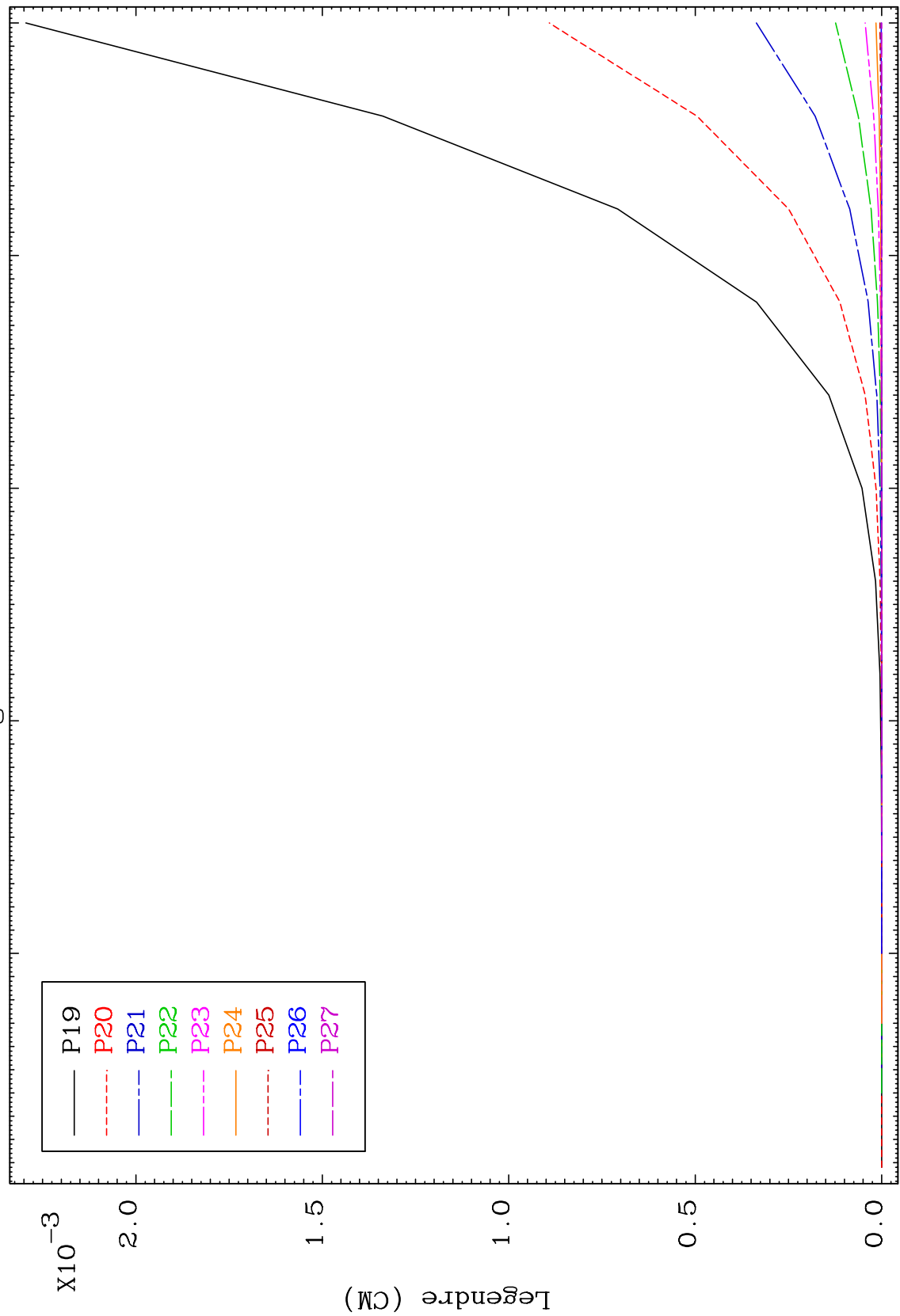
41-Nb-91



MAT 4119

Elastic Legendre Coefficients

41-Nb-91



19

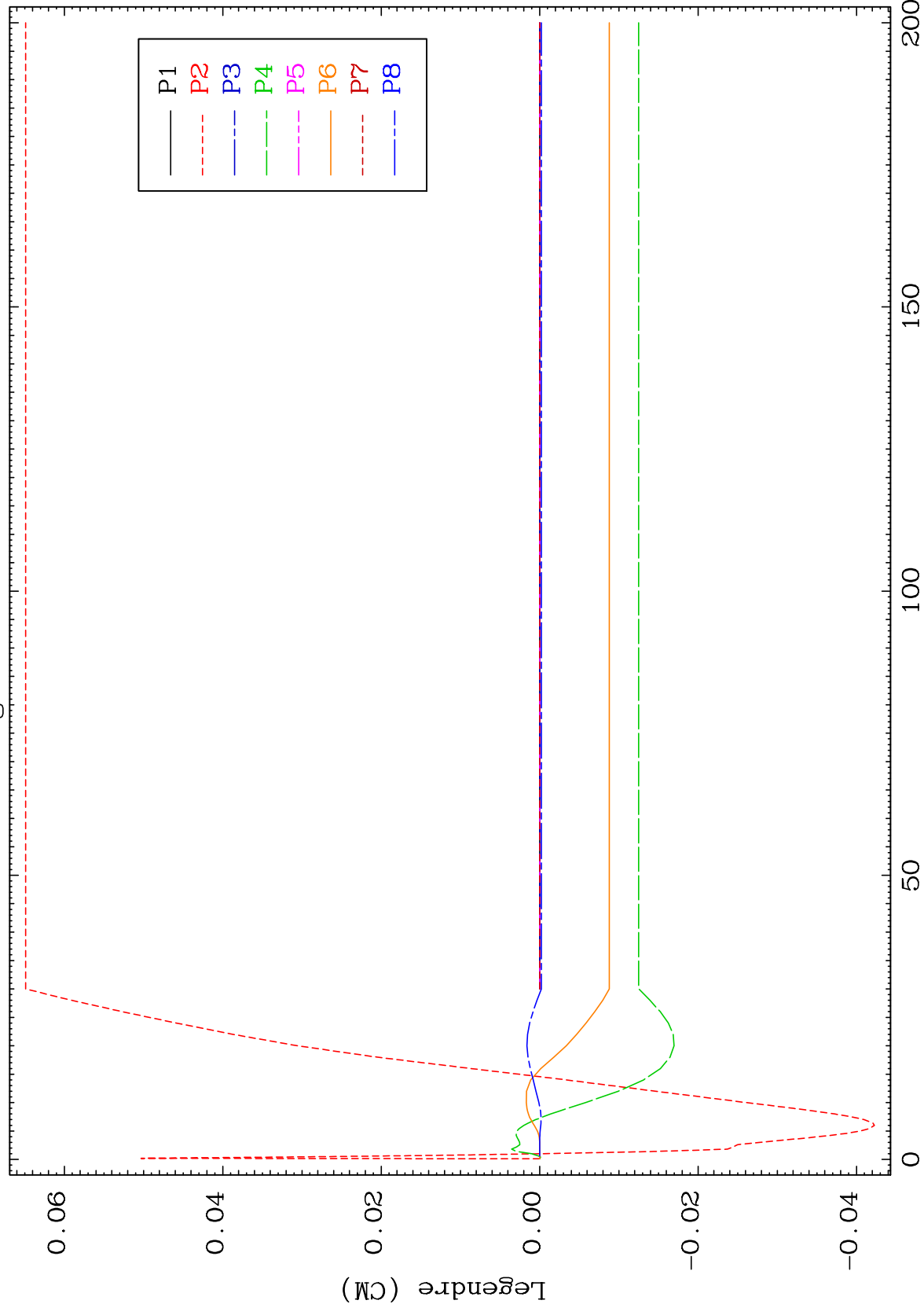
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

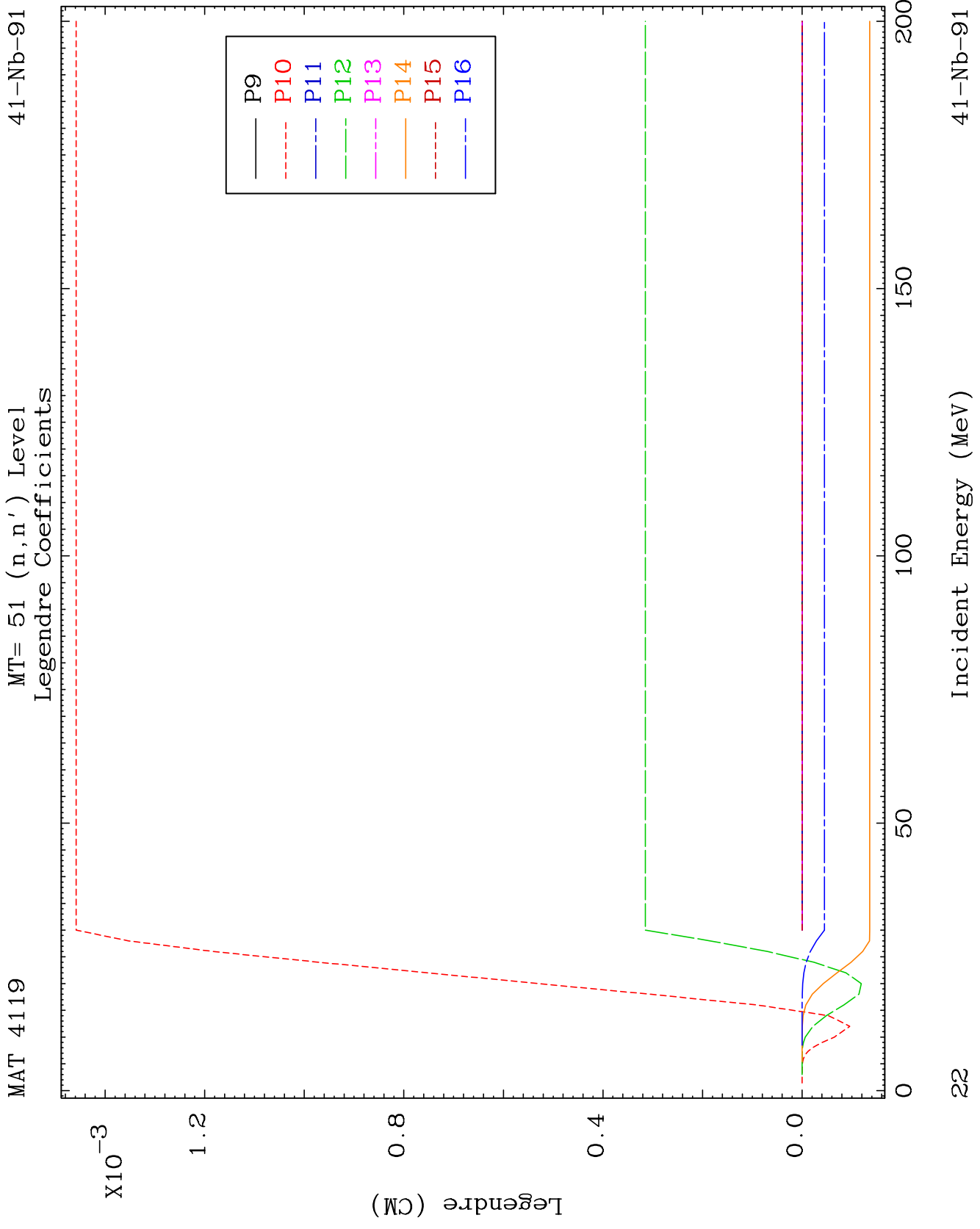
41-Nb-91



21

Incident Energy (MeV)

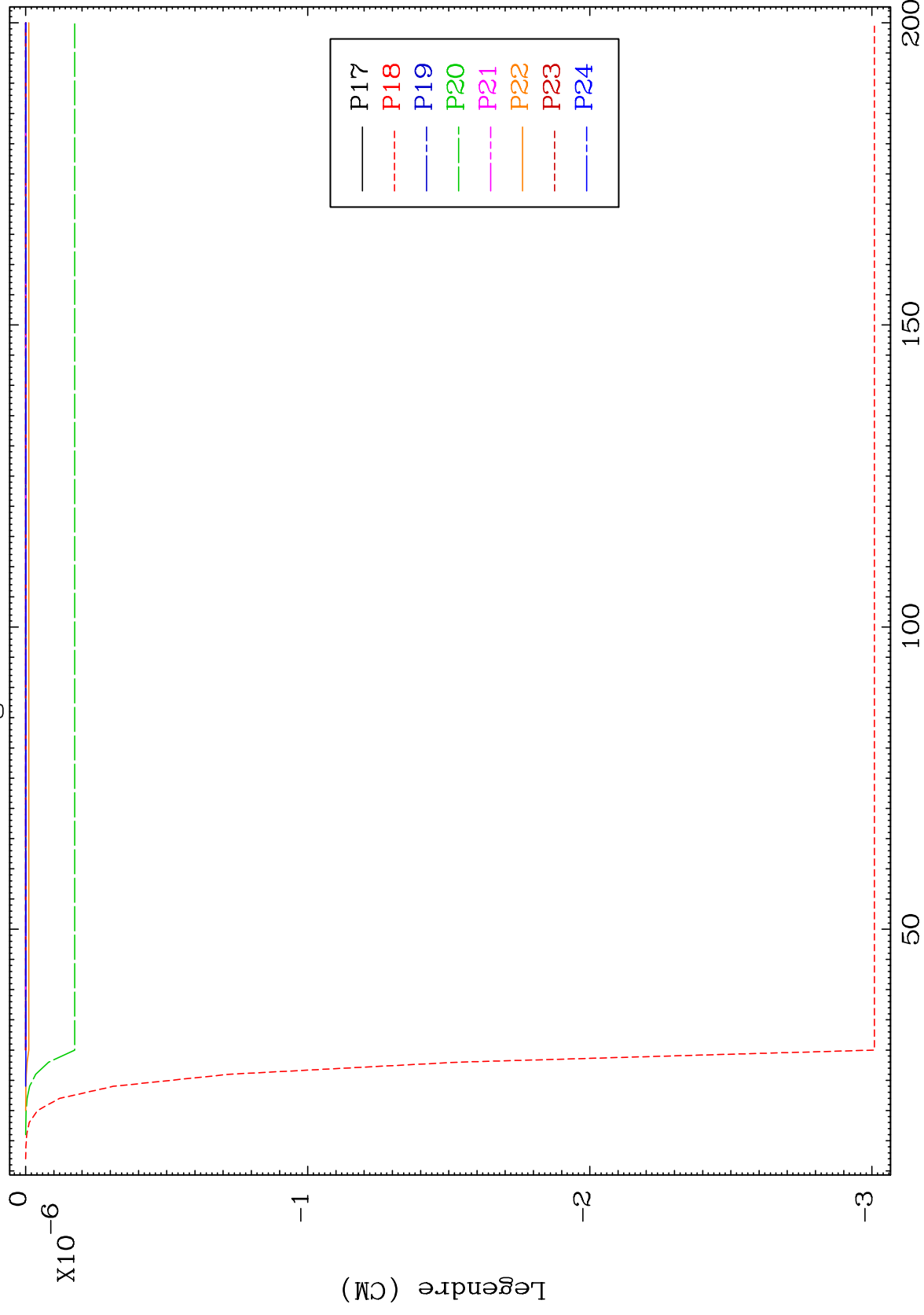
41-Nb-91



MAT 4119

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

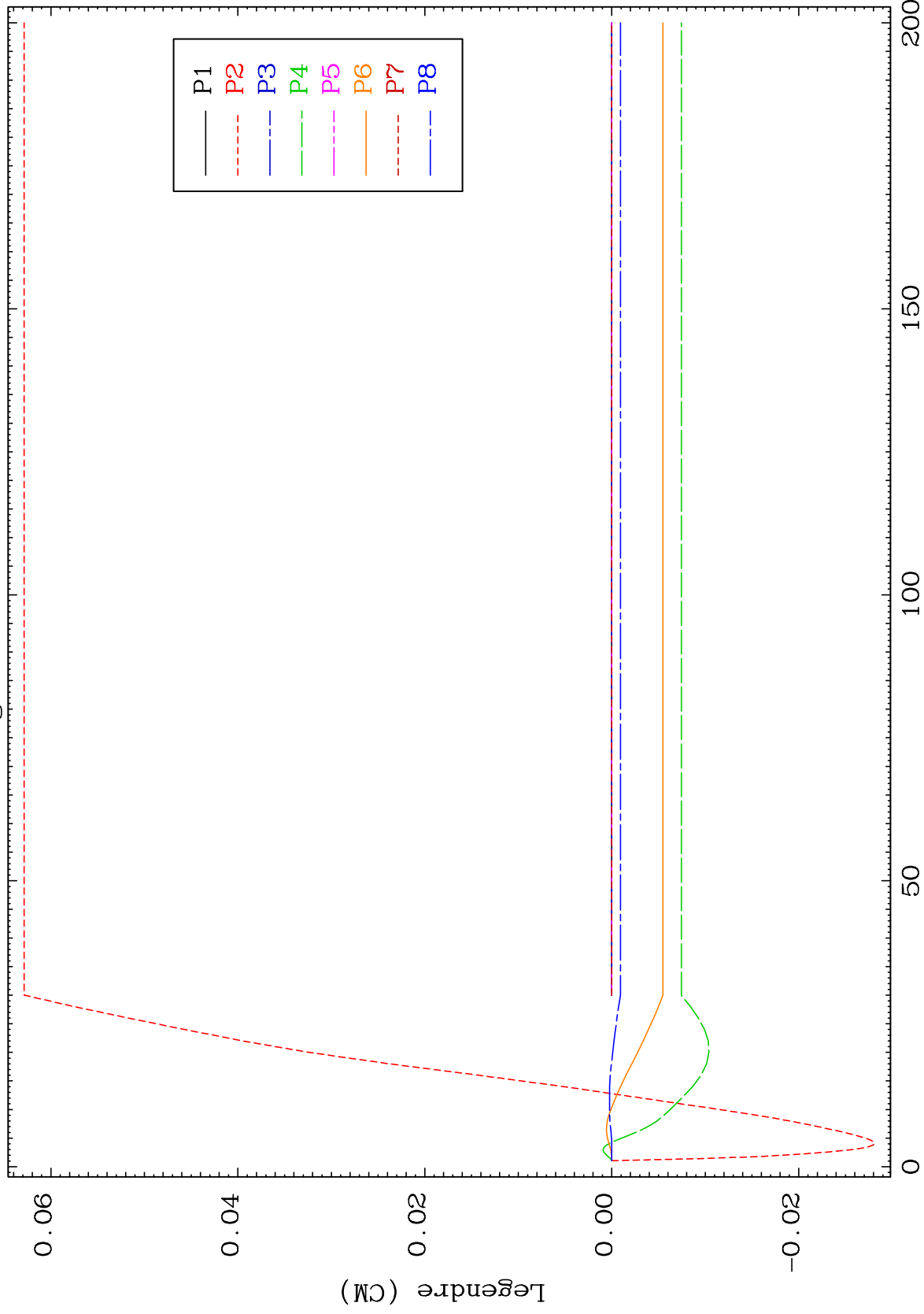
41-Nb-91



MAT 4119

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

41-Nb-91



24

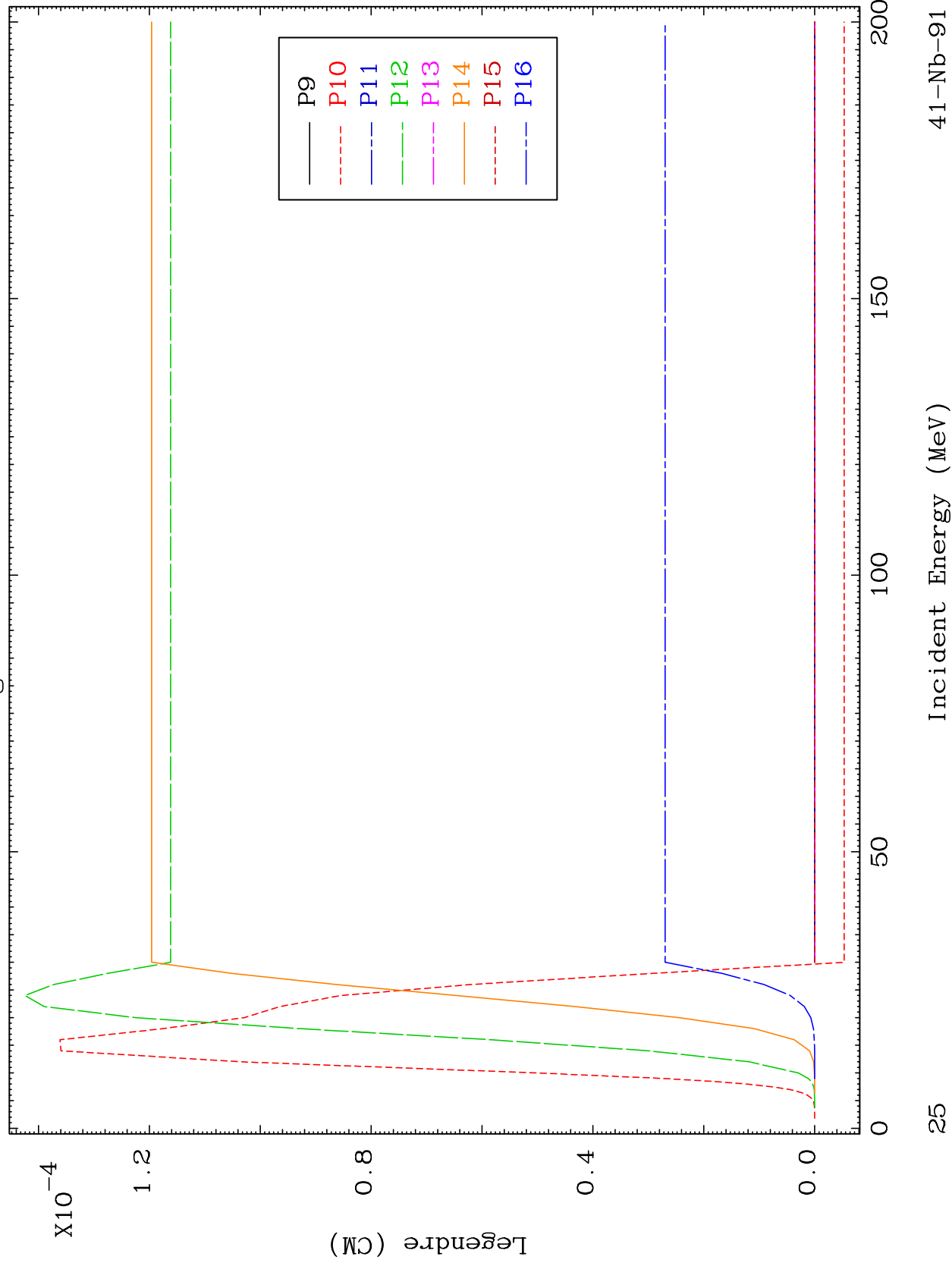
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



41-Nb-91

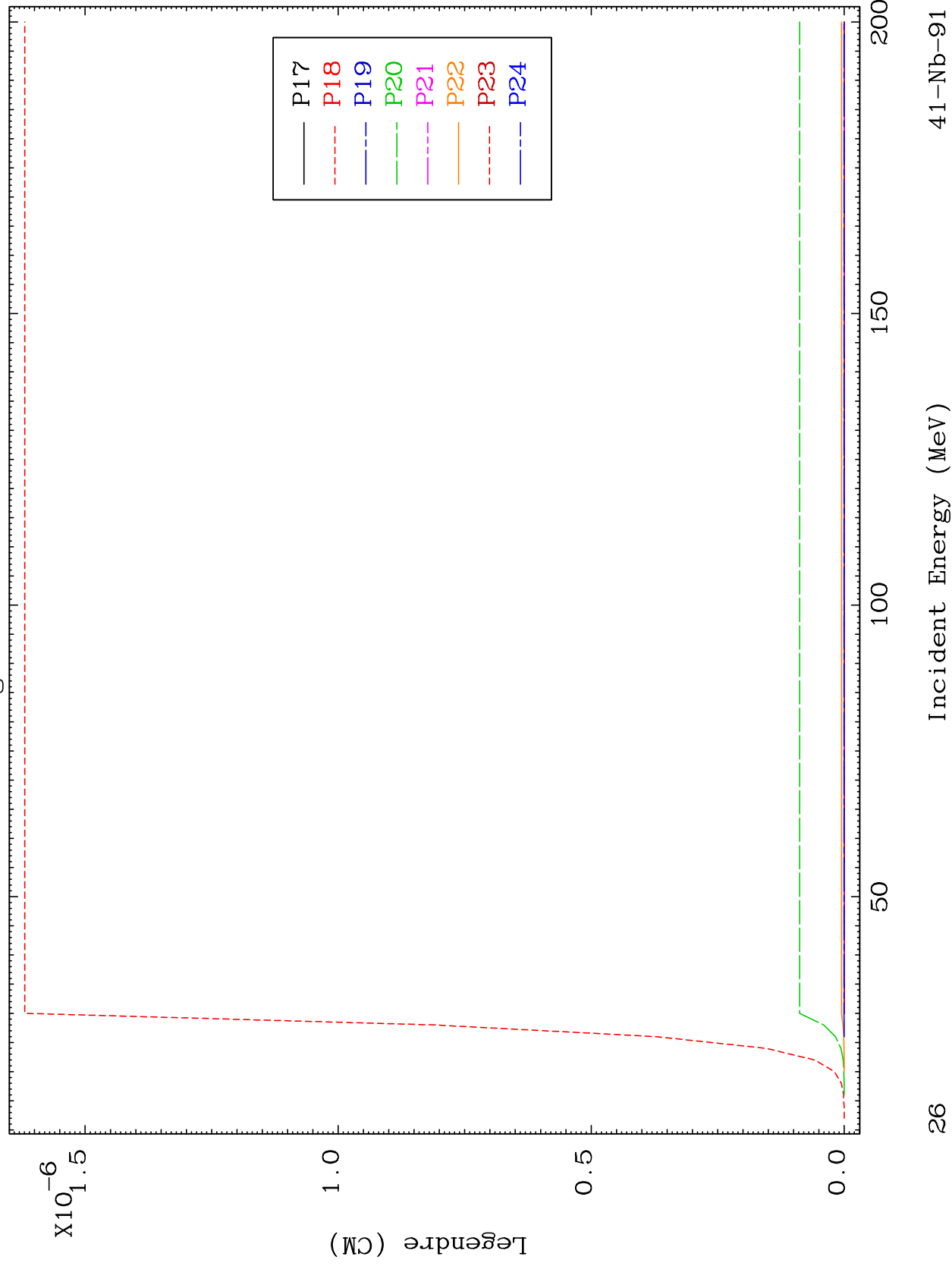
Incident Energy (MeV)

25

MAT 4119

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

41-Nb-91

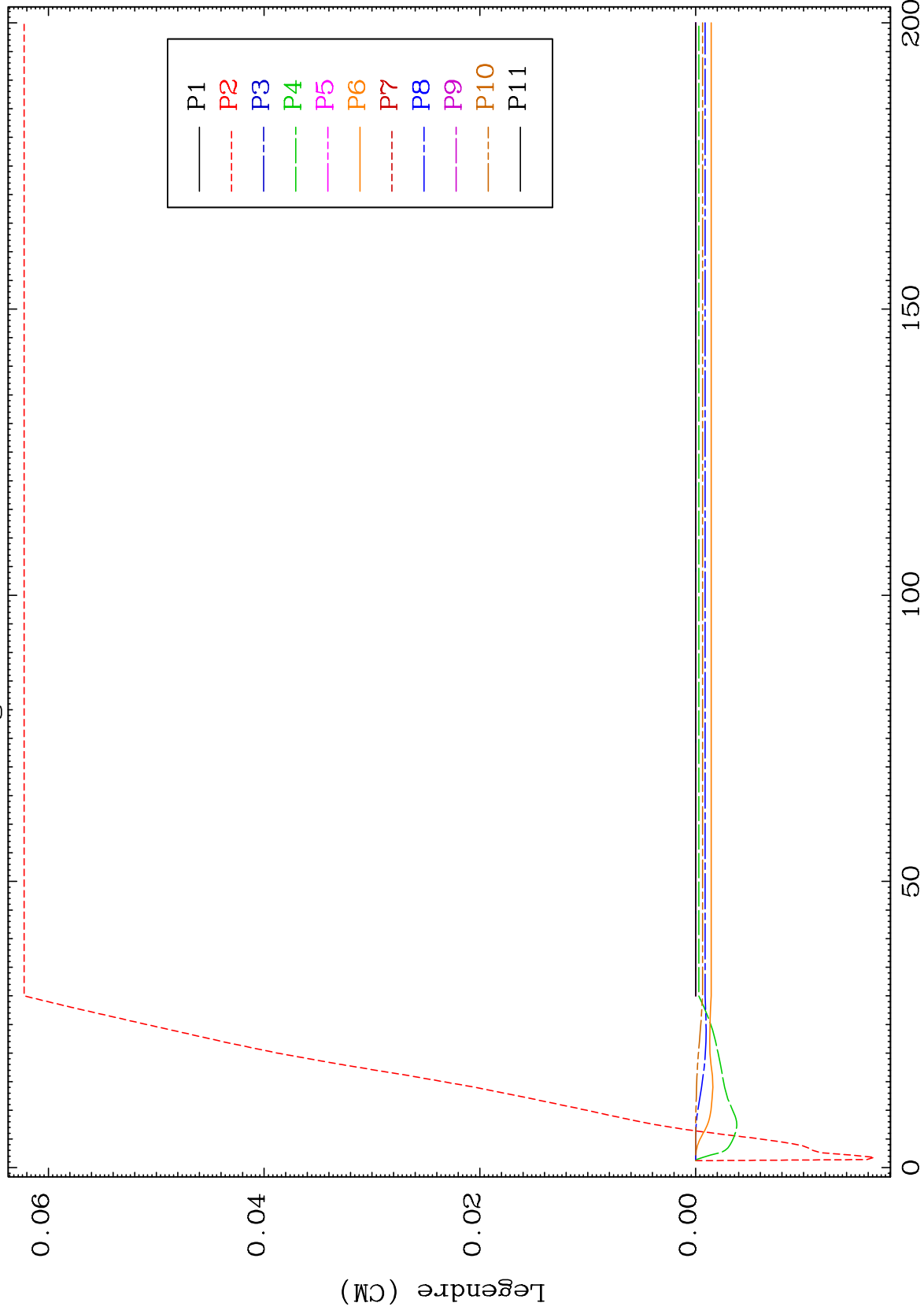


26

MAT 4119

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

41-Nb-91



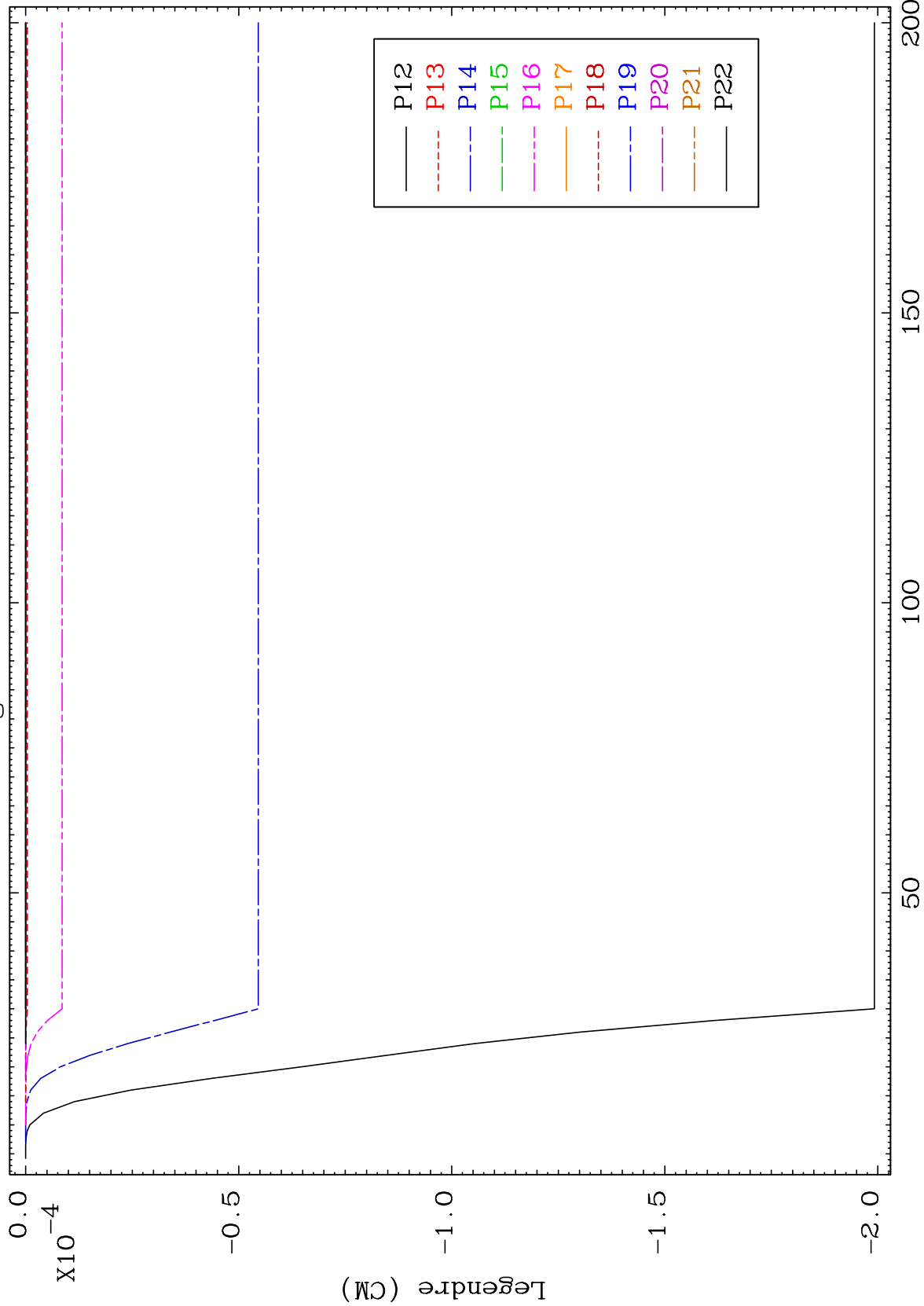
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41-Nb-91

MAT 4119

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

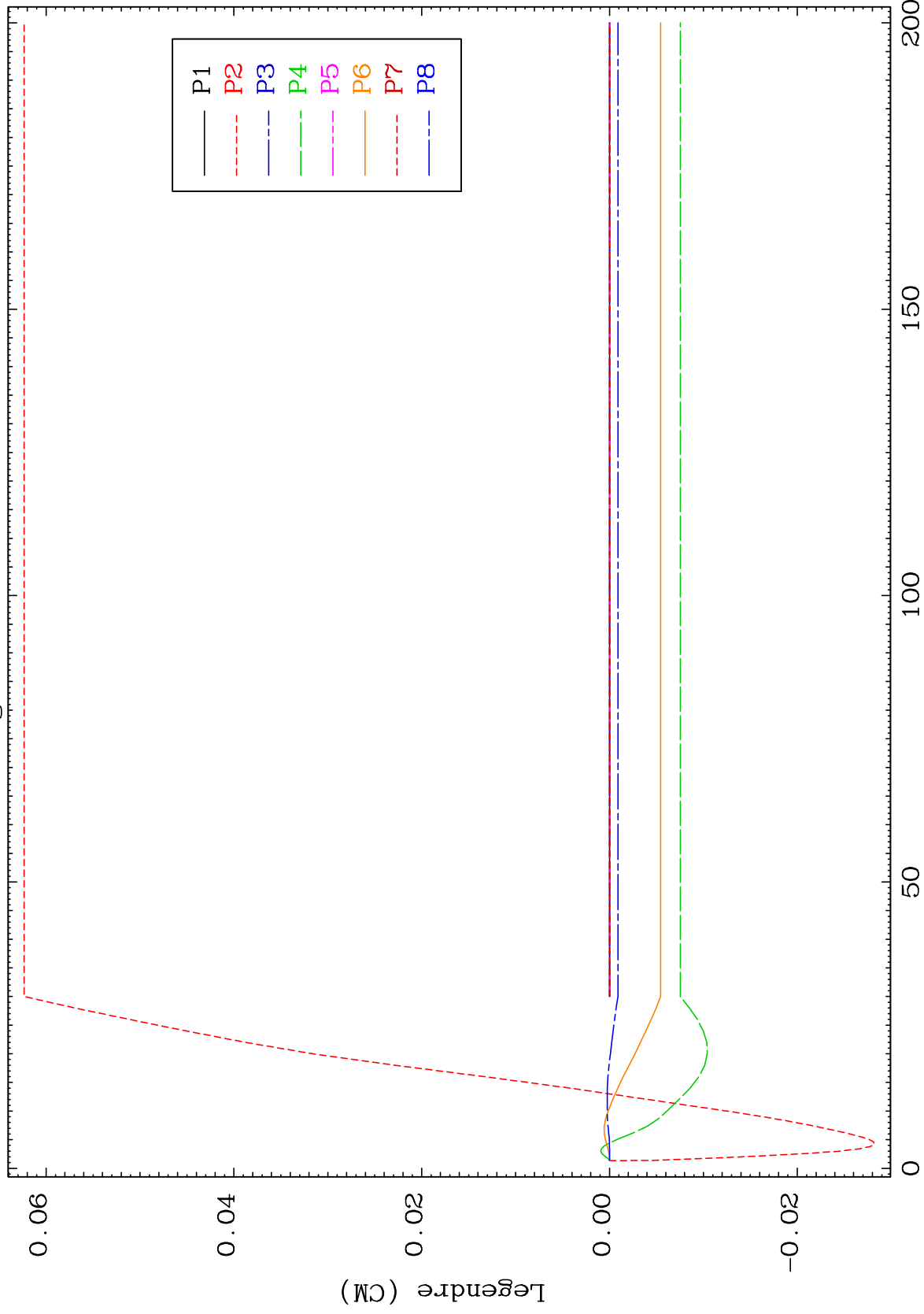
41-Nb-91



MAT 4119

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

41-Nb-91



29

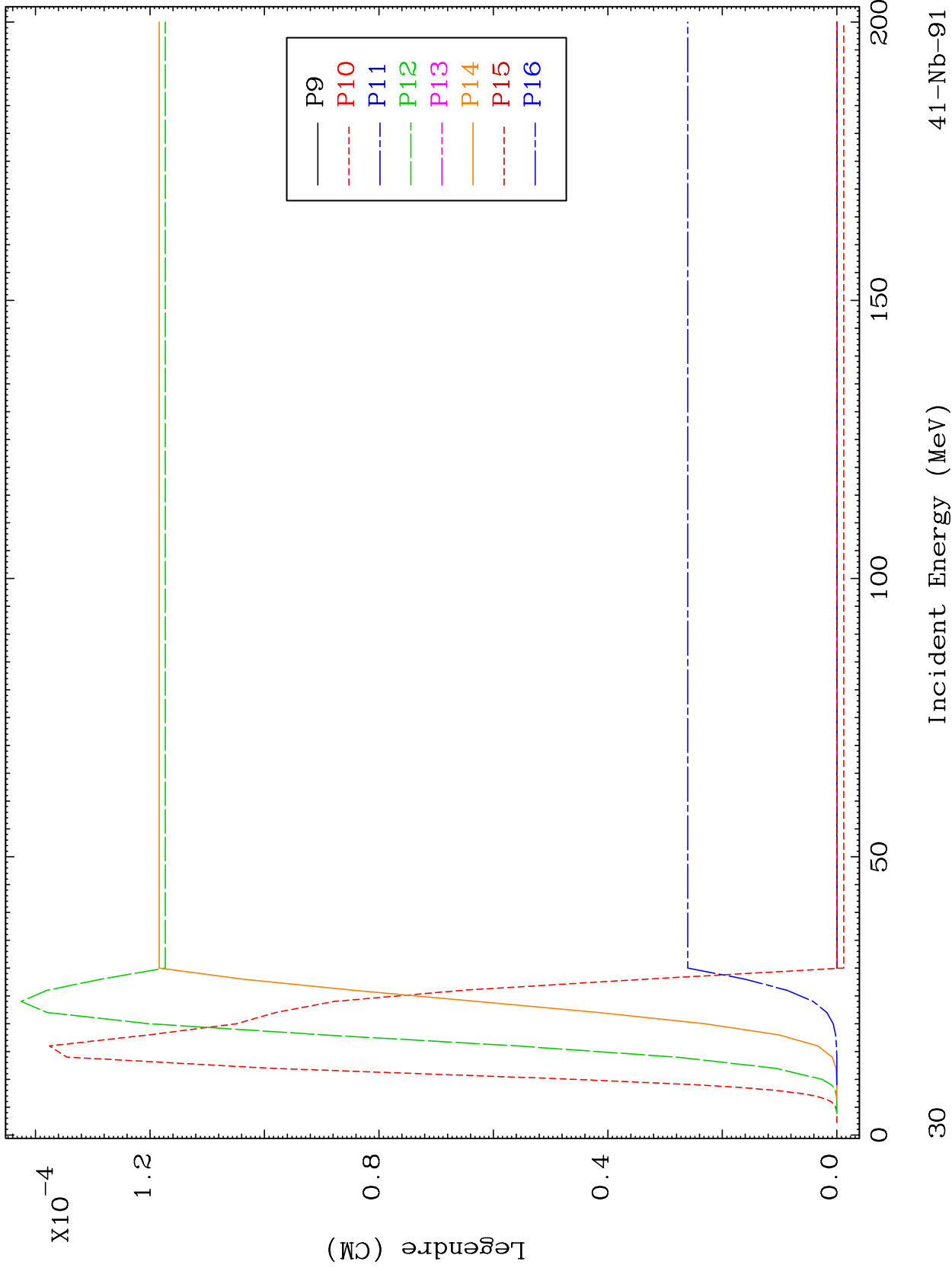
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

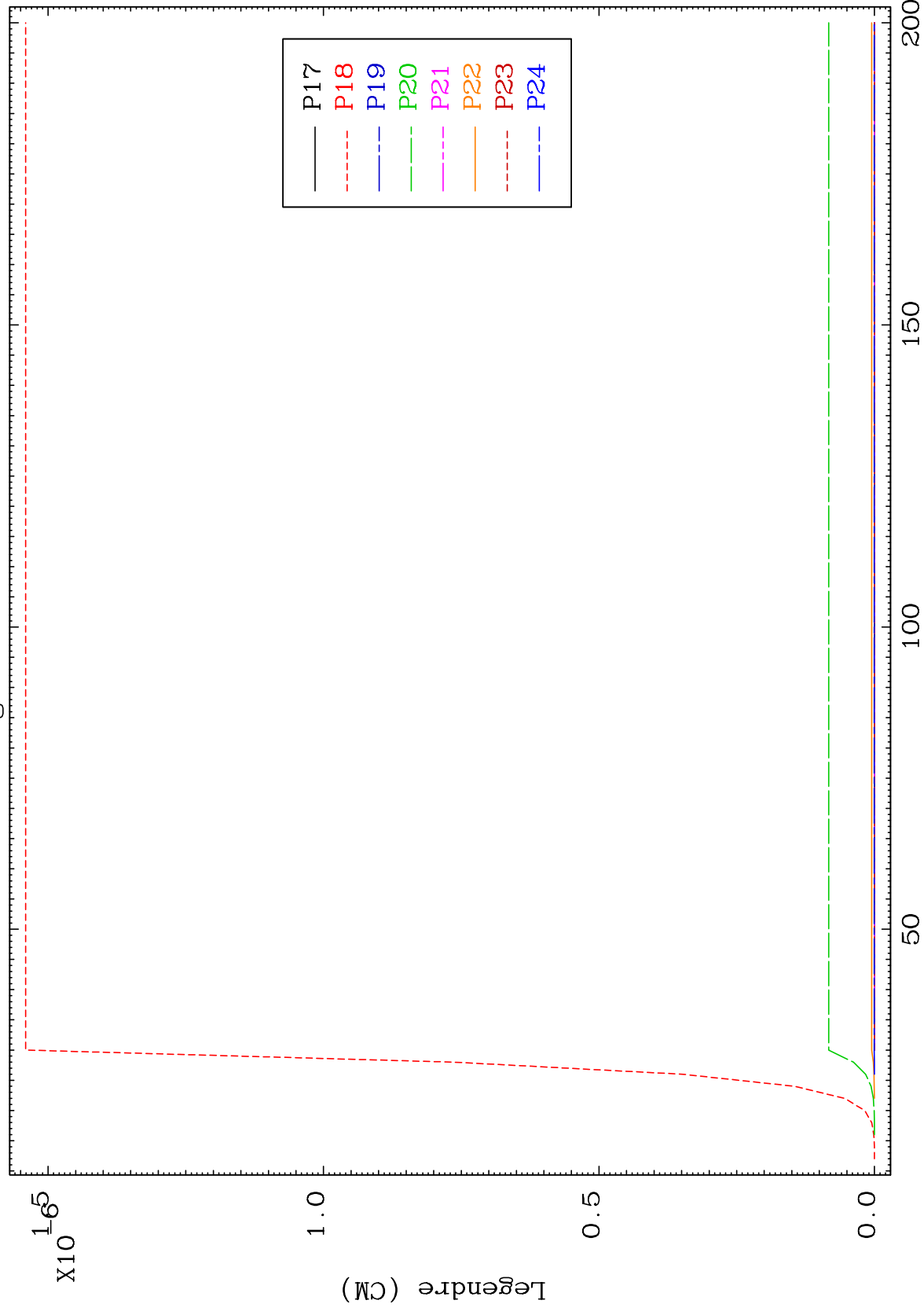
41-Nb-91



MAT 4119

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

41-Nb-91



31

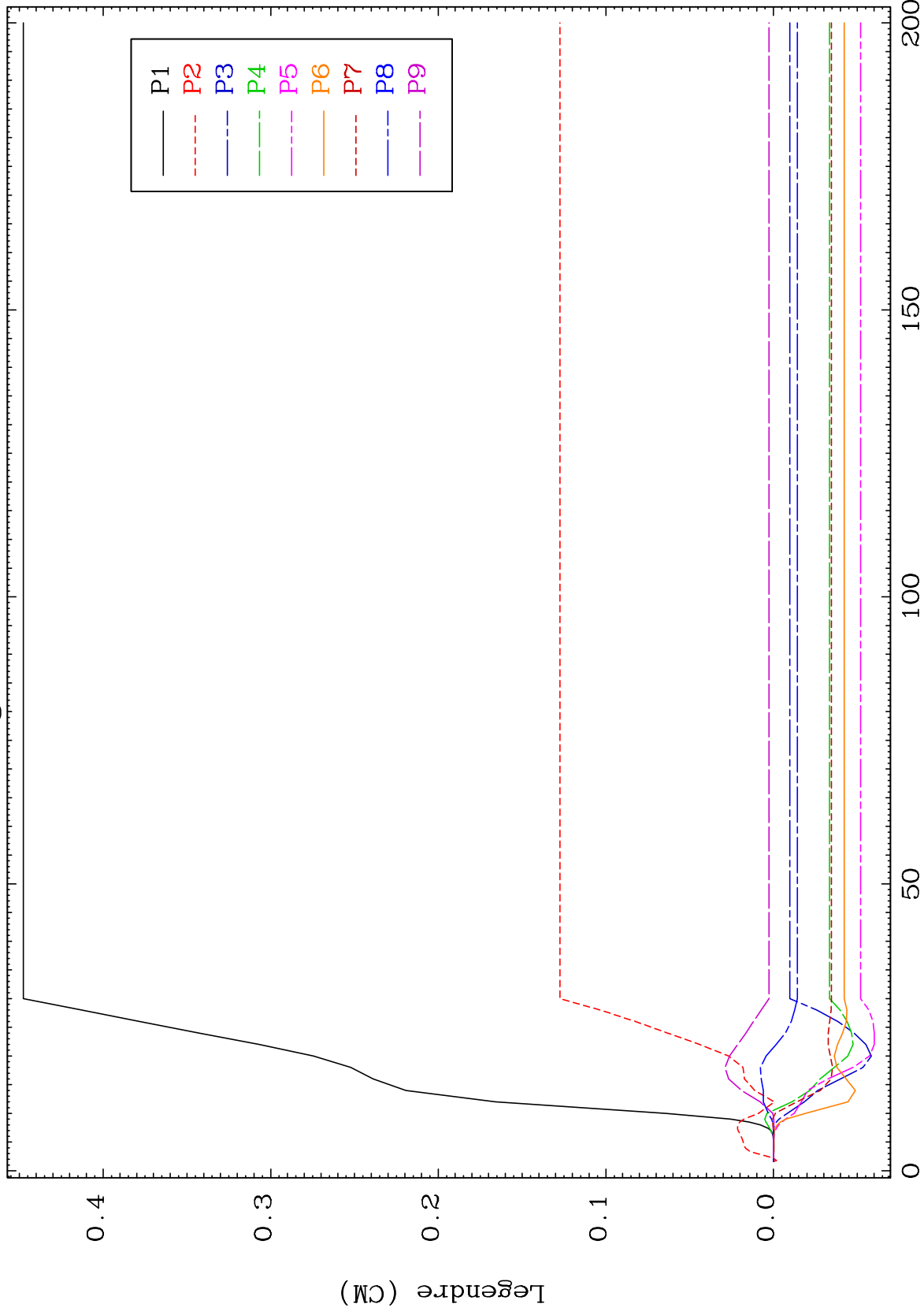
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



32

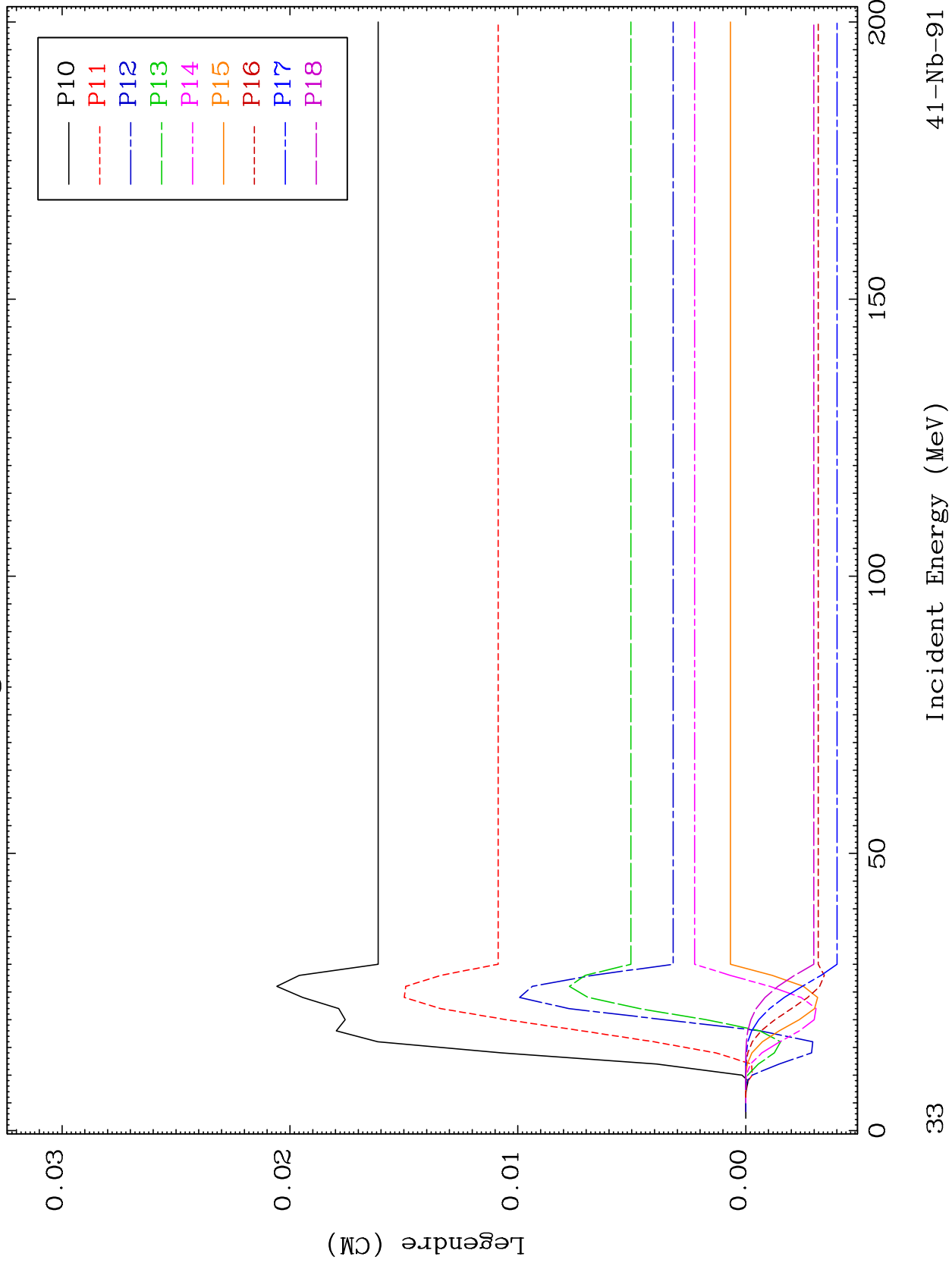
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

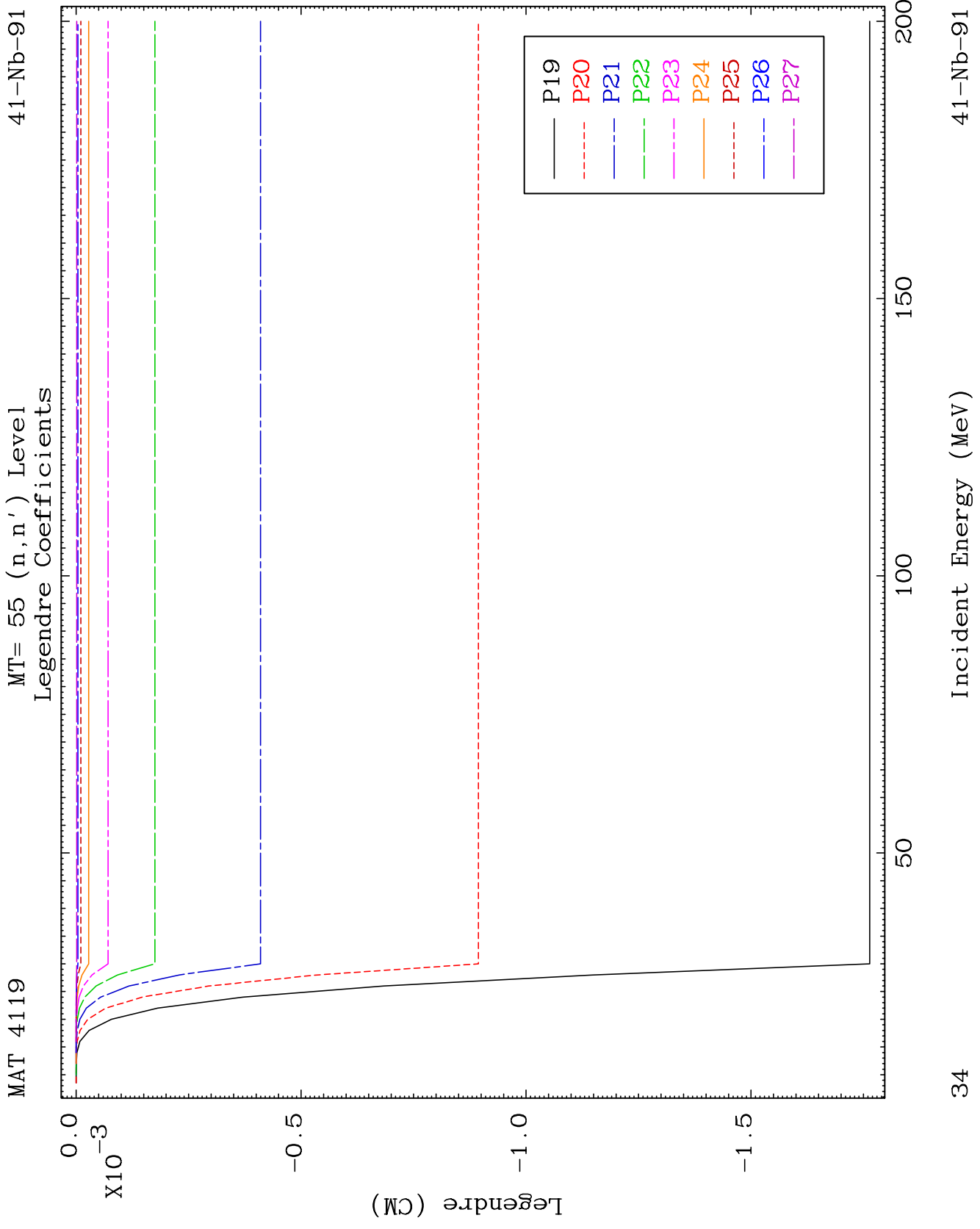
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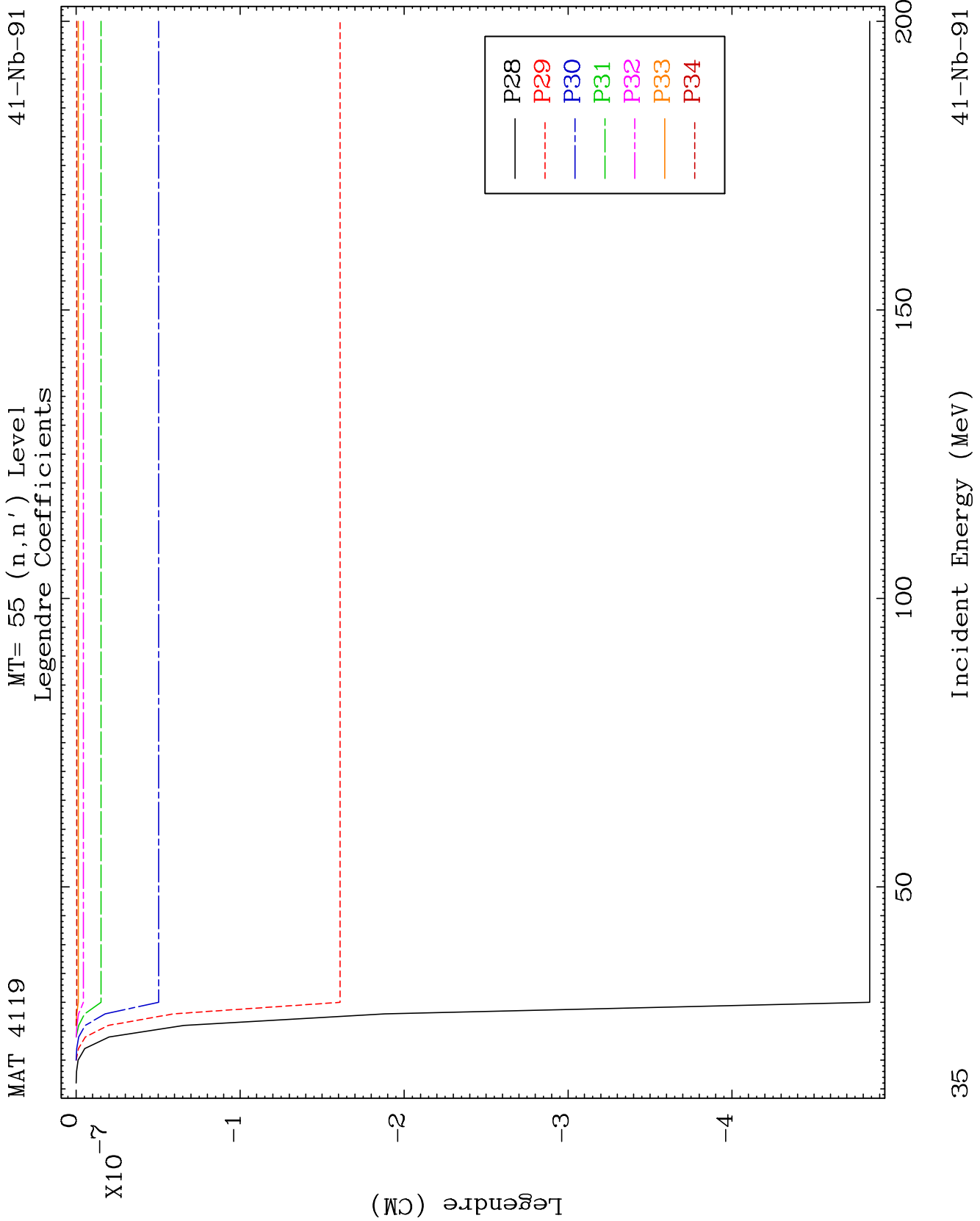


33

Incident Energy (MeV)

41-Nb-91

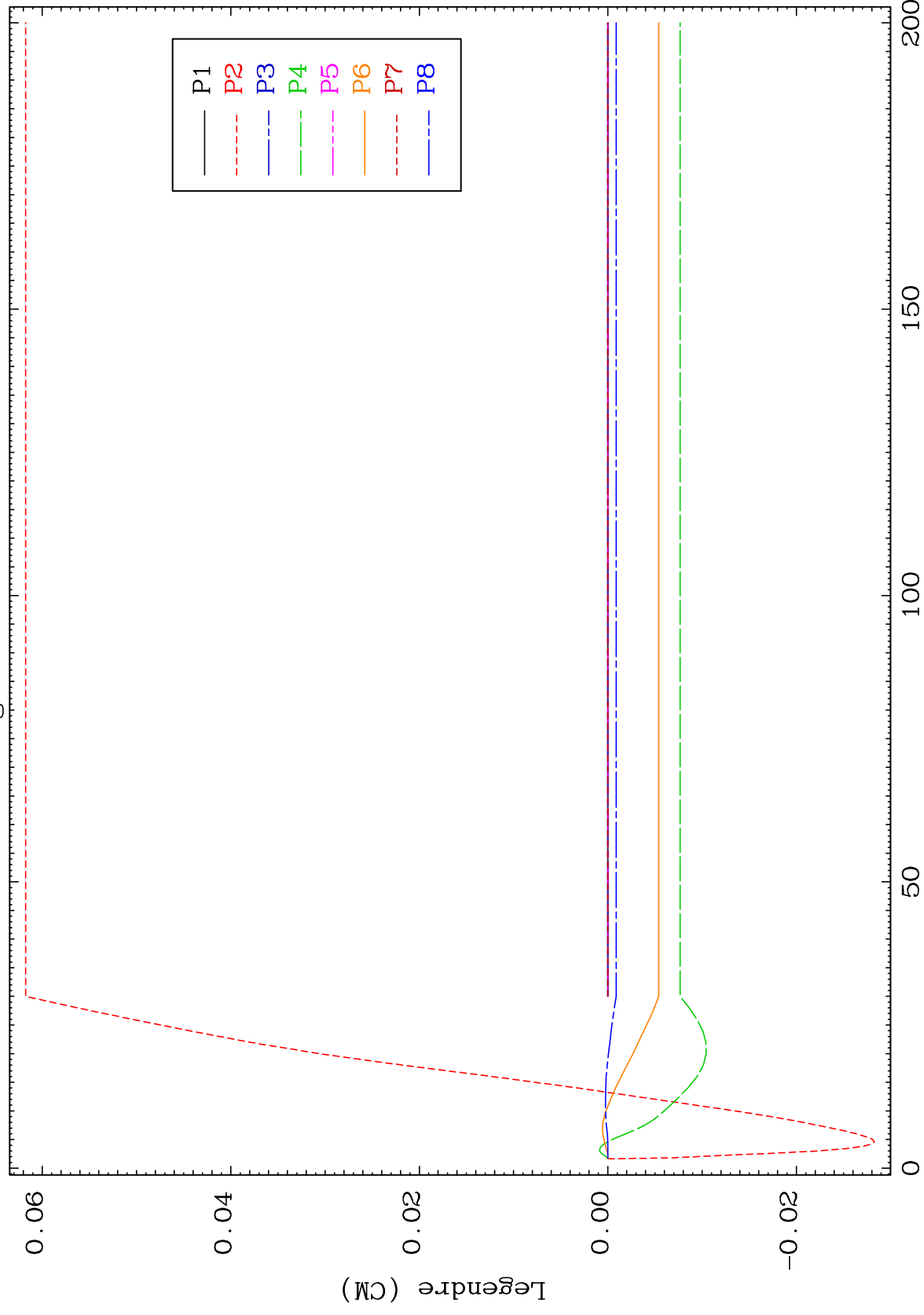




MAT 4119

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

41-Nb-91



36

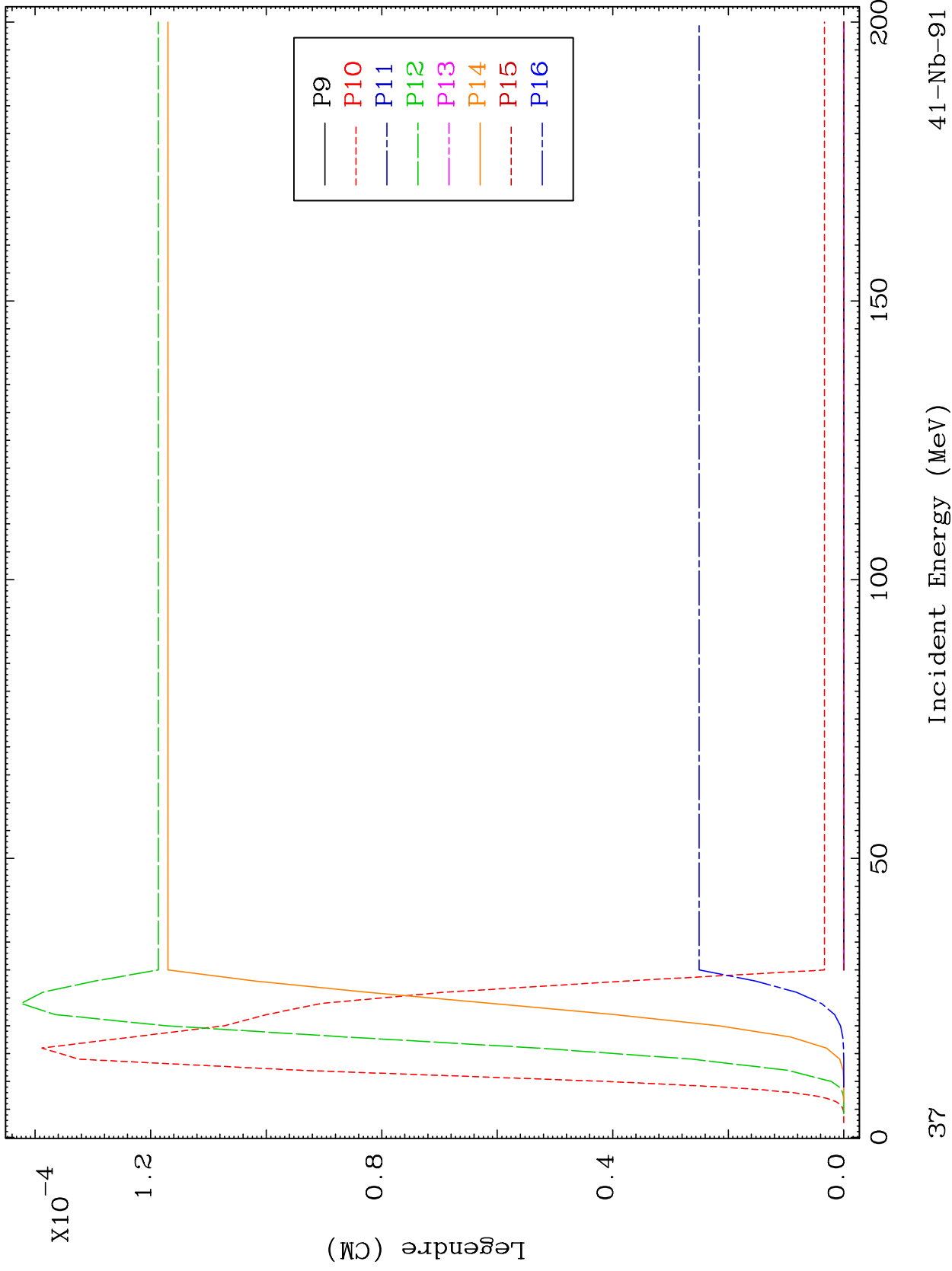
41-Nb-91

41-Nb-91

MAT 4119

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

41-Nb-91



37

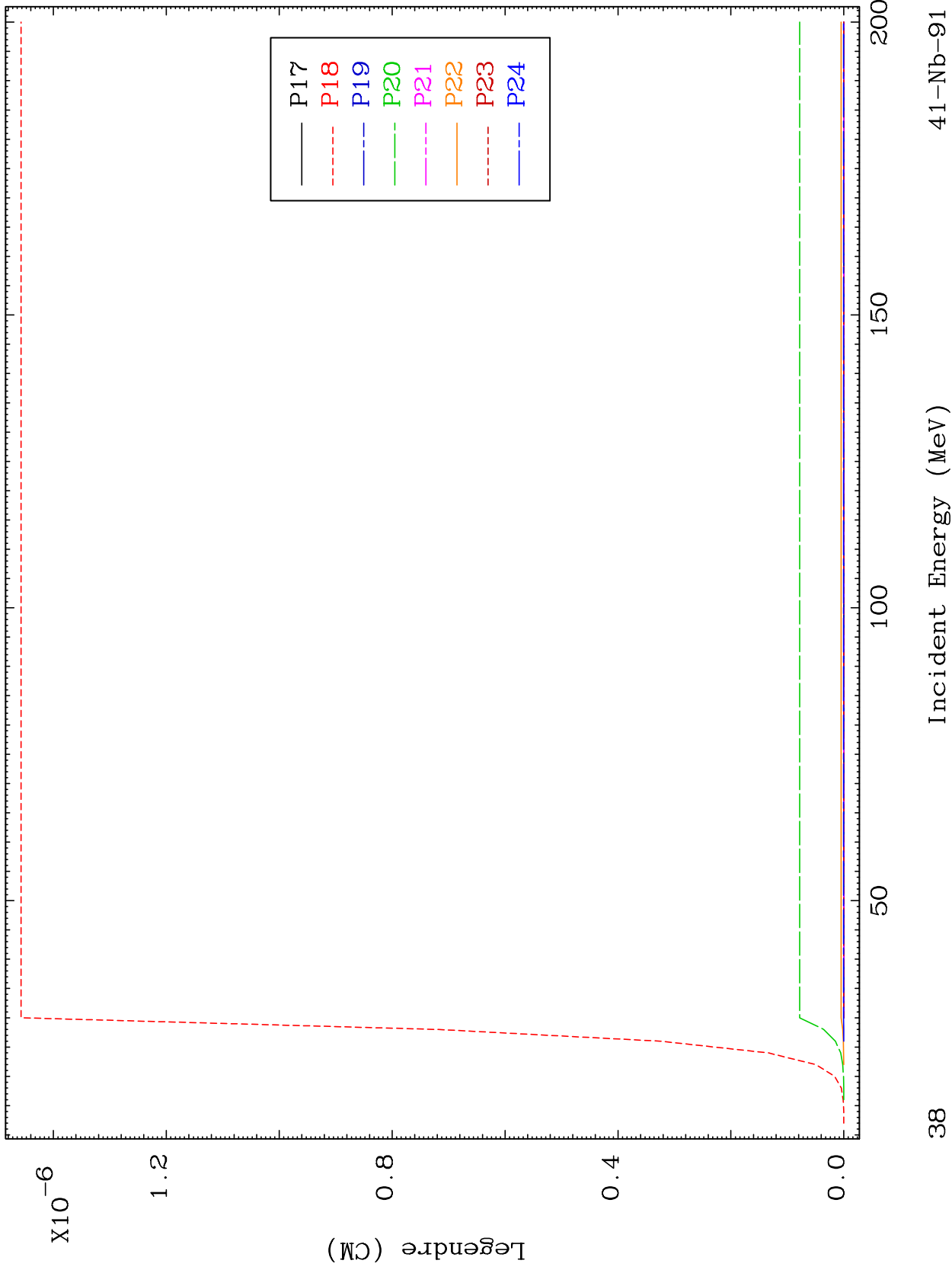
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



38

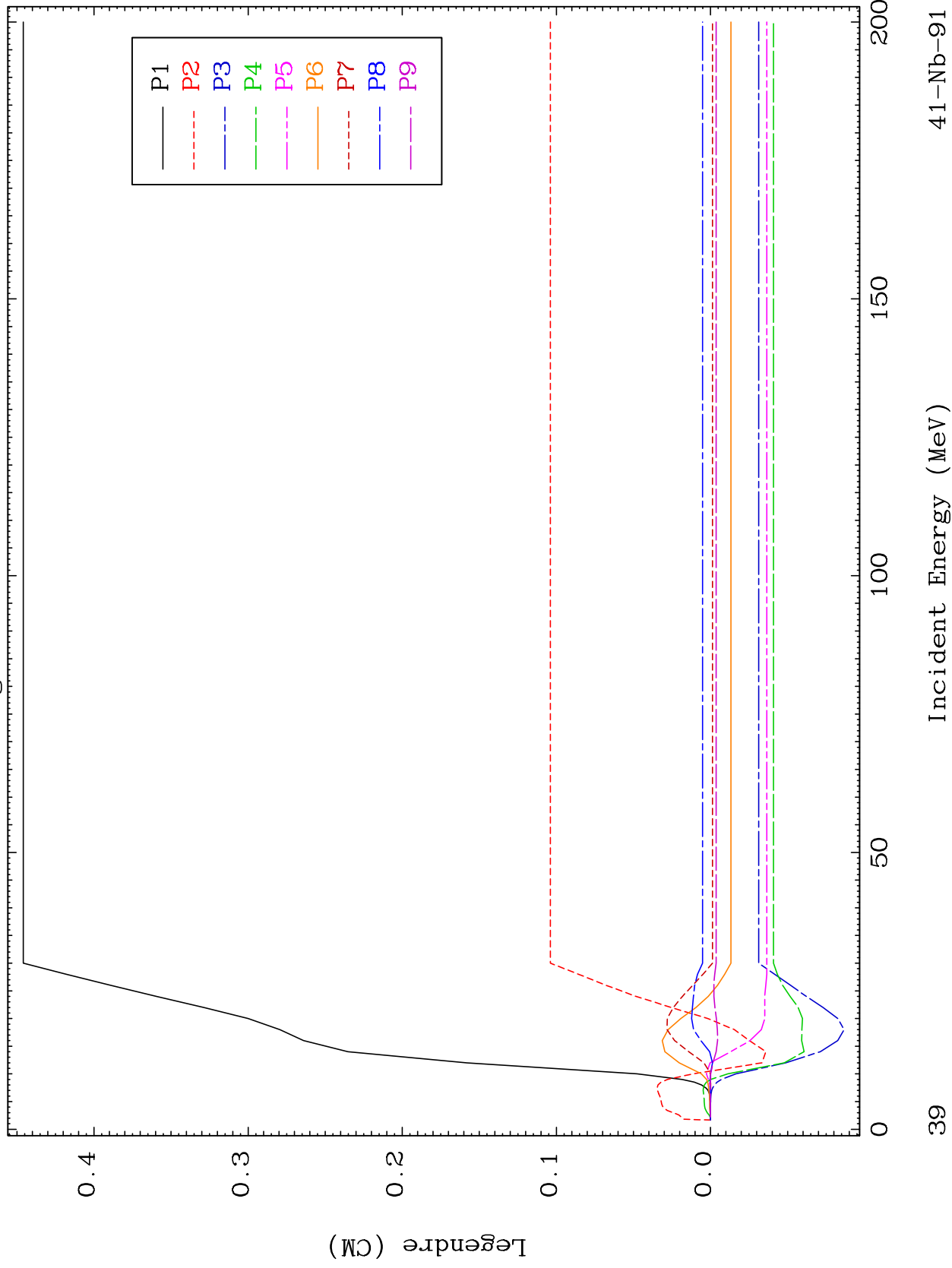
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

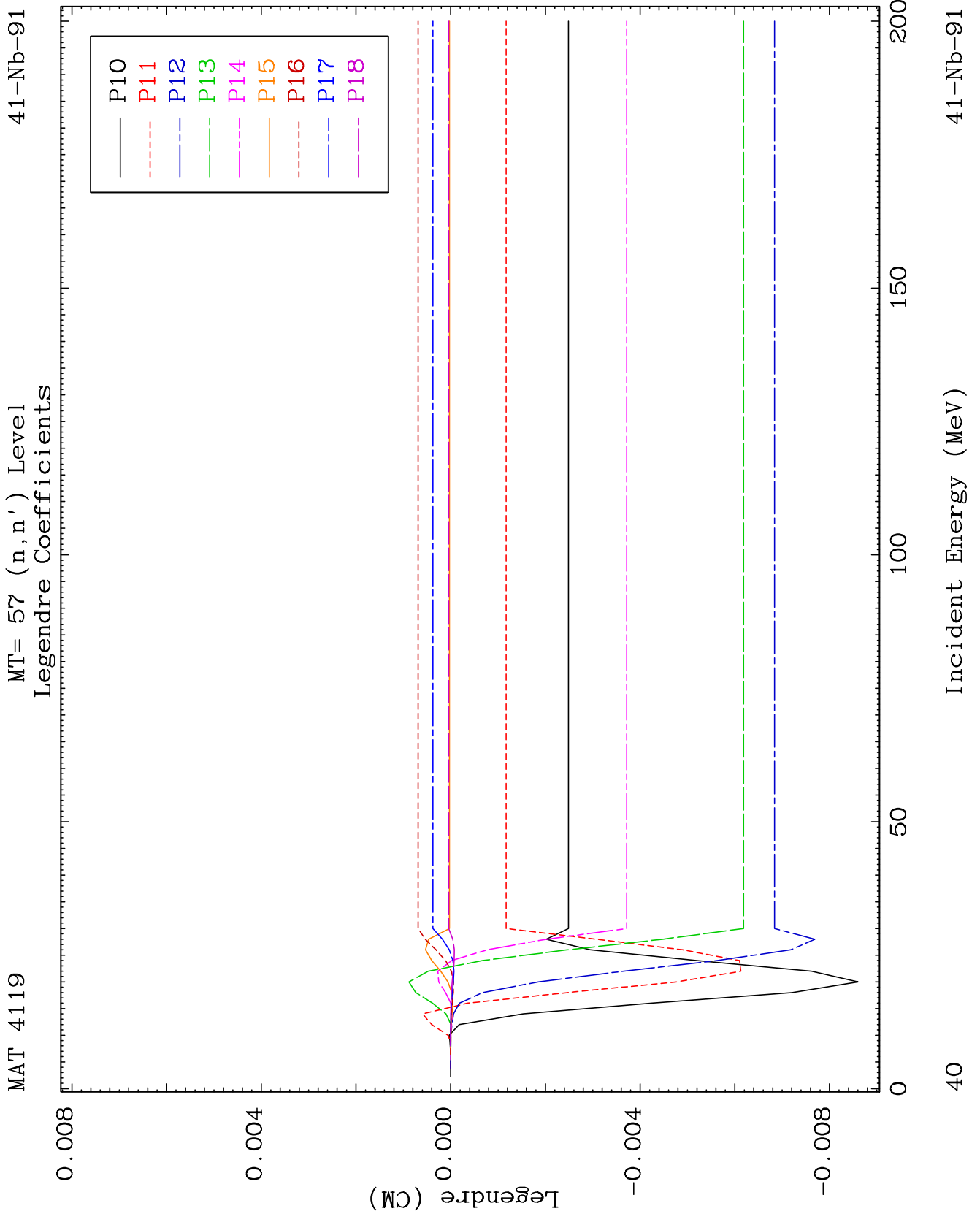
41-Nb-91



41-Nb-91

Incident Energy (MeV)

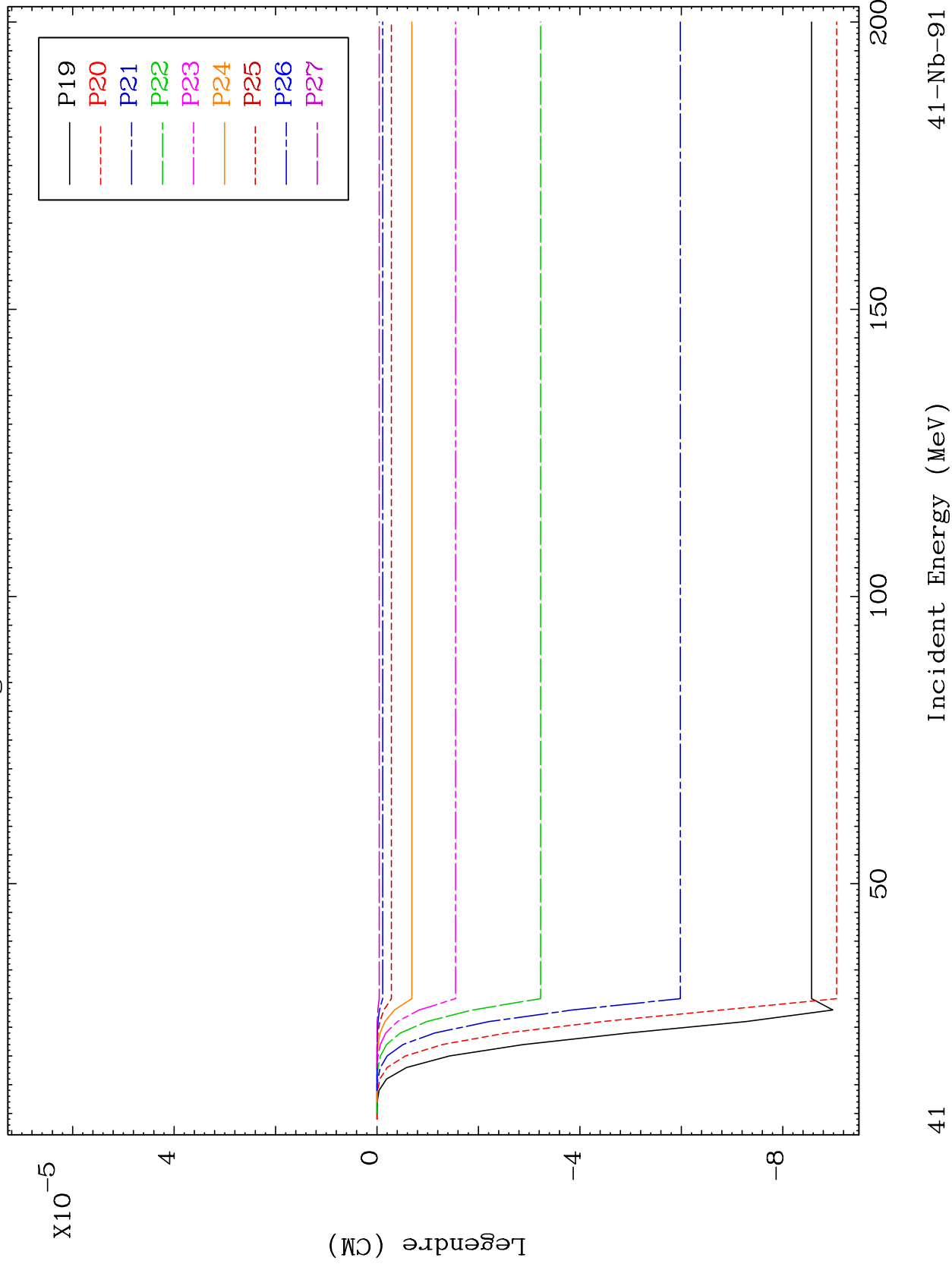
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MAT 4119

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

41-Nb-91

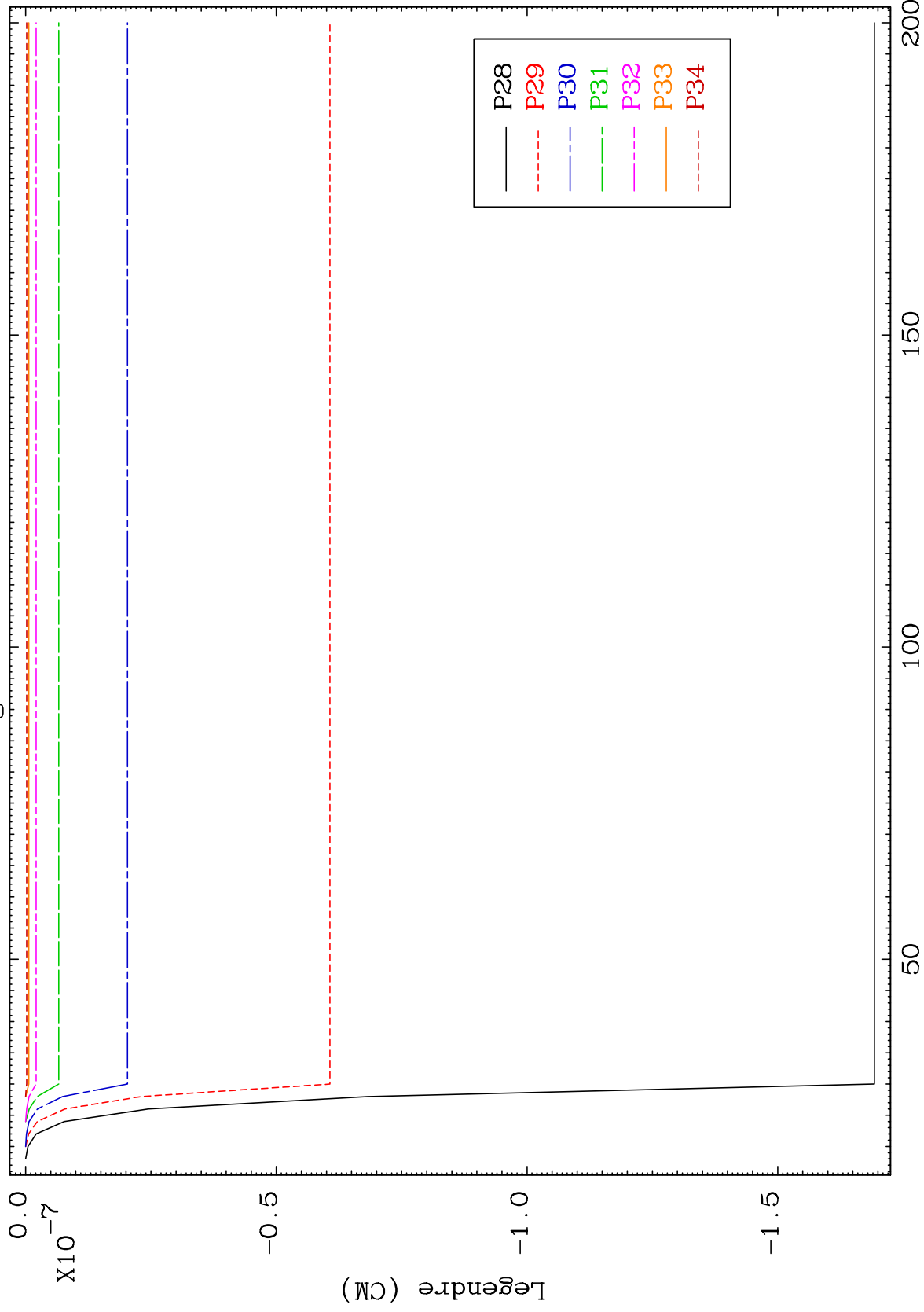


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MAT 4119

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

41-Nb-91



42

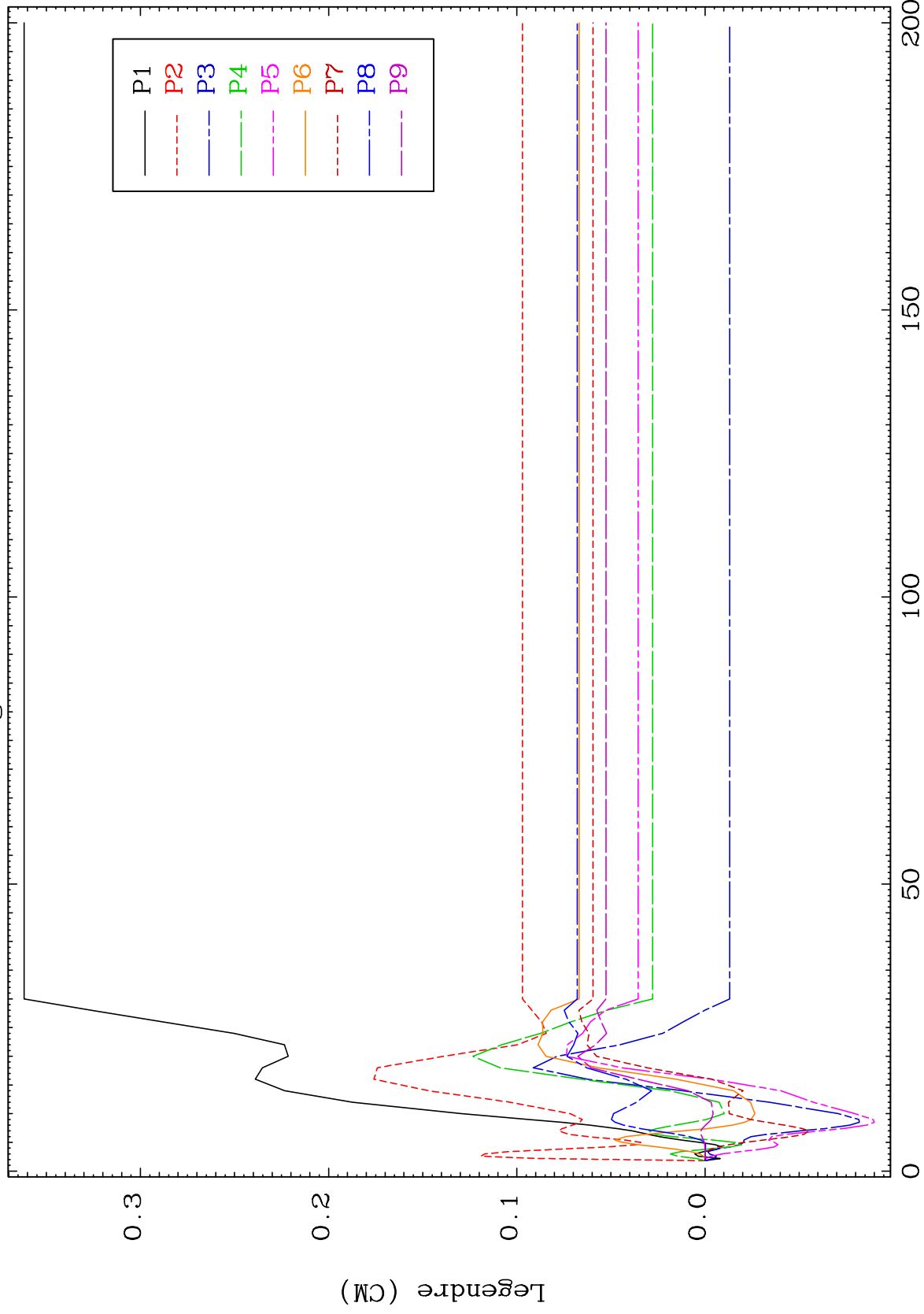
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



43

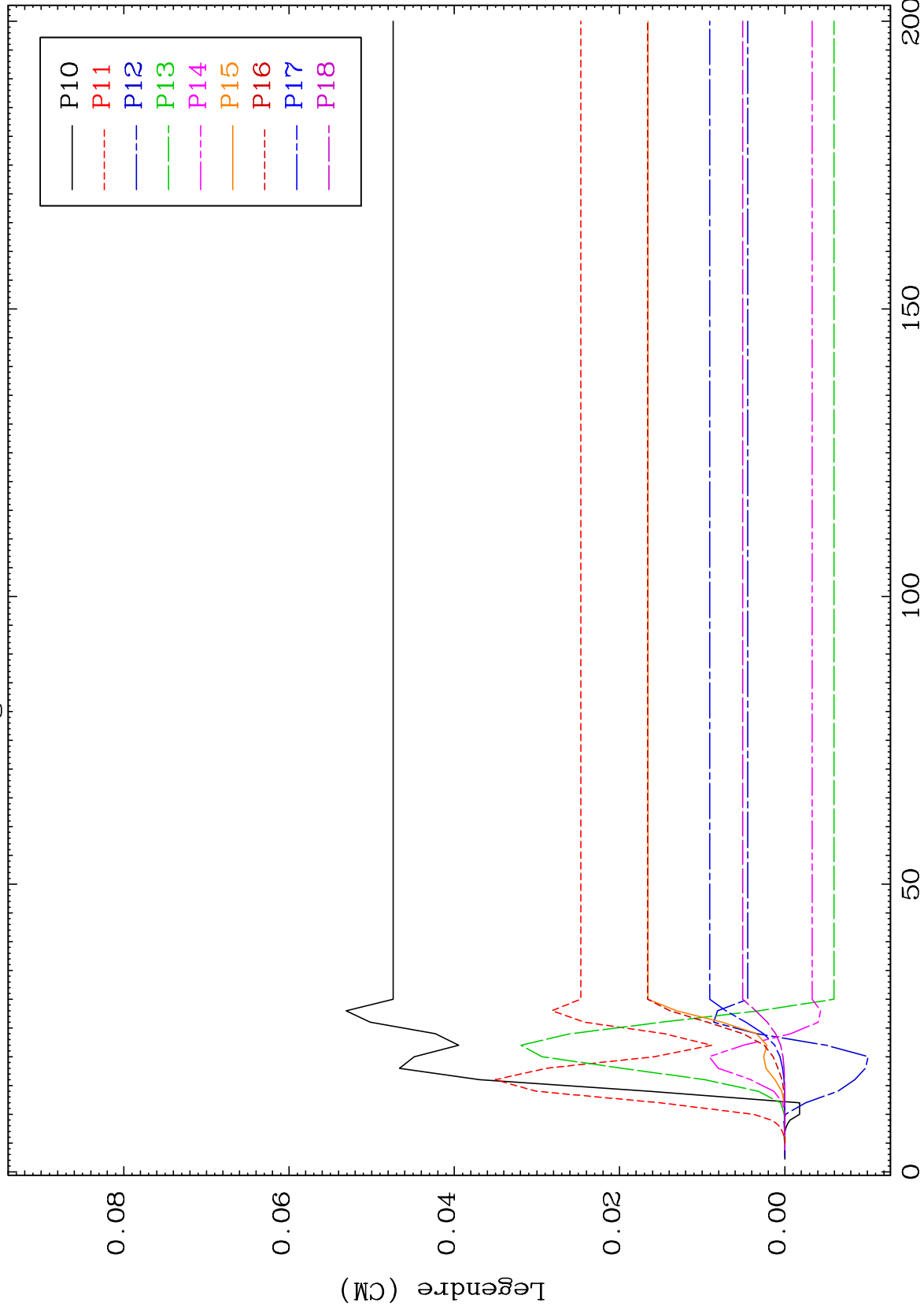
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



44

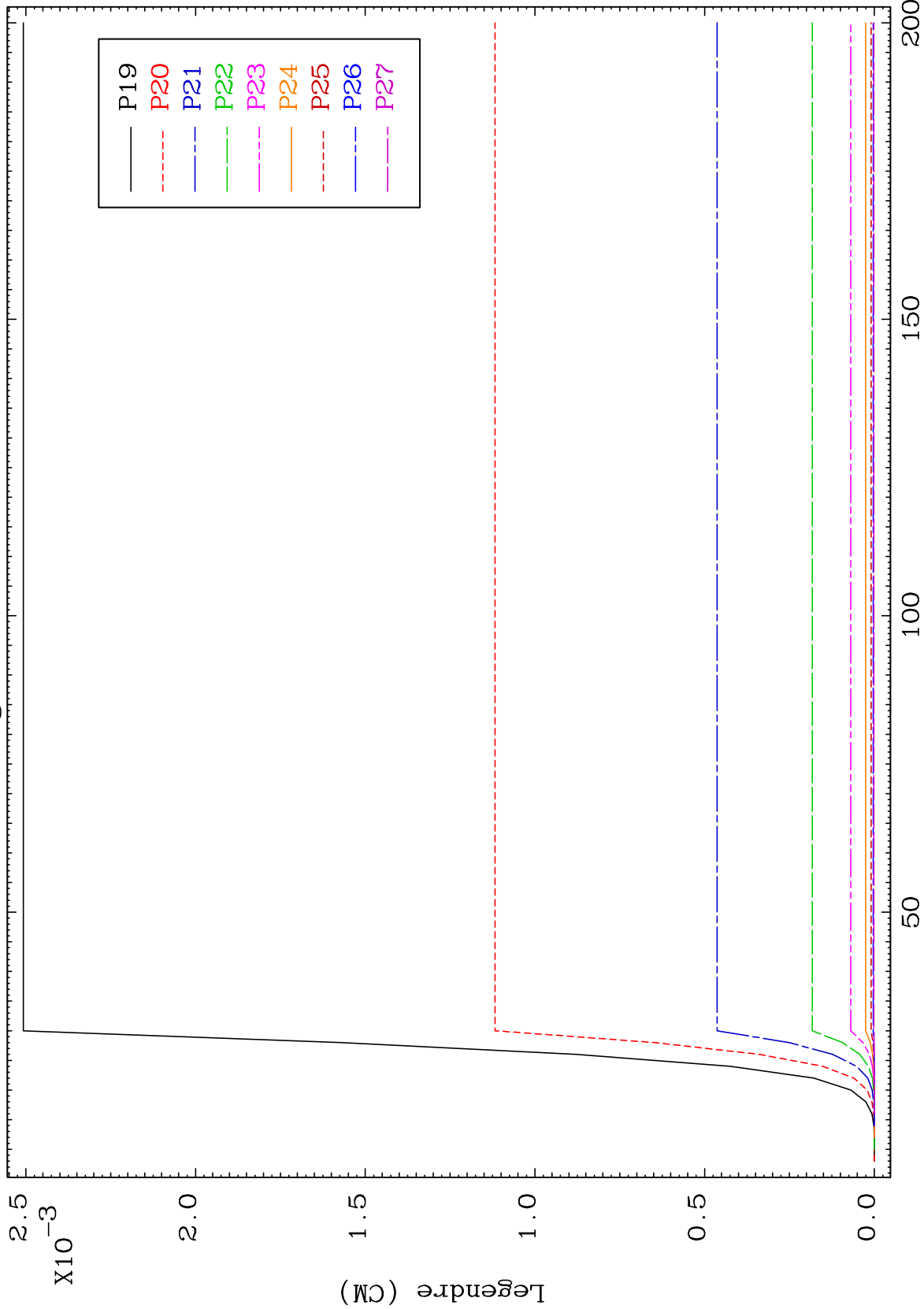
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



45

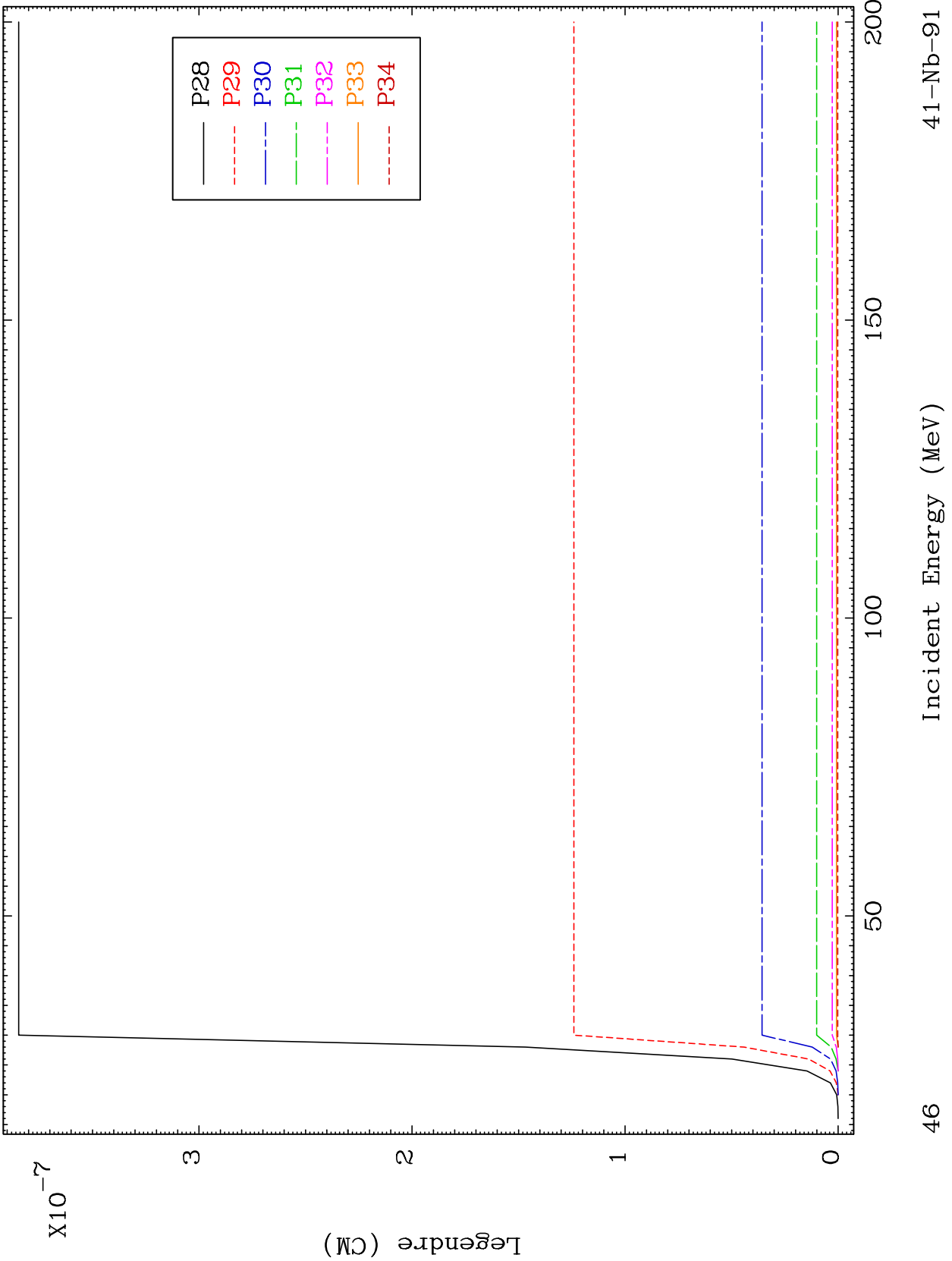
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



46

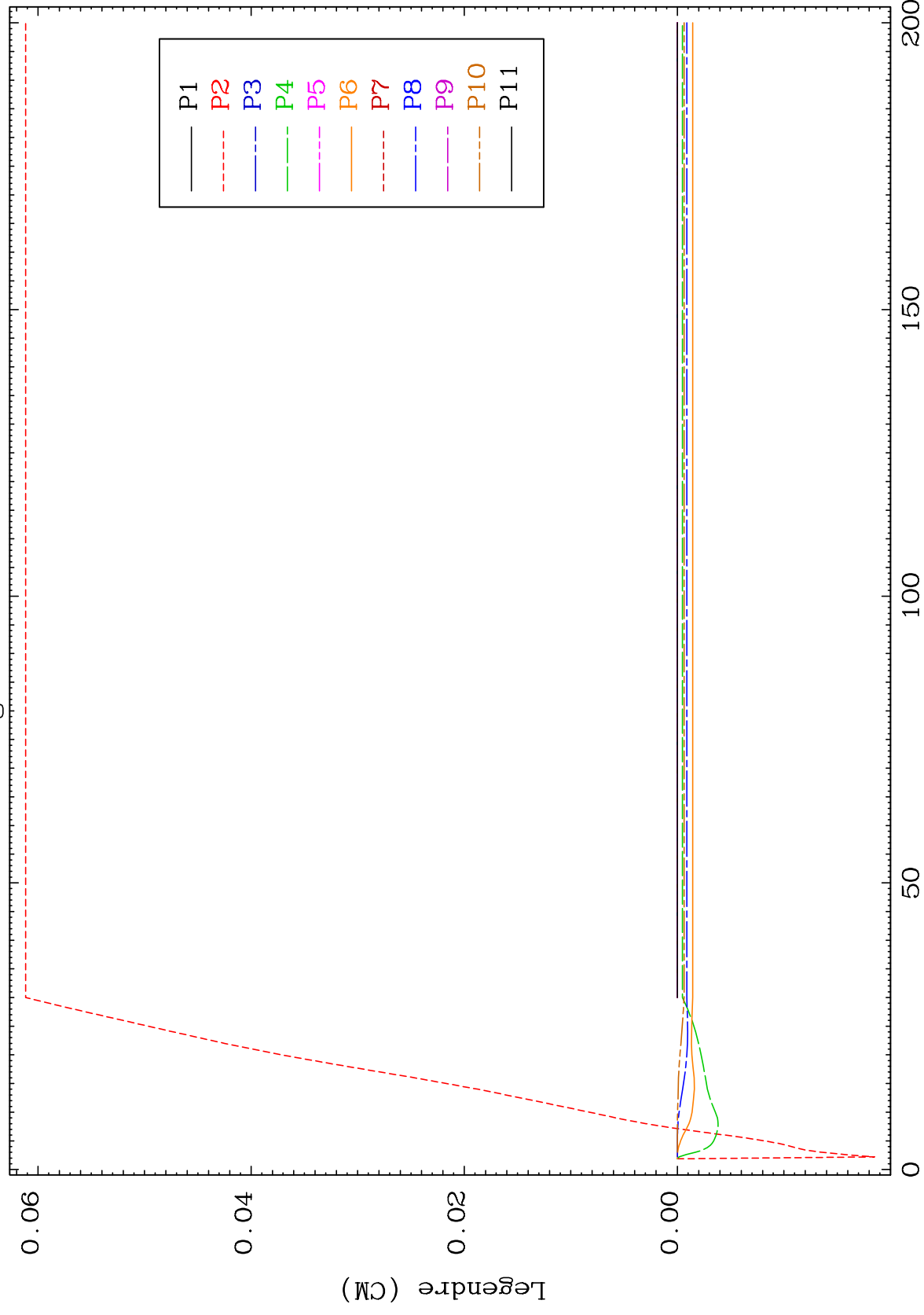
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

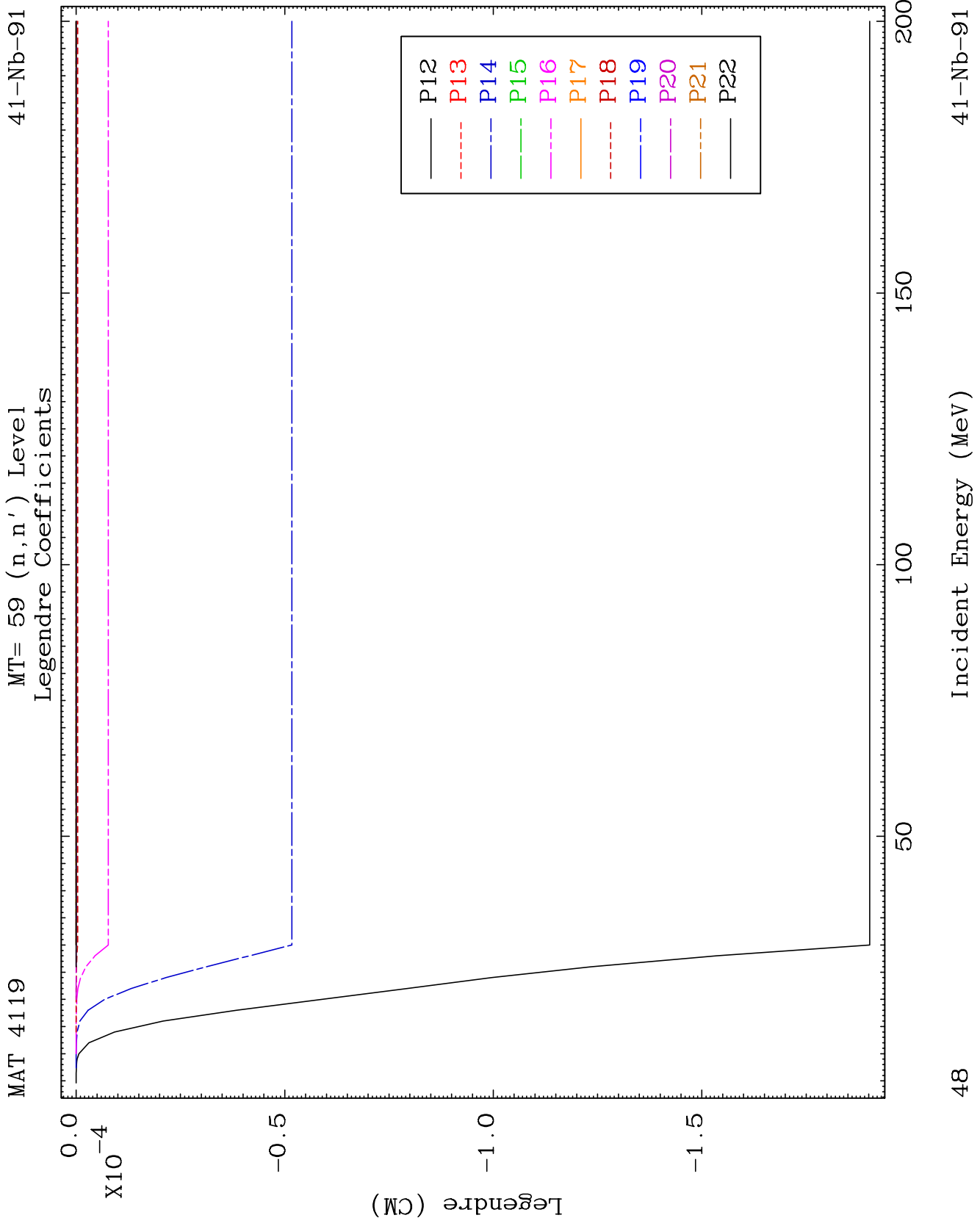
41-Nb-91



47

Incident Energy (MeV)

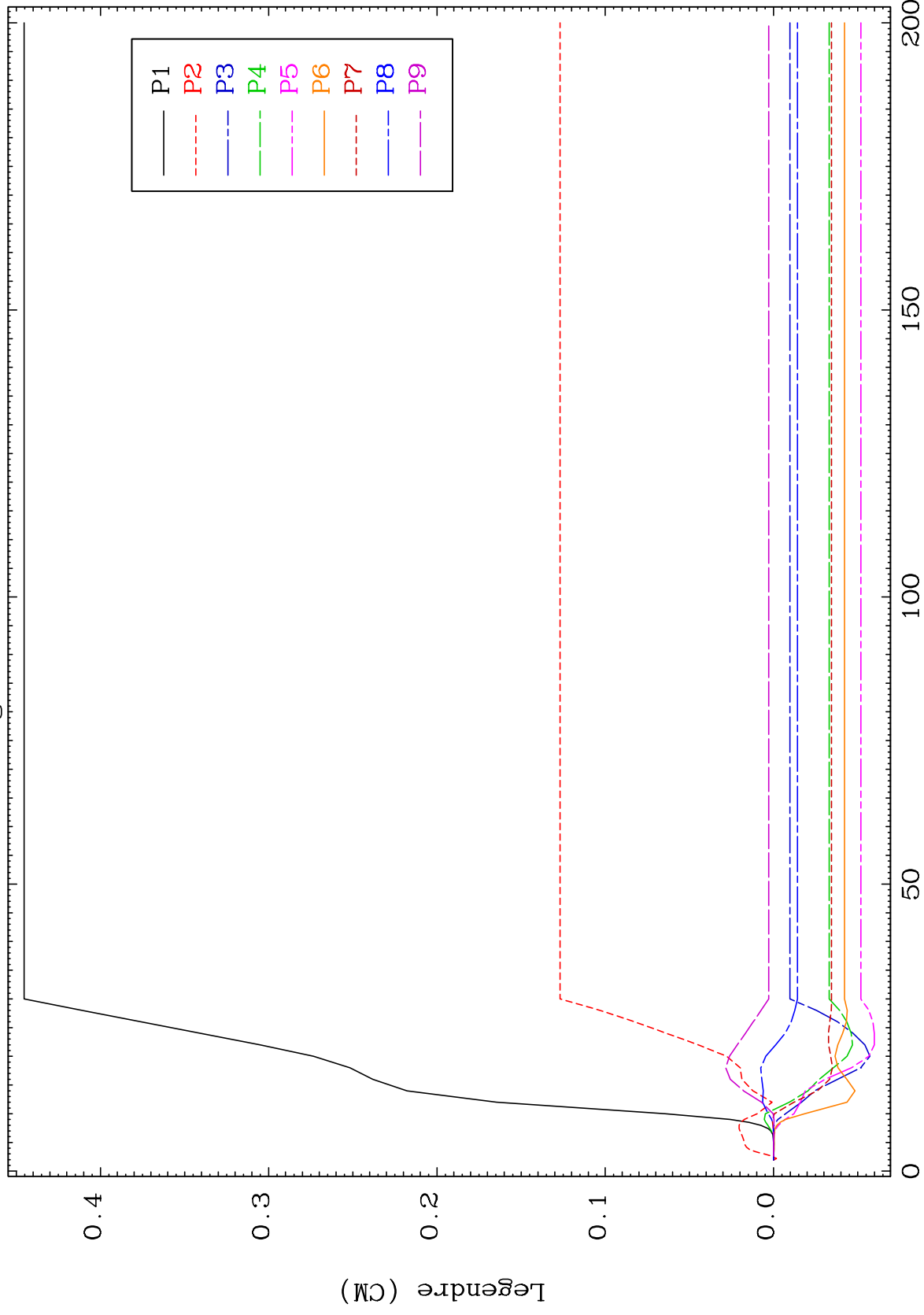
41-Nb-91



MAT 4119

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

41-Nb-91



49

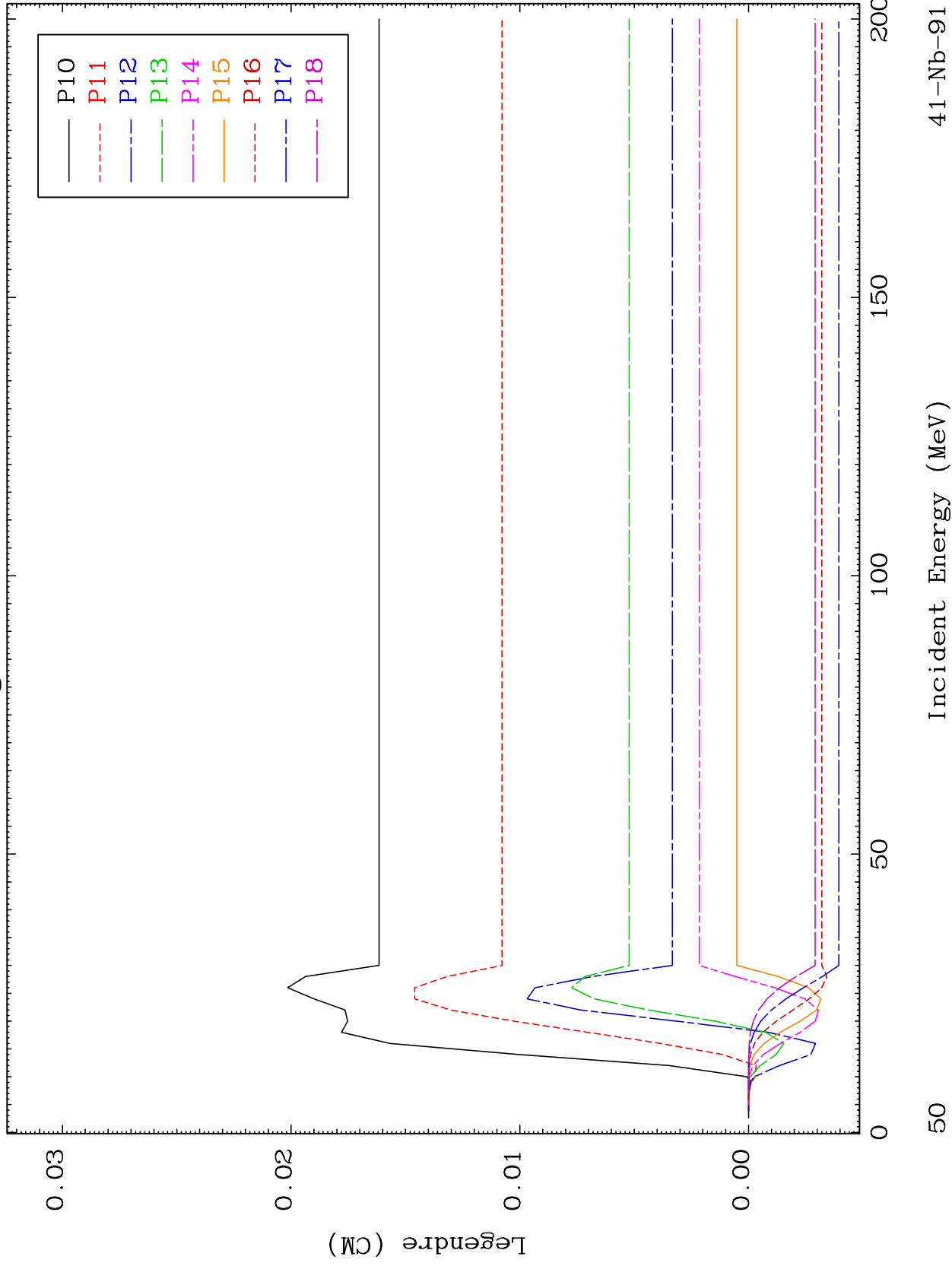
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

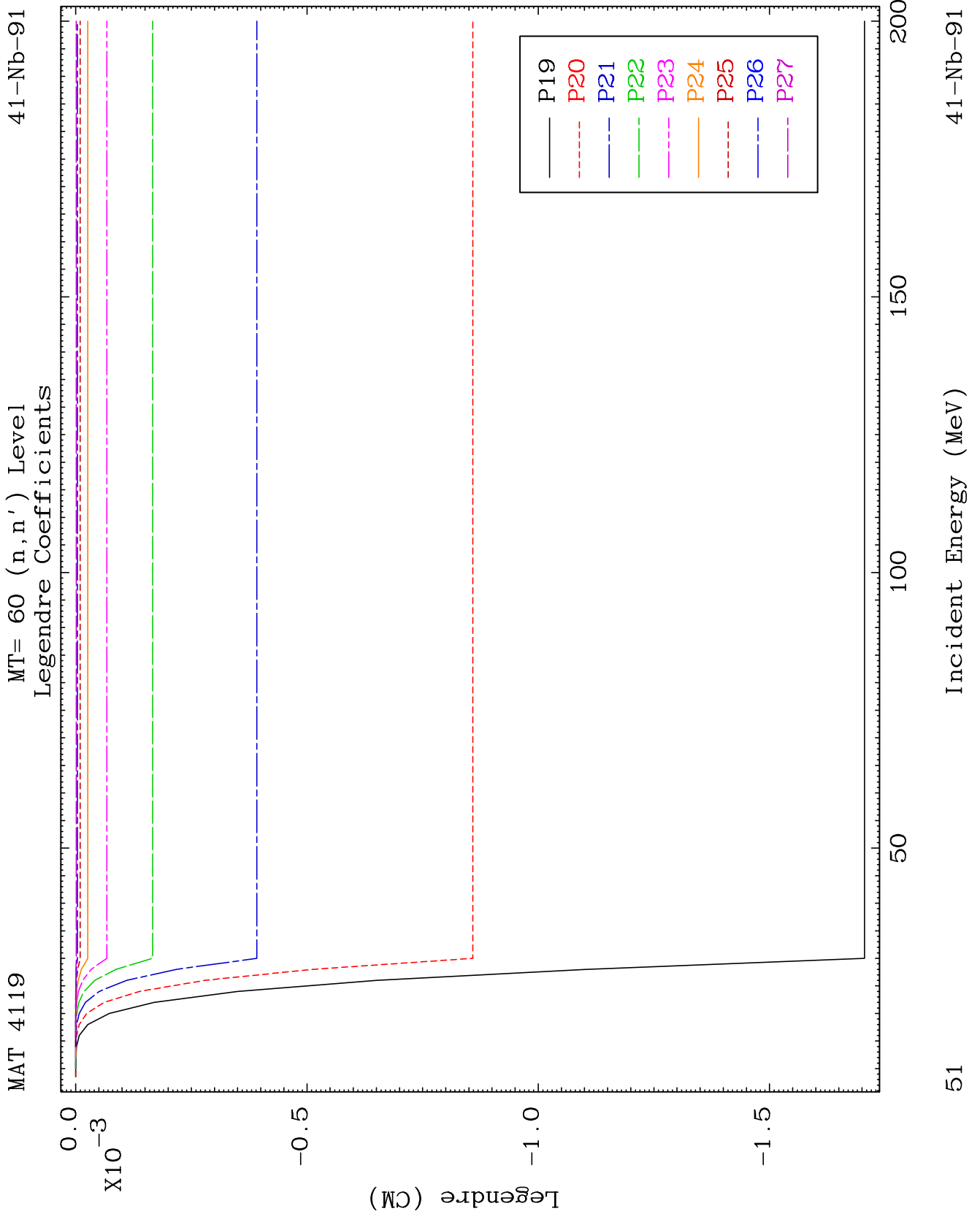
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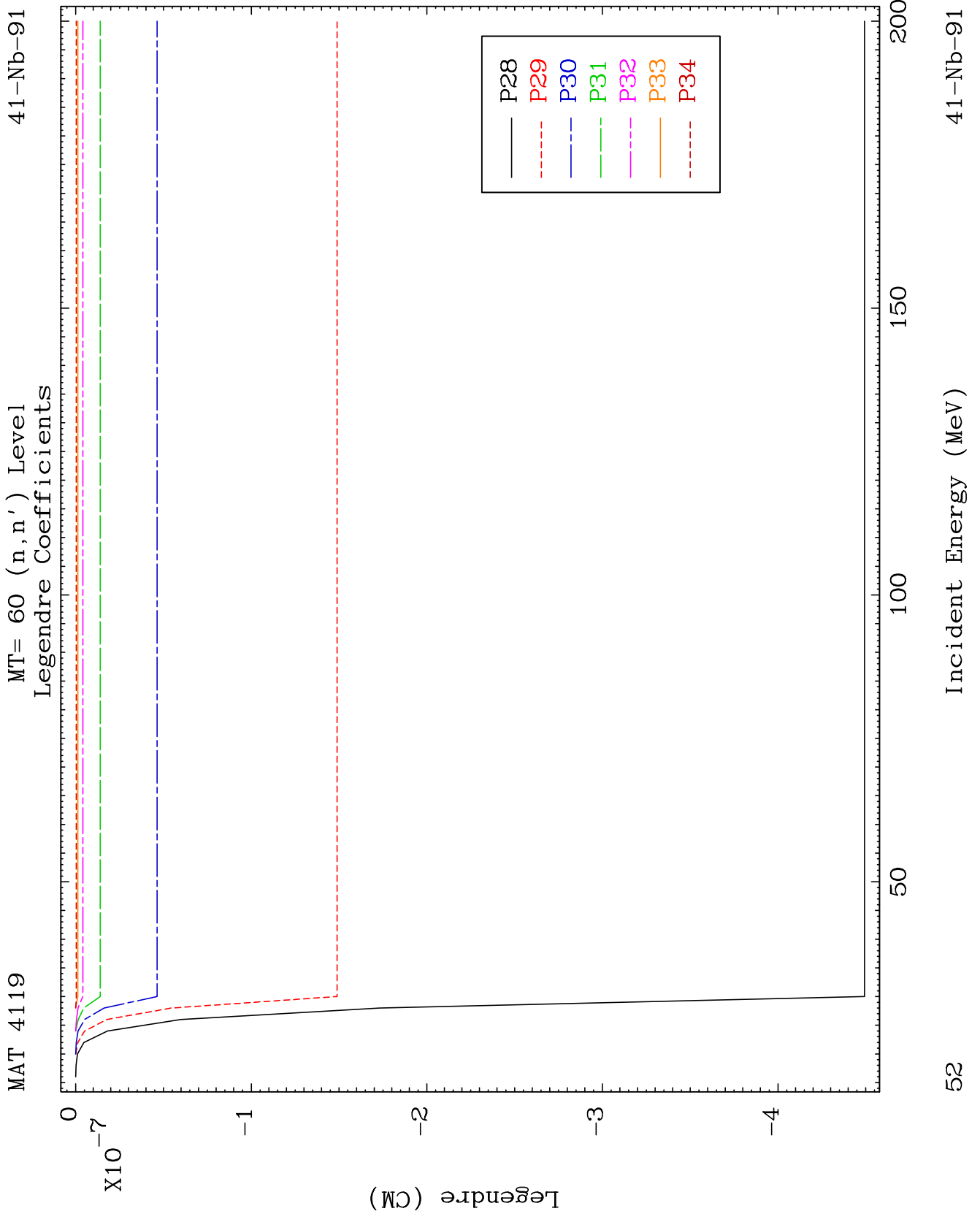


41-Nb-91

Incident Energy (MeV)

50

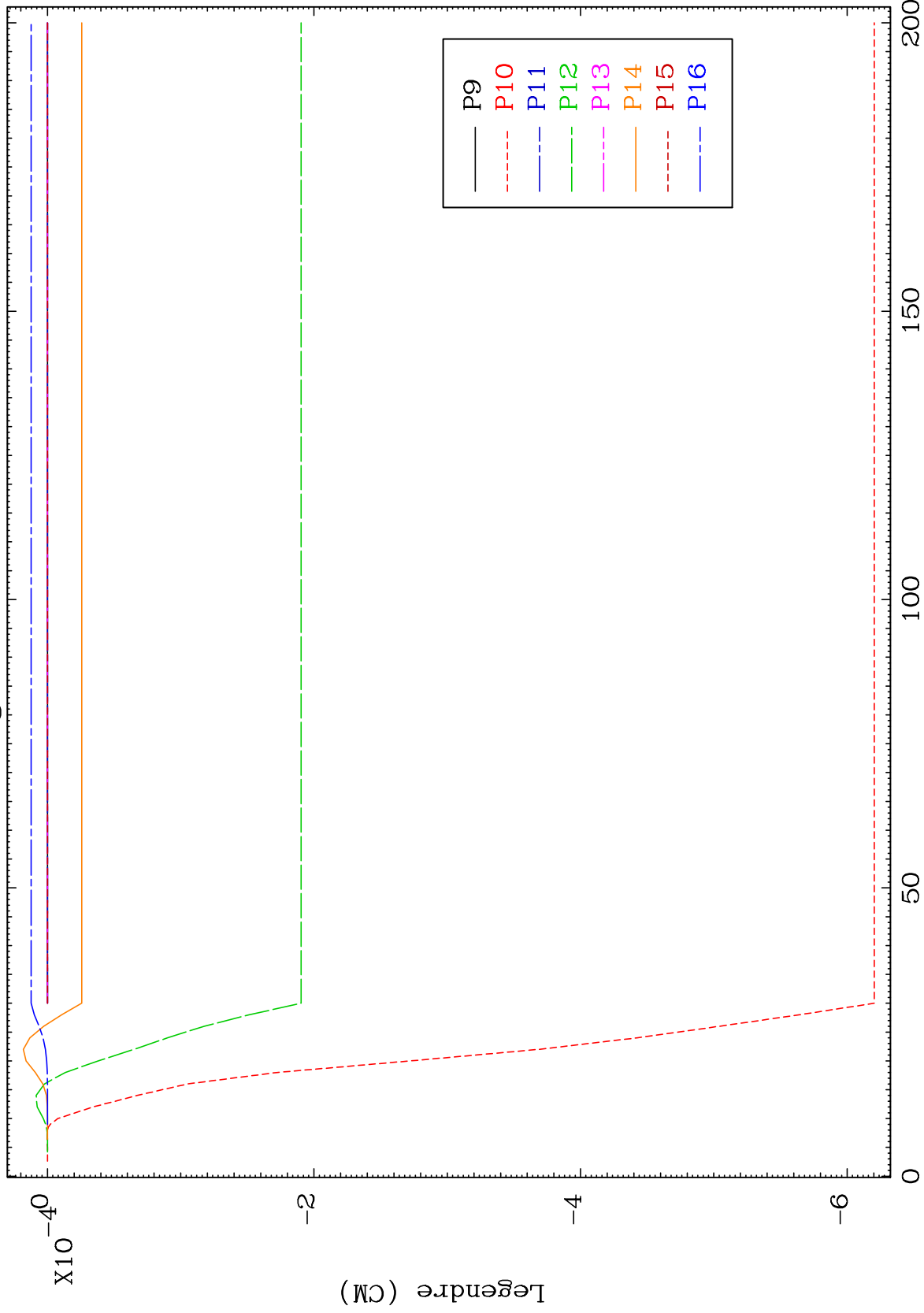




MAT 4119

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

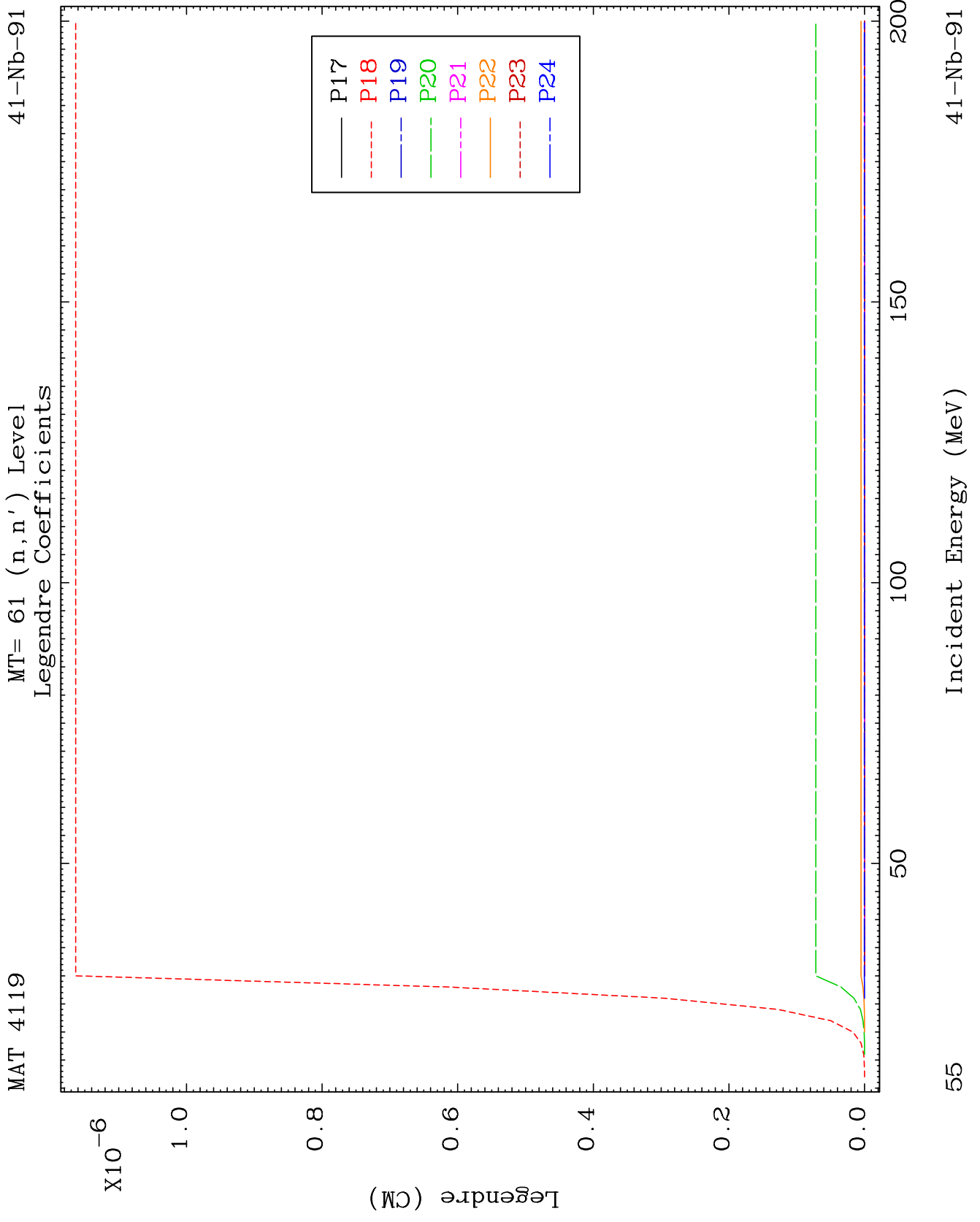
41-Nb-91



54

Incident Energy (MeV)

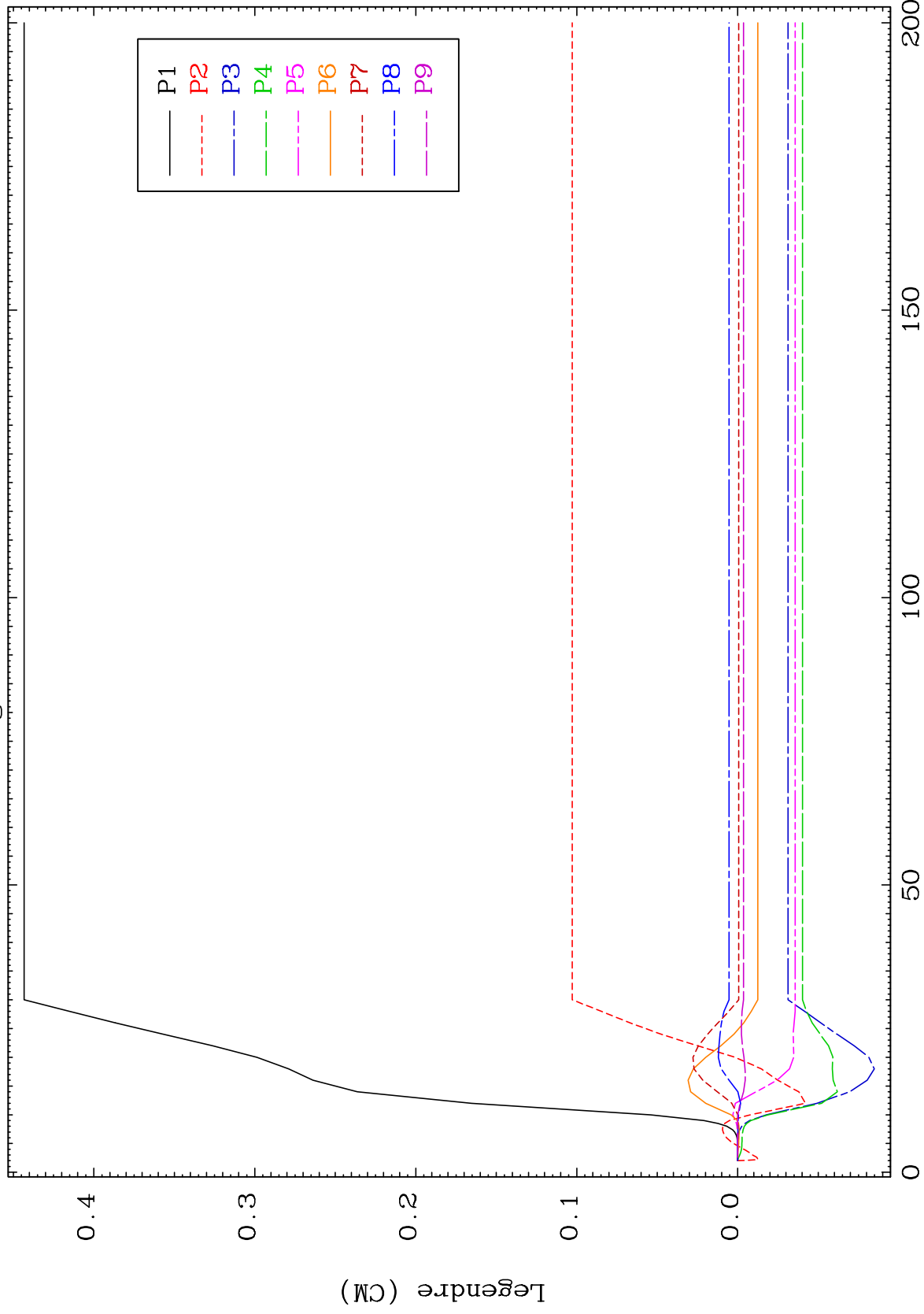
41-Nb-91



MAT 4119

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

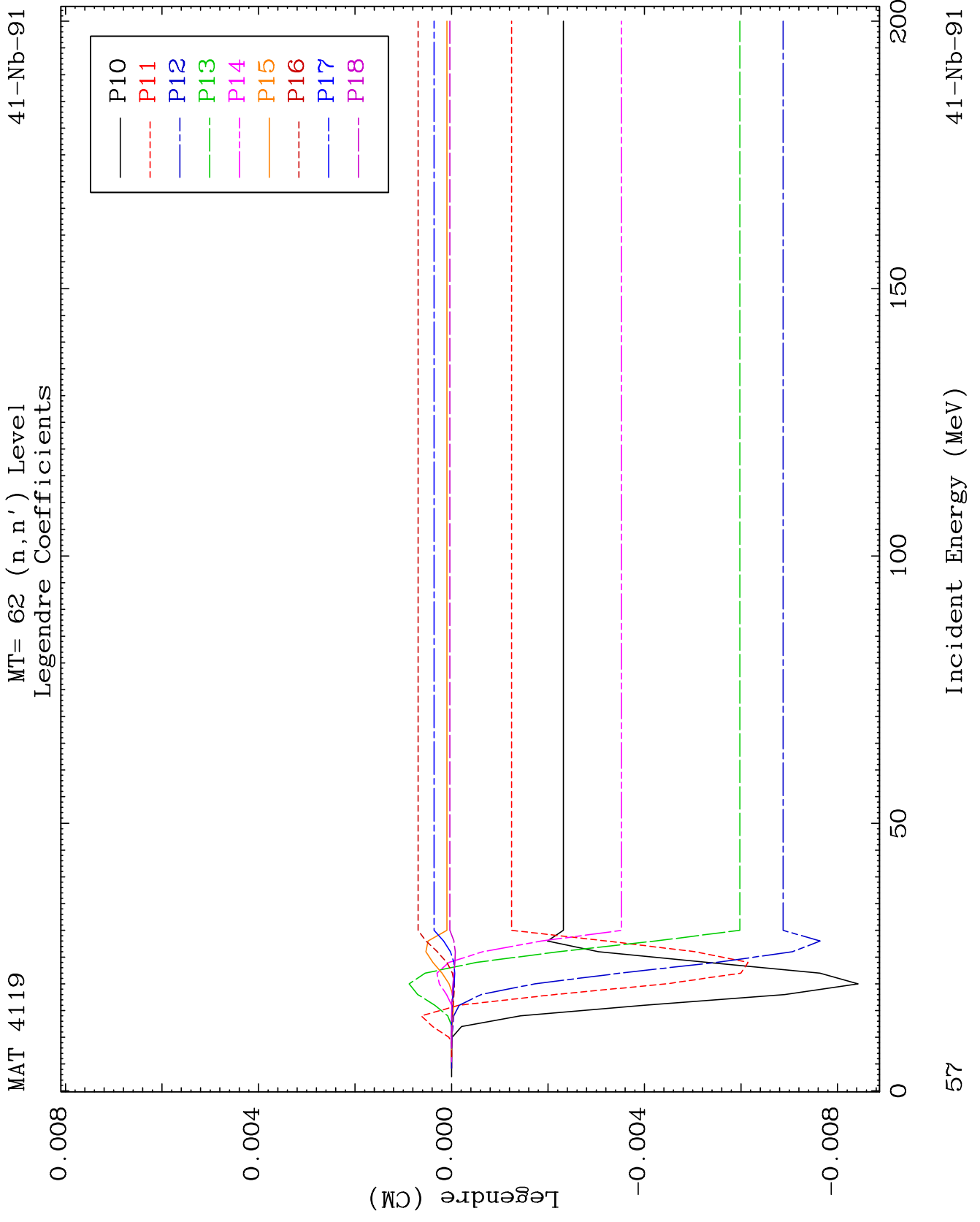
41-Nb-91



56

Incident Energy (MeV)

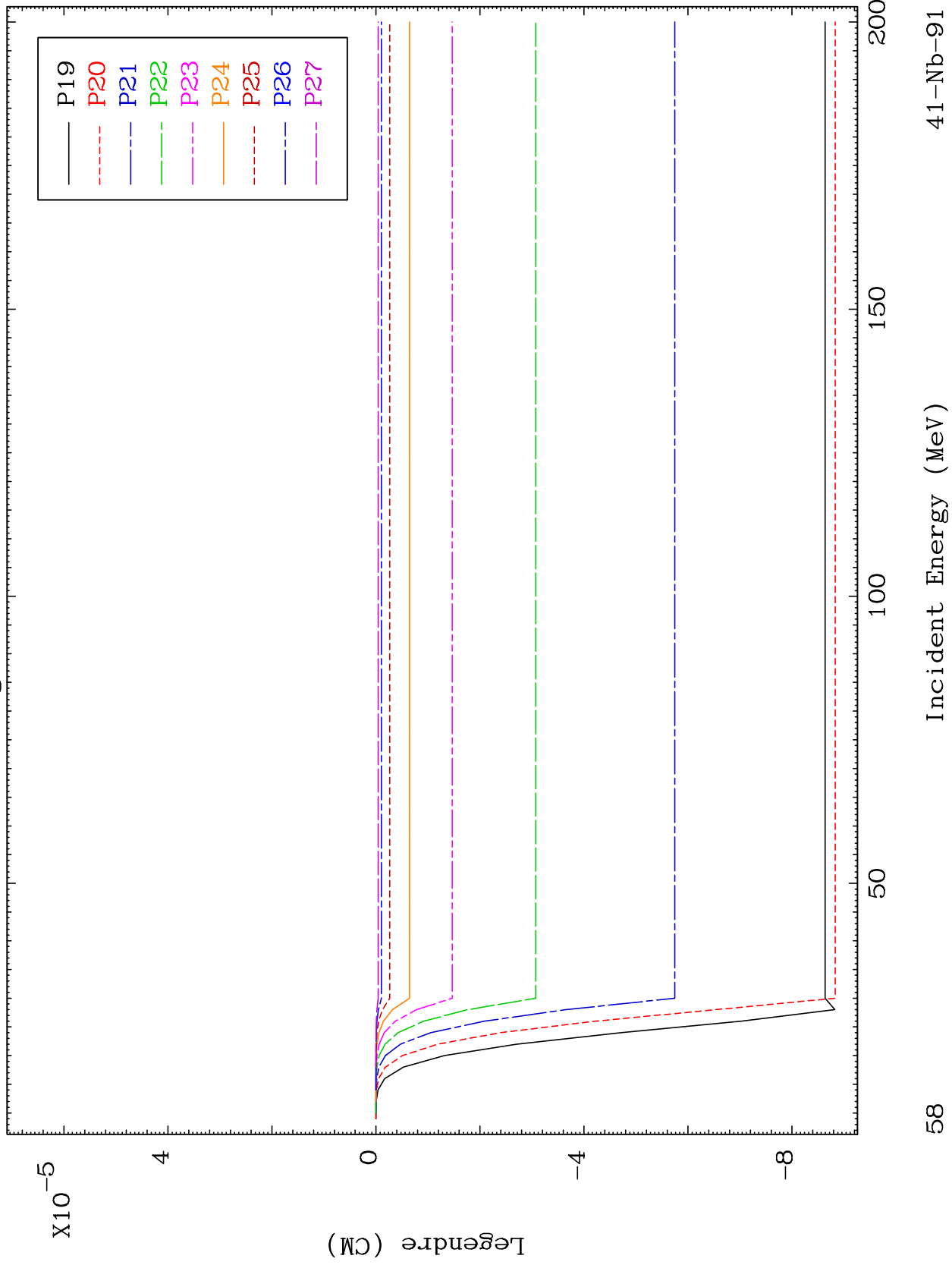
41-Nb-91



MAT 4119

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

41-Nb-91

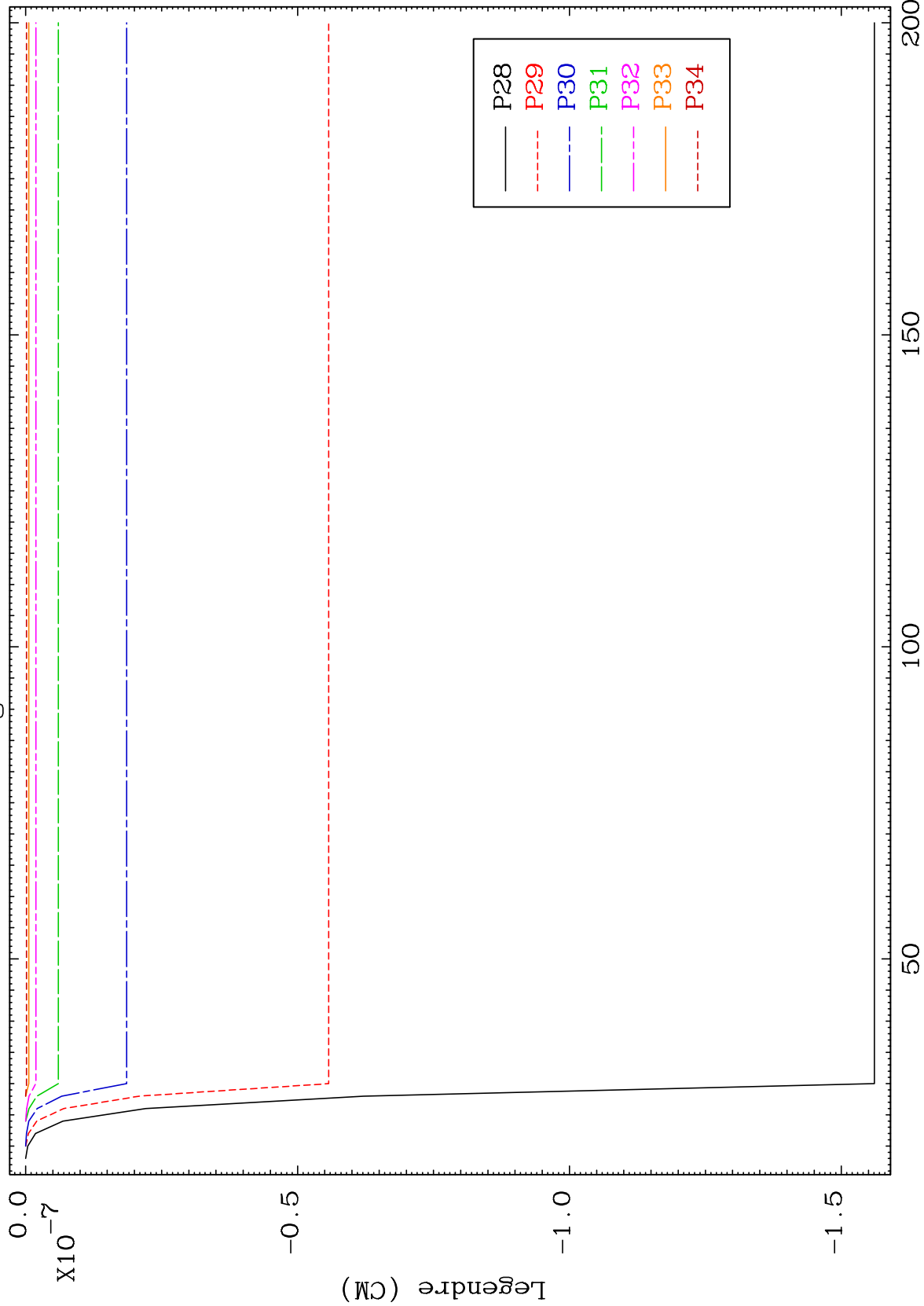


MAT 4119

MT= 62 (n,n') Level

41-Nb-91

Legendre Coefficients



59

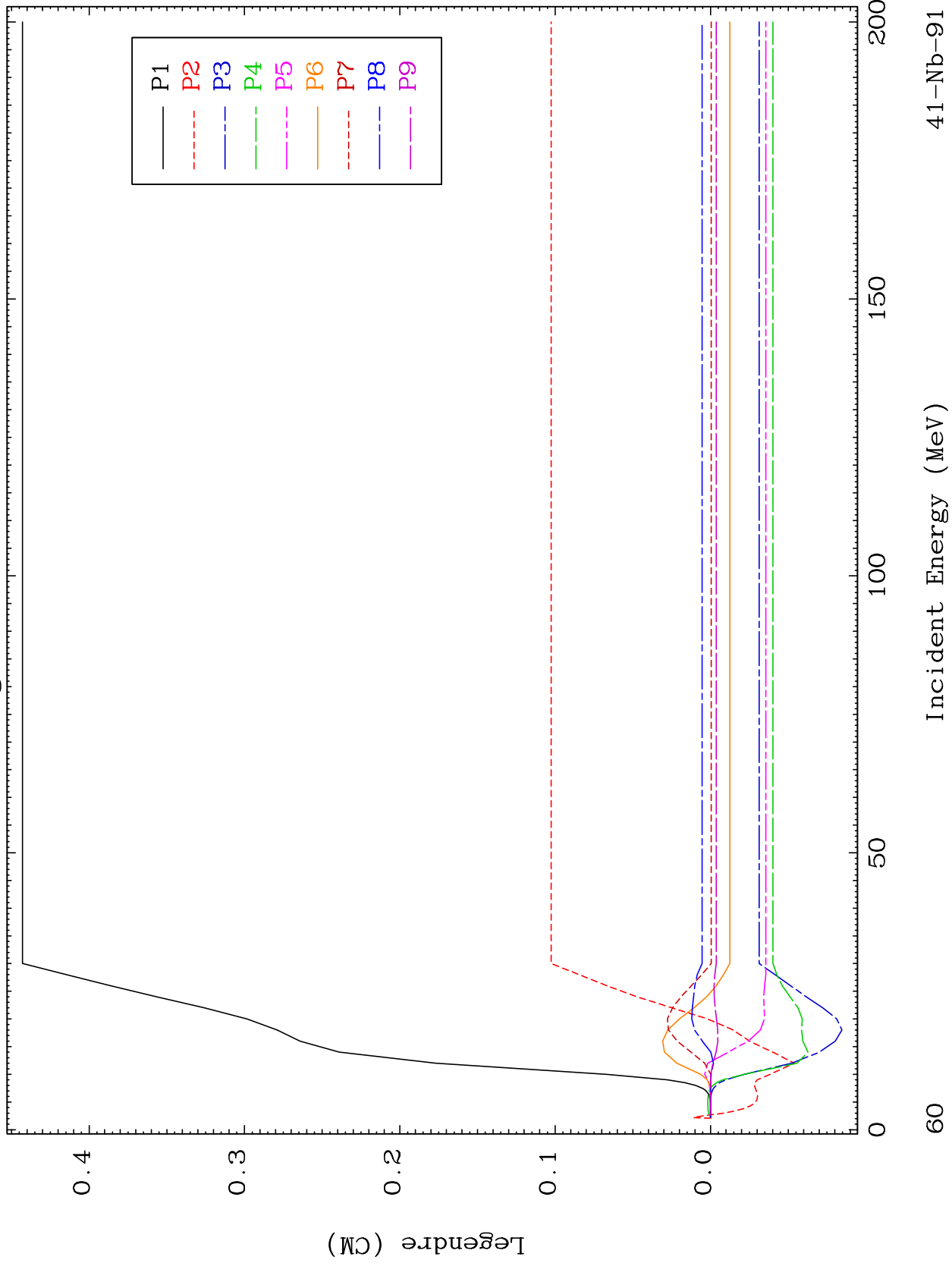
Incident Energy (MeV)

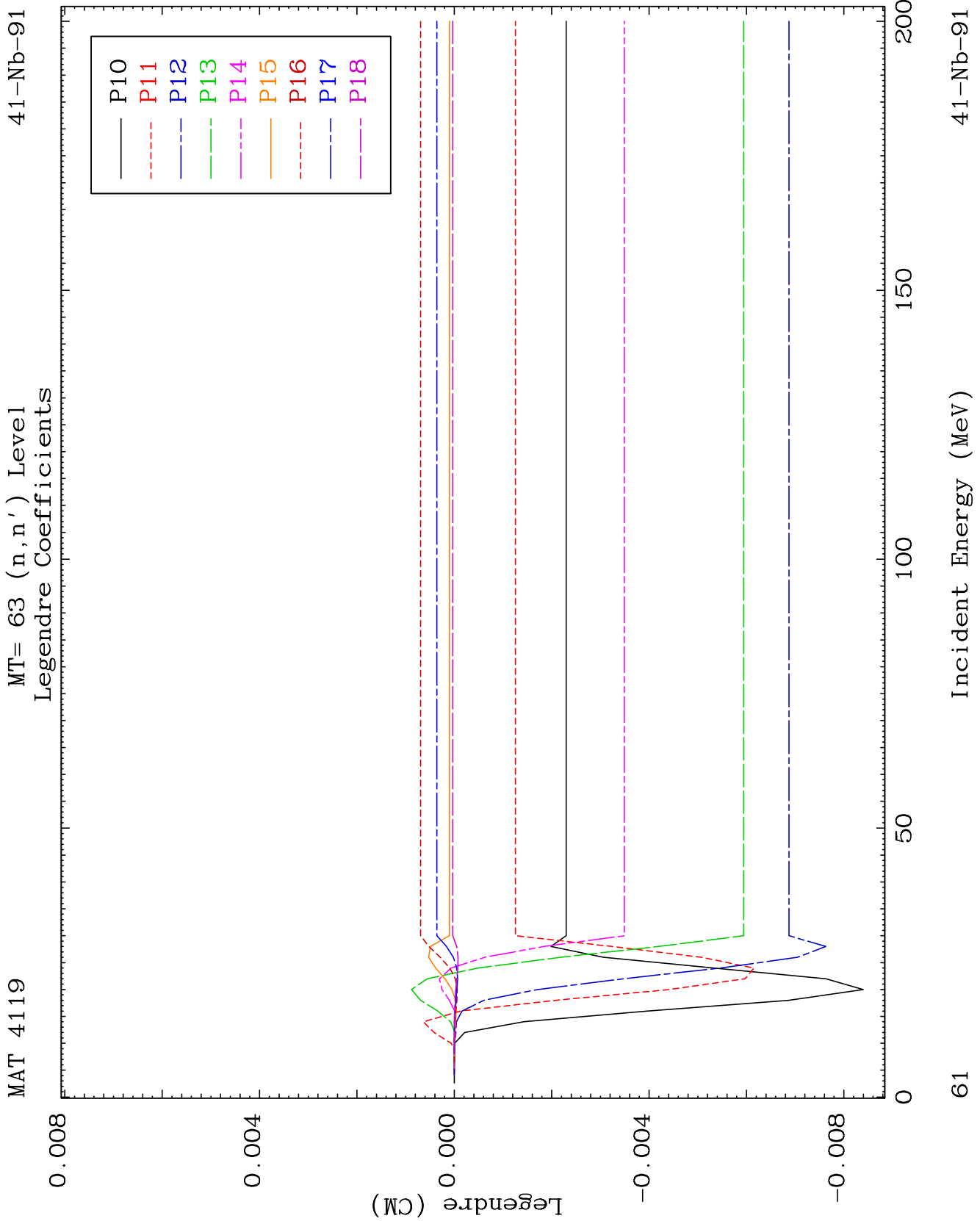
41-Nb-91

MAT 4119

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

41-Nb-91

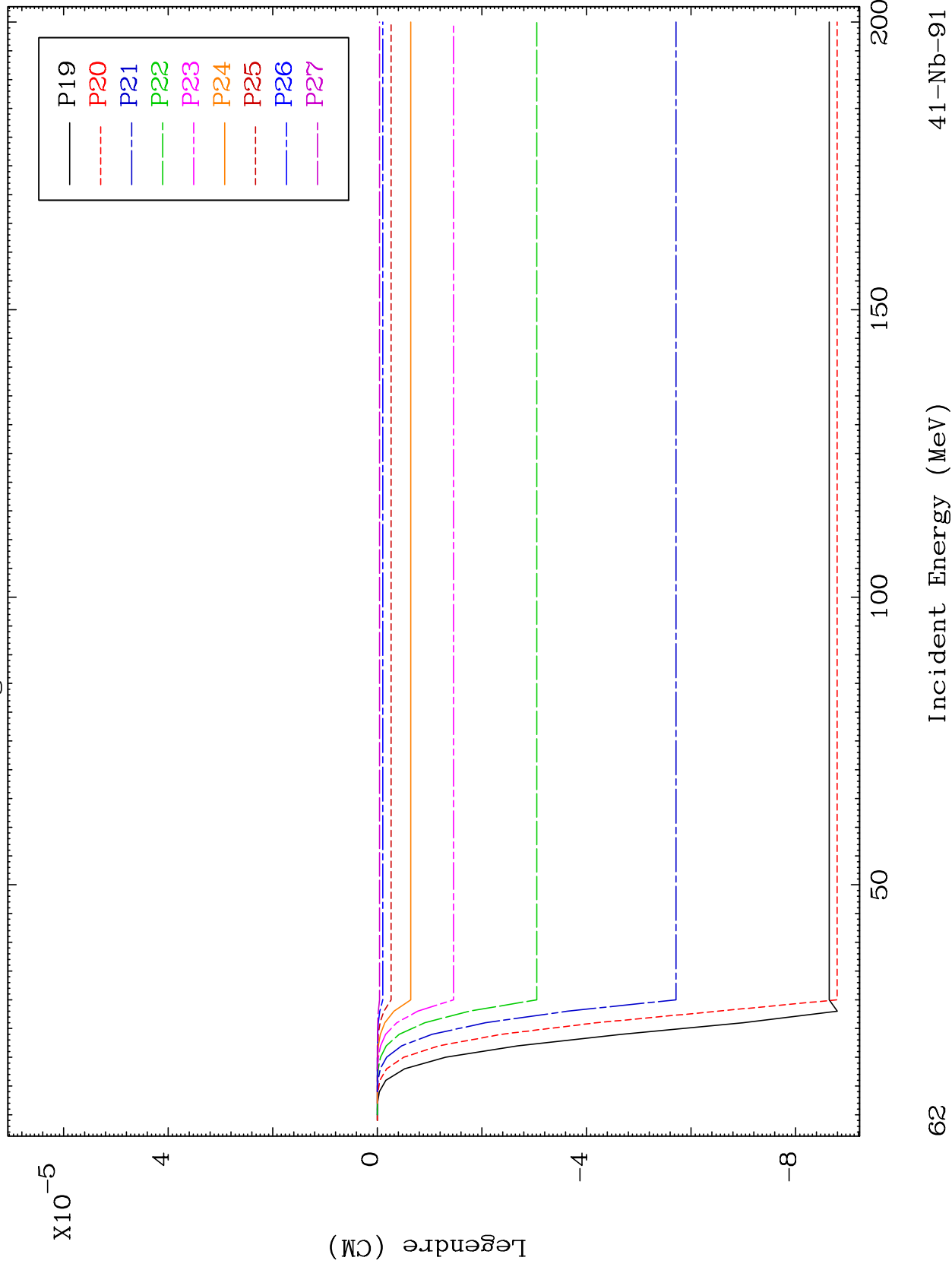




MAT 4119

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

41-Nb-91

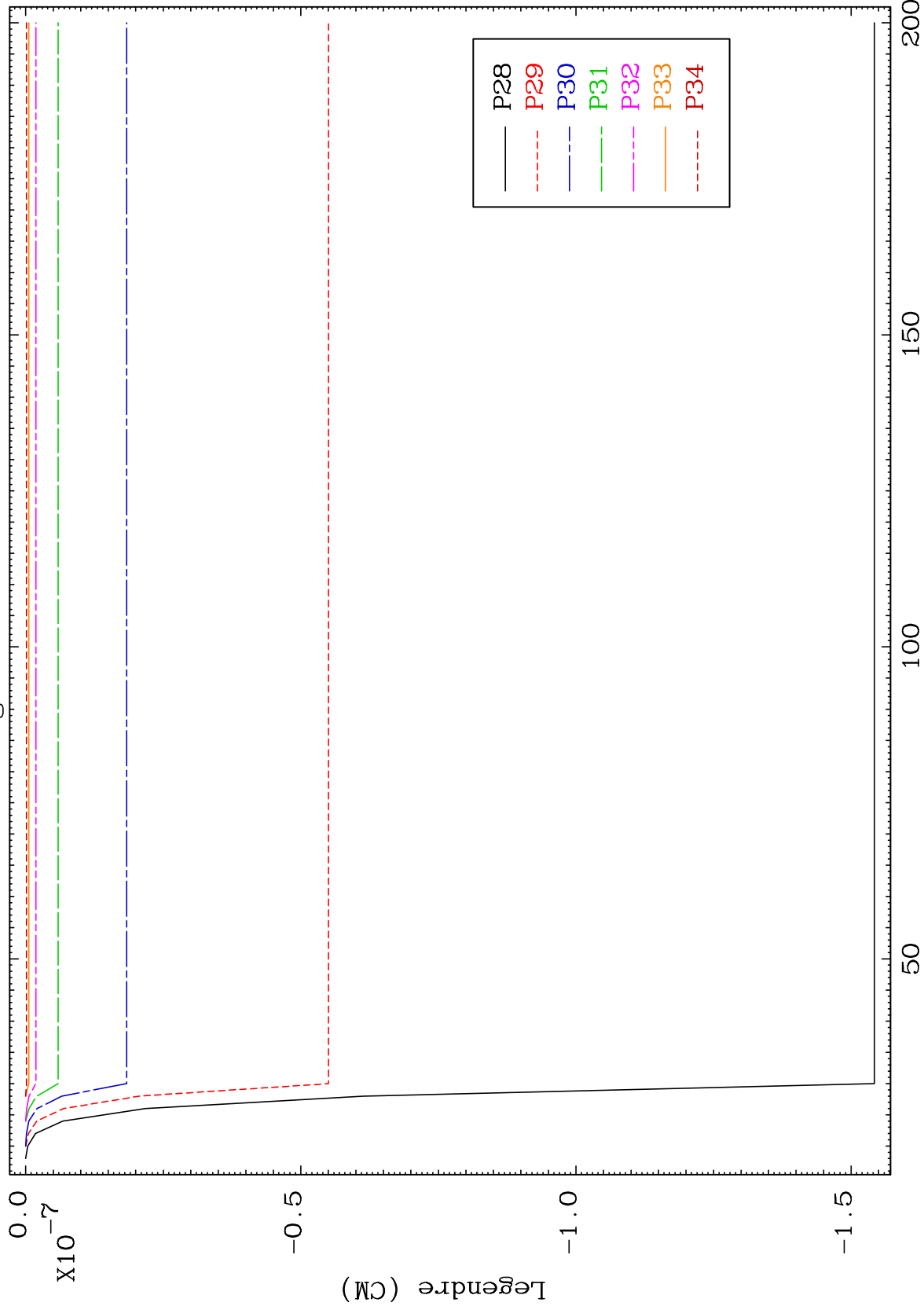


MAT 4119

MT= 63 (n,n') Level

41-Nb-91

Legendre Coefficients



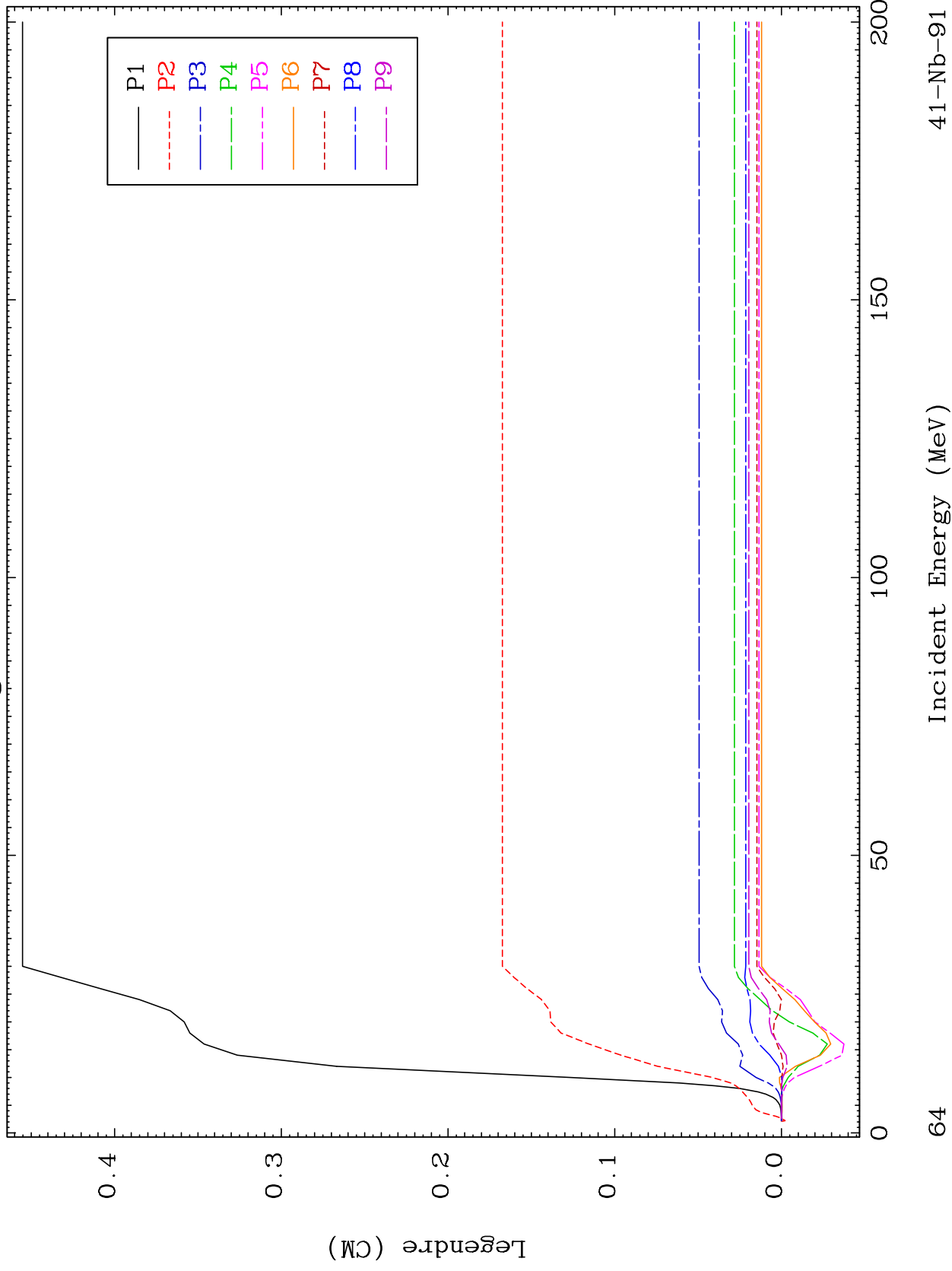
63

41-Nb-91

MAT 4119

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

41-Nb-91



64

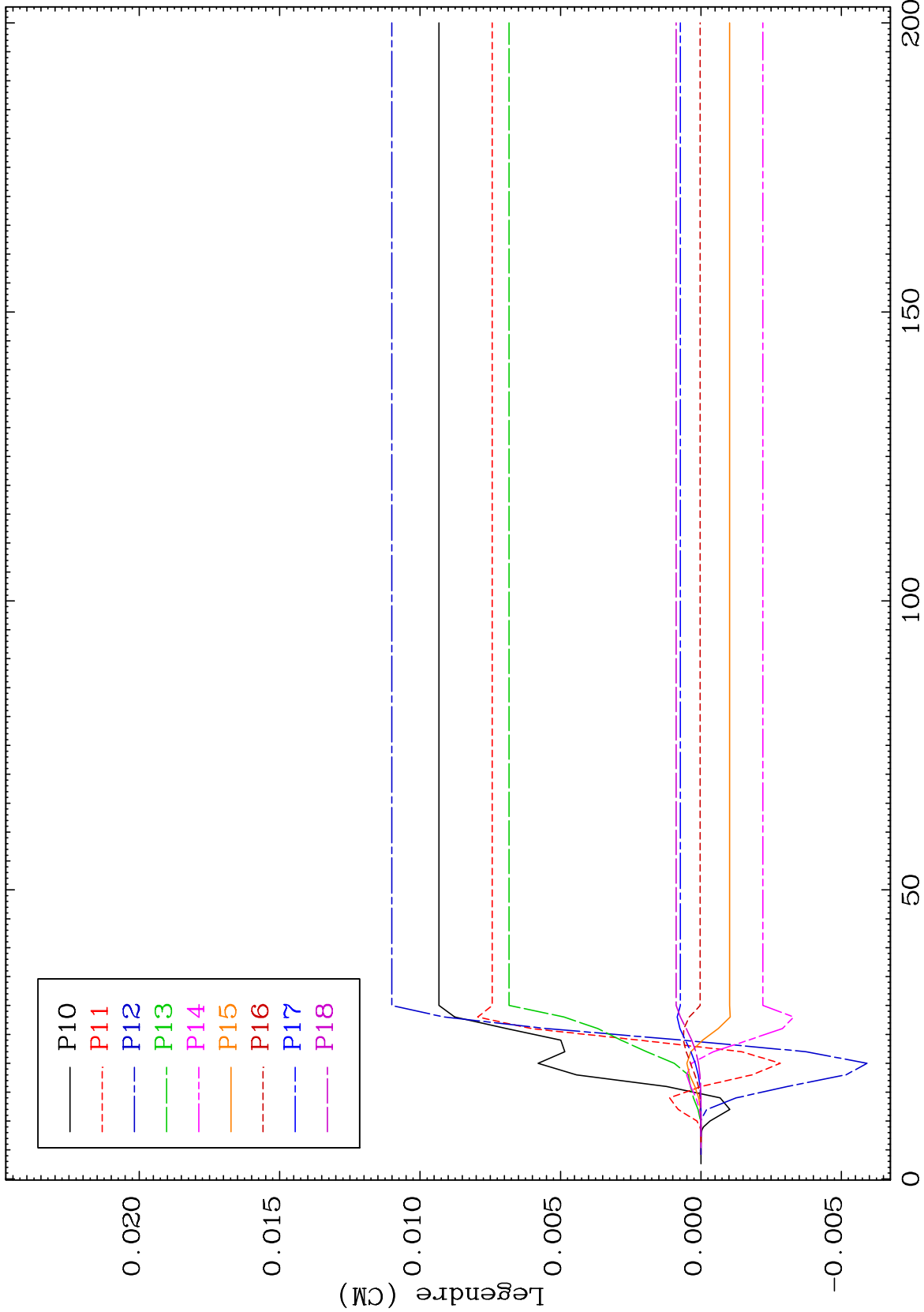
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



65

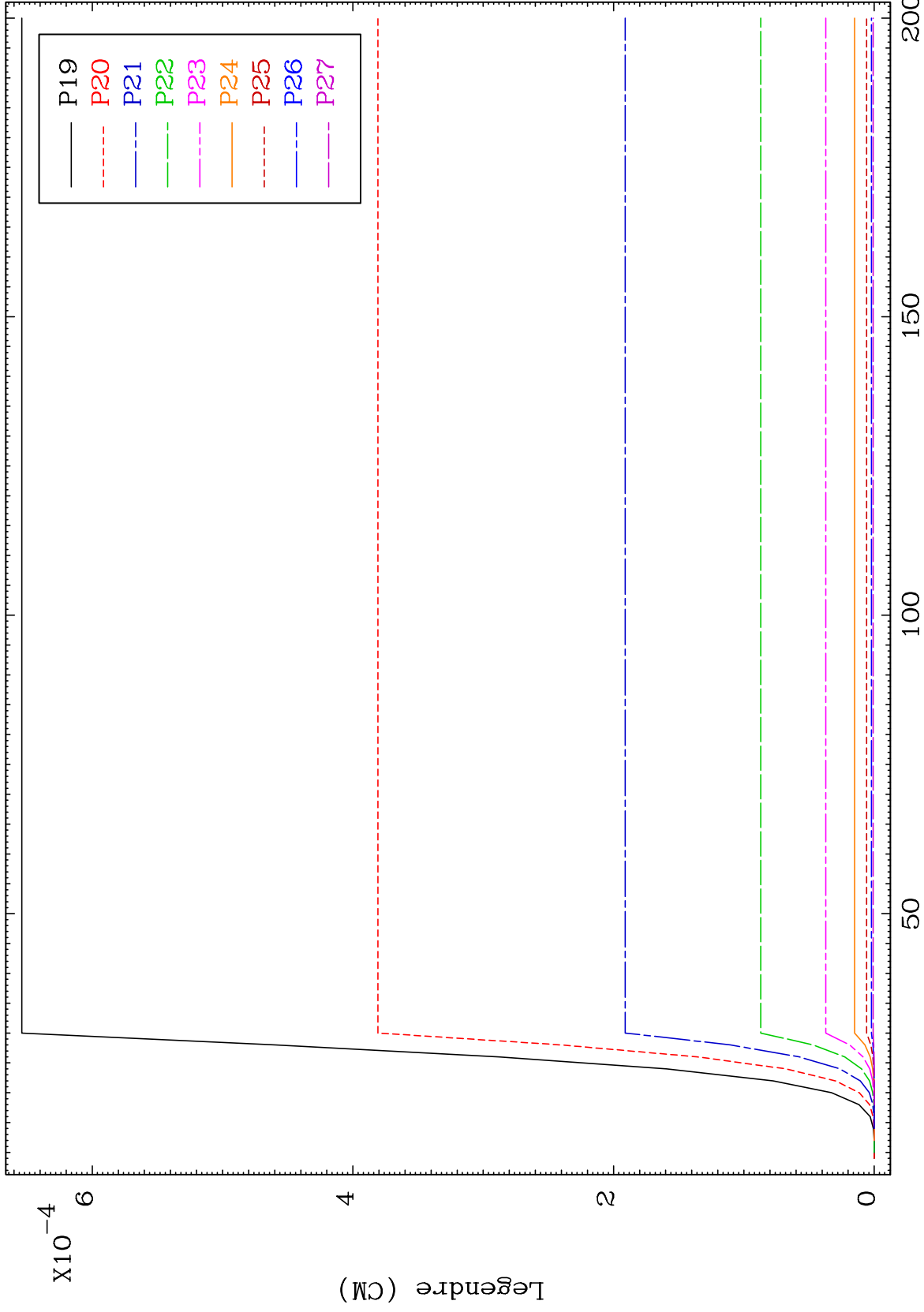
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



66

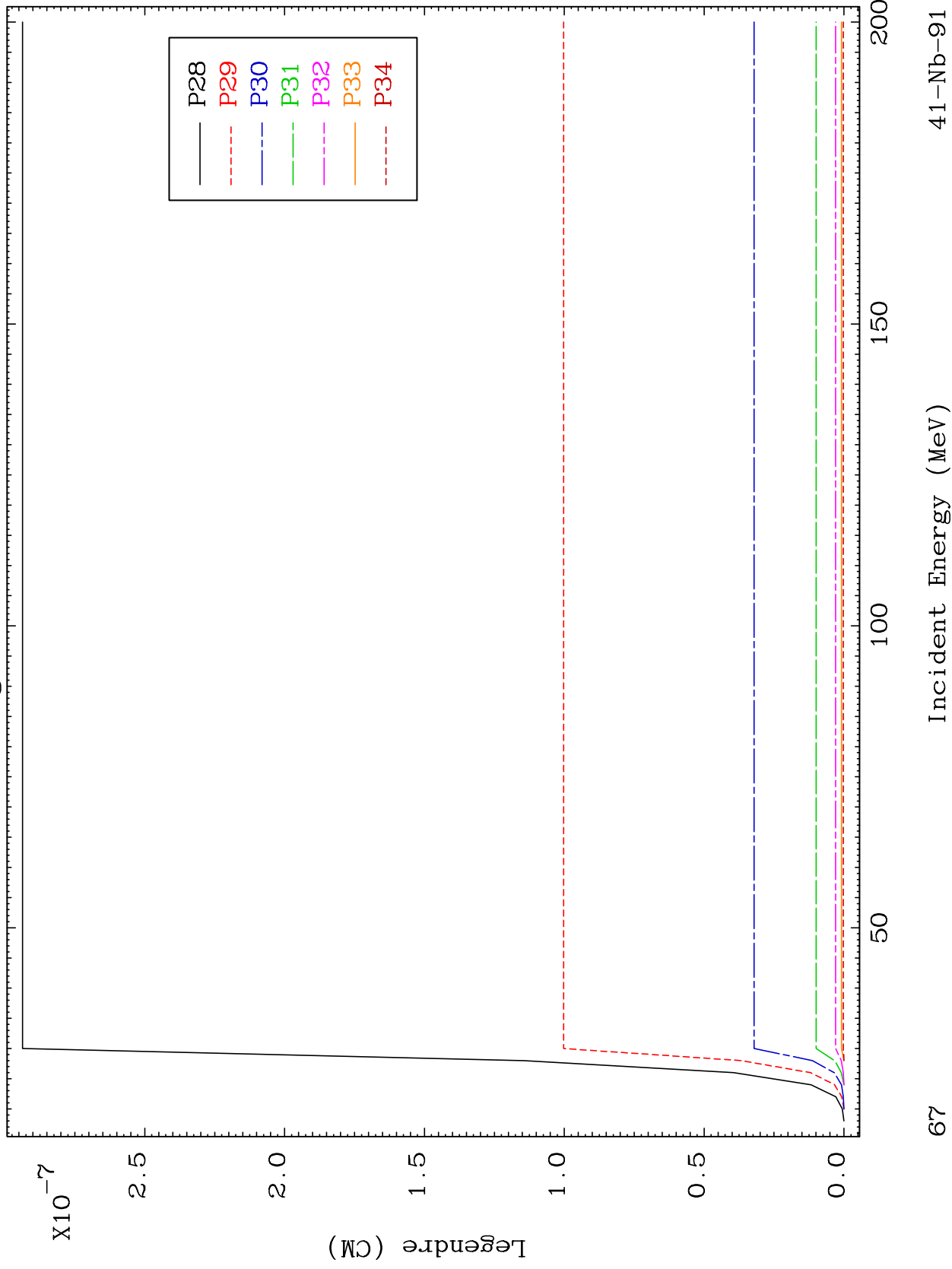
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



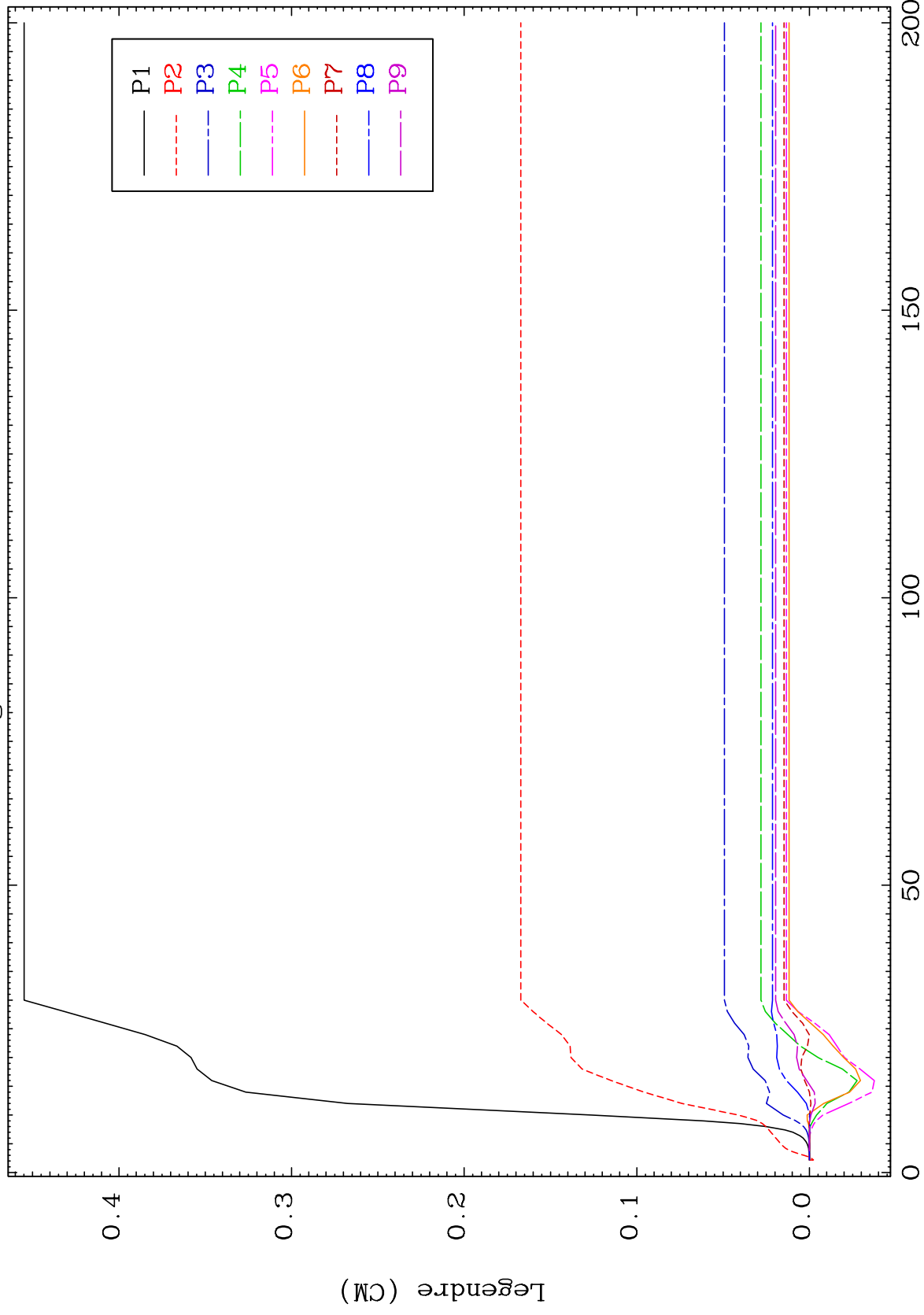
67

41-Nb-91

MAT 4119

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

41-Nb-91



68

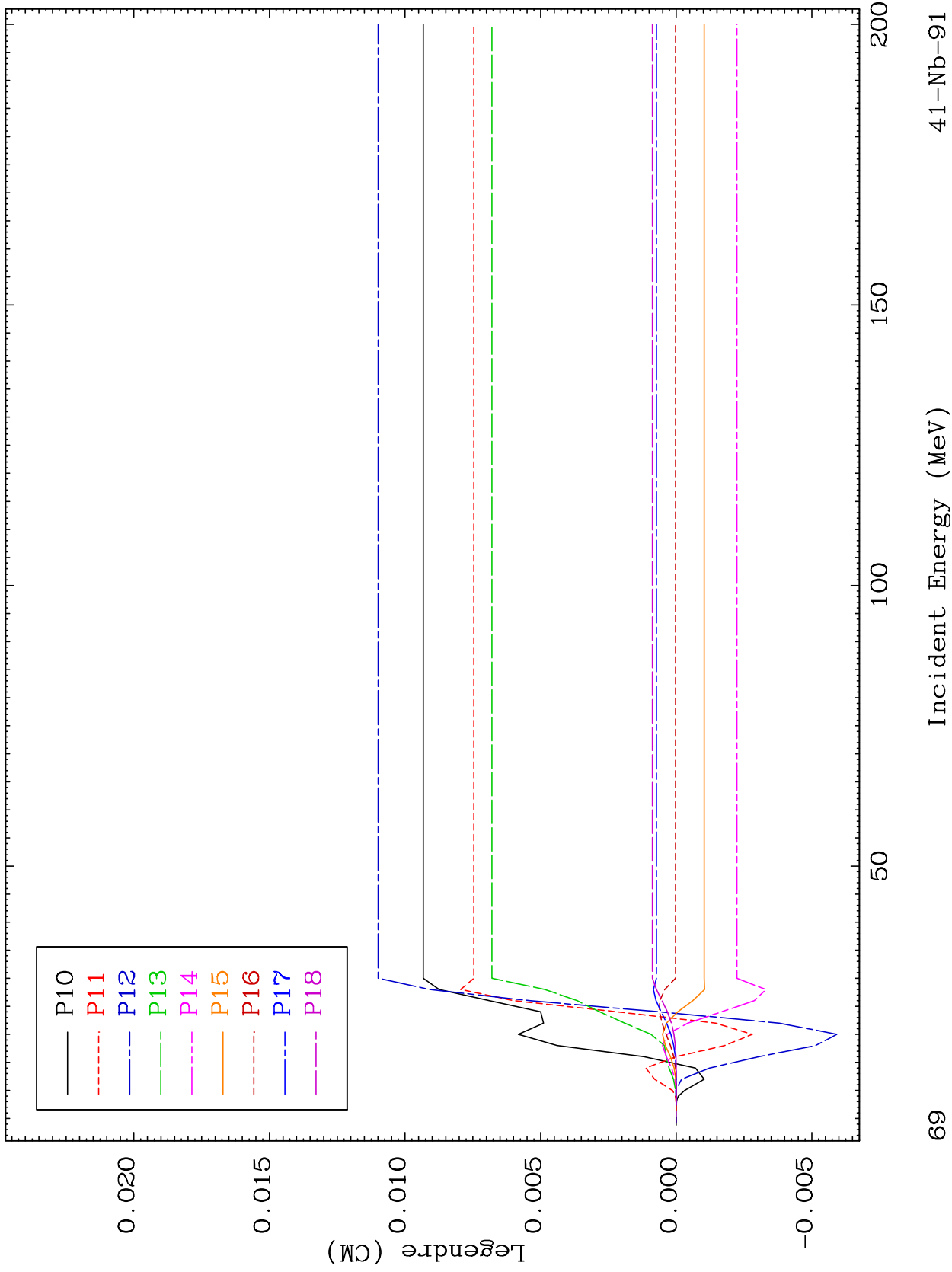
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



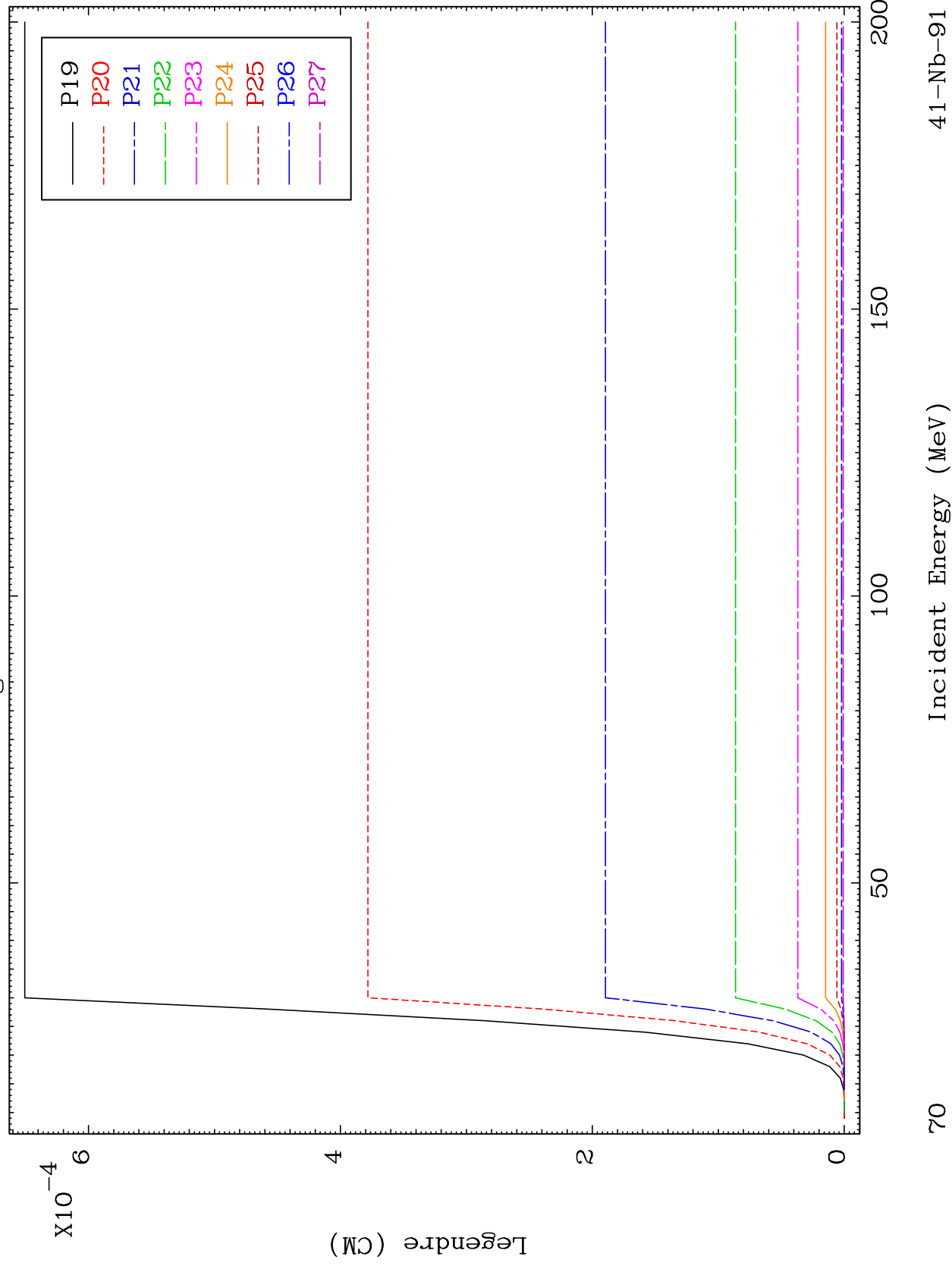
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41-Nb-91

MAT 4119

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

41-Nb-91



70

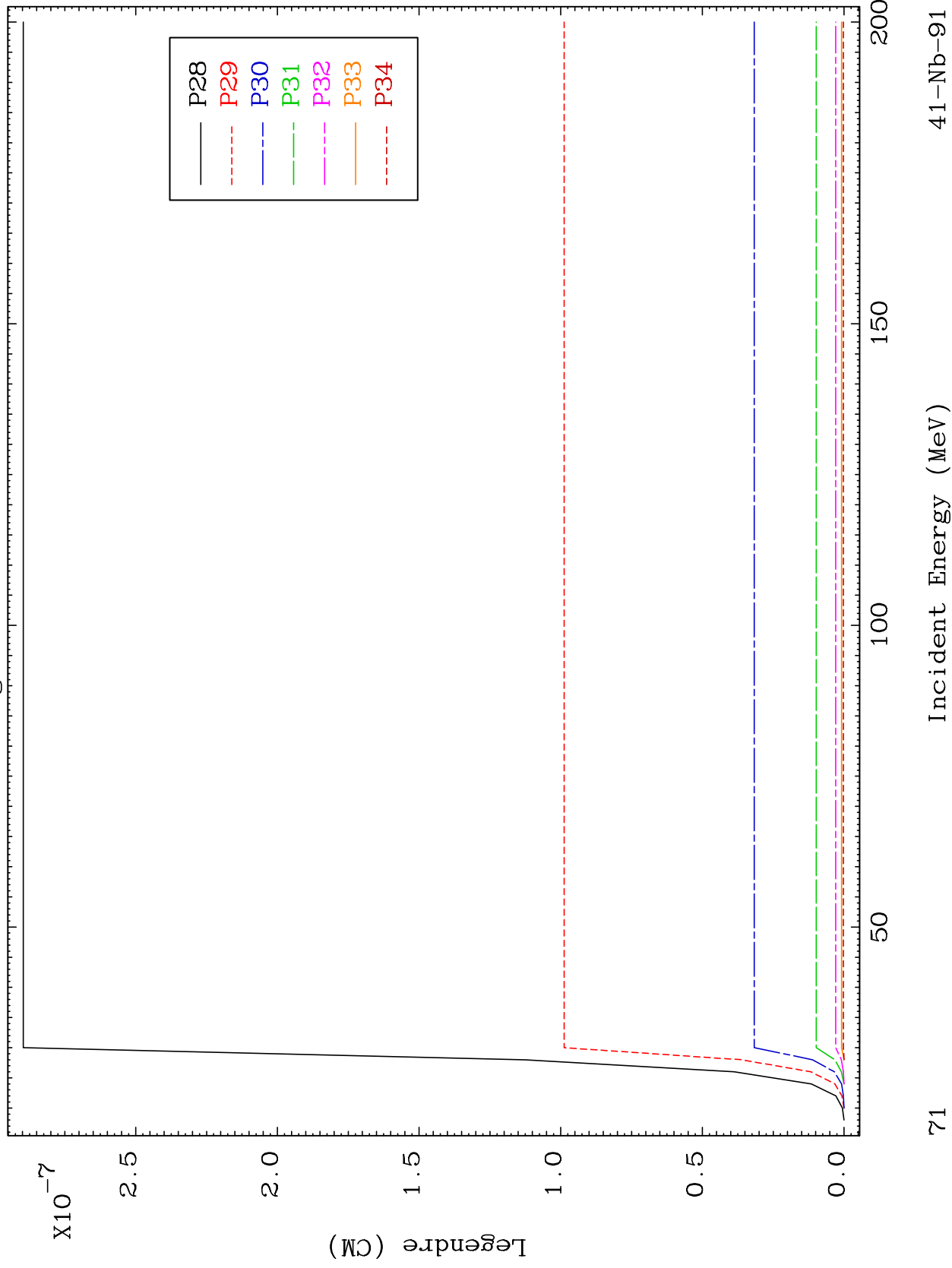
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

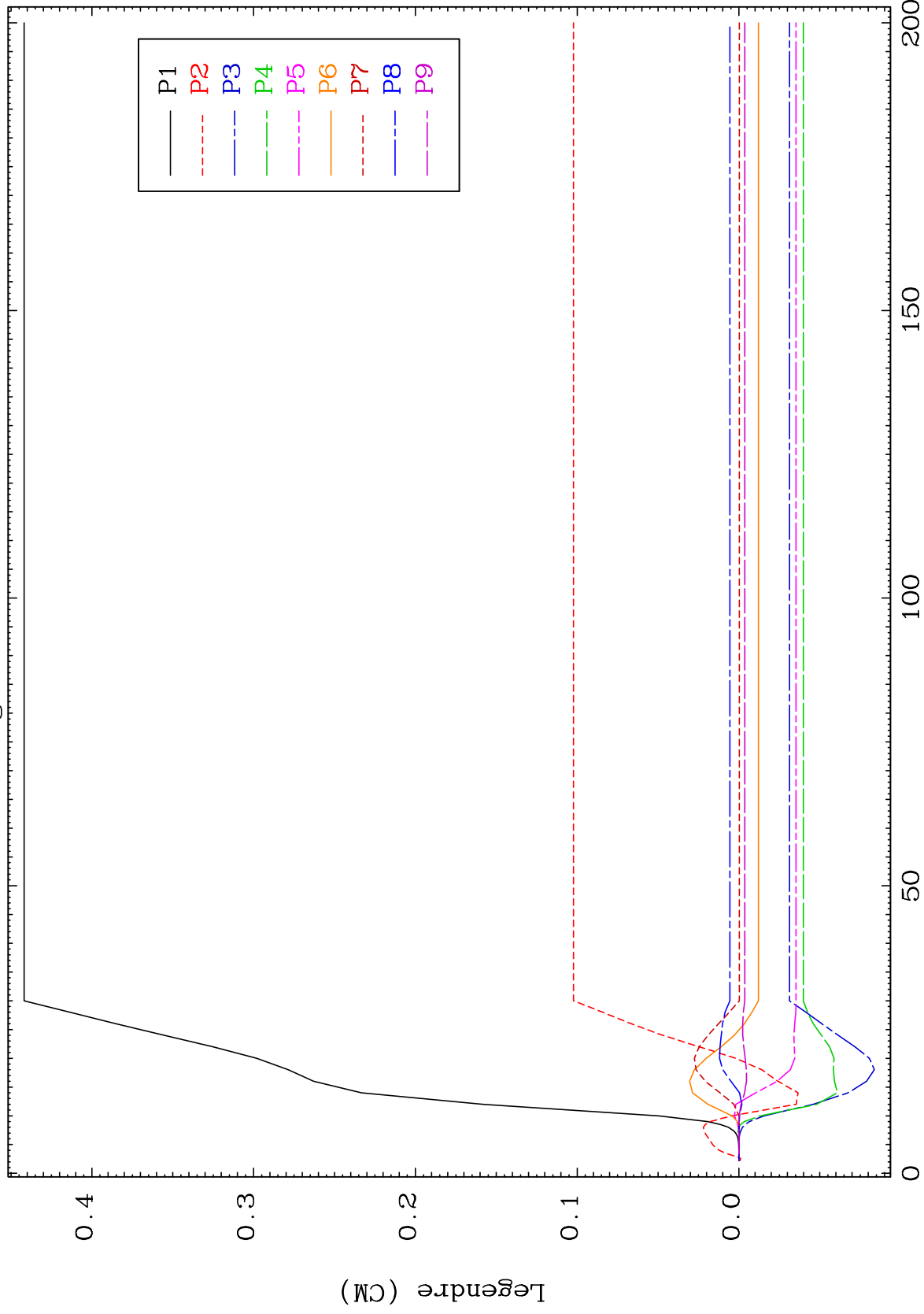
41-Nb-91



MAT 4119

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

41-Nb-91



72

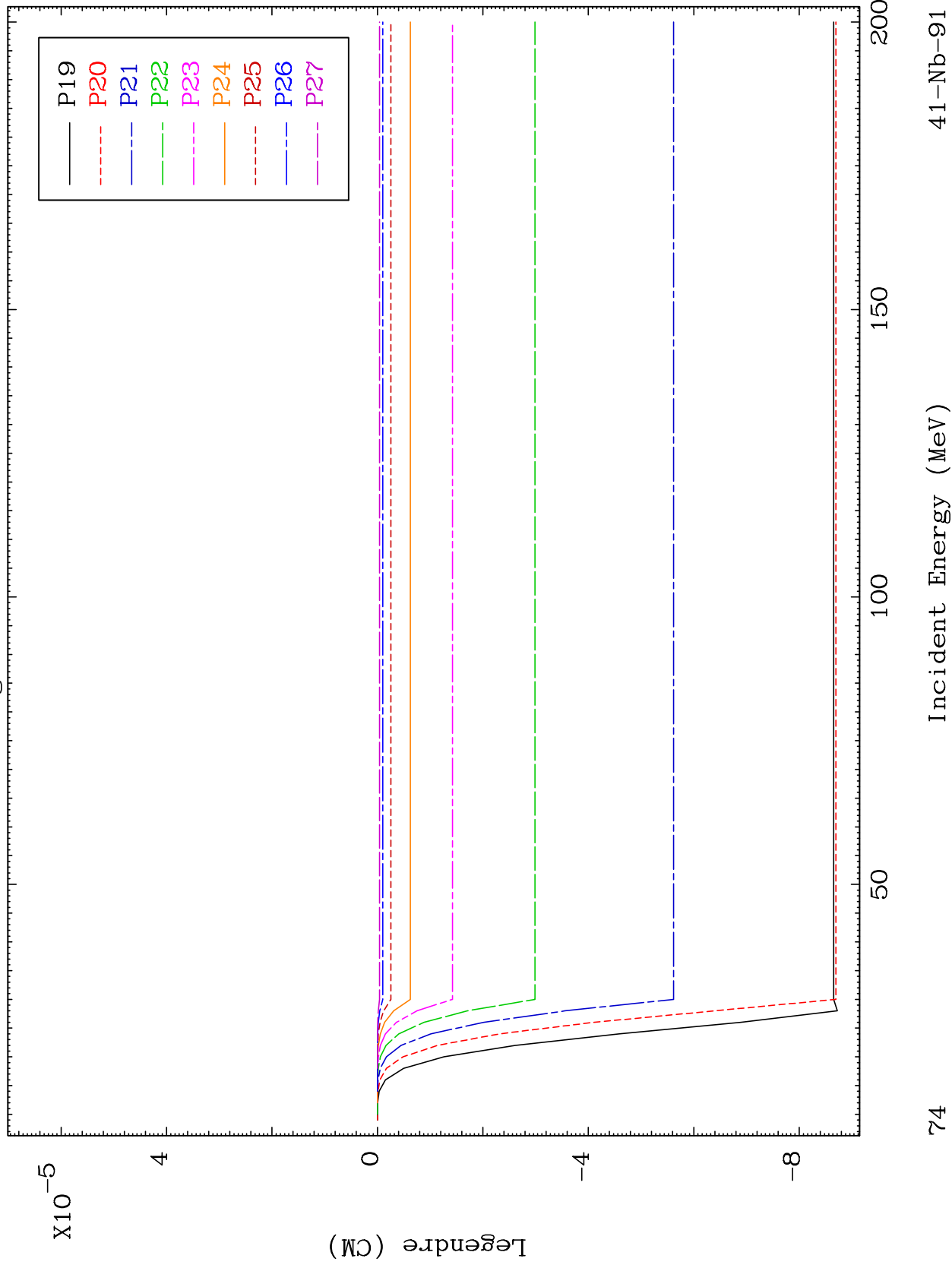
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91

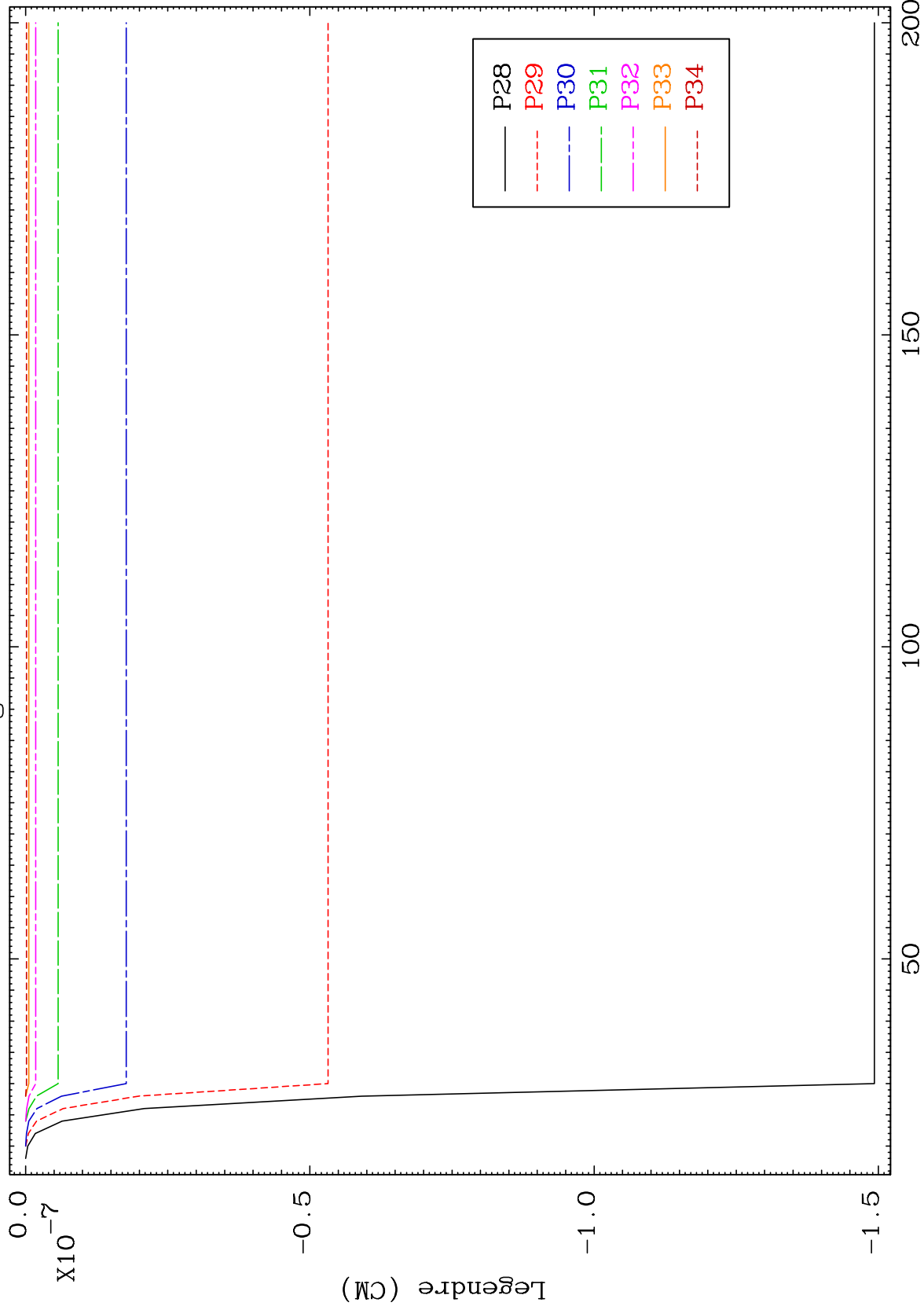


MAT 4119

MT= 66 (n,n') Level

41-Nb-91

Legendre Coefficients



75

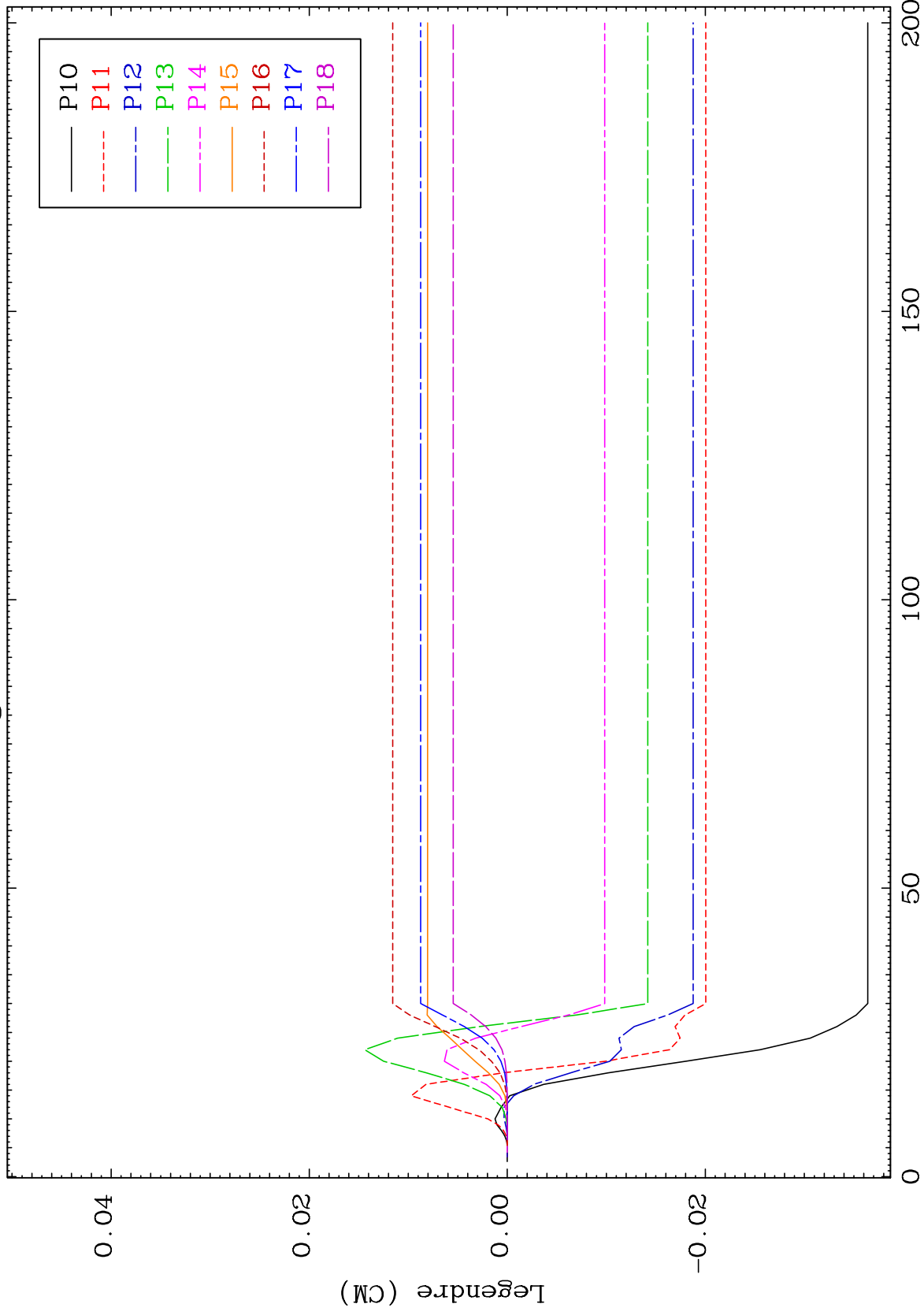
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



77

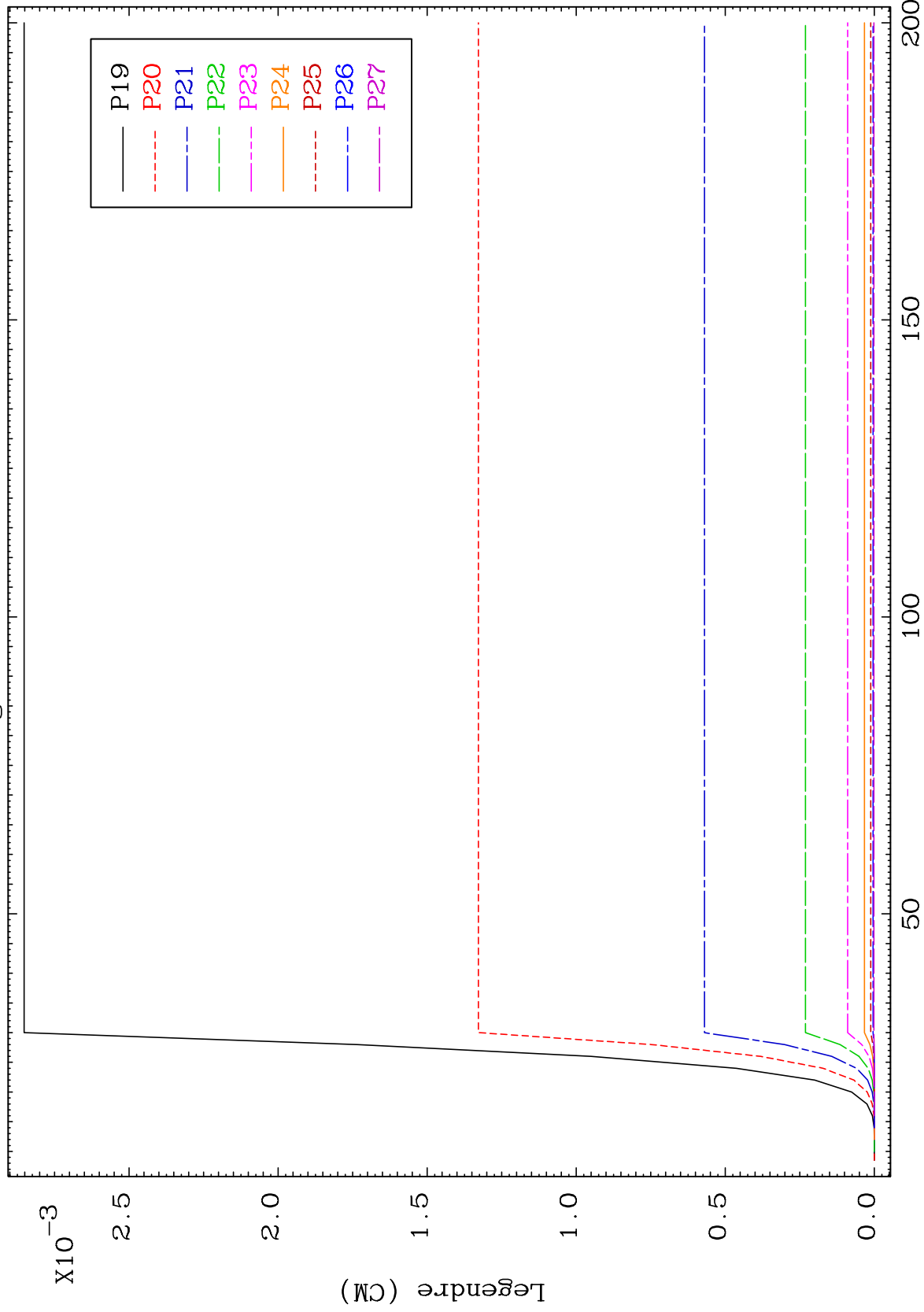
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



78

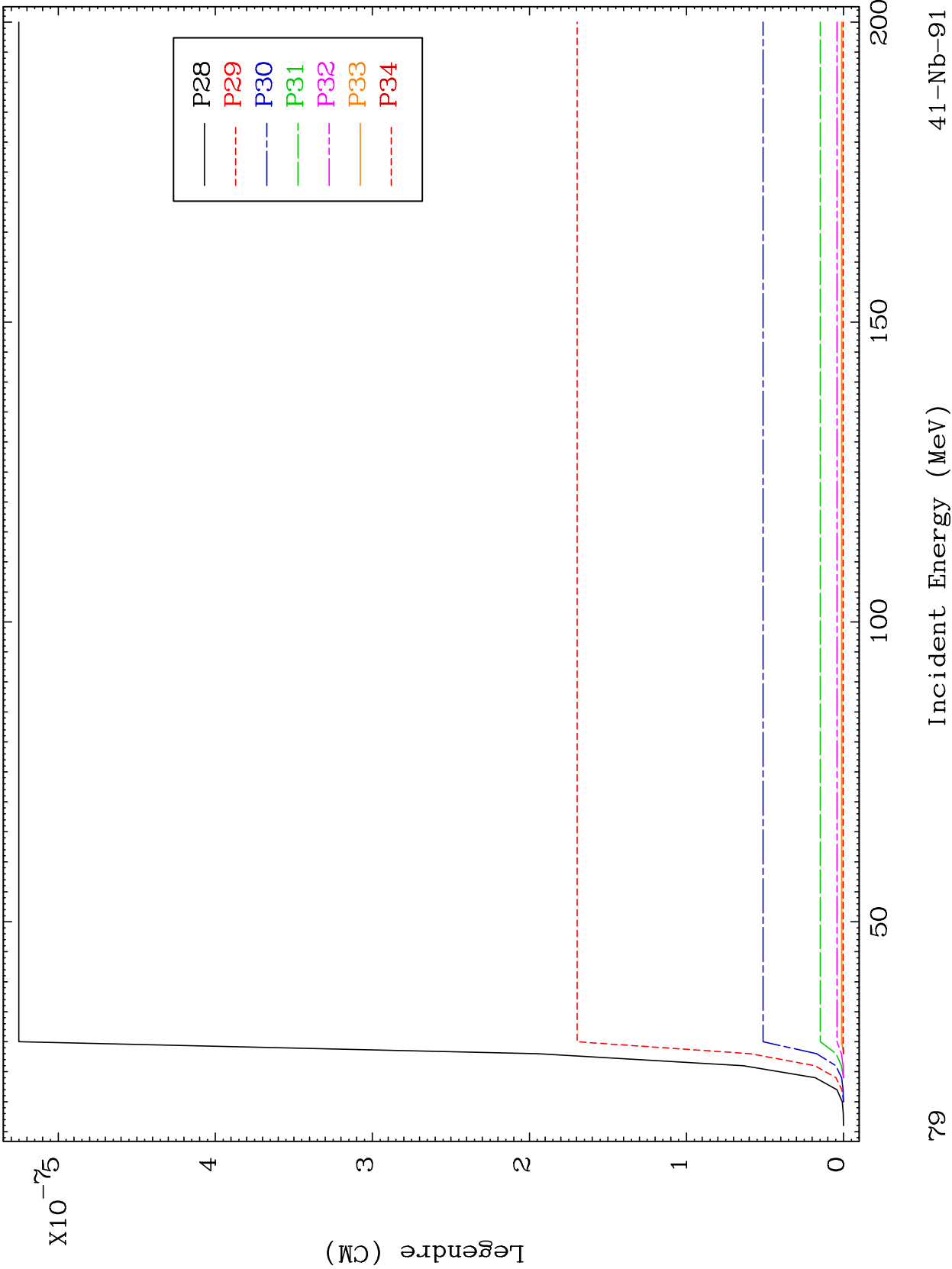
Incident Energy (MeV)

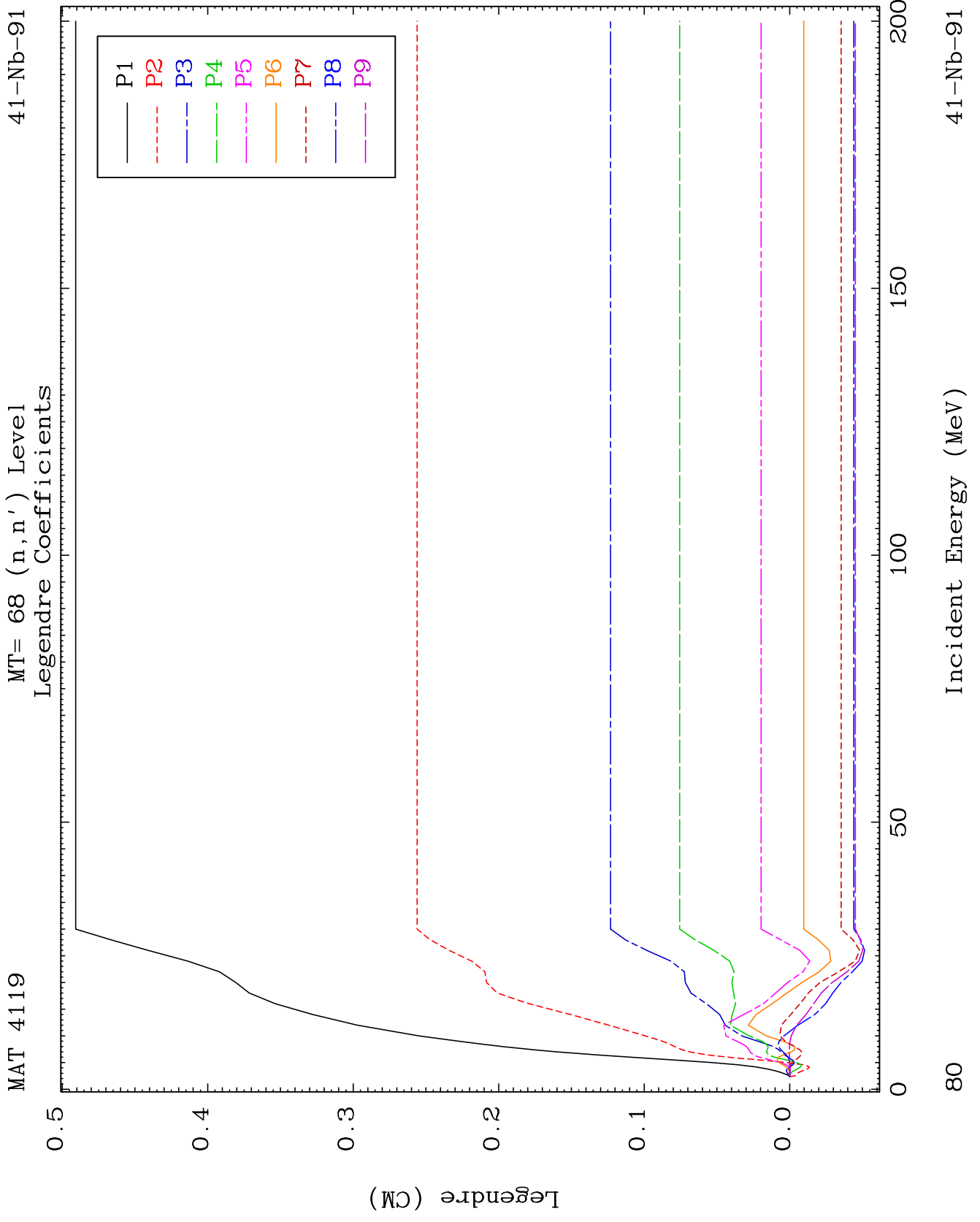
41-Nb-91

MAT 4119

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

41-Nb-91

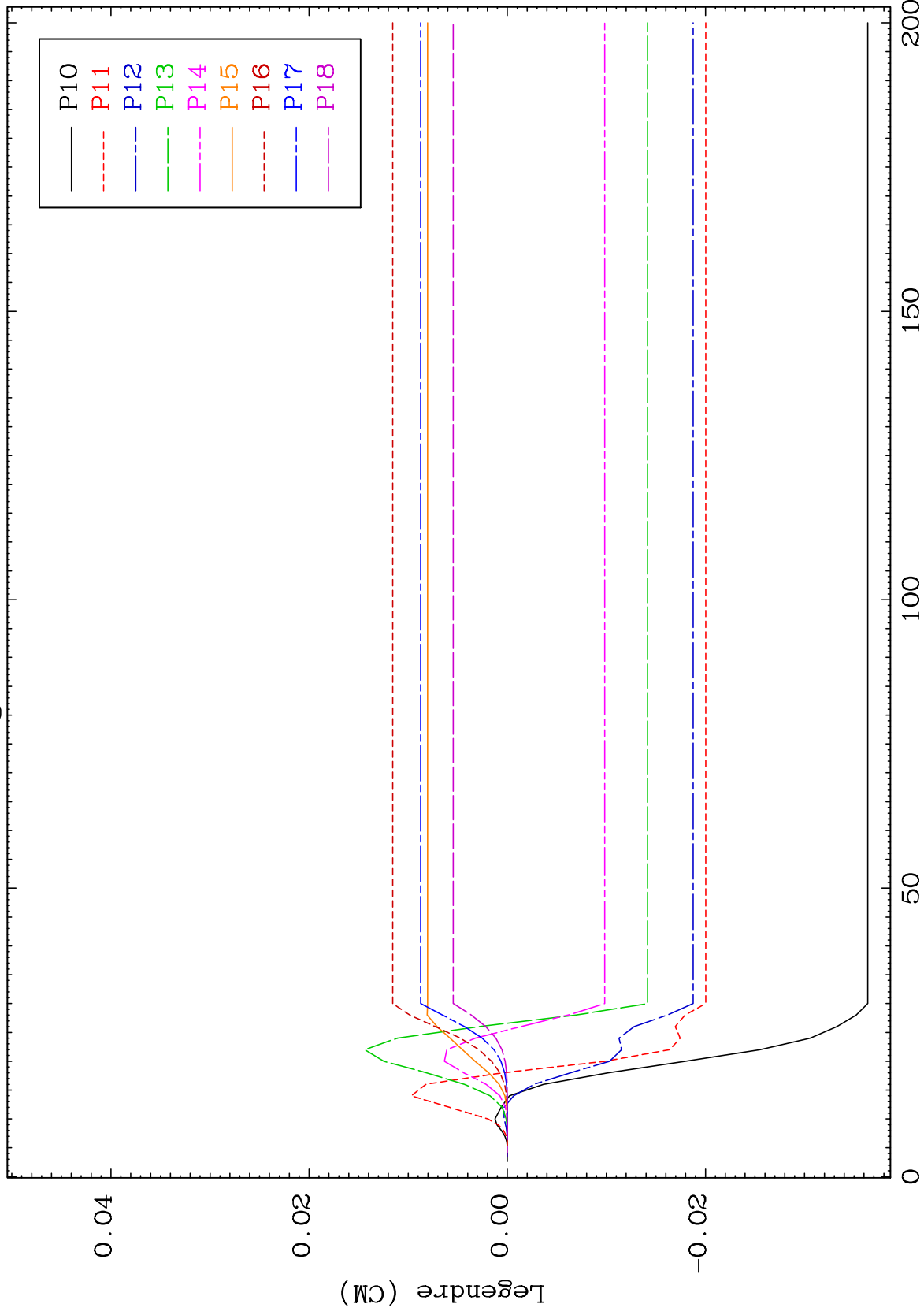




MAT 4119

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

41-Nb-91



81

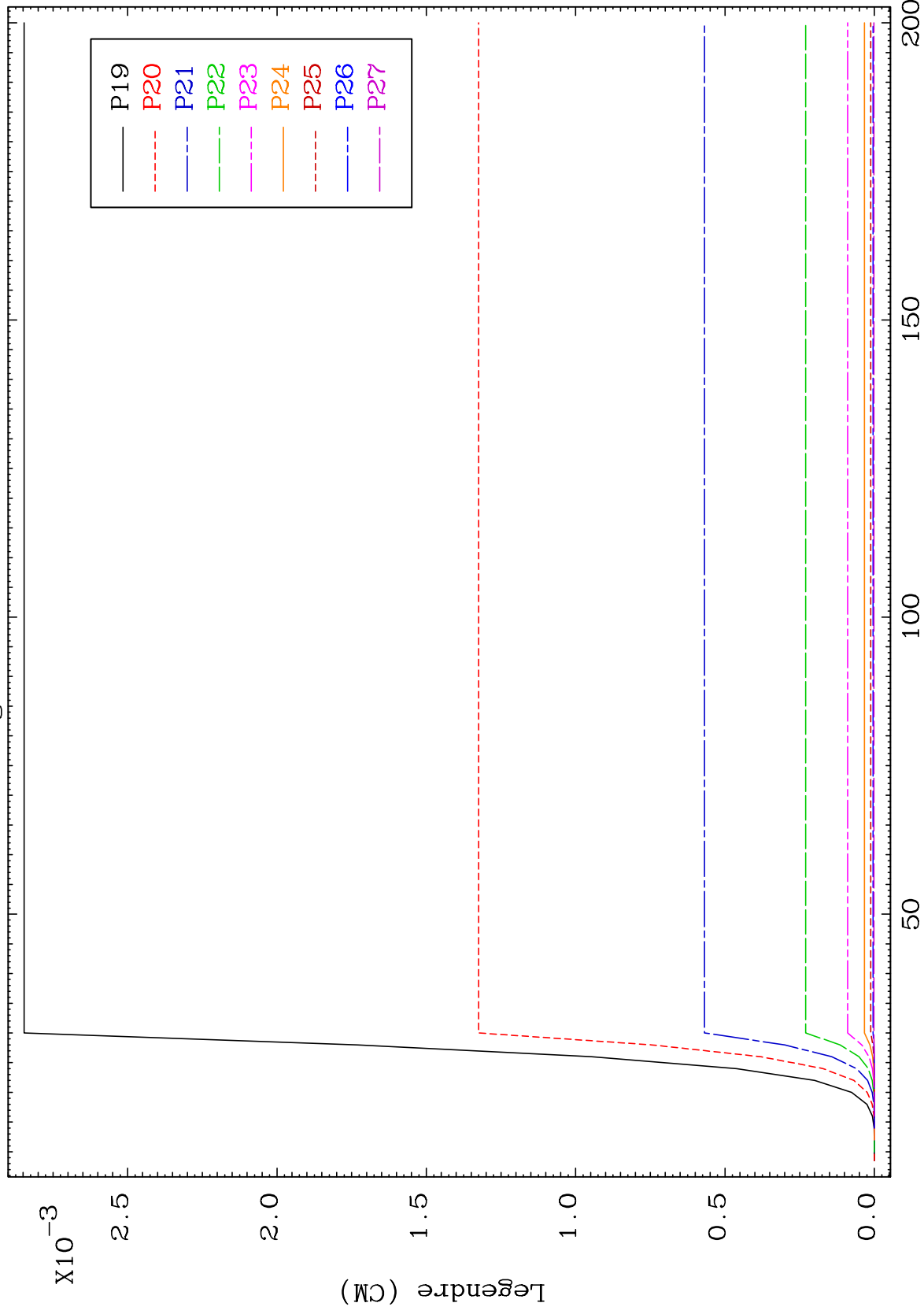
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



82

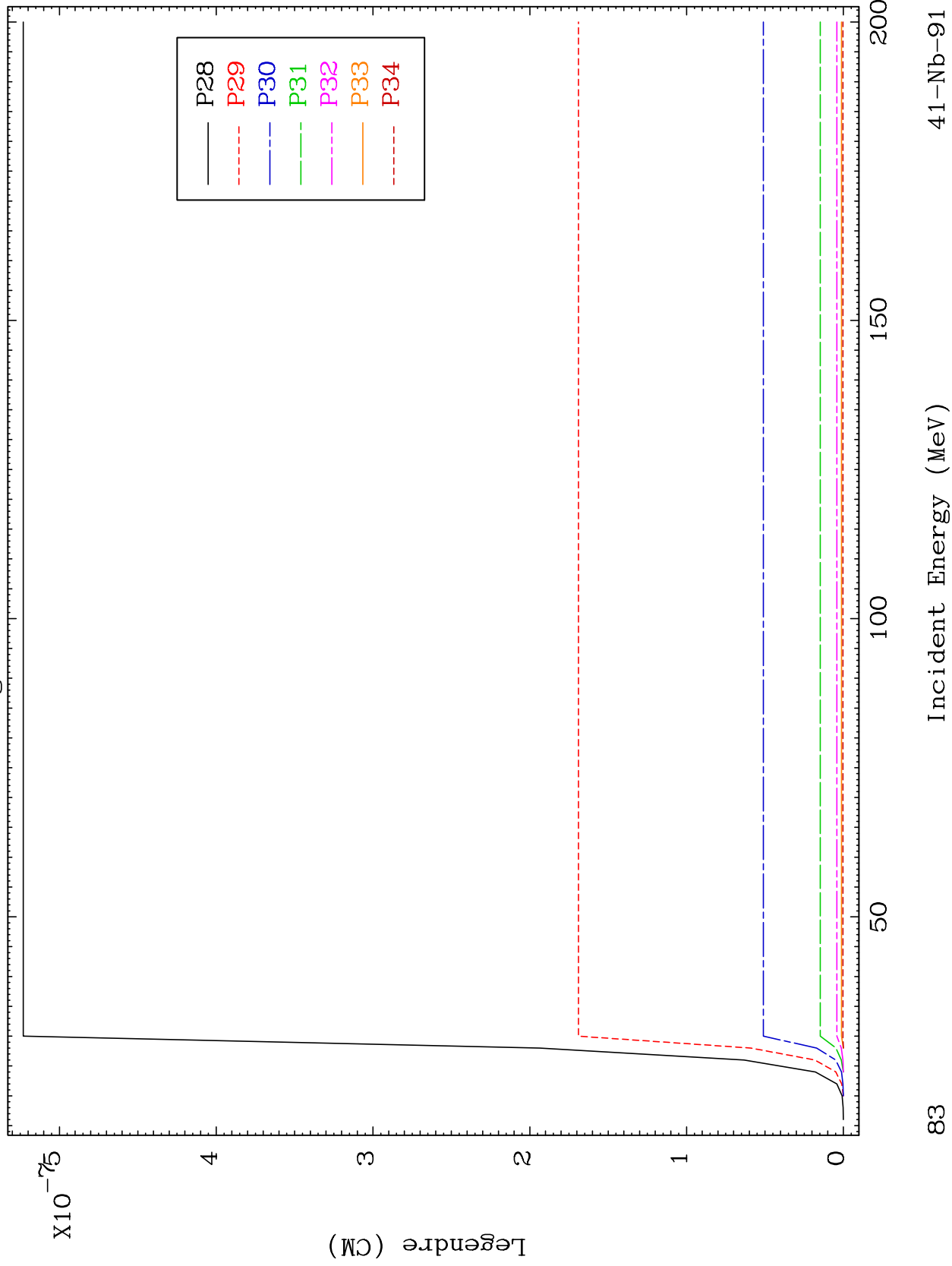
Incident Energy (MeV)

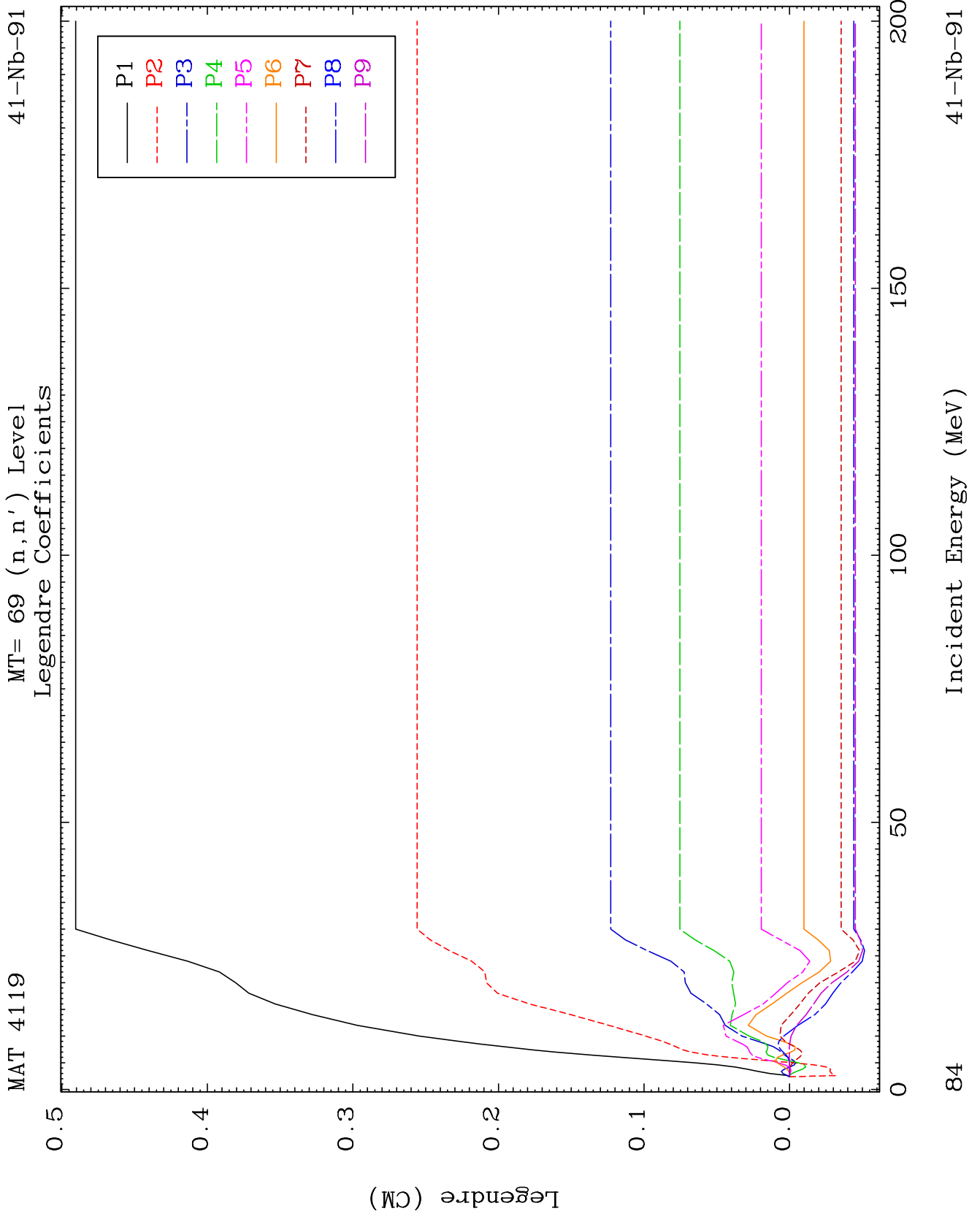
41-Nb-91

MAT 4119

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

41-Nb-91

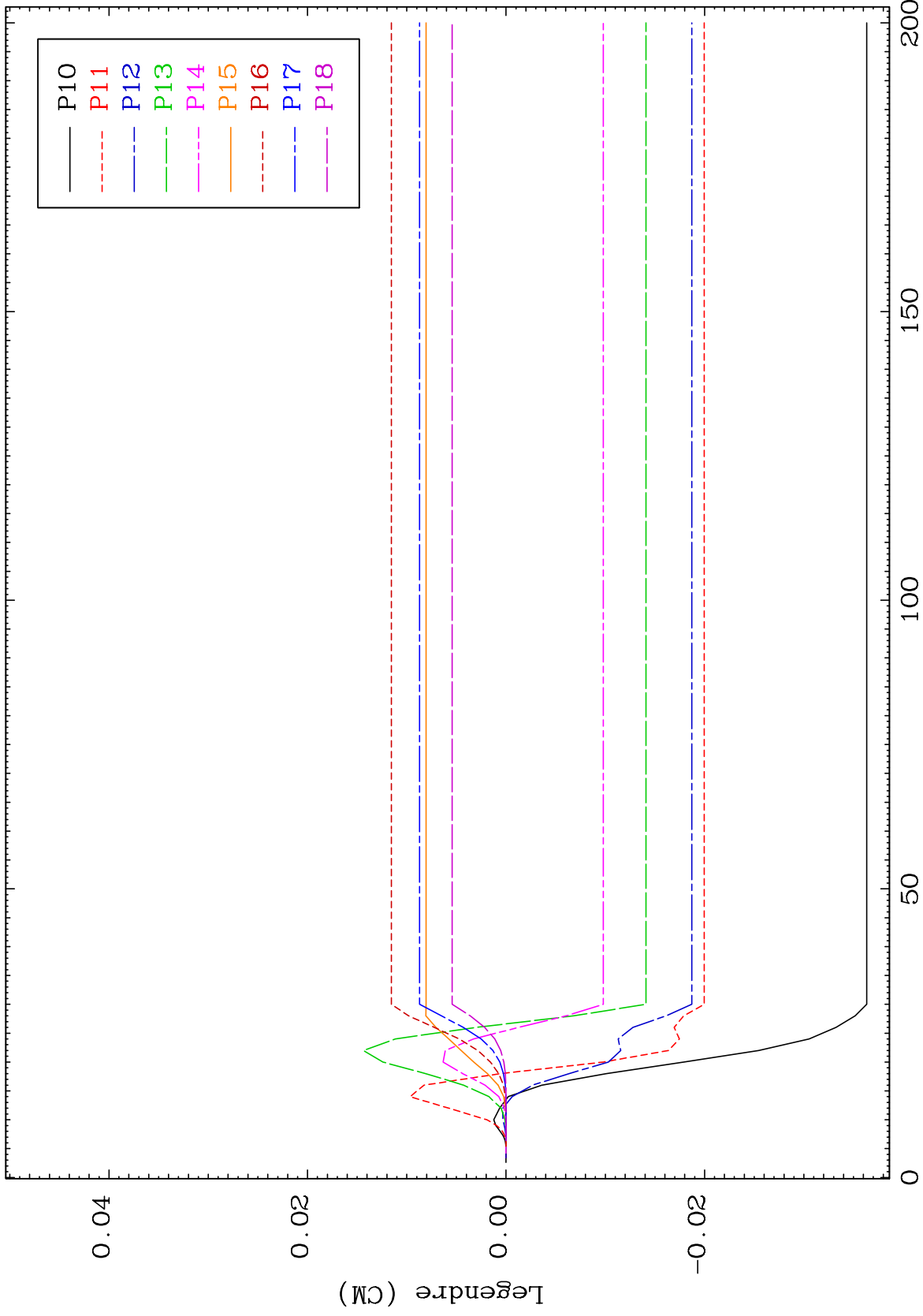




MAT 4119

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

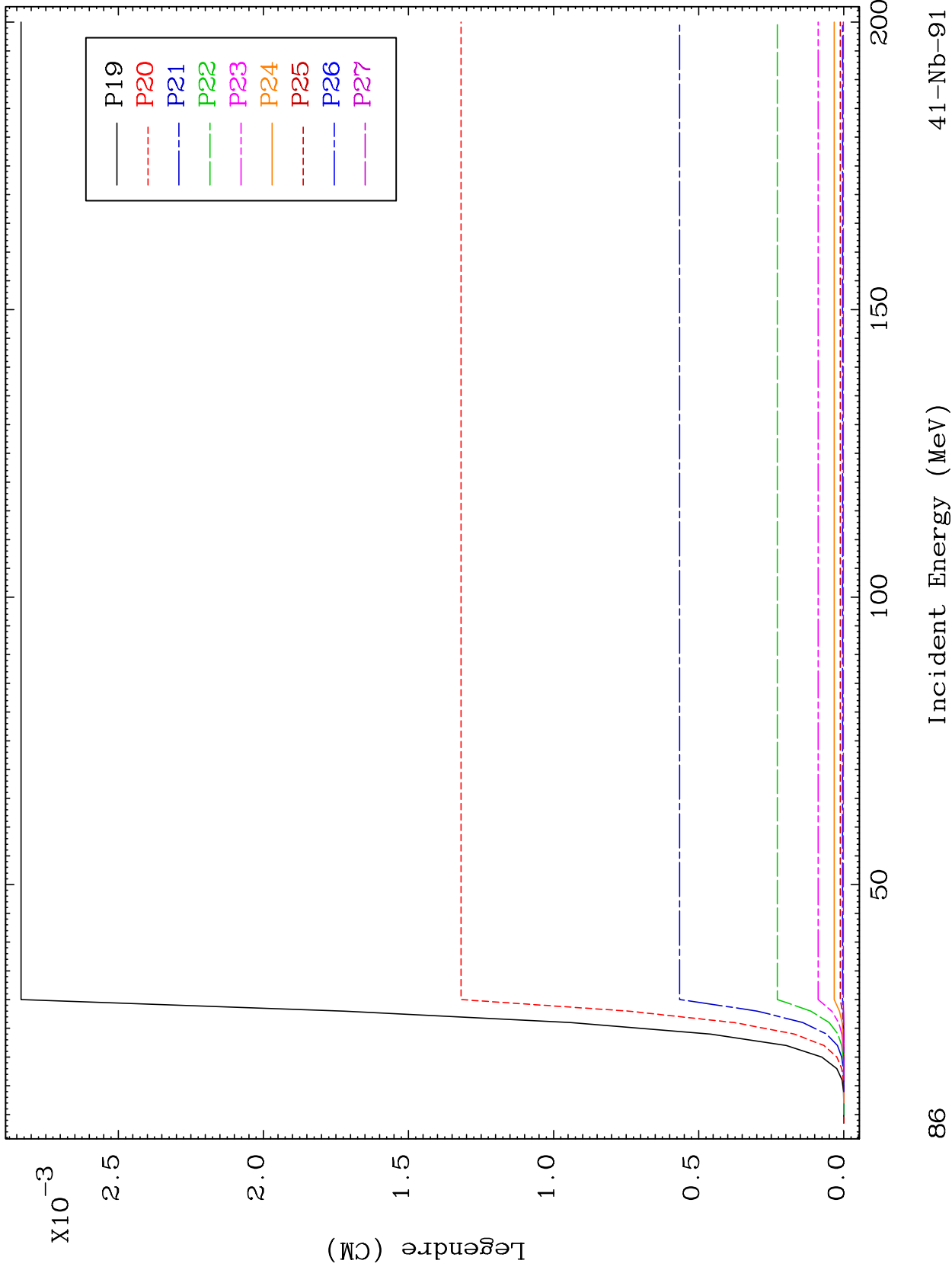
41-Nb-91



85

Incident Energy (MeV)

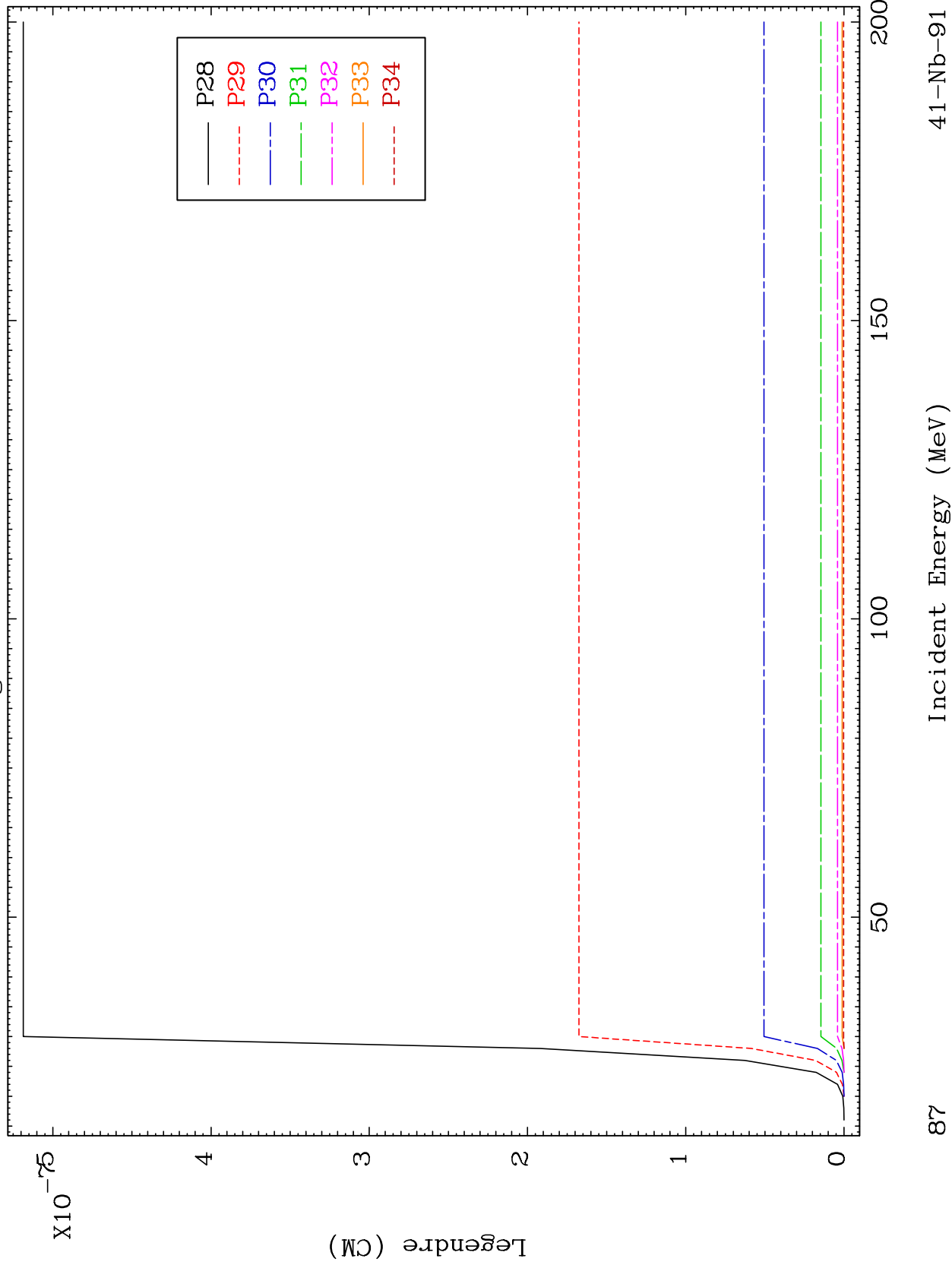
41-Nb-91

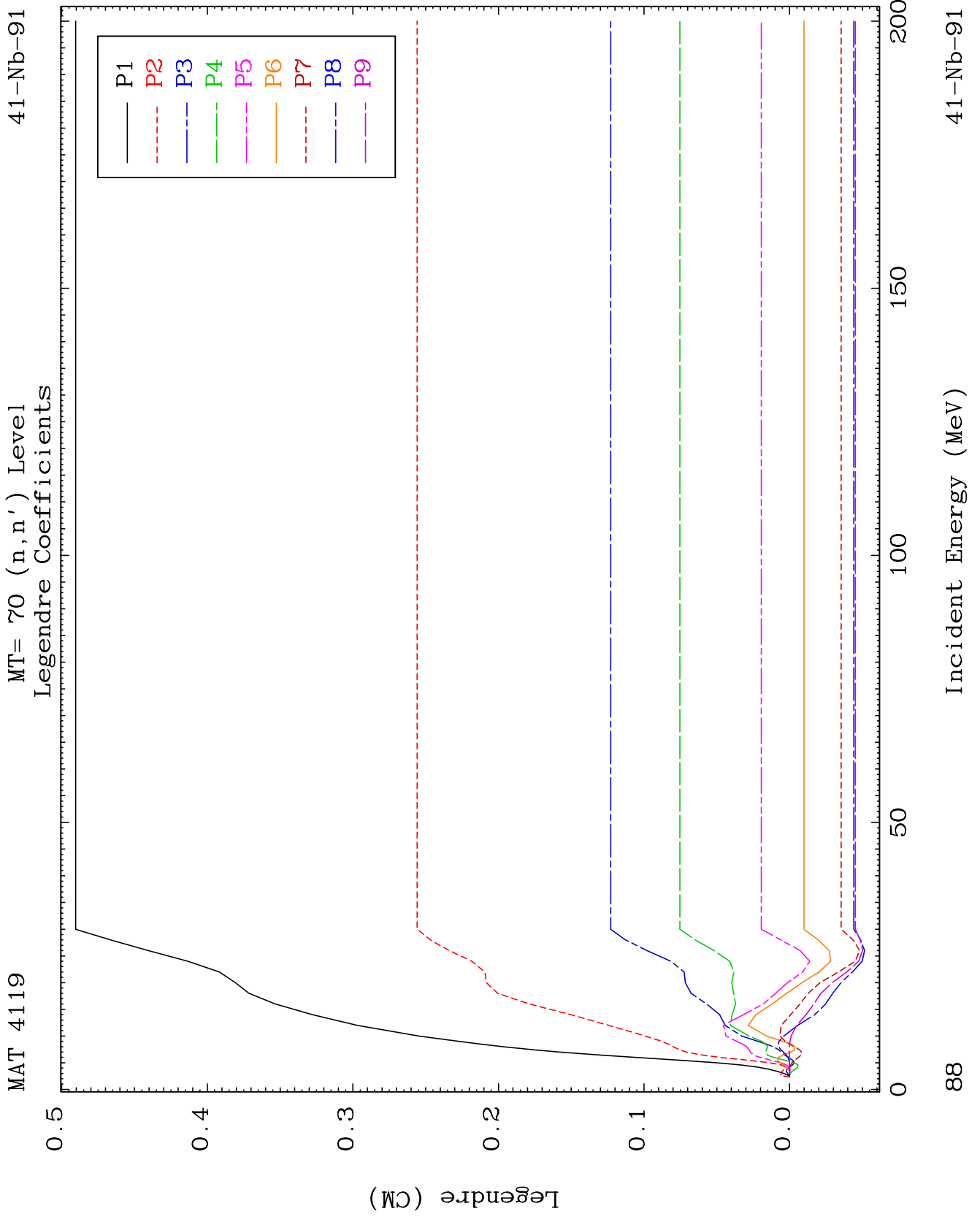


MAT 4119

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

41-Nb-91

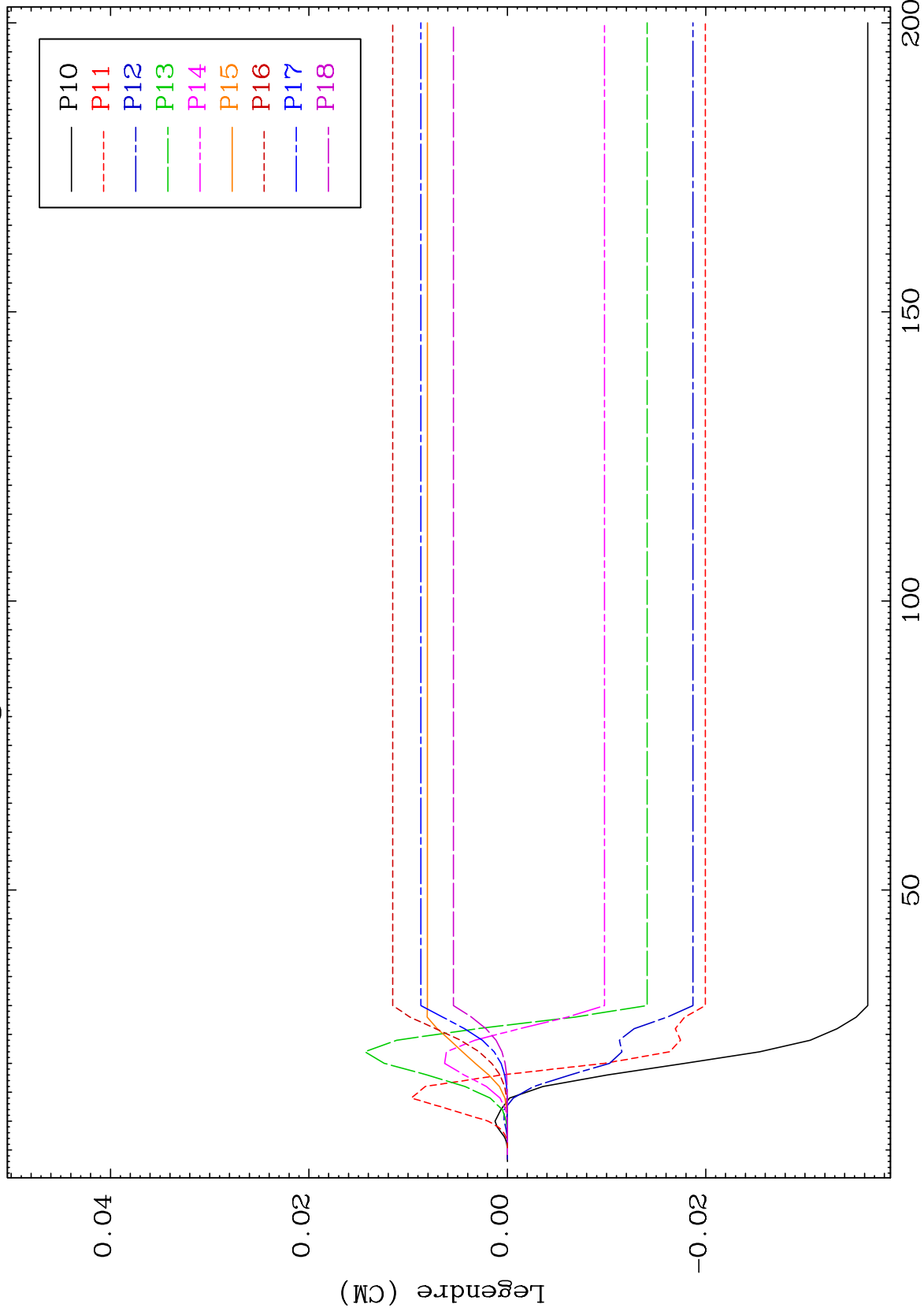




MAT 4119

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

41-Nb-91



89

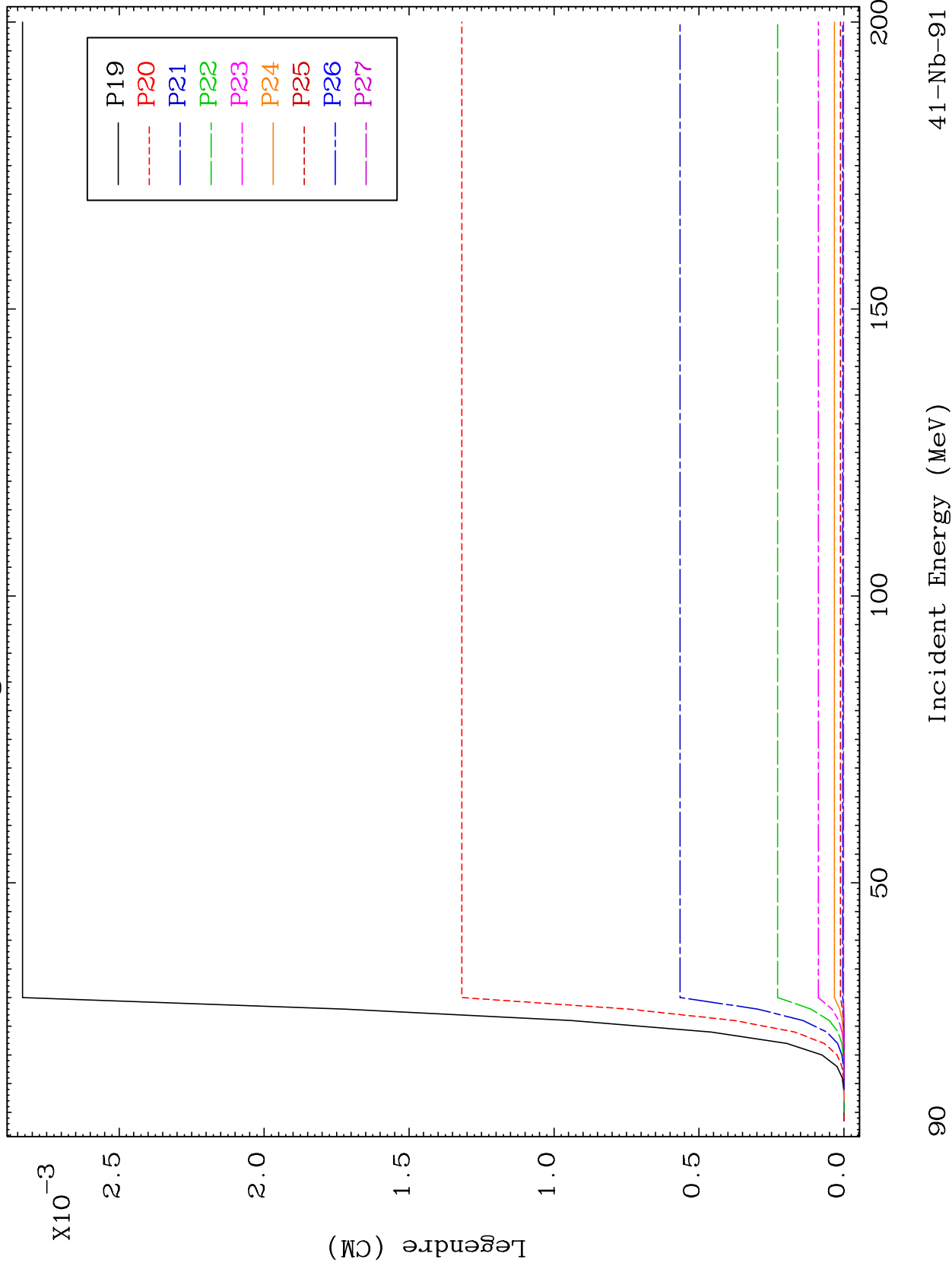
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

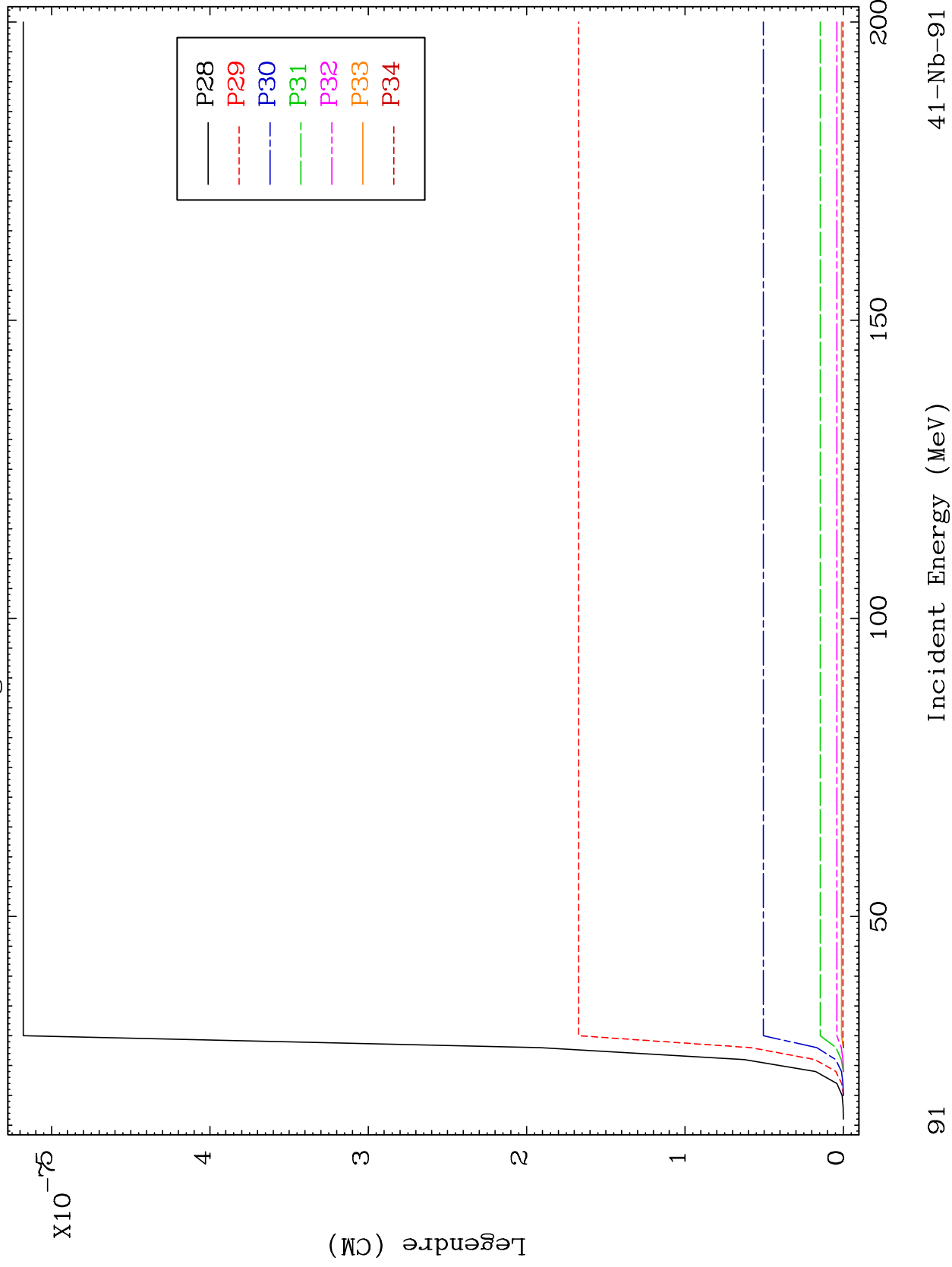
41-Nb-91



MAT 4119

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

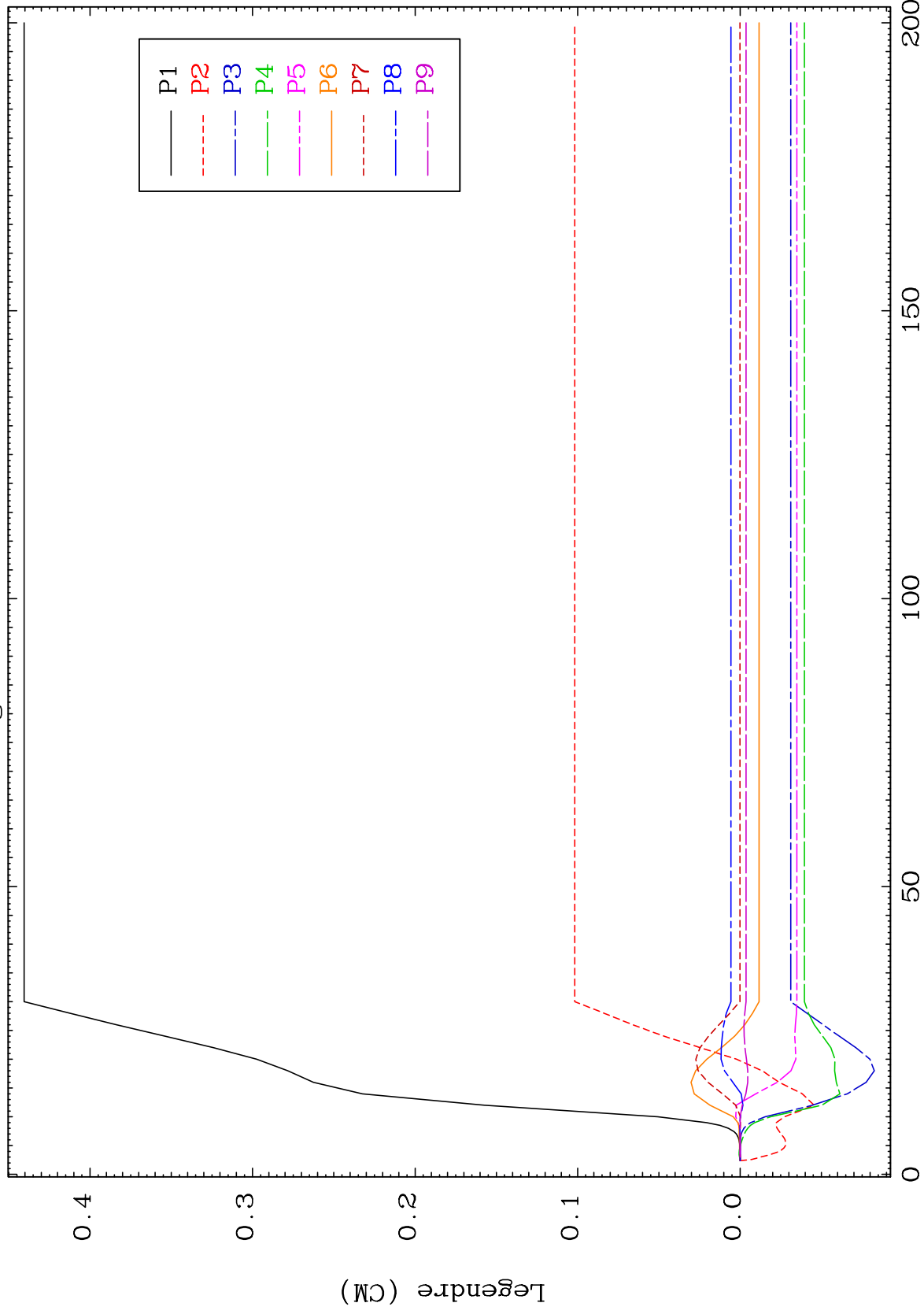
41-Nb-91



MAT 4119

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

41-Nb-91



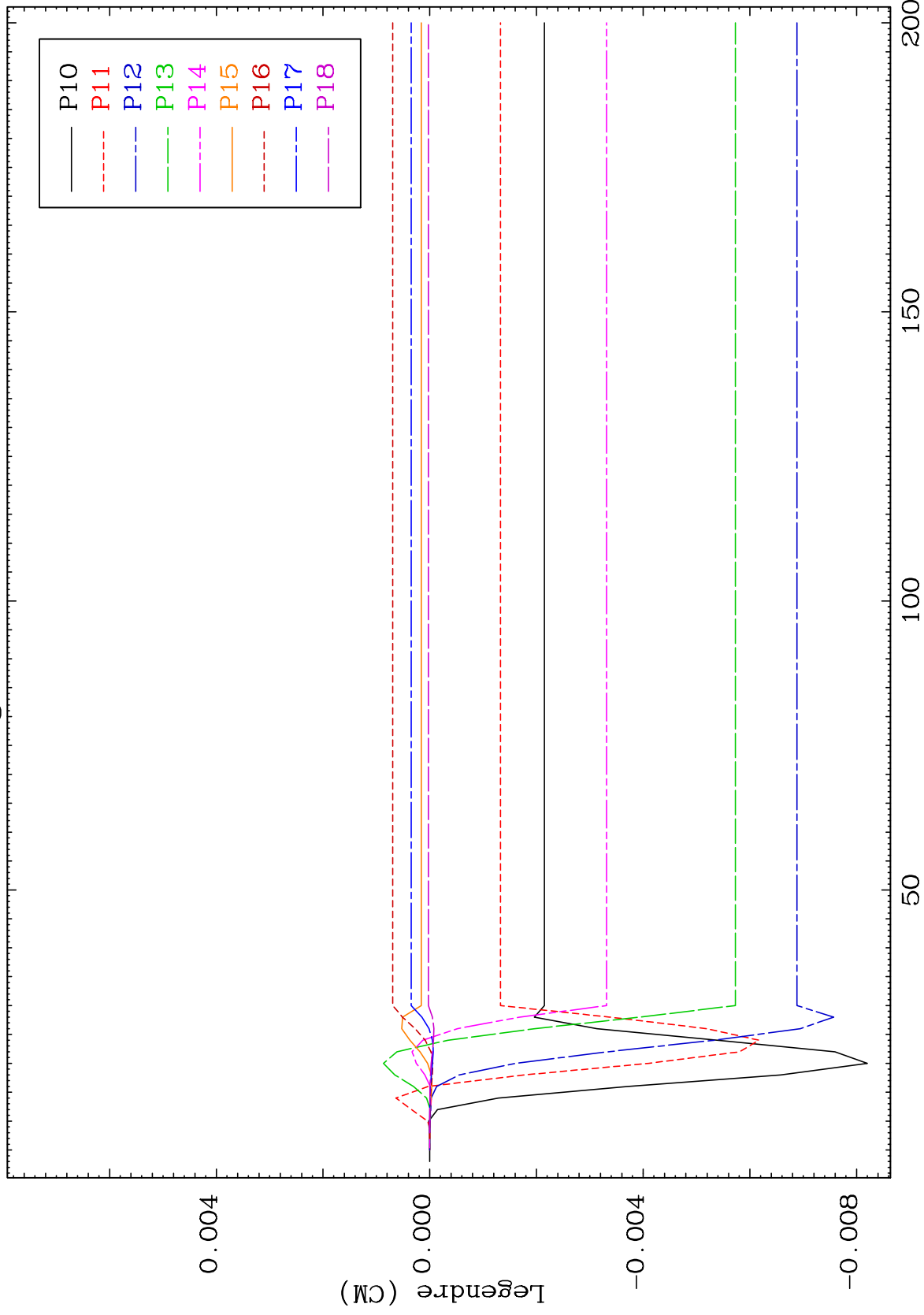
92

41-Nb-91

MAT 4119

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

41-Nb-91



93

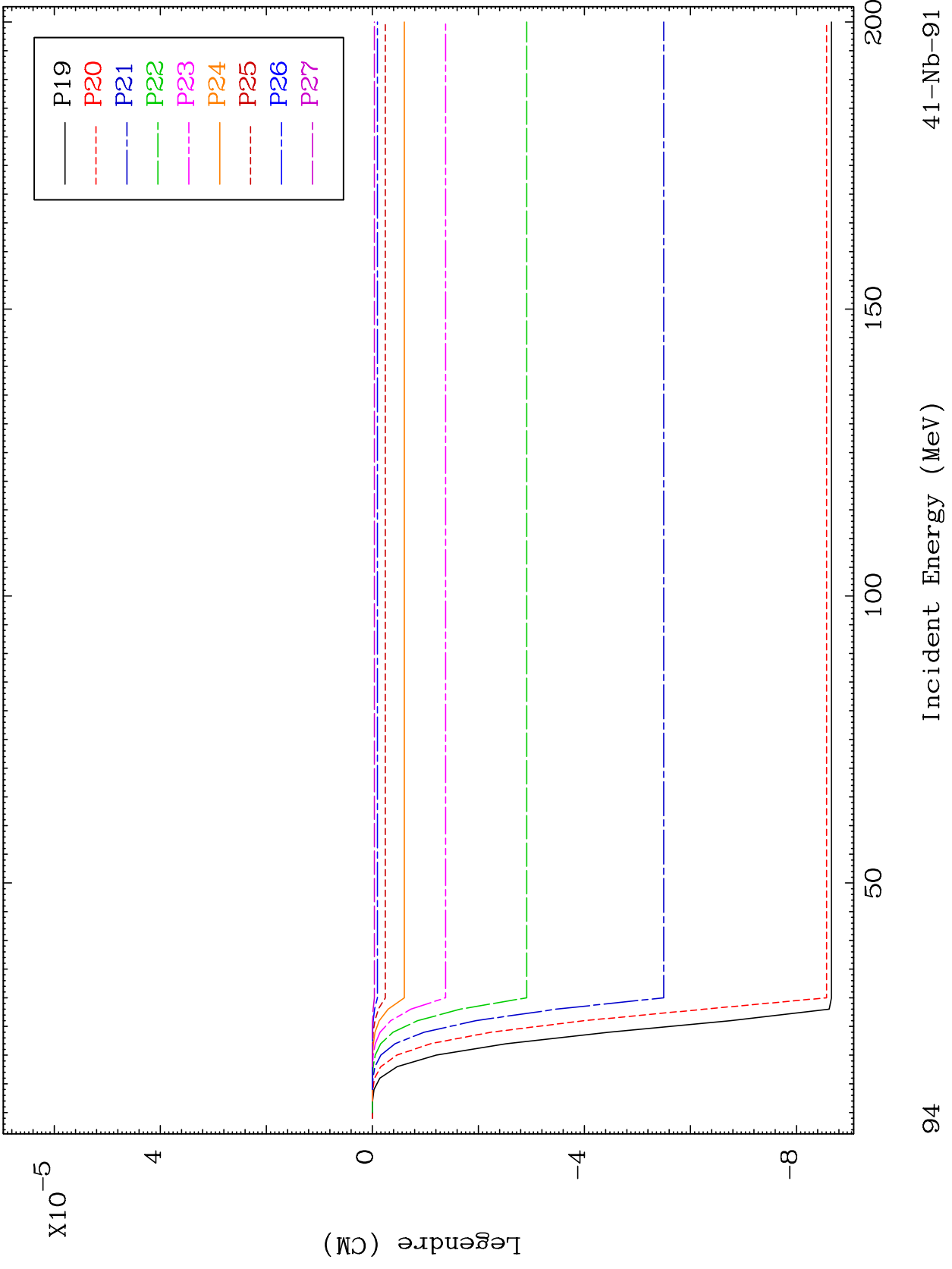
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



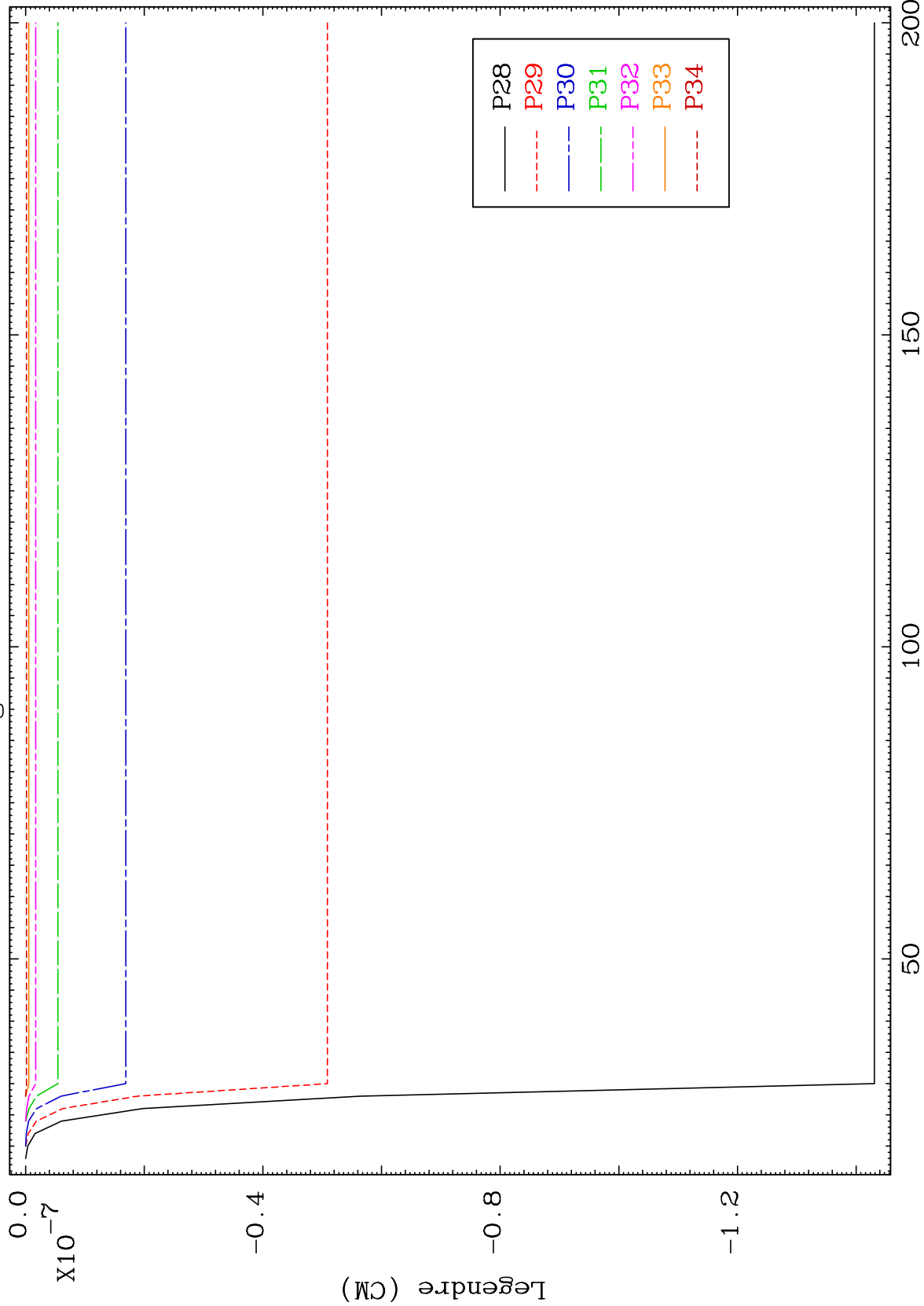
94

MAT 4119

MT= 71 (n,n') Level

41-Nb-91

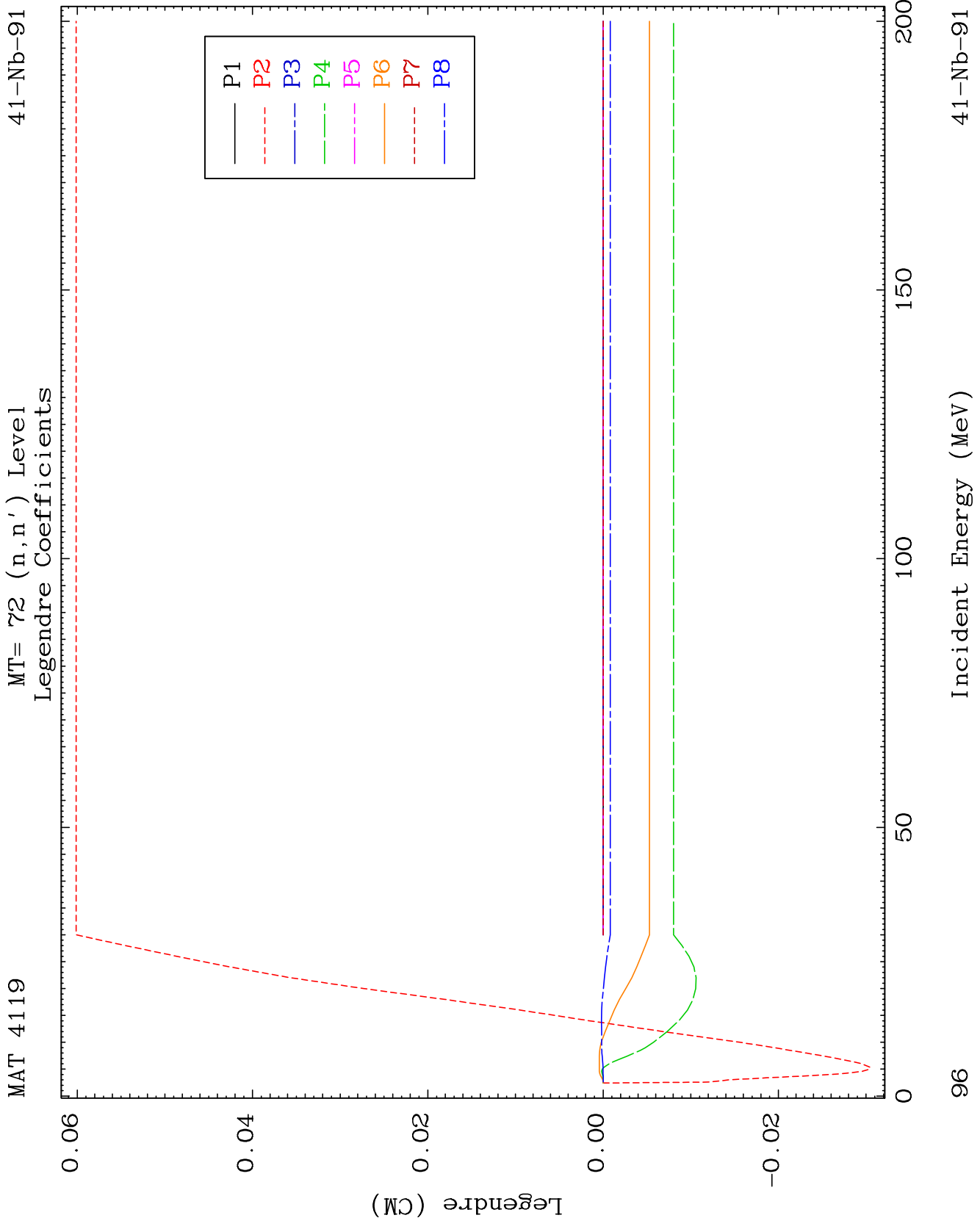
Legendre Coefficients



95

Incident Energy (MeV)

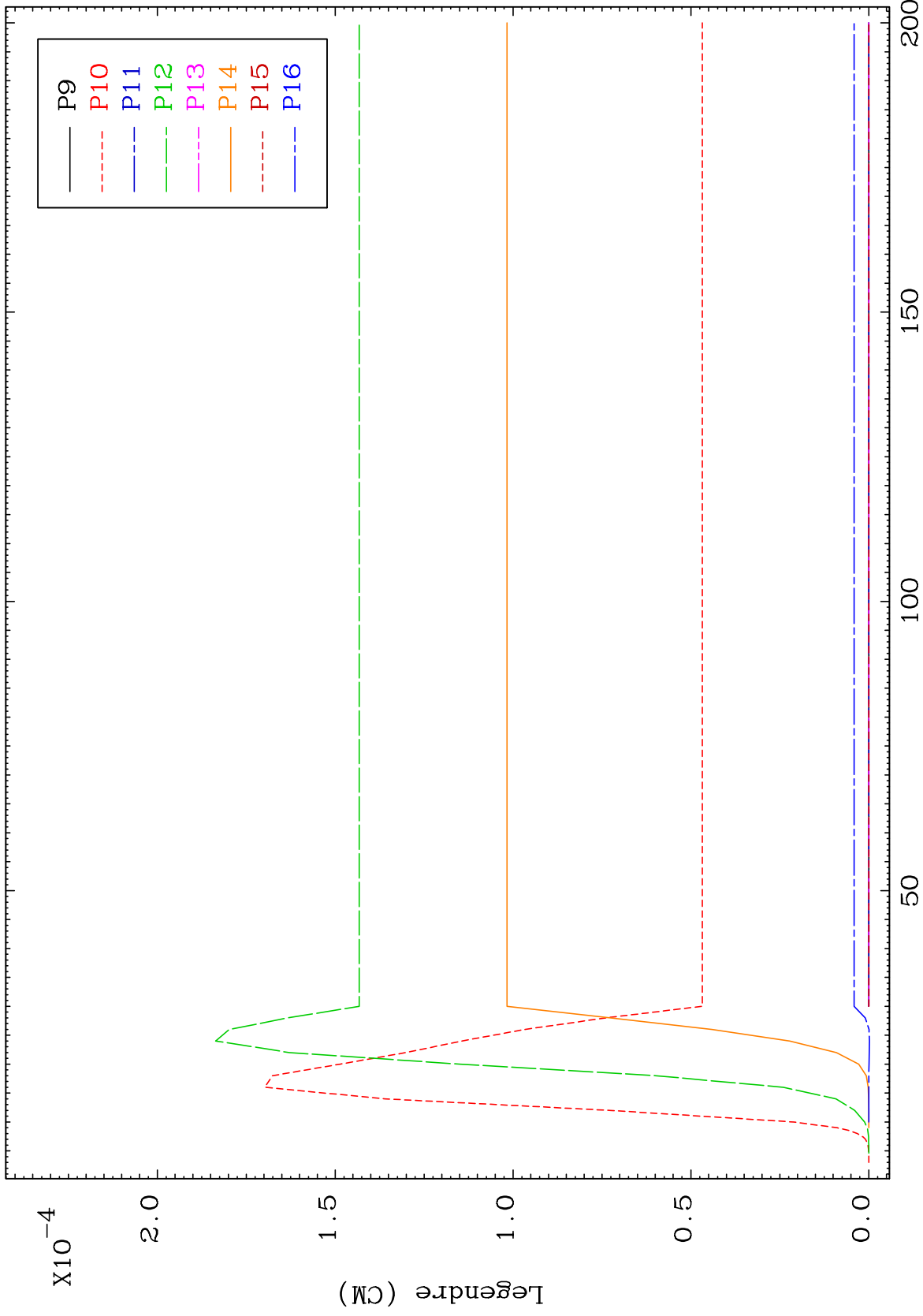
41-Nb-91



MAT 4119

41-Nb-91

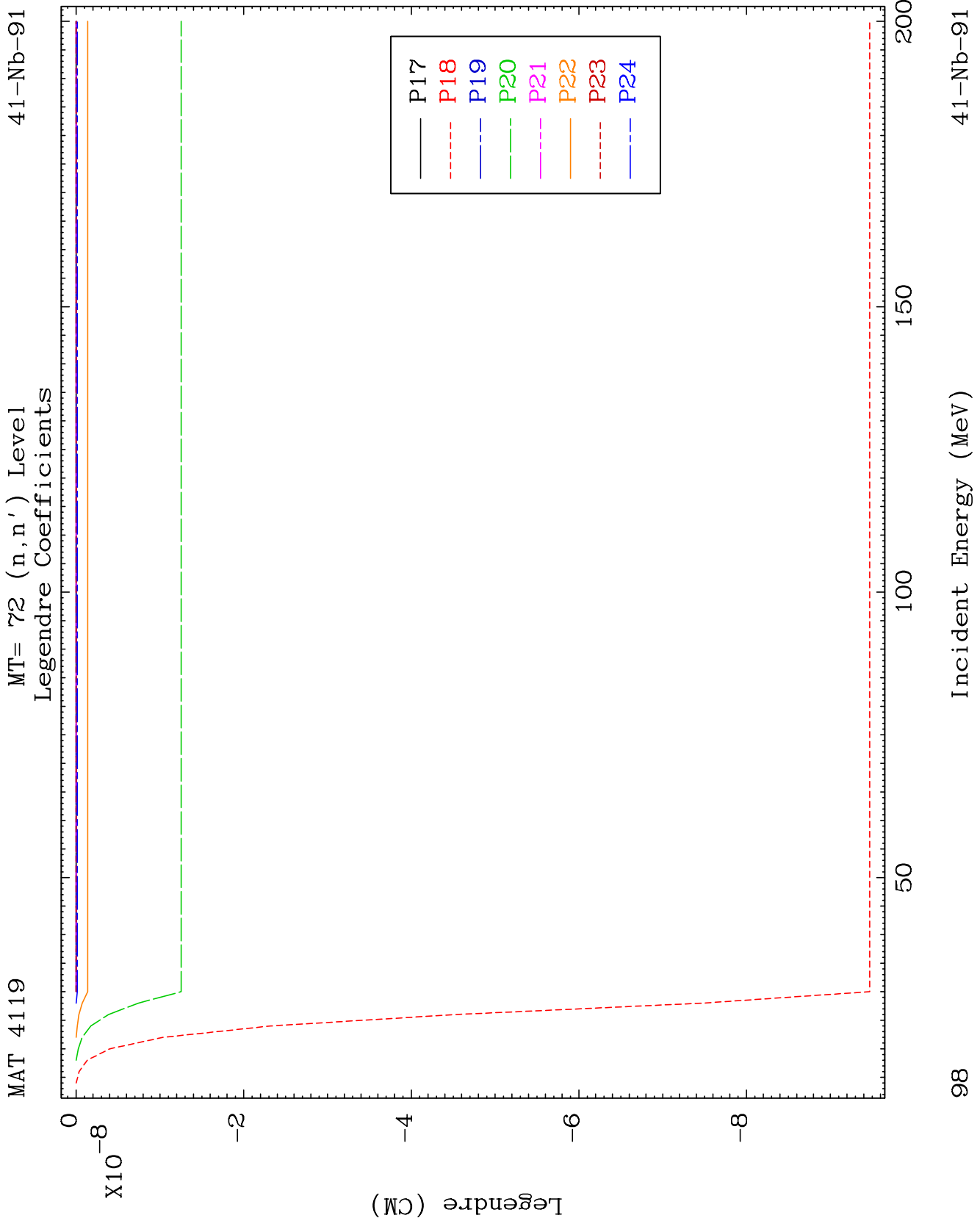
MT= 72 (n,n') Level
Legendre Coefficients



97

Incident Energy (MeV)

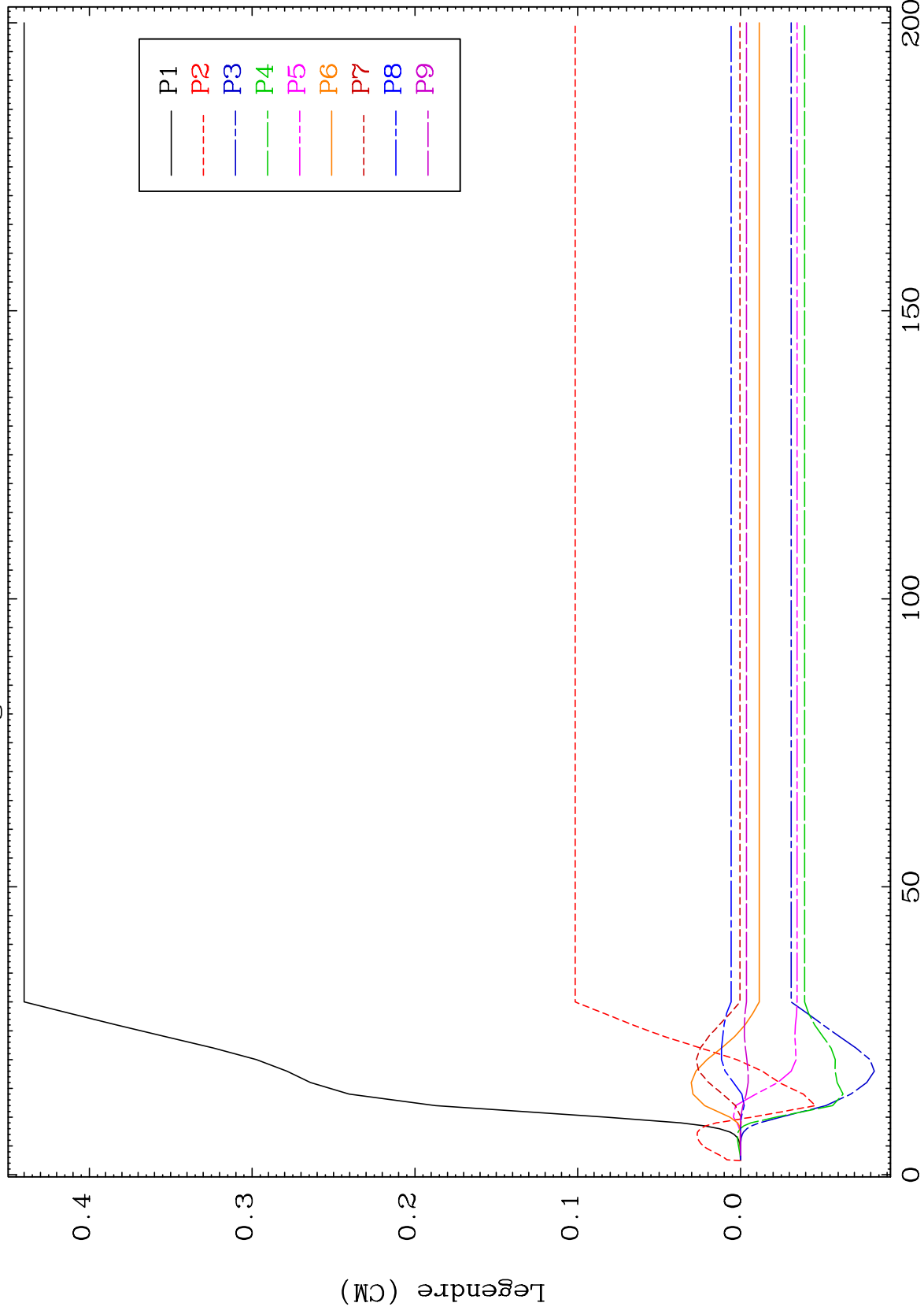
41-Nb-91



MAT 4119

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

41-Nb-91



99

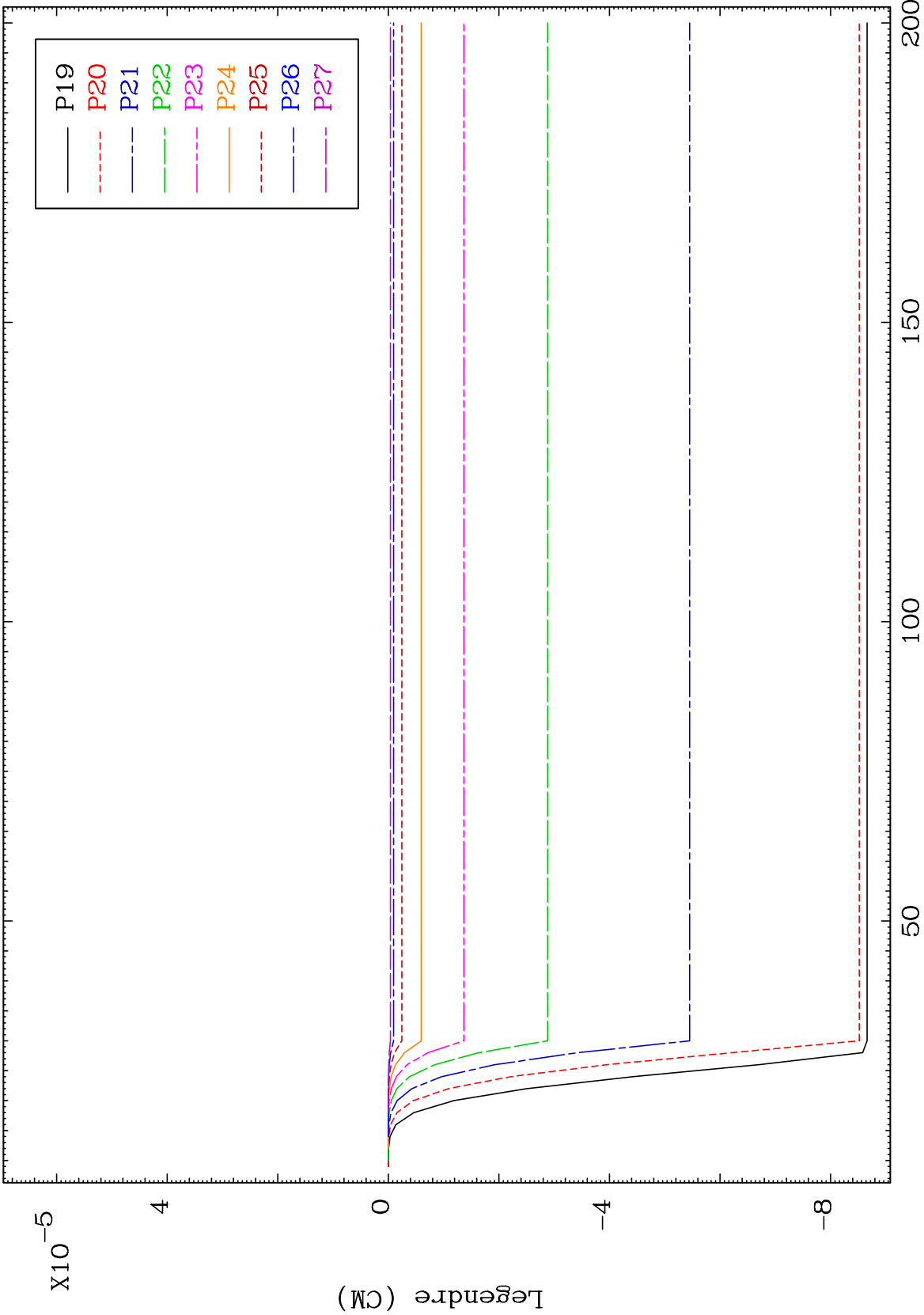
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



101

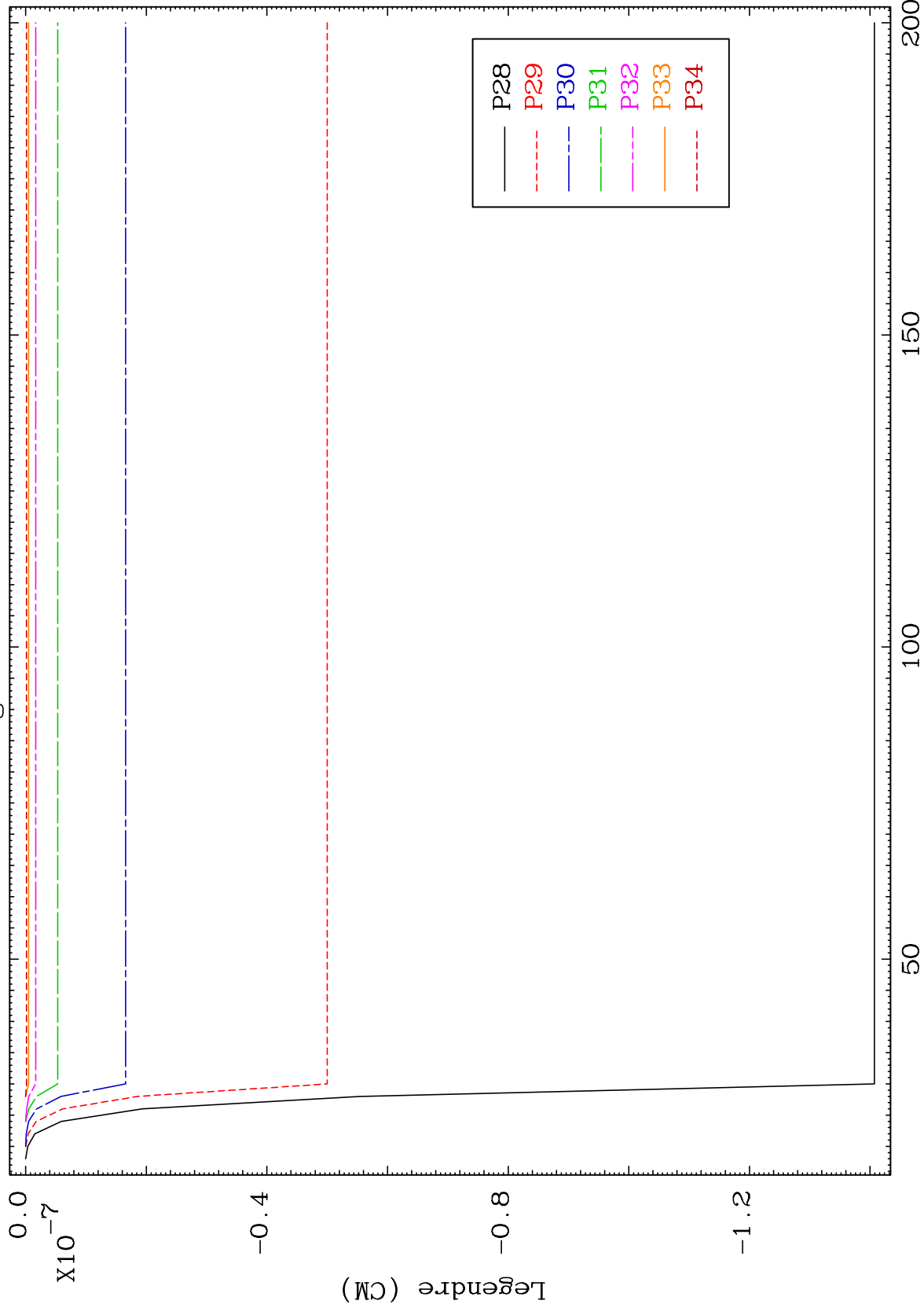
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



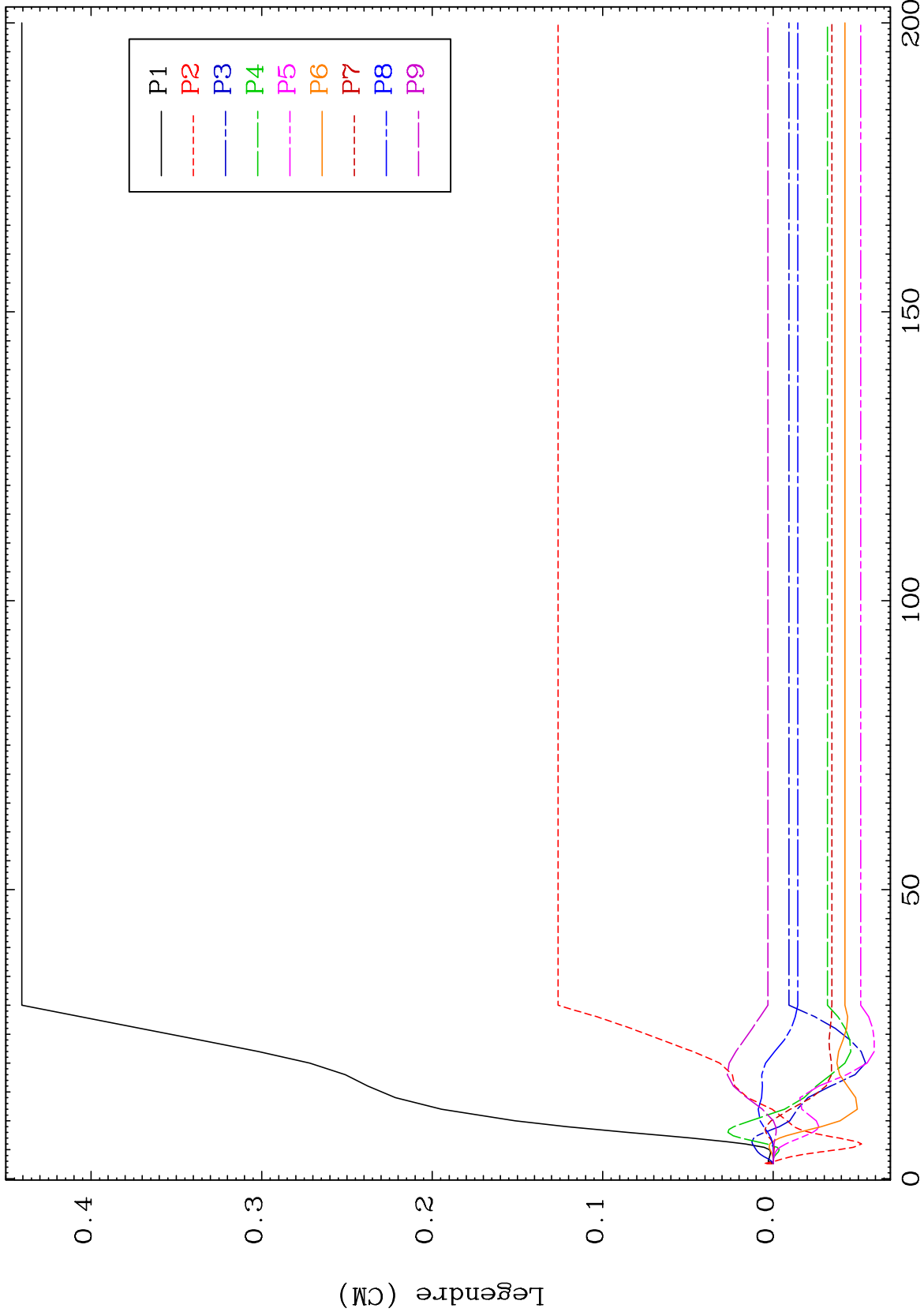
102

41-Nb-91

MAT 4119

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

41-Nb-91



103

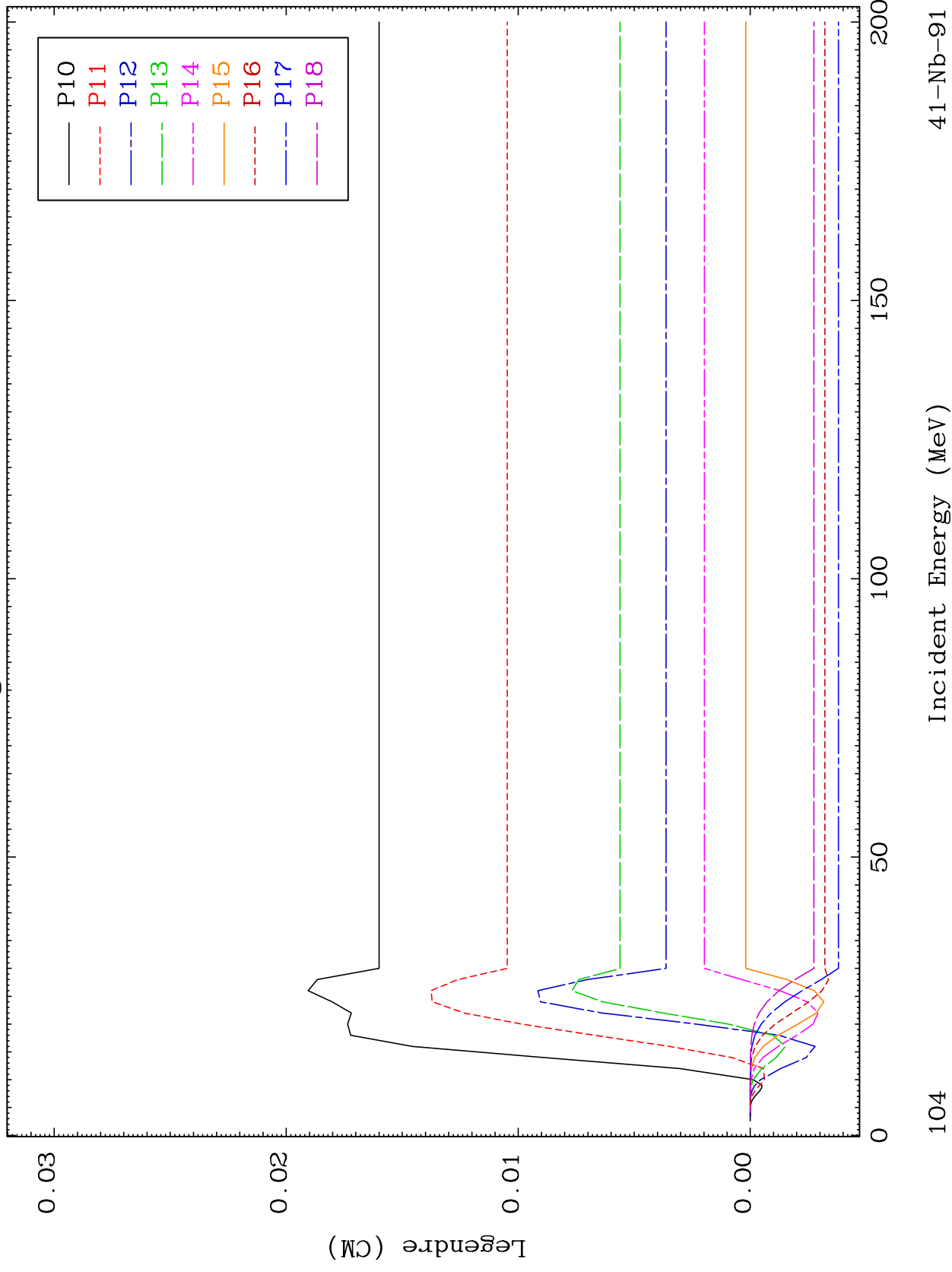
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

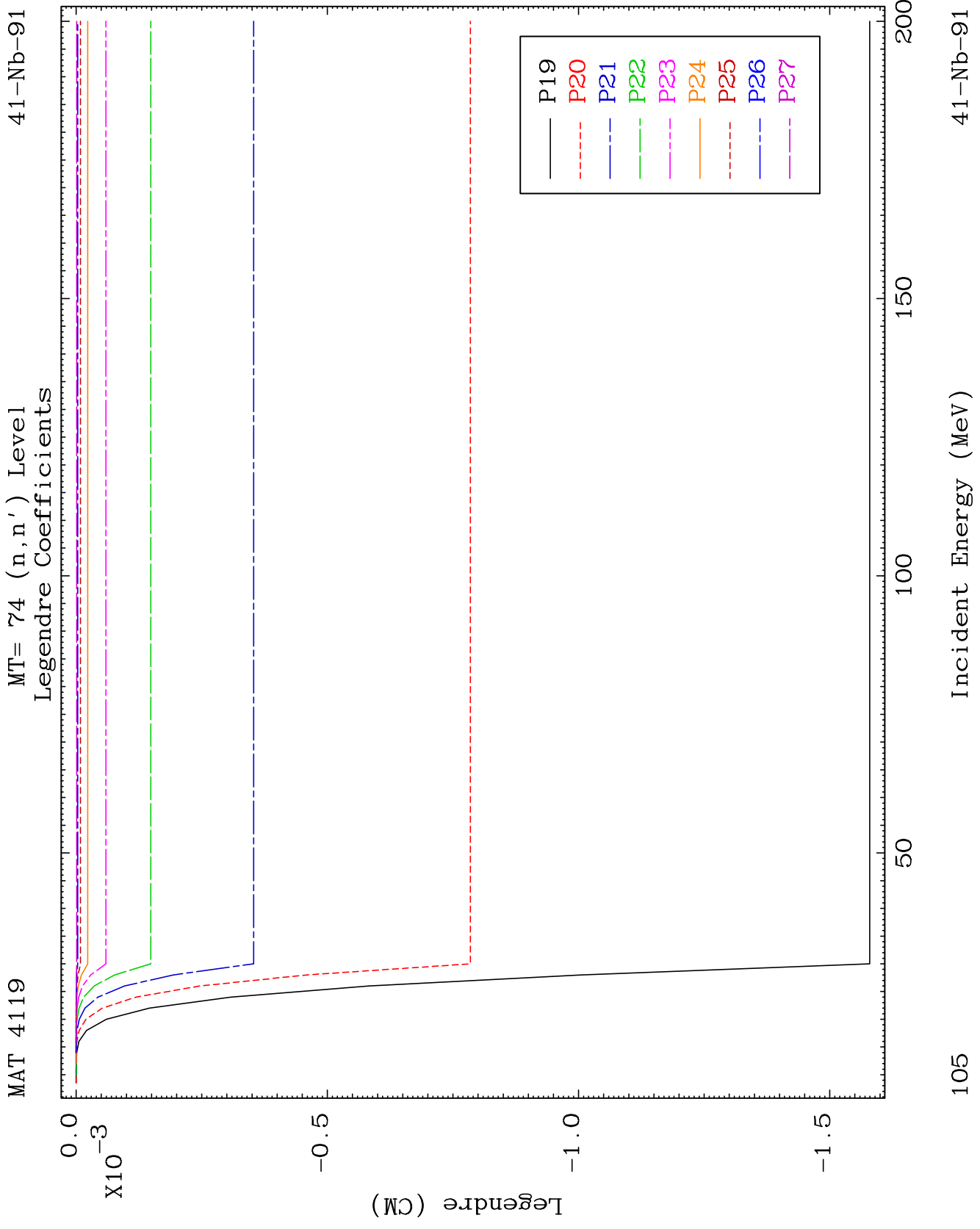
41-Nb-91

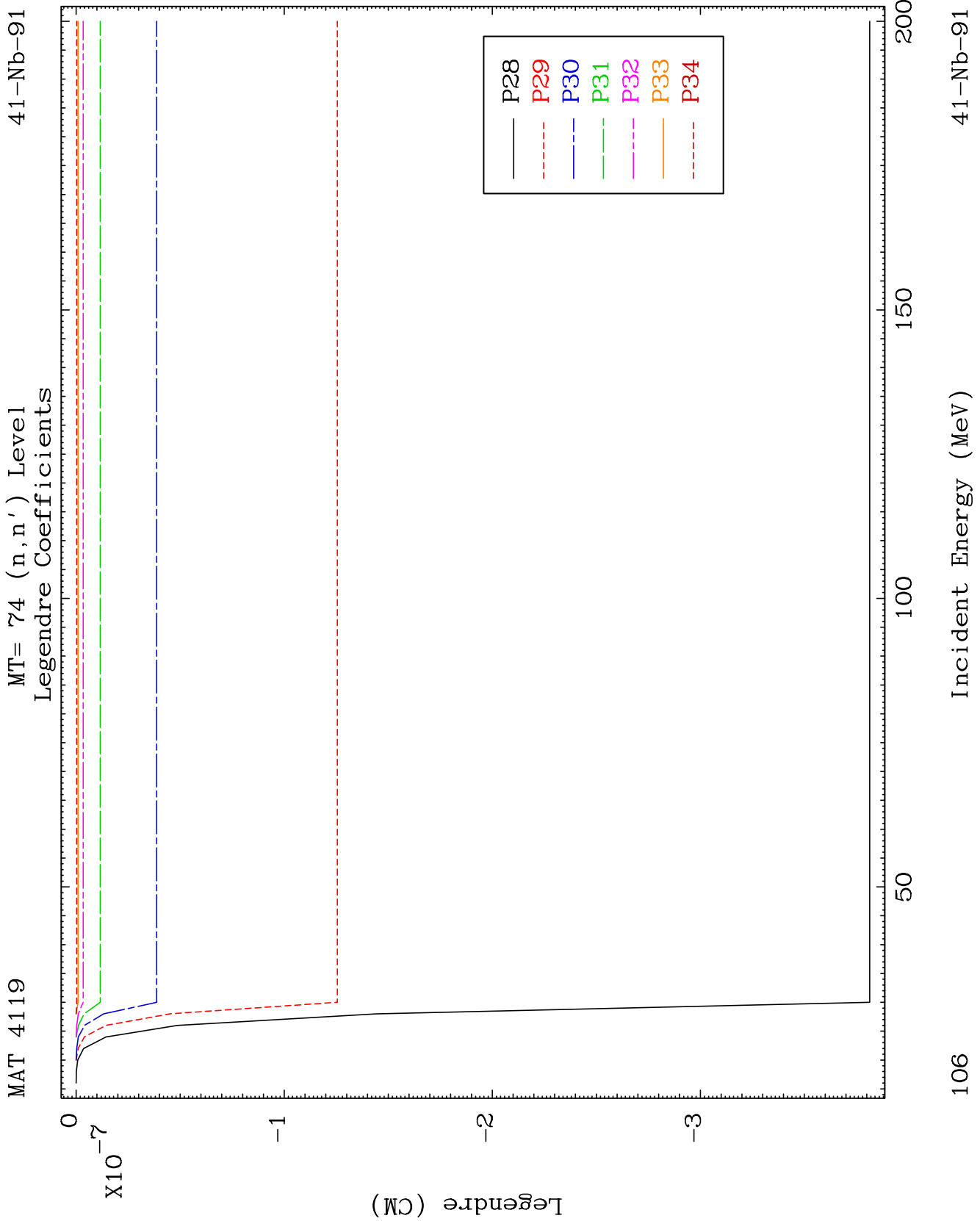


104

Incident Energy (MeV)

41-Nb-91

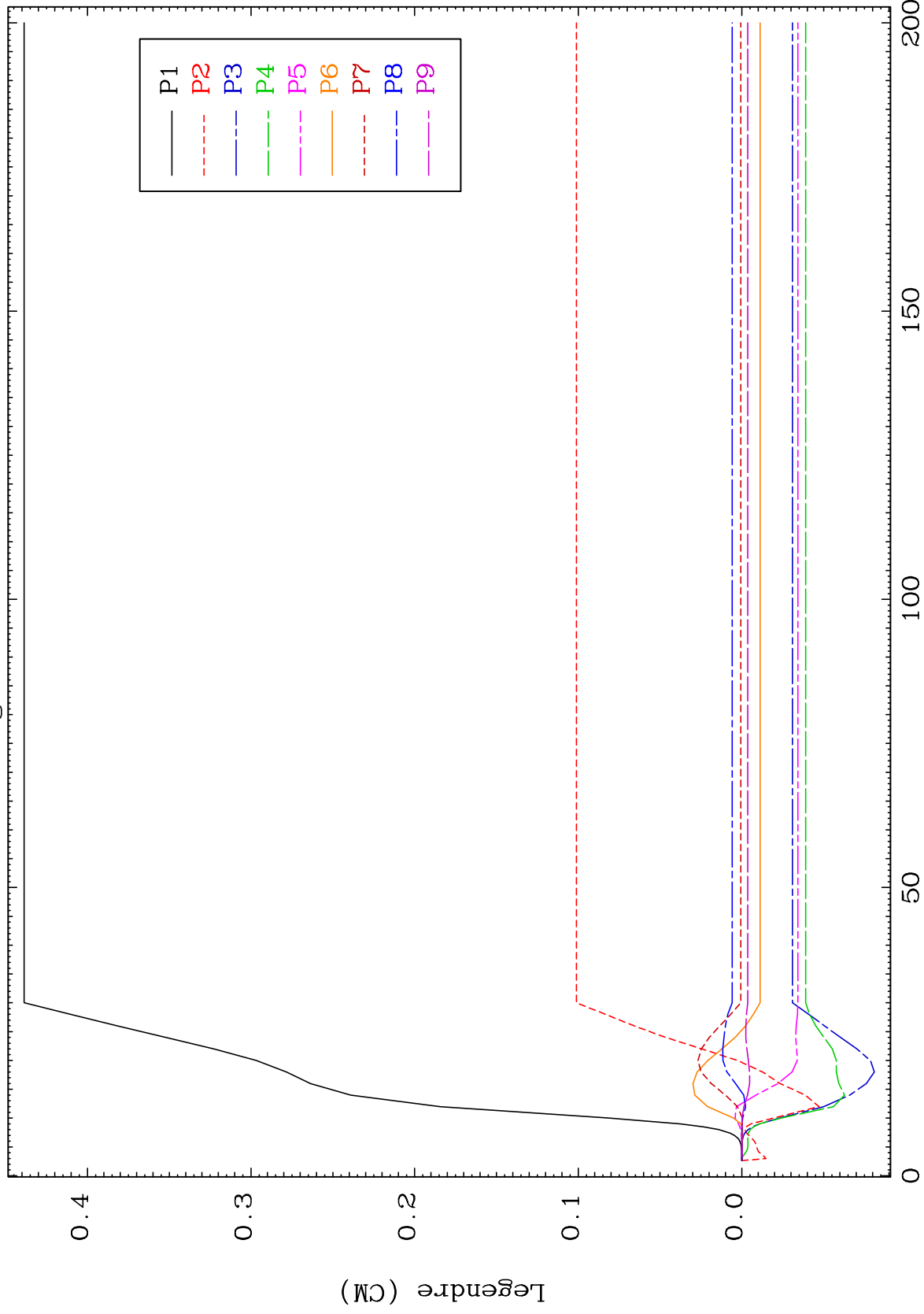




MAT 4119

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

41-Nb-91



107

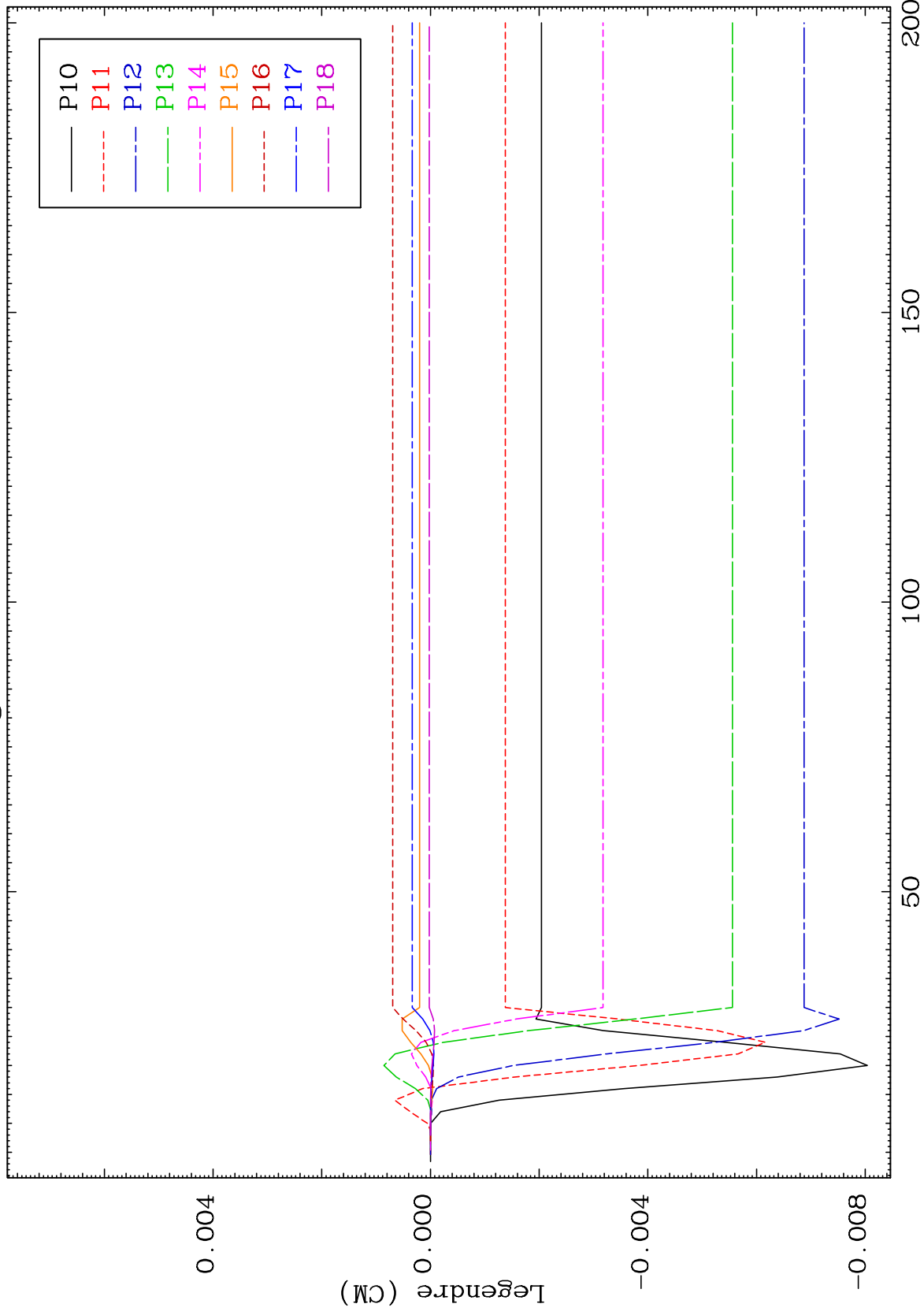
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



108

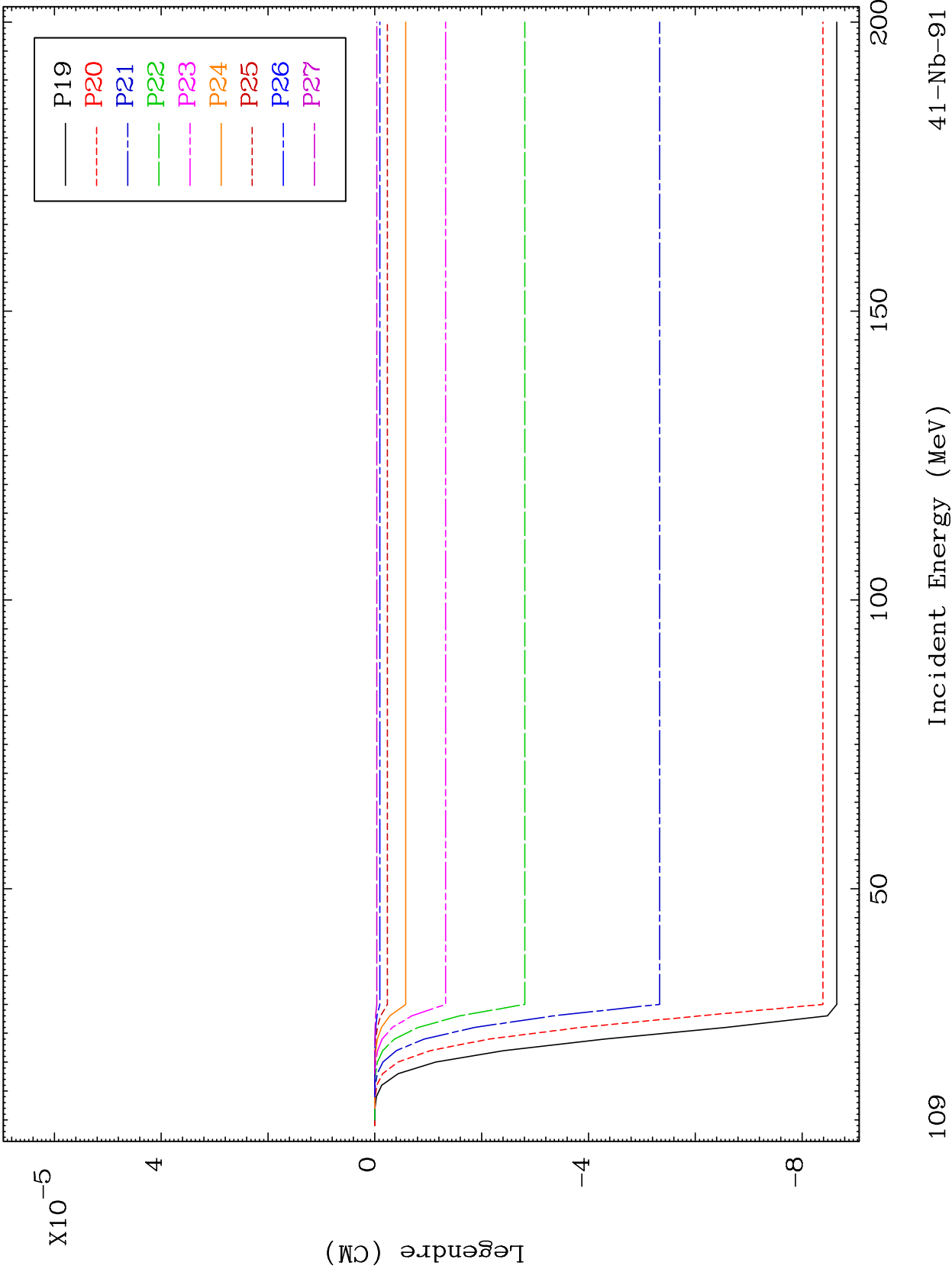
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

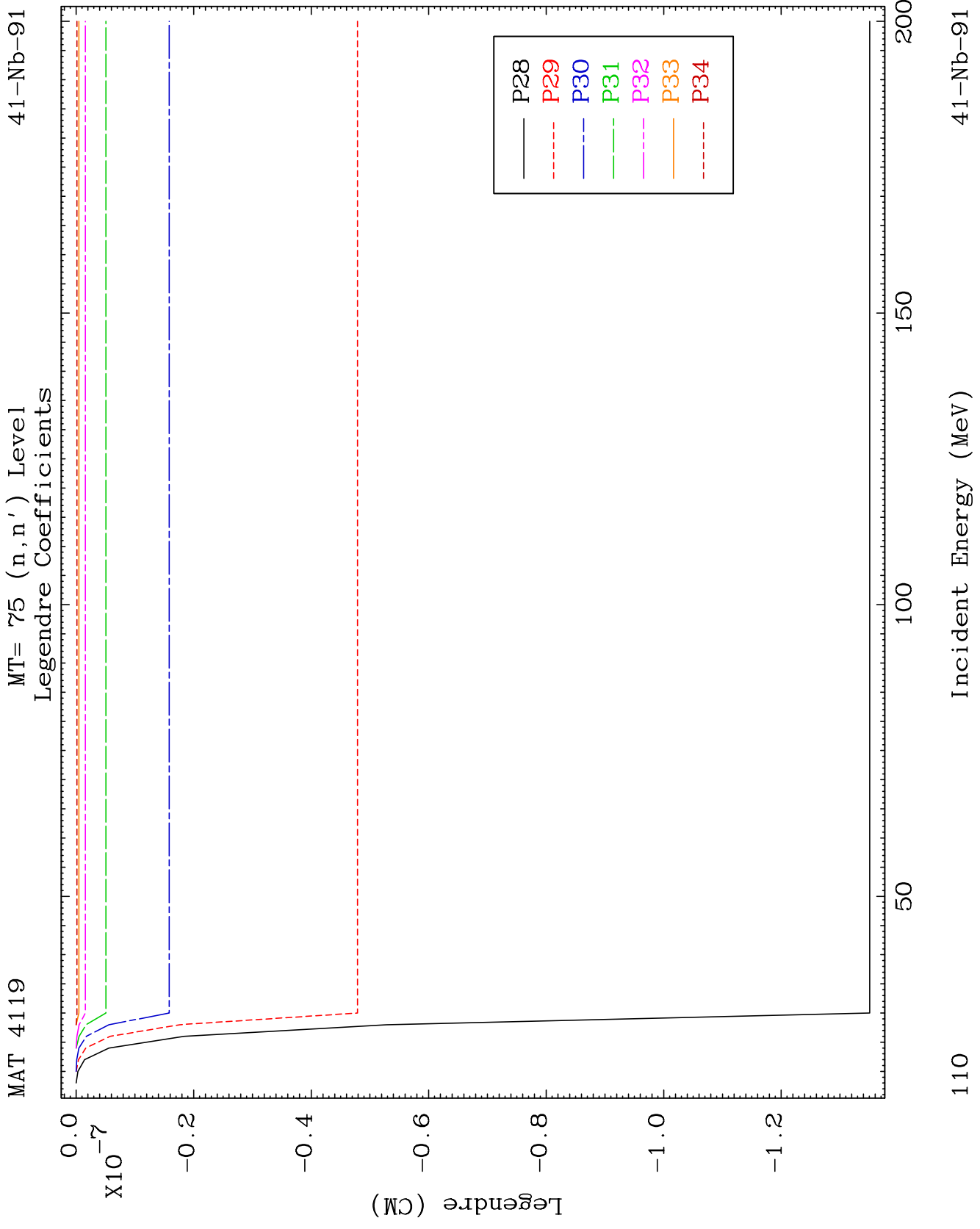
41-Nb-91



109

Incident Energy (MeV)

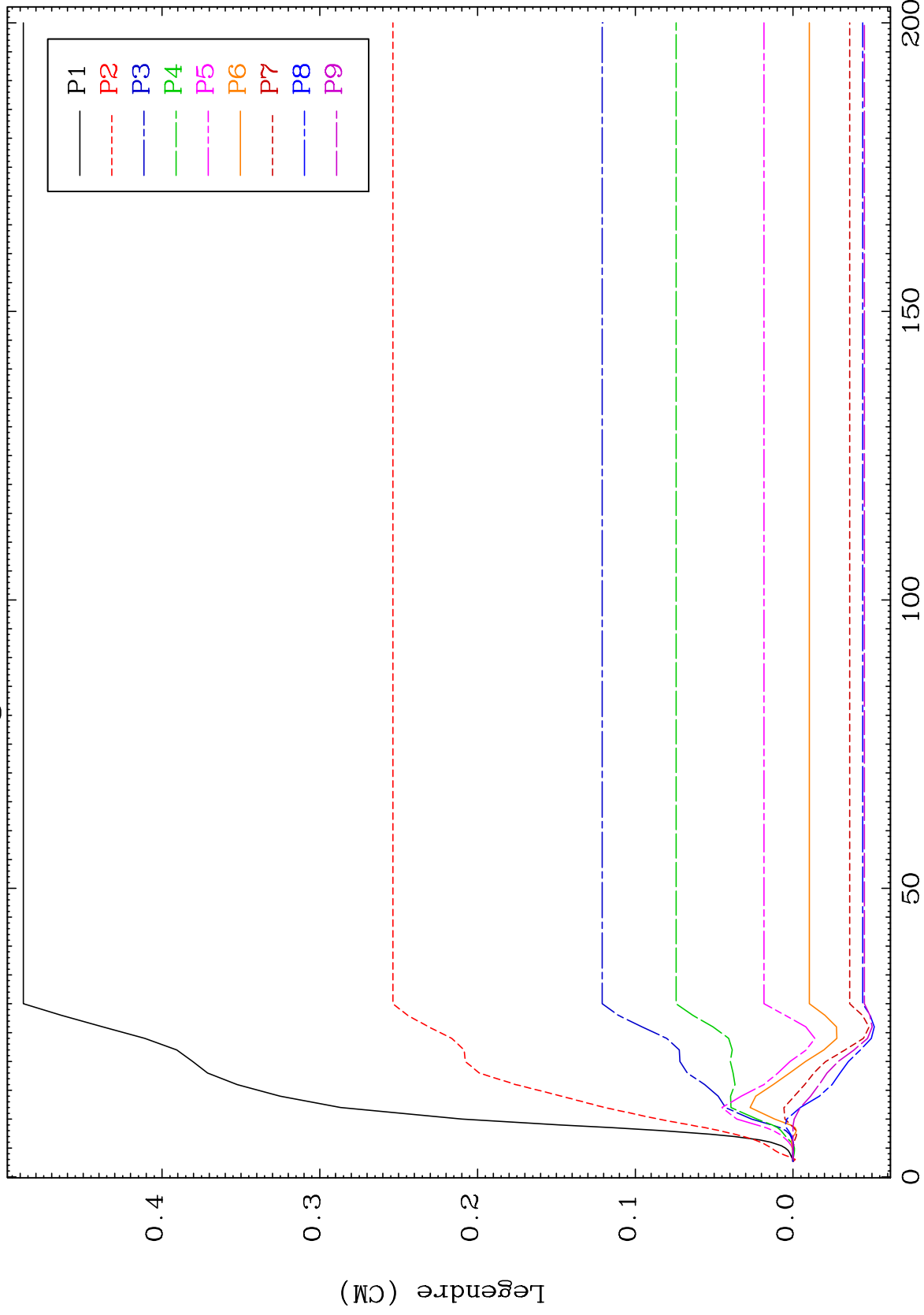
41-Nb-91



MAT 4119

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

41-Nb-91



111

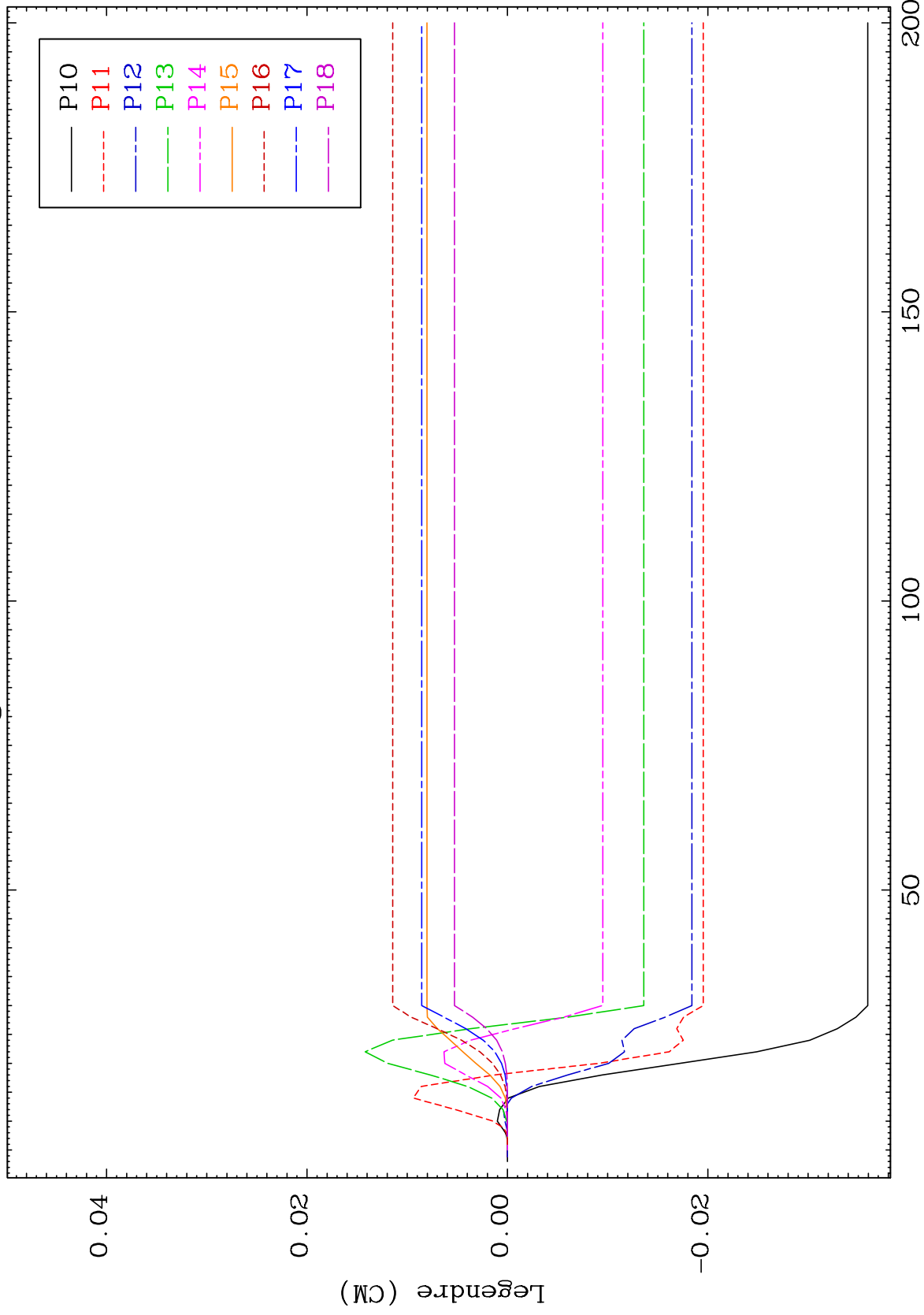
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



112

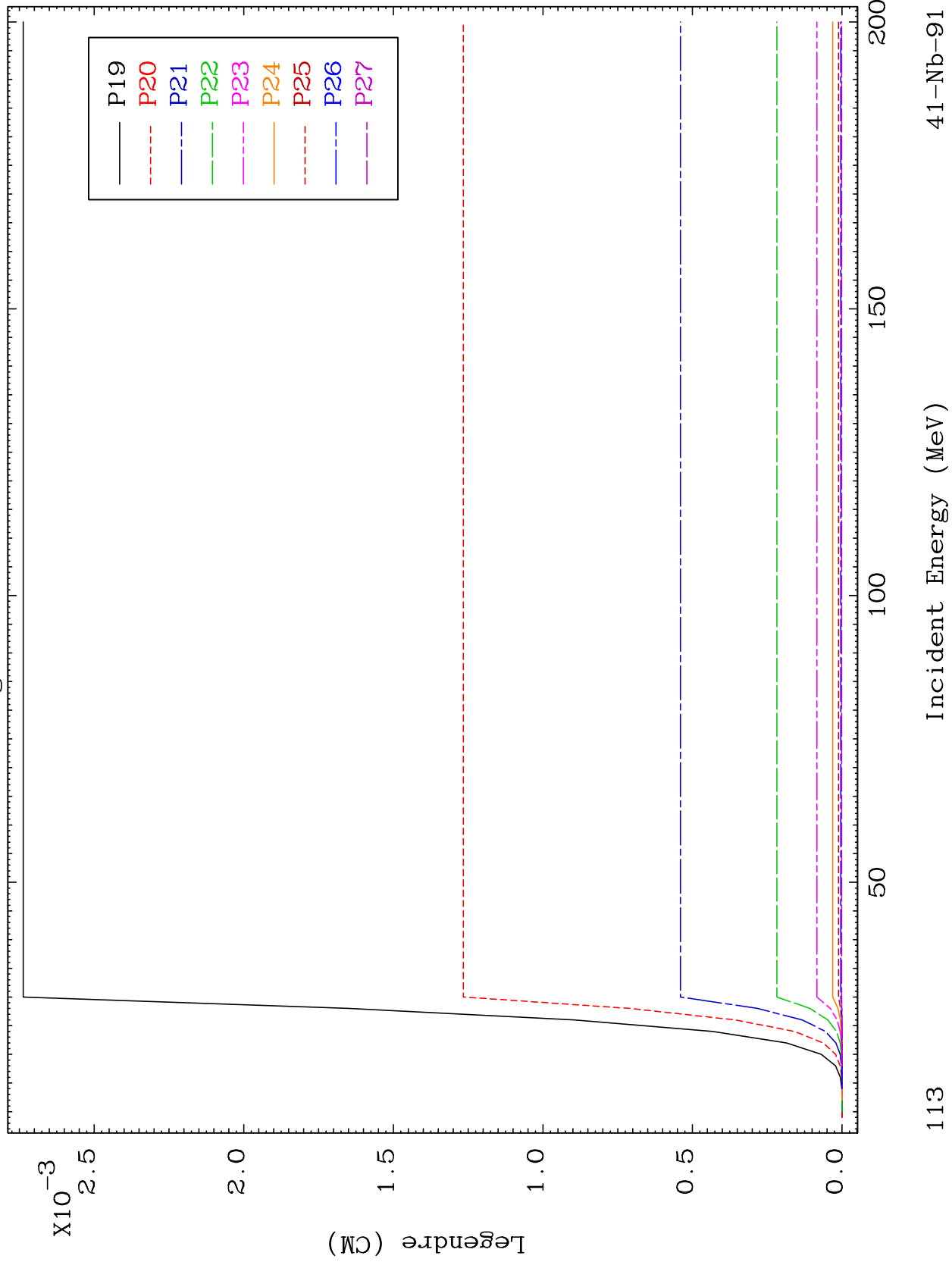
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



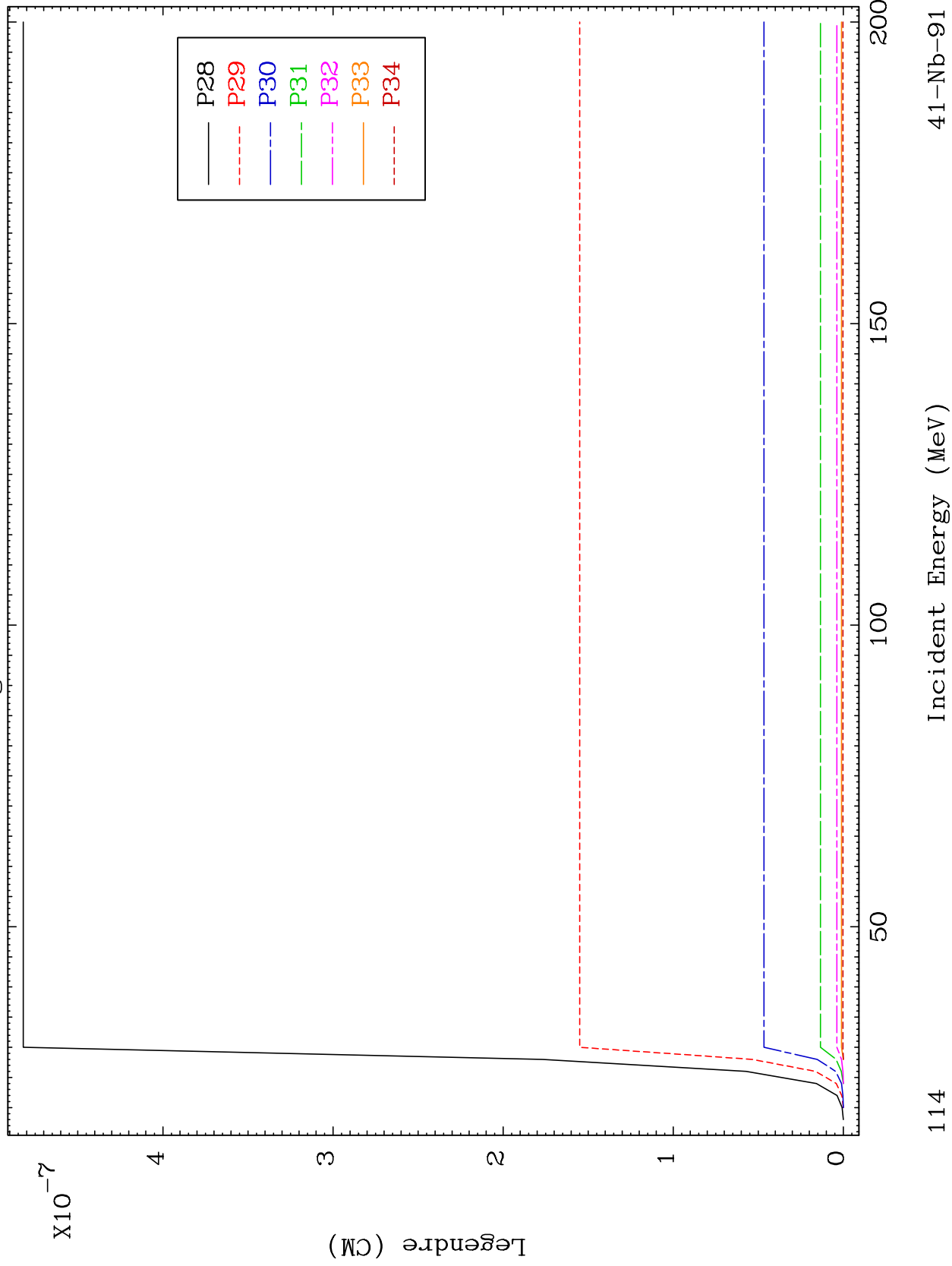
113

41-Nb-91

MAT 4119

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

41-Nb-91



114

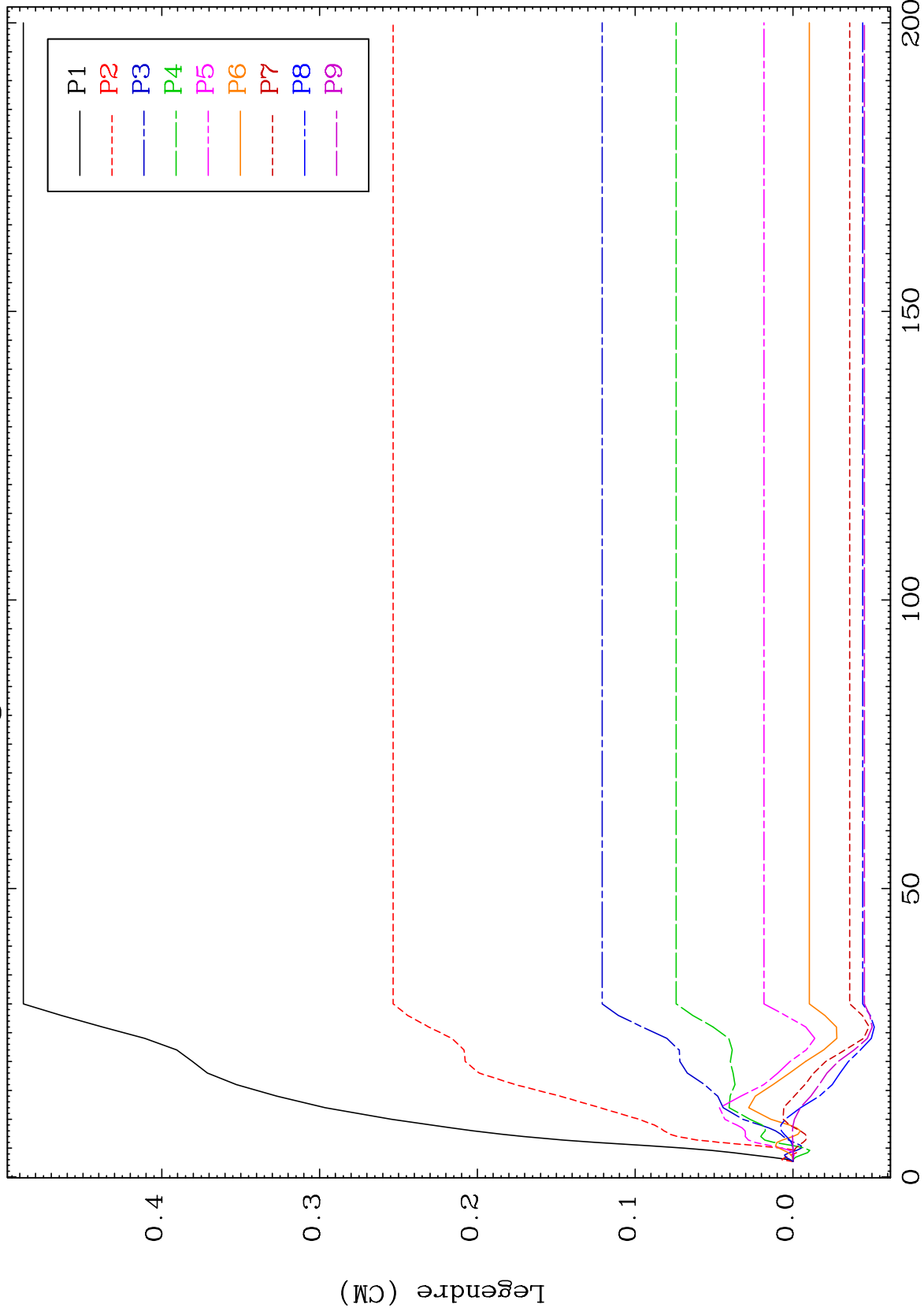
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



115

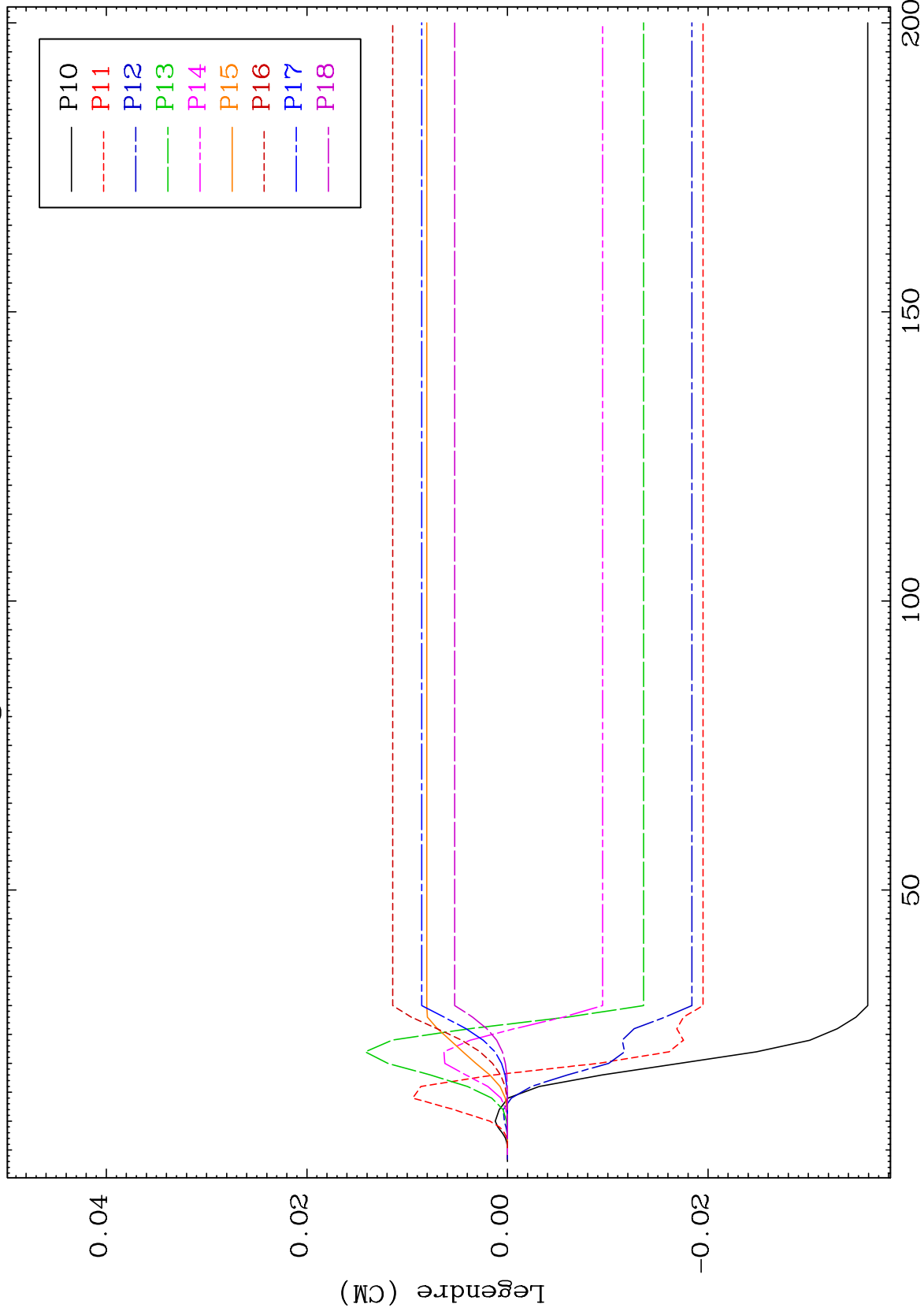
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



116

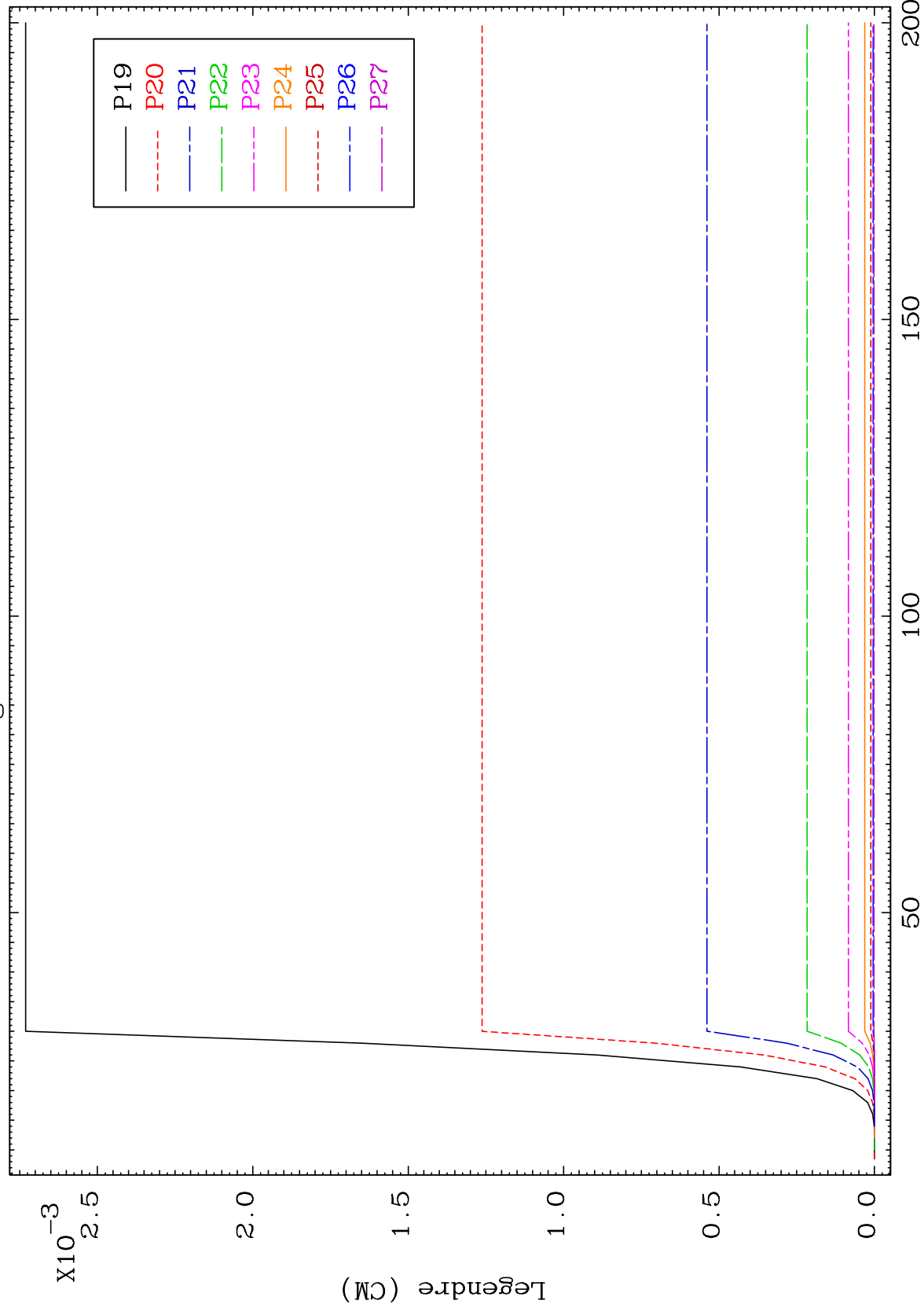
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



117

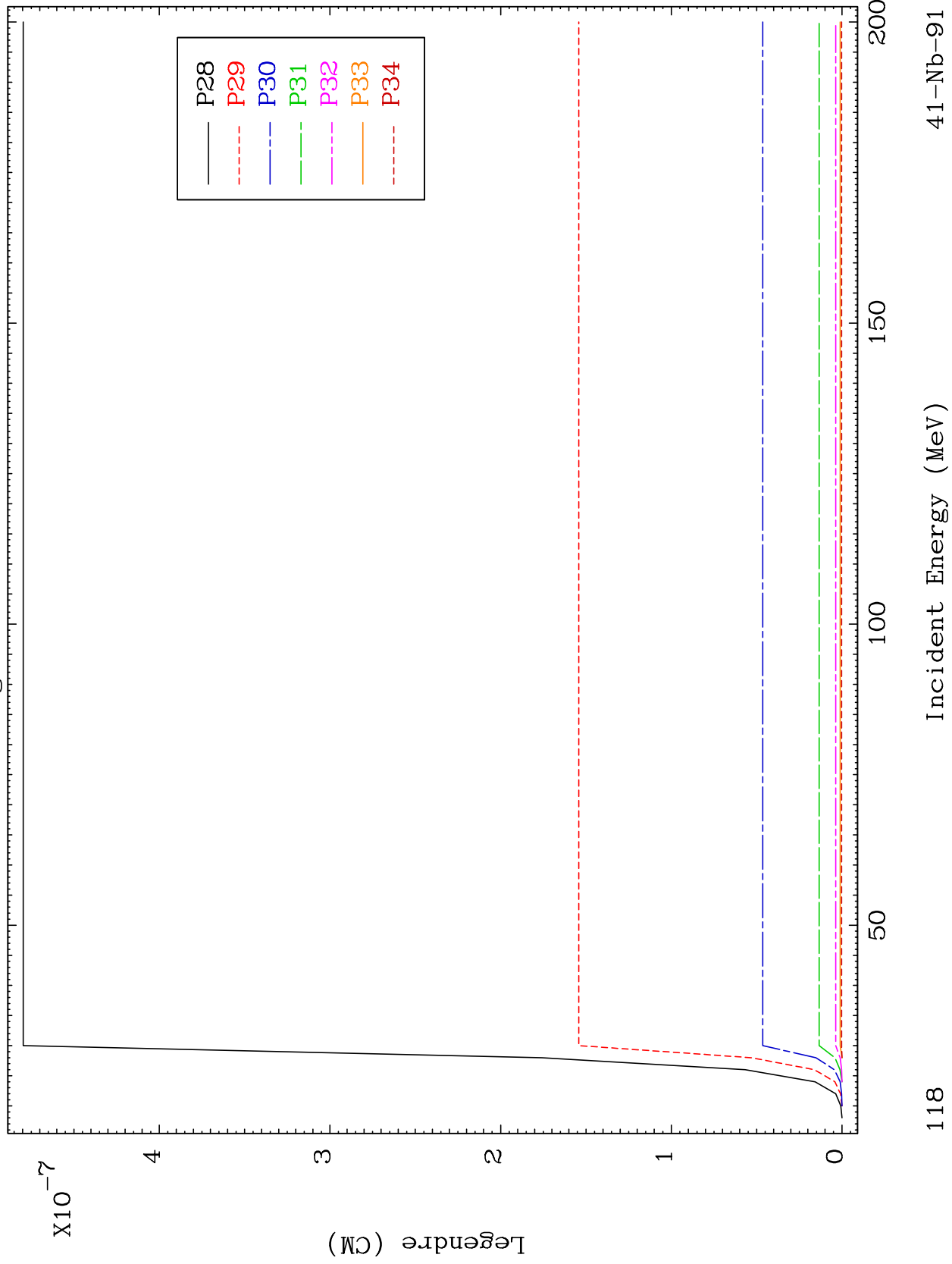
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91

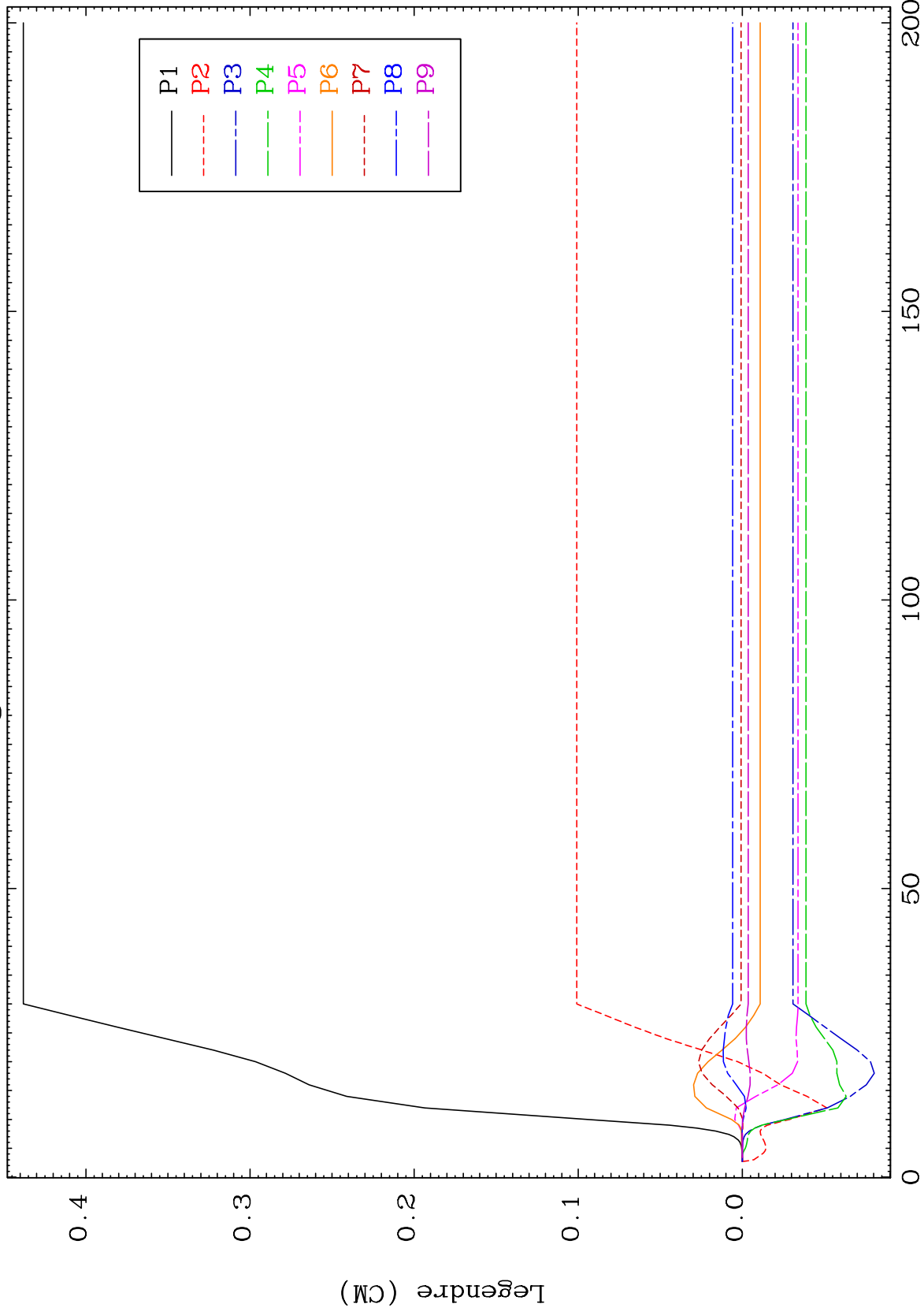


118

MAT 4119

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

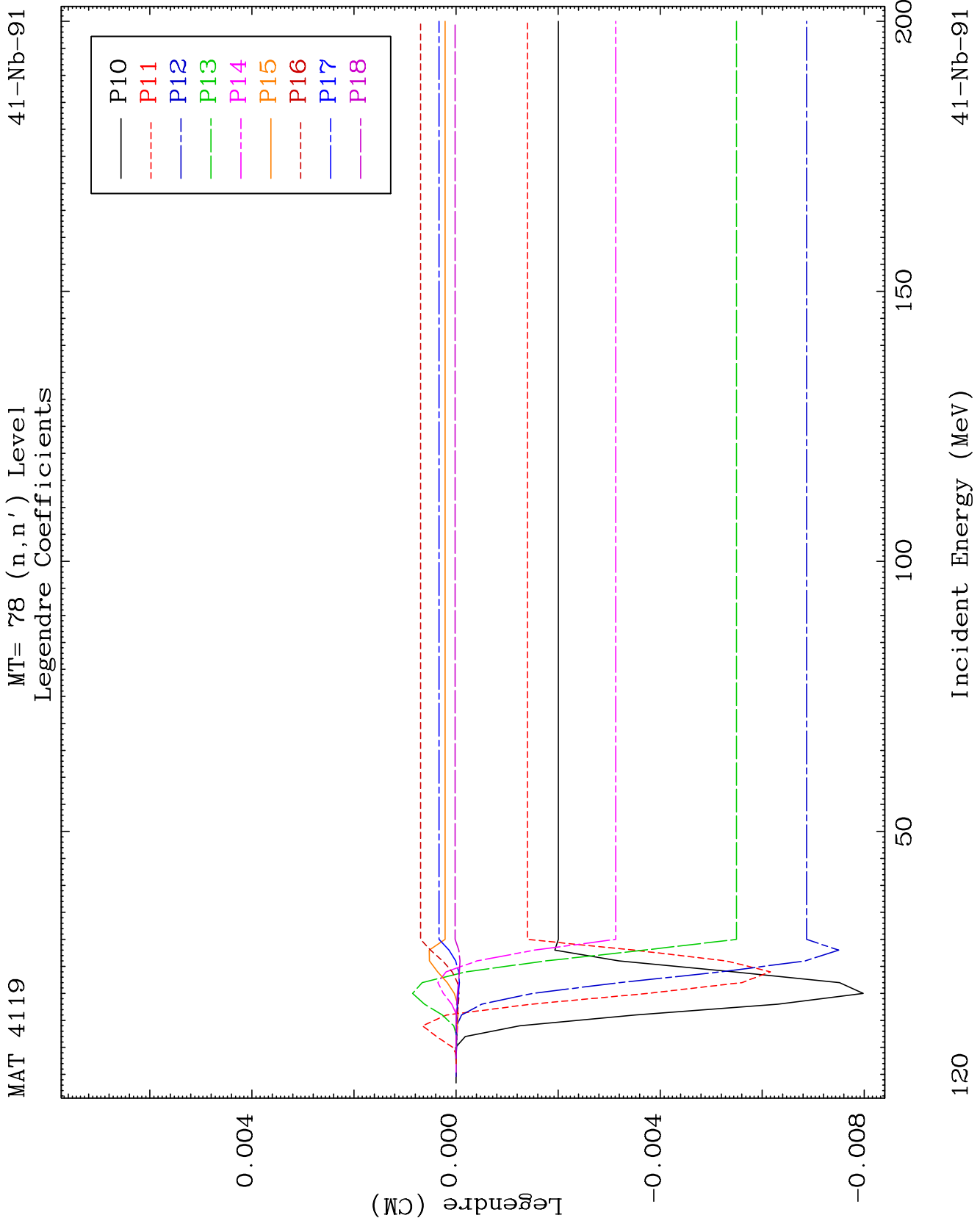
41-Nb-91



119

Incident Energy (MeV)

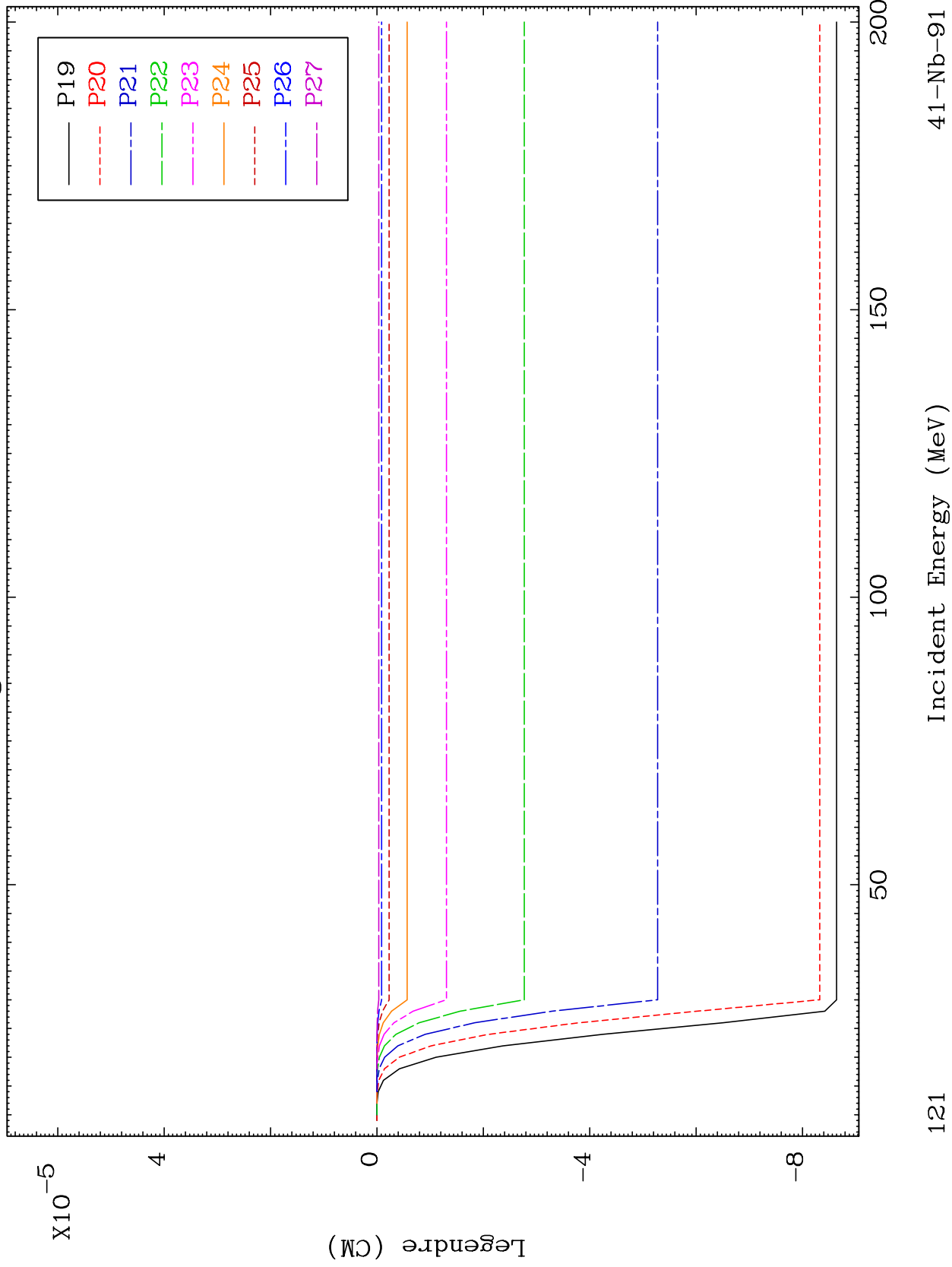
41-Nb-91



MAT 4119

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

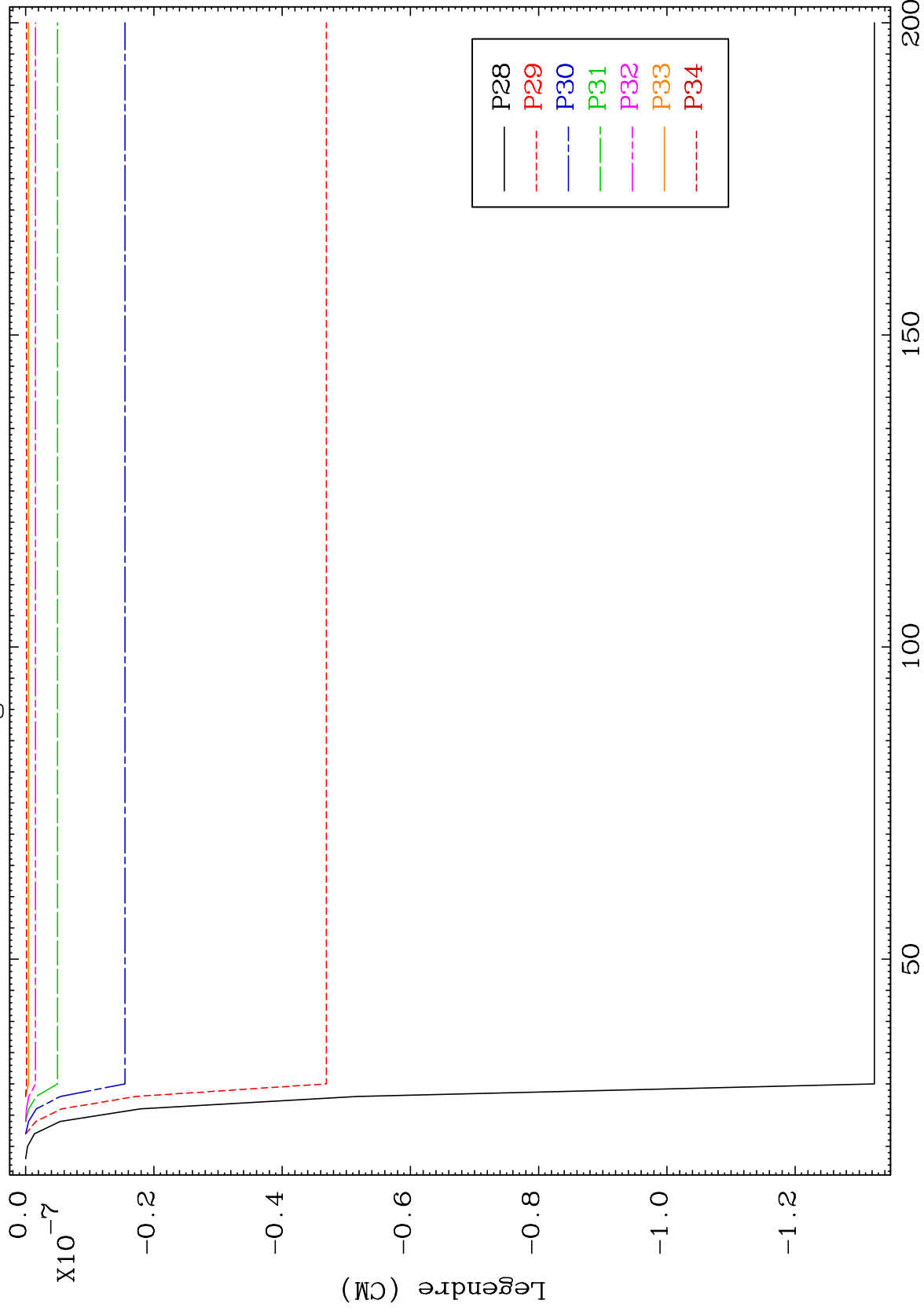
41-Nb-91



MAT 4119

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

41-Nb-91



122

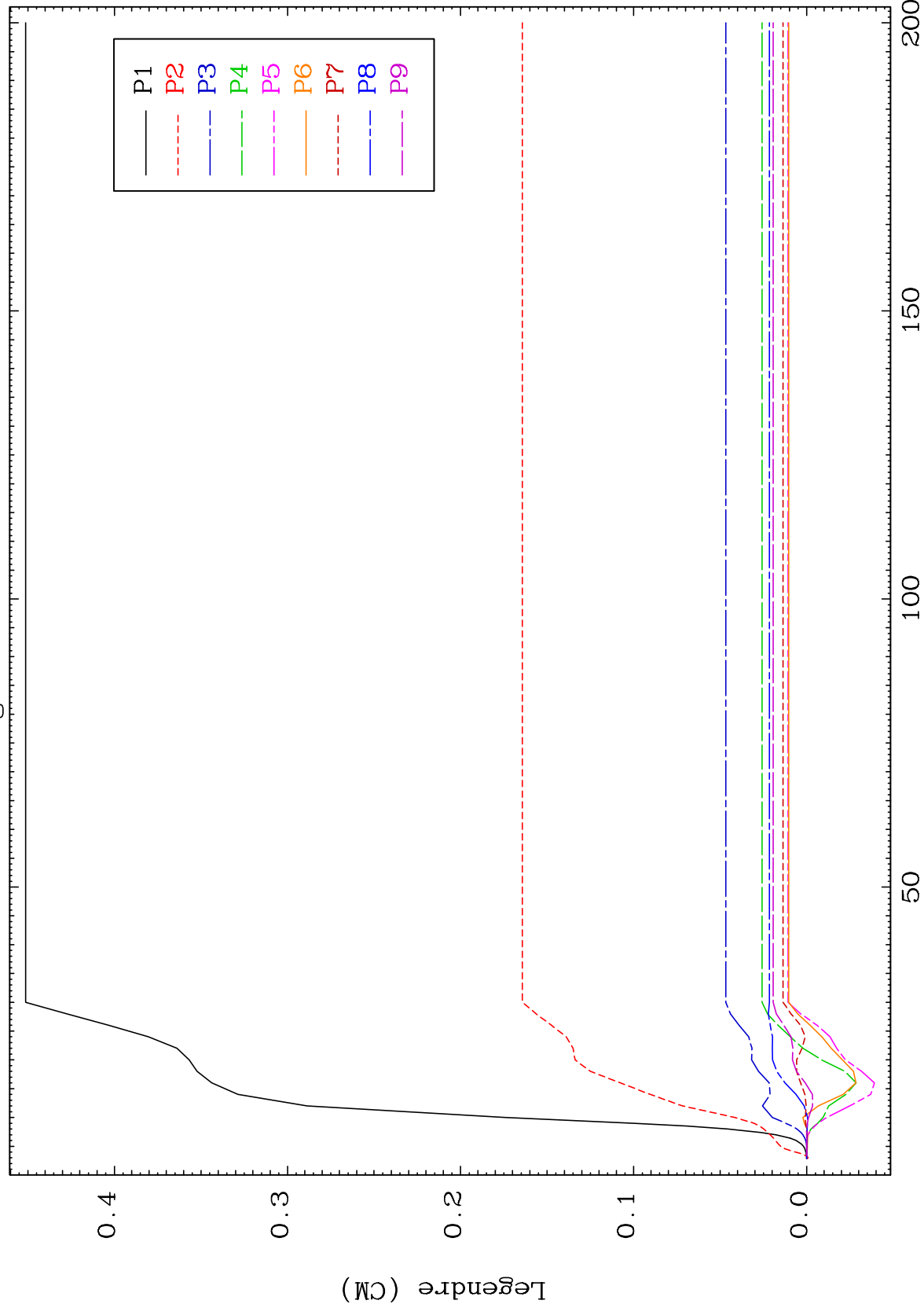
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

41-Nb-91



123

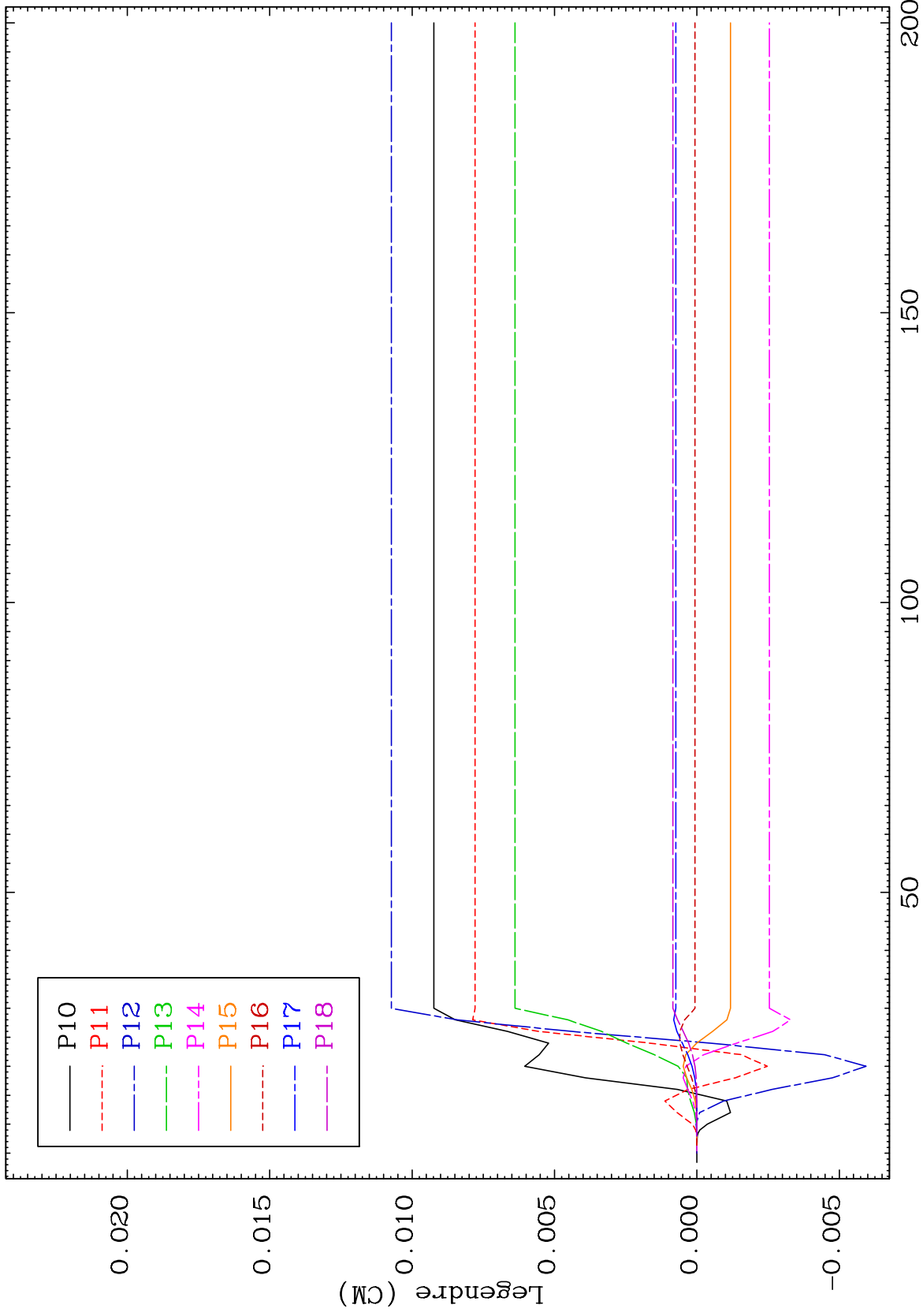
Incident Energy (MeV)

41-Nb-91

MAT 4119

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

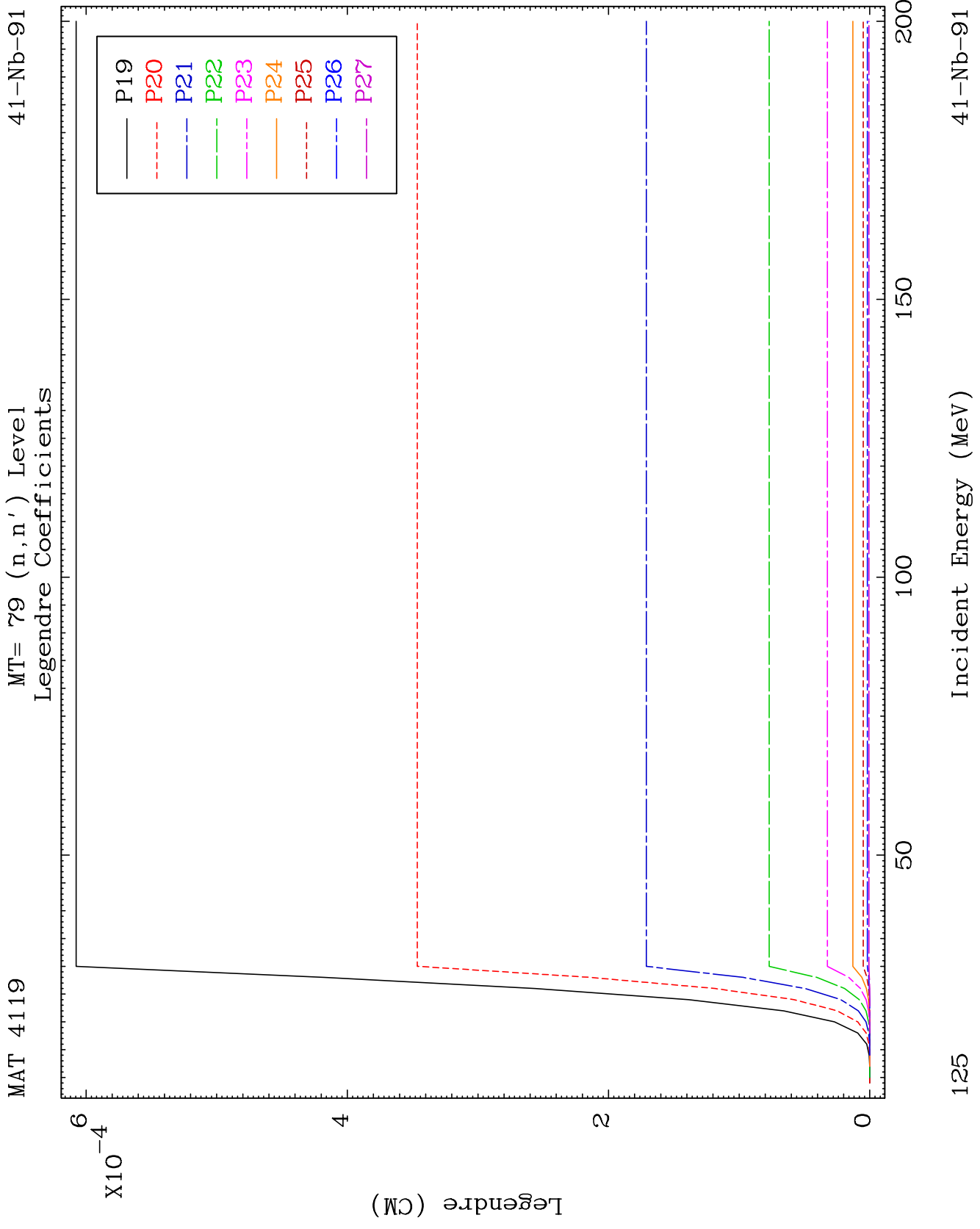
41-Nb-91



124

Incident Energy (MeV)

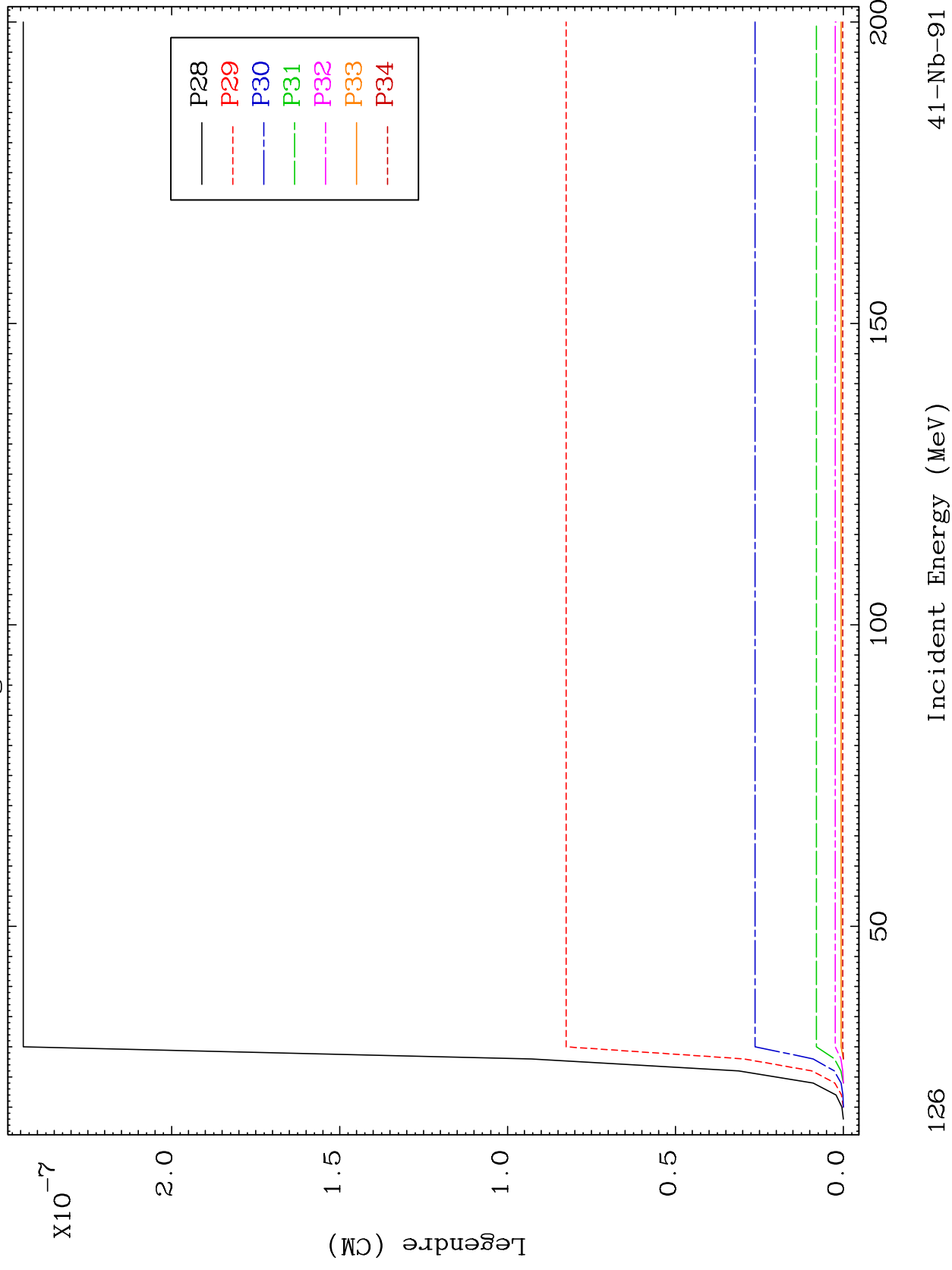
41-Nb-91



MAT 4119

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

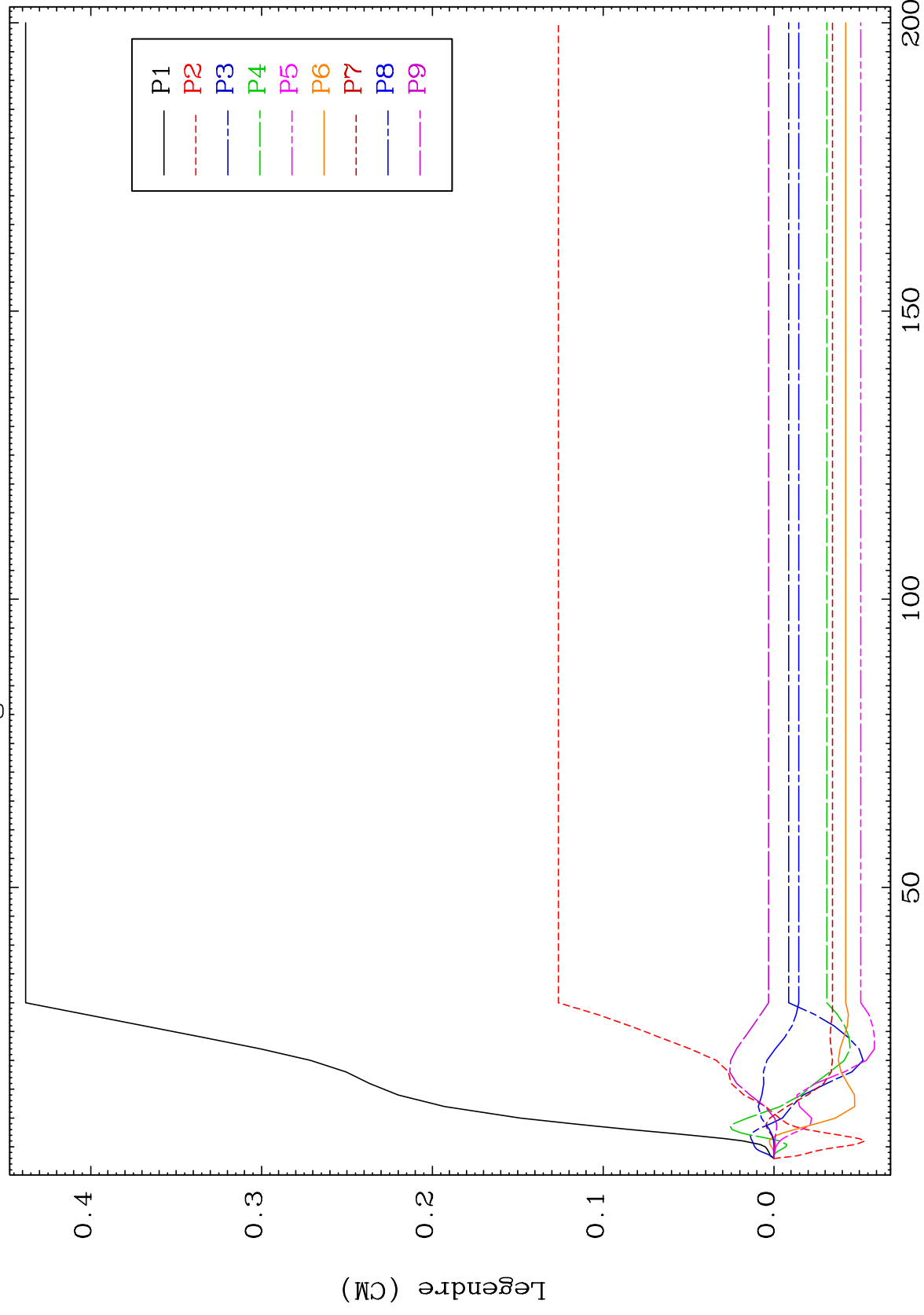
41-Nb-91



MAT 4119

MT= 80 (n,n') Level
Legendre Coefficients

41-Nb-91



127

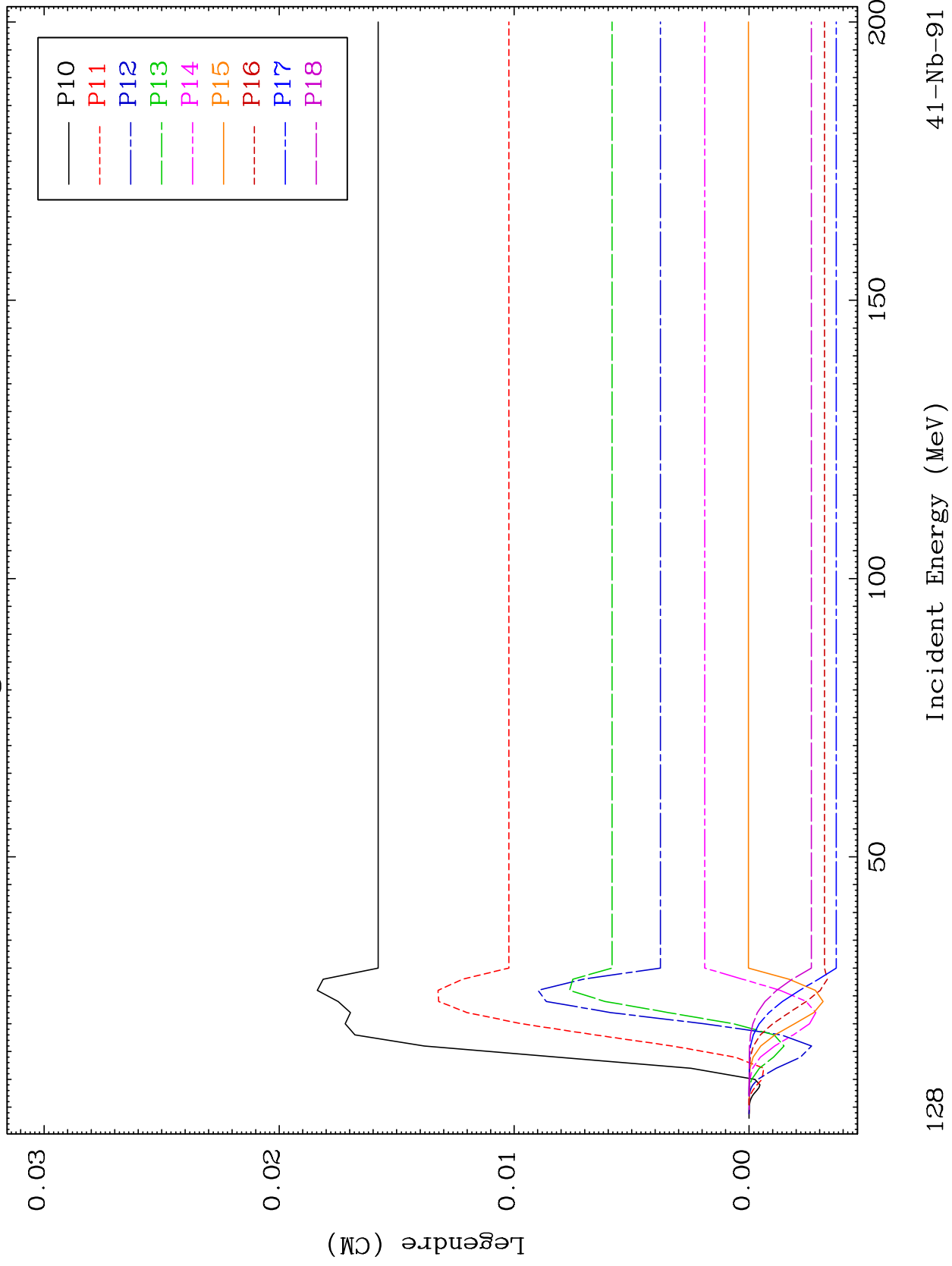
Incident Energy (MeV)

41-Nb-91

MAT 4119

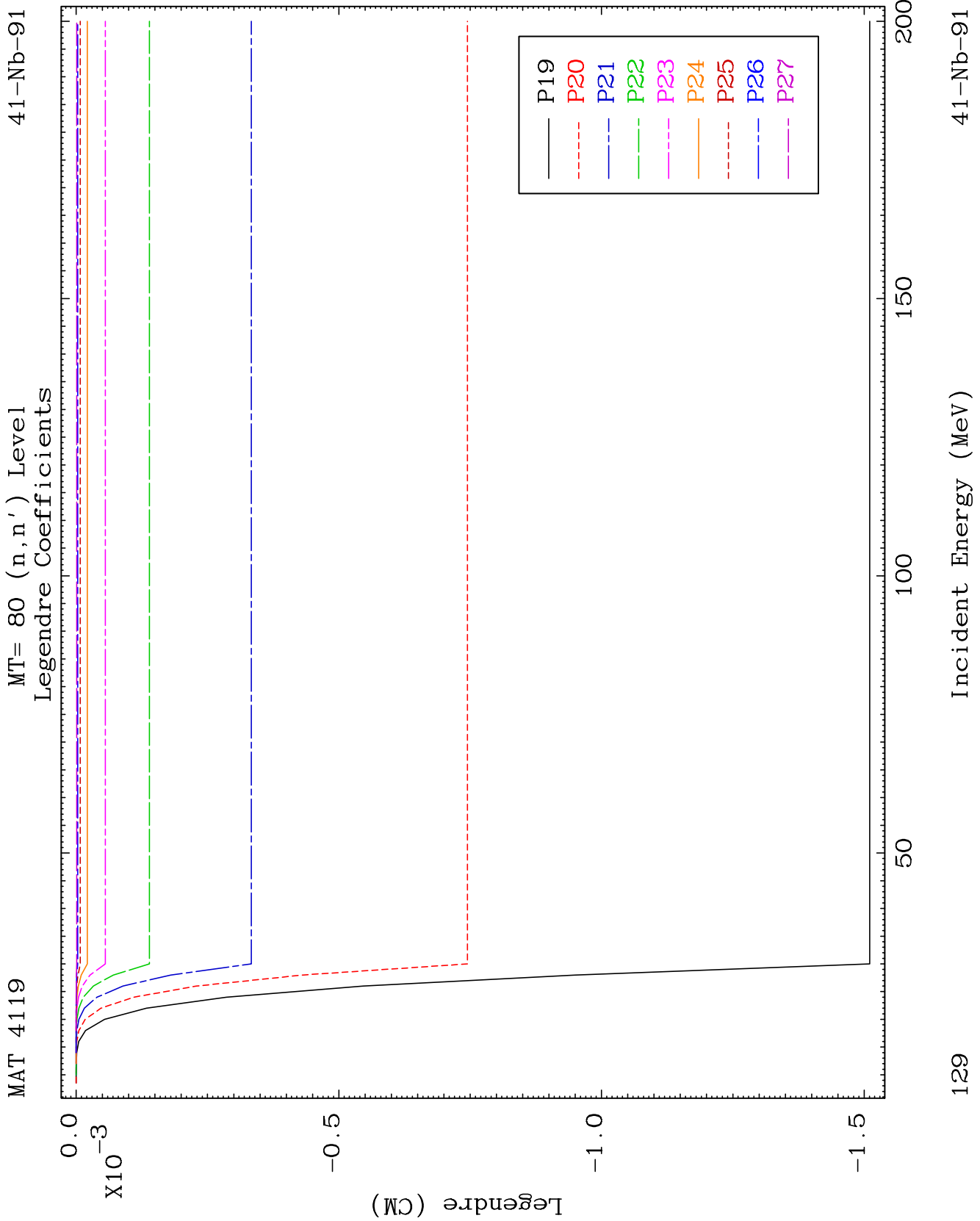
MT= 80 (n,n') Level
Legendre Coefficients

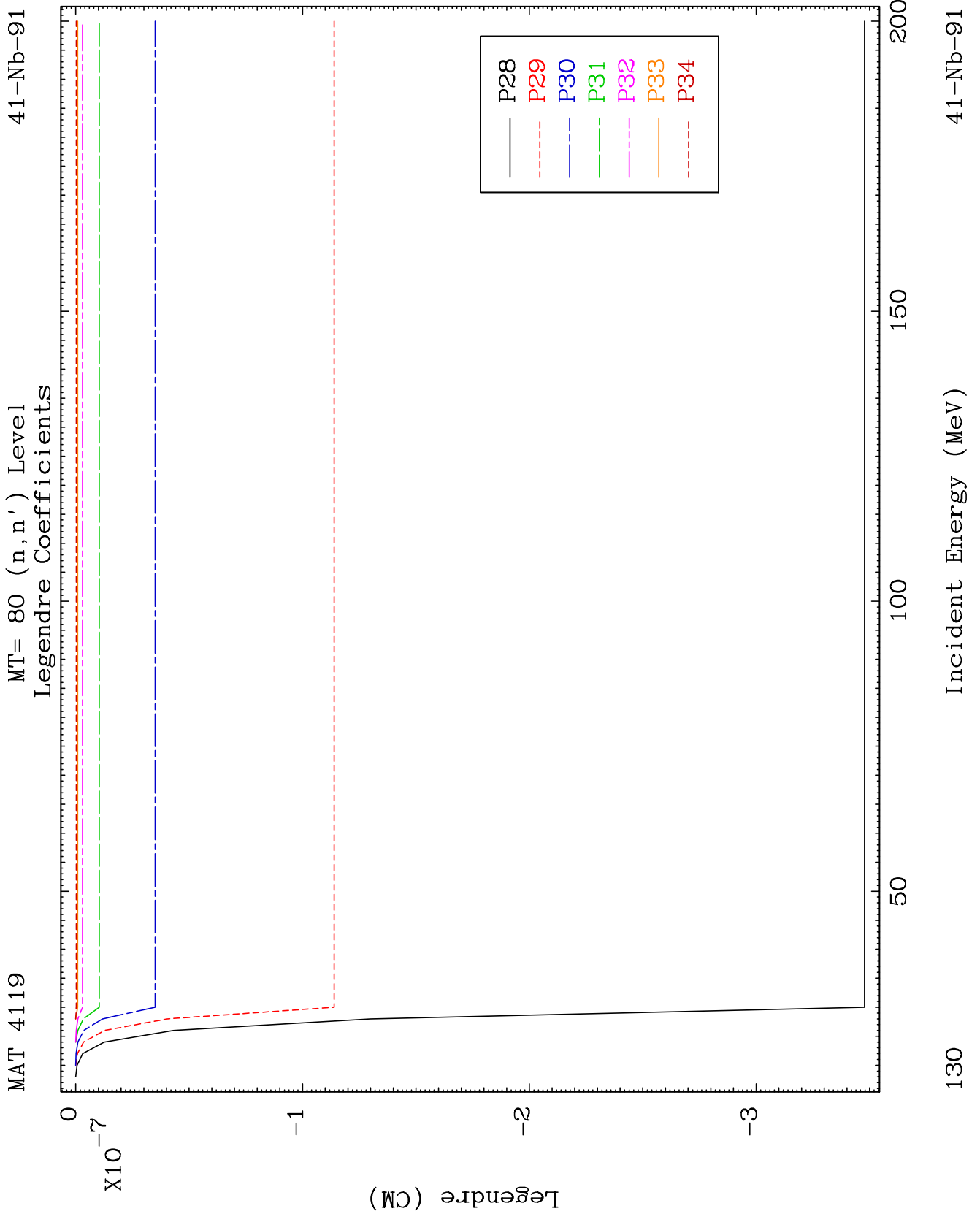
41-Nb-91



128

41-Nb-91

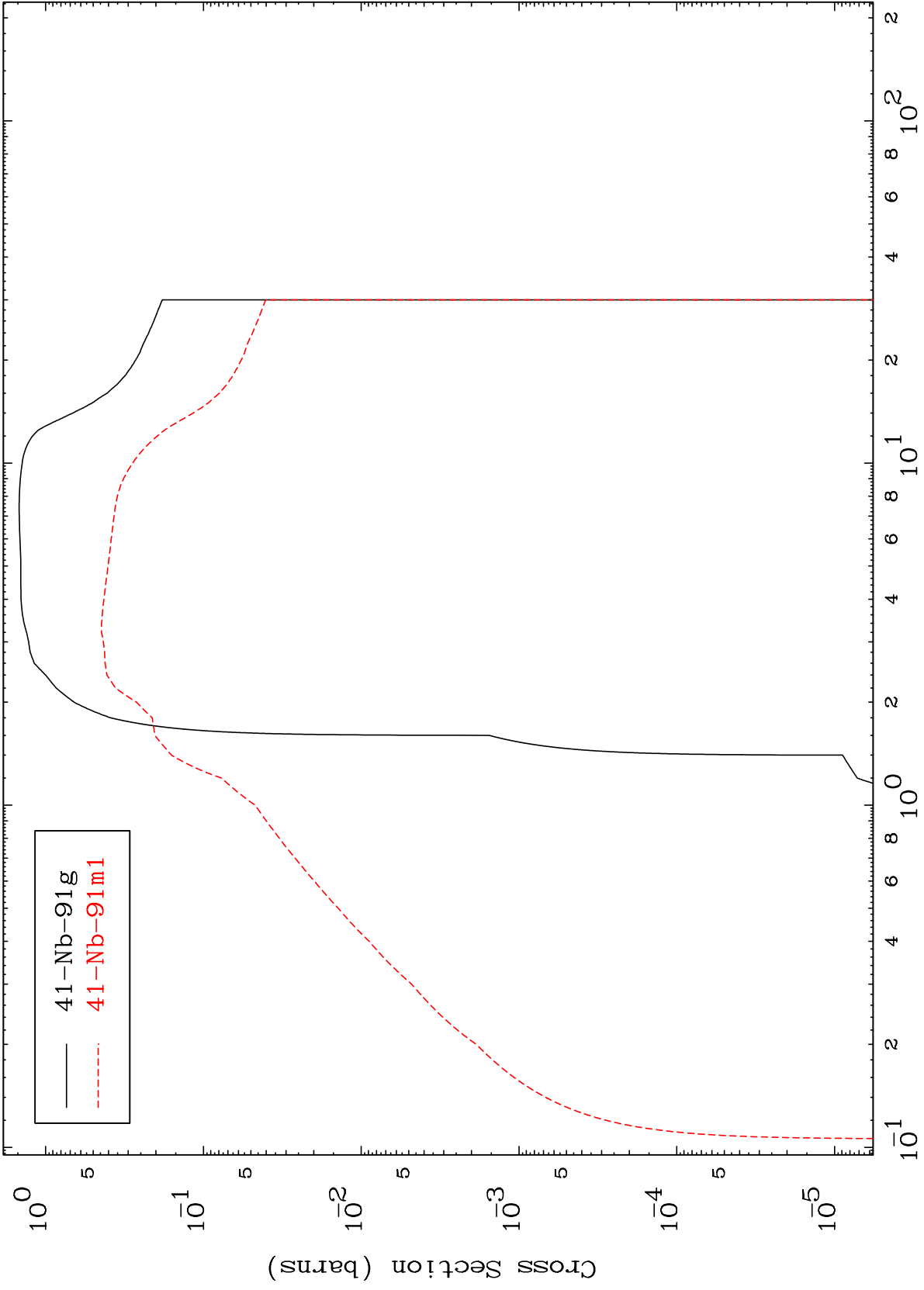




MAT 4119

41-Nb-91

Inelastic
Radionuclide Production Cross Section



41-Nb-91

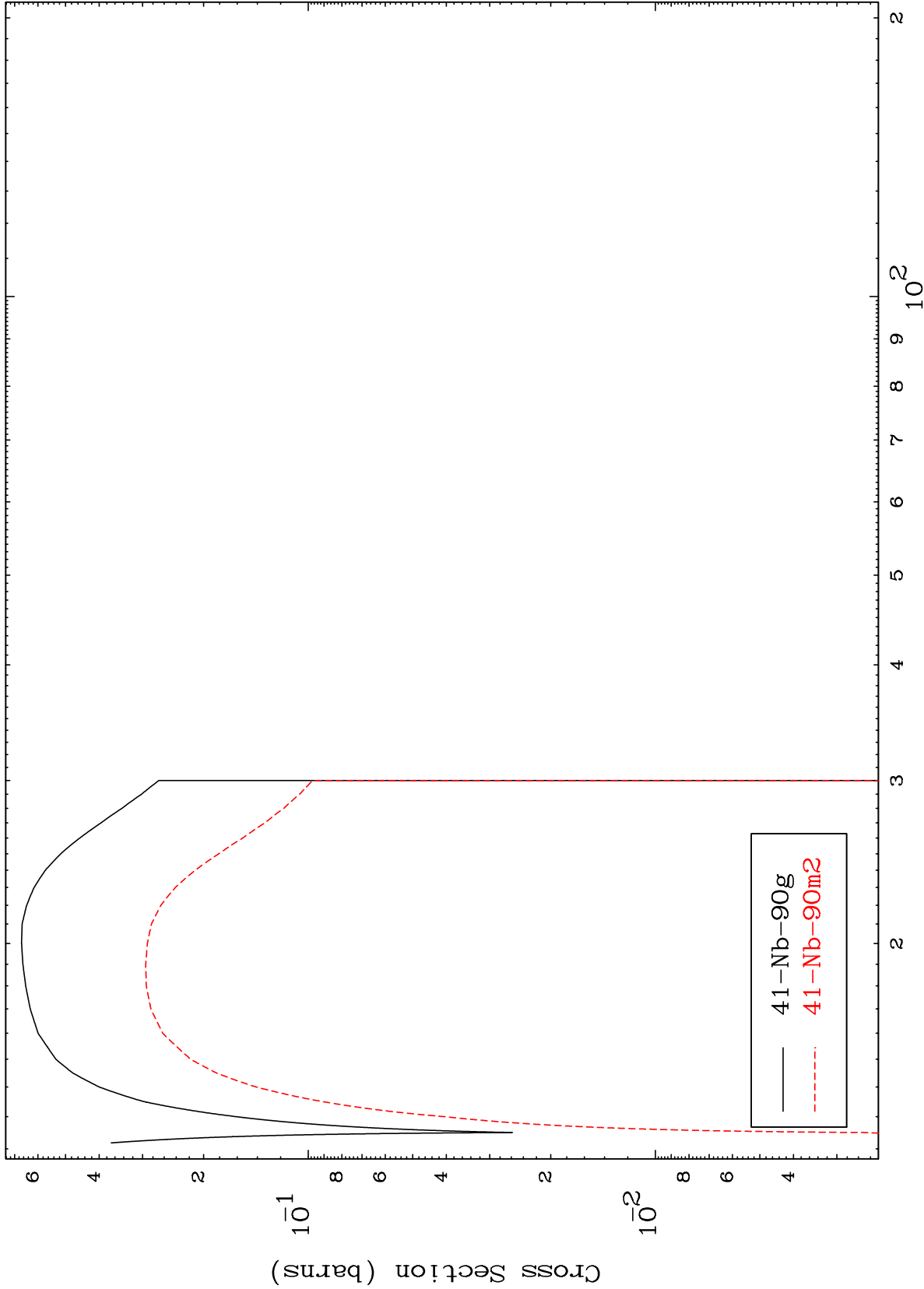
Incident Energy (MeV)

131

MAT 4119

41-Nb-91

(n,2n)
Radionuclide Production Cross Section



132

Incident Energy (MeV)

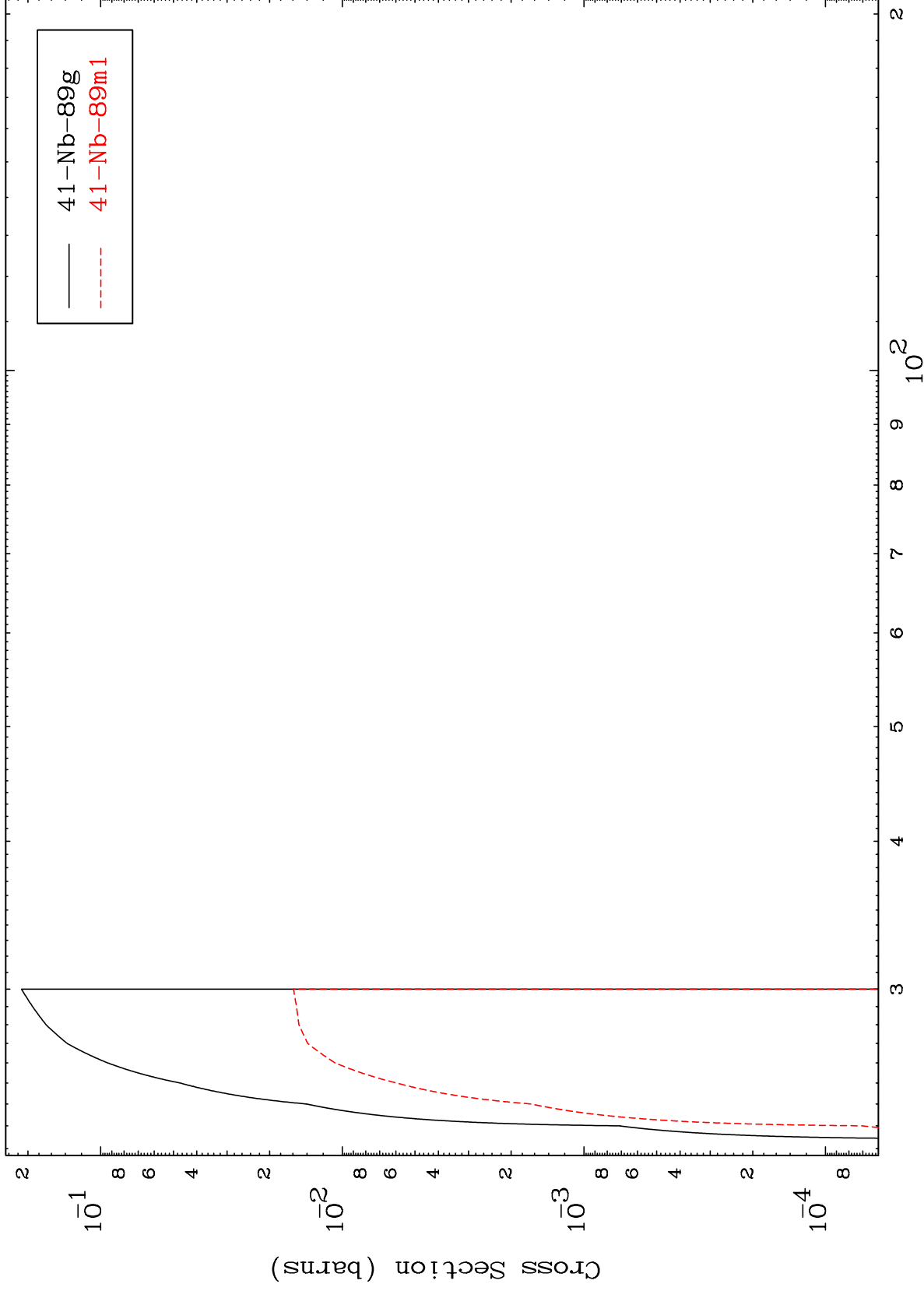
41-Nb-91

MAT 4119

(n,3n)

41-Nb-91

Radionuclide Production Cross Section



133

Incident Energy (MeV)

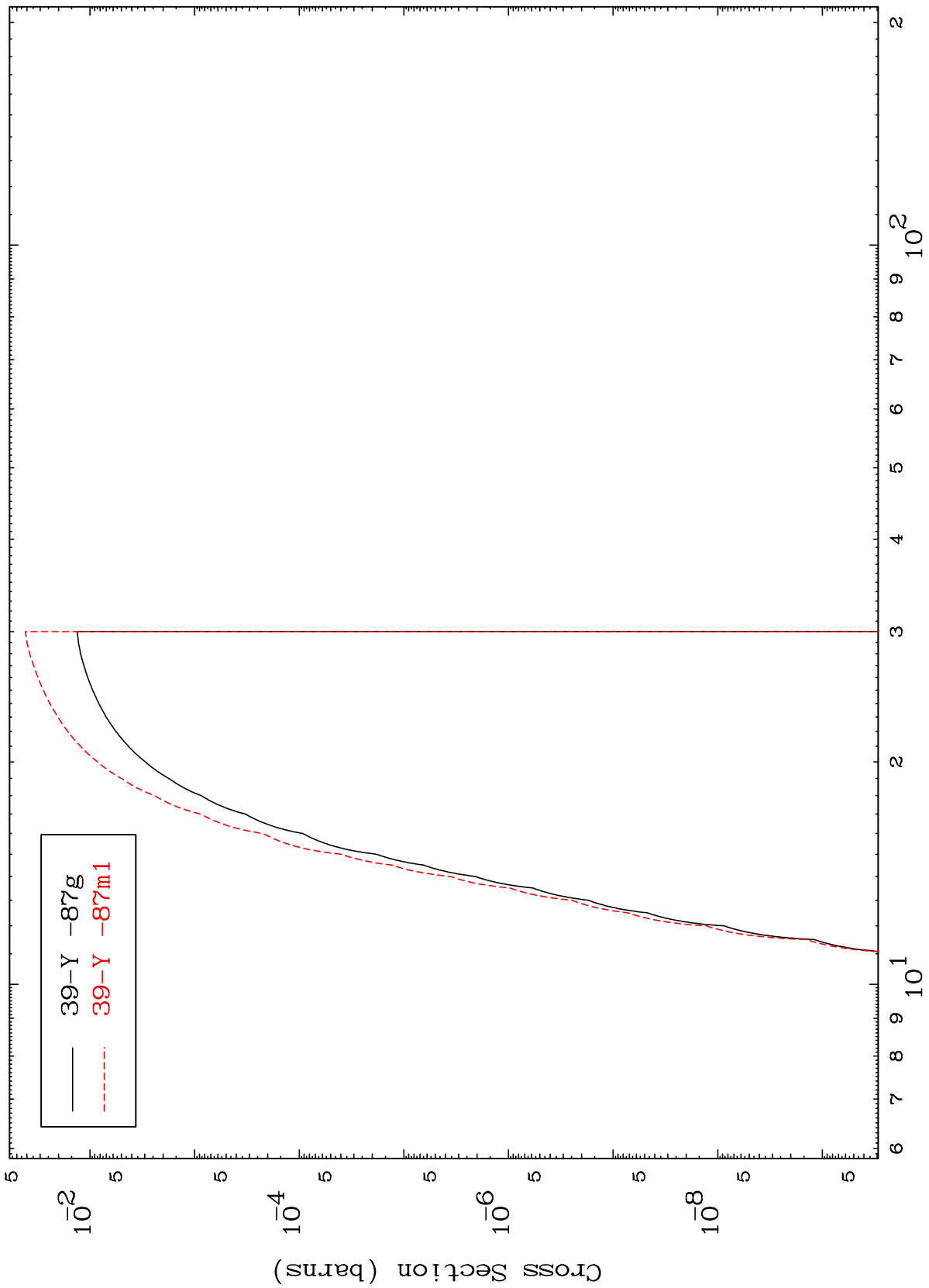
41-Nb-91

MAT 4119

(n,n') α

41-Nb-91

Radionuclide Production Cross Section



39-Y -87g
39-Y -87m1

134

Incident Energy (MeV)

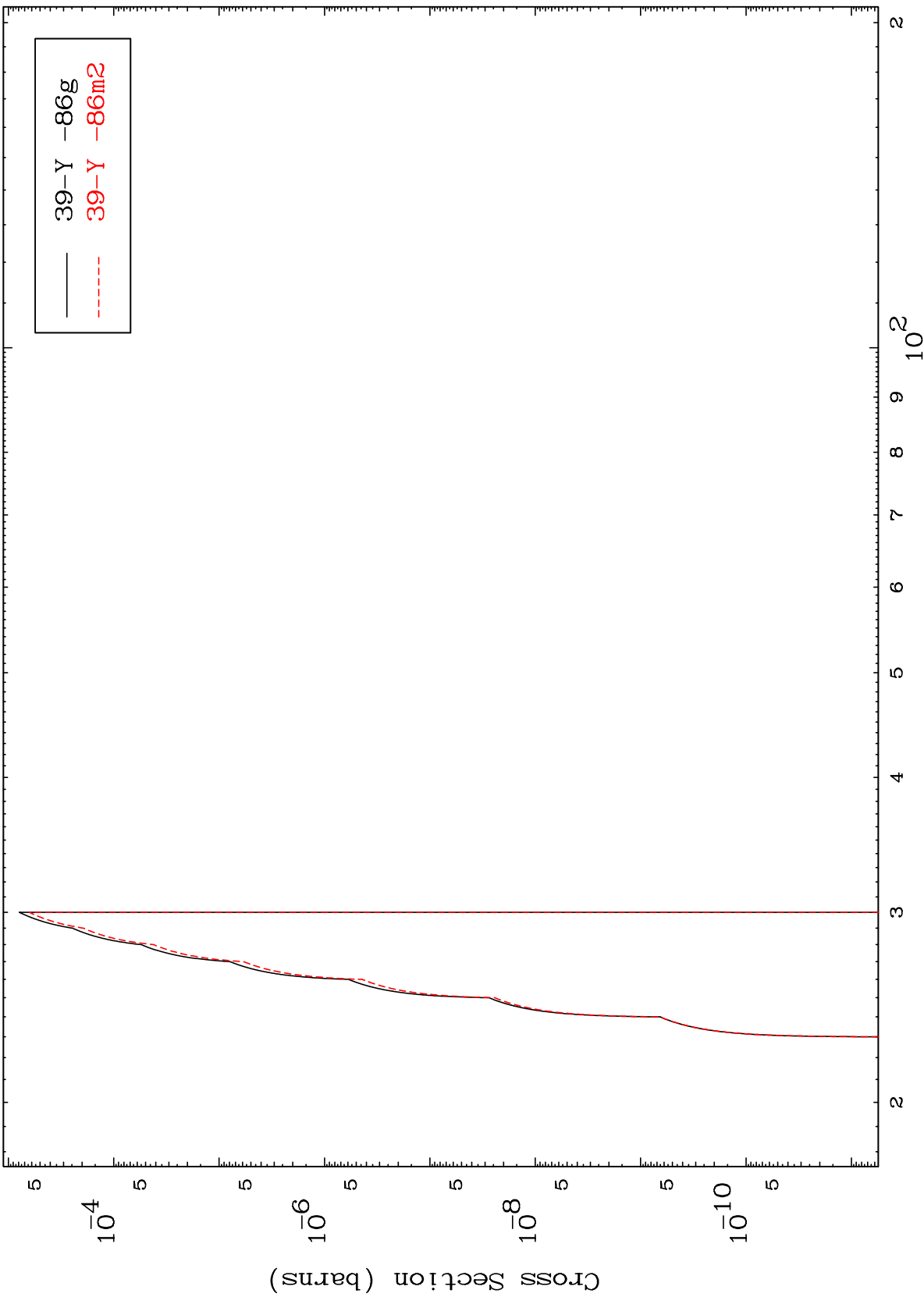
41-Nb-91

MAT 4119

(n,2n) α

41-Nb-91

Radionuclide Production Cross Section

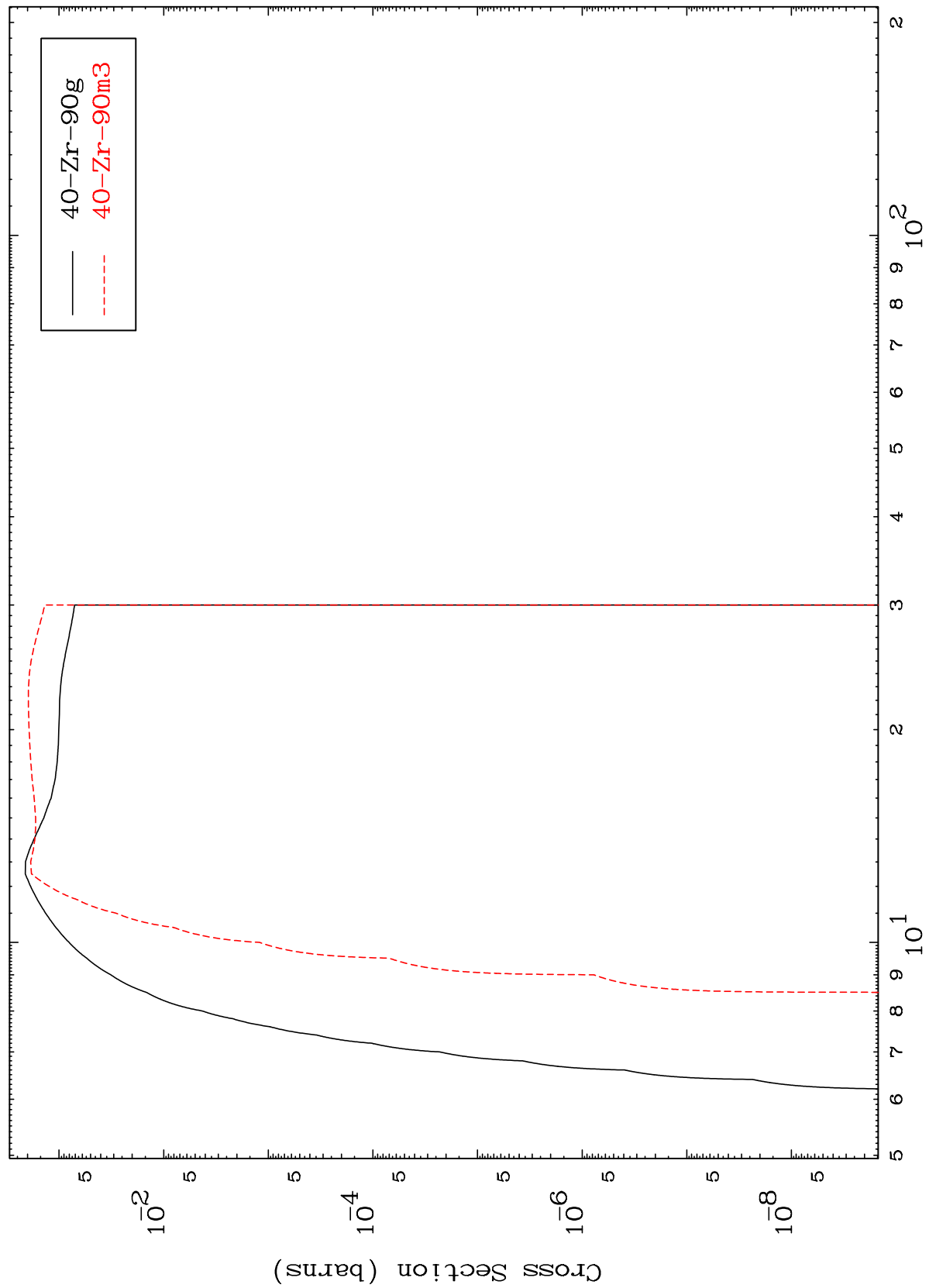


135

Incident Energy (MeV)

41-Nb-91

(n,n') p
Radionuclide Production Cross Section

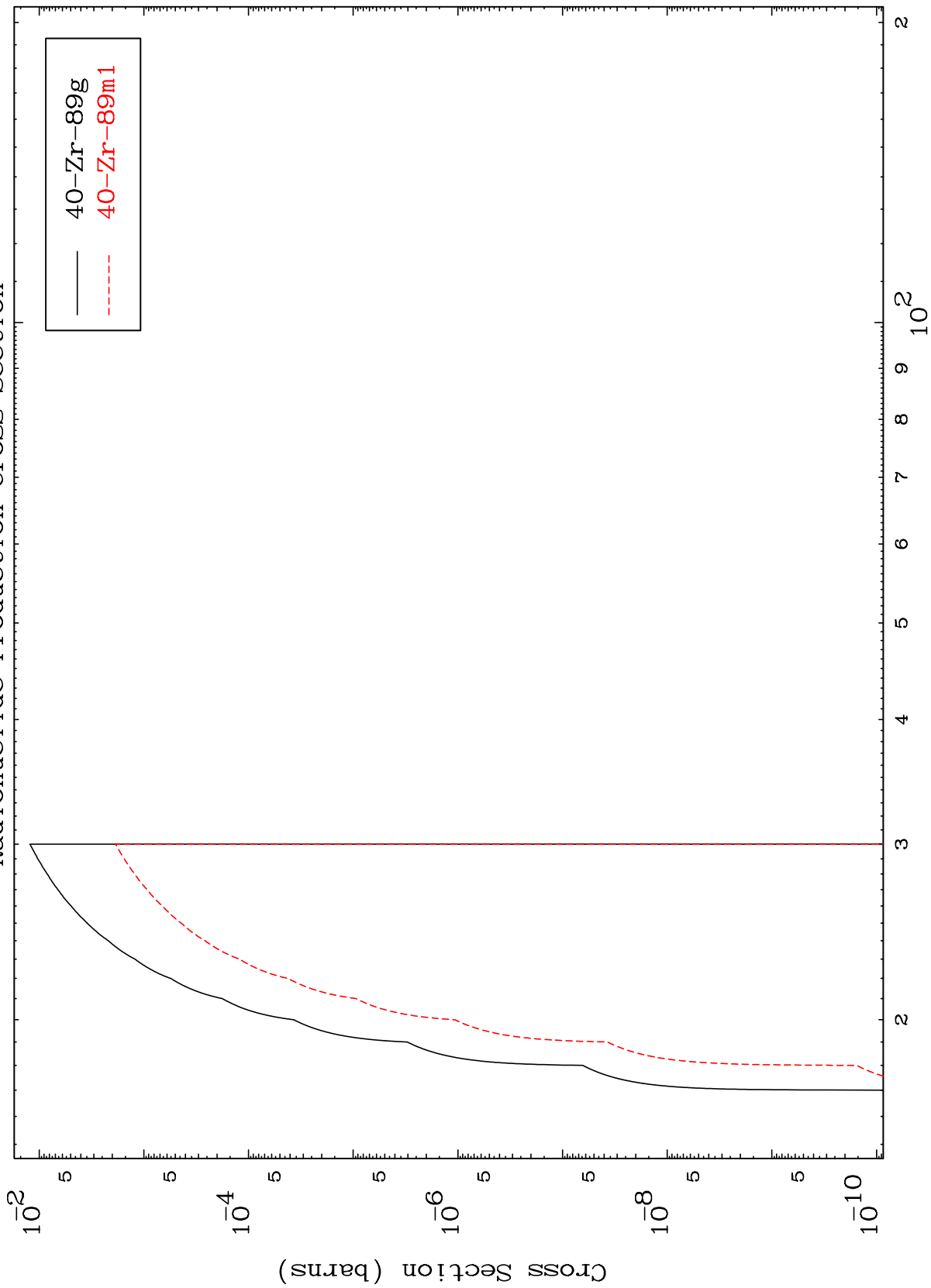


MAT 4119

(n,n') d

41-Nb-91

Radionuclide Production Cross Section

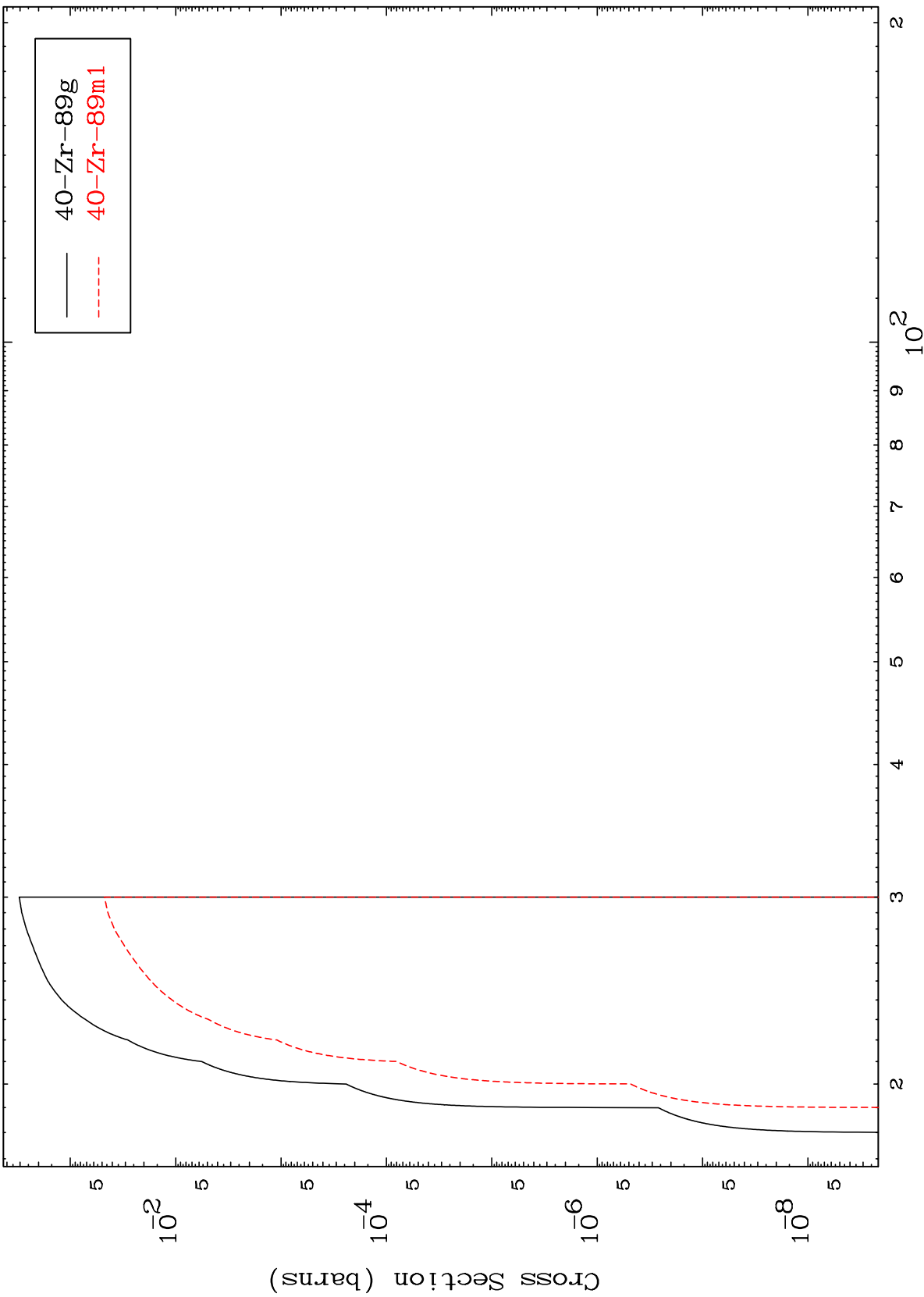


137

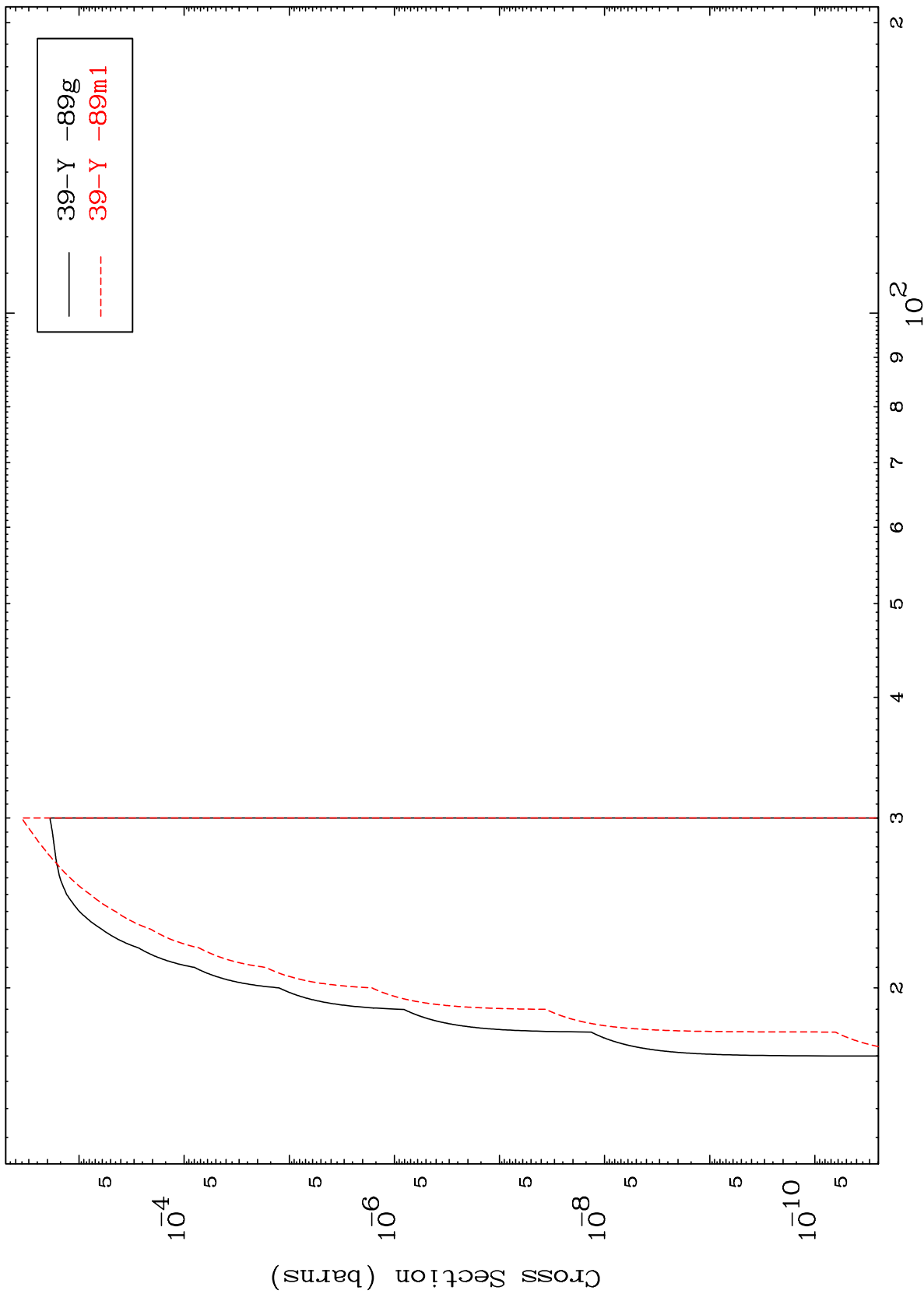
Incident Energy (MeV)

41-Nb-91

Radionuclide Production Cross Section



Radionuclide Production Cross Section

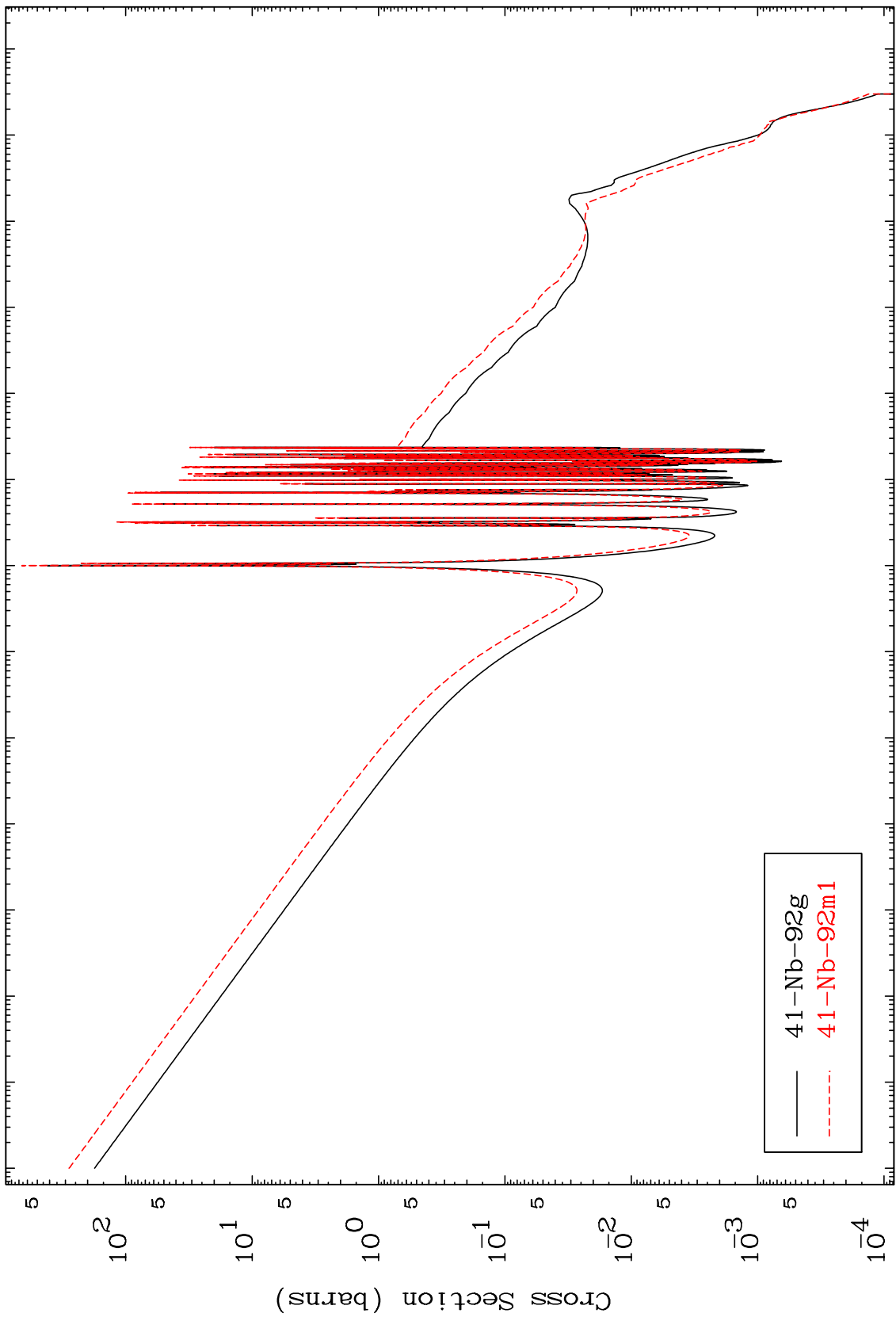


MAT 4119

41-Nb-91

Radionuclide Production Cross Section

(n, γ)



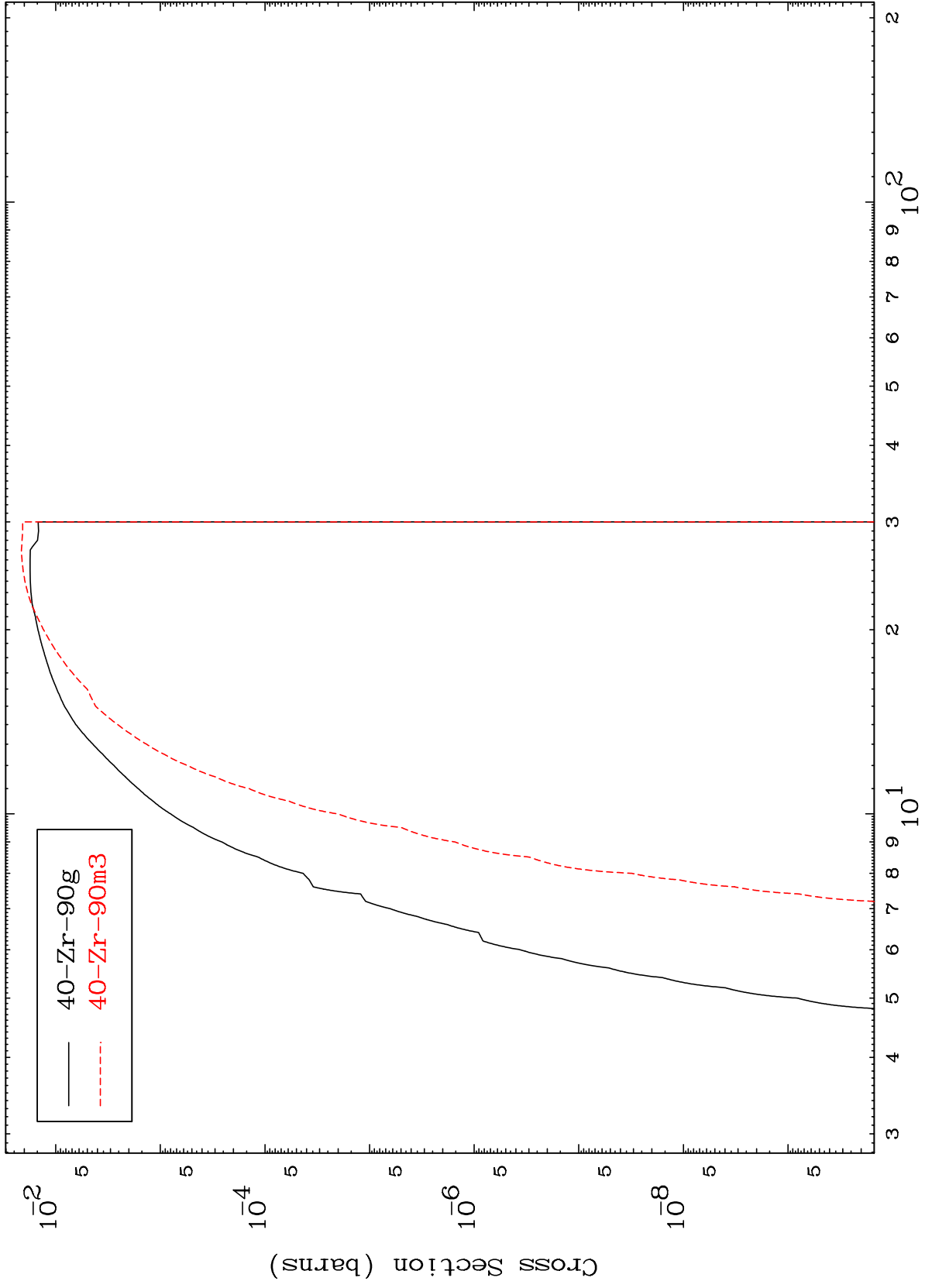
140

41-Nb-91

MAT 4119

41-Nb-91

(n,d)
Radionuclide Production Cross Section



141

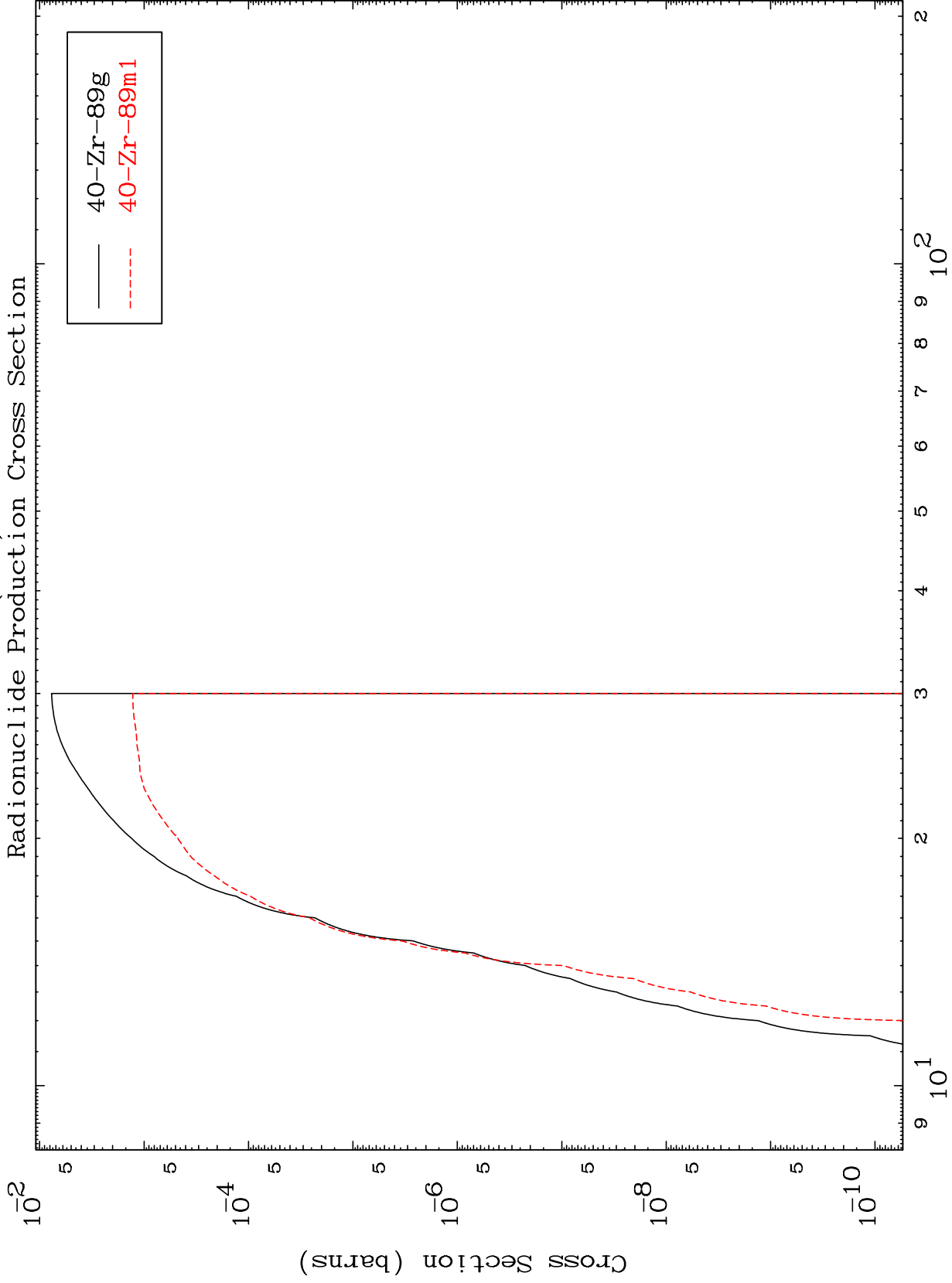
41-Nb-91

Incident Energy (MeV)

MAT 4119

41-Nb-91

(n,t)
Radionuclide Production Cross Section



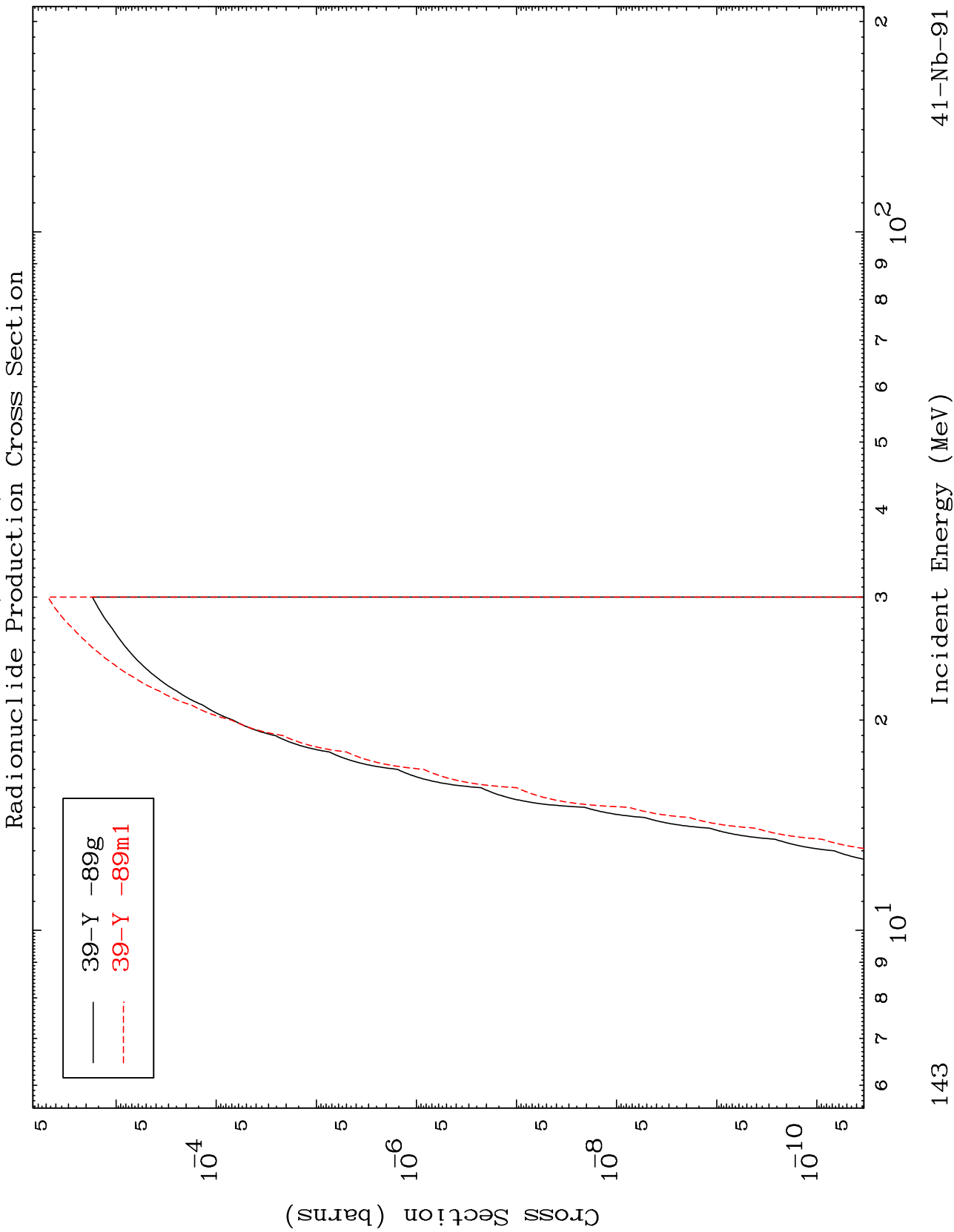
142

Incident Energy (MeV)

41-Nb-91

MAT 4119

41-Nb-91



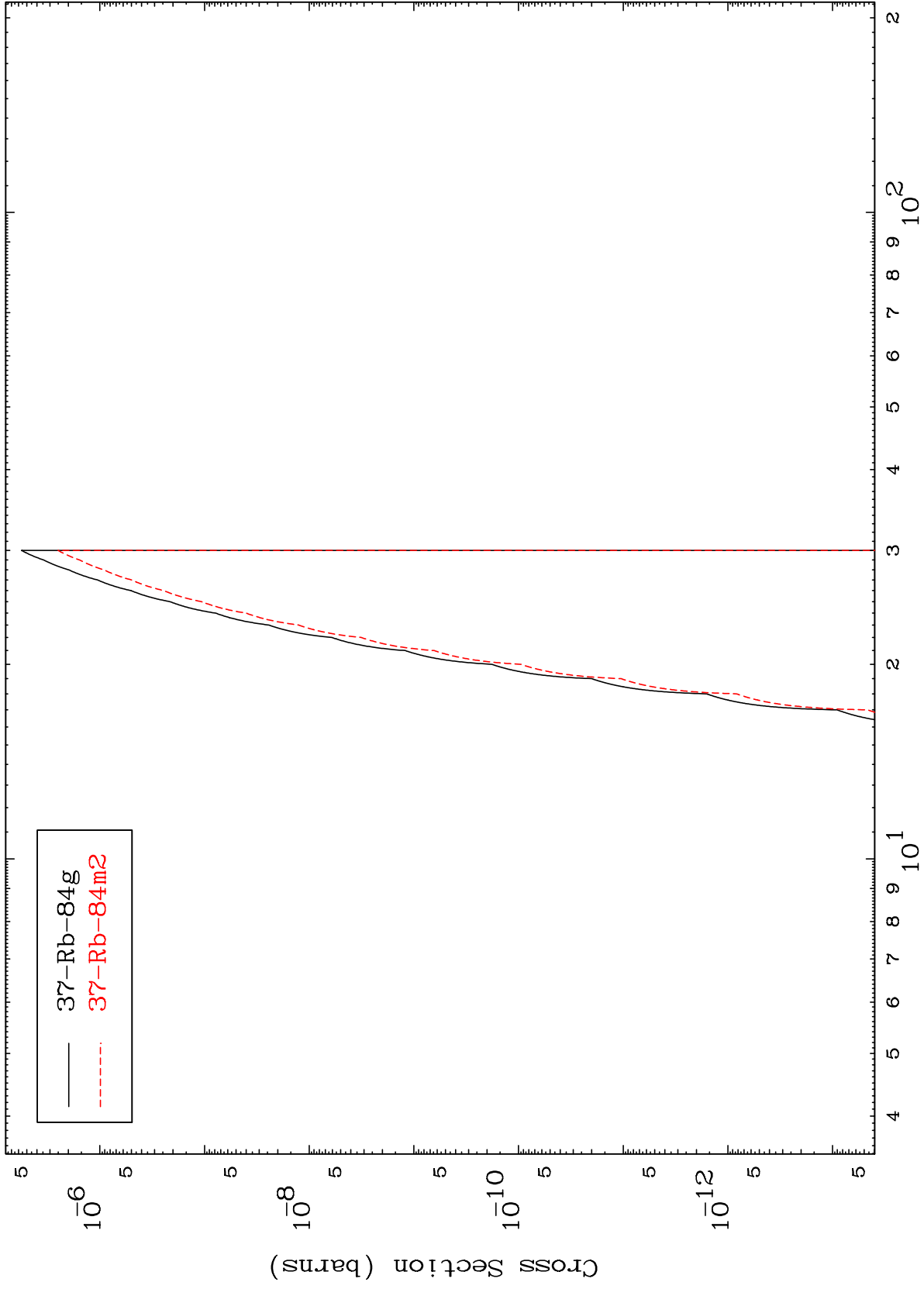
— 39-Y -89g
- - - 39-Y -89m1

143

MAT 4119

41-Nb-91

(n,2α)
Radionuclide Production Cross Section



— 37-Rb-84g
- - - 37-Rb-84m2

144

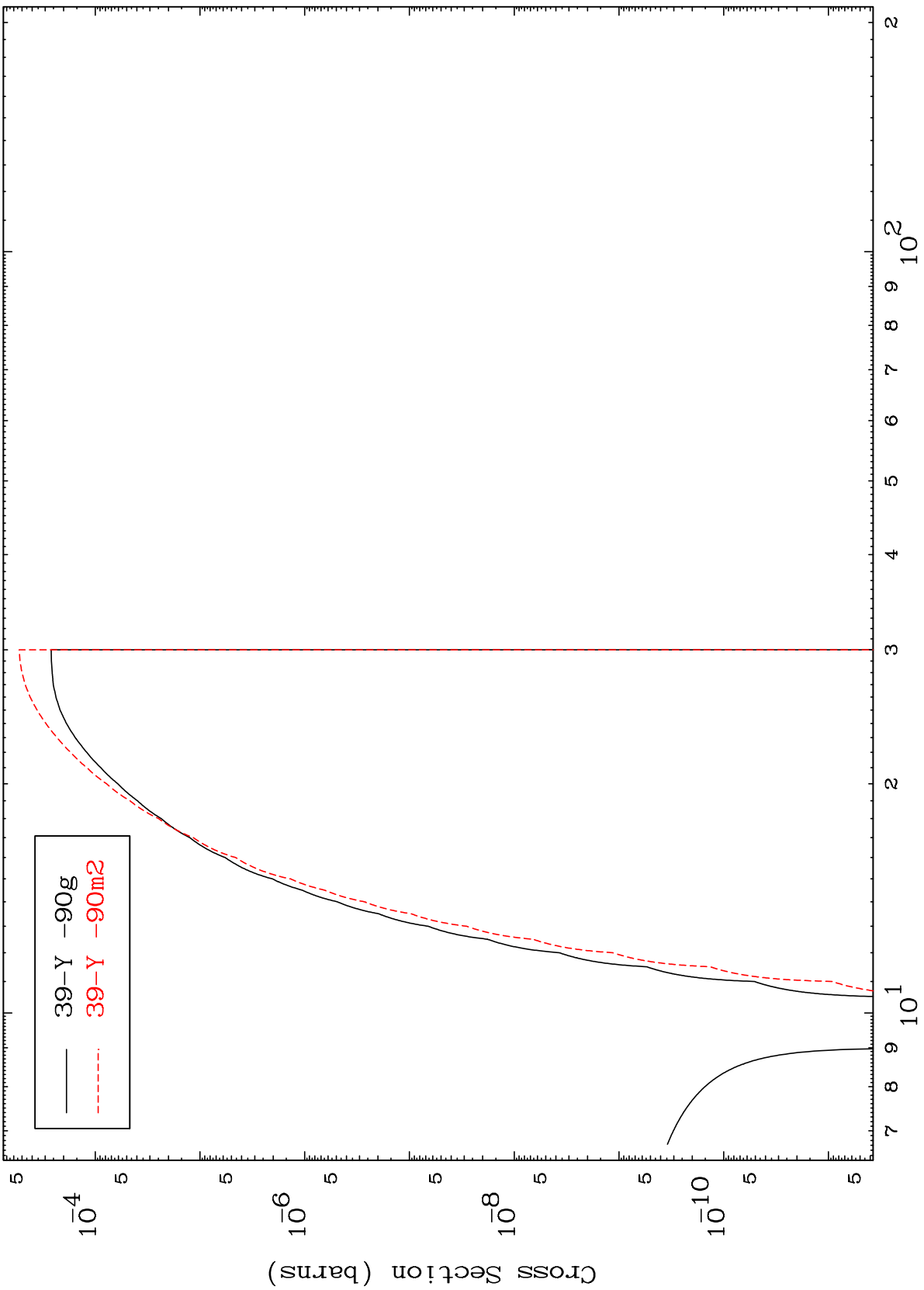
Incident Energy (MeV)

41-Nb-91

MAT 4119

41-Nb-91

(n,2p)
Radionuclide Production Cross Section



145

Incident Energy (MeV)

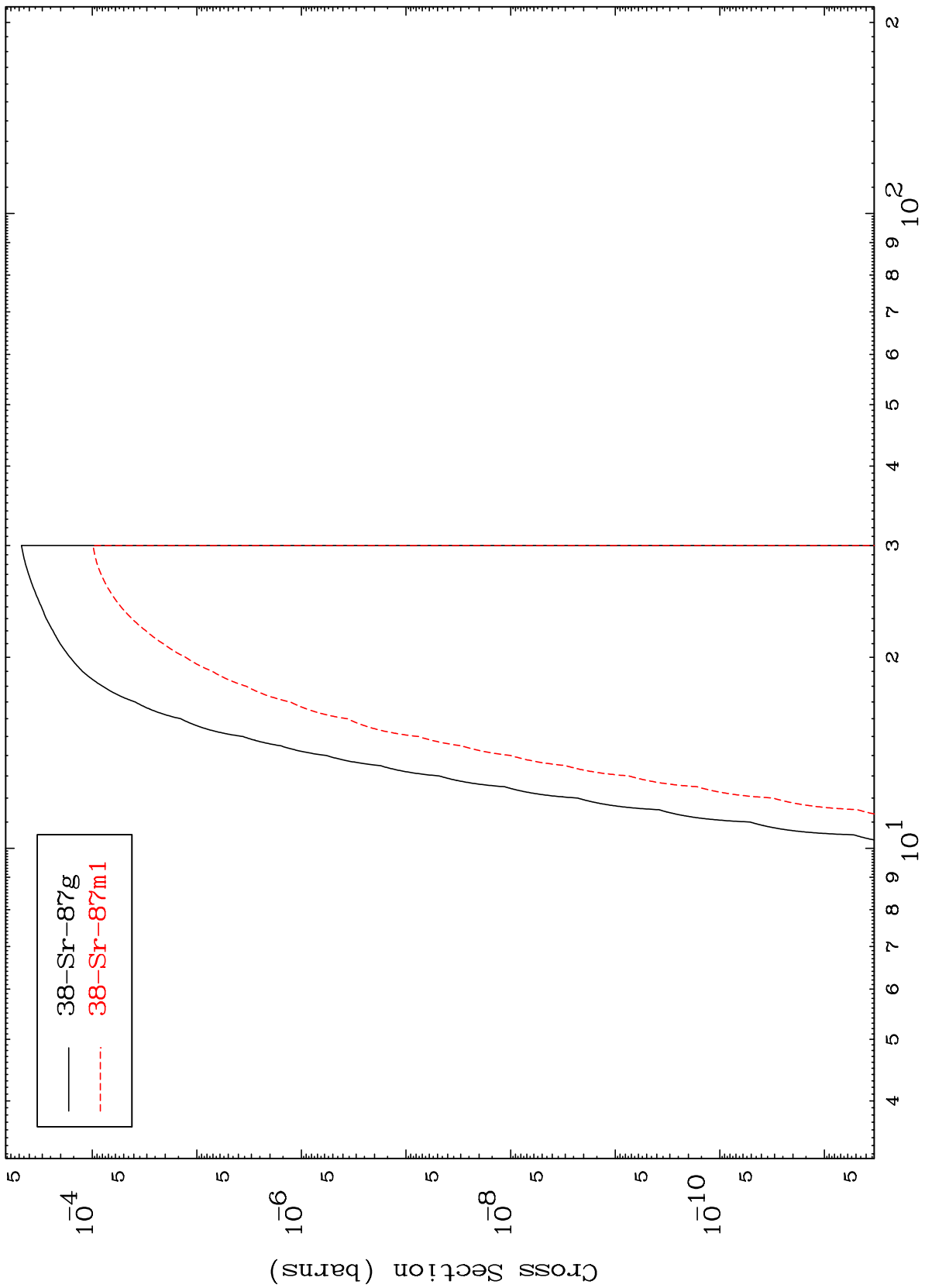
41-Nb-91

MAT 4119

(n,p) α

41-Nb-91

Radionuclide Production Cross Section



146

Incident Energy (MeV)

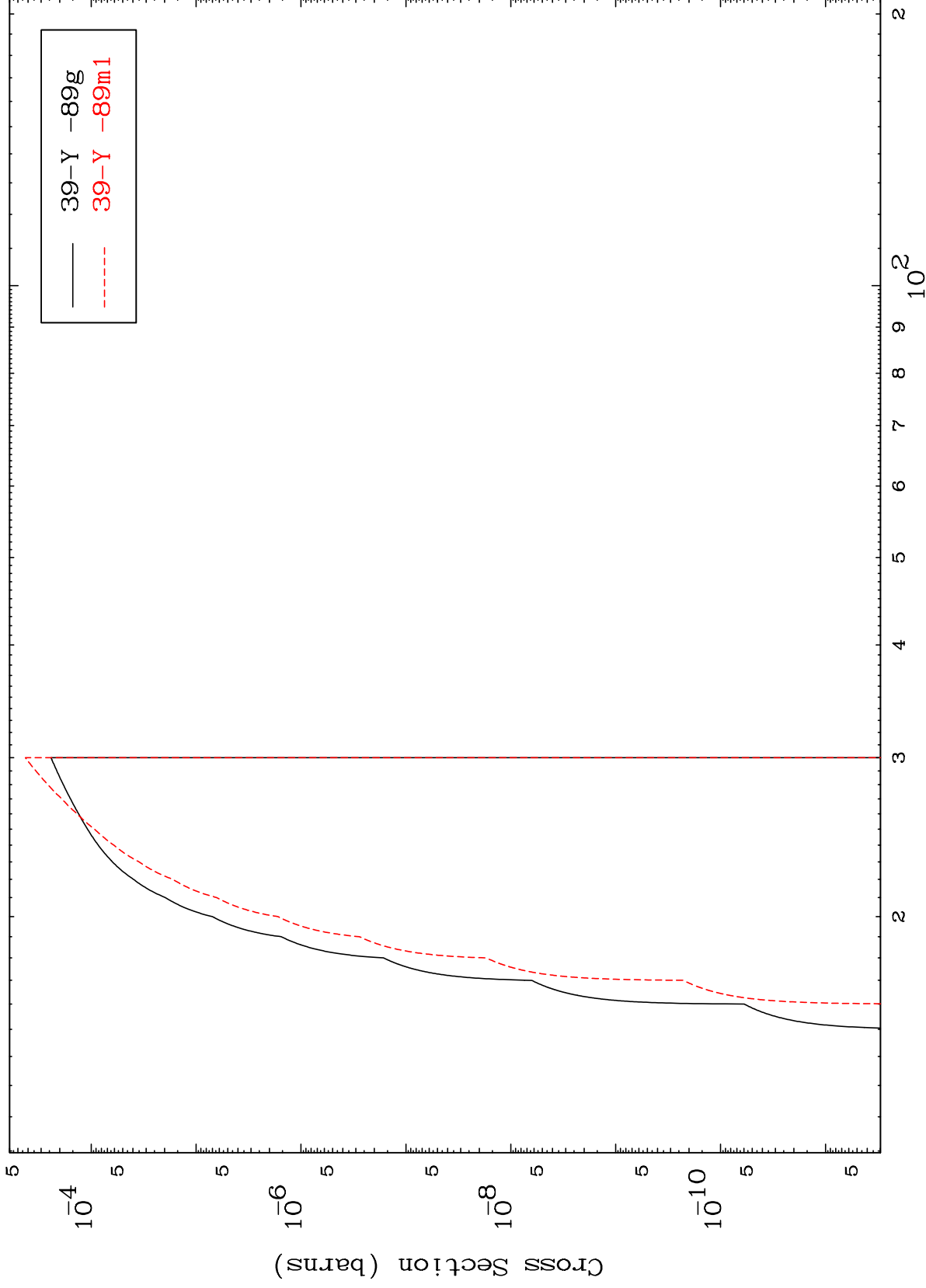
41-Nb-91

MAT 4119

(n,p) d

41-Nb-91

Radionuclide Production Cross Section



147

Incident Energy (MeV)

41-Nb-91