

Program EVALPLOT
(Version 2017-1)

by

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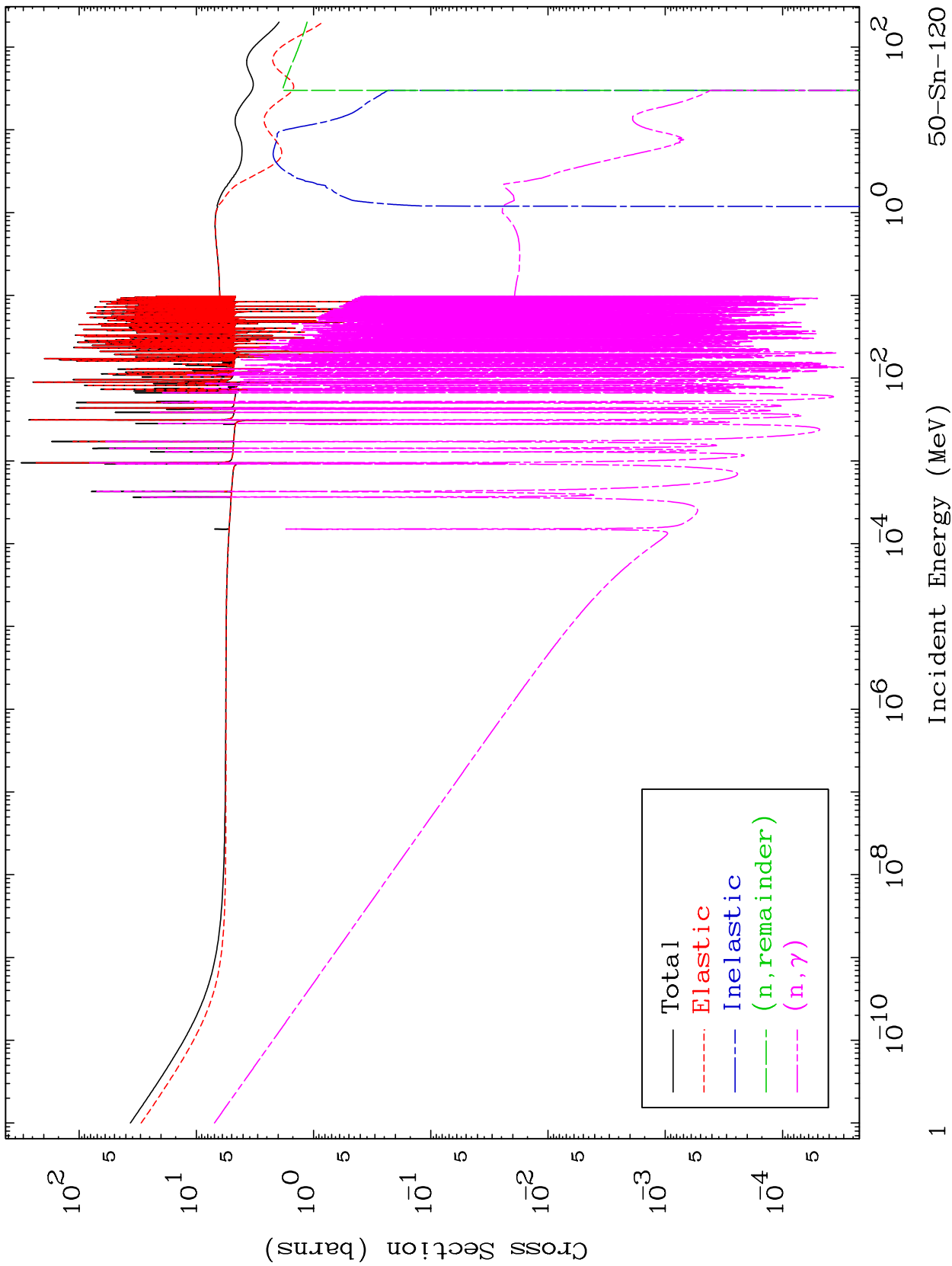
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5049

Major
293 Kelvin Cross Sections

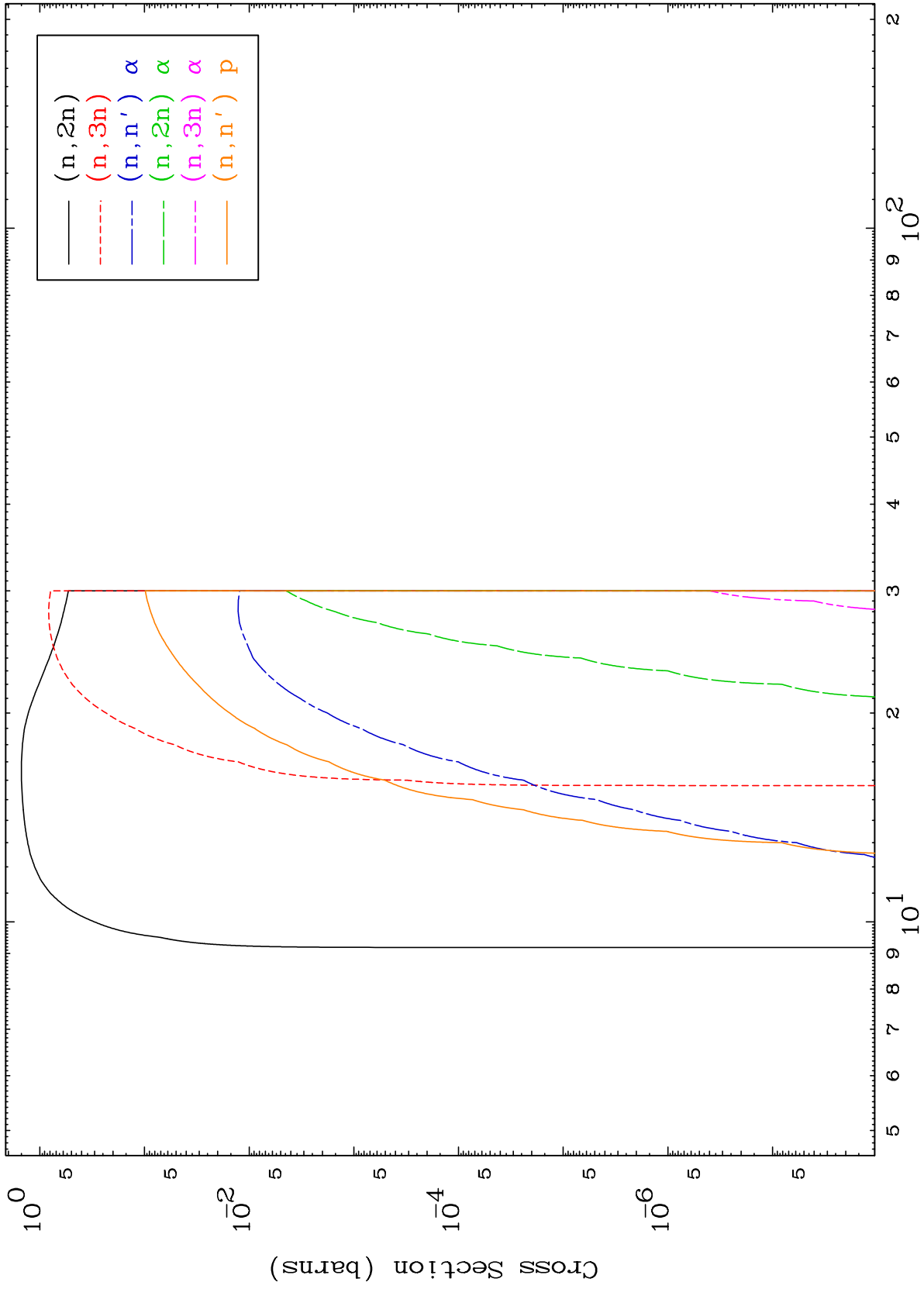
50-Sn-120



MAT 5049

Neutron Production
293 Kelvin Cross Sections

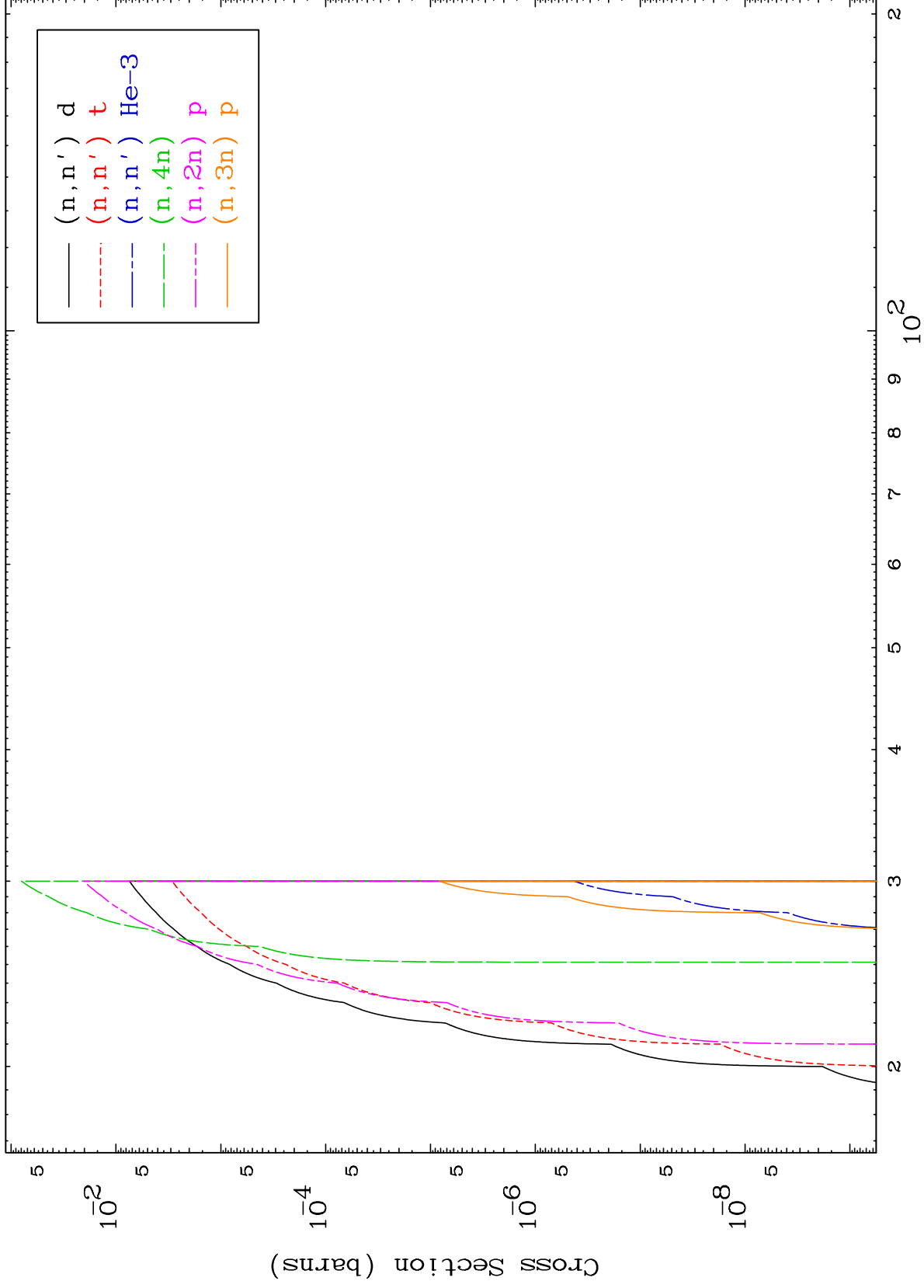
50-Sn-120



MAT 5049

Neutron Production
293 Kelvin Cross Sections

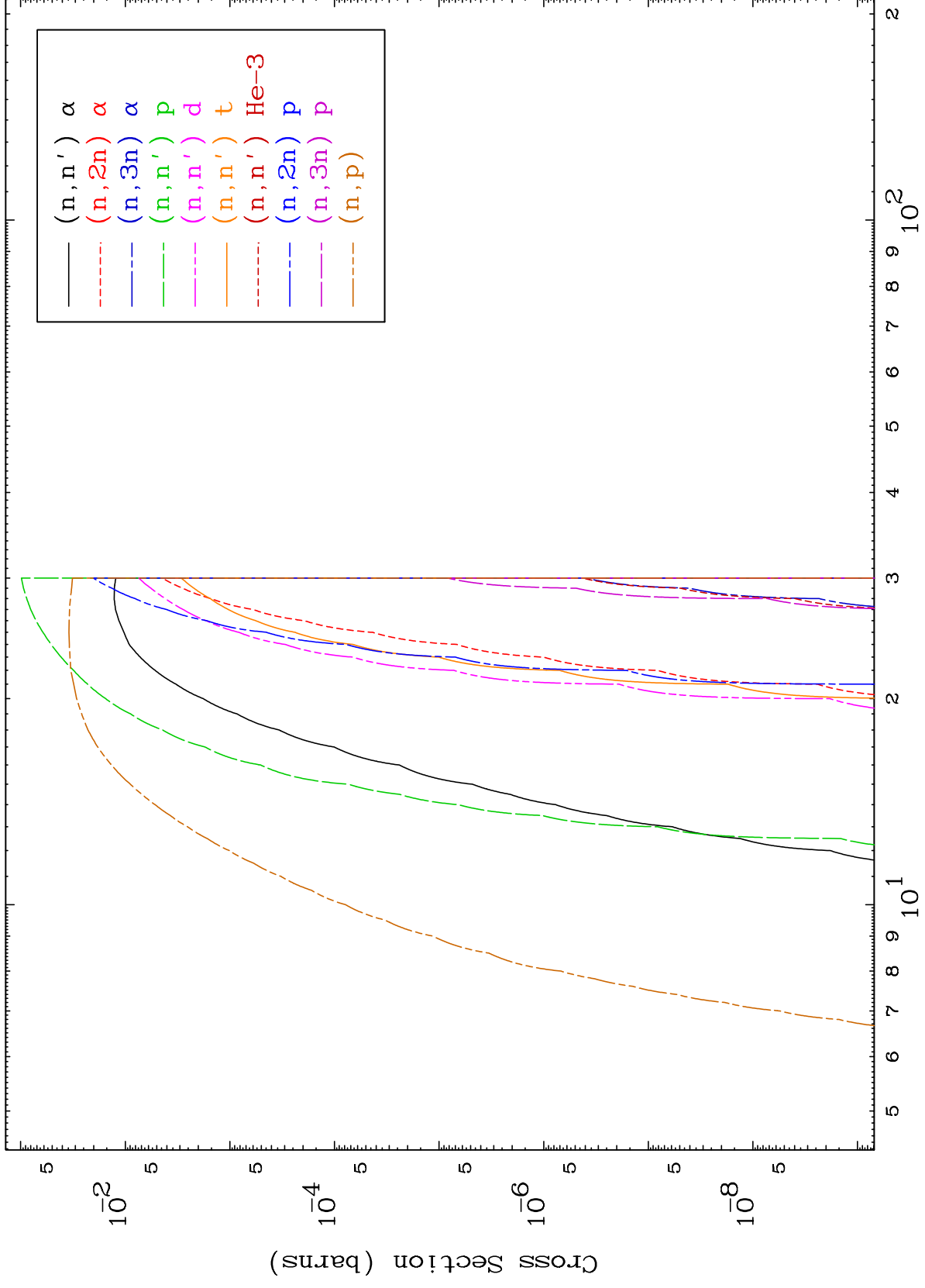
50-Sn-120



3

Incident Energy (MeV)

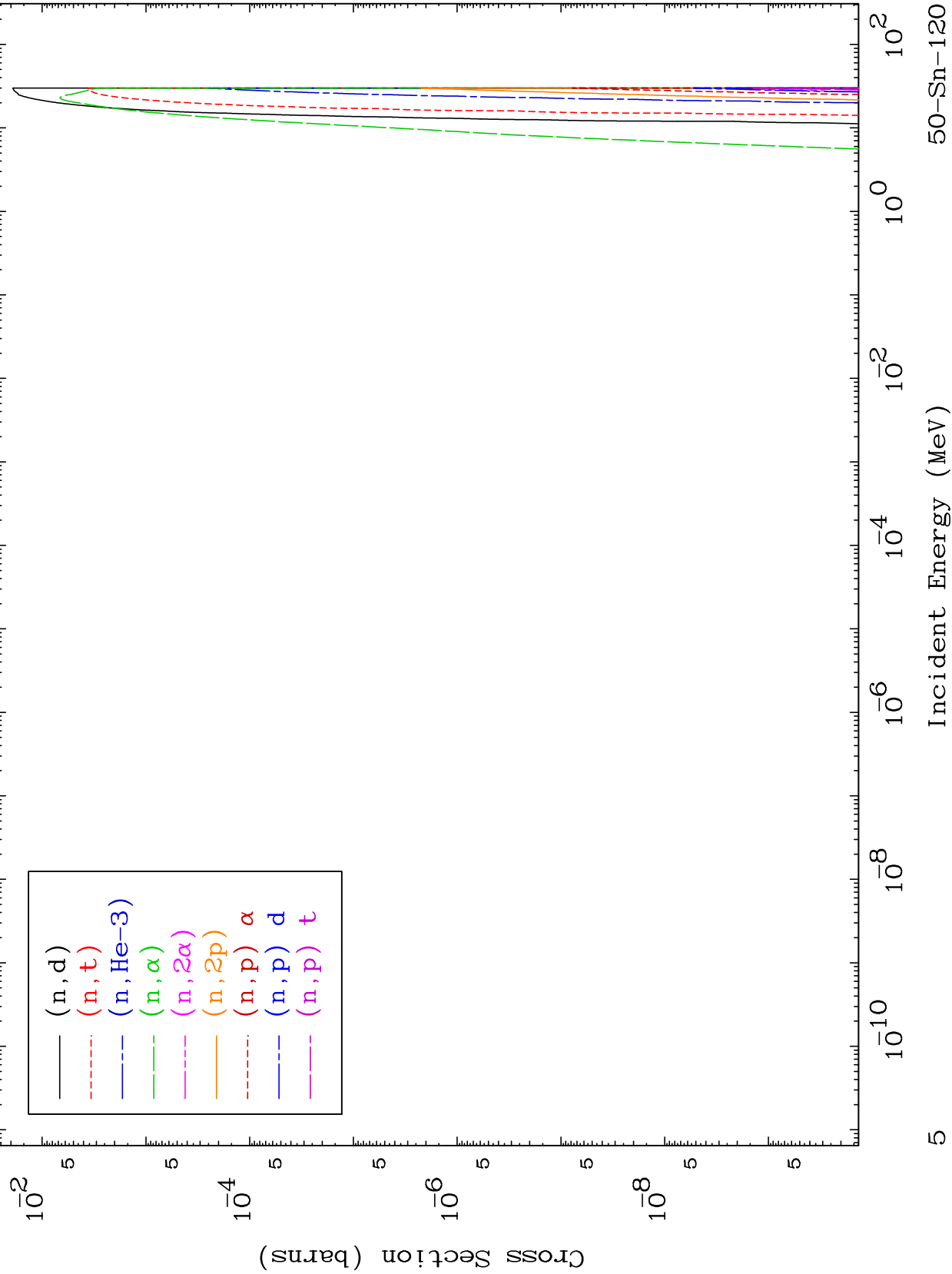
50-Sn-120



MAT 5049

Charged Particle
293 Kelvin Cross Sections

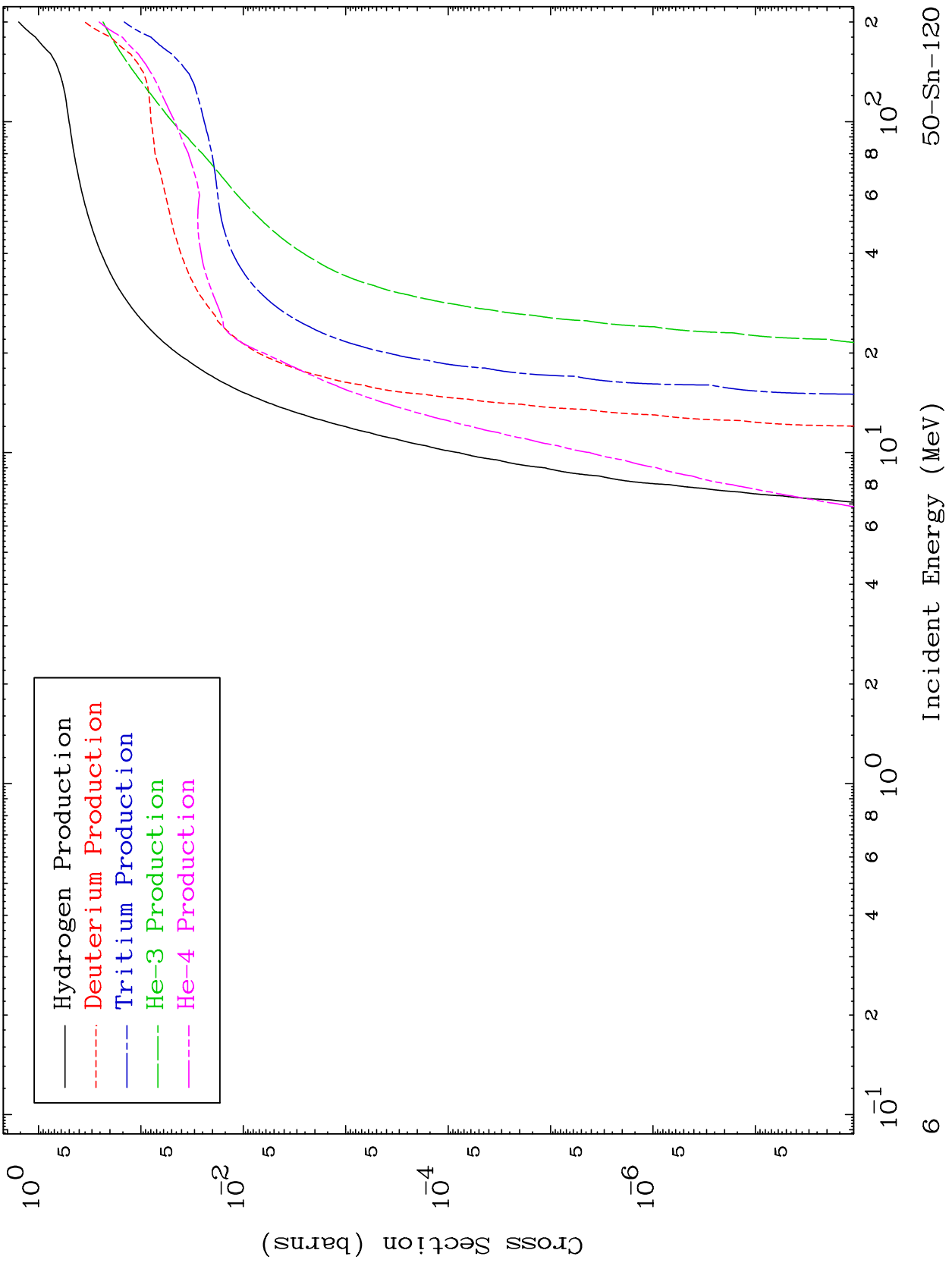
50-Sn-120



MAT 5049

Particle Production
293 Kelvin Cross Sections

50-Sn-120



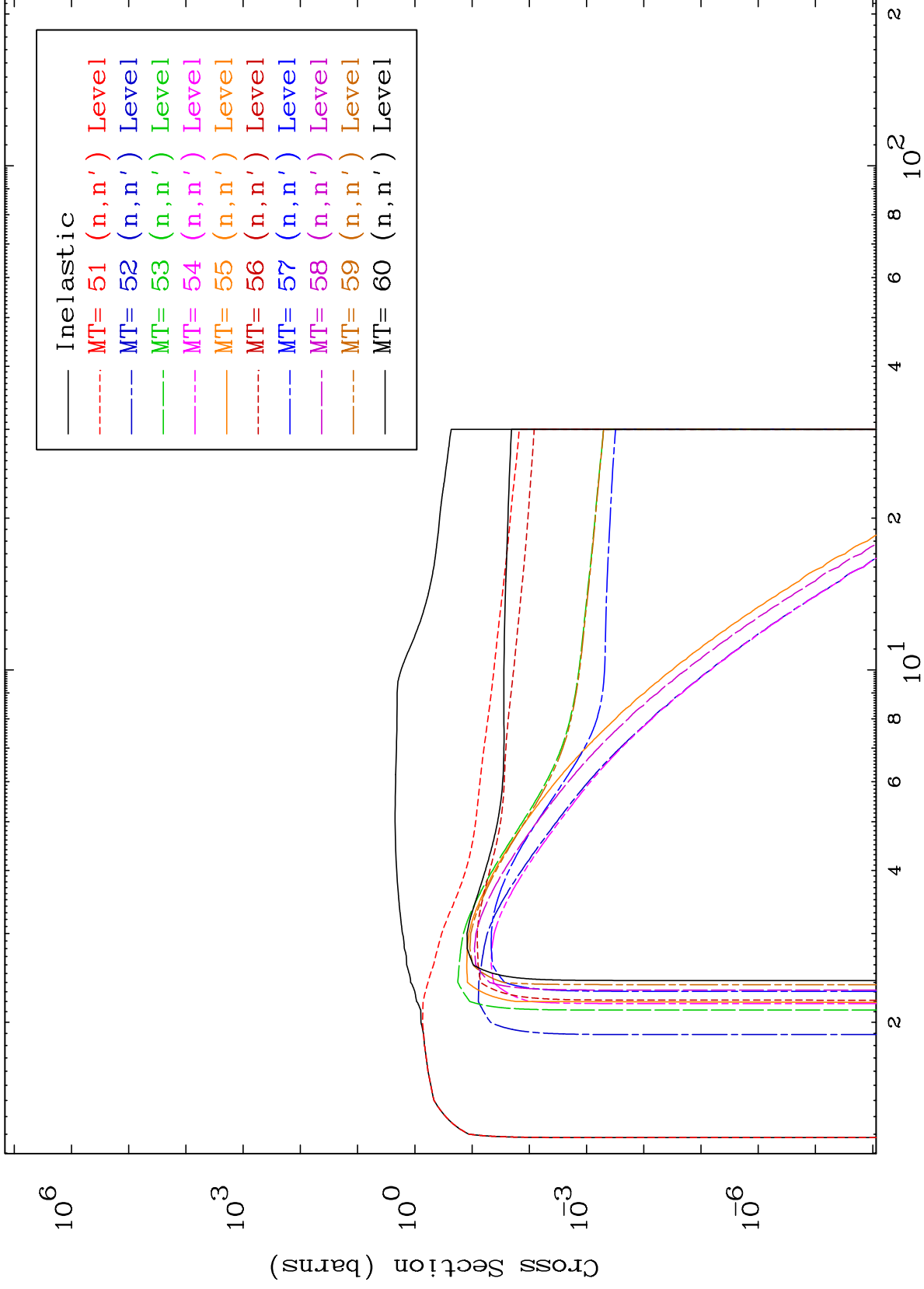
50-Sn-120

MAT 5049

(n,n') Level

50-Sn-120

293 Kelvin Cross Sections

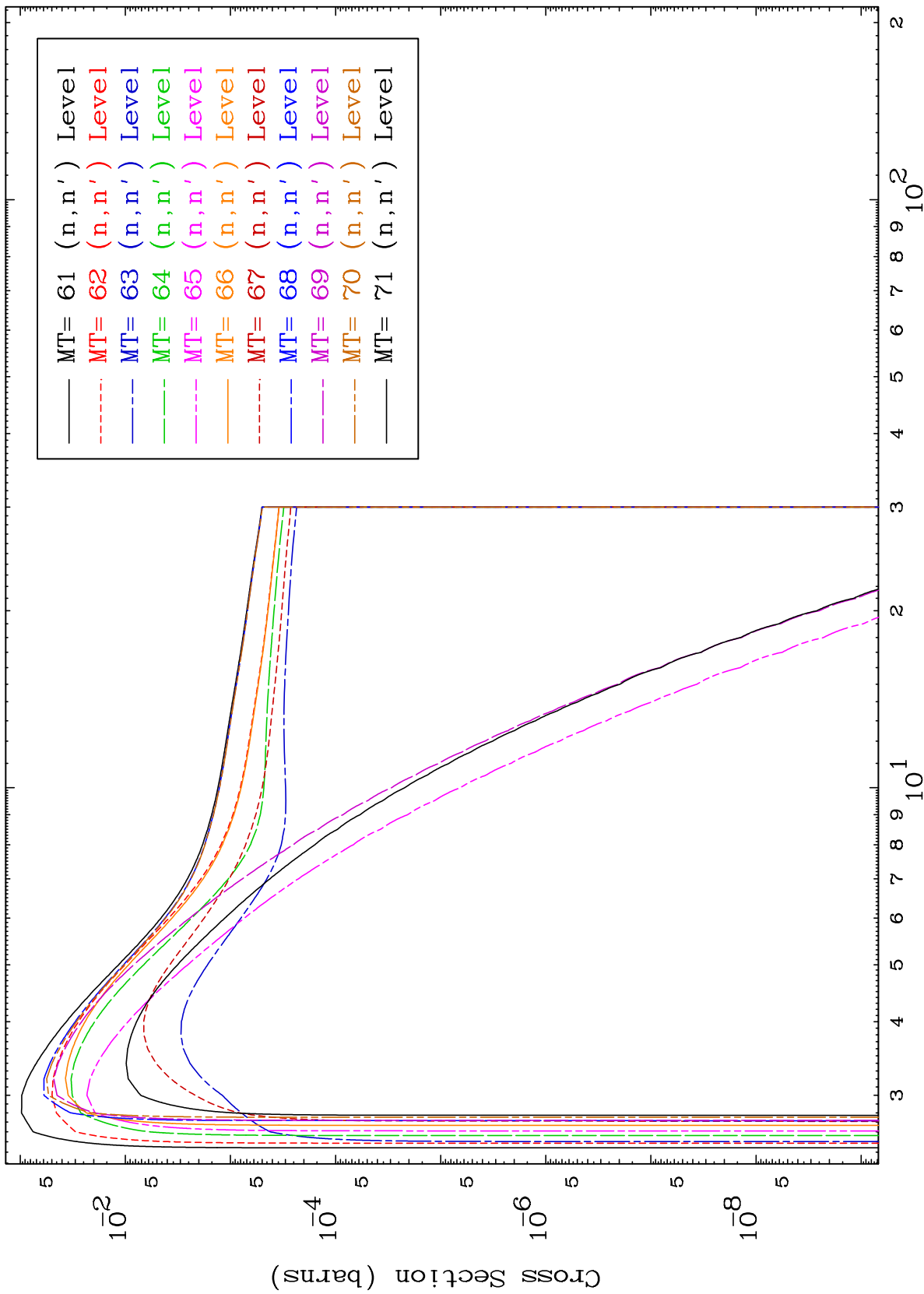


MAT 5049

(n,n') Level

50-Sn-120

293 Kelvin Cross Sections



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Incident Energy (MeV)

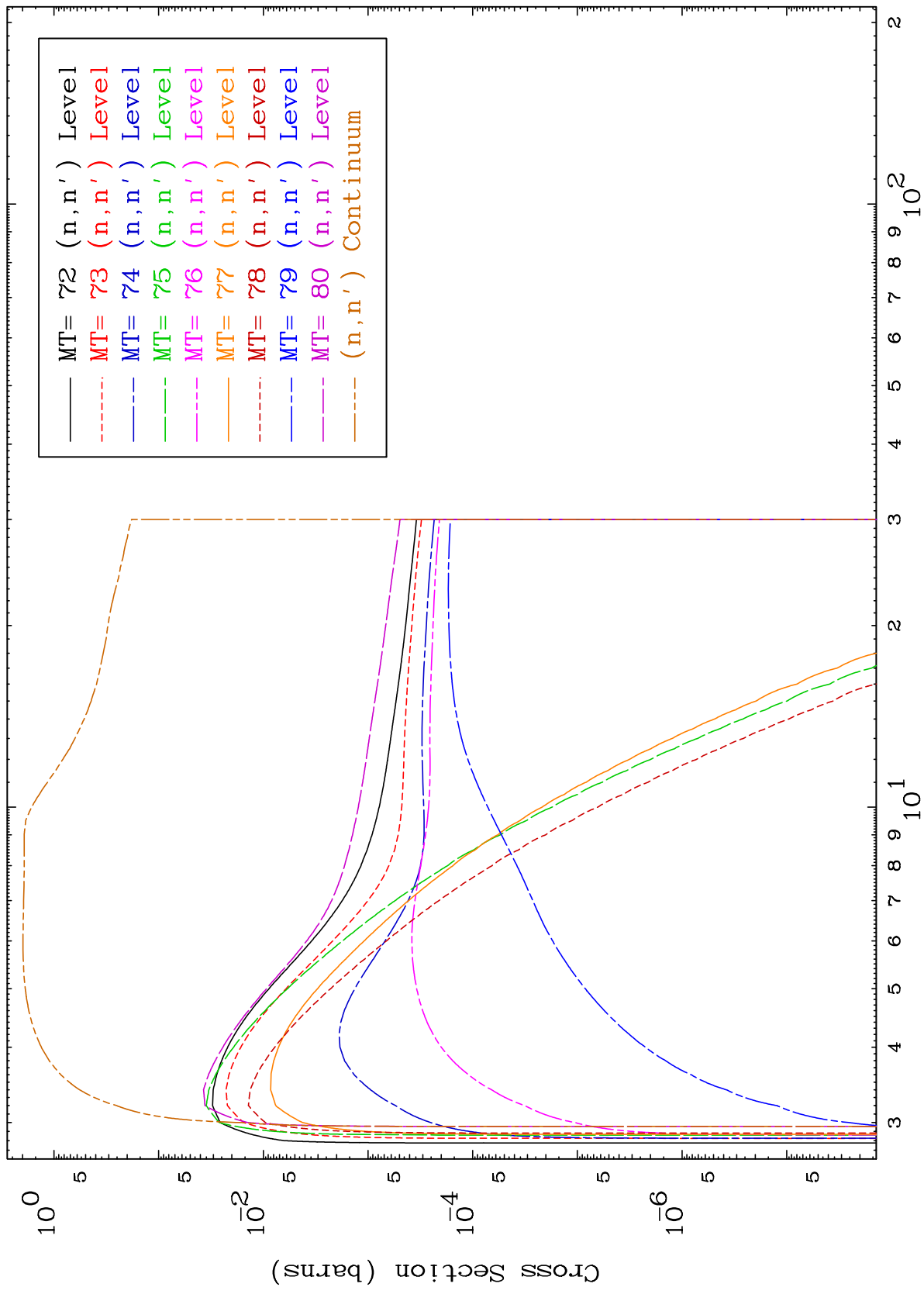
50-Sn-120

MAT 5049

(n,n') Level

50-Sn-120

293 Kelvin Cross Sections



9

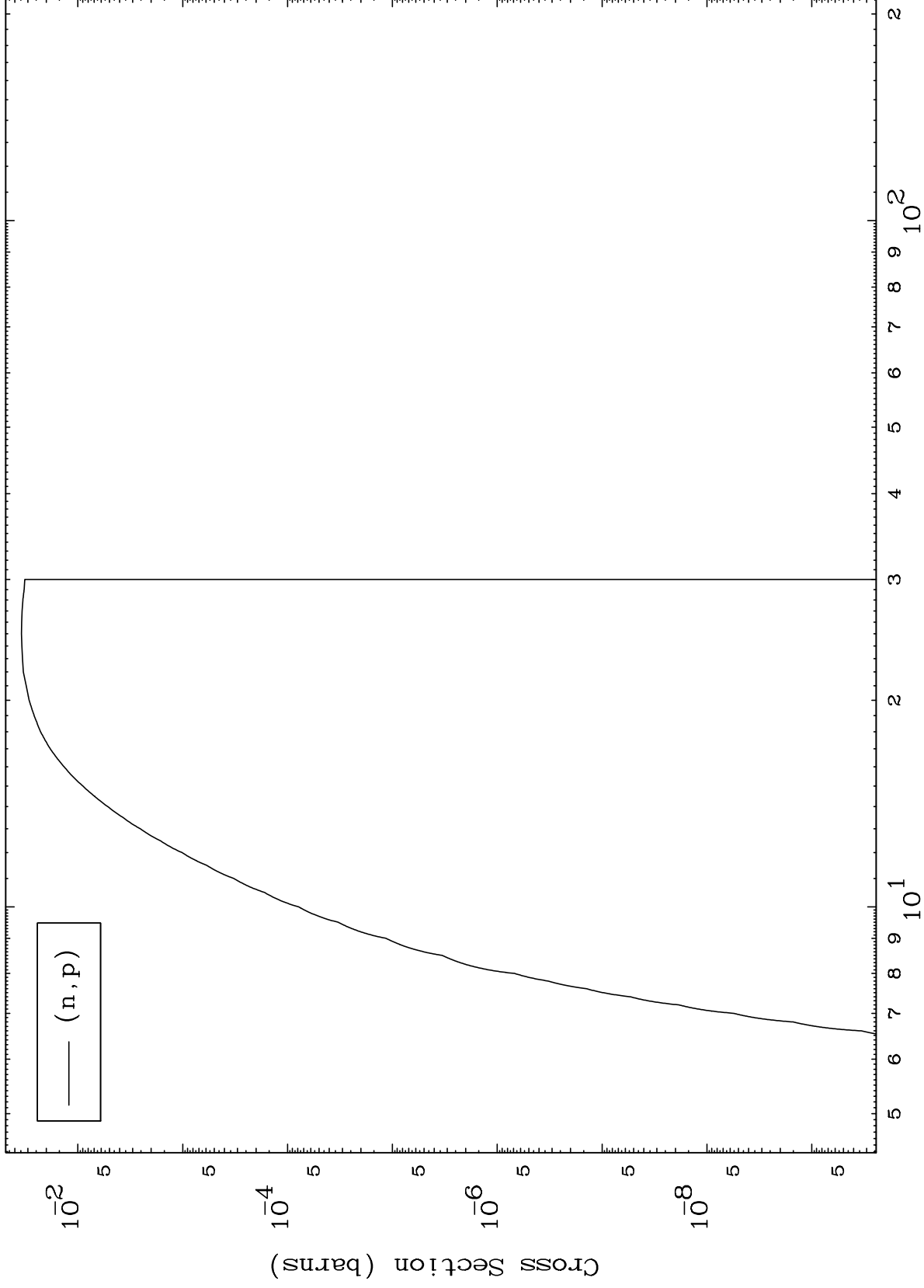
Incident Energy (MeV)

50-Sn-120

MAT 5049

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-120



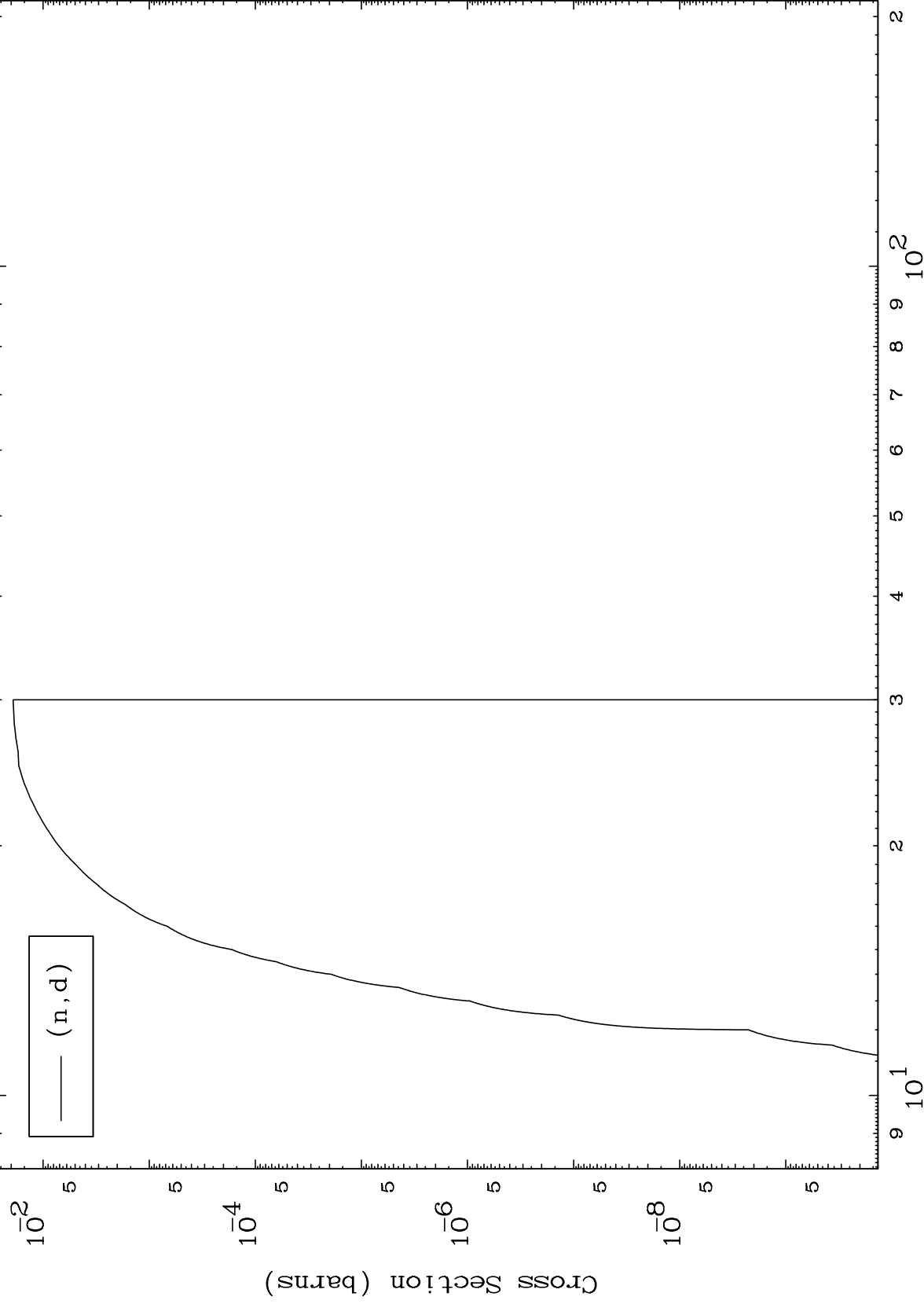
Incident Energy (MeV)

50-Sn-120

MAT 5049

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-120



11

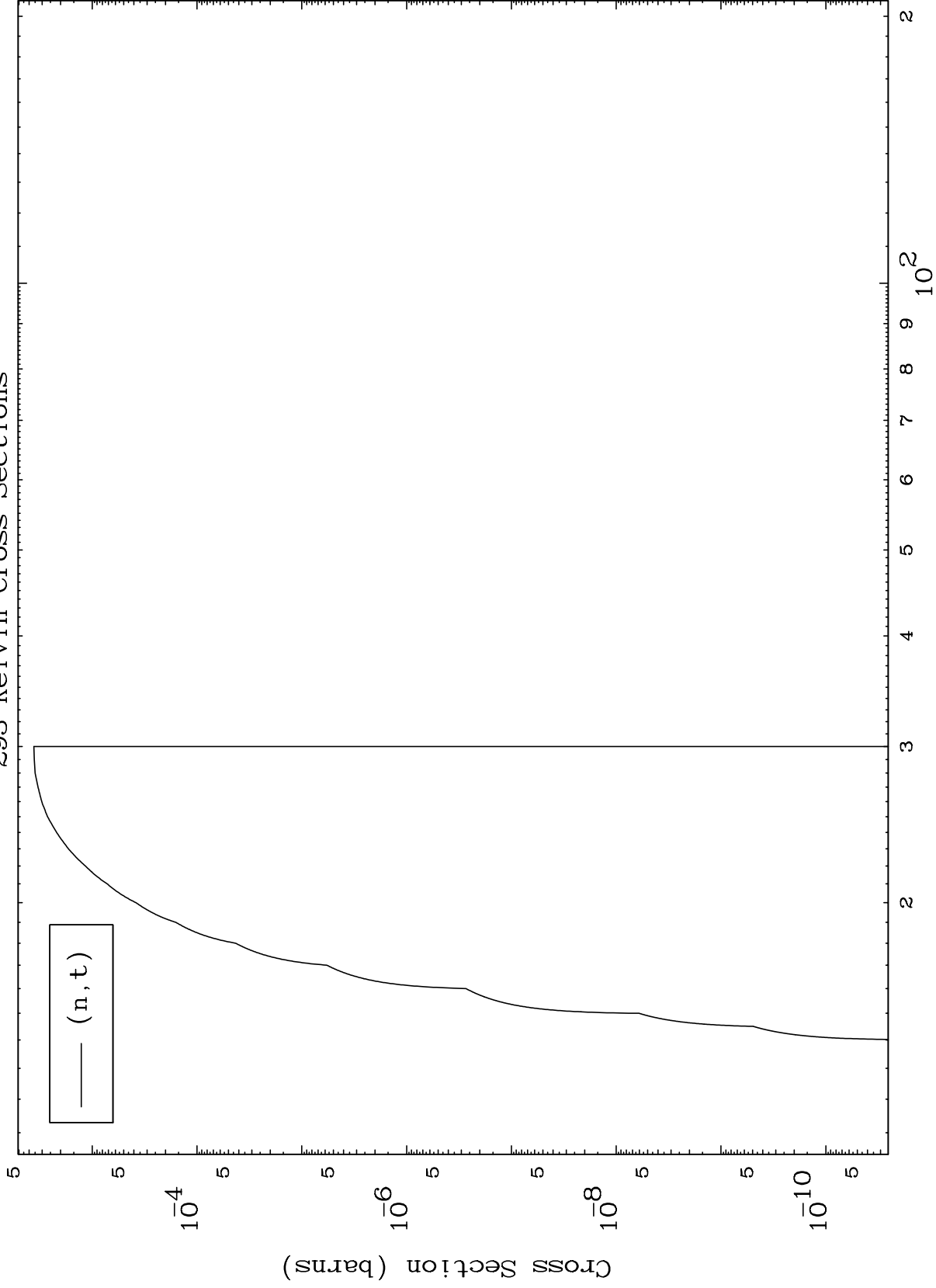
Incident Energy (MeV)

50-Sn-120

MAT 5049

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-120



12

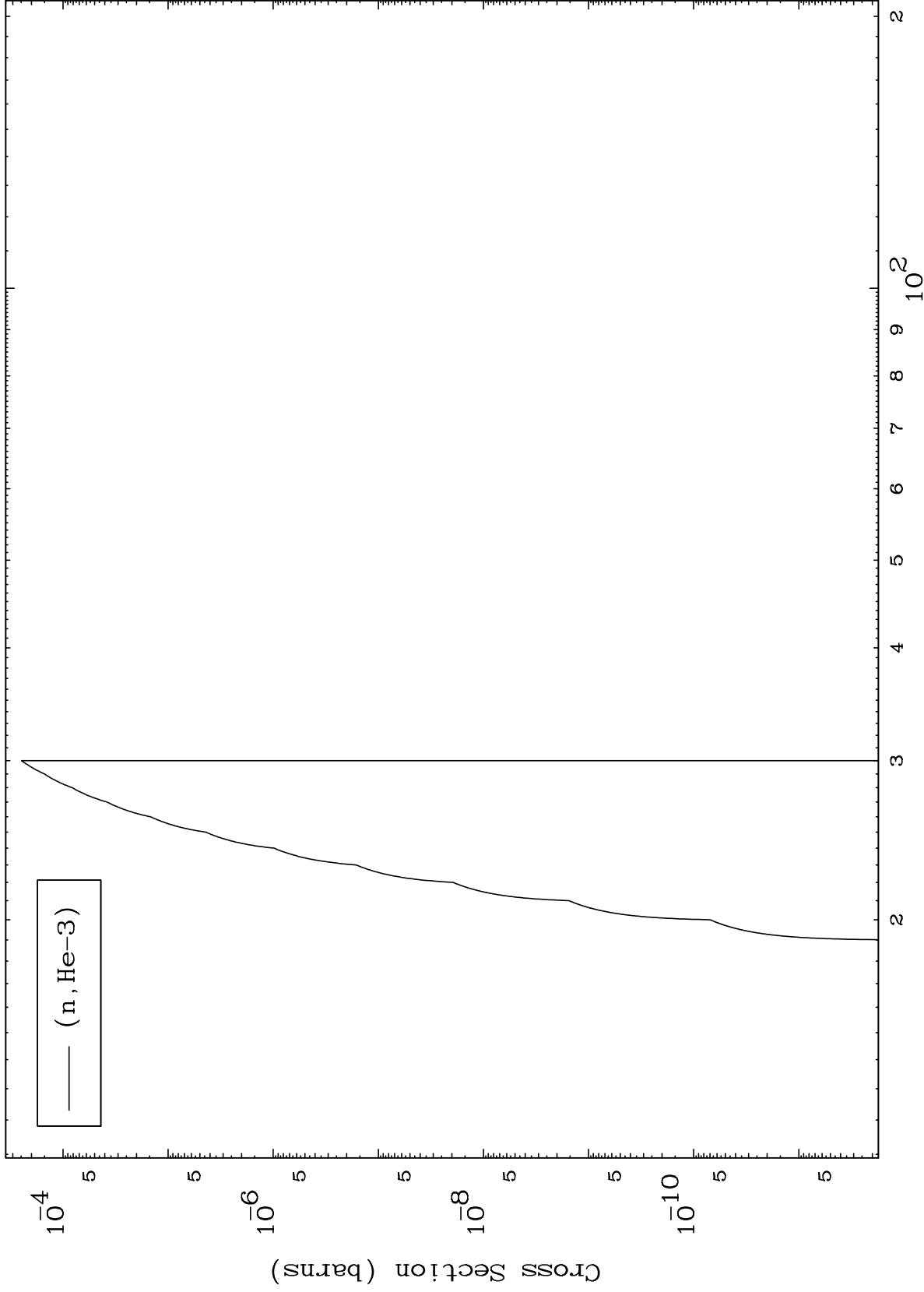
Incident Energy (MeV)

50-Sn-120

MAT 5049

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-120



13

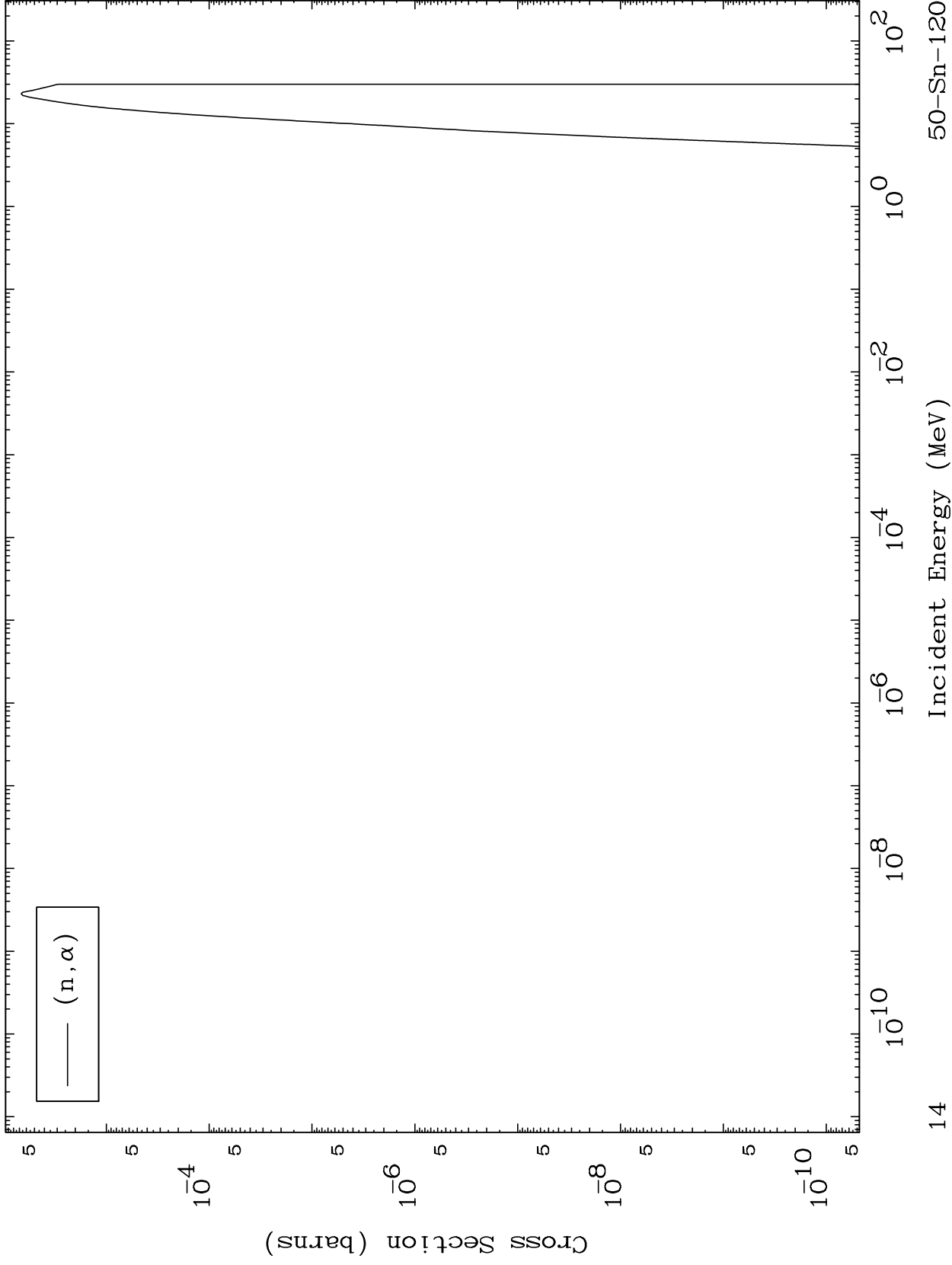
Incident Energy (MeV)

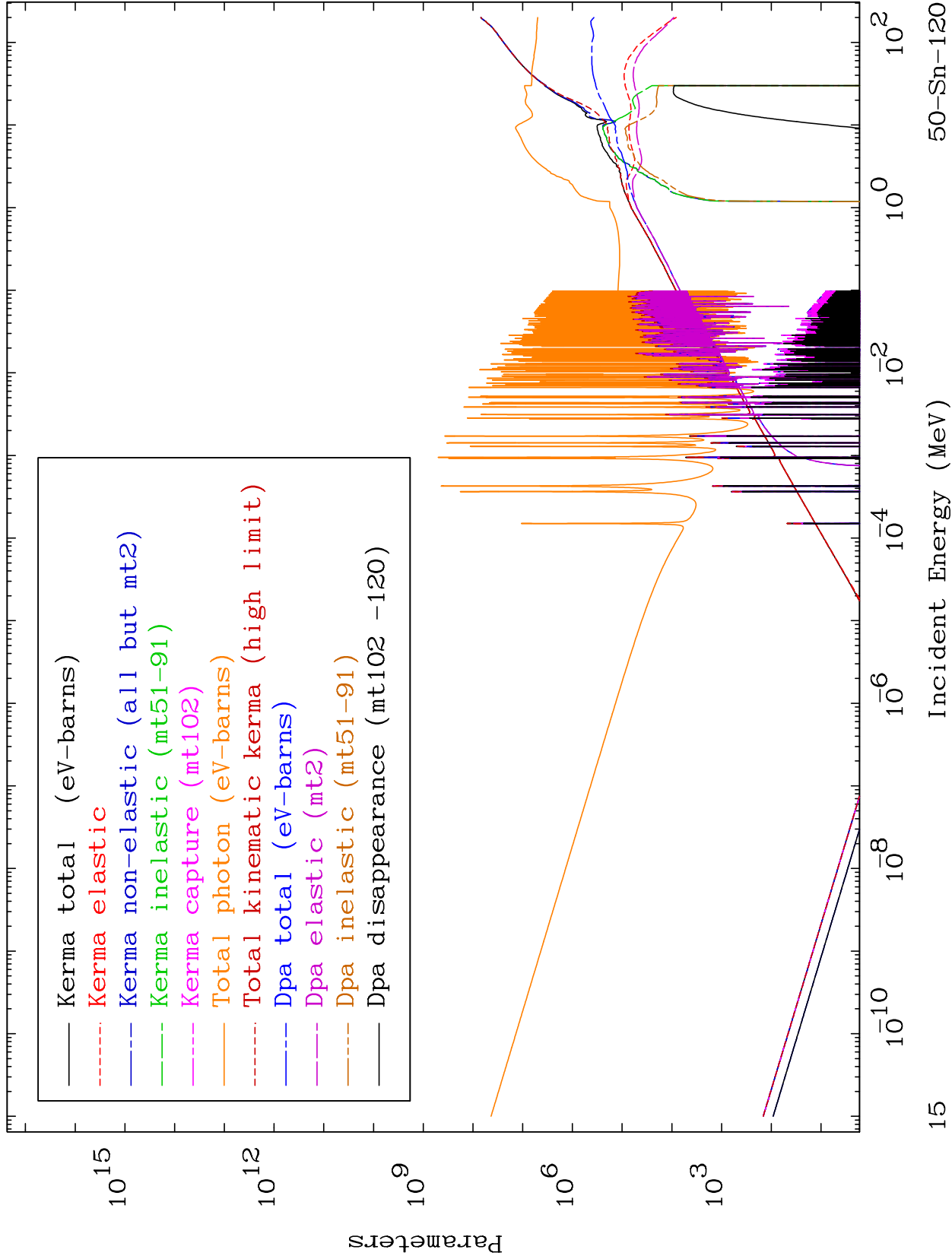
50-Sn-120

MAT 5049

(n, α) Levels
293 Kelvin Cross Sections

50-Sn-120

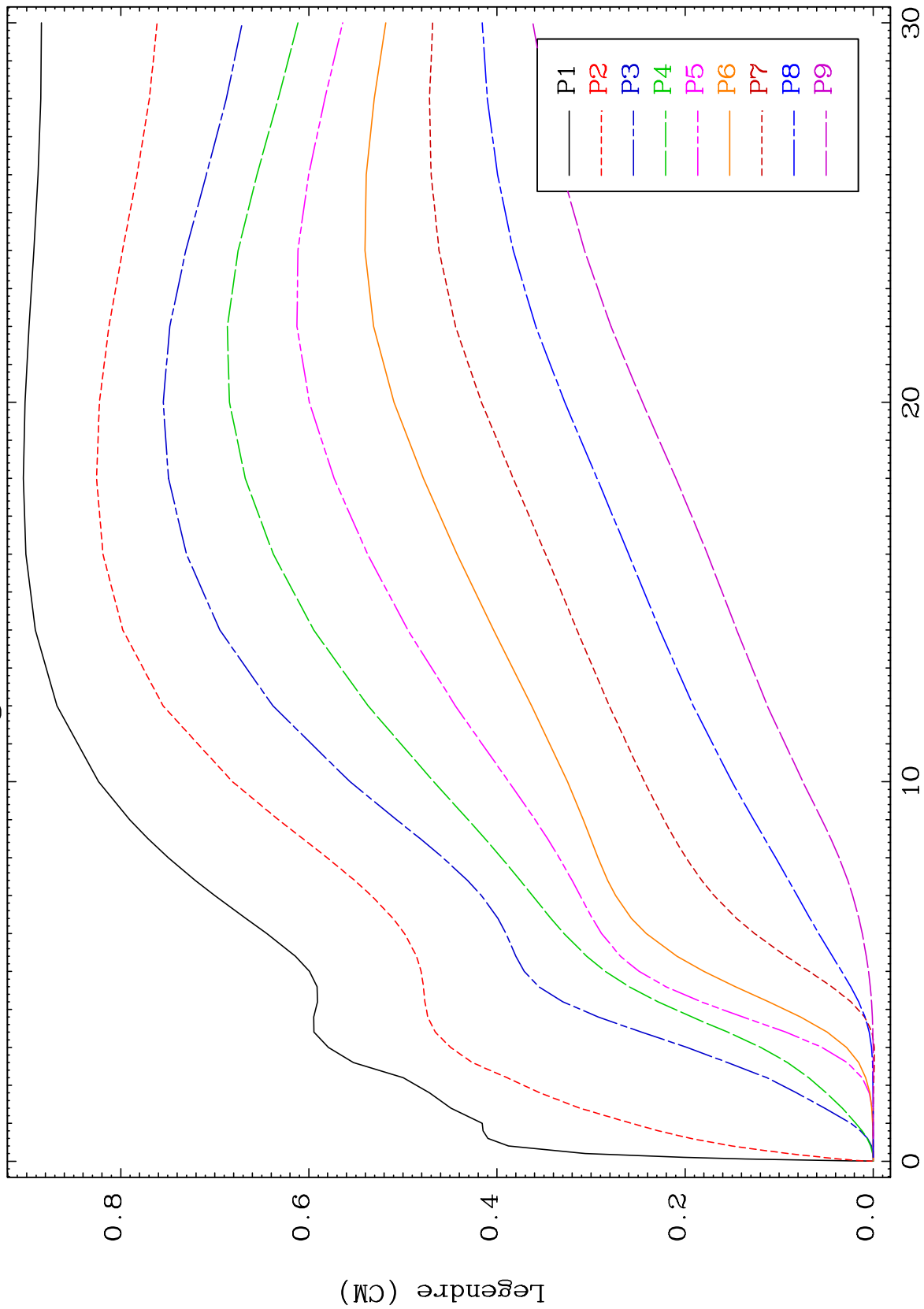




MAT 5049

Elastic Legendre Coefficients

50-Sn-120



16

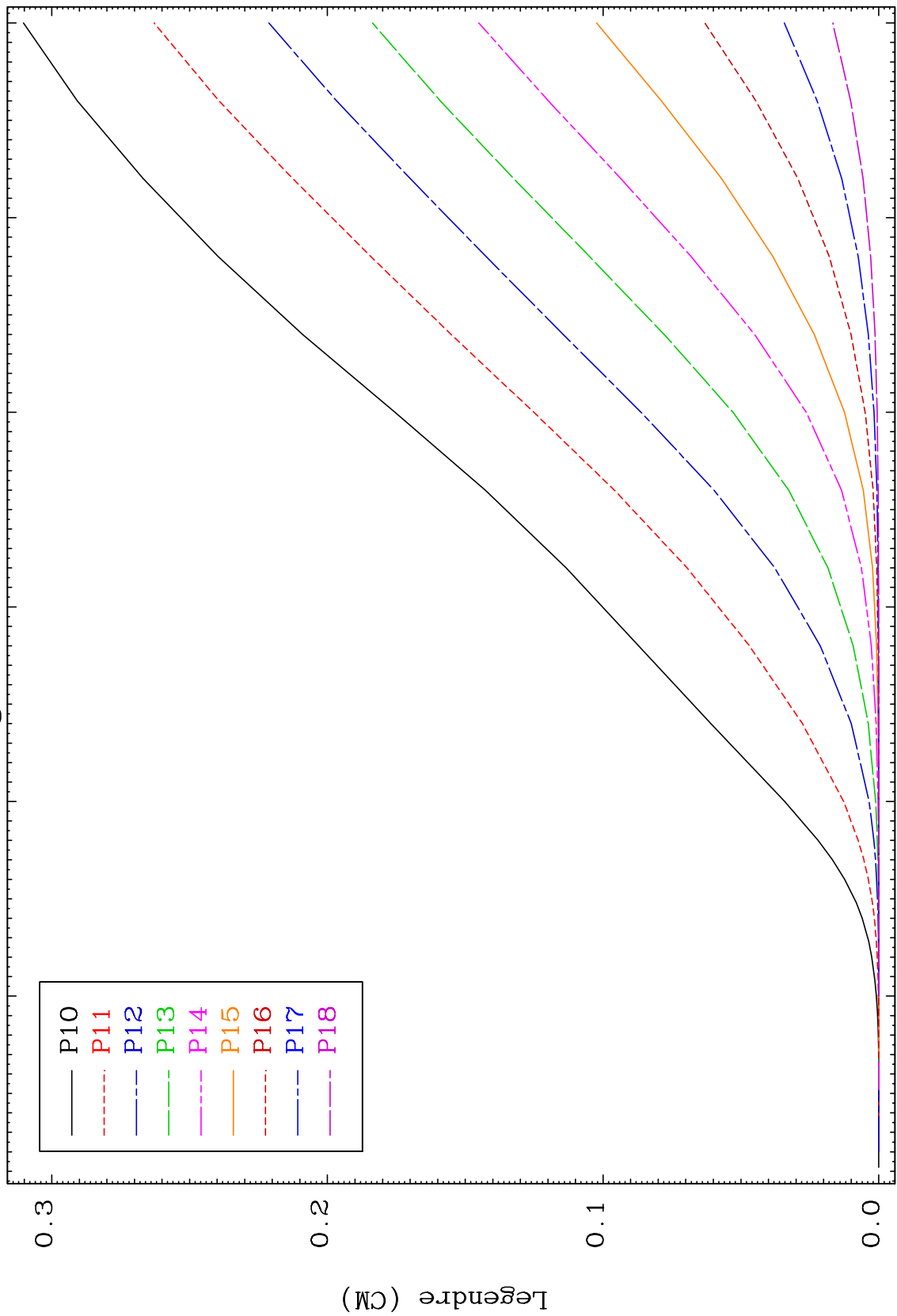
Incident Energy (MeV)

50-Sn-120

MAT 5049

Elastic Legendre Coefficients

50-Sn-120



17

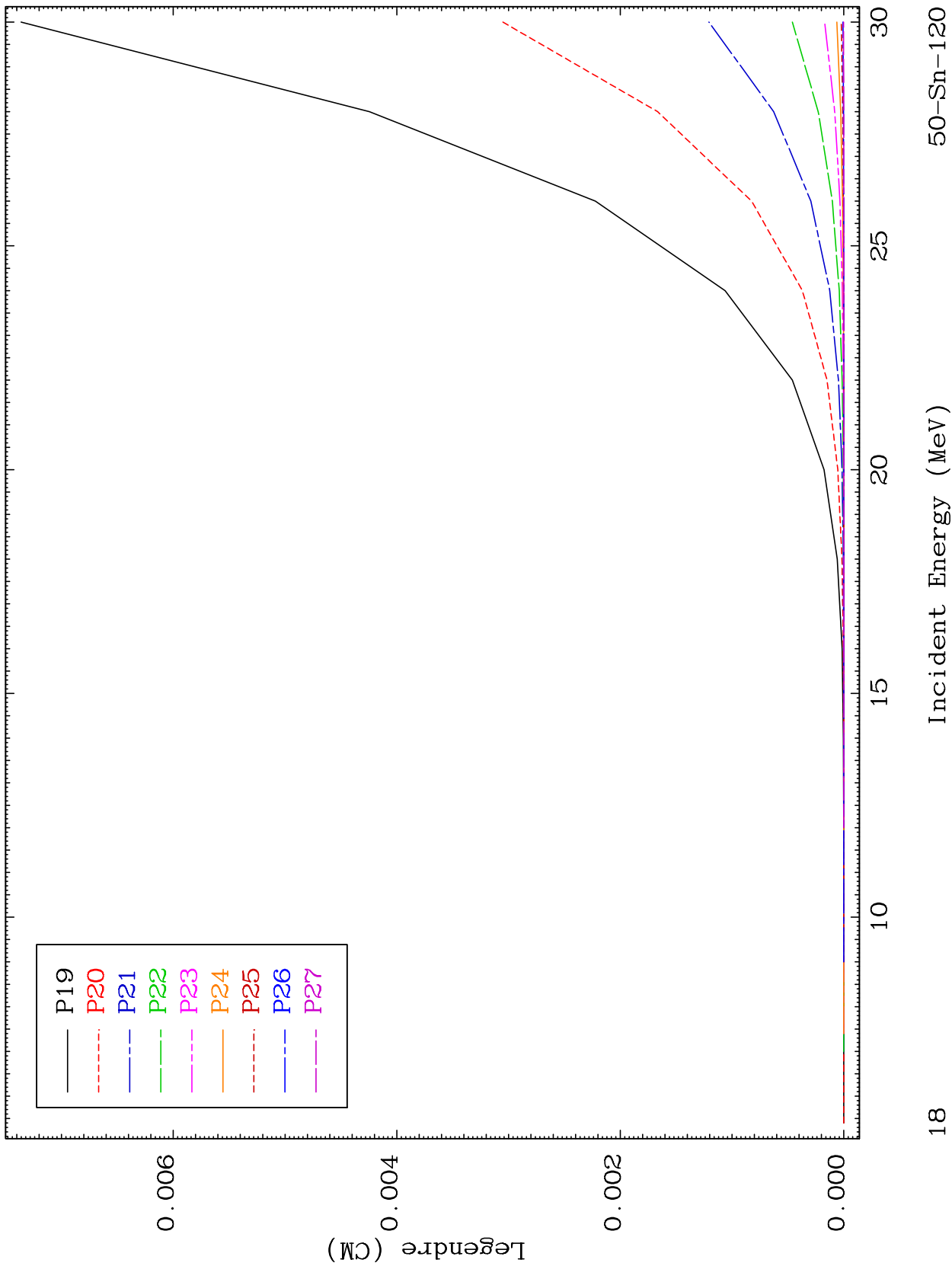
Incident Energy (MeV)

50-Sn-120

MAT 5049

Elastic Legendre Coefficients

50-Sn-120



18

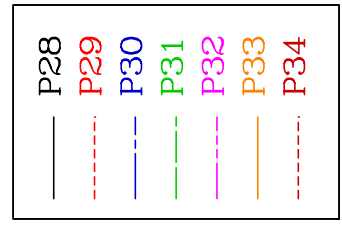
Incident Energy (MeV)

50-Sn-120

MAT 5049

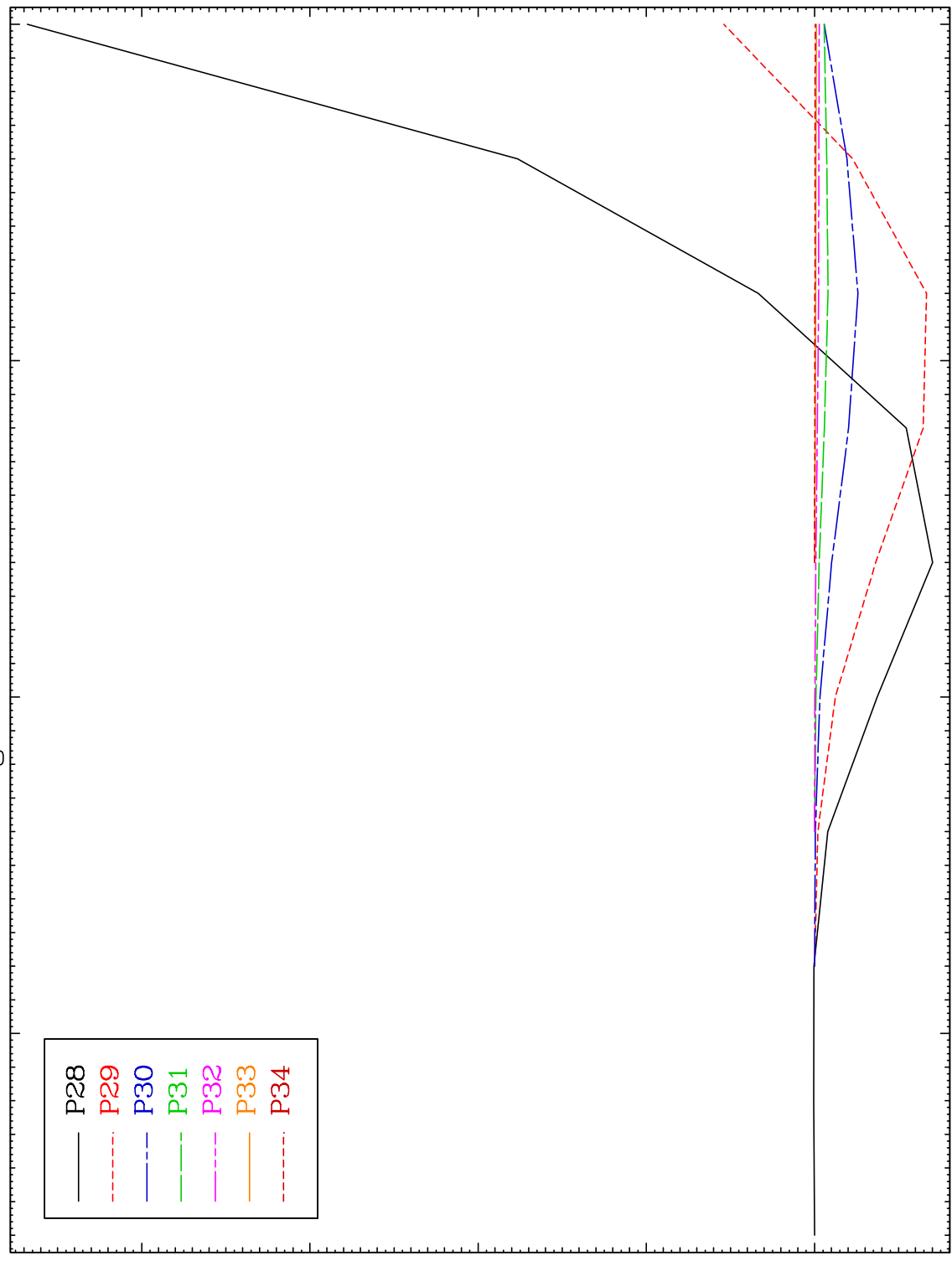
Elastic Legendre Coefficients

50-Sn-120



$\times 10^{-7}$

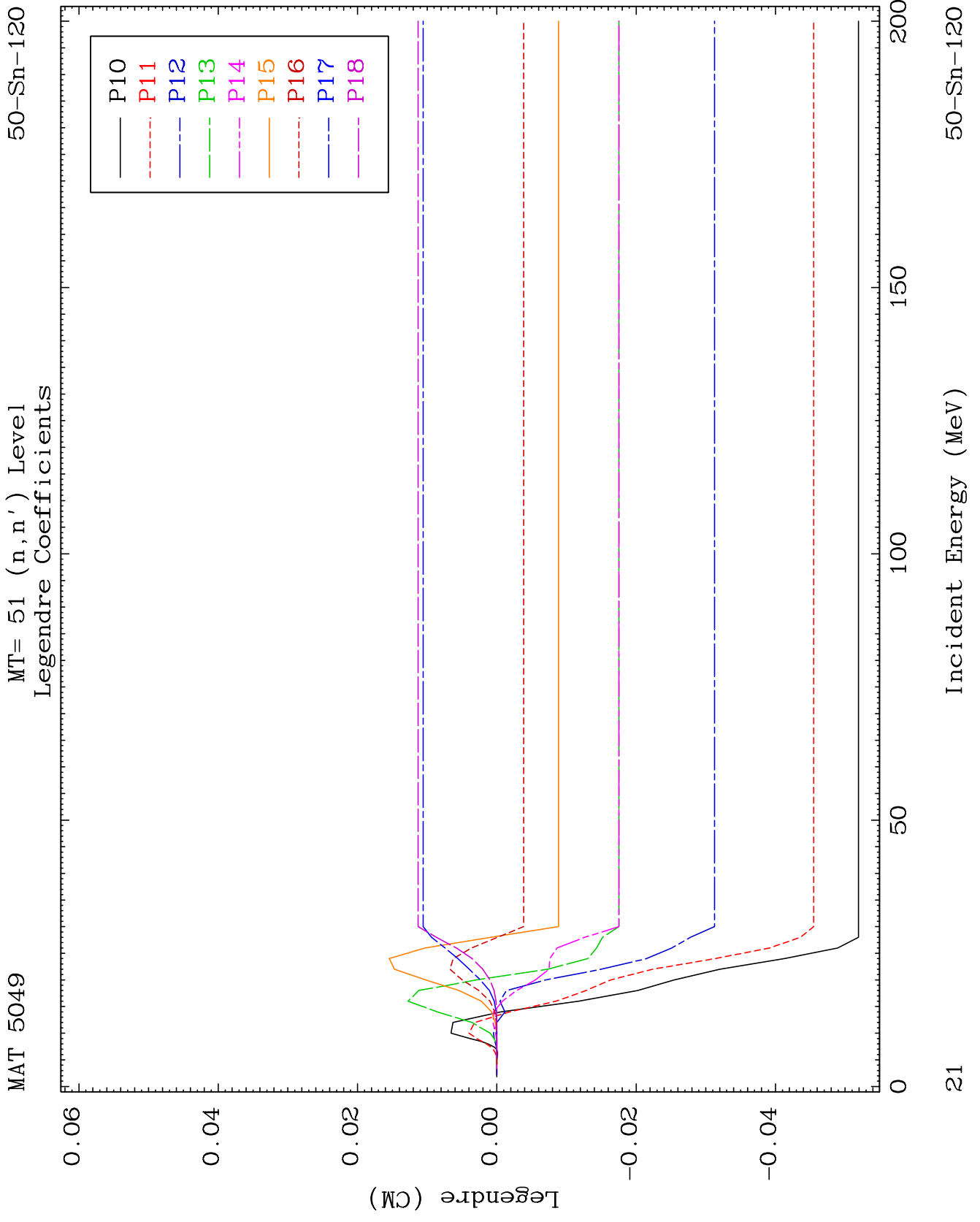
Legendre (CM)

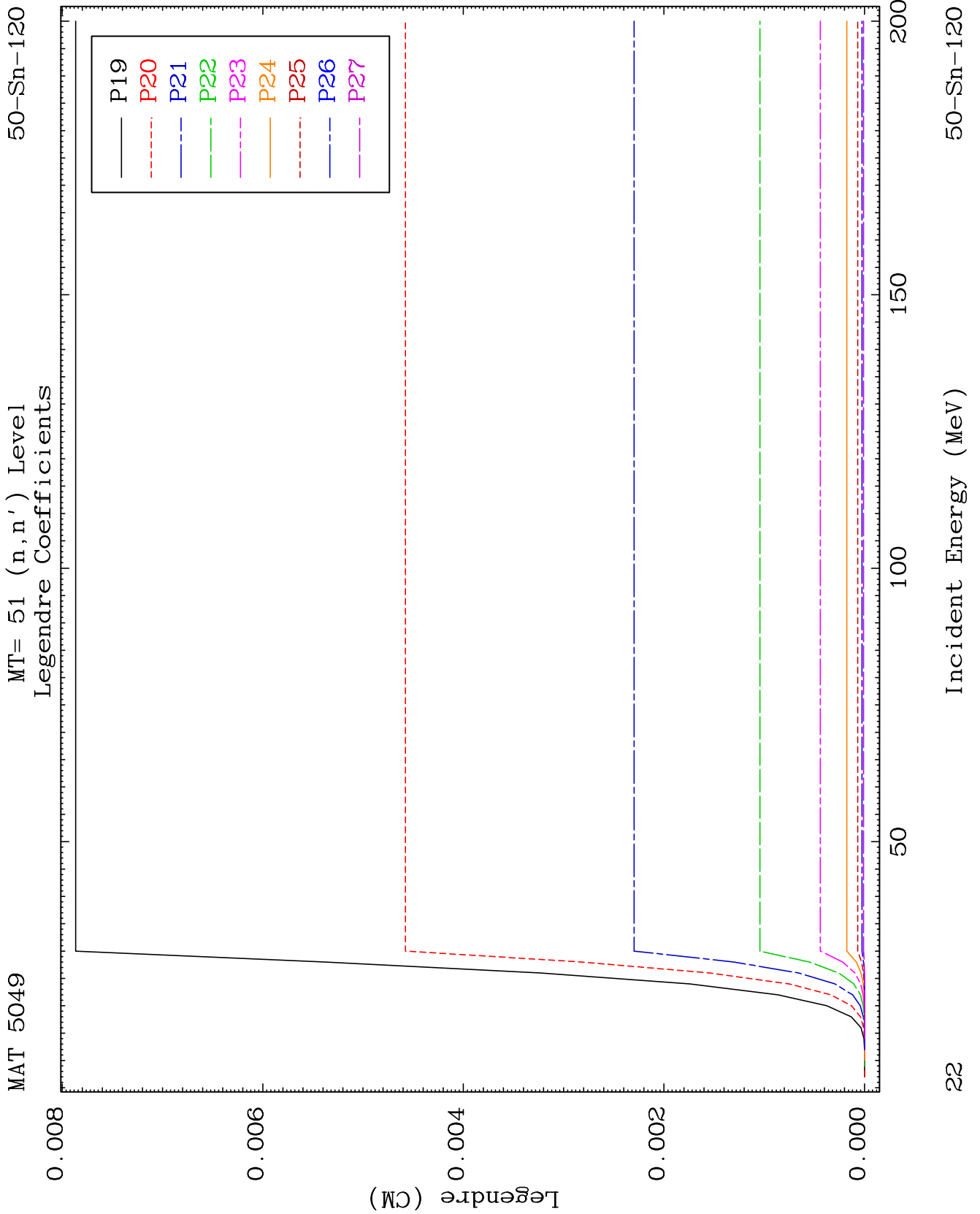


19

Incident Energy (MeV)

50-Sn-120

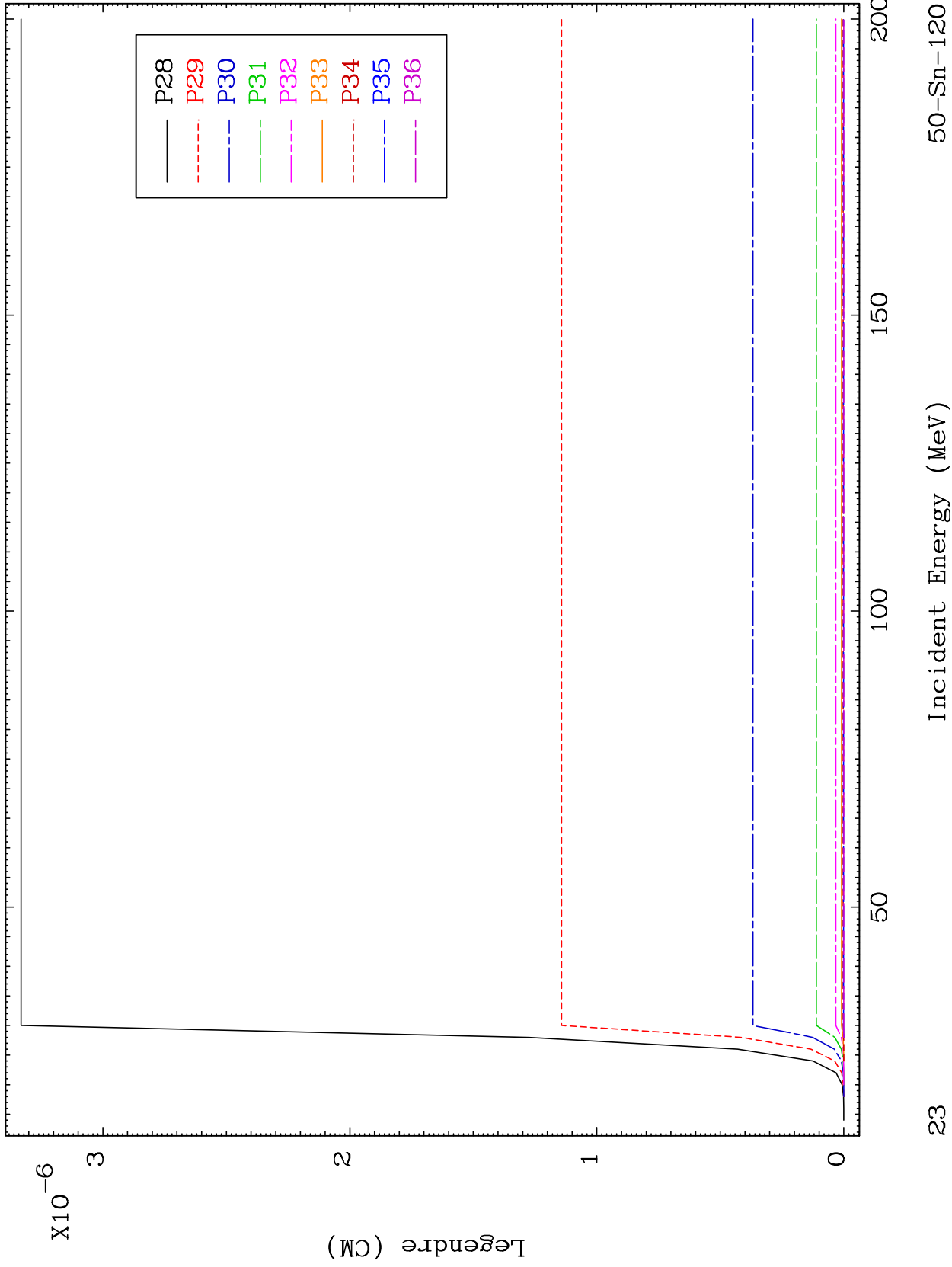




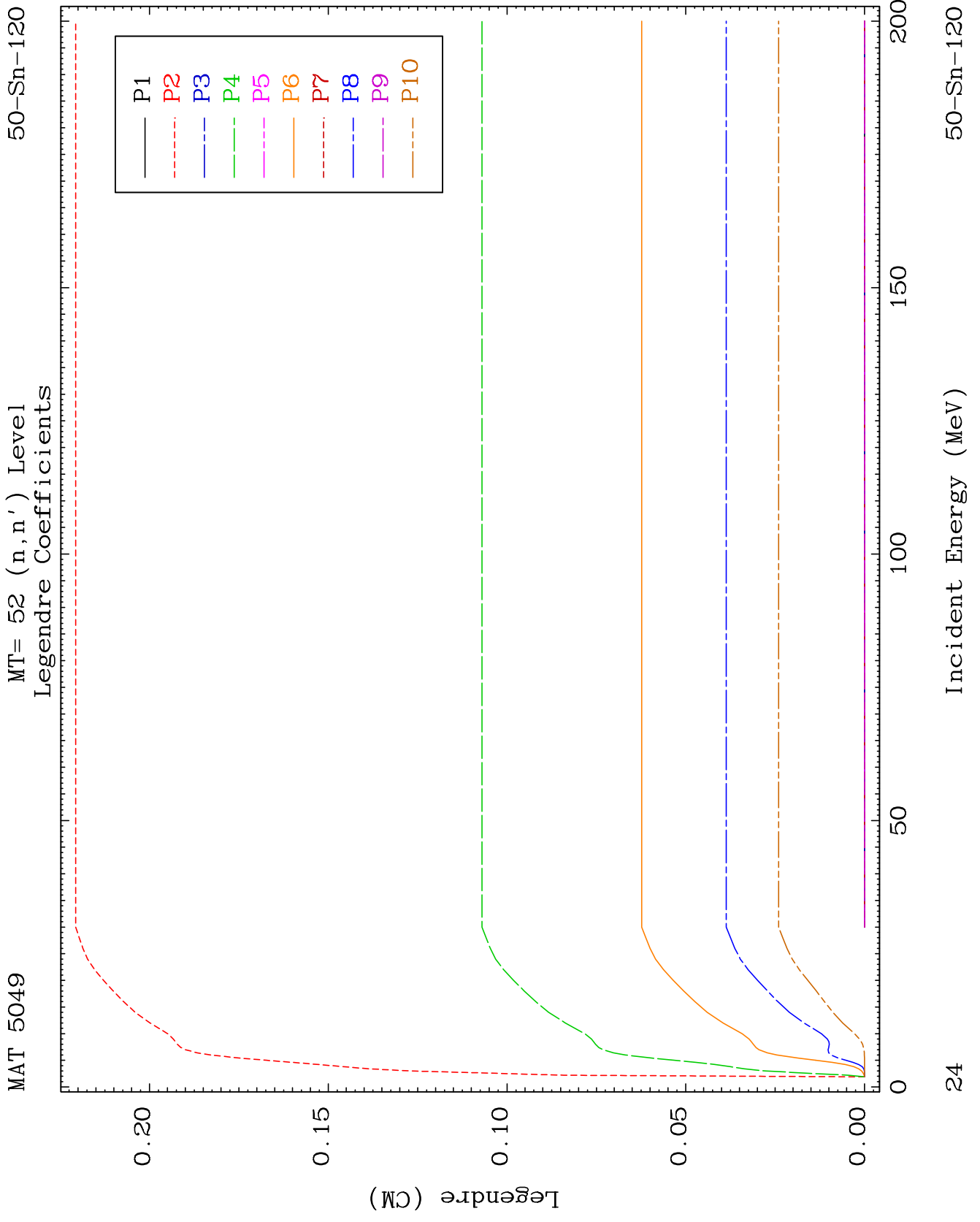
MAT 5049

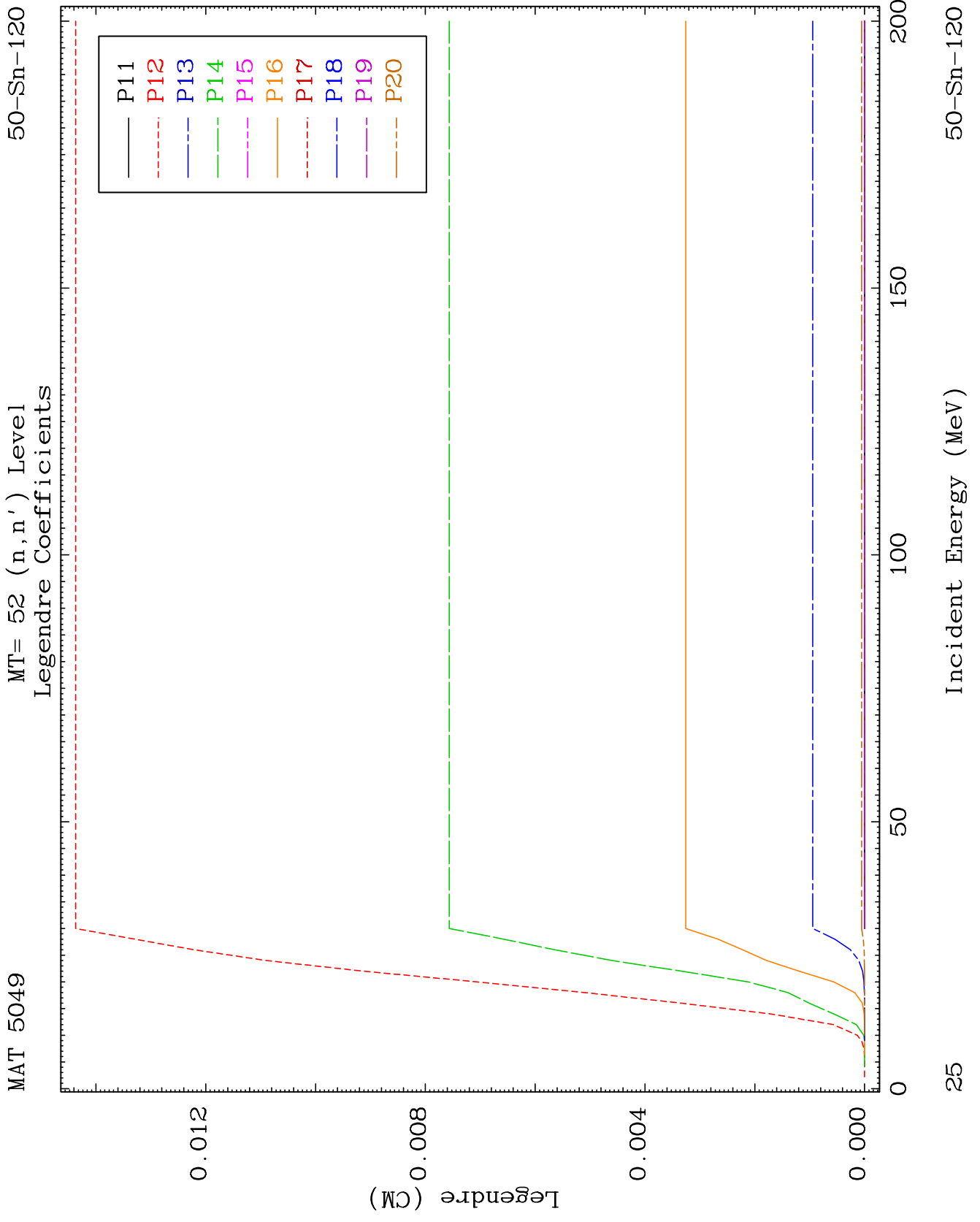
MT= 51 (n,n') Level
Legendre Coefficients

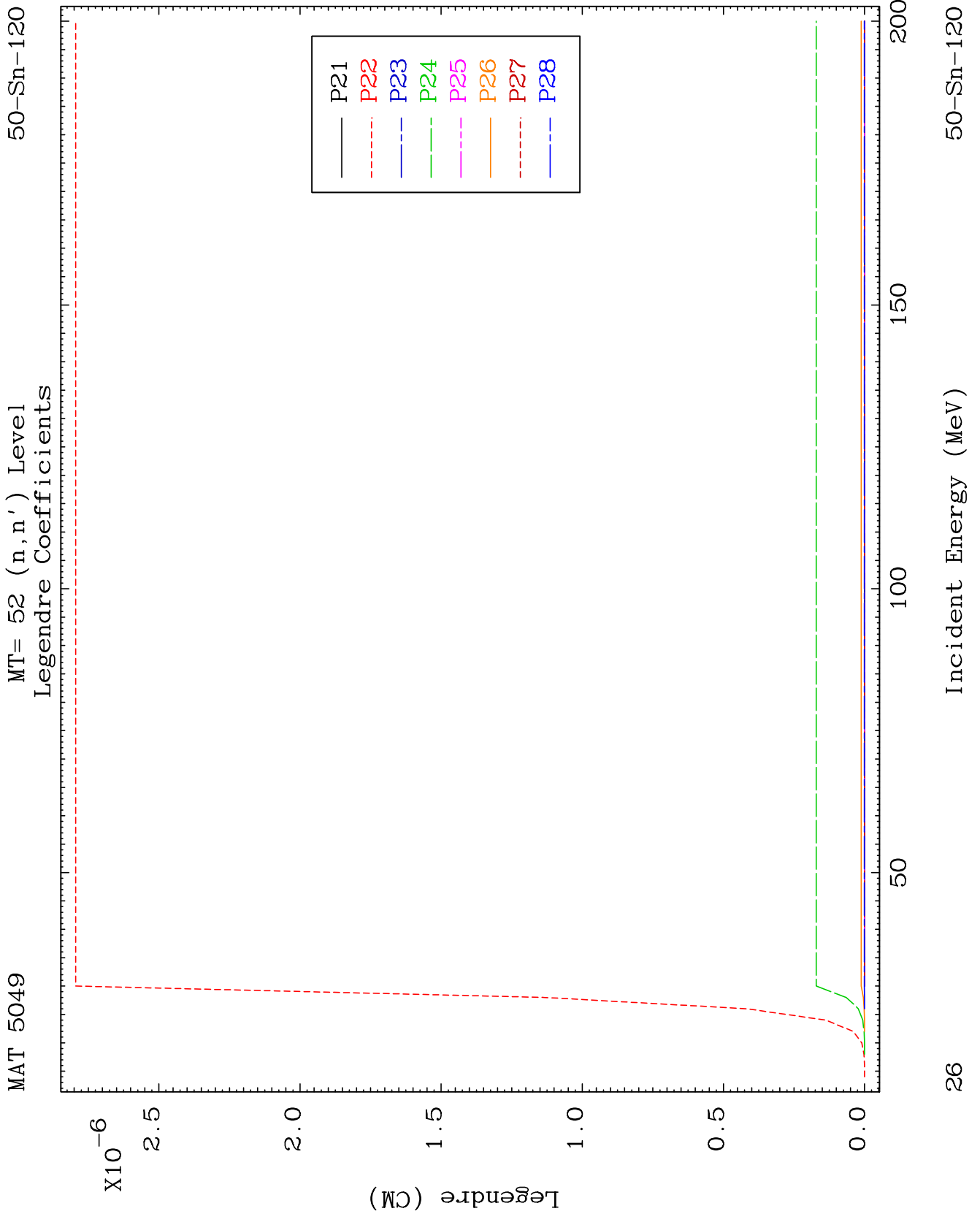
50-Sn-120

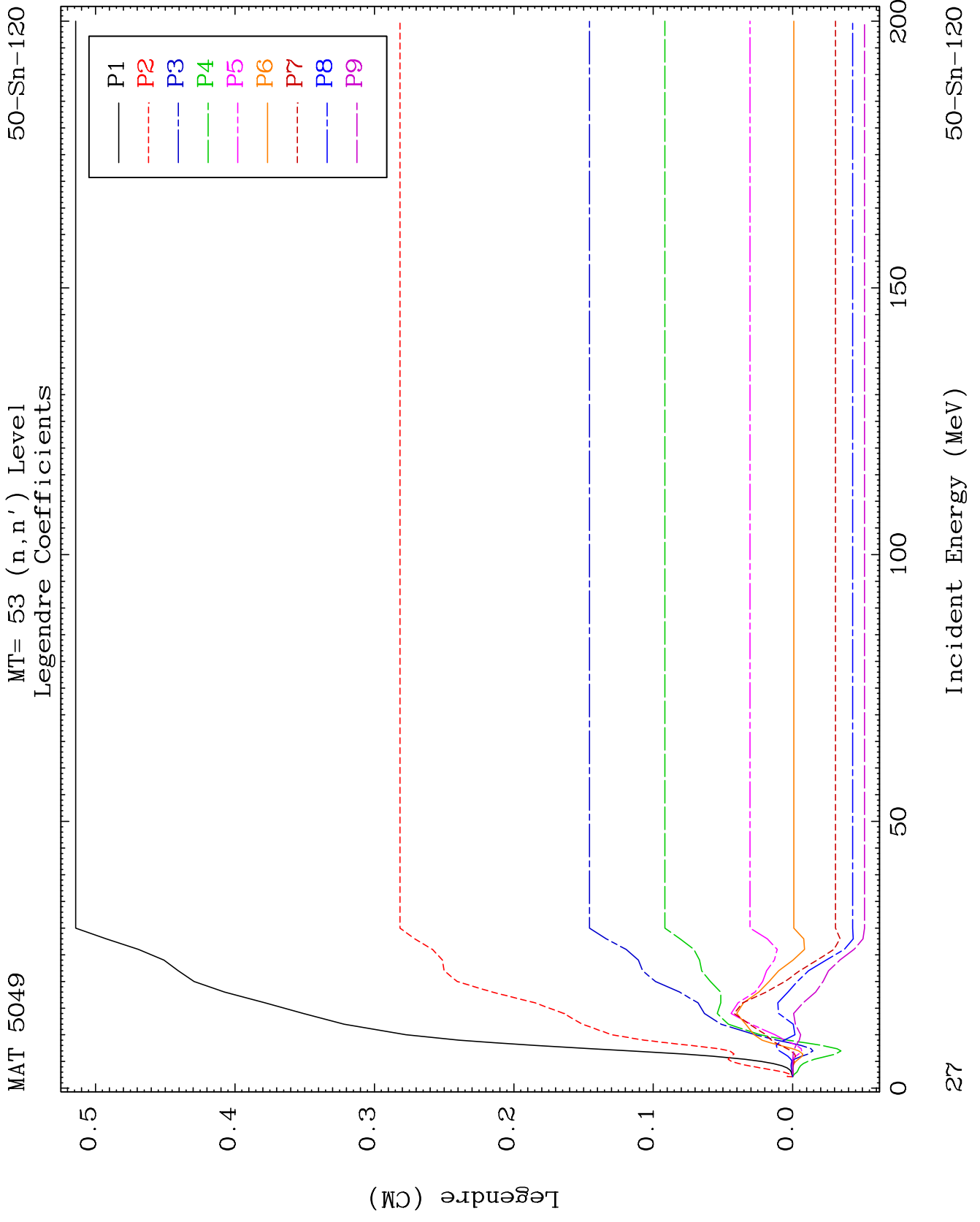


23





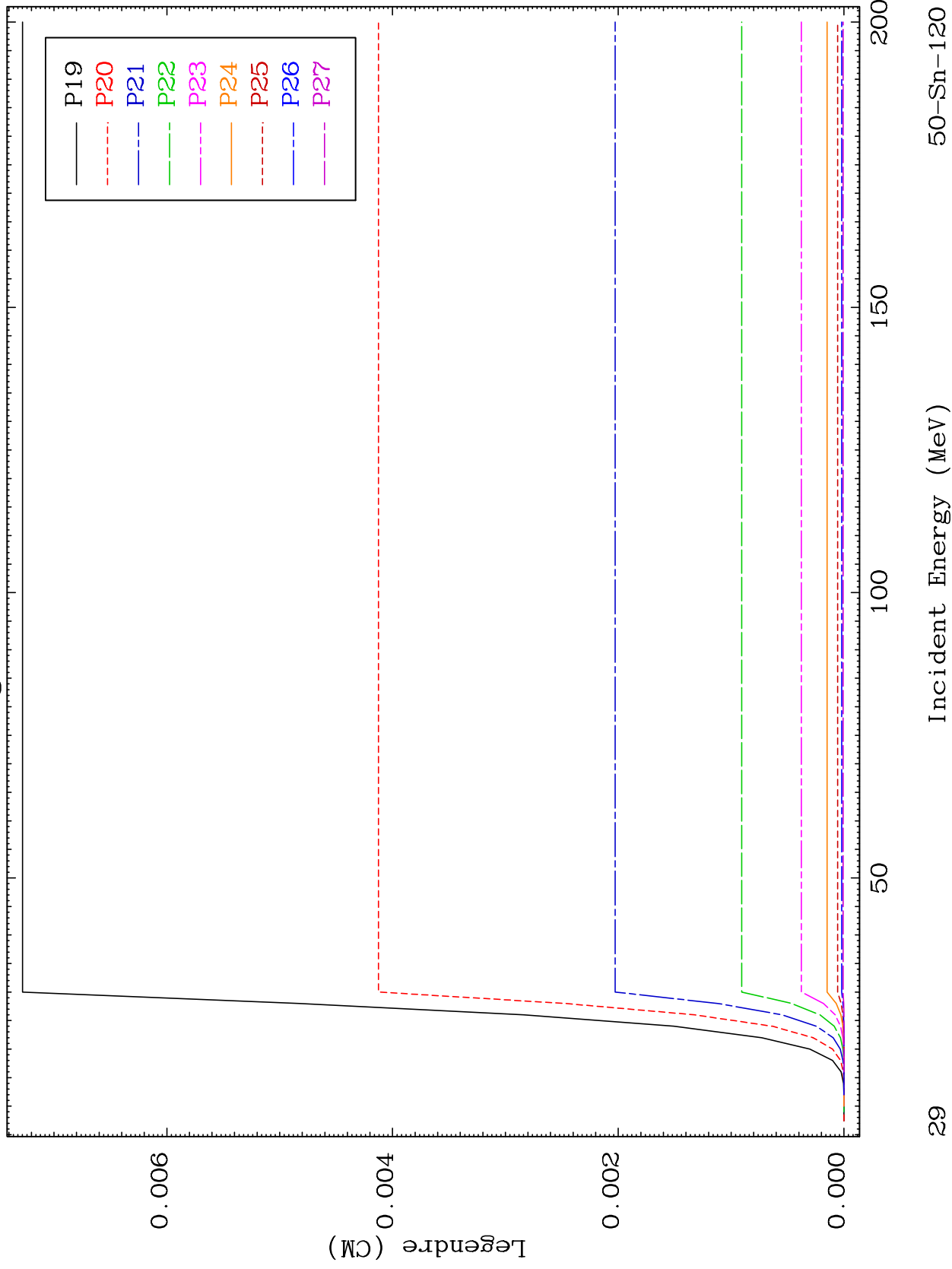




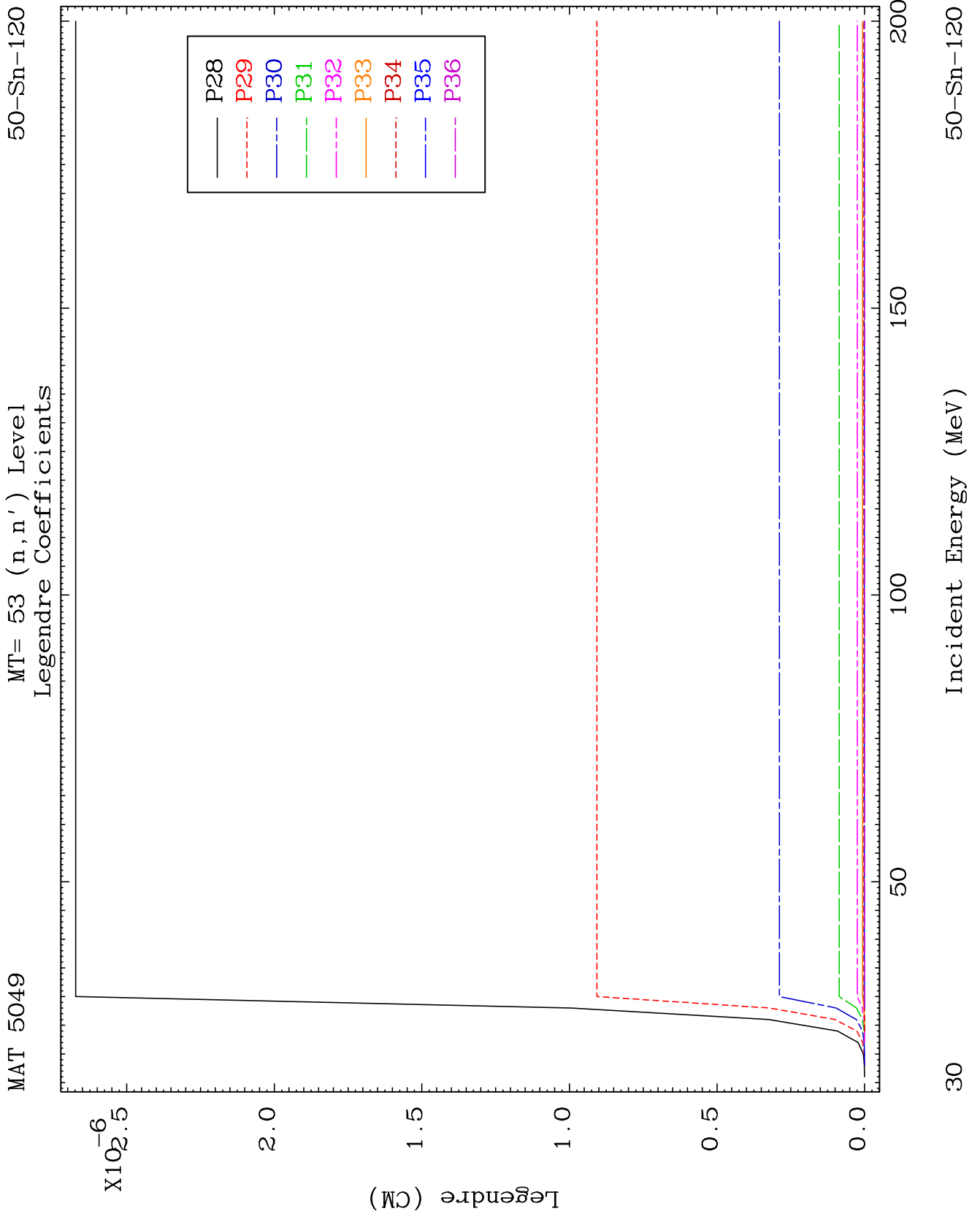
MAT 5049

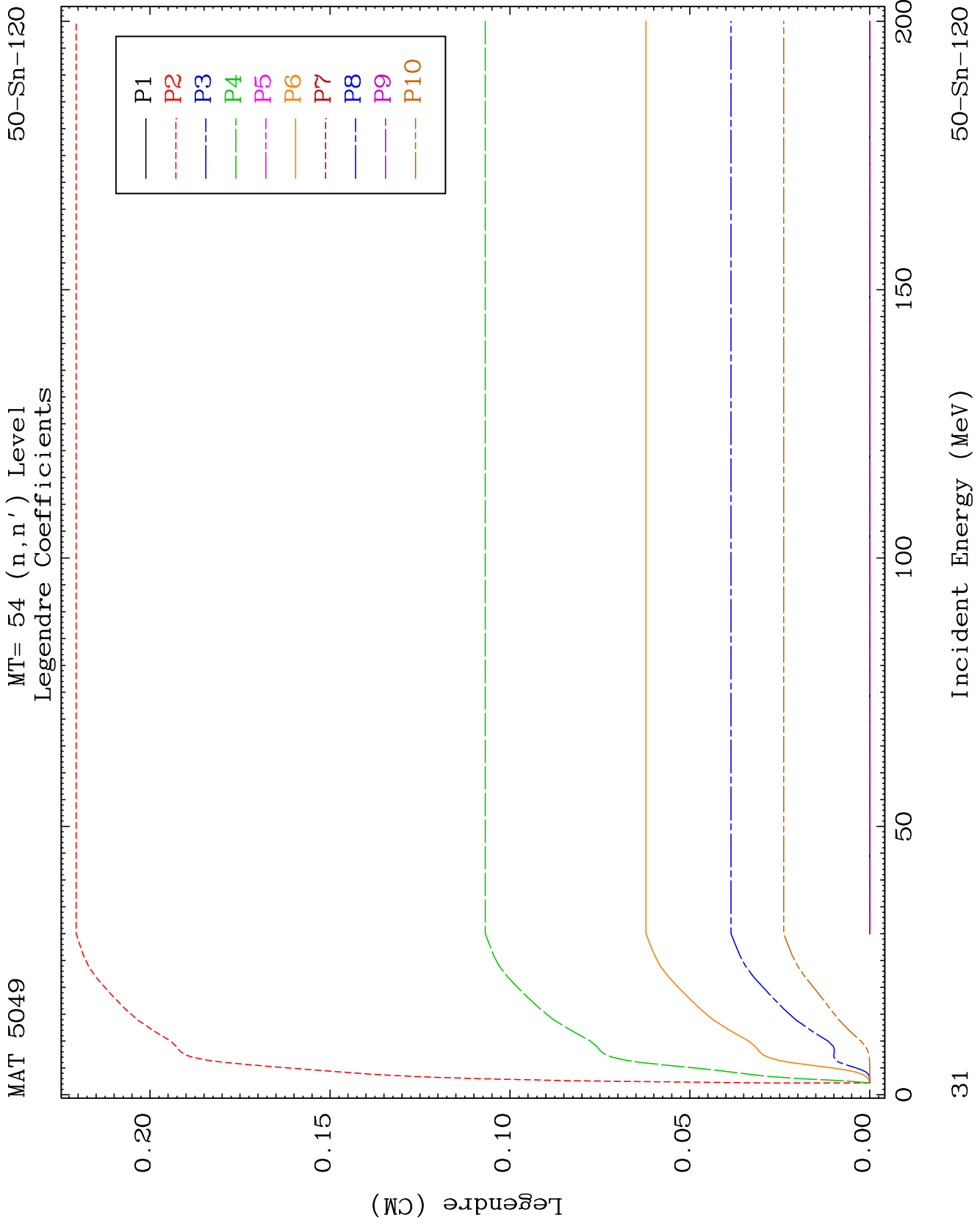
MT= 53 (n,n') Level
Legendre Coefficients

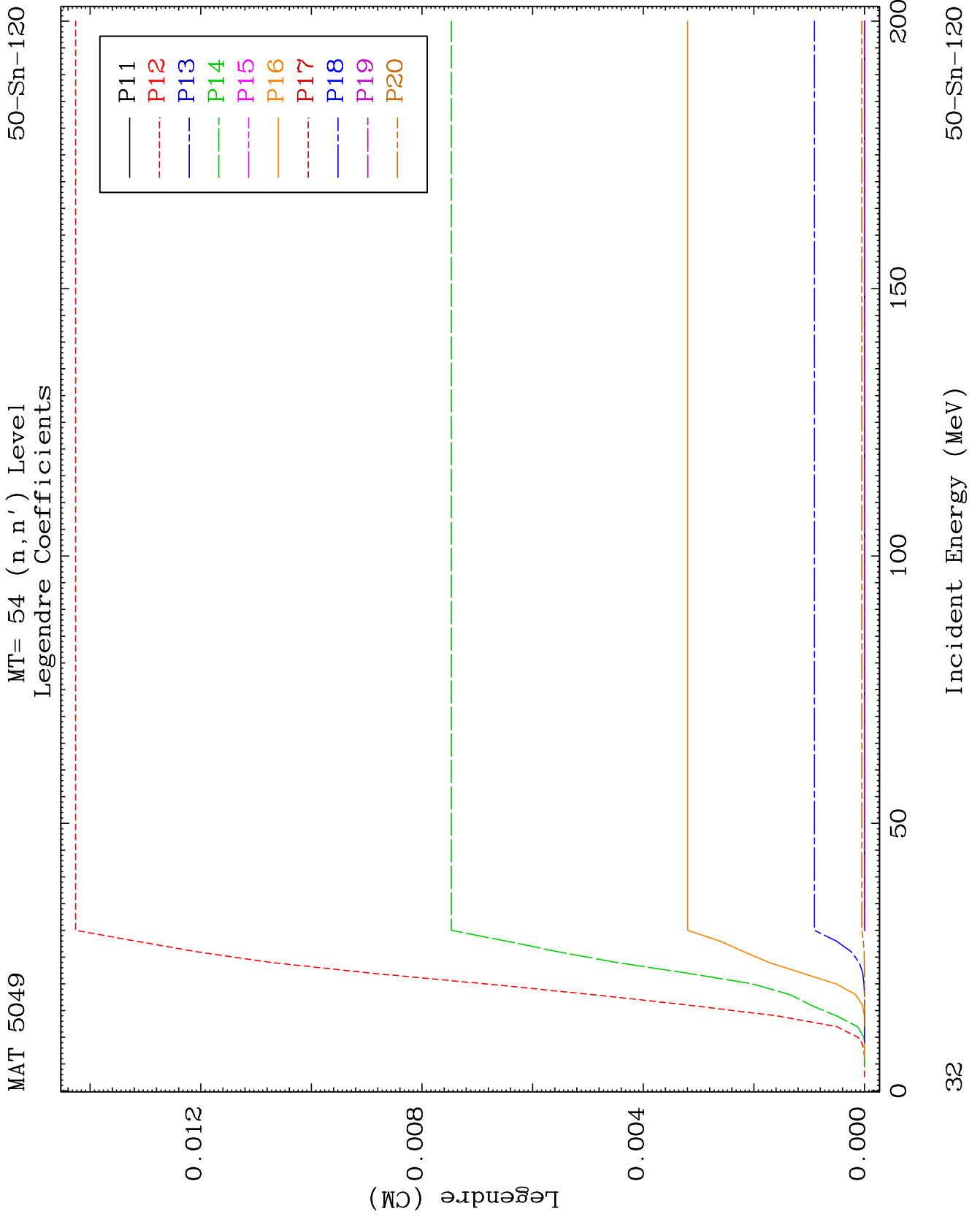
50-Sn-120

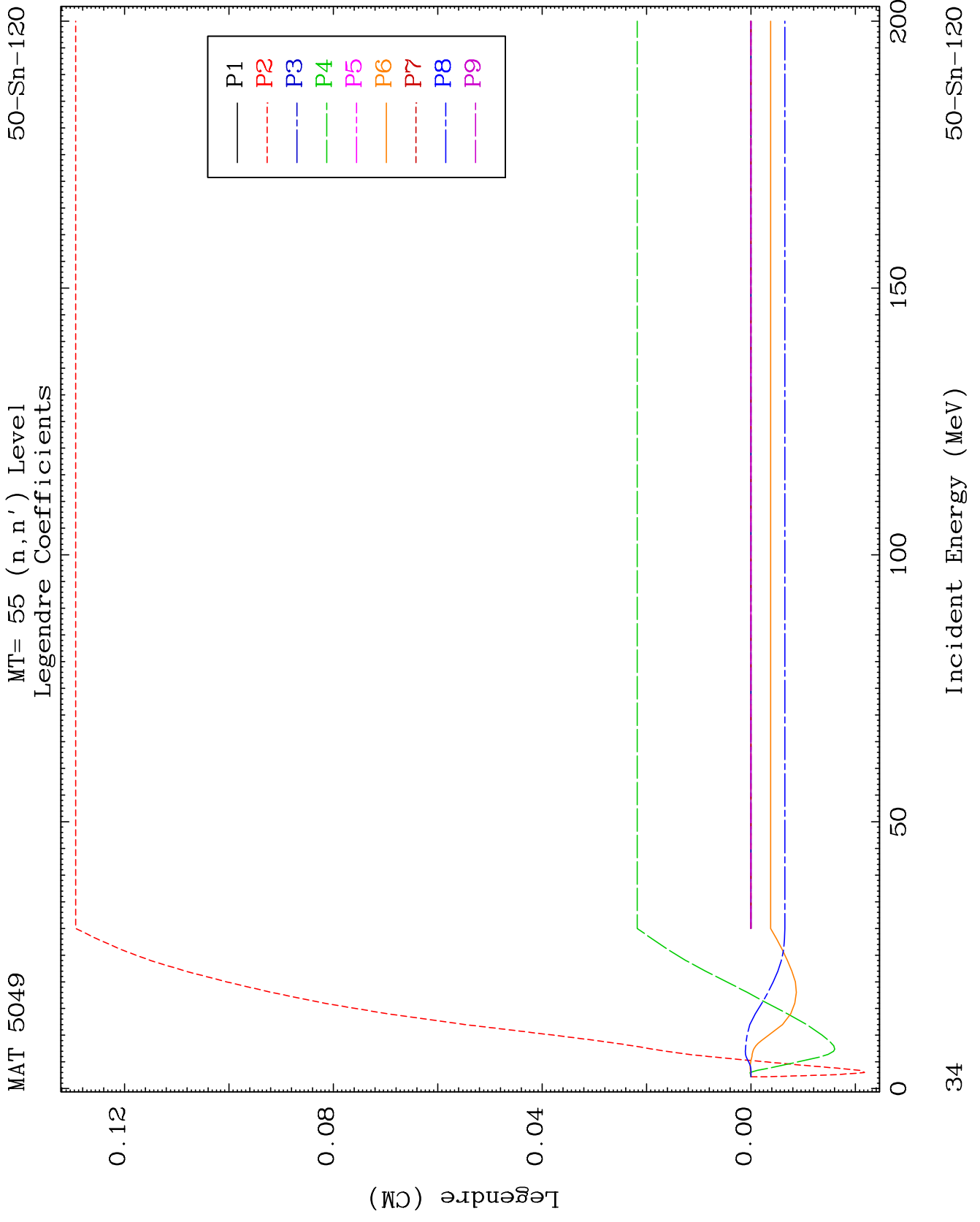


29





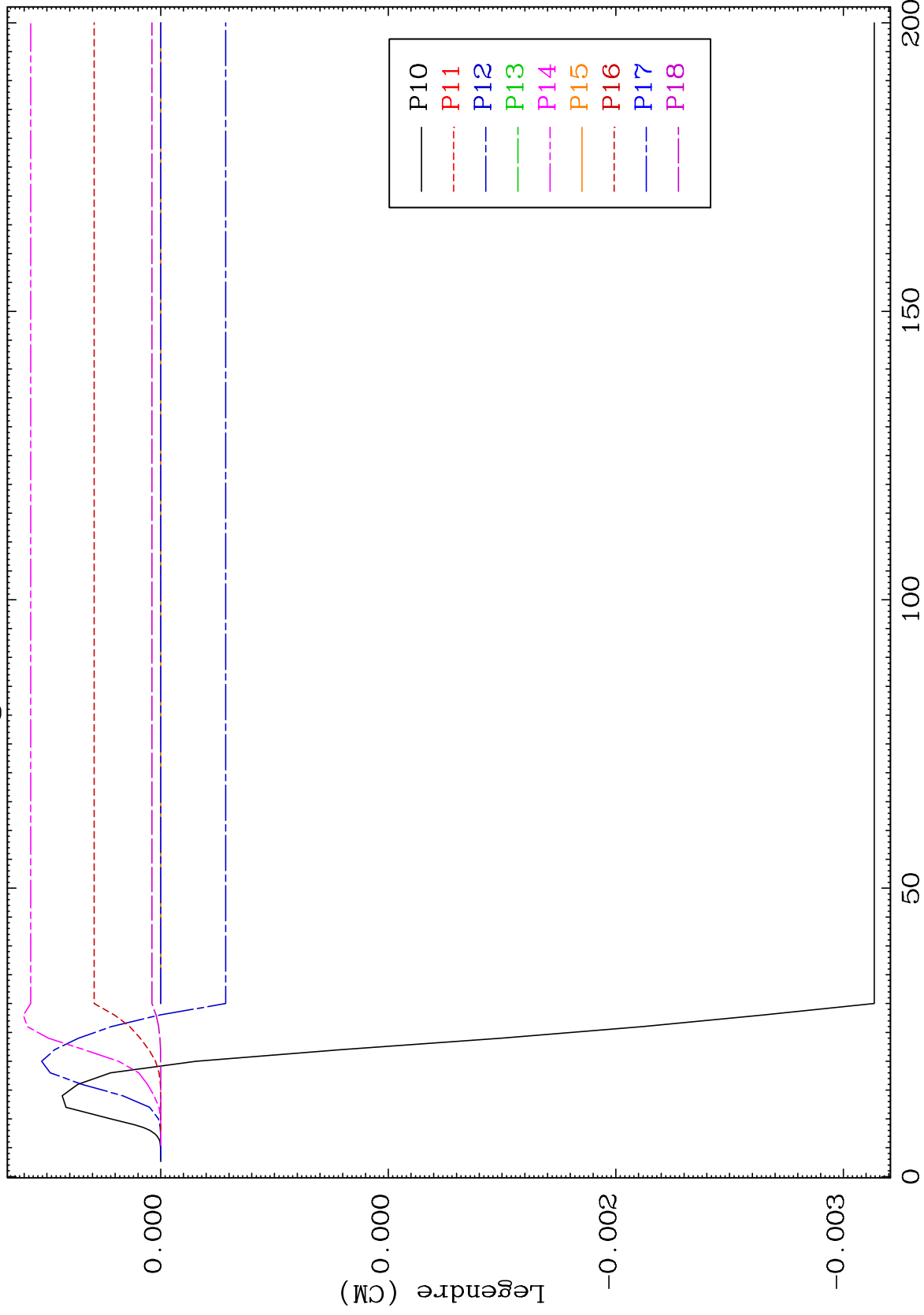




MAT 5049

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

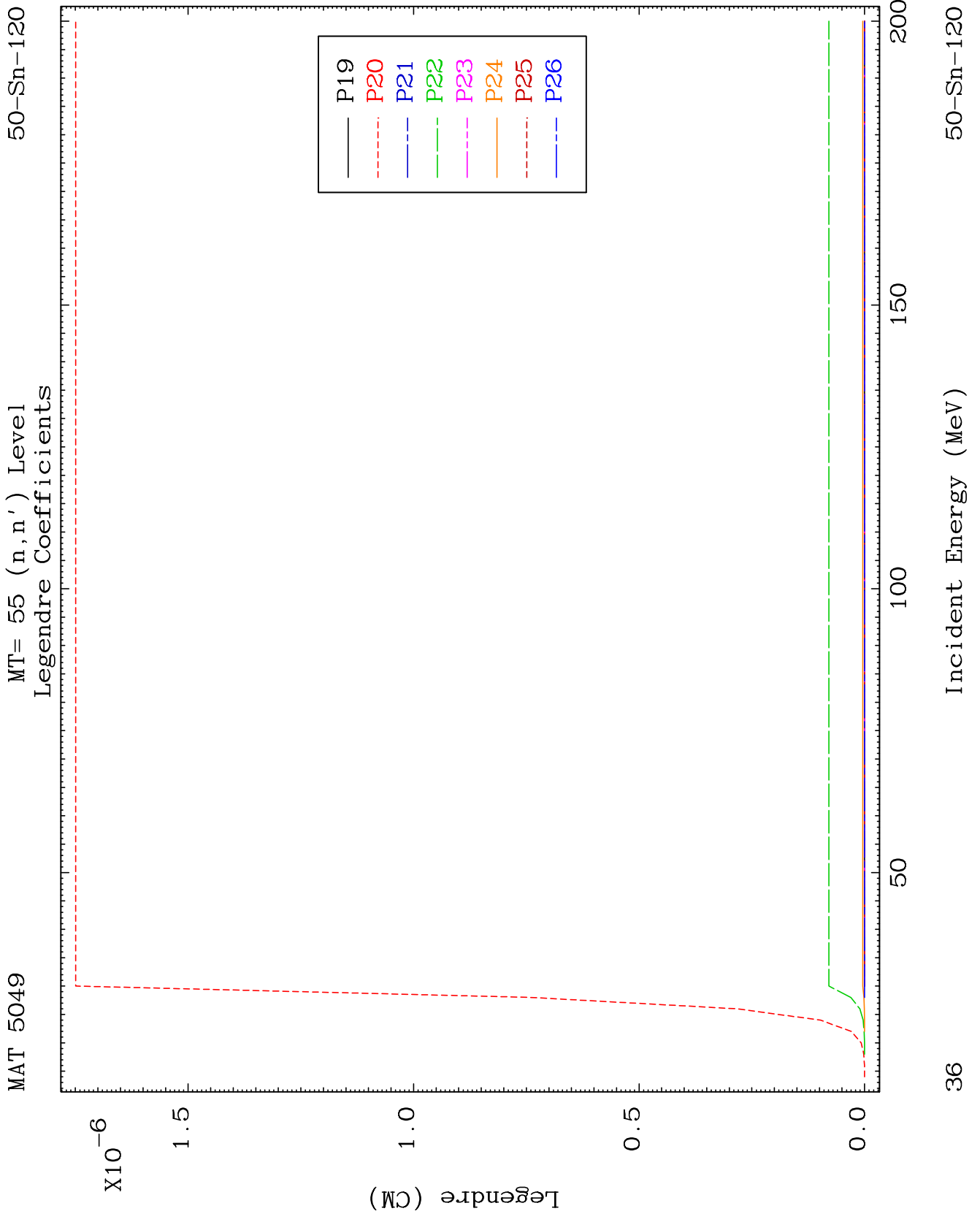
50-Sn-120



35

Incident Energy (MeV)

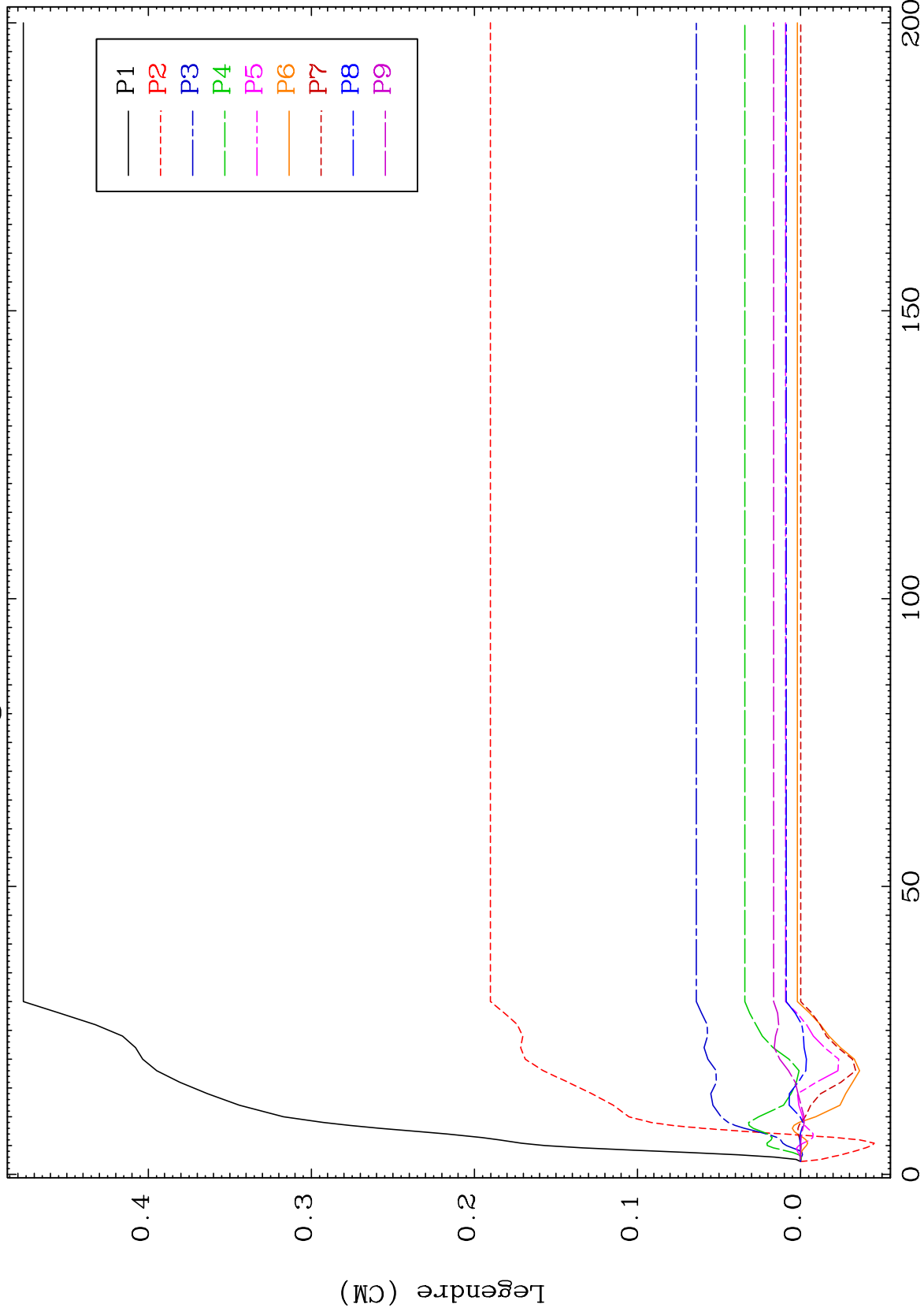
50-Sn-120



MAT 5049

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

50-Sn-120



37

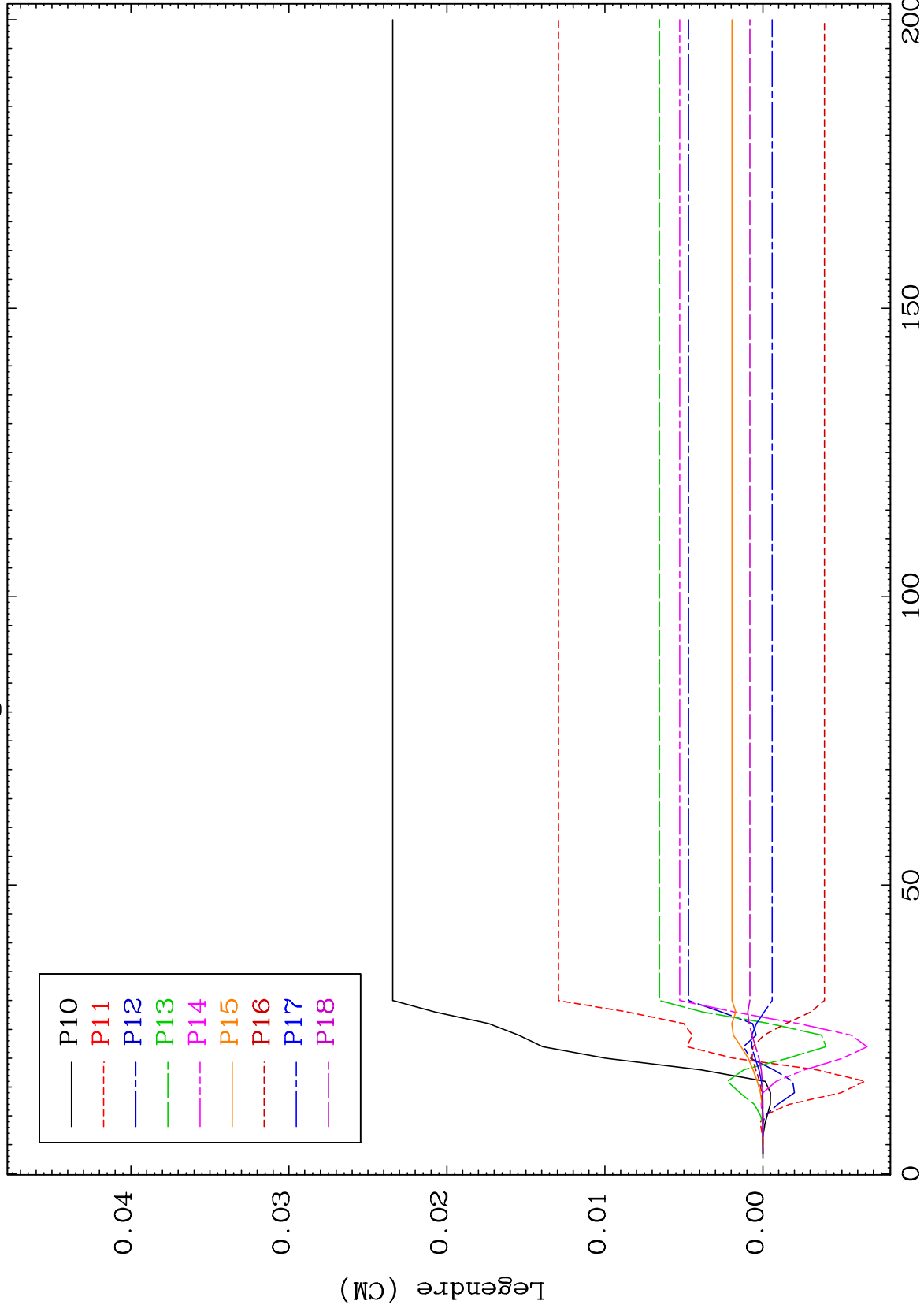
Incident Energy (MeV)

50-Sn-120

MAT 5049

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

50-Sn-120



38

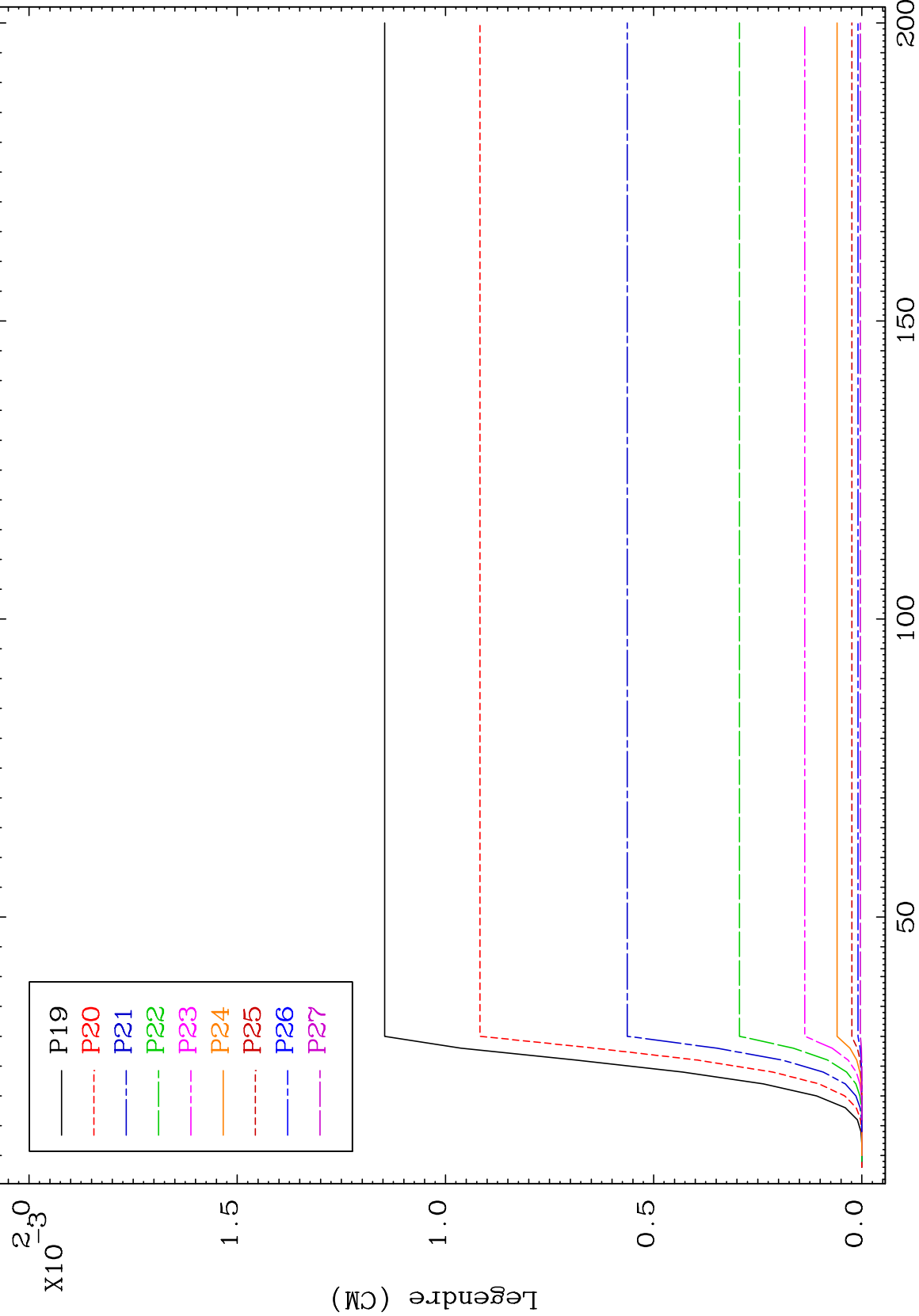
Incident Energy (MeV)

50-Sn-120

MAT 5049

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

50-Sn-120



39

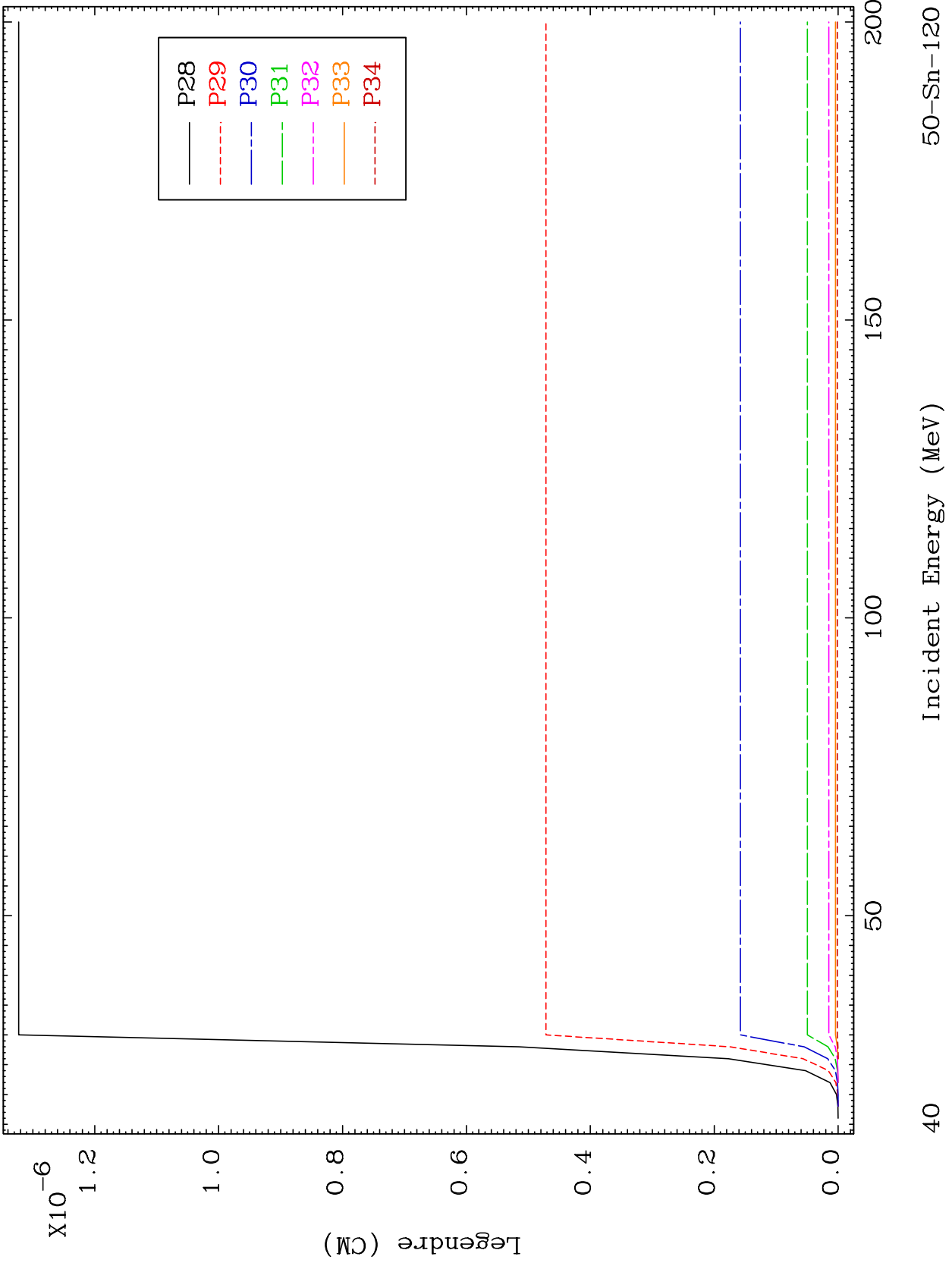
Incident Energy (MeV)

50-Sn-120

MAT 5049

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

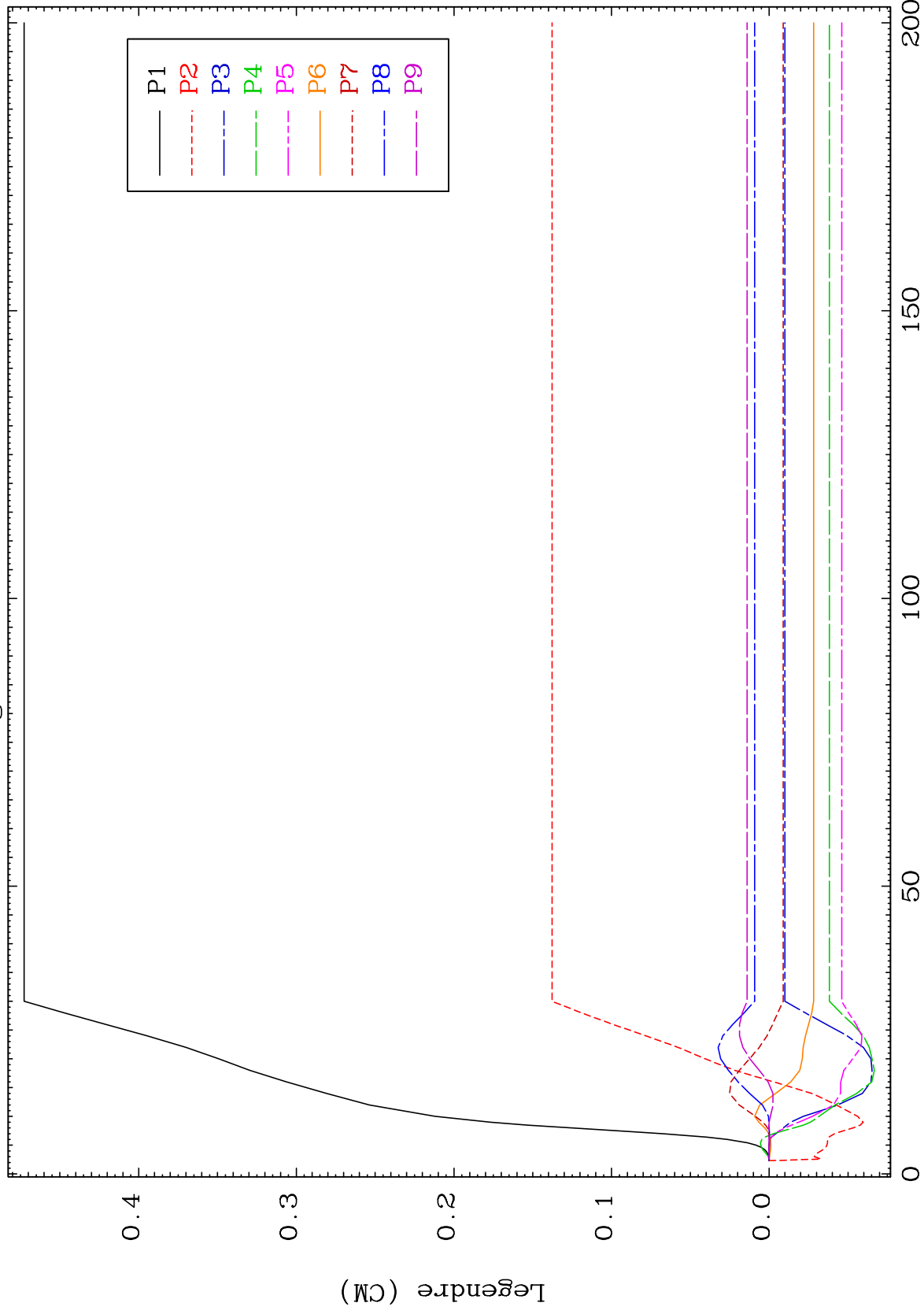
50-Sn-120



MAT 5049

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

50-Sn-120



41

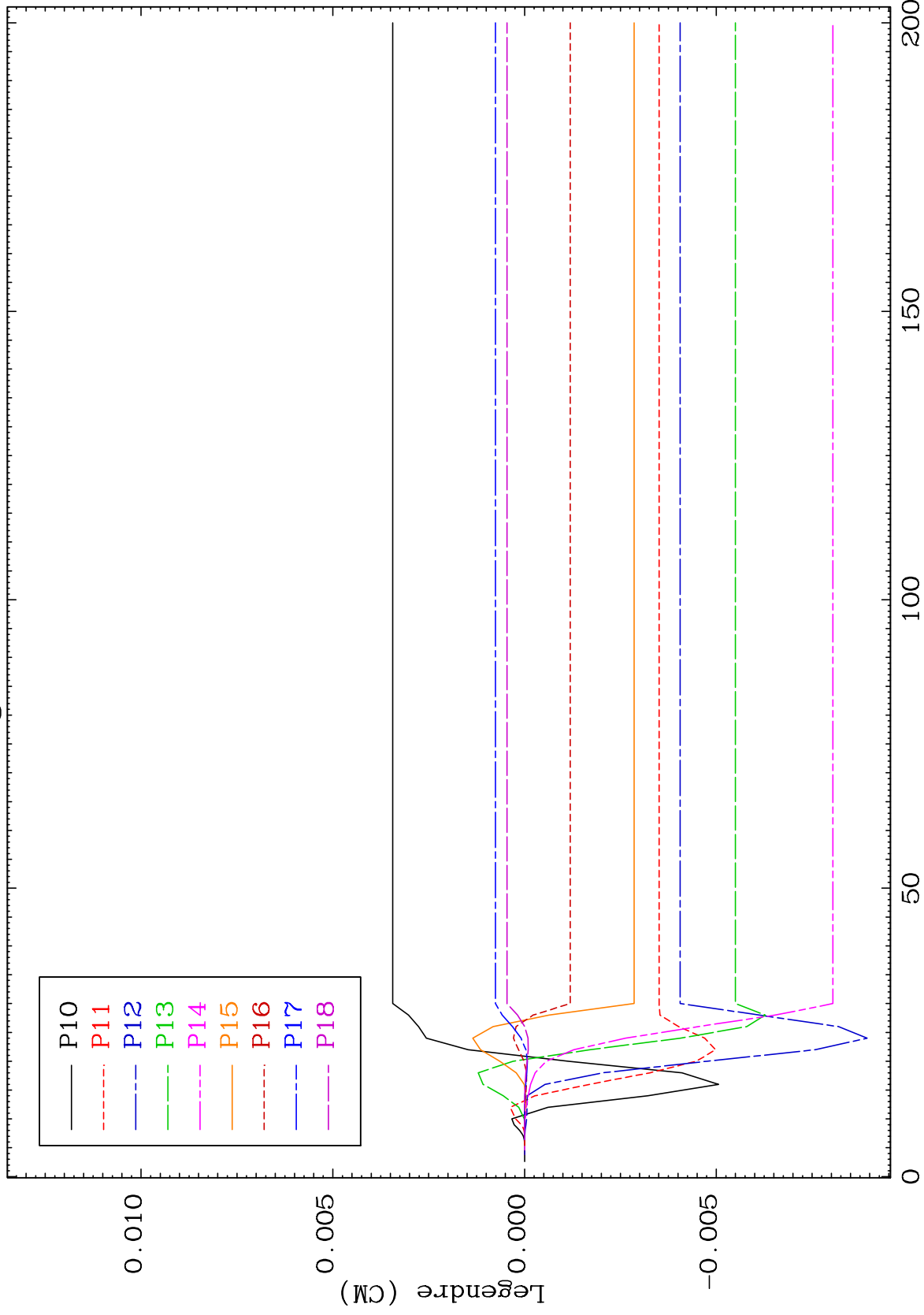
Incident Energy (MeV)

50-Sn-120

MAT 5049

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

50-Sn-120



42

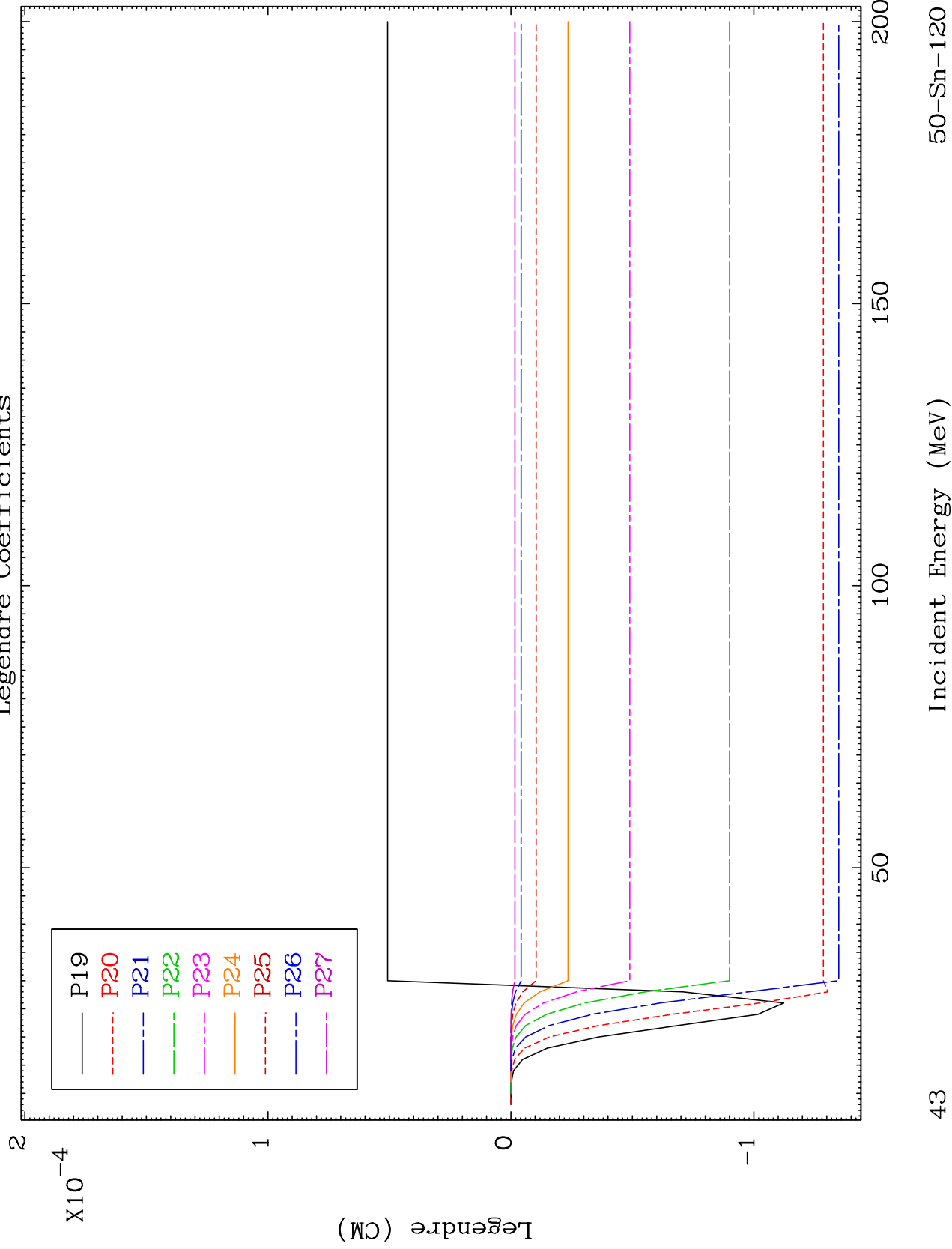
Incident Energy (MeV)

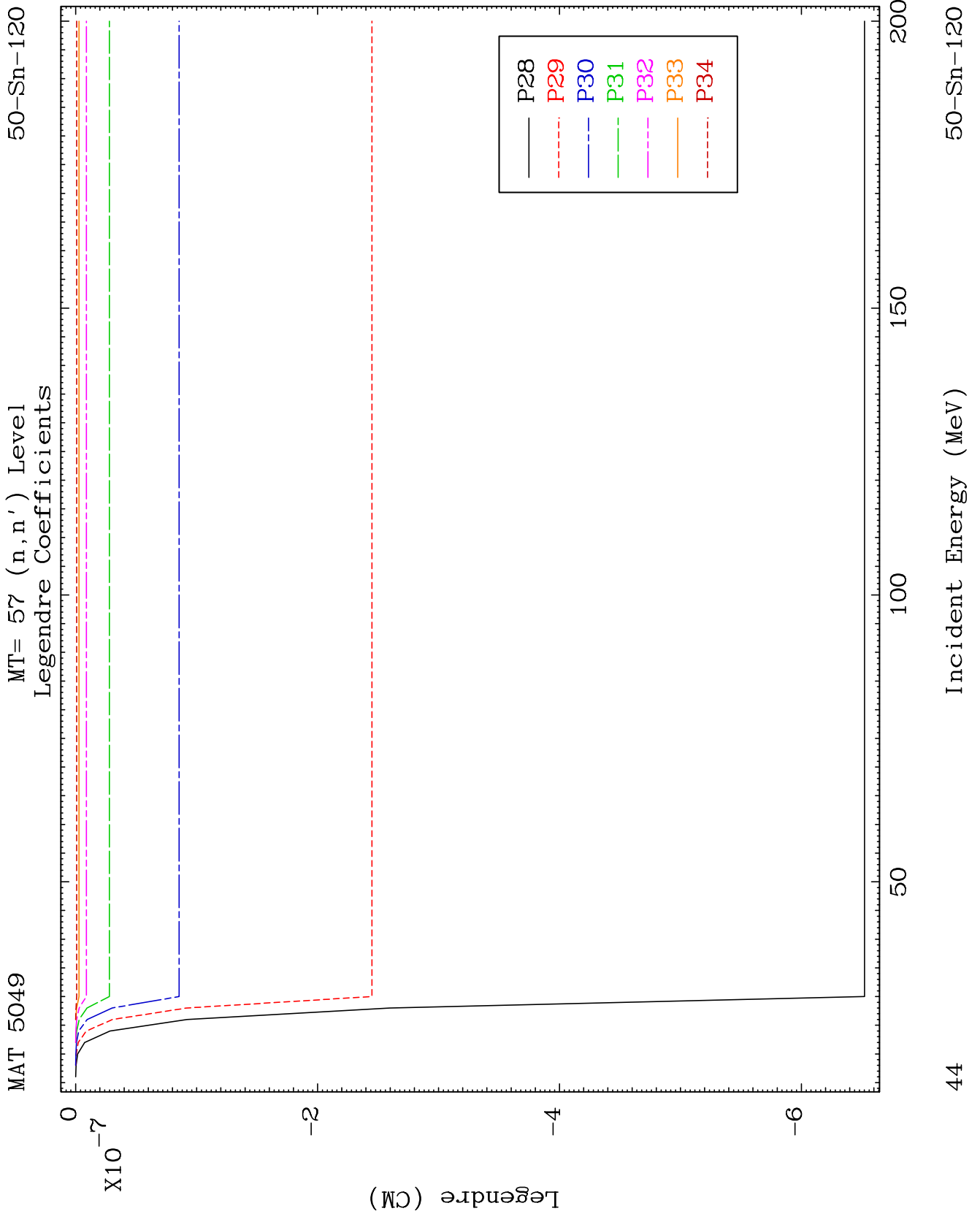
50-Sn-120

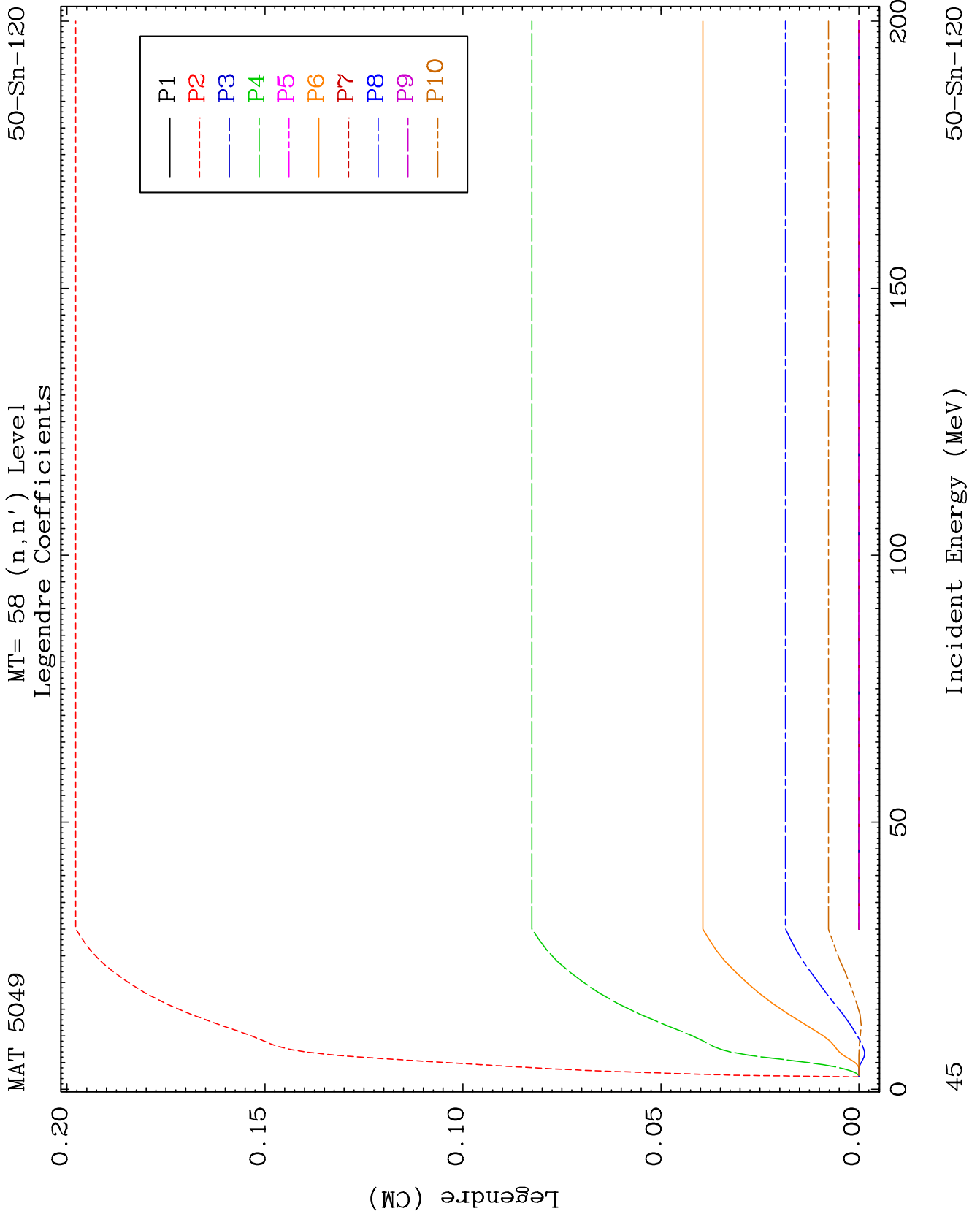
MAT 5049

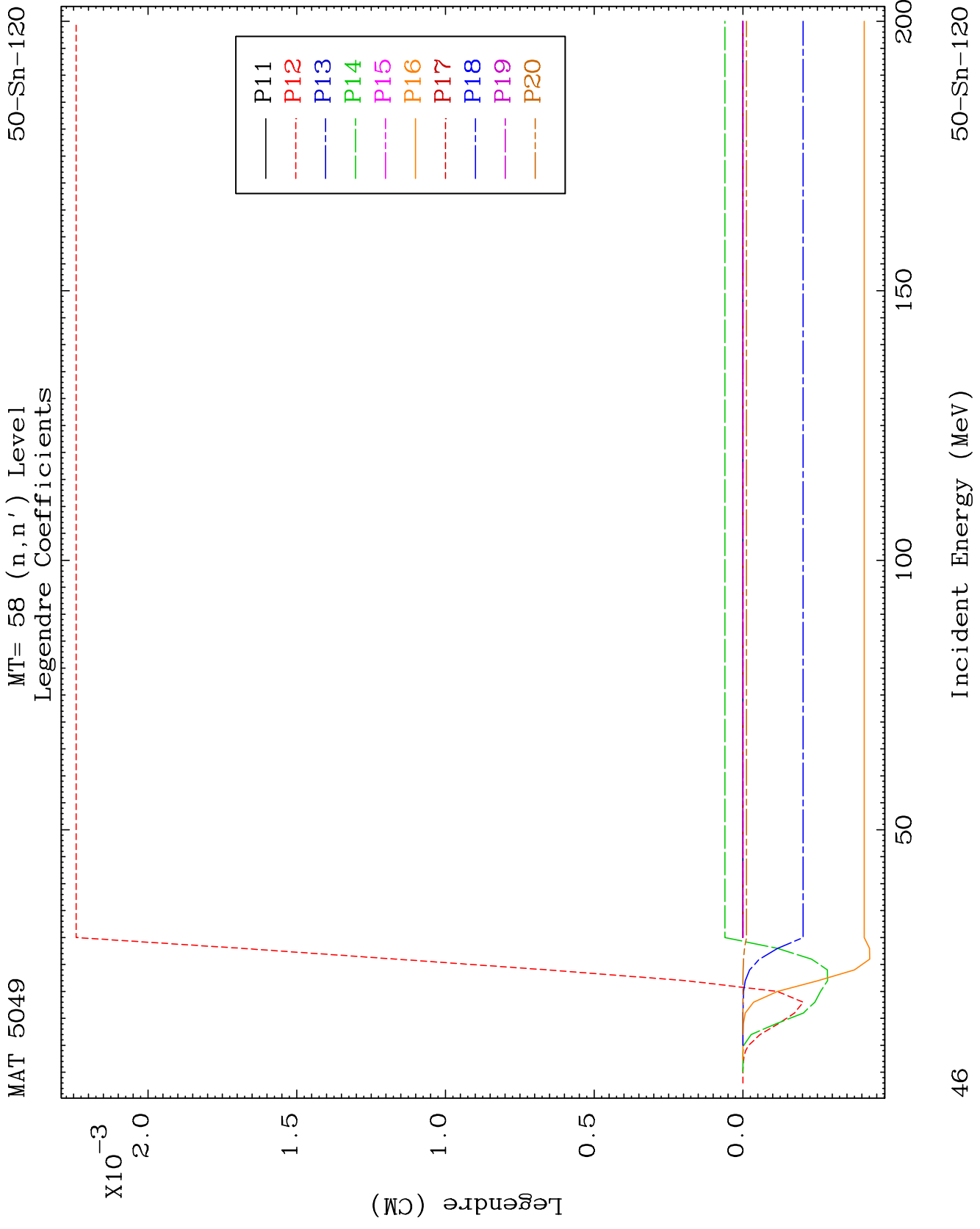
MT= 57 (n,n') Level
Legendre Coefficients

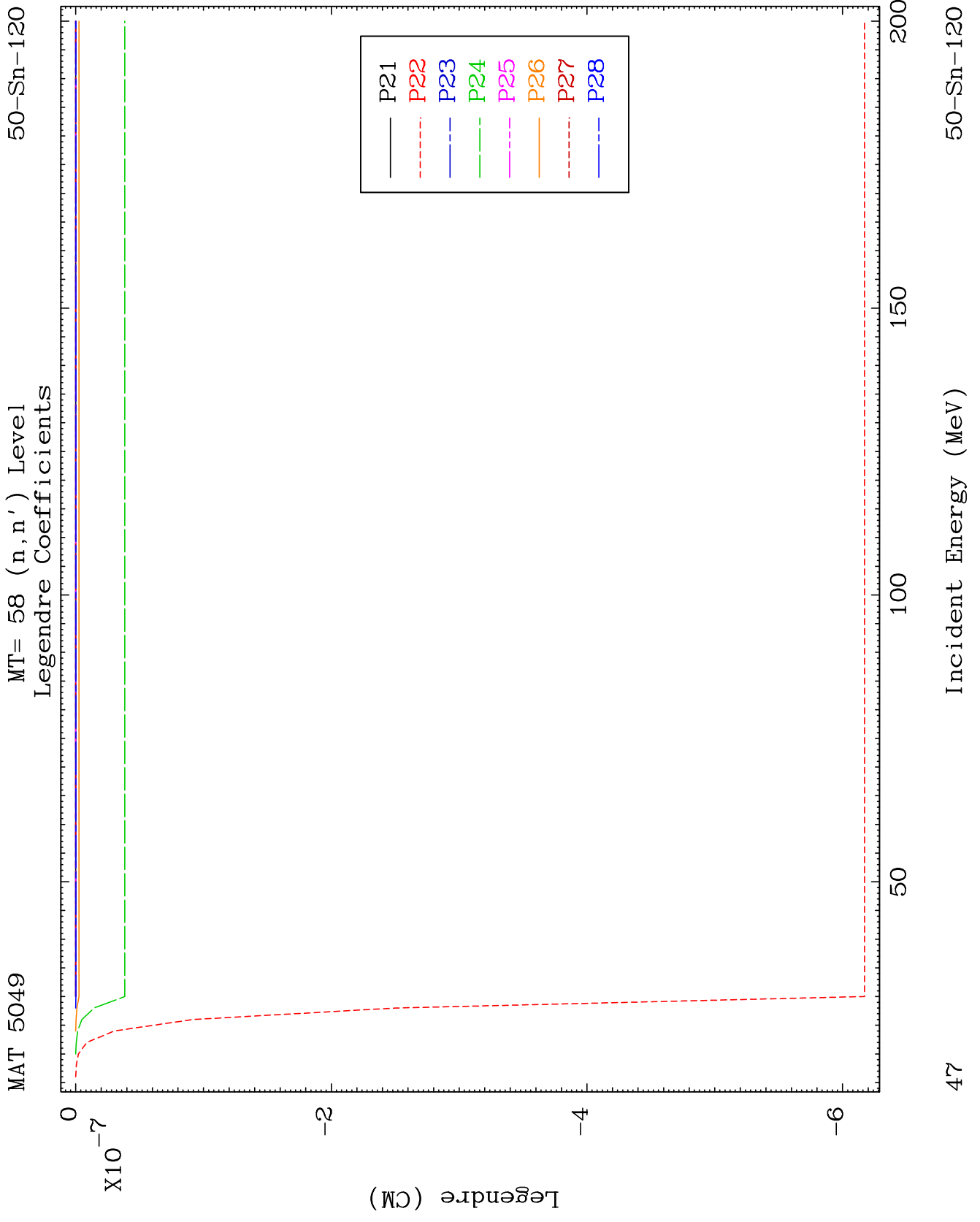
50-Sn-120

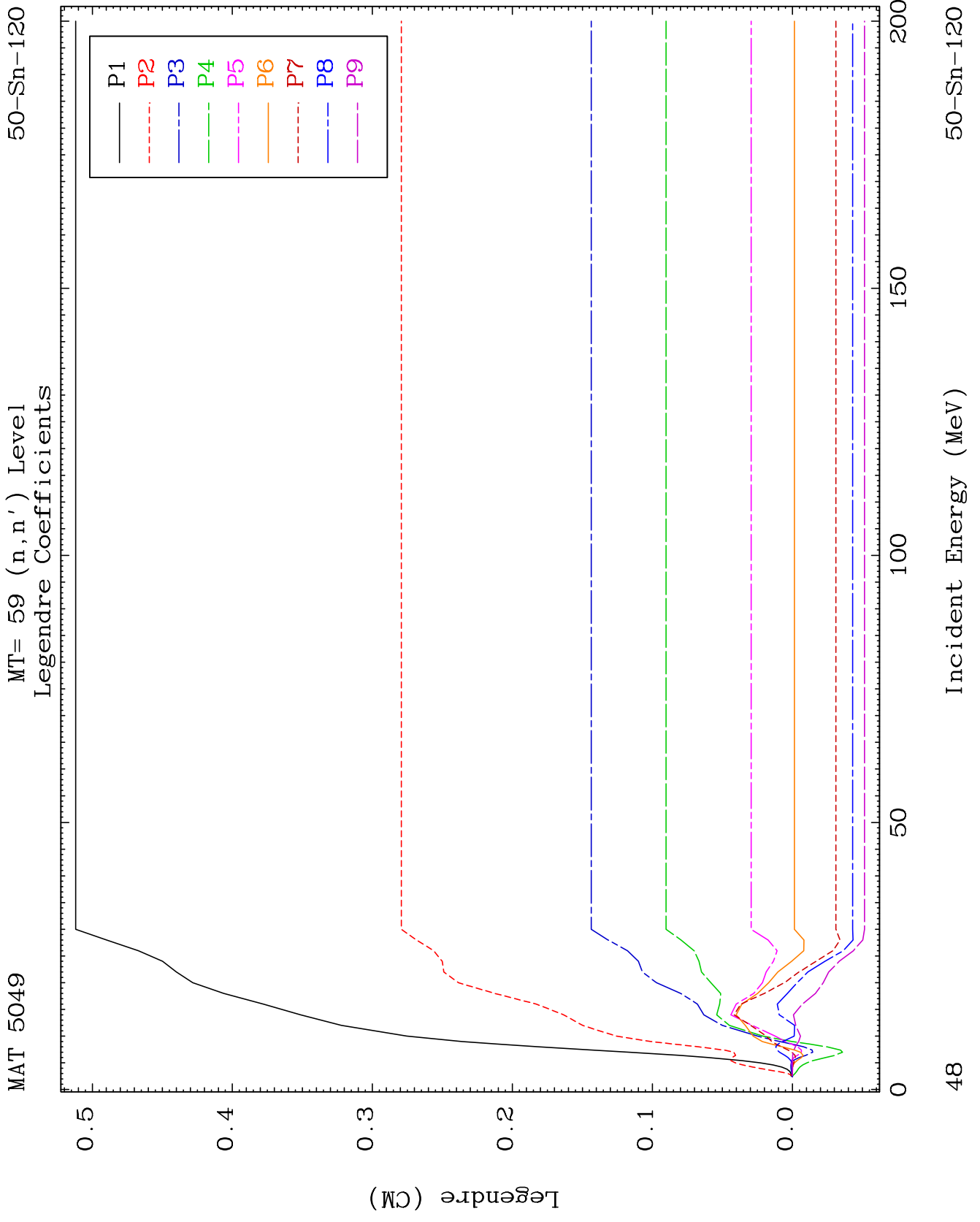


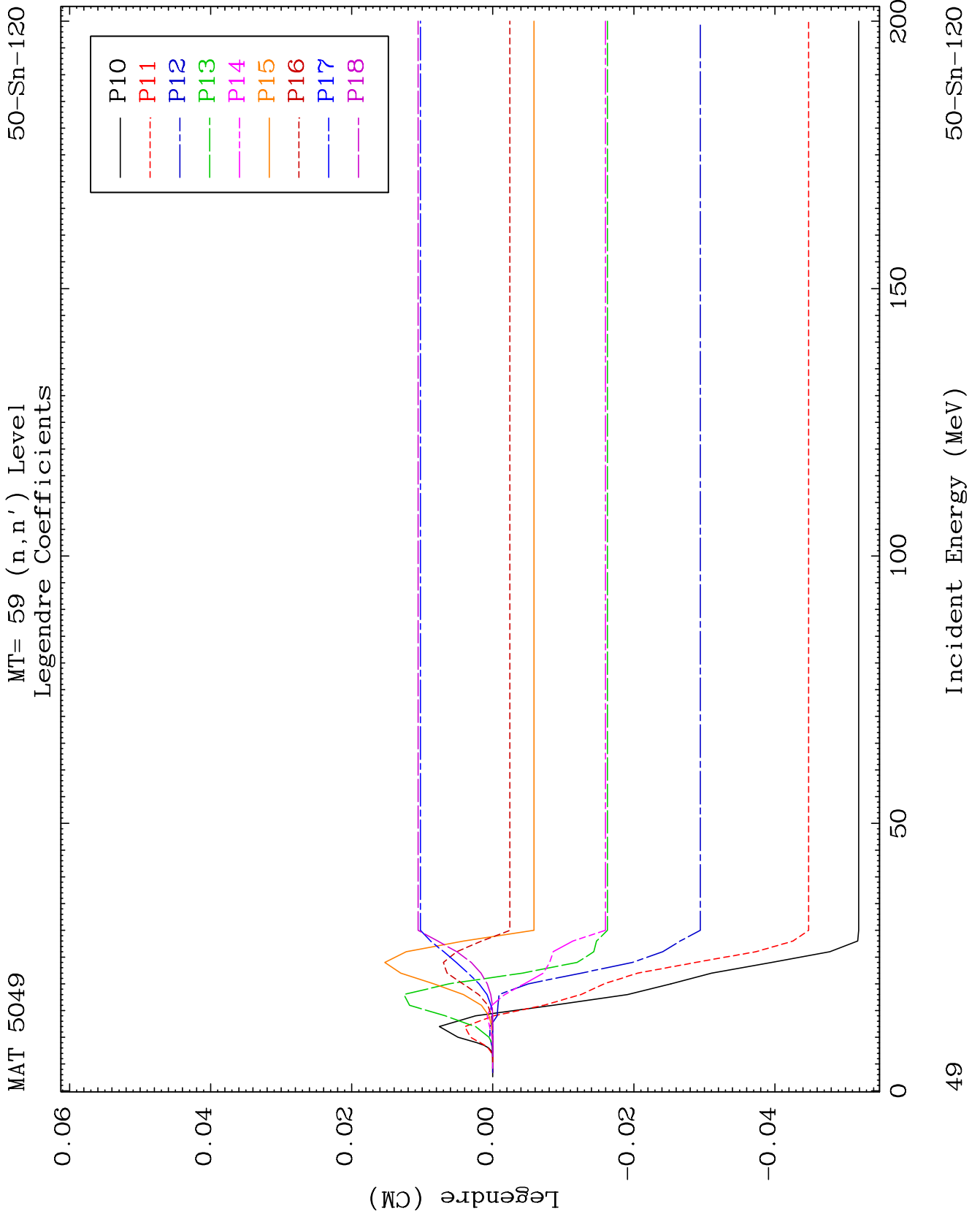


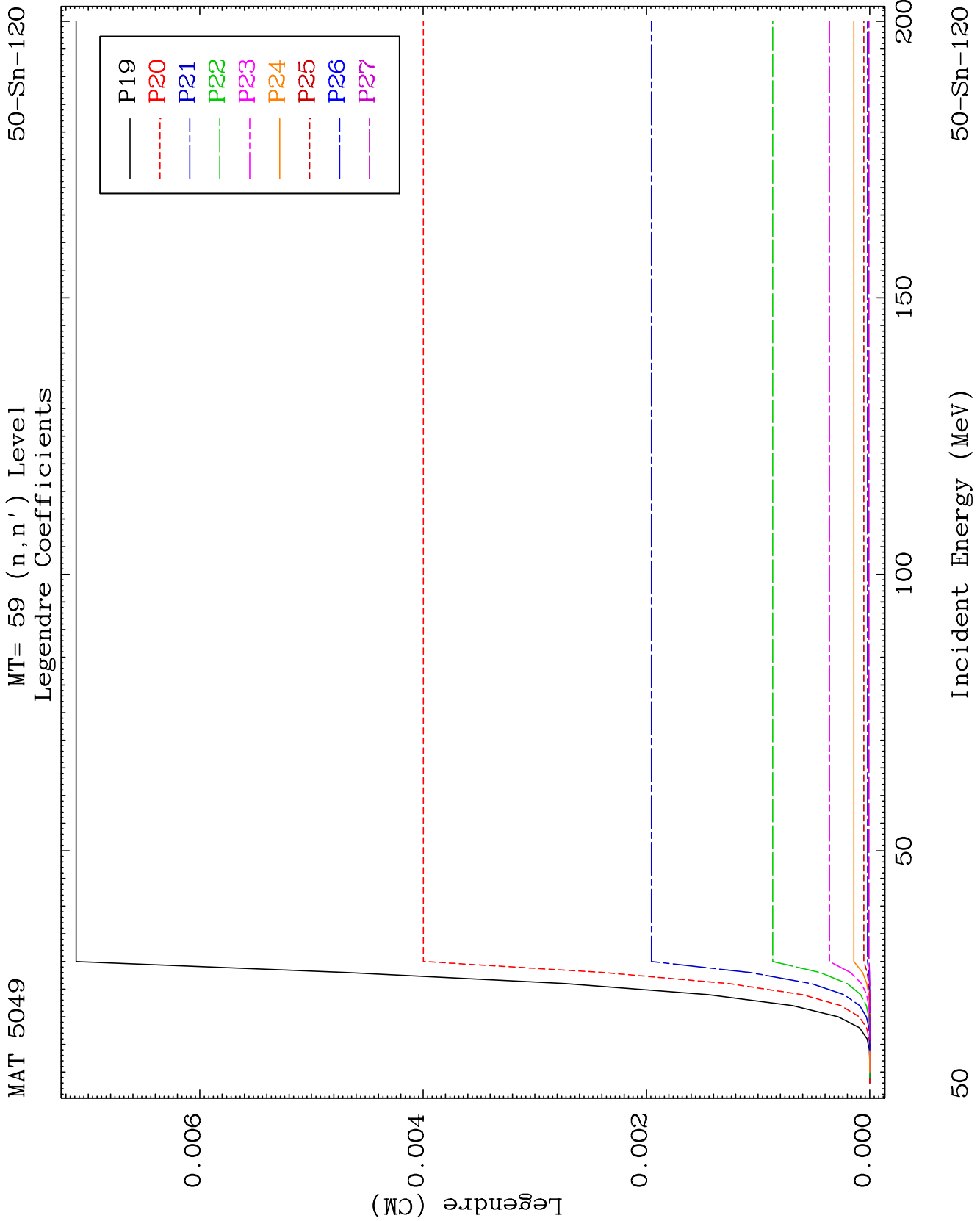


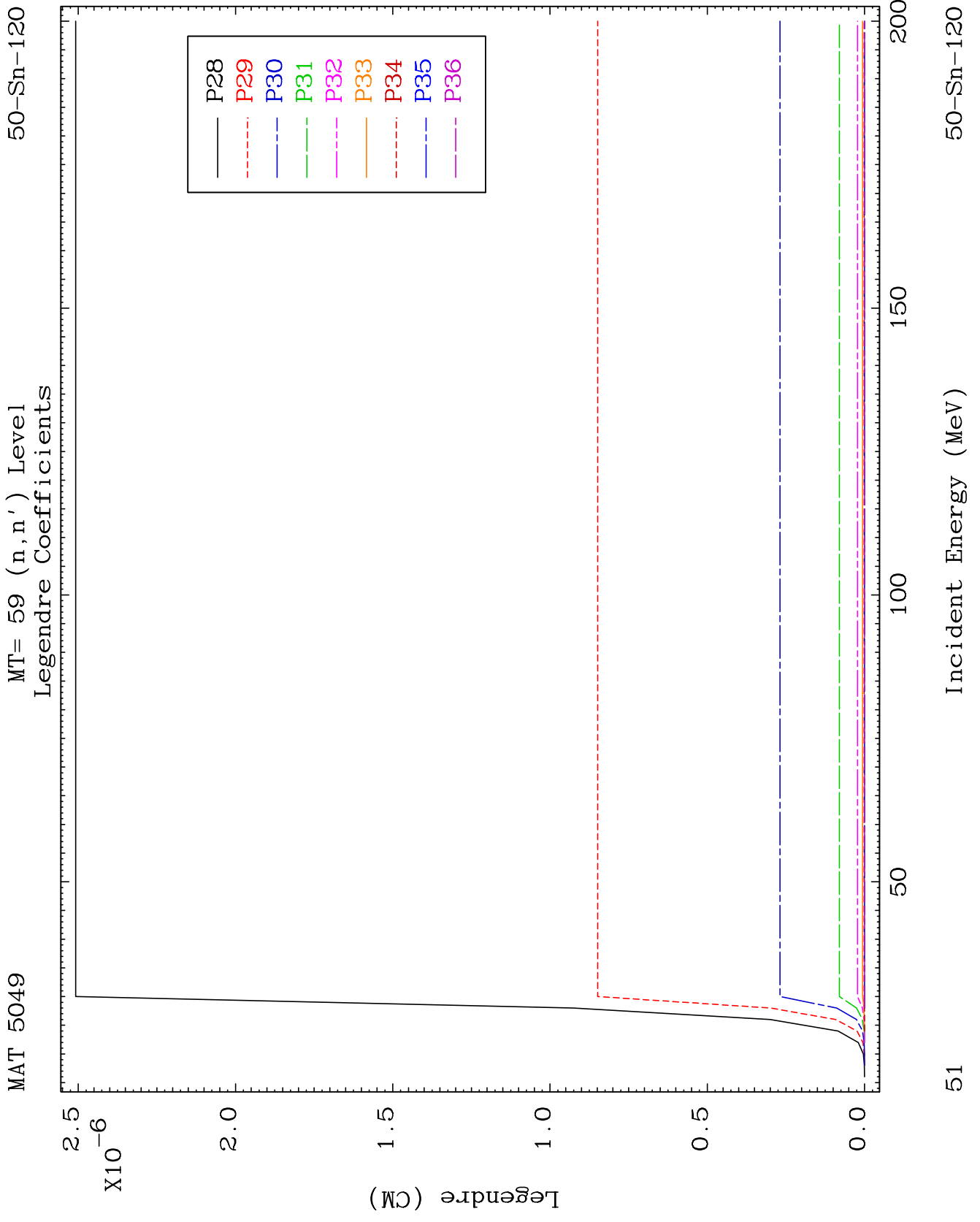








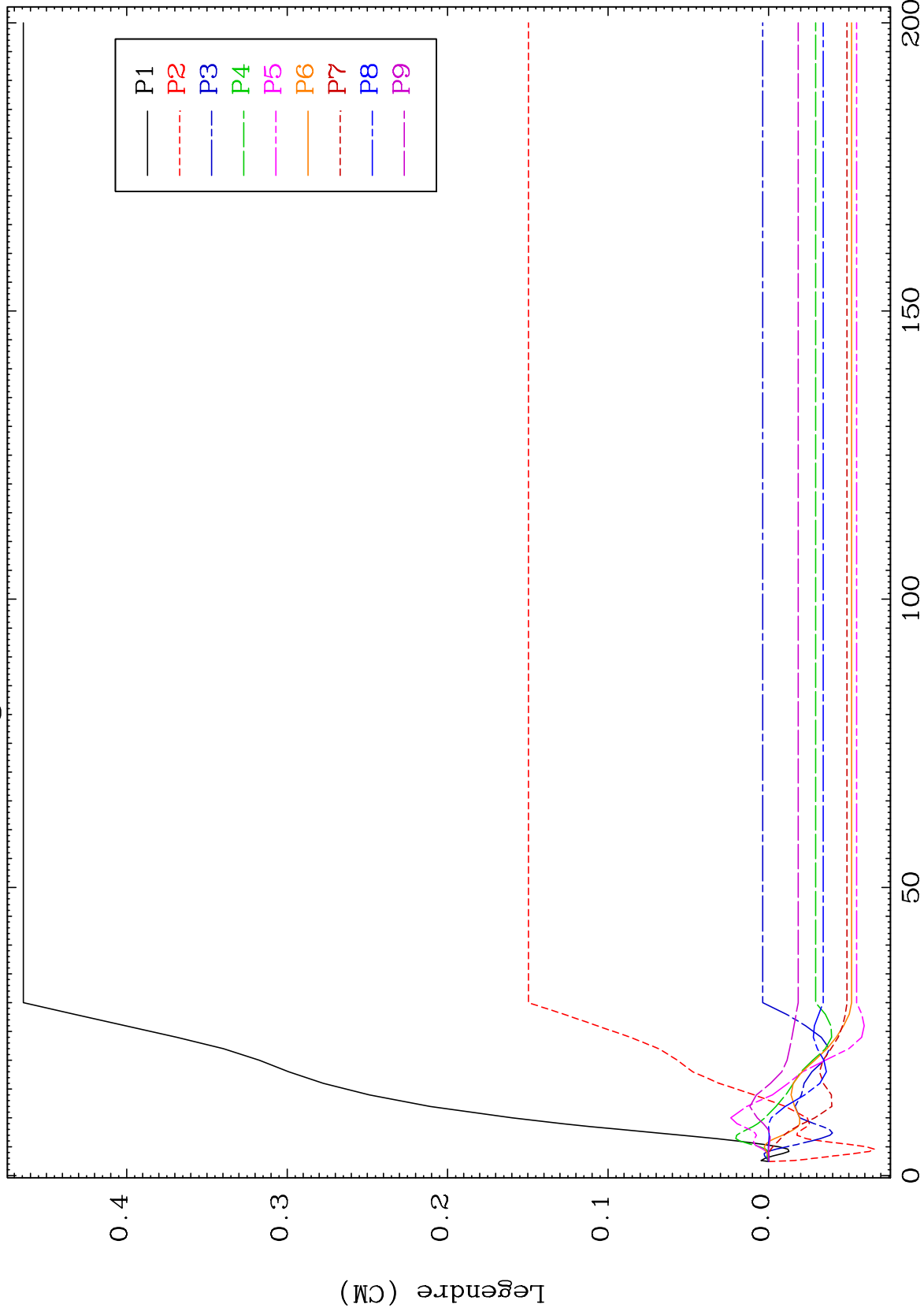




MAT 5049

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

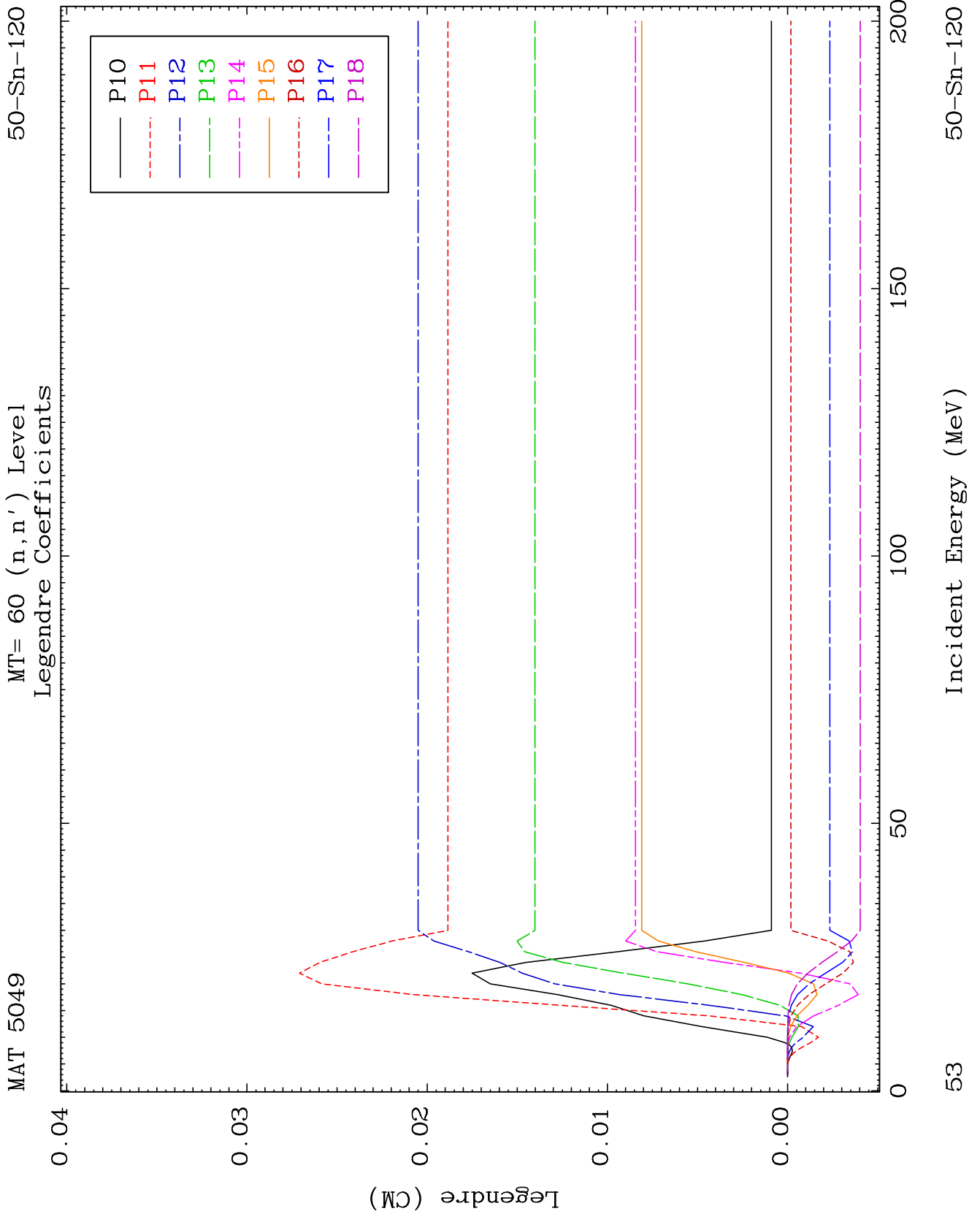
50-Sn-120



52

Incident Energy (MeV)

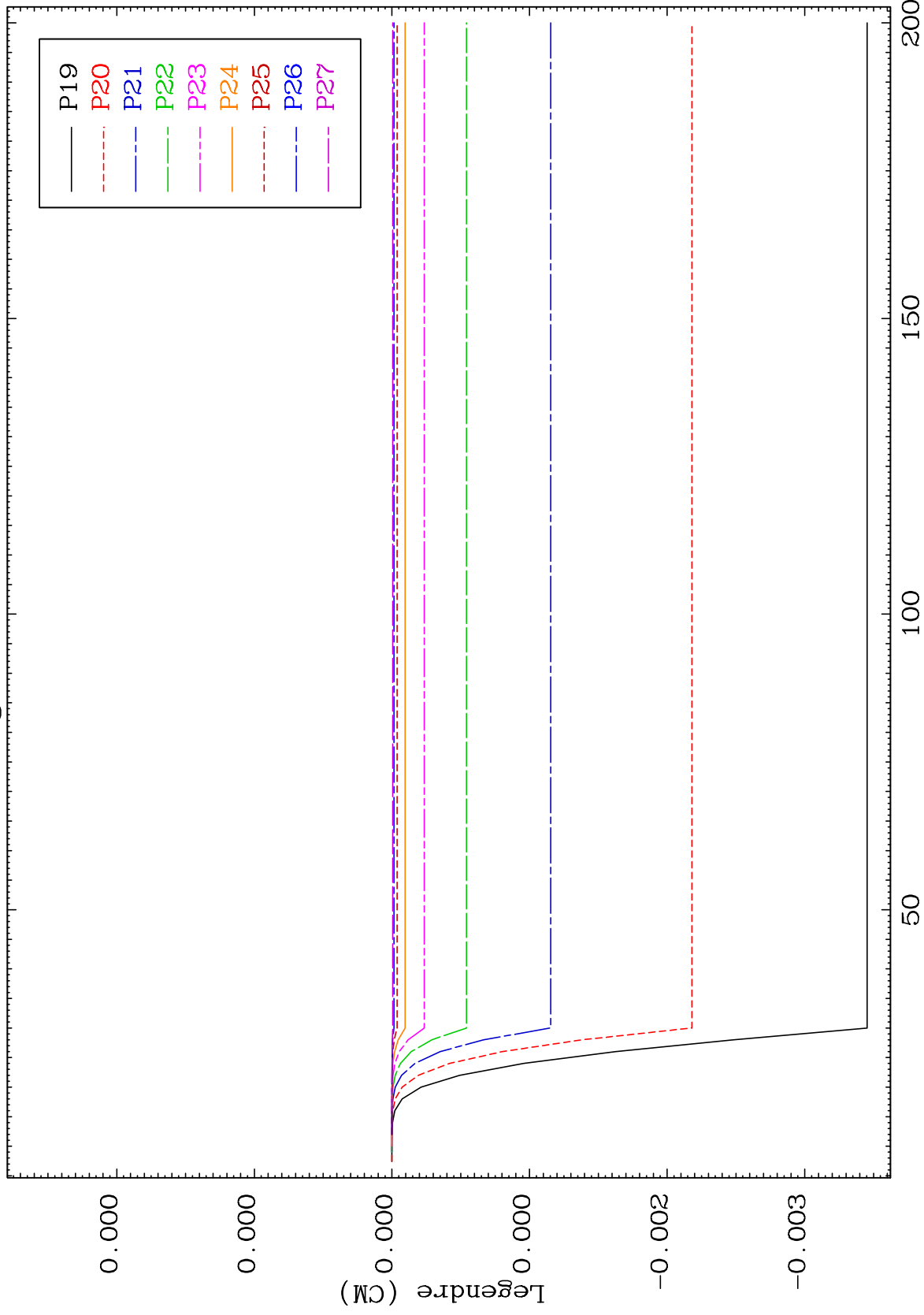
50-Sn-120



MAT 5049

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

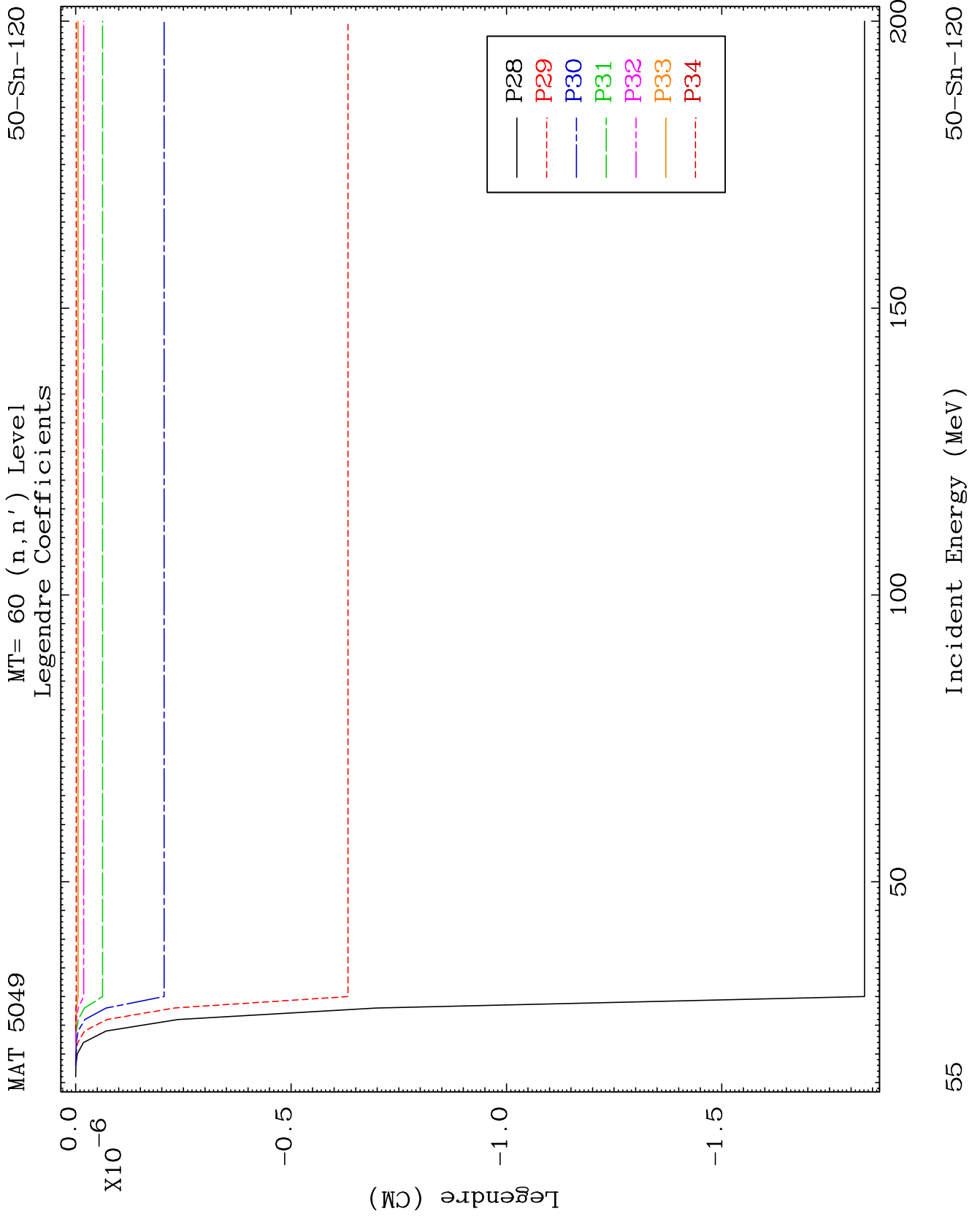
50-Sn-120

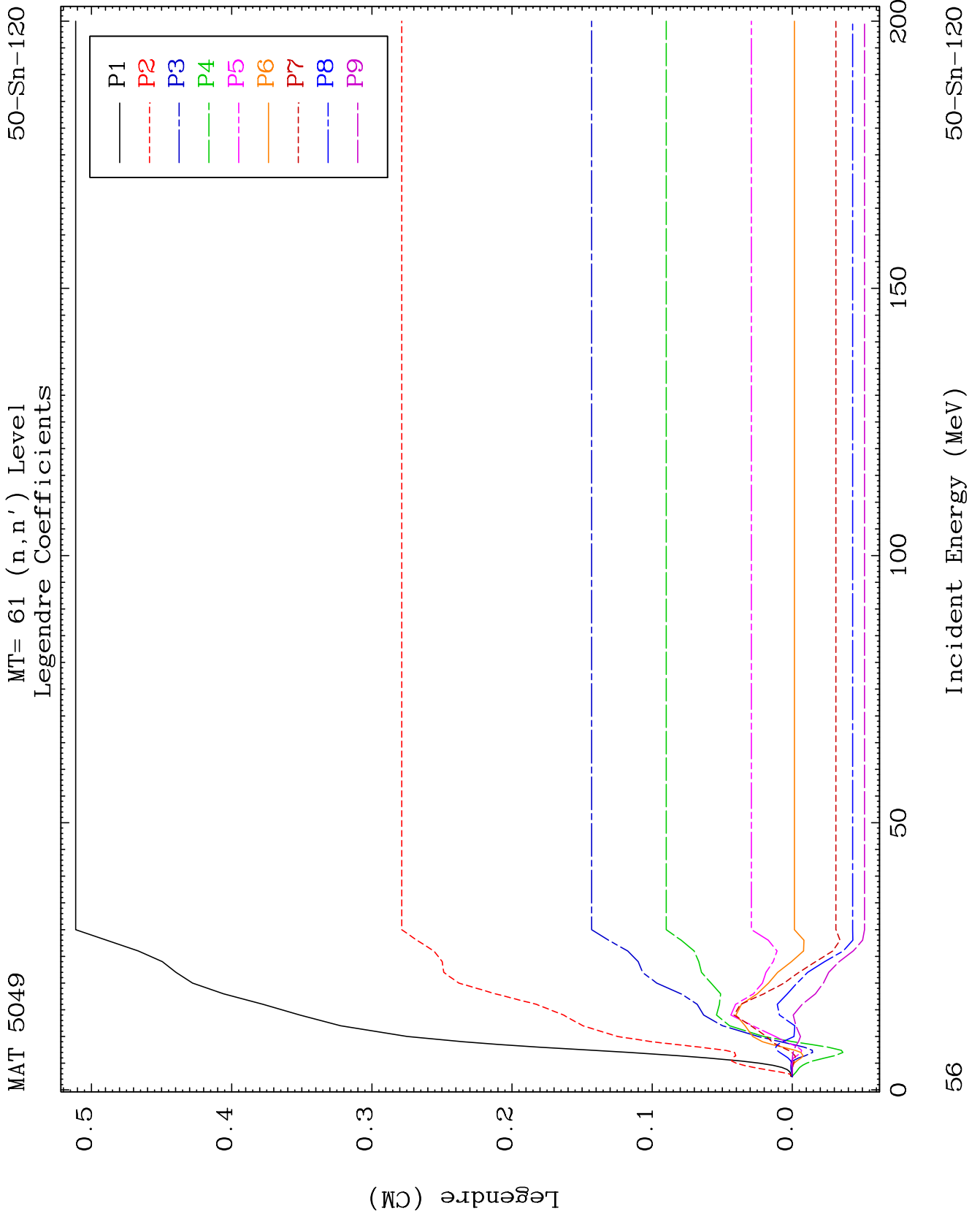


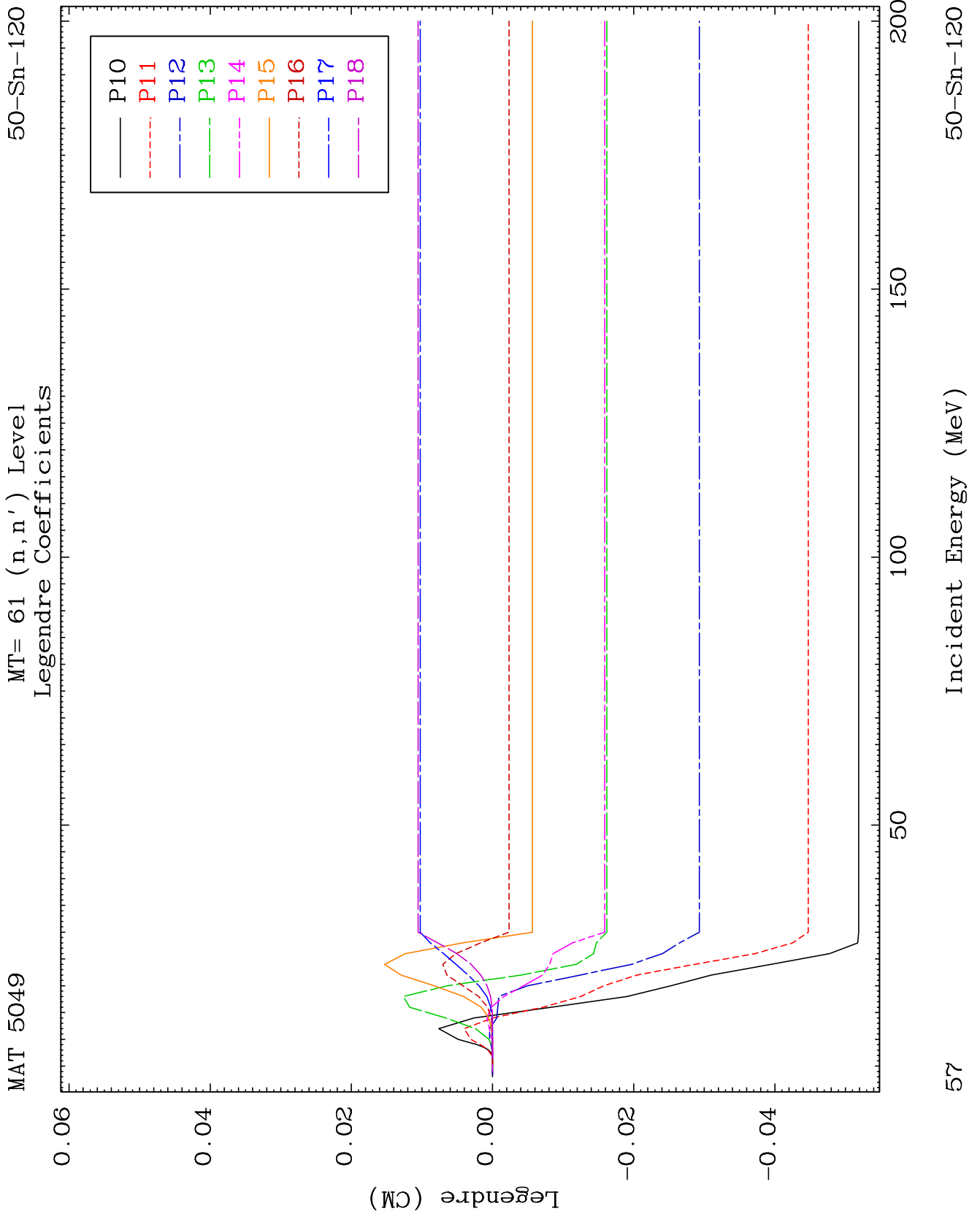
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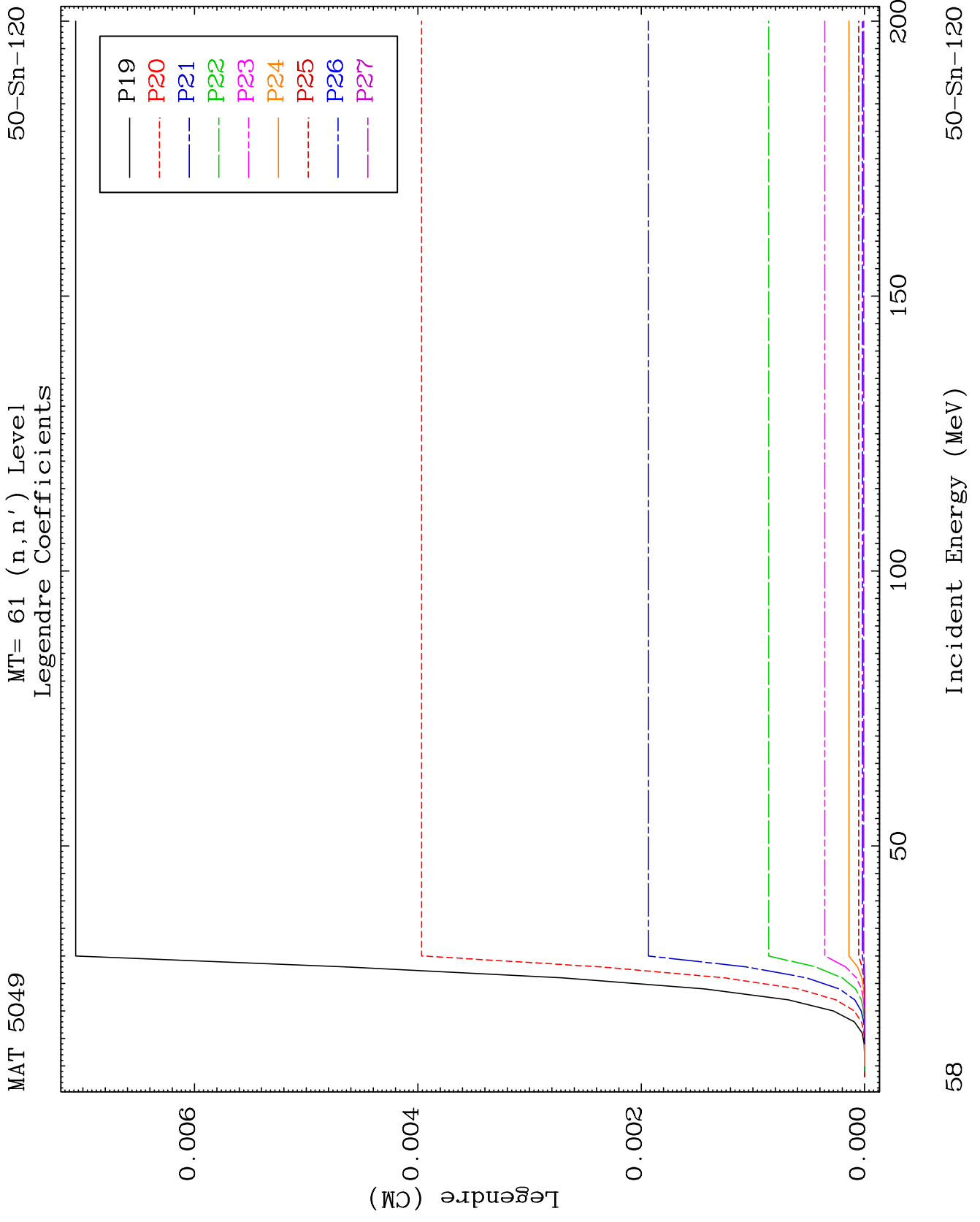
Incident Energy (MeV)

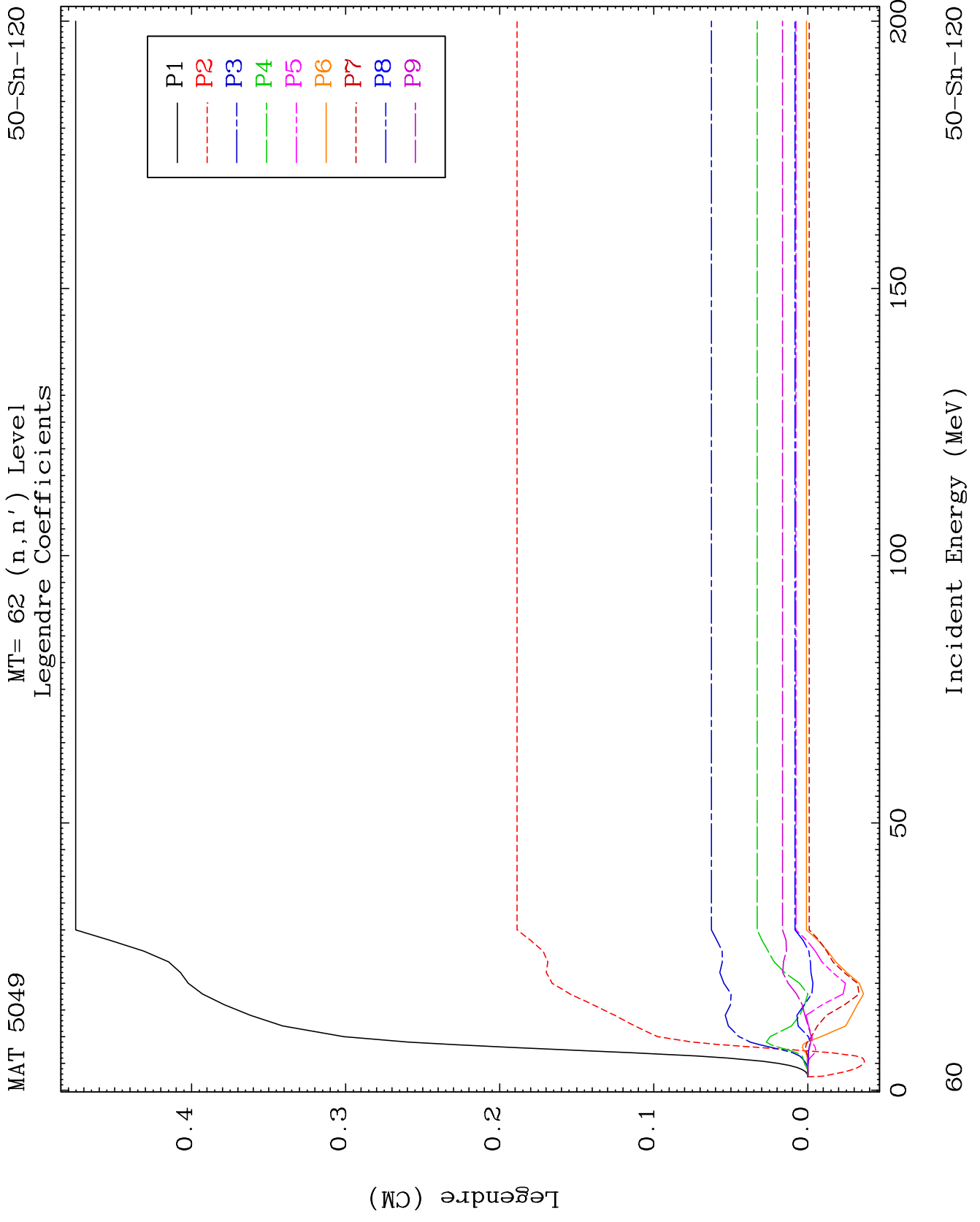
50-Sn-120







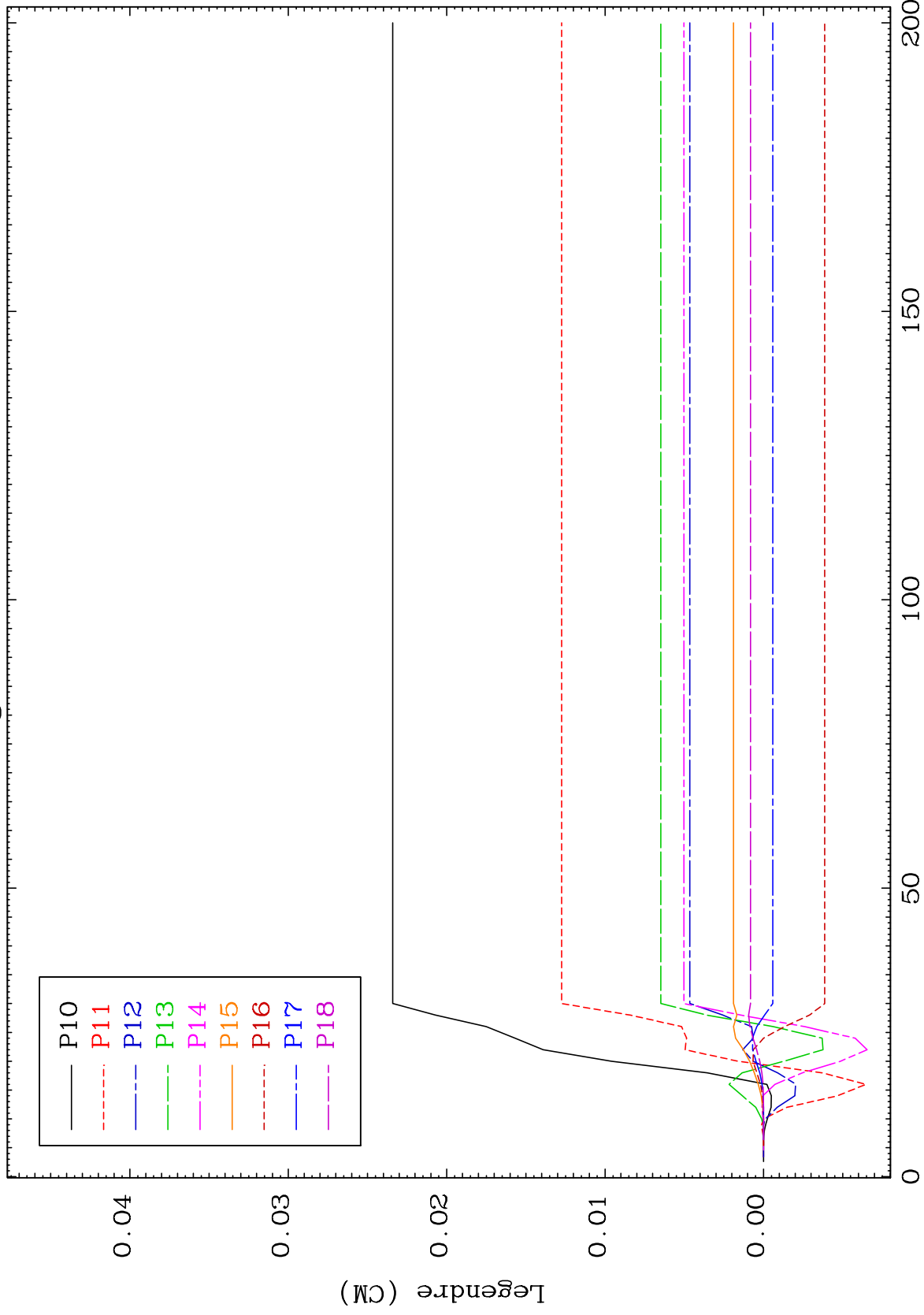




MAT 5049

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

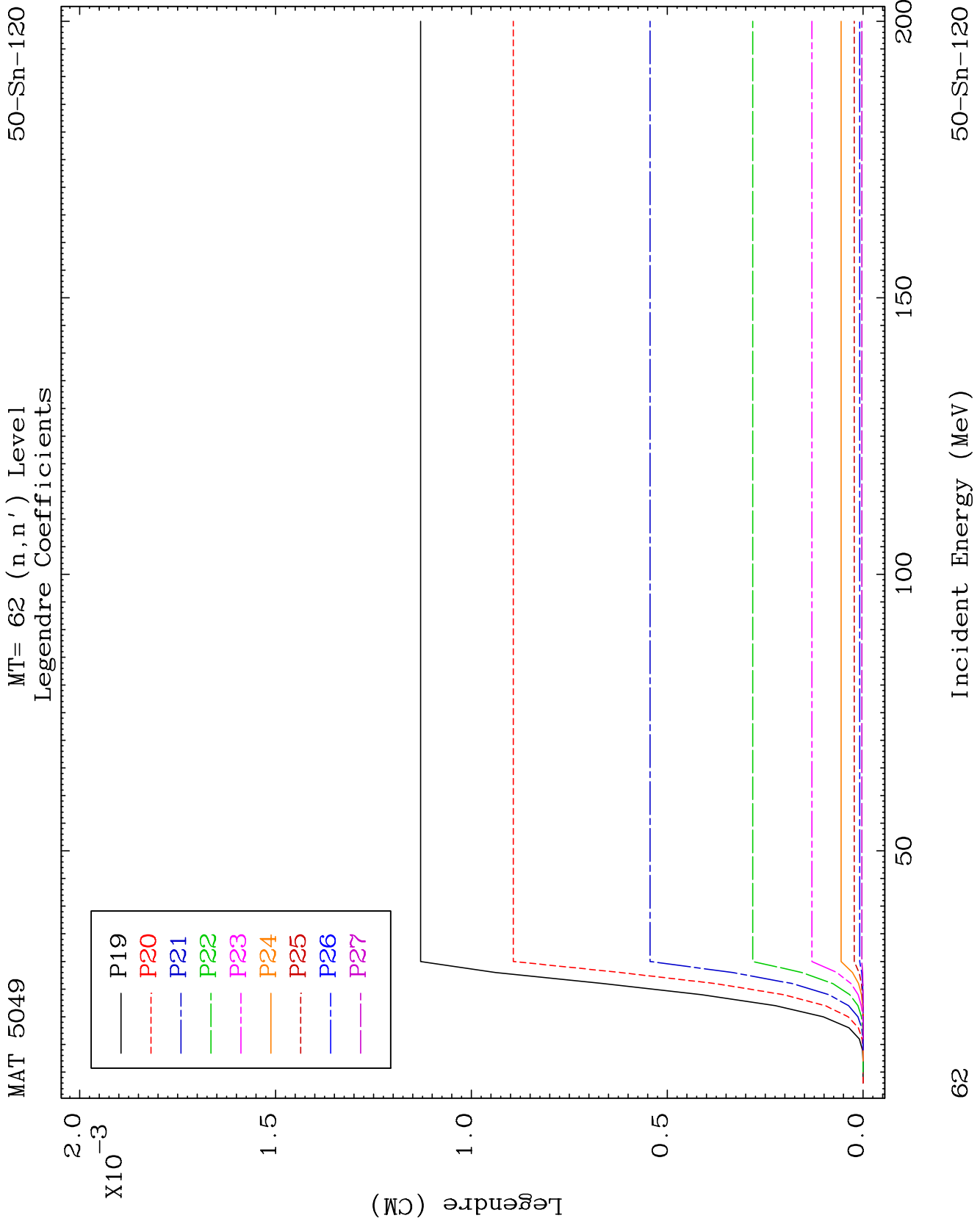
50-Sn-120



61

Incident Energy (MeV)

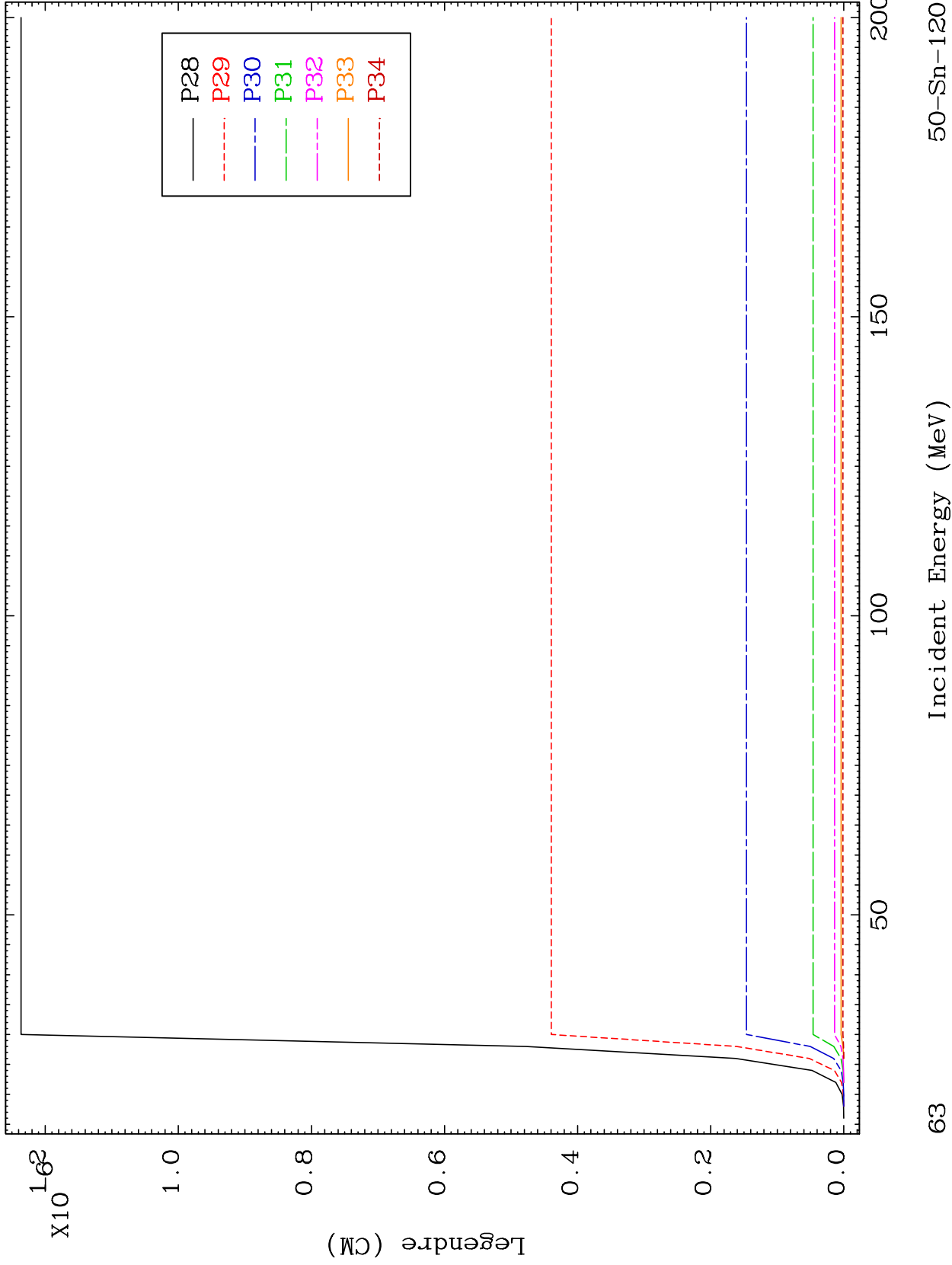
50-Sn-120



MAT 5049

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

50-Sn-120



63

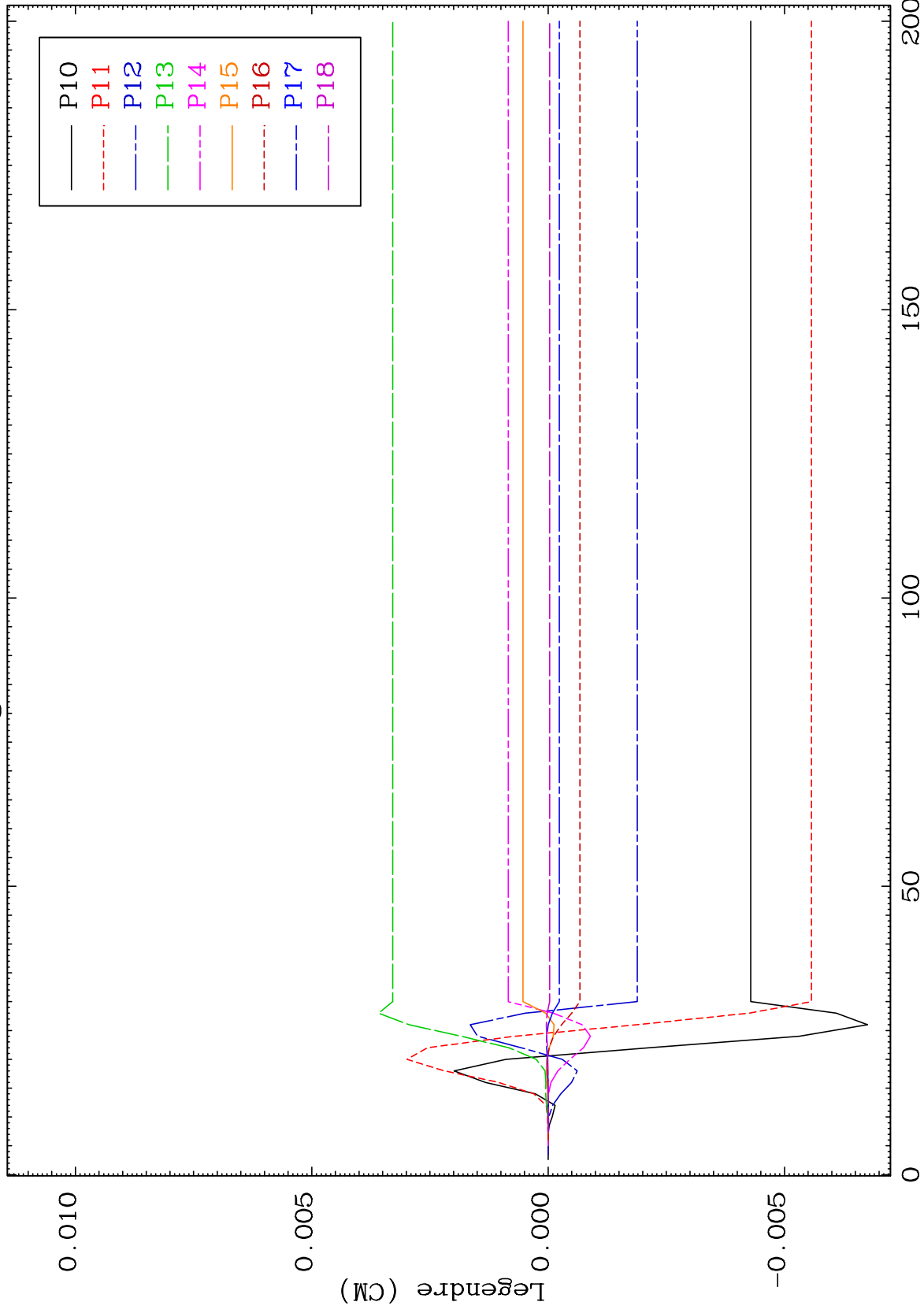
Incident Energy (MeV)

50-Sn-120

MAT 5049

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

50-Sn-120



65

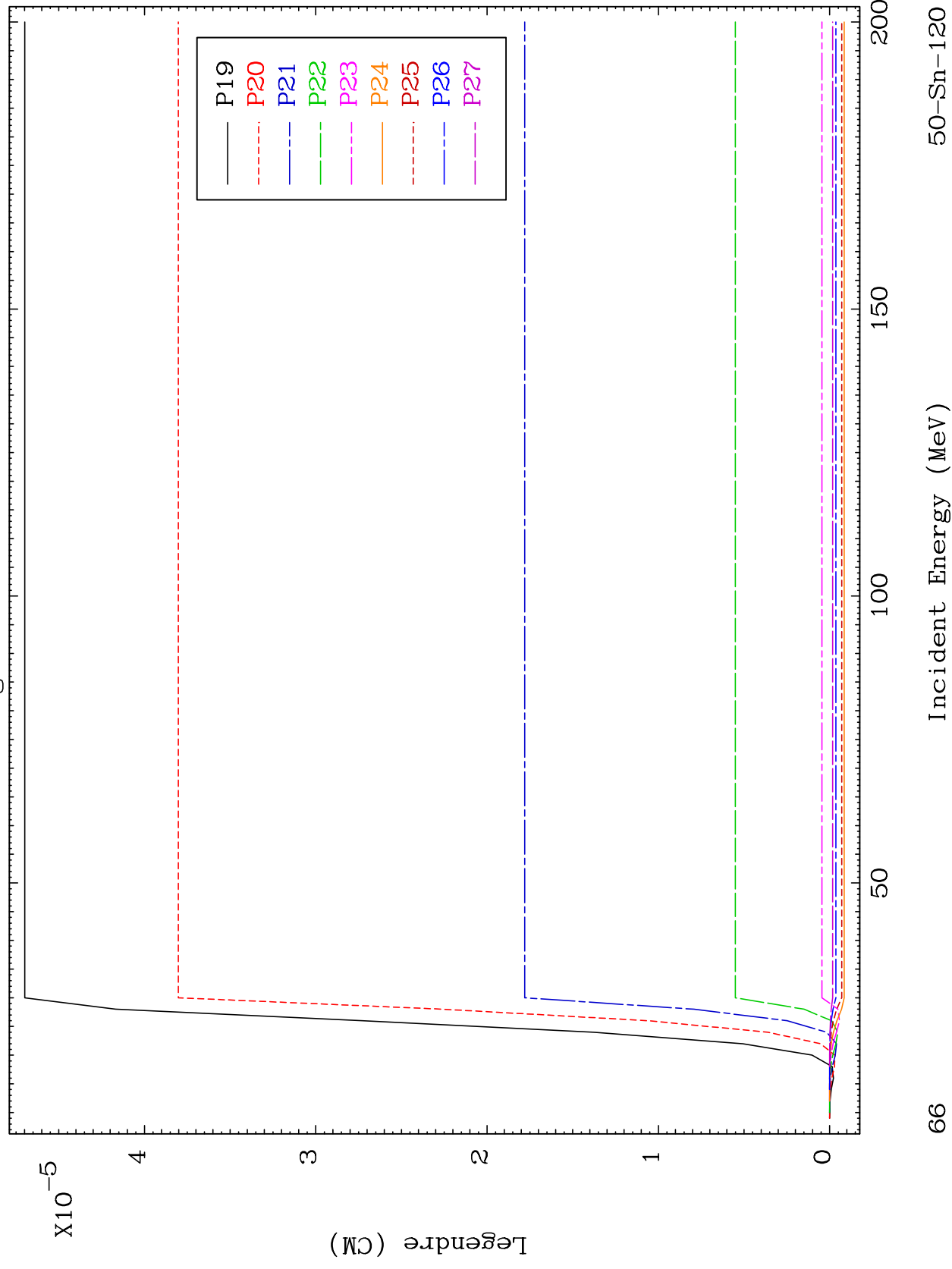
Incident Energy (MeV)

50-Sn-120

MAT 5049

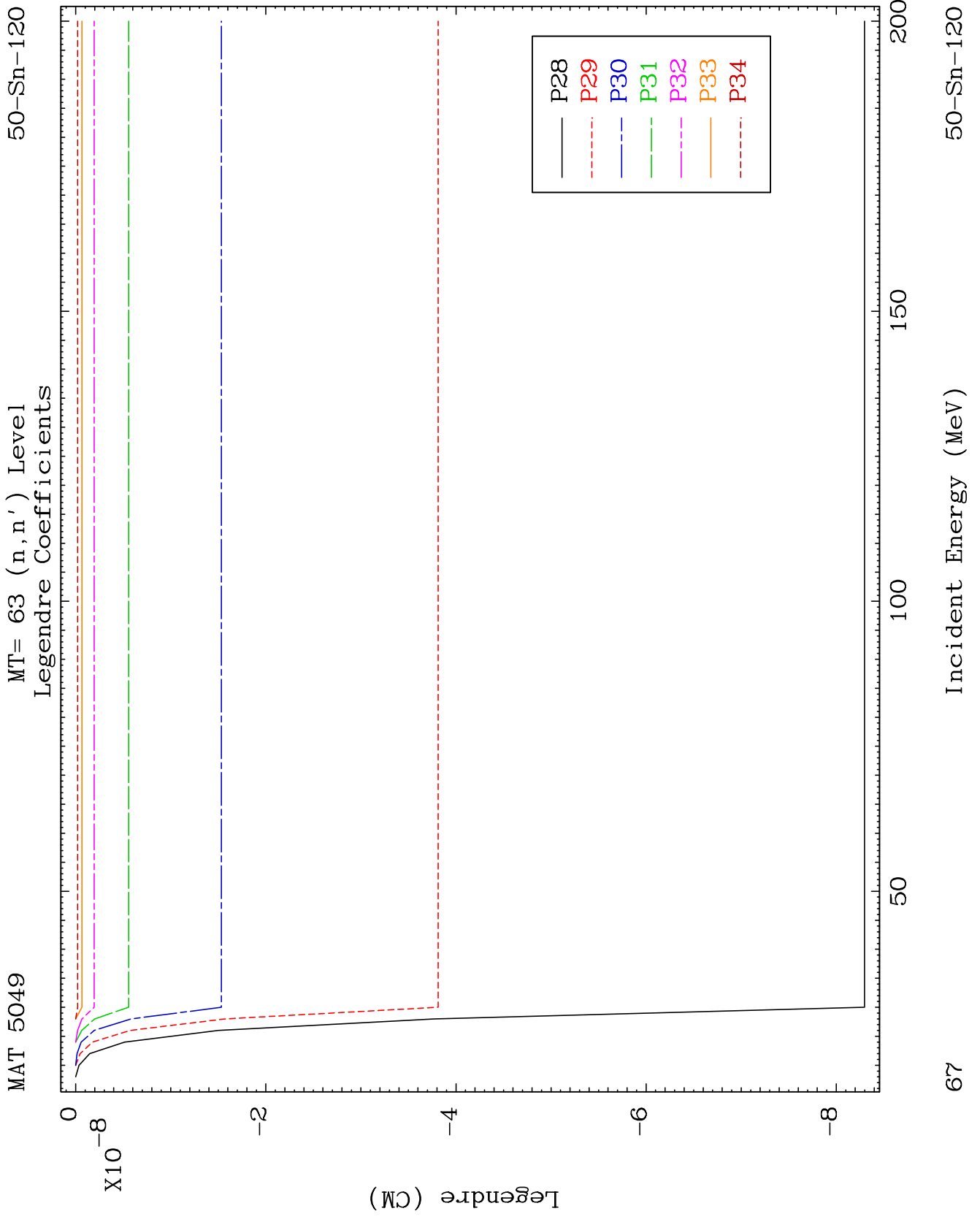
MT= 63 (n,n') Level
Legendre Coefficients

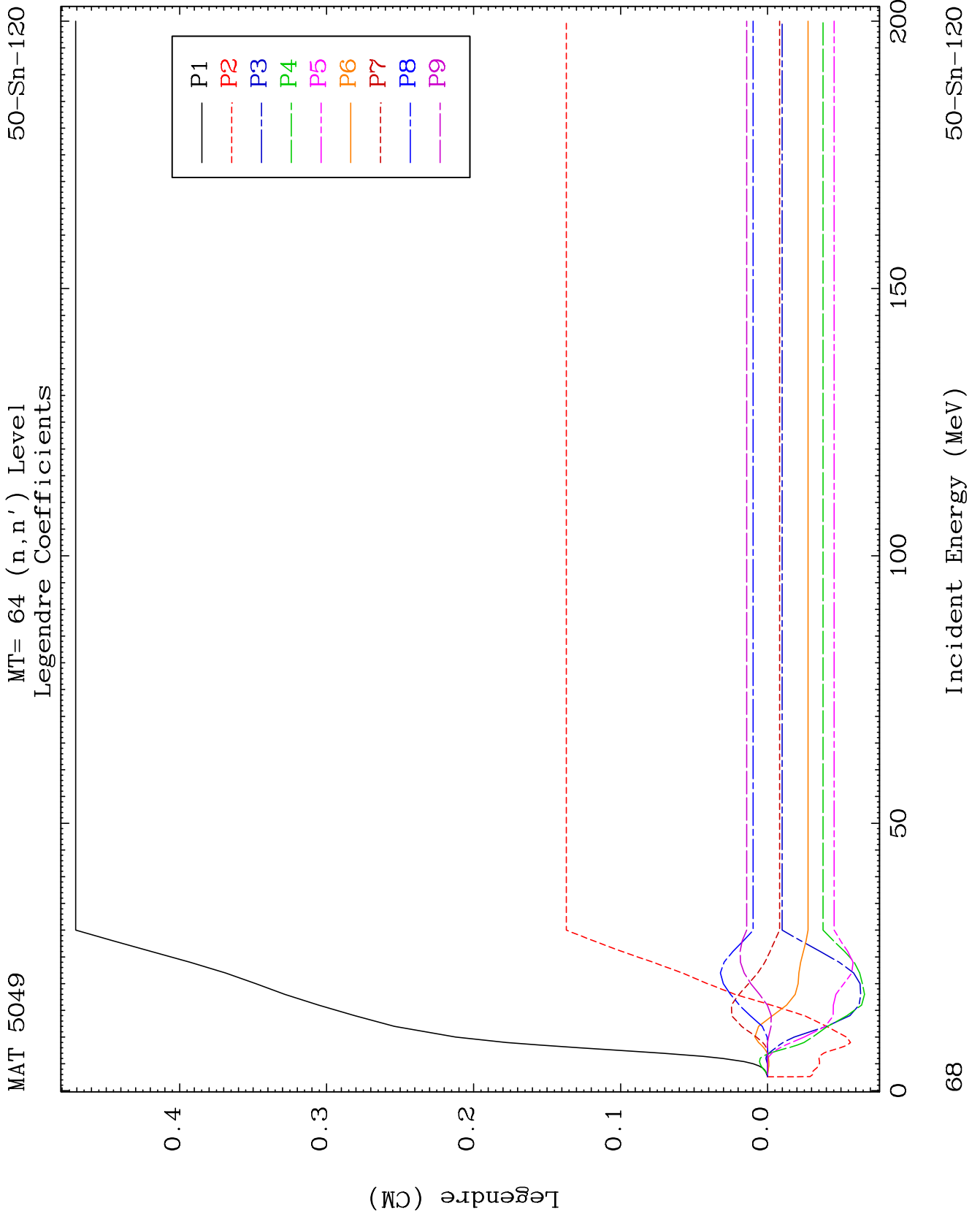
50-Sn-120



66

50-Sn-120

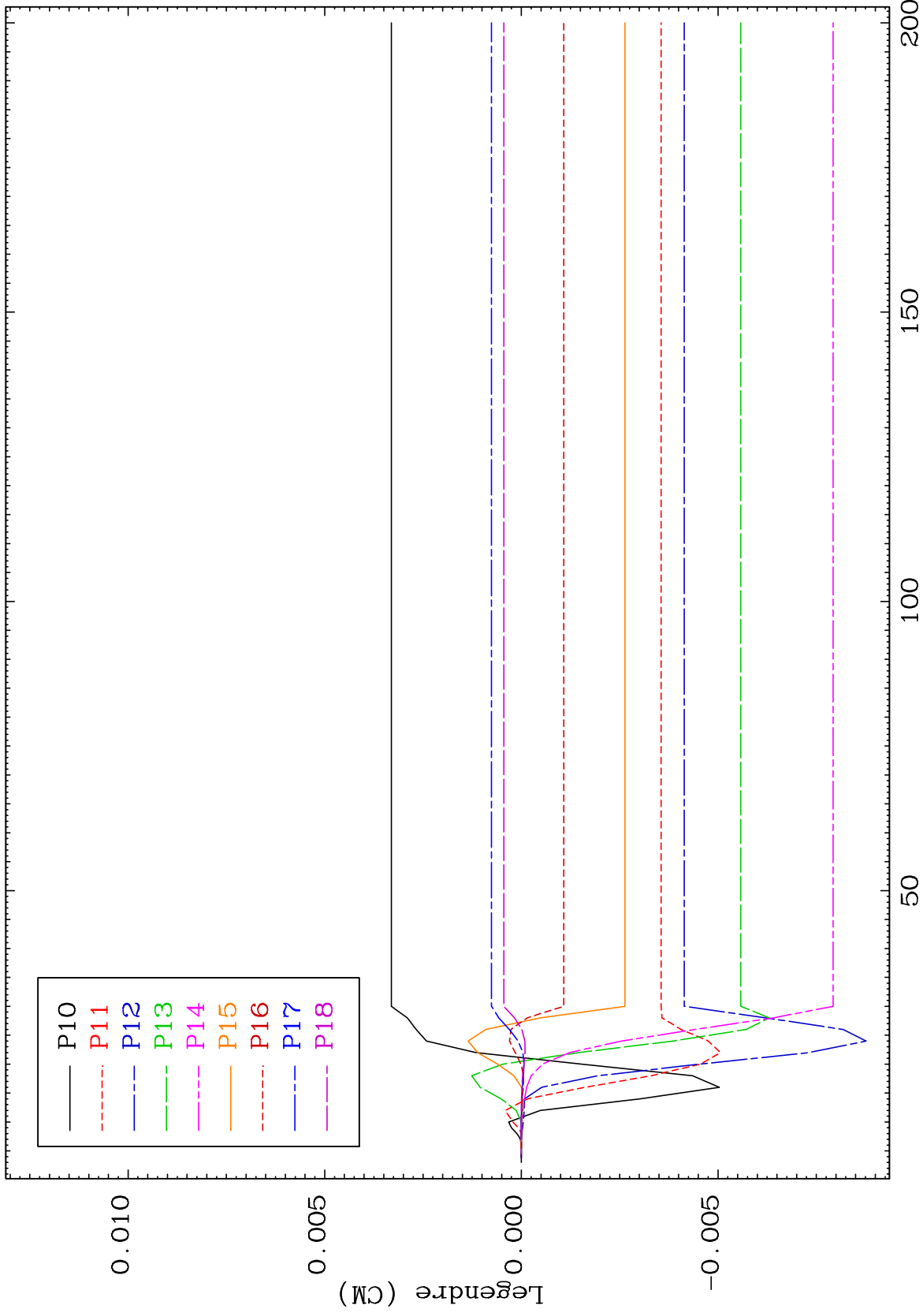




MAT 5049

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

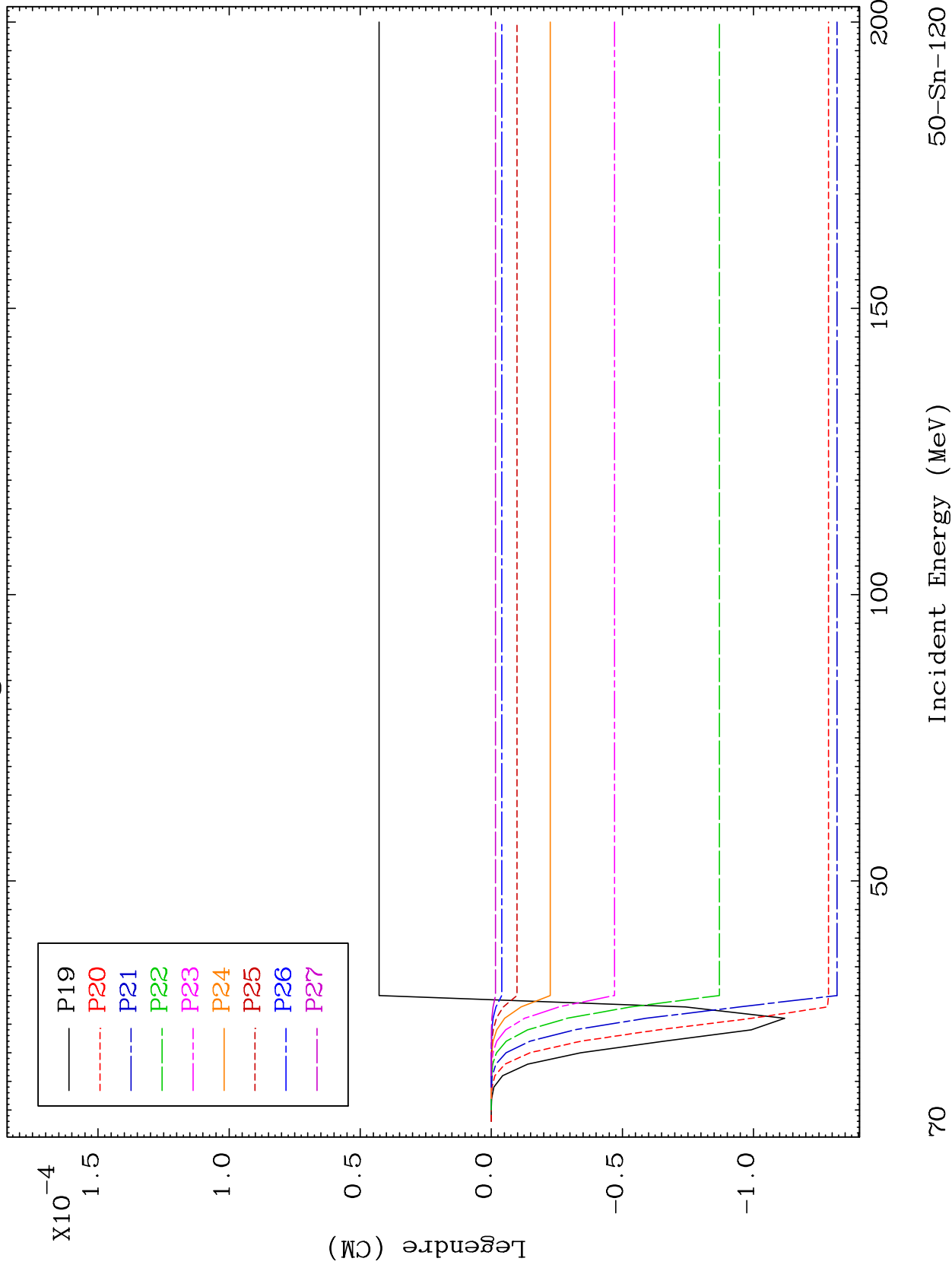
50-Sn-120



MAT 5049

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

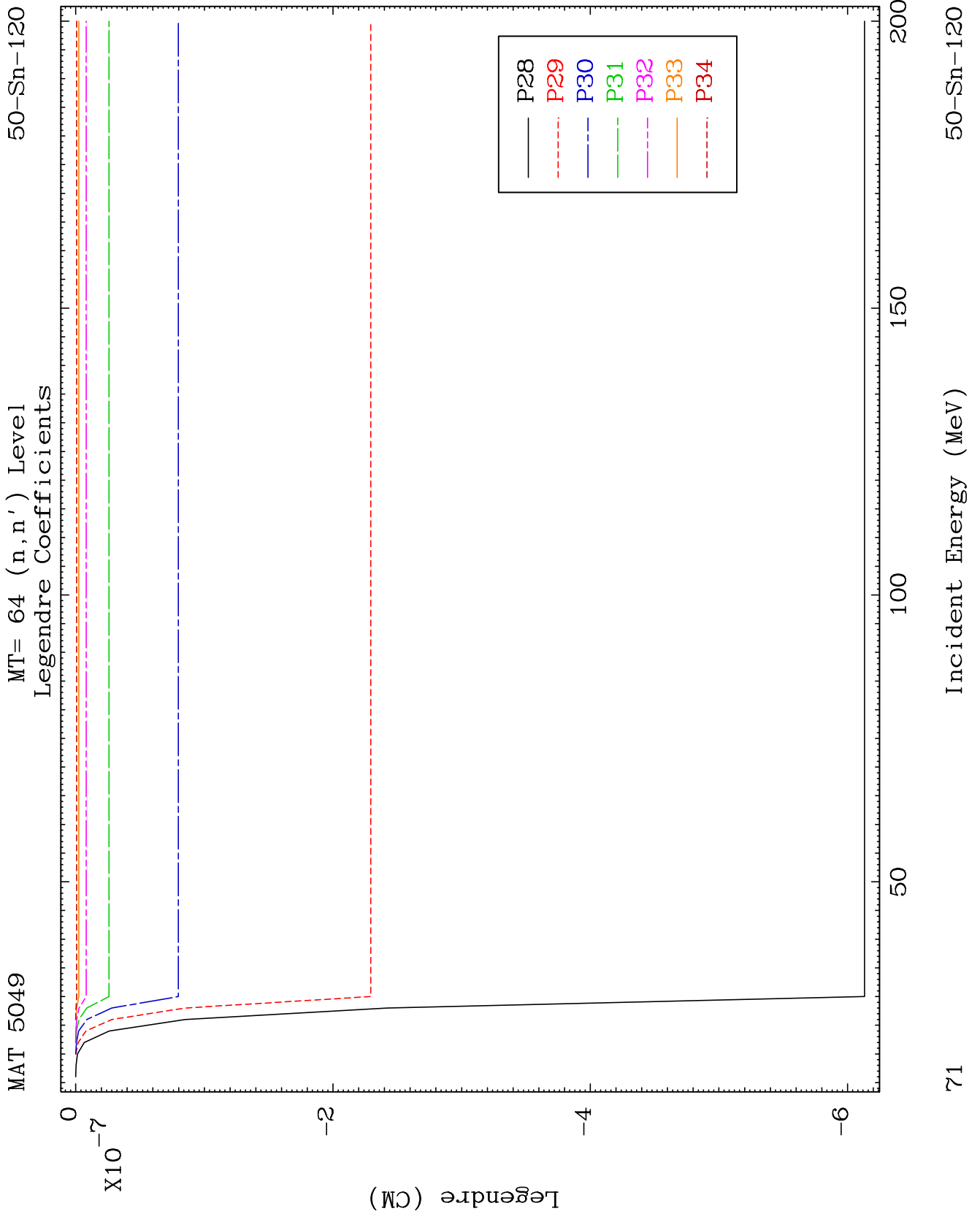
50-Sn-120

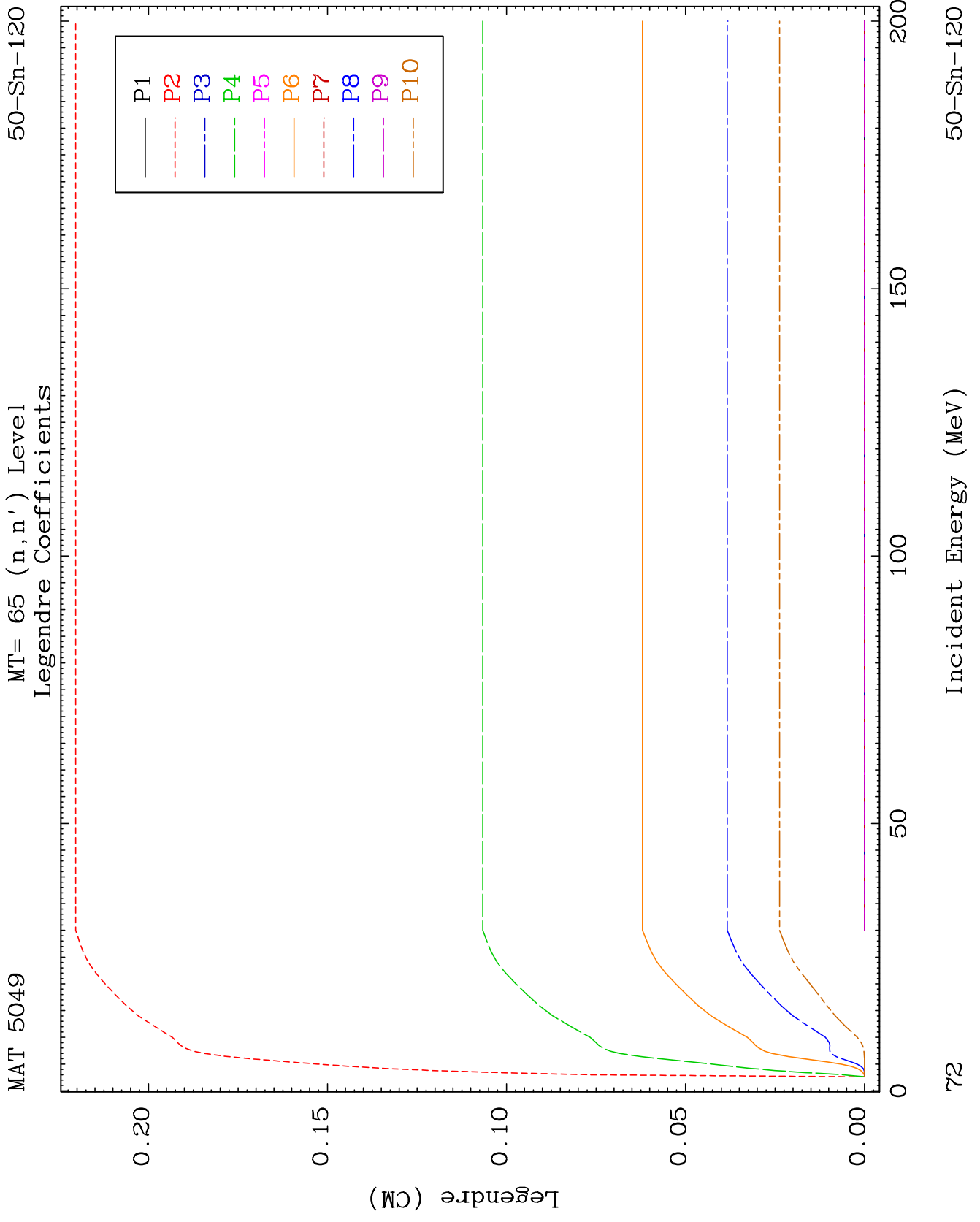


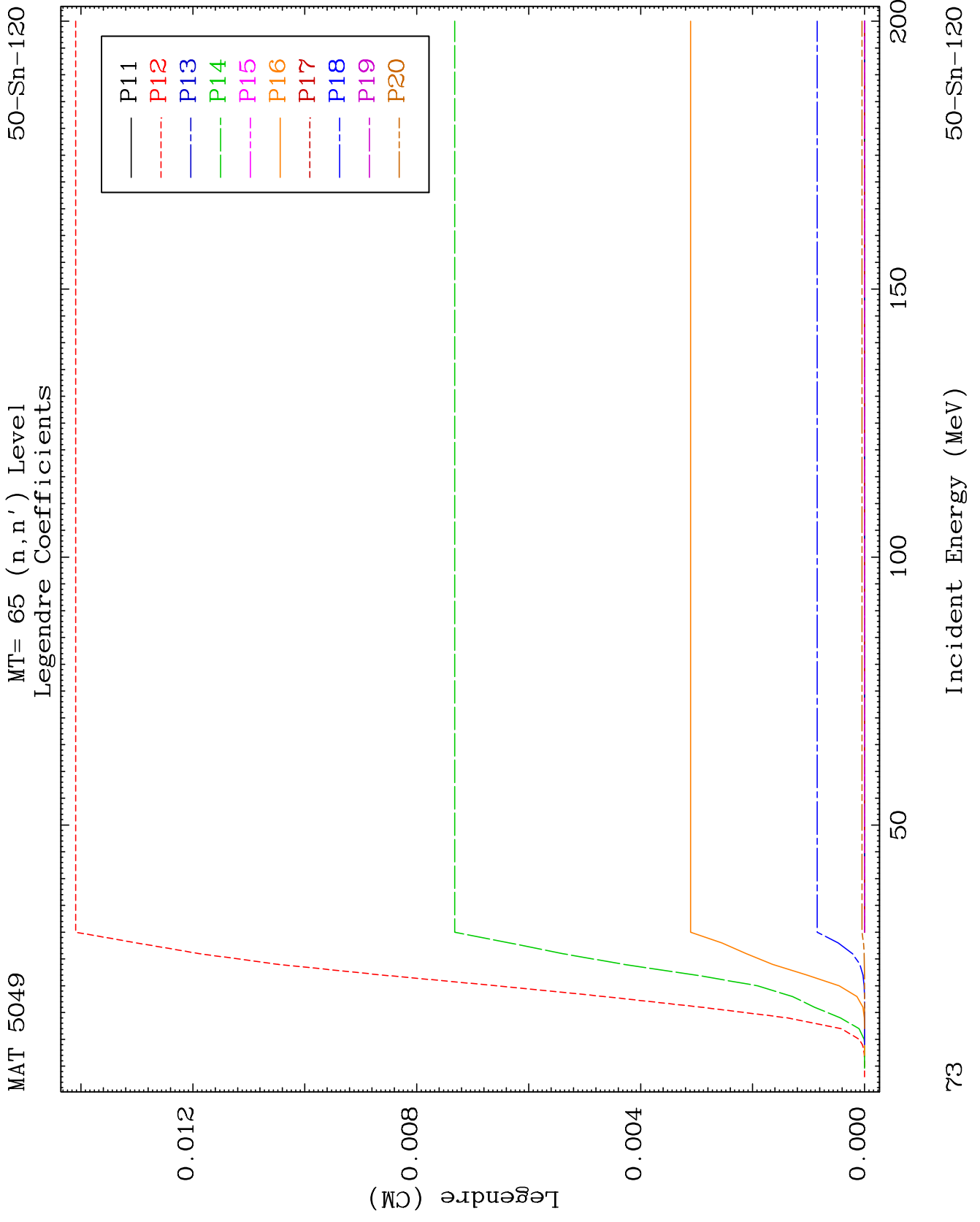
70

Incident Energy (MeV)

50-Sn-120



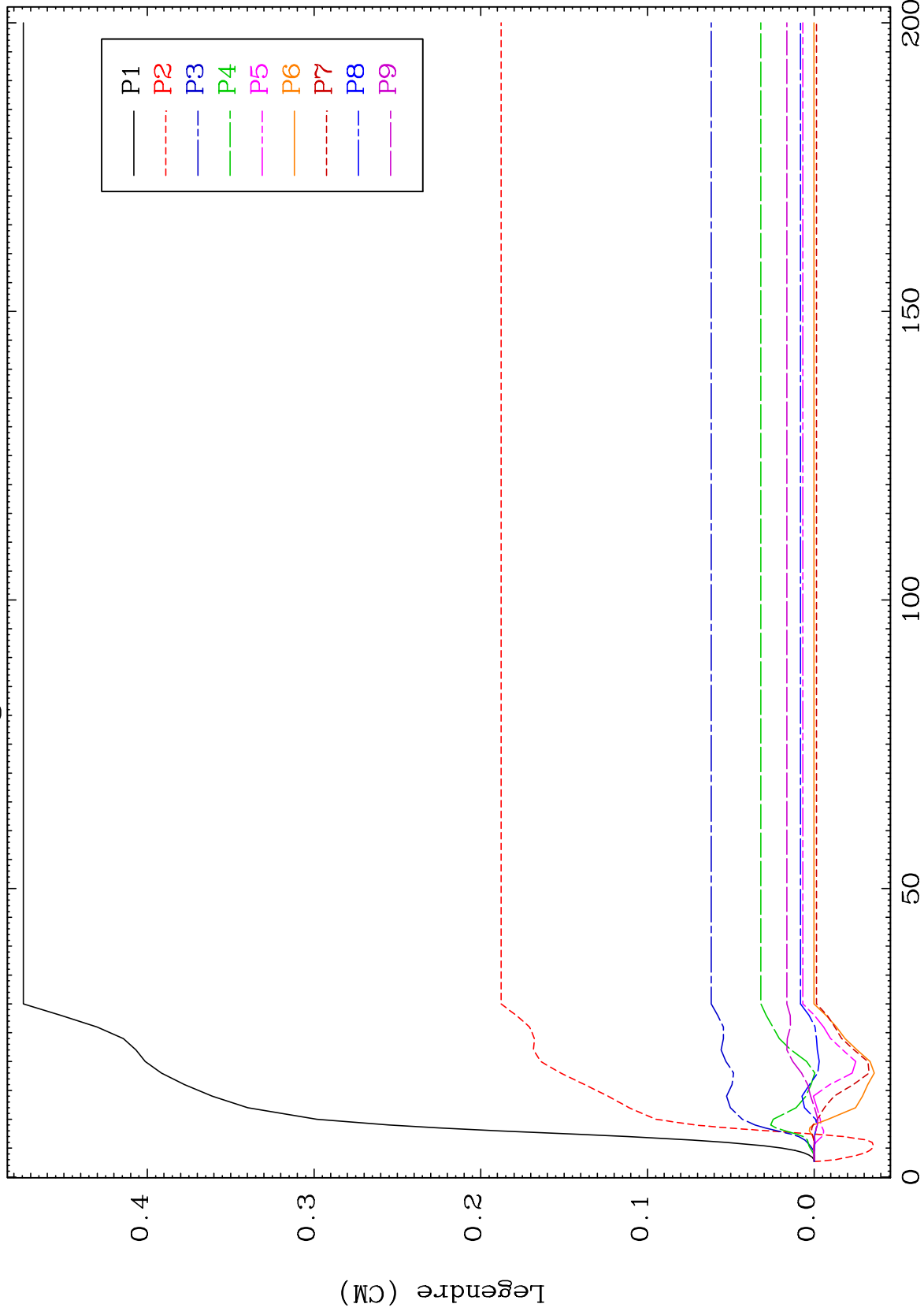




MAT 5049

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

50-Sn-120



75

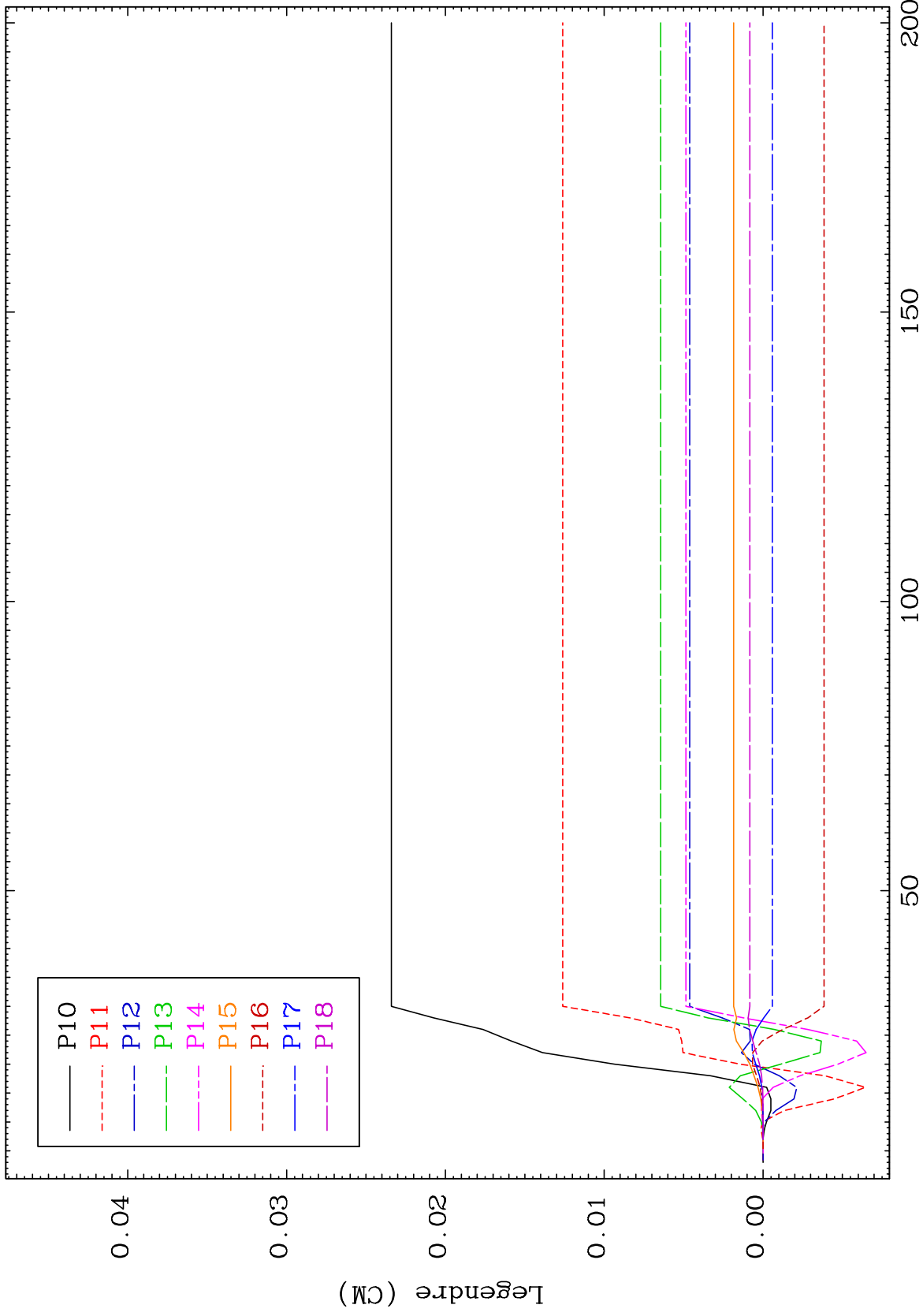
Incident Energy (MeV)

50-Sn-120

MAT 5049

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

50-Sn-120



76

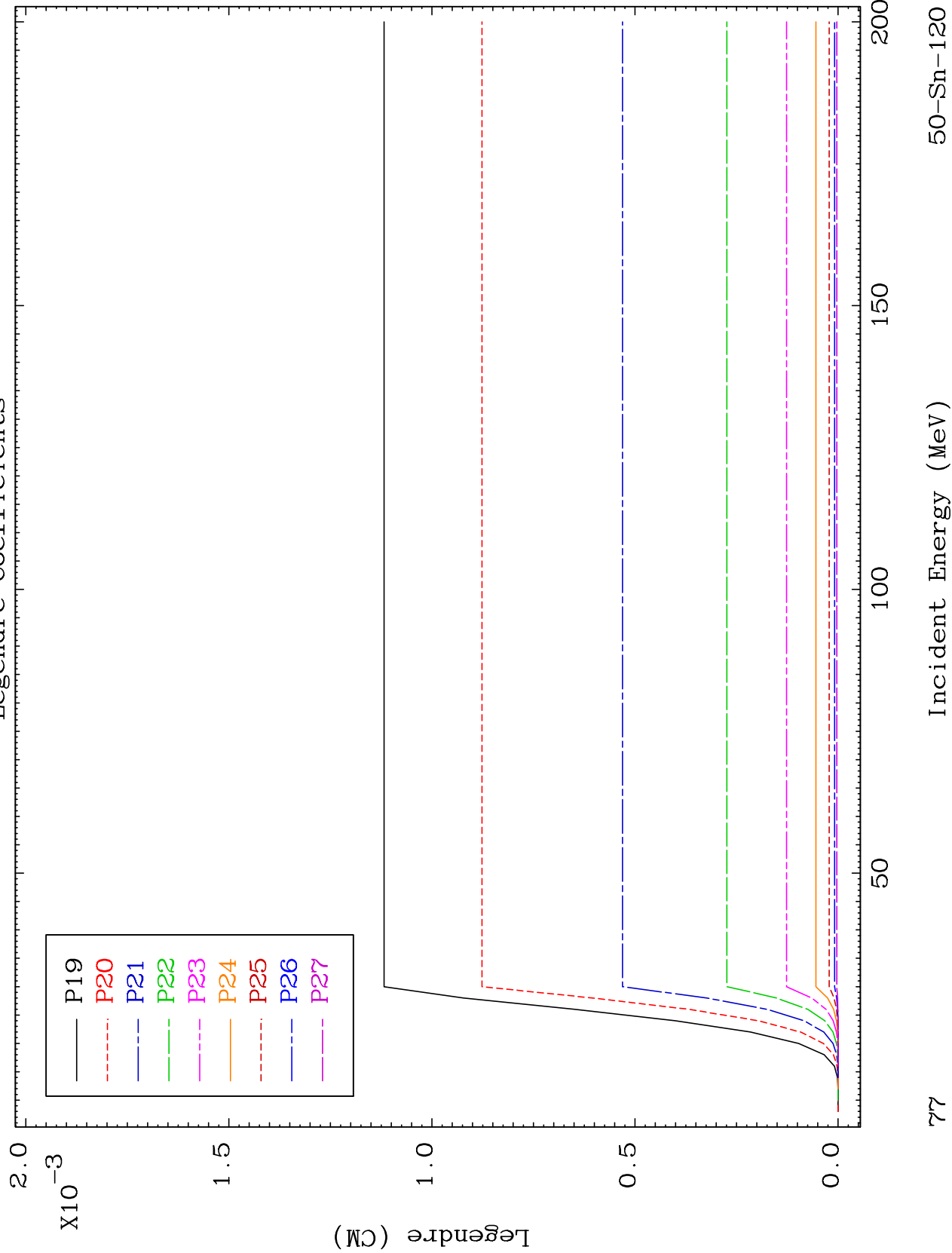
Incident Energy (MeV)

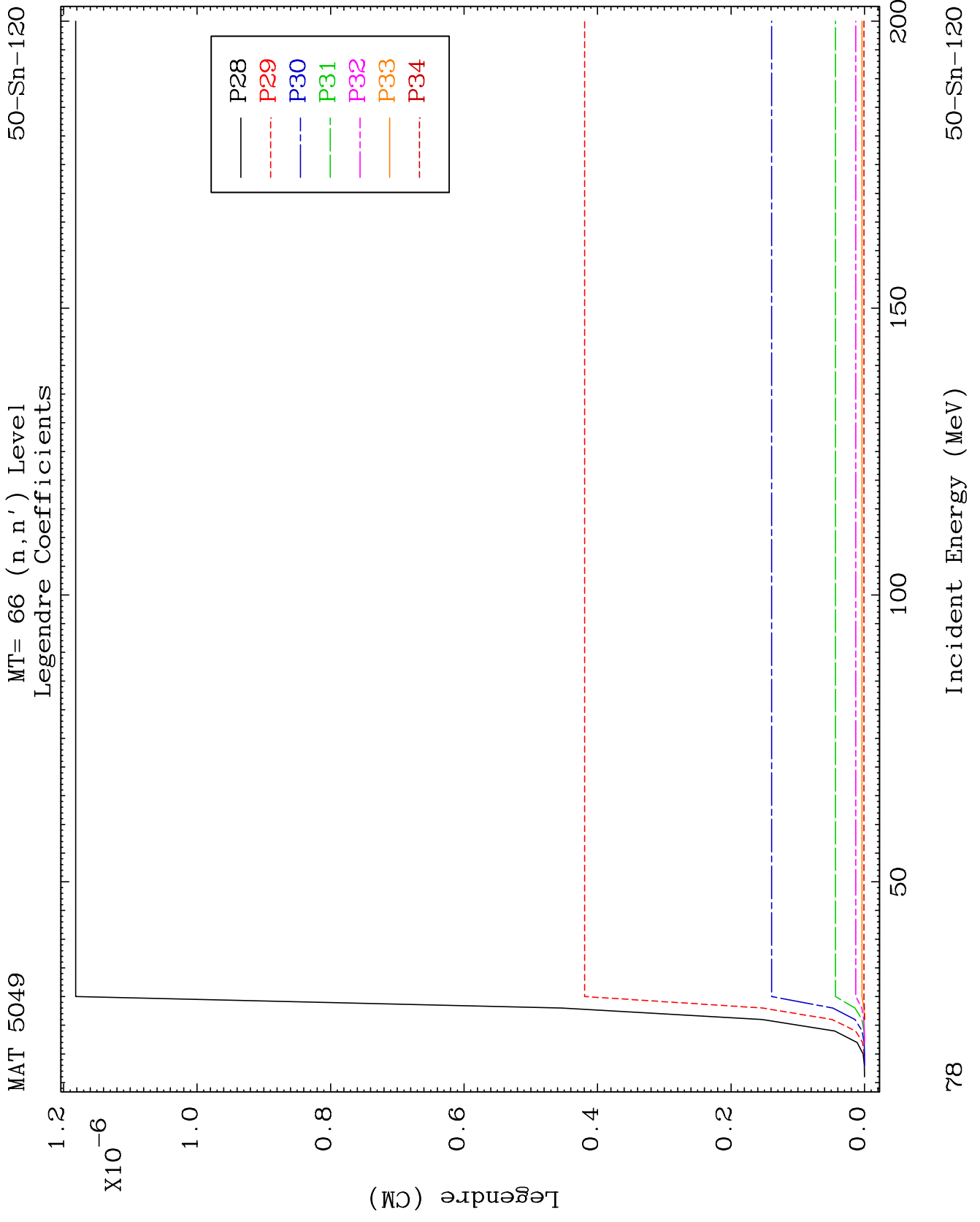
50-Sn-120

MAT 5049

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

50-Sn-120

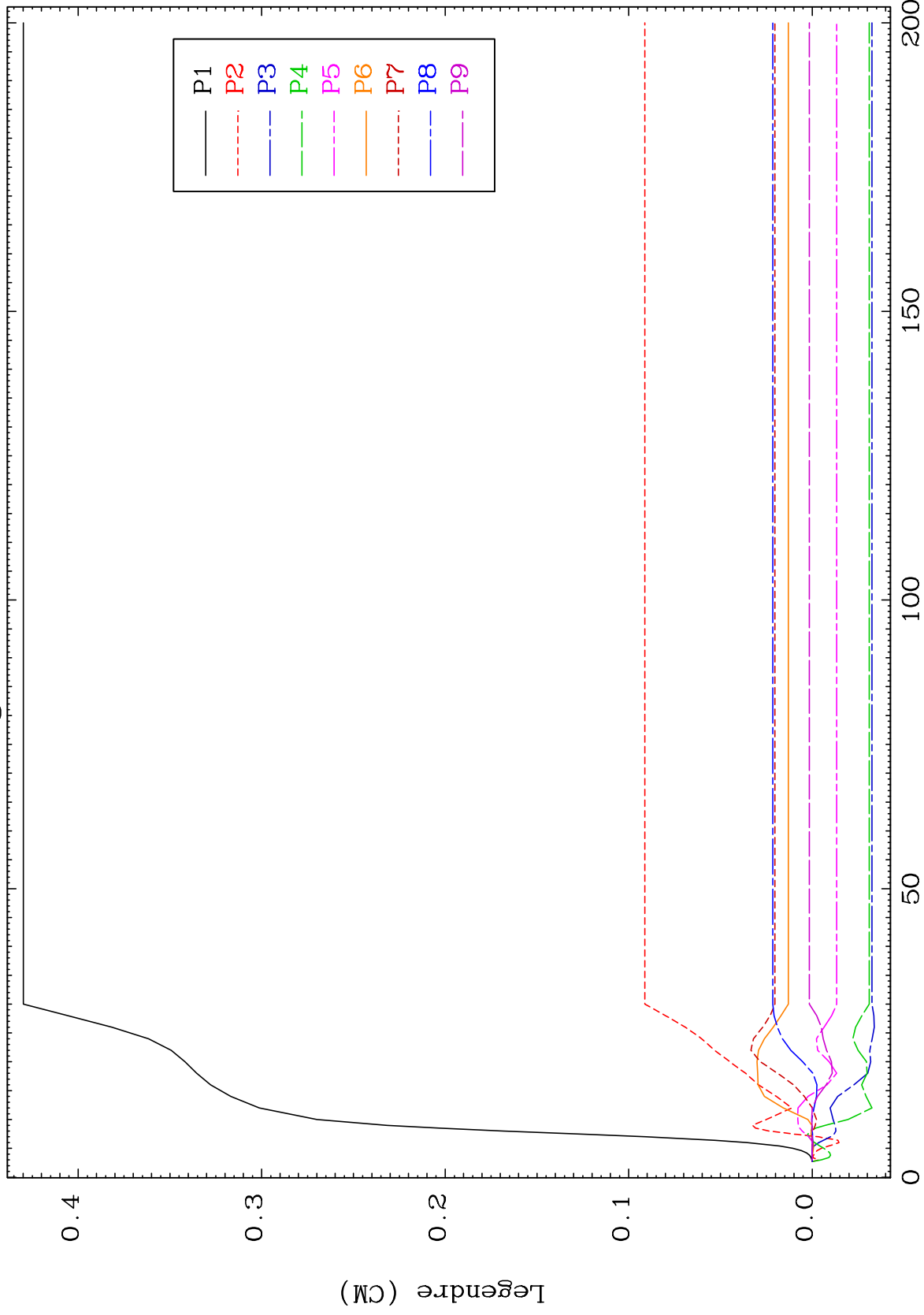




MAT 5049

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

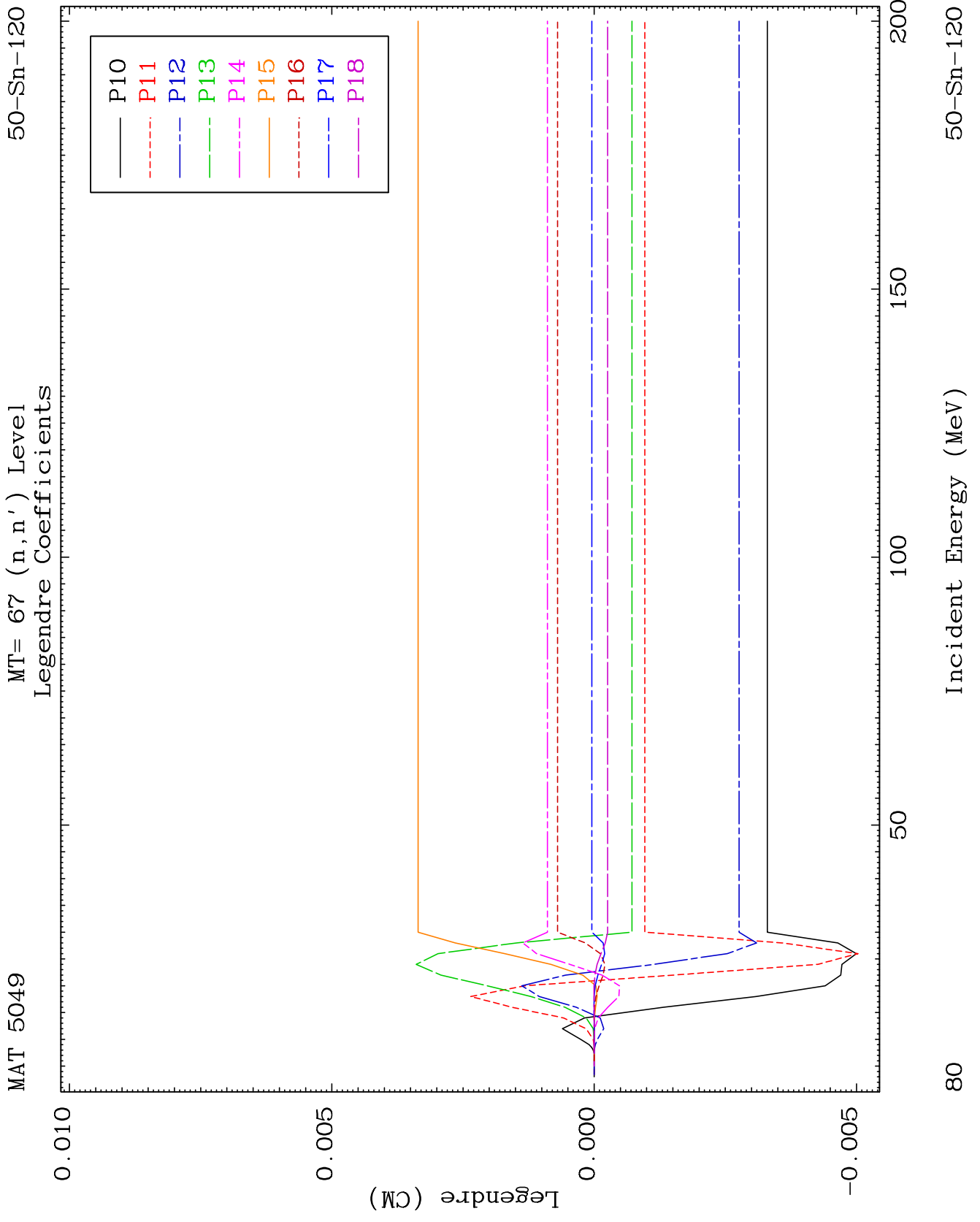
50-Sn-120

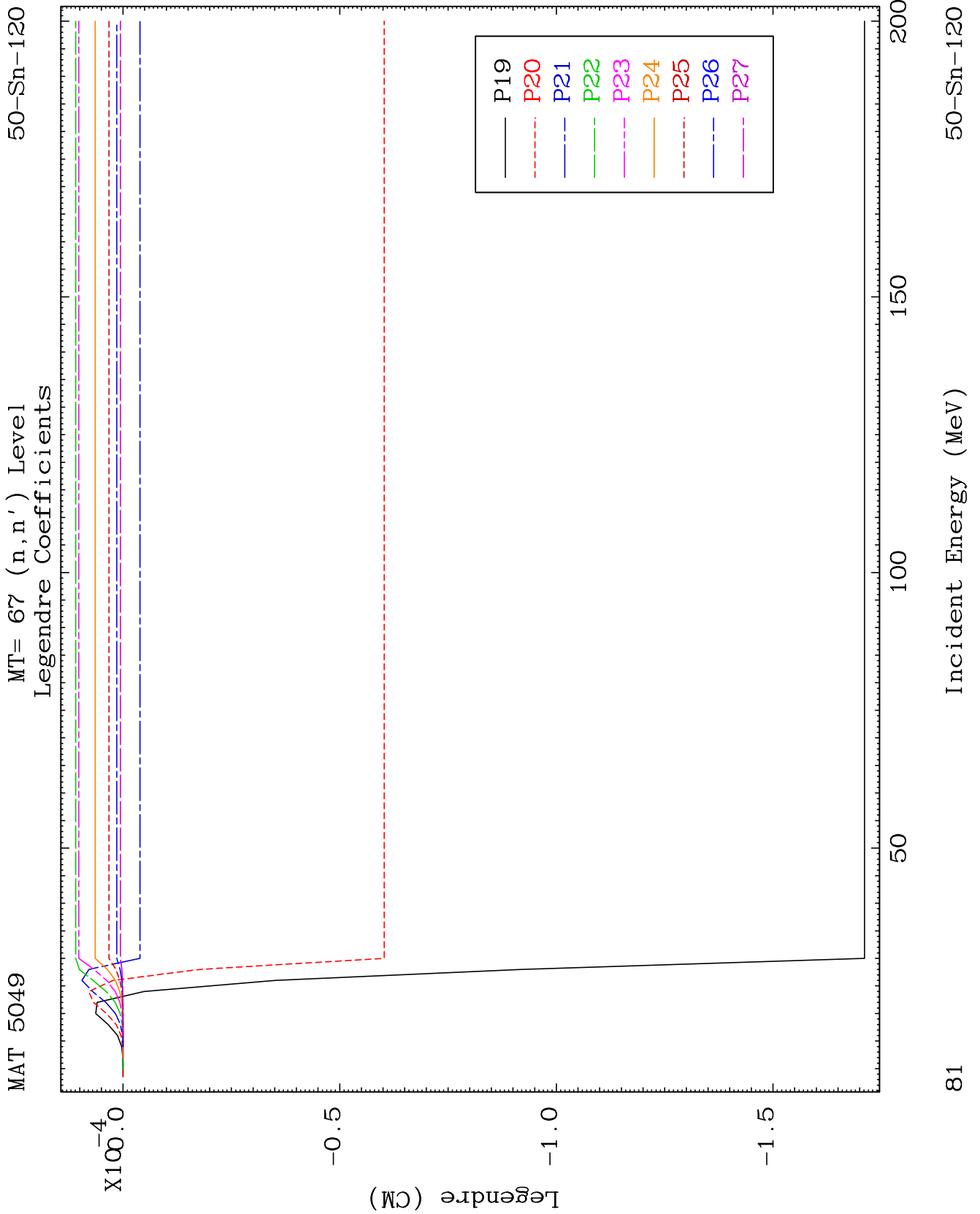


79

Incident Energy (MeV)

50-Sn-120

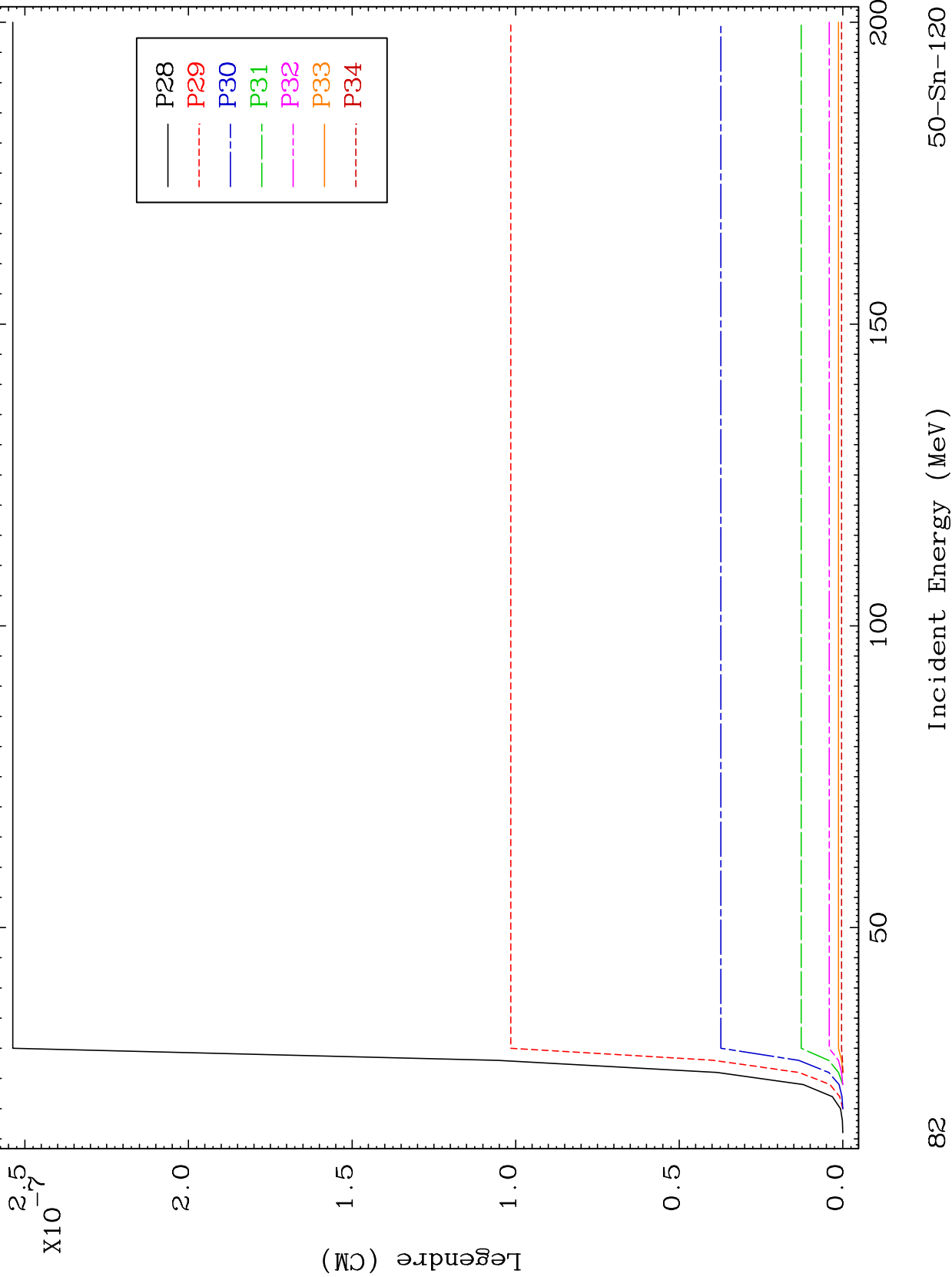




MAT 5049

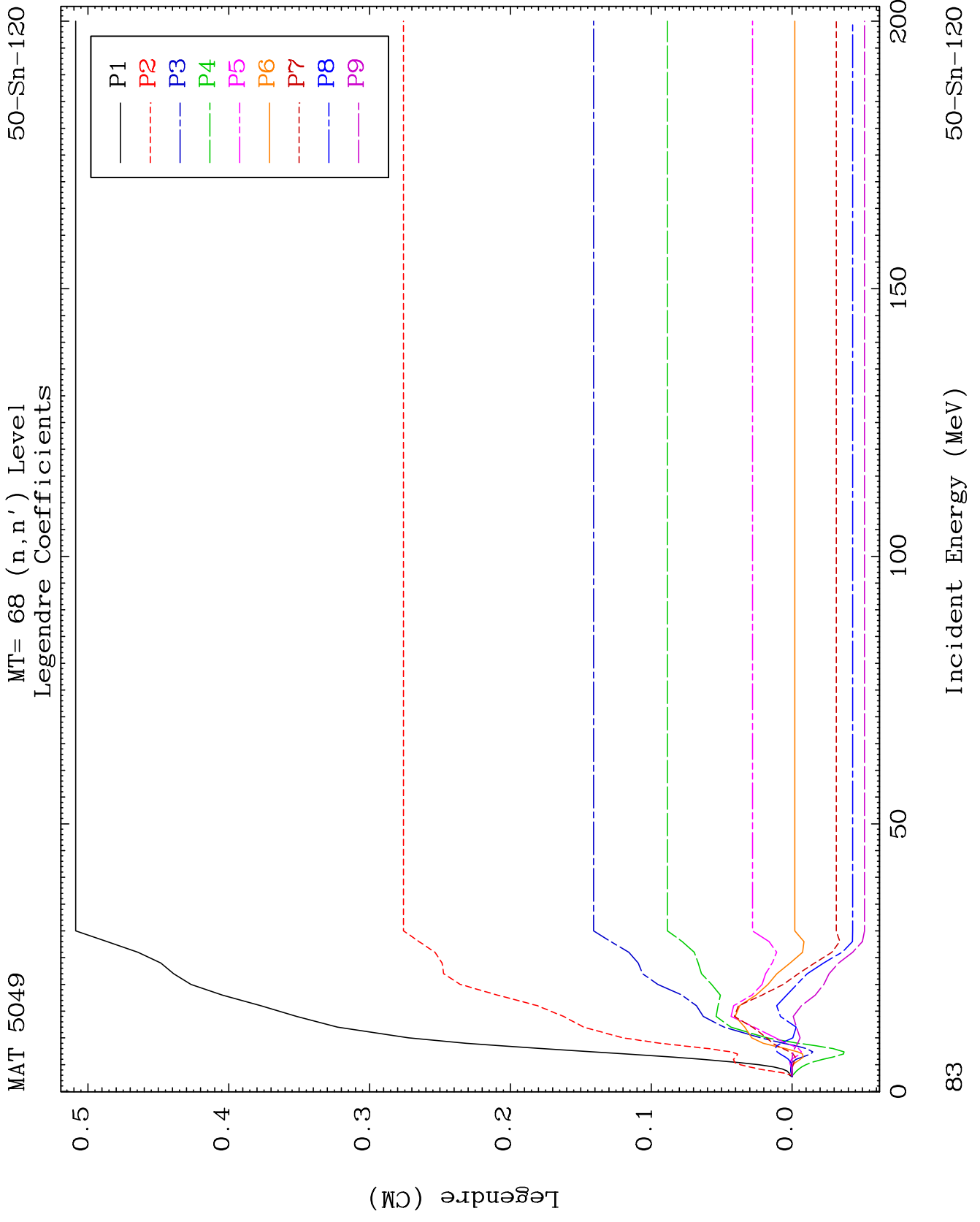
MT= 67 (n,n') Level
Legendre Coefficients

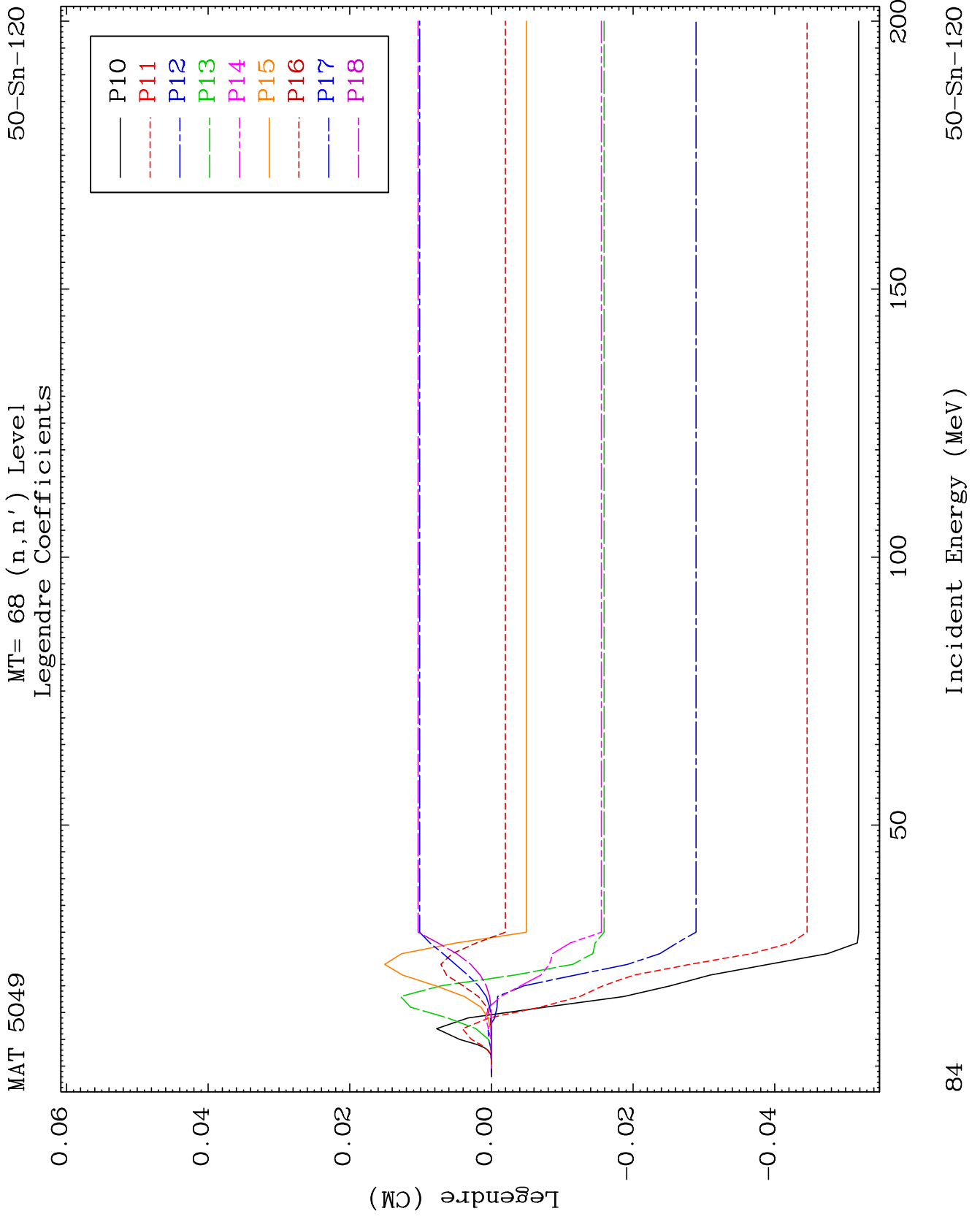
50-Sn-120

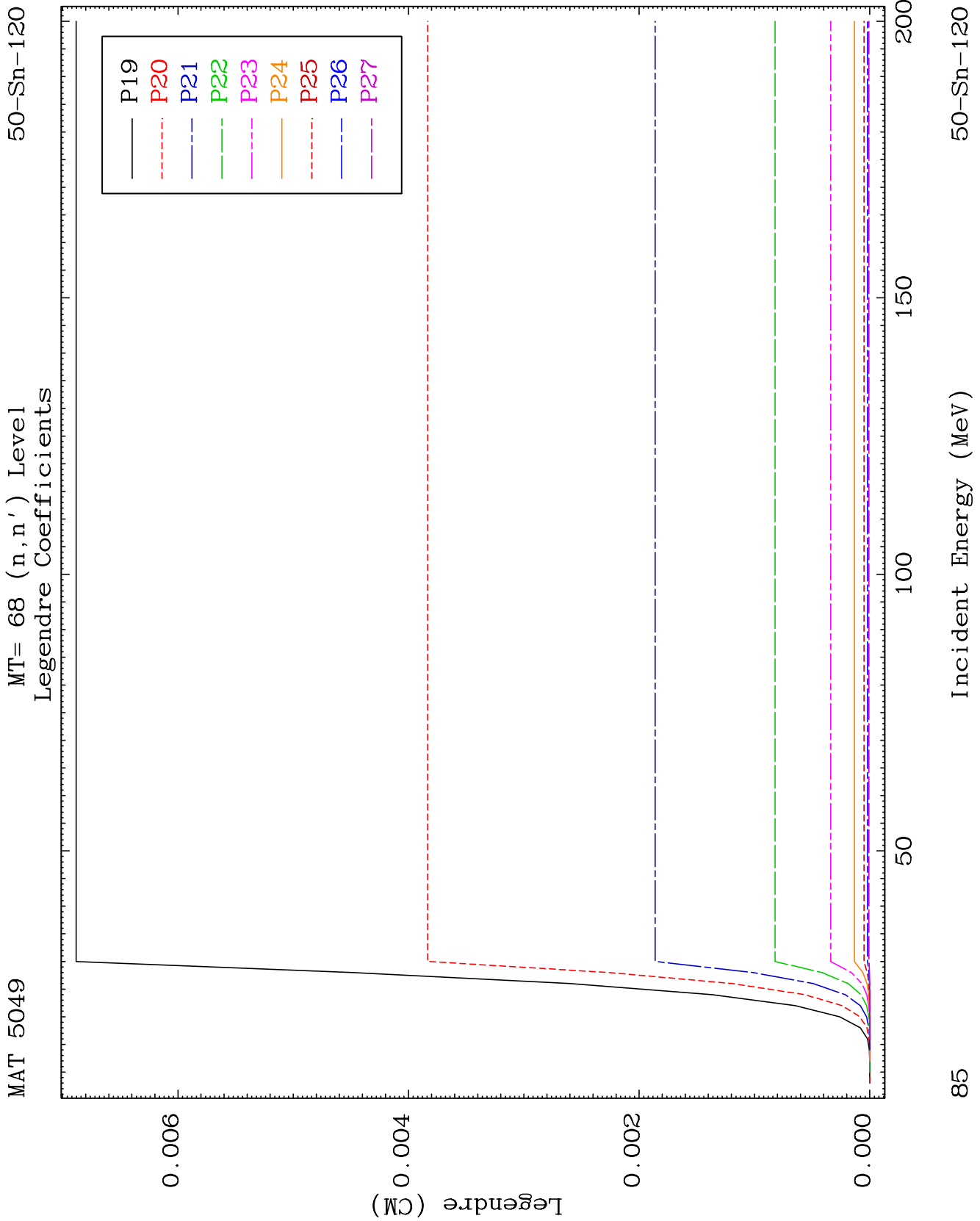


82

50-Sn-120



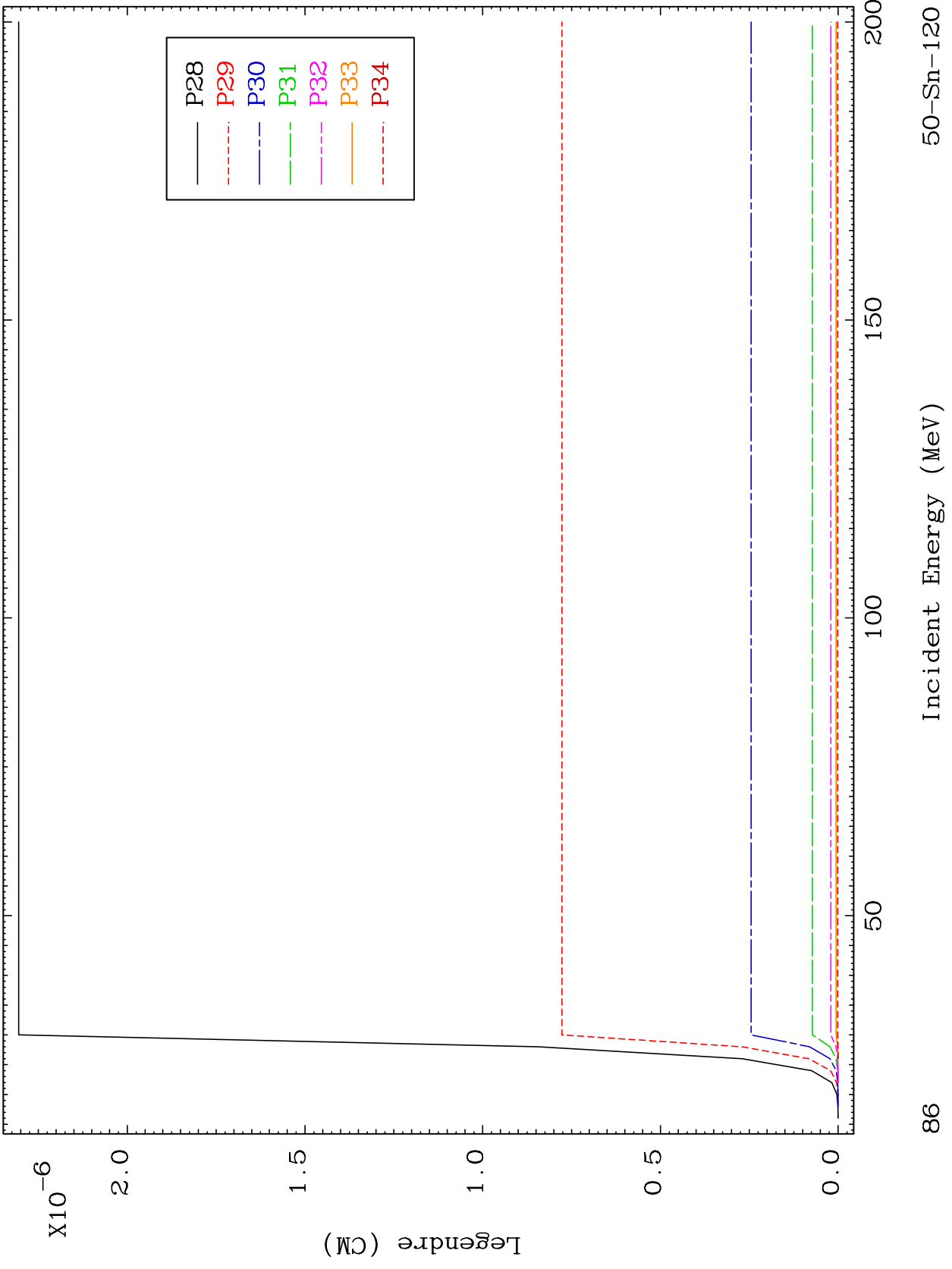




MAT 5049

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

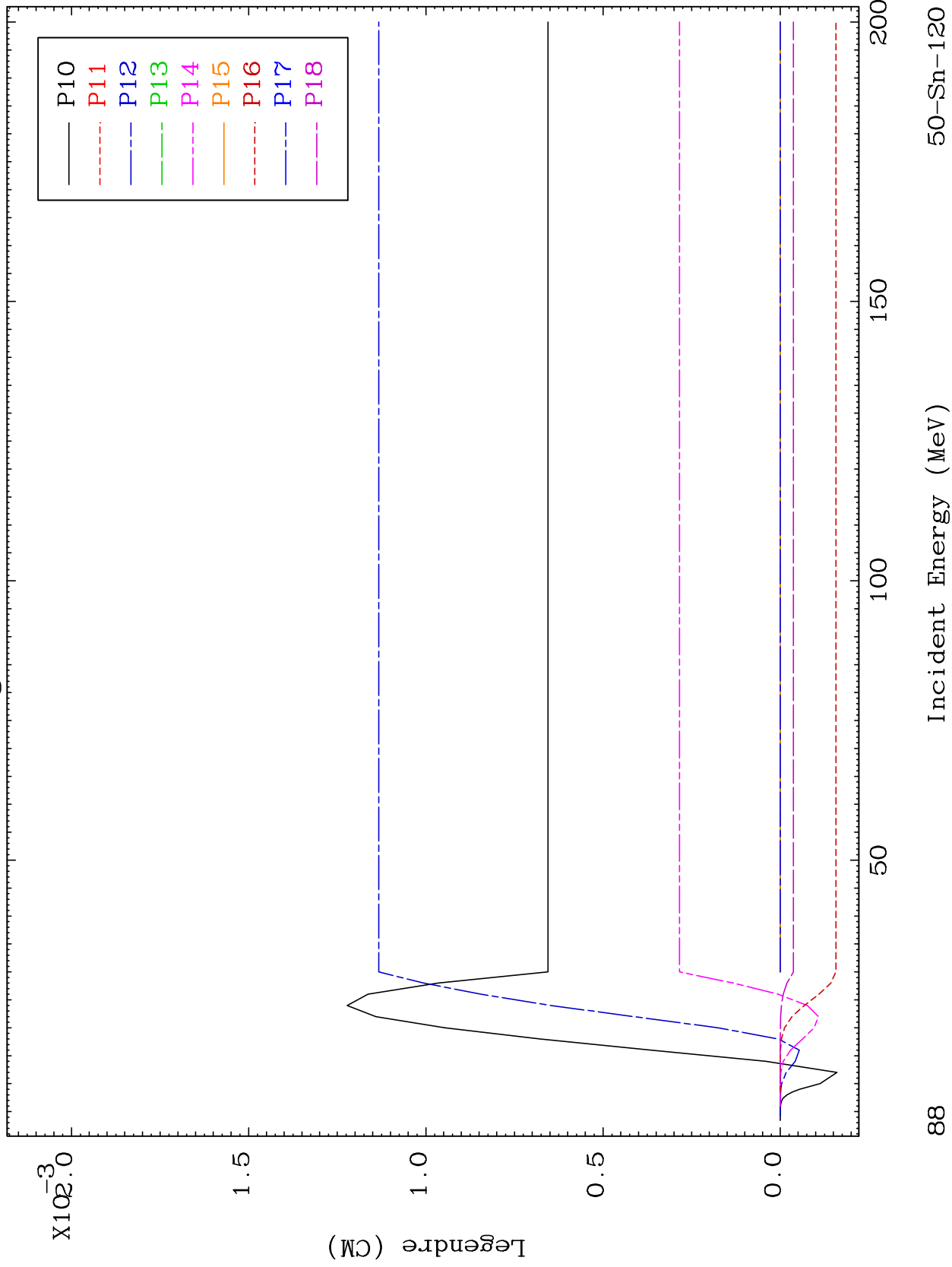
50-Sn-120



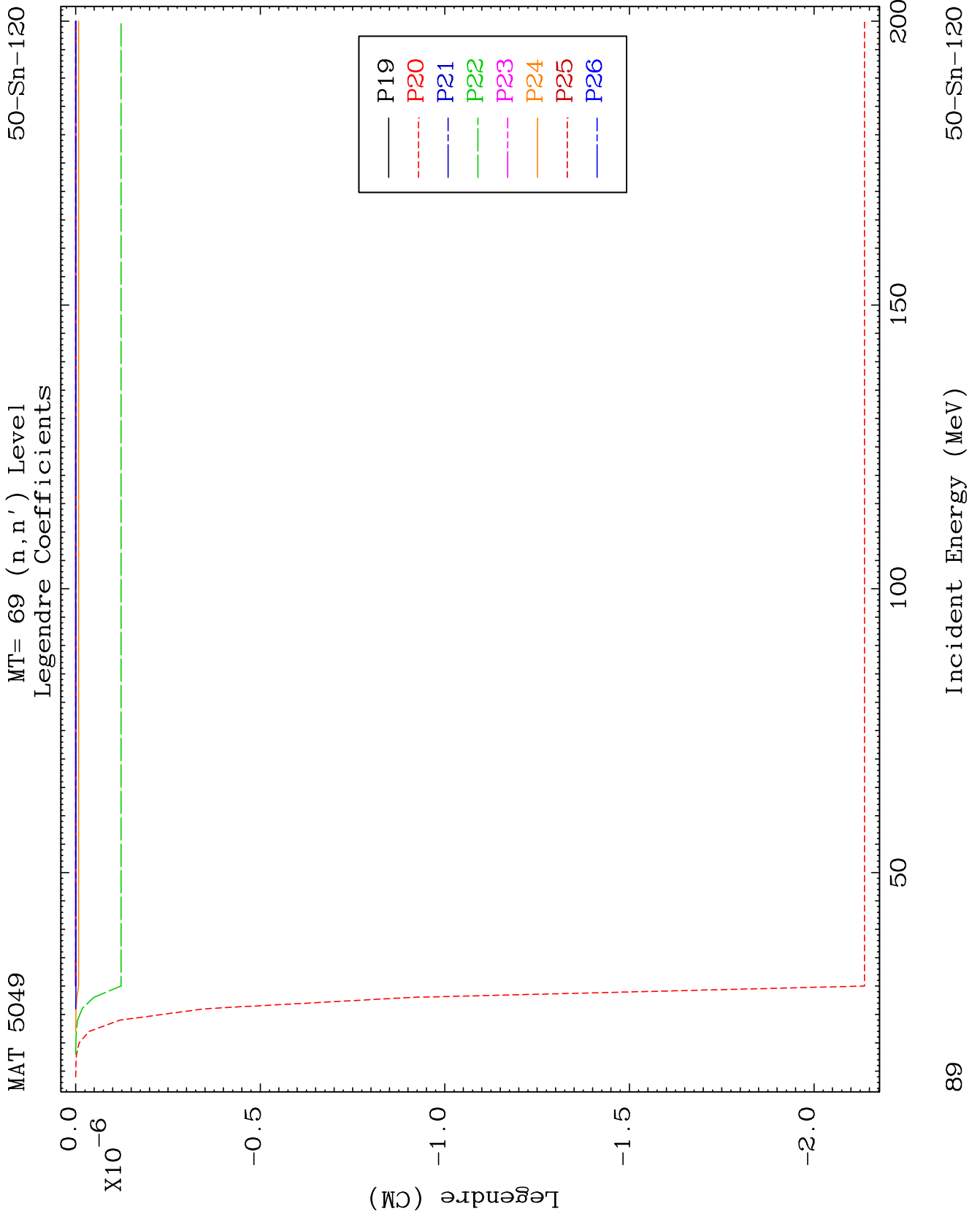
MAT 5049

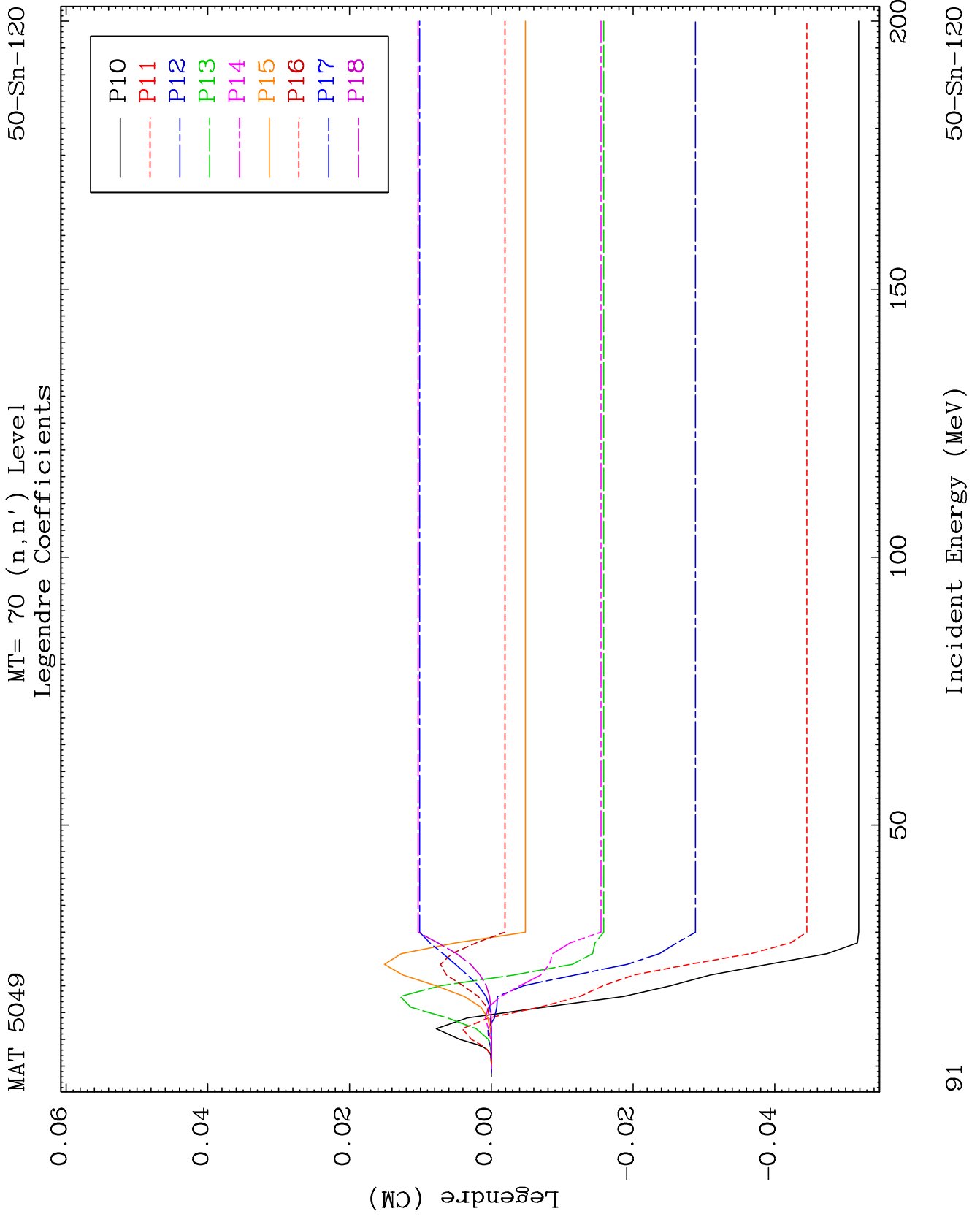
MT= 69 (n,n') Level
Legendre Coefficients

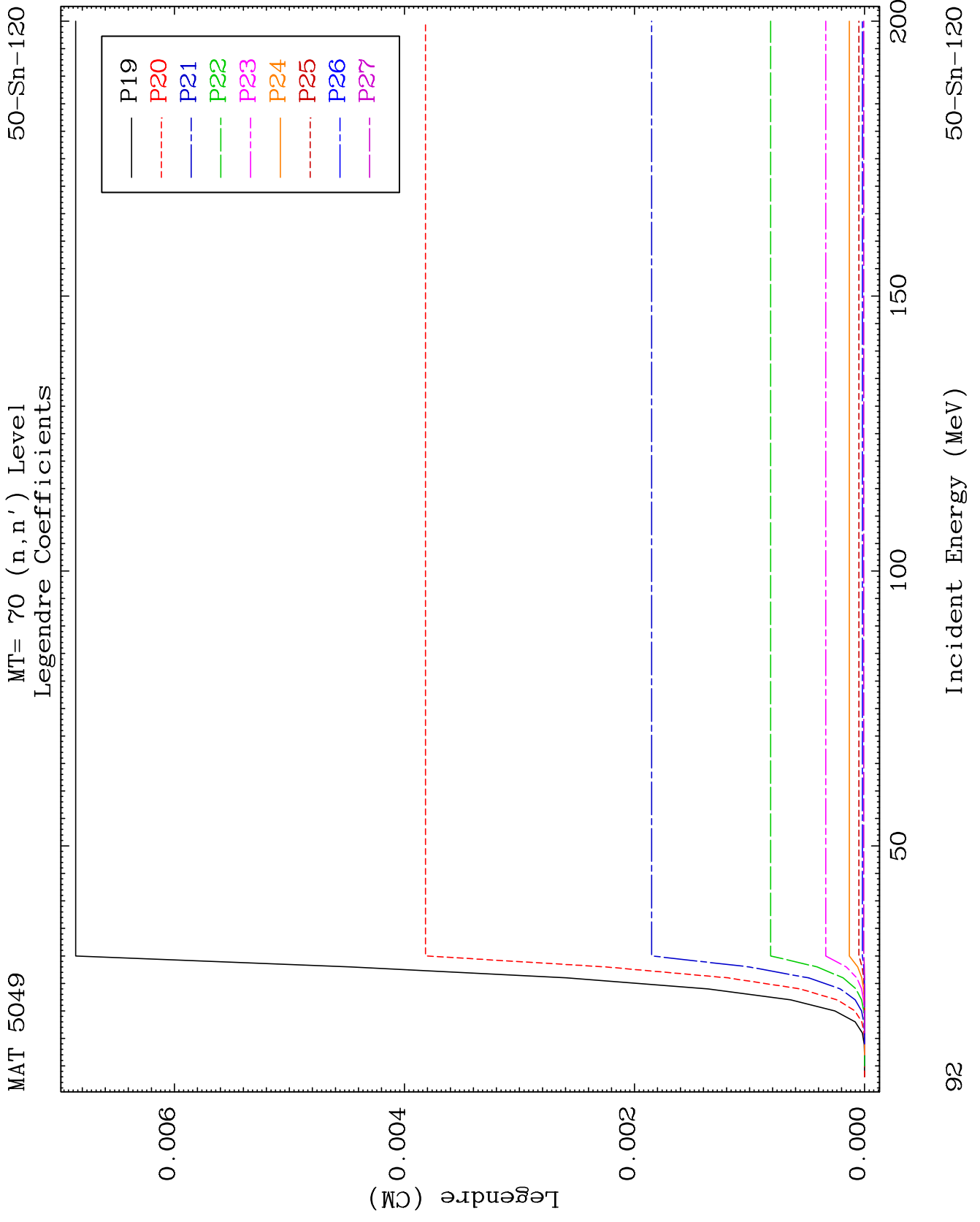
50-Sn-120

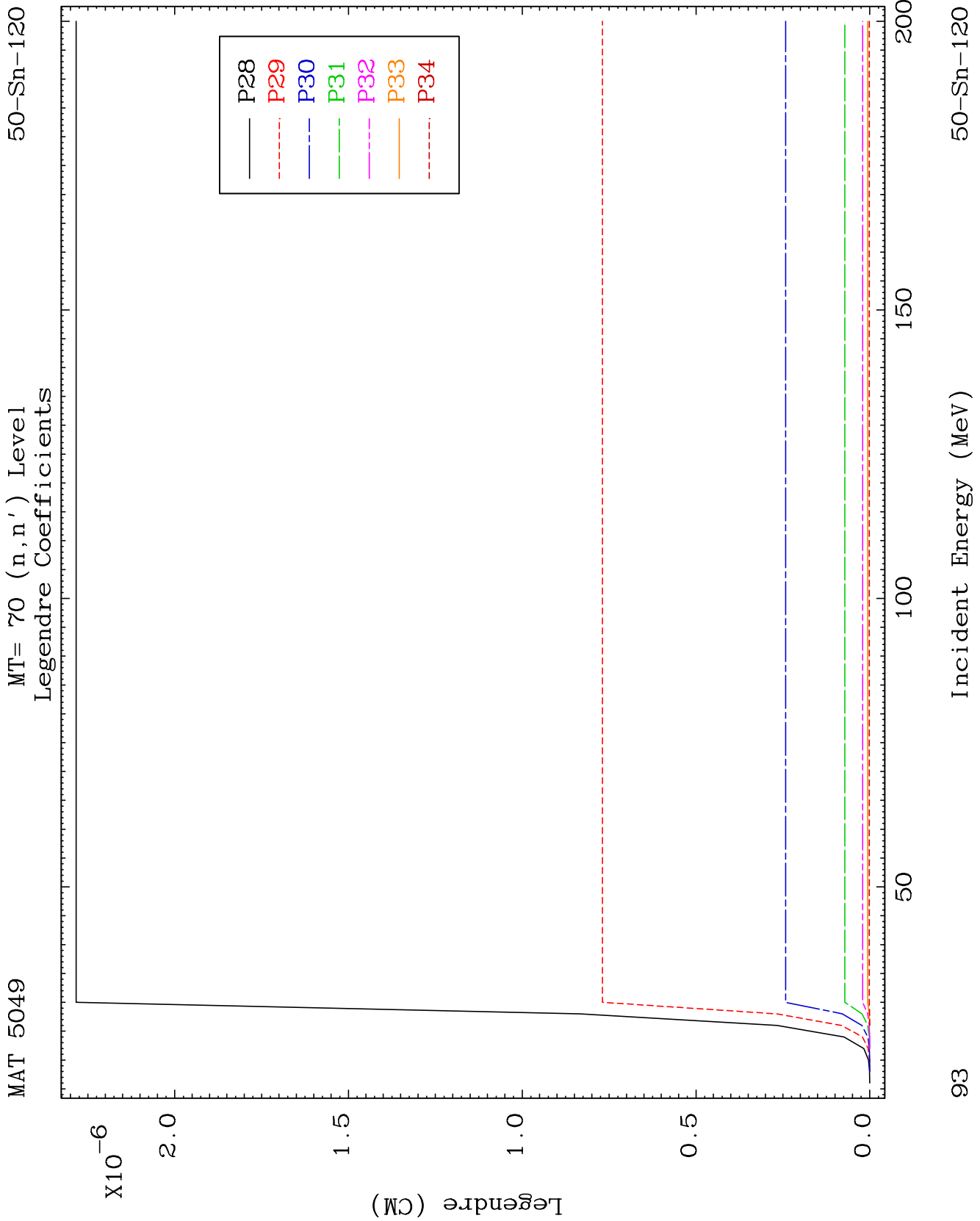


88





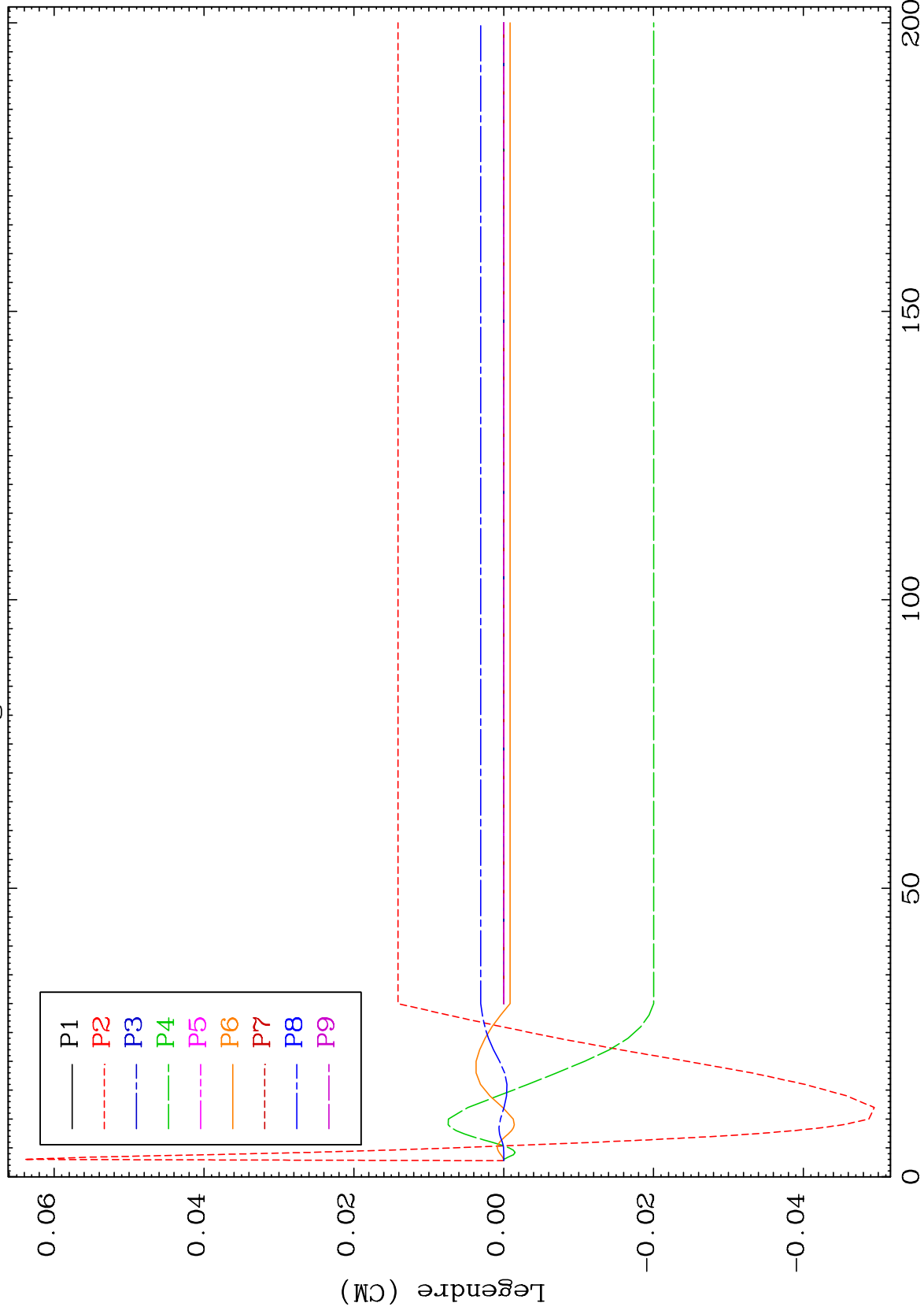




MAT 5049

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

50-Sn-120



94

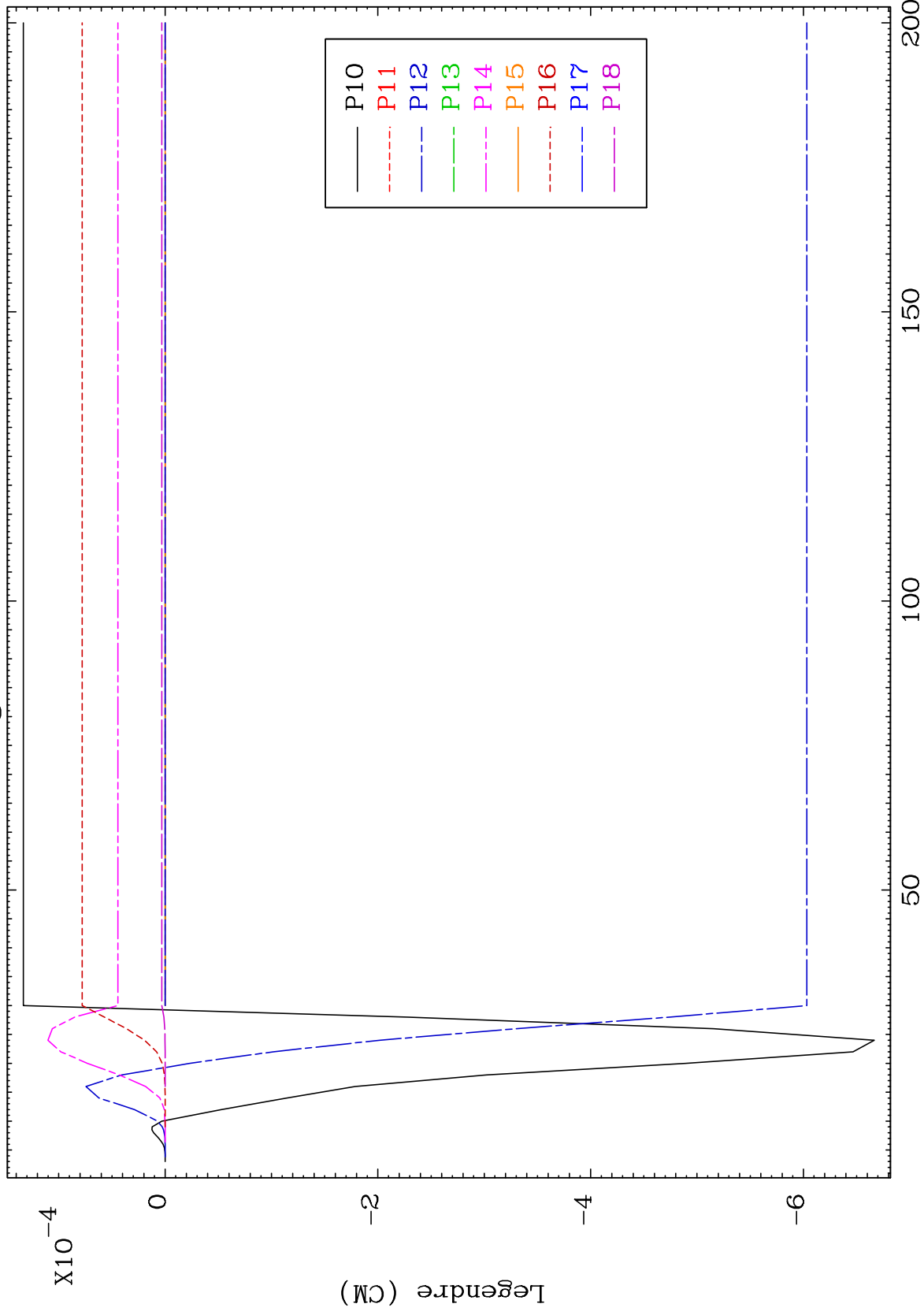
Incident Energy (MeV)

50-Sn-120

MAT 5049

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

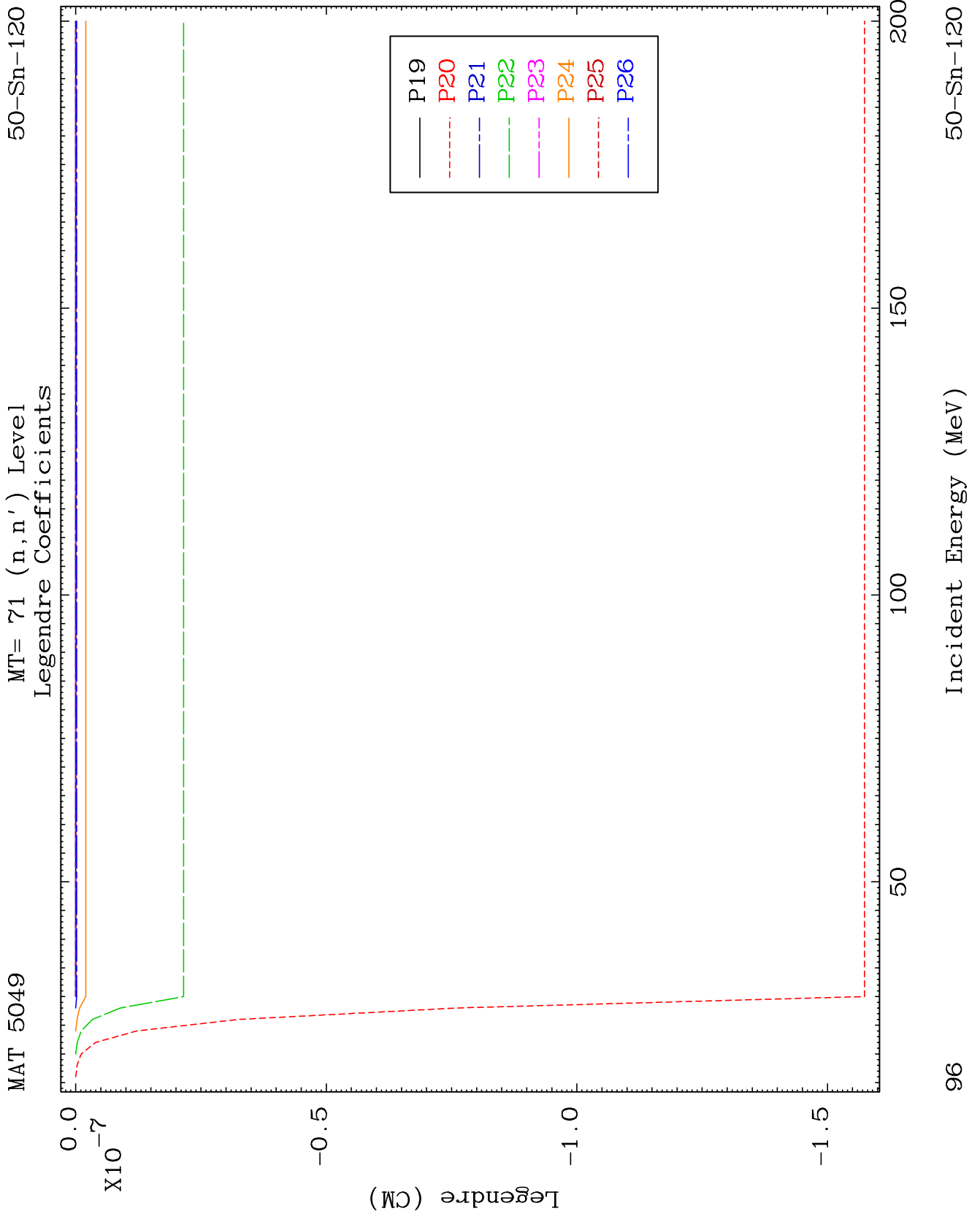
50-Sn-120



95

Incident Energy (MeV)

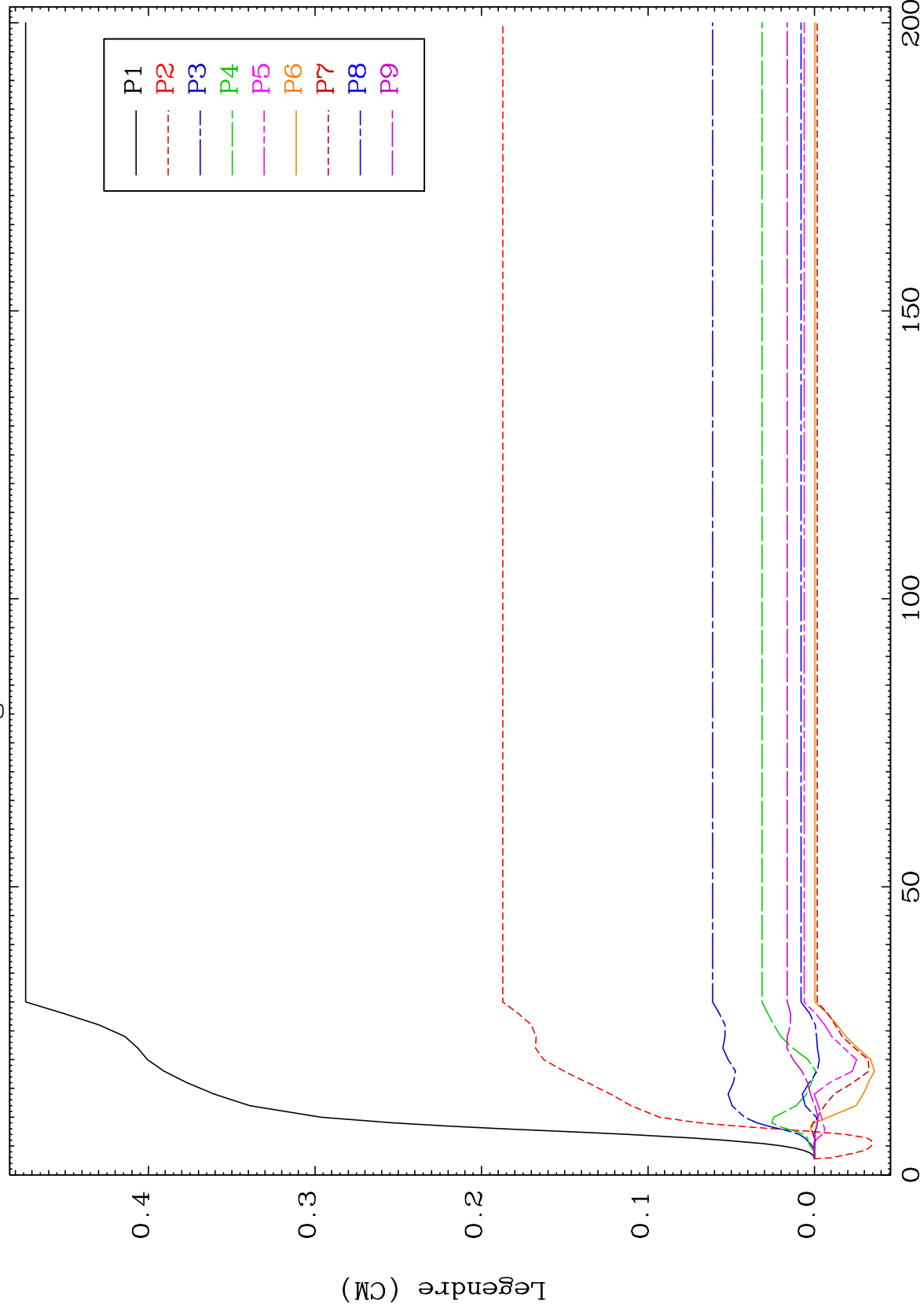
50-Sn-120



MAT 5049

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

50-Sn-120



97

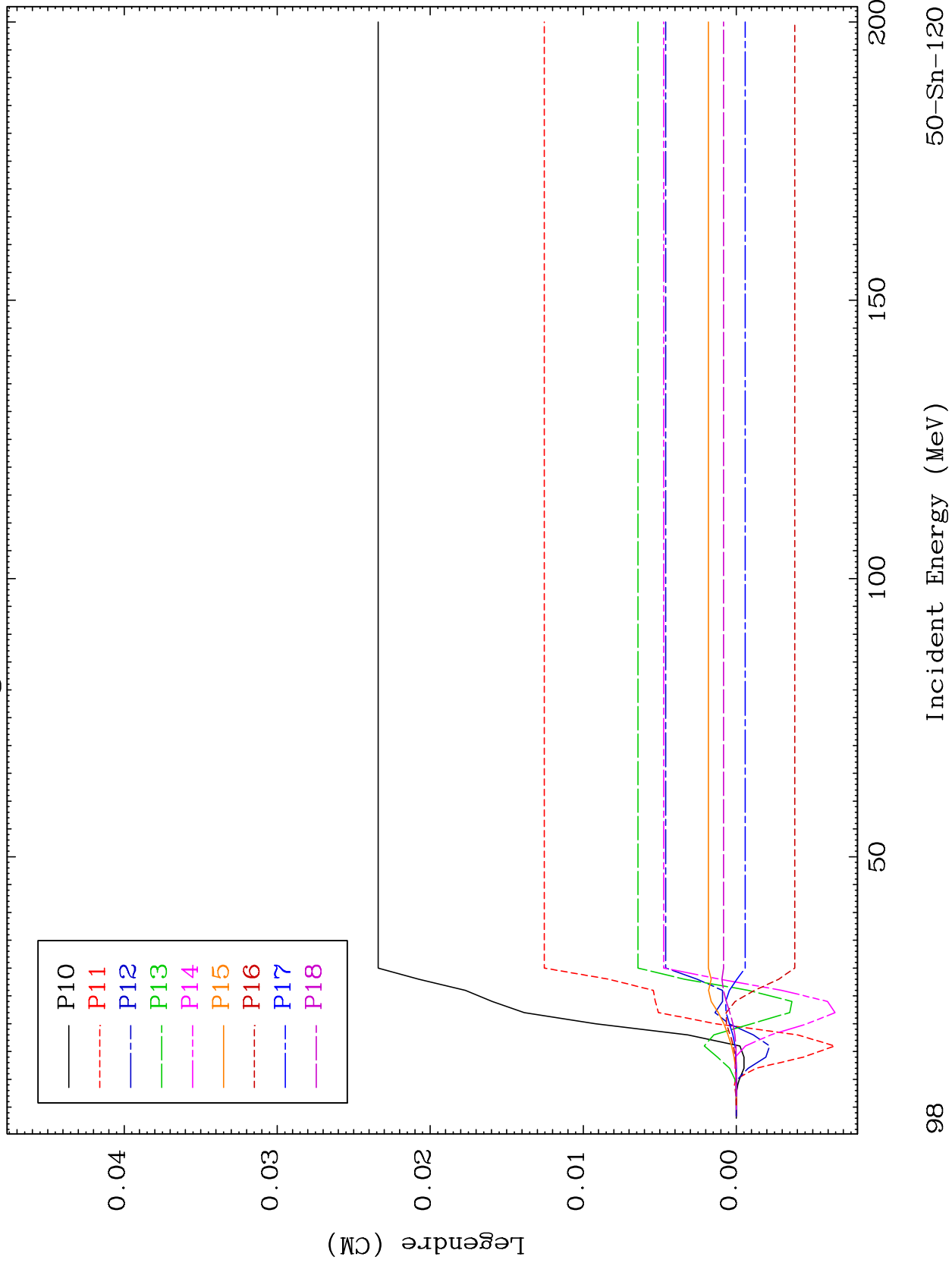
Incident Energy (MeV)

50-Sn-120

MAT 5049

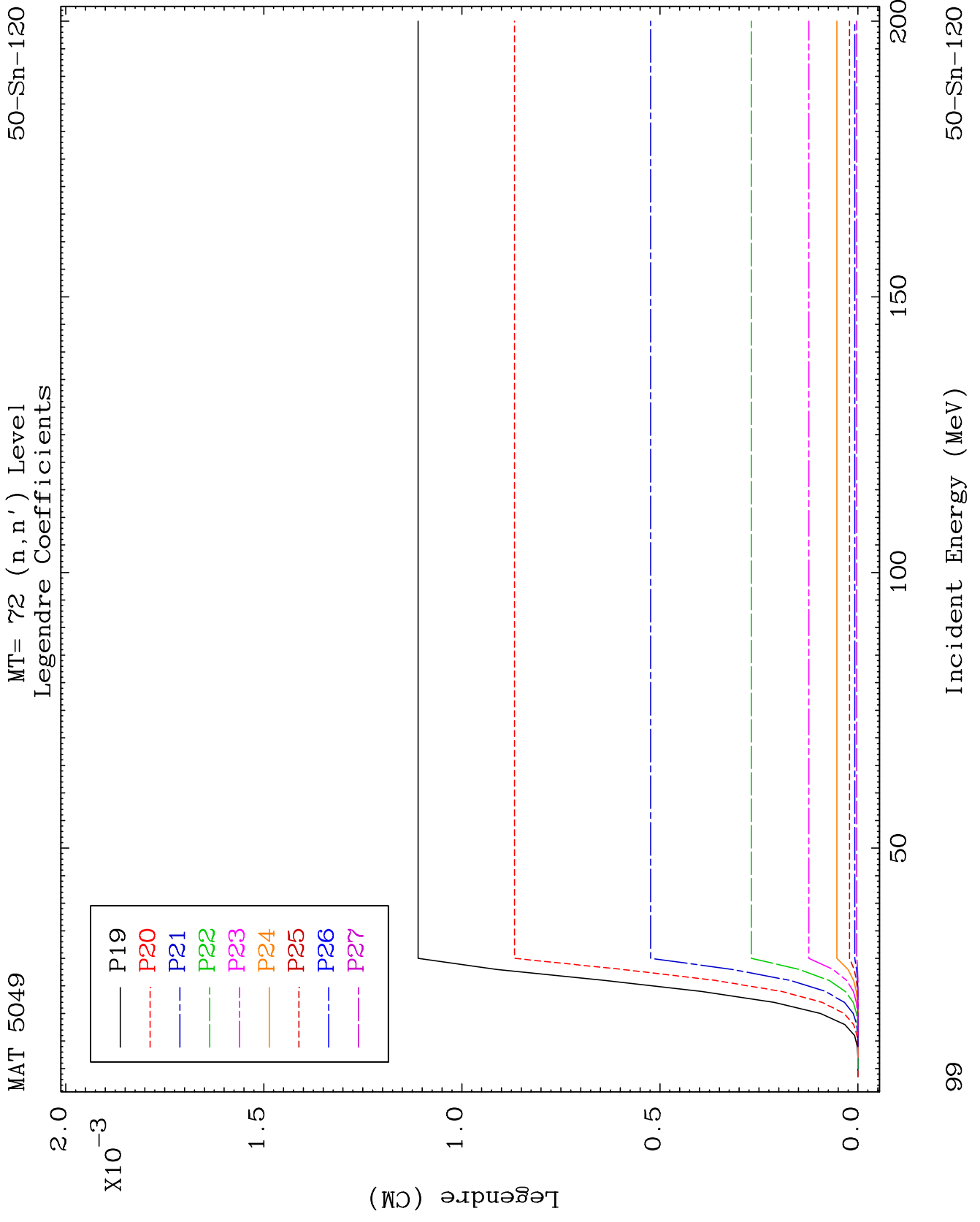
MT= 72 (n,n') Level
Legendre Coefficients

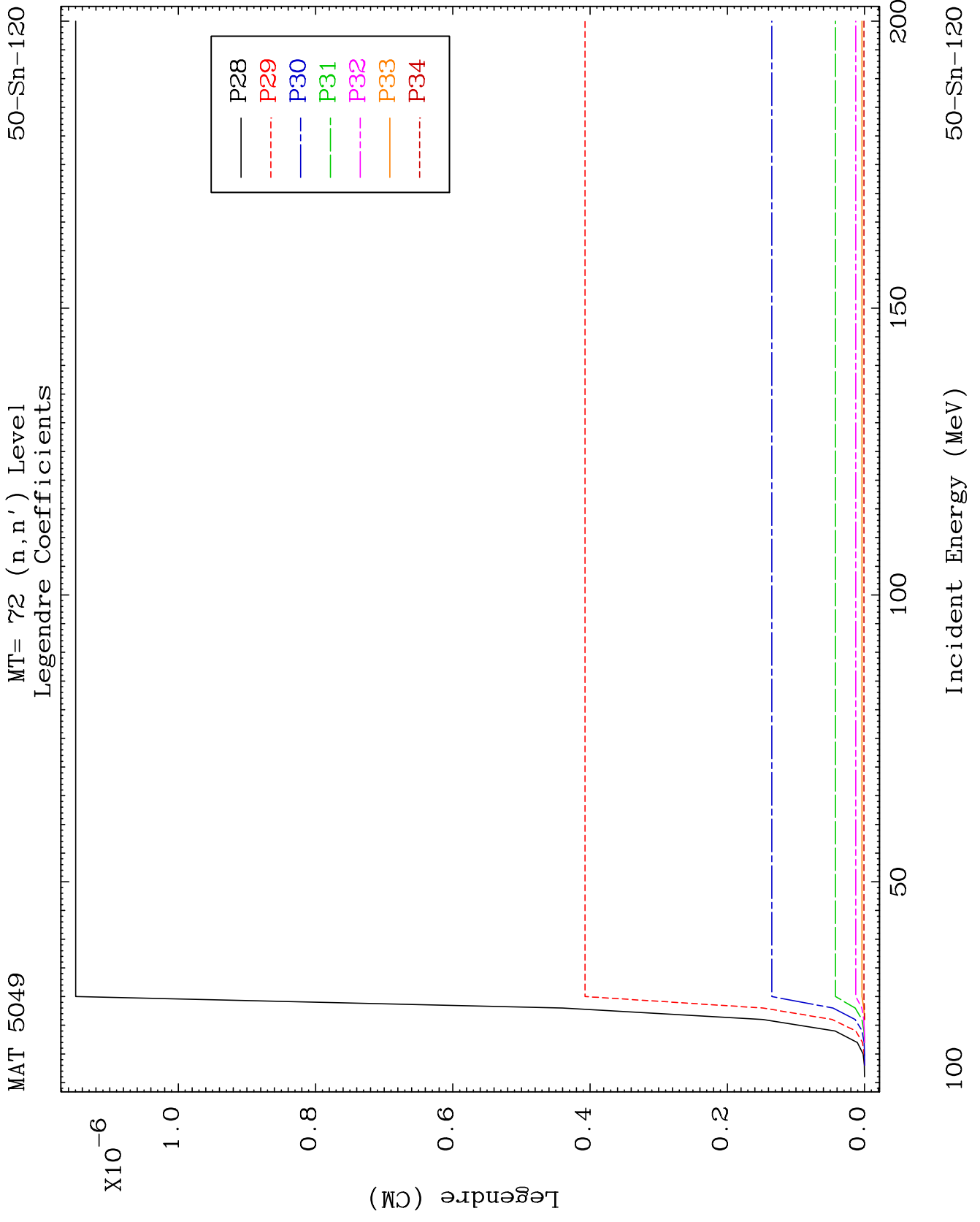
50-Sn-120

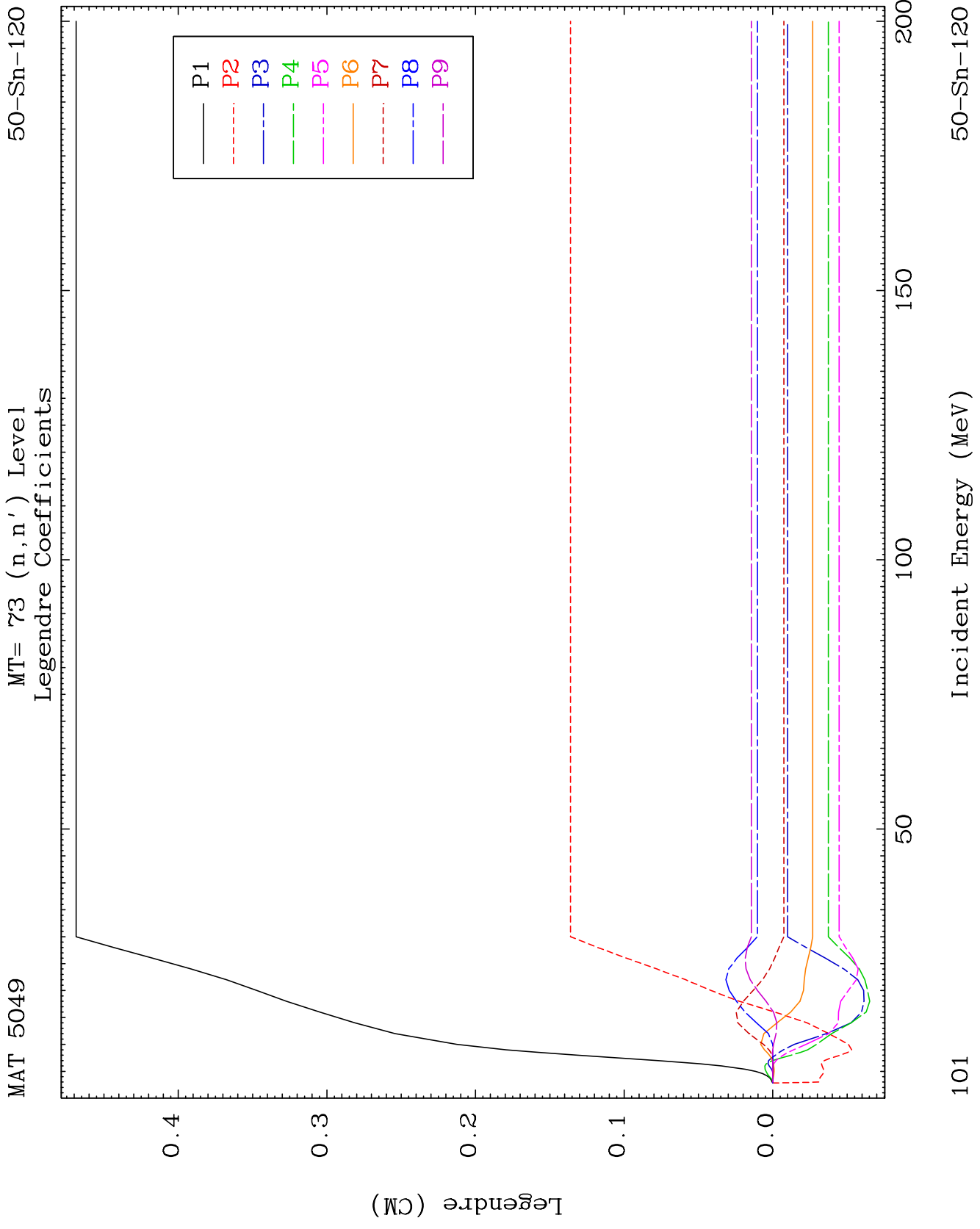


98

50-Sn-120



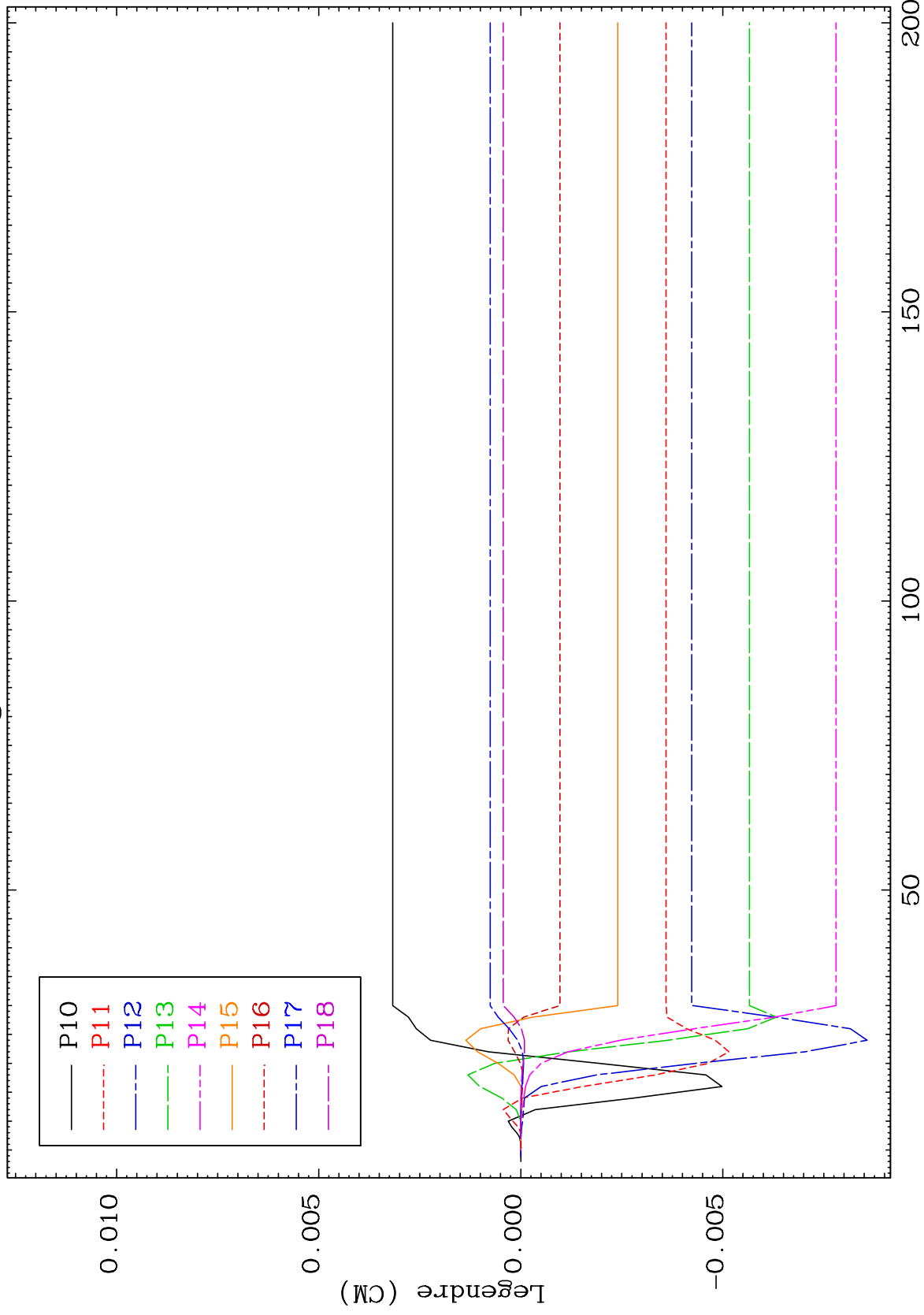




MAT 5049

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

50-Sn-120



102

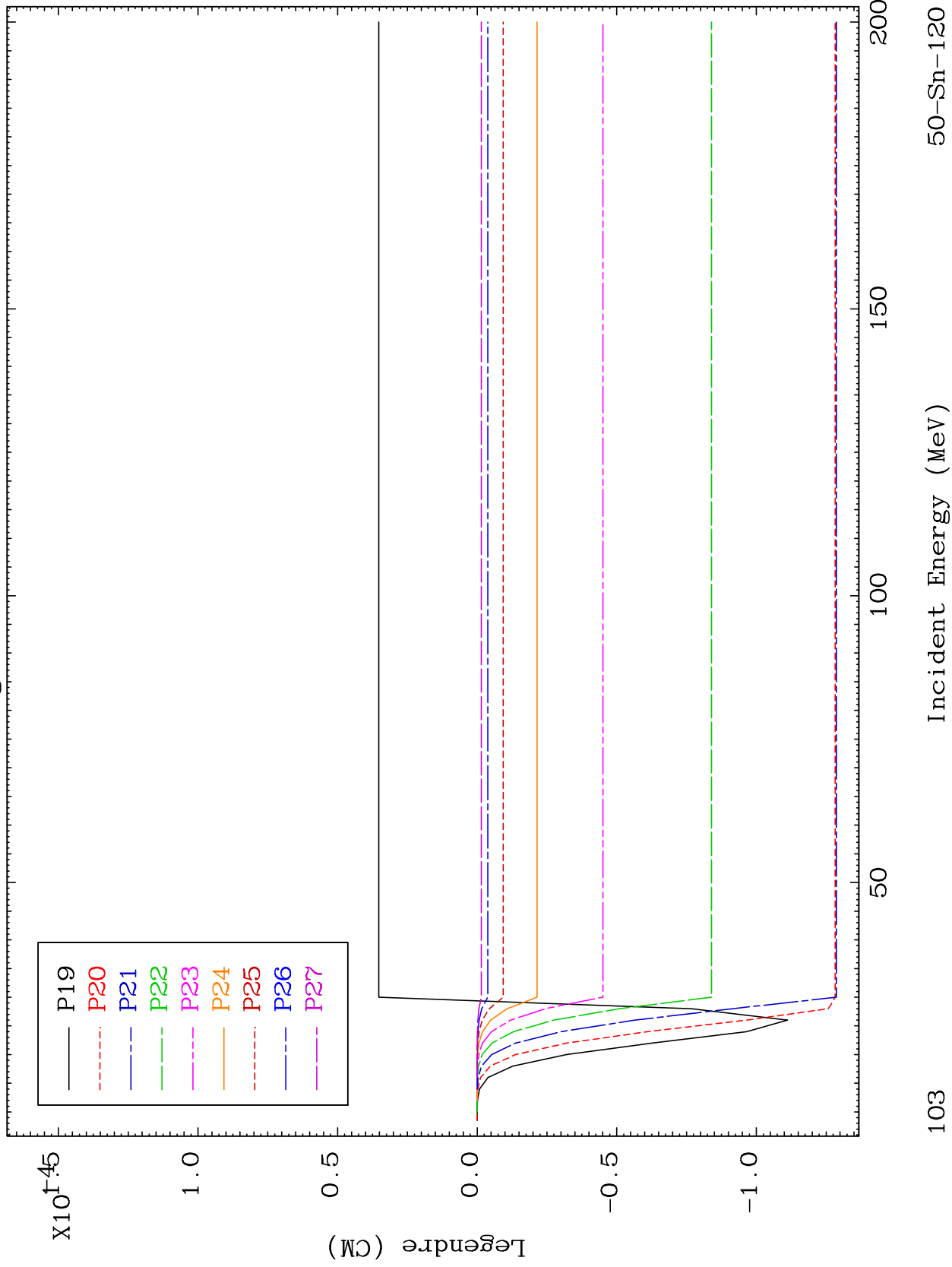
Incident Energy (MeV)

50-Sn-120

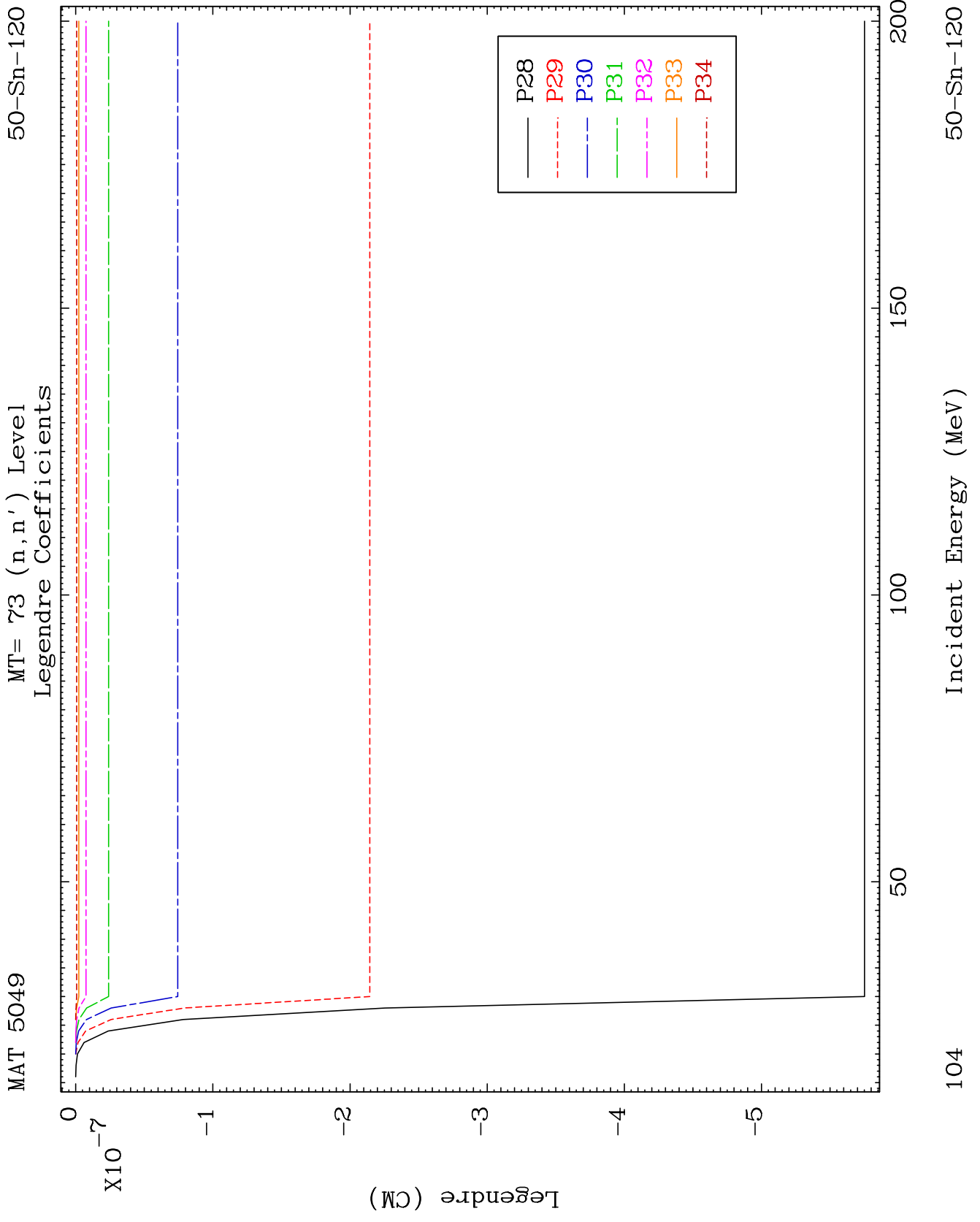
MAT 5049

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

50-Sn-120



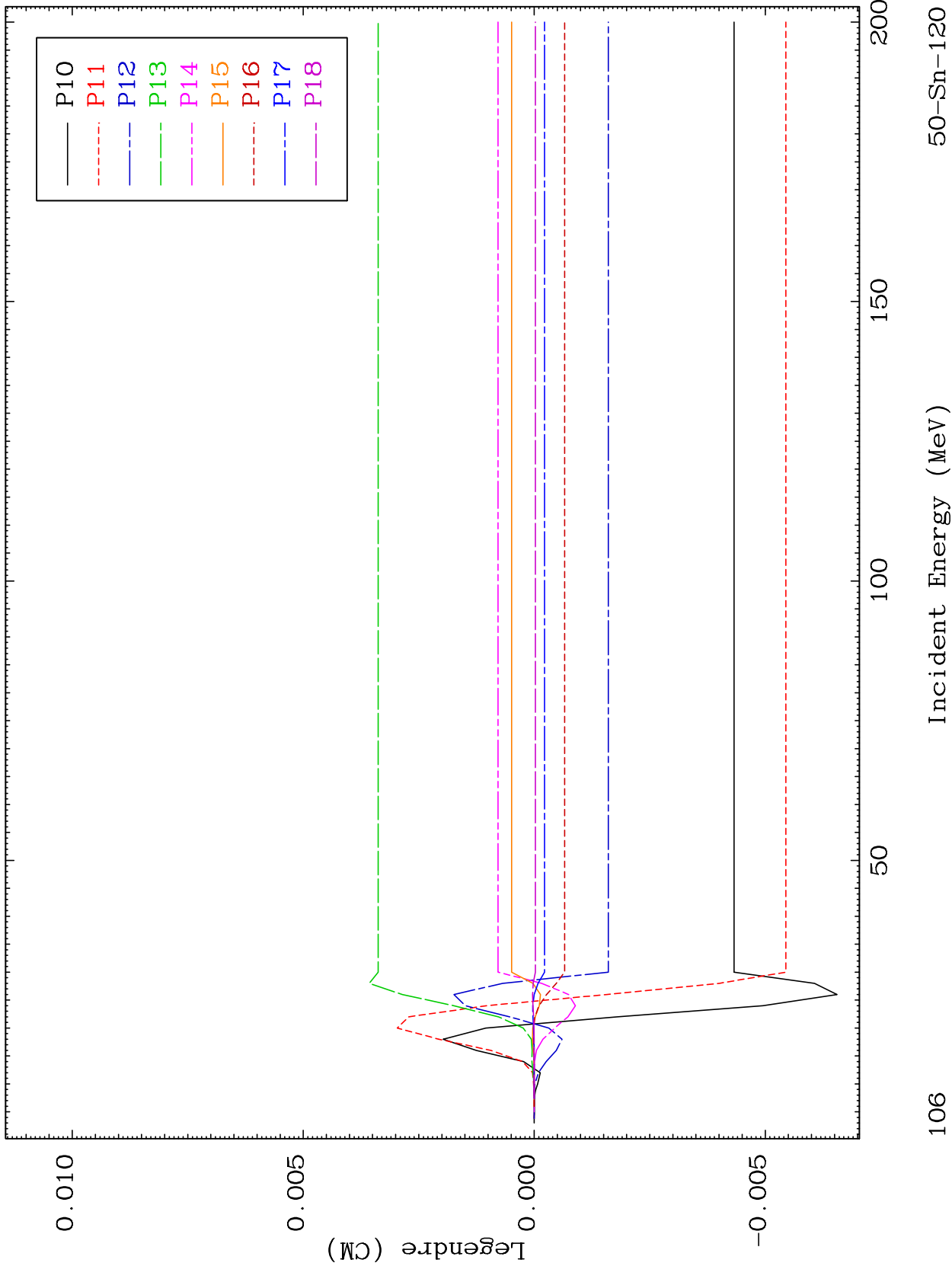
103



MAT 5049

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

50-Sn-120



106

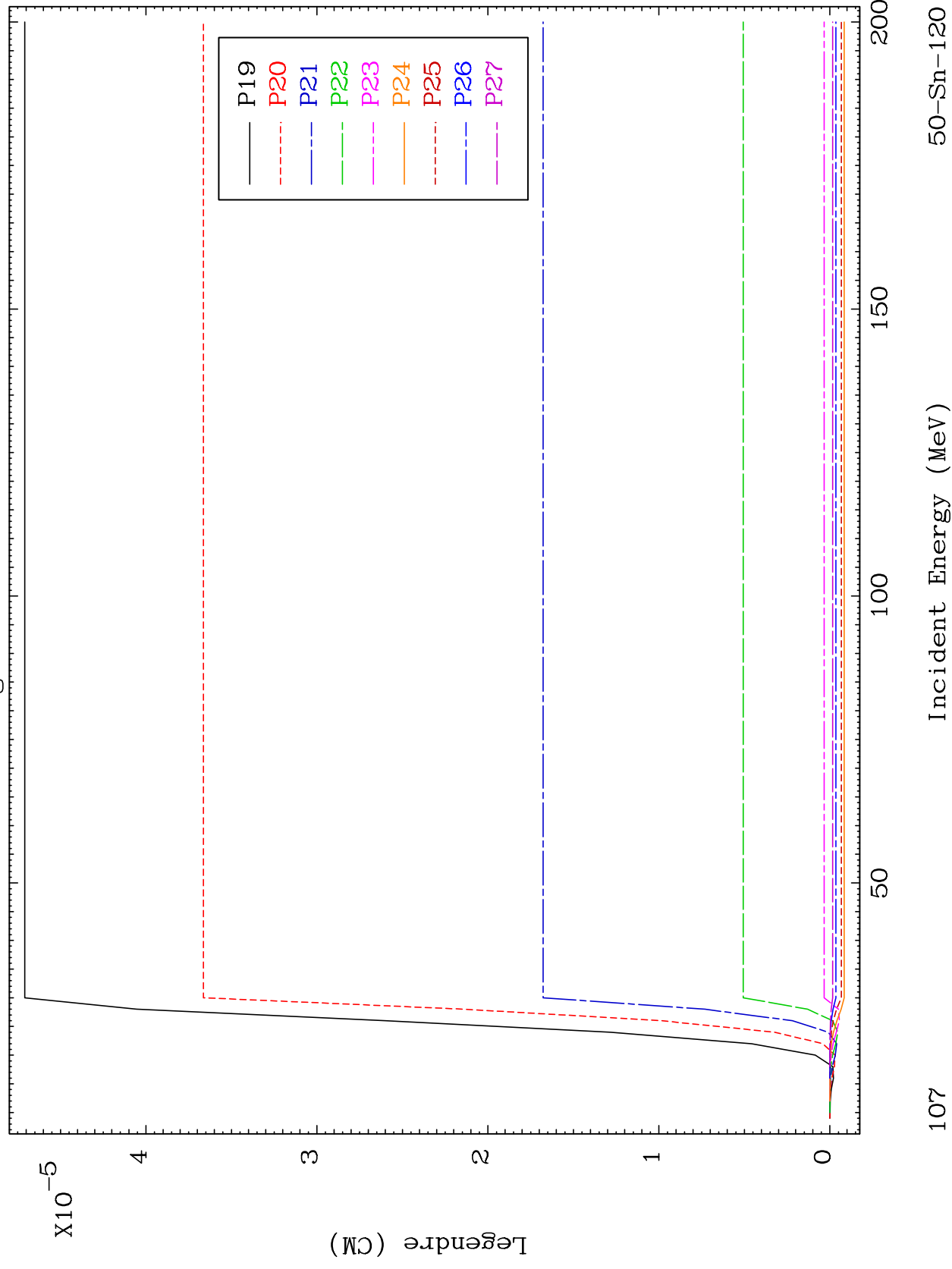
Incident Energy (MeV)

50-Sn-120

MAT 5049

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

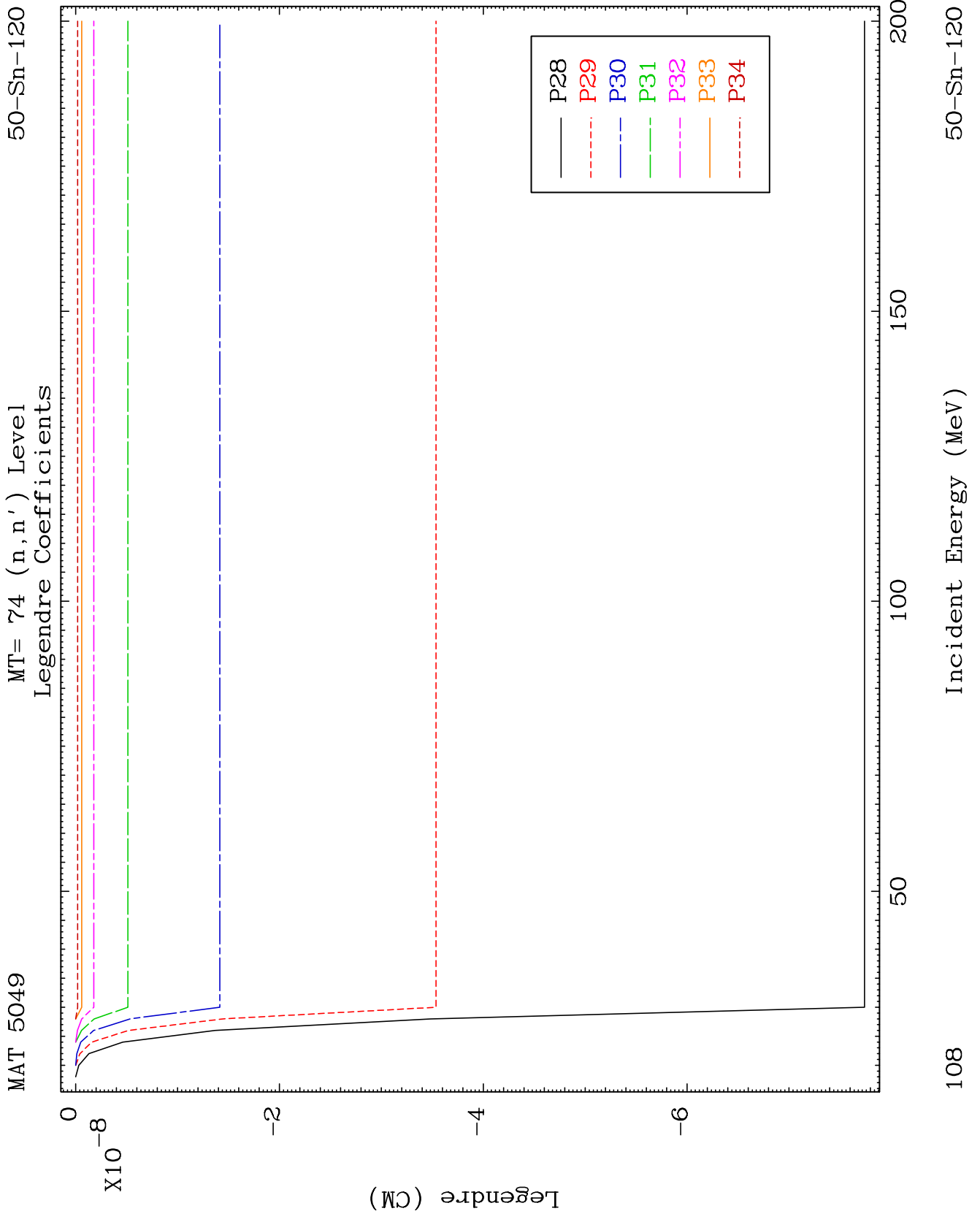
50-Sn-120

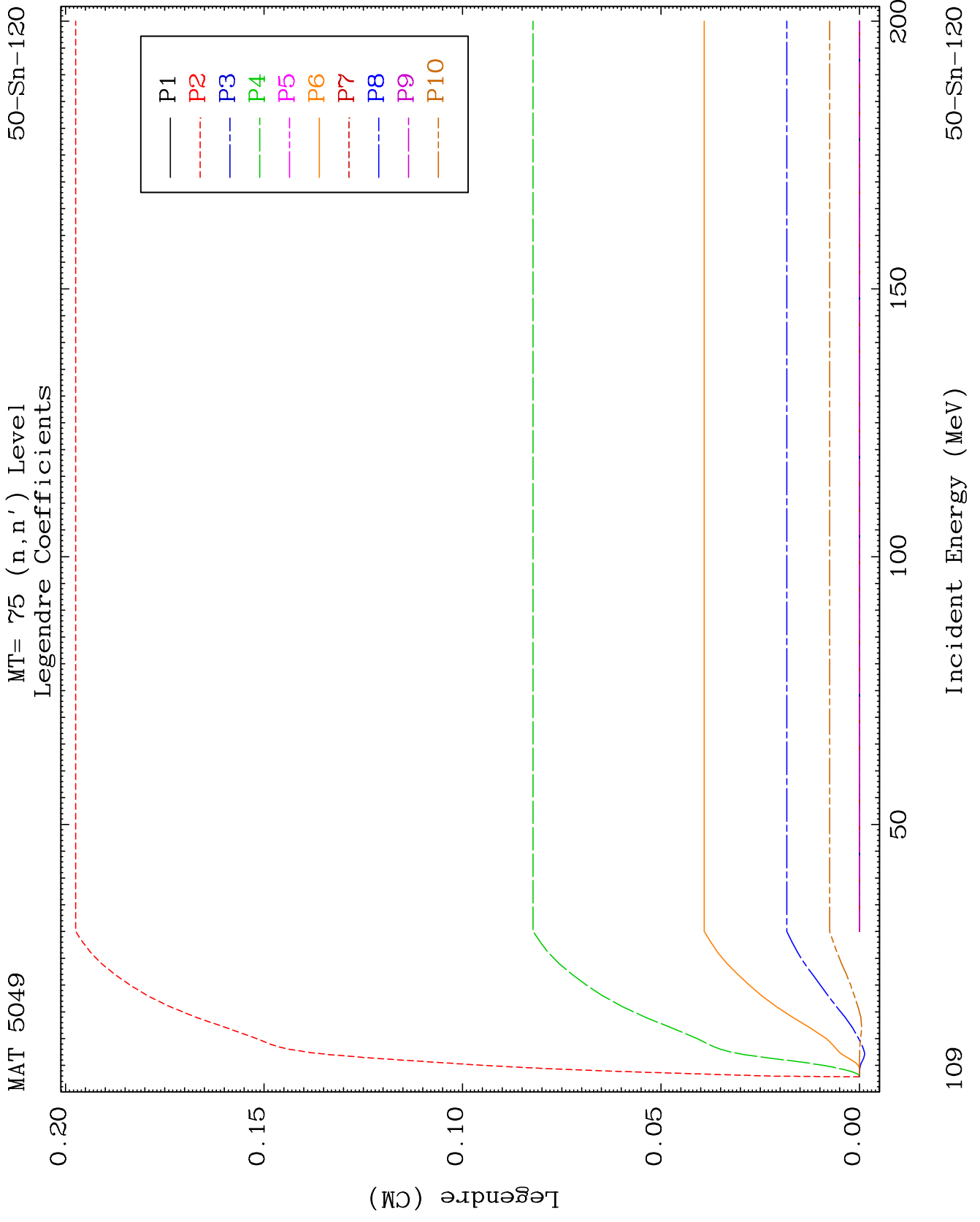


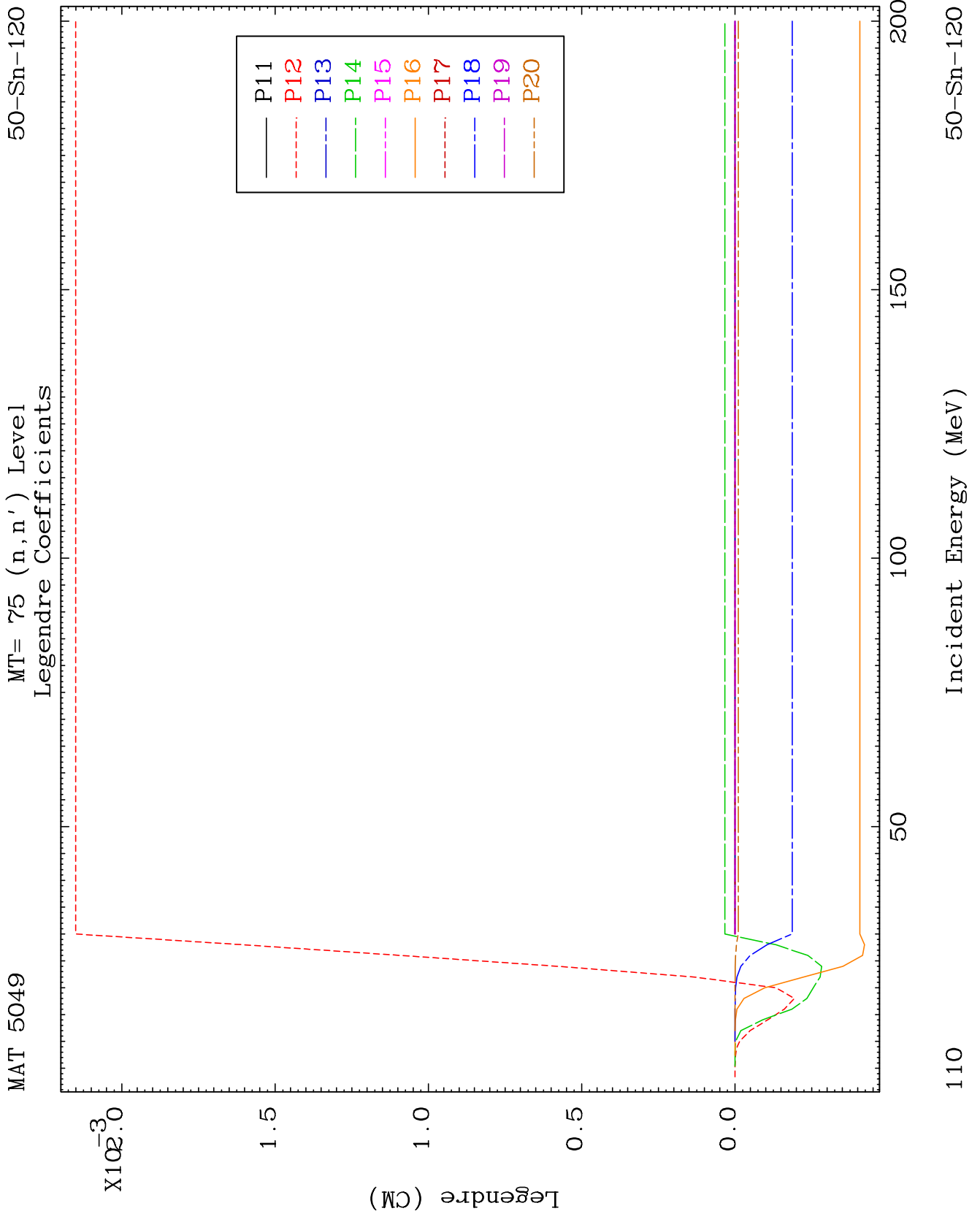
107

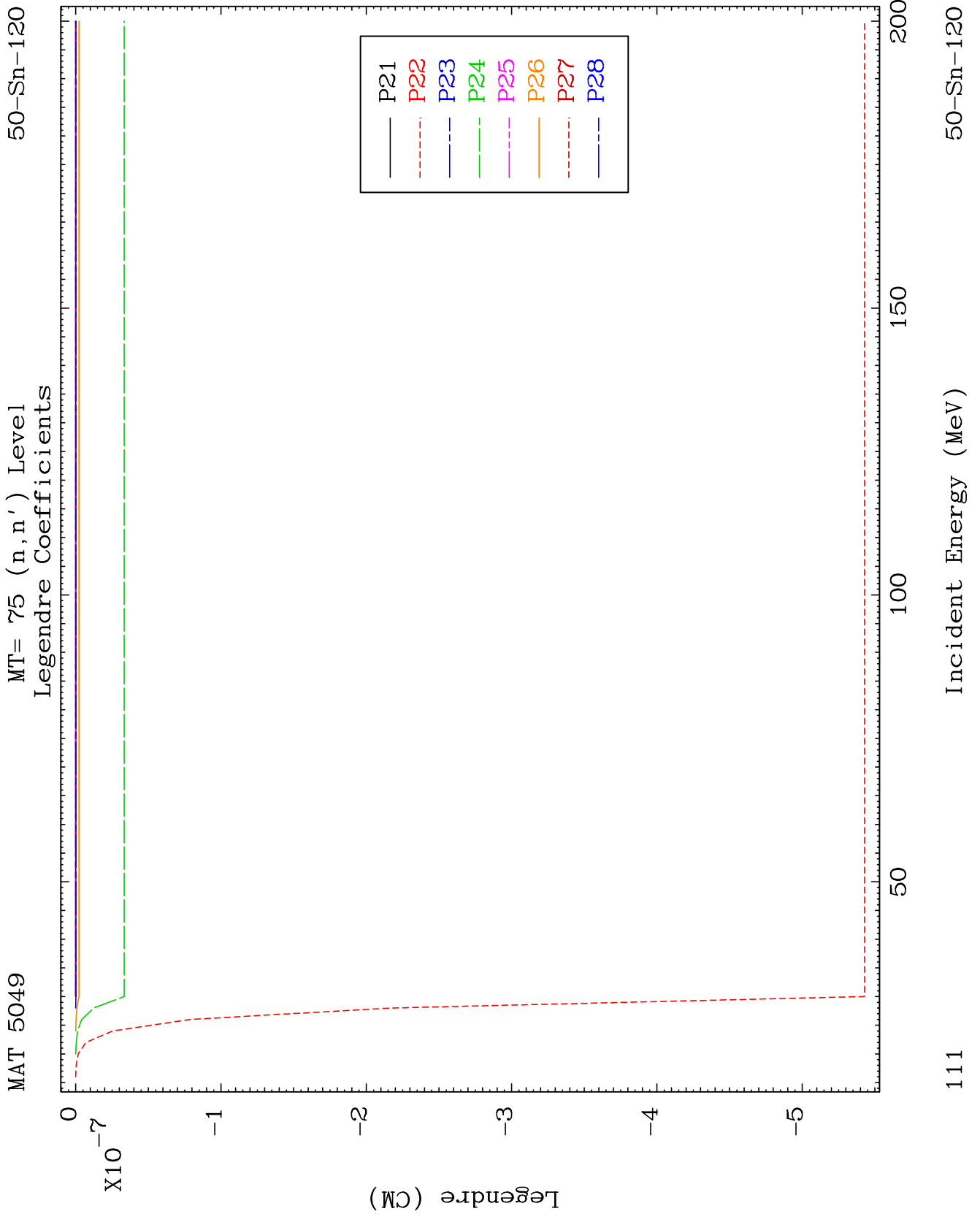
Incident Energy (MeV)

50-Sn-120





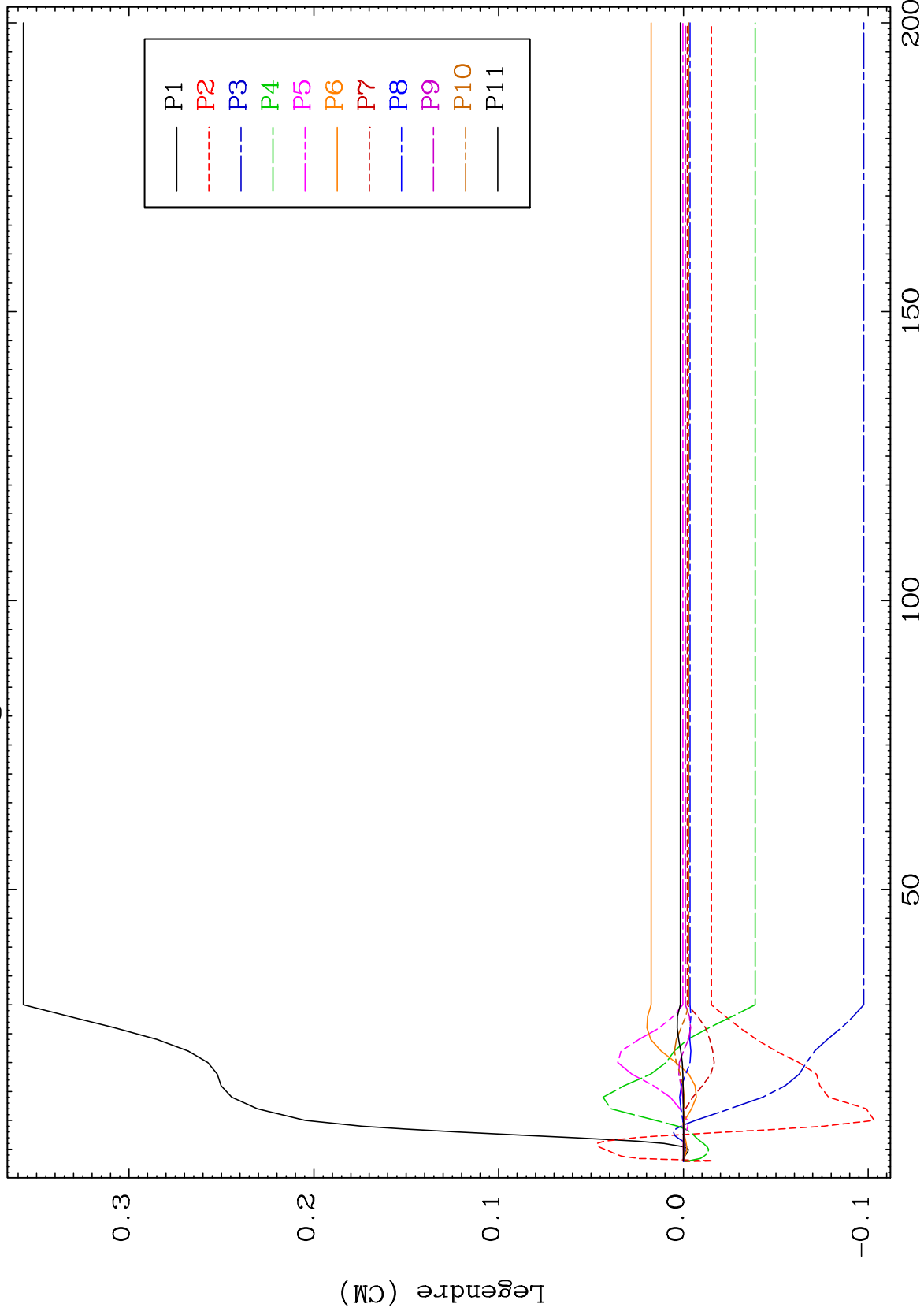




MAT 5049

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

50-Sn-120



112

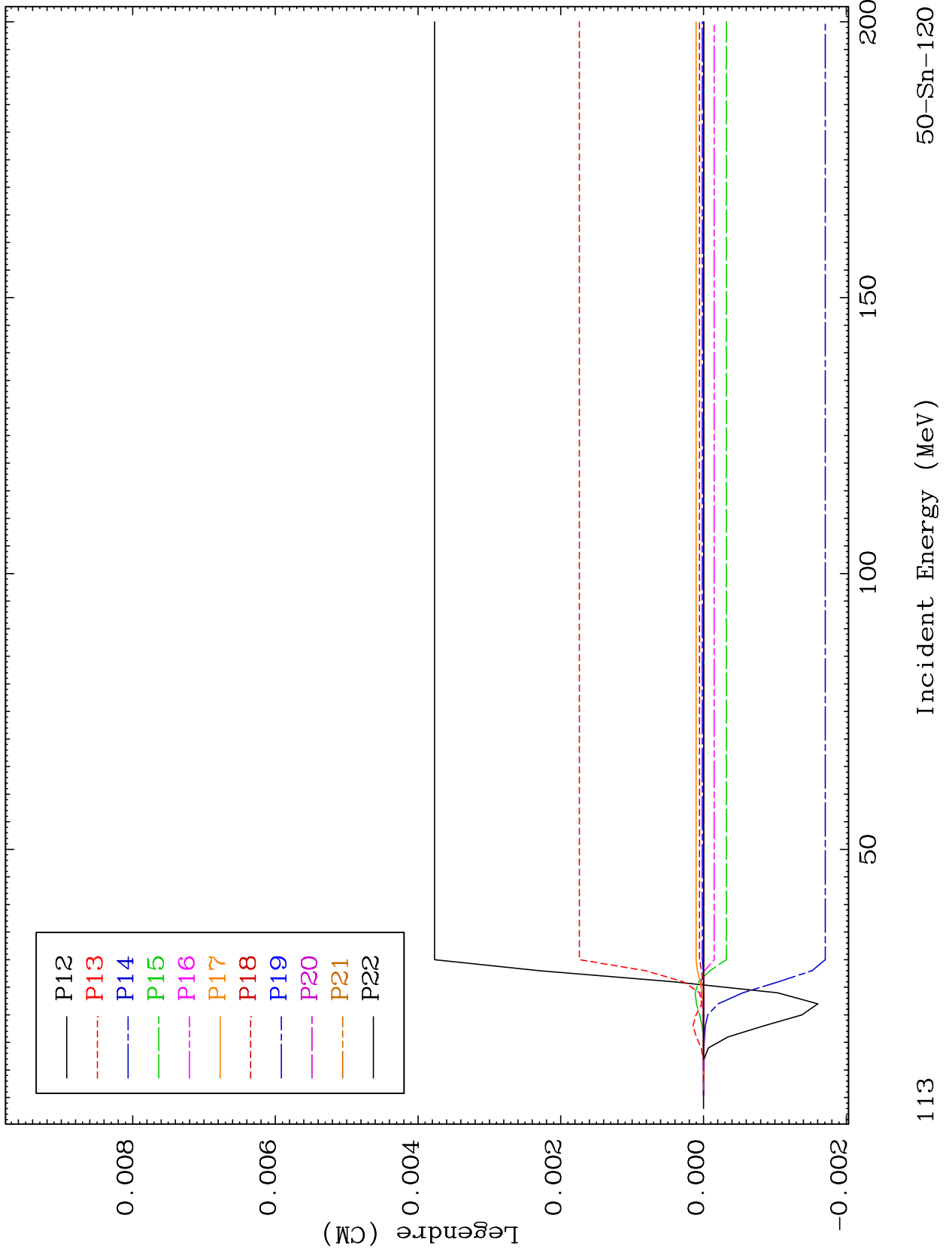
Incident Energy (MeV)

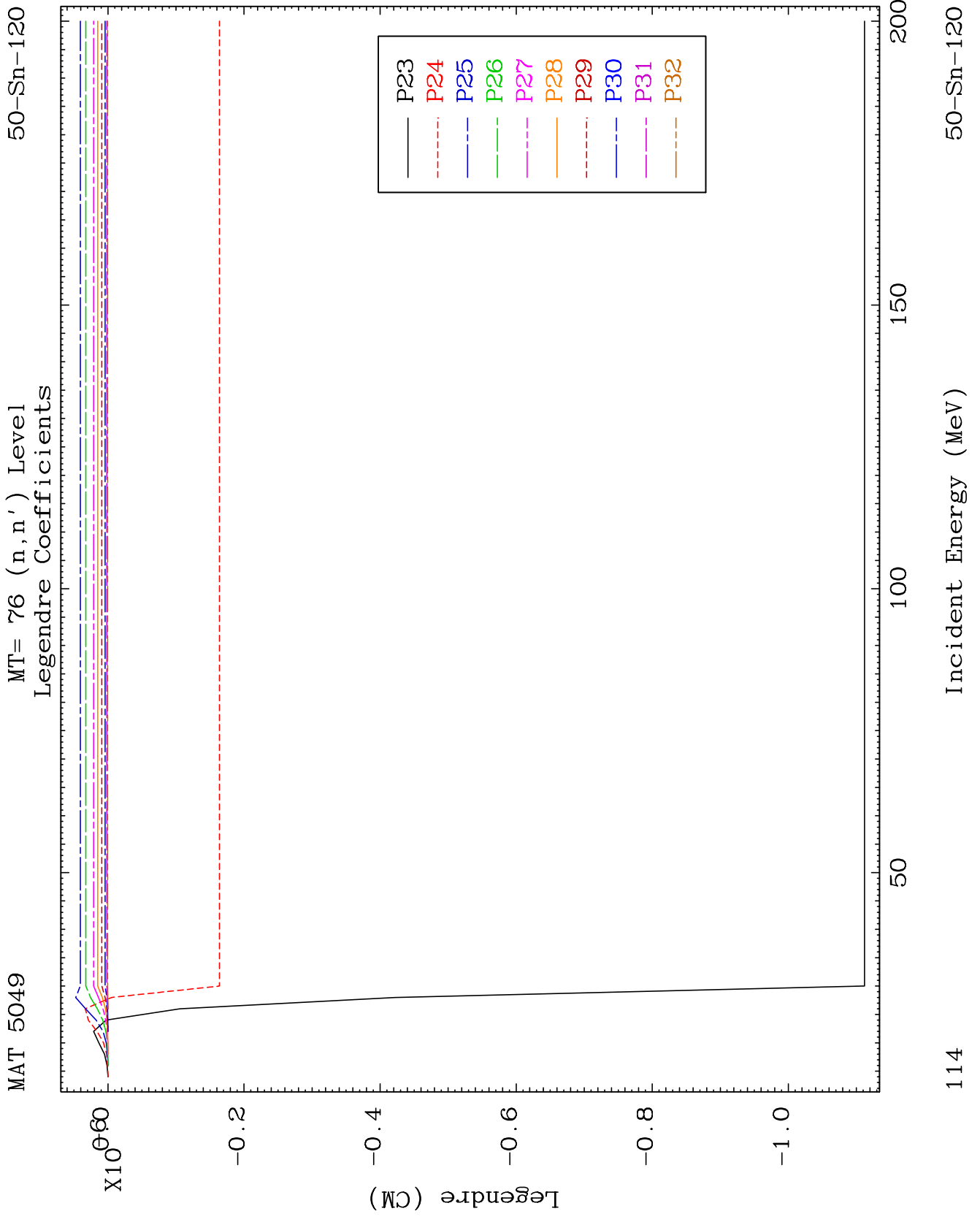
50-Sn-120

MAT 5049

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

50-Sn-120

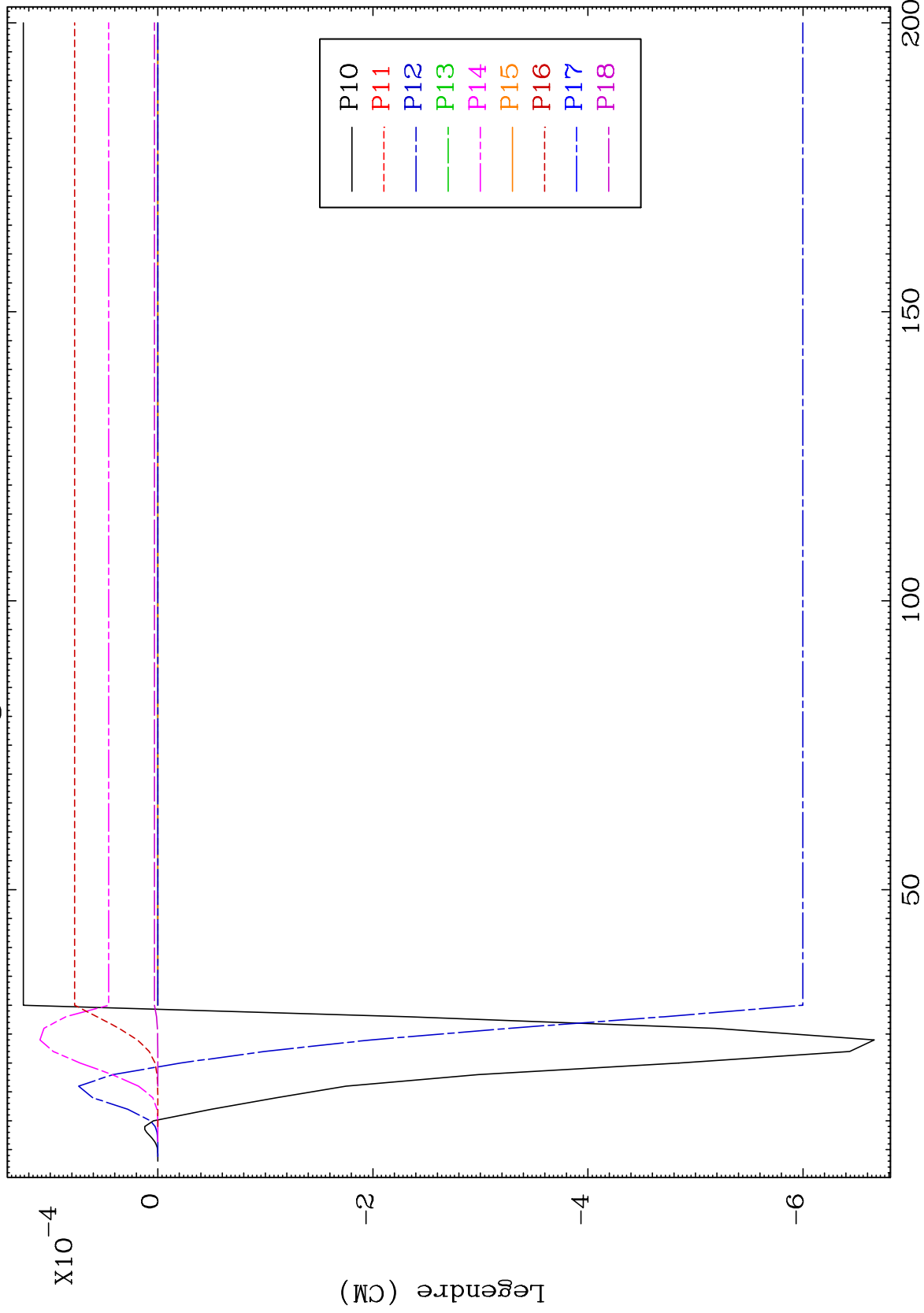




MAT 5049

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

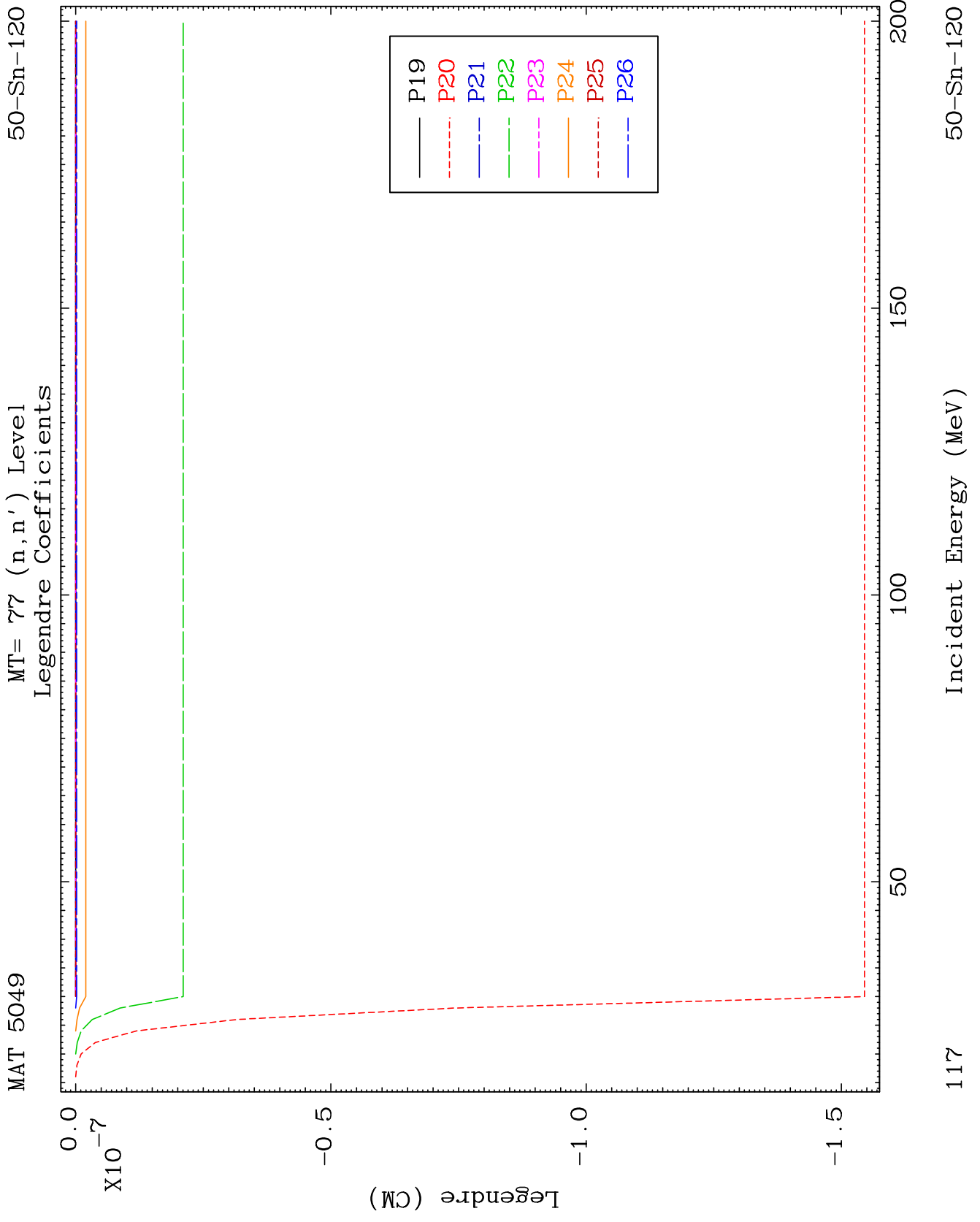
50-Sn-120

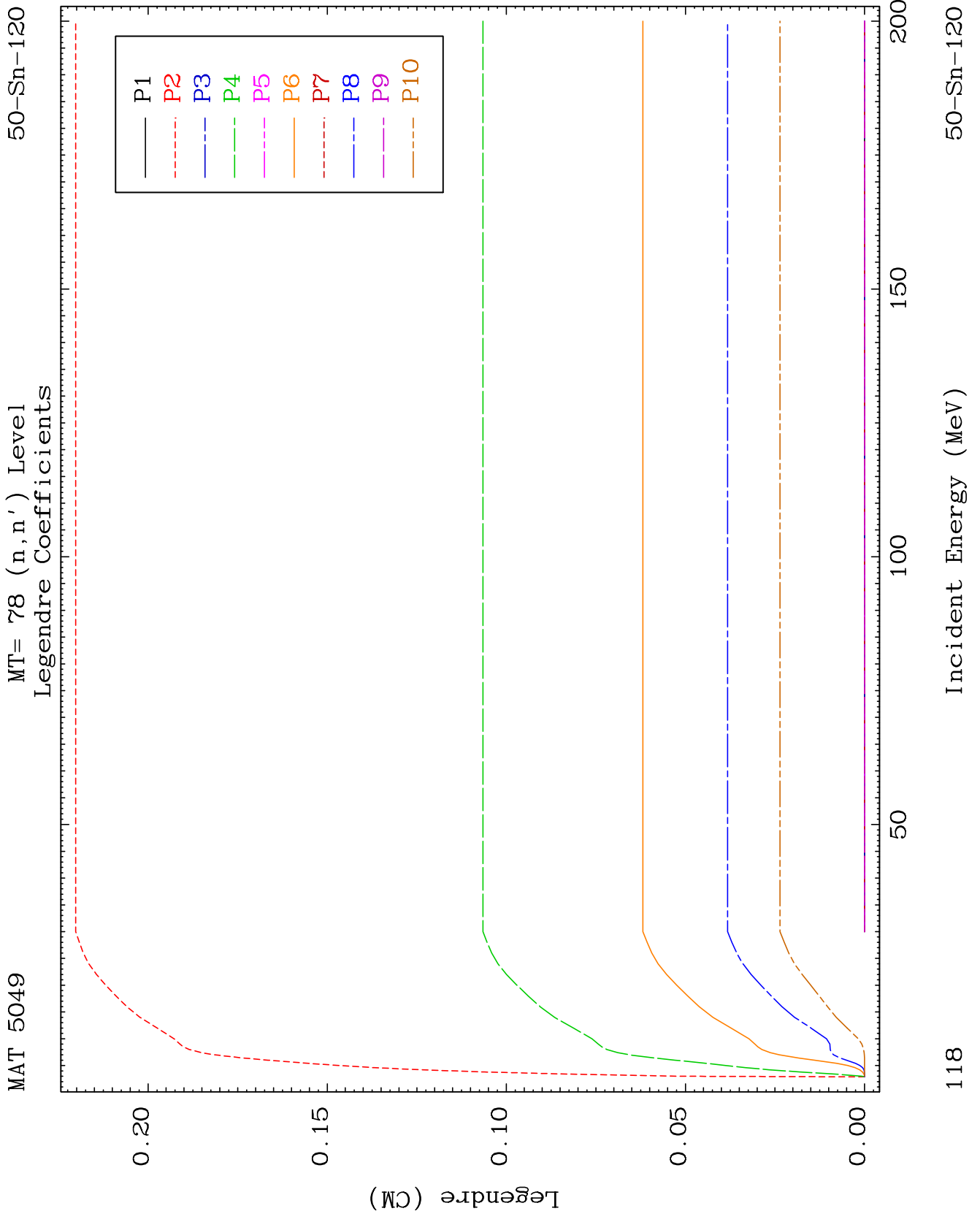


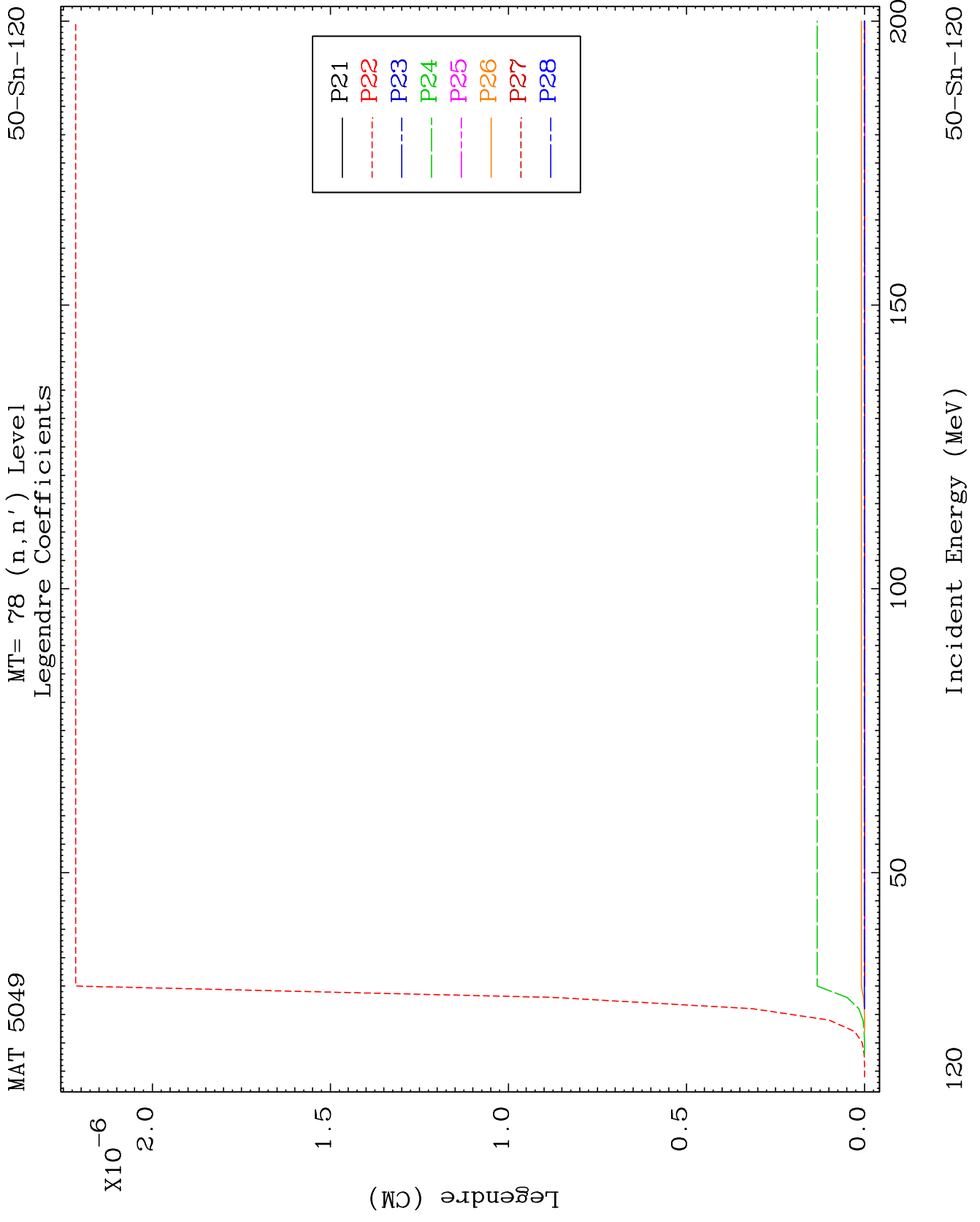
116

Incident Energy (MeV)

50-Sn-120



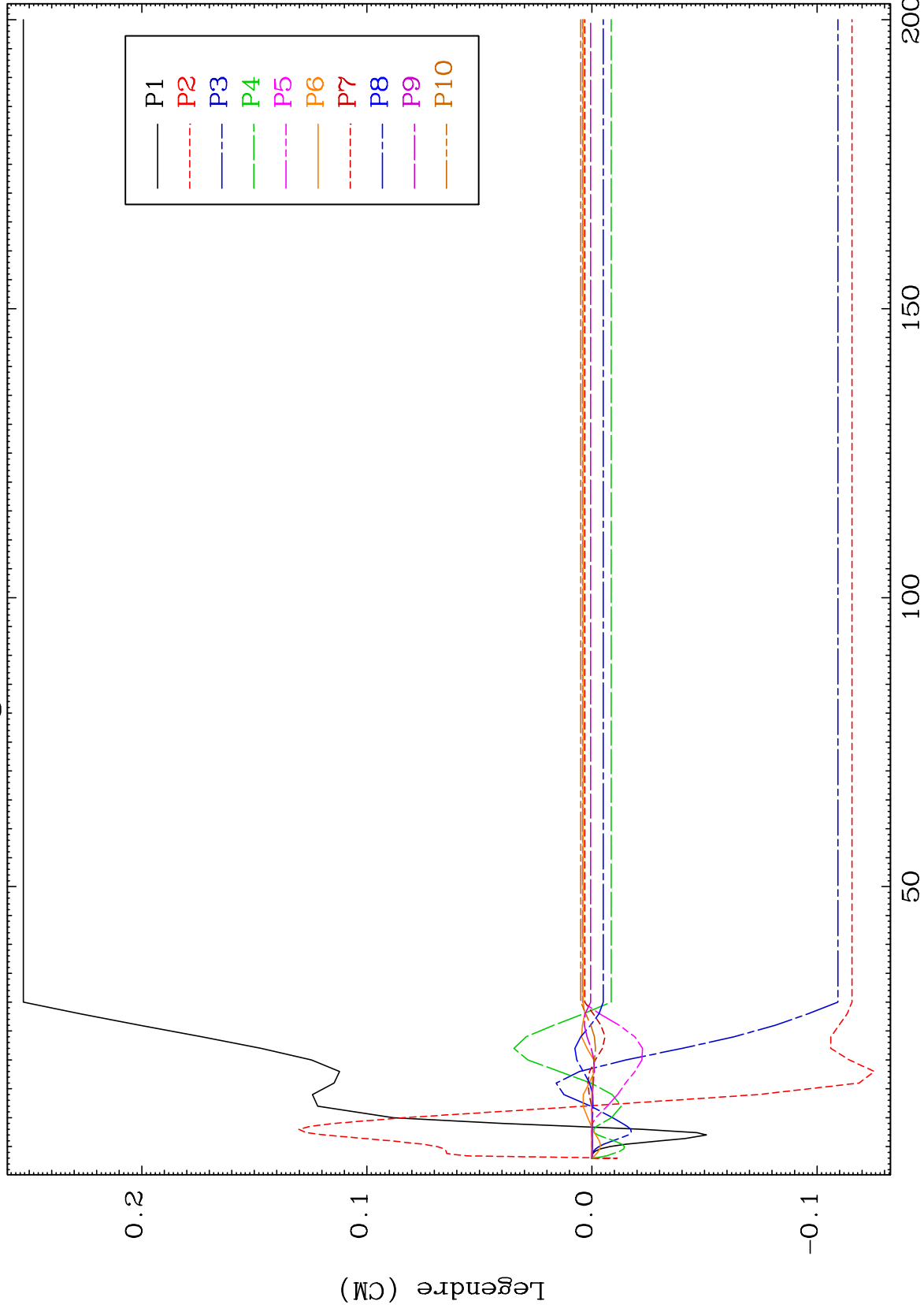




MAT 5049

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

50-Sn-120



121

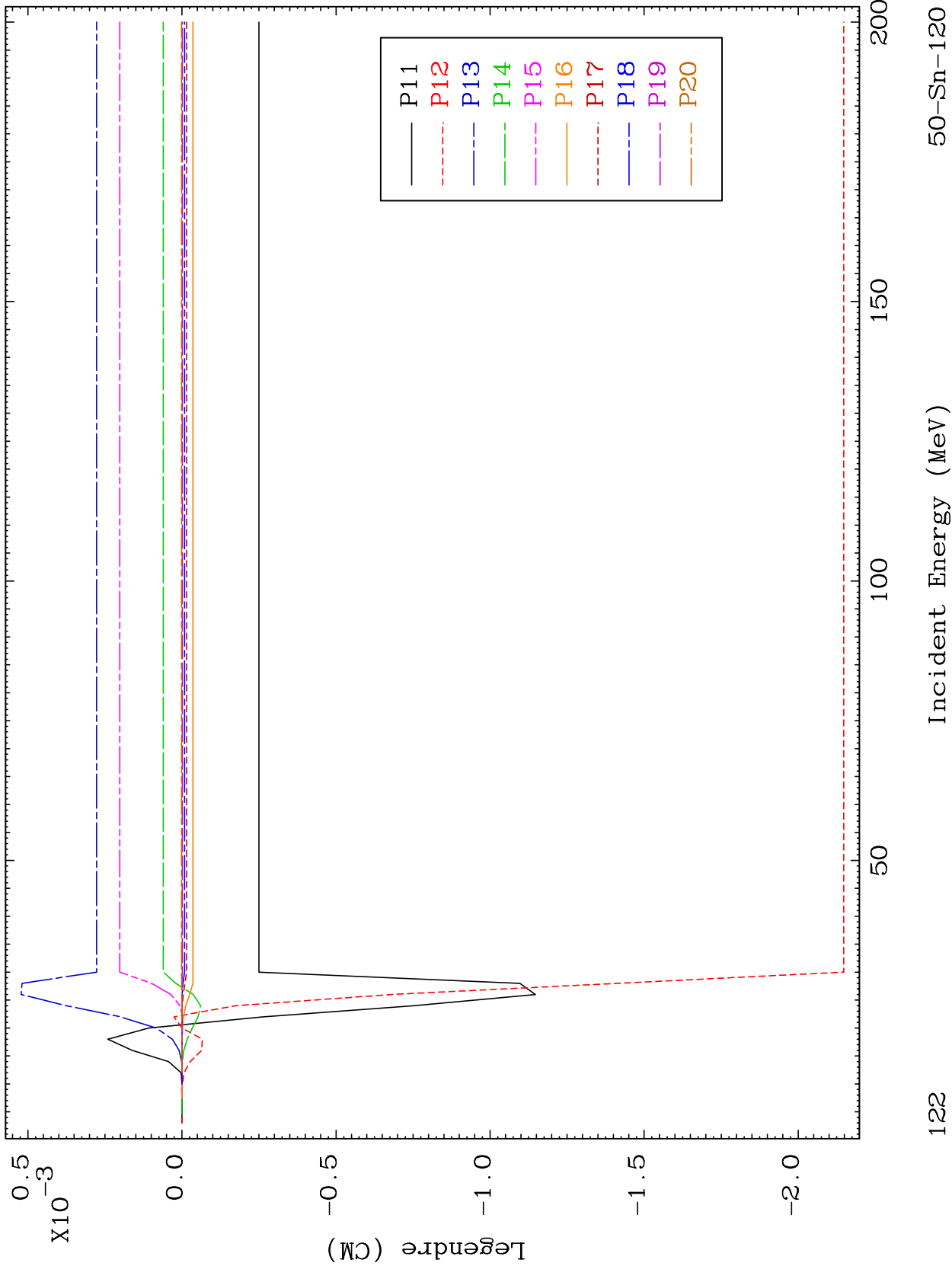
Incident Energy (MeV)

50-Sn-120

MAT 5049

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

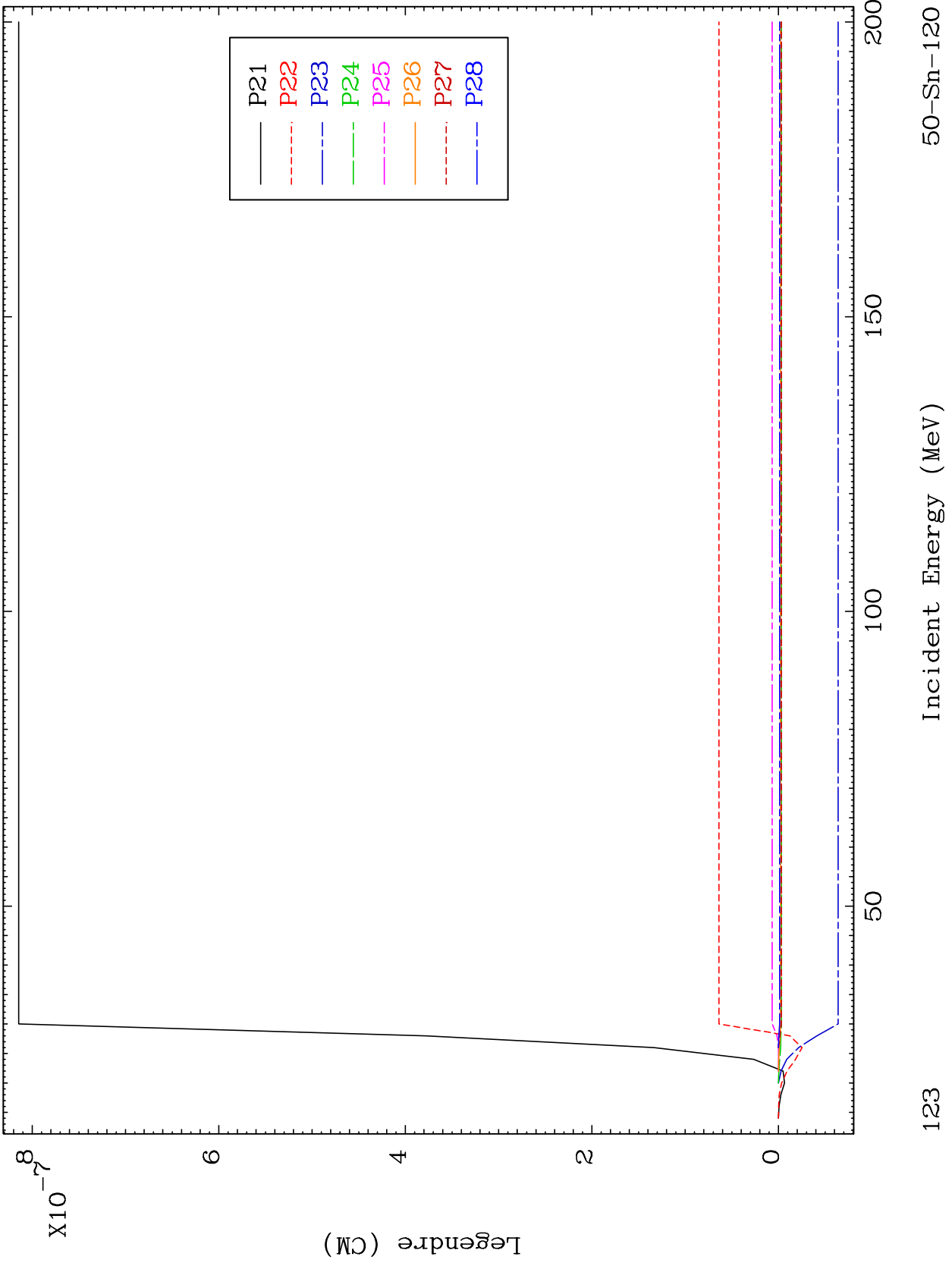
50-Sn-120



MAT 5049

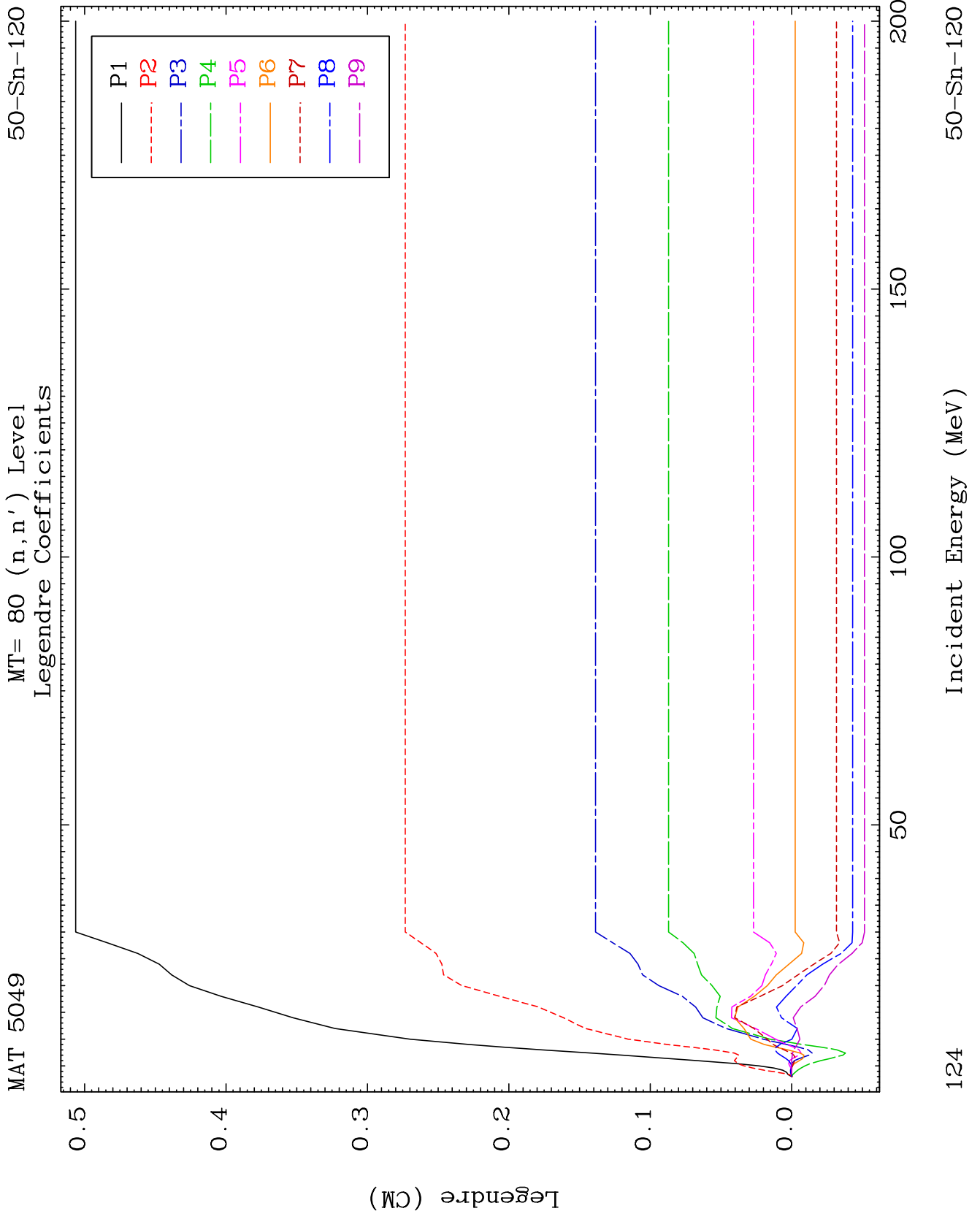
MT= 79 (n,n') Level
Legendre Coefficients

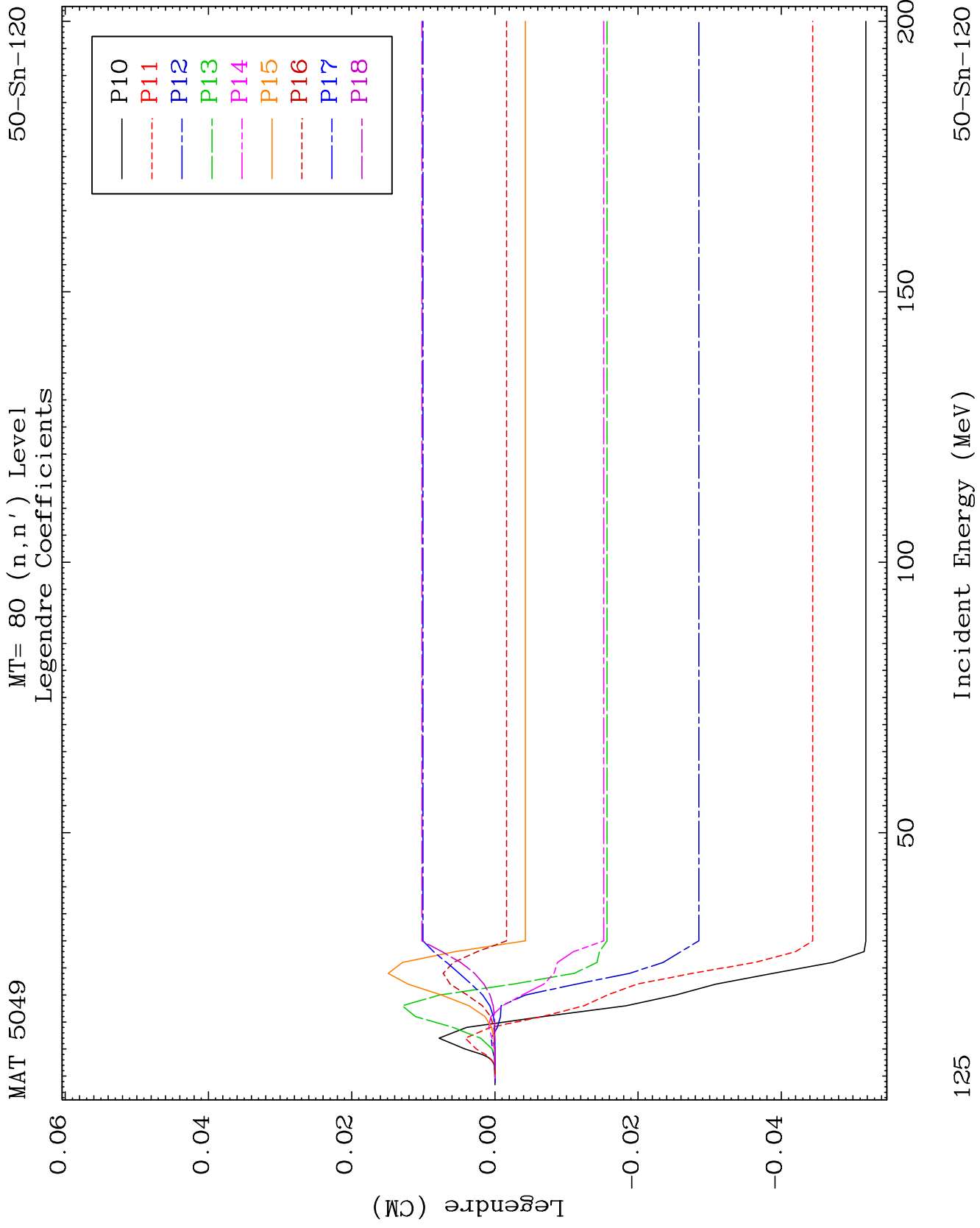
50-Sn-120

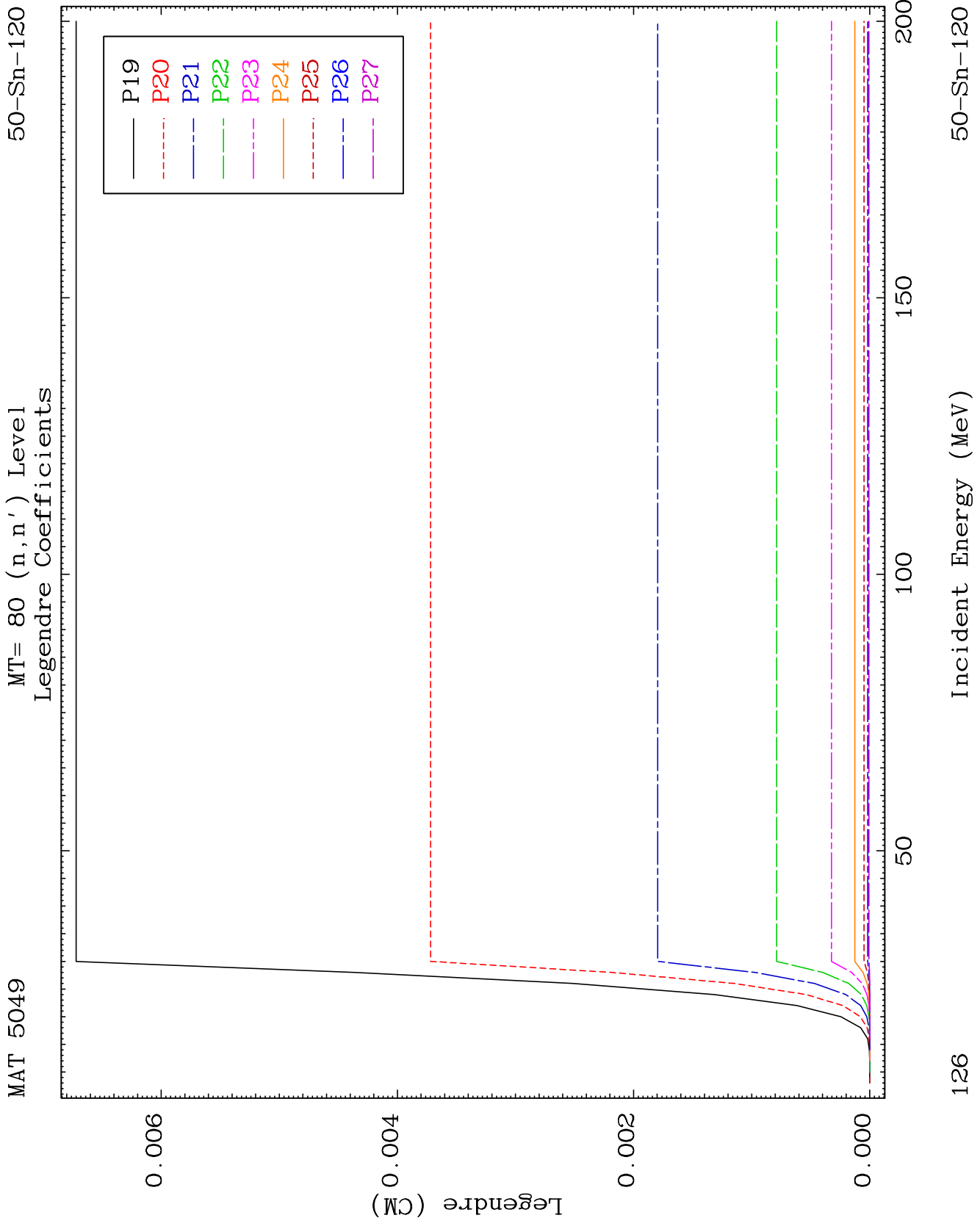


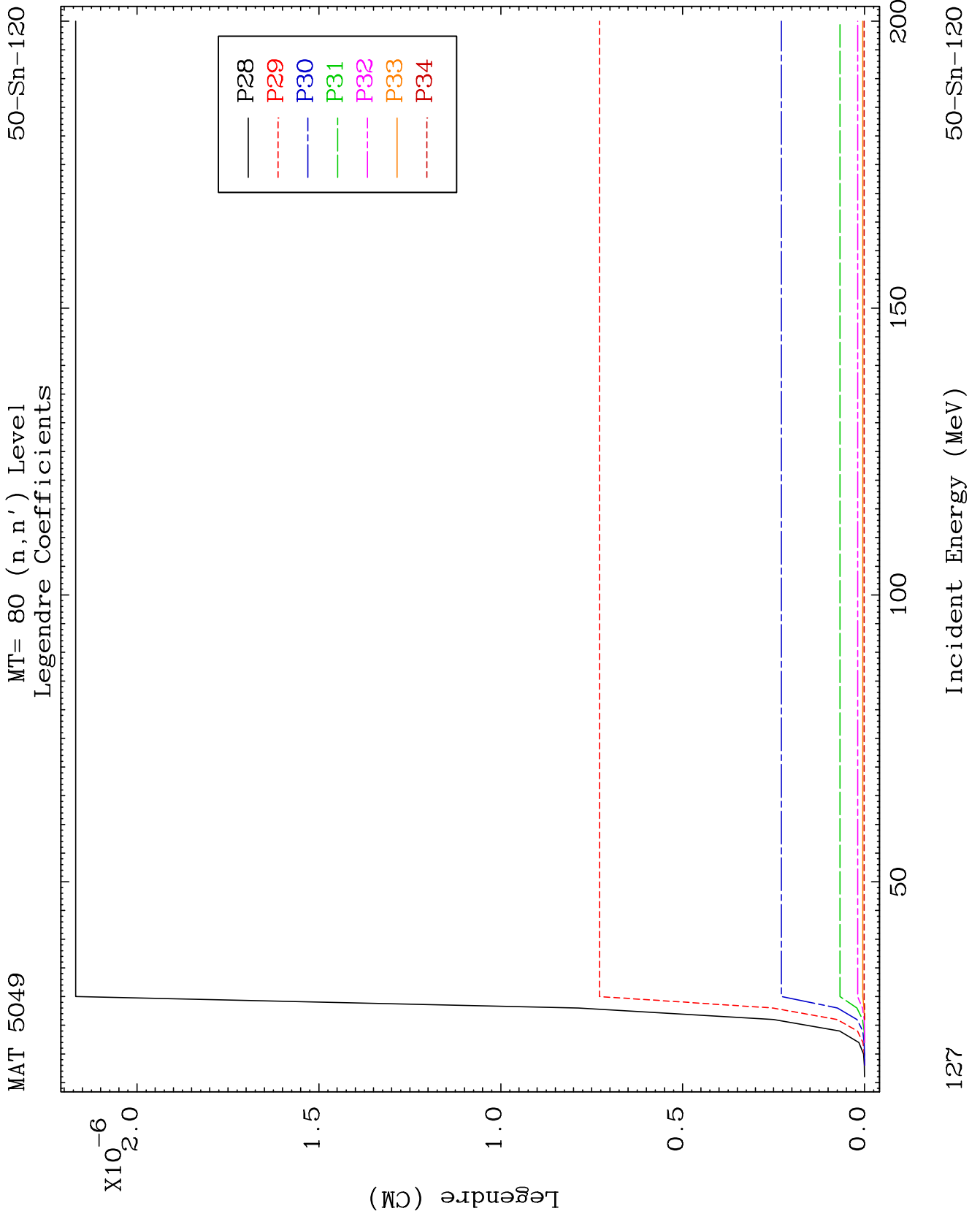
123

50-Sn-120

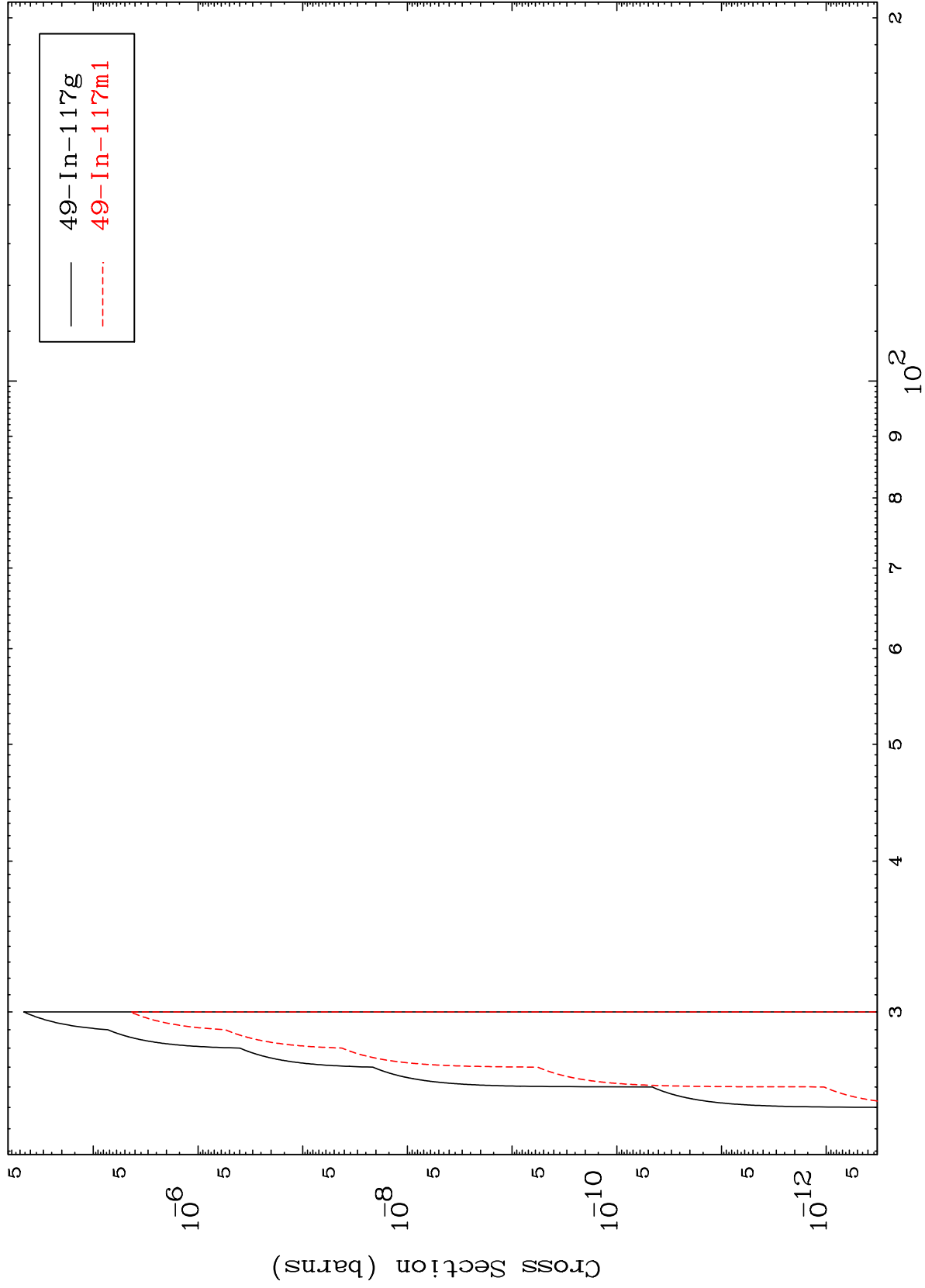








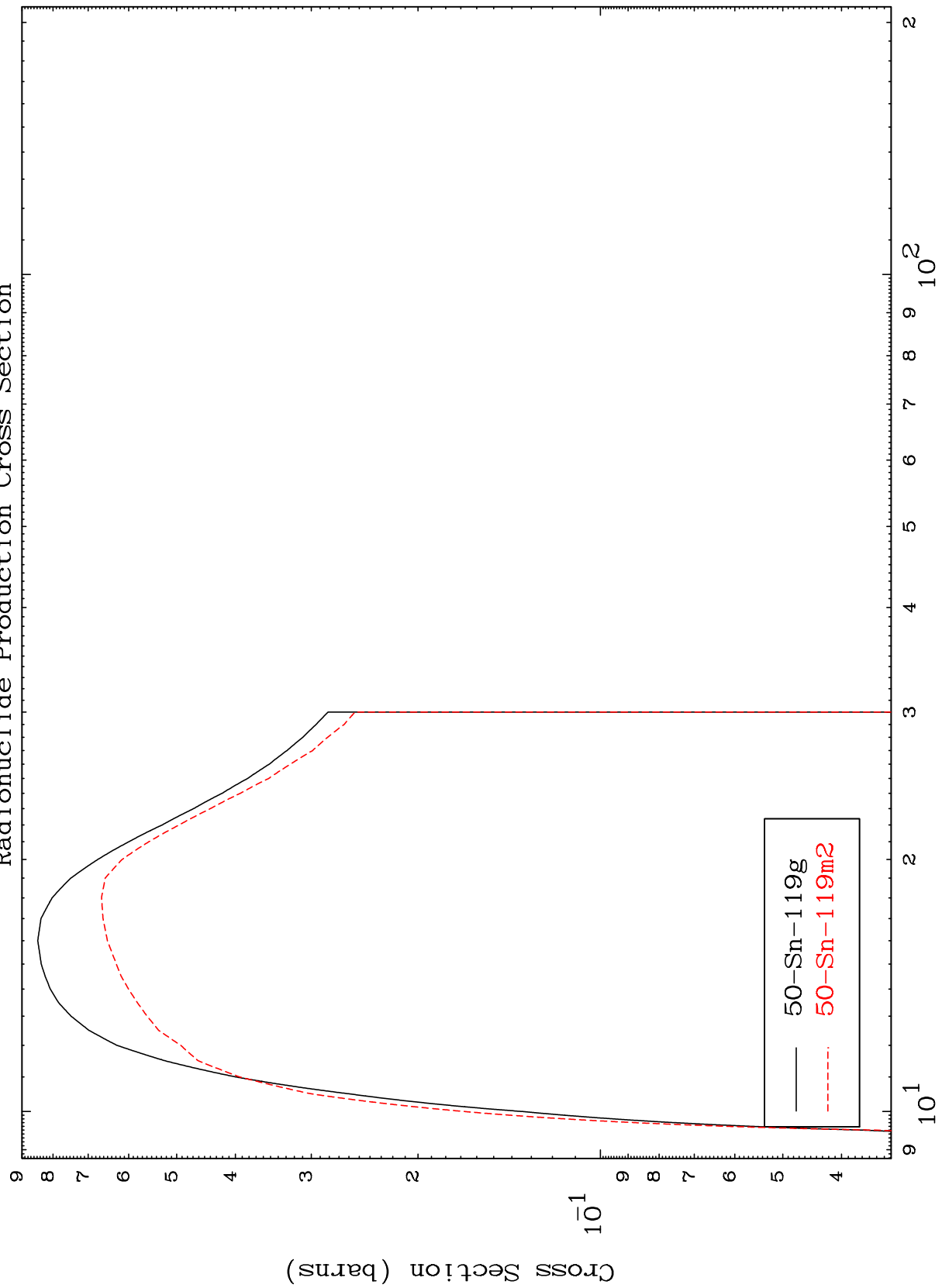
Radionuclide Production Cross Section



MAT 5049

50-Sn-120

(n,2n)
Radionuclide Production Cross Section



— 50-Sn-119g
- - - 50-Sn-119m2

Incident Energy (MeV)

50-Sn-120

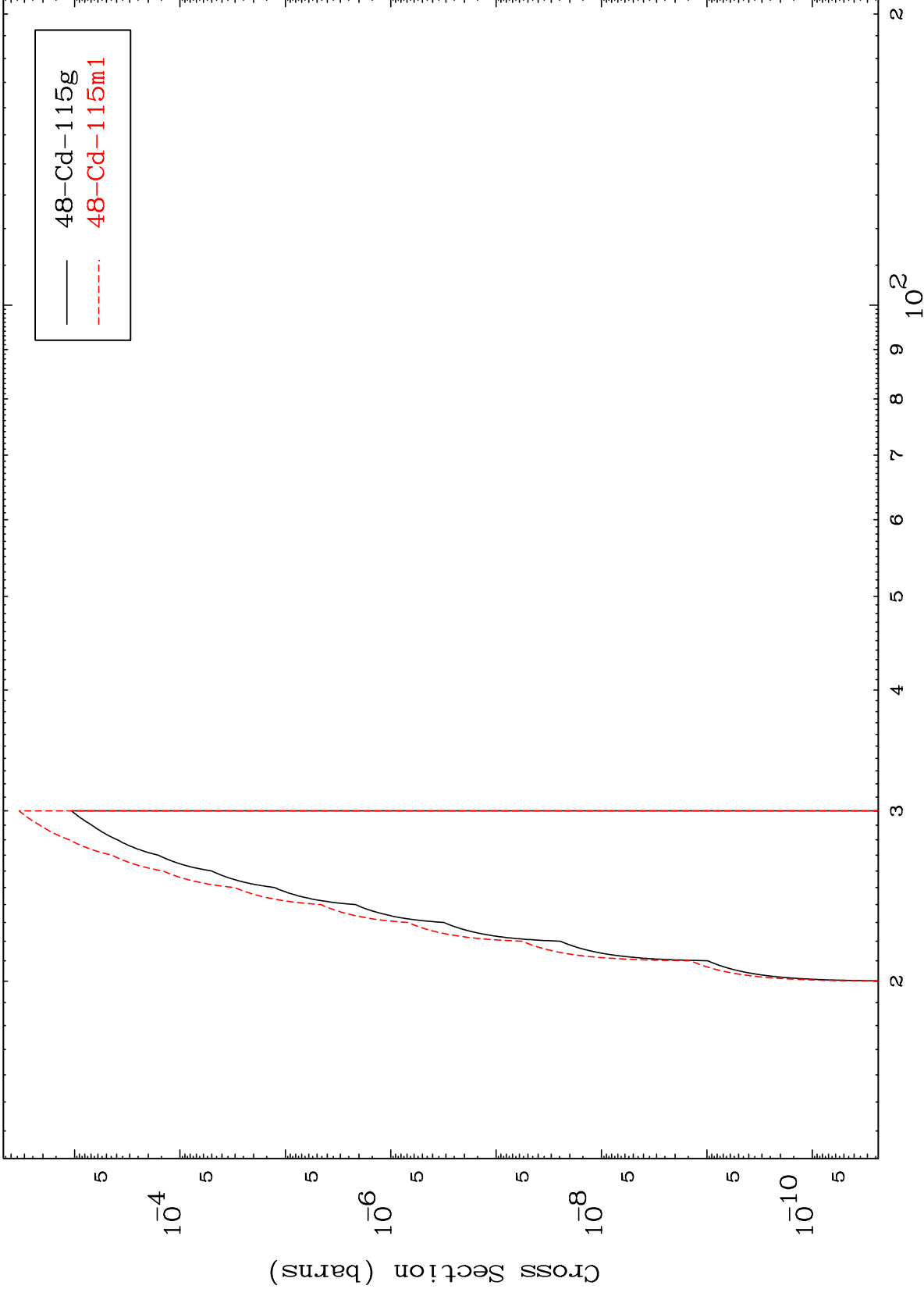
129

MAT 5049

(n,2n) α

50-Sn-120

Radionuclide Production Cross Section



130

Incident Energy (MeV)

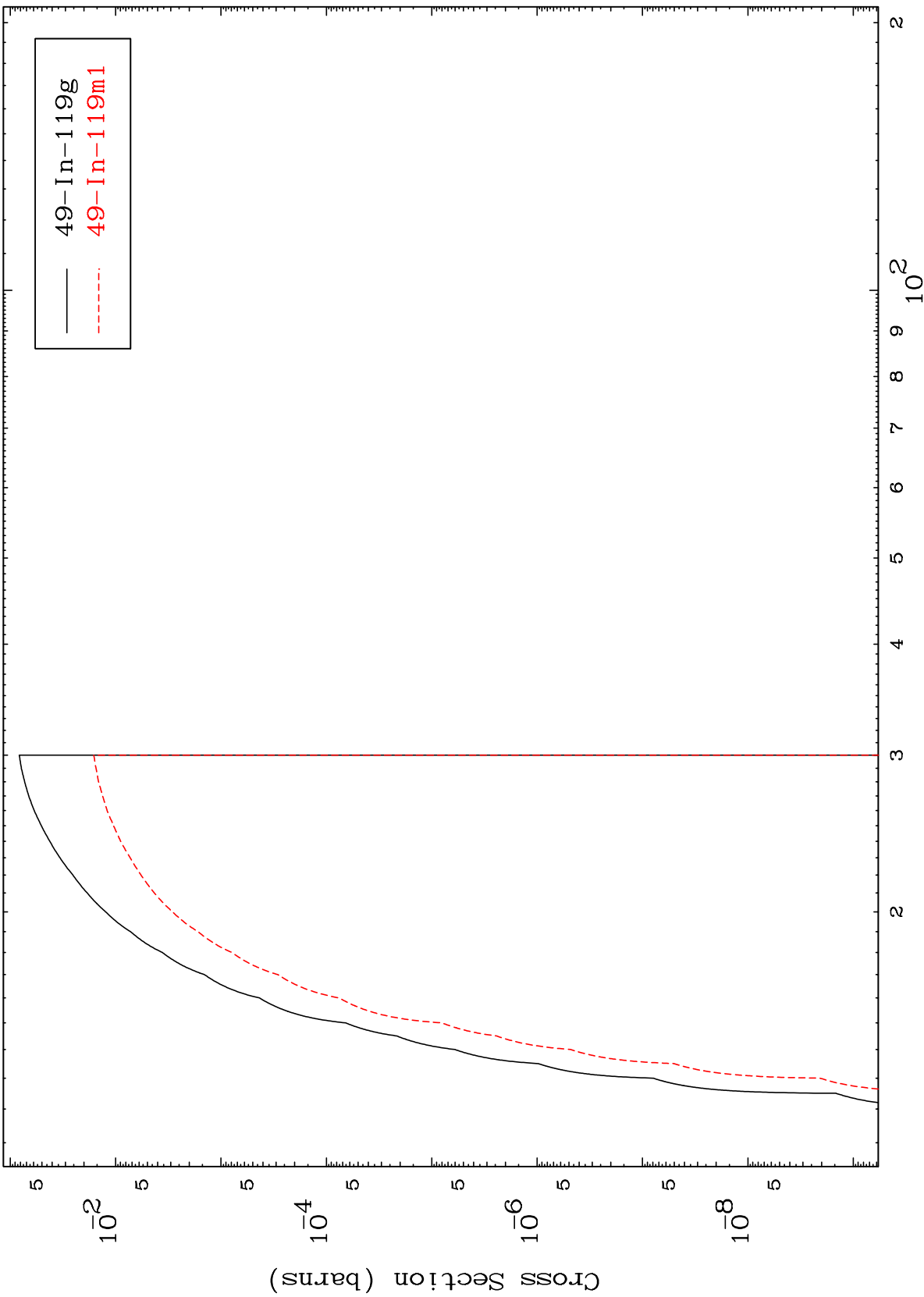
50-Sn-120

MAT 5049

(n,n') p

50-Sn-120

Radionuclide Production Cross Section

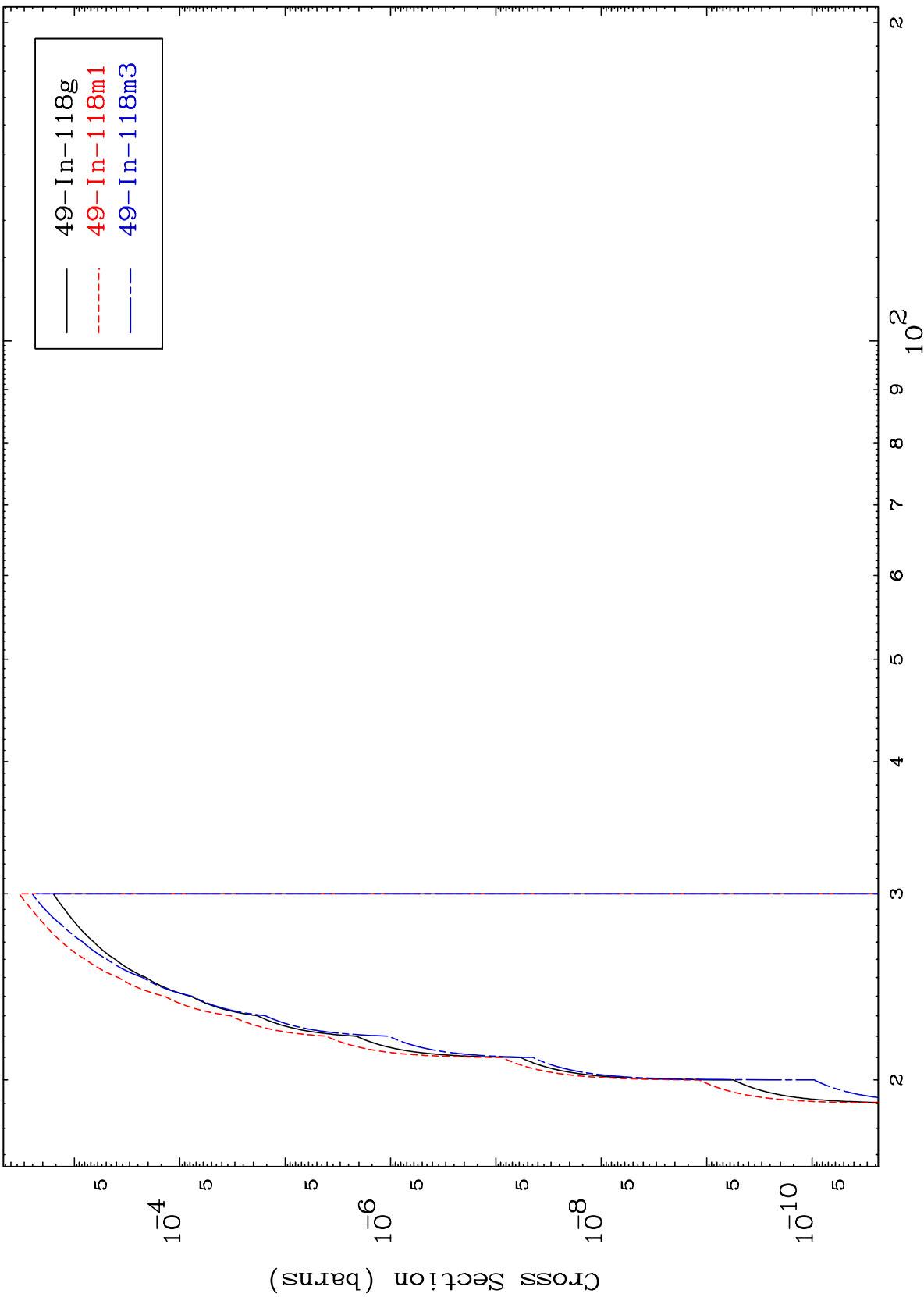


131

Incident Energy (MeV)

50-Sn-120

Radionuclide Production Cross Section

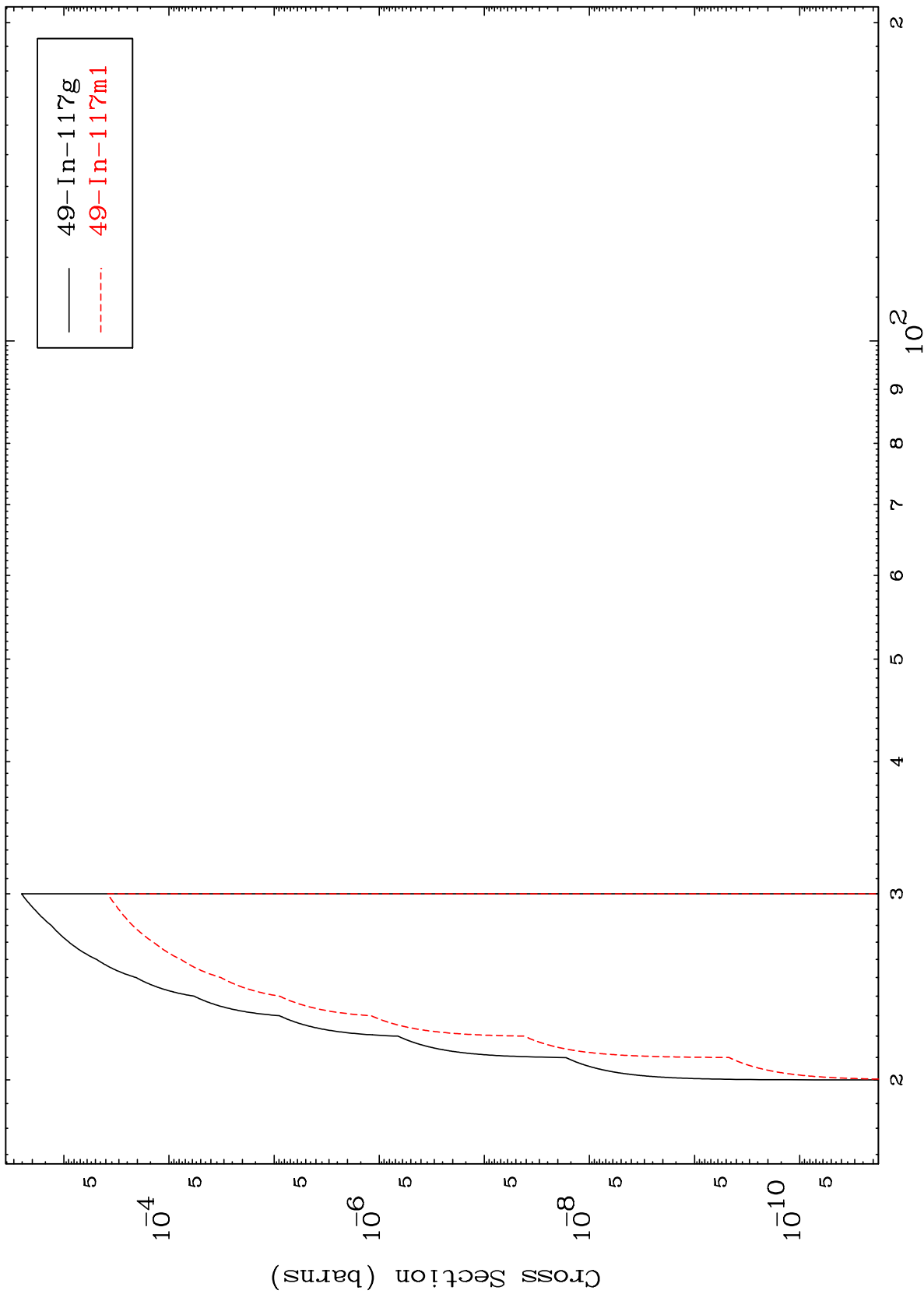


MAT 5049

(n,n') t

50-Sn-120

Radionuclide Production Cross Section



133

Incident Energy (MeV)

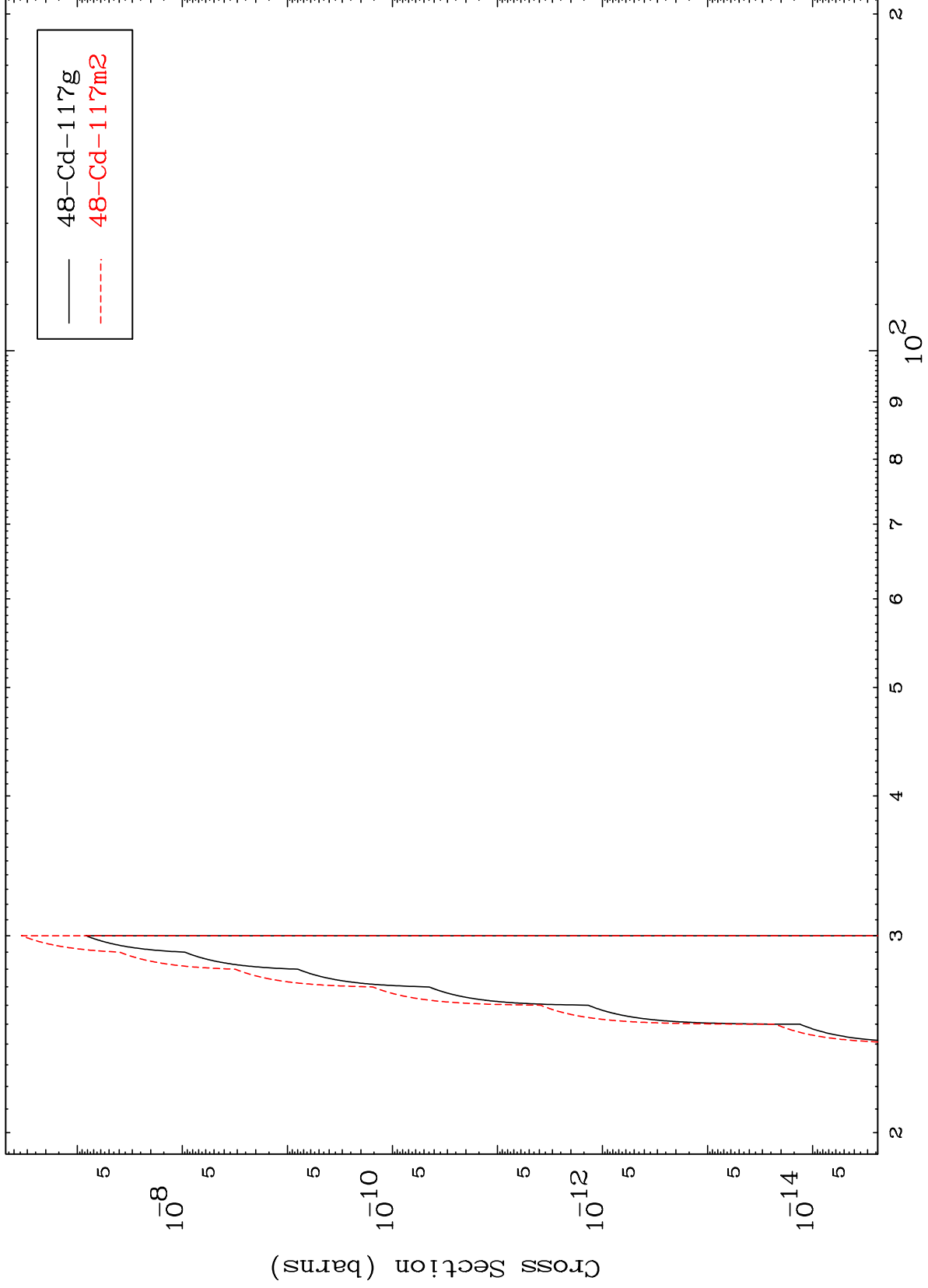
50-Sn-120

MAT 5049

(n,n') He-3

50-Sn-120

Radionuclide Production Cross Section



134

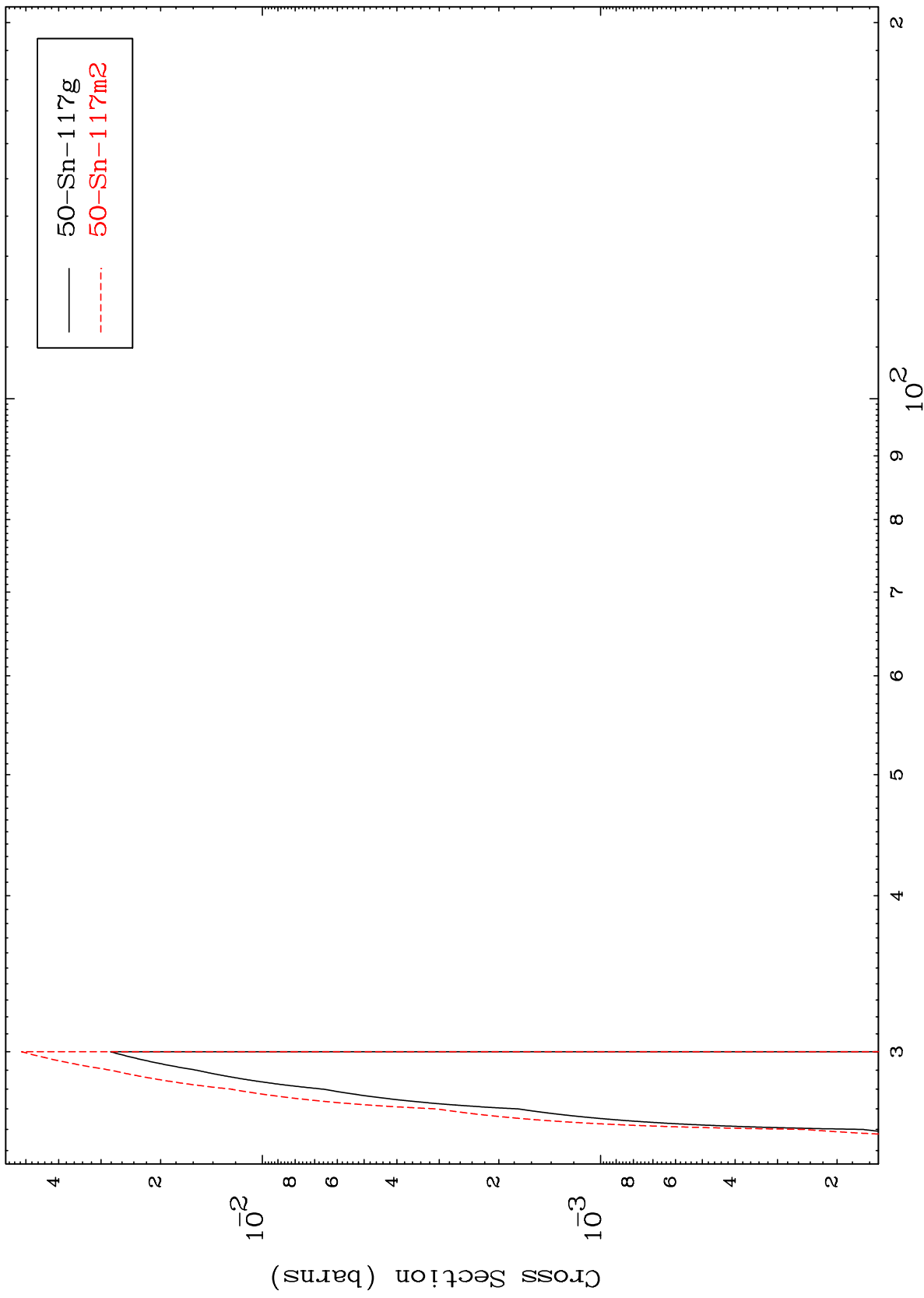
Incident Energy (MeV)

50-Sn-120

MAT 5049

50-Sn-120

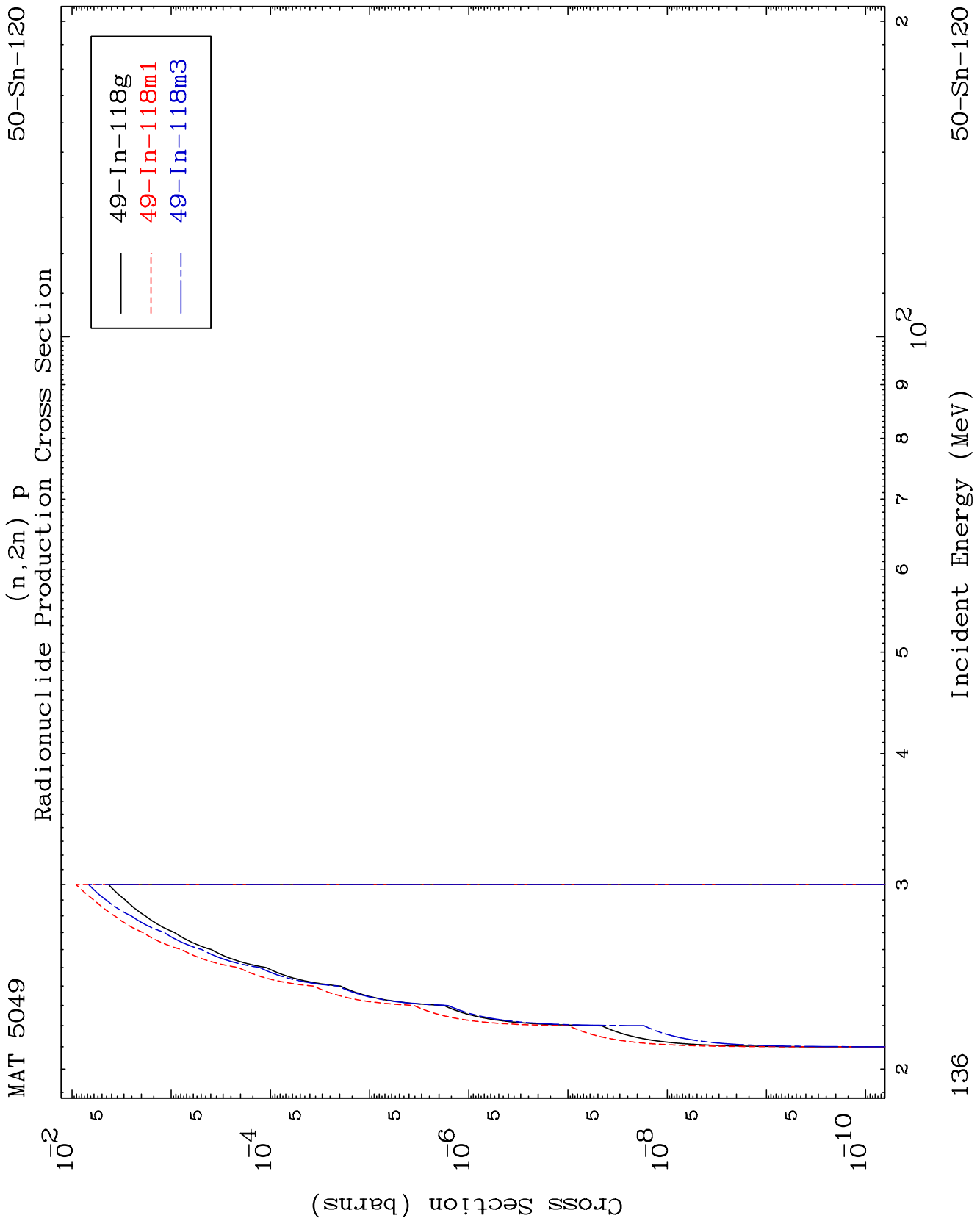
(n,4n)
Radionuclide Production Cross Section



135

50-Sn-120

Incident Energy (MeV)

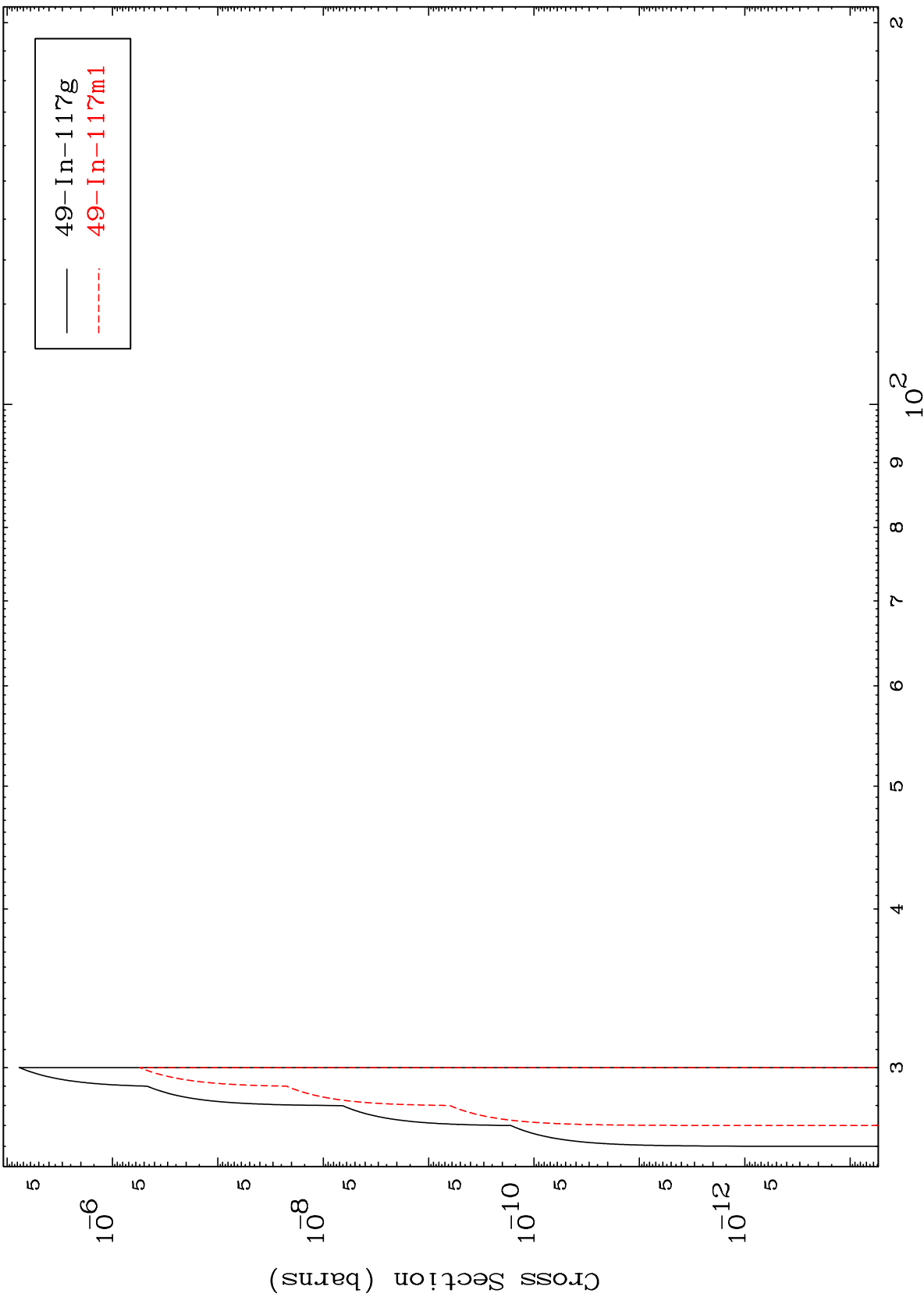


MAT 5049

(n,3n) p

50-Sn-120

Radionuclide Production Cross Section



49-In-117g
49-In-117m1

137

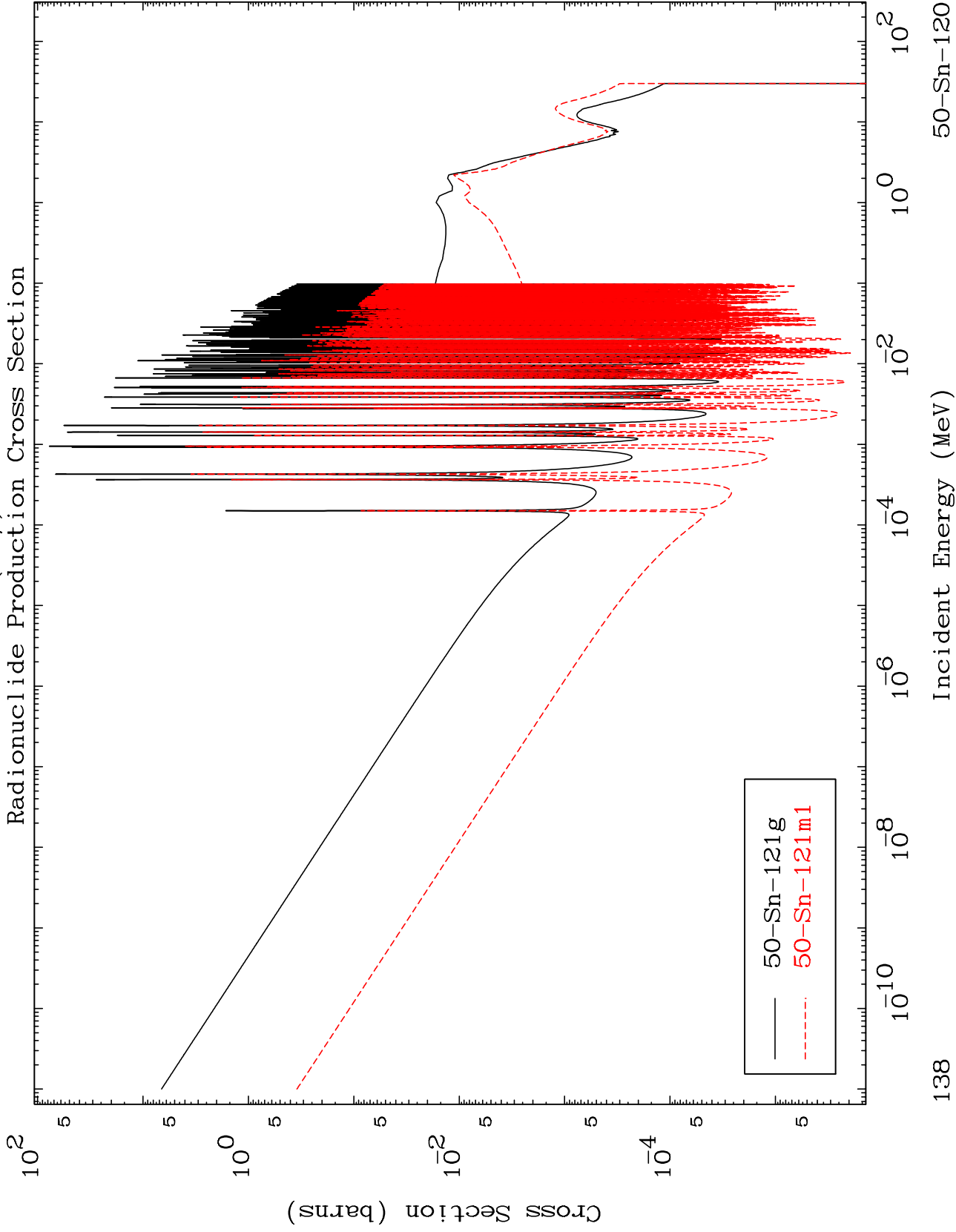
Incident Energy (MeV)

50-Sn-120

MAT 5049

50-Sn-120

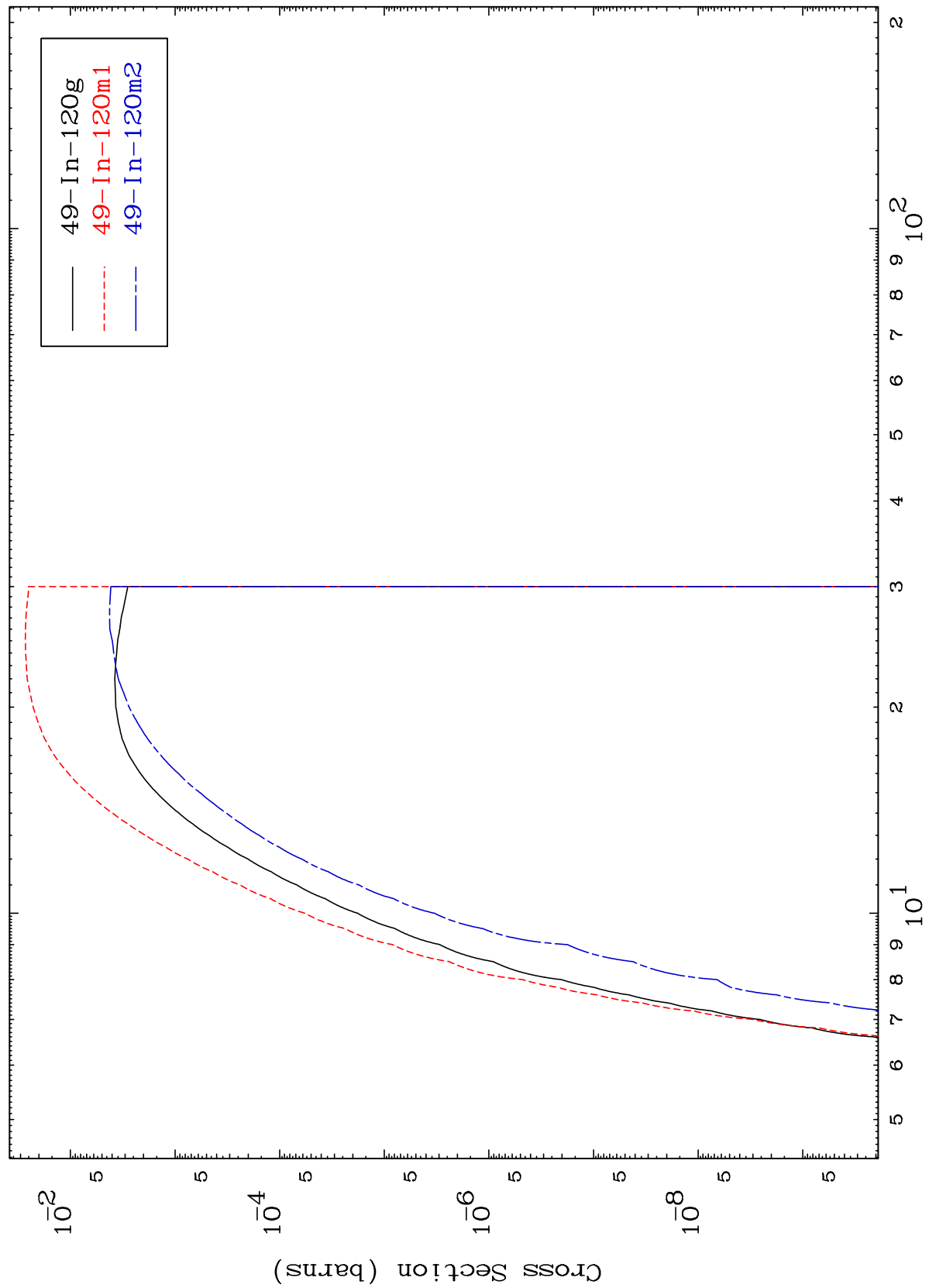
(n, γ)
Radionuclide Production Cross Section



MAT 5049

50-Sn-120

(n,p)
Radionuclide Production Cross Section



139

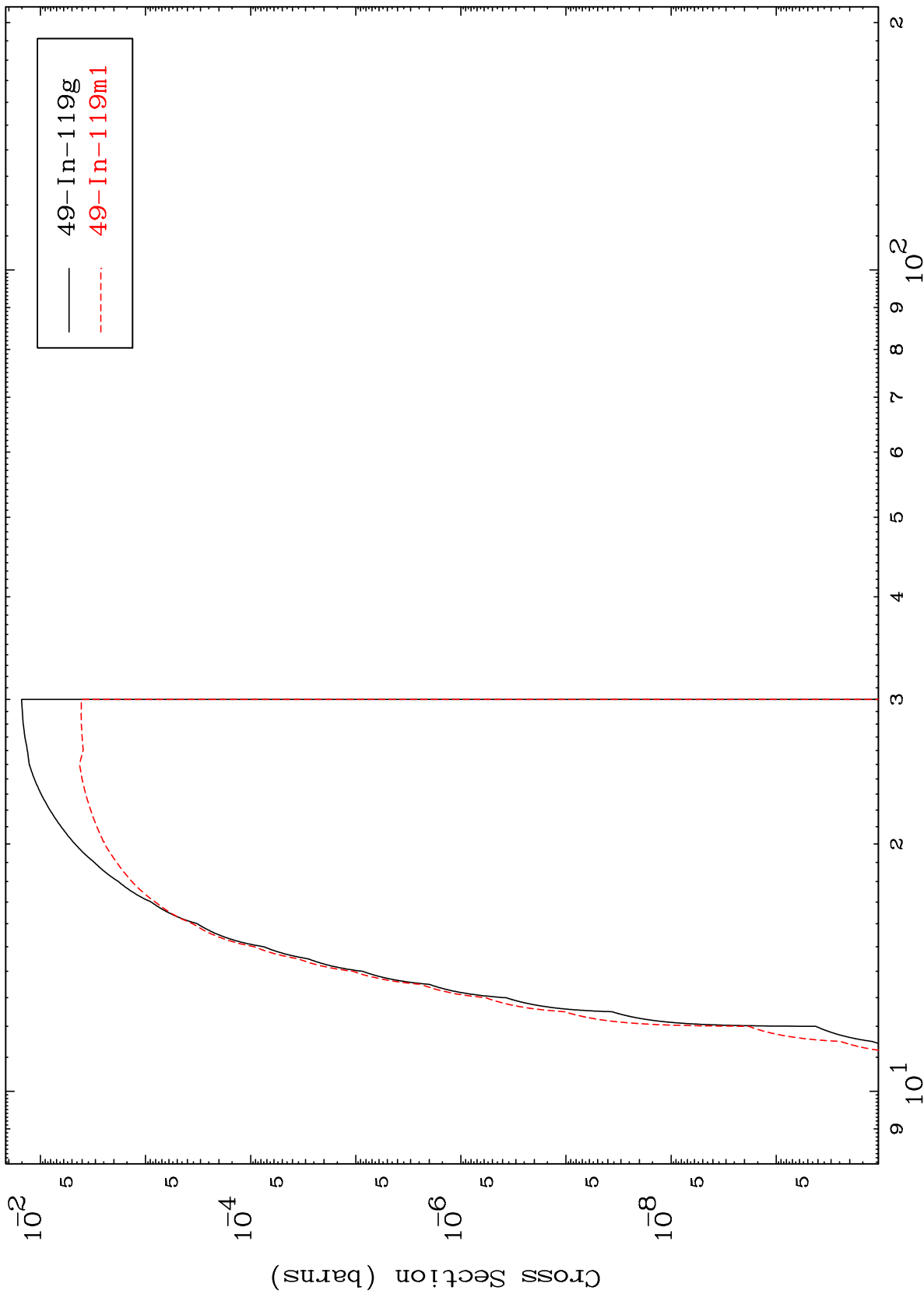
Incident Energy (MeV)

50-Sn-120

MAT 5049

50-Sn-120

(n,d)
Radionuclide Production Cross Section



50-Sn-120

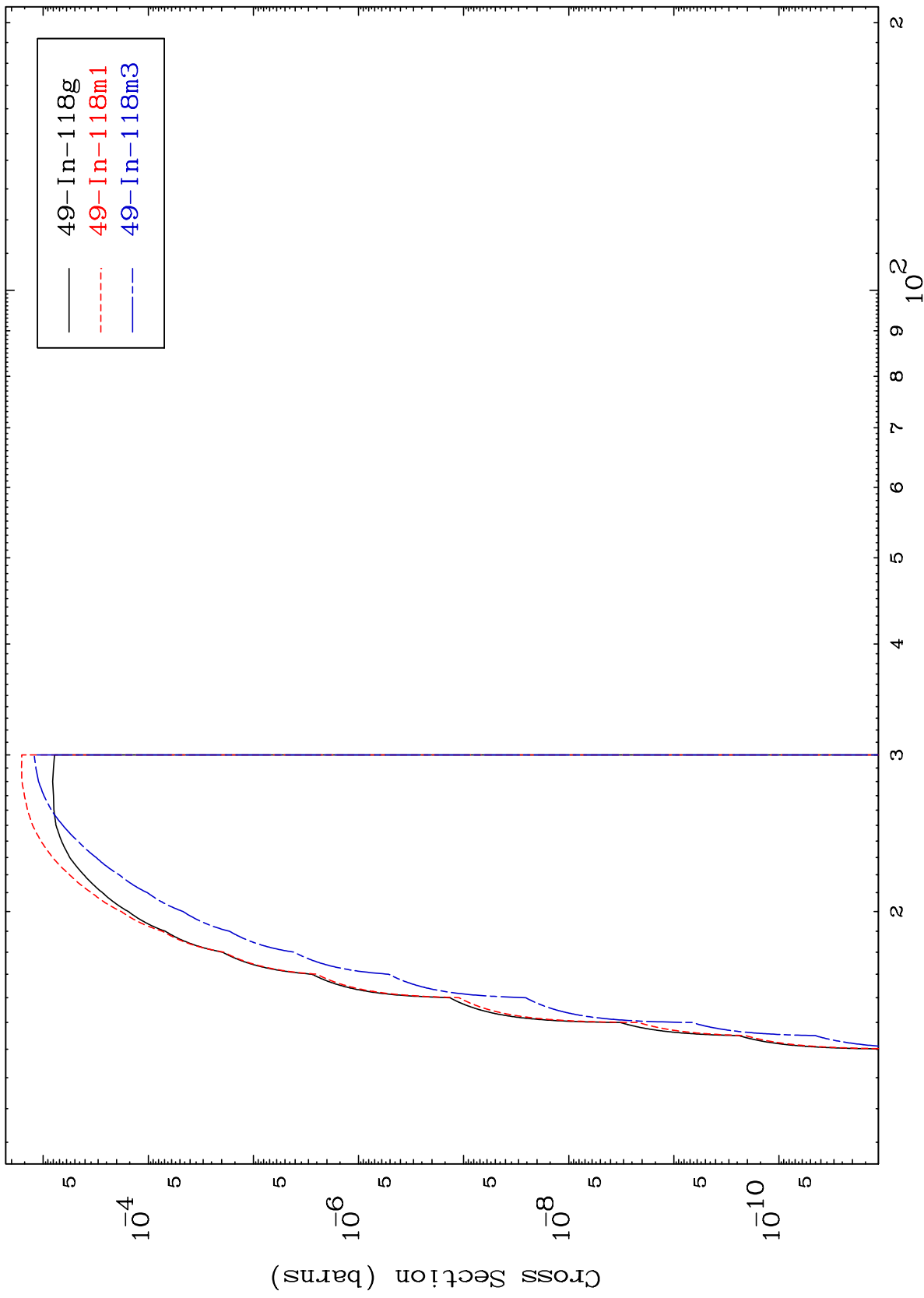
Incident Energy (MeV)

140

MAT 5049

50-Sn-120

(n,t)
Radionuclide Production Cross Section



141

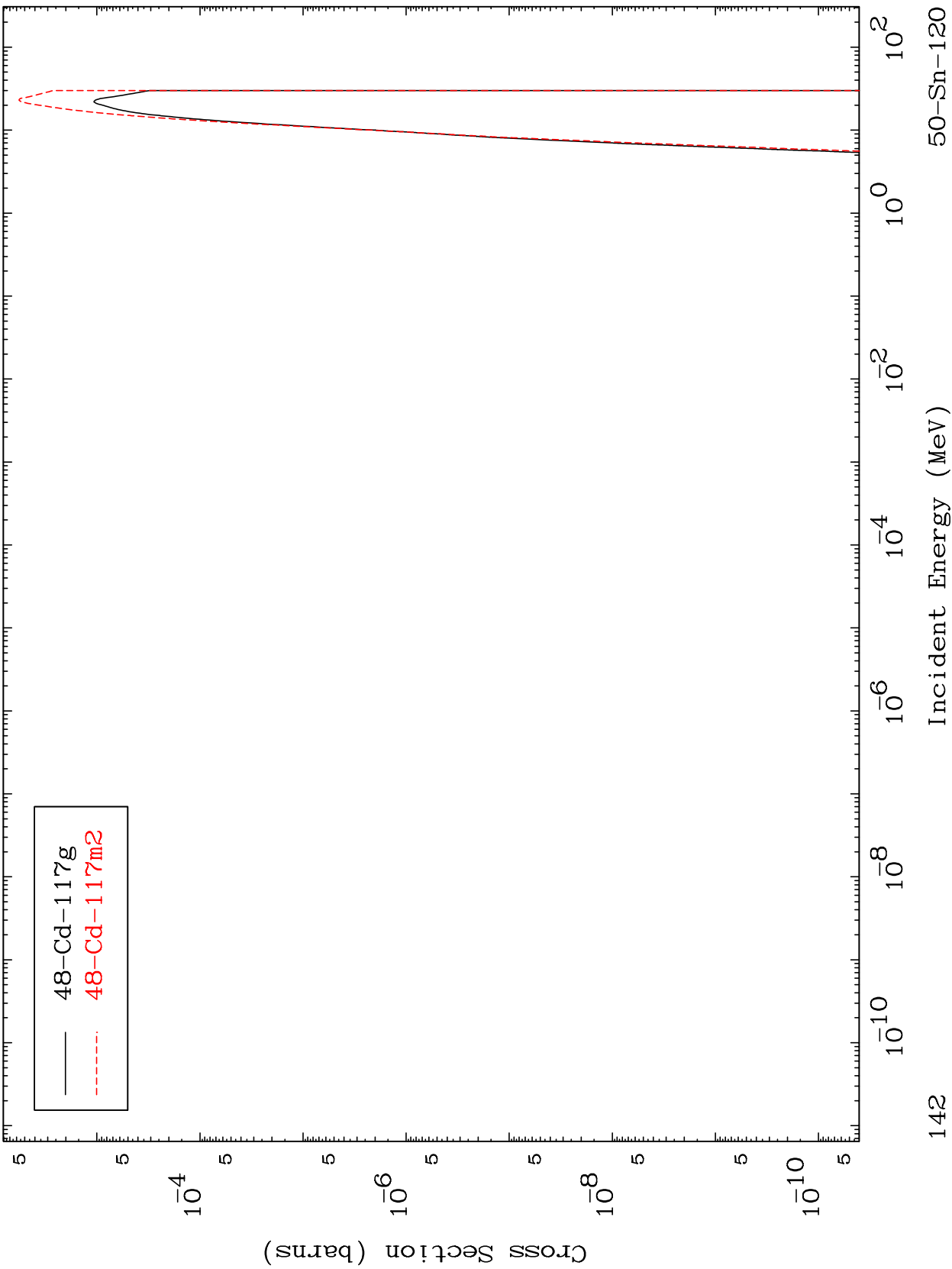
Incident Energy (MeV)

50-Sn-120

MAT 5049

50-Sn-120

Radionuclide Production Cross Section (n,α)

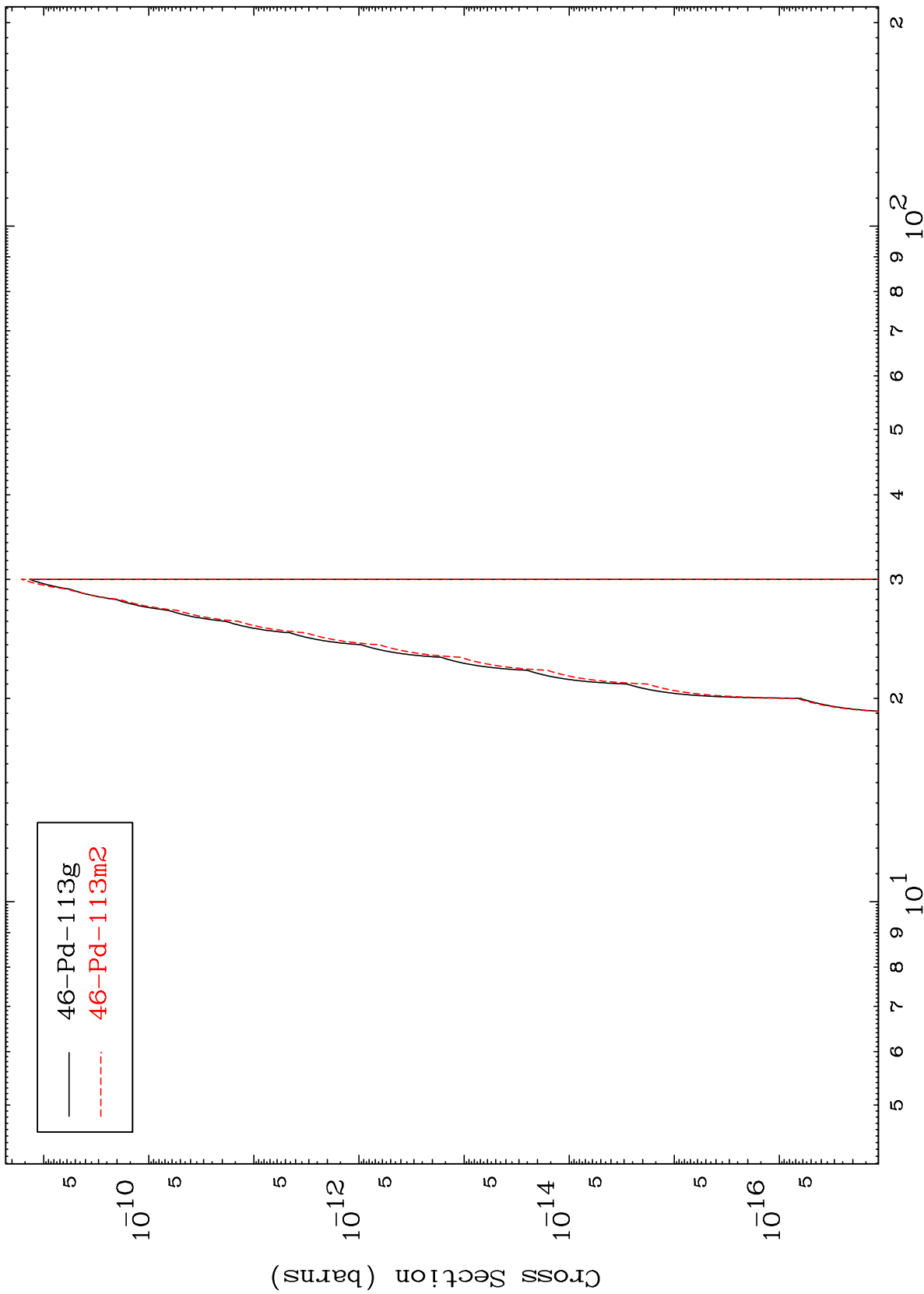


48-Cd-117g
48-Cd-117m2

MAT 5049

50-Sn-120

Radionuclide Production Cross Section
(n,2α)



50-Sn-120

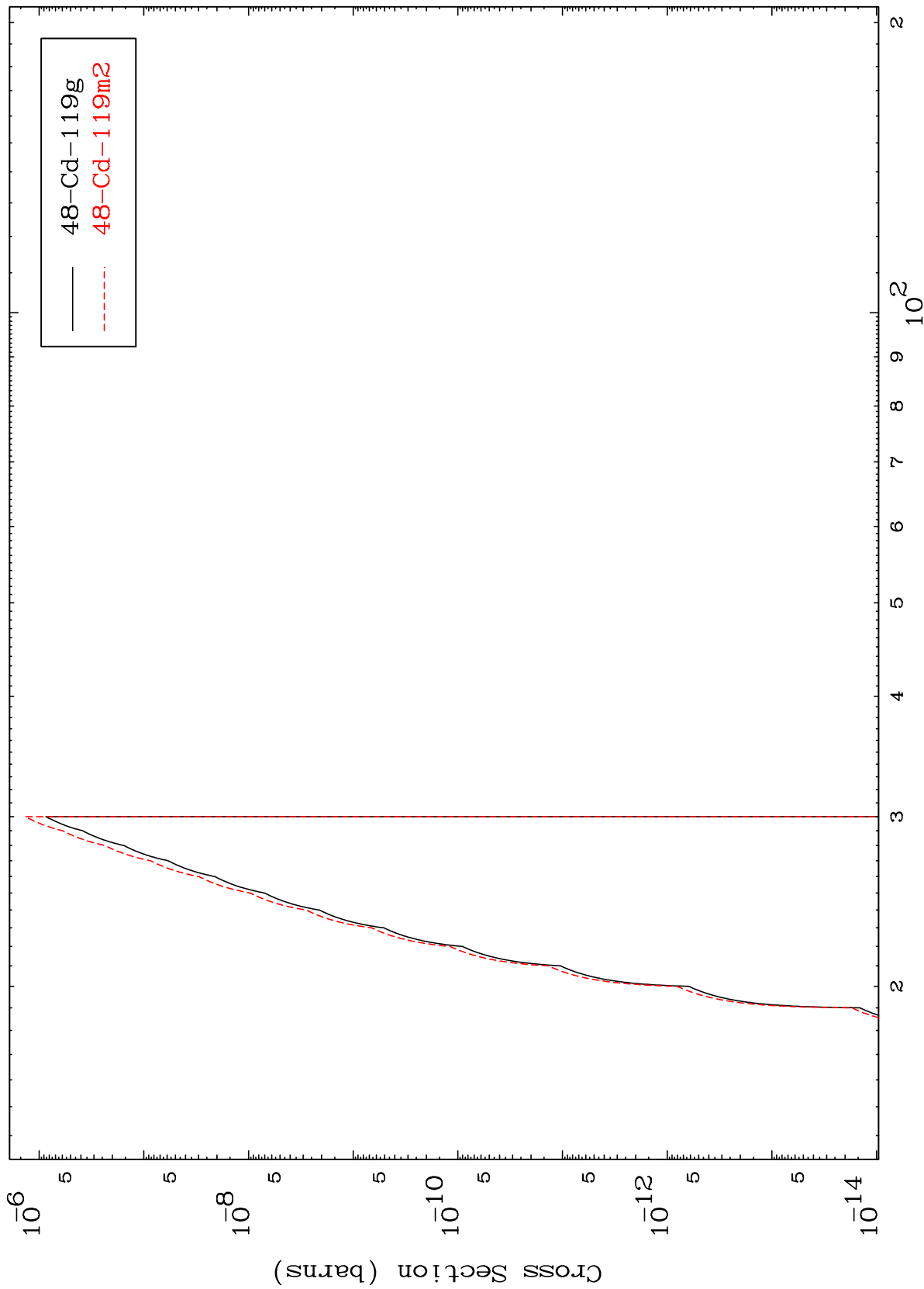
Incident Energy (MeV)

143

MAT 5049

50-Sn-120

(n,2p)
Radionuclide Production Cross Section



50-Sn-120

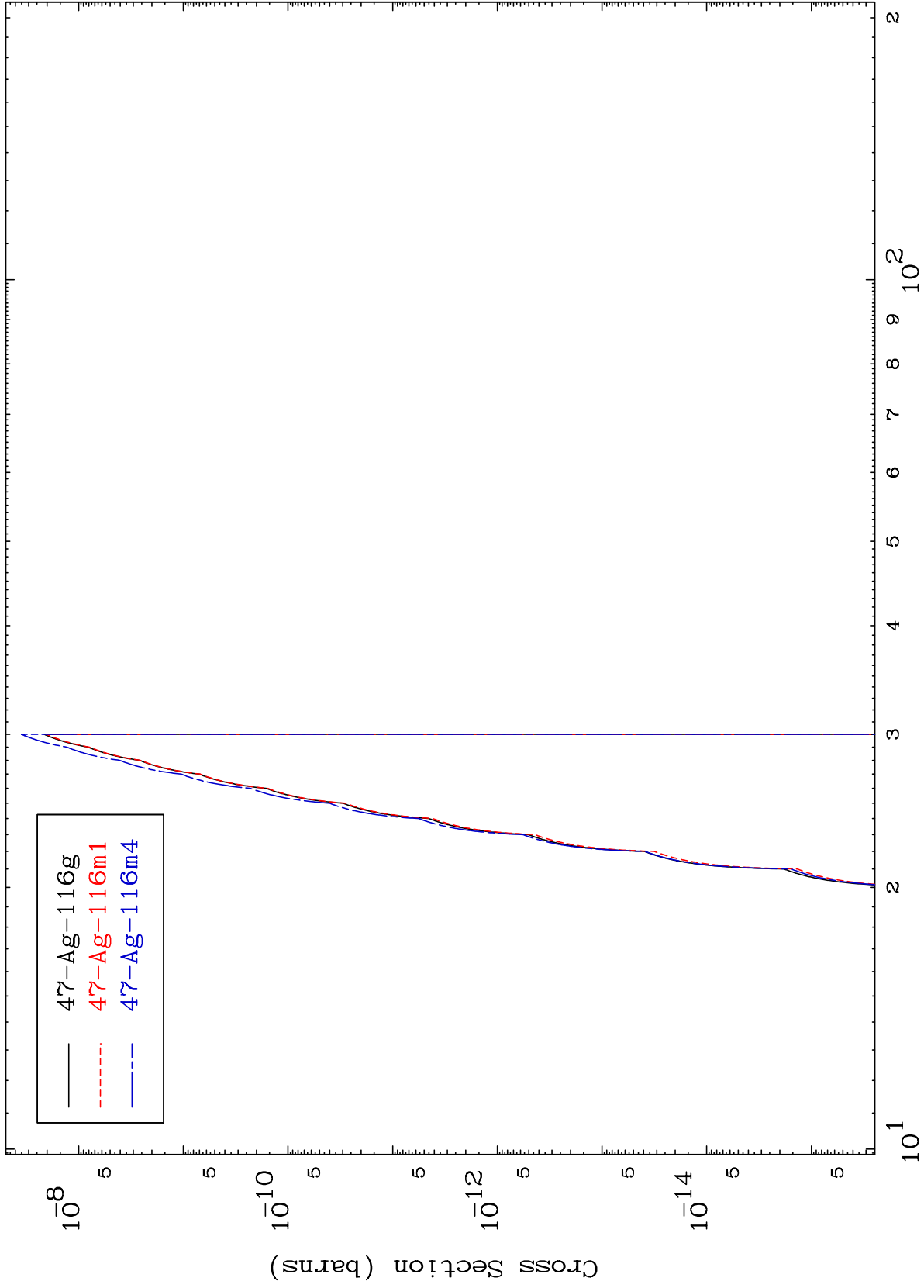
Incident Energy (MeV)

144

MAT 5049

50-Sn-120

(n,p) α
Radionuclide Production Cross Section



50-Sn-120

Incident Energy (MeV)

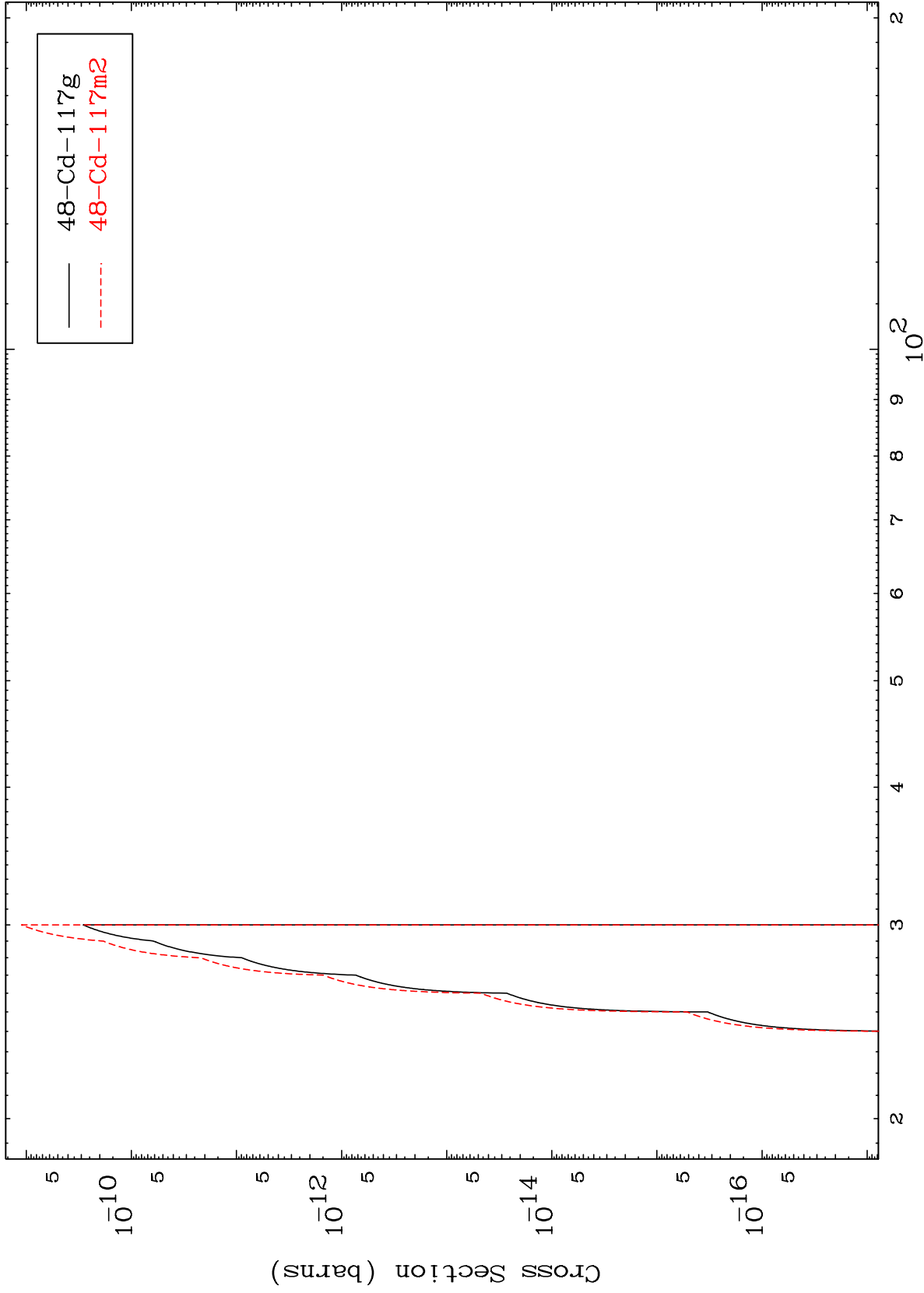
145

MAT 5049

(n,p) t

50-Sn-120

Radionuclide Production Cross Section



146

Incident Energy (MeV)

50-Sn-120