

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

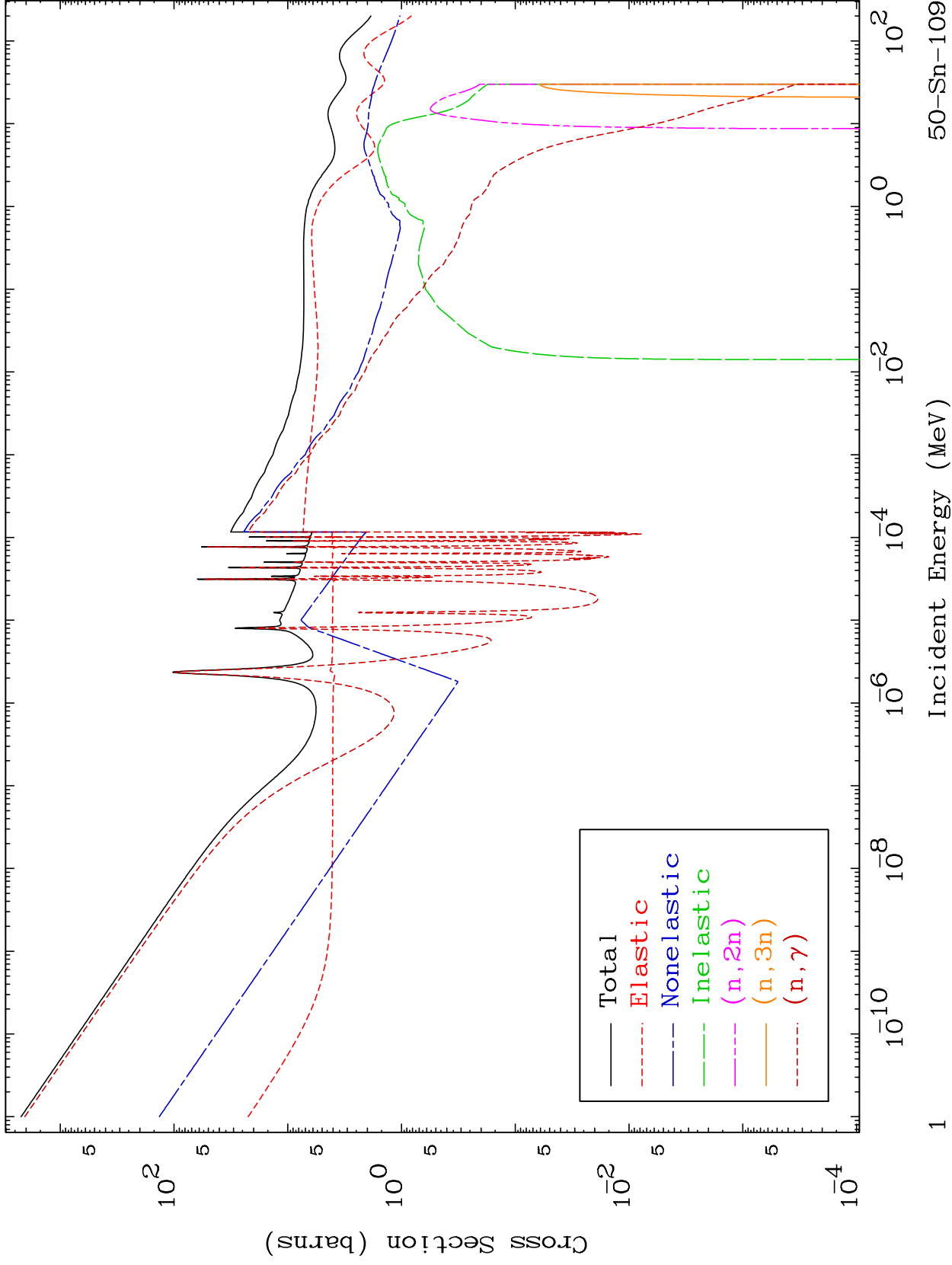
Web:redcullen1.net/HOMEPAGE.NEW

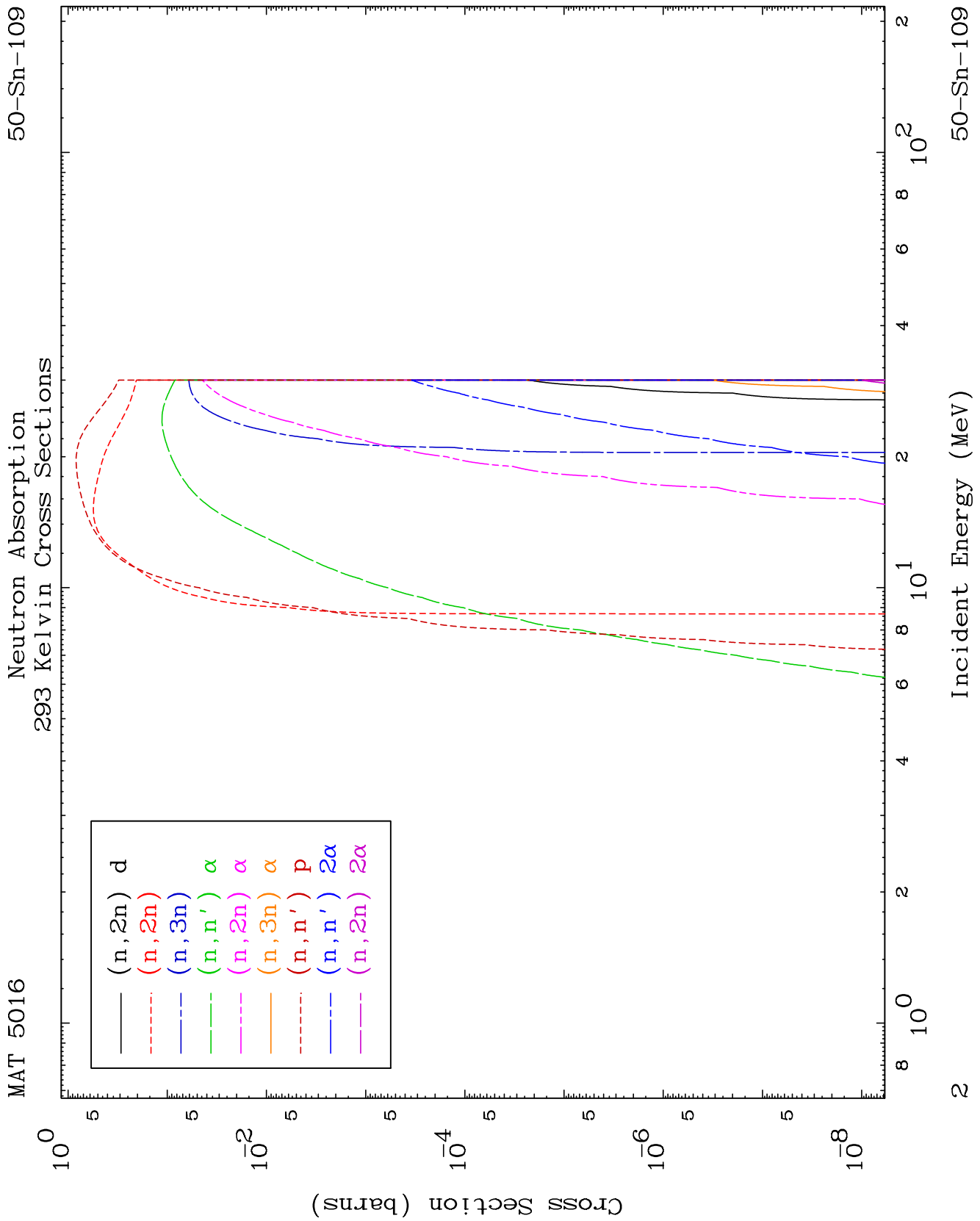
Press Mouse Button to Start

MAT 5016

Neutron Major
293 Kelvin Cross Sections

50-Sn-109





MAT 5016

50-Sn-109

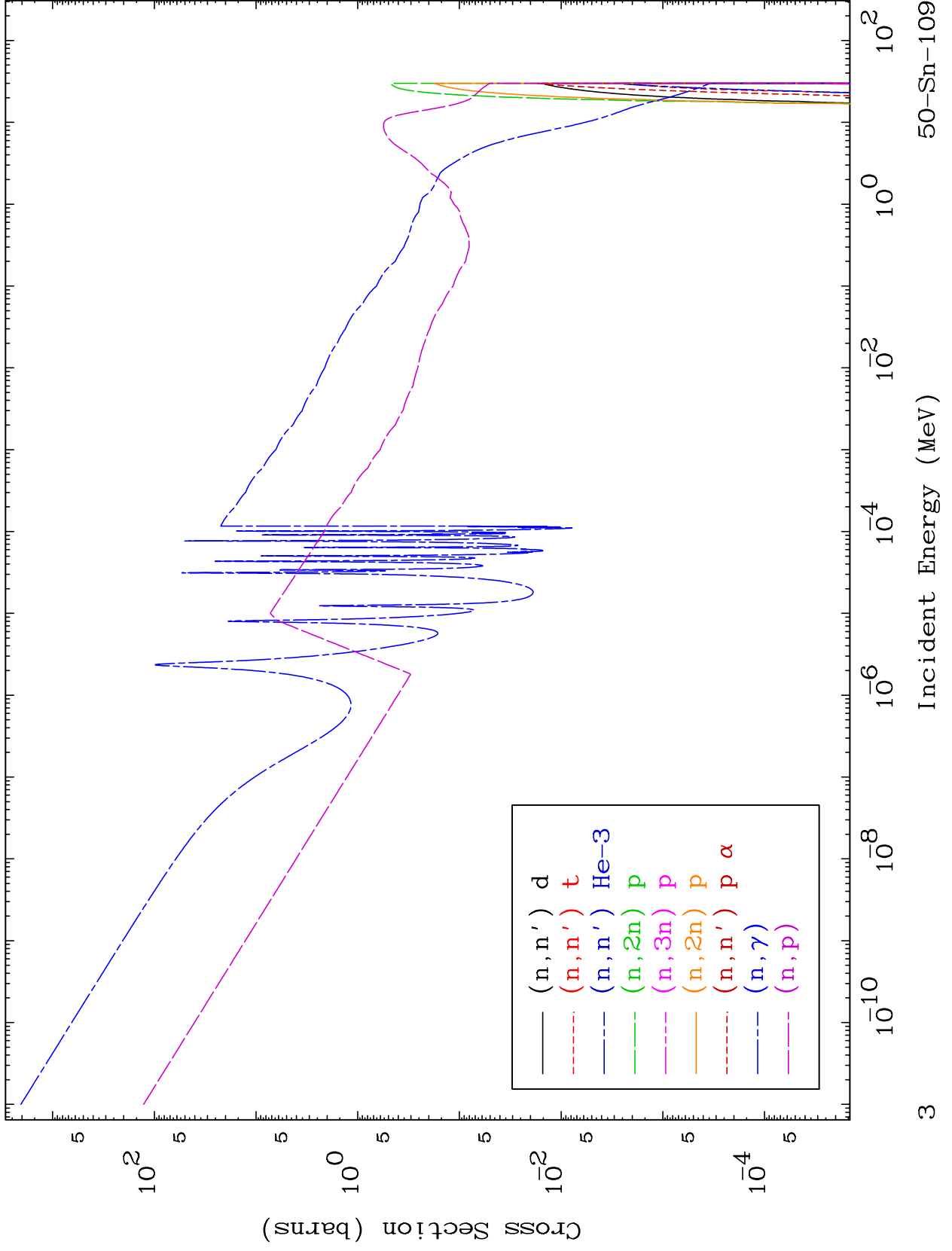
2

50-Sn-109

MAT 5016

Neutron Absorption
293 Kelvin Cross Sections

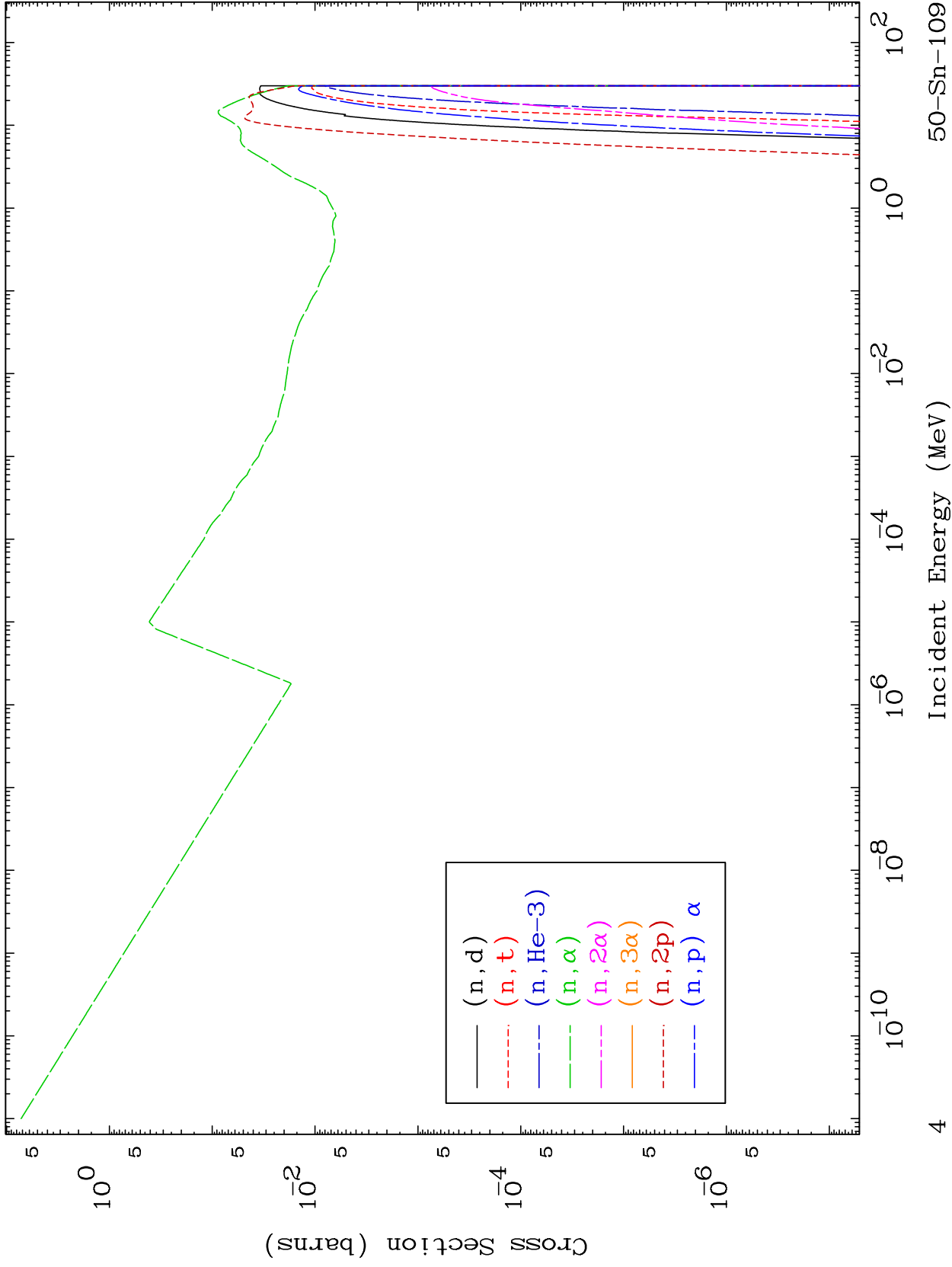
50-Sn-109



MAT 5016

Neutron Absorption
293 Kelvin Cross Sections

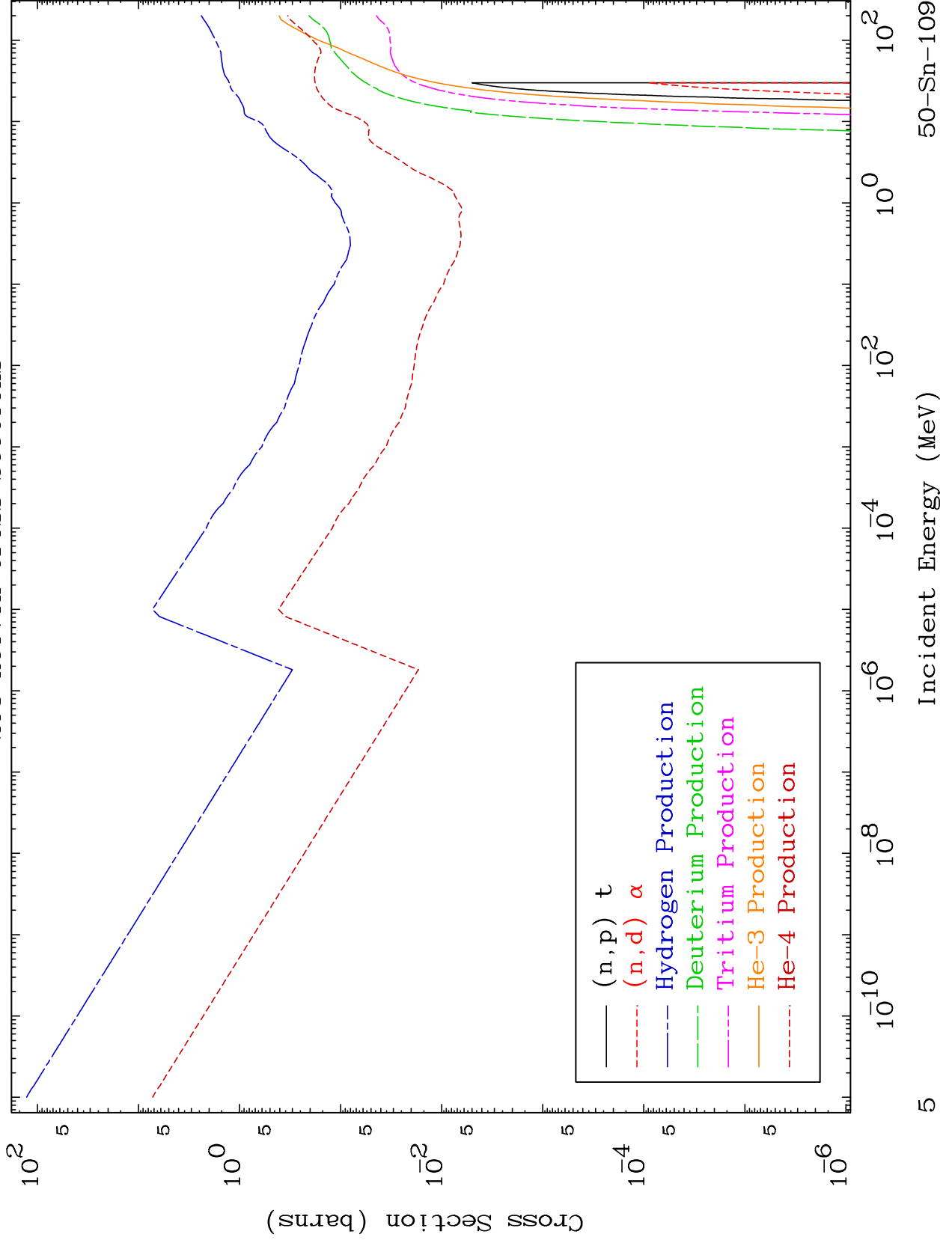
50-Sn-109

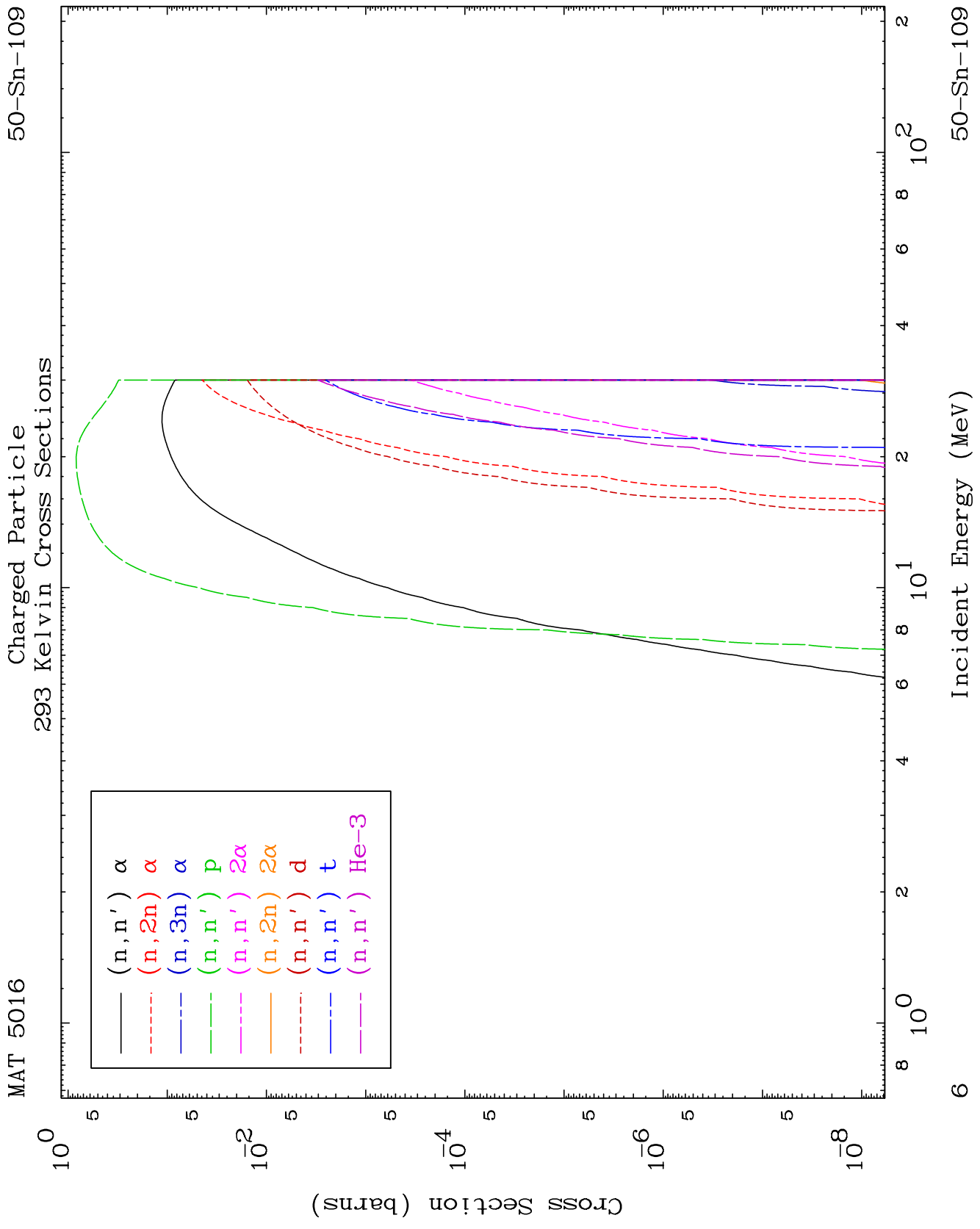


MAT 5016

Neutron Absorption
293 Kelvin Cross Sections

50-Sn-109

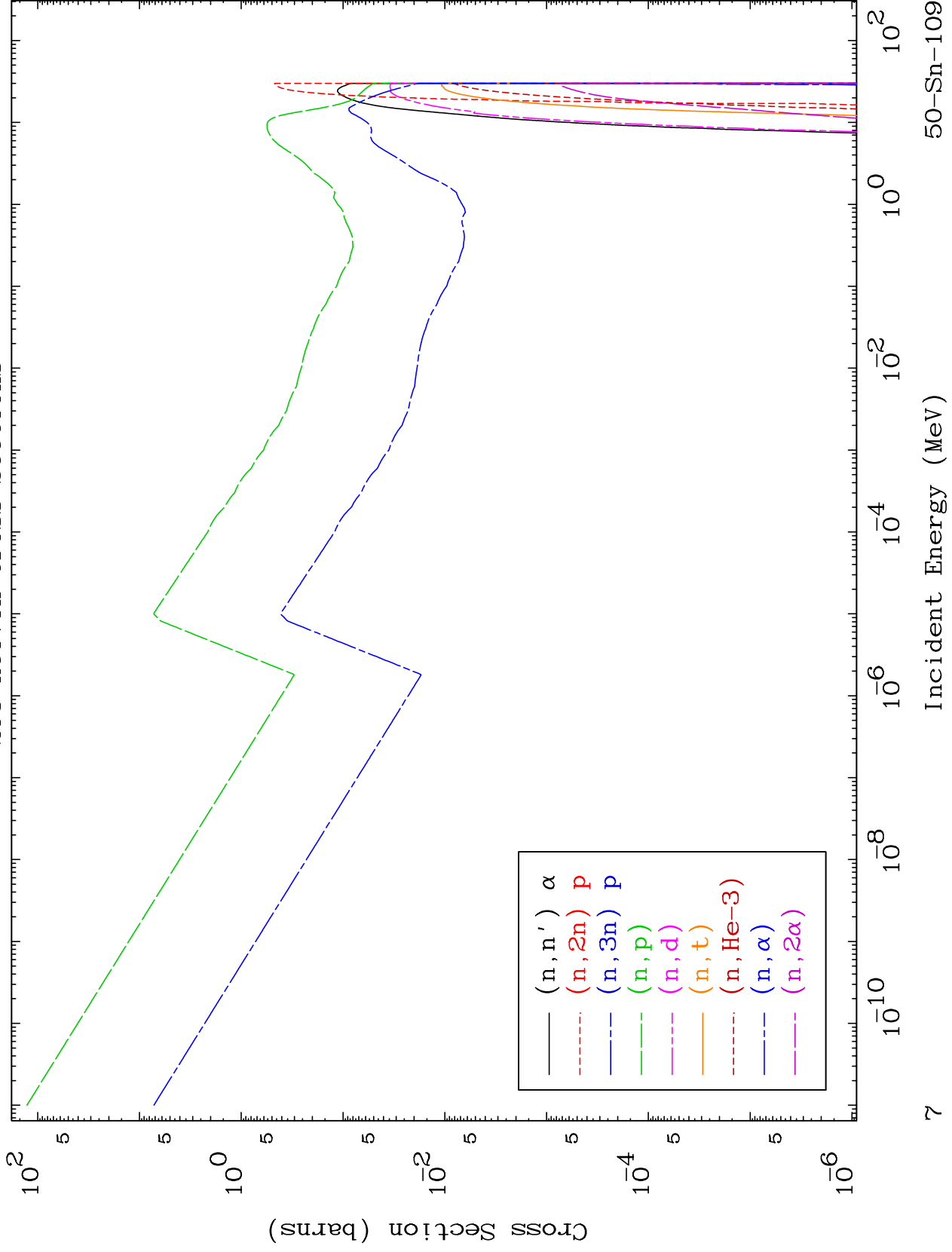




MAT 5016

Charged Particle
293 Kelvin Cross Sections

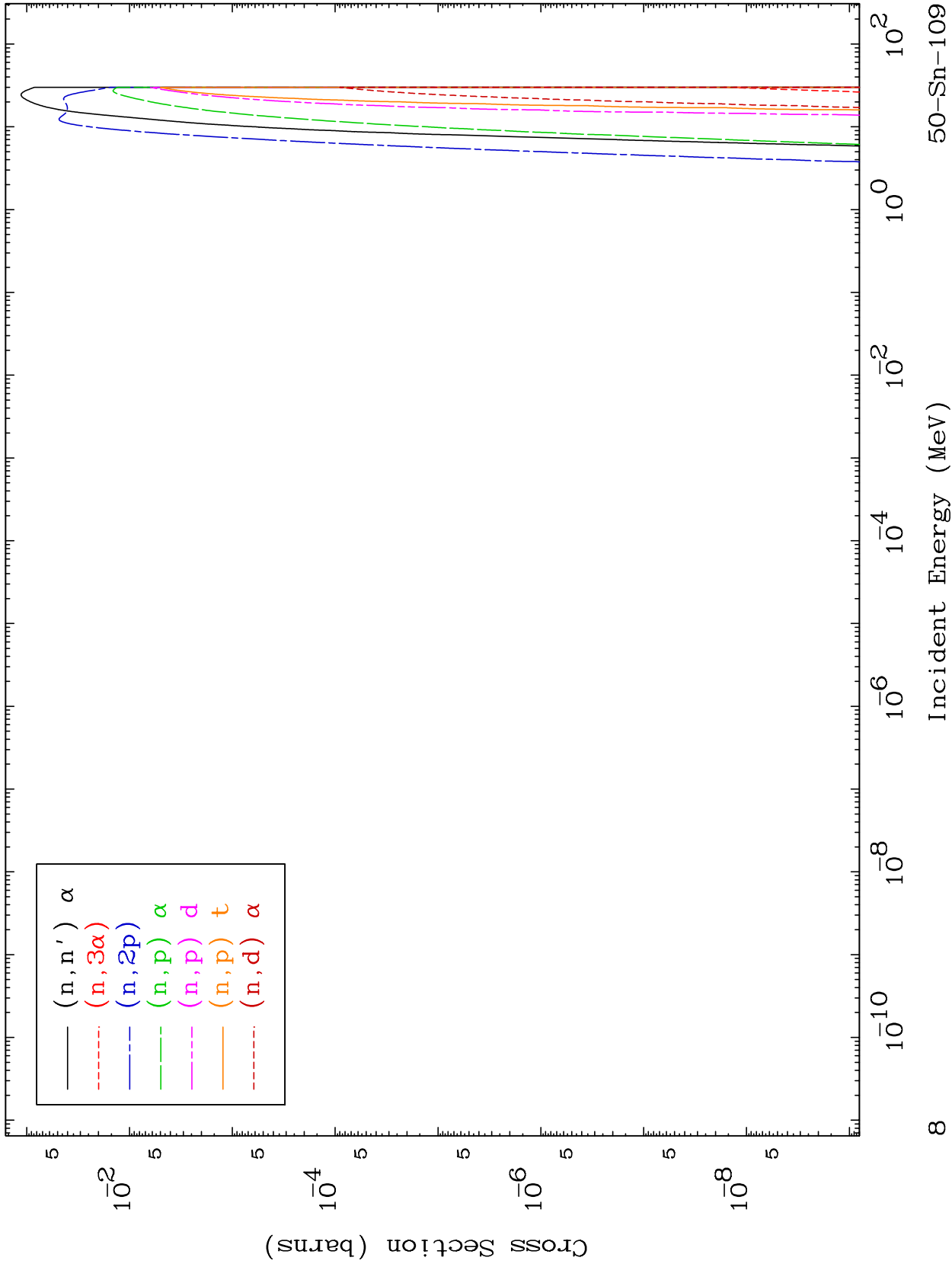
50-Sn-109



MAT 5016

Charged Particle
293 Kelvin Cross Sections

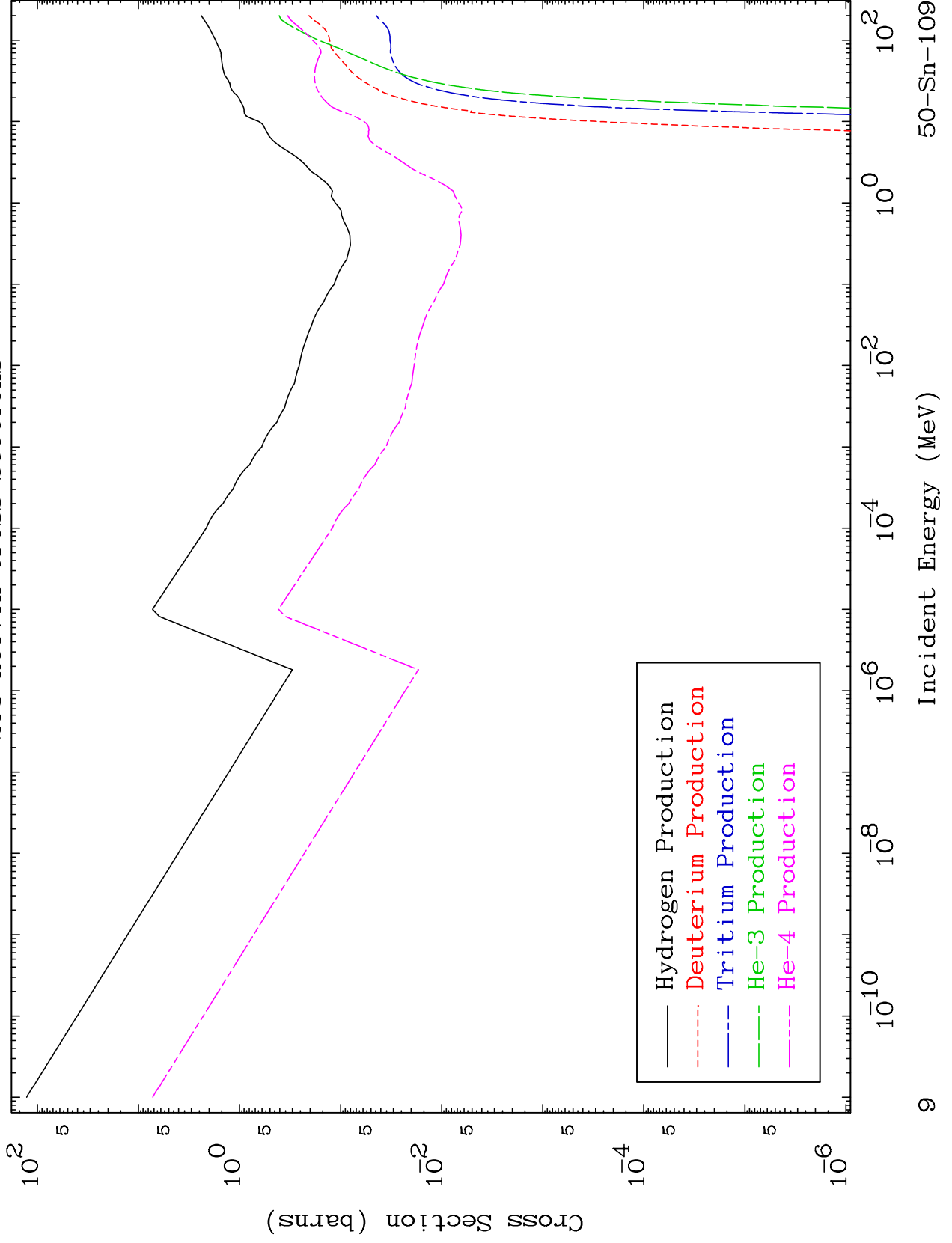
50-Sn-109



MAT 5016

Particle Production
293 Kelvin Cross Sections

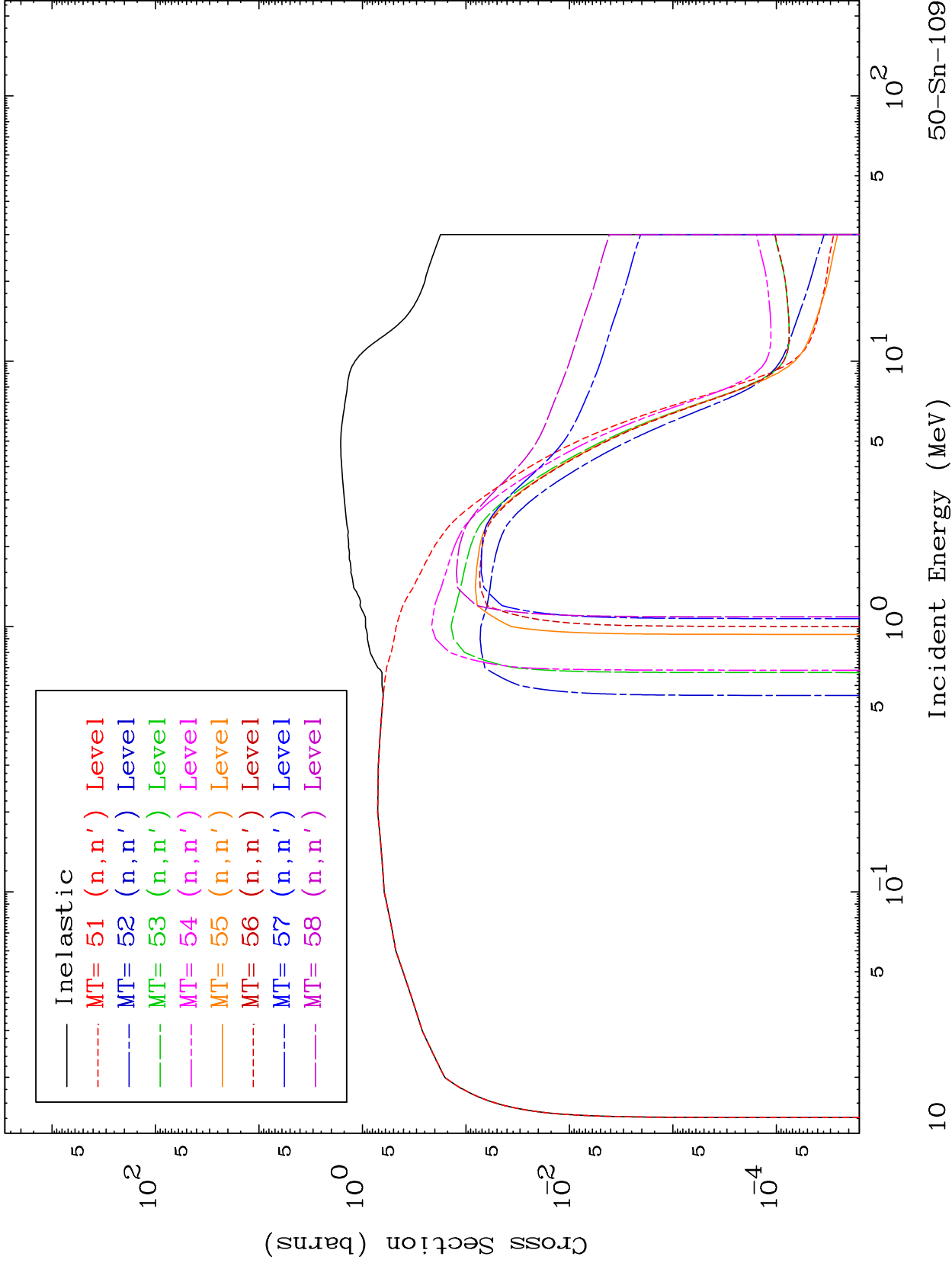
50-Sn-109



MAT 5016

293 (n,n') Levels
Kelvin Cross Sections

50-Sn-109



10

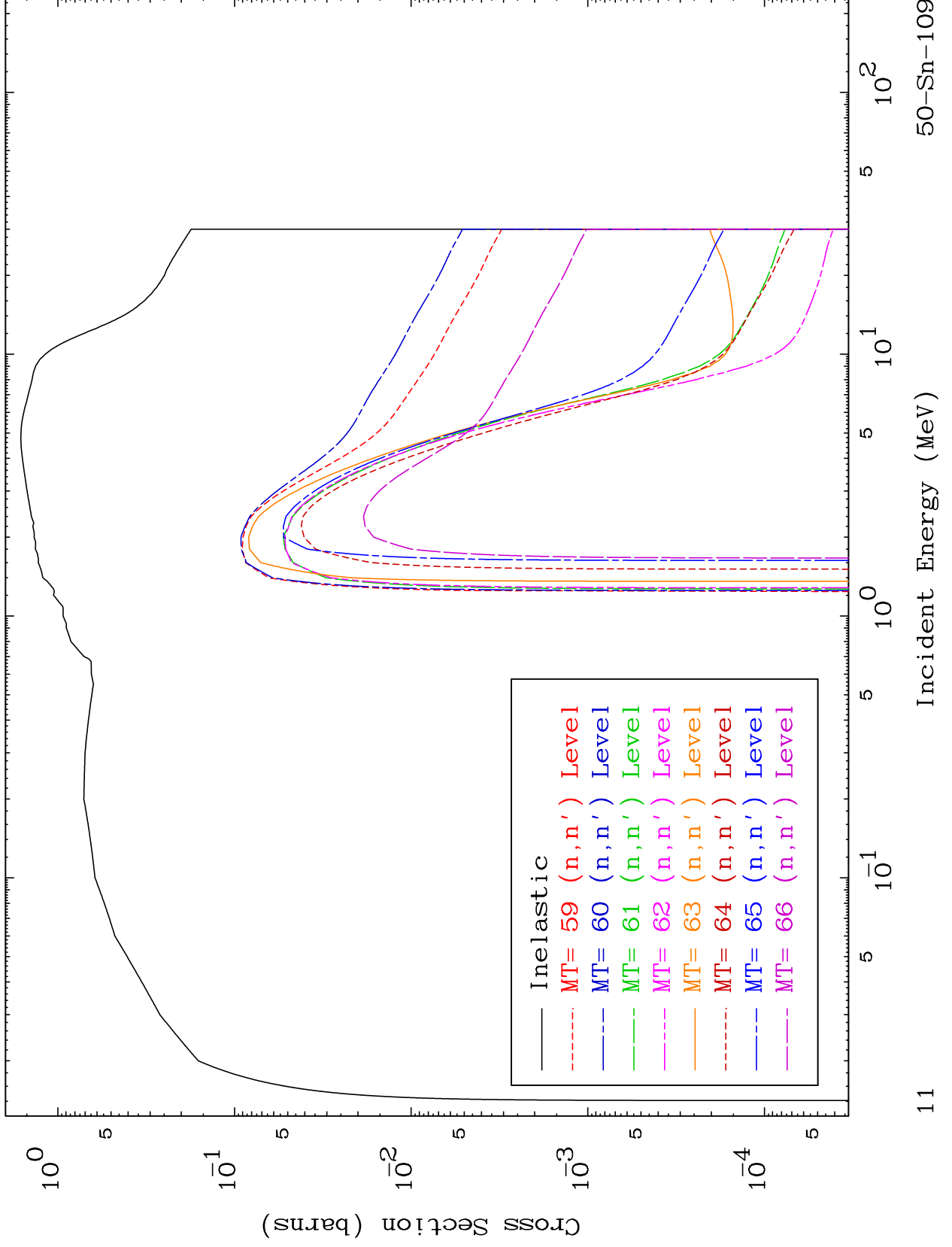
Incident Energy (MeV)

50-Sn-109

MAT 5016

(n,n') Levels
293 Kelvin Cross Sections

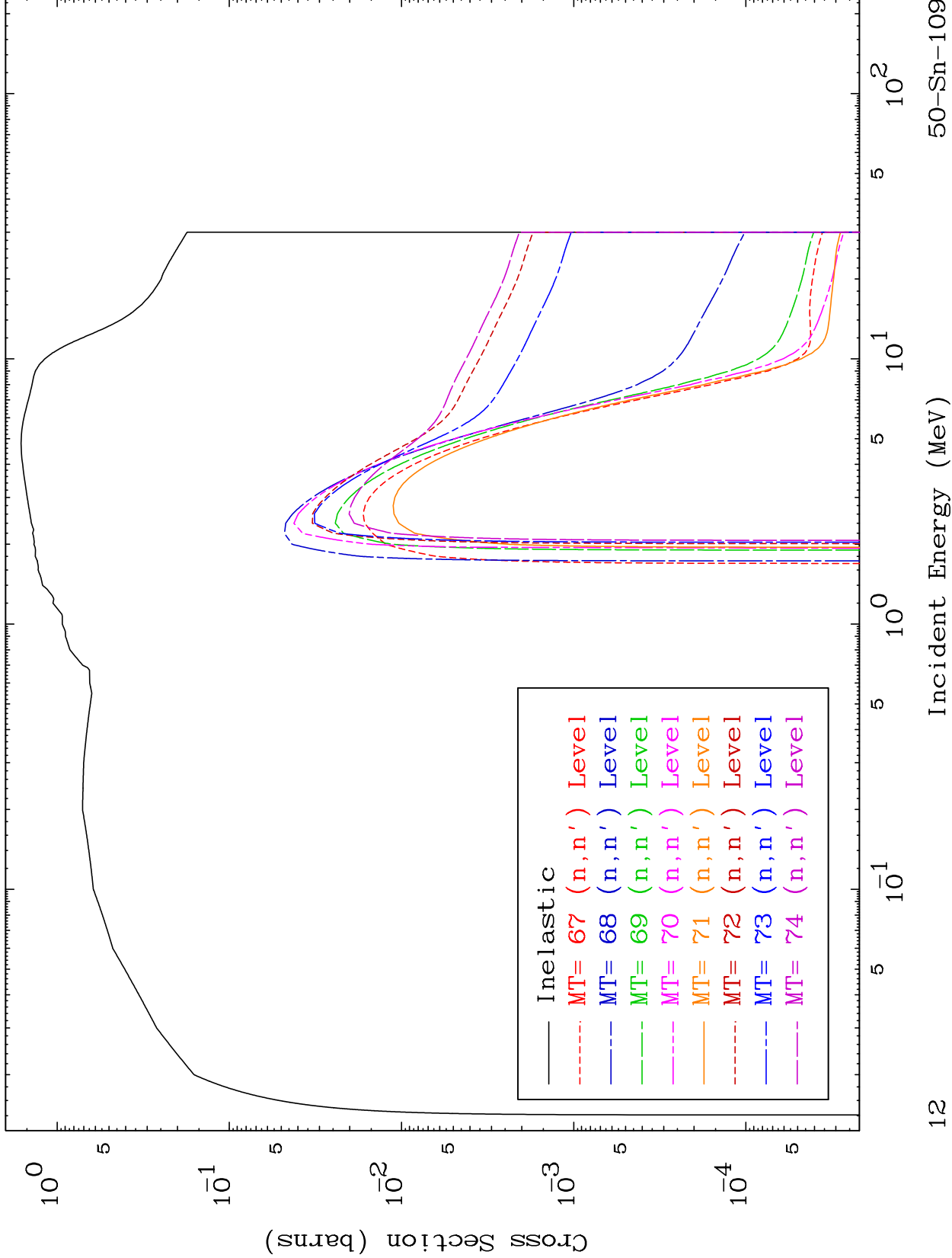
50-Sn-109



MAT 5016

(n,n') Levels
293 Kelvin Cross Sections

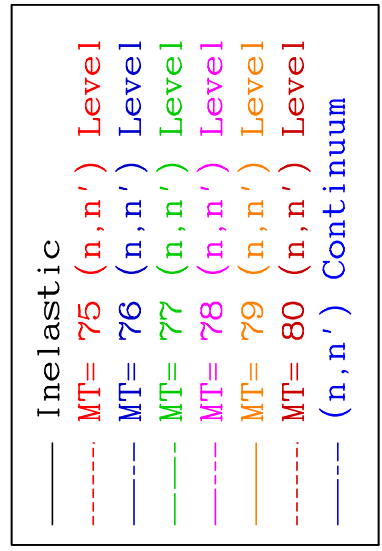
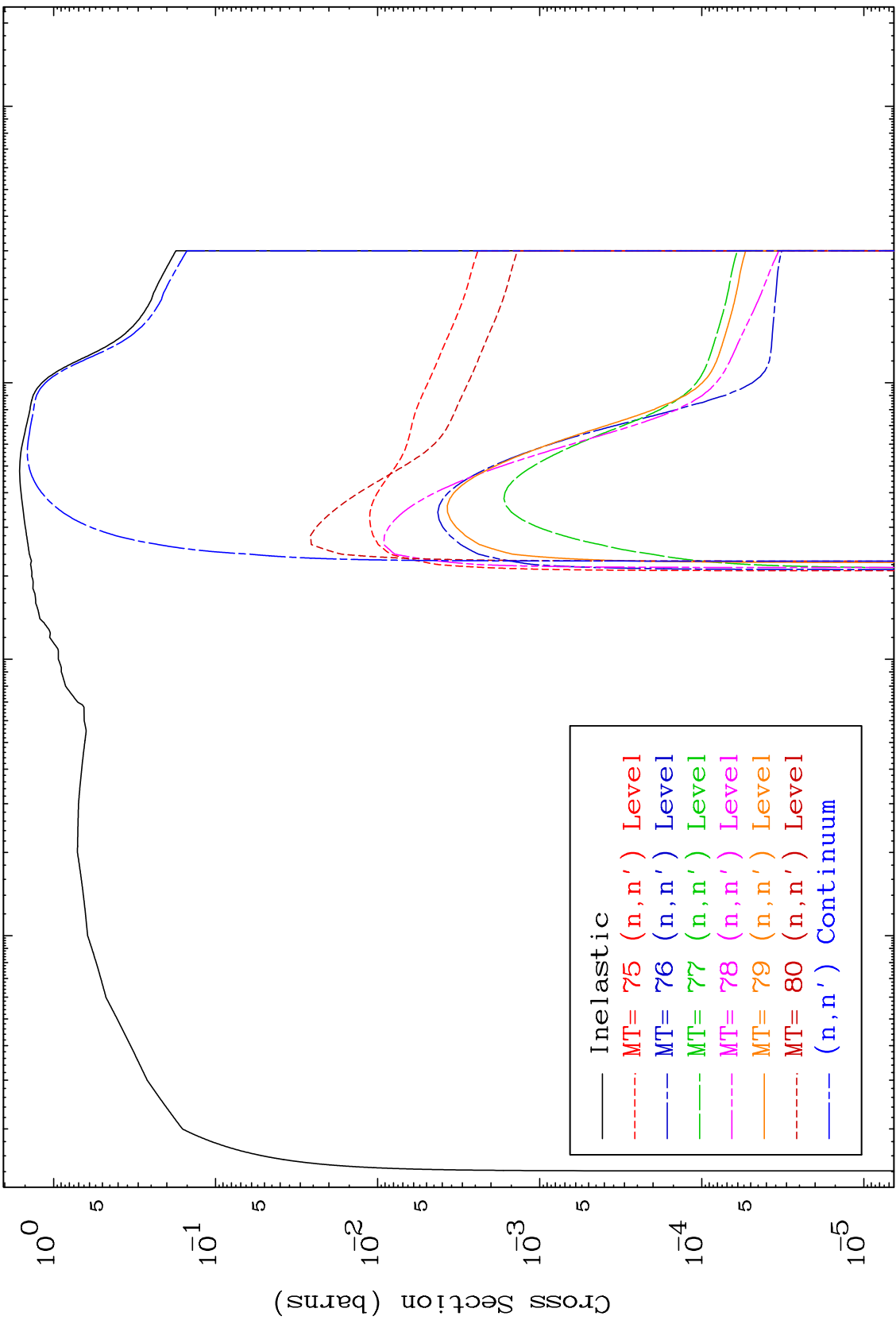
50-Sn-109



MAT 5016

50-Sn-109

293 Kelvin Cross Sections
(n,n') Levels



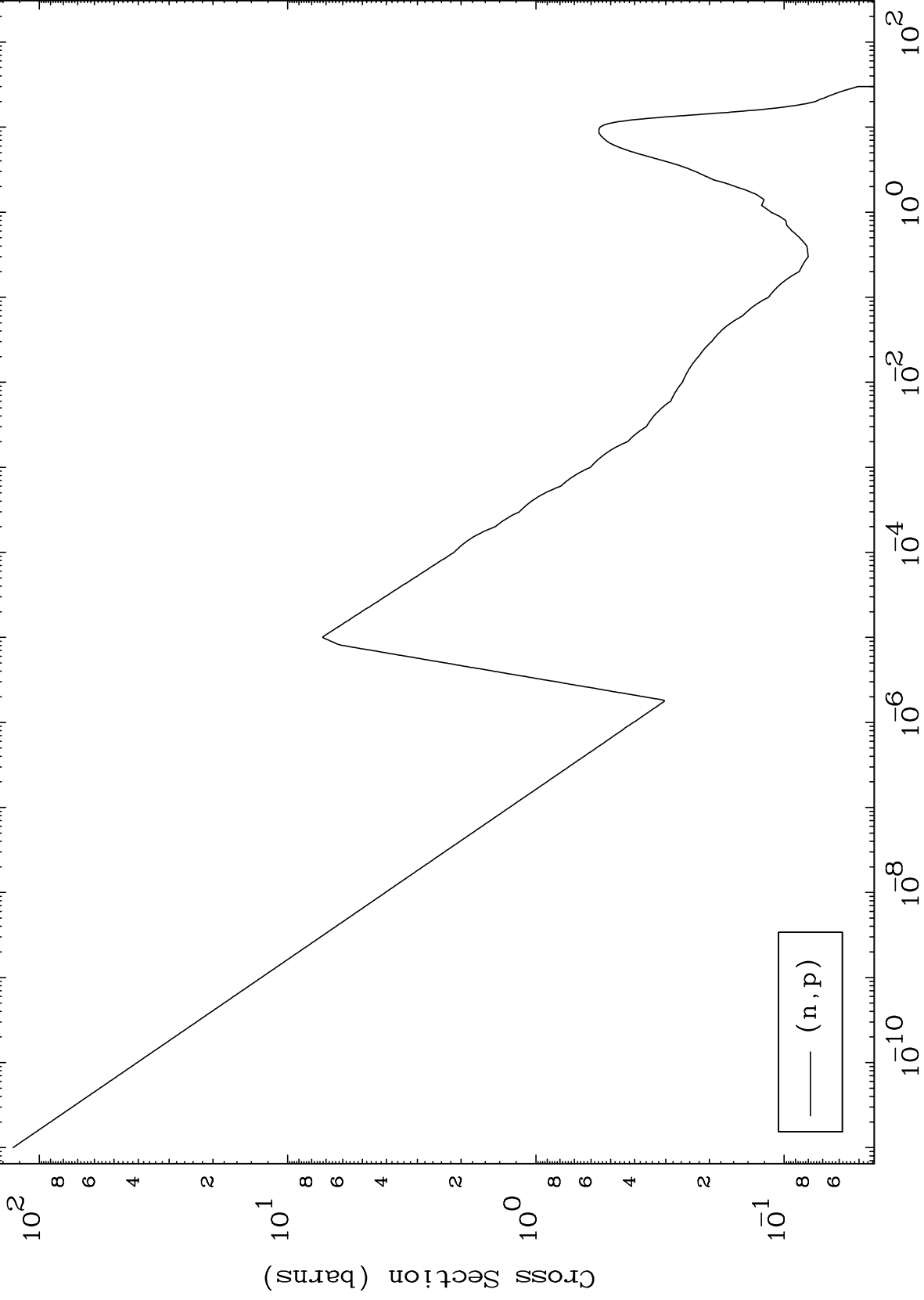
50-Sn-109

Incident Energy (MeV)

MAT 5016

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-109



14

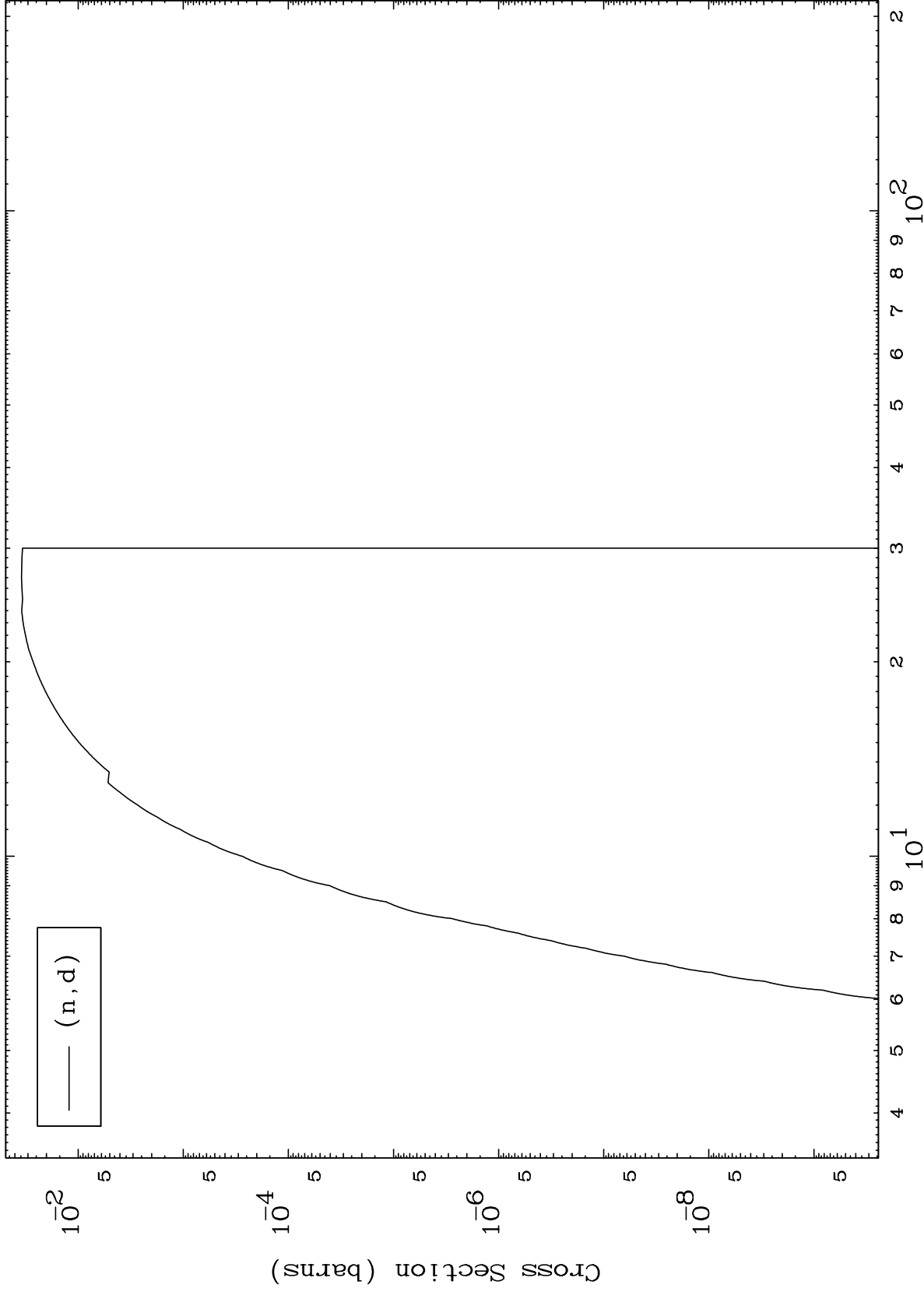
Incident Energy (MeV)

50-Sn-109

MAT 5016

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-109



15

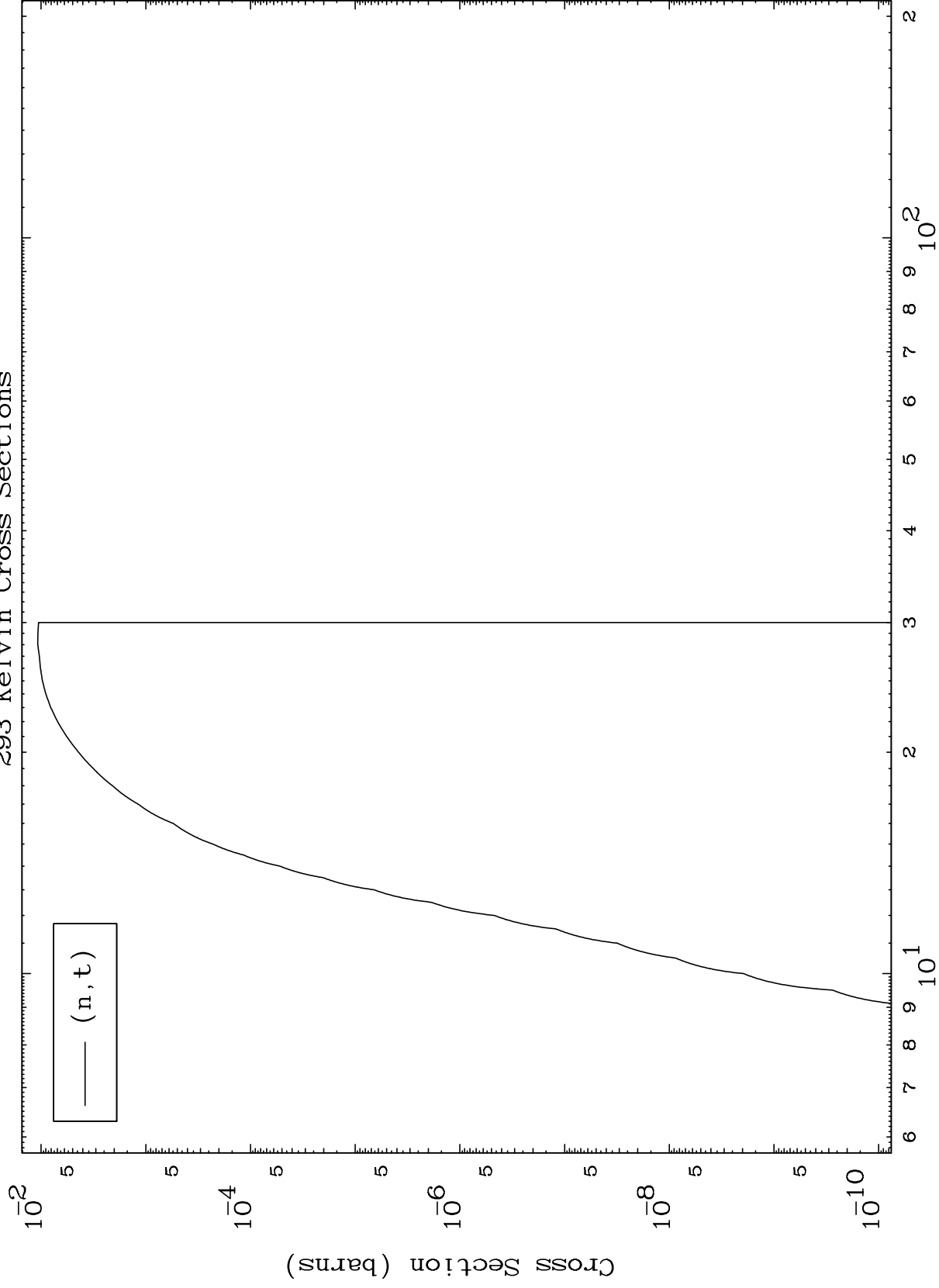
Incident Energy (MeV)

50-Sn-109

MAT 5016

(n,t) Levels
293 Kelvin Cross Sections

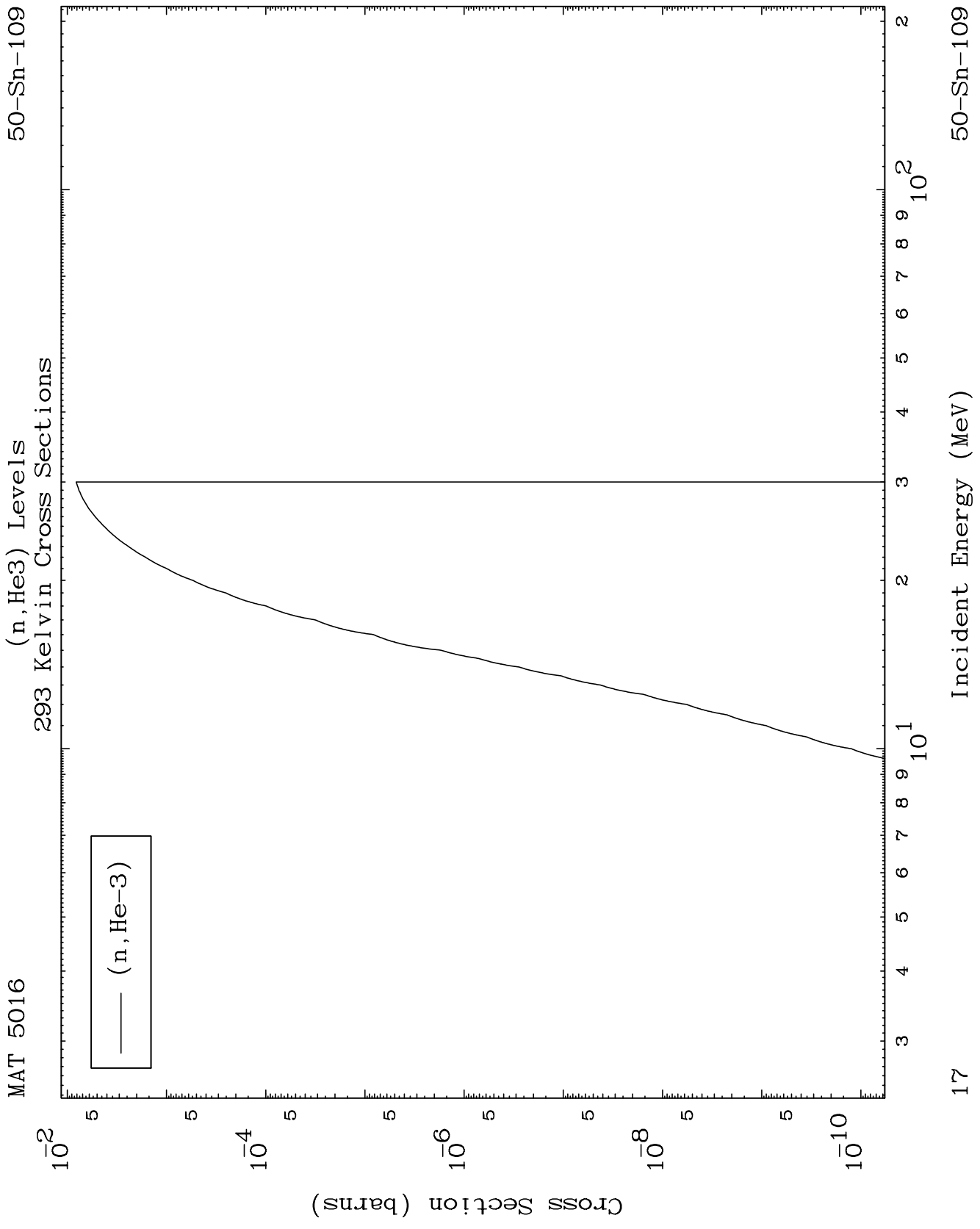
50-Sn-109



16

Incident Energy (MeV)

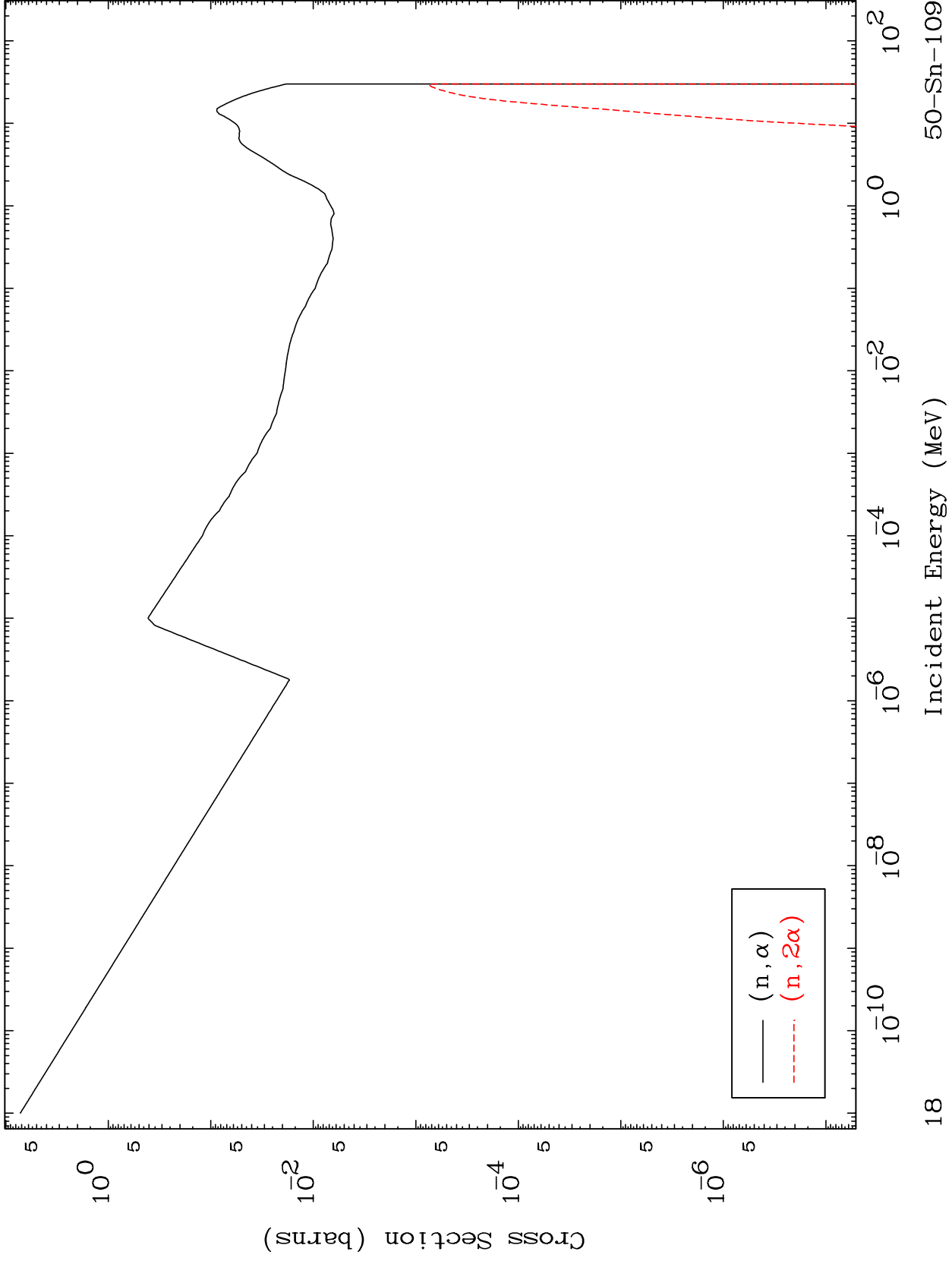
50-Sn-109



MAT 5016

(n,α) Levels
293 Kelvin Cross Sections

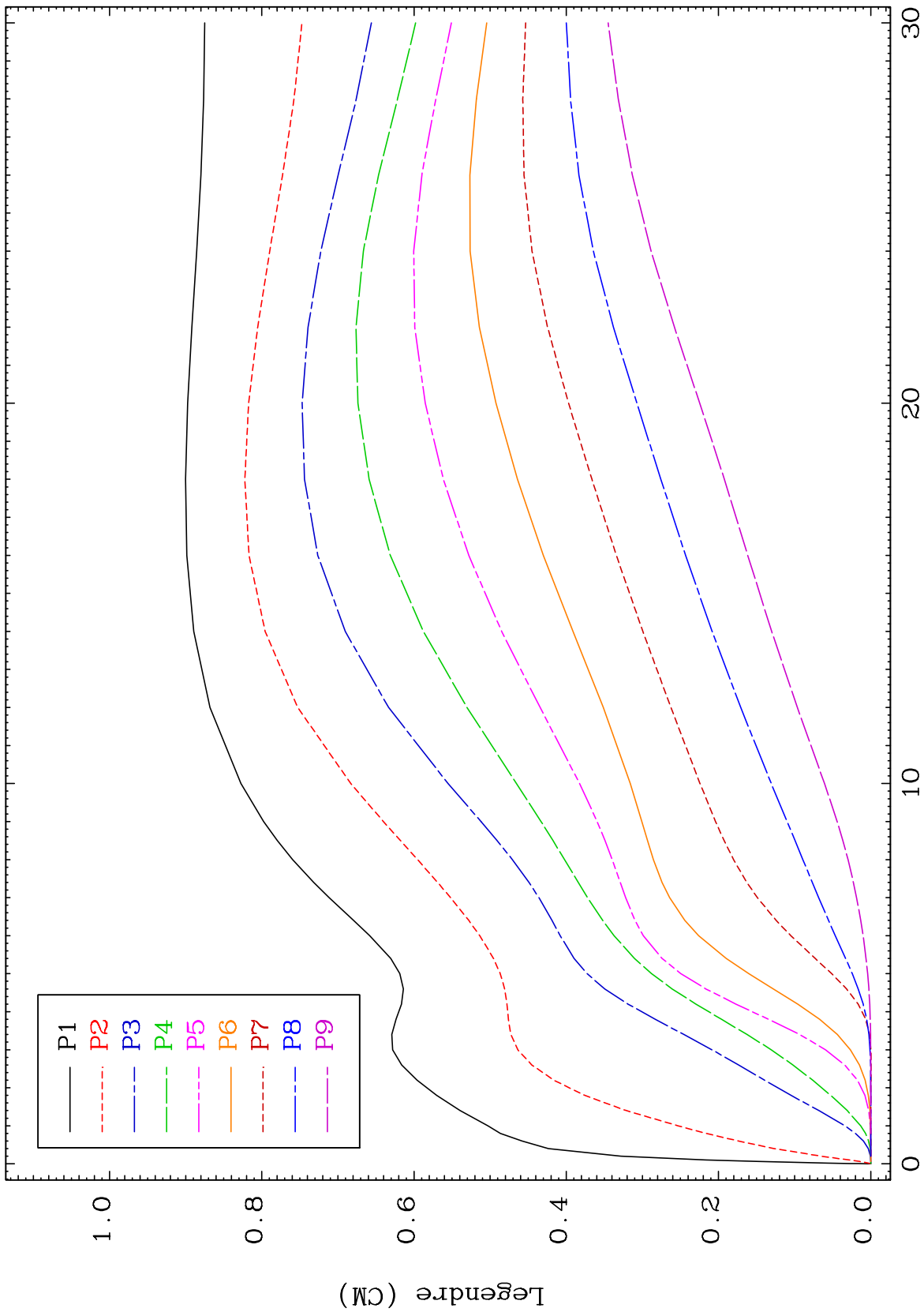
50-Sn-109



MAT 5016

Elastic Legendre Coefficients

50-Sn-109



19

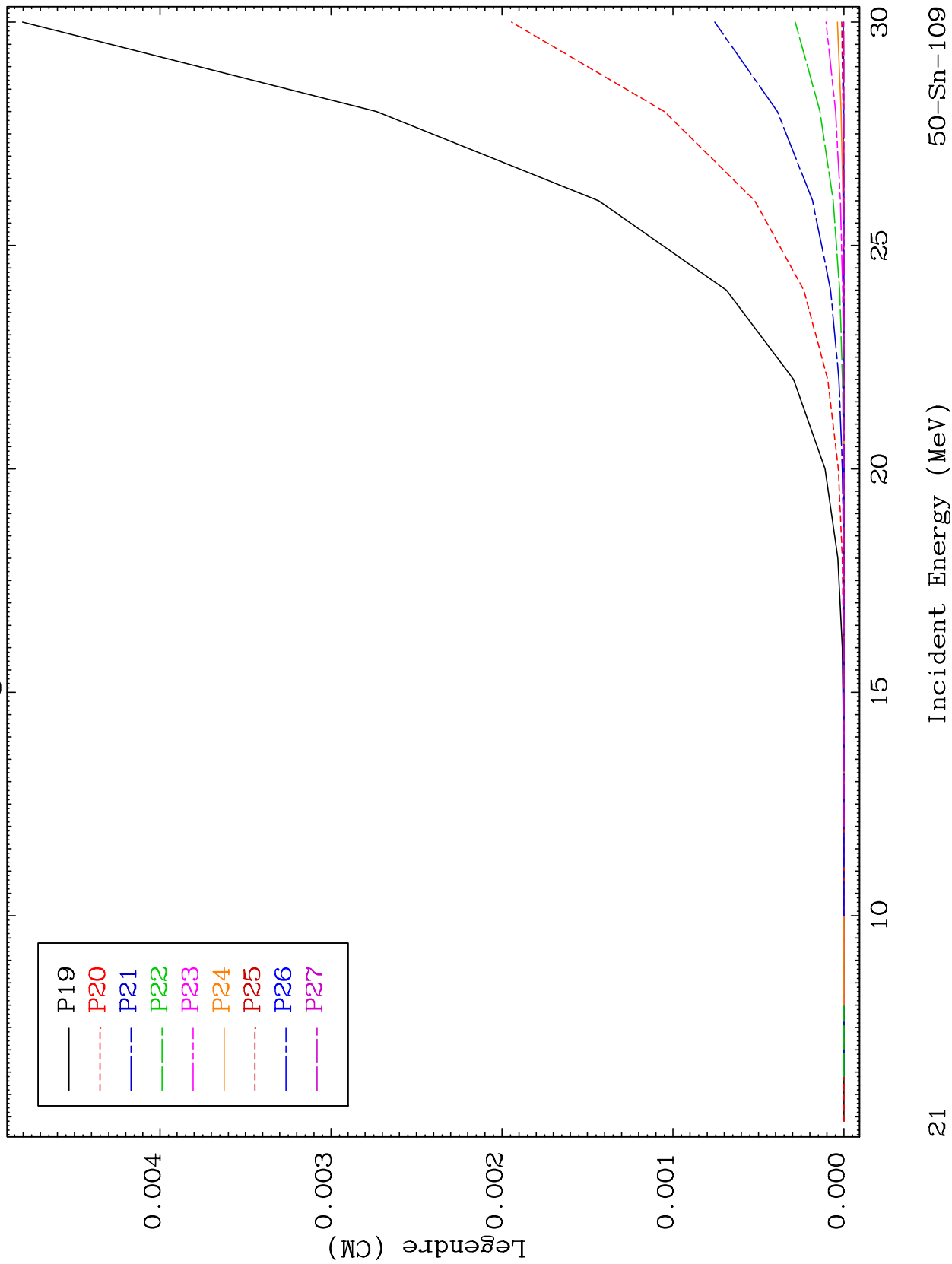
Incident Energy (MeV)

50-Sn-109

MAT 5016

Elastic Legendre Coefficients

50-Sn-109

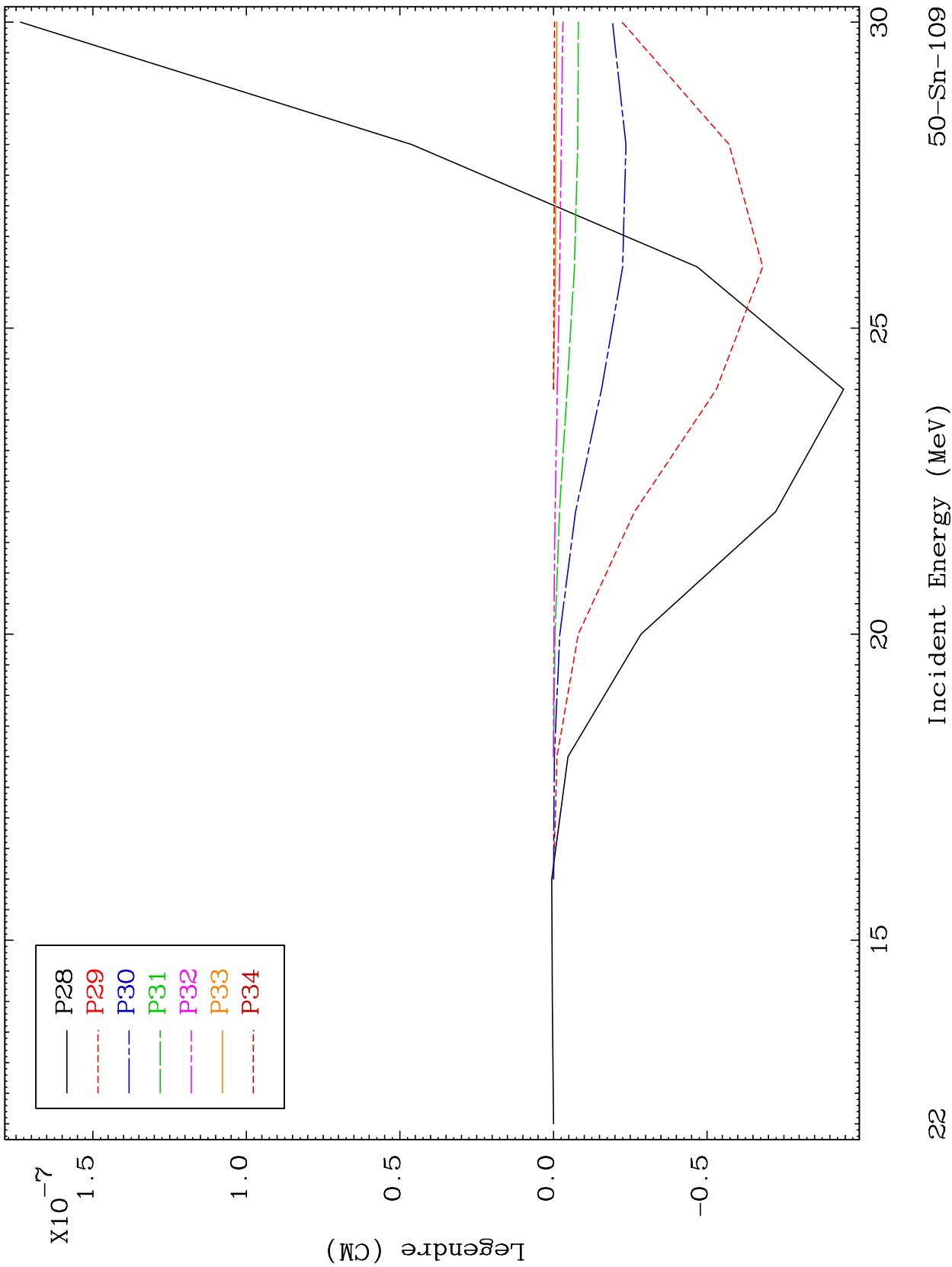


50-Sn-109

MAT 5016

Elastic Legendre Coefficients

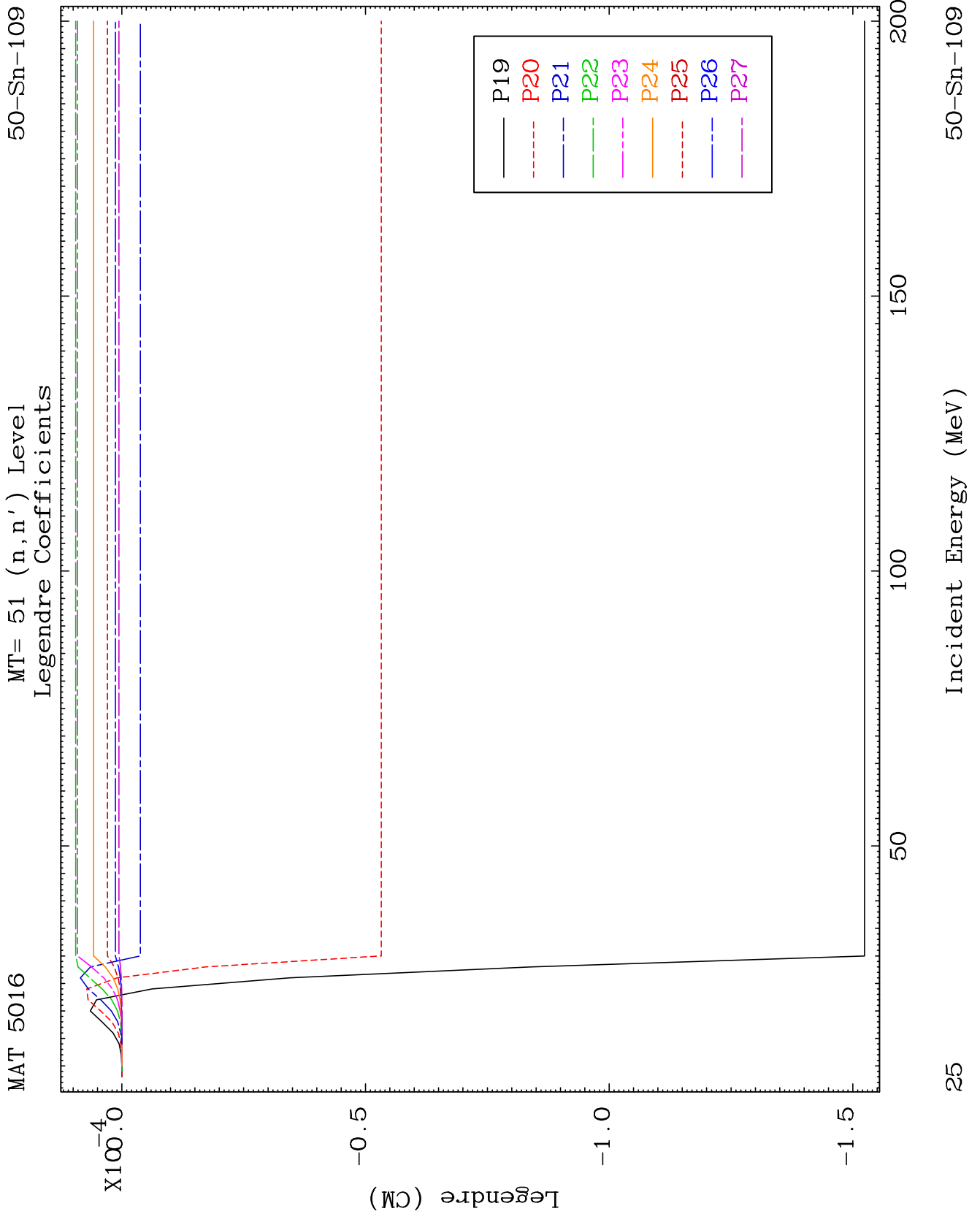
50-Sn-109

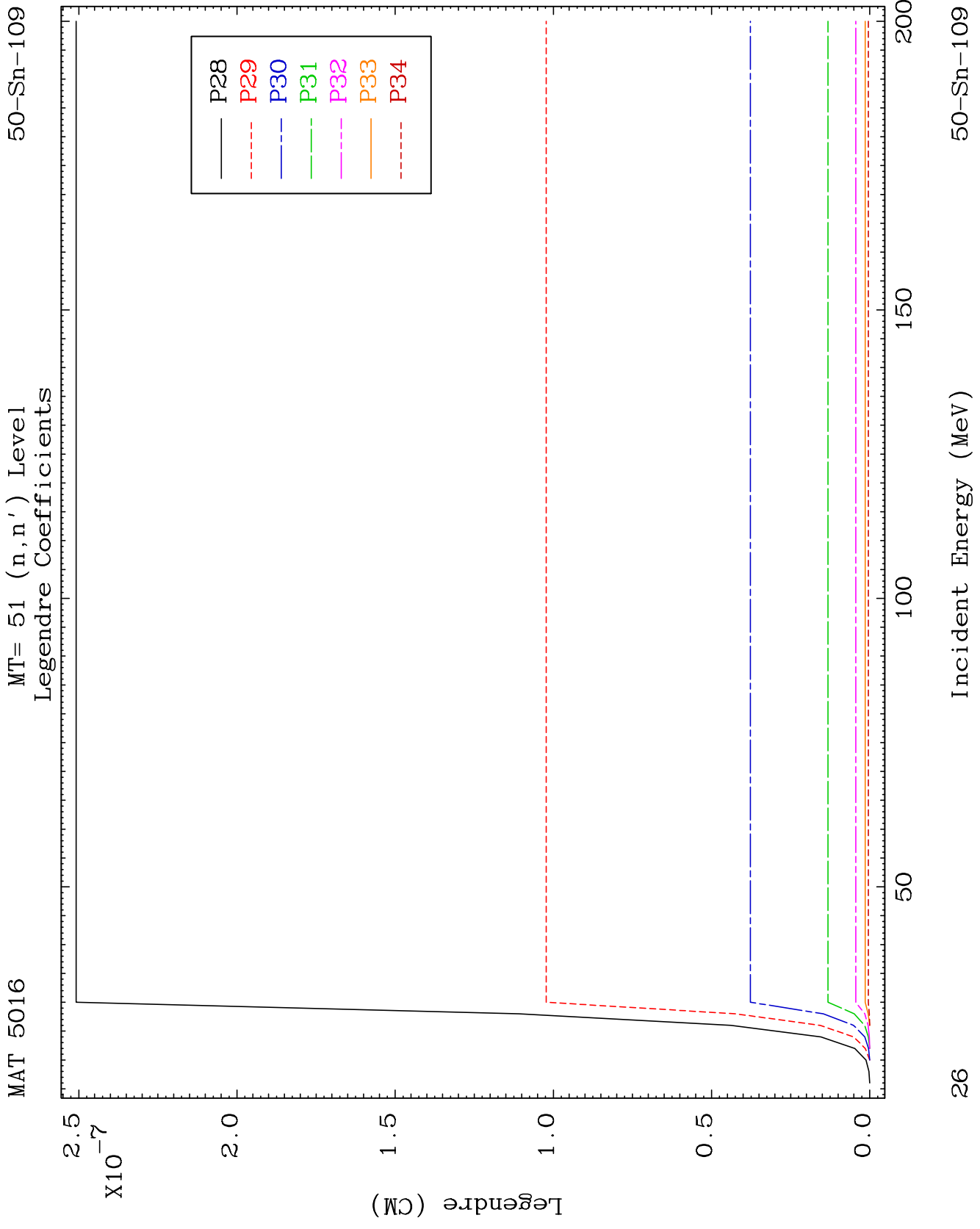


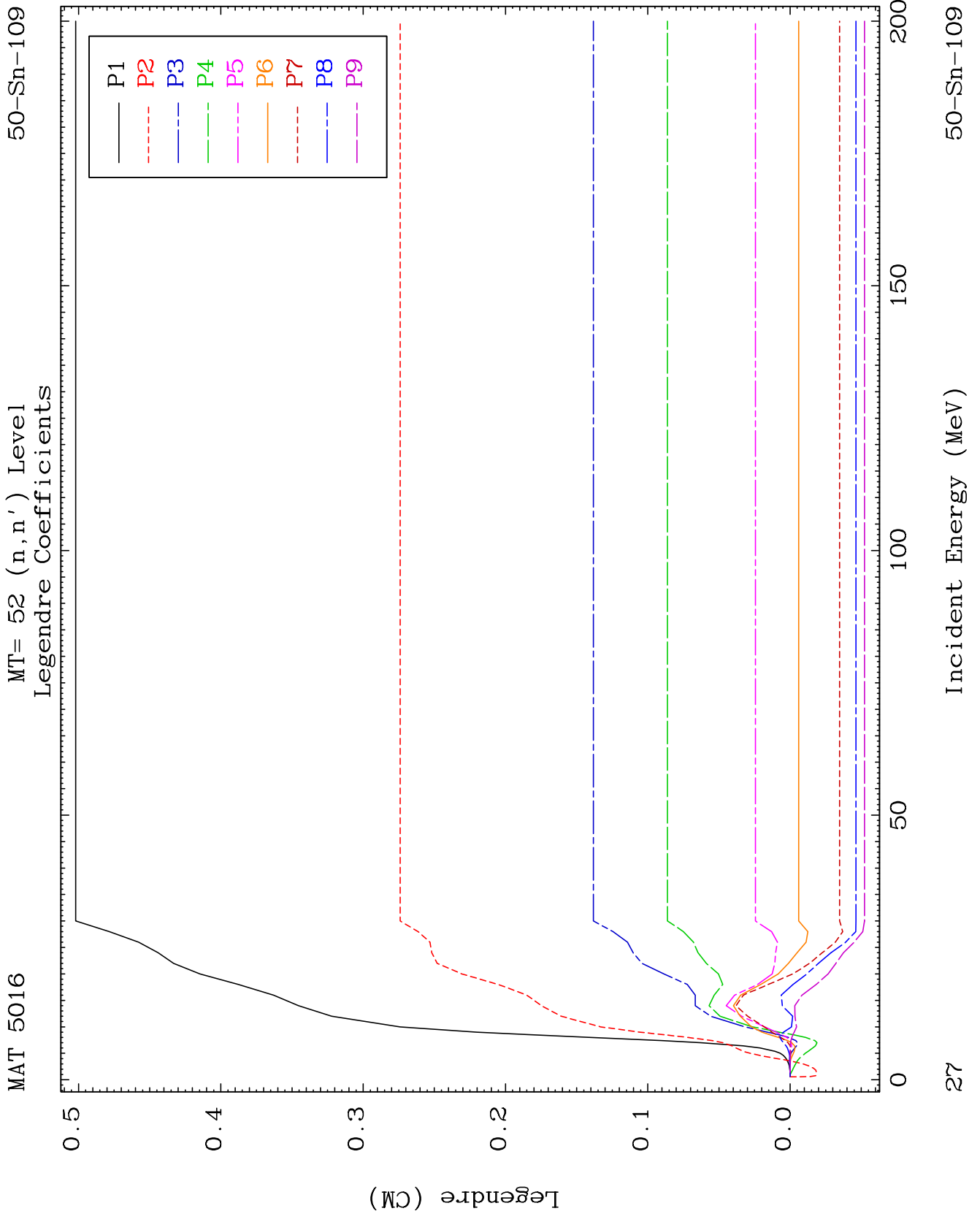
22

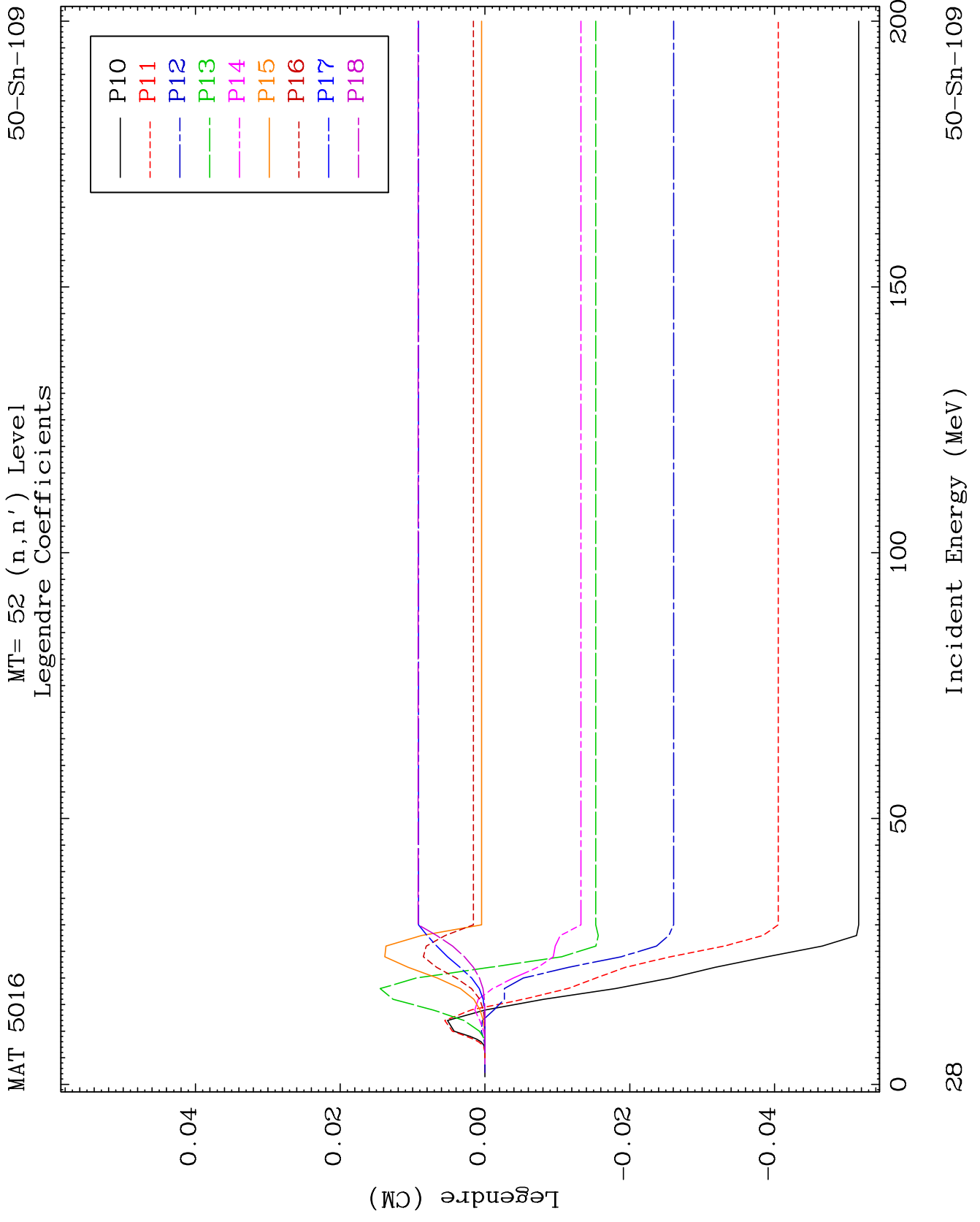
Incident Energy (MeV)

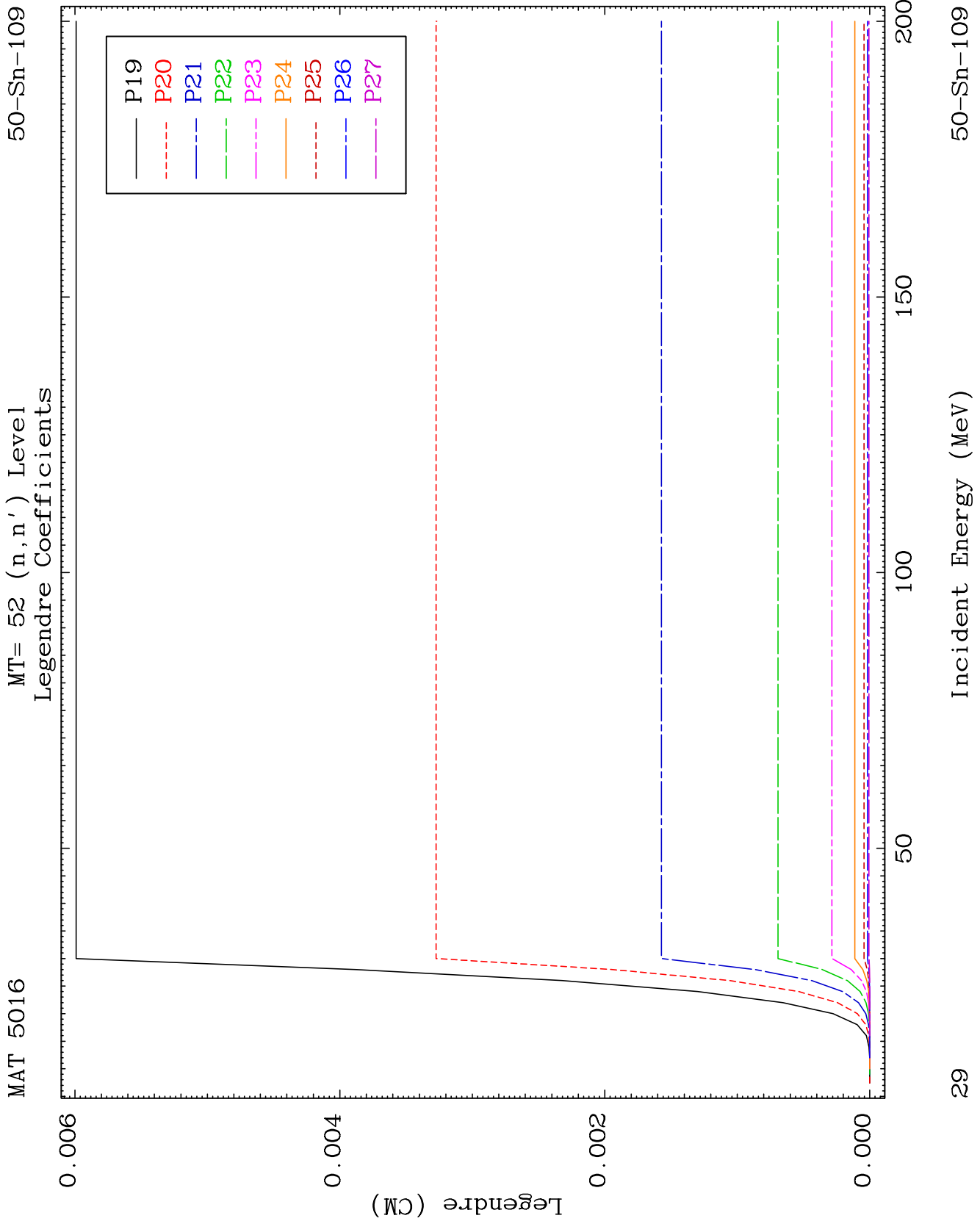
50-Sn-109







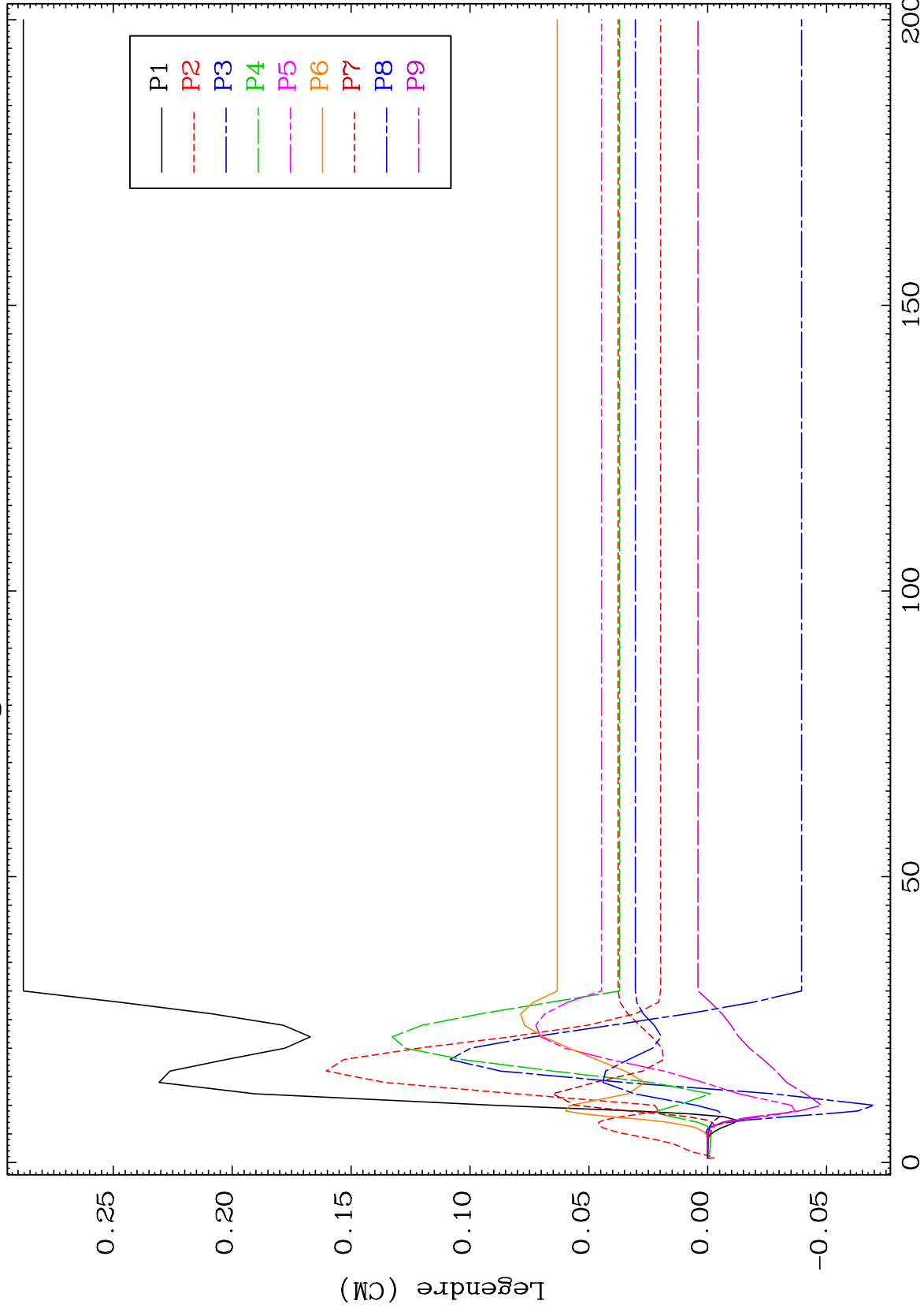




MAT 5016

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

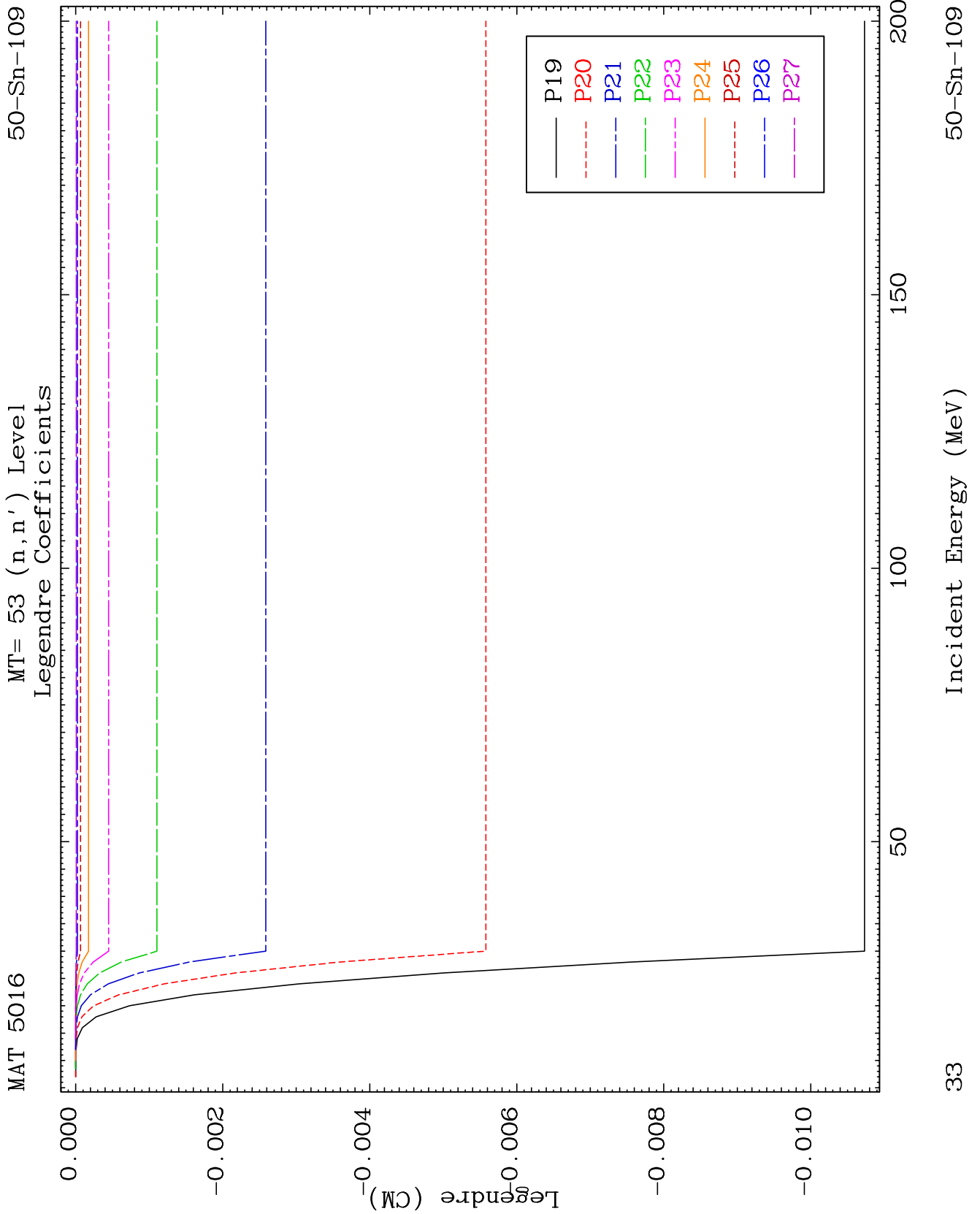
50-Sn-109

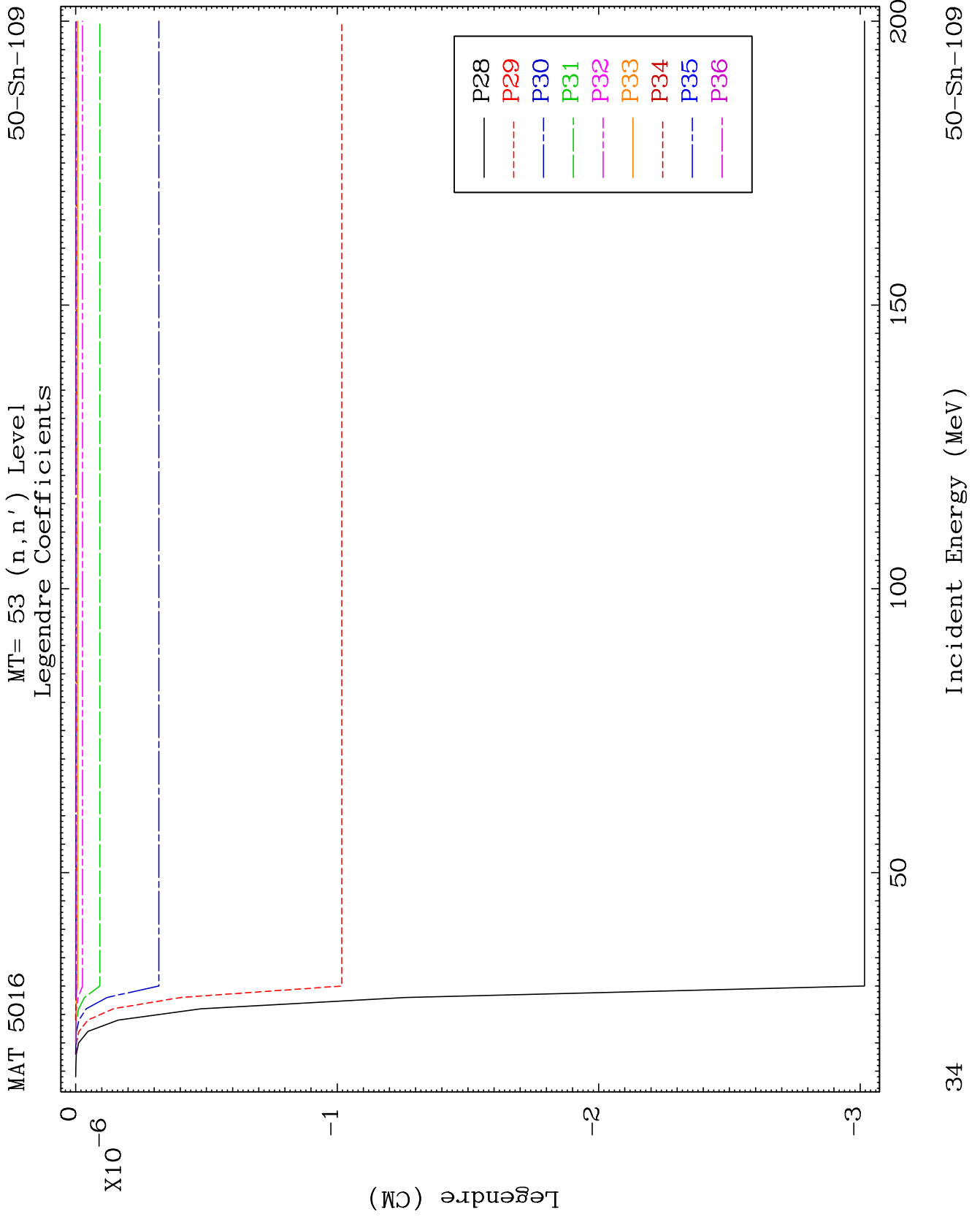


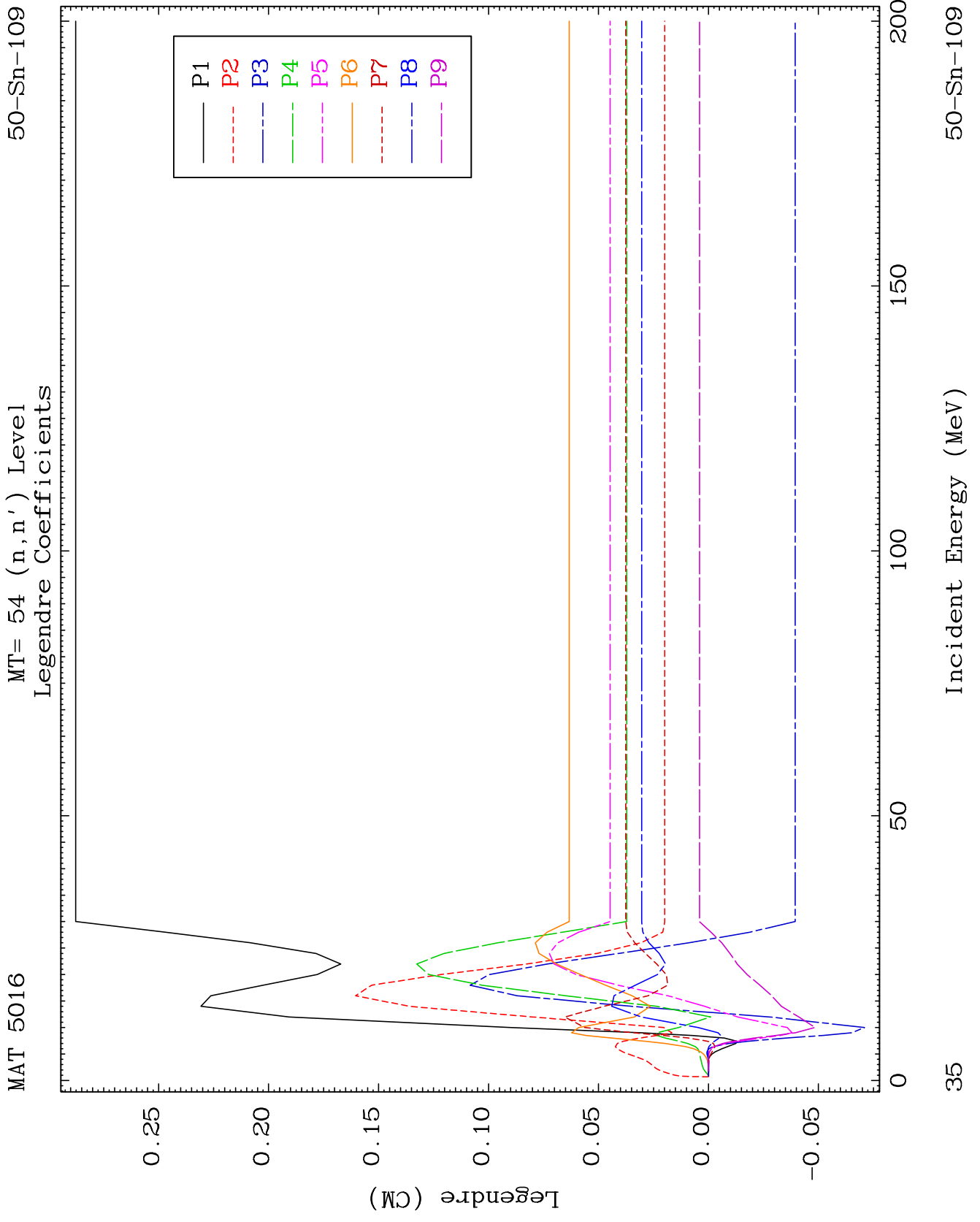
31

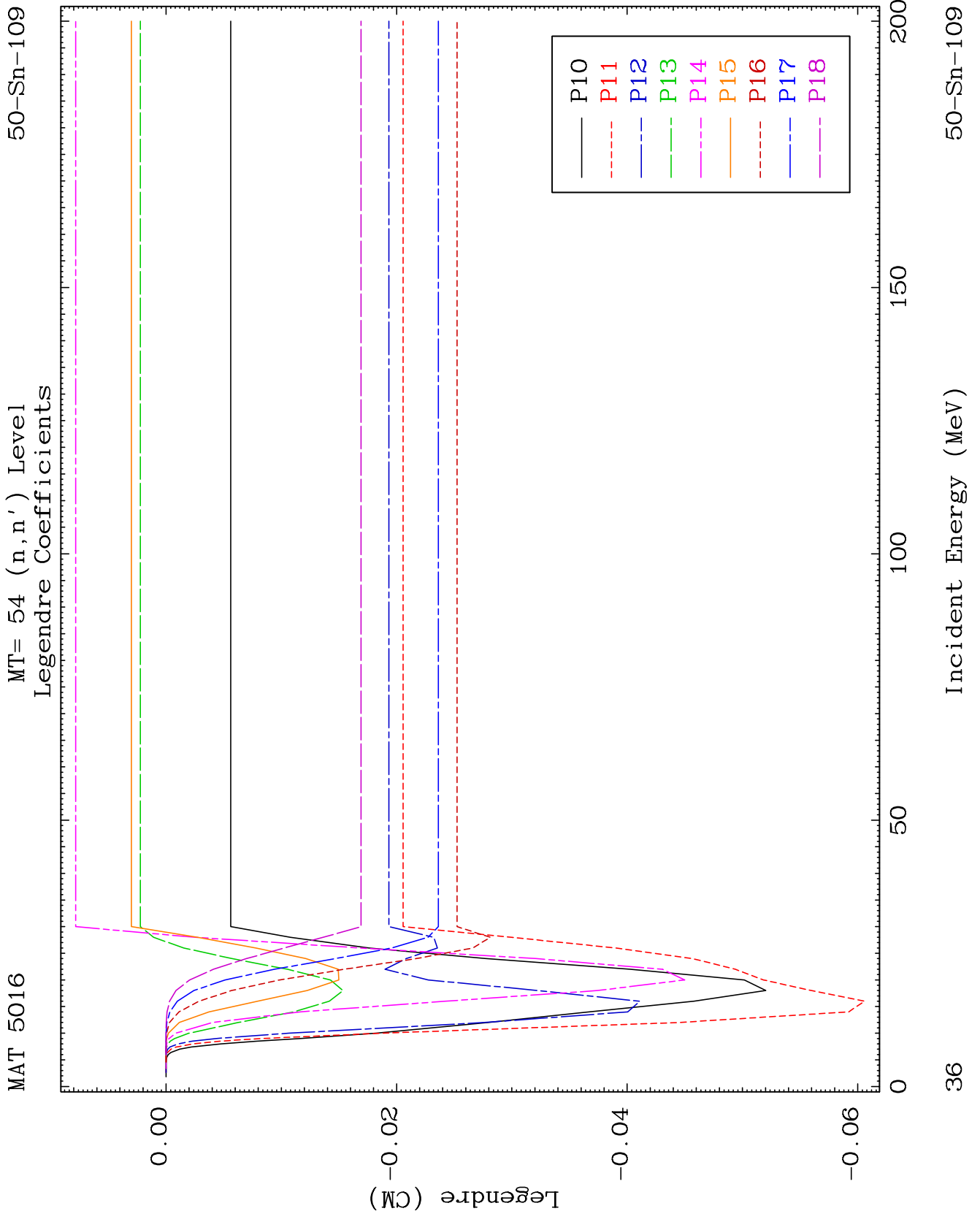
Incident Energy (MeV)

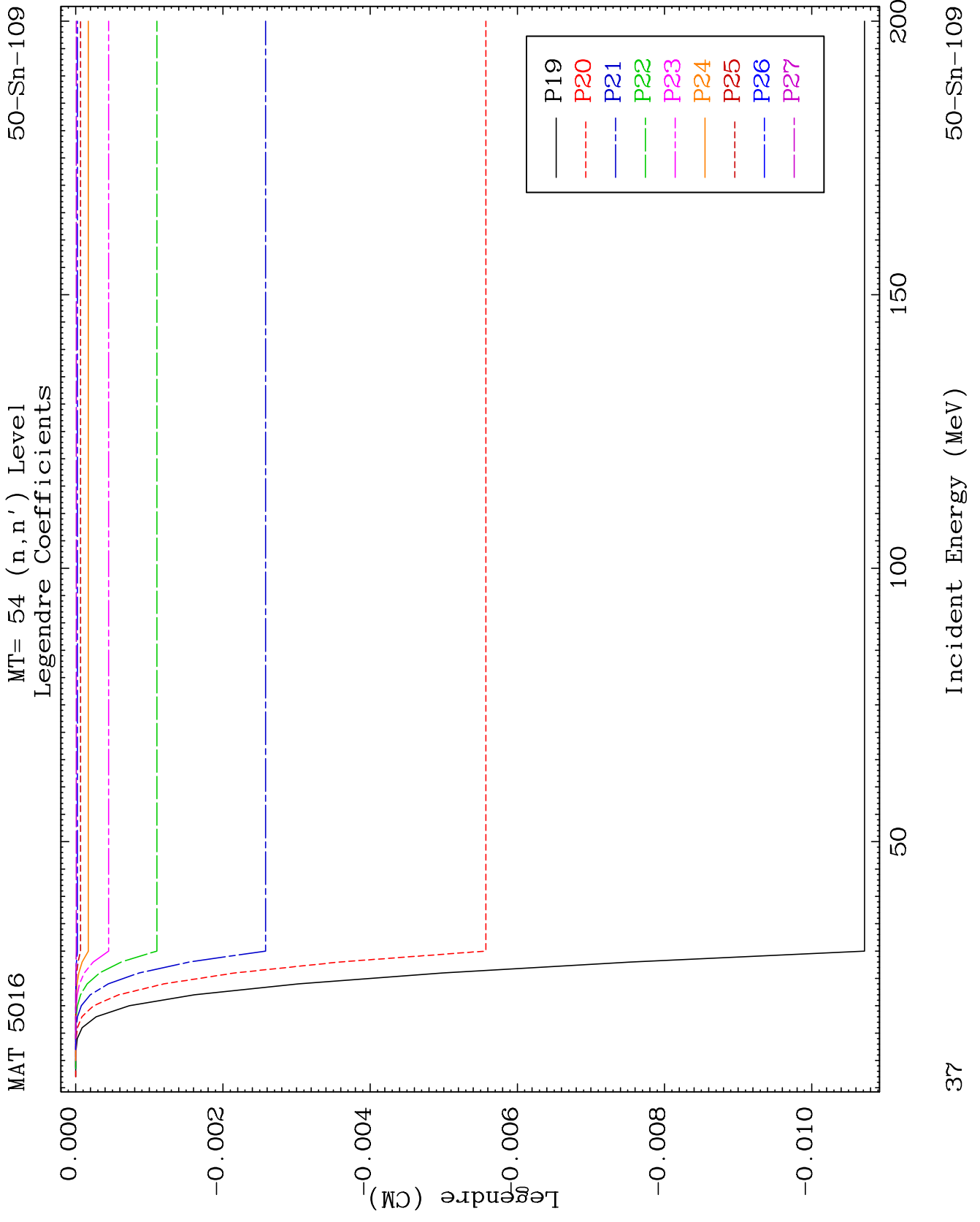
50-Sn-109

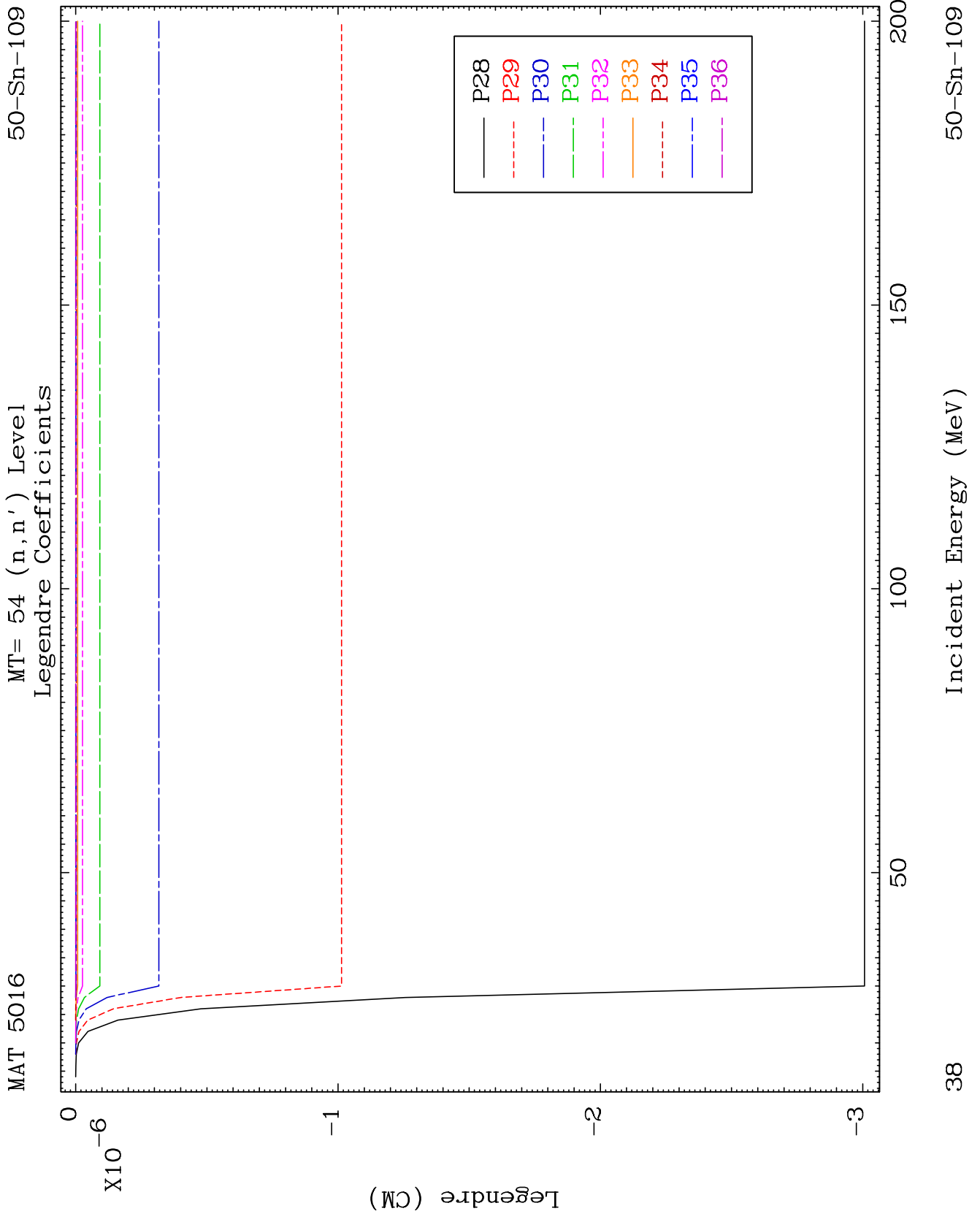


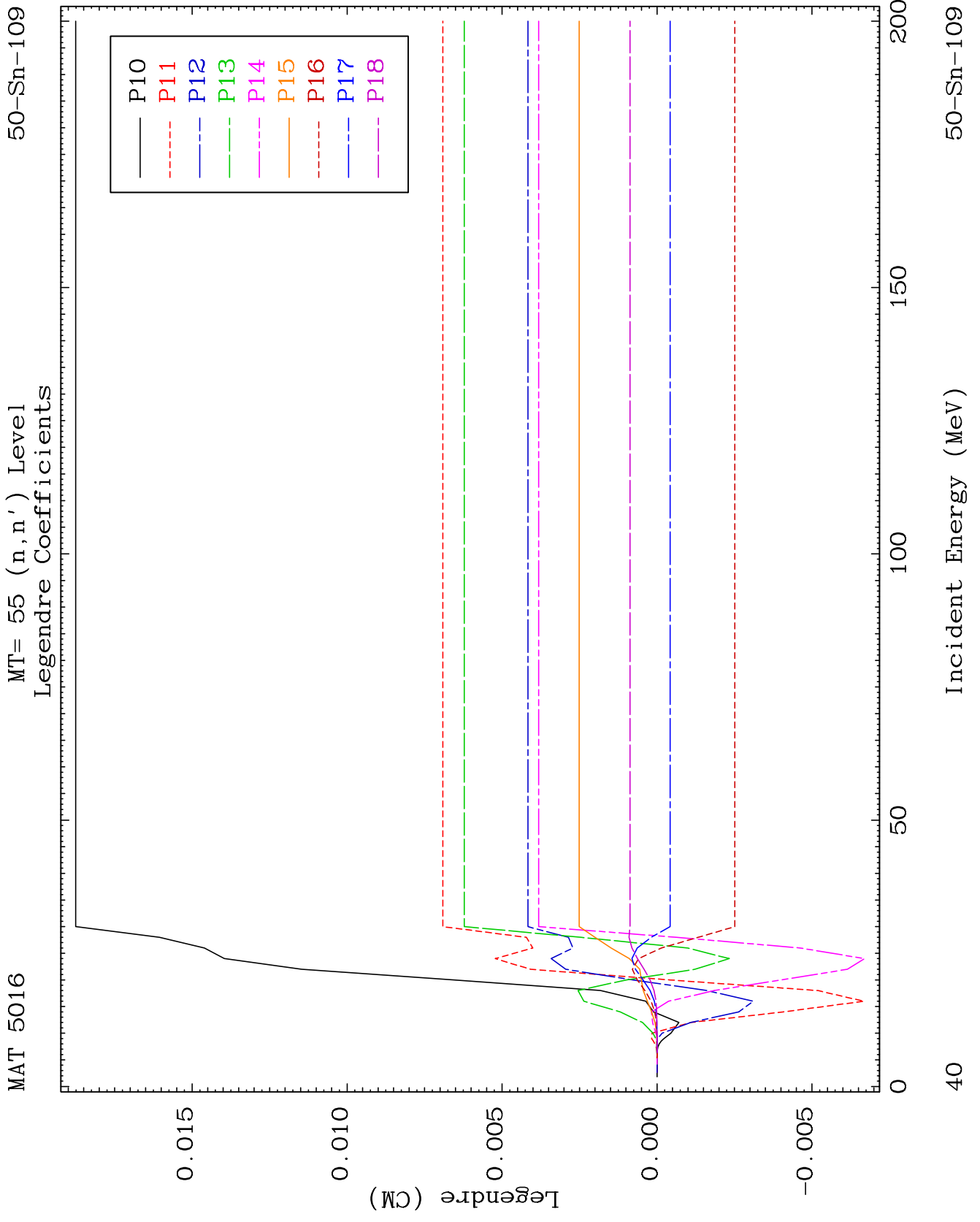








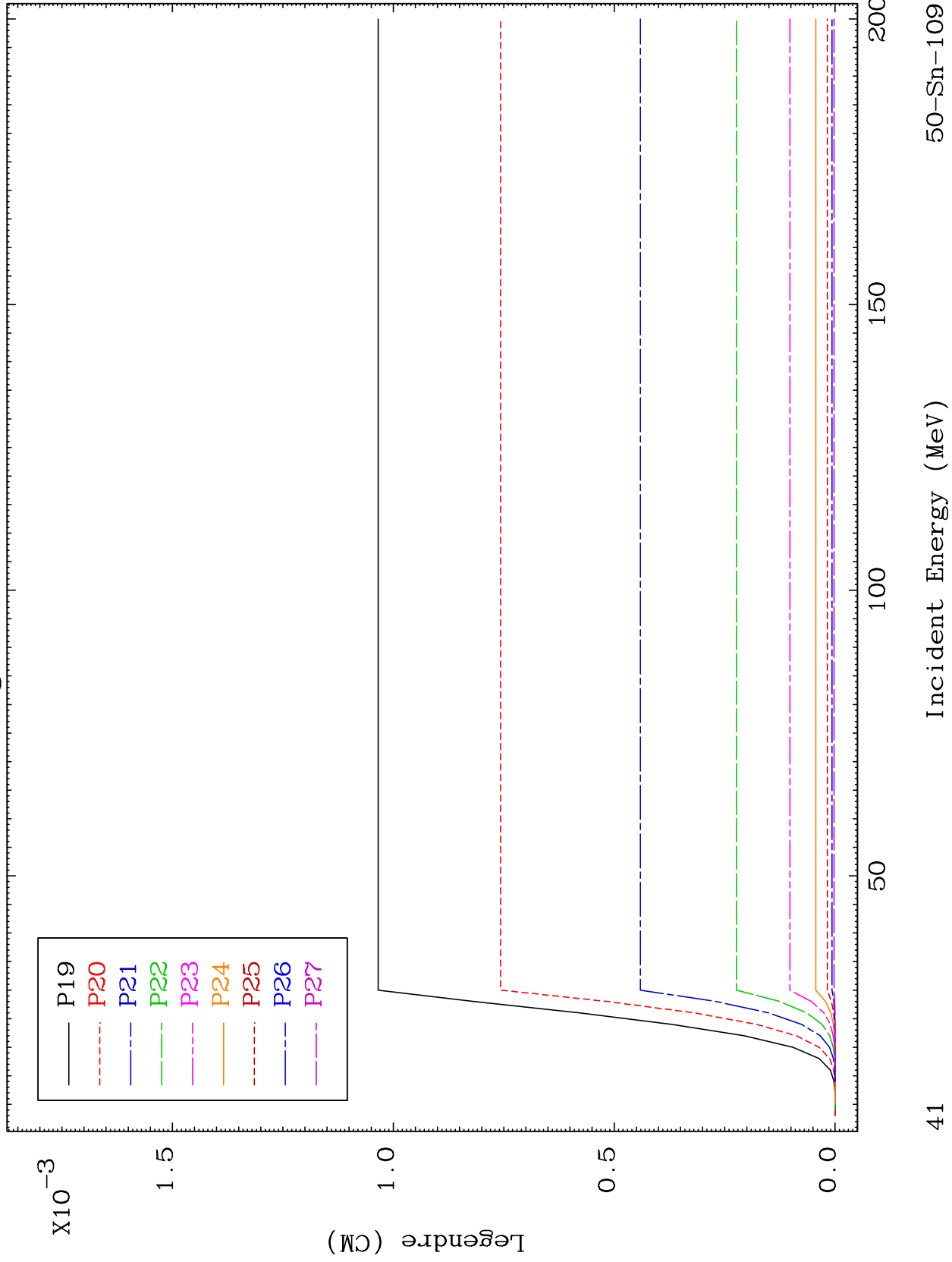


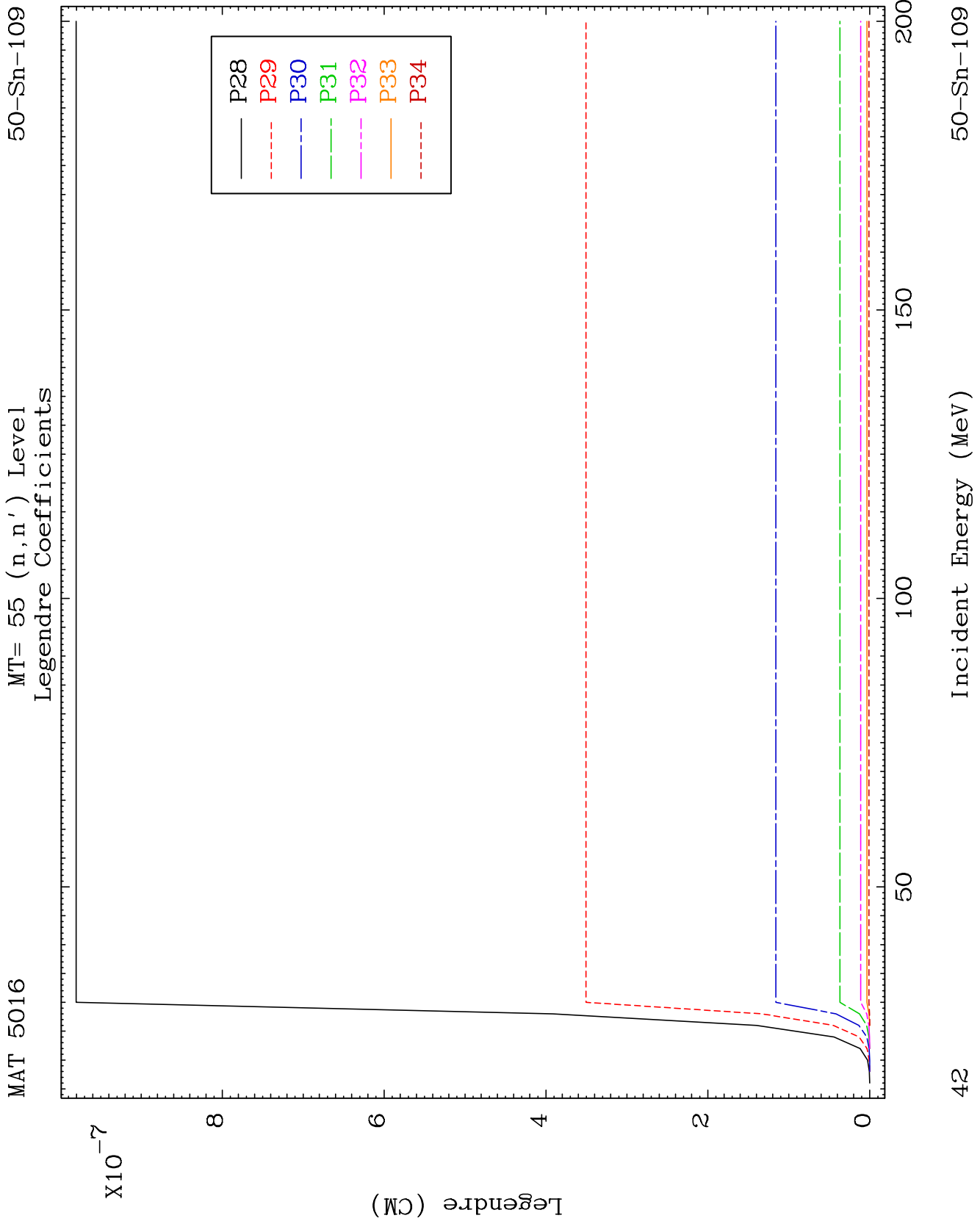


MAT 5016

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

50-Sn-109



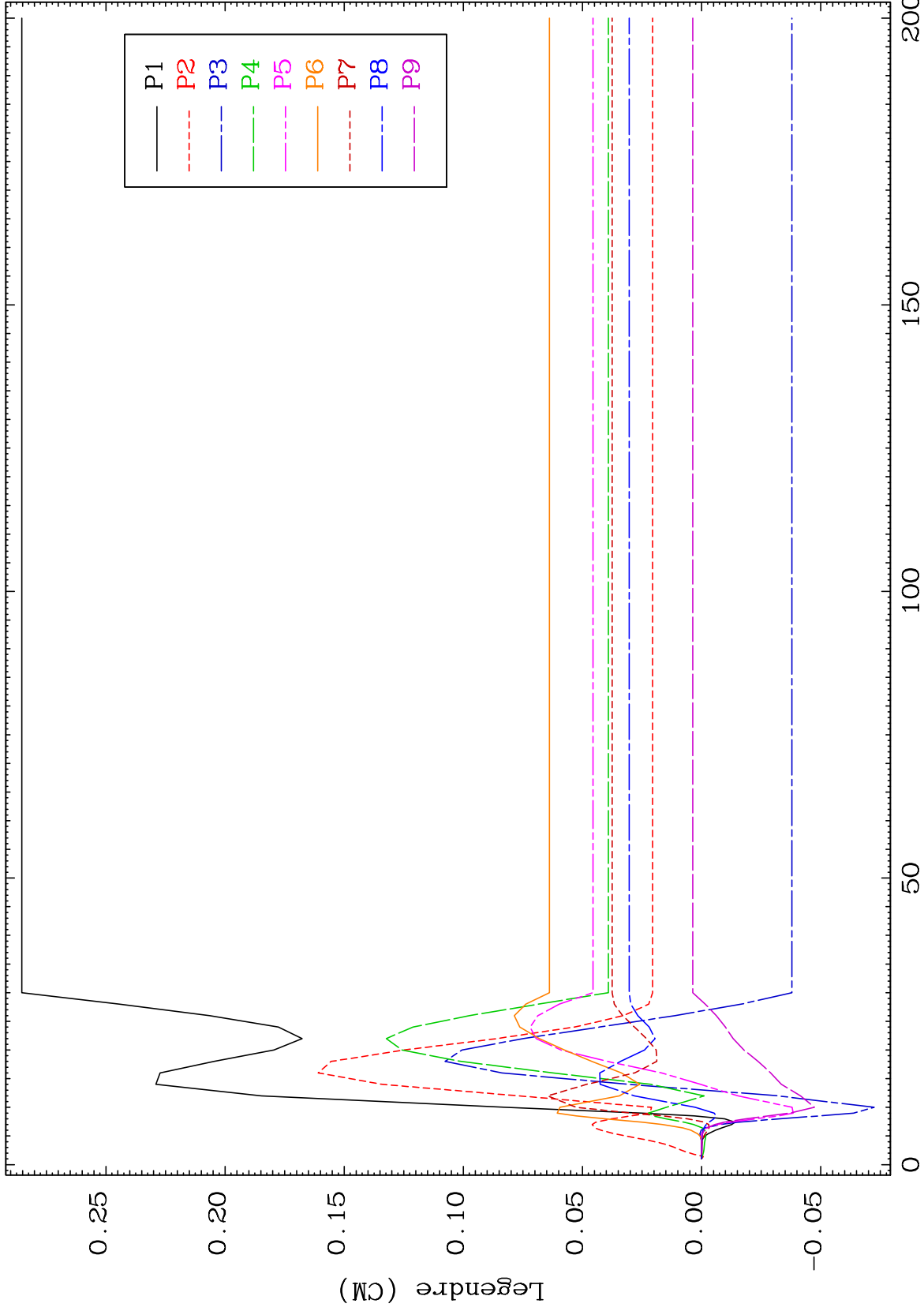


MAT 5016

MT= 56 (n,n') Level

50-Sn-109

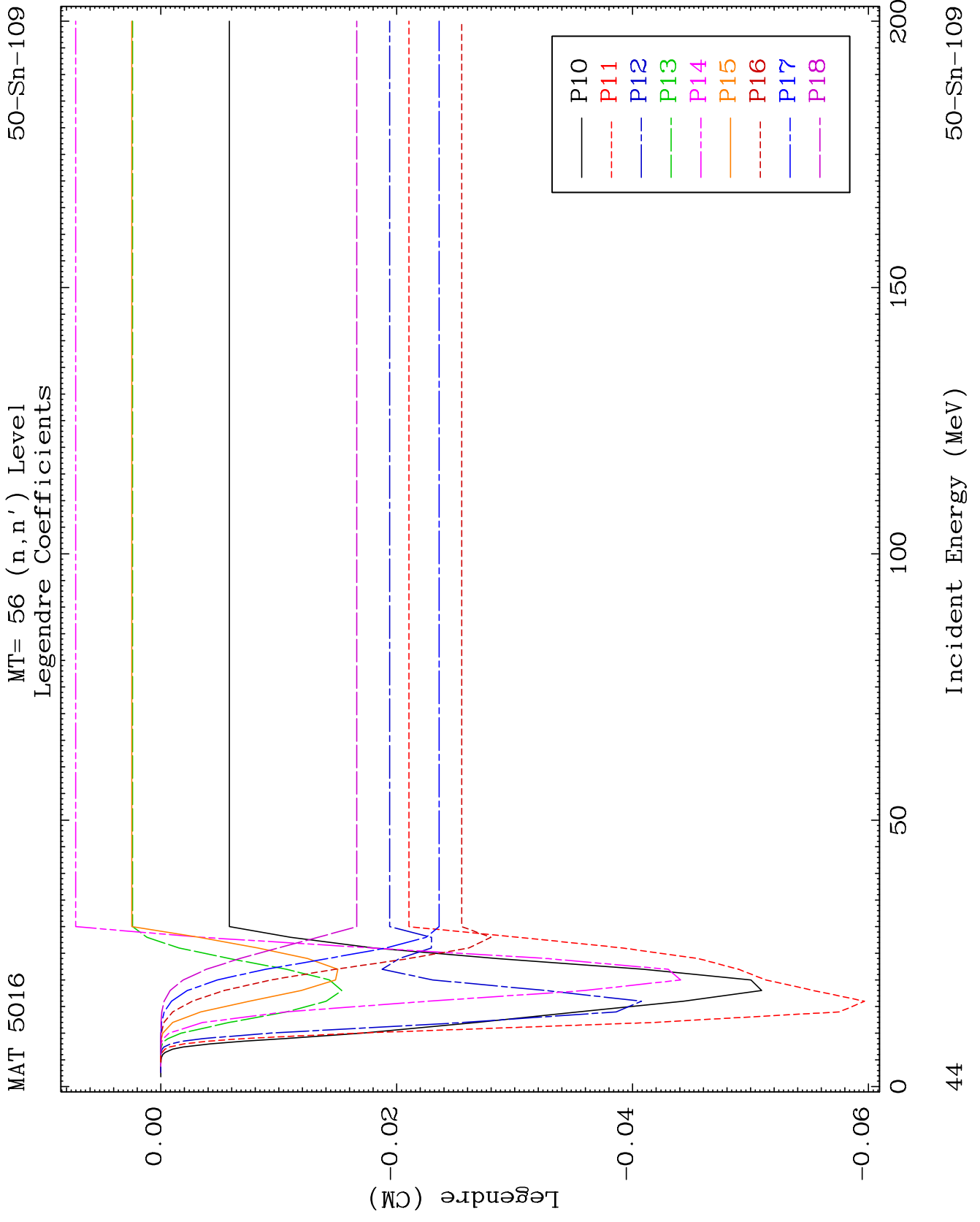
Legendre Coefficients

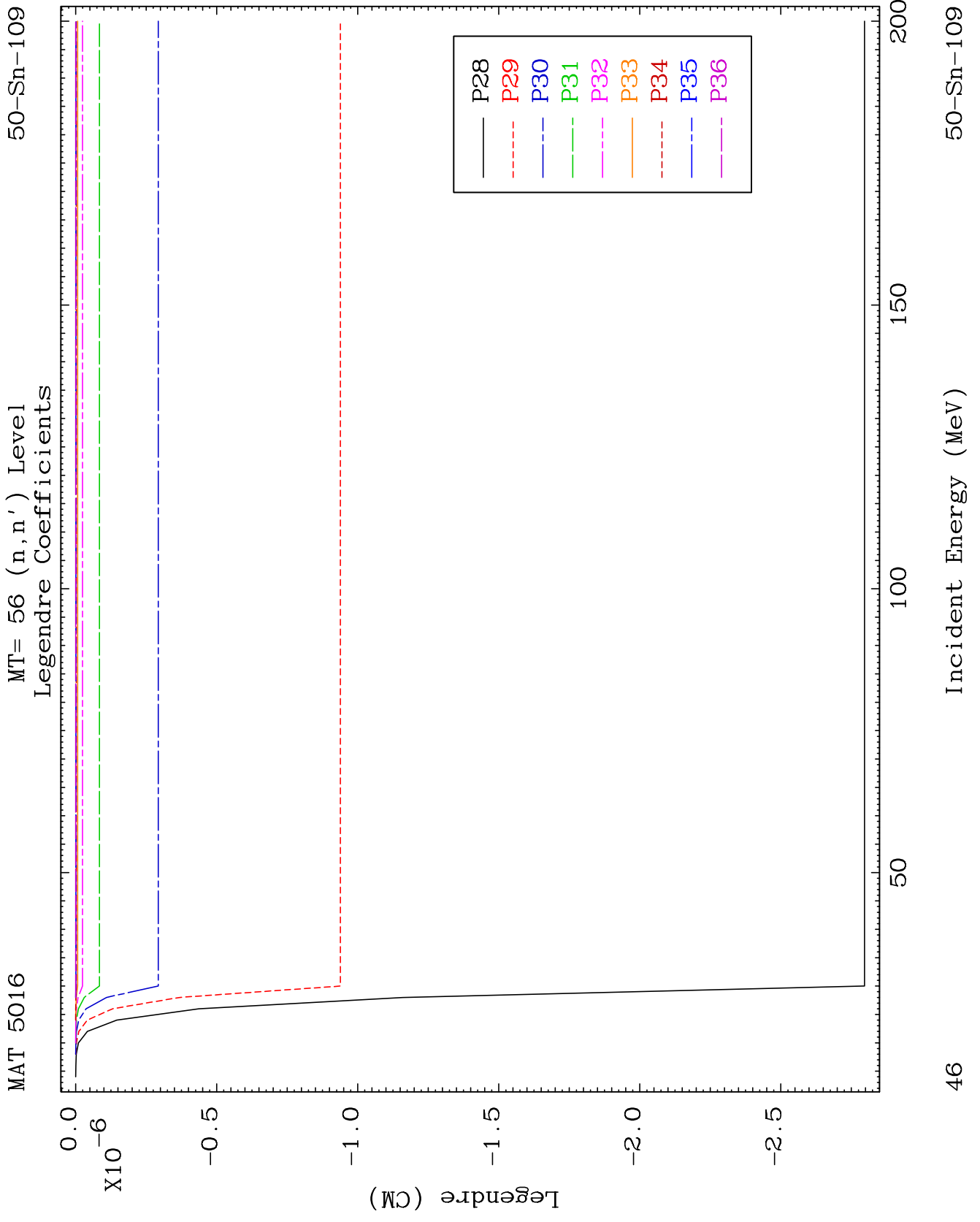


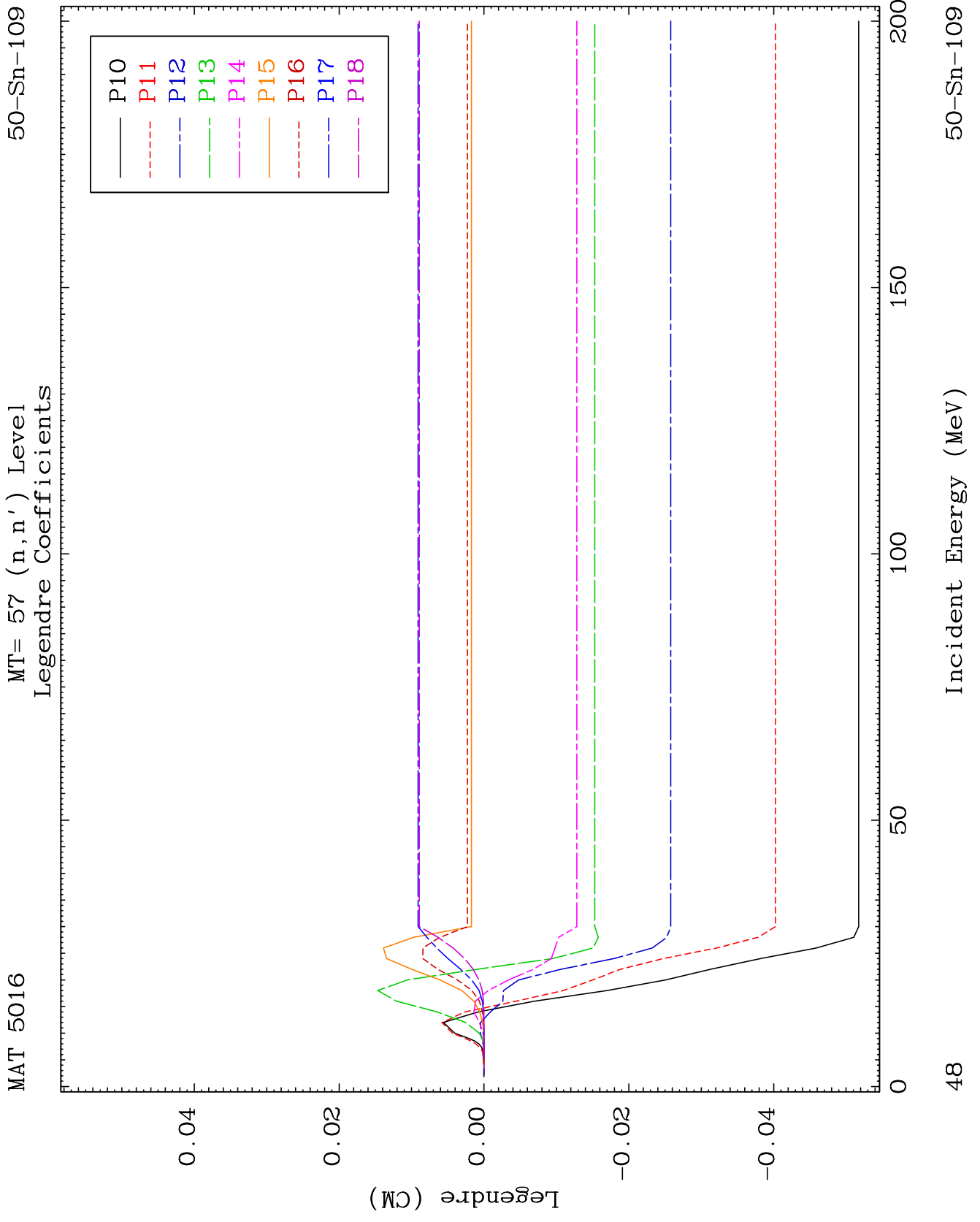
43

Incident Energy (MeV)

50-Sn-109



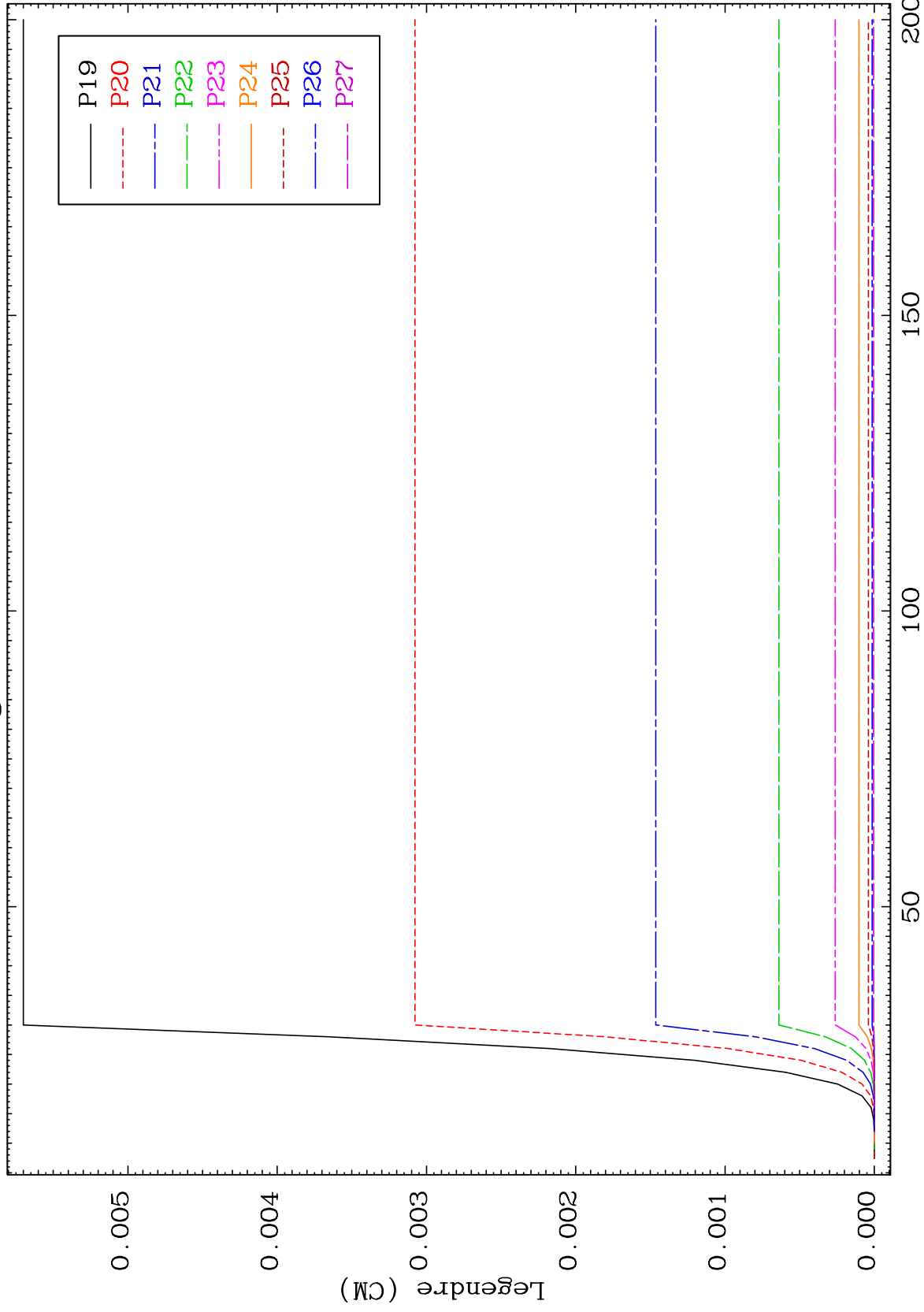




MAT 5016

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

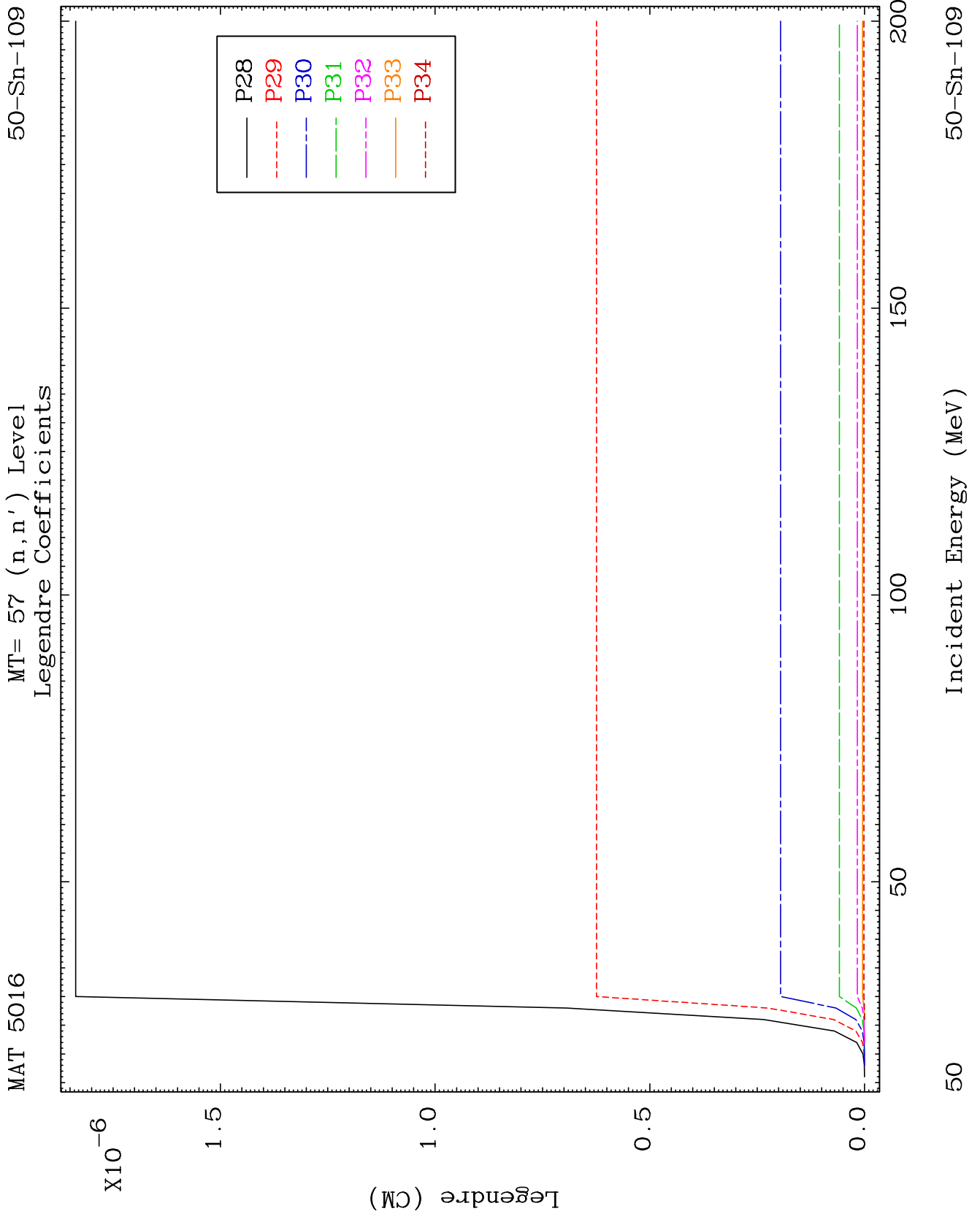
50-Sn-109

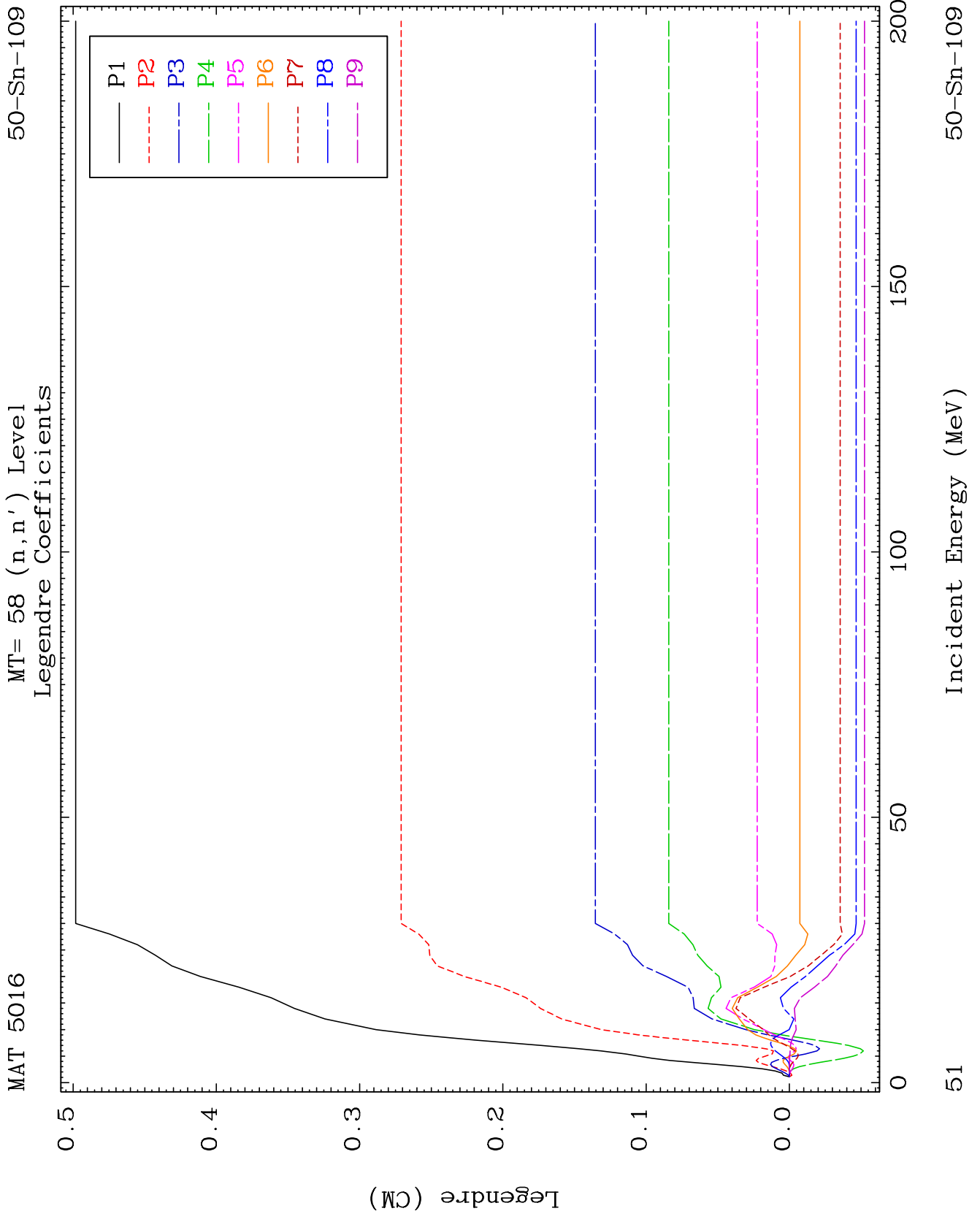


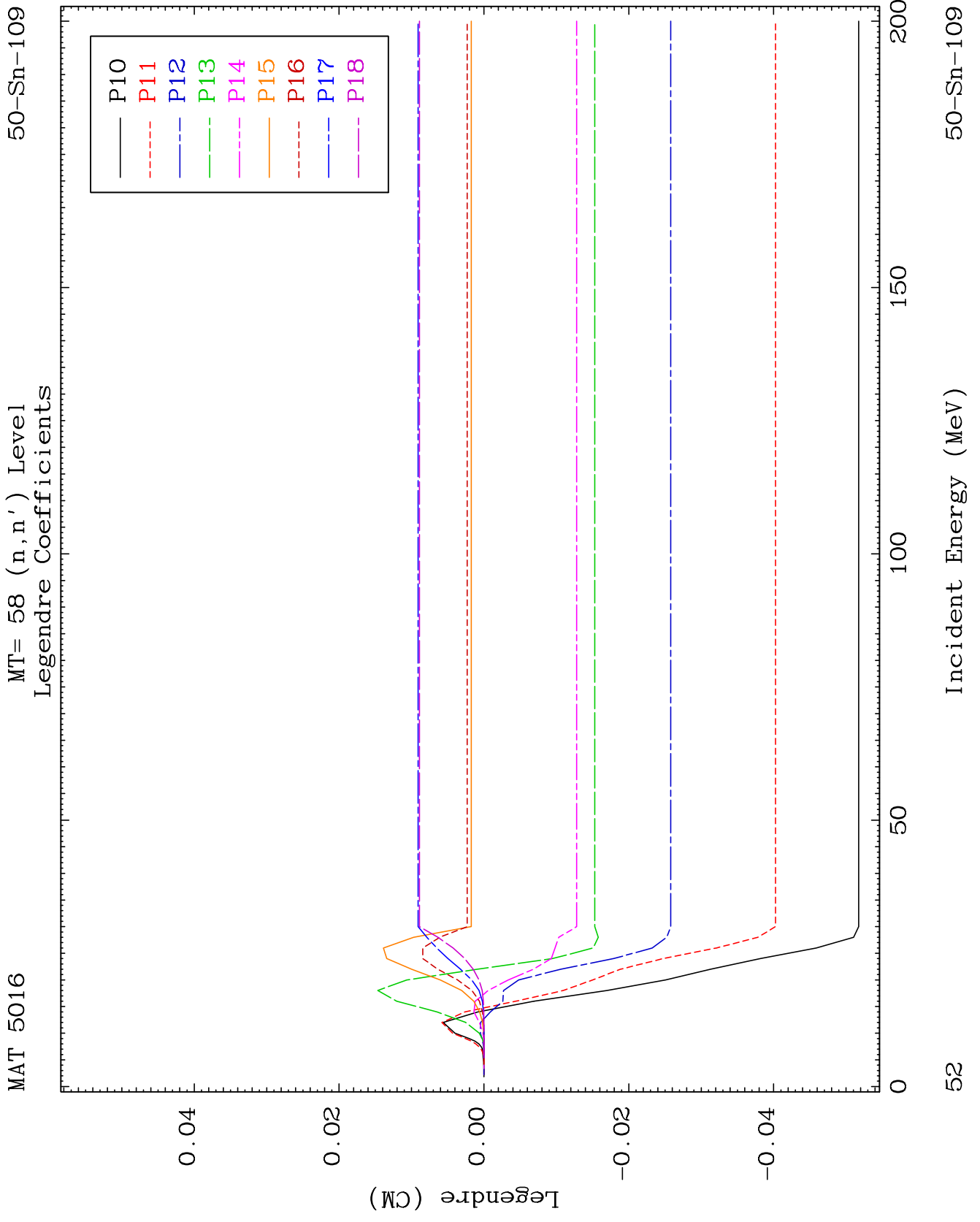
49

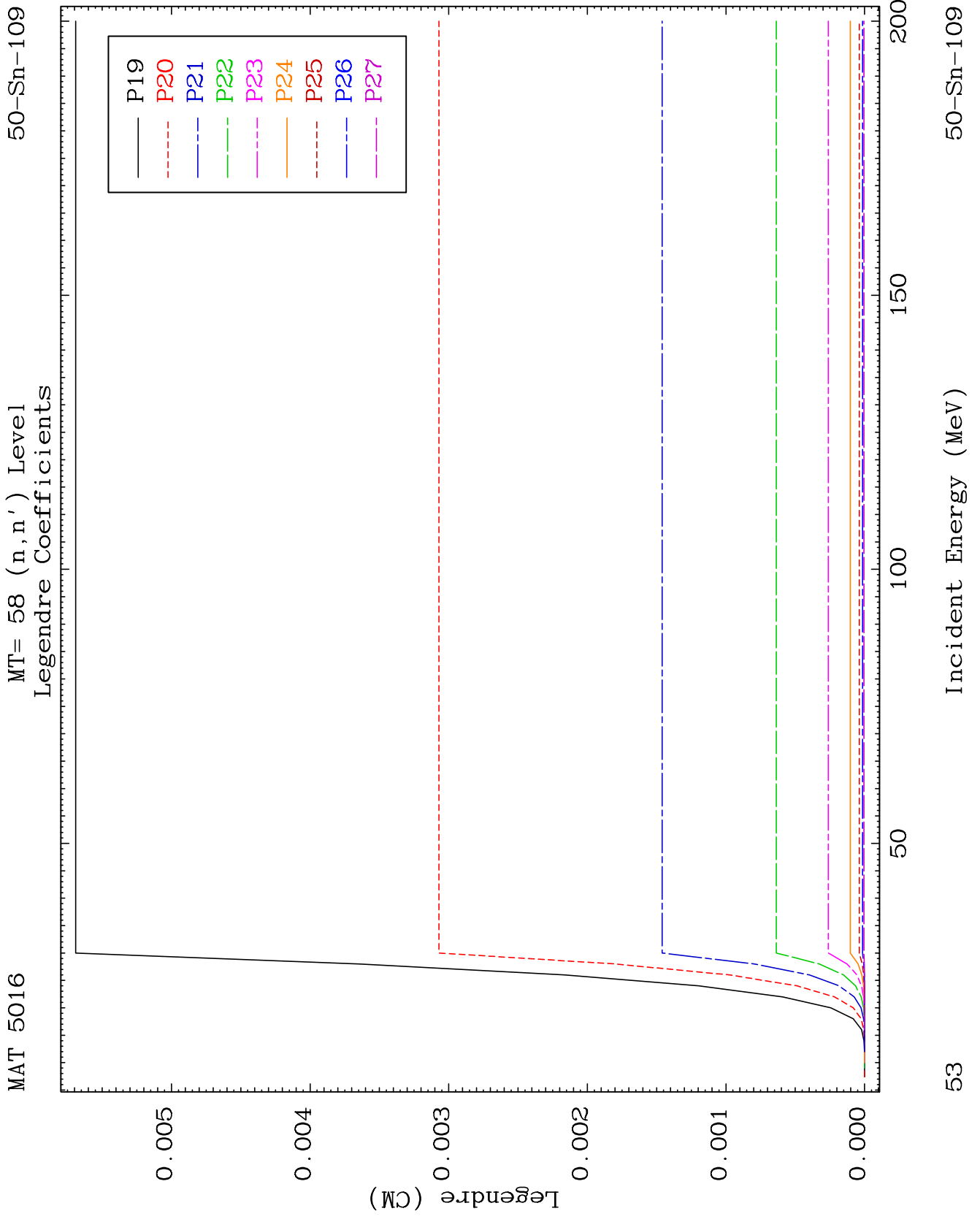
Incident Energy (MeV)

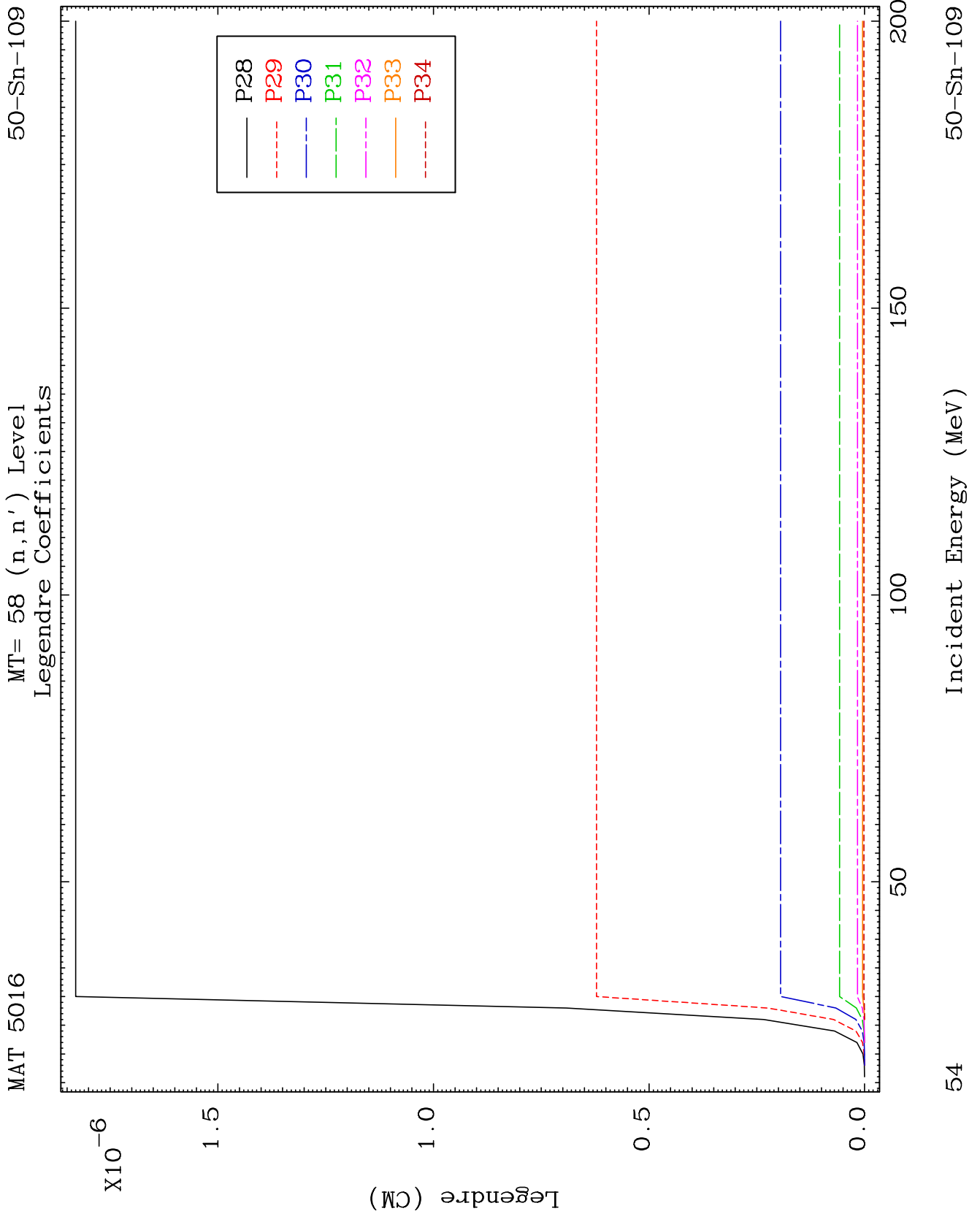
50-Sn-109

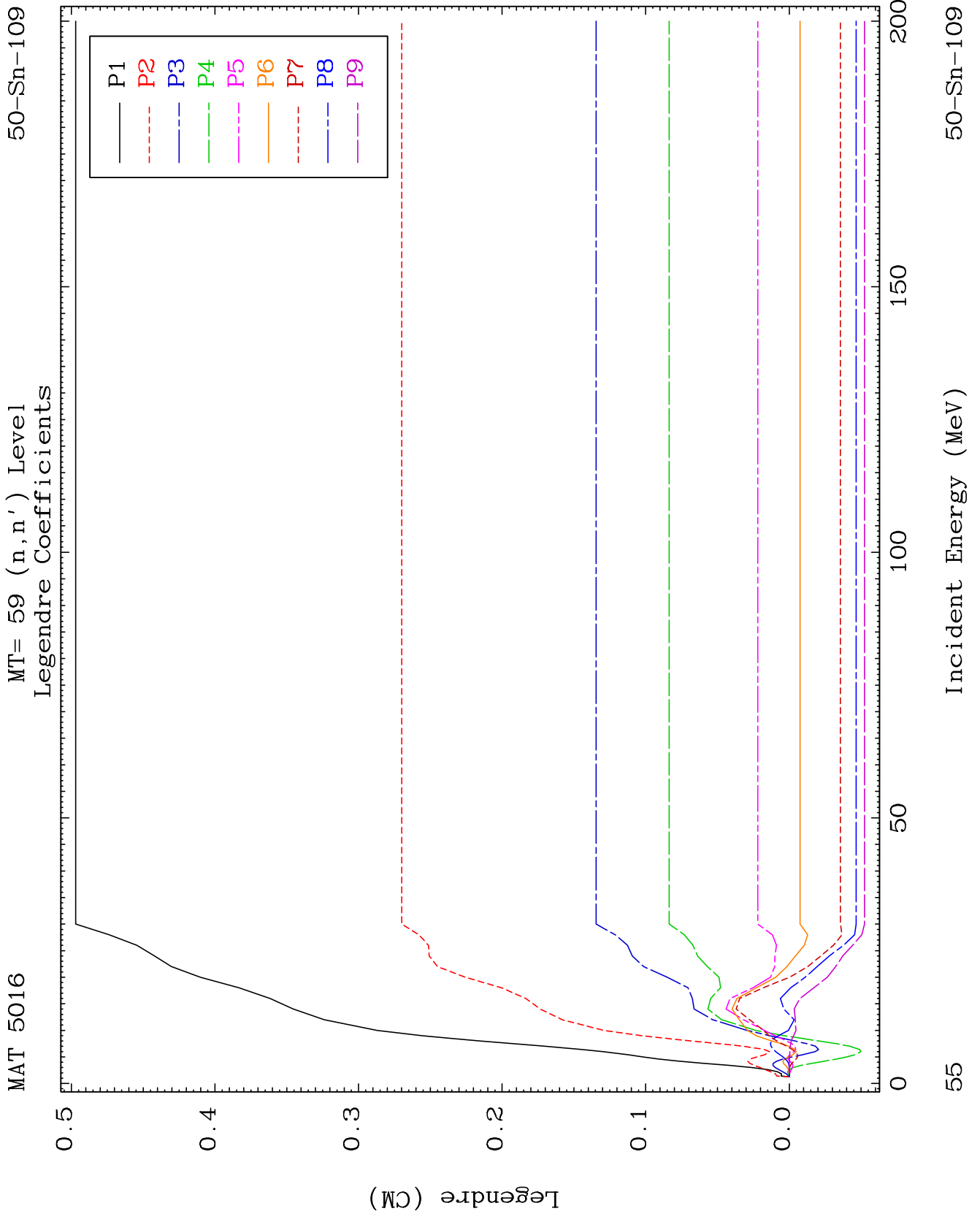


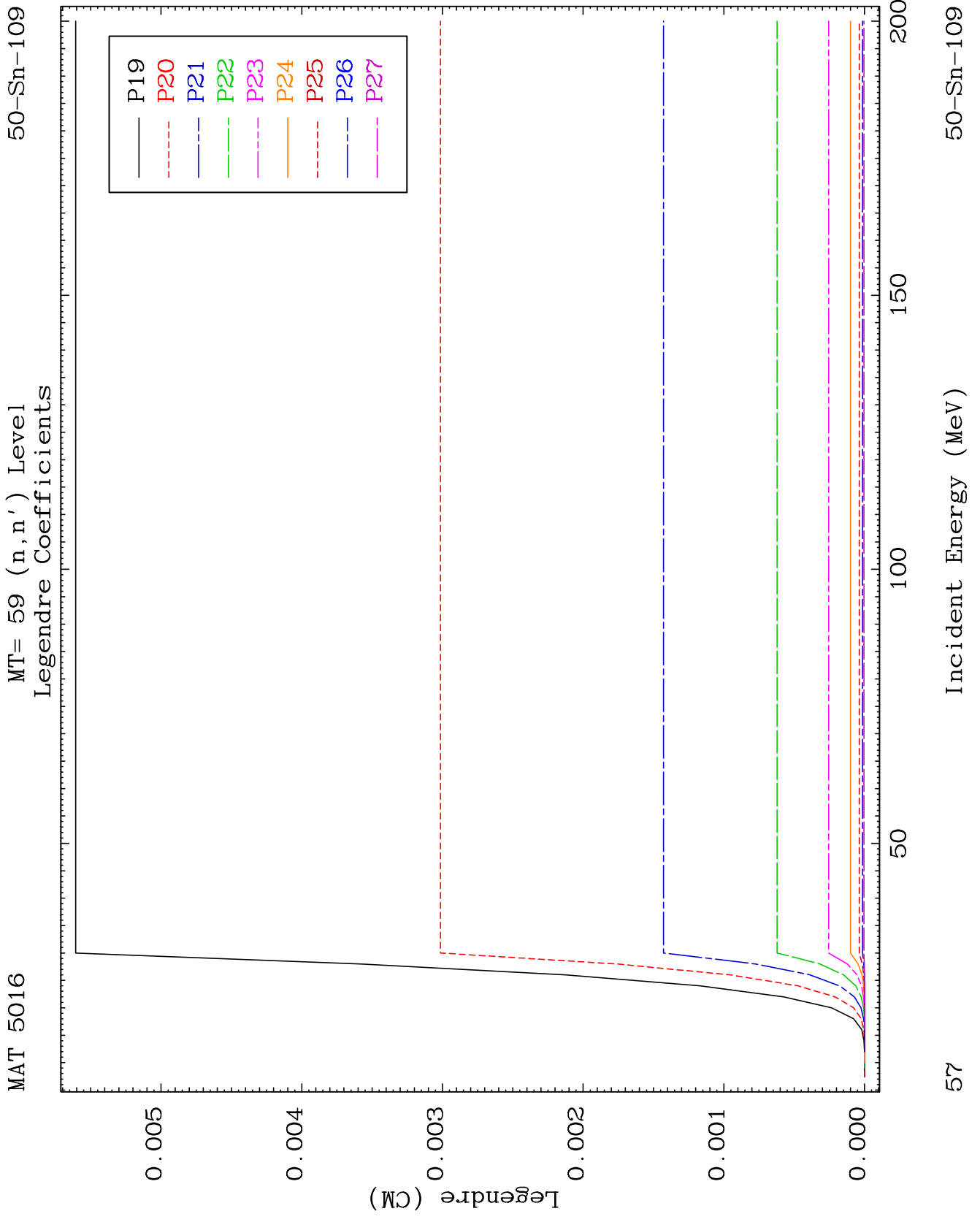


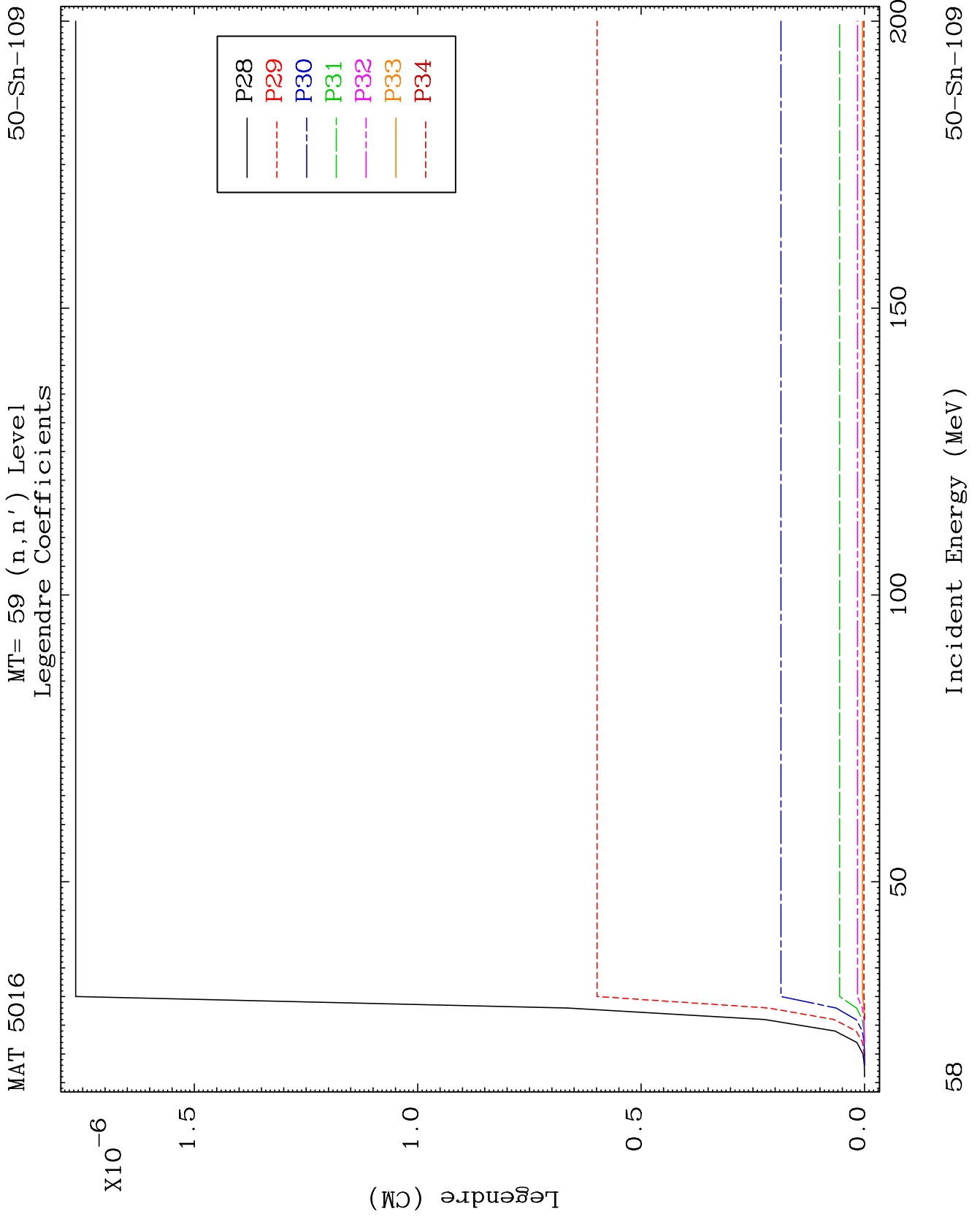


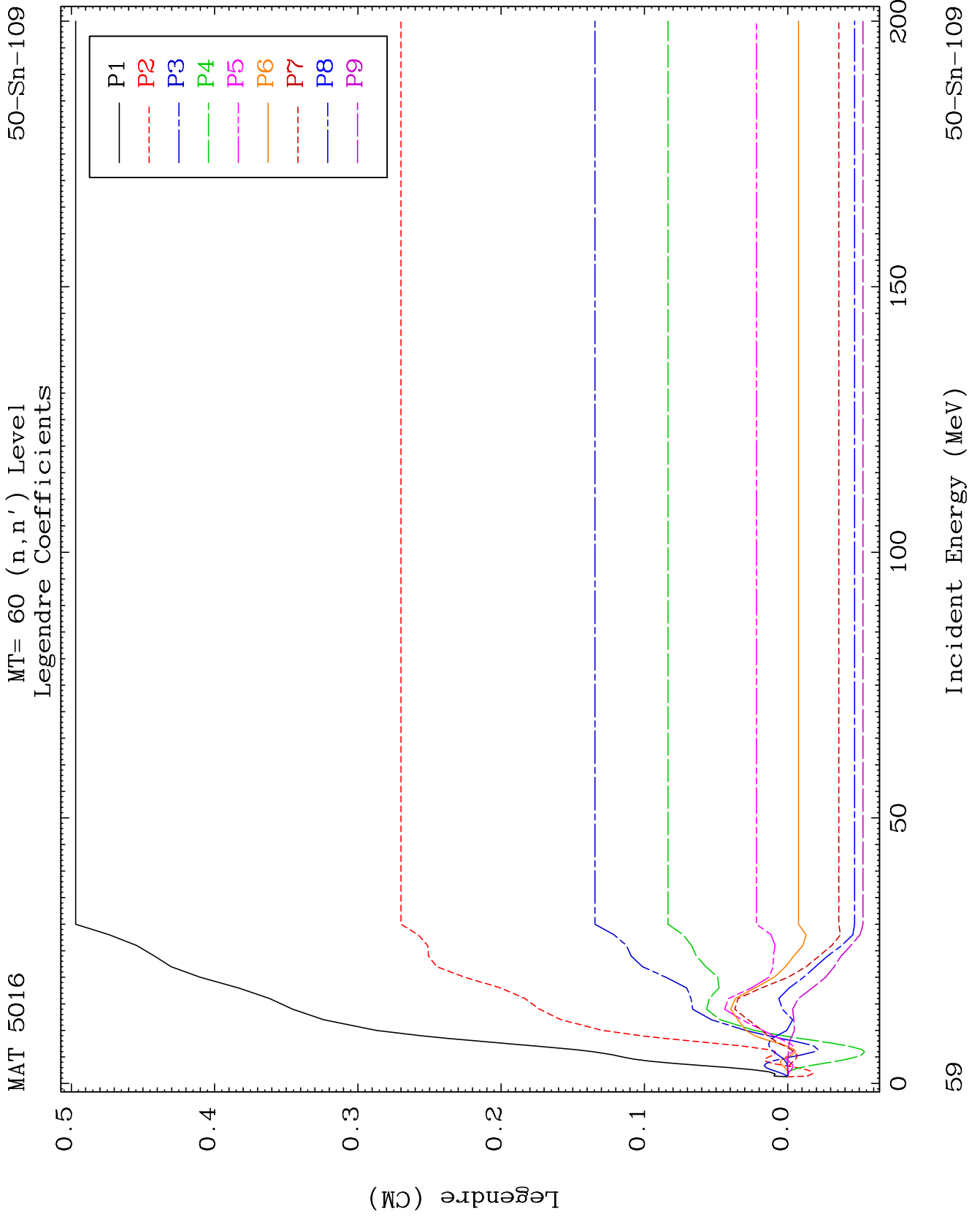


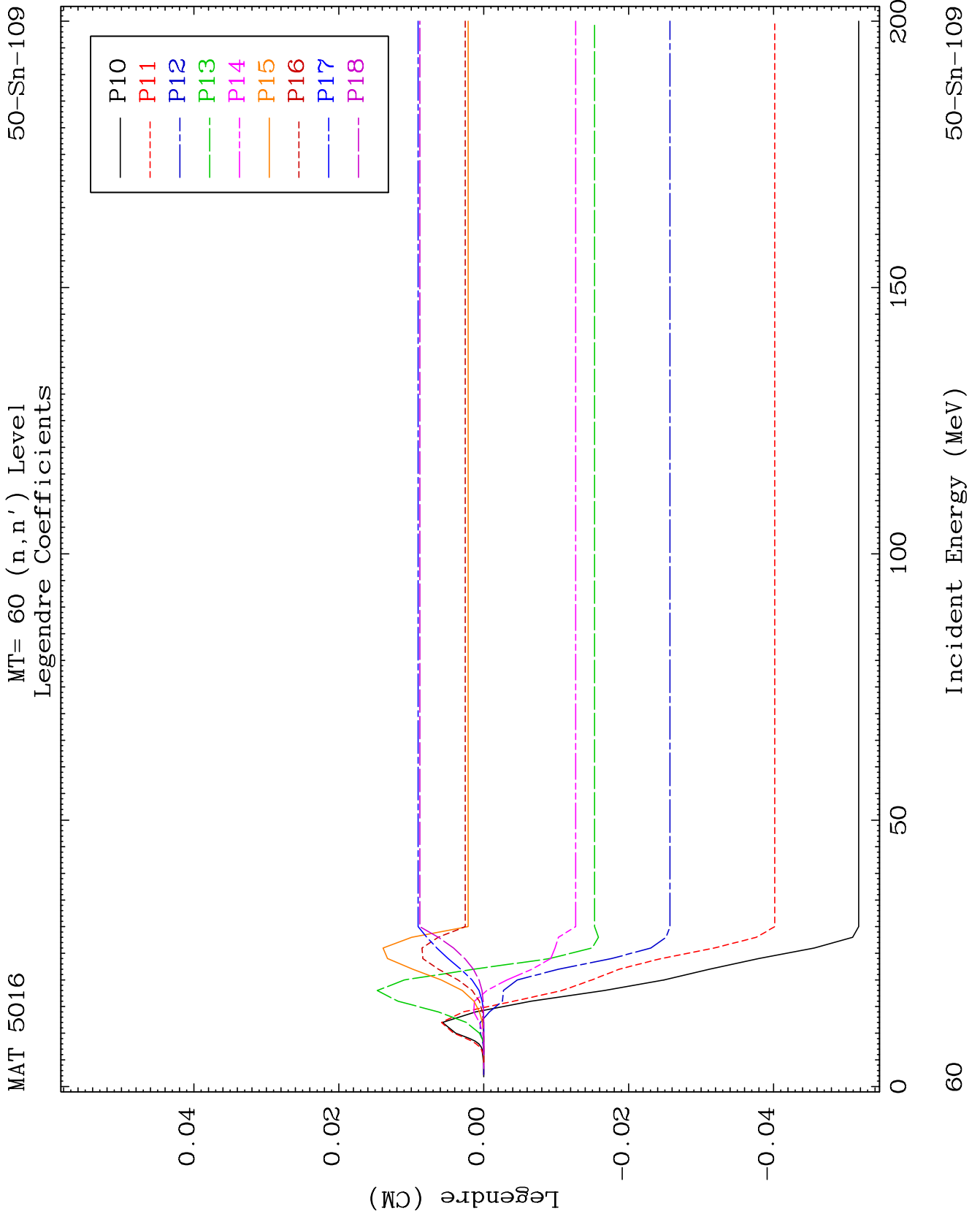


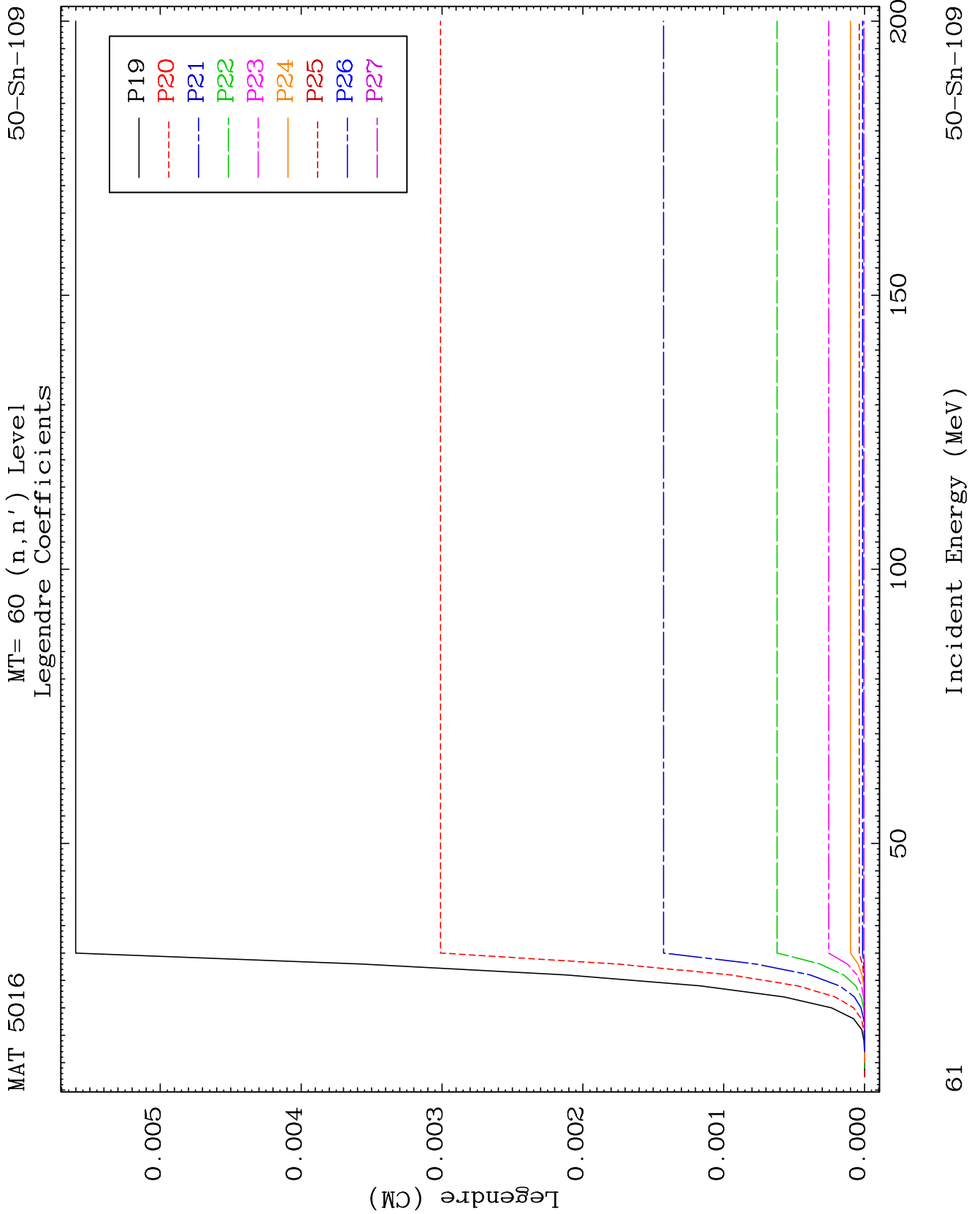


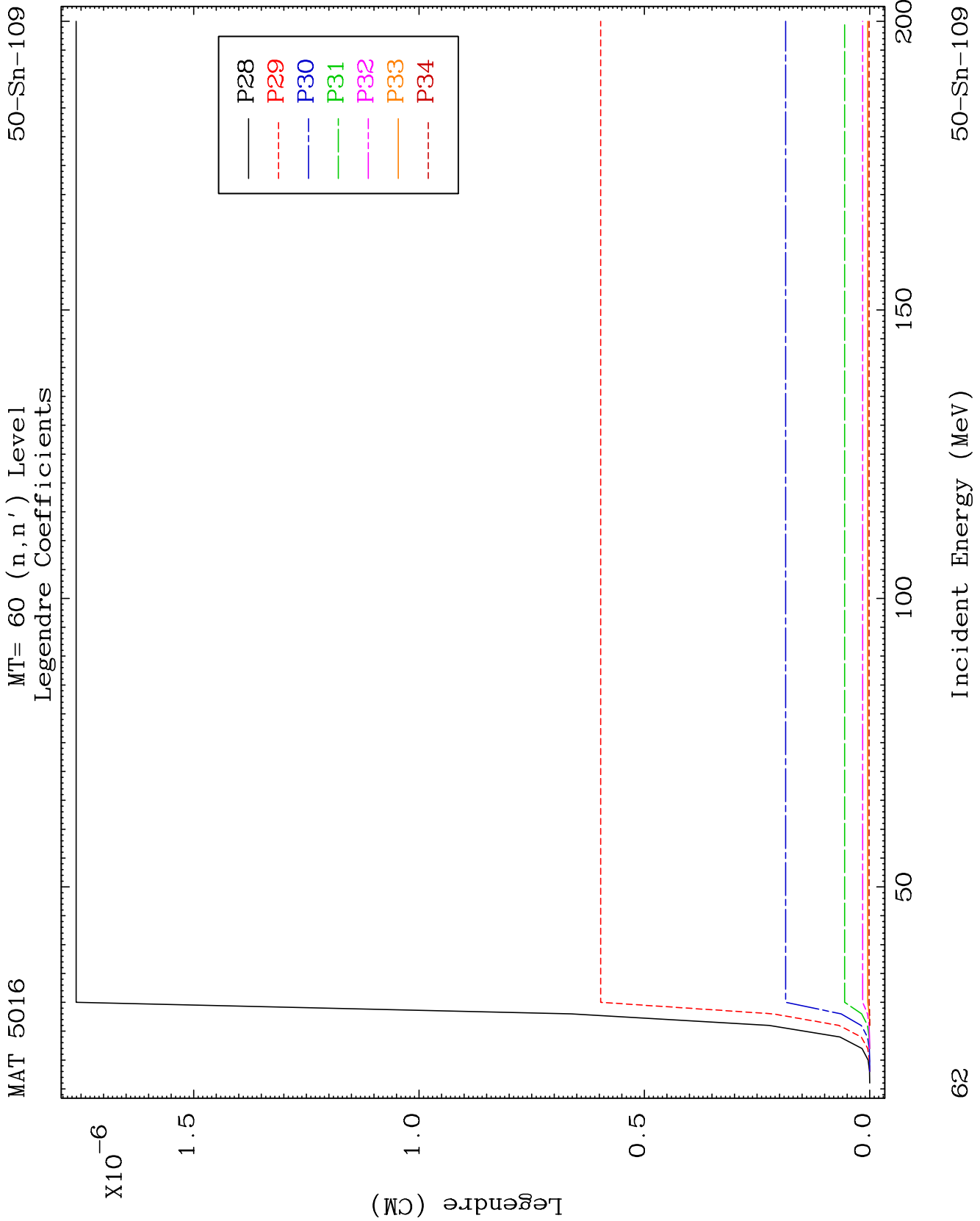


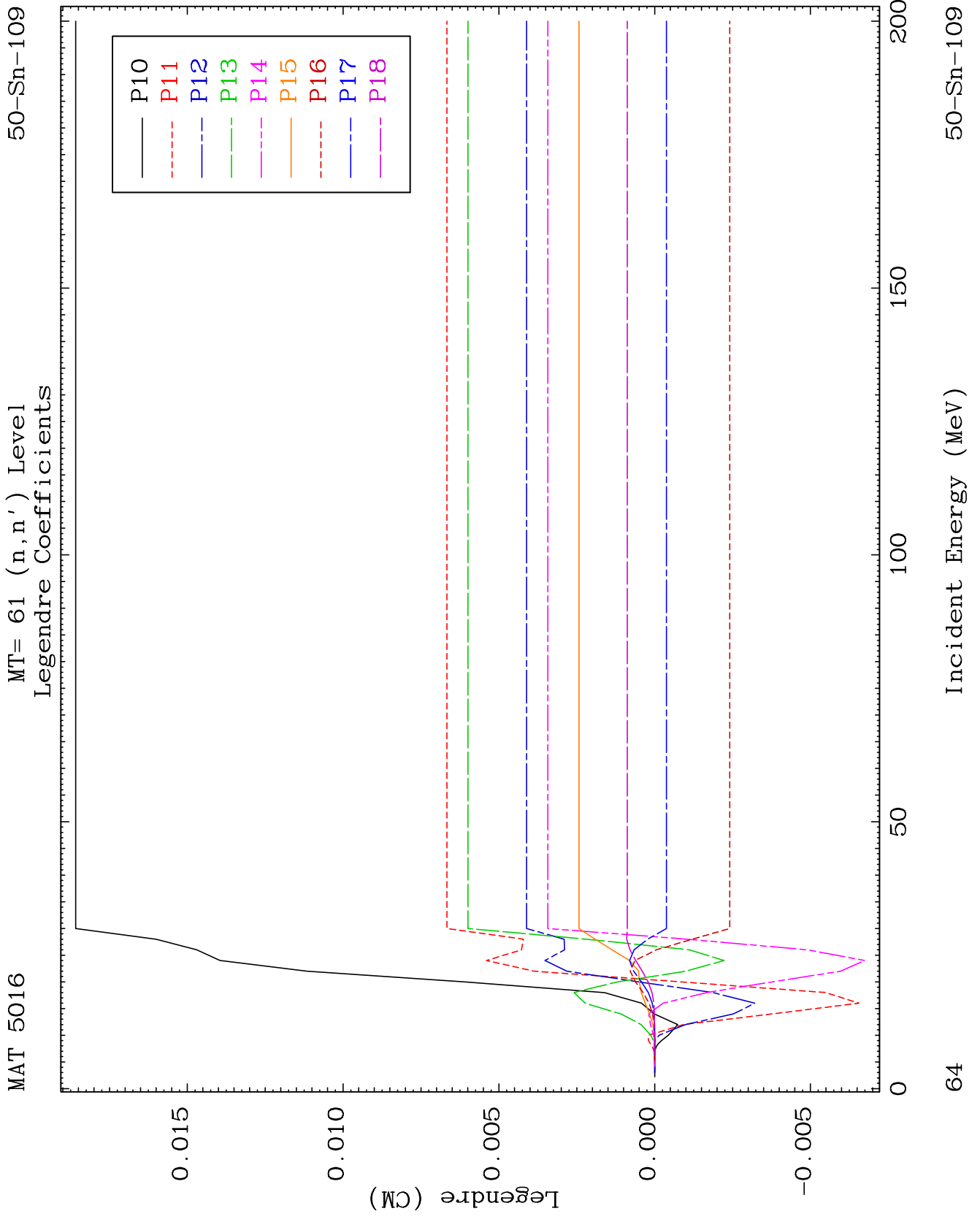








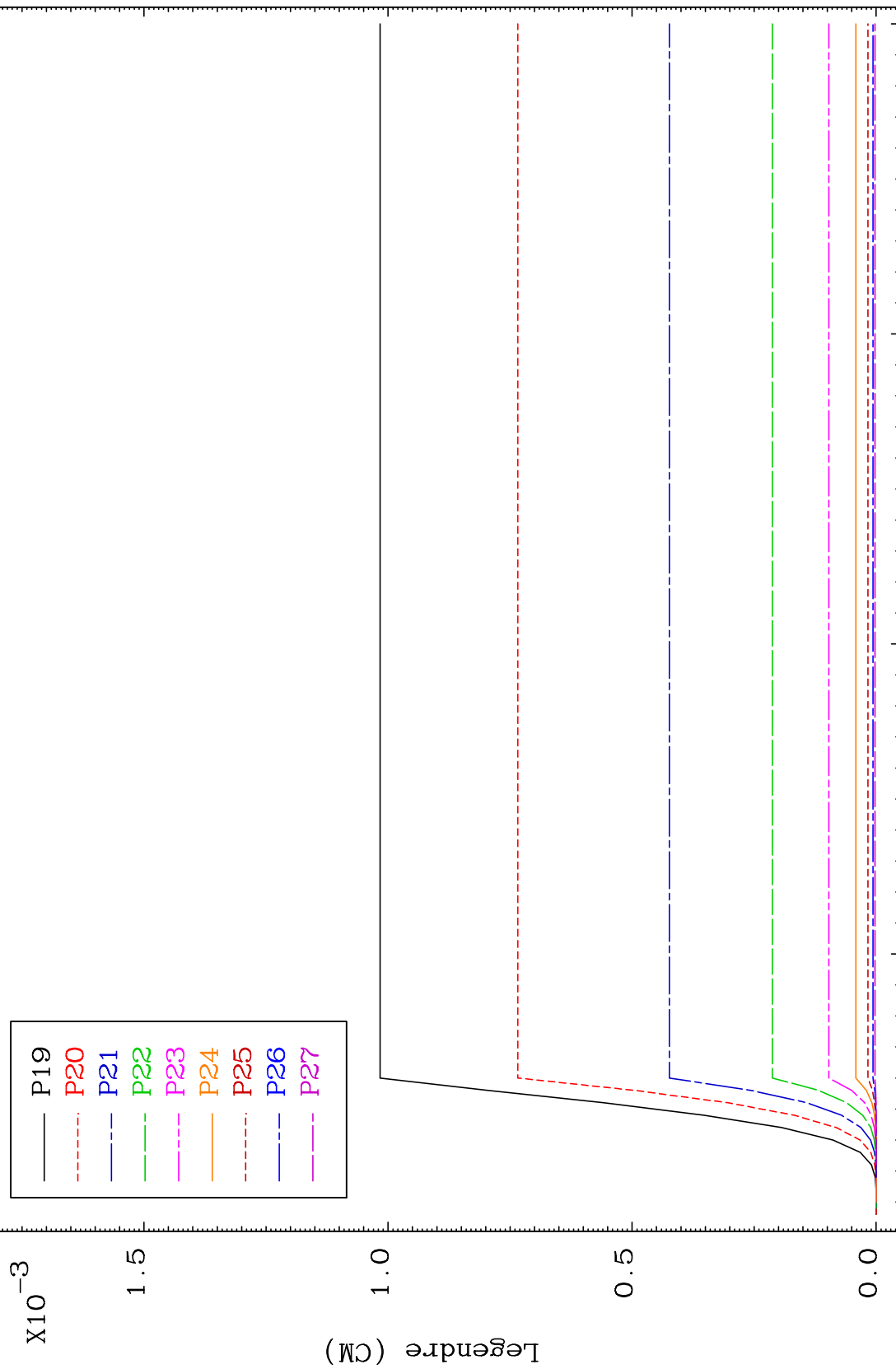
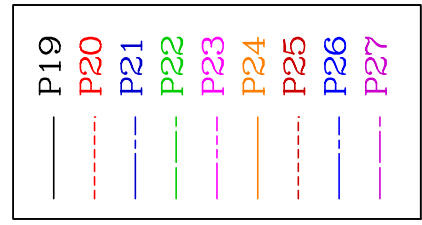




MAT 5016

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

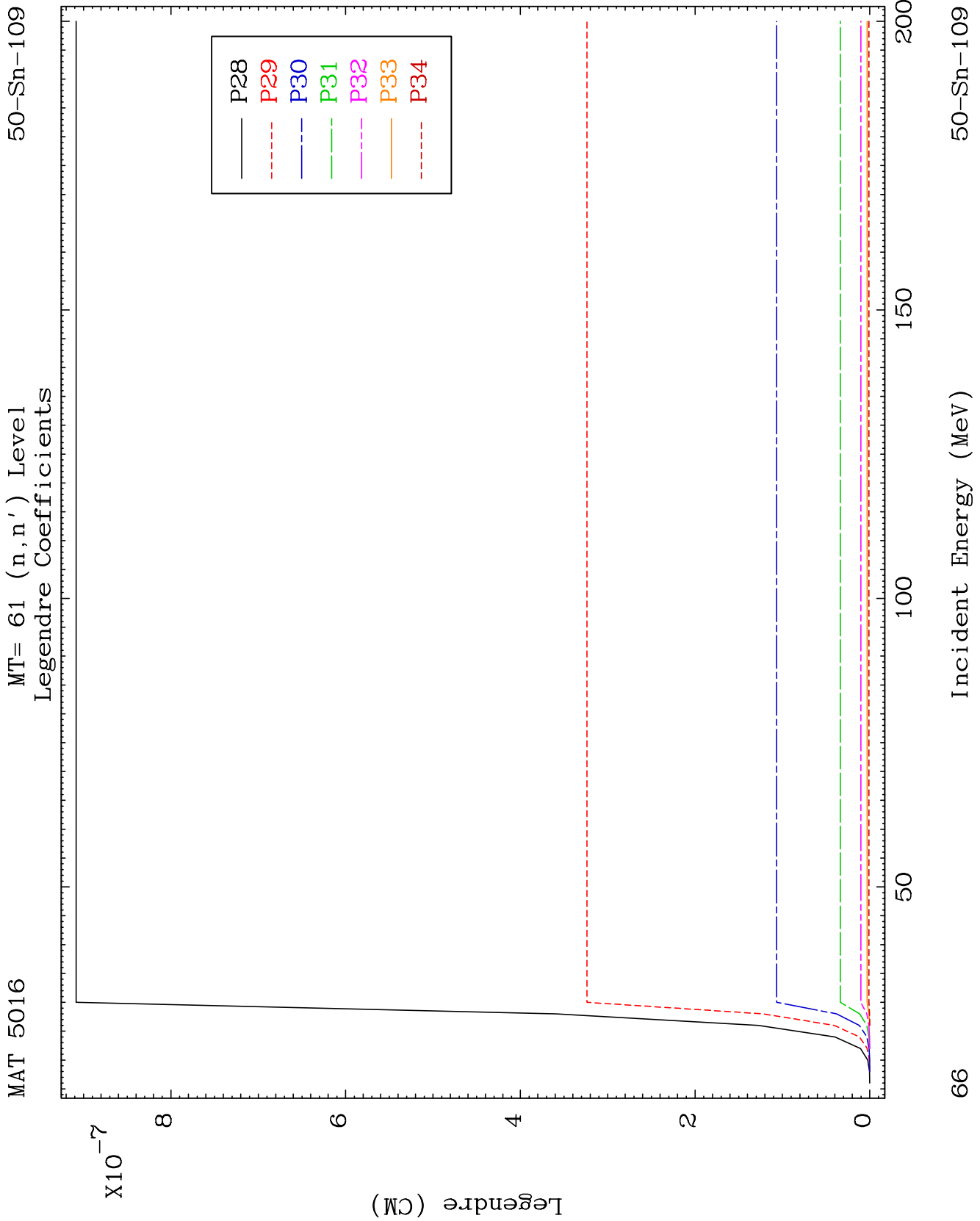
50-Sn-109

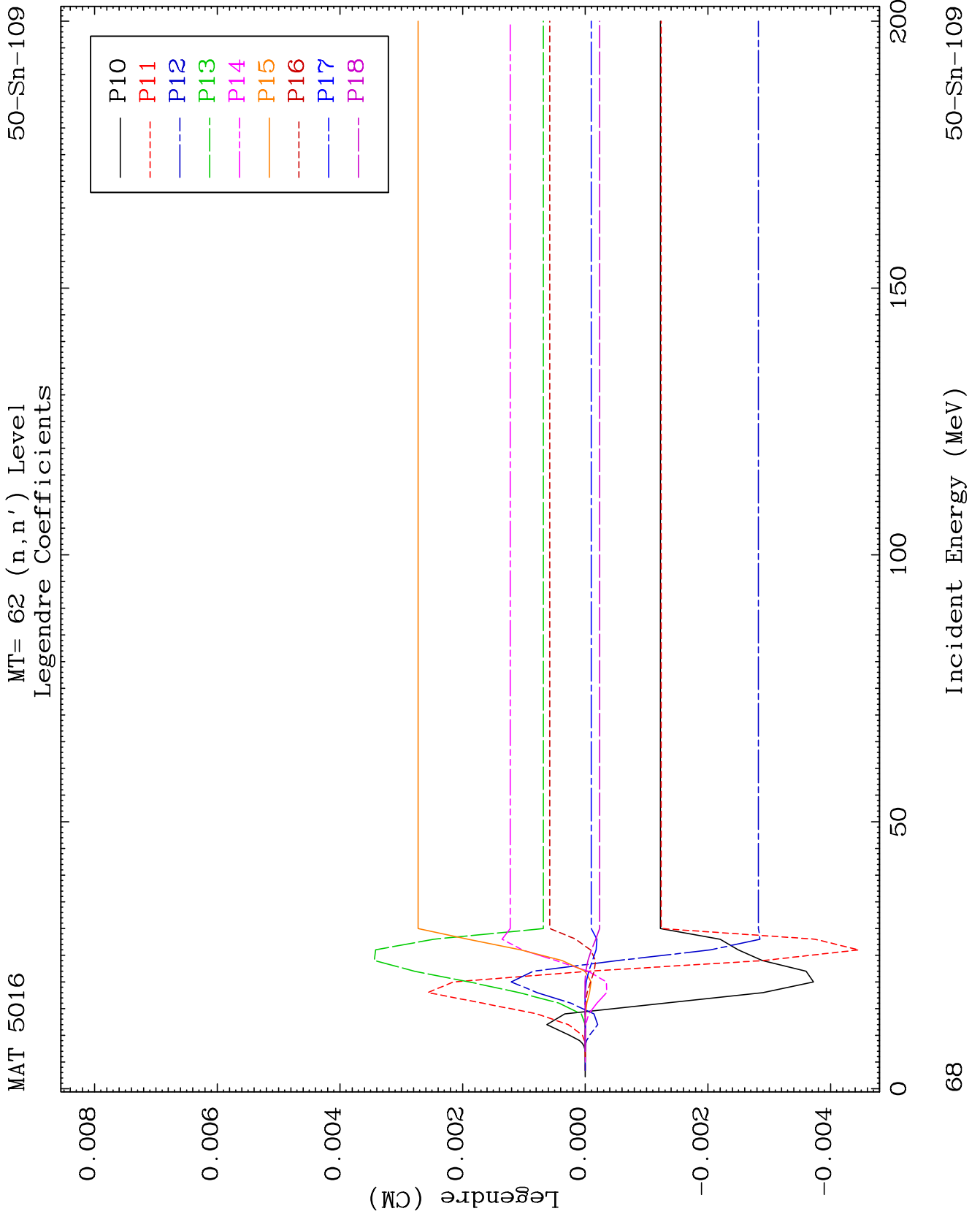


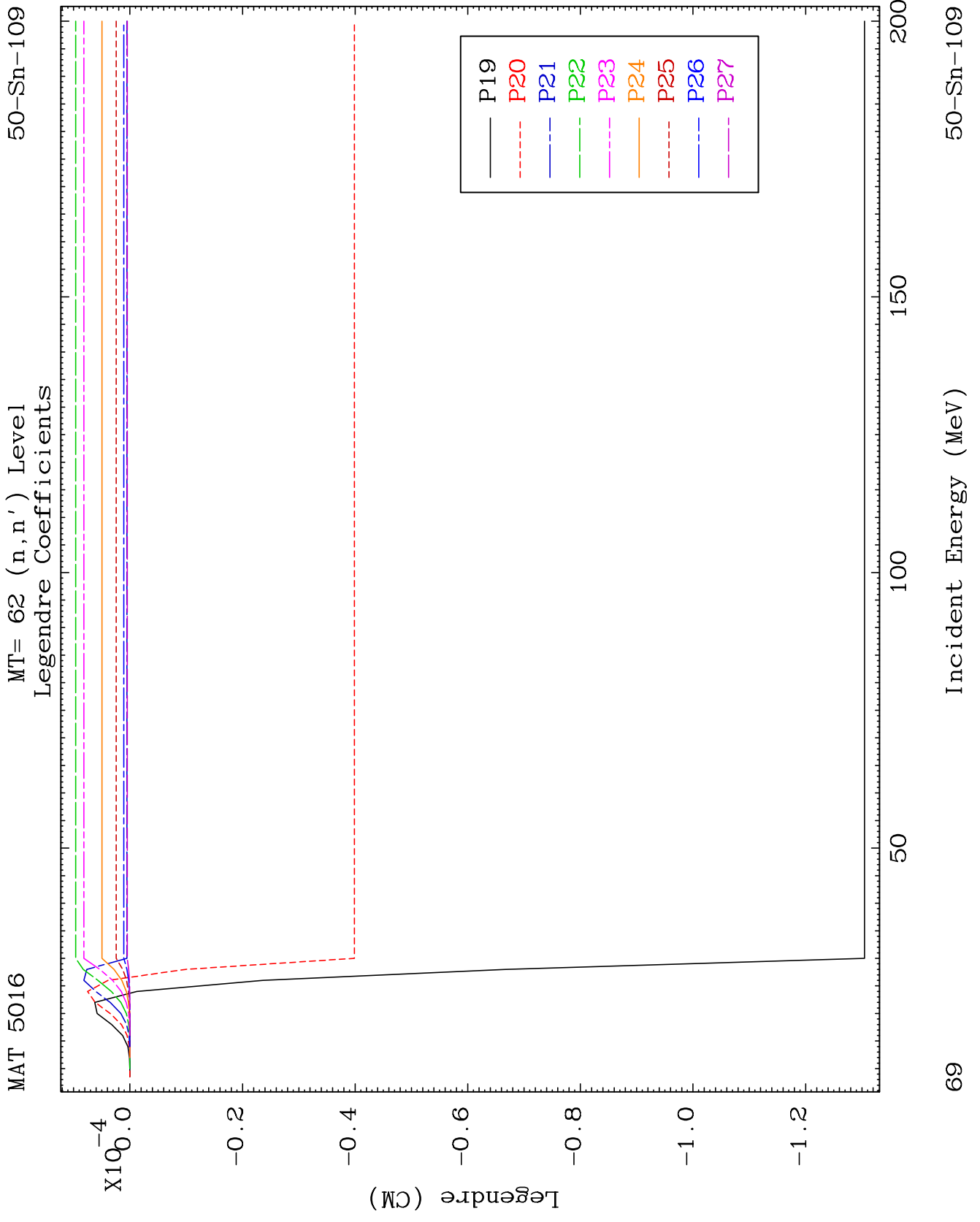
65

Incident Energy (MeV)

50-Sn-109



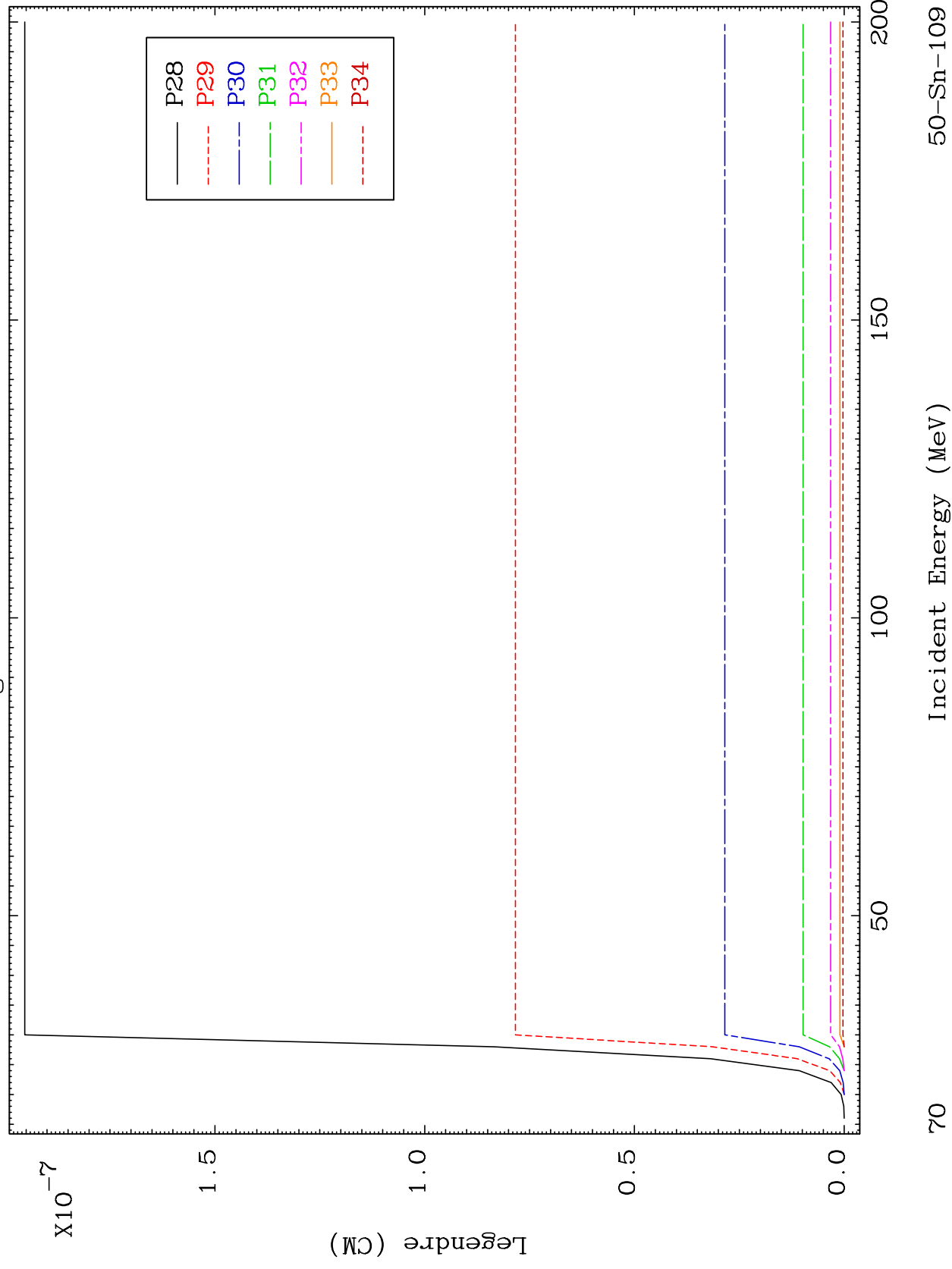




MAT 5016

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

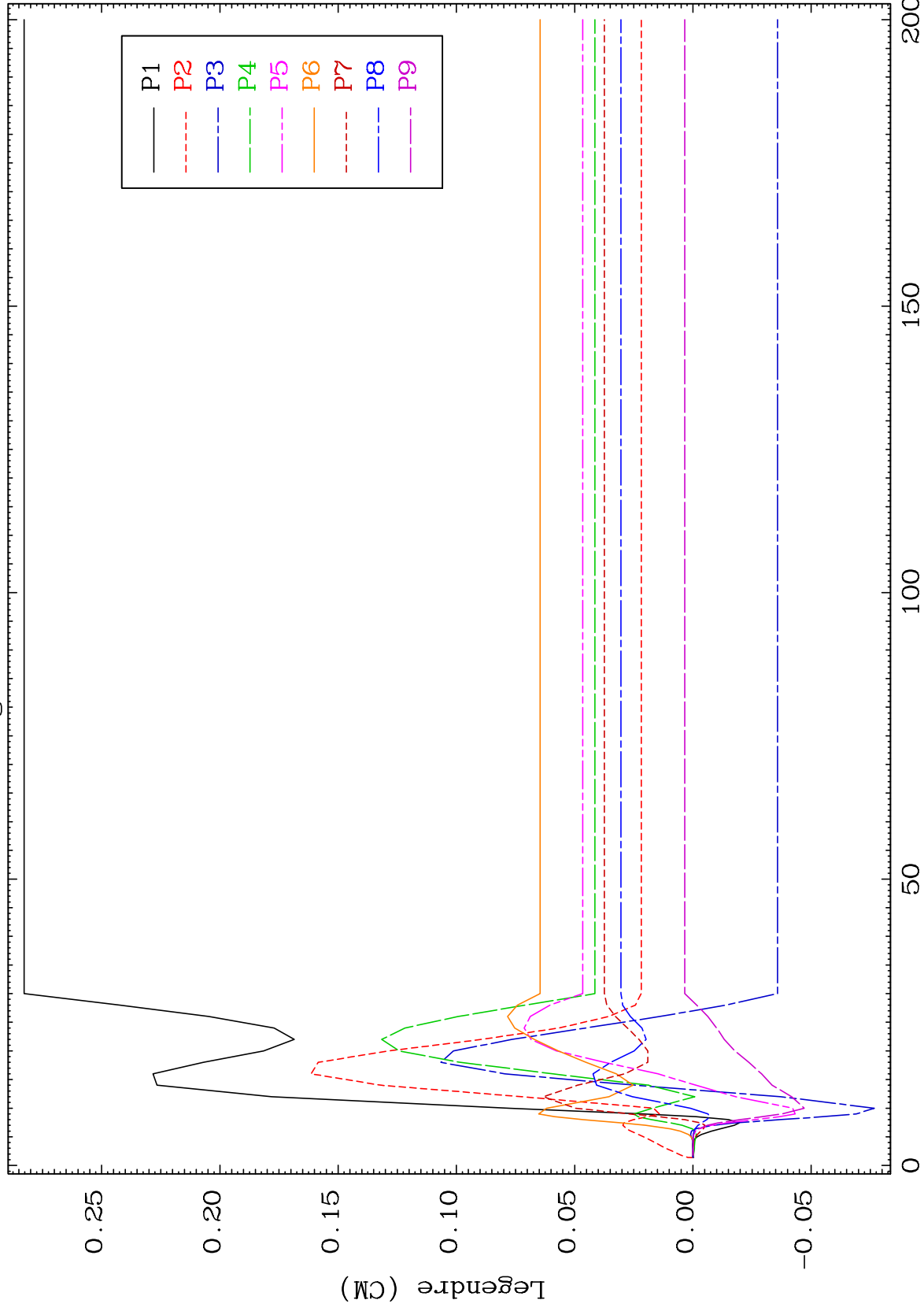
50-Sn-109



MAT 5016

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

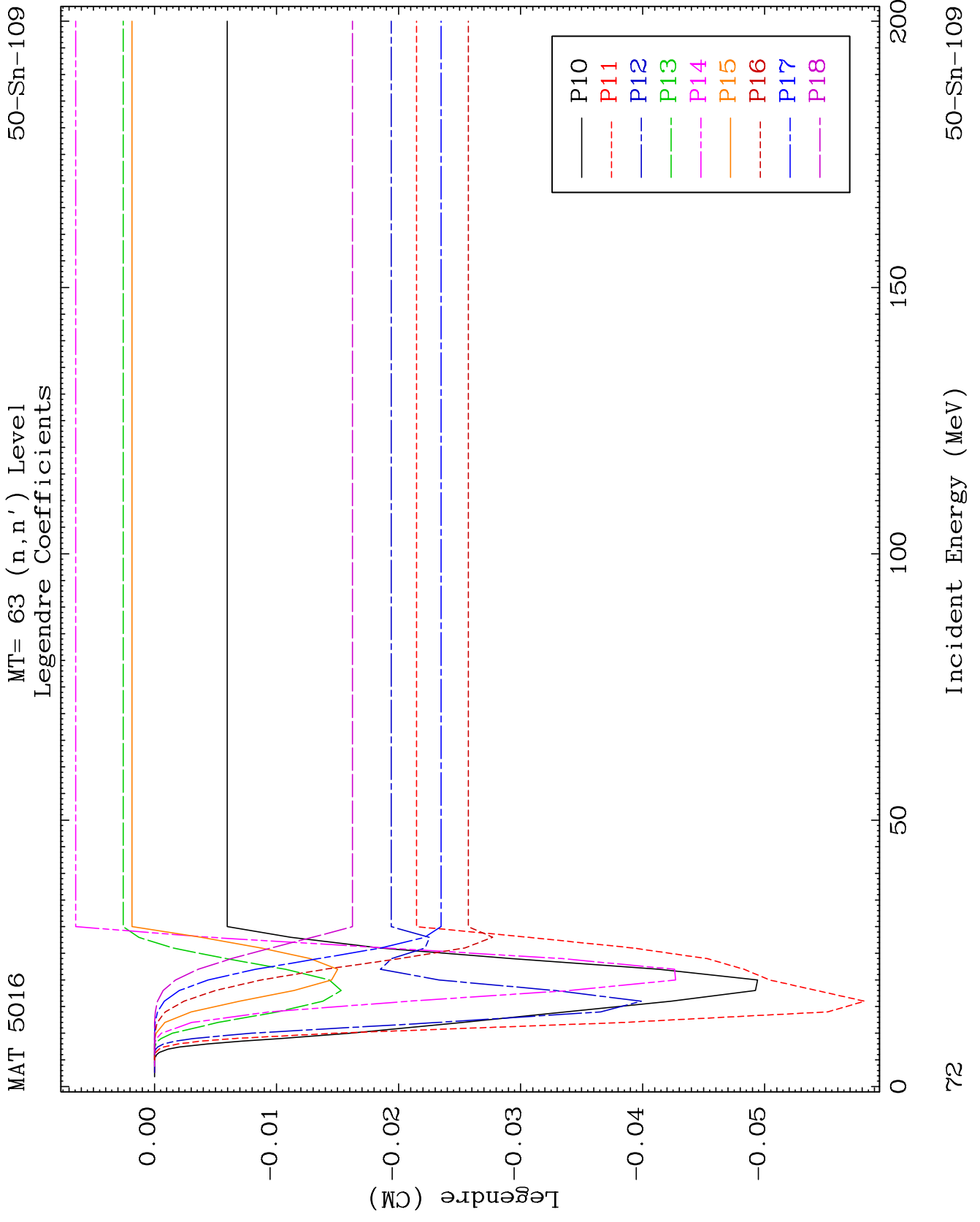
50-Sn-109

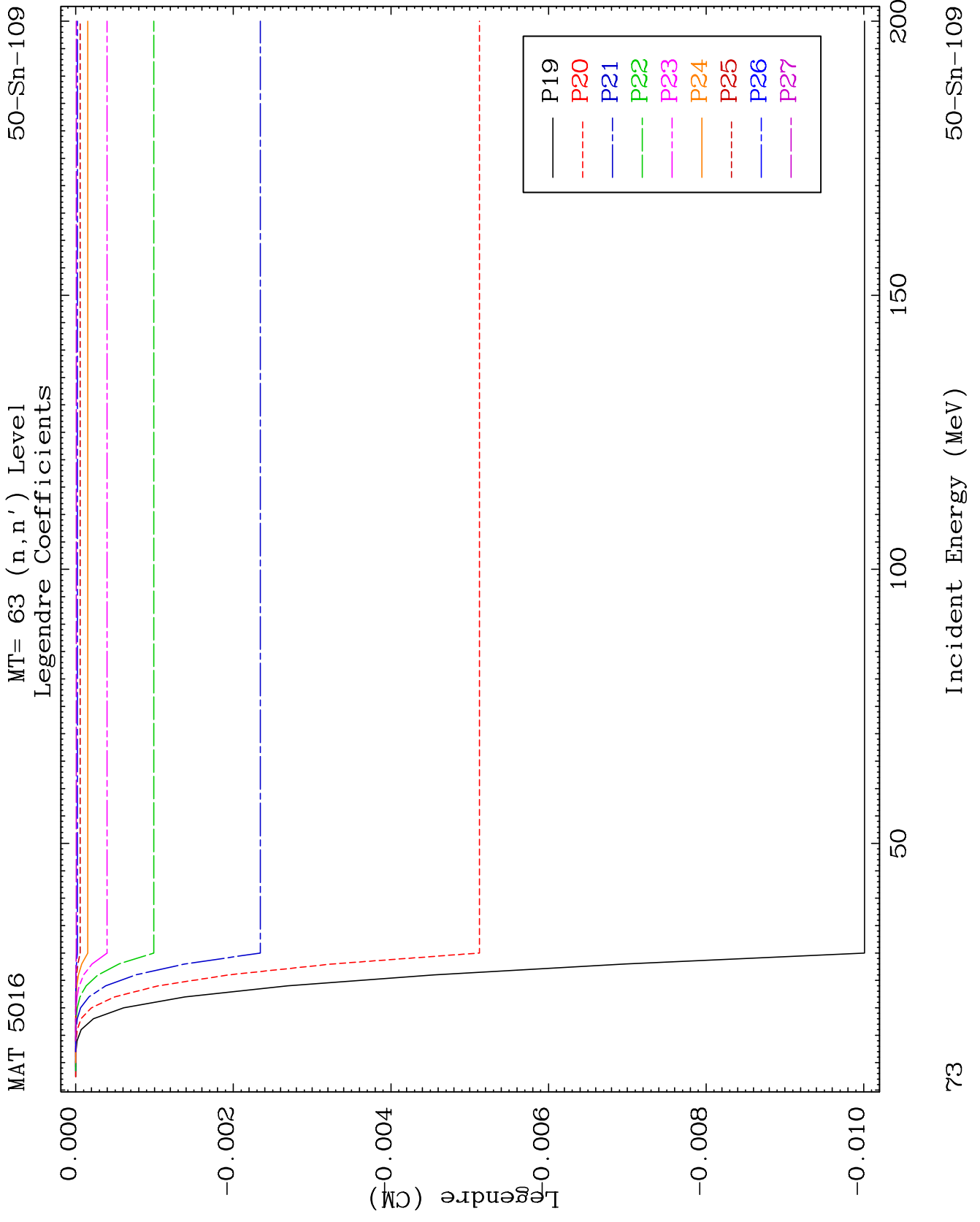


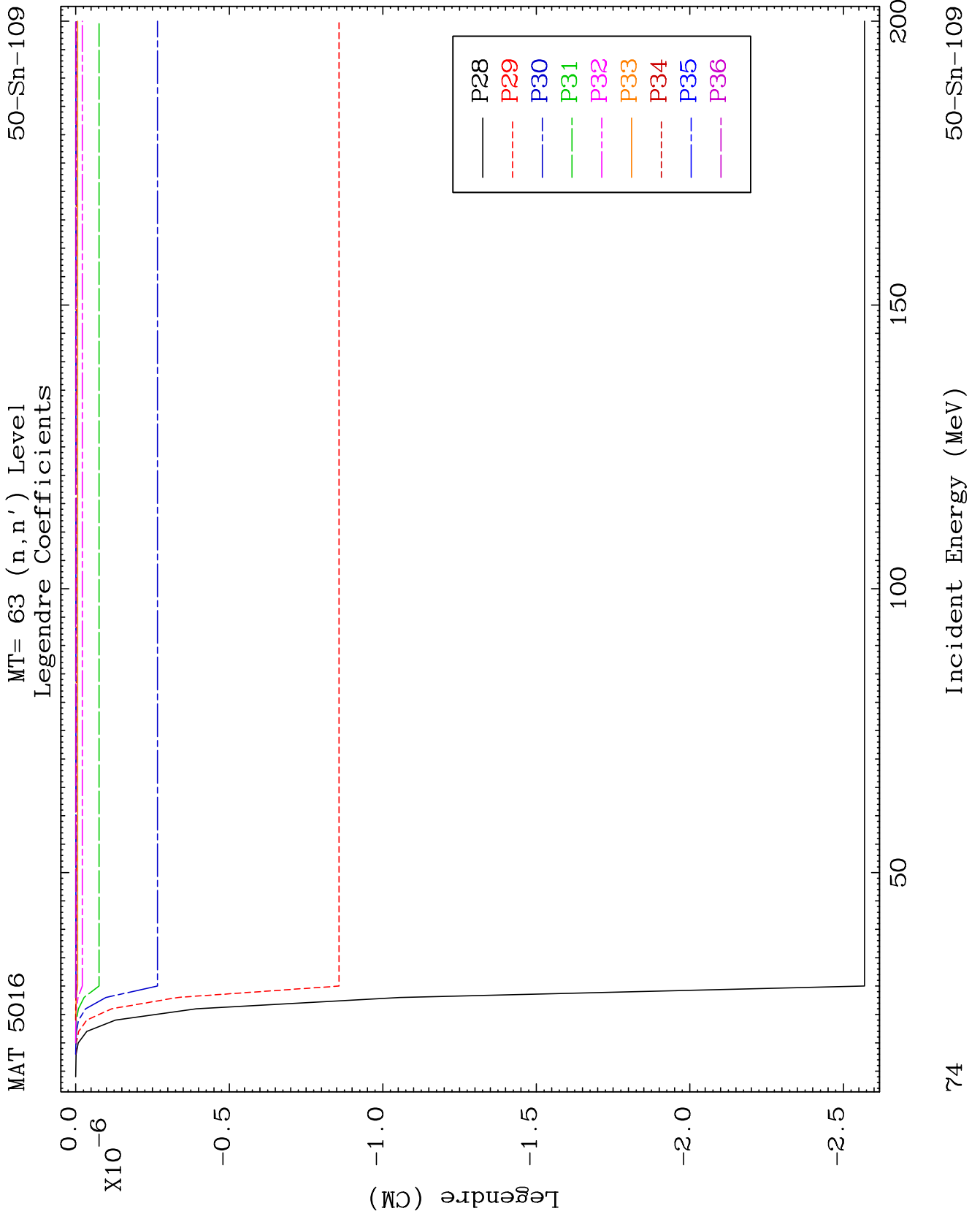
71

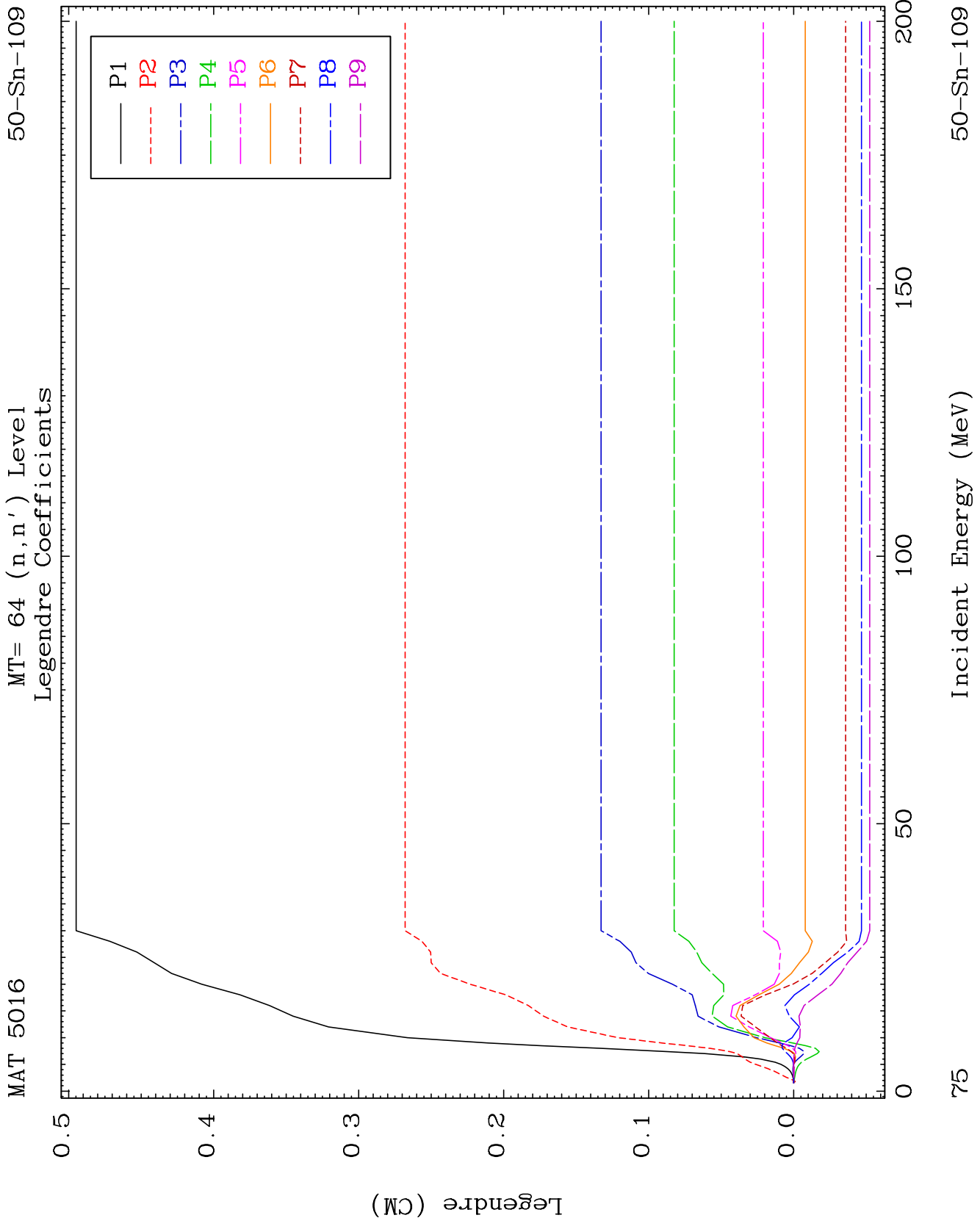
Incident Energy (MeV)

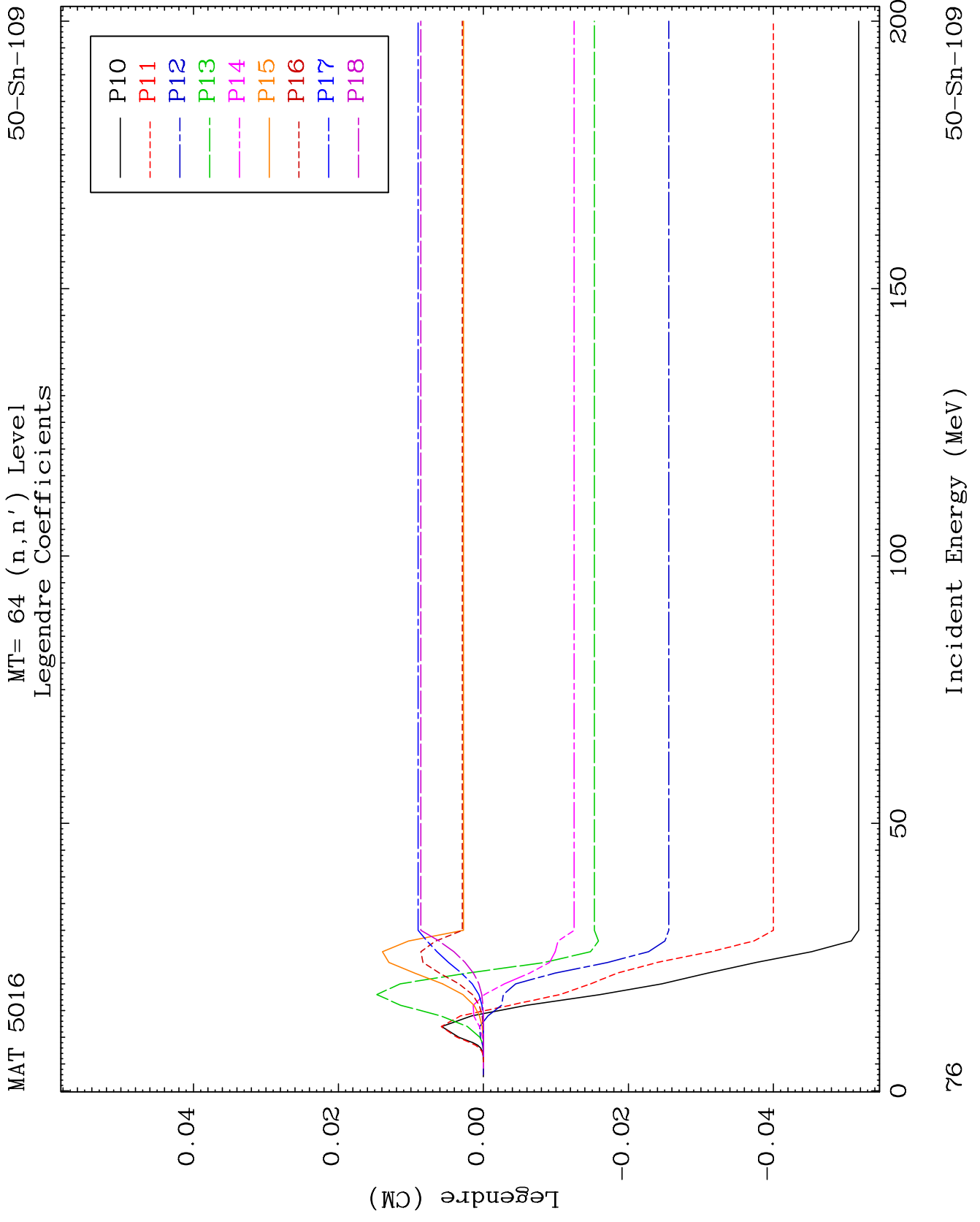
50-Sn-109

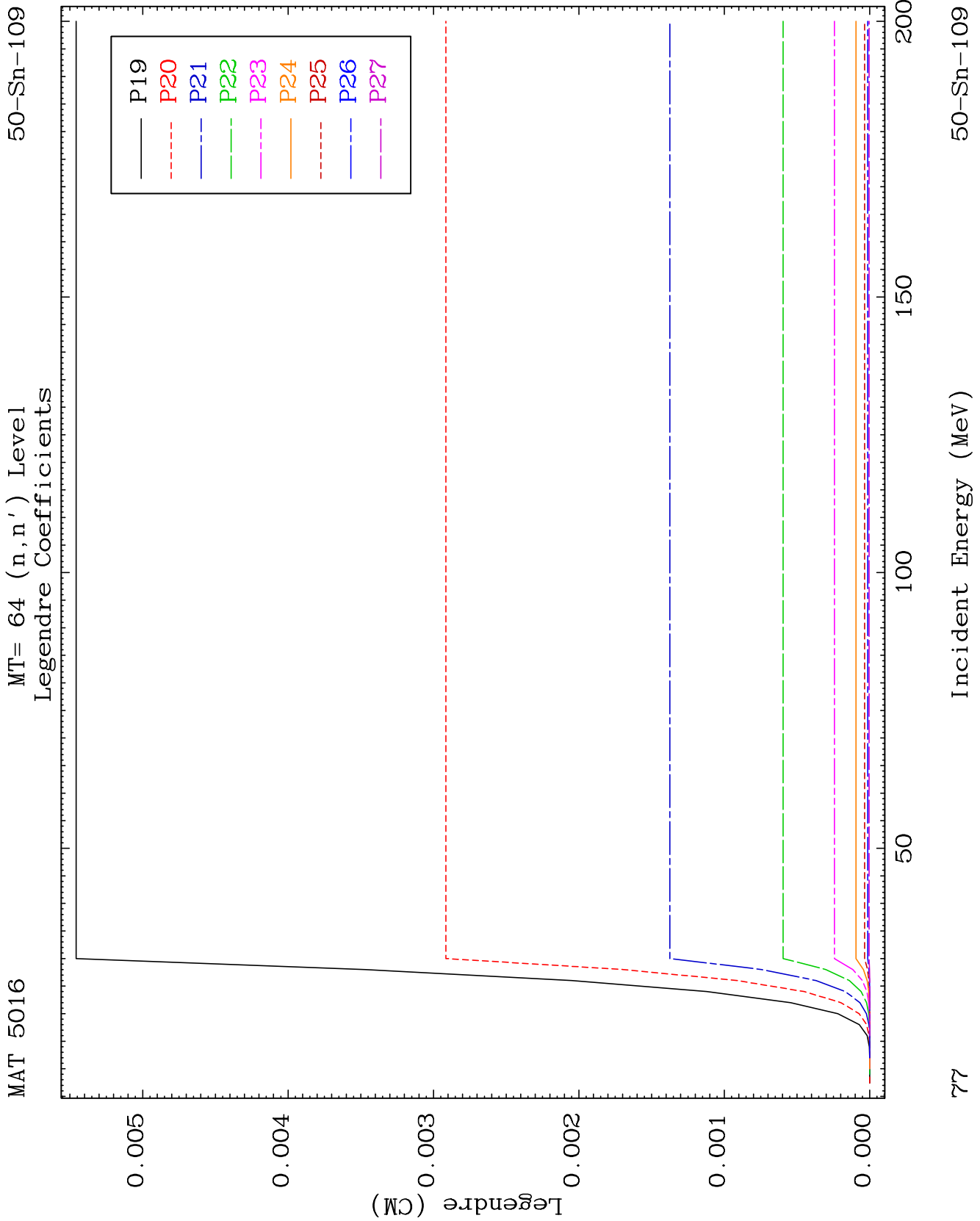


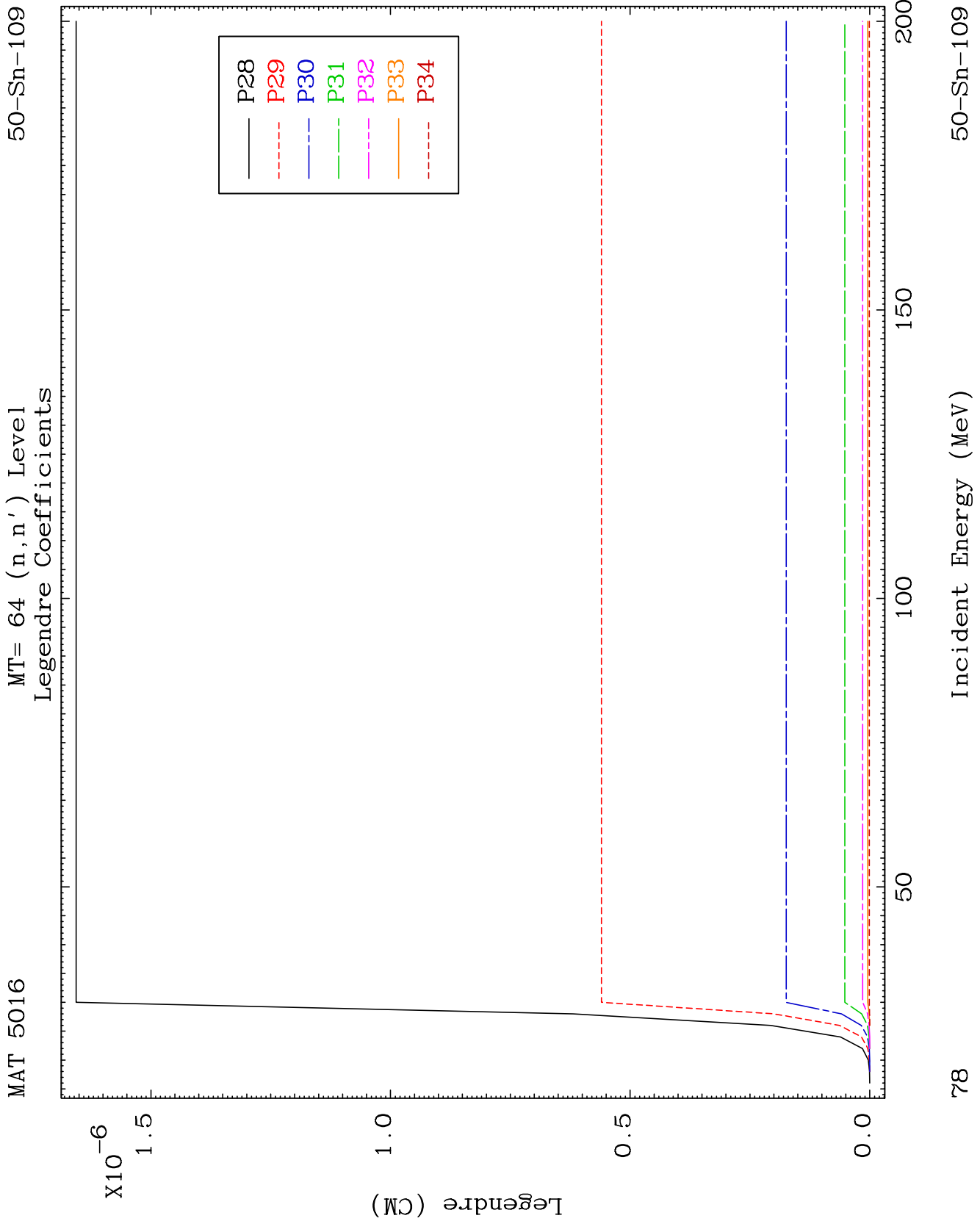


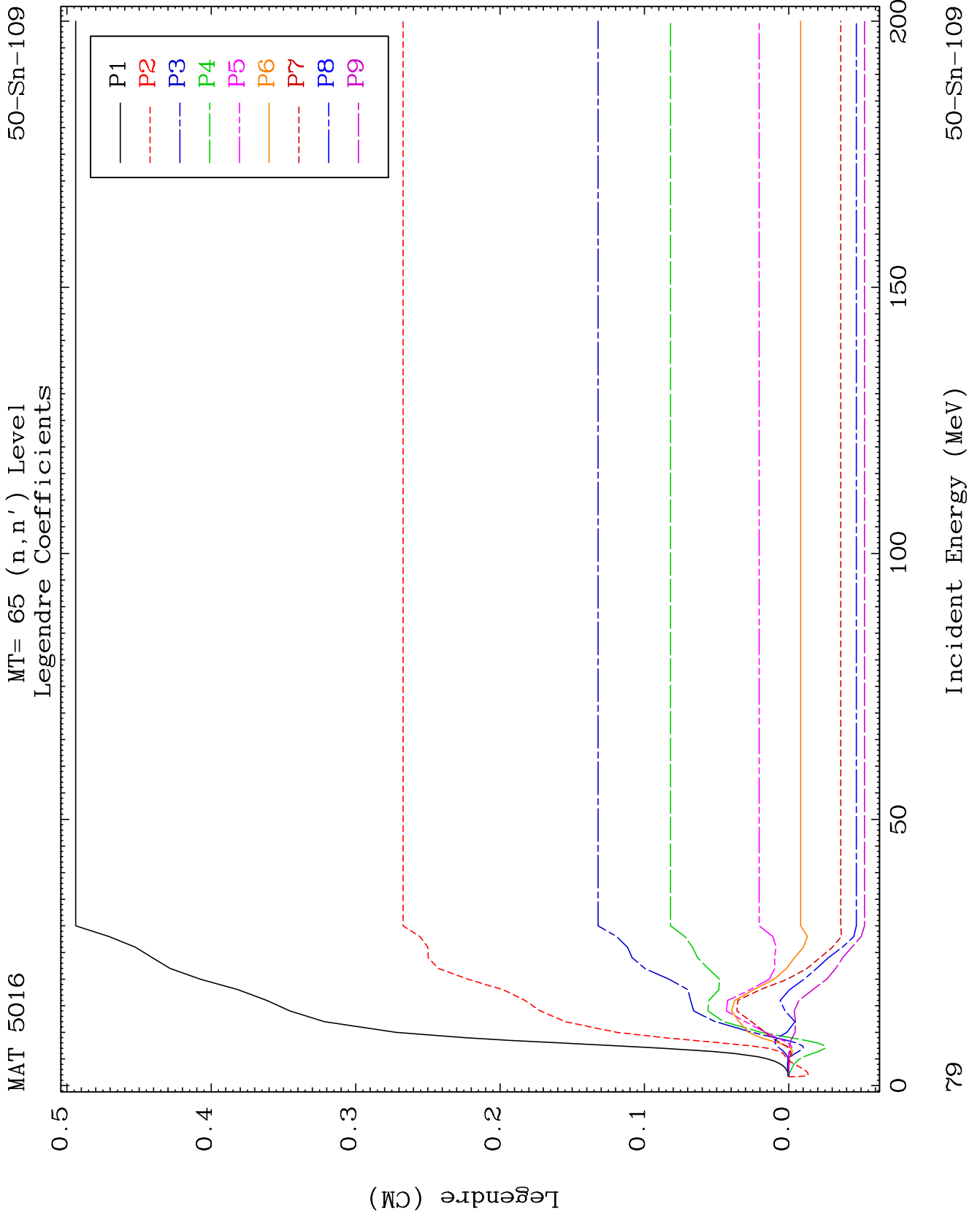


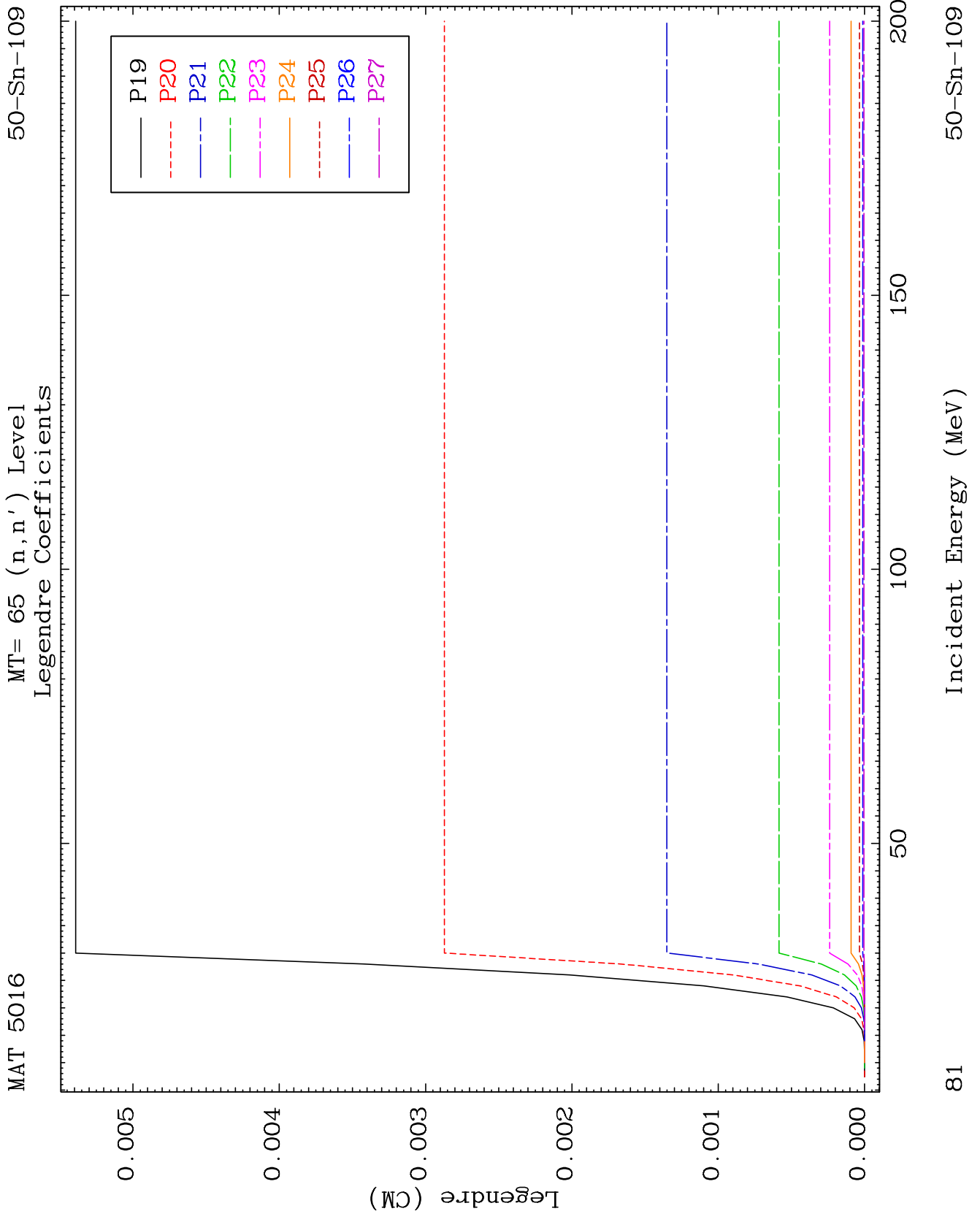


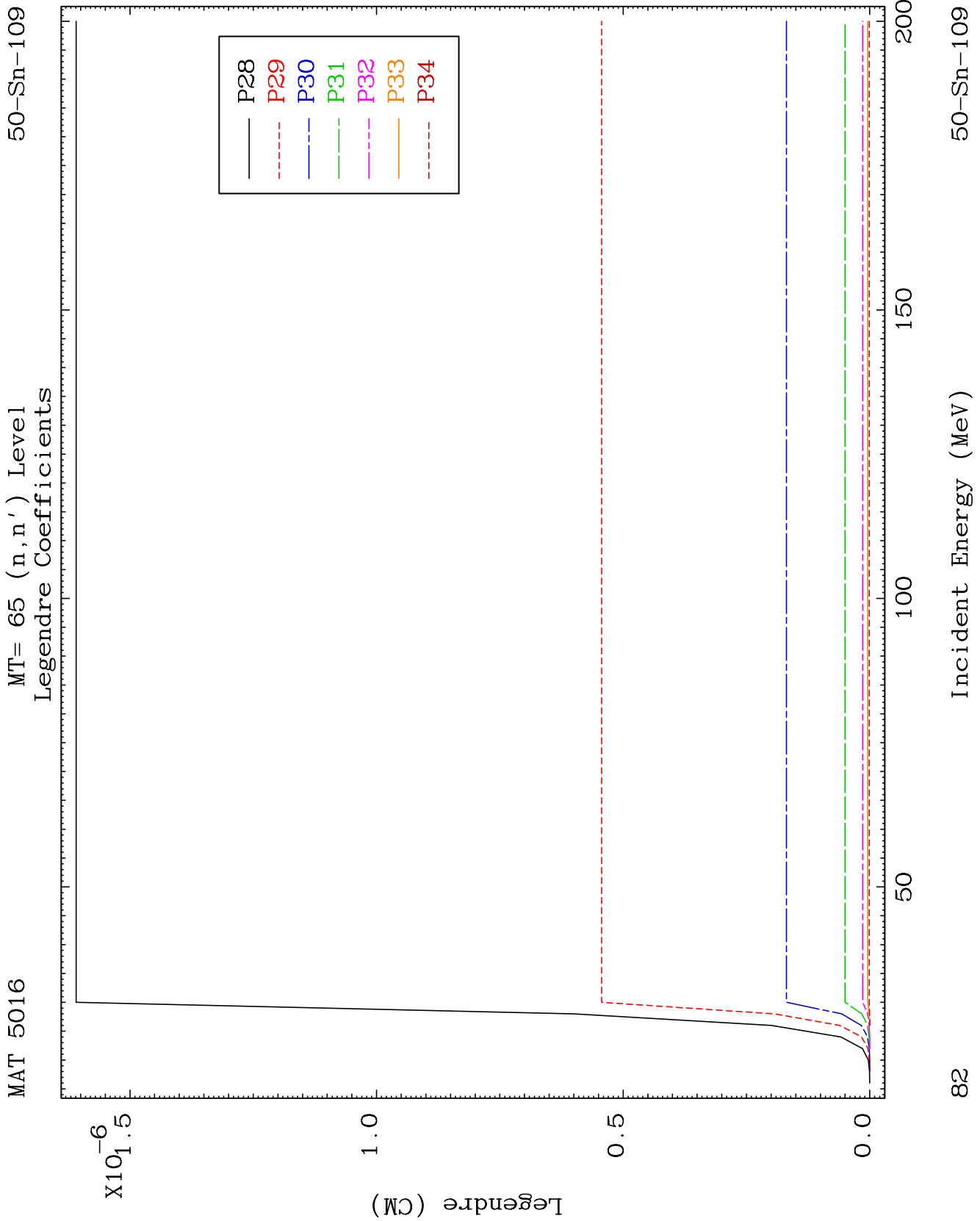


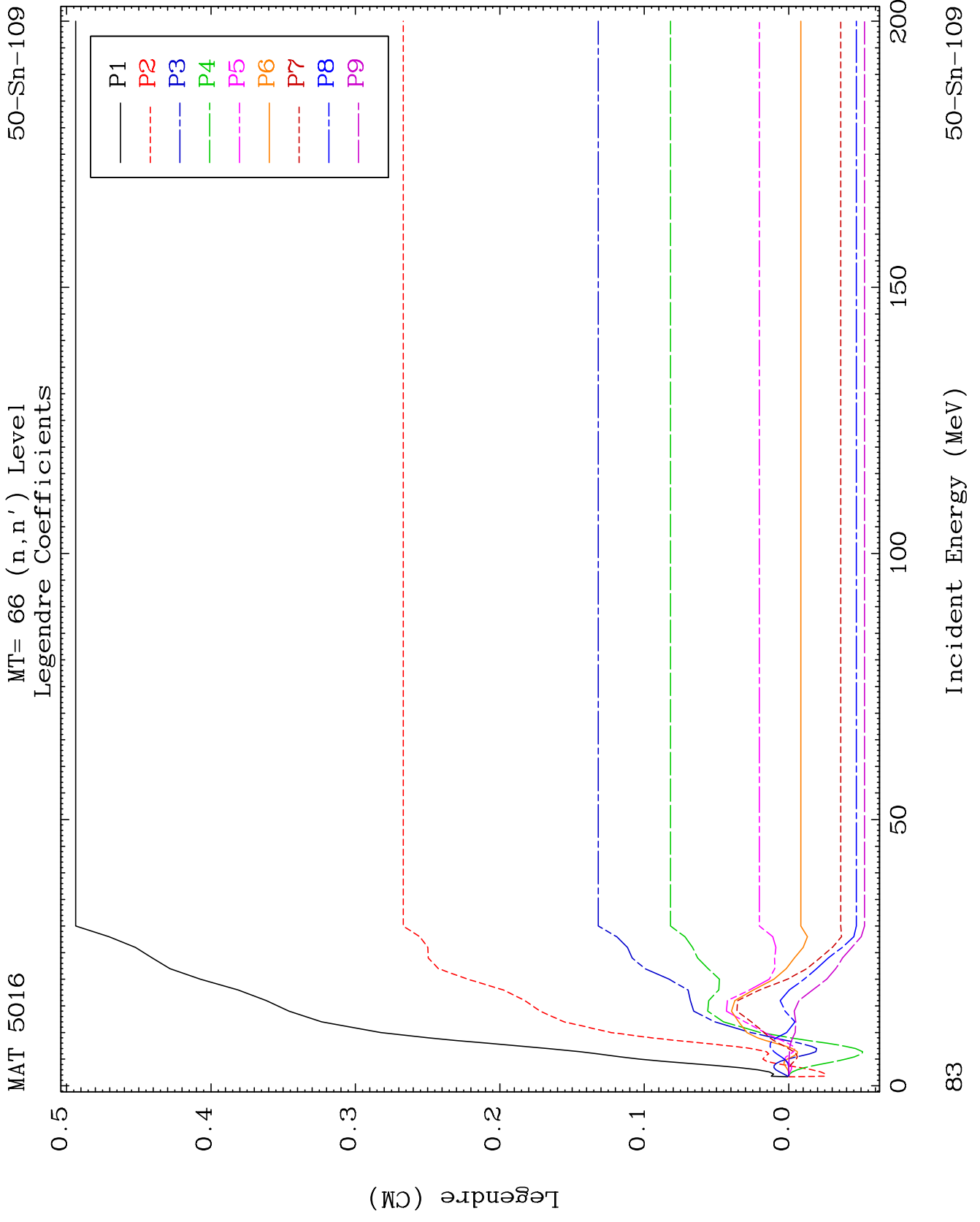


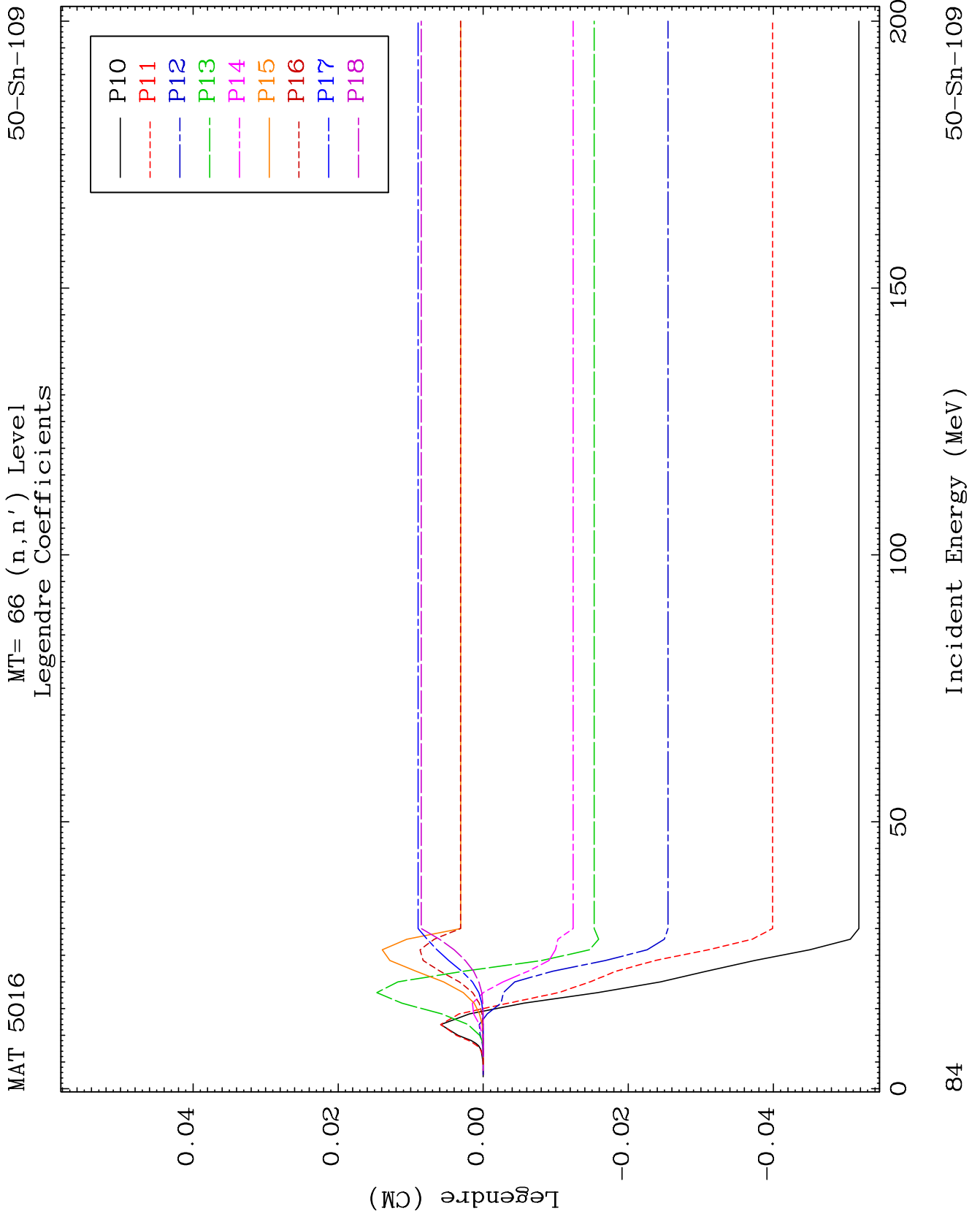


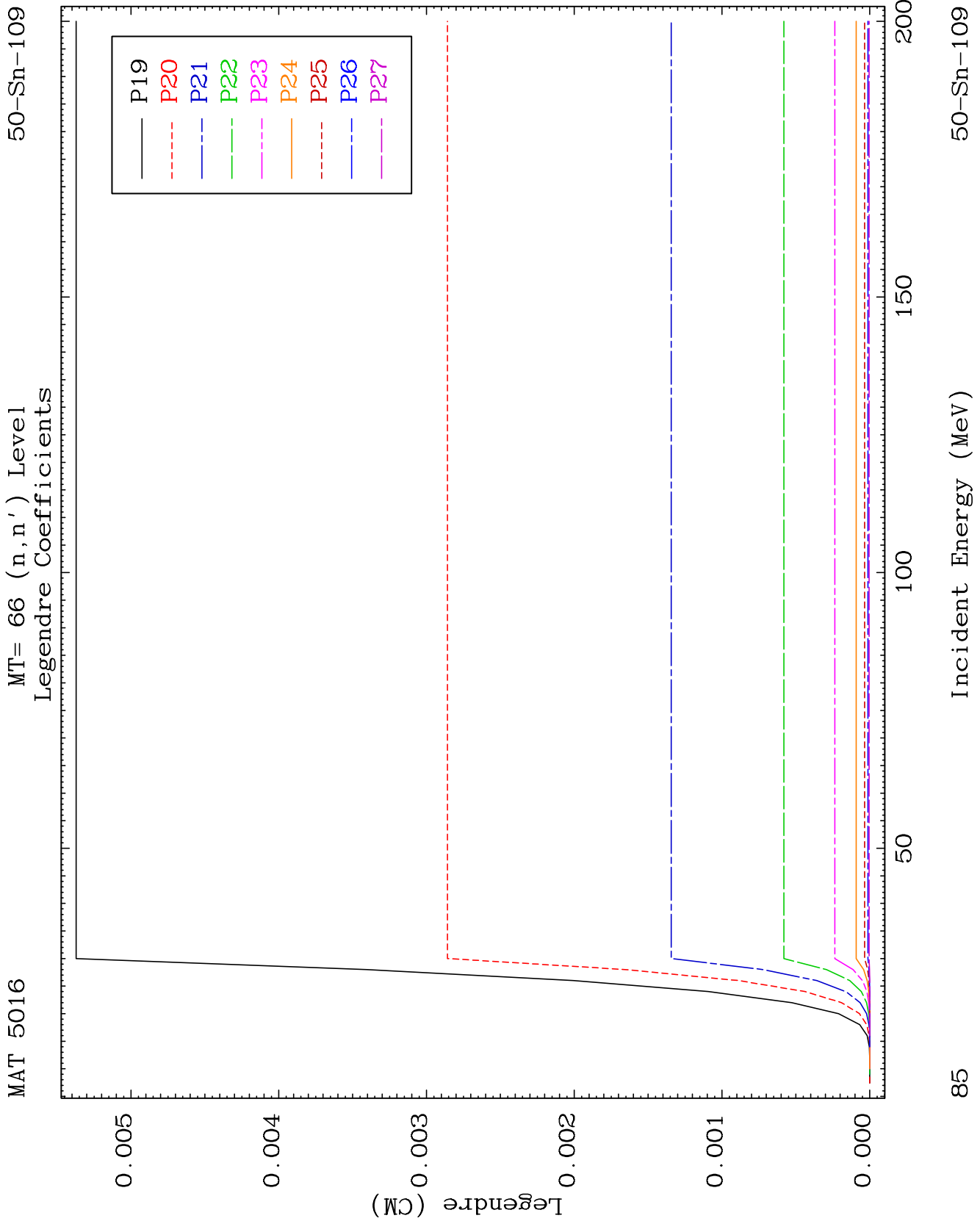


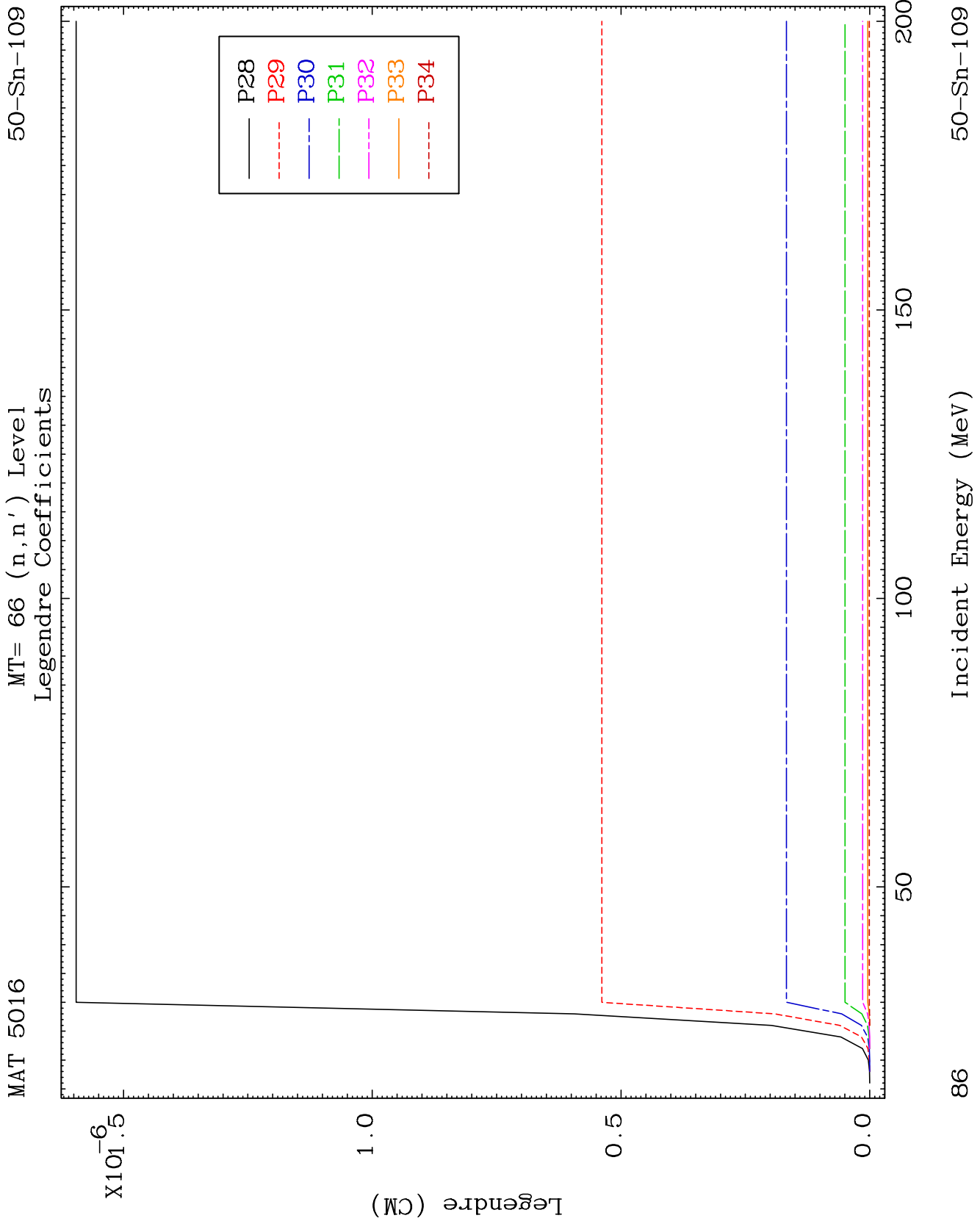


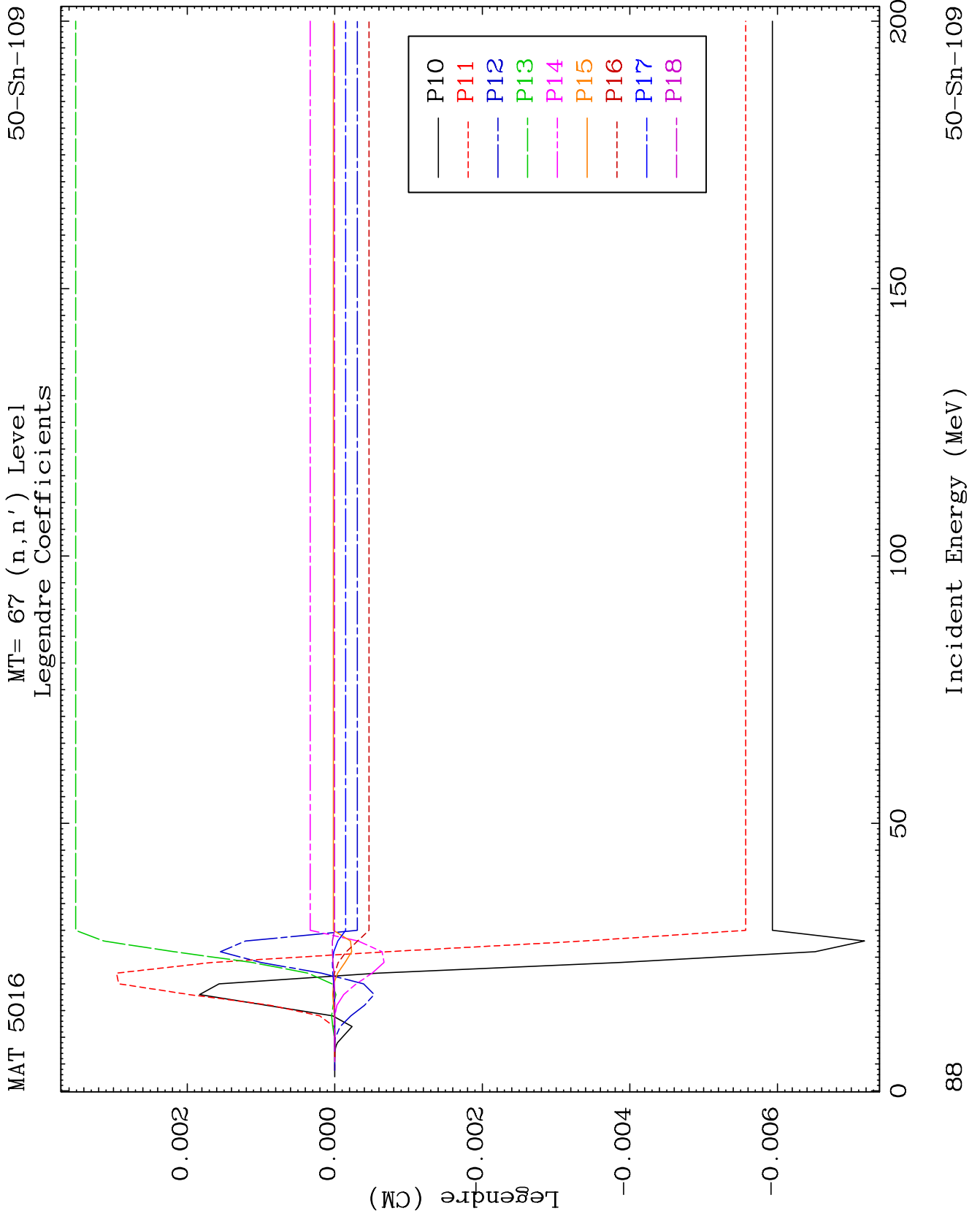








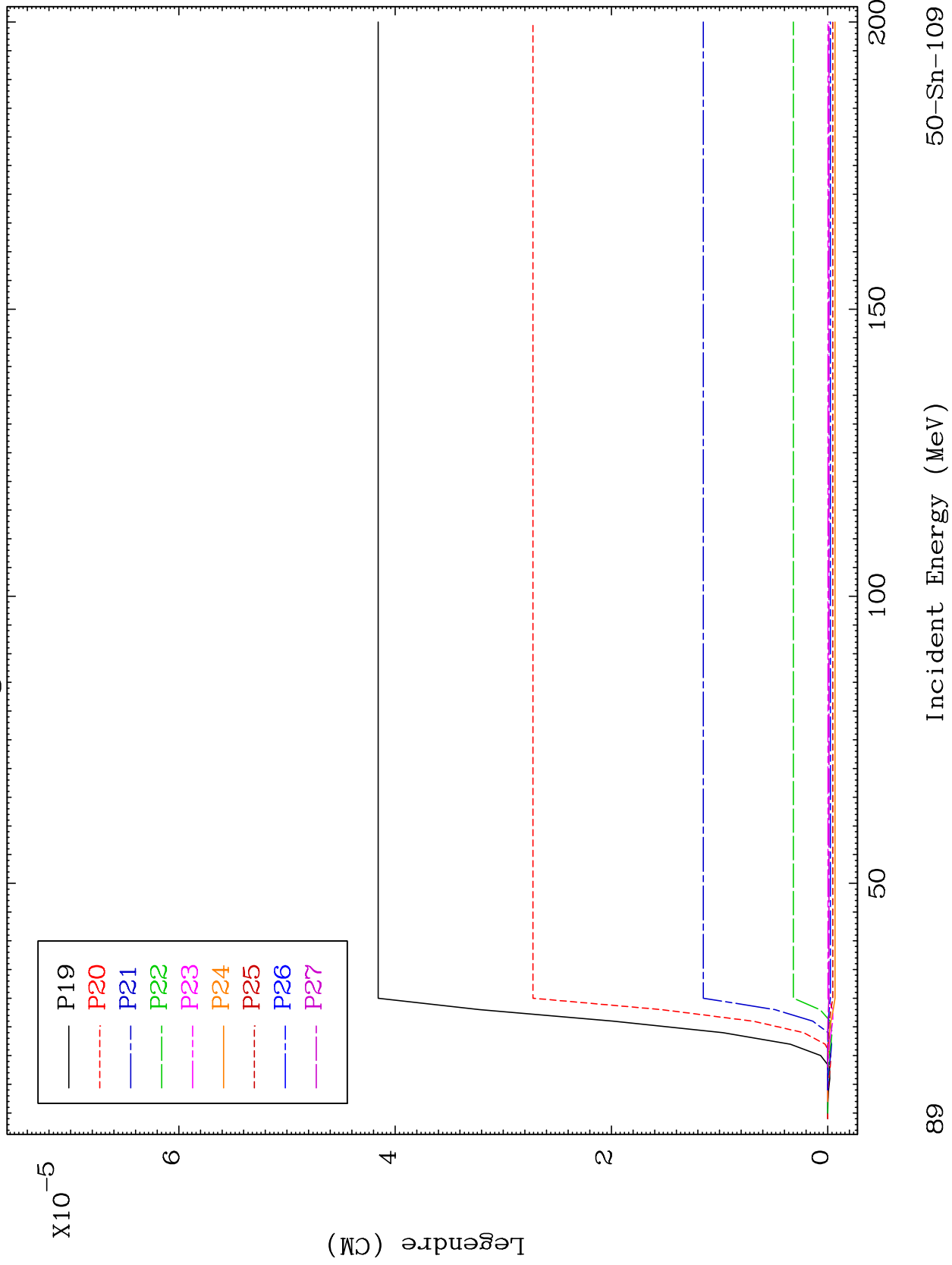




MAT 5016

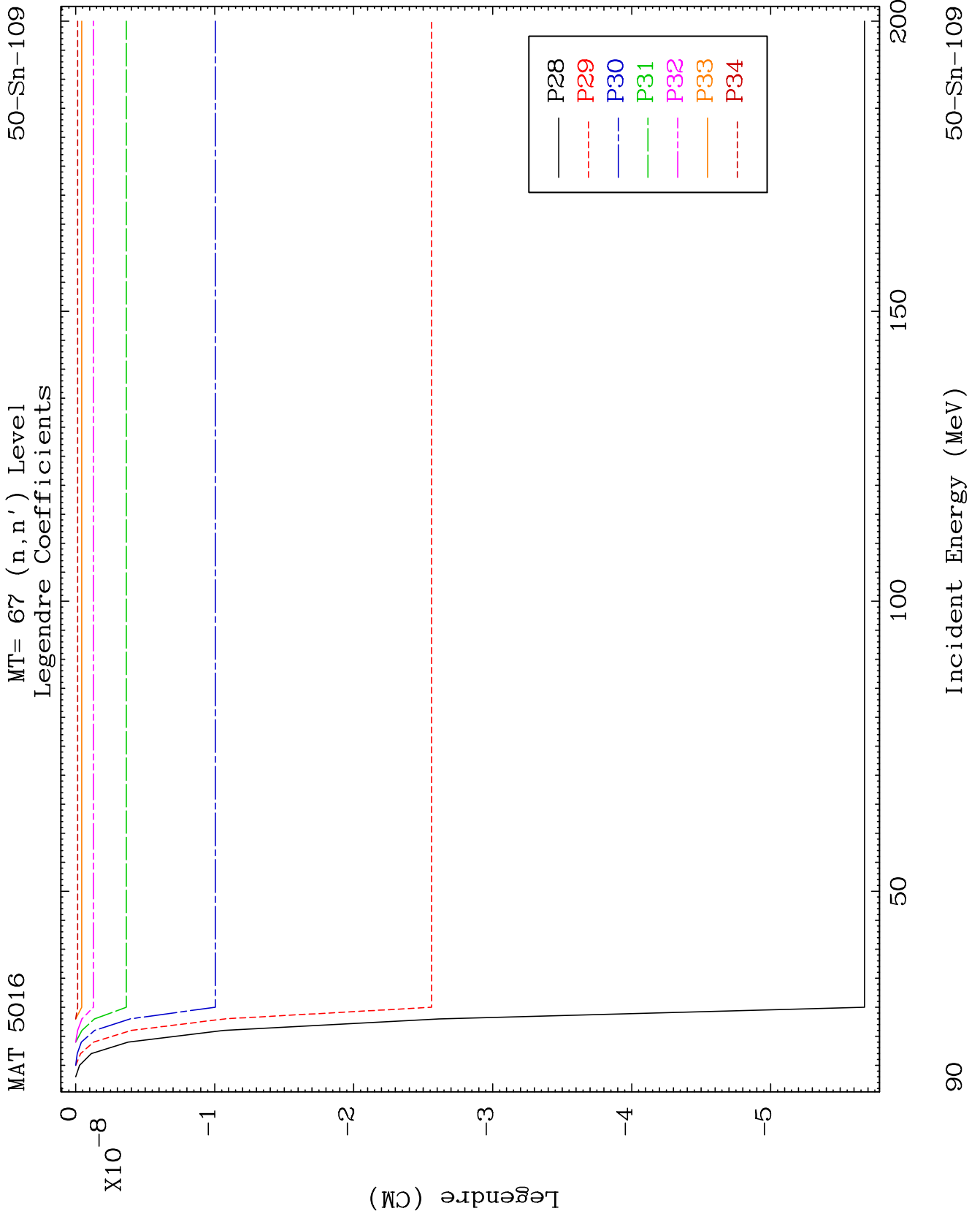
MT= 67 (n,n') Level
Legendre Coefficients

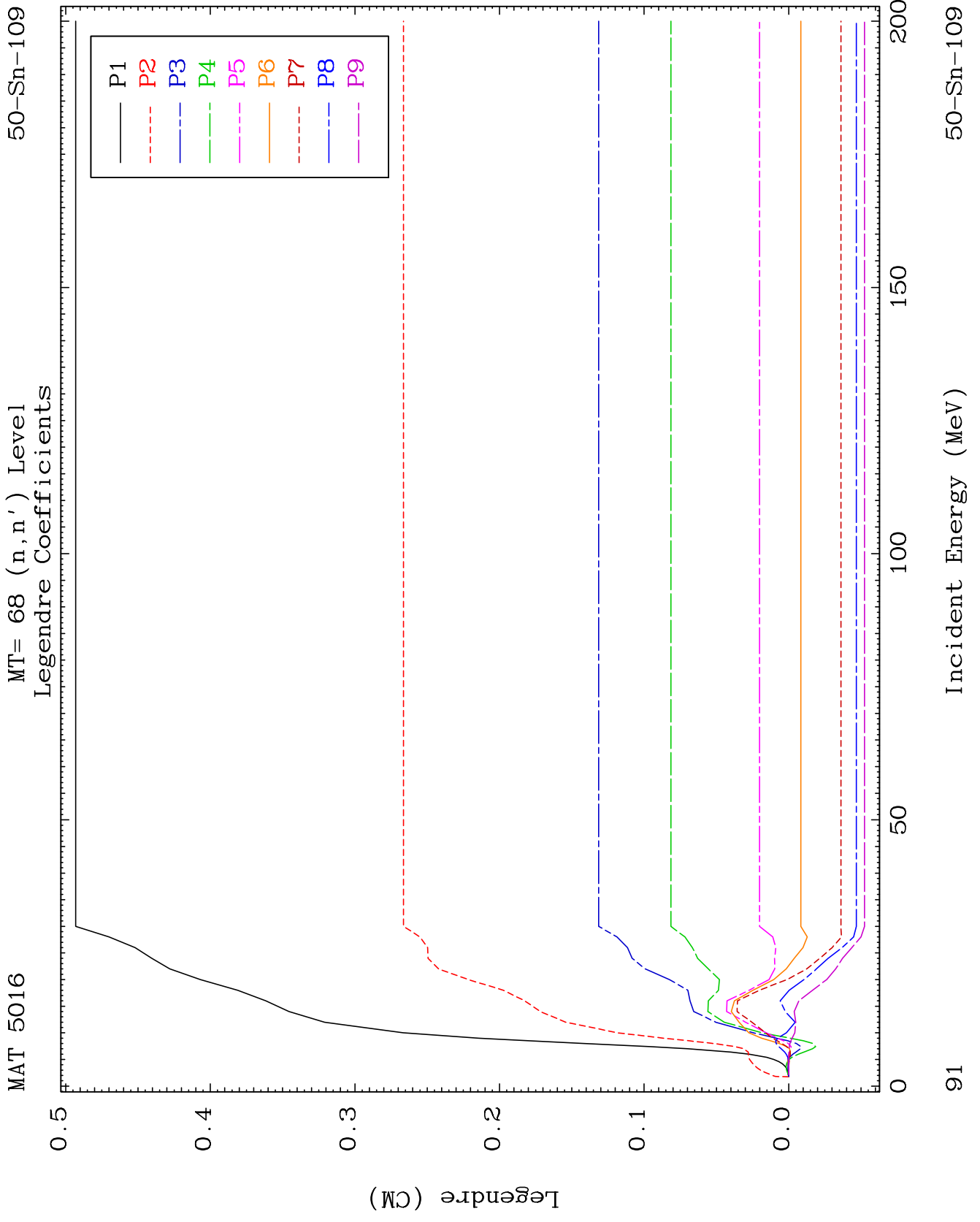
50-Sn-109

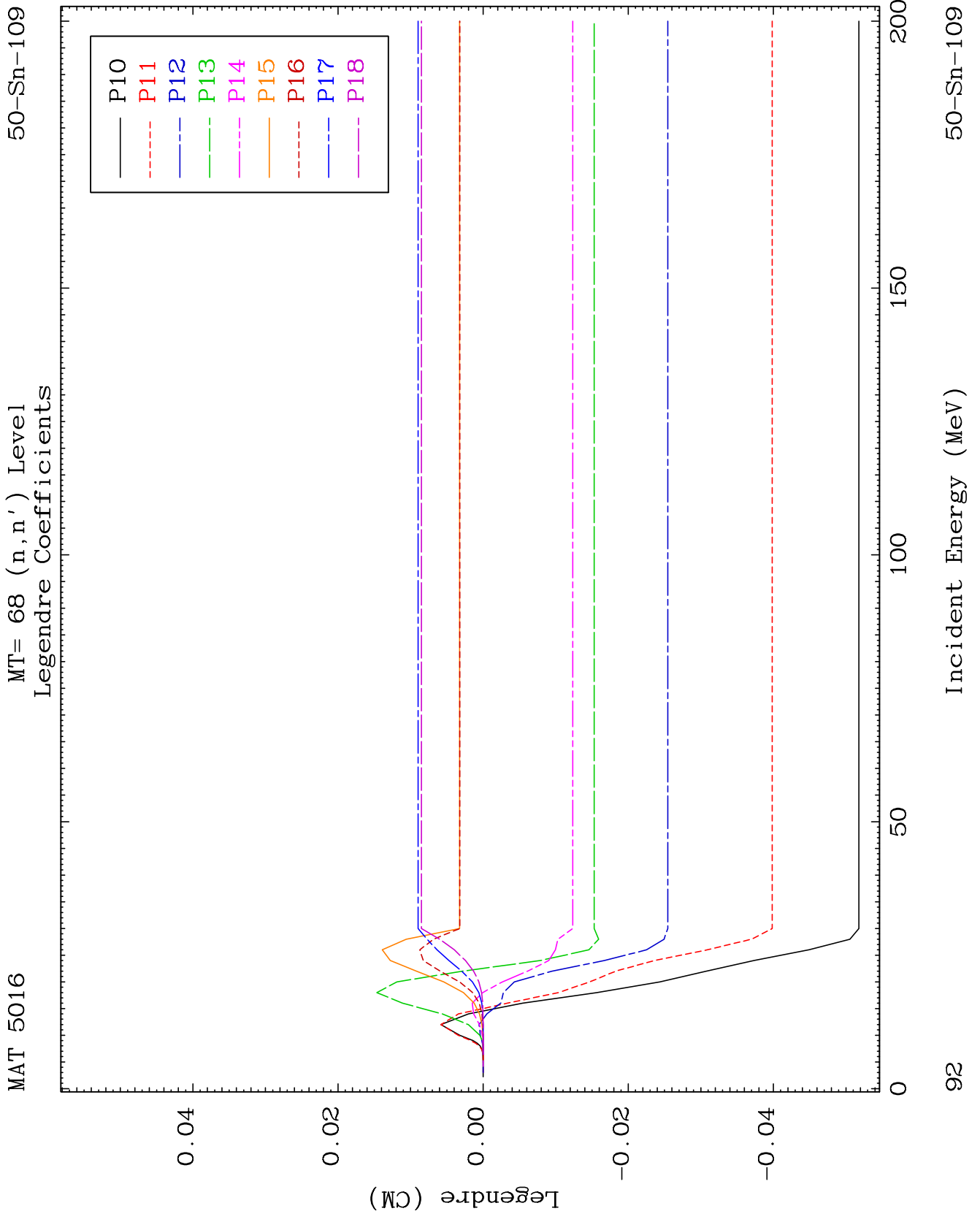


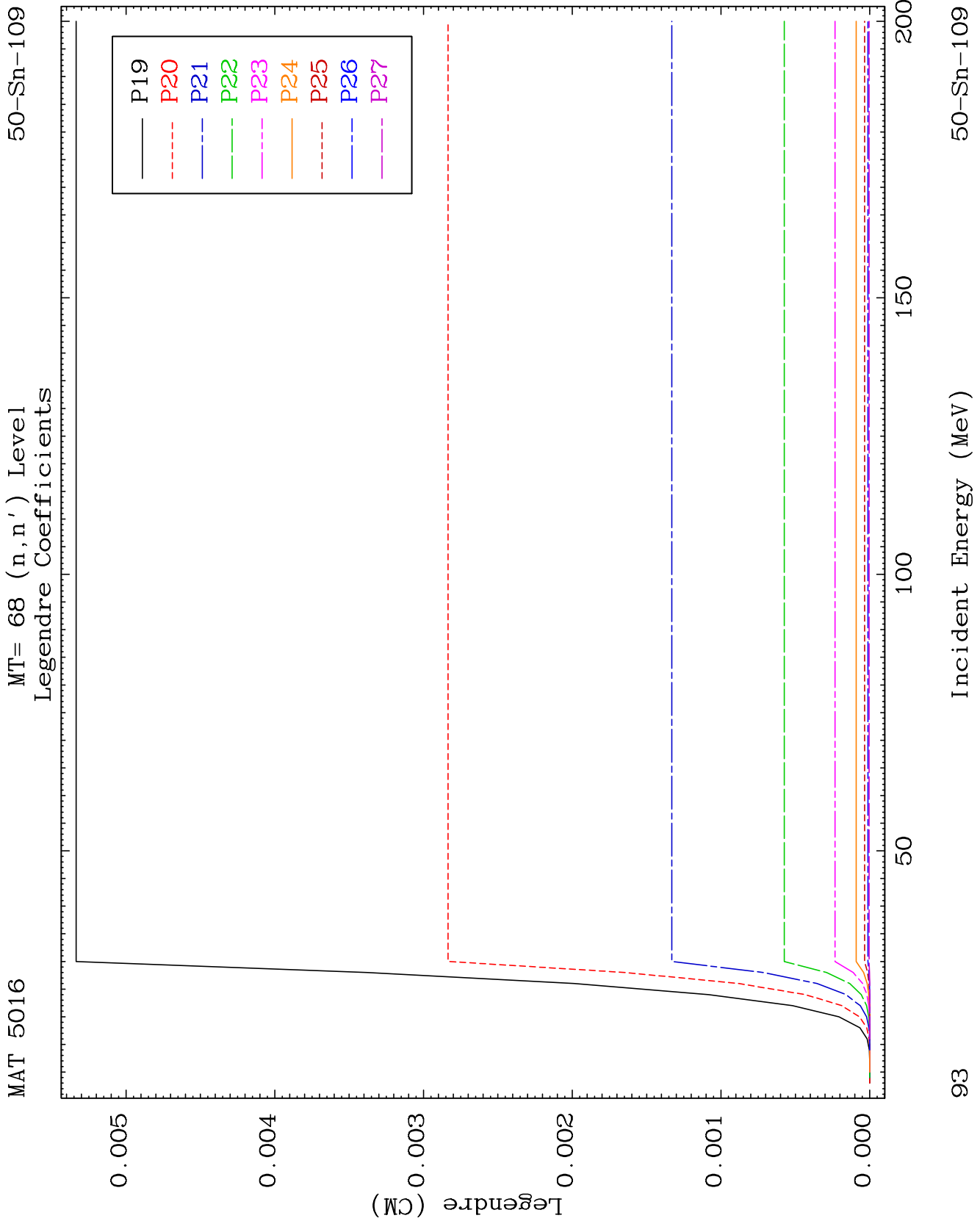
89

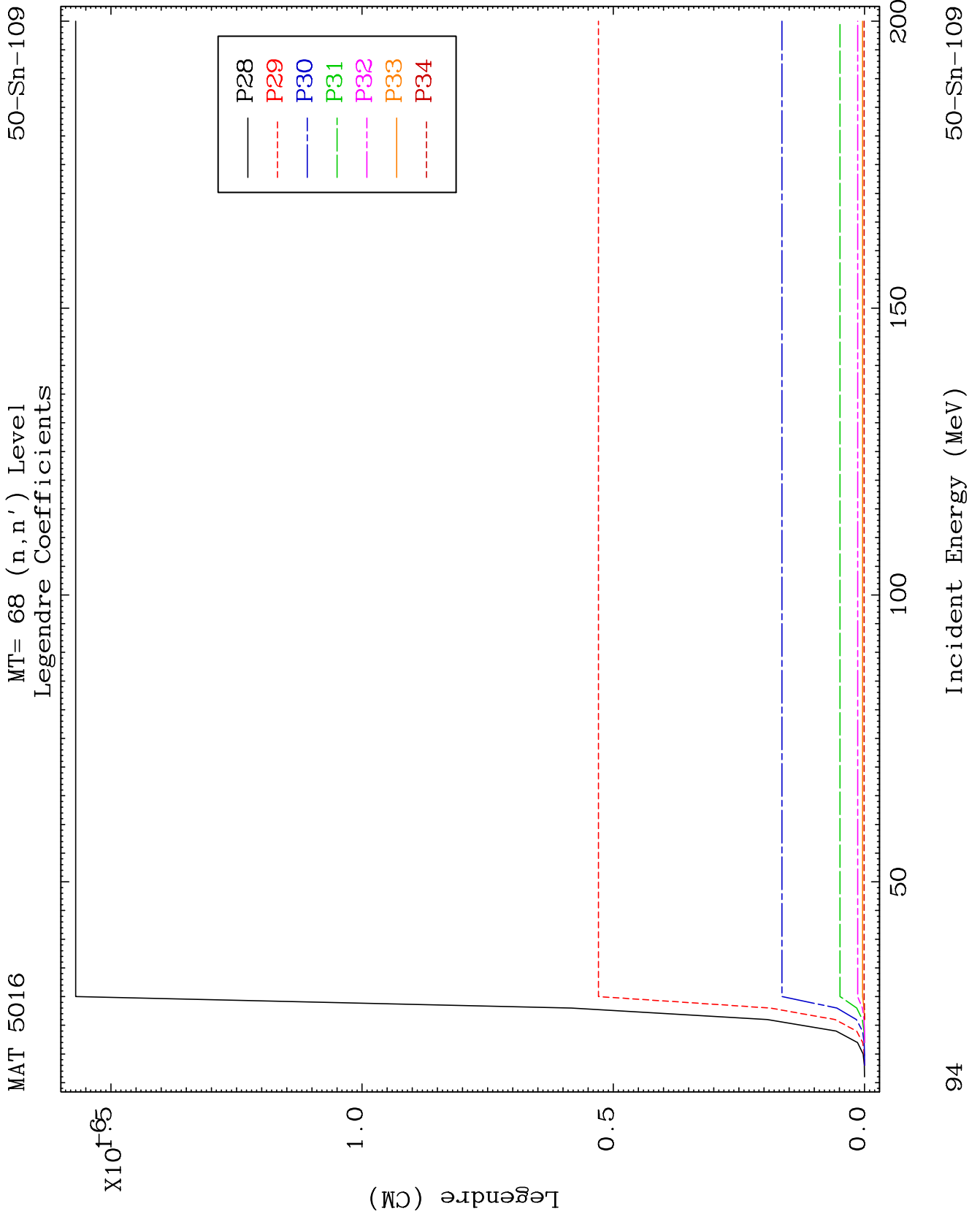
50-Sn-109

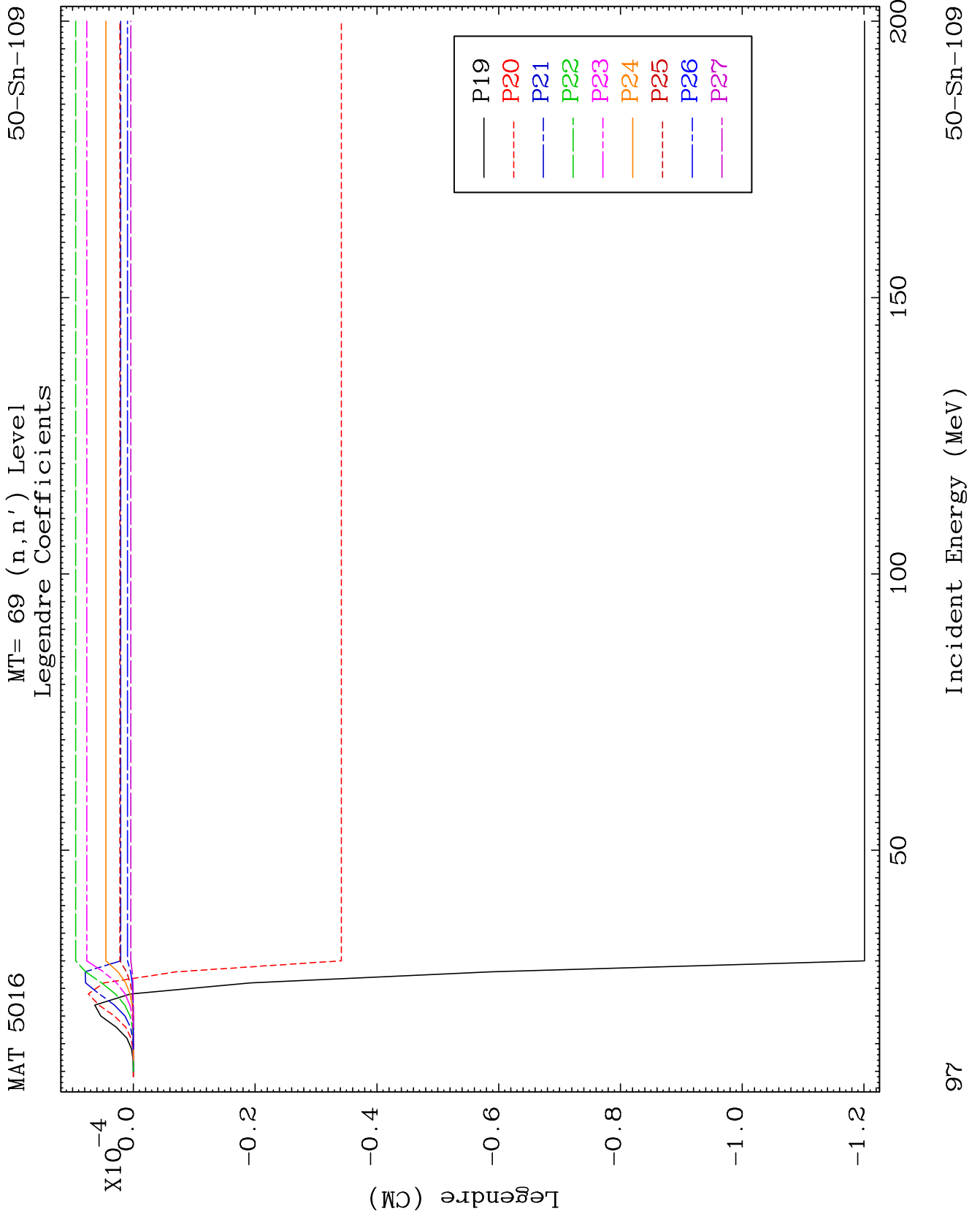








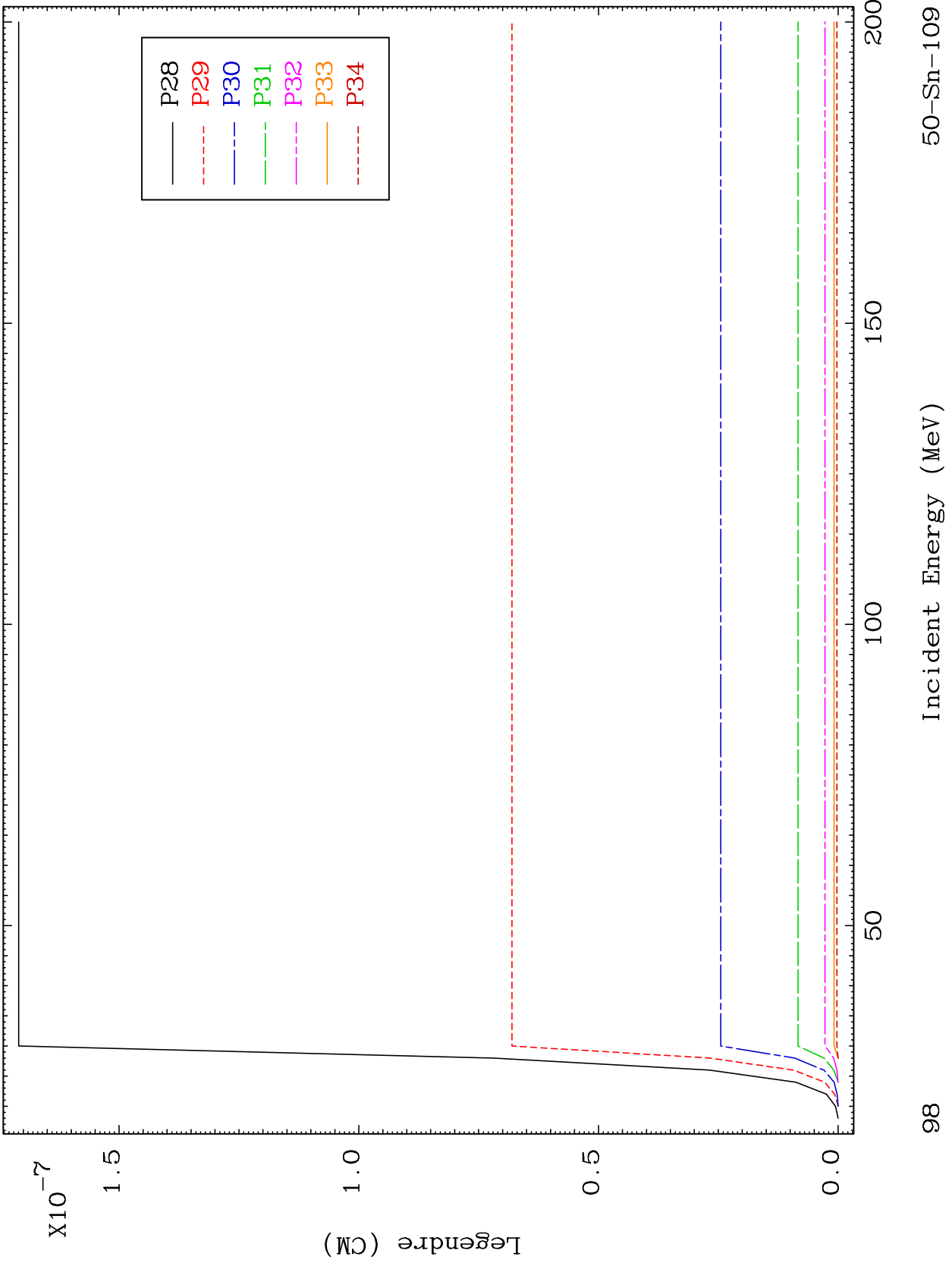




MAT 5016

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

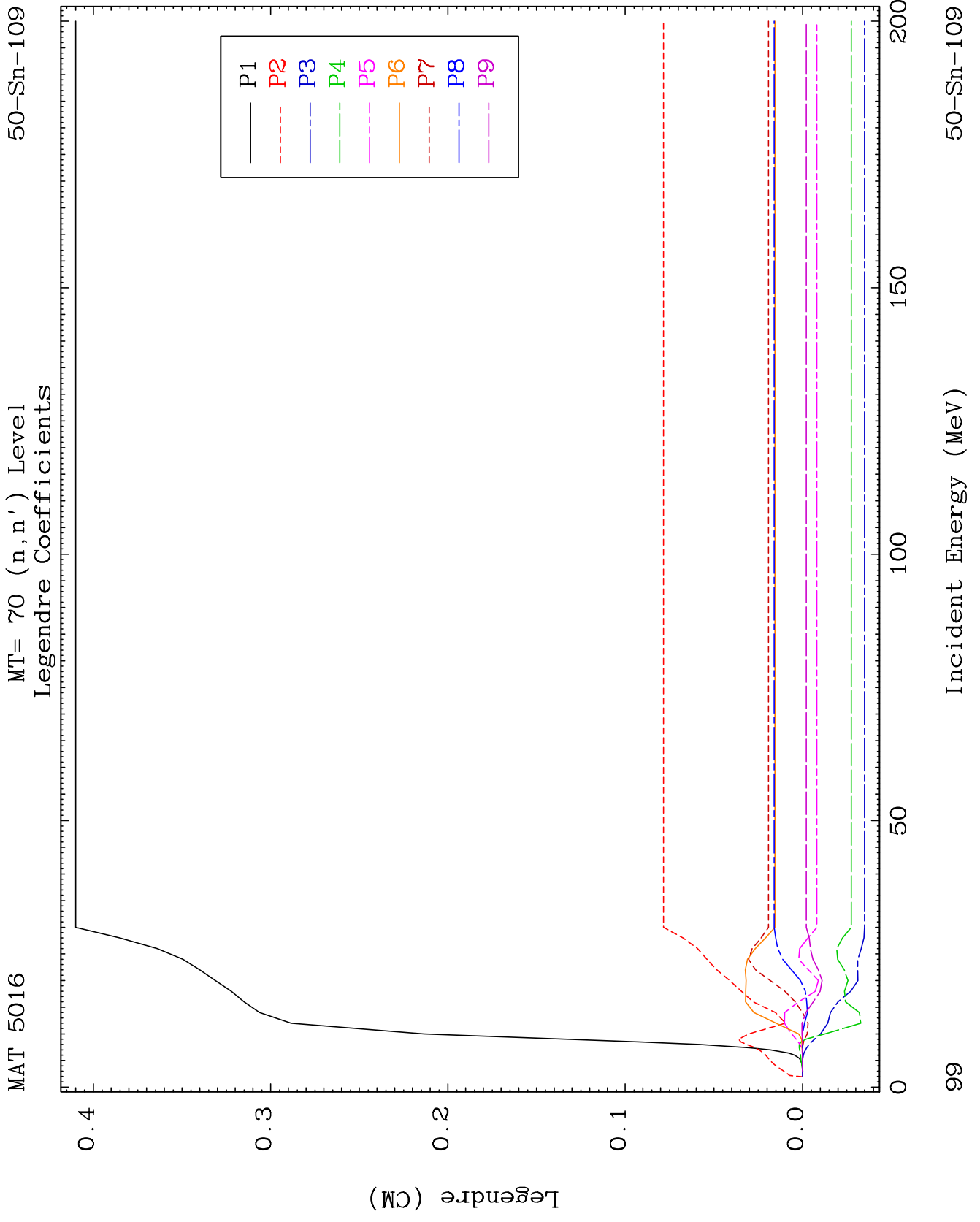
50-Sn-109

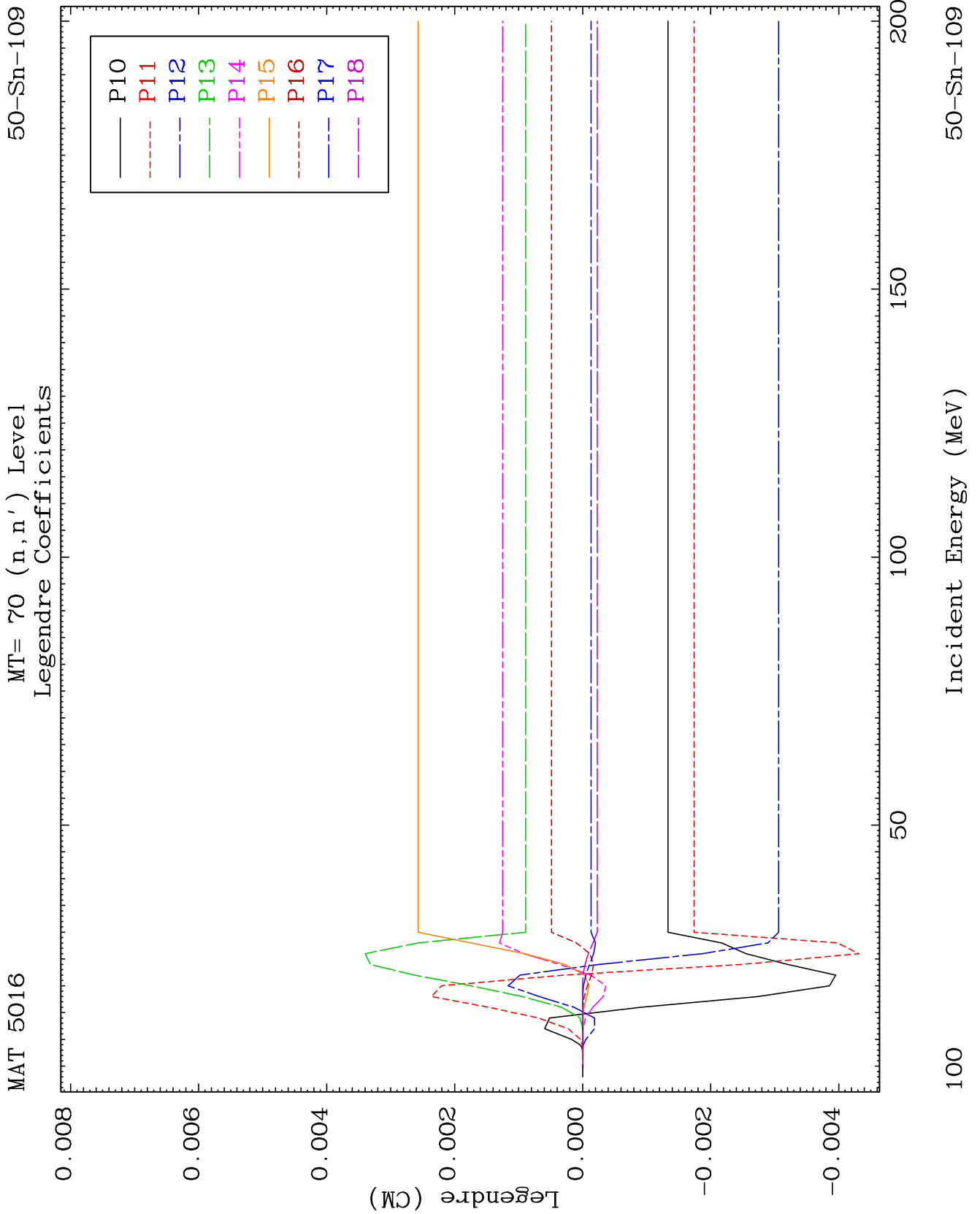


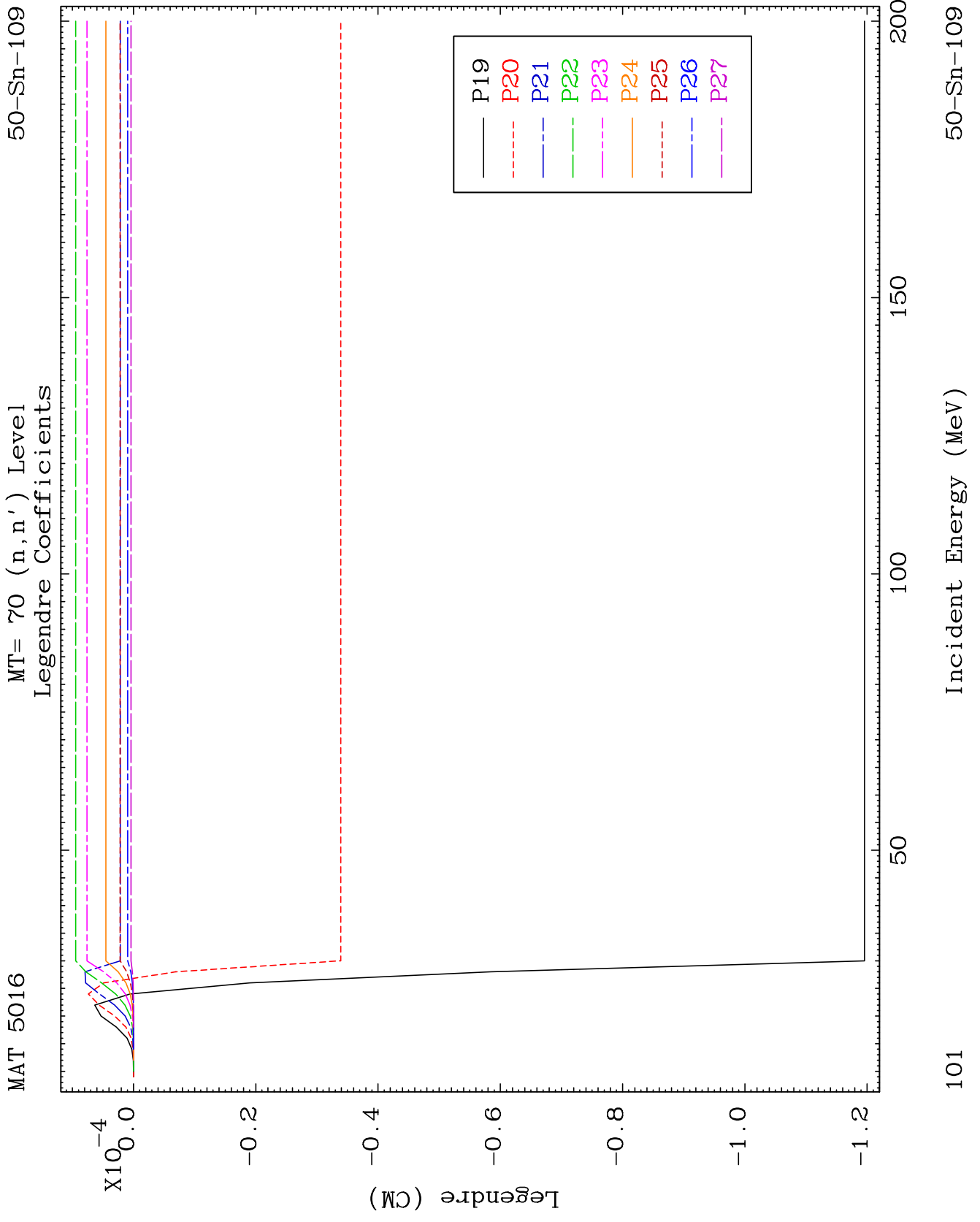
98

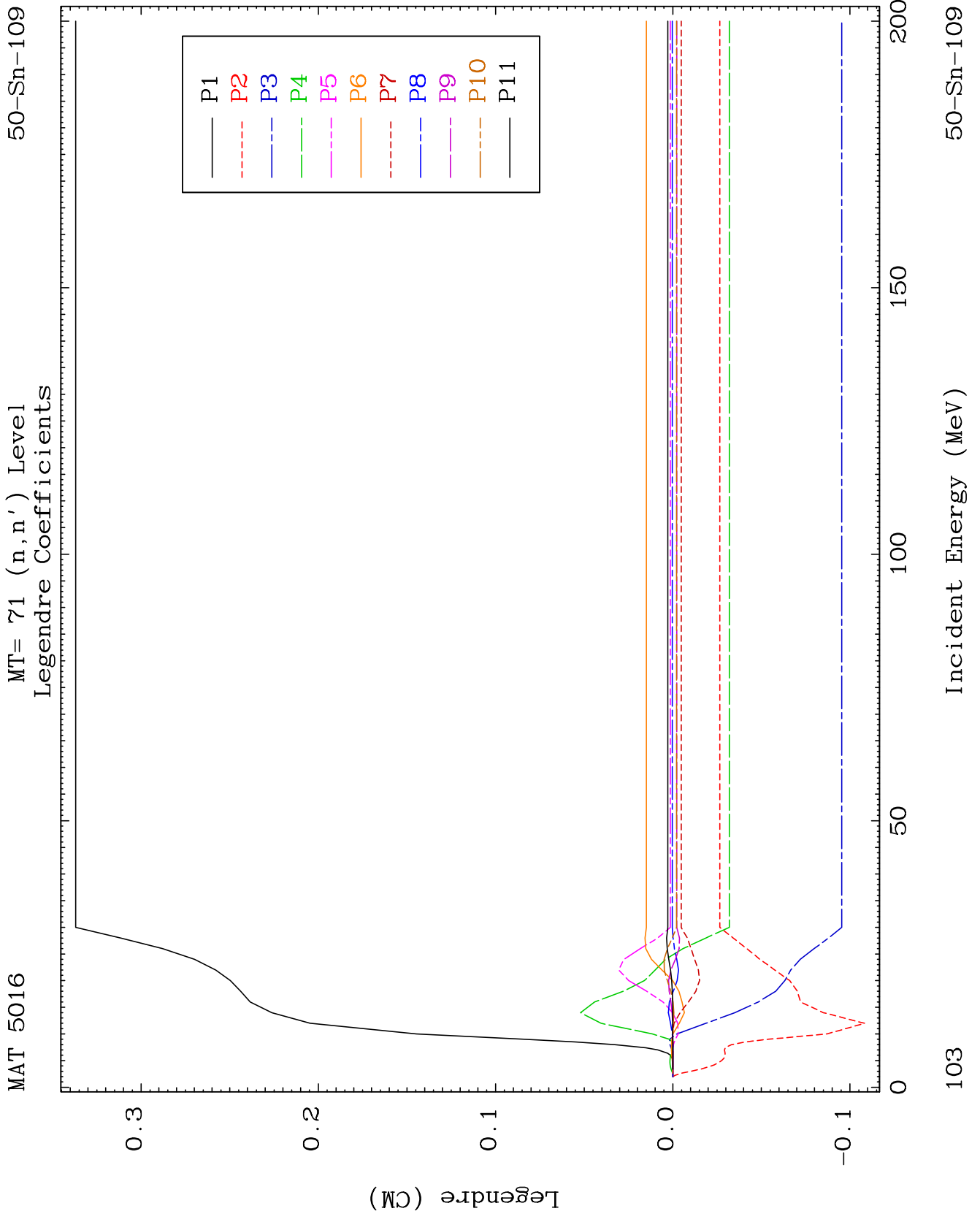
Incident Energy (MeV)

50-Sn-109





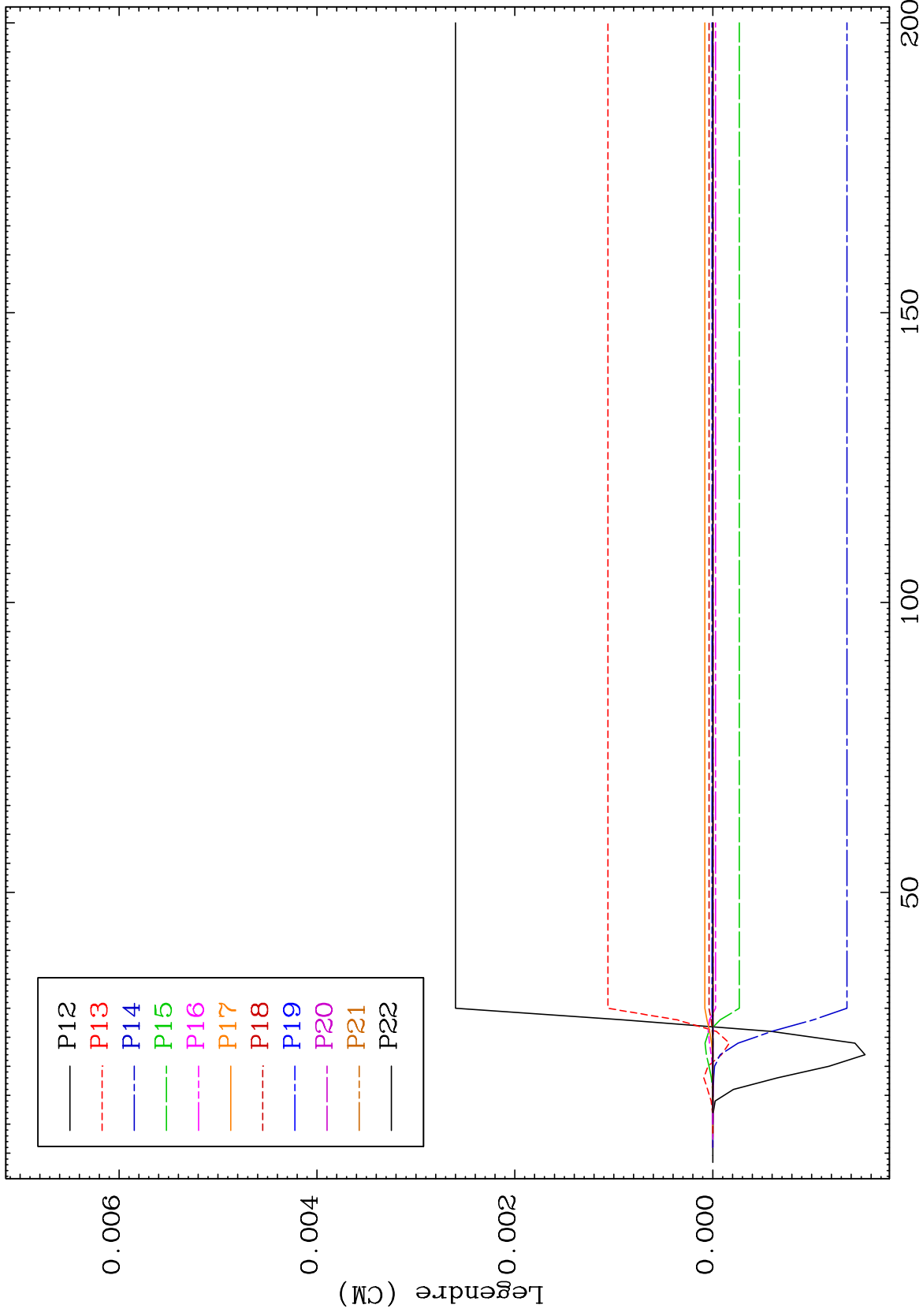




MAT 5016

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

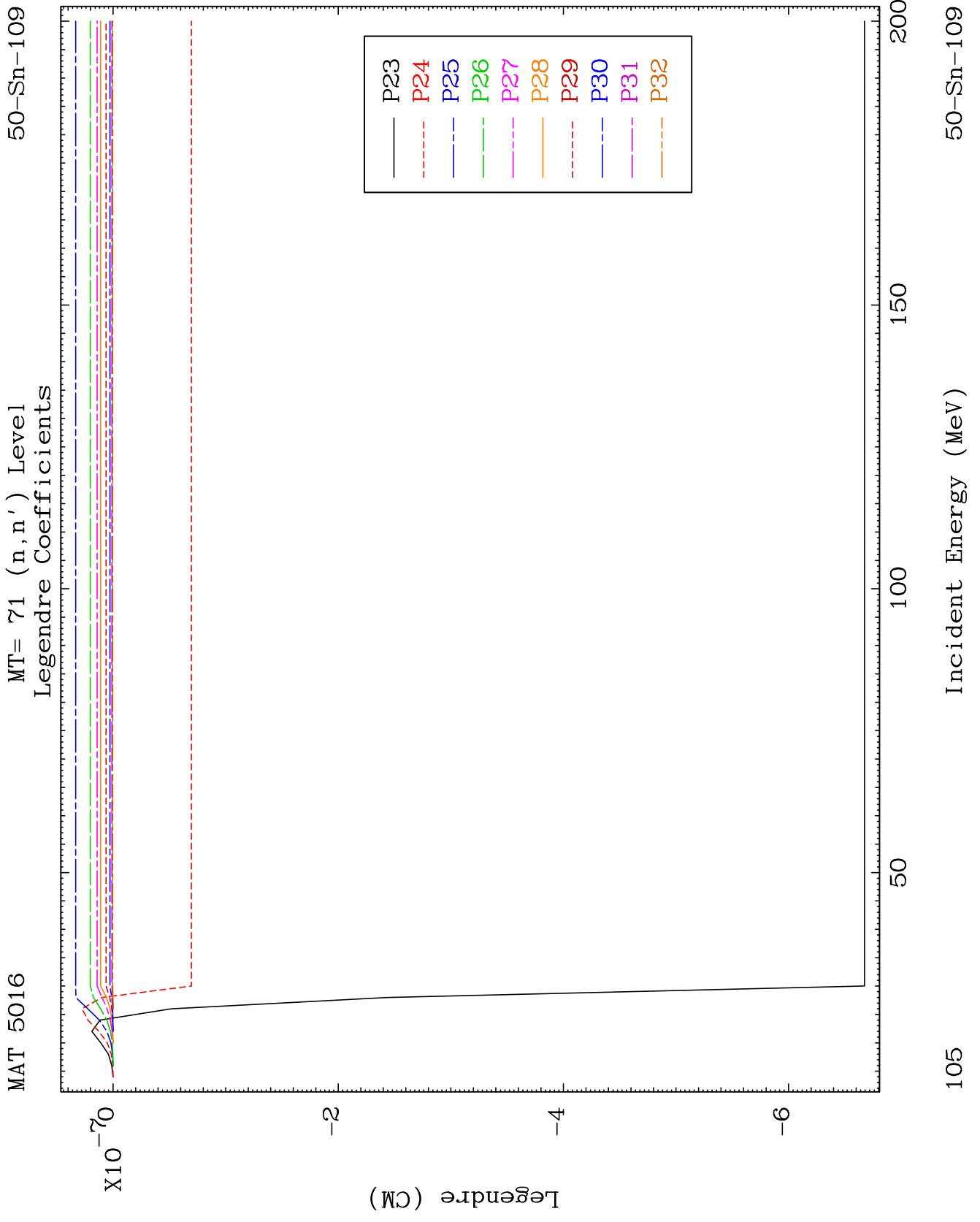
50-Sn-109

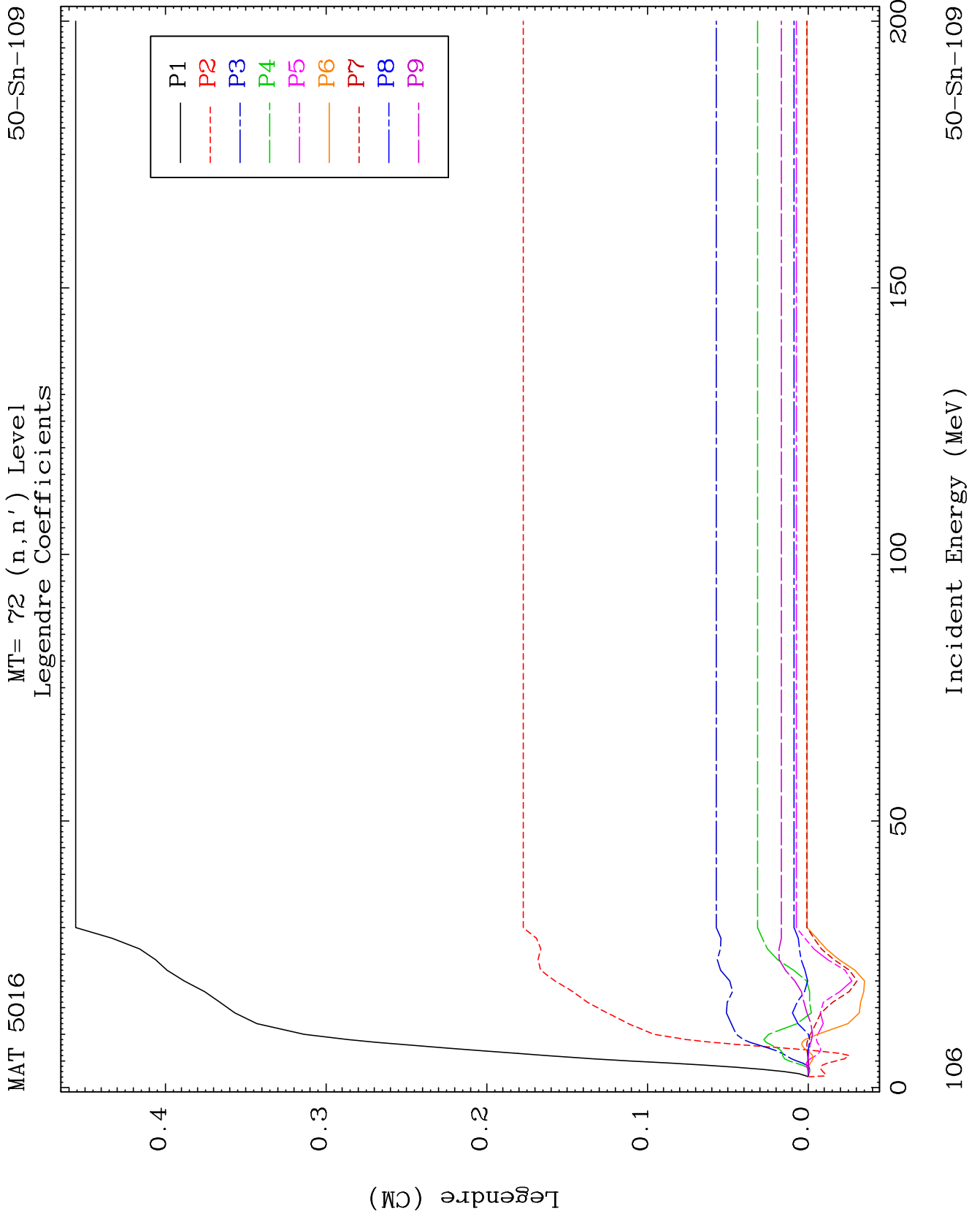


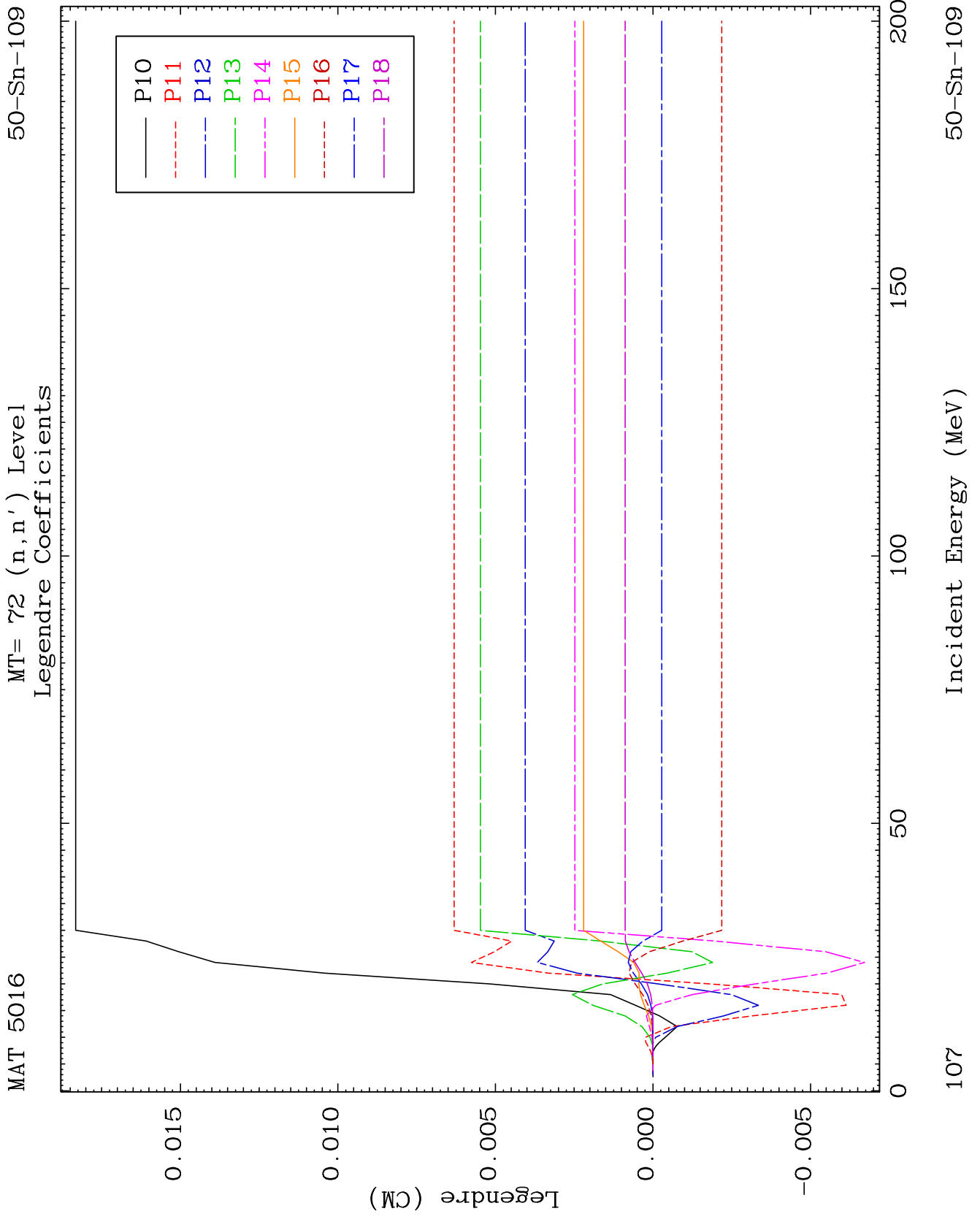
104

Incident Energy (MeV)

50-Sn-109



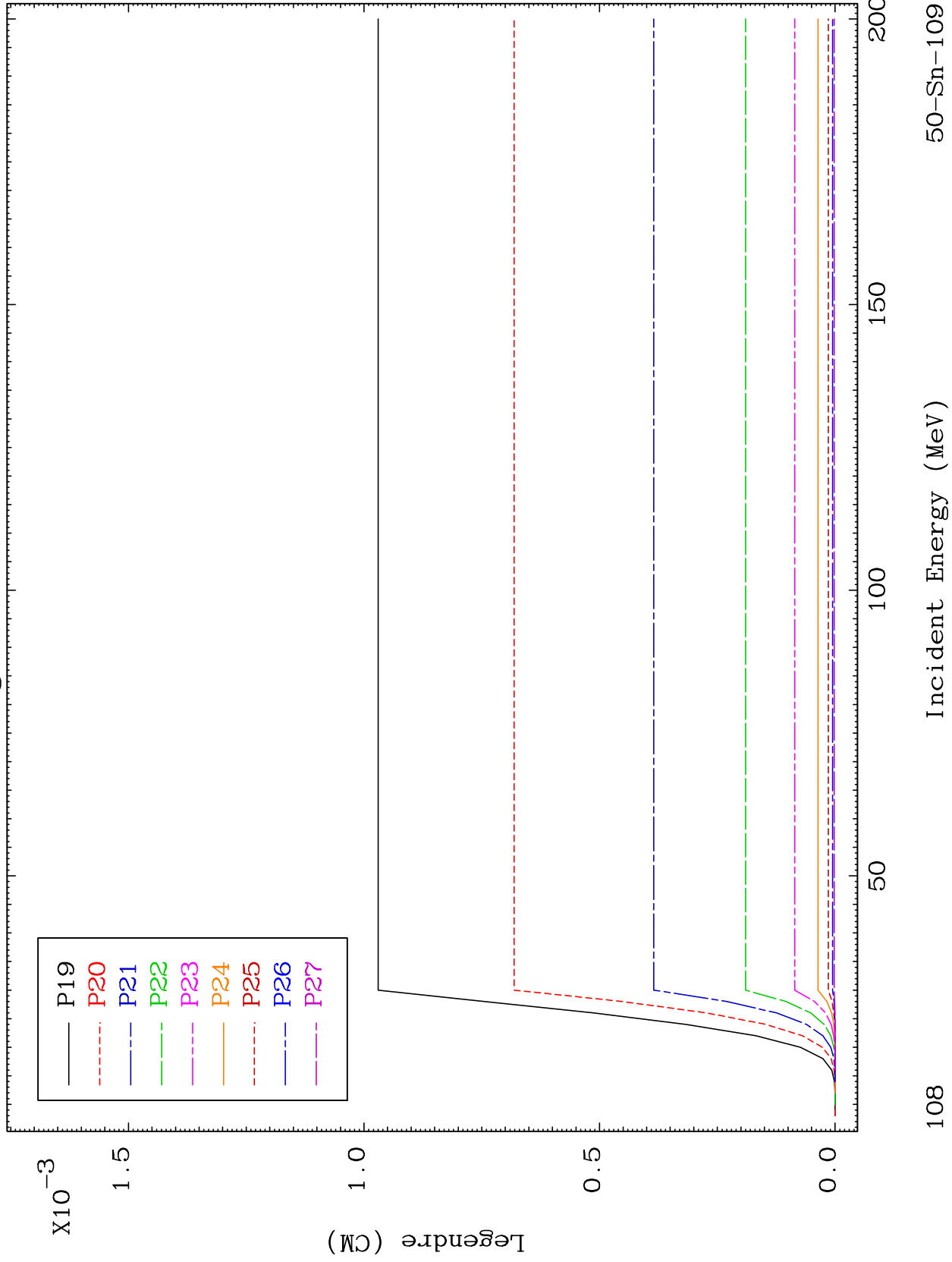


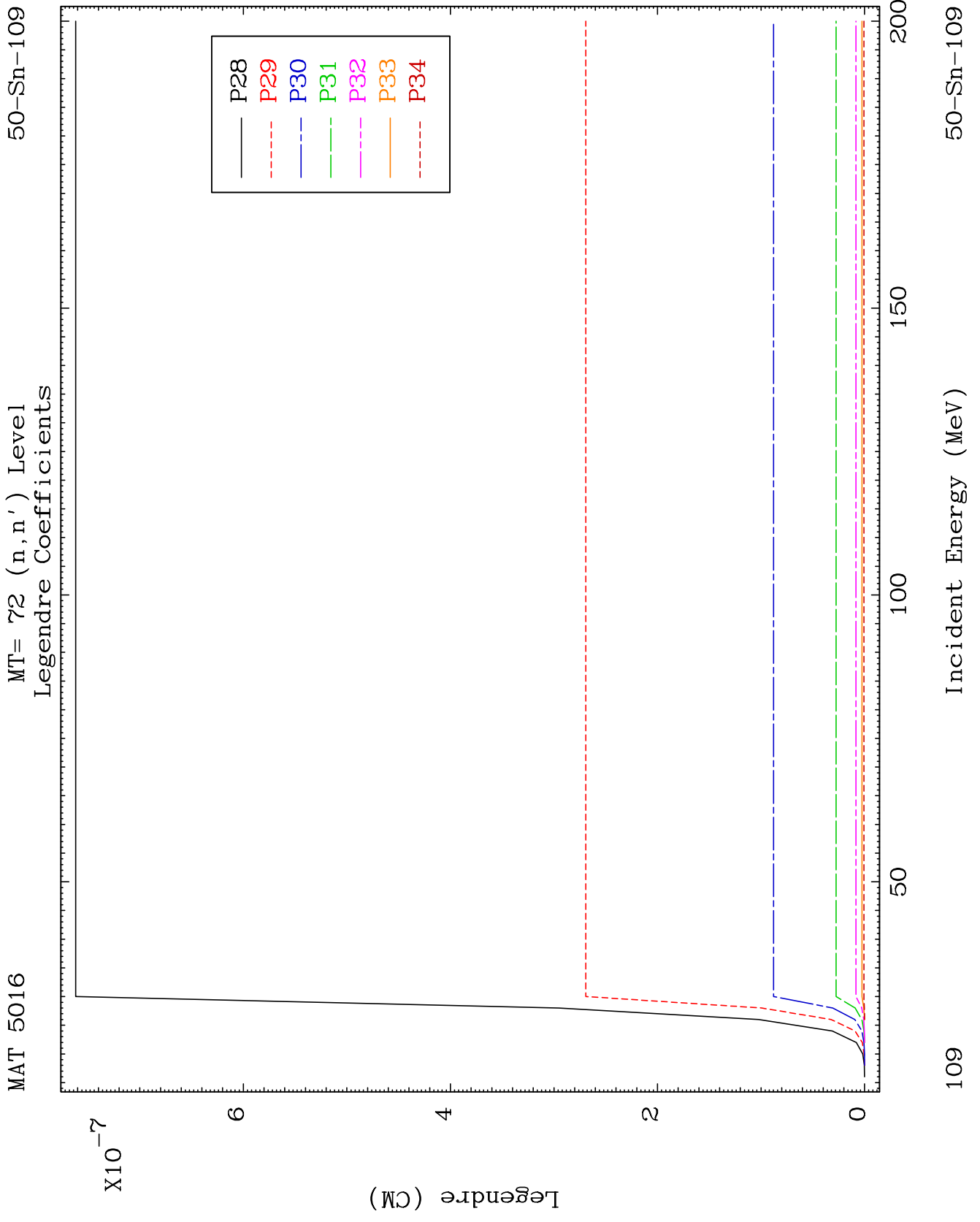


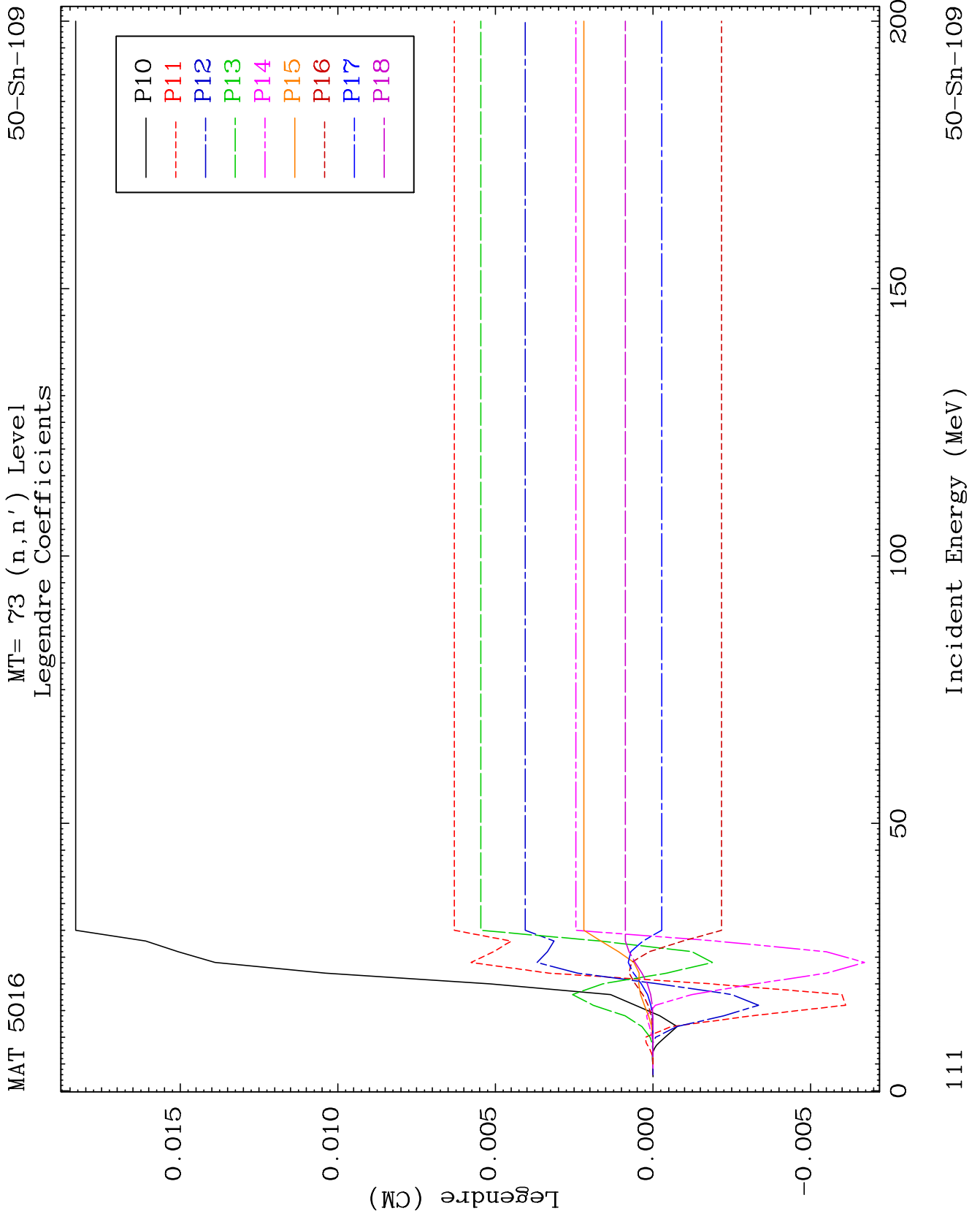
MAT 5016

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

50-Sn-109



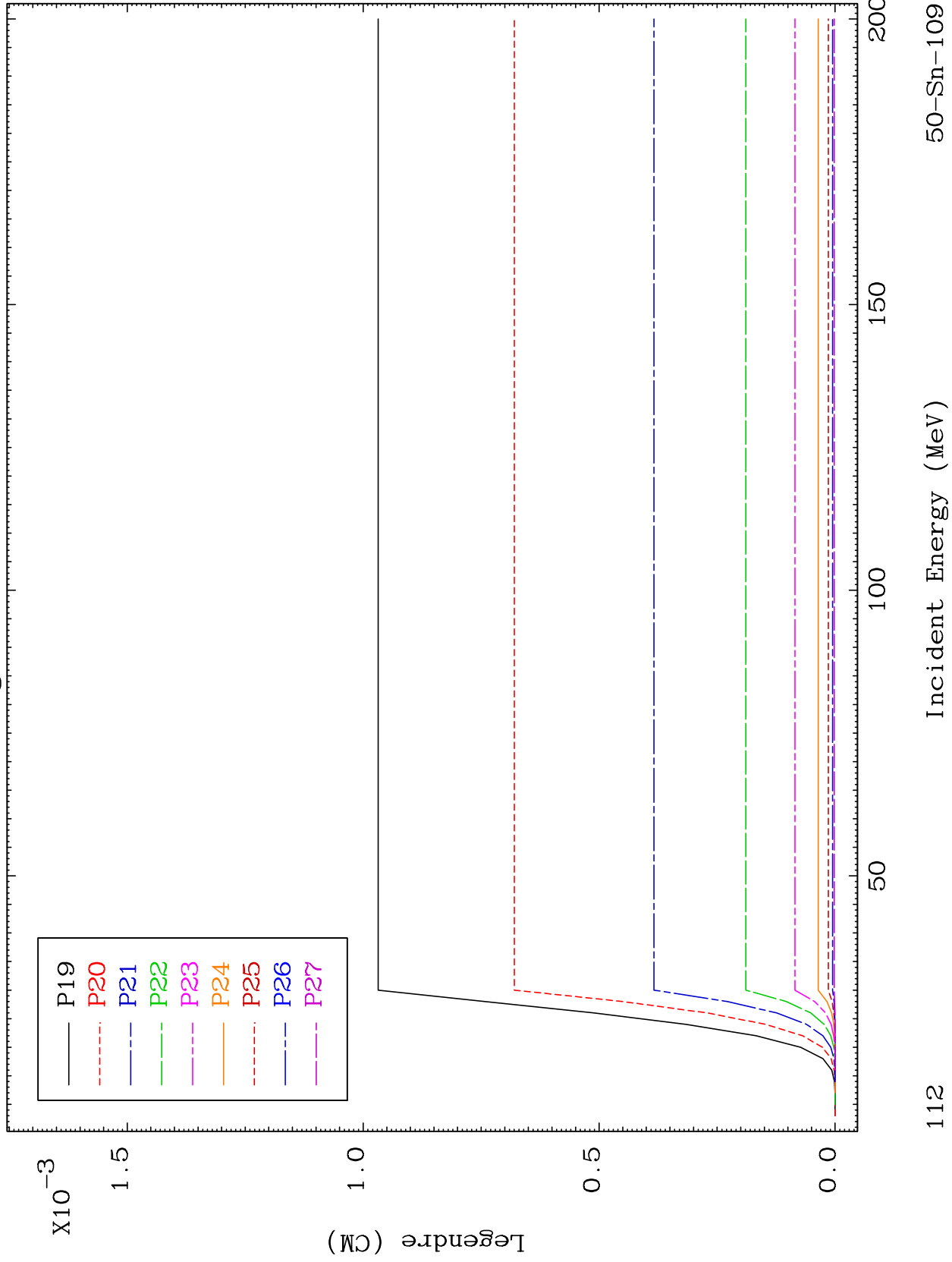


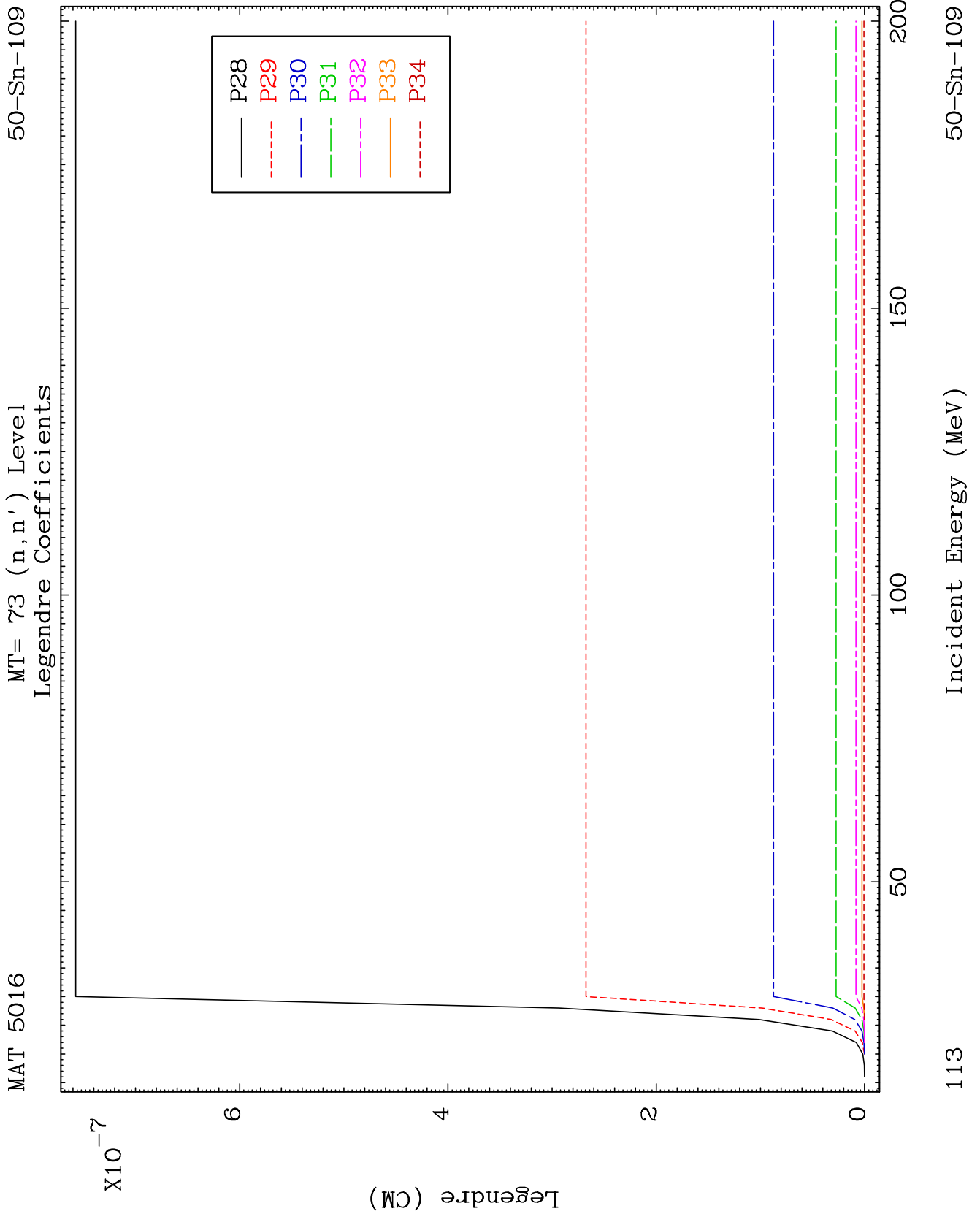


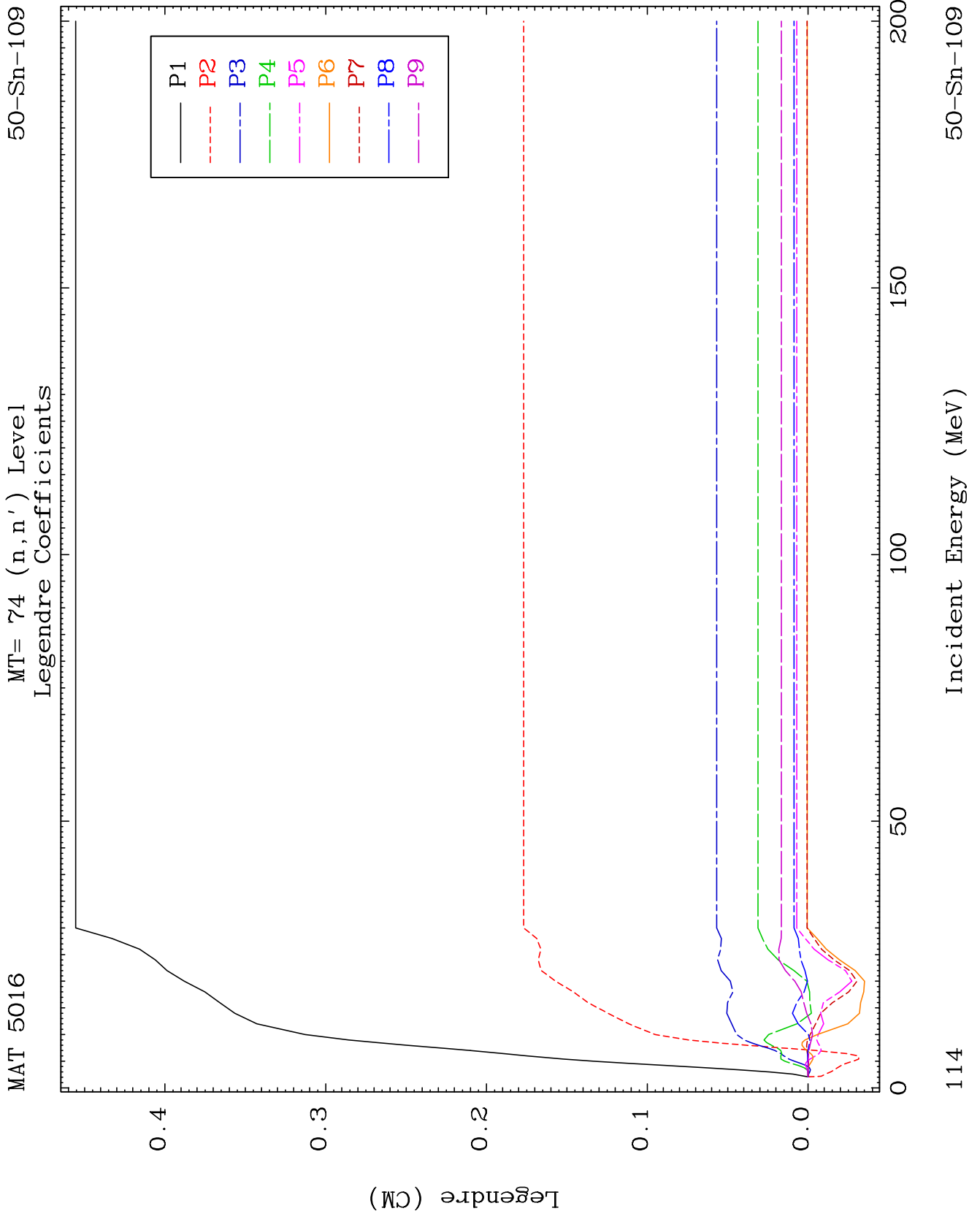
MAT 5016

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

50-Sn-109



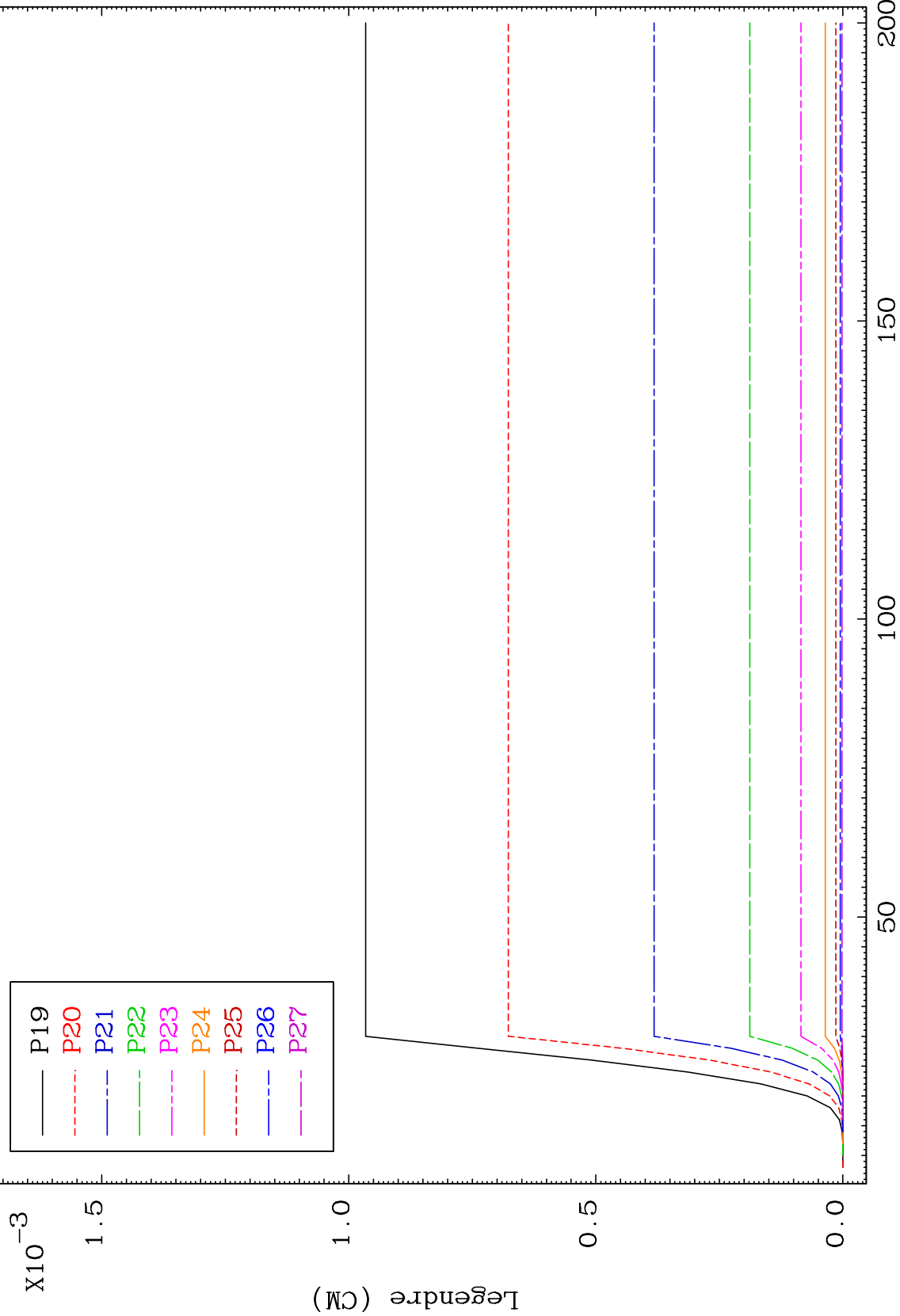
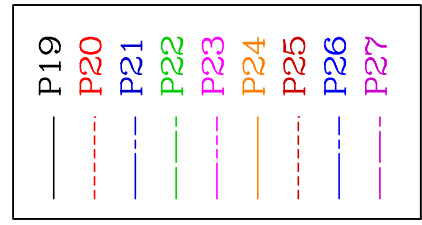




MAT 5016

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

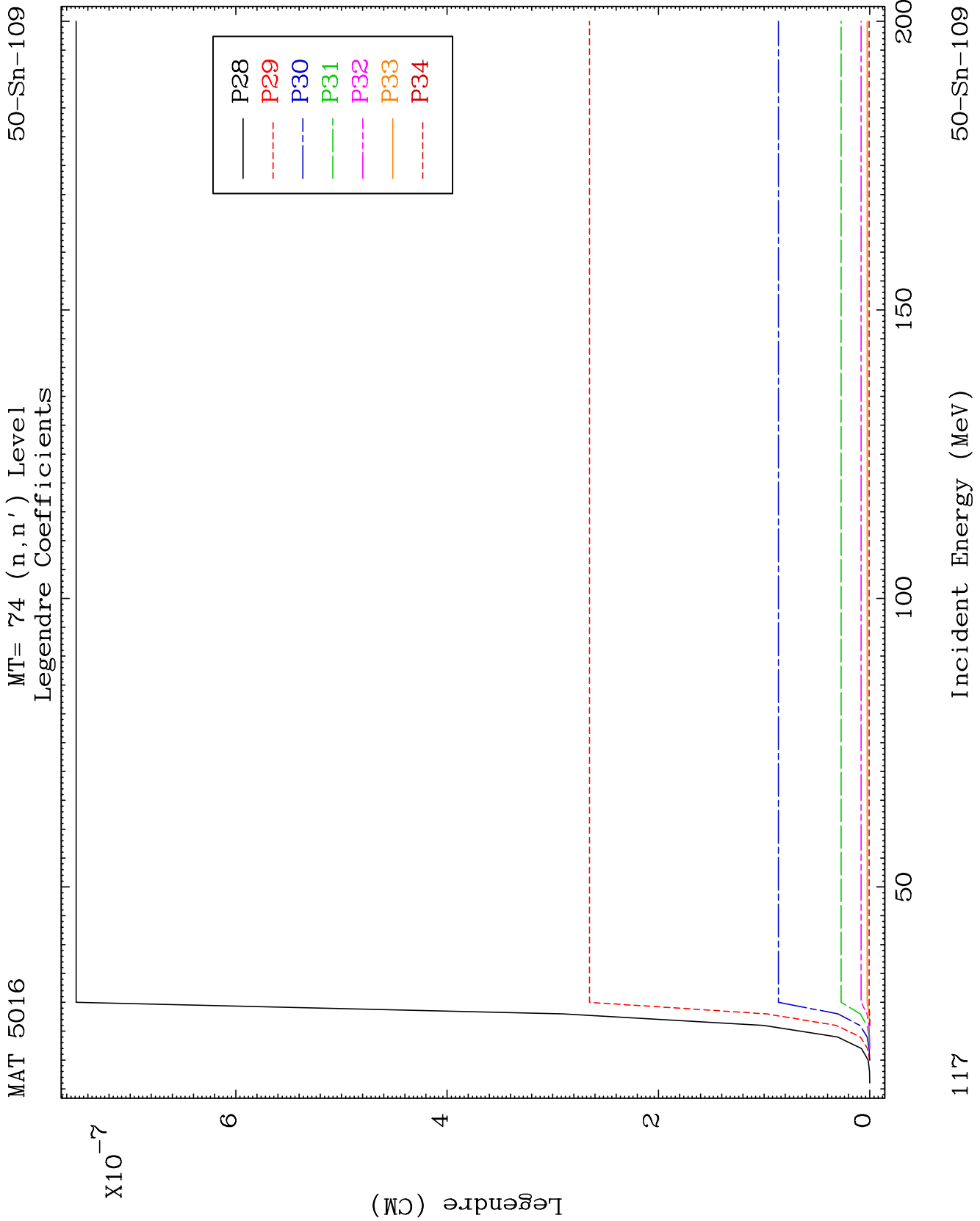
50-Sn-109

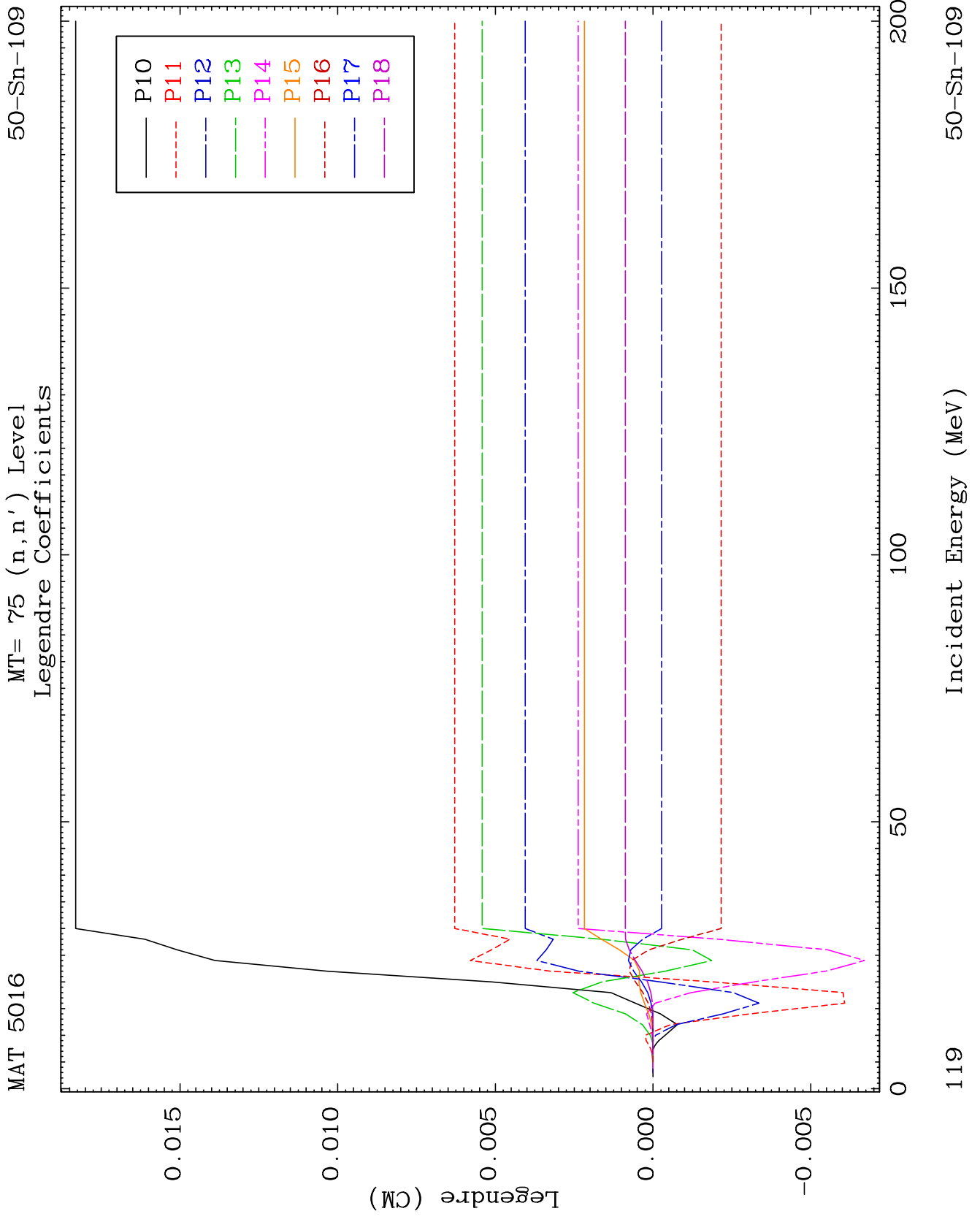


116

Incident Energy (MeV)

50-Sn-109

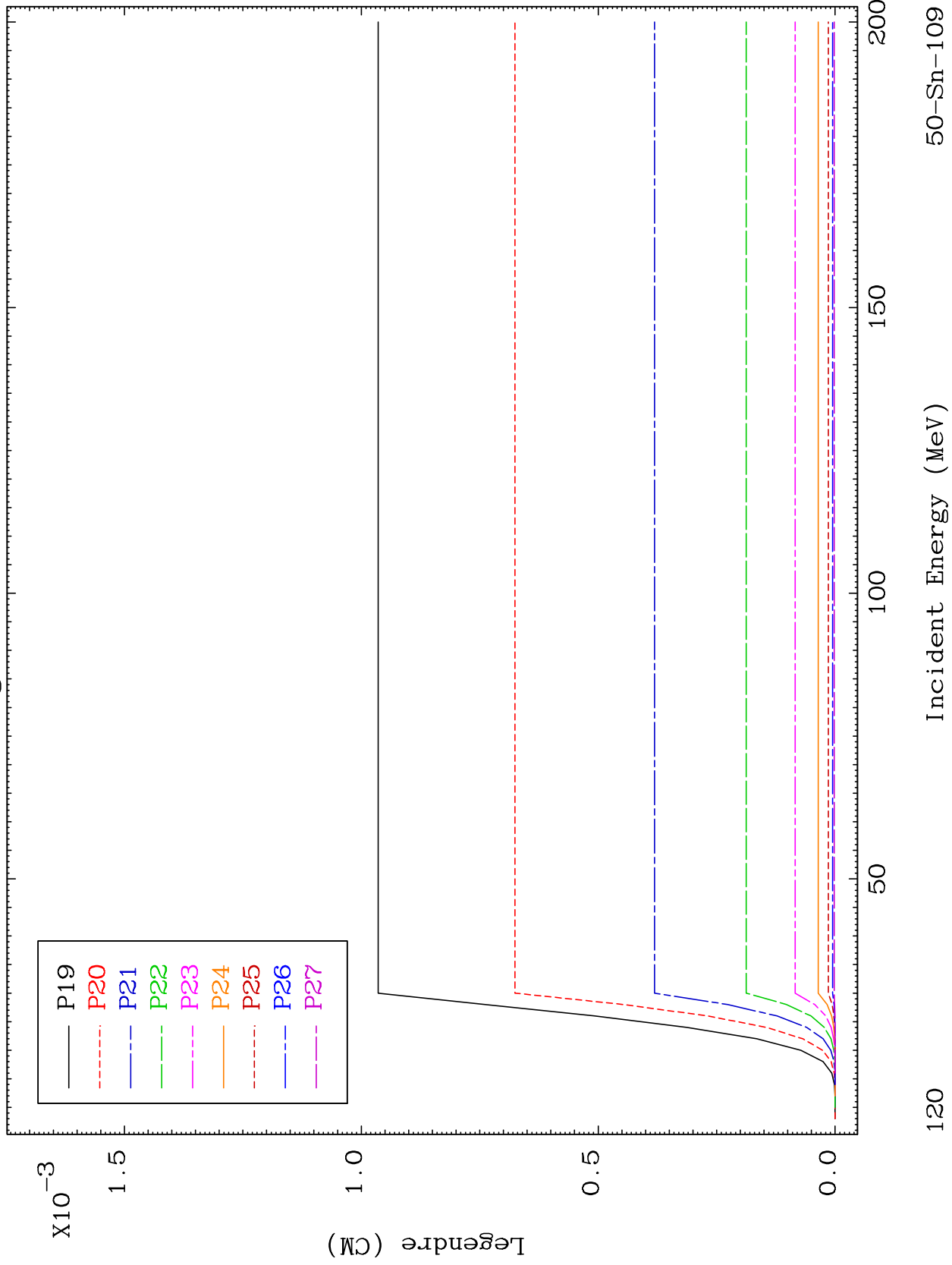


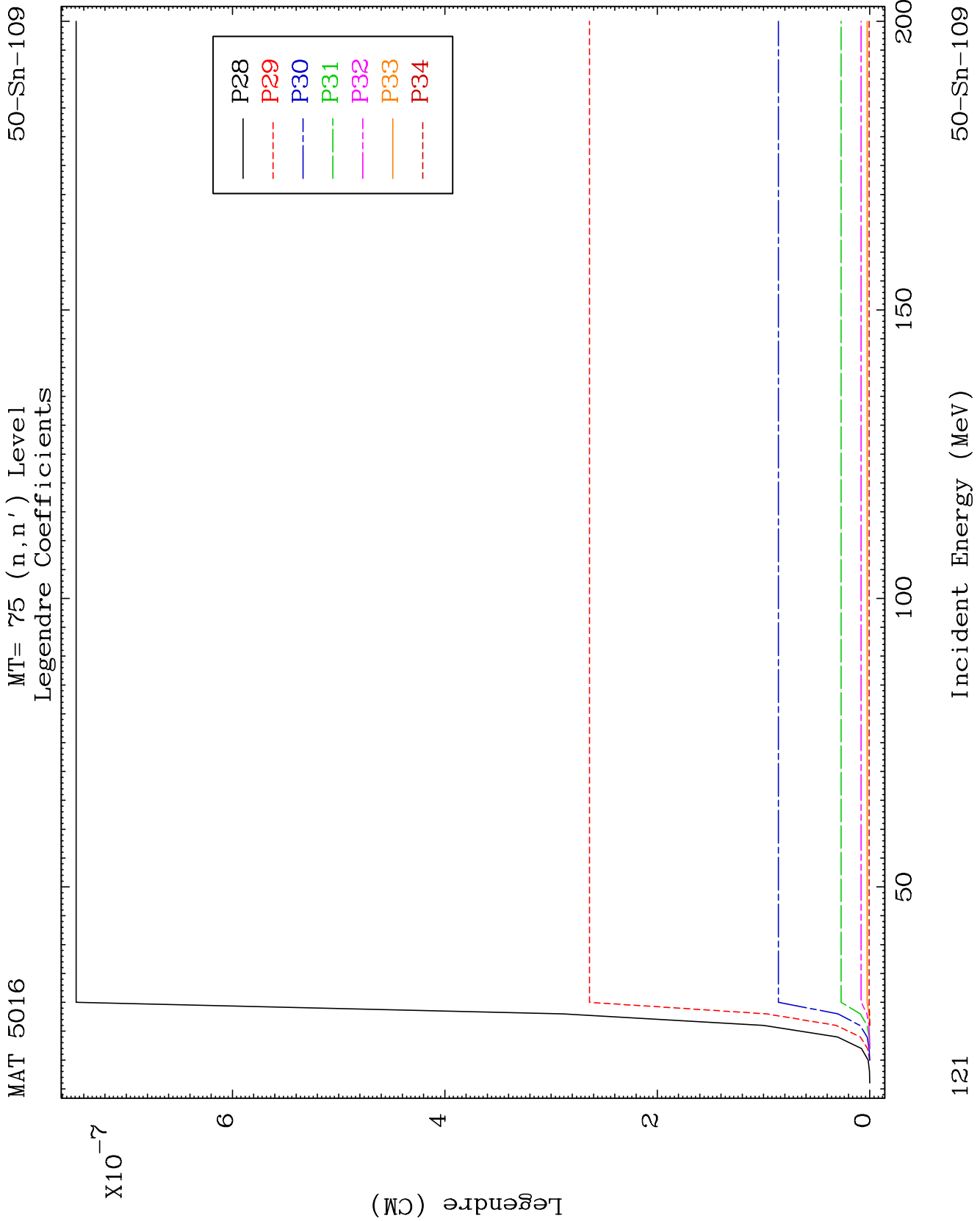


MAT 5016

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

50-Sn-109

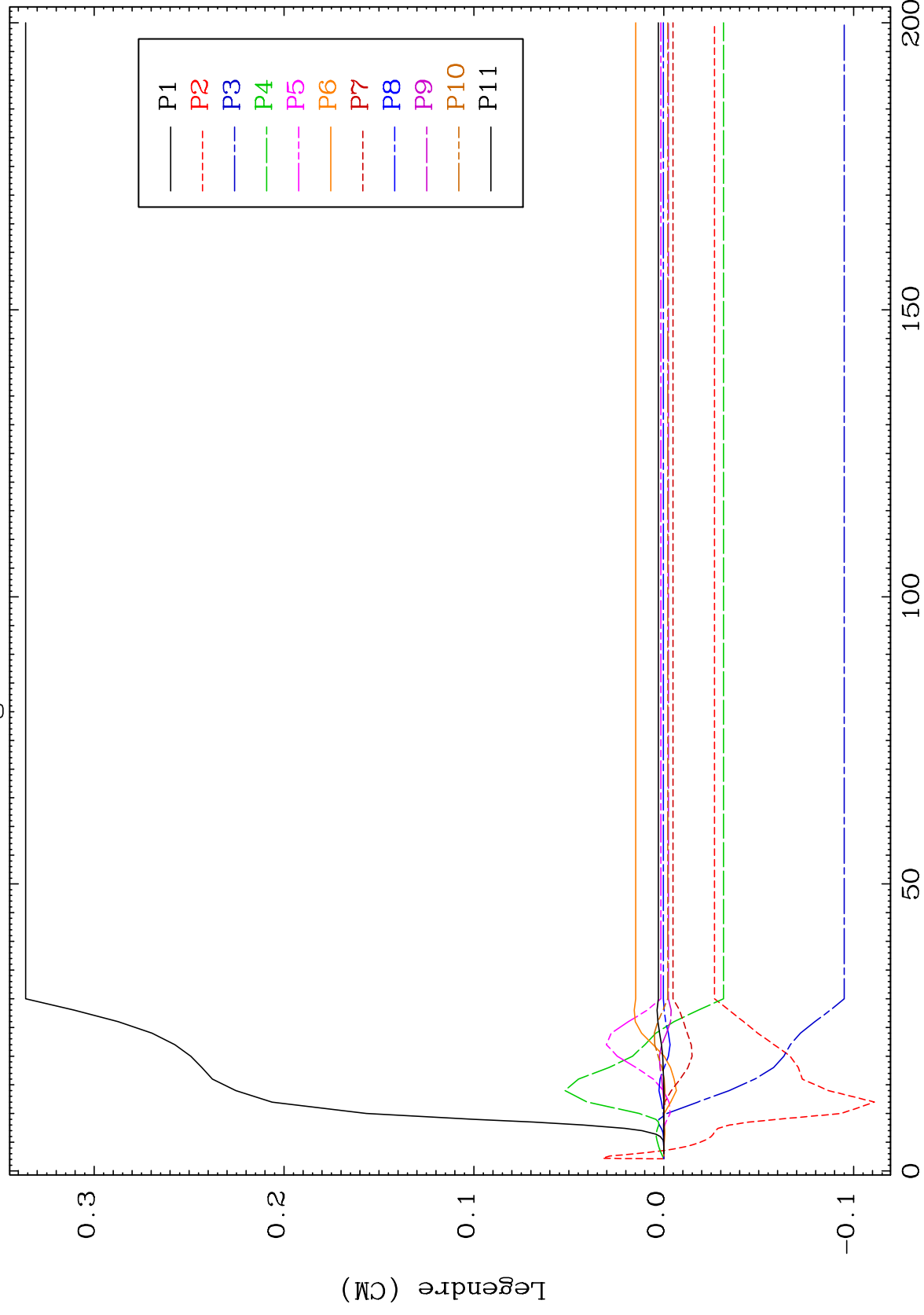




MAT 5016

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

50-Sn-109



50-Sn-109

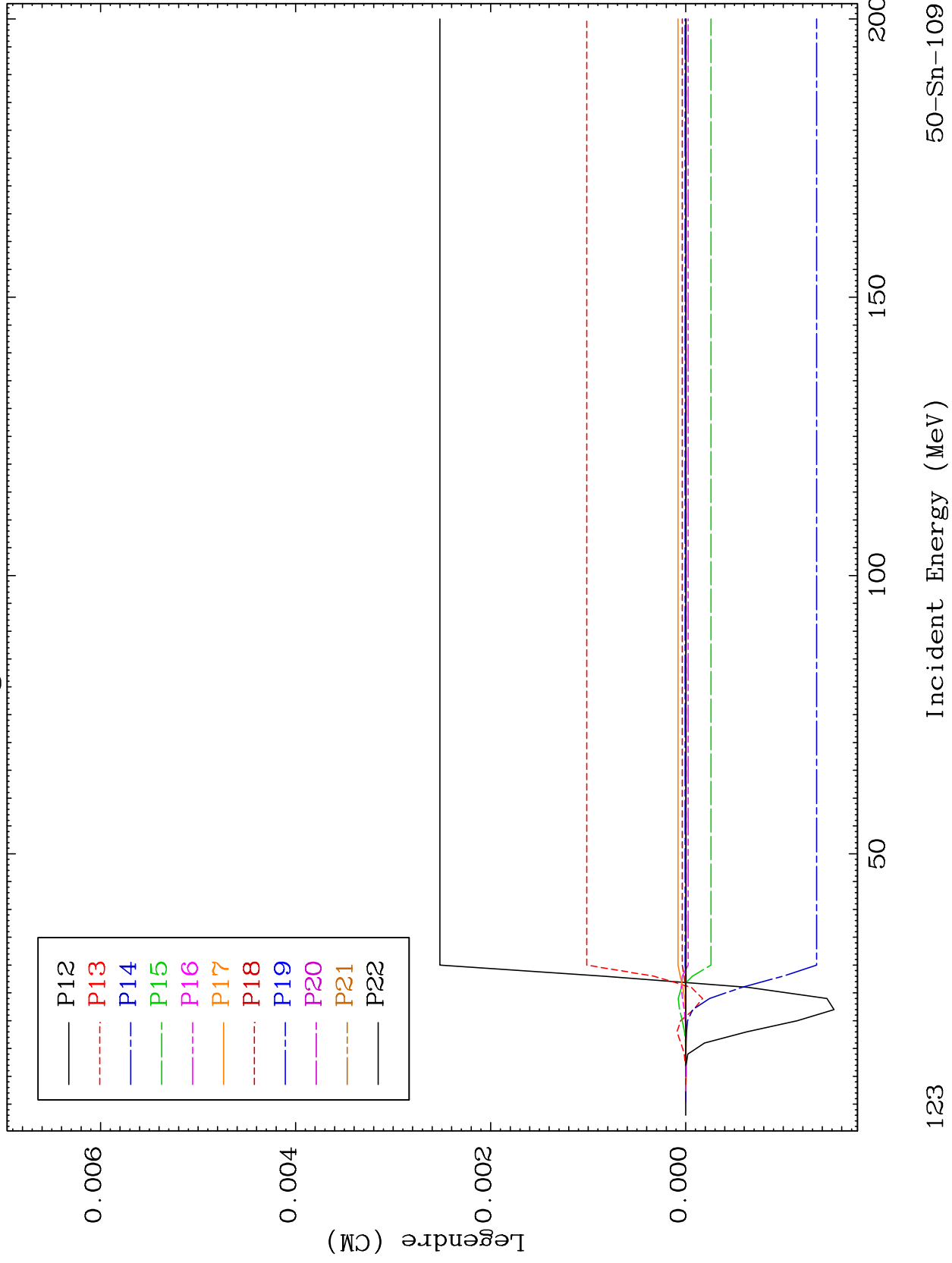
Incident Energy (MeV)

122

MAT 5016

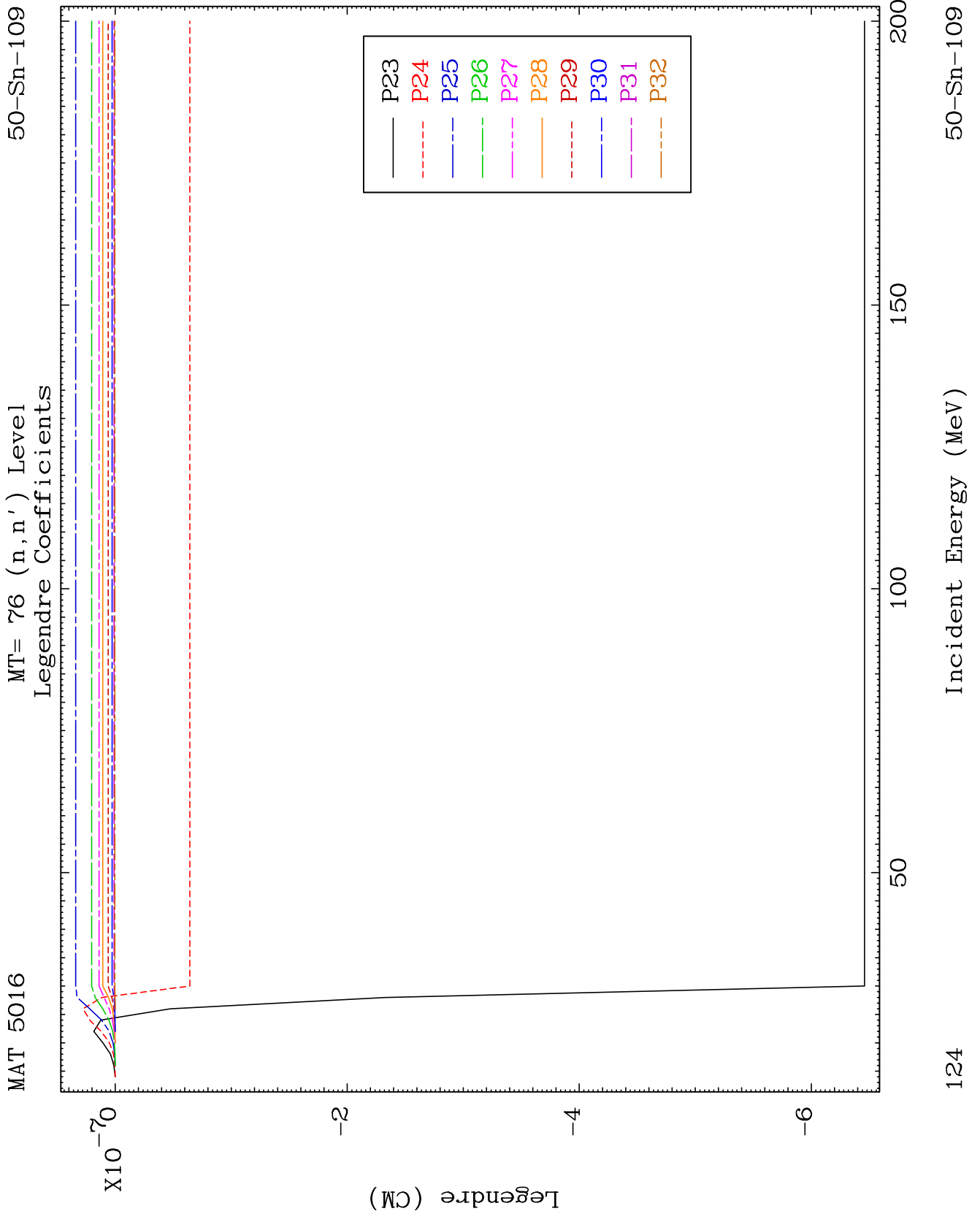
MT= 76 (n,n') Level
Legendre Coefficients

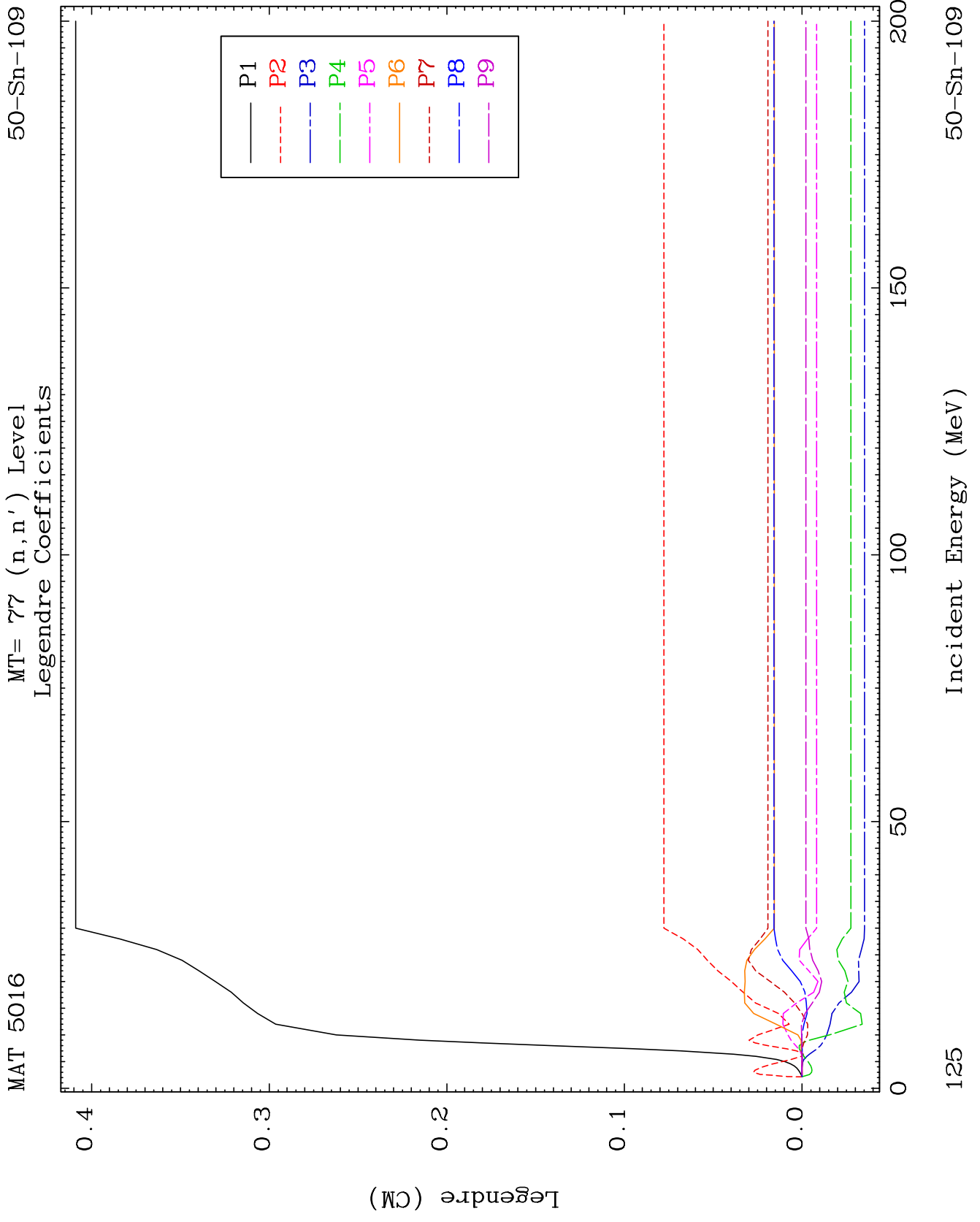
50-Sn-109

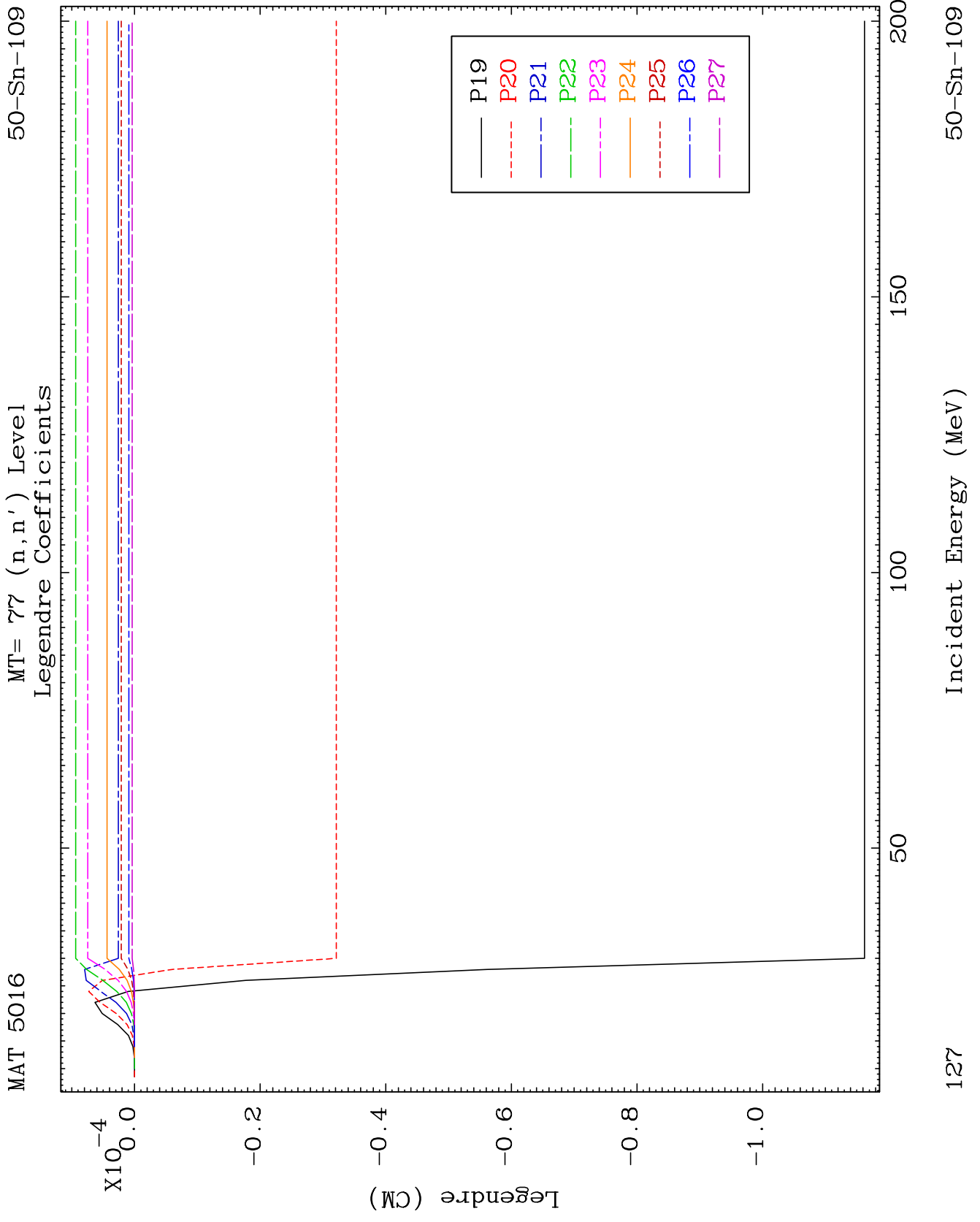


123

50-Sn-109



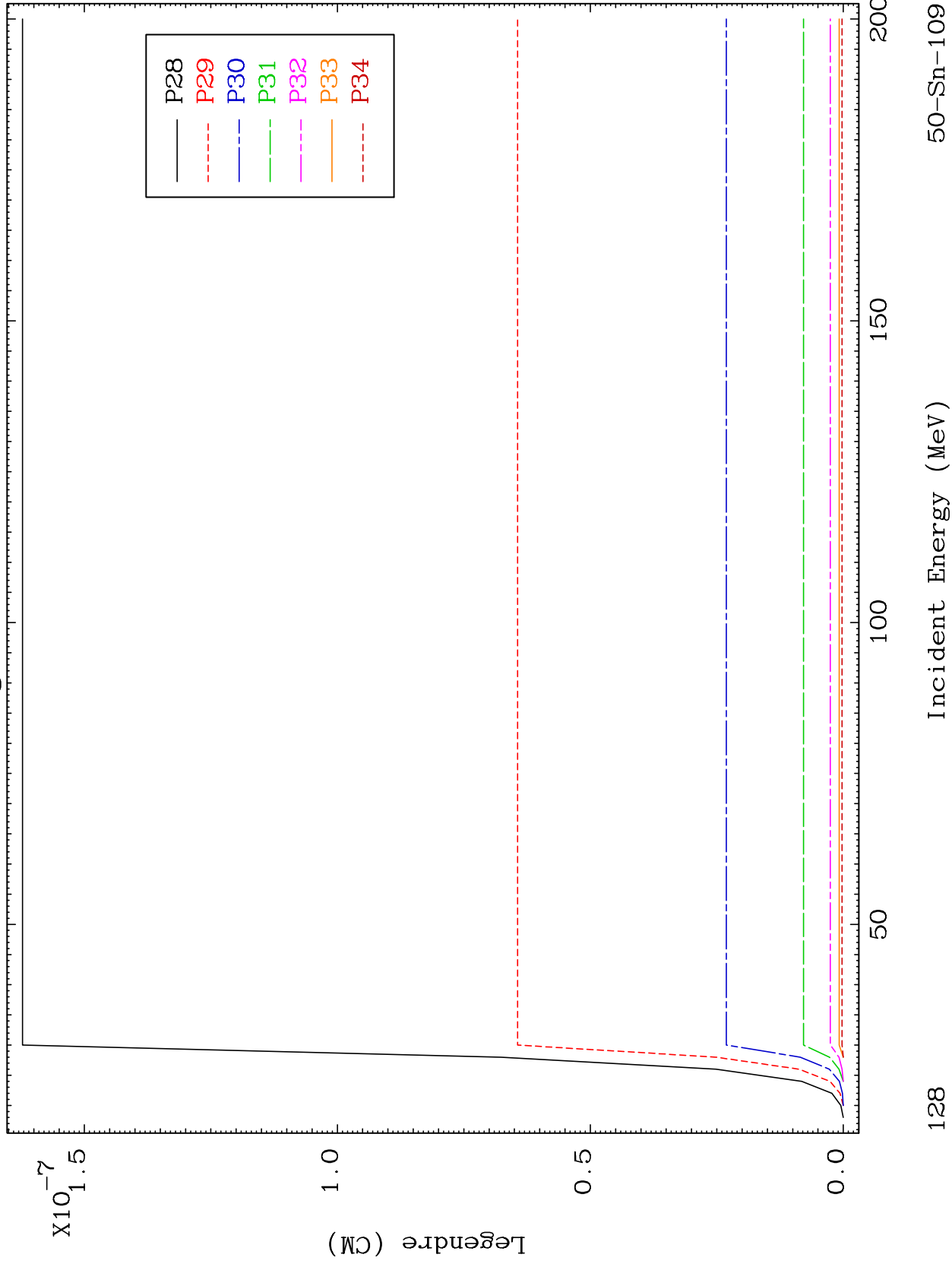




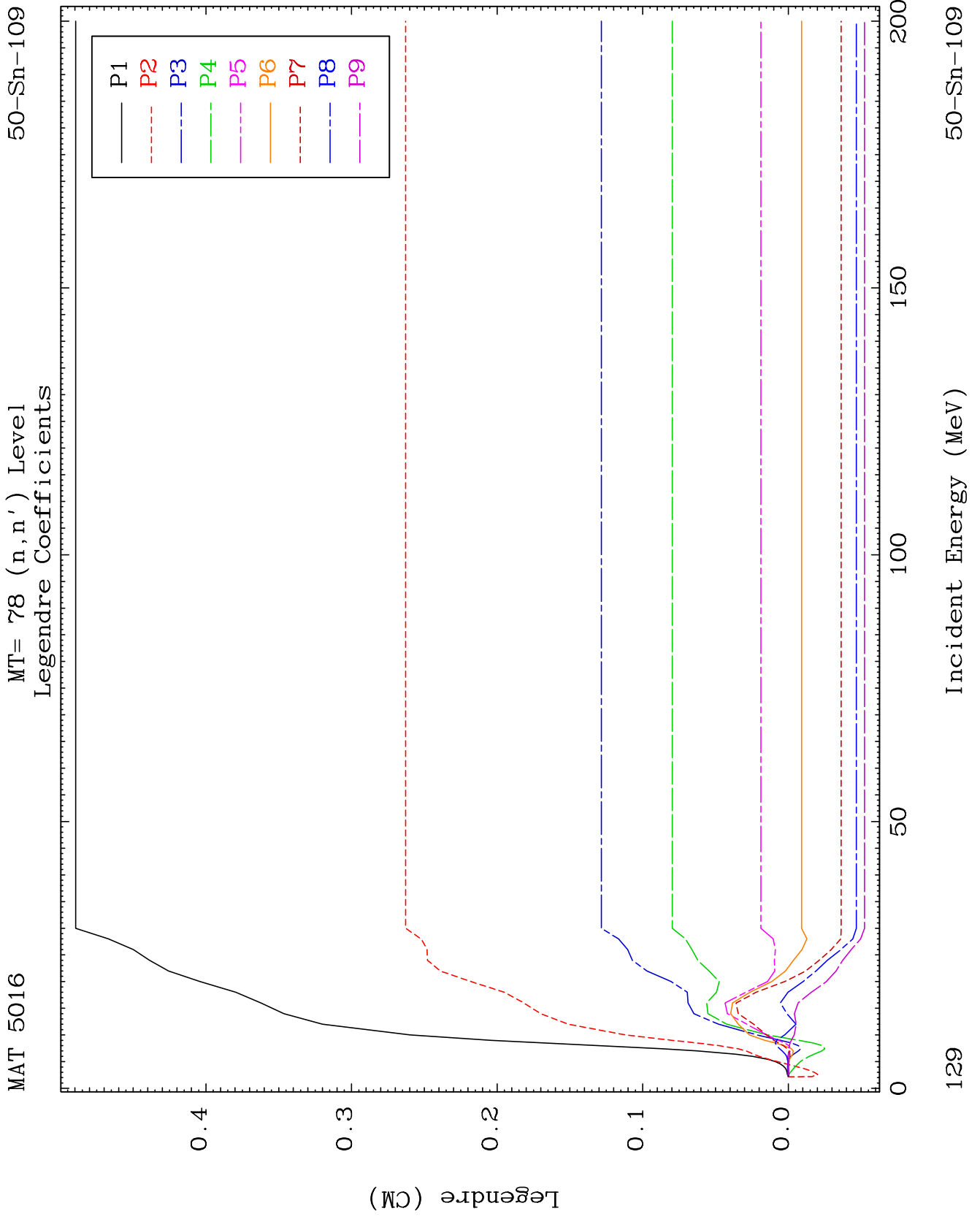
MAT 5016

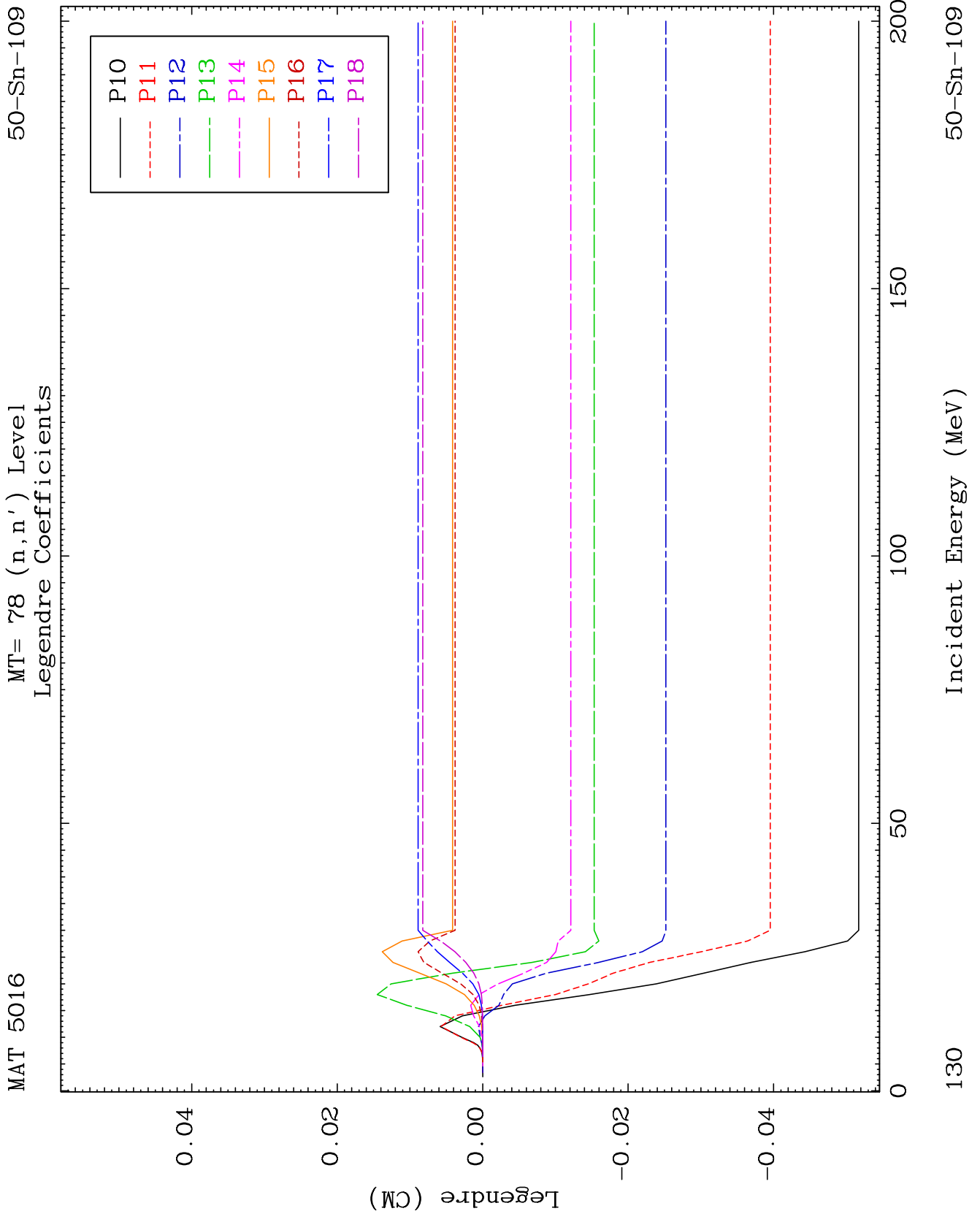
MT= 77 (n,n') Level
Legendre Coefficients

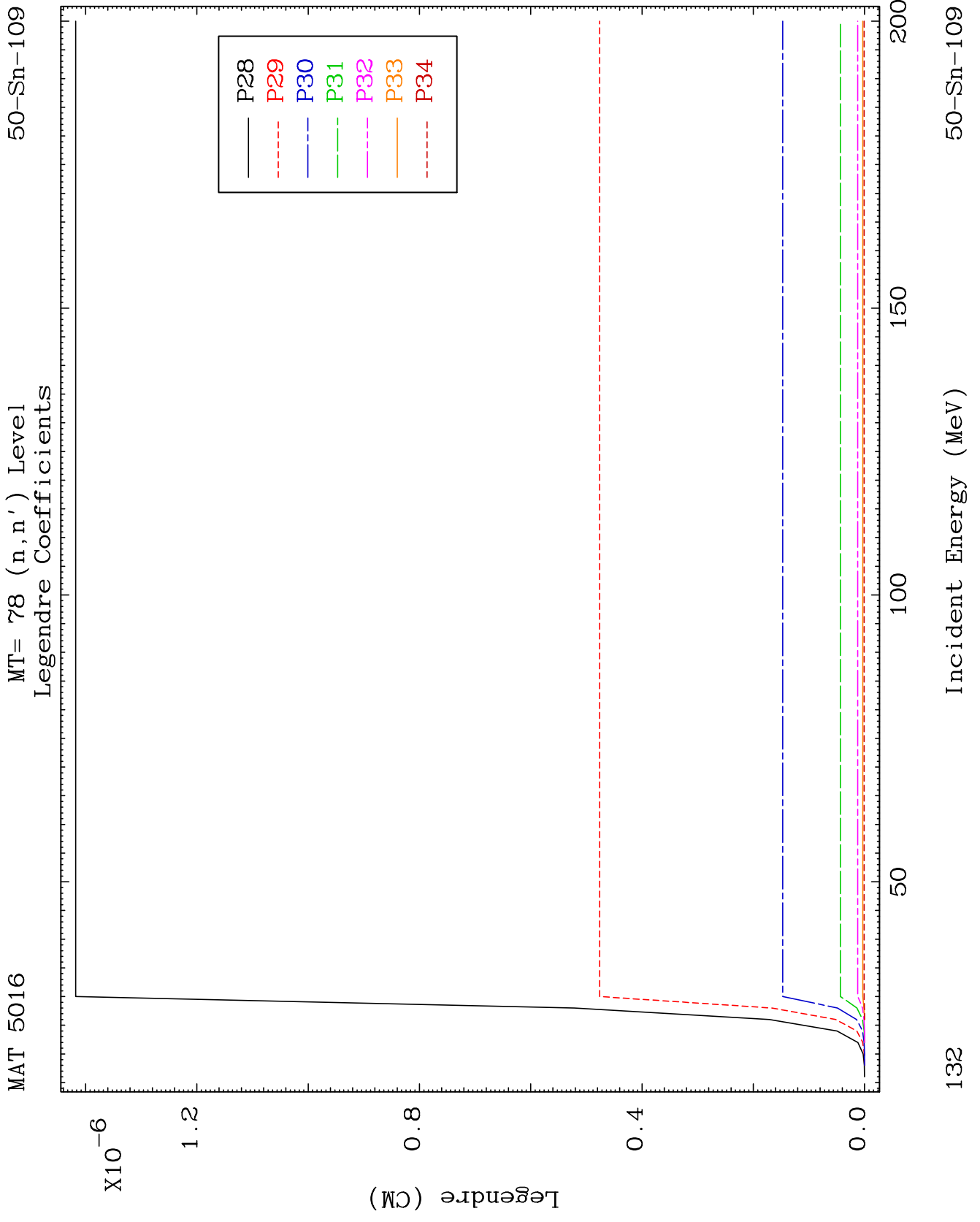
50-Sn-109

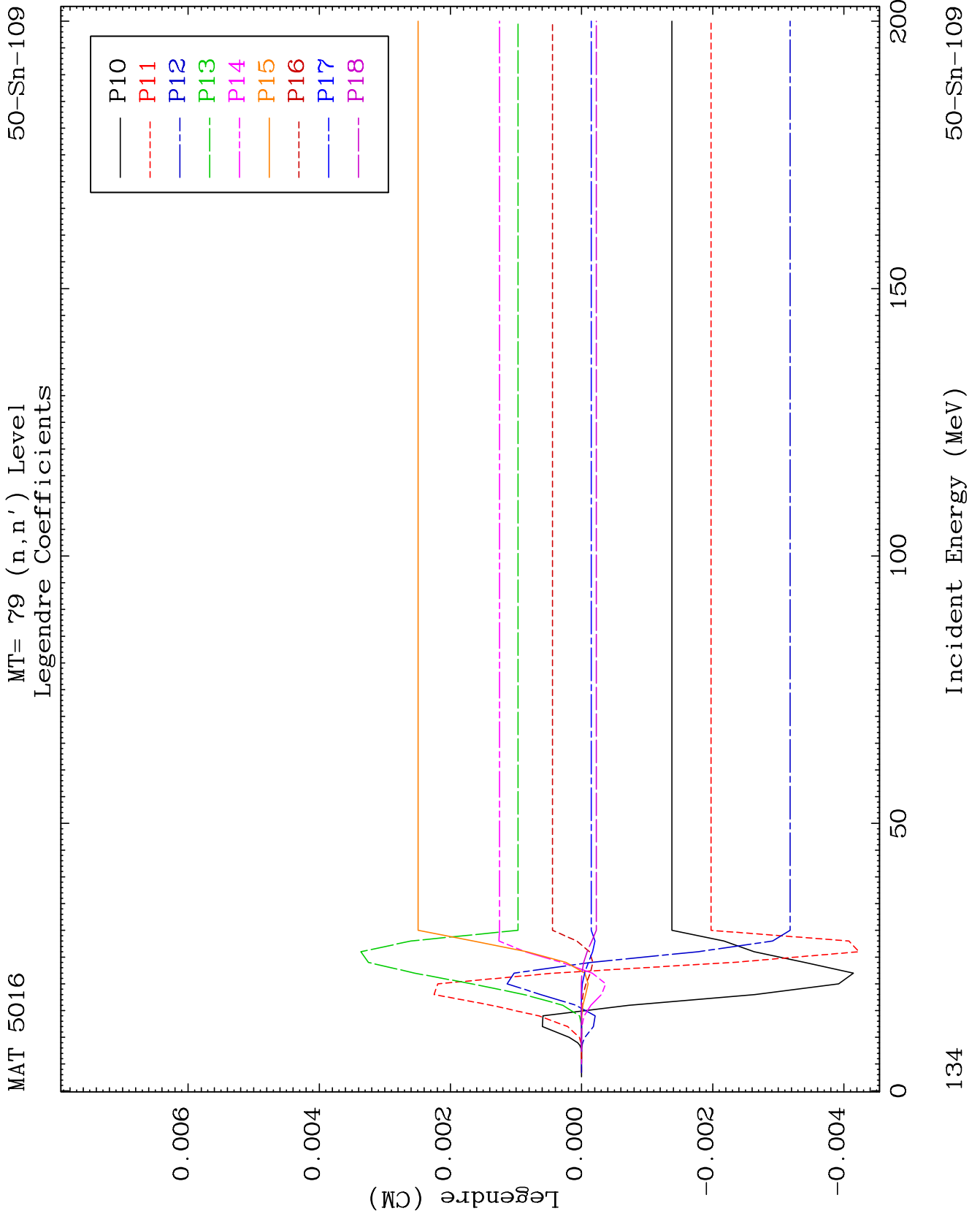


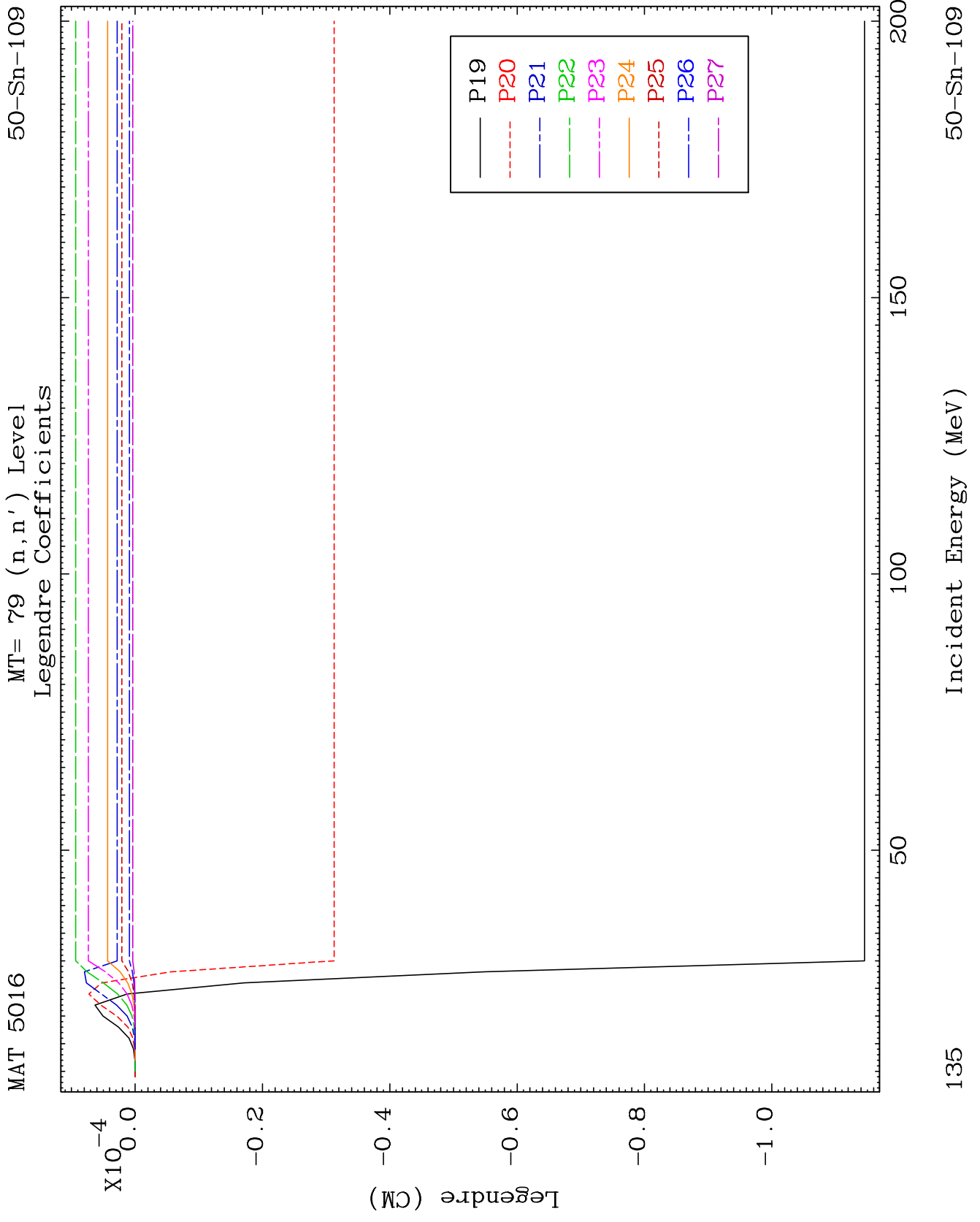
128

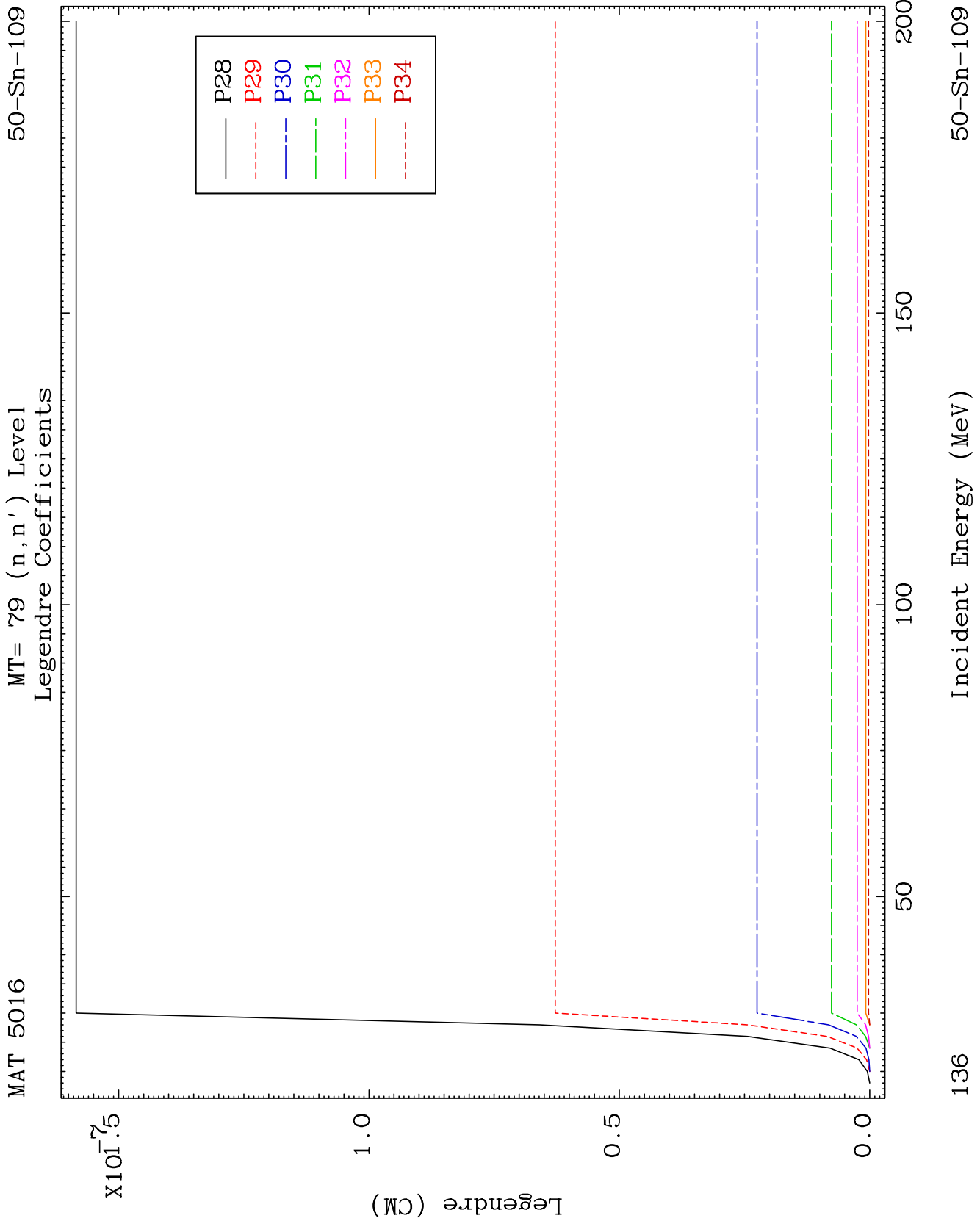


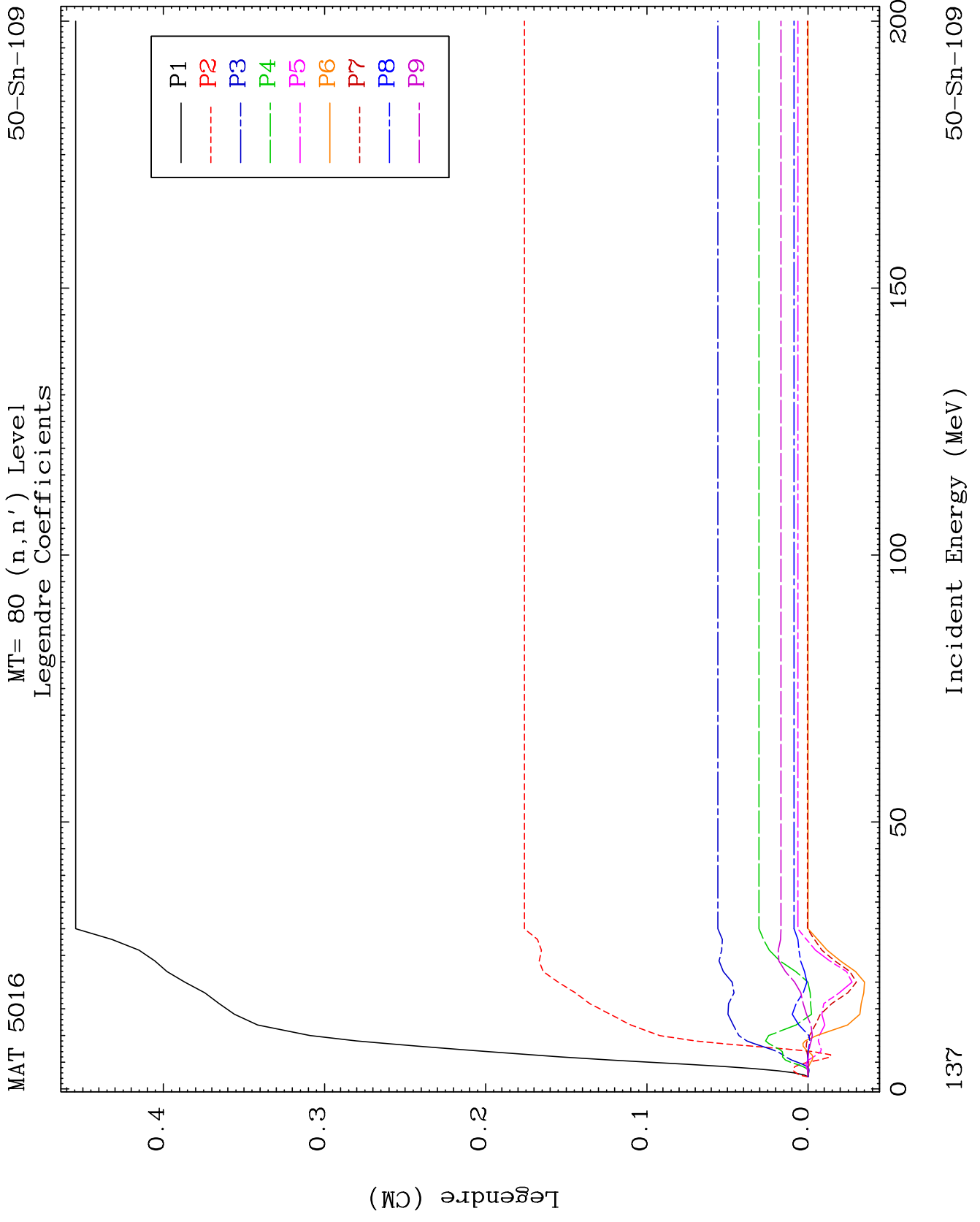


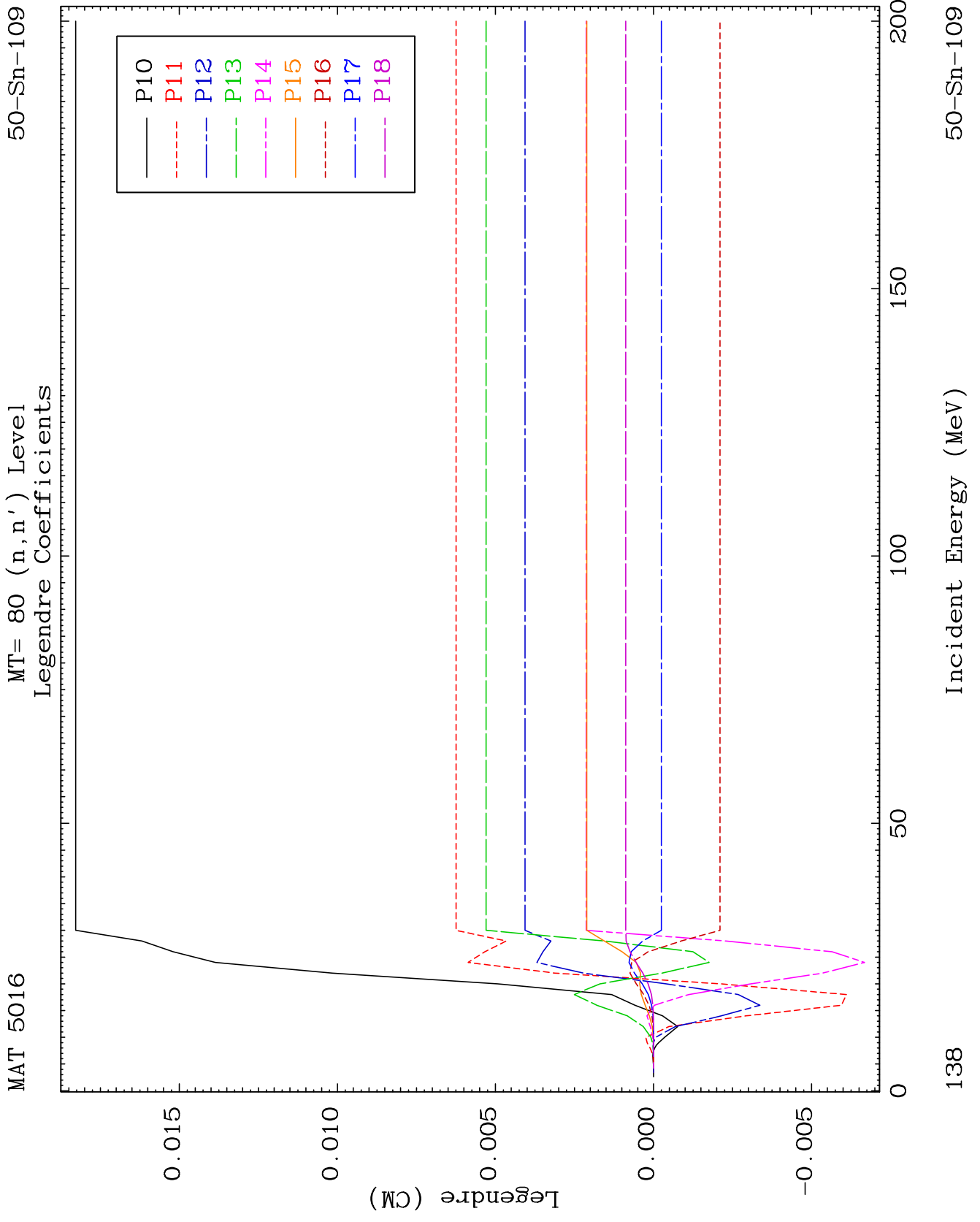








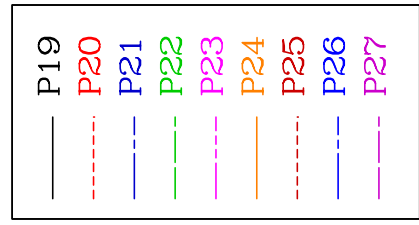




MAT 5016

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

50-Sn-109



$\times 10^{-3}$

1.5

Legendre (CM)

1.0

0.5

0.0

50

100

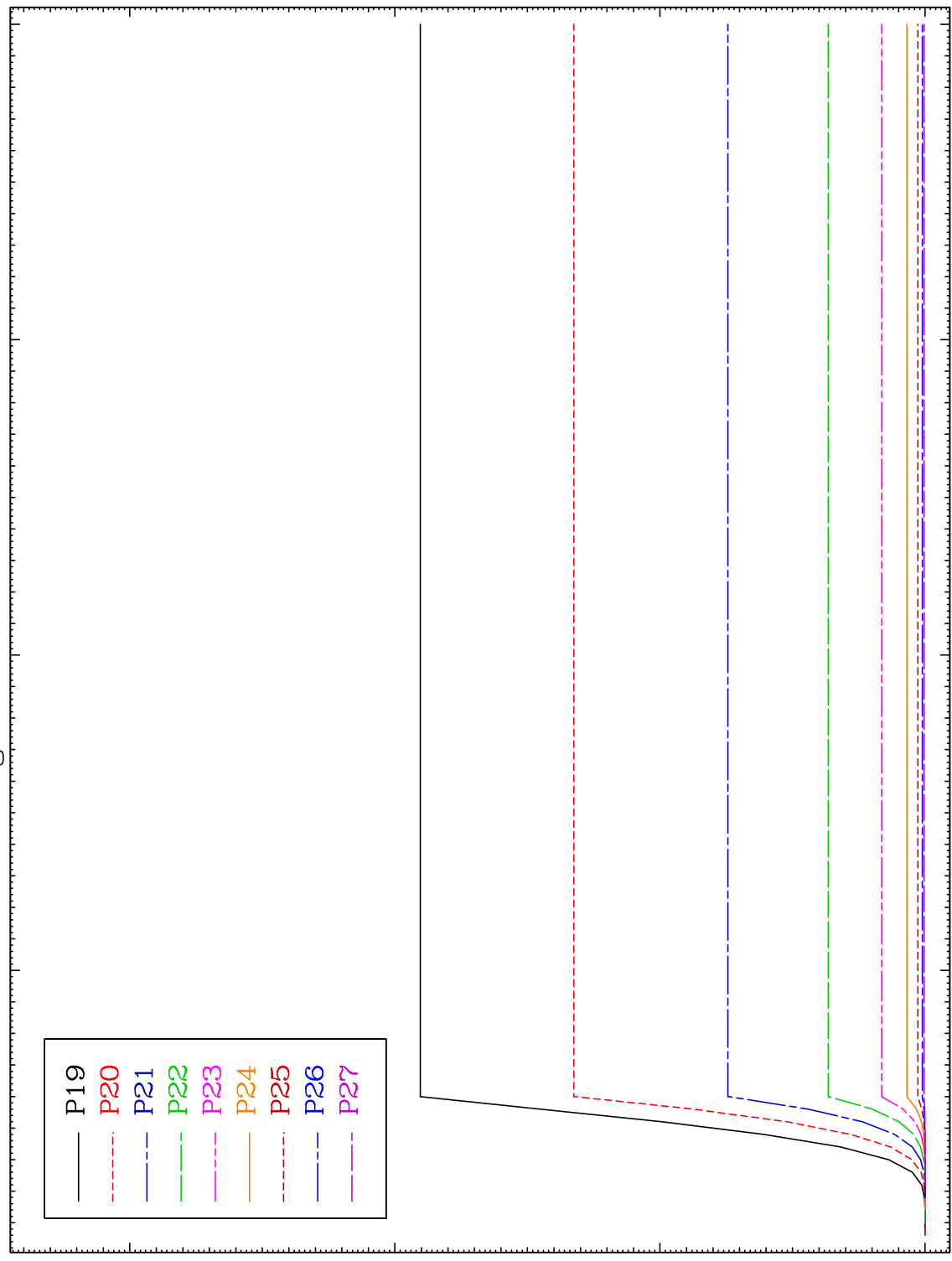
150

200

139

Incident Energy (MeV)

50-Sn-109

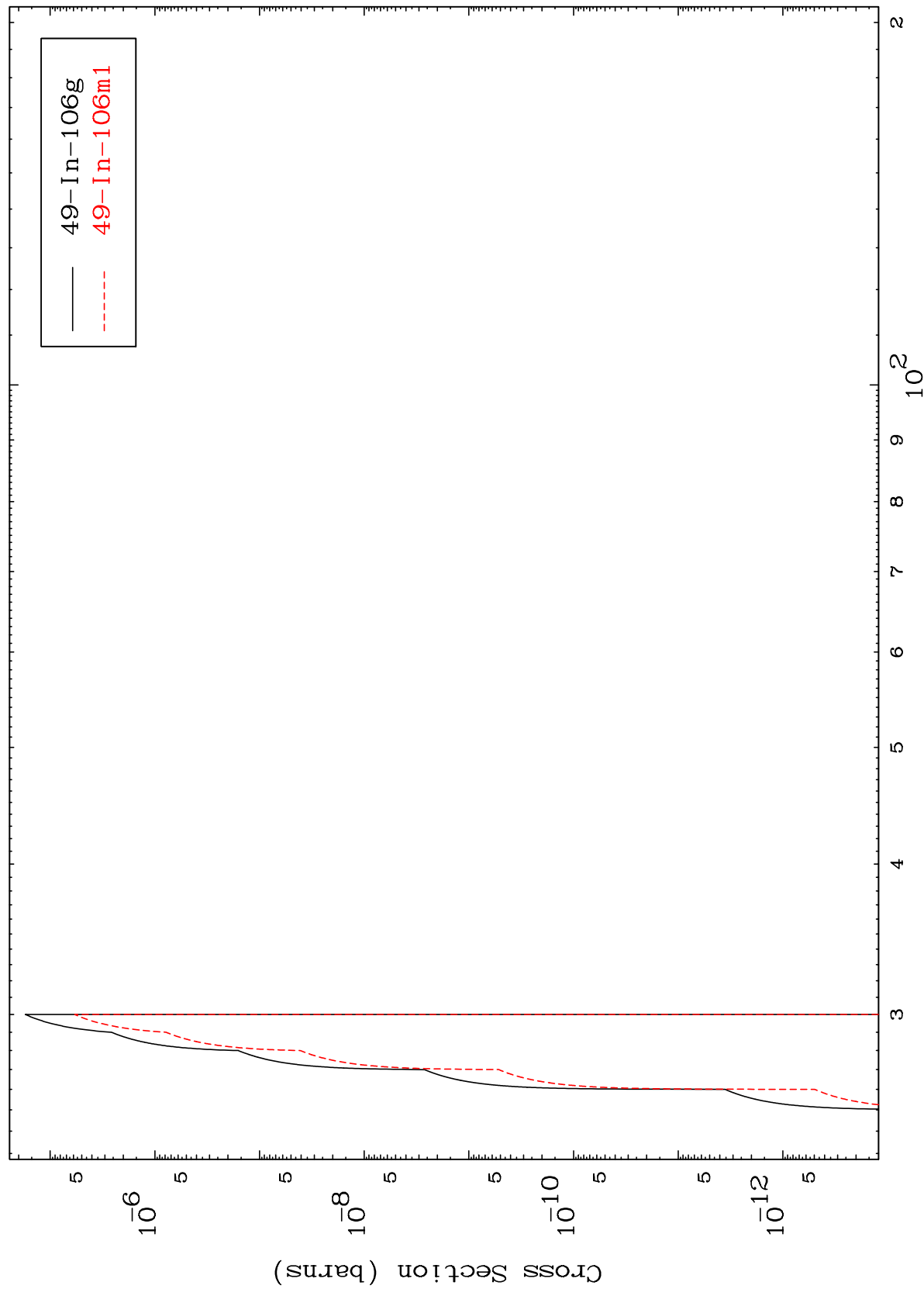


MAT 5016

(n,2n) d

50-Sn-109

Radionuclide Production Cross Section



141

Incident Energy (MeV)

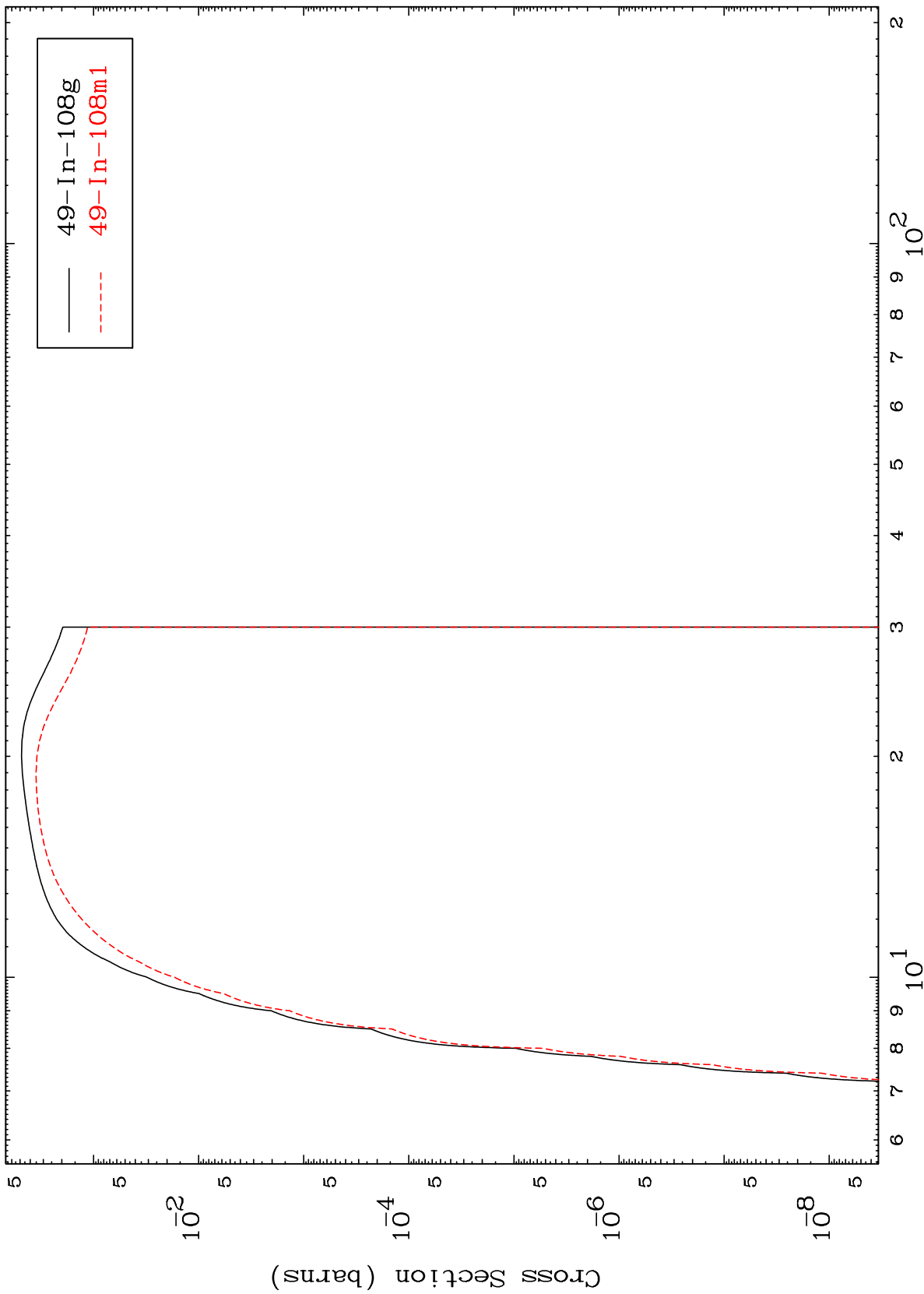
50-Sn-109

MAT 5016

(n,n') p

50-Sn-109

Radionuclide Production Cross Section



142

Incident Energy (MeV)

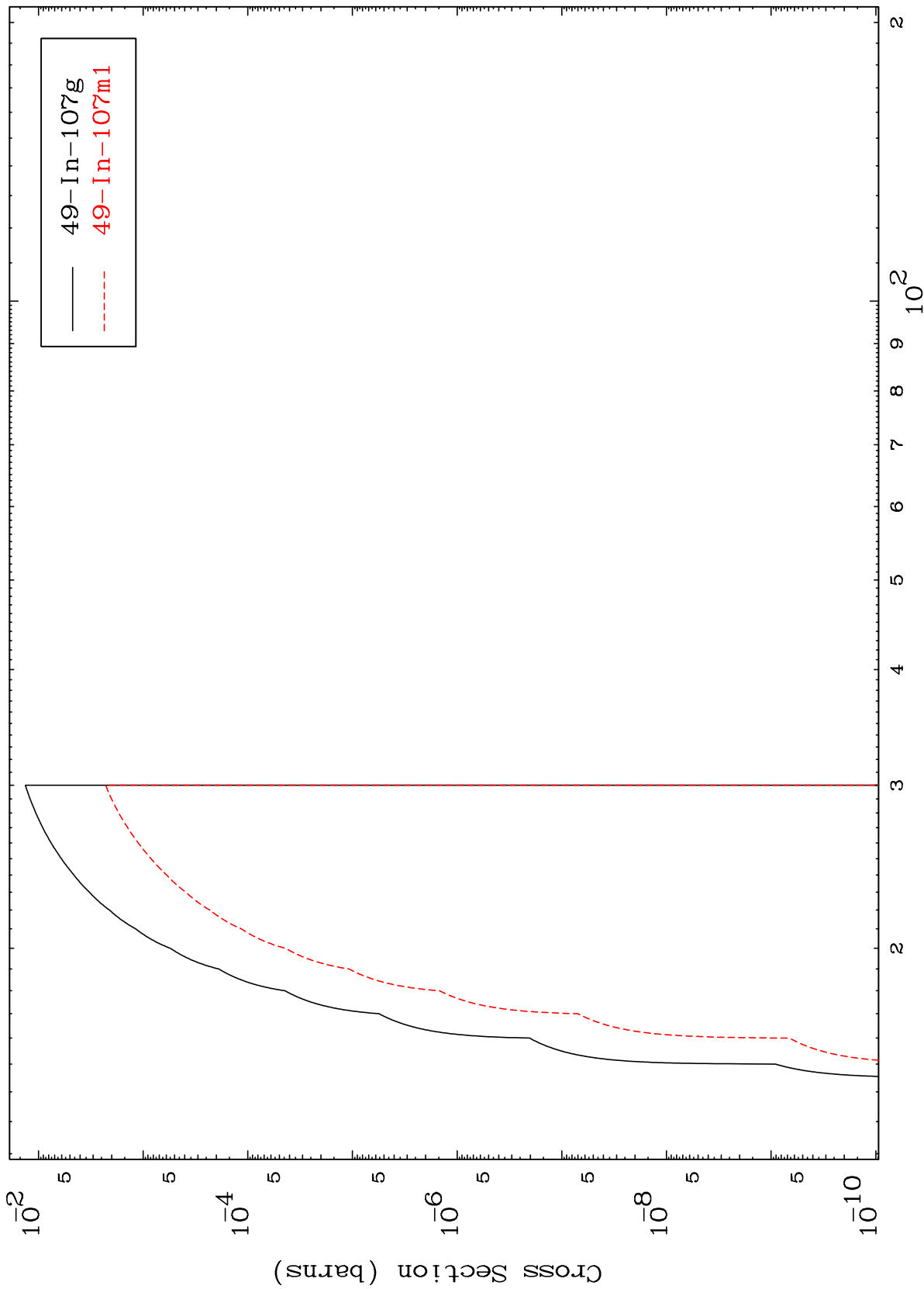
50-Sn-109

MAT 5016

(n,n') d

50-Sn-109

Radionuclide Production Cross Section



143

Incident Energy (MeV)

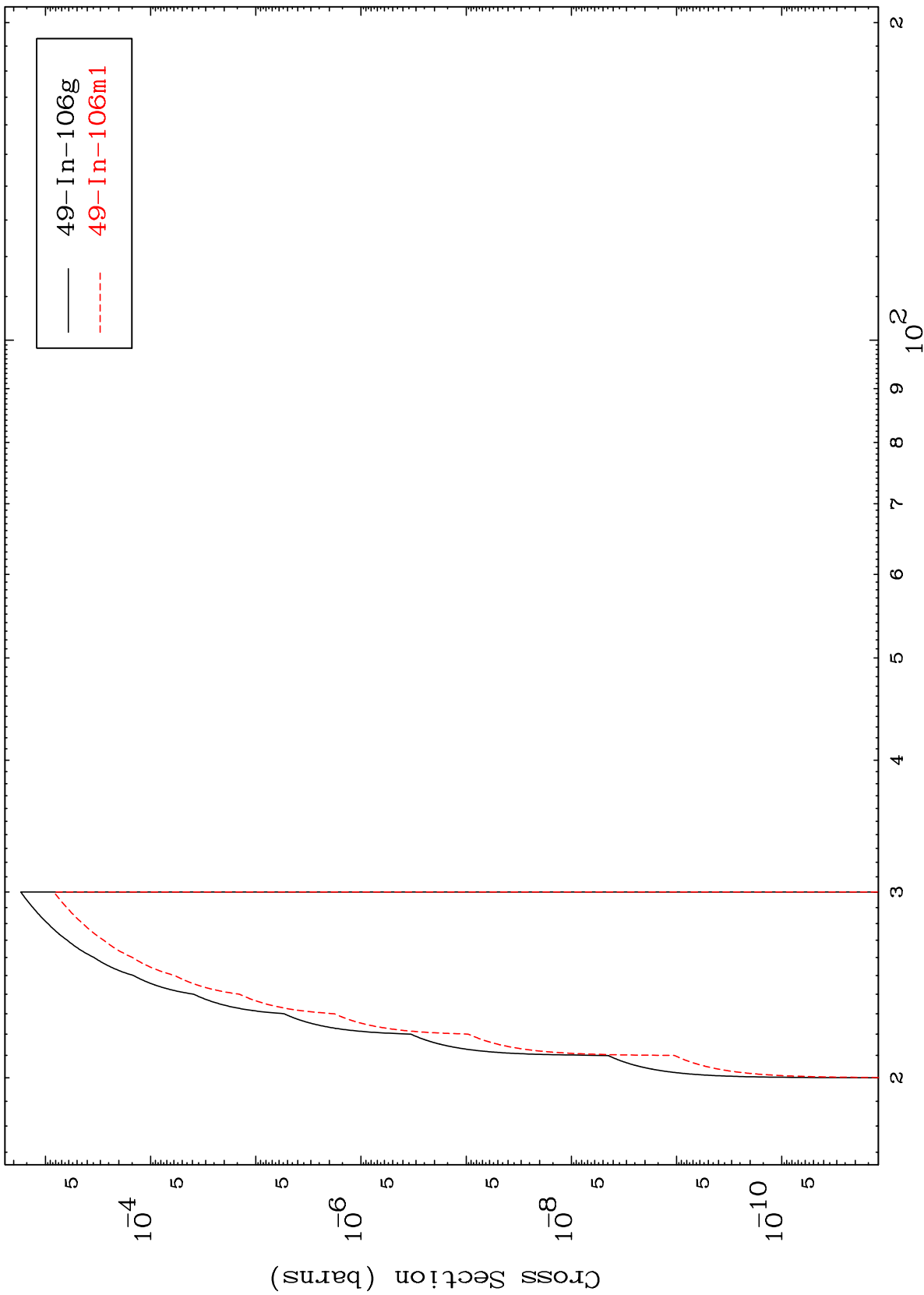
50-Sn-109

MAT 5016

(n,n') t

50-Sn-109

Radionuclide Production Cross Section



144

Incident Energy (MeV)

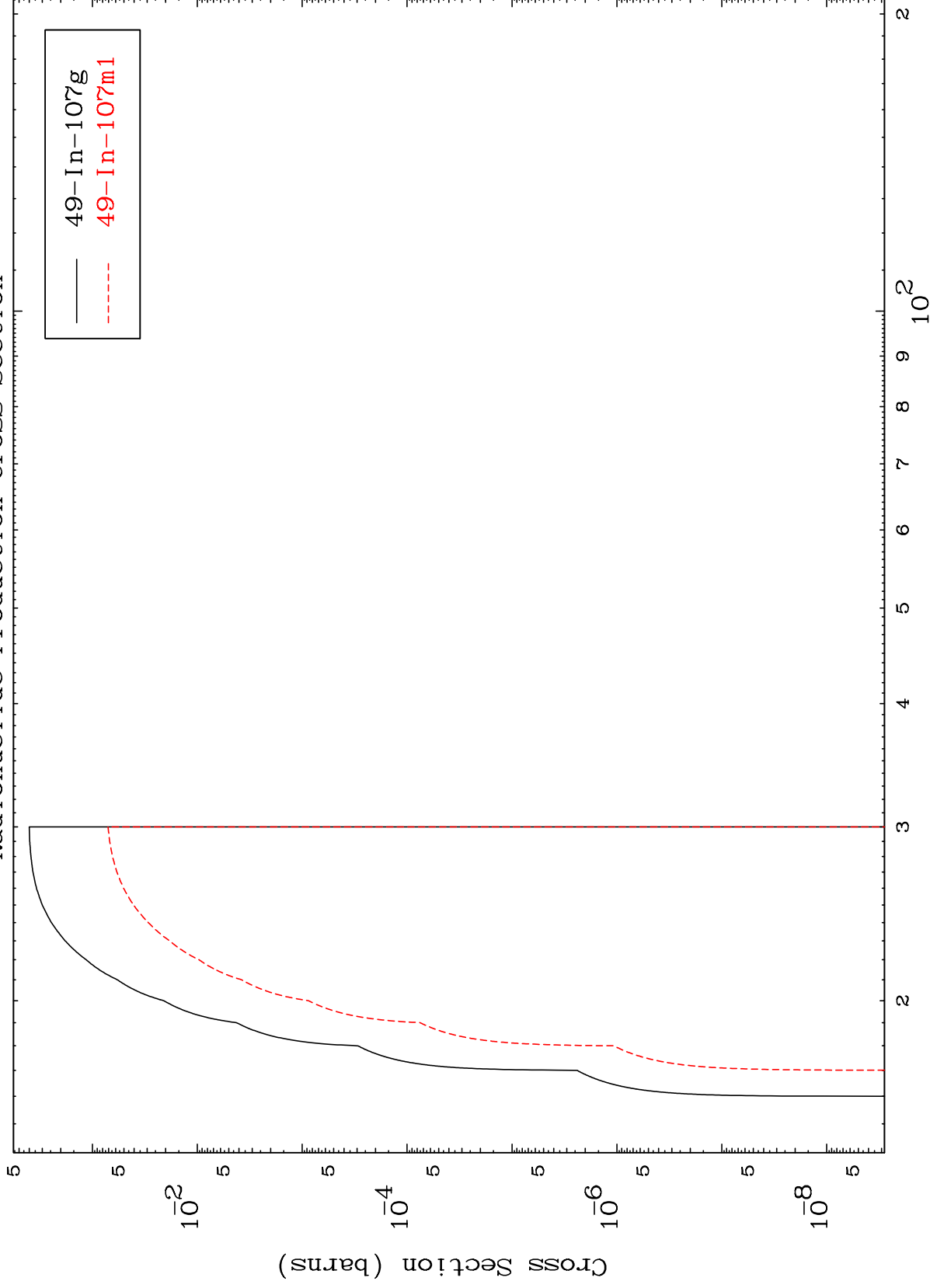
50-Sn-109

MAT 5016

(n,2n) p

50-Sn-109

Radionuclide Production Cross Section



145

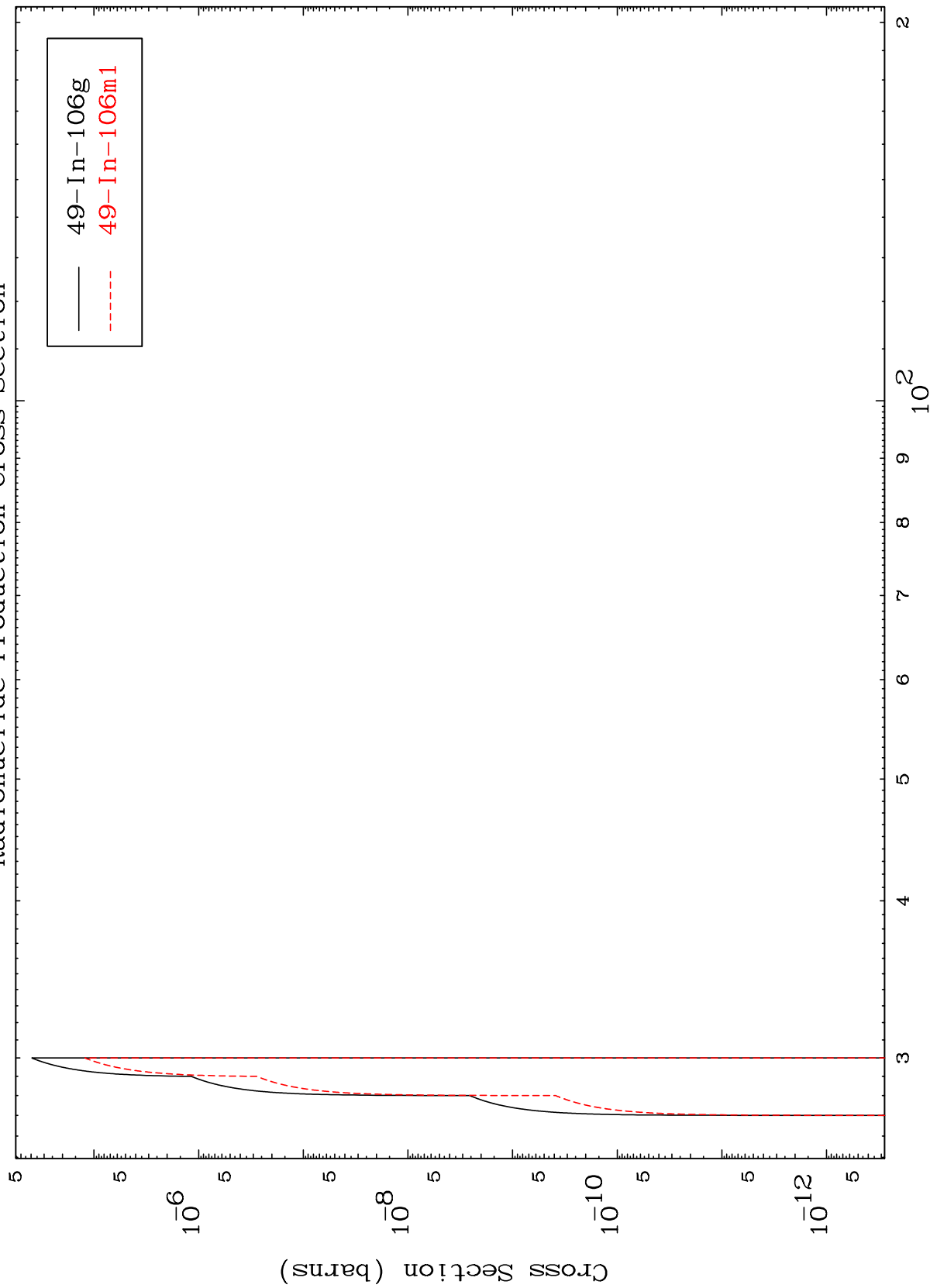
Incident Energy (MeV)

50-Sn-109

MAT 5016

50-Sn-109

(n,3n) p
Radionuclide Production Cross Section



146

50-Sn-109

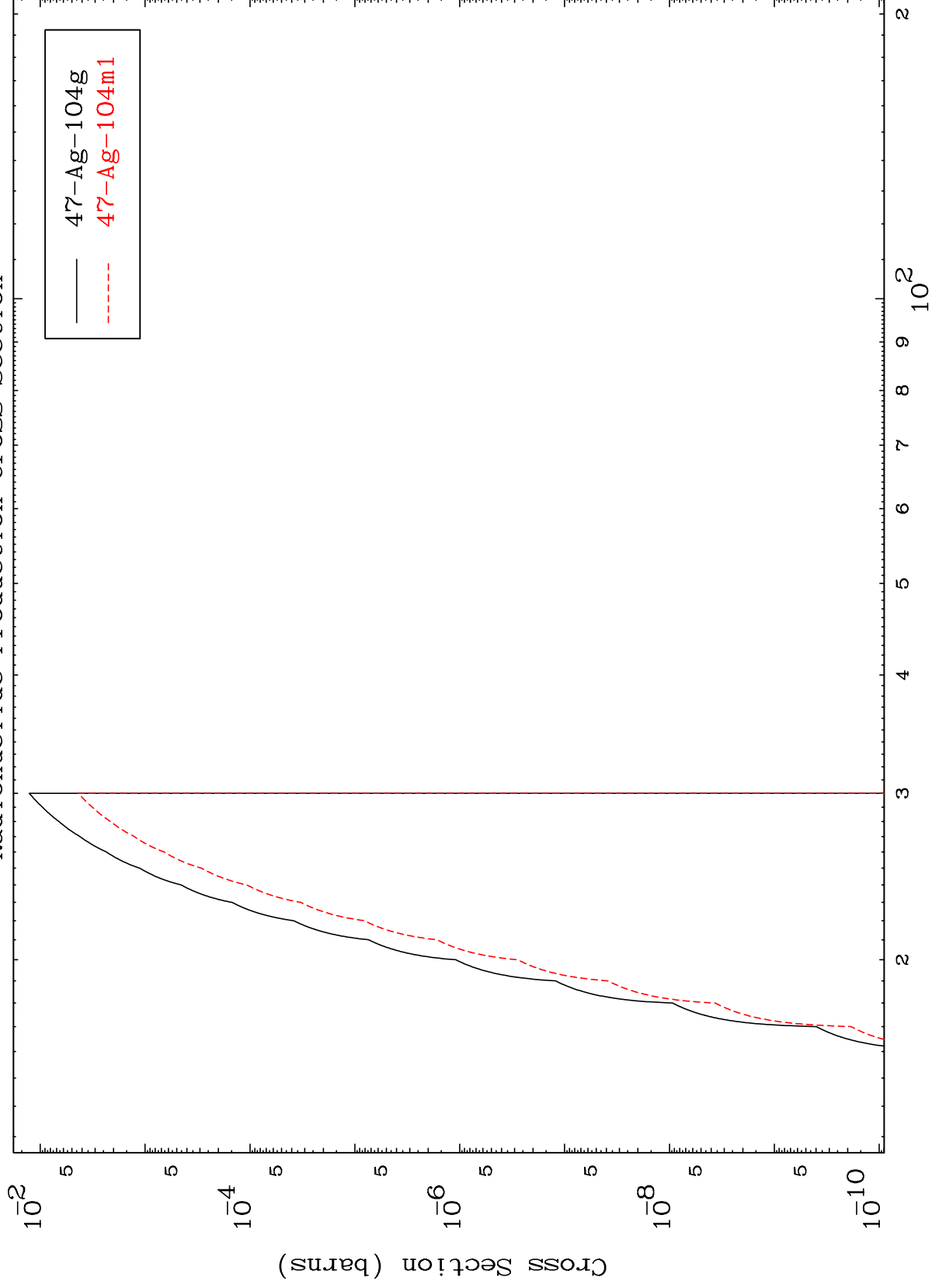
Incident Energy (MeV)

MAT 5016

(n,n') p α

50-Sn-109

Radionuclide Production Cross Section



147

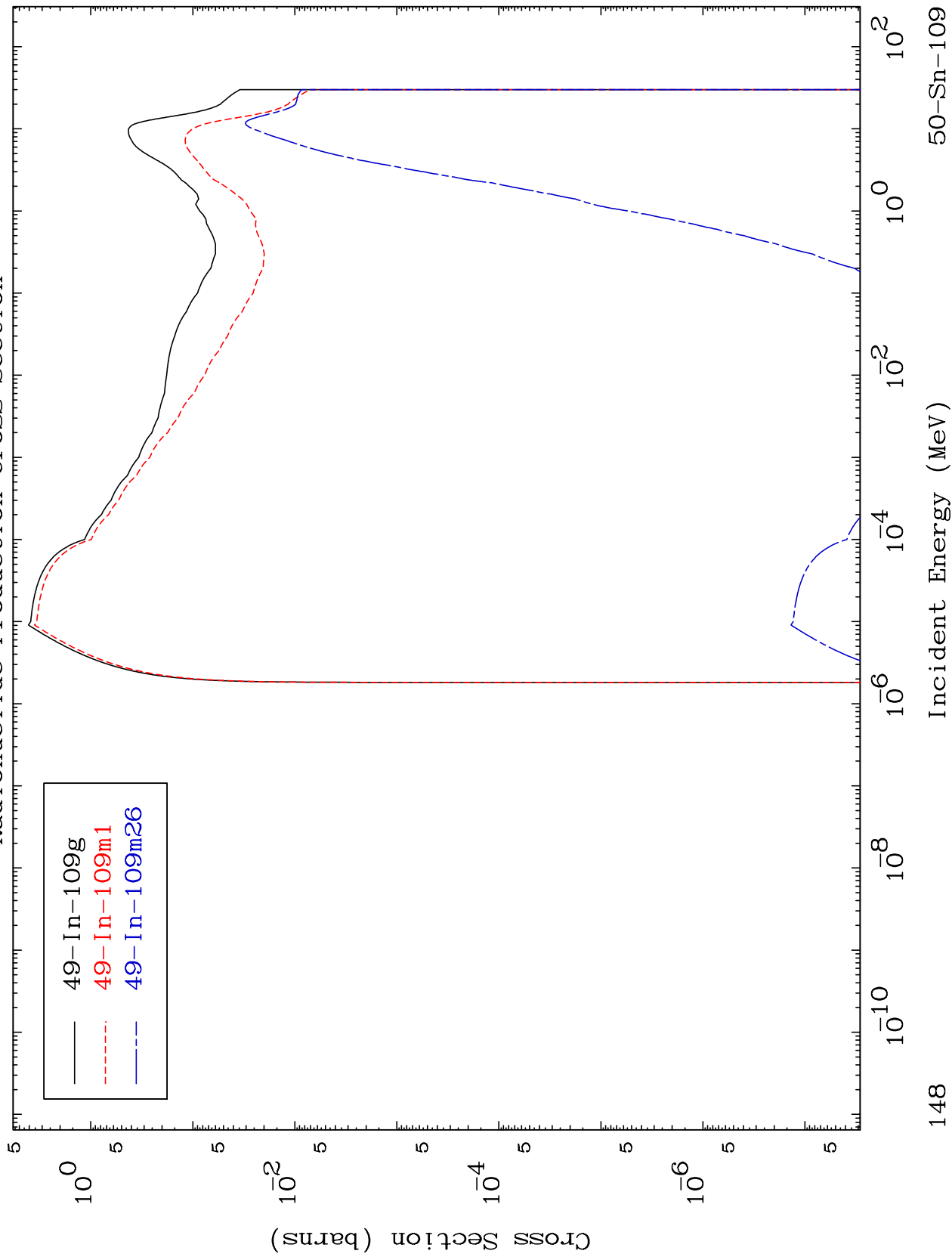
Incident Energy (MeV)

50-Sn-109

MAT 5016

50-Sn-109

(n,p)
Radionuclide Production Cross Section

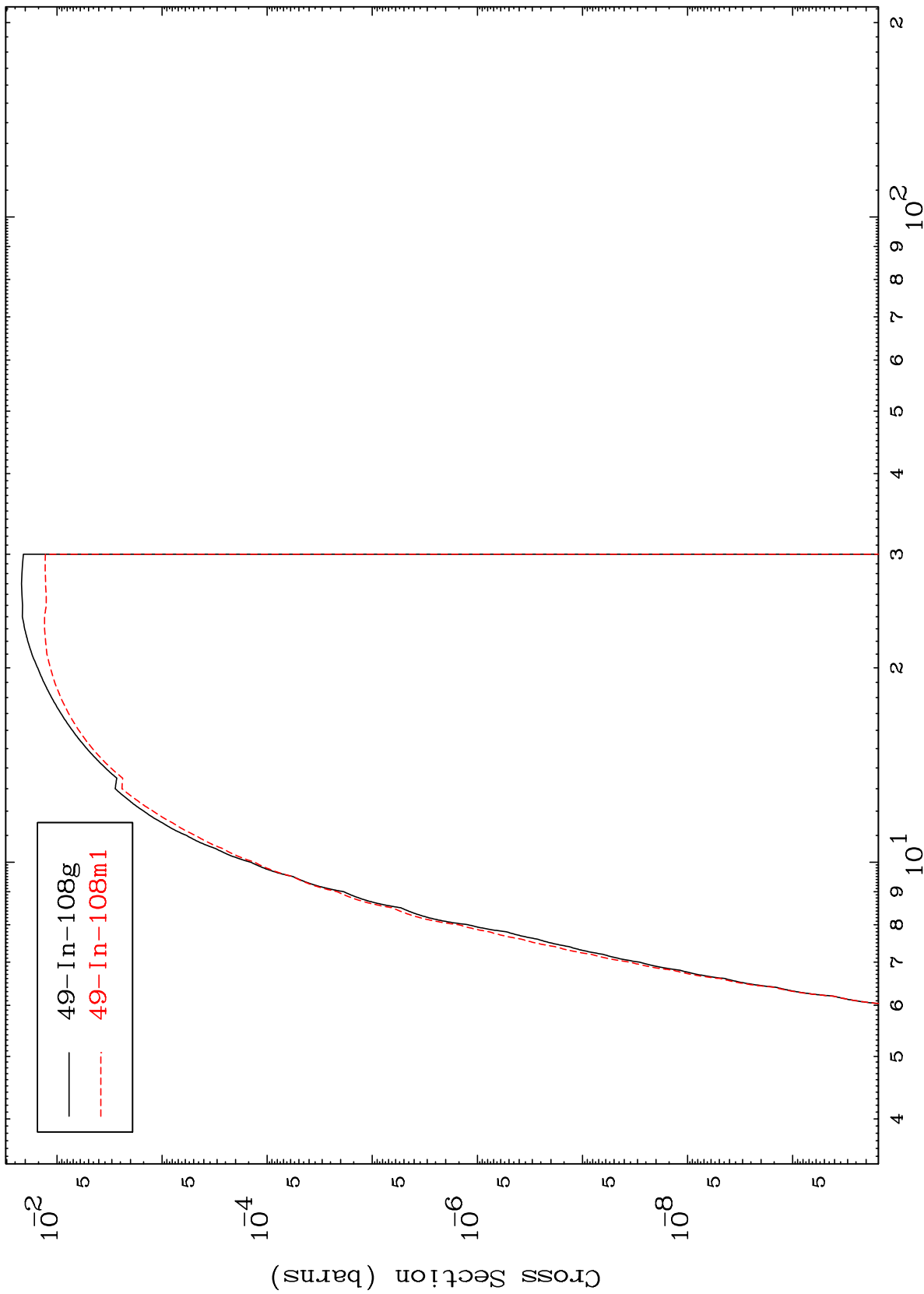


148

MAT 5016

50-Sn-109

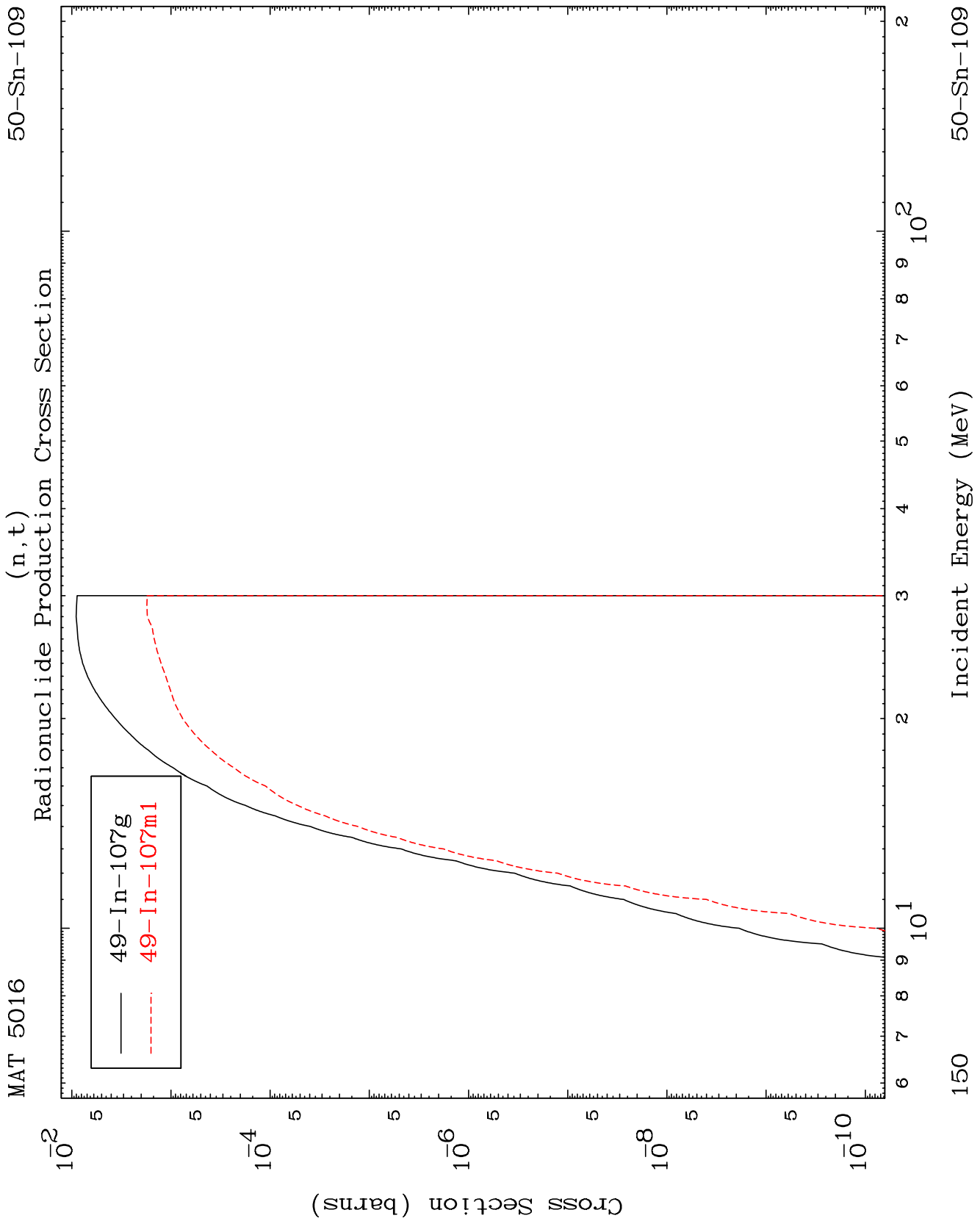
(n,d)
Radionuclide Production Cross Section



149

Incident Energy (MeV)

50-Sn-109

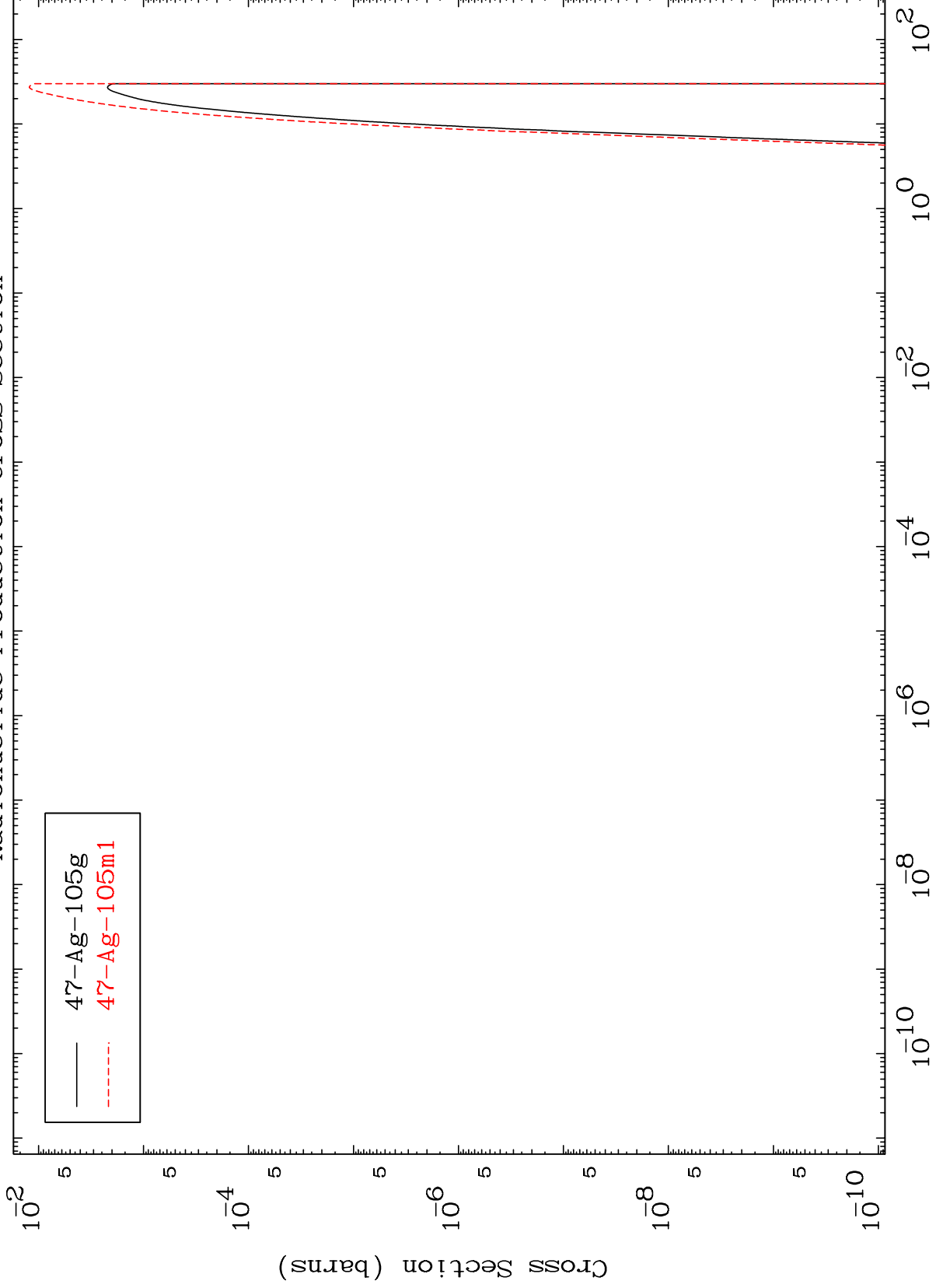


MAT 5016

(n,p) α

50-Sn-109

Radionuclide Production Cross Section



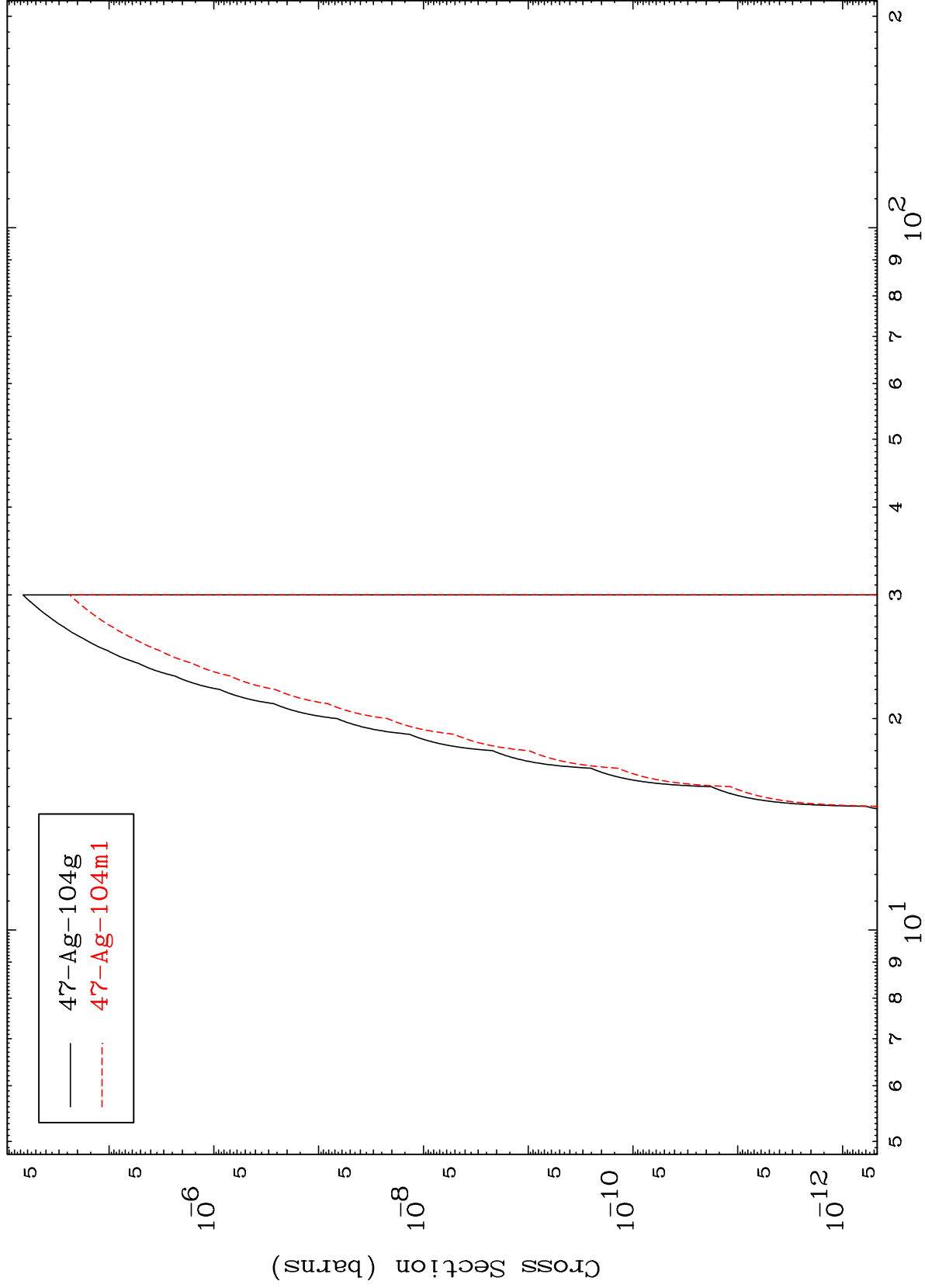
— 47-Ag-105g
- - - 47-Ag-105m1

MAT 5016

(n,d) α

50-Sn-109

Radionuclide Production Cross Section



152

Incident Energy (MeV)

50-Sn-109