

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

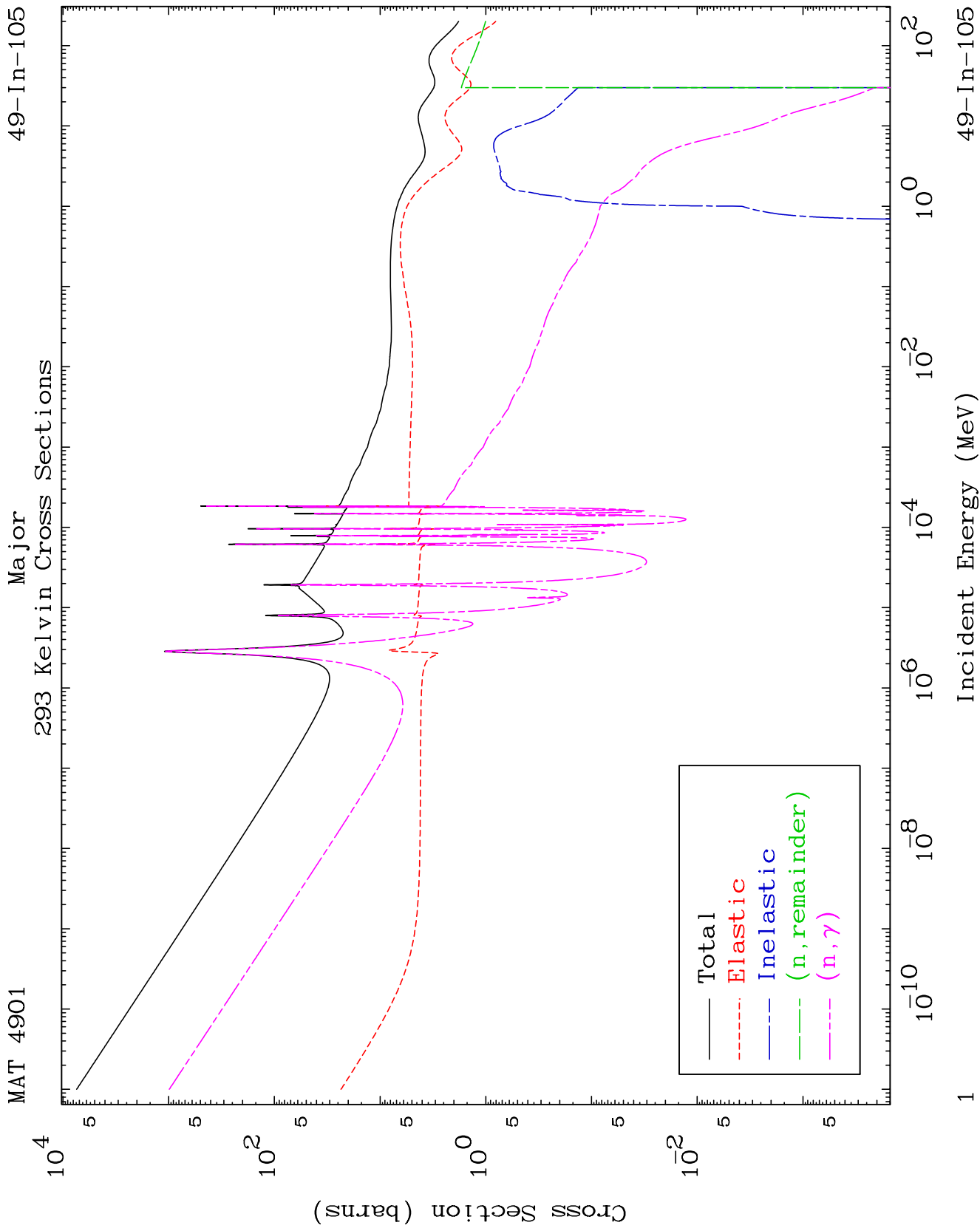
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Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

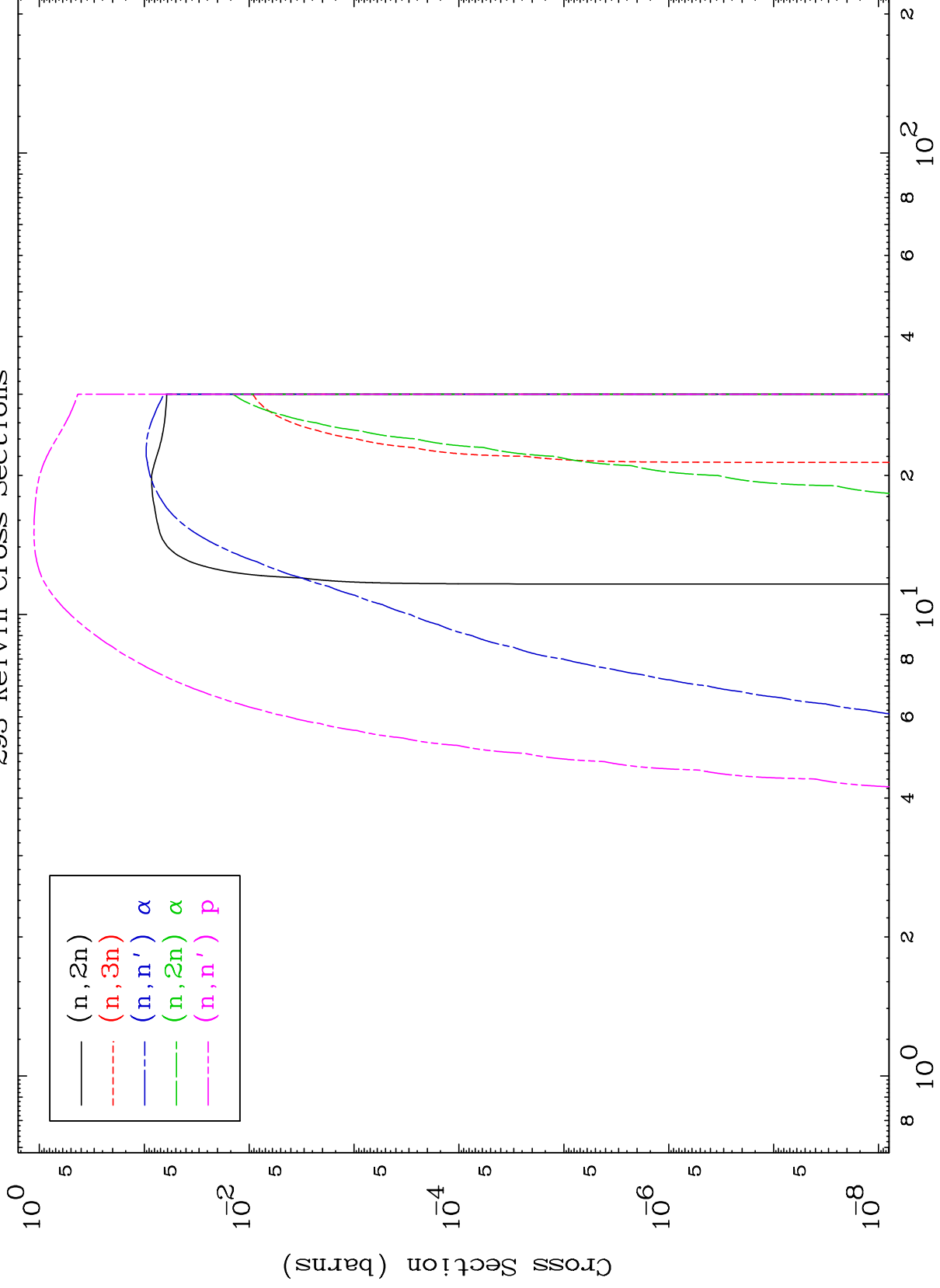
Press Mouse Button to Start



MAT 4901

Neutron Production
293 Kelvin Cross Sections

49-In-105



2

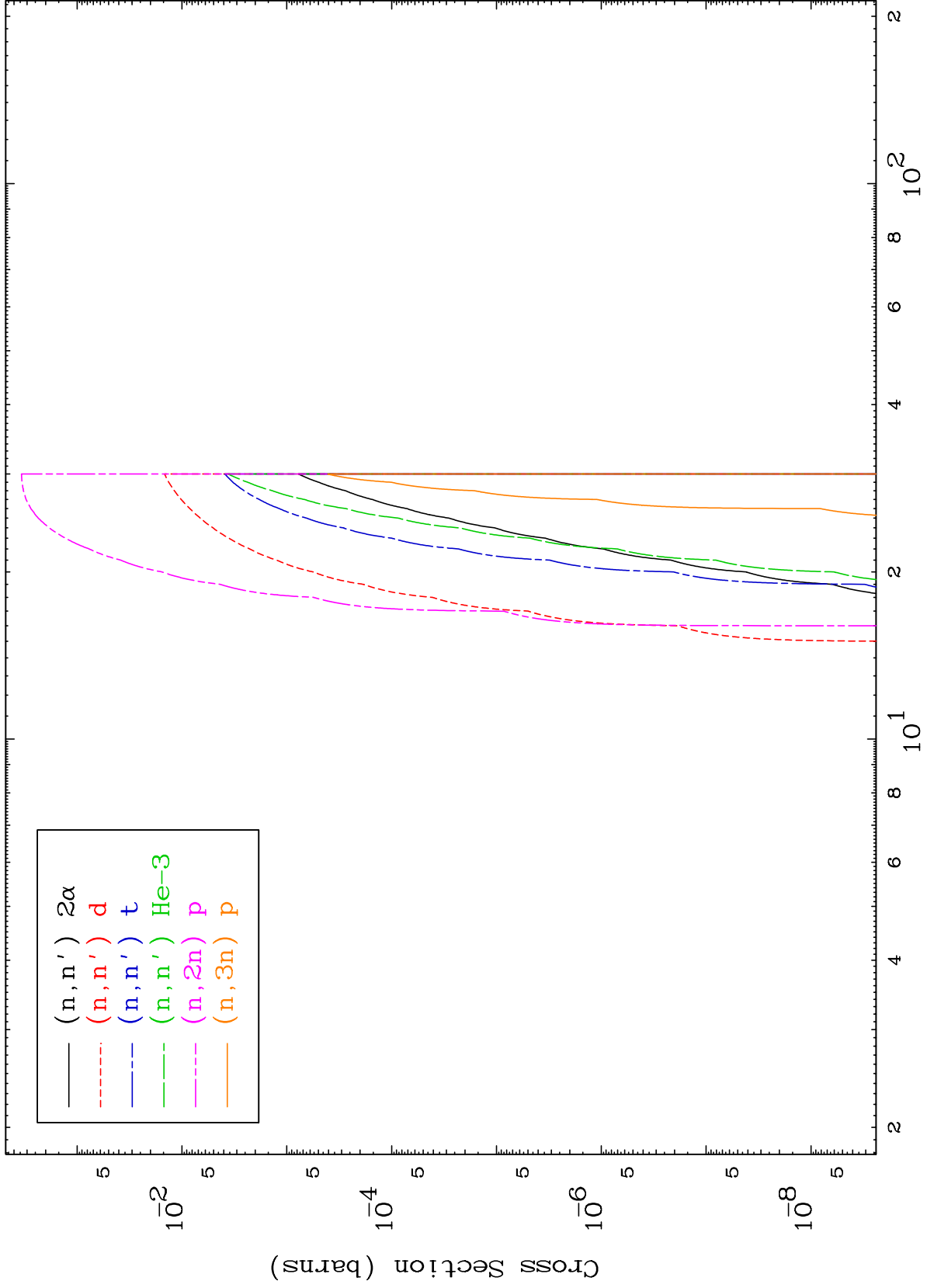
Incident Energy (MeV)

49-In-105

MAT 4901

Neutron Production
293 Kelvin Cross Sections

49-In-105



3

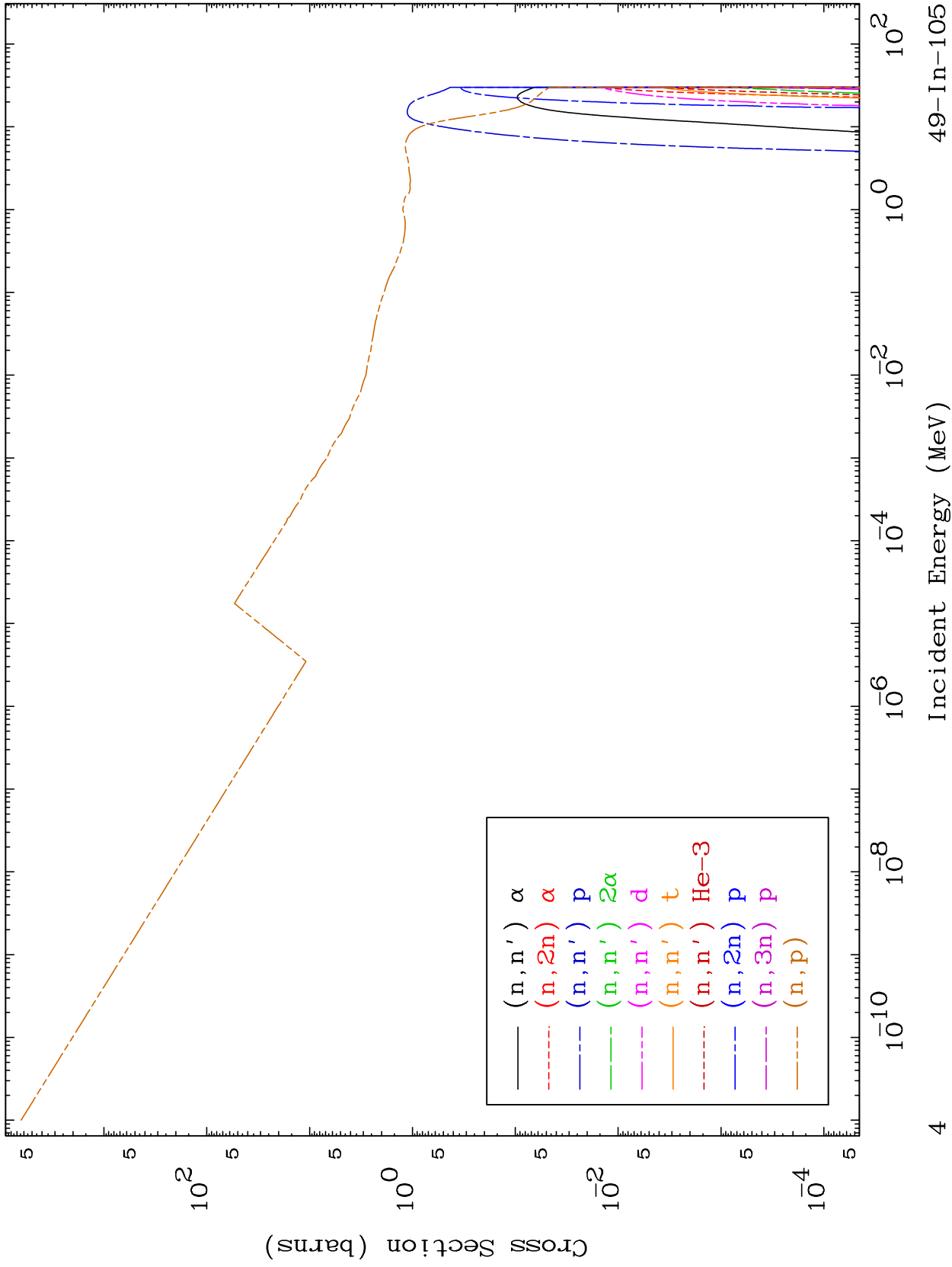
Incident Energy (MeV)

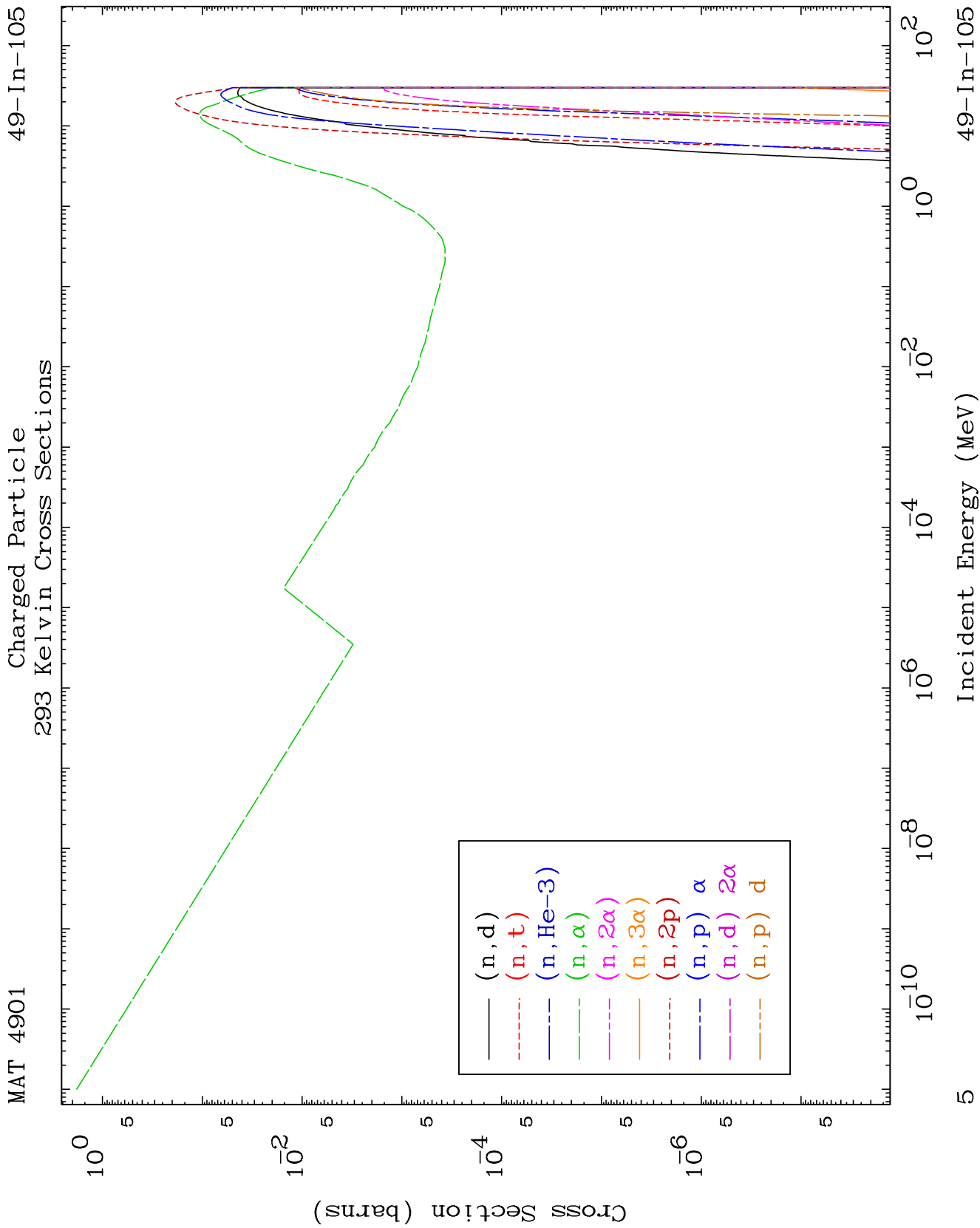
49-In-105

MAT 4901

Charged Particle
293 Kelvin Cross Sections

49-In-105

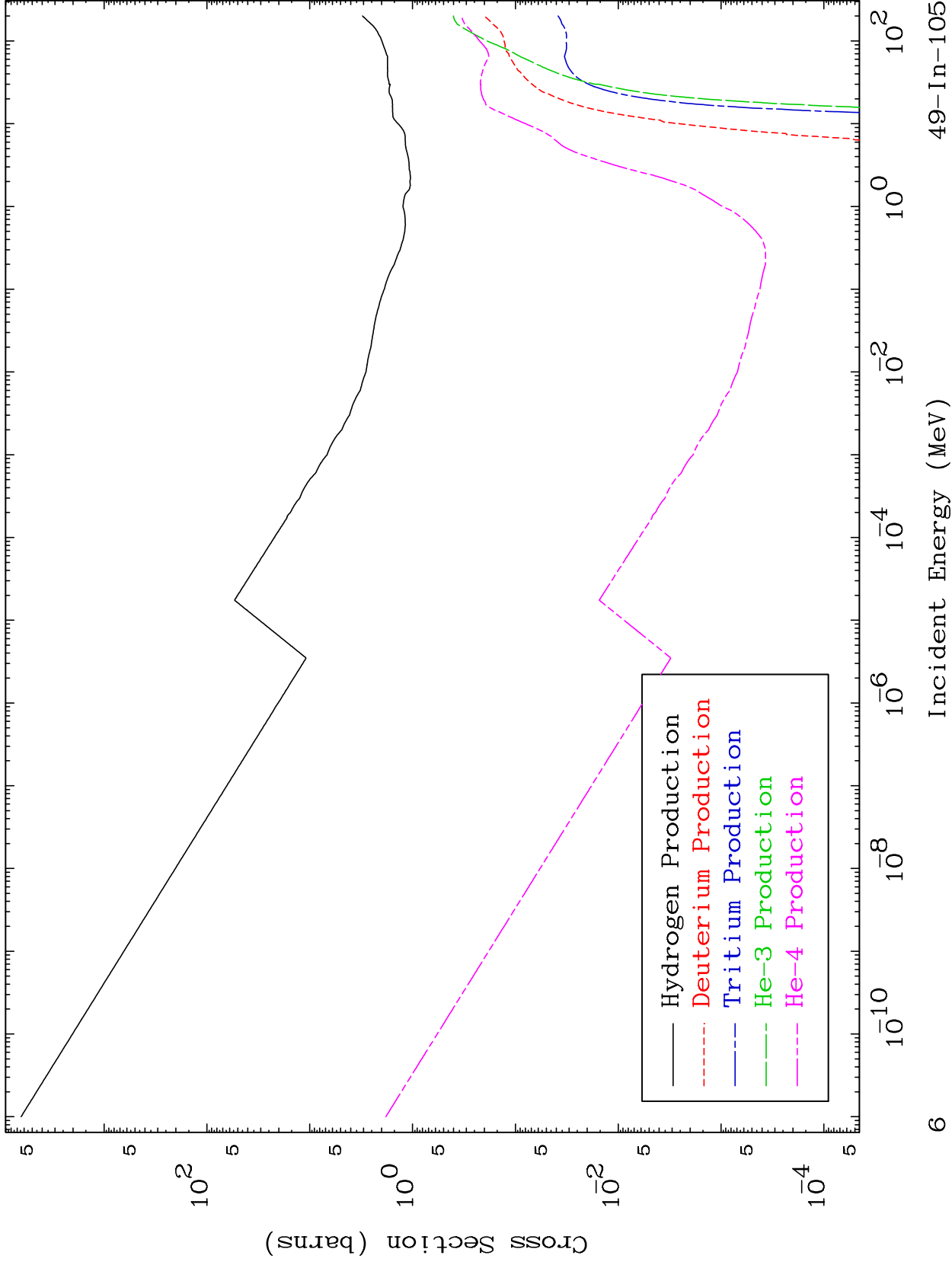




MAT 4901

Particle Production
293 Kelvin Cross Sections

49-In-105

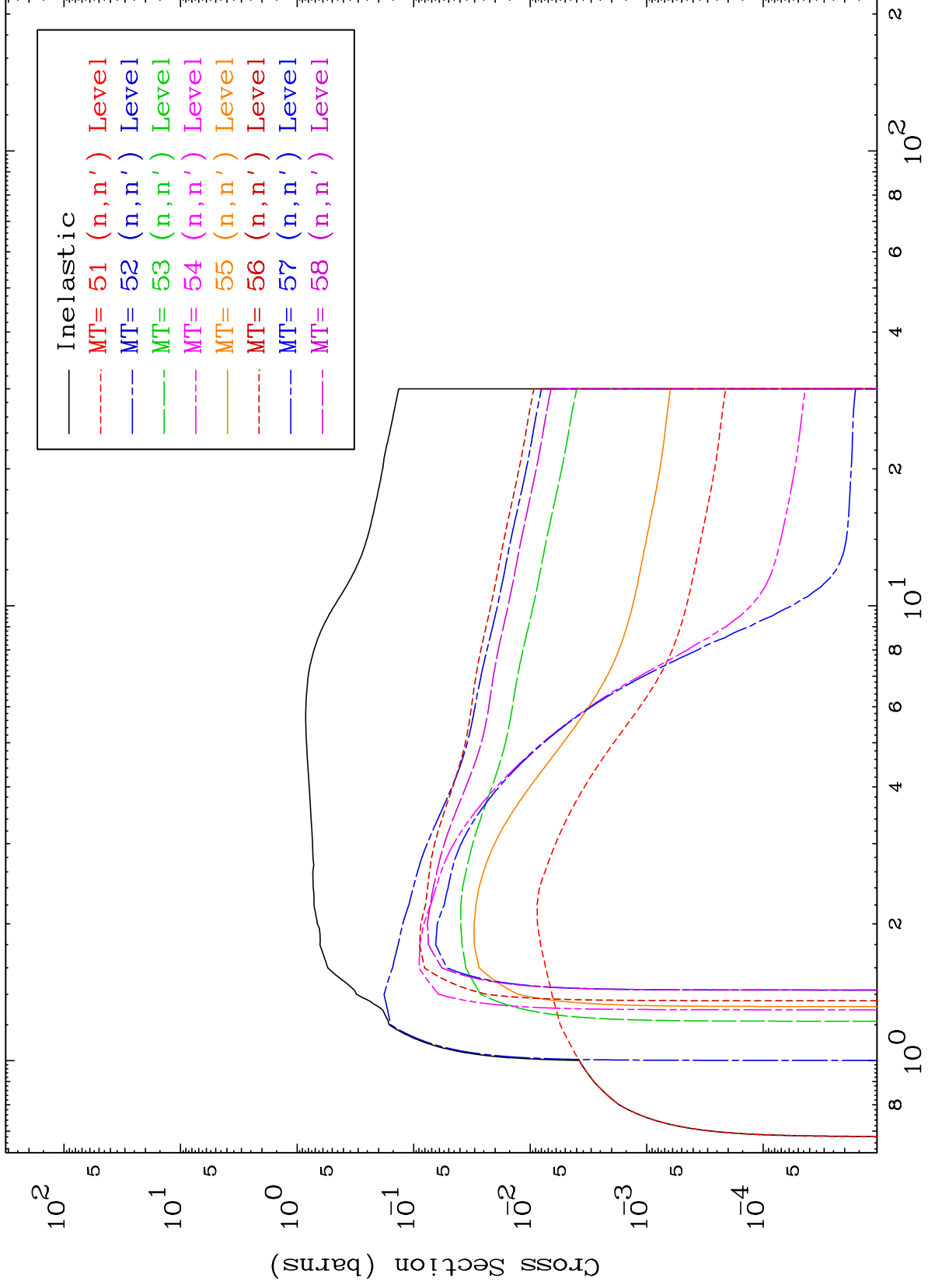


MAT 4901

(n,n') Level

49-In-105

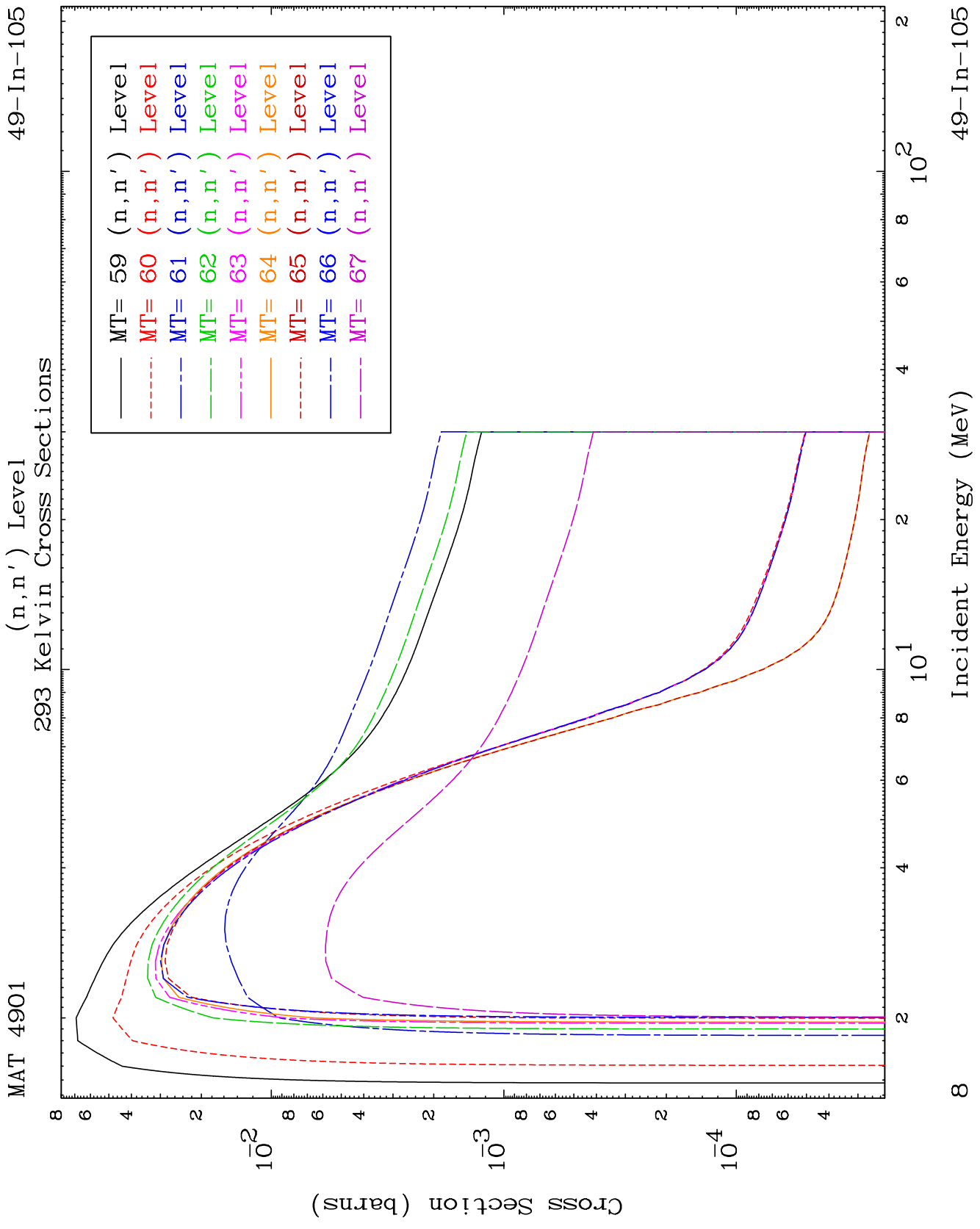
293 Kelvin Cross Sections

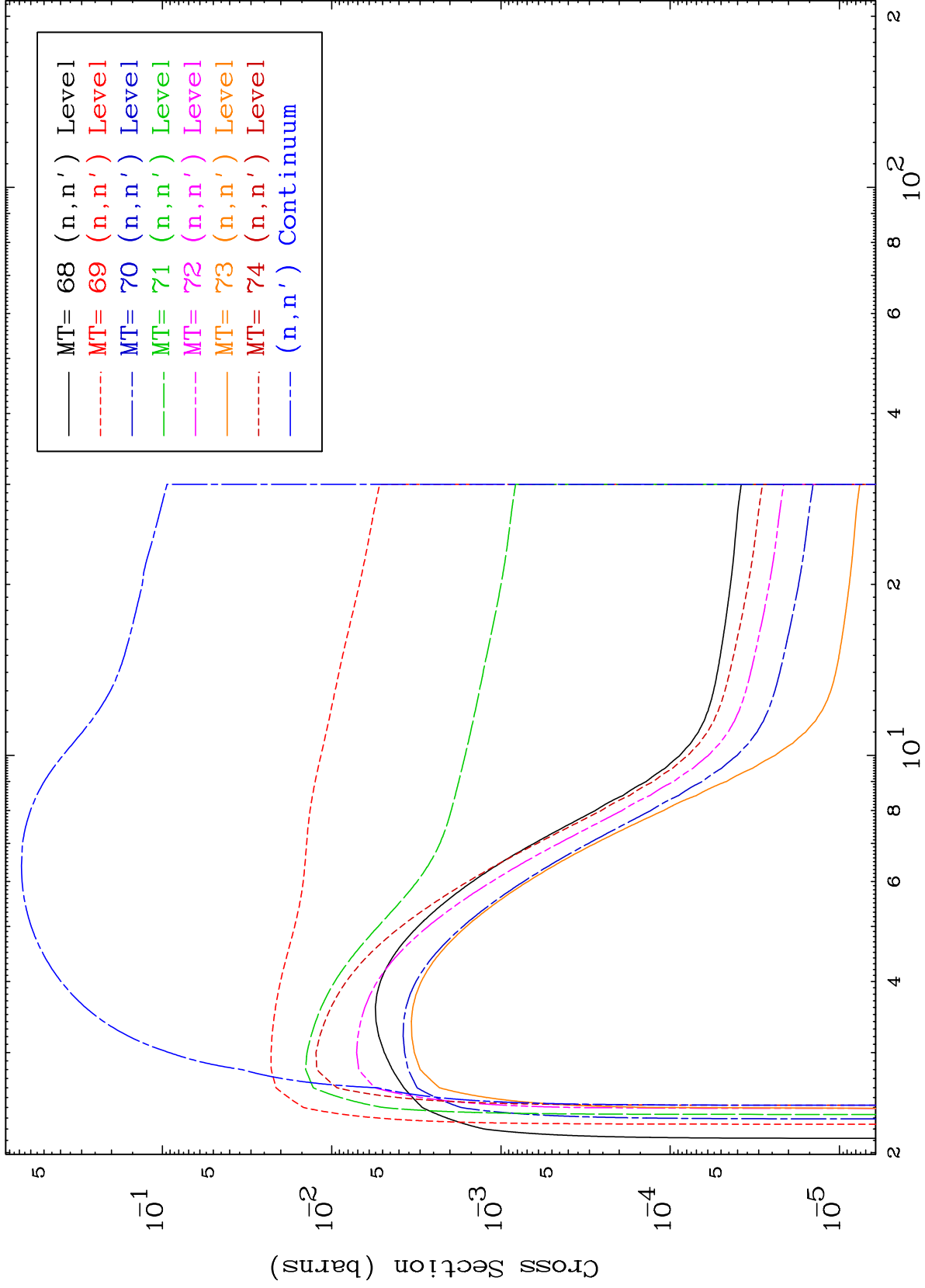


7

Incident Energy (MeV)

49-In-105

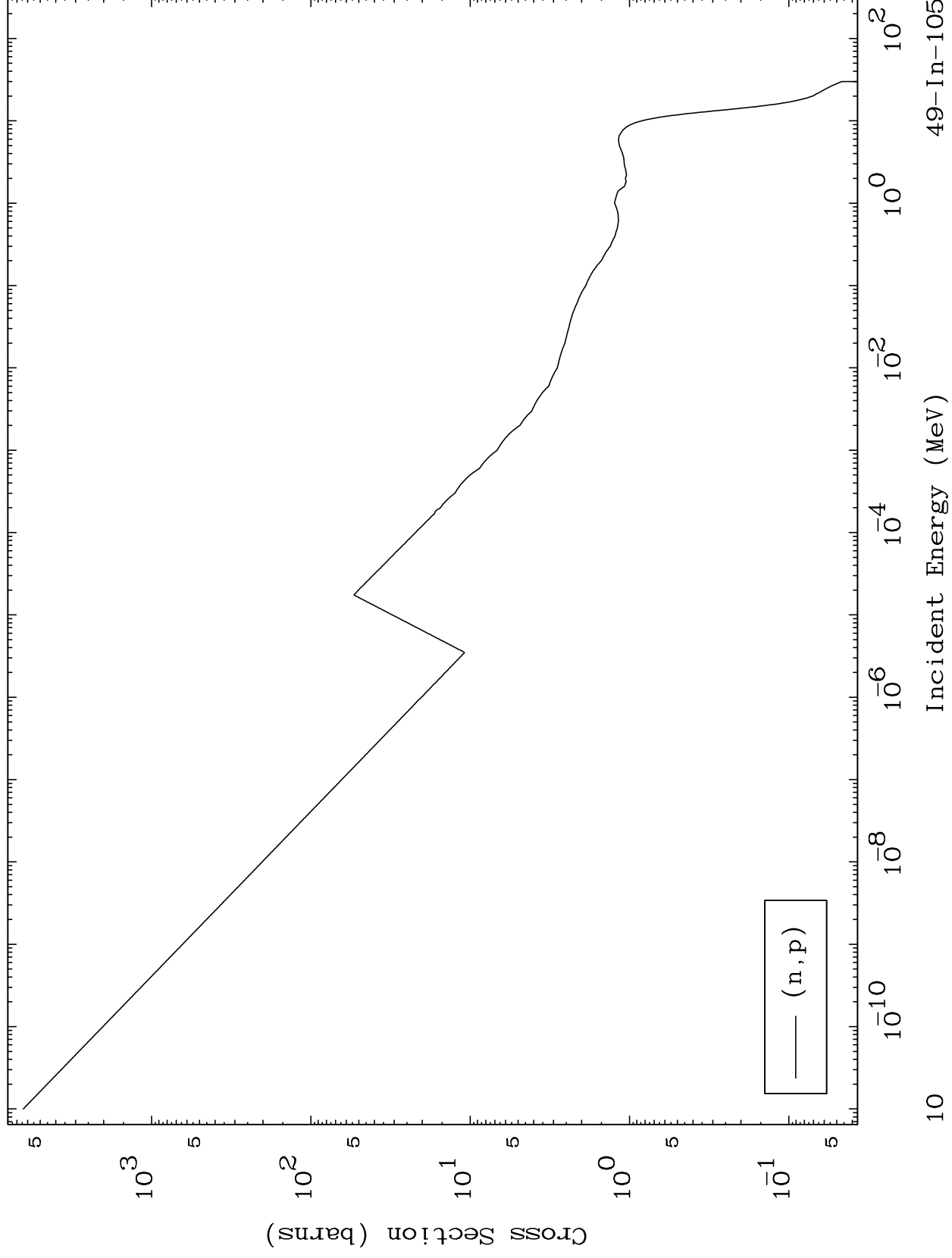




MAT 4901

(n,p) Levels
293 Kelvin Cross Sections

49-In-105



10

Incident Energy (MeV)

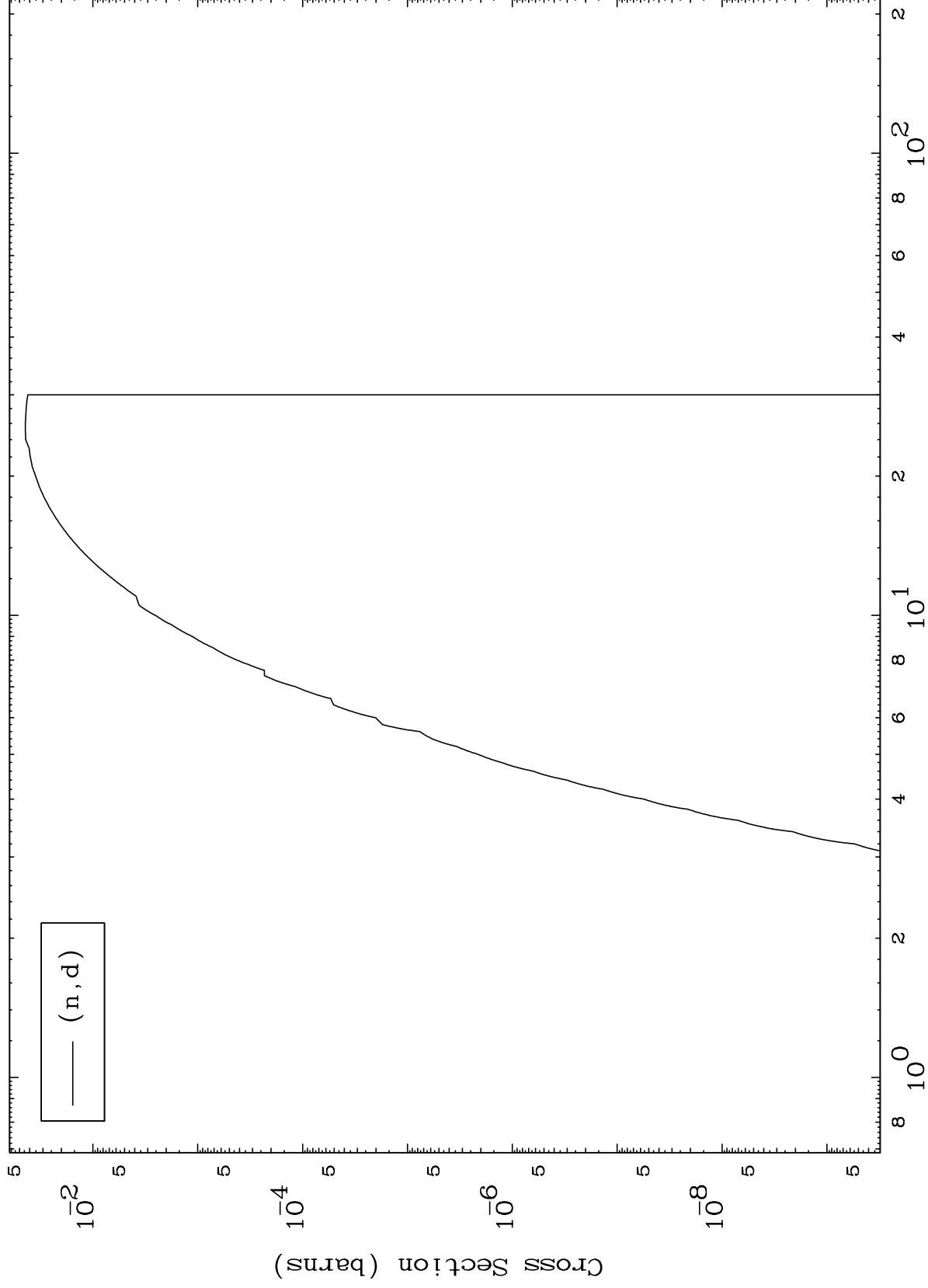
49-In-105

MAT 4901

(n,d) Levels

49-In-105

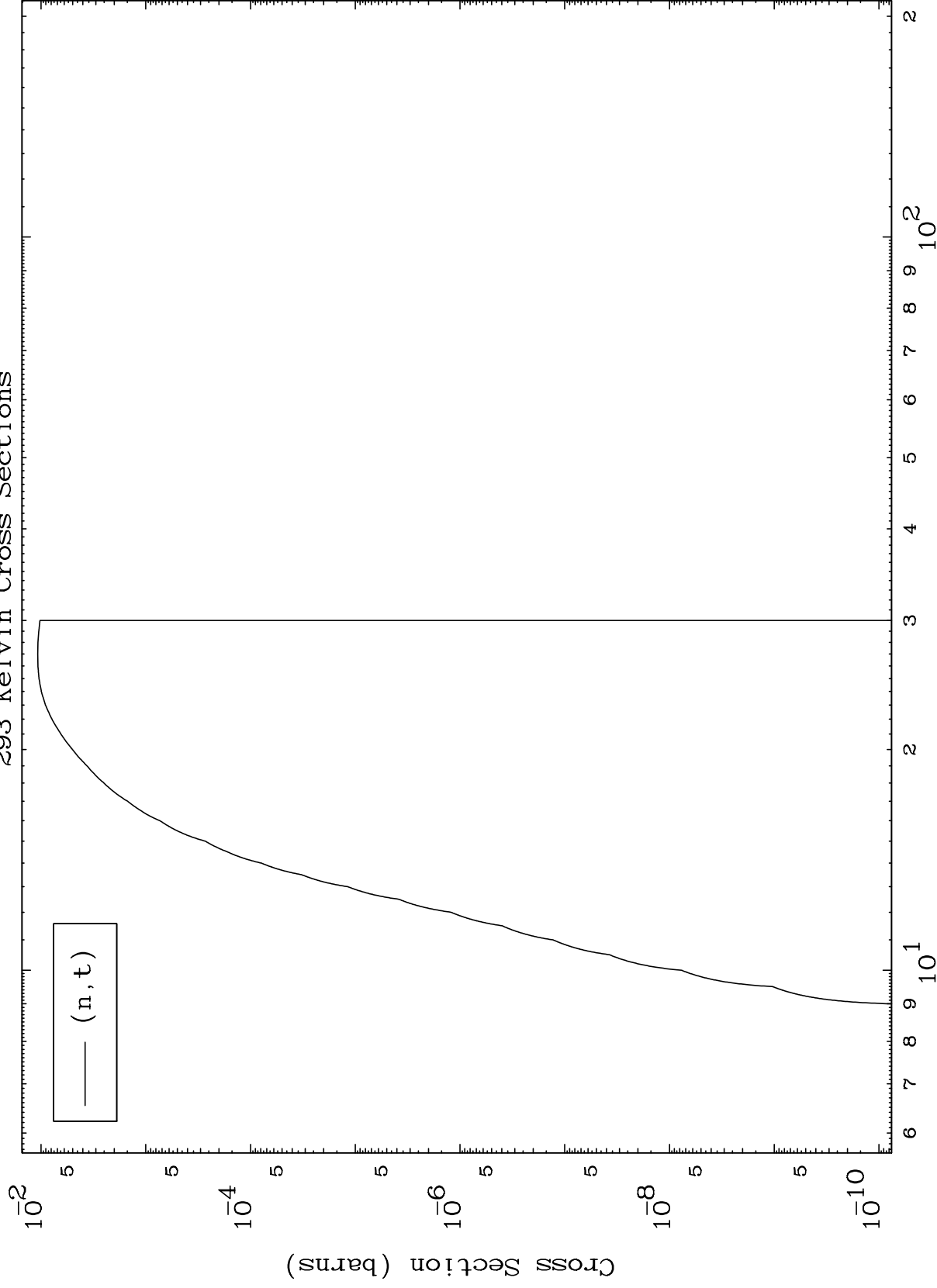
293 Kelvin Cross Sections



MAT 4901

49-In-105

(n,t) Levels
293 Kelvin Cross Sections



12

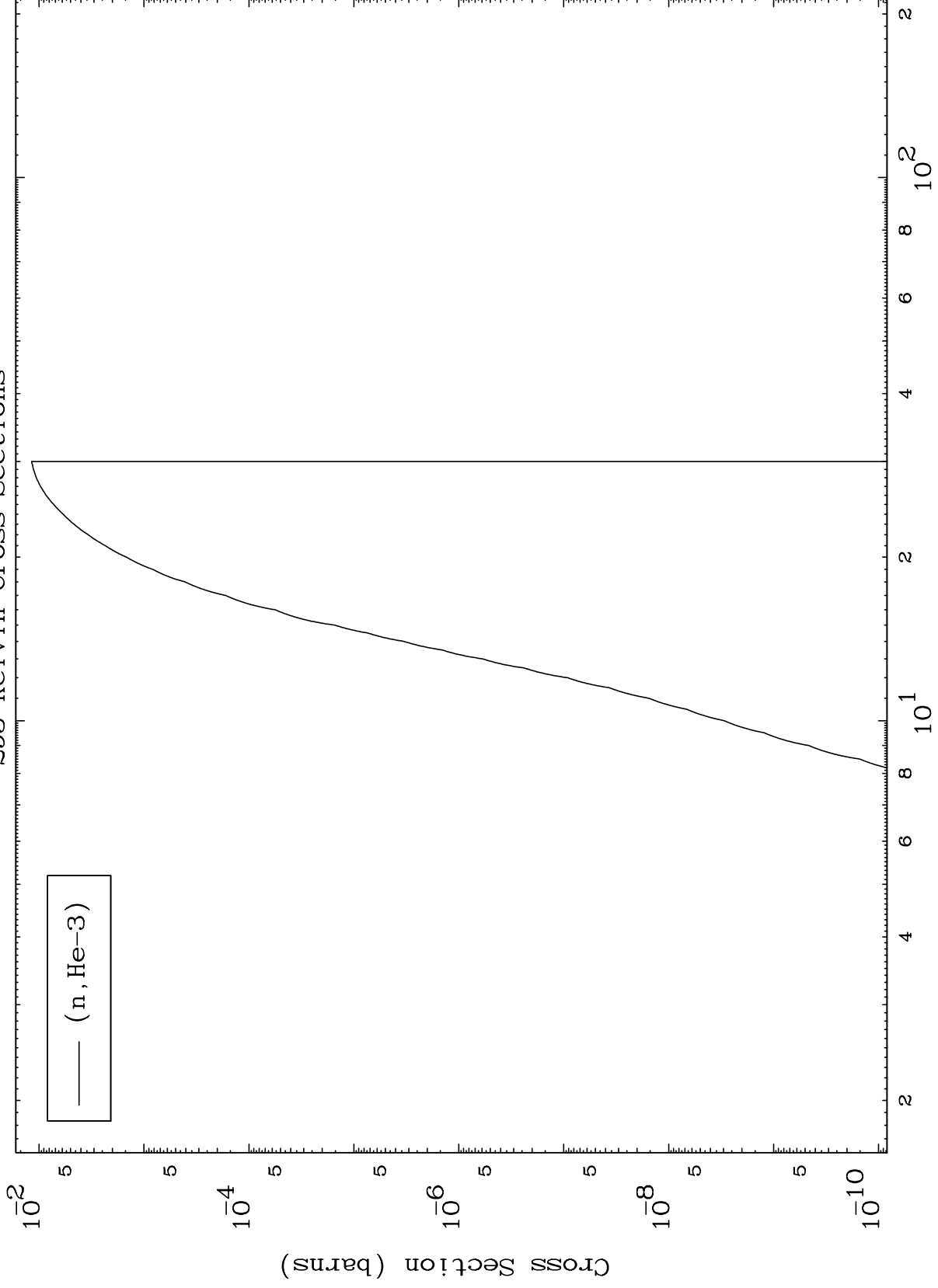
Incident Energy (MeV)

49-In-105

MAT 4901

(n,He3) Levels
293 Kelvin Cross Sections

49-In-105



13

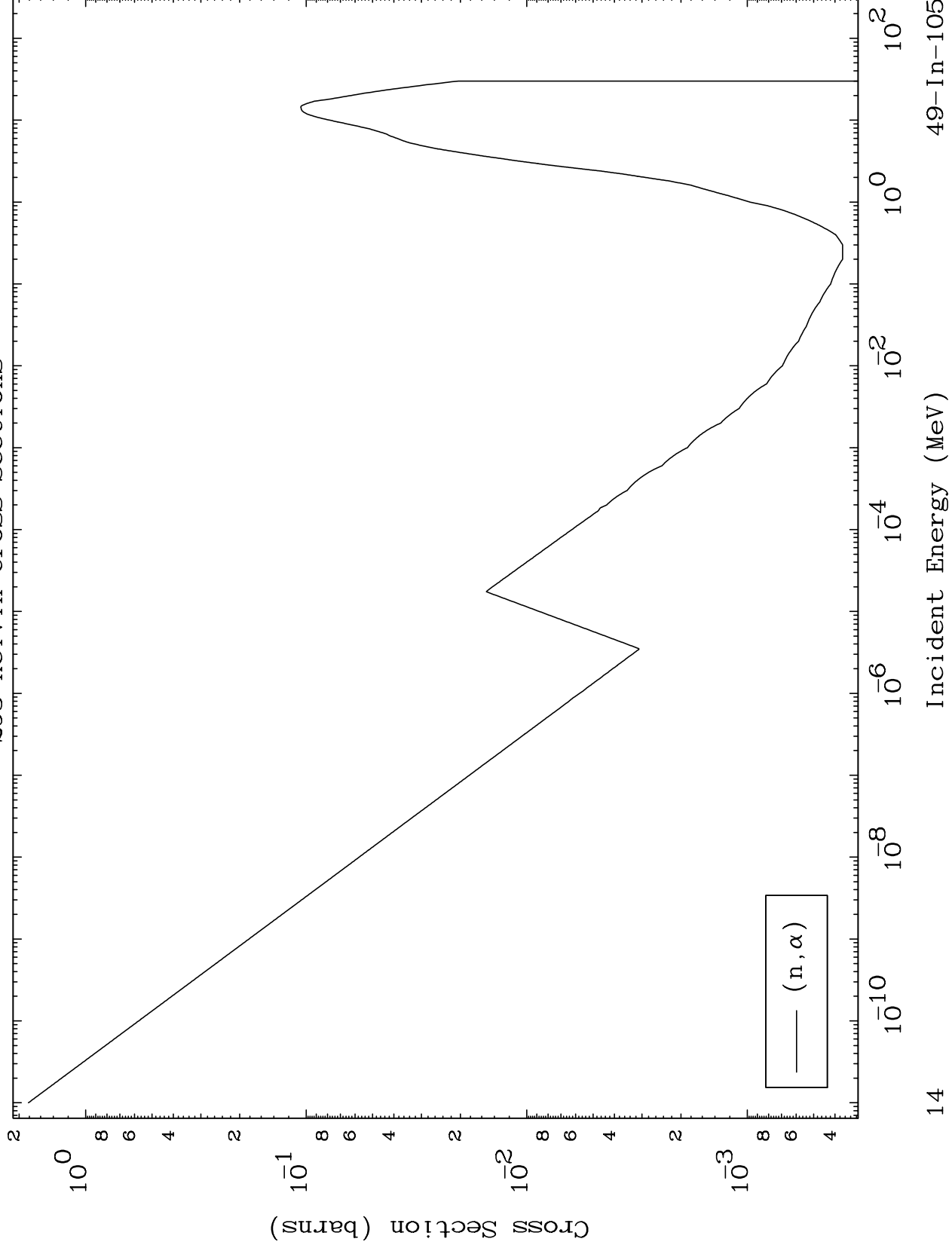
Incident Energy (MeV)

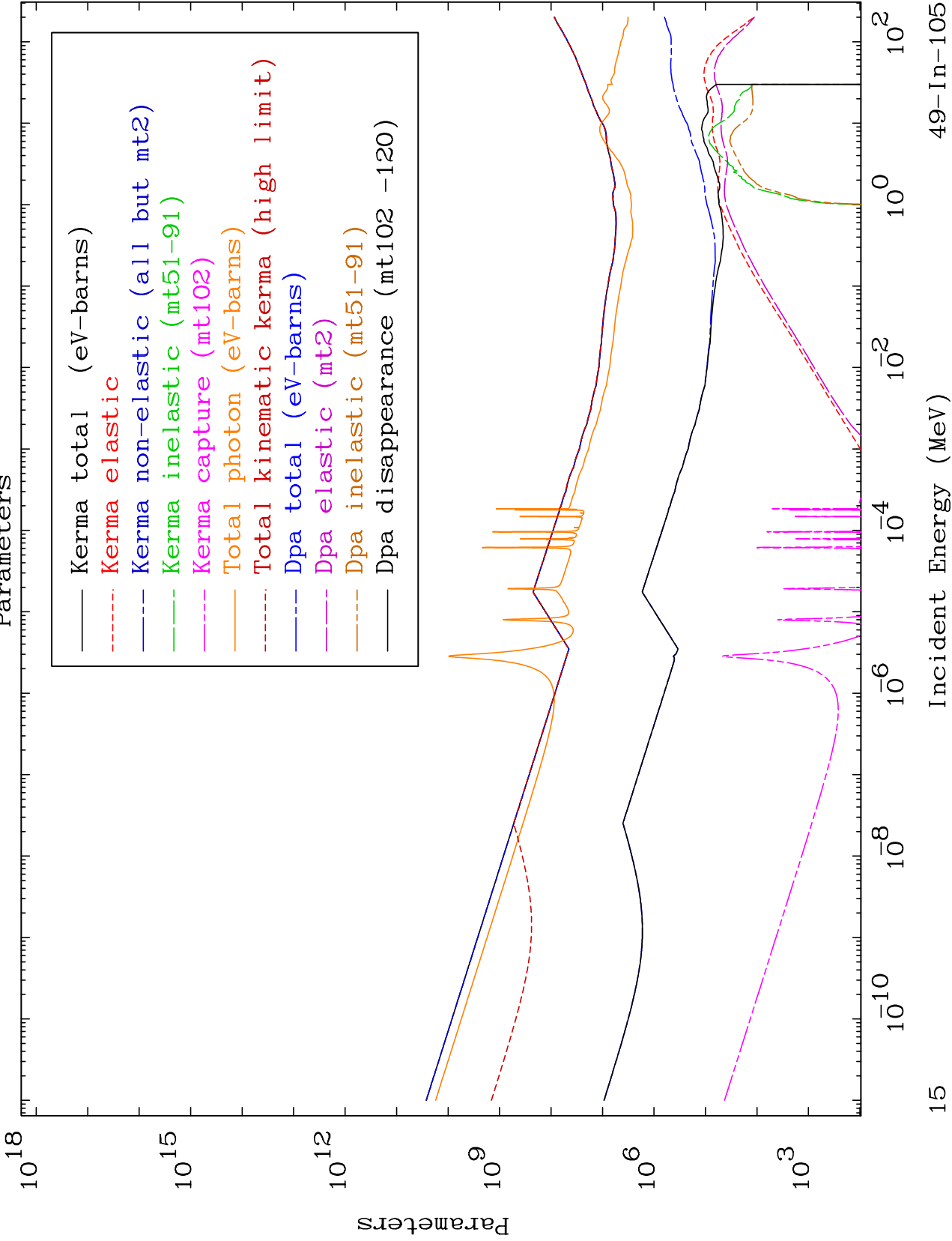
49-In-105

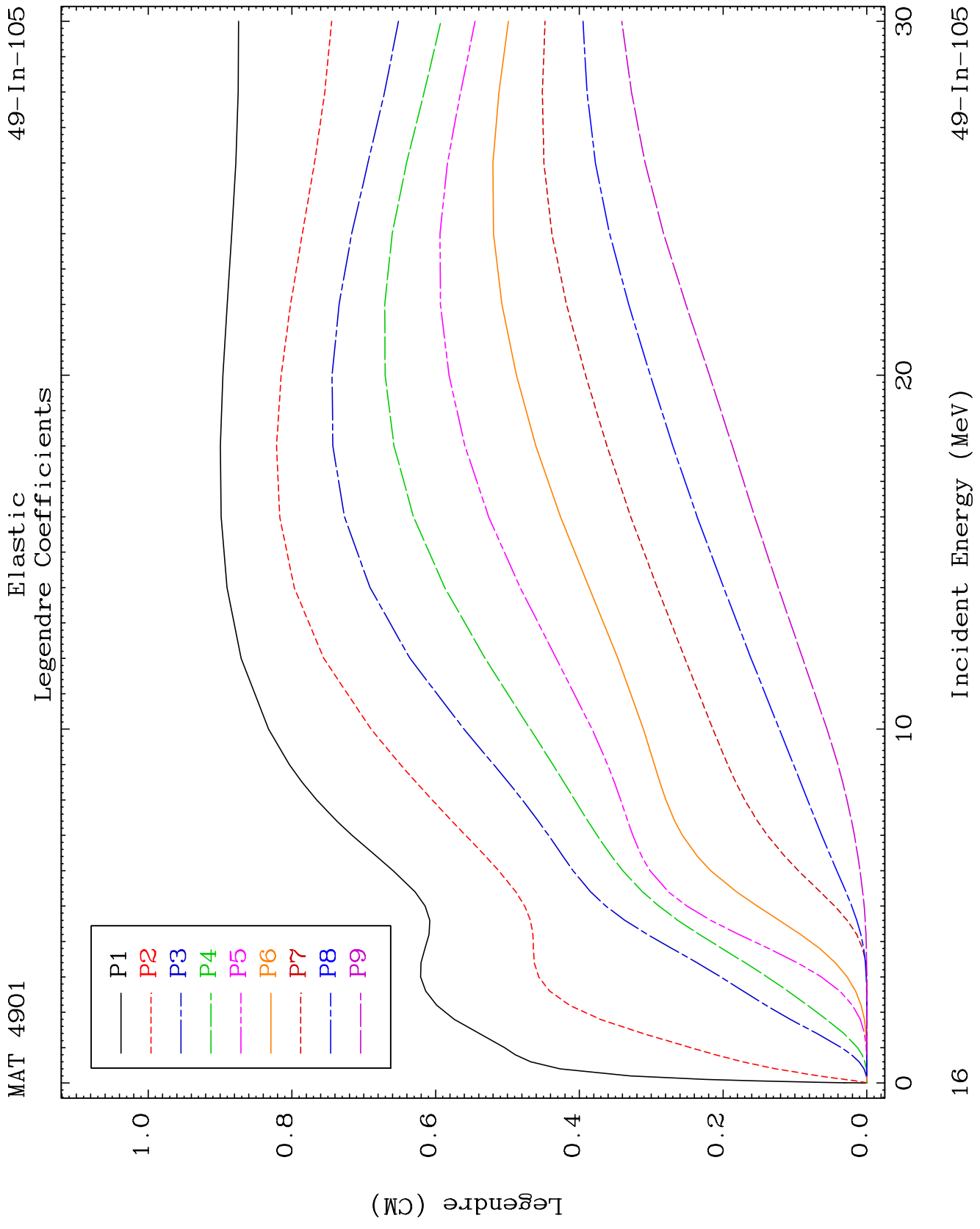
MAT 4901

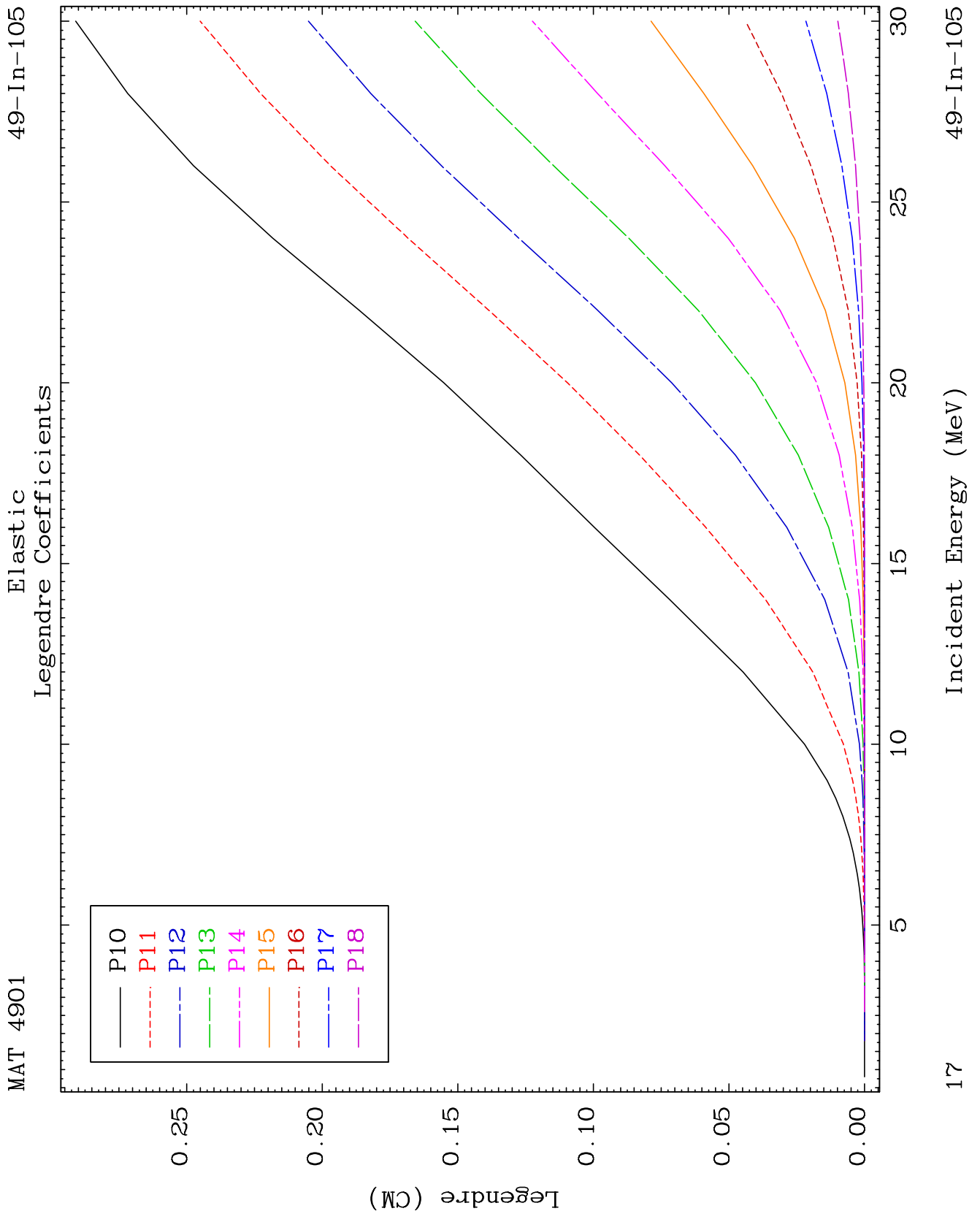
(n,α) Levels
293 Kelvin Cross Sections

49-In-105





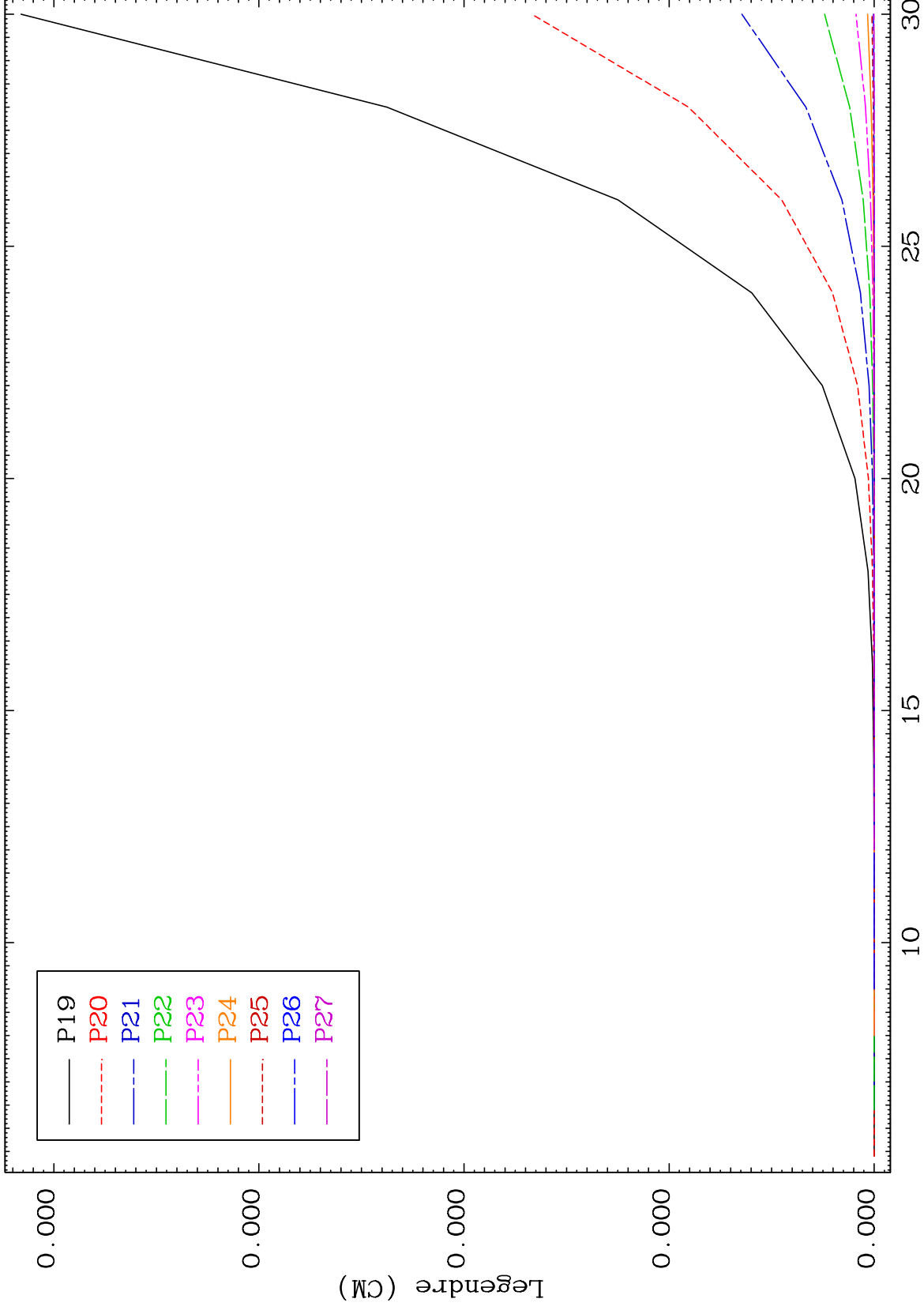




MAT 4901

Elastic Legendre Coefficients

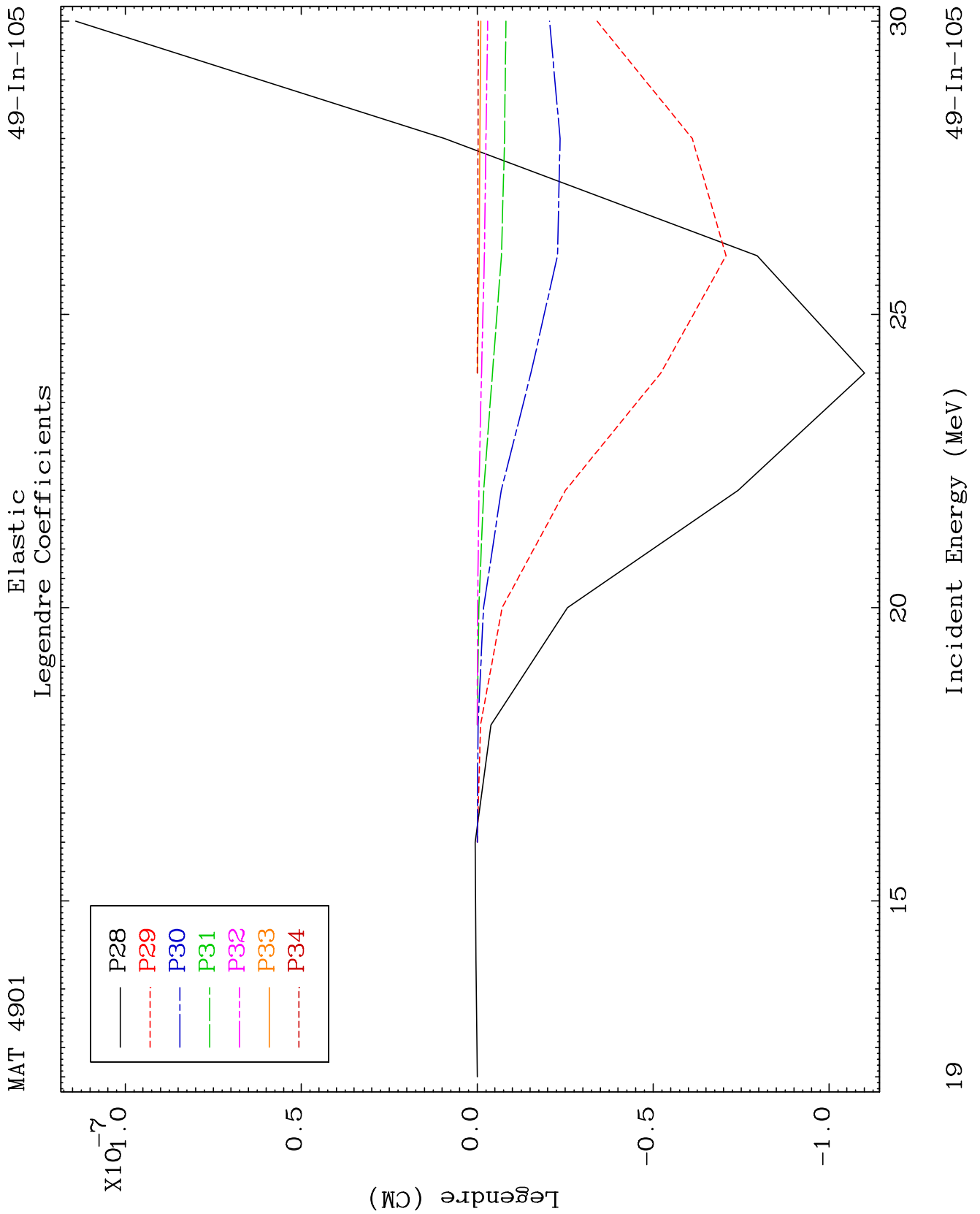
49-In-105

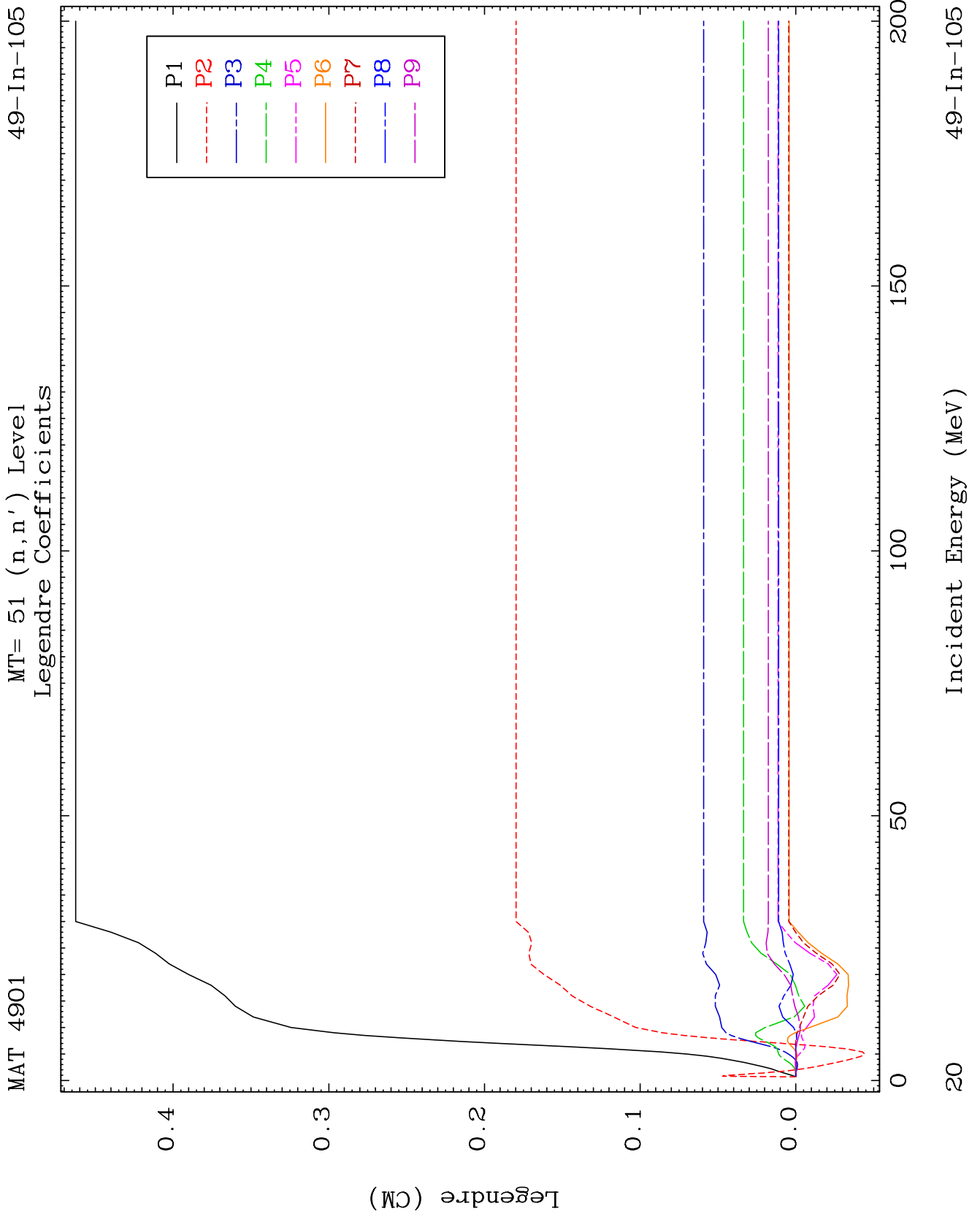


18

Incident Energy (MeV)

49-In-105

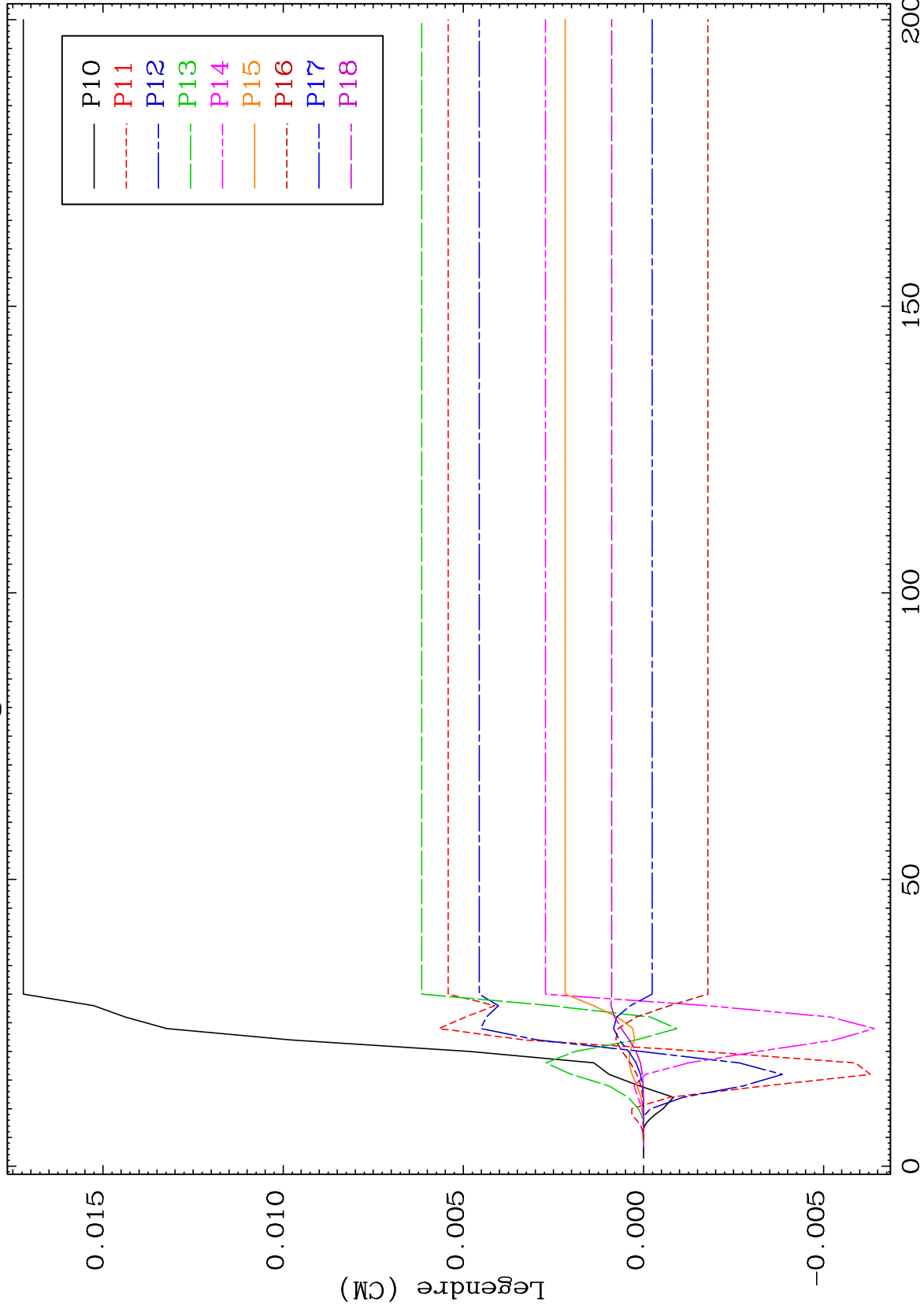




MAT 4901

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

49-In-105



21

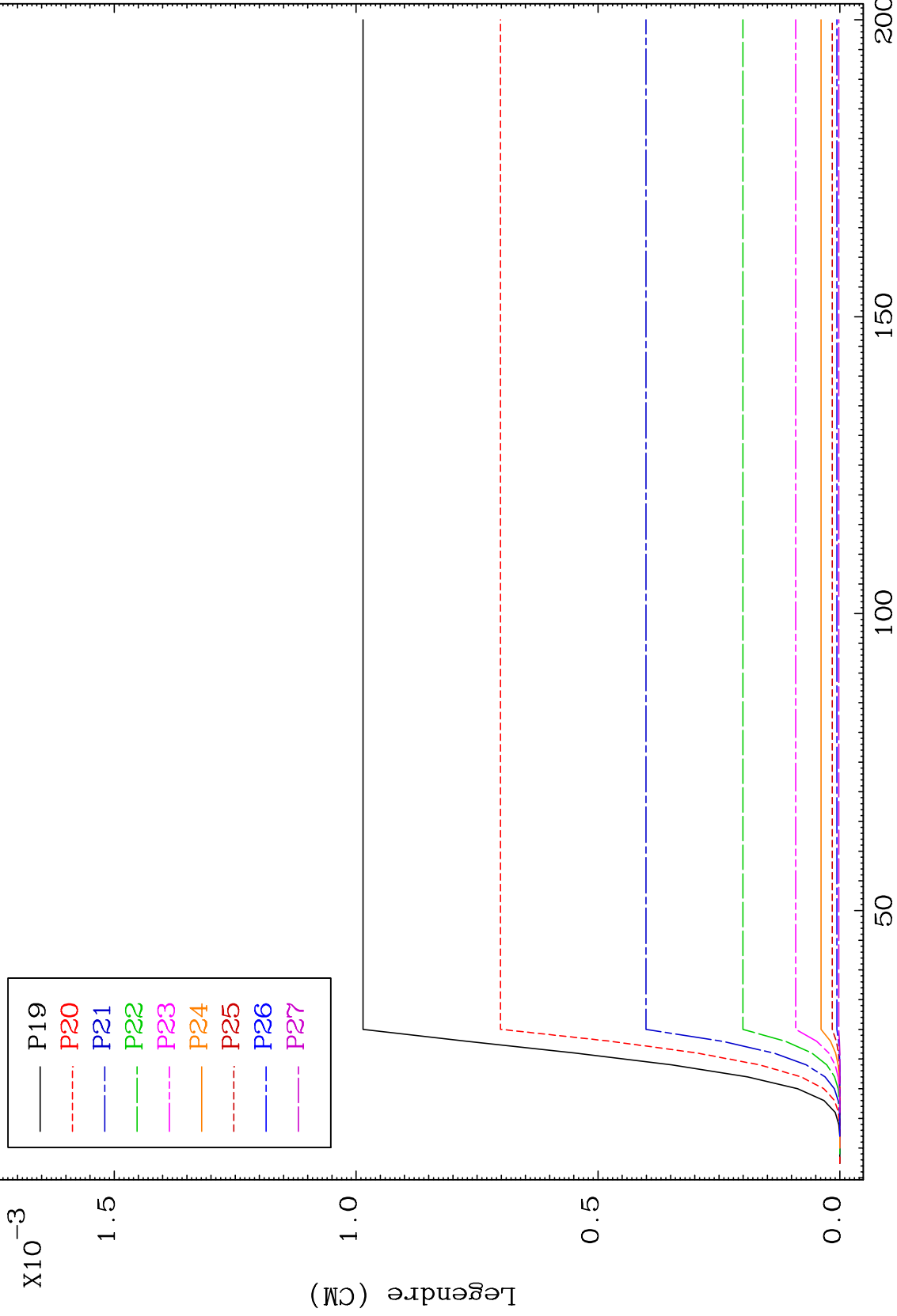
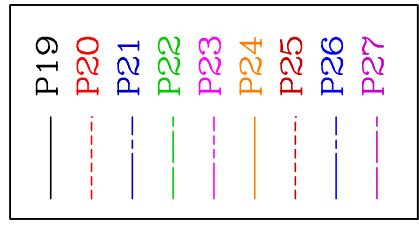
Incident Energy (MeV)

49-In-105

MAT 4901

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

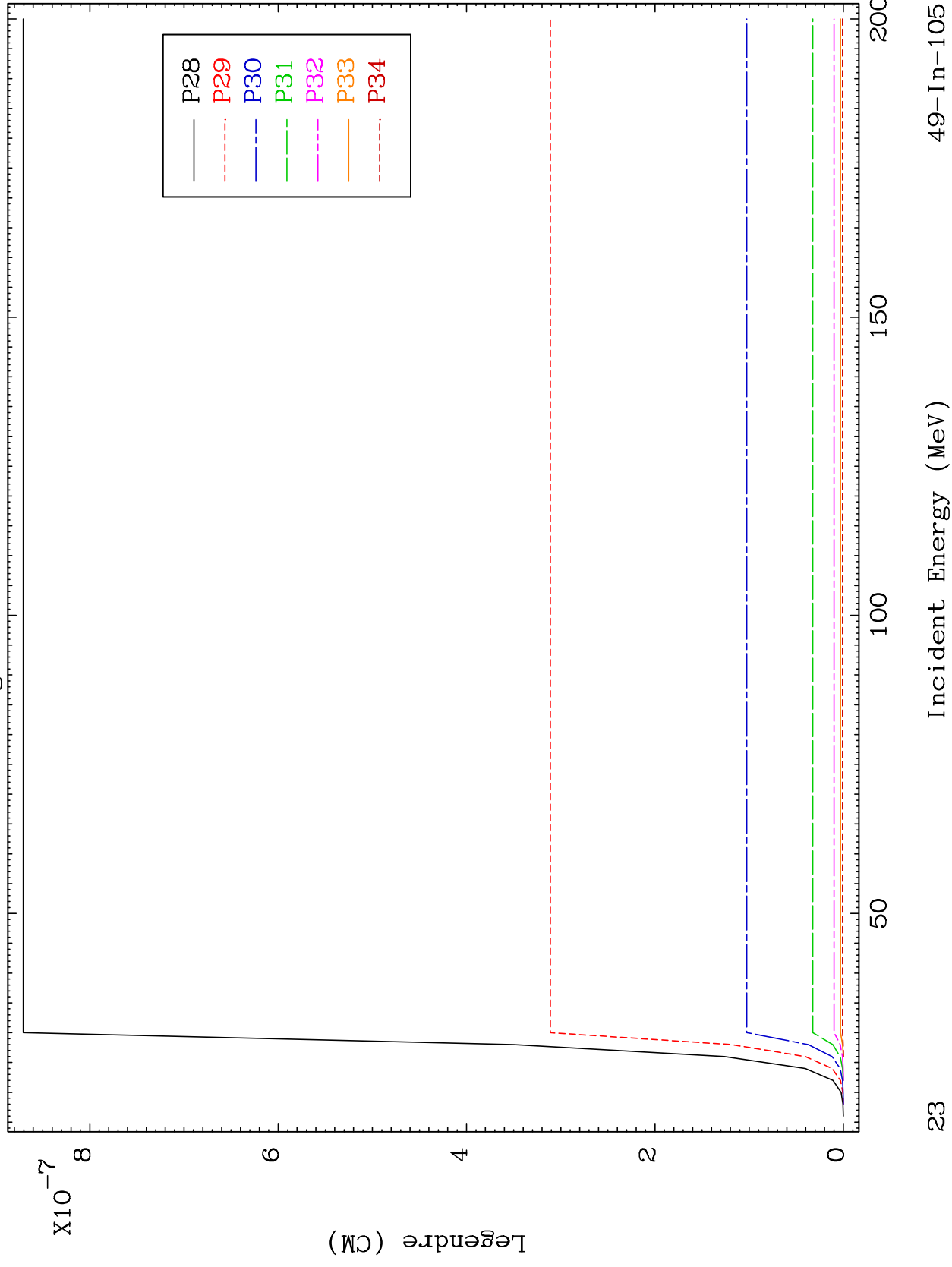
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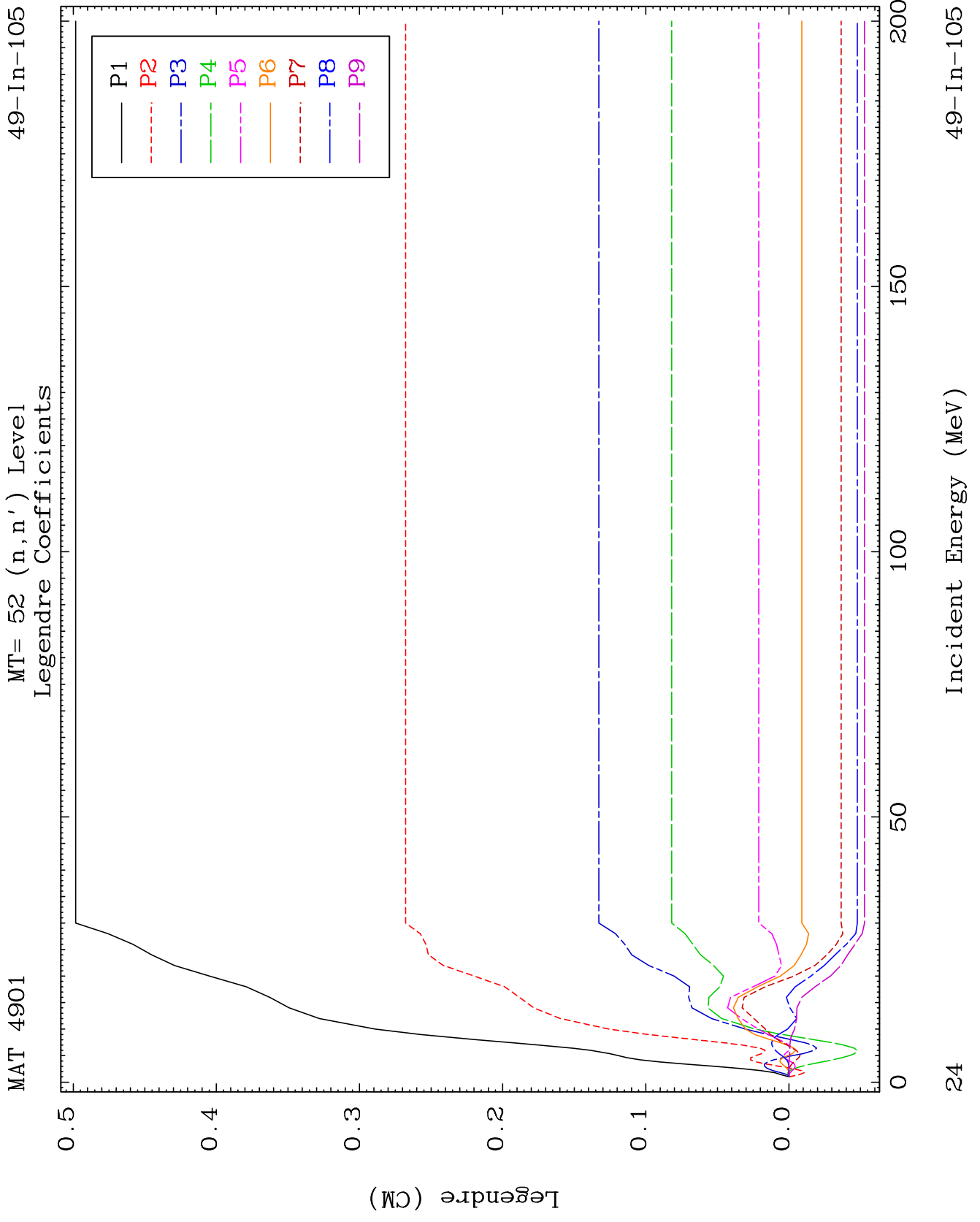


MAT 4901

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

49-In-105

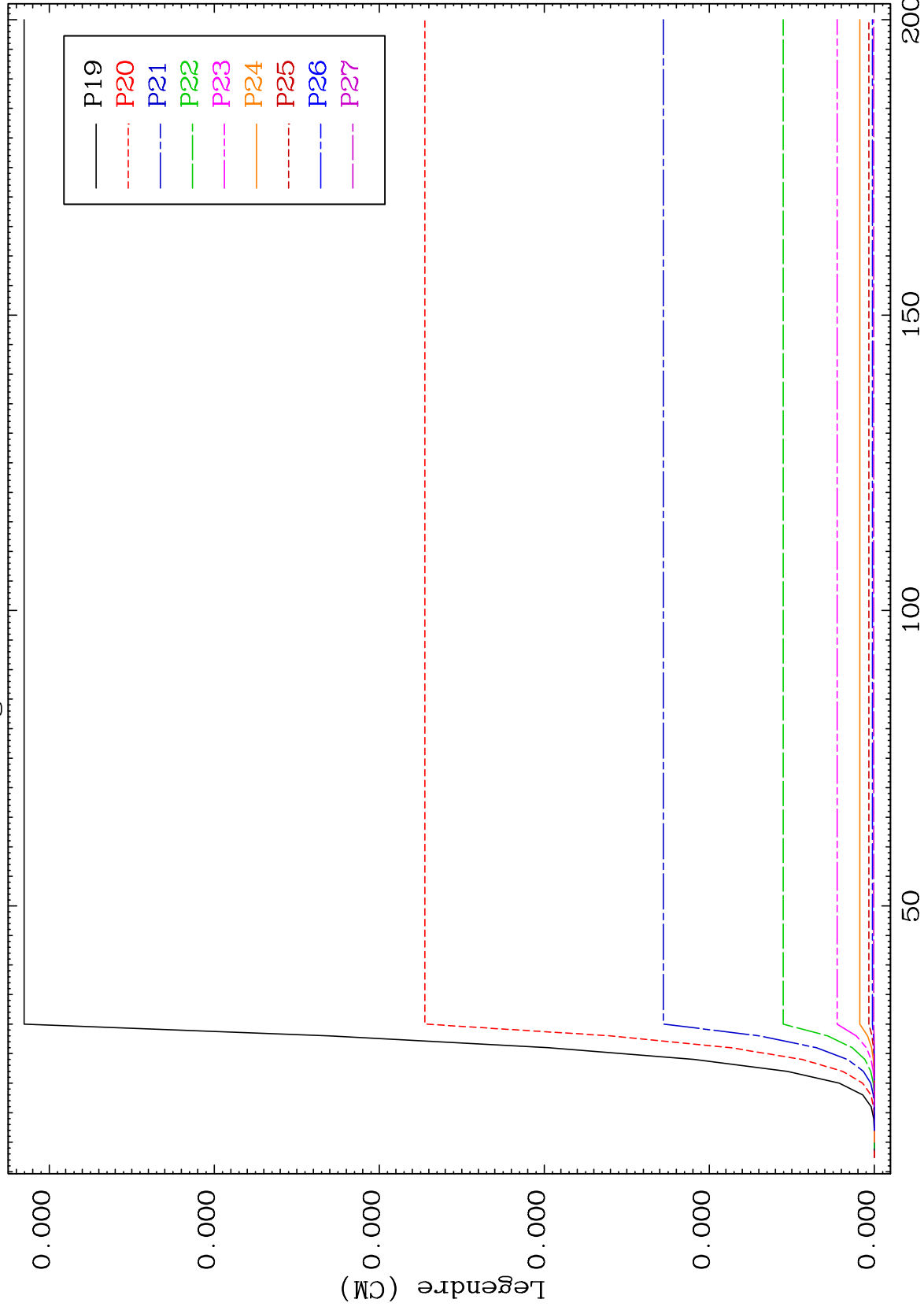




MAT 4901

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

49-In-105



26

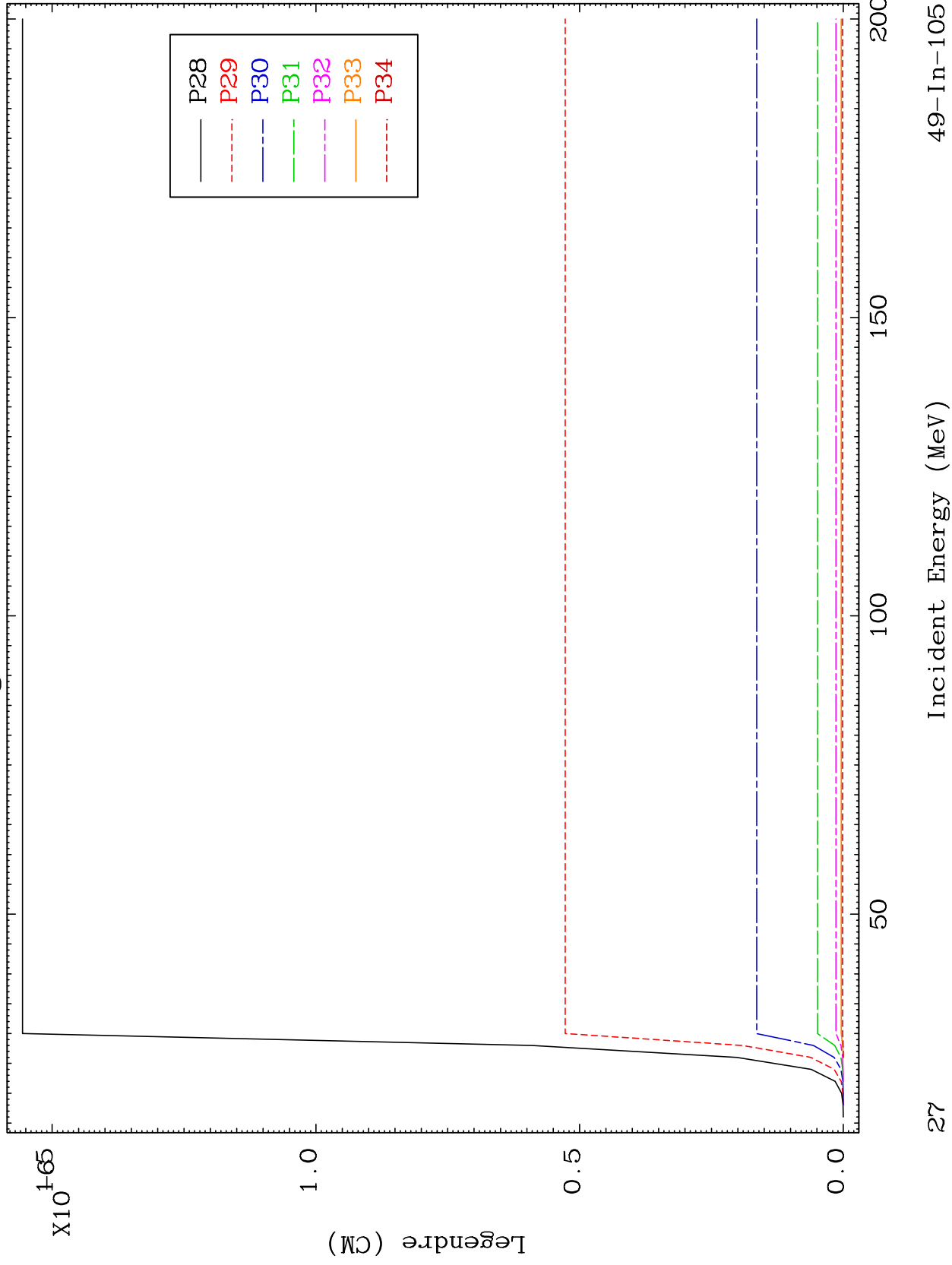
Incident Energy (MeV)

49-In-105

MAT 4901

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

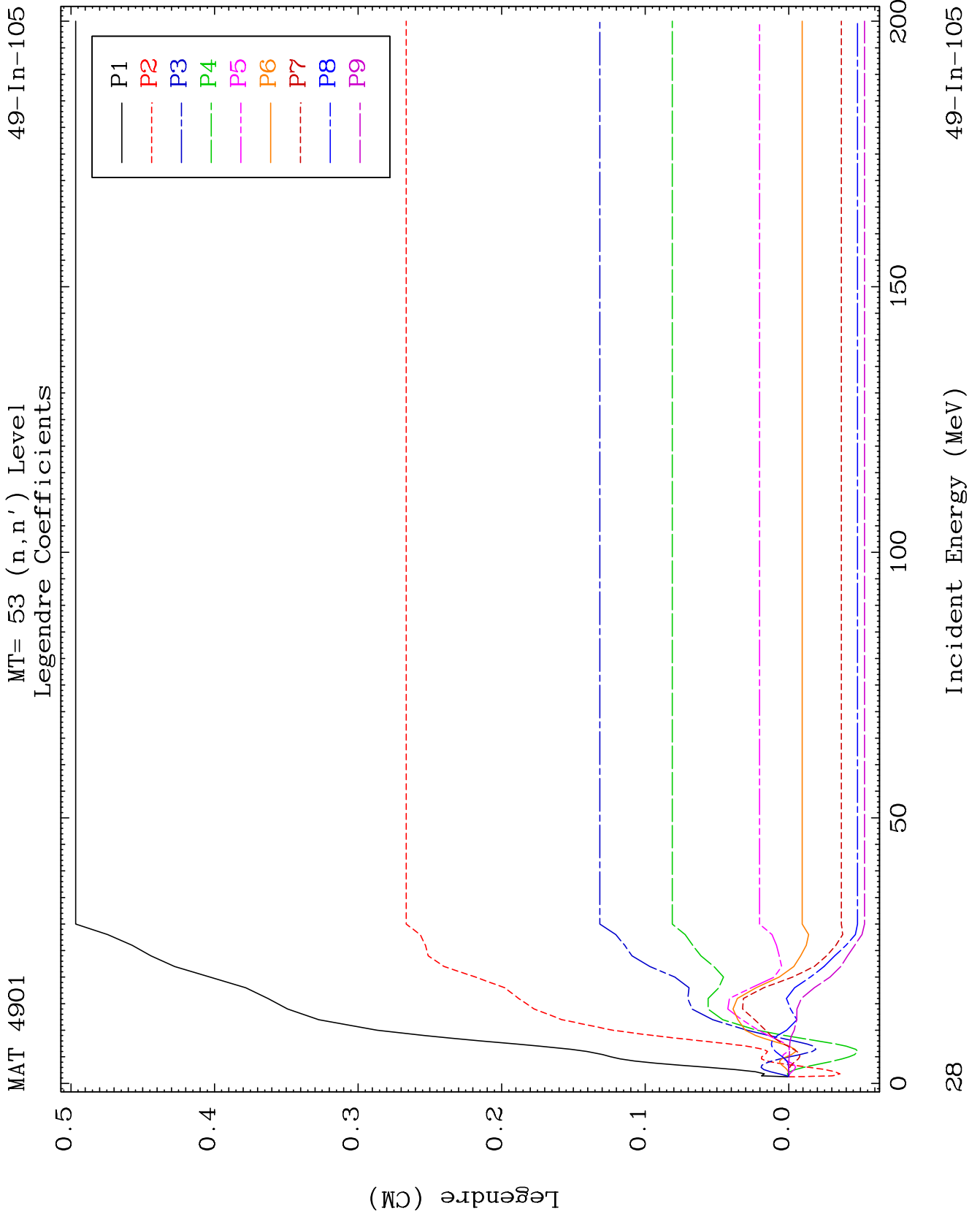
49-In-105



27

Incident Energy (MeV)

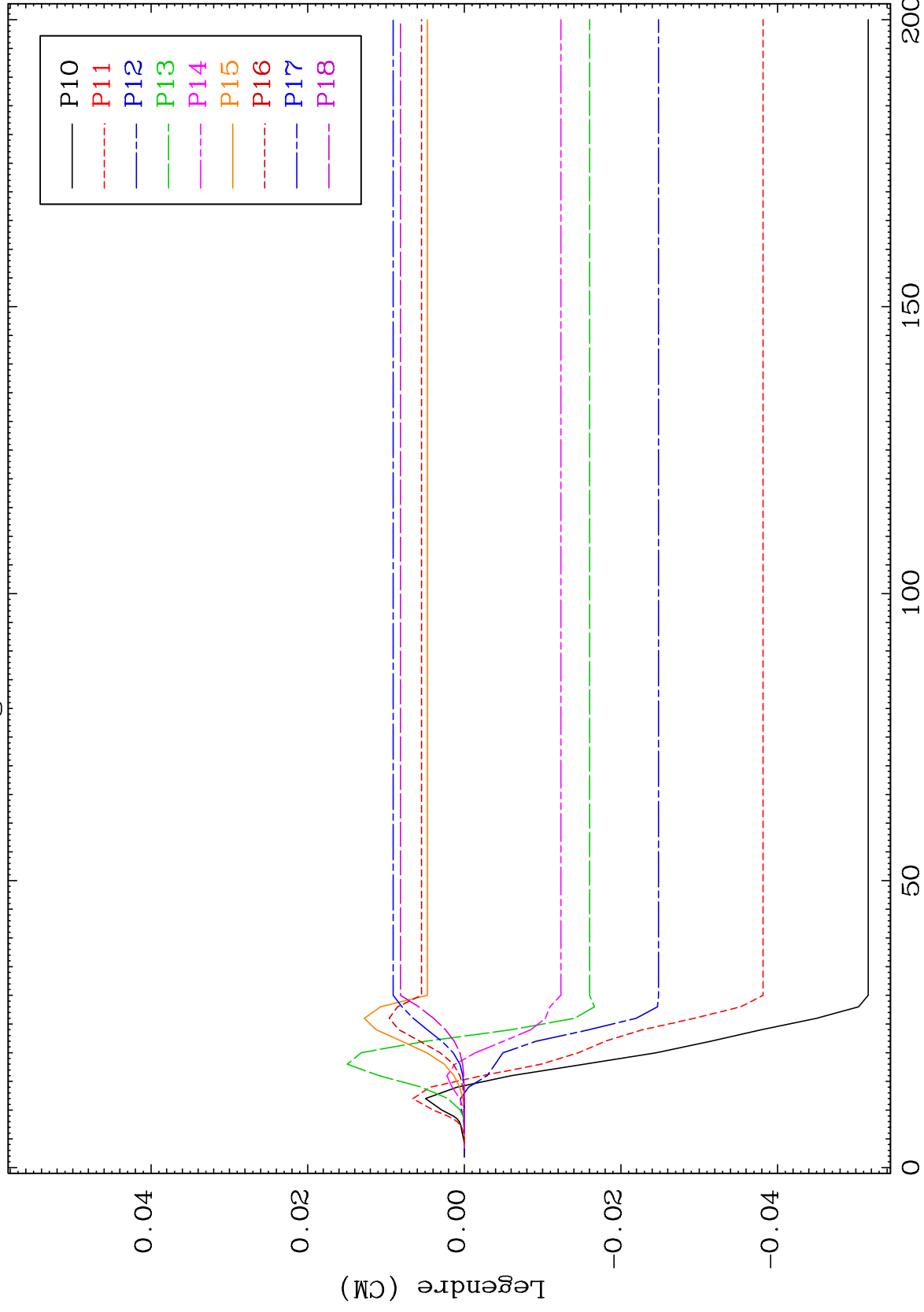
49-In-105



MAT 4901

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

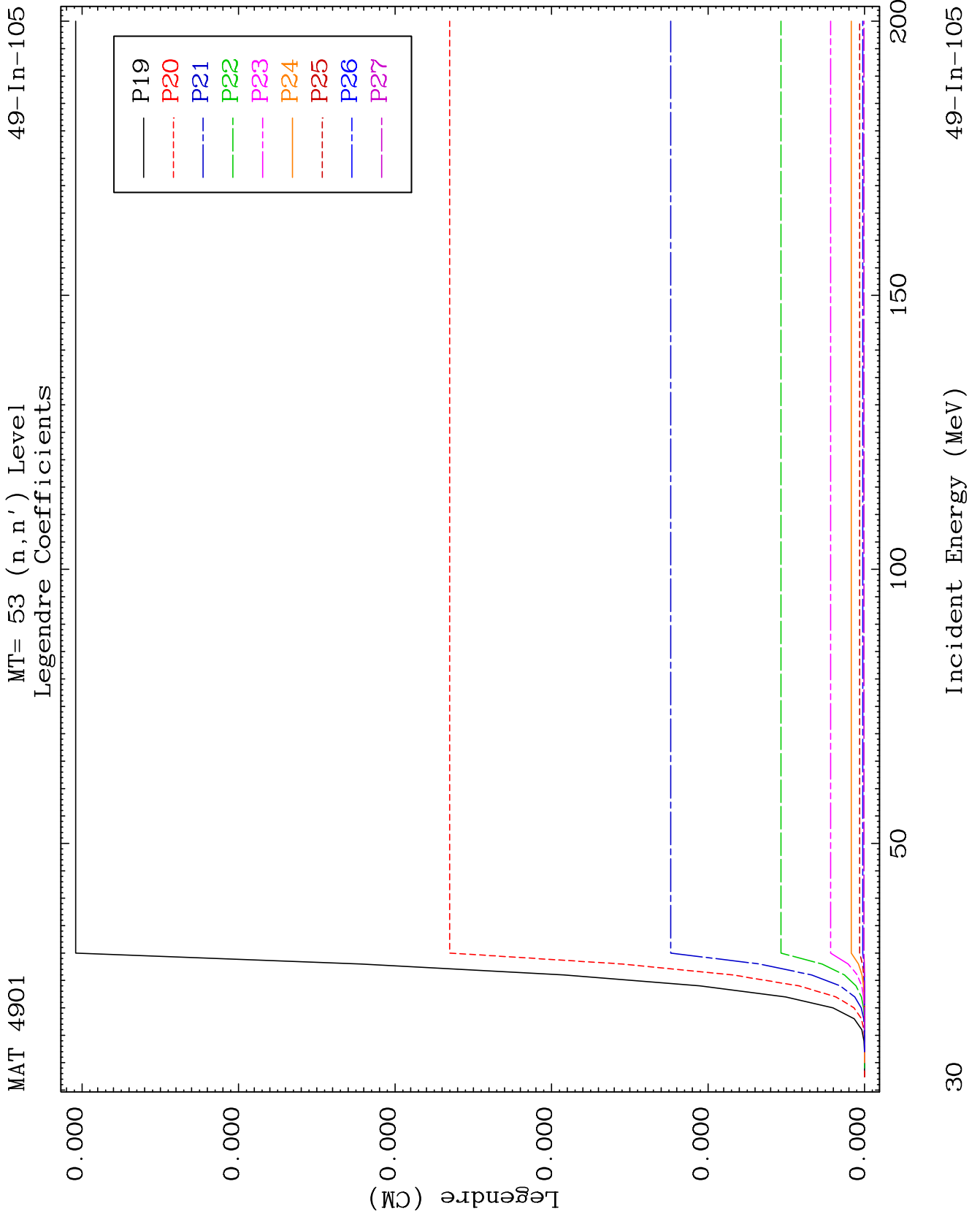
49-In-105

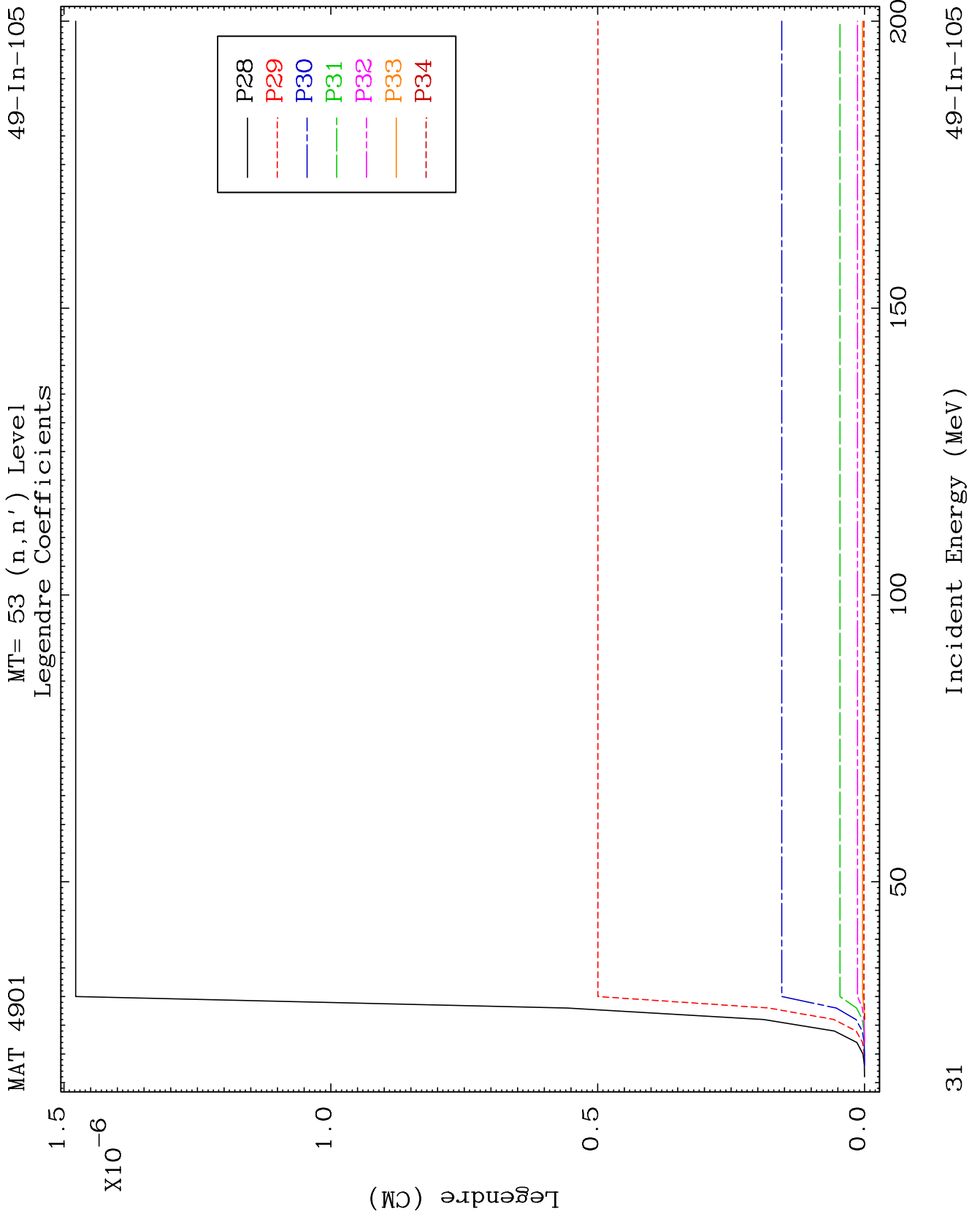


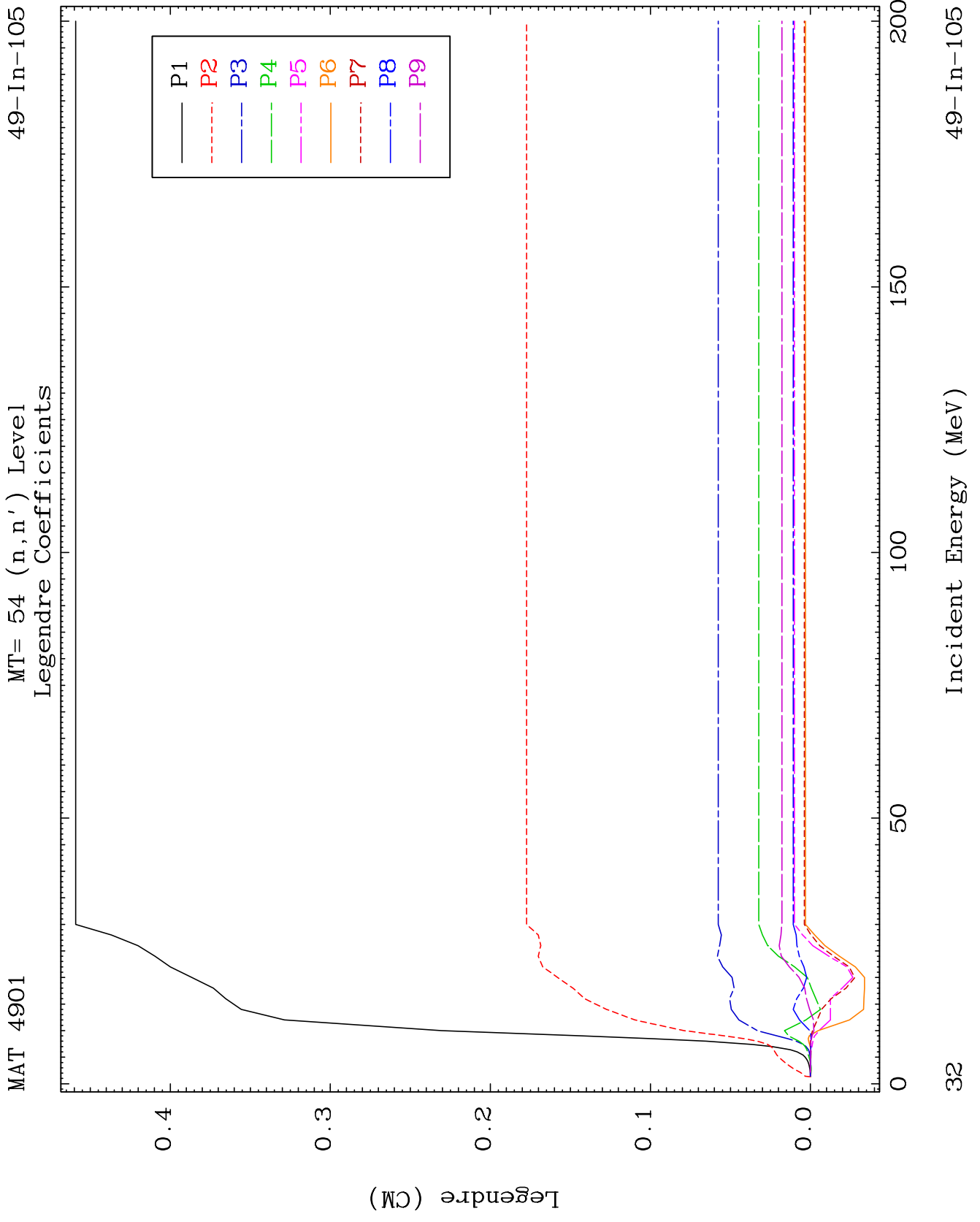
29

Incident Energy (MeV)

49-In-105



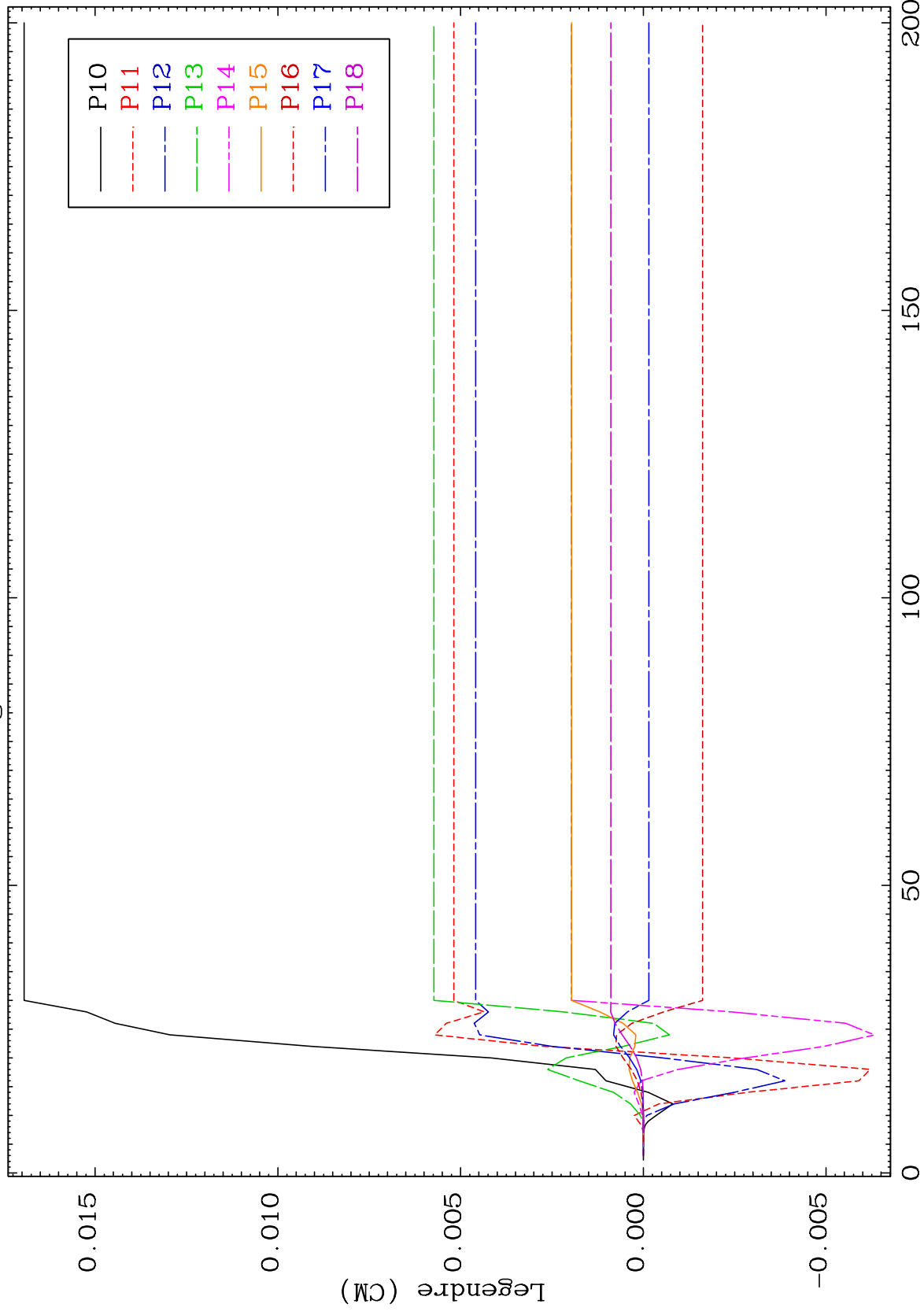




MAT 4901

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

49-In-105



33

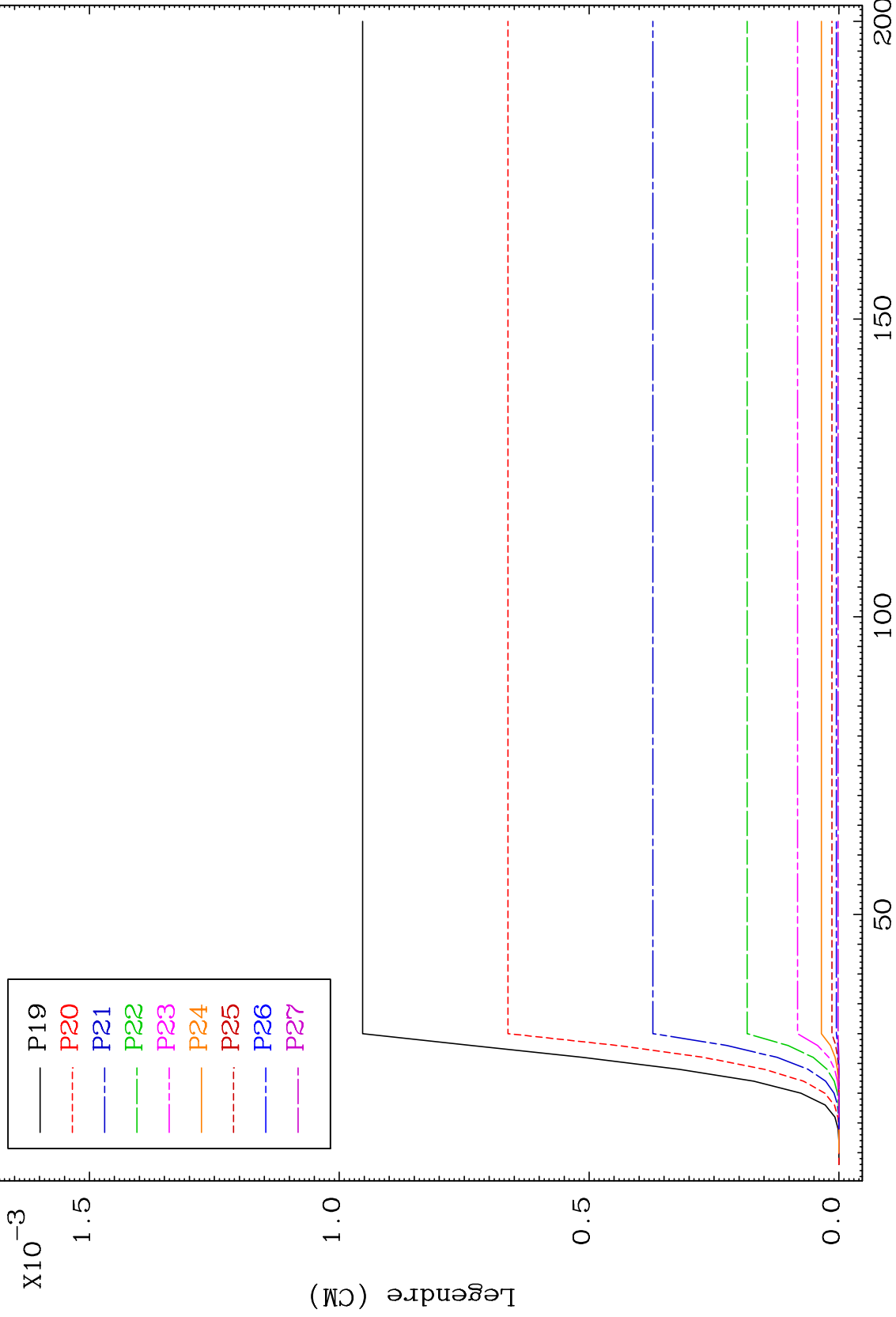
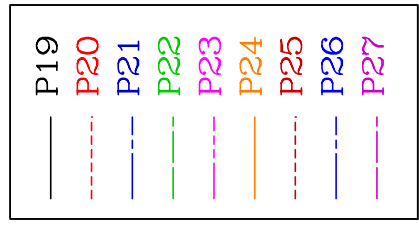
Incident Energy (MeV)

49-In-105

MAT 4901

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

49-In-105



34

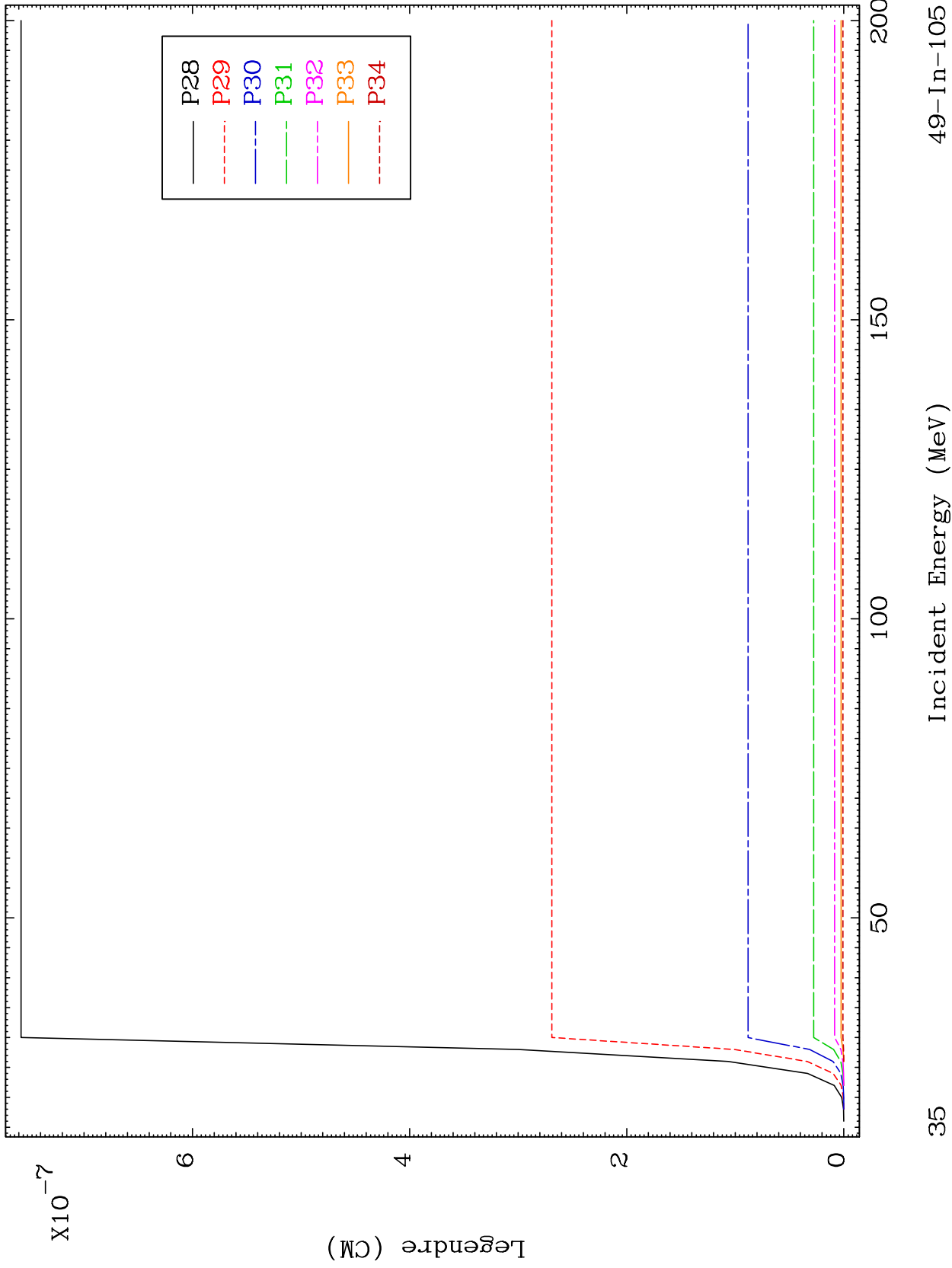
Incident Energy (MeV)

49-In-105

MAT 4901

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

49-In-105



35

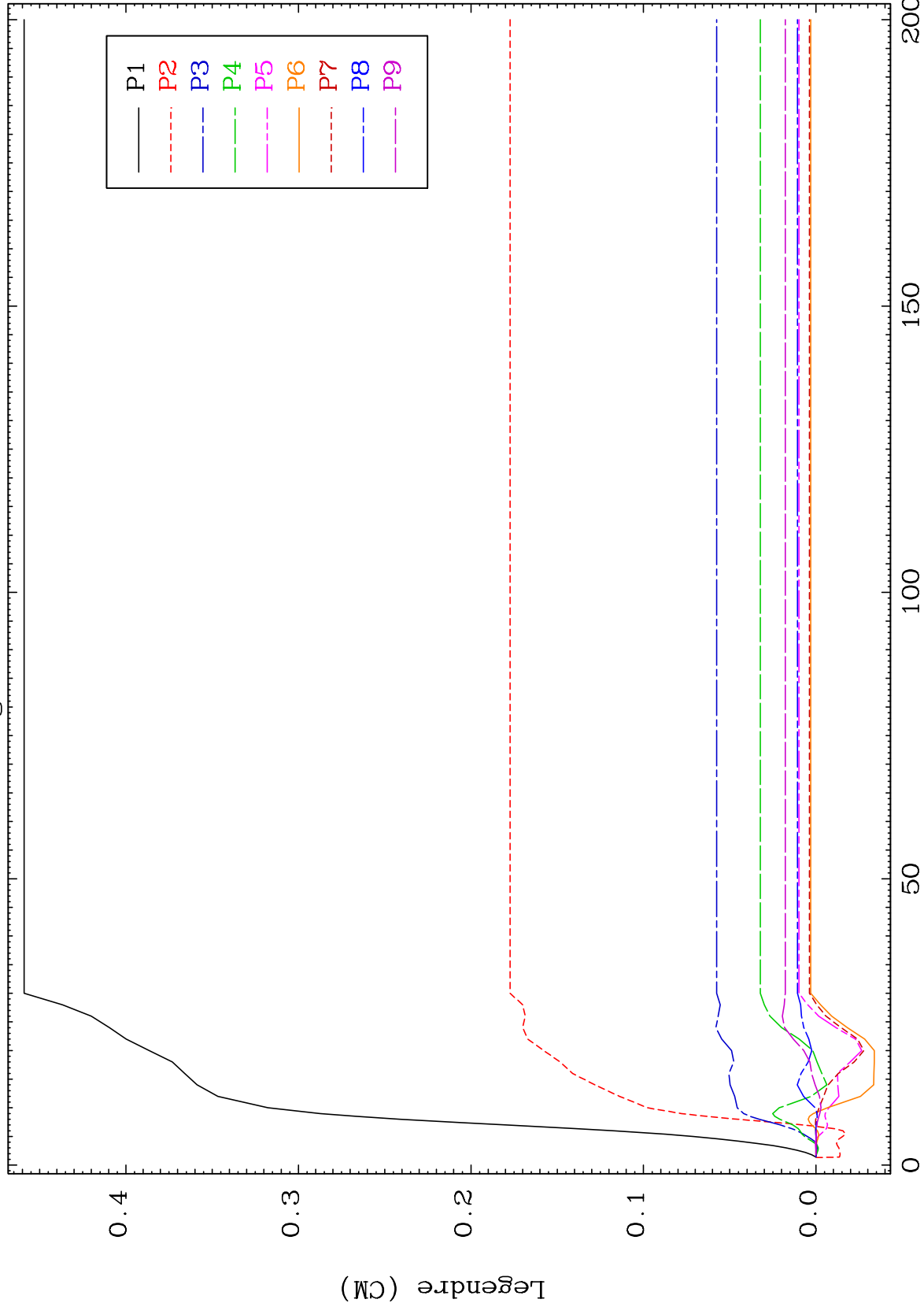
Incident Energy (MeV)

49-In-105

MAT 4901

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

49-In-105



36

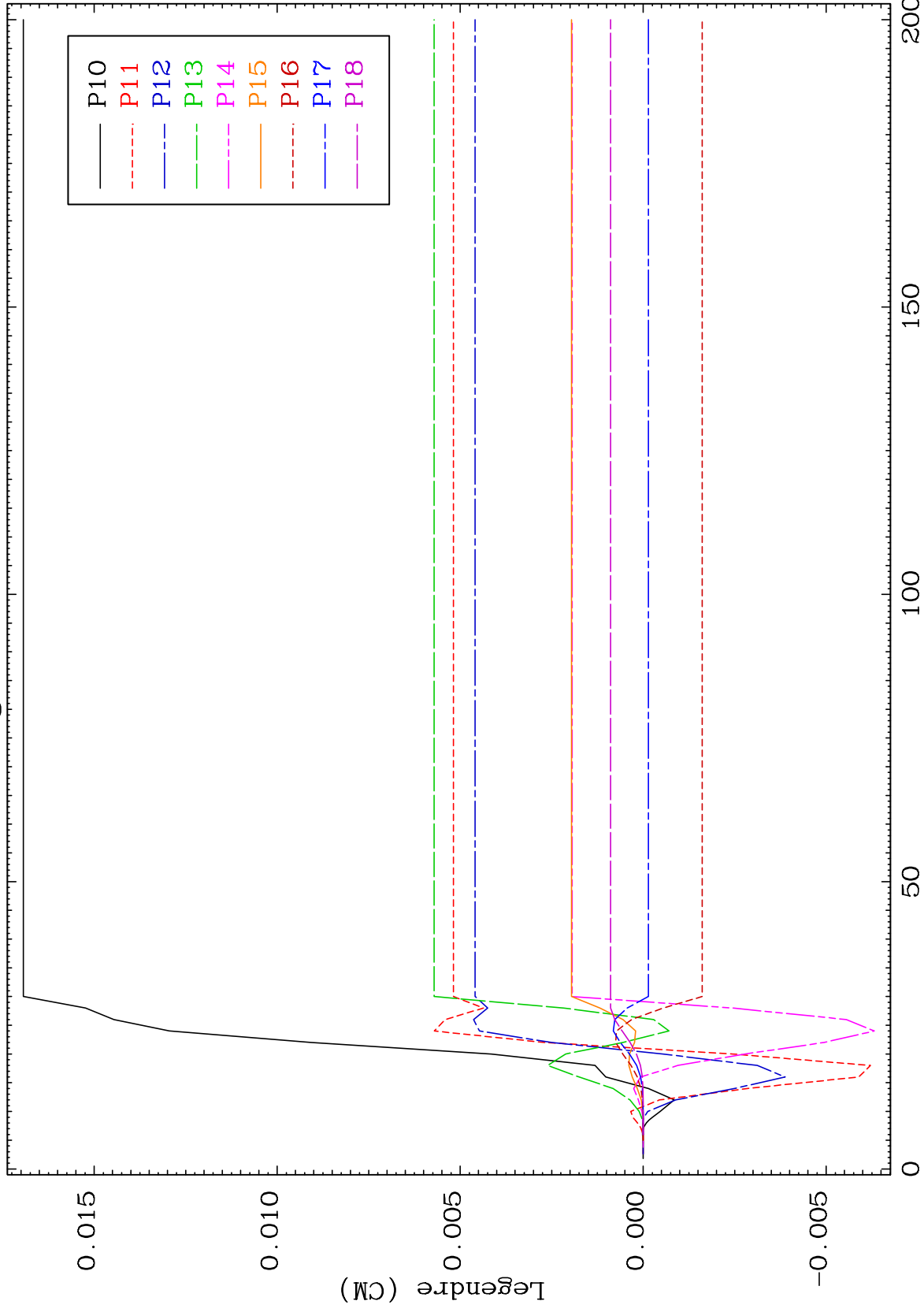
Incident Energy (MeV)

49-In-105

MAT 4901

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

49-In-105



37

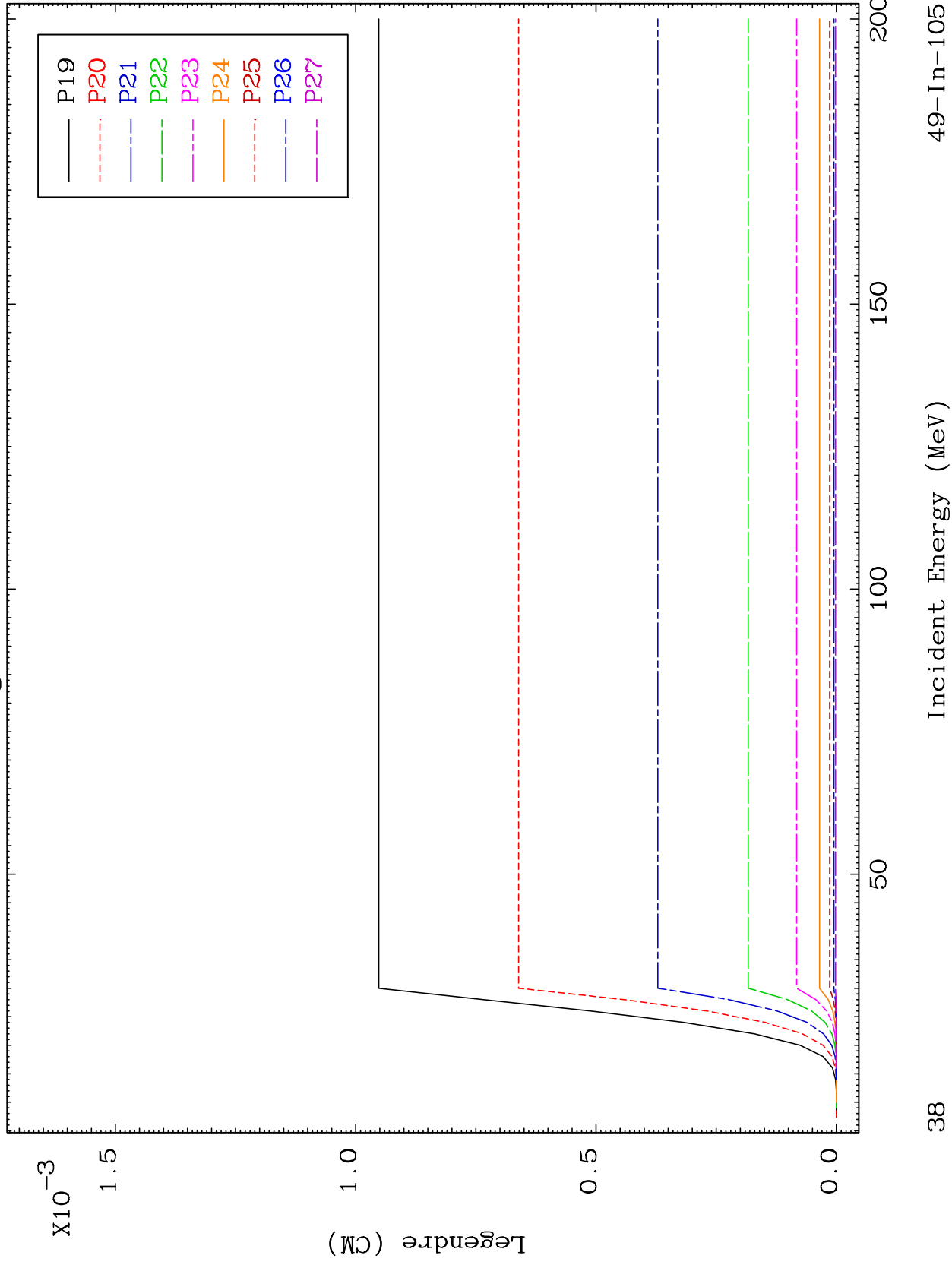
Incident Energy (MeV)

49-In-105

MAT 4901

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

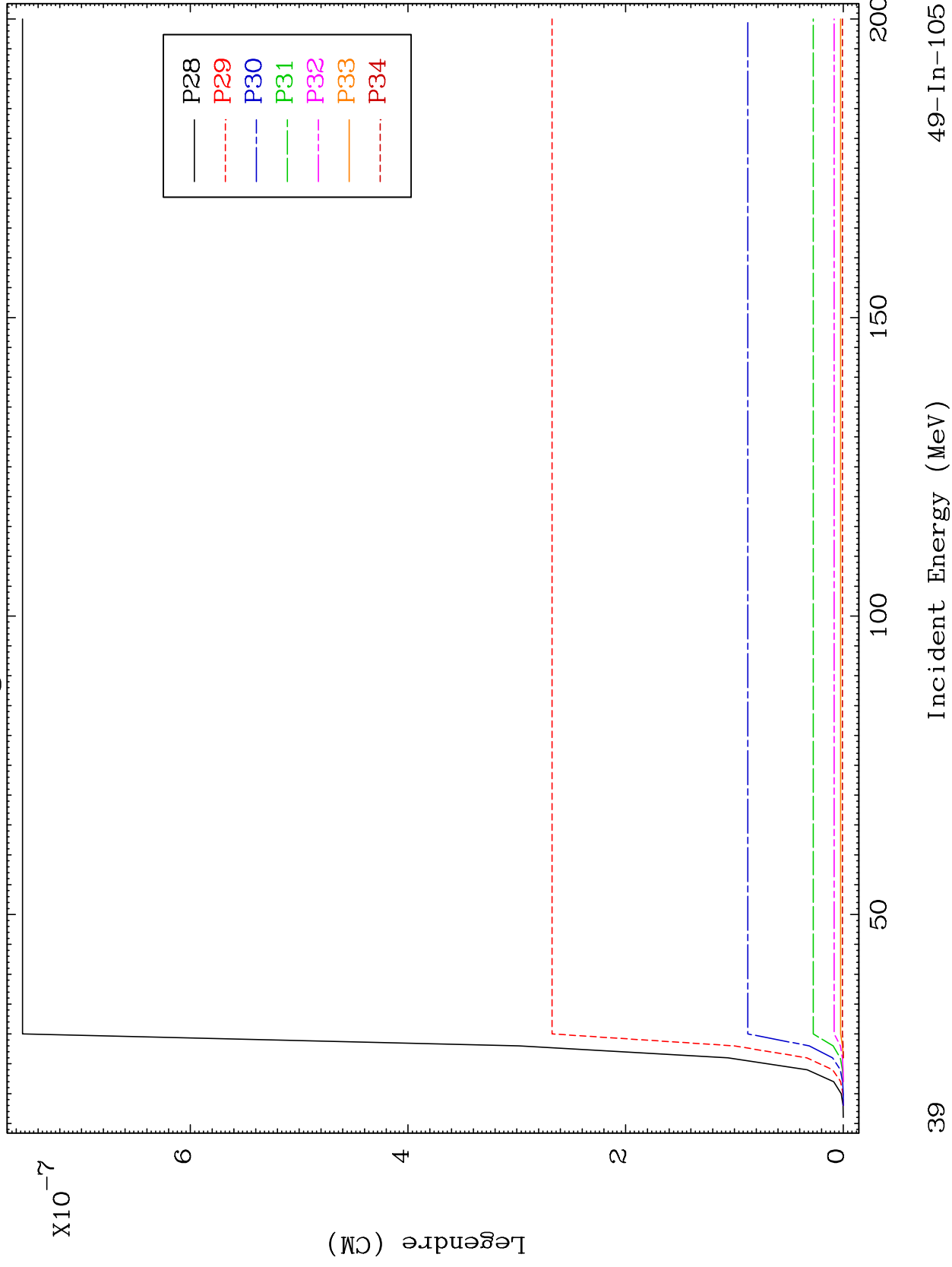
49-In-105



MAT 4901

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

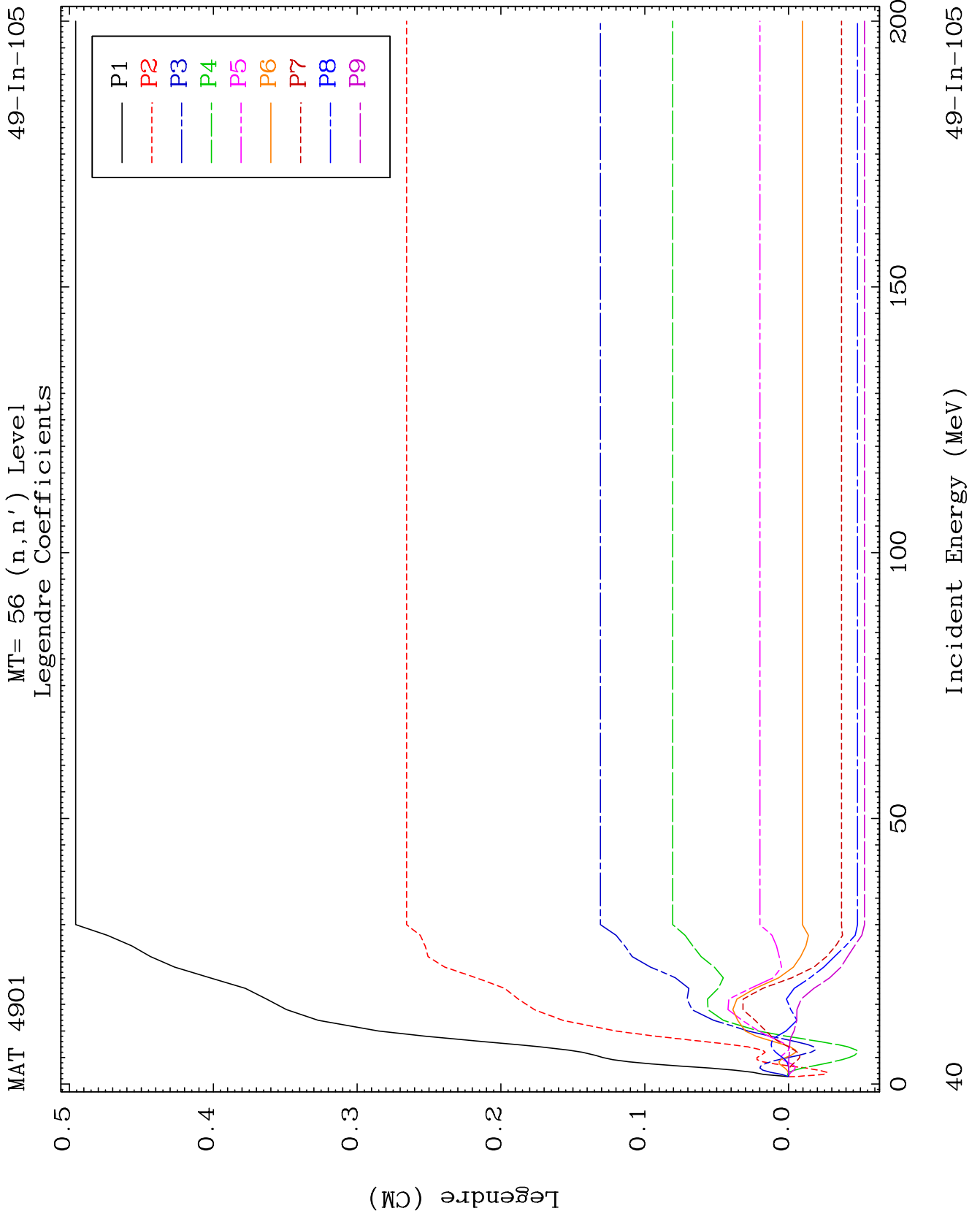
49-In-105

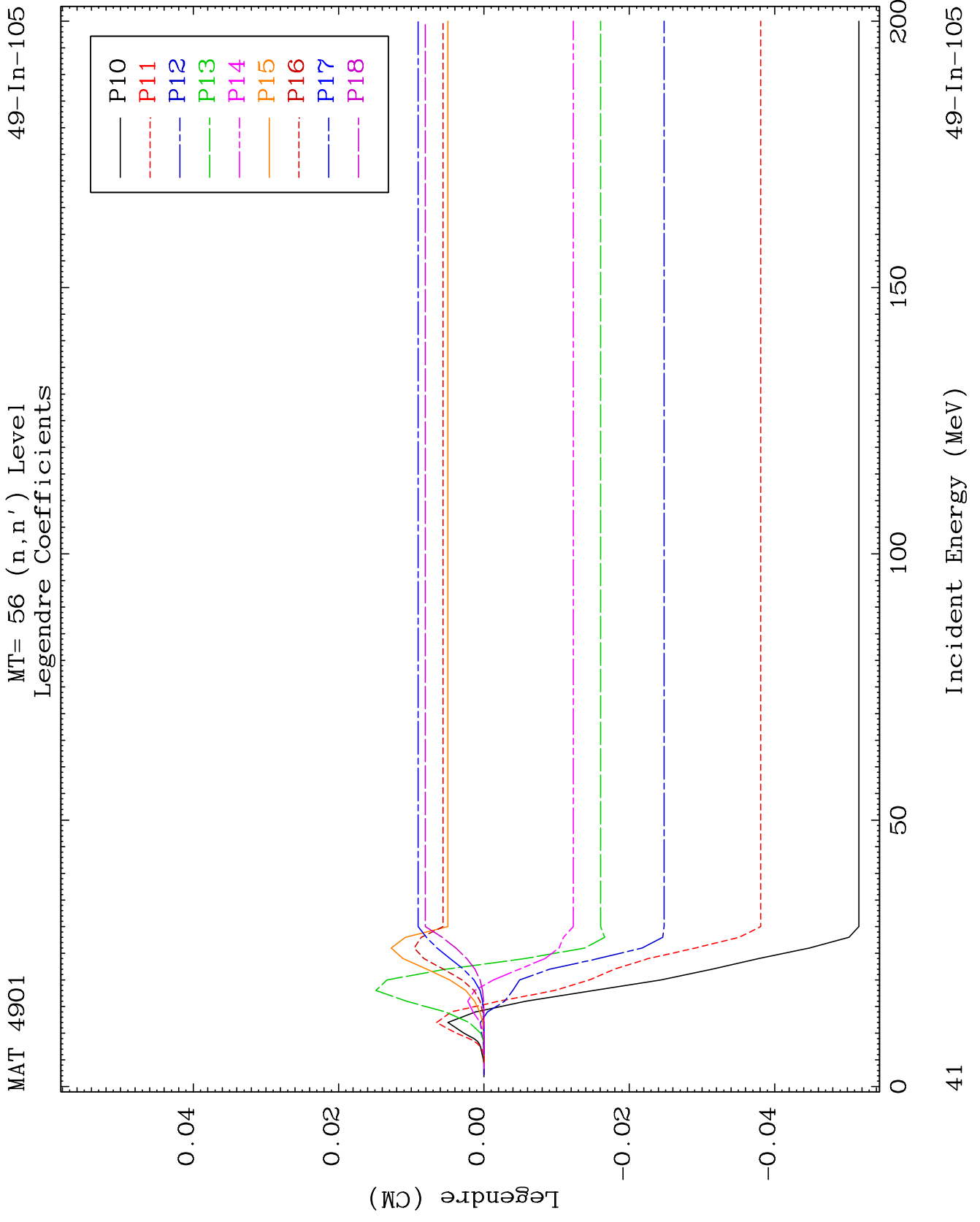


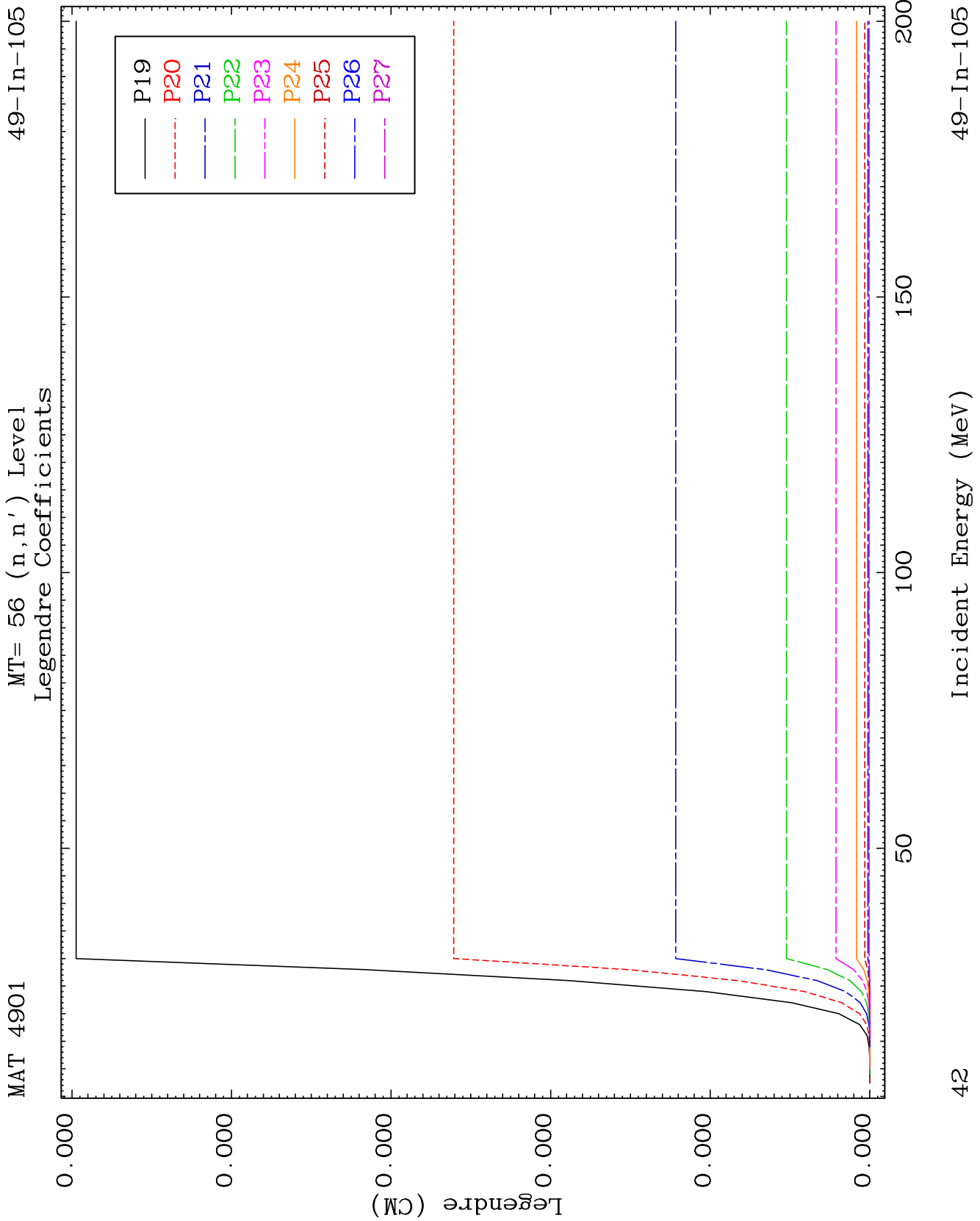
39

Incident Energy (MeV)

49-In-105



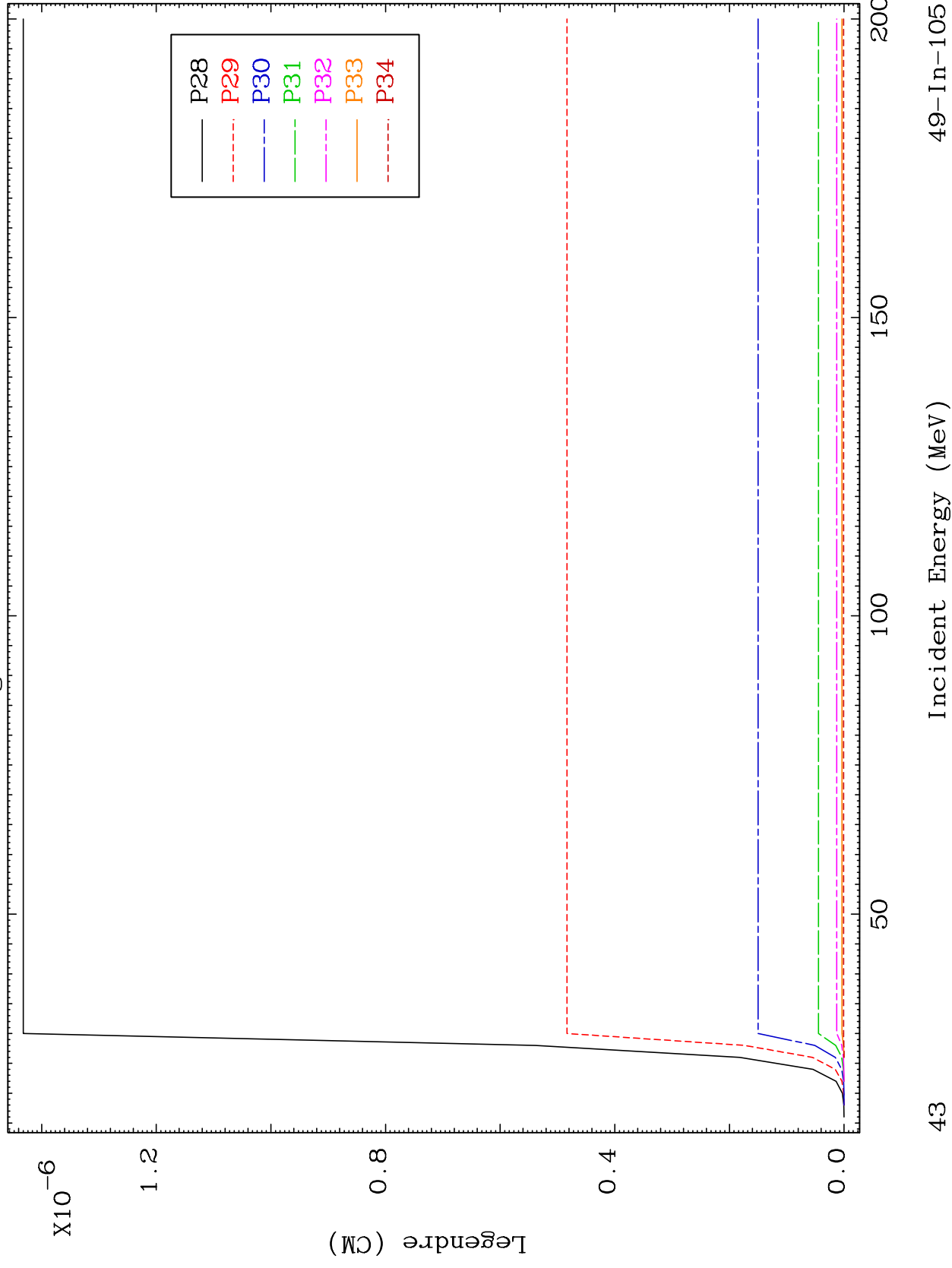




MAT 4901

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

49-In-105



43

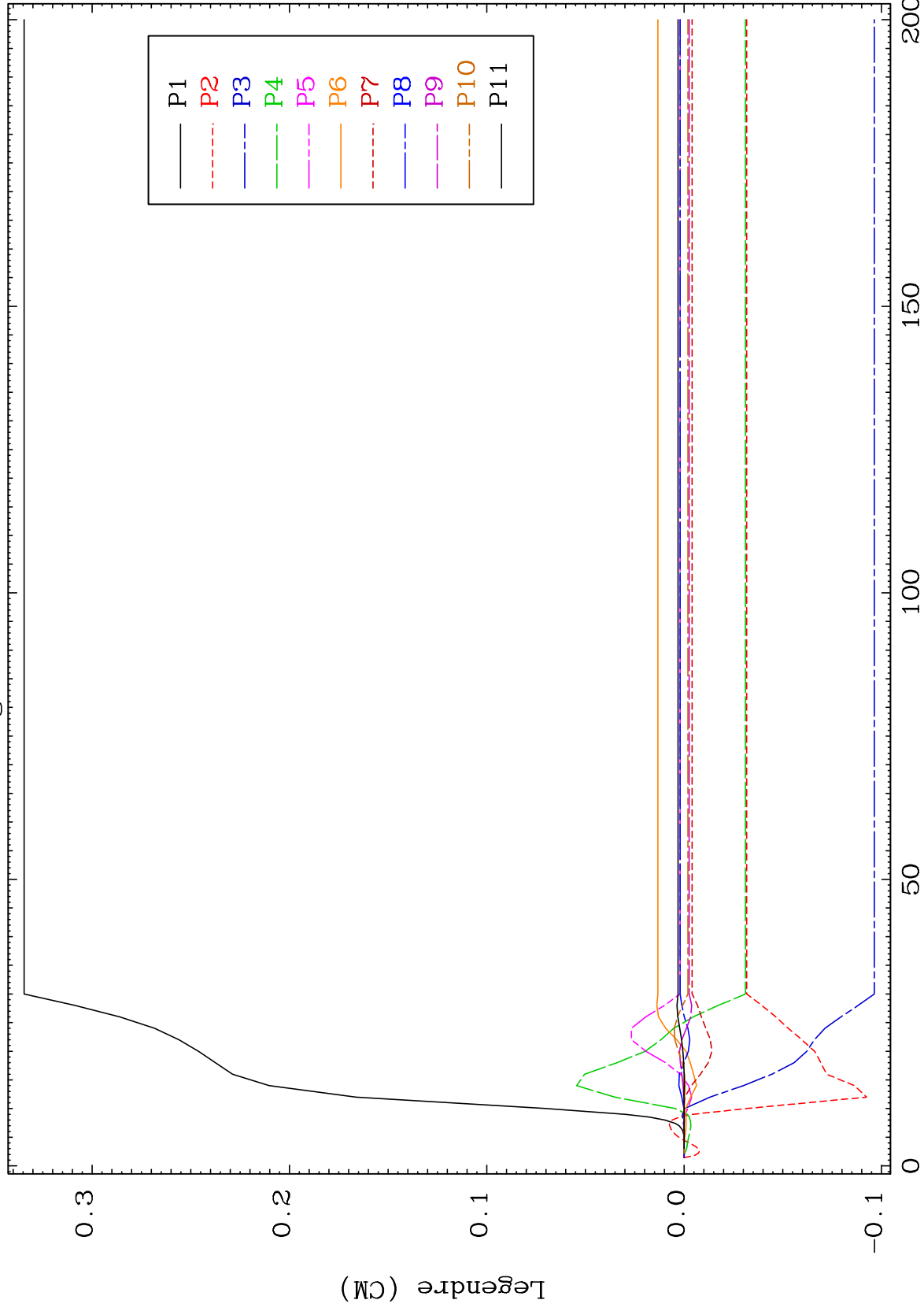
Incident Energy (MeV)

49-In-105

MAT 4901

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

49-In-105



44

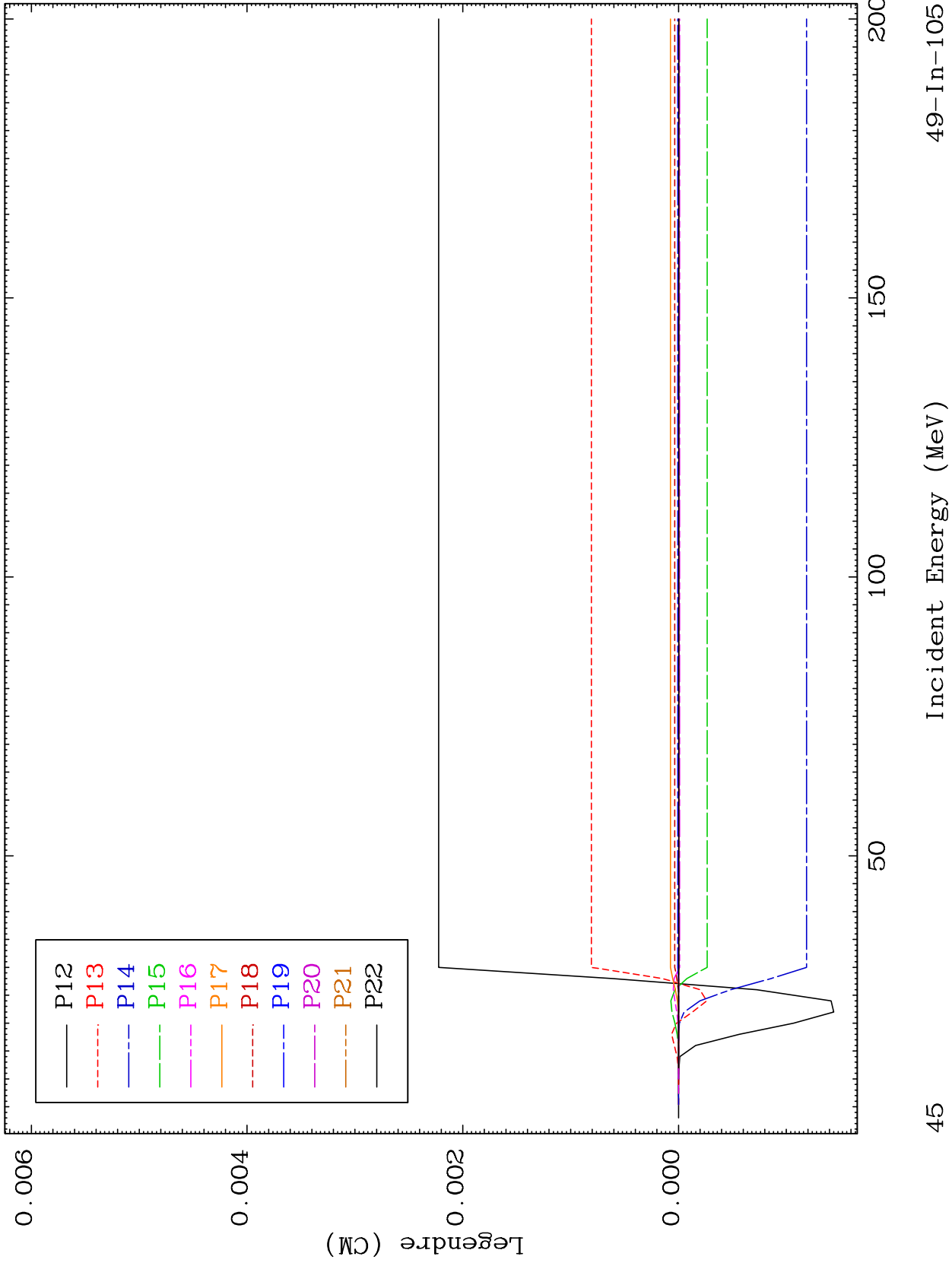
Incident Energy (MeV)

49-In-105

MAT 4901

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

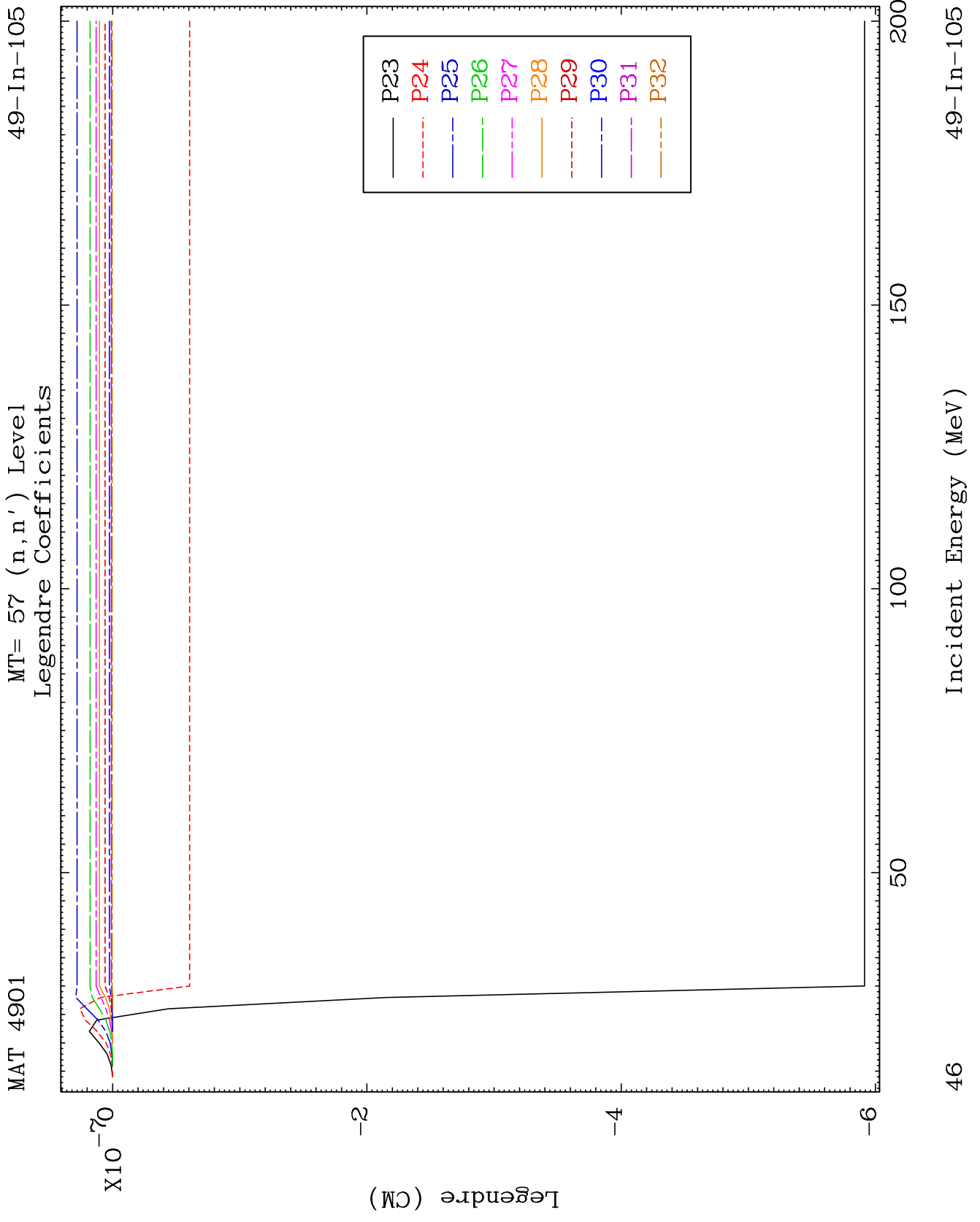
49-In-105

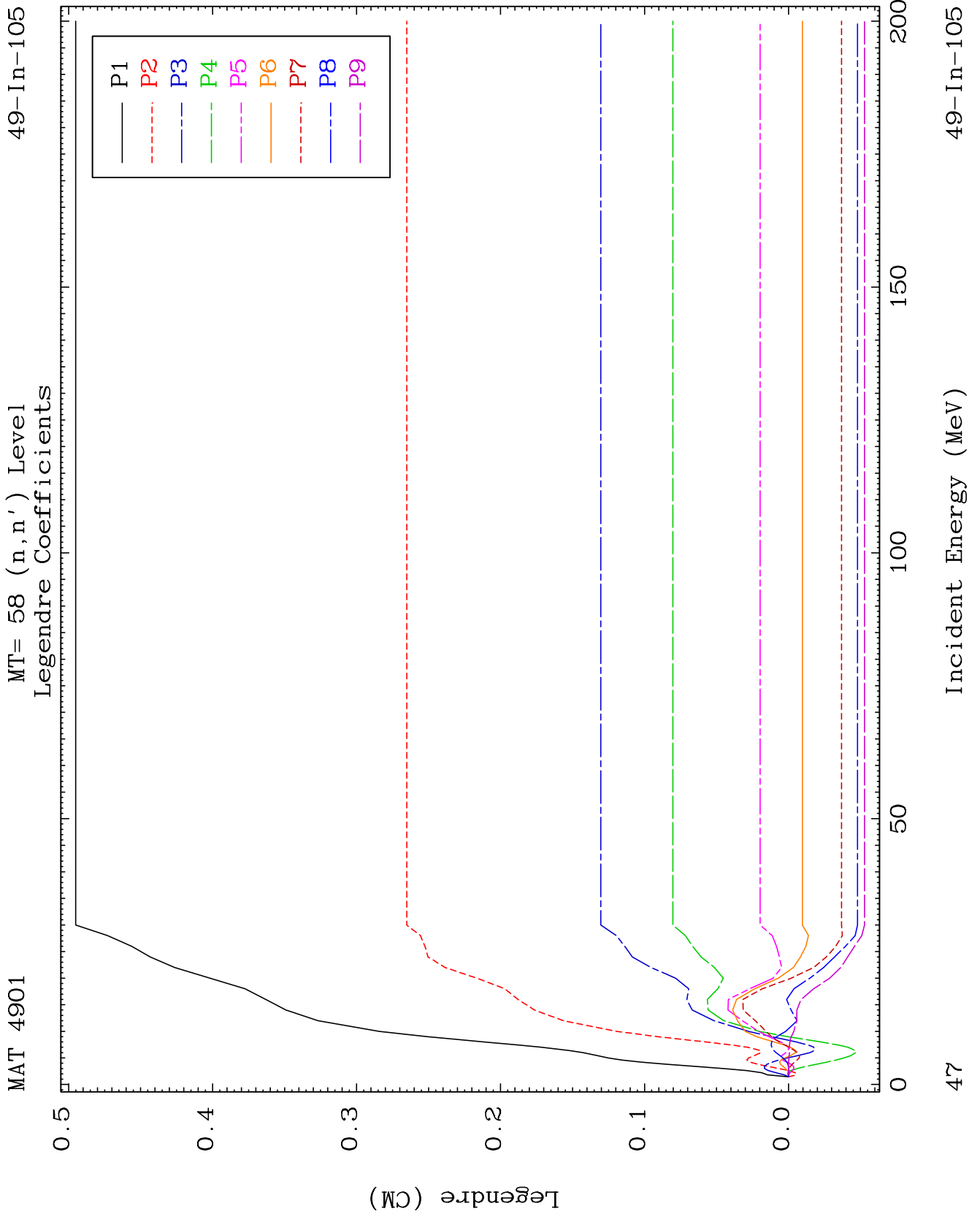


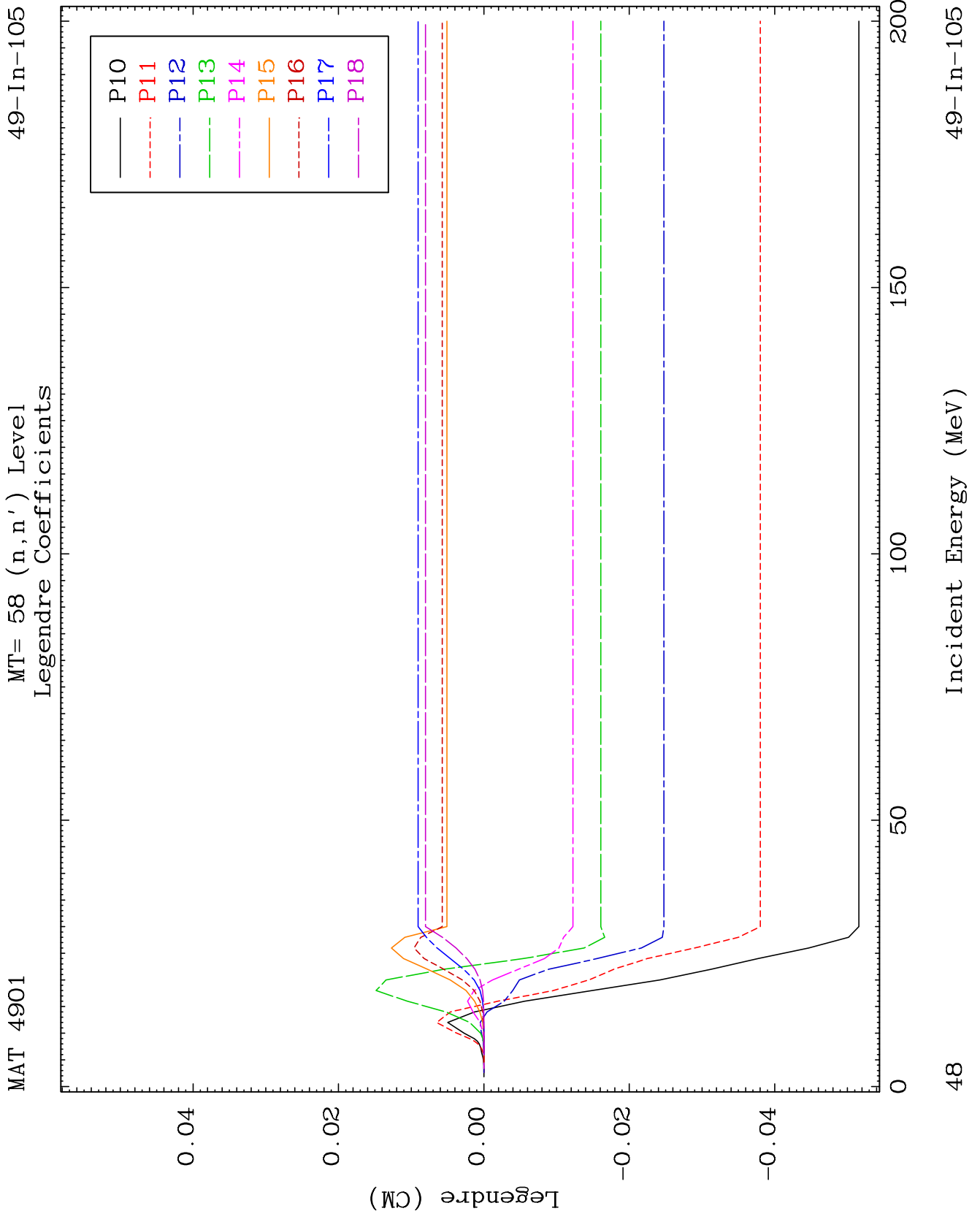
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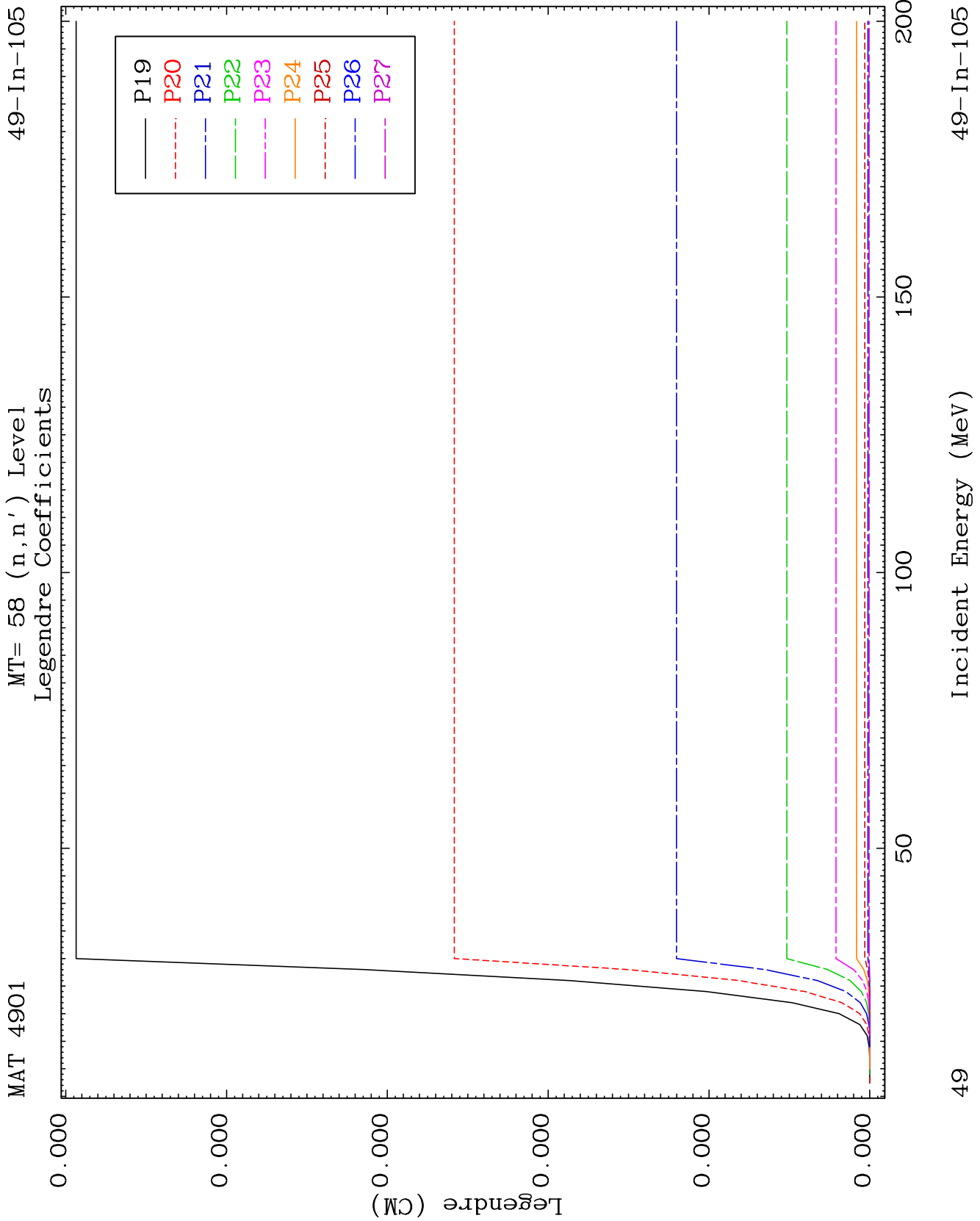
Incident Energy (MeV)

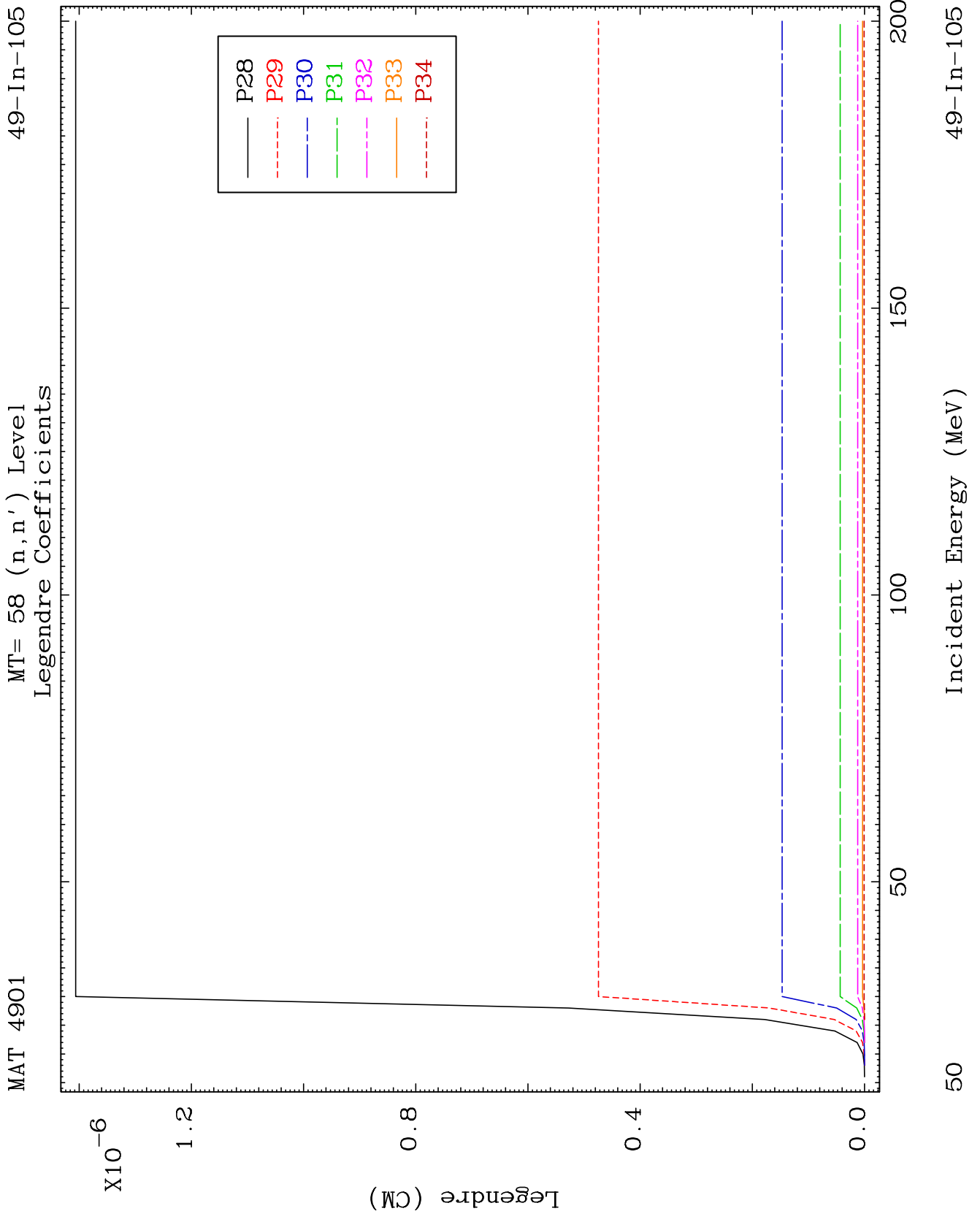
49-In-105

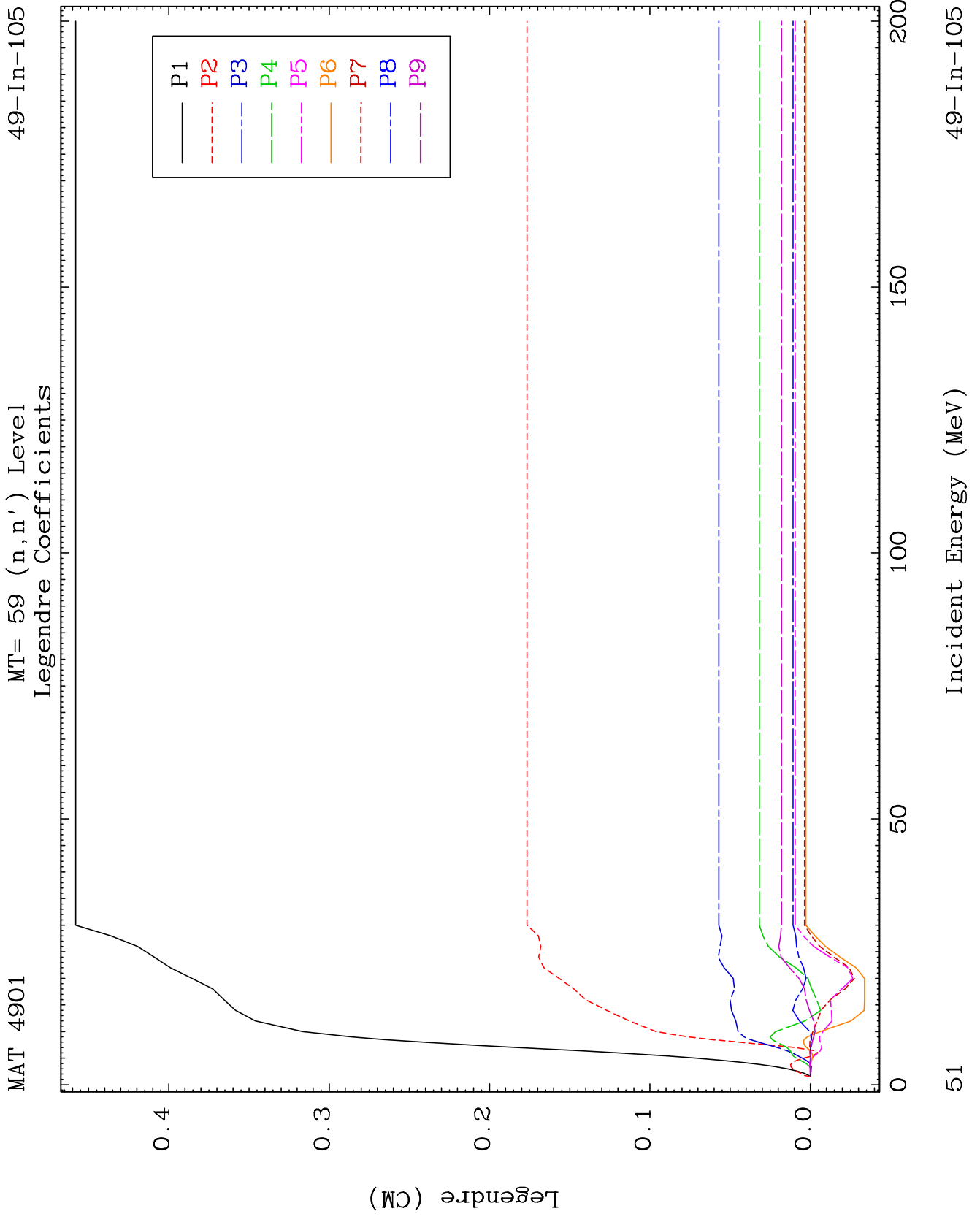


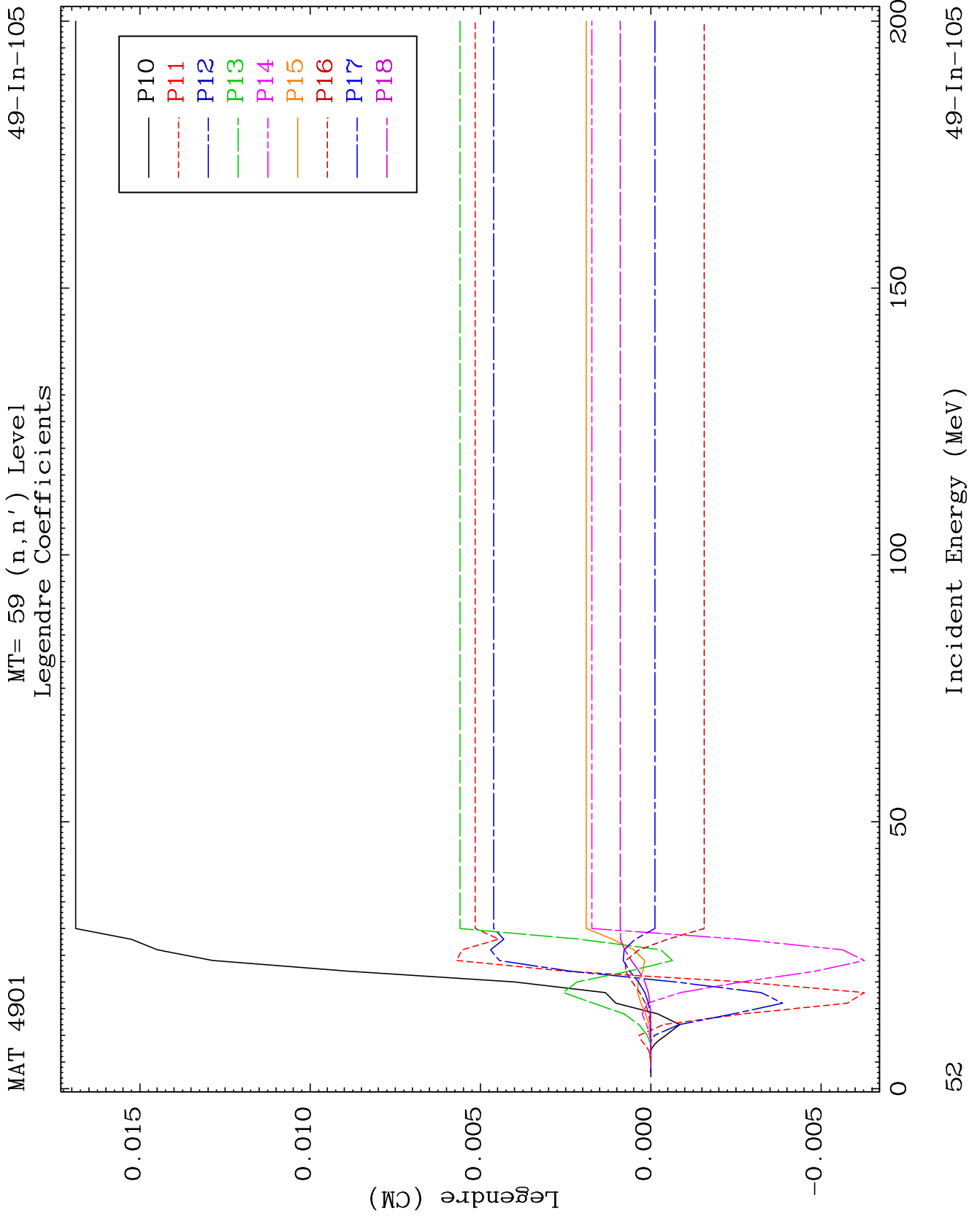








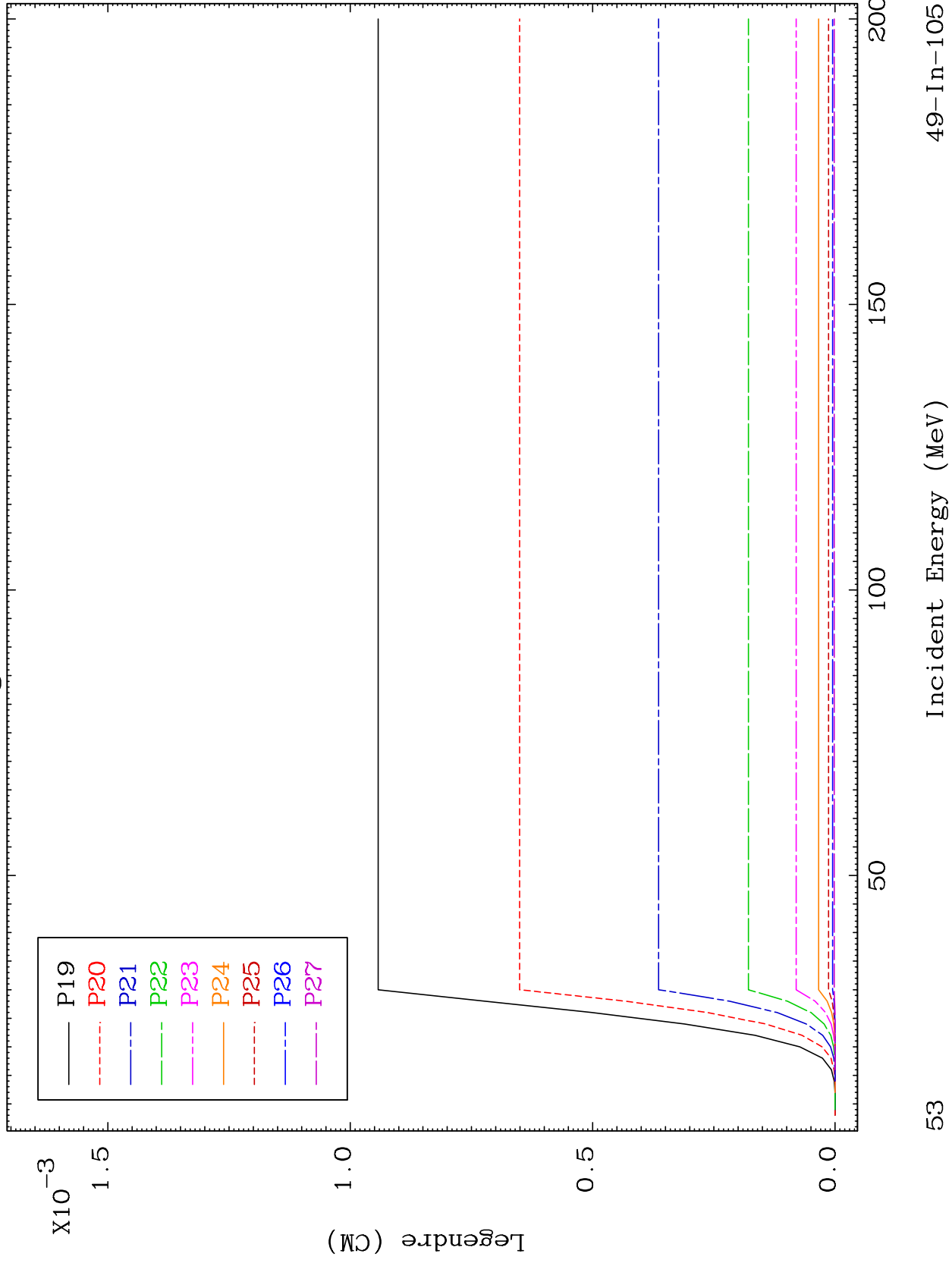




MAT 4901

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

49-In-105



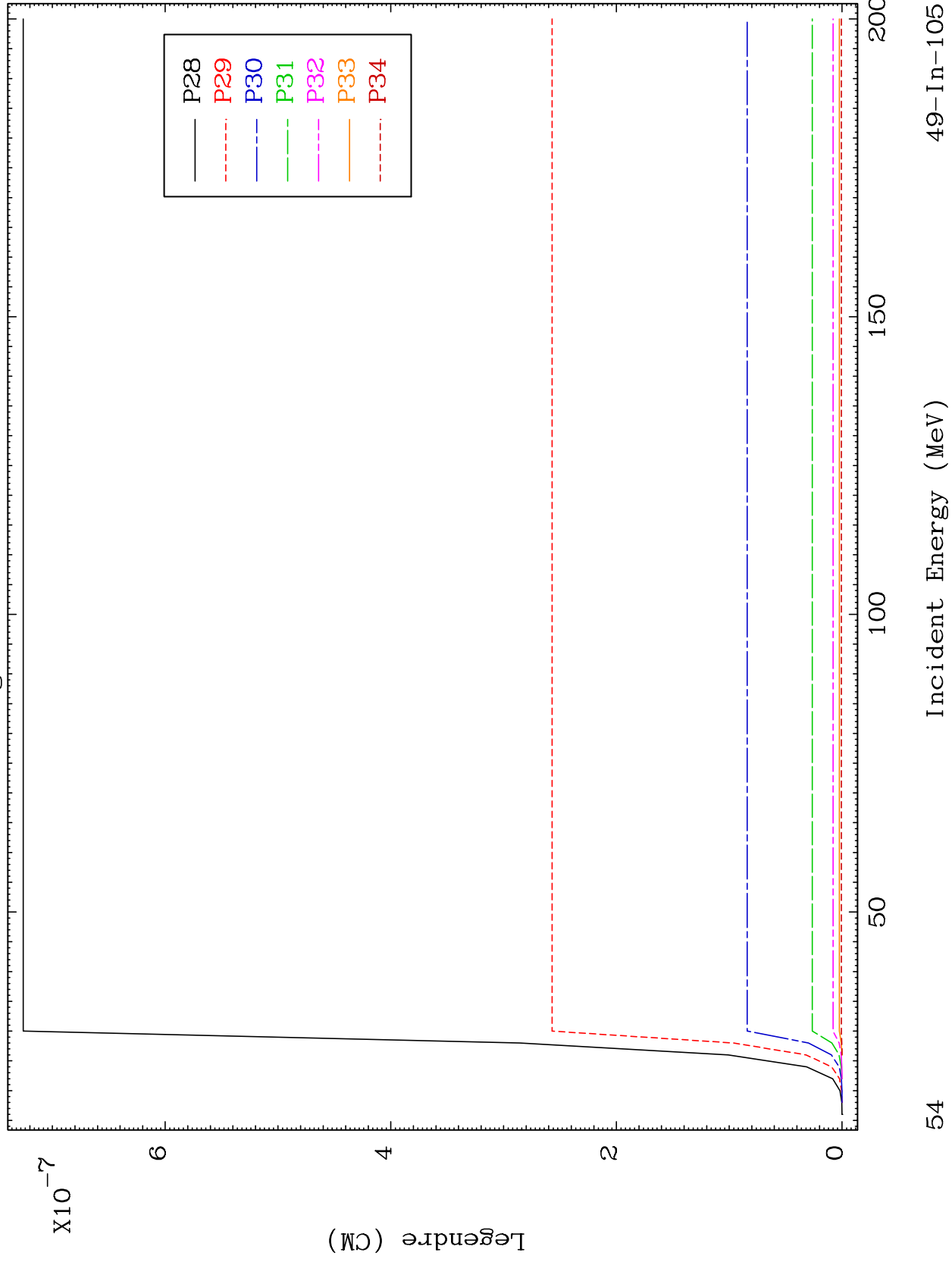
53

49-In-105

MAT 4901

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

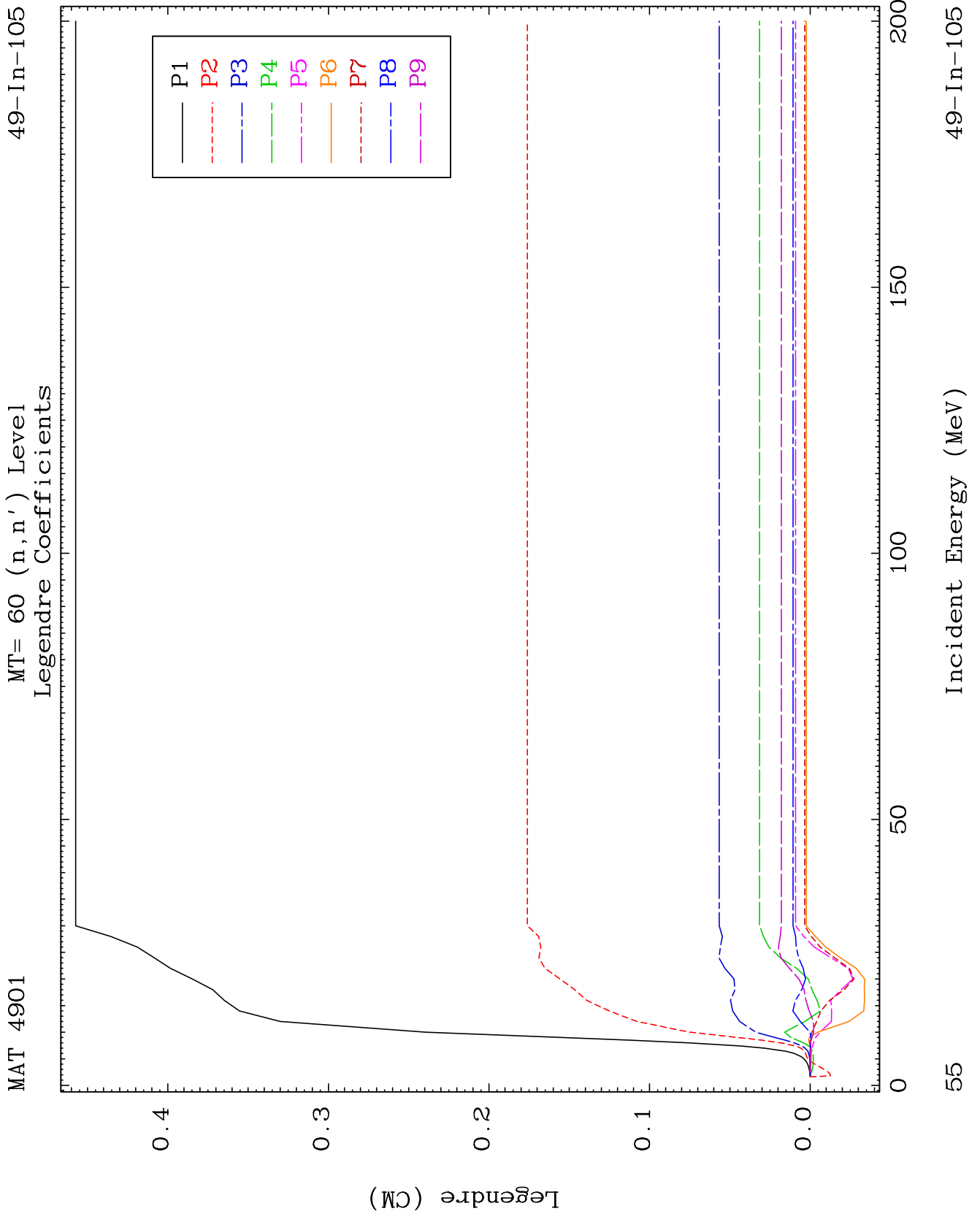
49-In-105



54

Incident Energy (MeV)

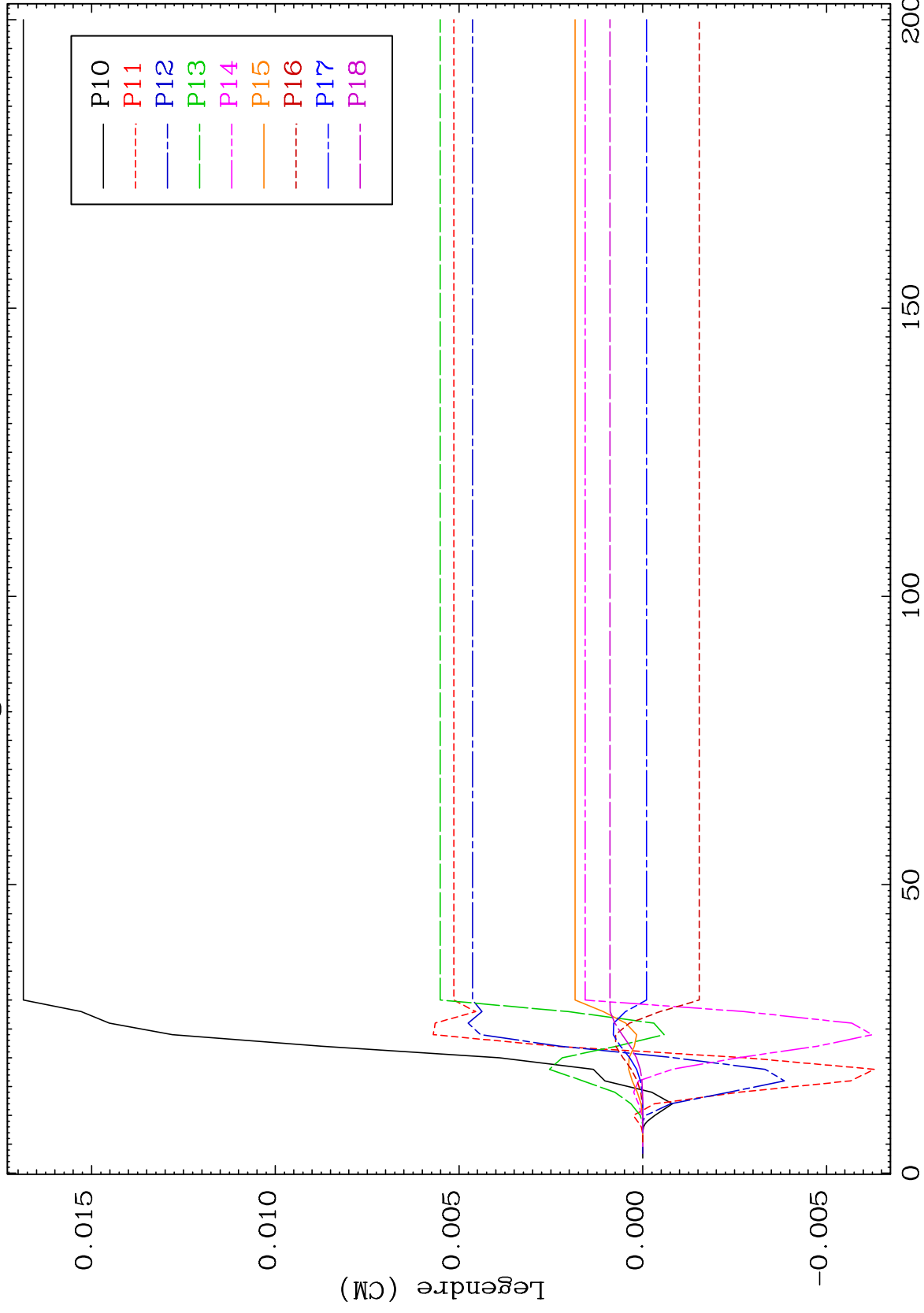
49-In-105



MAT 4901

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

49-In-105



56

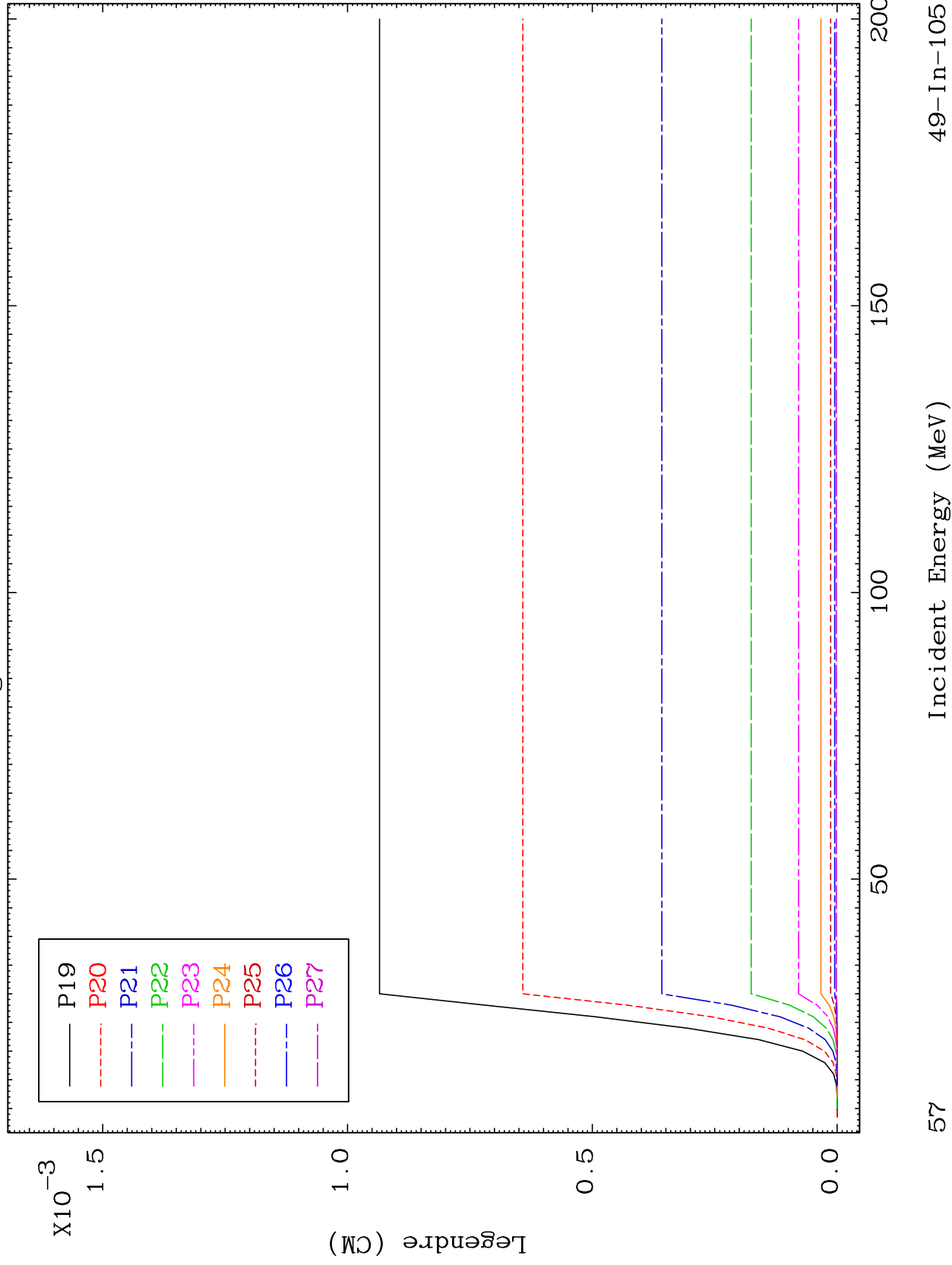
Incident Energy (MeV)

49-In-105

MAT 4901

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

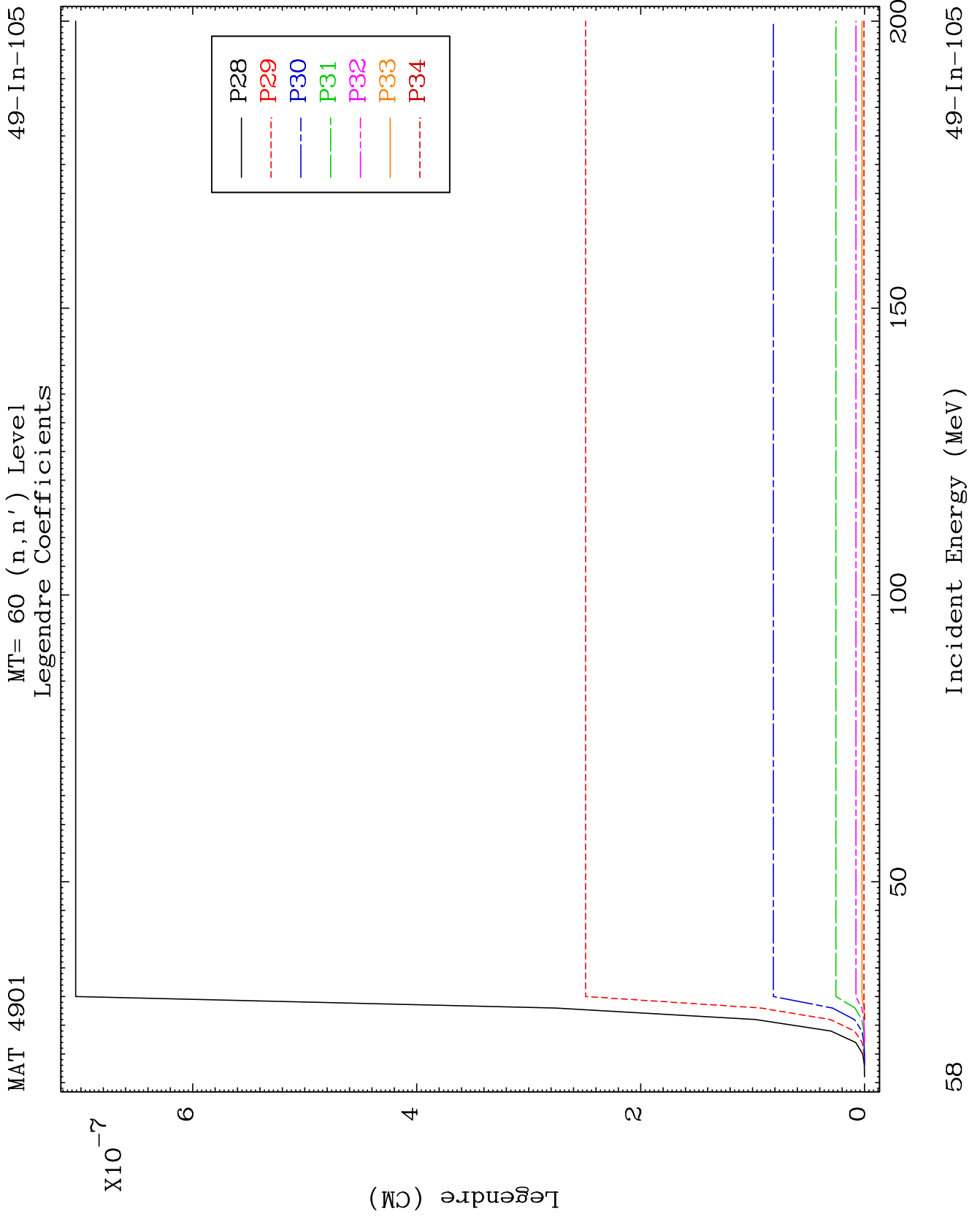
49-In-105

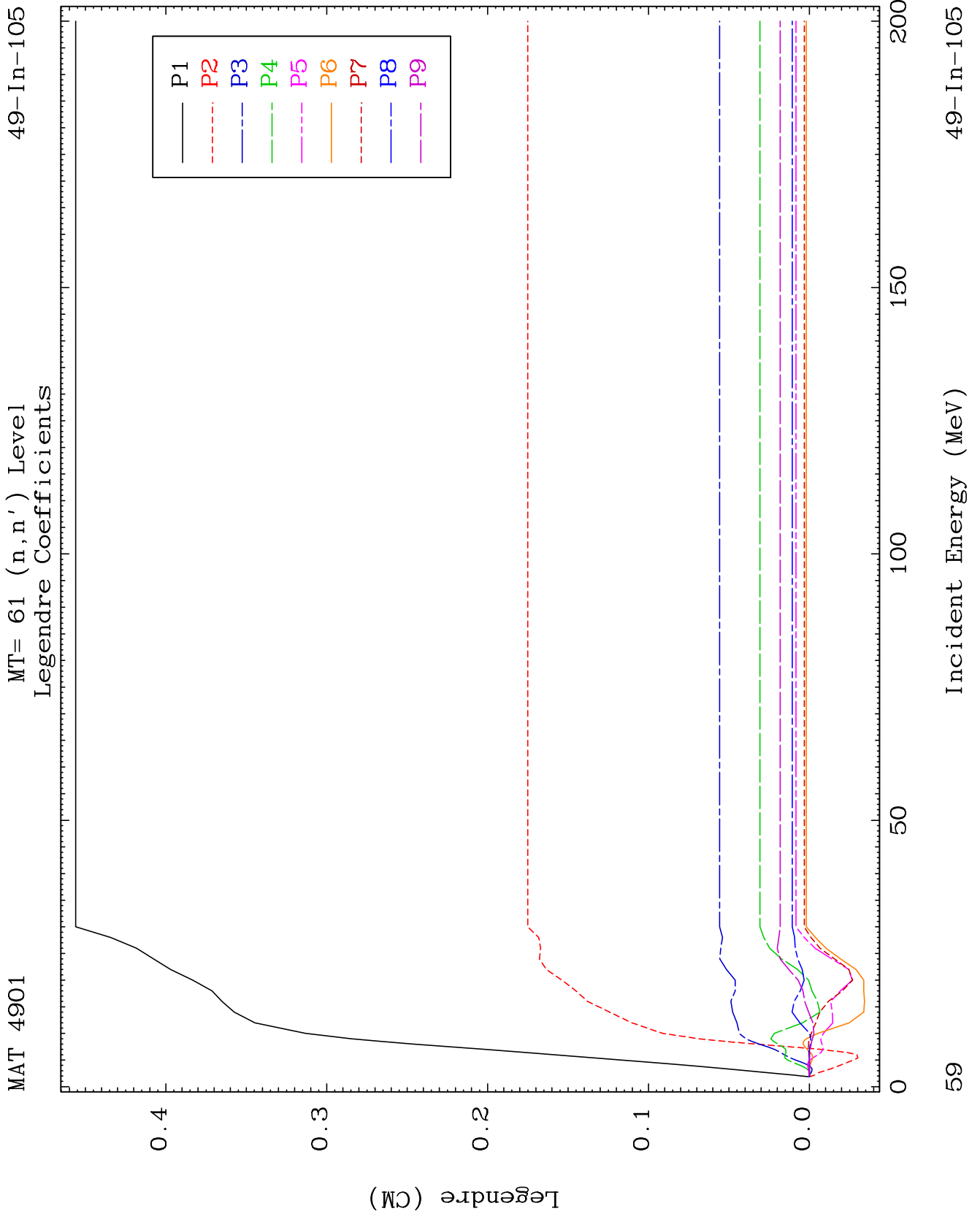


57

Incident Energy (MeV)

49-In-105

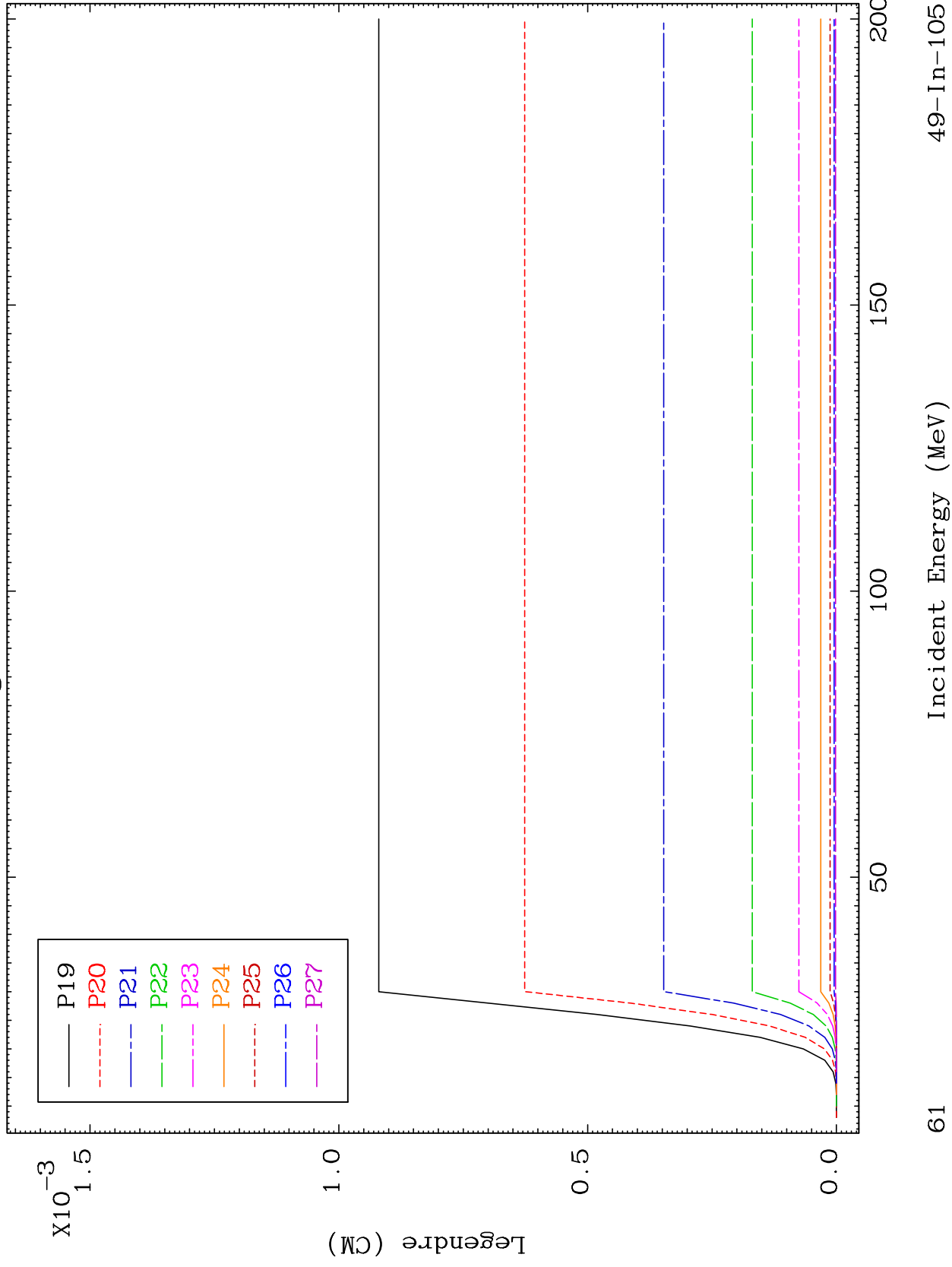




MAT 4901

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

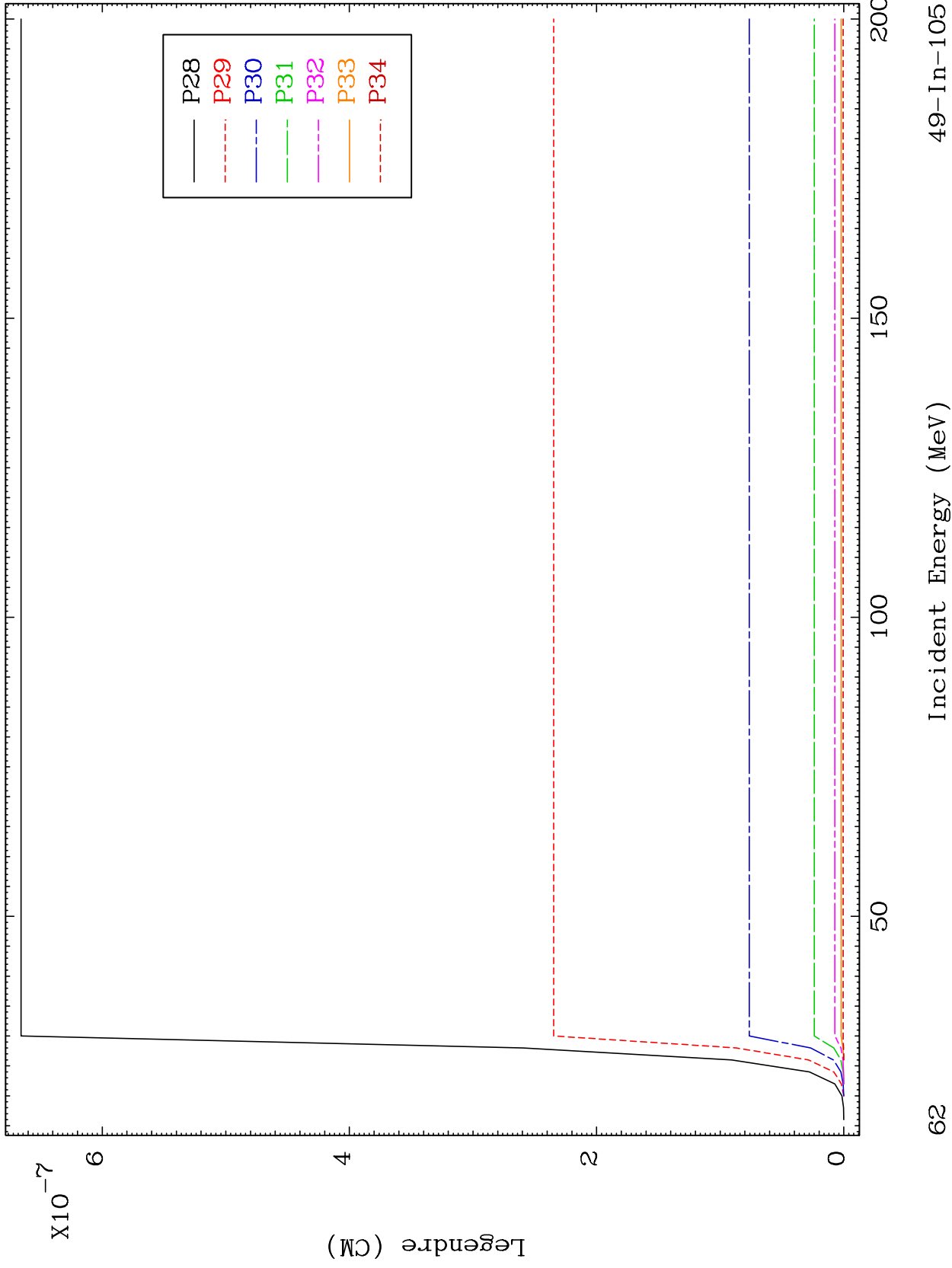
49-In-105



MAT 4901

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

49-In-105



62

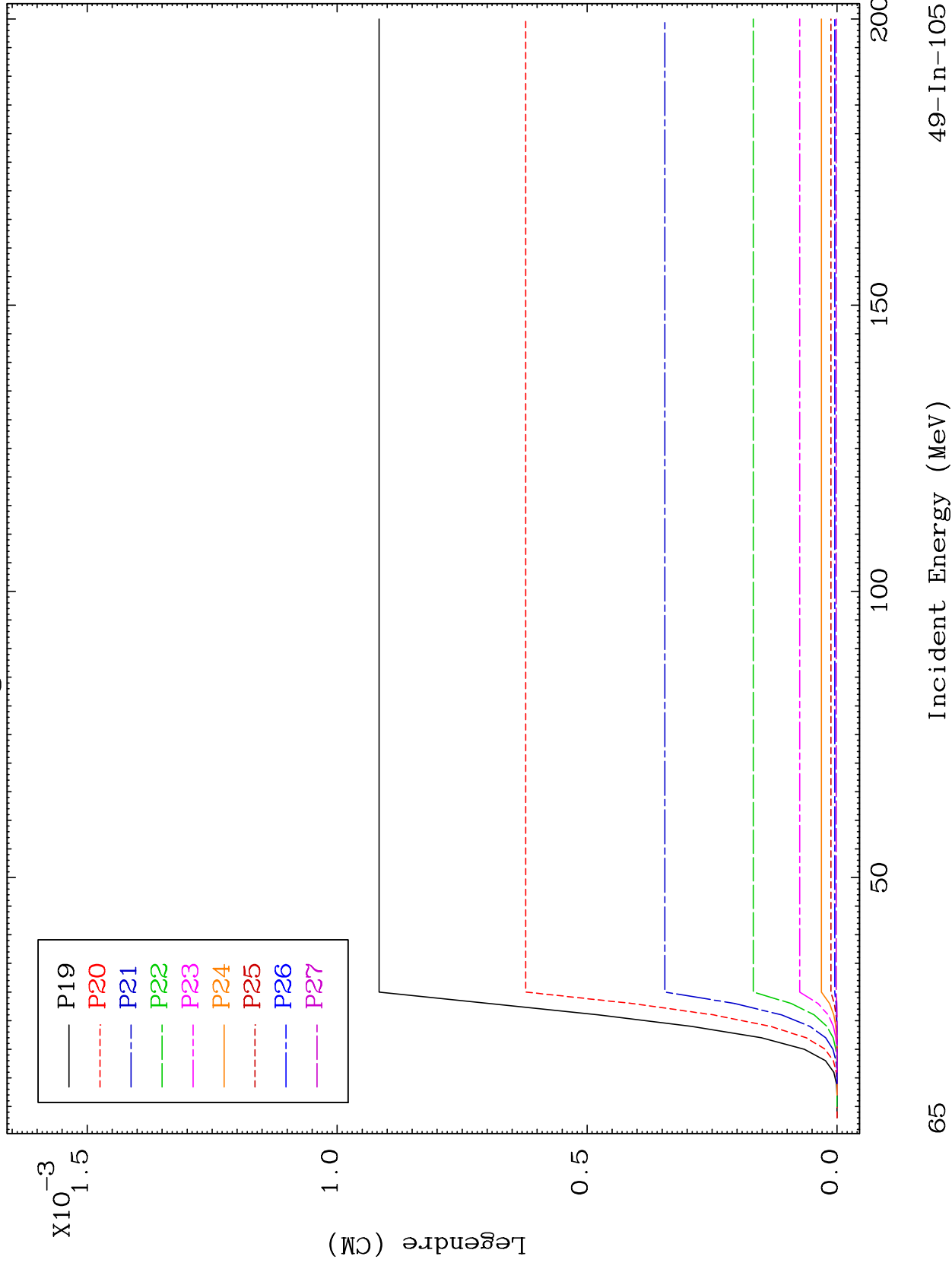
Incident Energy (MeV)

49-In-105

MAT 4901

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

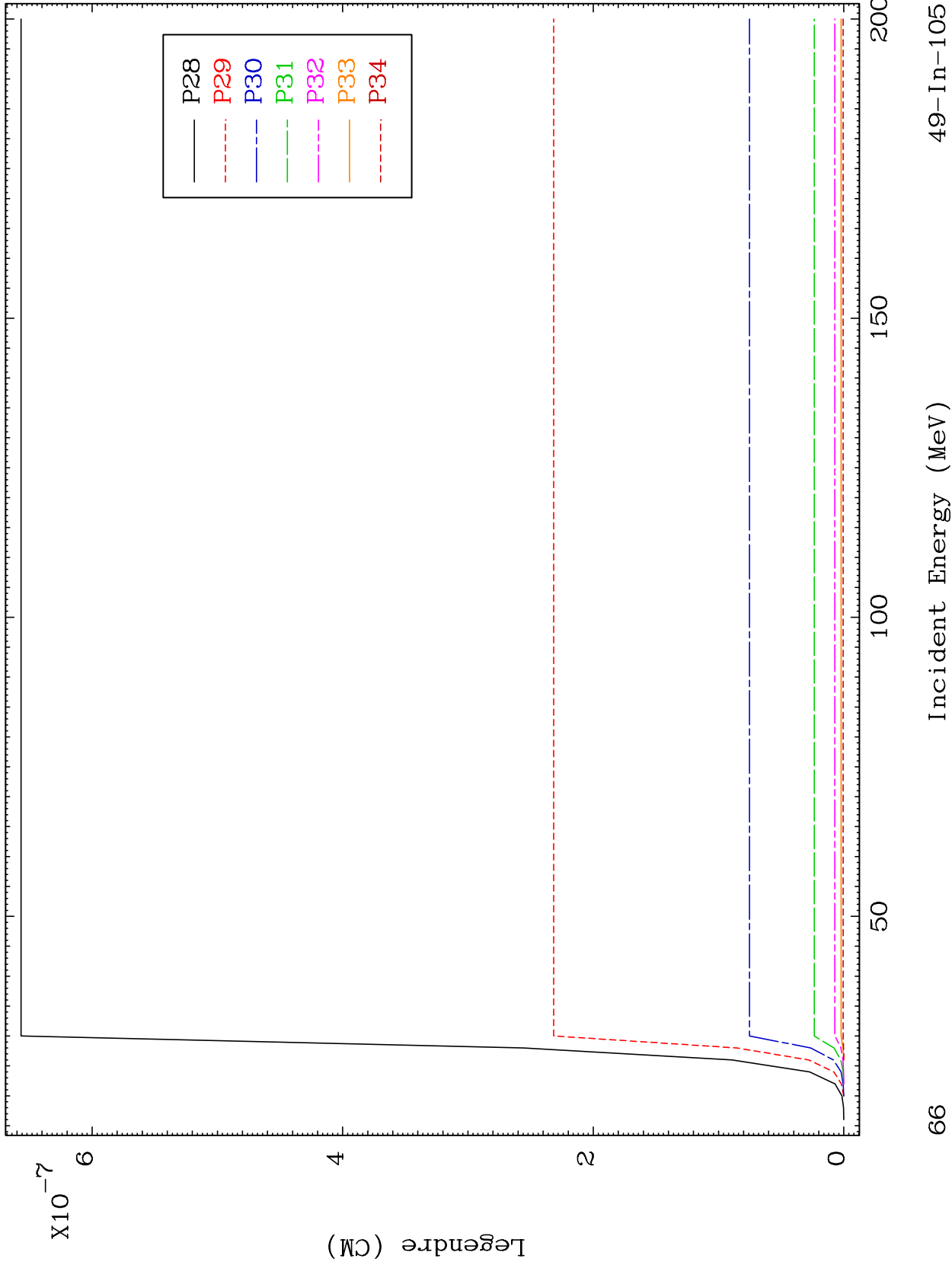
49-In-105



MAT 4901

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

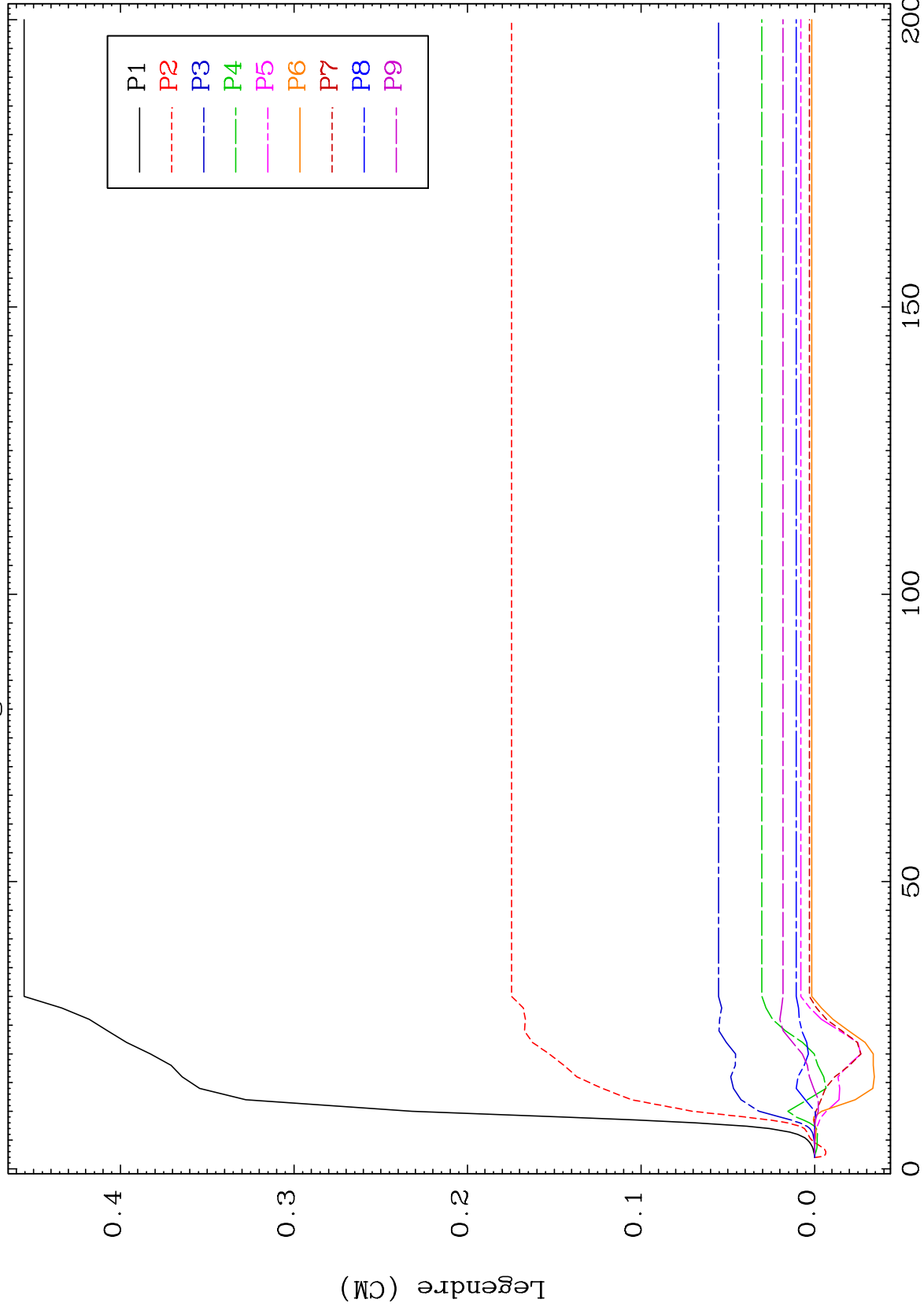
49-In-105



MAT 4901

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

49-In-105



67

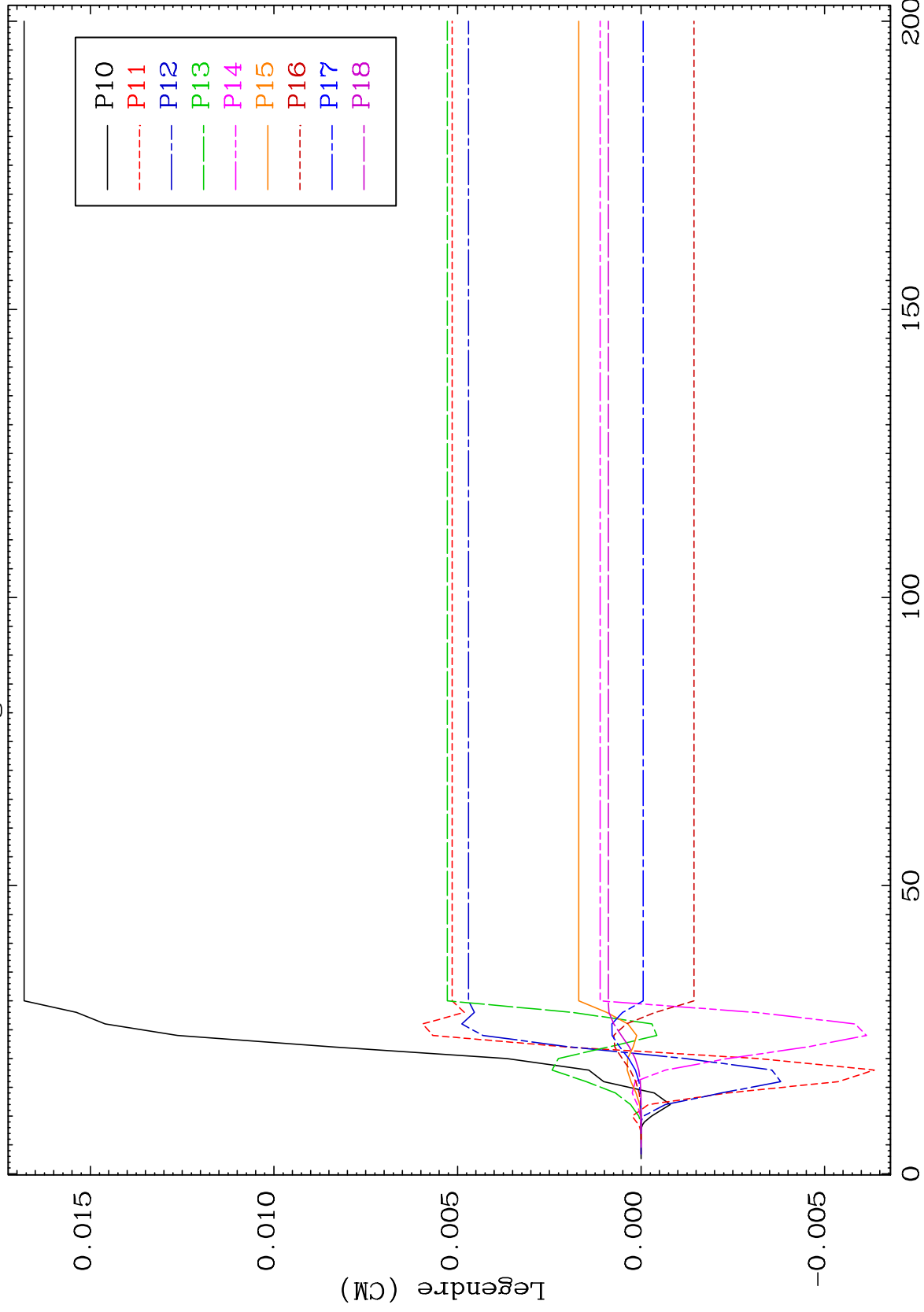
Incident Energy (MeV)

49-In-105

MAT 4901

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

49-In-105



68

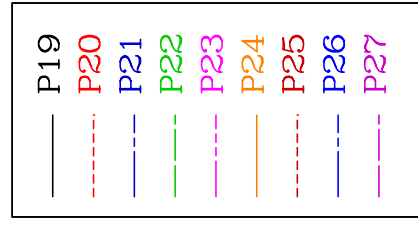
Incident Energy (MeV)

49-In-105

MAT 4901

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

49-In-105



$\times 10^{-3}$
1.5

Legendre (CM)

1.0

0.5

0.0

50

100

150

200

69

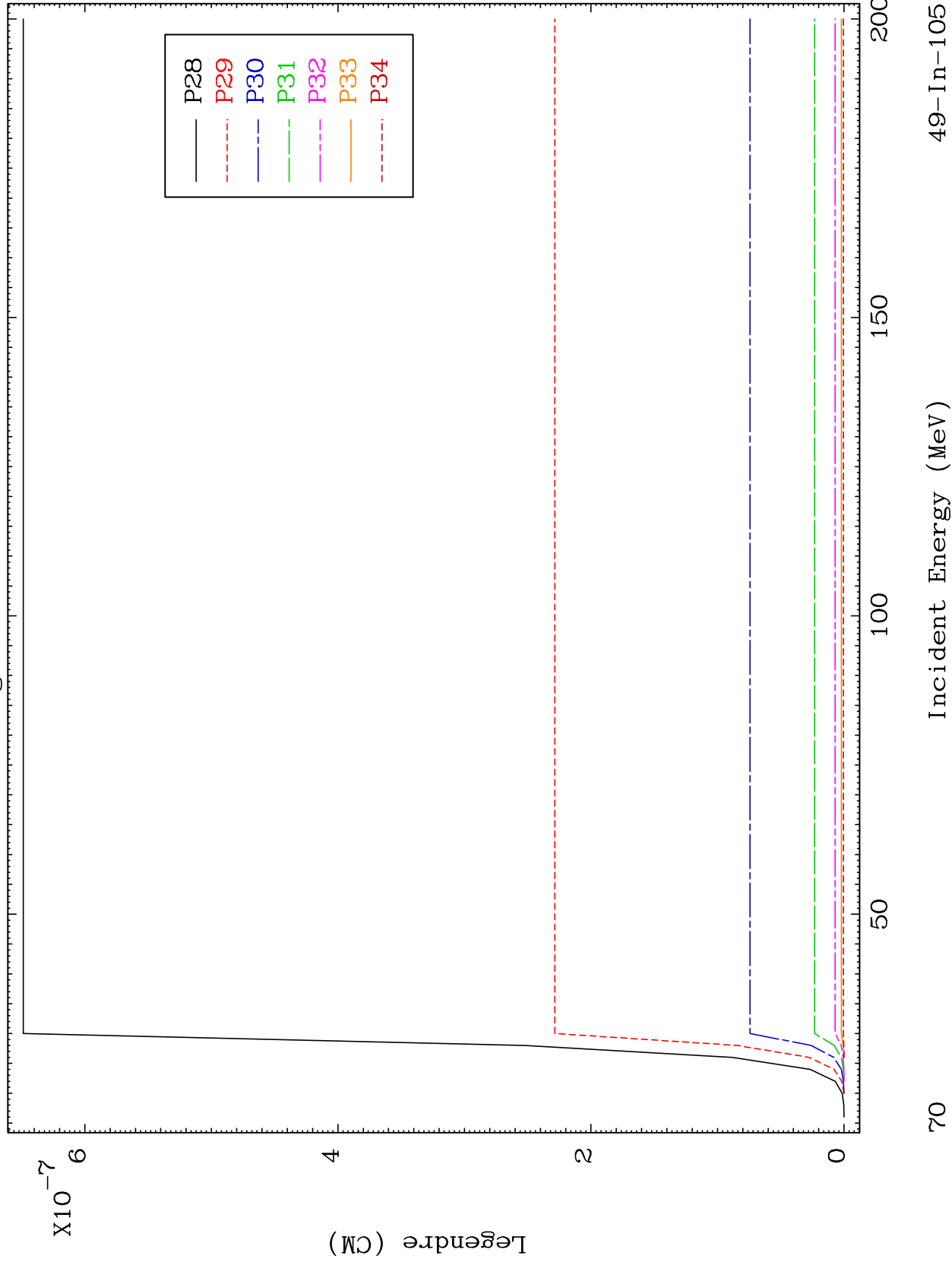
Incident Energy (MeV)

49-In-105

MAT 4901

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

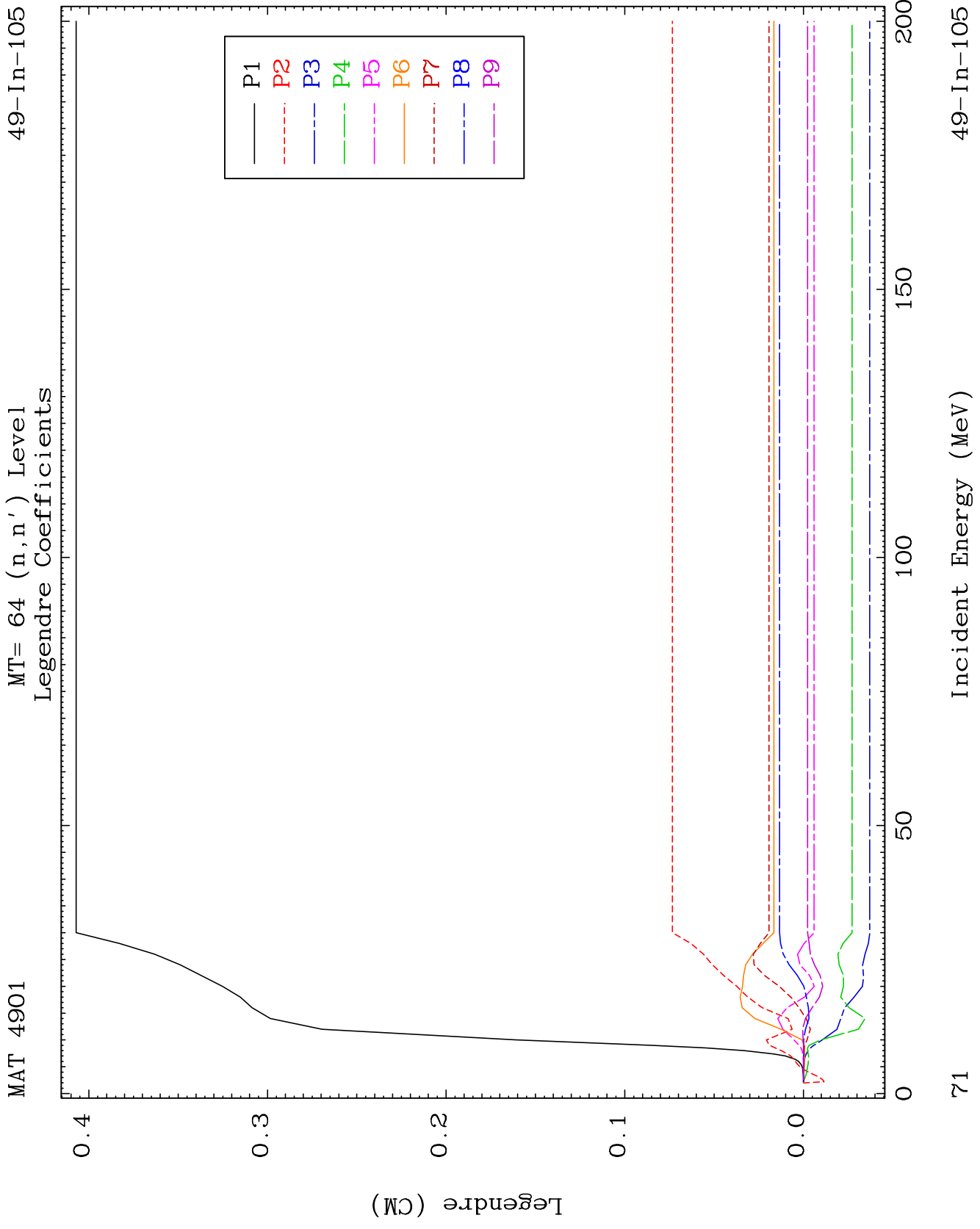
49-In-105



70

Incident Energy (MeV)

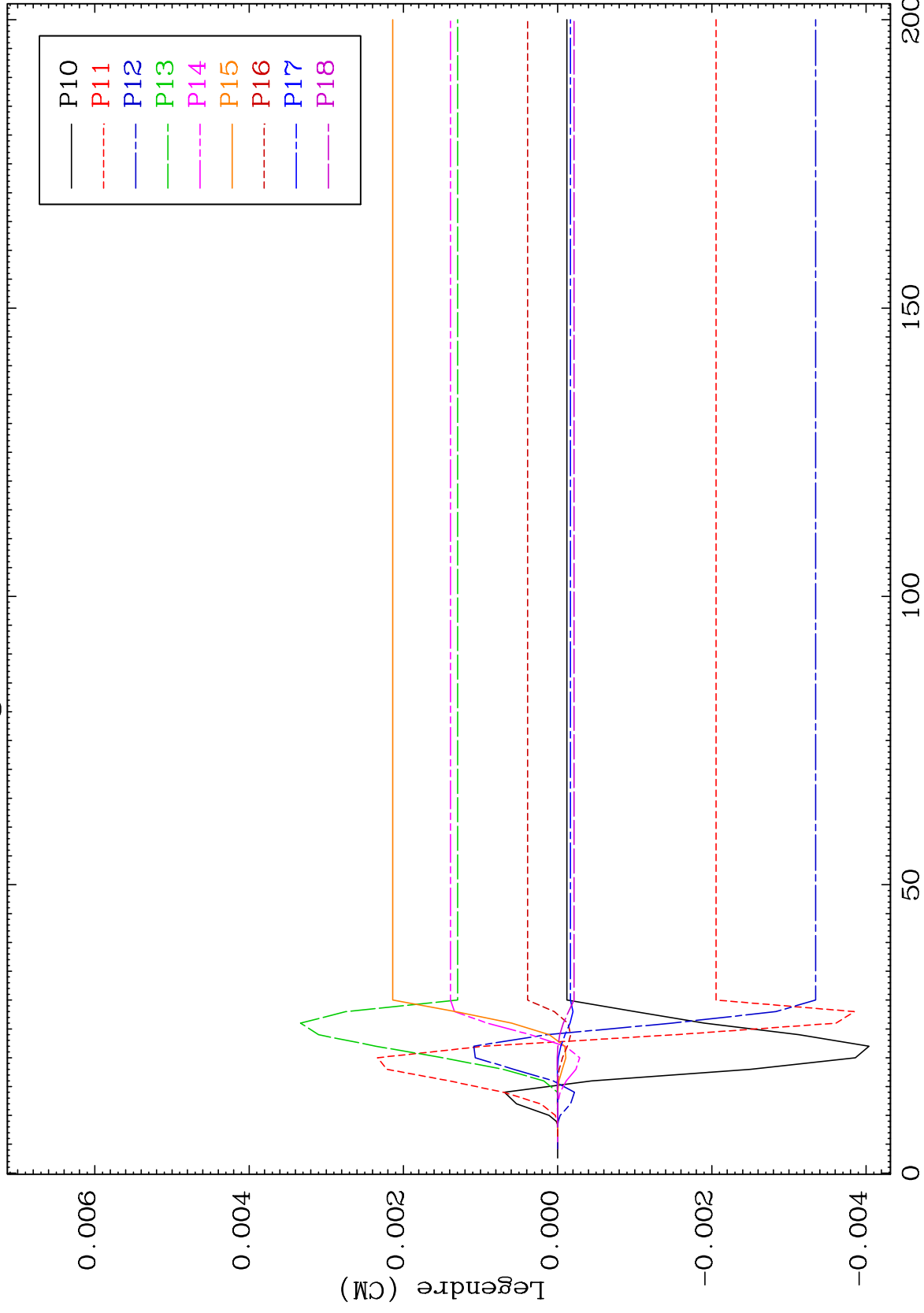
49-In-105



MAT 4901

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

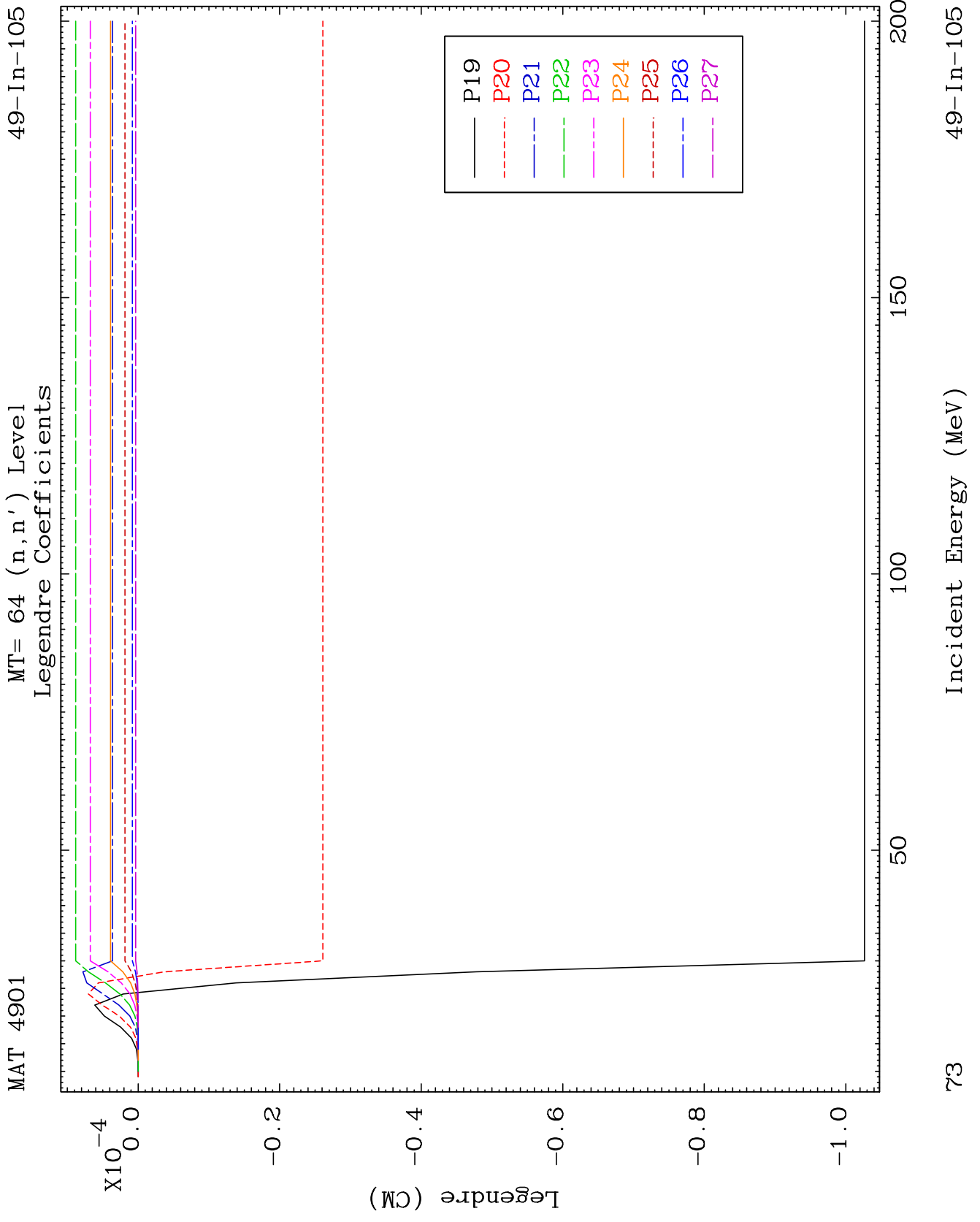
49-In-105



72

Incident Energy (MeV)

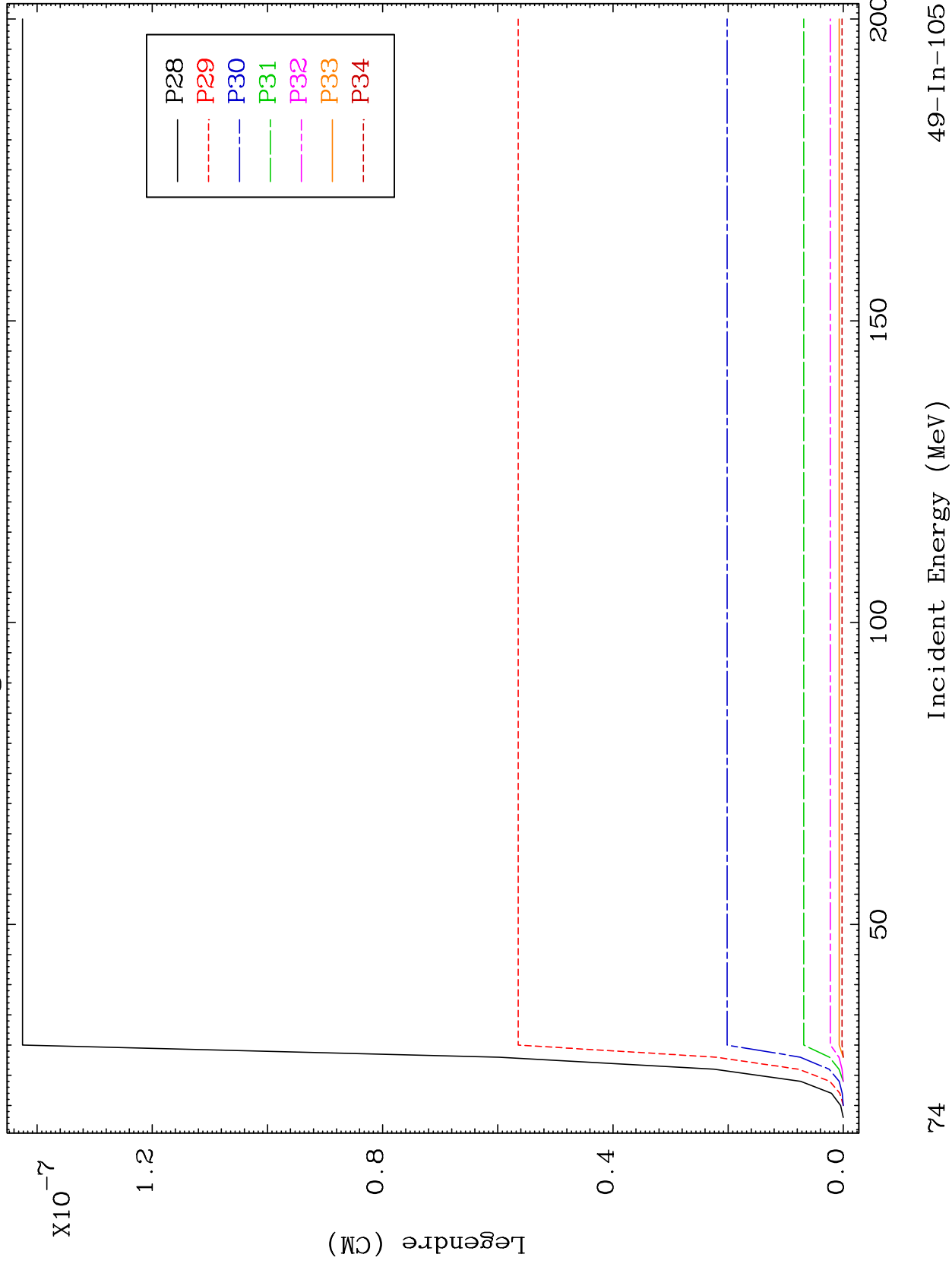
49-In-105

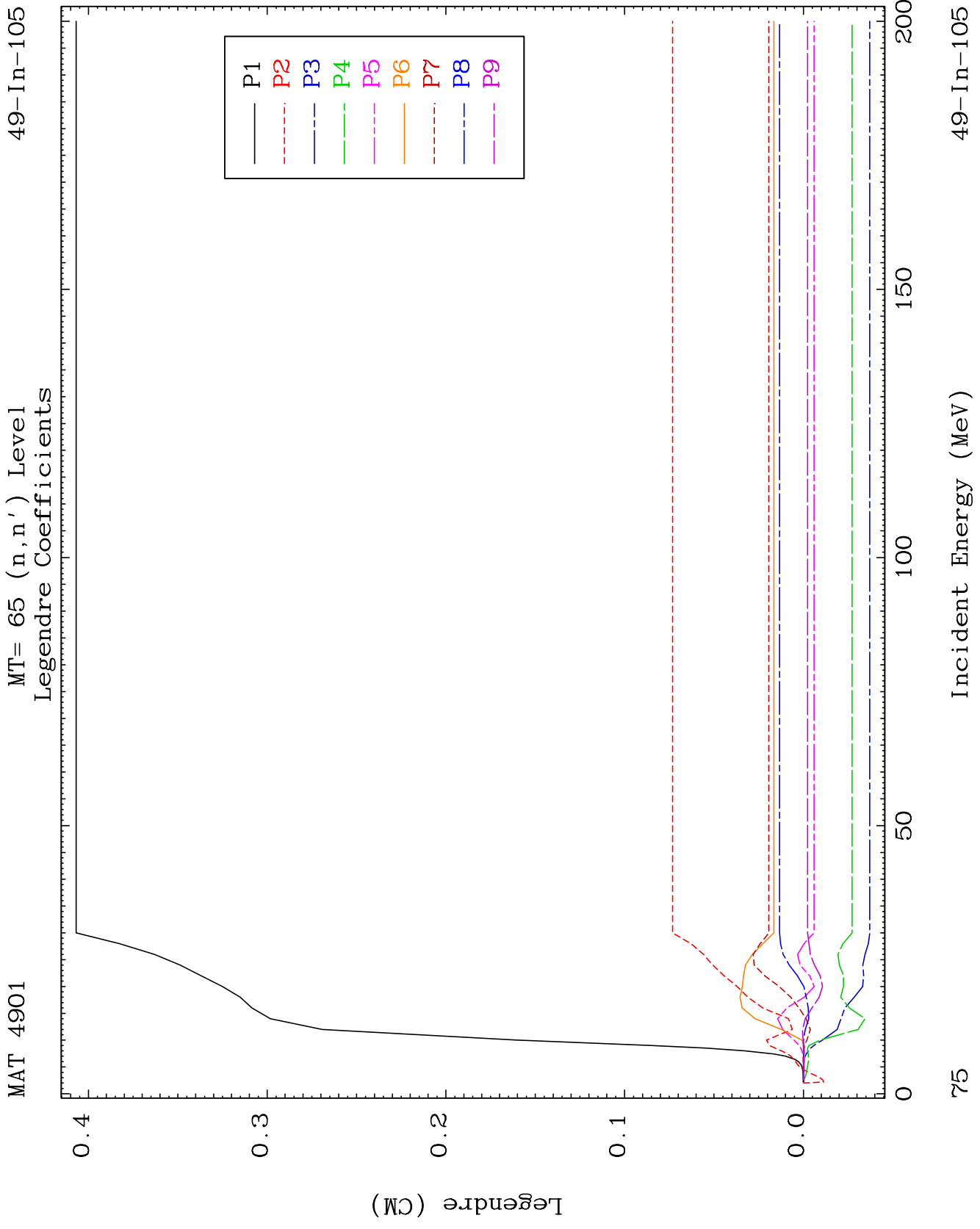


MAT 4901

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

49-In-105

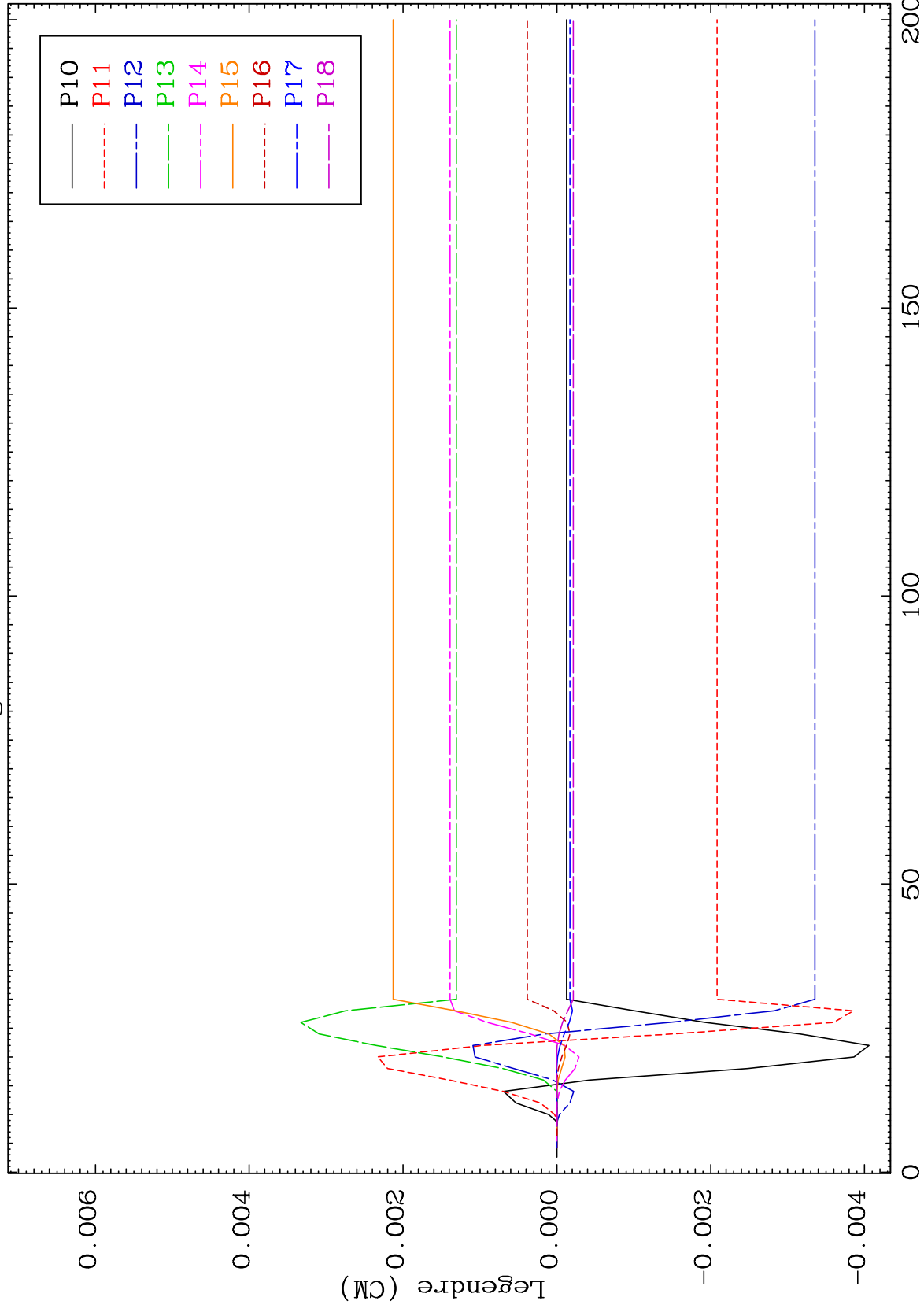




MAT 4901

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

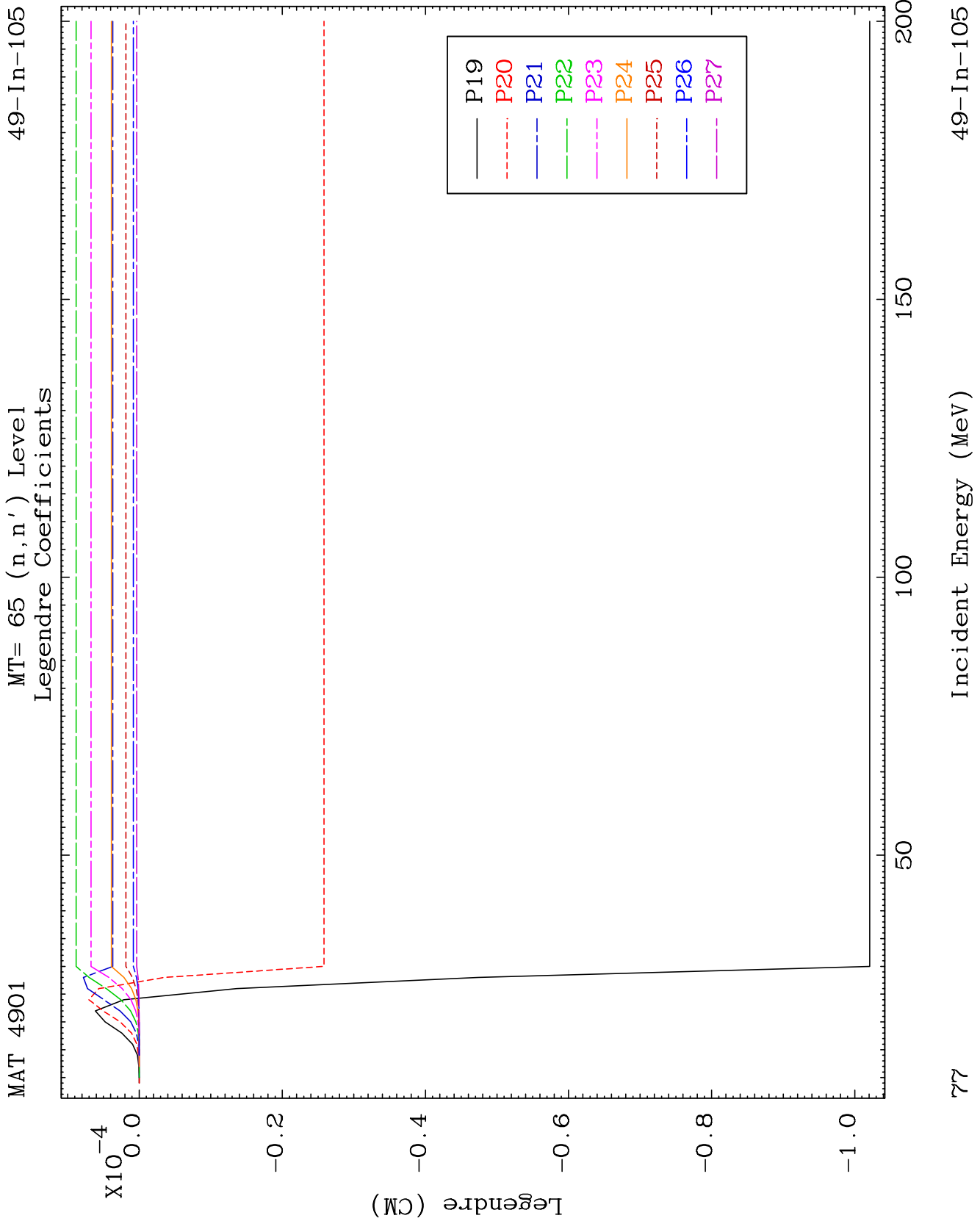
49-In-105



76

Incident Energy (MeV)

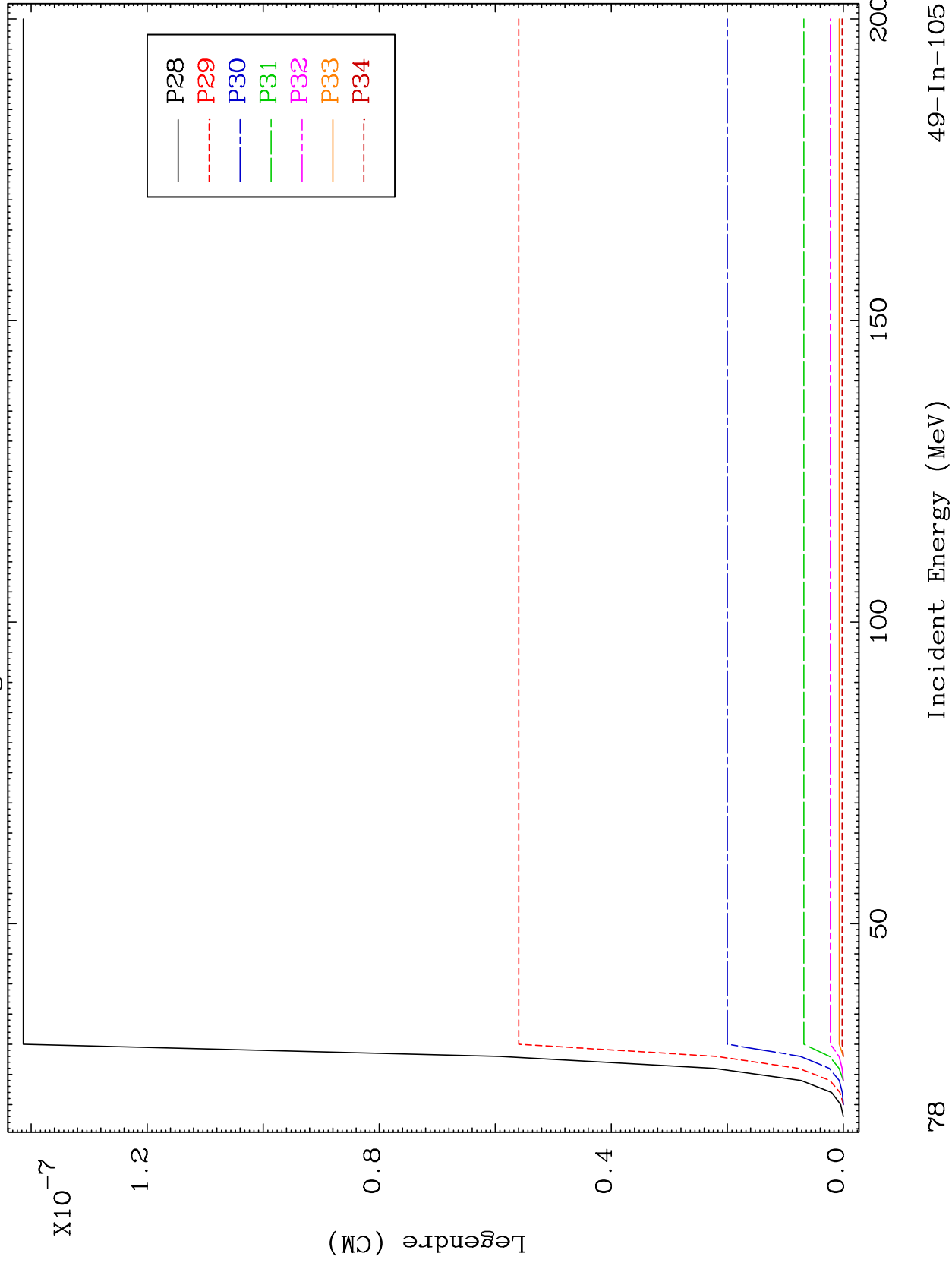
49-In-105



MAT 4901

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

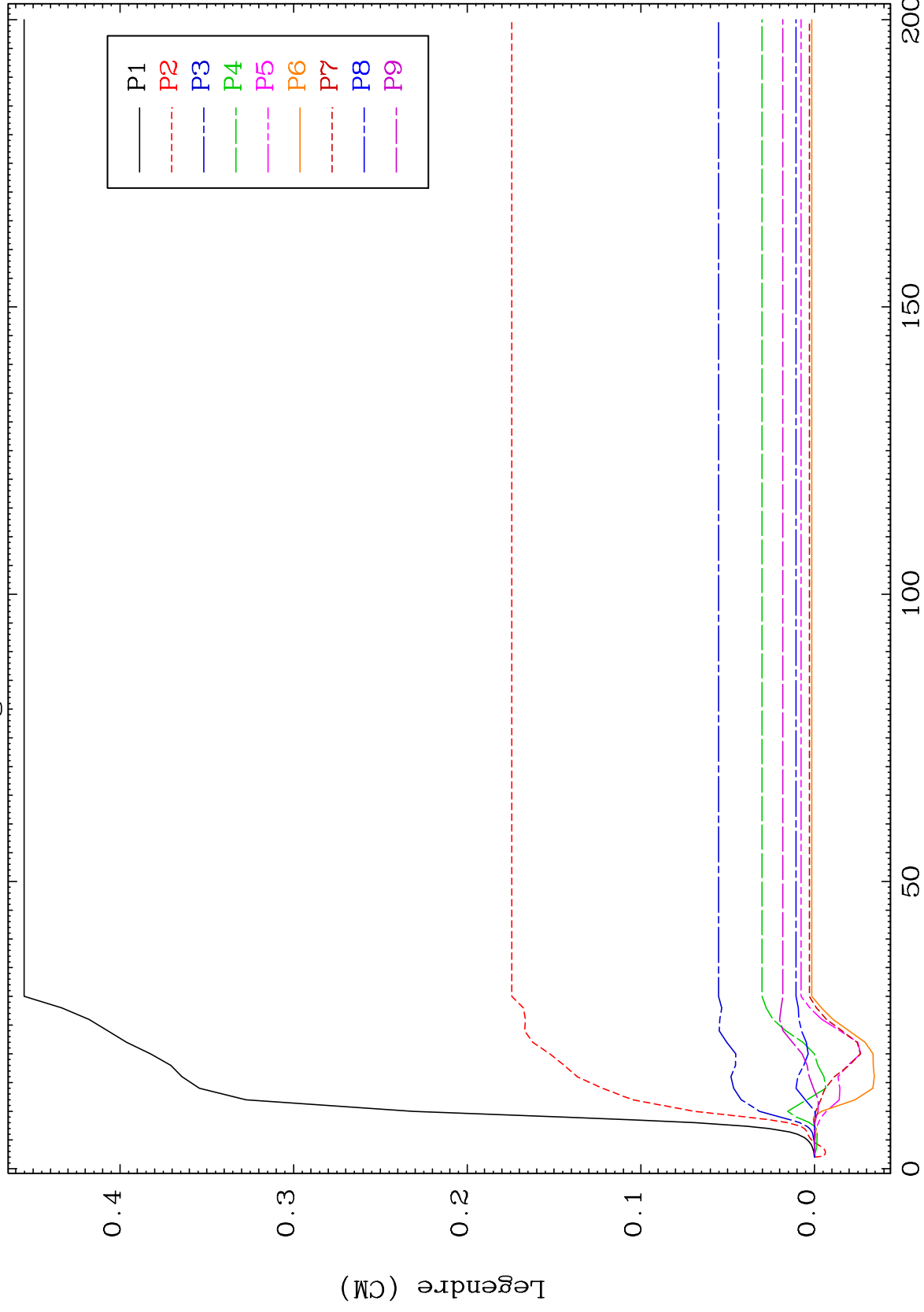
49-In-105



MAT 4901

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

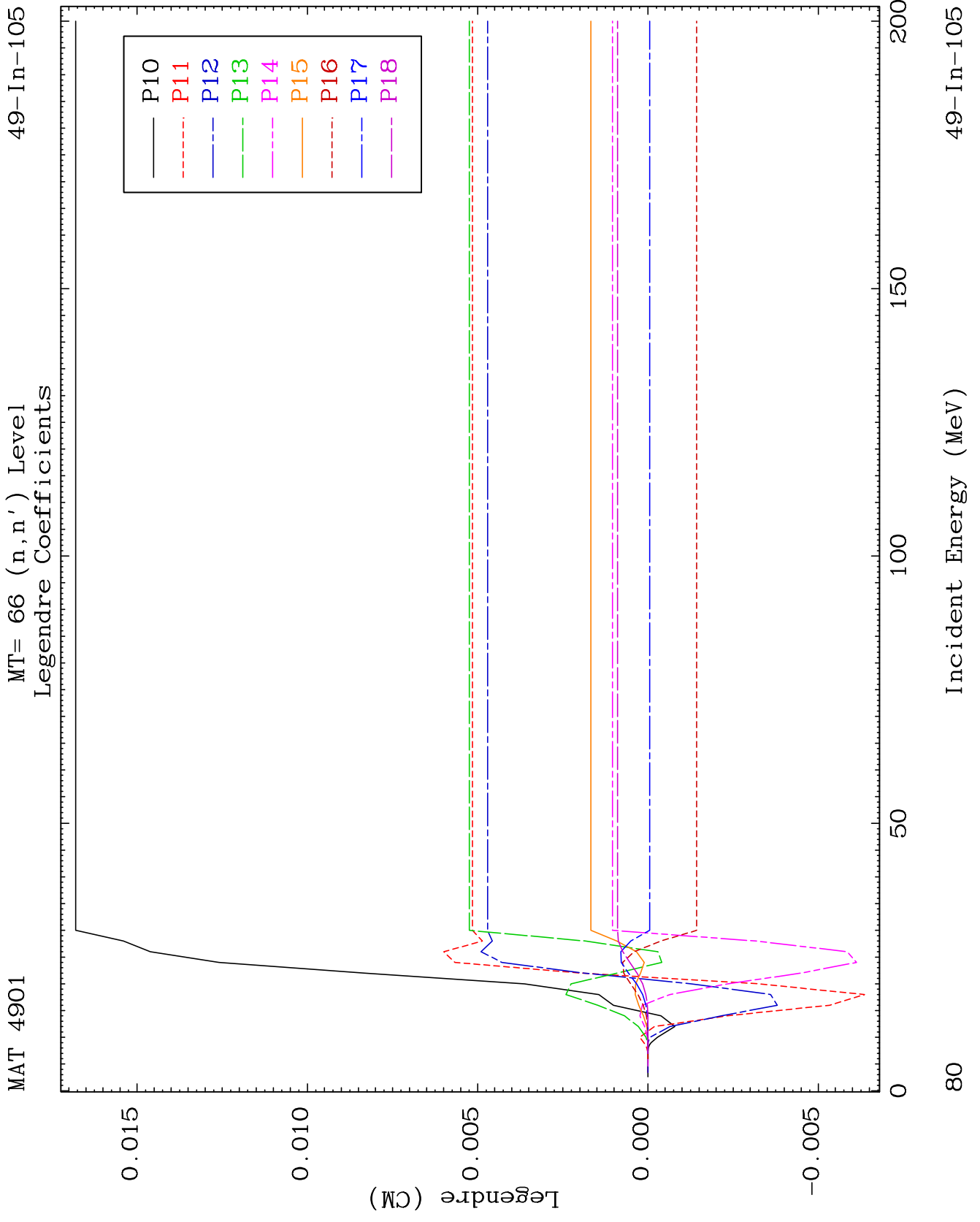
49-In-105



79

Incident Energy (MeV)

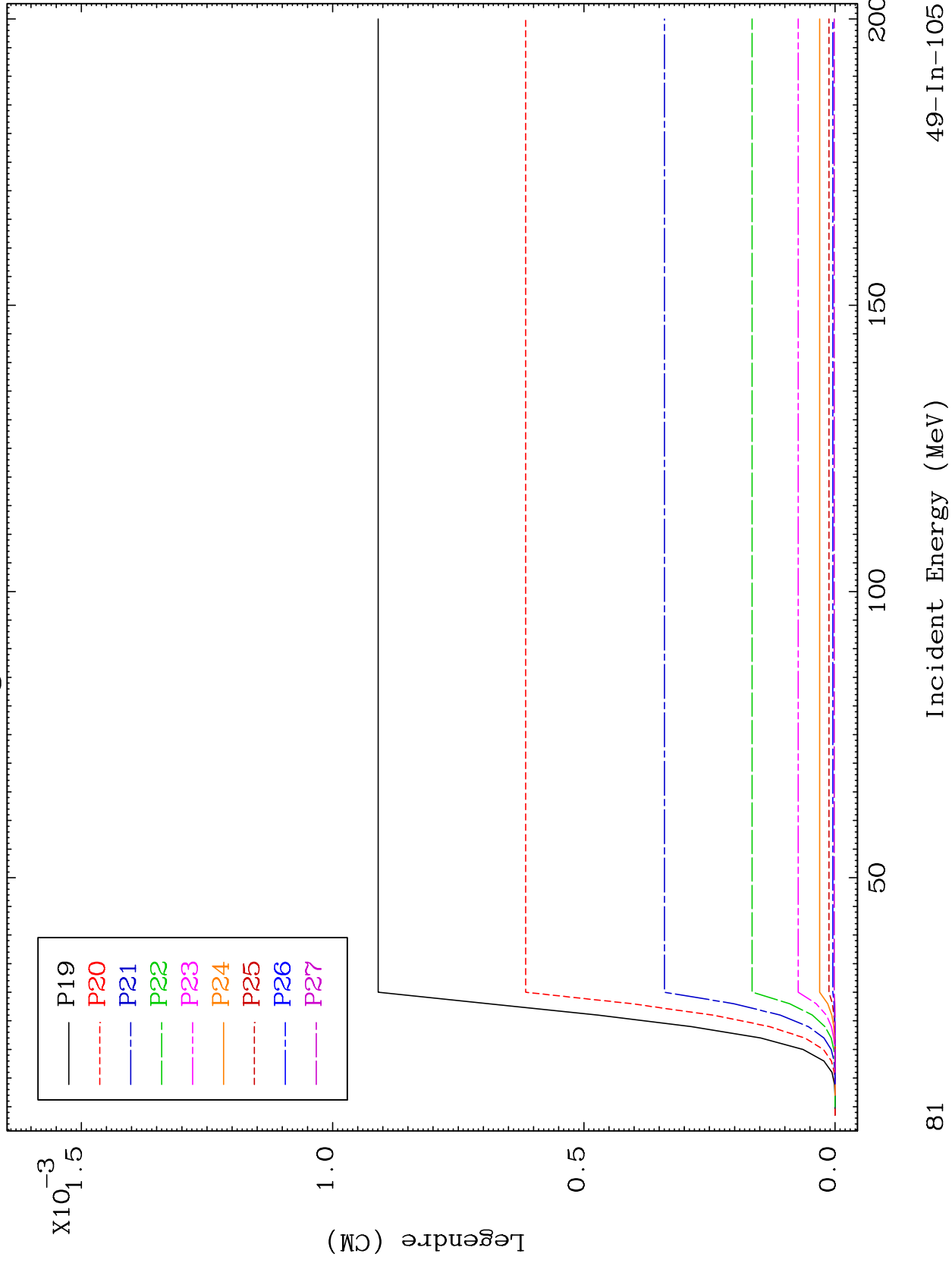
49-In-105

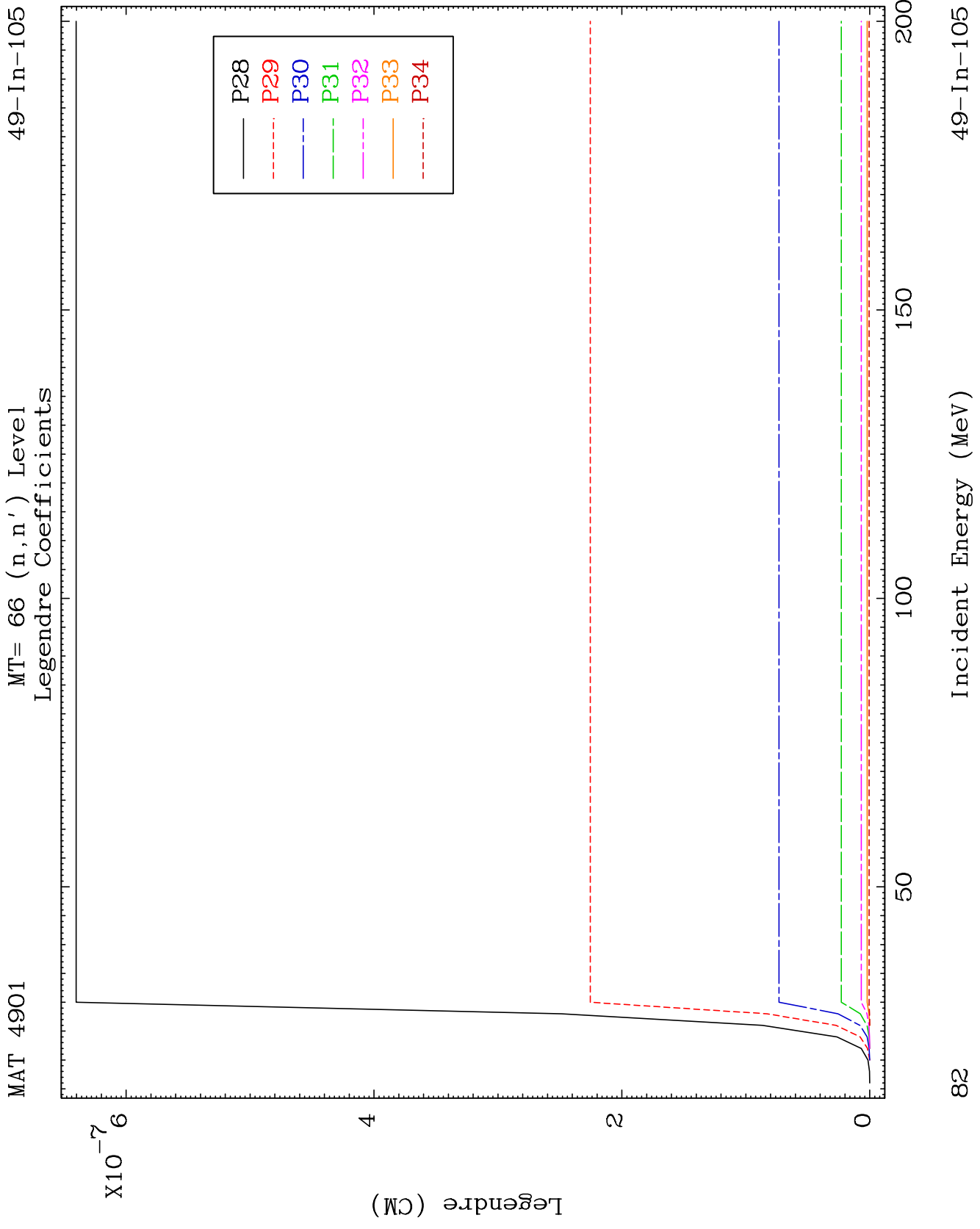


MAT 4901

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

49-In-105

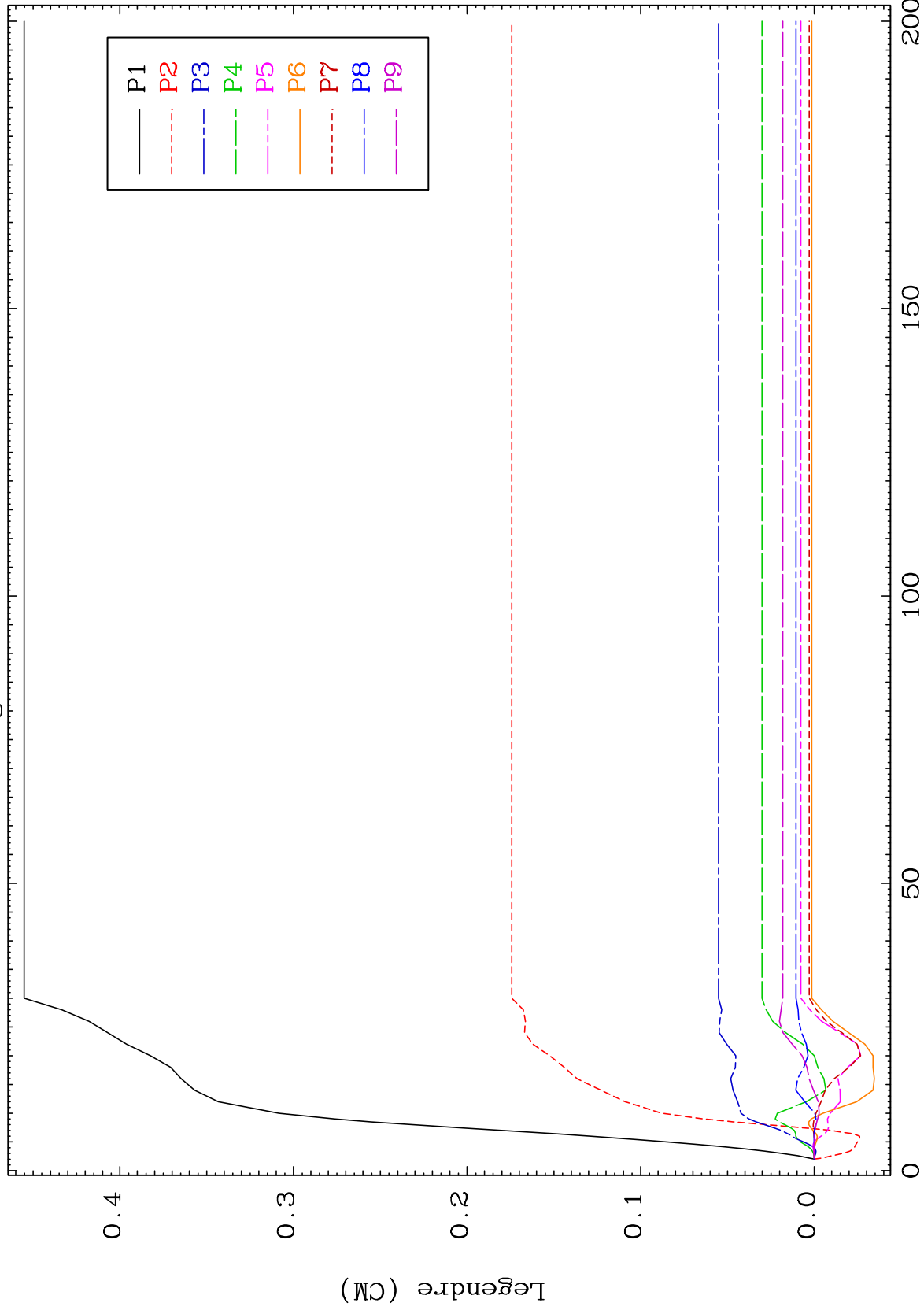




MAT 4901

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

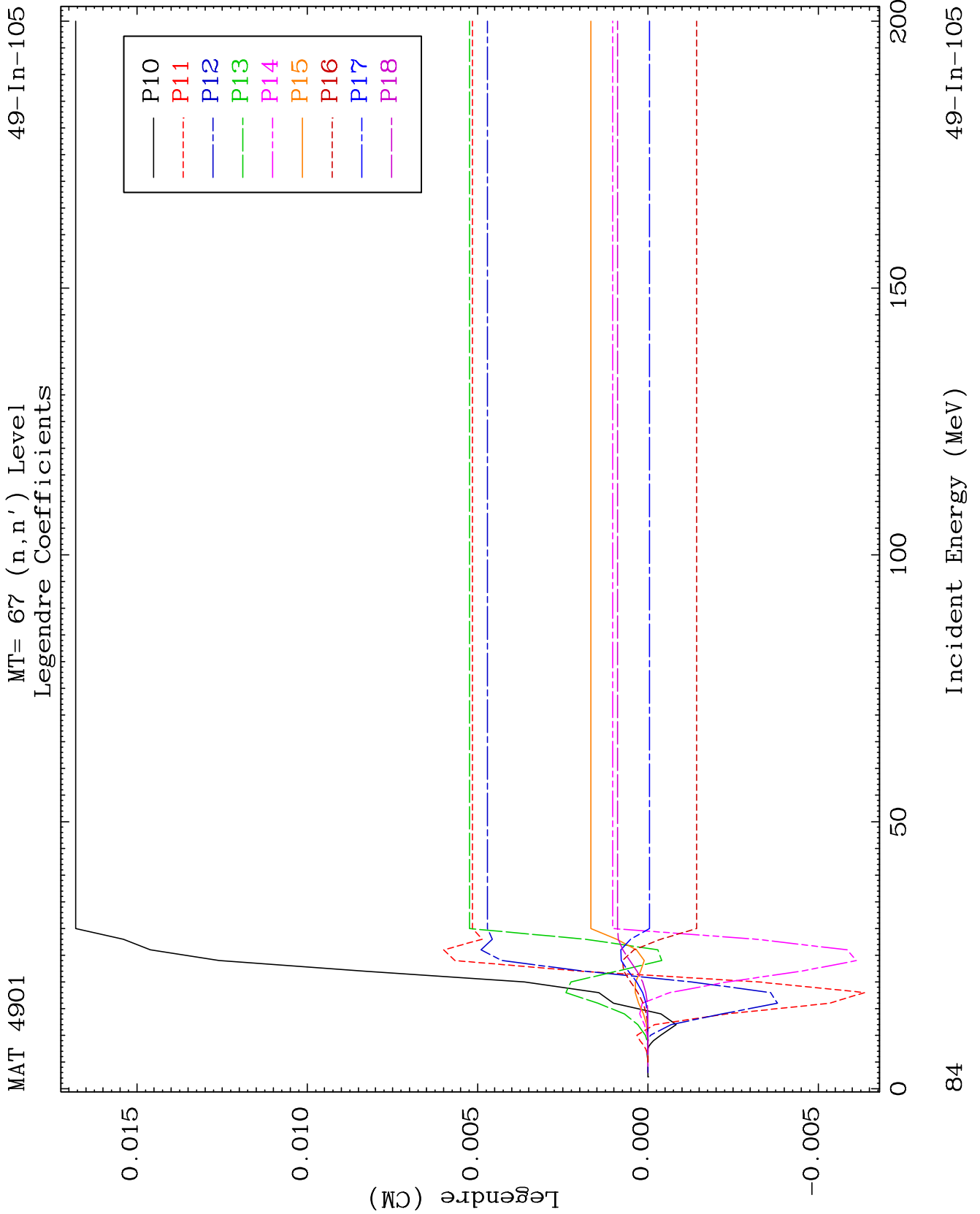
49-In-105



83

Incident Energy (MeV)

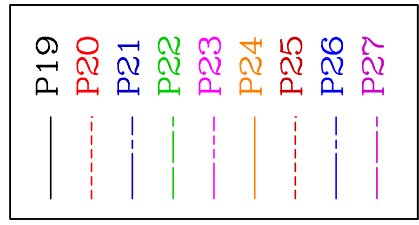
49-In-105



MAT 4901

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

49-In-105



$\times 10^{-3}$
1.5

Legendre (CM)

1.0

0.5

0.0

50

100

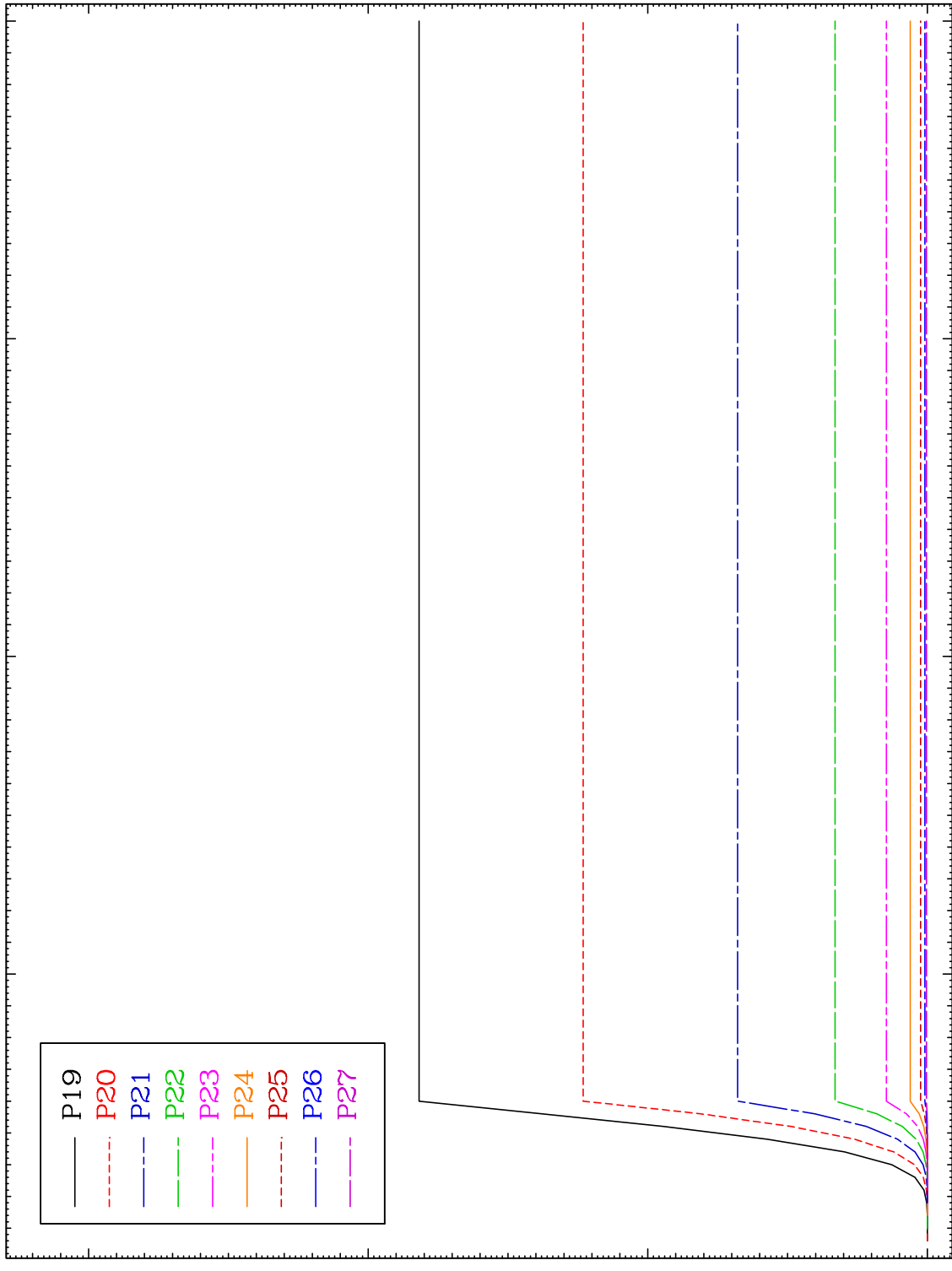
150

200

85

Incident Energy (MeV)

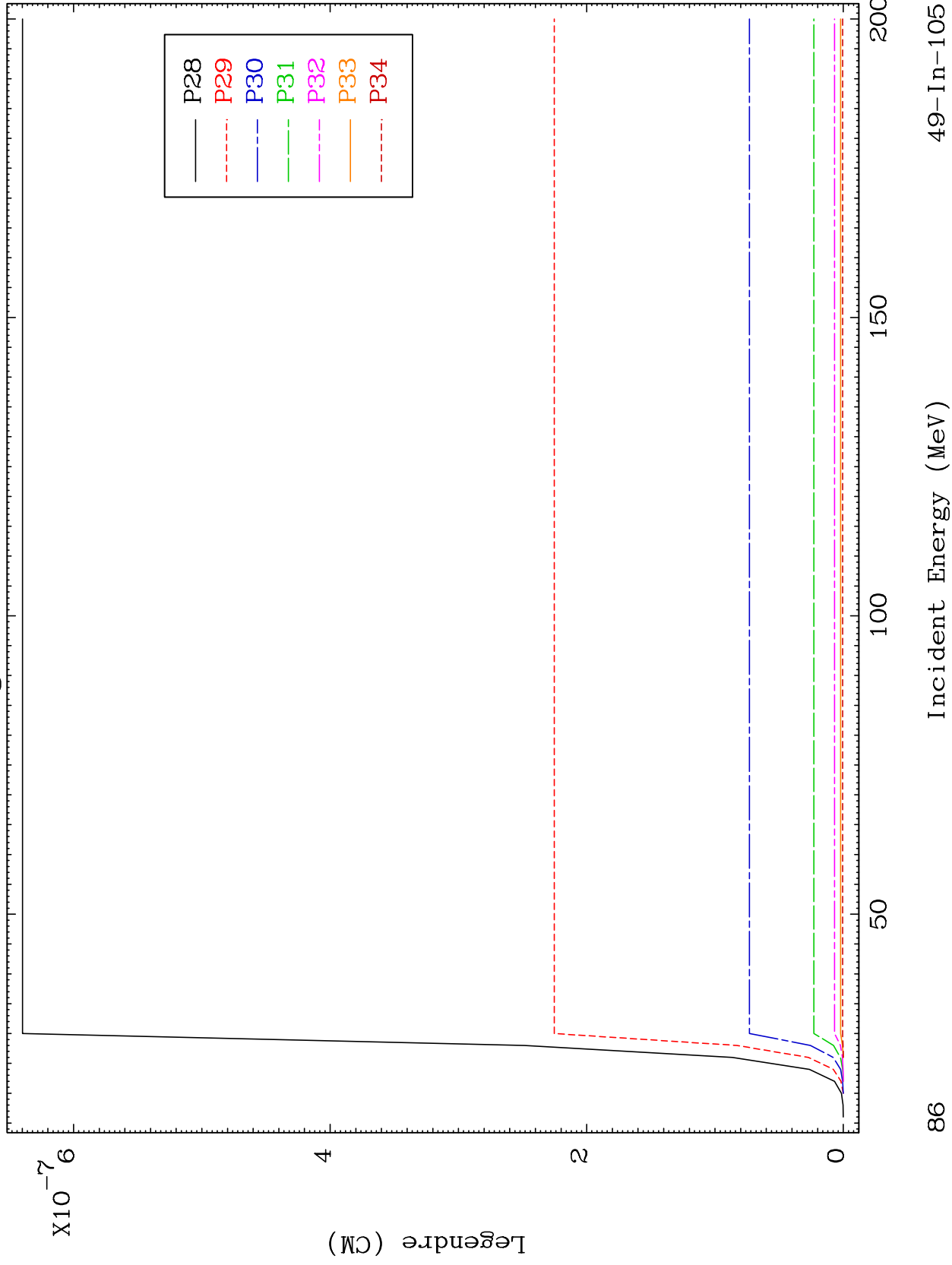
49-In-105

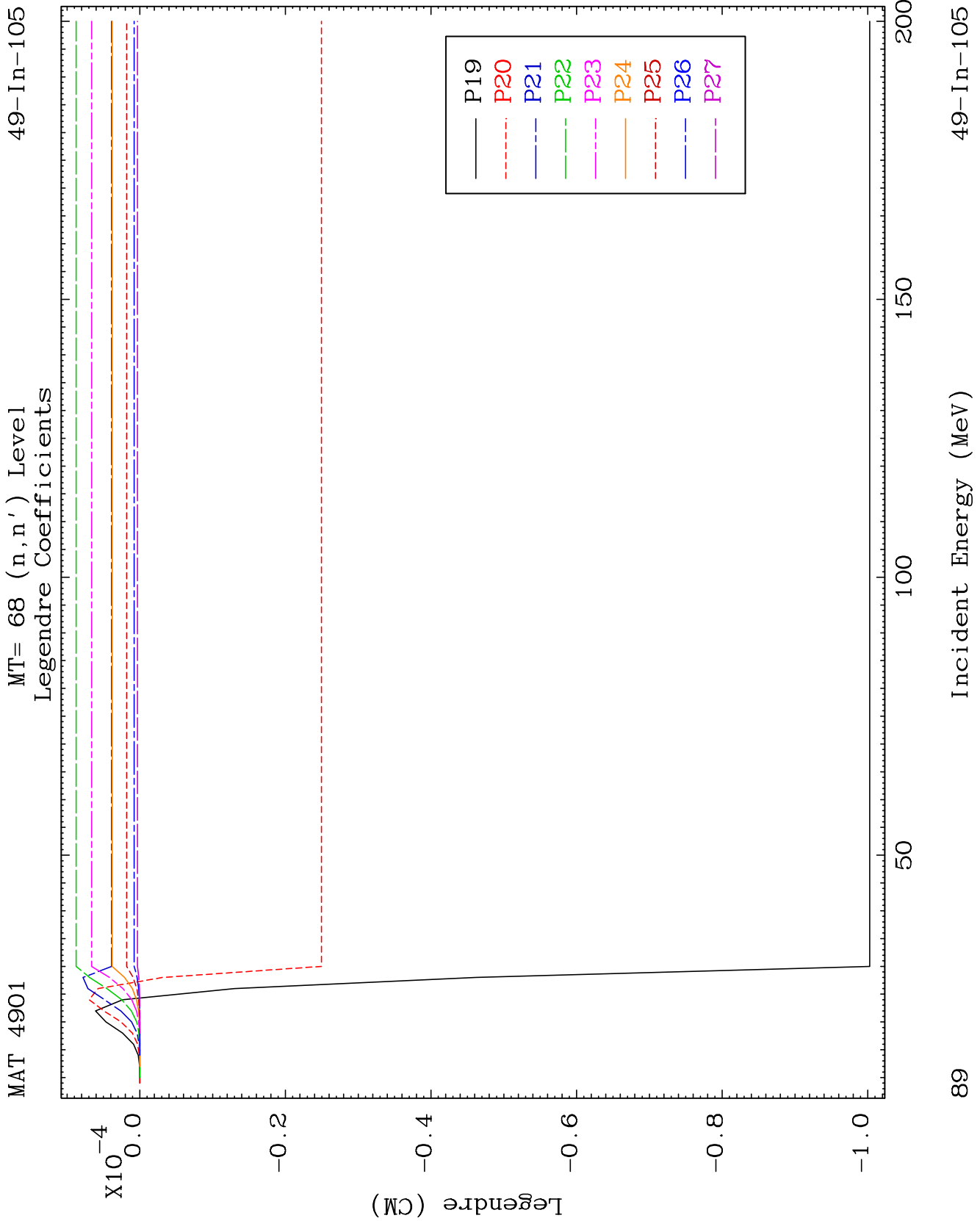


MAT 4901

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

49-In-105

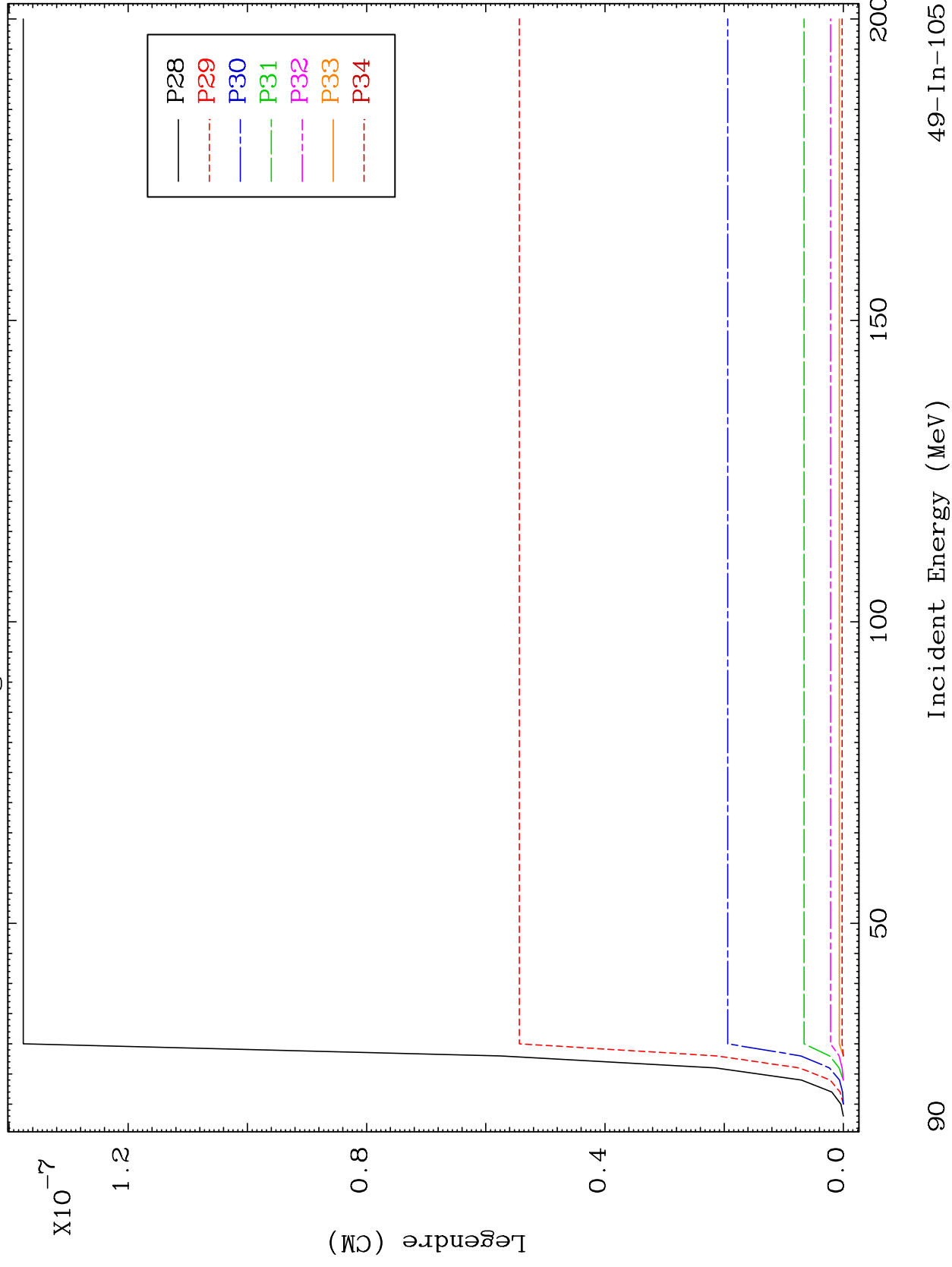




MAT 4901

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

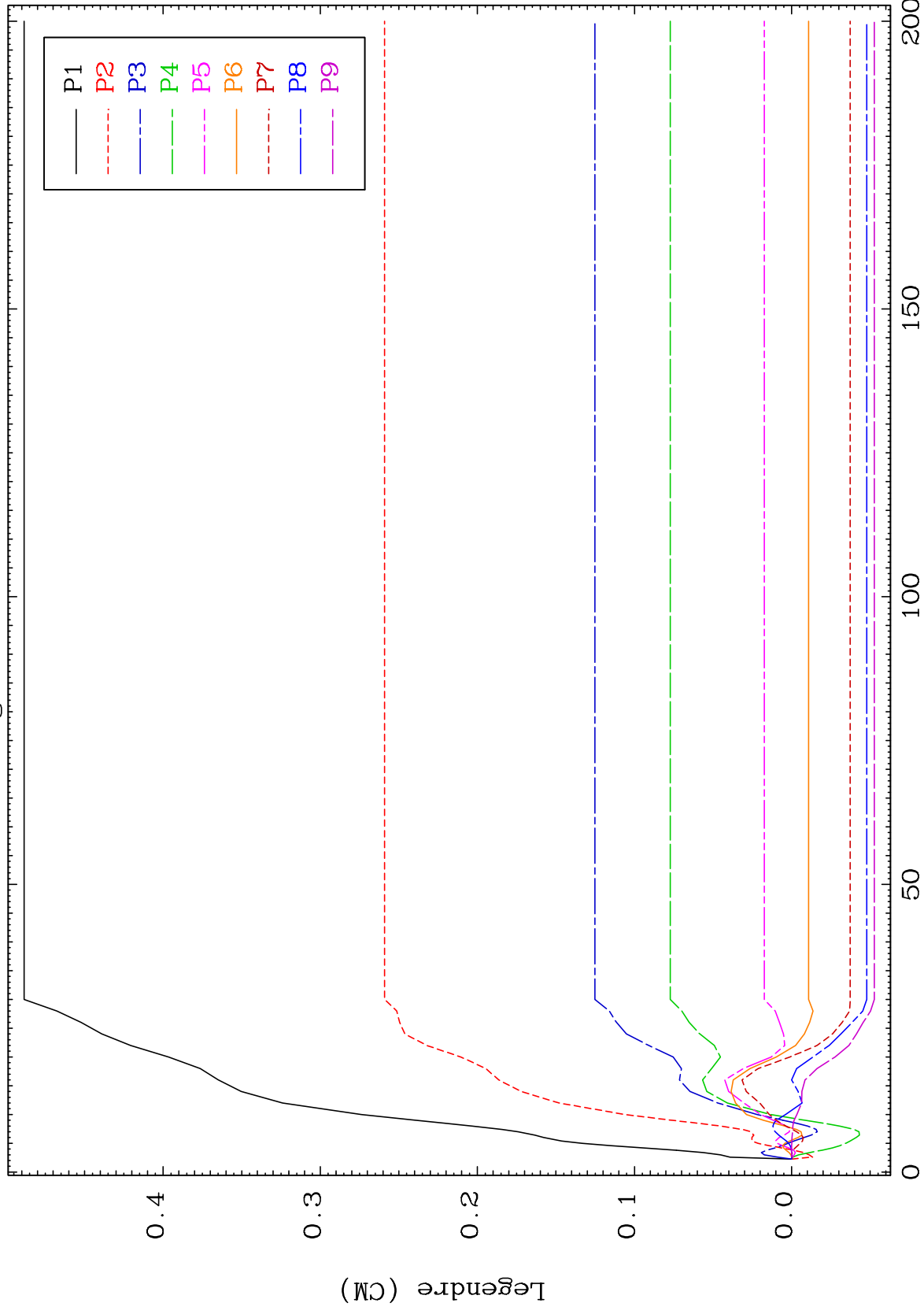
49-In-105



MAT 4901

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

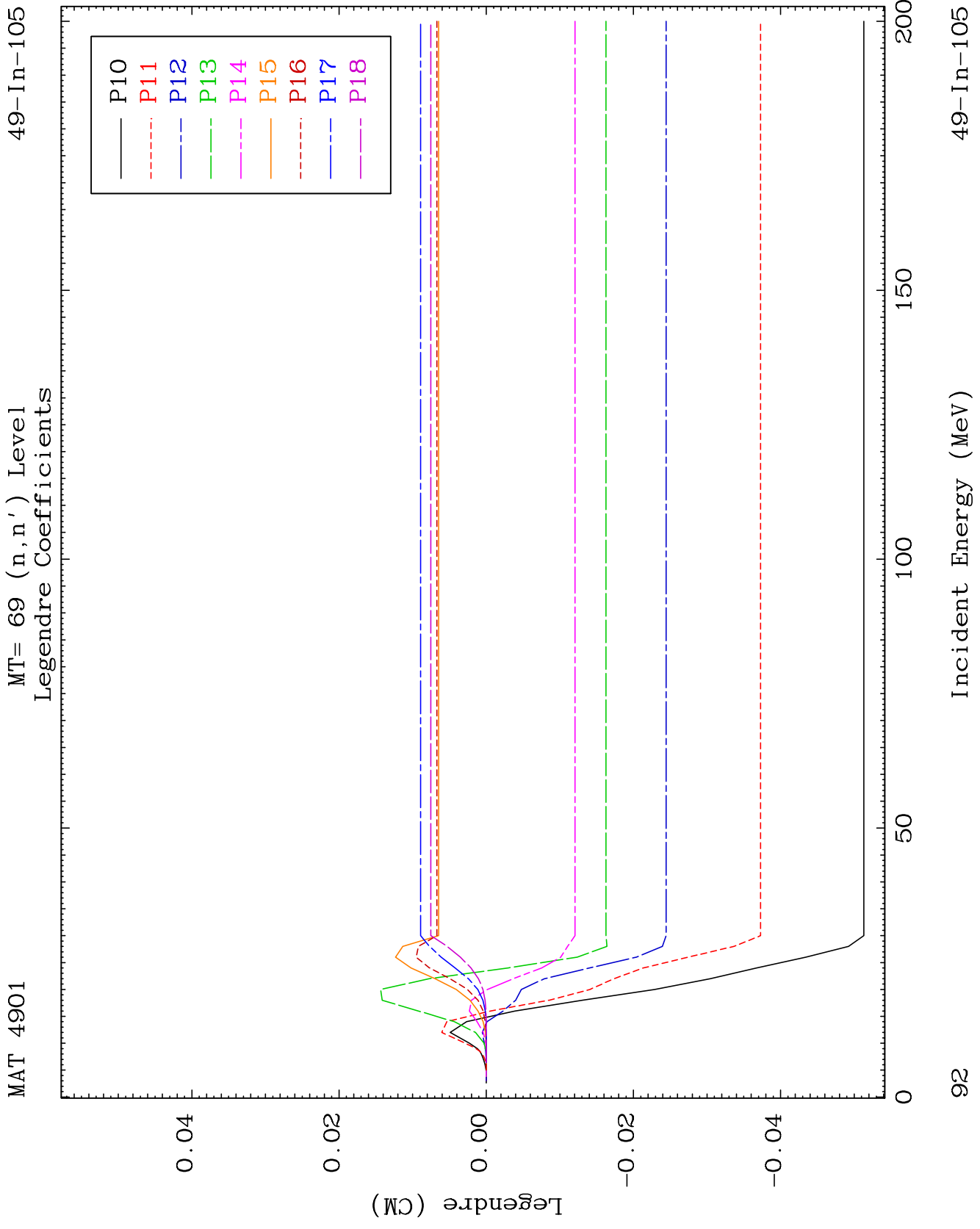
49-In-105

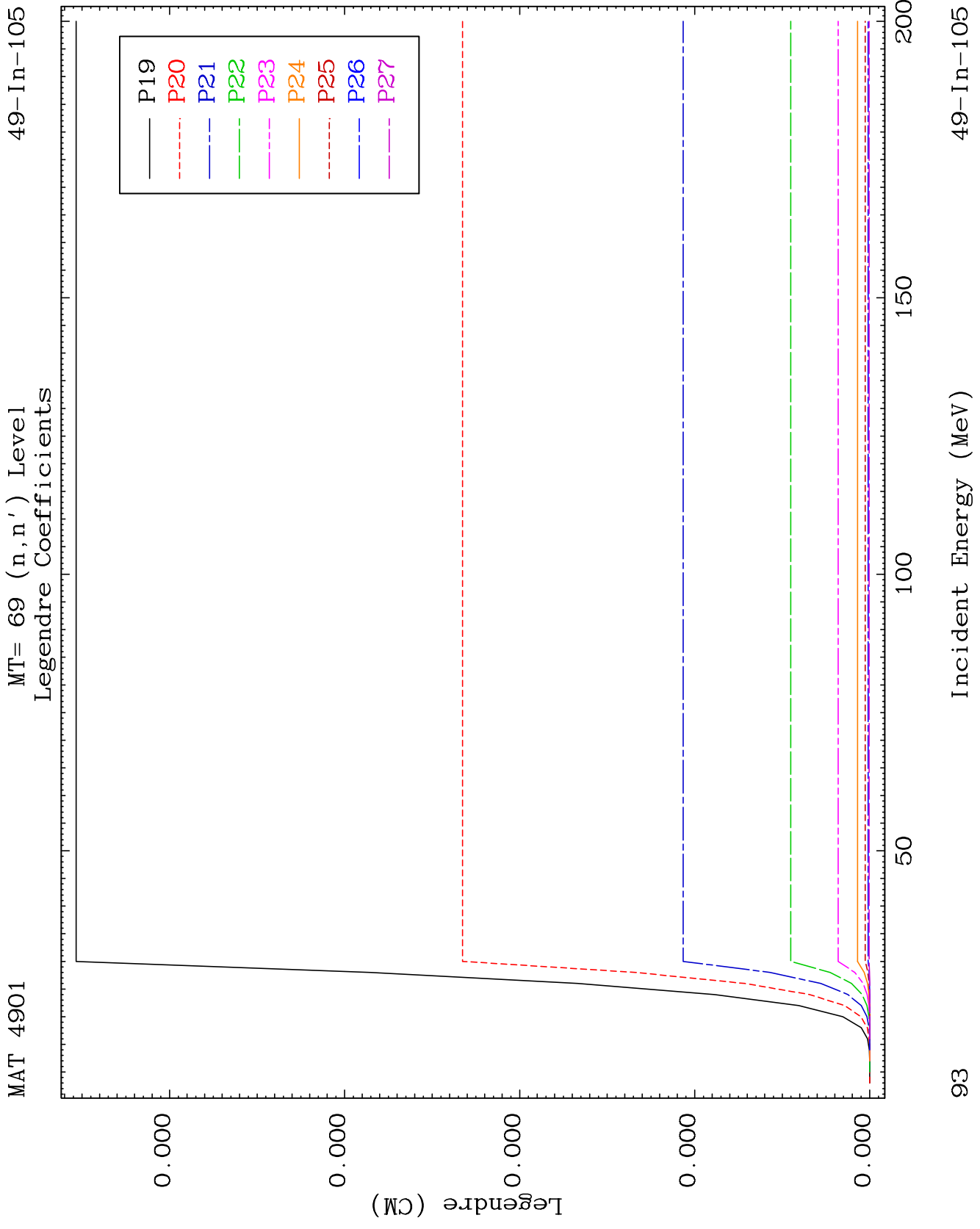


91

Incident Energy (MeV)

49-In-105

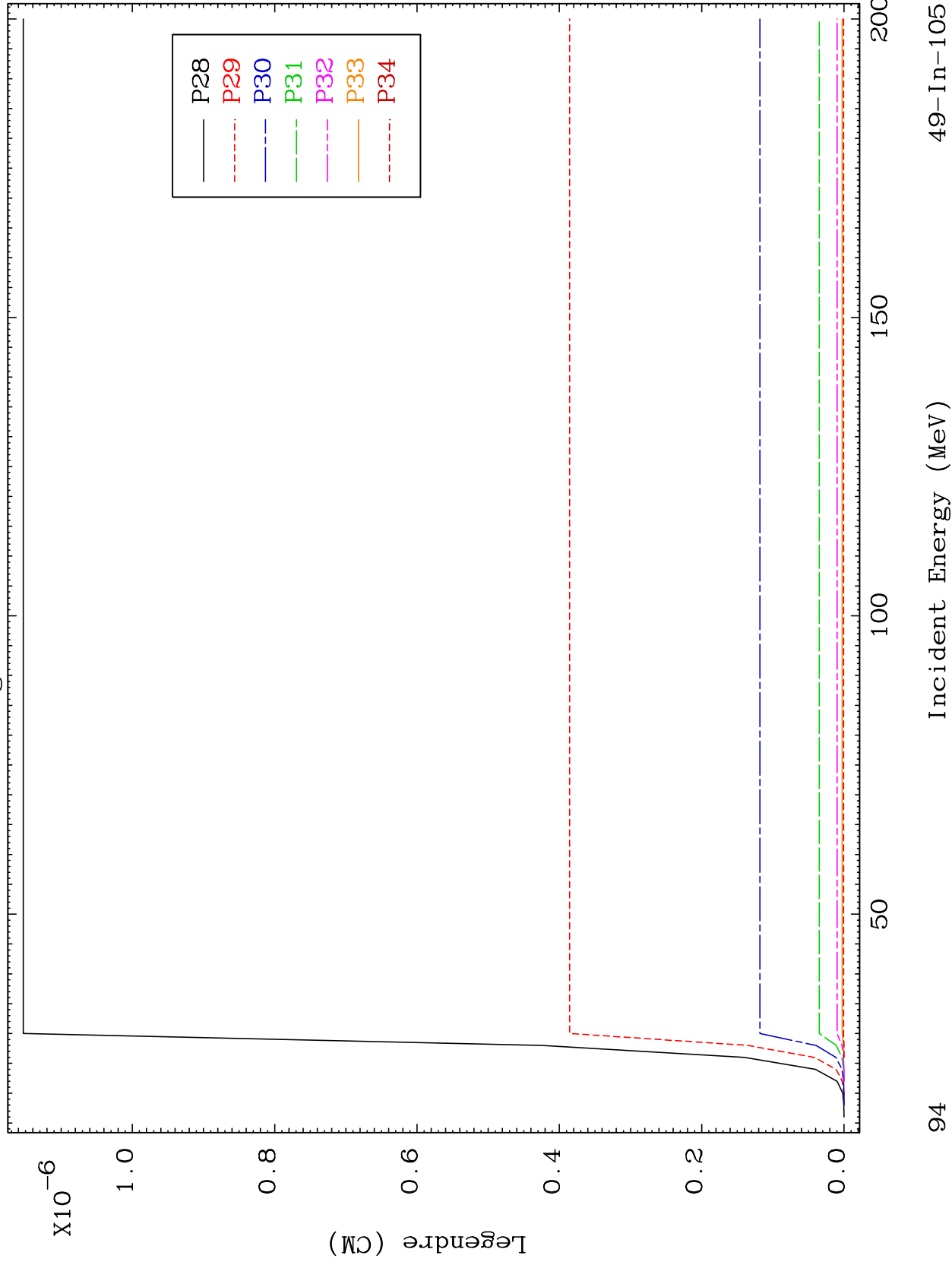




MAT 4901

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

49-In-105



94

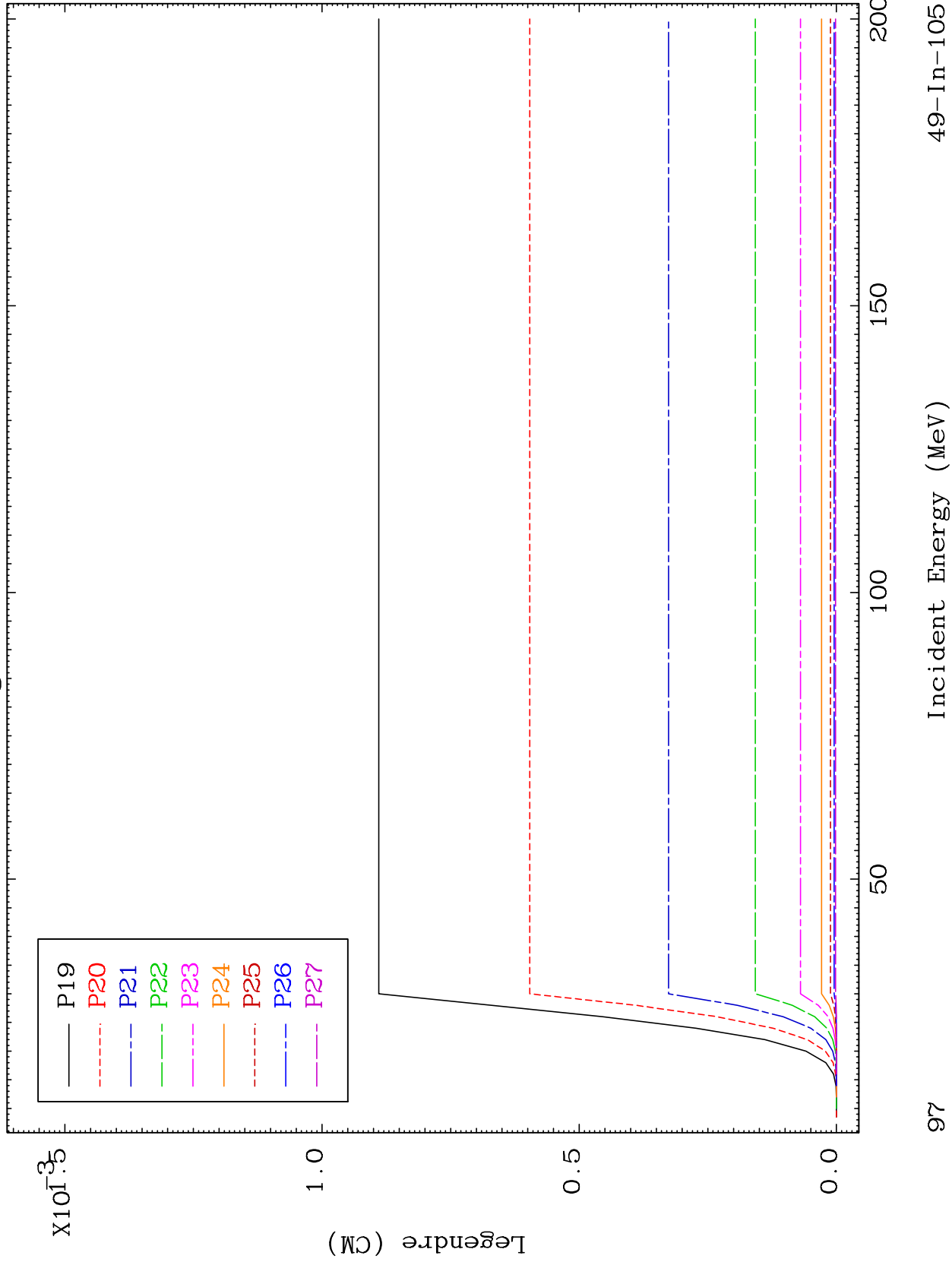
Incident Energy (MeV)

49-In-105

MAT 4901

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

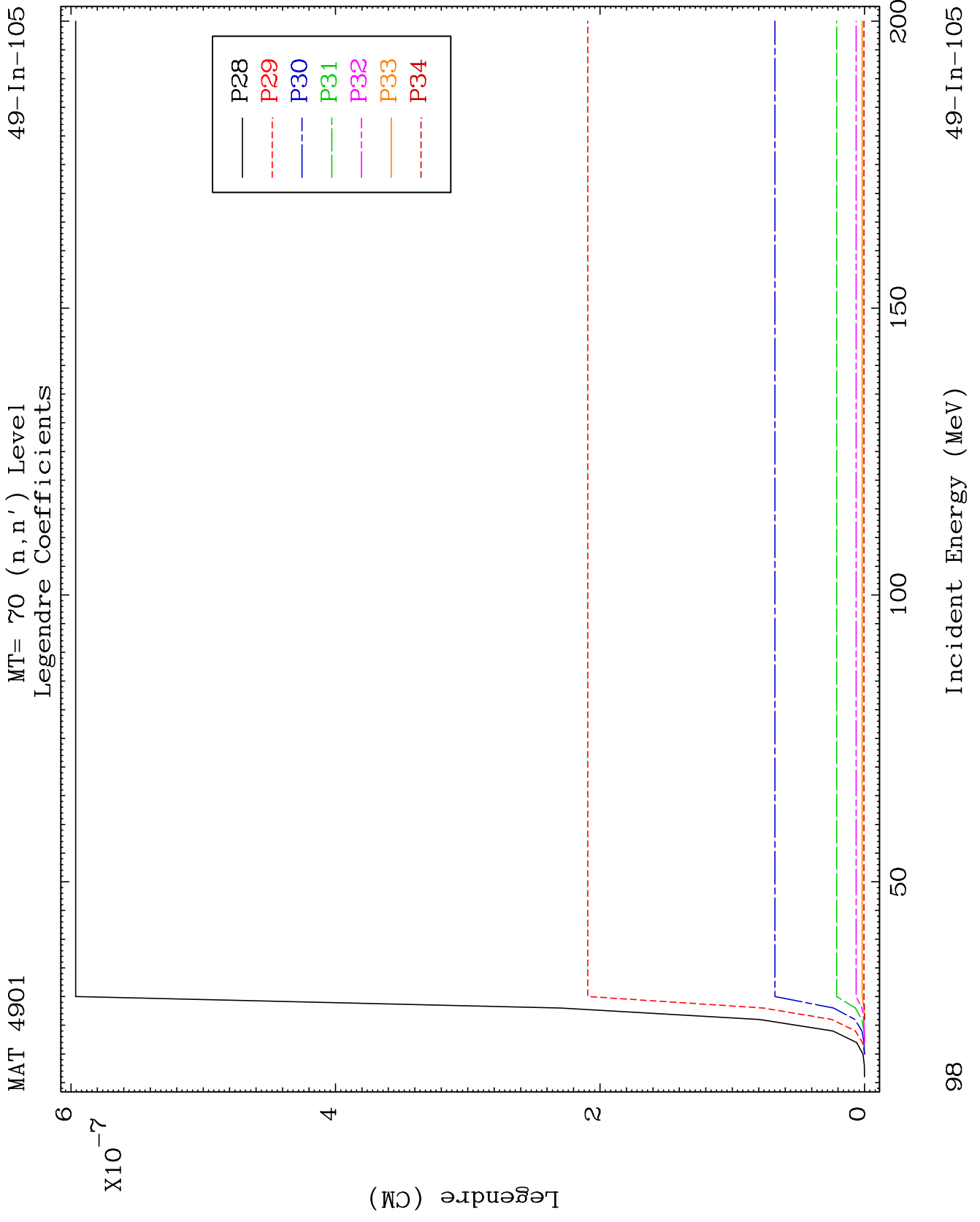
49-In-105

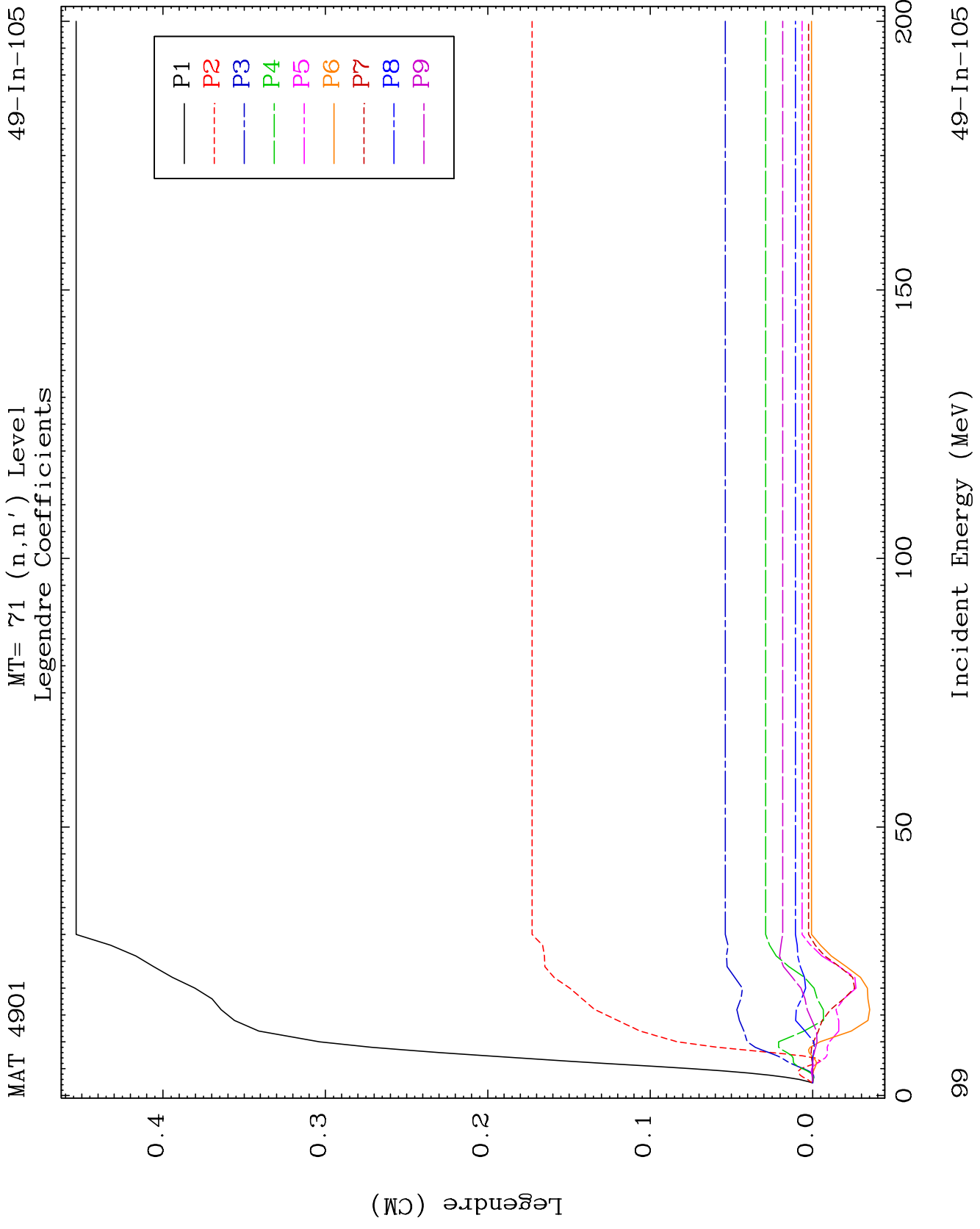


97

Incident Energy (MeV)

49-In-105

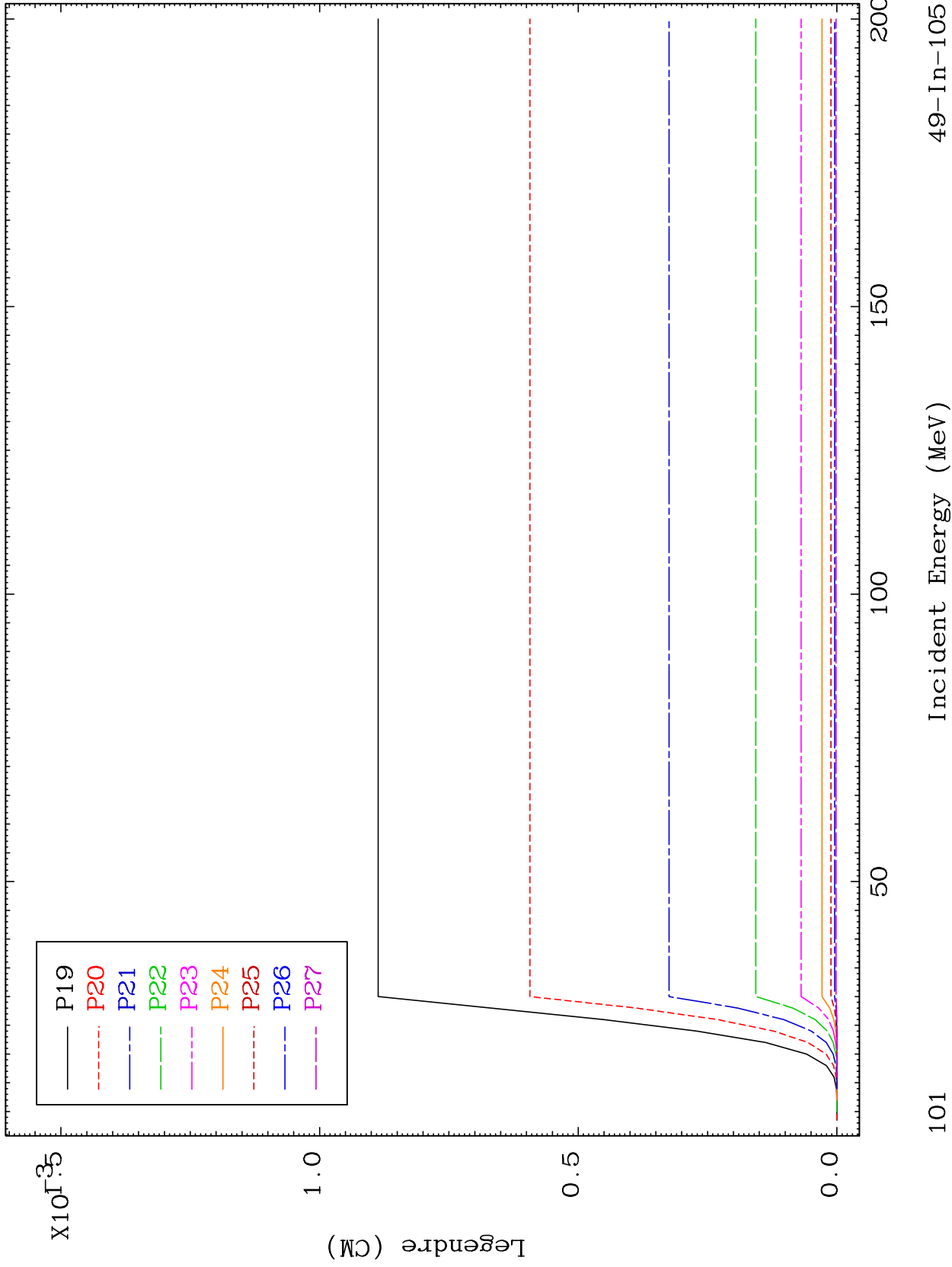


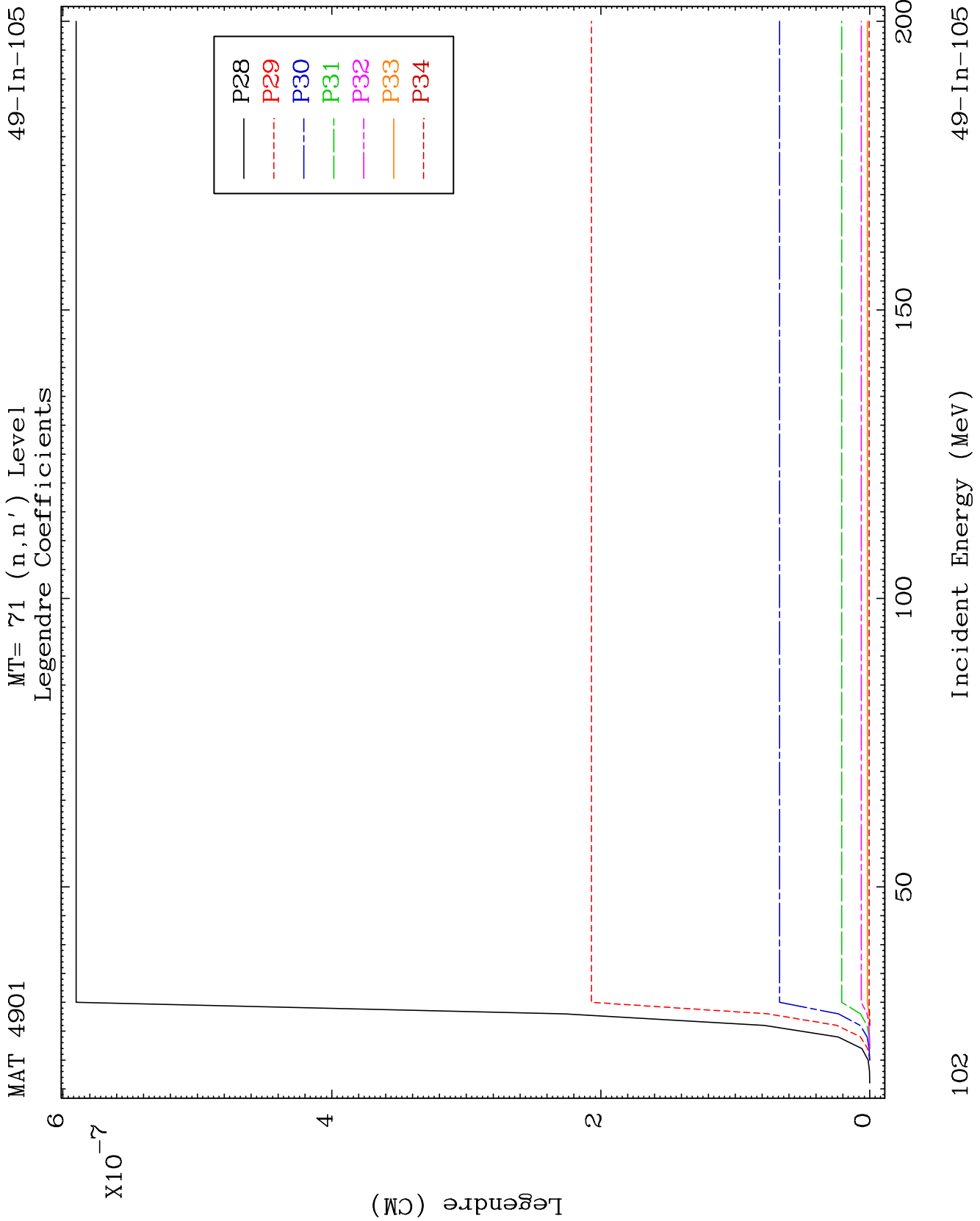


MAT 4901

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

49-In-105

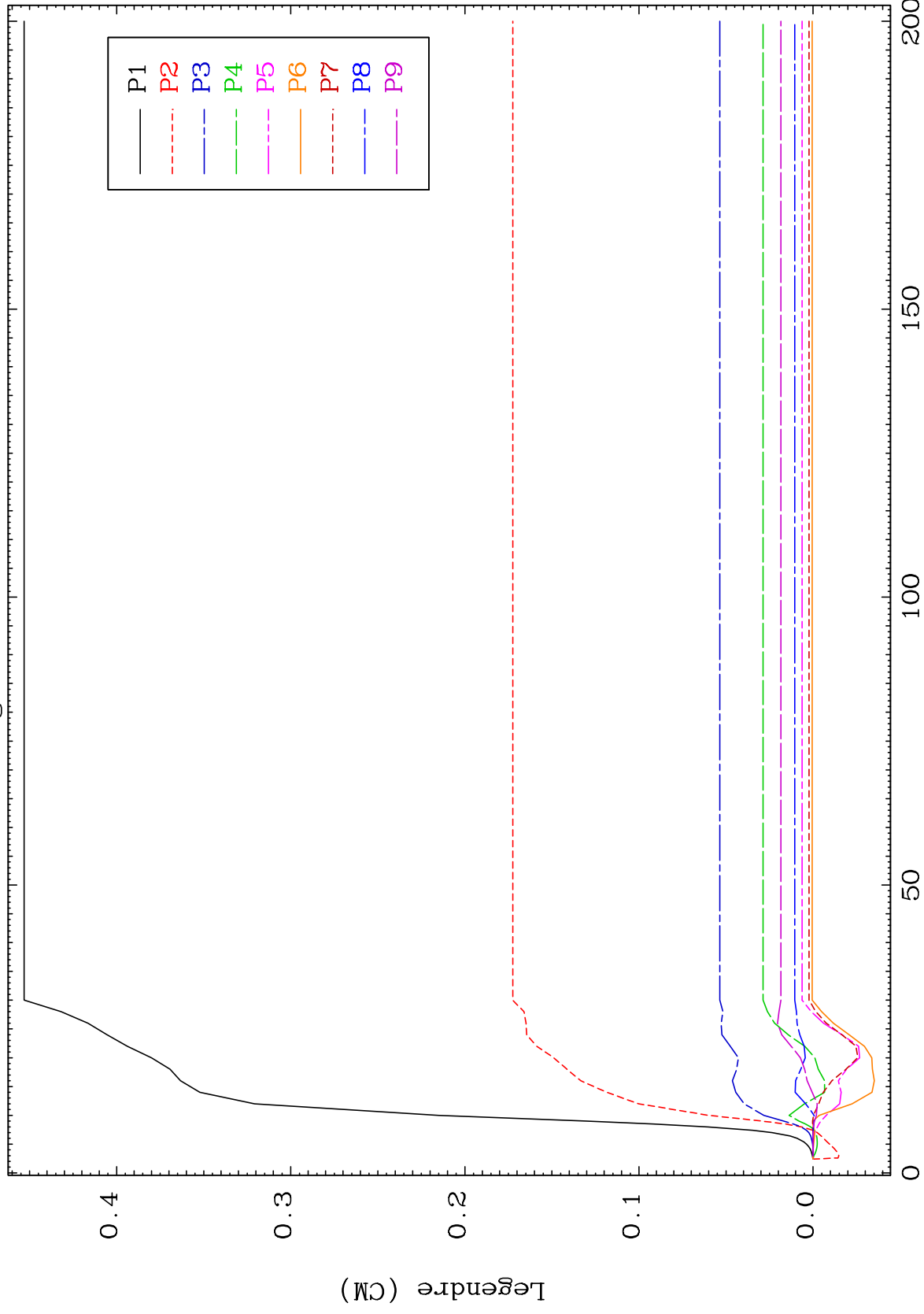




MAT 4901

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

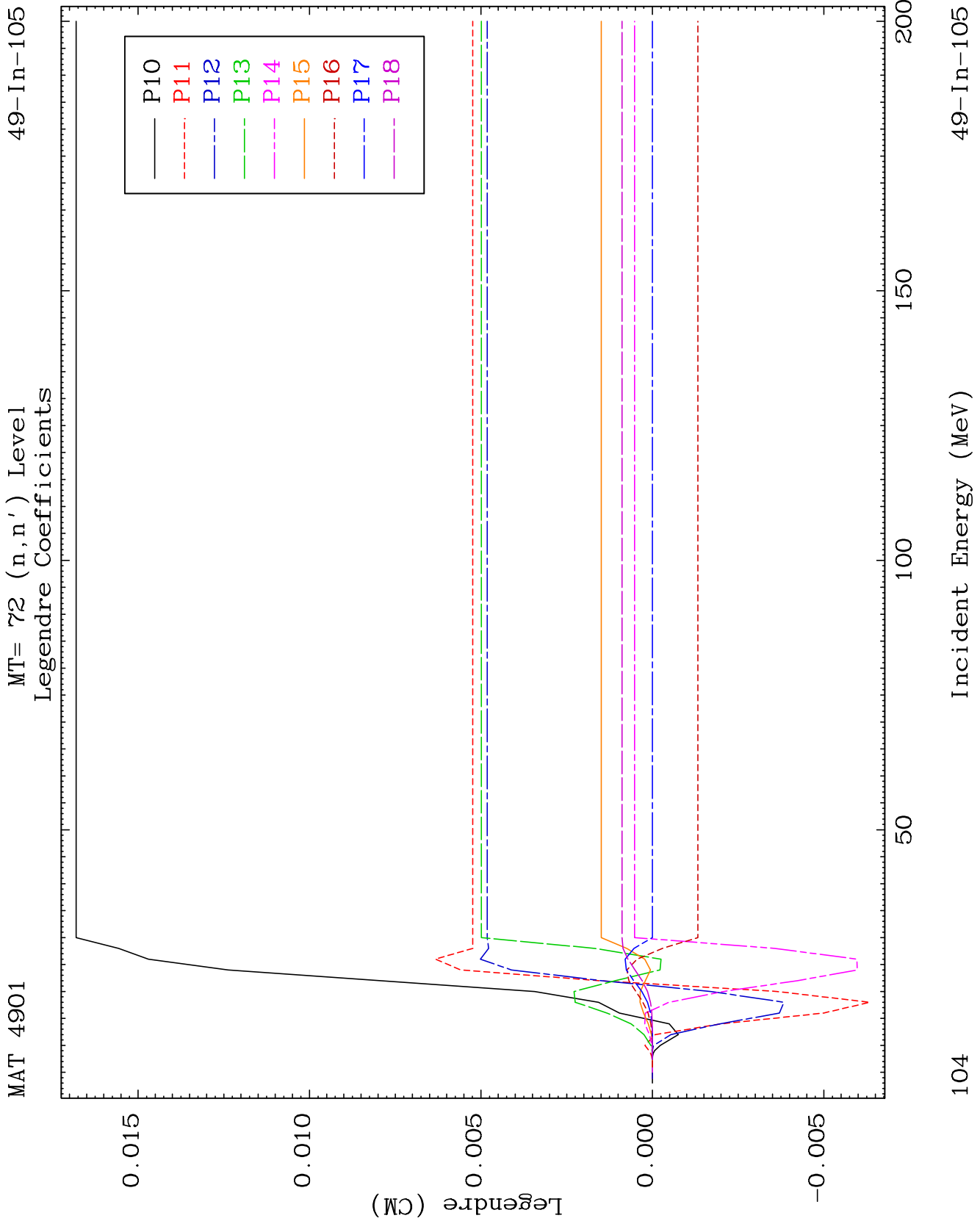
49-In-105



103

Incident Energy (MeV)

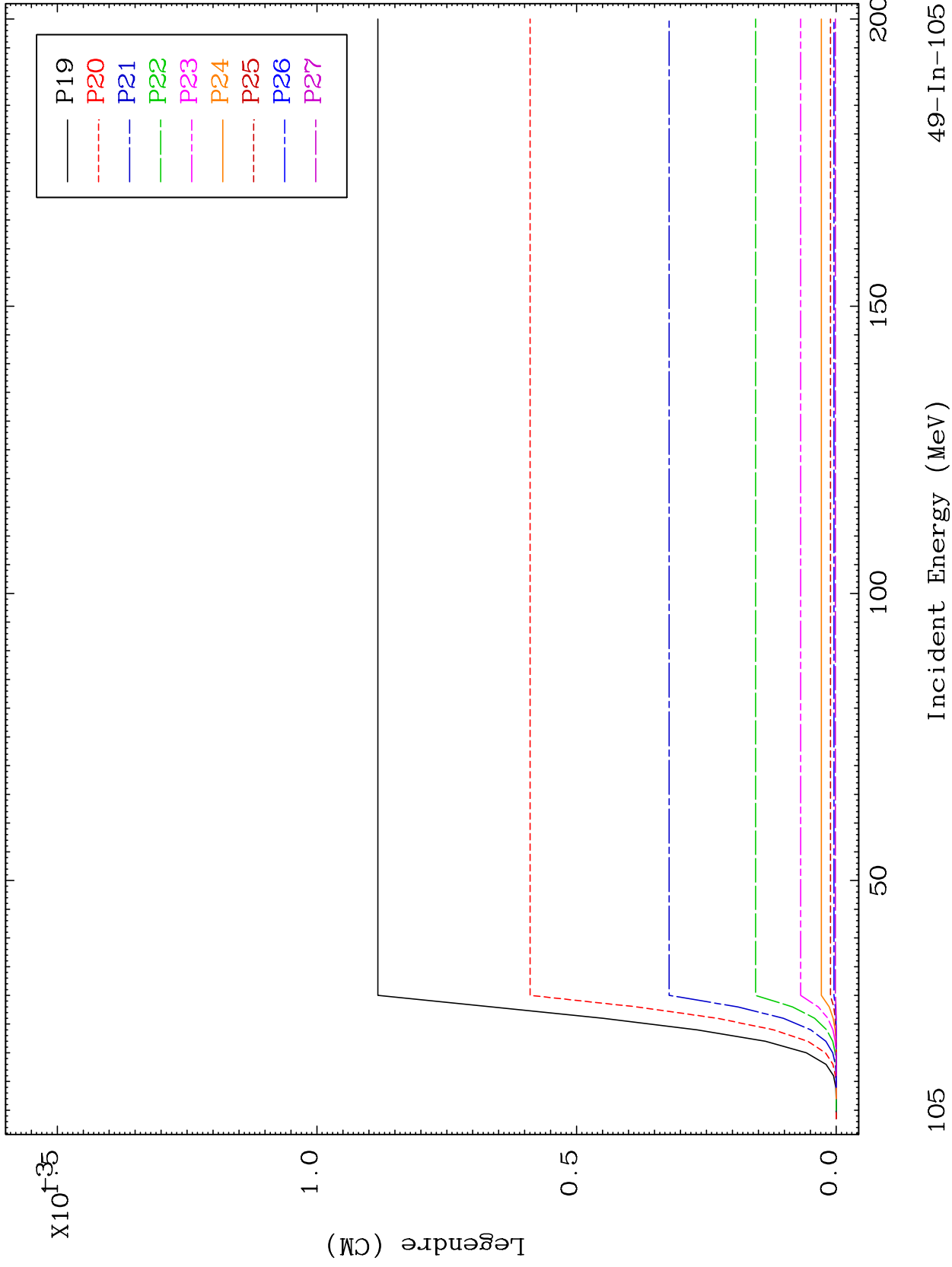
49-In-105



MAT 4901

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

49-In-105



105

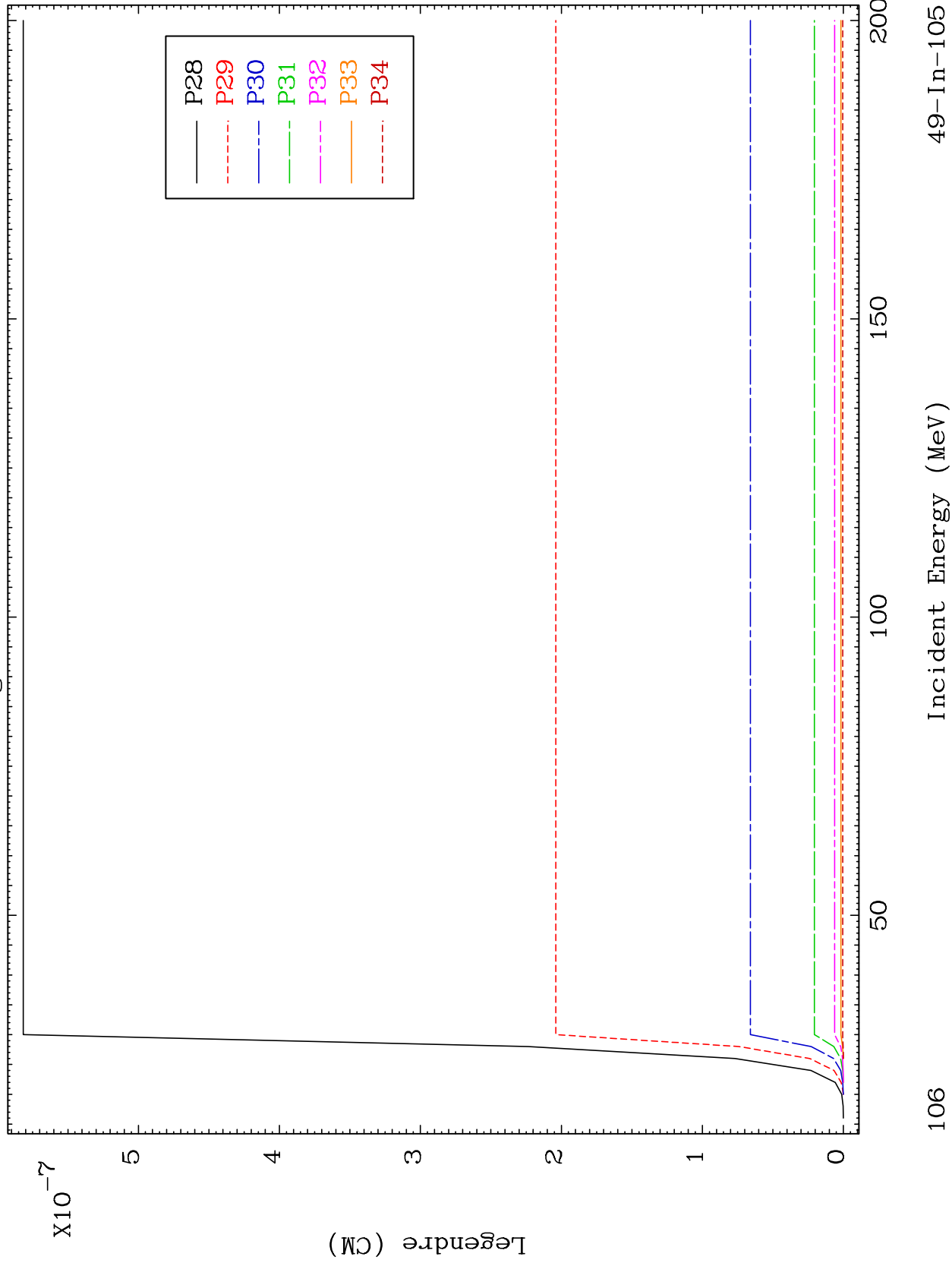
Incident Energy (MeV)

49-In-105

MAT 4901

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

49-In-105



106

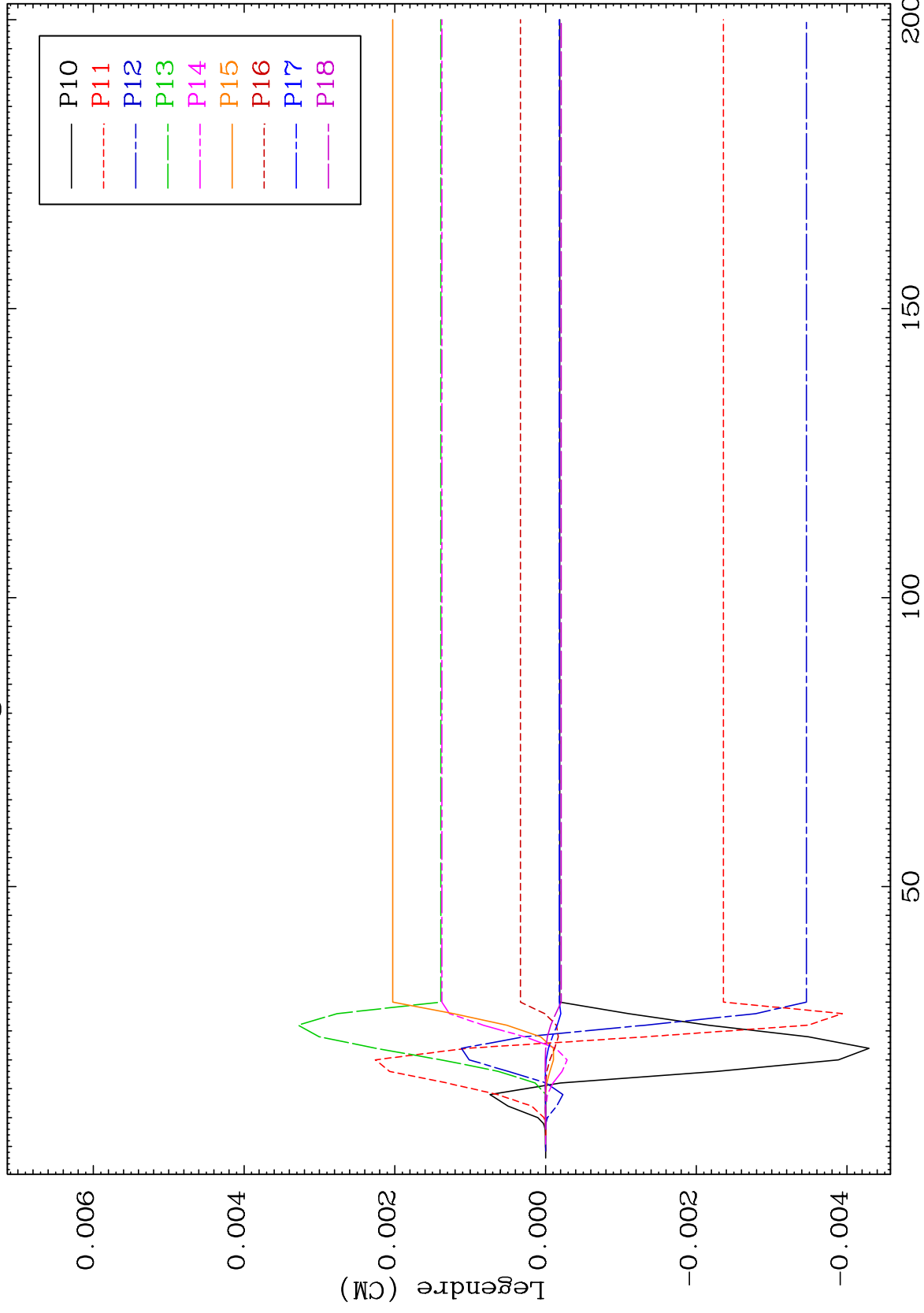
Incident Energy (MeV)

49-In-105

MAT 4901

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

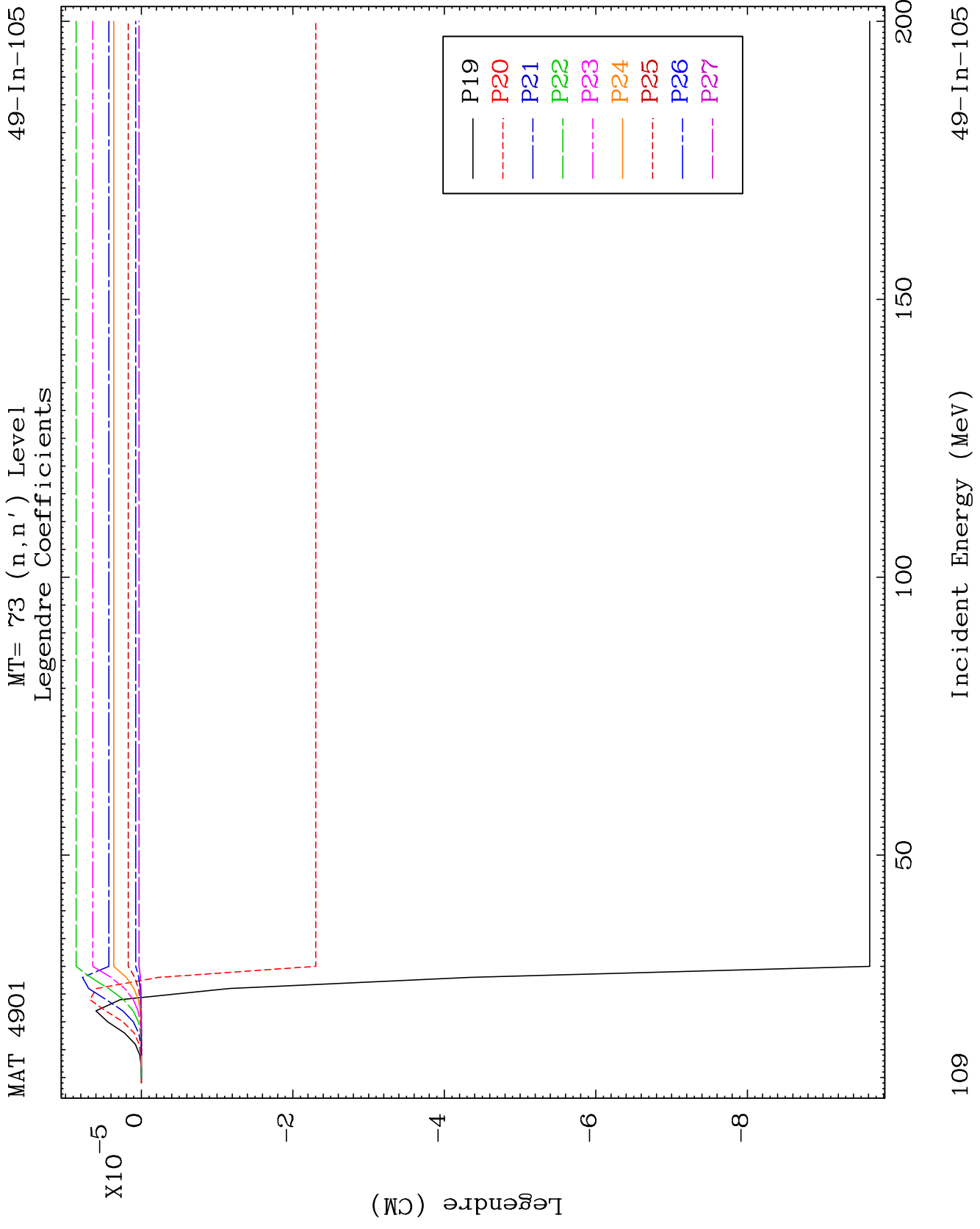
49-In-105



108

Incident Energy (MeV)

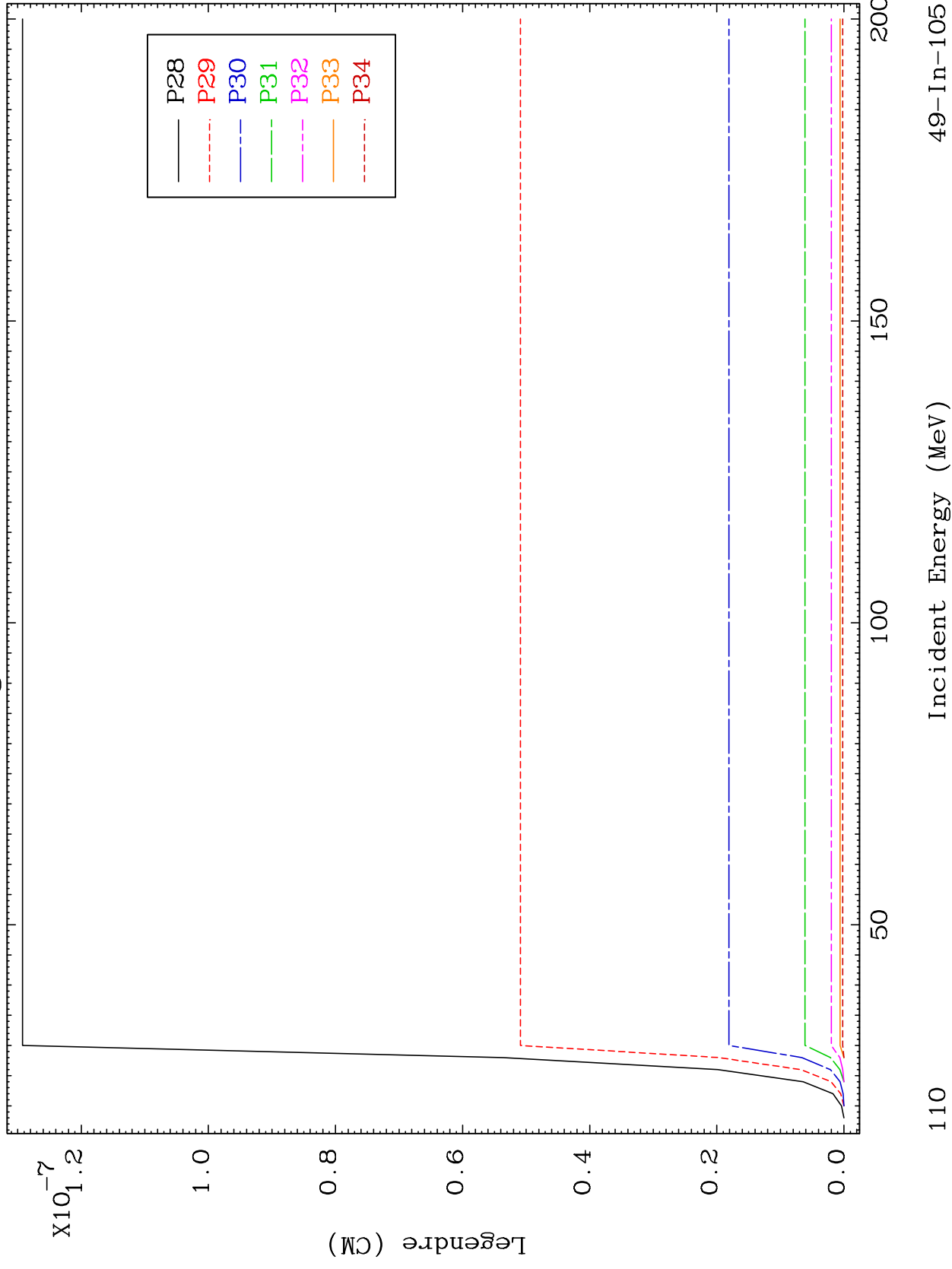
49-In-105



MAT 4901

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

49-In-105



110

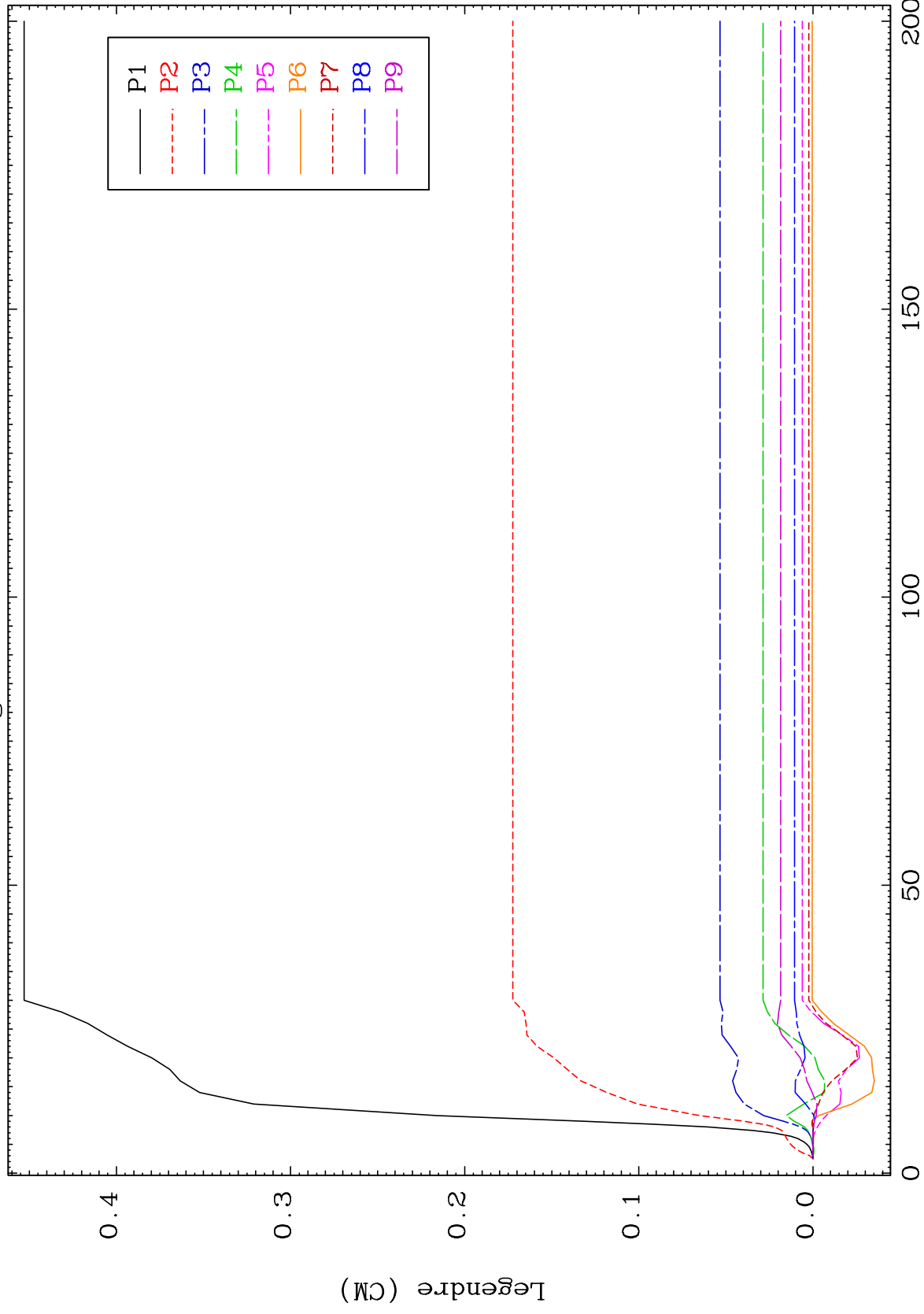
Incident Energy (MeV)

49-In-105

MAT 4901

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

49-In-105



111

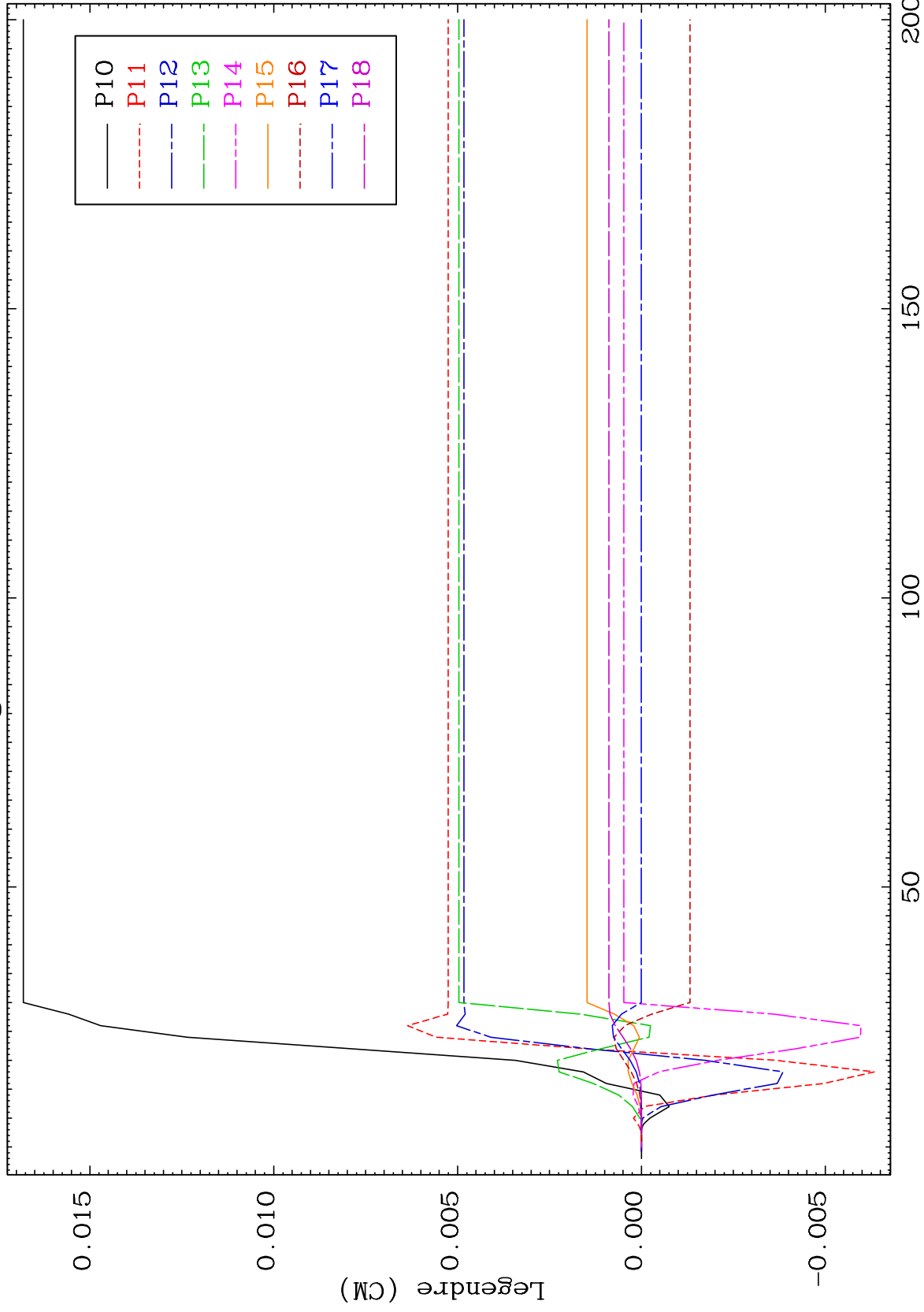
Incident Energy (MeV)

49-In-105

MAT 4901

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

49-In-105



112

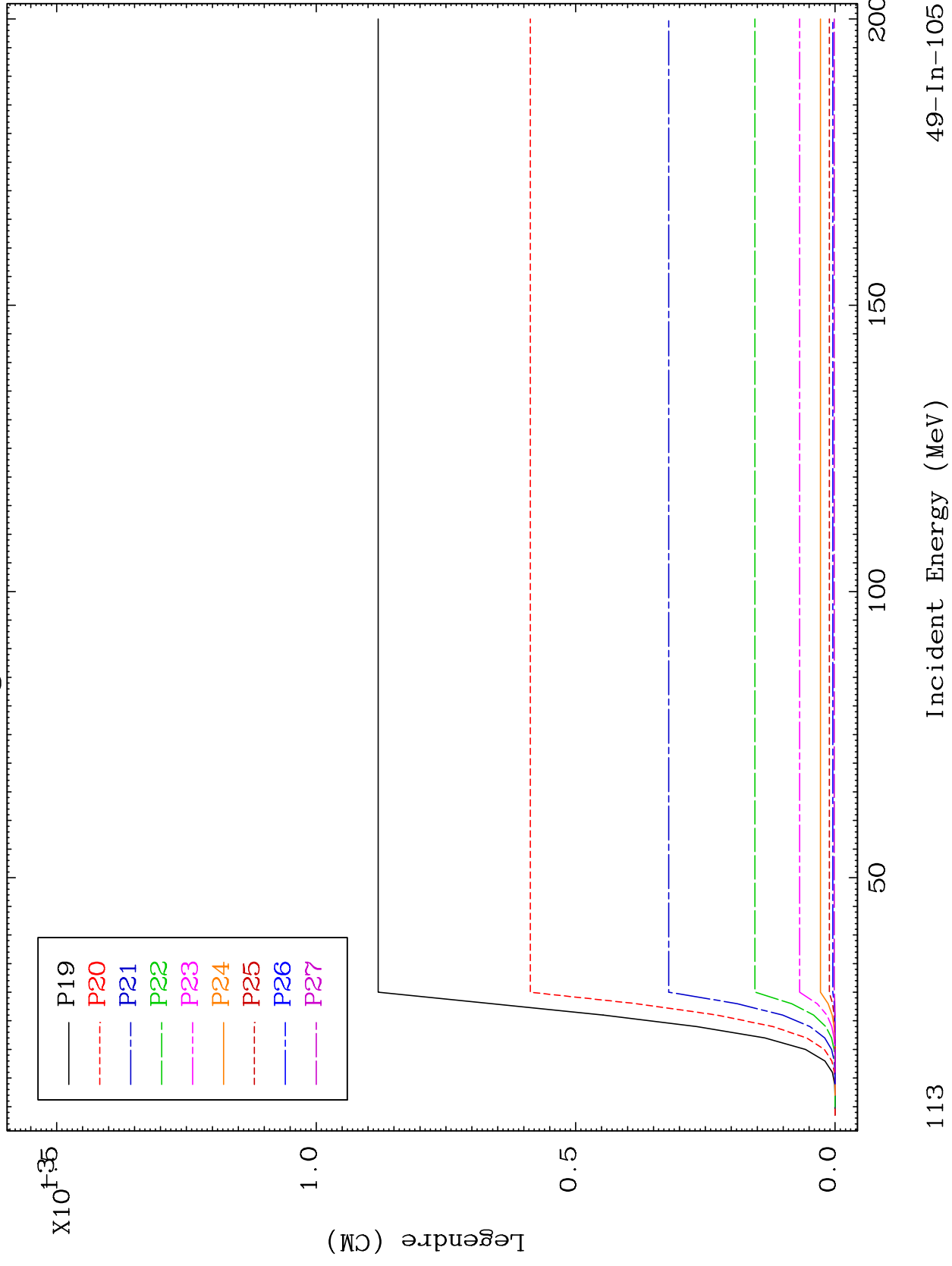
Incident Energy (MeV)

49-In-105

MAT 4901

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

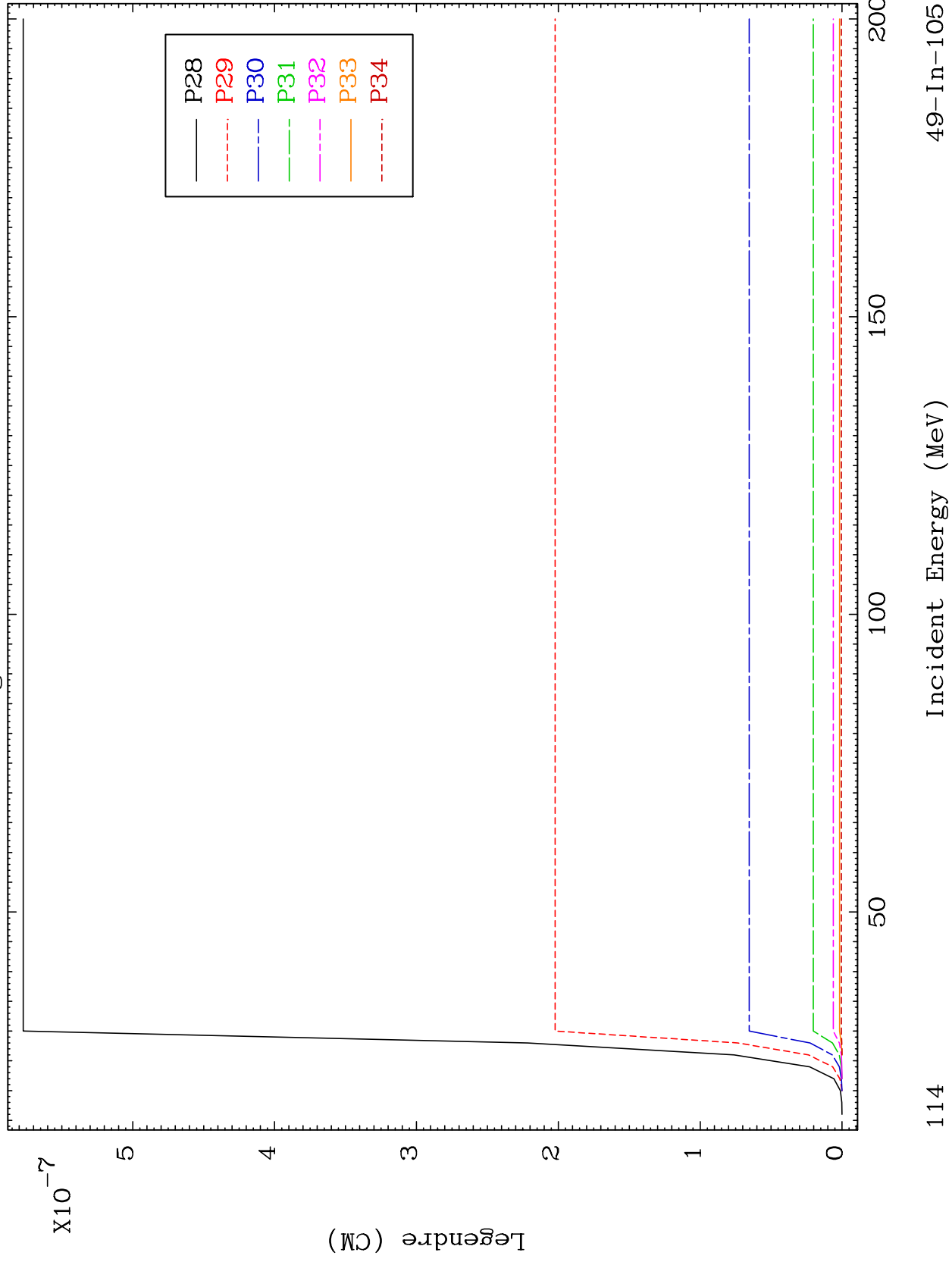
49-In-105



MAT 4901

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

49-In-105



114

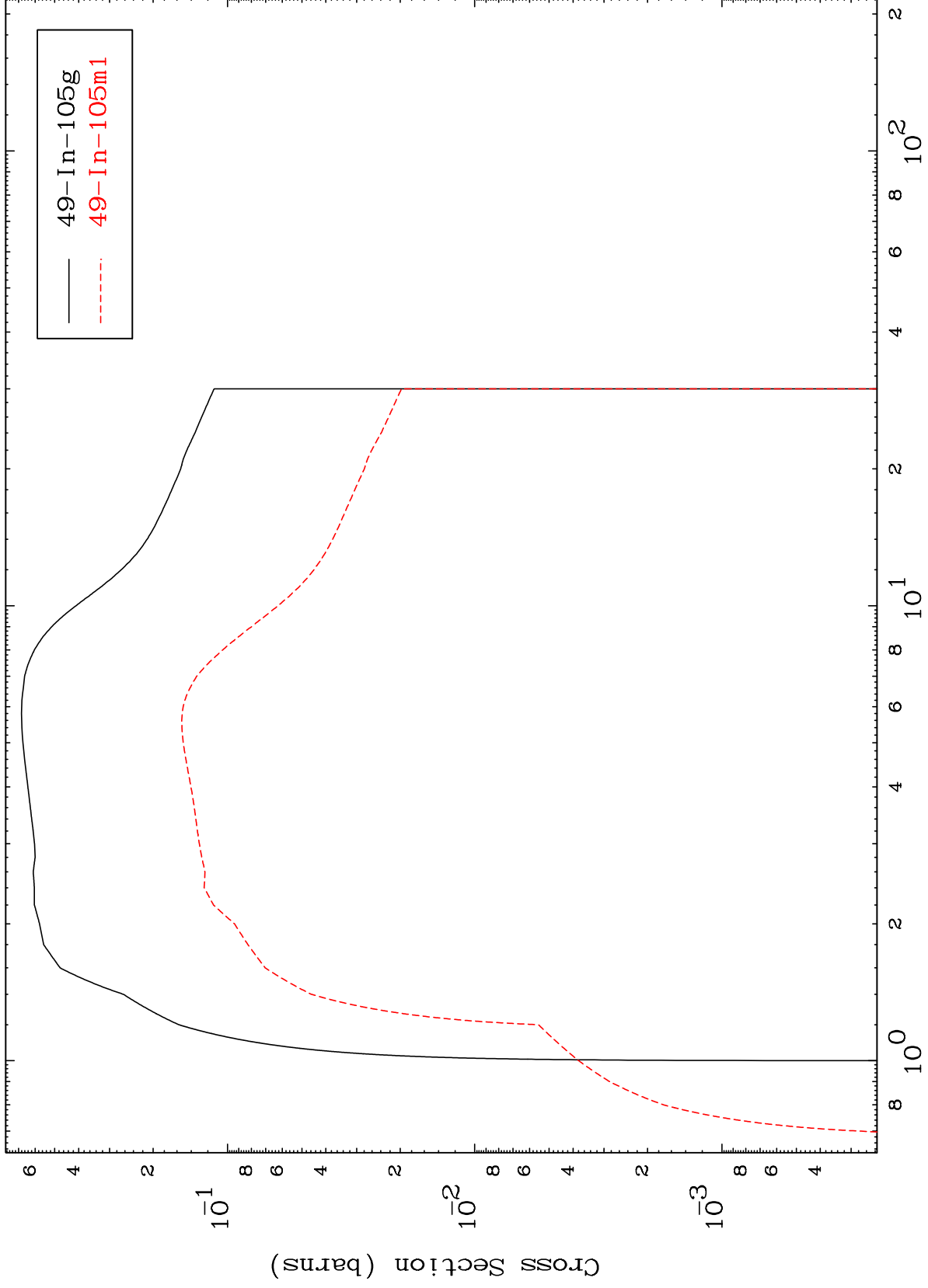
Incident Energy (MeV)

49-In-105

MAT 4901

49-In-105

Inelastic
Radionuclide Production Cross Section



115

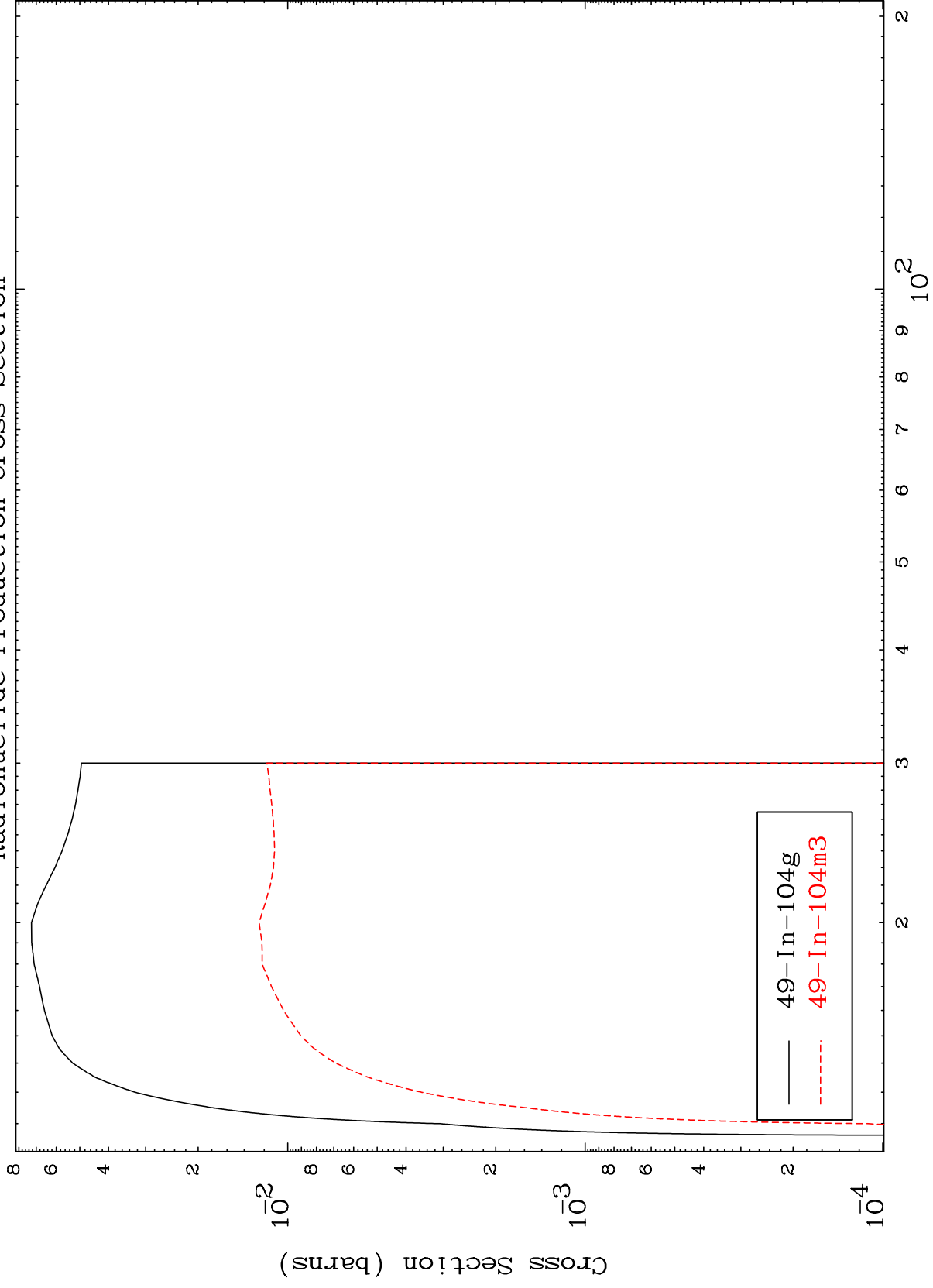
Incident Energy (MeV)

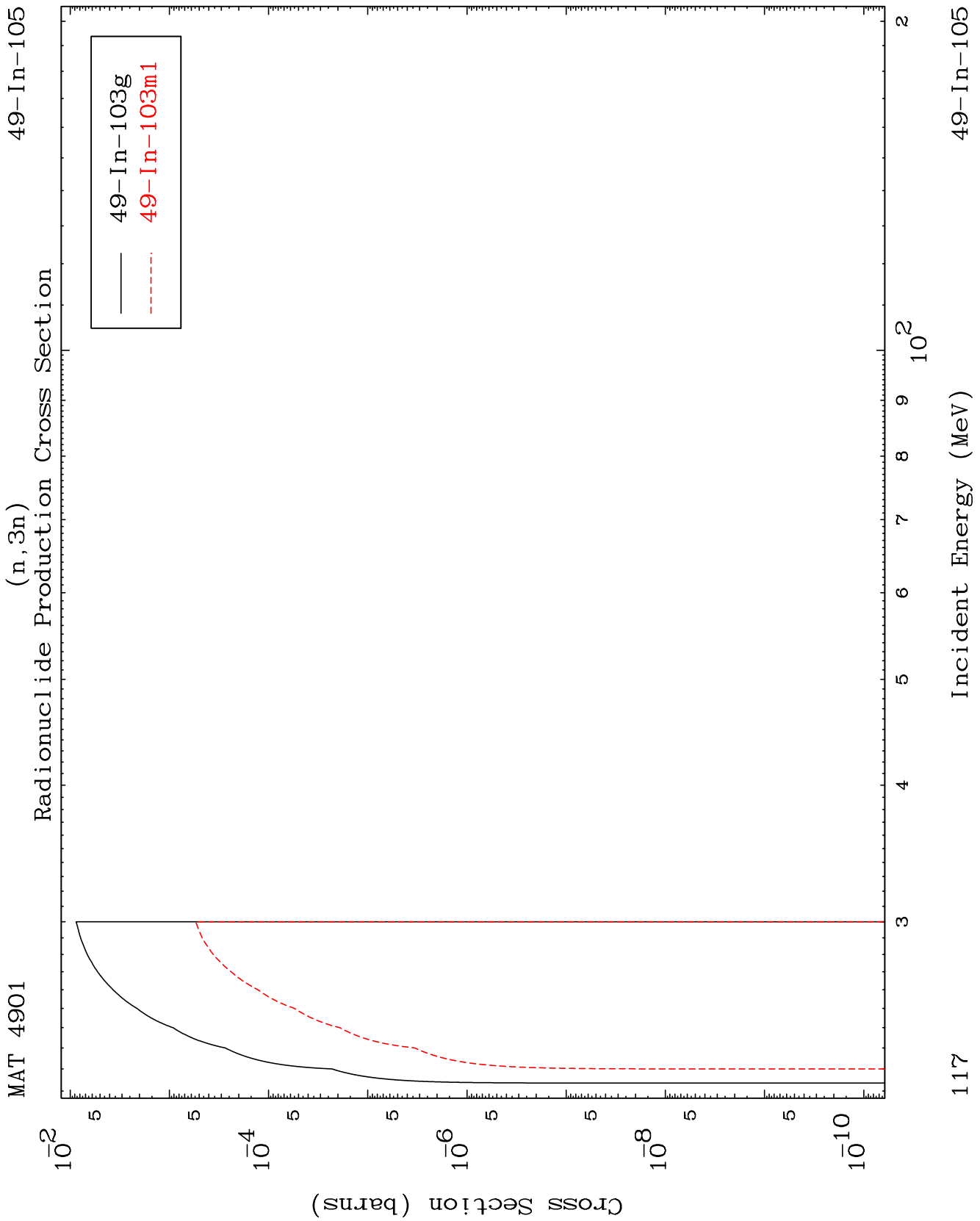
49-In-105

MAT 4901

49-In-105

(n,2n)
Radionuclide Production Cross Section



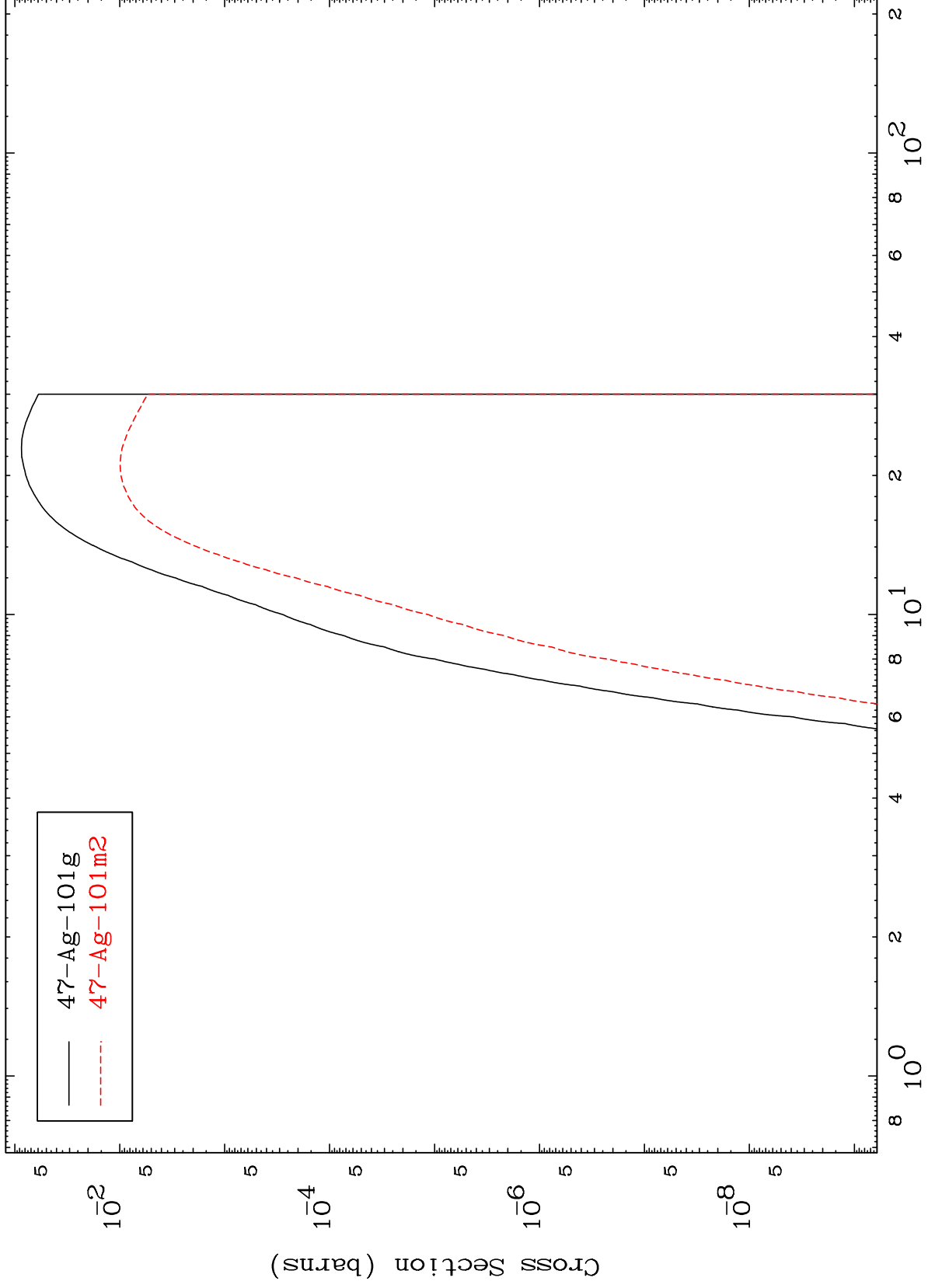


MAT 4901

(n,n') α

49-In-105

Radionuclide Production Cross Section



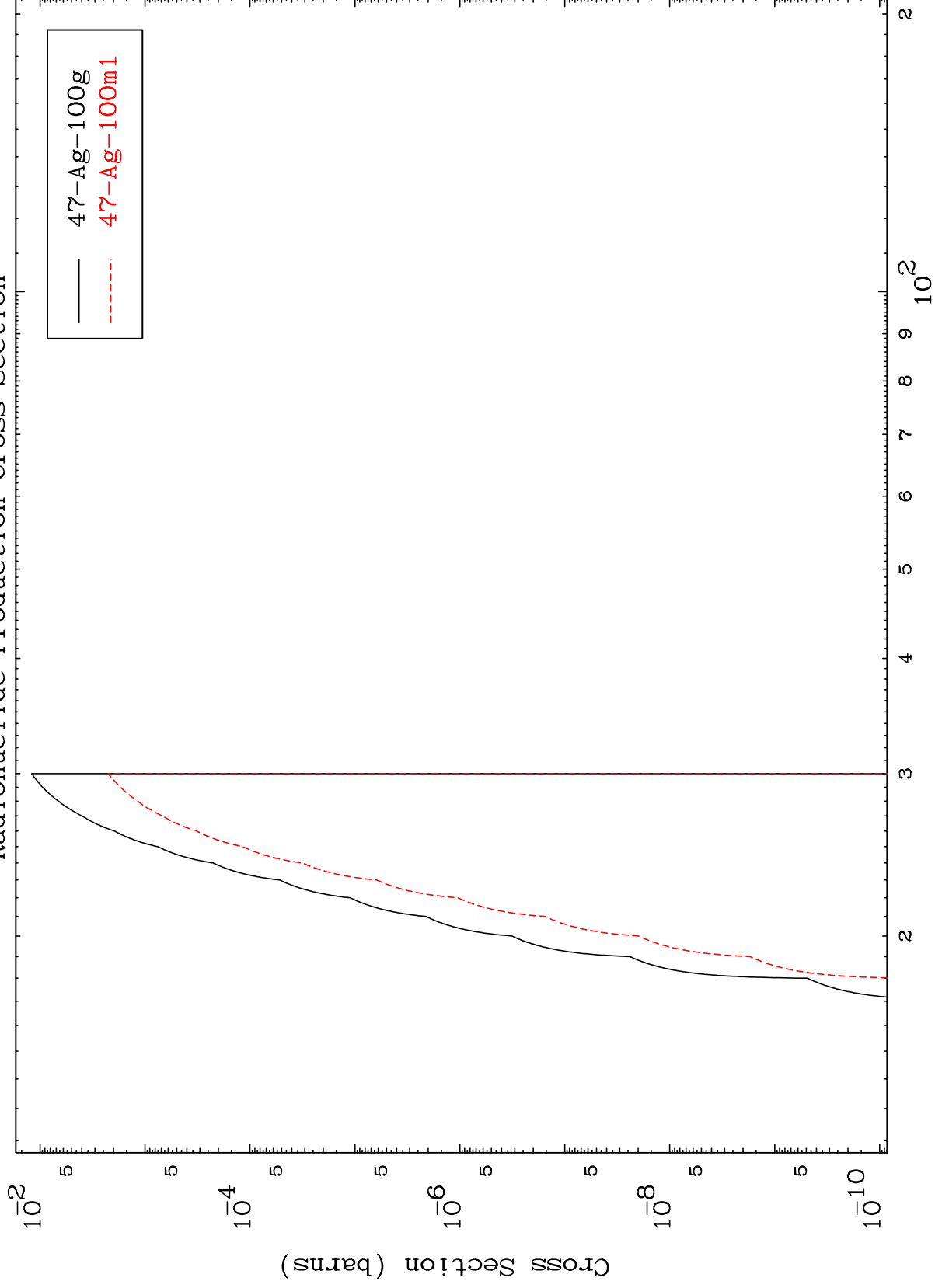
118

Incident Energy (MeV)

49-In-105

(n,2n) α

Radionuclide Production Cross Section

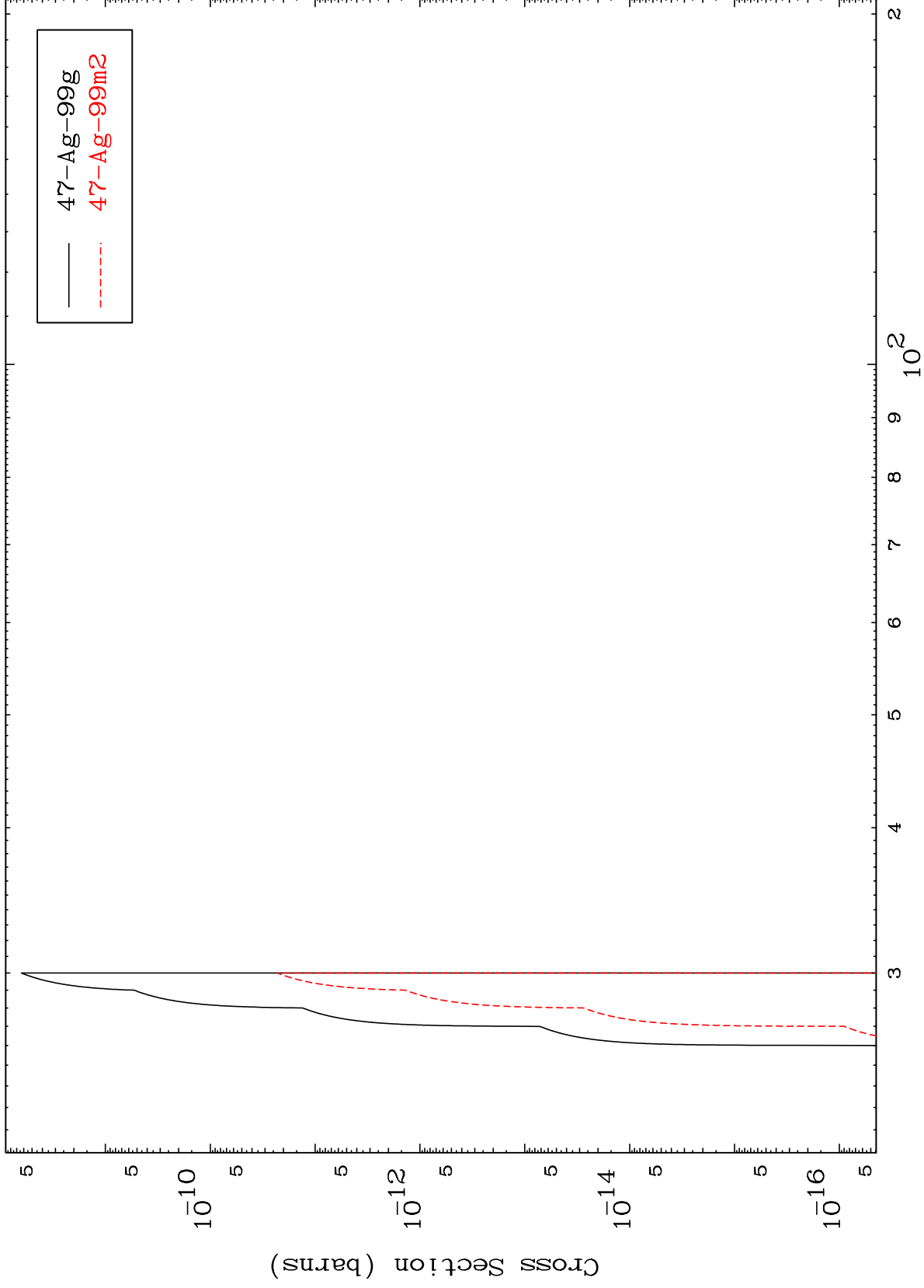


MAT 4901

(n,3n) α

49-In-105

Radionuclide Production Cross Section



120

Incident Energy (MeV)

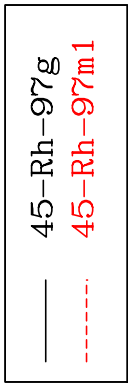
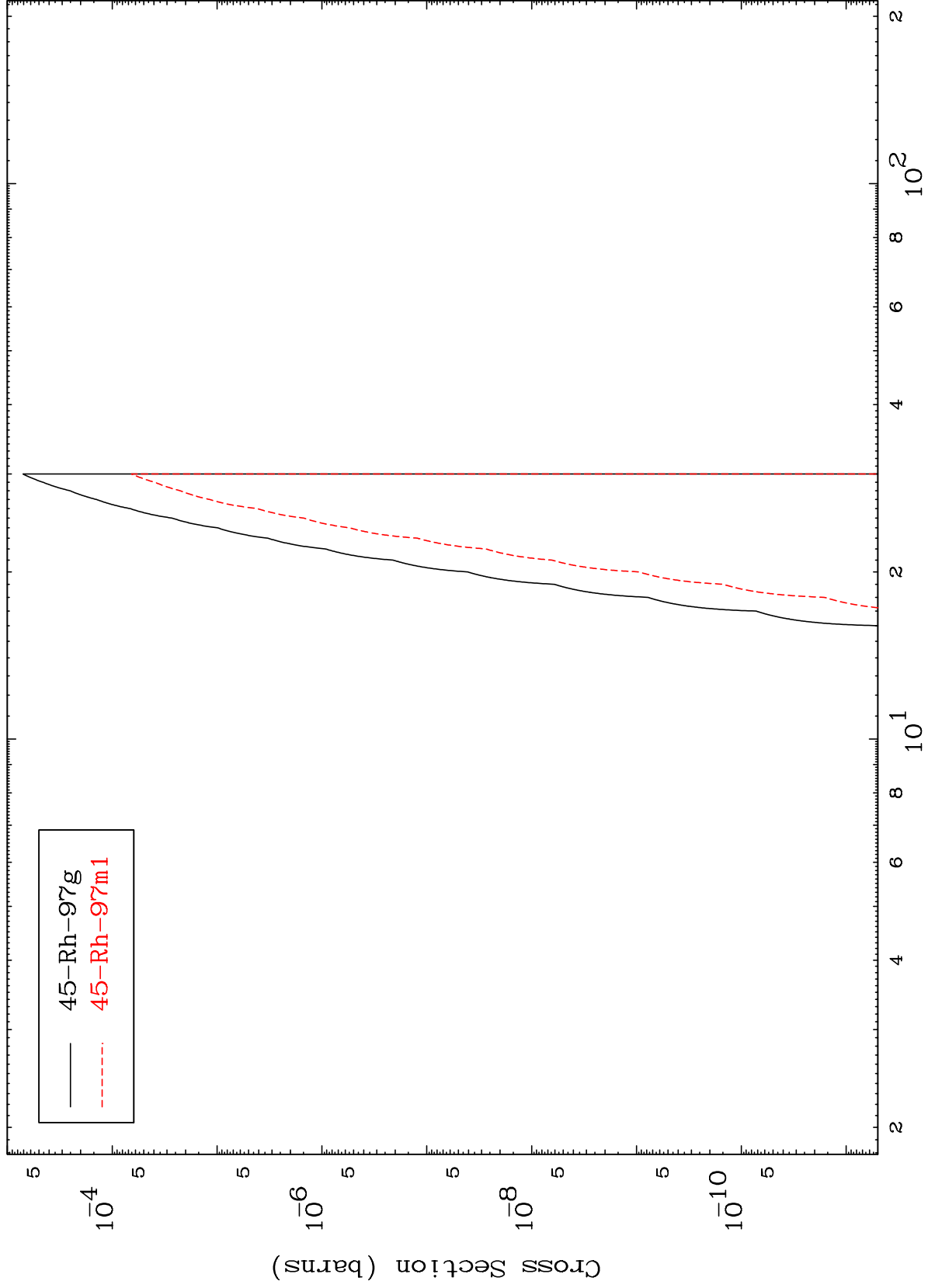
49-In-105

MAT 4901

(n,n') 2 α

49-In-105

Radionuclide Production Cross Section



121

Incident Energy (MeV)

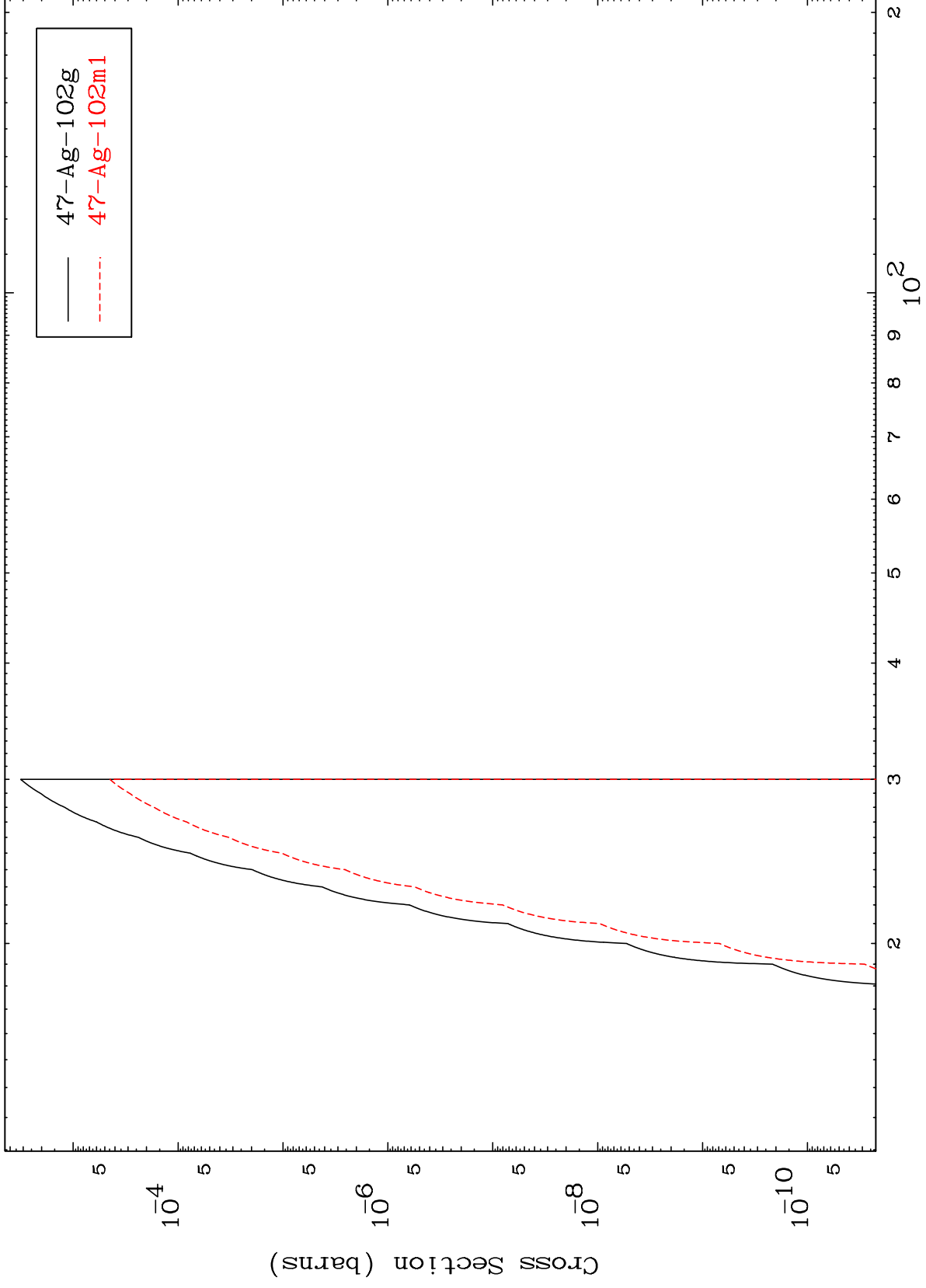
49-In-105

MAT 4901

(n,n') He-3

49-In-105

Radionuclide Production Cross Section



122

Incident Energy (MeV)

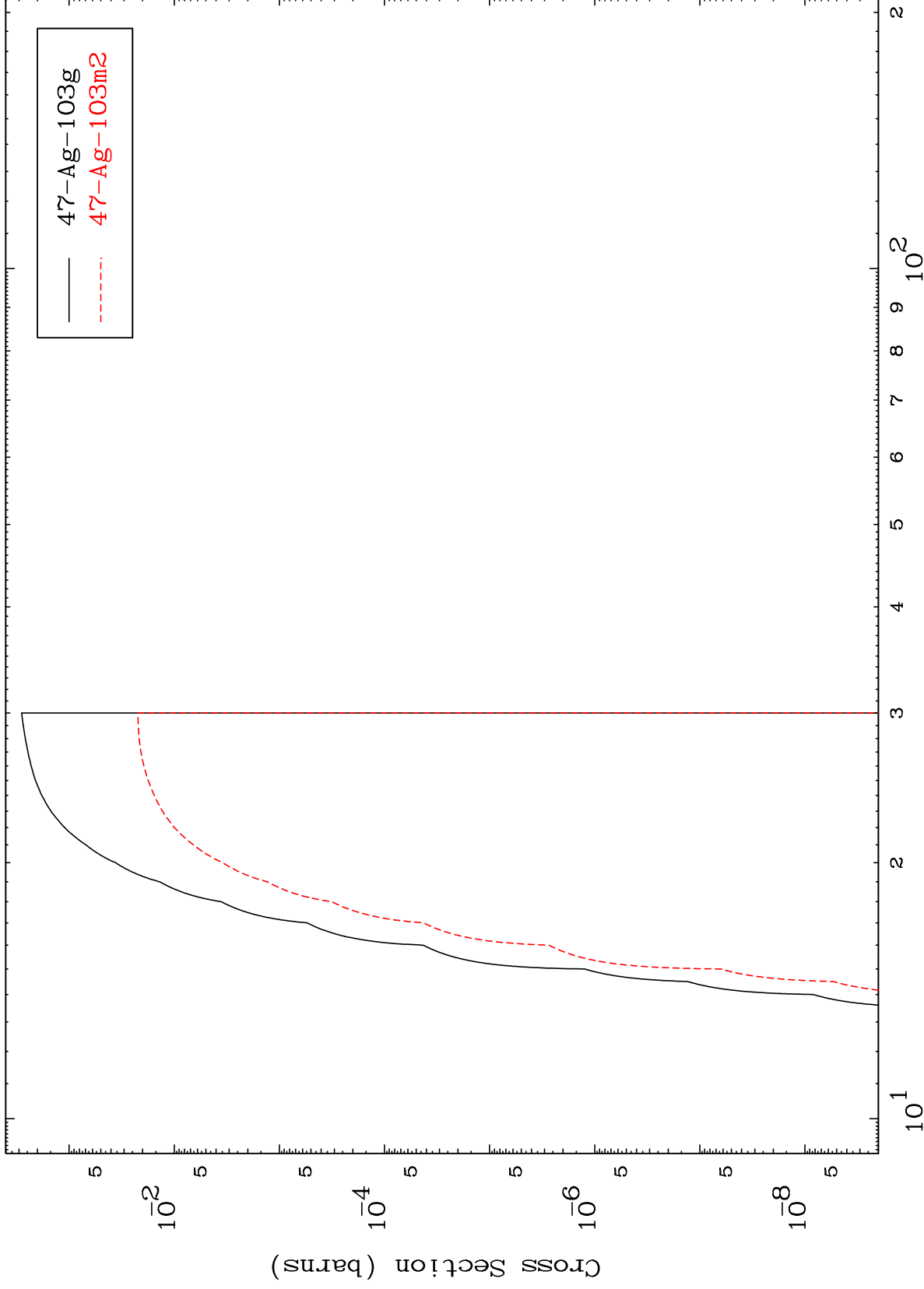
49-In-105

MAT 4901

(n,2n) p

49-In-105

Radionuclide Production Cross Section



123

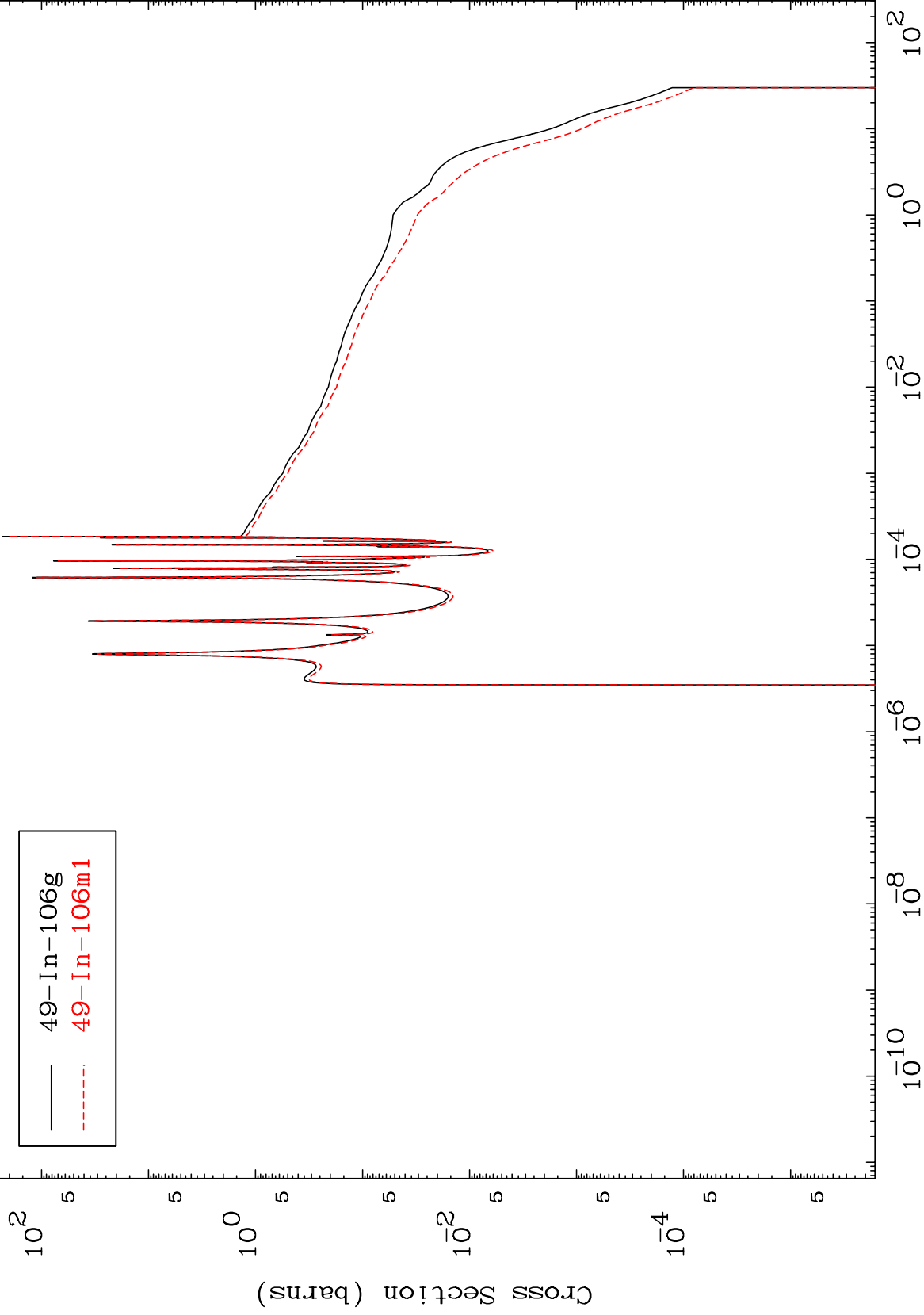
Incident Energy (MeV)

49-In-105

MAT 4901

49-In-105

Radionuclide Production Cross Section



124

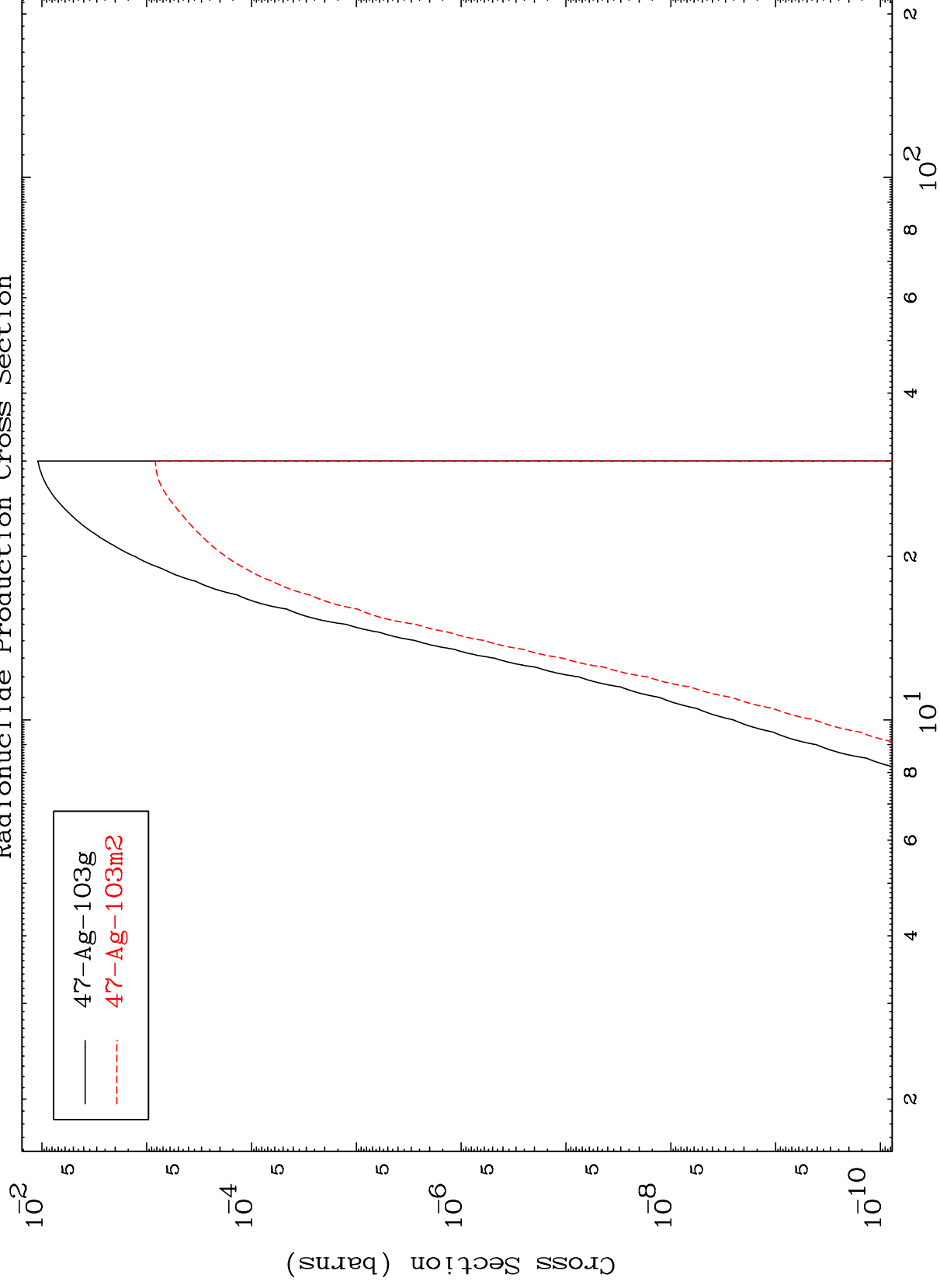
49-In-105

Incident Energy (MeV)

MAT 4901

49-In-105

Radionuclide Production Cross Section
(n,He-3)



125

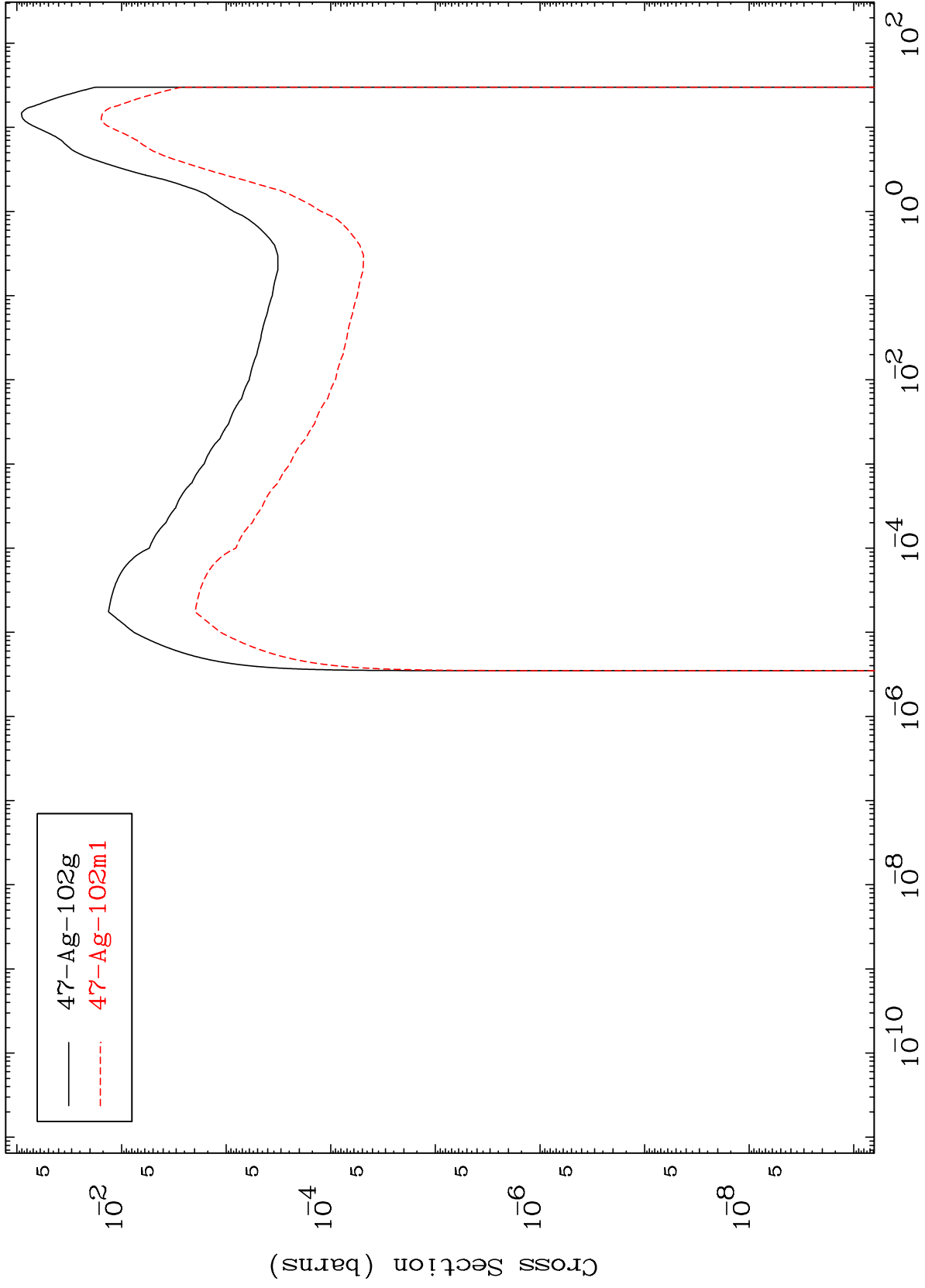
Incident Energy (MeV)

49-In-105

MAT 4901

49-In-105

(n, α)
Radionuclide Production Cross Section

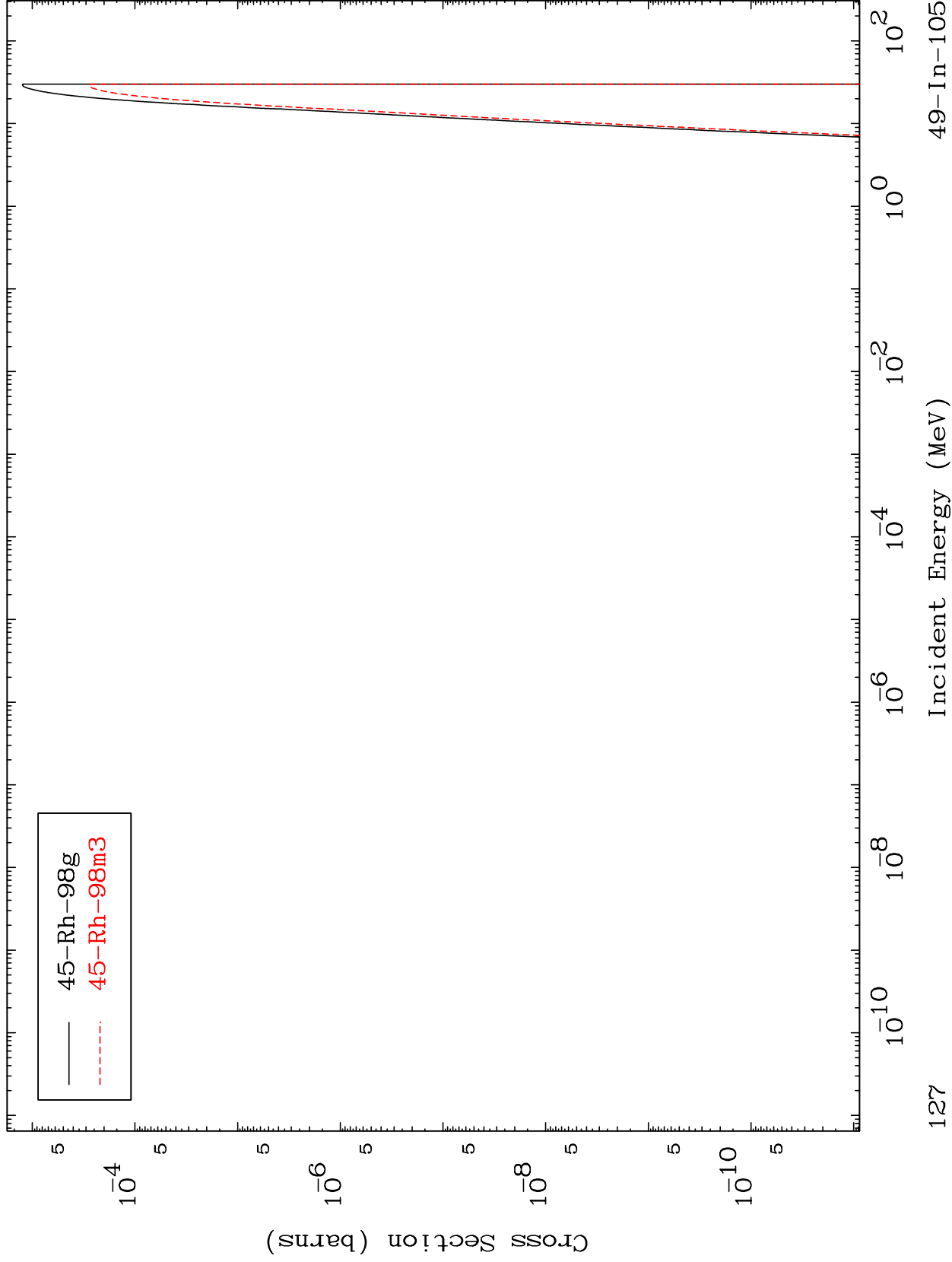


MAT 4901

(n,2α)

49-In-105

Radionuclide Production Cross Section



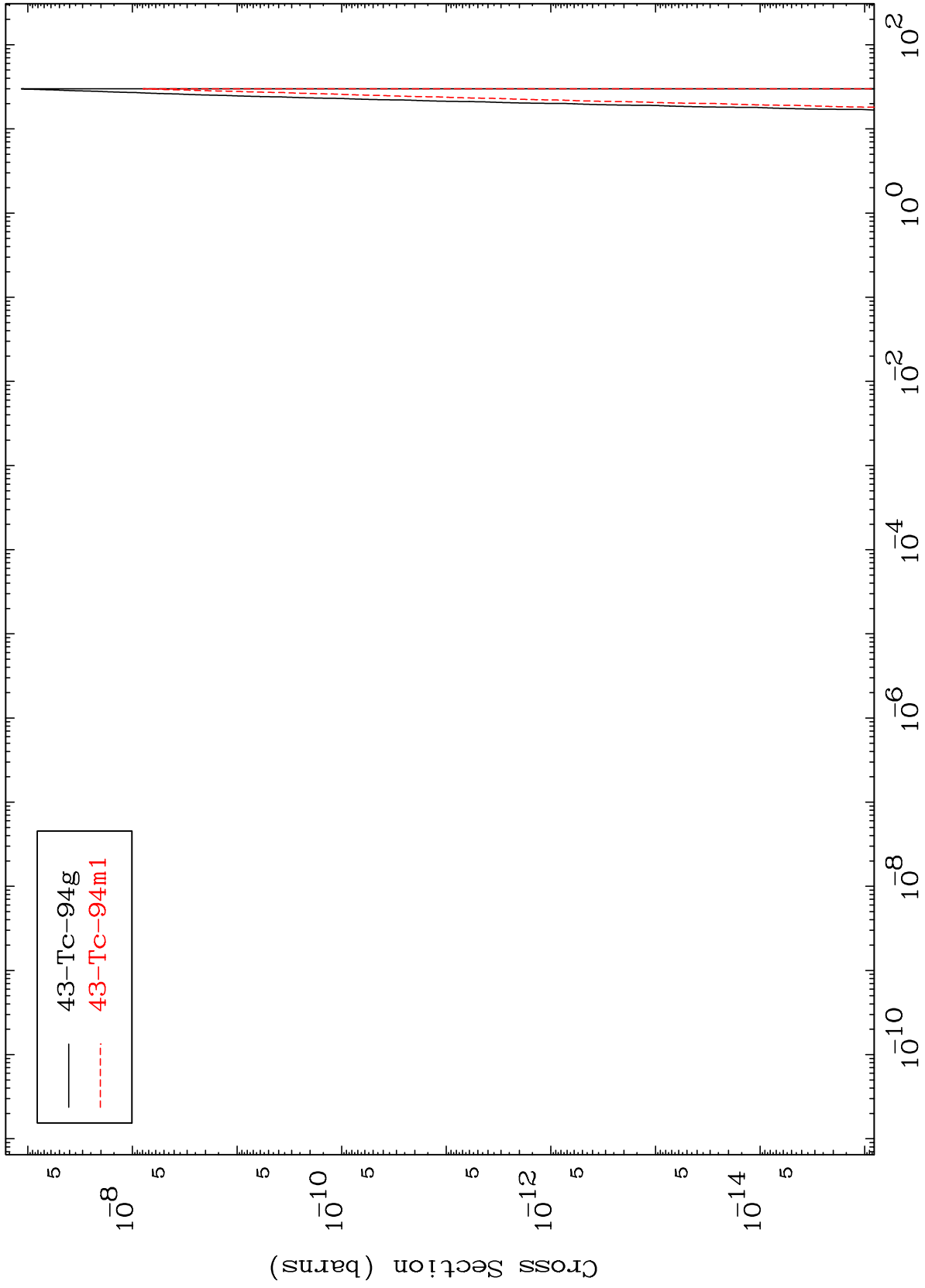
127

MAT 4901

(n, 3α)

49-In-105

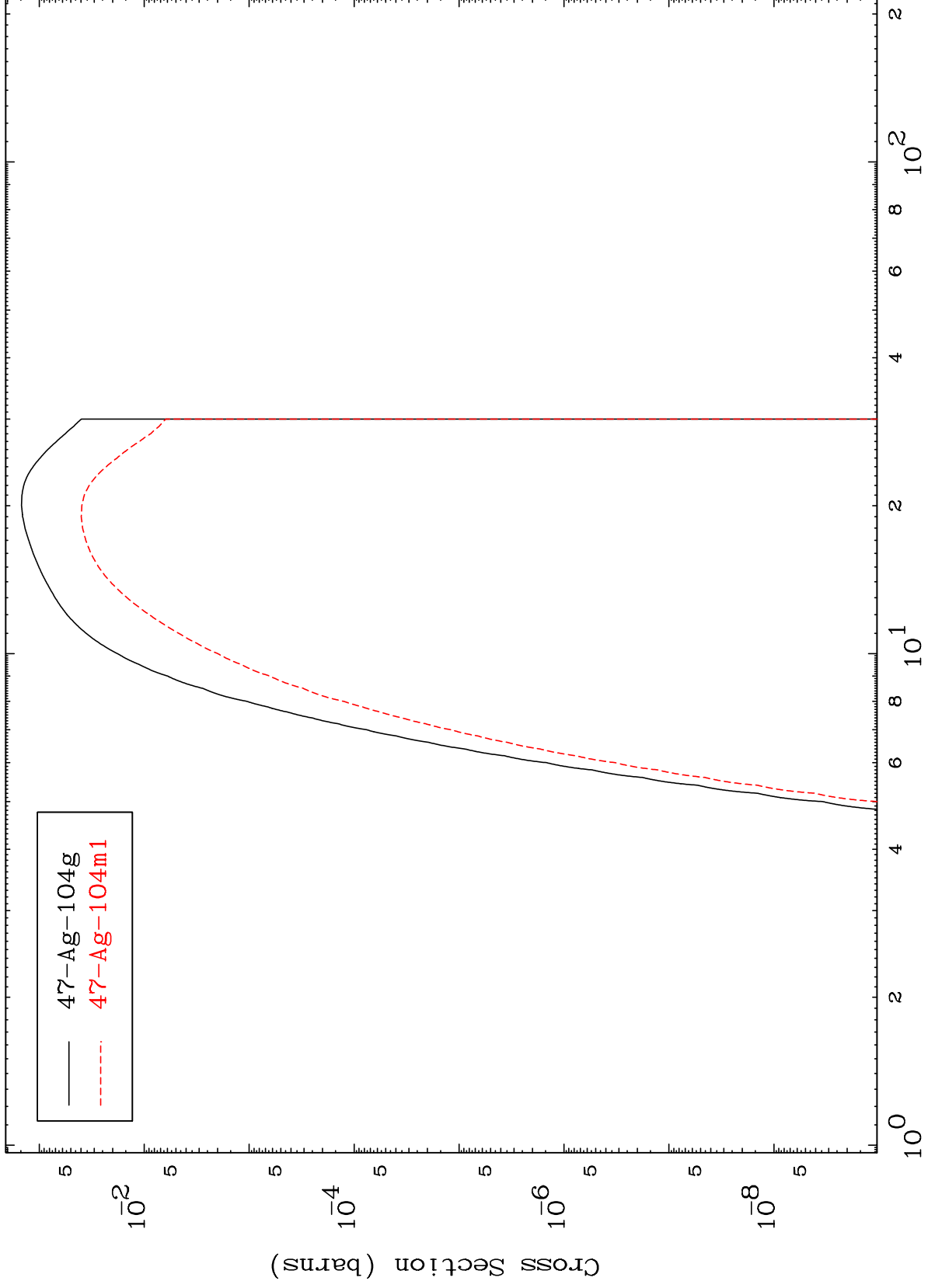
Radionuclide Production Cross Section



MAT 4901

49-In-105

(n,2p)
Radionuclide Production Cross Section



— 47-Ag-104g
- - - 47-Ag-104m1

49-In-105

Incident Energy (MeV)

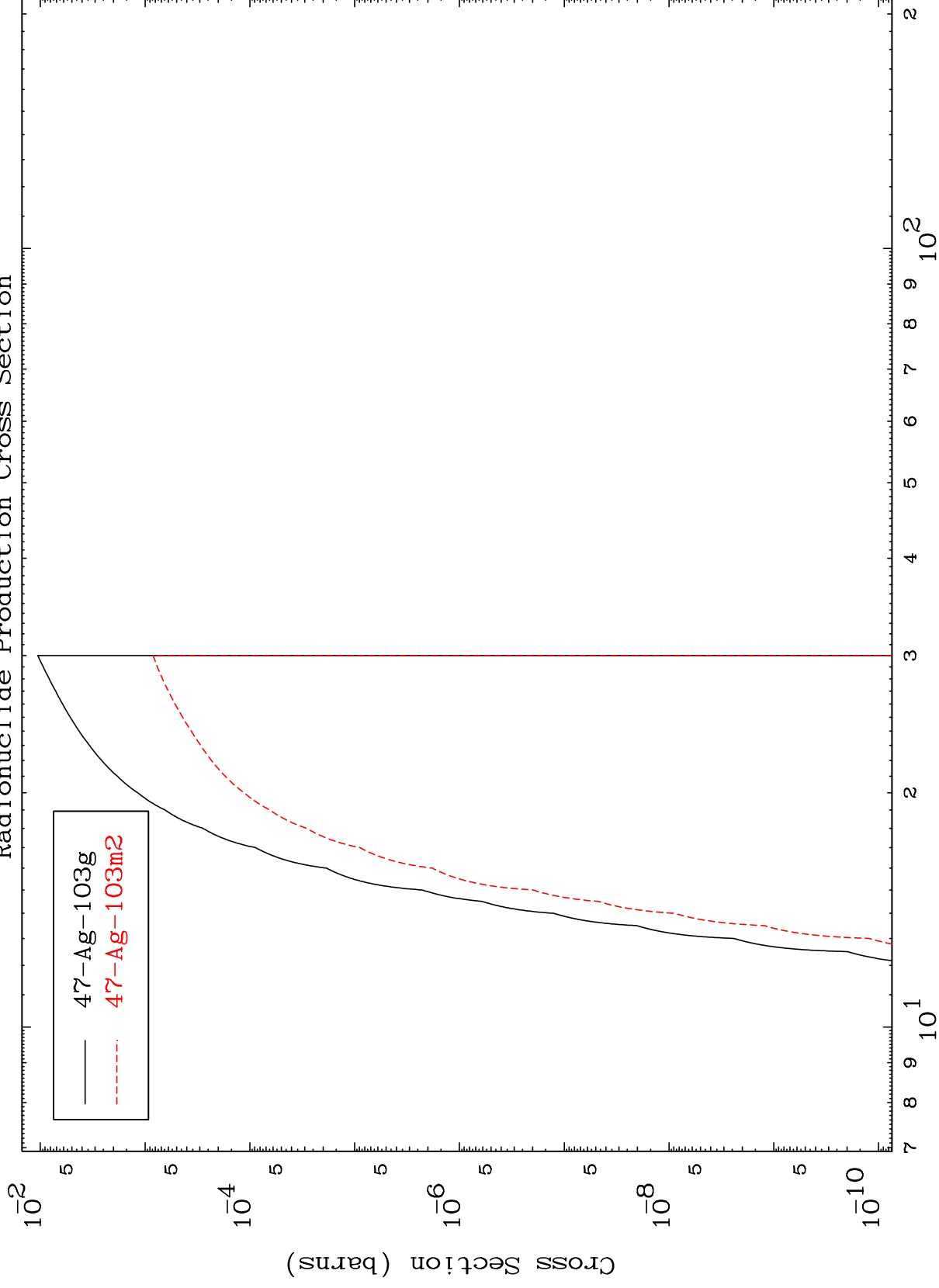
129

MAT 4901

(n,p) d

49-In-105

Radionuclide Production Cross Section



130

Incident Energy (MeV)

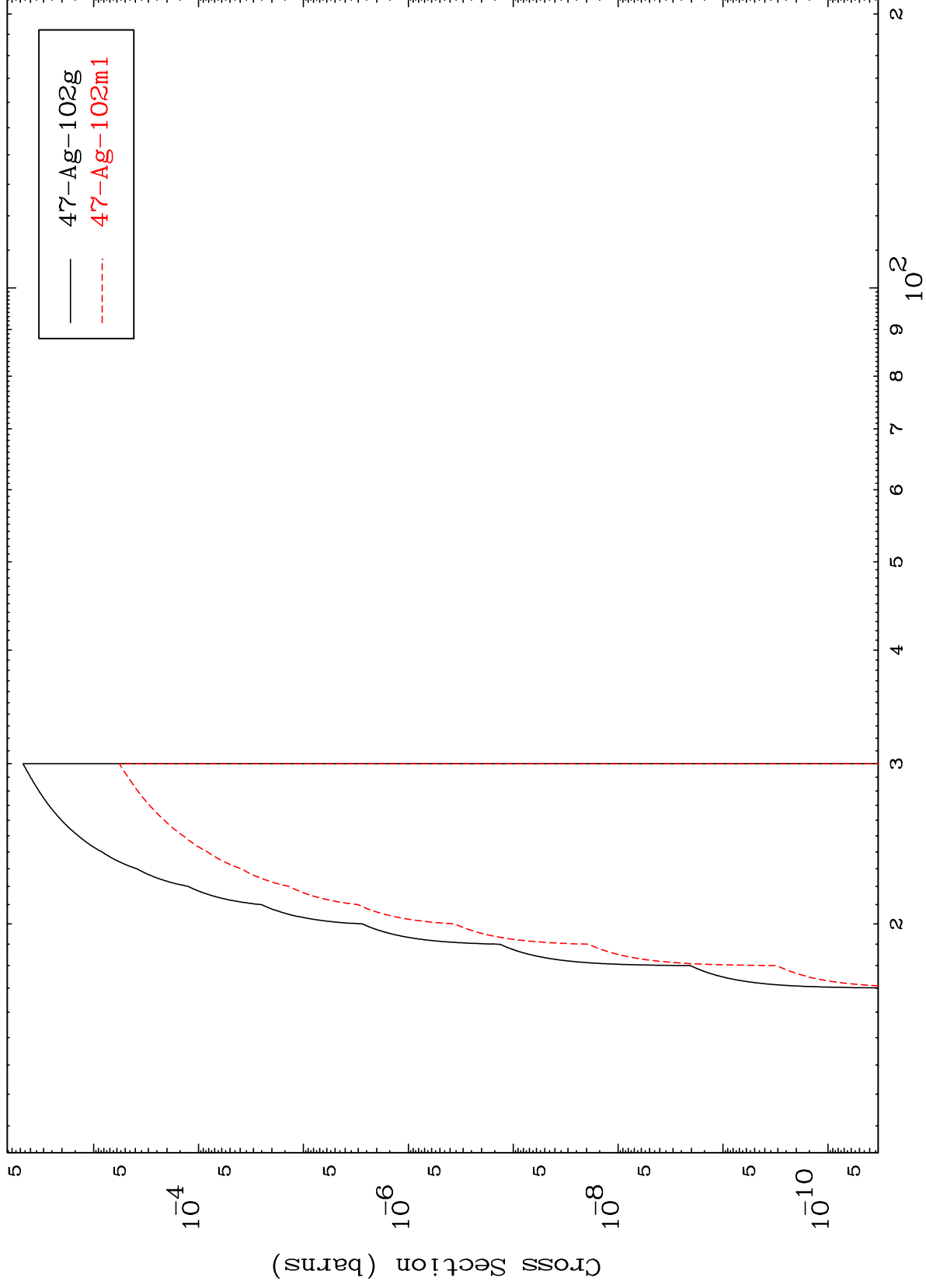
49-In-105

MAT 4901

(n,p) t

49-In-105

Radionuclide Production Cross Section



131

Incident Energy (MeV)

49-In-105