

Program EVALPLOT  
(Version 2021-1)

by

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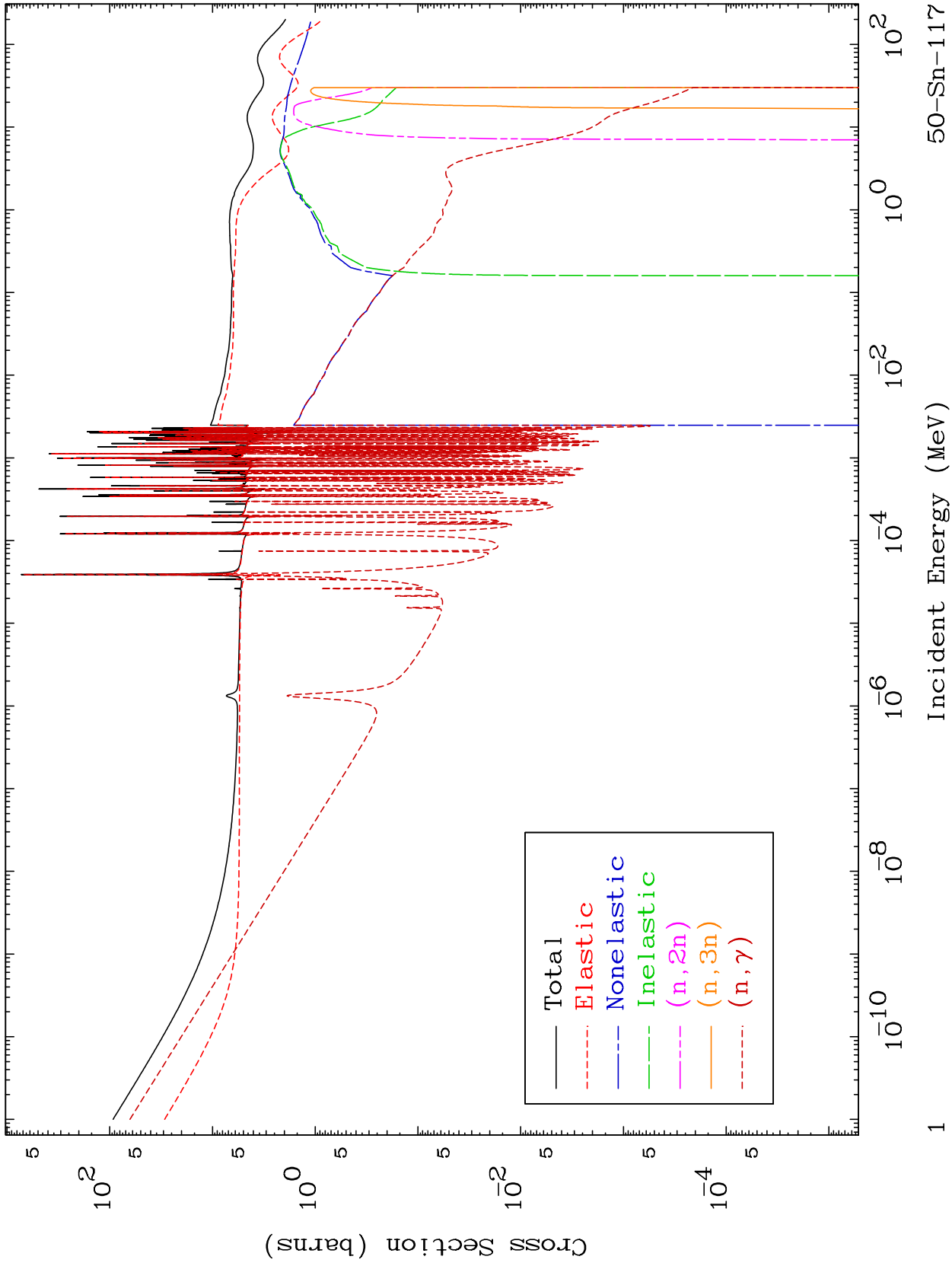
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5040

Neutron Major  
293 Kelvin Cross Sections

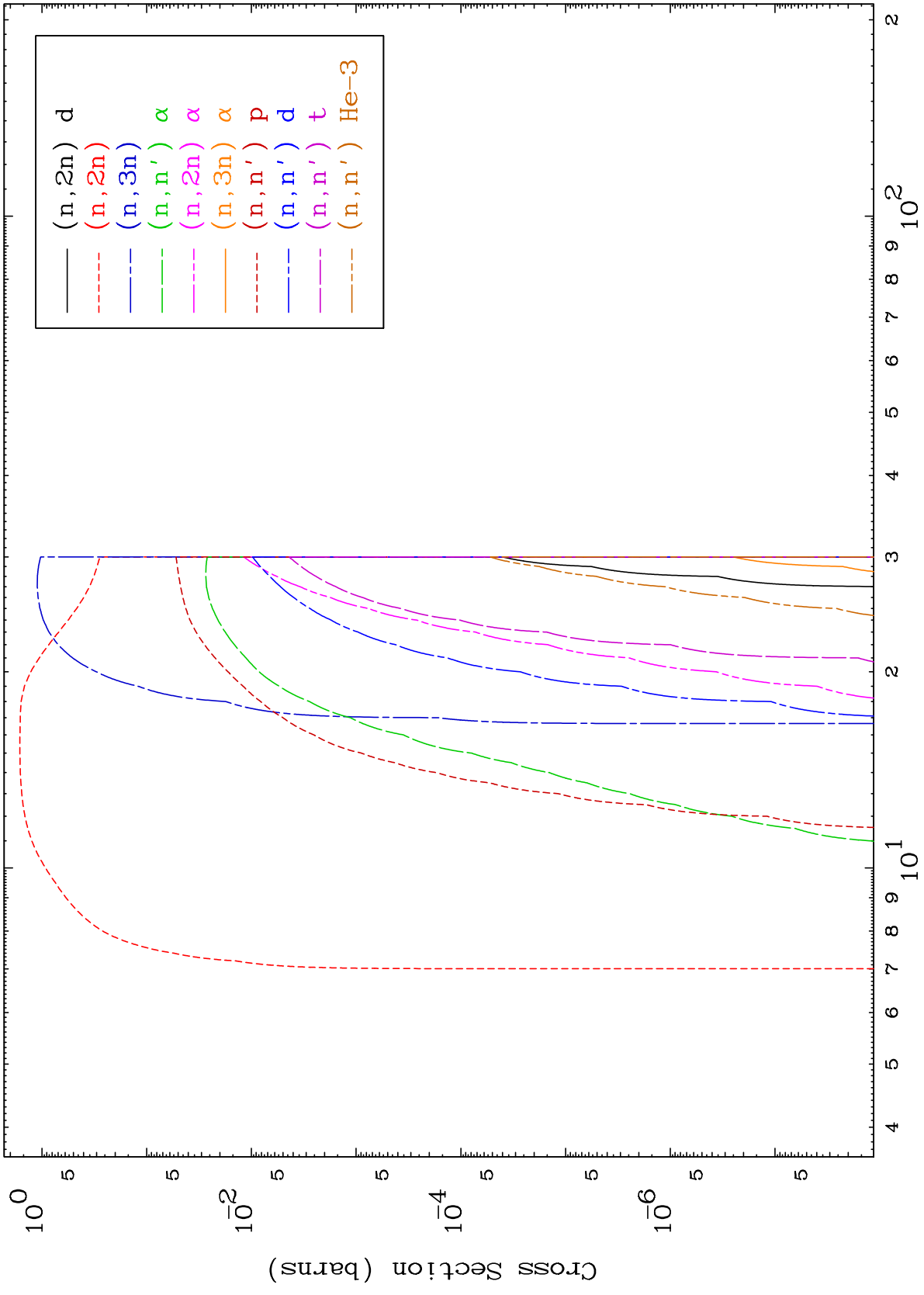
50-Sn-117



MAT 5040

Neutron Absorption  
293 Kelvin Cross Sections

50-Sn-117



2

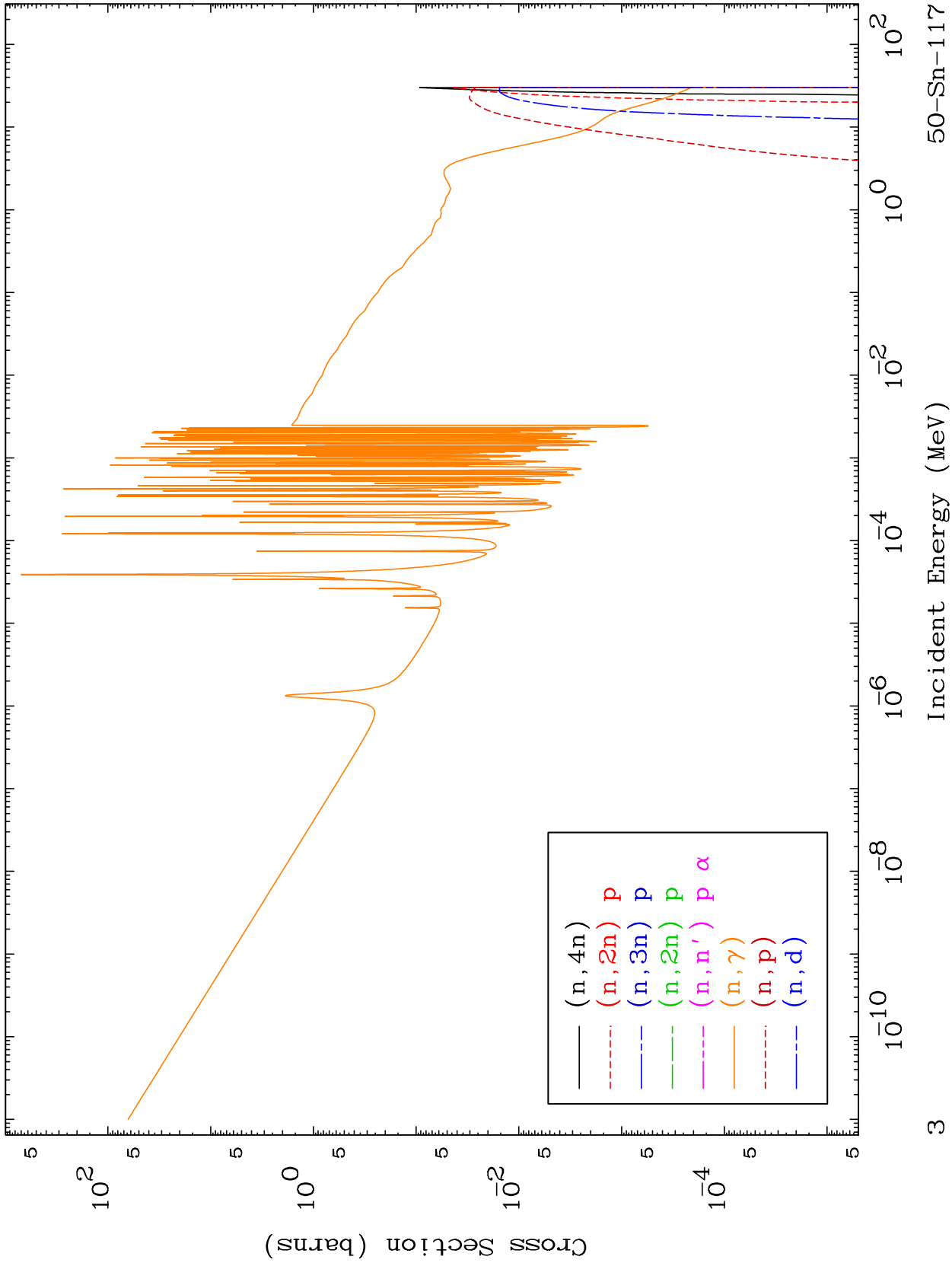
Incident Energy (MeV)

50-Sn-117

MAT 5040

Neutron Absorption  
293 Kelvin Cross Sections

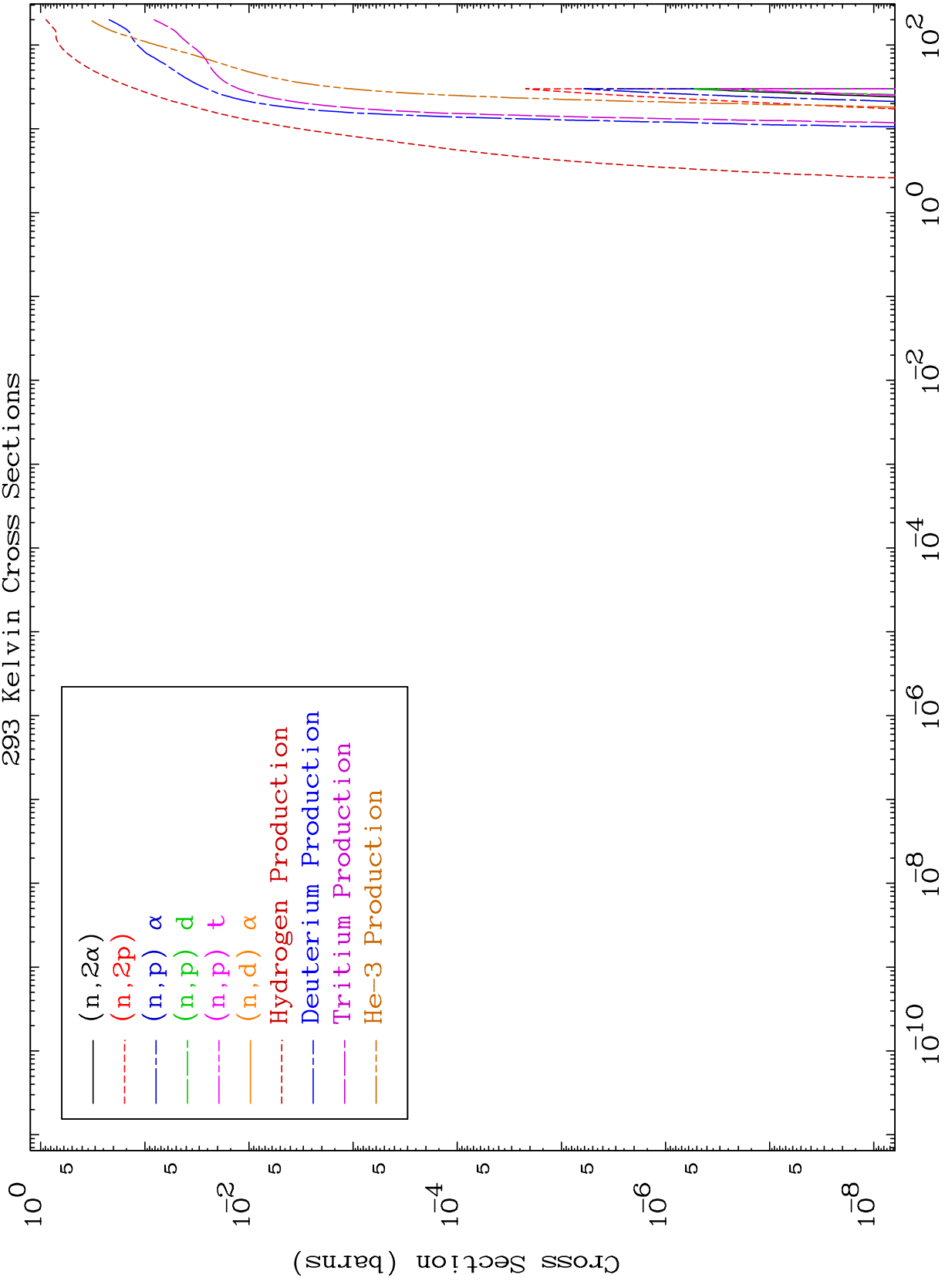
50-Sn-117



MAT 5040

Neutron Absorption  
293 Kelvin Cross Sections

50-Sn-117

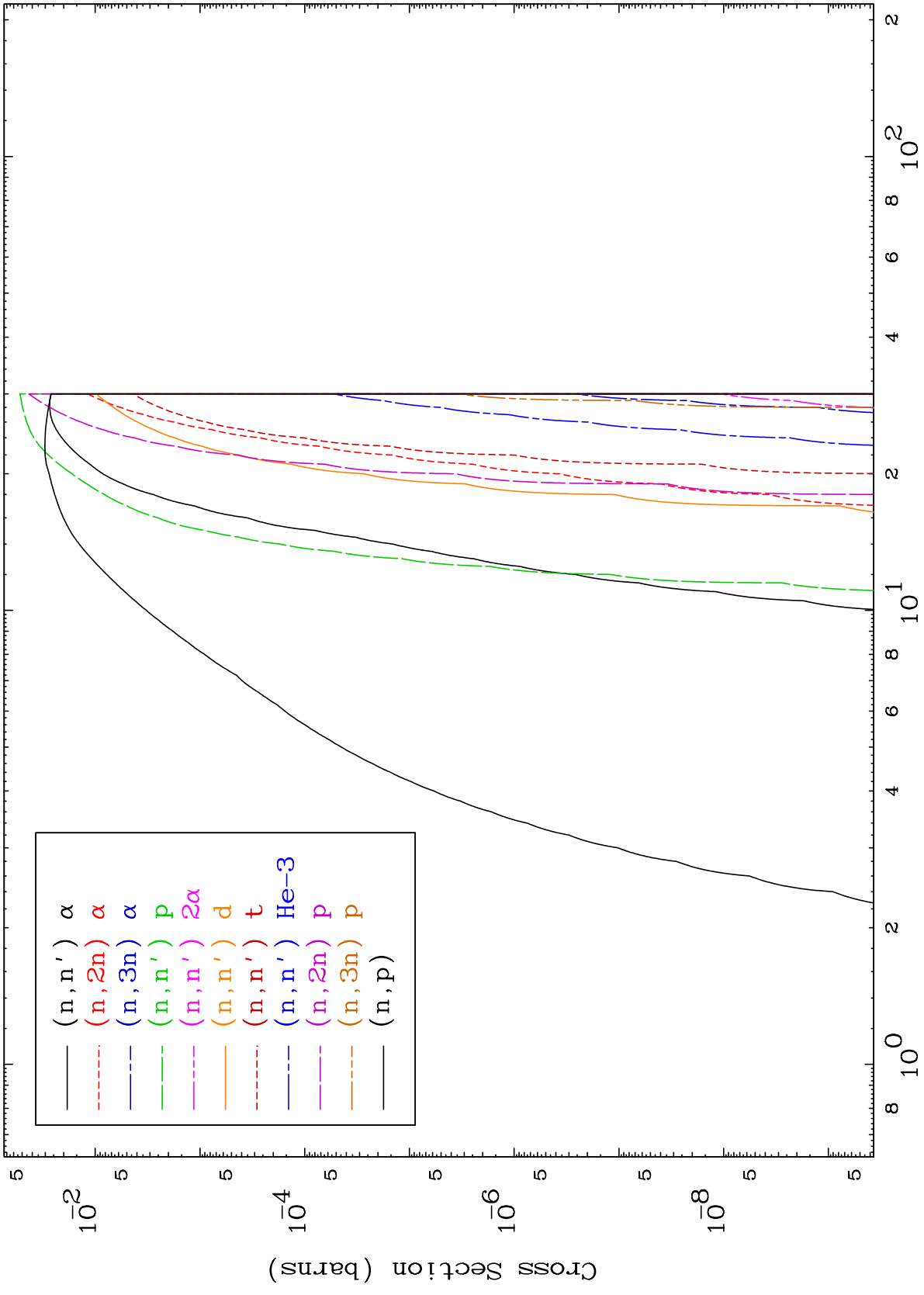


50-Sn-117

MAT 5040

293 Kelvin Cross Sections

50-Sn-117



5

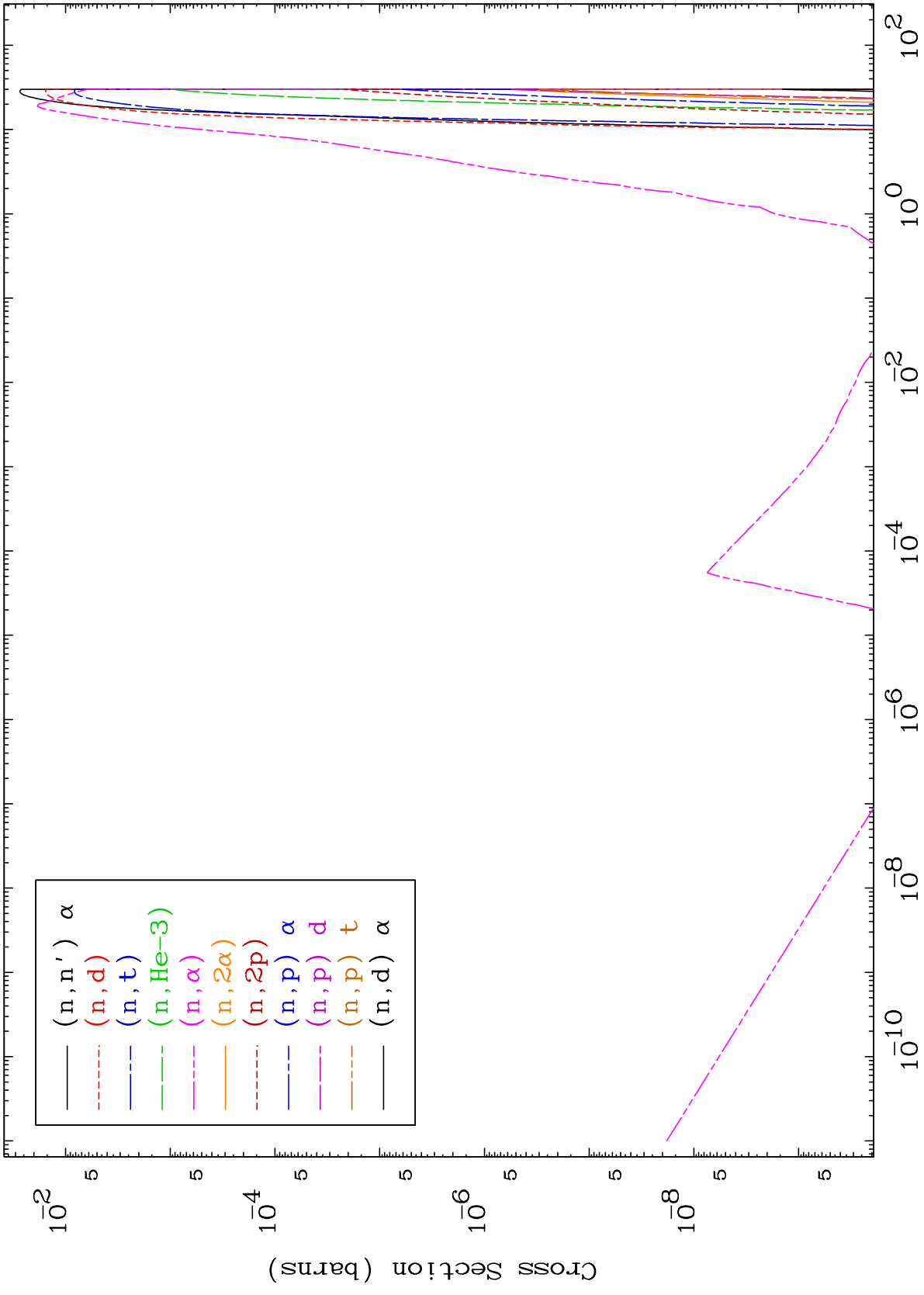
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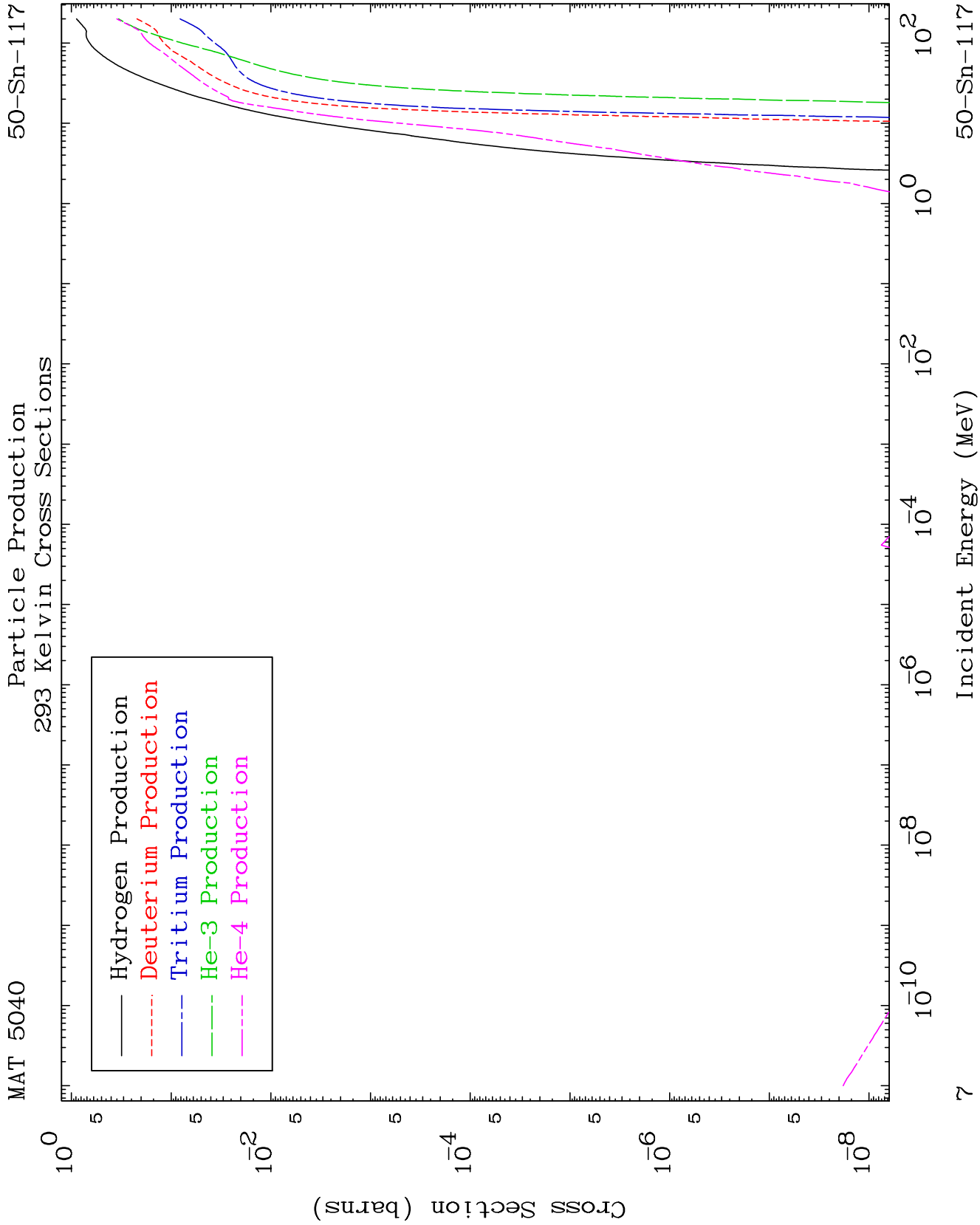
50-Sn-117

MAT 5040

293 Kelvin Cross Sections

50-Sn-117



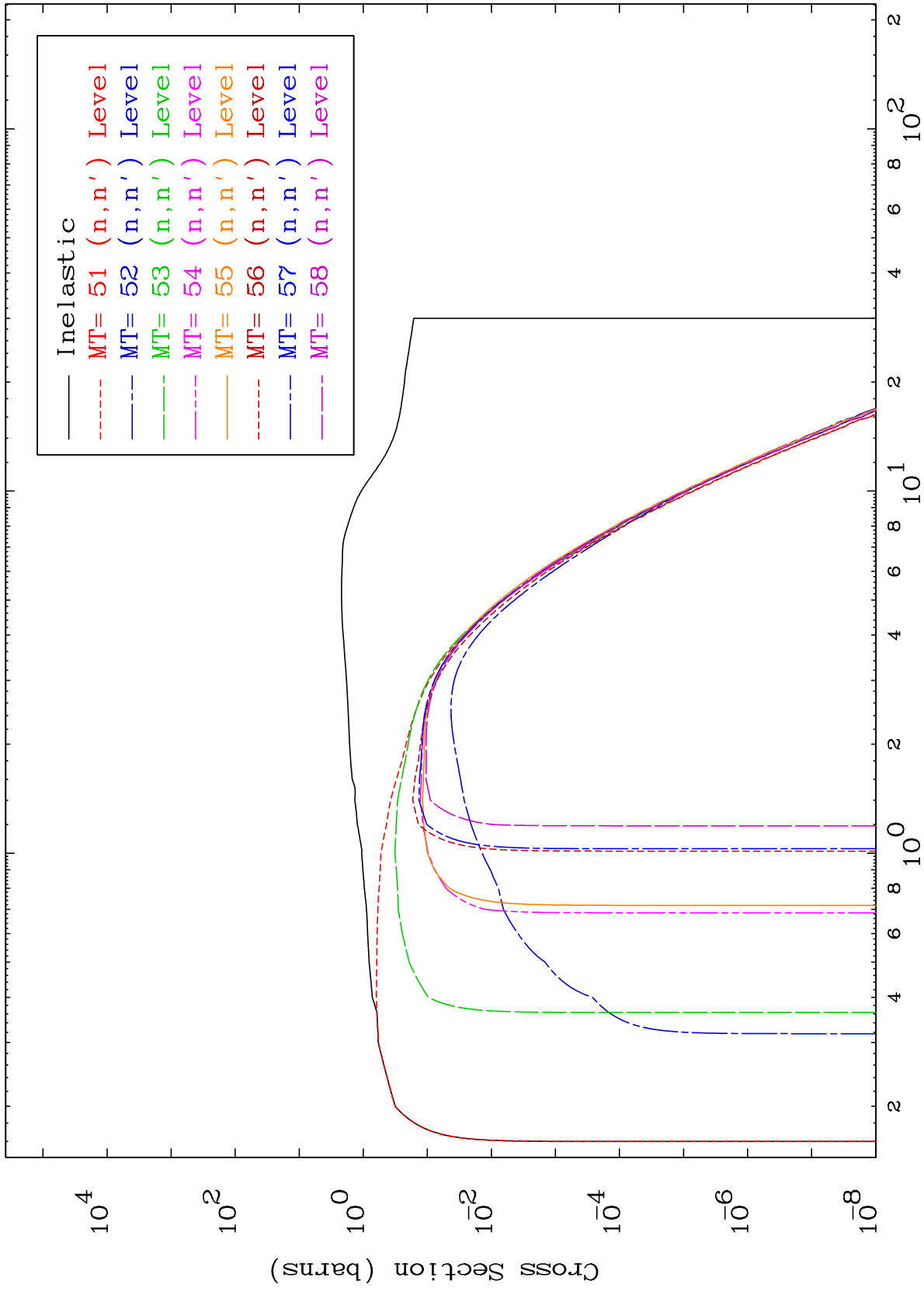




MAT 5040

(n,n') Levels  
293 Kelvin Cross Sections

50-Sn-117



8

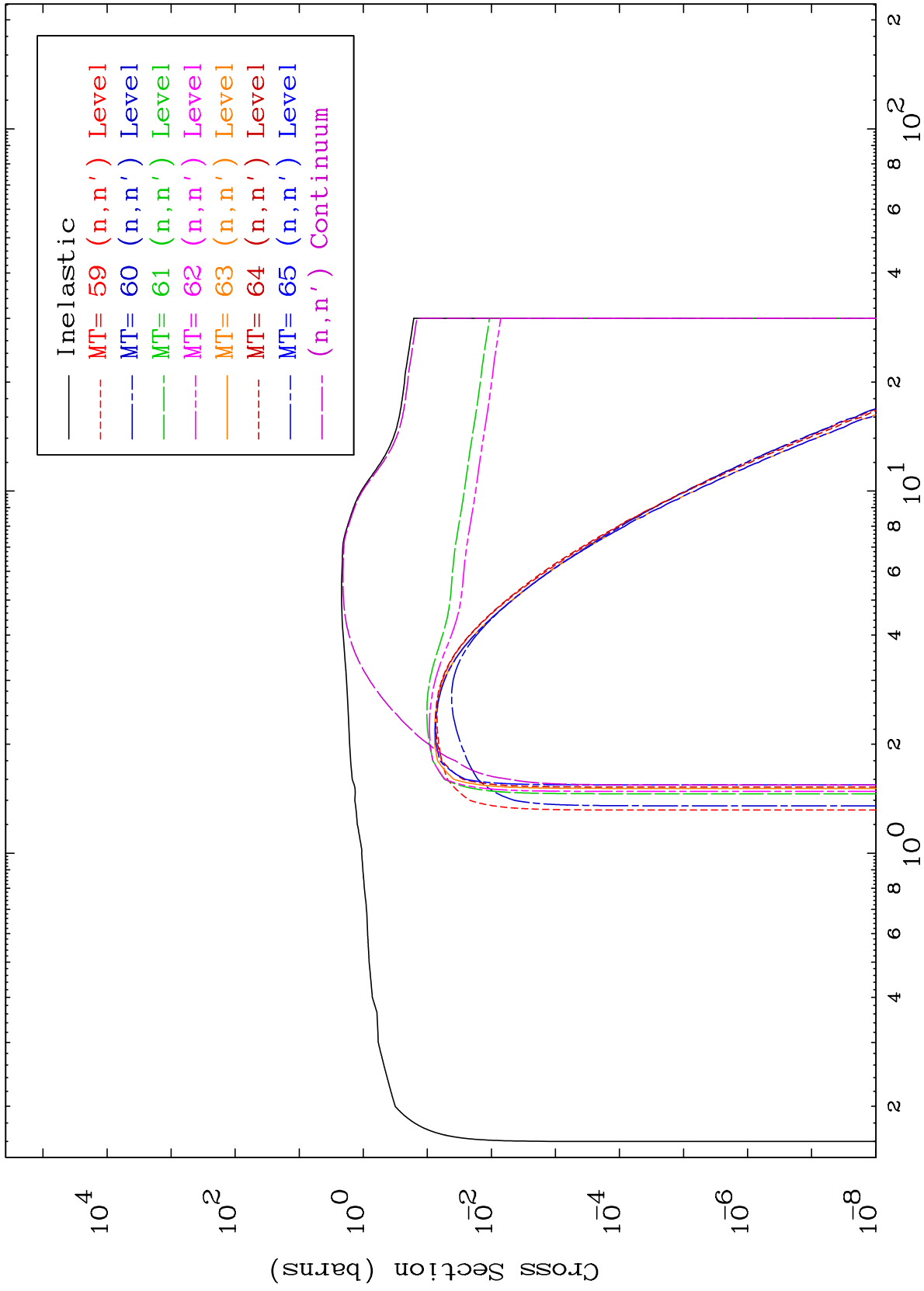
Incident Energy (MeV)

50-Sn-117

MAT 5040

(n,n') Levels  
293 Kelvin Cross Sections

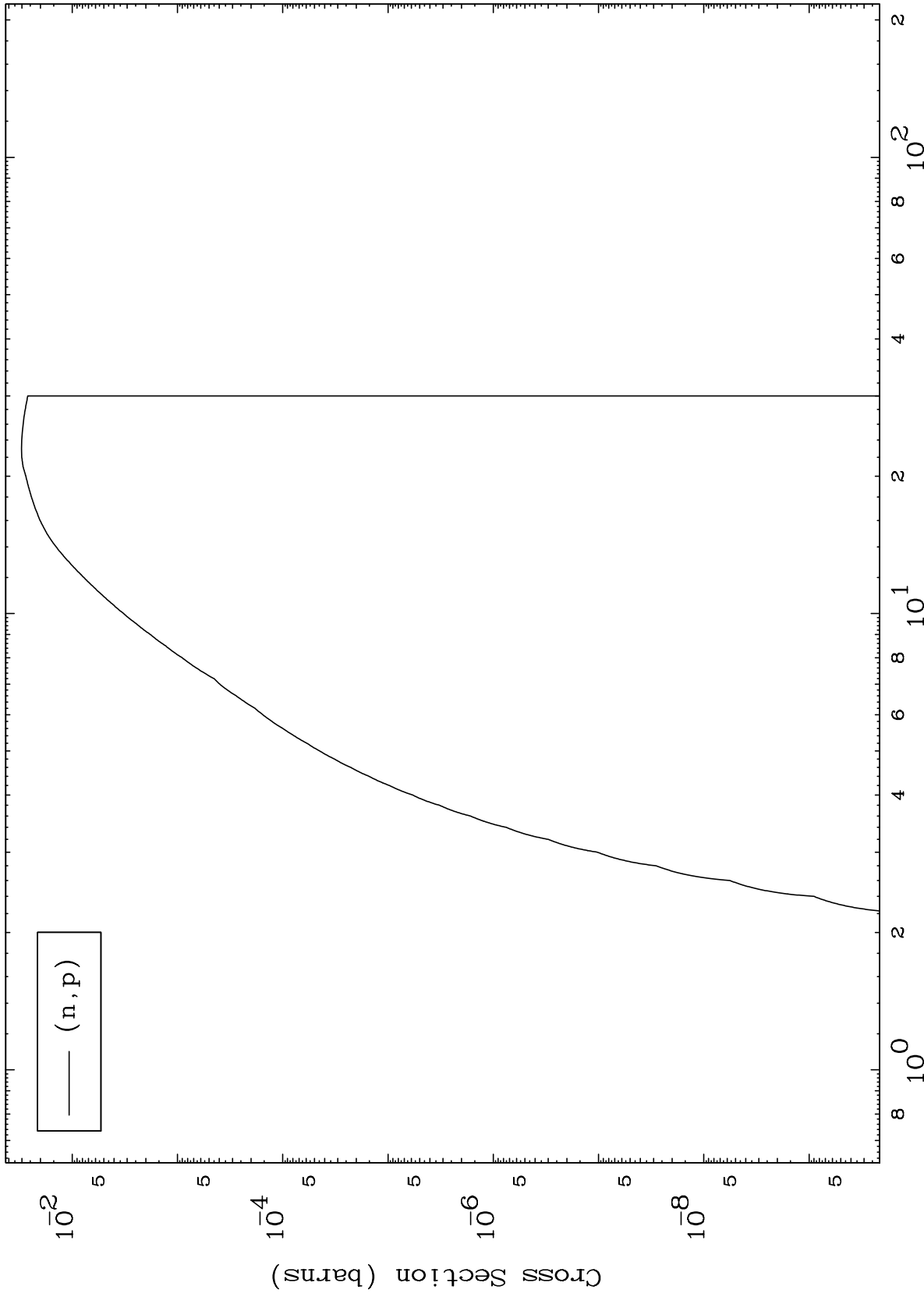
50-Sn-117



MAT 5040

(n,p) Levels  
293 Kelvin Cross Sections

50-Sn-117



10

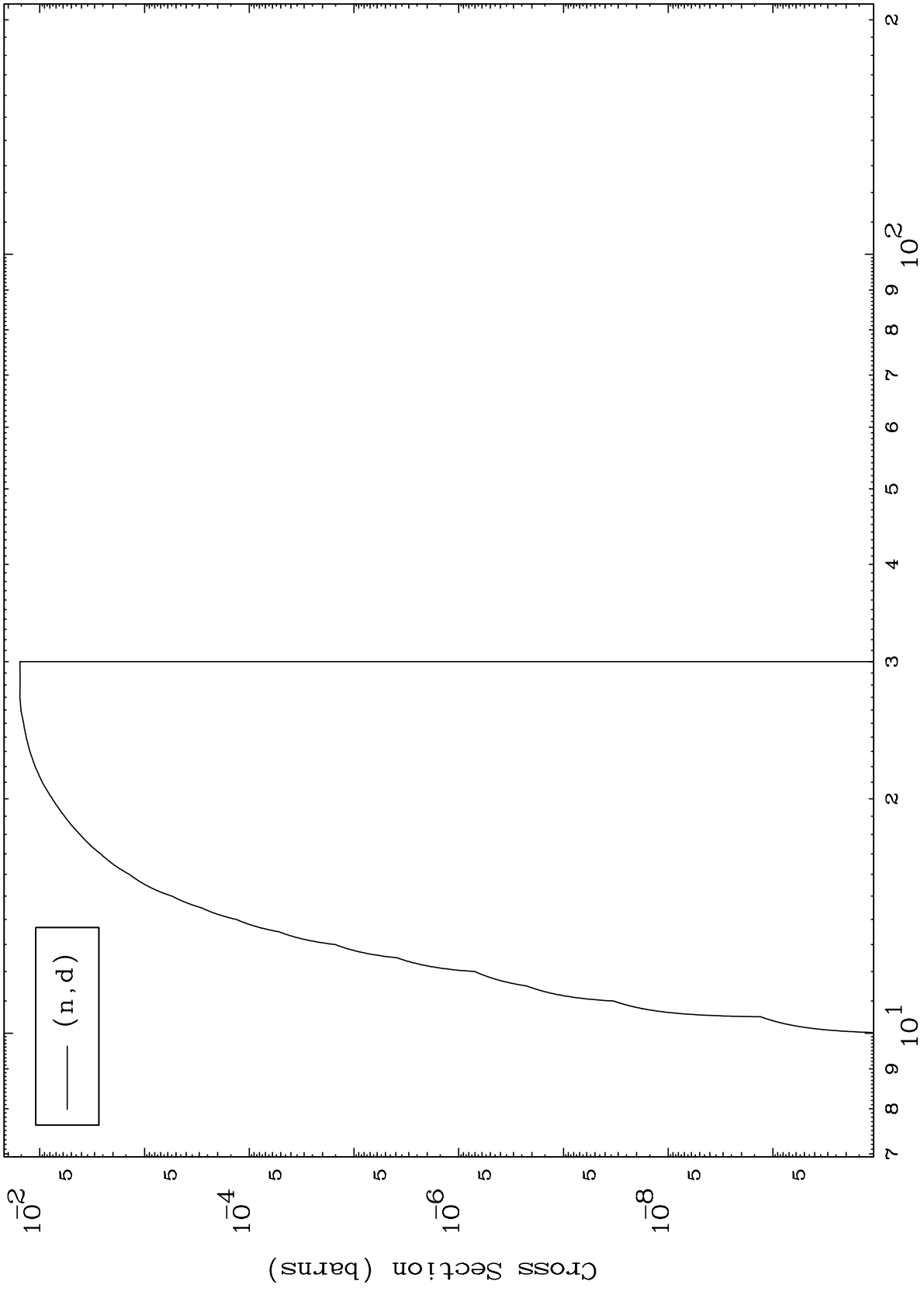
Incident Energy (MeV)

50-Sn-117

MAT 5040

(n,d) Levels  
293 Kelvin Cross Sections

50-Sn-117



11

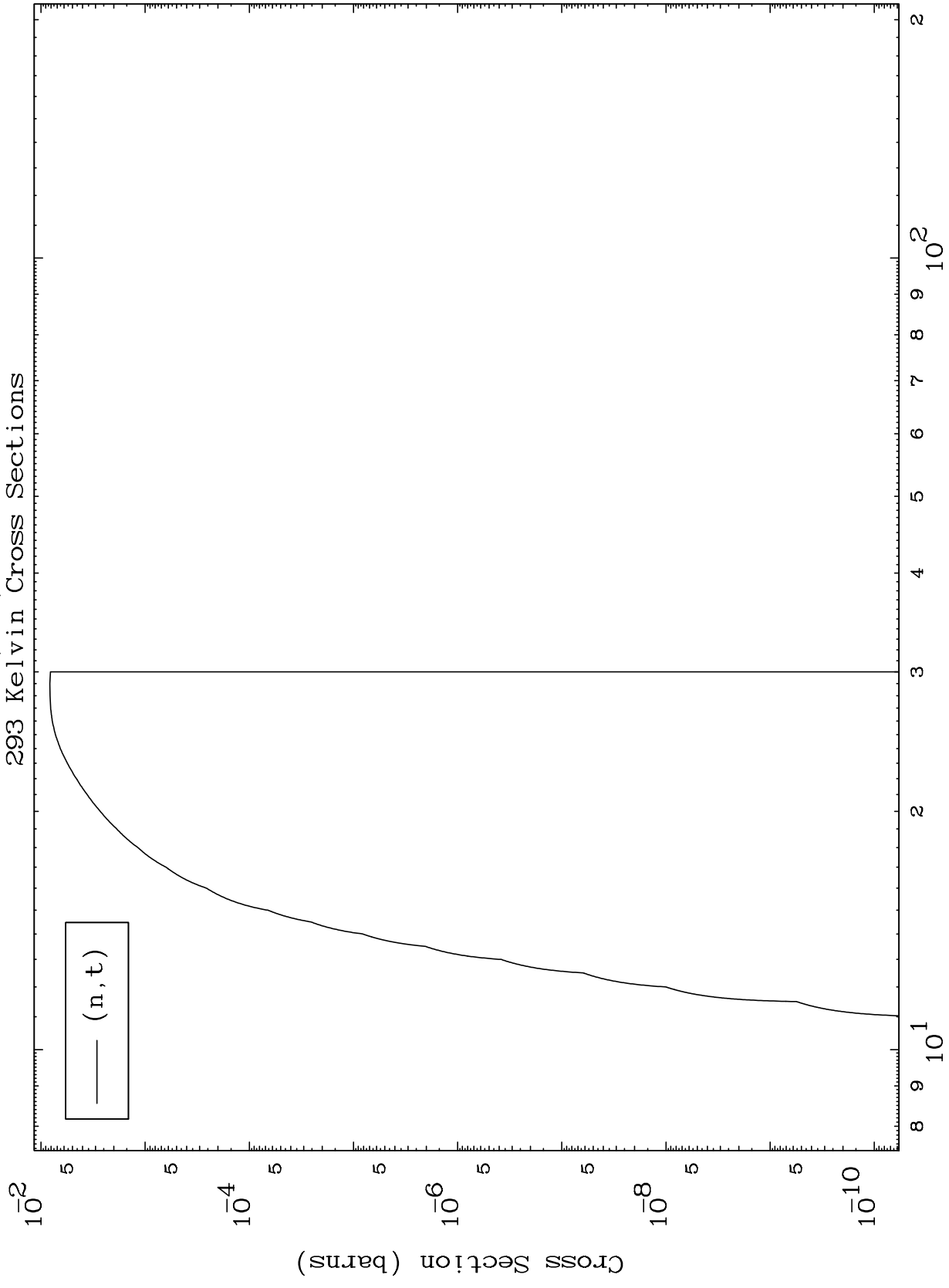
Incident Energy (MeV)

50-Sn-117

MAT 5040

(n,t) Levels  
293 Kelvin Cross Sections

50-Sn-117



12

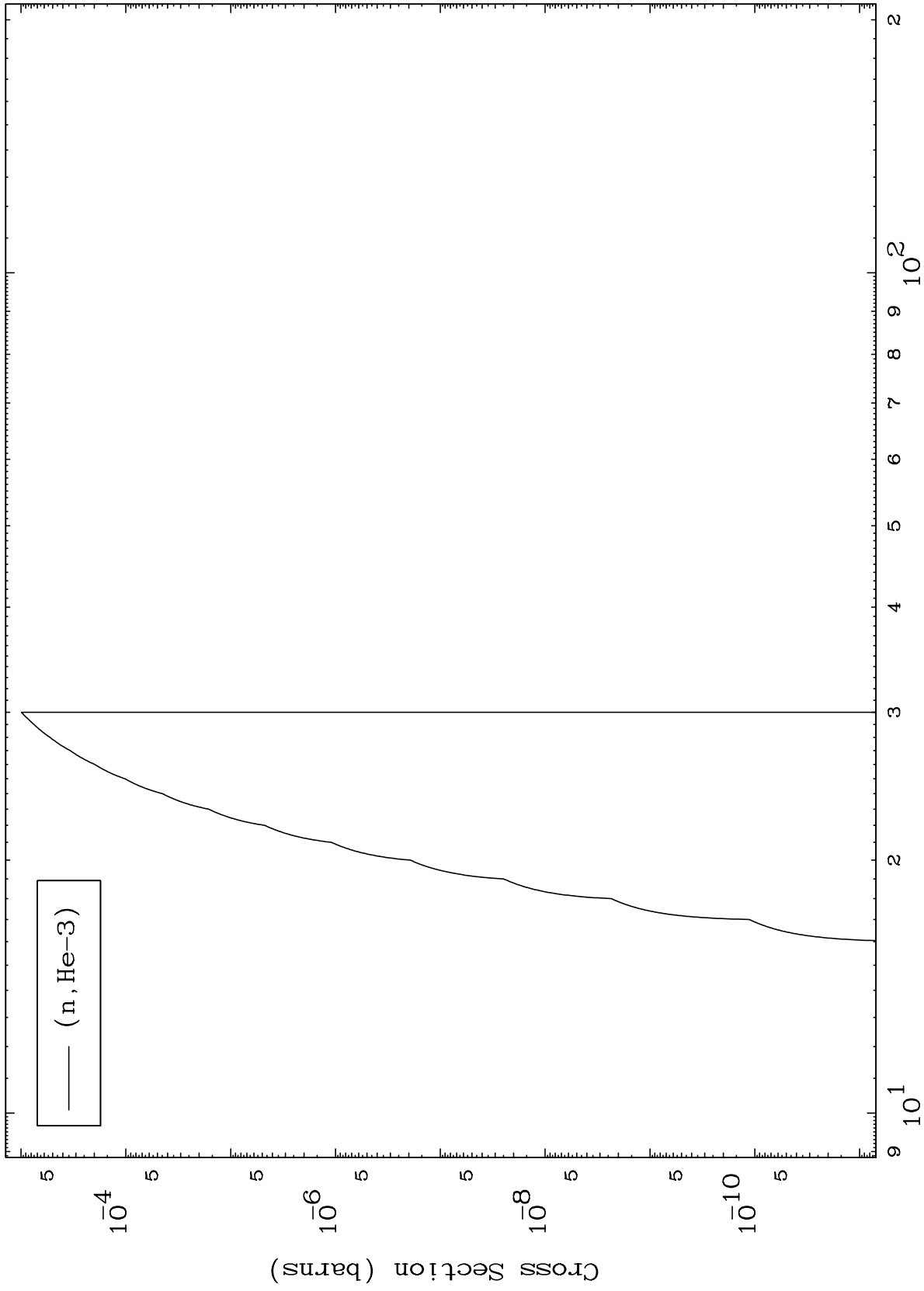
Incident Energy (MeV)

50-Sn-117

MAT 5040

(n,He3) Levels  
293 Kelvin Cross Sections

50-Sn-117



13

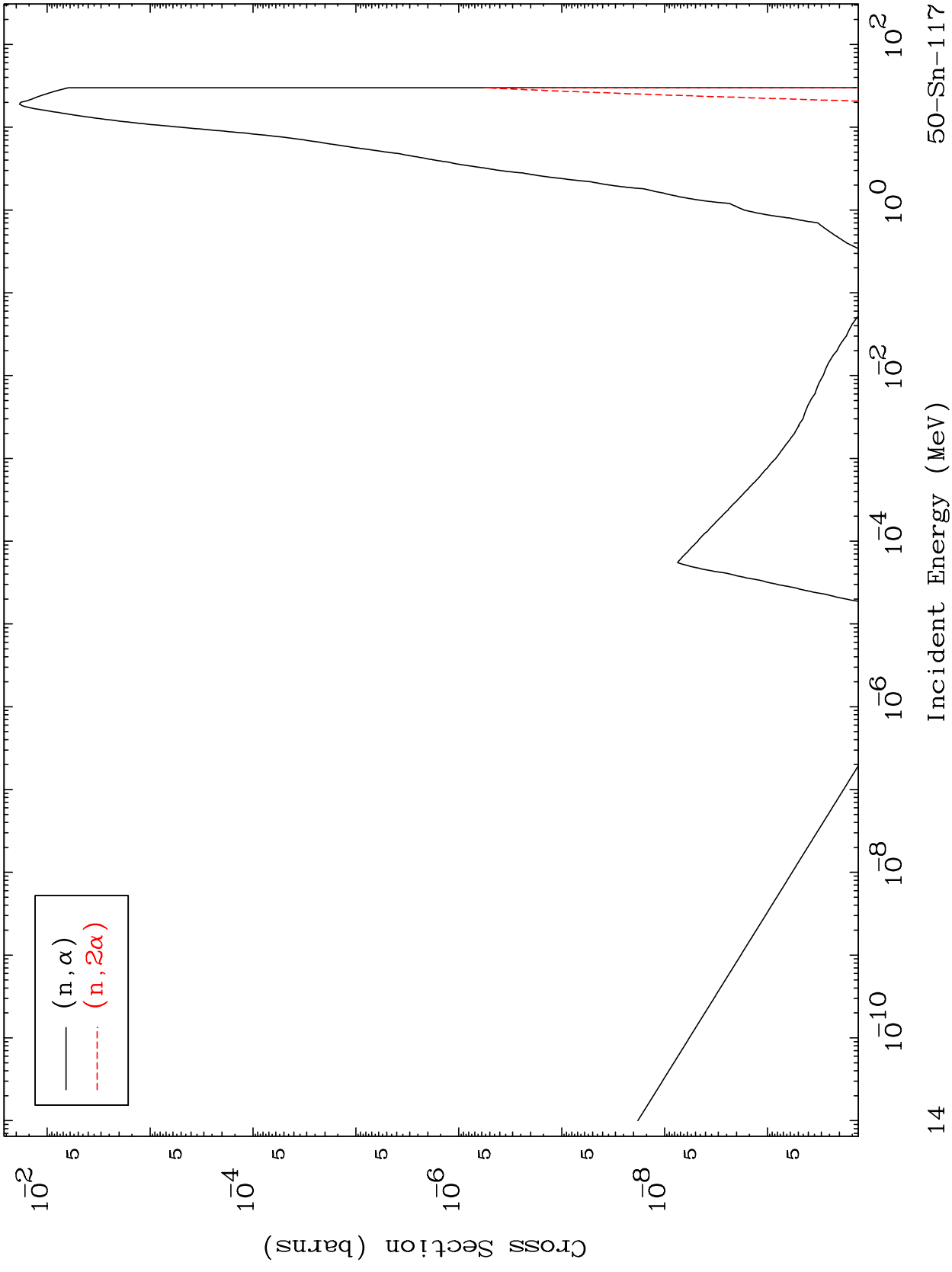
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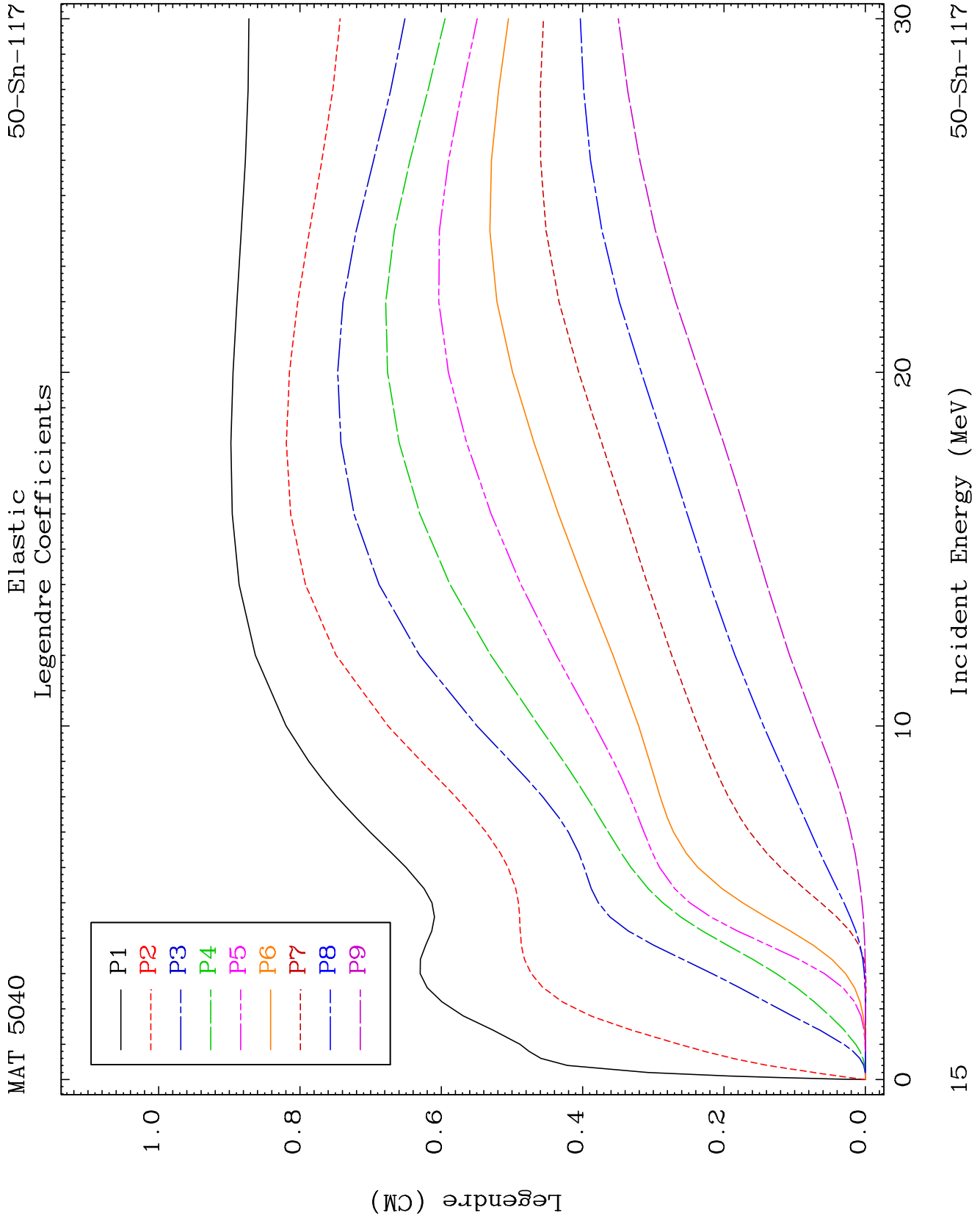
50-Sn-117

MAT 5040

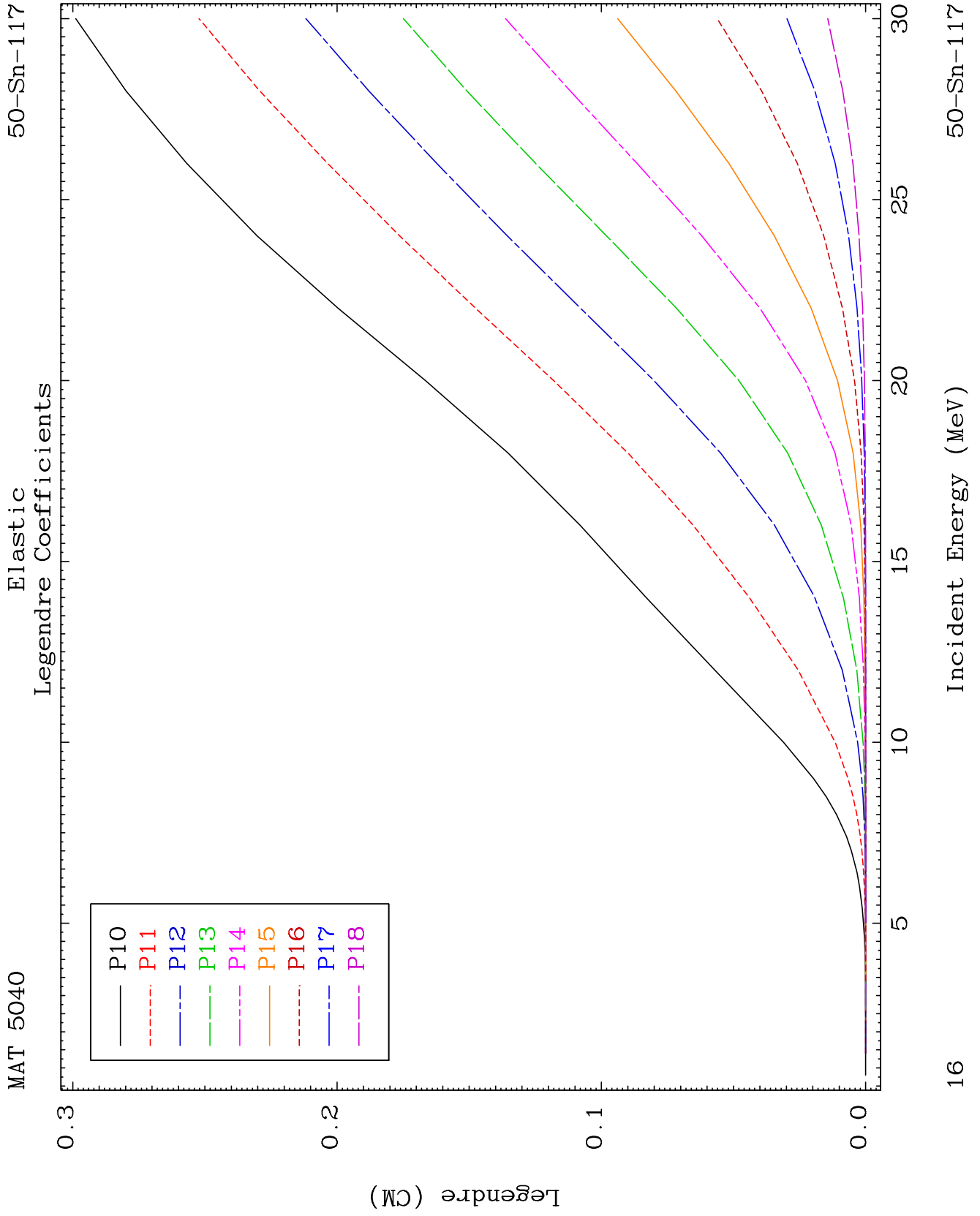
(n,α) Levels  
293 Kelvin Cross Sections

50-Sn-117





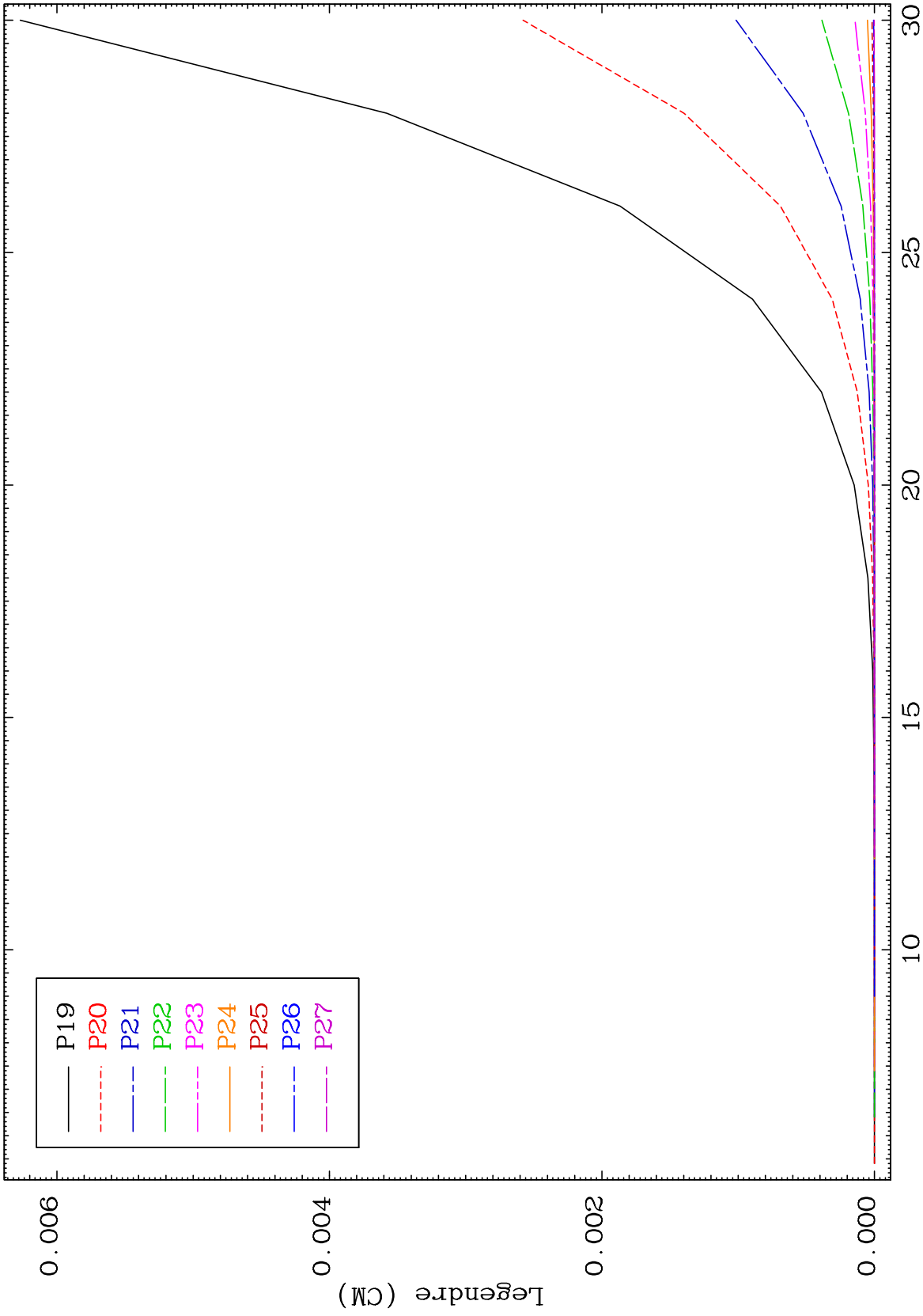




MAT 5040

Elastic Legendre Coefficients

50-Sn-117



17

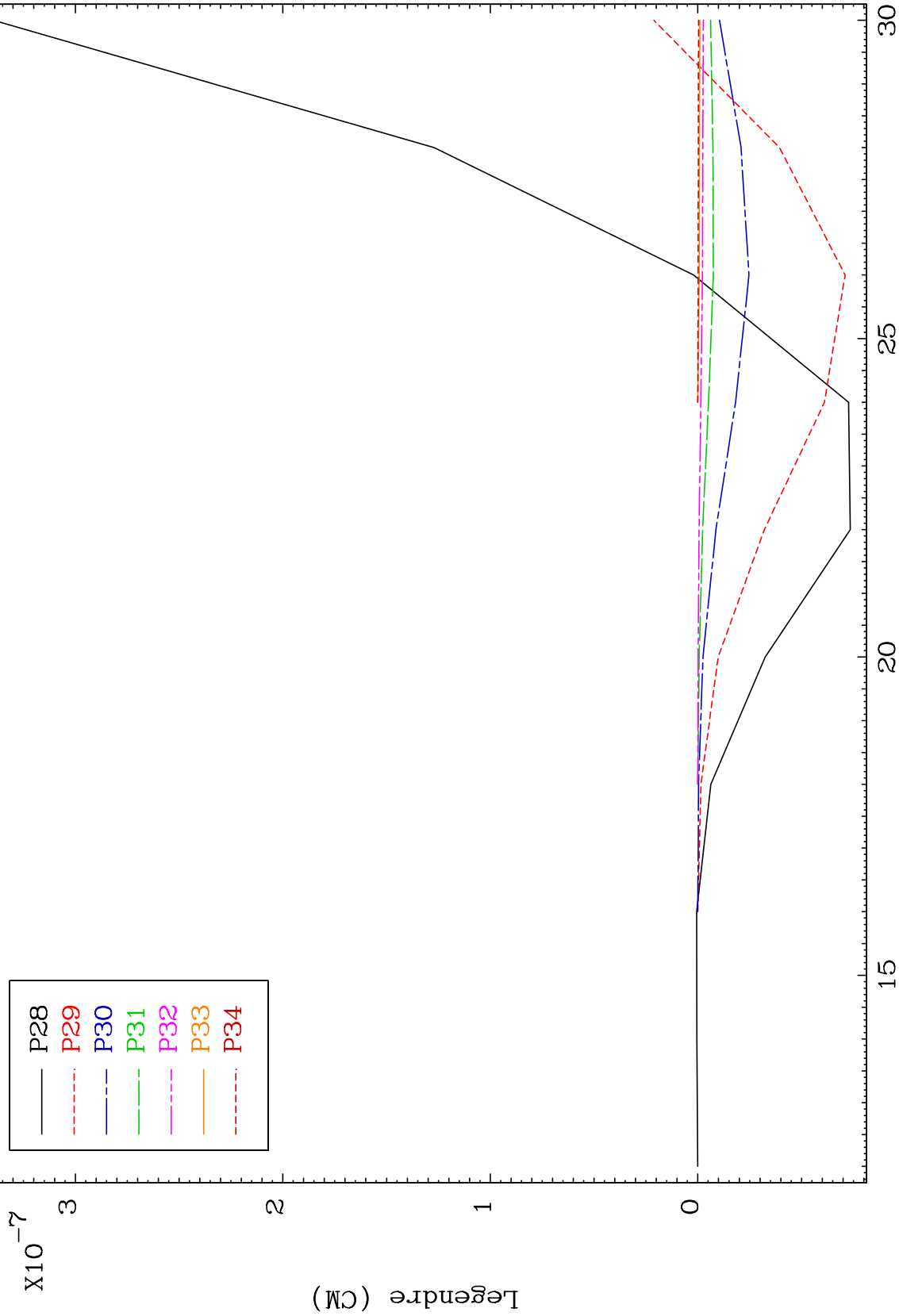
Incident Energy (MeV)

50-Sn-117

MAT 5040

Elastic Legendre Coefficients

50-Sn-117

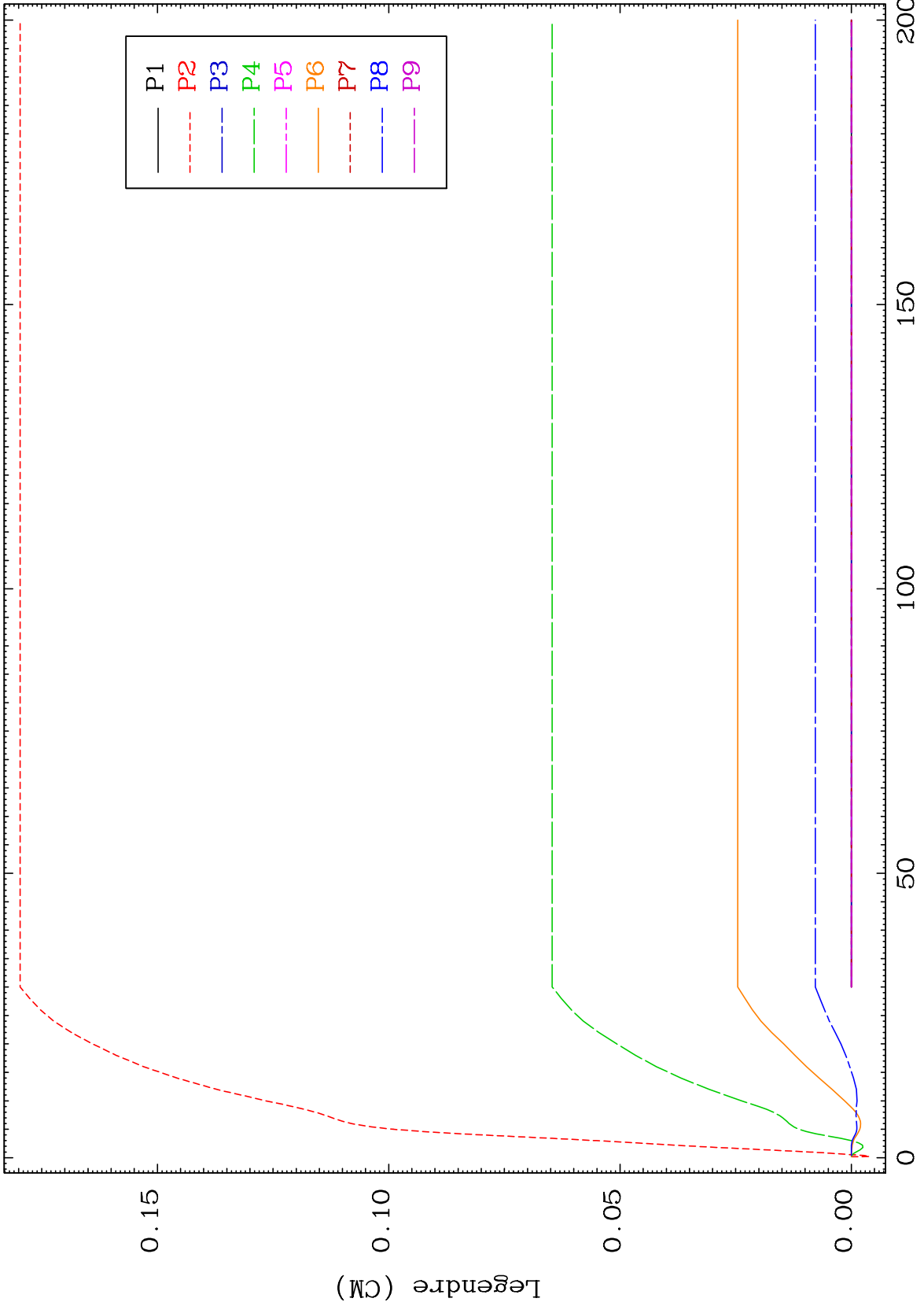


18

Incident Energy (MeV)

50-Sn-117

MAT 5040 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-117

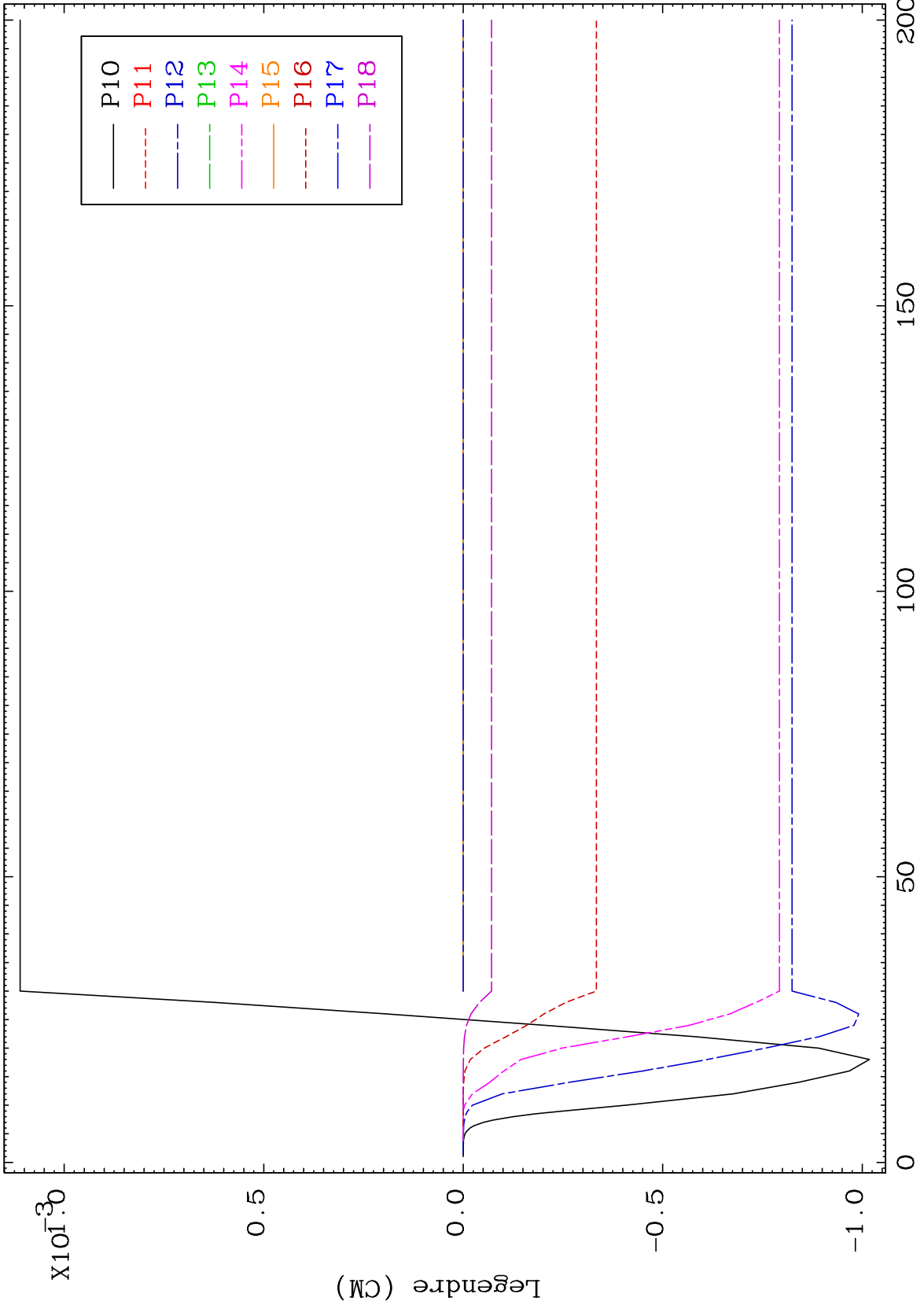


19 Incident Energy (MeV) 50-Sn-117

MAT 5040

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

50-Sn-117



0

50

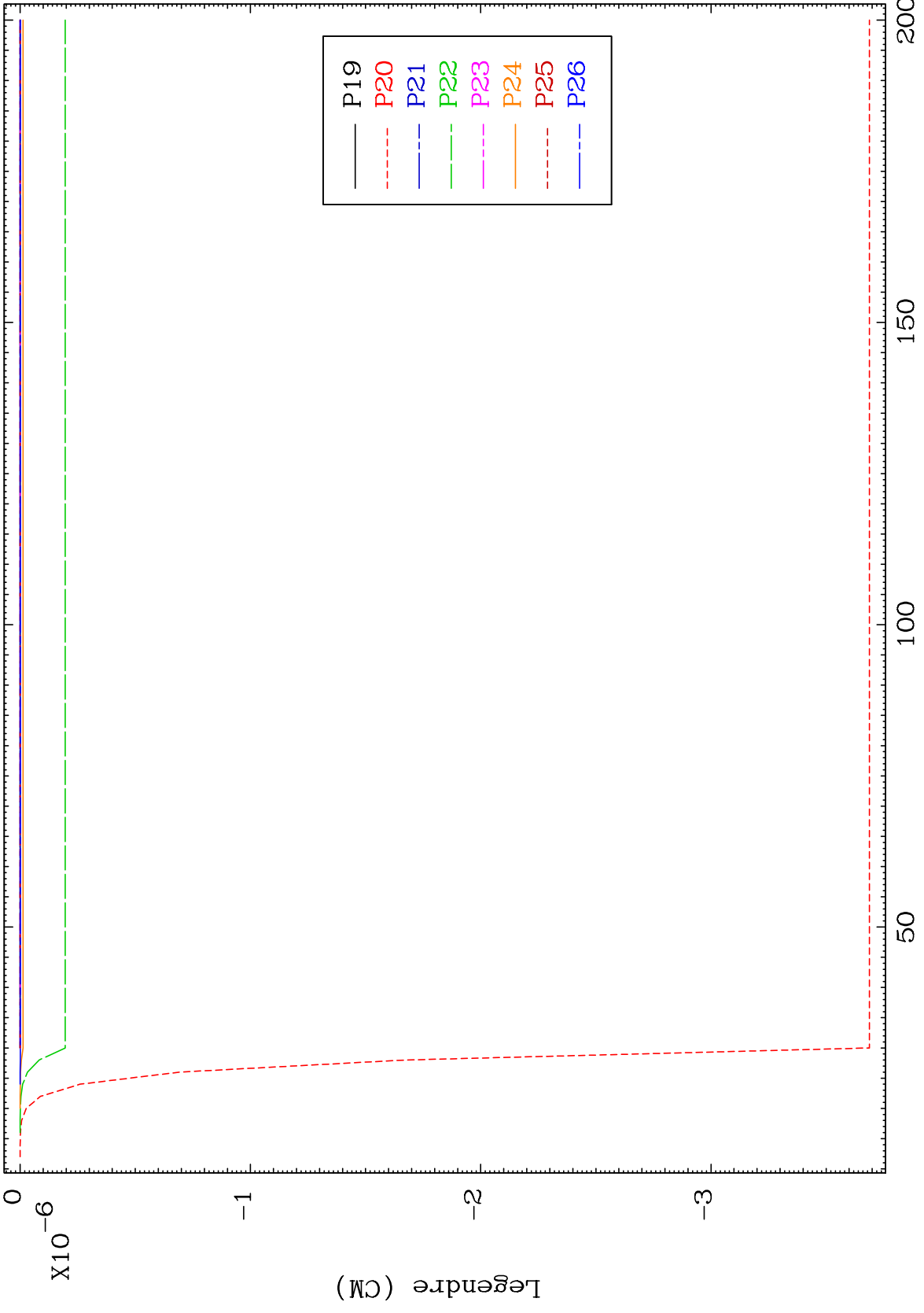
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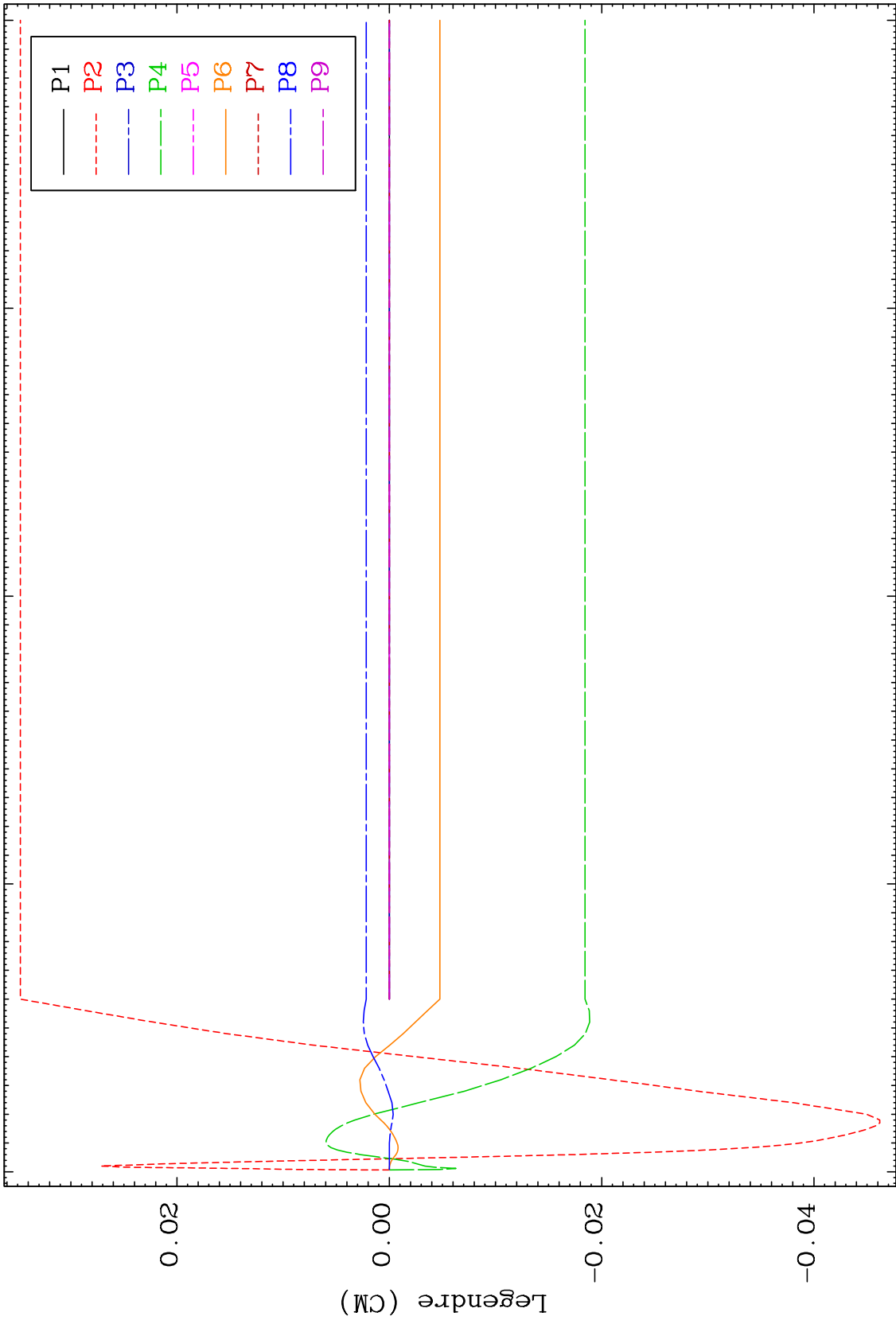
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50-Sn-117

MAT 5040 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-117



MAT 5040 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-117

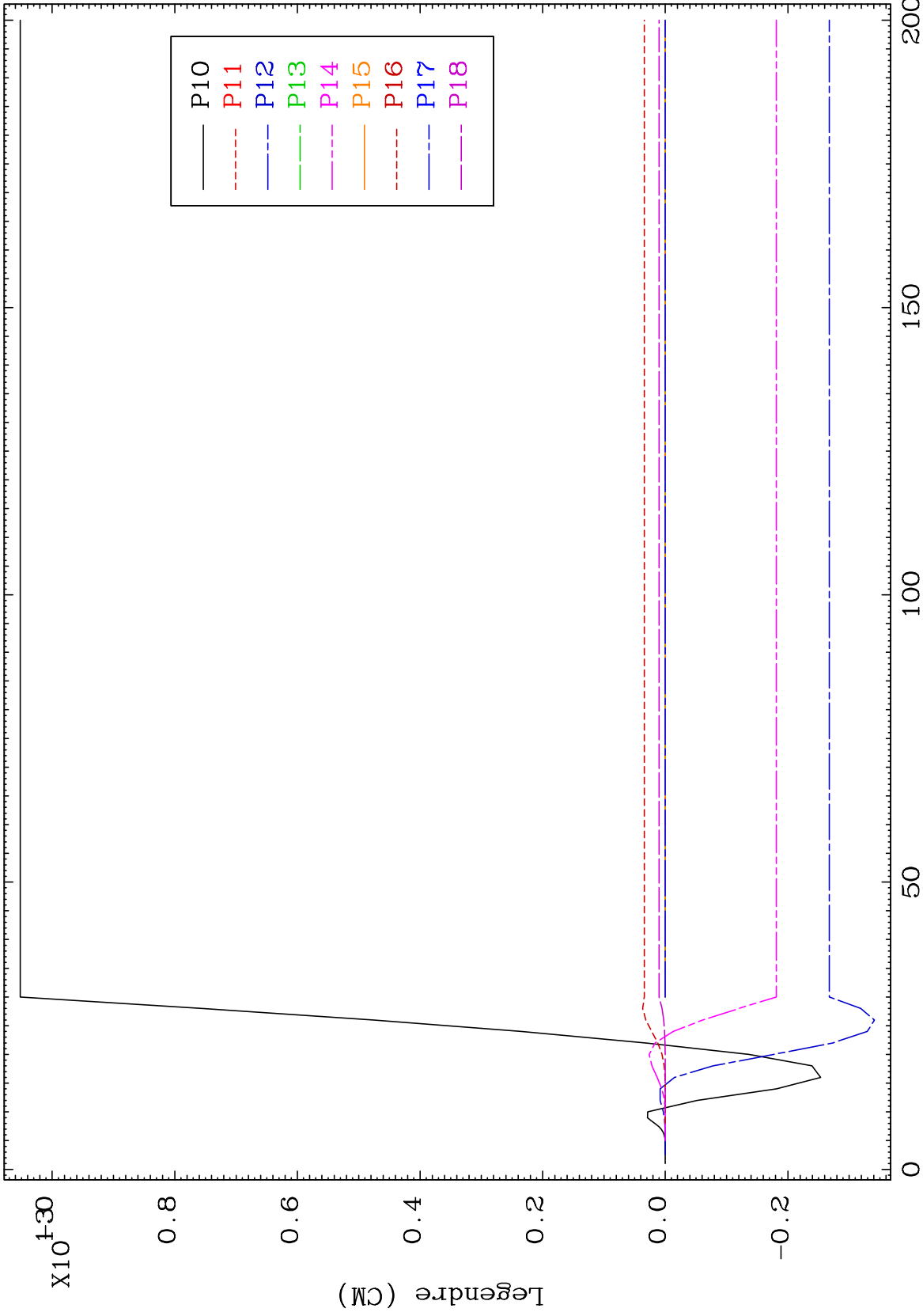


22 50-Sn-117

MAT 5040

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

50-Sn-117



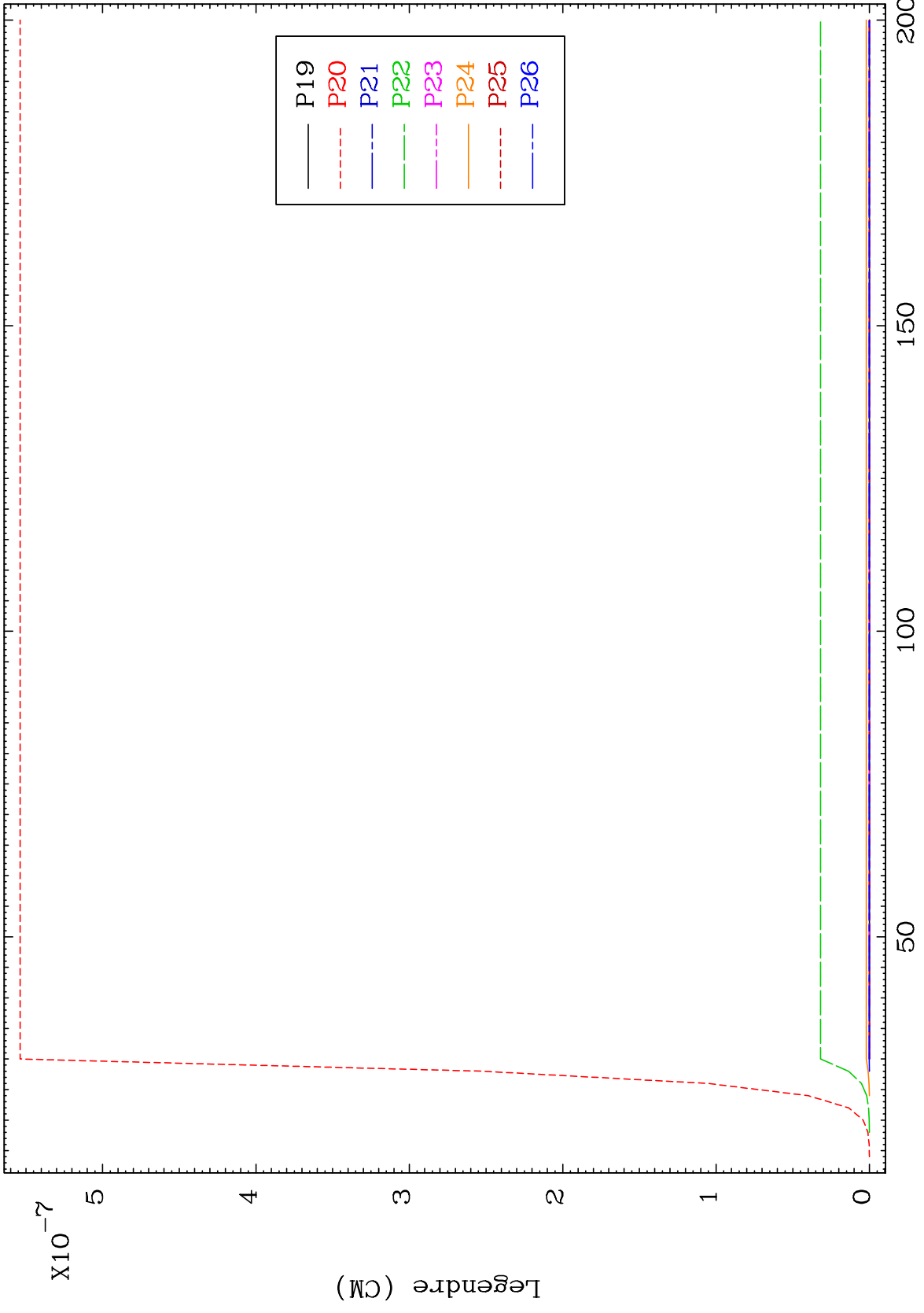
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Incident Energy (MeV)

50-Sn-117



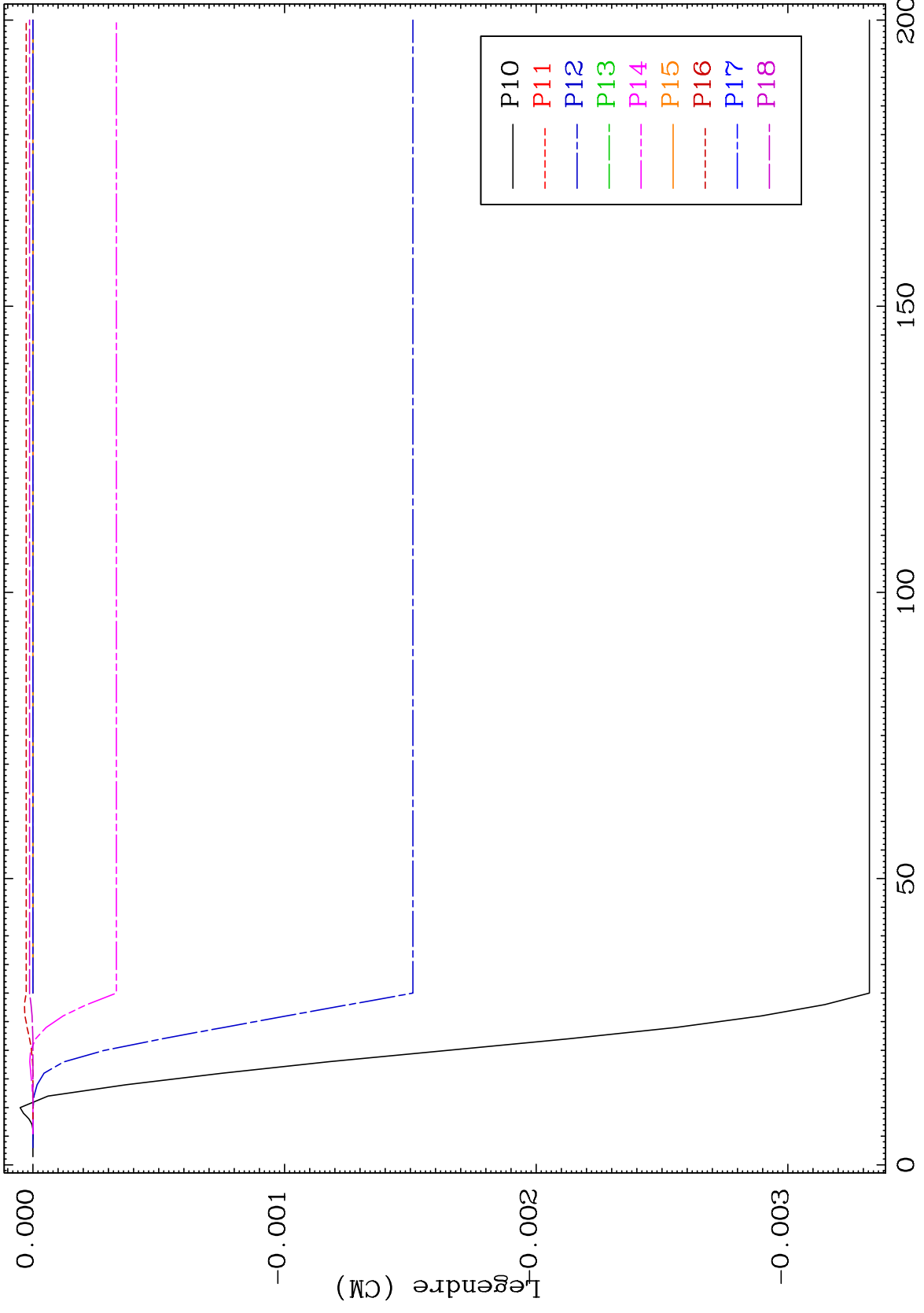
MAT 5040 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-117



24 50-Sn-117

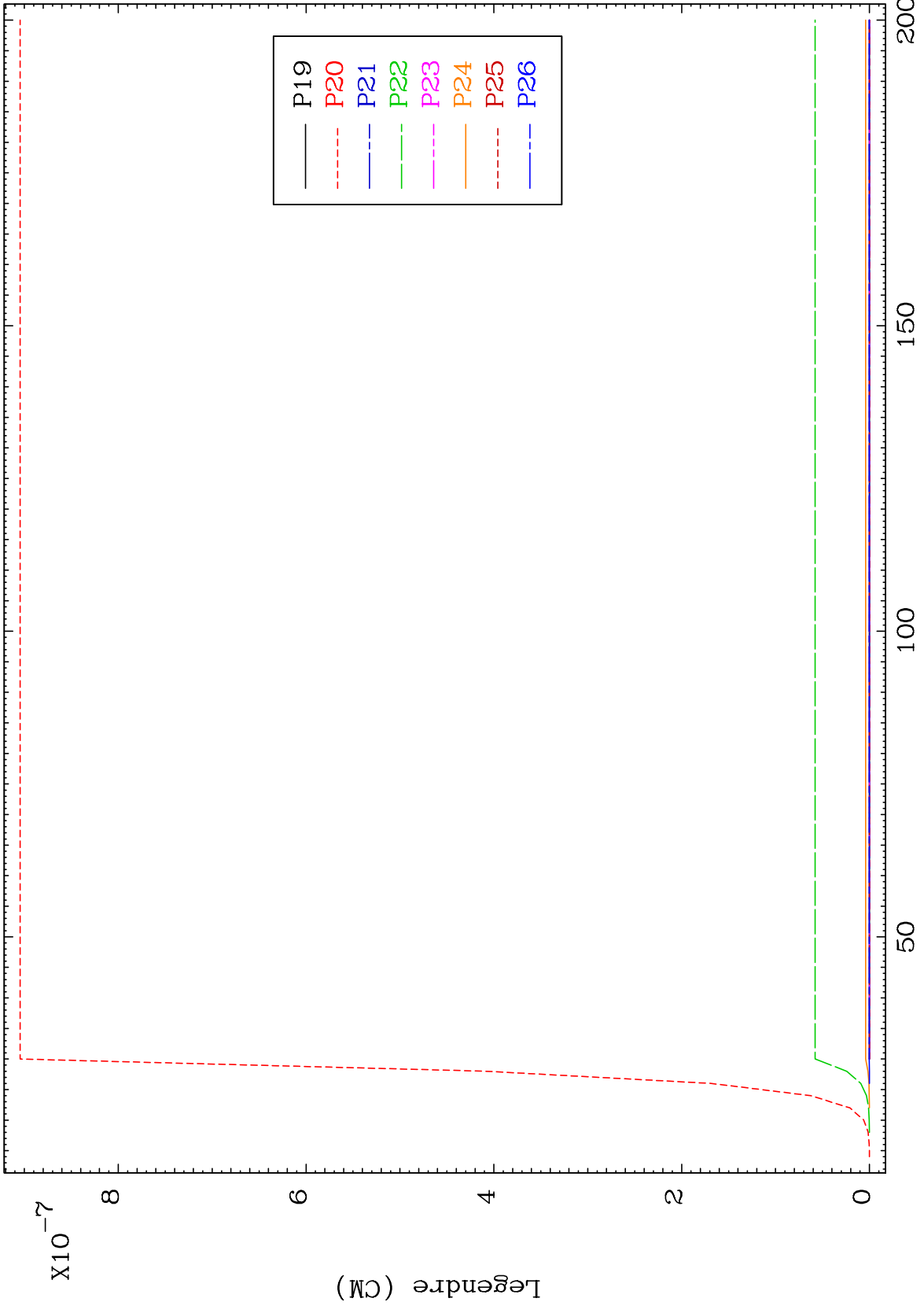


MAT 5040 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-117



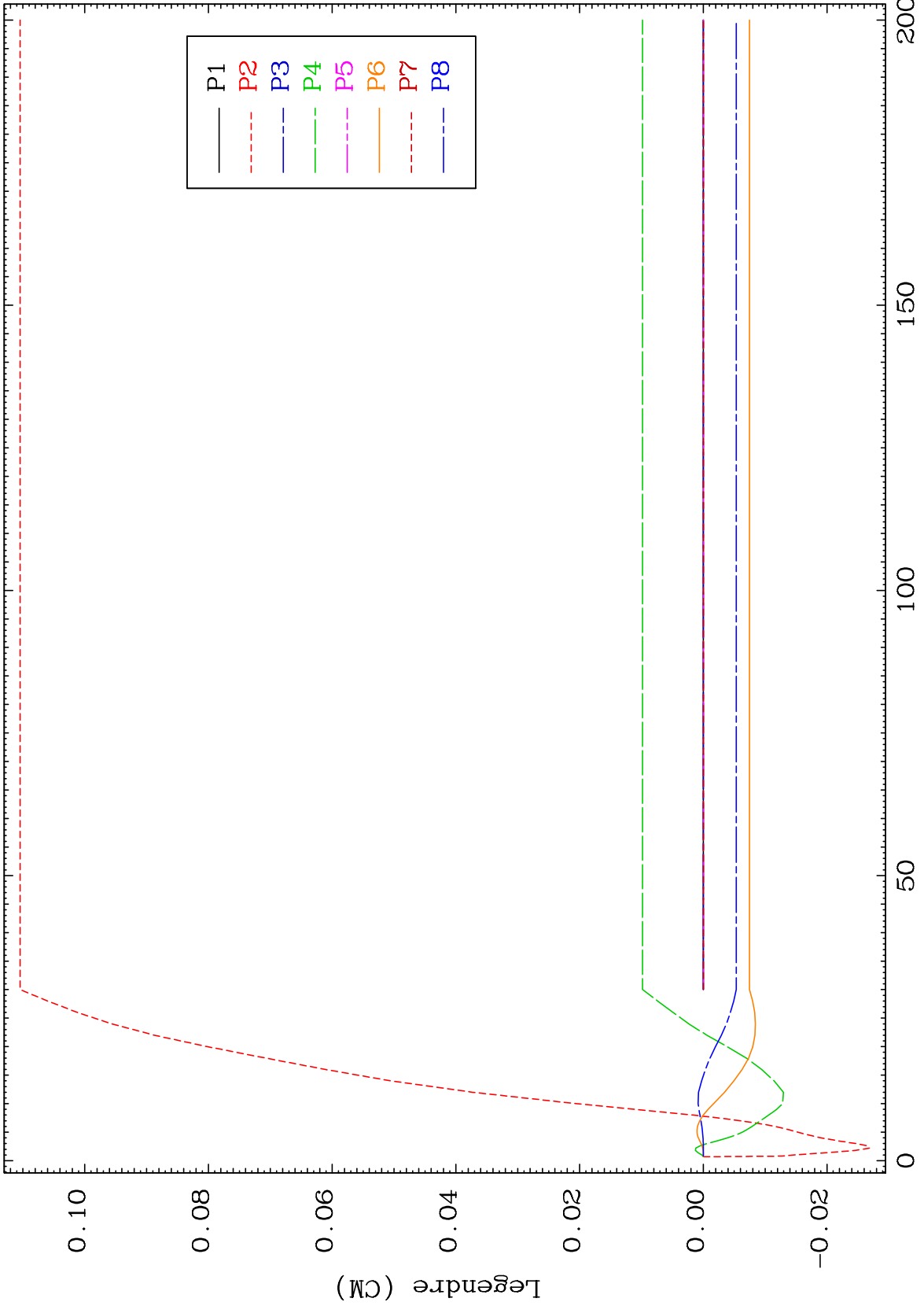
26 50-Sn-117

MAT 5040 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-117



27 50 100 150 200 50-Sn-117

MAT 5040 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-117

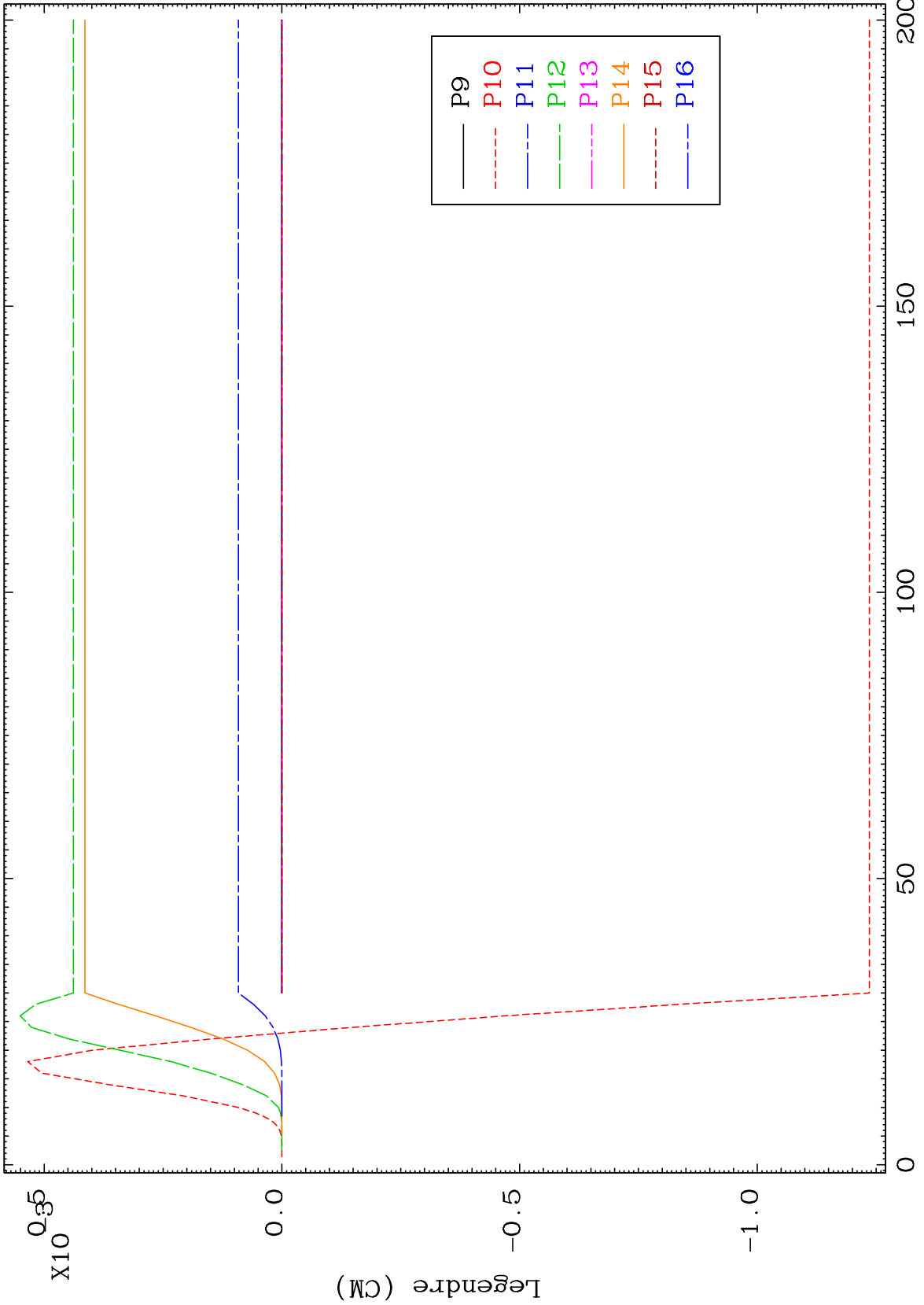


28 50-Sn-117

MAT 5040

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

50-Sn-117



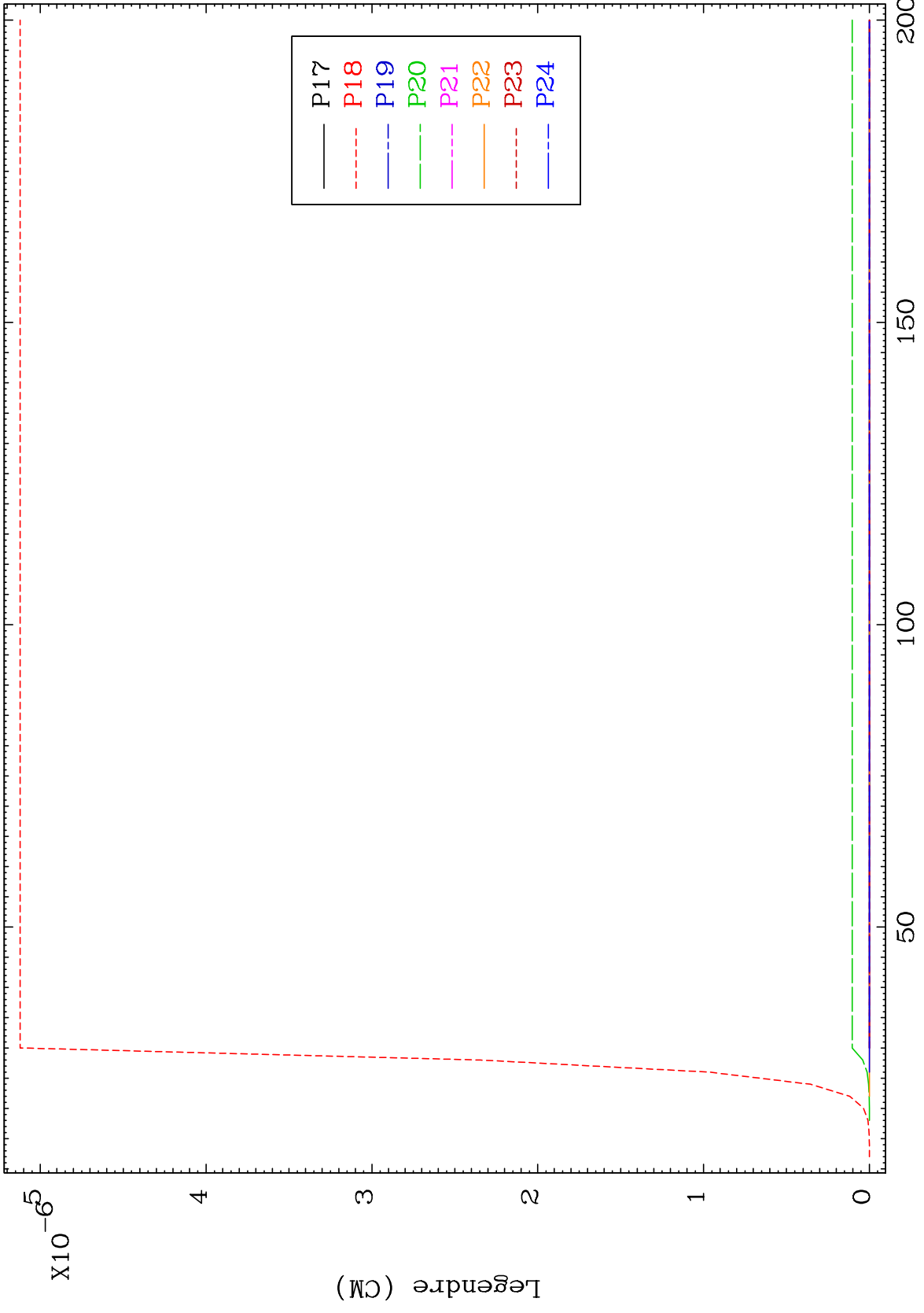
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50-Sn-117

MAT 5040

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

50-Sn-117

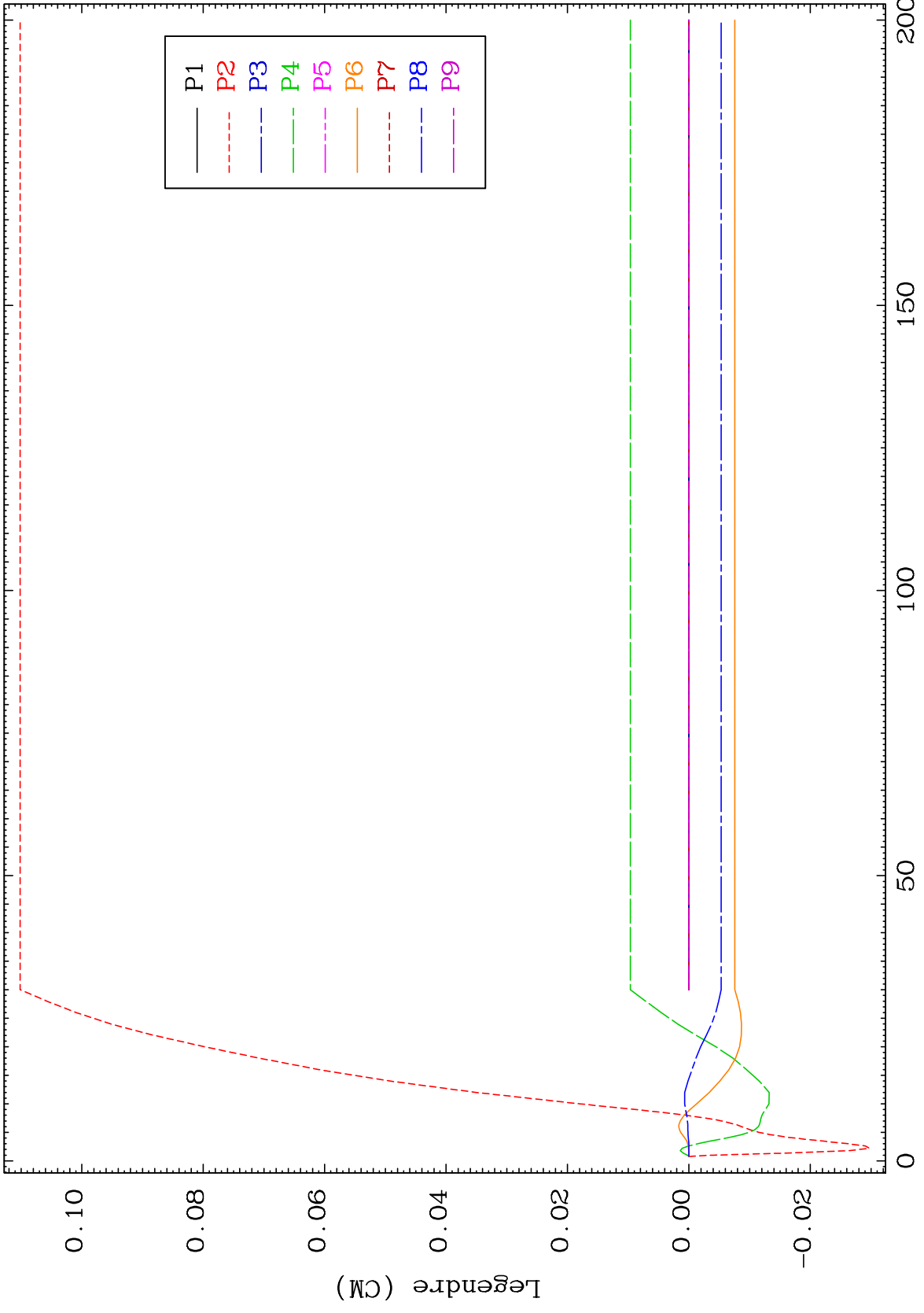


50-Sn-117

Incident Energy (MeV)

30

MAT 5040 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-117

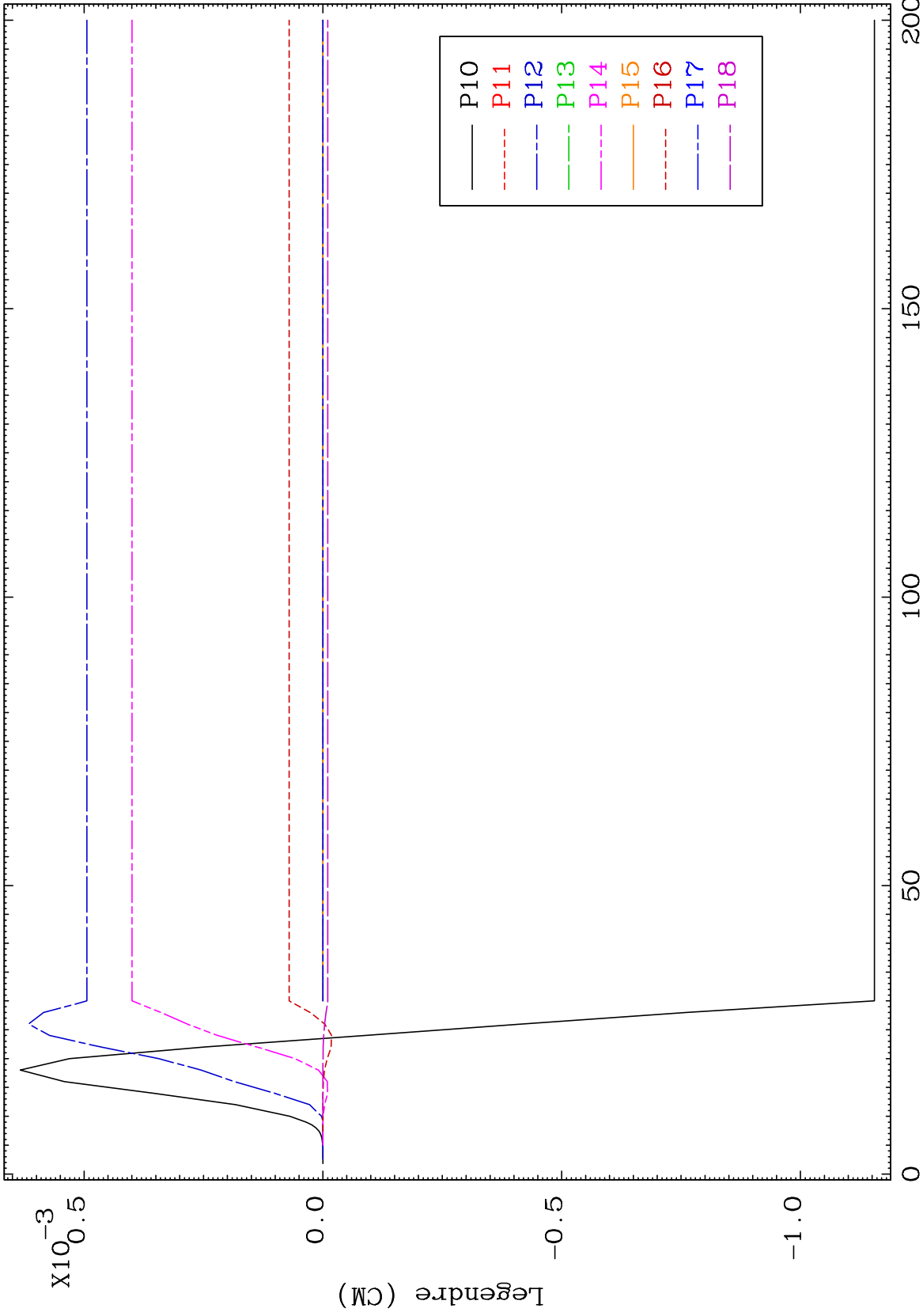




MAT 5040

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

50-Sn-117

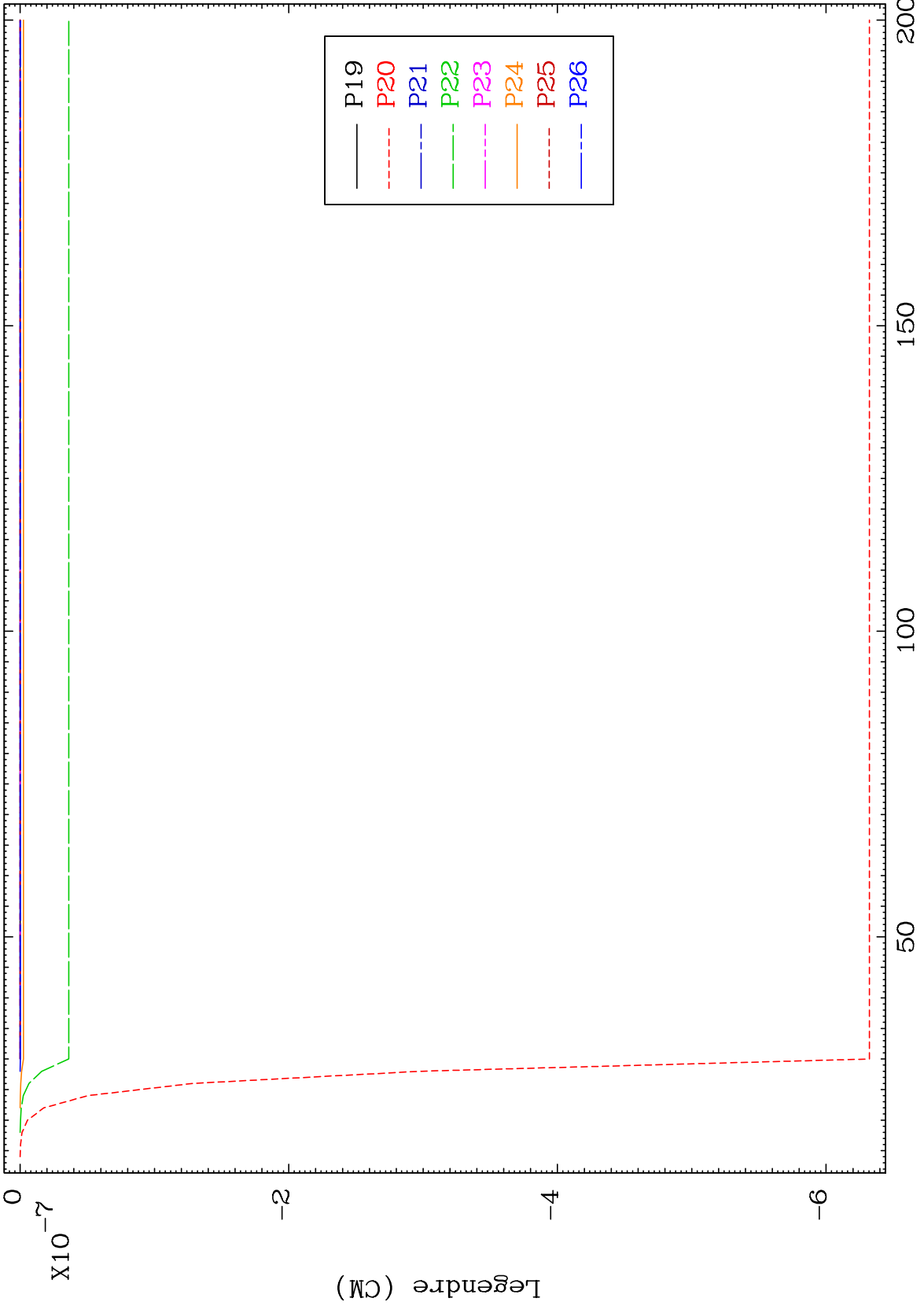


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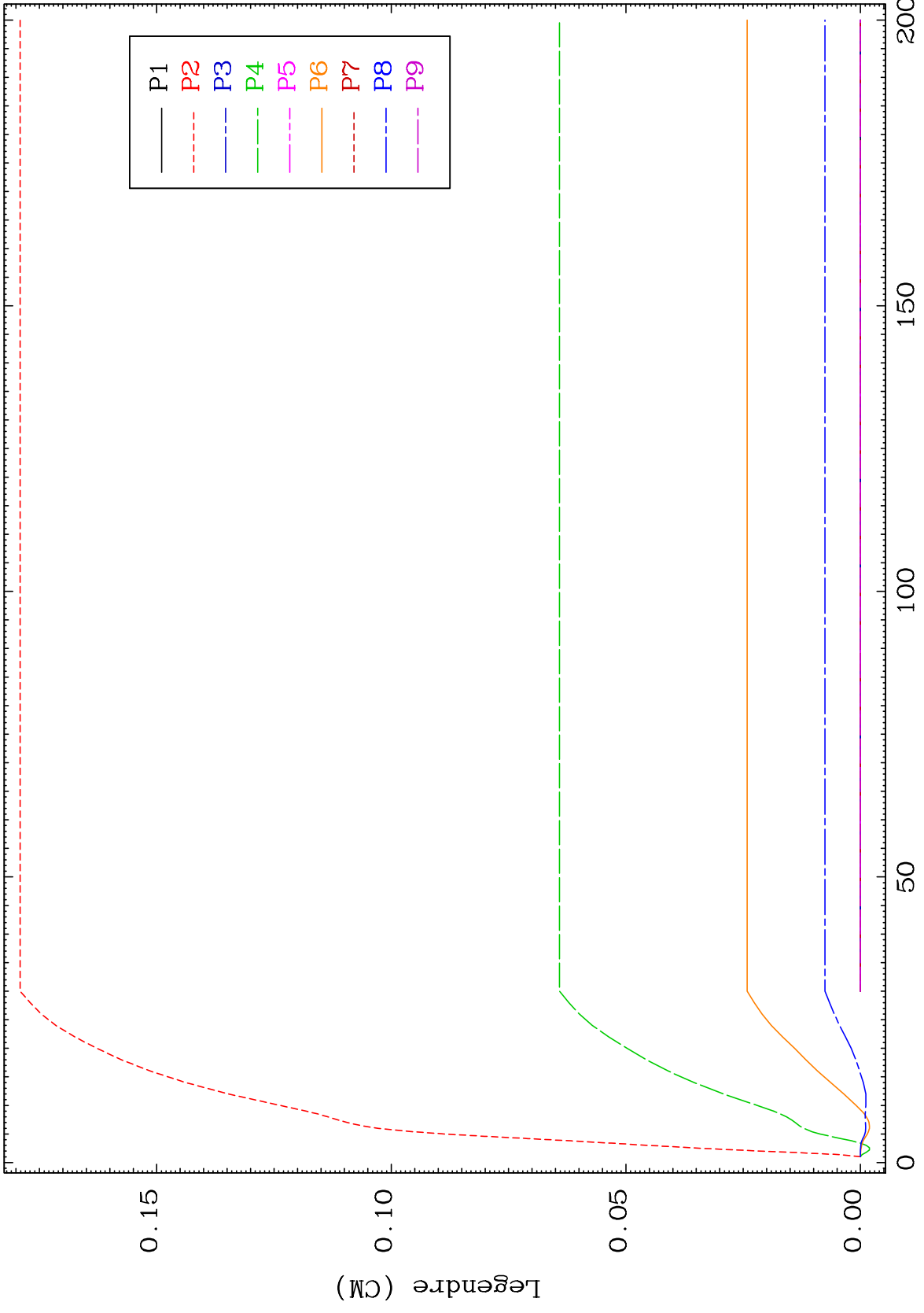
Incident Energy (MeV)

50-Sn-117

MAT 5040 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-117



MAT 5040 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-117

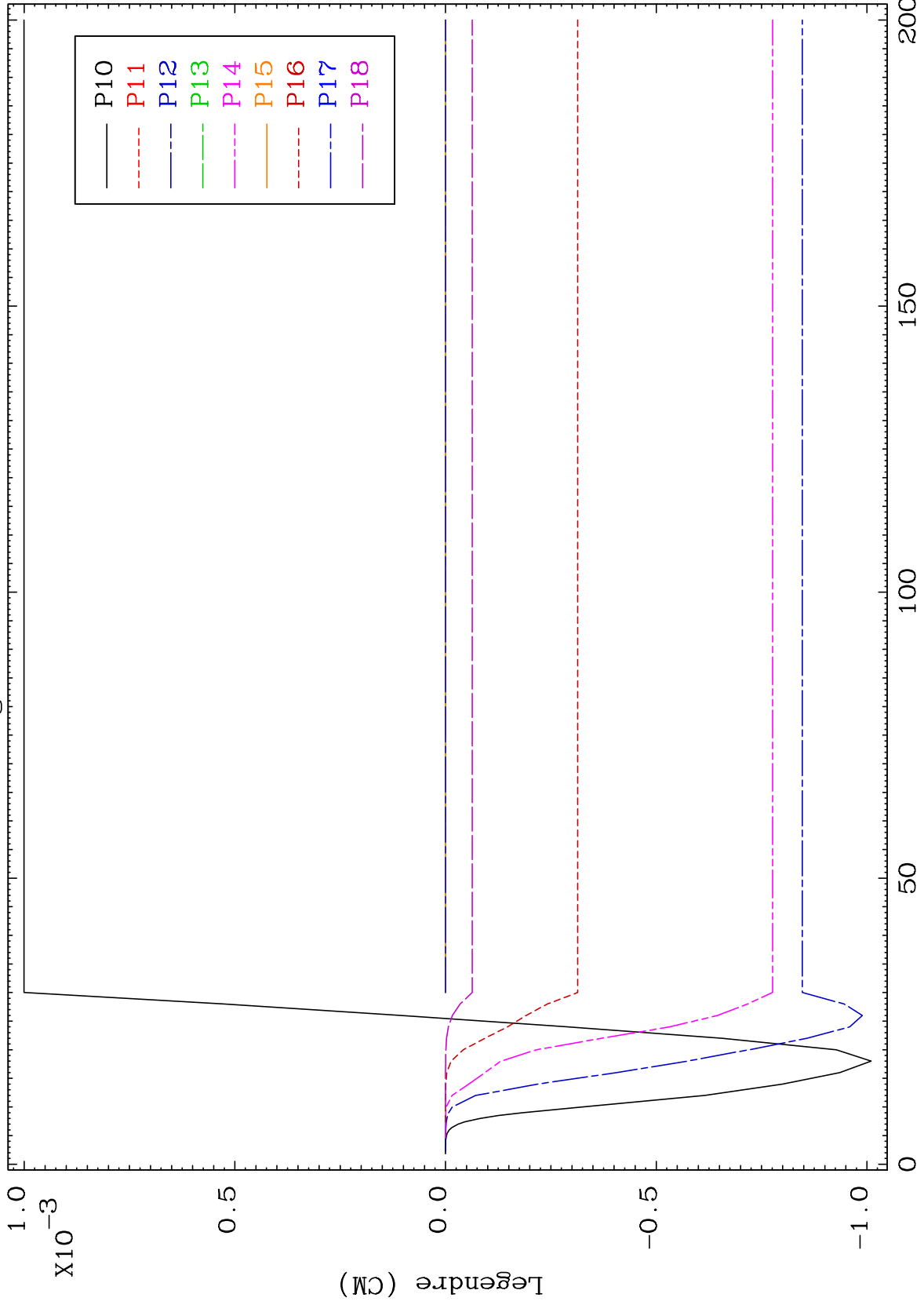


34 50-Sn-117

MAT 5040

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

50-Sn-117

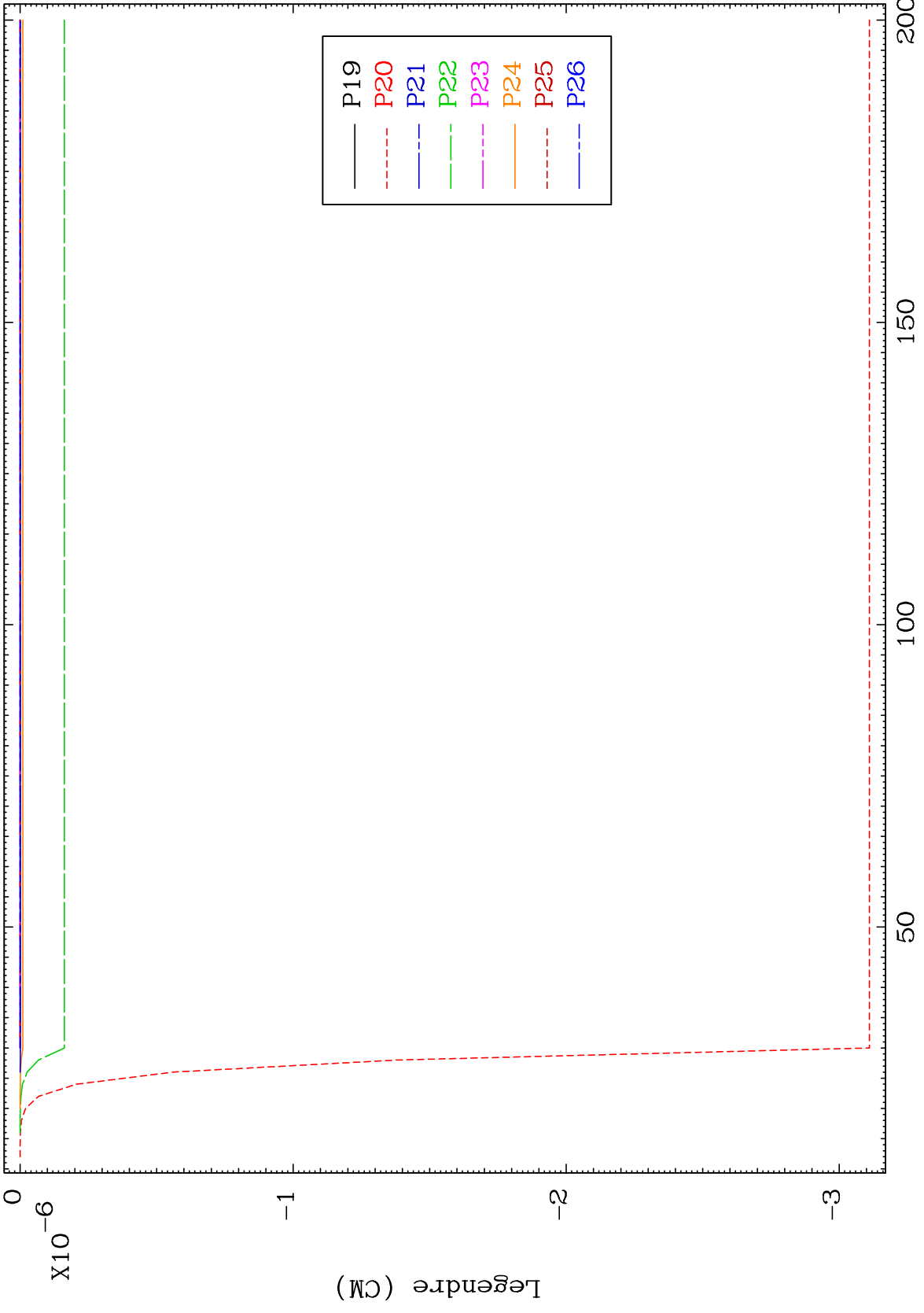


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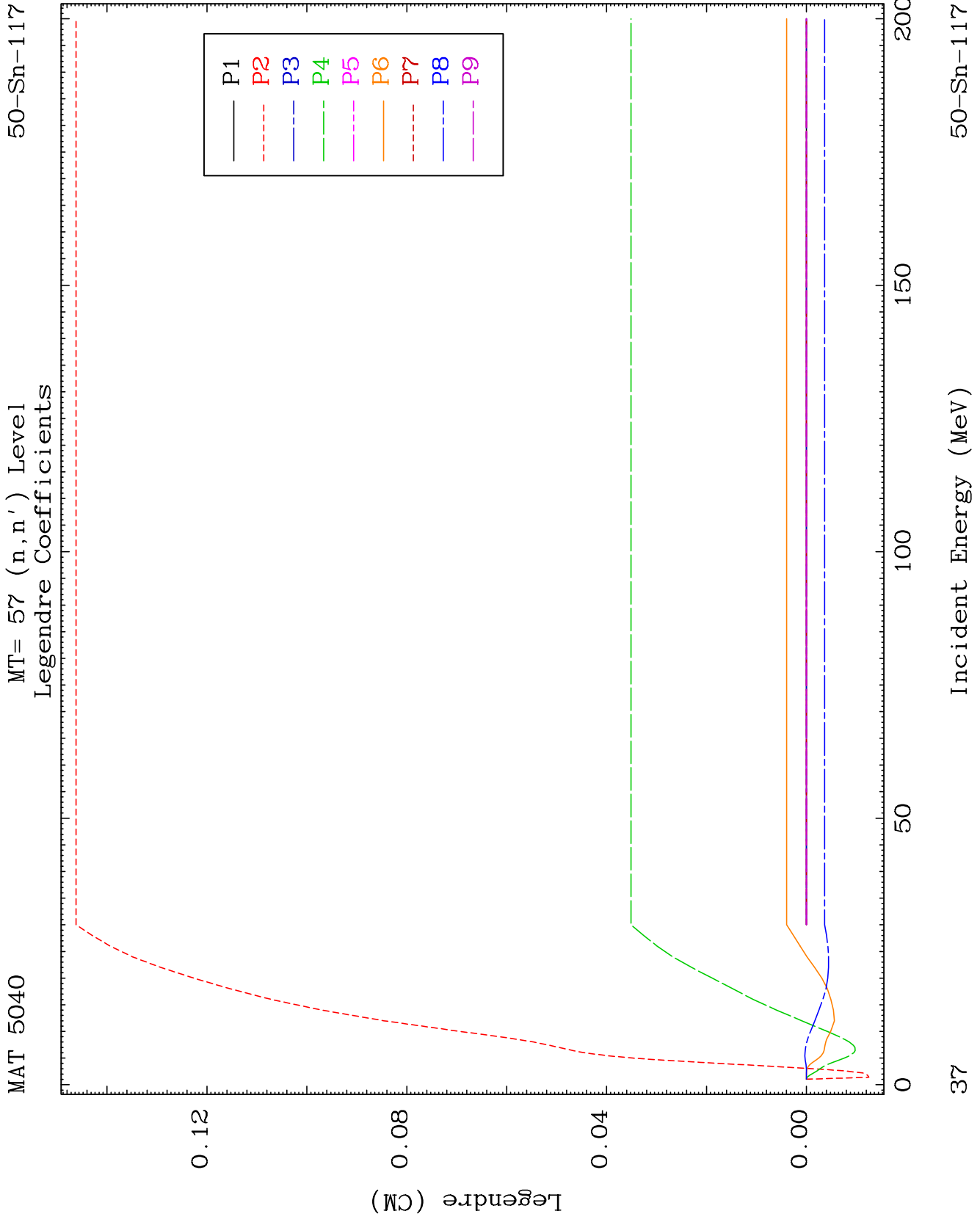
Incident Energy (MeV)

50-Sn-117

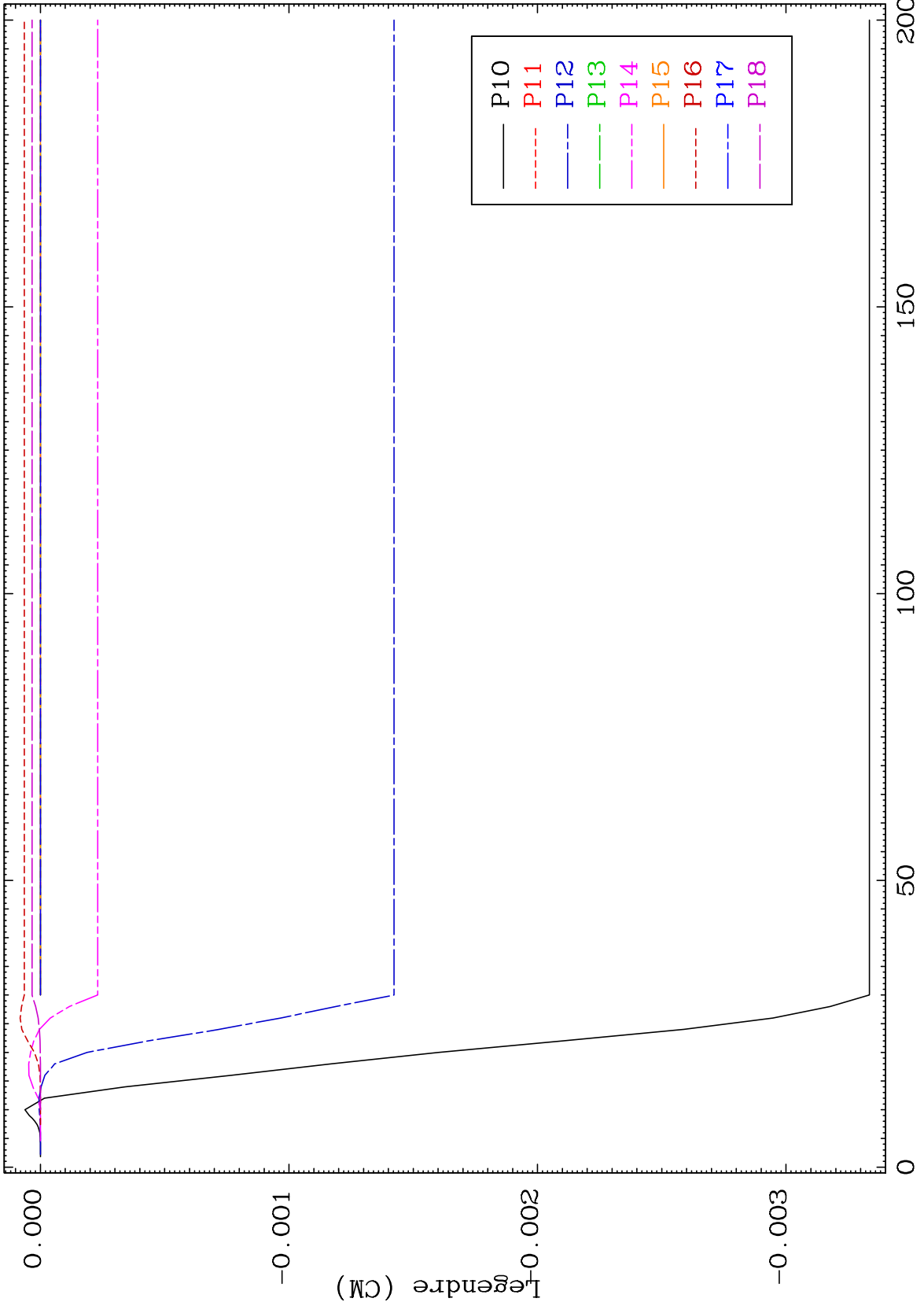
MAT 5040 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-117



36 Incident Energy (MeV) 50-Sn-117

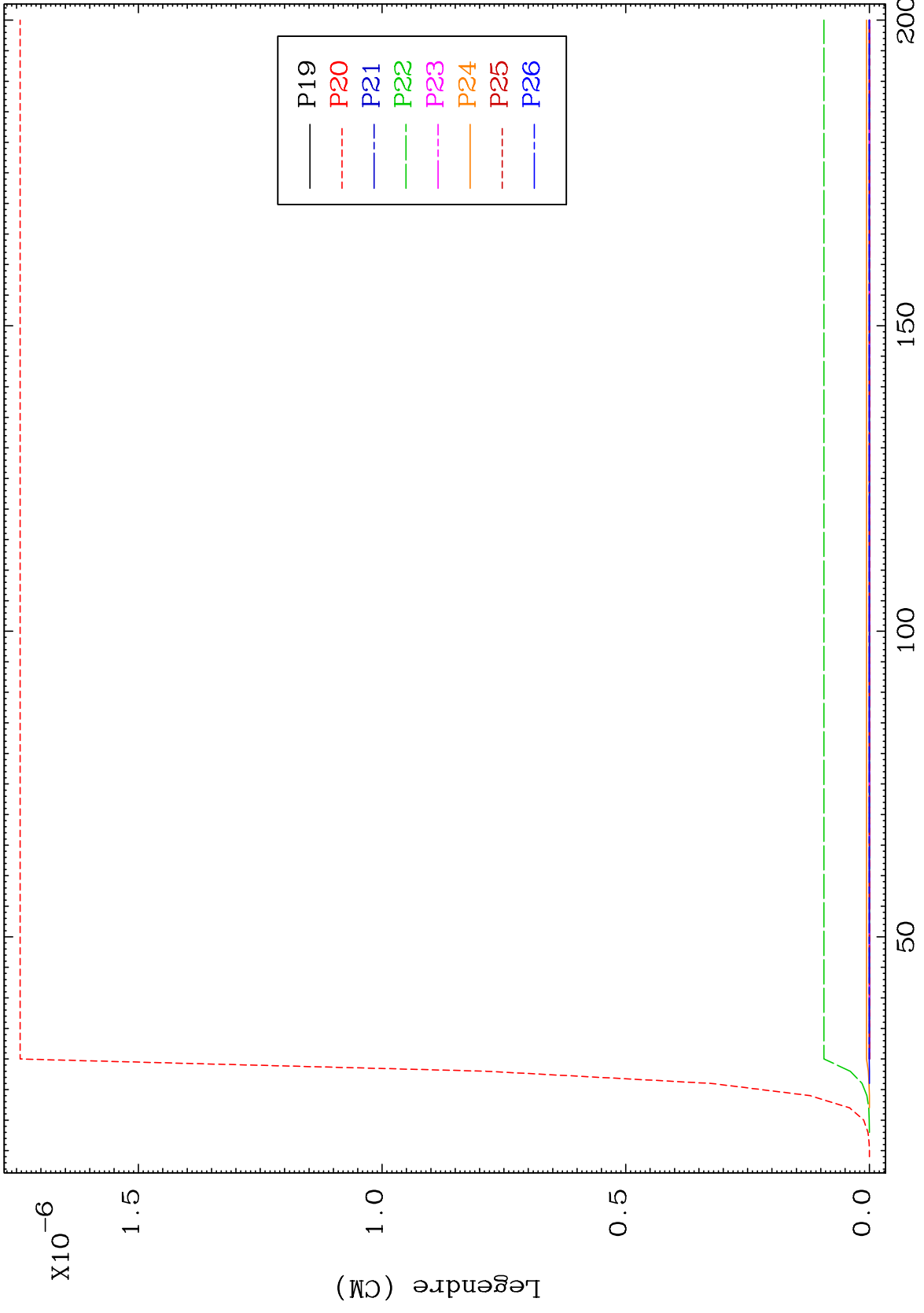


MAT 5040 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-117



38 50-Sn-117

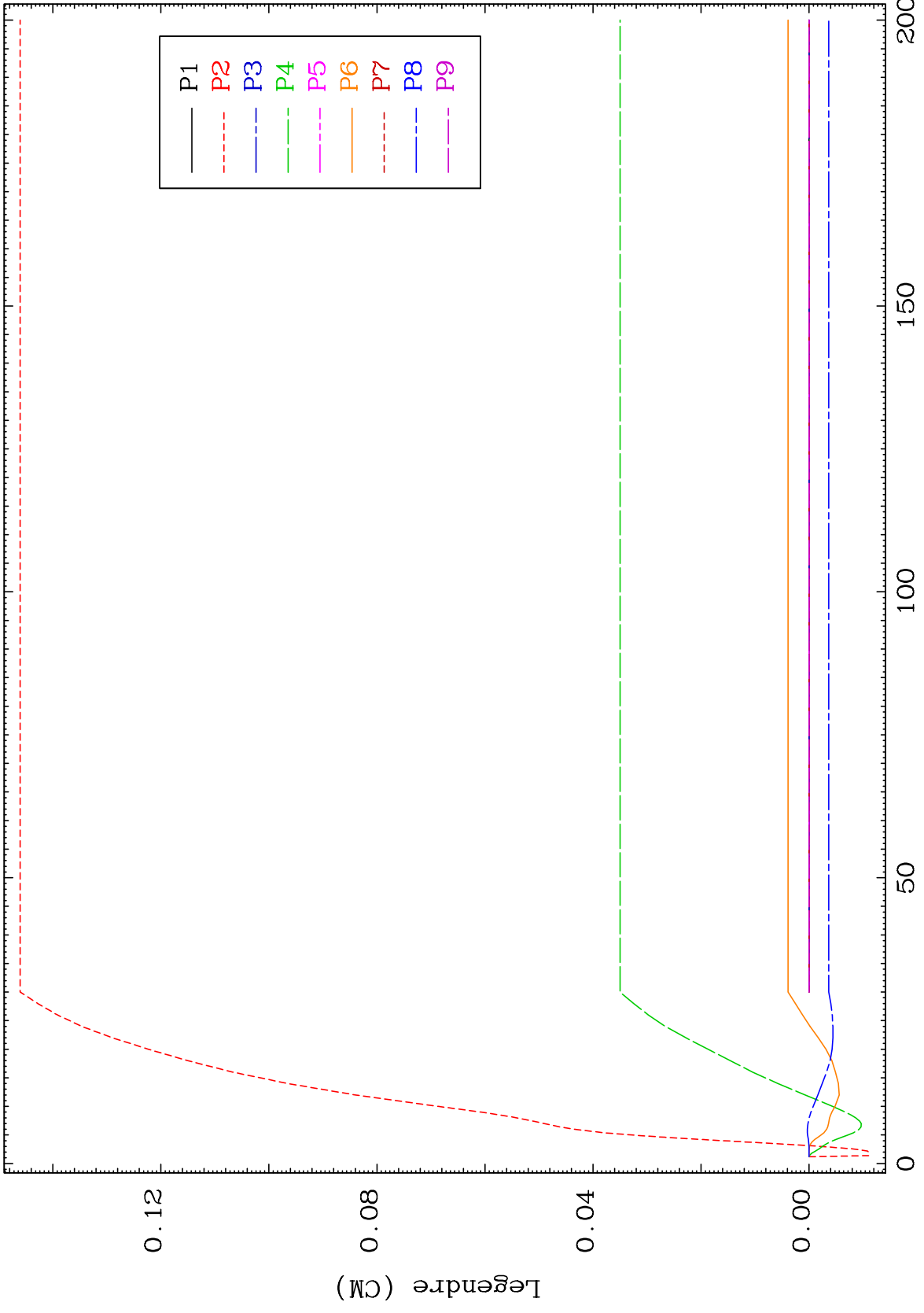
MAT 5040 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-117



39 Incident Energy (MeV) 50-Sn-117

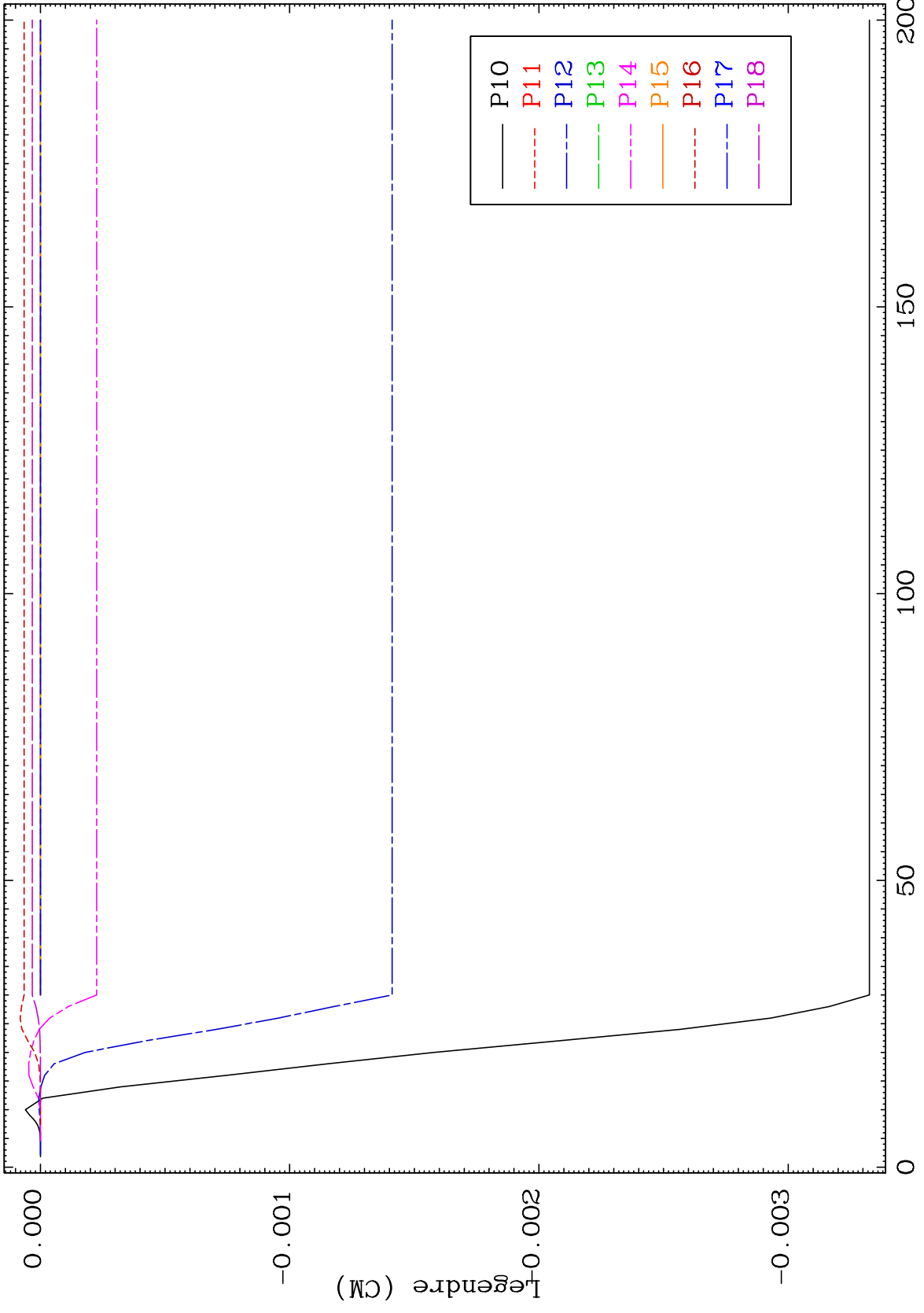


MAT 5040 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-117

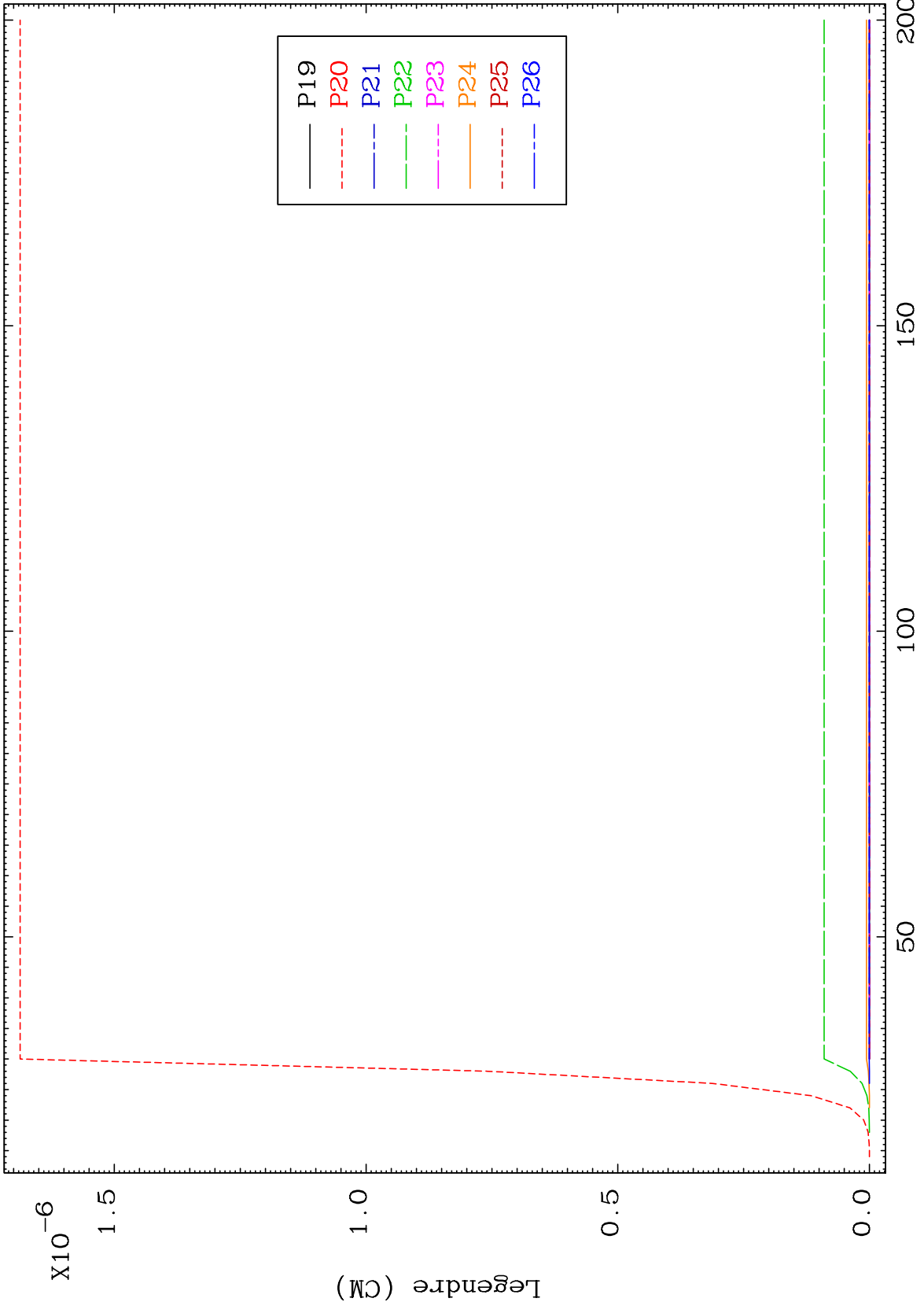


50-Sn-117

MAT 5040 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-117

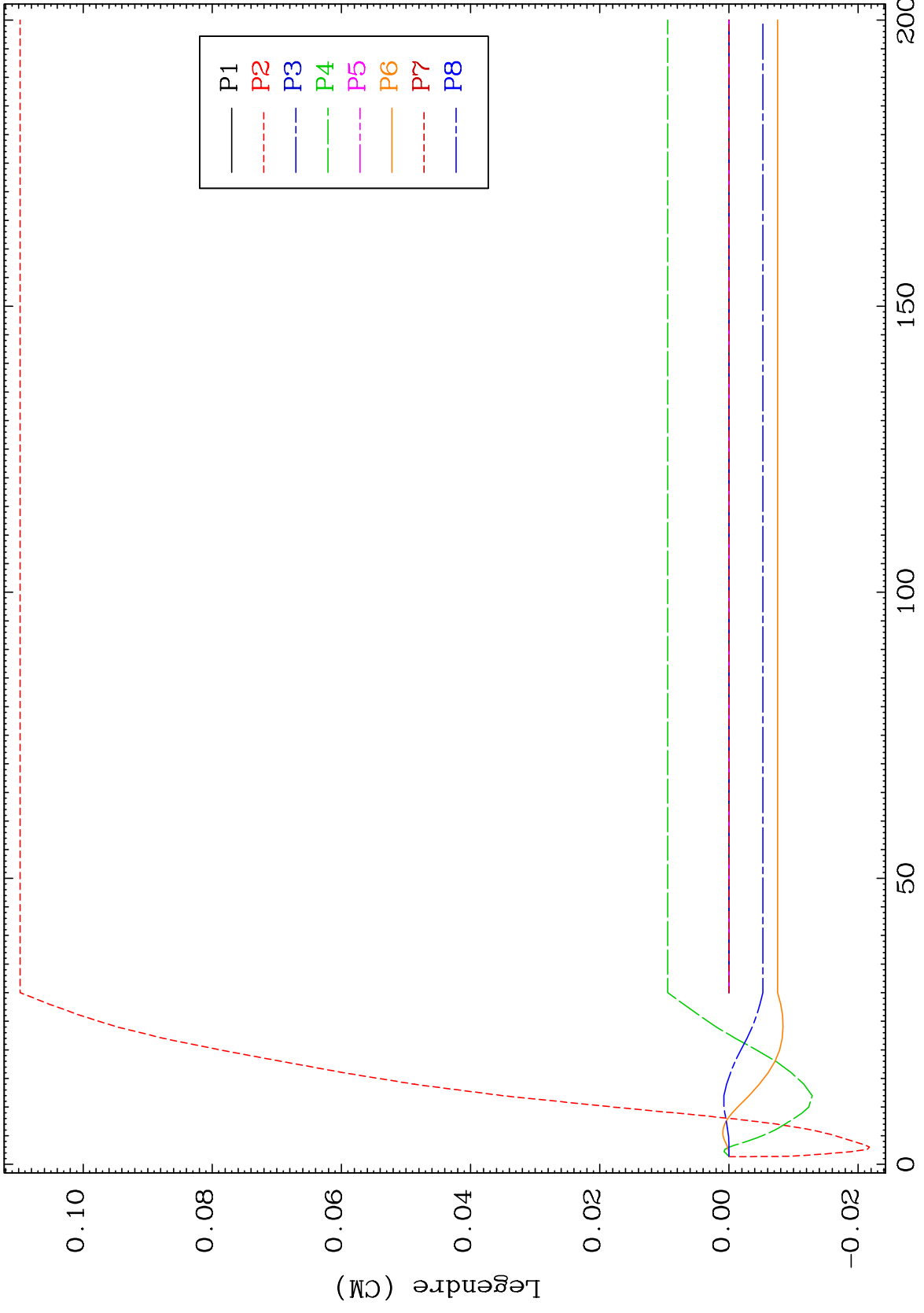


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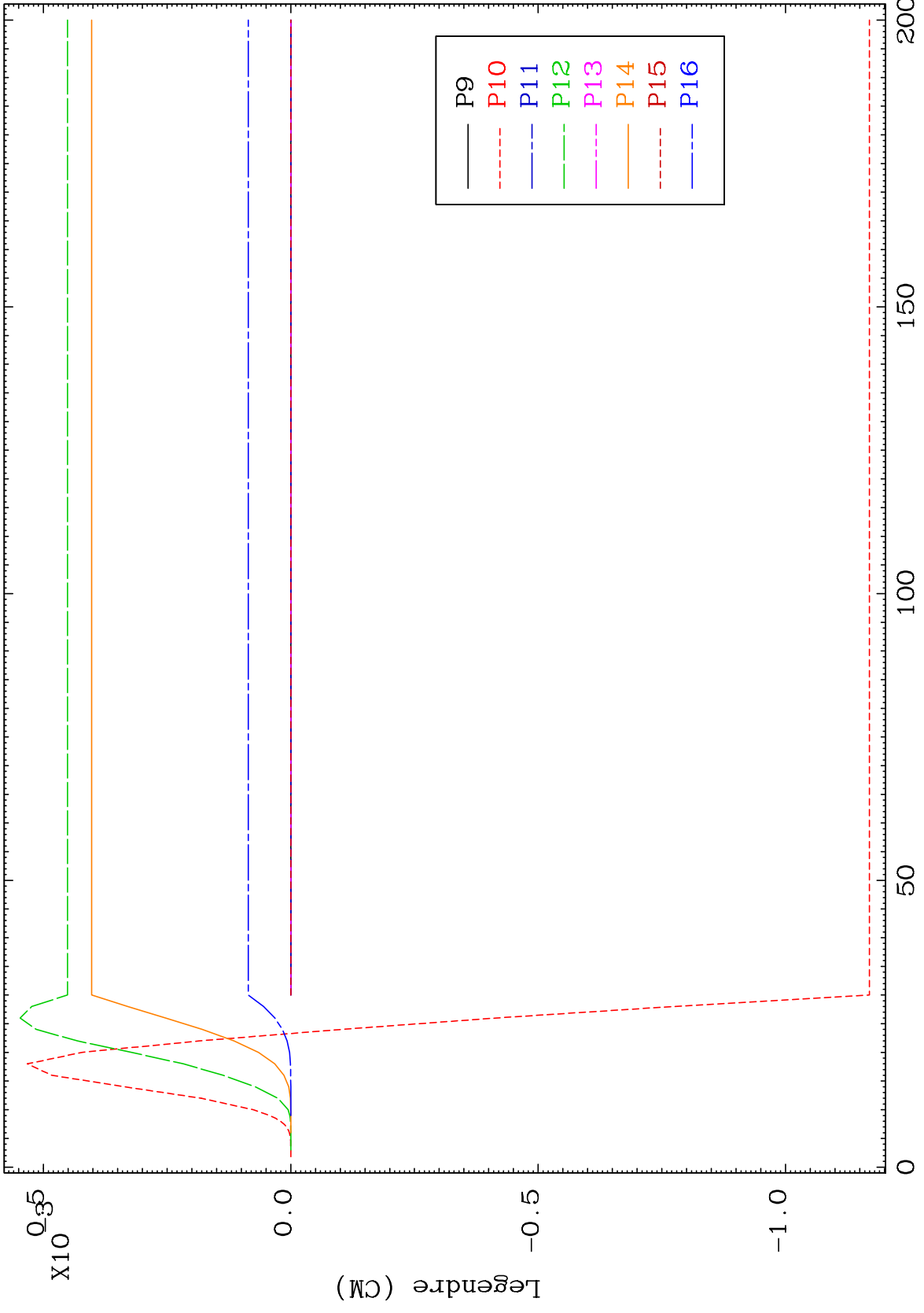


42 50-Sn-117

MAT 5040 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-117

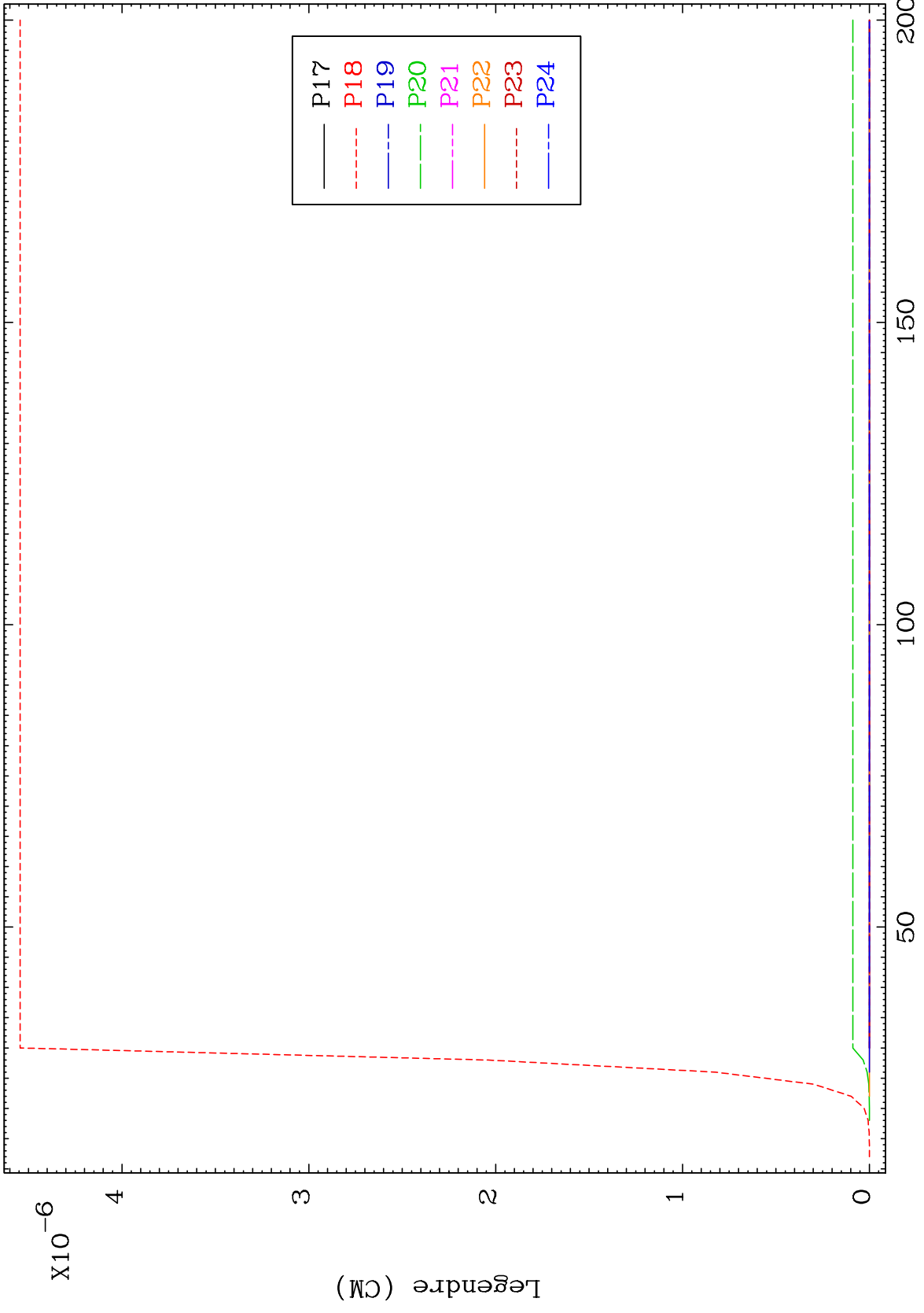


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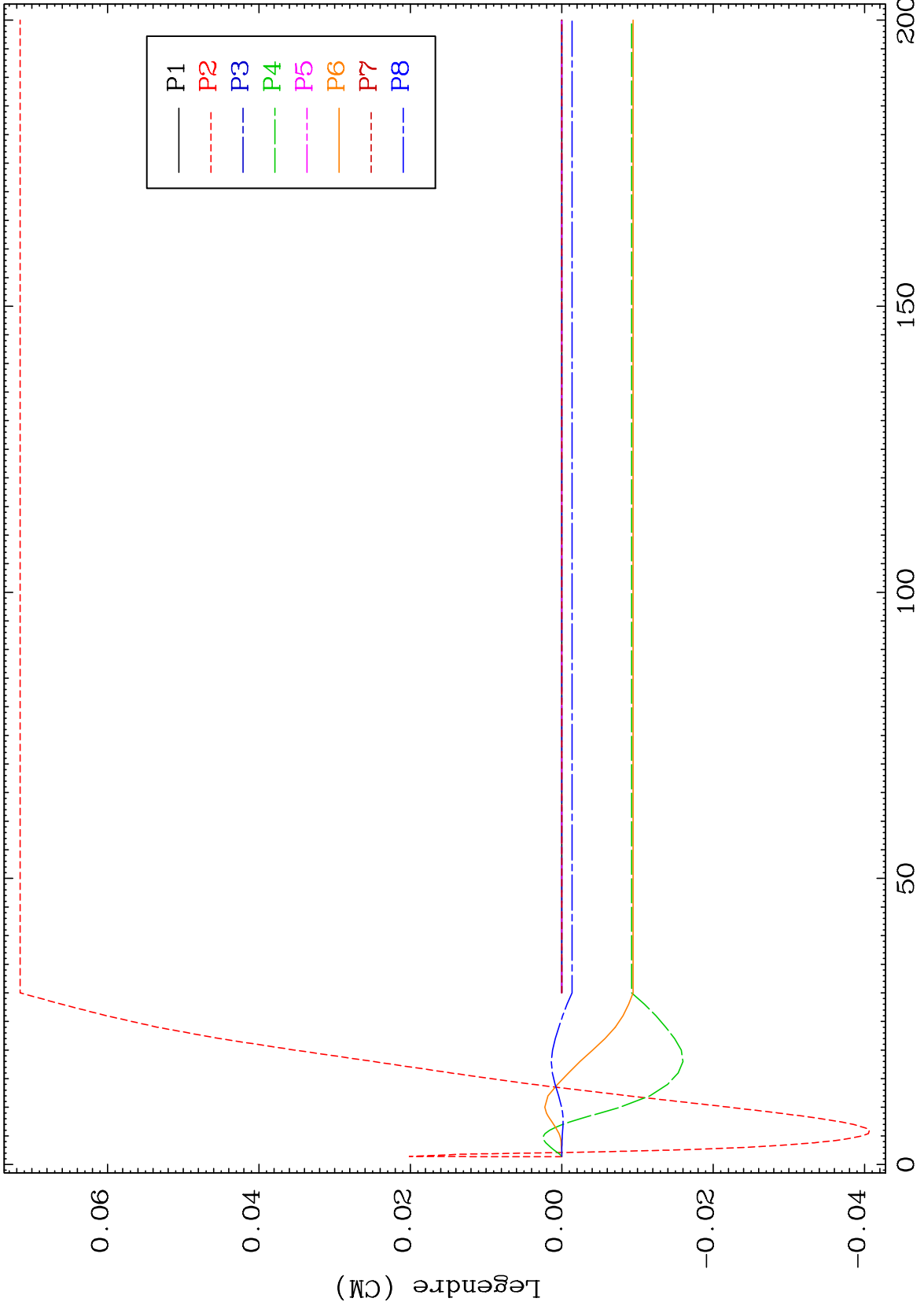
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MAT 5040 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-117



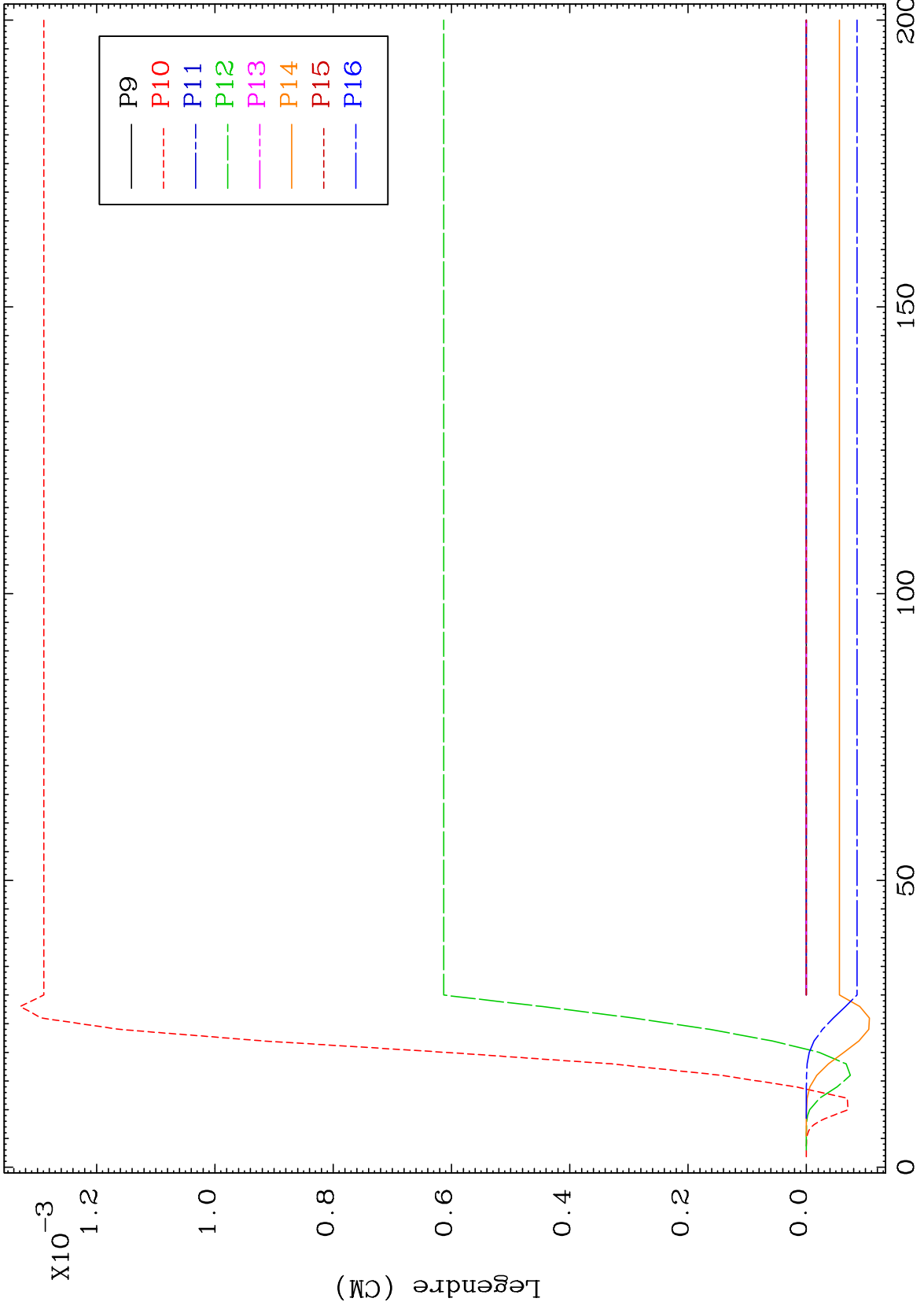
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MAT 5040 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-117



46 50-Sn-117

MAT 5040 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-117



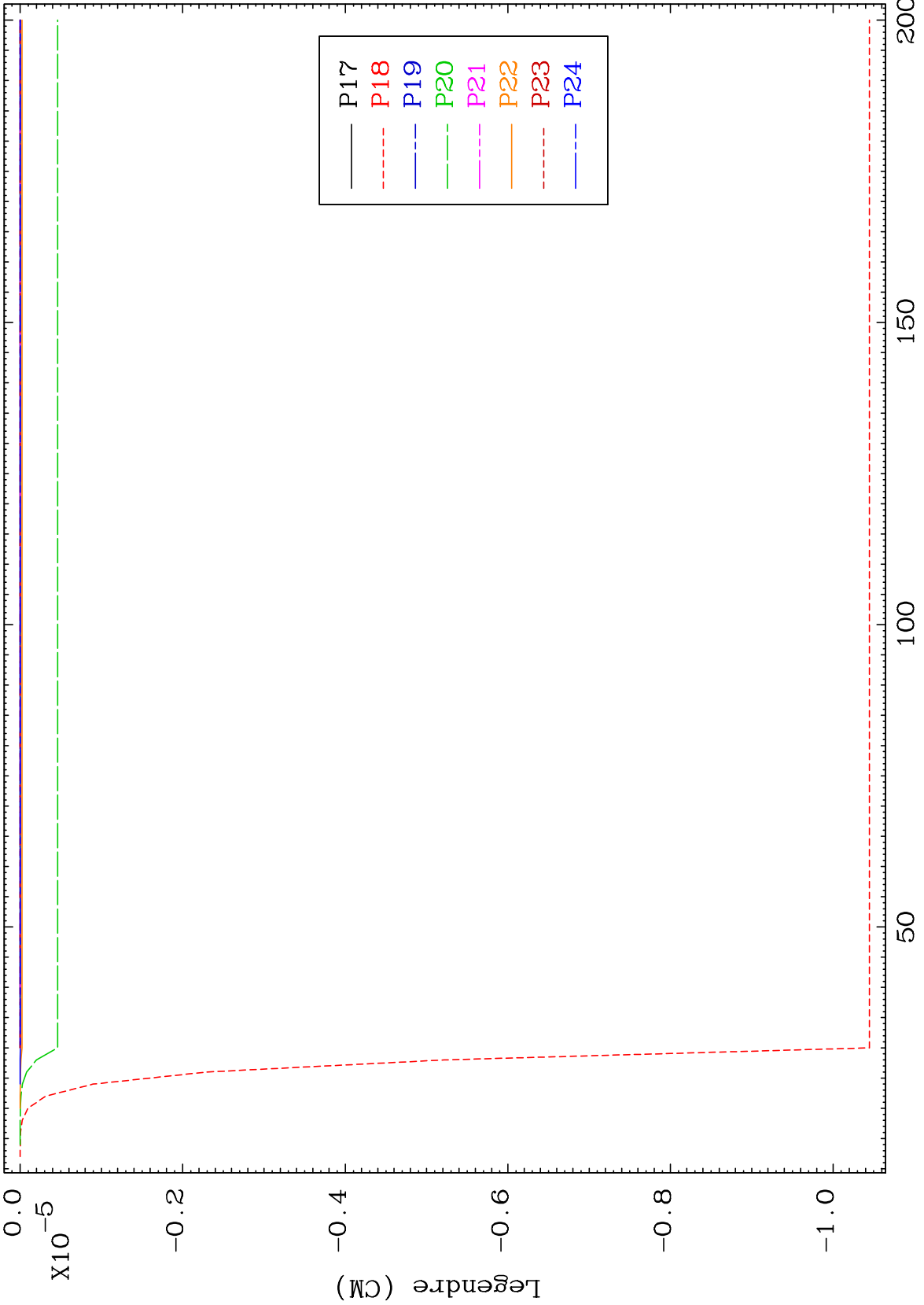
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MAT 5040 MT= 60 (n,n') Level

50-Sn-117

Legendre Coefficients

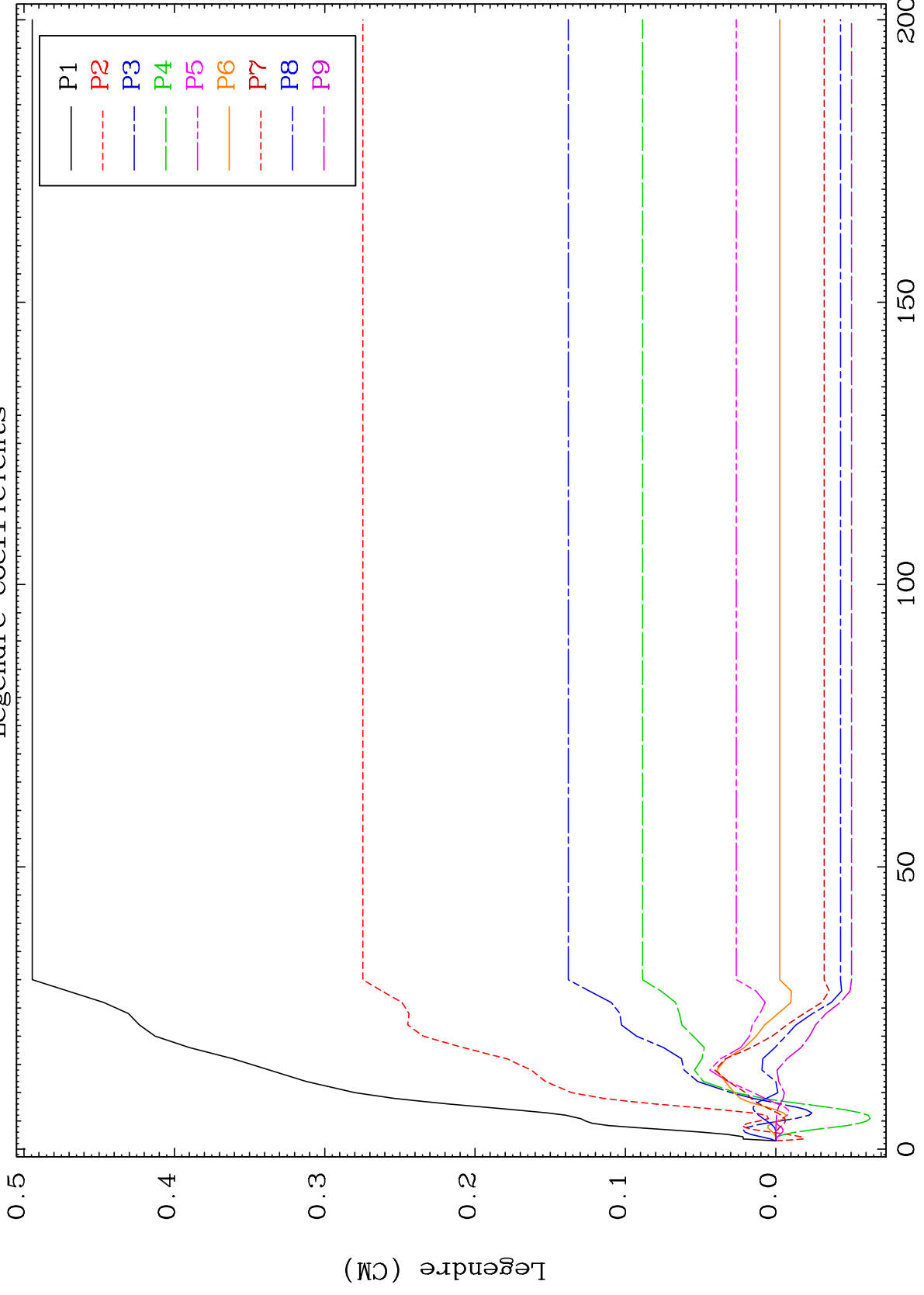


50-Sn-117

Incident Energy (MeV)

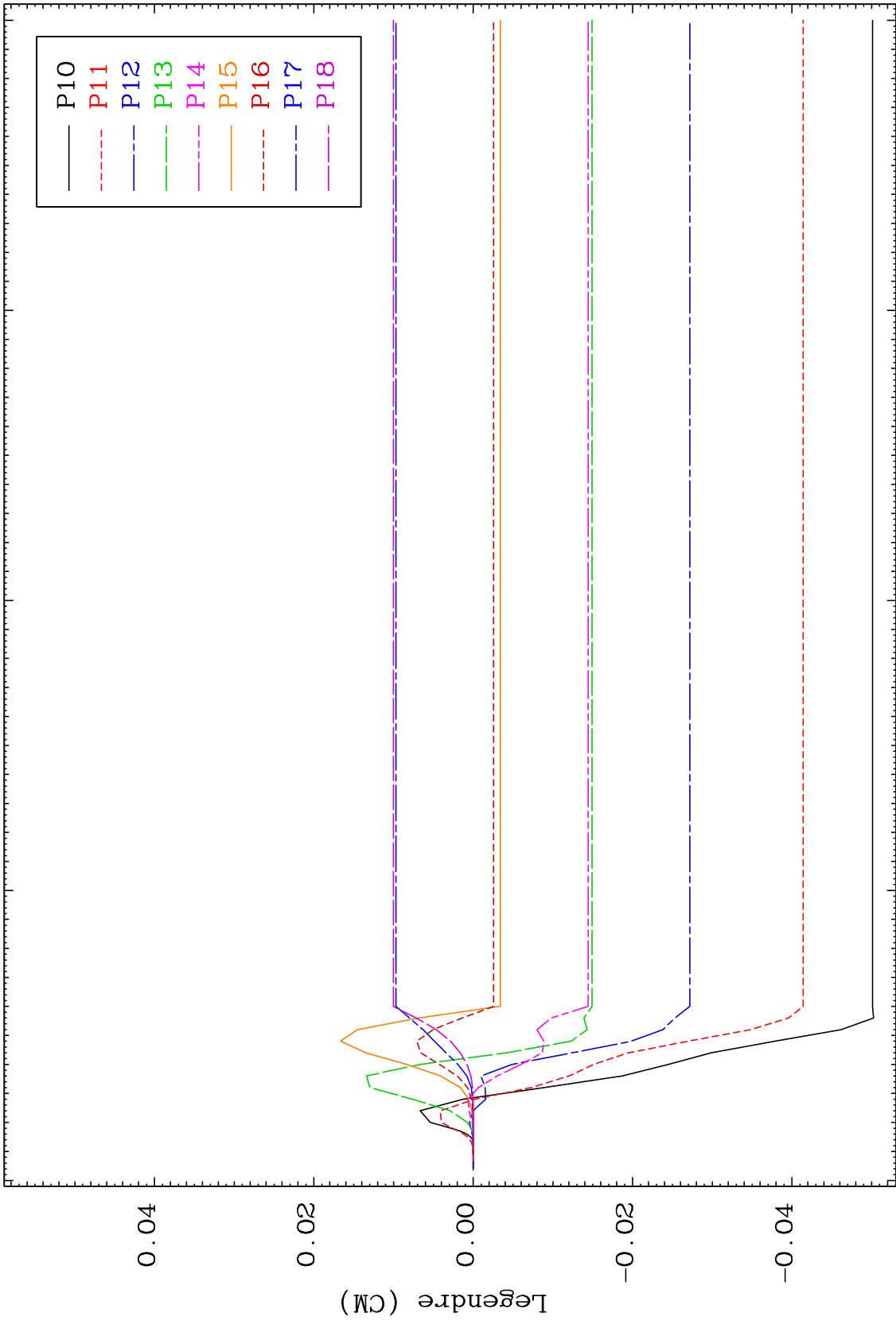
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MAT 5040 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-117

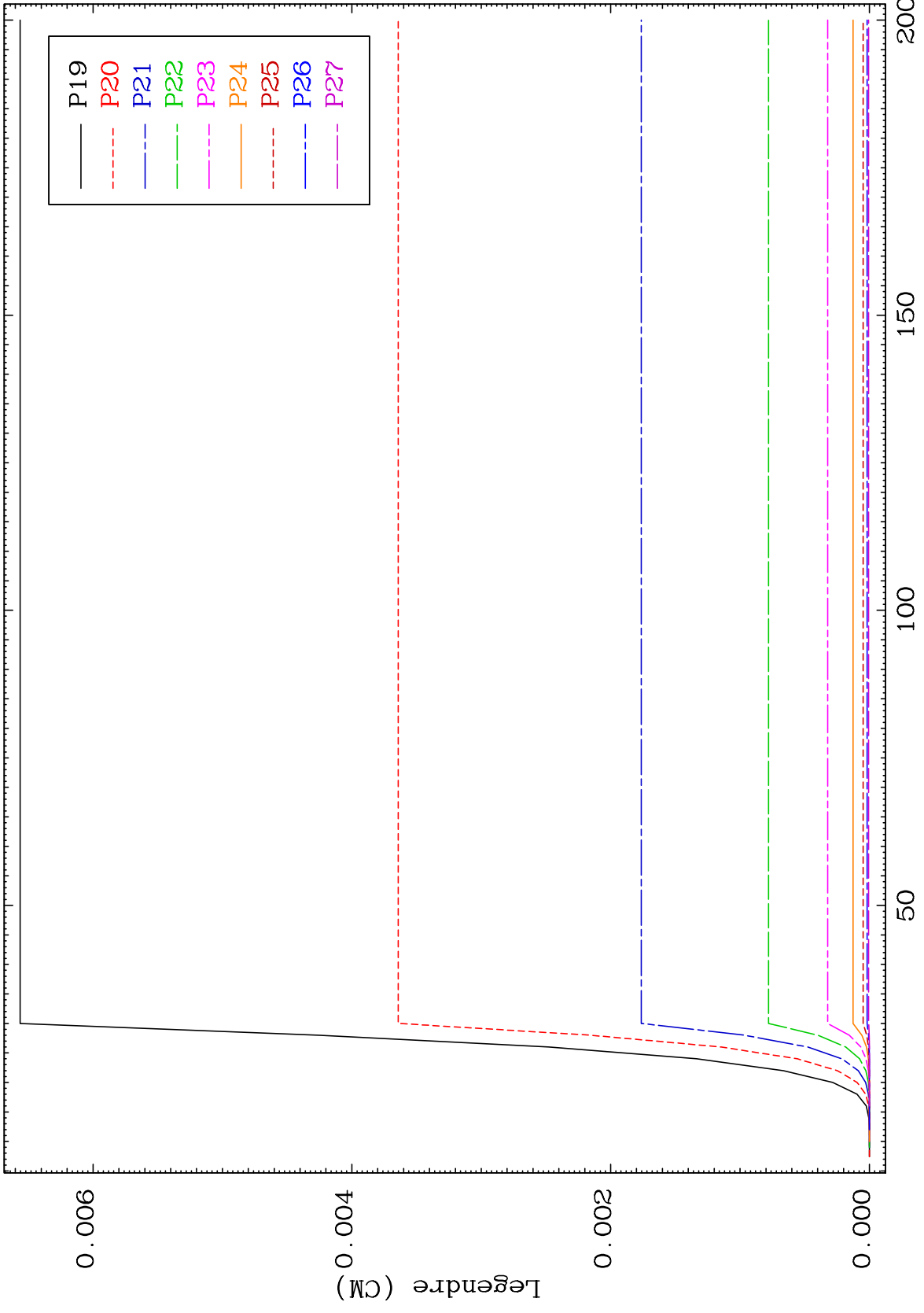


49 Incident Energy (MeV) 50-Sn-117

MAT 5040 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-117



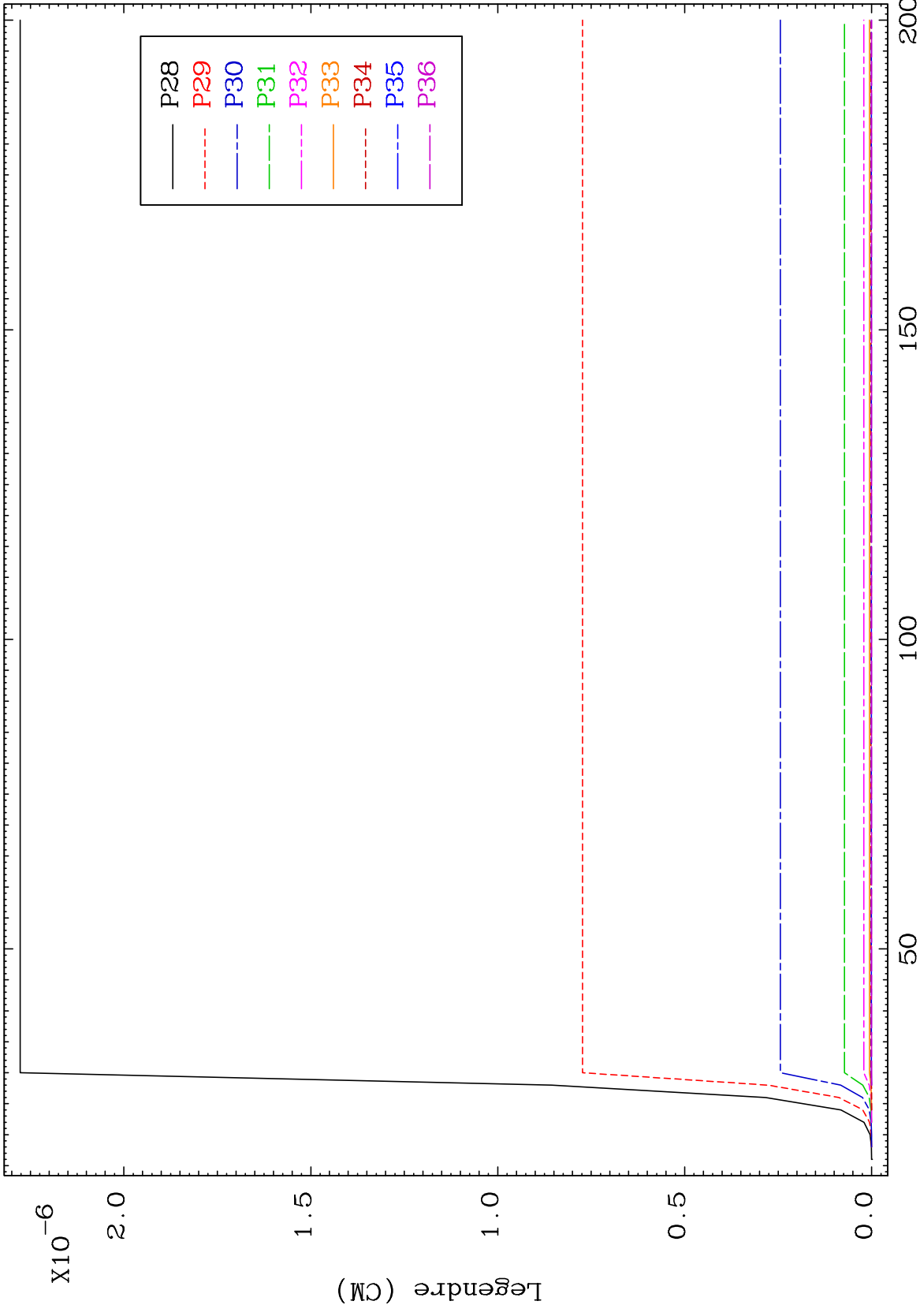
50-Sn-117



MAT 5040

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

50-Sn-117

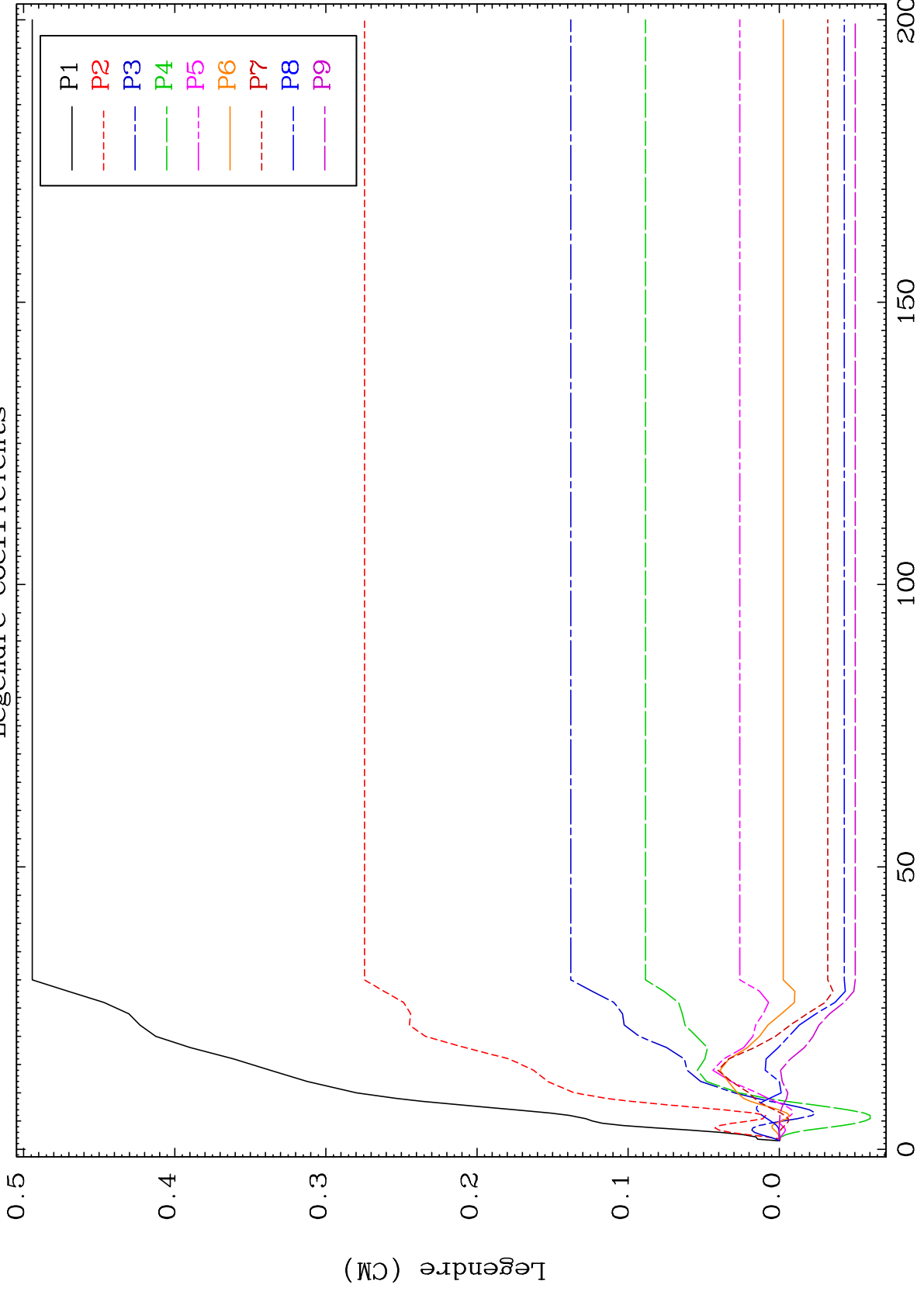


50-Sn-117

Incident Energy (MeV)

52

MAT 5040 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-117

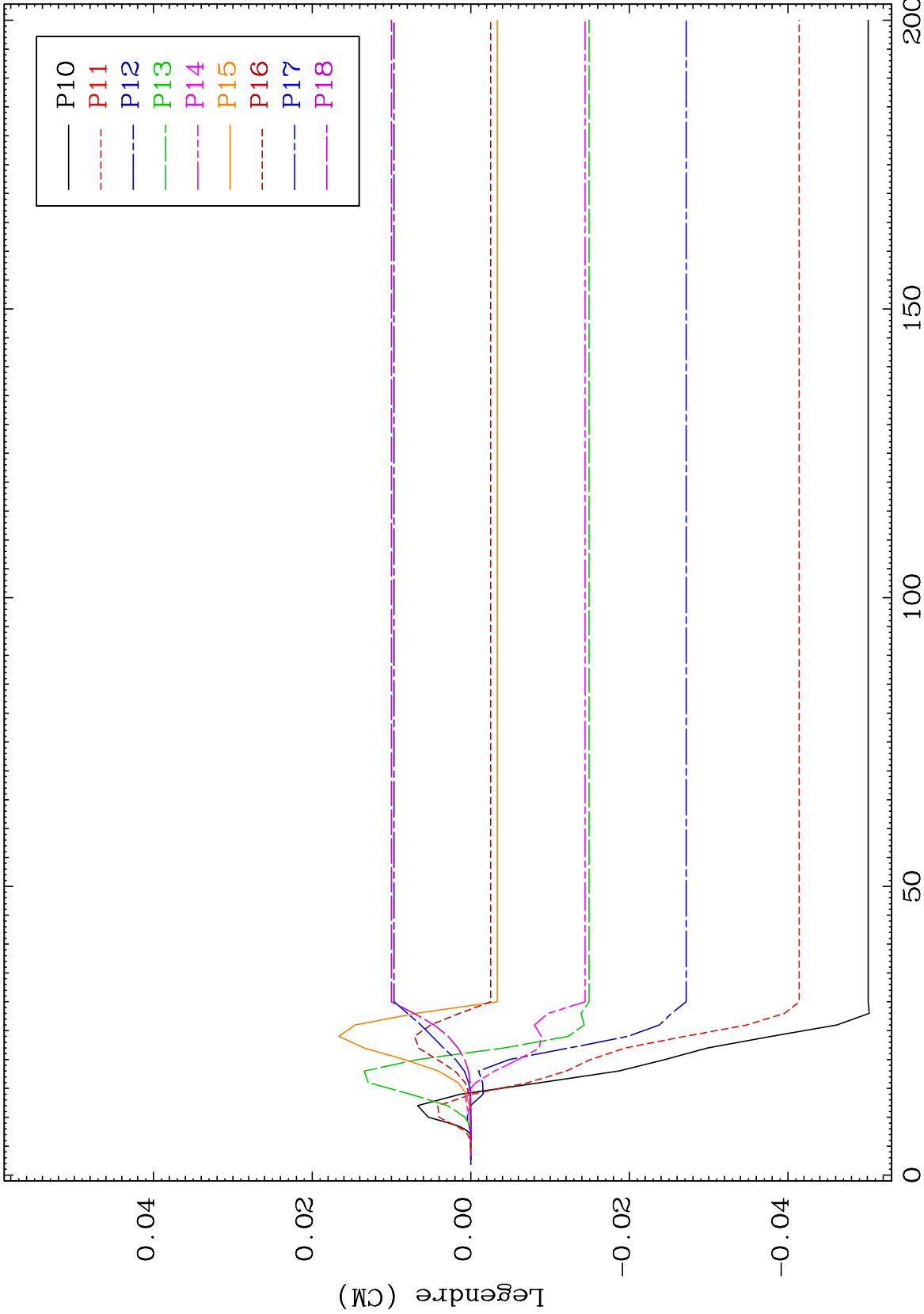


53 50-Sn-117

MAT 5040

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

50-Sn-117

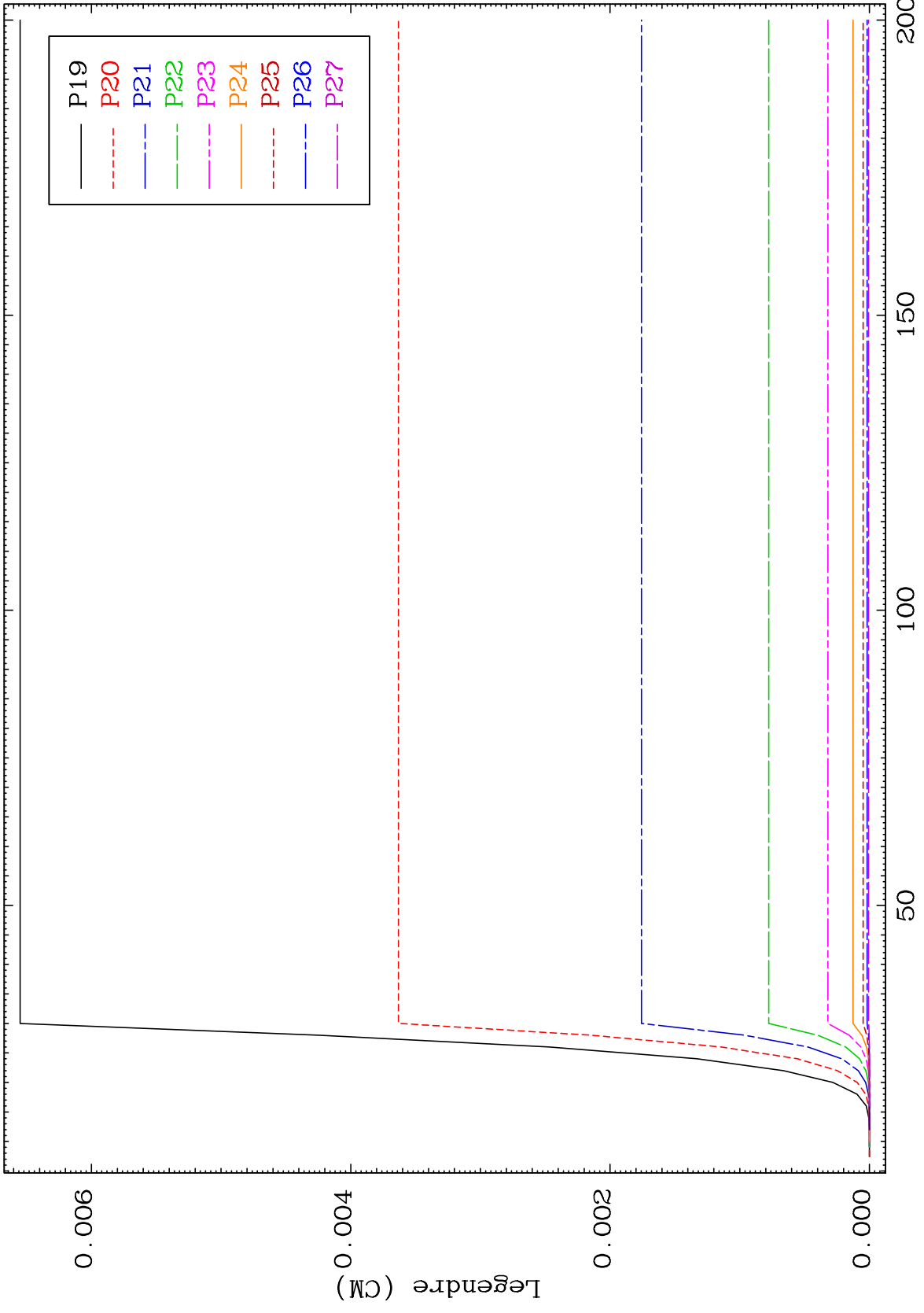


54

Incident Energy (MeV)

50-Sn-117

MAT 5040 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-117



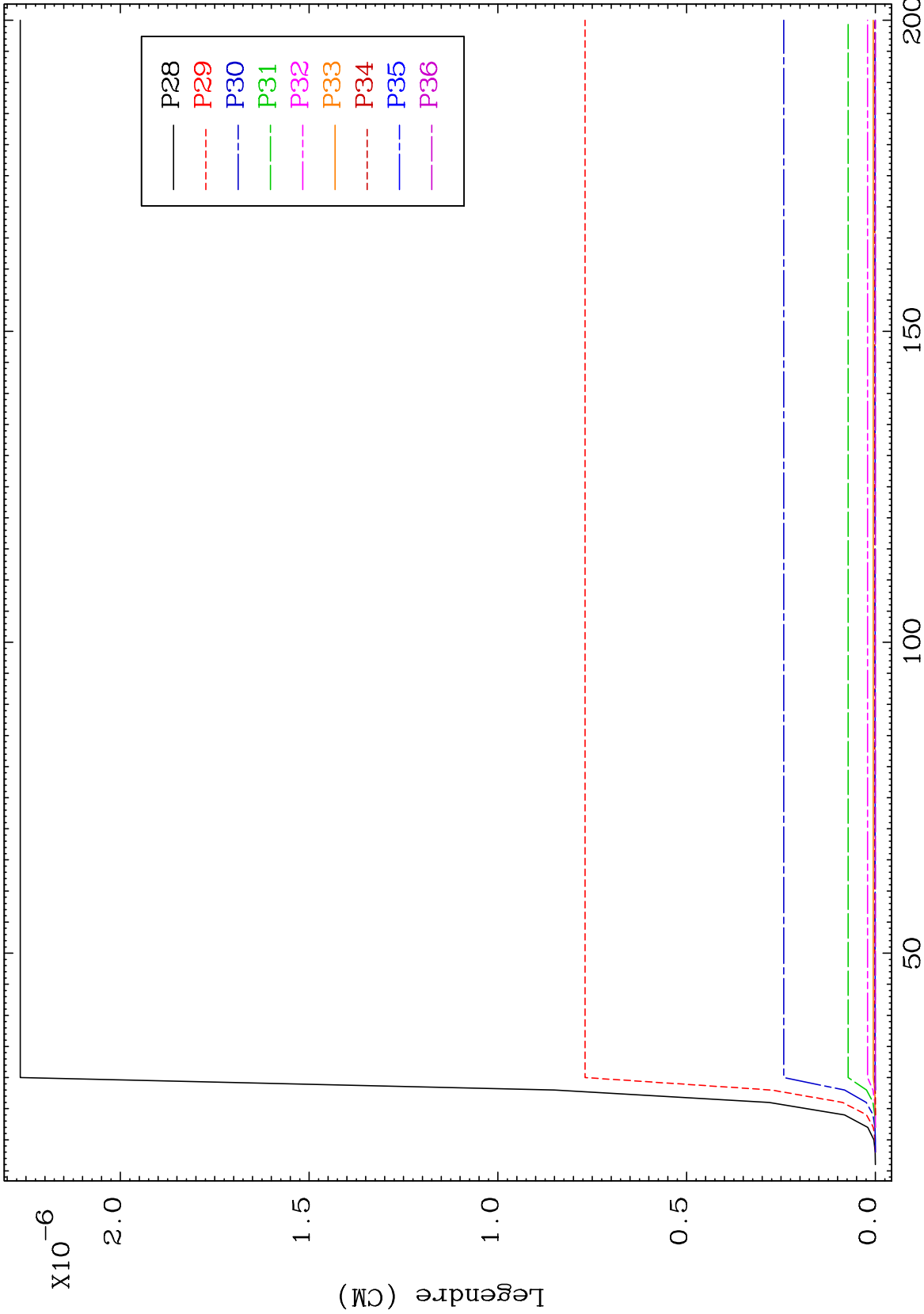
55 Incident Energy (MeV) 200 50-Sn-117



MAT 5040

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

50-Sn-117

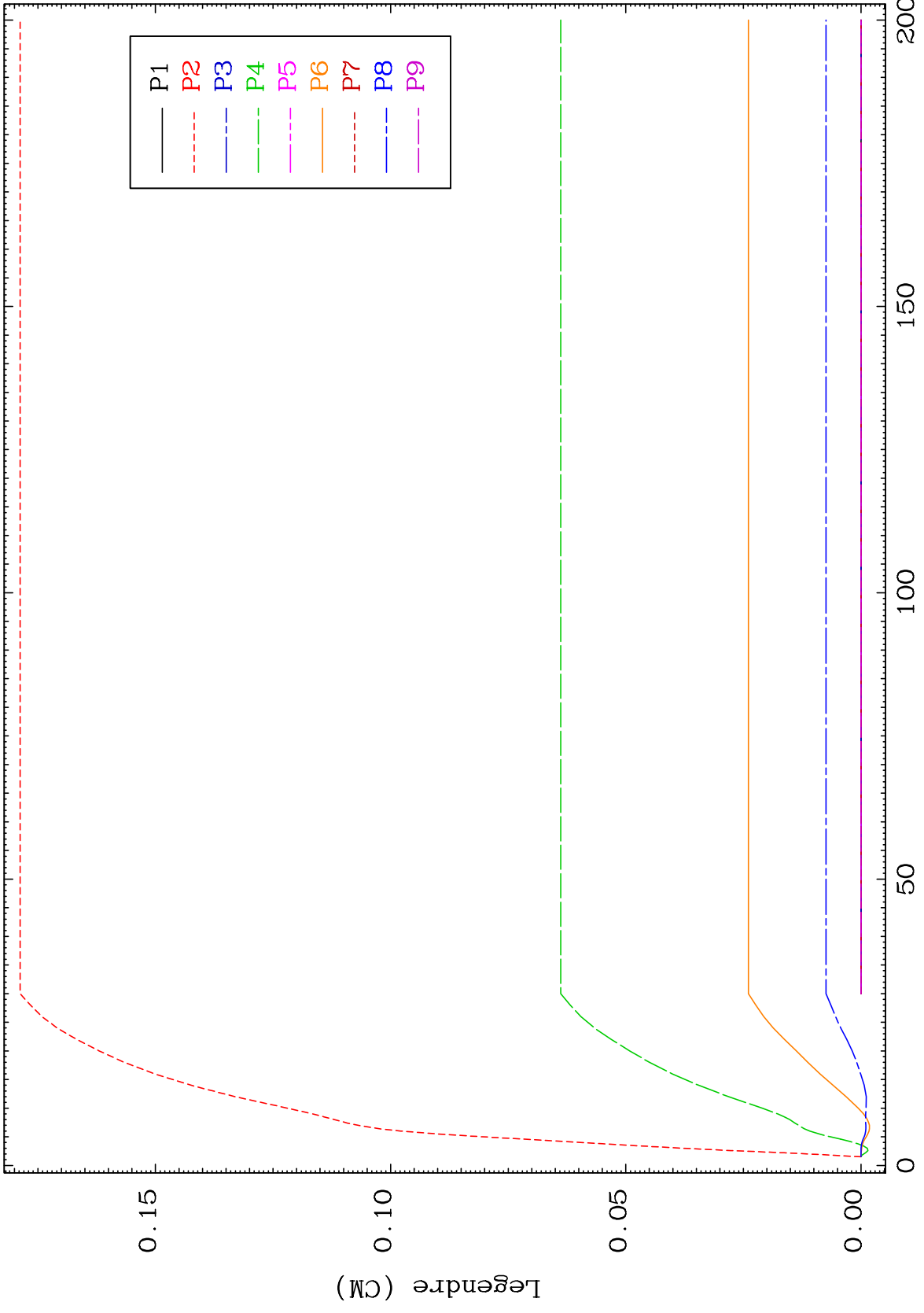


56

Incident Energy (MeV)

50-Sn-117

MAT 5040 MT= 63 (n,n') Level Legendre Coefficients 50-Sn-117

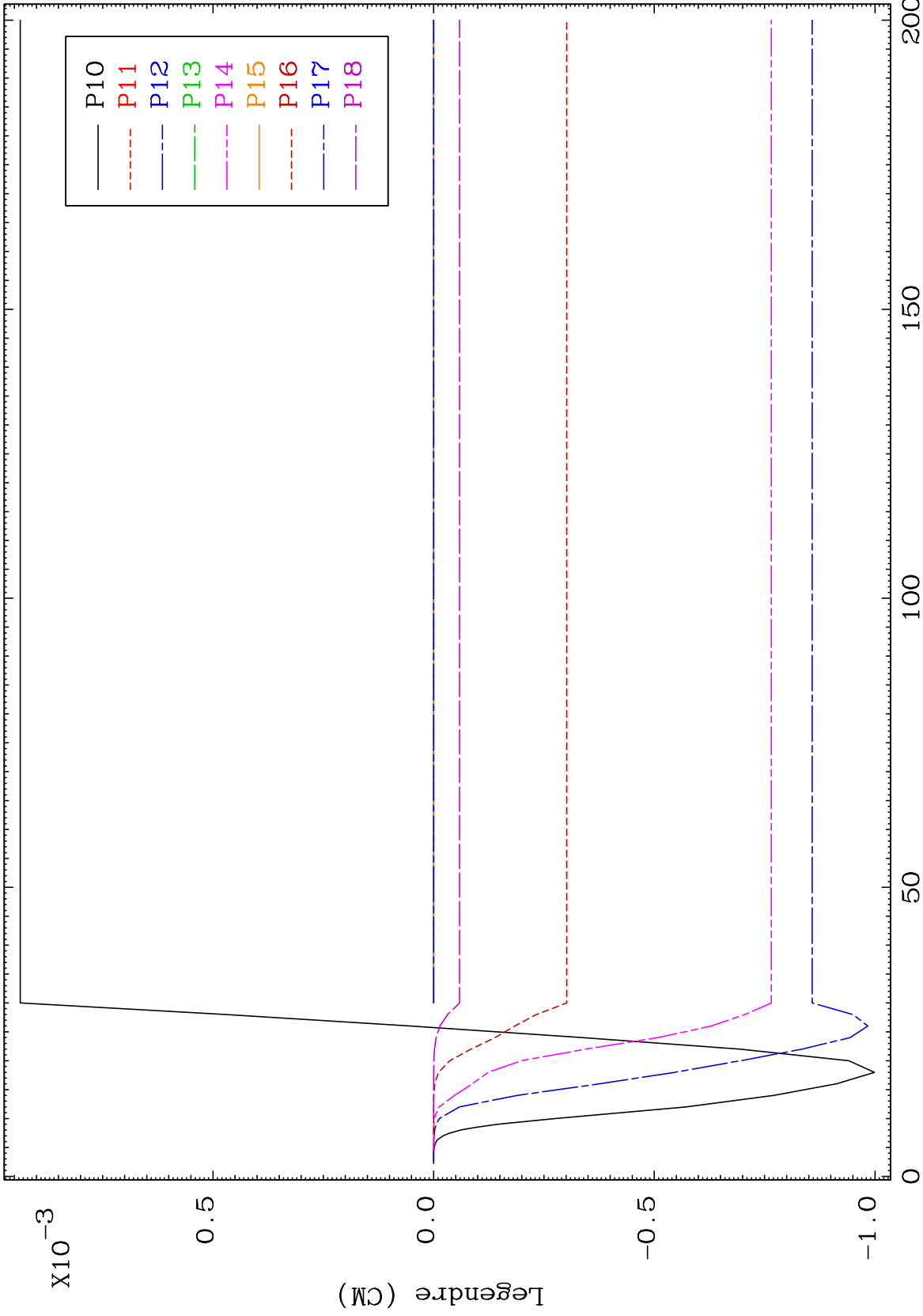


57 50-Sn-117

MAT 5040

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

50-Sn-117



58

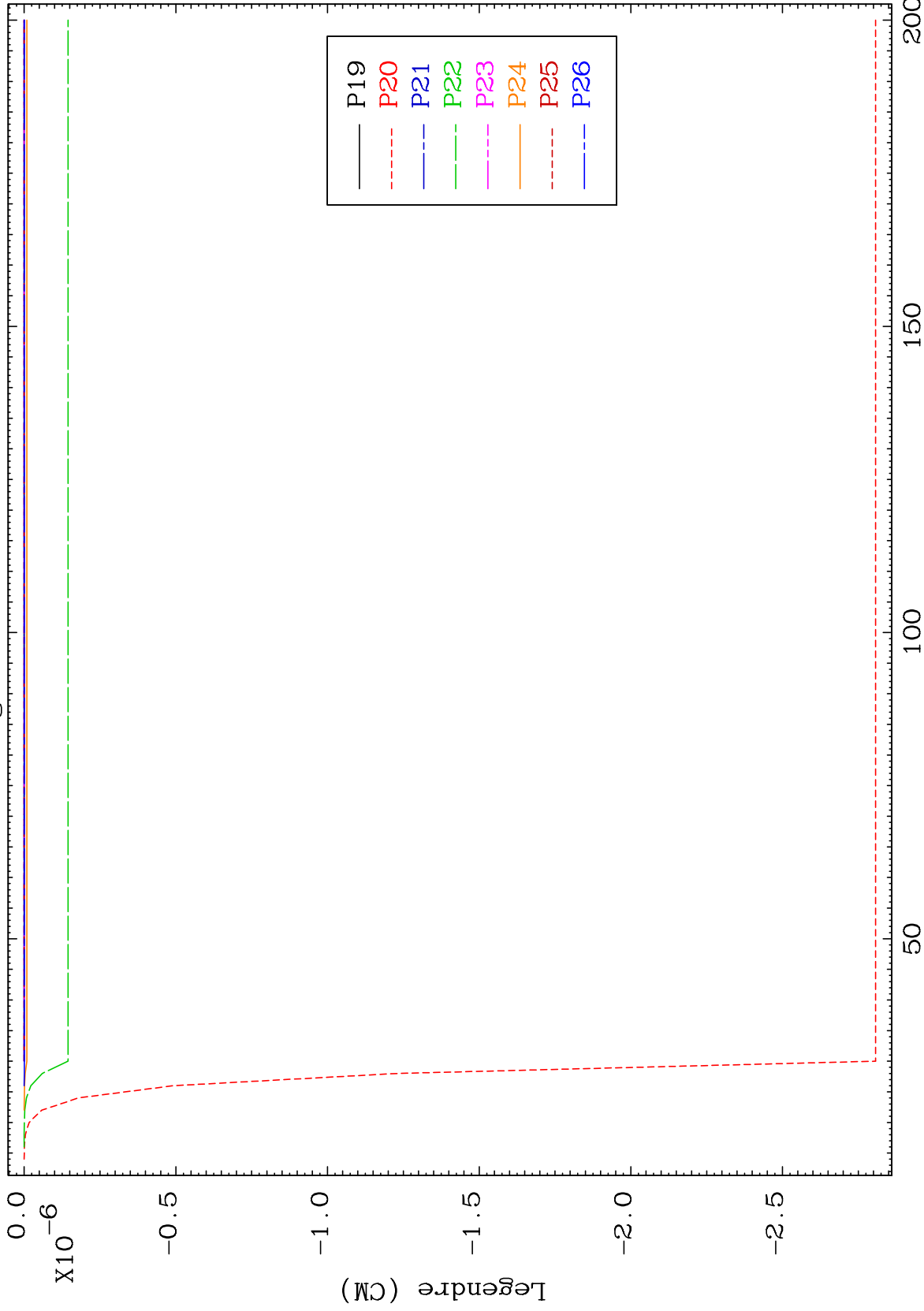
Incident Energy (MeV)

50-Sn-117

MAT 5040 MT= 63 (n,n') Level

50-Sn-117

Legendre Coefficients



59

Incident Energy (MeV)

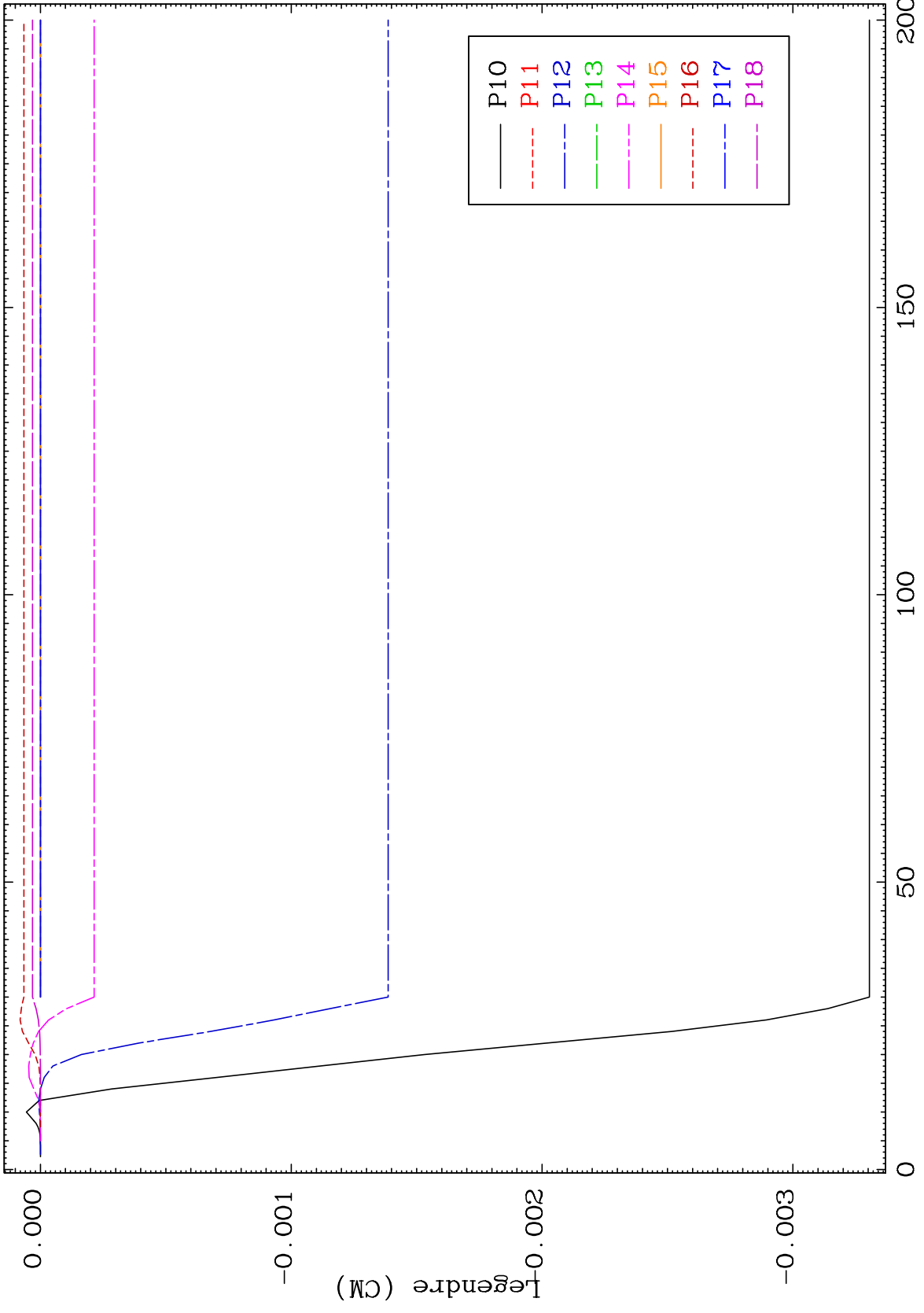
50-Sn-117



MAT 5040

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

50-Sn-117

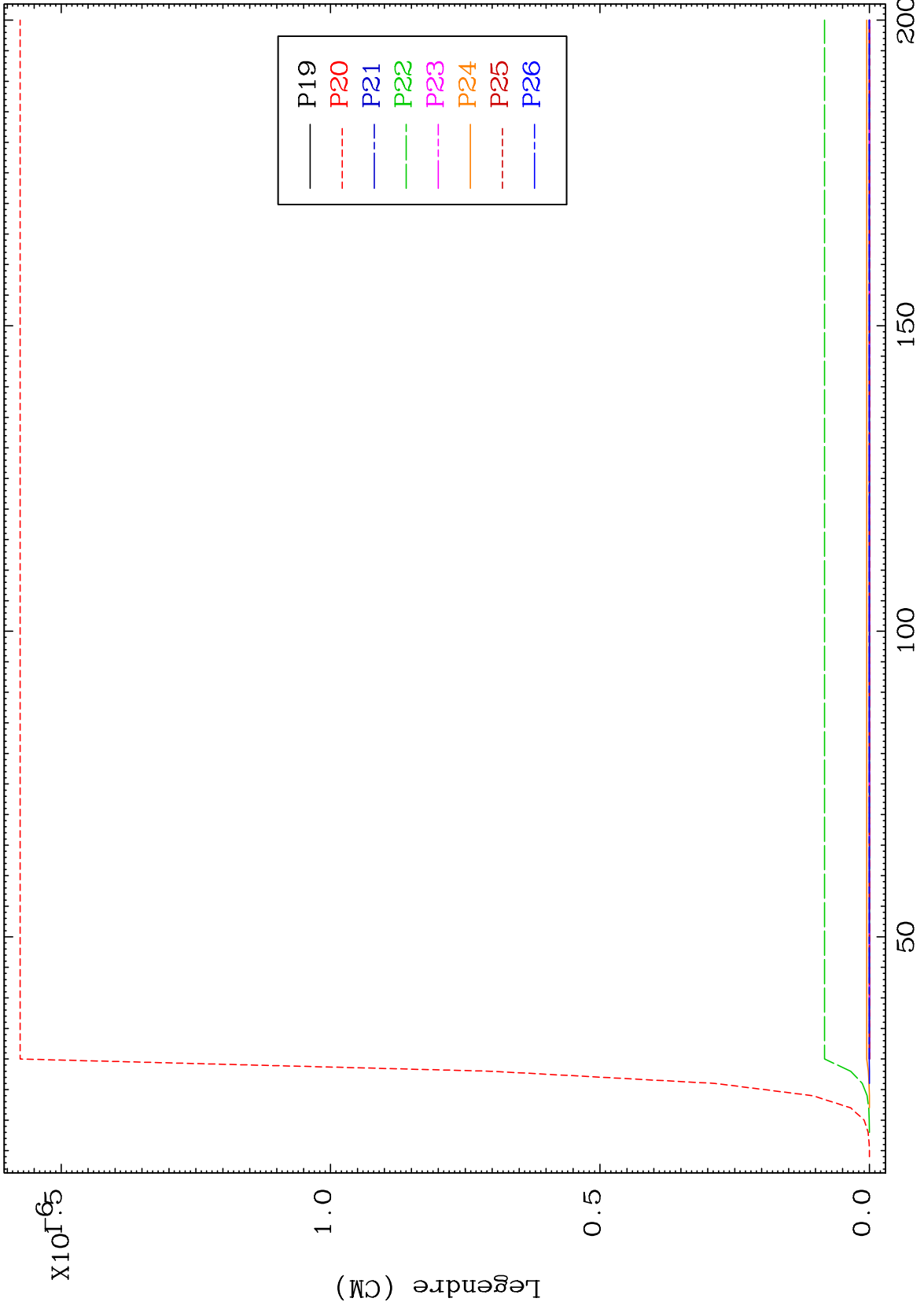


50-Sn-117

Incident Energy (MeV)

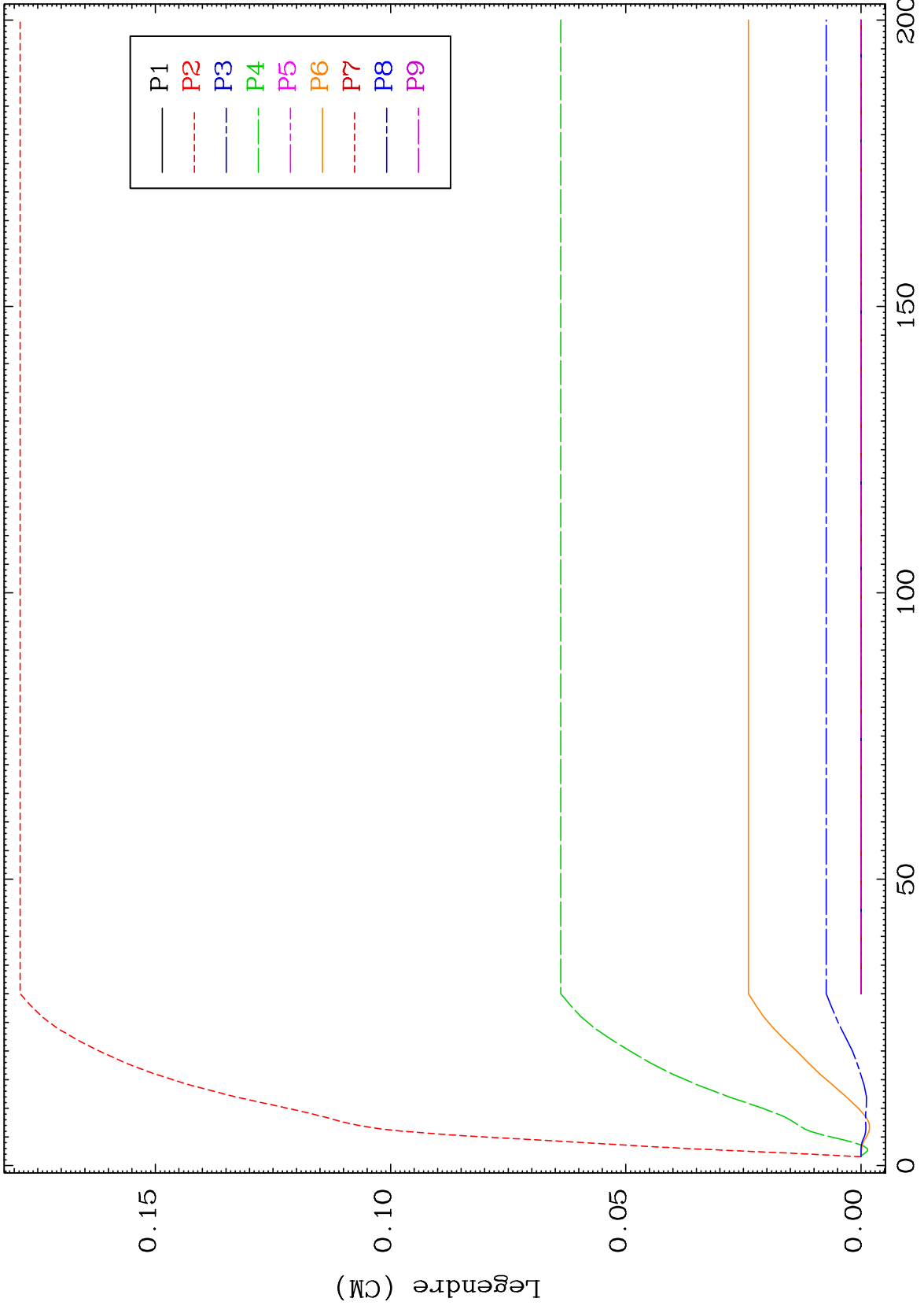
61

MAT 5040 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-117



62 Incident Energy (MeV) 50-Sn-117

MAT 5040 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-117



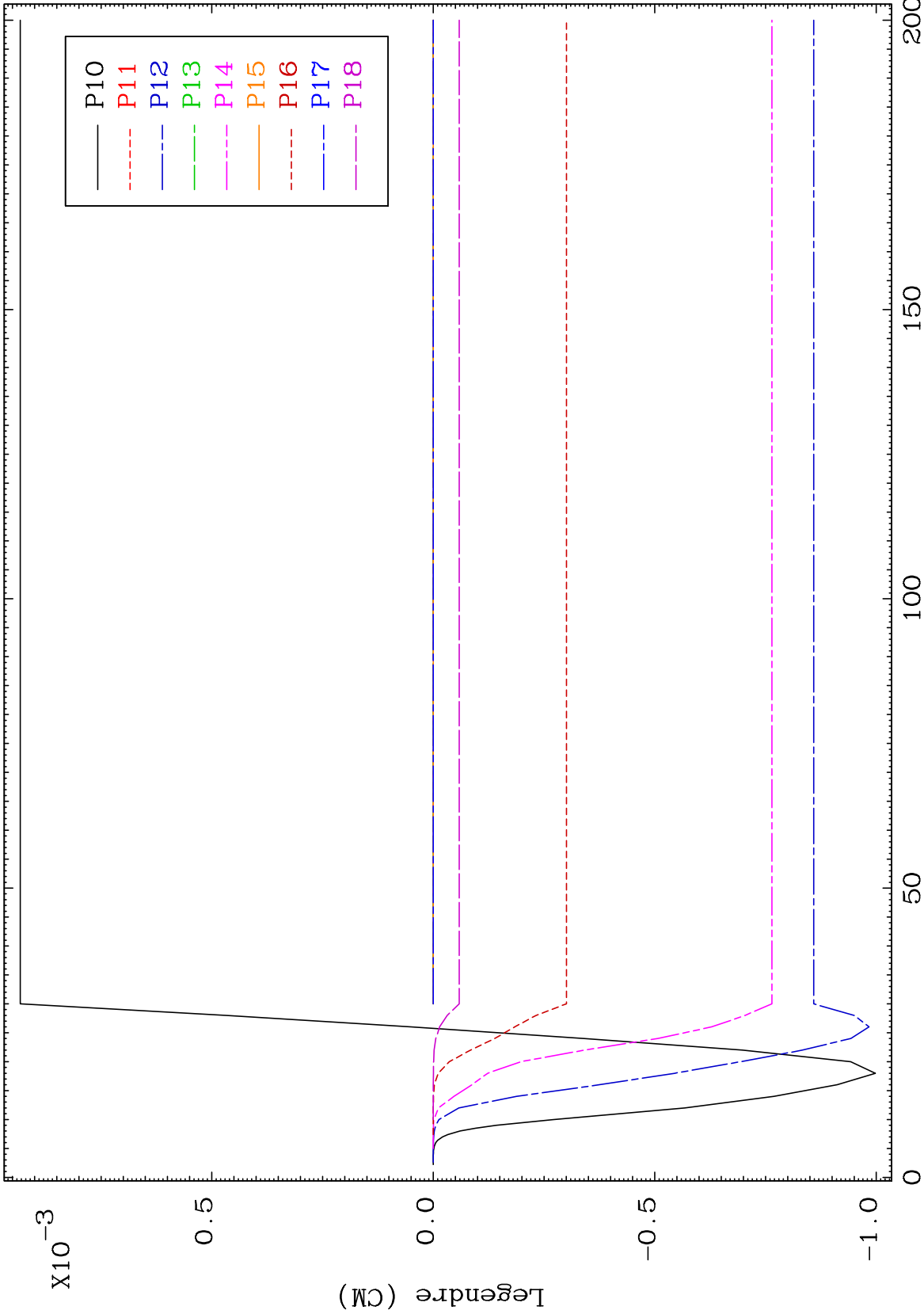
63 50-Sn-117



MAT 5040

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

50-Sn-117



64

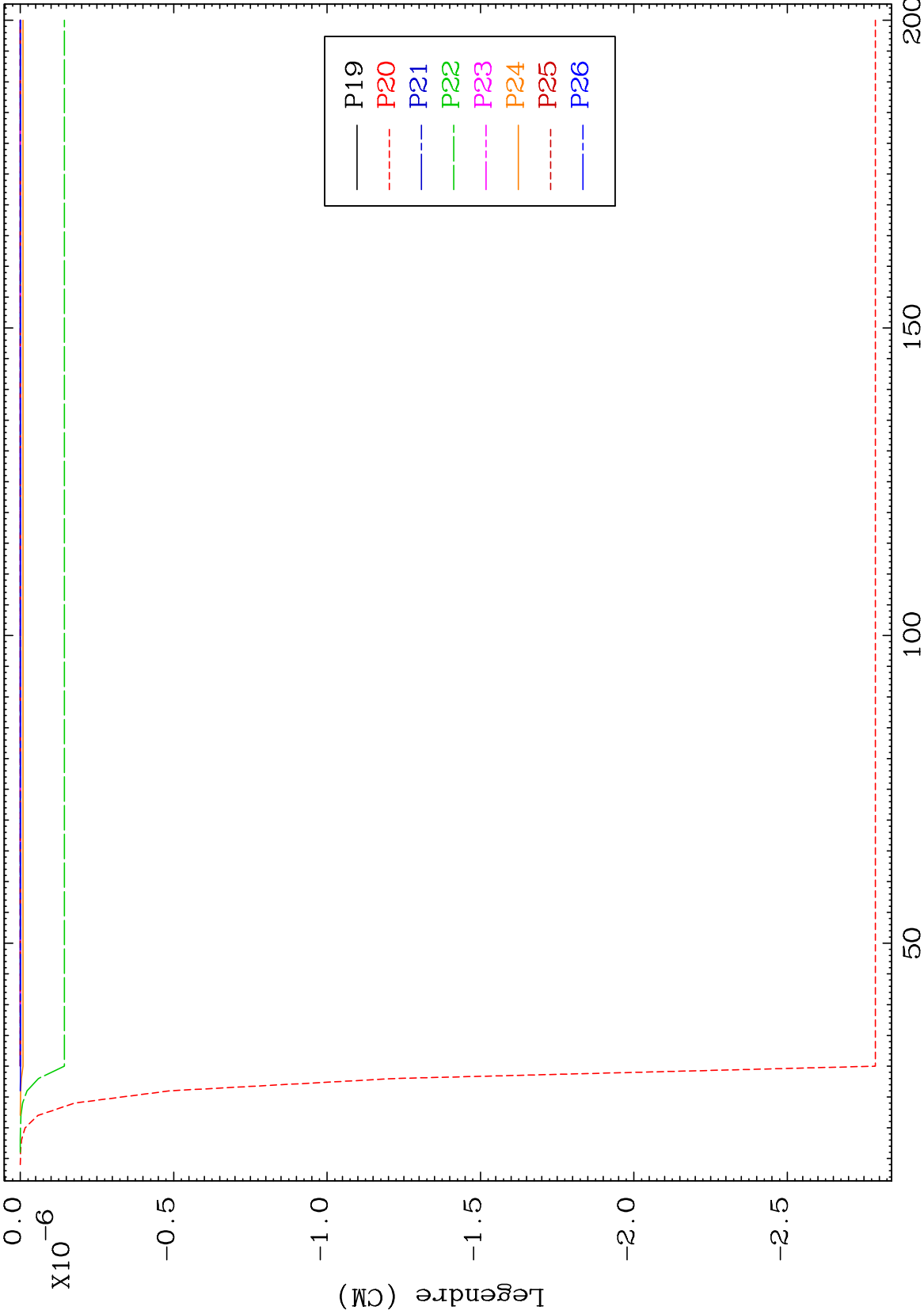
Incident Energy (MeV)

50-Sn-117

MAT 5040 MT= 65 (n,n') Level

50-Sn-117

Legendre Coefficients



50-Sn-117

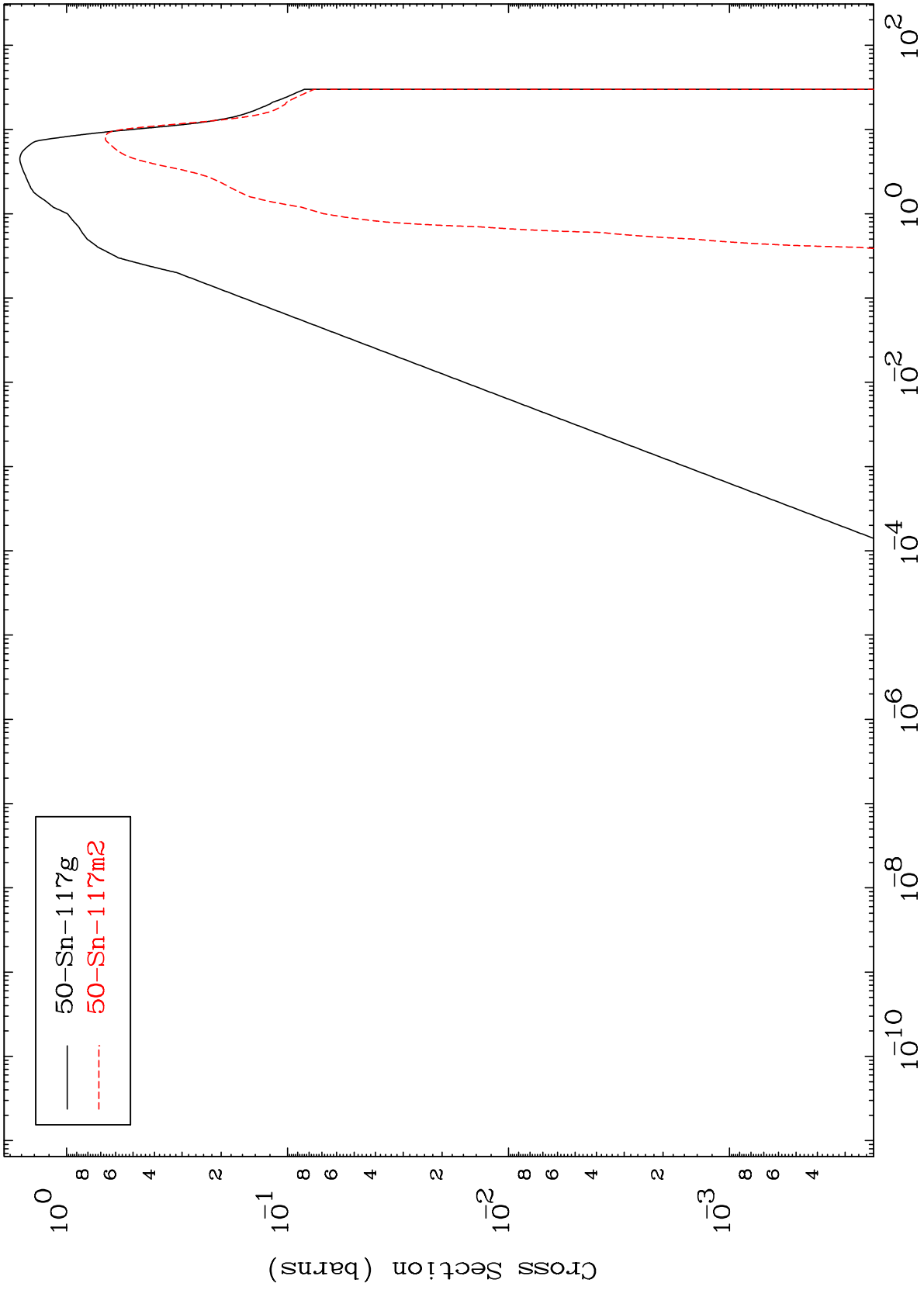
Incident Energy (MeV)

65

MAT 5040

Inelastic  
Radionuclide Production Cross Section

50-Sn-117



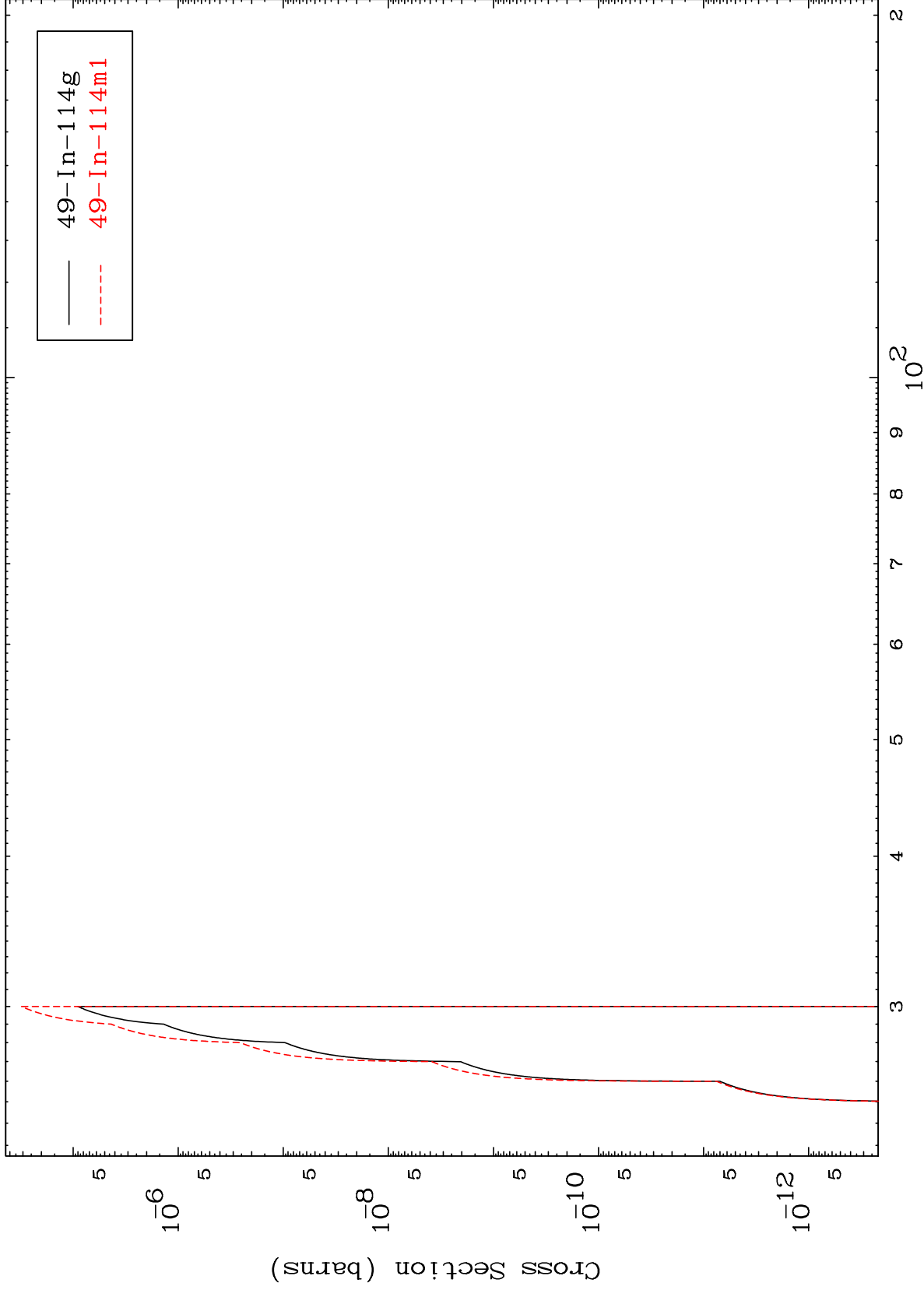
— 50-Sn-117g  
- - - 50-Sn-117m2

MAT 5040

(n,2n) d

50-Sn-117

Radionuclide Production Cross Section



67

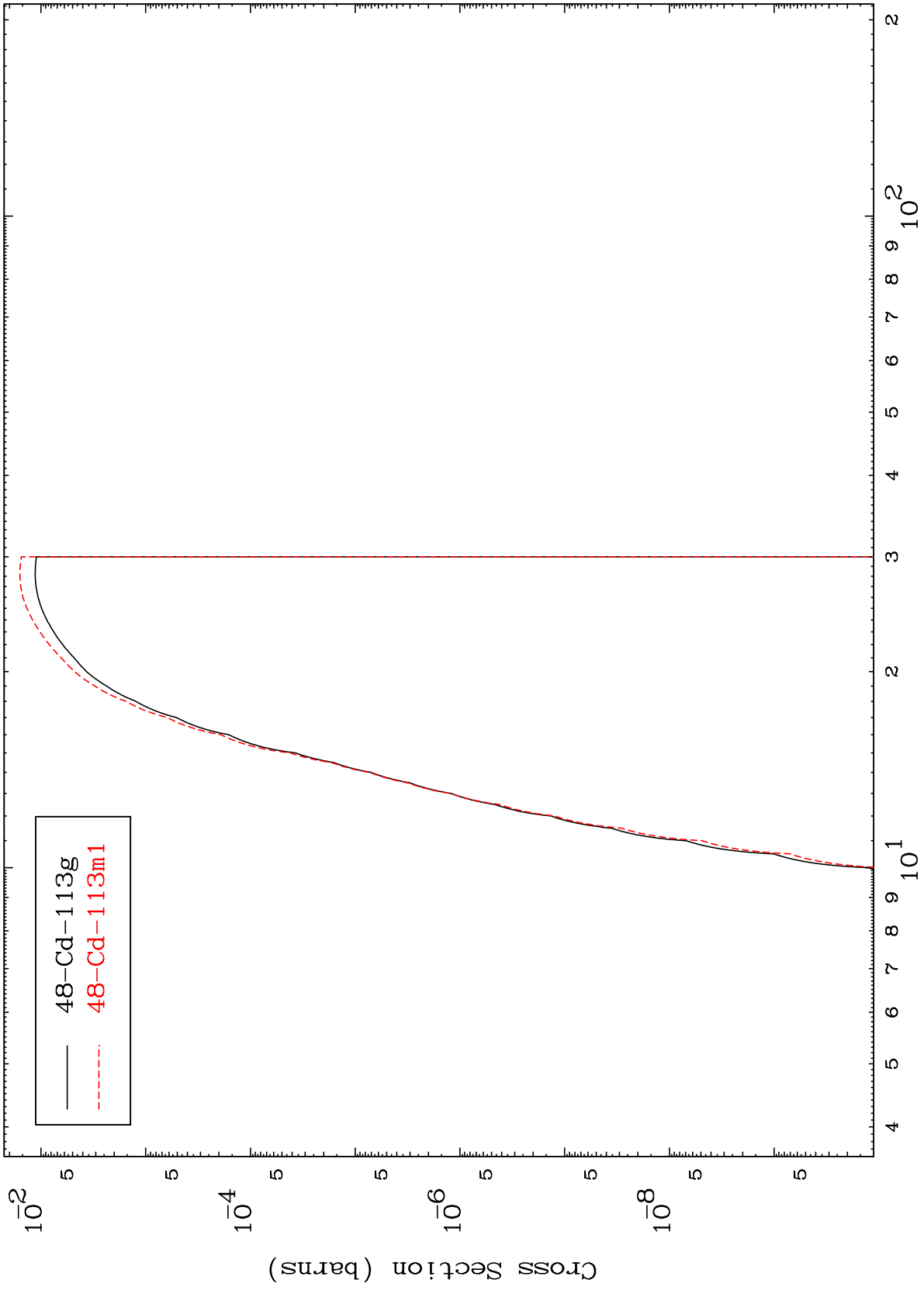
Incident Energy (MeV)

50-Sn-117

MAT 5040

50-Sn-117

(n,n')  $\alpha$   
Radionuclide Production Cross Section



48-Cd-113g  
48-Cd-113m1

68

Incident Energy (MeV)

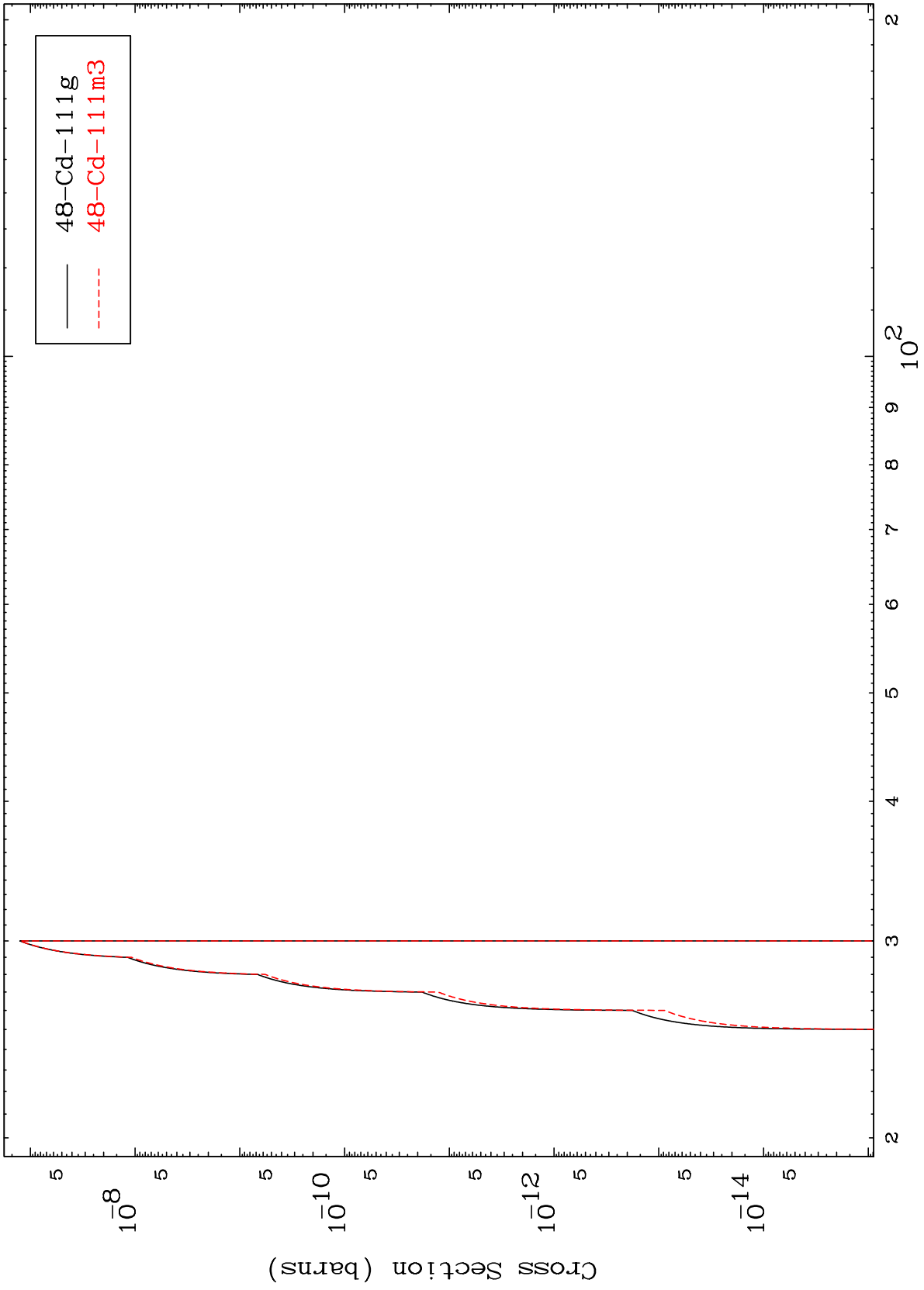
50-Sn-117

MAT 5040

(n,3n)  $\alpha$

50-Sn-117

Radionuclide Production Cross Section



69

Incident Energy (MeV)

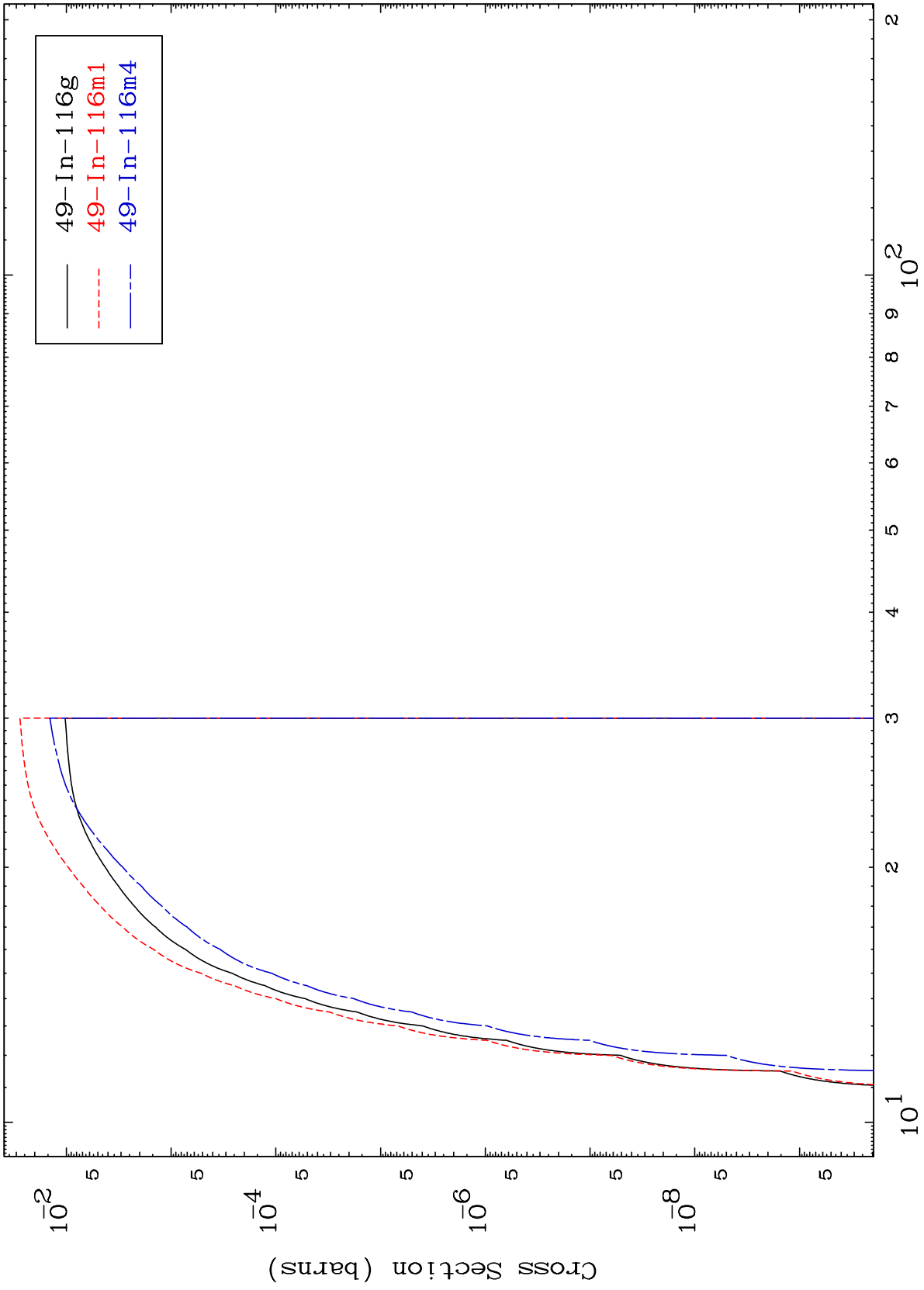
50-Sn-117

MAT 5040

(n,n') p

50-Sn-117

Radionuclide Production Cross Section



70

Incident Energy (MeV)

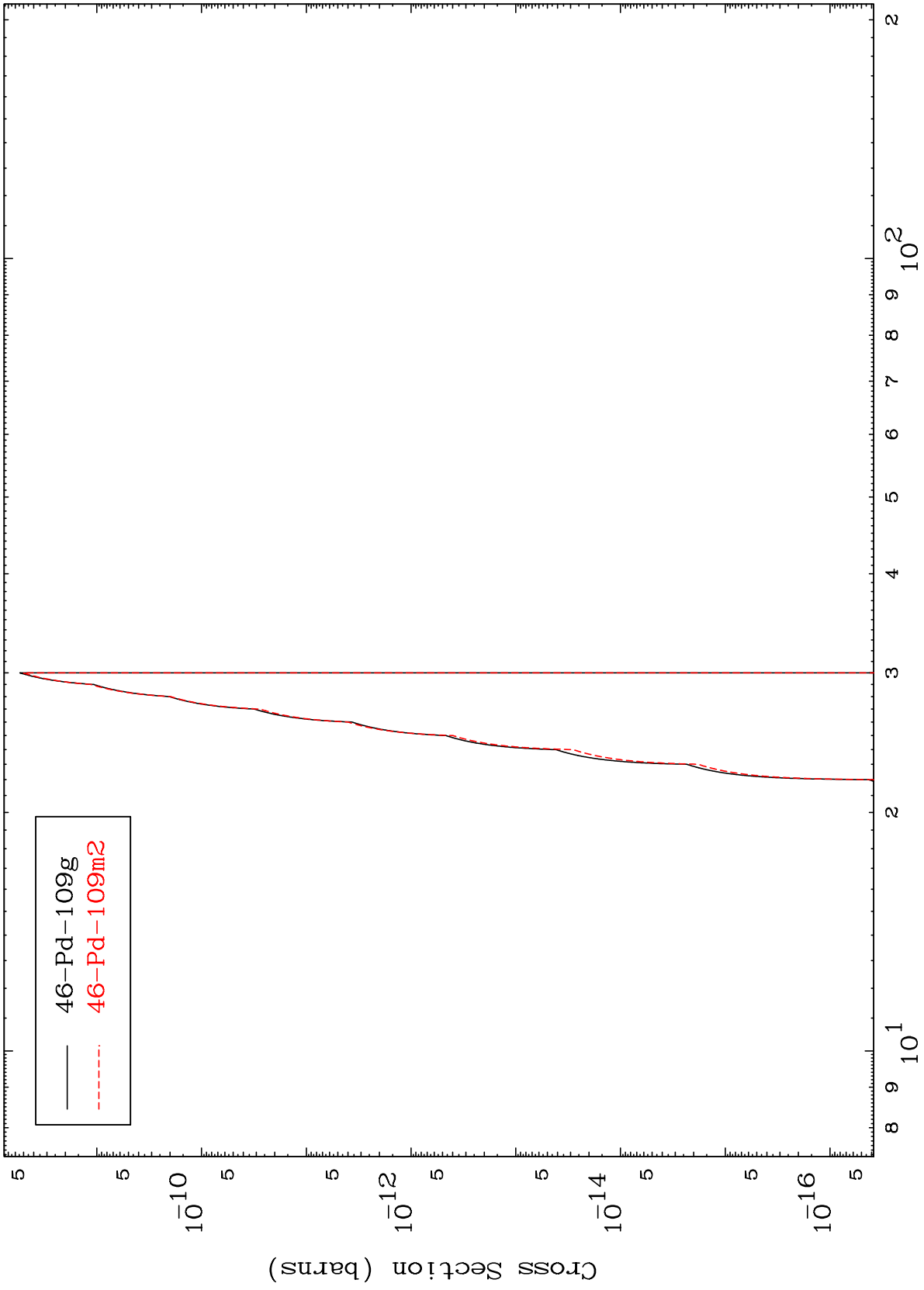
50-Sn-117

MAT 5040

(n,n') 2α

50-Sn-117

Radionuclide Production Cross Section

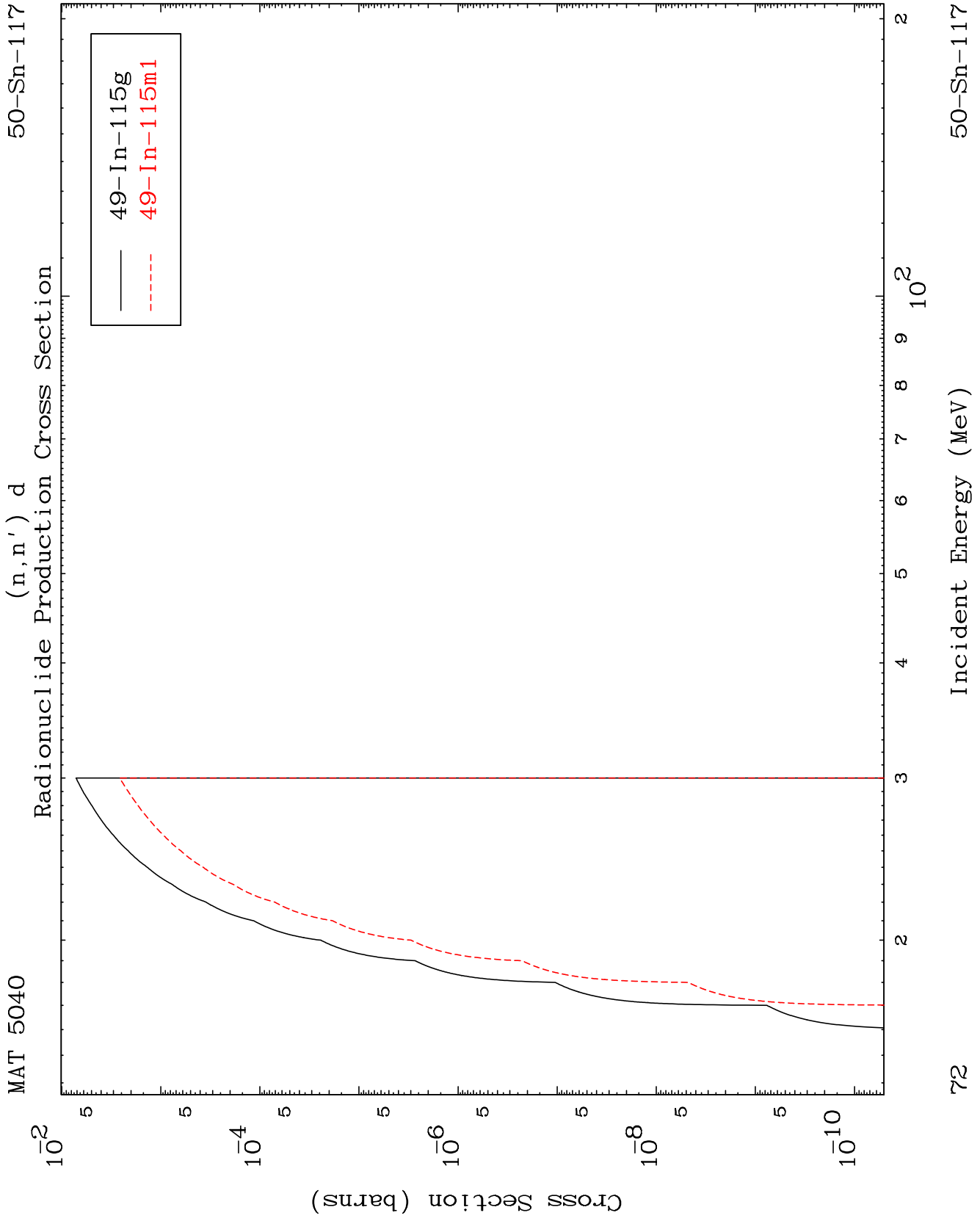


71

Incident Energy (MeV)

50-Sn-117



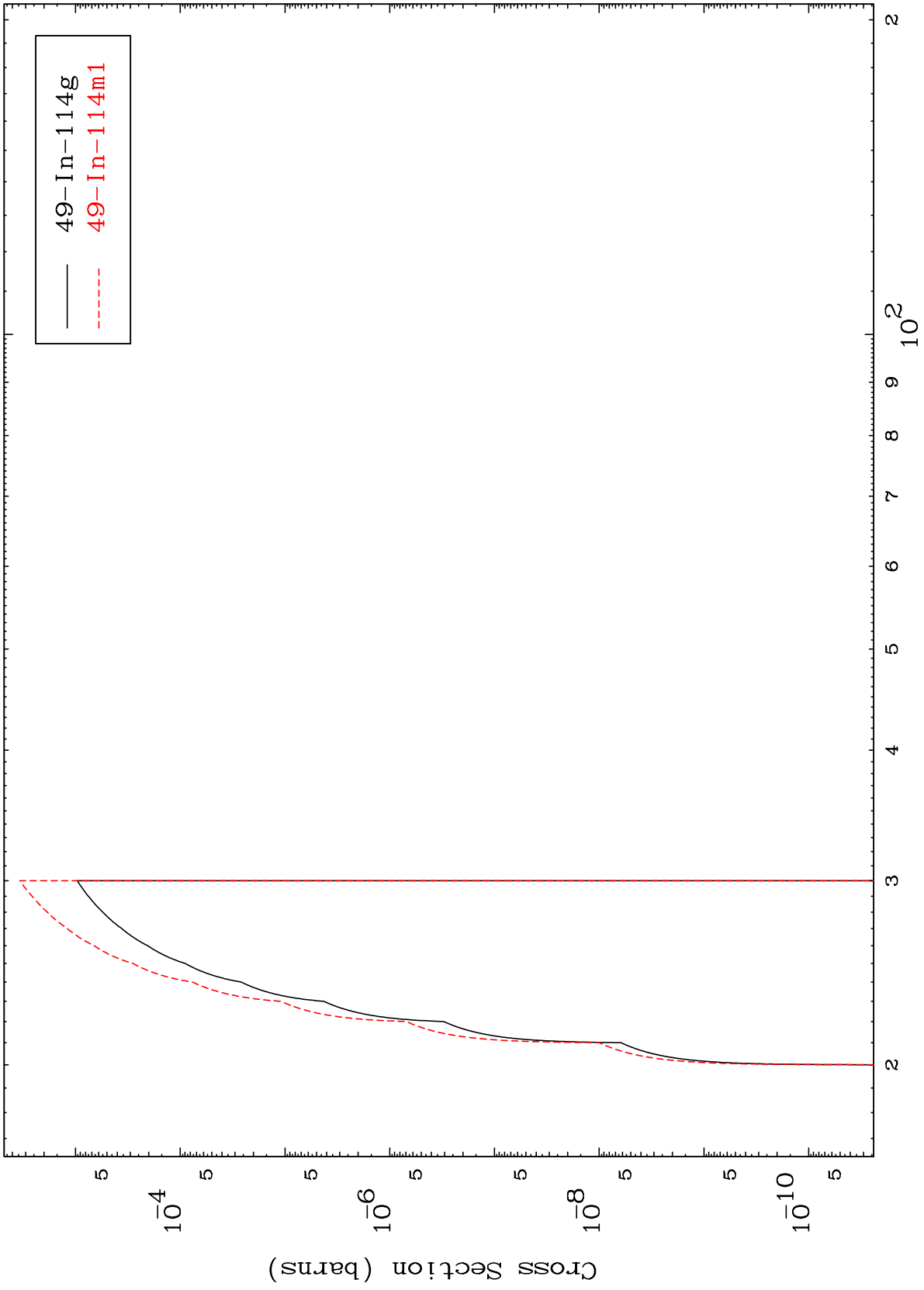


MAT 5040

(n,n') t

50-Sn-117

Radionuclide Production Cross Section



73

Incident Energy (MeV)

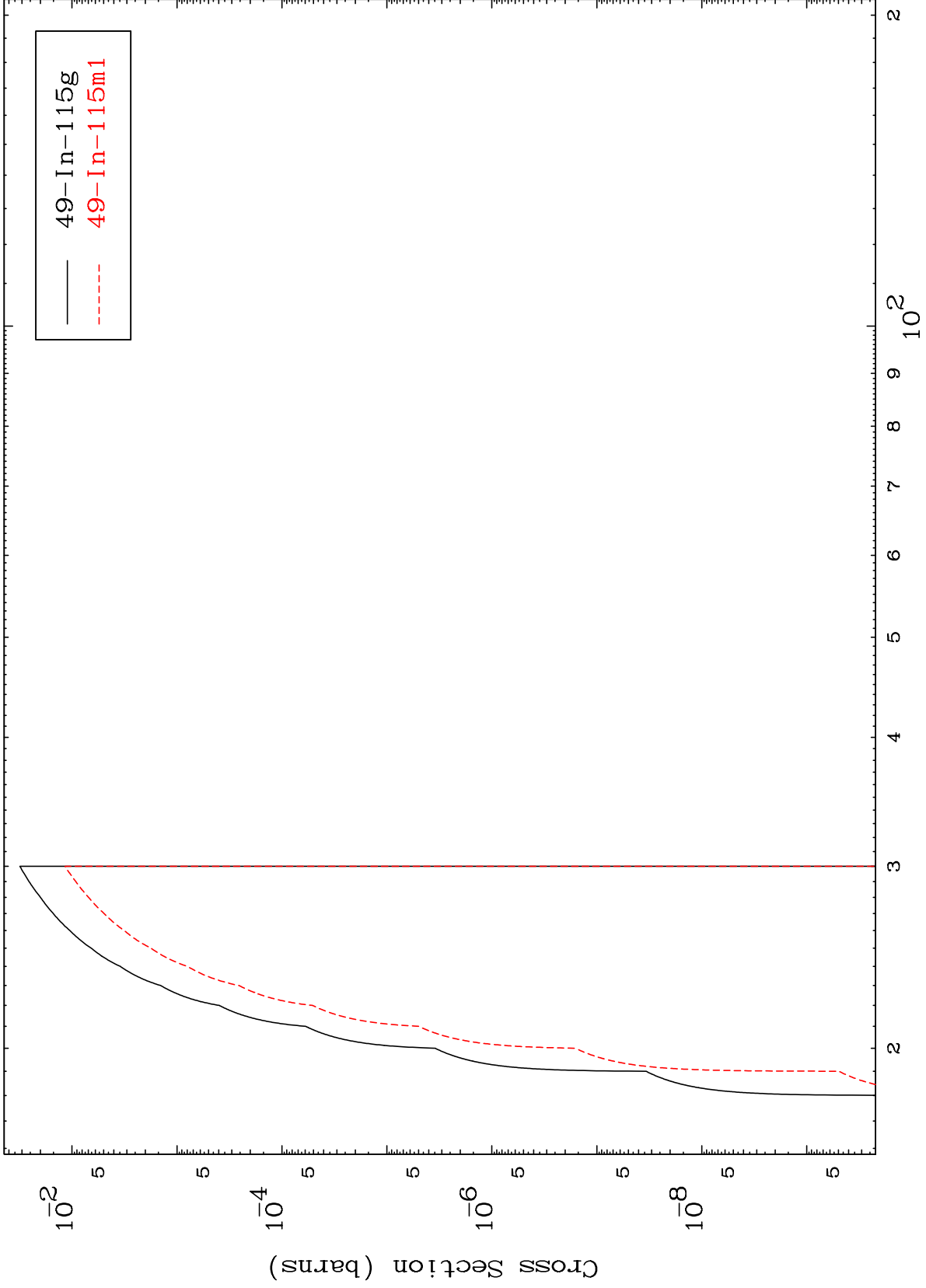
50-Sn-117

MAT 5040

(n,2n) p

50-Sn-117

Radionuclide Production Cross Section



74

Incident Energy (MeV)

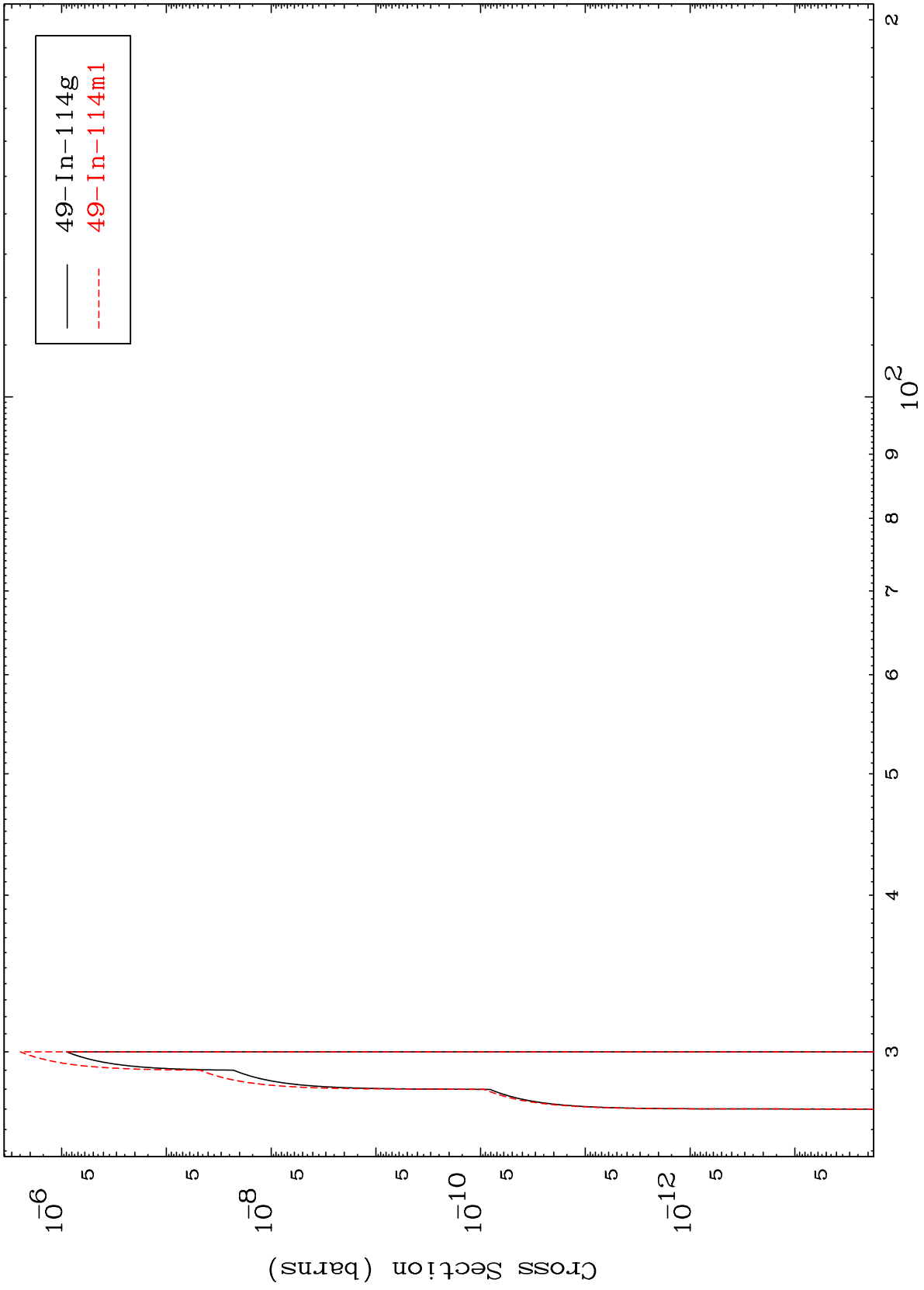
50-Sn-117

MAT 5040

(n,3n) p

50-Sn-117

Radionuclide Production Cross Section



75

Incident Energy (MeV)

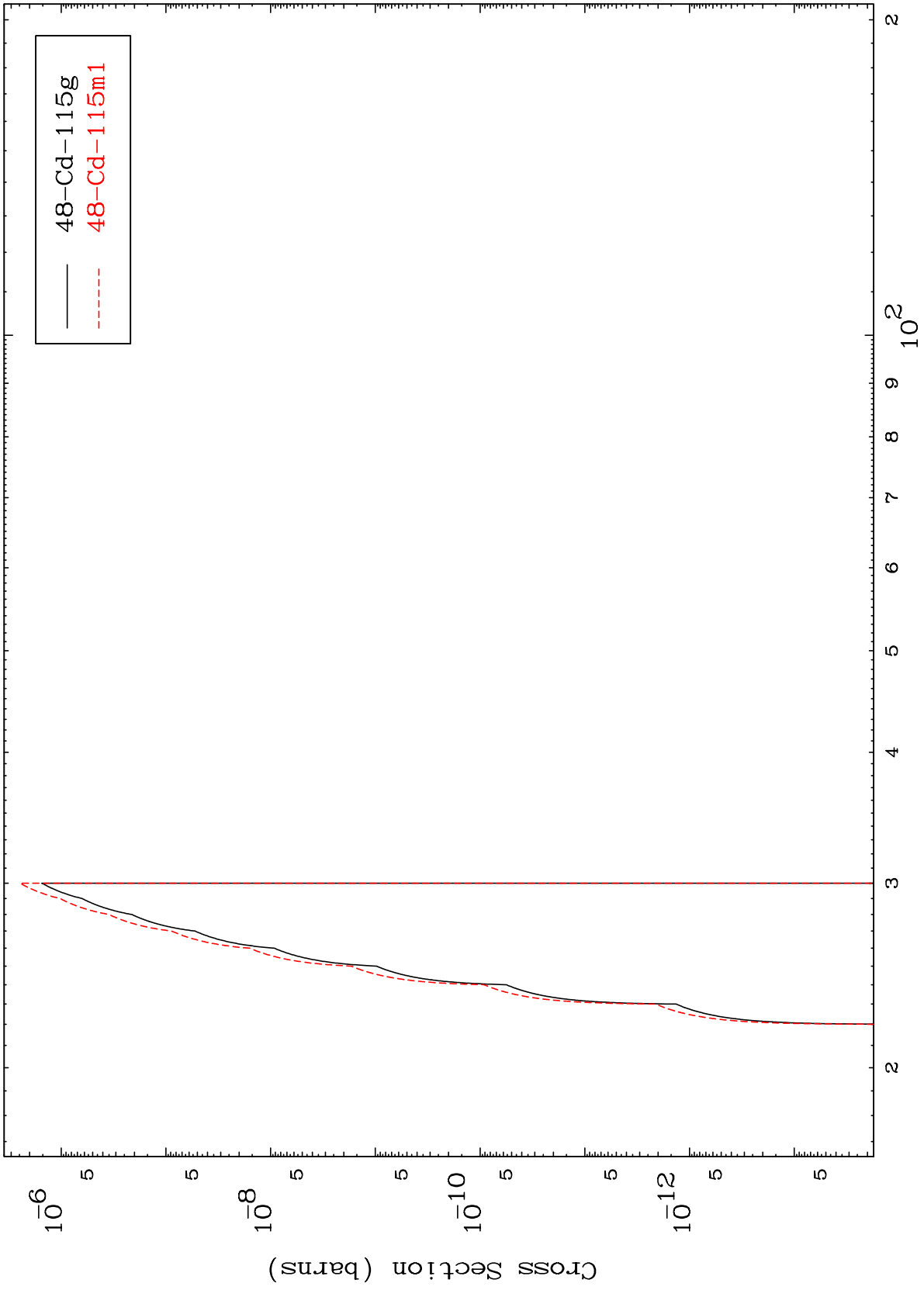
50-Sn-117

MAT 5040

(n,2n) p

50-Sn-117

Radionuclide Production Cross Section



48-Cd-115g  
48-Cd-115m1

76

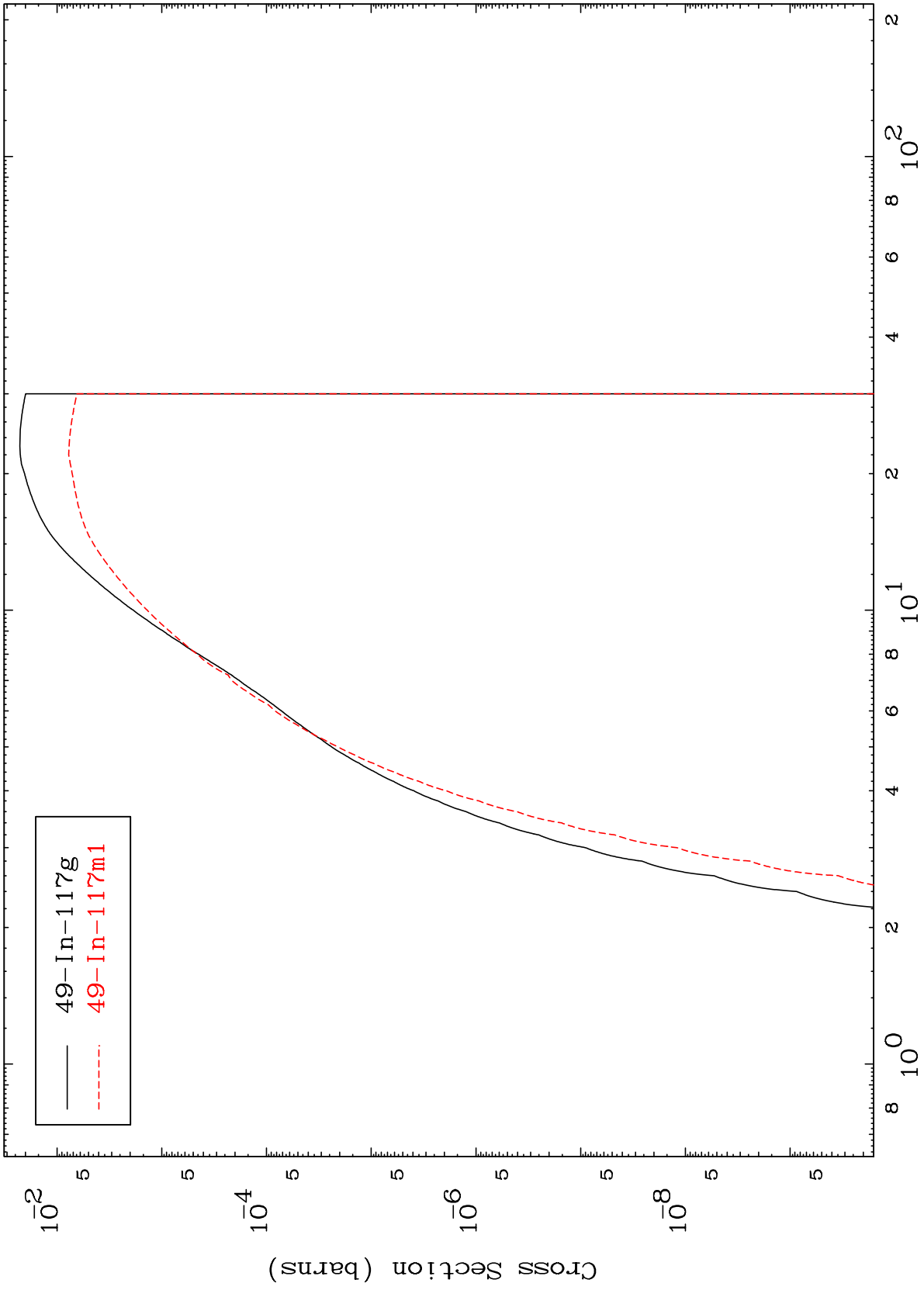
Incident Energy (MeV)

50-Sn-117

MAT 5040

50-Sn-117

Radionuclide Production Cross Section  
(n,p)



77

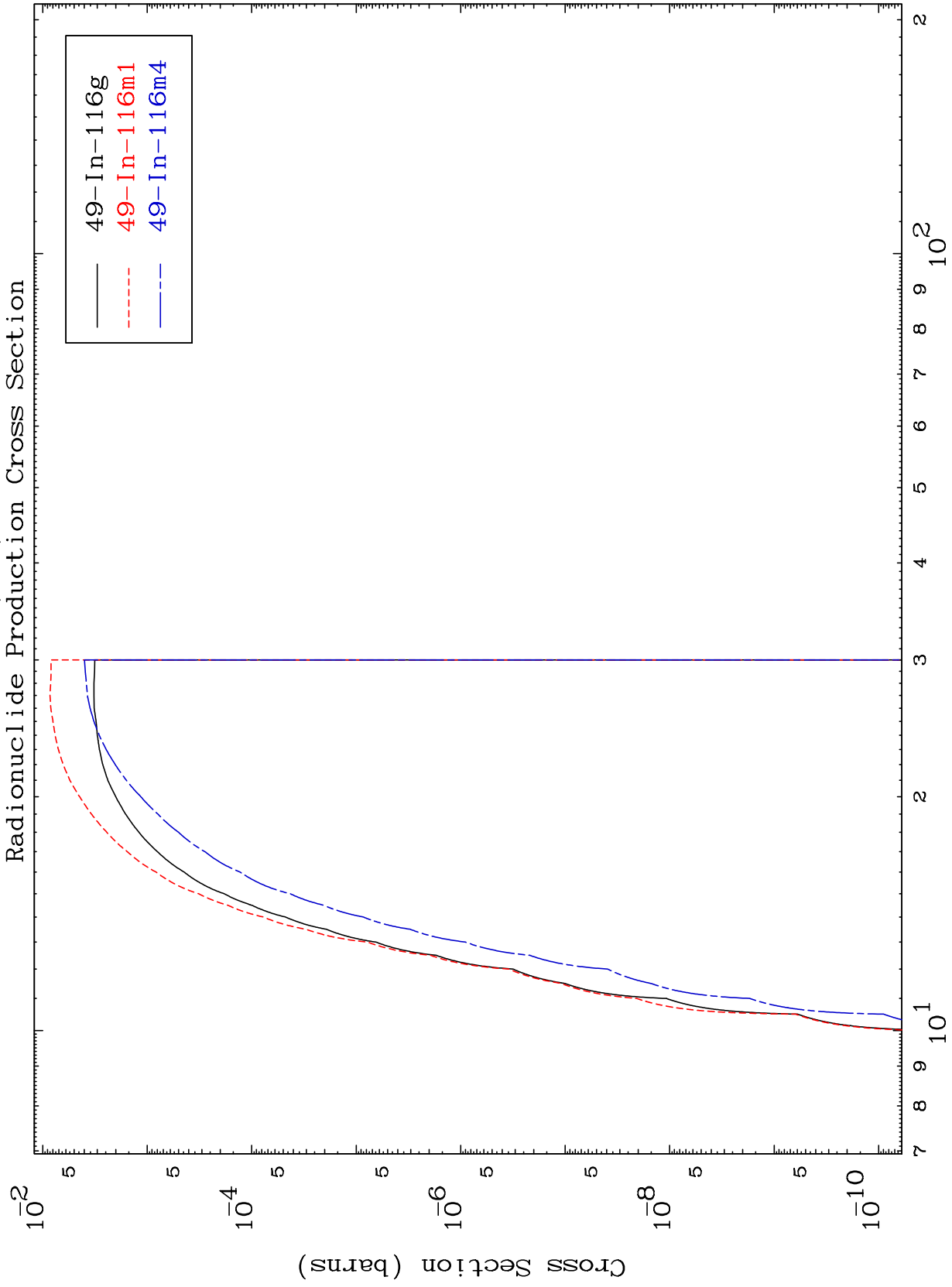
Incident Energy (MeV)

50-Sn-117

MAT 5040

(n,d)

50-Sn-117



50-Sn-117

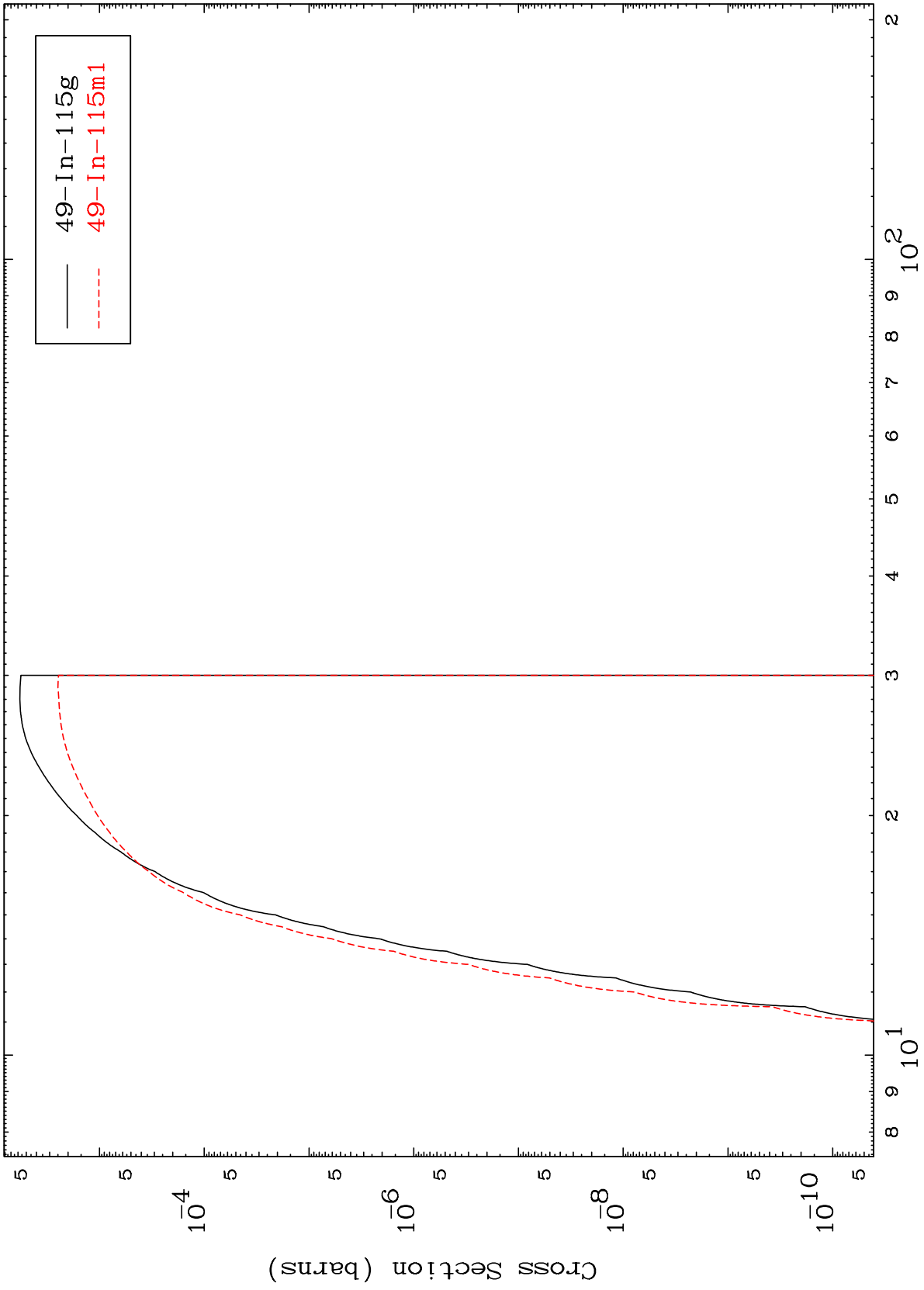
Incident Energy (MeV)

78

MAT 5040

50-Sn-117

(n, t)  
Radionuclide Production Cross Section



79

Incident Energy (MeV)

50-Sn-117

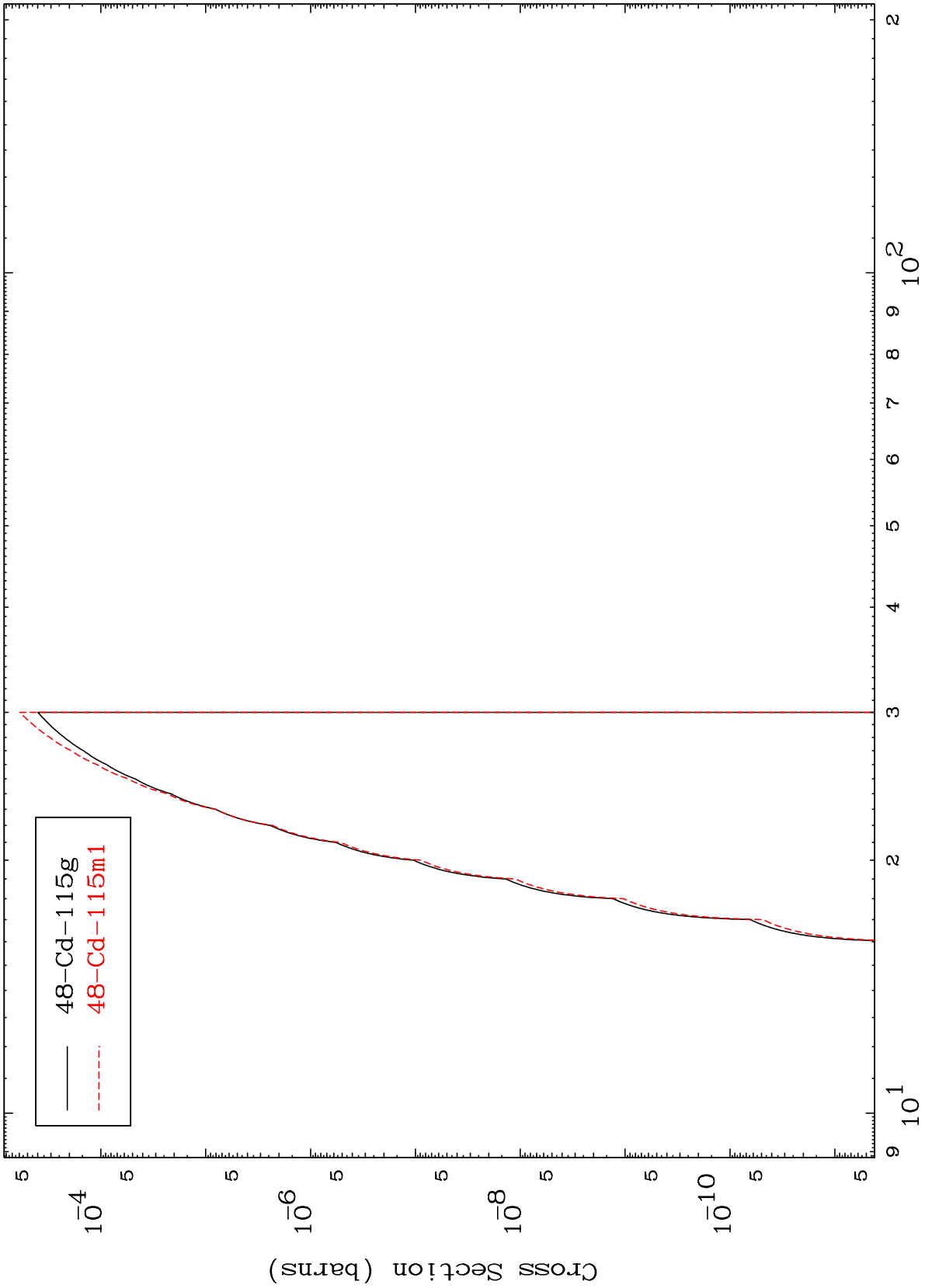


MAT 5040

(n,He-3)

50-Sn-117

Radionuclide Production Cross Section



48-Cd-115g  
48-Cd-115m1

80

Incident Energy (MeV)

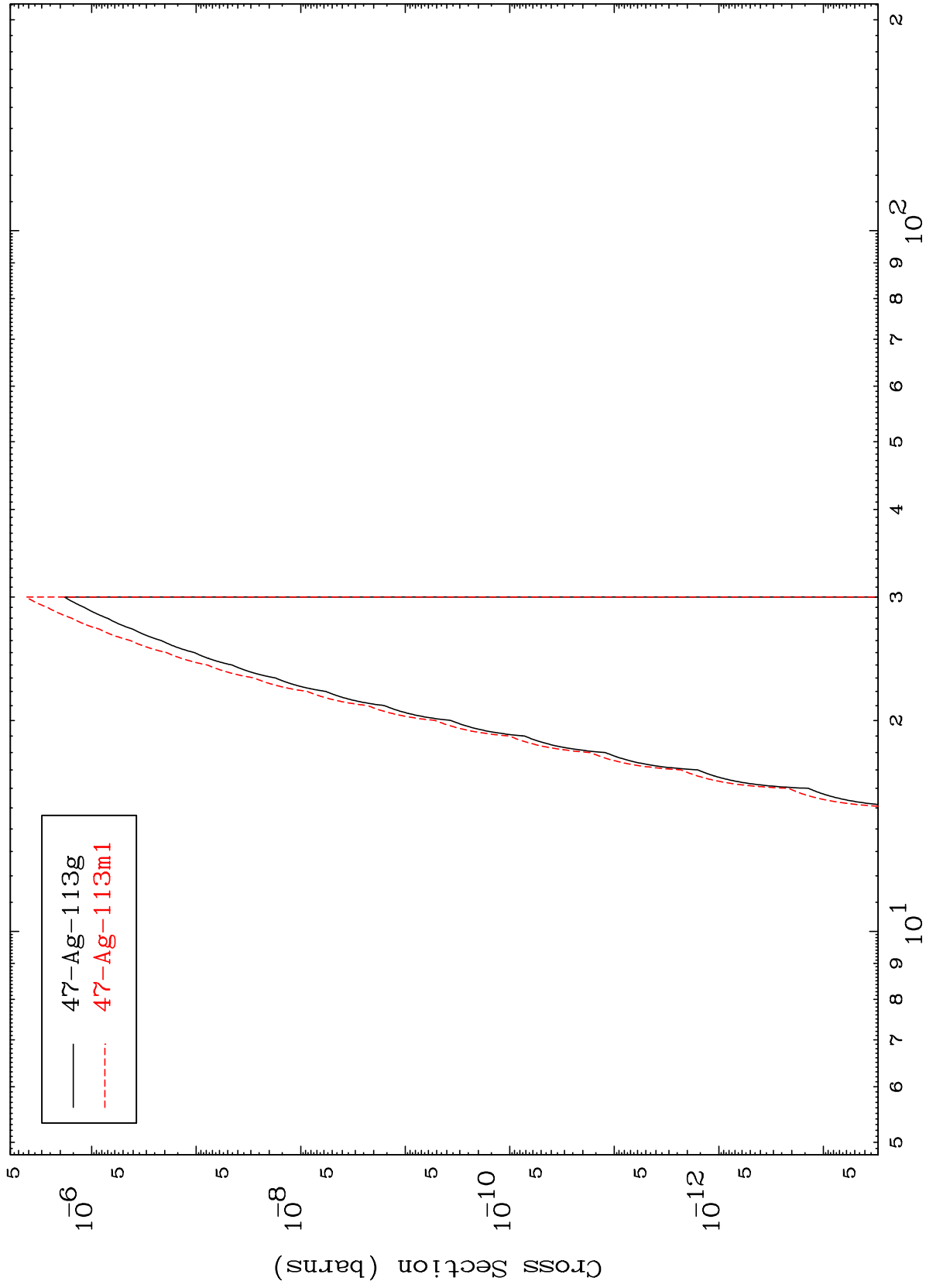
50-Sn-117

MAT 5040

(n,p)  $\alpha$

50-Sn-117

Radionuclide Production Cross Section



81

Incident Energy (MeV)

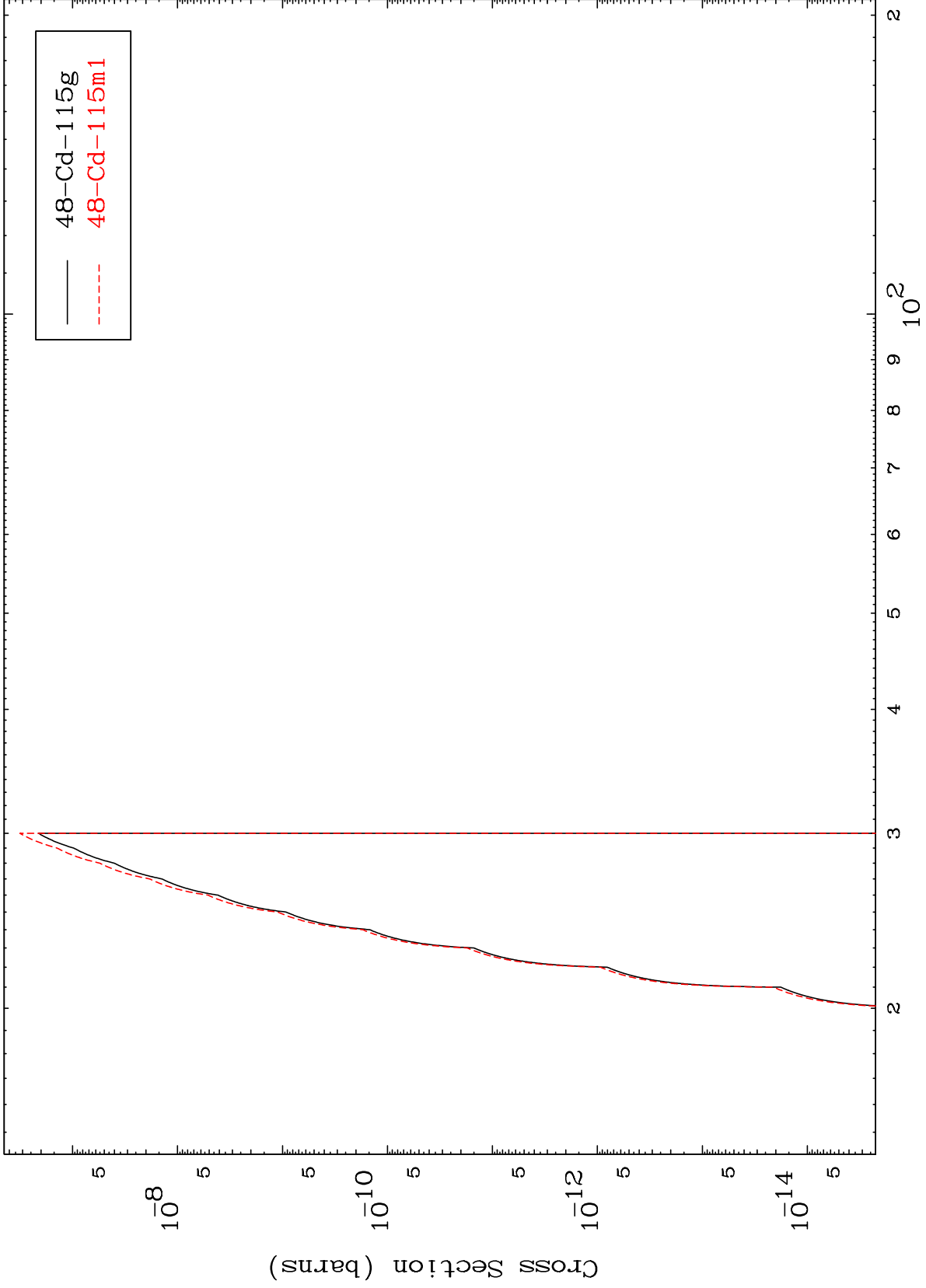
50-Sn-117

MAT 5040

(n,p) d

50-Sn-117

Radionuclide Production Cross Section



82

Incident Energy (MeV)

50-Sn-117