

Program EVALPLOT  
(Version 2021-1)

by

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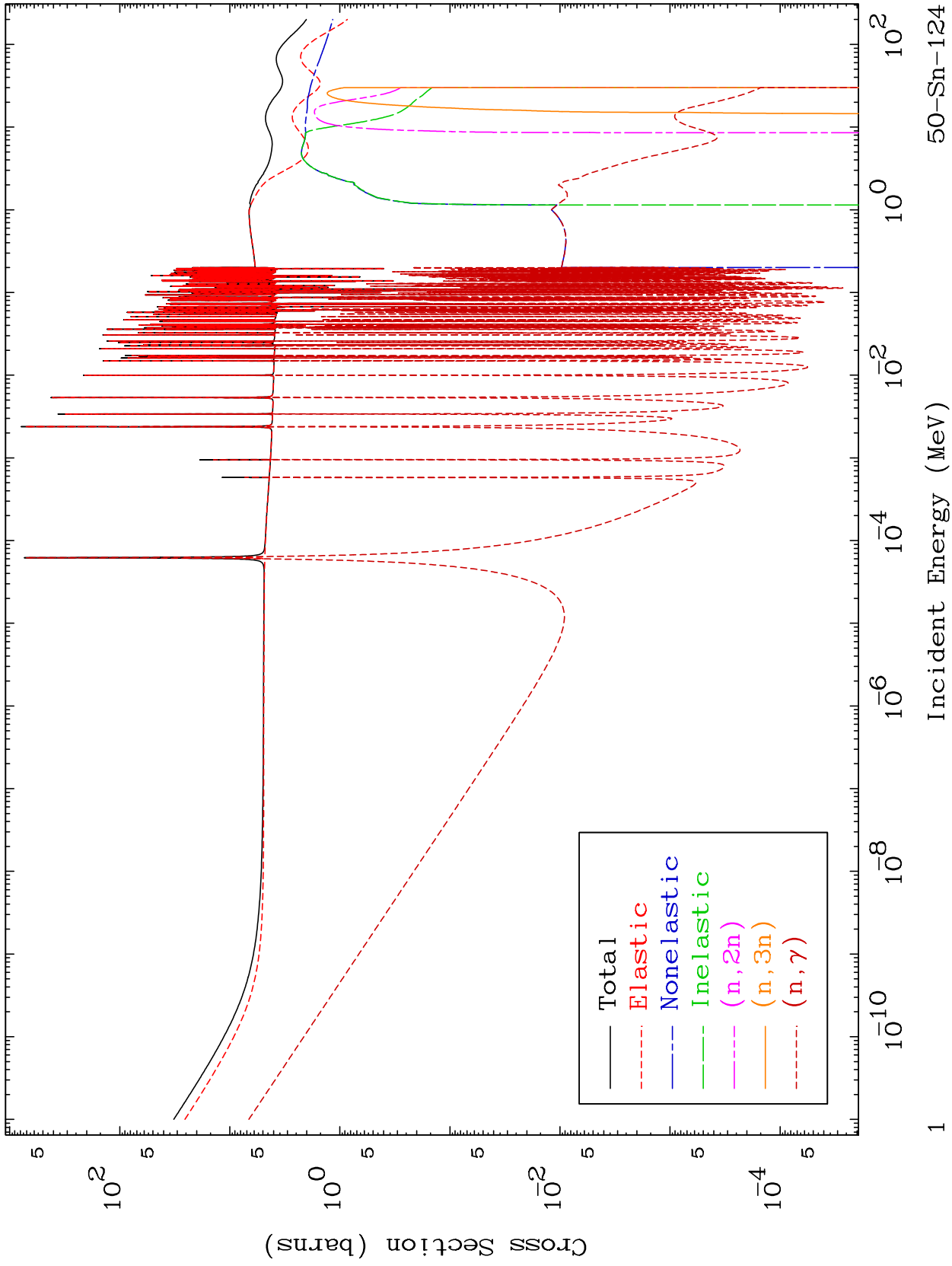
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5061

Neutron Major  
293 Kelvin Cross Sections

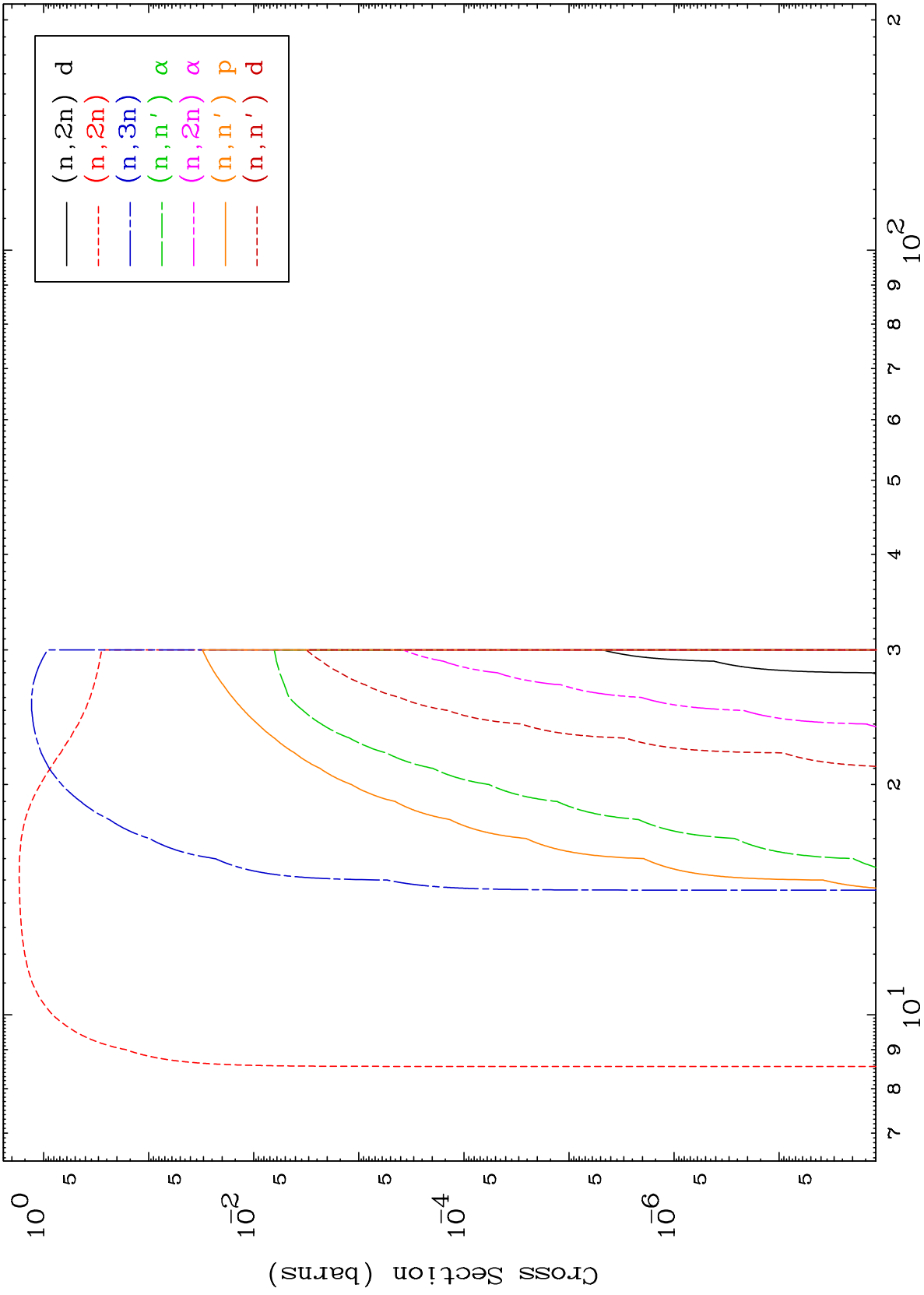
50-Sn-124



MAT 5061

Neutron Absorption  
293 Kelvin Cross Sections

50-Sn-124



2

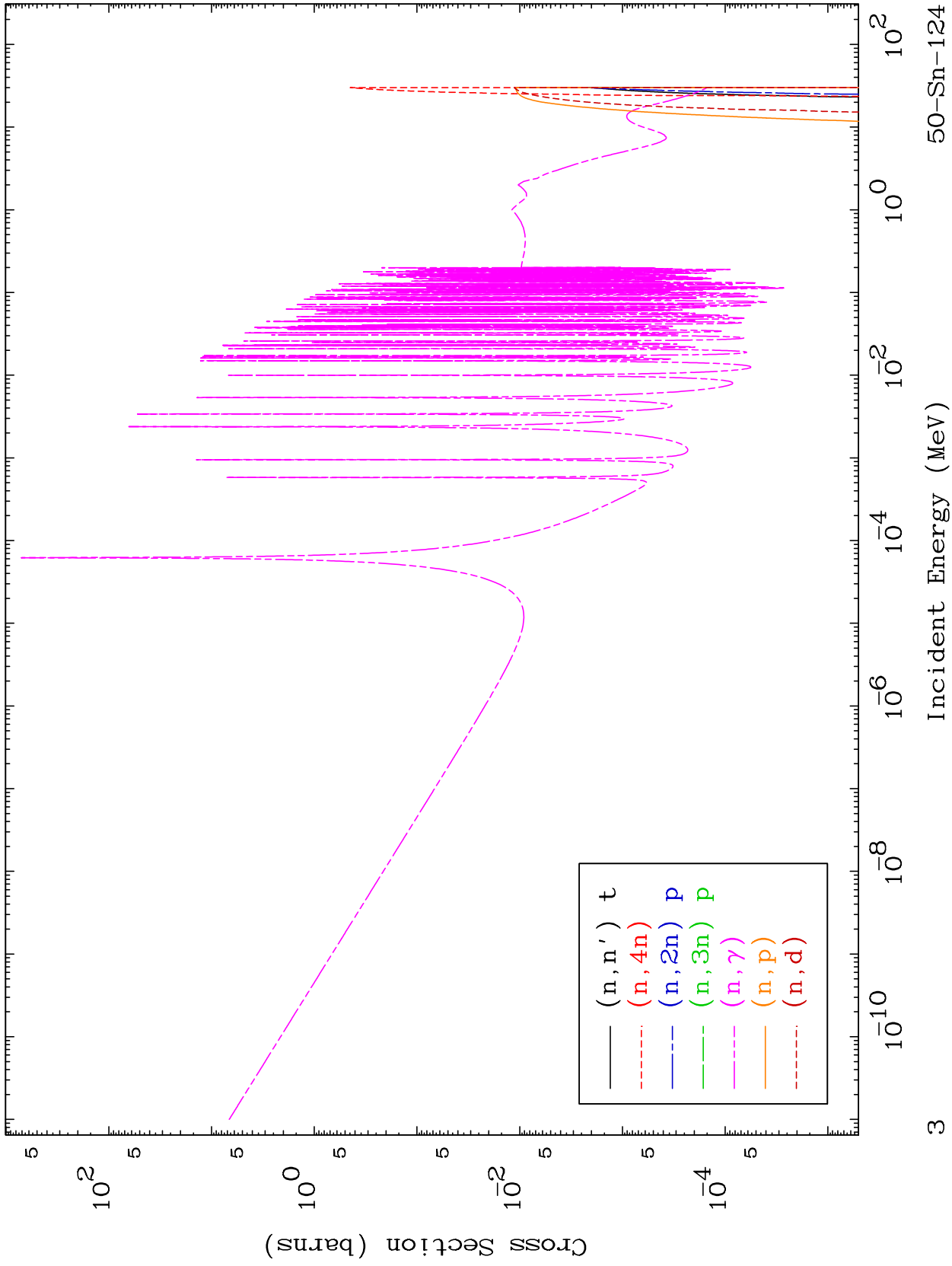
Incident Energy (MeV)

50-Sn-124

MAT 5061

Neutron Absorption  
293 Kelvin Cross Sections

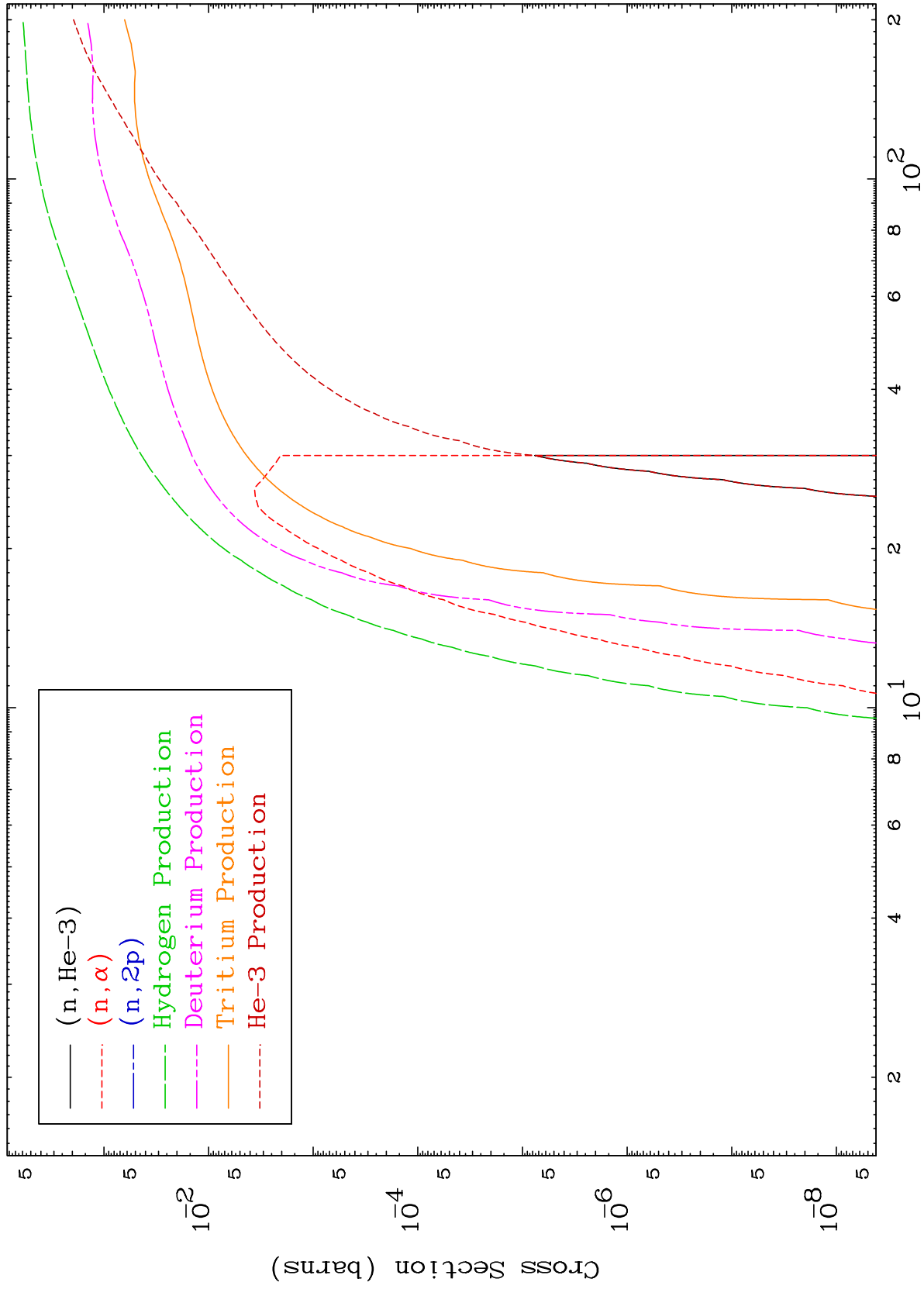
50-Sn-124

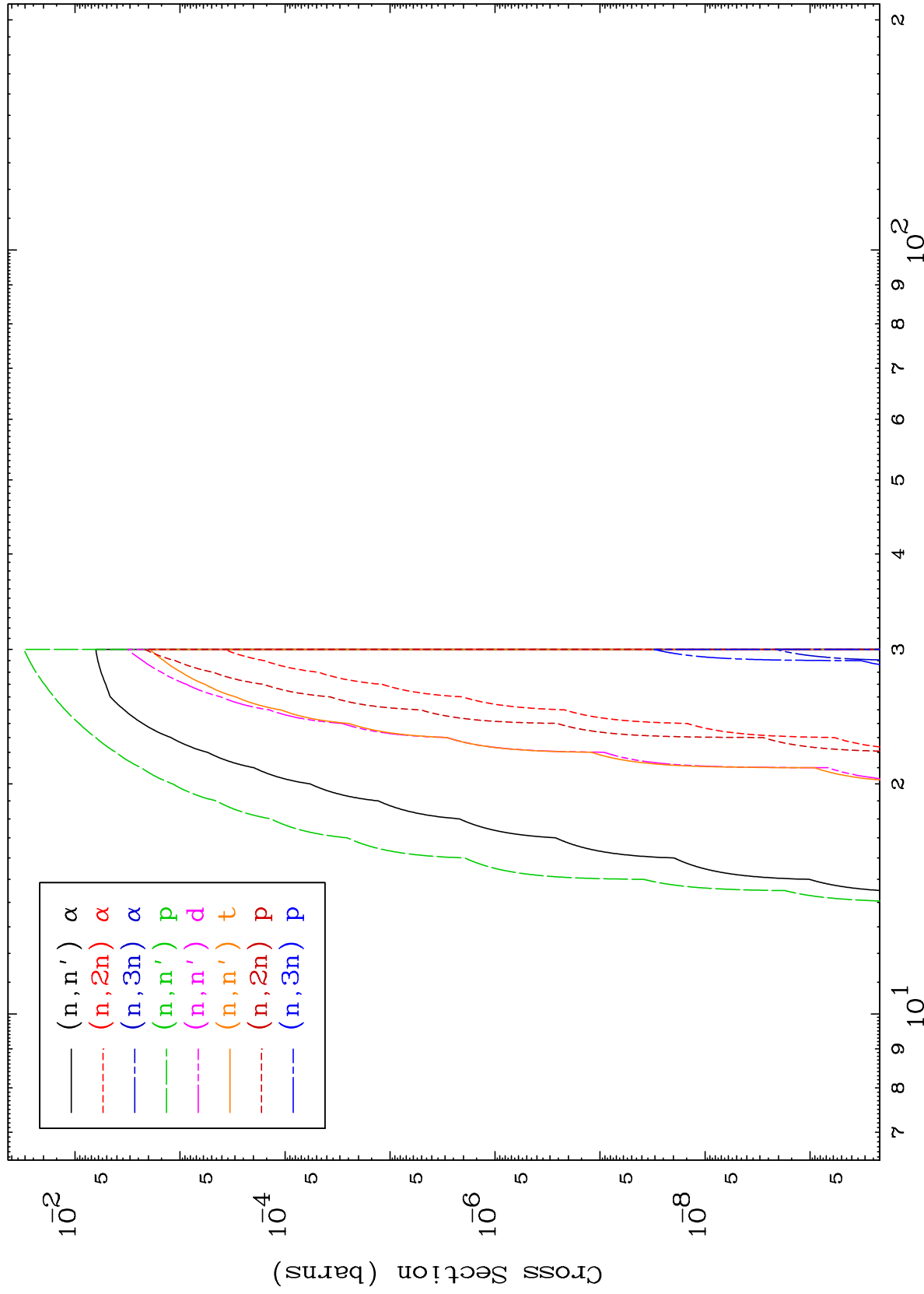


MAT 5061

Neutron Absorption  
293 Kelvin Cross Sections

50-Sn-124

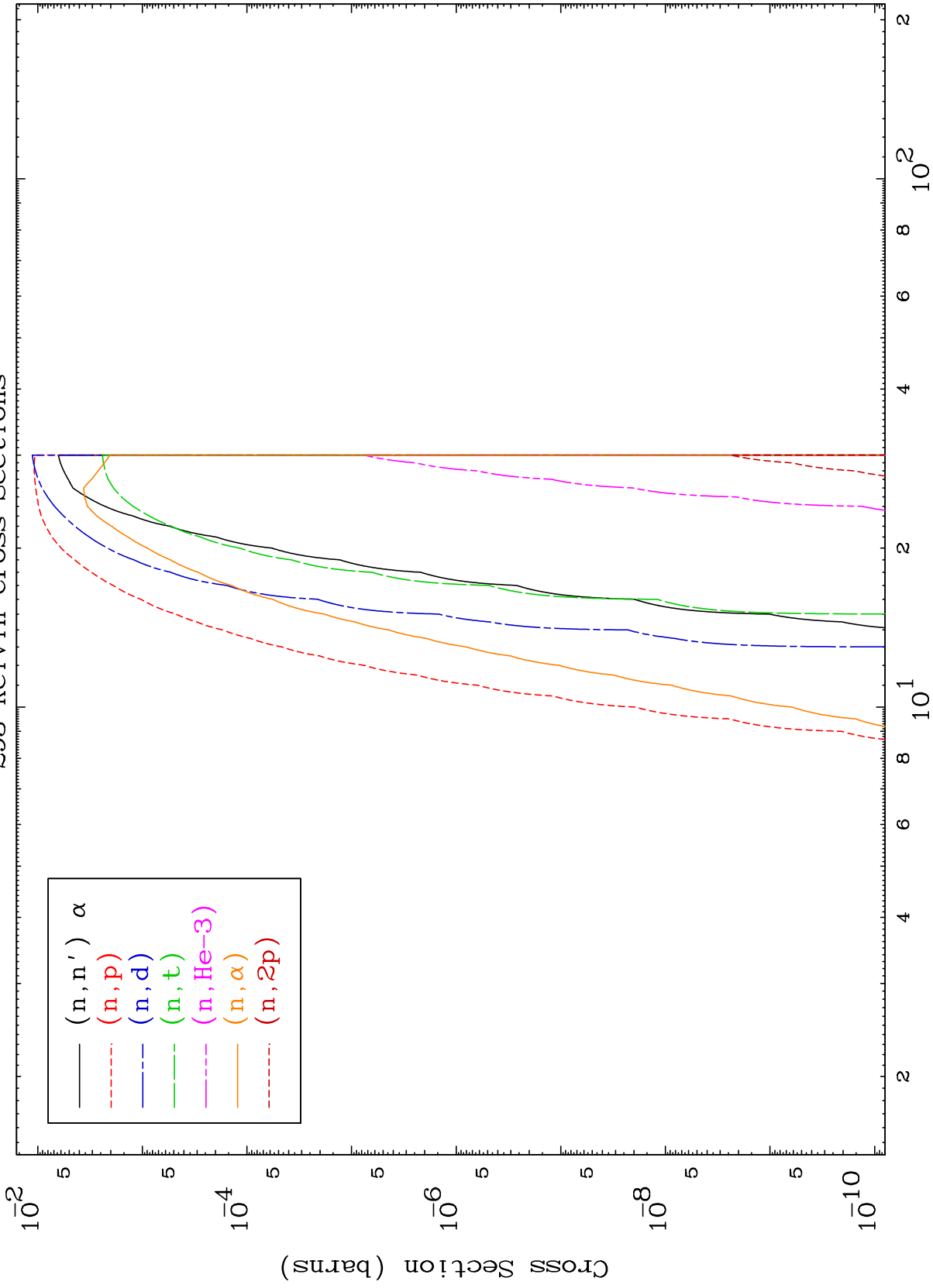




MAT 5061

Charged Particle  
293 Kelvin Cross Sections

50-Sn-124



6

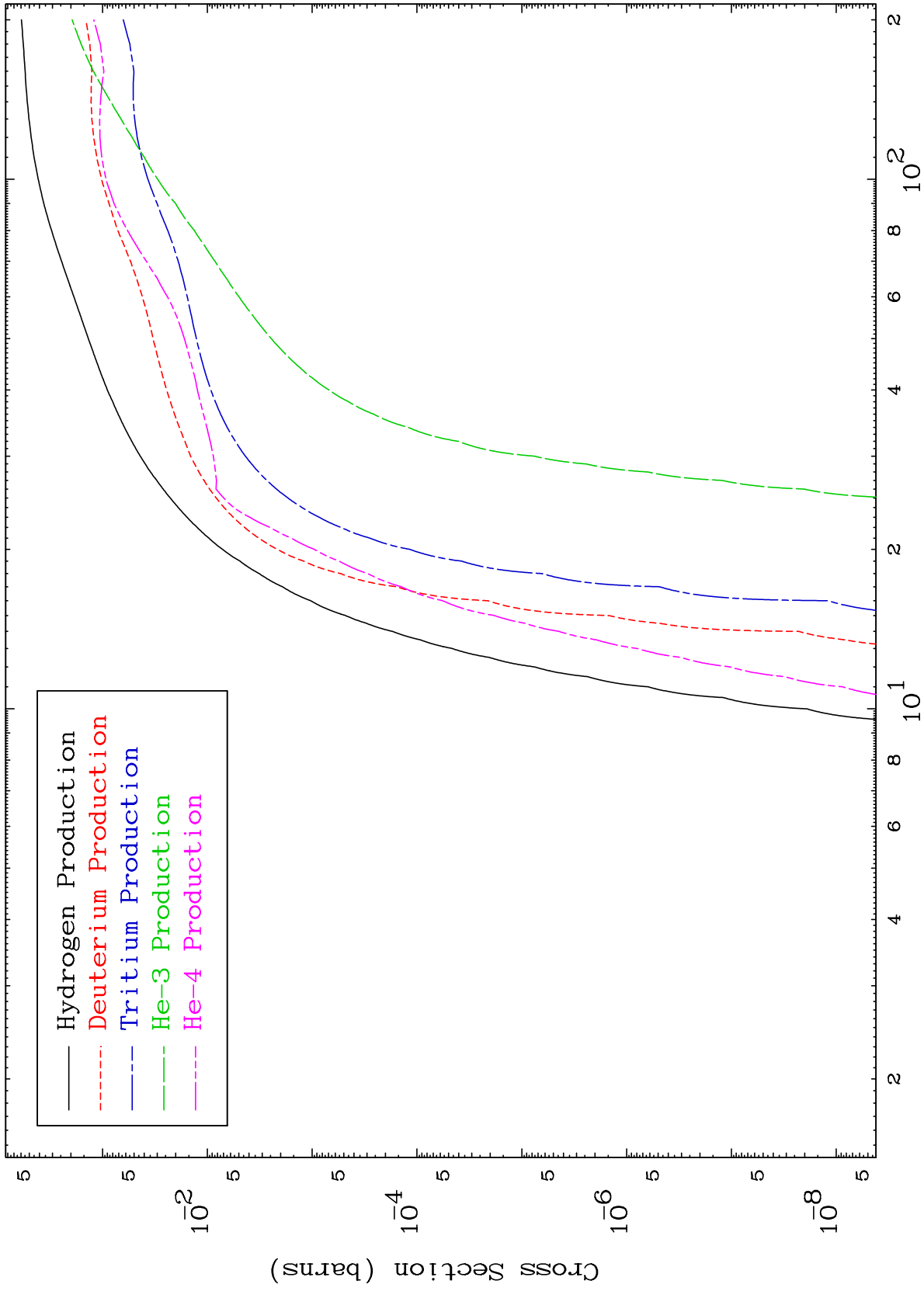
Incident Energy (MeV)

50-Sn-124

MAT 5061

Particle Production  
293 Kelvin Cross Sections

50-Sn-124



7

Incident Energy (MeV)

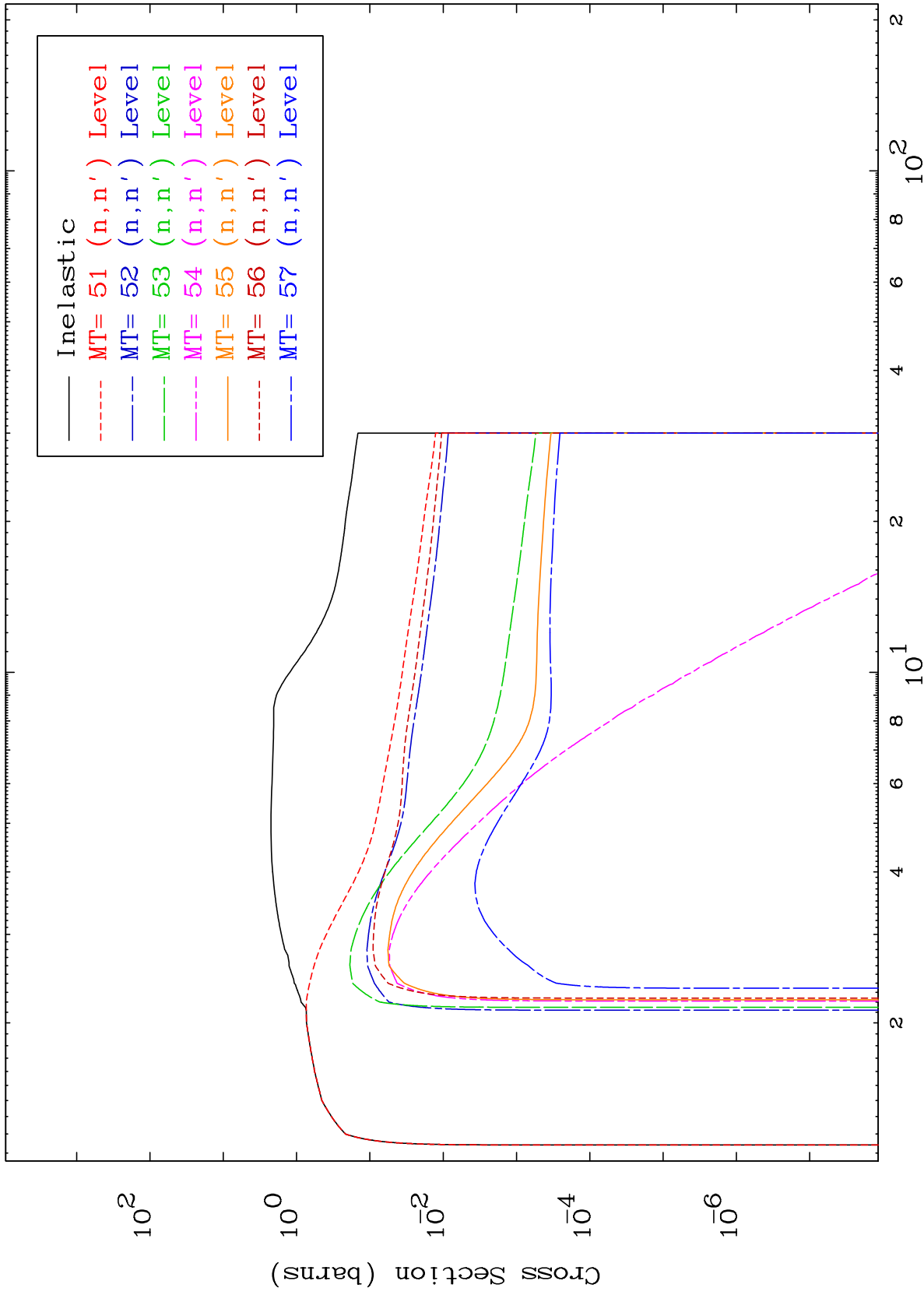
50-Sn-124



MAT 5061

(n,n') Levels  
293 Kelvin Cross Sections

50-Sn-124



8

Incident Energy (MeV)

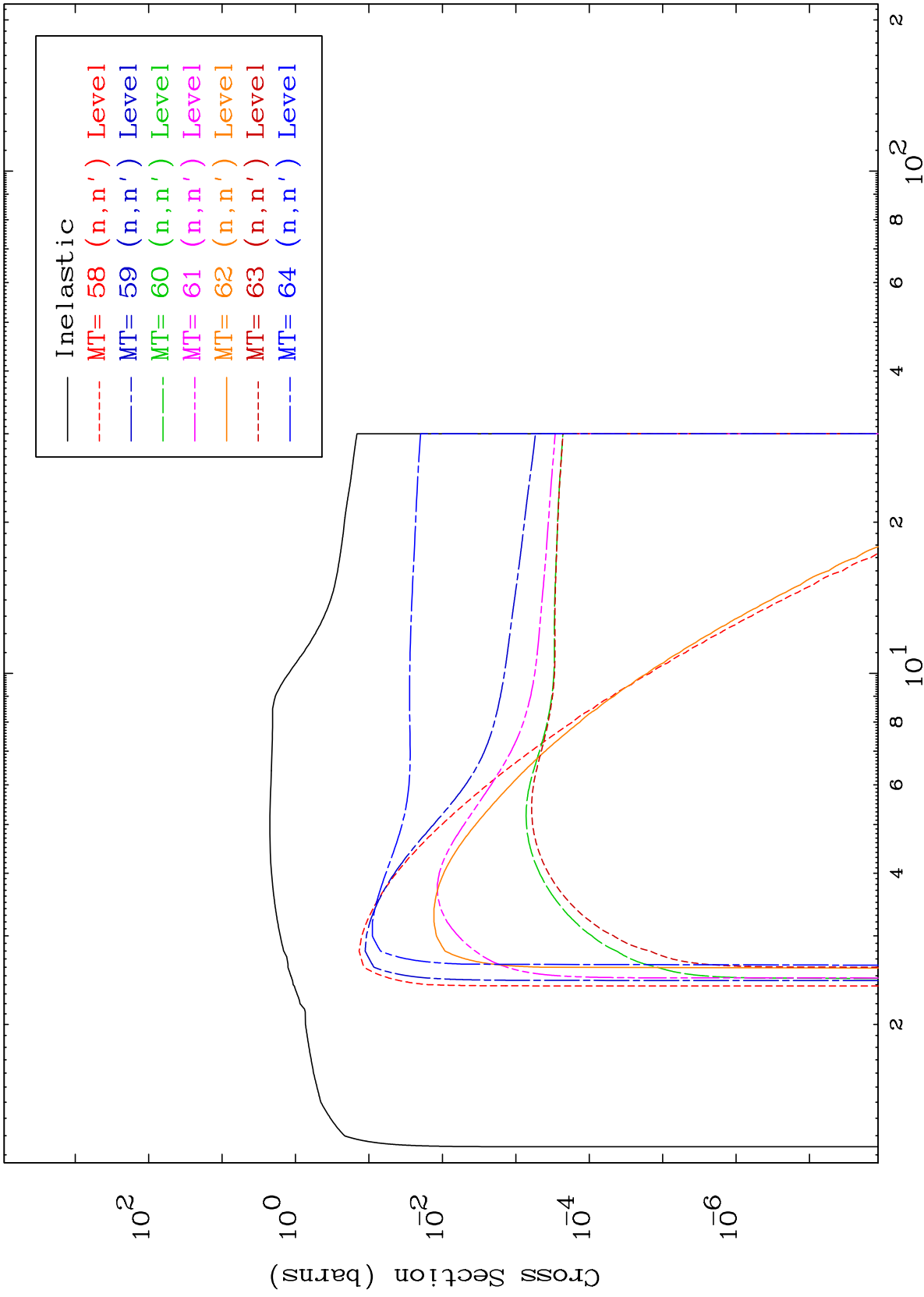
50-Sn-124

MAT 5061

(n,n') Levels

50-Sn-124

293 Kelvin Cross Sections

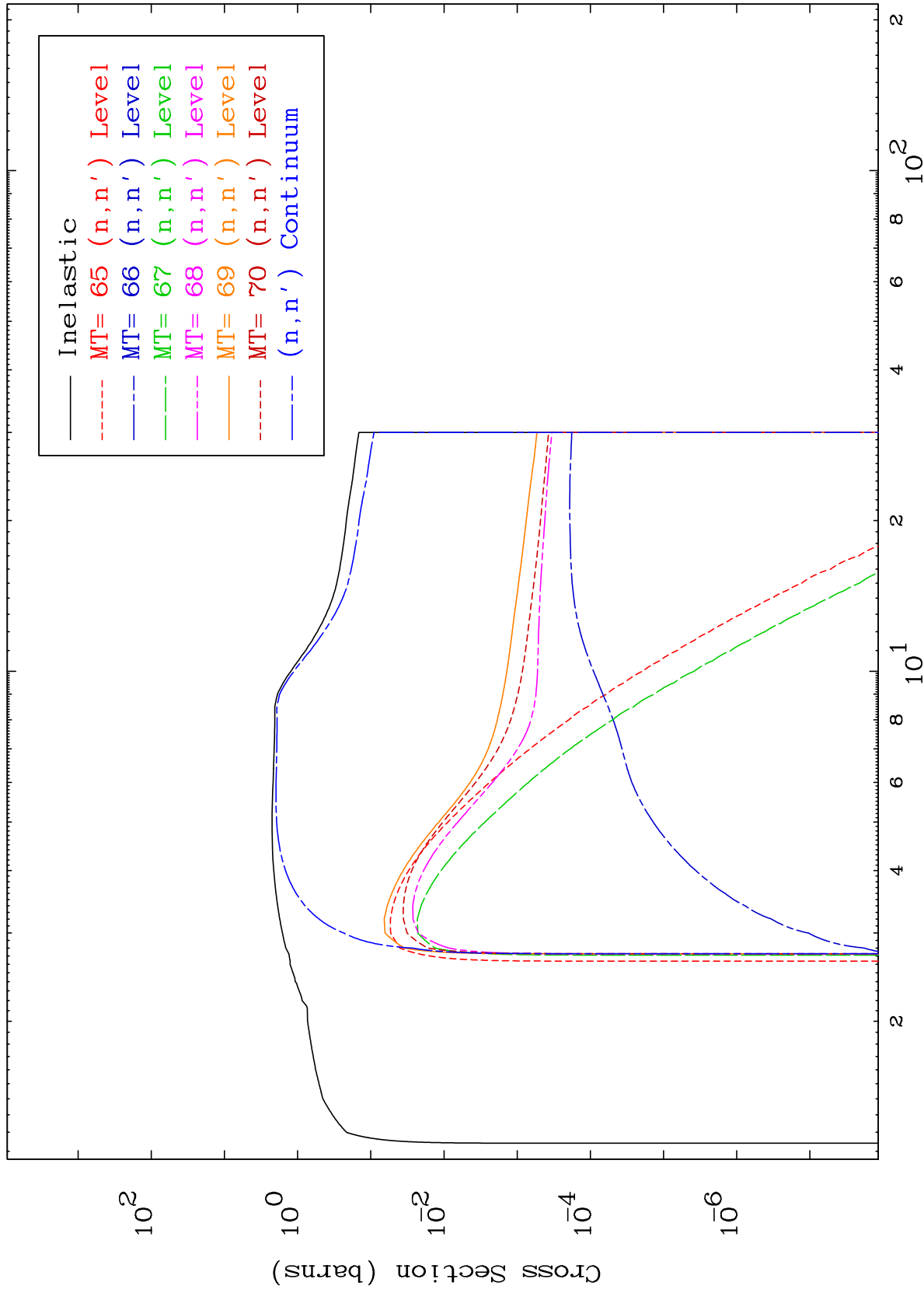


MAT 5061

(n,n') Levels

293 Kelvin Cross Sections

50-Sn-124



10

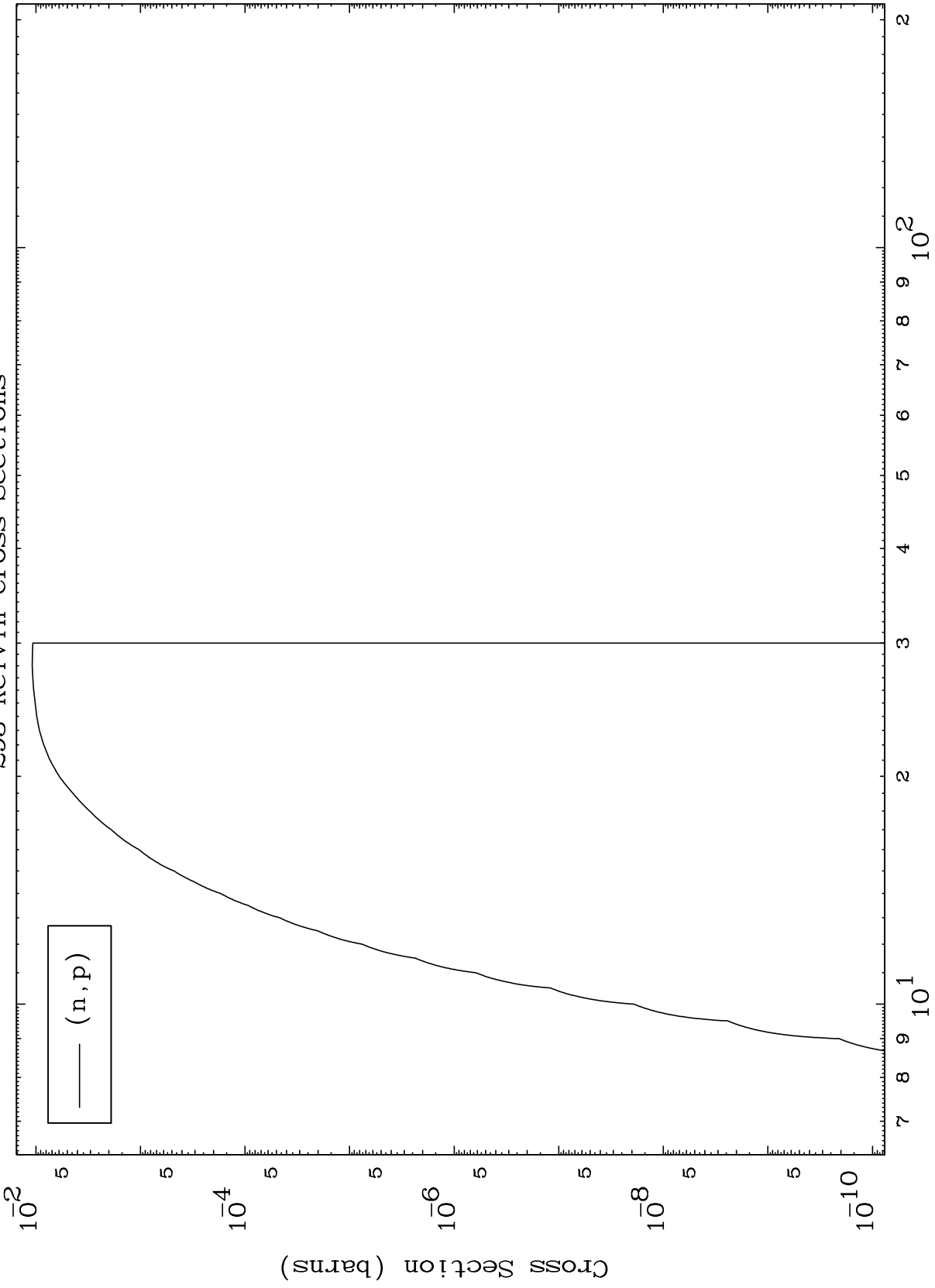
Incident Energy (MeV)

50-Sn-124

MAT 5061

(n,p) Levels  
293 Kelvin Cross Sections

50-Sn-124



11

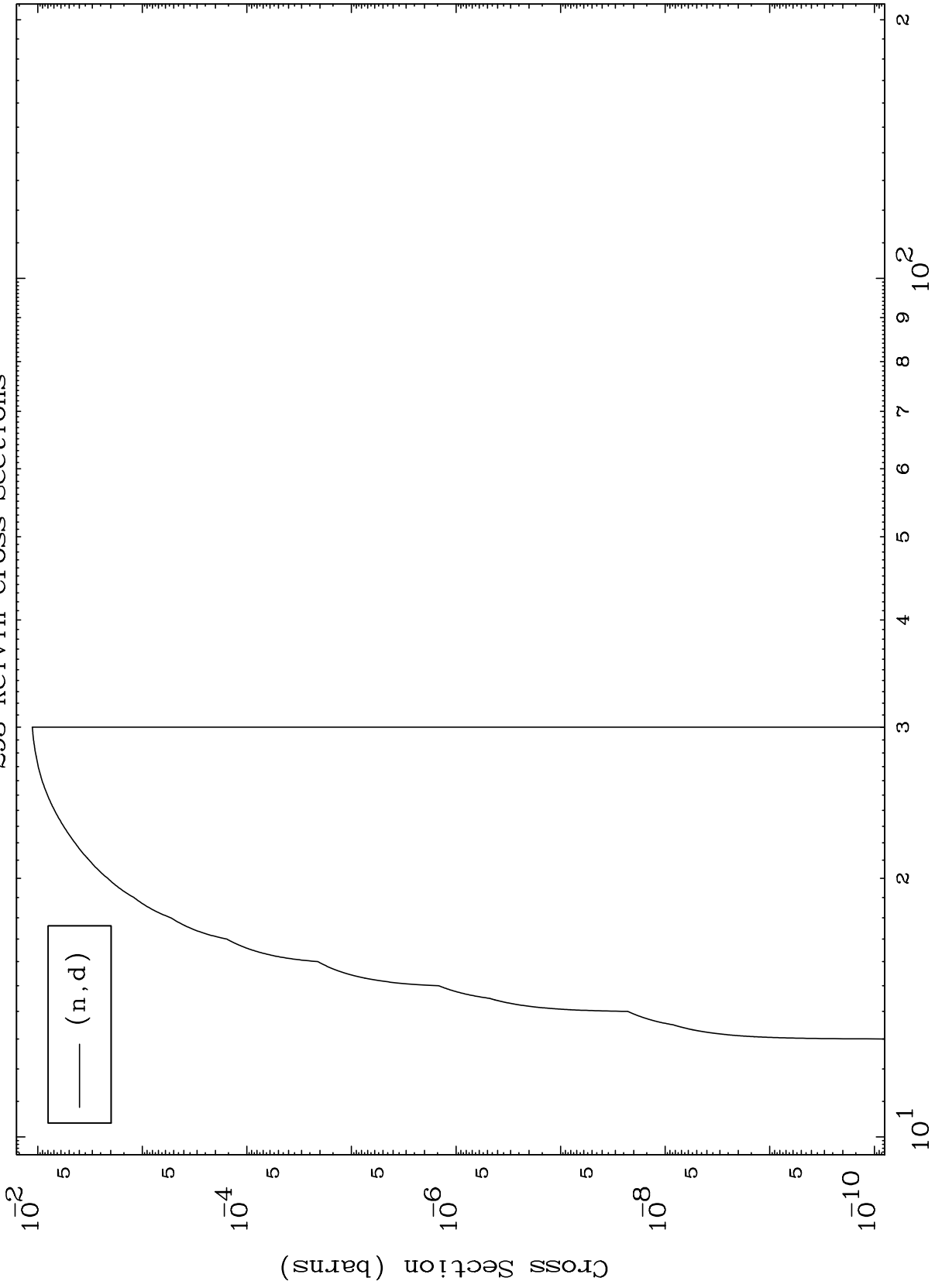
Incident Energy (MeV)

50-Sn-124

MAT 5061

(n,d) Levels  
293 Kelvin Cross Sections

50-Sn-124



12

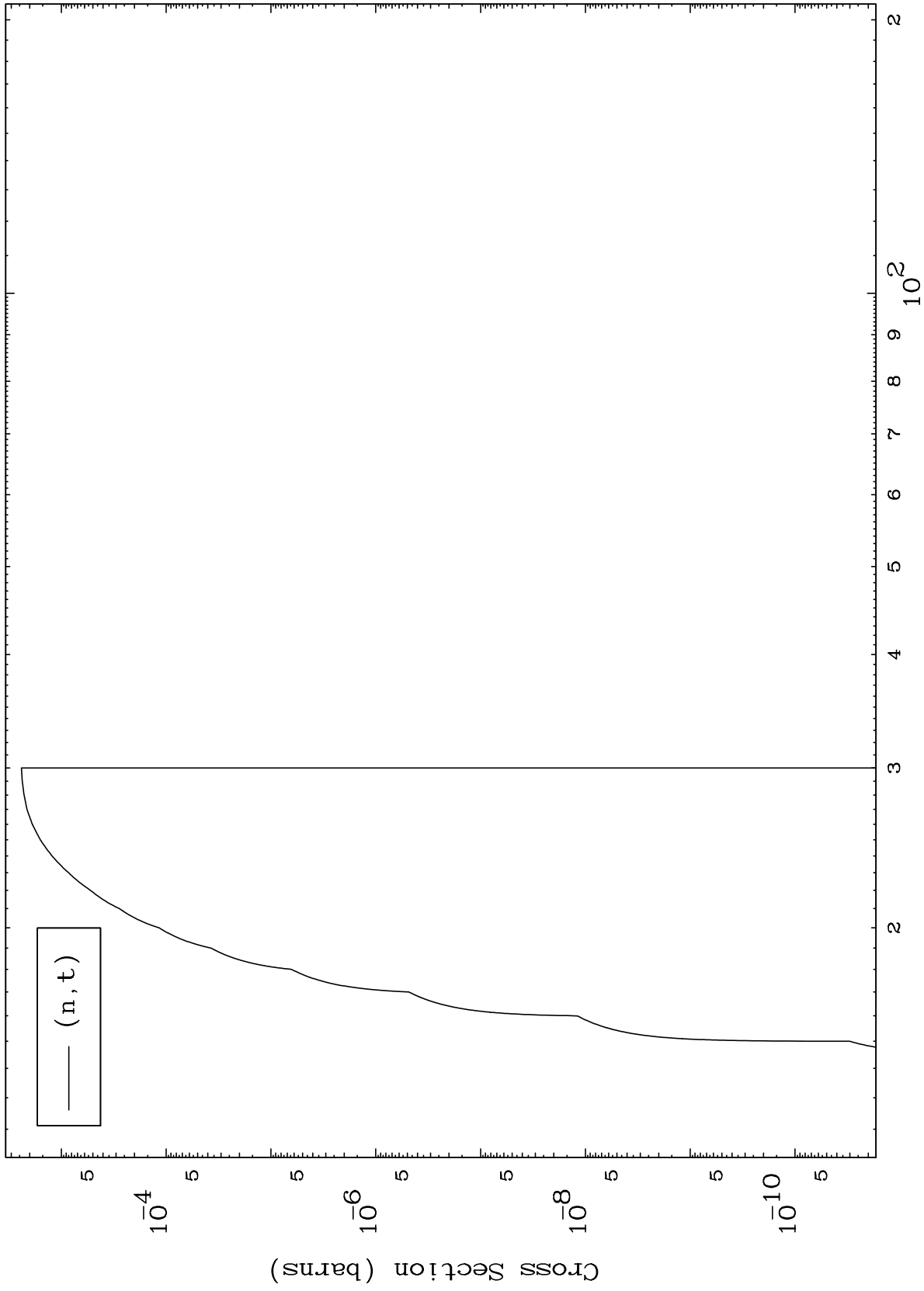
Incident Energy (MeV)

50-Sn-124

MAT 5061

(n,t) Levels  
293 Kelvin Cross Sections

50-Sn-124



13

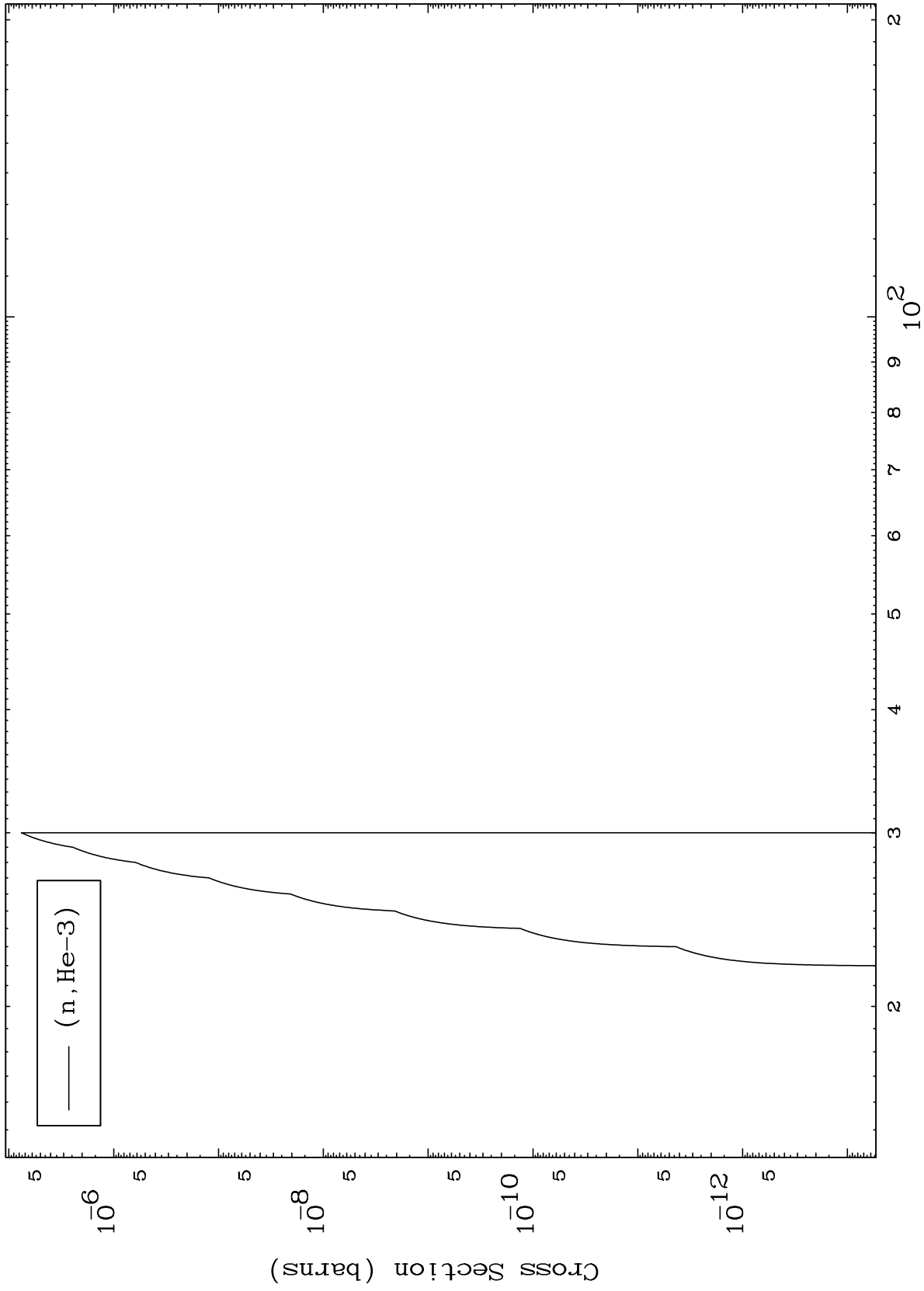
Incident Energy (MeV)

50-Sn-124

MAT 5061

(n,He3) Levels  
293 Kelvin Cross Sections

50-Sn-124



14

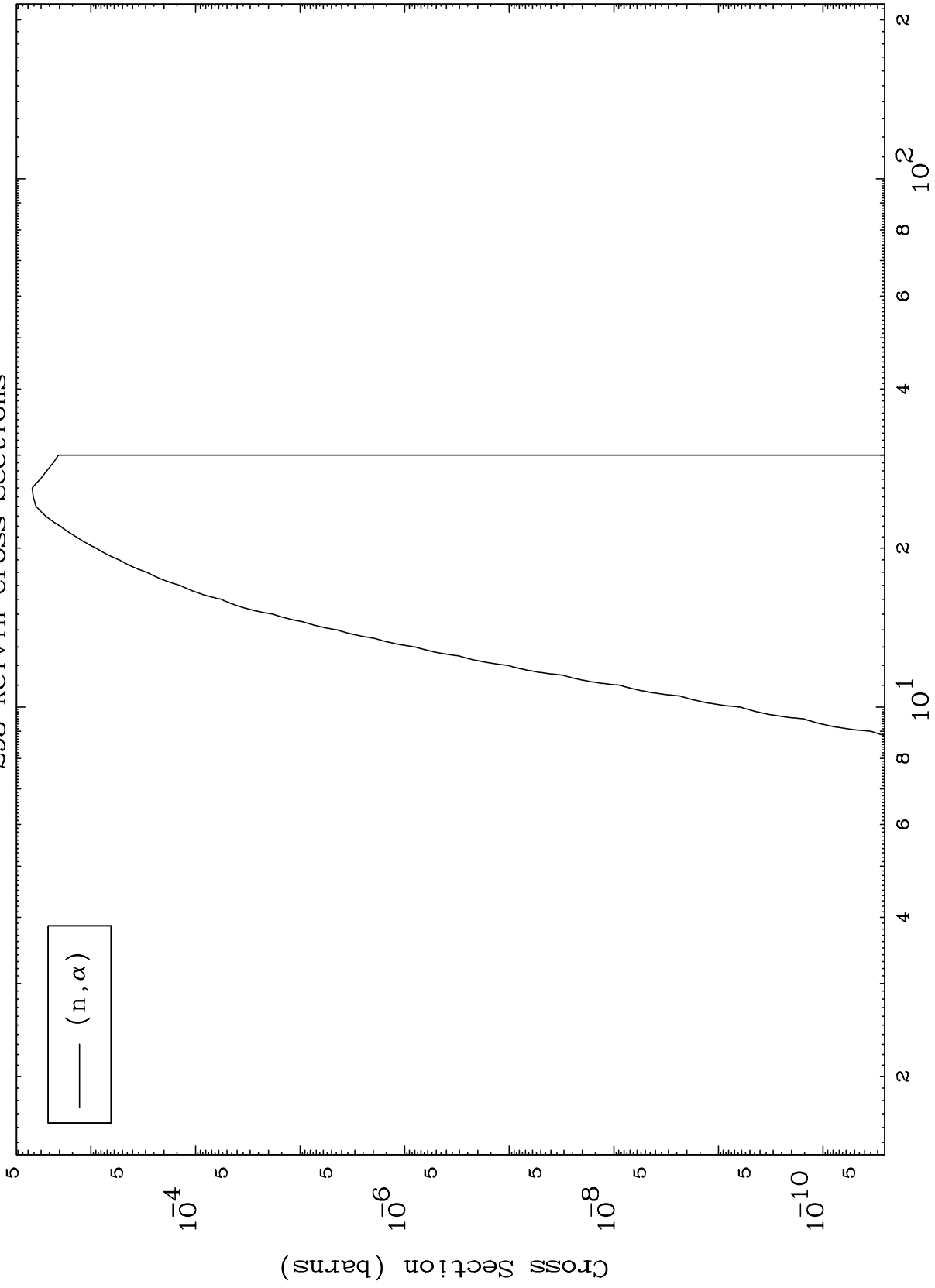
Incident Energy (MeV)

50-Sn-124

MAT 5061

(n,α) Levels  
293 Kelvin Cross Sections

50-Sn-124

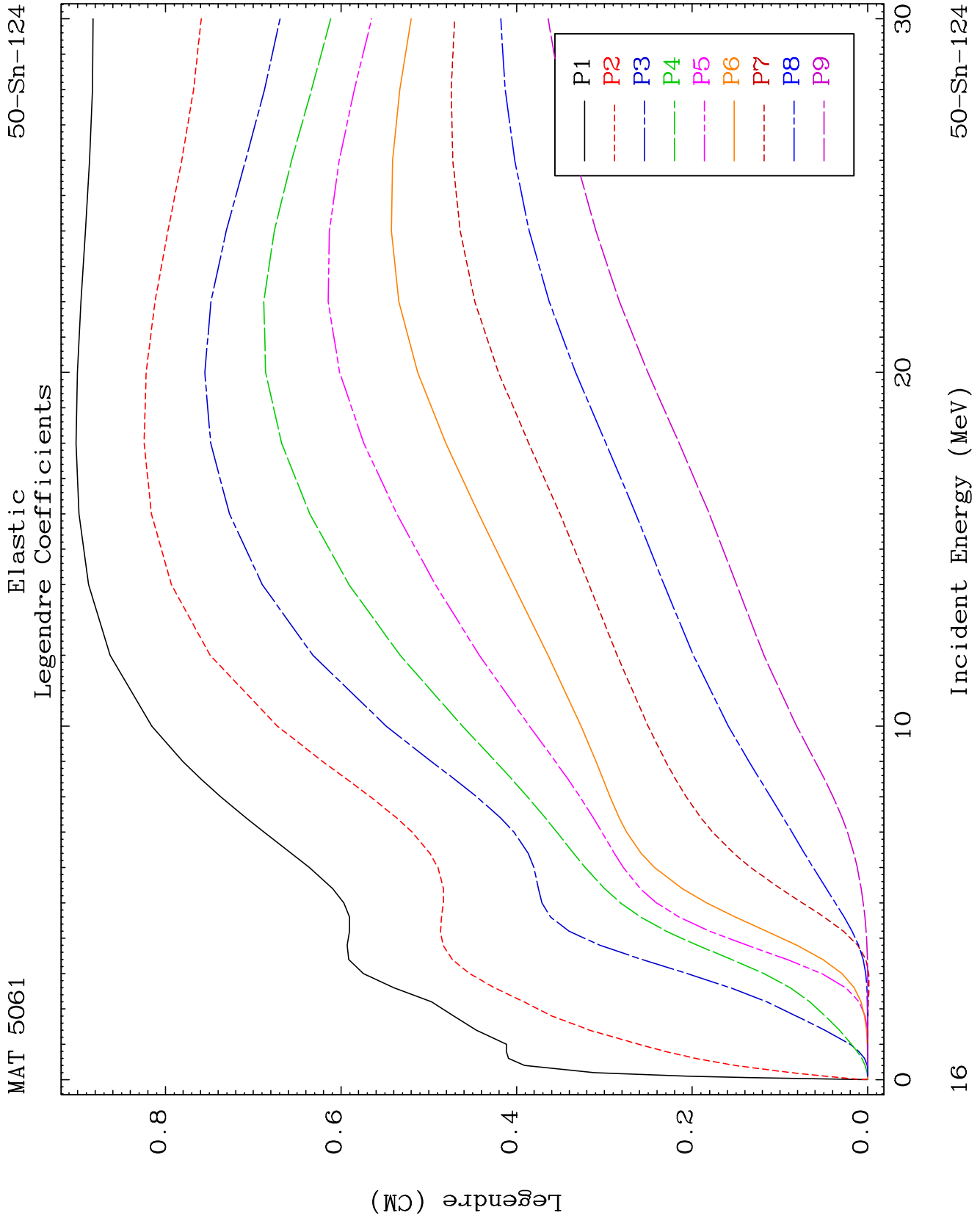


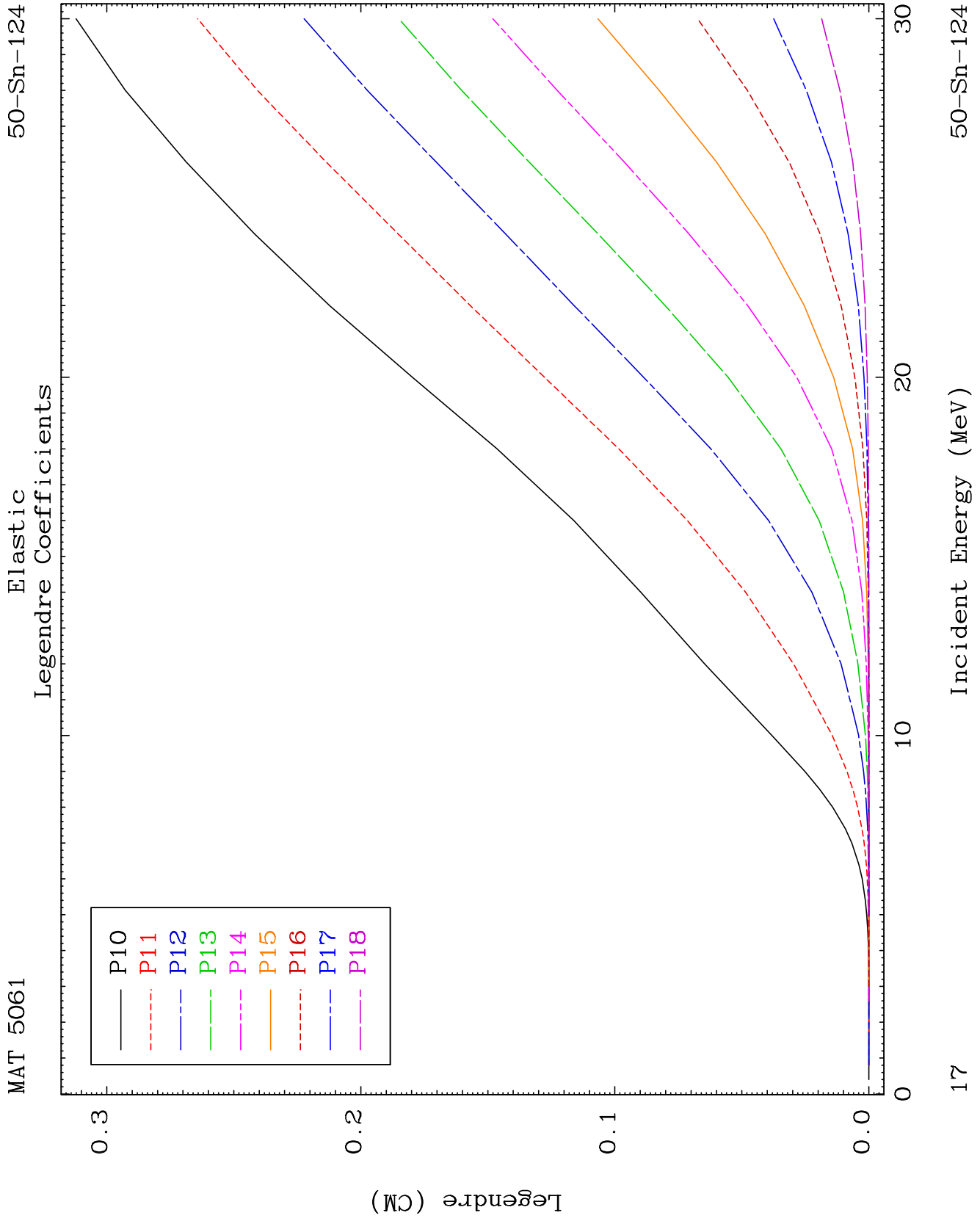
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Incident Energy (MeV)

50-Sn-124



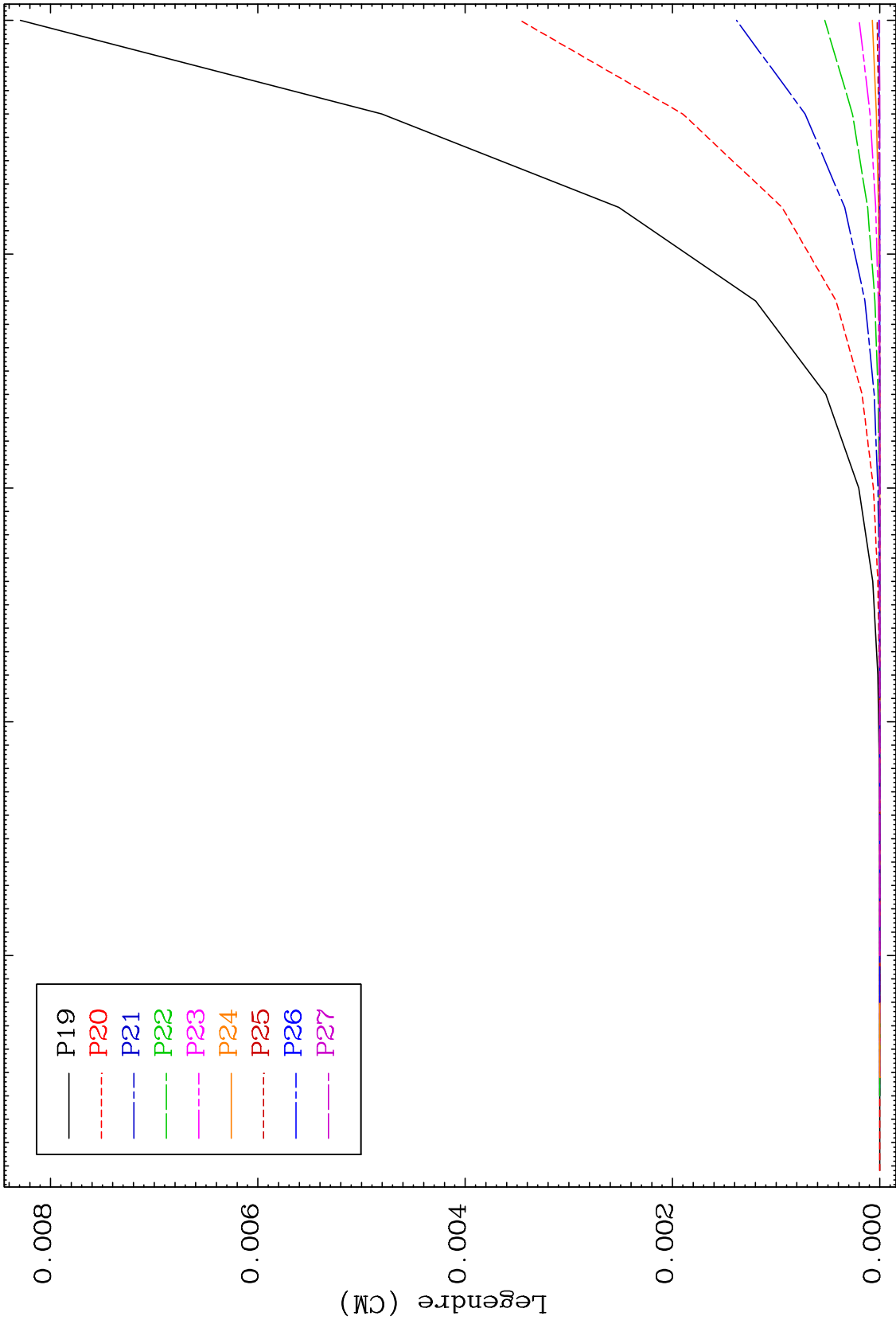




MAT 5061

Elastic Legendre Coefficients

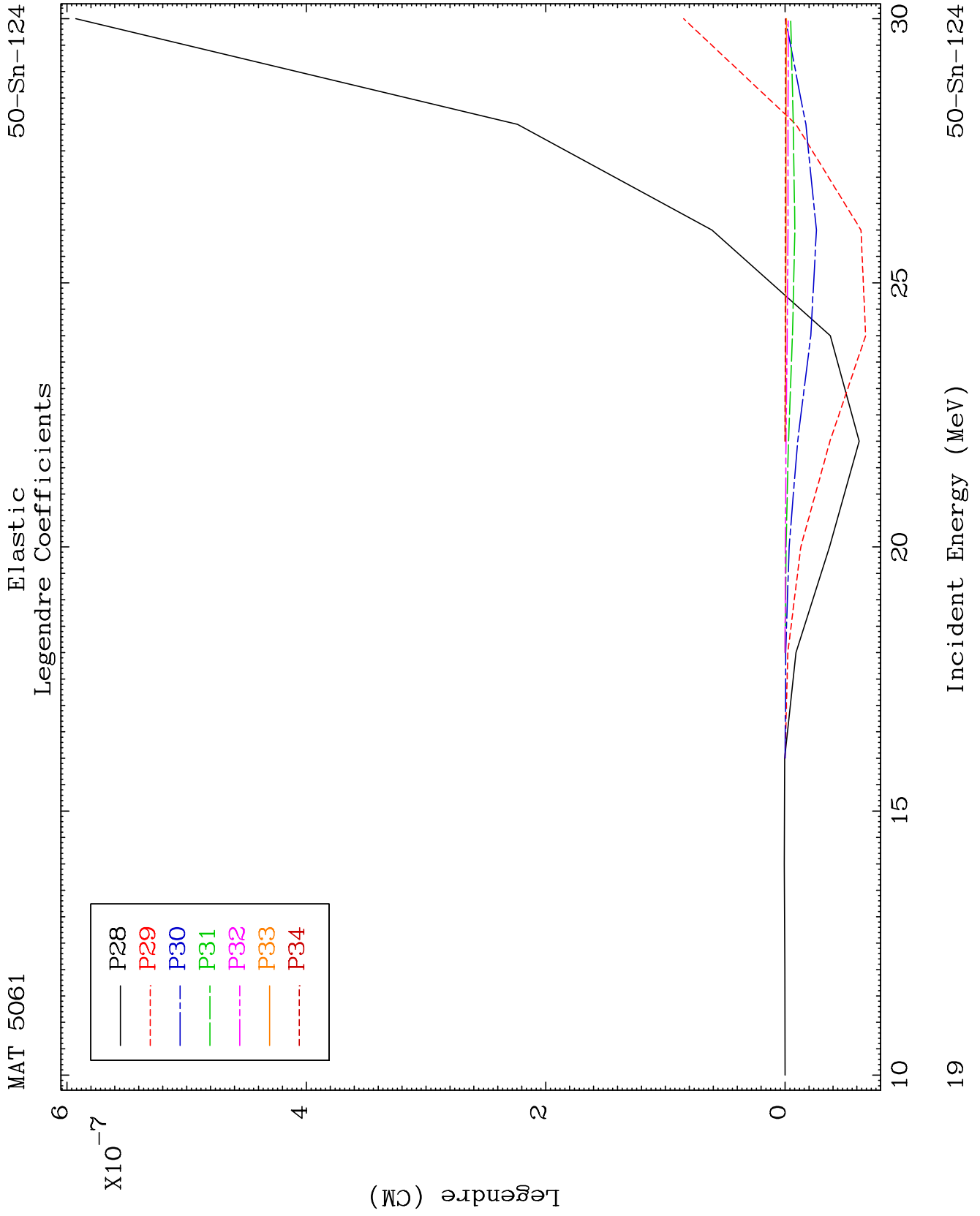
50-Sn-124



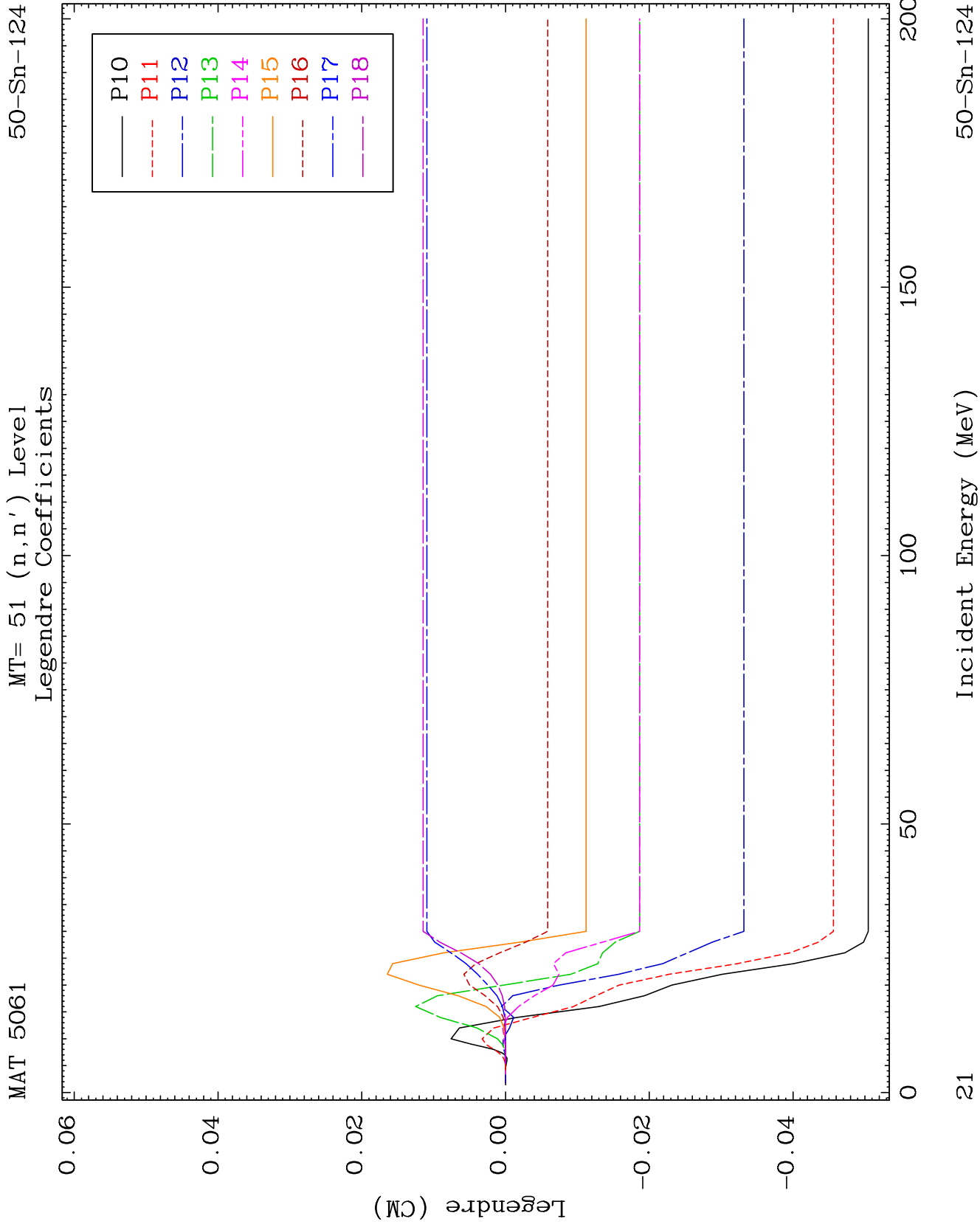
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Incident Energy (MeV)

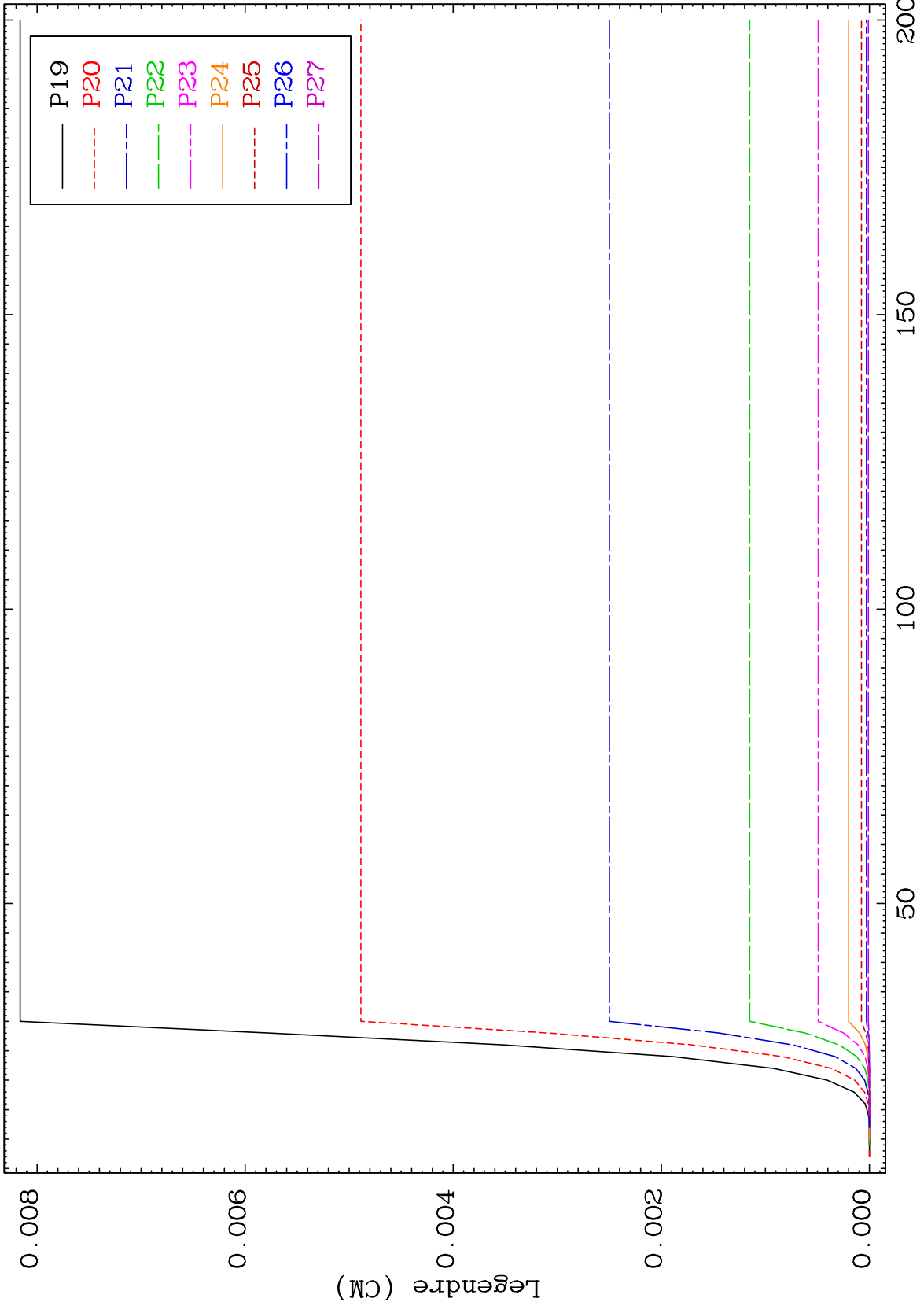
50-Sn-124







MAT 5061 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-124

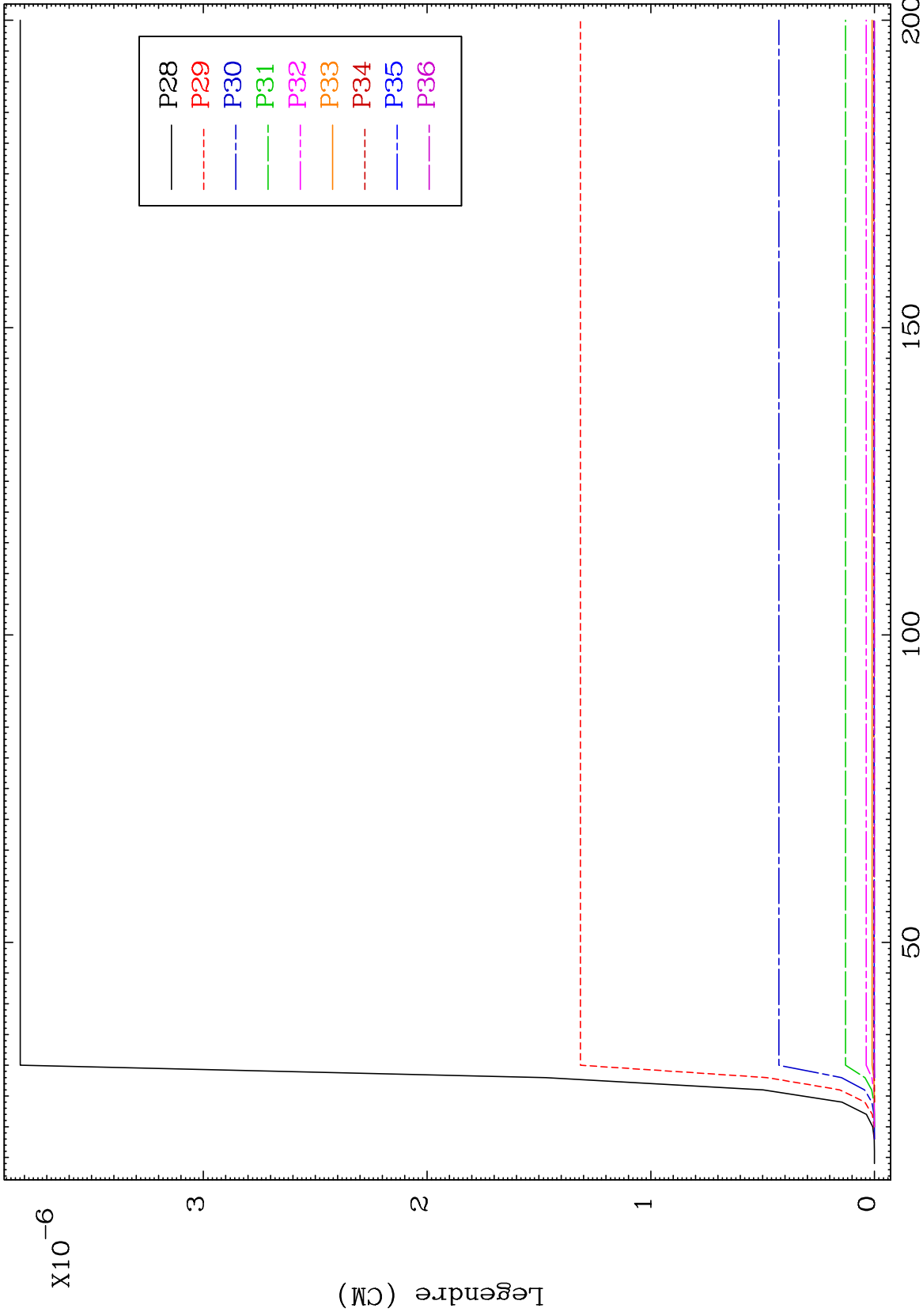


22 Incident Energy (MeV) 50-Sn-124

MAT 5061

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

50-Sn-124

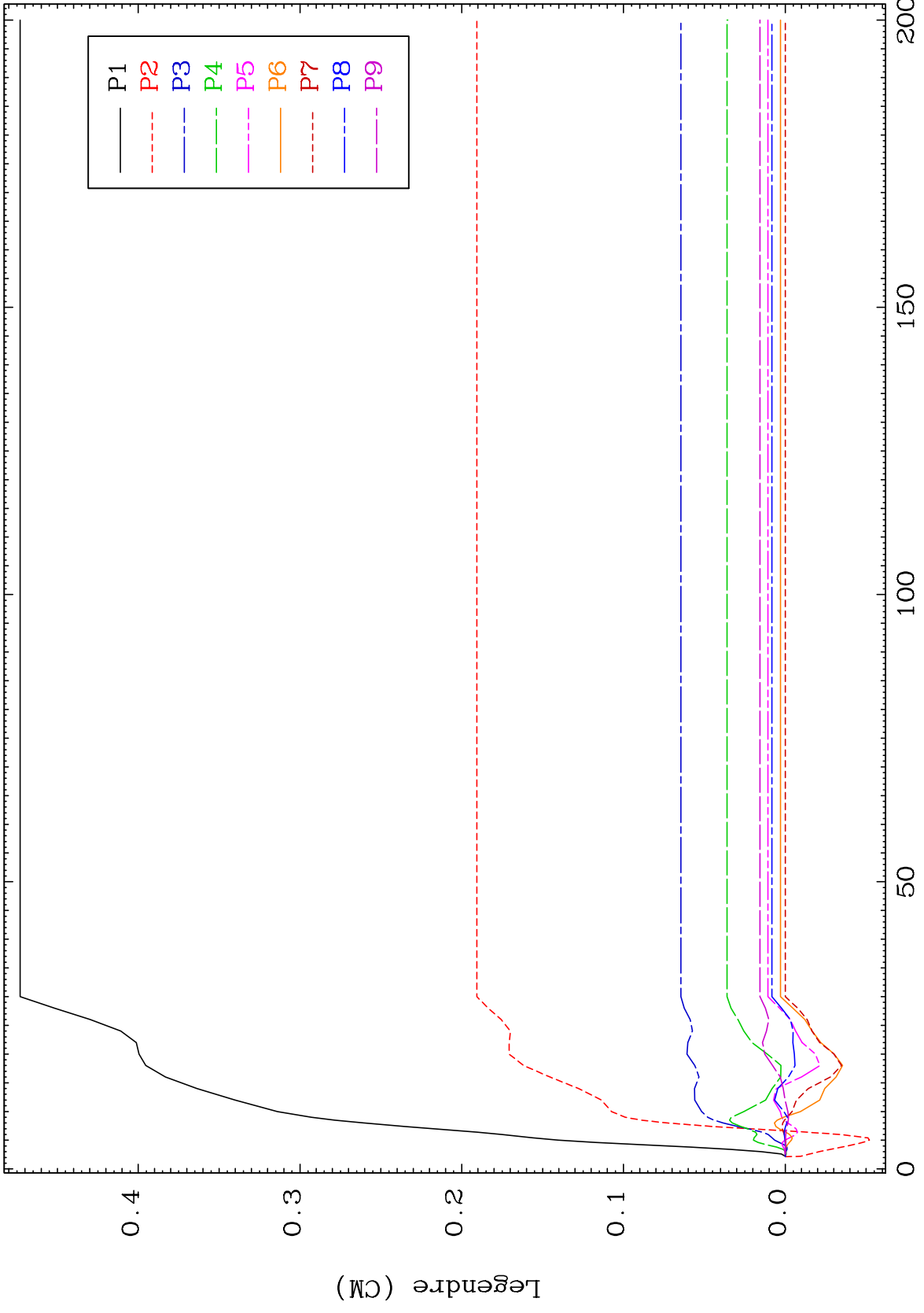


23

50-Sn-124



MAT 5061 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-124

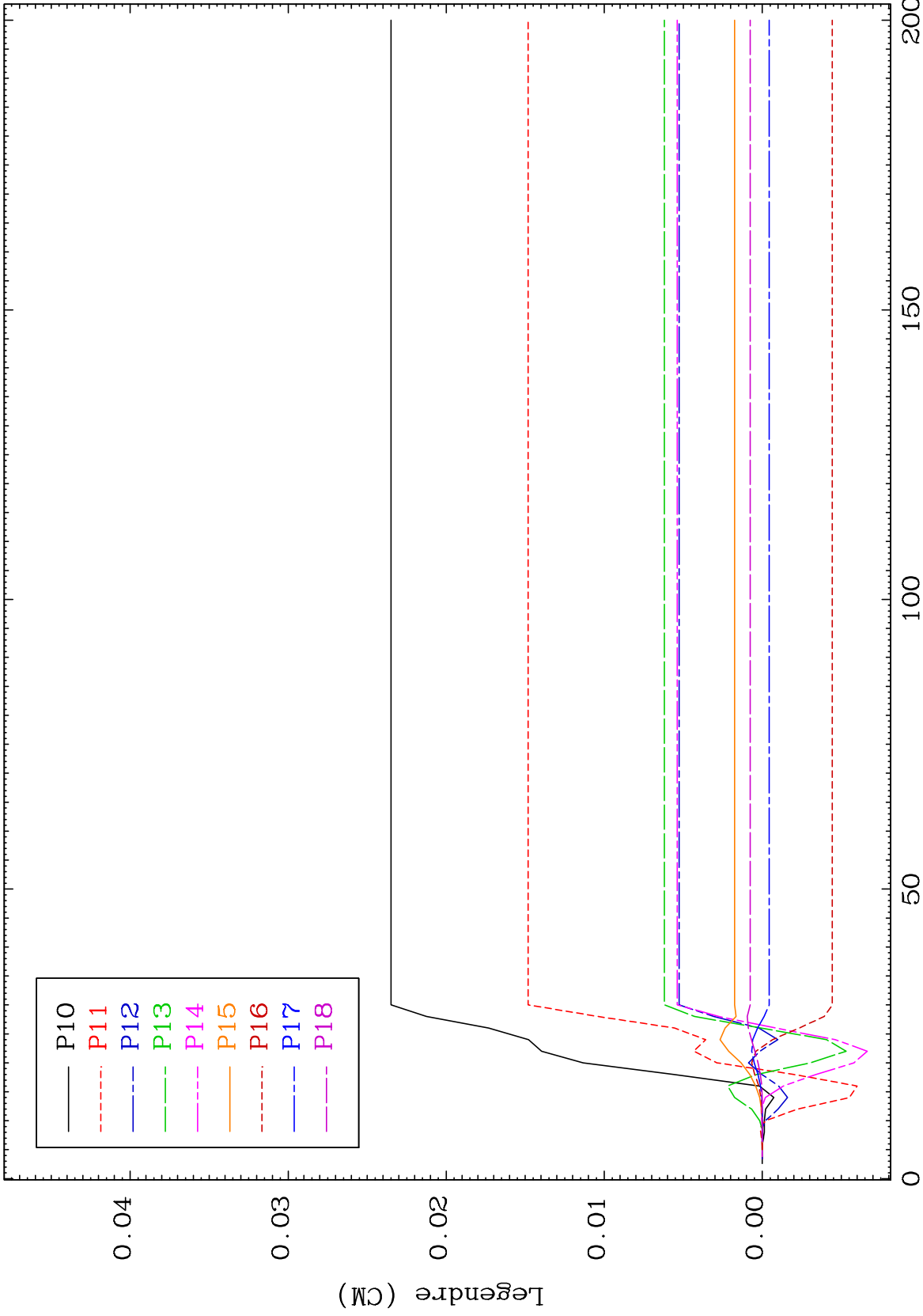


24 50-Sn-124

MAT 5061

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

50-Sn-124



25

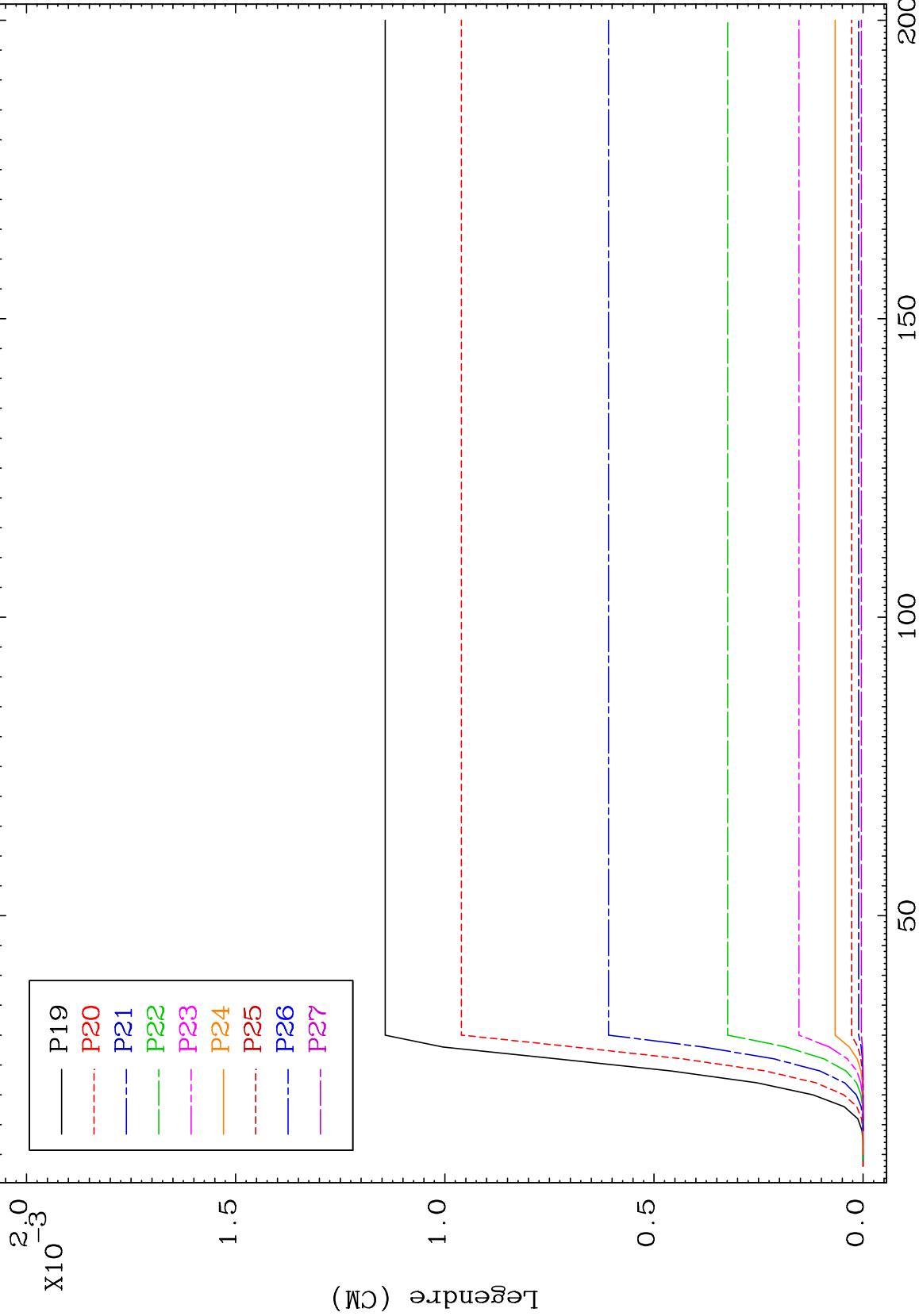
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

50-Sn-124

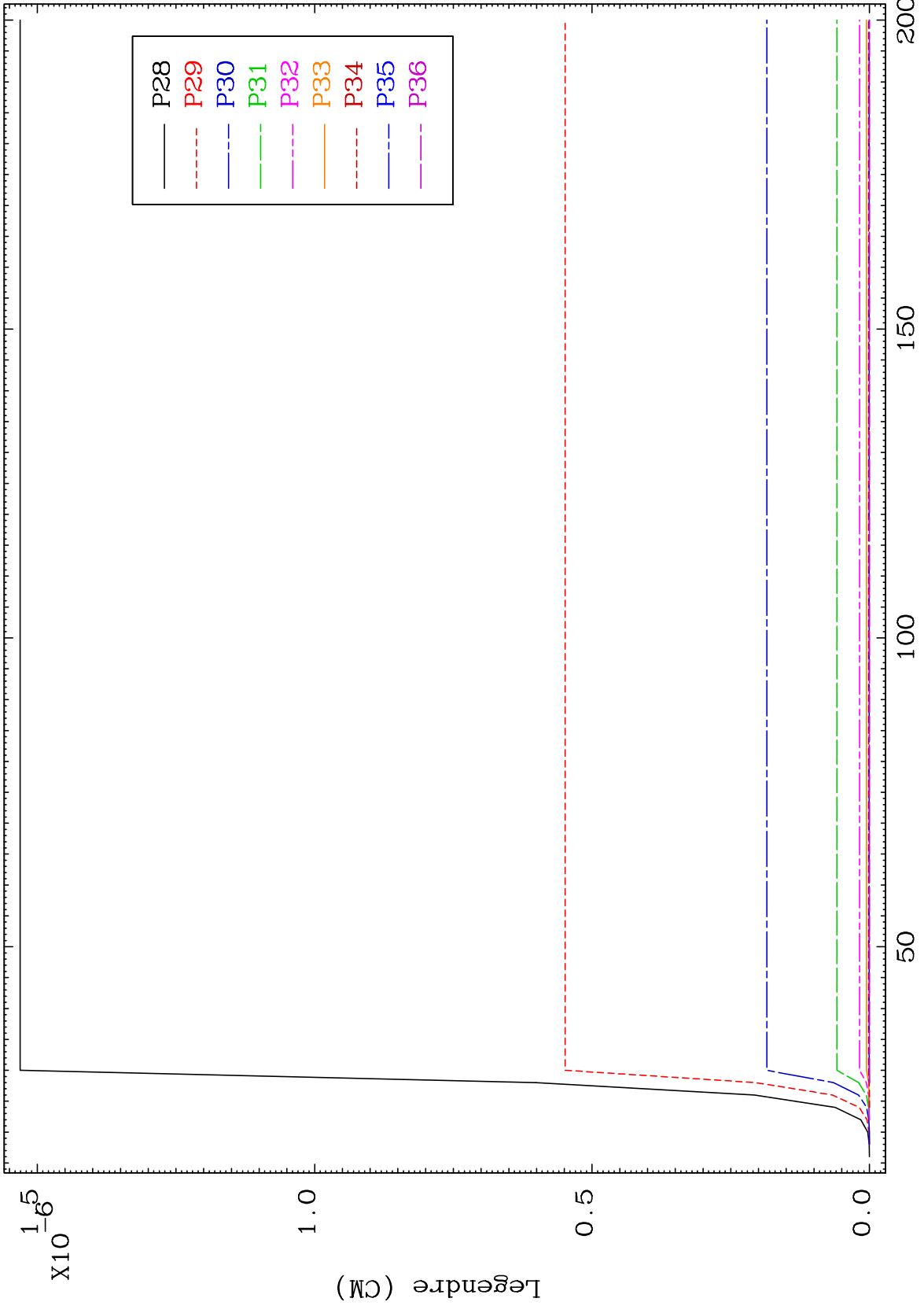


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Incident Energy (MeV)

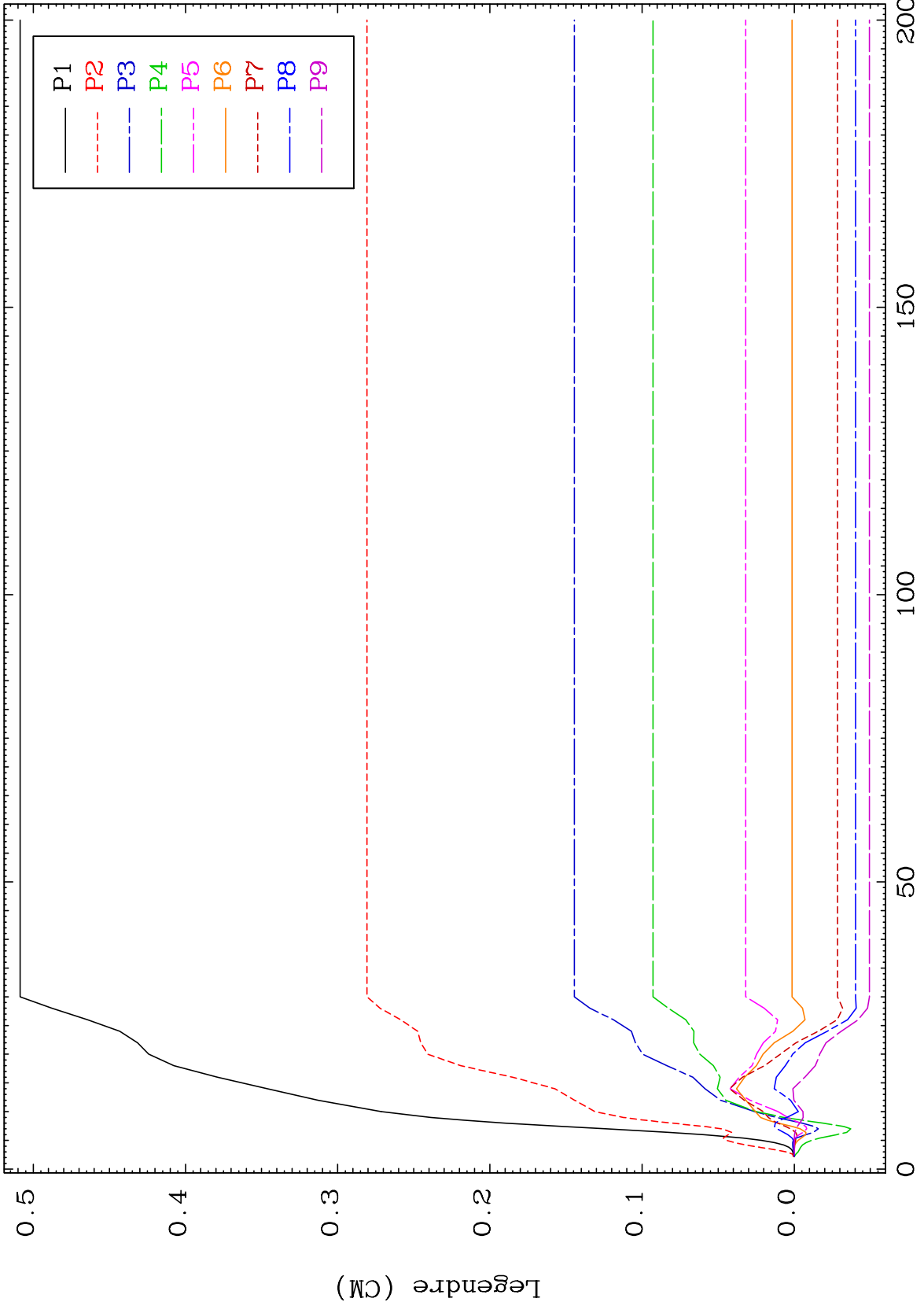
50-Sn-124

MAT 5061 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-124

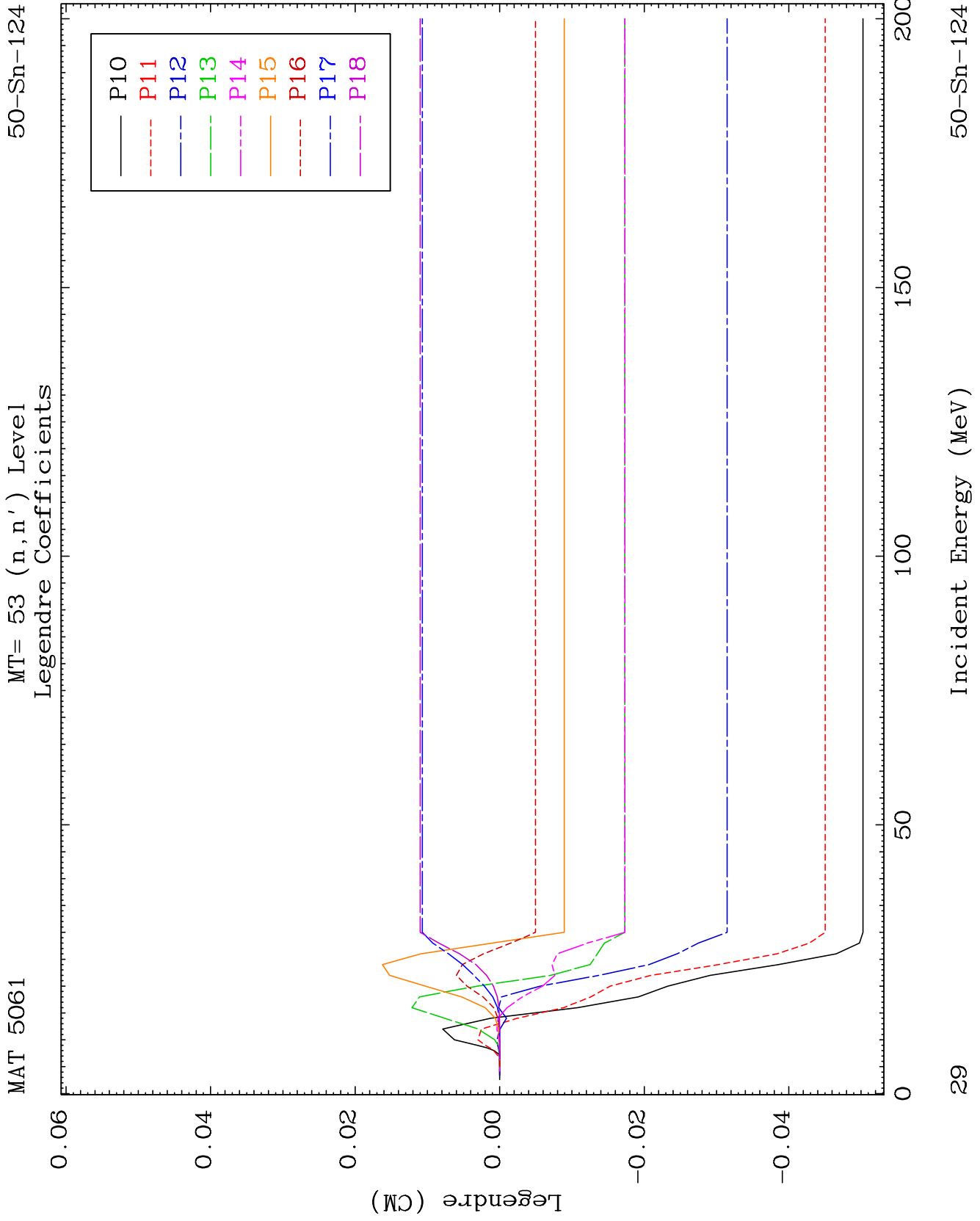


27 Incident Energy (MeV) 50-Sn-124

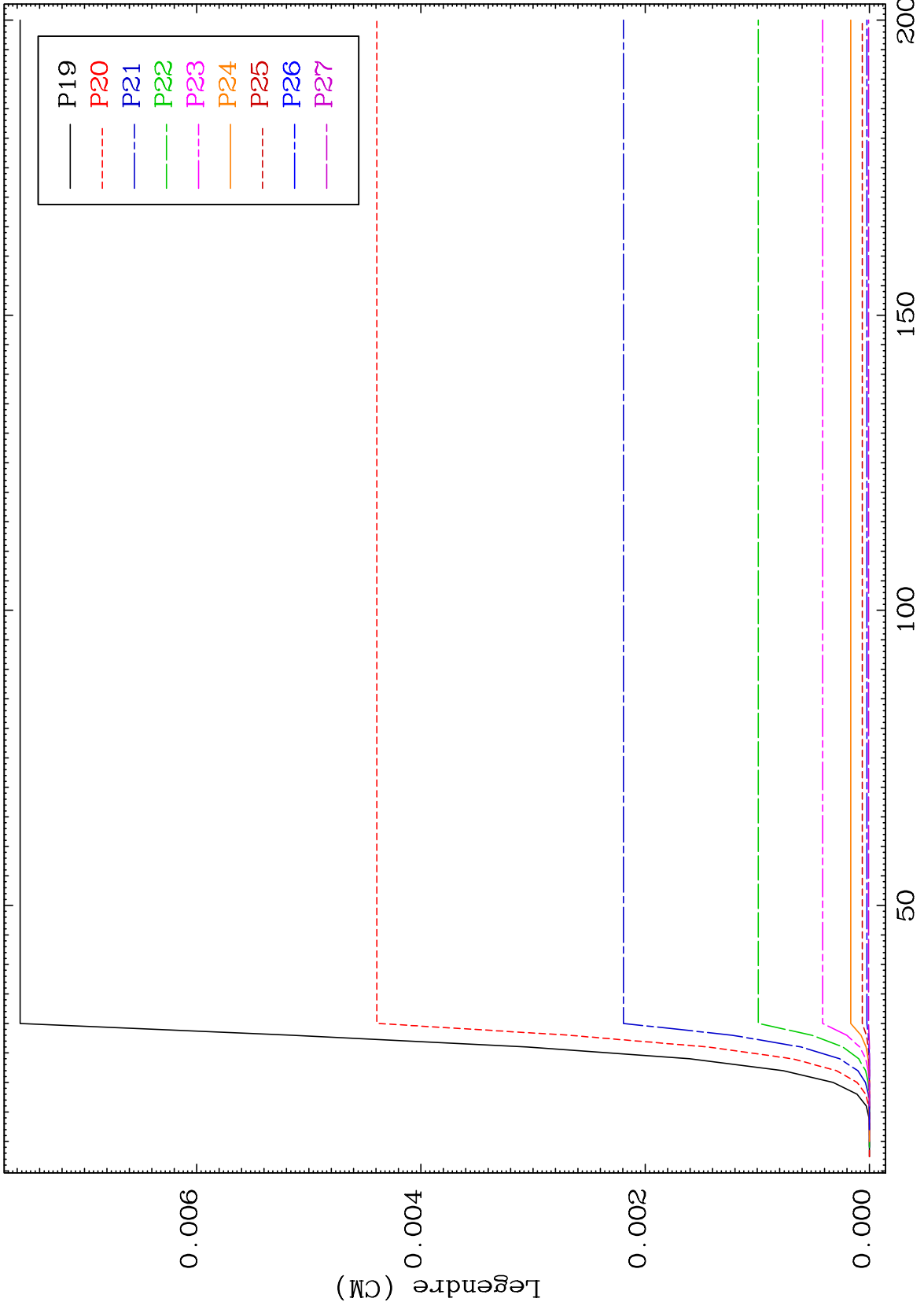
MAT 5061 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-124



28 50-Sn-124



MAT 5061 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-124

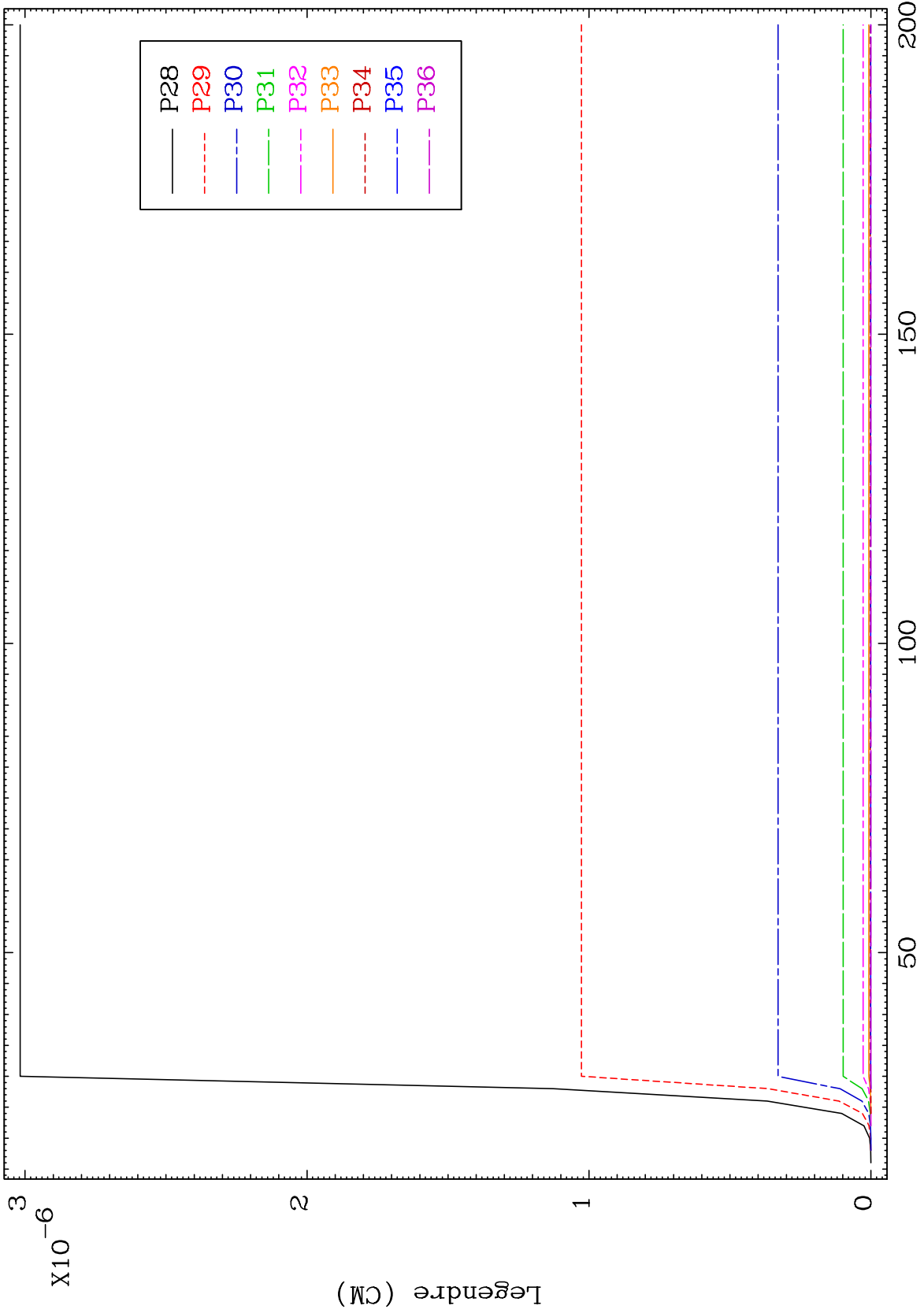


30 50 100 150 200 Incident Energy (MeV) 50-Sn-124

MAT 5061

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

50-Sn-124

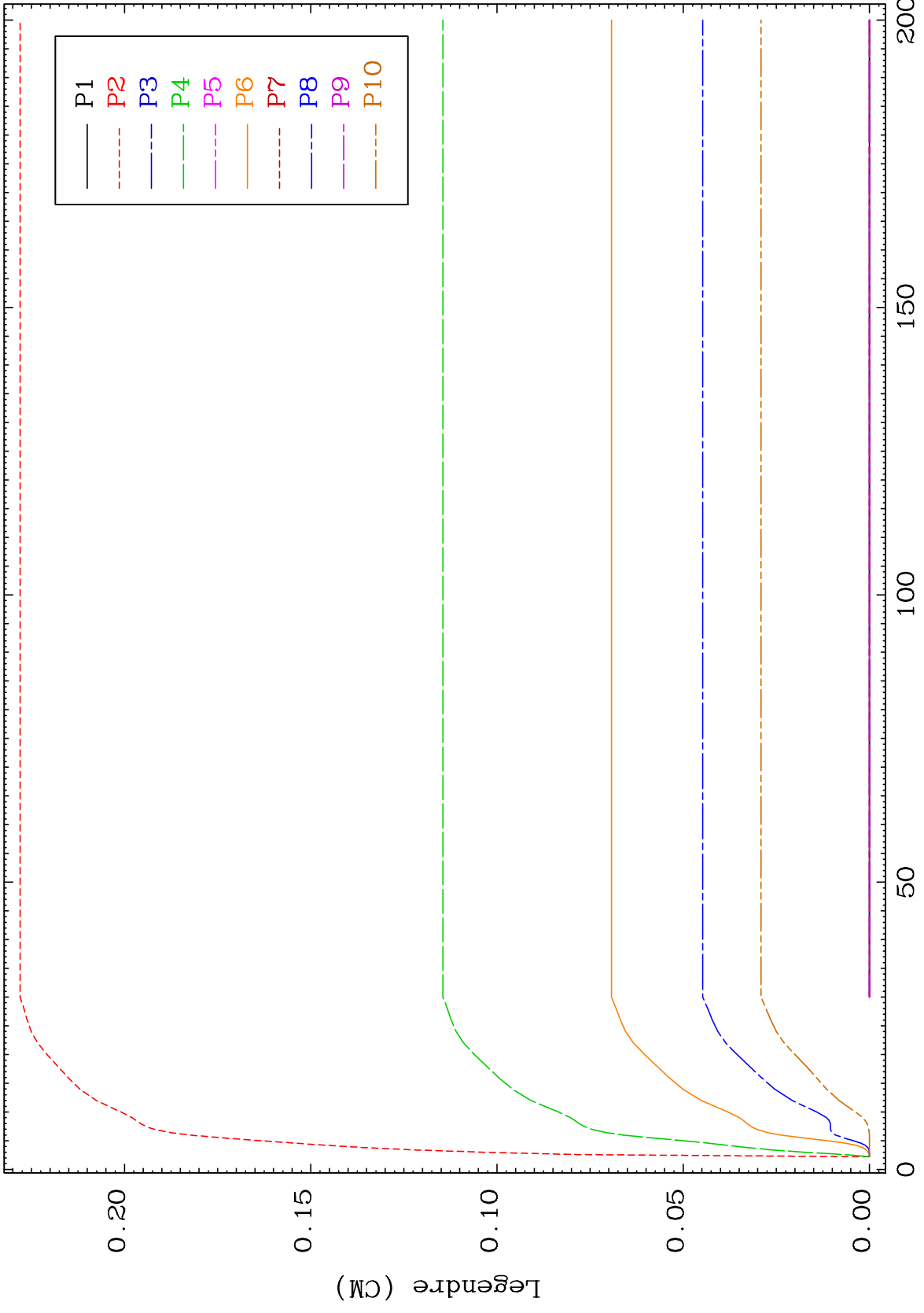


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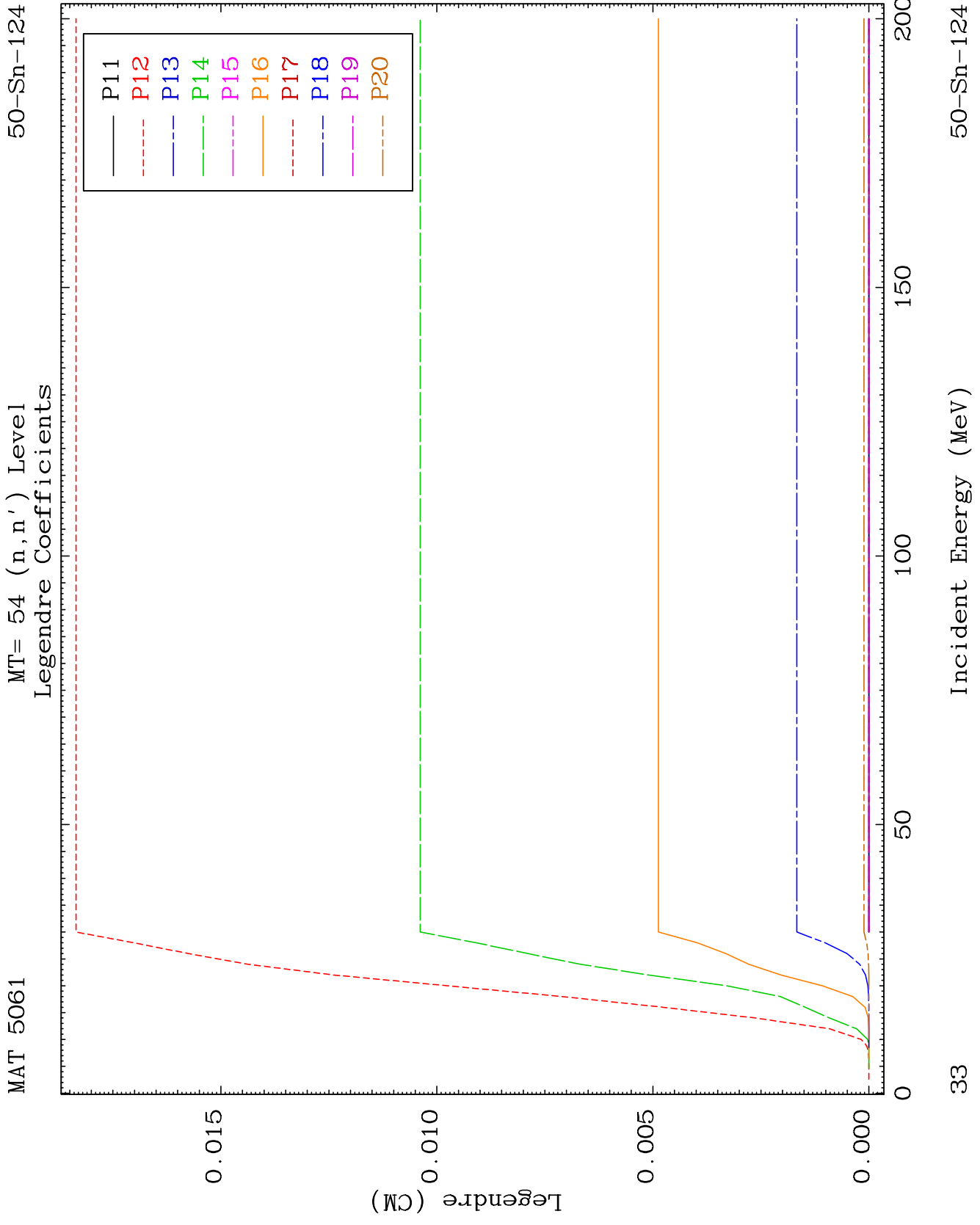
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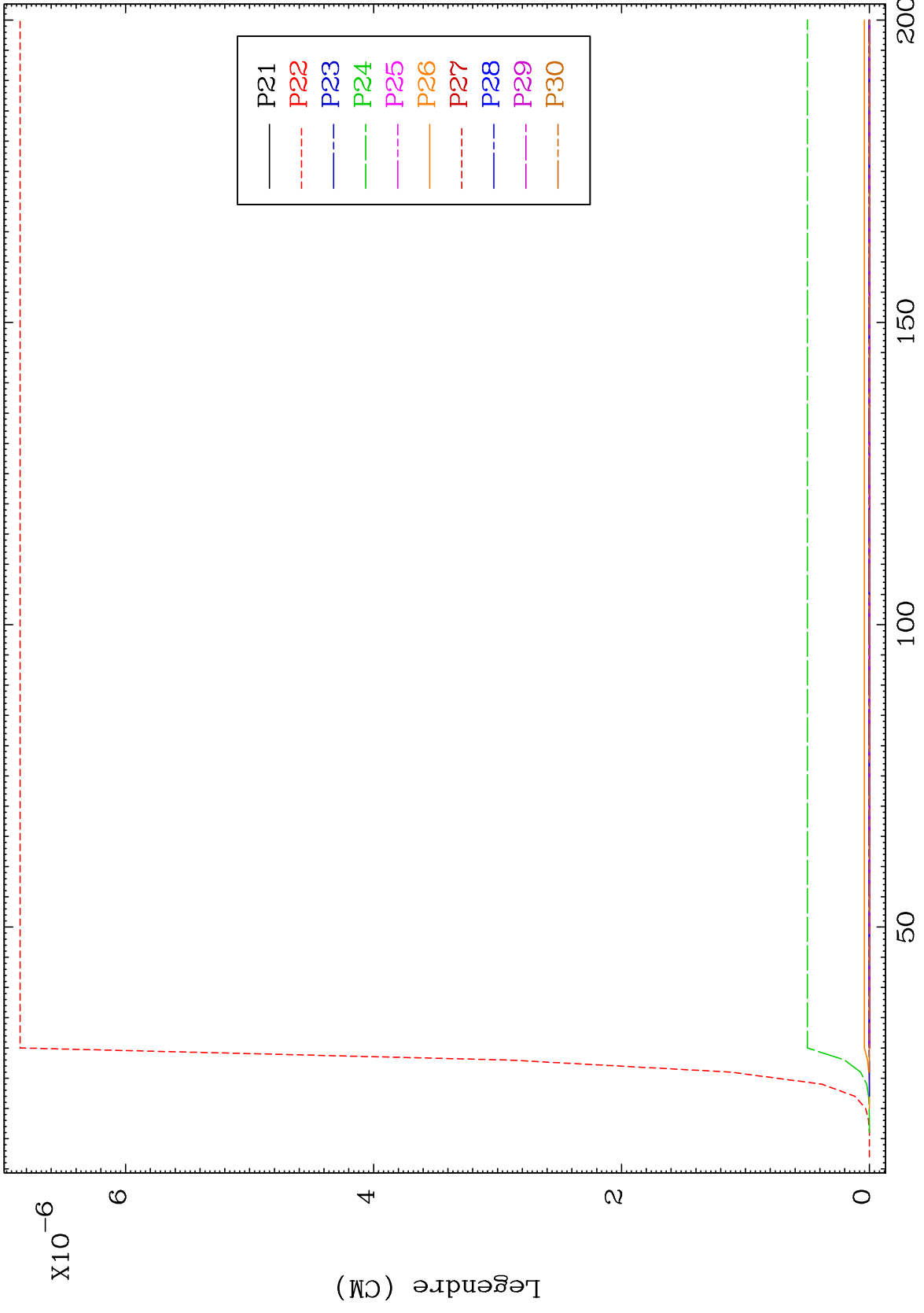
MAT 5061 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-124



32 Incident Energy (MeV) 50-Sn-124

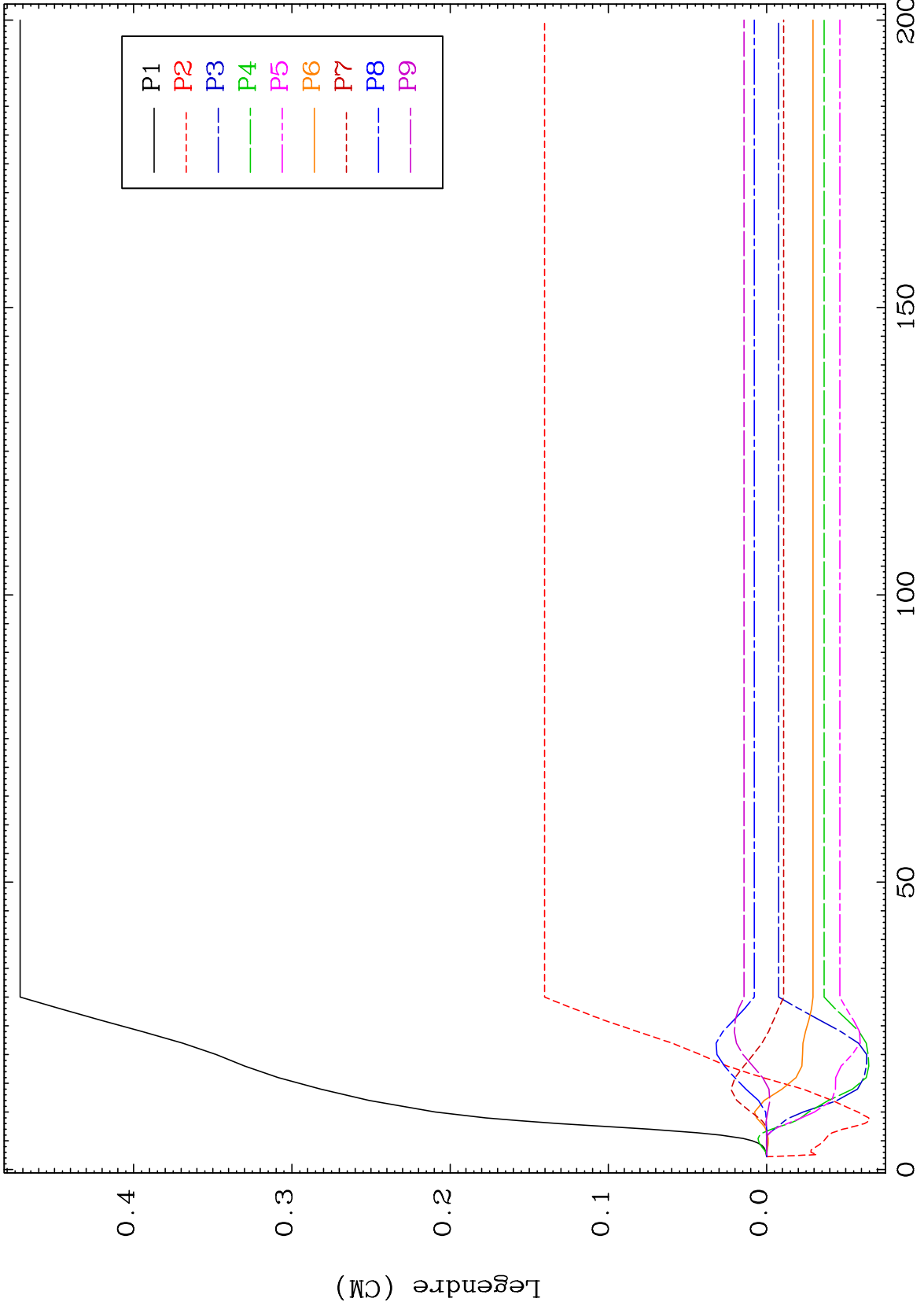


MAT 5061 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-124



34 50-Sn-124

MAT 5061 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-124

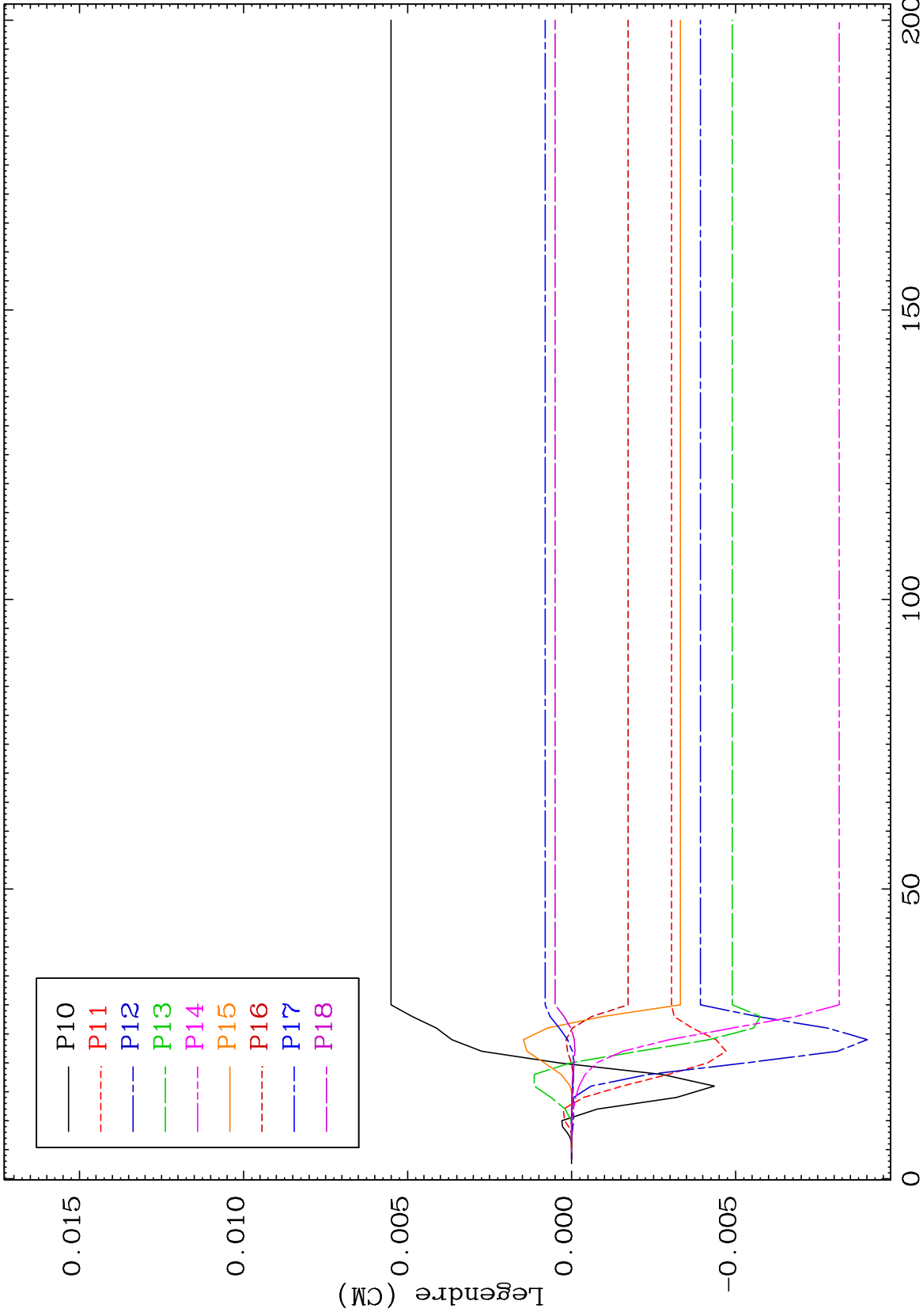


35 Incident Energy (MeV) 50-Sn-124

MAT 5061

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

50-Sn-124



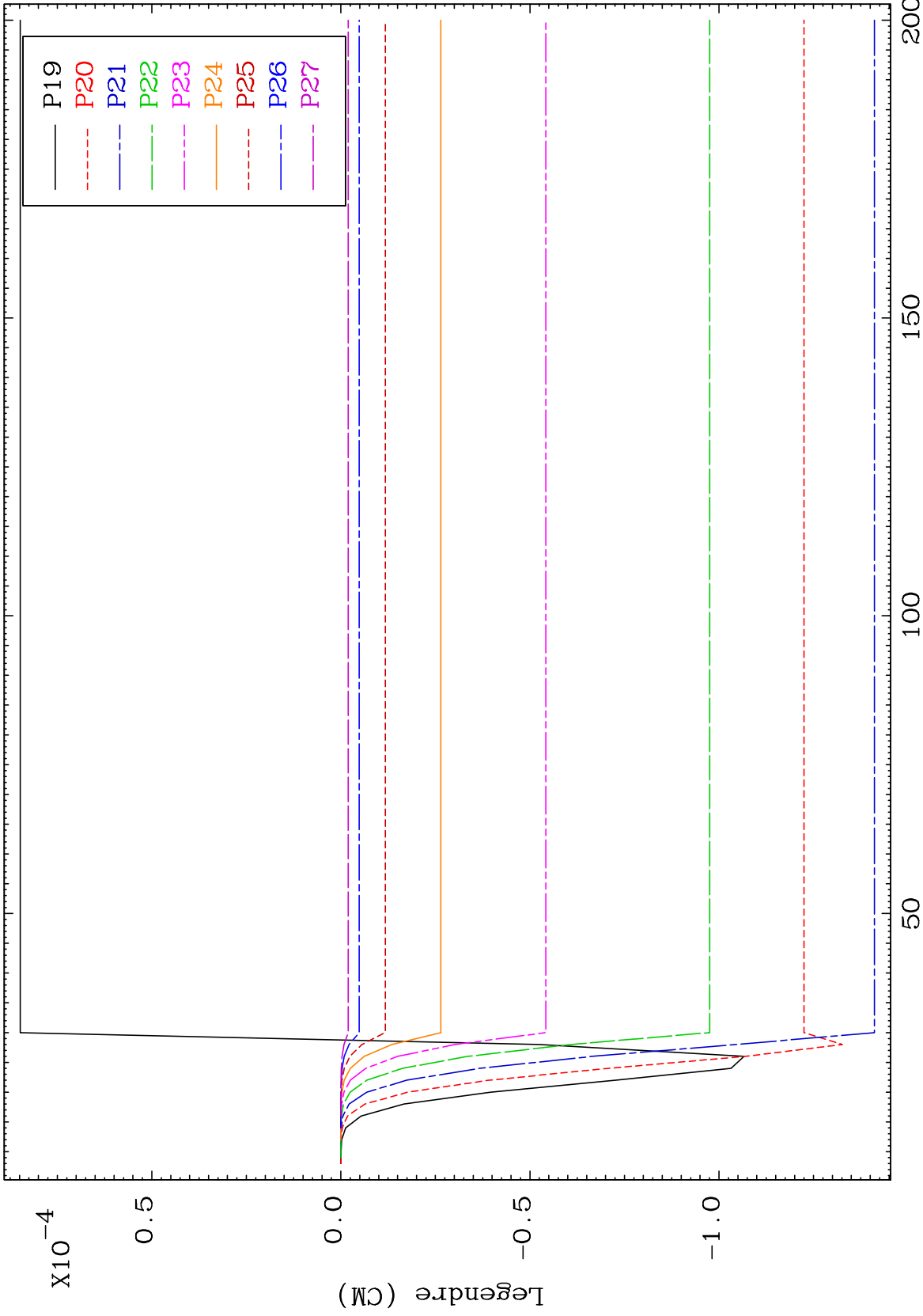
36

50-Sn-124

MAT 5061

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

50-Sn-124



37

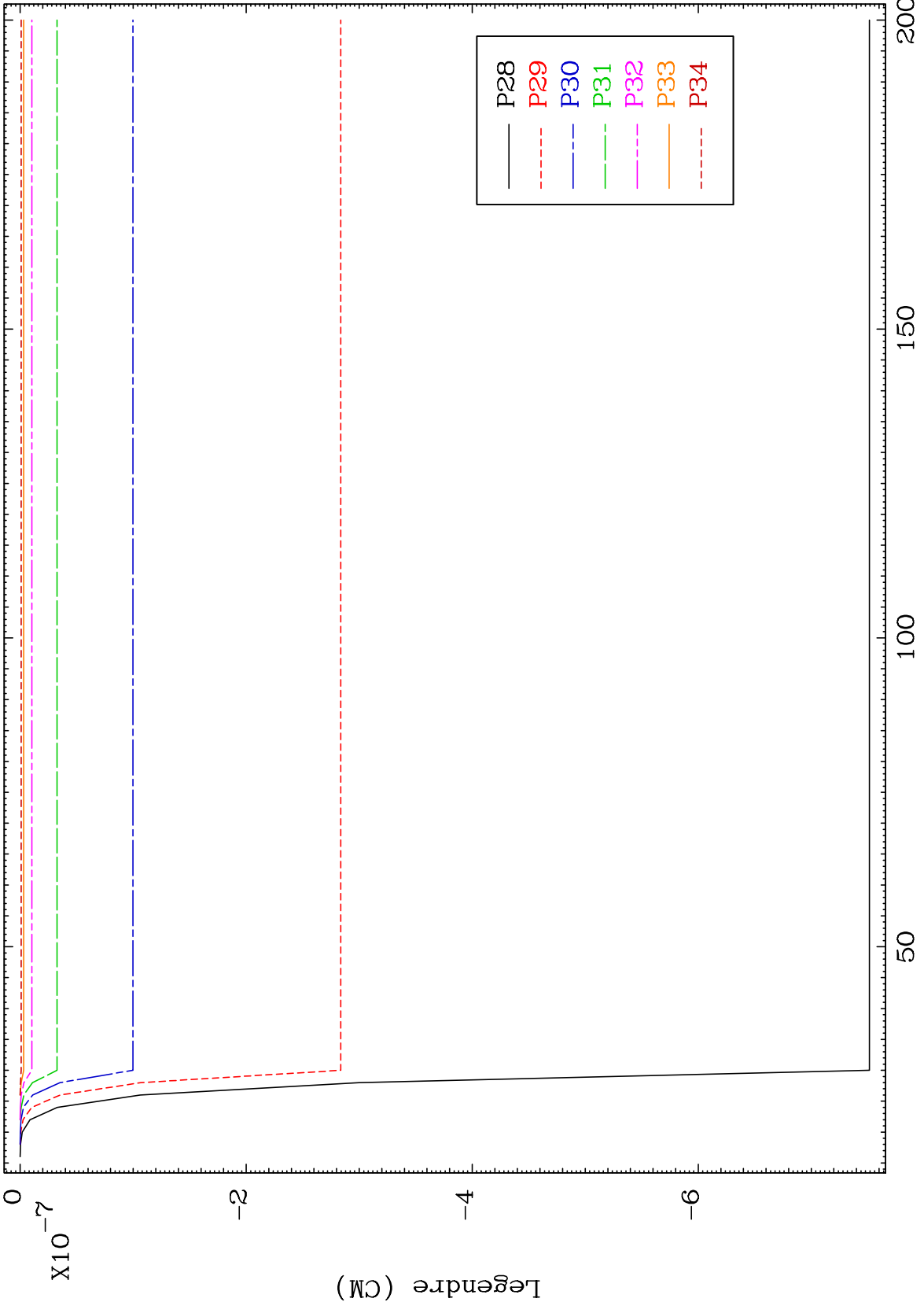
Incident Energy (MeV)

50-Sn-124

MAT 5061 MT= 55 (n,n') Level

Legendre Coefficients

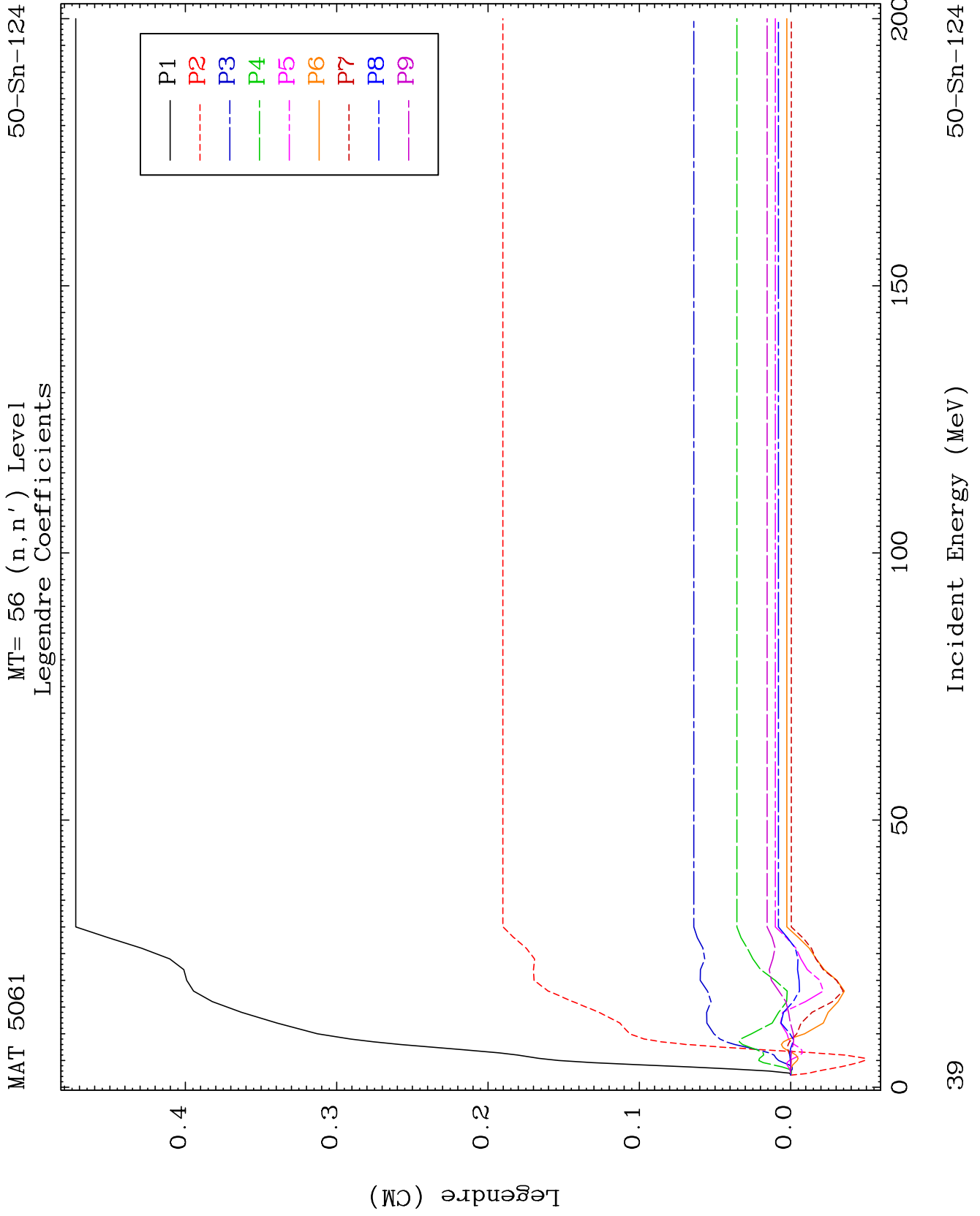
50-Sn-124



50-Sn-124

Incident Energy (MeV)

38

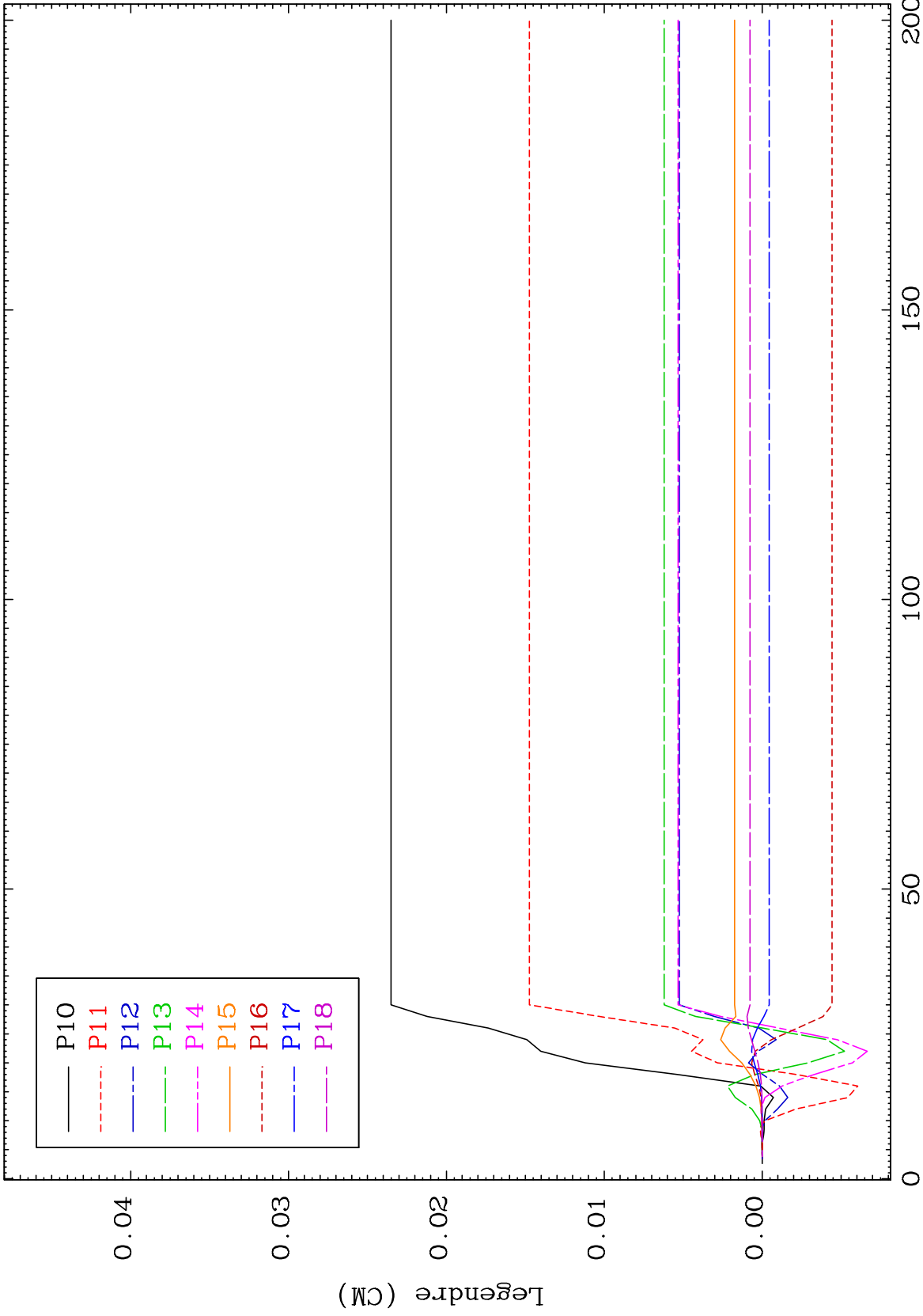




MAT 5061

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

50-Sn-124



40

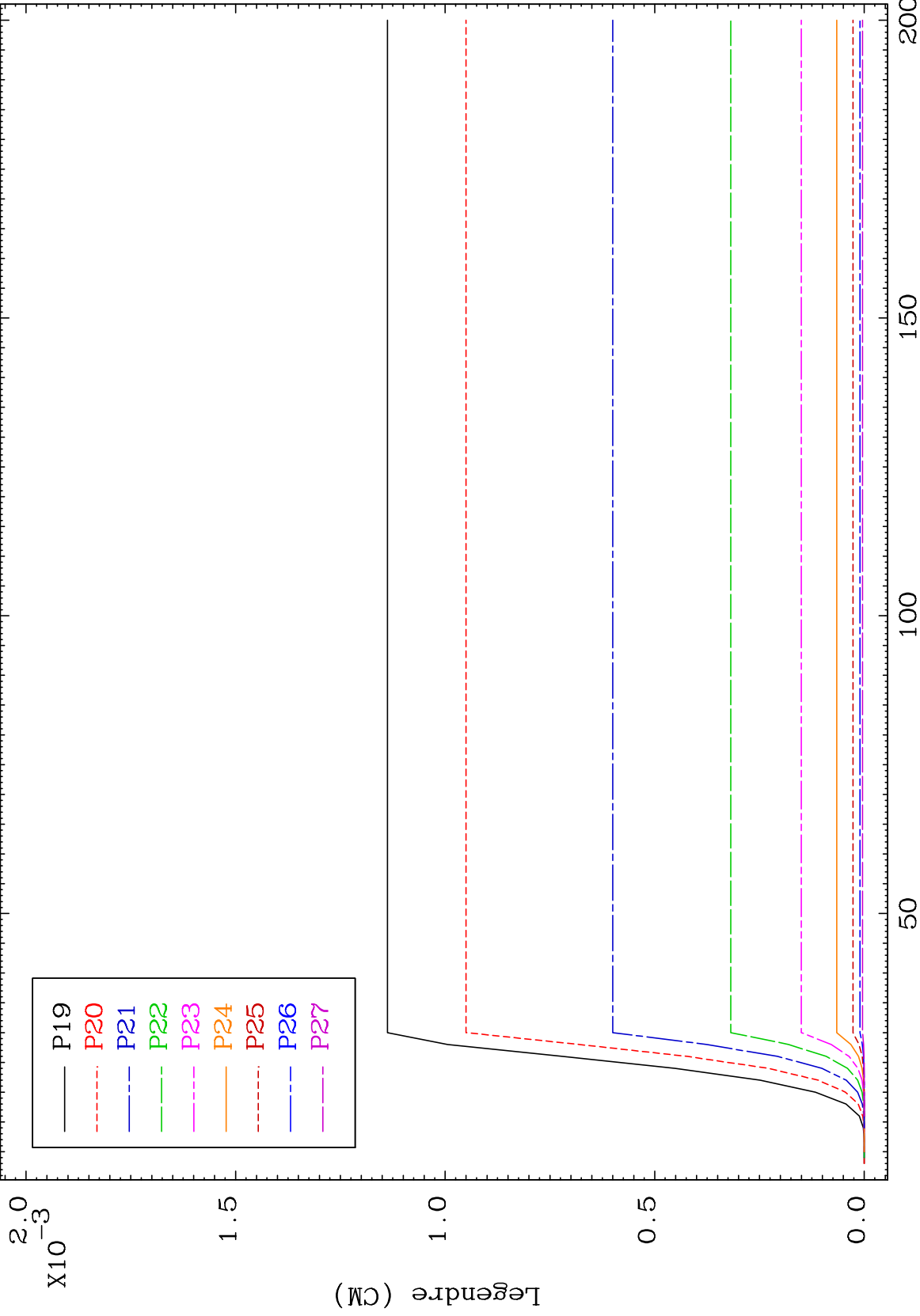
Incident Energy (MeV)

50-Sn-124

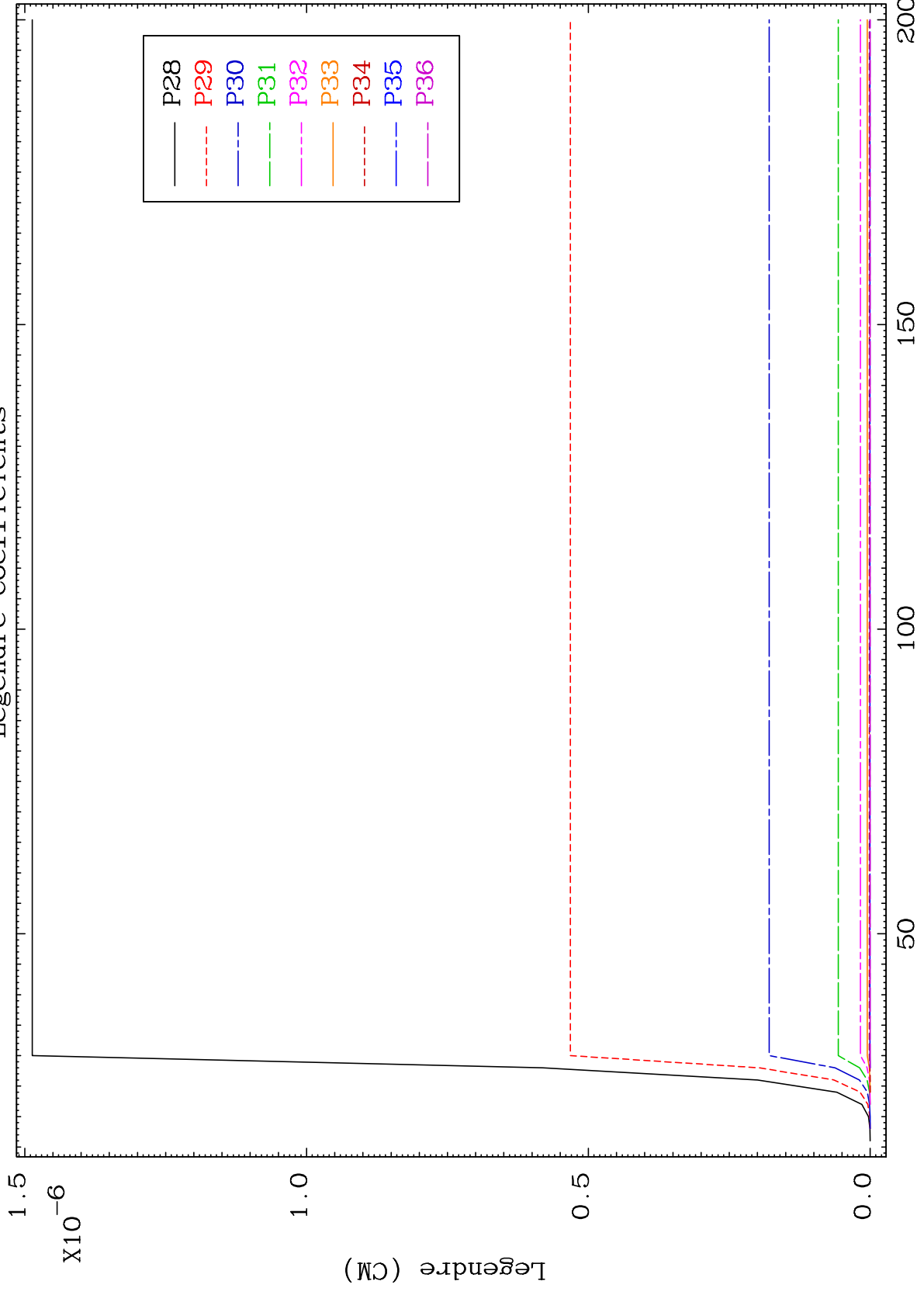
MAT 5061

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

50-Sn-124

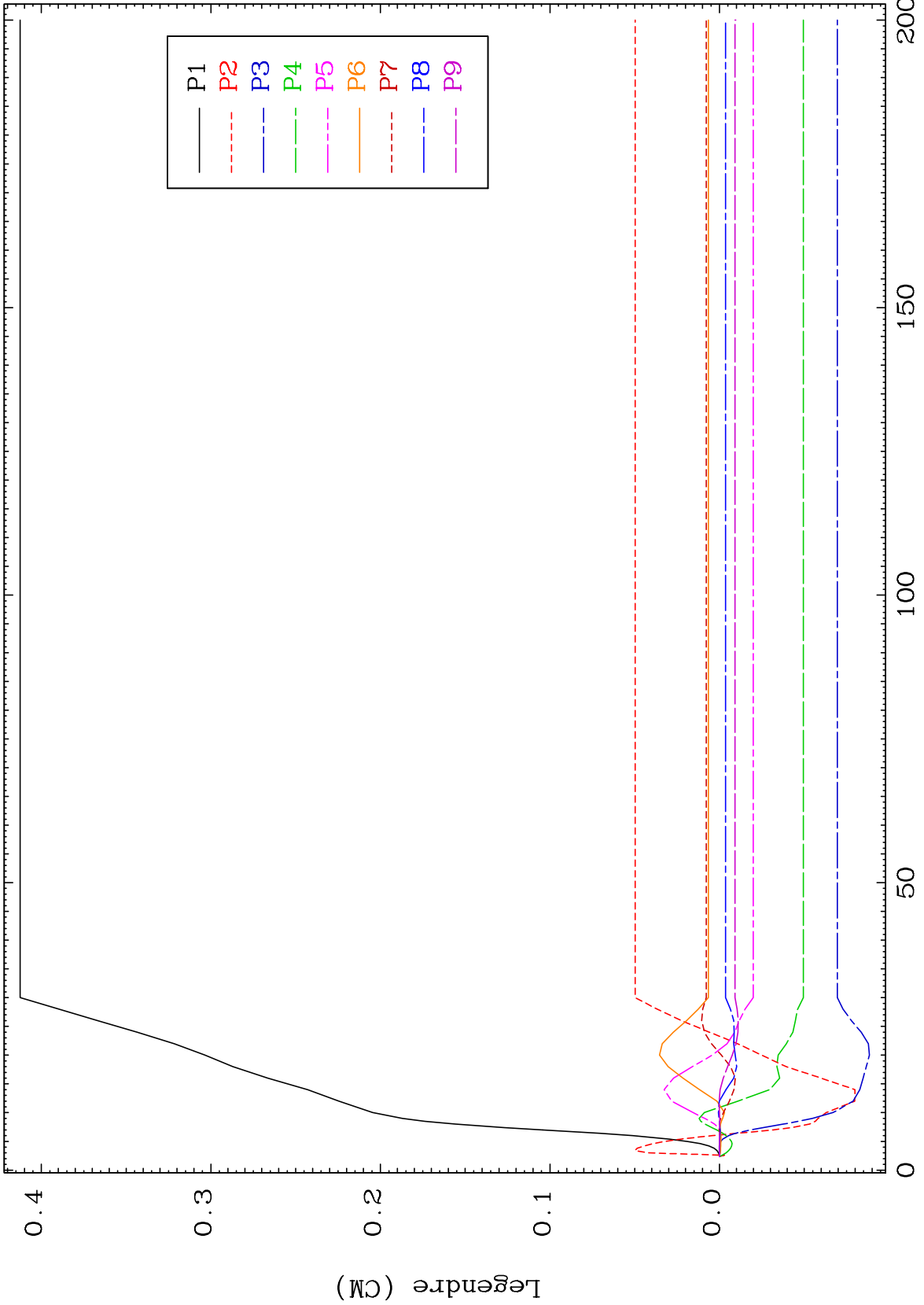


MAT 5061 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-124



MAT 5061 MT= 57 (n,n') Level Legendre Coefficients

50-Sn-124



50-Sn-124

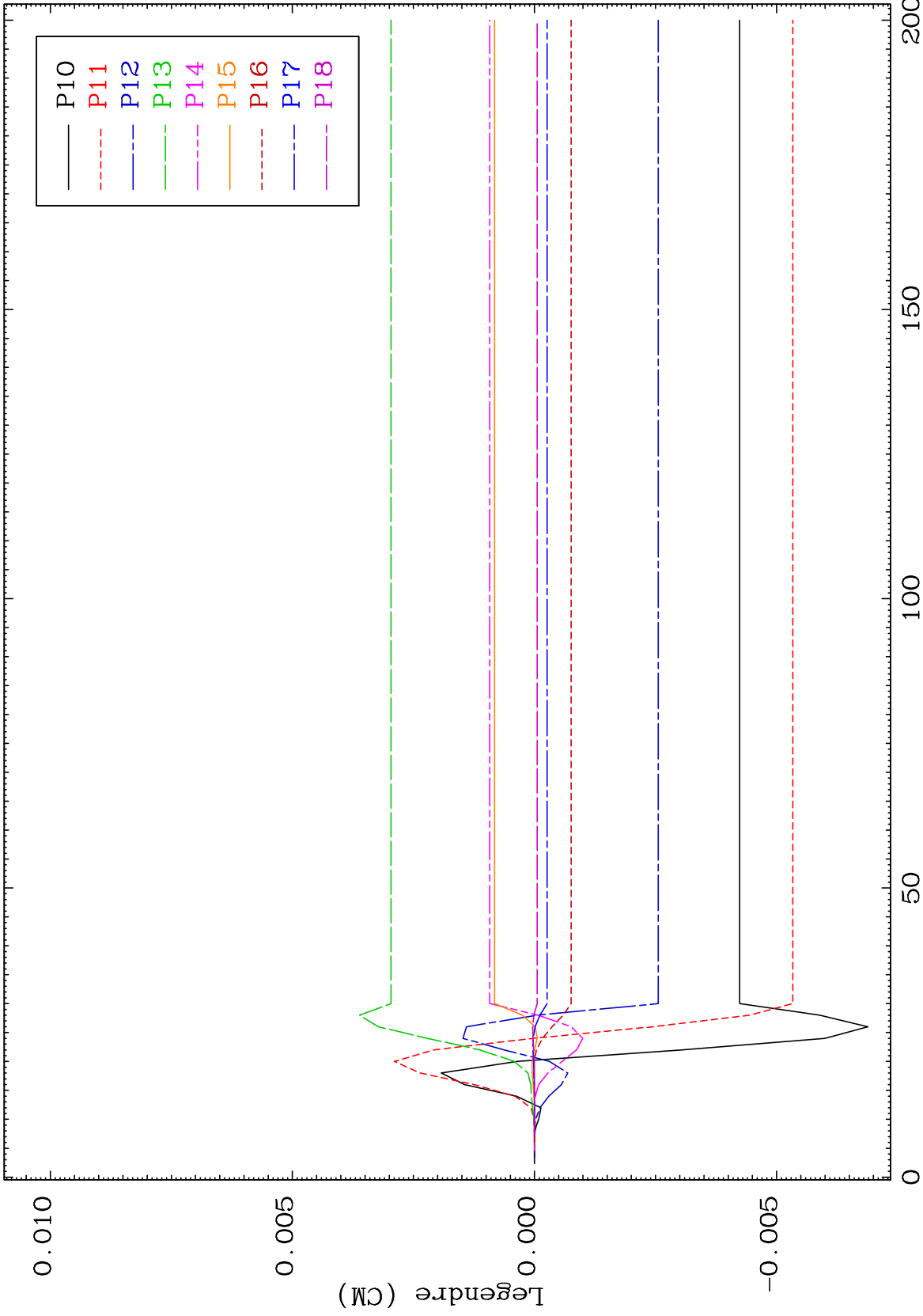
Incident Energy (MeV)

43

MAT 5061

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

50-Sn-124

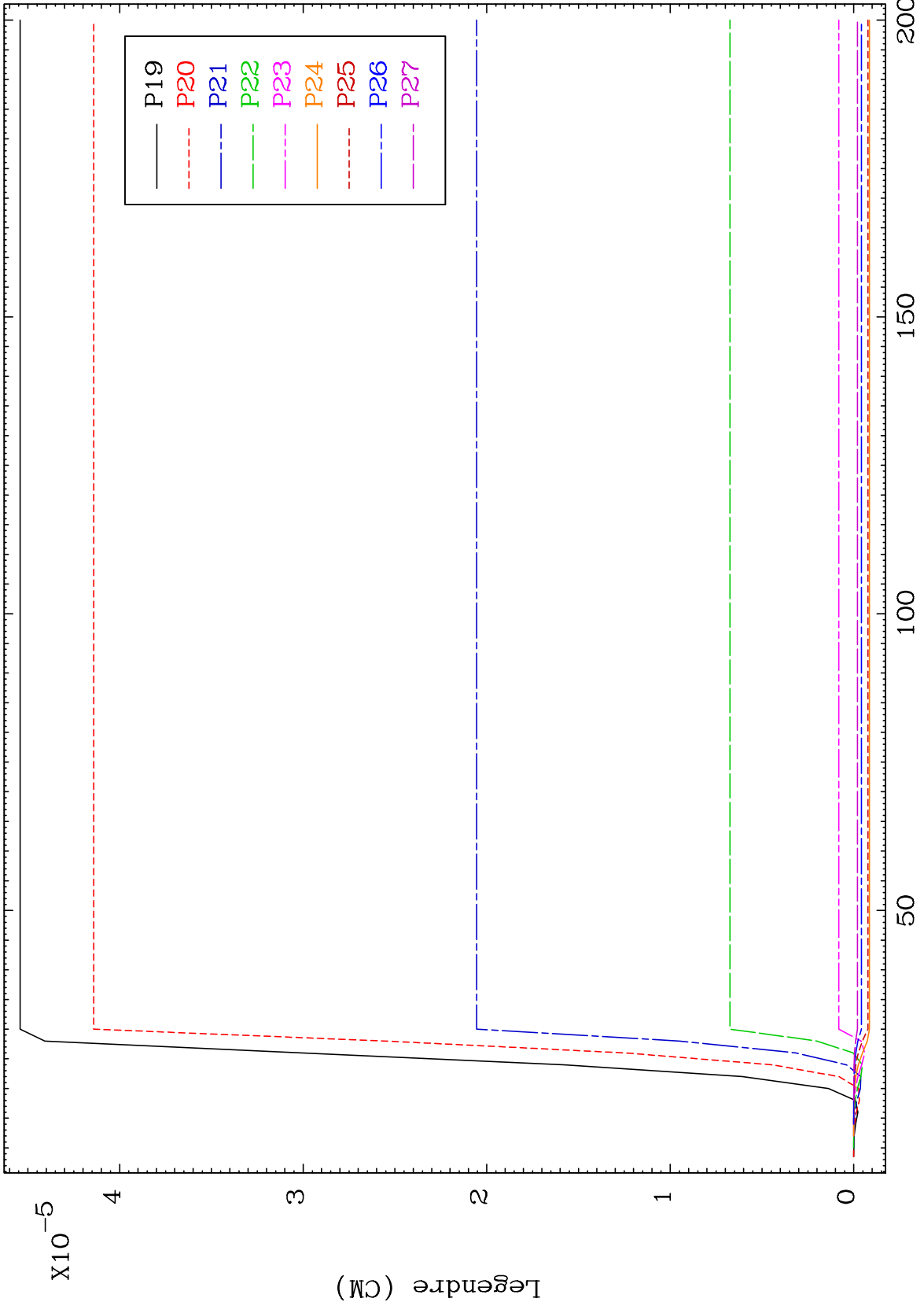


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Incident Energy (MeV)

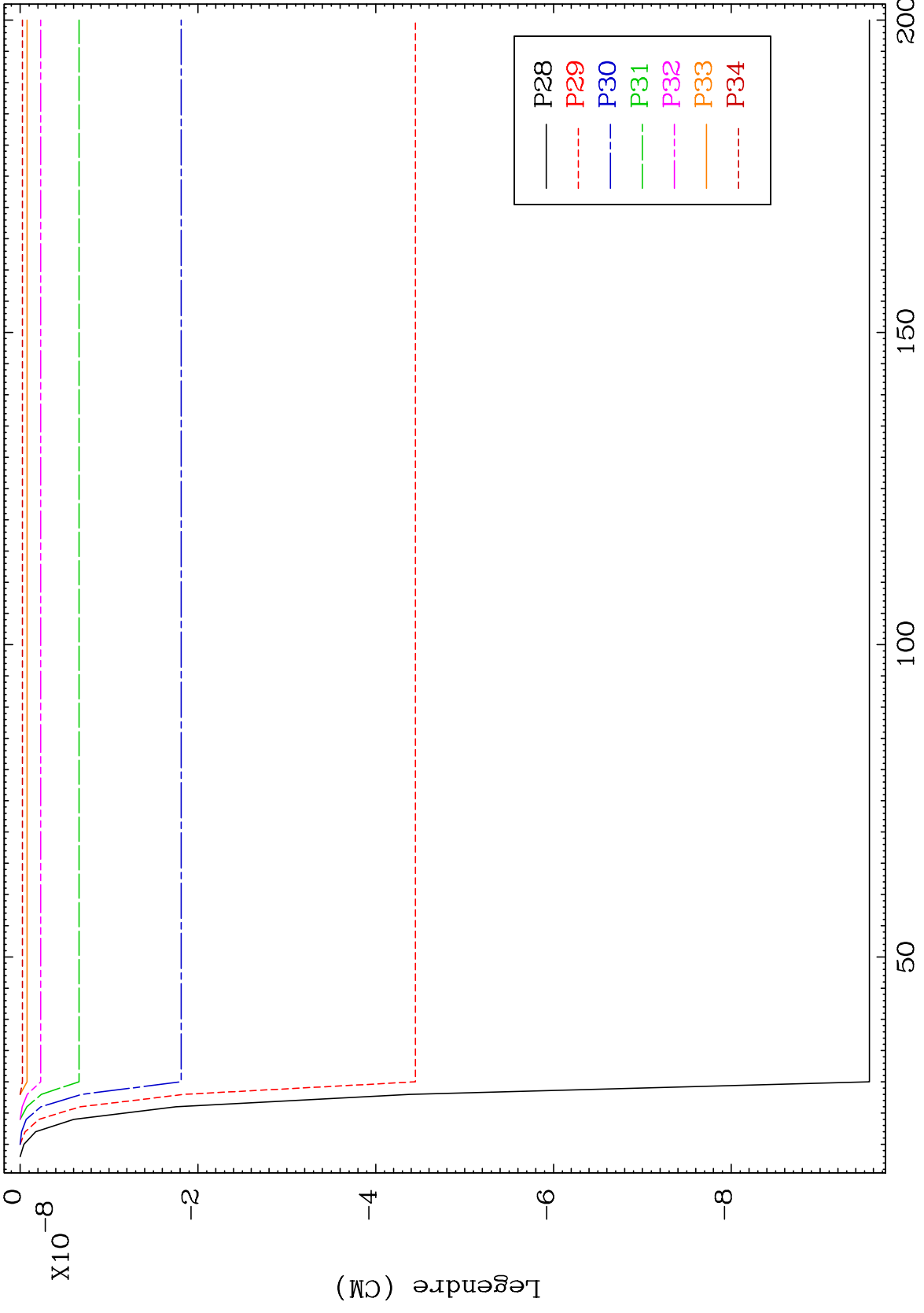
50-Sn-124

MAT 5061 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-124

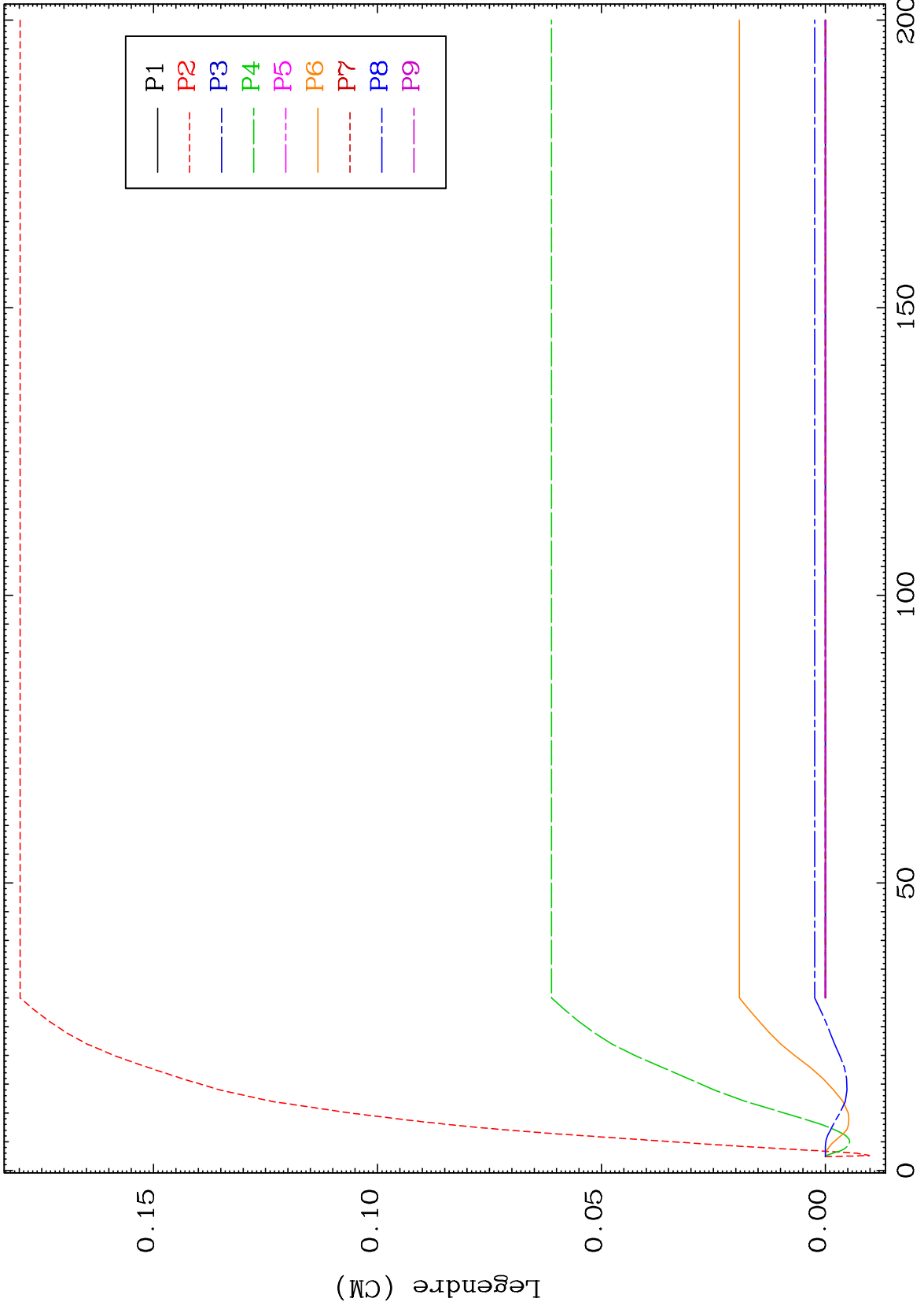


Legendre (CM) X10<sup>-5</sup> Incident Energy (MeV) 50-Sn-124

MAT 5061 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-124



MAT 5061 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-124

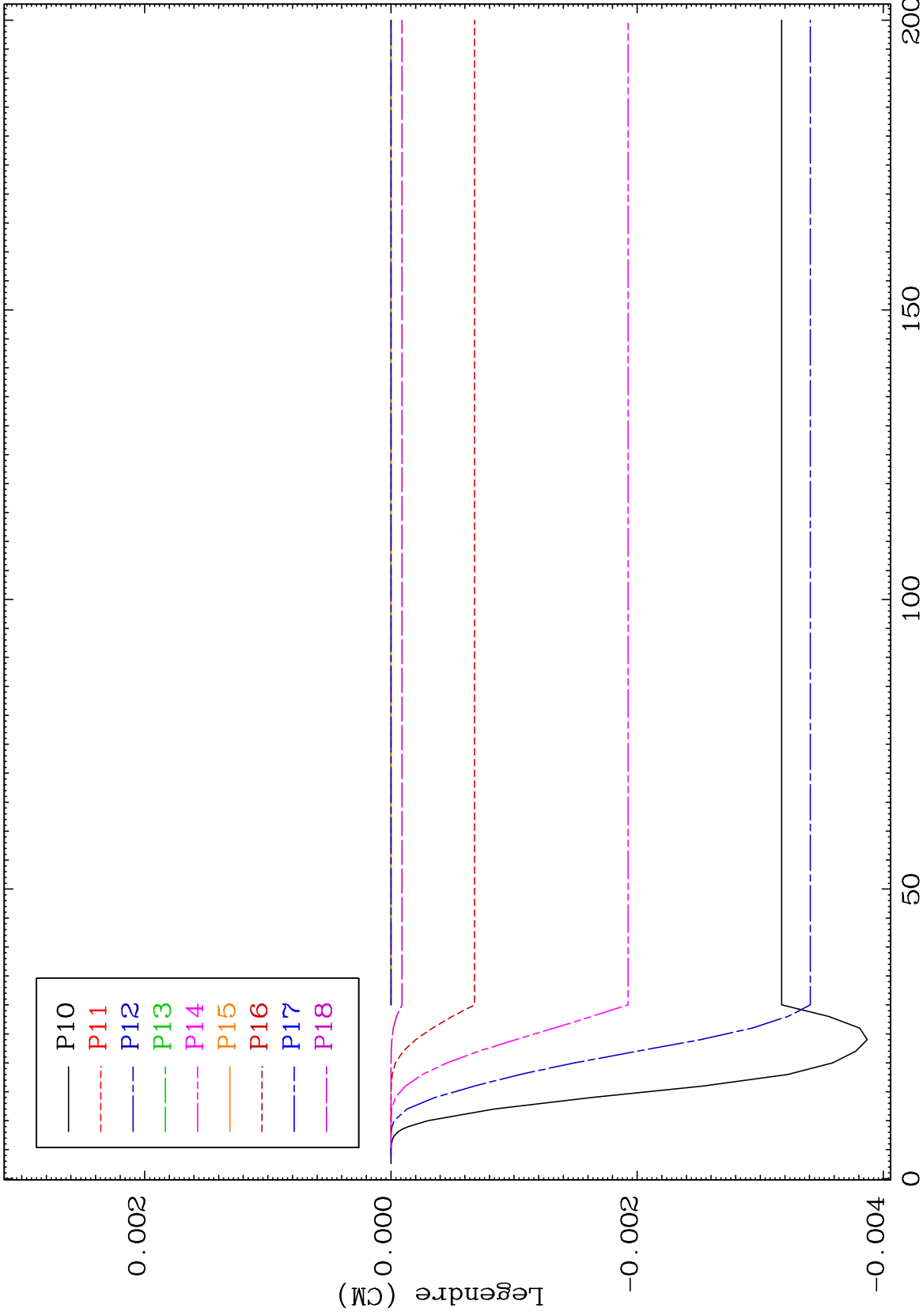




MAT 5061

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

50-Sn-124

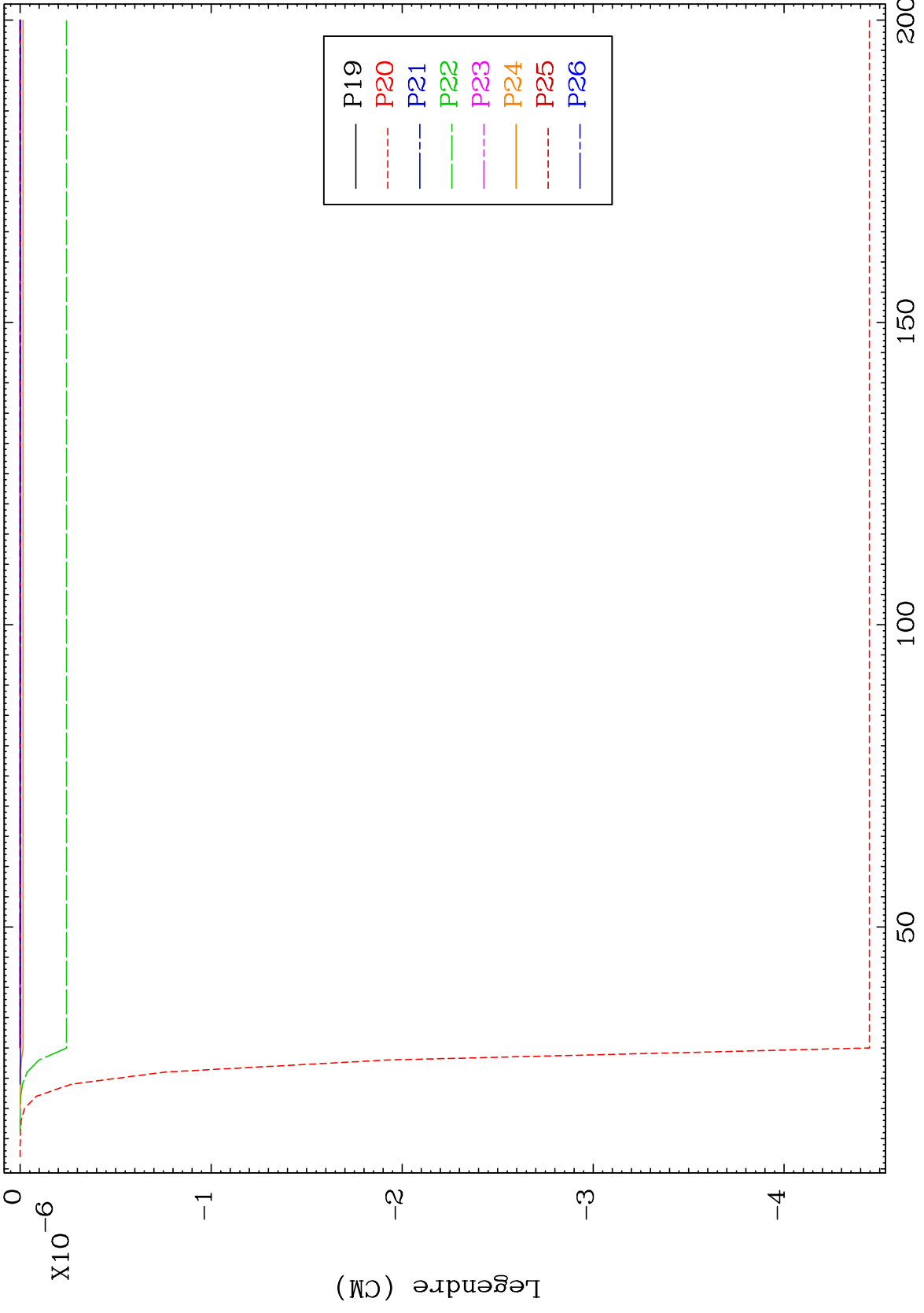


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Incident Energy (MeV)

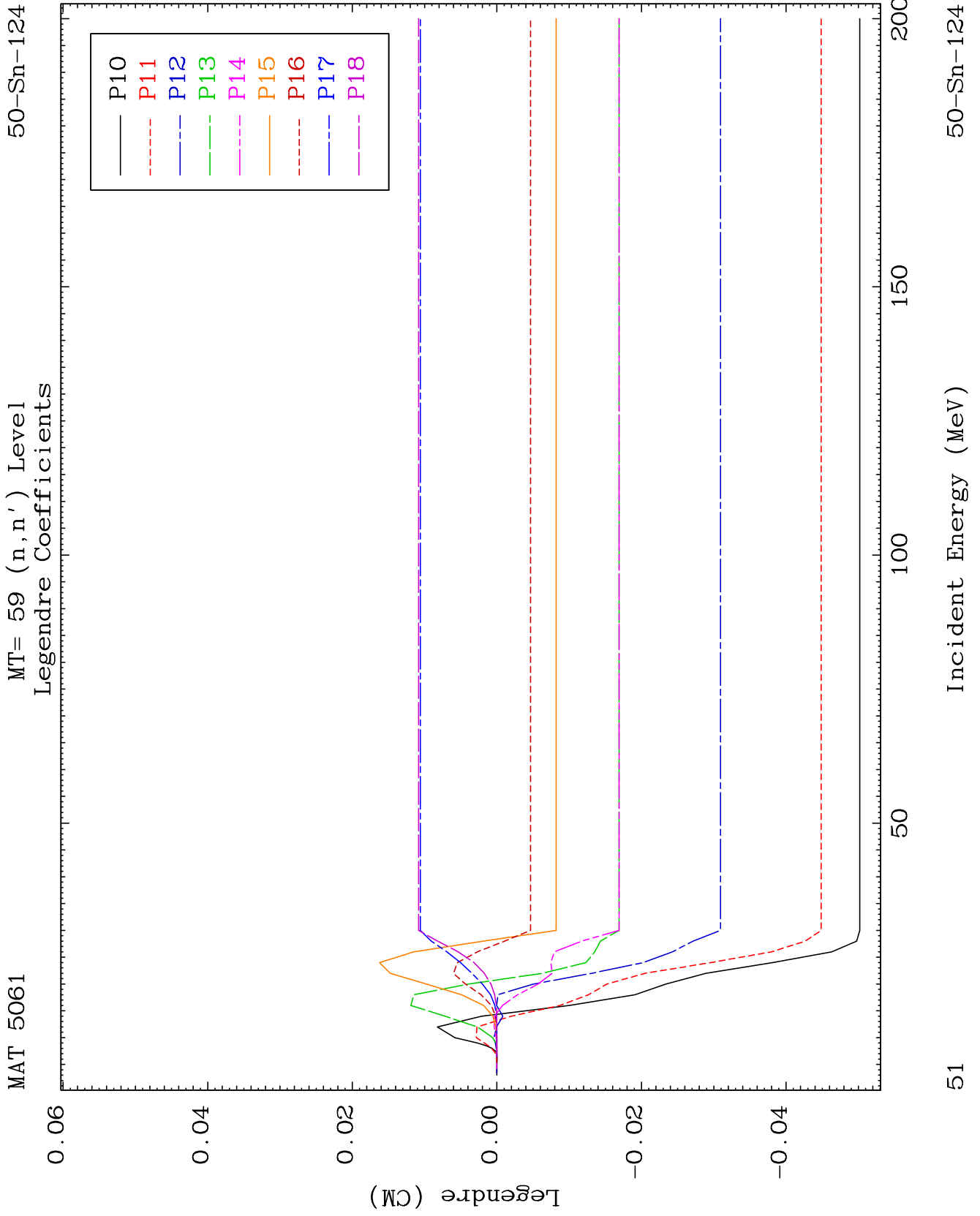
50-Sn-124

MAT 5061 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-124

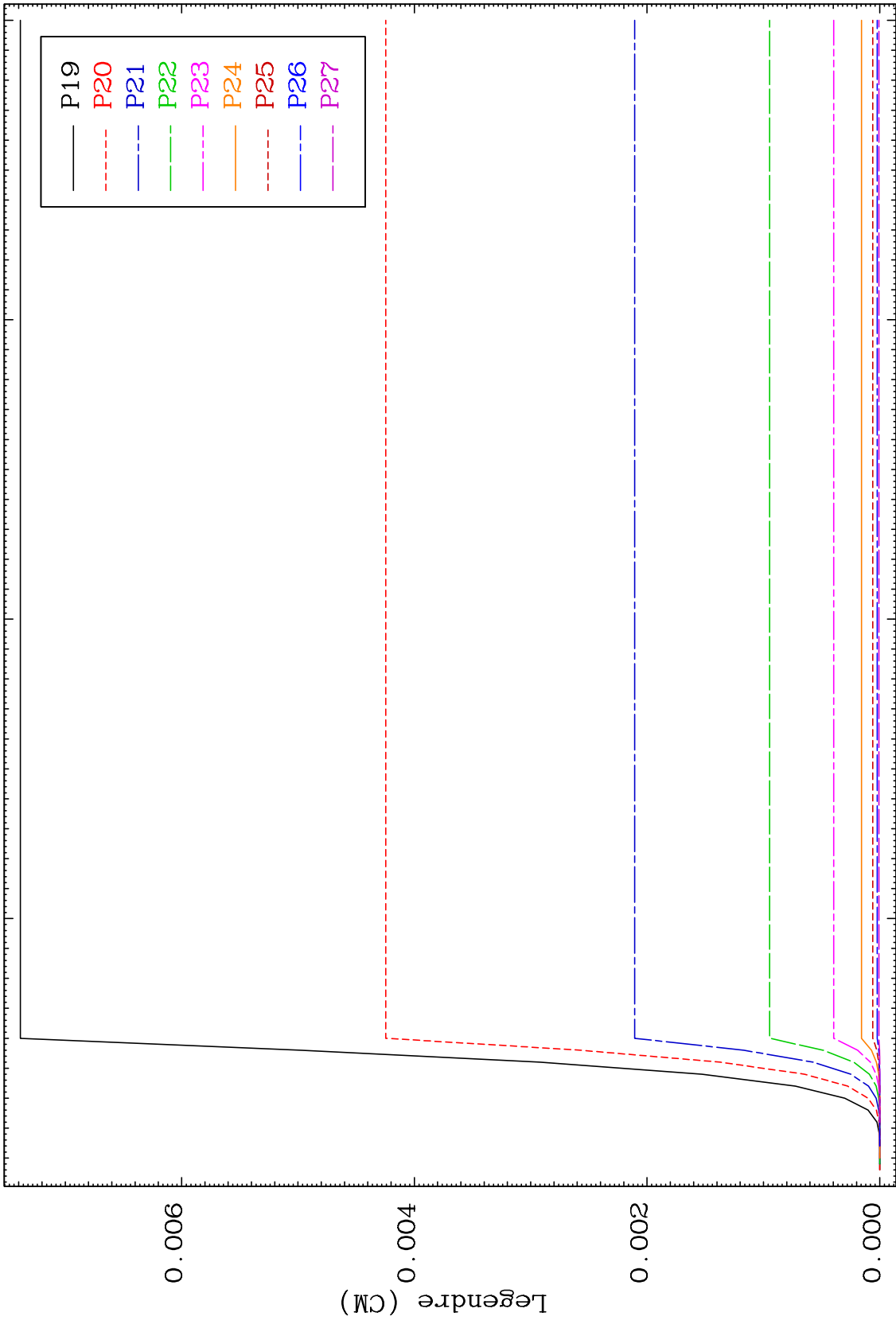


49 Incident Energy (MeV) 50-Sn-124



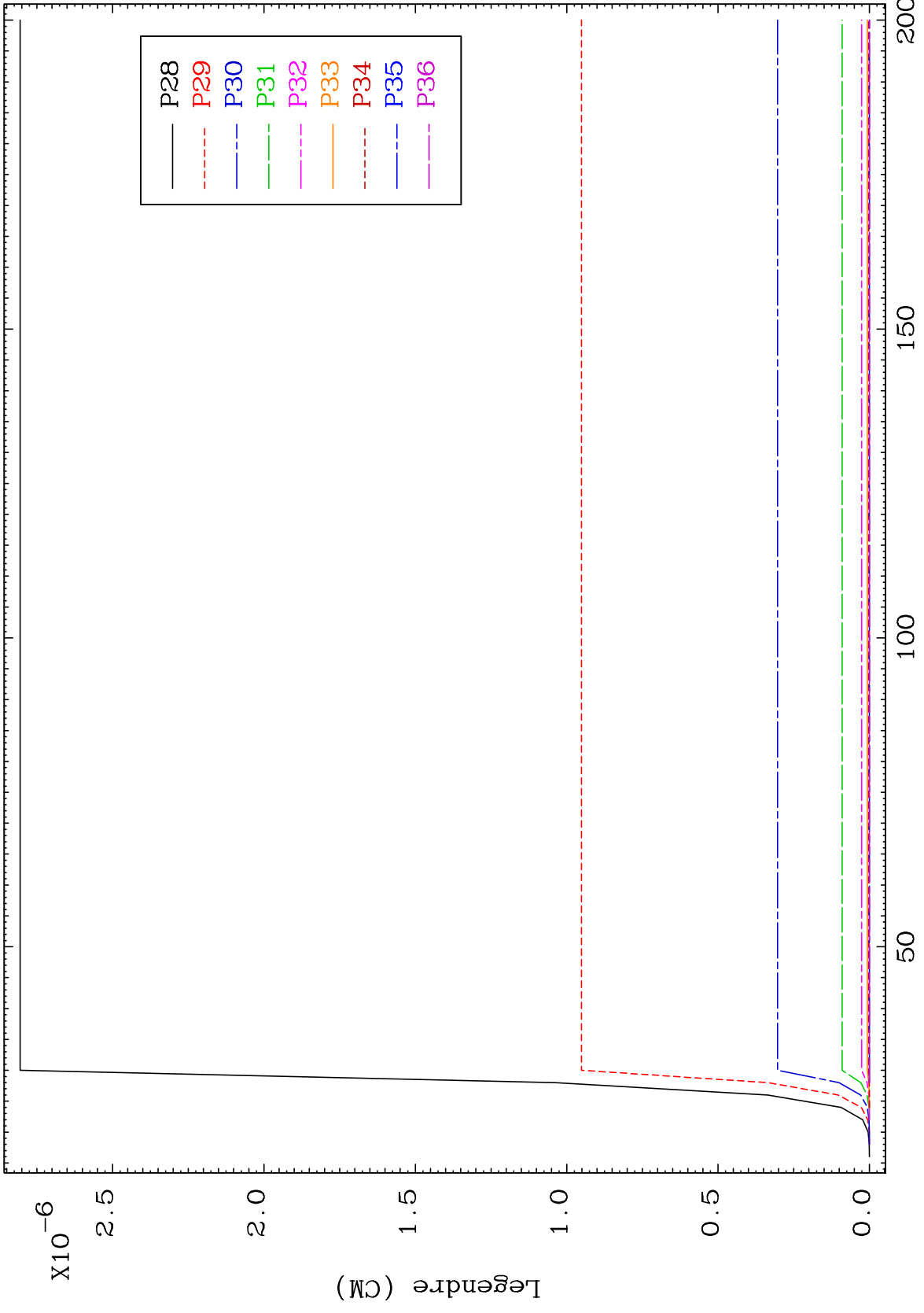


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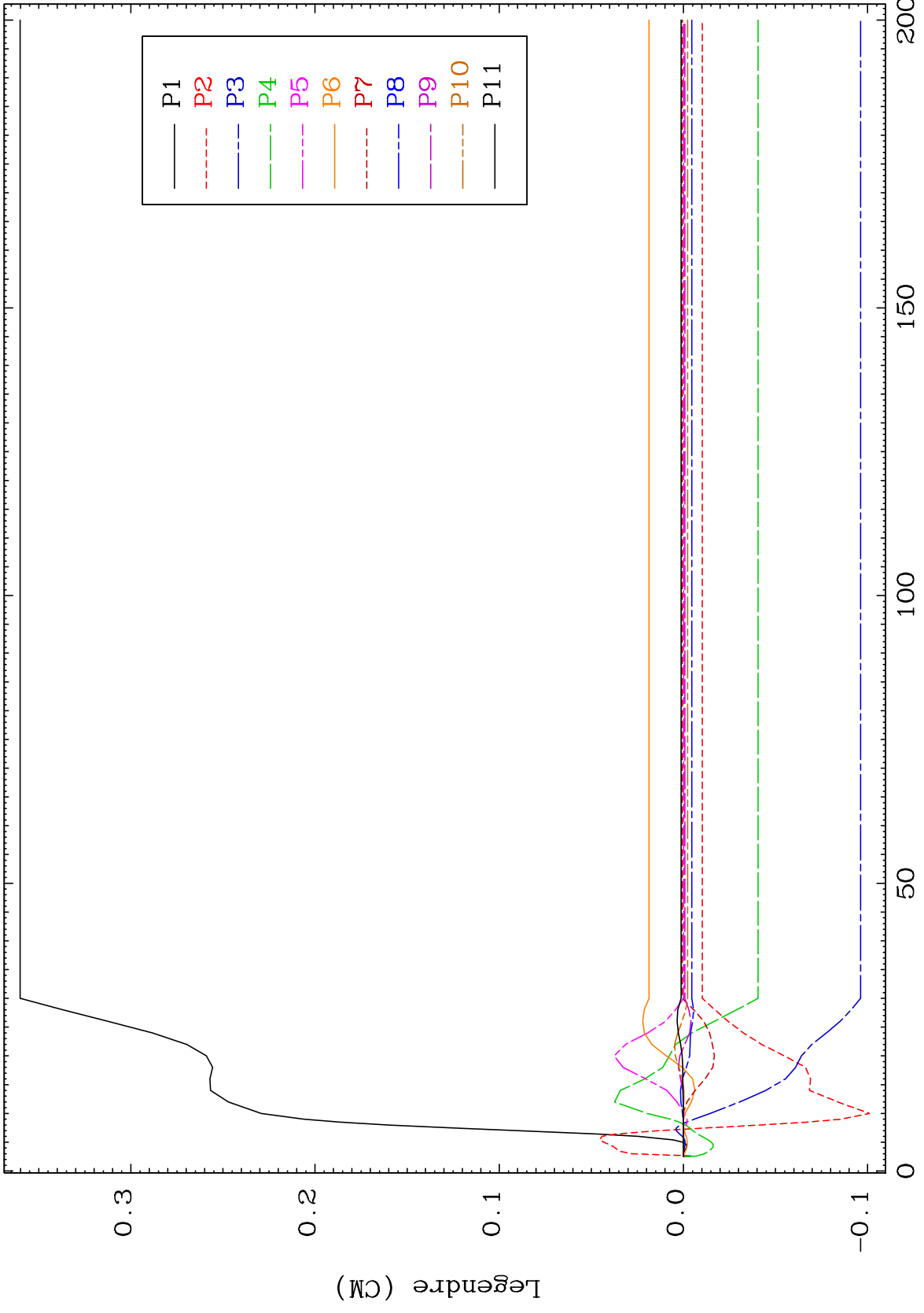
52 Incident Energy (MeV) 50-Sn-124

MAT 5061 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-124



53 50-Sn-124

MAT 5061 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-124

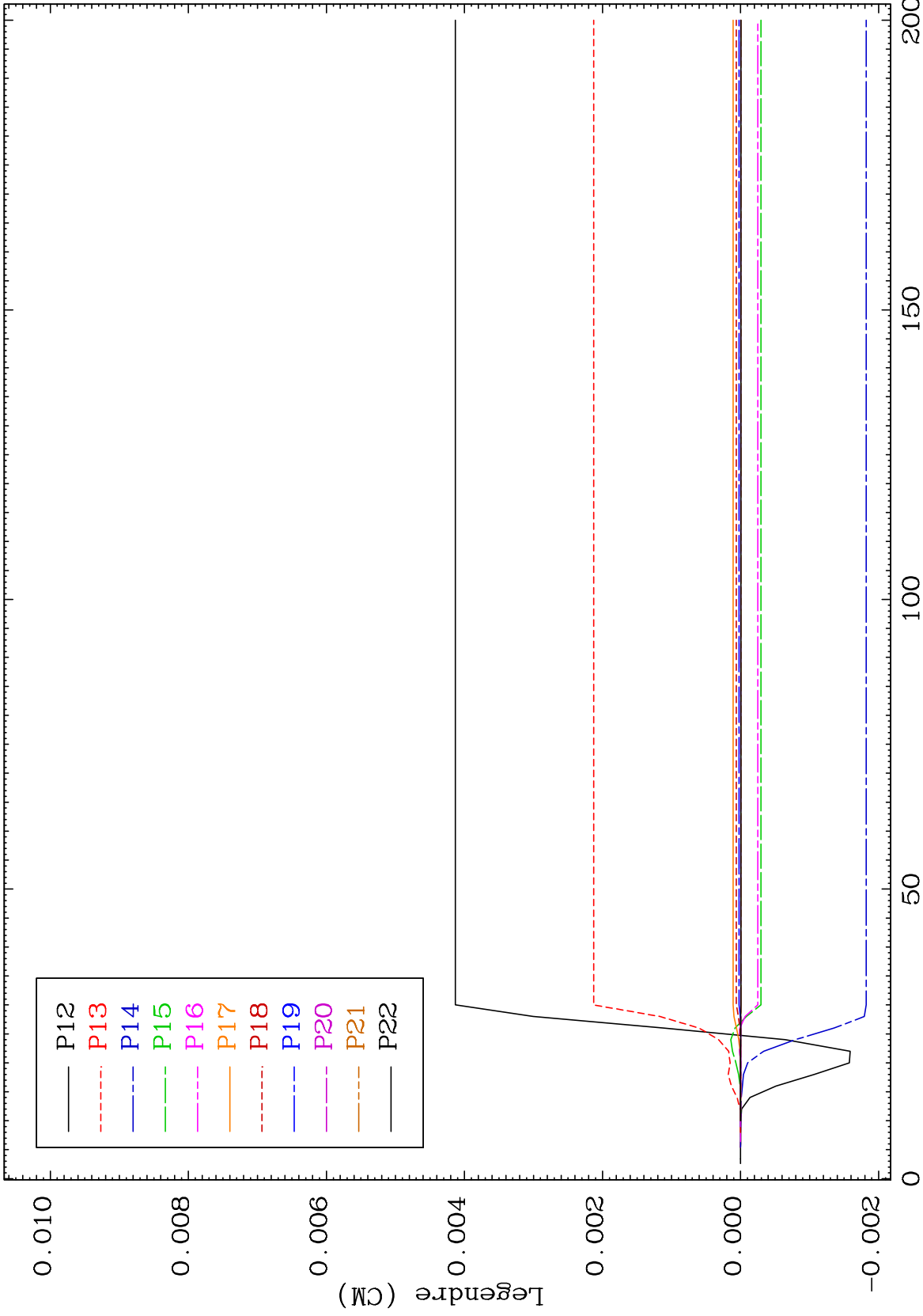


54 50-Sn-124

MAT 5061

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

50-Sn-124



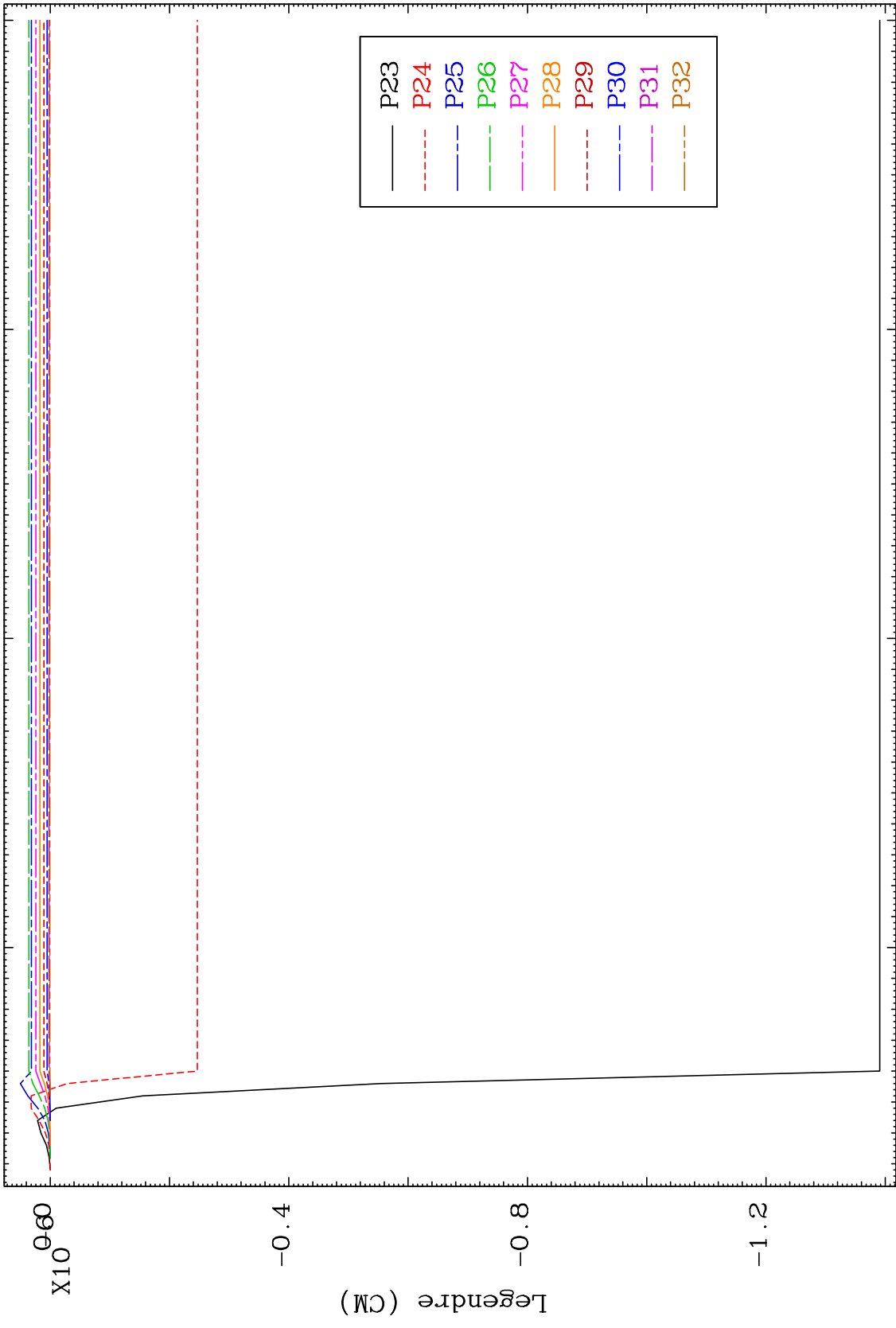
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Incident Energy (MeV)

50-Sn-124

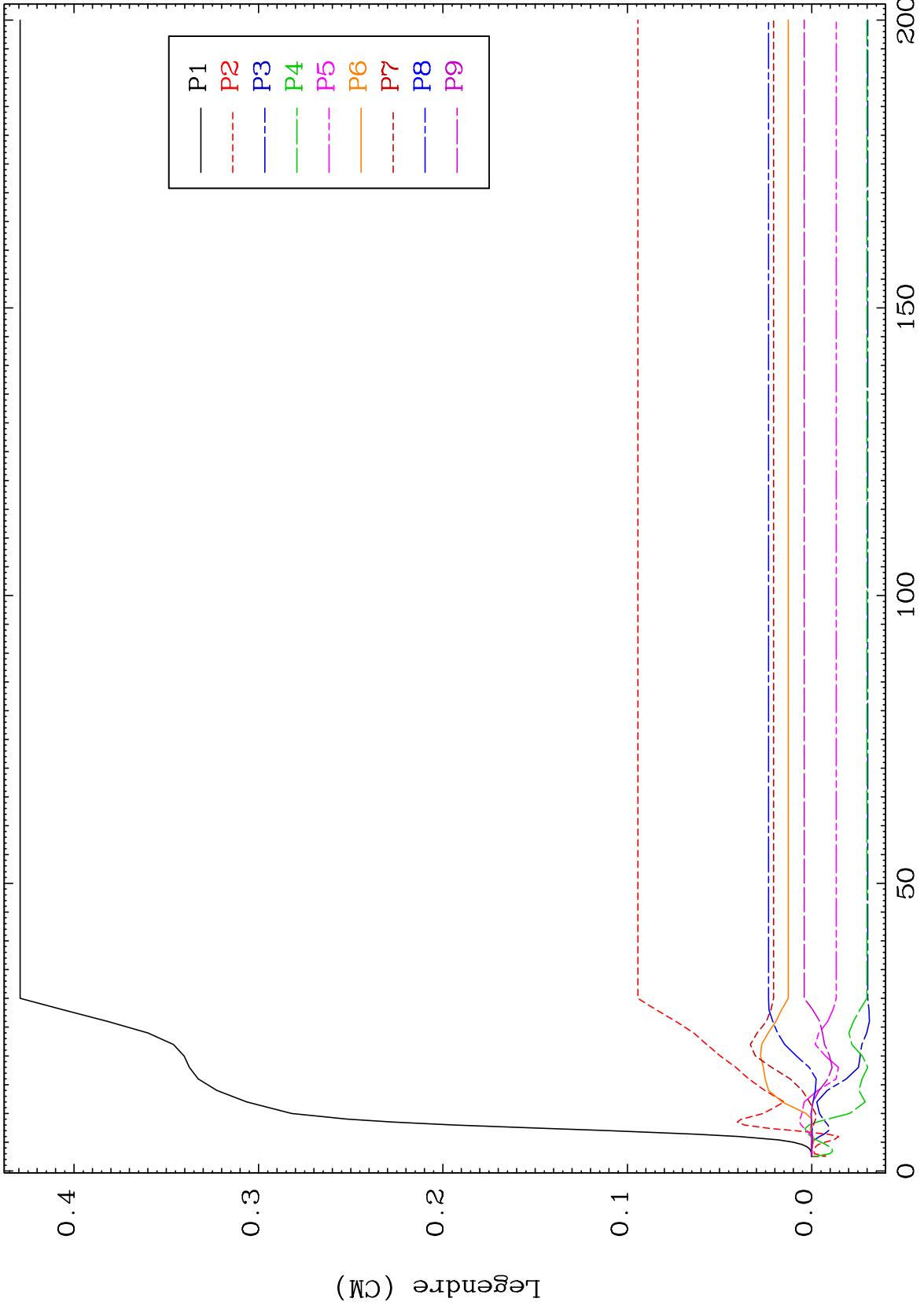


MAT 5061 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-124



56 50-Sn-124

MAT 5061 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-124

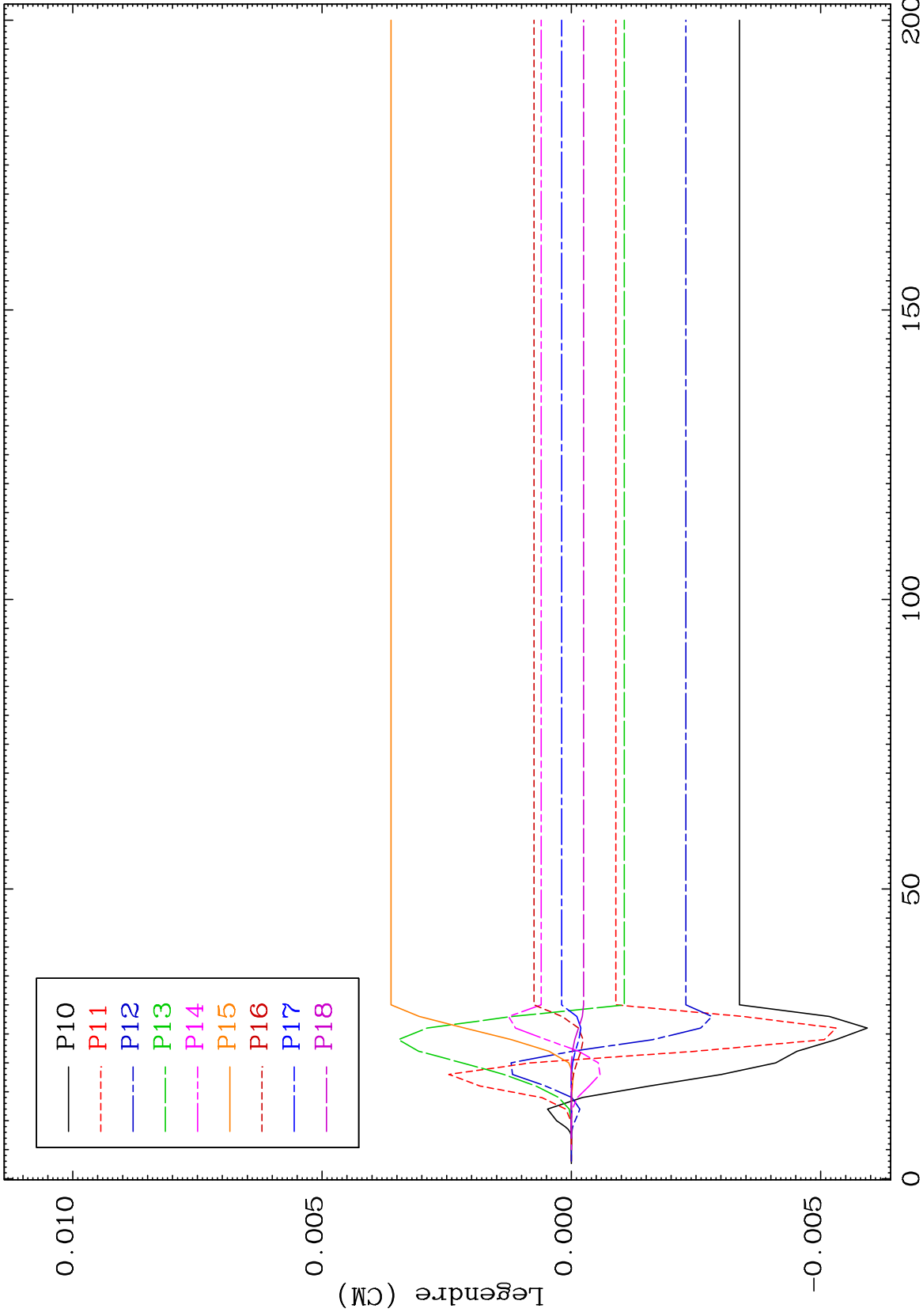


57 50-Sn-124

MAT 5061

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

50-Sn-124

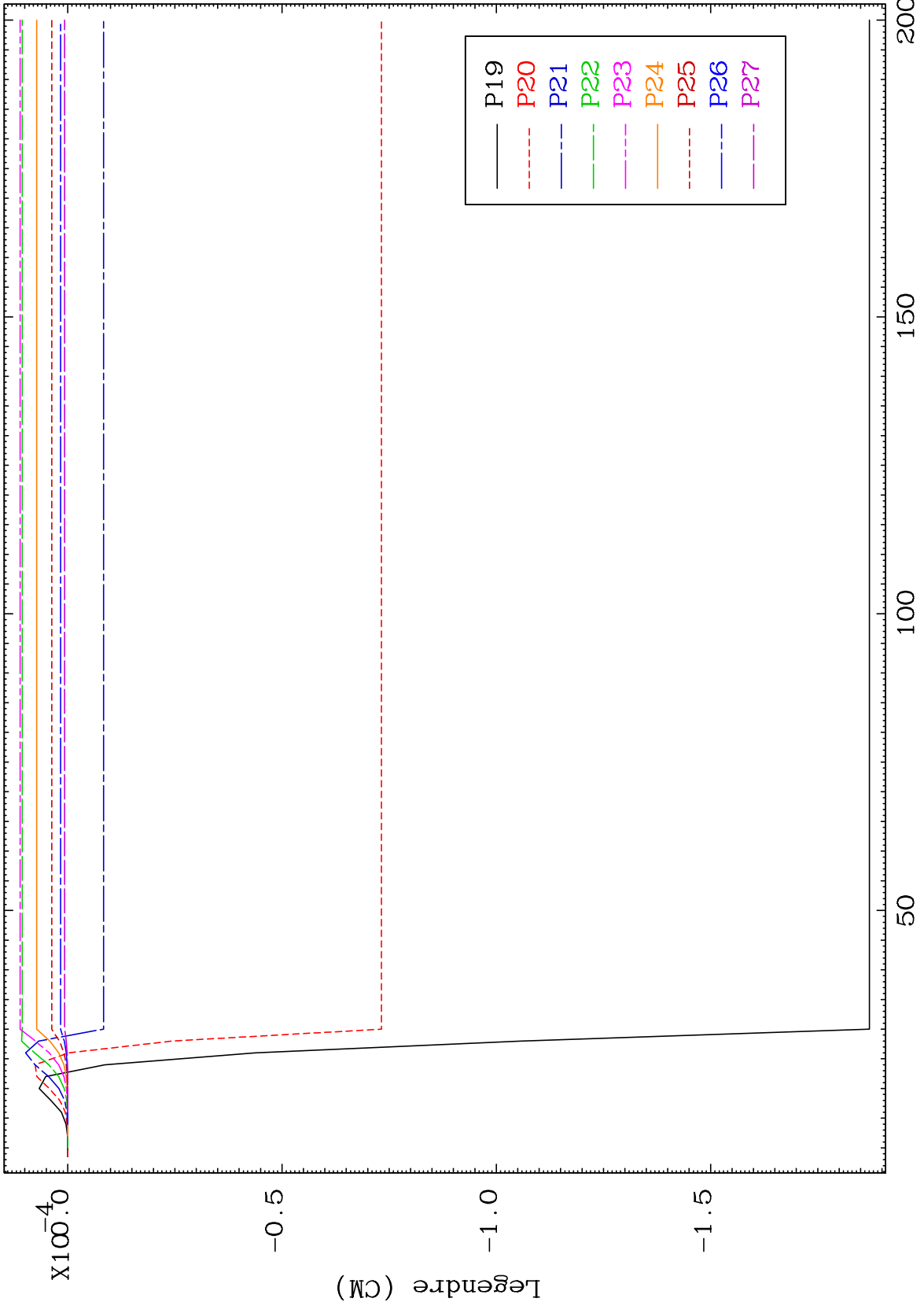


58

Incident Energy (MeV)

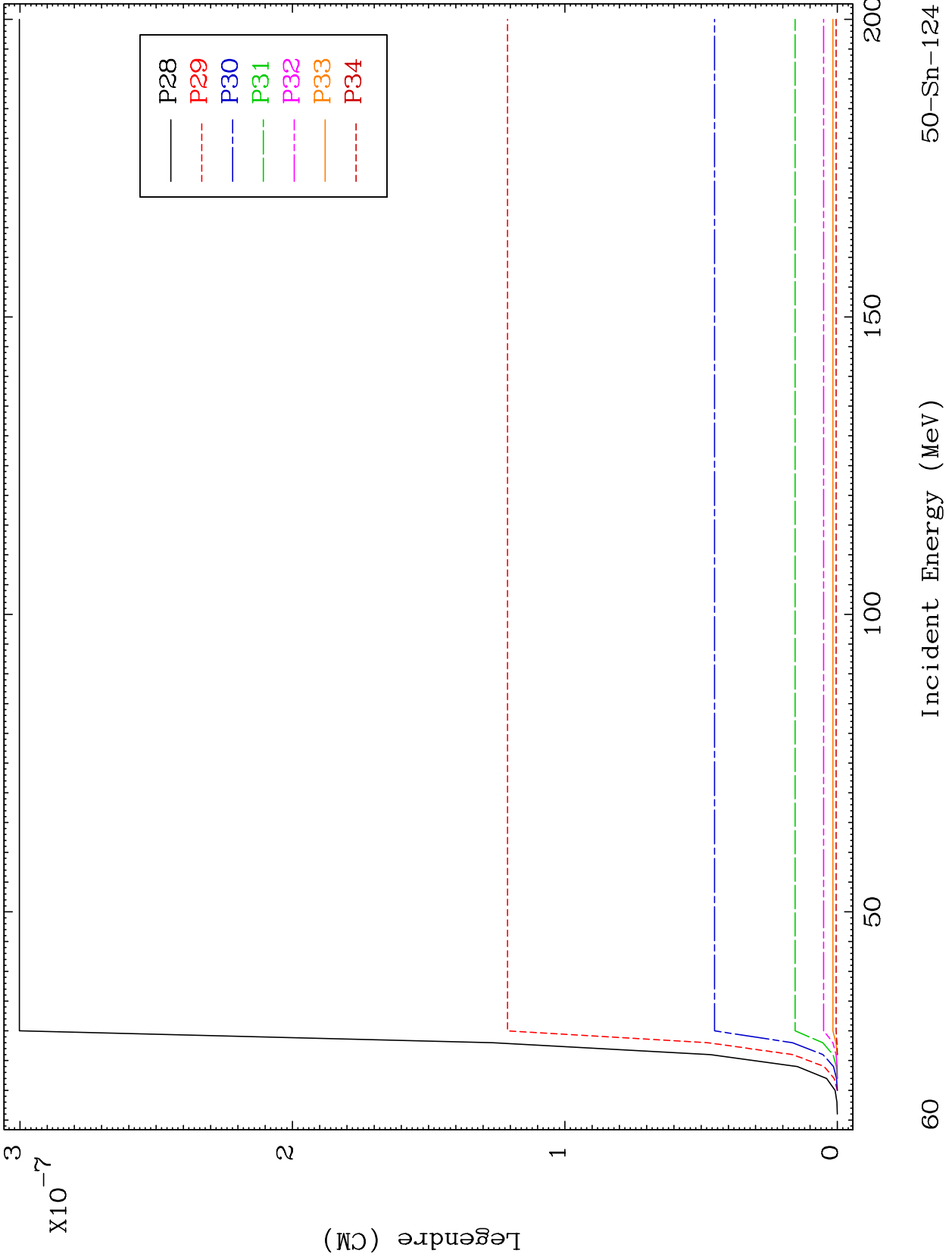
50-Sn-124

MAT 5061 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-124



59 50-Sn-124

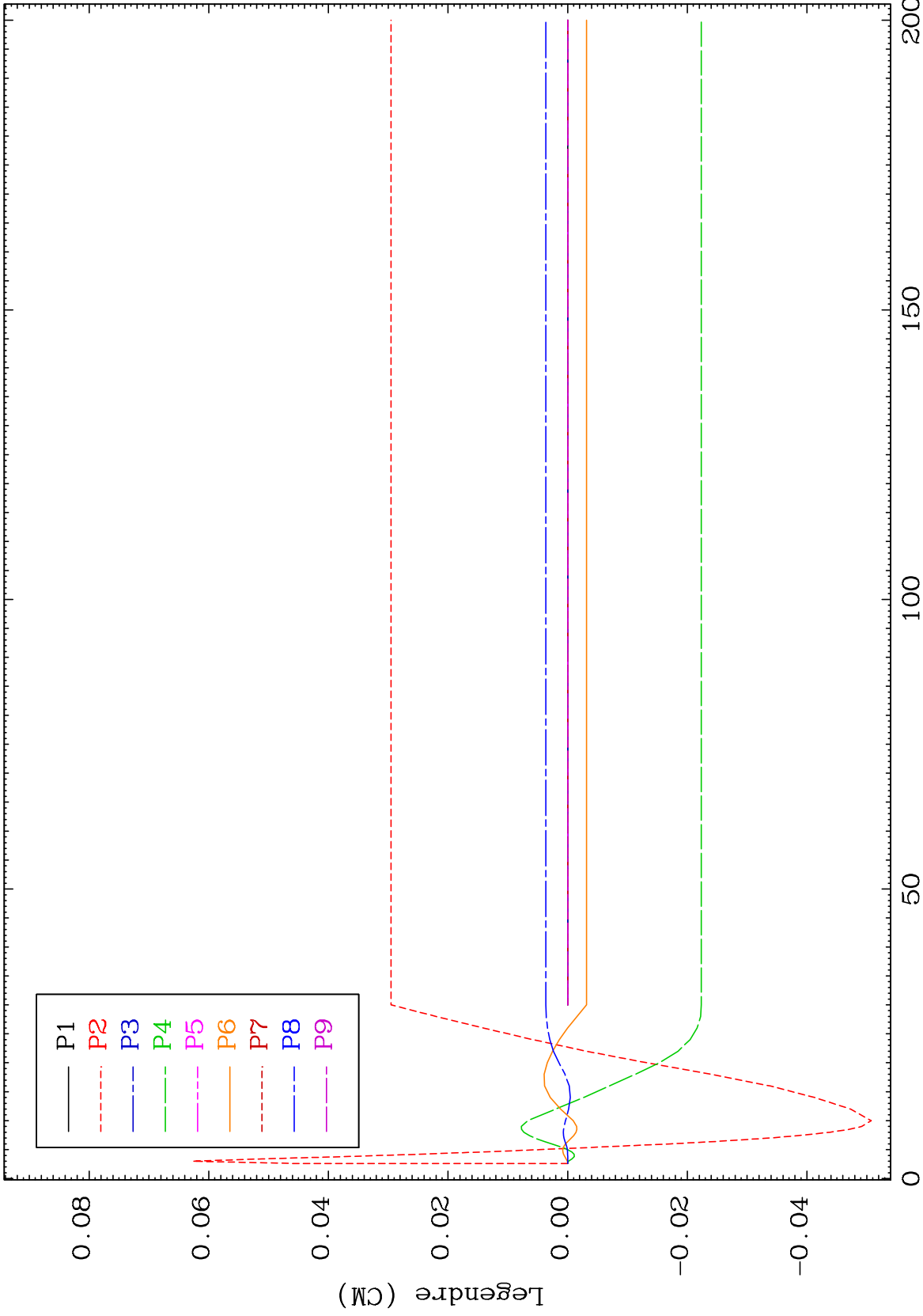
MAT 5061 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-124



MAT 5061

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

50-Sn-124



61

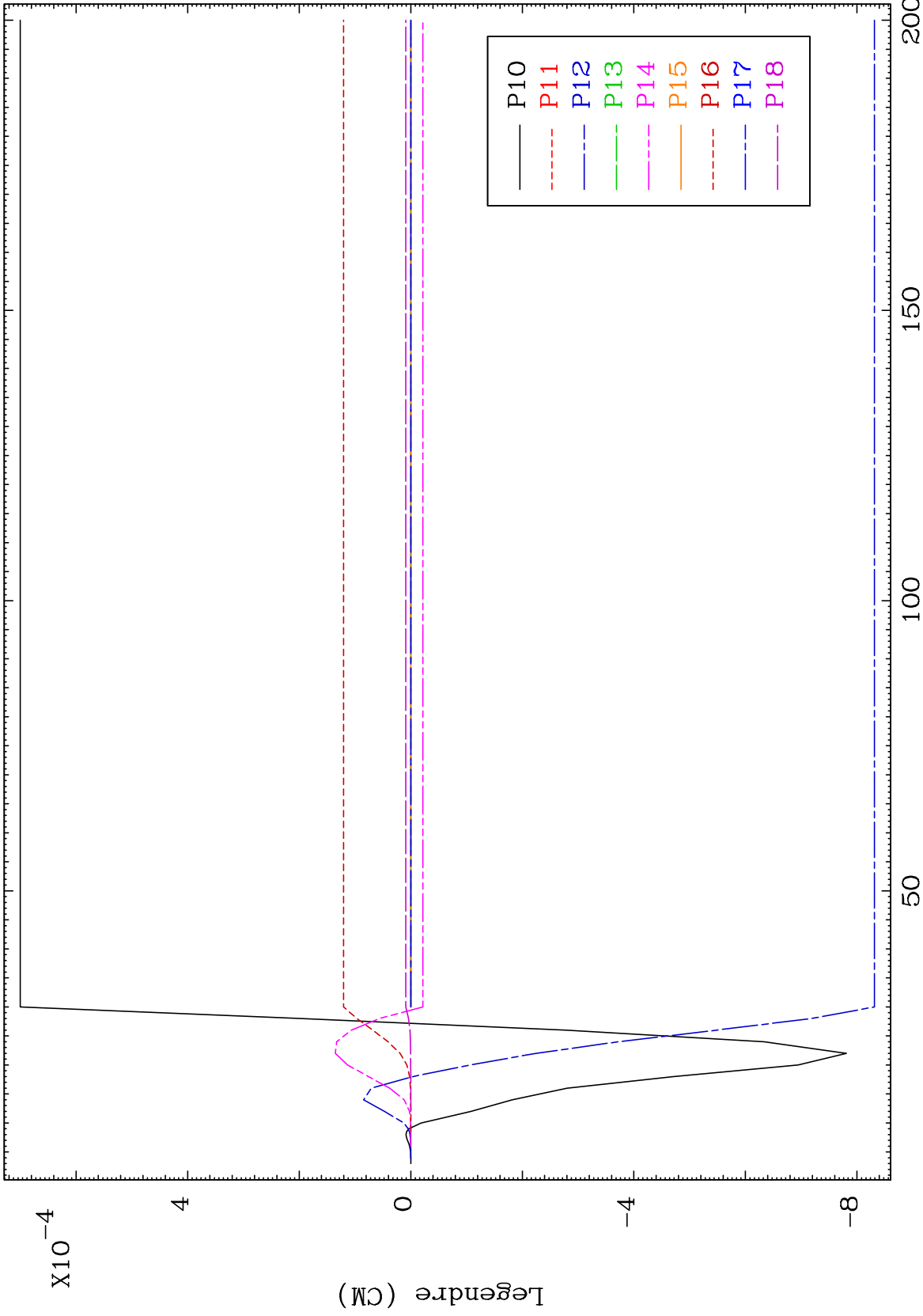
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

50-Sn-124



62

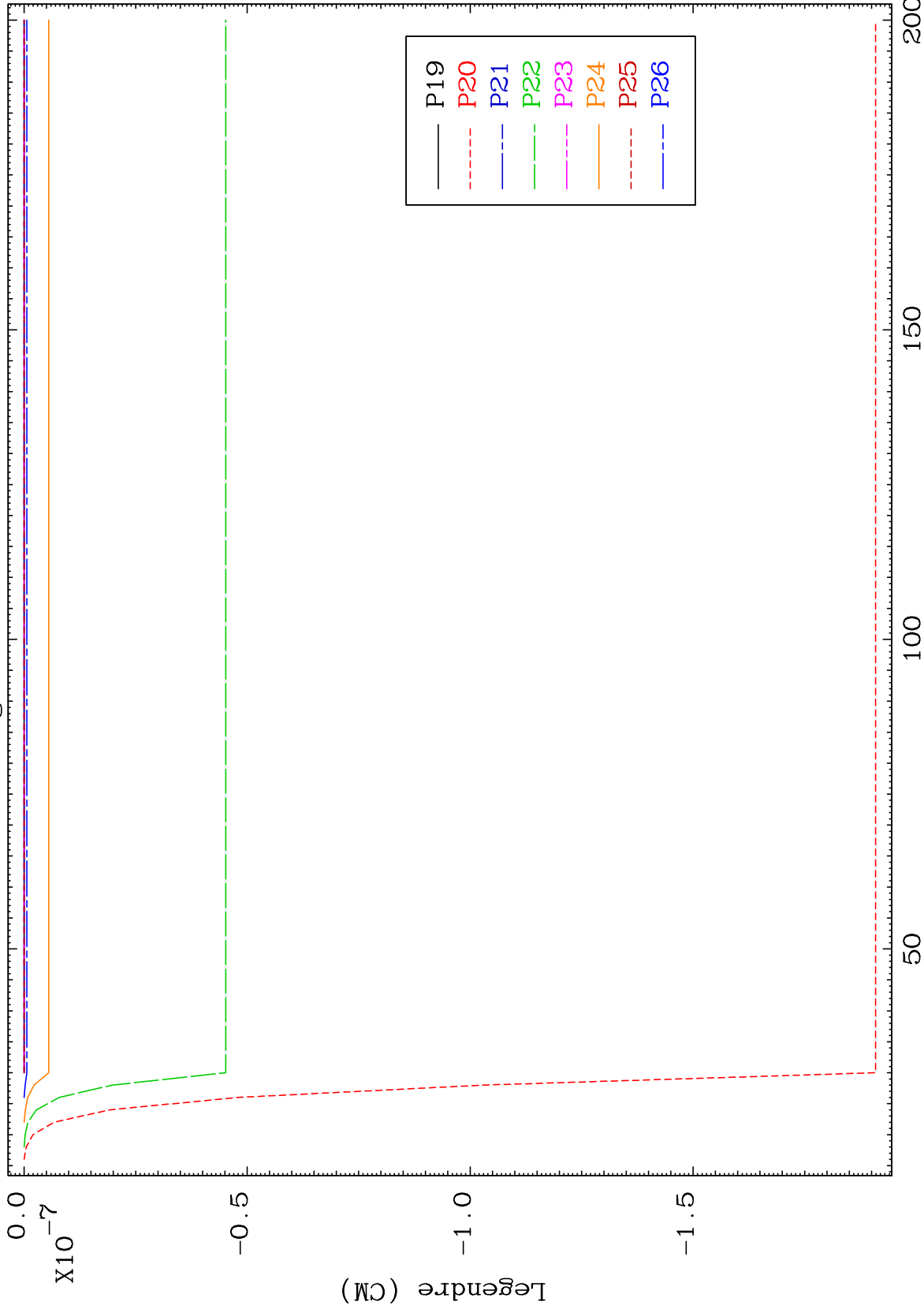
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

50-Sn-124



50-Sn-124

Incident Energy (MeV)

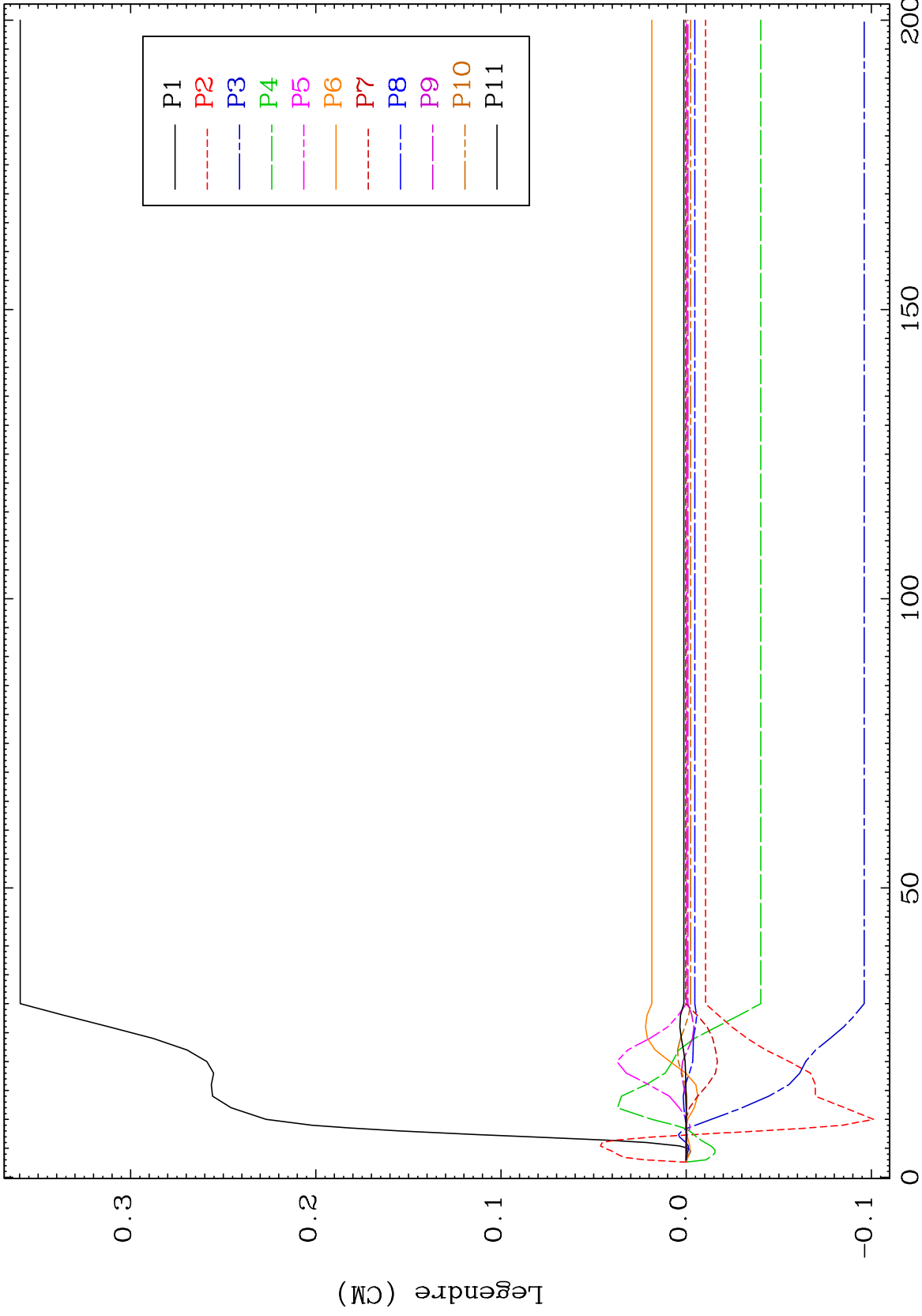
63



MAT 5061

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

50-Sn-124



64

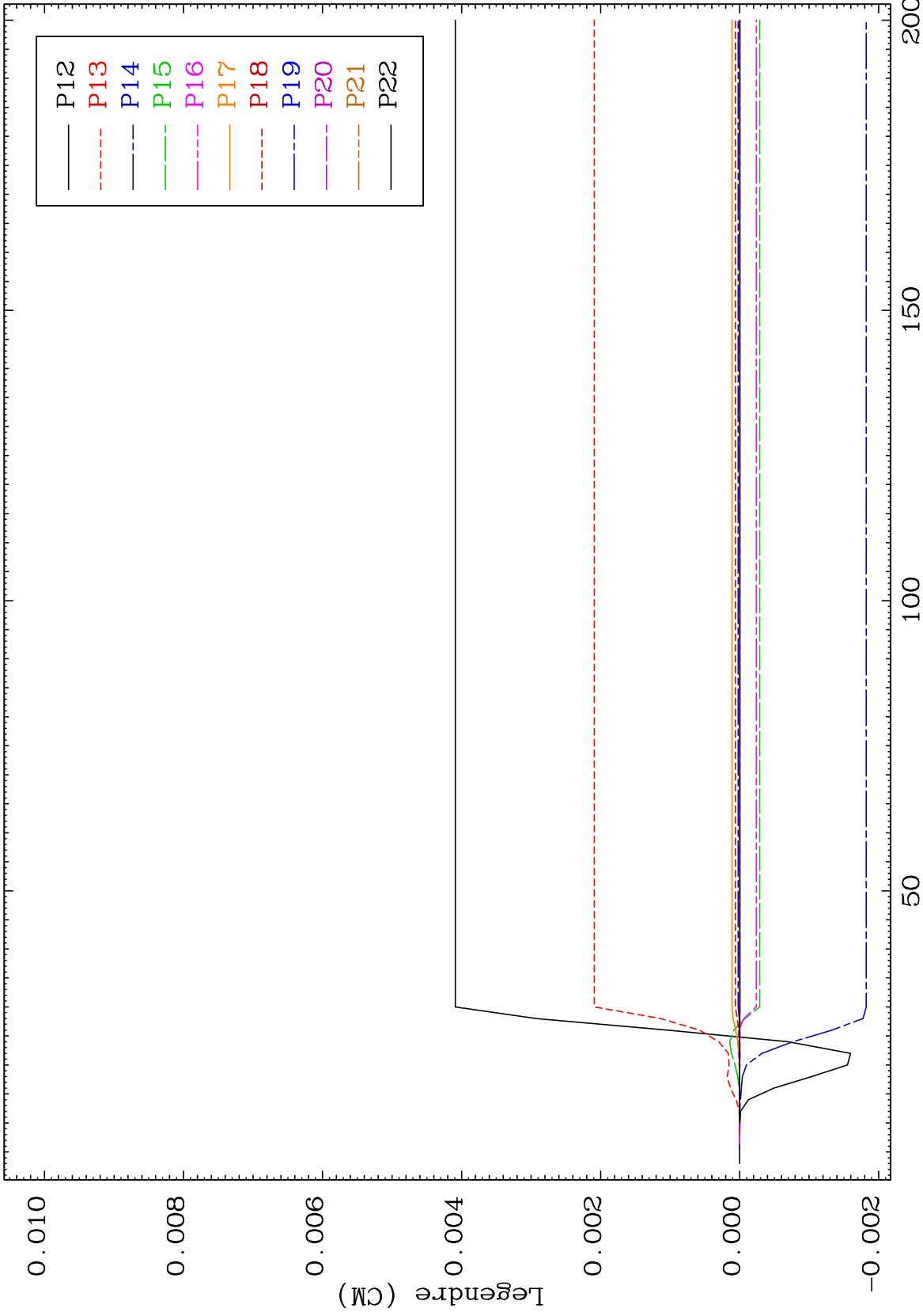
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

50-Sn-124

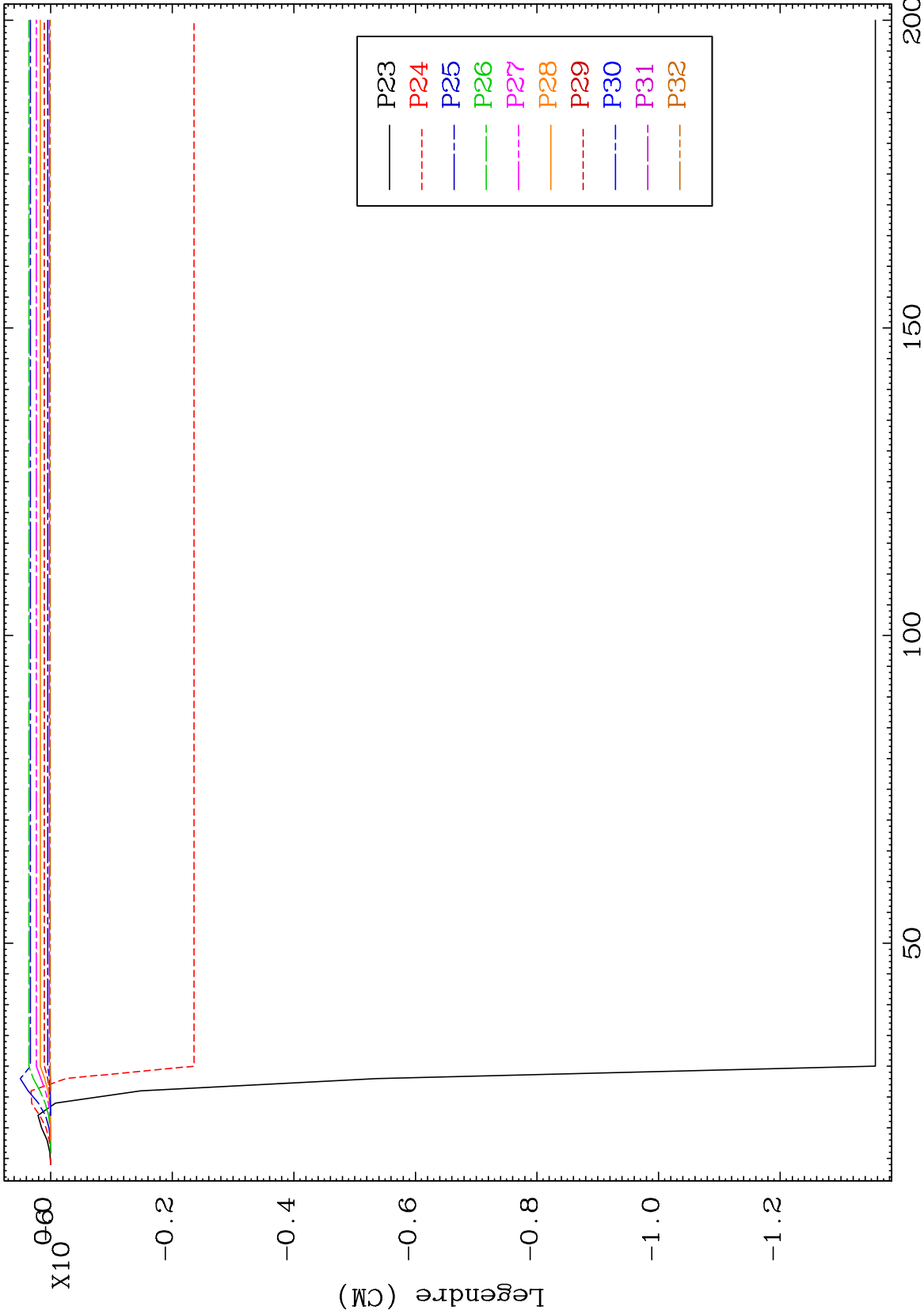


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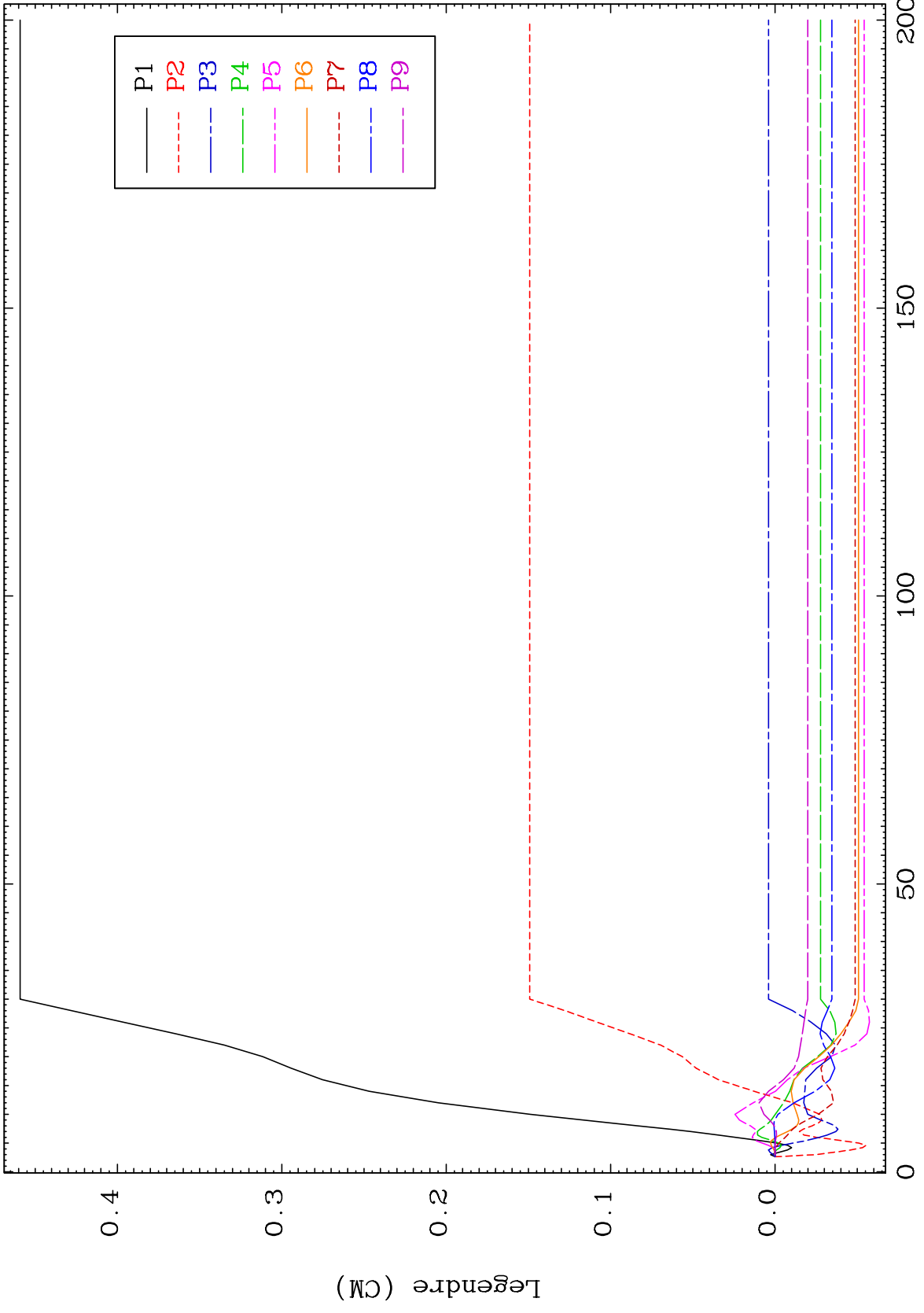
Incident Energy (MeV)

50-Sn-124

MAT 5061 MT= 63 (n,n') Level Legendre Coefficients 50-Sn-124



MAT 5061 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-124



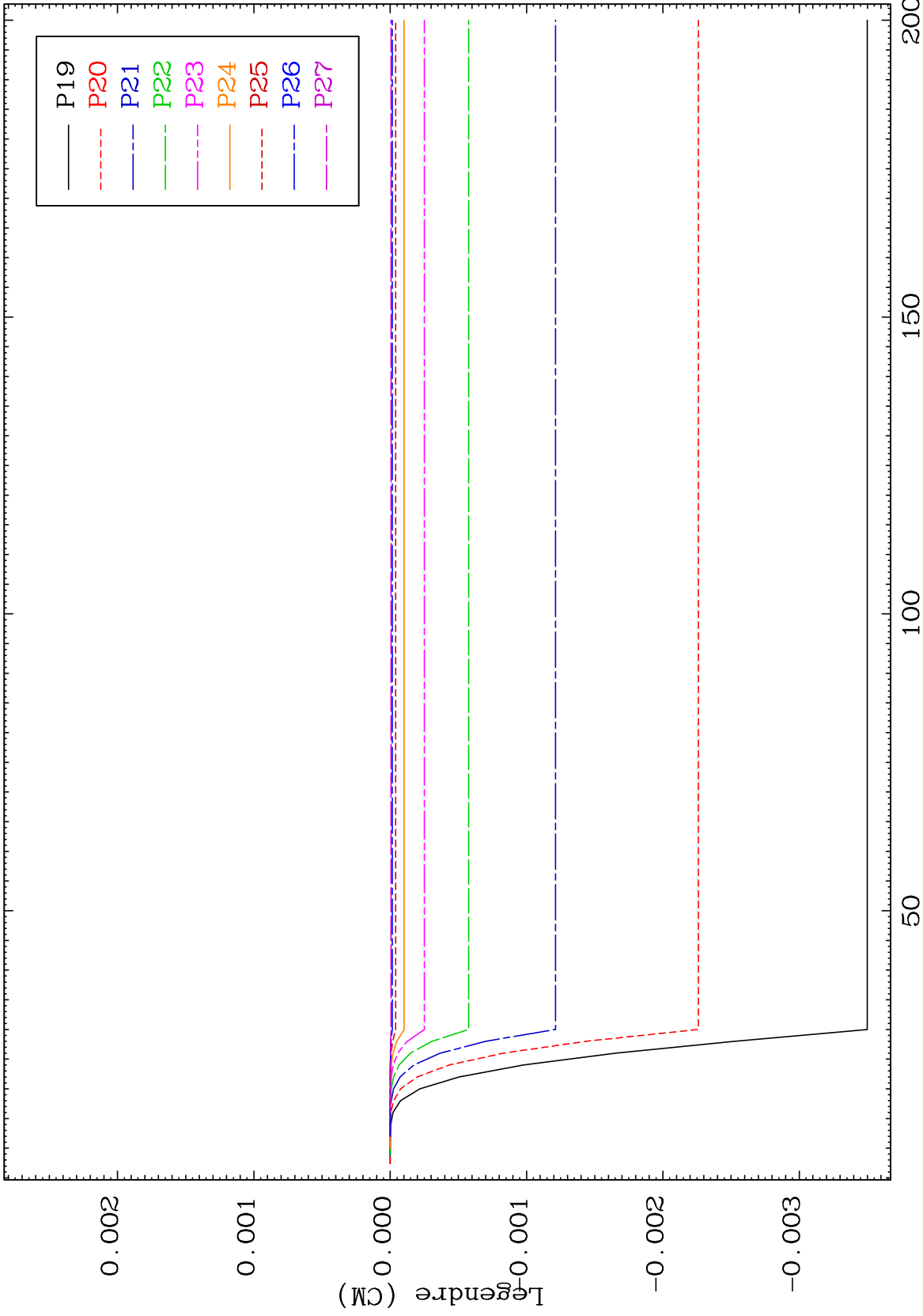
67 Incident Energy (MeV) 50-Sn-124



MAT 5061

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

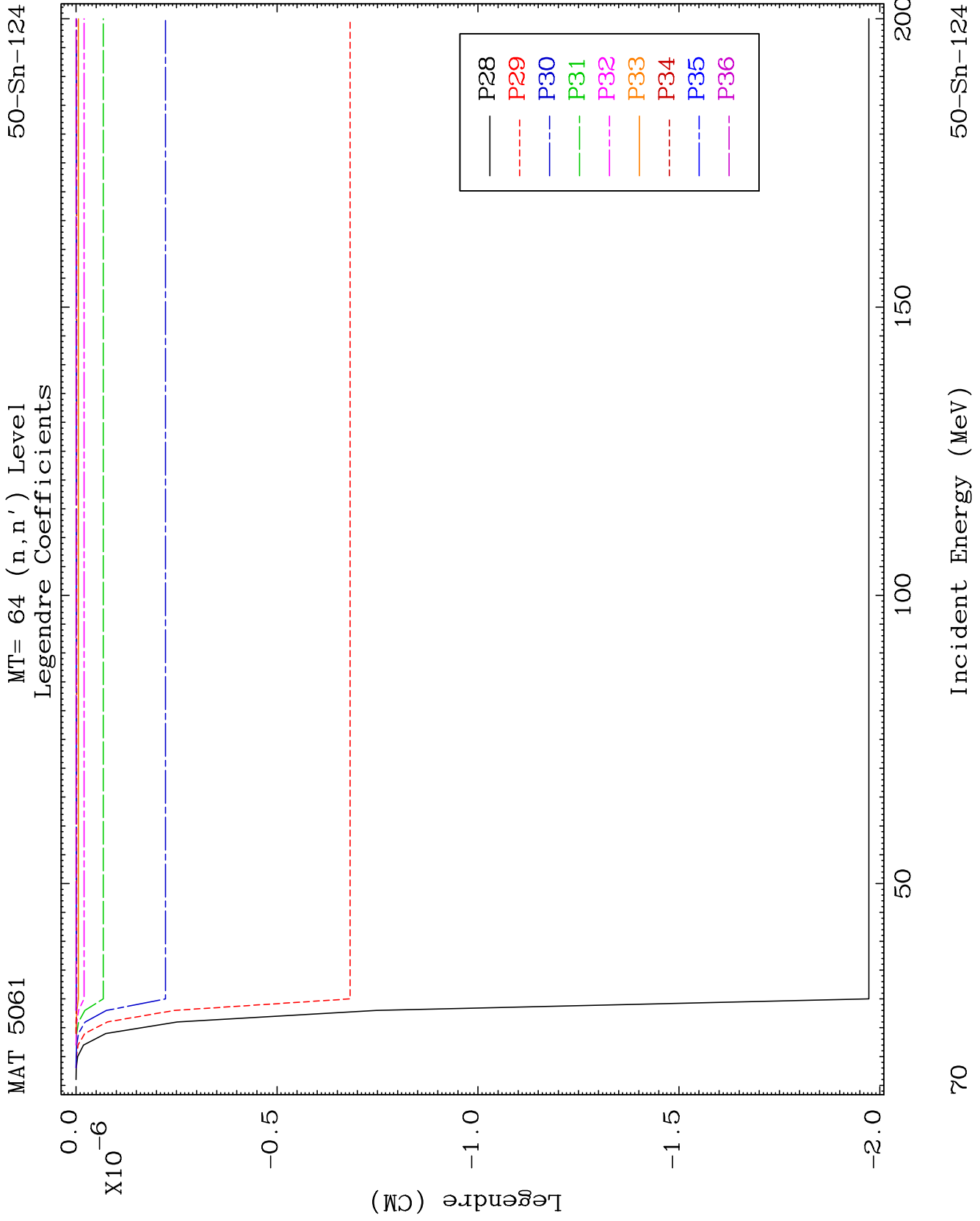
50-Sn-124

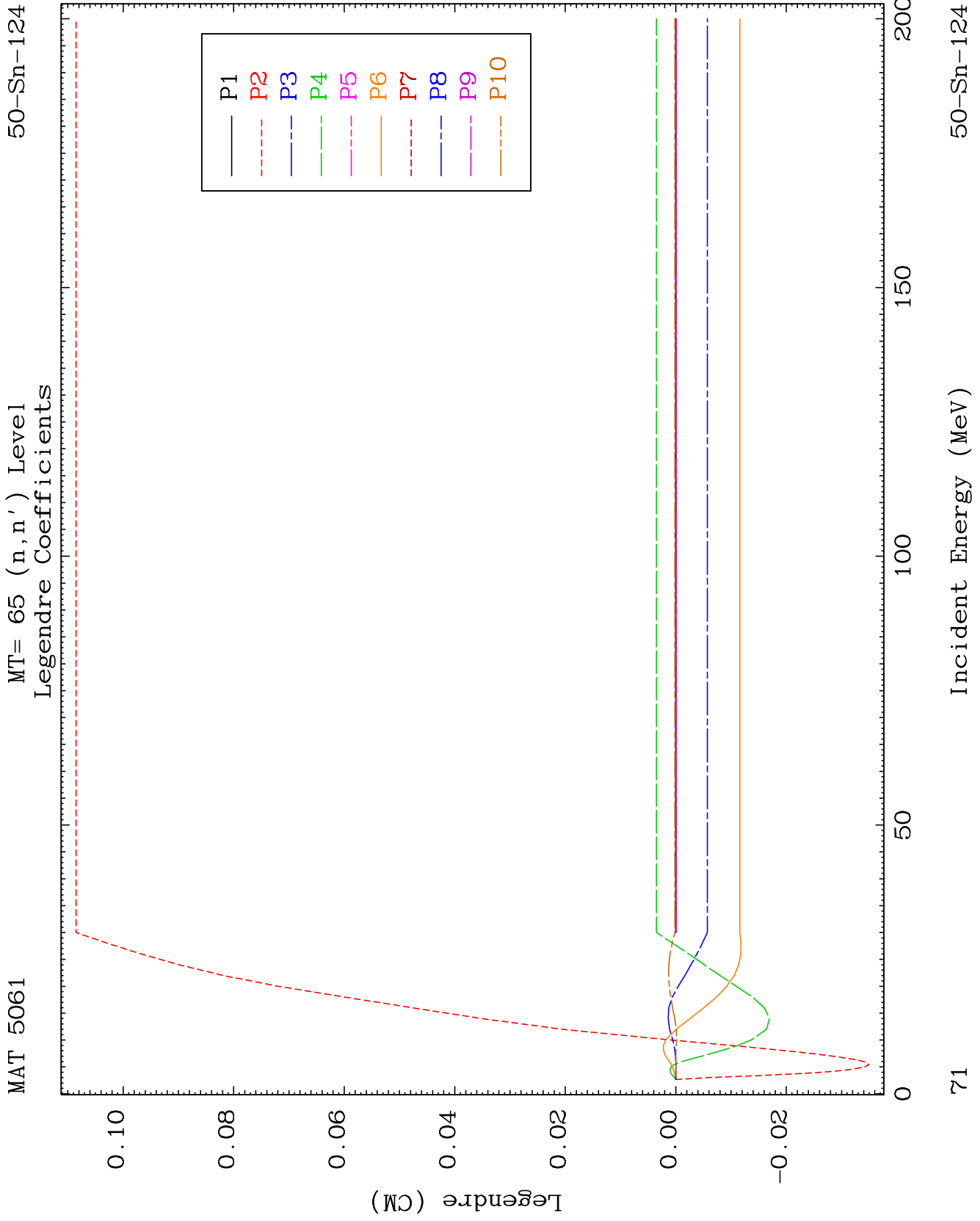


69

Incident Energy (MeV)

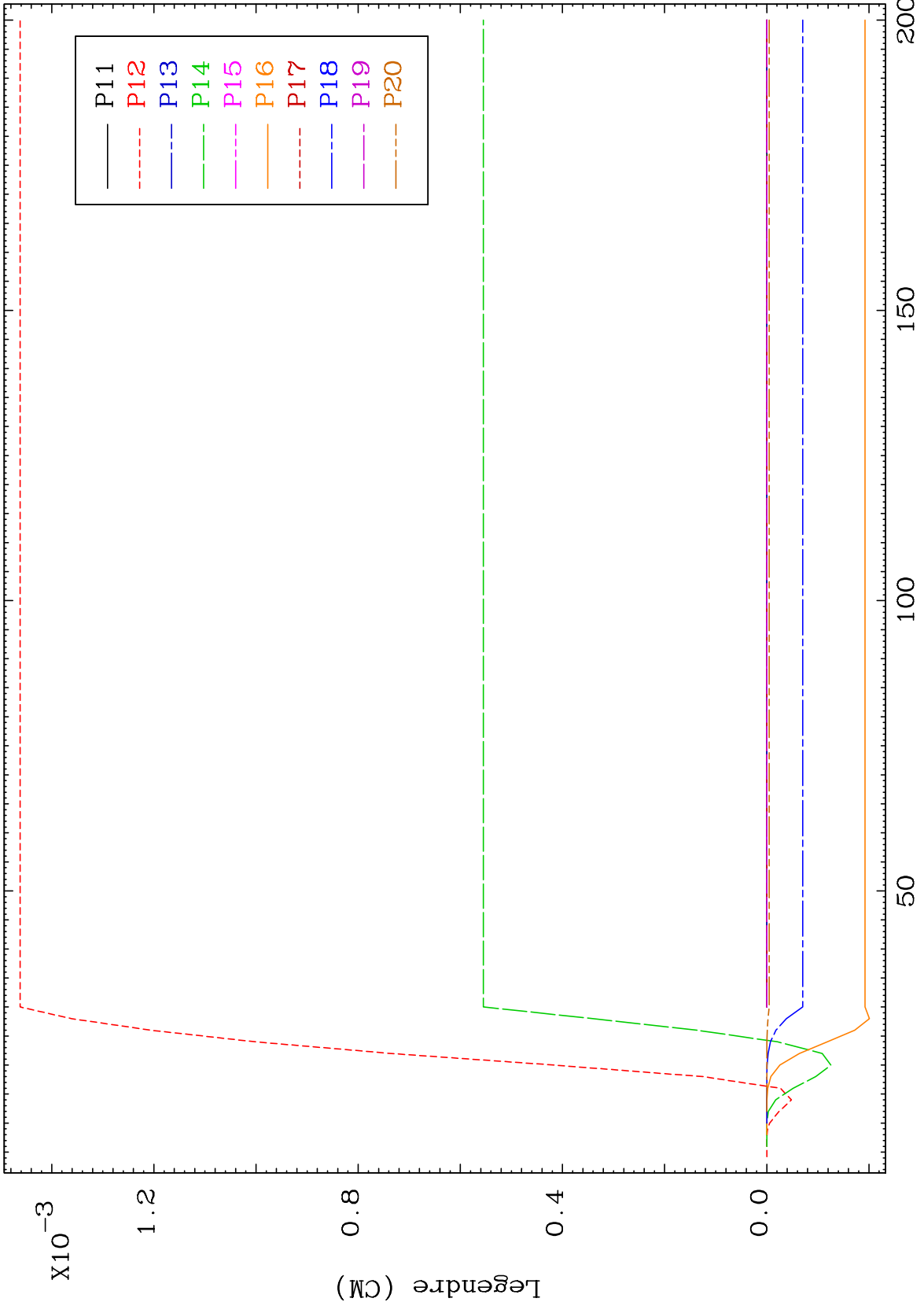
50-Sn-124



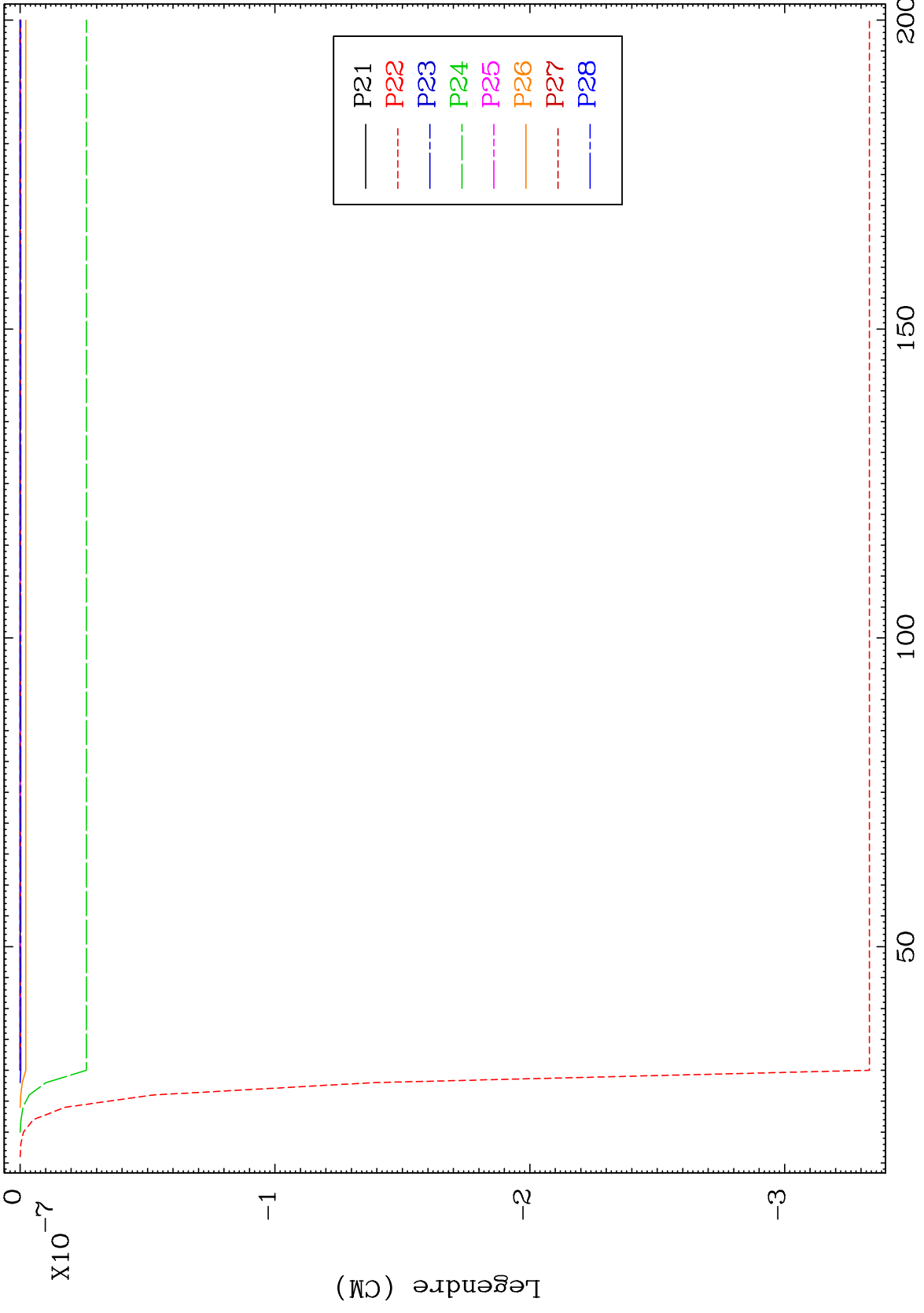




MAT 5061 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-124



MAT 5061 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-124

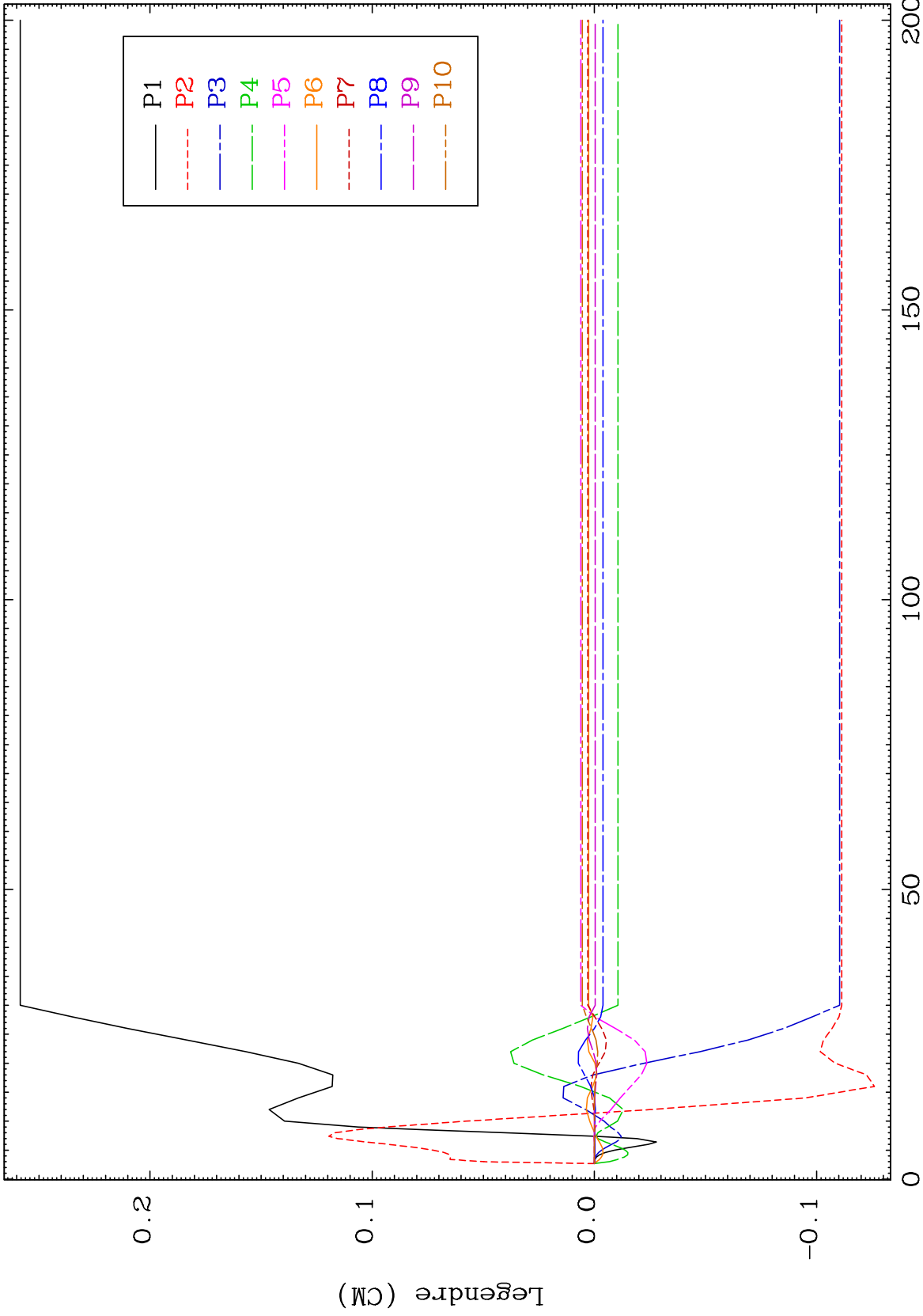


73 Incident Energy (MeV) 50-Sn-124

MAT 5061

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

50-Sn-124



74

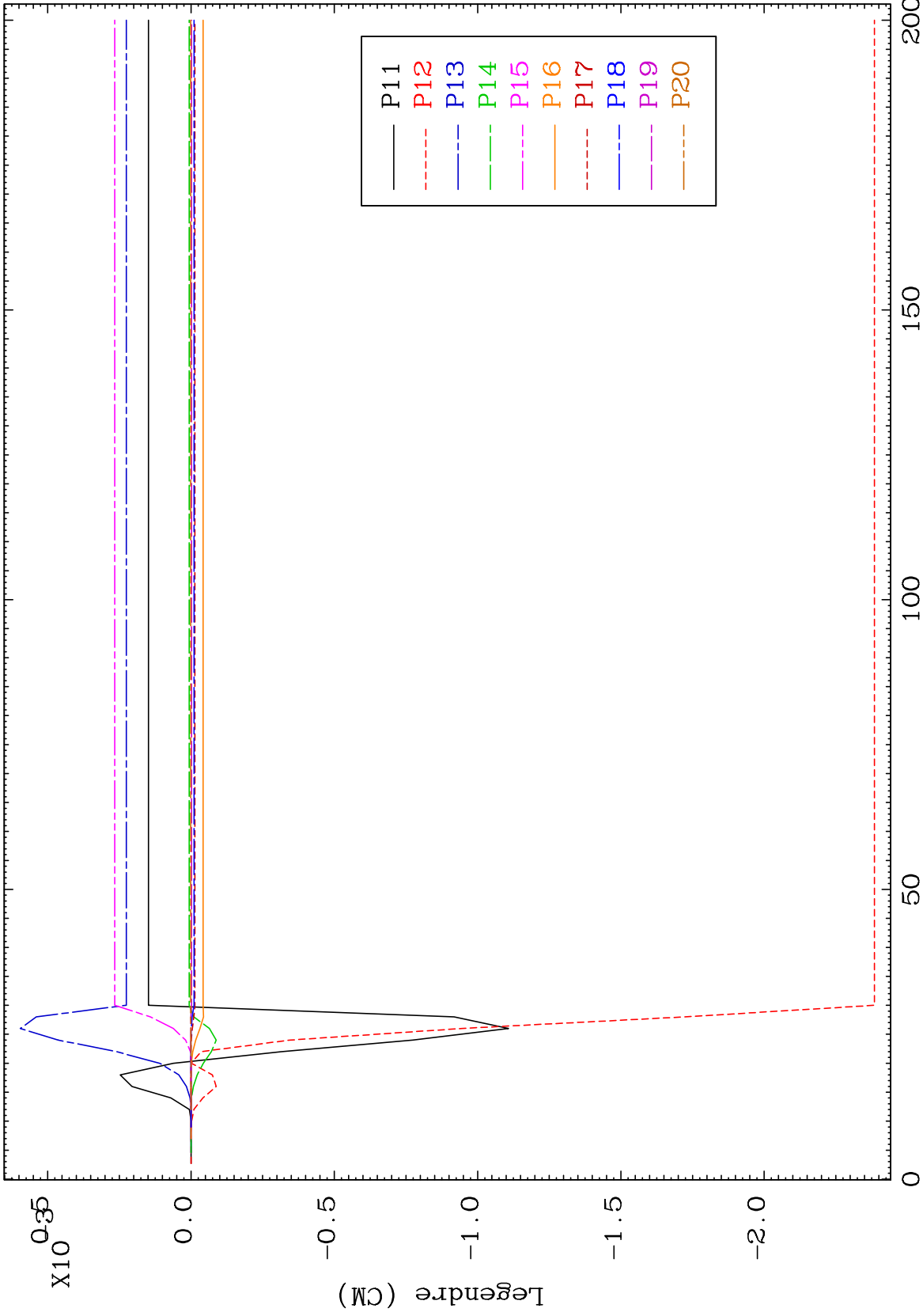
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

50-Sn-124



75

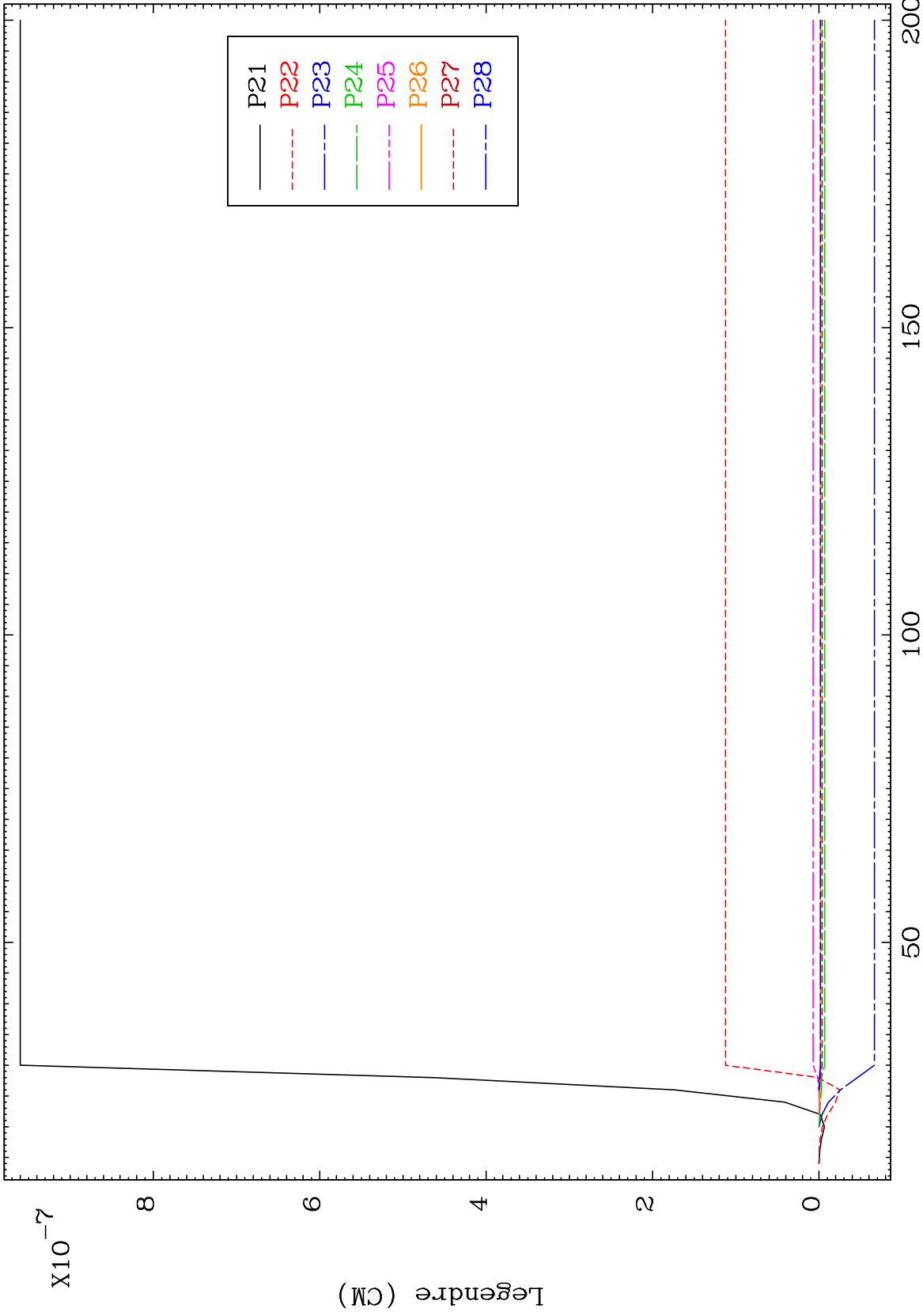
Incident Energy (MeV)

50-Sn-124

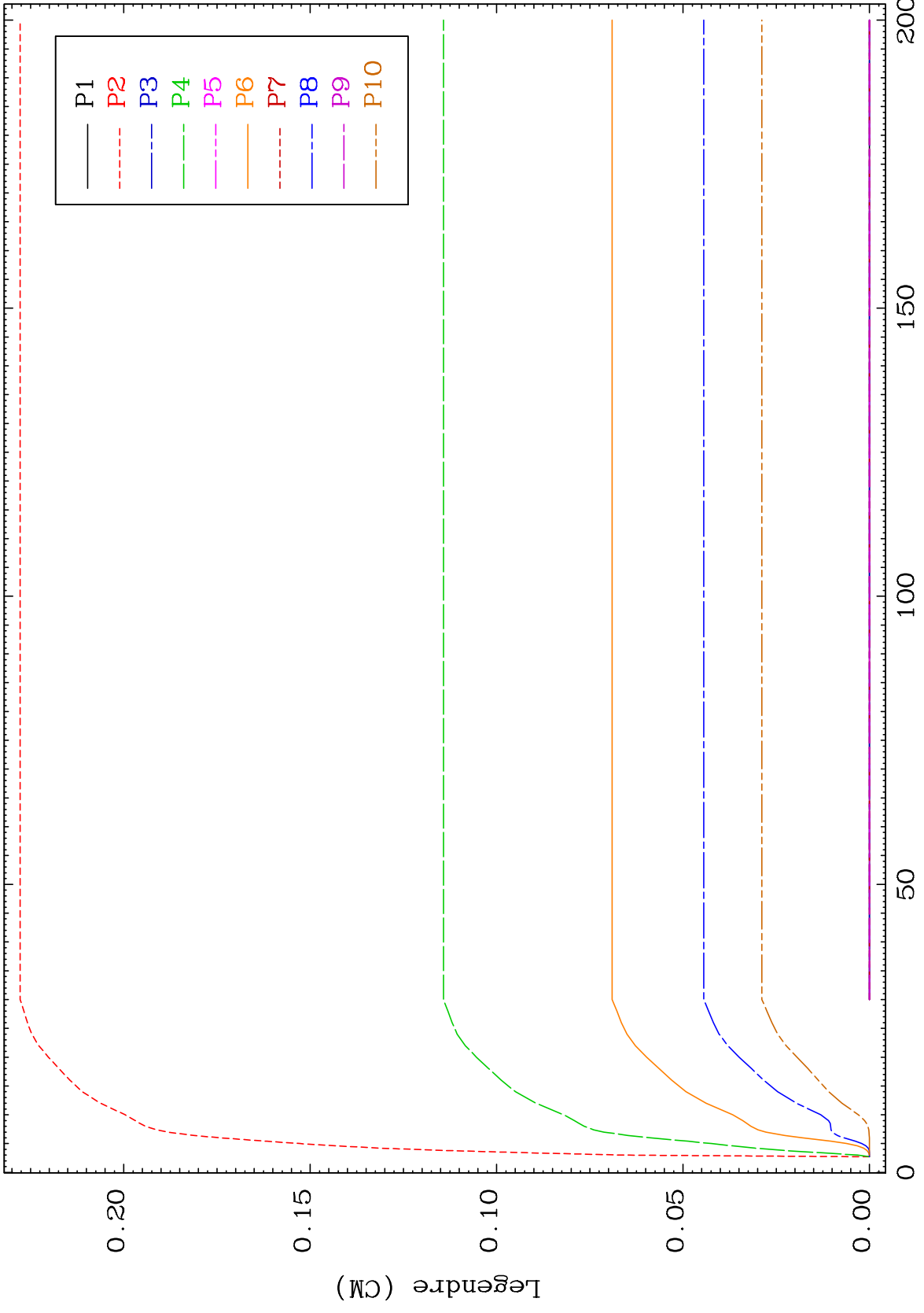
MAT 5061

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

50-Sn-124

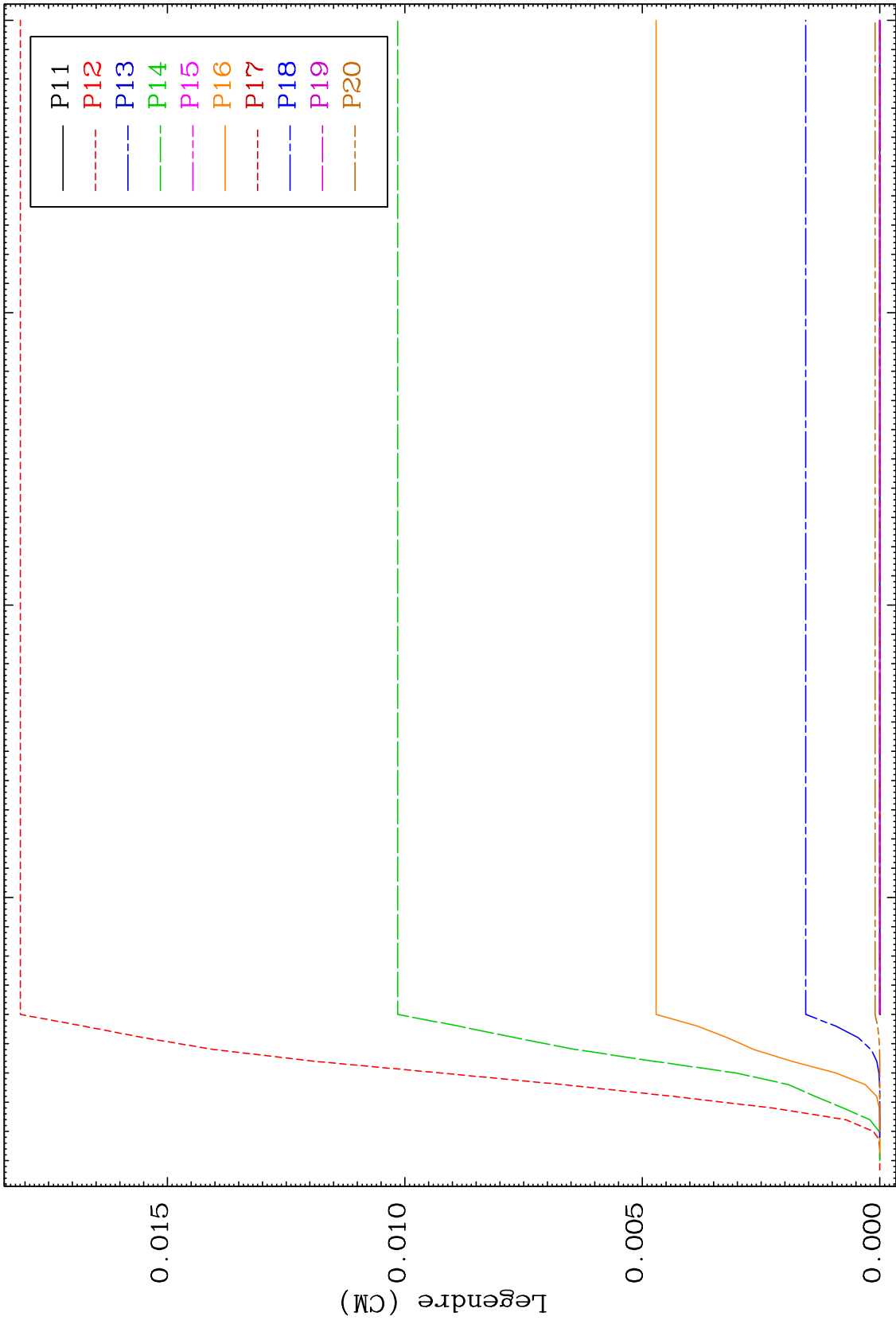


MAT 5061 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-124



77 50-Sn-124

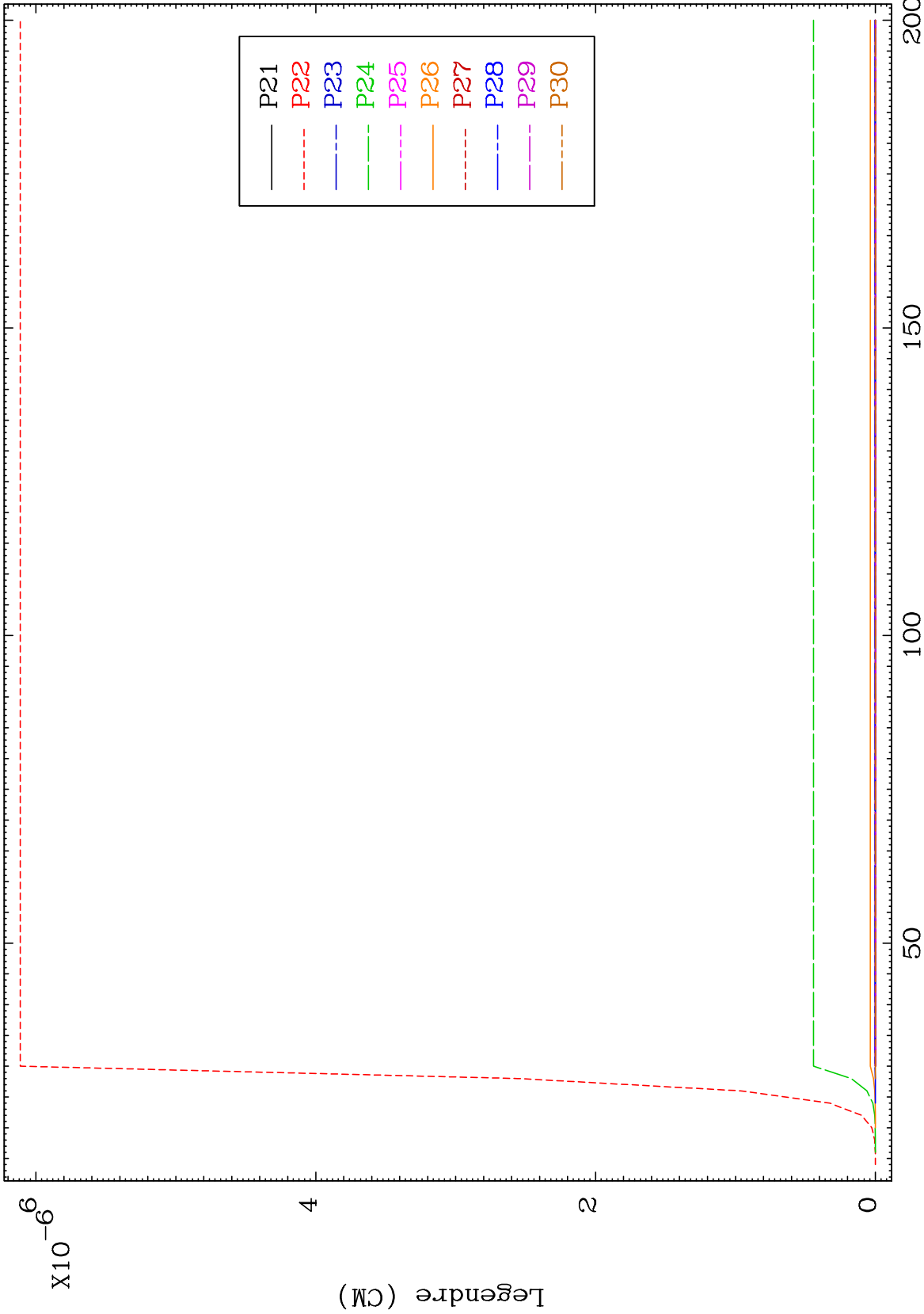
MAT 5061 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-124



78 Incident Energy (MeV) 50-Sn-124

MAT 5061 MT= 67 (n,n') Level Legendre Coefficients

50-Sn-124



79

Incident Energy (MeV)

50-Sn-124

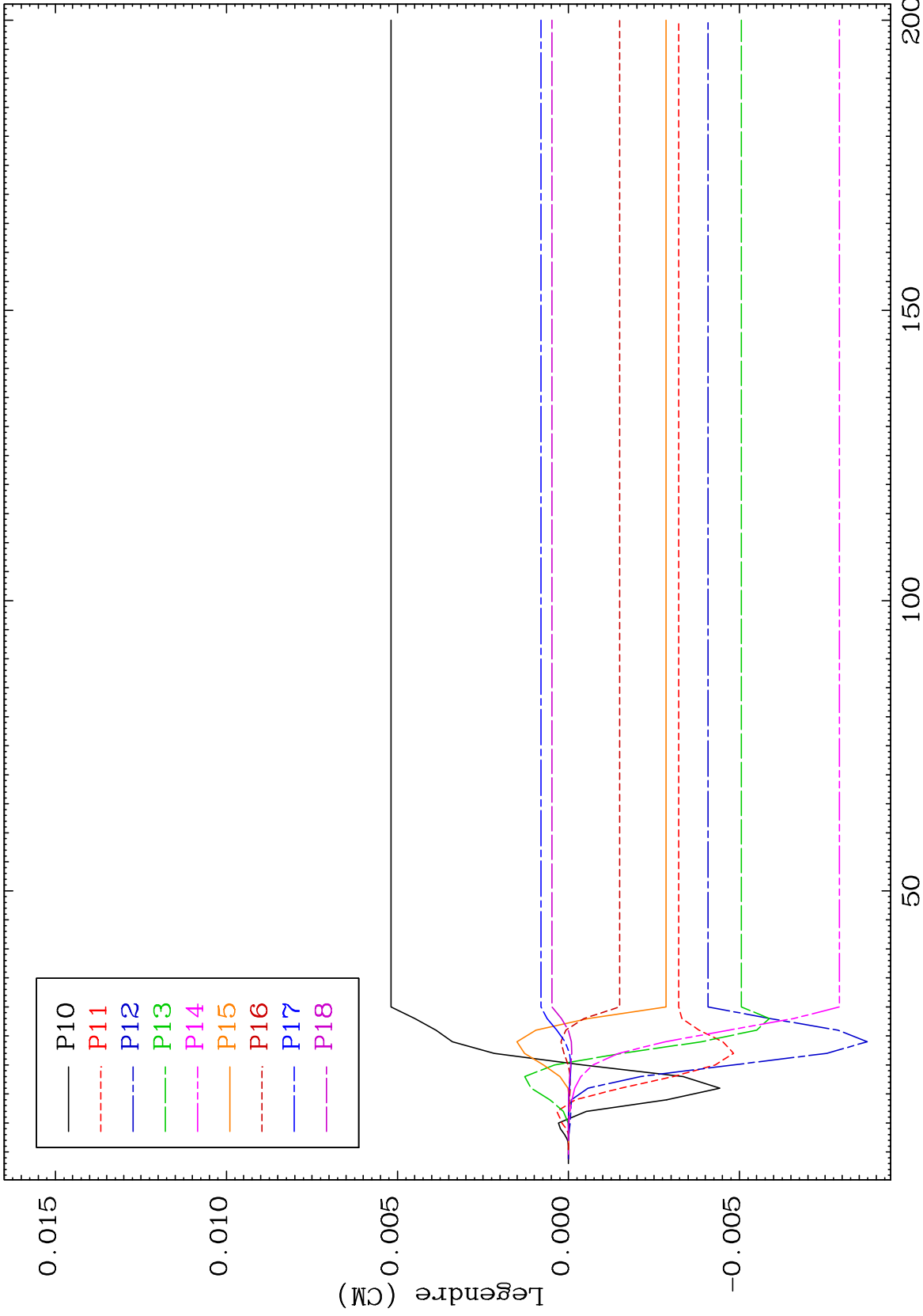




MAT 5061

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

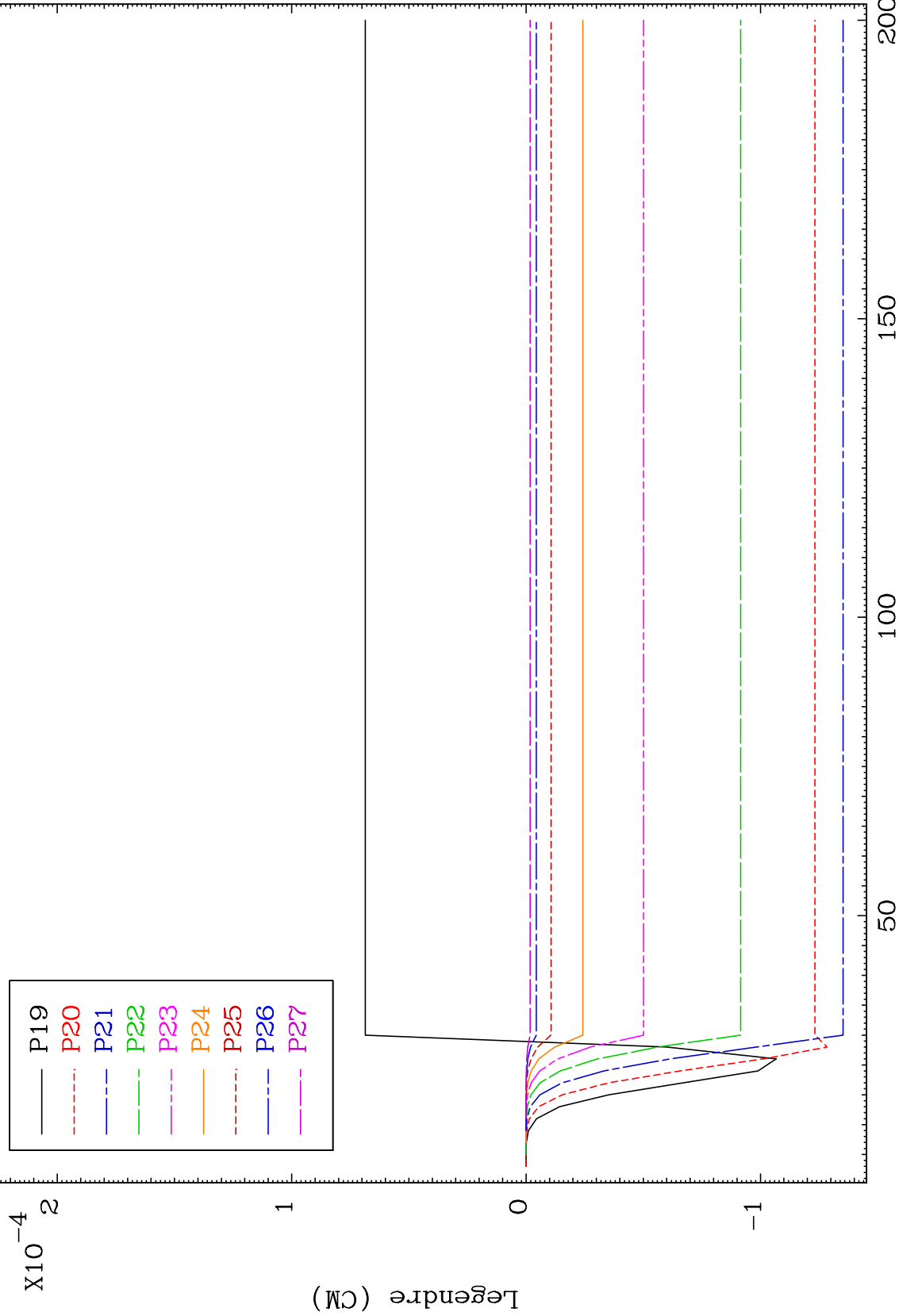
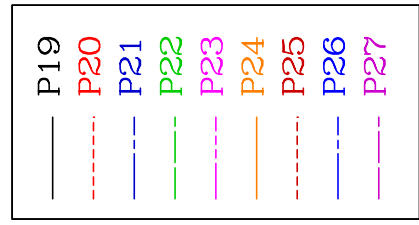
50-Sn-124



MAT 5061

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

50-Sn-124



82

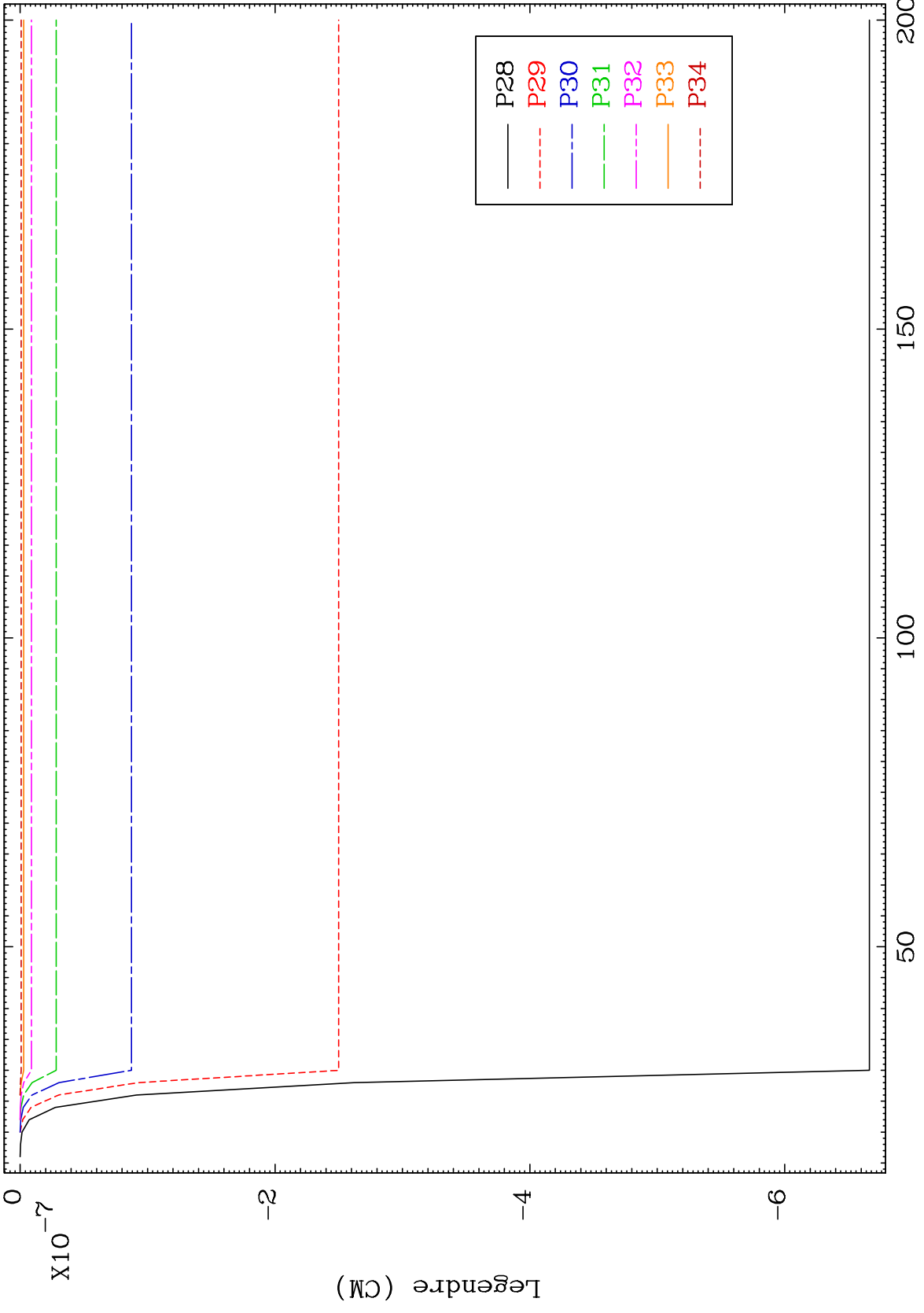
Incident Energy (MeV)

50-Sn-124

MAT 5061 MT= 68 (n,n') Level

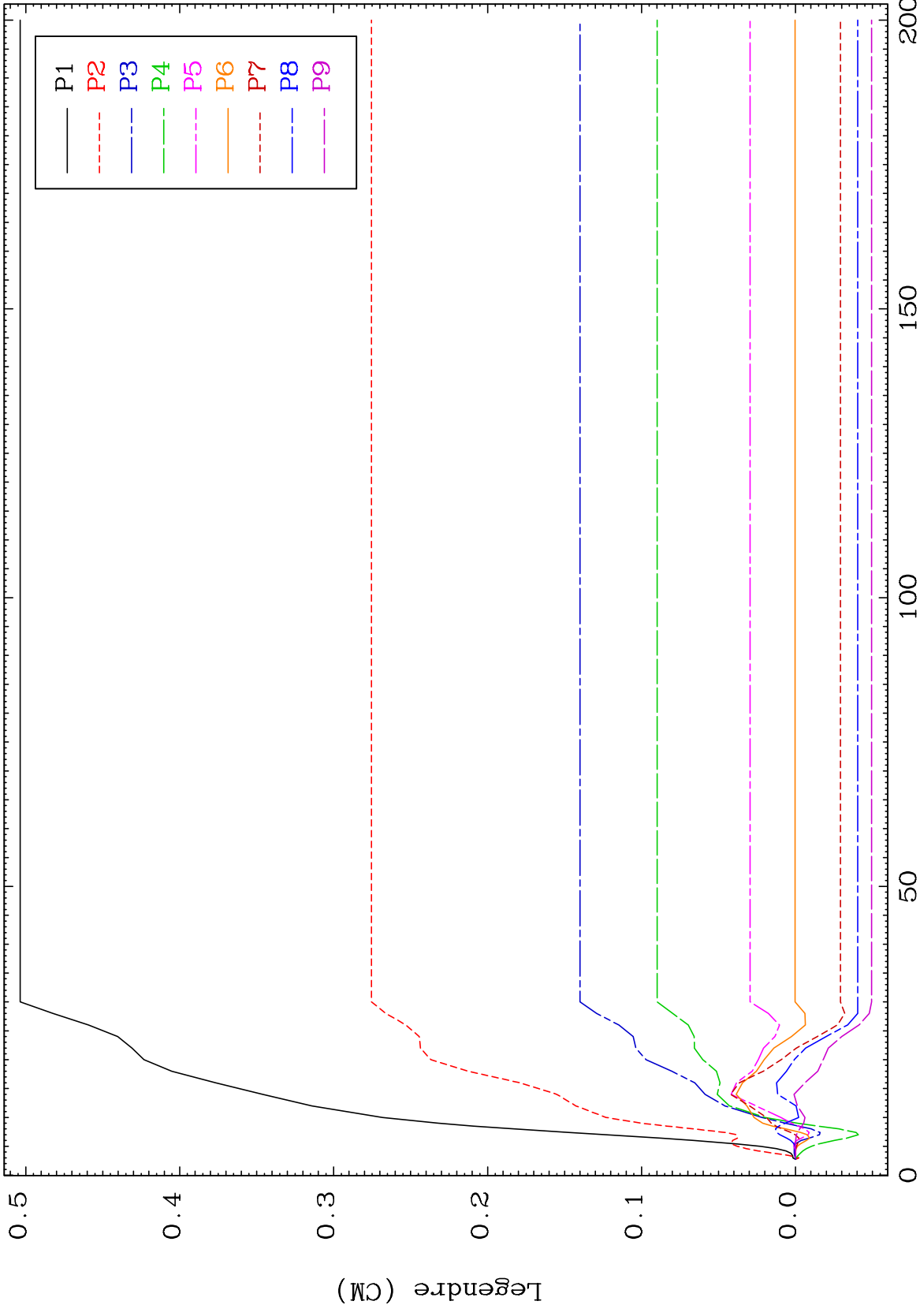
Legendre Coefficients

50-Sn-124



83 Incident Energy (MeV) 50-Sn-124

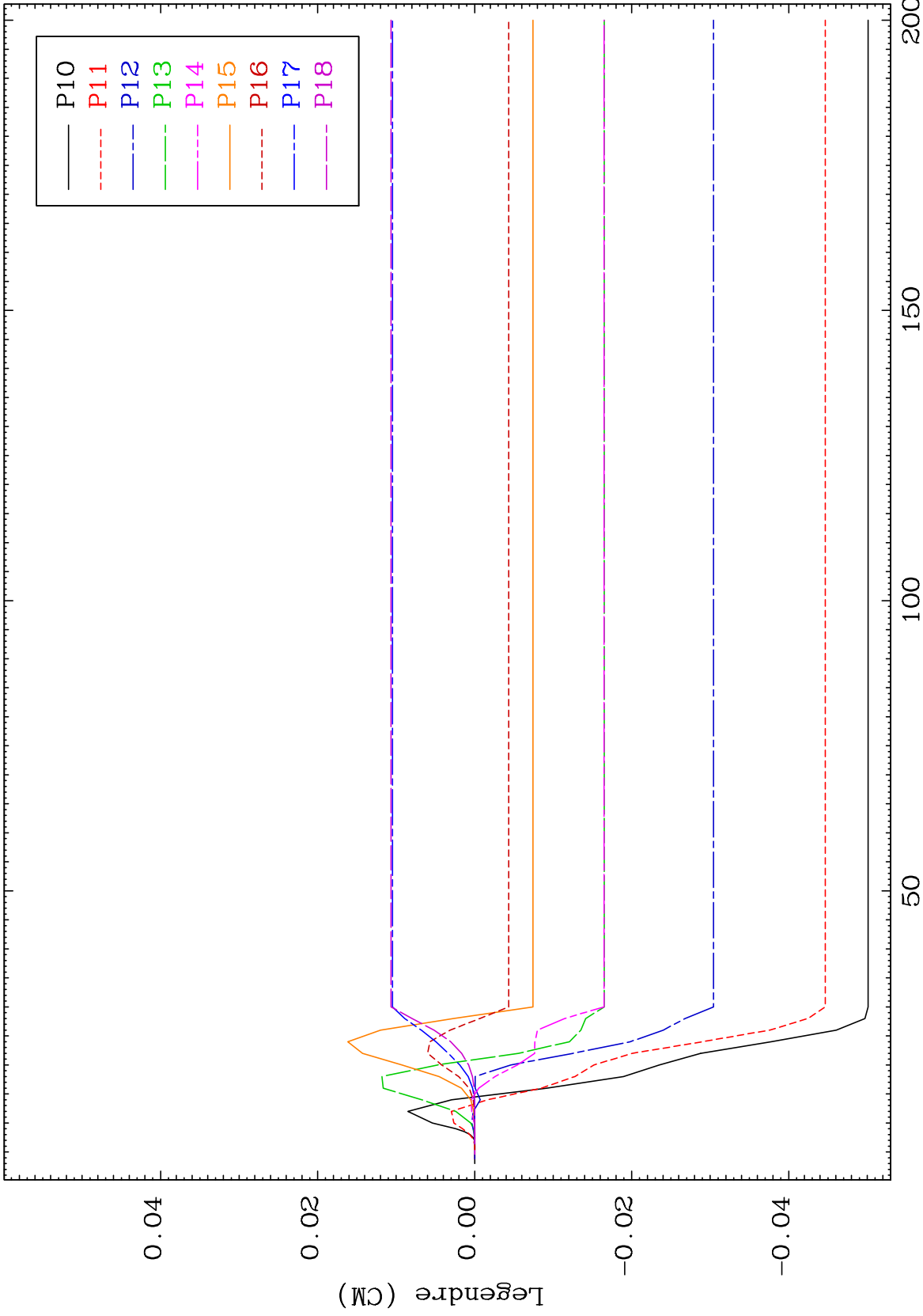
MAT 5061 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-124



MAT 5061

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

50-Sn-124



85

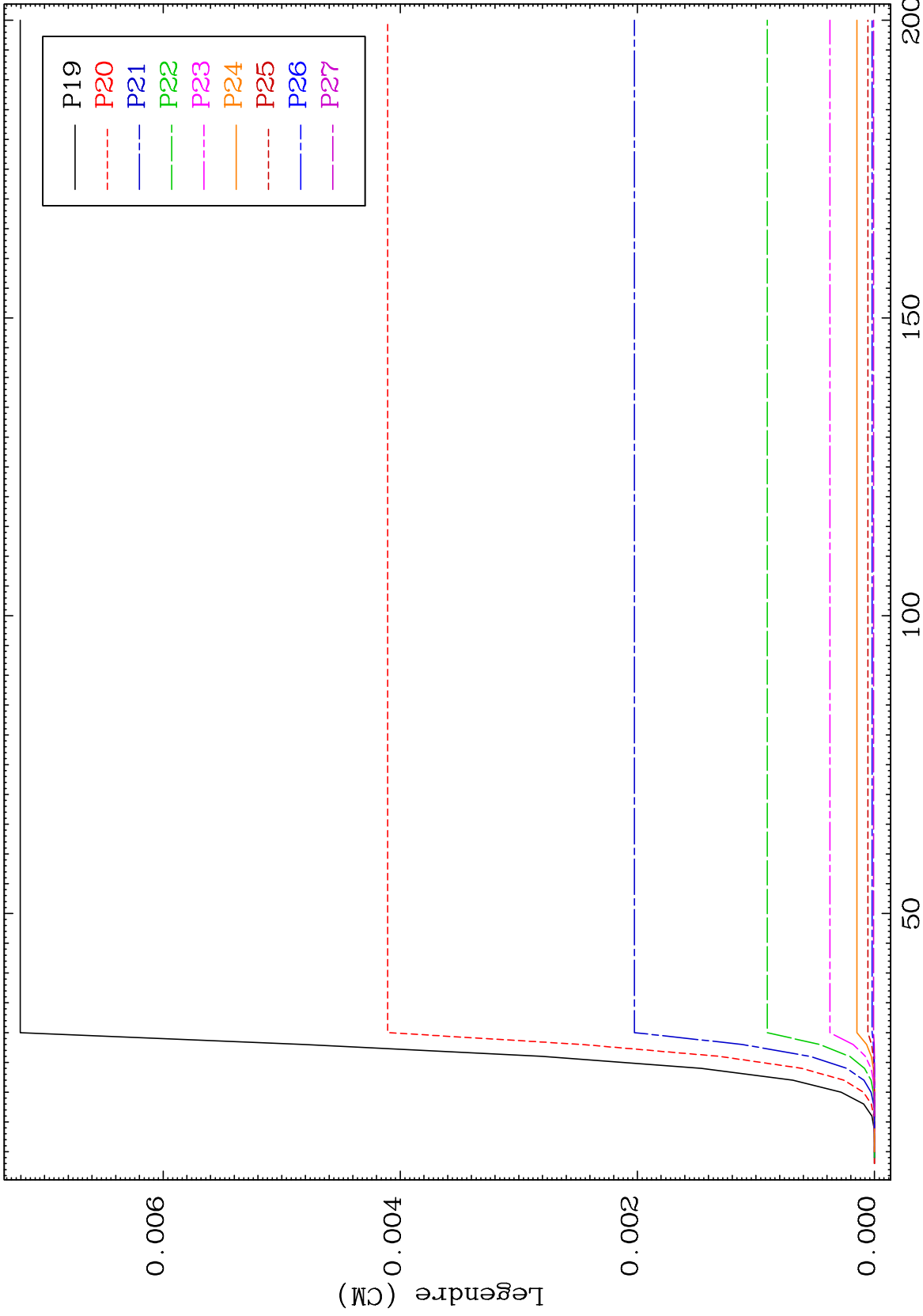
Incident Energy (MeV)

50-Sn-124

MAT 5061

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

50-Sn-124

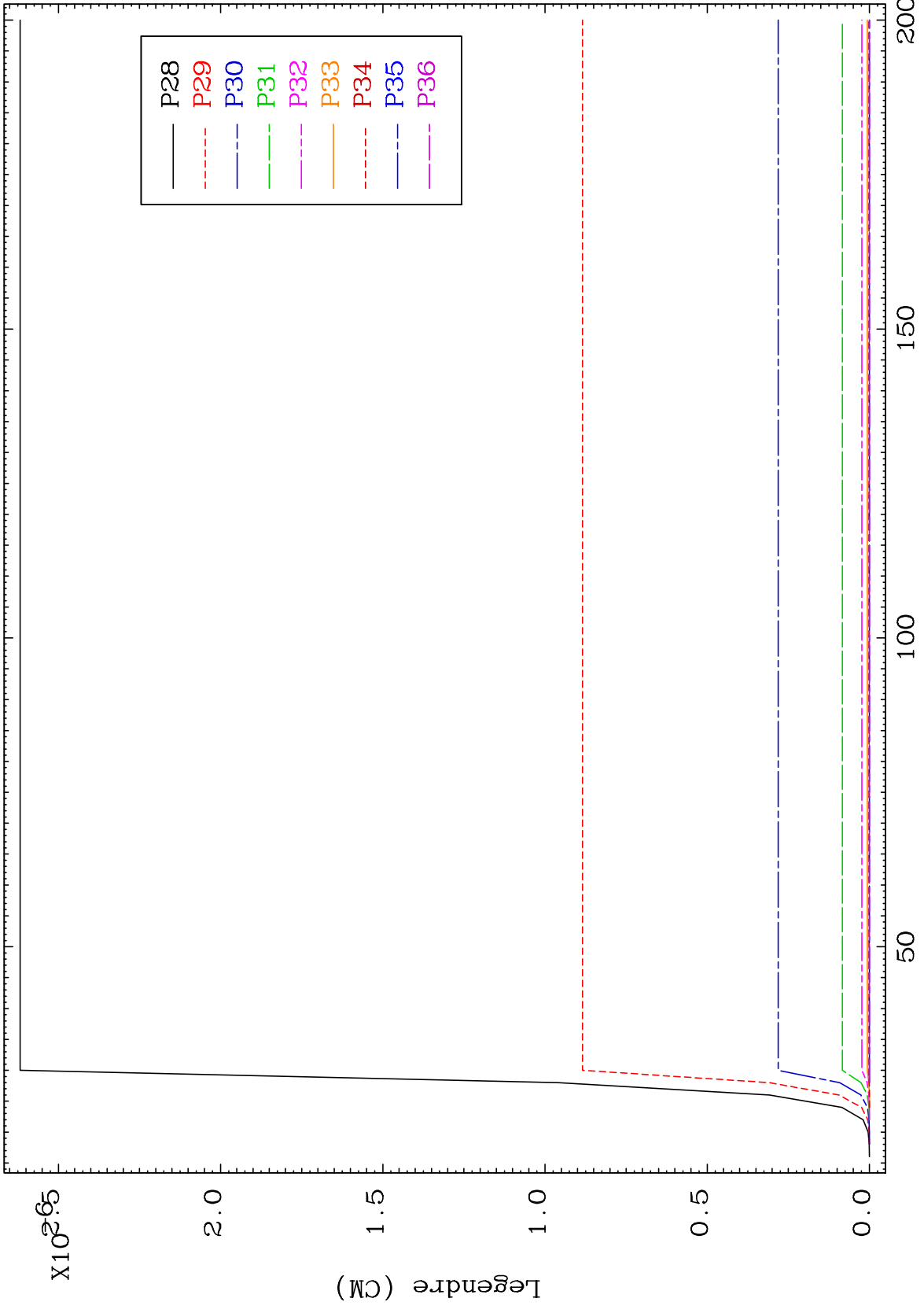


86

Incident Energy (MeV)

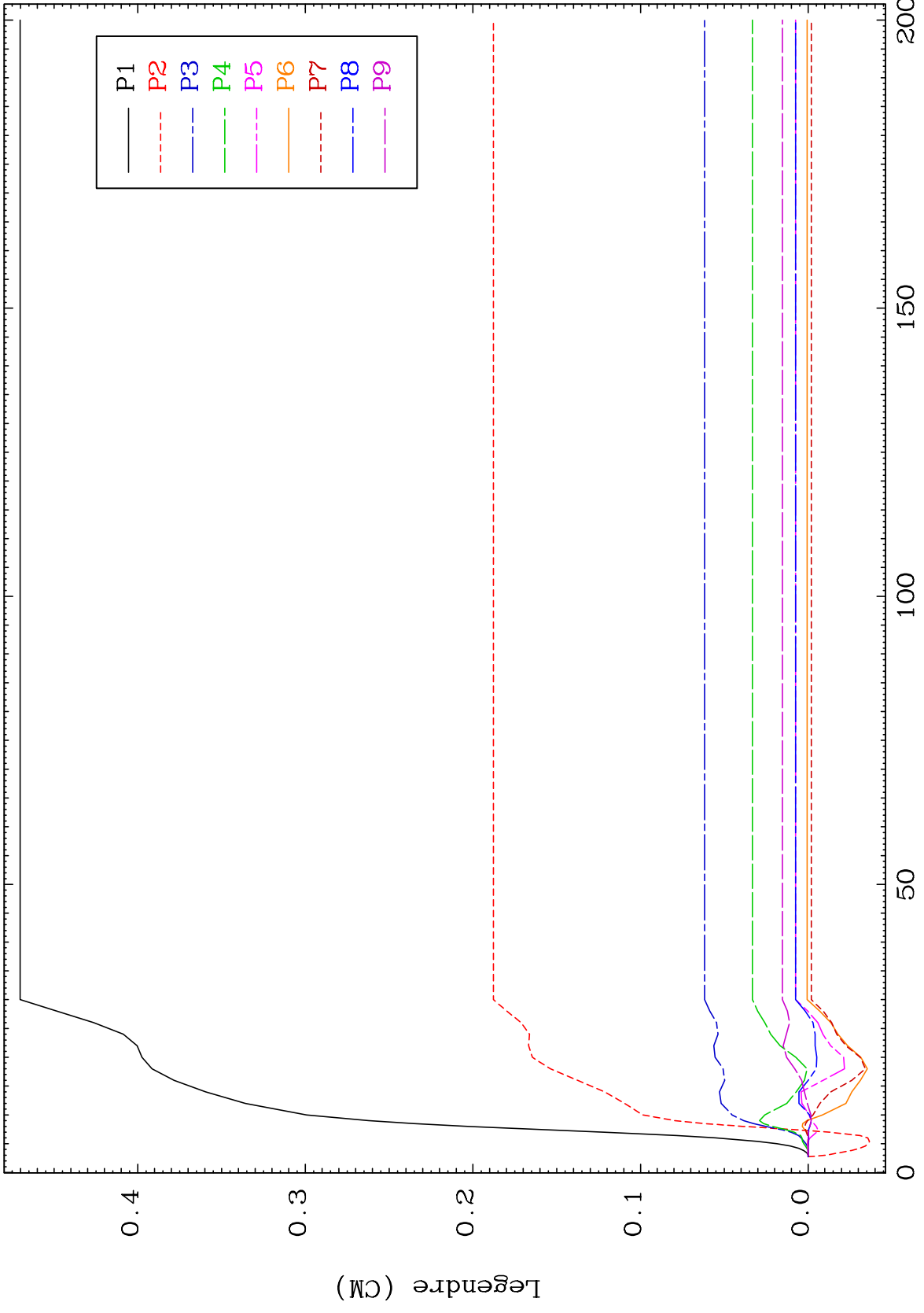
50-Sn-124

MAT 5061 MT= 69 (n,n') Level Legendre Coefficients 50-Sn-124



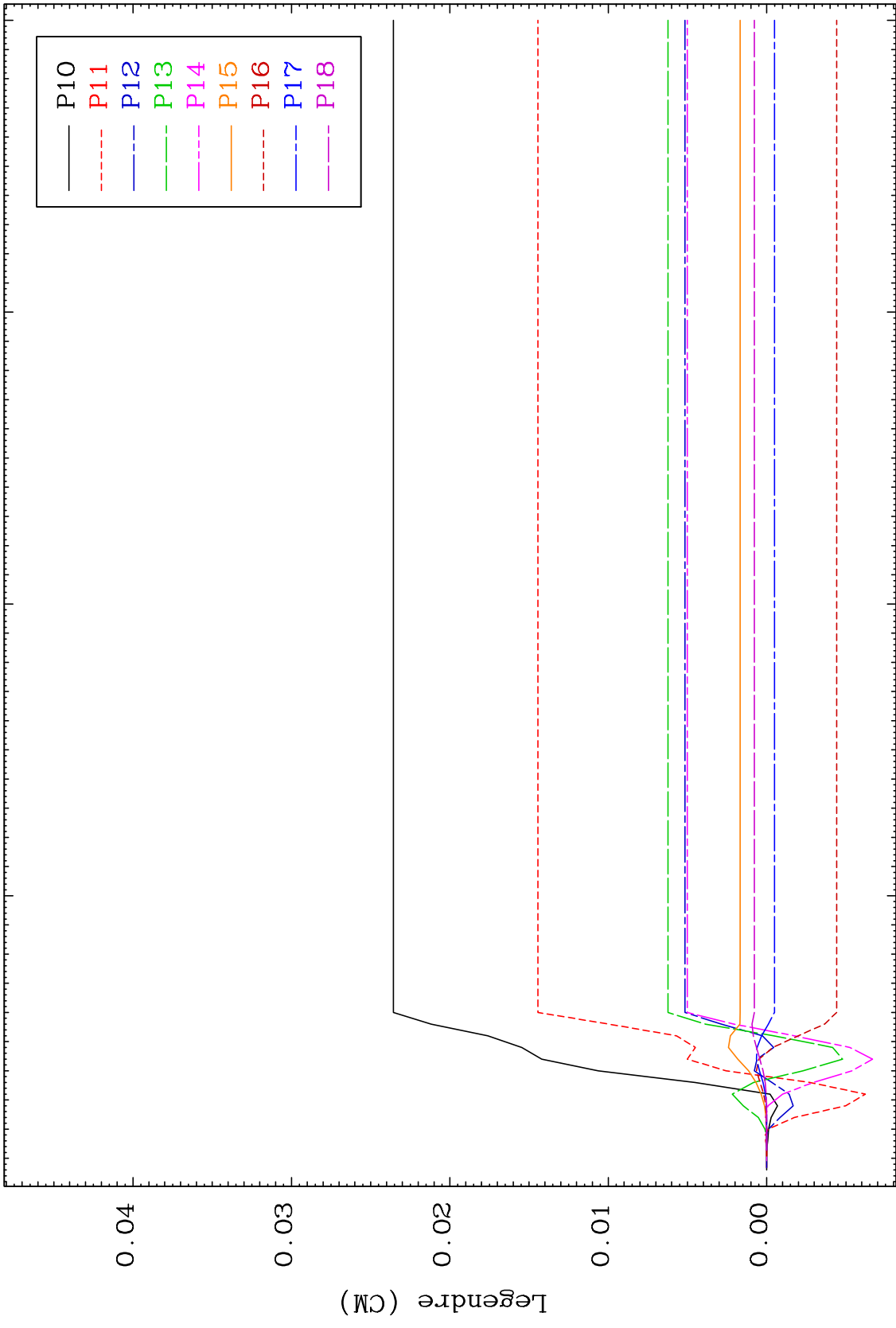


MAT 5061 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-124



88 Incident Energy (MeV) 50-Sn-124

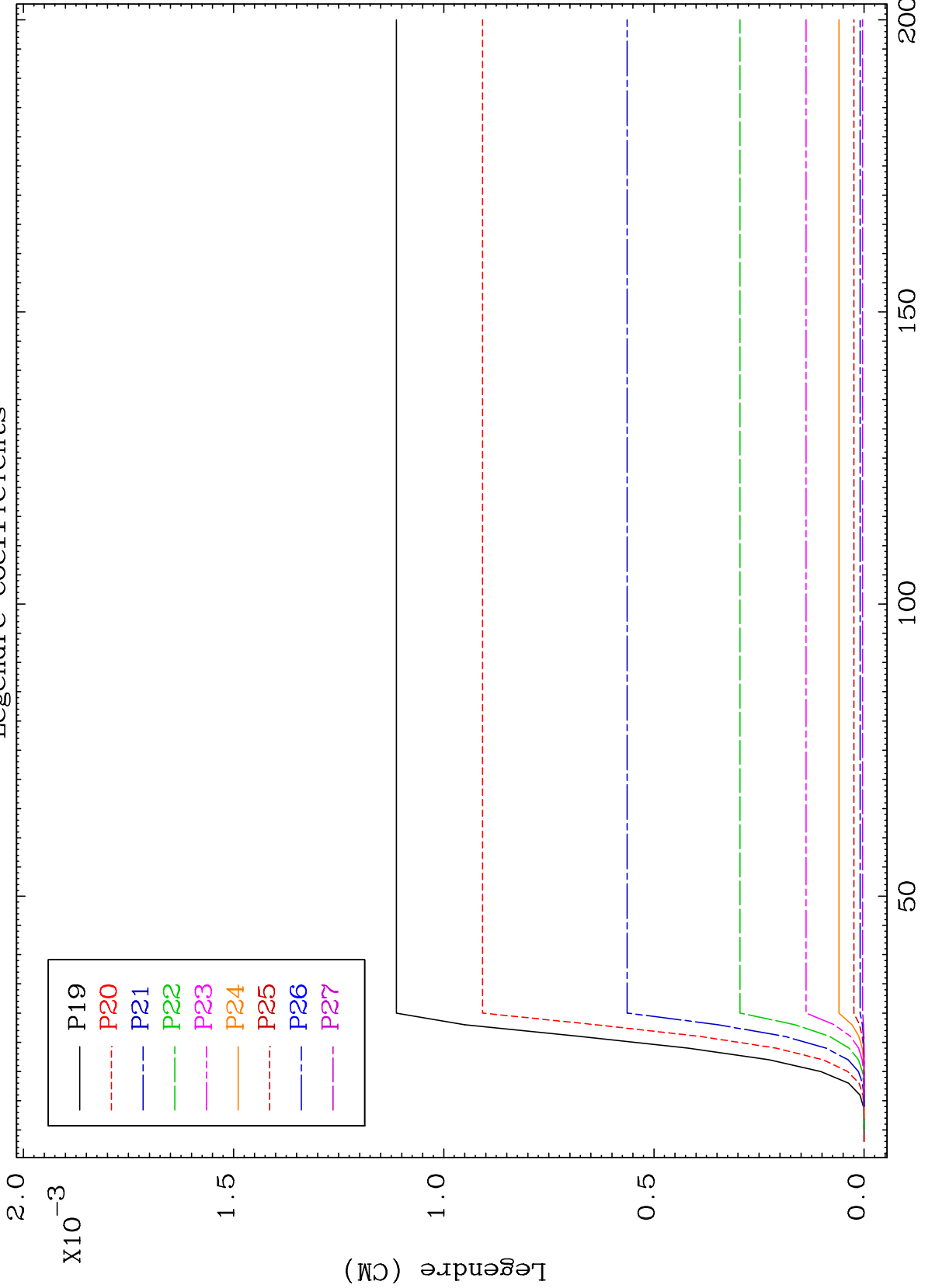
MAT 5061 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-124



MAT 5061 MT= 70 (n,n') Level Legendre Coefficients

50-Sn-124

50-Sn-124



90

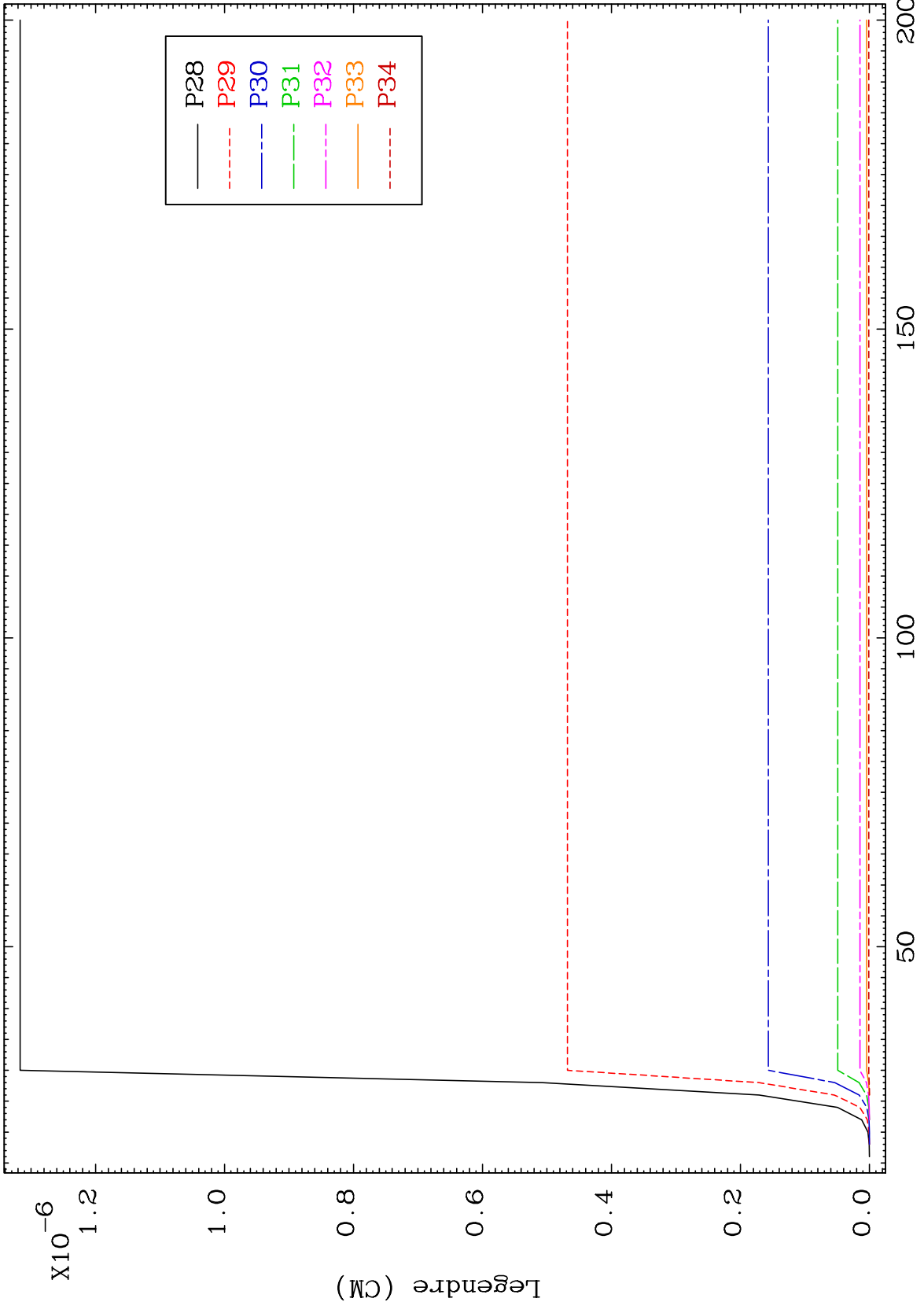
50

100

150

200

MAT 5061 MT= 70 (n,n') Level Legendre Coefficients 50-Sn-124

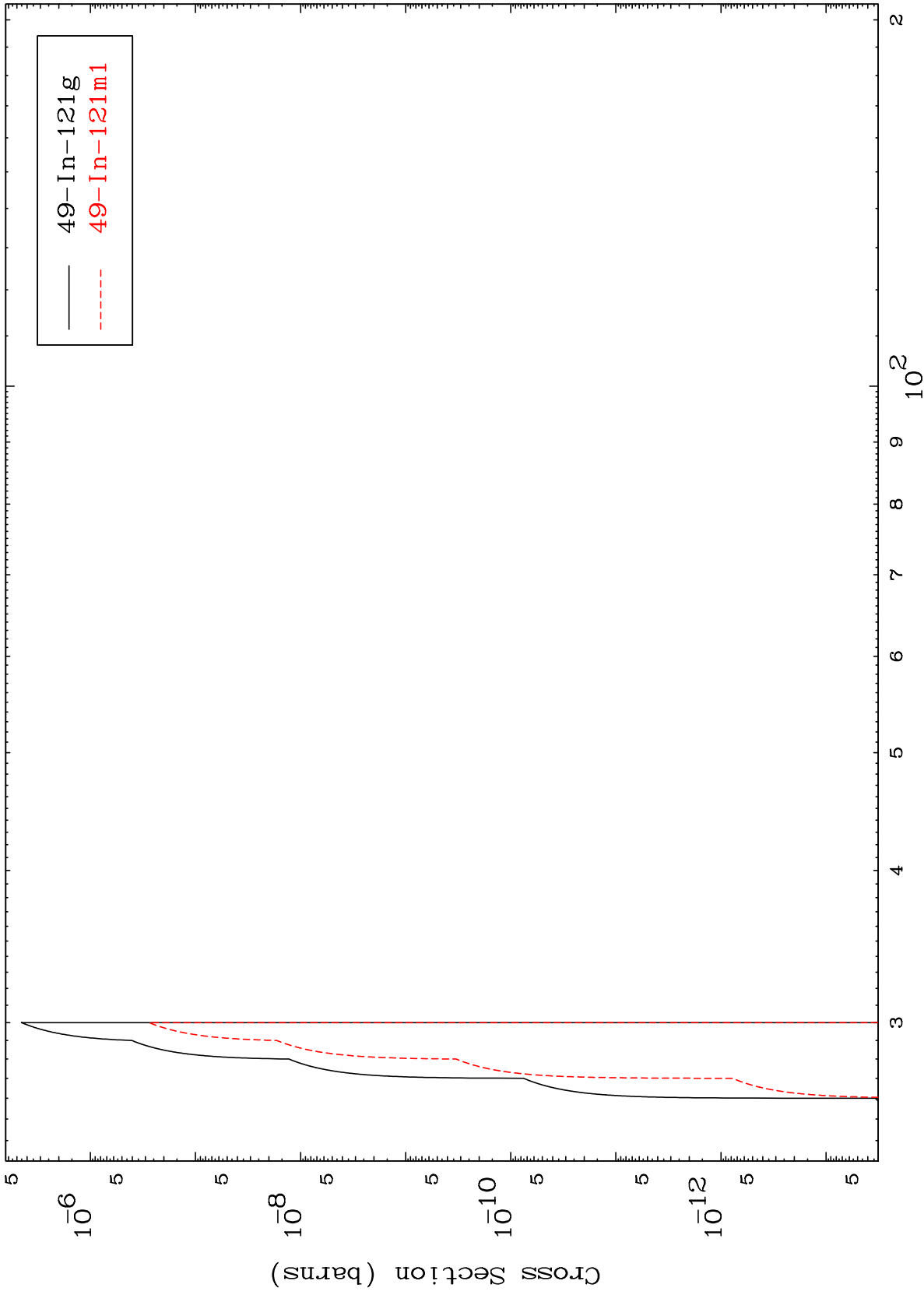


MAT 5061

(n,2n) d

50-Sn-124

Radionuclide Production Cross Section



92

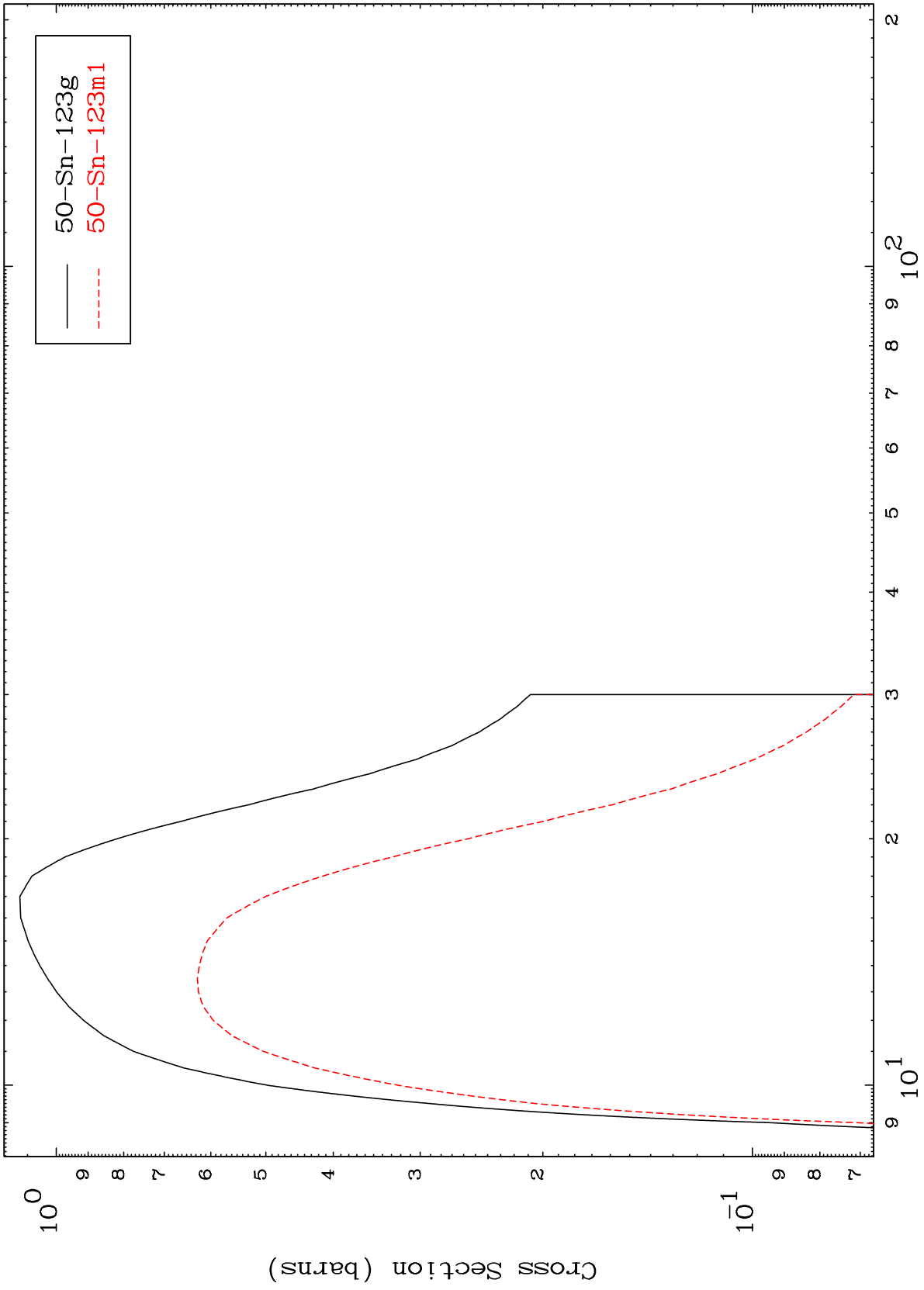
Incident Energy (MeV)

50-Sn-124

MAT 5061

50-Sn-124

(n,2n)  
Radionuclide Production Cross Section



93

Incident Energy (MeV)

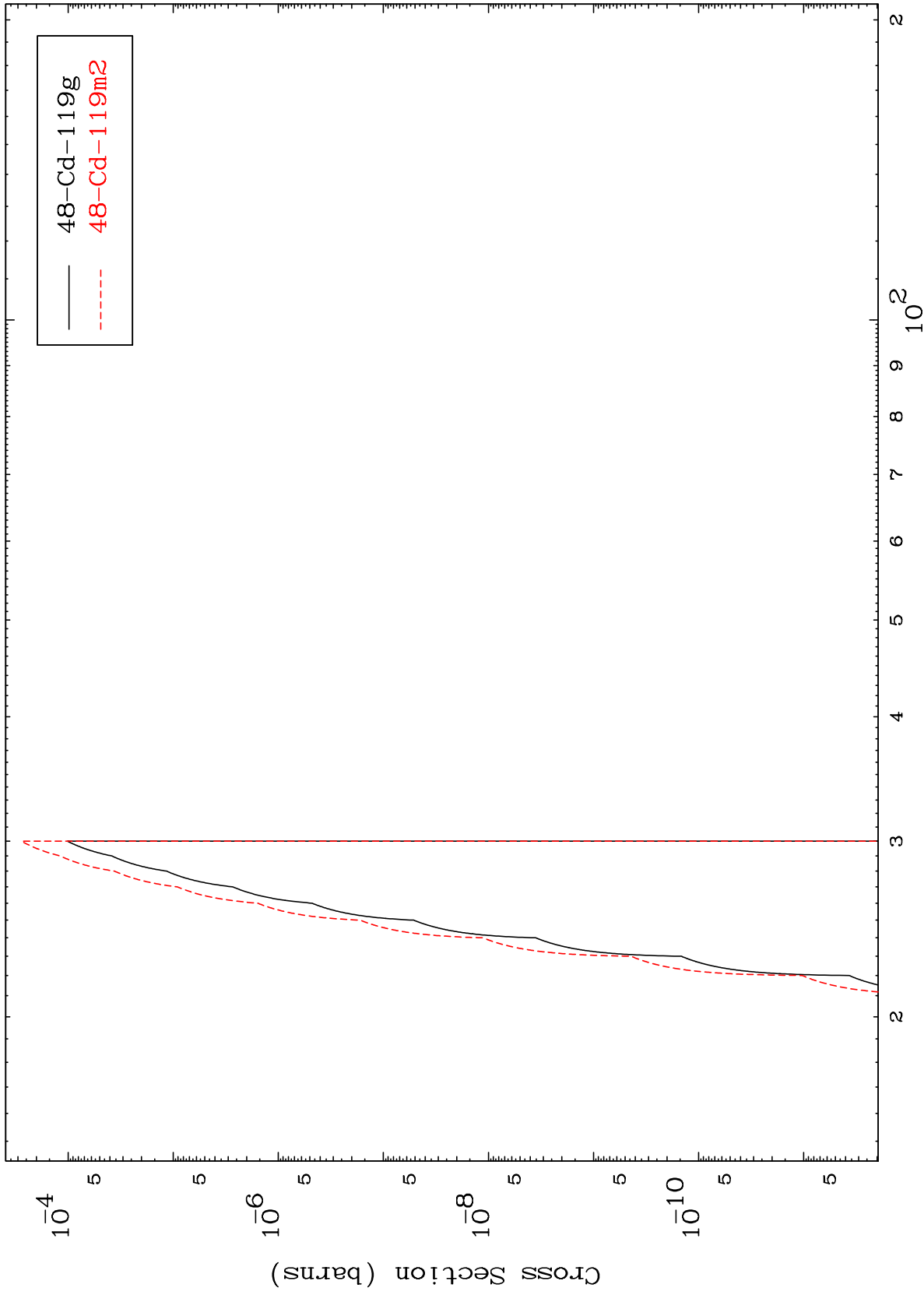
50-Sn-124

MAT 5061

(n,2n)  $\alpha$

50-Sn-124

Radionuclide Production Cross Section



94

Incident Energy (MeV)

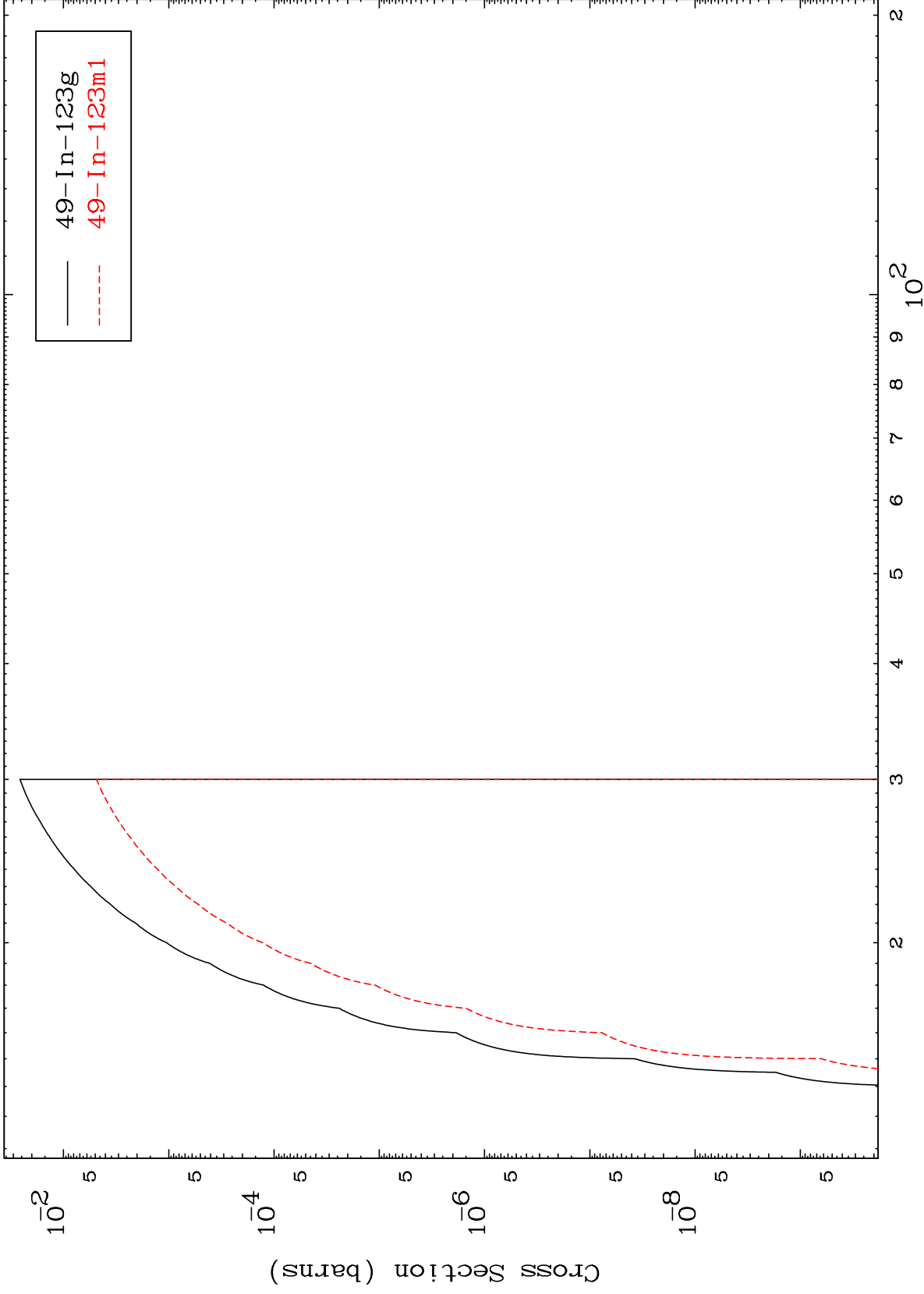
50-Sn-124

MAT 5061

(n,n') p

50-Sn-124

Radionuclide Production Cross Section



95

Incident Energy (MeV)

50-Sn-124

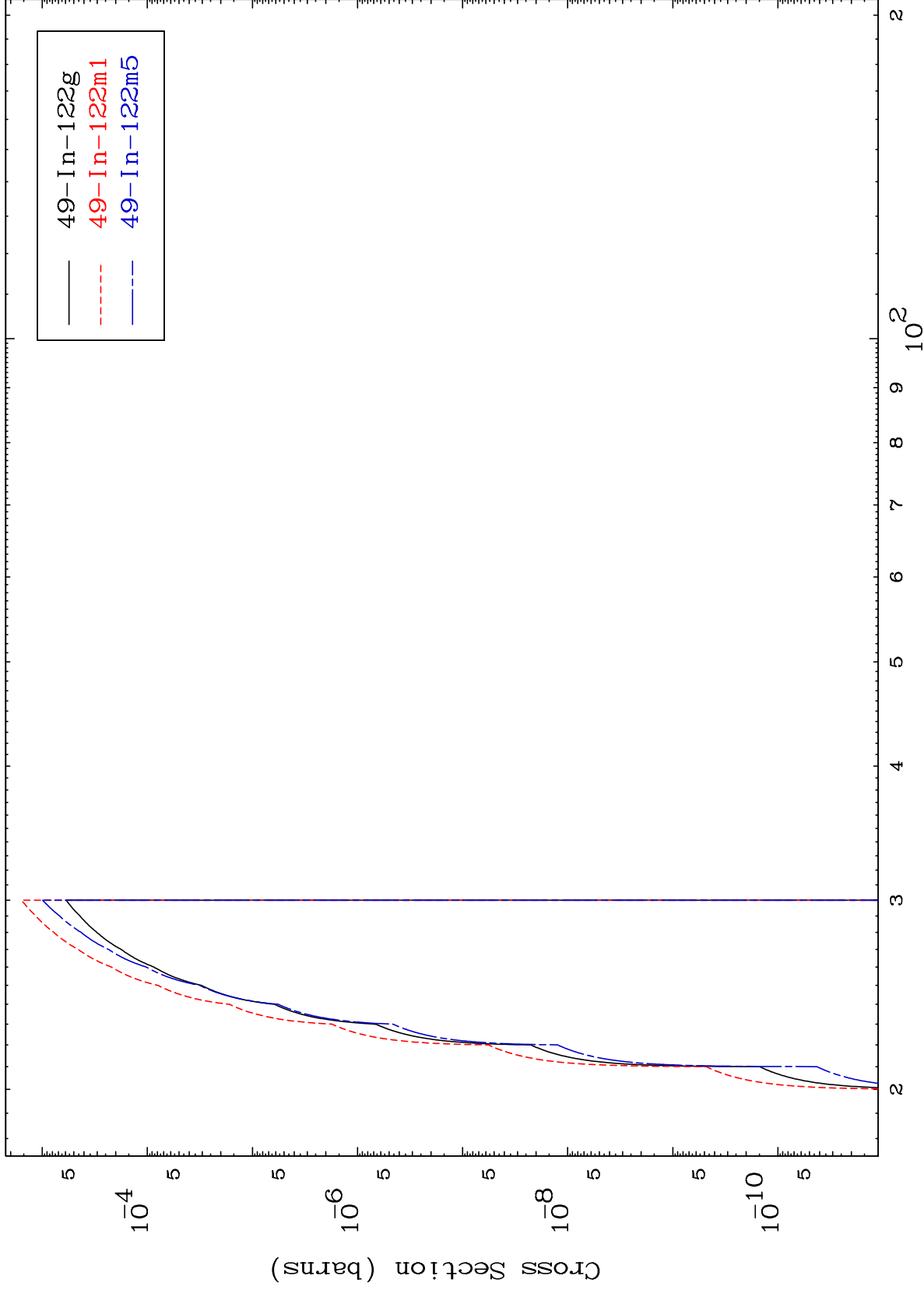


MAT 5061

(n,n') d

50-Sn-124

Radionuclide Production Cross Section



96

Incident Energy (MeV)

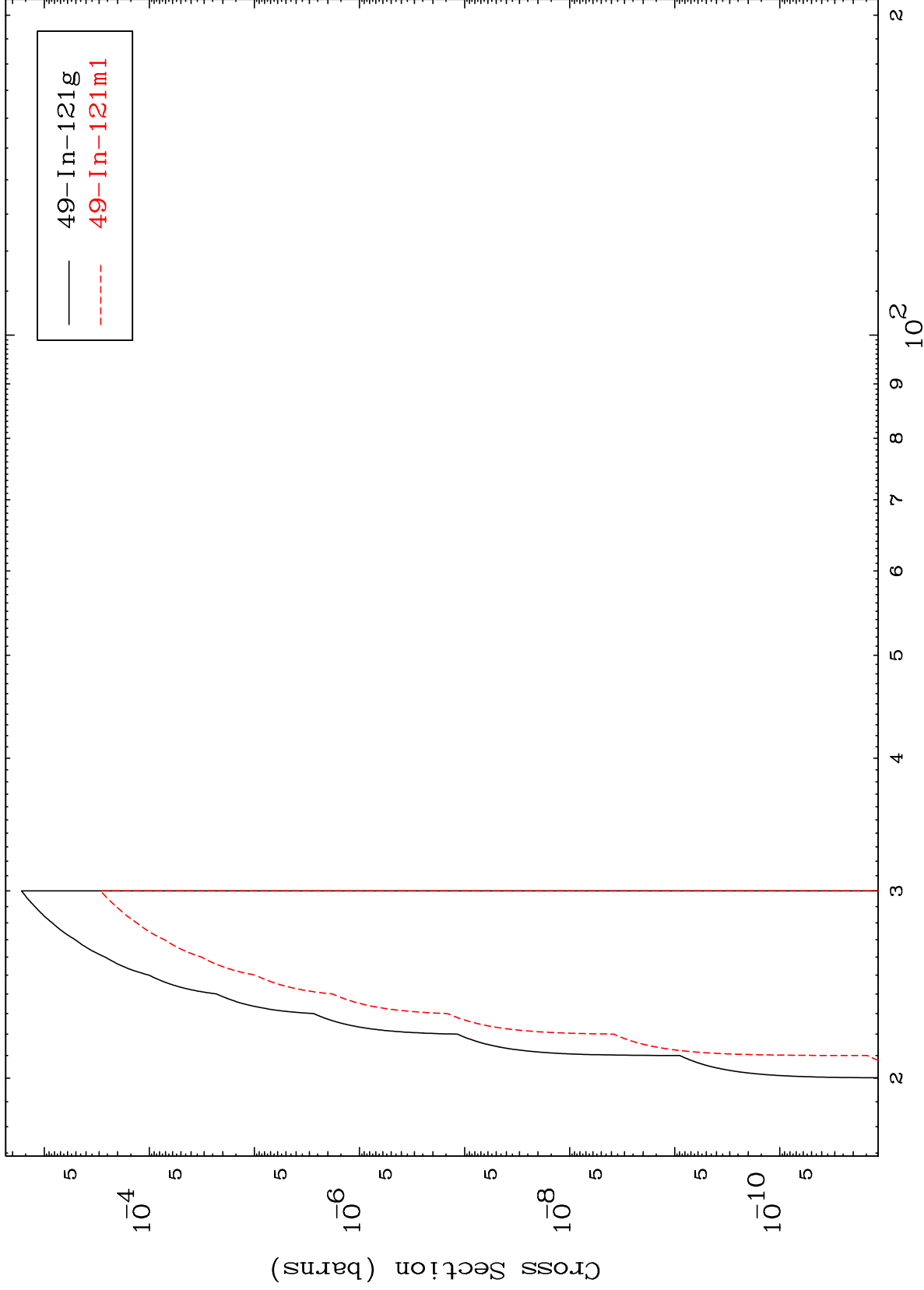
50-Sn-124

MAT 5061

(n,n') t

50-Sn-124

Radionuclide Production Cross Section



97

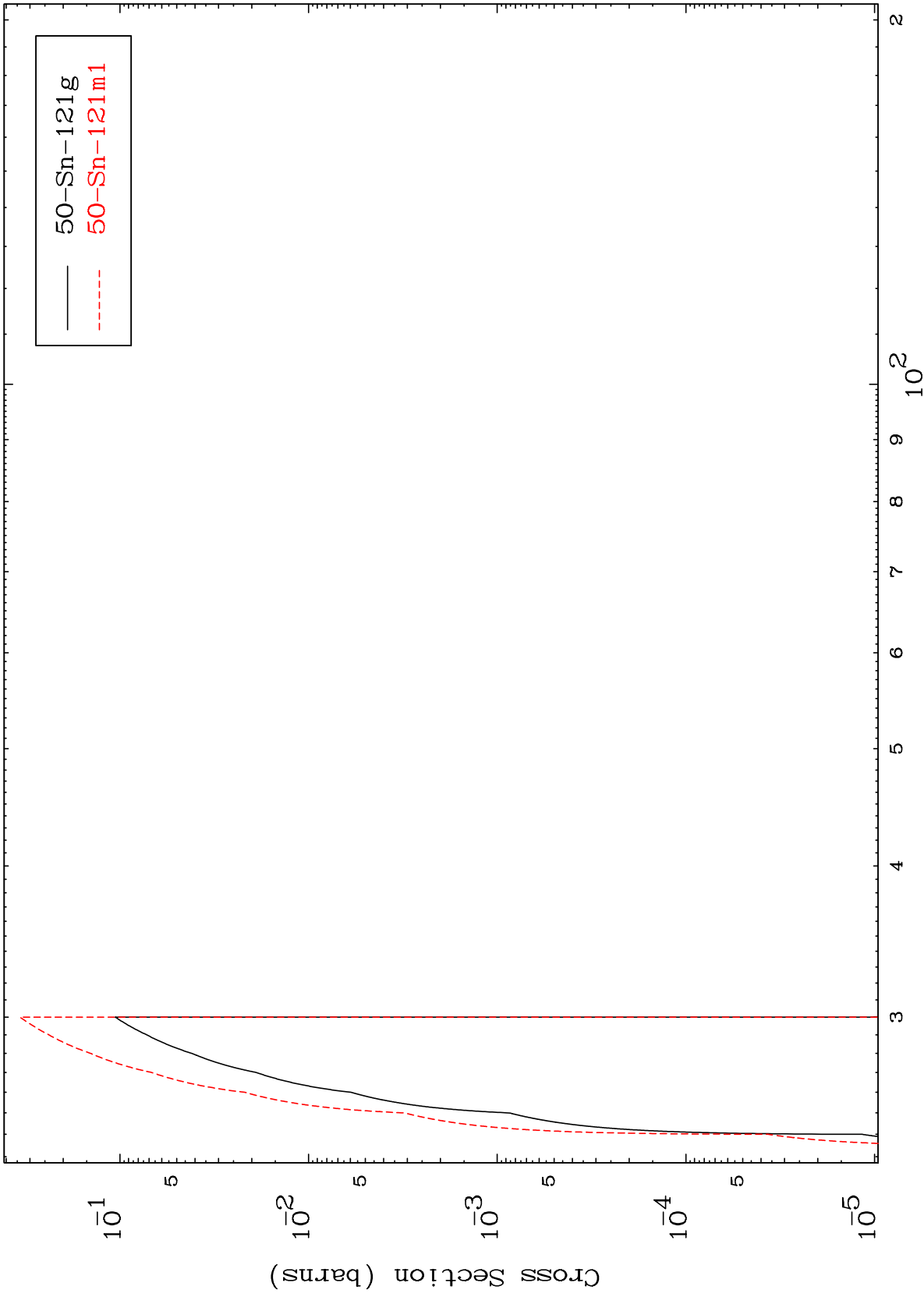
Incident Energy (MeV)

50-Sn-124

MAT 5061

50-Sn-124

(n,4n)  
Radionuclide Production Cross Section



50-Sn-121g  
50-Sn-121m1

98

50-Sn-124

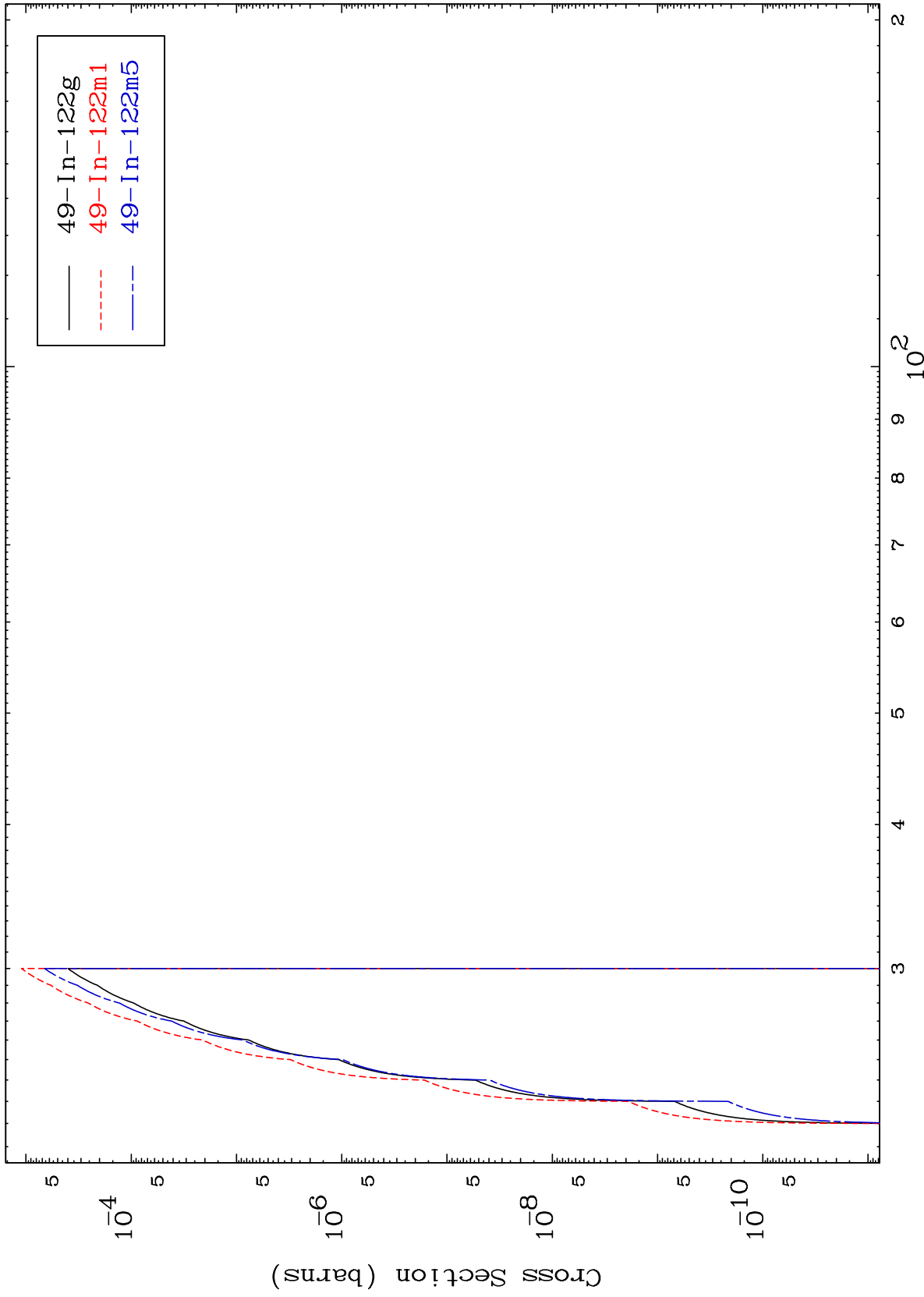
Incident Energy (MeV)

MAT 5061

(n,2n) p

50-Sn-124

Radionuclide Production Cross Section



99

Incident Energy (MeV)

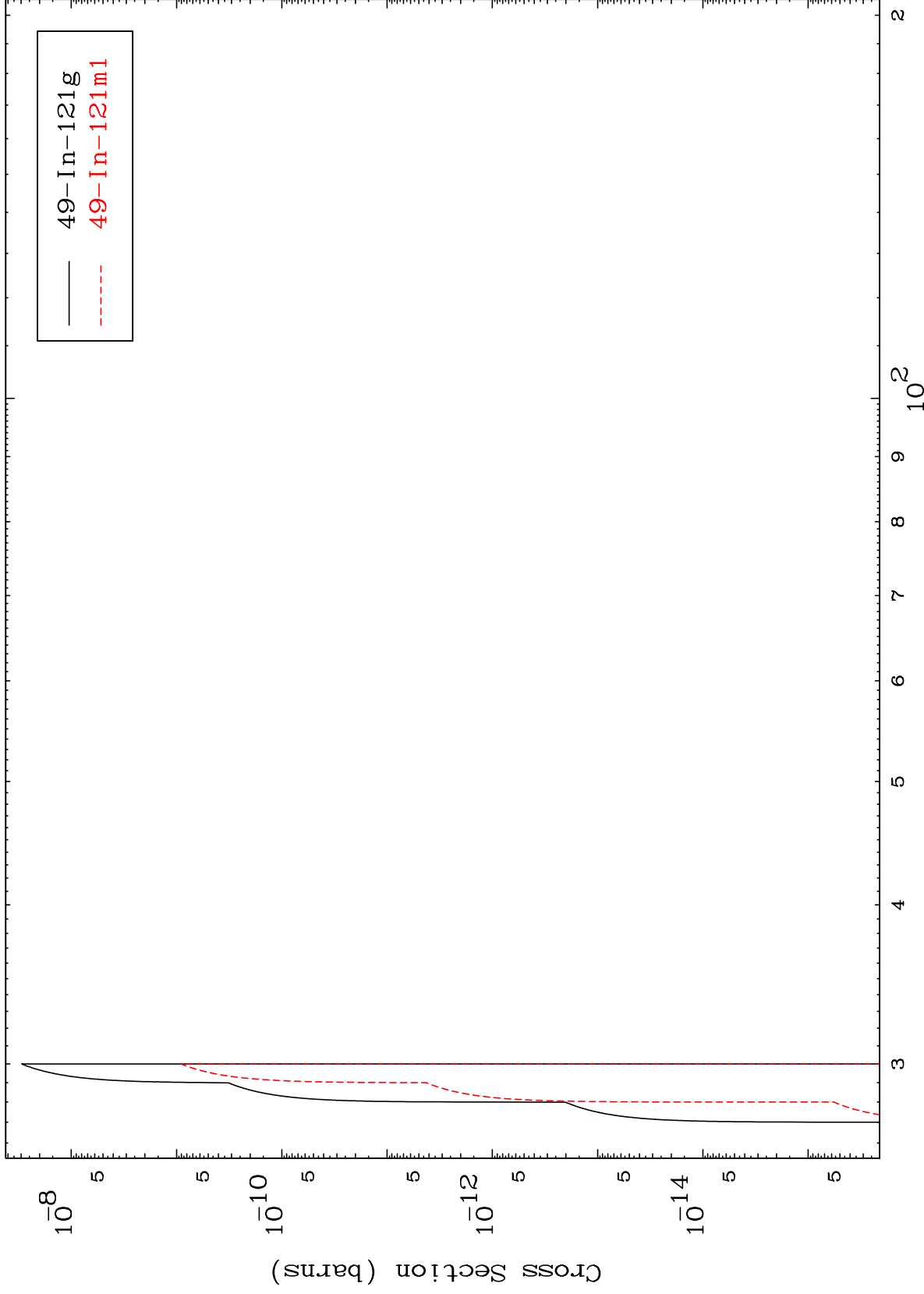
50-Sn-124

MAT 5061

(n,3n) p

50-Sn-124

Radionuclide Production Cross Section



100

Incident Energy (MeV)

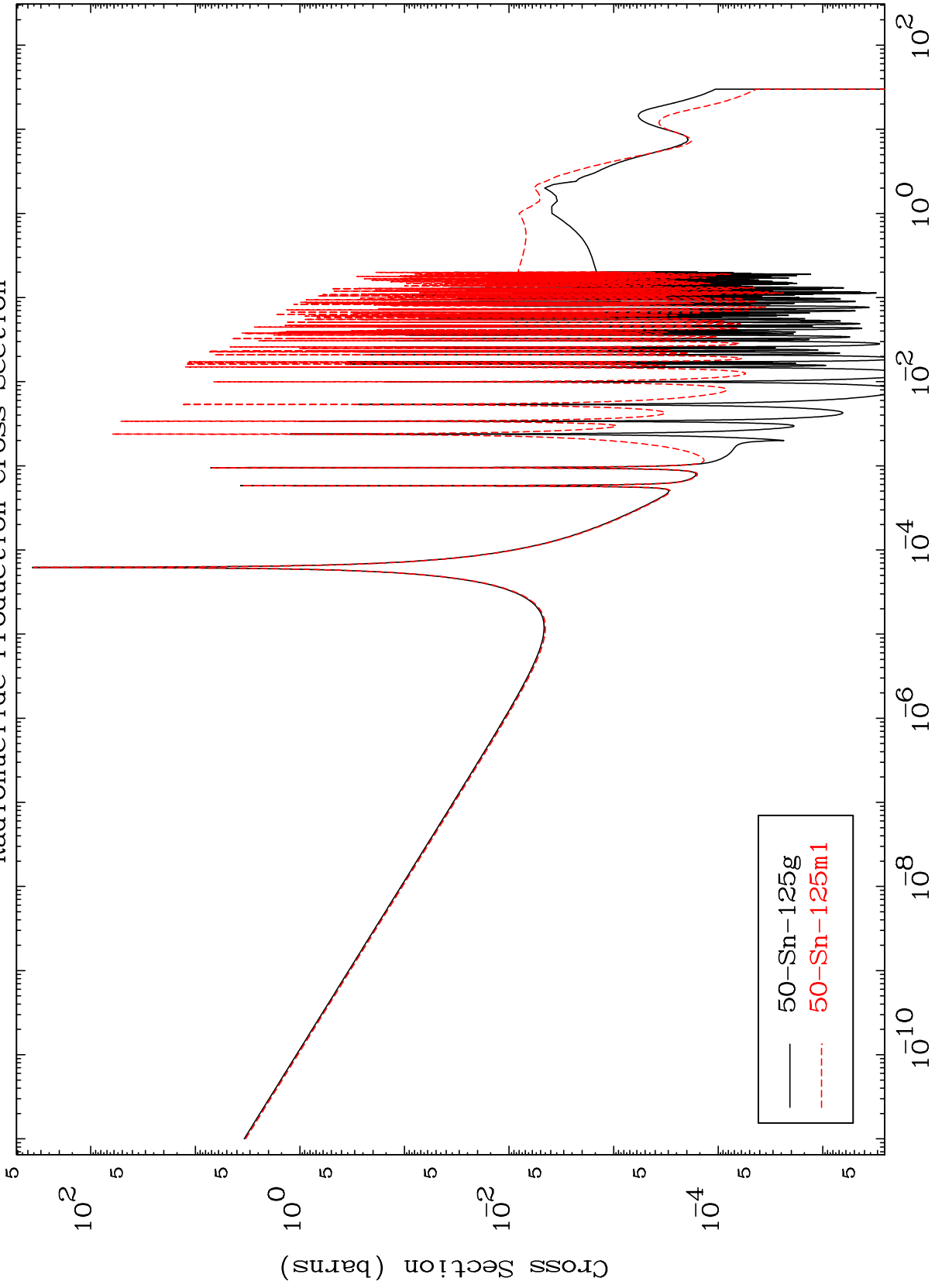
$10^2$

50-Sn-124

MAT 5061

50-Sn-124

(n,γ)  
Radionuclide Production Cross Section



101

Incident Energy (MeV)

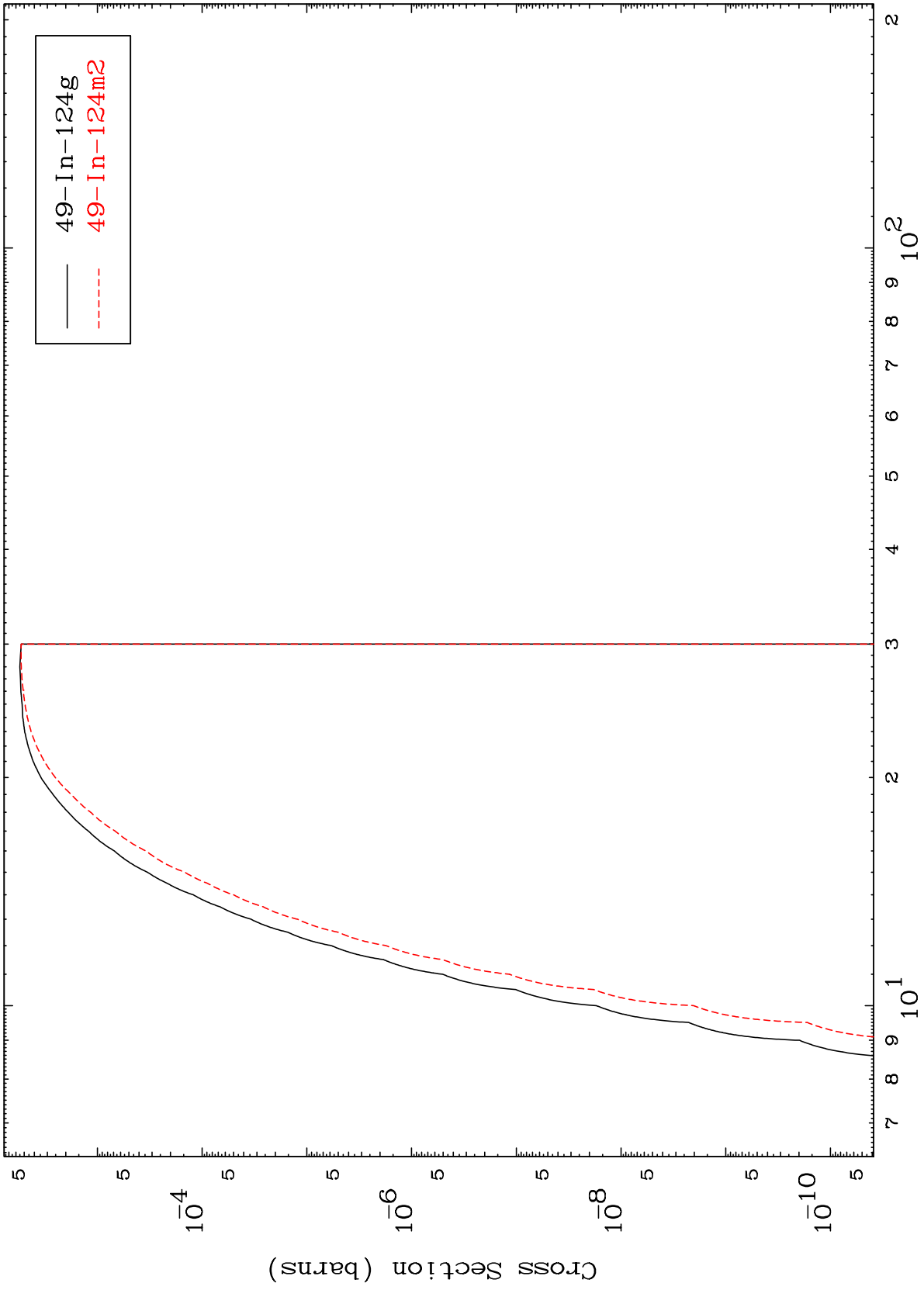
50-Sn-124

— 50-Sn-125g  
- - - 50-Sn-125m1

MAT 5061

50-Sn-124

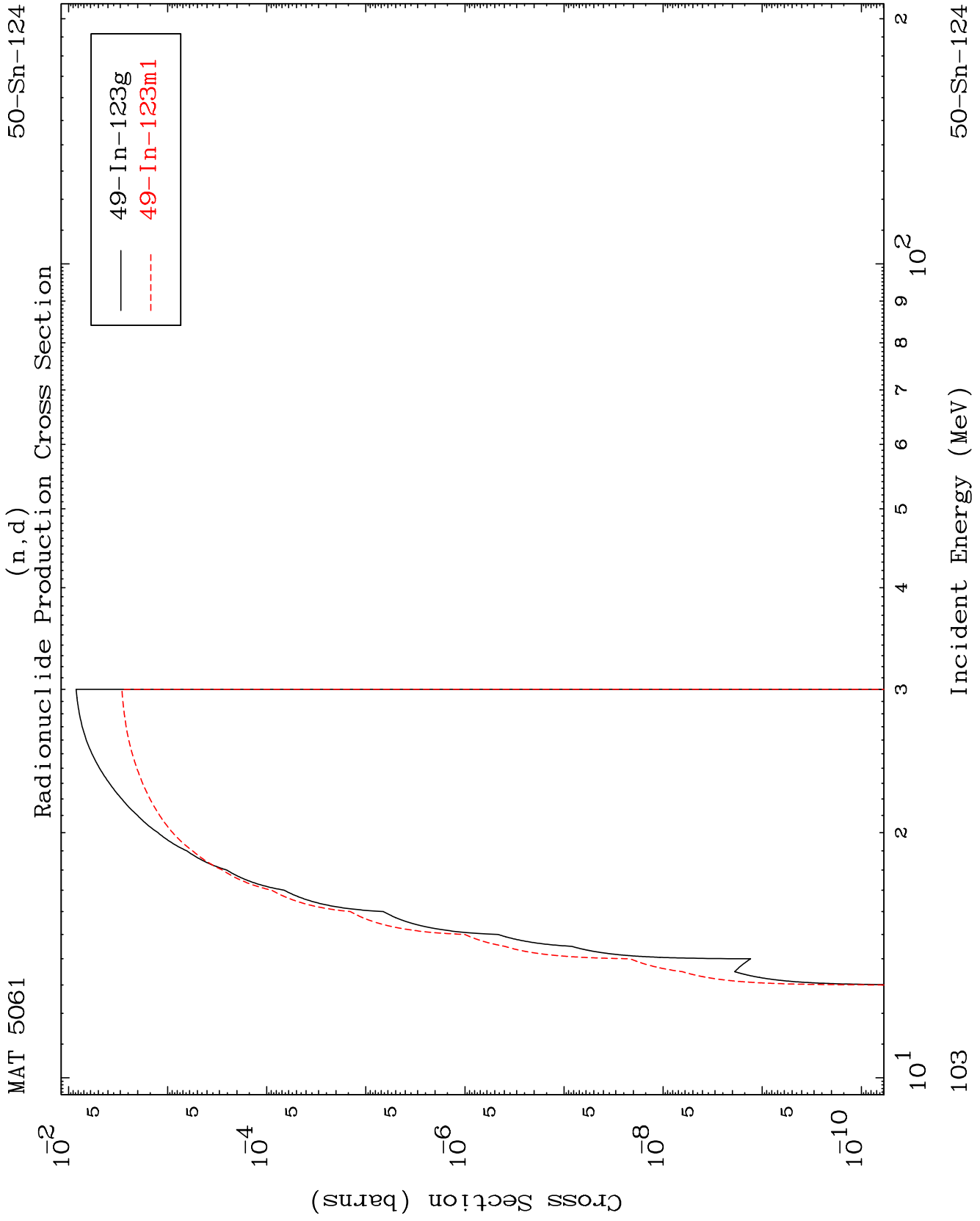
(n,p)  
Radionuclide Production Cross Section



102

Incident Energy (MeV)

50-Sn-124

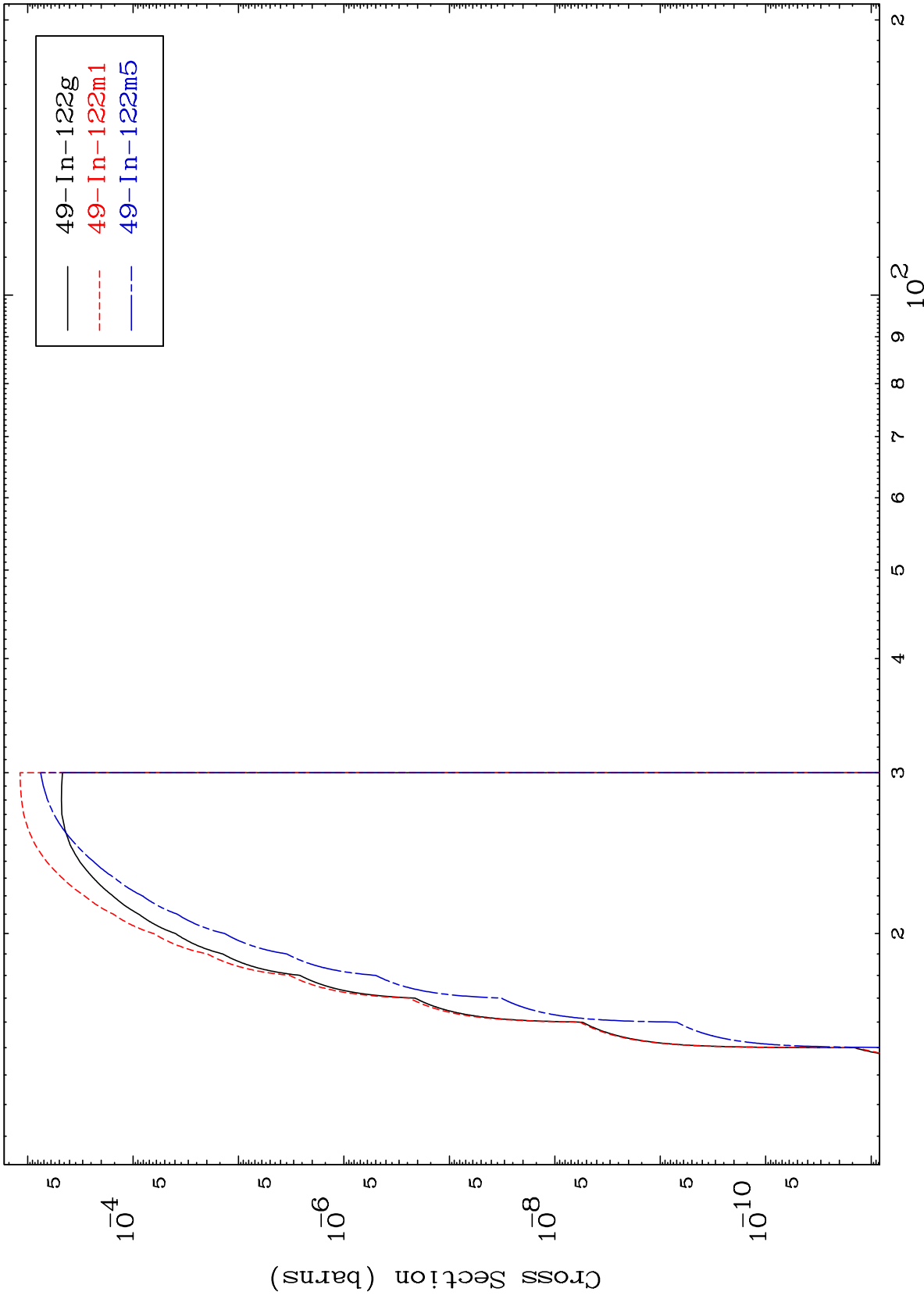




MAT 5061

50-Sn-124

(n, t)  
Radionuclide Production Cross Section



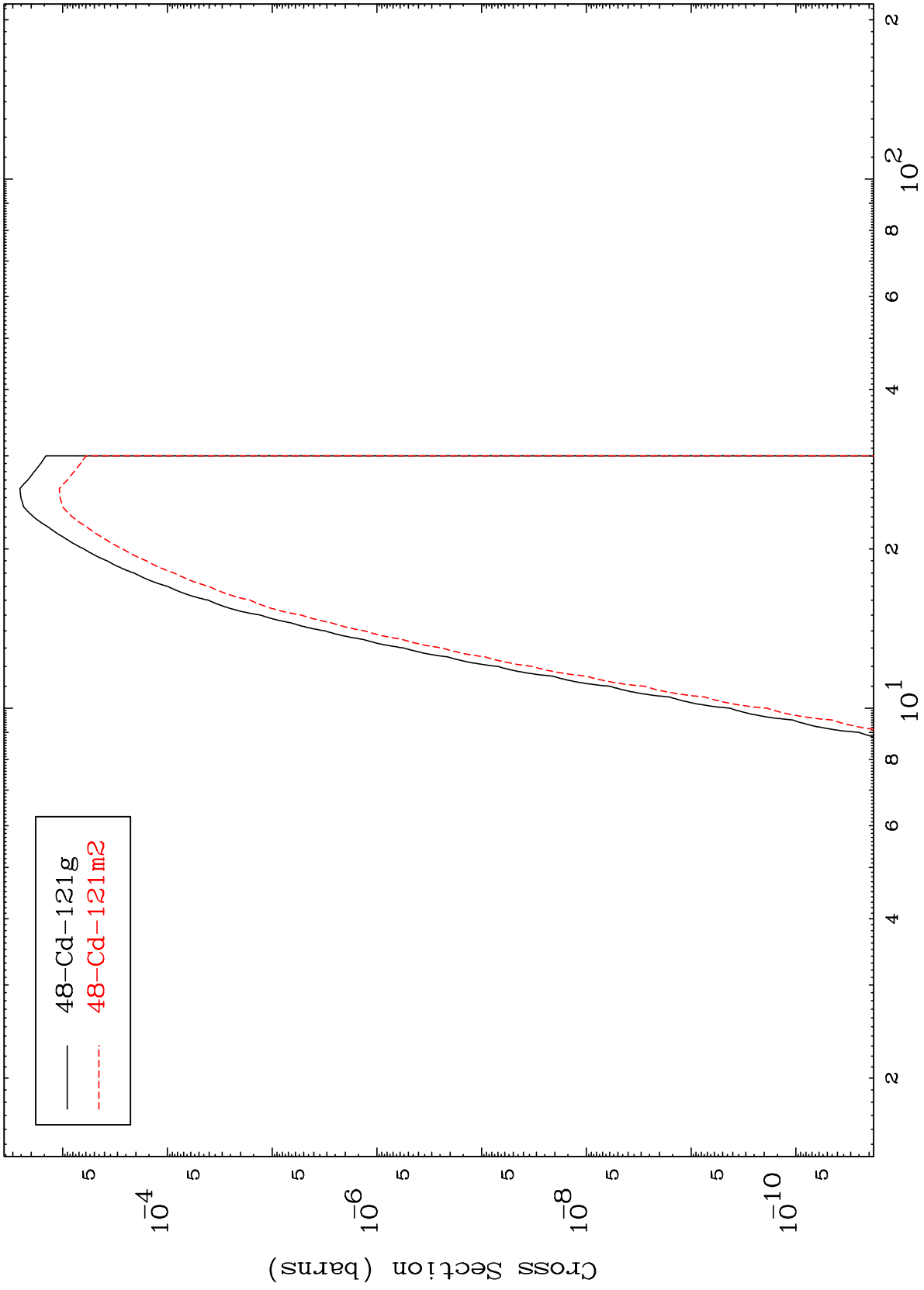
104

50-Sn-124

MAT 5061

50-Sn-124

(n,α)  
Radionuclide Production Cross Section



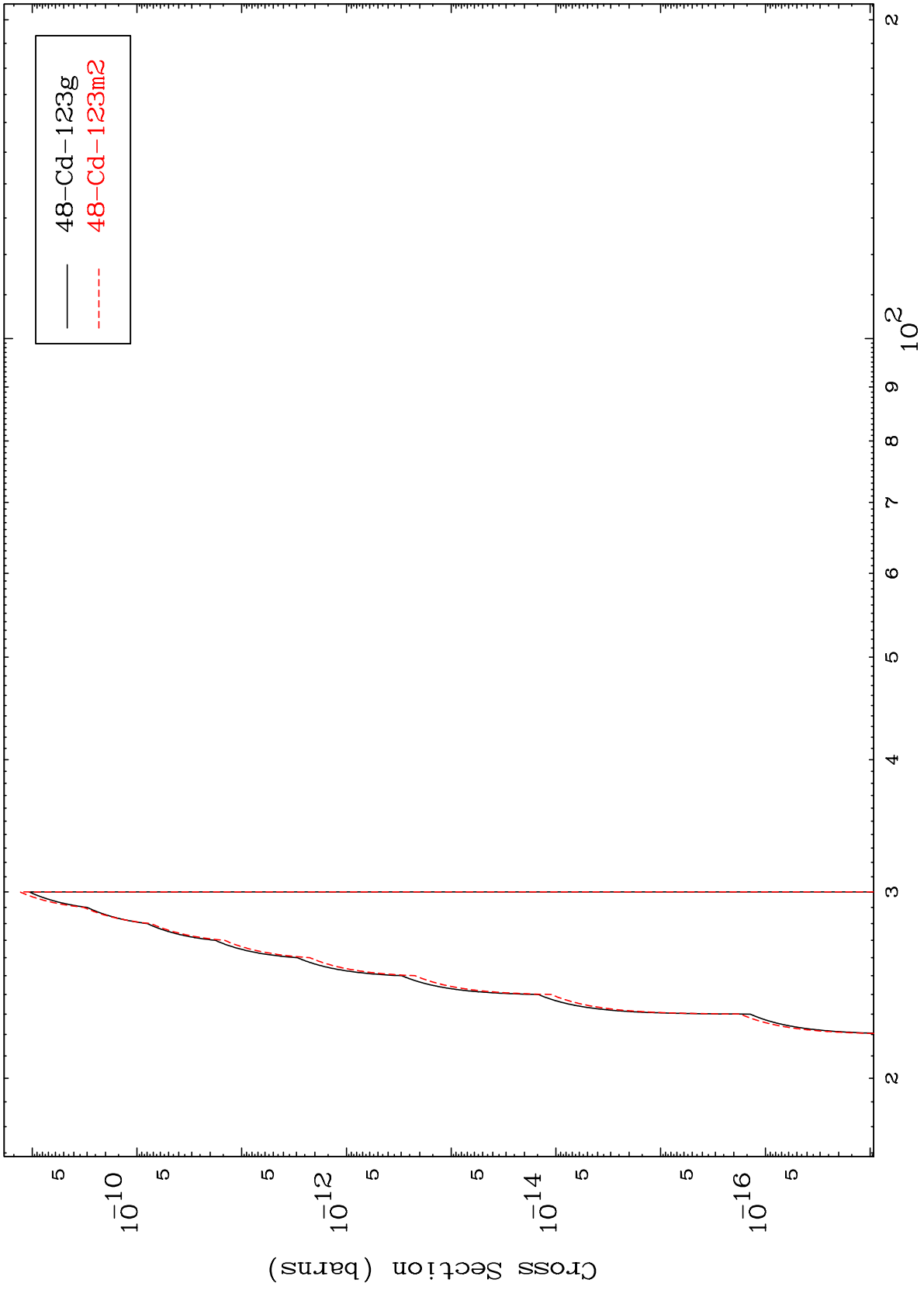
105

50-Sn-124

MAT 5061

50-Sn-124

(n,2p)  
Radionuclide Production Cross Section



106

Incident Energy (MeV)

50-Sn-124