

Program EVALPLOT  
(Version 2021-1)

by

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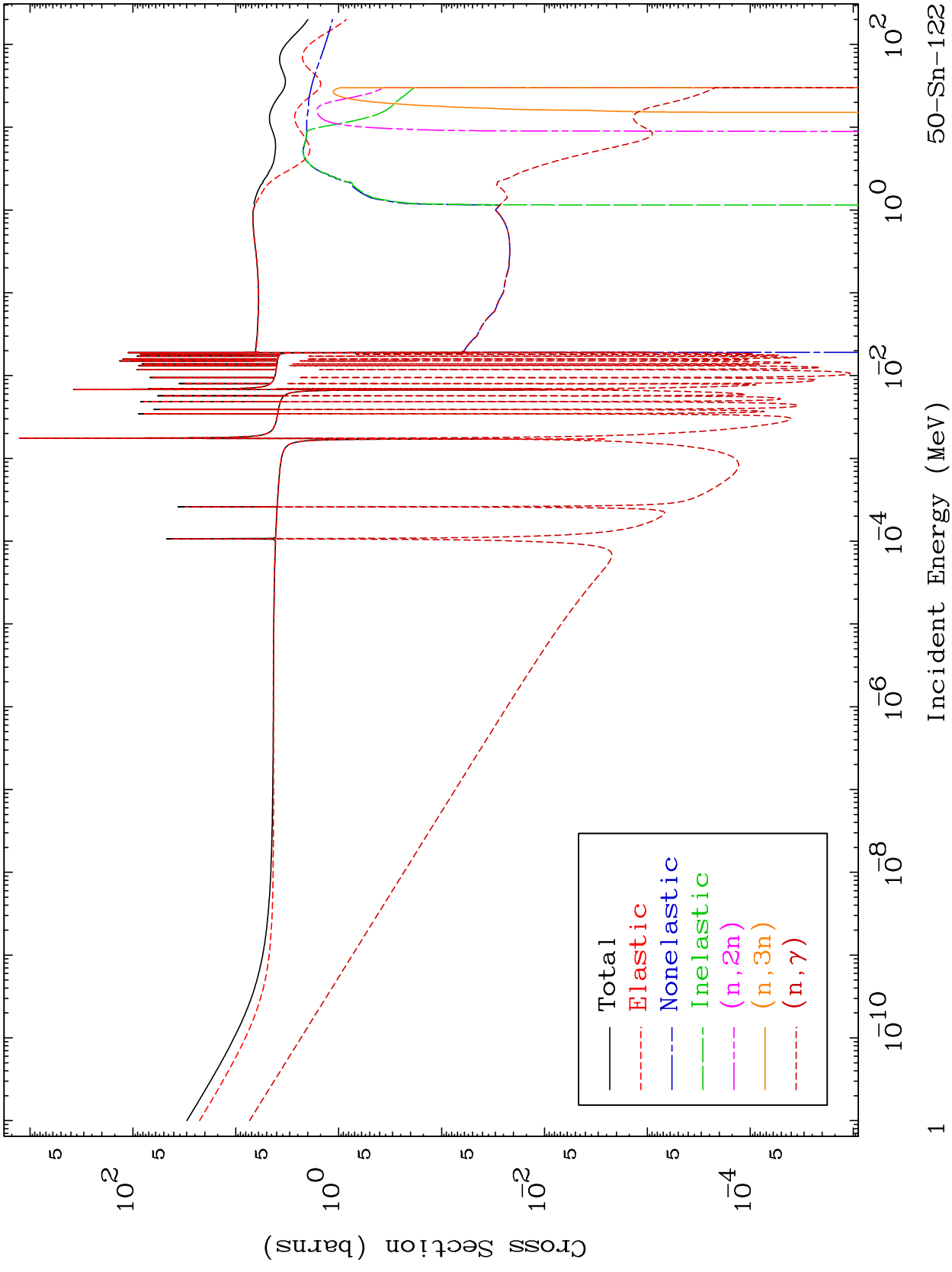
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5055

Neutron Major  
293 Kelvin Cross Sections

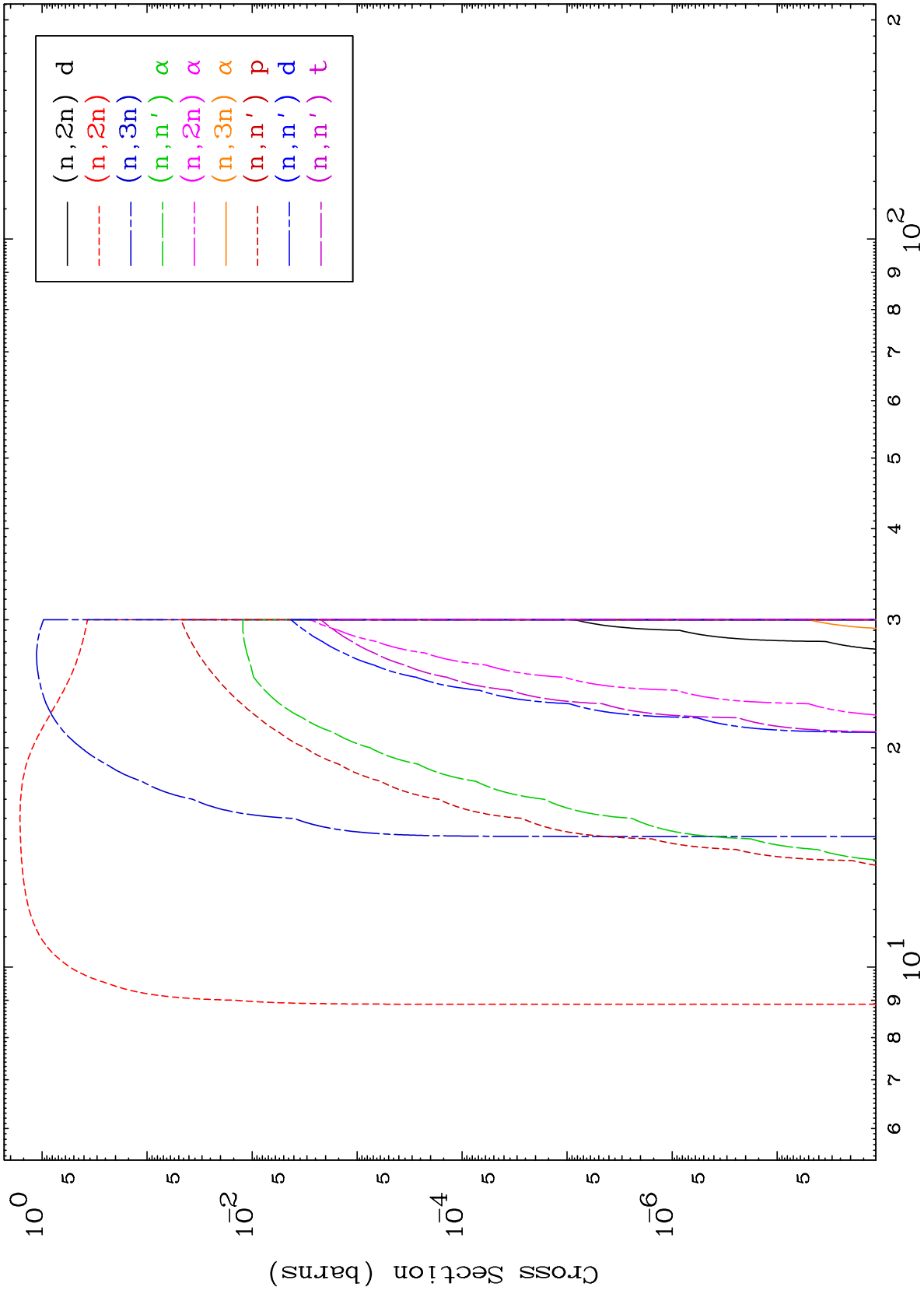
50-Sn-122



MAT 5055

Neutron Absorption  
293 Kelvin Cross Sections

50-Sn-122



2

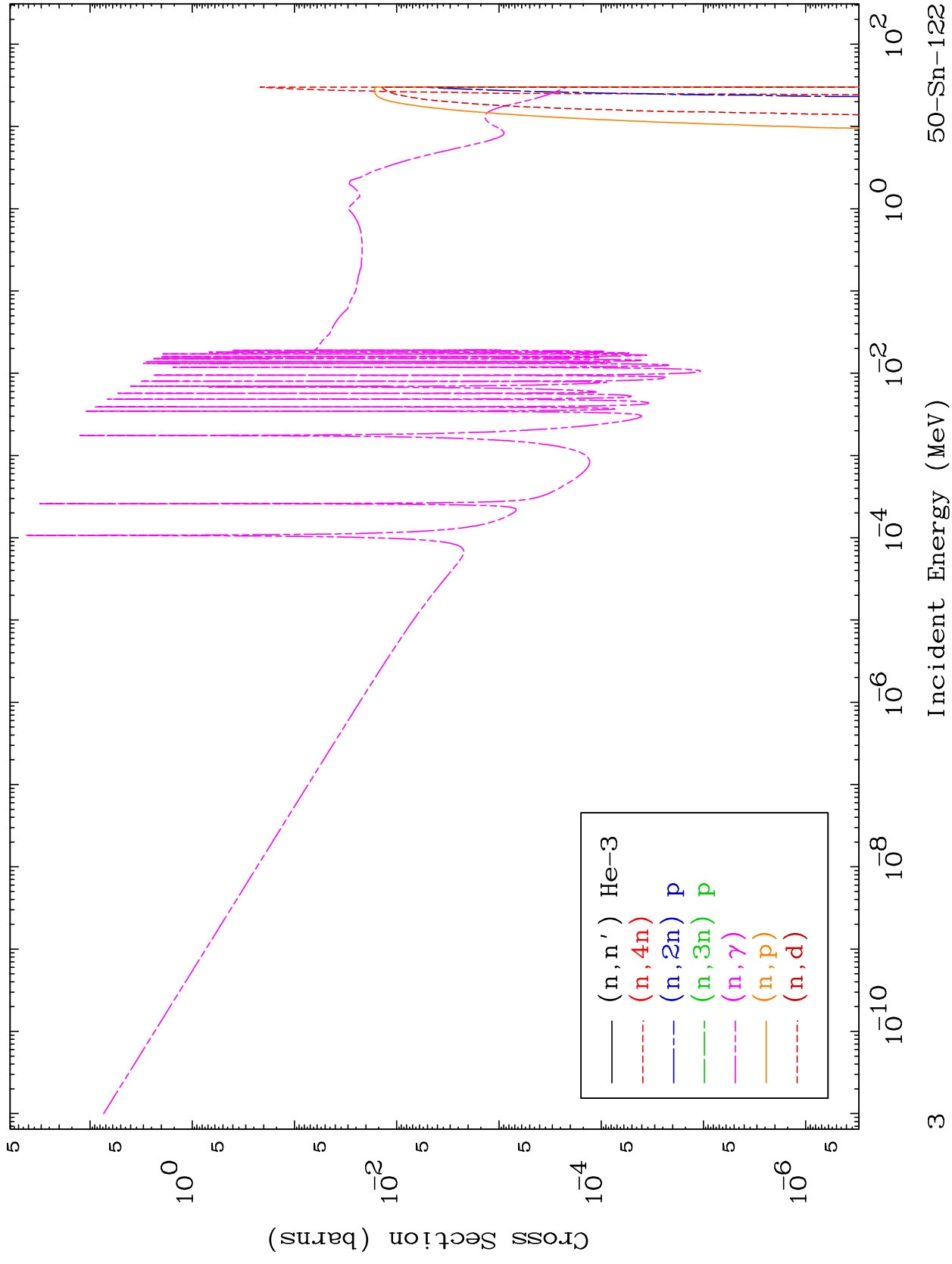
Incident Energy (MeV)

50-Sn-122

MAT 5055

Neutron Absorption  
293 Kelvin Cross Sections

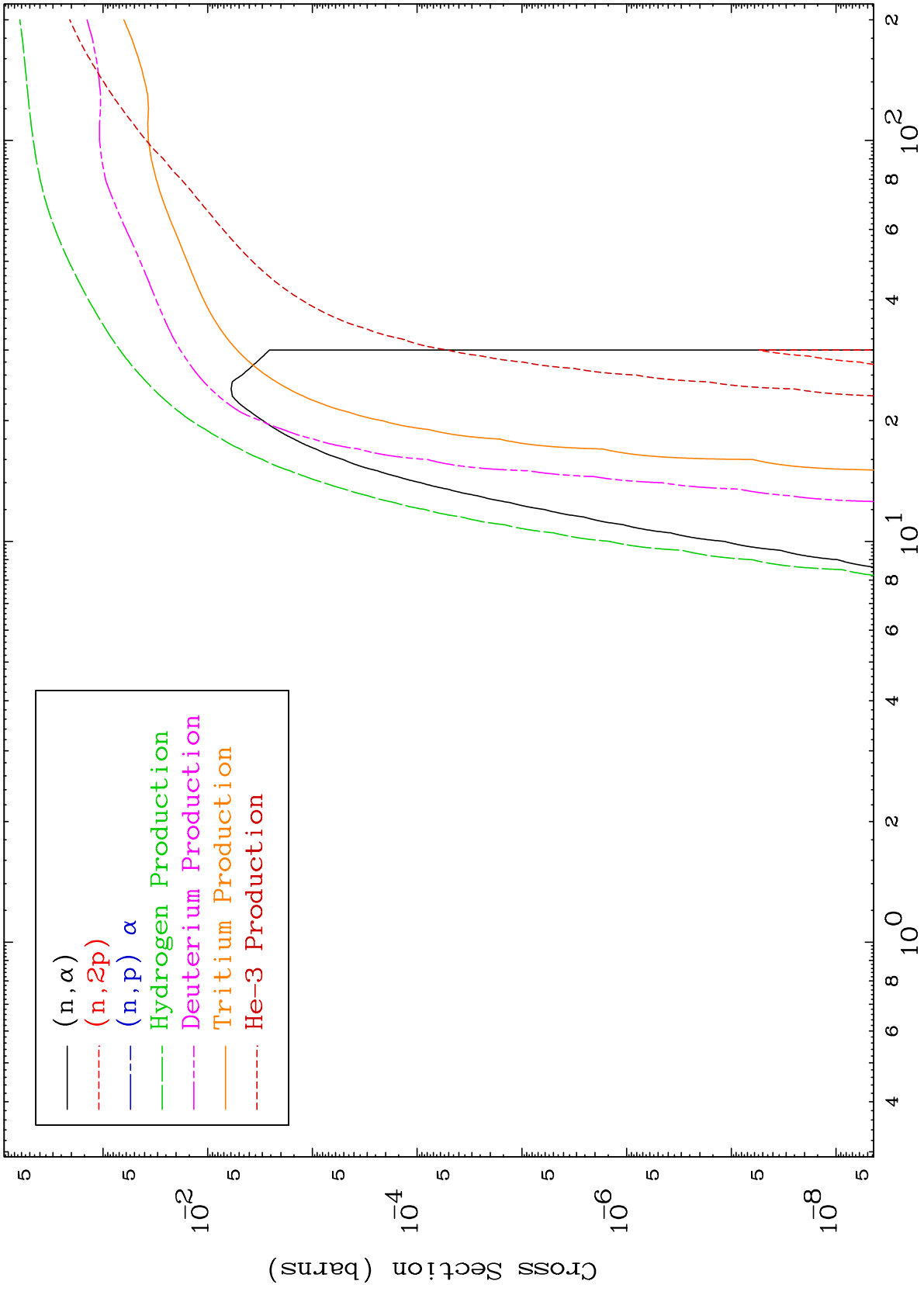
50-Sn-122



MAT 5055

Neutron Absorption  
293 Kelvin Cross Sections

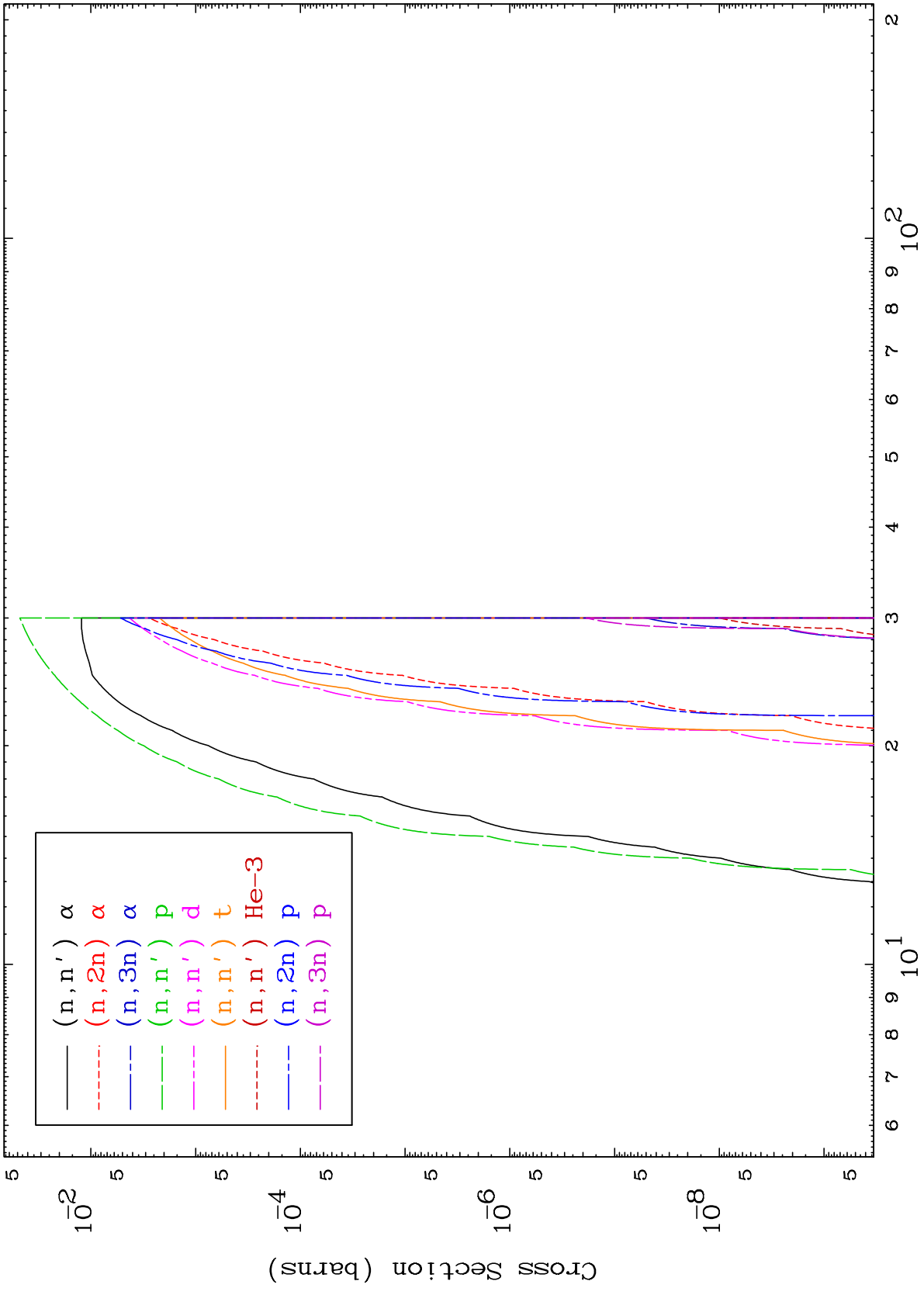
50-Sn-122



MAT 5055

Charged Particle  
293 Kelvin Cross Sections

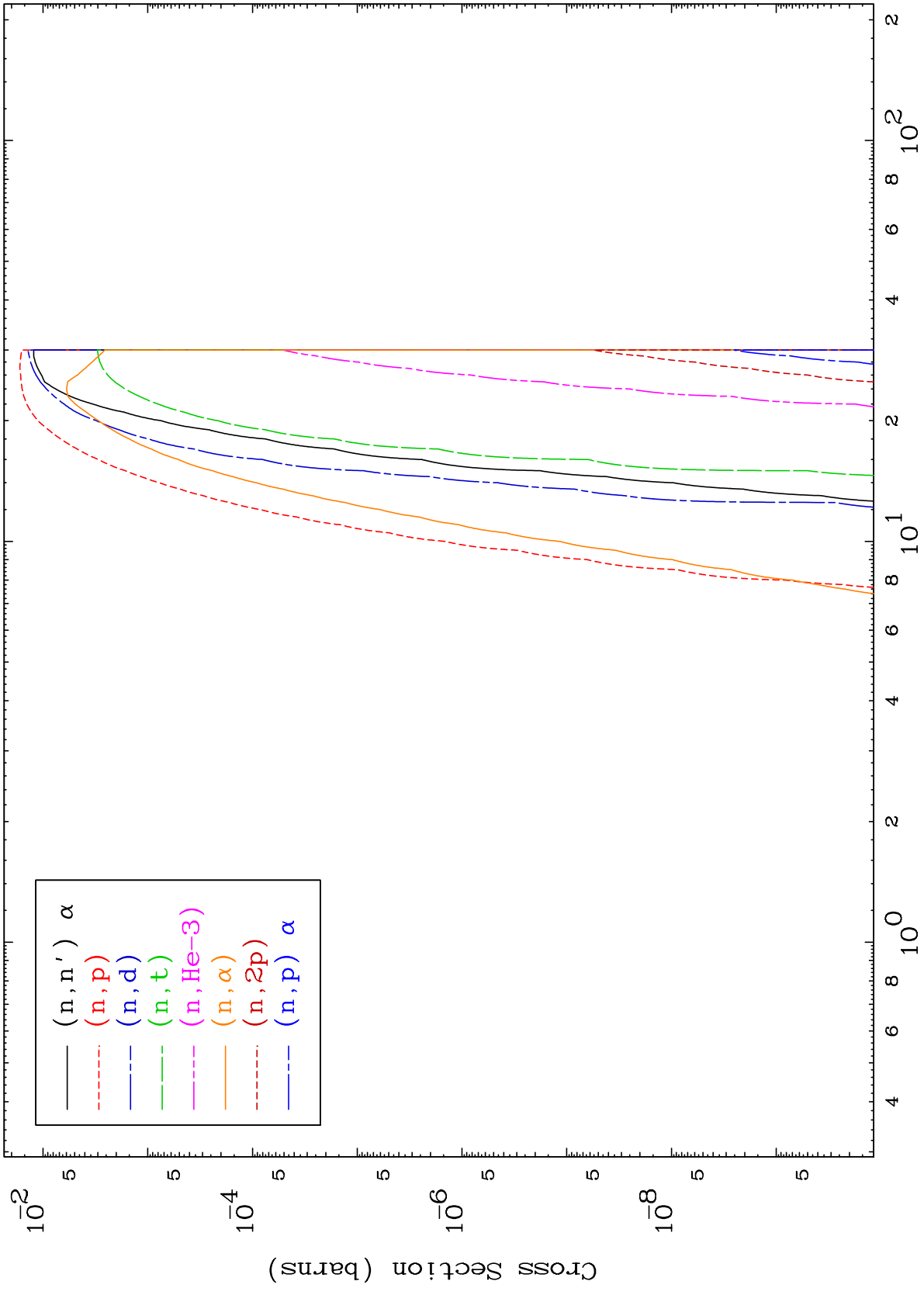
50-Sn-122



MAT 5055

293 Kelvin Cross Sections

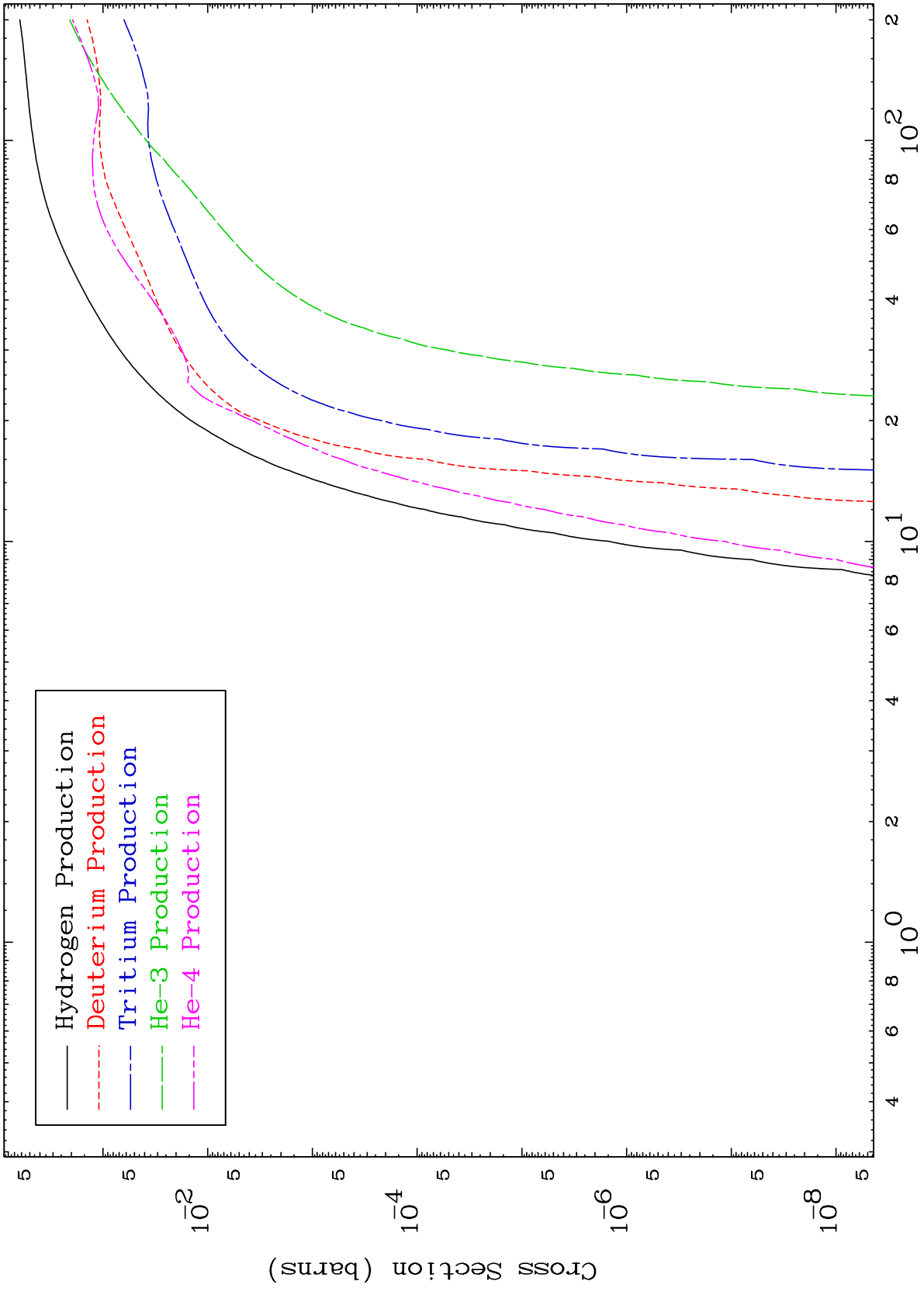
50-Sn-122



MAT 5055

Particle Production  
293 Kelvin Cross Sections

50-Sn-122



50-Sn-122

Incident Energy (MeV)

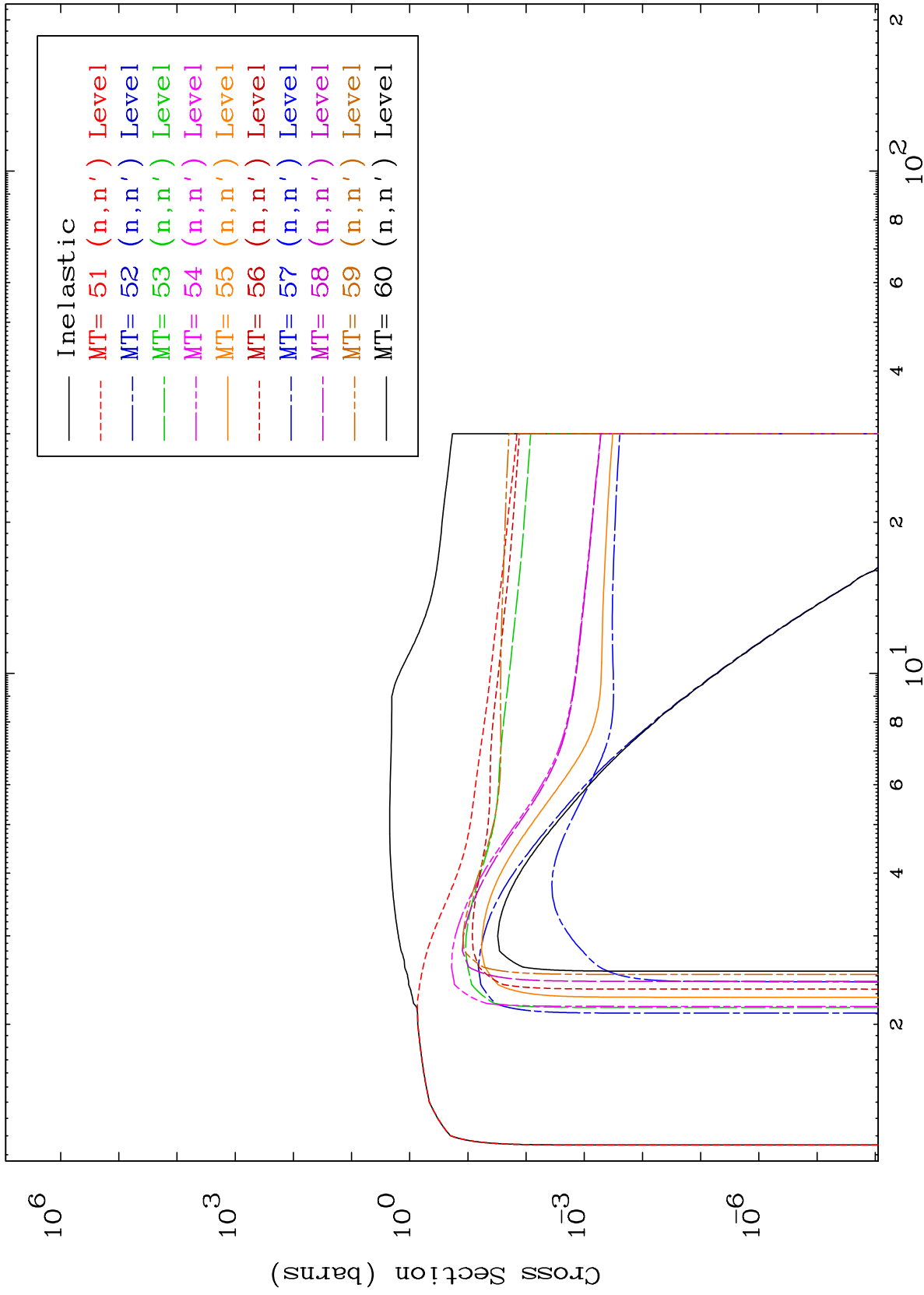


MAT 5055

(n,n') Levels

293 Kelvin Cross Sections

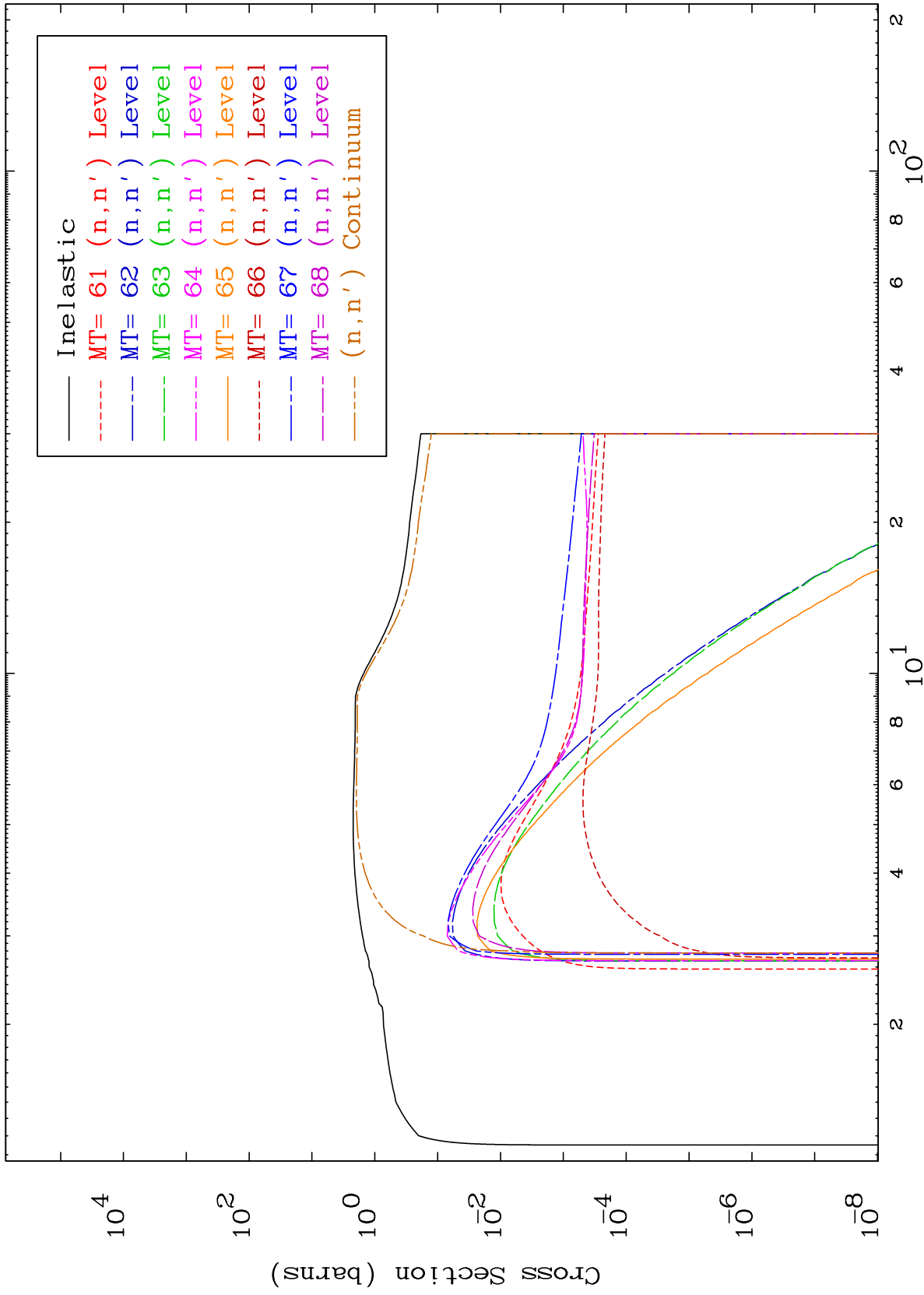
50-Sn-122



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Incident Energy (MeV)

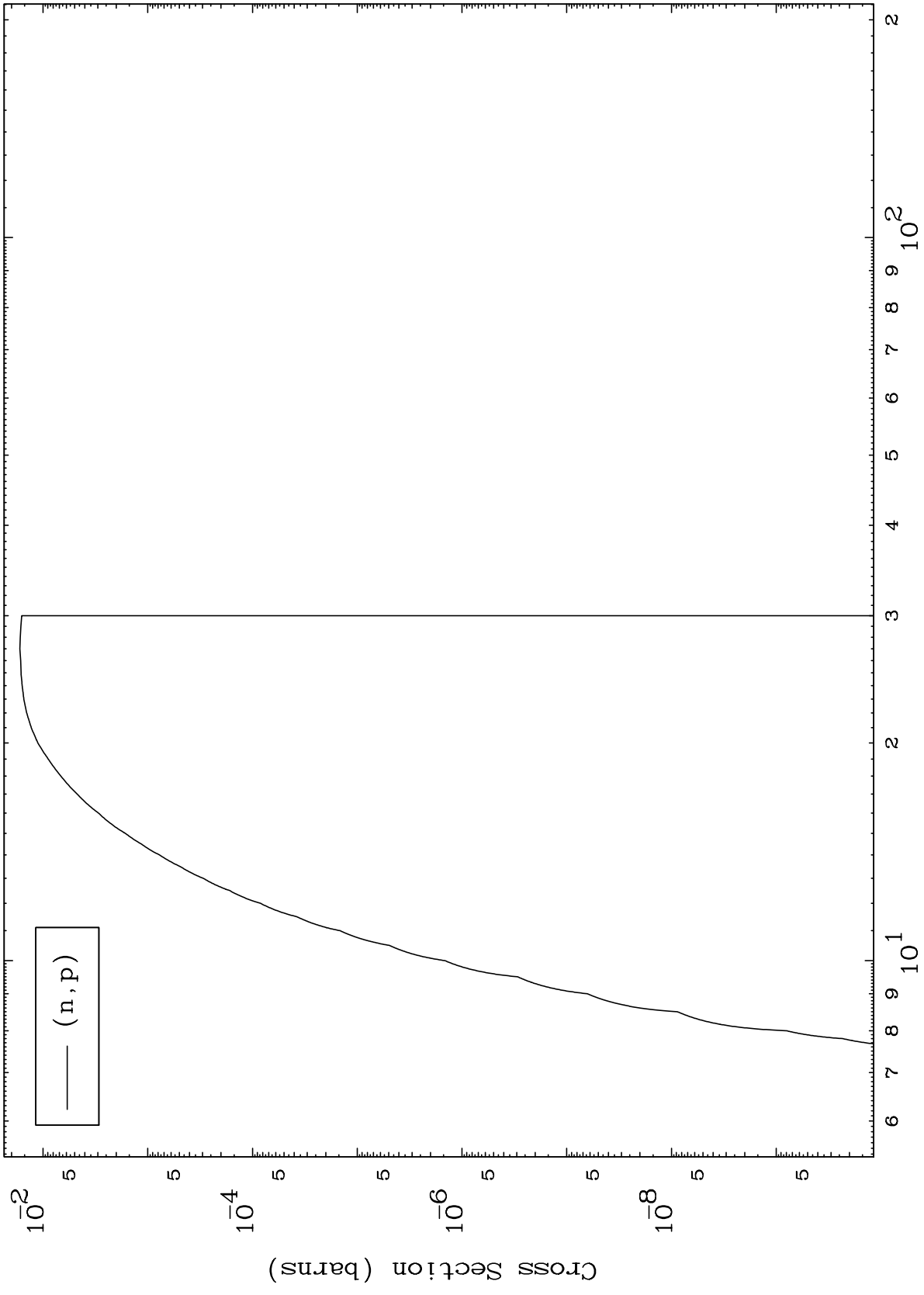
50-Sn-122



MAT 5055

(n,p) Levels  
293 Kelvin Cross Sections

50-Sn-122



10

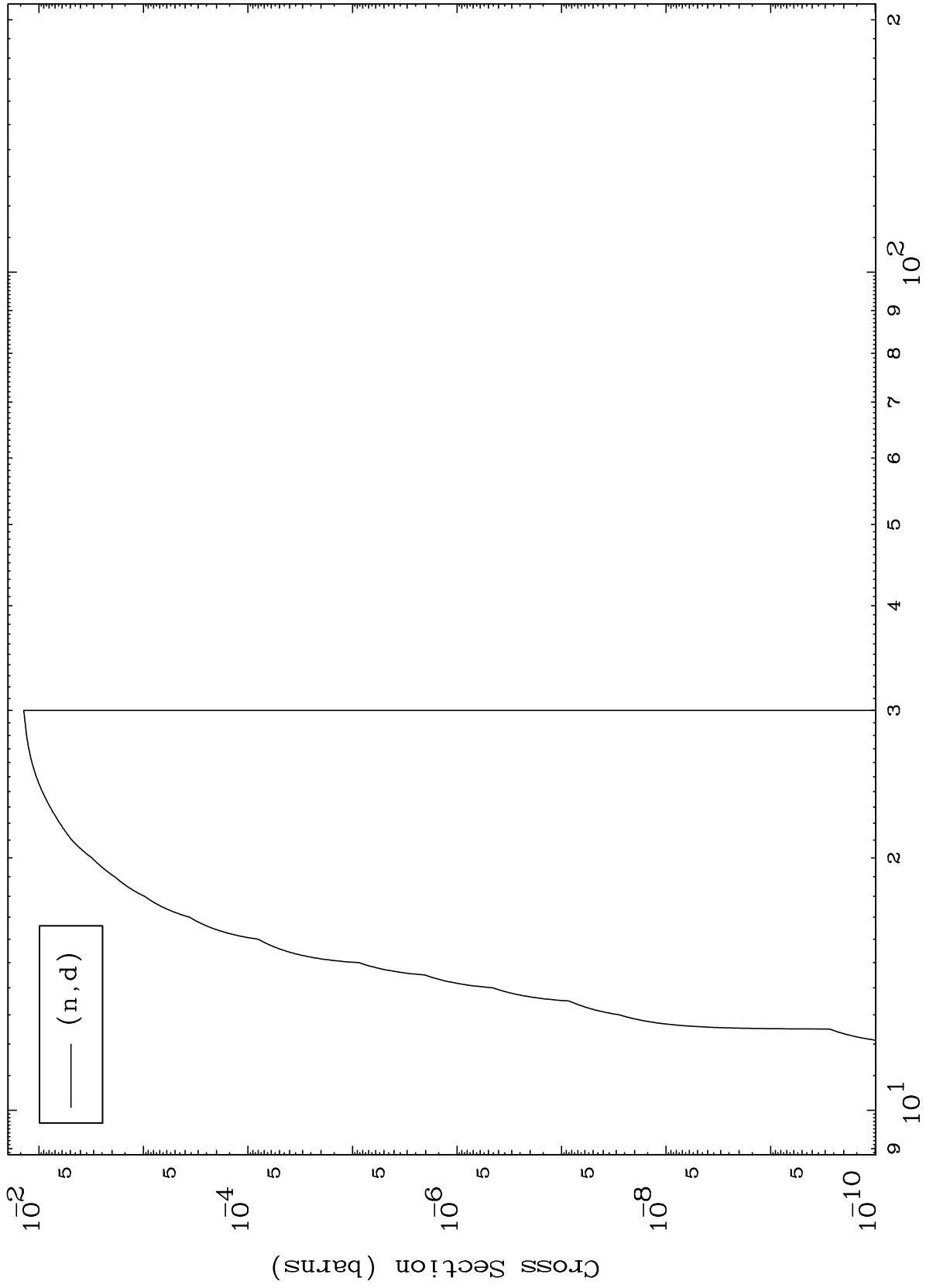
Incident Energy (MeV)

50-Sn-122

MAT 5055

(n,d) Levels  
293 Kelvin Cross Sections

50-Sn-122



11

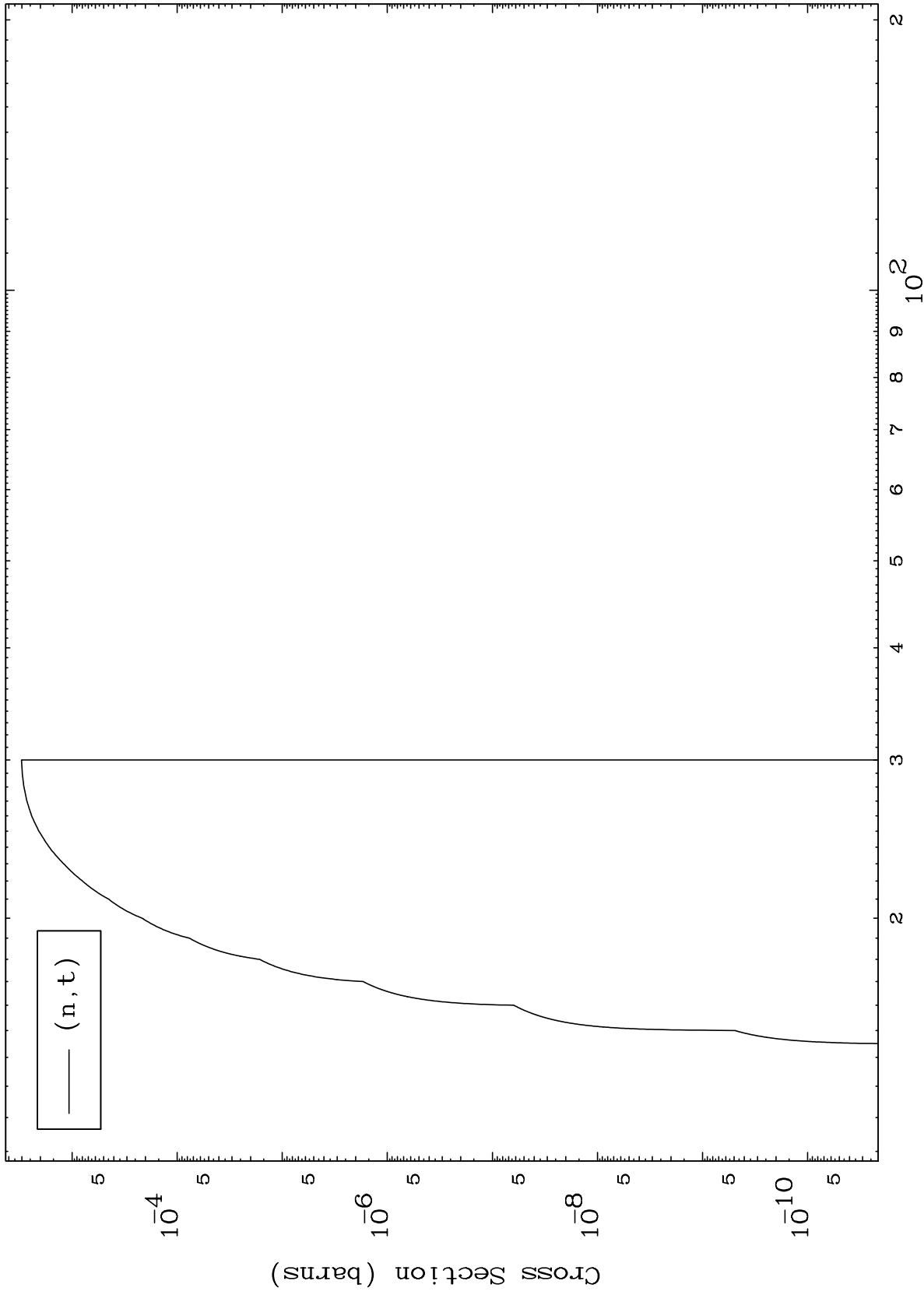
Incident Energy (MeV)

50-Sn-122

MAT 5055

(n,t) Levels  
293 Kelvin Cross Sections

50-Sn-122



12

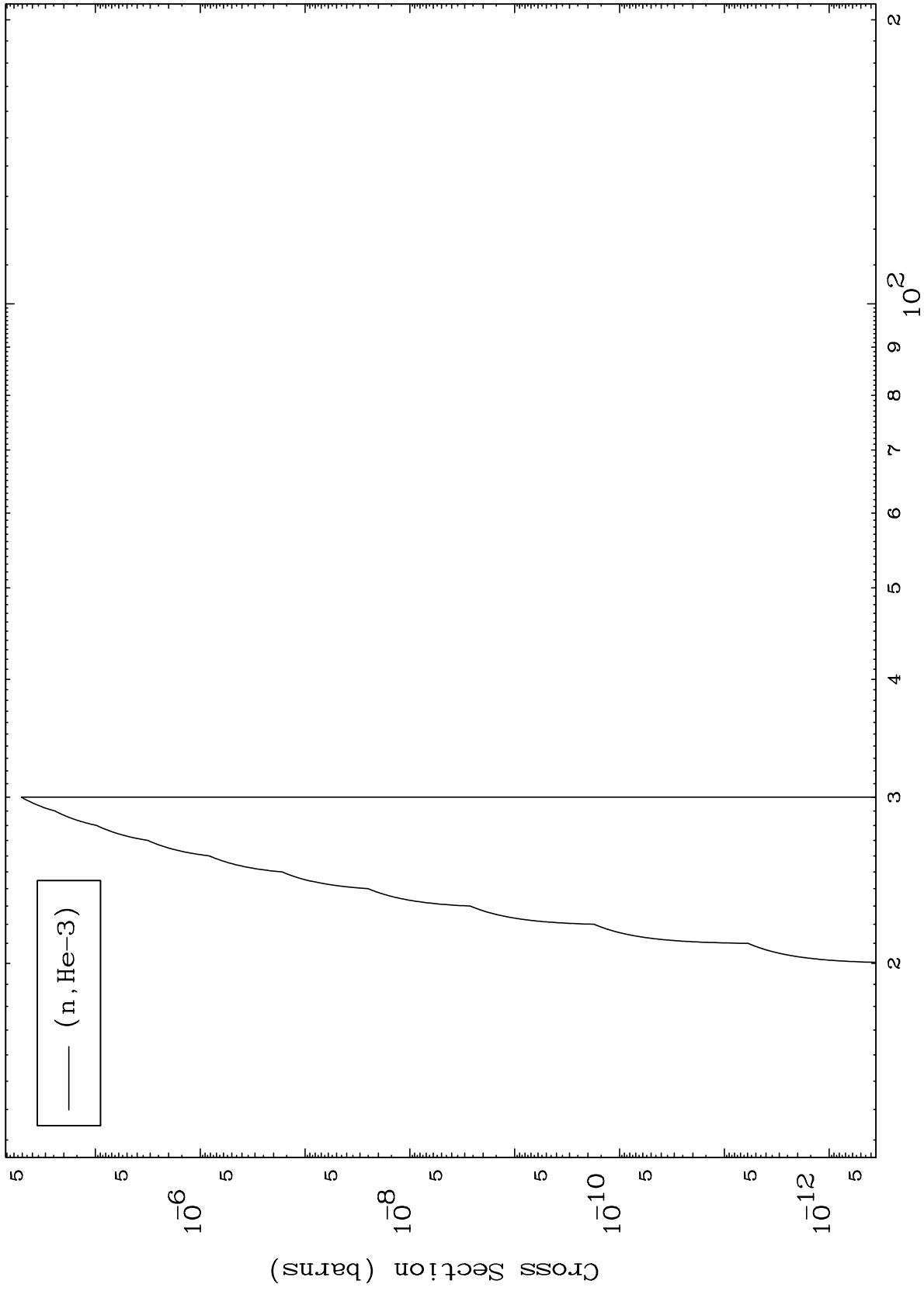
Incident Energy (MeV)

50-Sn-122

MAT 5055

(n,He3) Levels  
293 Kelvin Cross Sections

50-Sn-122



13

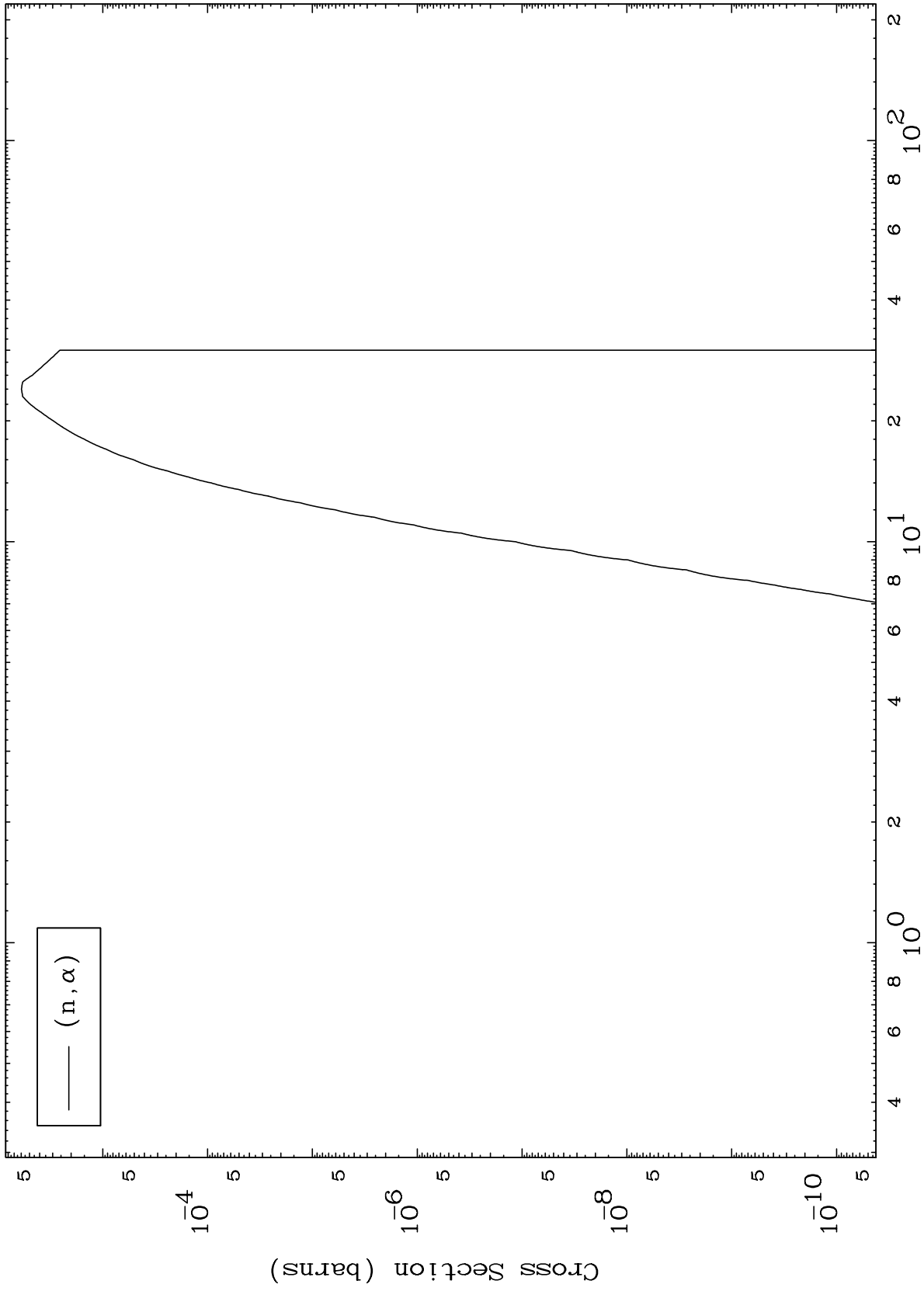
Incident Energy (MeV)

50-Sn-122

MAT 5055

(n,α) Levels  
293 Kelvin Cross Sections

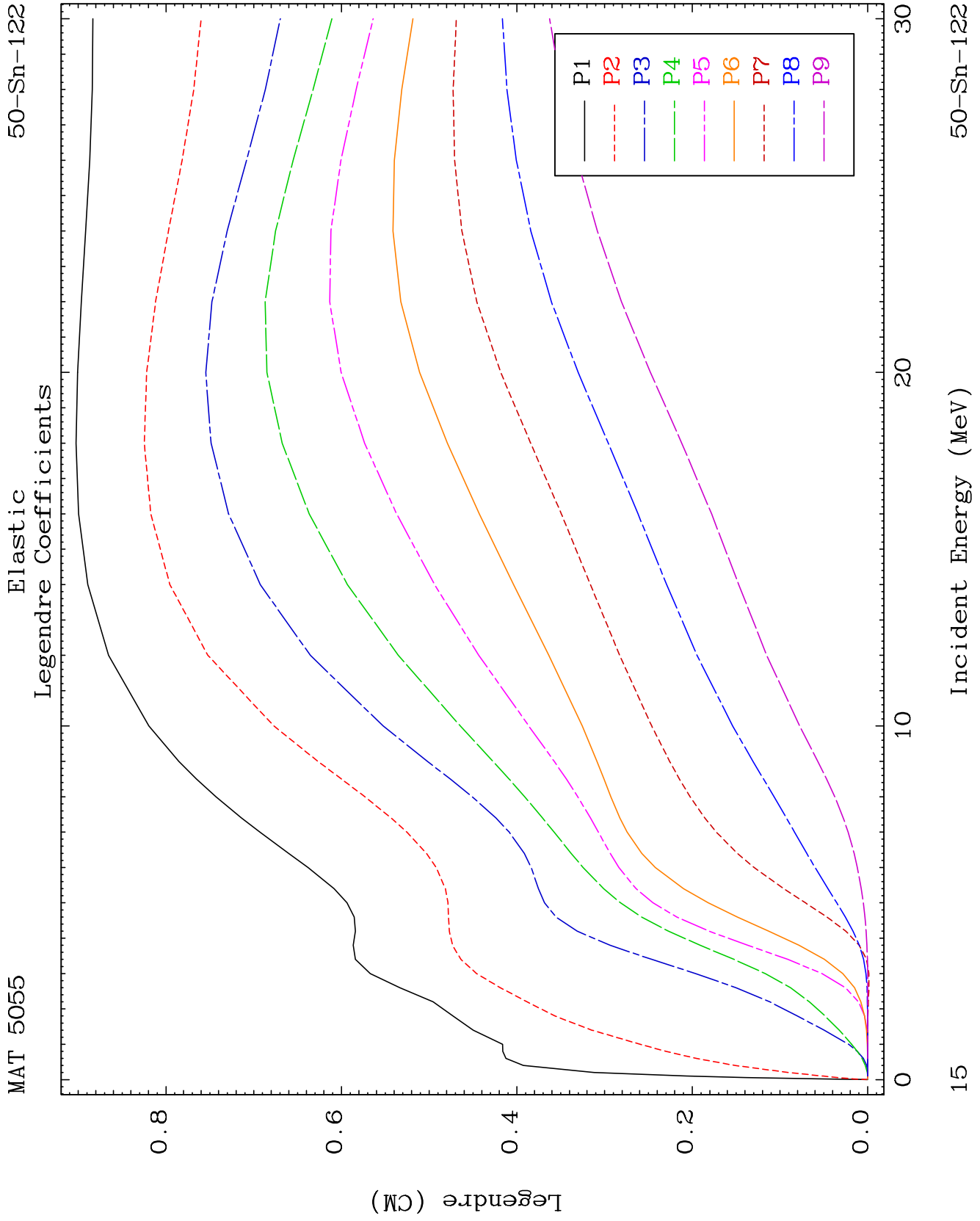
50-Sn-122



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Incident Energy (MeV)

50-Sn-122

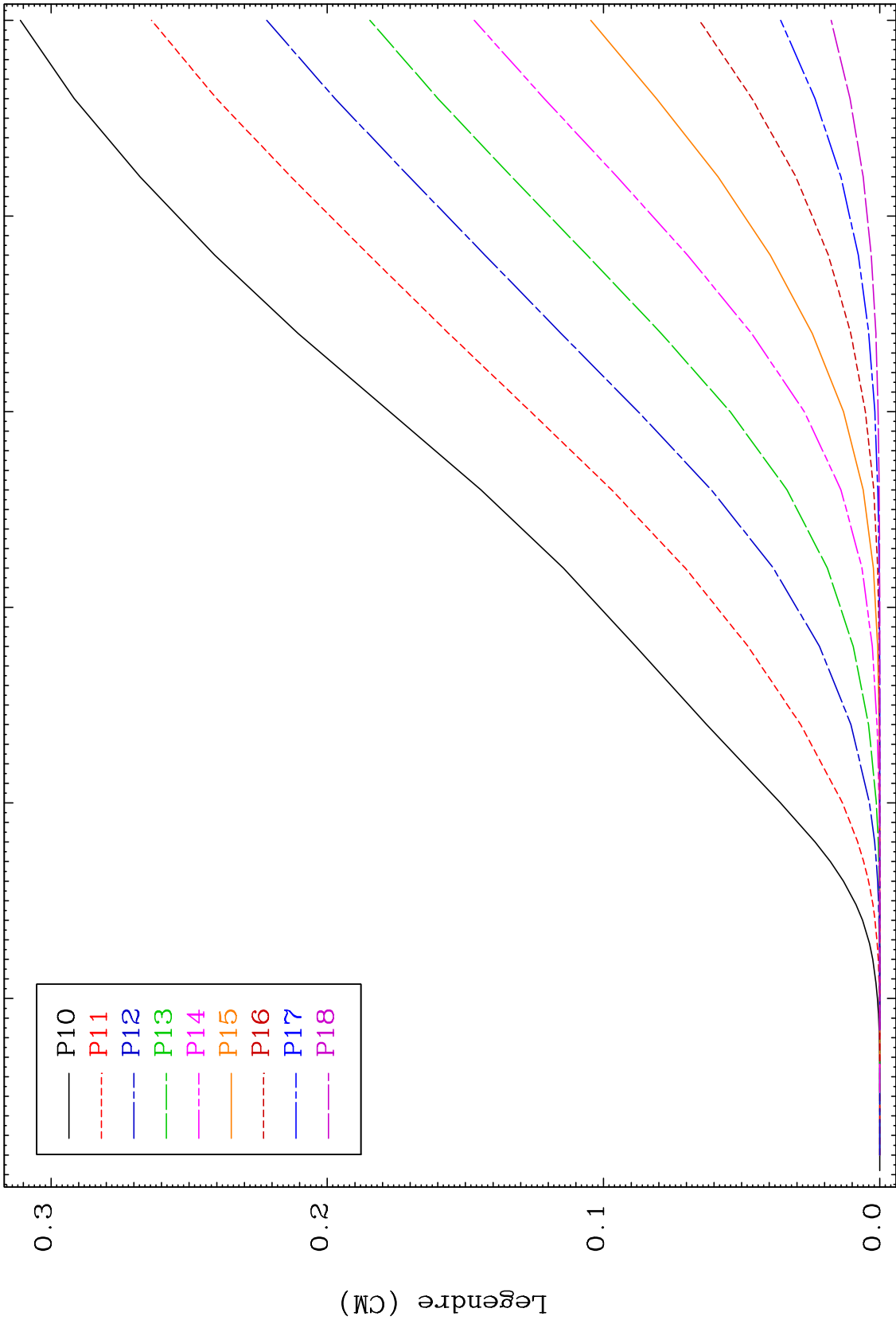




MAT 5055

Elastic Legendre Coefficients

50-Sn-122



16

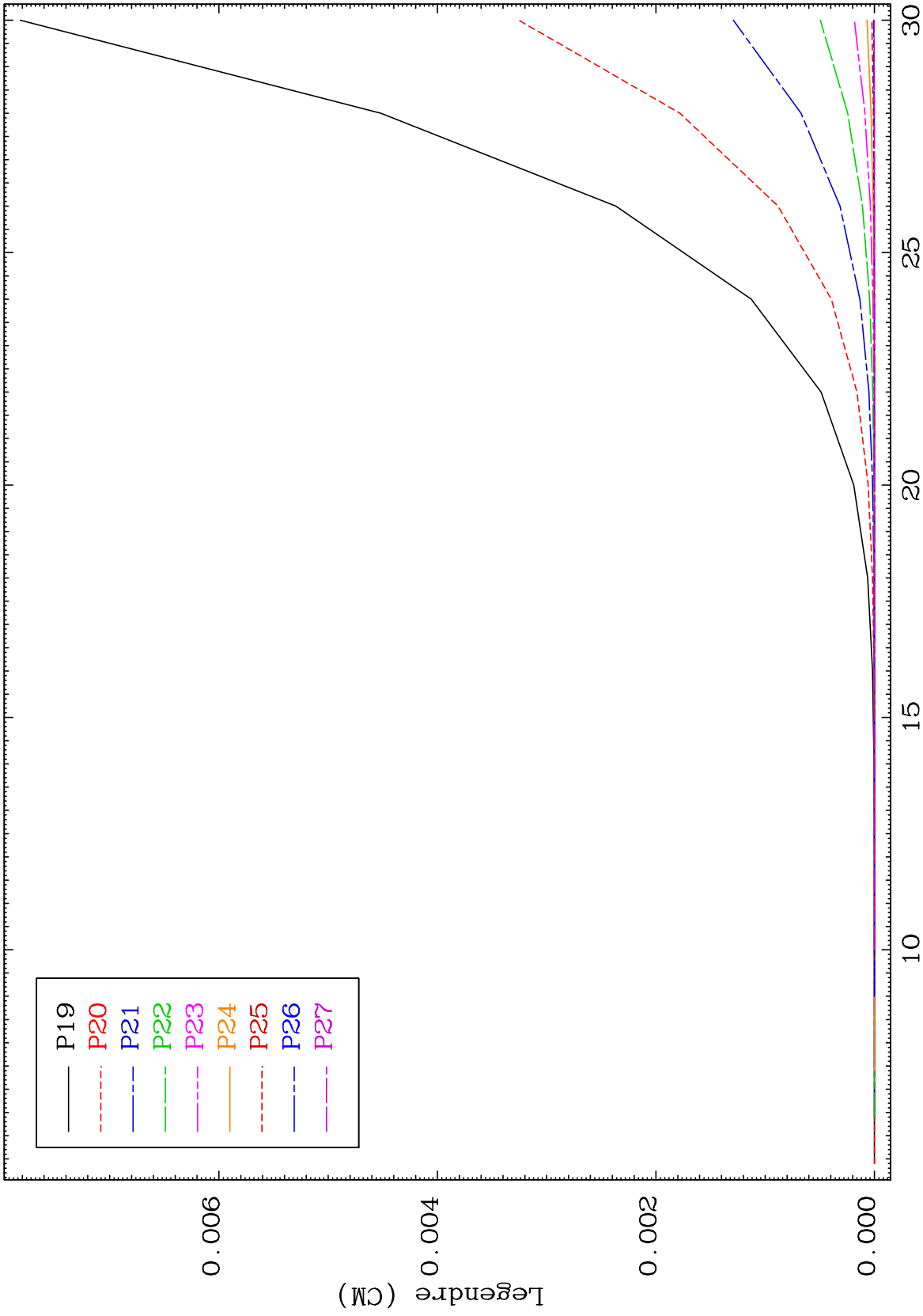
Incident Energy (MeV)

50-Sn-122

MAT 5055

Elastic Legendre Coefficients

50-Sn-122



17

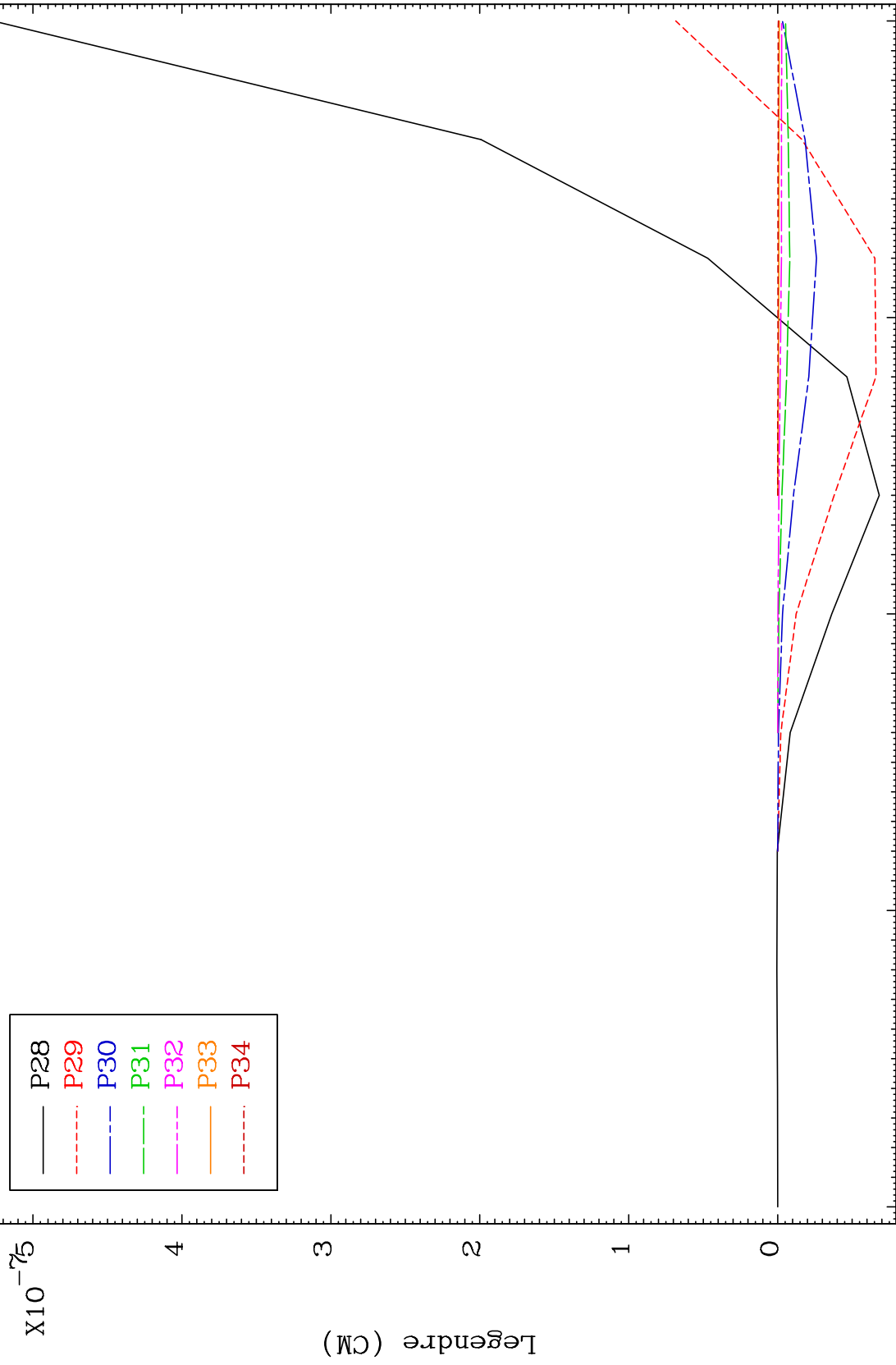
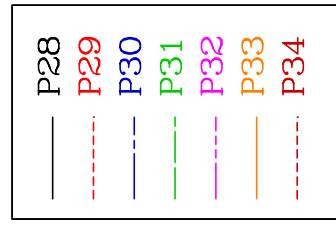
Incident Energy (MeV)

50-Sn-122

MAT 5055

Elastic Legendre Coefficients

50-Sn-122



10

15

20

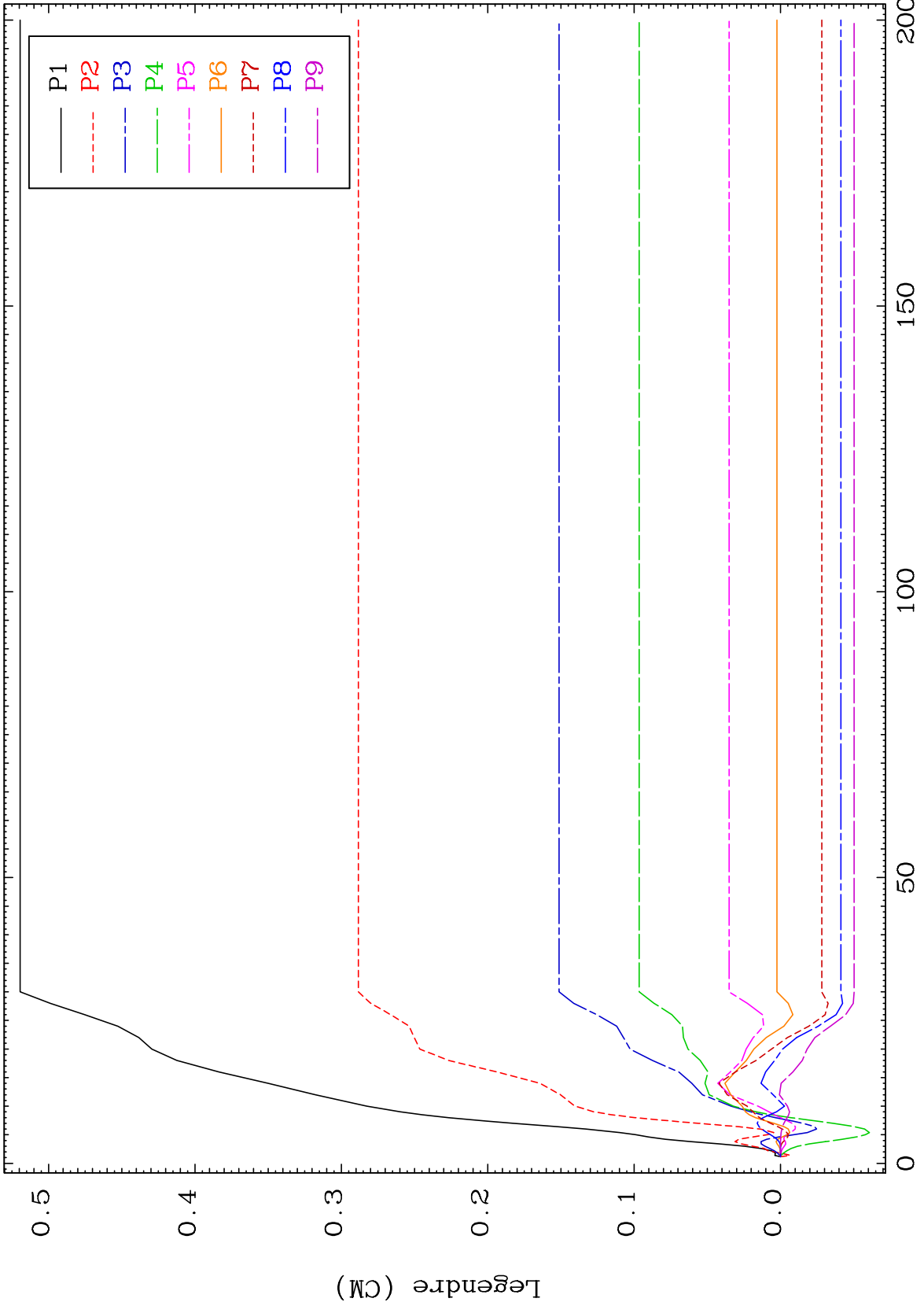
25

30

Incident Energy (MeV)

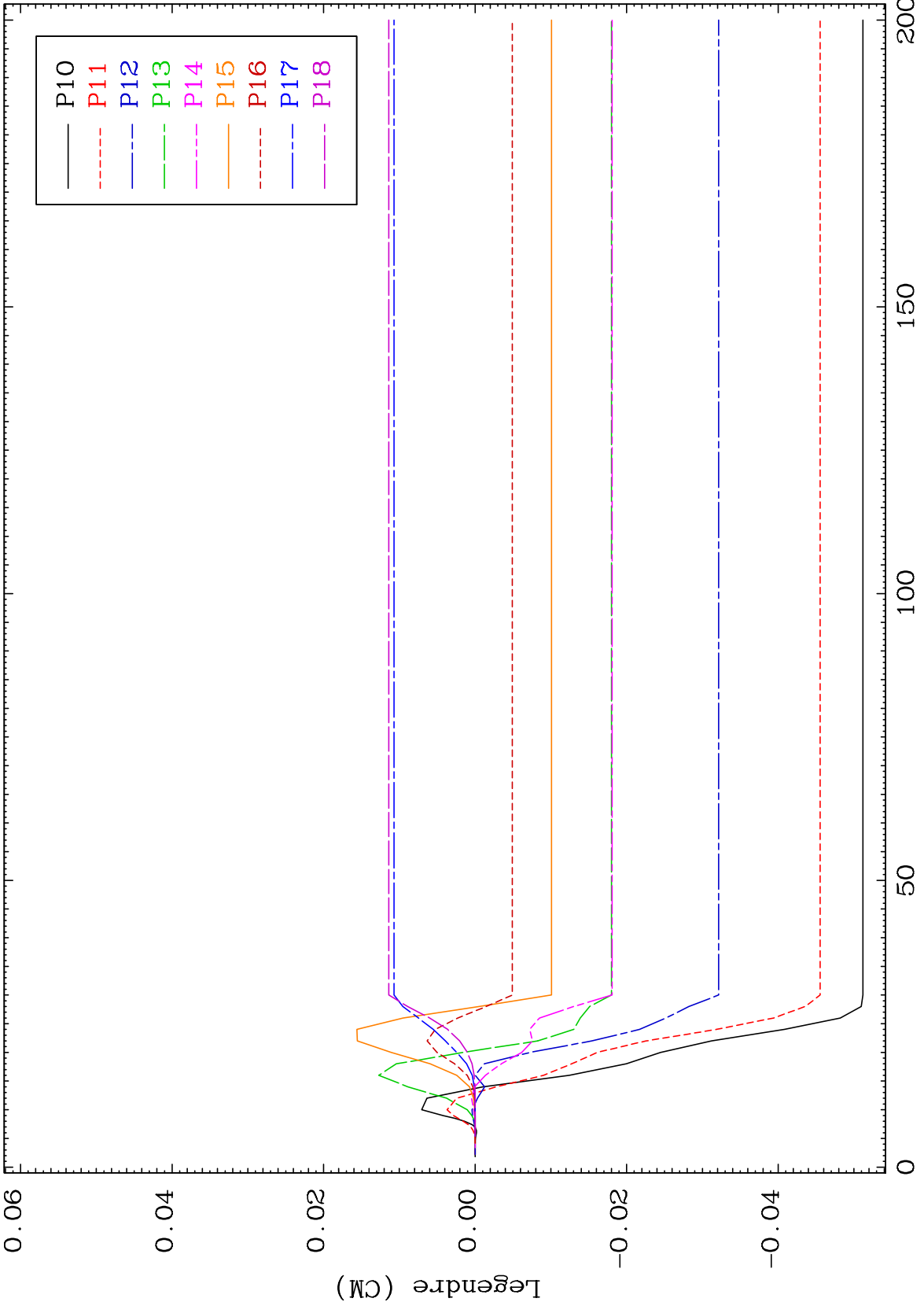
50-Sn-122

MAT 5055 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-122



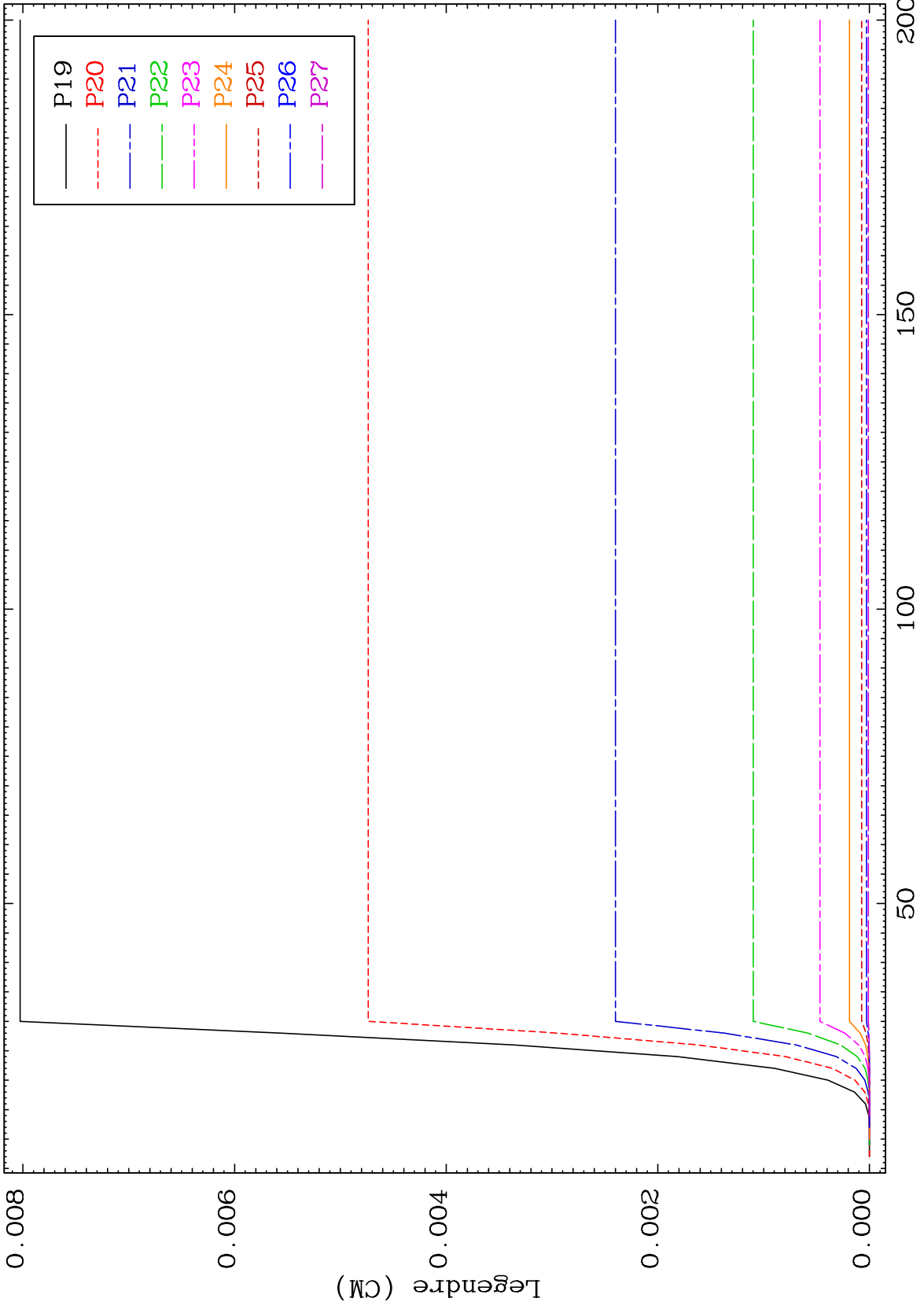
19 Incident Energy (MeV) 50-Sn-122

MAT 5055 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-122



Legendre (CM) Incident Energy (MeV) 50-Sn-122

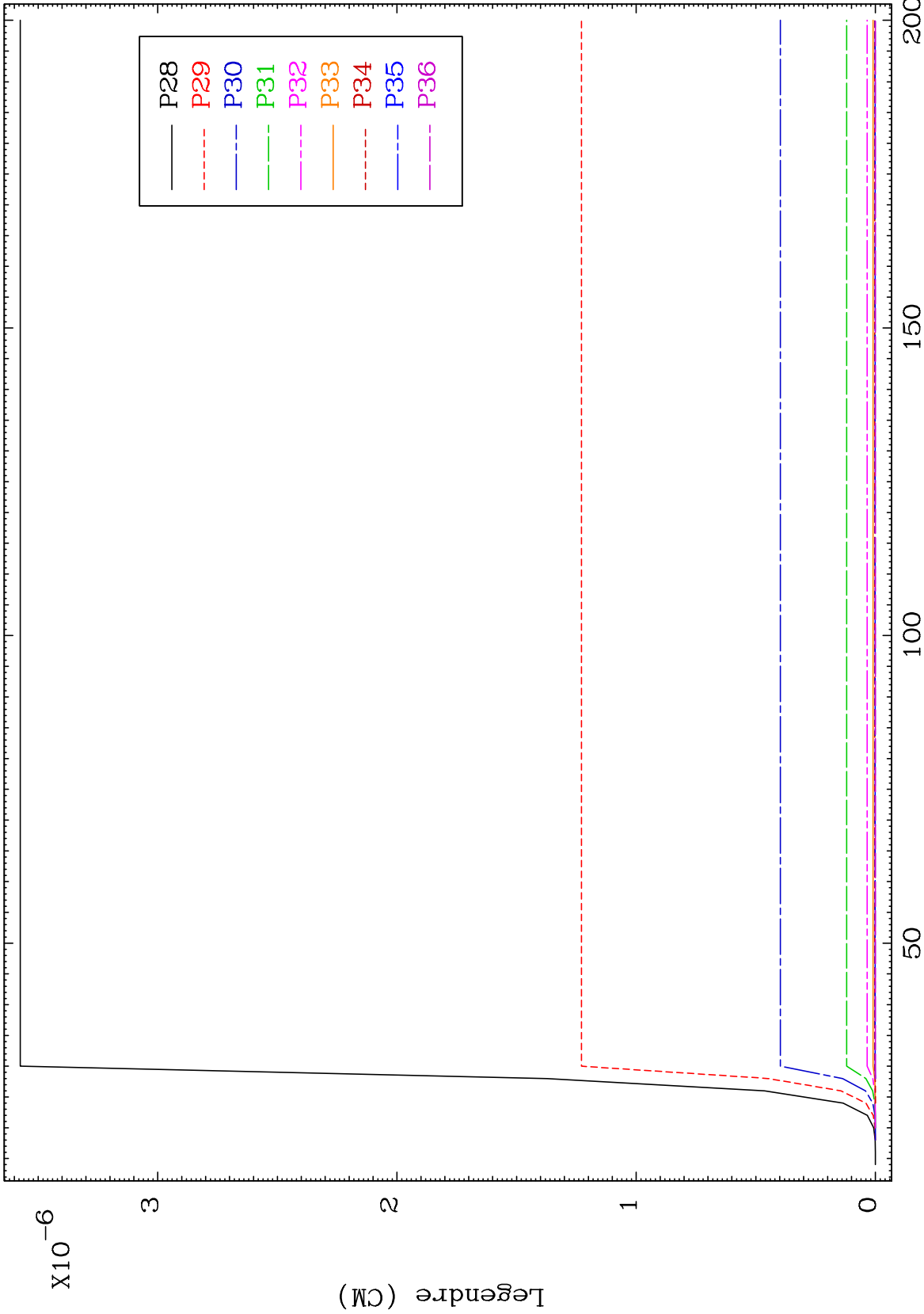
MAT 5055 MT= 51 (n,n') Level Legendre Coefficients 50-Sn-122



MAT 5055

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

50-Sn-122

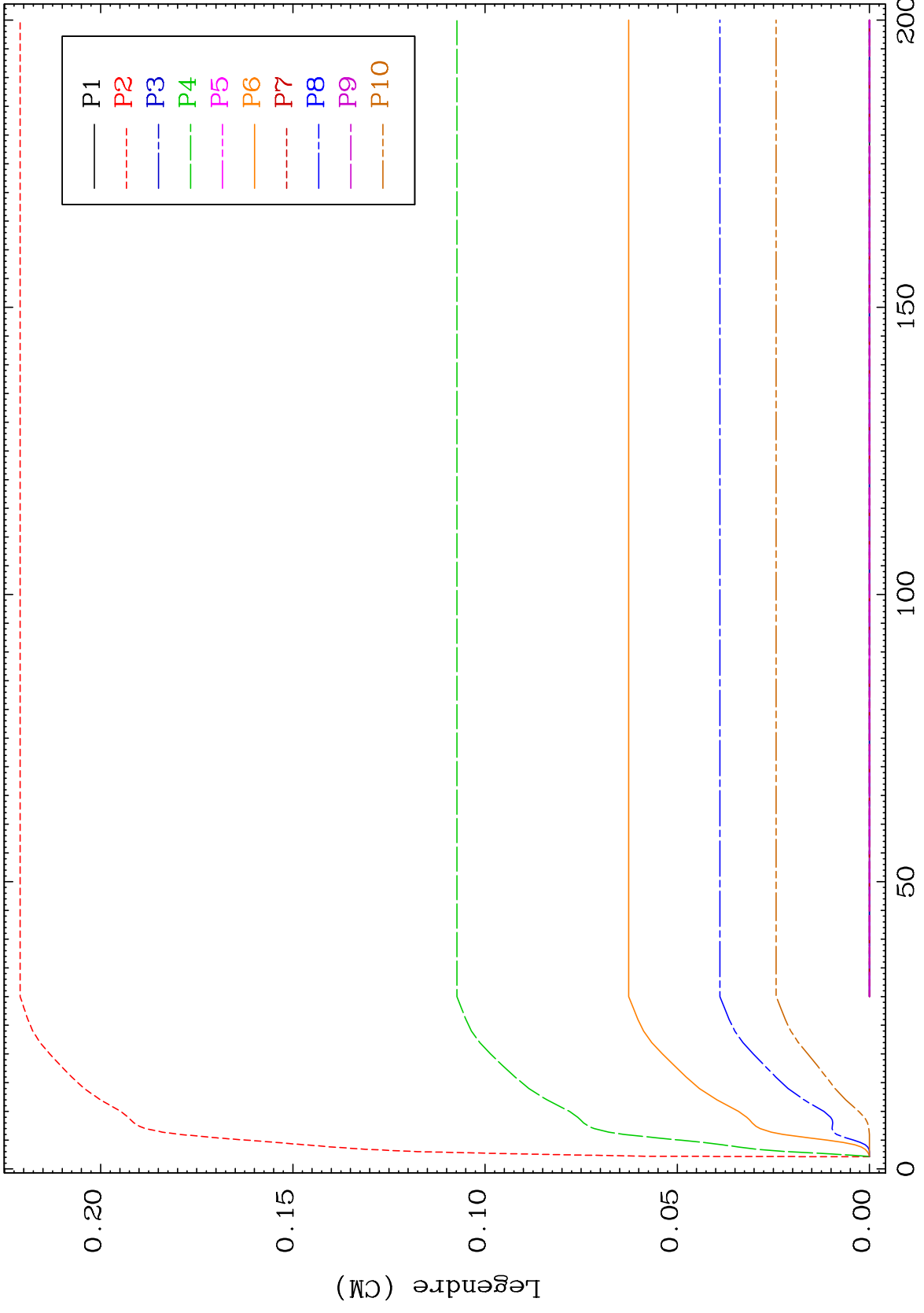


22

Incident Energy (MeV)

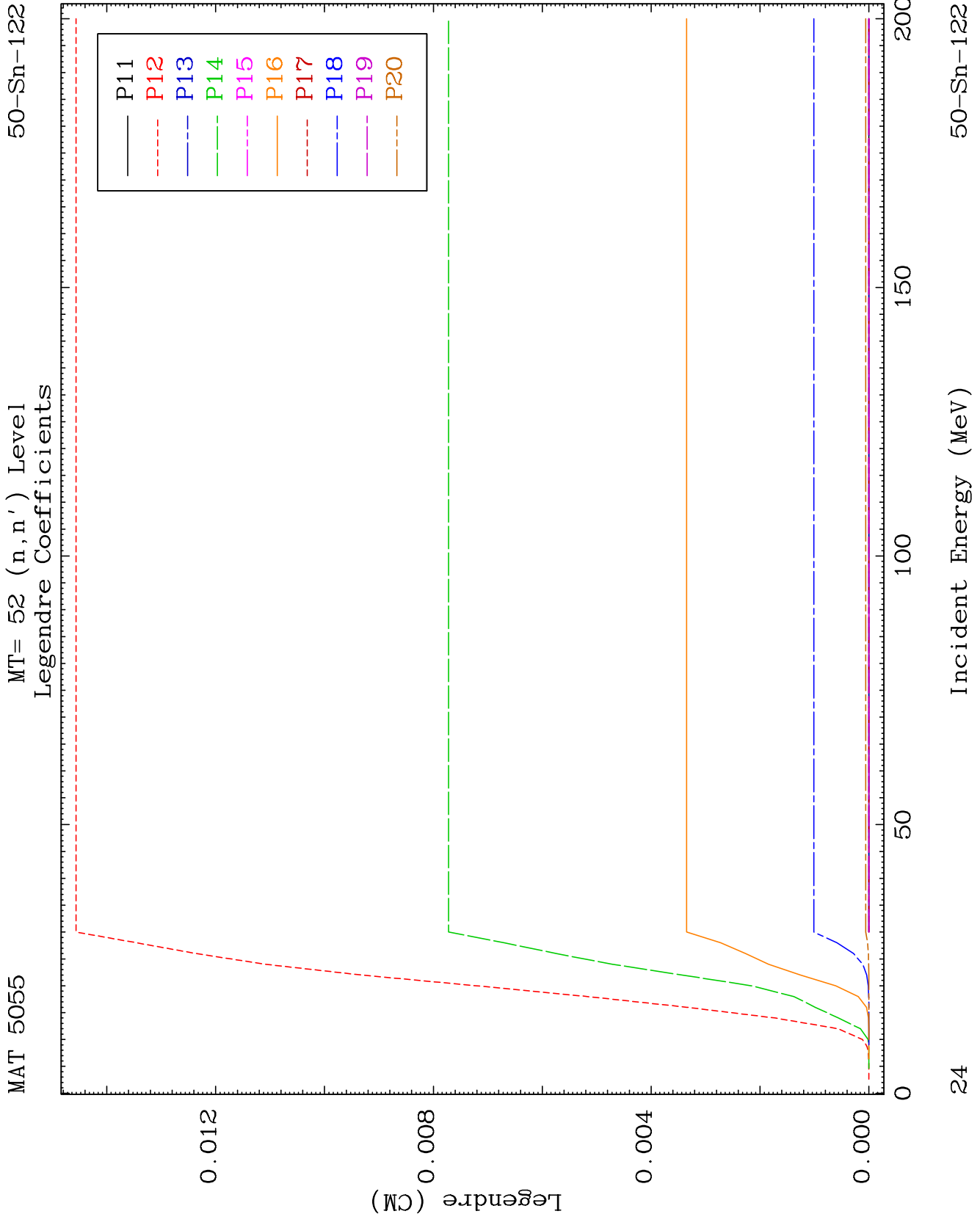
50-Sn-122

MAT 5055 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-122

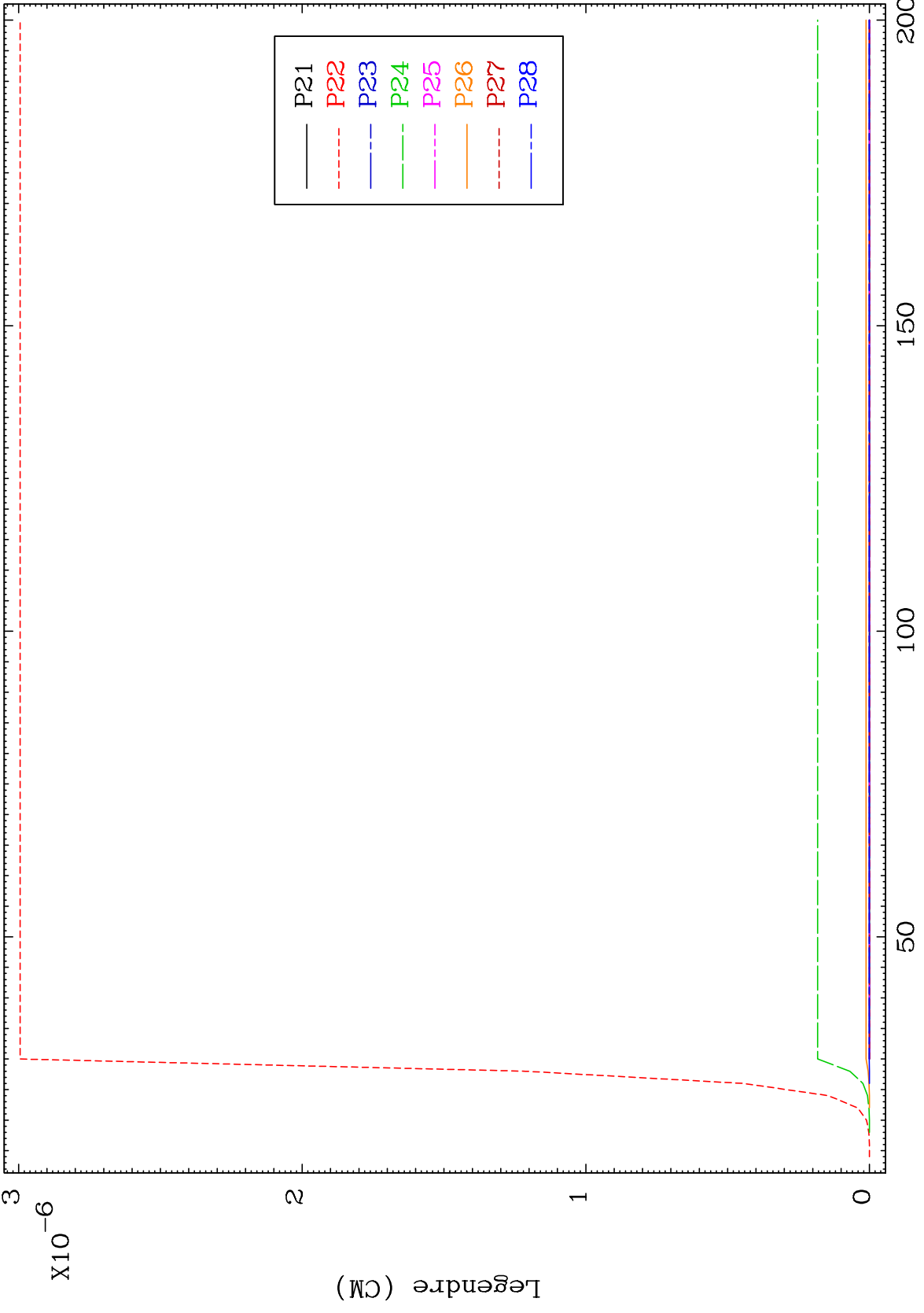


23 50-Sn-122



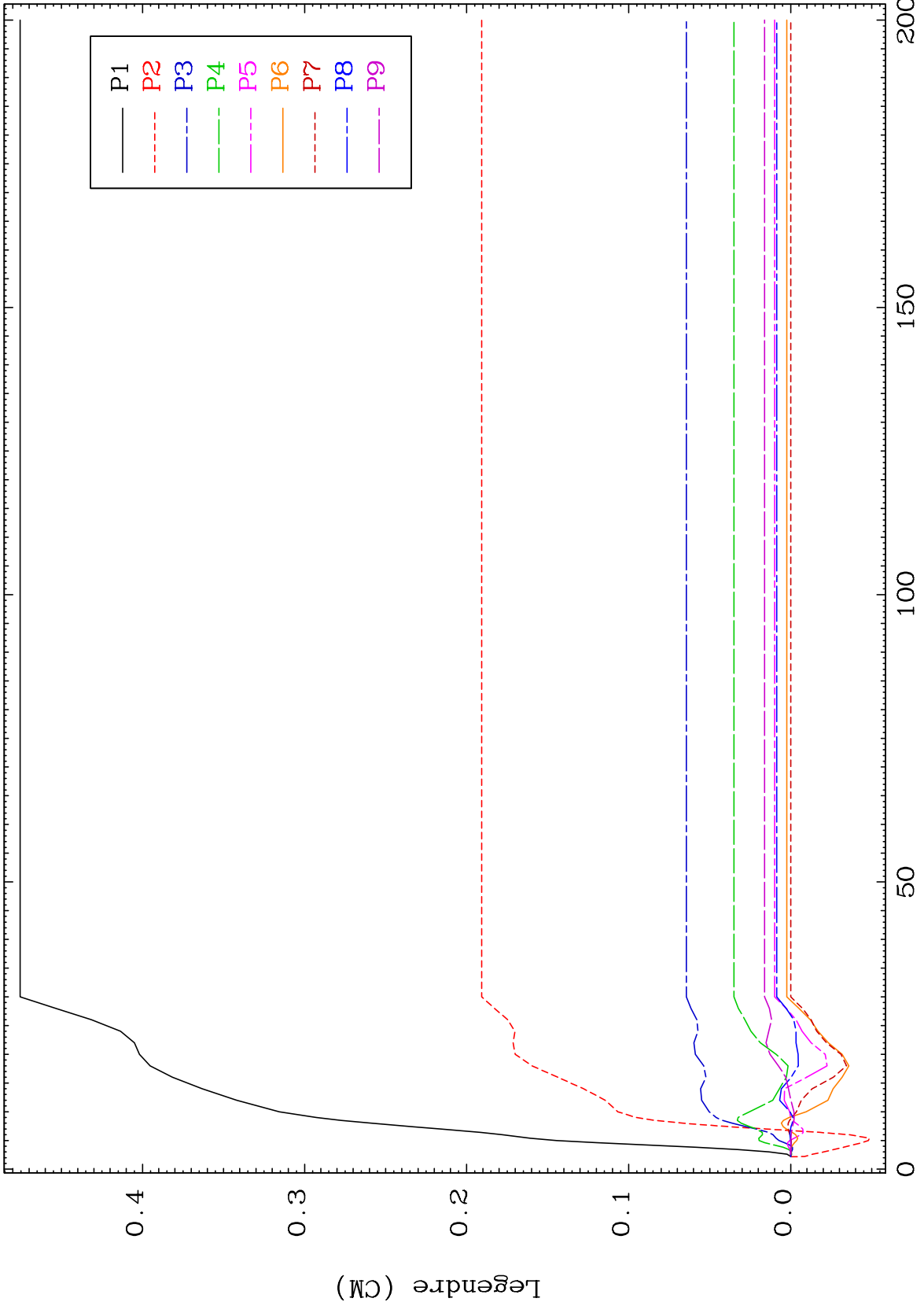


MAT 5055 MT= 52 (n,n') Level Legendre Coefficients 50-Sn-122



50-Sn-122

MAT 5055 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-122

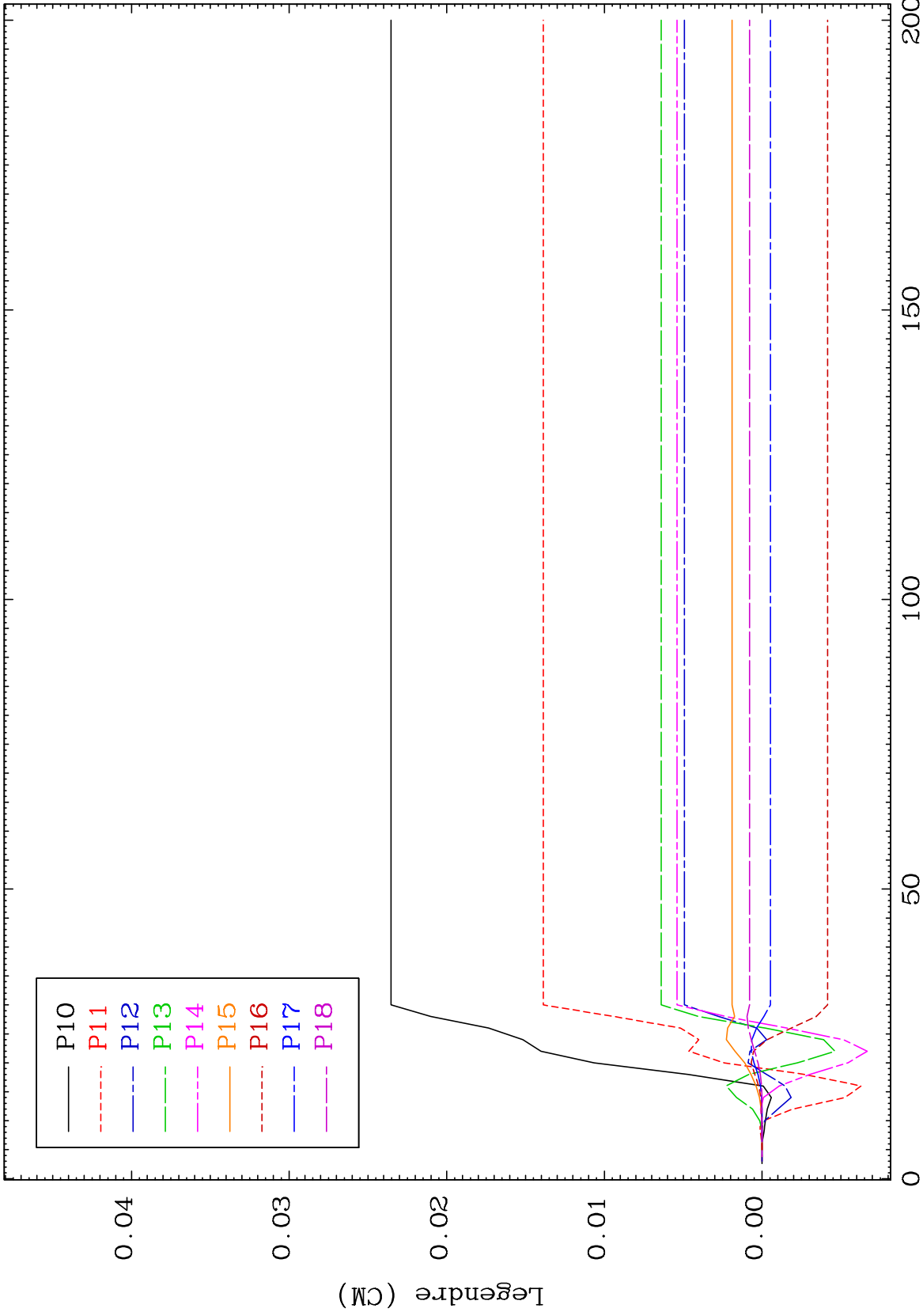


26 Incident Energy (MeV) 50-Sn-122

MAT 5055

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

50-Sn-122

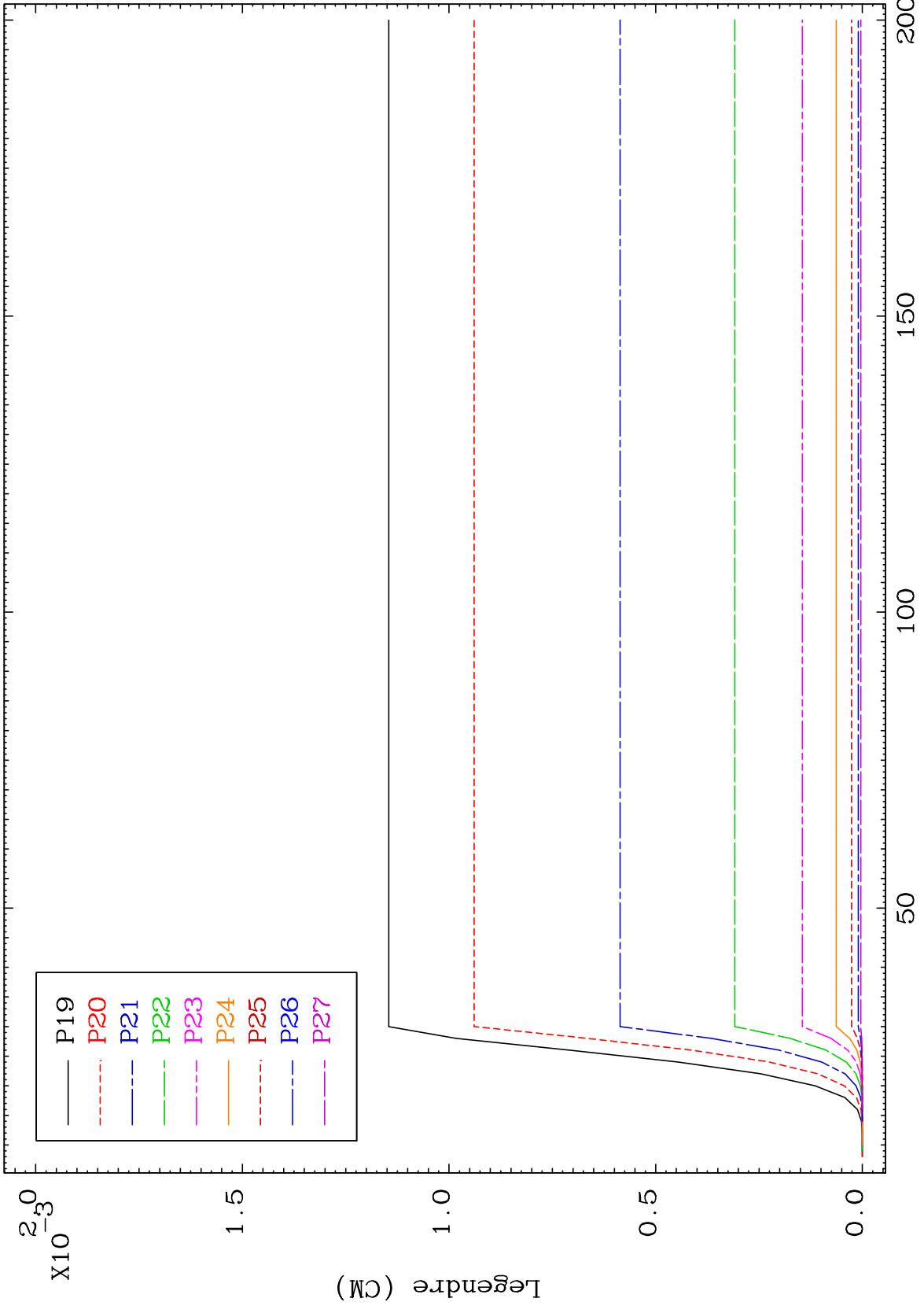


27

Incident Energy (MeV)

50-Sn-122

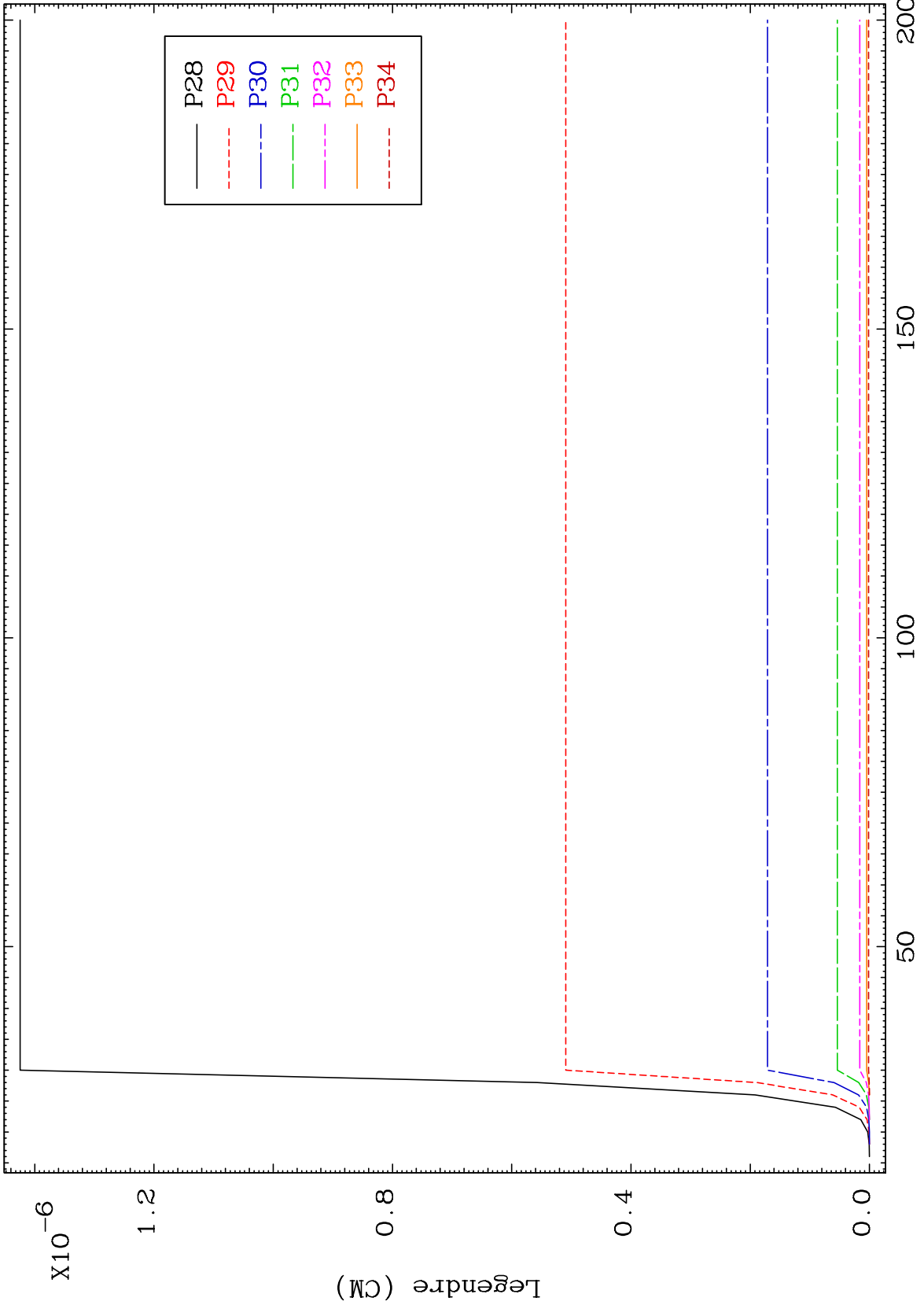
MAT 5055 MT= 53 (n,n') Level Legendre Coefficients 50-Sn-122



MAT 5055

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

50-Sn-122

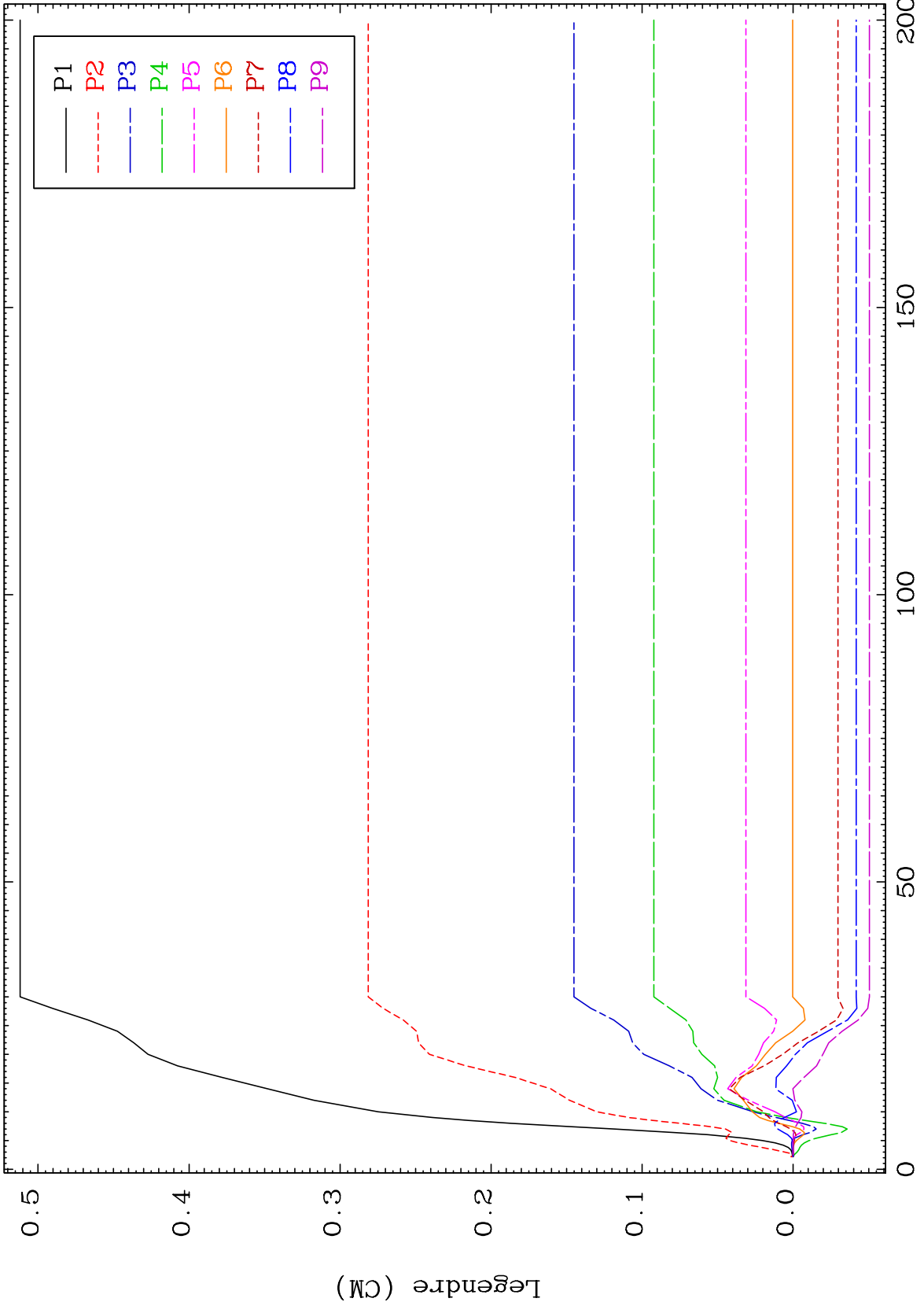


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Incident Energy (MeV)

50-Sn-122

MAT 5055 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-122

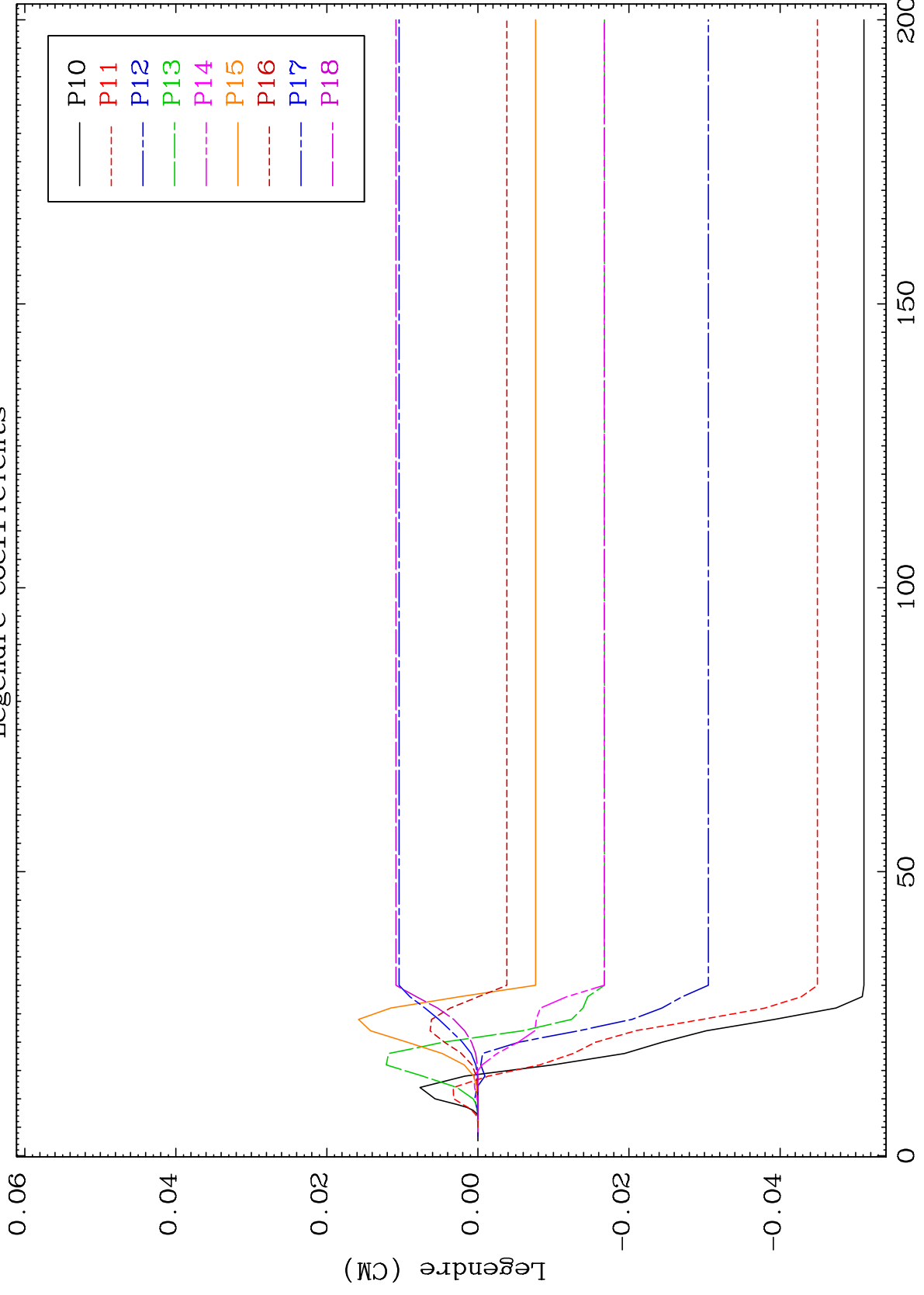


Legendre (CM) Incident Energy (MeV) 50-Sn-122

MAT 5055 MT= 54 (n,n') Level Legendre Coefficients

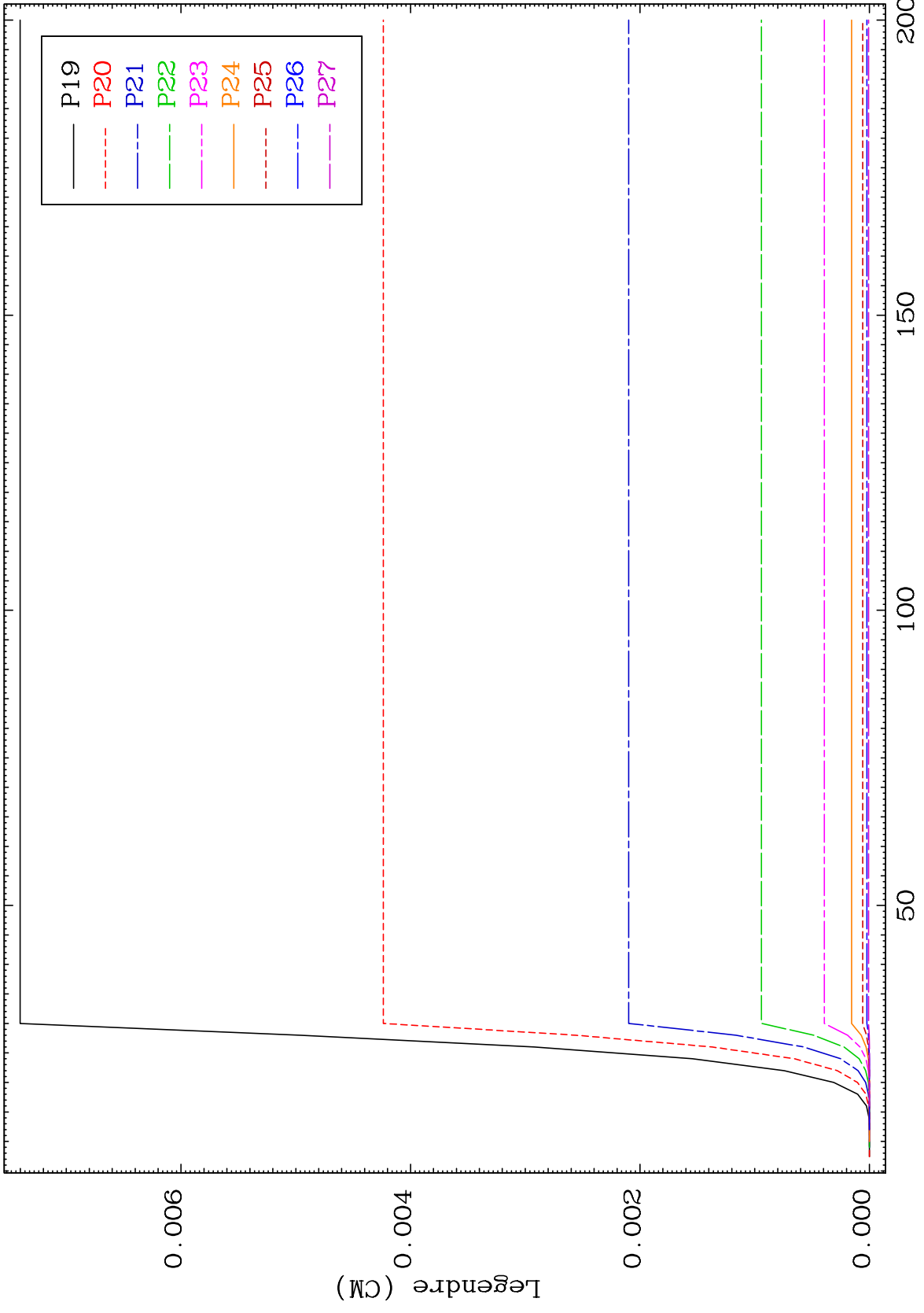
50-Sn-122

50-Sn-122





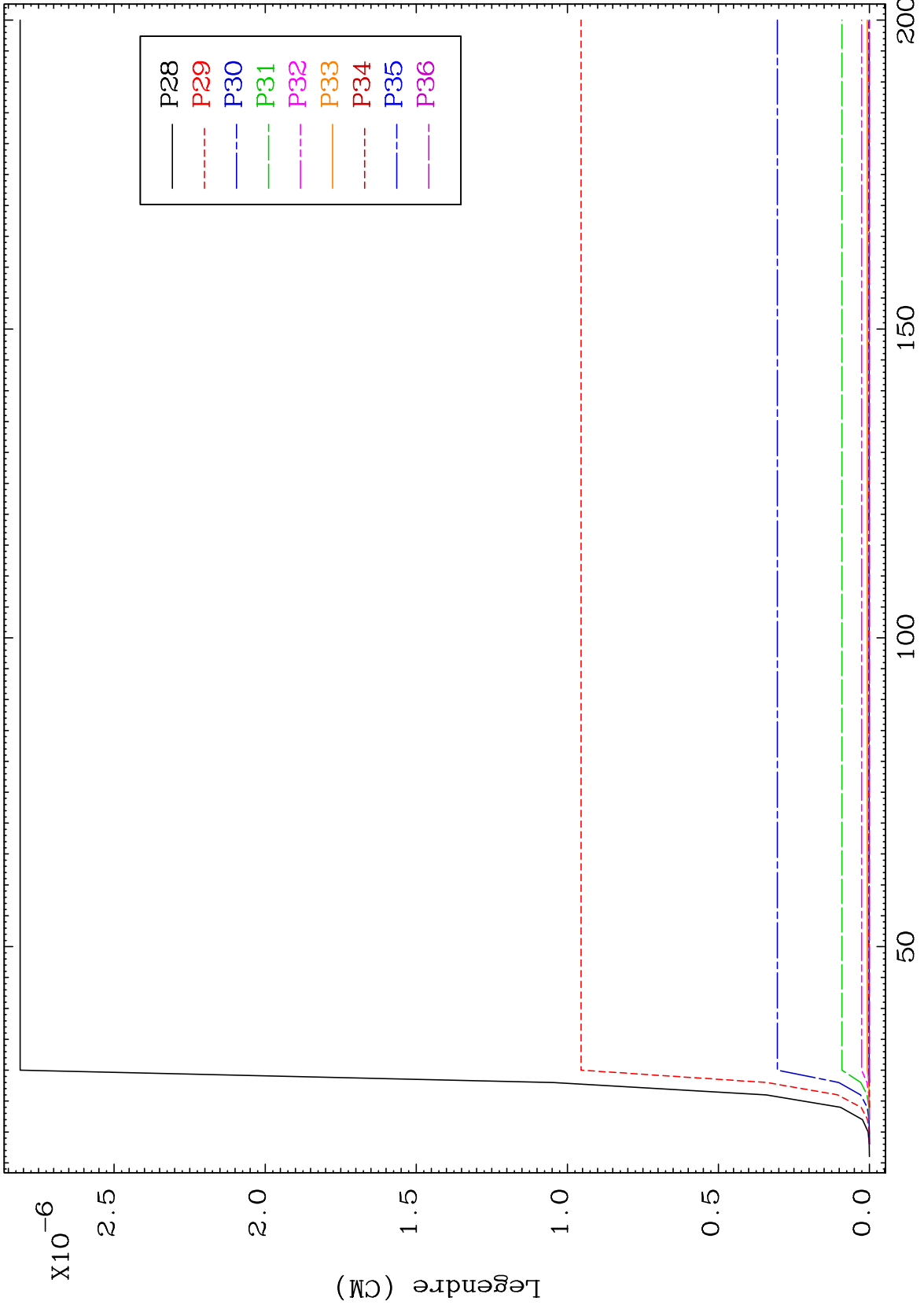
MAT 5055 MT= 54 (n,n') Level Legendre Coefficients 50-Sn-122



MAT 5055

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

50-Sn-122

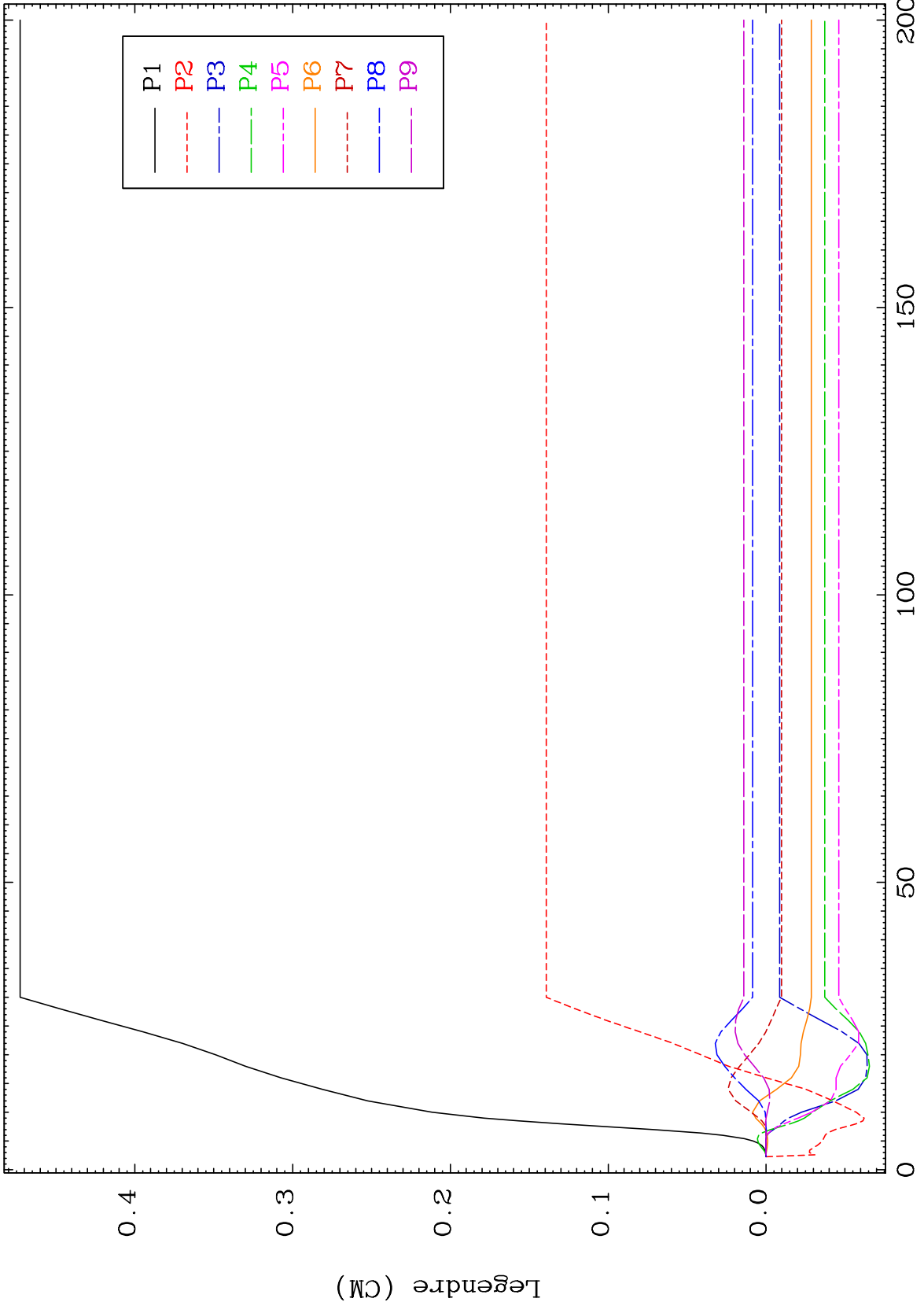


33

Incident Energy (MeV)

50-Sn-122

MAT 5055 MT= 55 (n,n') Level Legendre Coefficients 50-Sn-122

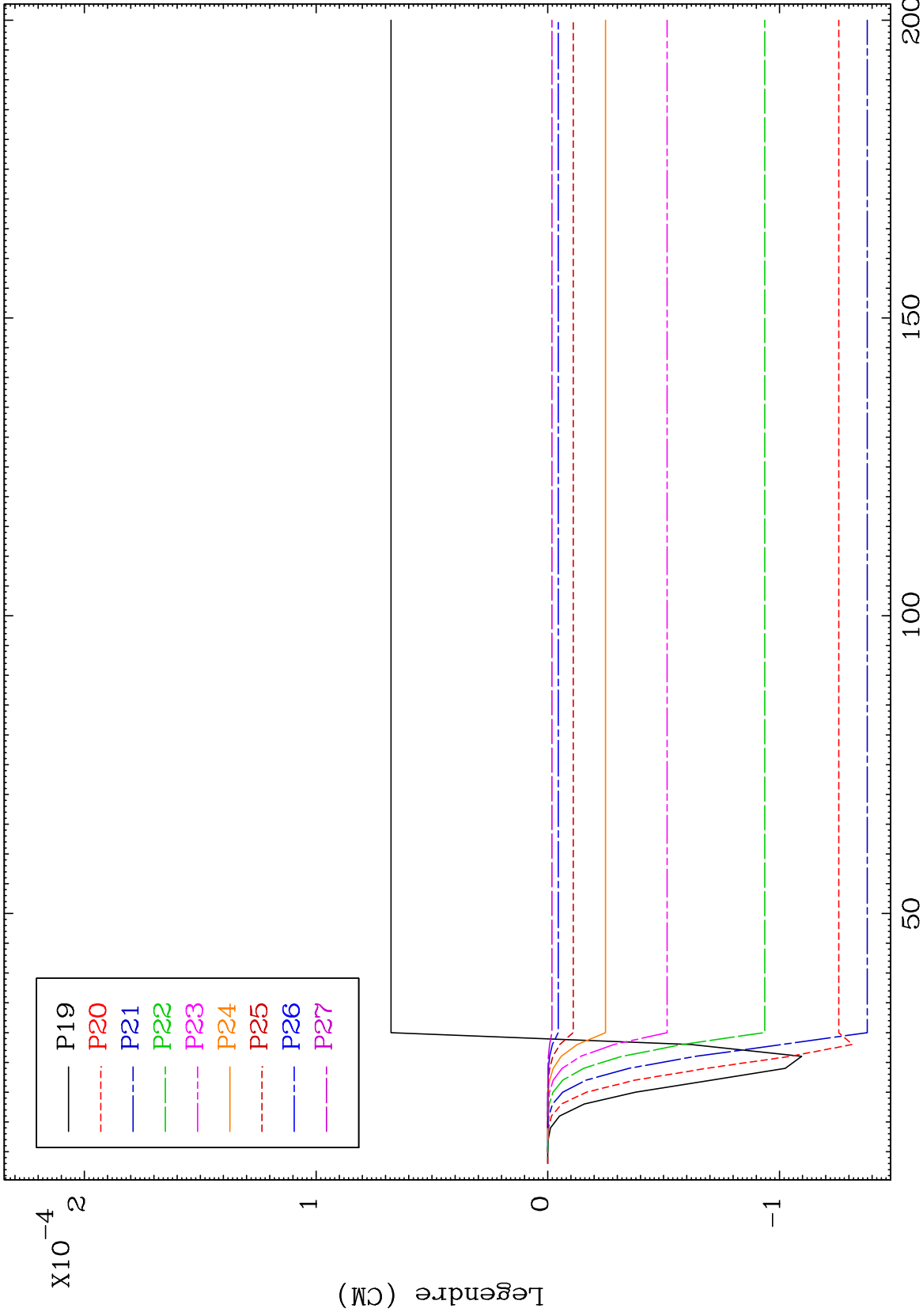




MAT 5055

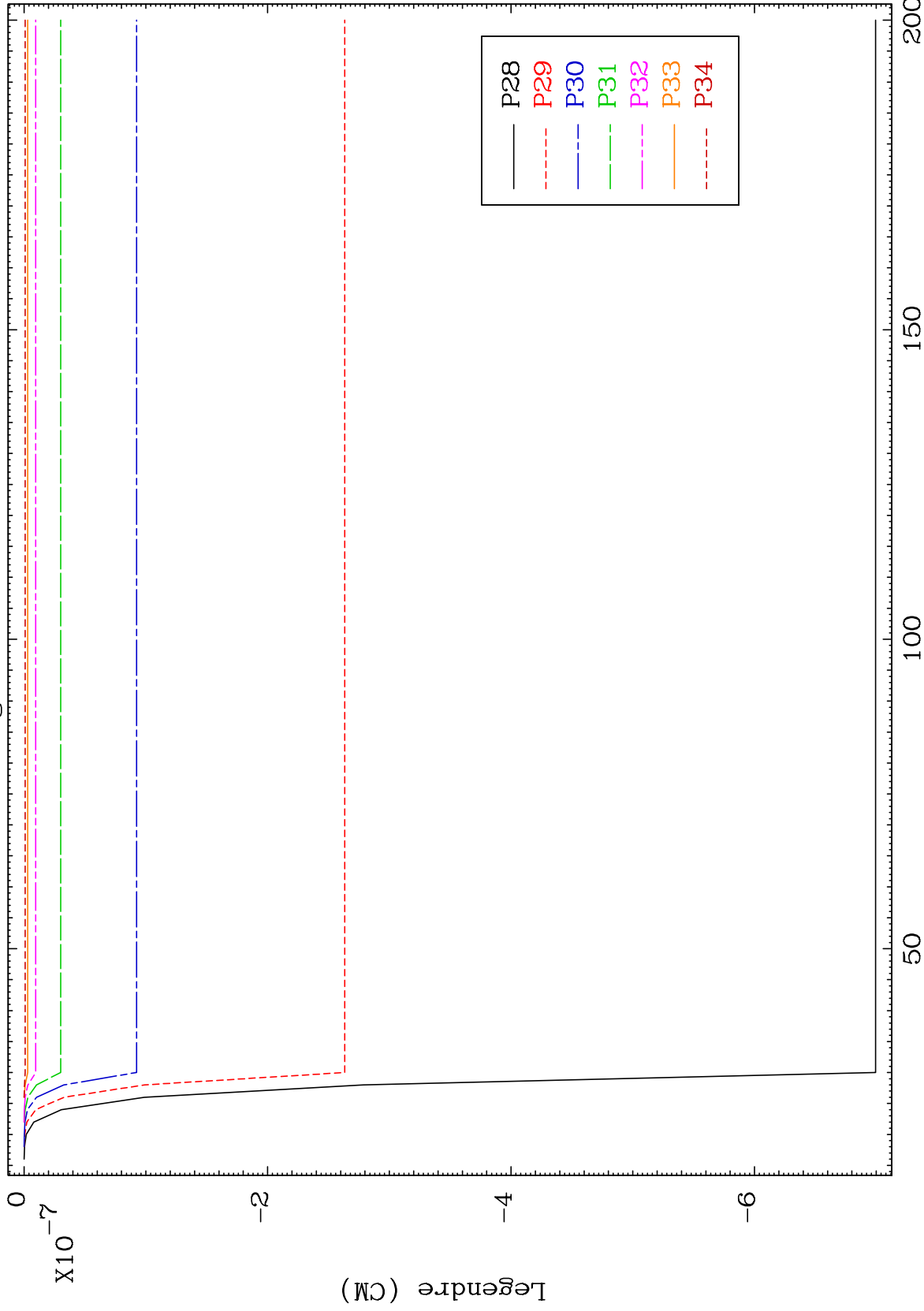
MT= 55 (n,n') Level  
Legendre Coefficients

50-Sn-122



MAT 5055 MT= 55 (n,n') Level 50-Sn-122

Legendre Coefficients

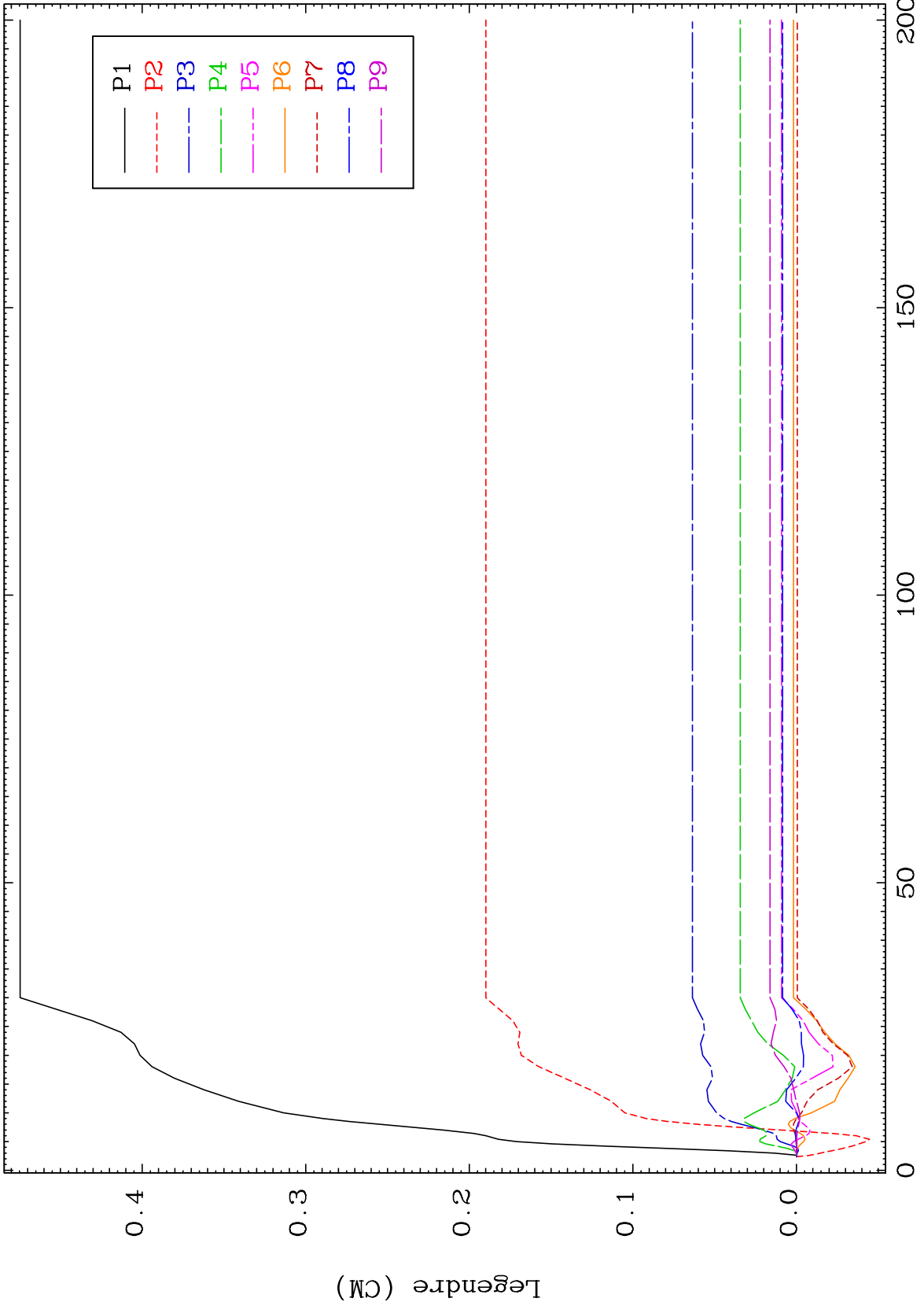


37

50-Sn-122

50-Sn-122

MAT 5055 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-122

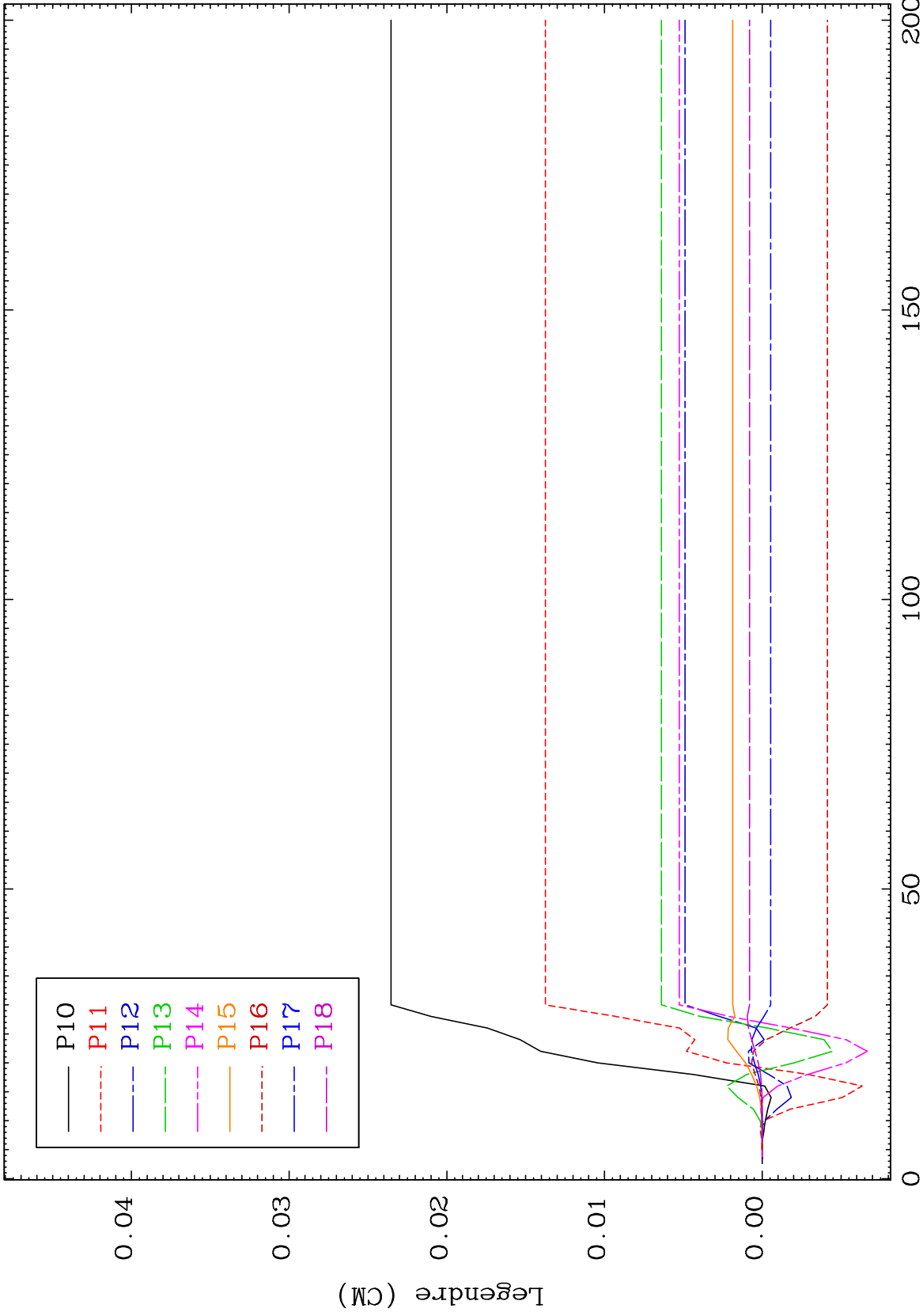


38 Incident Energy (MeV) 50-Sn-122

MAT 5055

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

50-Sn-122



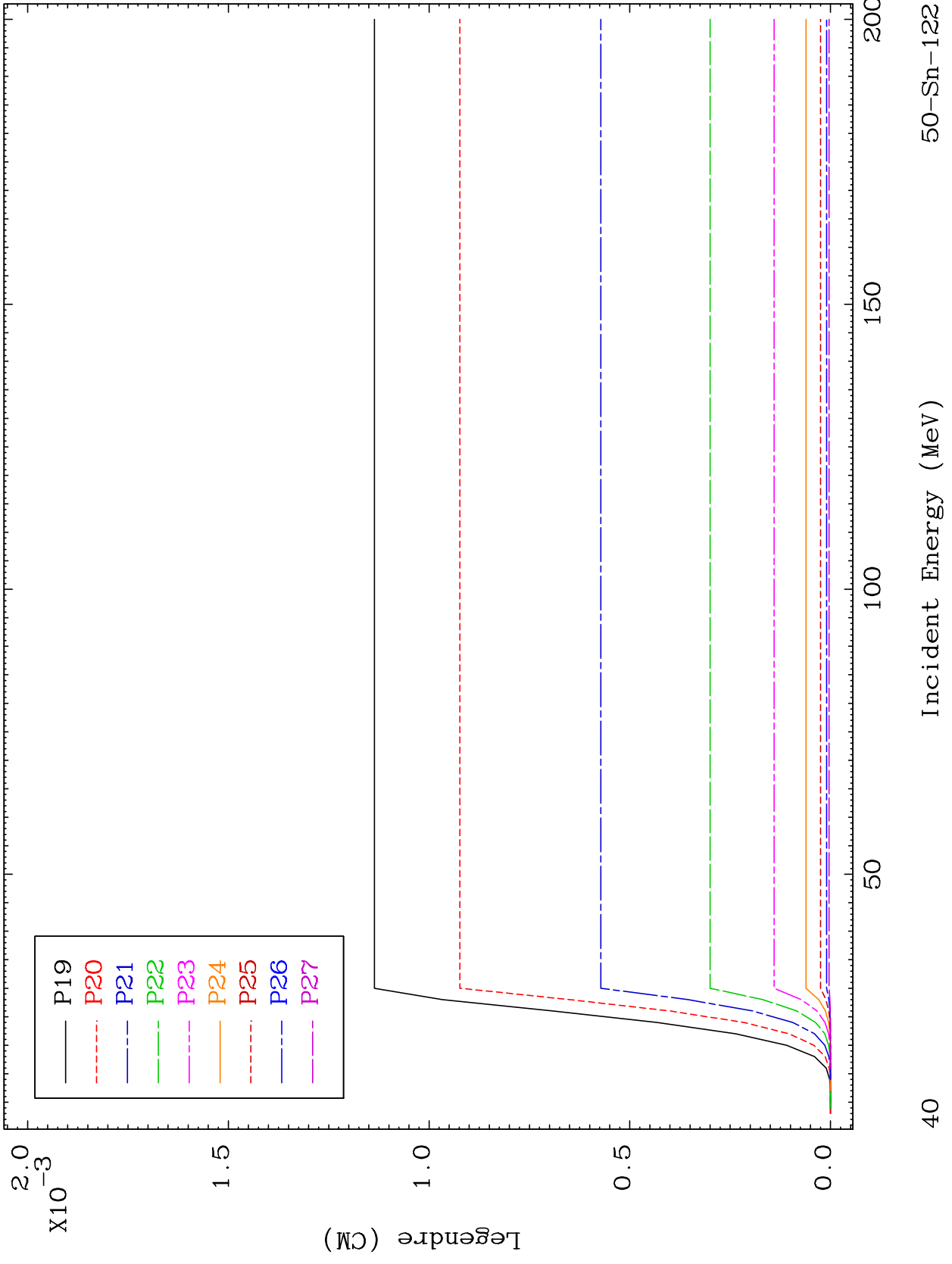
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Incident Energy (MeV)

50-Sn-122



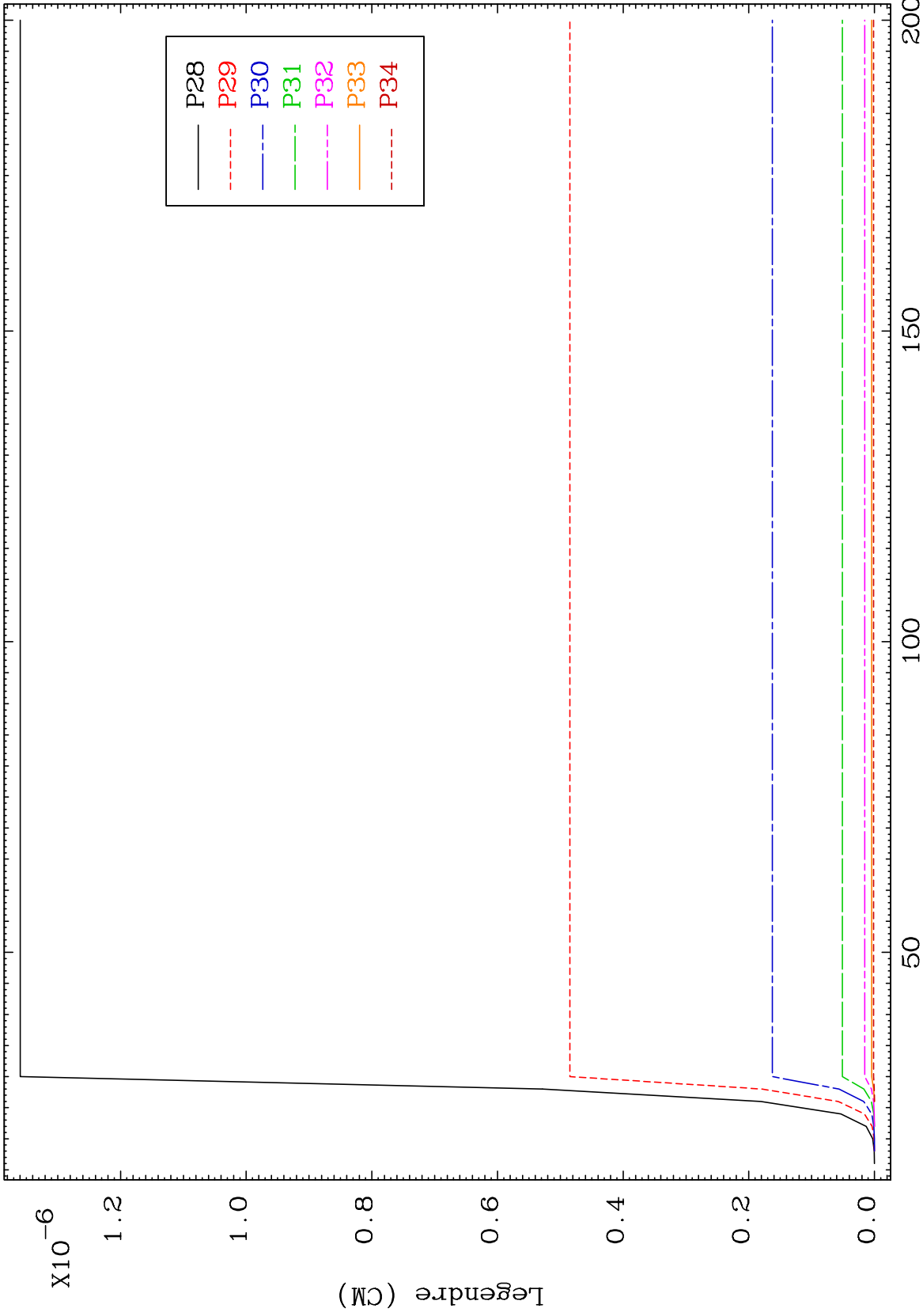
MAT 5055 MT= 56 (n,n') Level Legendre Coefficients 50-Sn-122



MAT 5055

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

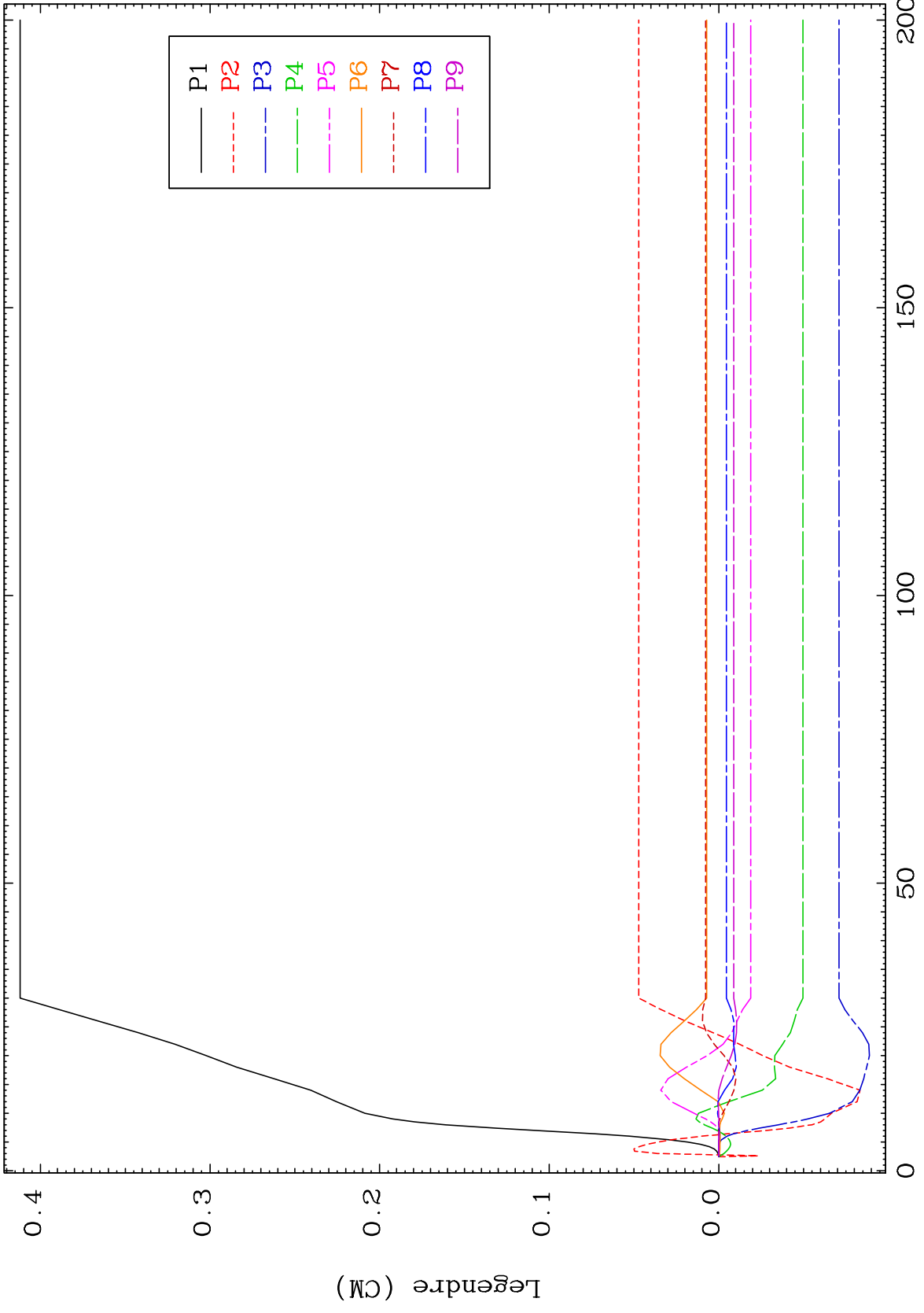
50-Sn-122



41

50-Sn-122

MAT 5055 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-122

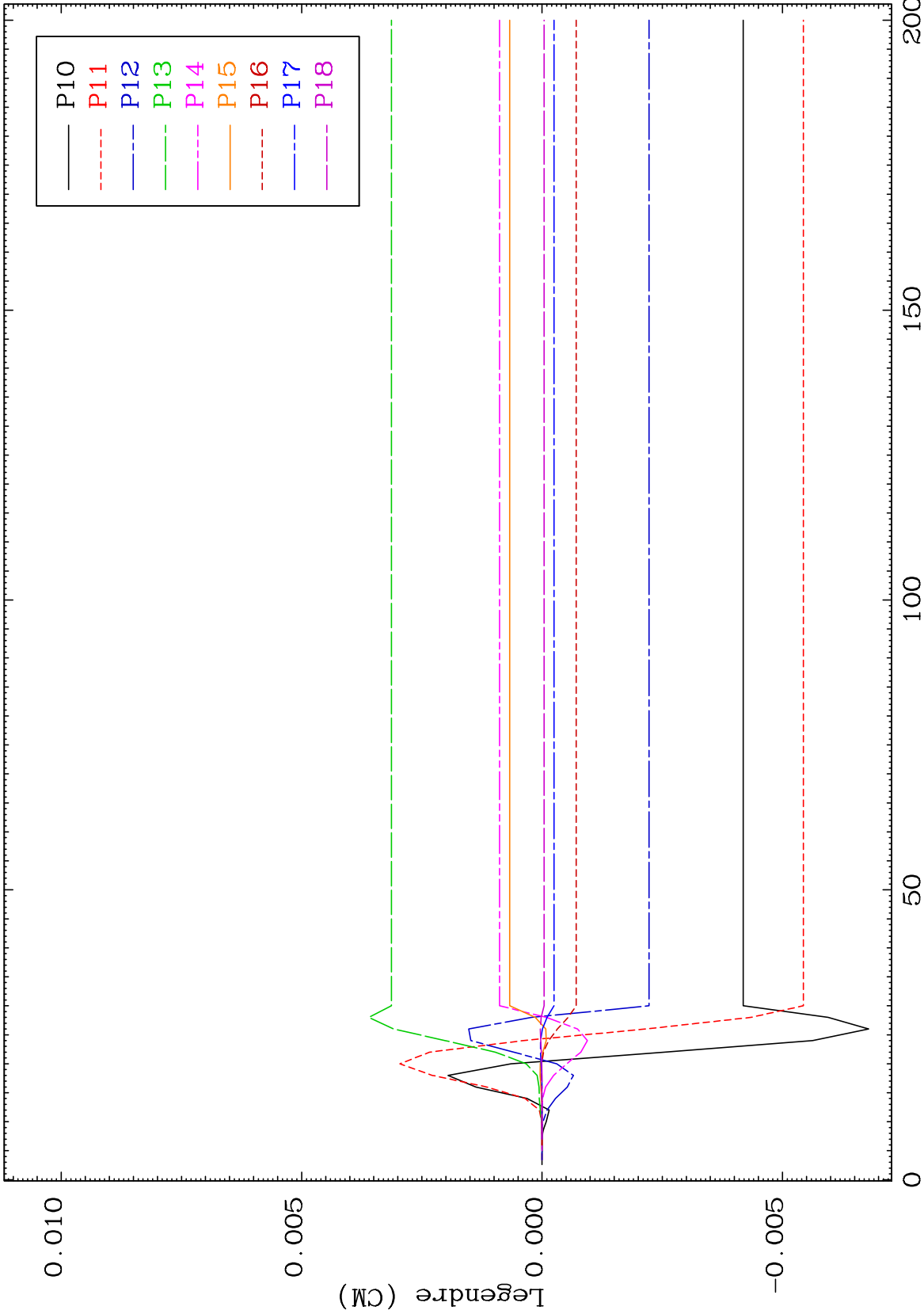


42 50-Sn-122

MAT 5055

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

50-Sn-122



43

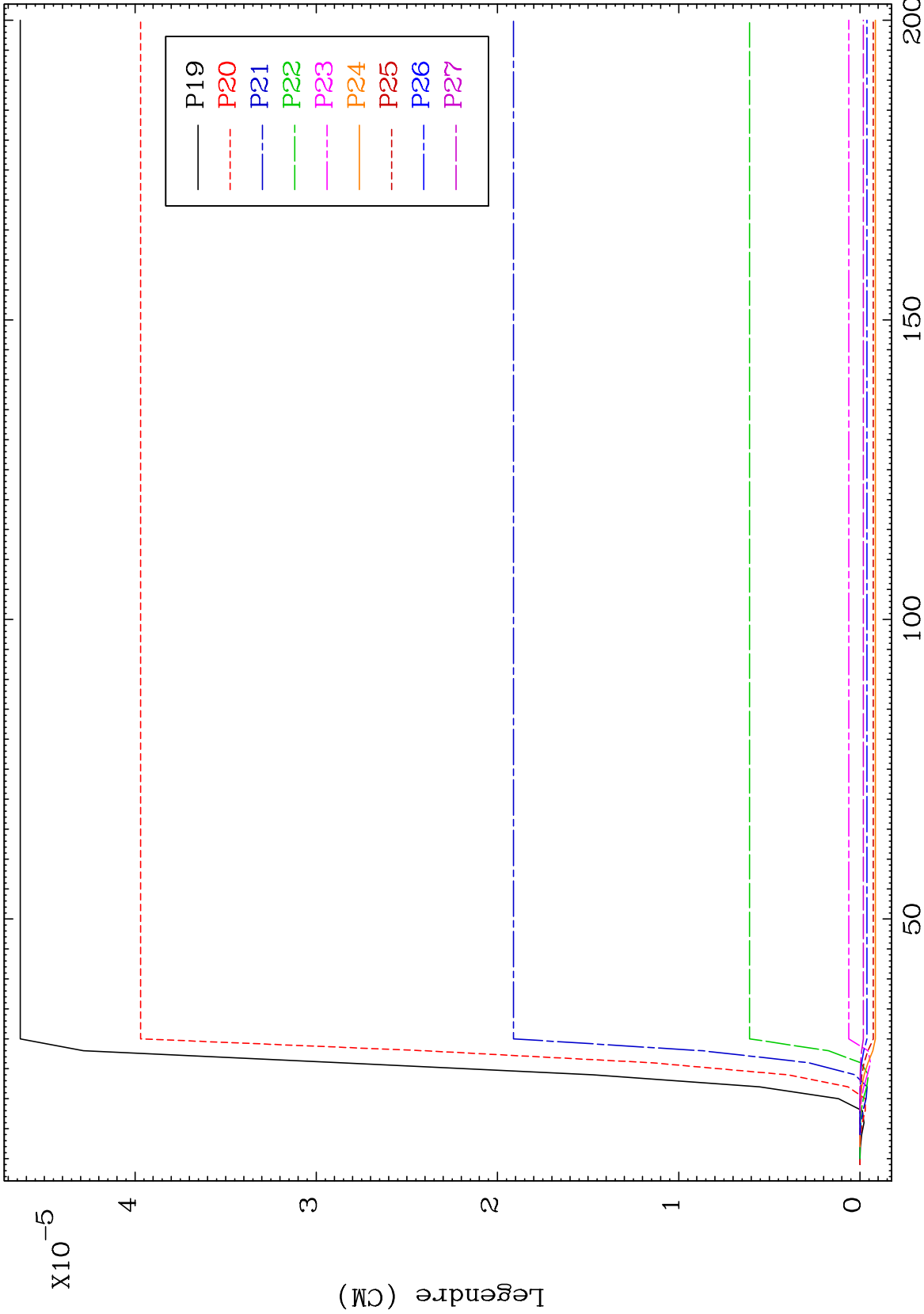
Incident Energy (MeV)

50-Sn-122

MAT 5055

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

50-Sn-122

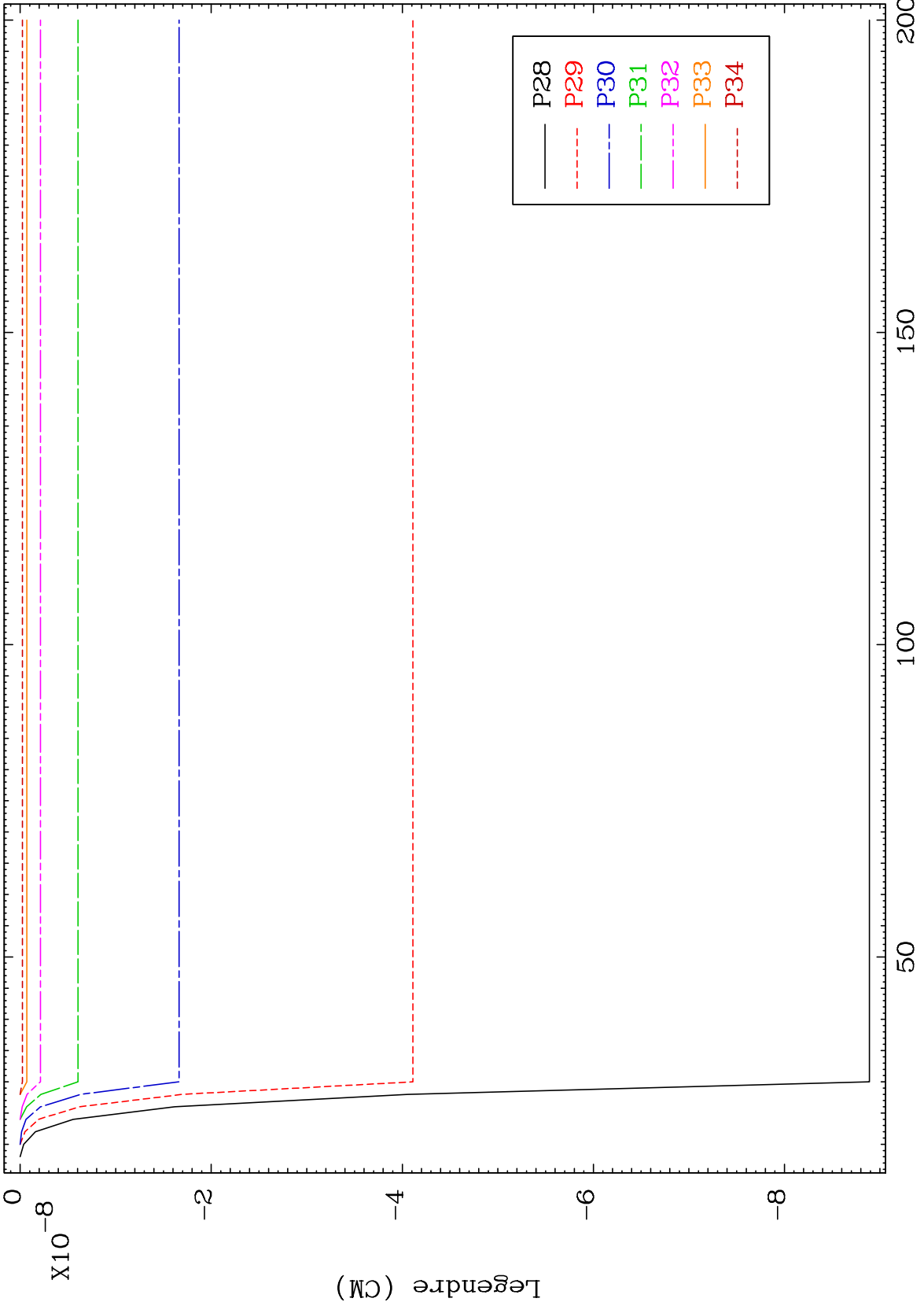


44

Incident Energy (MeV)

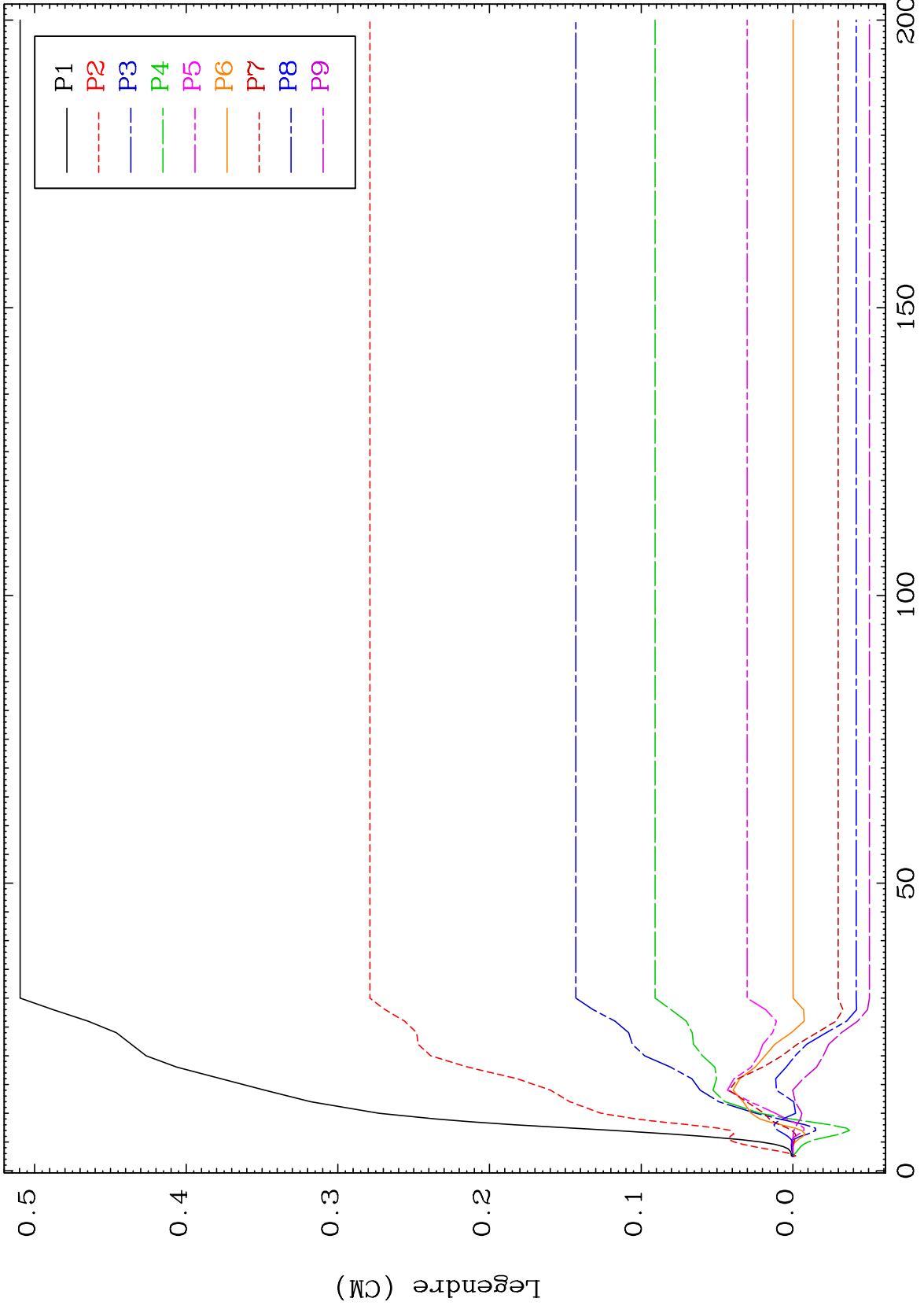
50-Sn-122

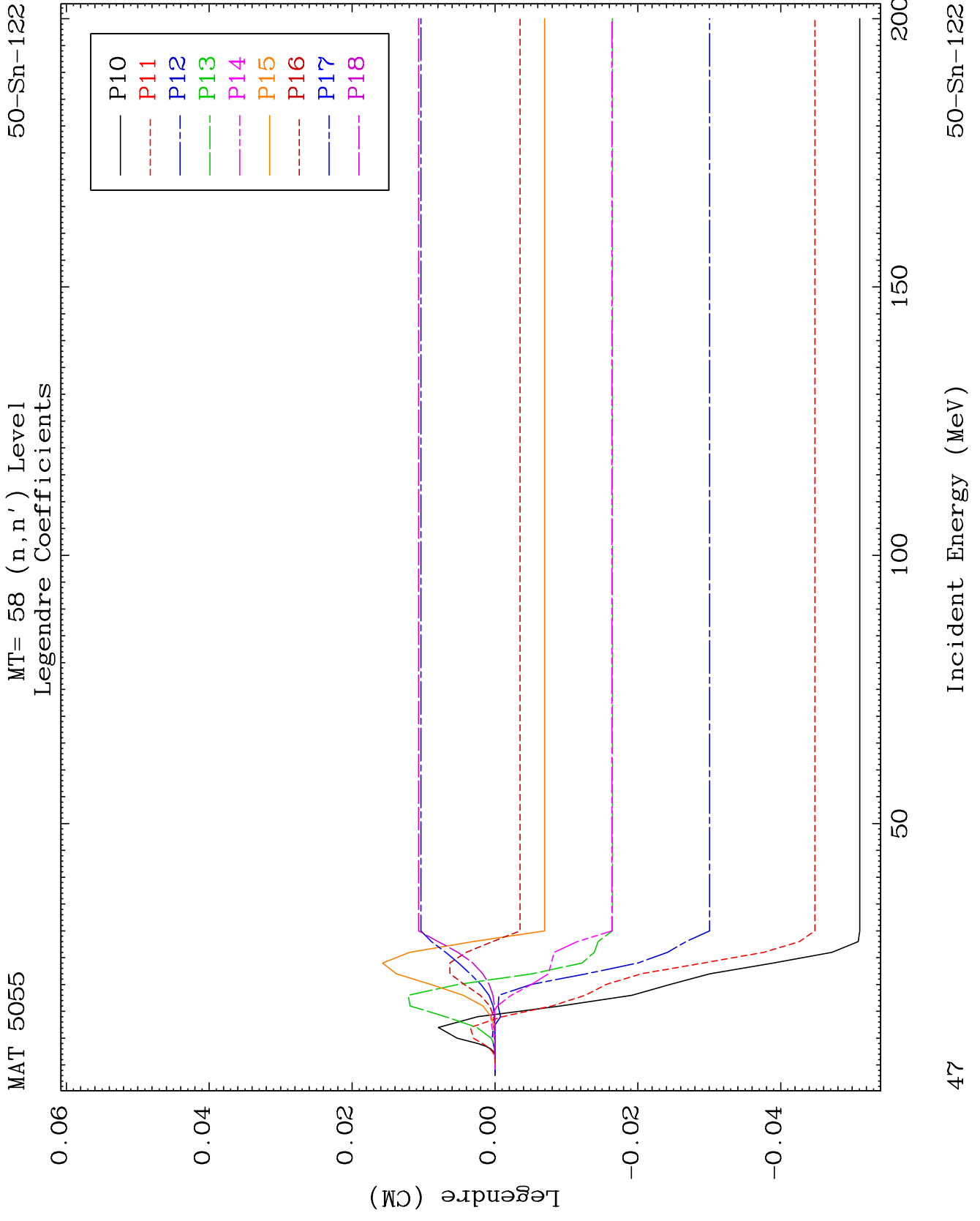
MAT 5055 MT= 57 (n,n') Level Legendre Coefficients 50-Sn-122



45 50 100 150 200 Incident Energy (MeV) 50-Sn-122

MAT 5055 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-122



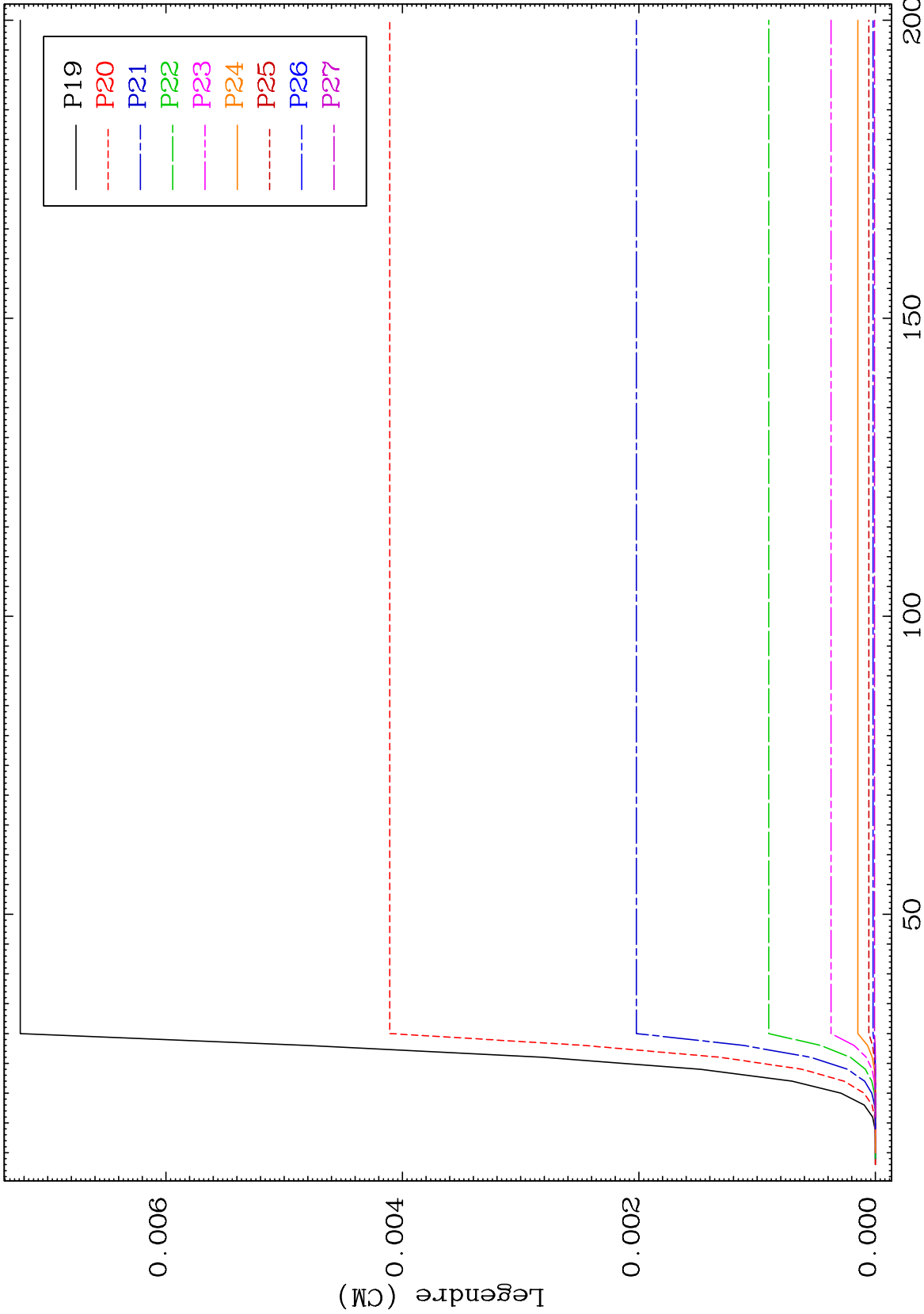




MAT 5055

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

50-Sn-122

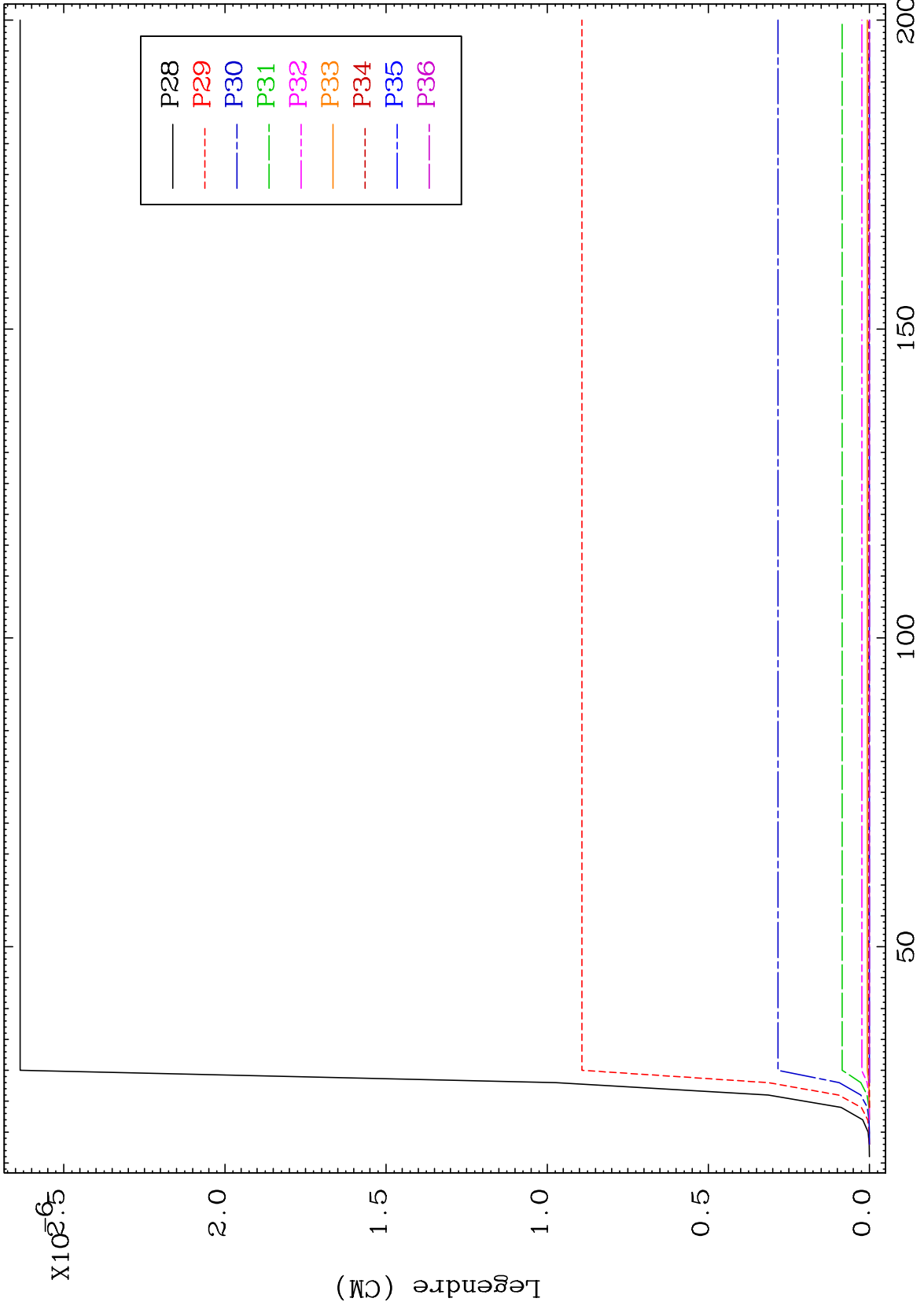


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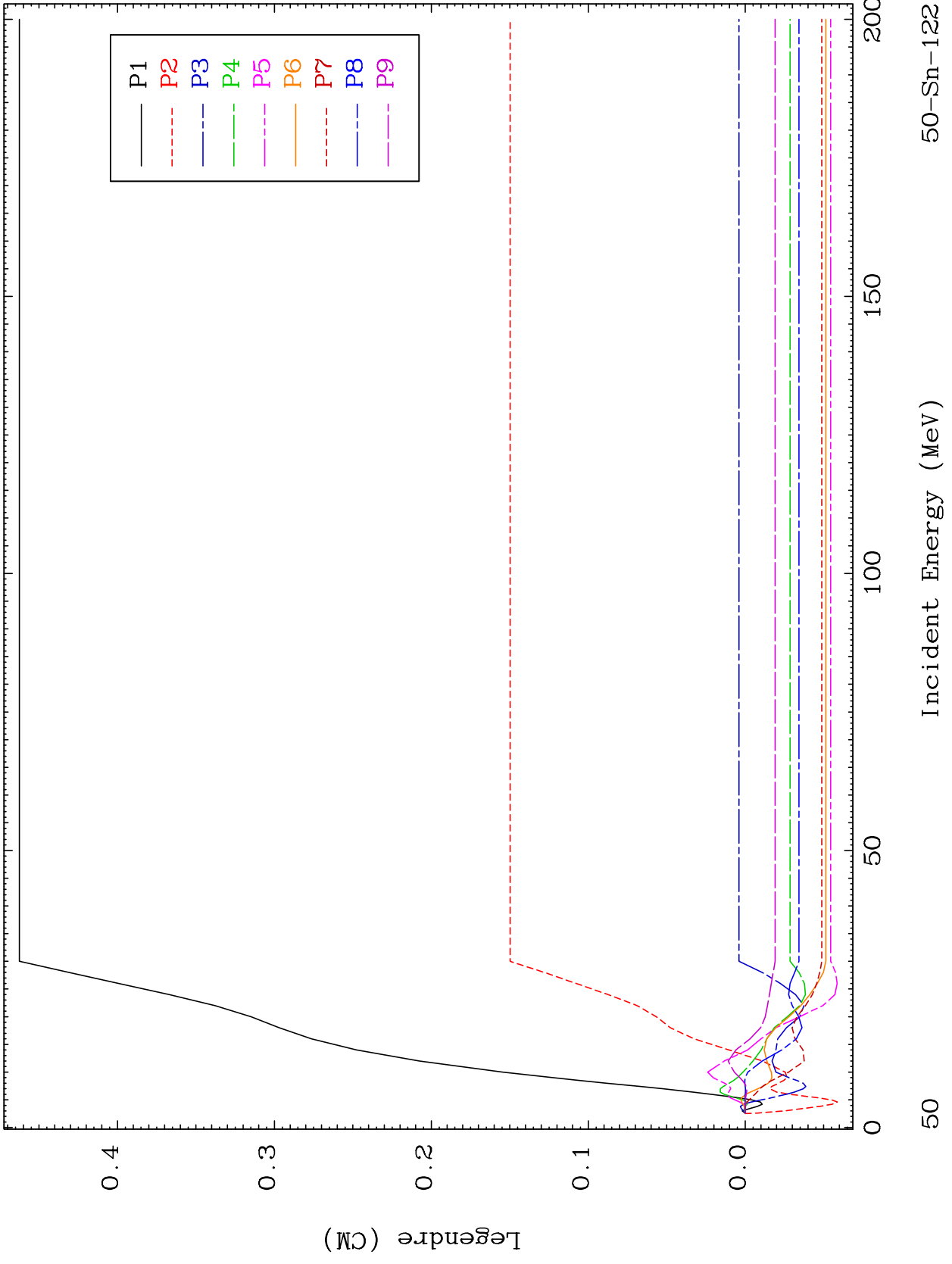
Incident Energy (MeV)

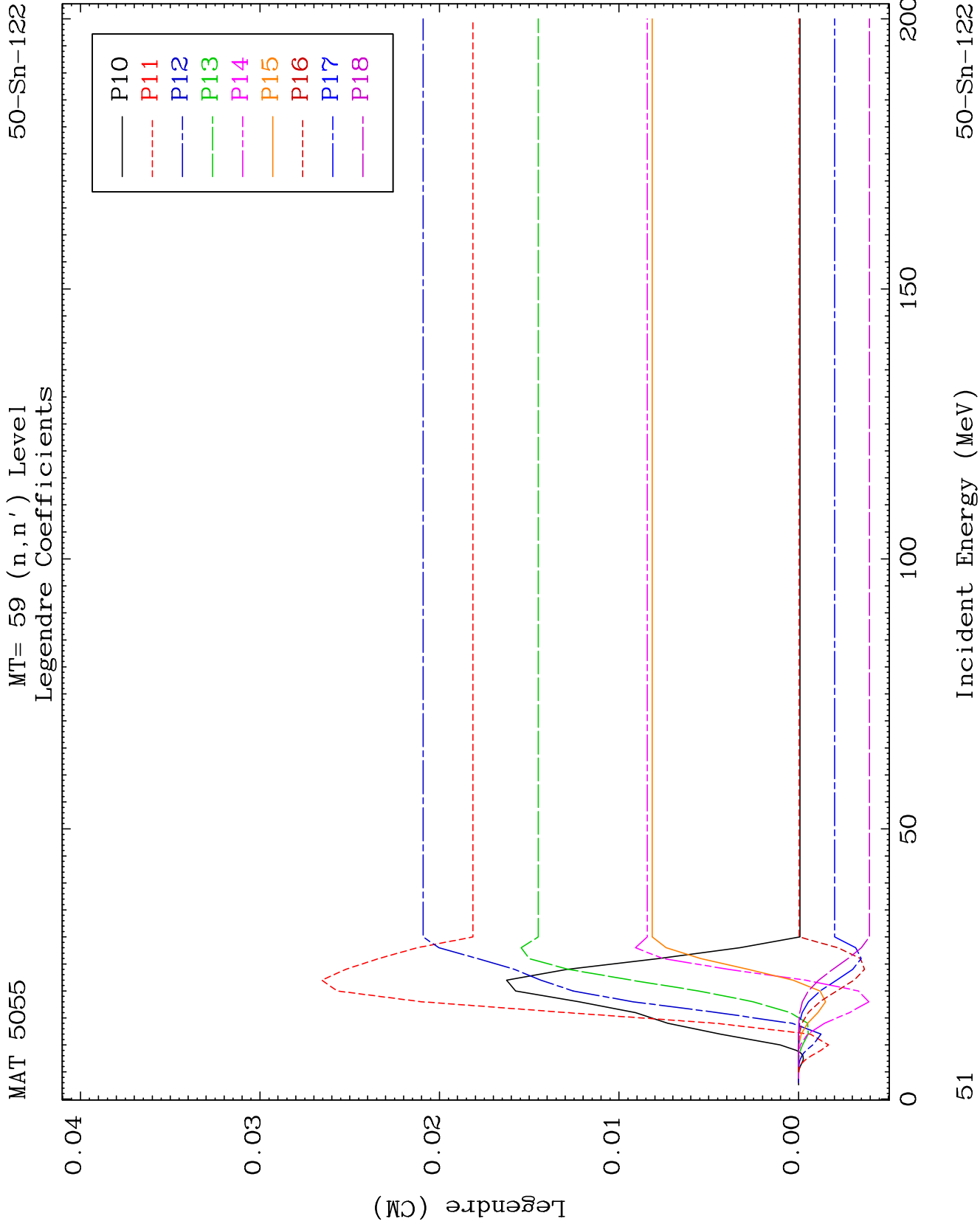
50-Sn-122

MAT 5055 MT= 58 (n,n') Level Legendre Coefficients 50-Sn-122



MAT 5055 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-122

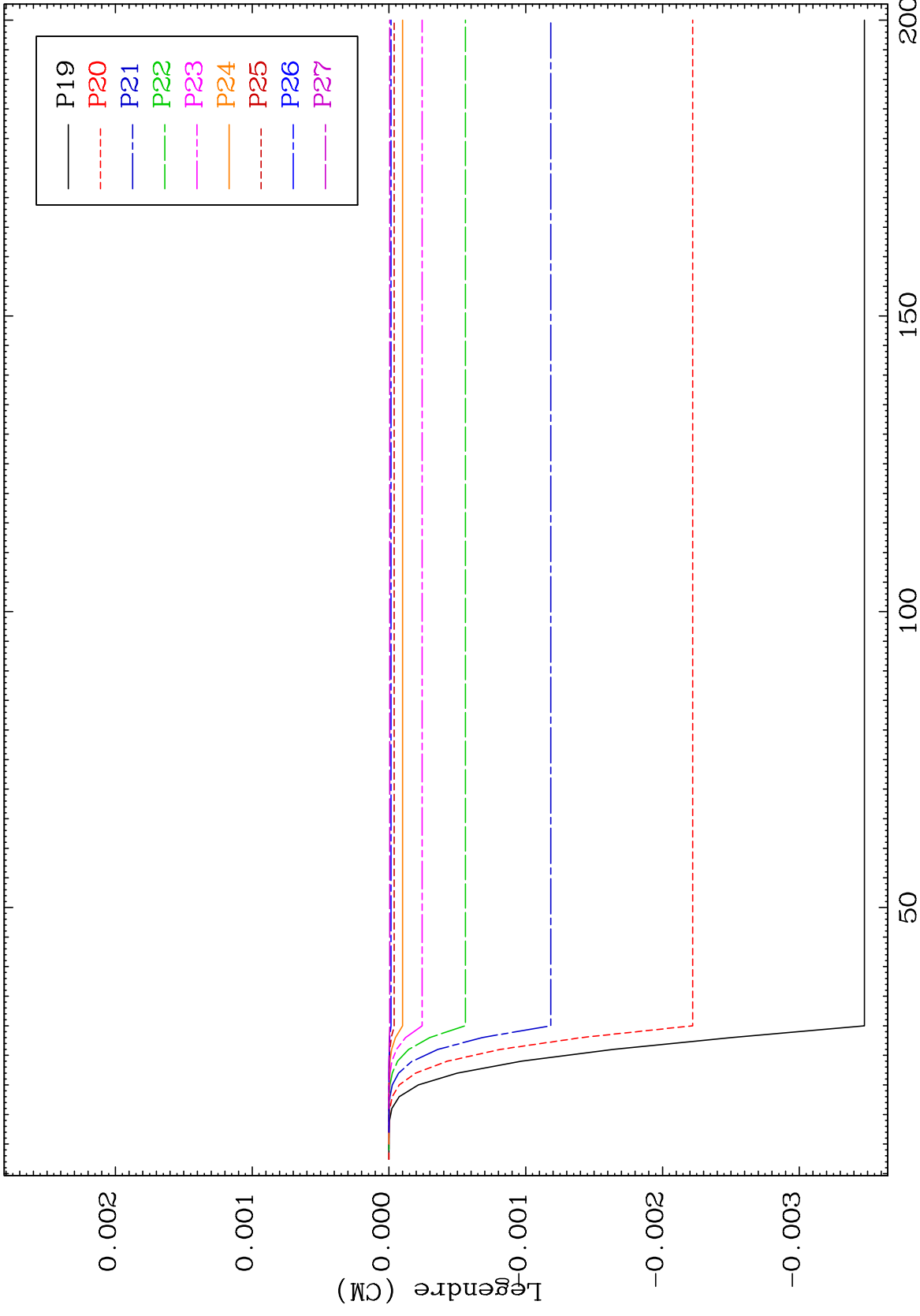




MAT 5055

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

50-Sn-122

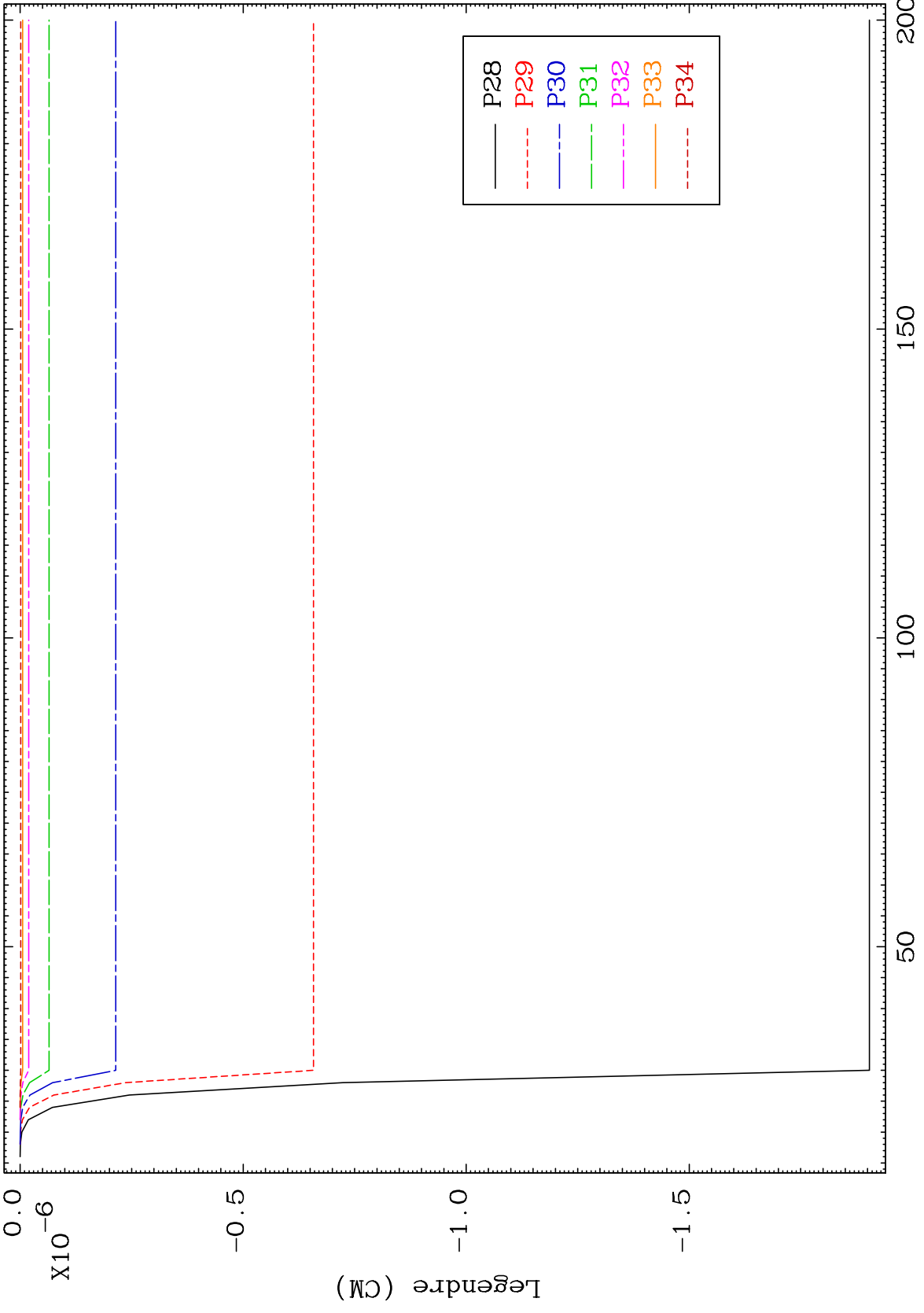


52

Incident Energy (MeV)

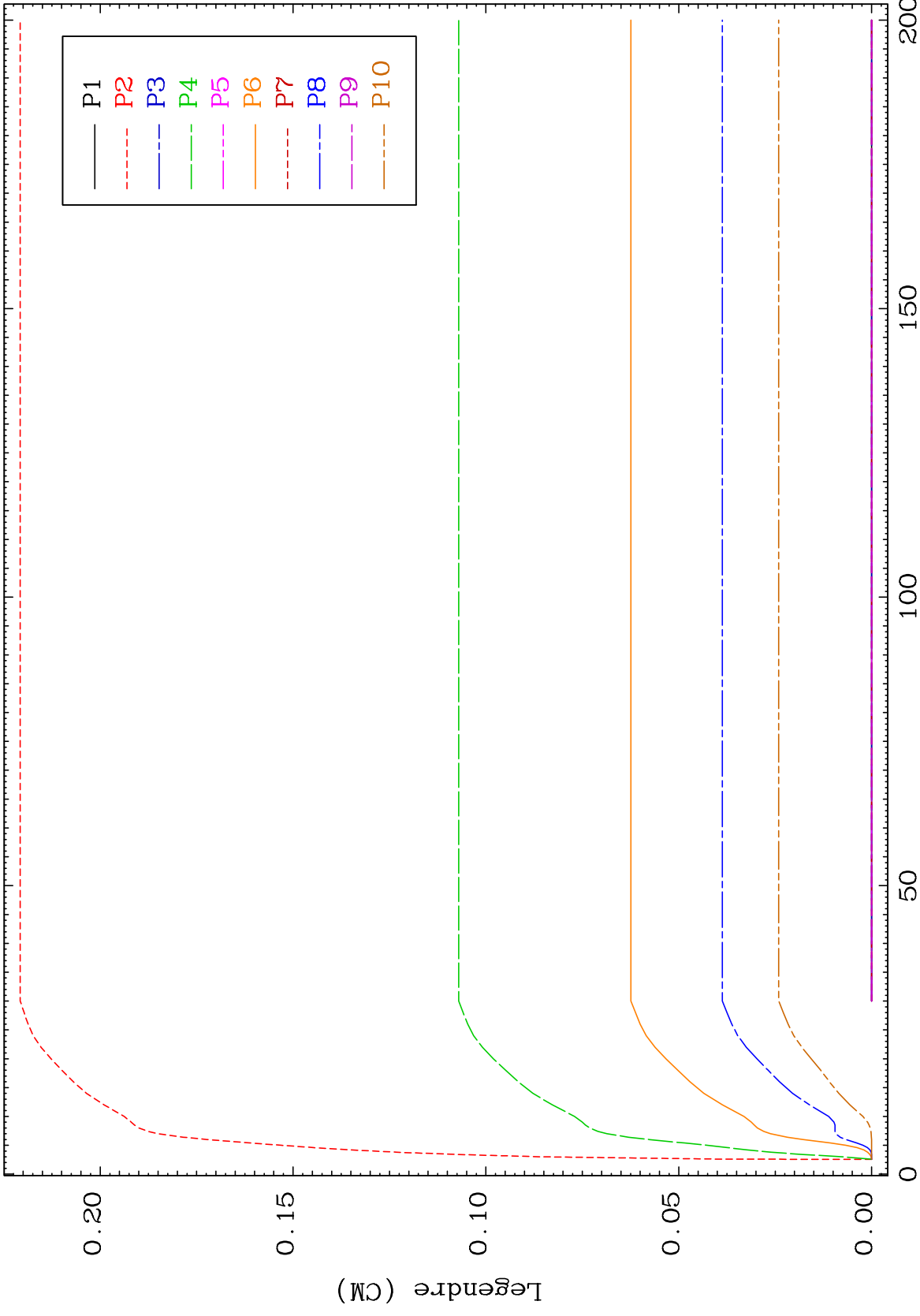
50-Sn-122

MAT 5055 MT= 59 (n,n') Level Legendre Coefficients 50-Sn-122



53 Incident Energy (MeV) 50-Sn-122

MAT 5055 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-122

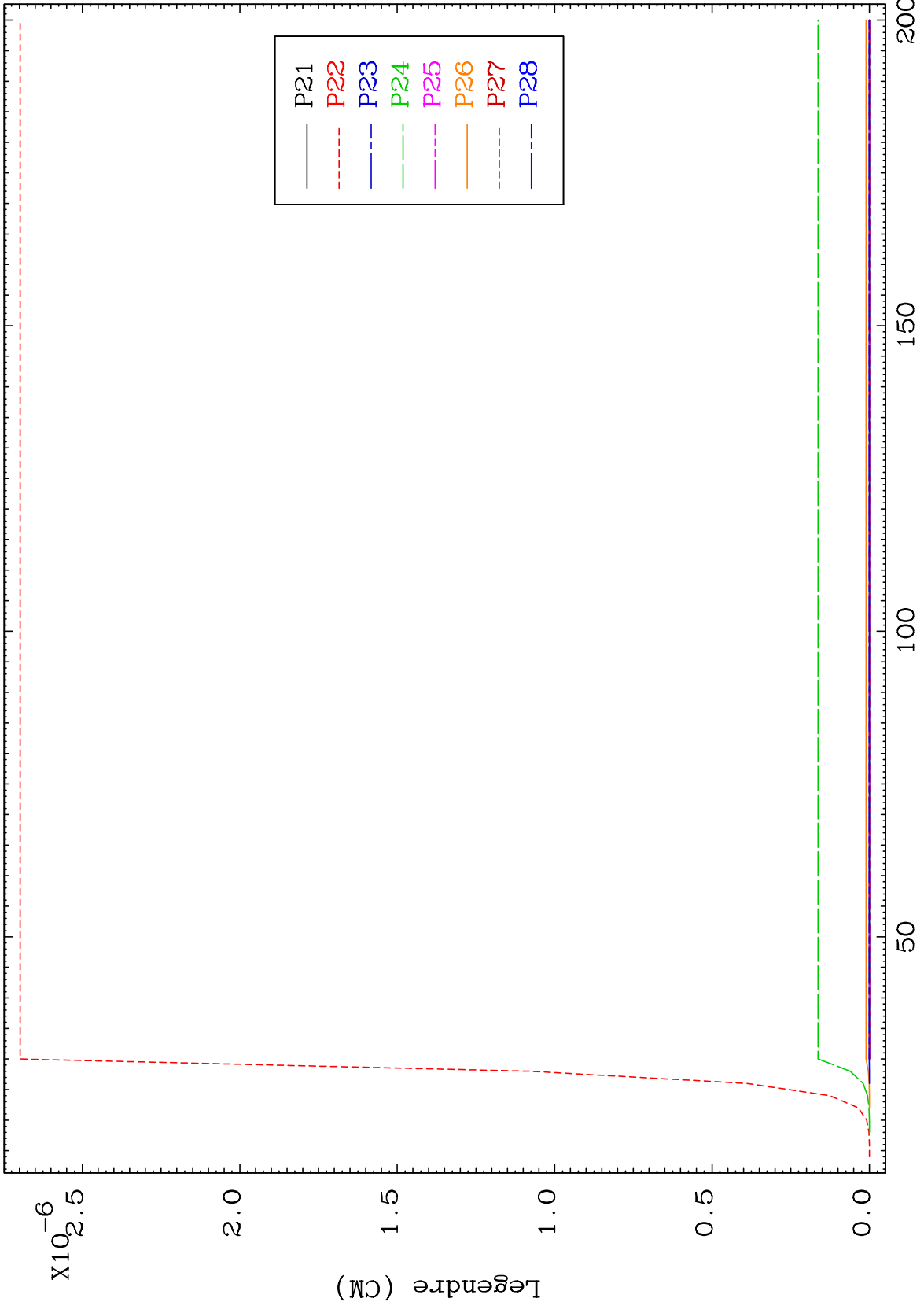


54 50-Sn-122



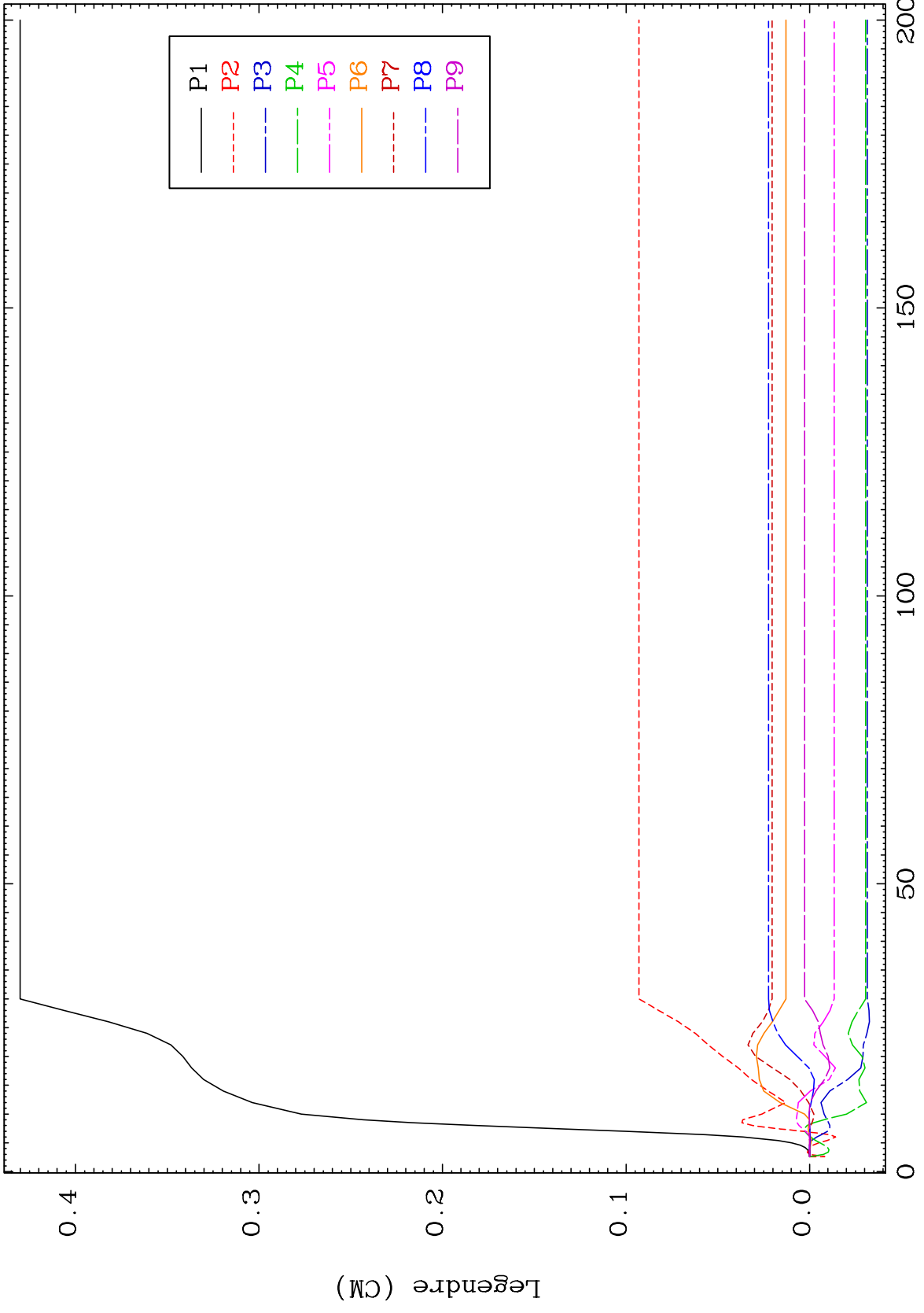


MAT 5055 MT= 60 (n,n') Level Legendre Coefficients 50-Sn-122



56 50-Sn-122

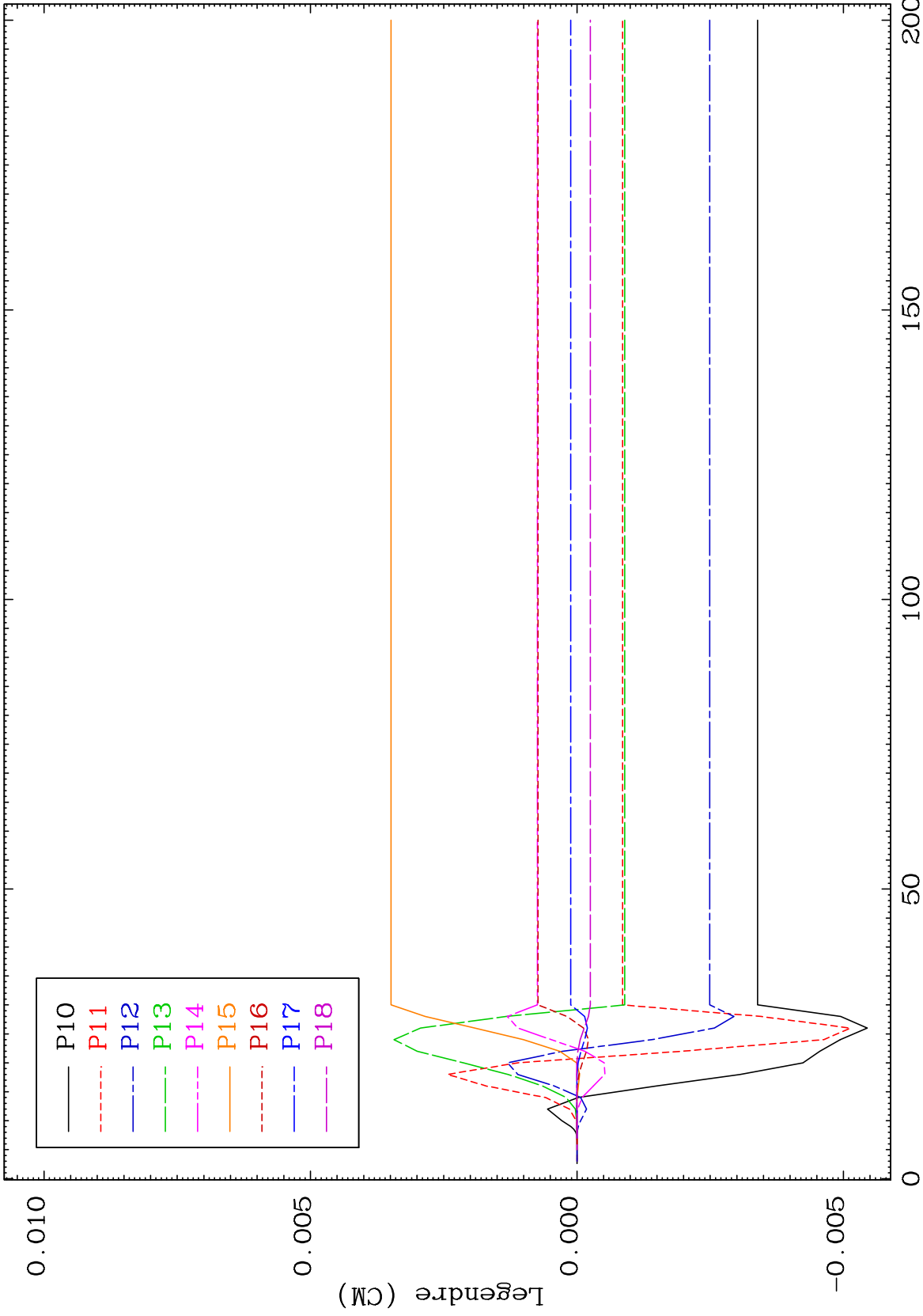
MAT 5055 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-122



MAT 5055

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

50-Sn-122



58

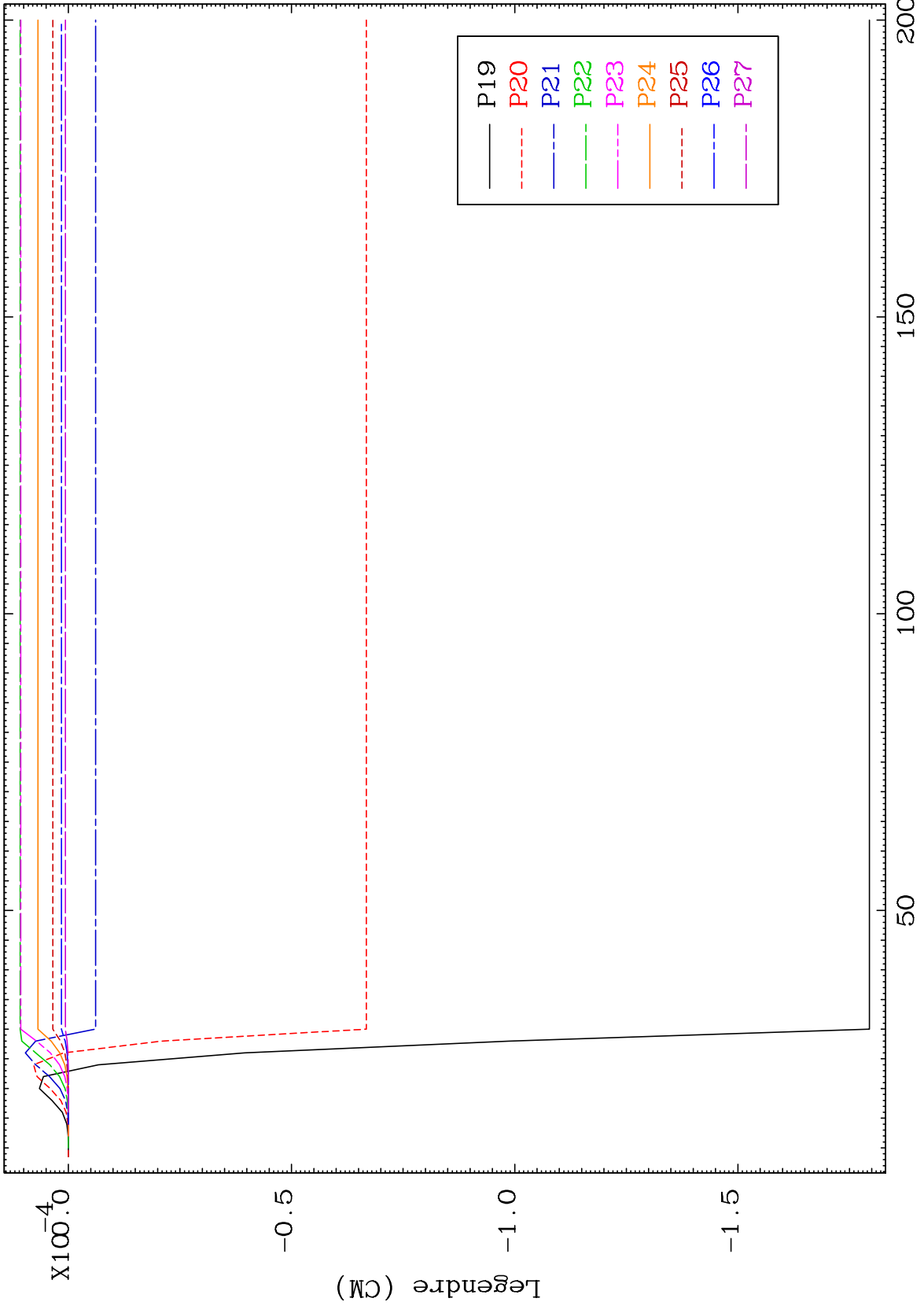
Incident Energy (MeV)

50-Sn-122

MAT 5055

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

50-Sn-122

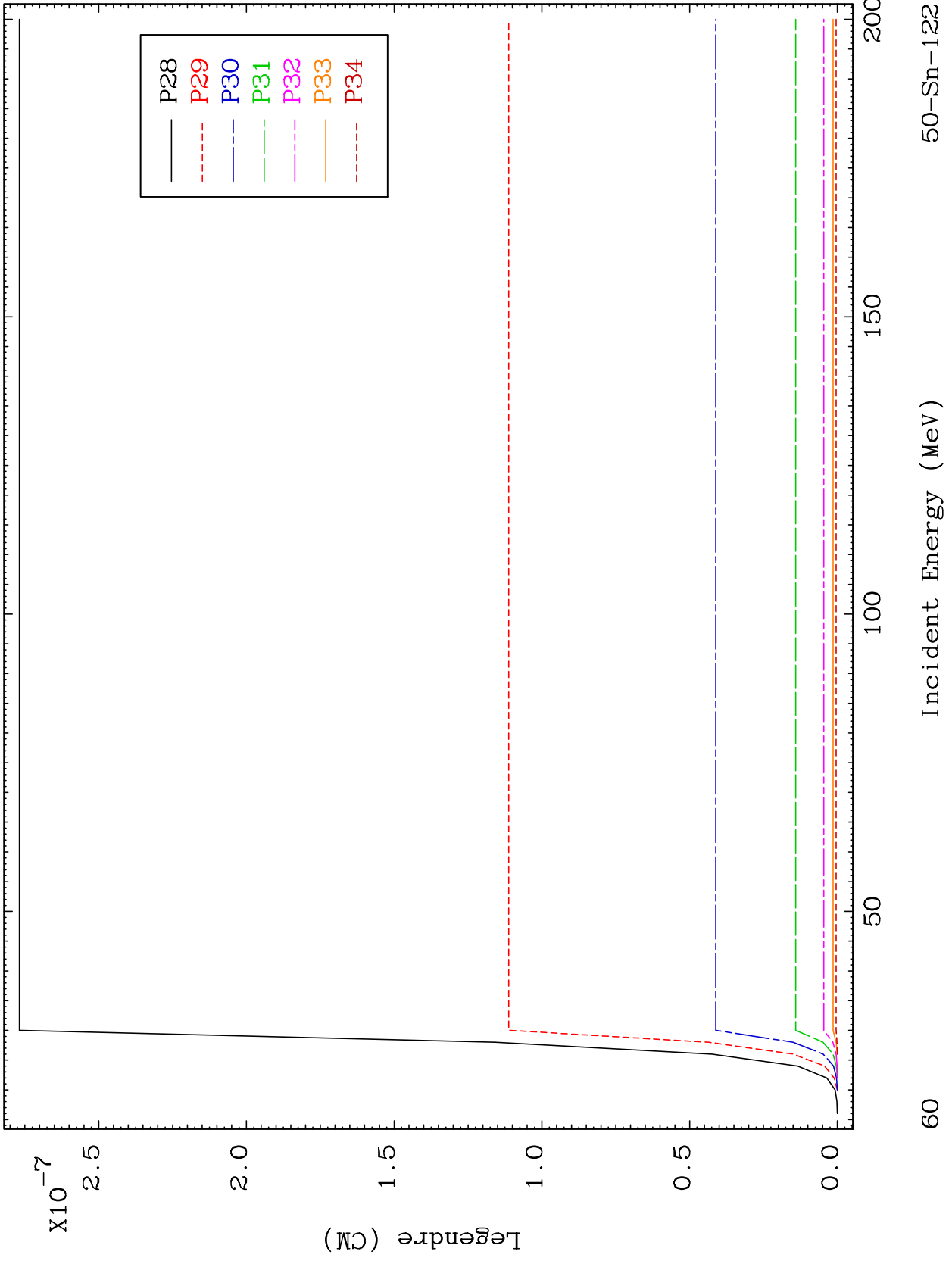


50-Sn-122

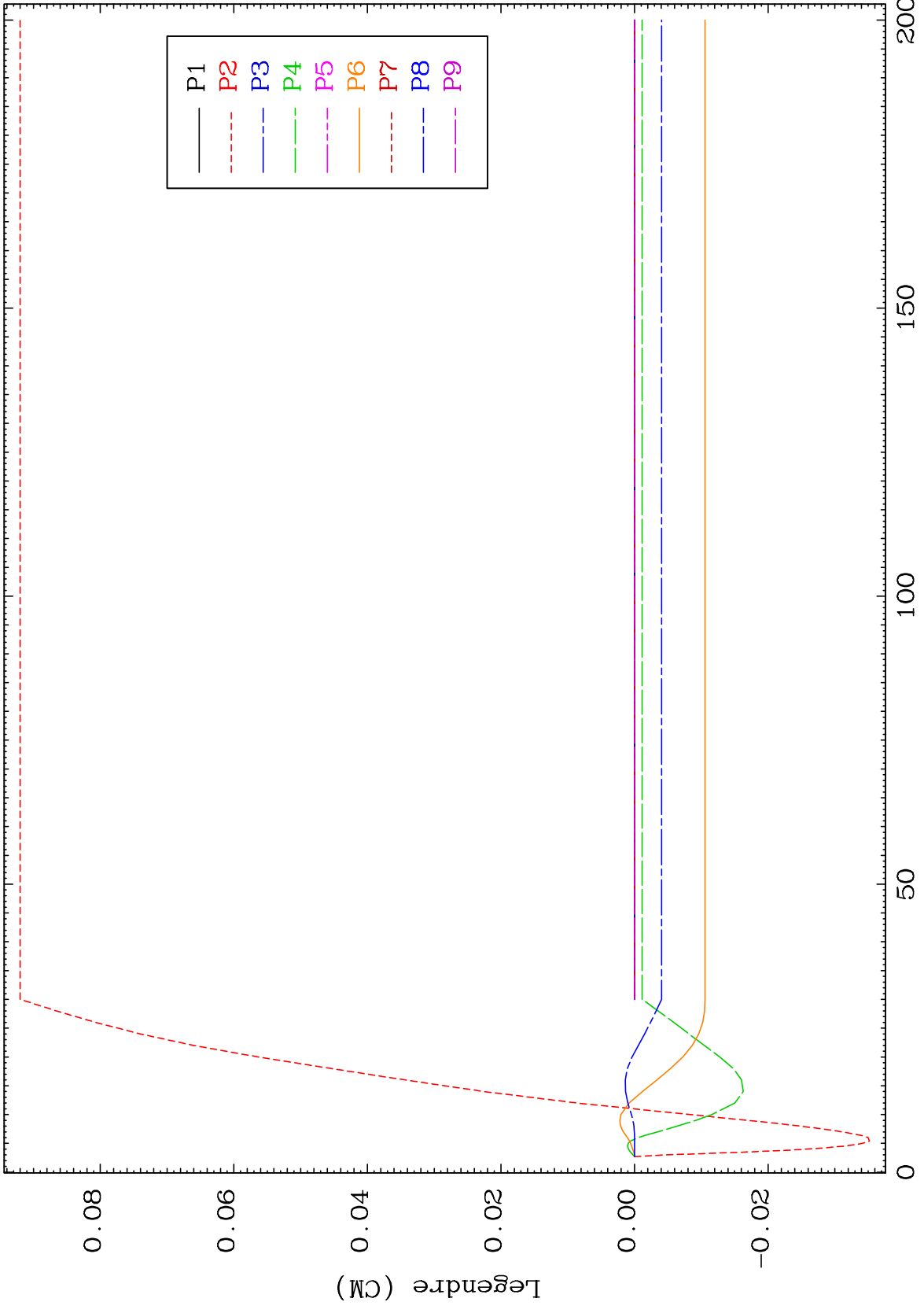
Incident Energy (MeV)

59

MAT 5055 MT= 61 (n,n') Level Legendre Coefficients 50-Sn-122

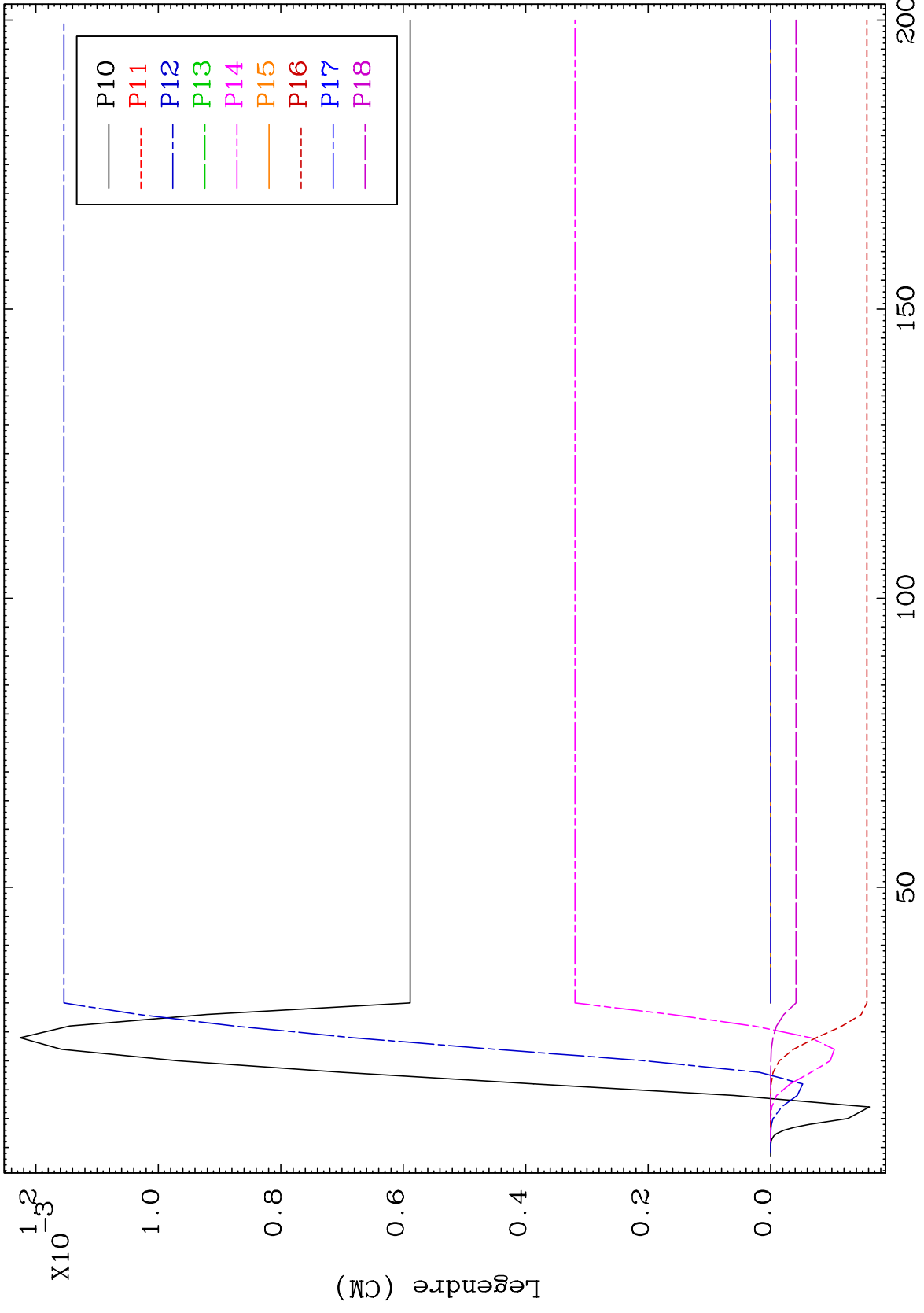


MAT 5055 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-122



61 Incident Energy (MeV) 50-Sn-122

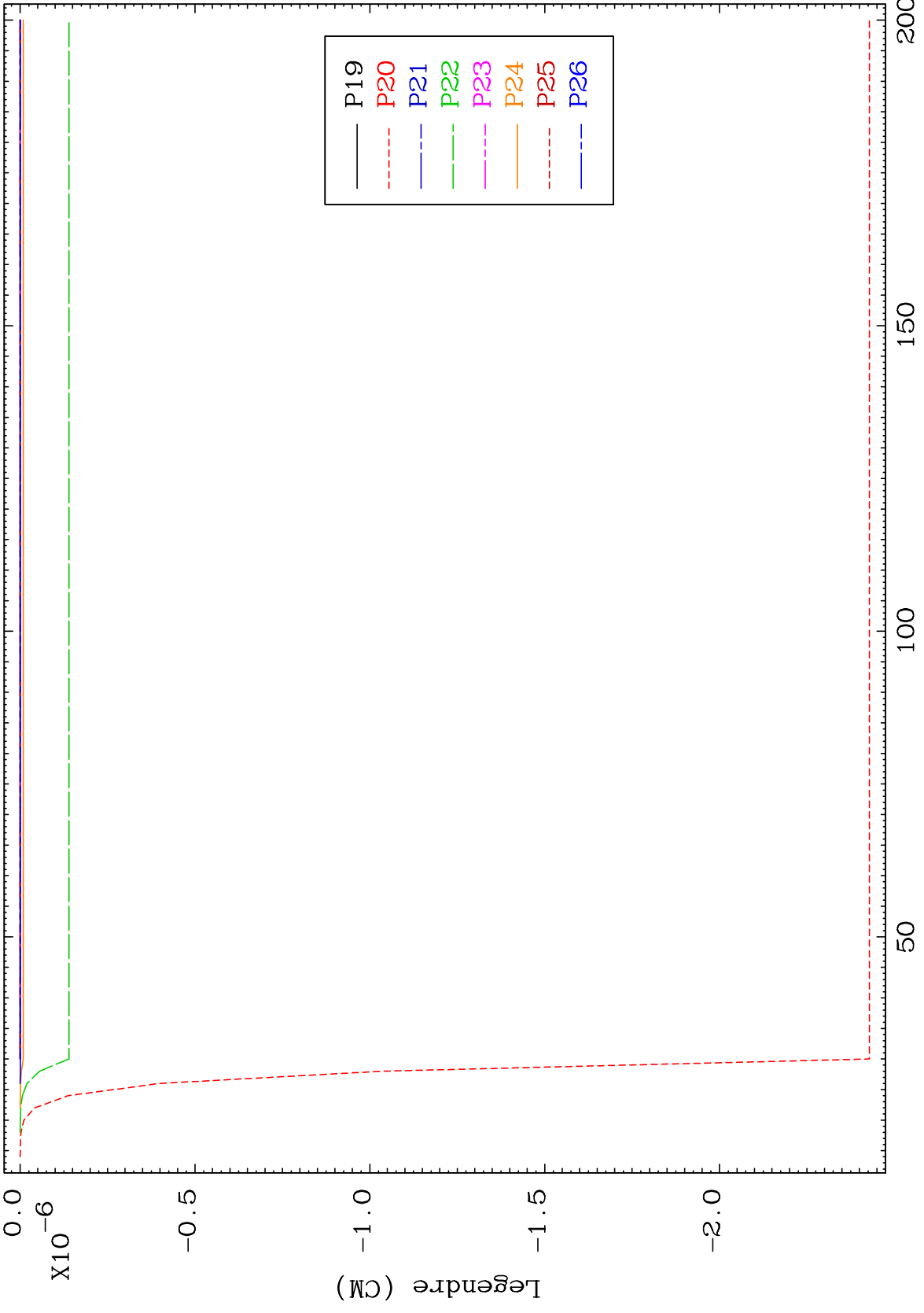
MAT 5055 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-122



62

50-Sn-122

MAT 5055 MT= 62 (n,n') Level Legendre Coefficients 50-Sn-122

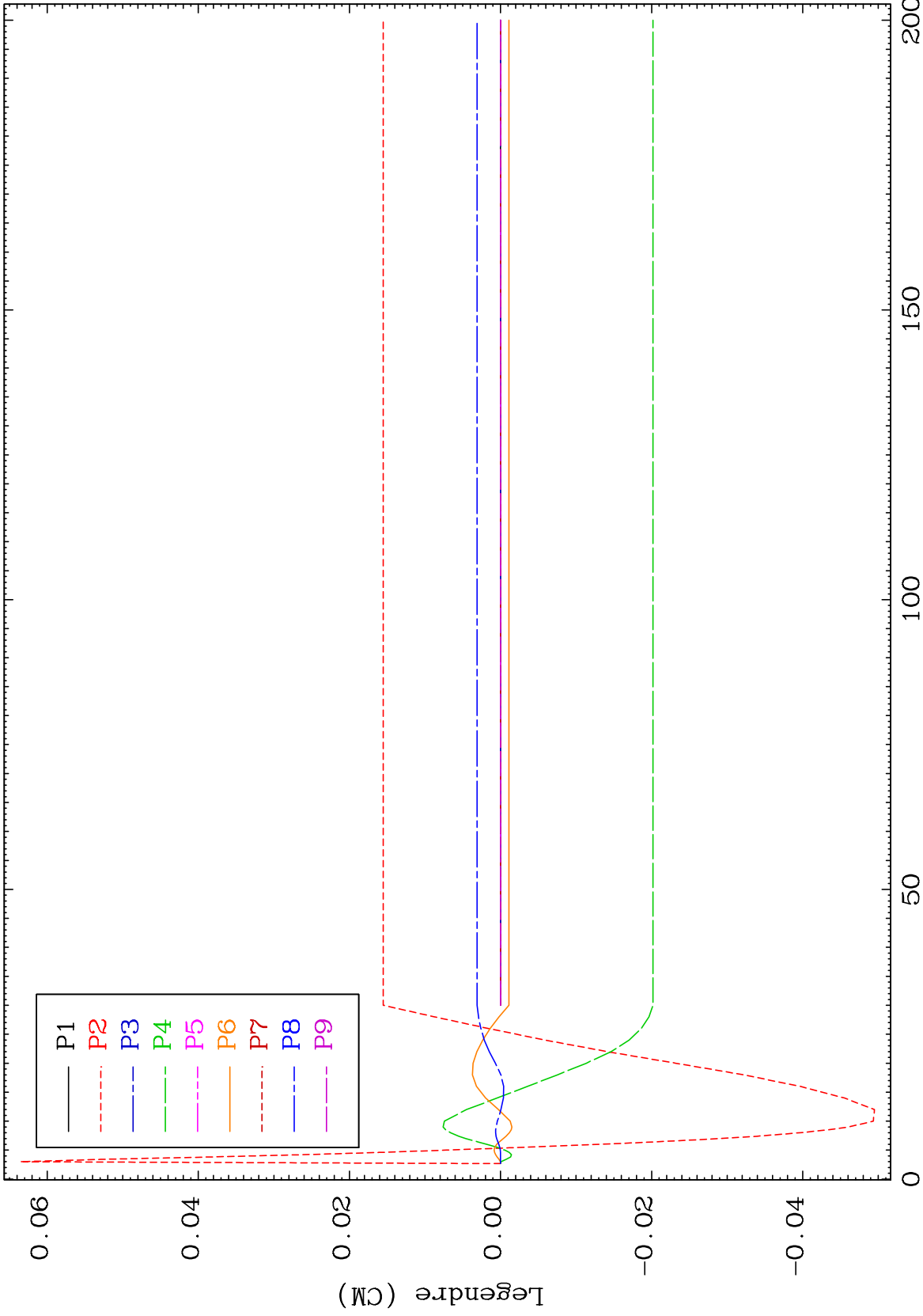




MAT 5055

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

50-Sn-122



64

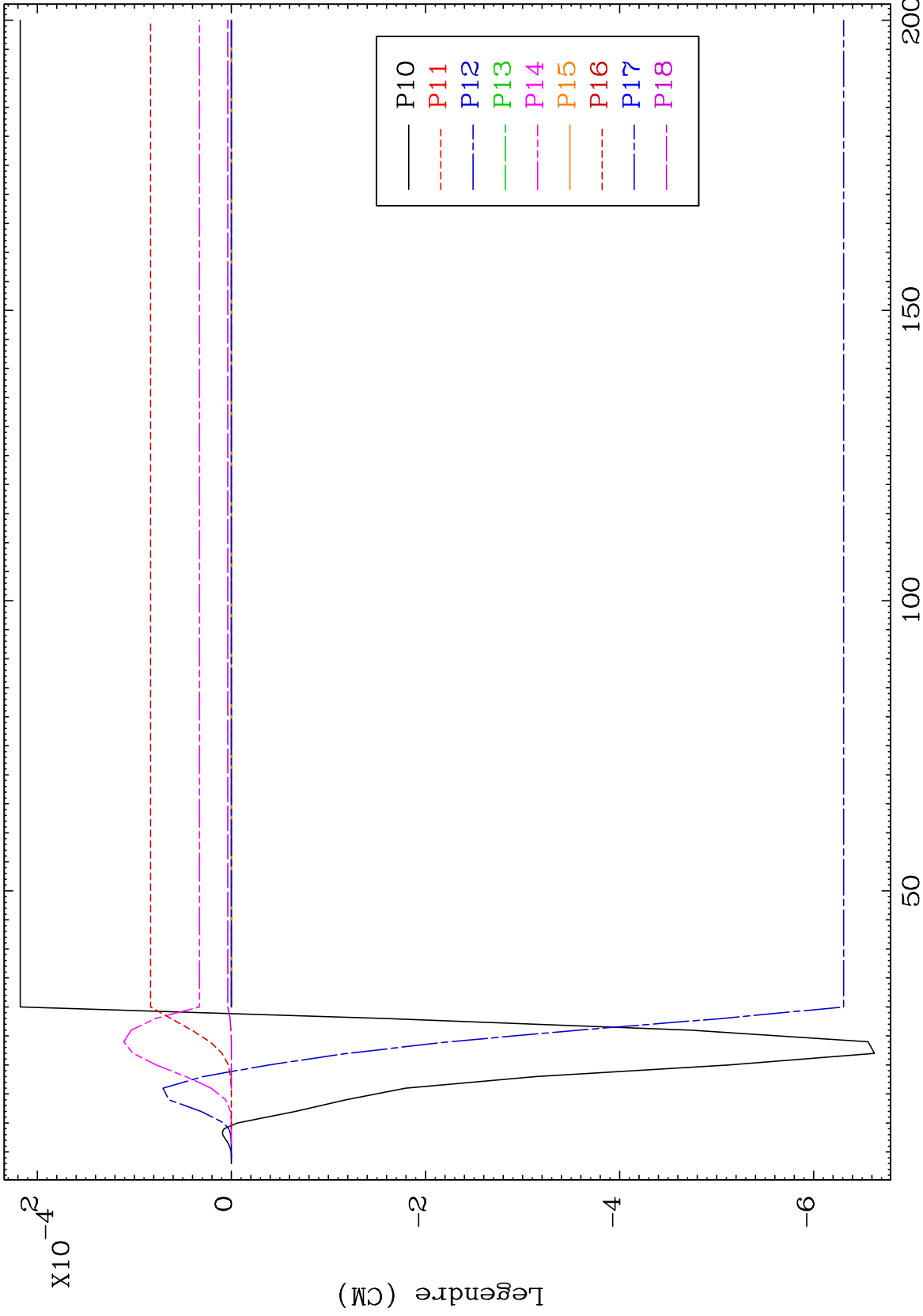
Incident Energy (MeV)

50-Sn-122

MAT 5055

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

50-Sn-122

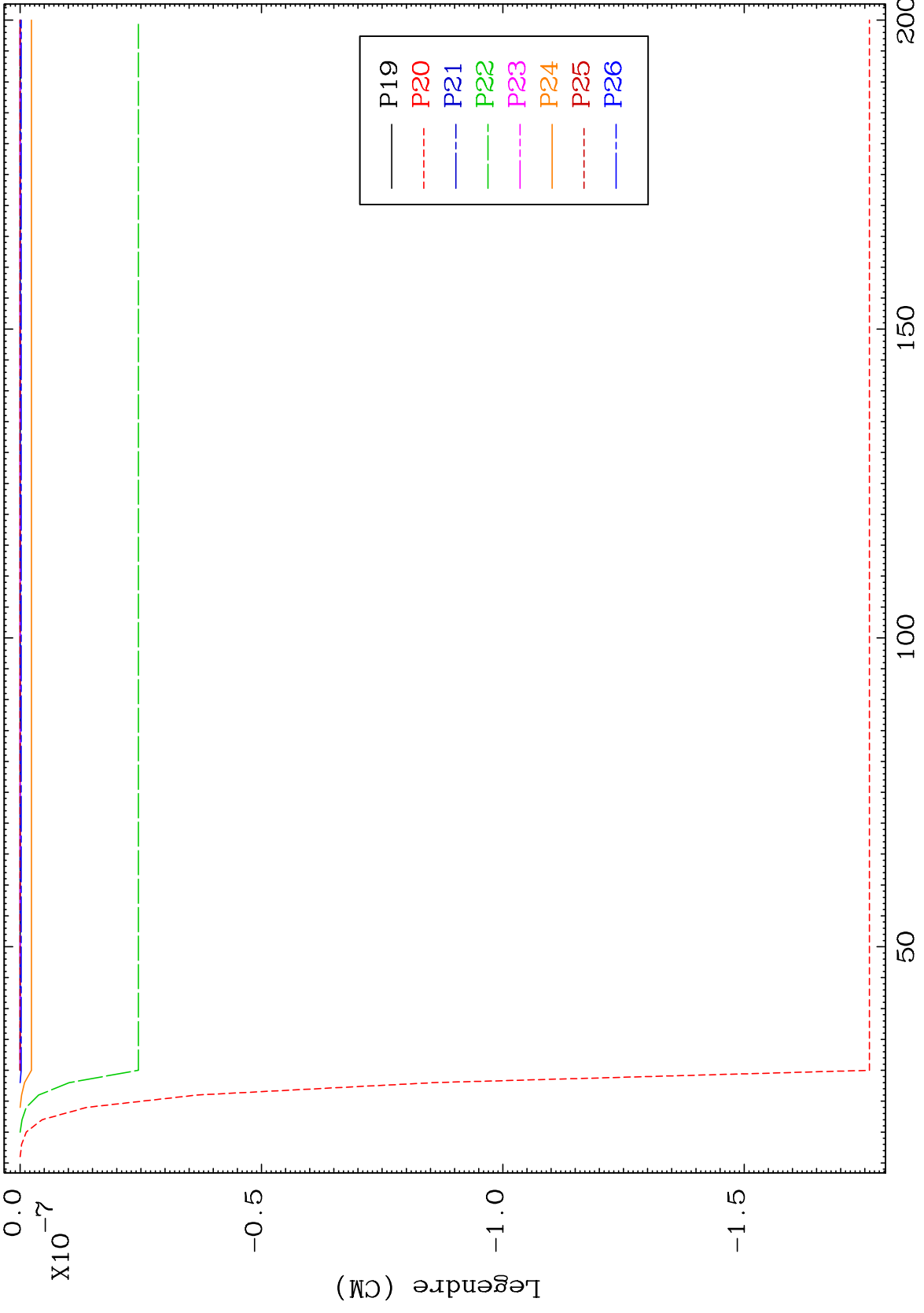


65

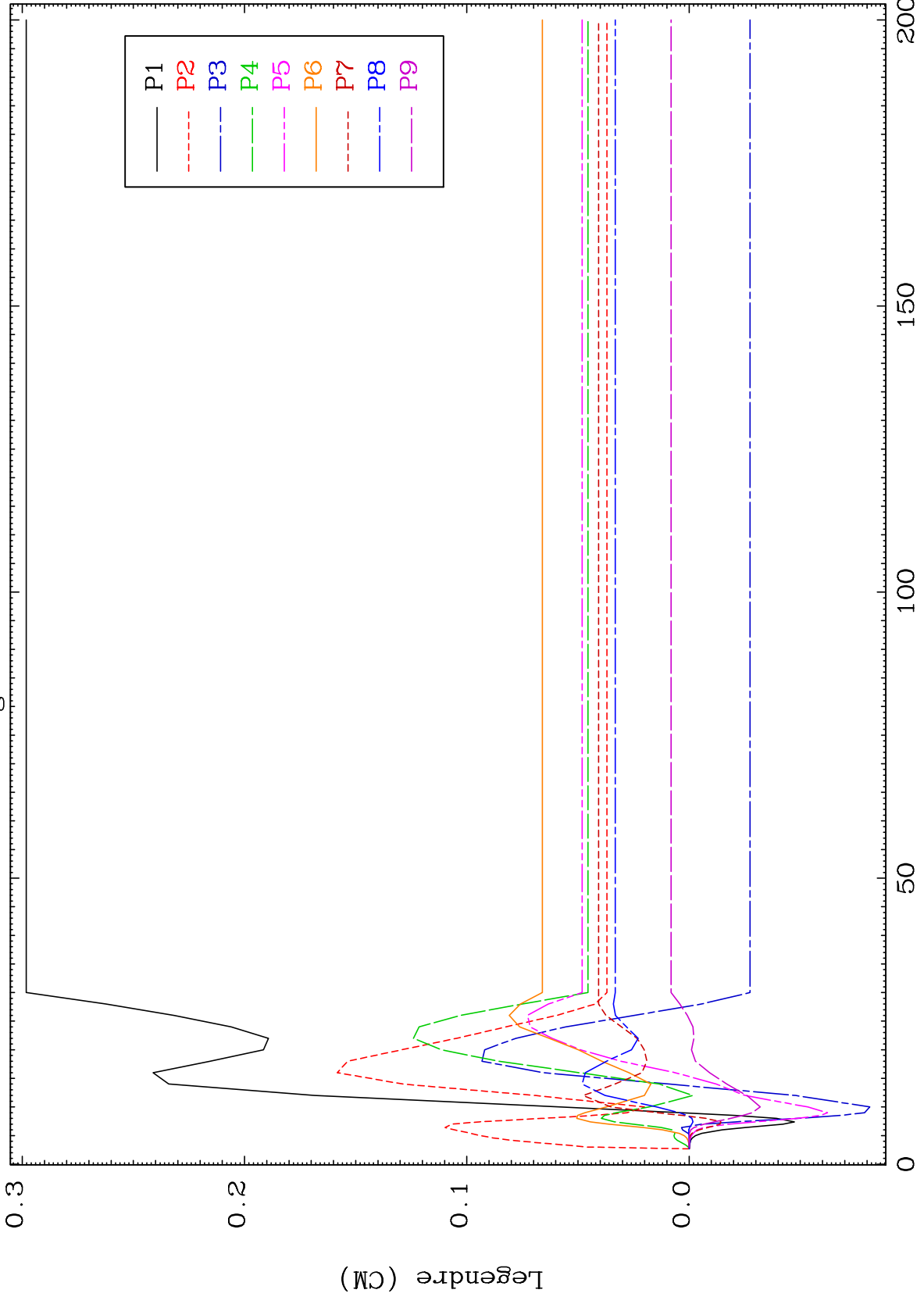
Incident Energy (MeV)

50-Sn-122

MAT 5055 MT= 63 (n,n') Level Legendre Coefficients 50-Sn-122

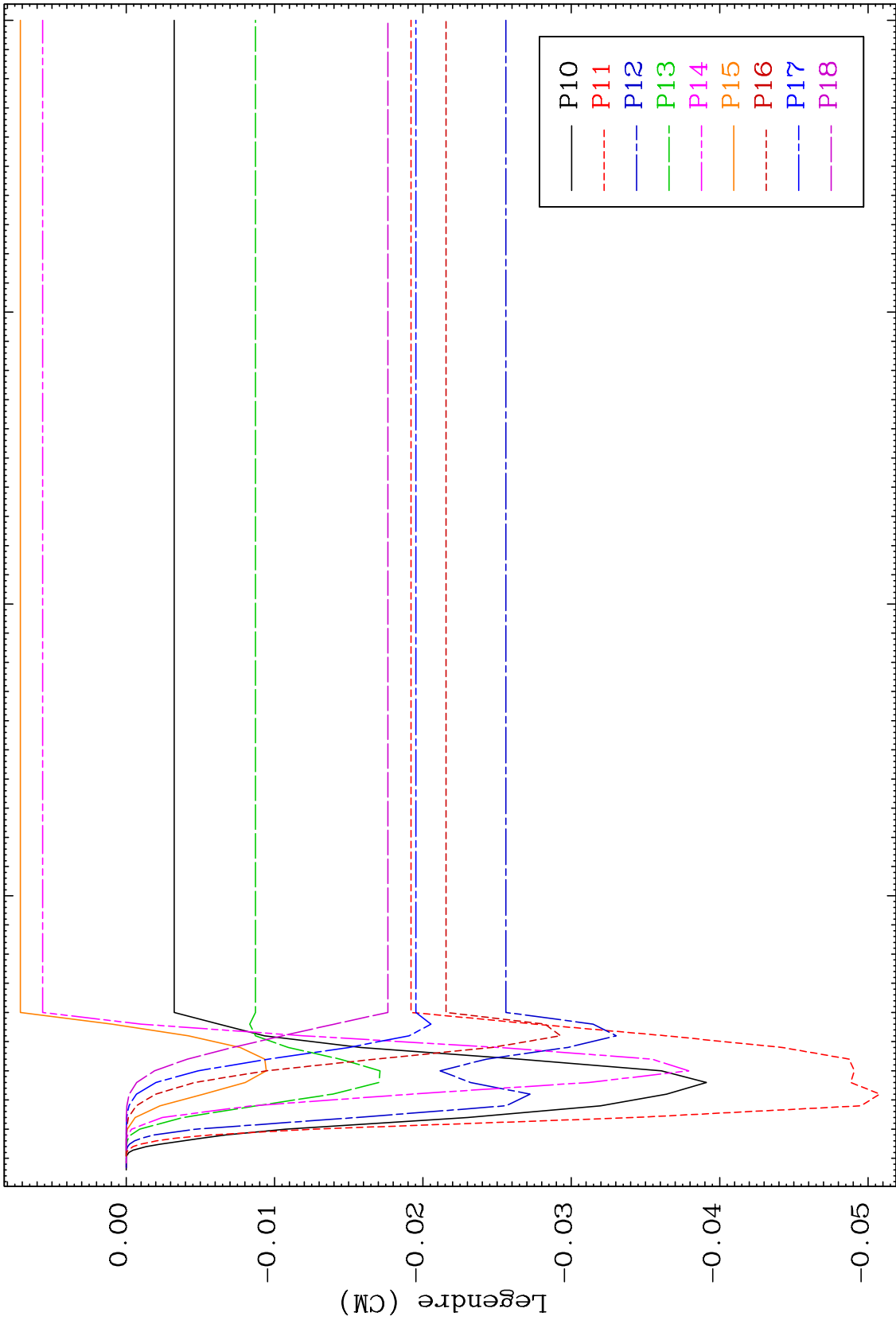


MAT 5055 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-122



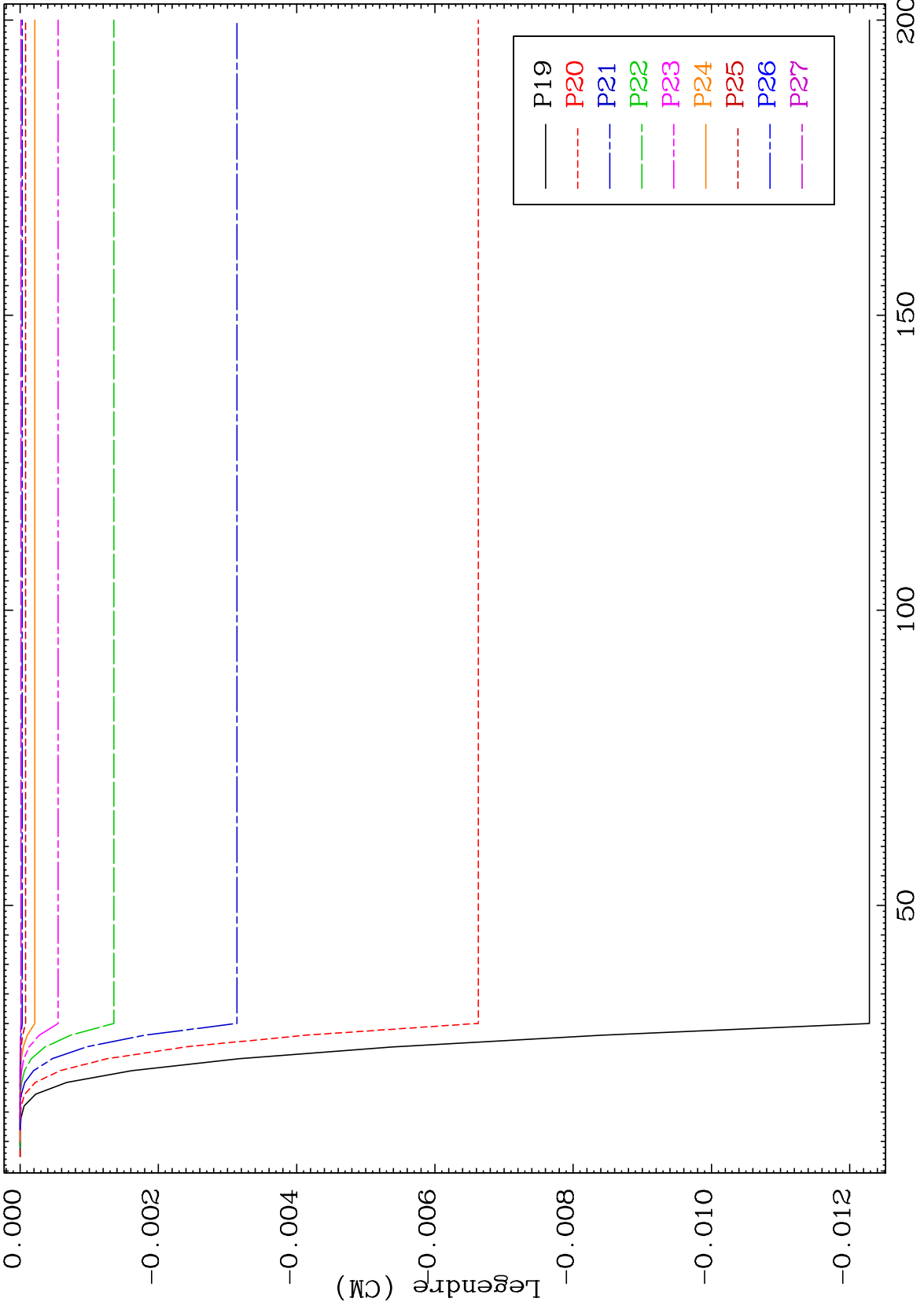
67 Incident Energy (MeV) 50-Sn-122

MAT 5055 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-122

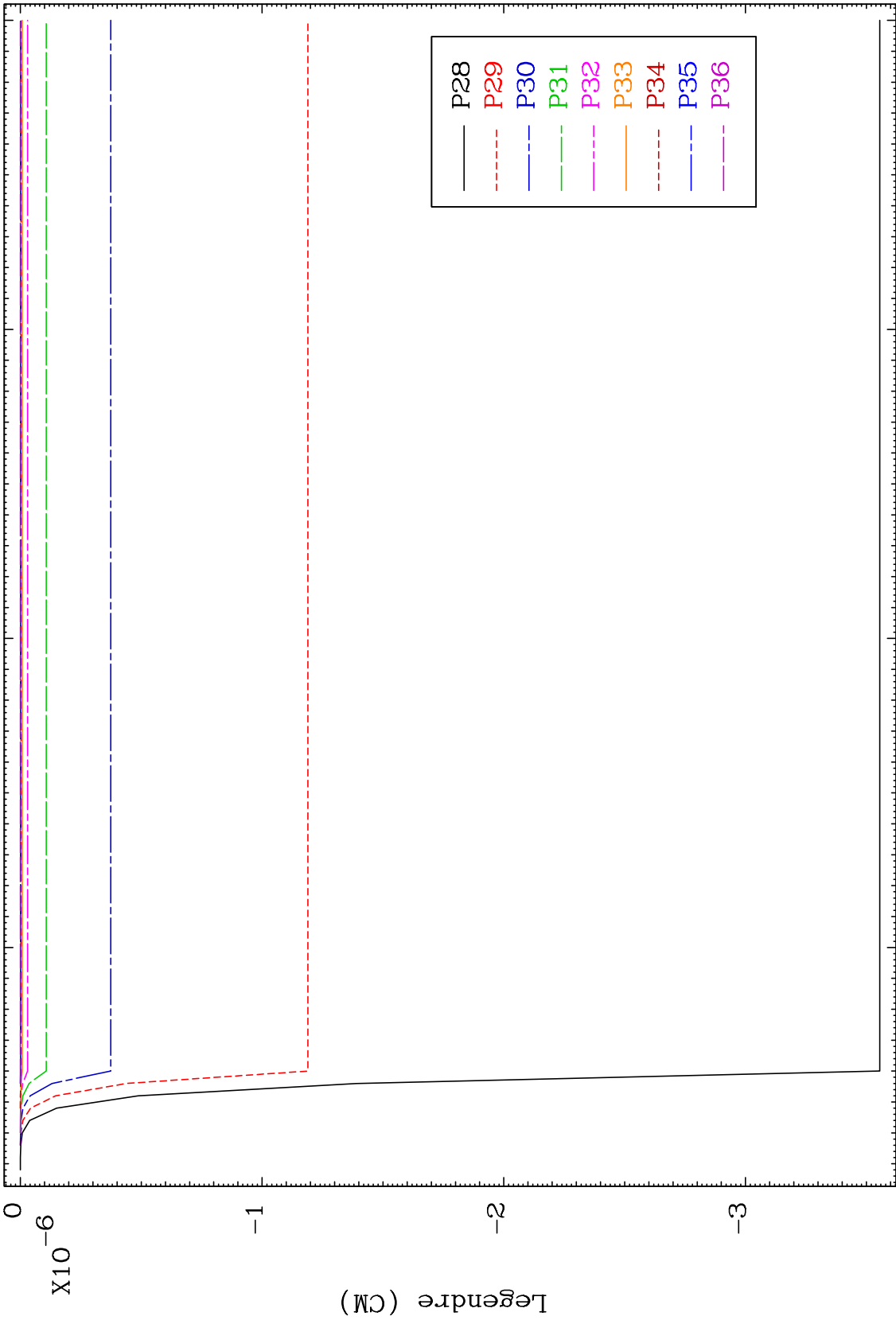


68 50-Sn-122

MAT 5055 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-122

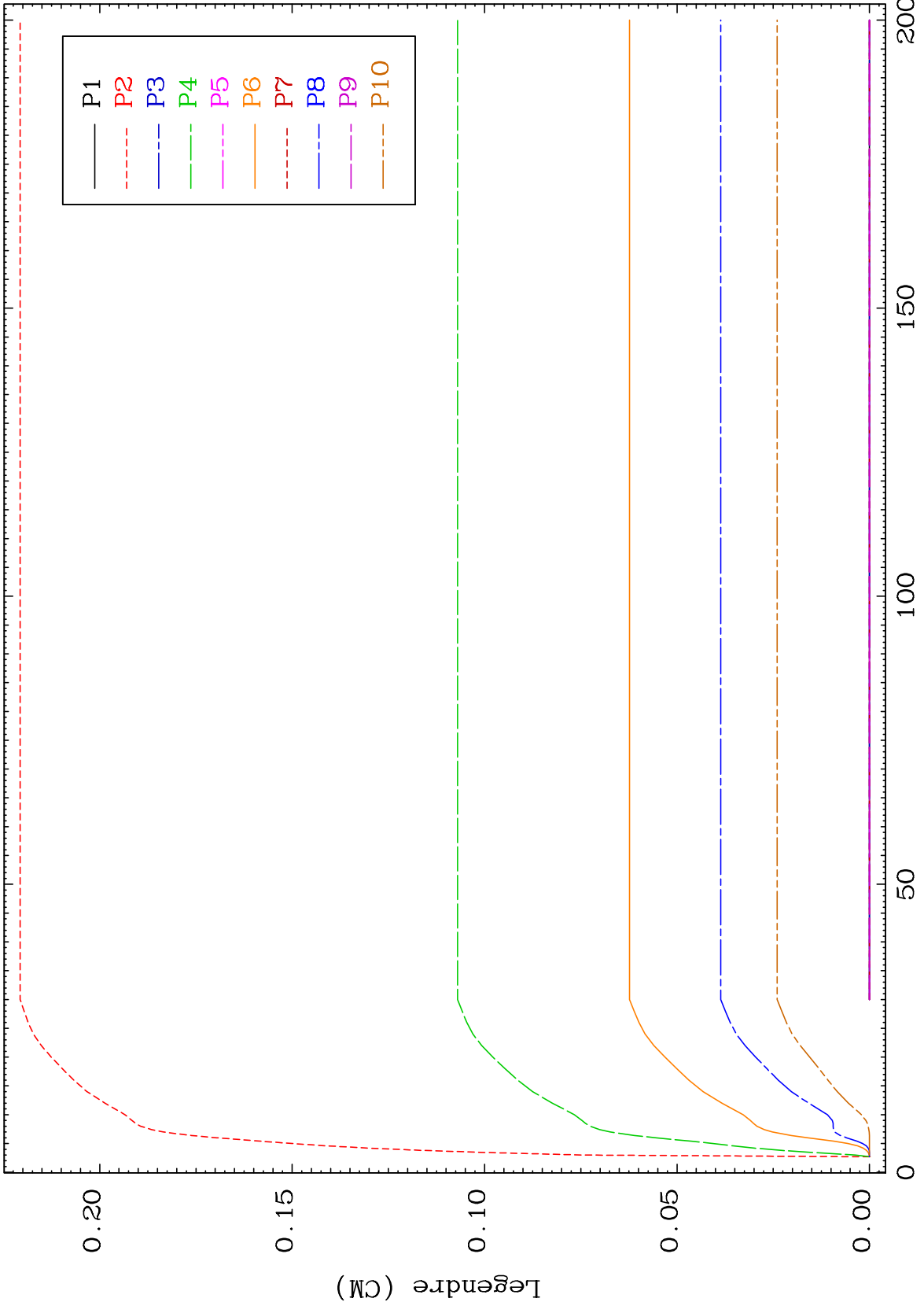


MAT 5055 MT= 64 (n,n') Level Legendre Coefficients 50-Sn-122



70 50 100 150 200 Incident Energy (MeV) 50-Sn-122

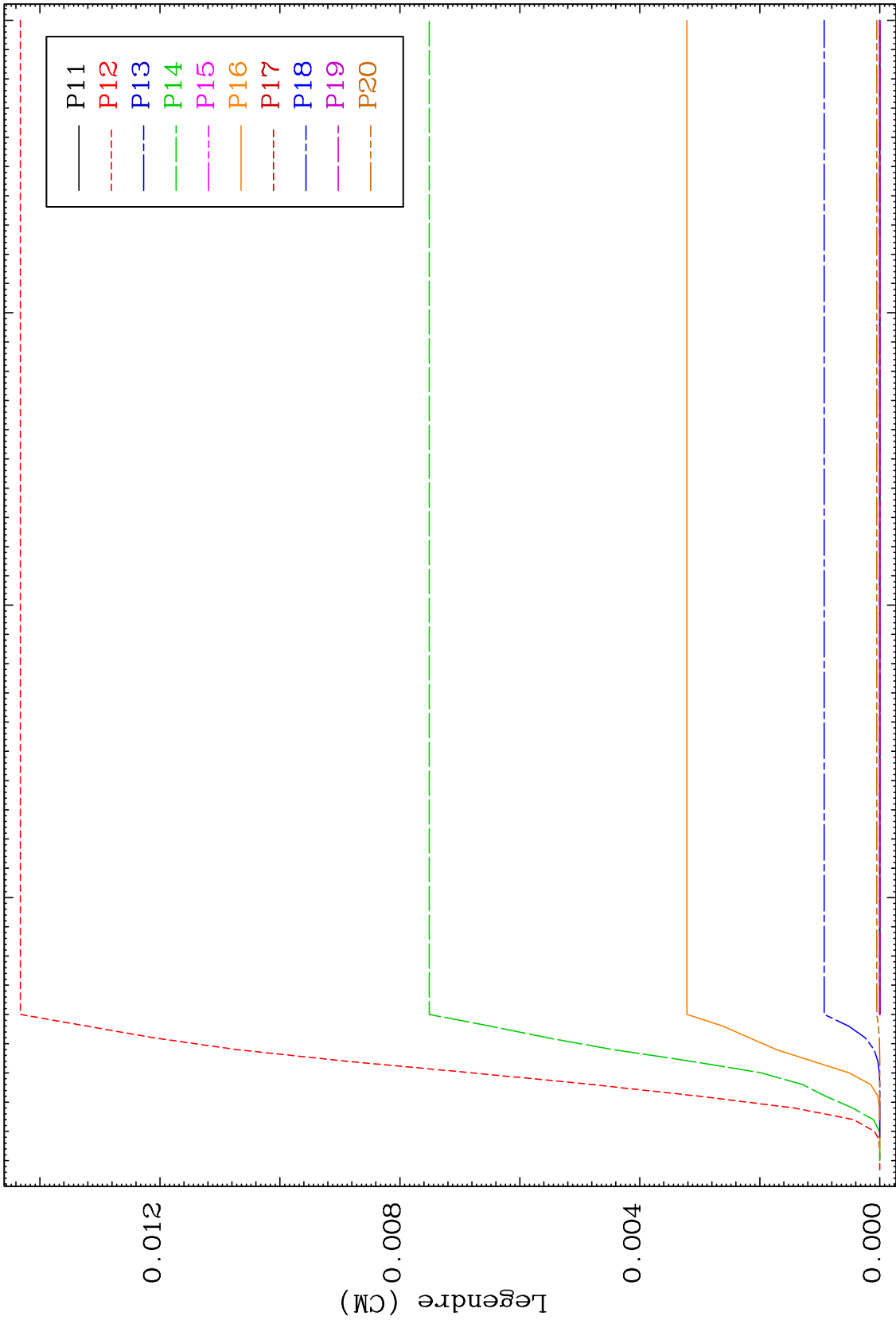
MAT 5055 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-122



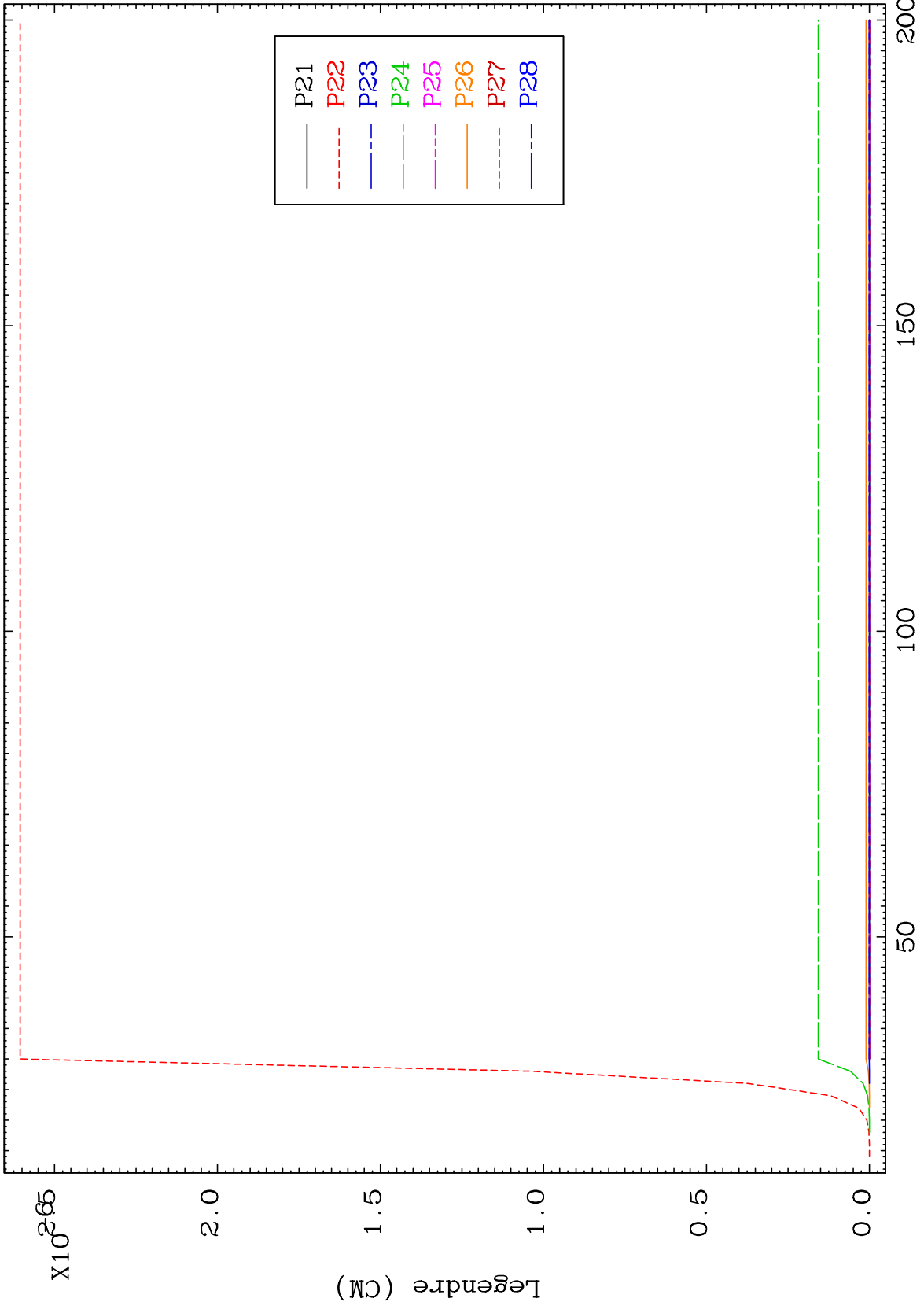
71 50-Sn-122



MAT 5055 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-122



MAT 5055 MT= 65 (n,n') Level Legendre Coefficients 50-Sn-122

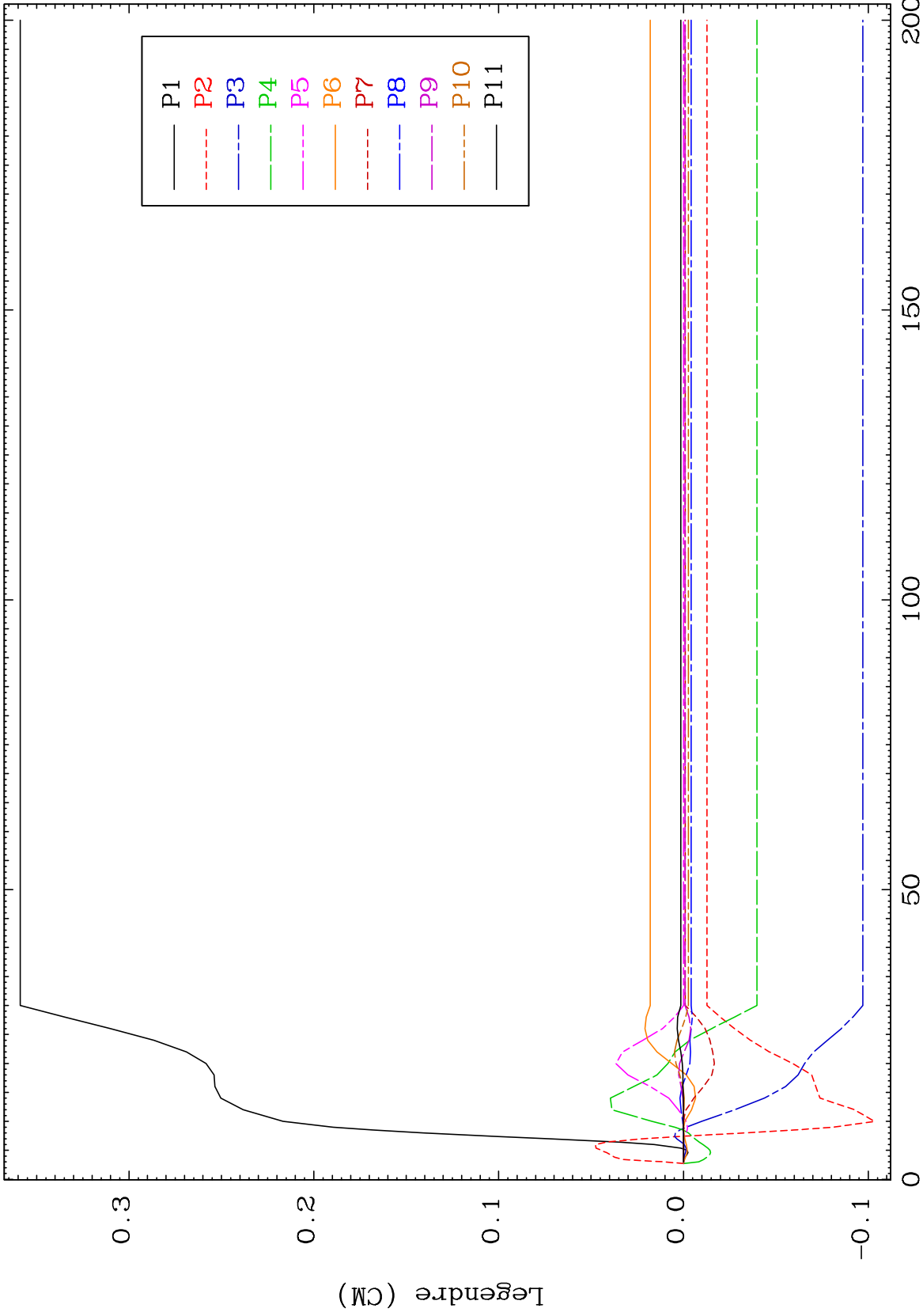


73 50-Sn-122

MAT 5055

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

50-Sn-122



74

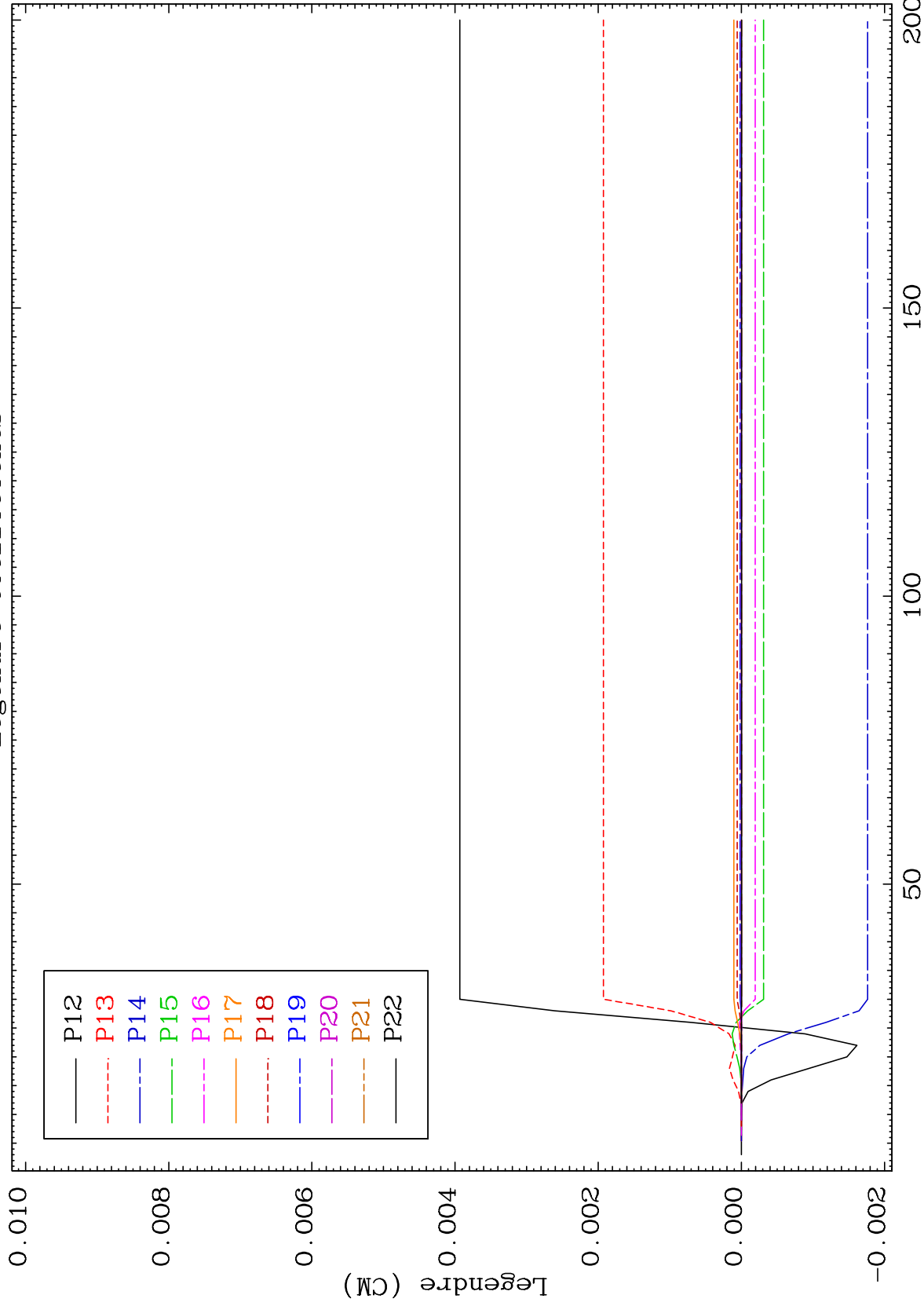
Incident Energy (MeV)

50-Sn-122

MAT 5055

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

50-Sn-122

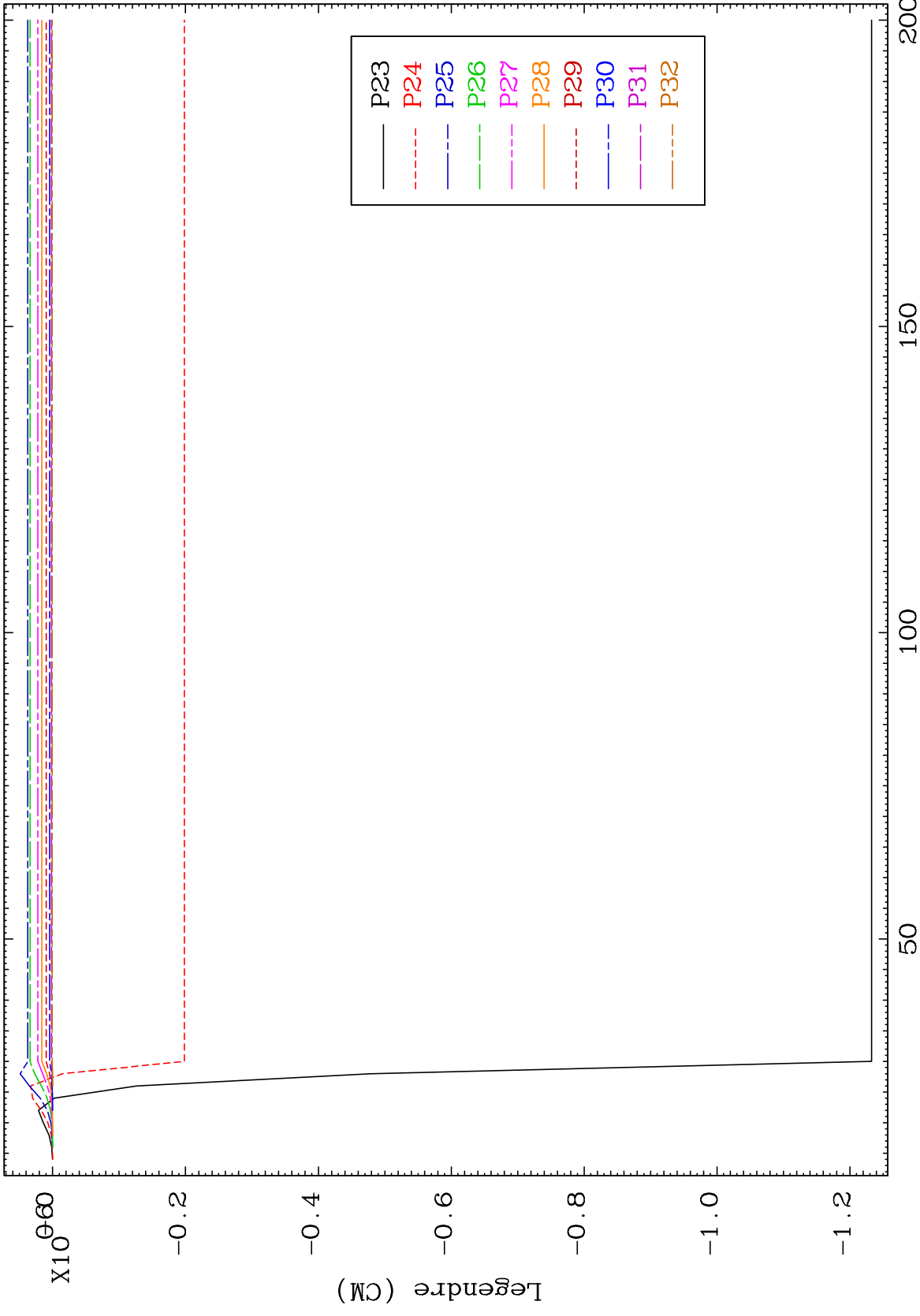


75

Incident Energy (MeV)

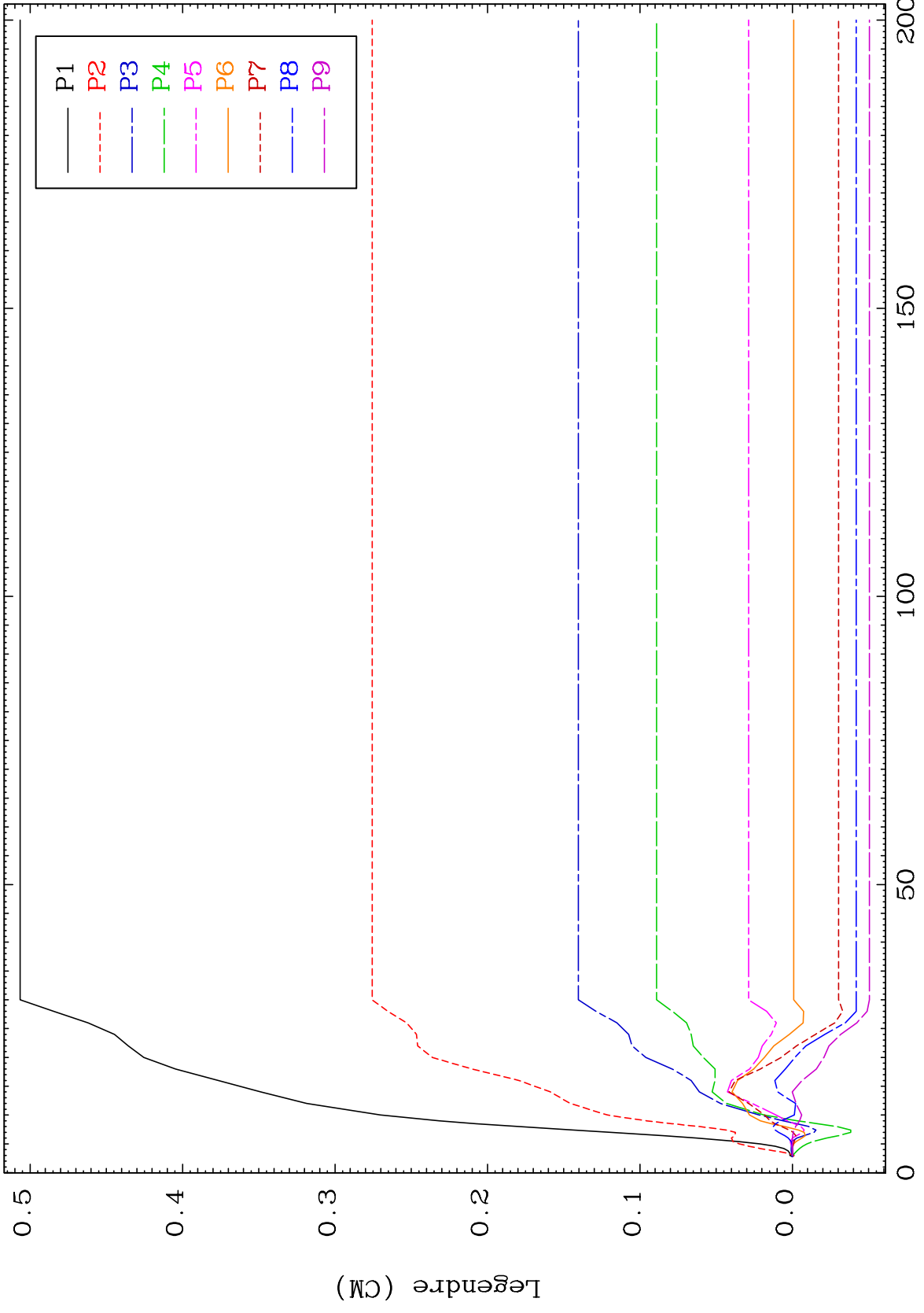
50-Sn-122

MAT 5055 MT= 66 (n,n') Level Legendre Coefficients 50-Sn-122

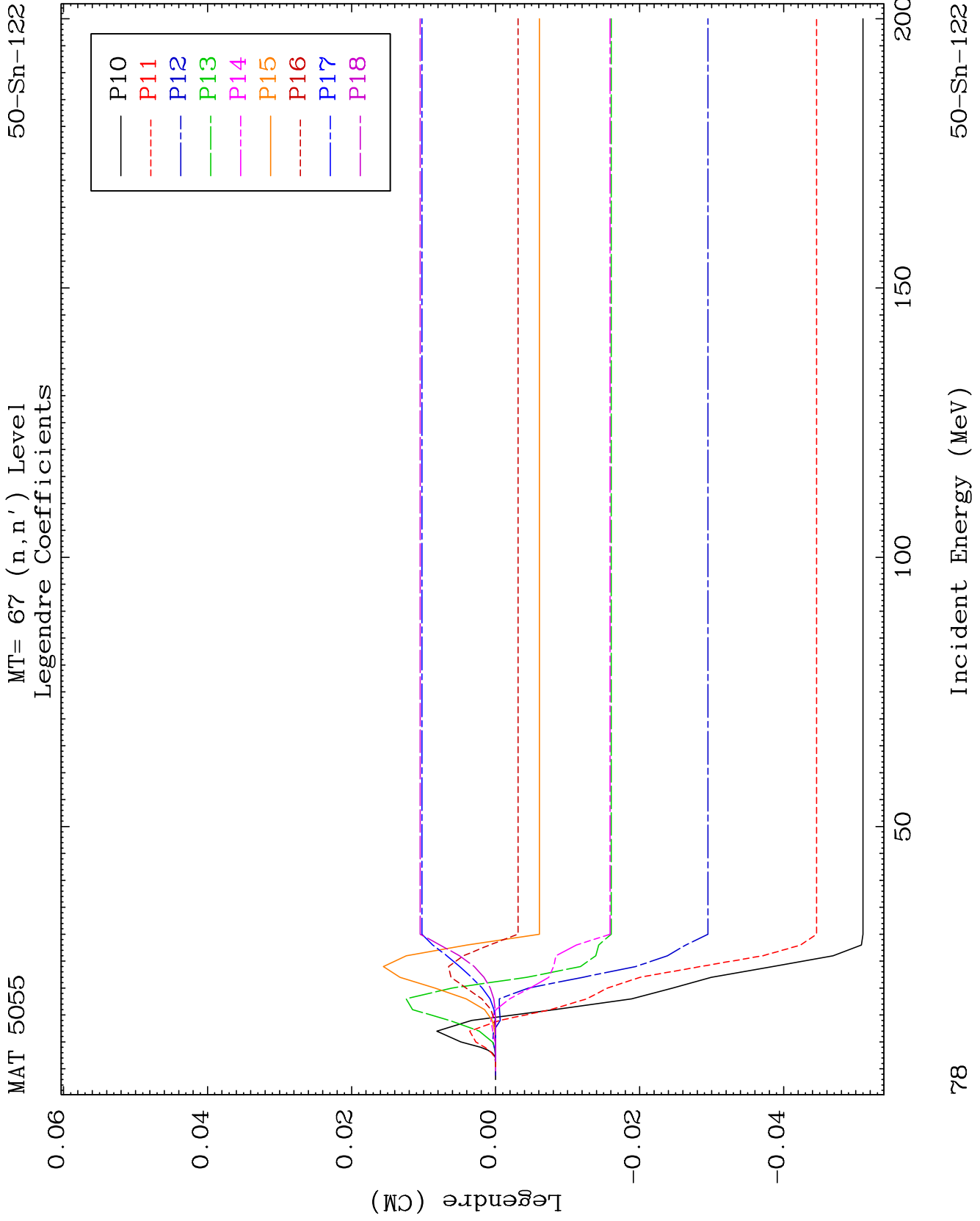


76 50-Sn-122

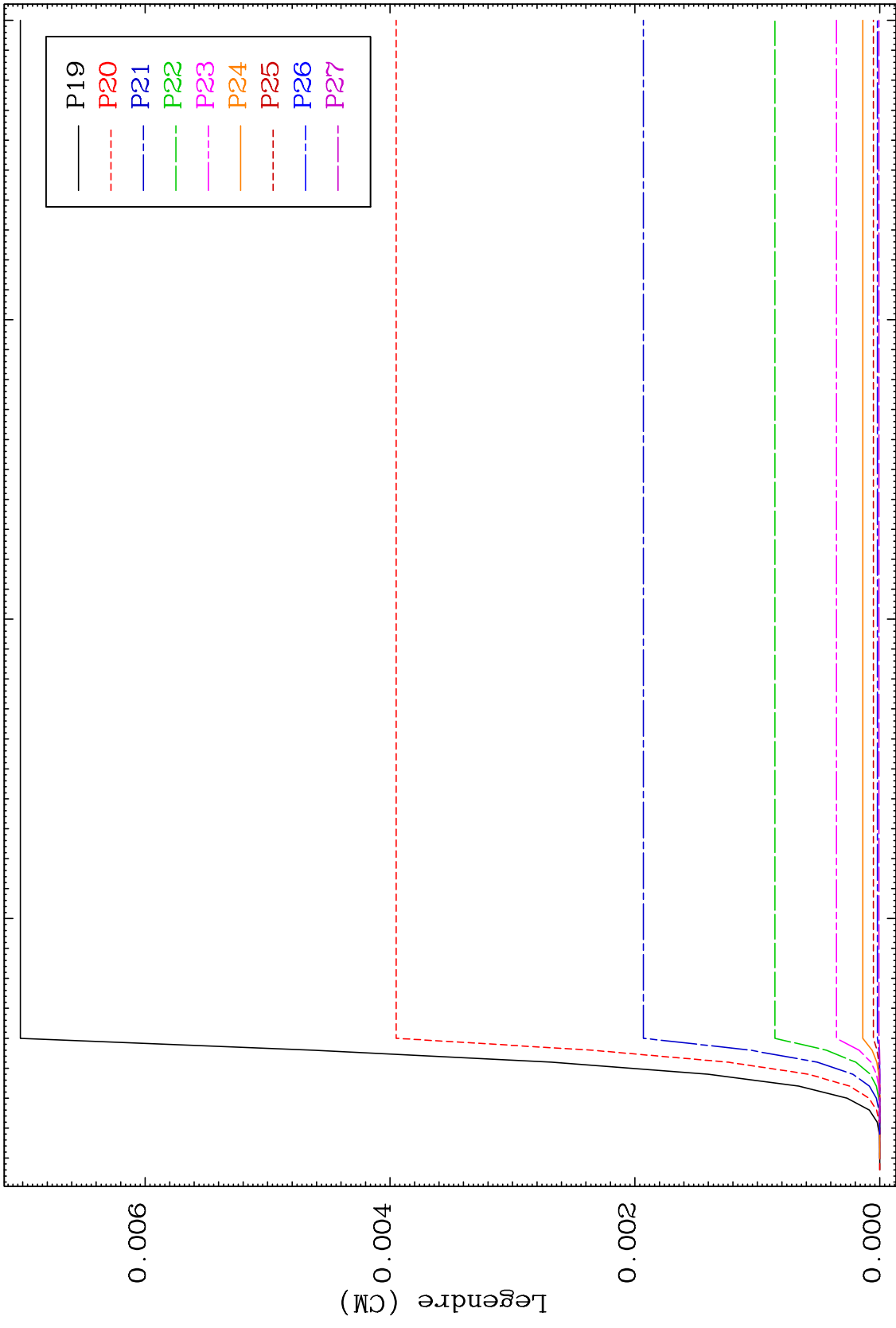
MAT 5055 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-122



77 50-Sn-122



MAT 5055 MT= 67 (n,n') Level Legendre Coefficients 50-Sn-122



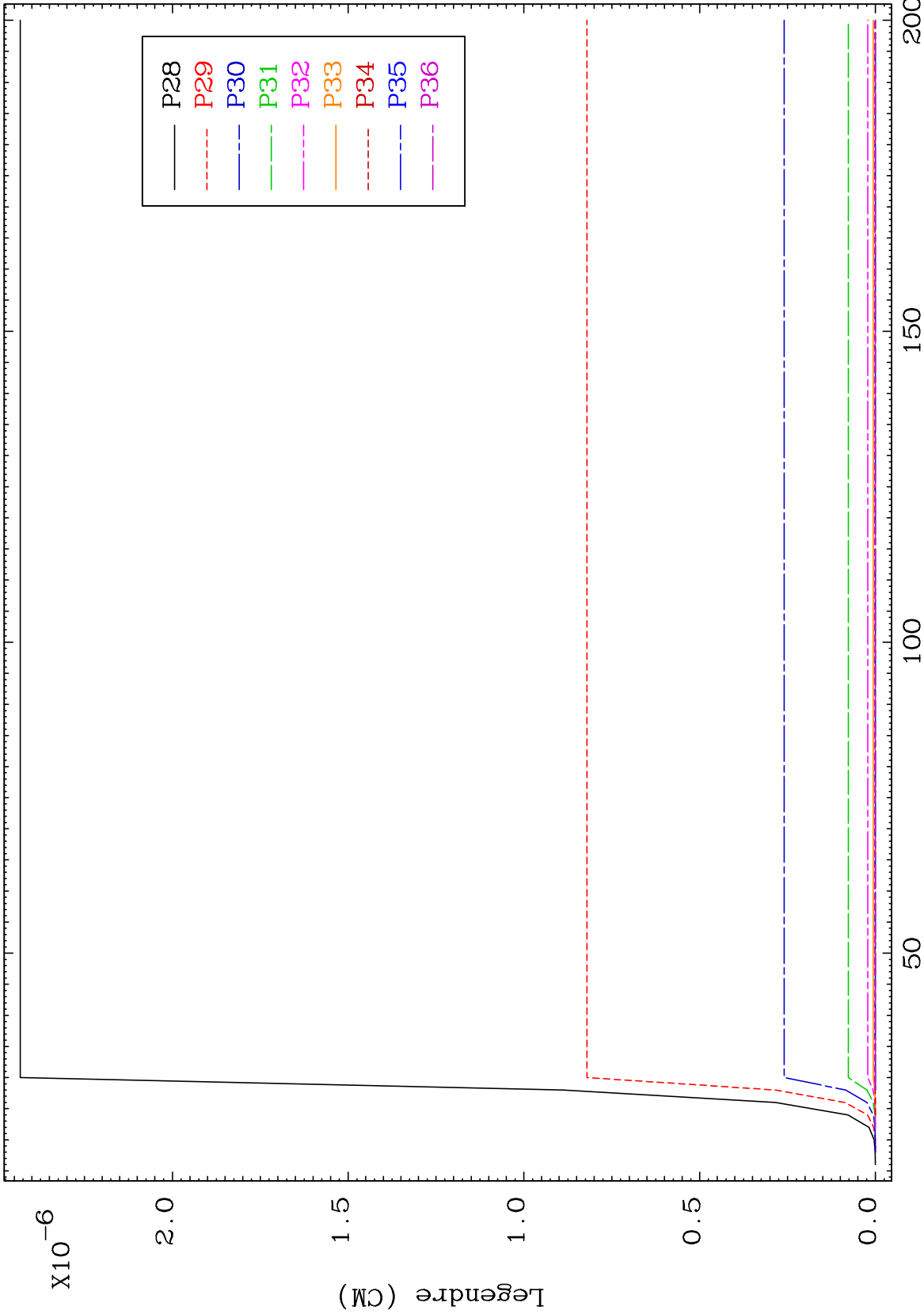
79 50-Sn-122



MAT 5055

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

50-Sn-122

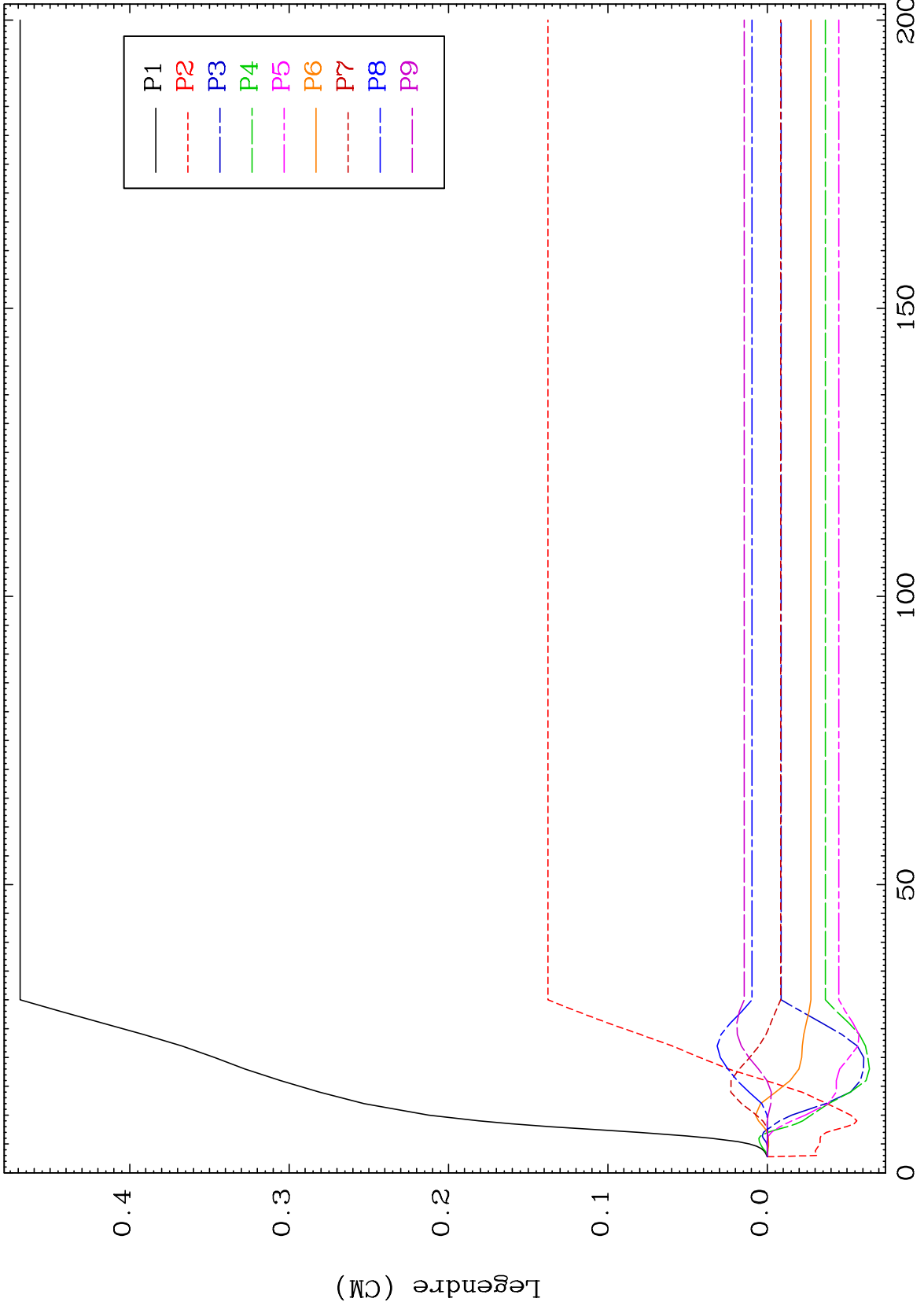


80

Incident Energy (MeV)

50-Sn-122

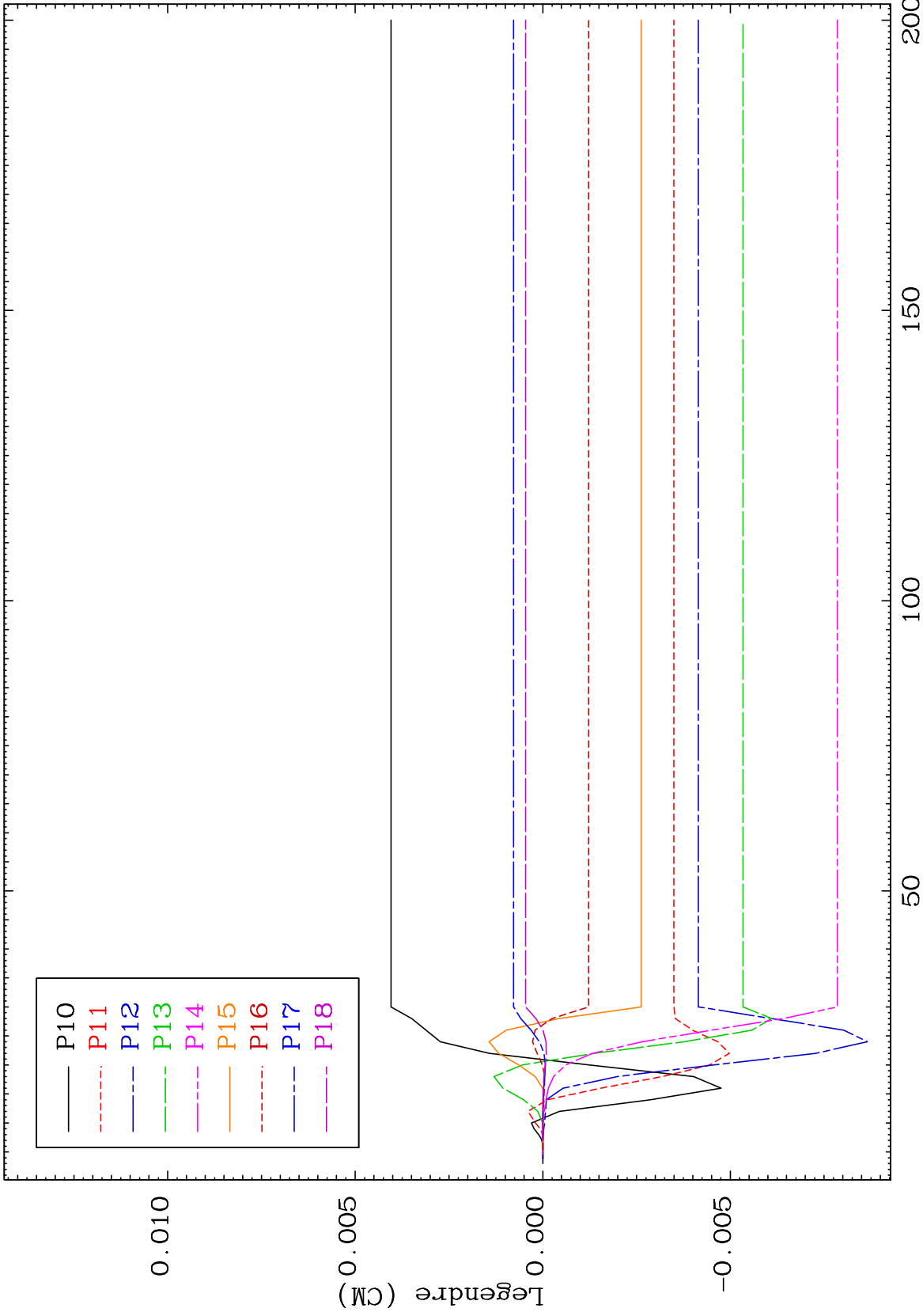
MAT 5055 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-122



MAT 5055

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

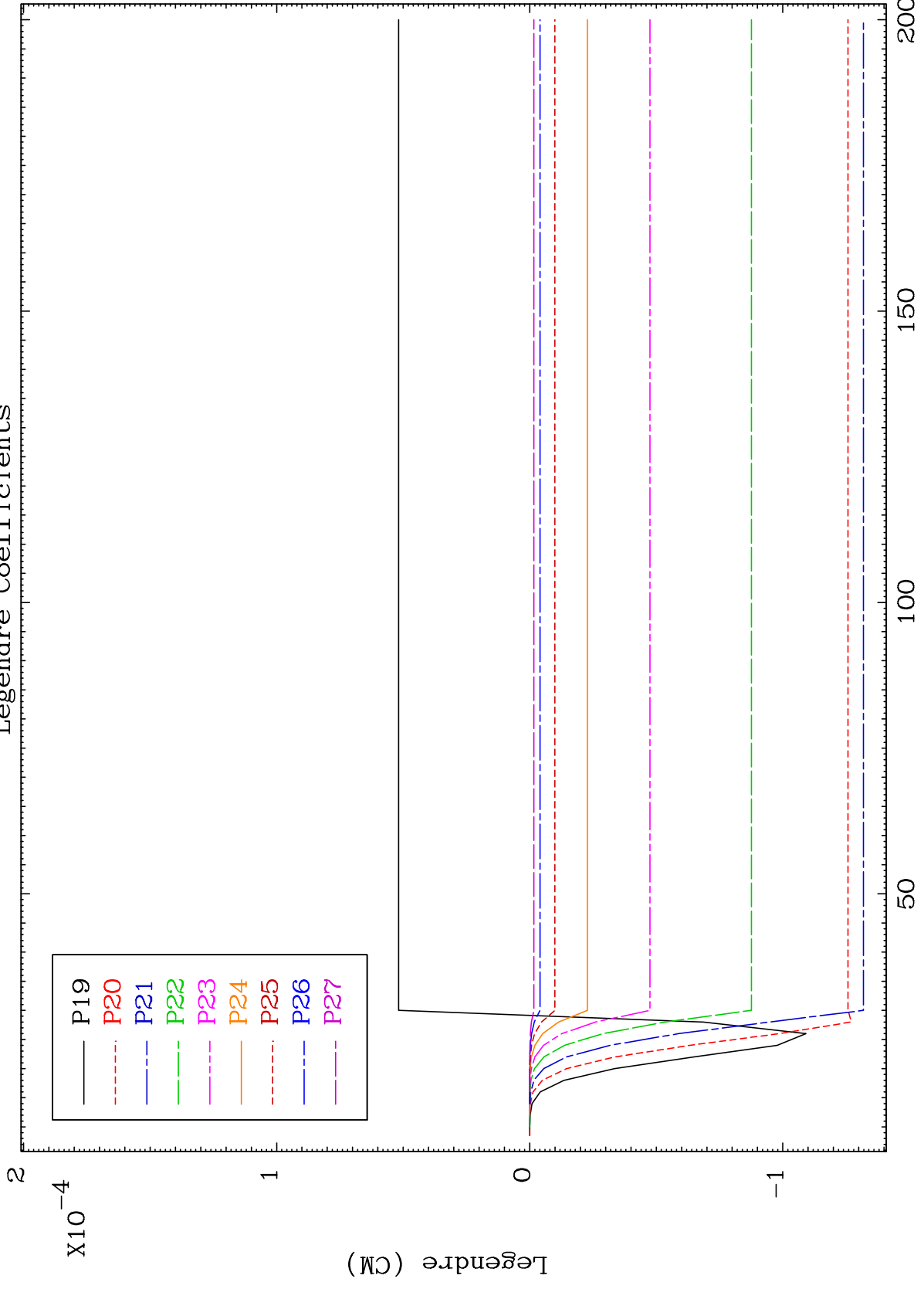
50-Sn-122



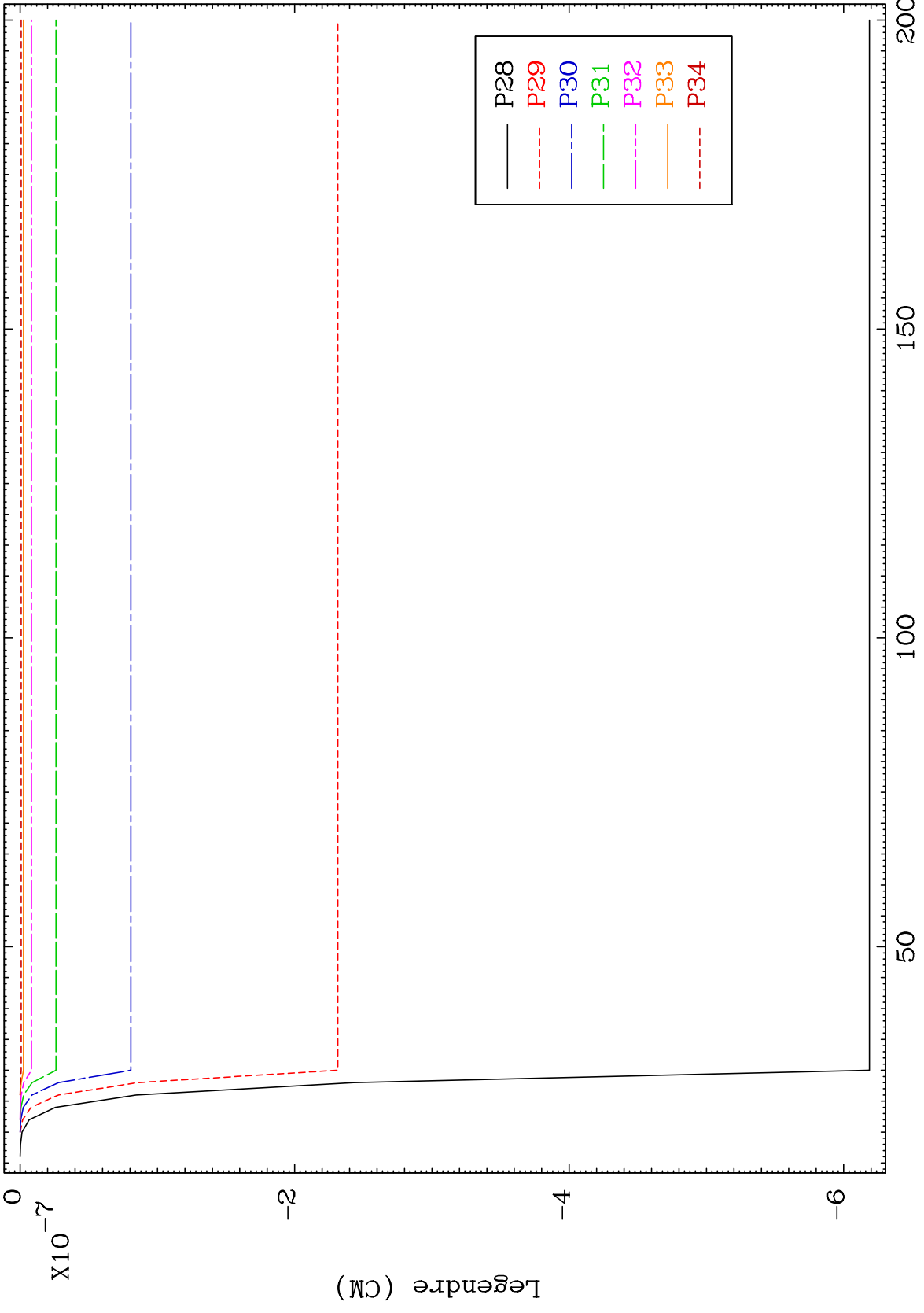
MAT 5055

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

50-Sn-122



MAT 5055 MT= 68 (n,n') Level Legendre Coefficients 50-Sn-122



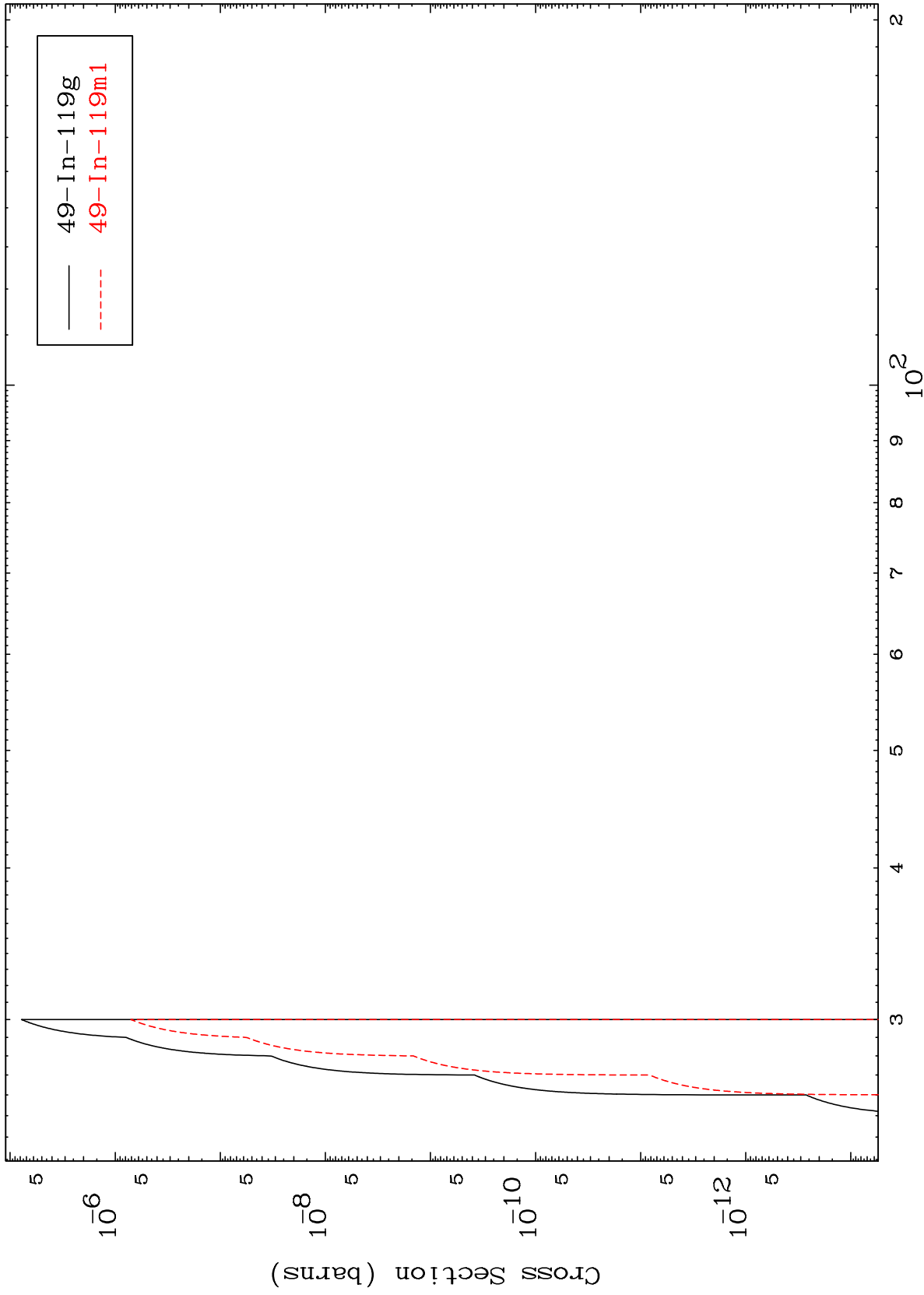
84 50-Sn-122

MAT 5055

(n,2n) d

50-Sn-122

Radionuclide Production Cross Section



85

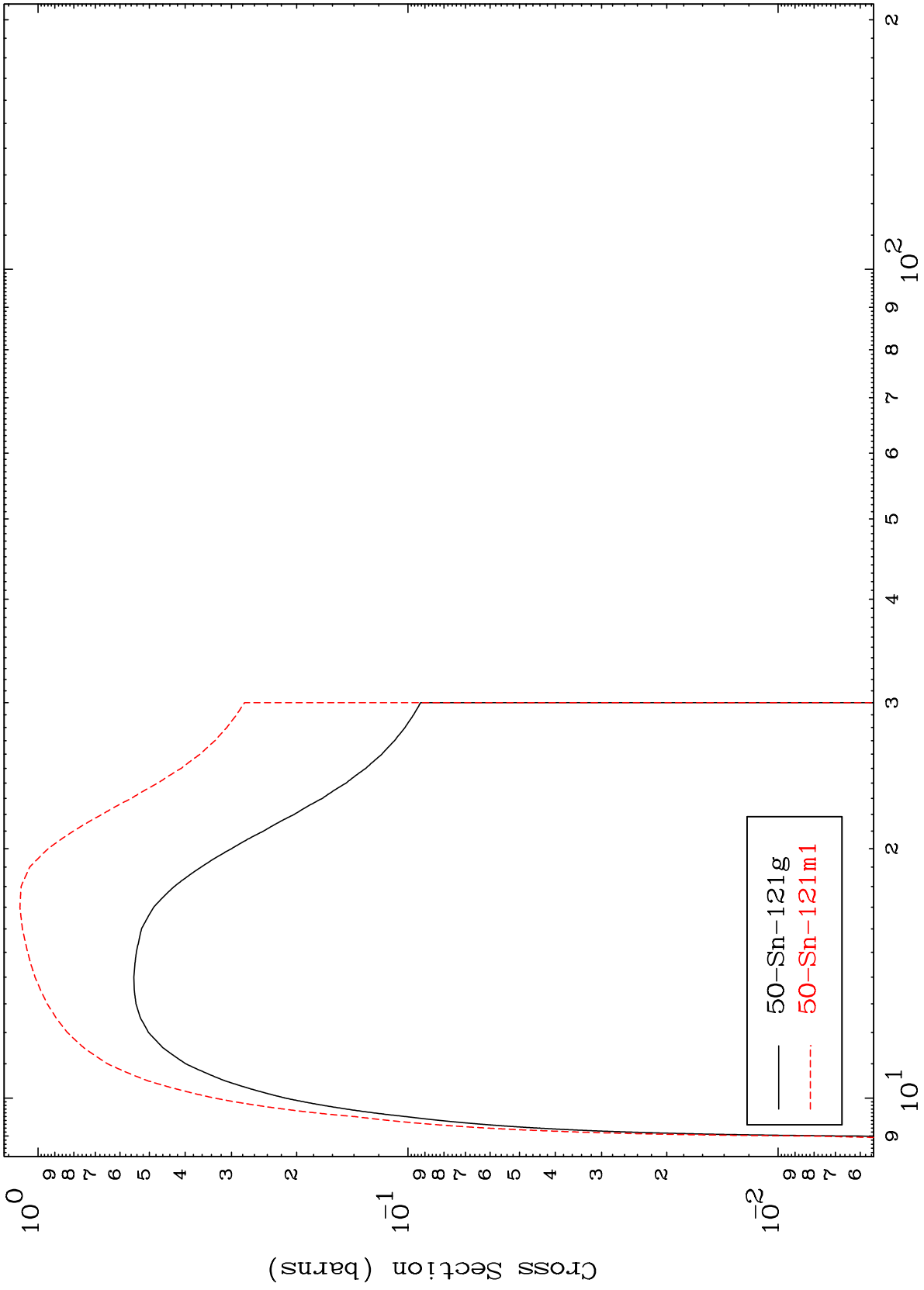
Incident Energy (MeV)

50-Sn-122

MAT 5055

50-Sn-122

(n,2n)  
Radionuclide Production Cross Section



86

Incident Energy (MeV)

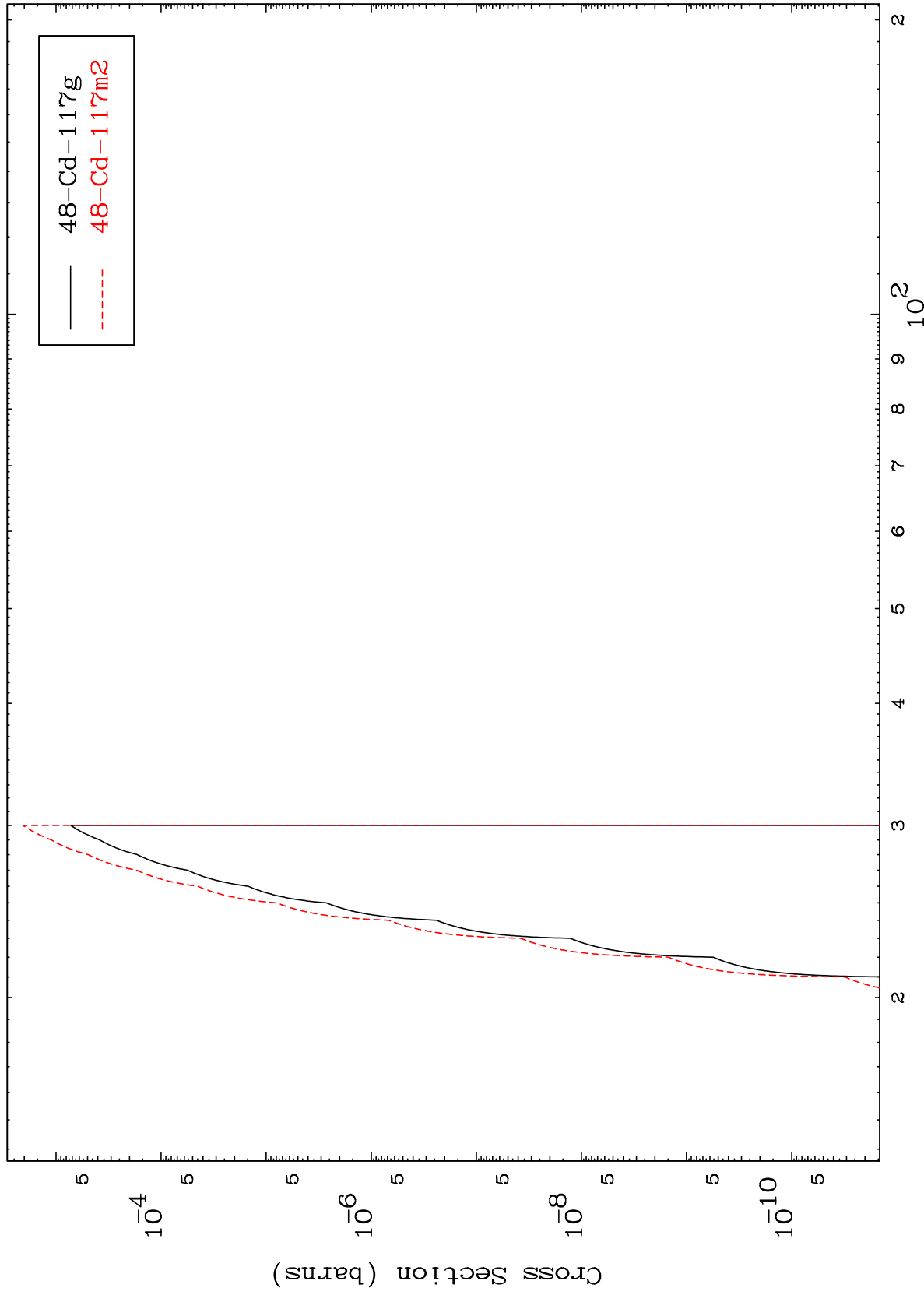
50-Sn-122

MAT 5055

(n,2n)  $\alpha$

50-Sn-122

Radionuclide Production Cross Section



87

Incident Energy (MeV)

50-Sn-122

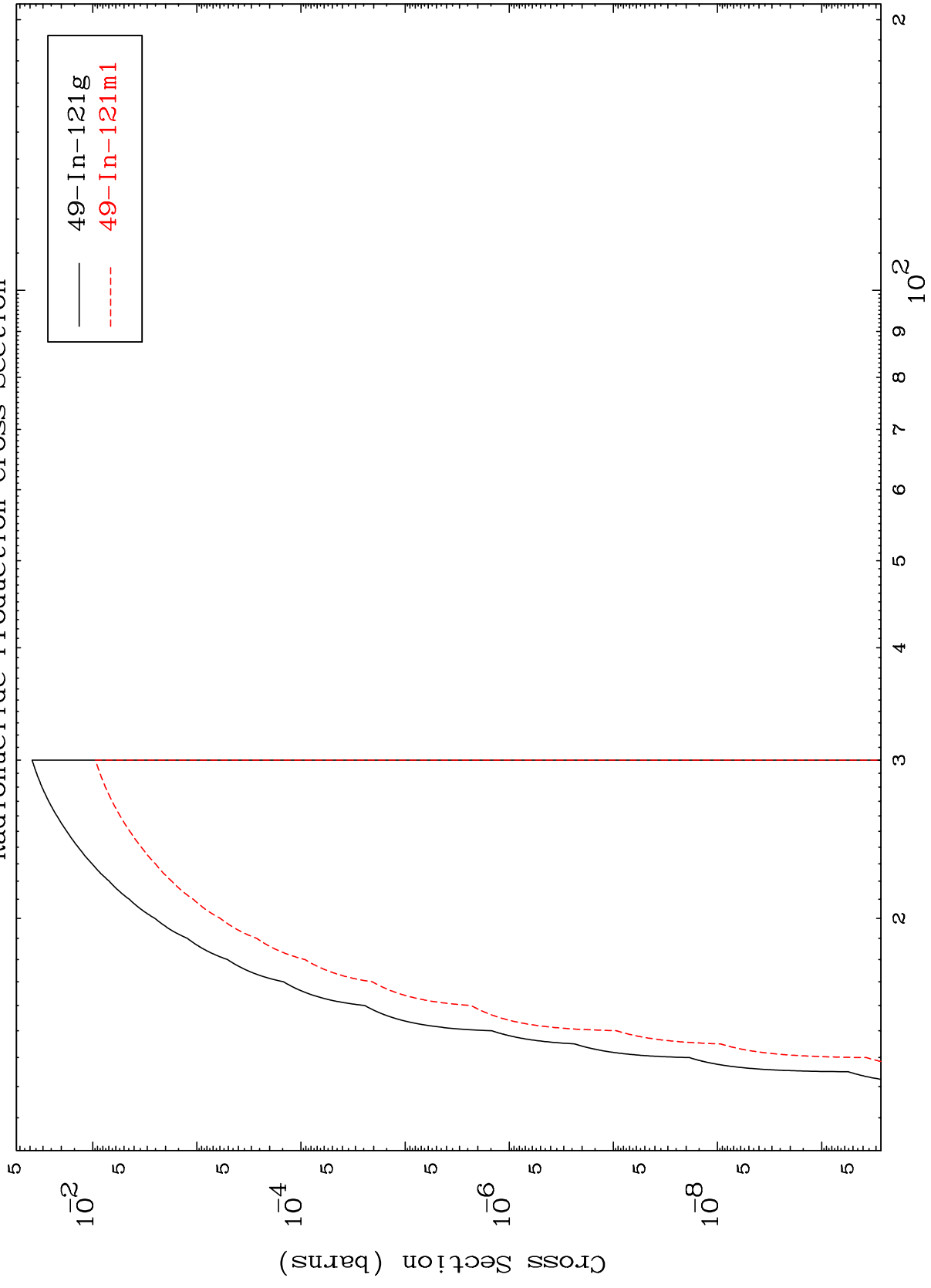


MAT 5055

(n,n') p

50-Sn-122

Radionuclide Production Cross Section



88

Incident Energy (MeV)

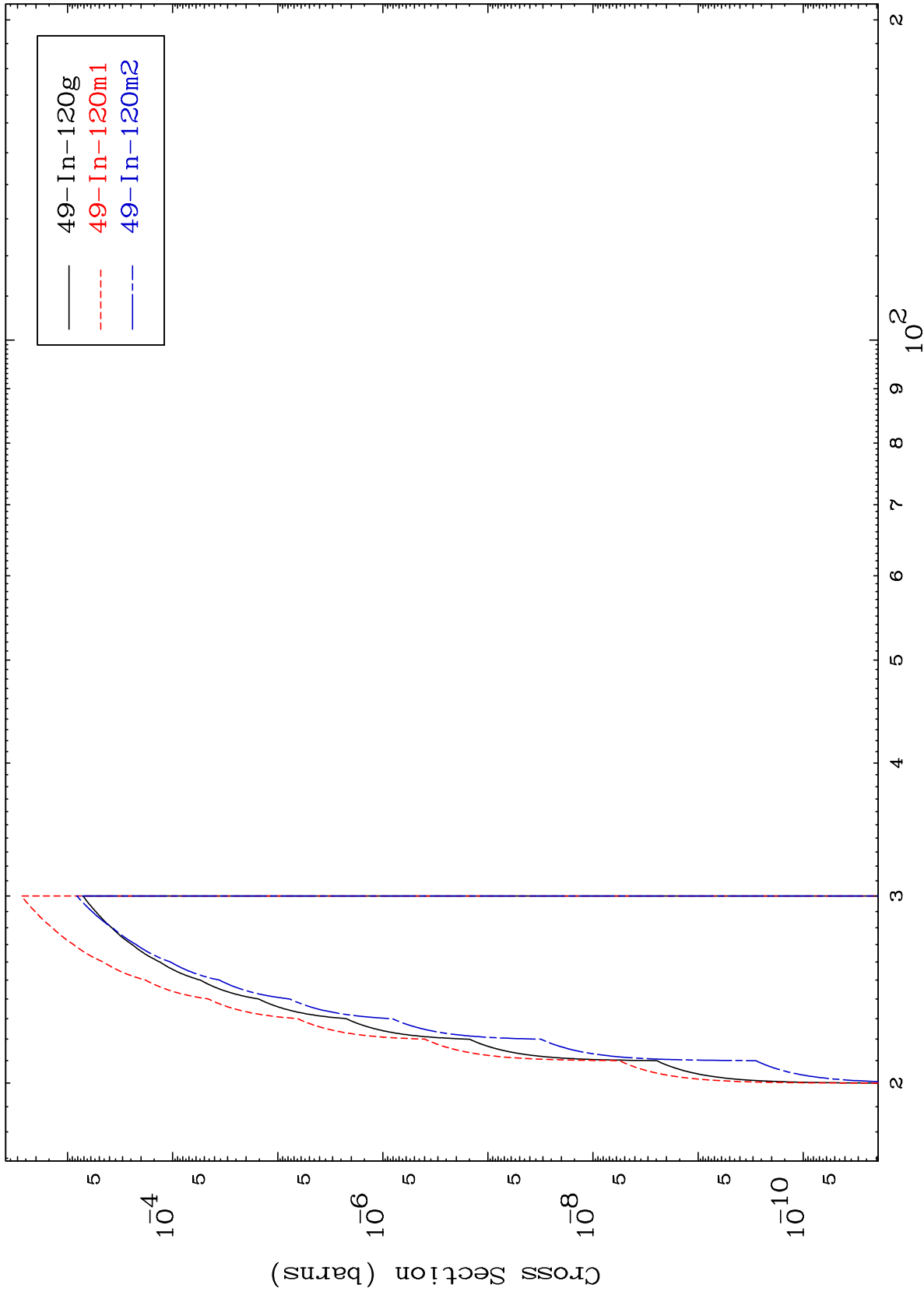
50-Sn-122

MAT 5055

(n,n') d

50-Sn-122

Radionuclide Production Cross Section



89

Incident Energy (MeV)

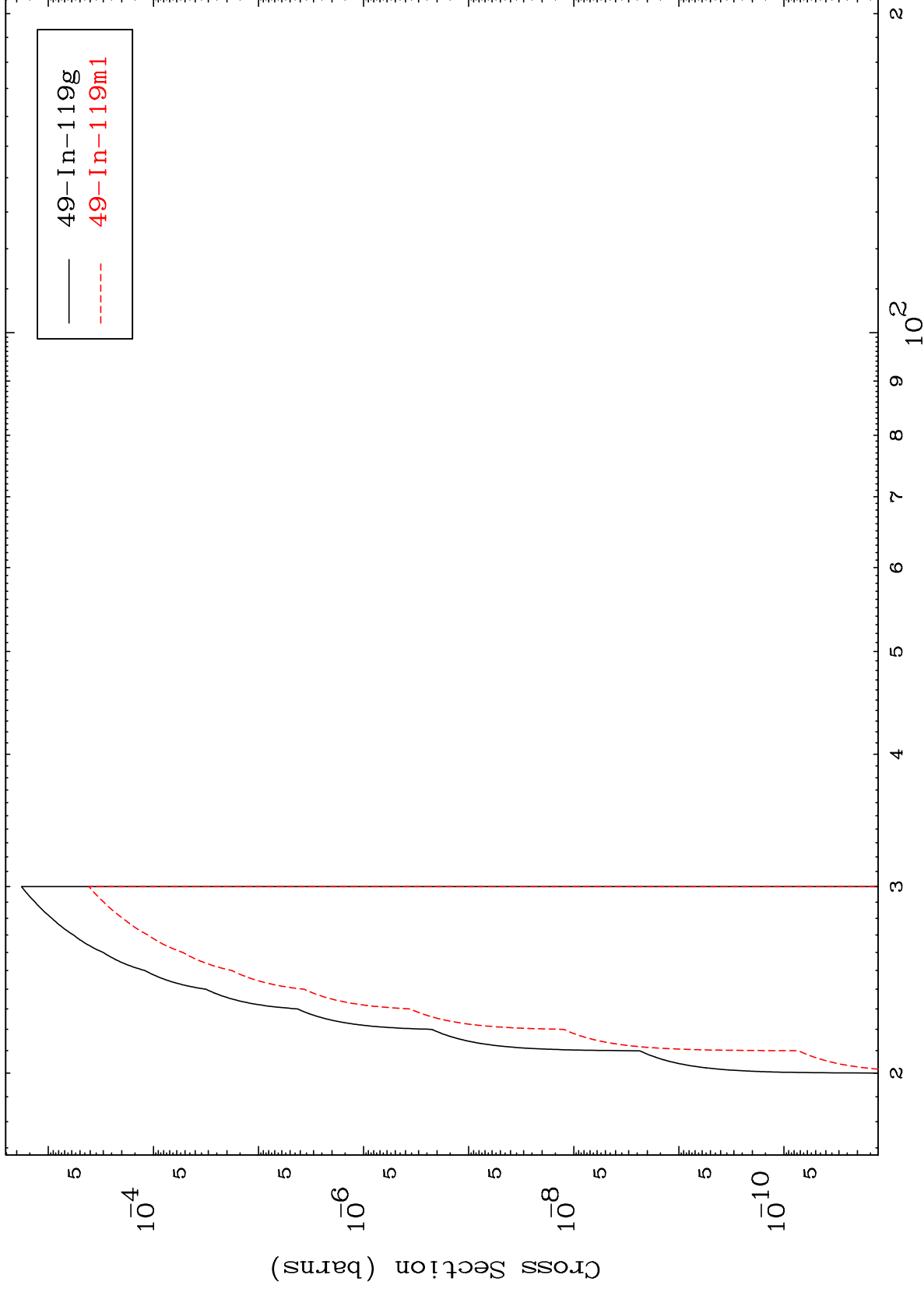
50-Sn-122

MAT 5055

(n,n') t

50-Sn-122

Radionuclide Production Cross Section



90

Incident Energy (MeV)

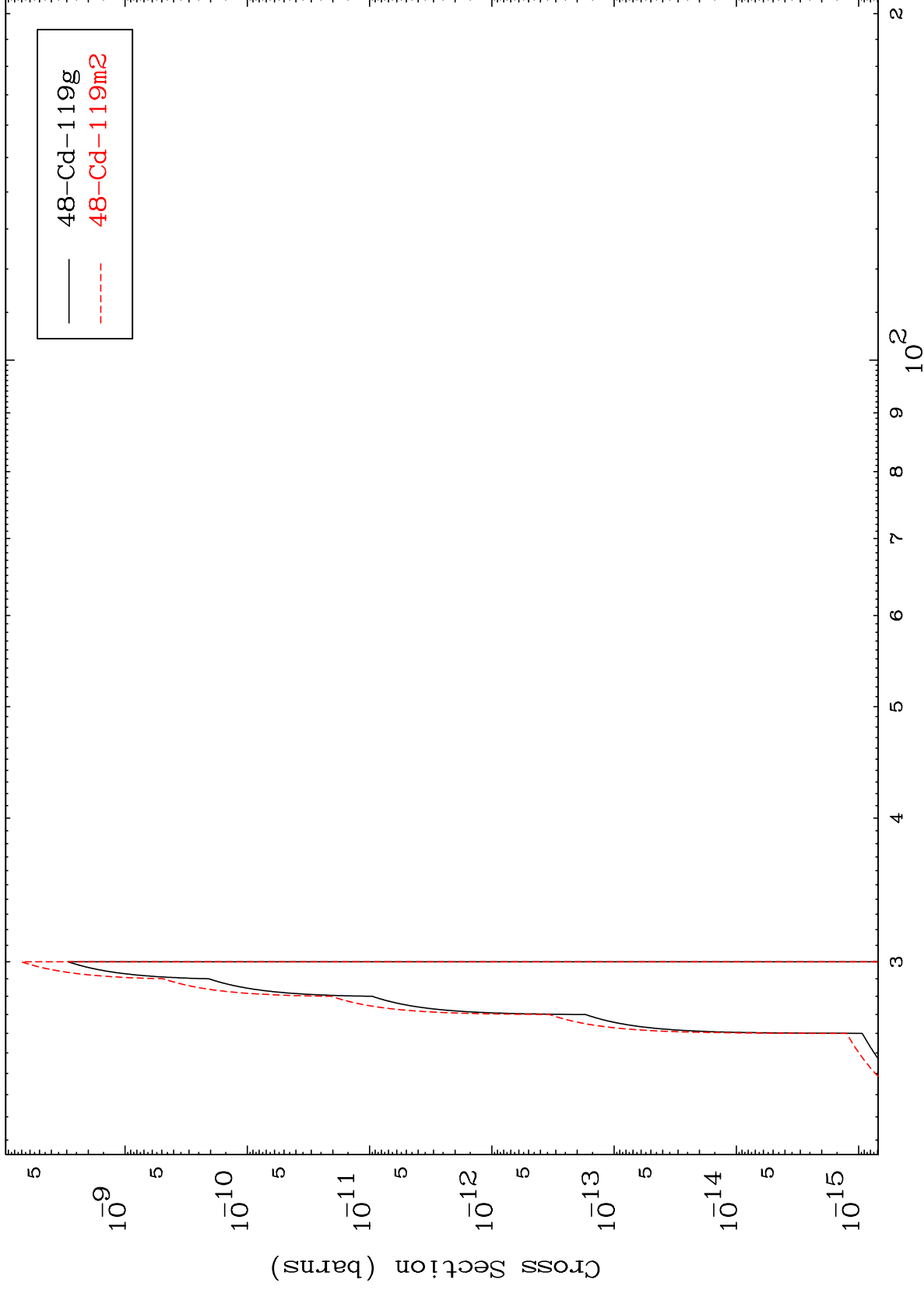
50-Sn-122

MAT 5055

(n, n') He-3

50-Sn-122

Radionuclide Production Cross Section



91

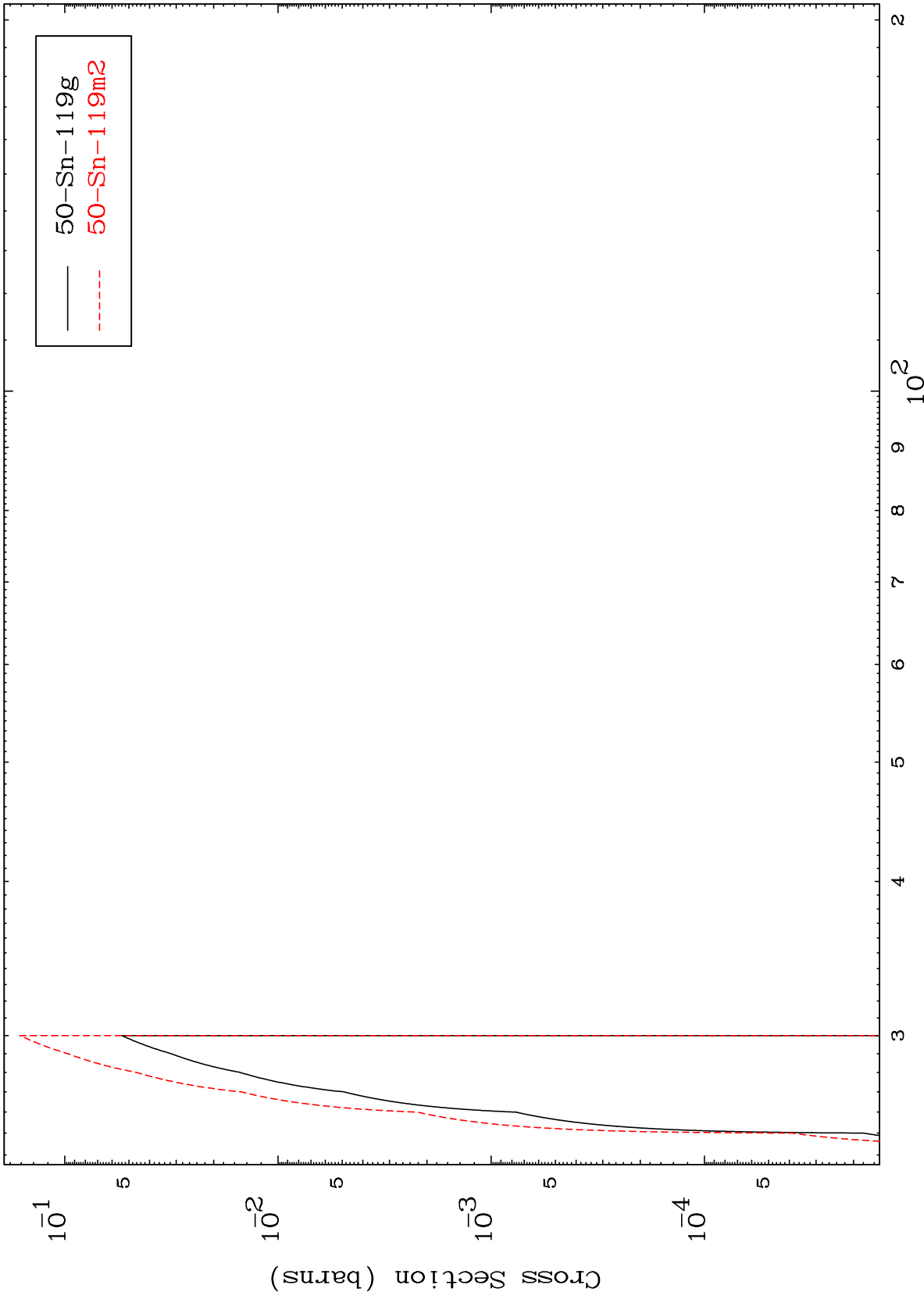
Incident Energy (MeV)

50-Sn-122

MAT 5055

50-Sn-122

(n,4n)  
Radionuclide Production Cross Section



92

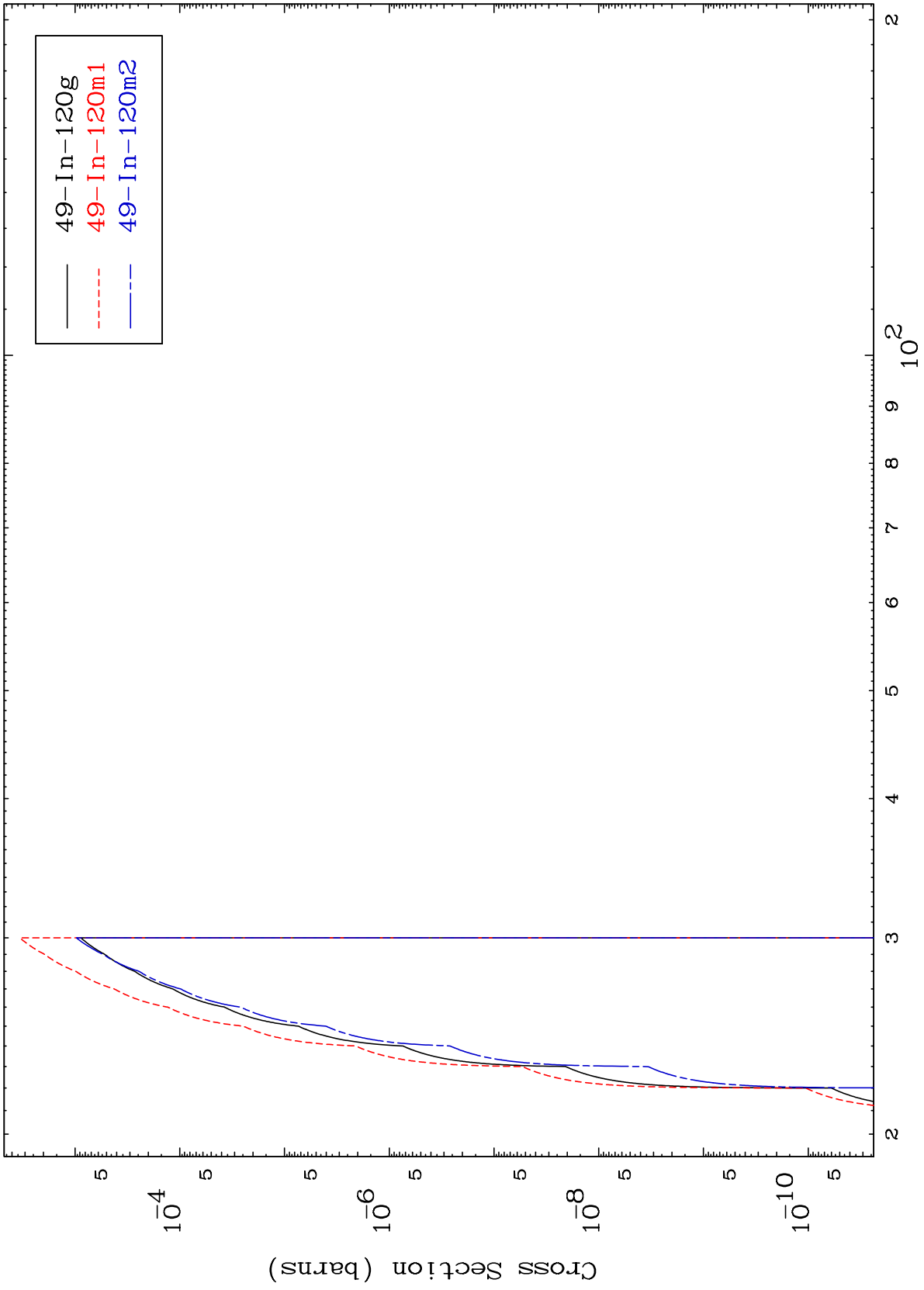
50-Sn-122

MAT 5055

(n,2n) p

50-Sn-122

Radionuclide Production Cross Section



93

Incident Energy (MeV)

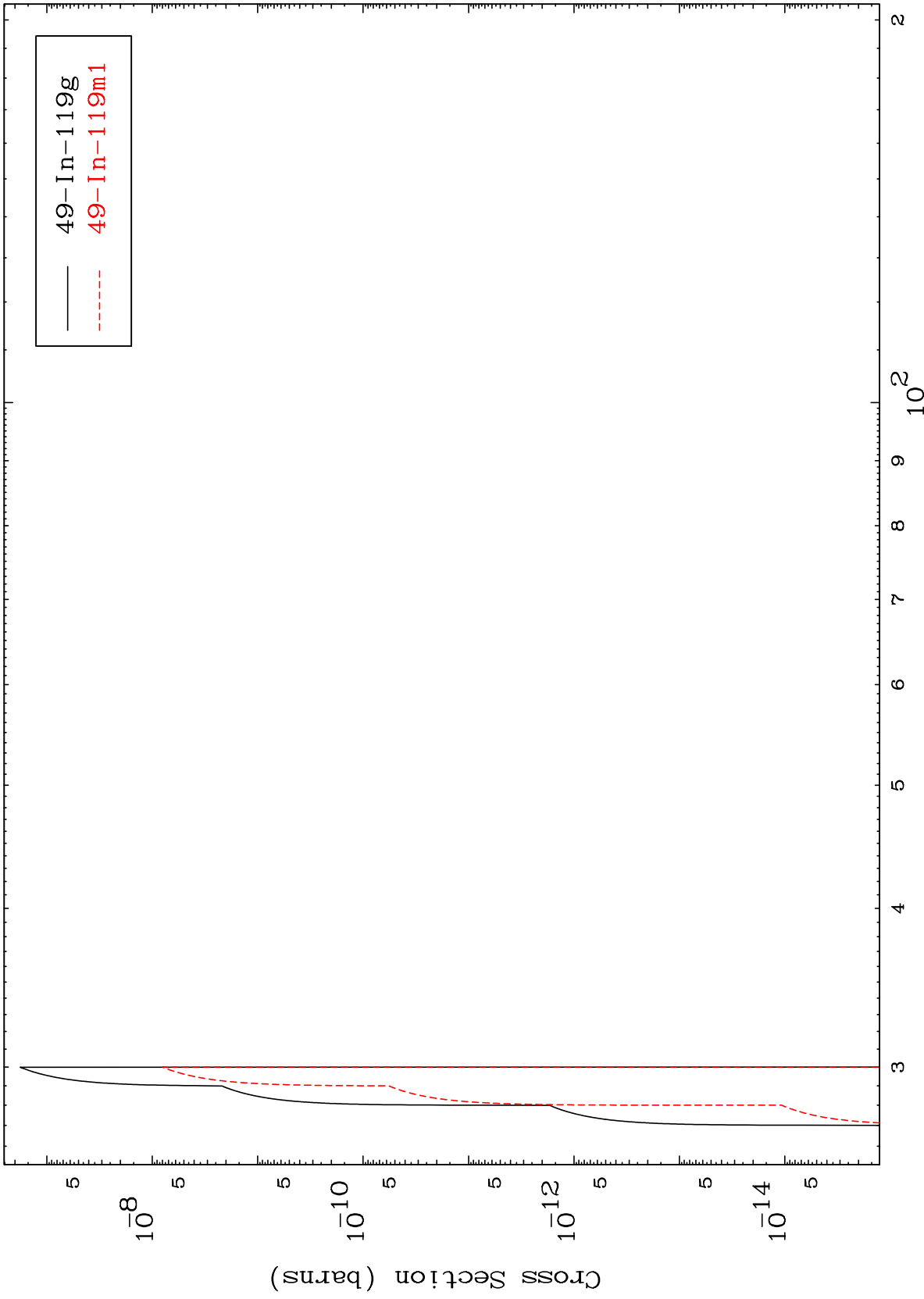
50-Sn-122

MAT 5055

(n,3n) p

50-Sn-122

Radionuclide Production Cross Section



94

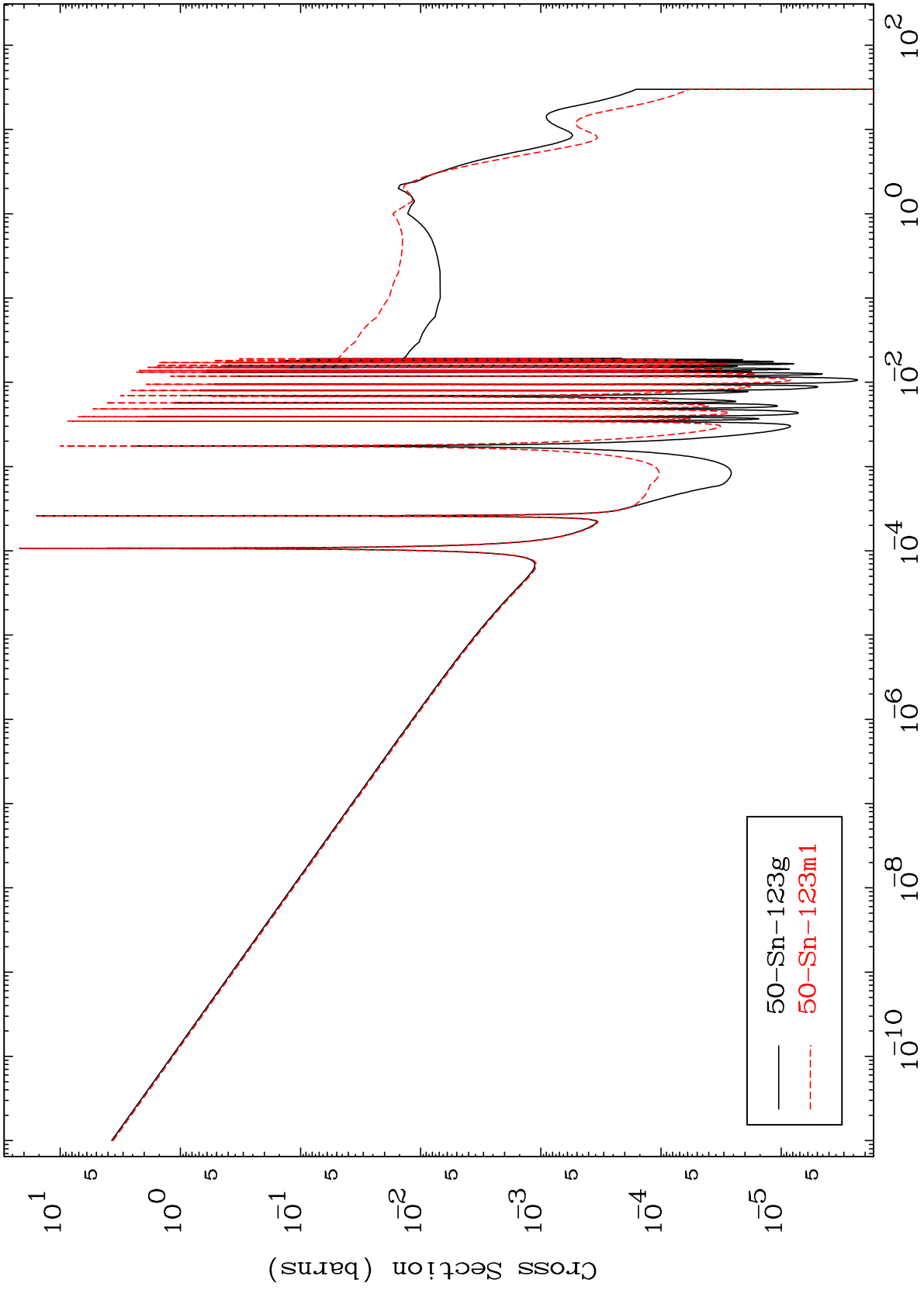
Incident Energy (MeV)

50-Sn-122

MAT 5055

50-Sn-122

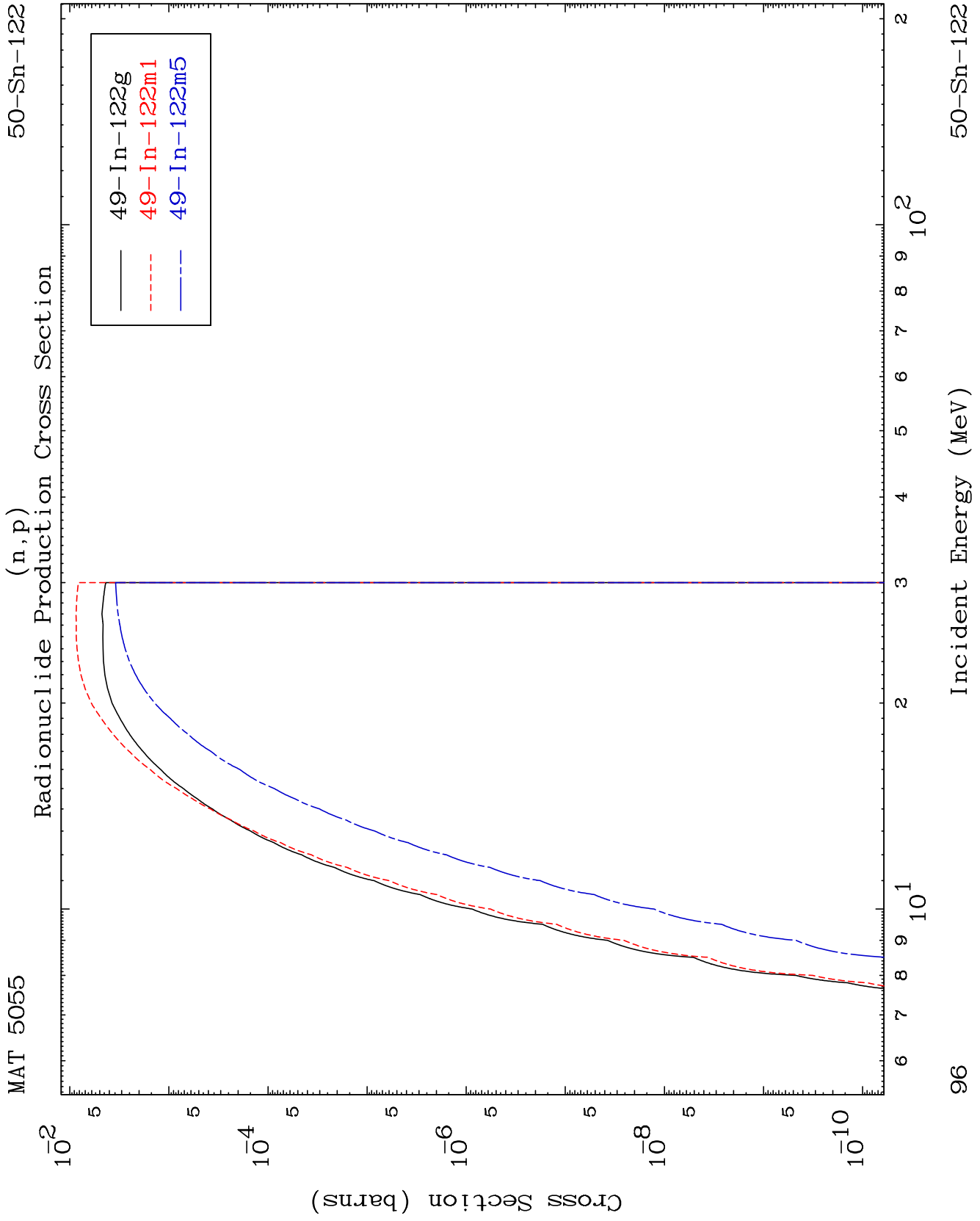
(n,γ)  
Radionuclide Production Cross Section

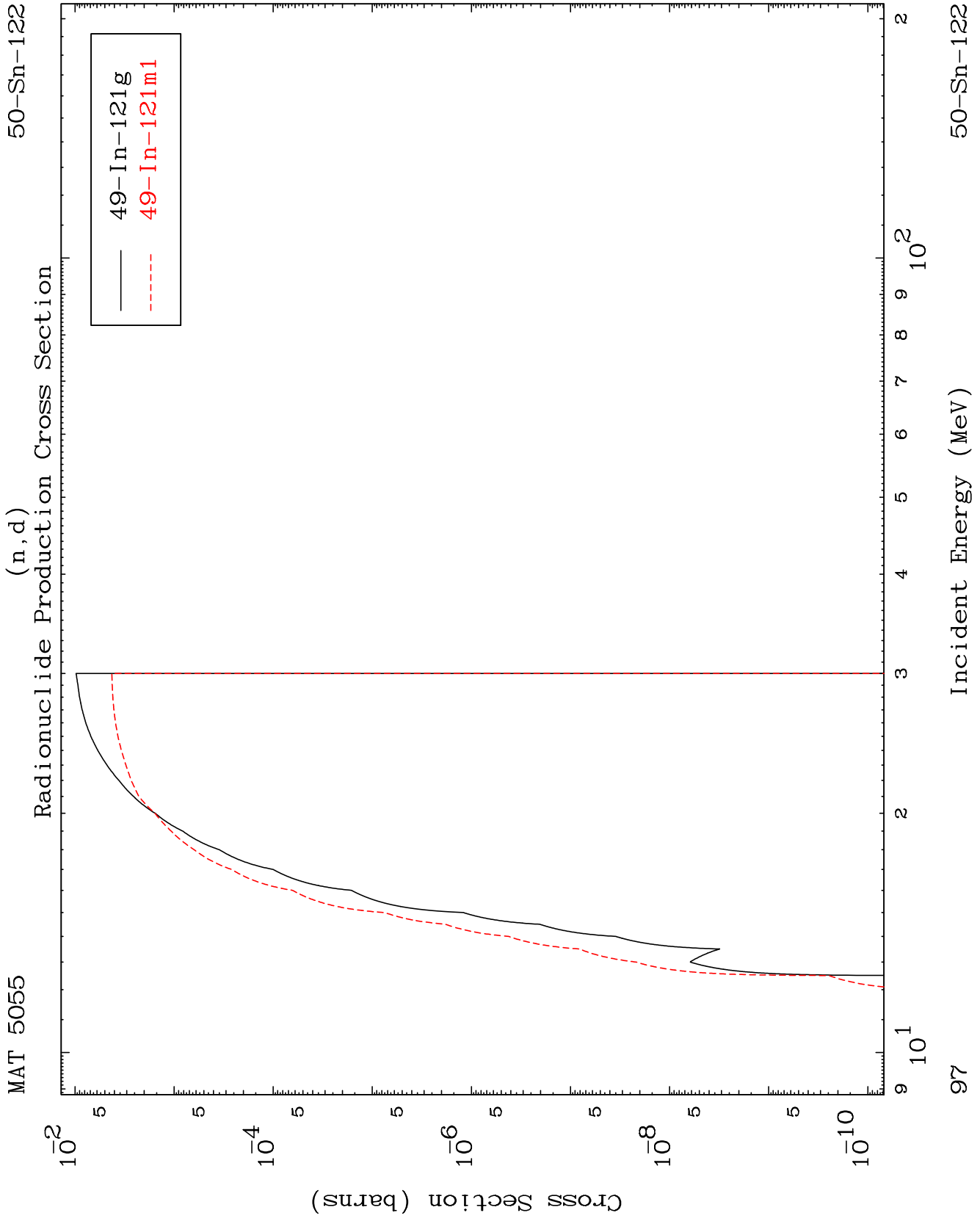


95

50-Sn-122



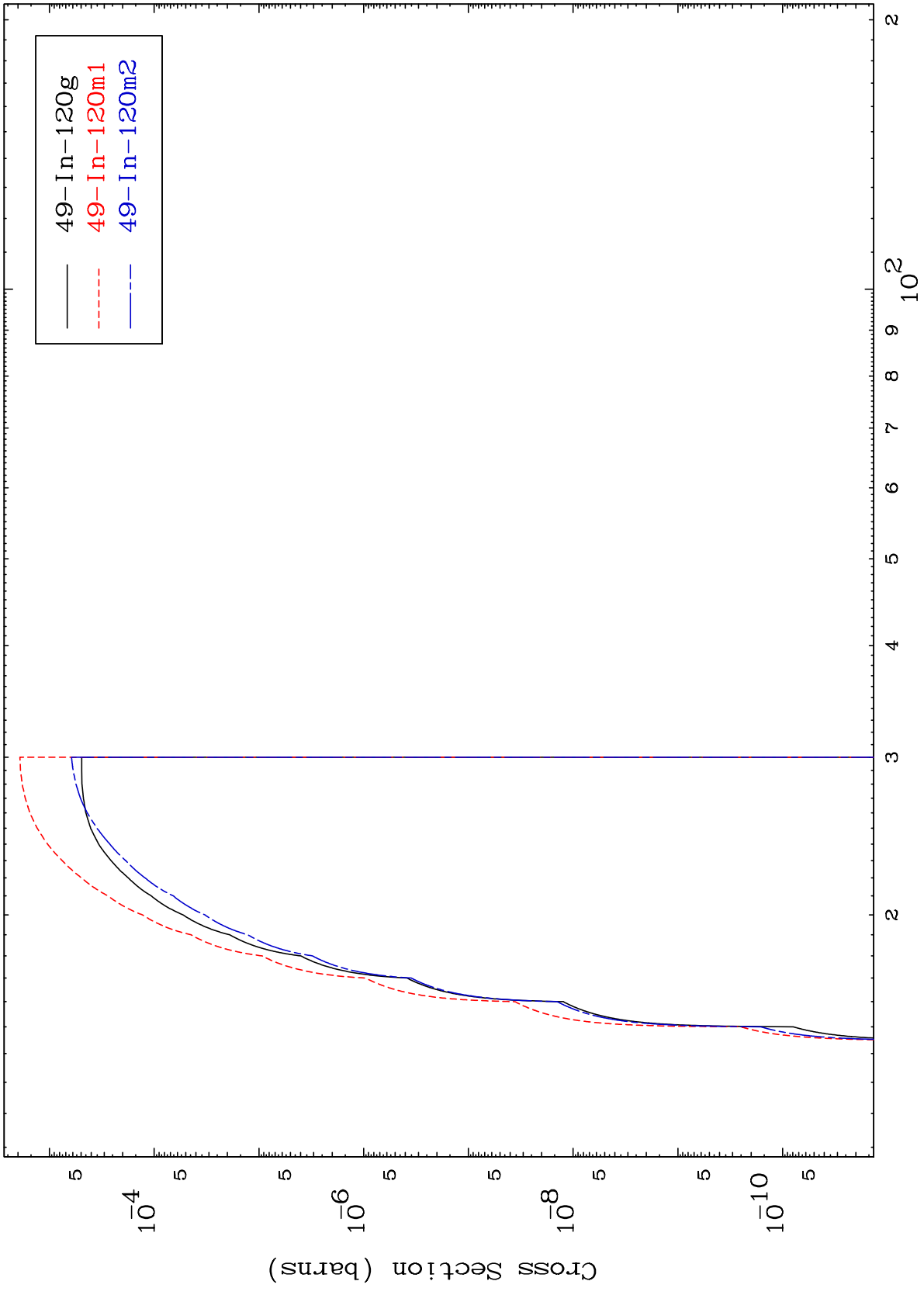




MAT 5055

50-Sn-122

(n, t)  
Radionuclide Production Cross Section



98

50-Sn-122

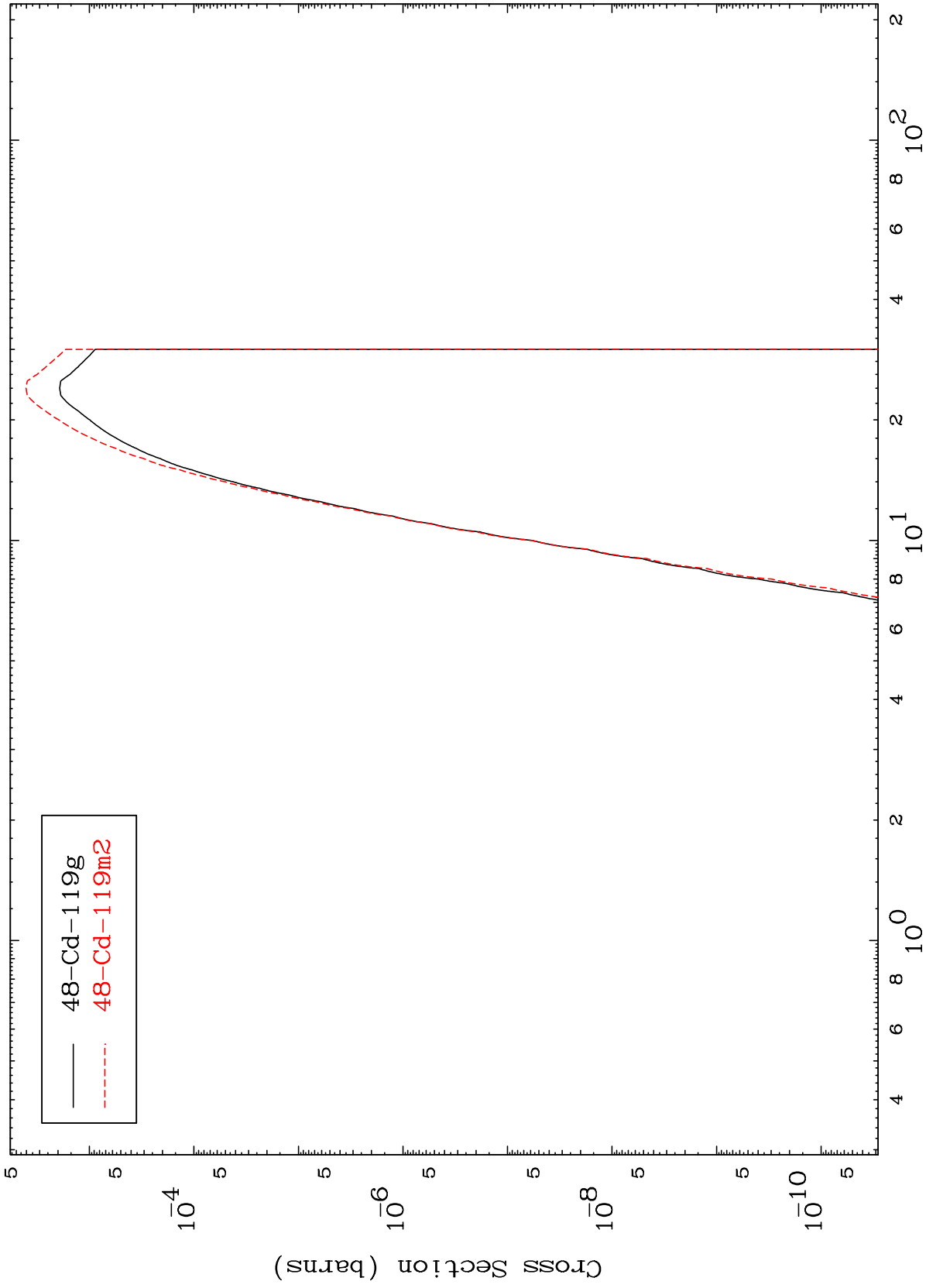
Incident Energy (MeV)

MAT 5055

(n,  $\alpha$ )

50-Sn-122

Radionuclide Production Cross Section



48-Cd-119g  
48-Cd-119m2

99

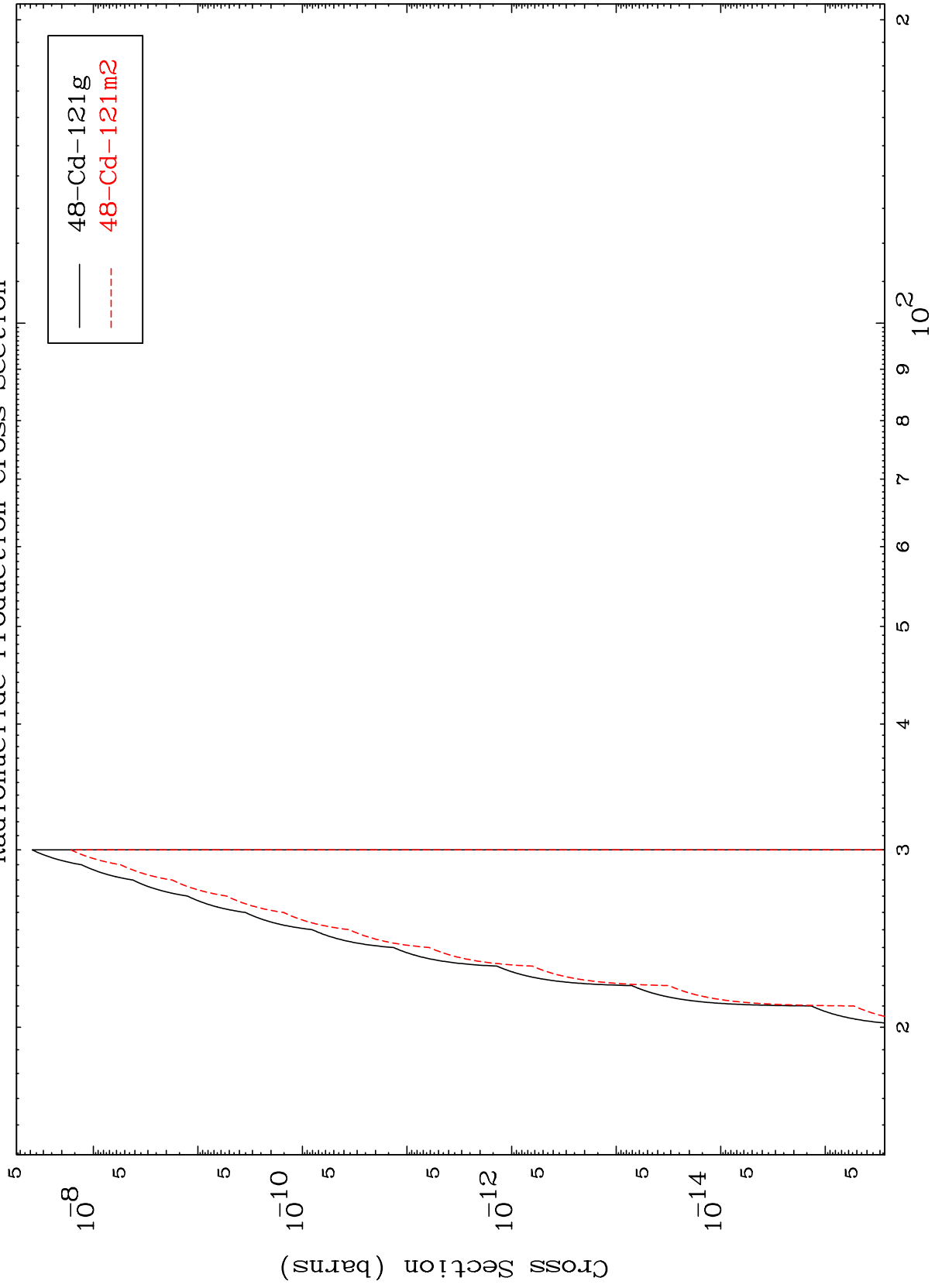
Incident Energy (MeV)

50-Sn-122

MAT 5055

50-Sn-122

(n,2p)  
Radionuclide Production Cross Section



100

Incident Energy (MeV)

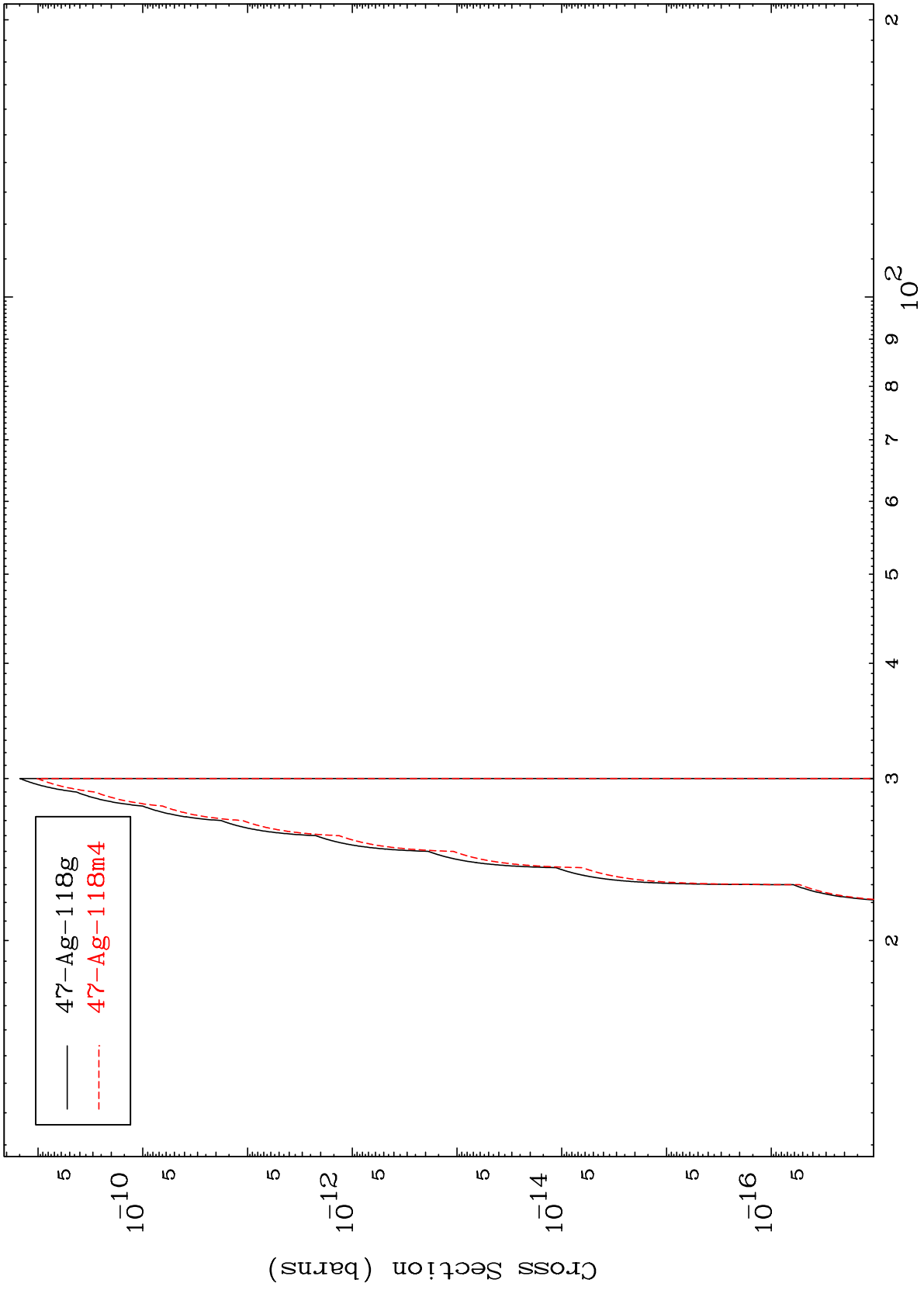
50-Sn-122

MAT 5055

(n,p)  $\alpha$

50-Sn-122

Radionuclide Production Cross Section



101

Incident Energy (MeV)

50-Sn-122