

Program EVALPLOT
(Version 2021-1)

by

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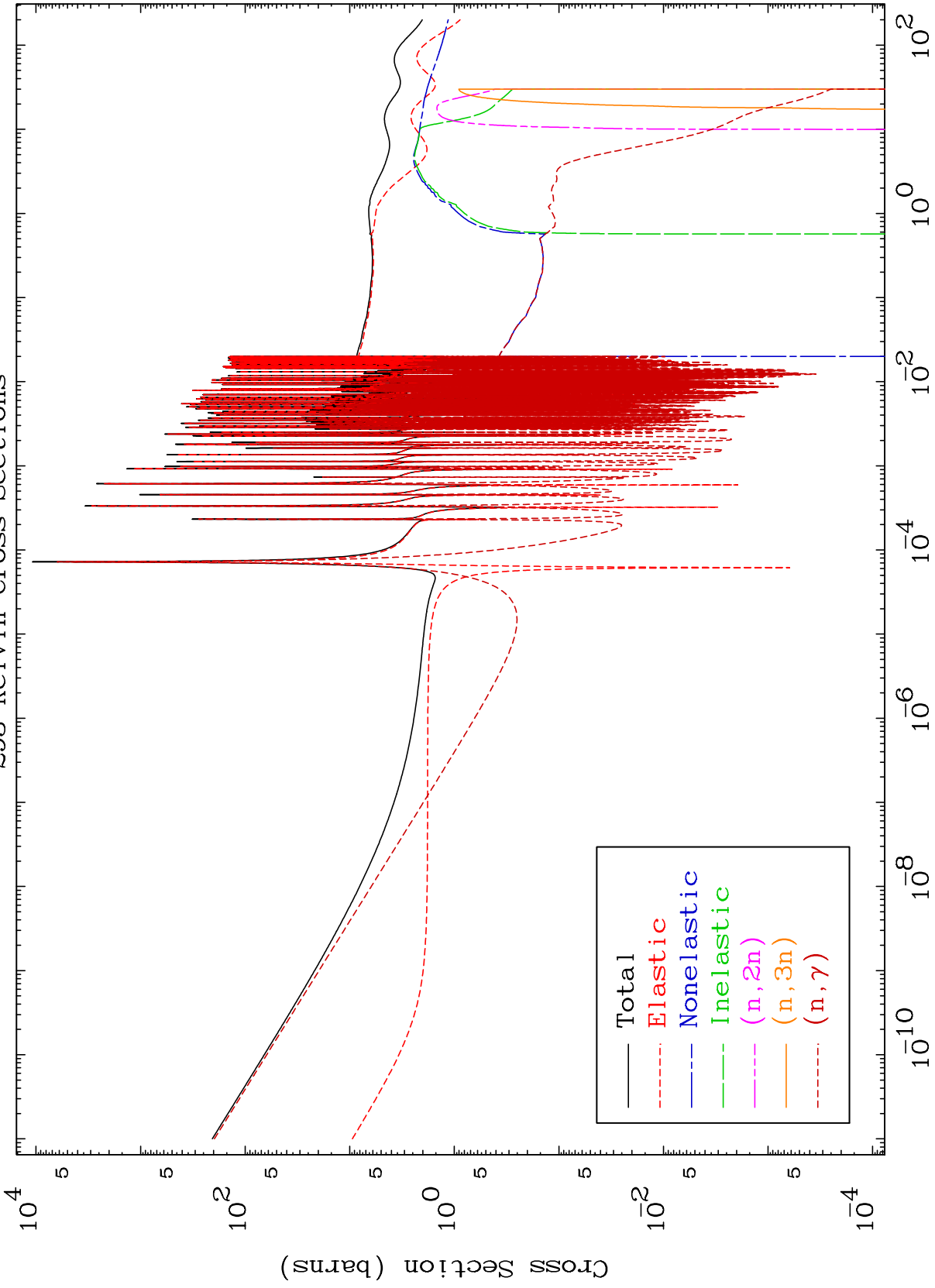
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5231

Neutron Major
293 Kelvin Cross Sections

52-Te-122

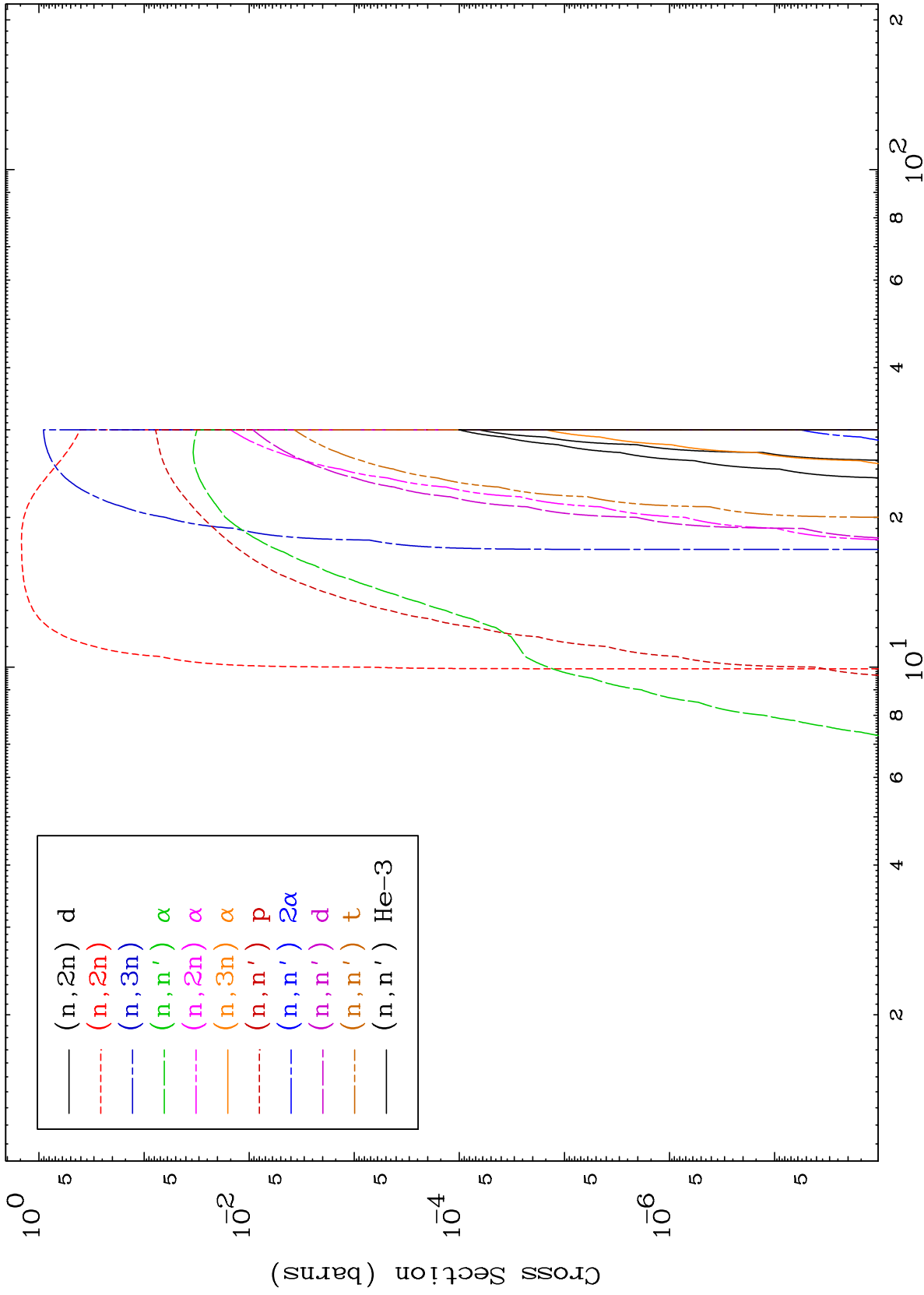


52-Te-122

MAT 5231

Neutron Absorption
293 Kelvin Cross Sections

52-Te-122



2

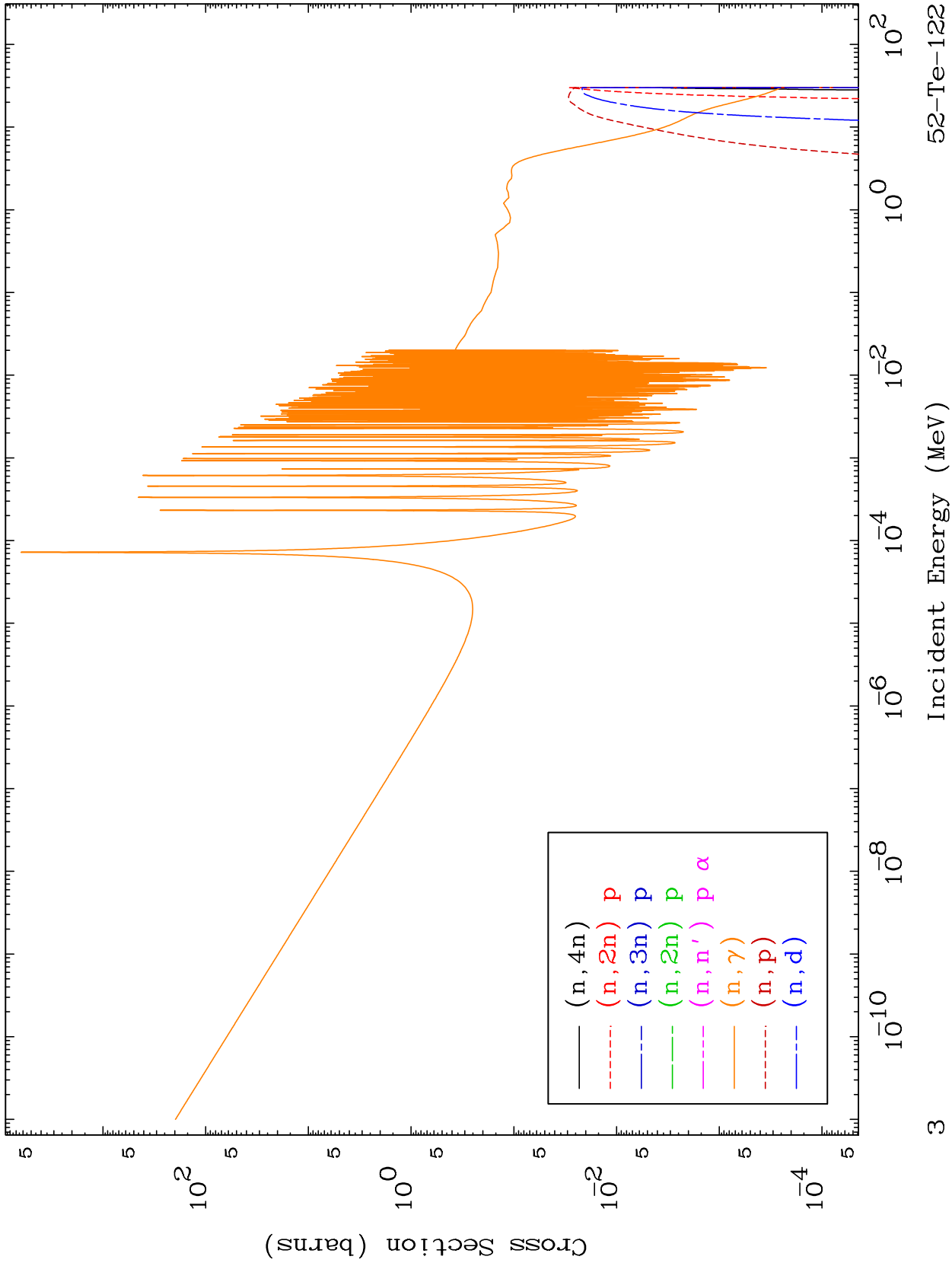
Incident Energy (MeV)

52-Te-122

MAT 5231

Neutron Absorption
293 Kelvin Cross Sections

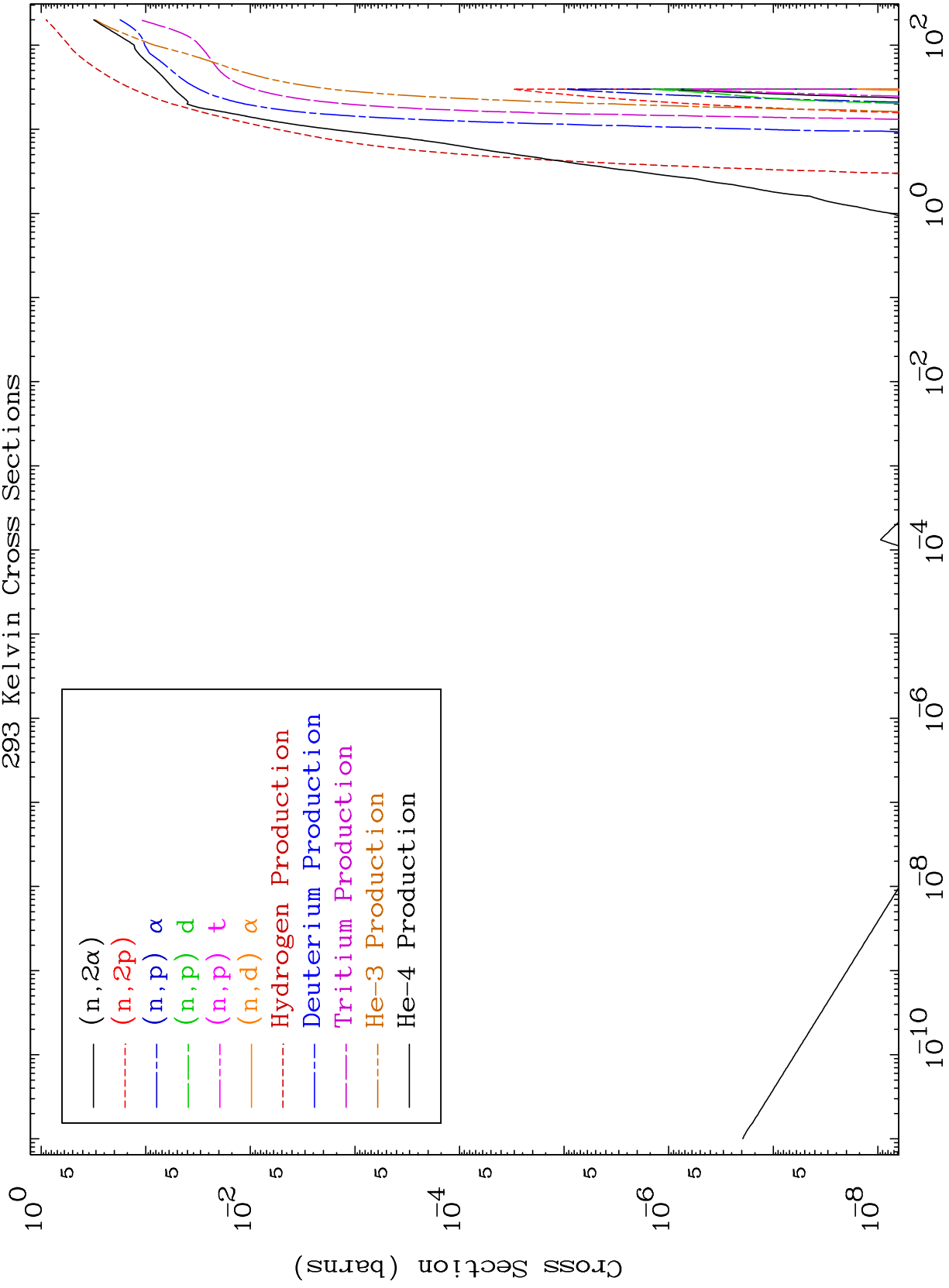
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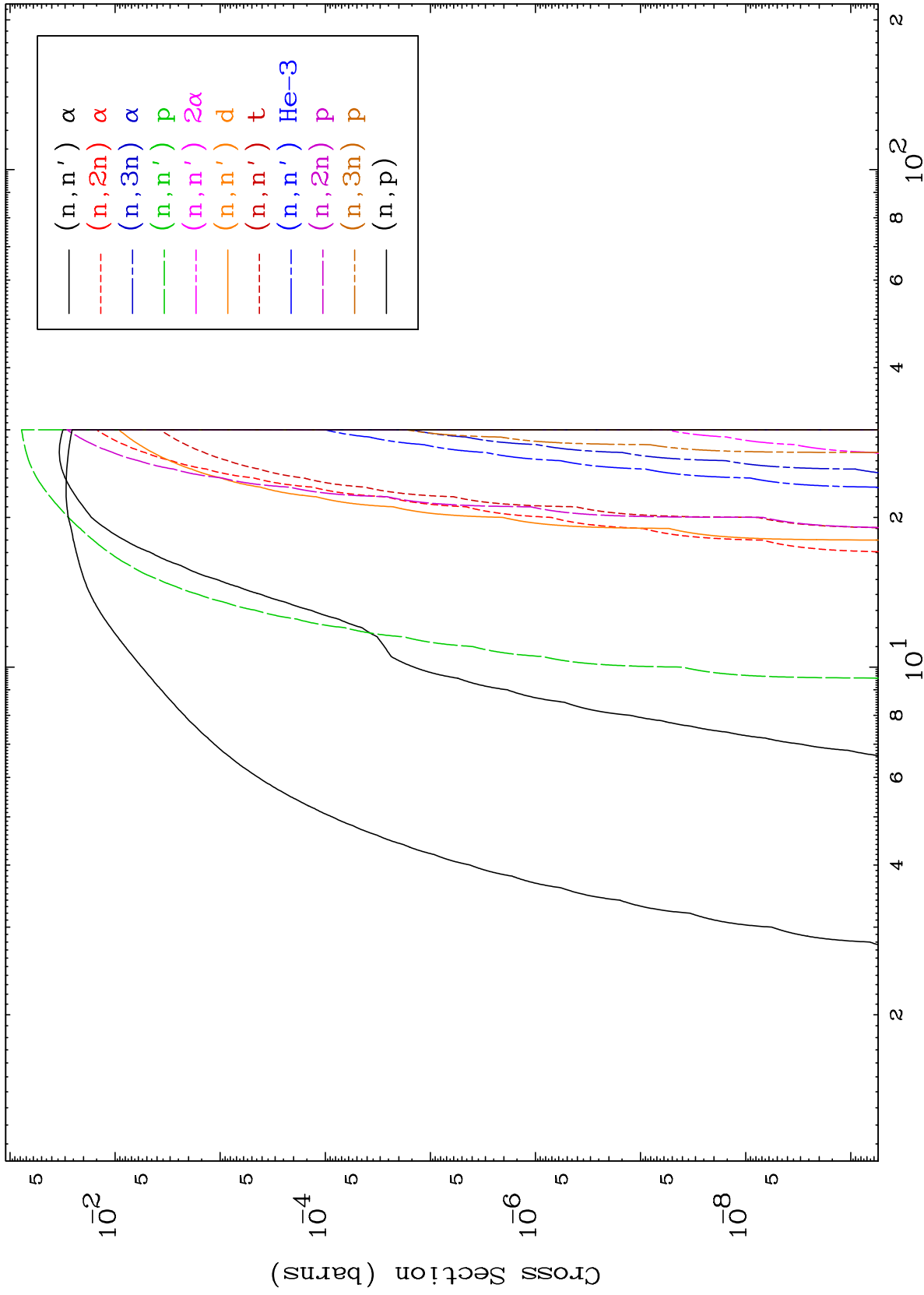


MAT 5231

Neutron Absorption
293 Kelvin Cross Sections

52-Te-122

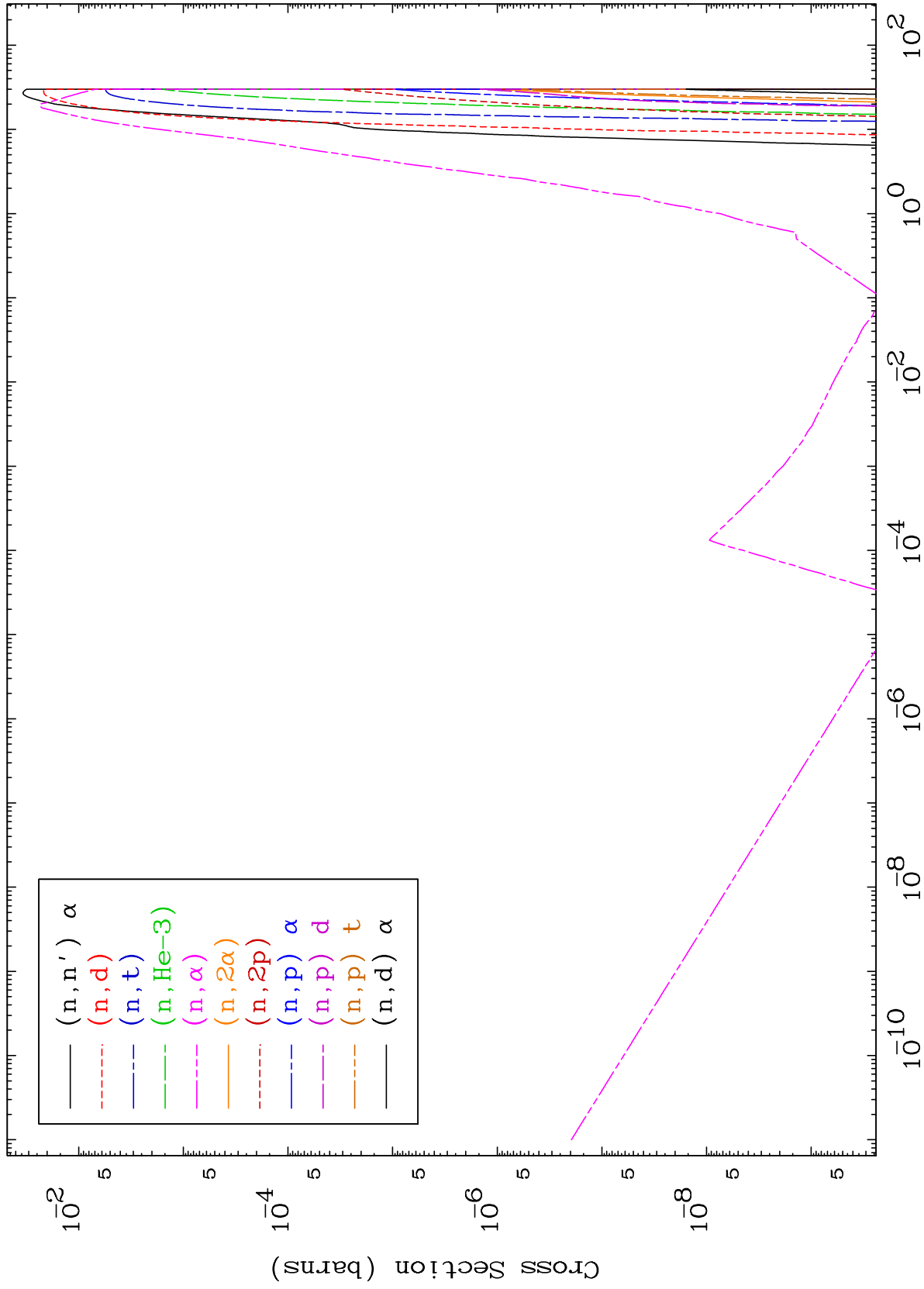




MAT 5231

293 Kelvin Cross Sections

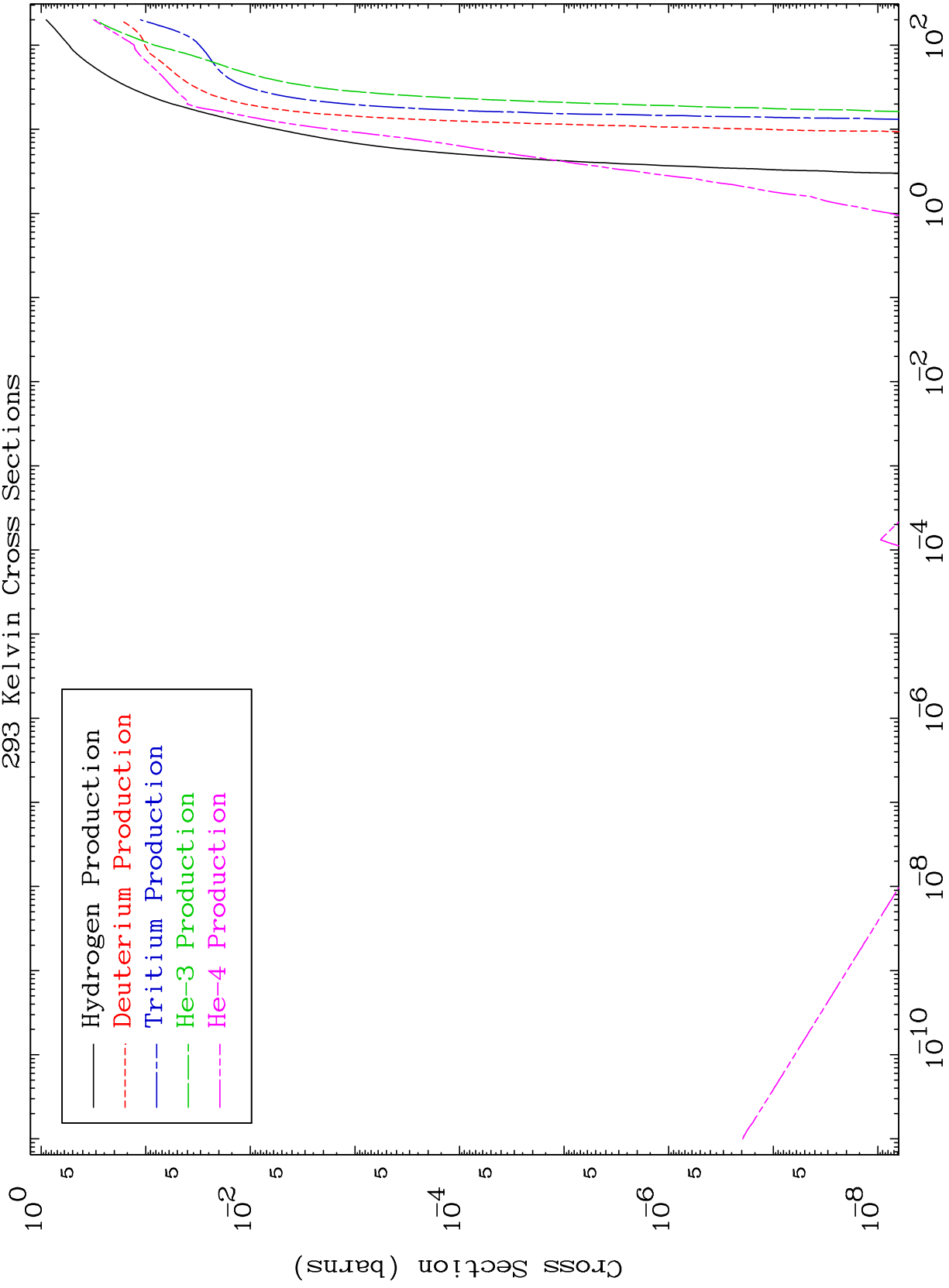
52-Te-122



MAT 5231

Particle Production
293 Kelvin Cross Sections

52-Te-122



7

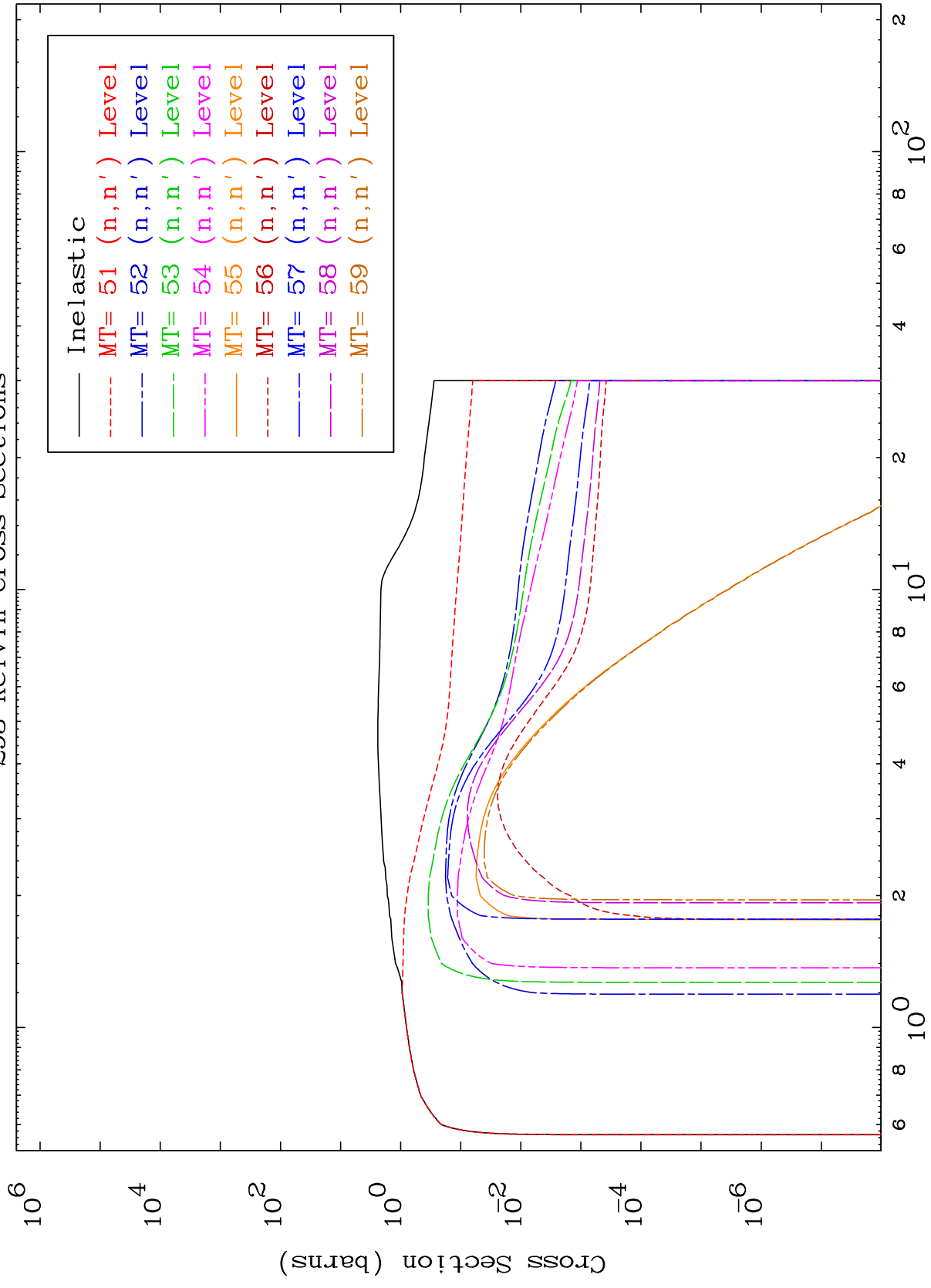
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52-Te-122

MAT 5231

(n,n') Levels
293 Kelvin Cross Sections

52-Te-122



8

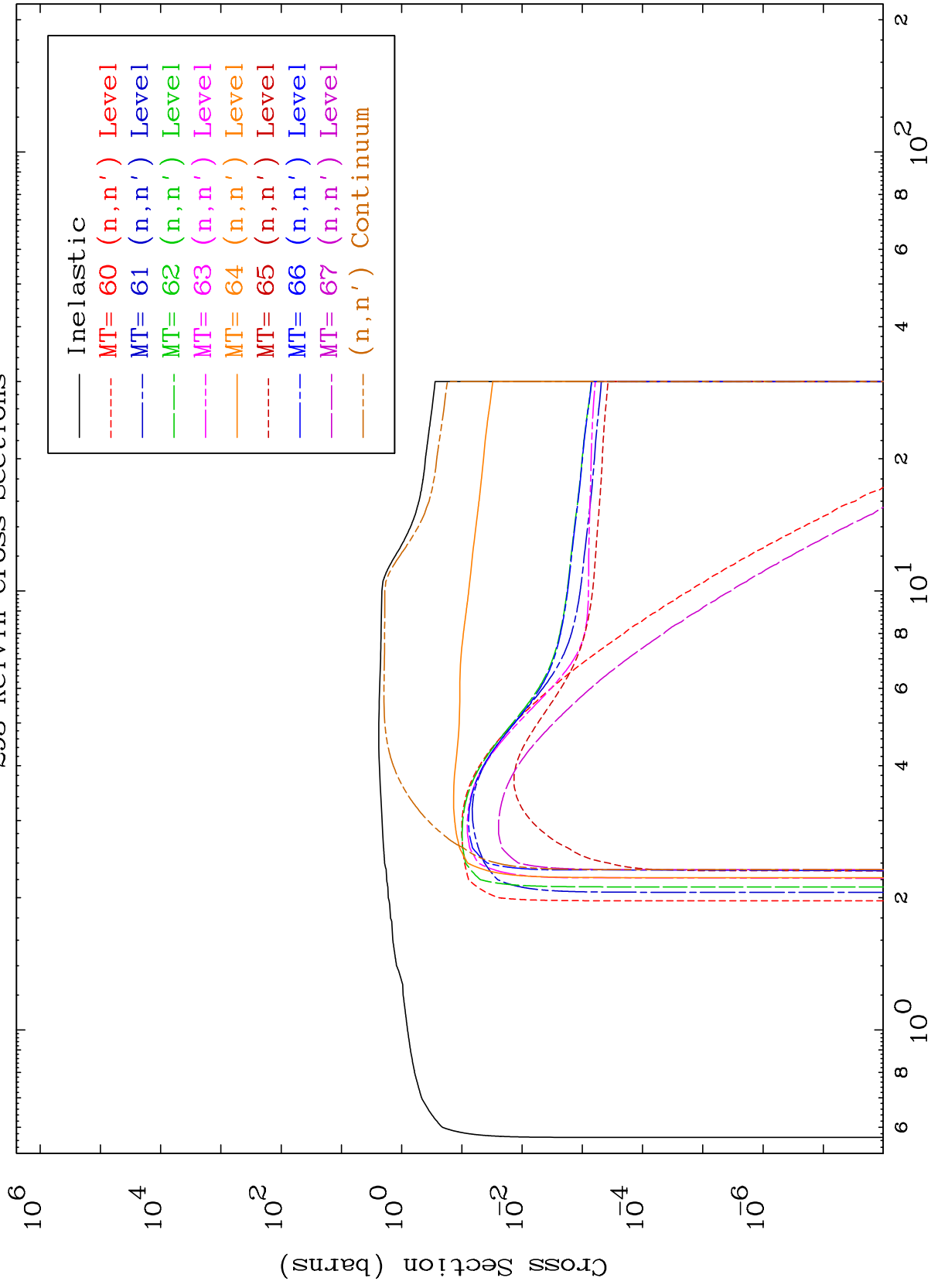
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52-Te-122

MAT 5231

(n,n') Levels
293 Kelvin Cross Sections

52-Te-122



9

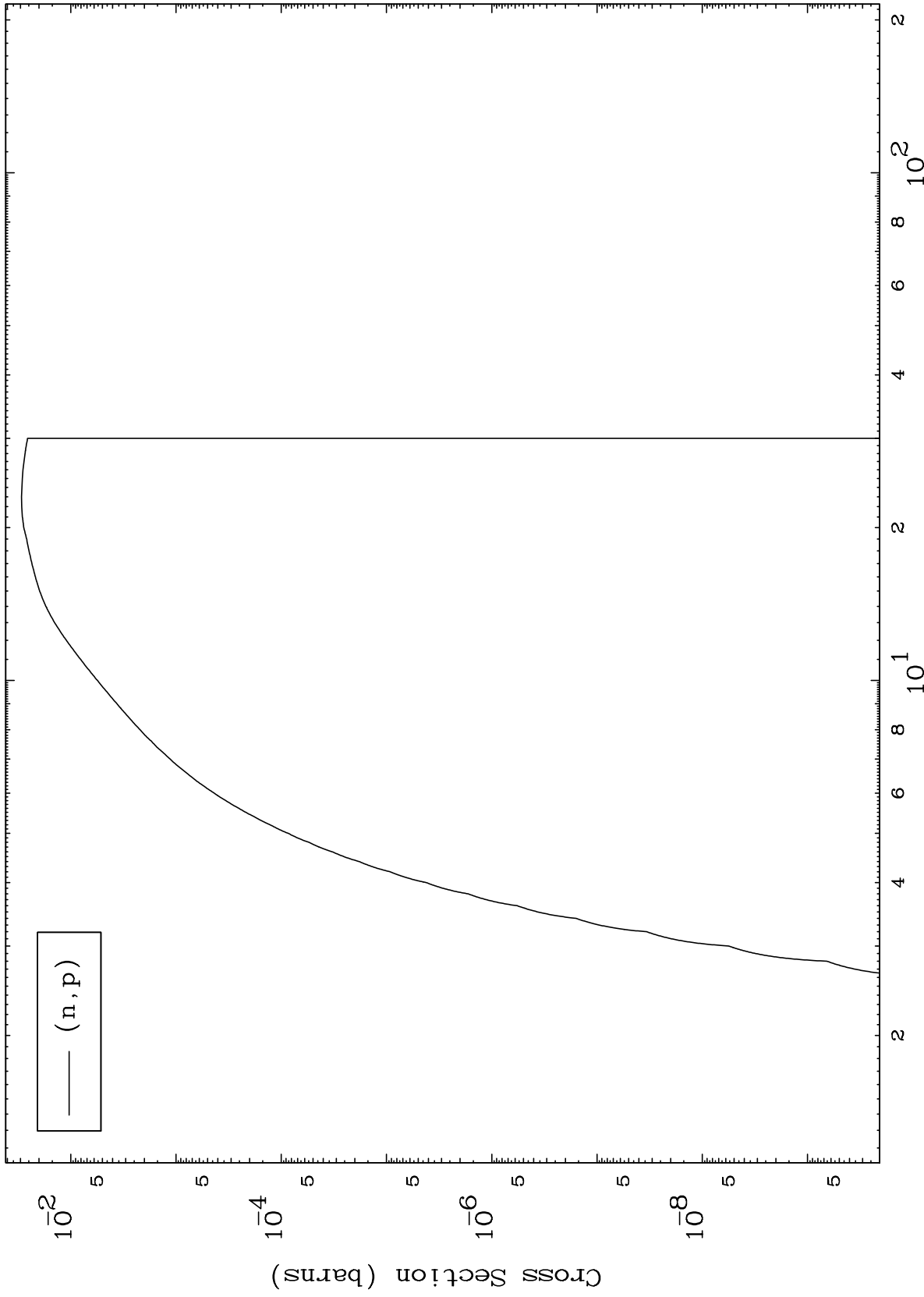
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52-Te-122

MAT 5231

(n,p) Levels
293 Kelvin Cross Sections

52-Te-122



10

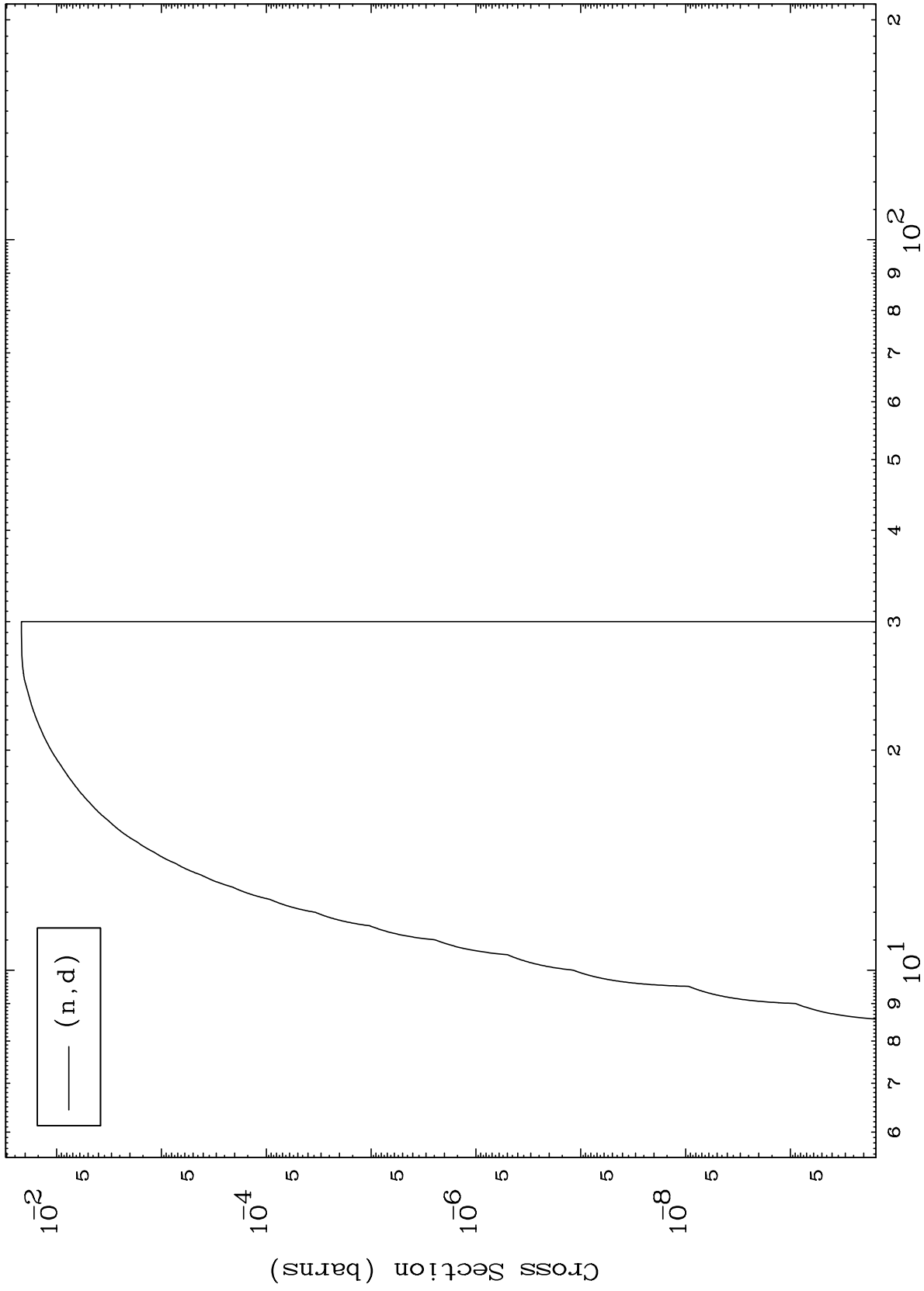
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52-Te-122

MAT 5231

(n,d) Levels
293 Kelvin Cross Sections

52-Te-122



11

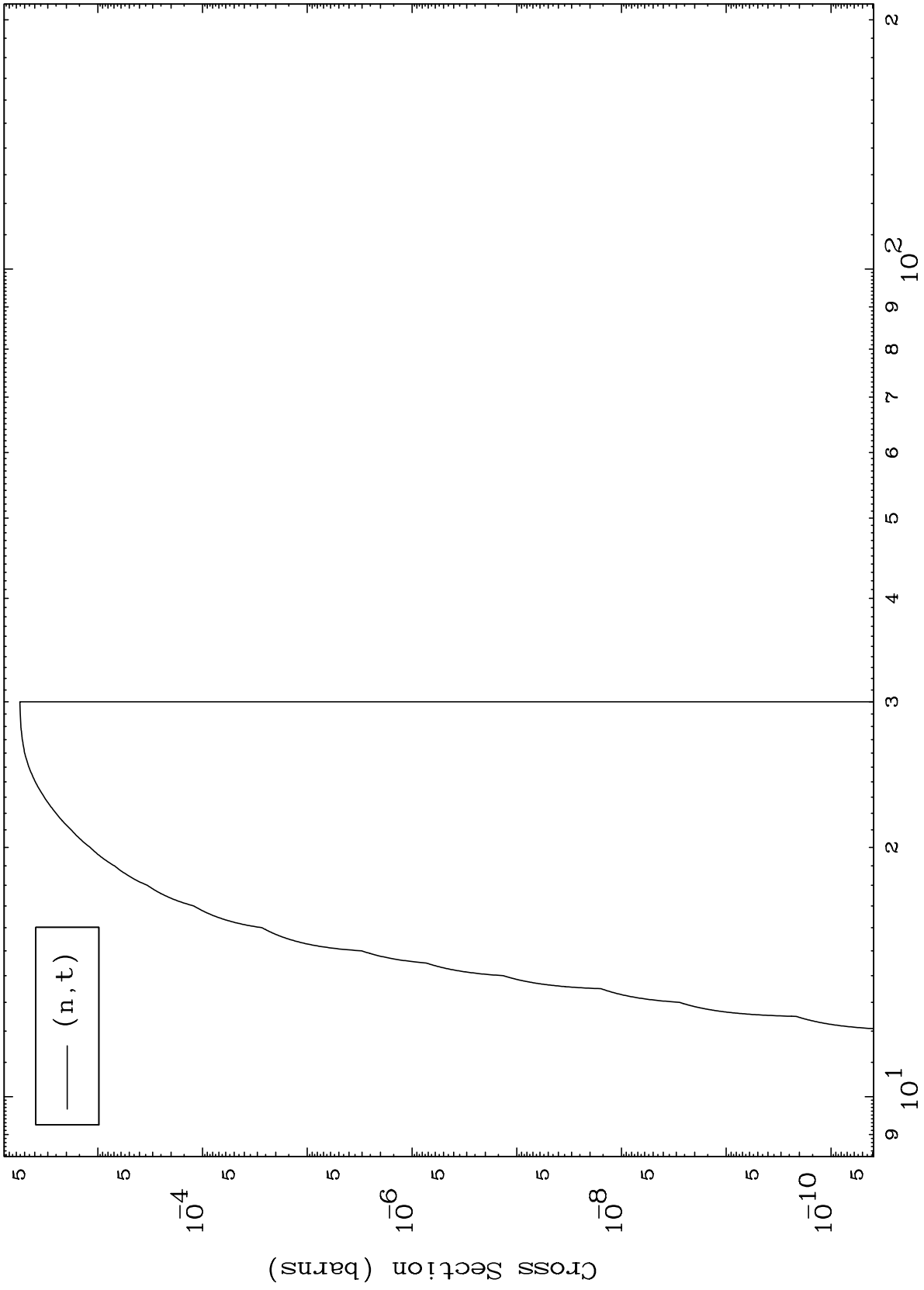
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52-Te-122

MAT 5231

(n,t) Levels
293 Kelvin Cross Sections

52-Te-122



12

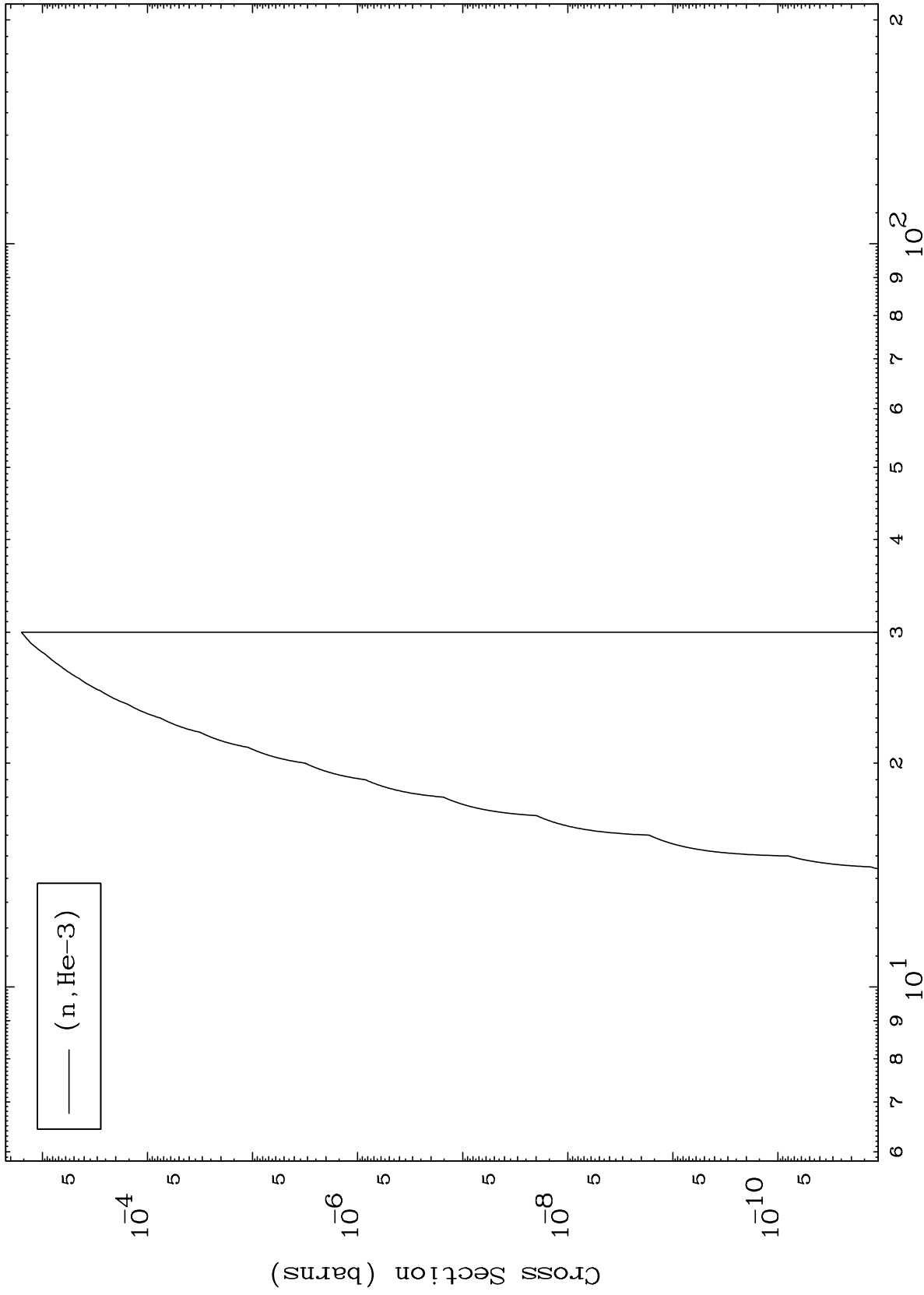
Incident Energy (MeV)

52-Te-122

MAT 5231

(n,He3) Levels
293 Kelvin Cross Sections

52-Te-122



13

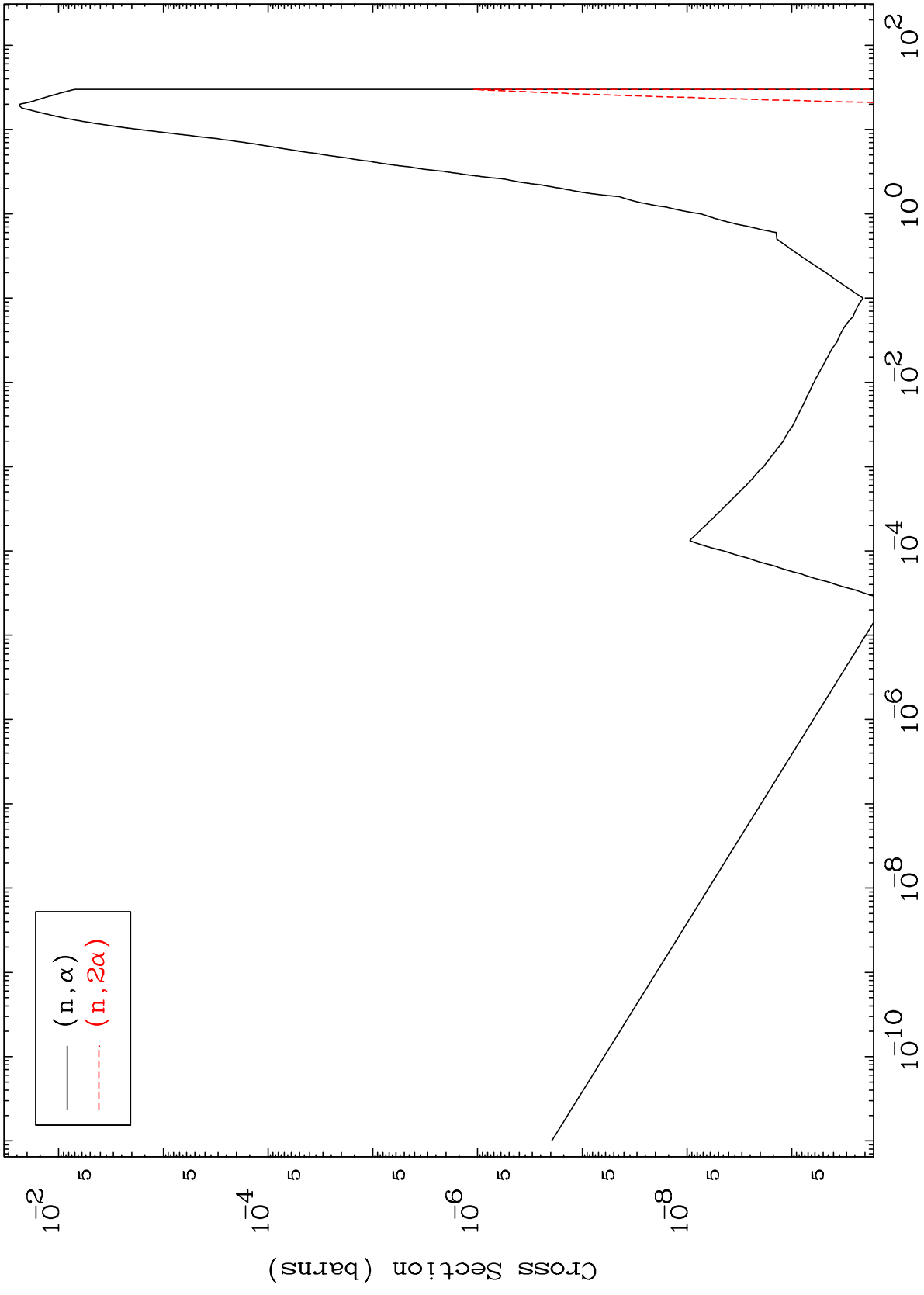
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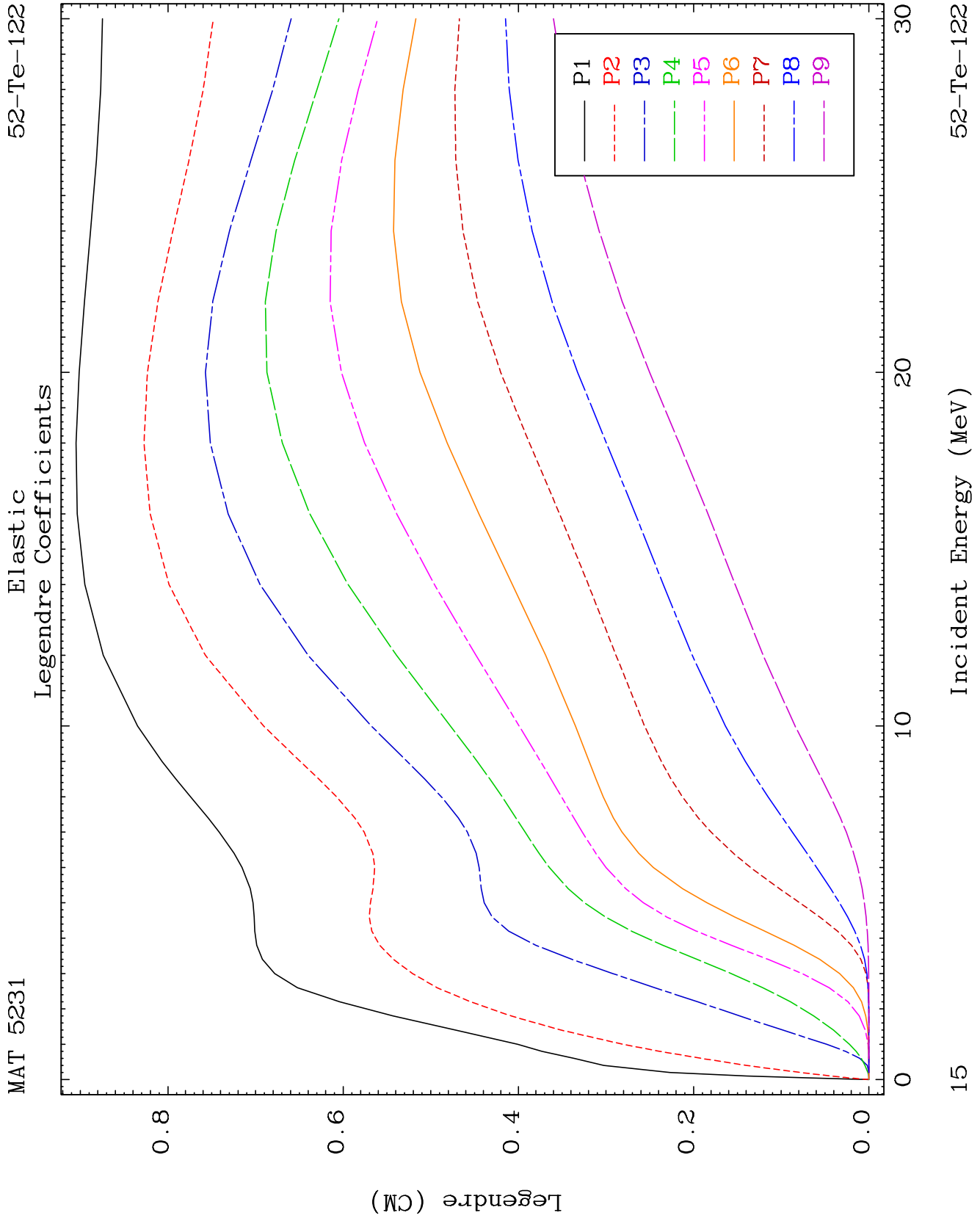
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MAT 5231

(n,α) Levels
293 Kelvin Cross Sections

52-Te-122

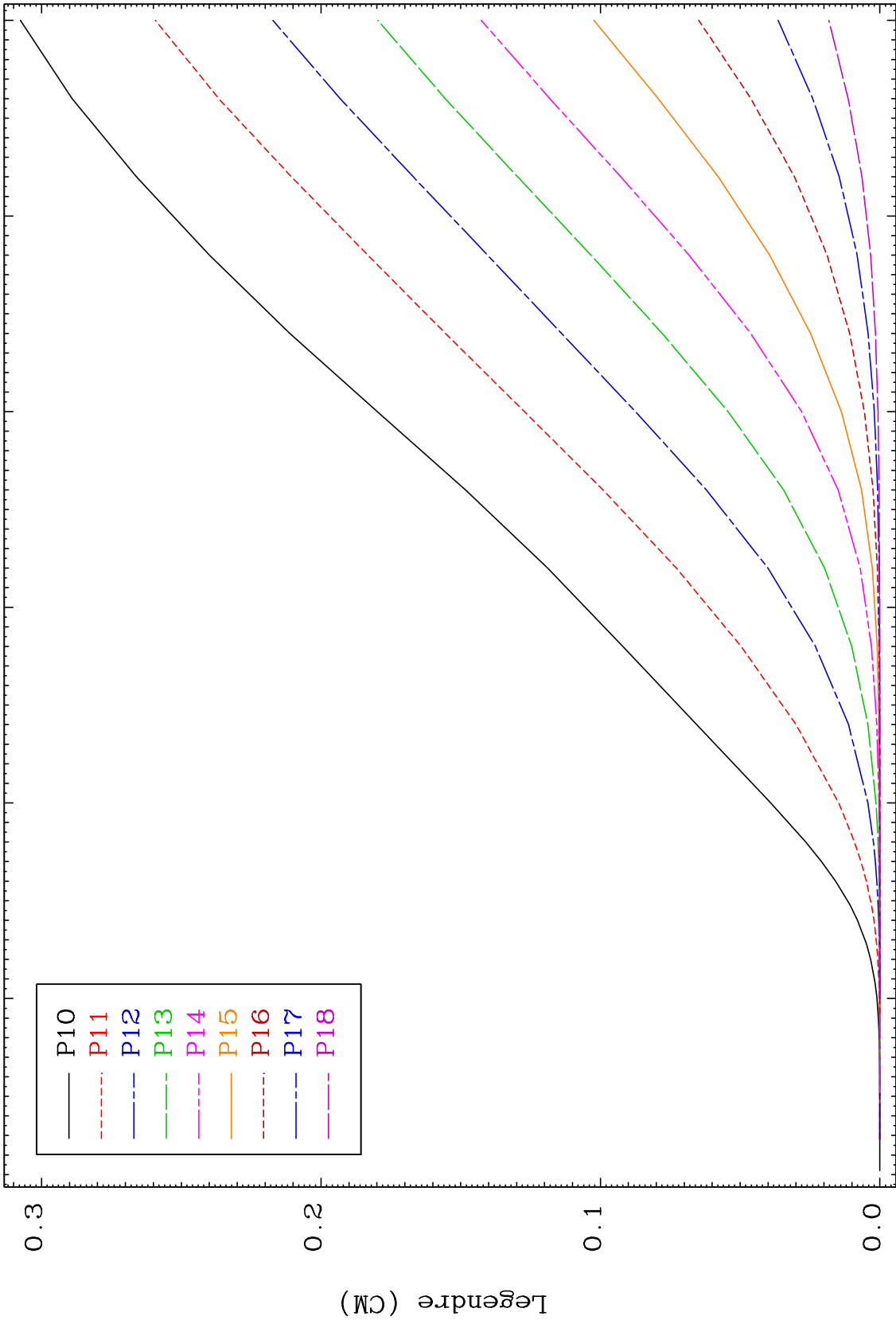




MAT 5231

Elastic Legendre Coefficients

52-Te-122



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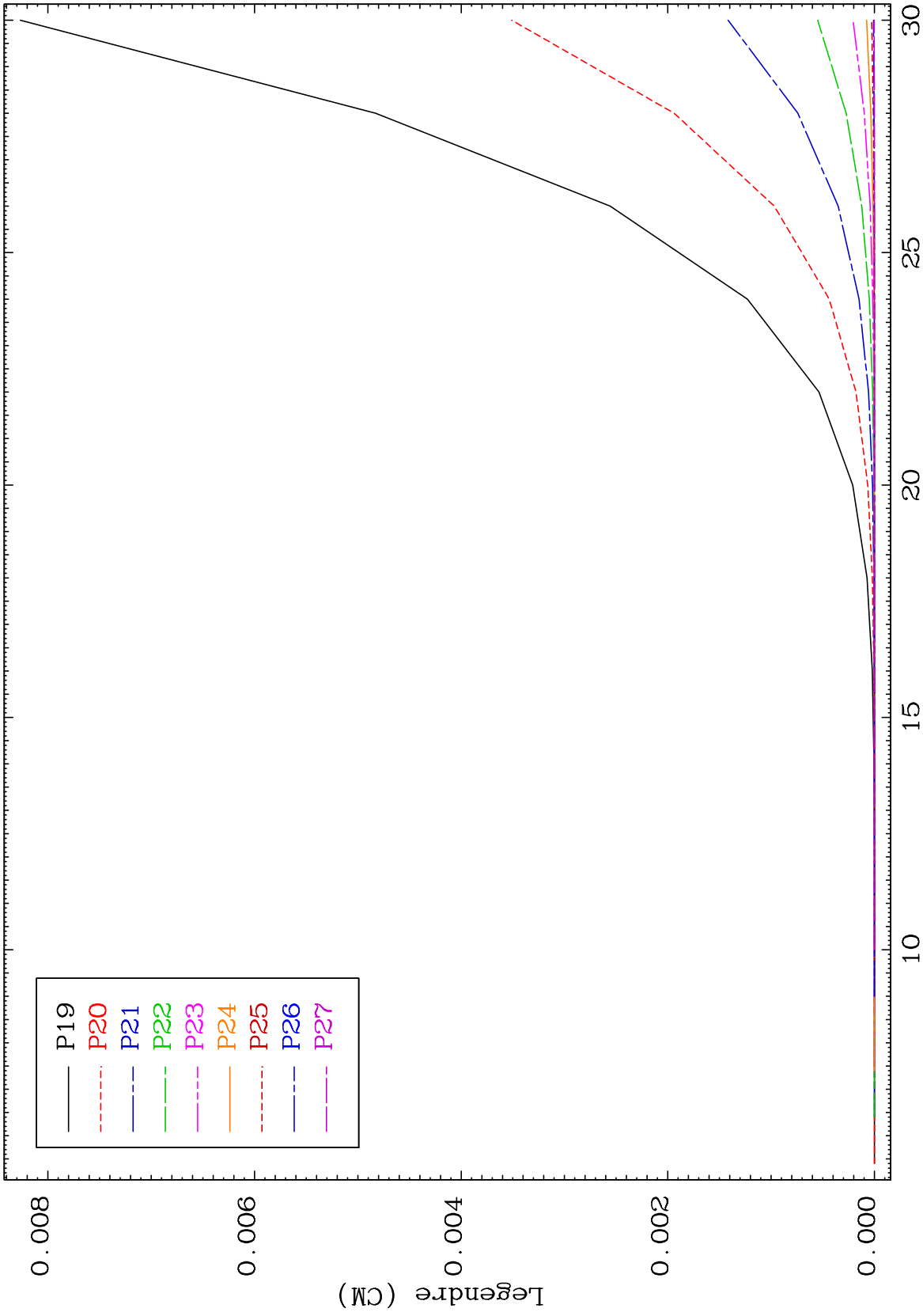
Incident Energy (MeV)

52-Te-122

MAT 5231

Elastic Legendre Coefficients

52-Te-122



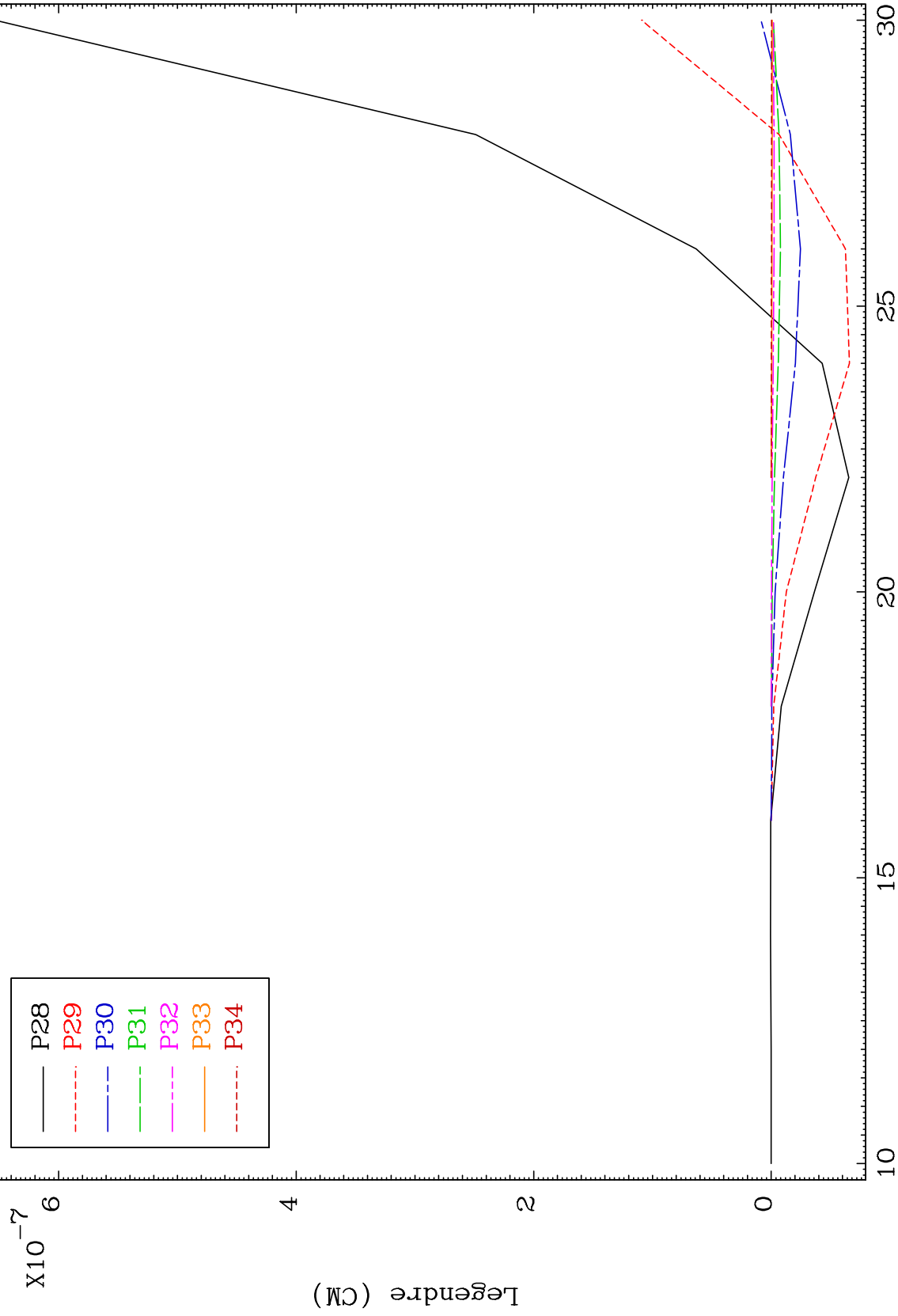
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52-Te-122

MAT 5231

Elastic Legendre Coefficients

52-Te-122



18

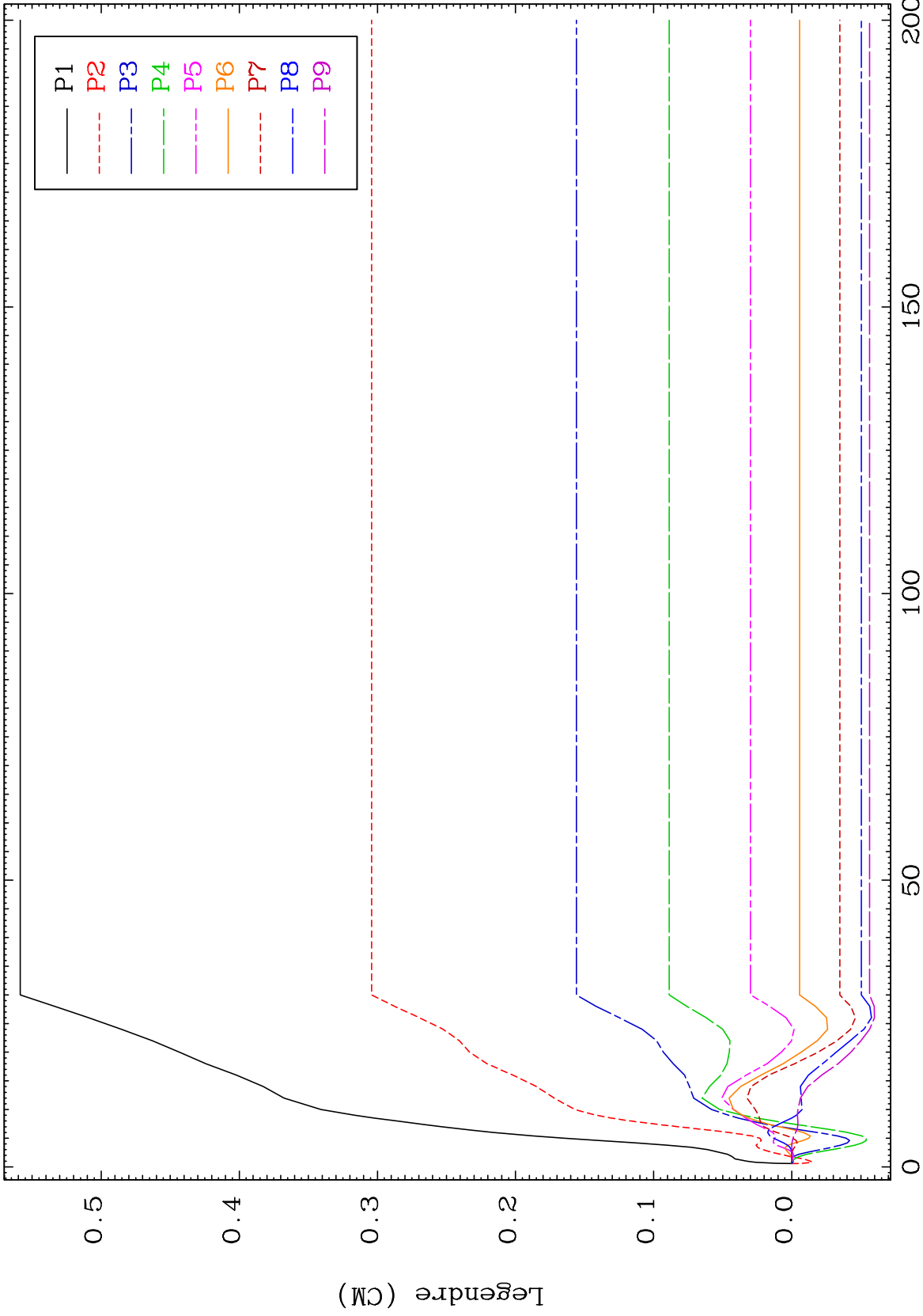
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



19

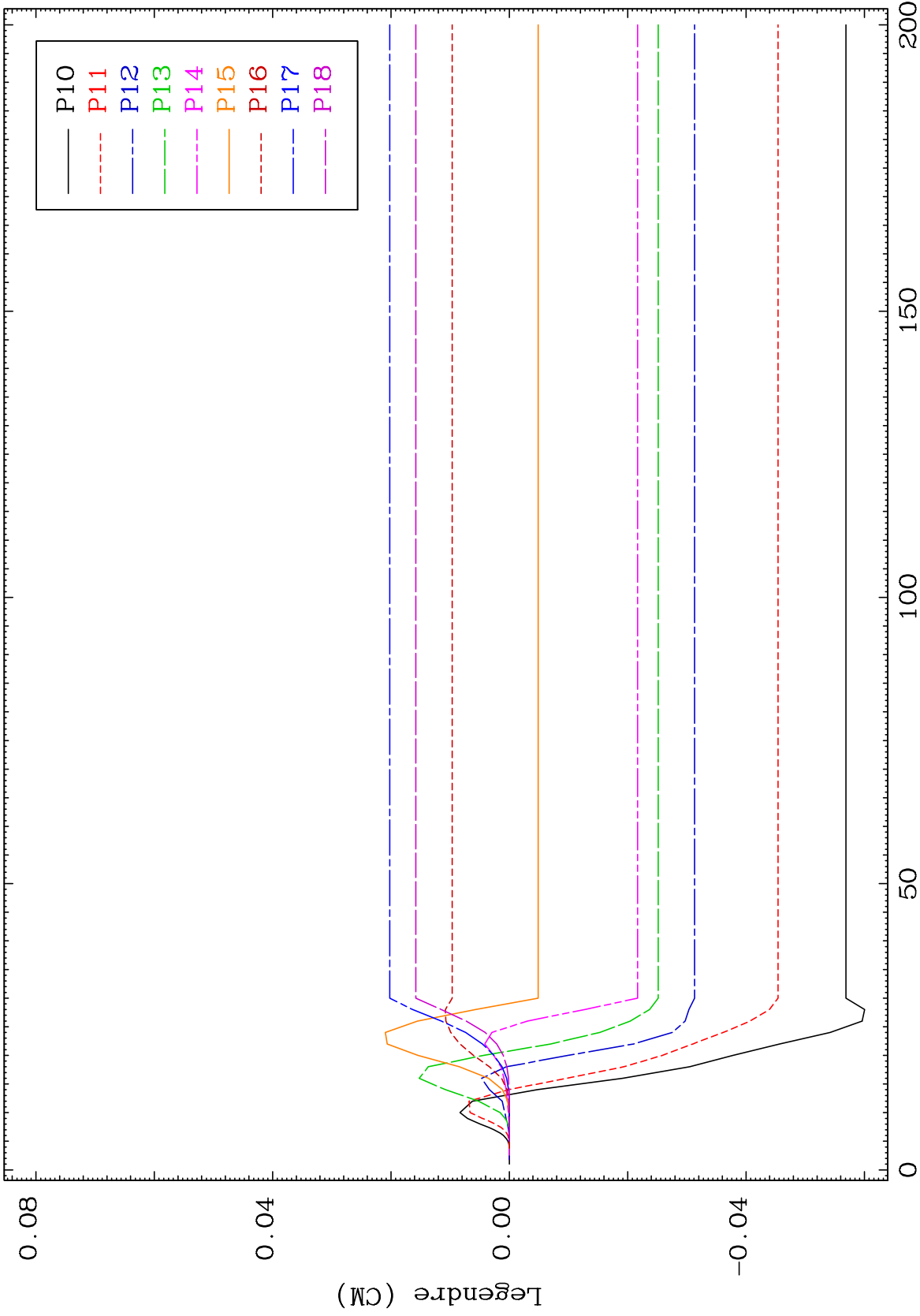
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



0

50

100

150

200

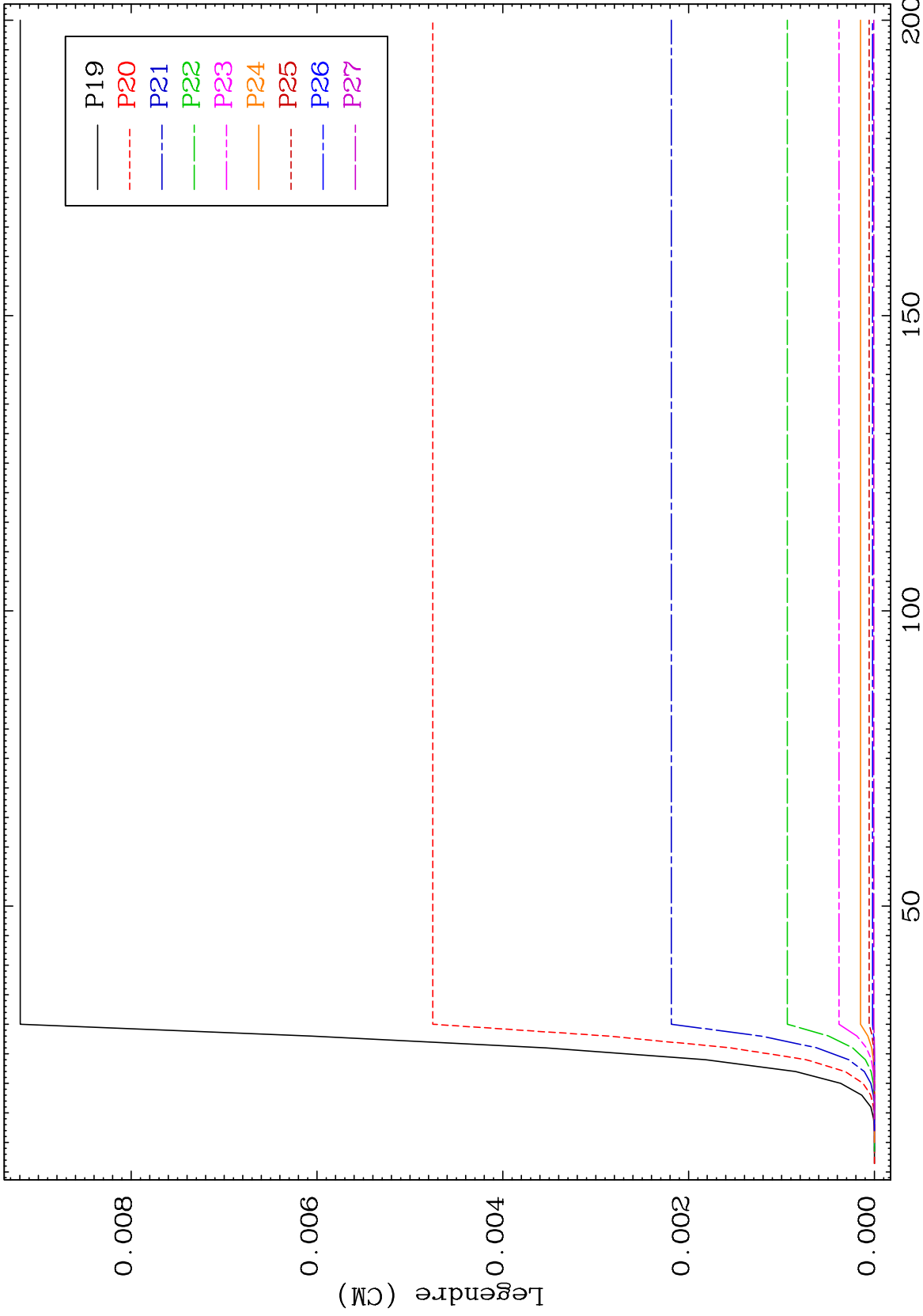
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



21

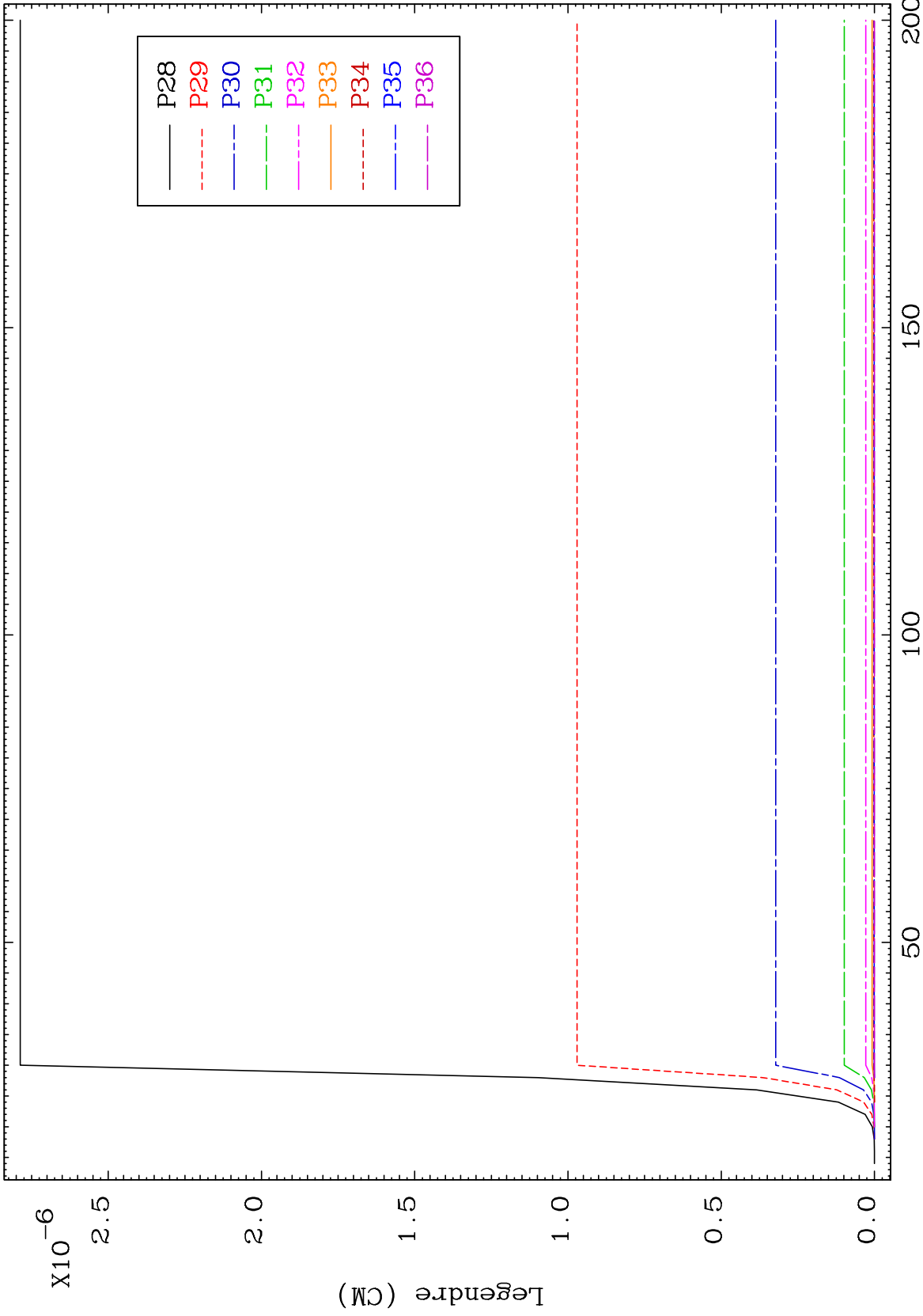
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



22

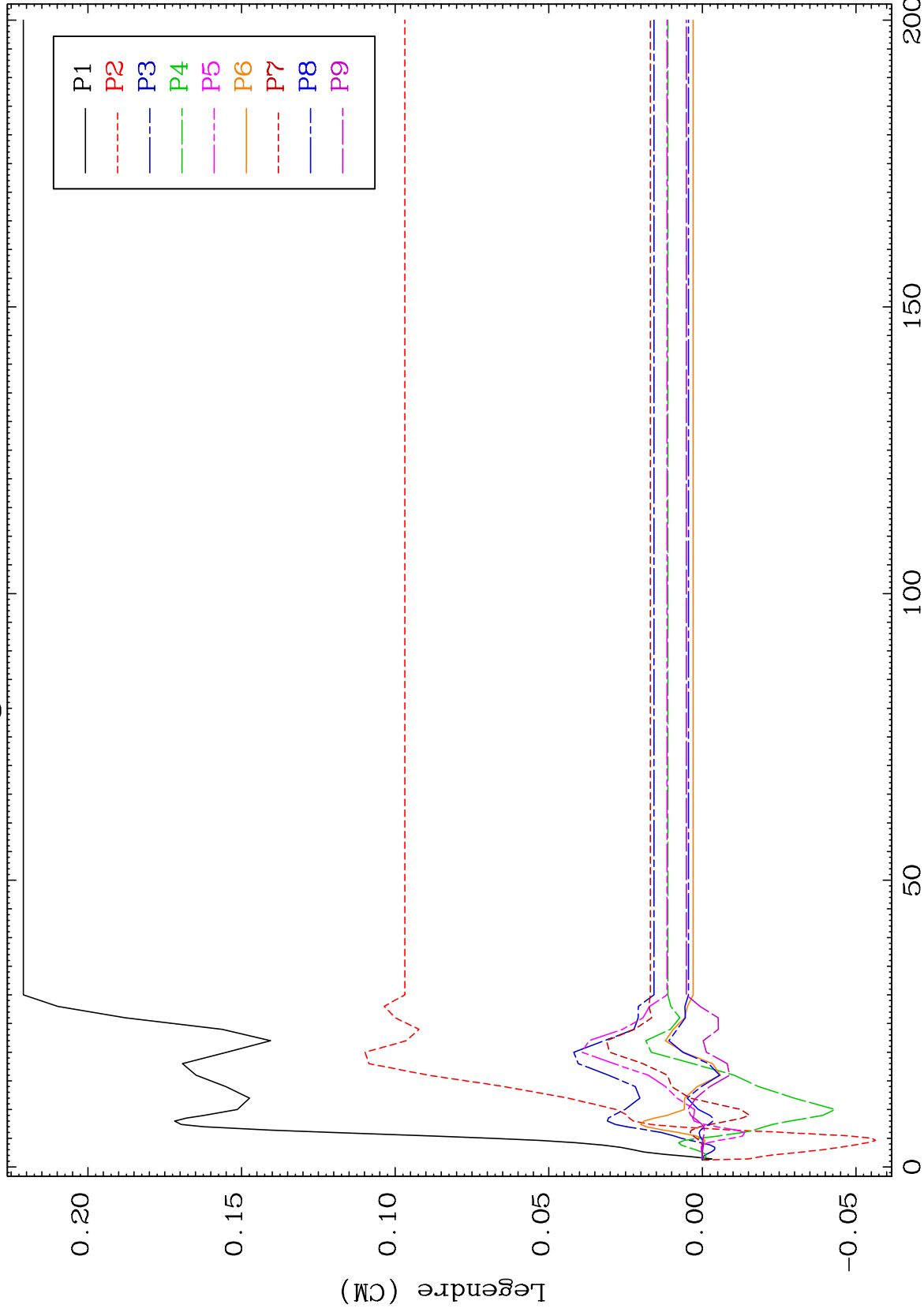
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



23

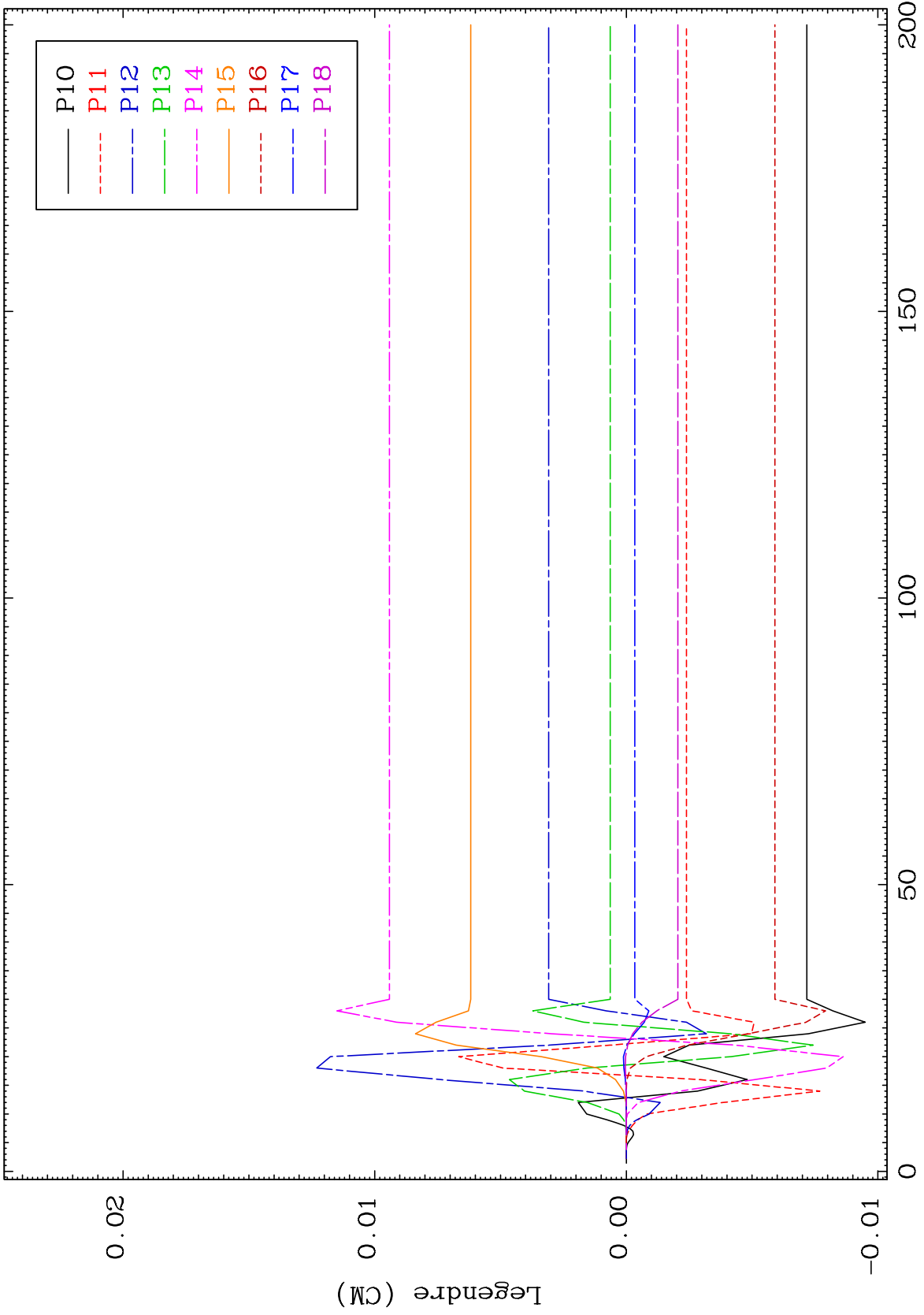
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122

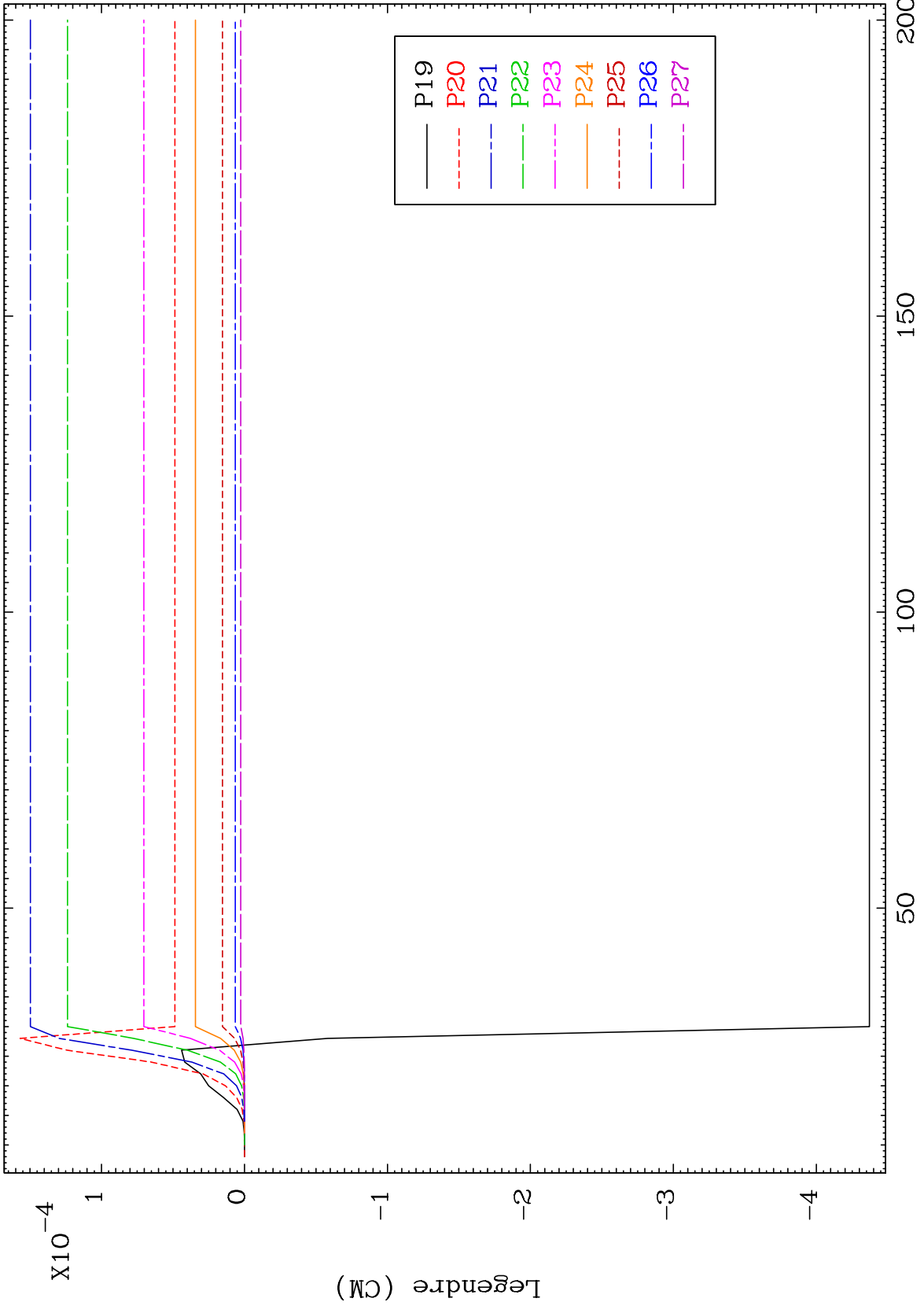


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Incident Energy (MeV)

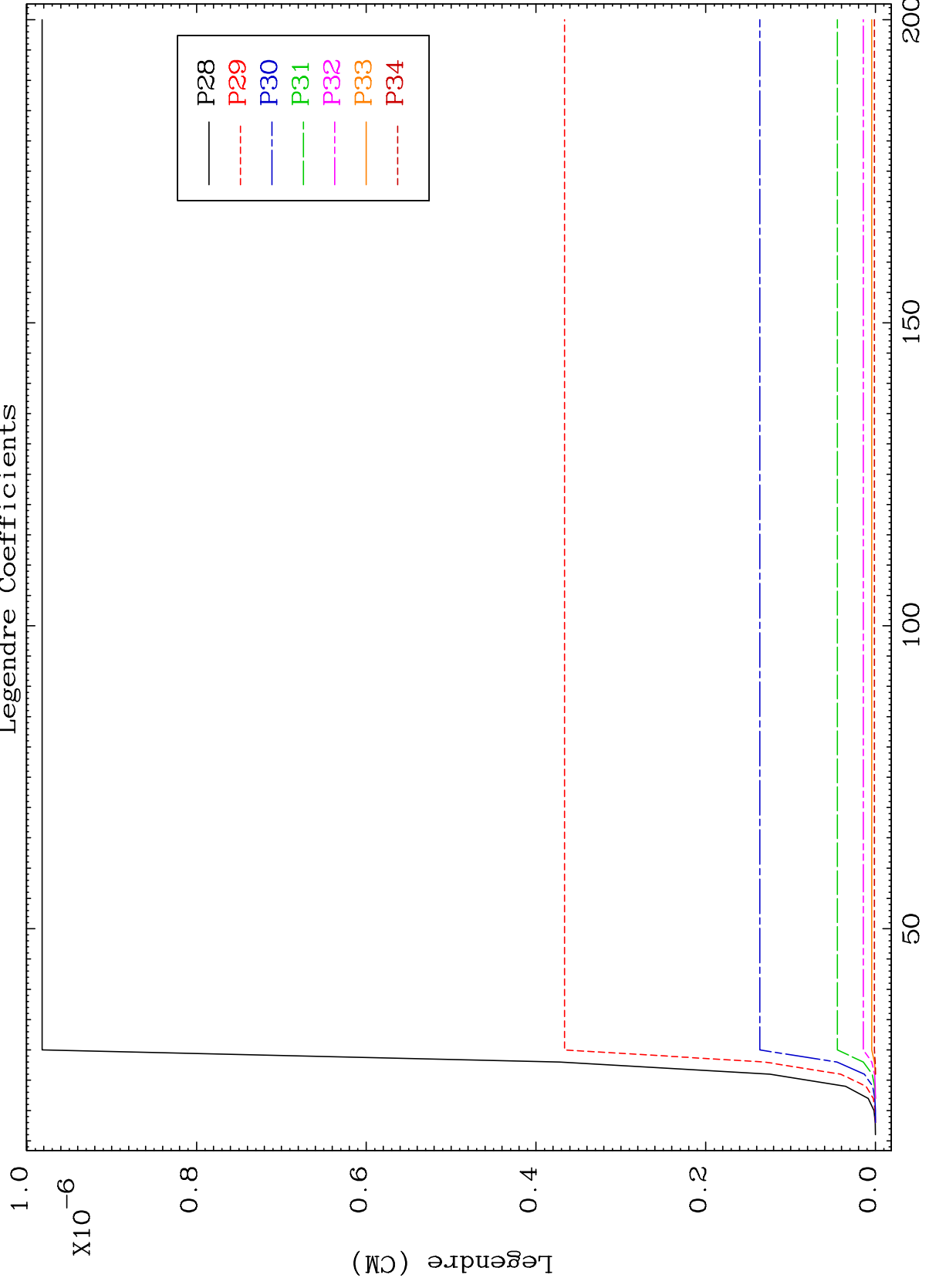
52-Te-122

MAT 5231 MT= 52 (n,n') Level Legendre Coefficients 52-Te-122



MAT 5231 MT= 52 (n,n') Level Legendre Coefficients

52-Te-122



26

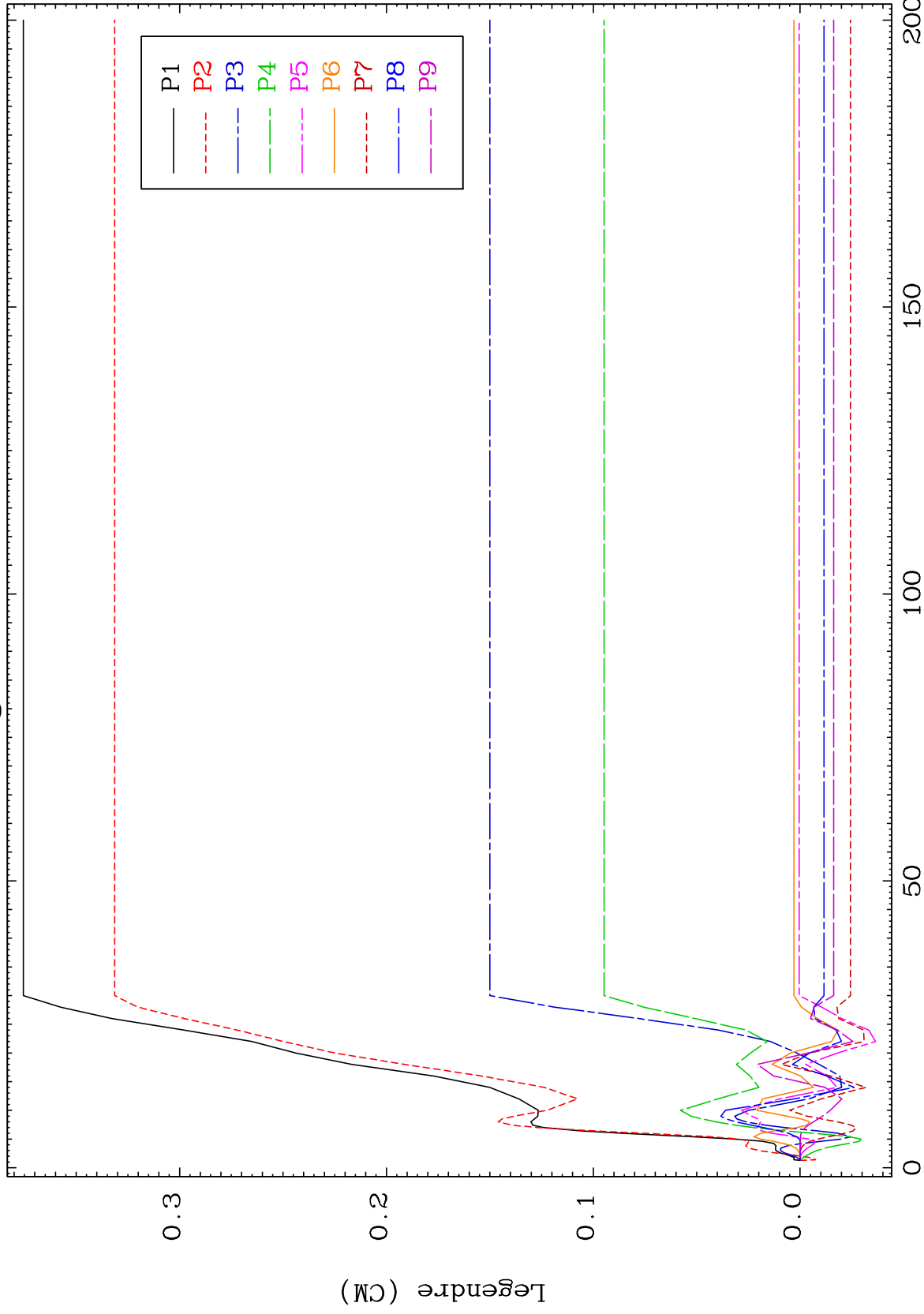
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



27

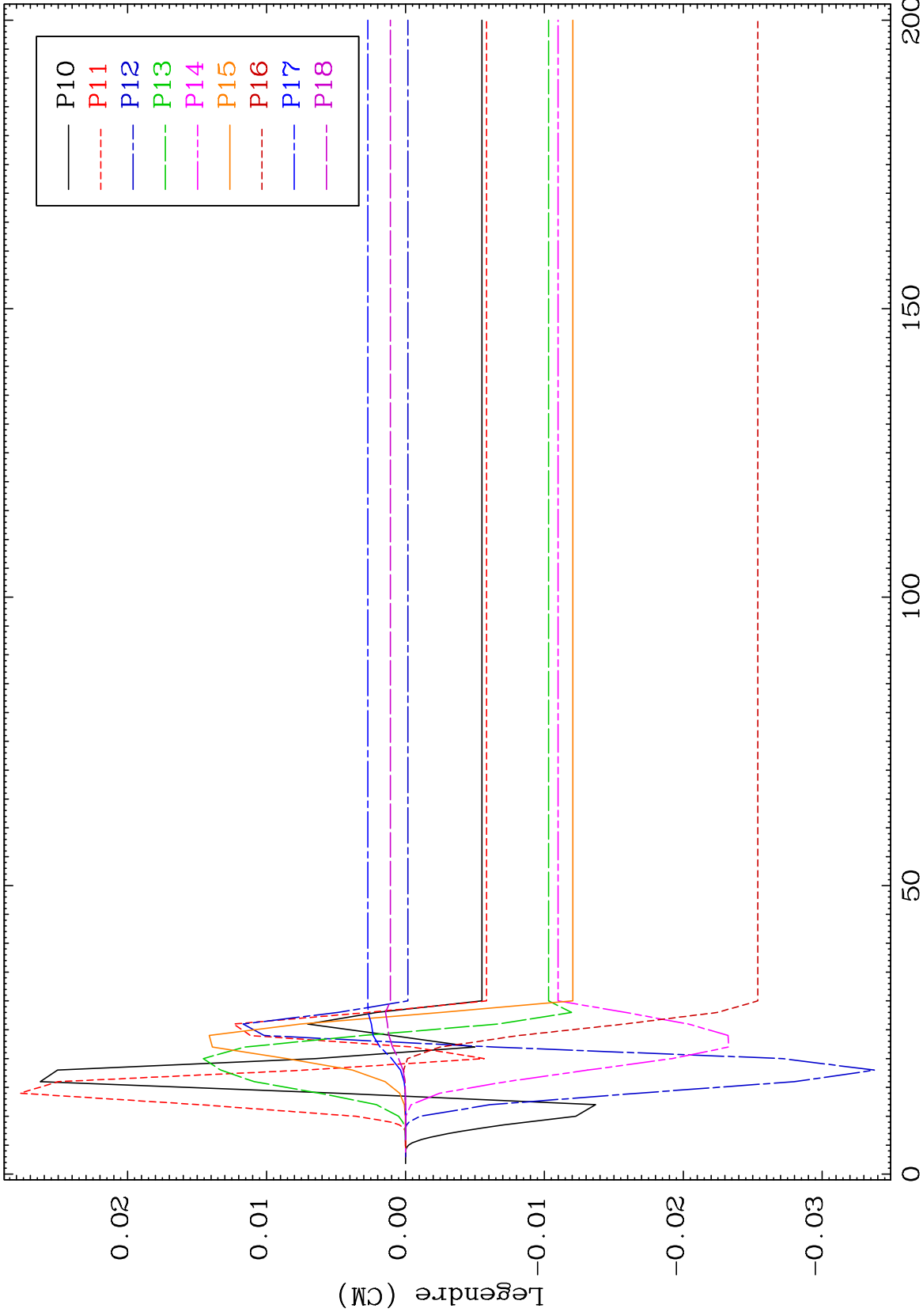
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



28

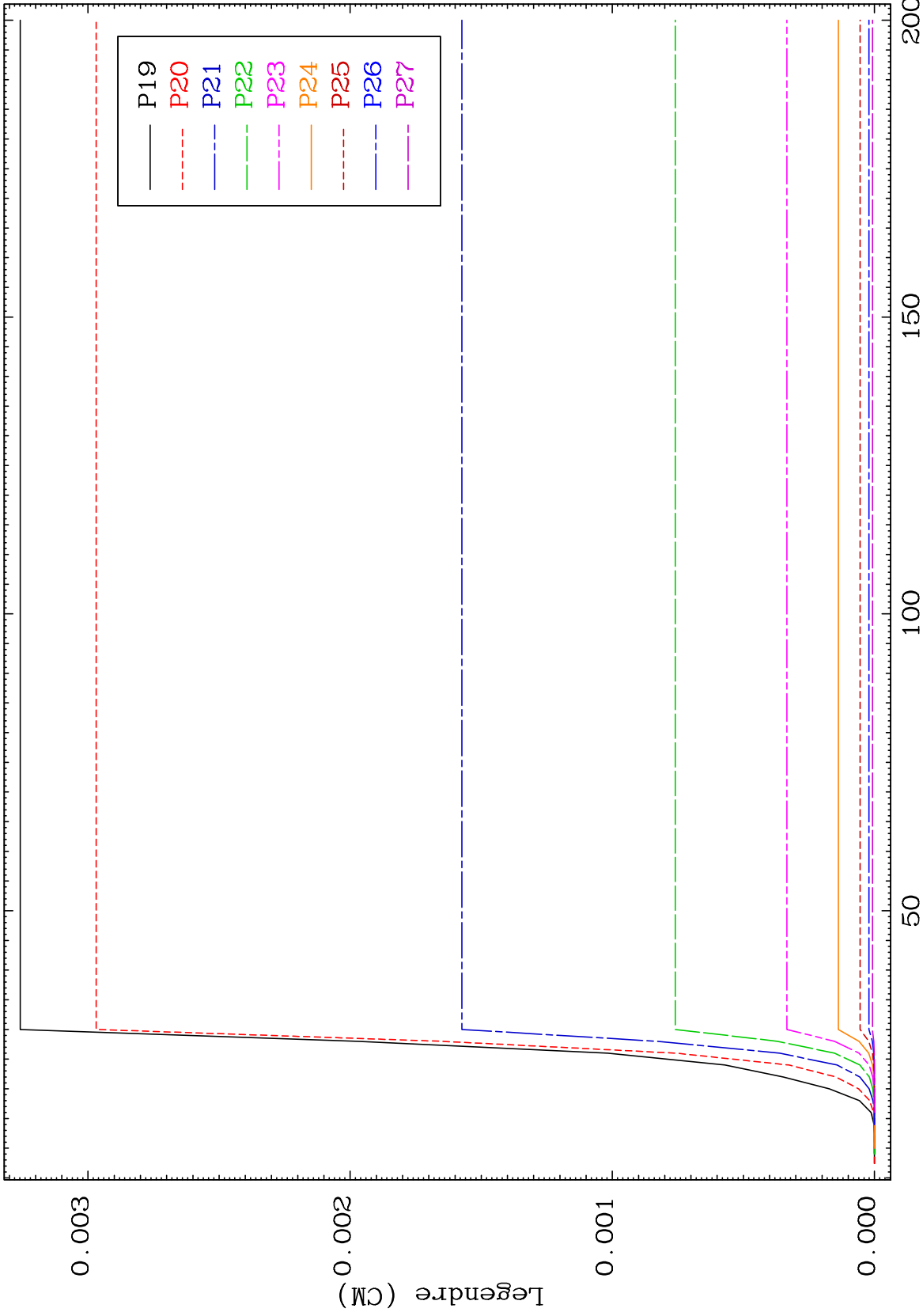
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



29

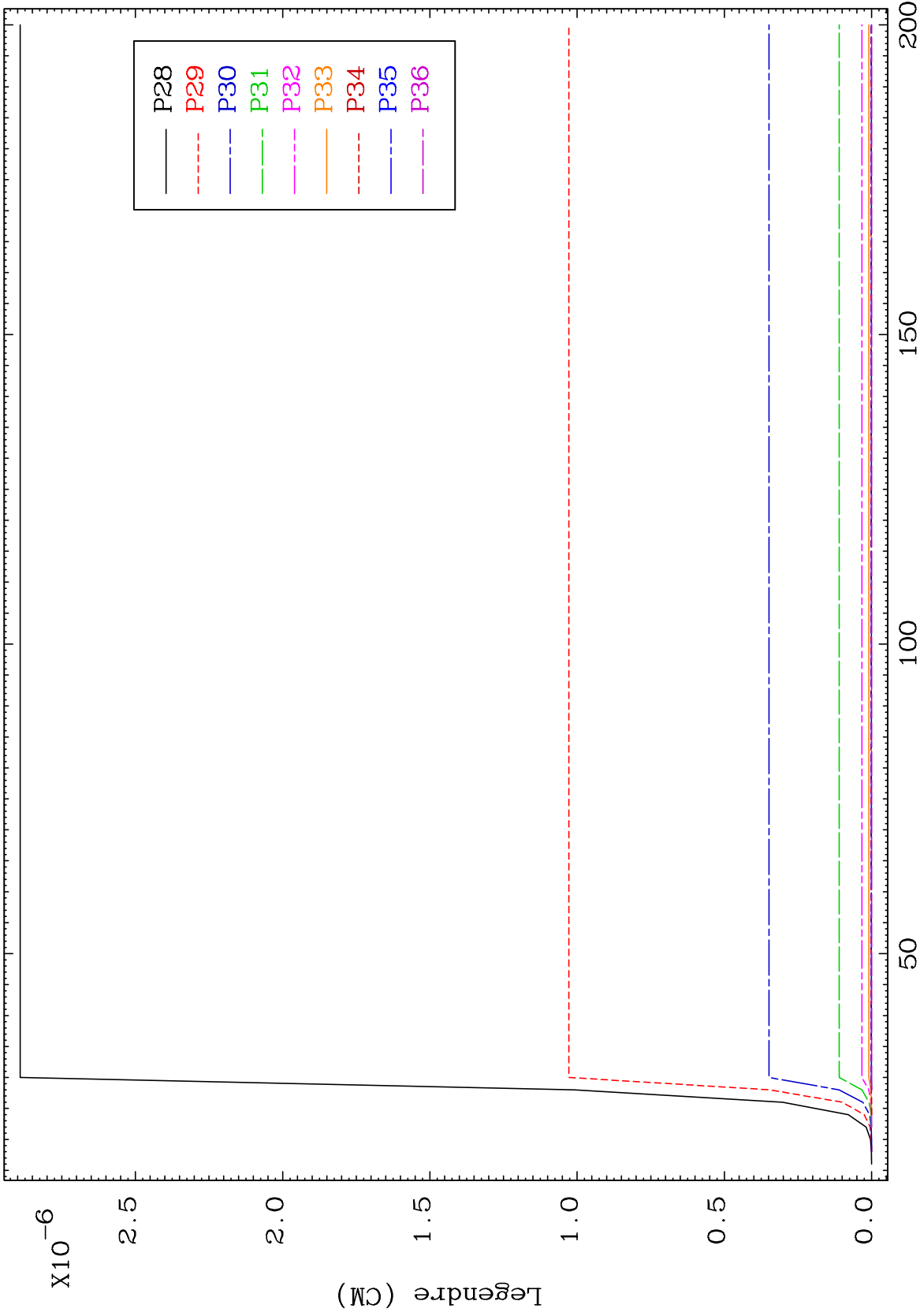
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122

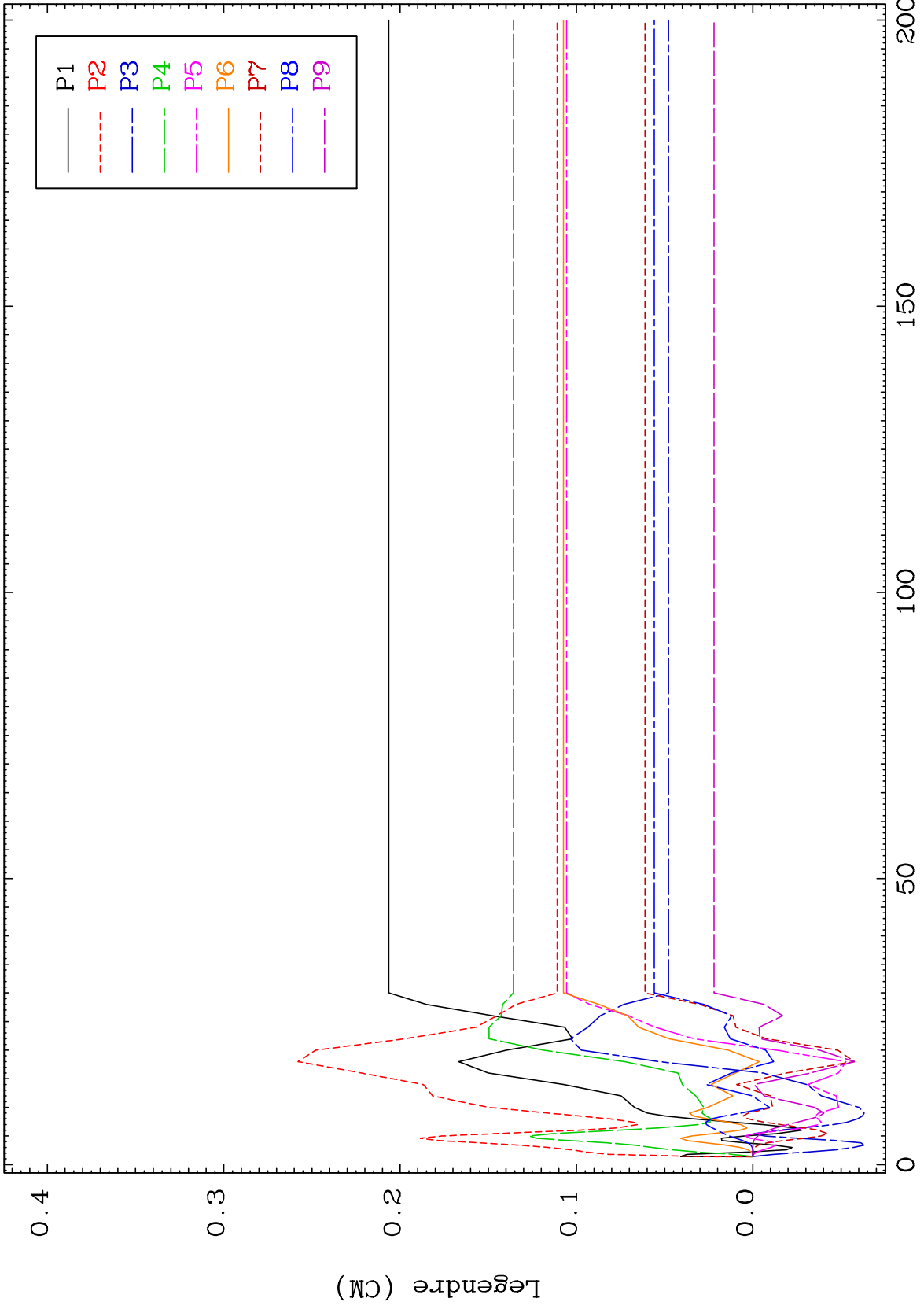


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Incident Energy (MeV)

52-Te-122

MAT 5231 MT= 54 (n,n') Level Legendre Coefficients 52-Te-122

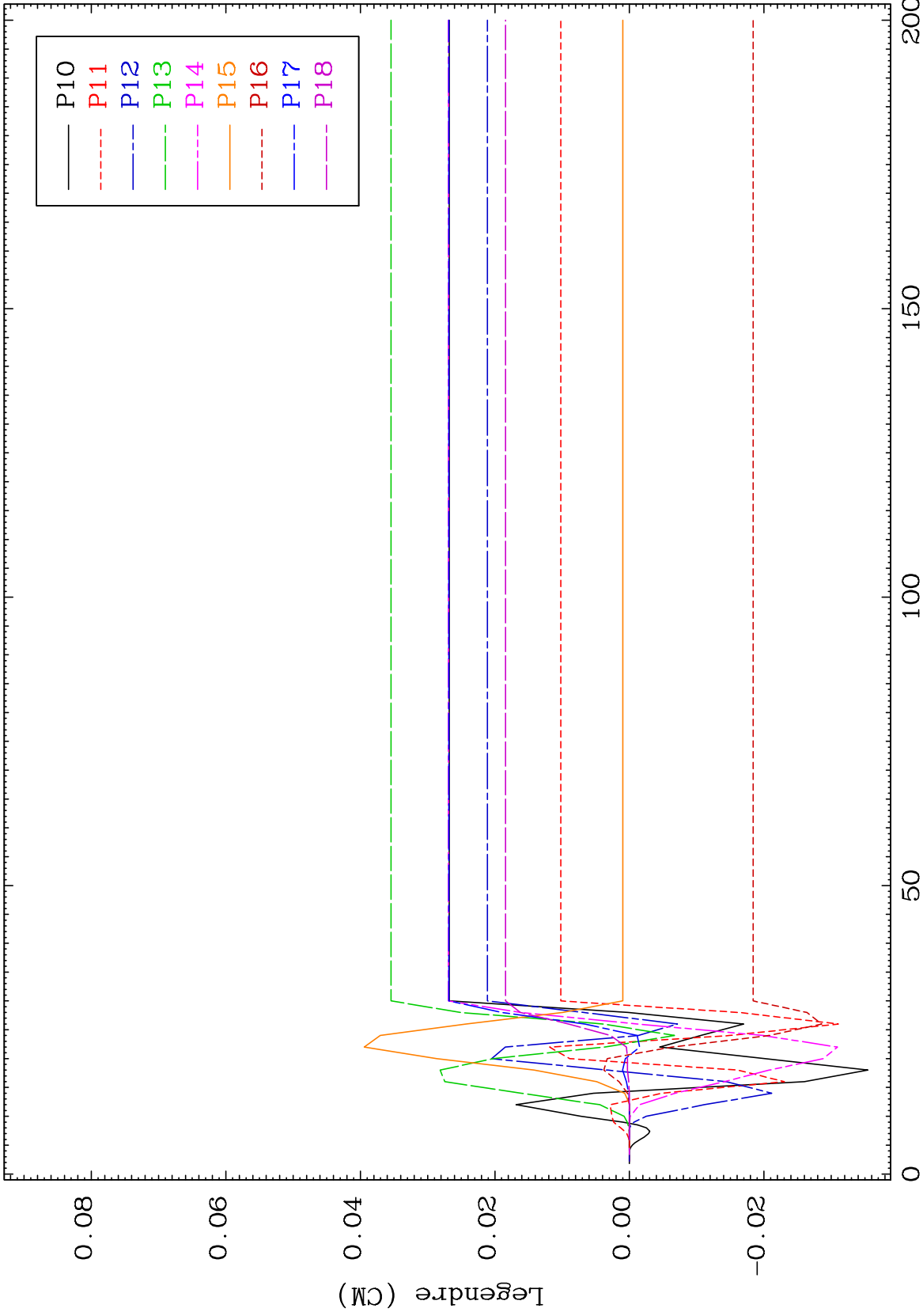


31 52-Te-122

MAT 5231

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

52-Te-122



32

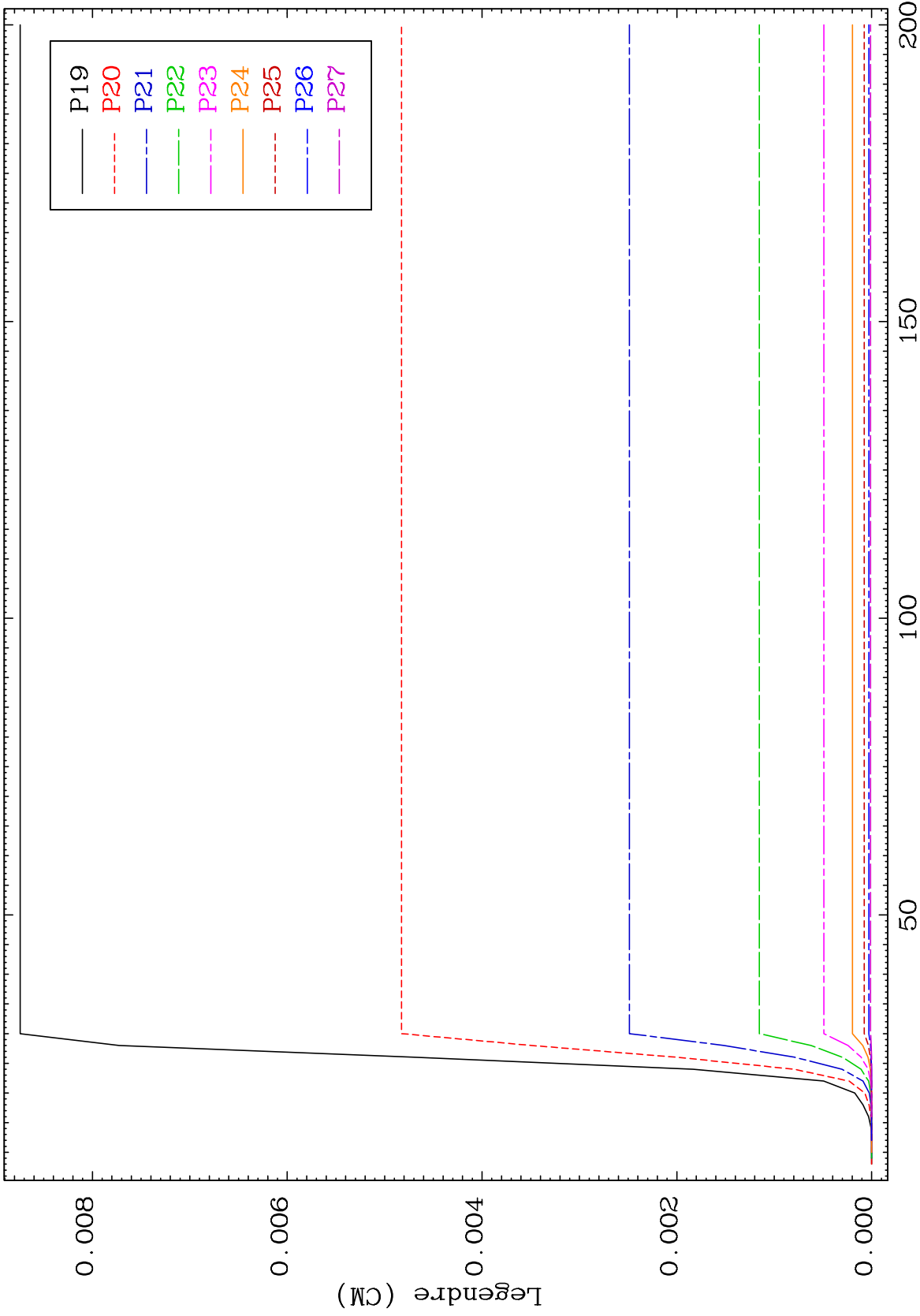
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



33

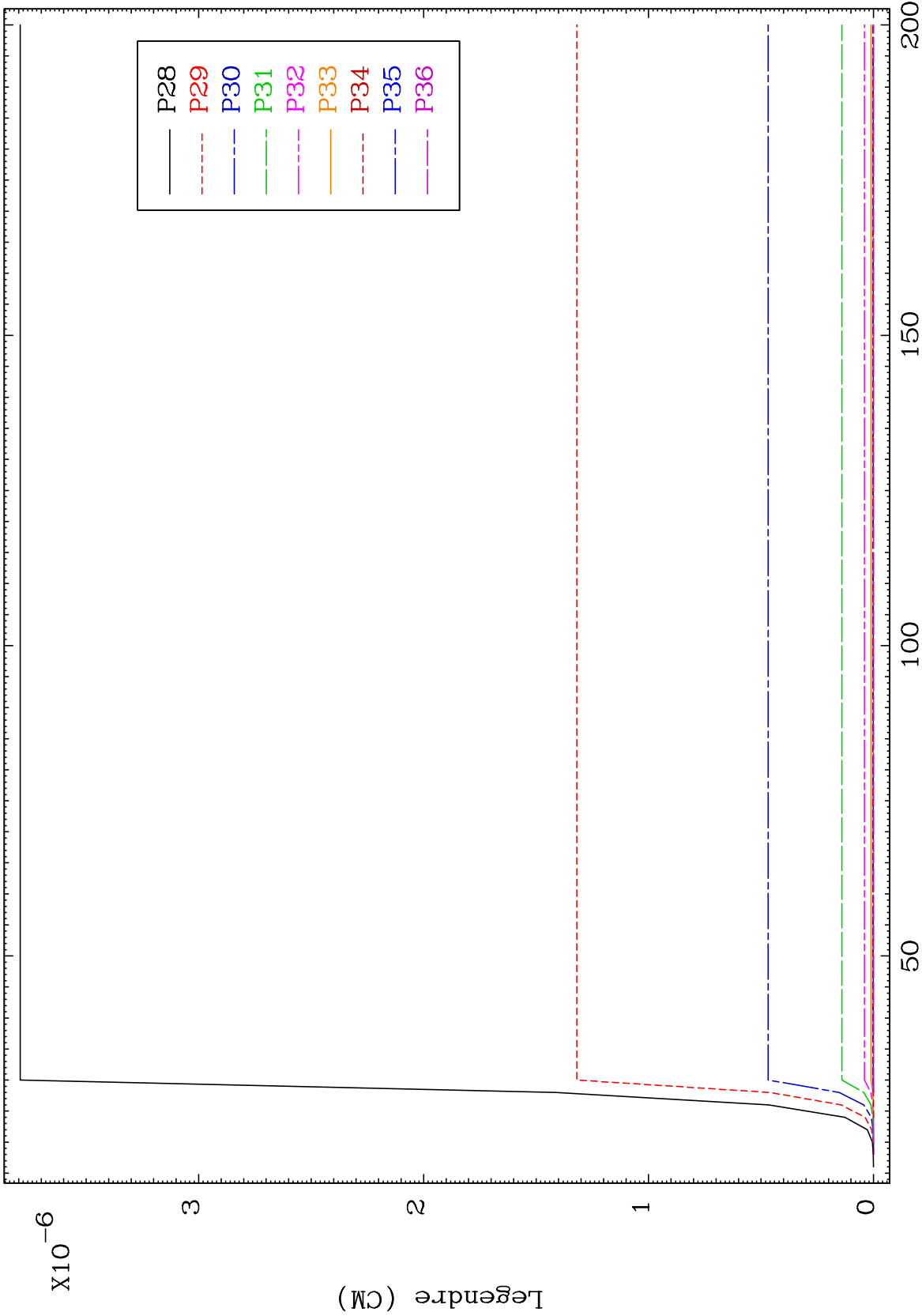
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122

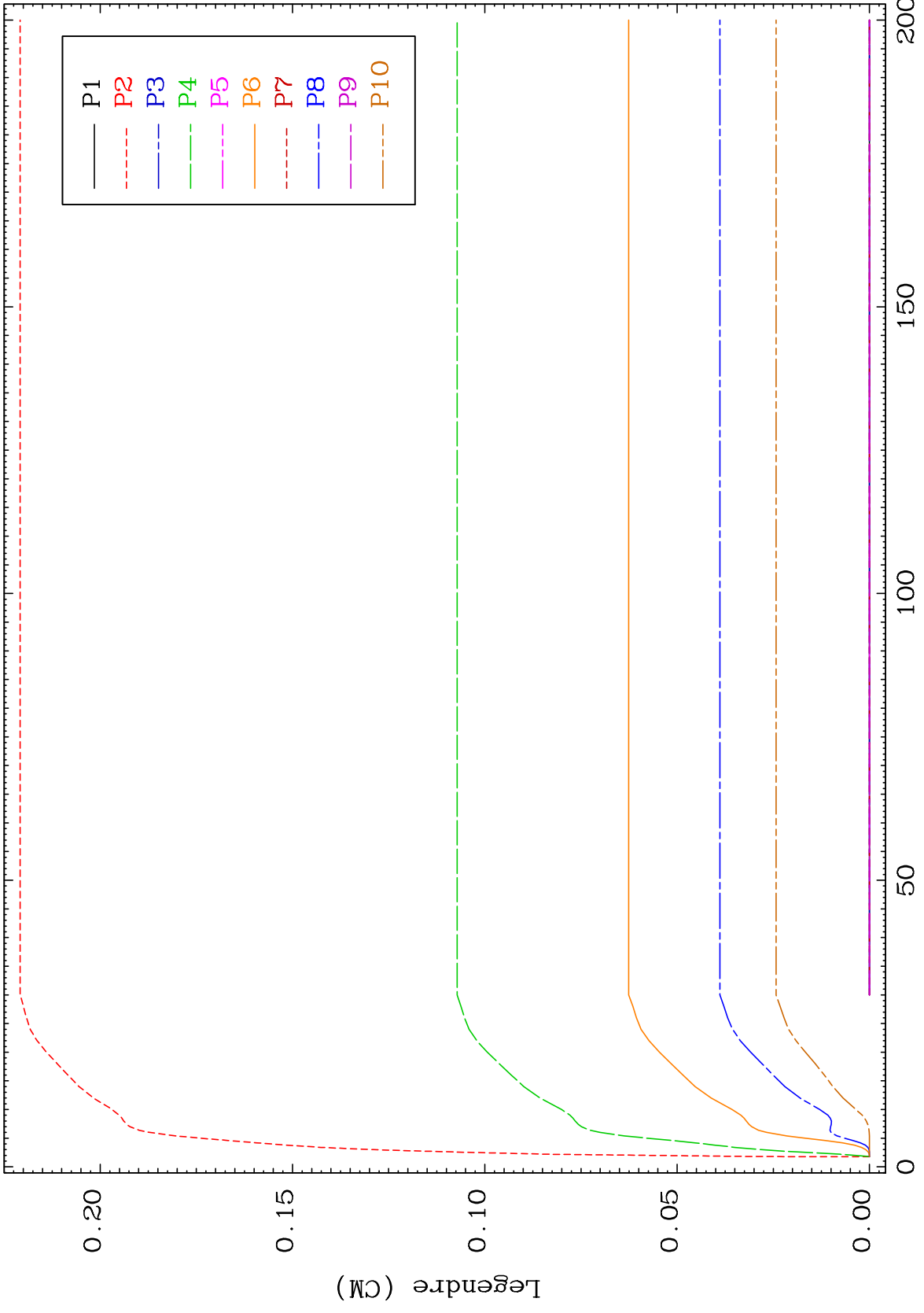


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Incident Energy (MeV)

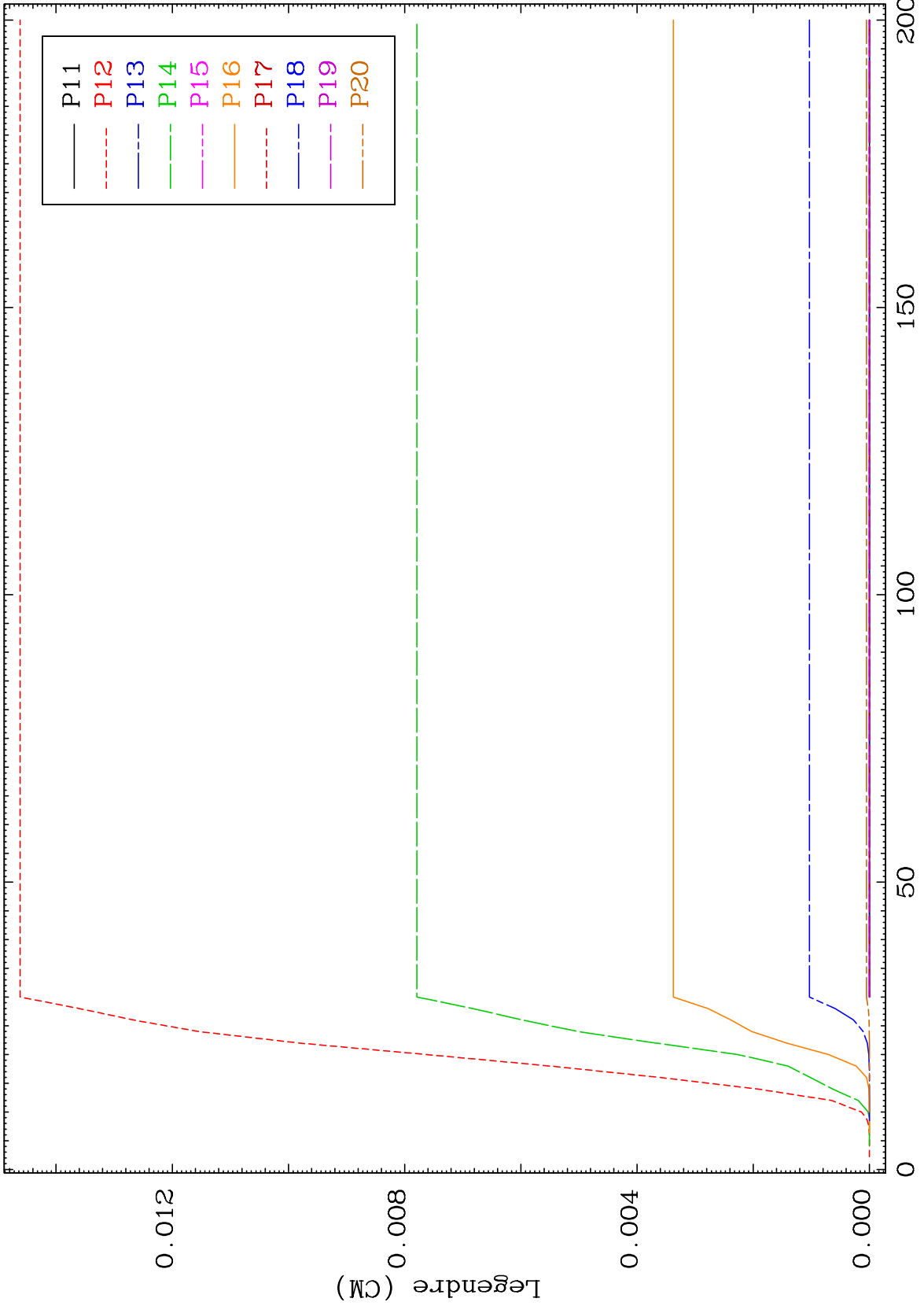
52-Te-122

MAT 5231 MT= 55 (n,n') Level Legendre Coefficients 52-Te-122



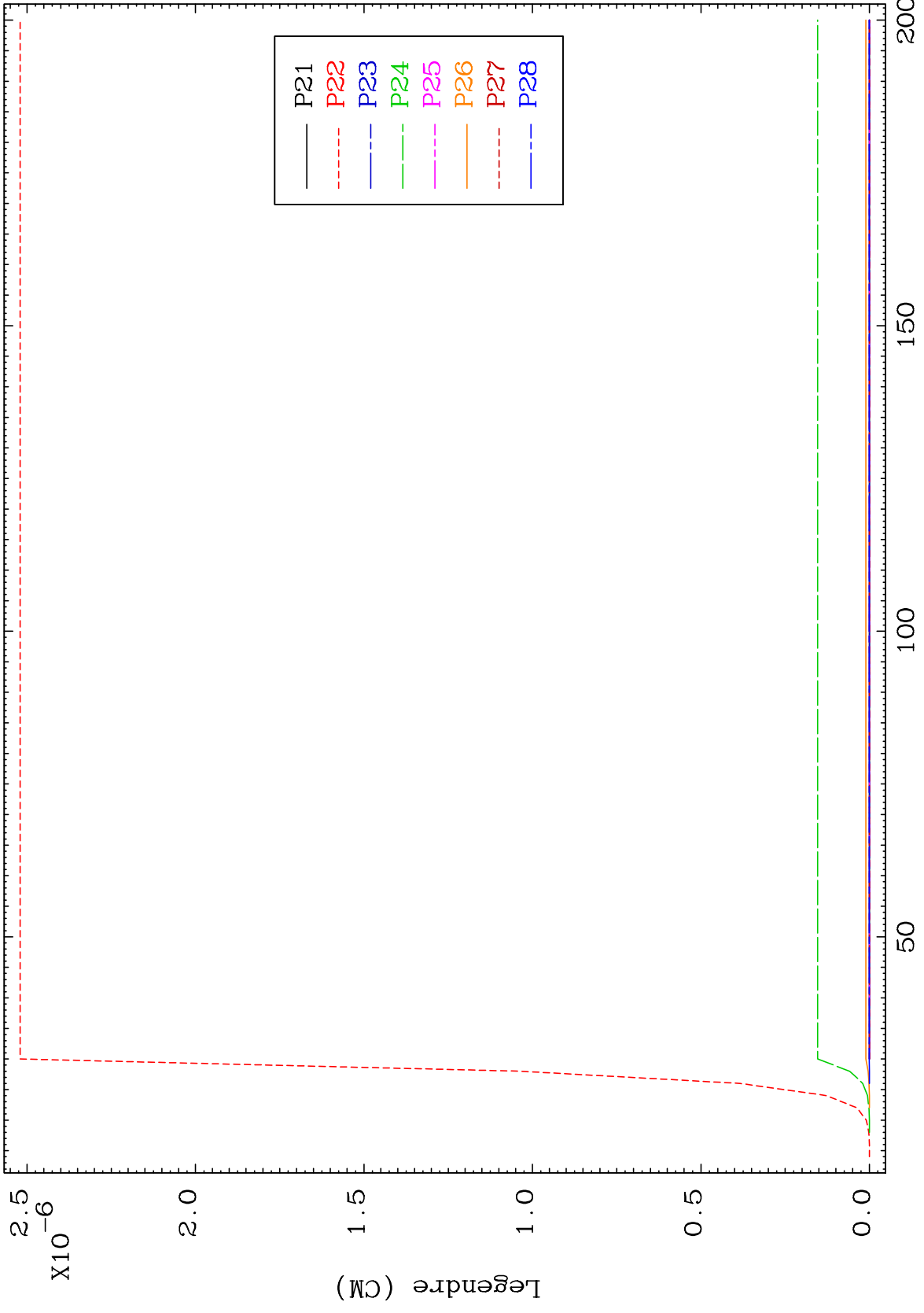
35 Incident Energy (MeV) 52-Te-122

MAT 5231 MT= 55 (n,n') Level Legendre Coefficients 52-Te-122



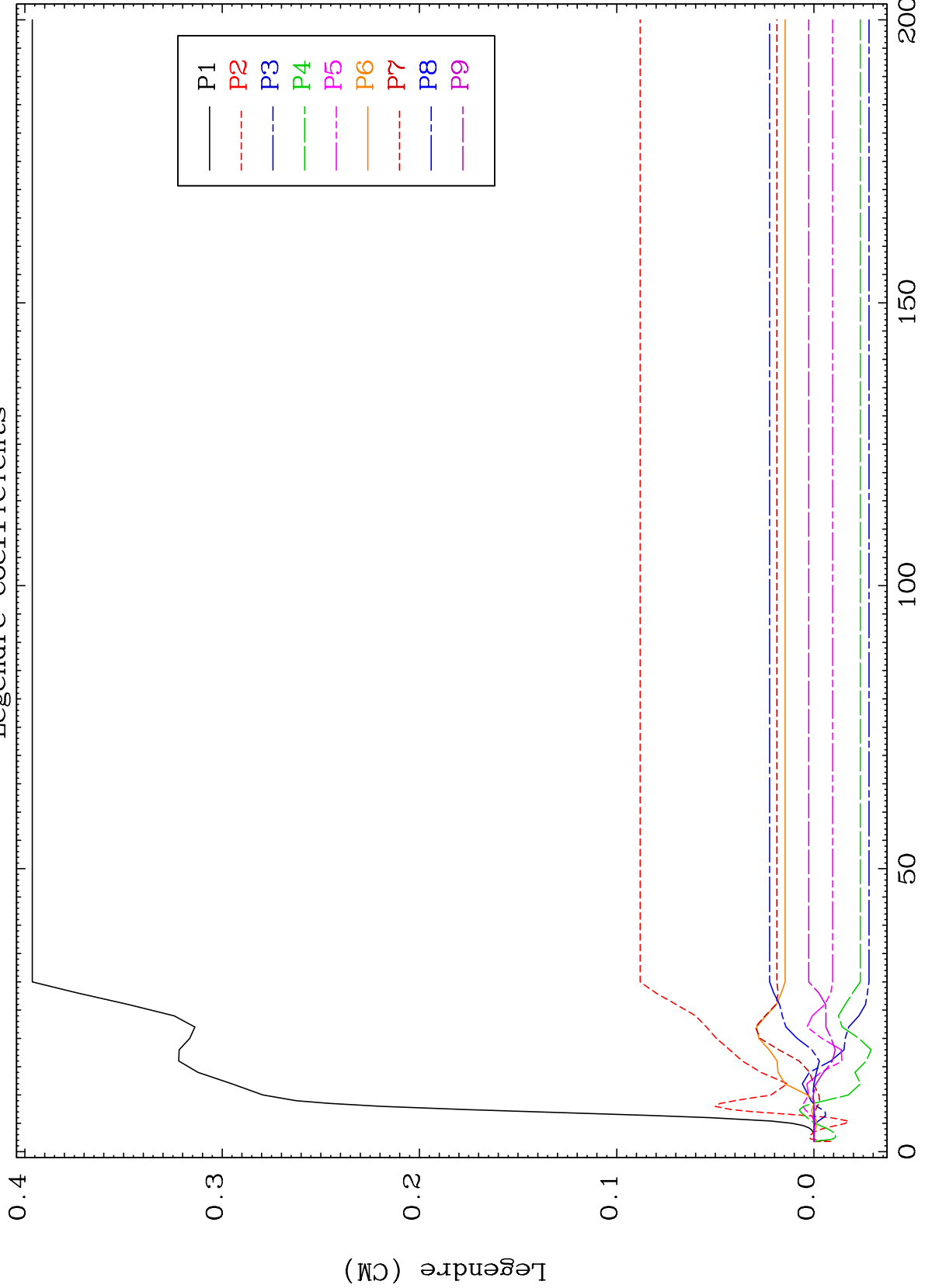
36 52-Te-122

MAT 5231 MT= 55 (n,n') Level Legendre Coefficients 52-Te-122



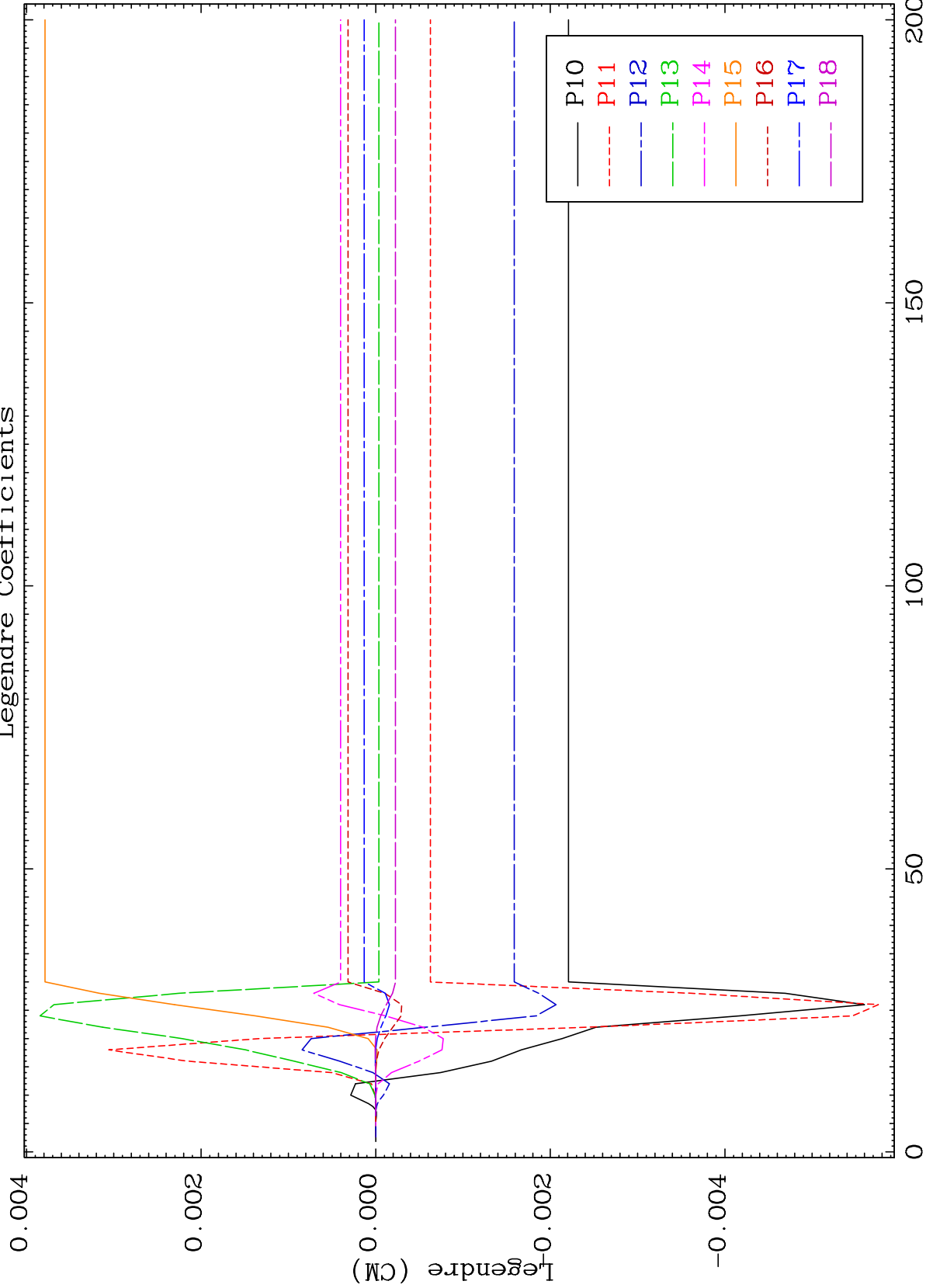
MAT 5231 MT= 56 (n,n') Level Legendre Coefficients

52-Te-122



MAT 5231 MT= 56 (n,n') Level Legendre Coefficients

52-Te-122

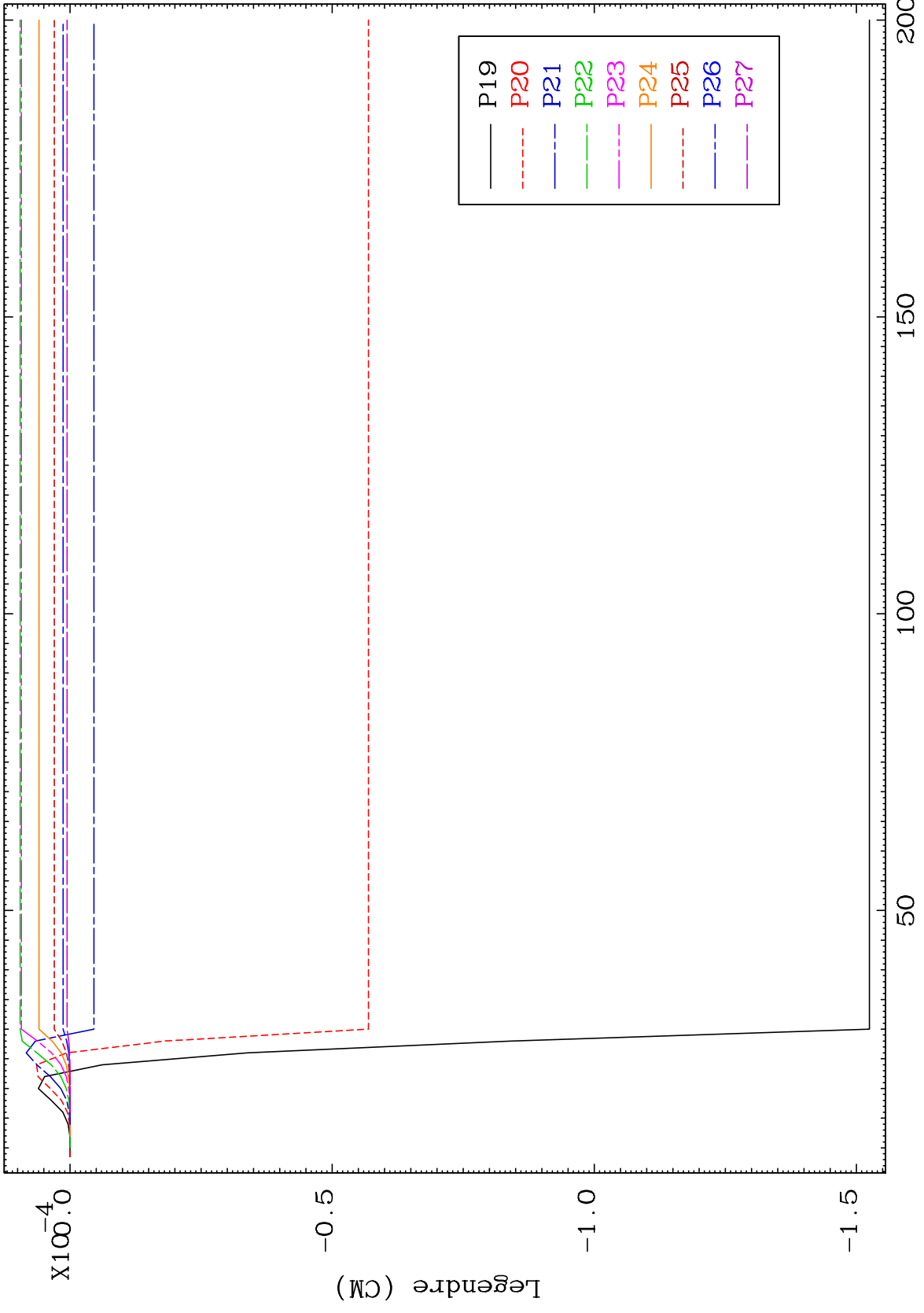


52-Te-122

Incident Energy (MeV)

39

MAT 5231 MT= 56 (n,n') Level Legendre Coefficients 52-Te-122

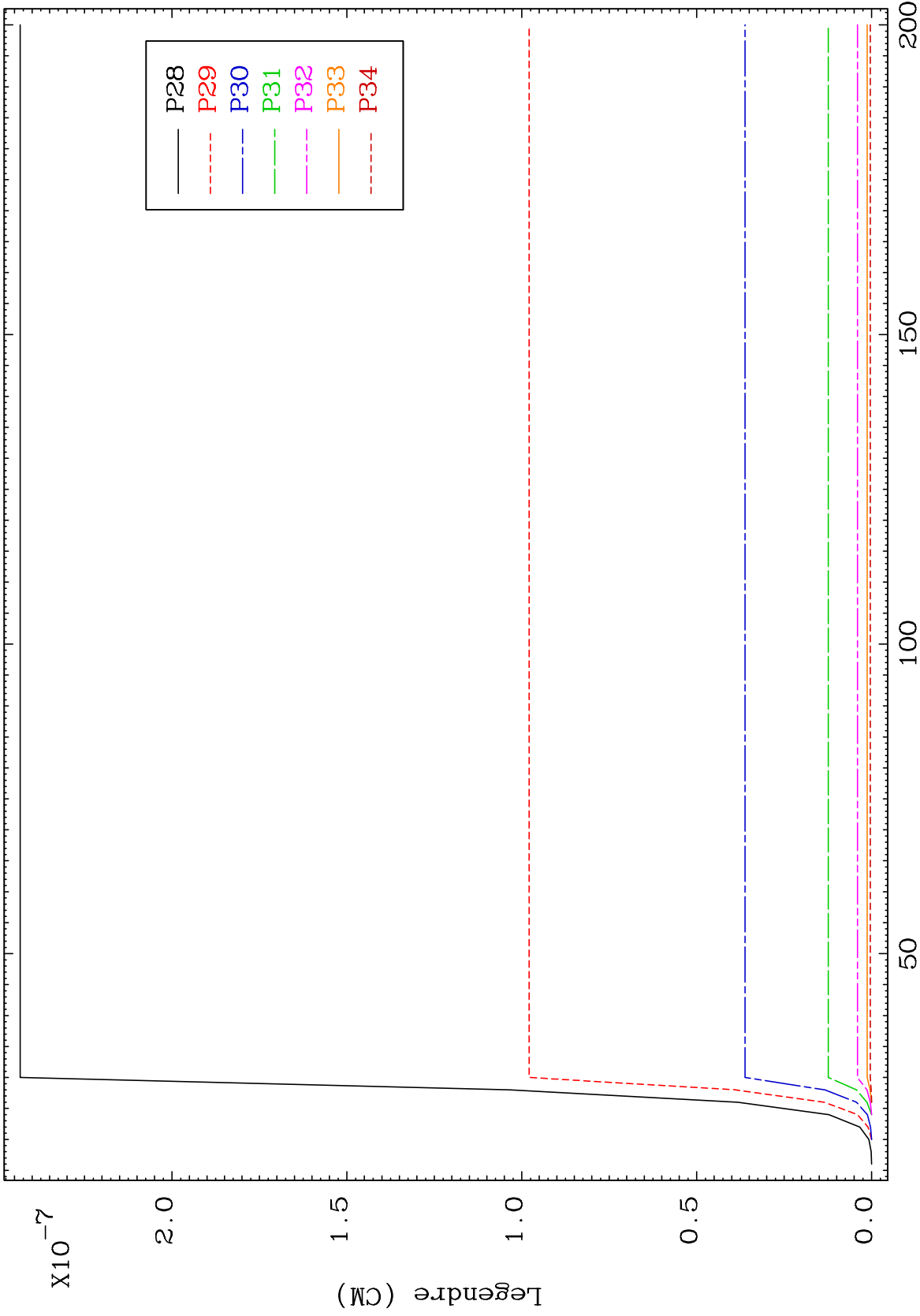


40 50 100 150 200 Incident Energy (MeV) 52-Te-122

MAT 5231

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

52-Te-122



41

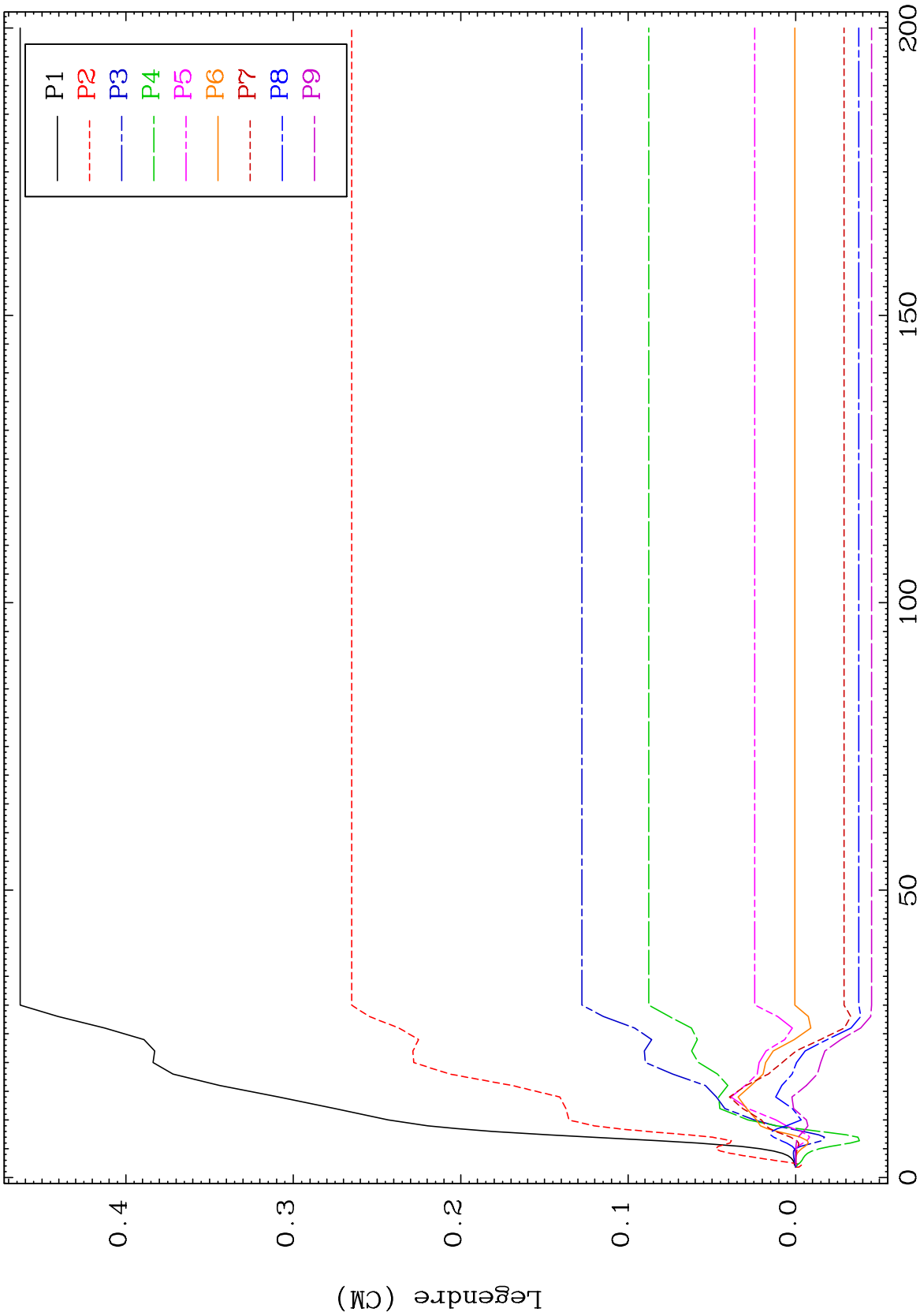
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



42

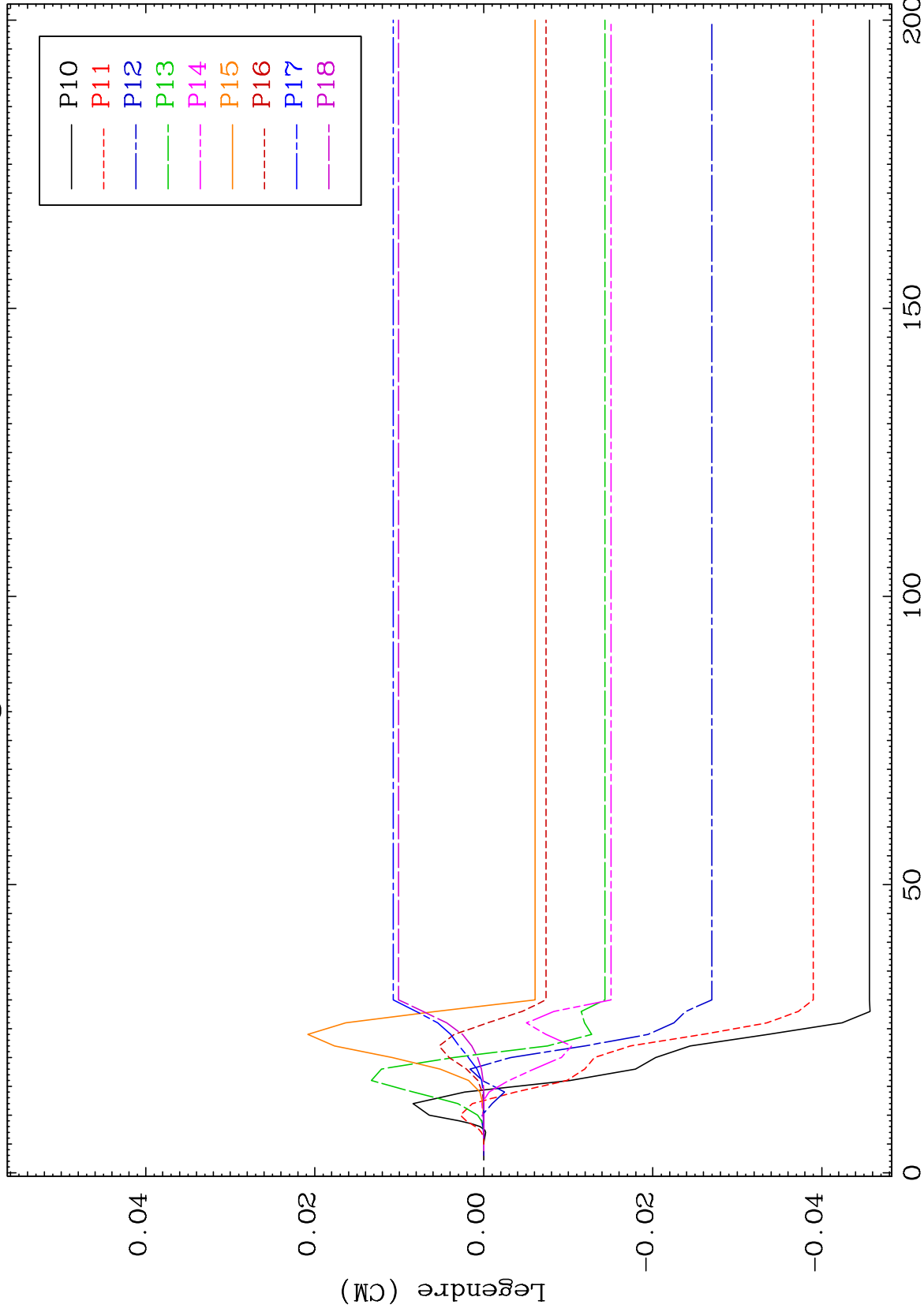
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



43

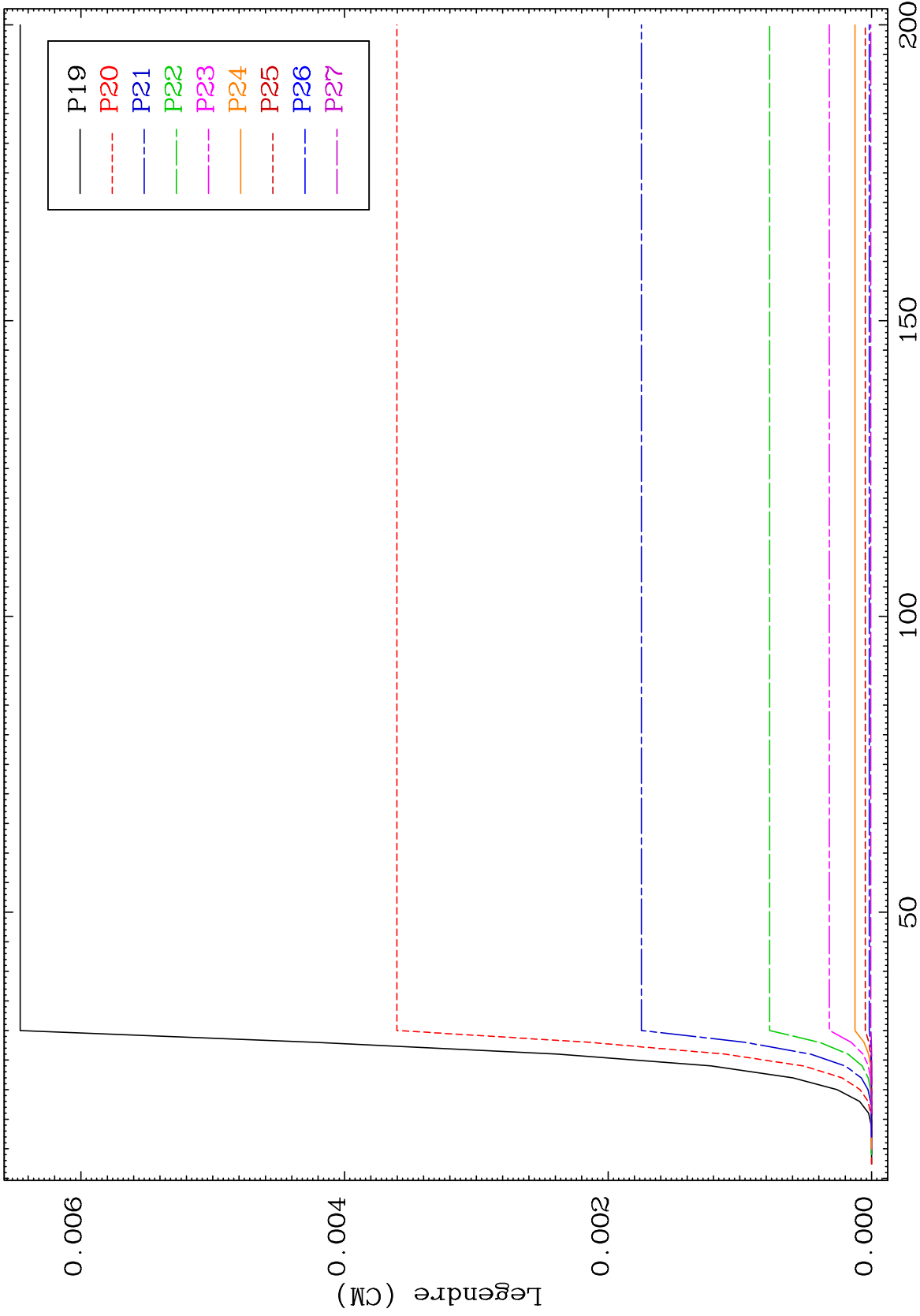
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



44

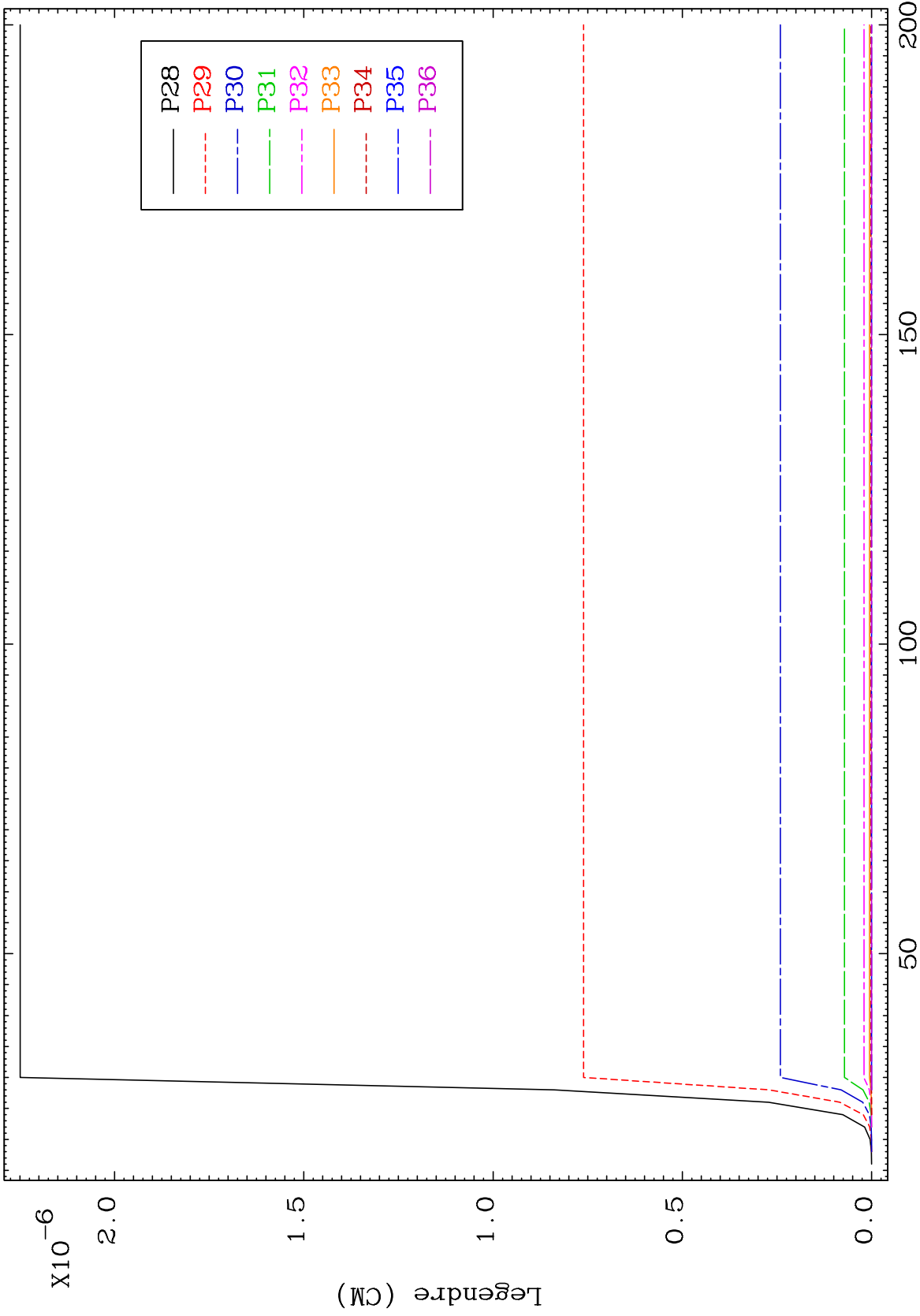
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



45

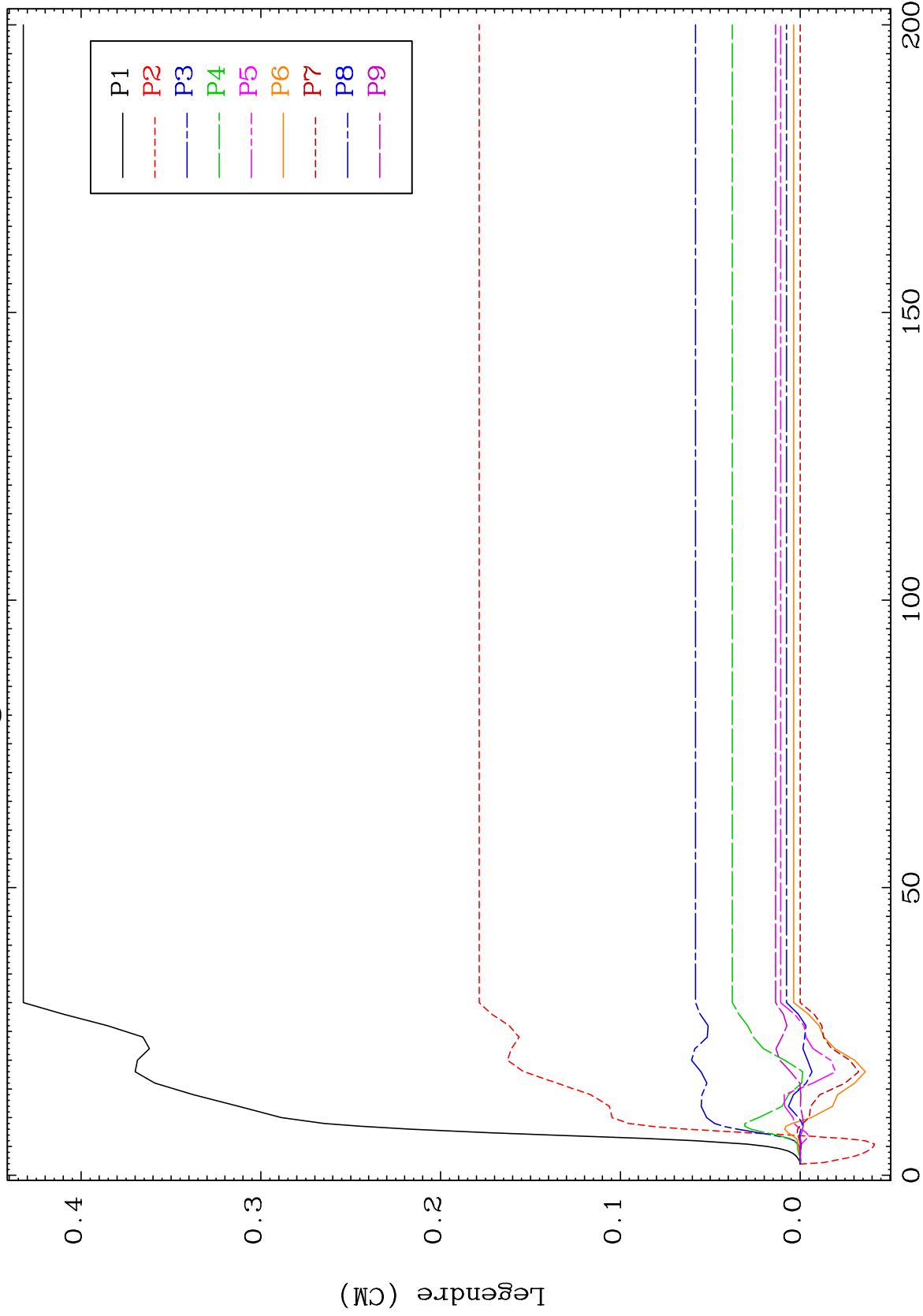
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



46

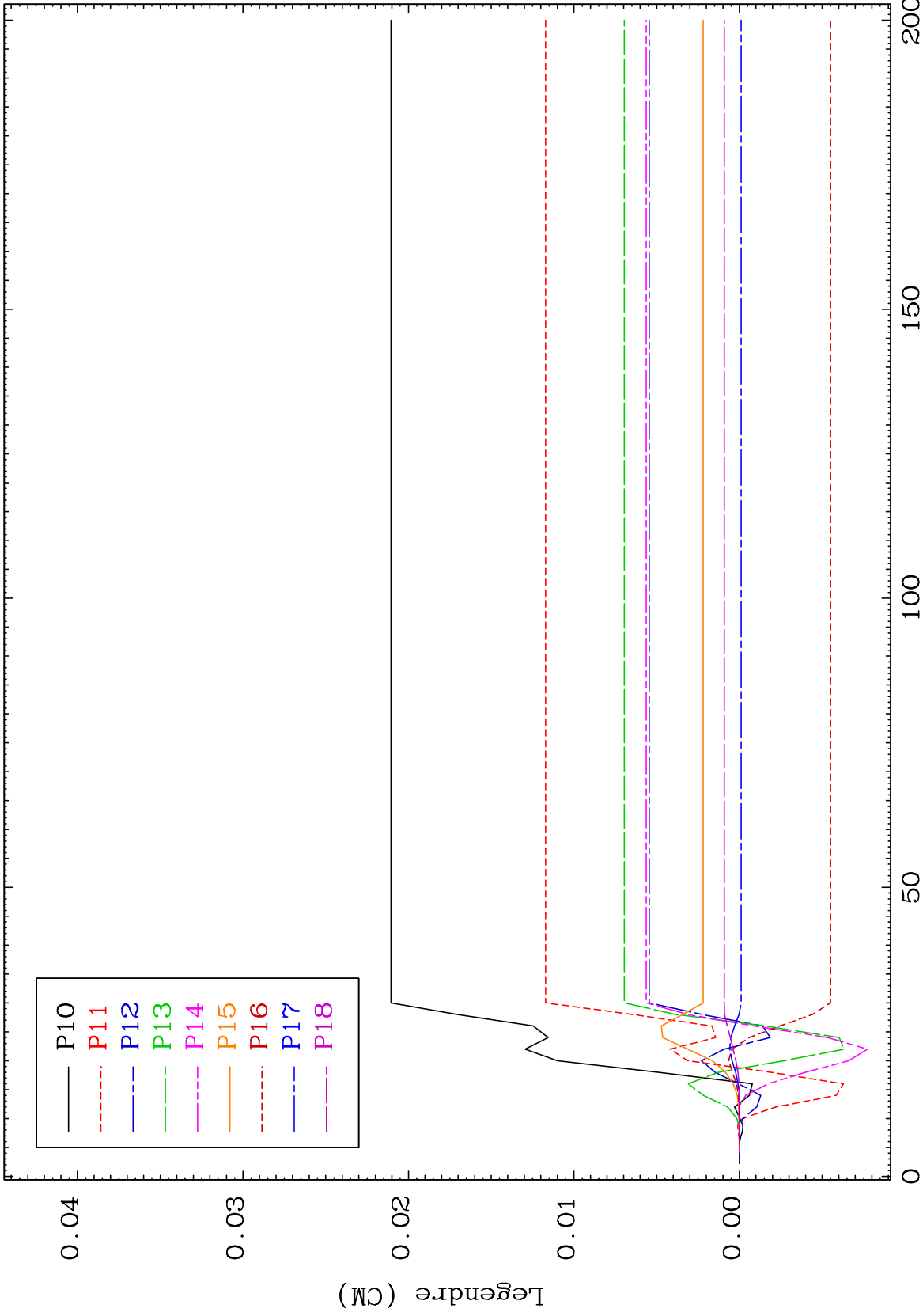
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



47

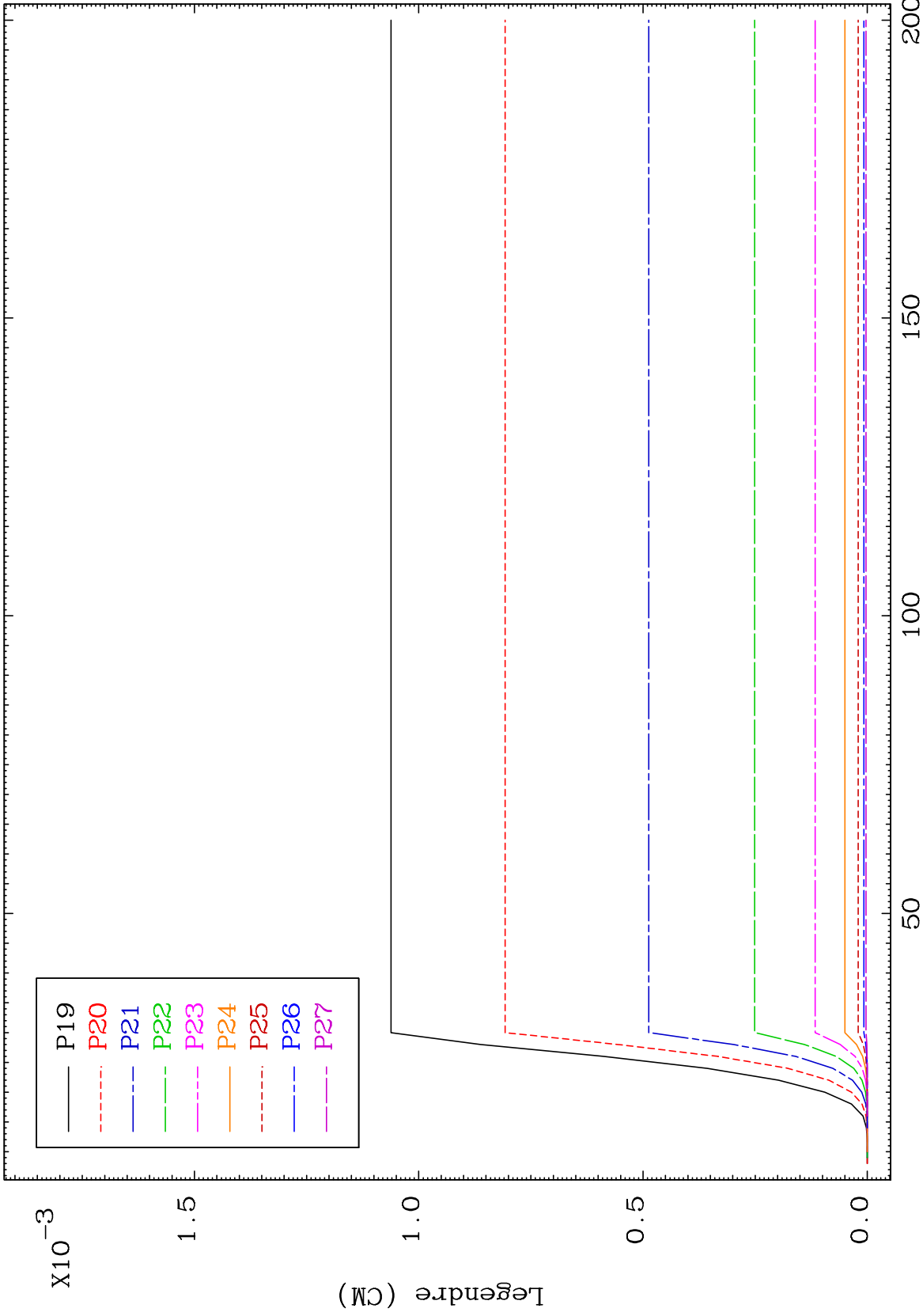
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



48

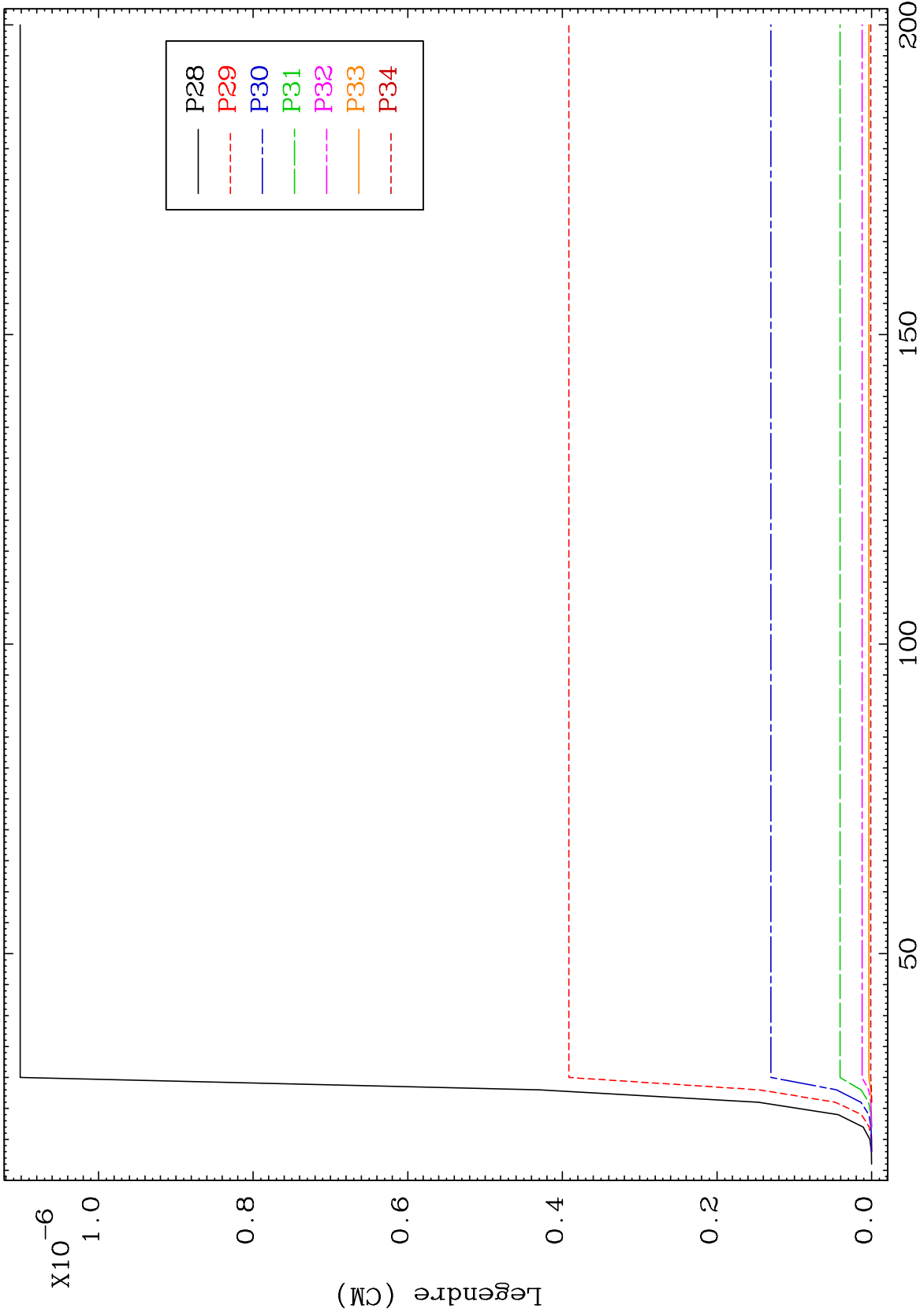
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122

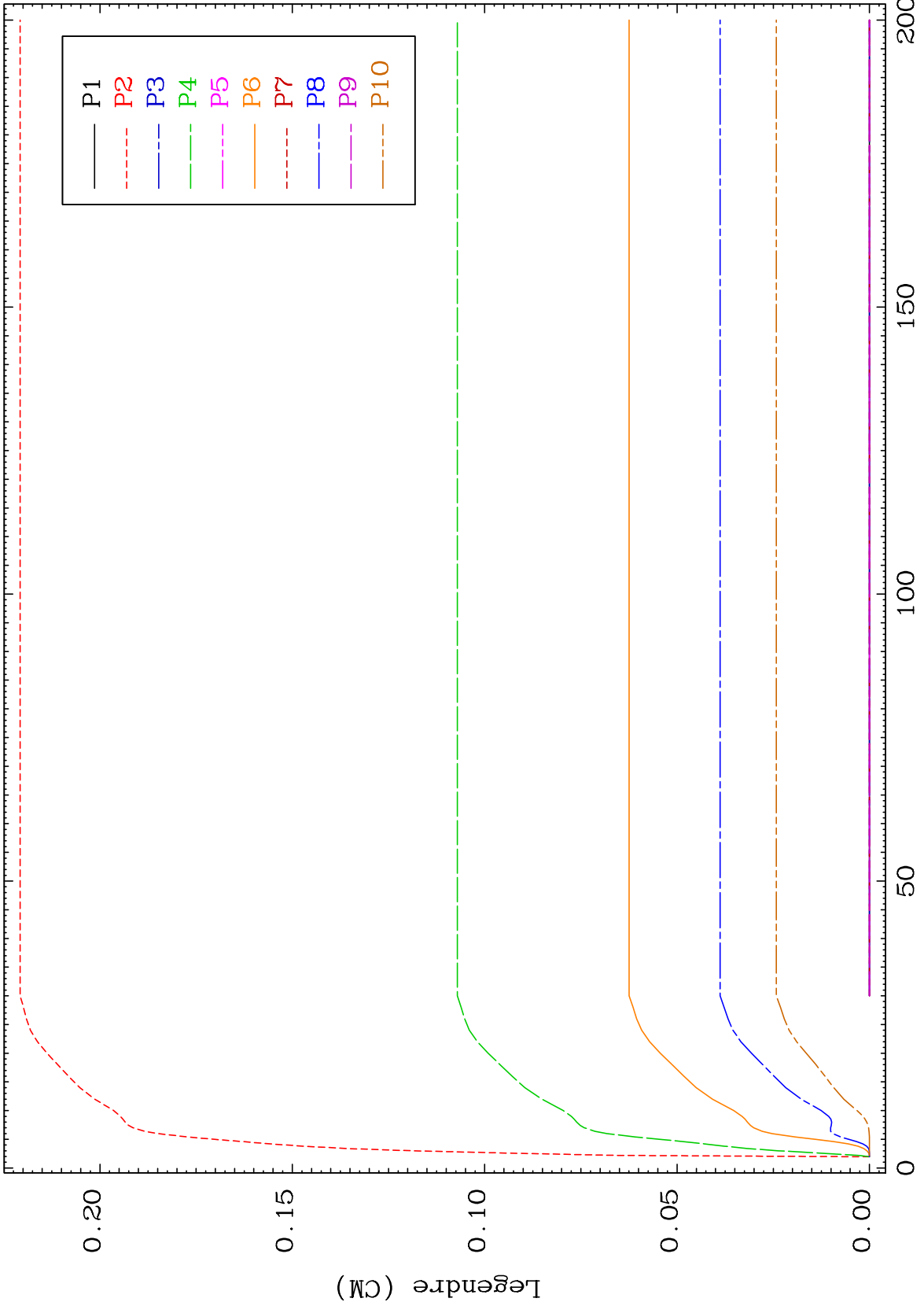


49

Incident Energy (MeV)

52-Te-122

MAT 5231 MT= 59 (n,n') Level Legendre Coefficients 52-Te-122

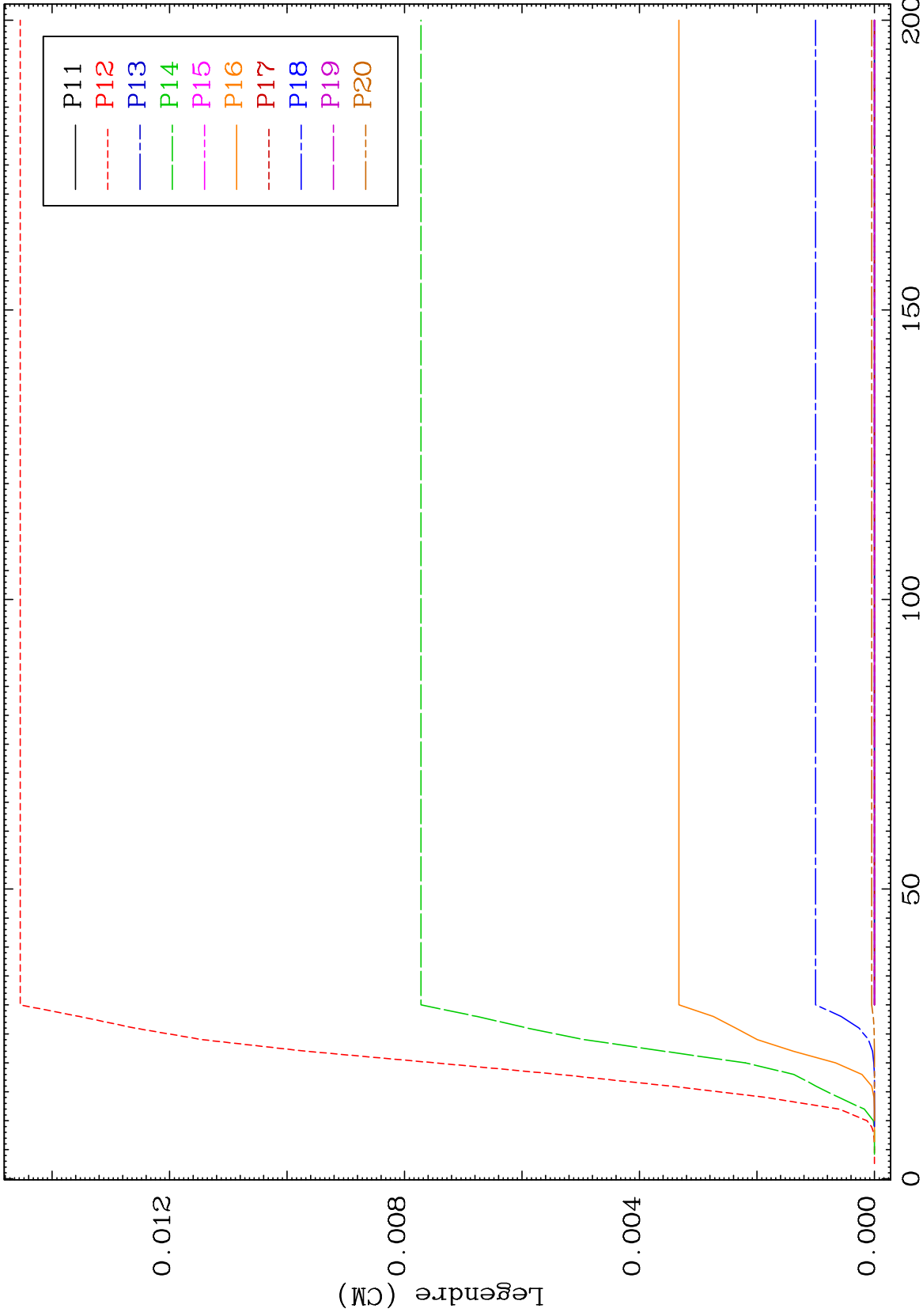


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MAT 5231

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

52-Te-122

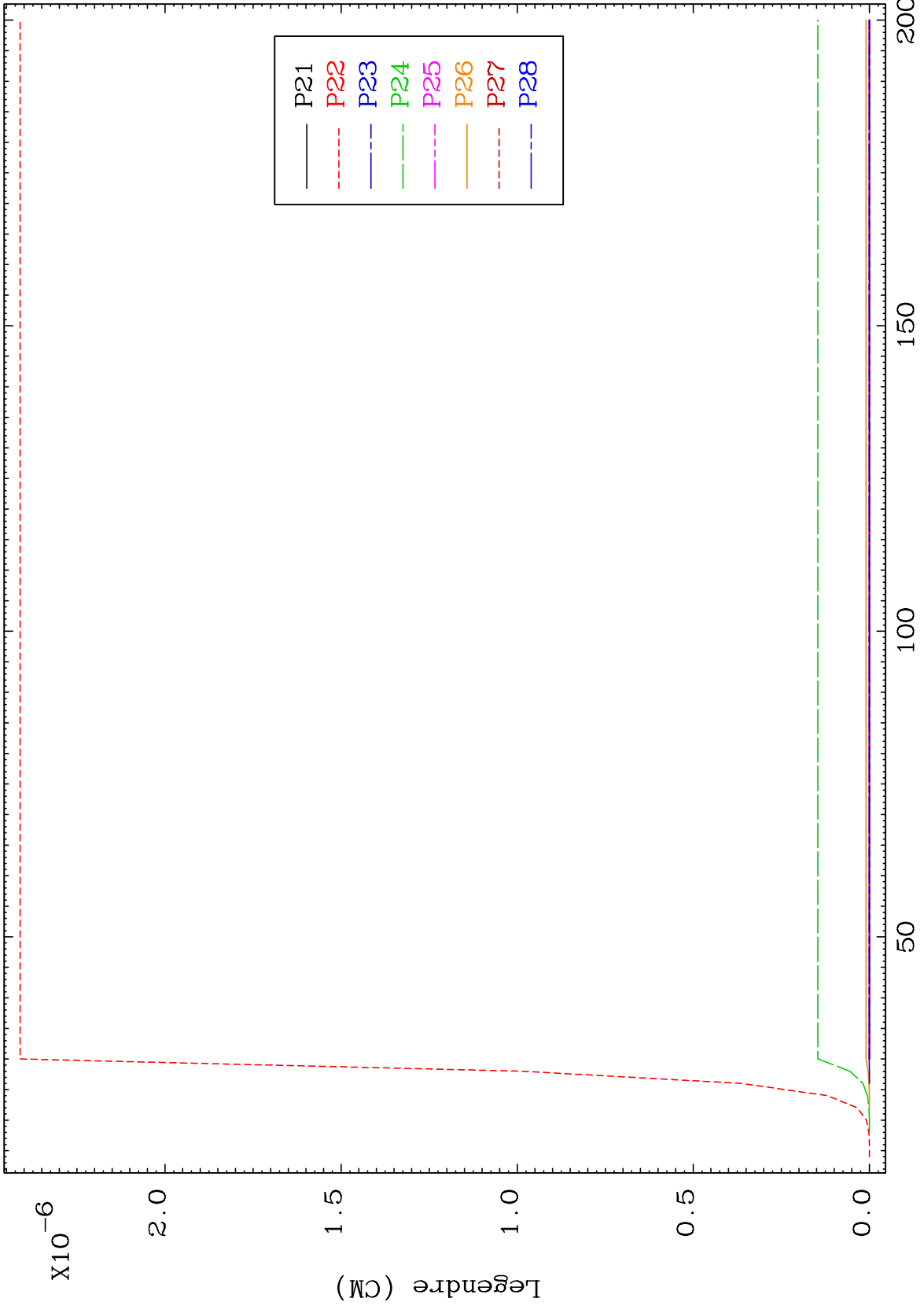


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Incident Energy (MeV)

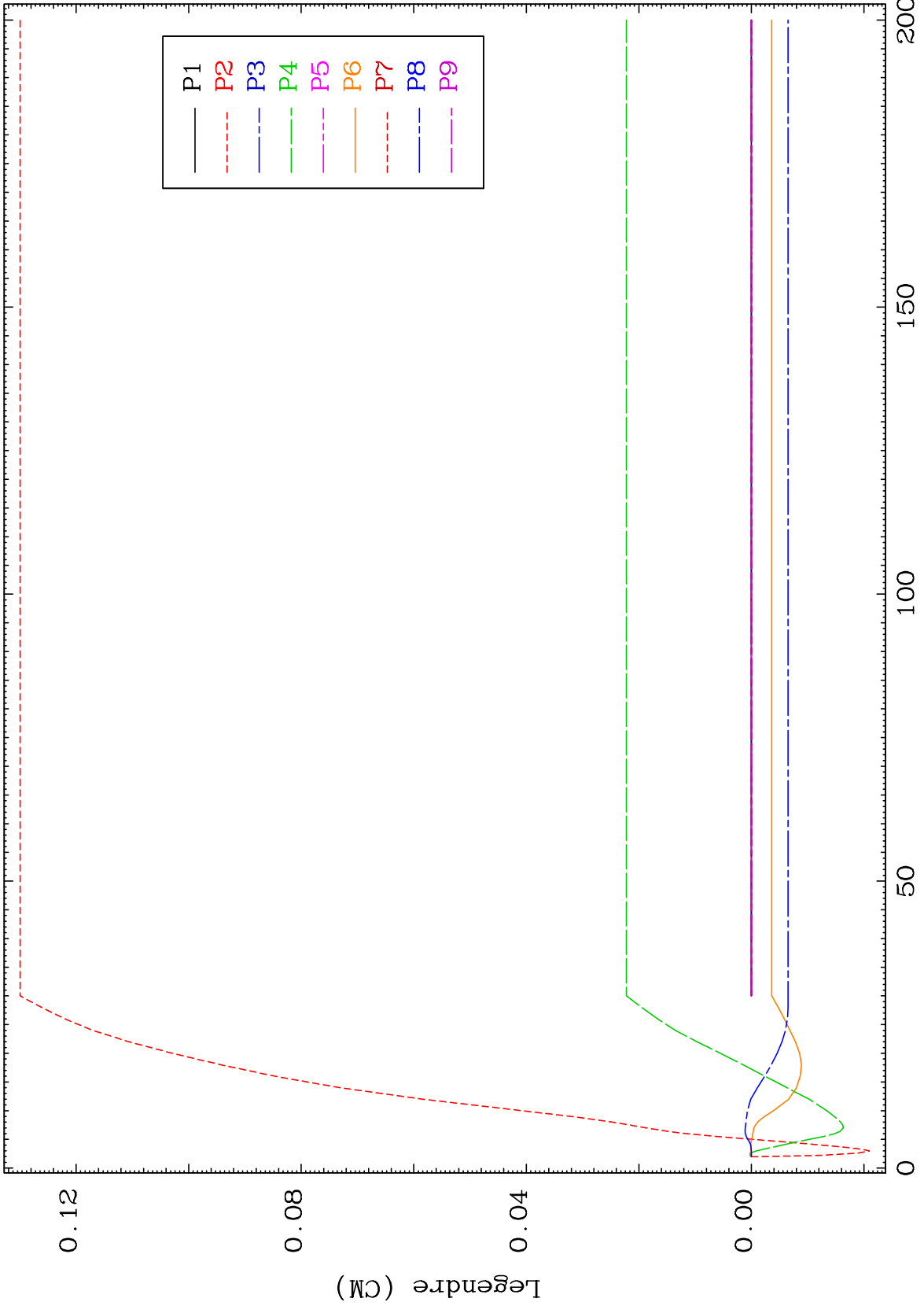
52-Te-122

MAT 5231 MT= 59 (n,n') Level Legendre Coefficients 52-Te-122



52-Te-122

MAT 5231 MT= 60 (n,n') Level Legendre Coefficients 52-Te-122

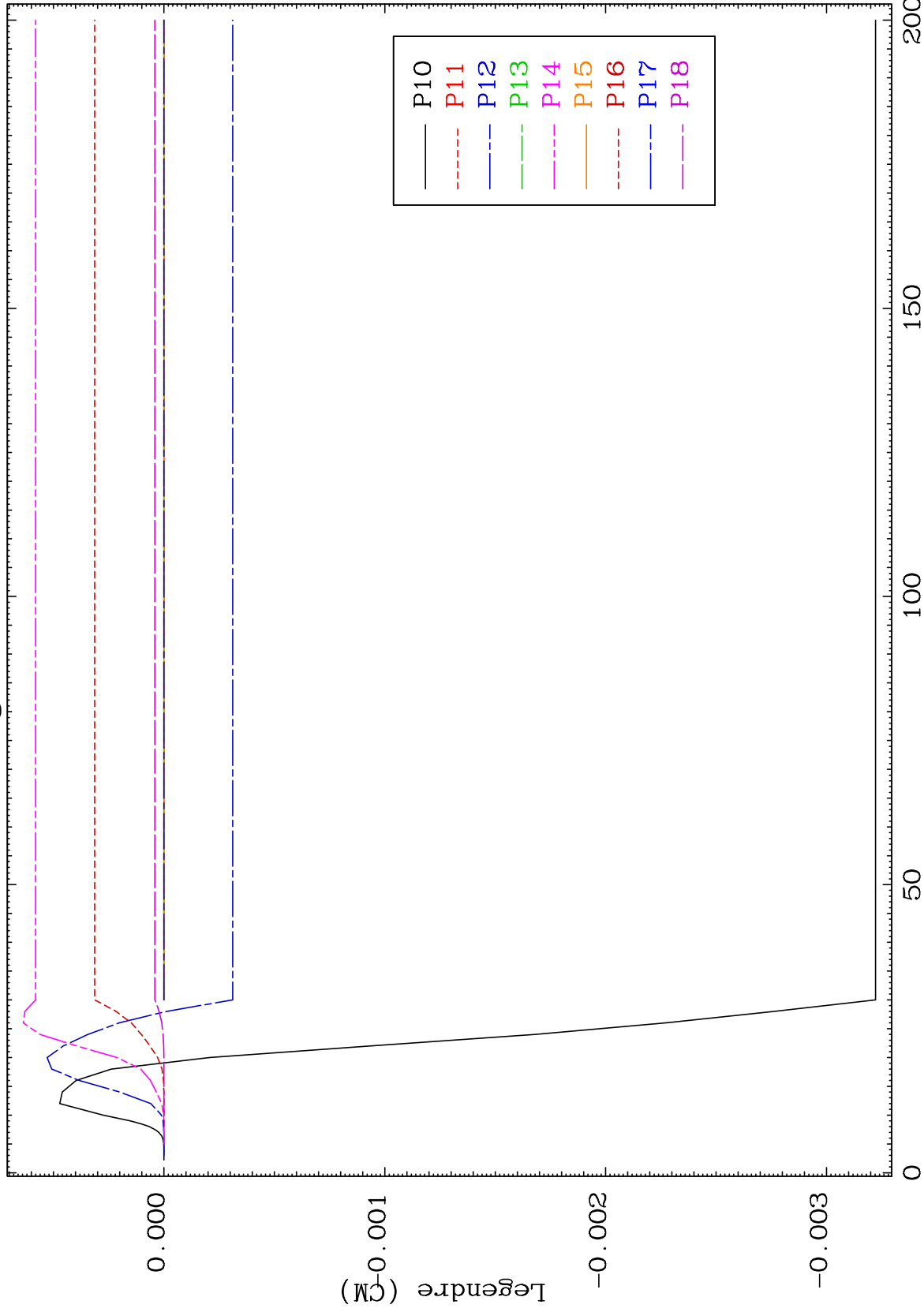


53 52-Te-122

MAT 5231

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

52-Te-122

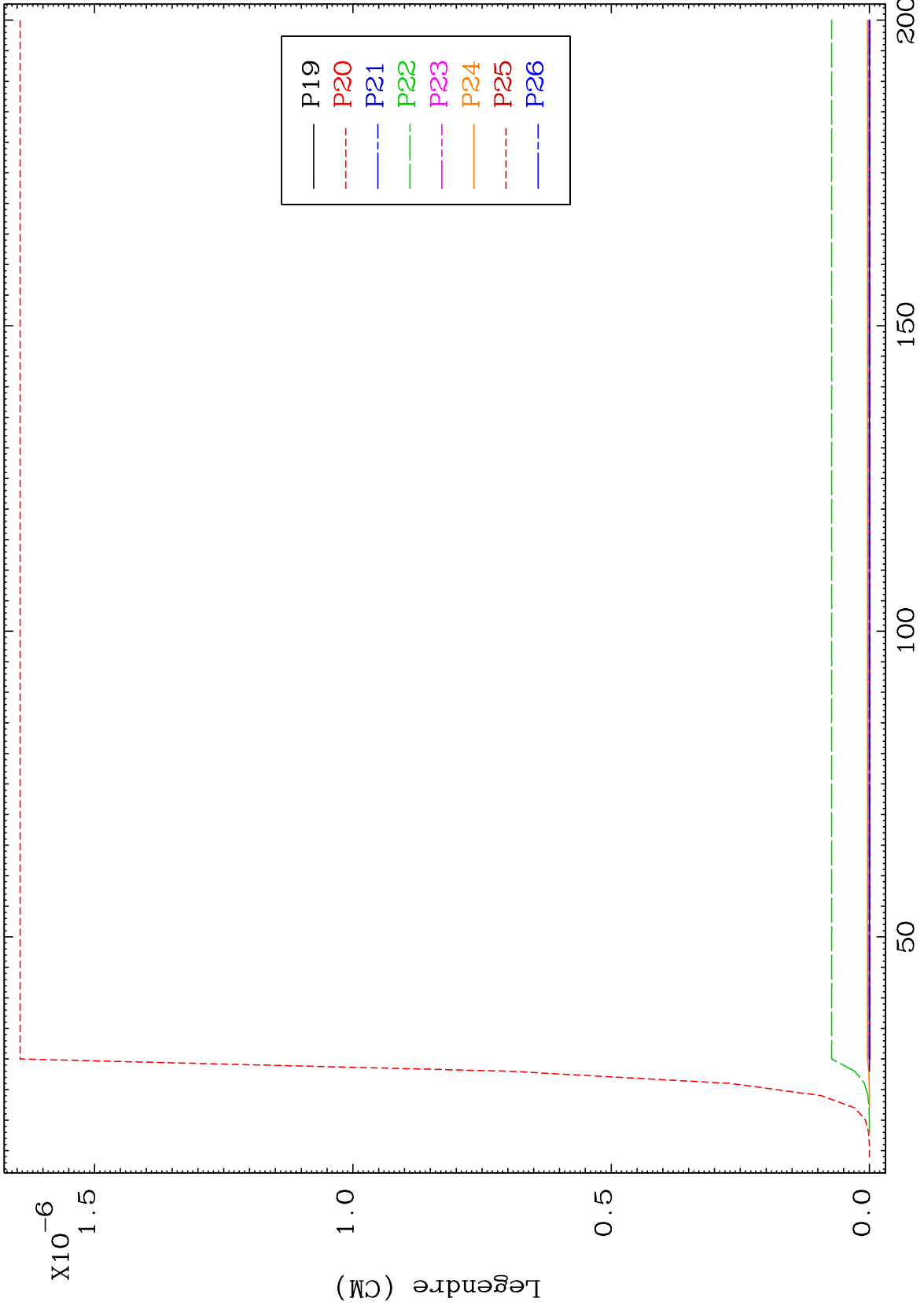


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Incident Energy (MeV)

52-Te-122

MAT 5231 MT= 60 (n,n') Level Legendre Coefficients 52-Te-122

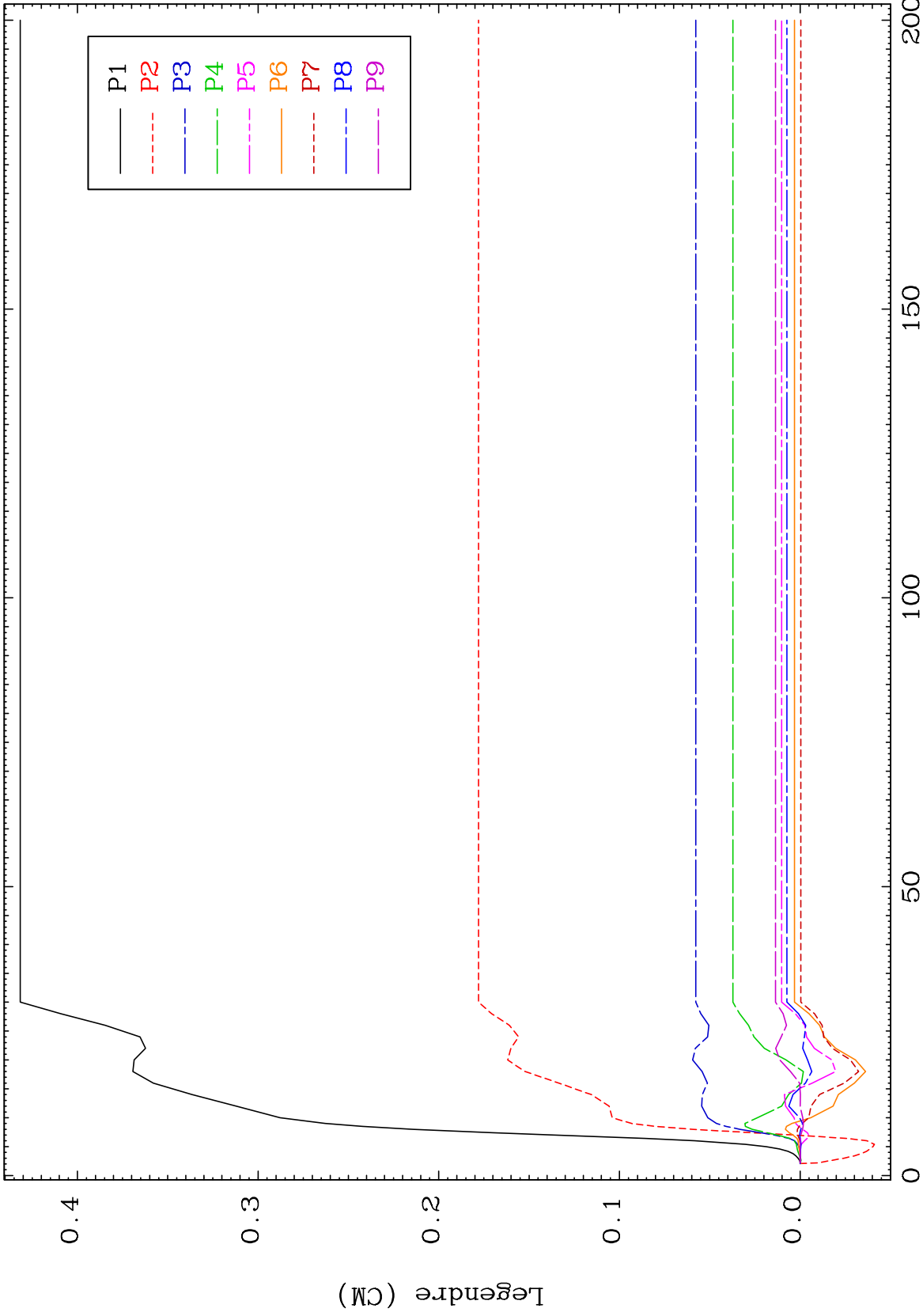


52-Te-122

MAT 5231

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

52-Te-122



56

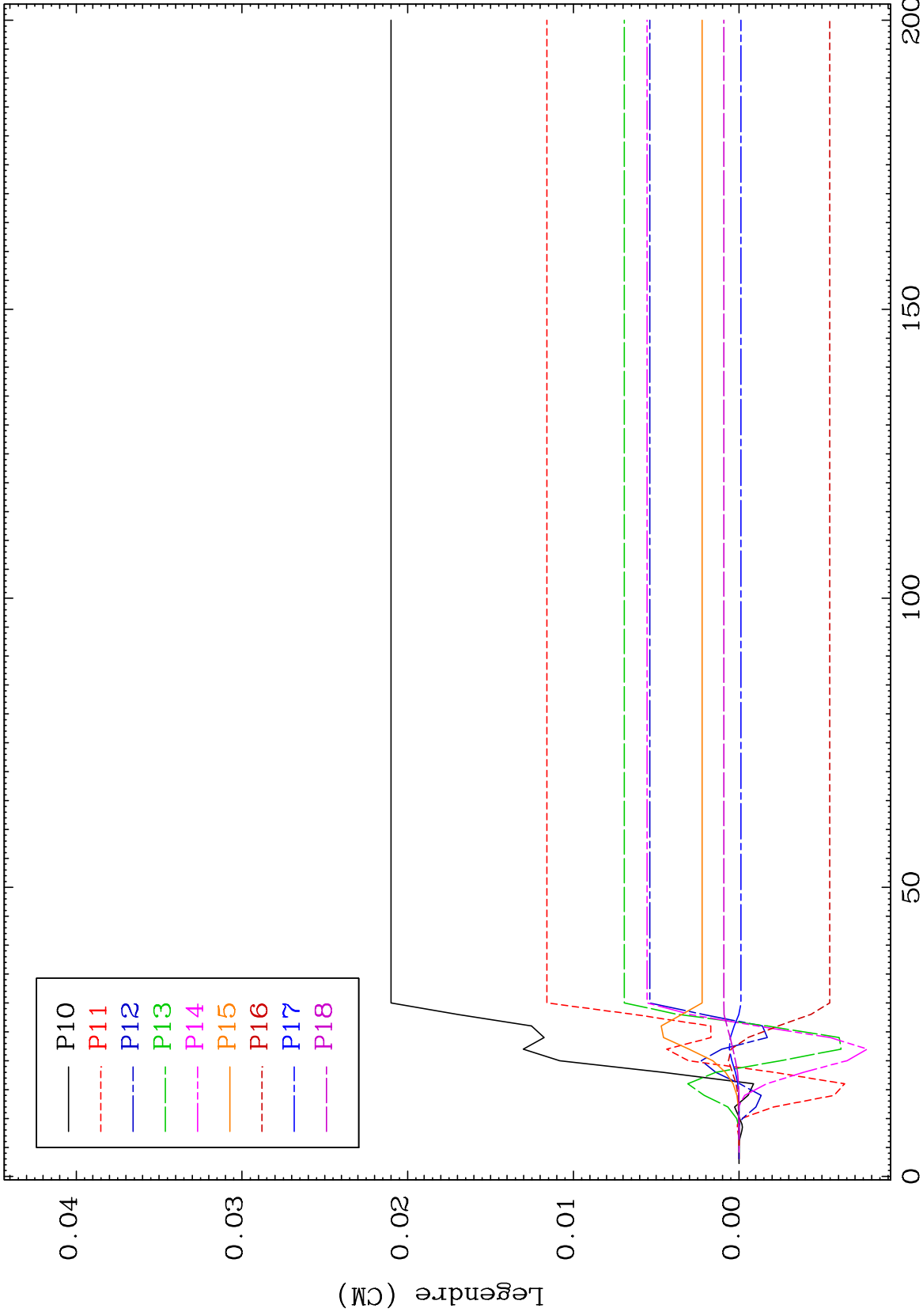
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



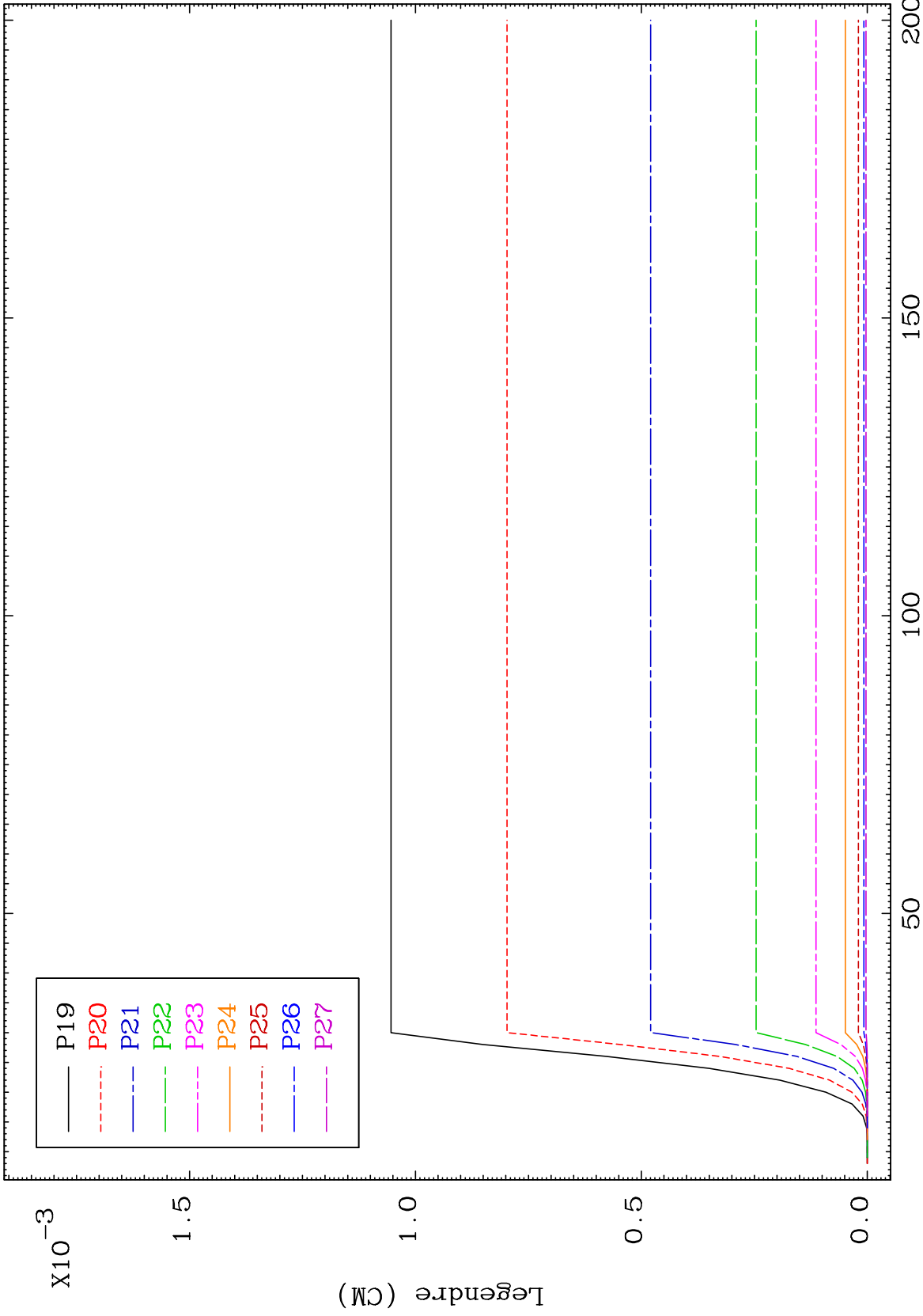
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52-Te-122

MAT 5231

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

52-Te-122



58

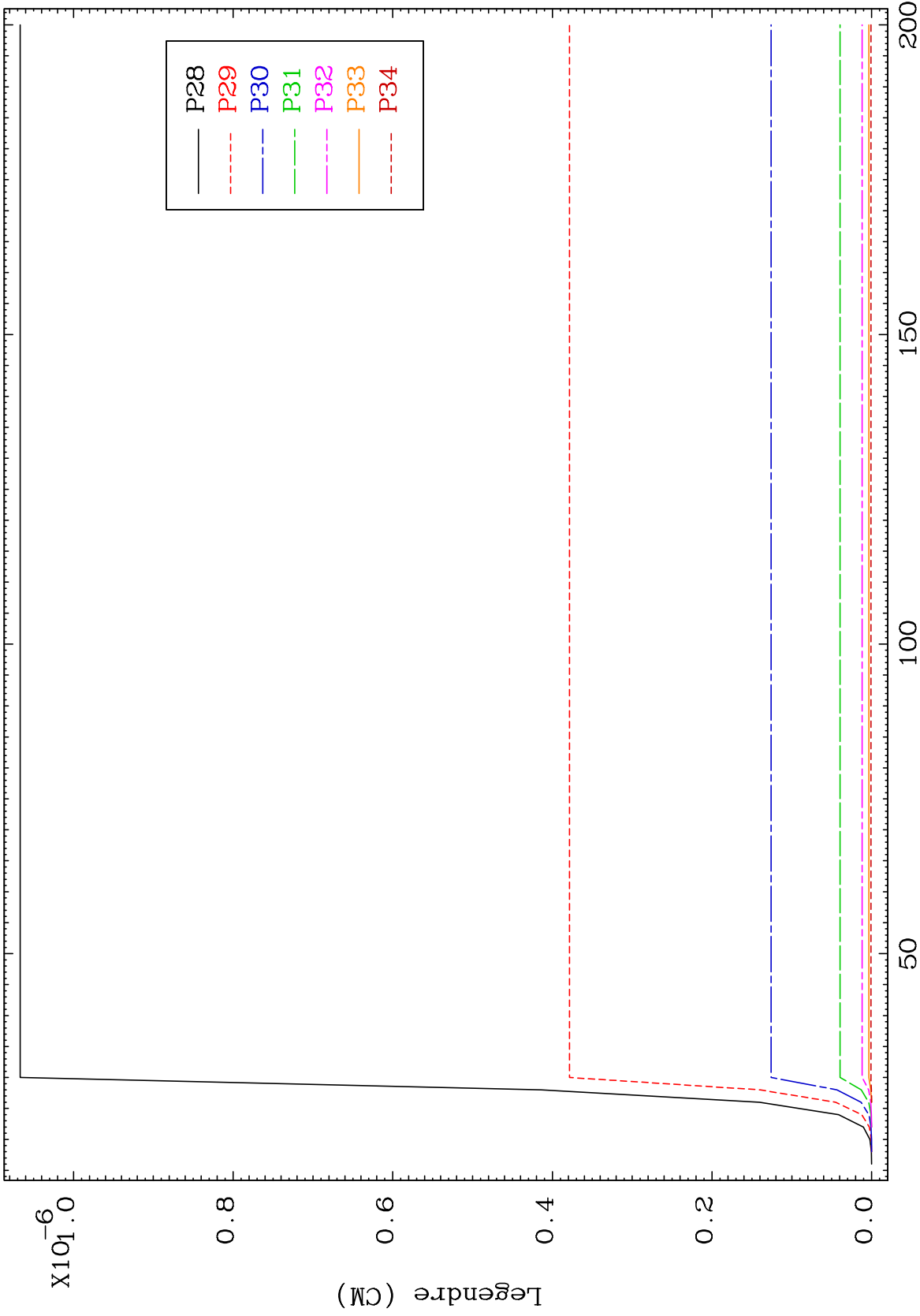
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122

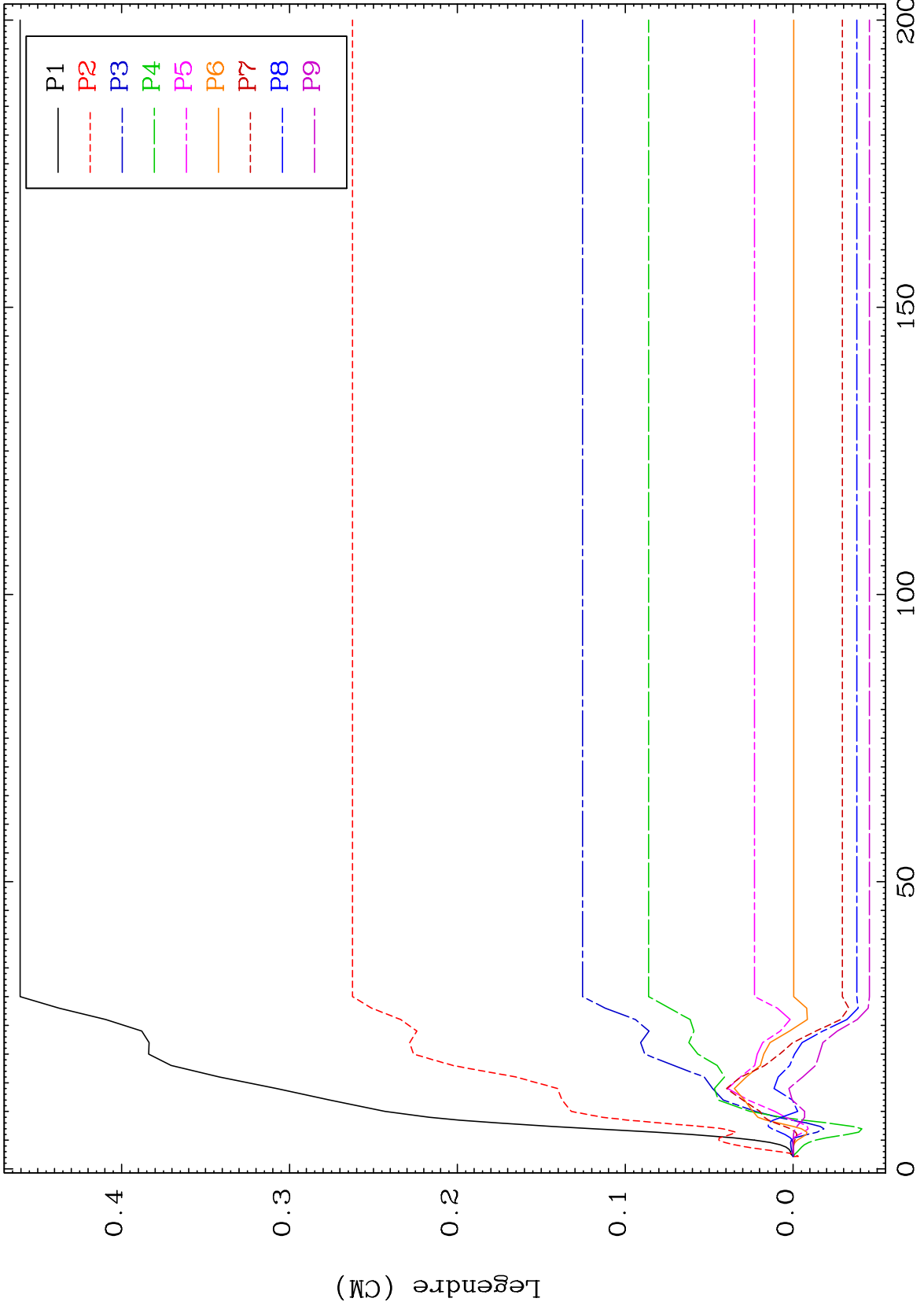


59

Incident Energy (MeV)

52-Te-122

MAT 5231 MT= 62 (n,n') Level Legendre Coefficients 52-Te-122

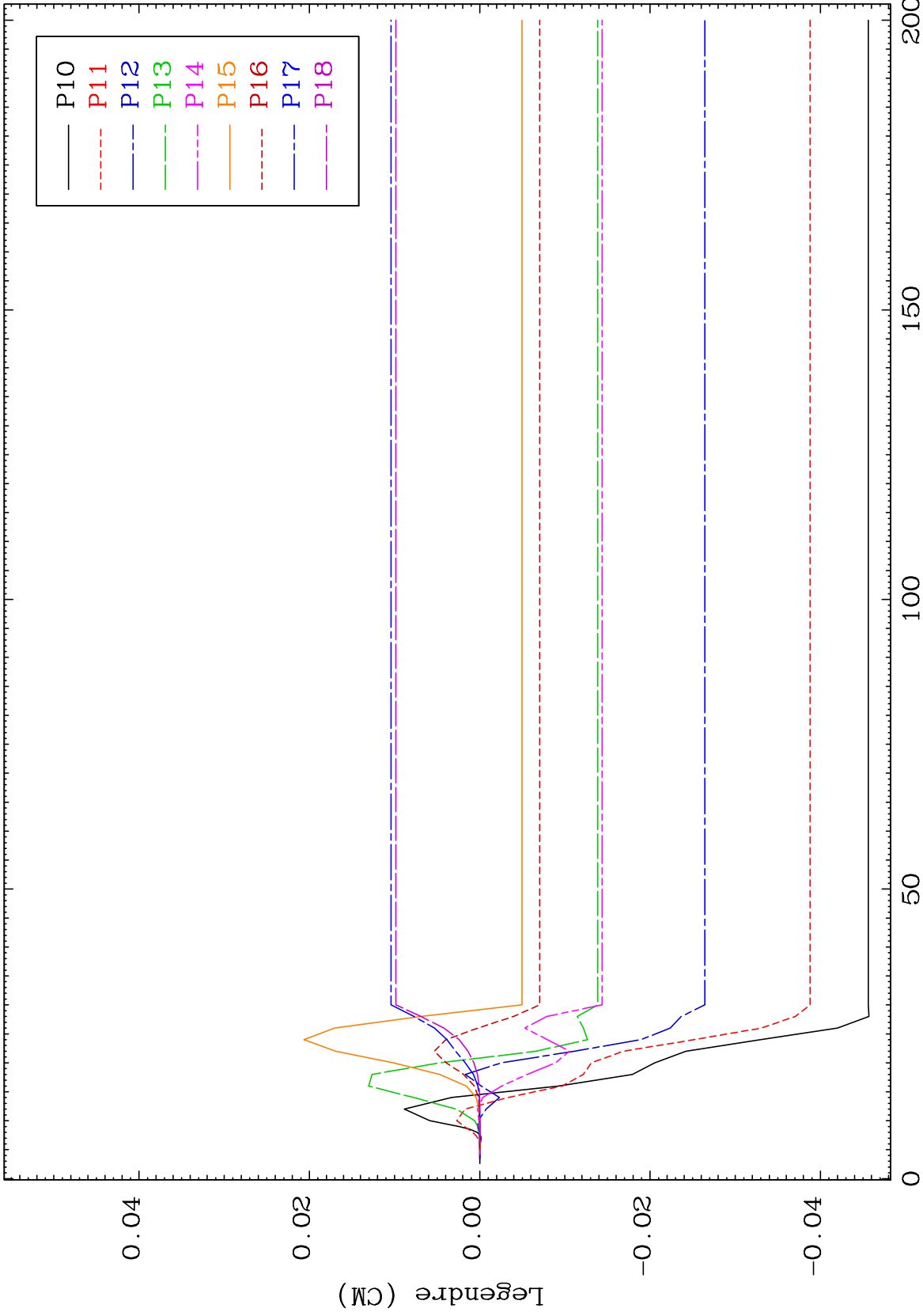


52-Te-122

MAT 5231

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

52-Te-122



61

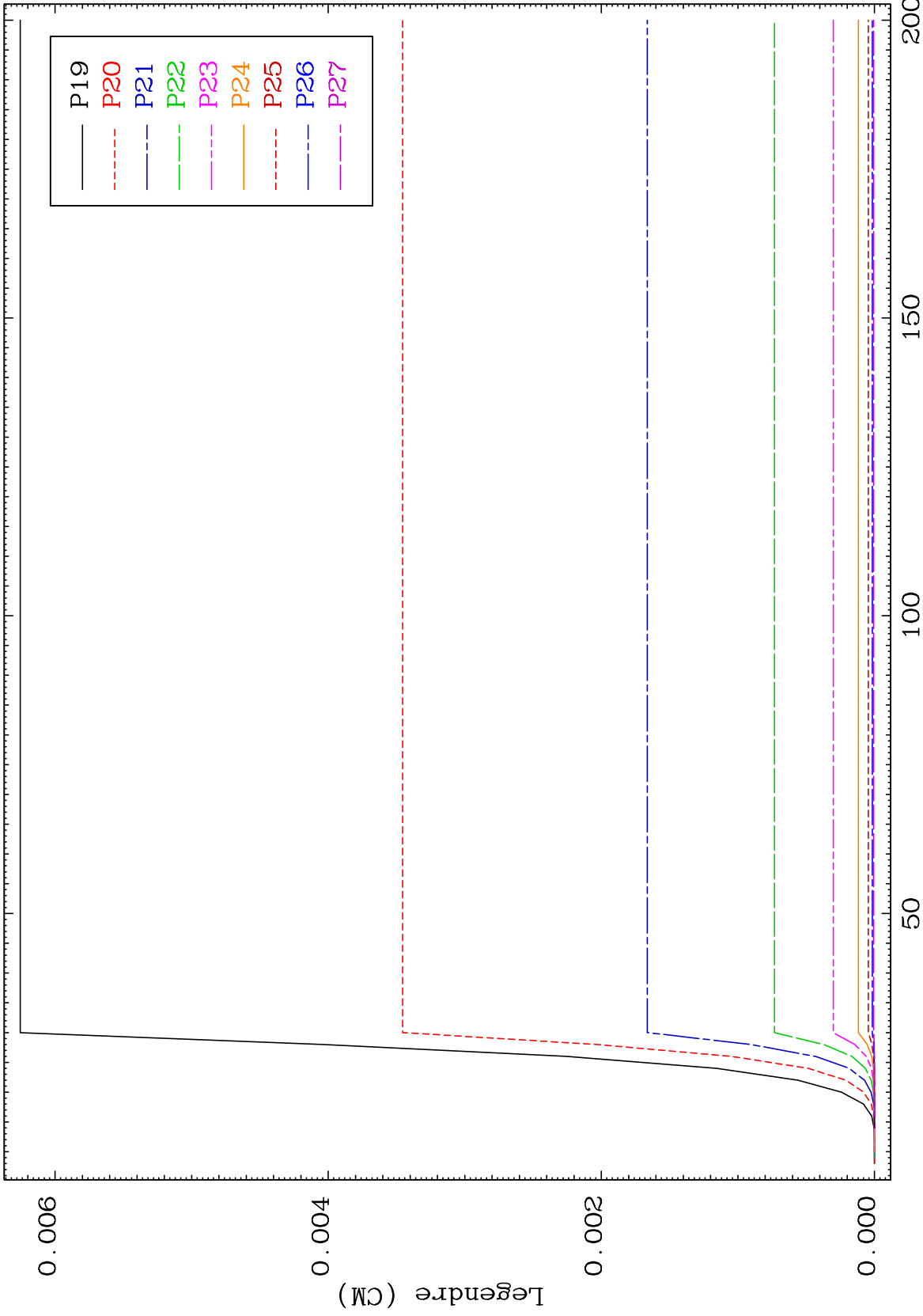
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



62

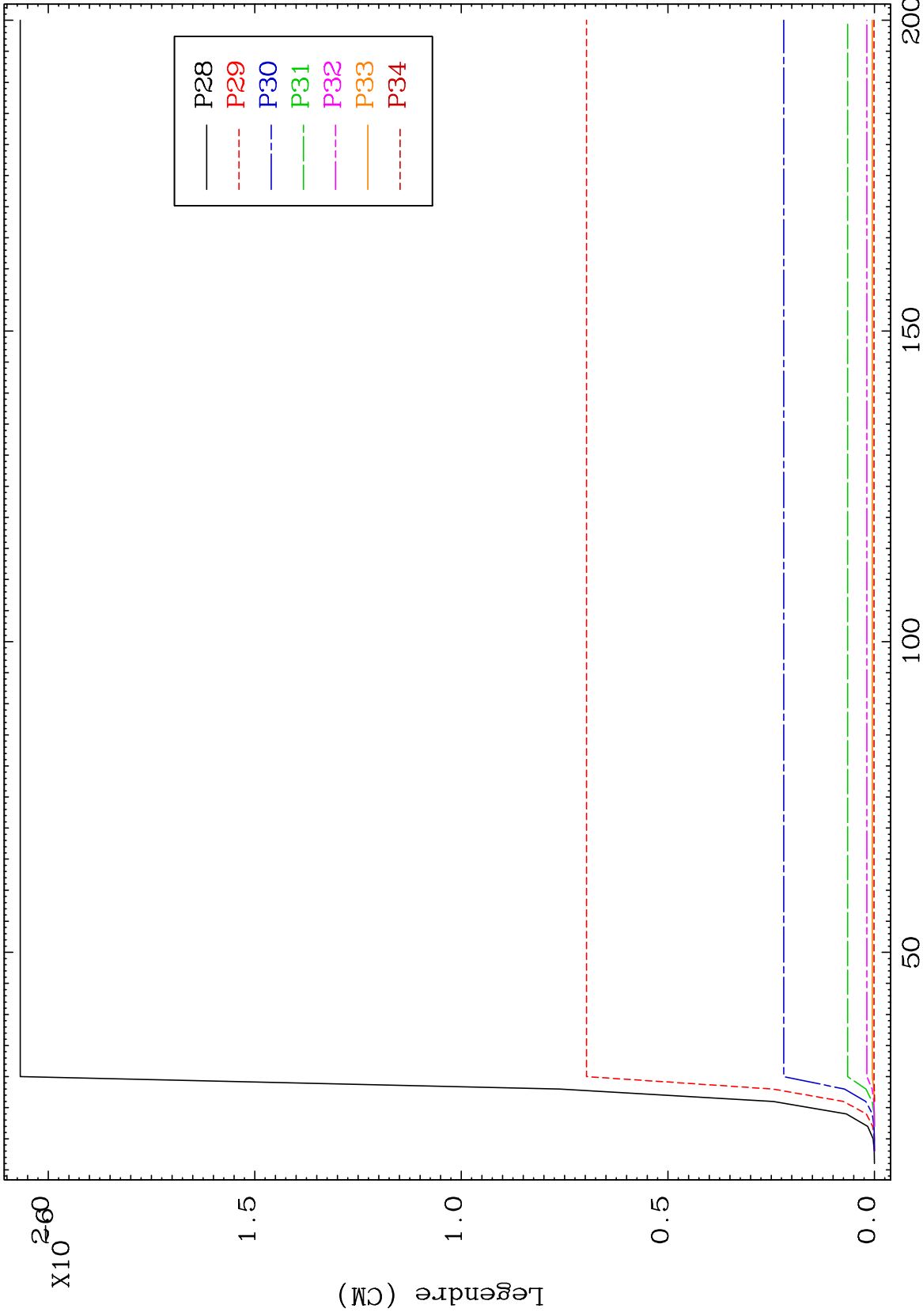
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



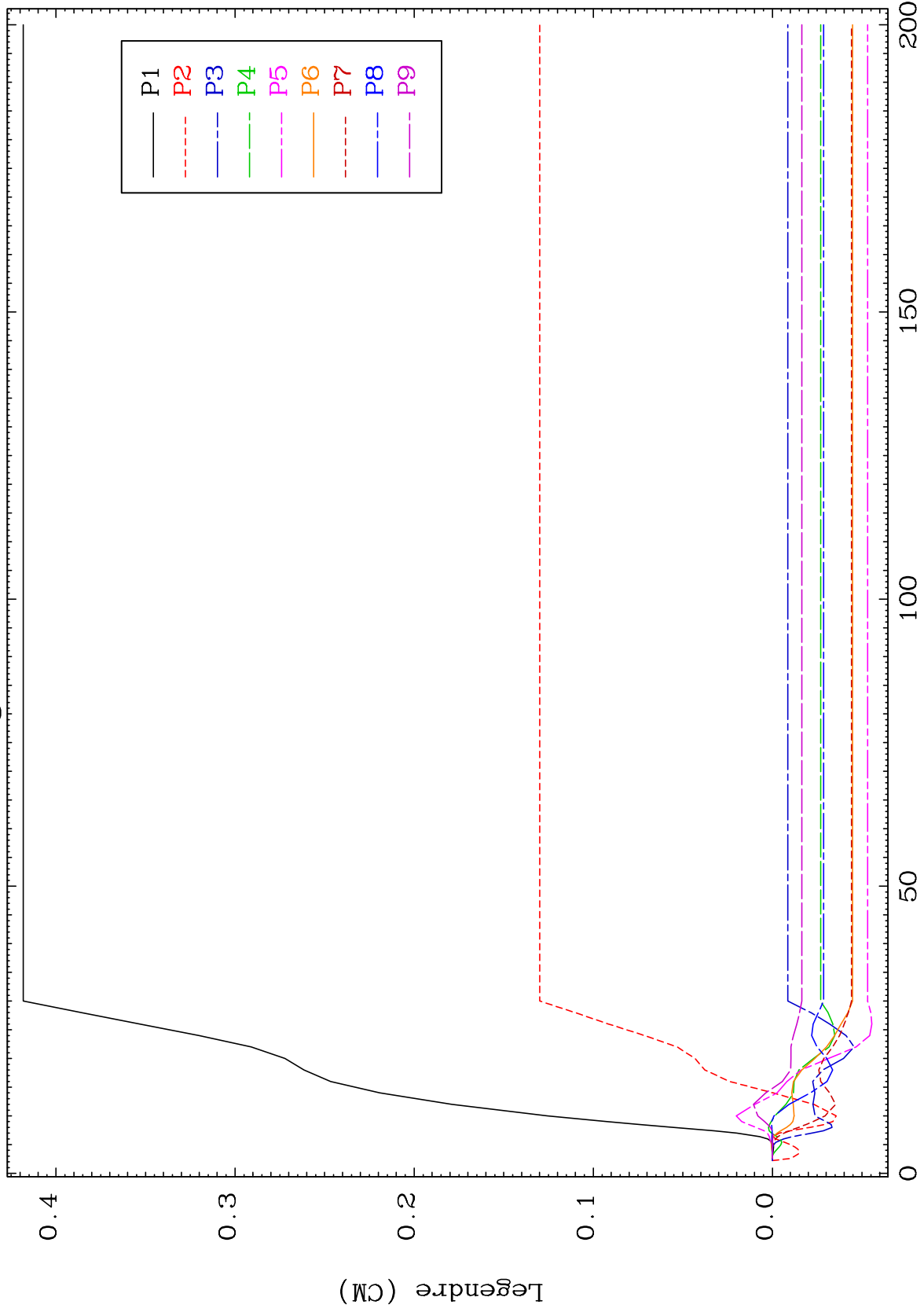
63

52-Te-122

MAT 5231

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

52-Te-122



64

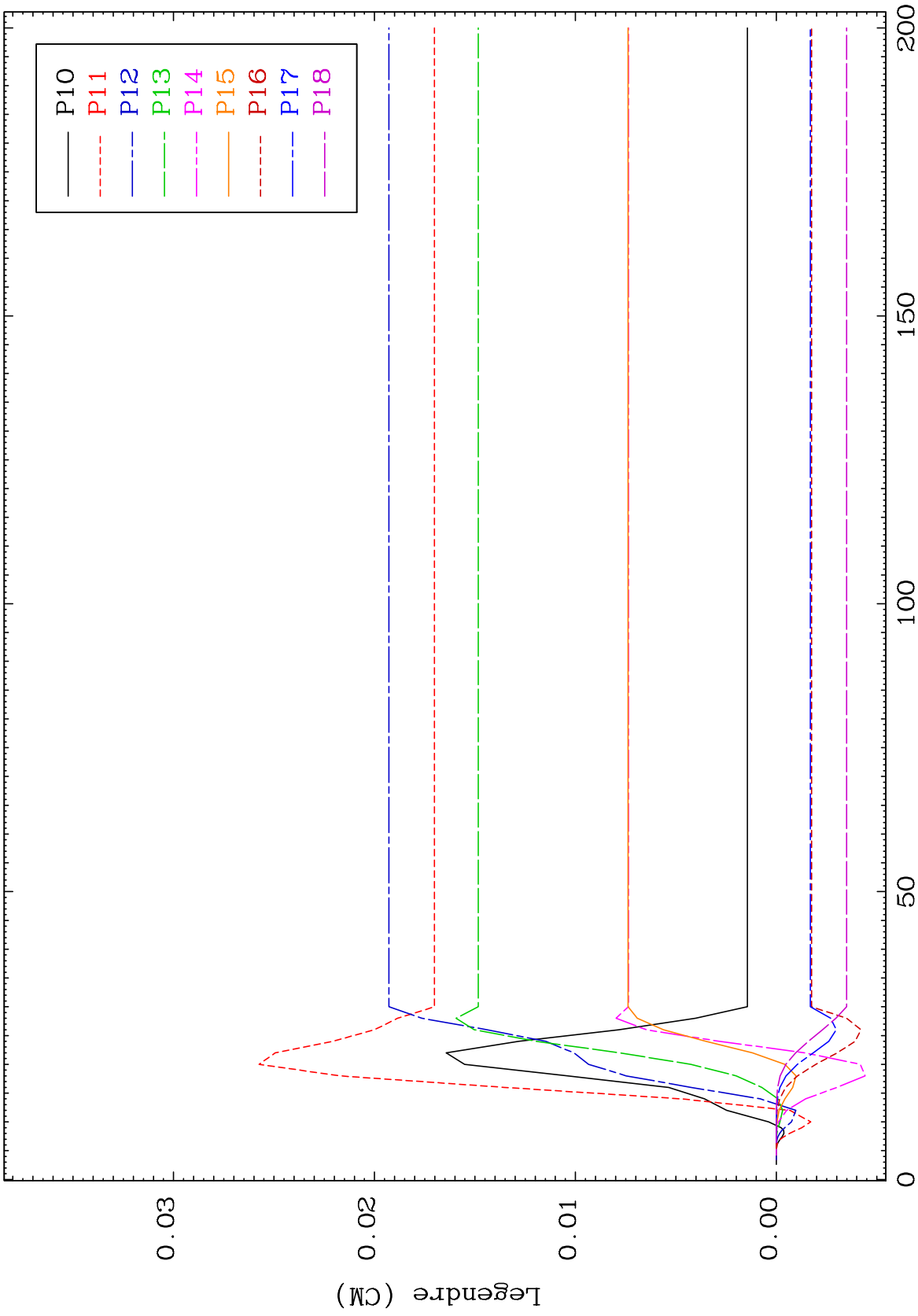
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



65

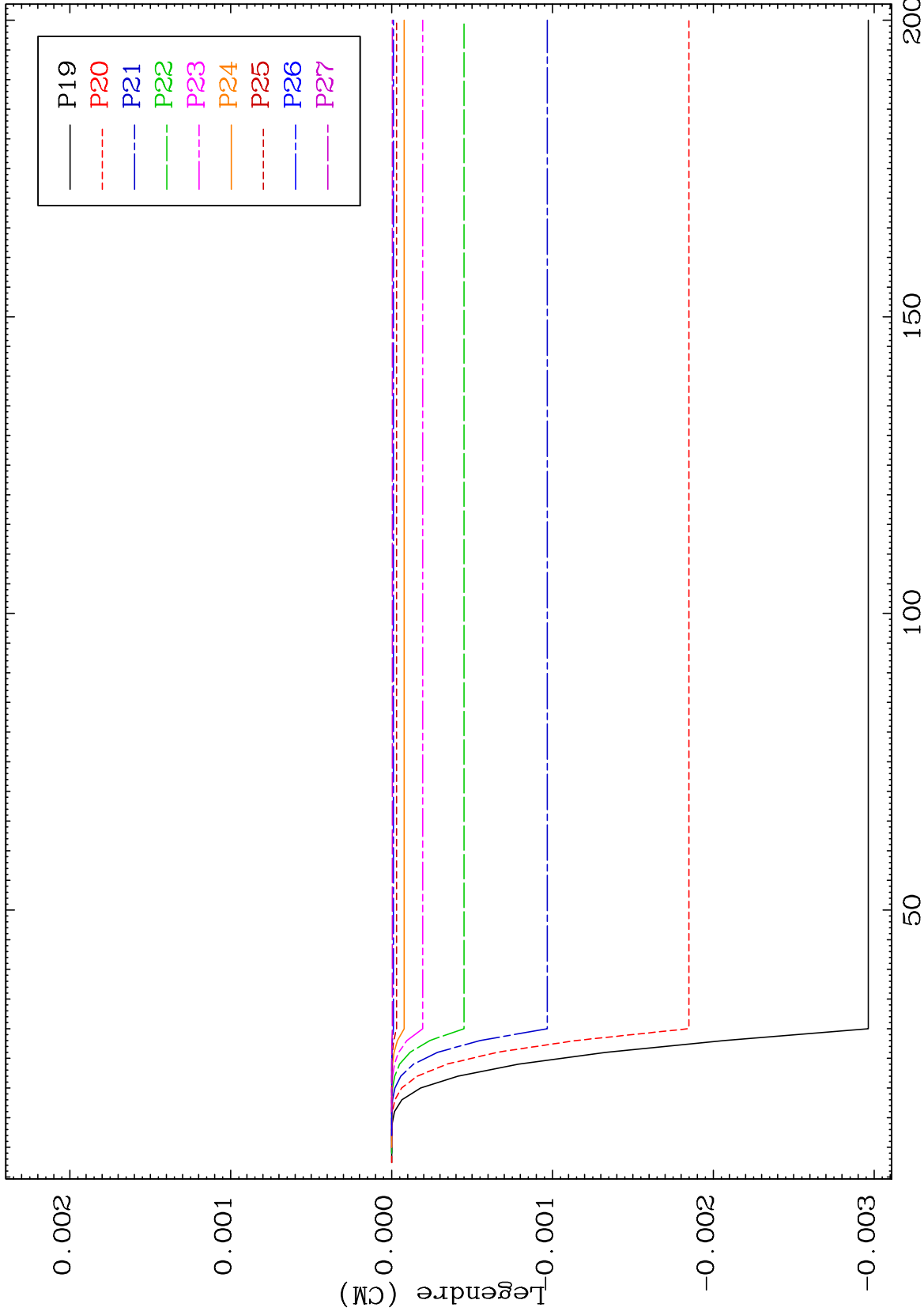
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122

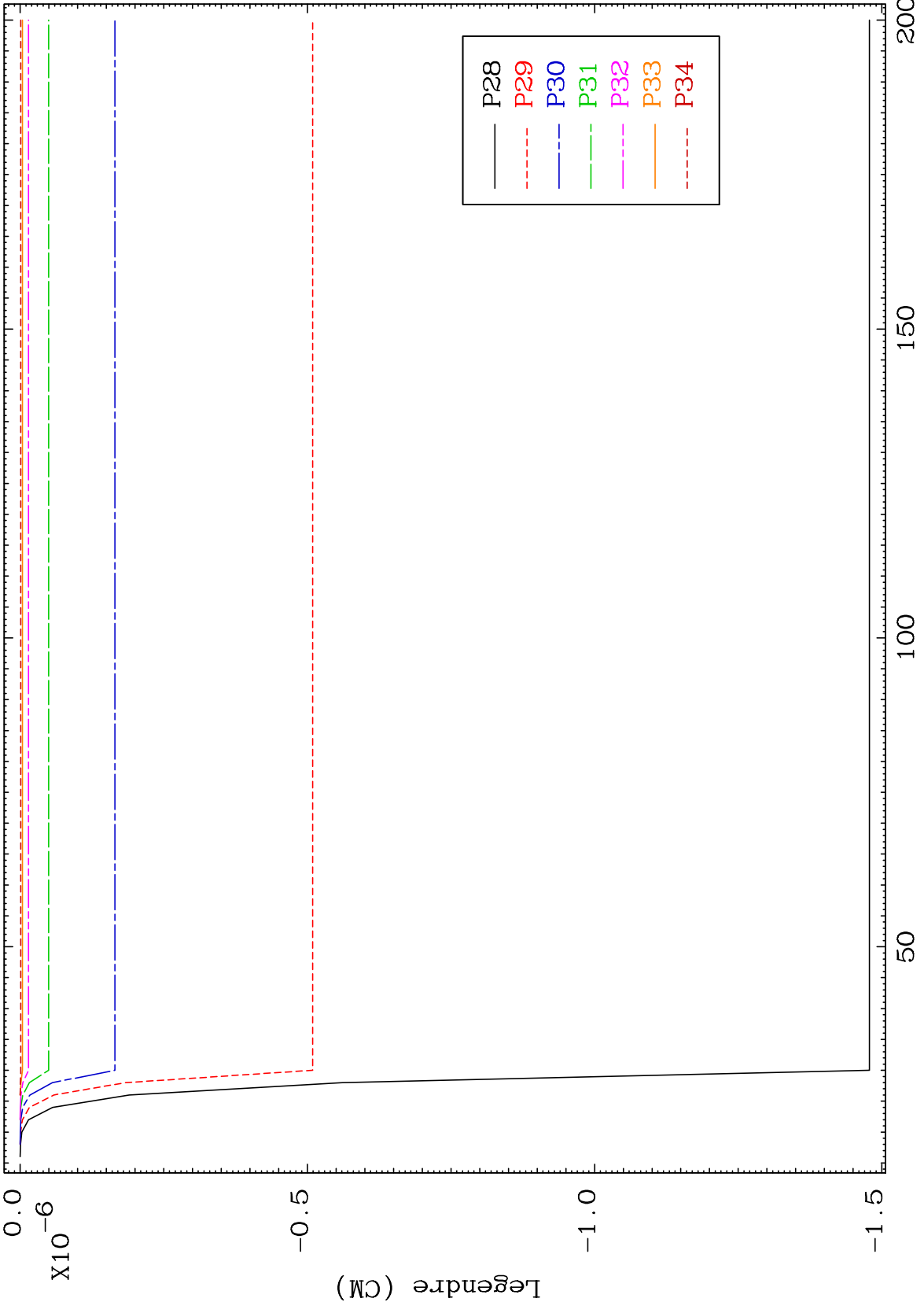


66

Incident Energy (MeV)

52-Te-122

MAT 5231 MT= 63 (n,n') Level Legendre Coefficients 52-Te-122

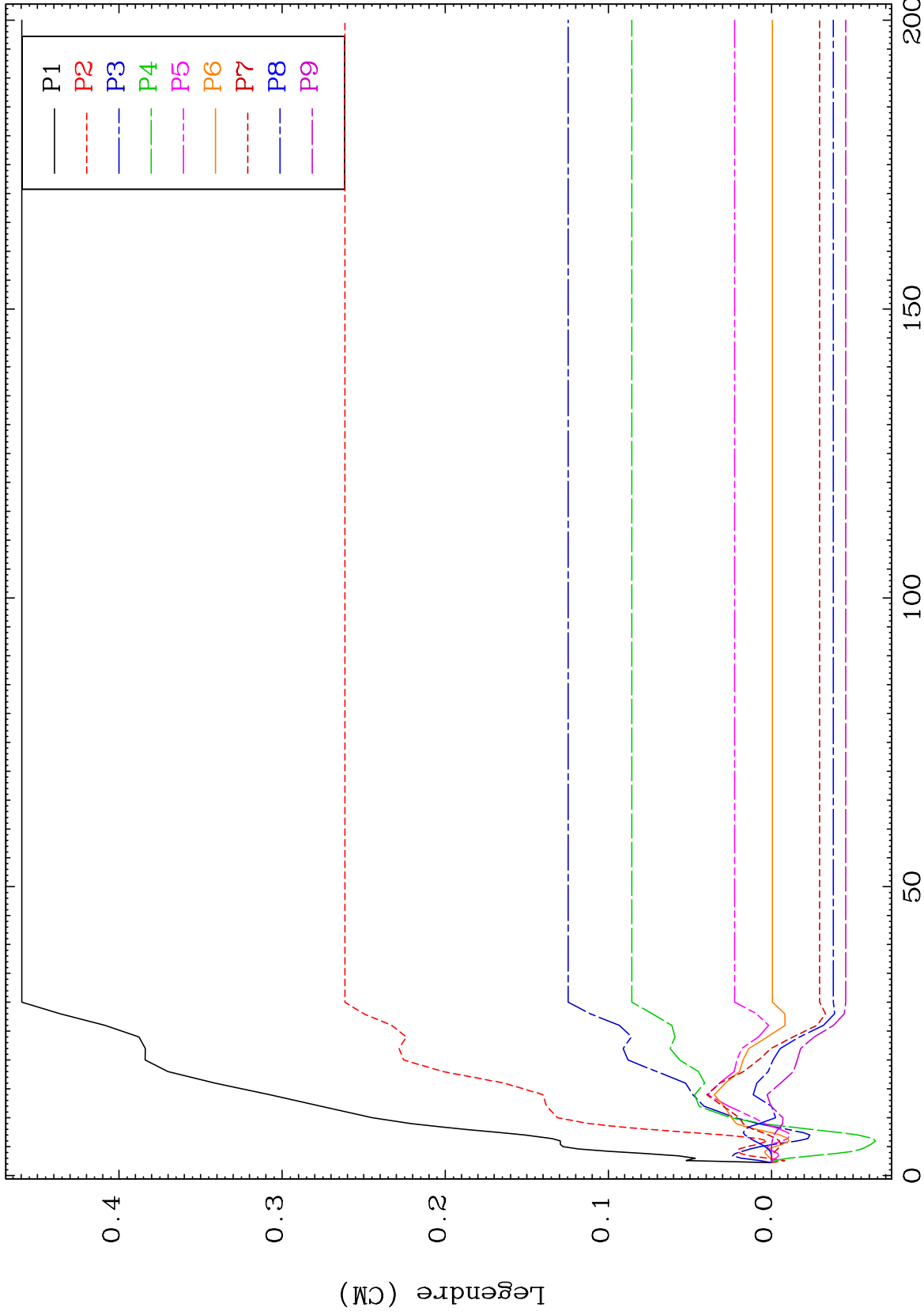


67 52-Te-122

MAT 5231

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

52-Te-122



68

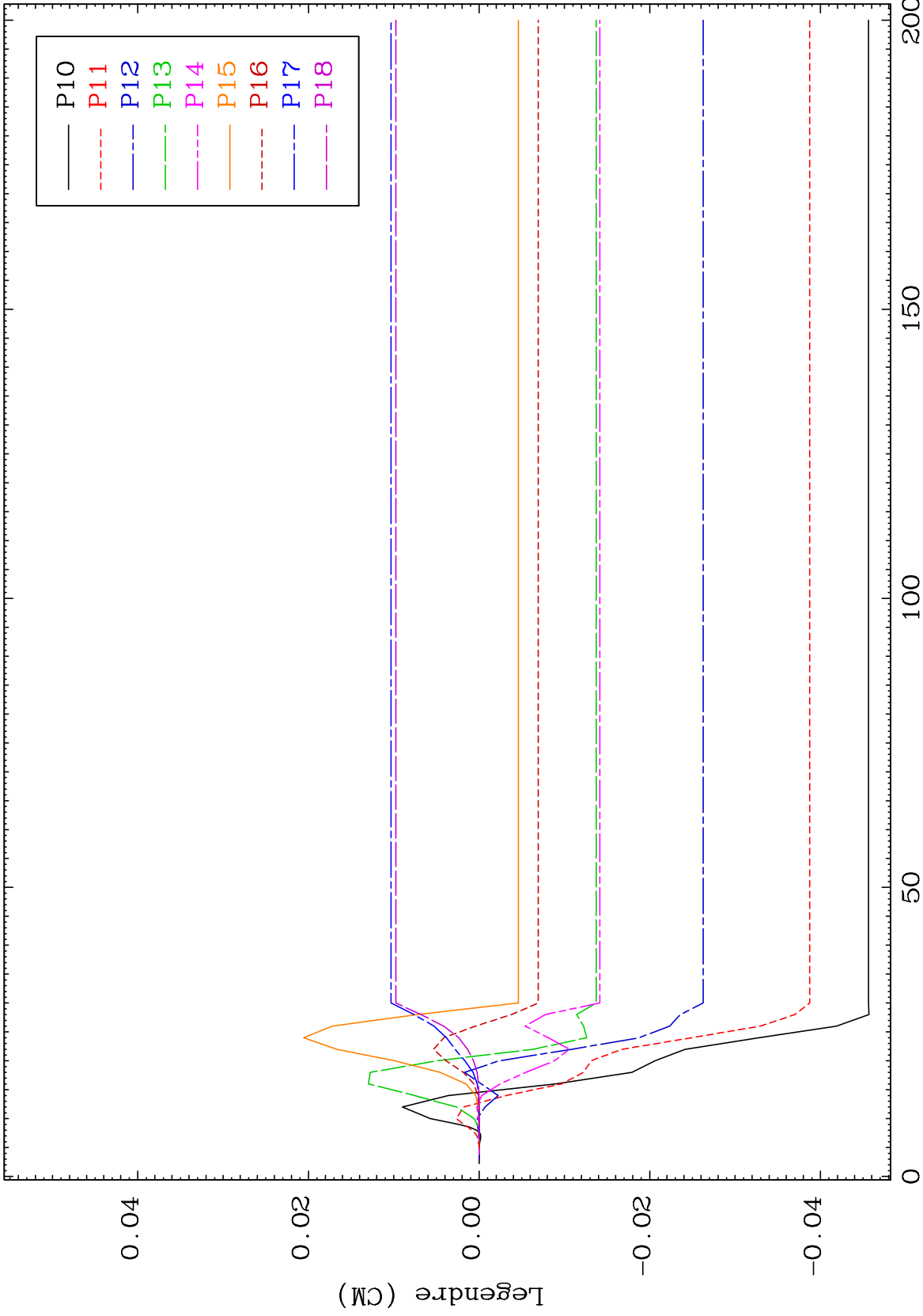
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



69

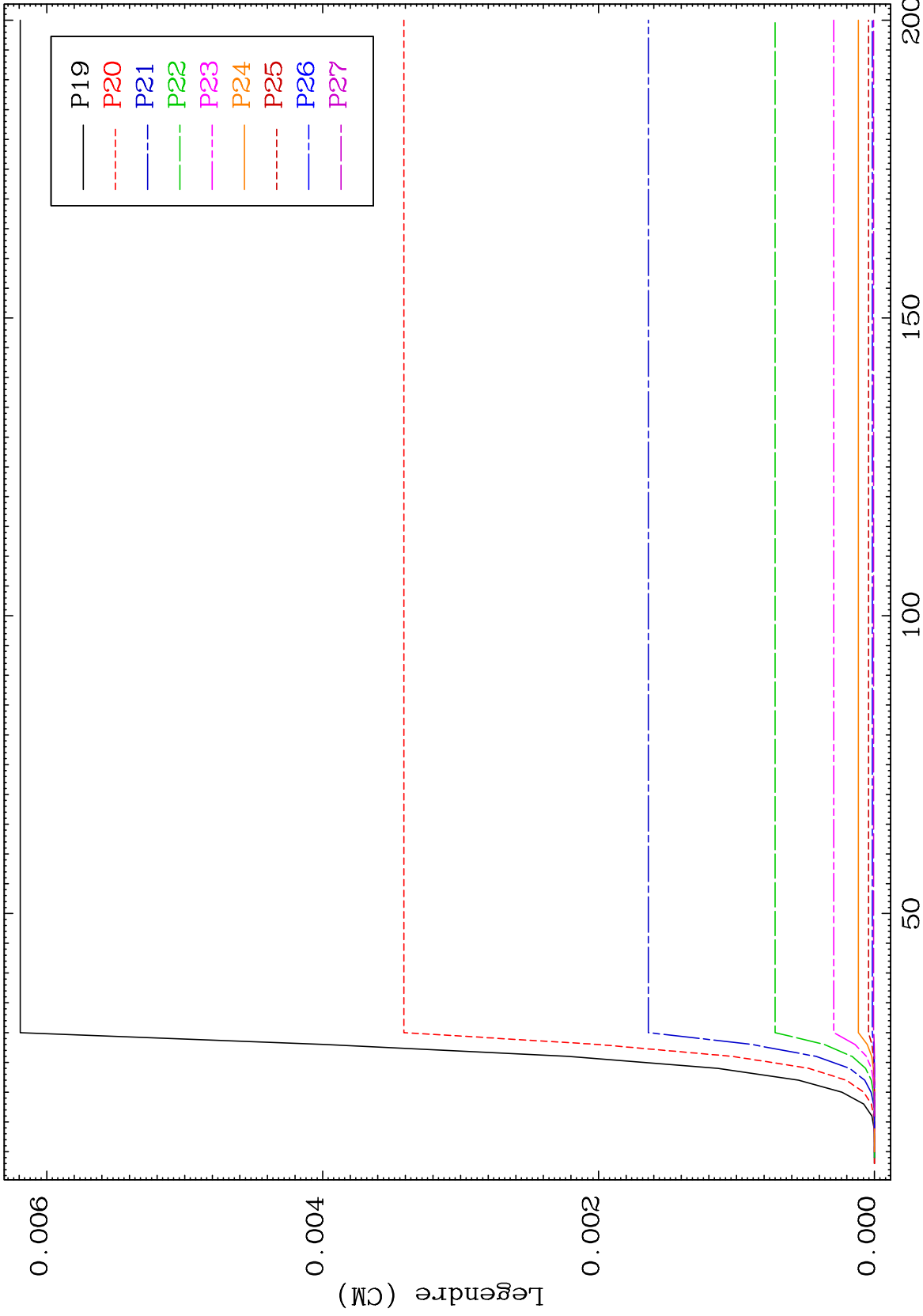
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



70

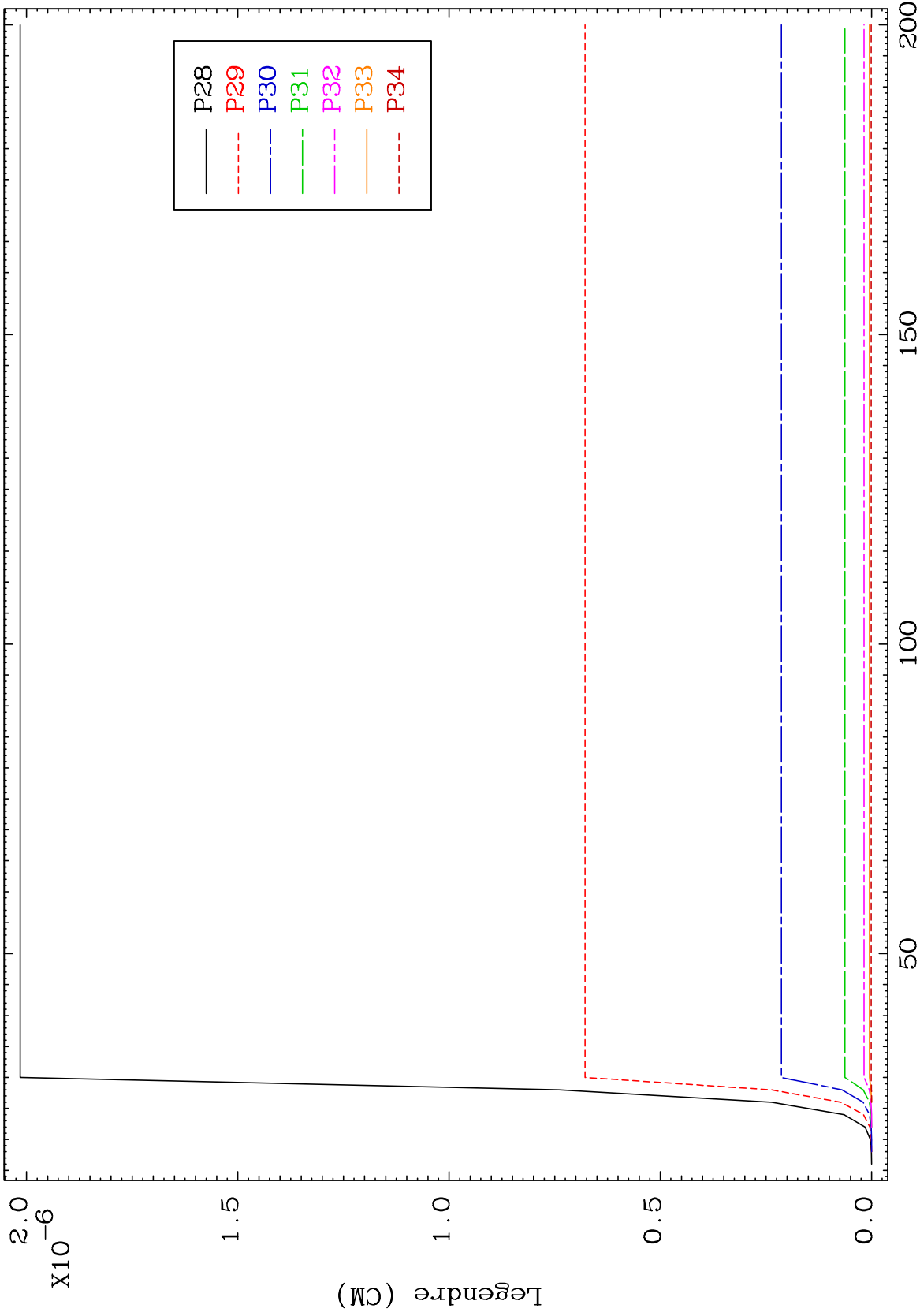
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122

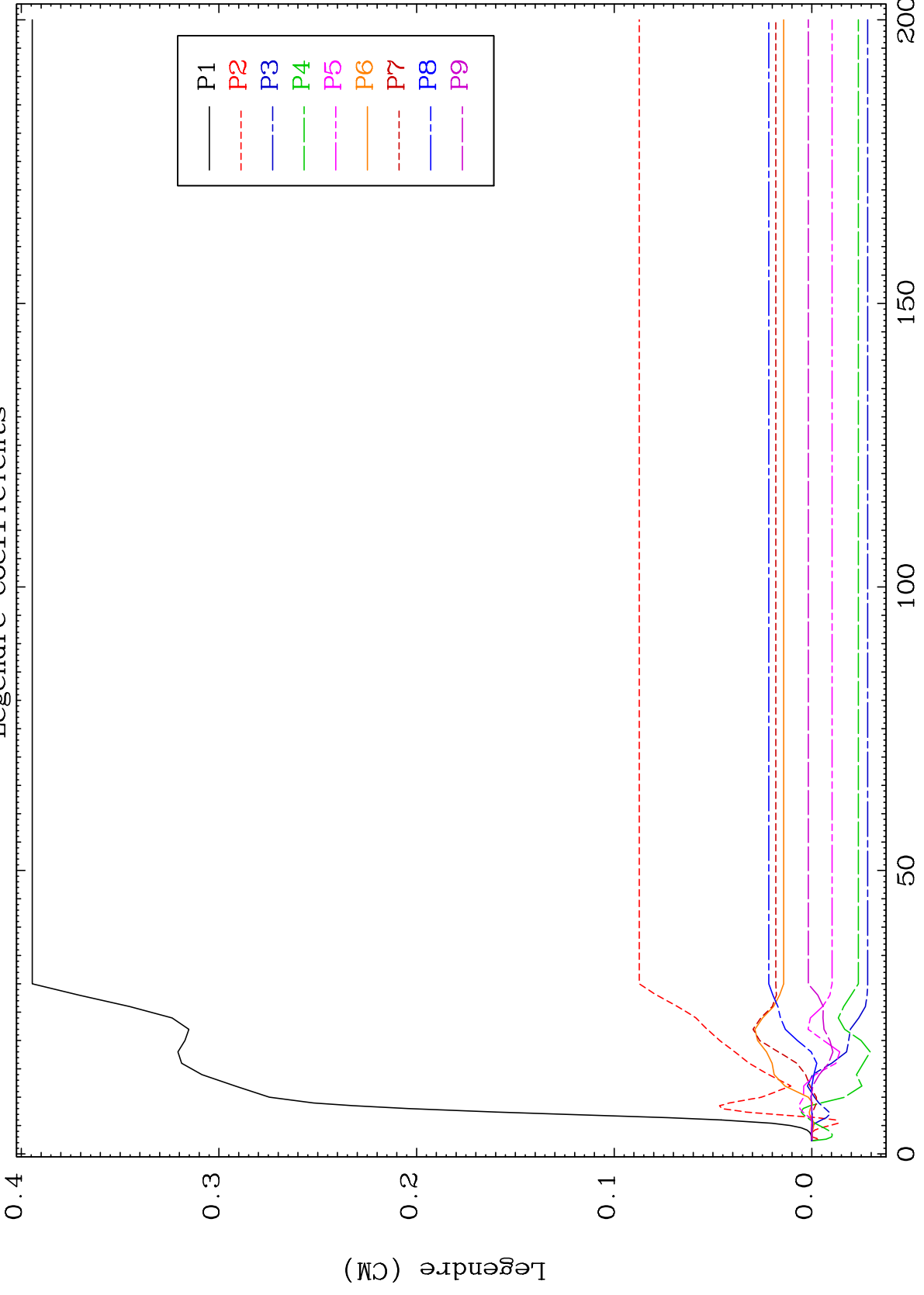


71

52-Te-122

MAT 5231 MT= 65 (n,n') Level Legendre Coefficients

52-Te-122



72

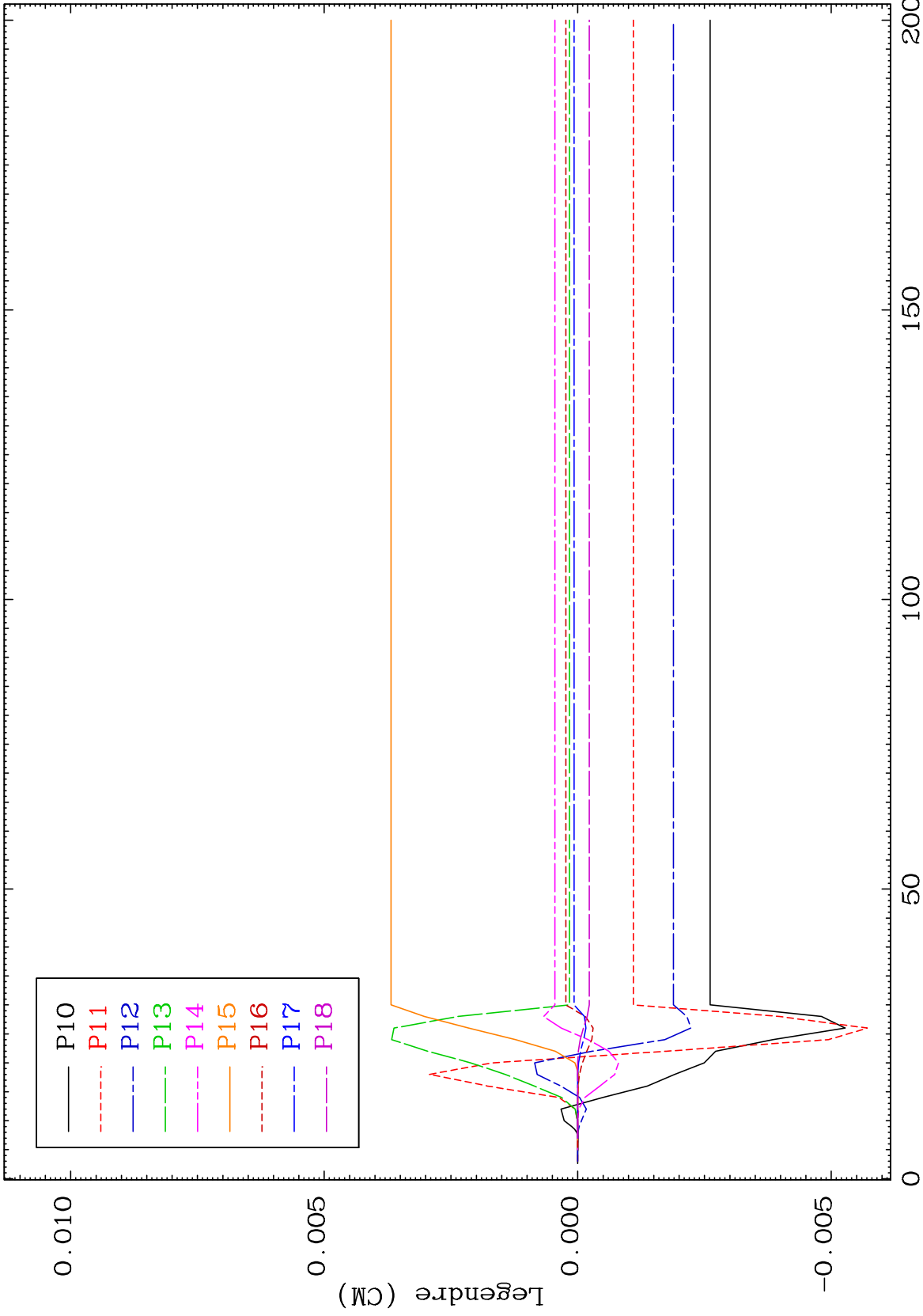
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



73

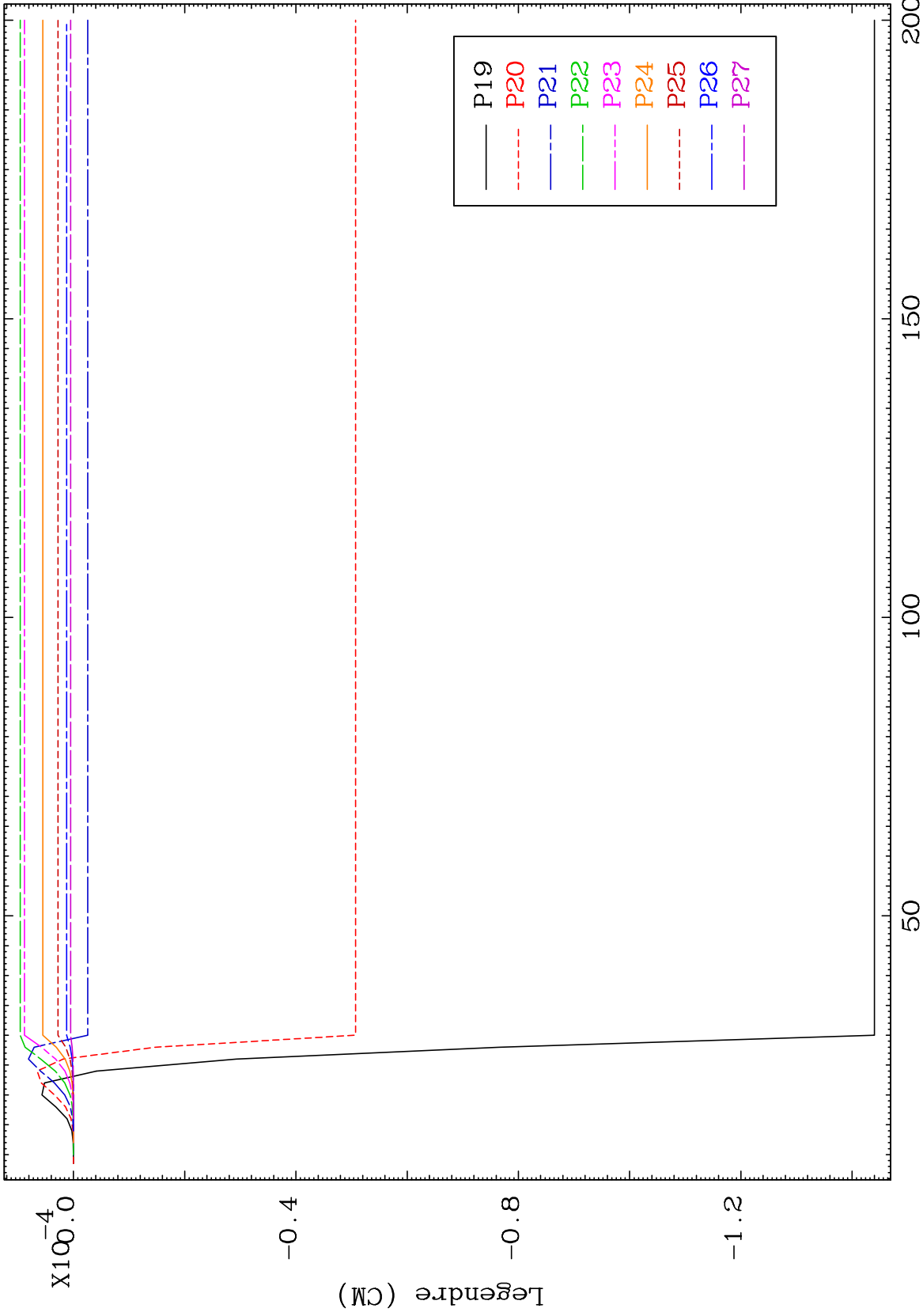
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



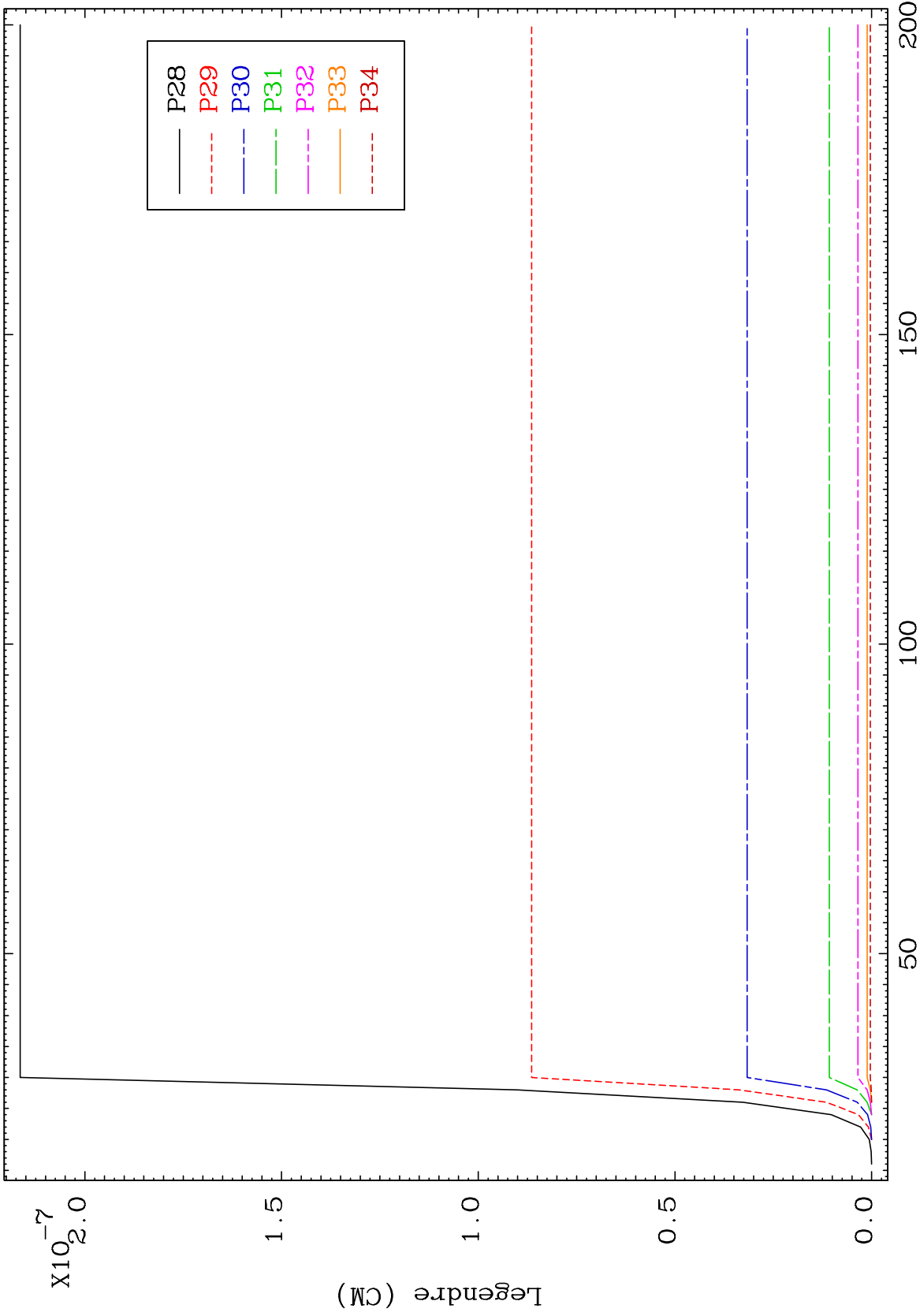
74

52-Te-122

MAT 5231

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

52-Te-122



75

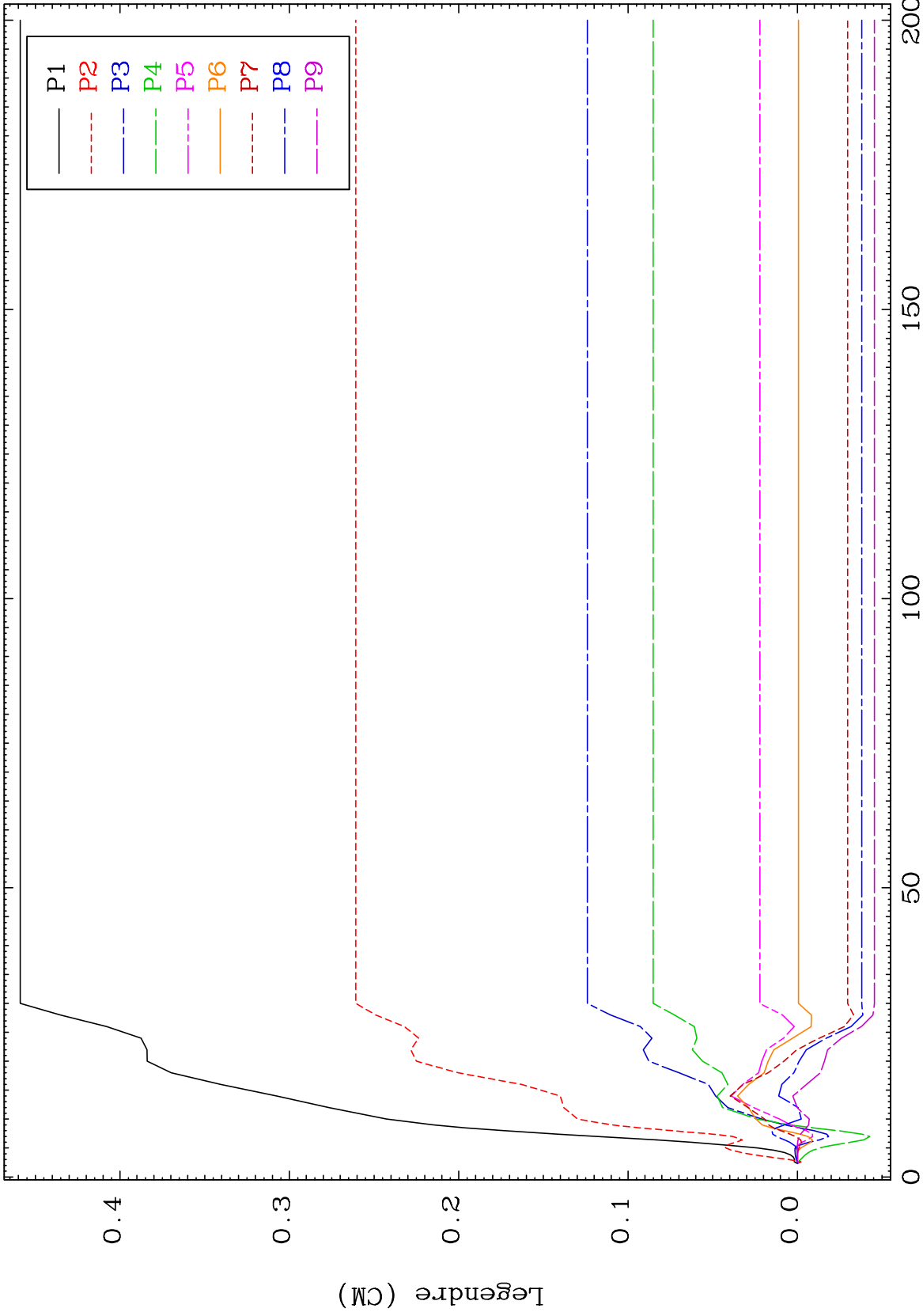
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



76

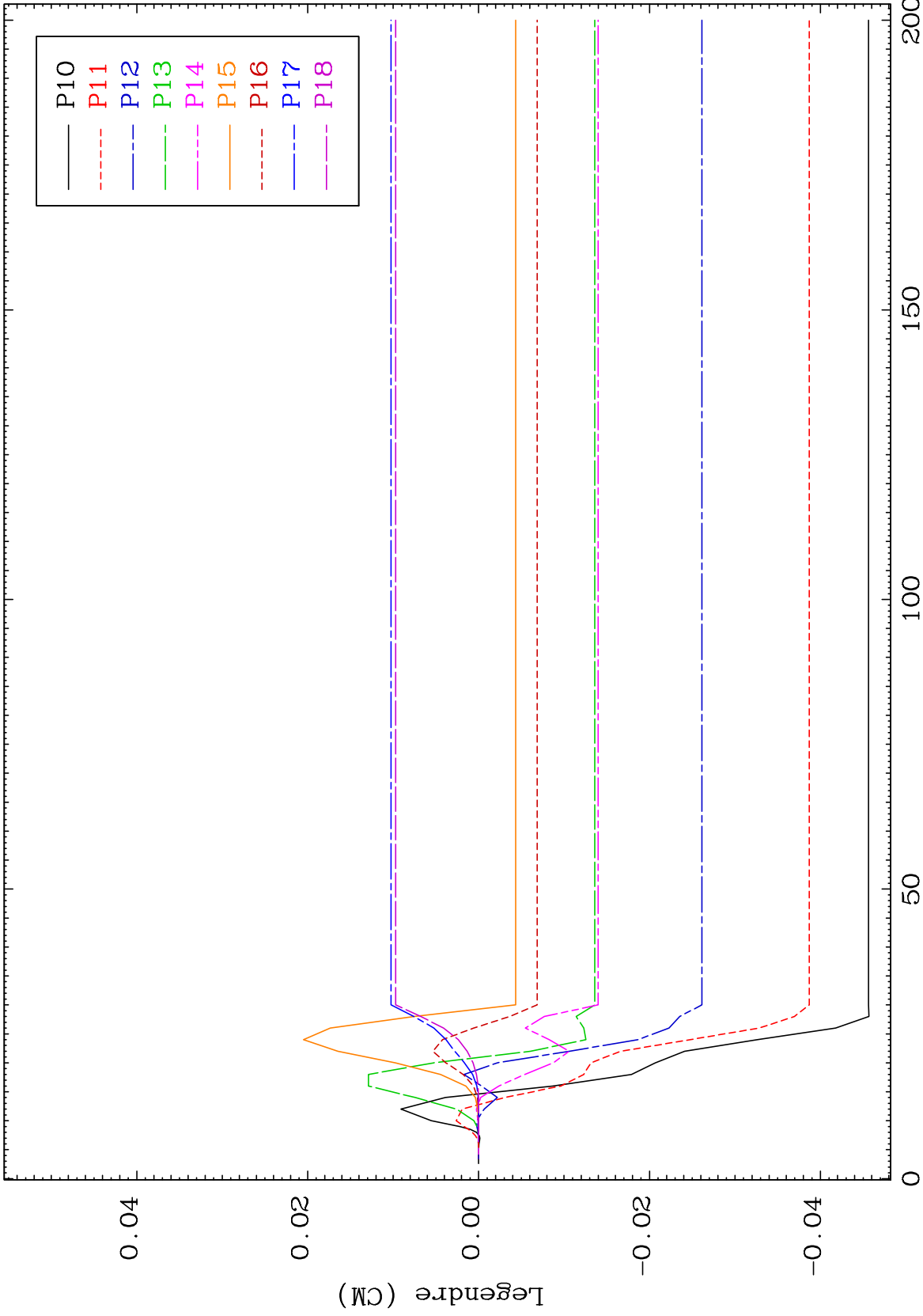
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122



77

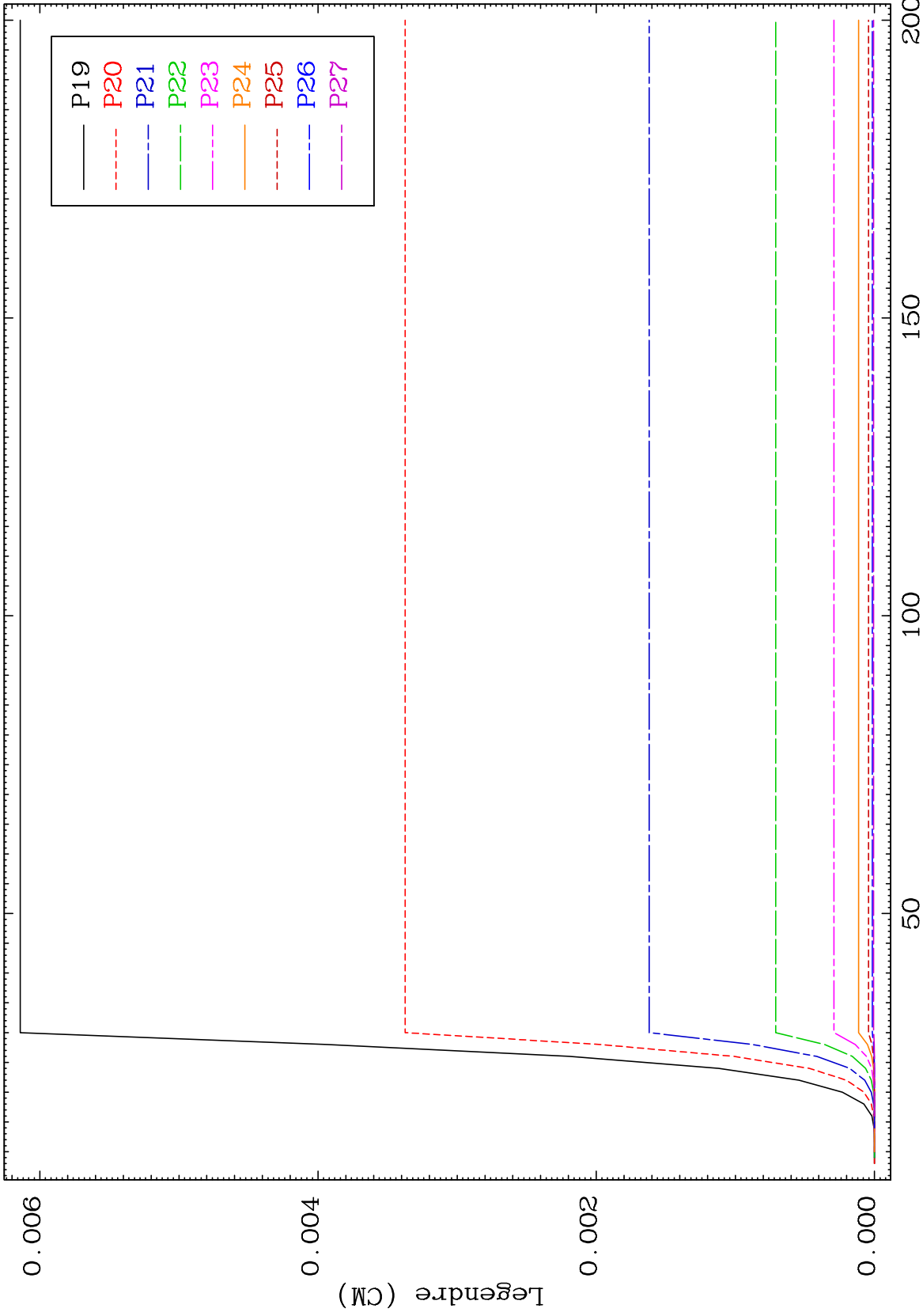
Incident Energy (MeV)

52-Te-122

MAT 5231

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

52-Te-122

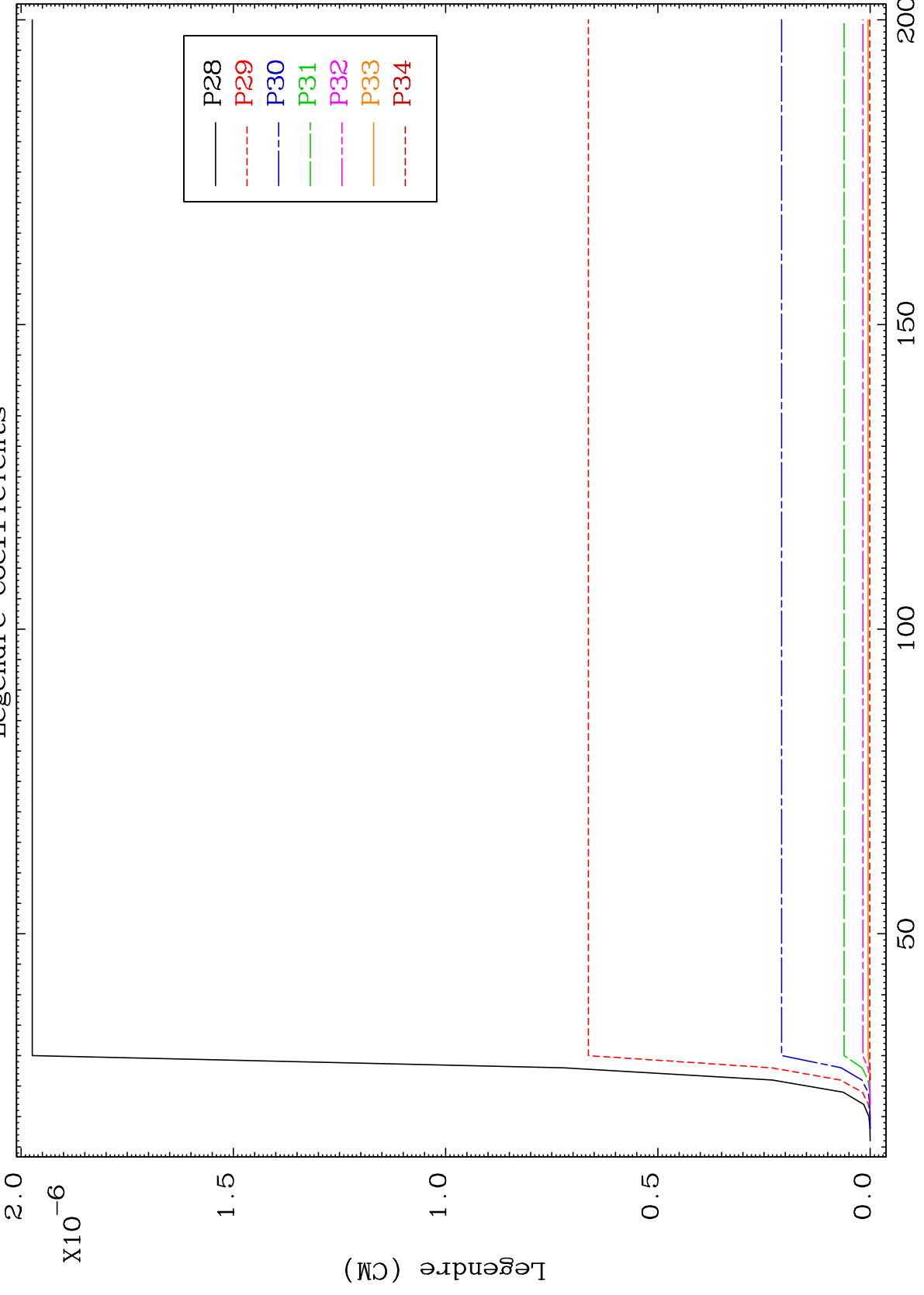


78

Incident Energy (MeV)

52-Te-122

MAT 5231 MT= 66 (n,n') Level Legendre Coefficients 52-Te-122

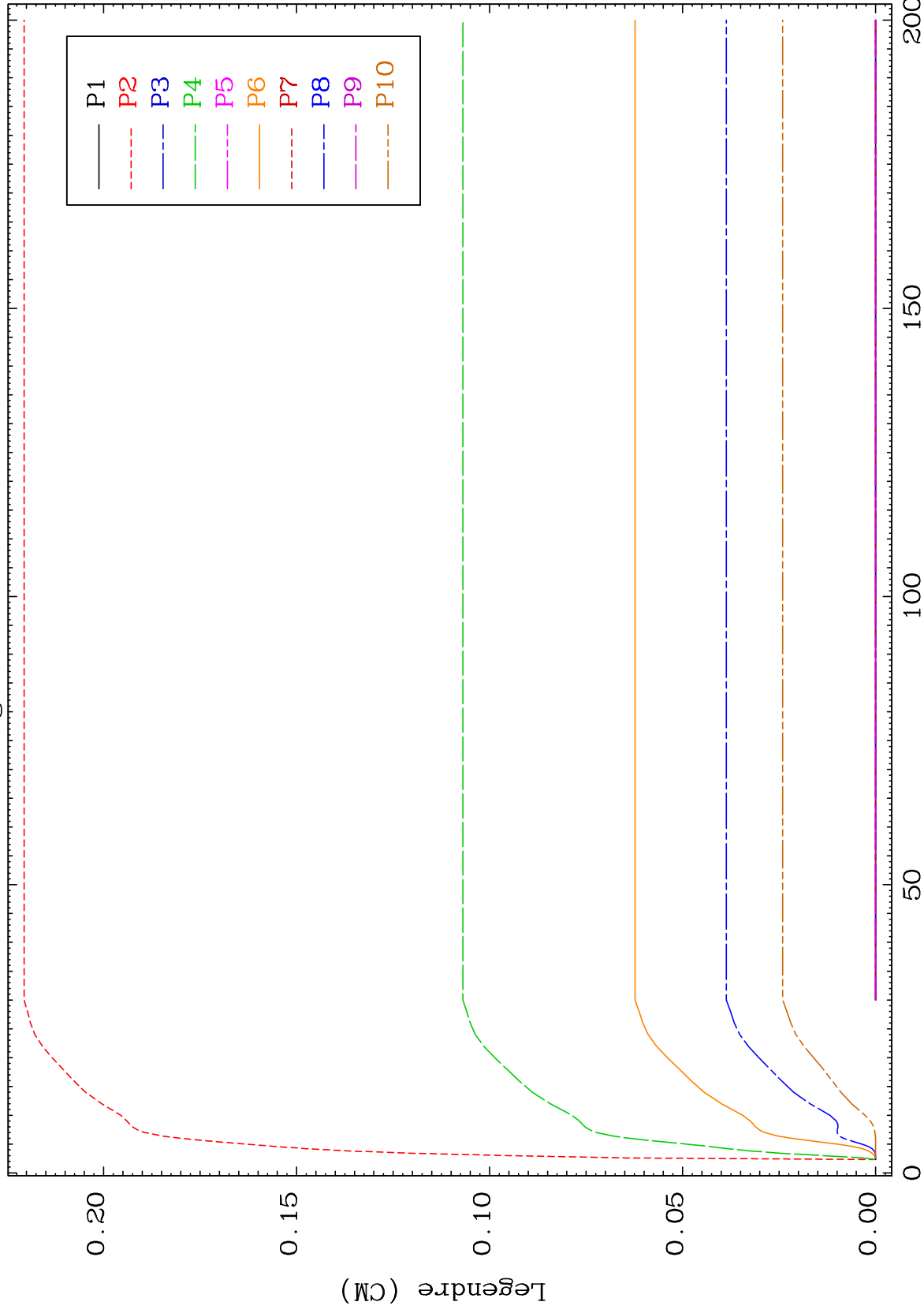


79 52-Te-122

MAT 5231

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

52-Te-122



80

50

100

150

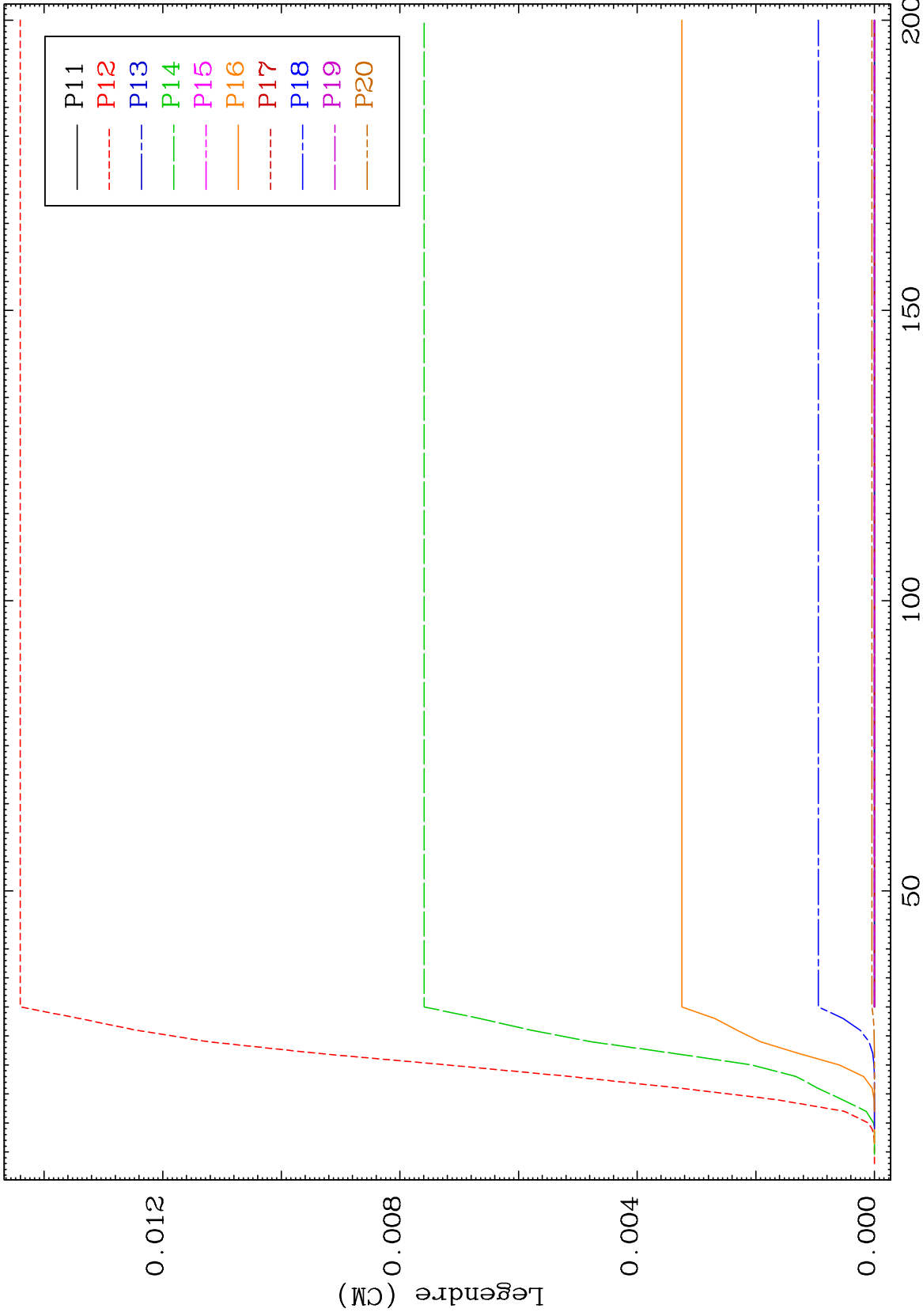
200

52-Te-122

MAT 5231

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

52-Te-122

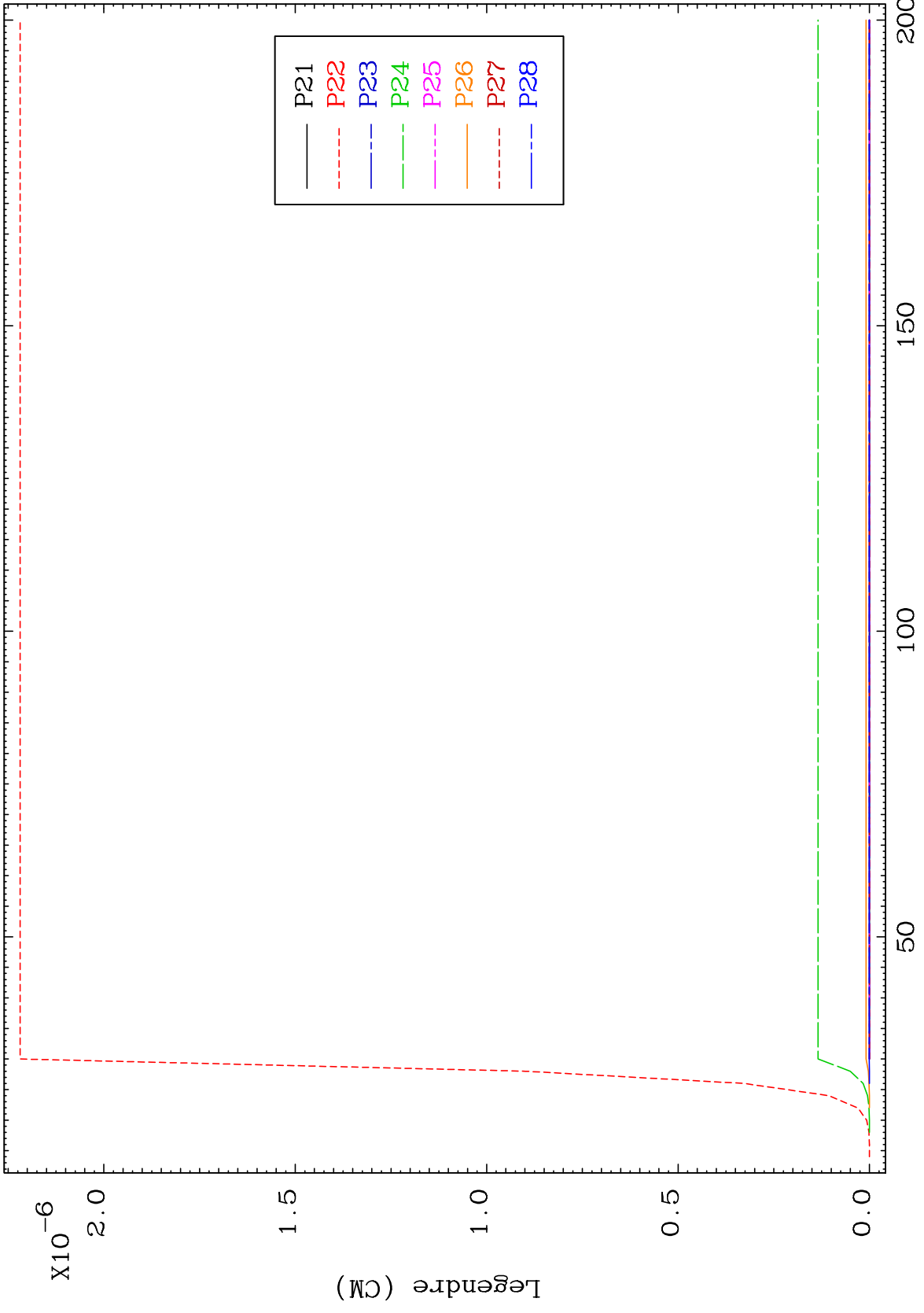


81

Incident Energy (MeV)

52-Te-122

MAT 5231 MT= 67 (n,n') Level Legendre Coefficients 52-Te-122

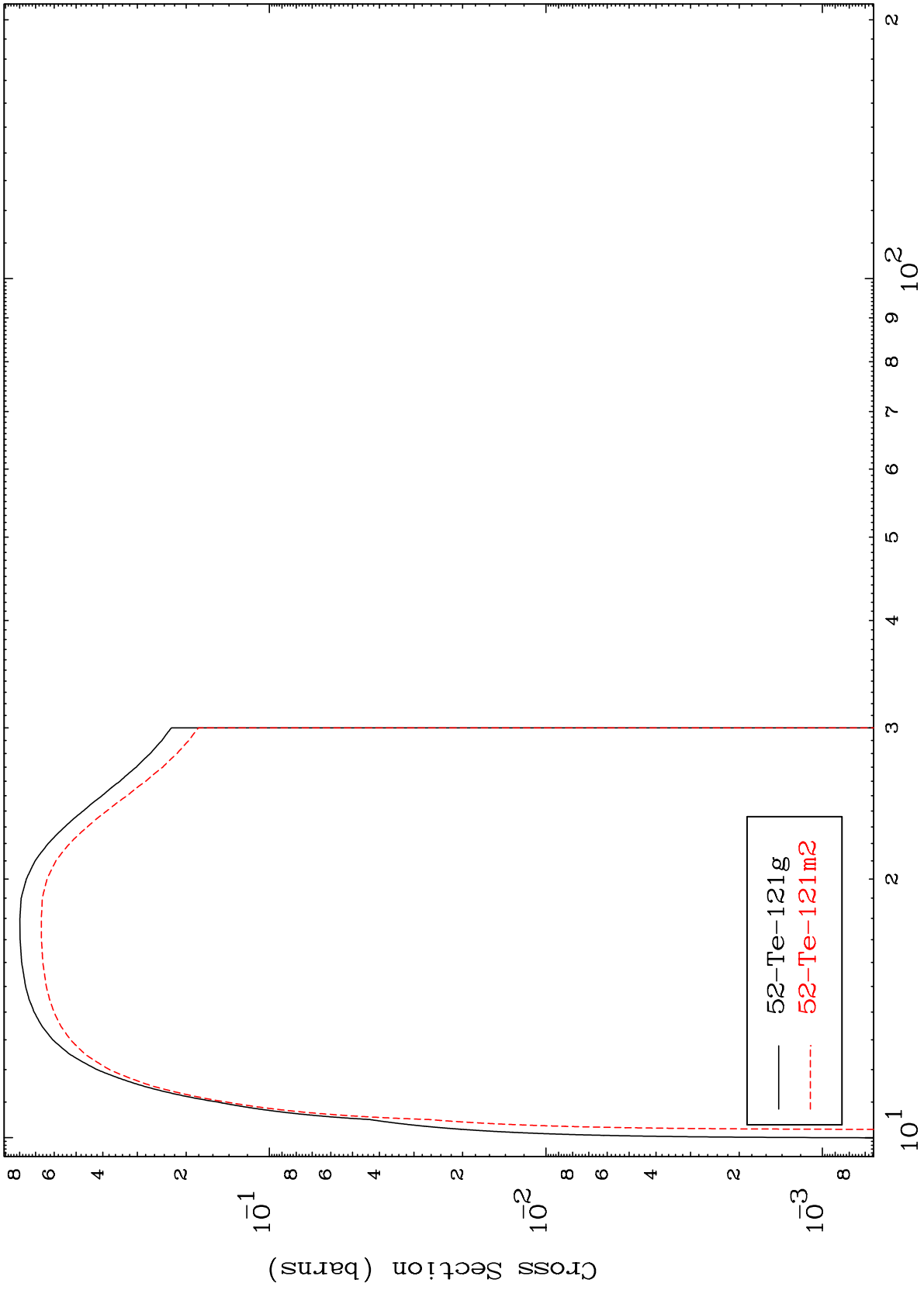


82 52-Te-122

MAT 5231

52-Te-122

(n,2n)
Radionuclide Production Cross Section



83

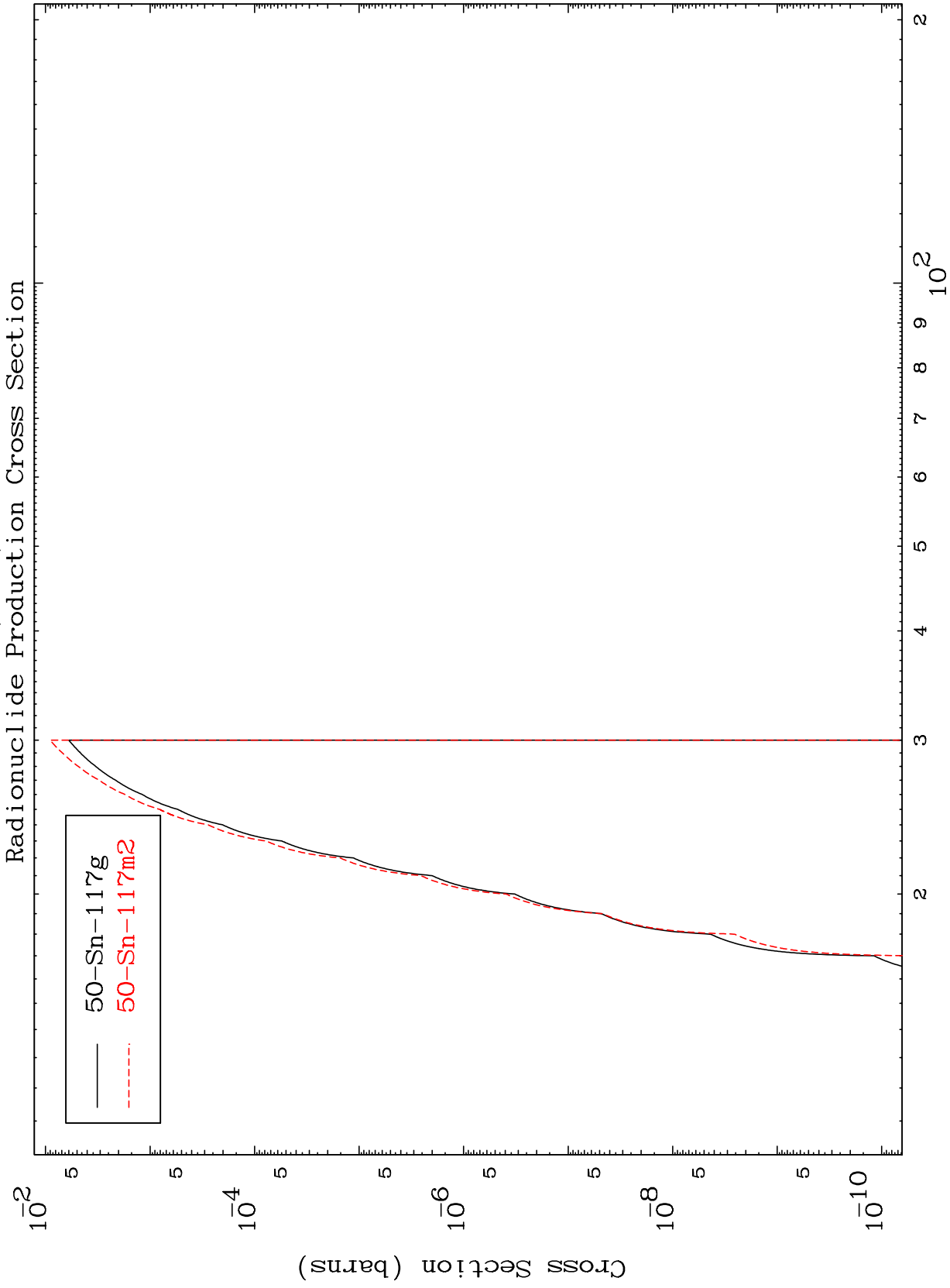
Incident Energy (MeV)

52-Te-122

MAT 5231

(n,2n) α

52-Te-122



84

Incident Energy (MeV)

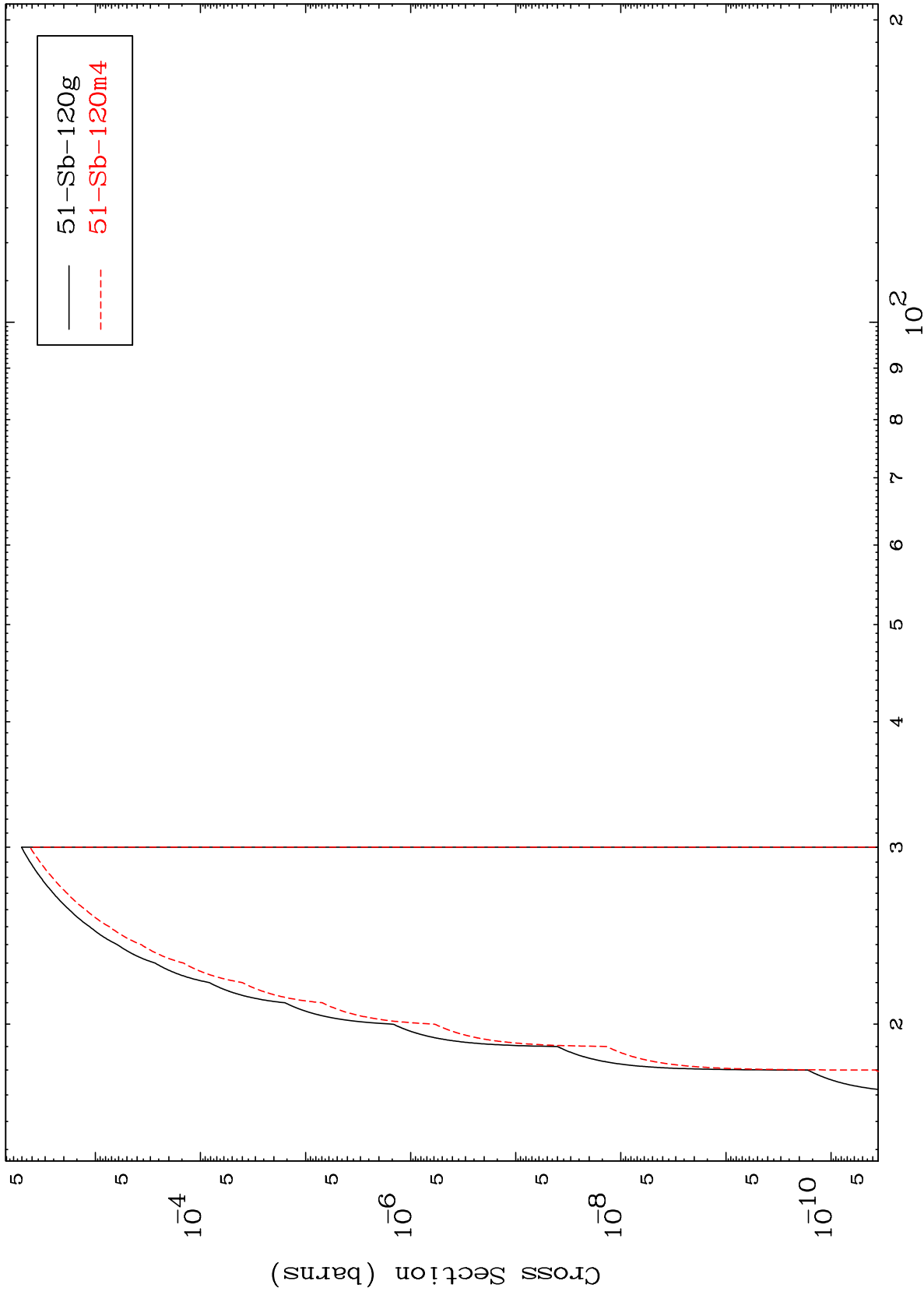
52-Te-122

MAT 5231

(n,n') d

52-Te-122

Radionuclide Production Cross Section



85

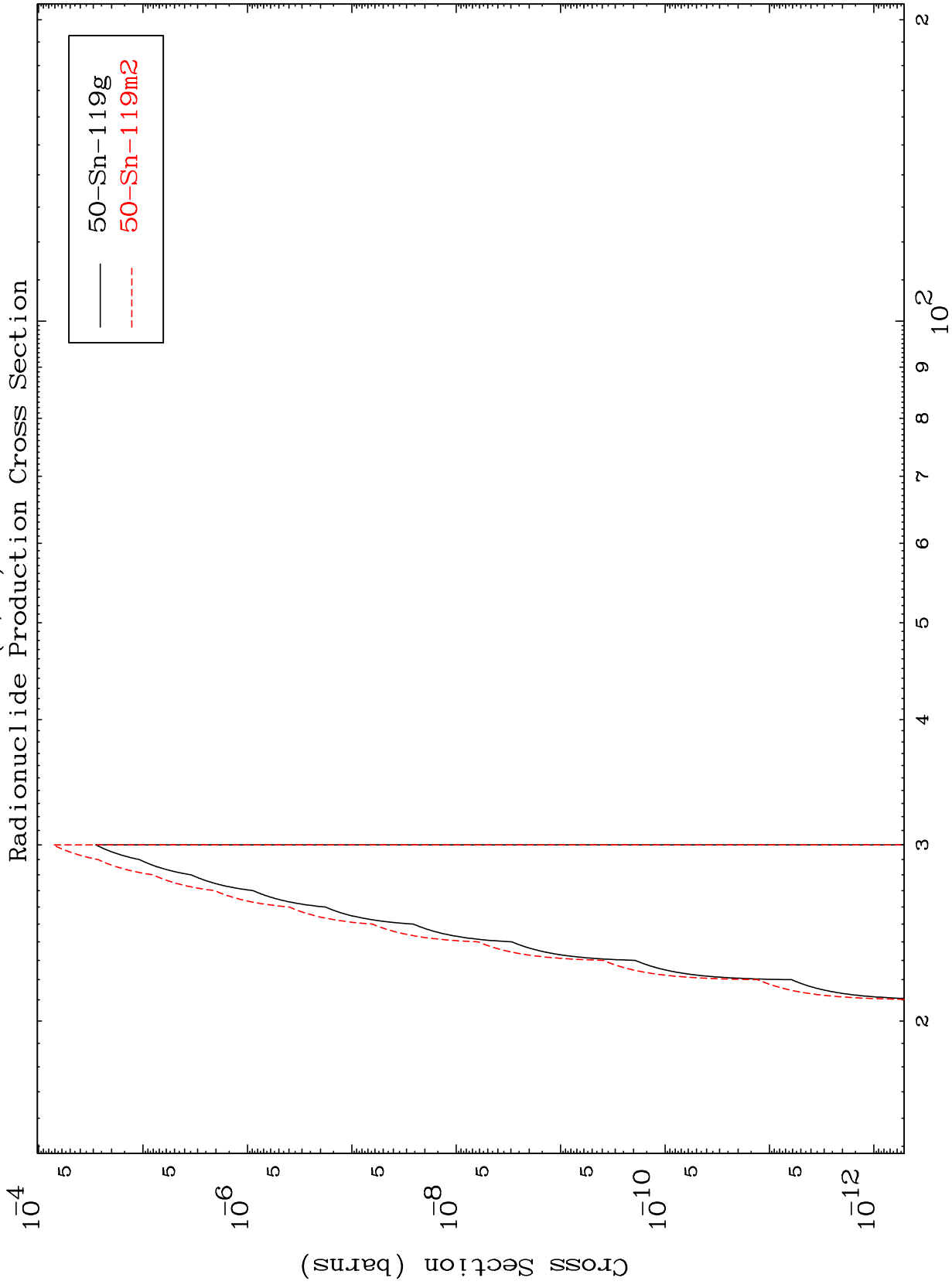
Incident Energy (MeV)

52-Te-122

MAT 5231

(n, n') He-3

52-Te-122



86

52-Te-122

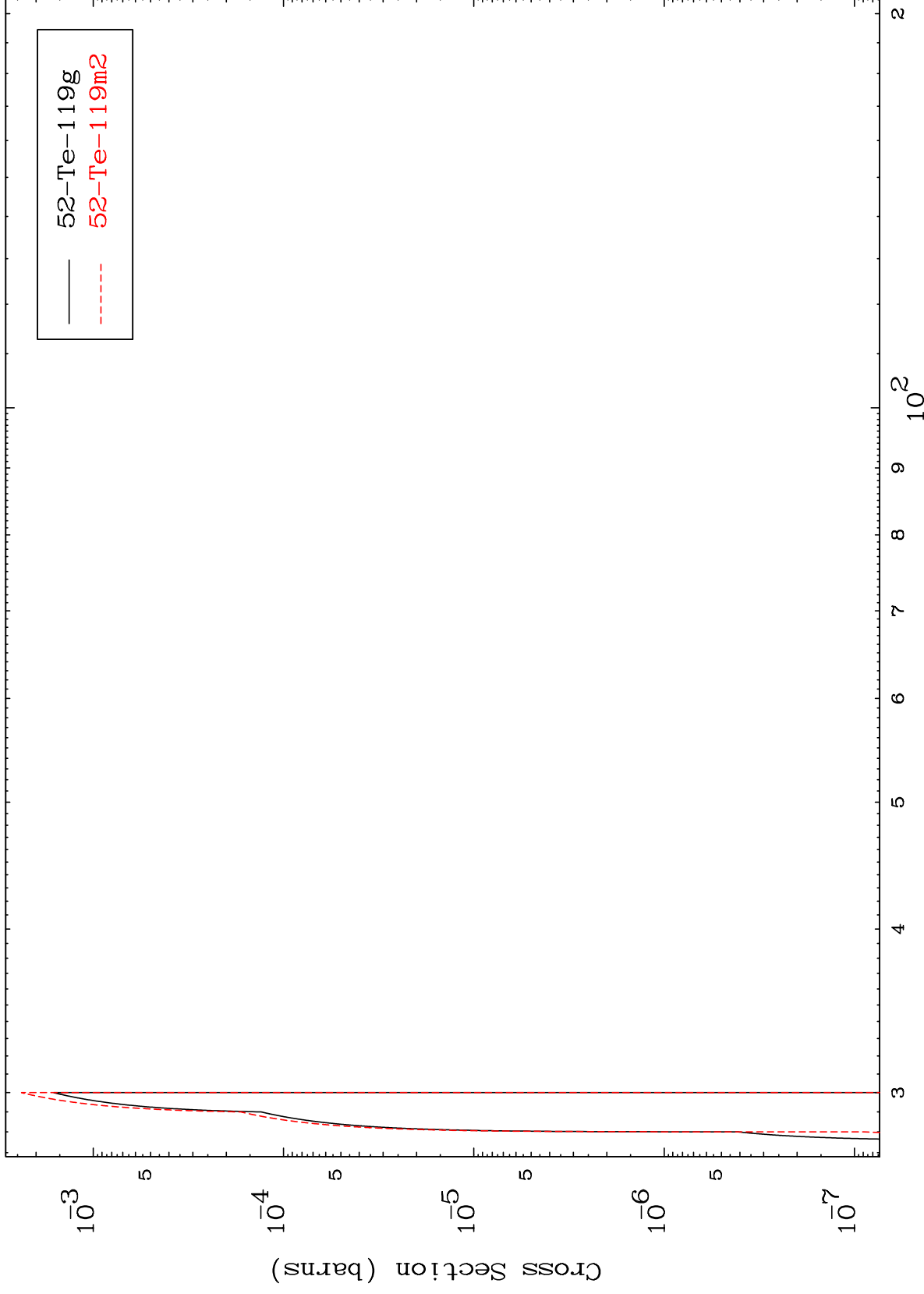
52-Te-122

MAT 5231

(n,4n)

52-Te-122

Radionuclide Production Cross Section



87

Incident Energy (MeV)

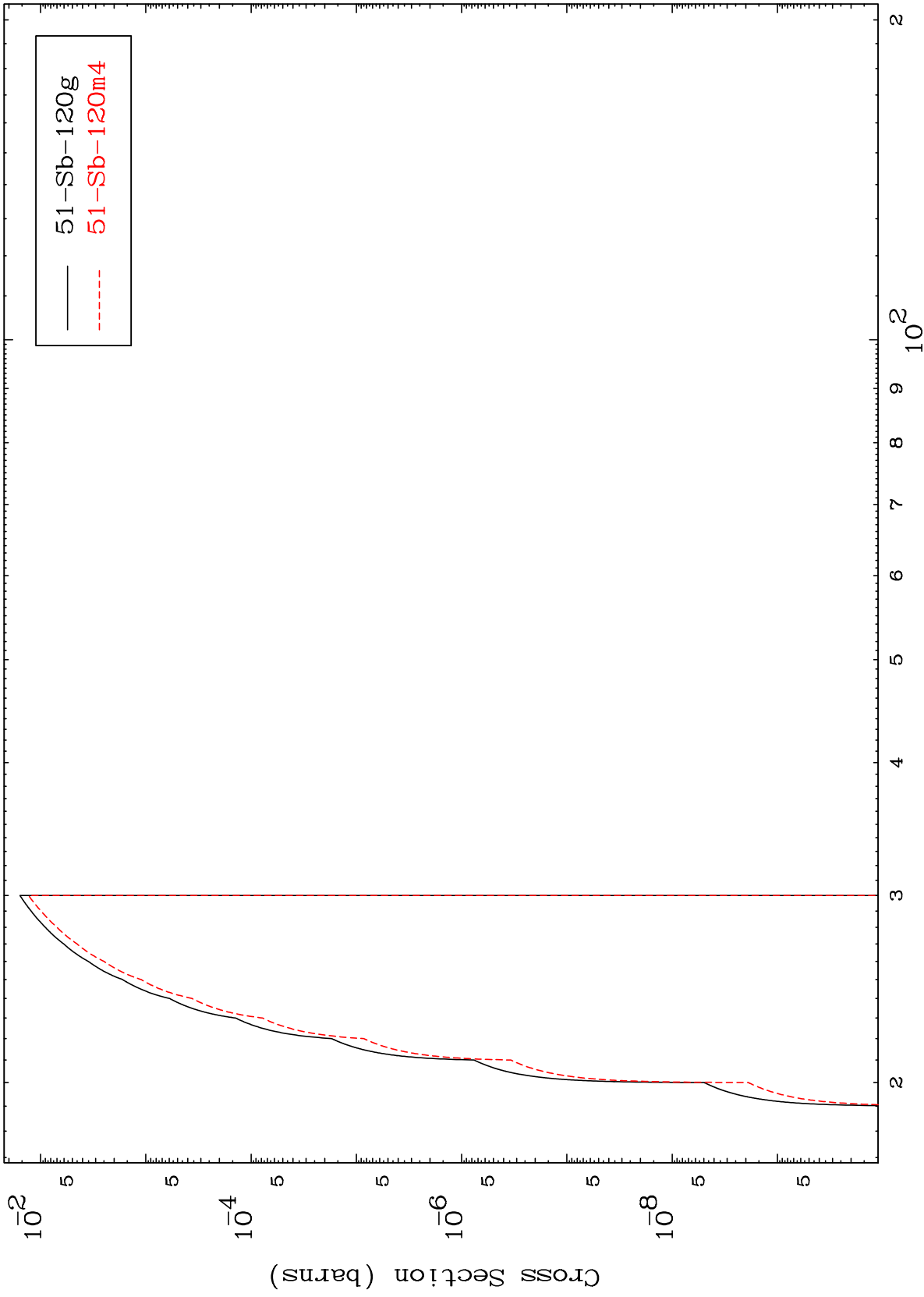
52-Te-122

MAT 5231

(n,2n) p

52-Te-122

Radionuclide Production Cross Section



88

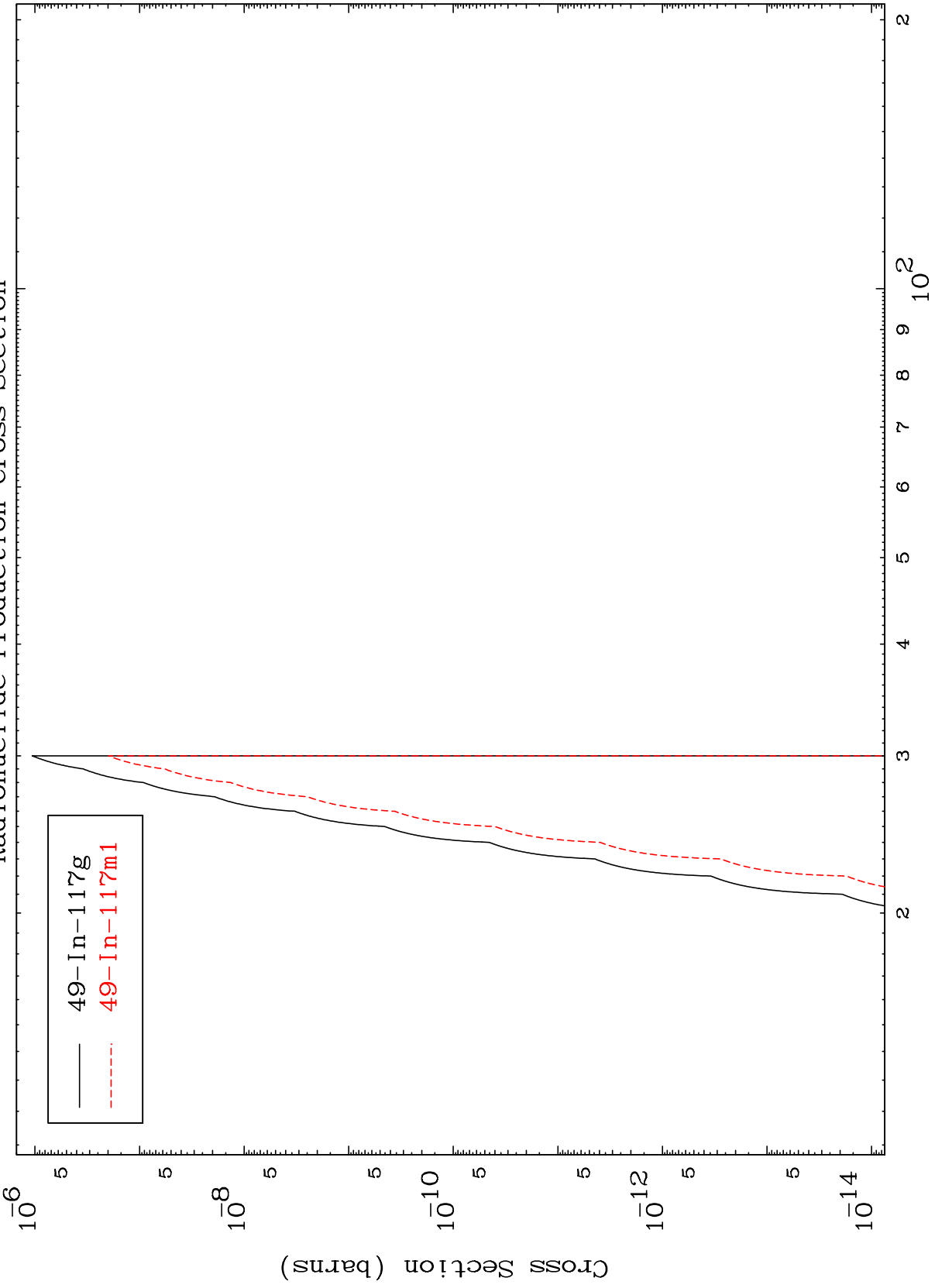
Incident Energy (MeV)

52-Te-122

MAT 5231

52-Te-122

(n,n') p α
Radionuclide Production Cross Section



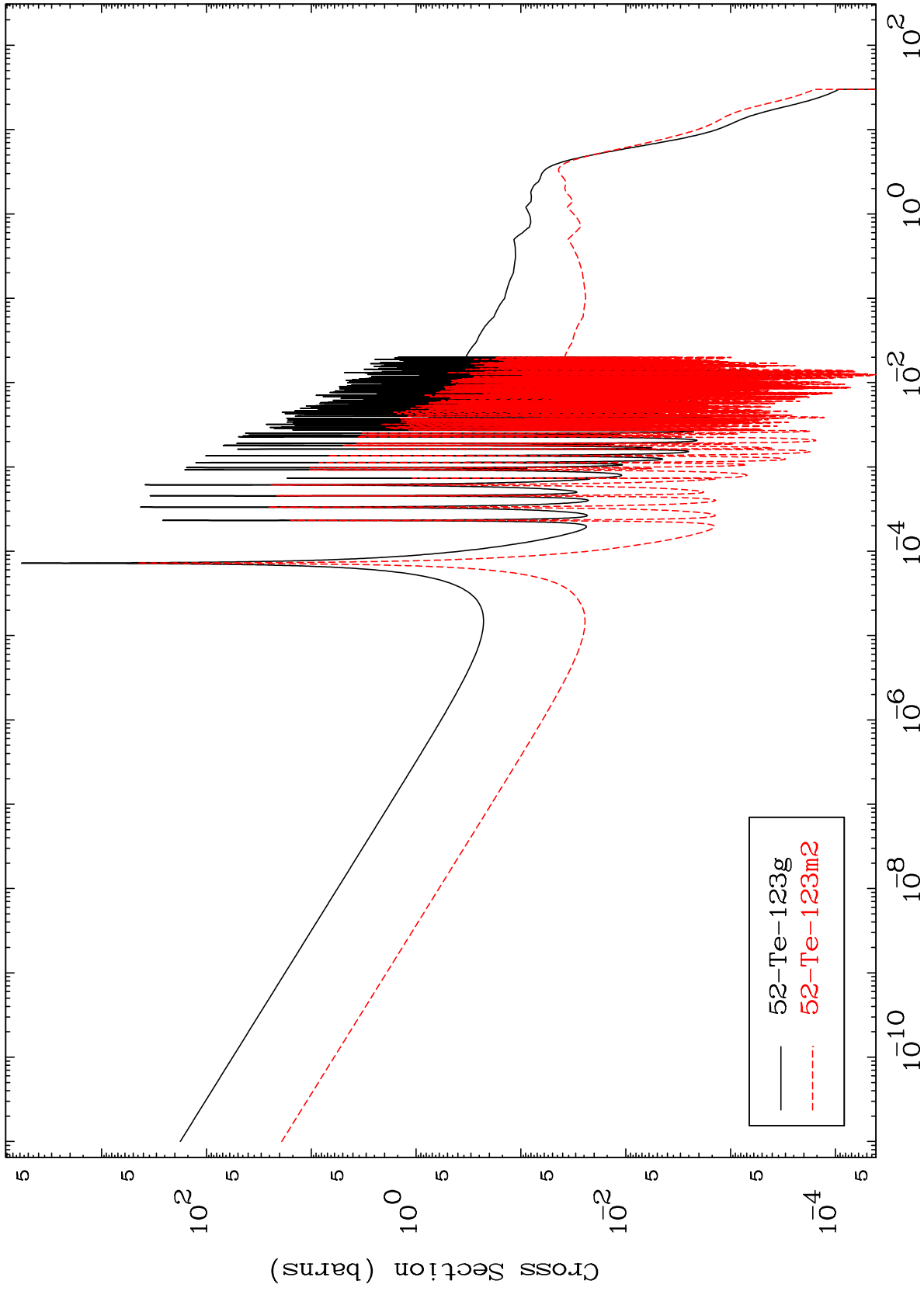
89

52-Te-122

MAT 5231

52-Te-122

(n,γ)
Radionuclide Production Cross Section



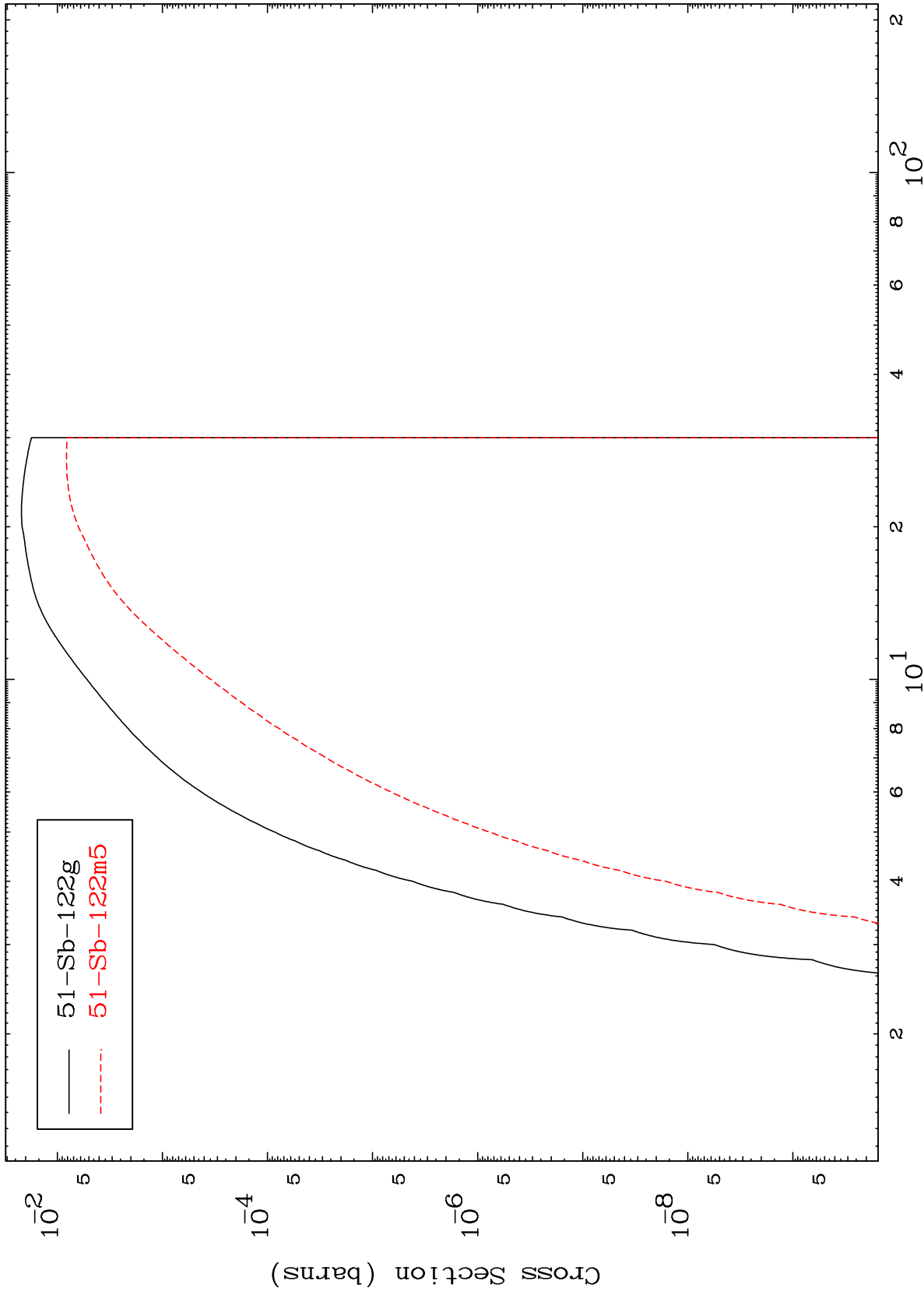
90

52-Te-122

MAT 5231

52-Te-122

(n,p)
Radionuclide Production Cross Section



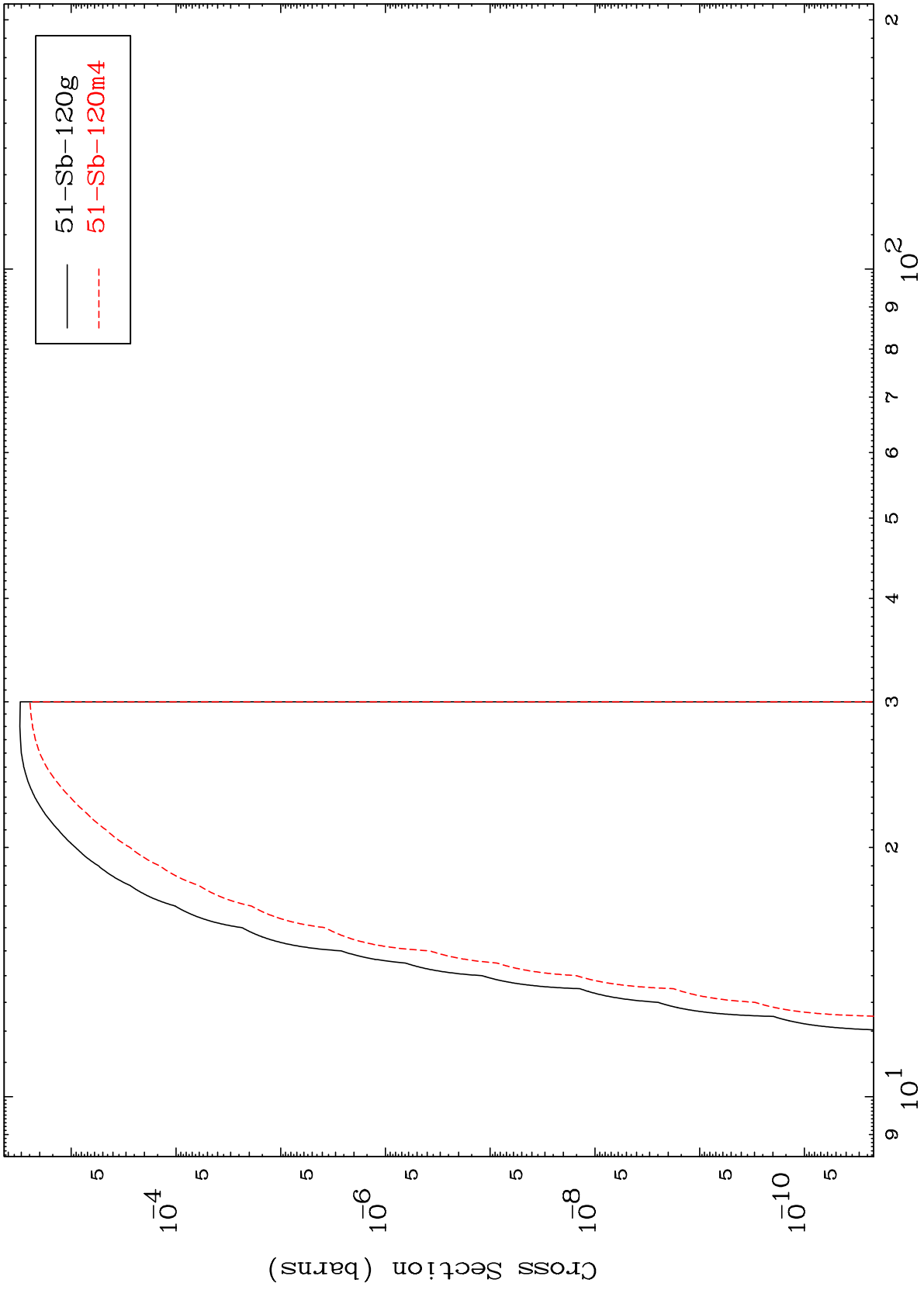
91

52-Te-122

MAT 5231

52-Te-122

(n, t)
Radionuclide Production Cross Section



92

Incident Energy (MeV)

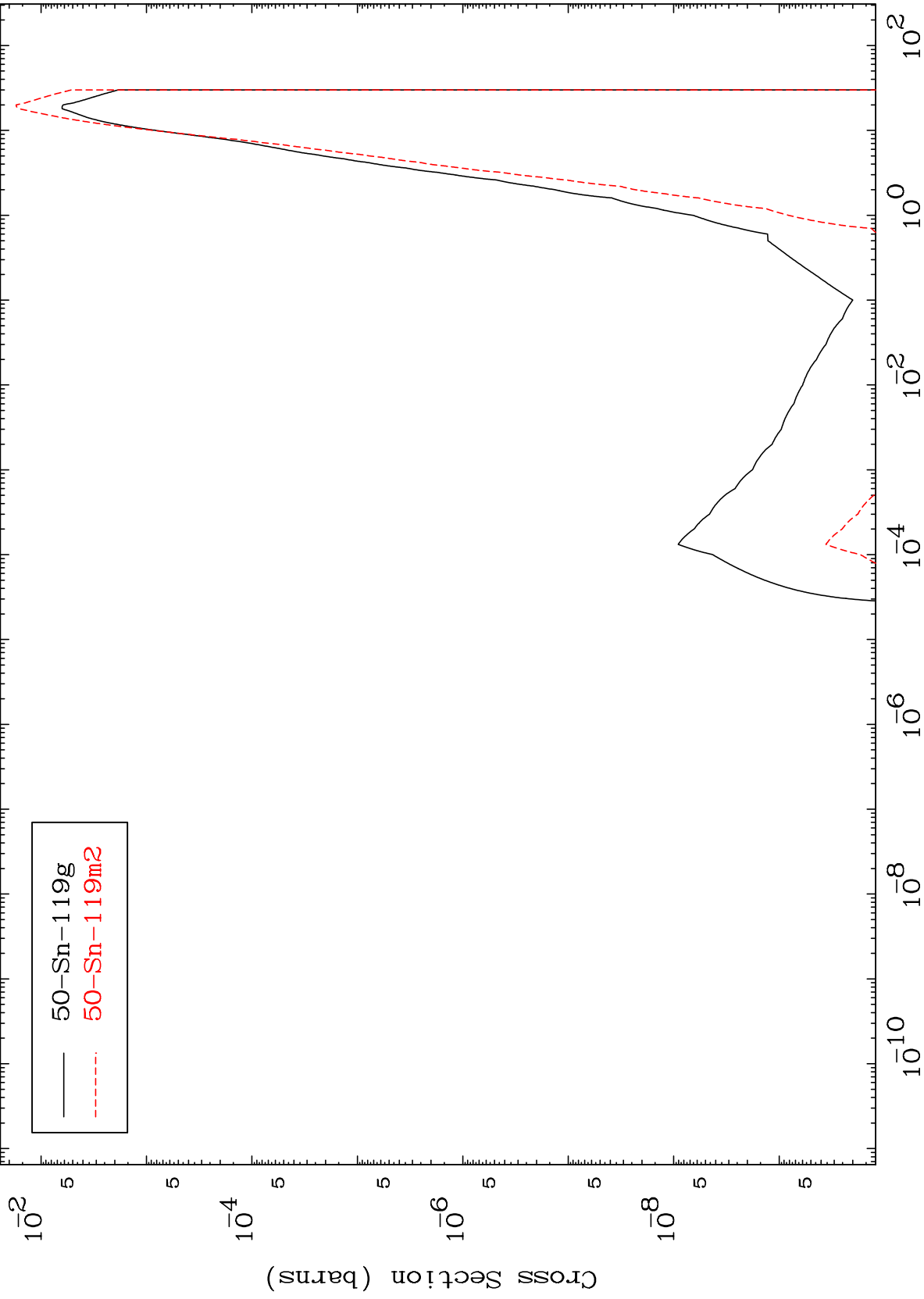
52-Te-122

MAT 5231

(n, α)

52-Te-122

Radionuclide Production Cross Section



50-Sn-119g
50-Sn-119m2

93

Incident Energy (MeV)

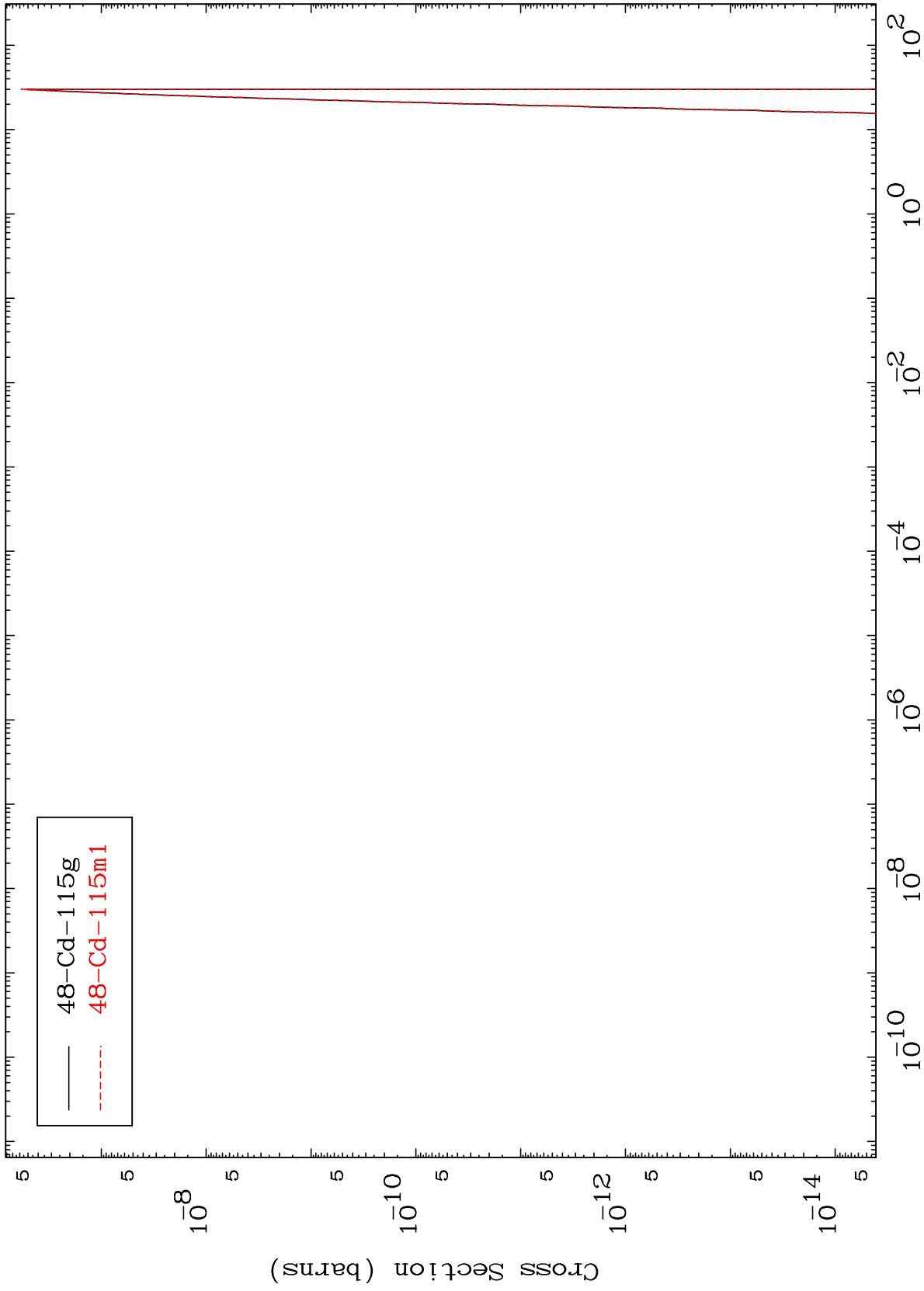
52-Te-122

MAT 5231

(n,2α)

52-Te-122

Radionuclide Production Cross Section



94

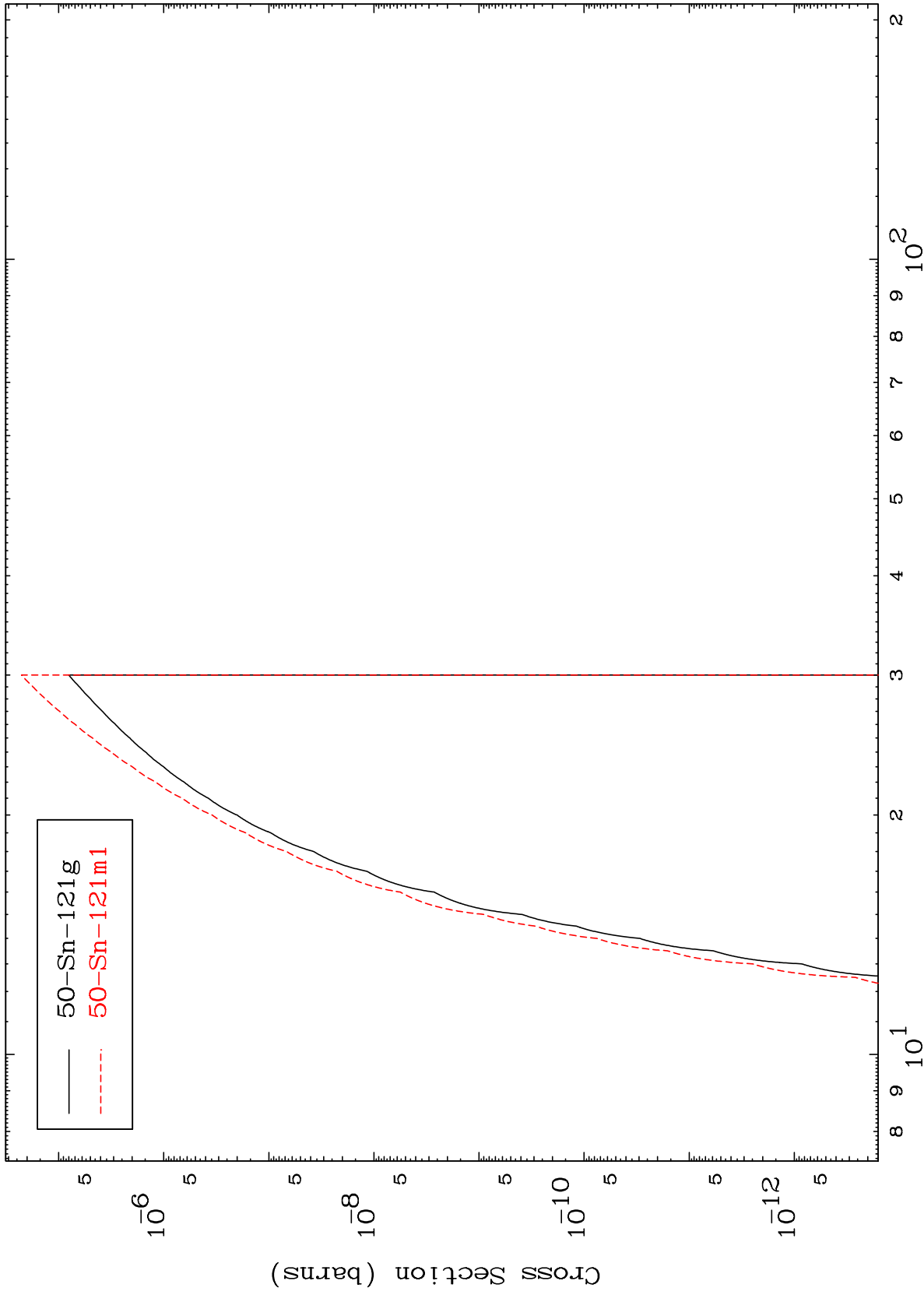
Incident Energy (MeV)

52-Te-122

MAT 5231

52-Te-122

Radionuclide Production Cross Section (n,2p)



95

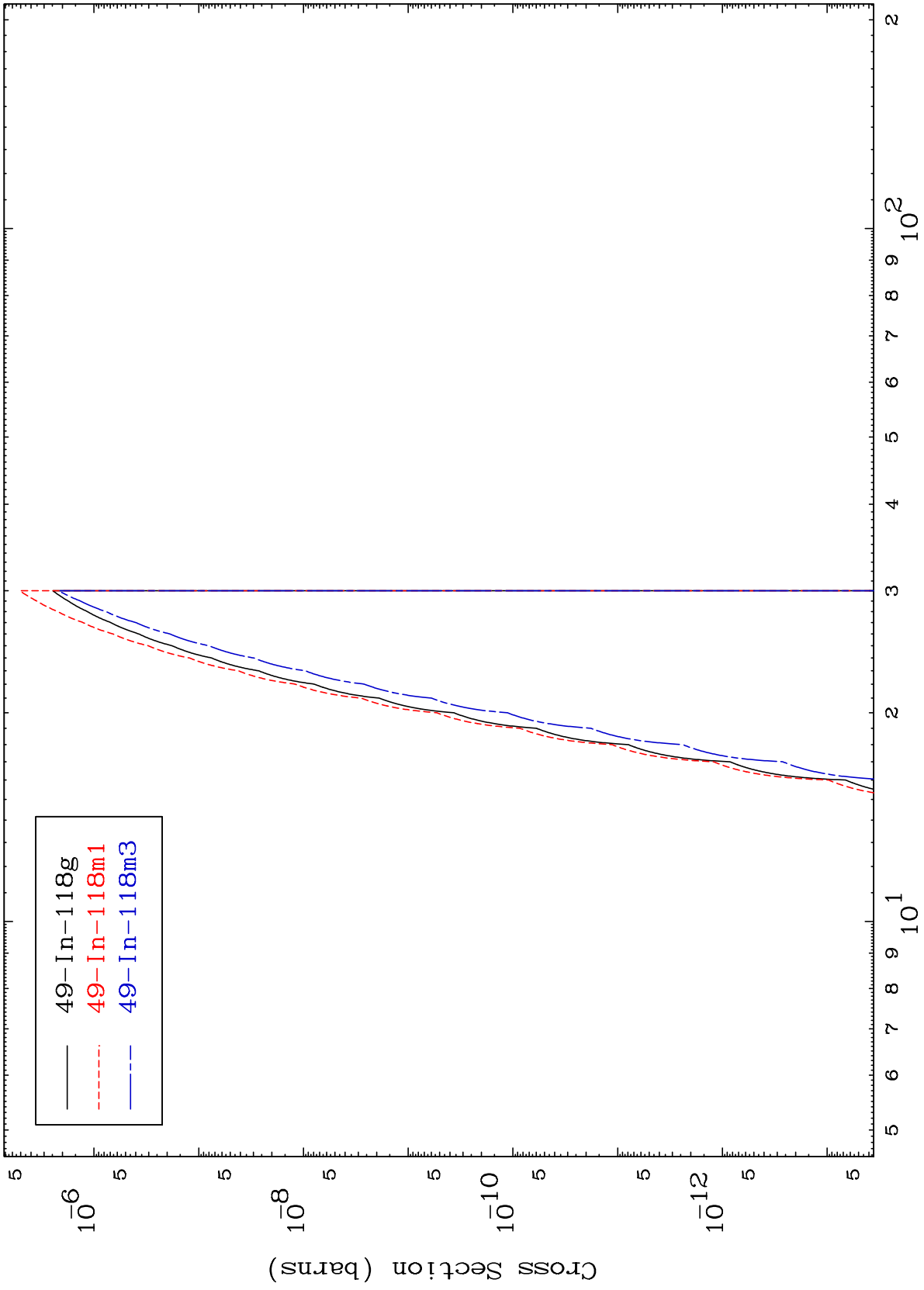
Incident Energy (MeV)

52-Te-122

MAT 5231

52-Te-122

(n,p) α
Radionuclide Production Cross Section



49-In-118g
49-In-118m1
49-In-118m3

96

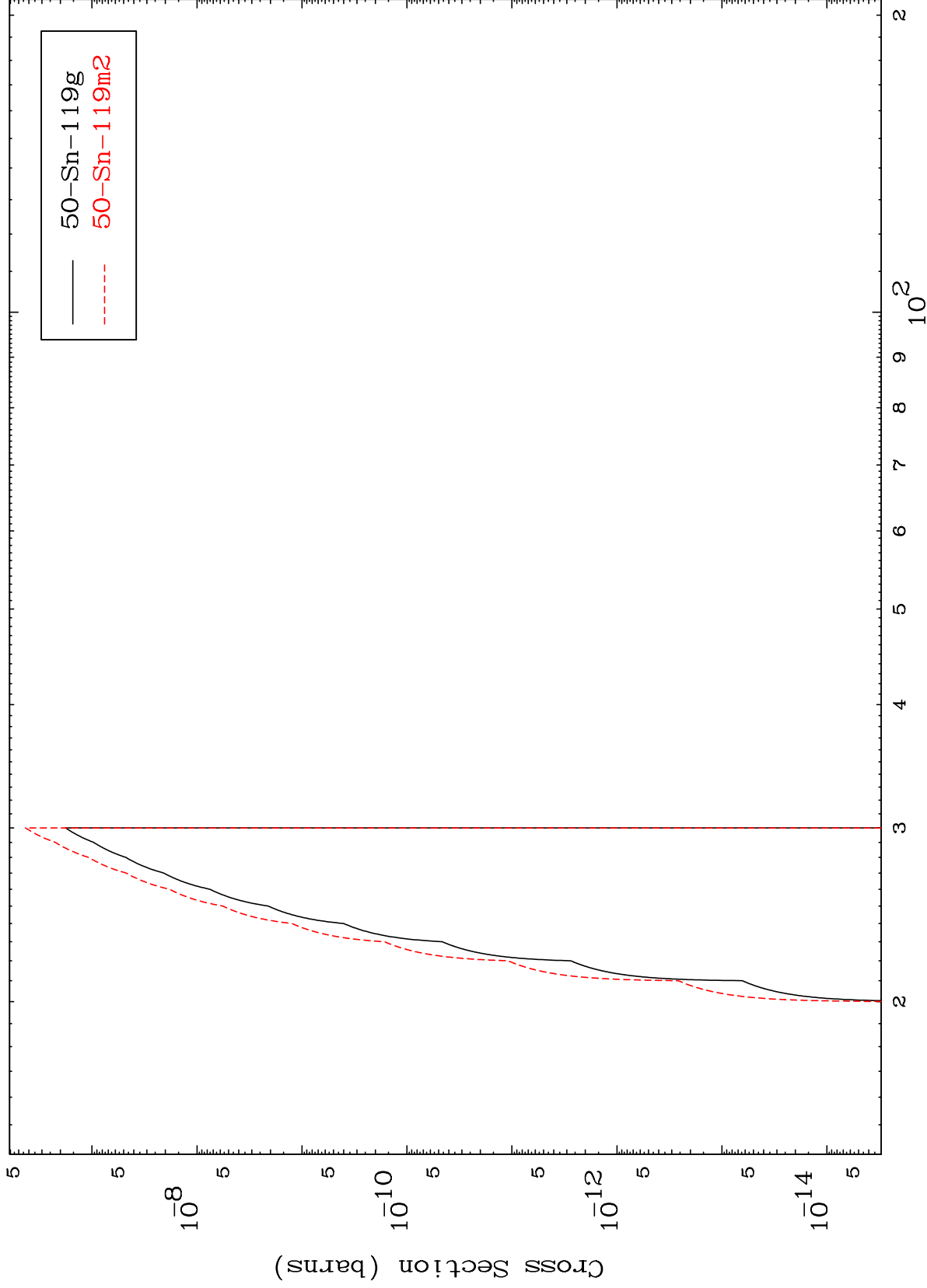
52-Te-122

MAT 5231

(n,p) t

⁵²Te-122

Radionuclide Production Cross Section



97

Incident Energy (MeV)

⁵²Te-122

MAT 5231

(n,d) α

52-Te-122

Radionuclide Production Cross Section

