

Program EVALPLOT
(Version 2018-1)

by

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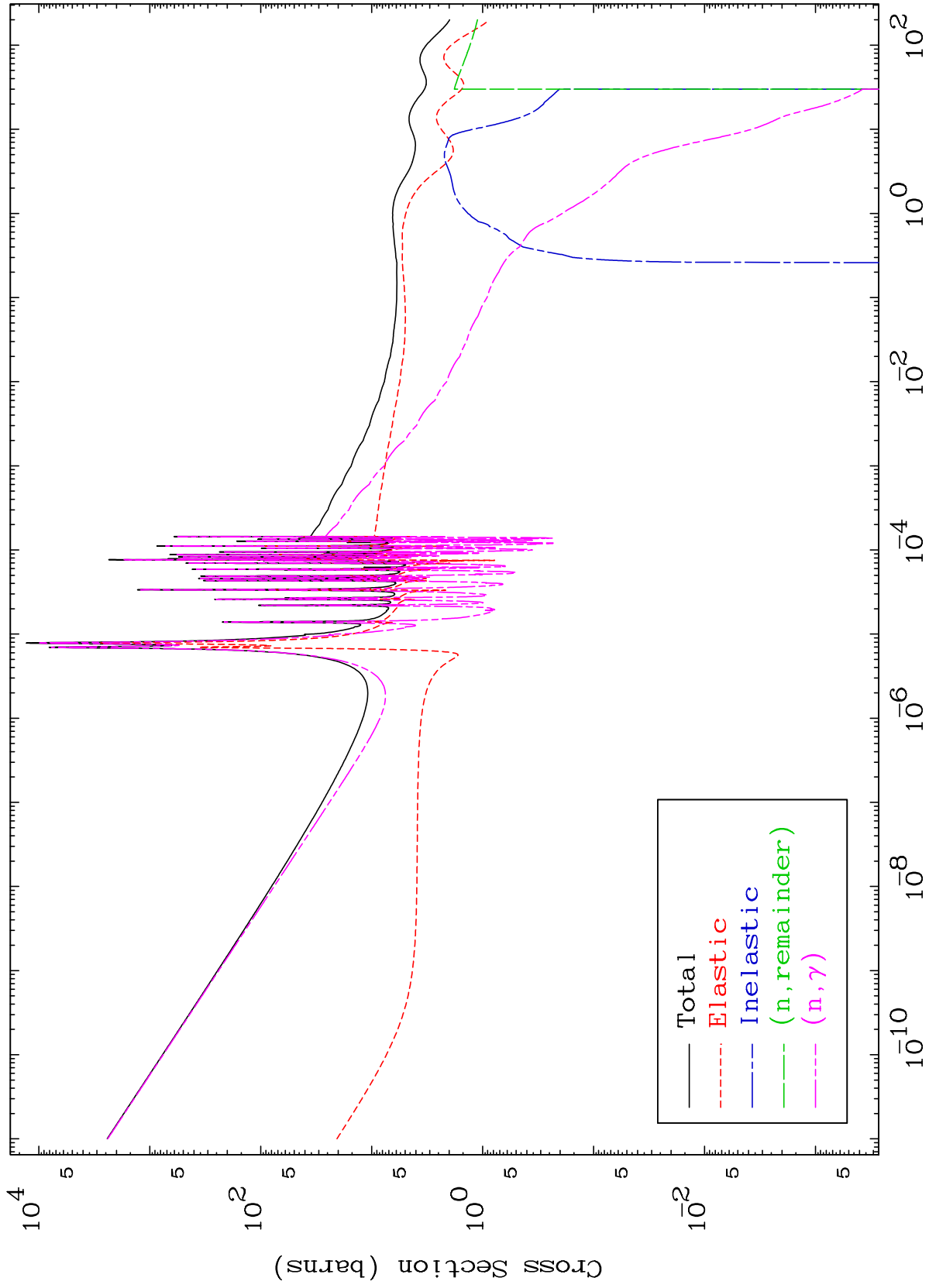
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5222

Major
293 Kelvin Cross Sections

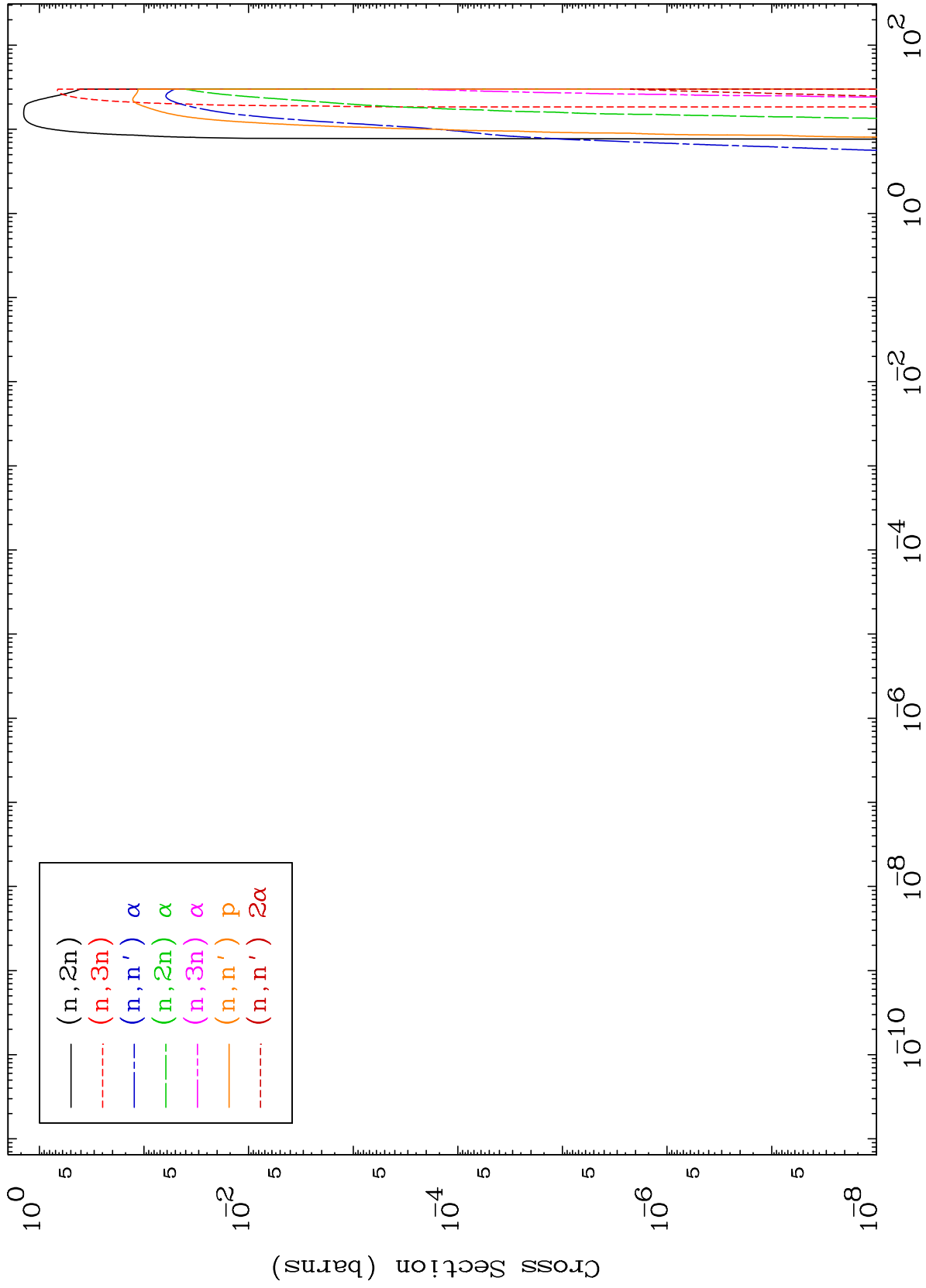
52-Te-119



MAT 5222

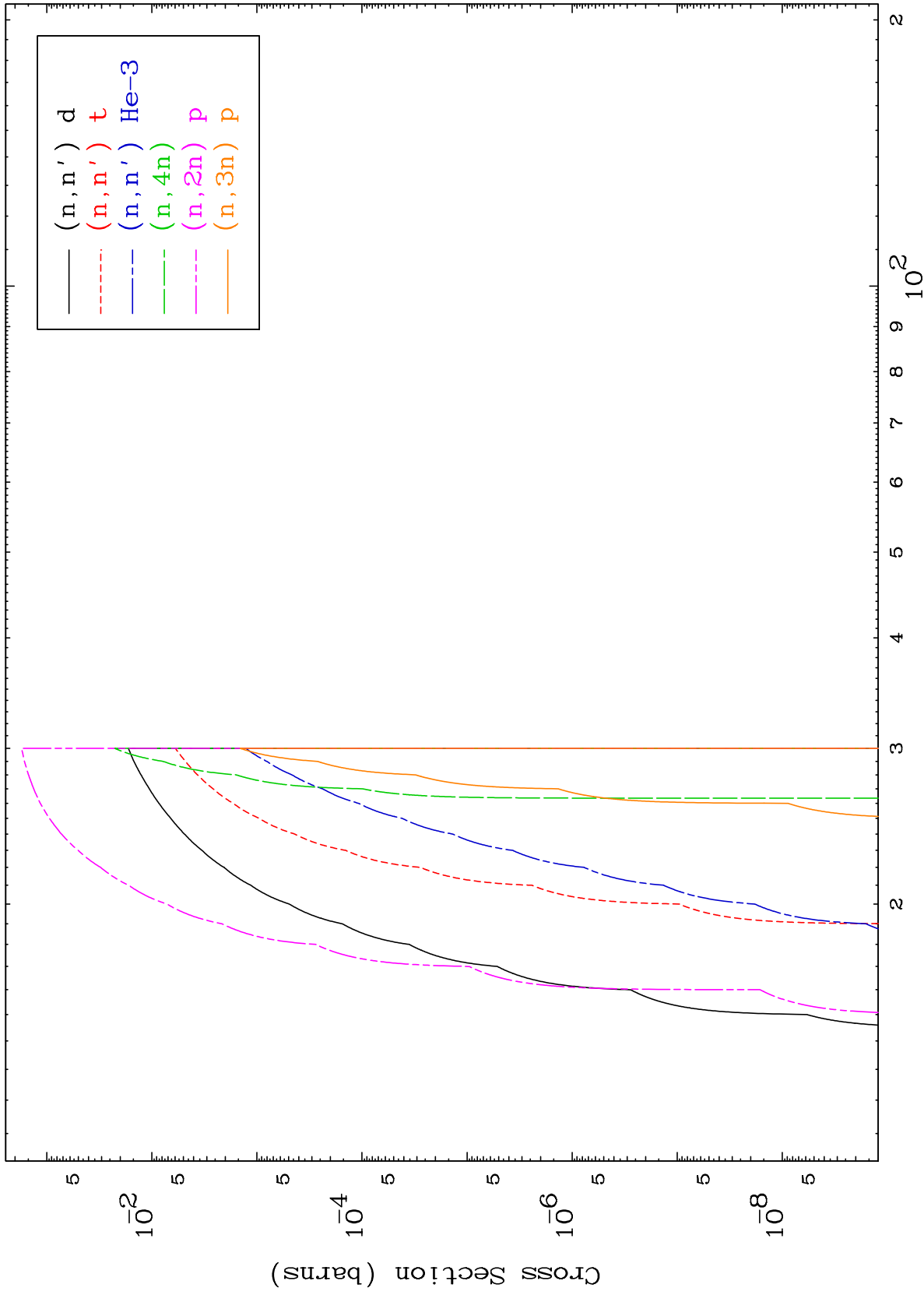
Neutron Production
293 Kelvin Cross Sections

52-Te-119



2

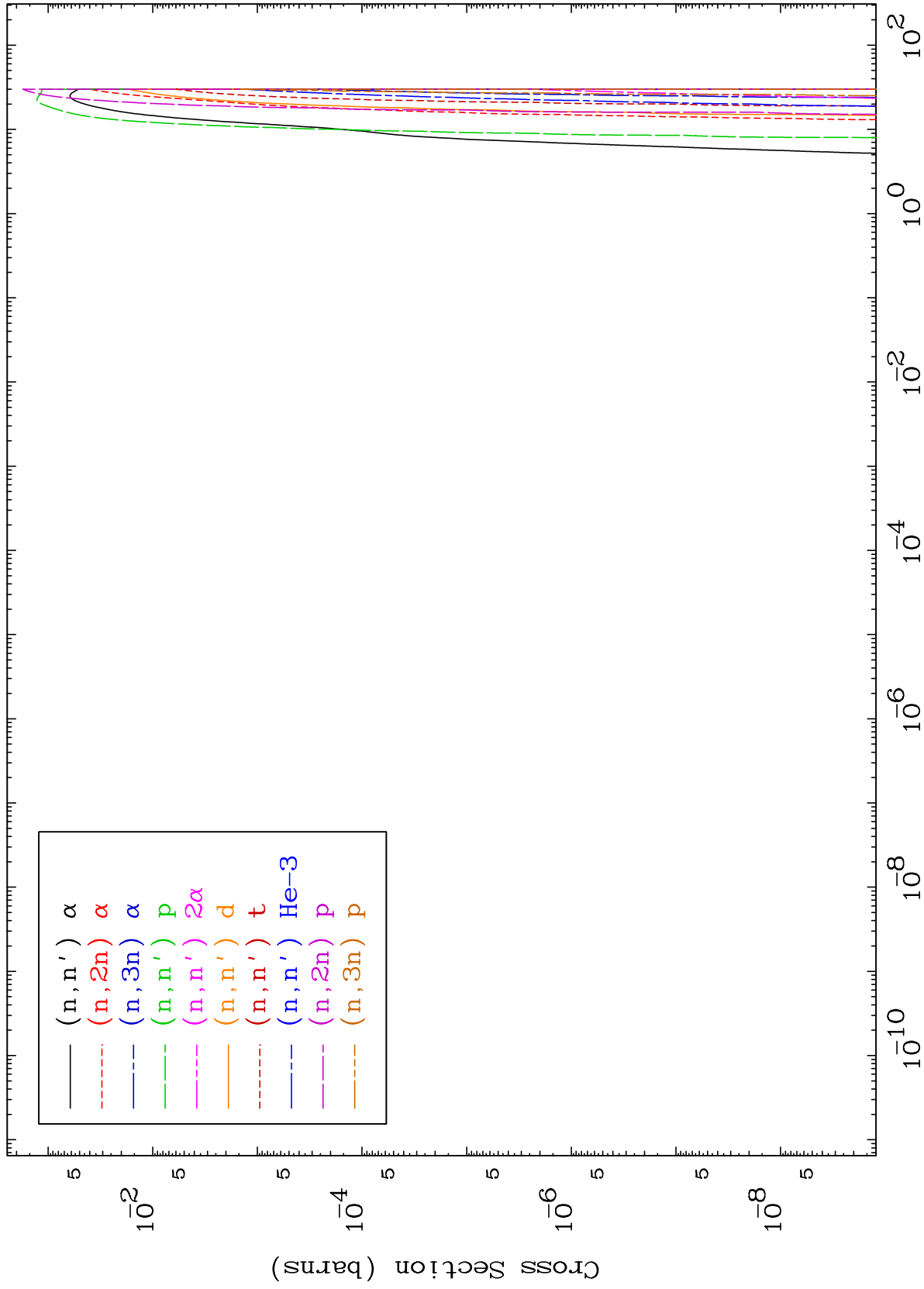
52-Te-119



MAT 5222

293 Kelvin Charged Particle Cross Sections

52-Te-119

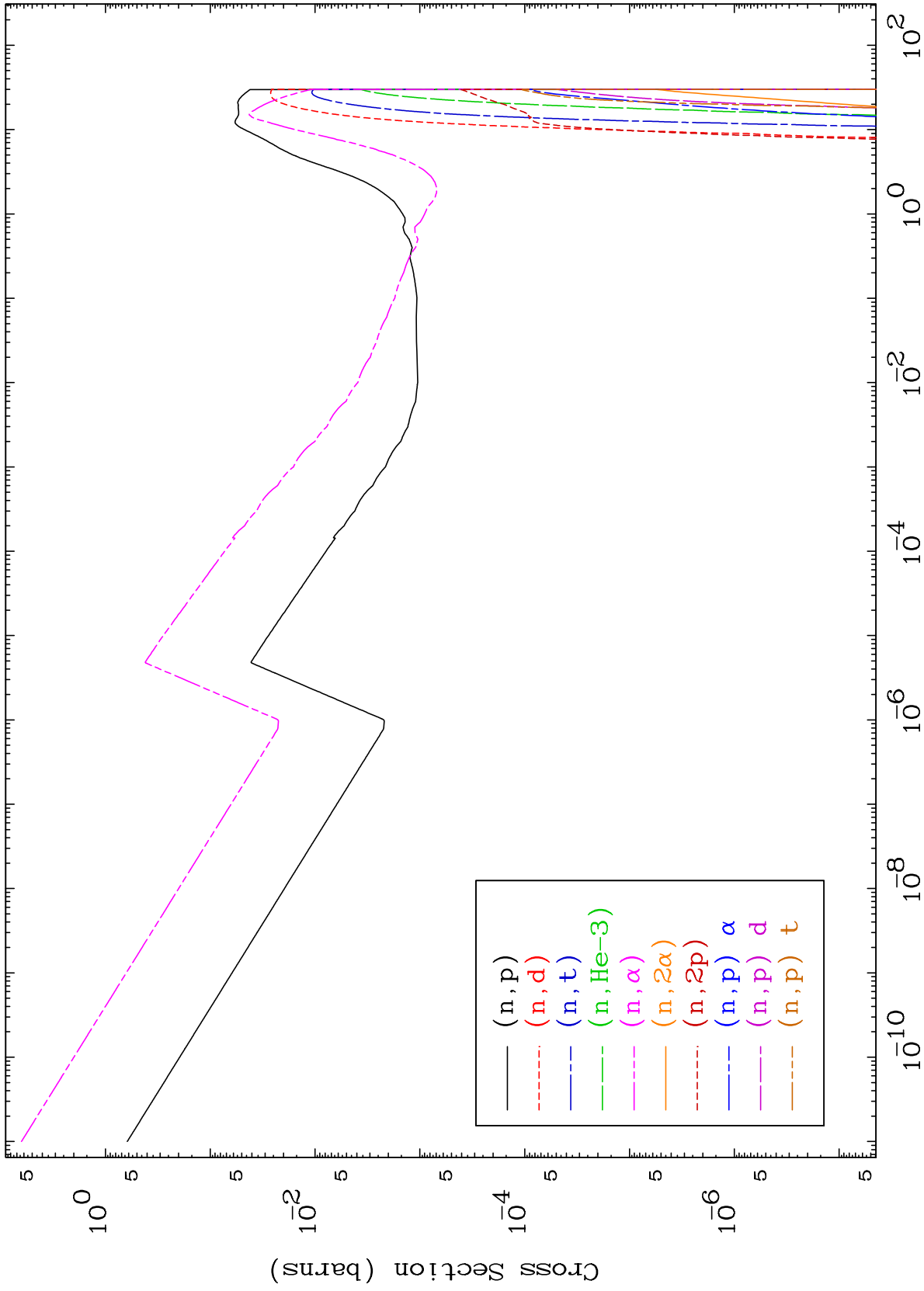


52-Te-119

MAT 5222

Charged Particle
293 Kelvin Cross Sections

52-Te-119

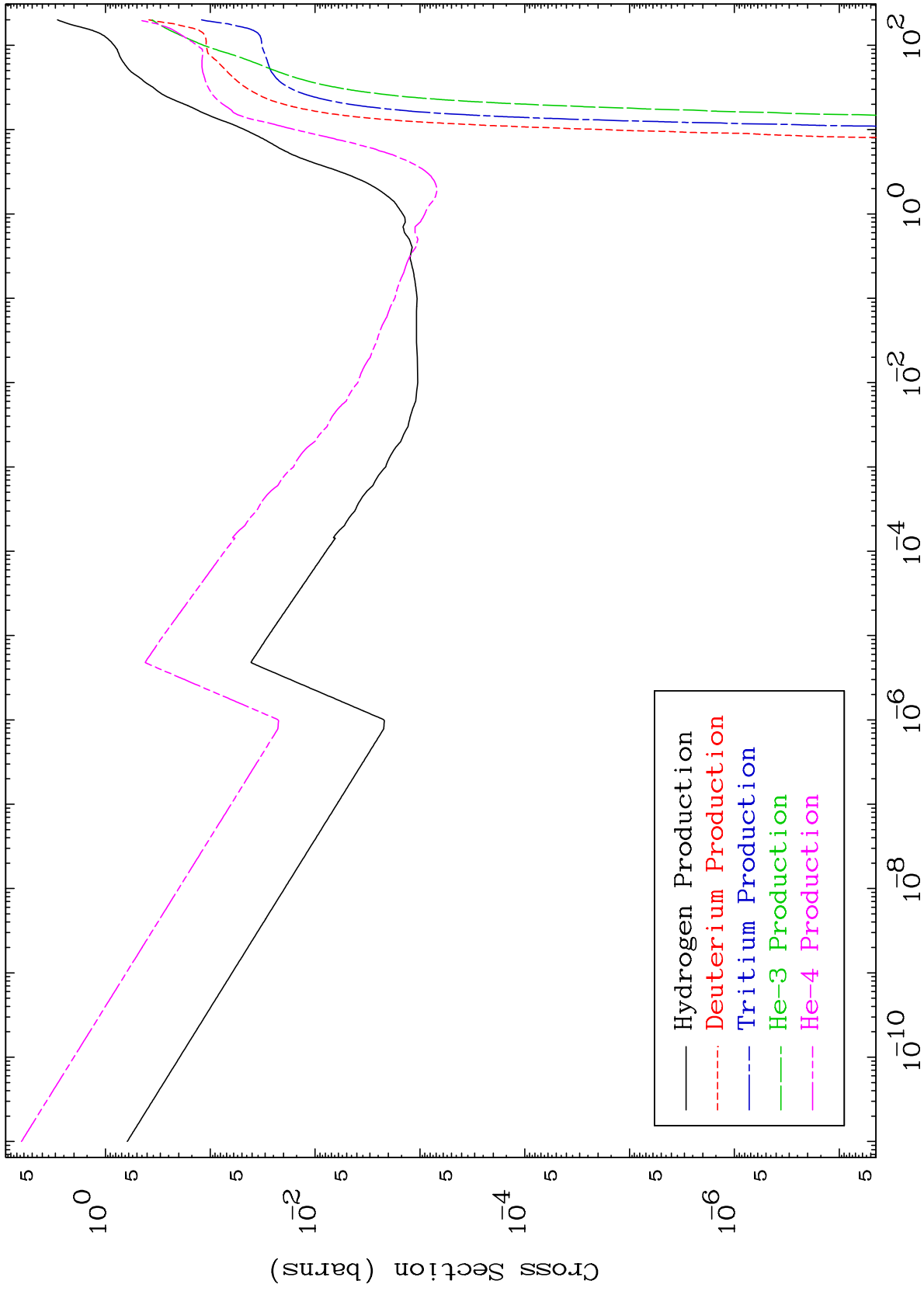


5

MAT 5222

Particle Production
293 Kelvin Cross Sections

52-Te-119



6

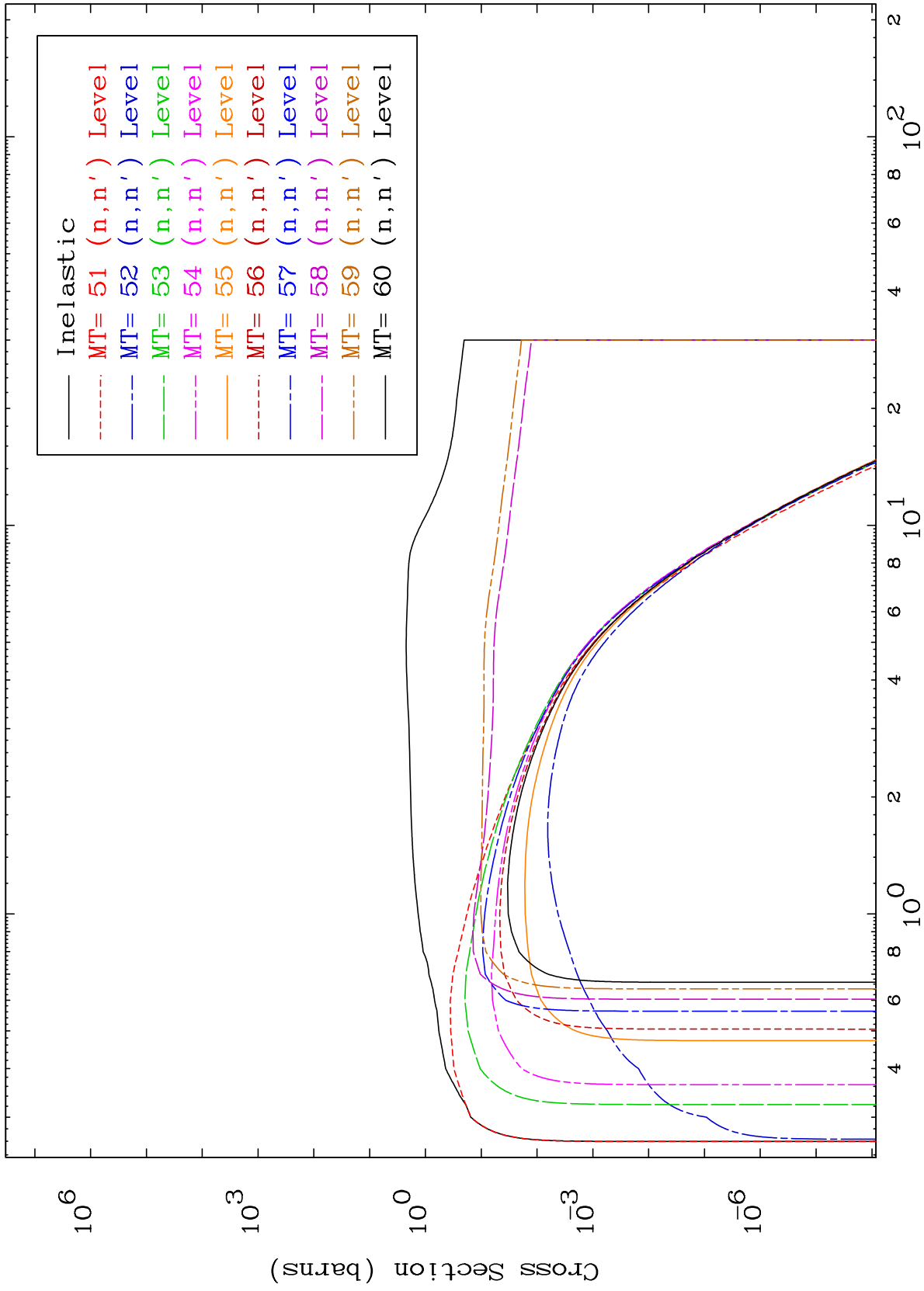
Incident Energy (MeV)

52-Te-119

MAT 5222

(n,n') Level
293 Kelvin Cross Sections

52-Te-119



7

Incident Energy (MeV)

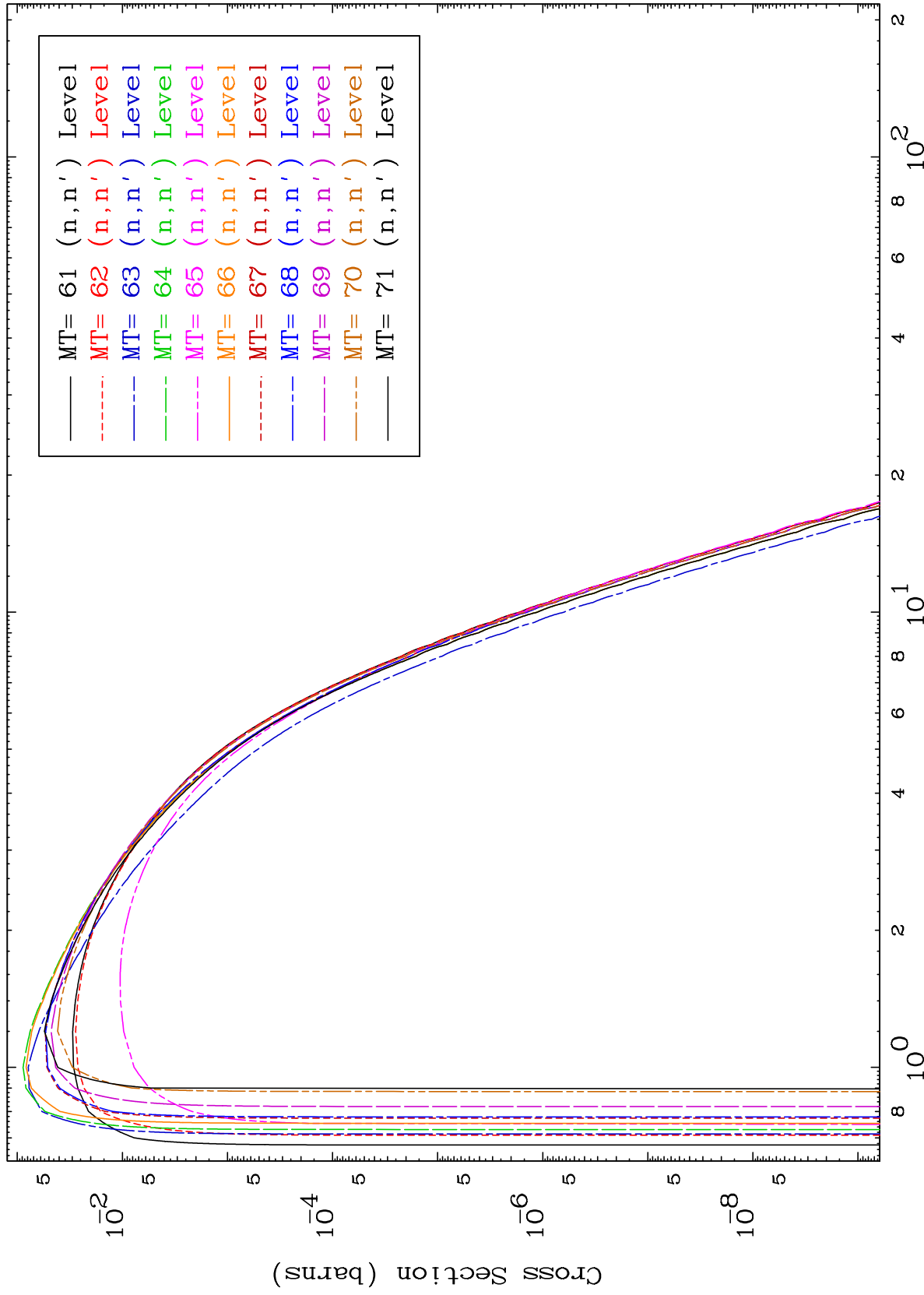
52-Te-119

MAT 5222

(n,n') Level

293 Kelvin Cross Sections

52-Te-119



8

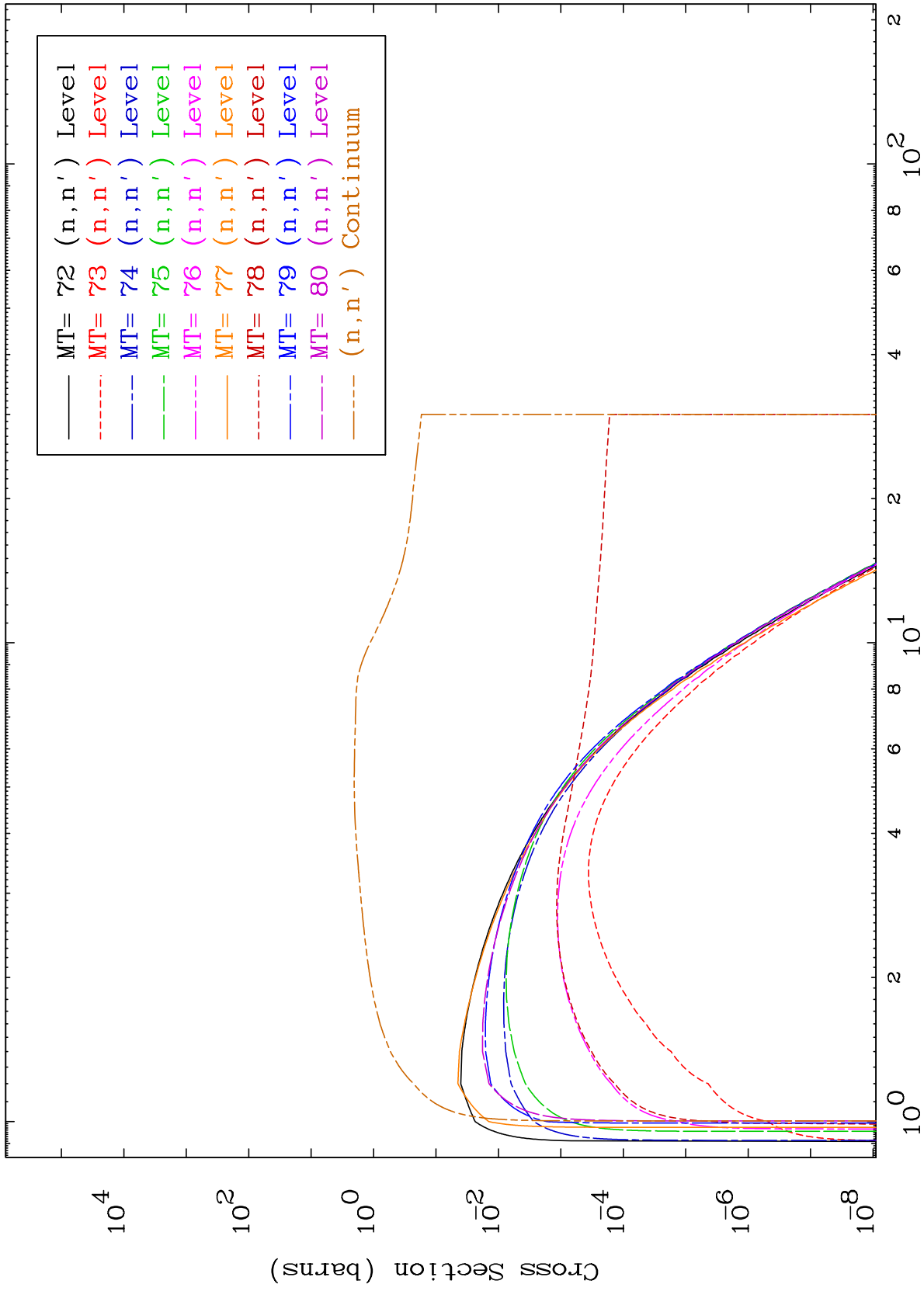
Incident Energy (MeV)

52-Te-119

MAT 5222

(n,n') Level
293 Kelvin Cross Sections

52-Te-119



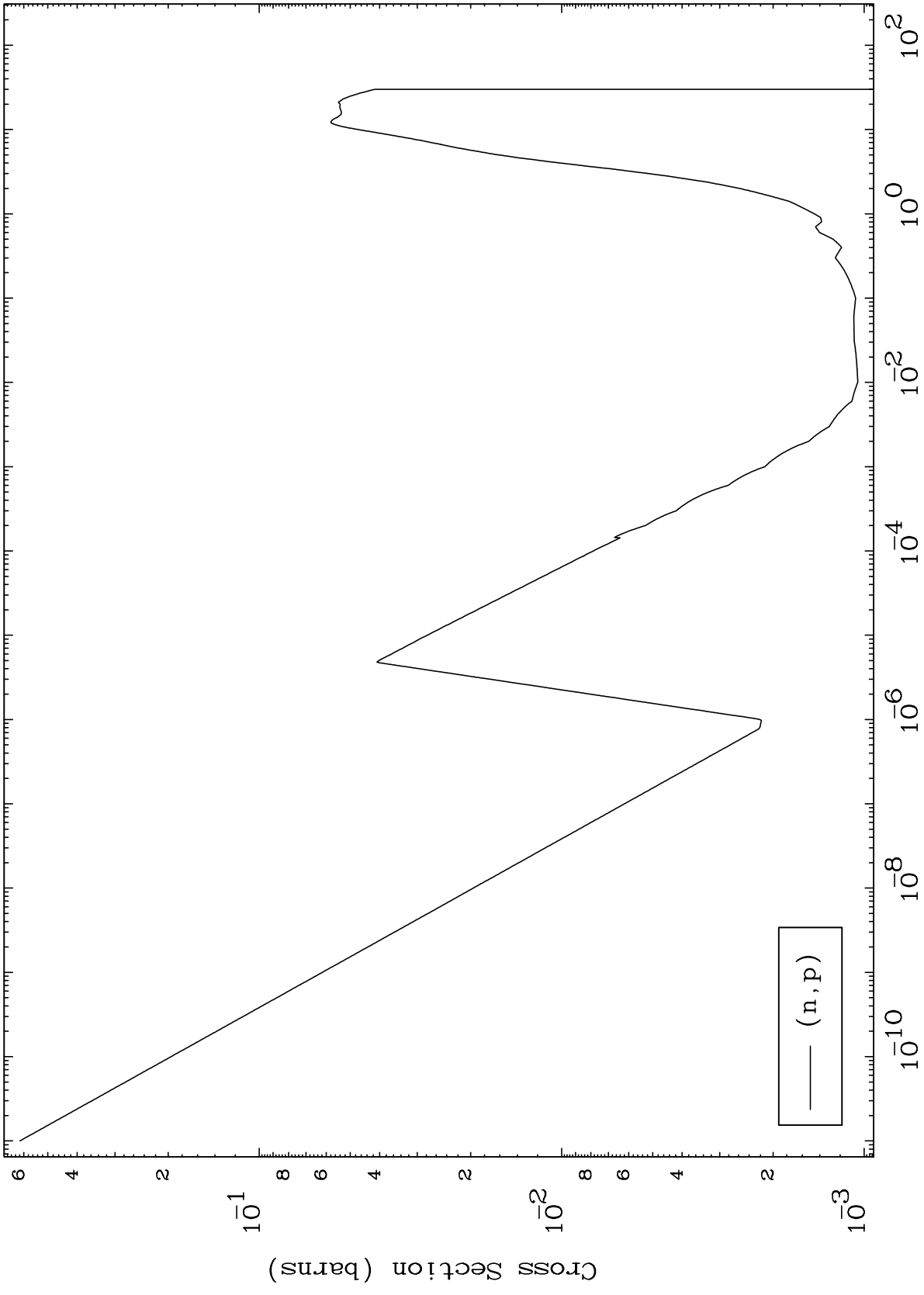
Incident Energy (MeV)

52-Te-119

MAT 5222

(n,p) Levels
293 Kelvin Cross Sections

52-Te-119



10

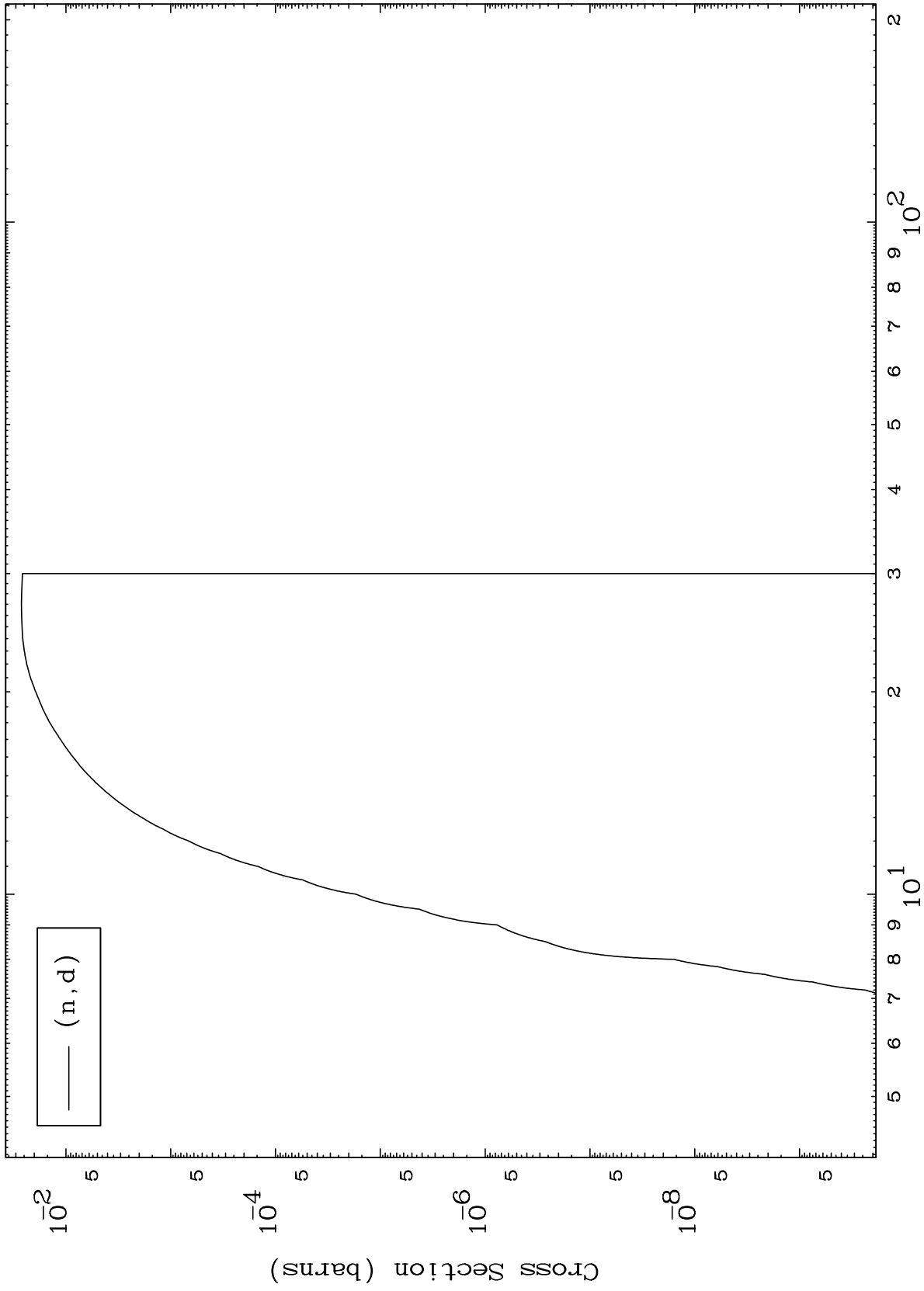
Incident Energy (MeV)

52-Te-119

MAT 5222

(n,d) Levels
293 Kelvin Cross Sections

52-Te-119



11

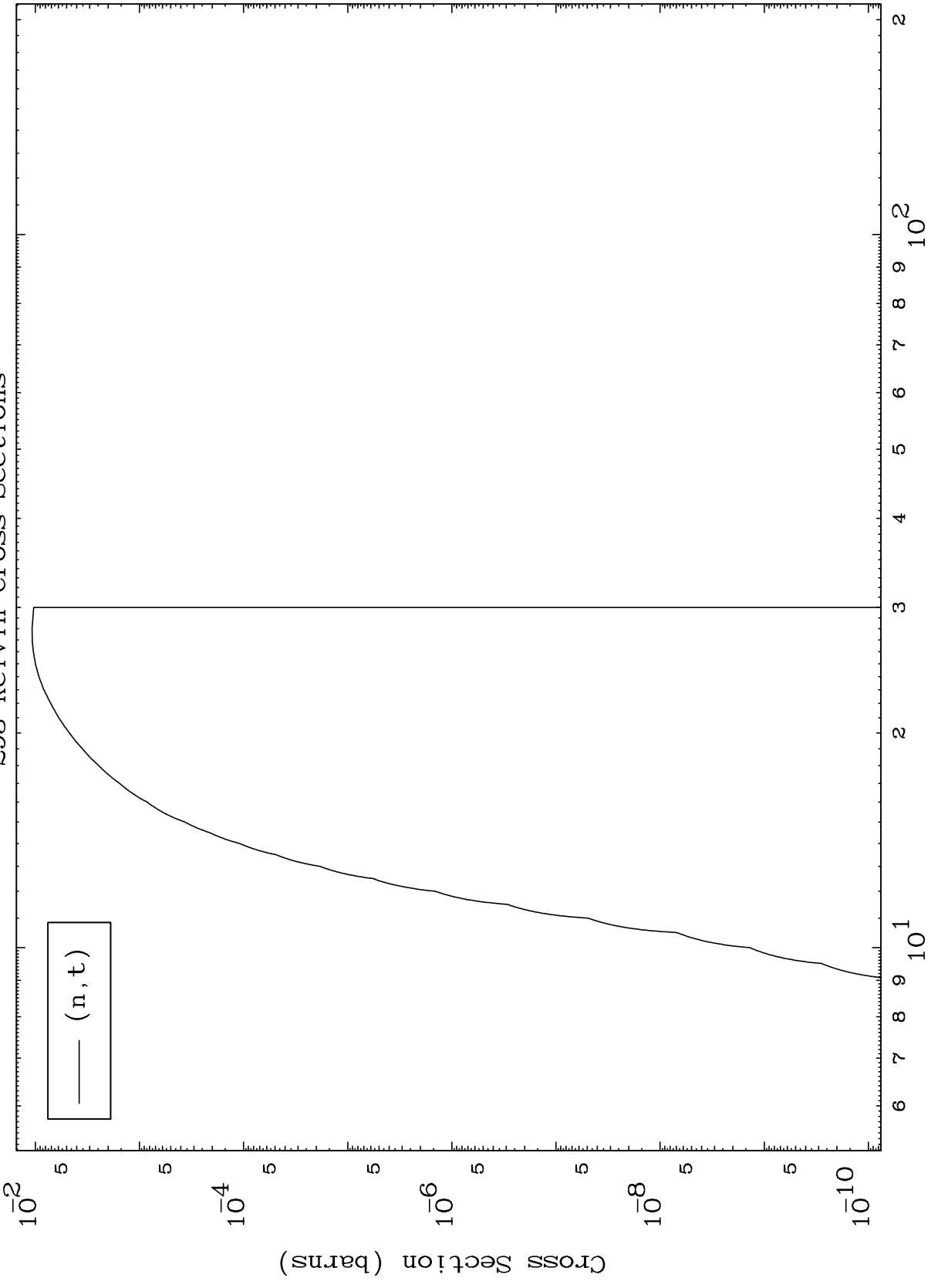
Incident Energy (MeV)

52-Te-119

MAT 5222

(n,t) Levels
293 Kelvin Cross Sections

52-Te-119



12

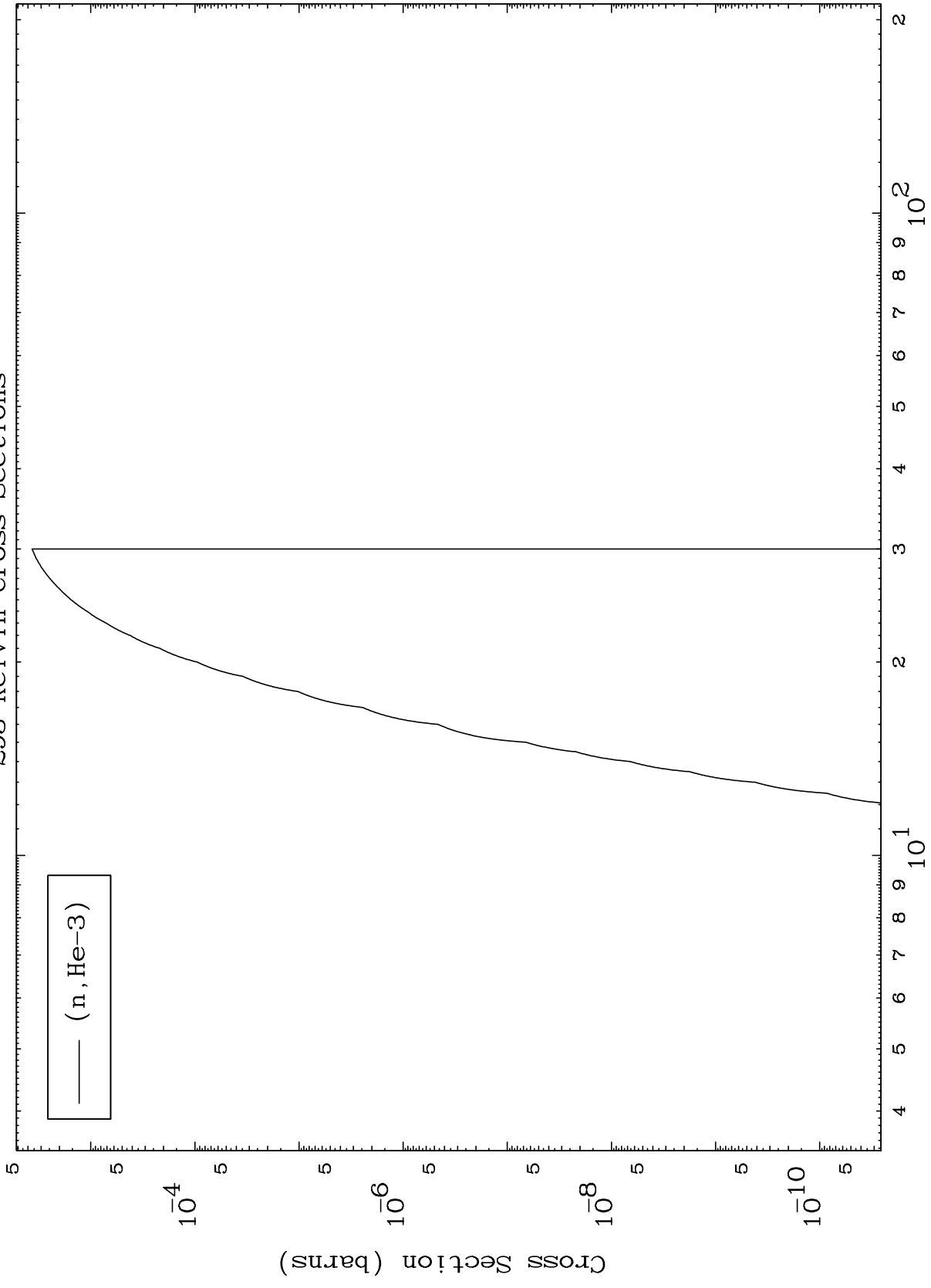
Incident Energy (MeV)

52-Te-119

MAT 5222

(n,He3) Levels
293 Kelvin Cross Sections

52-Te-119



13

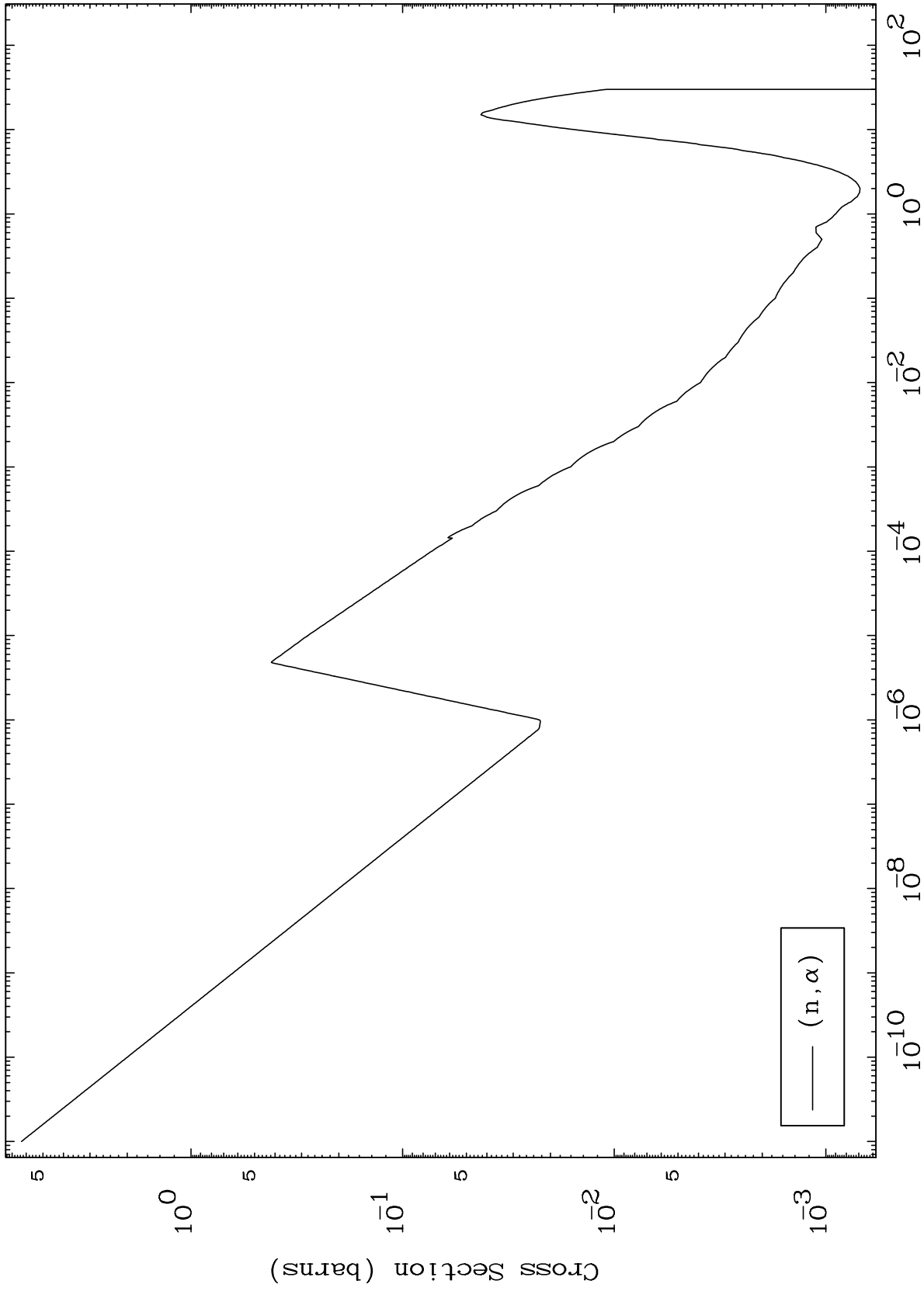
Incident Energy (MeV)

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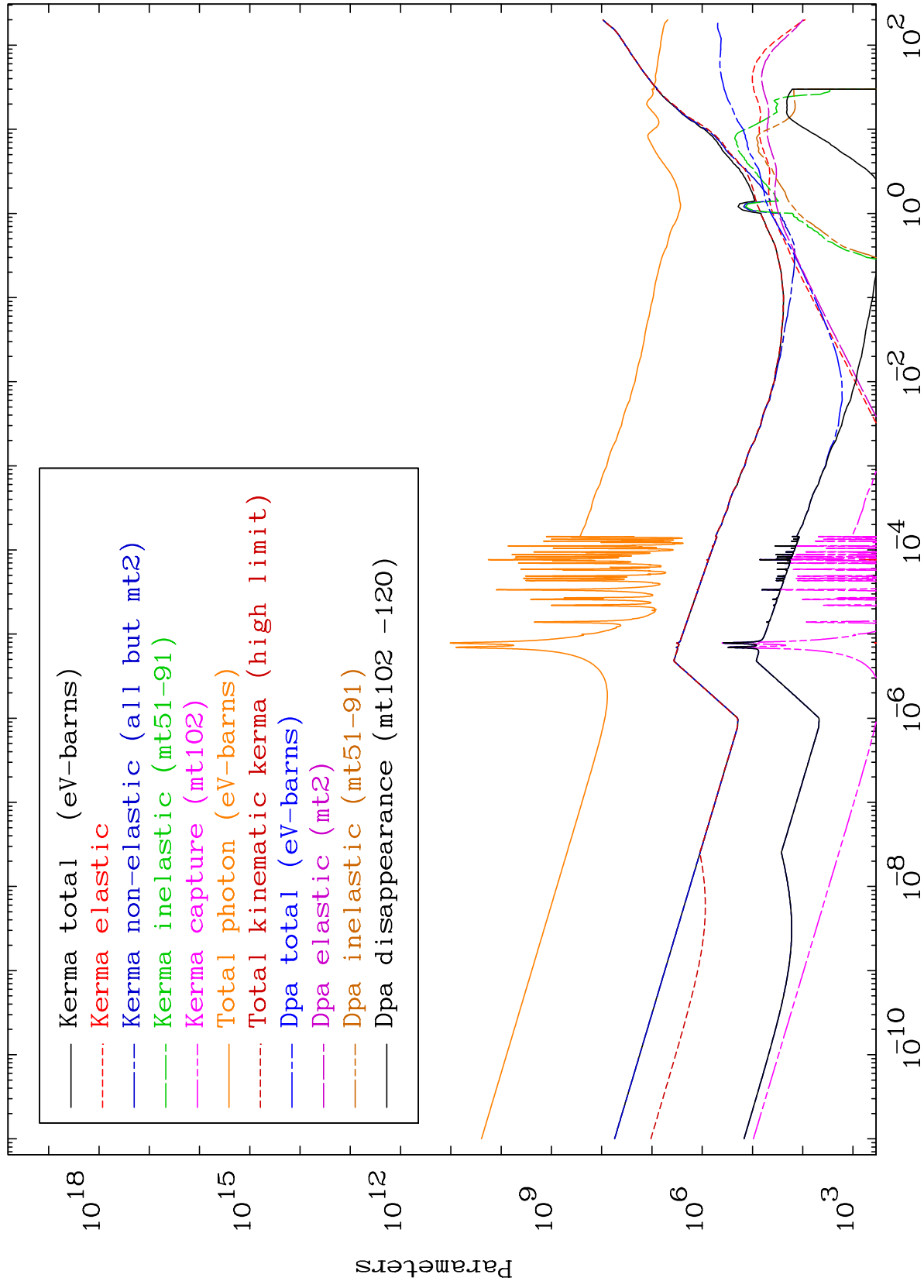
MAT 5222

(n, α) Levels
293 Kelvin Cross Sections

52-Te-119



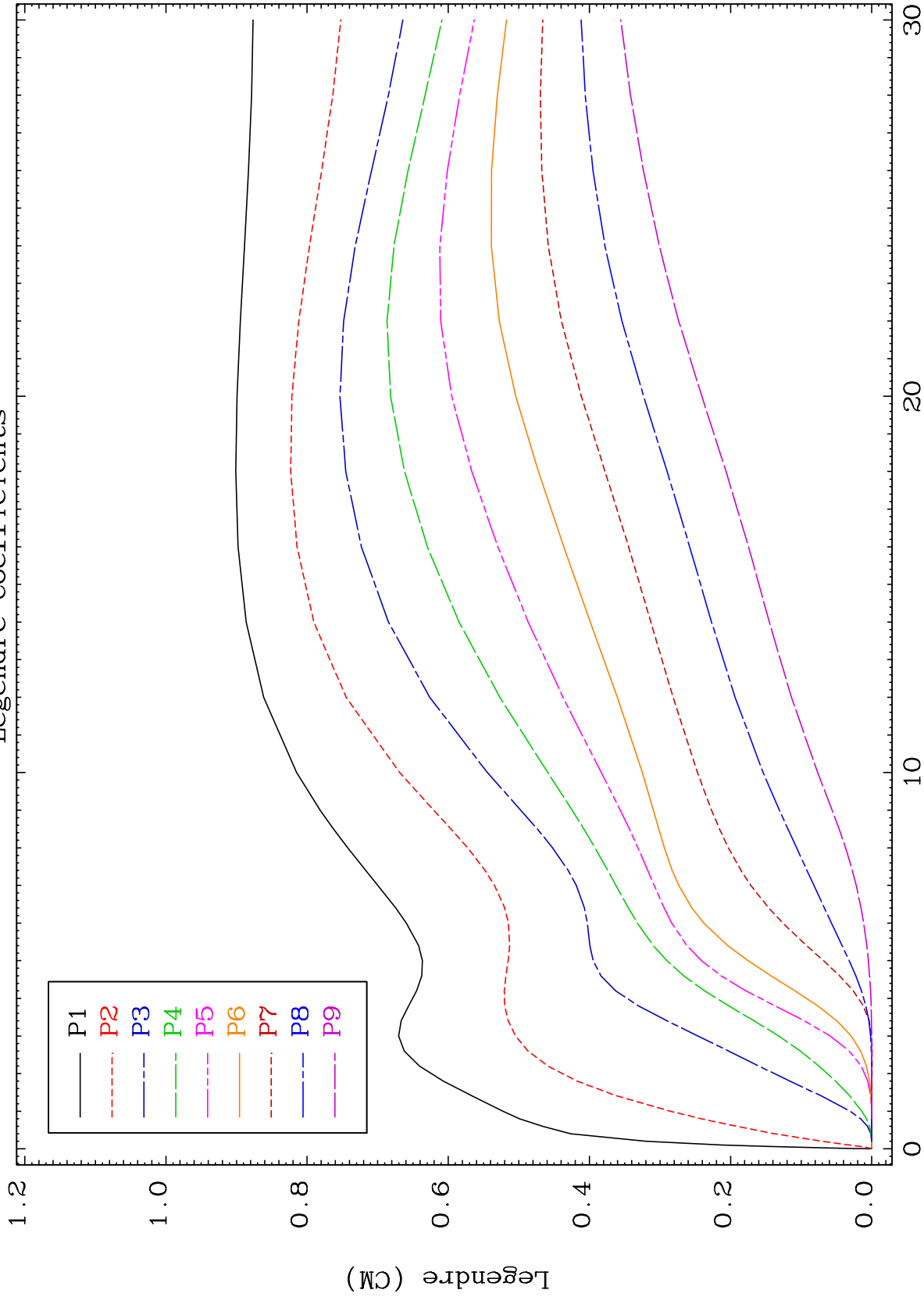
— (n, α)



MAT 5222

Elastic Legendre Coefficients

52-Te-119



52-Te-119

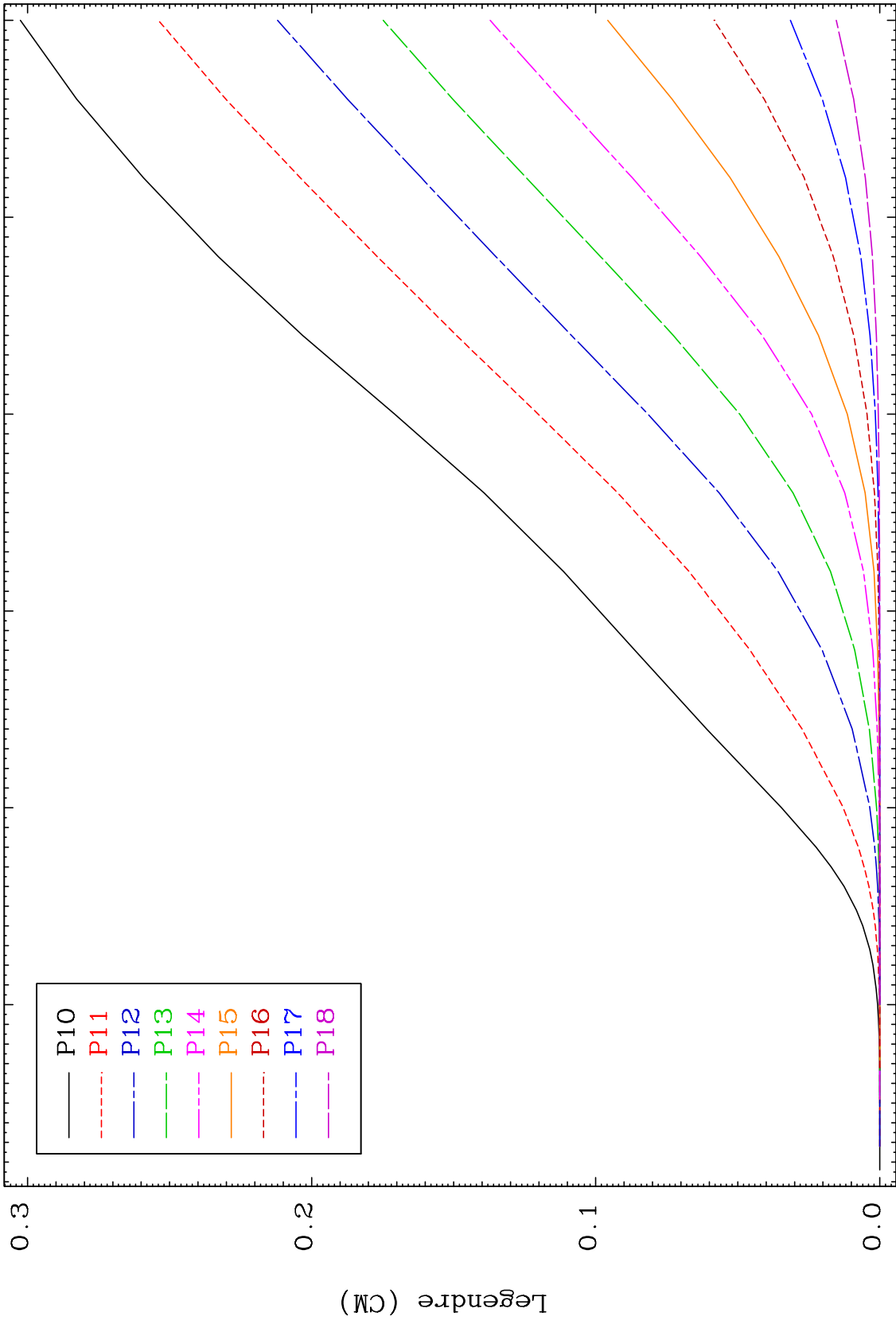
Incident Energy (MeV)

16

MAT 5222

Elastic Legendre Coefficients

52-Te-119



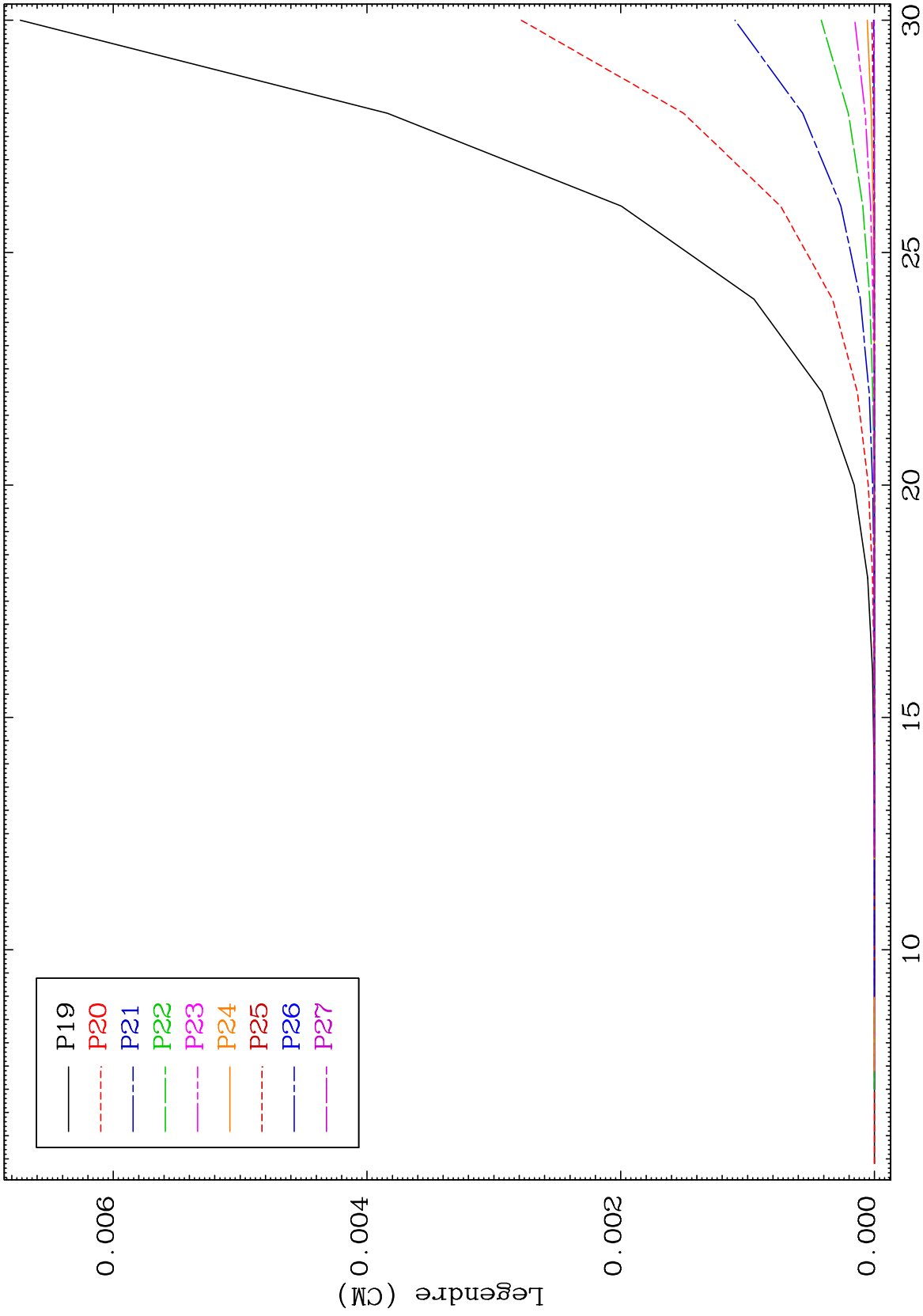
17

52-Te-119

MAT 5222

Elastic Legendre Coefficients

52-Te-119



18

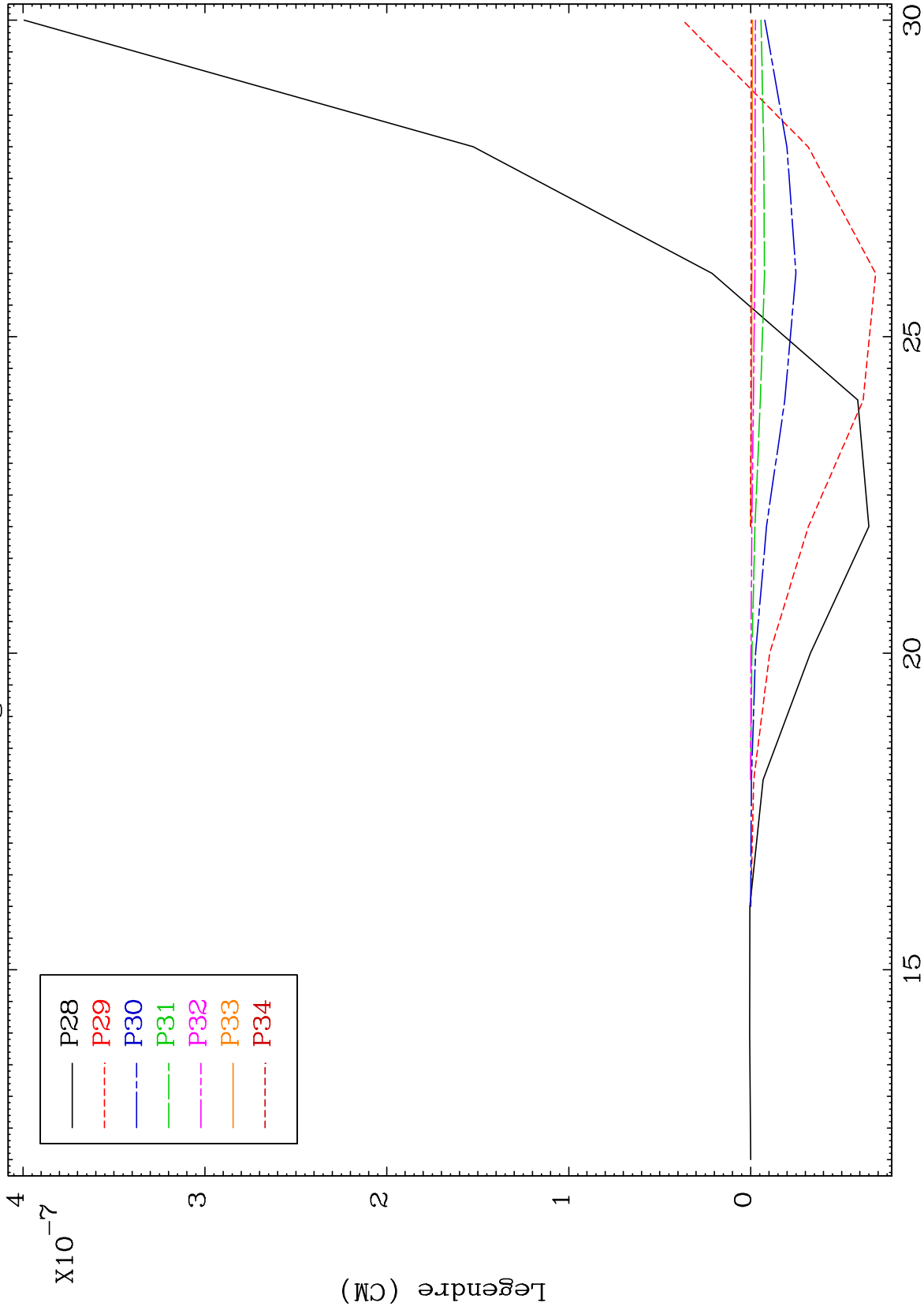
Incident Energy (MeV)

52-Te-119

MAT 5222

Elastic Legendre Coefficients

52-Te-119



19

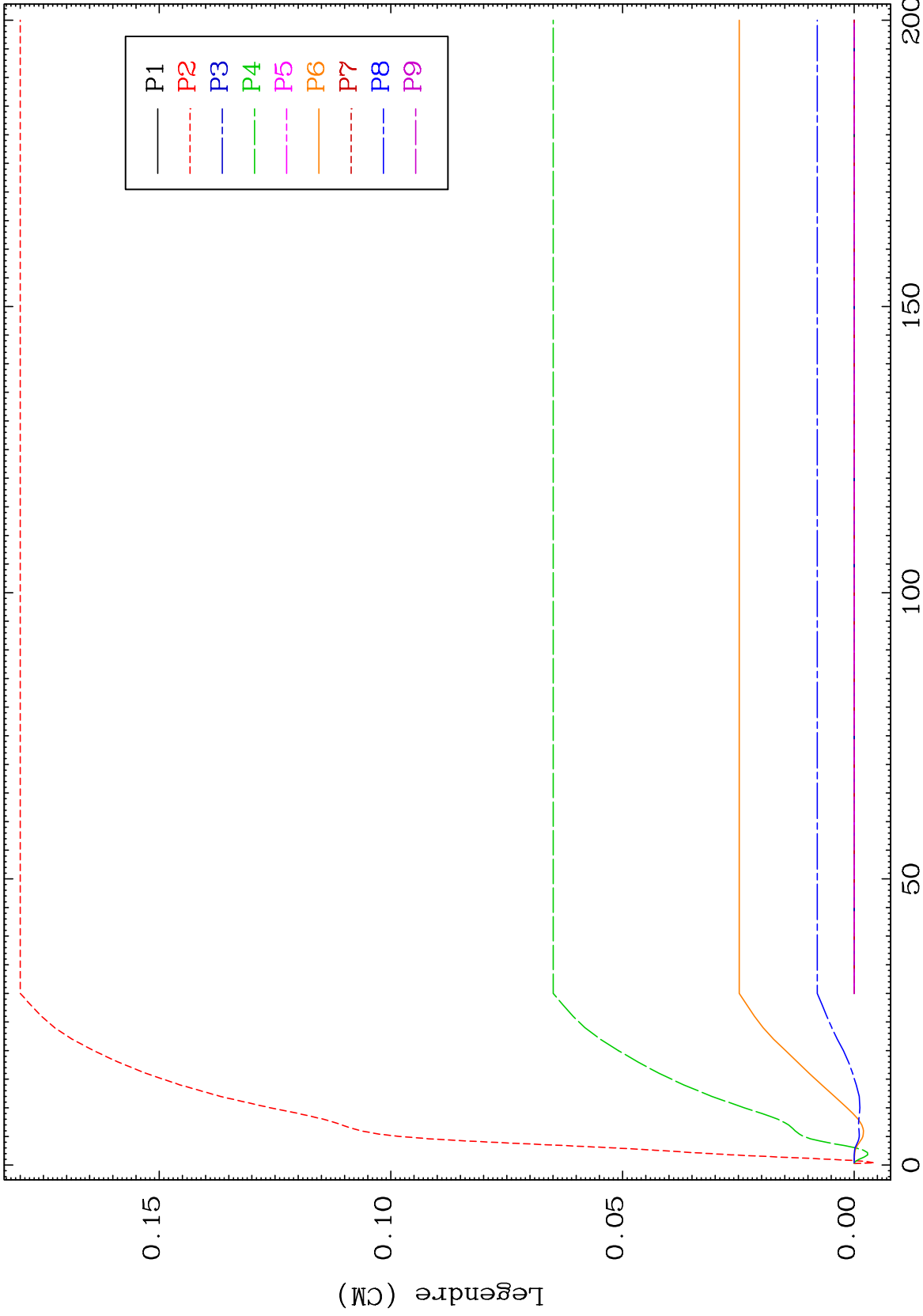
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



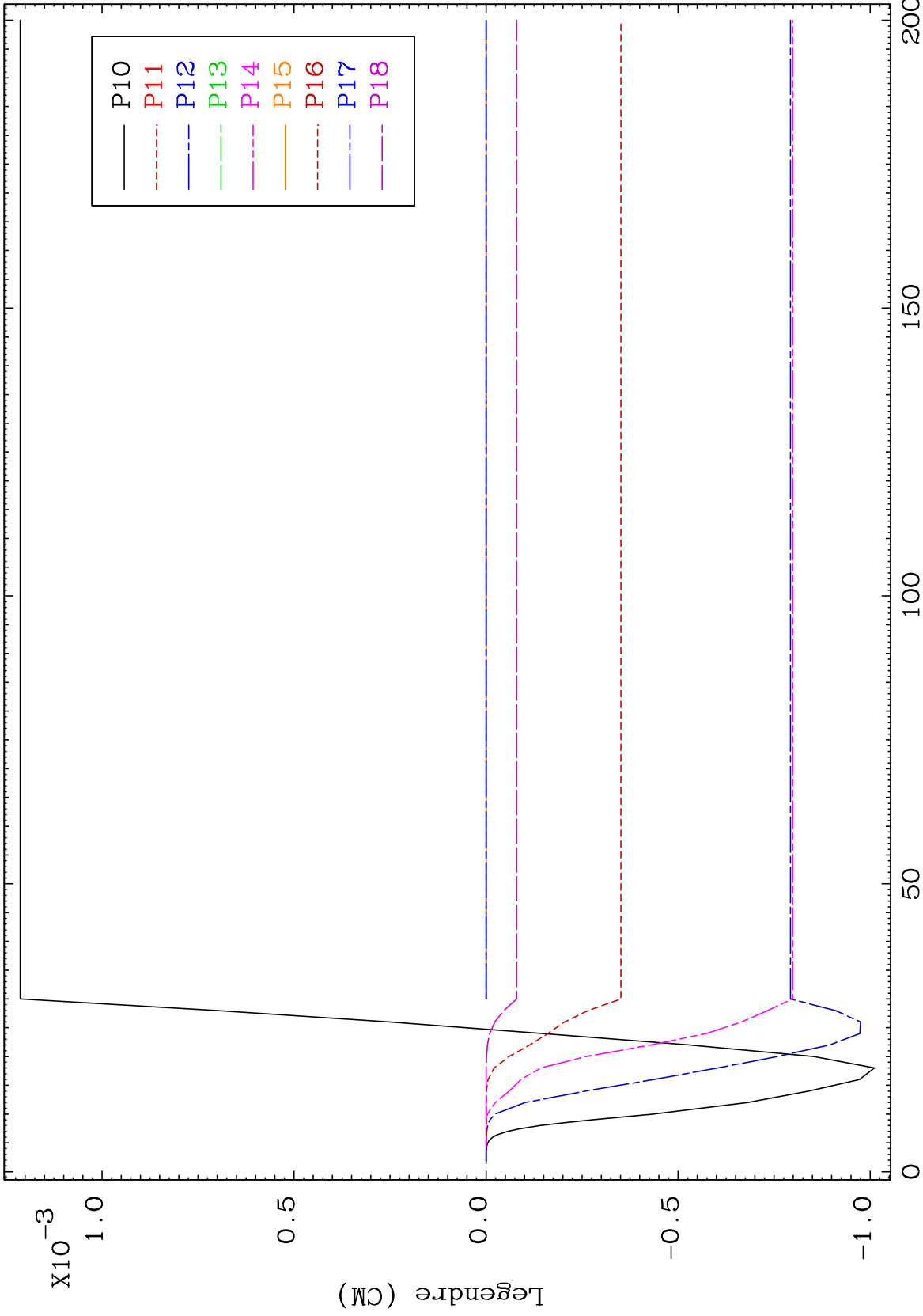
52-Te-119

Incident Energy (MeV)

MAT 5222

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

52-Te-119



21

52-Te-119

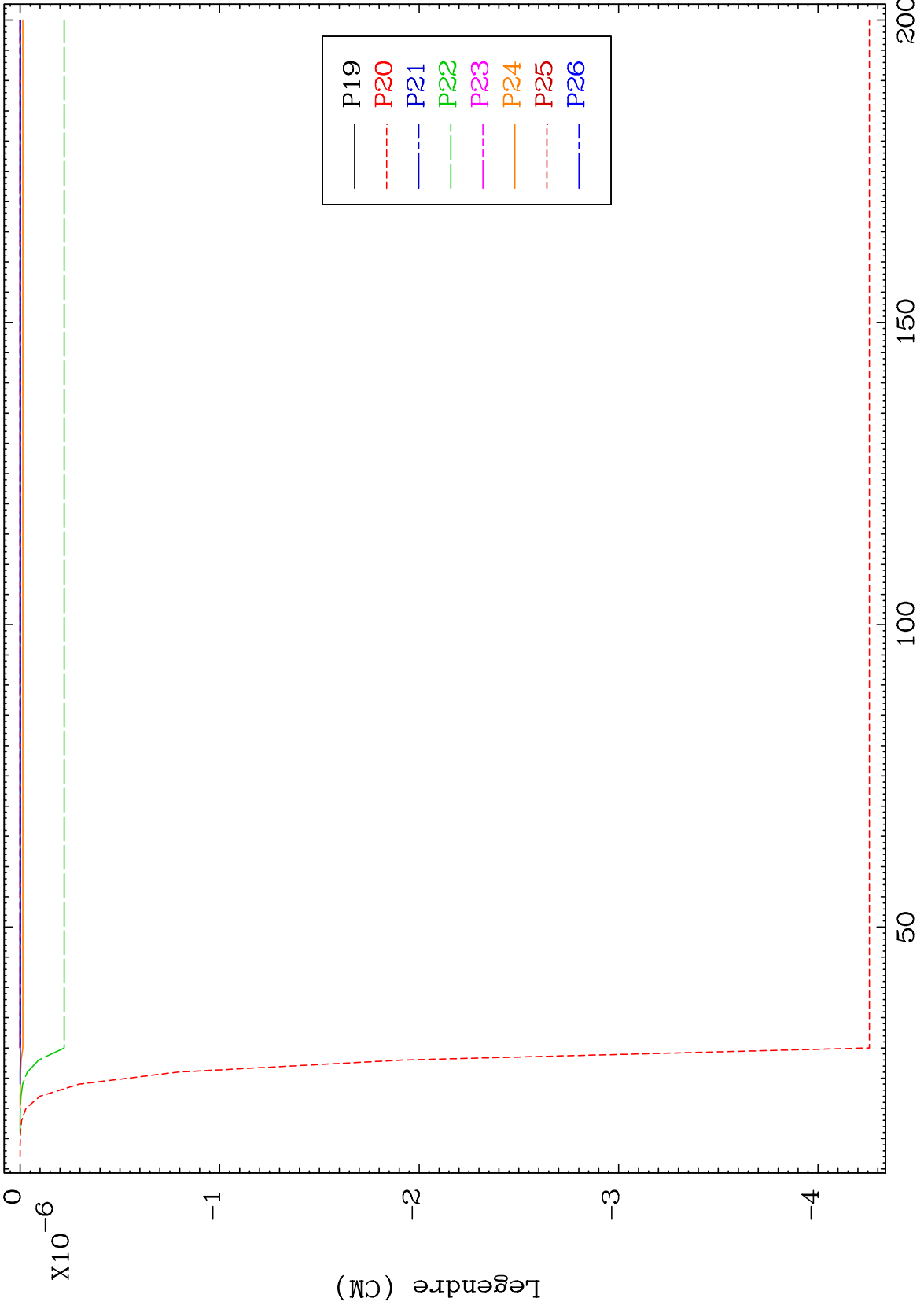
MAT 5222

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

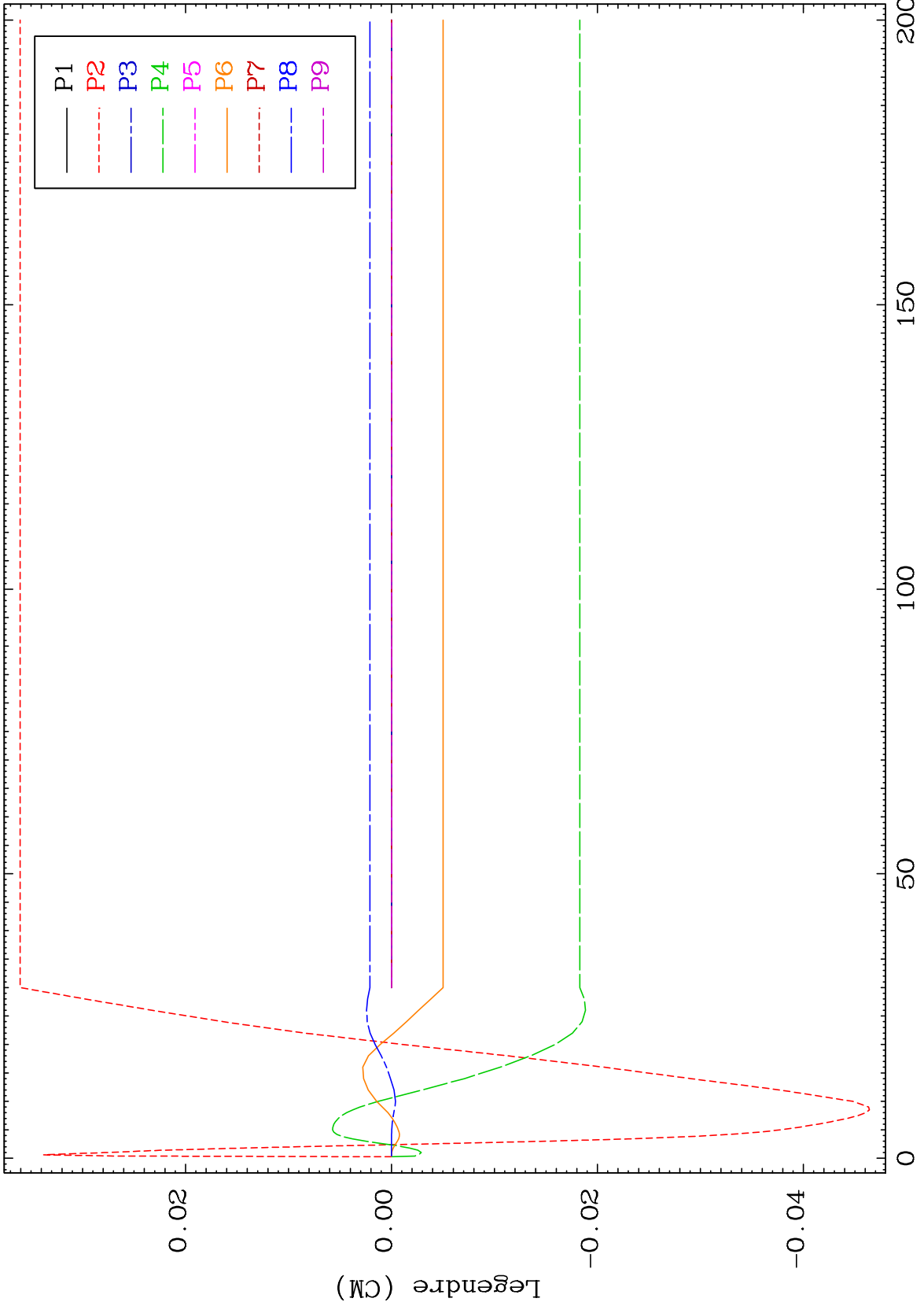
52-Te-119

Incident Energy (MeV)

22



MAT 5222 MT= 52 (n,n') Level Legendre Coefficients 52-Te-119

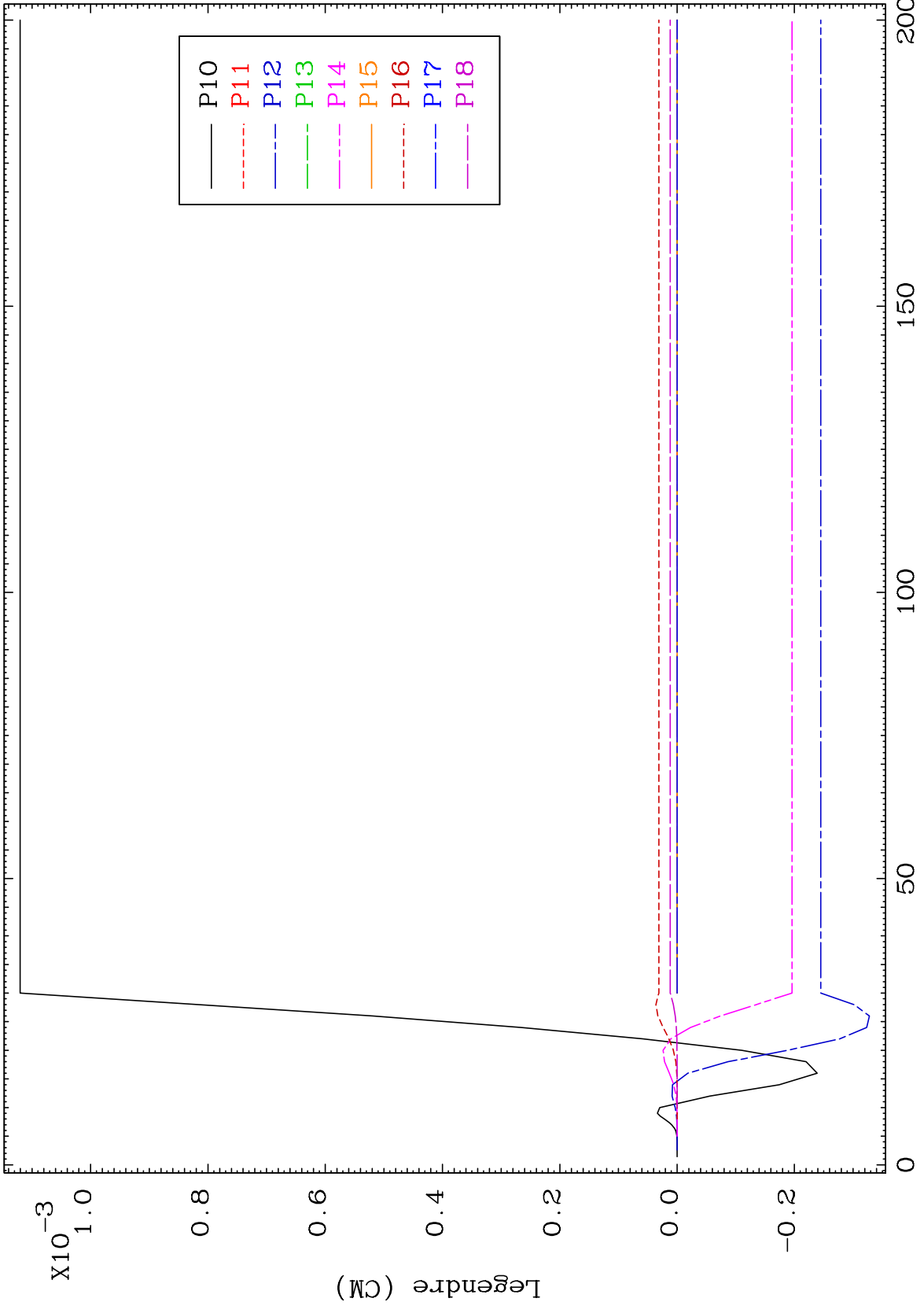


23 52-Te-119

MAT 5222

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

52-Te-119

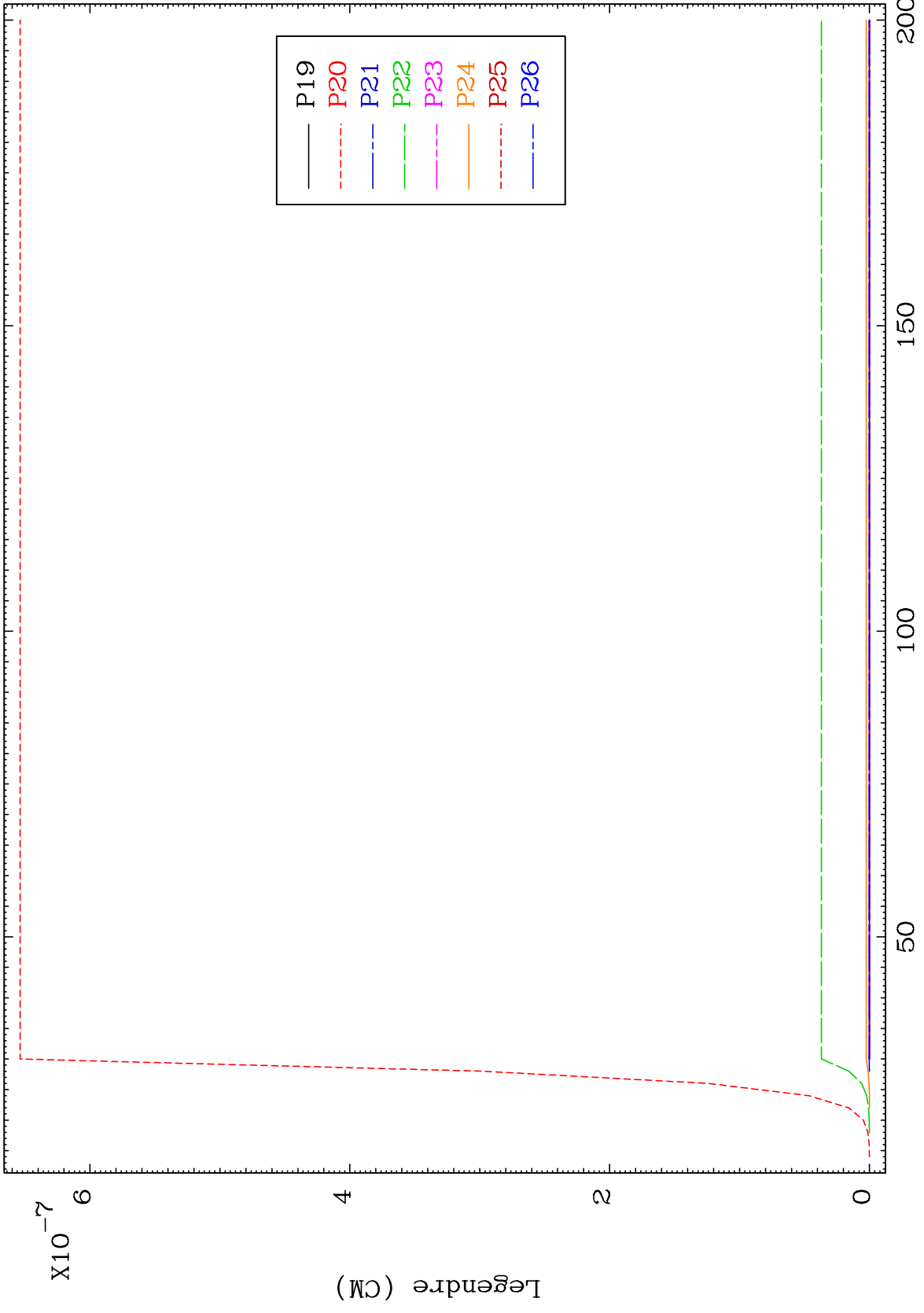


24

Incident Energy (MeV)

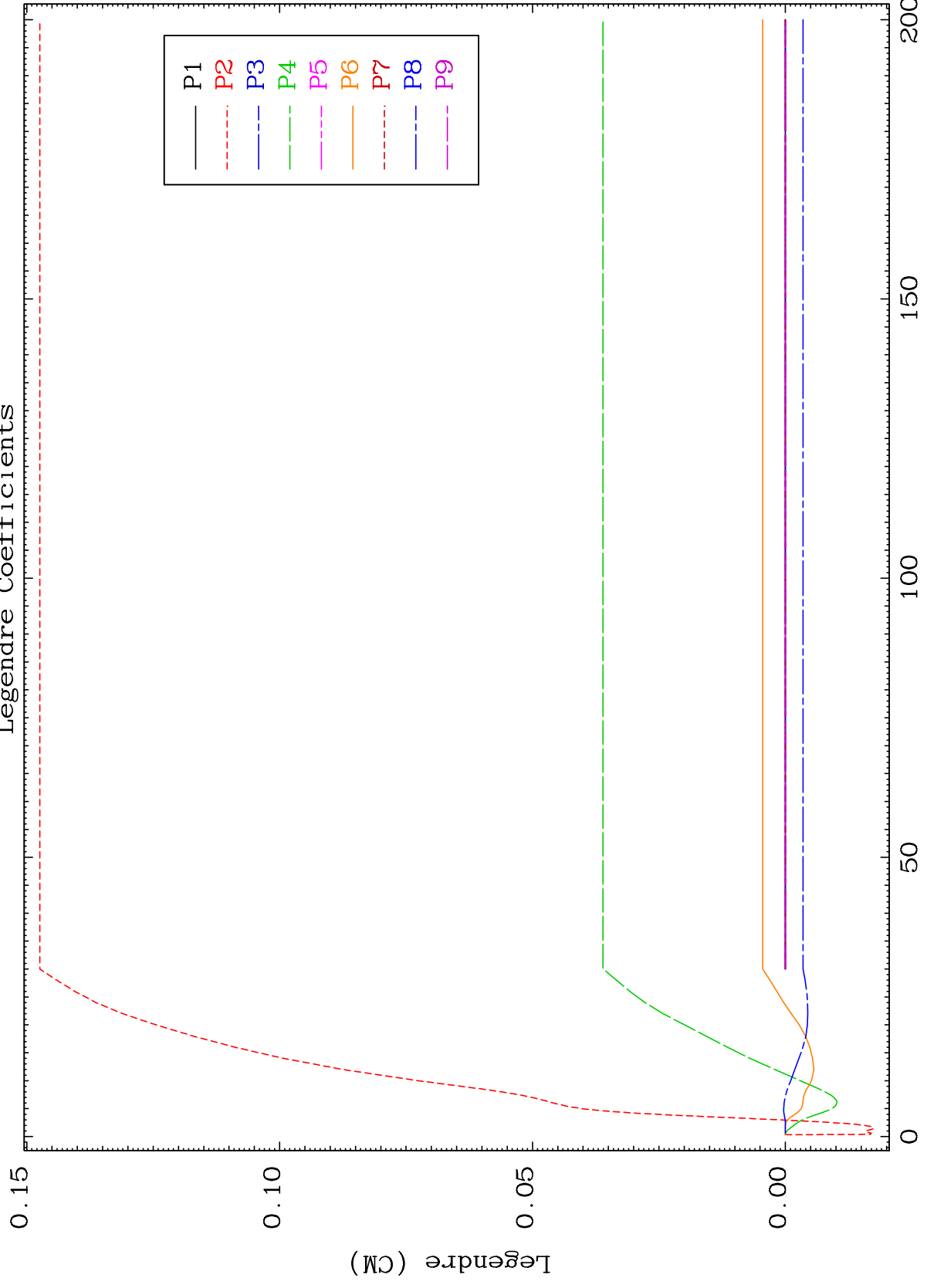
52-Te-119

MAT 5222 MT= 52 (n,n') Level Legendre Coefficients 52-Te-119



52-Te-119

MAT 5222 MT= 53 (n,n') Level Legendre Coefficients 52-Te-119

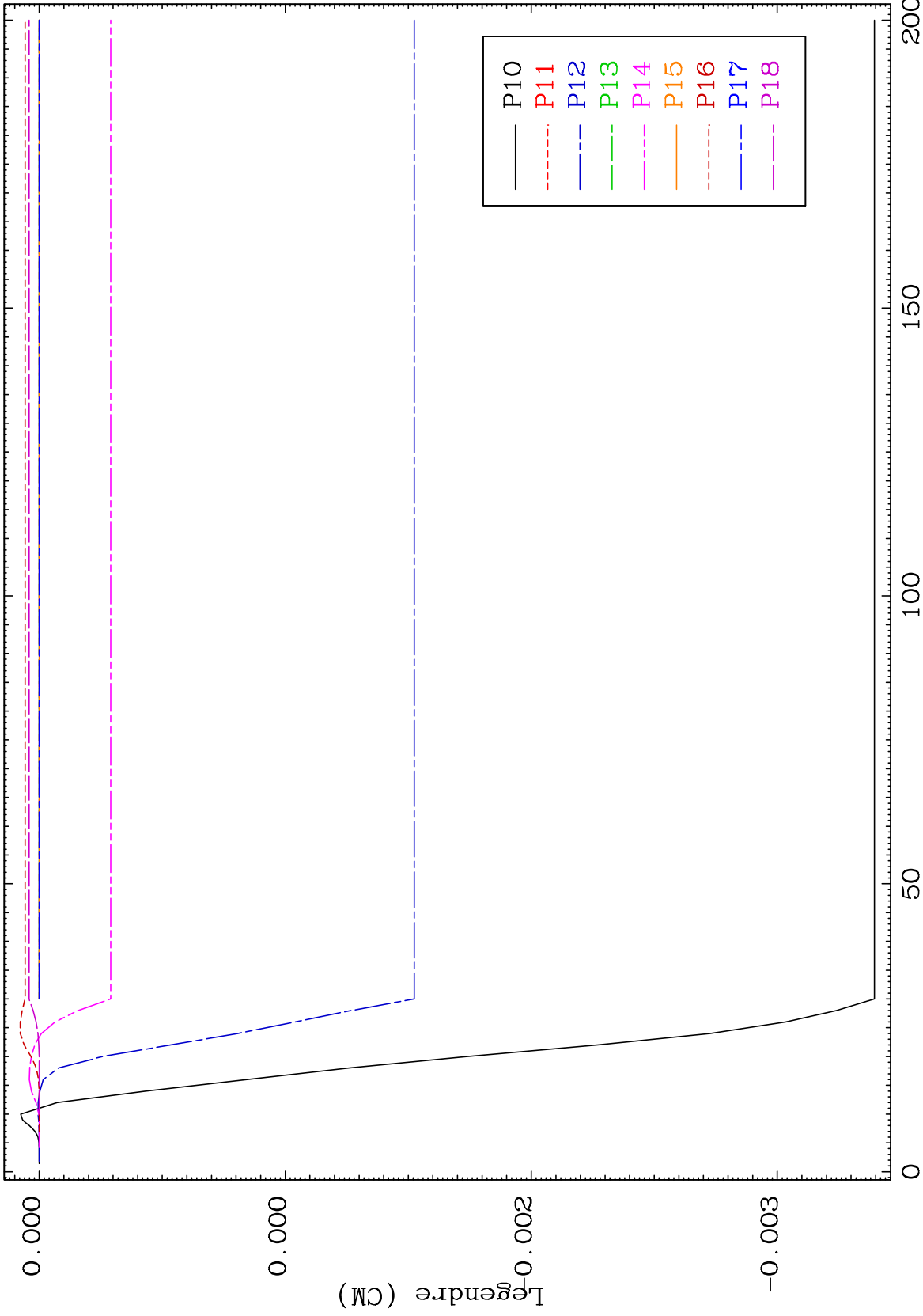


26 52-Te-119

MAT 5222

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

52-Te-119

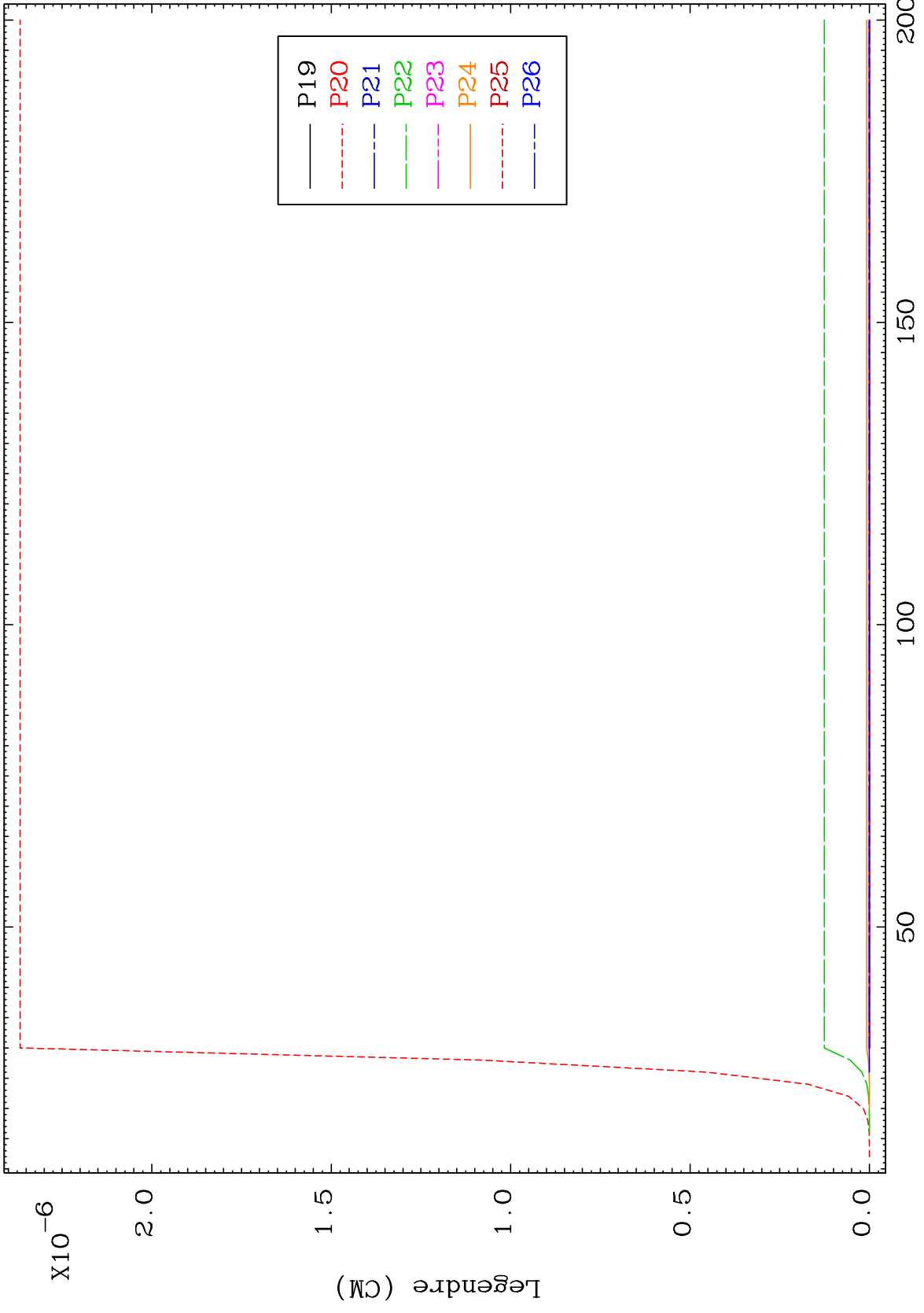


27

Incident Energy (MeV)

52-Te-119

MAT 5222 MT= 53 (n,n') Level Legendre Coefficients 52-Te-119

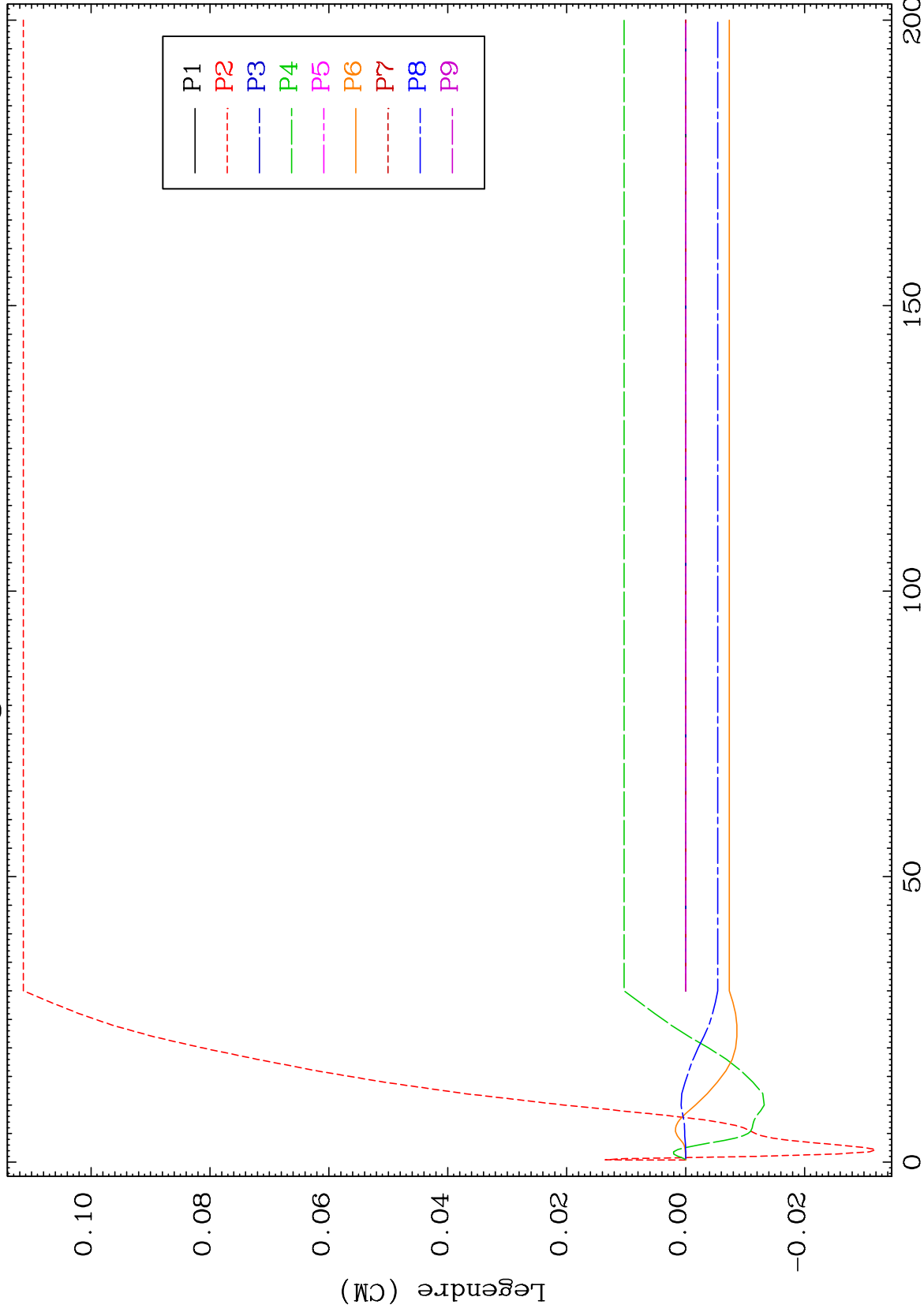


28 Incident Energy (MeV) 52-Te-119

MAT 5222

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

52-Te-119



29

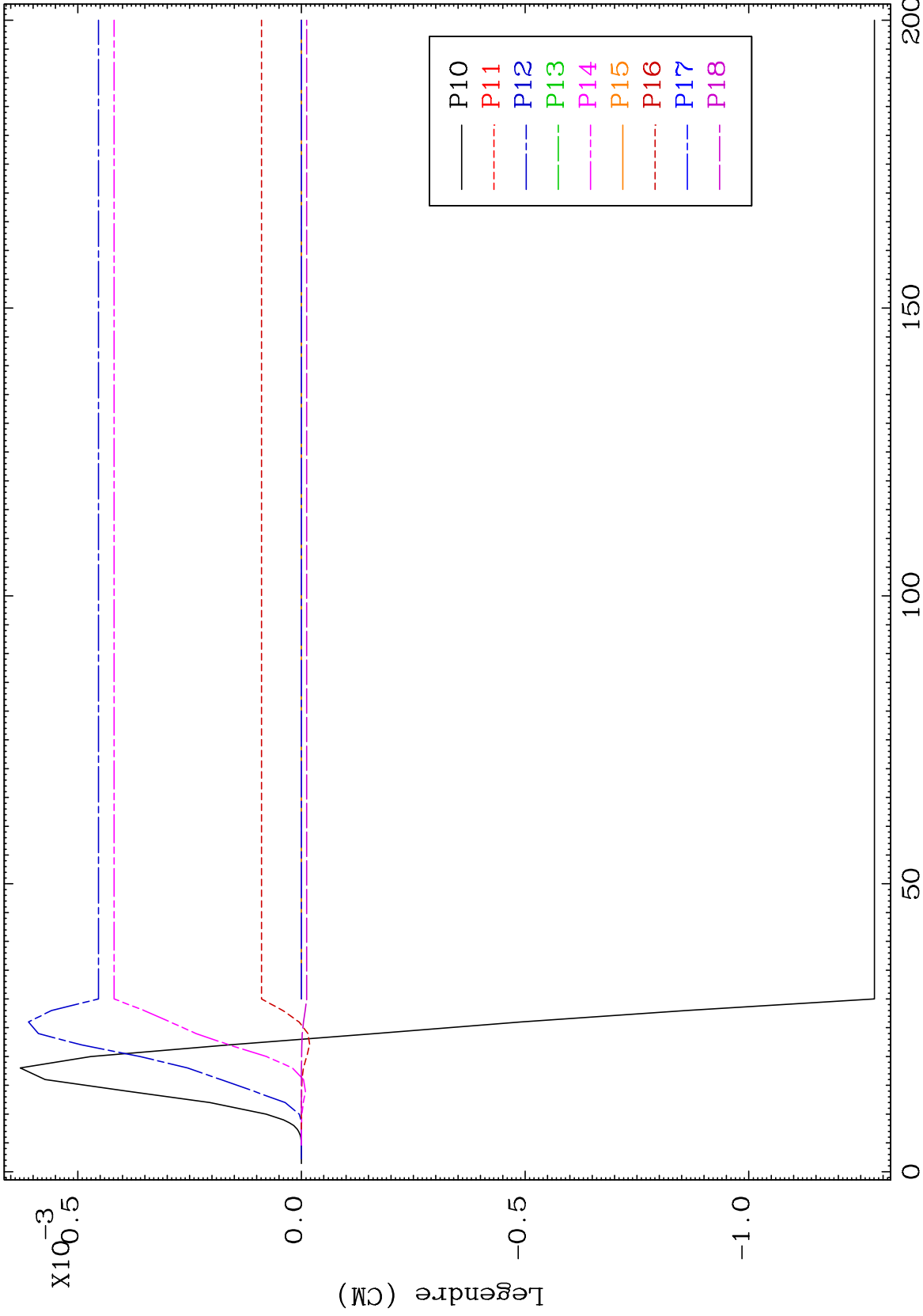
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



30

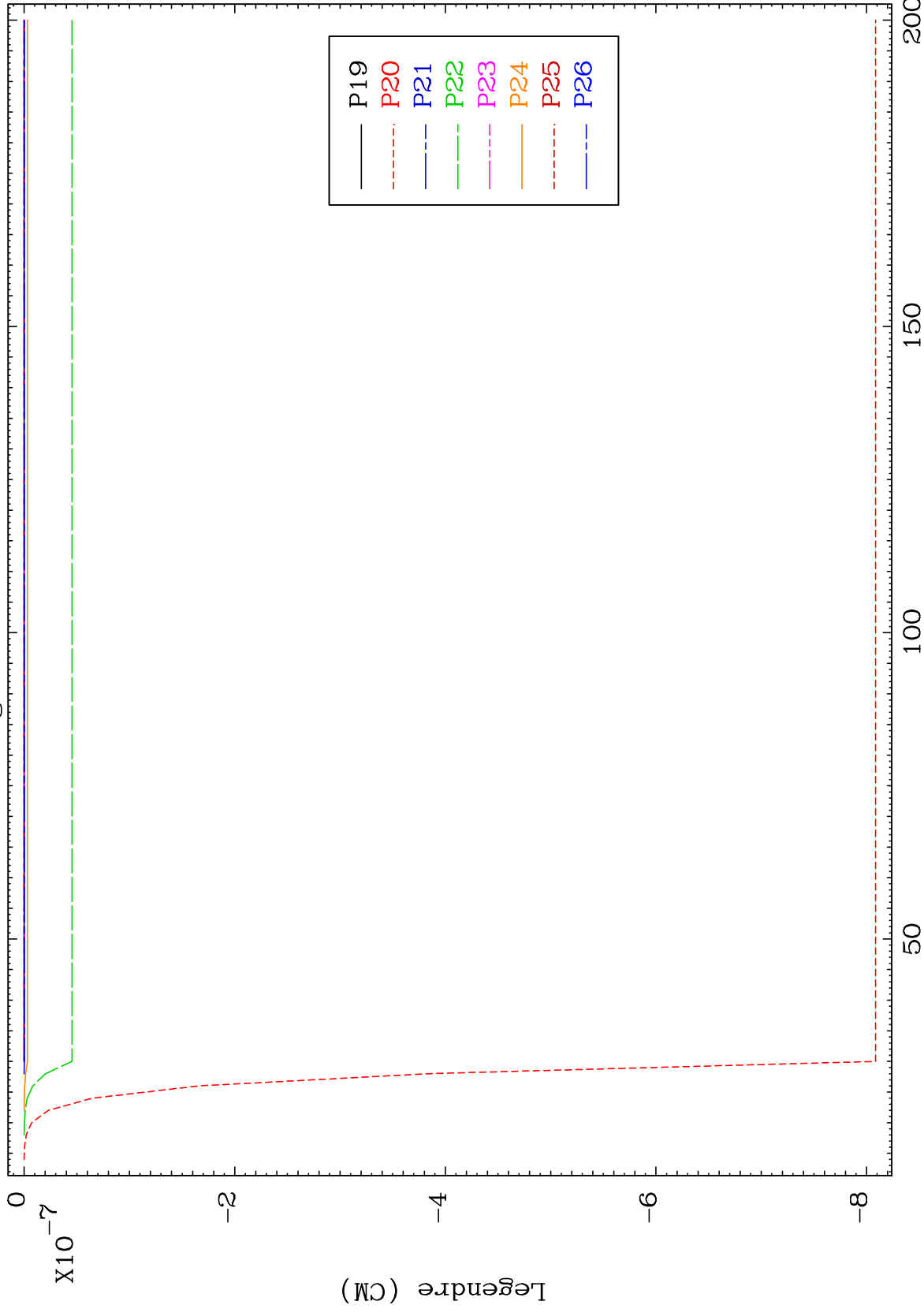
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



52-Te-119

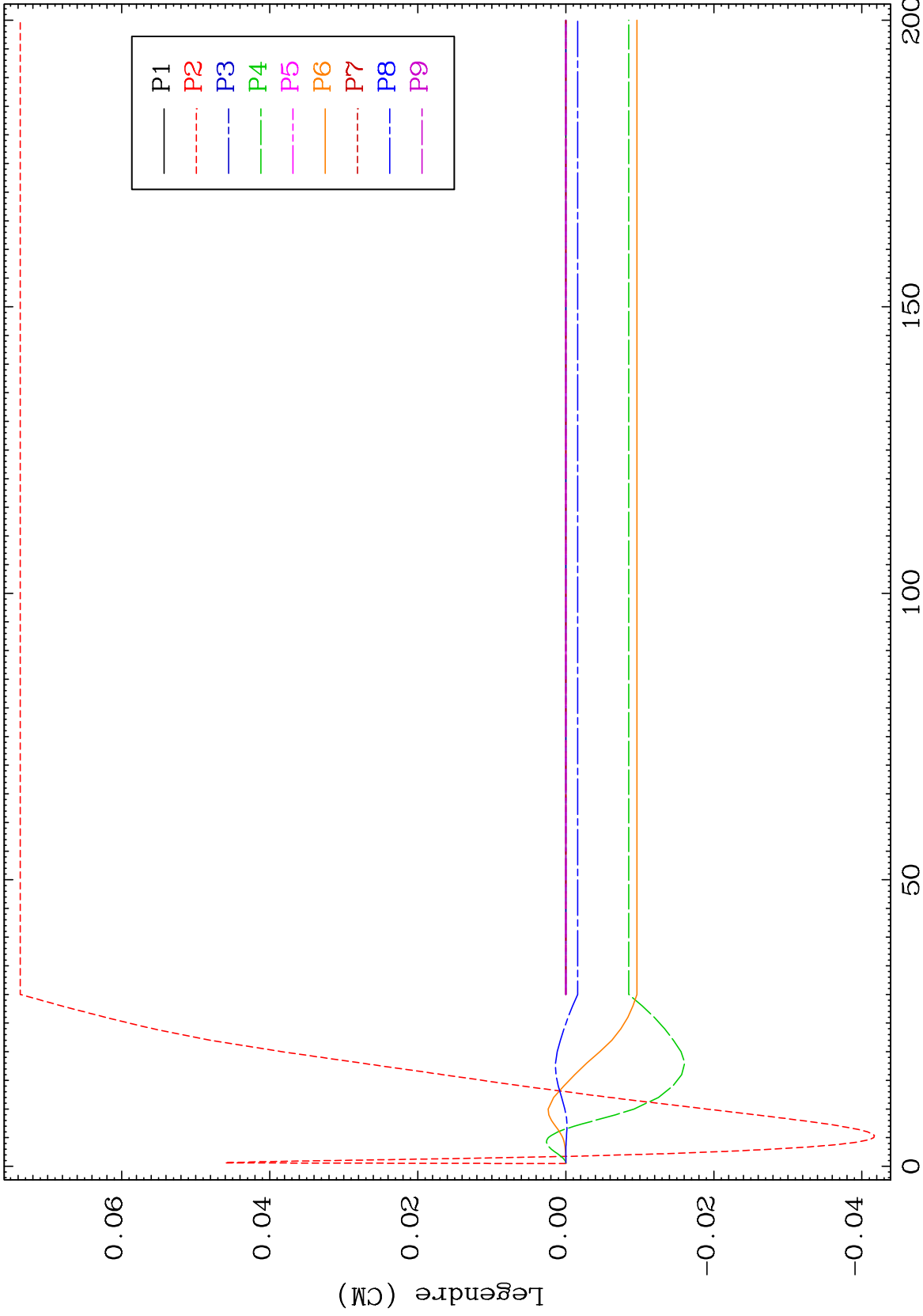
Incident Energy (MeV)

31

MAT 5222

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

52-Te-119



32

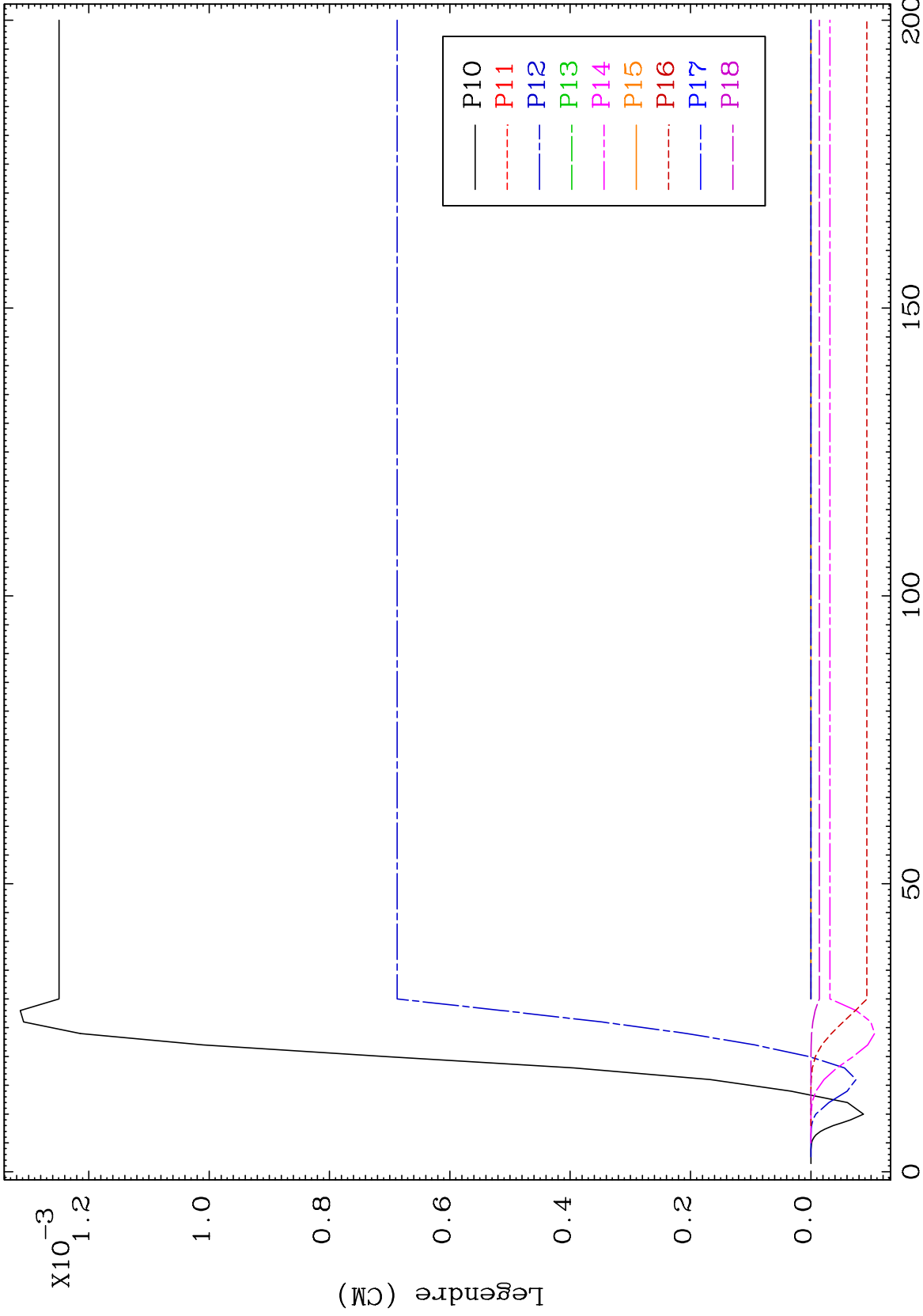
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



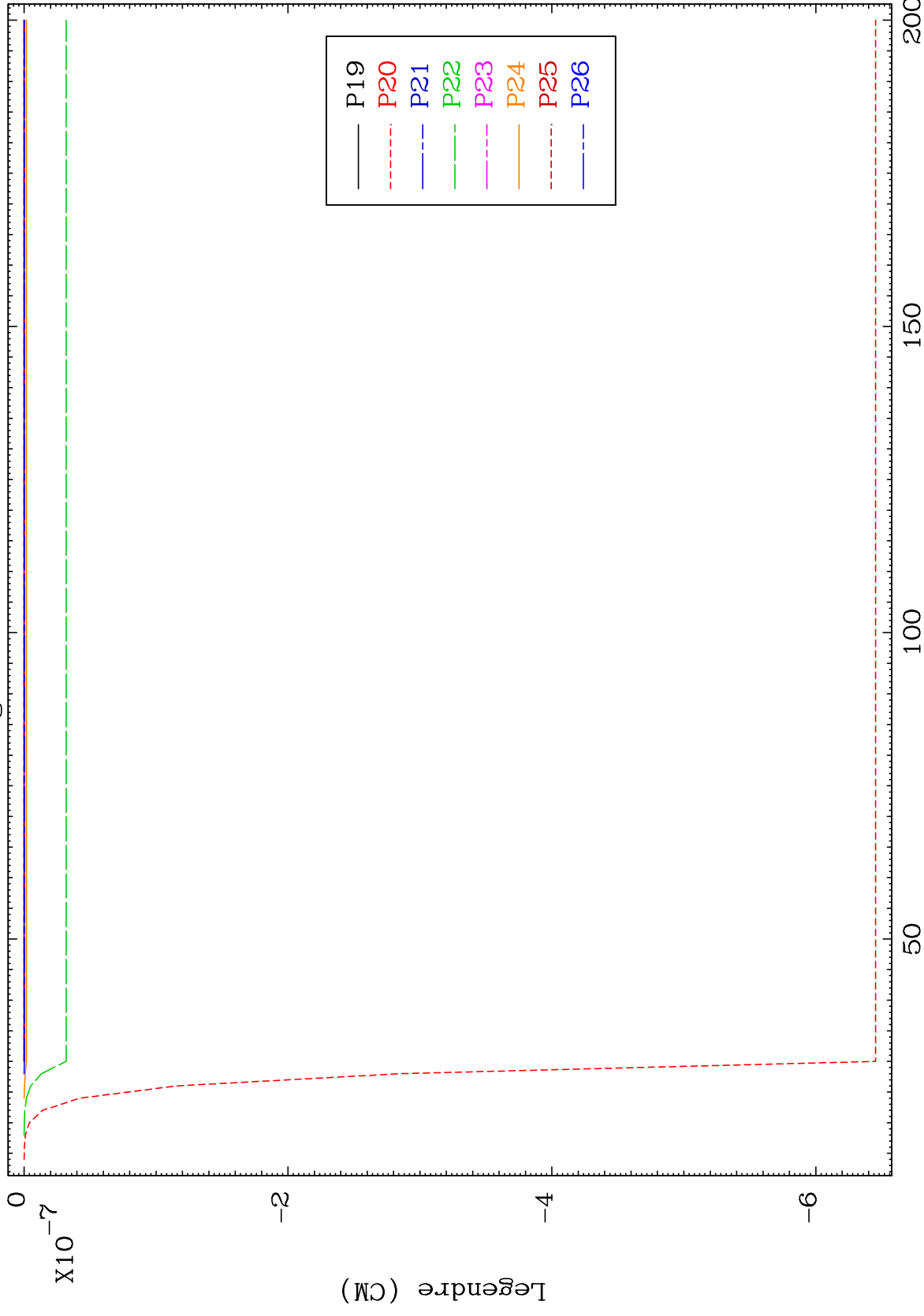
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52-Te-119

MAT 5222

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

52-Te-119

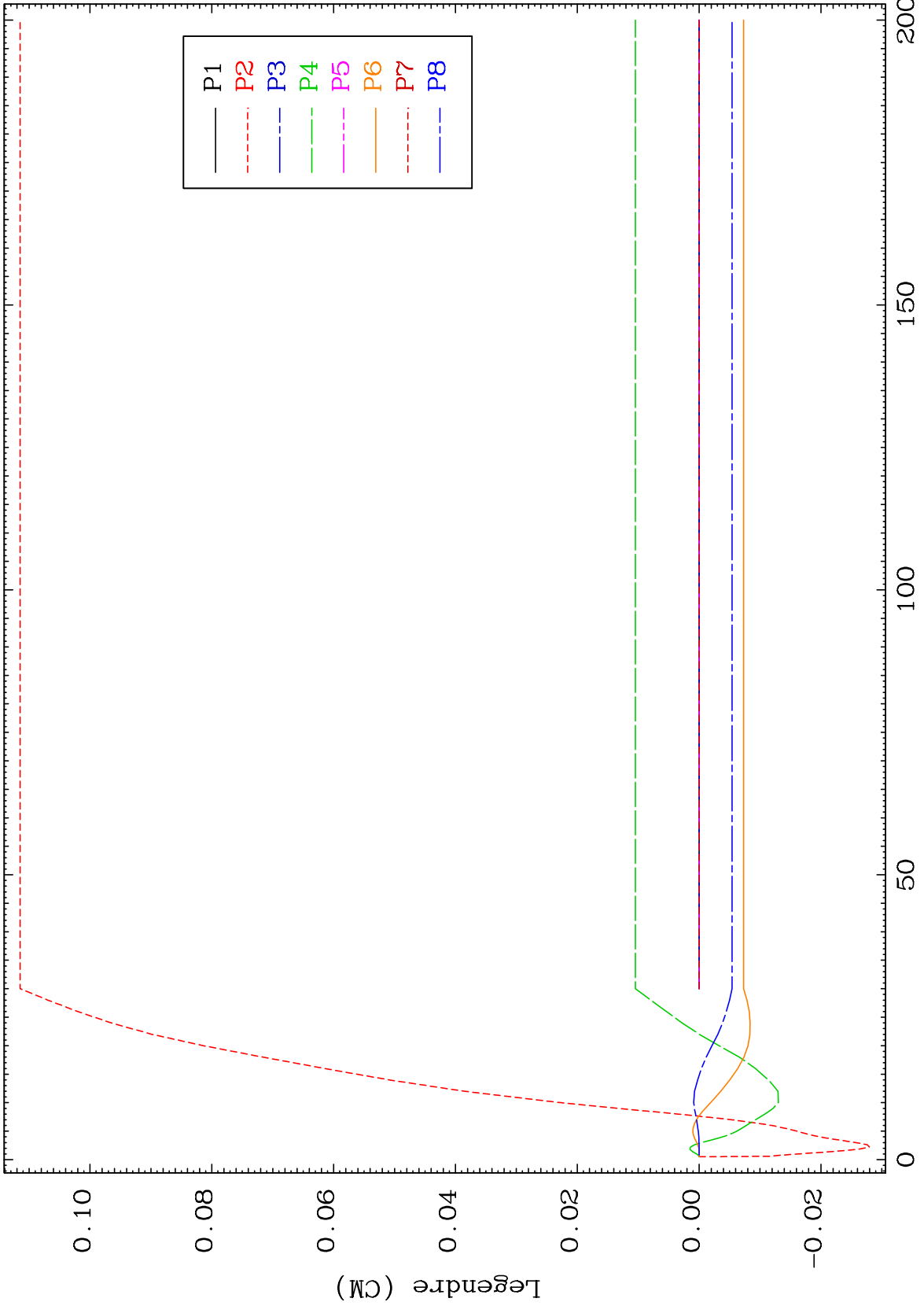


52-Te-119

Incident Energy (MeV)

34

MAT 5222 MT= 56 (n,n') Level Legendre Coefficients 52-Te-119

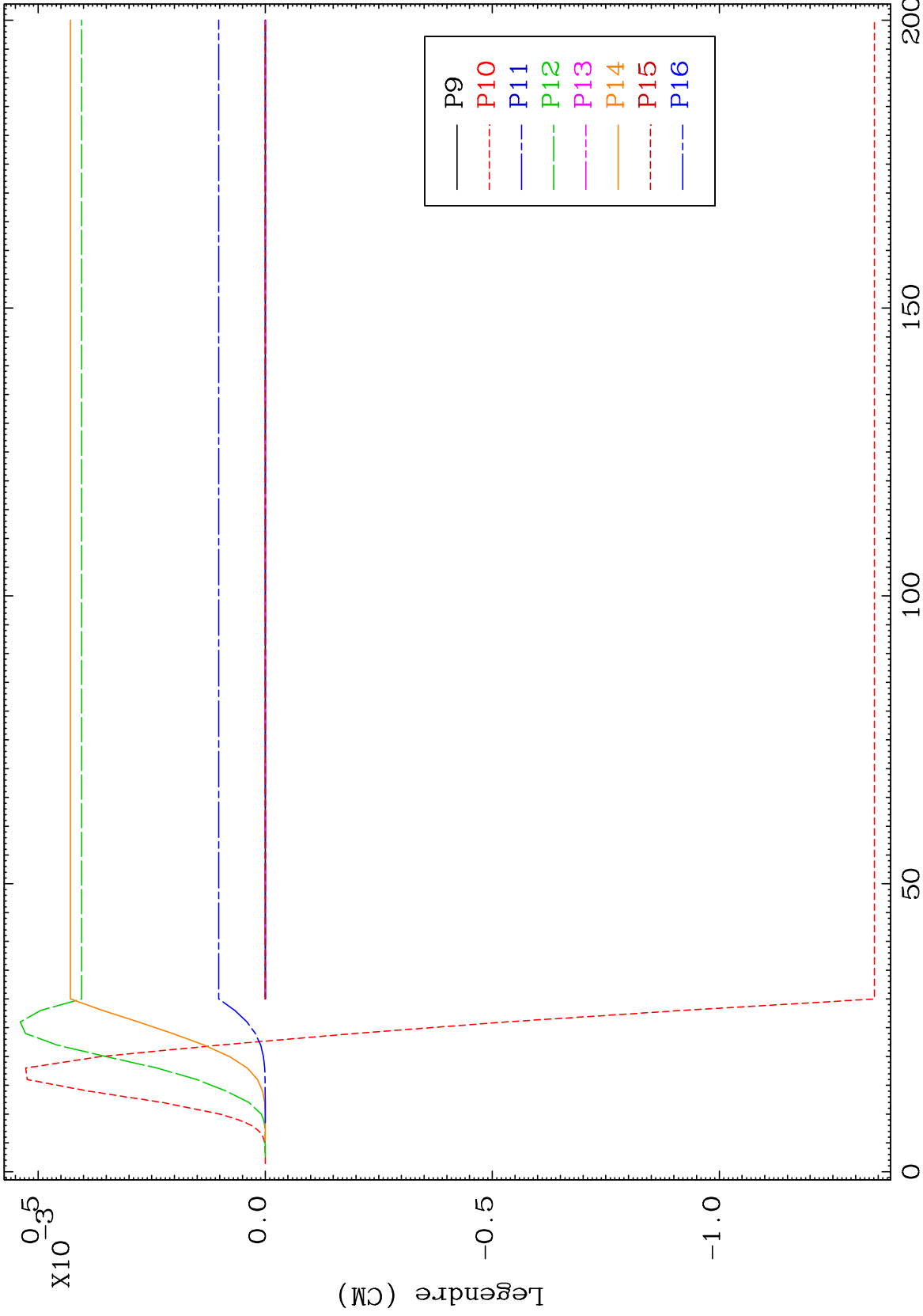


35 Incident Energy (MeV) 52-Te-119

MAT 5222

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

52-Te-119

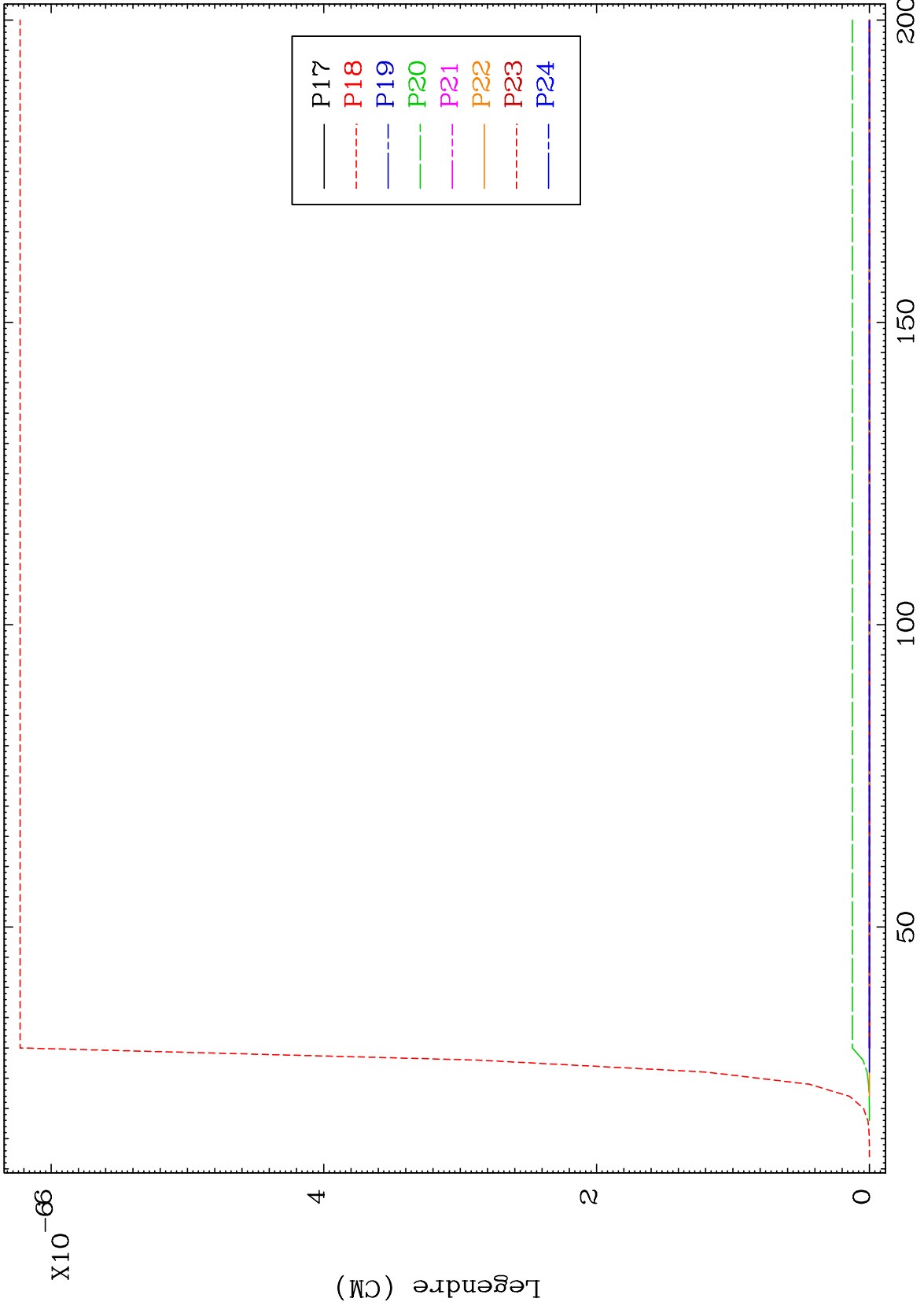


36

Incident Energy (MeV)

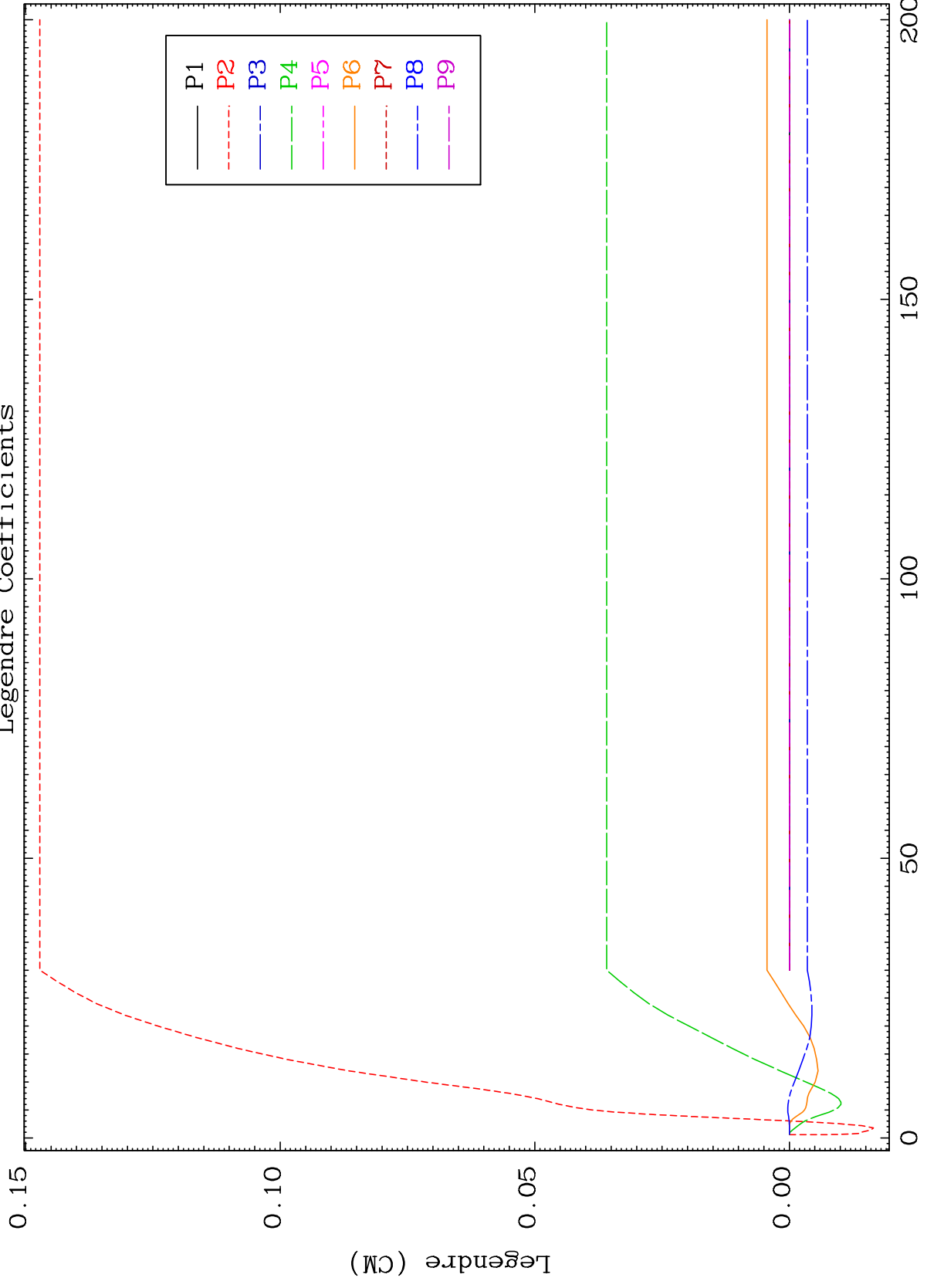
52-Te-119

MAT 5222 MT= 56 (n,n') Level Legendre Coefficients 52-Te-119



37 Incident Energy (MeV) 52-Te-119

MAT 5222 MT= 57 (n,n') Level Legendre Coefficients 52-Te-119

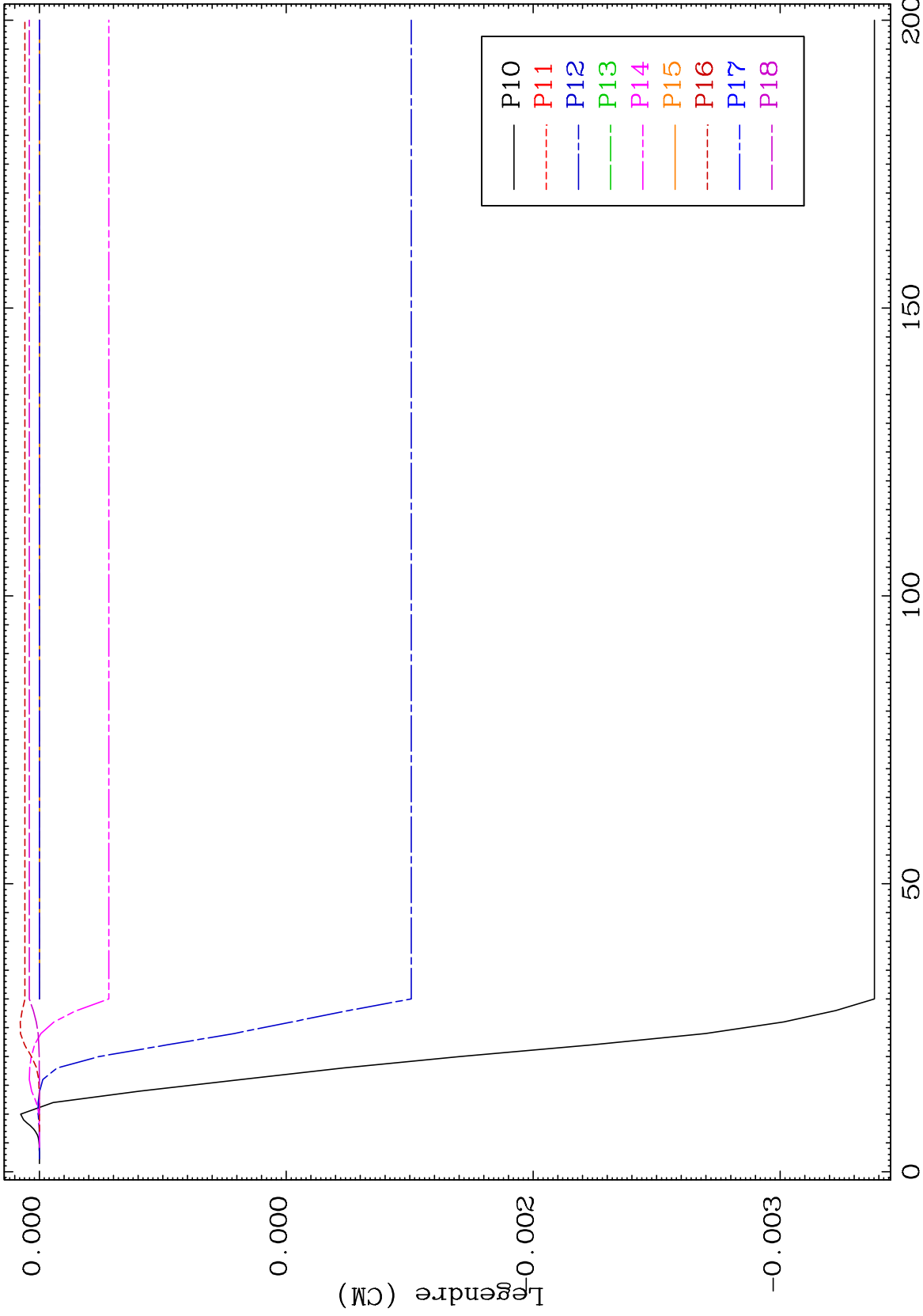


38 52-Te-119

MAT 5222

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

52-Te-119

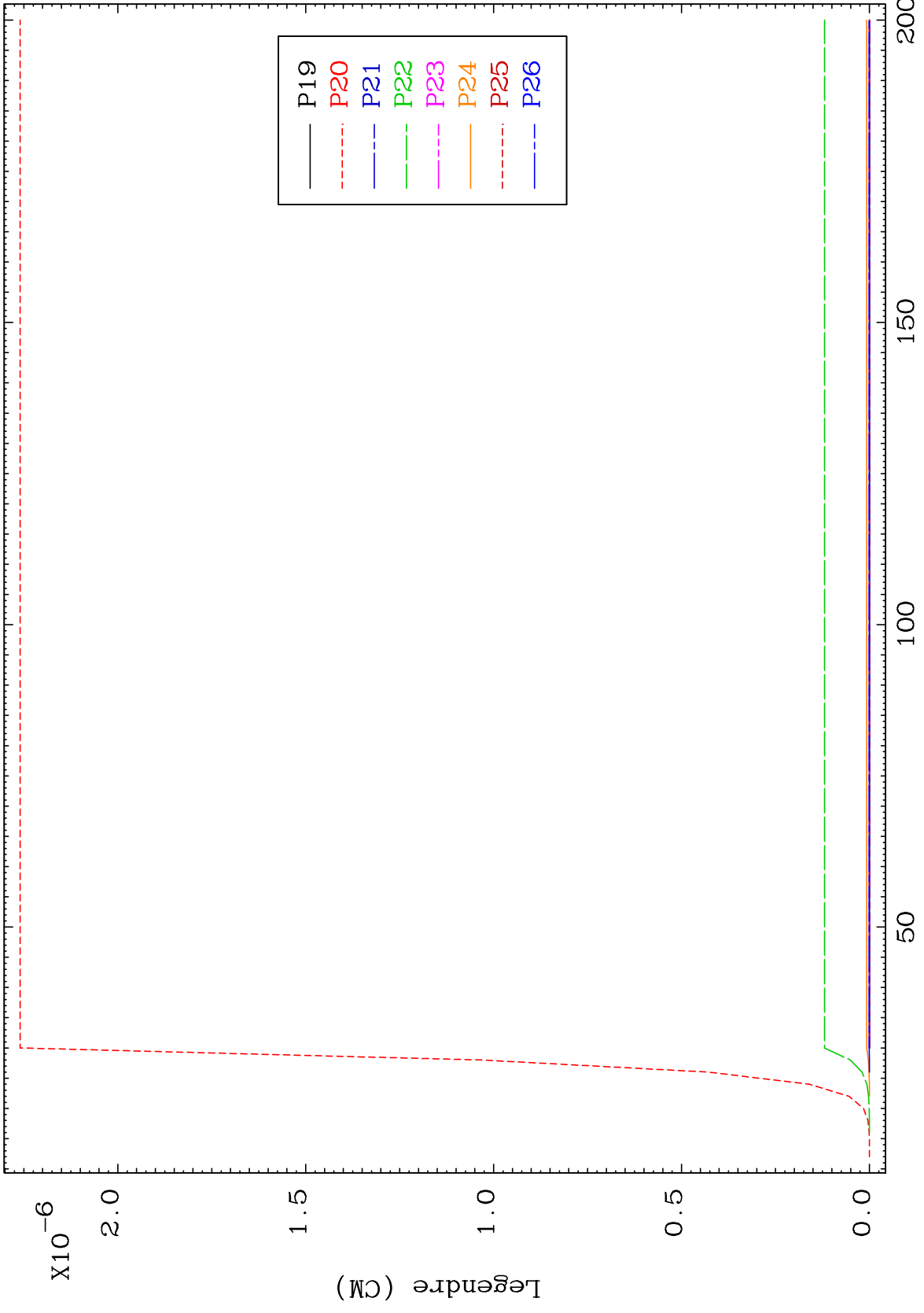


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Incident Energy (MeV)

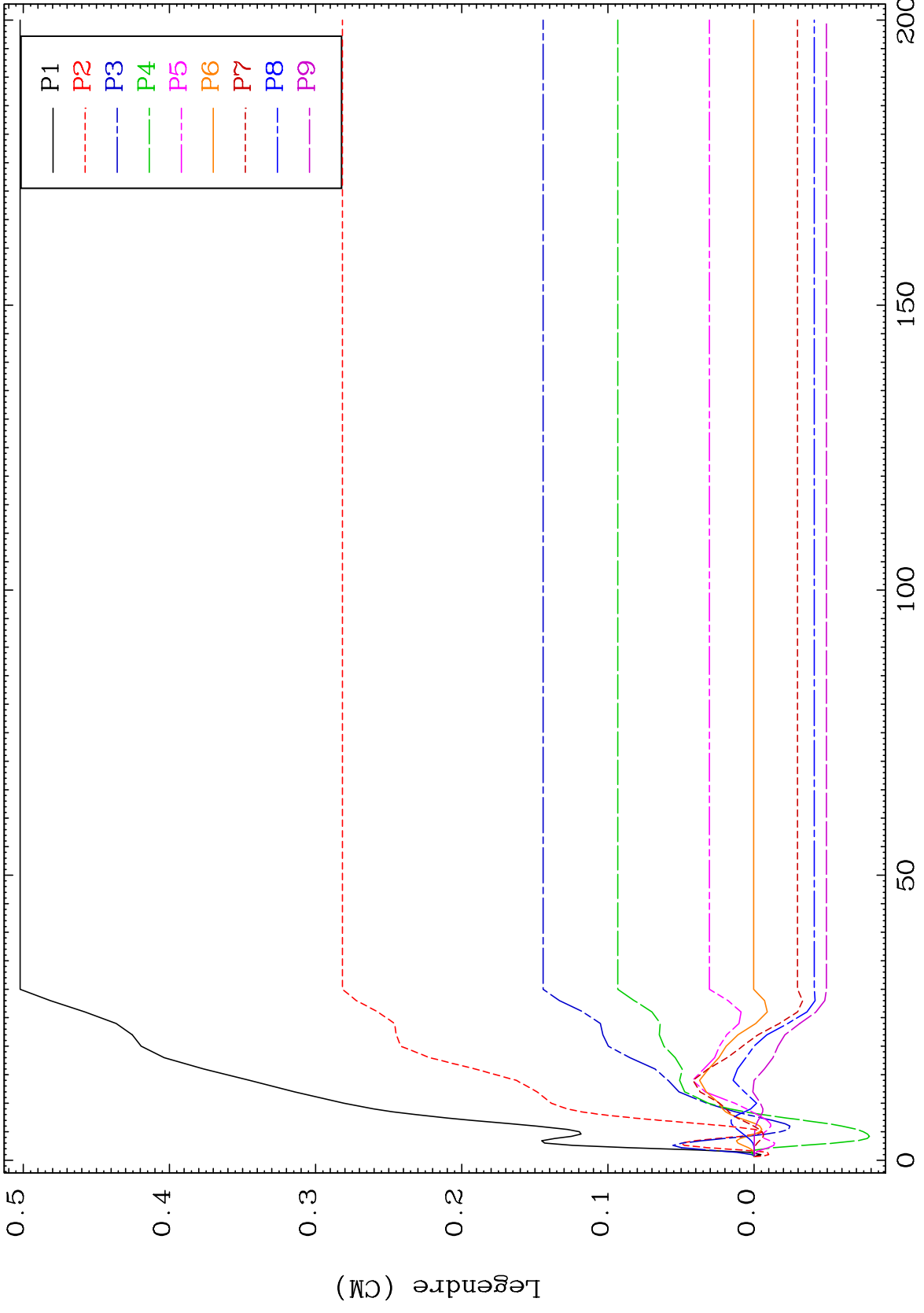
52-Te-119

MAT 5222 MT= 57 (n,n') Level Legendre Coefficients 52-Te-119



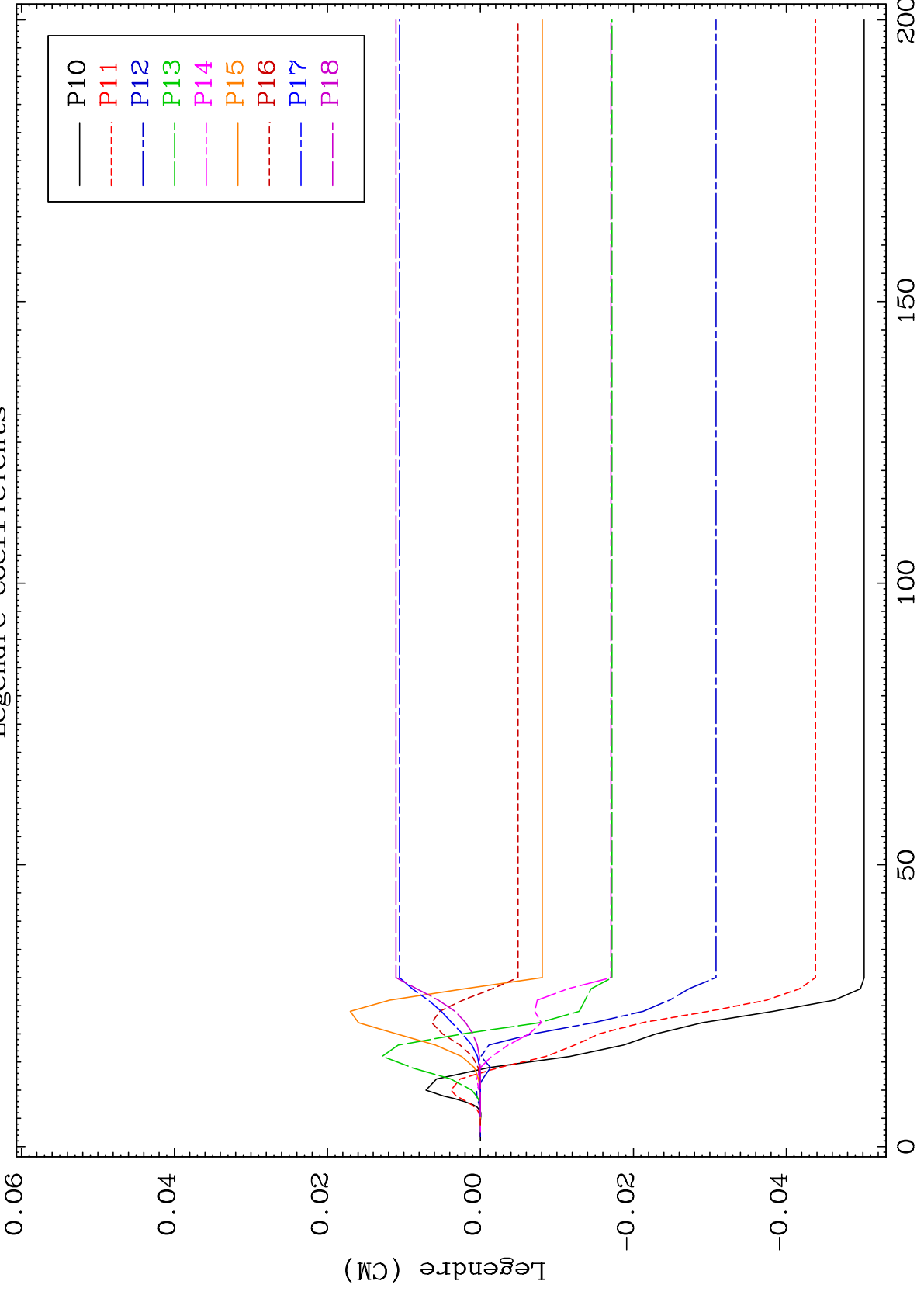
52-Te-119

MAT 5222 MT= 58 (n,n') Level Legendre Coefficients 52-Te-119



41 52-Te-119

MAT 5222 MT= 58 (n,n') Level Legendre Coefficients 52-Te-119

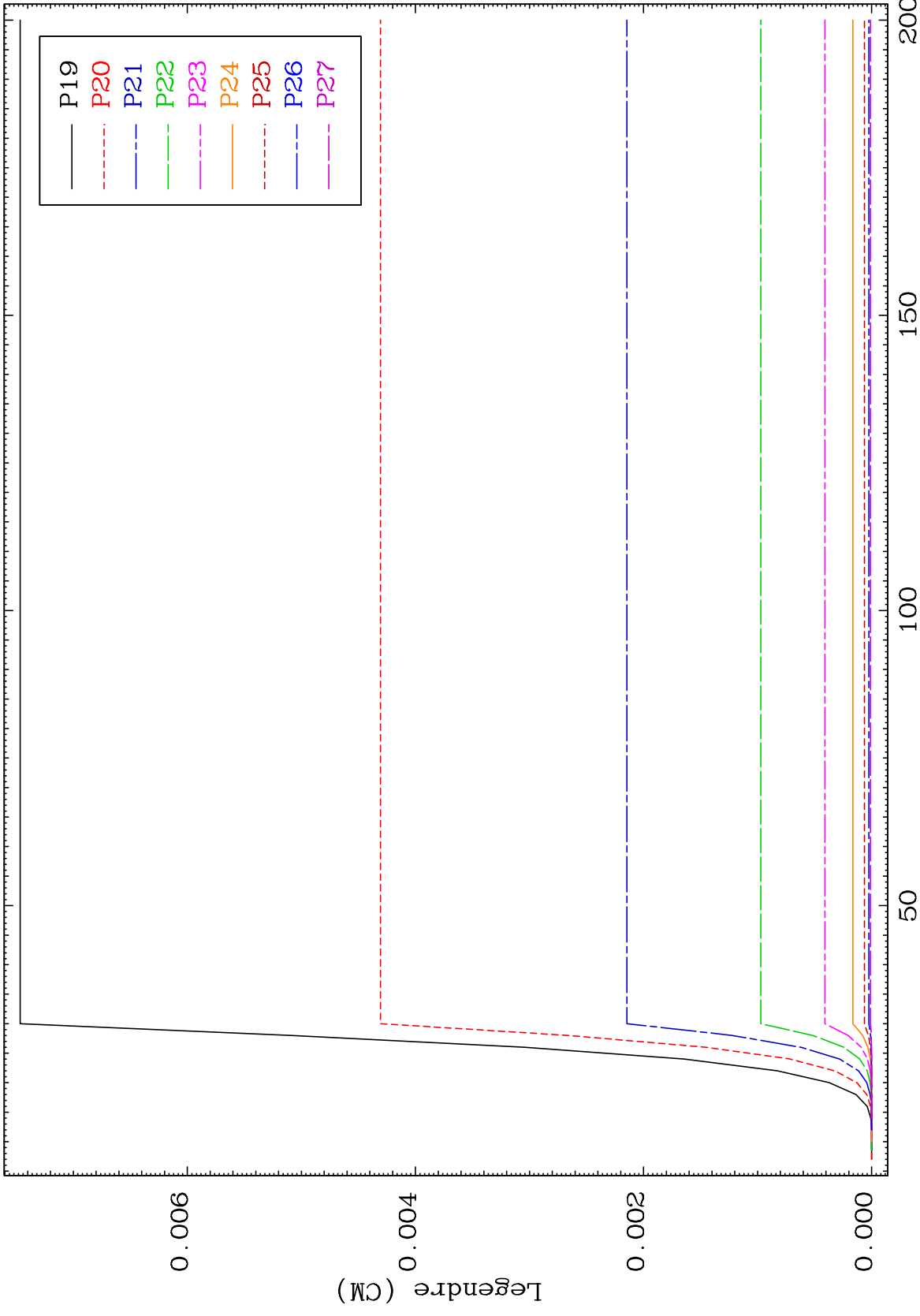


42 52-Te-119

MAT 5222

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

52-Te-119



43

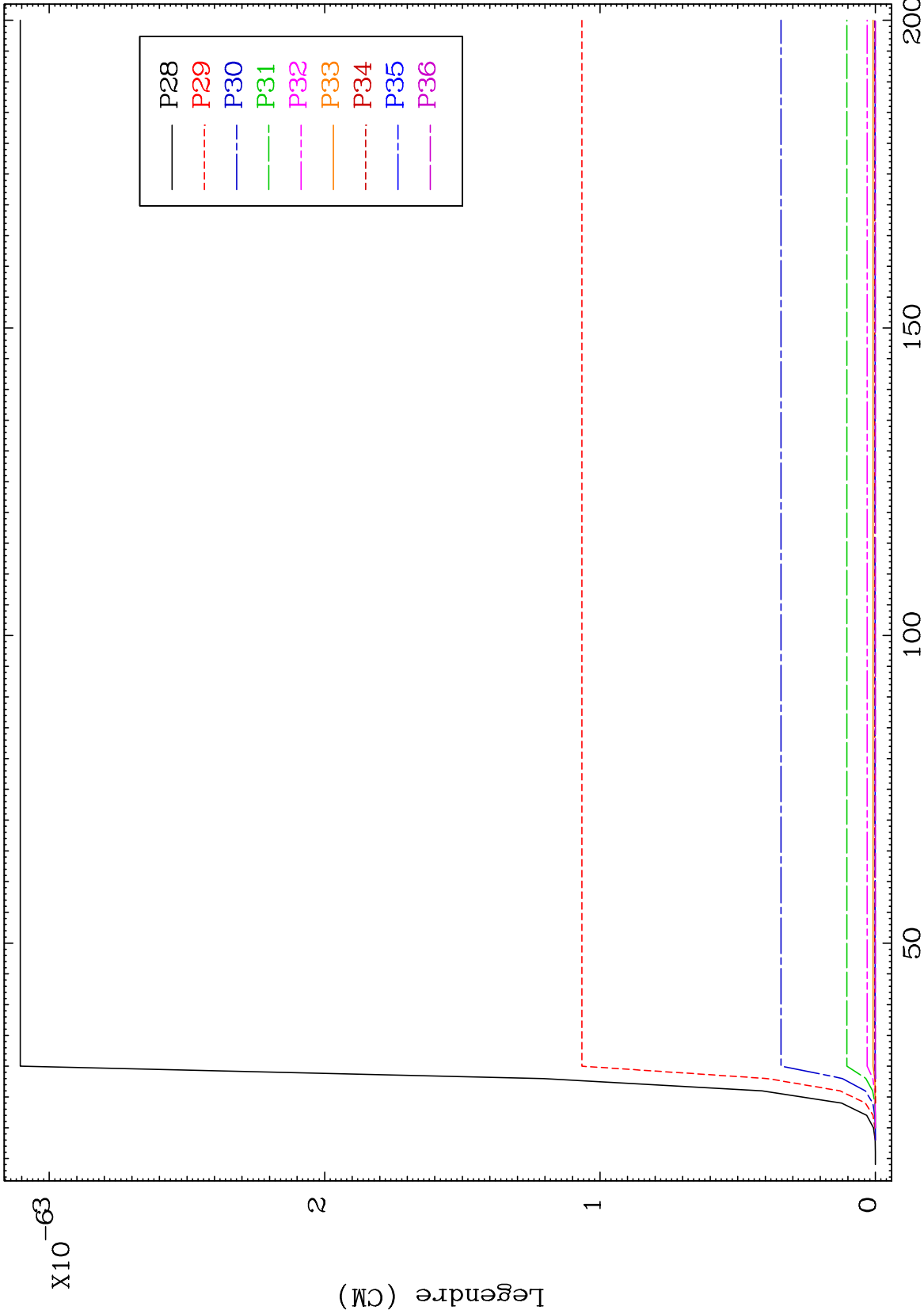
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119

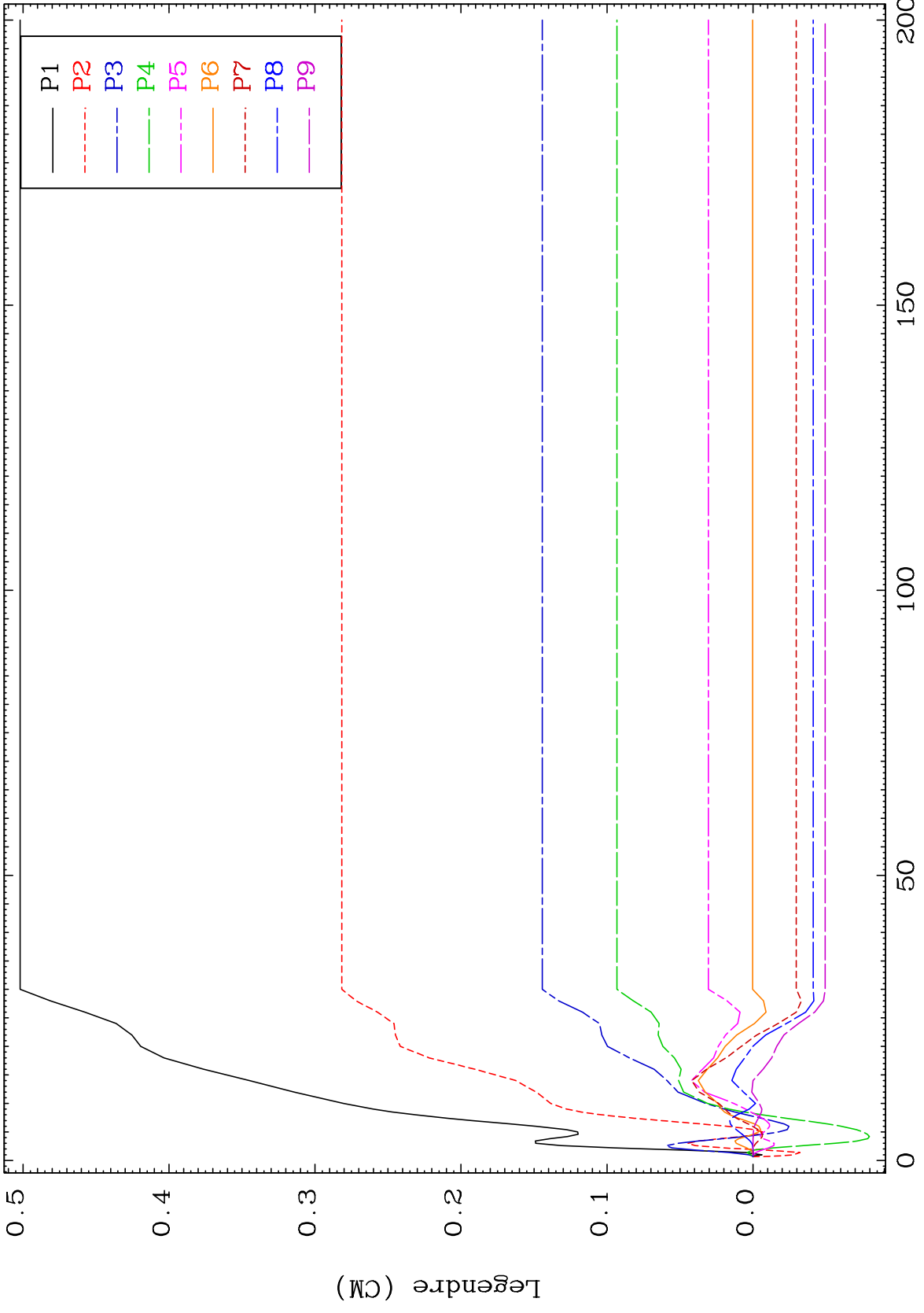


44

Incident Energy (MeV)

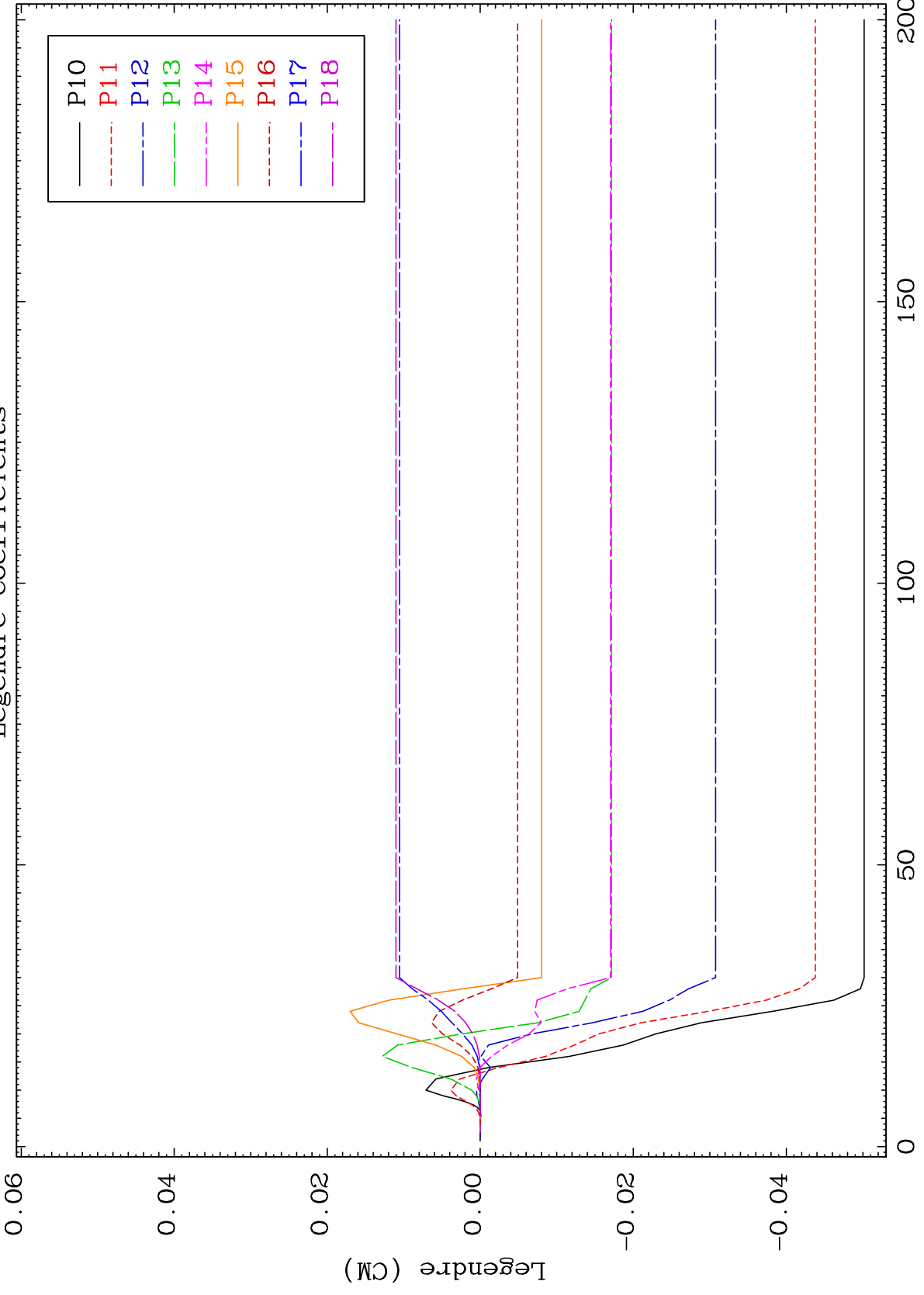
52-Te-119

MAT 5222 MT= 59 (n,n') Level Legendre Coefficients 52-Te-119



52-Te-119

MAT 5222 MT= 59 (n,n') Level Legendre Coefficients 52-Te-119

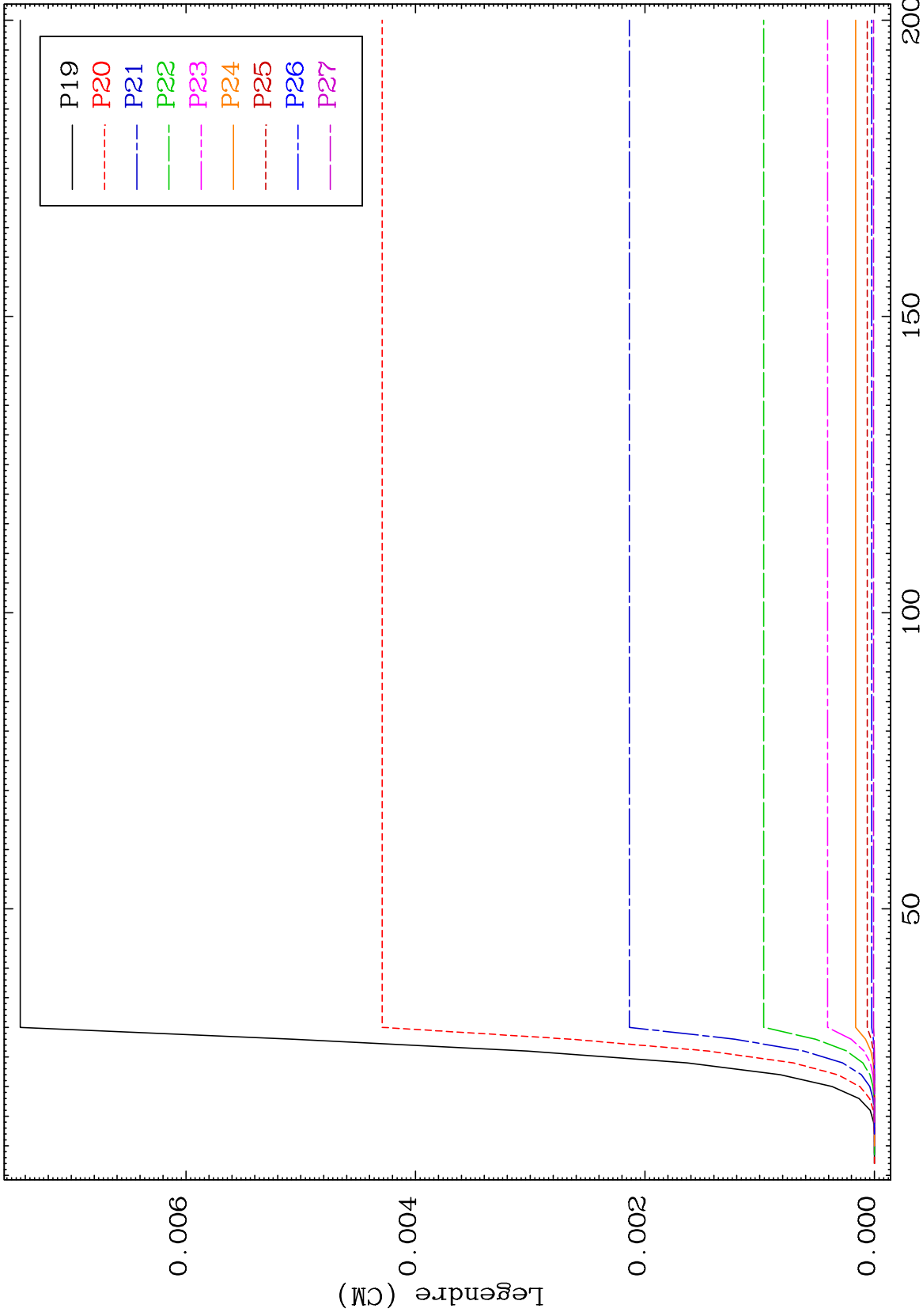


46 52-Te-119

MAT 5222

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

52-Te-119



47

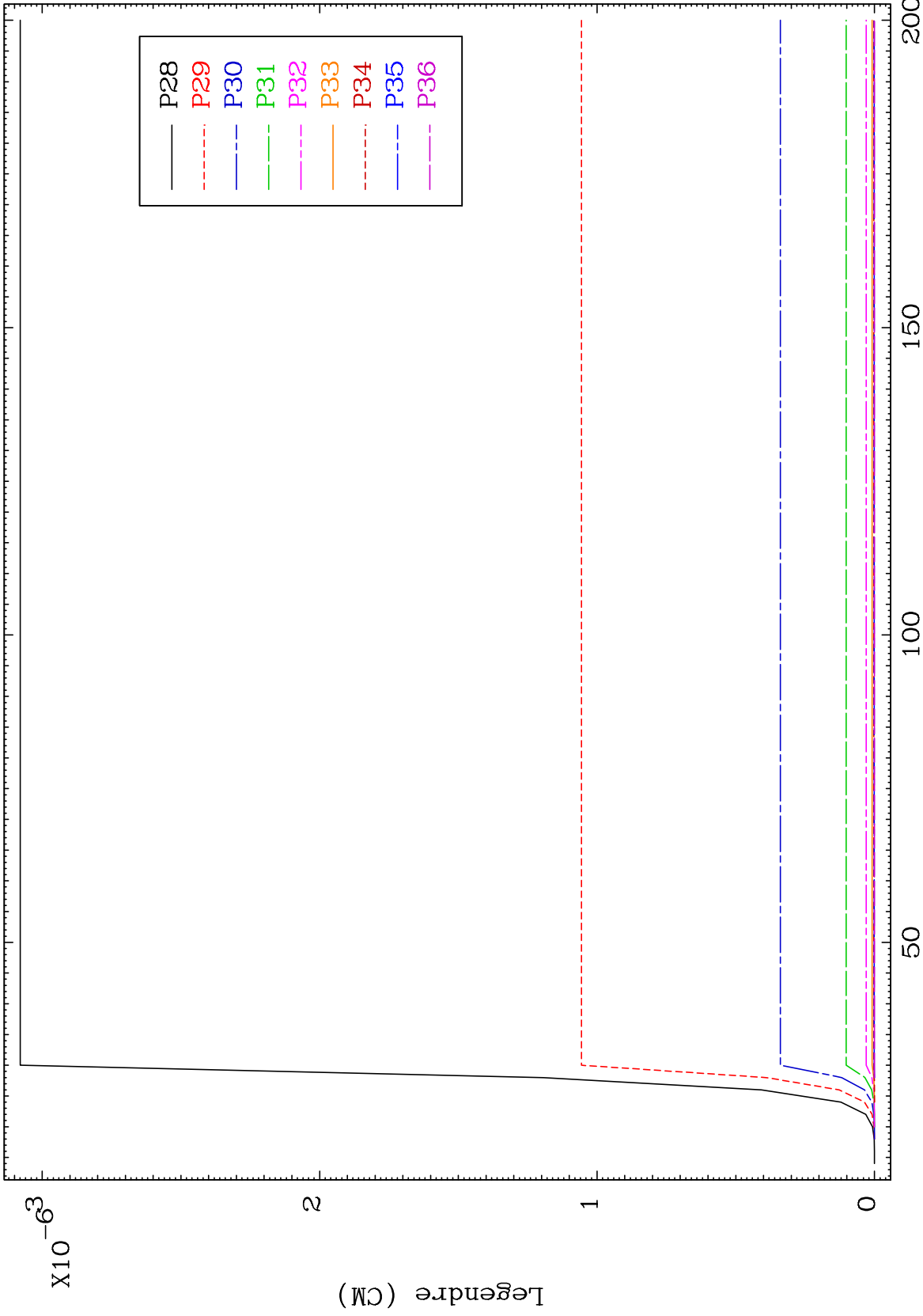
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



48

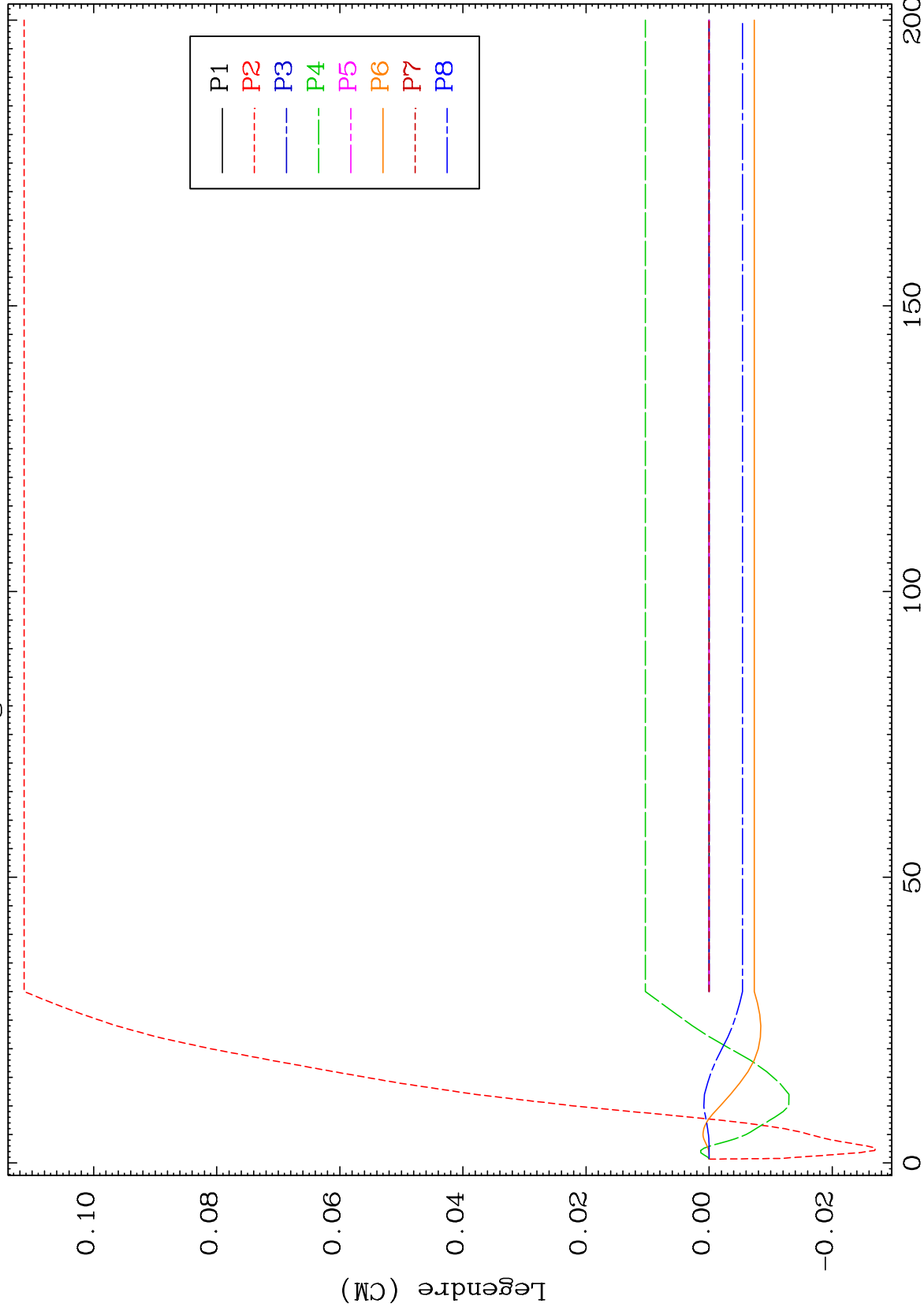
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



49

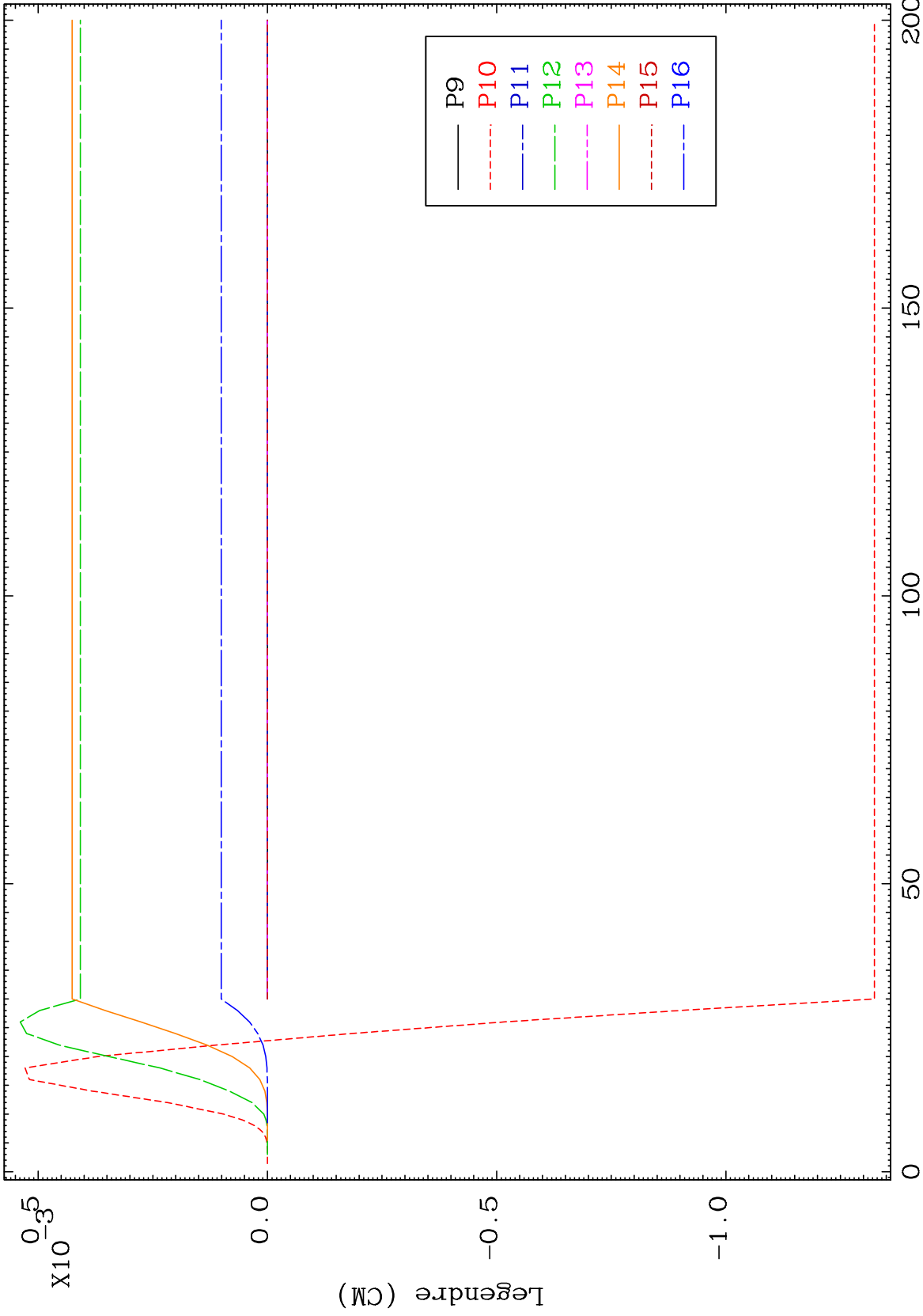
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



50

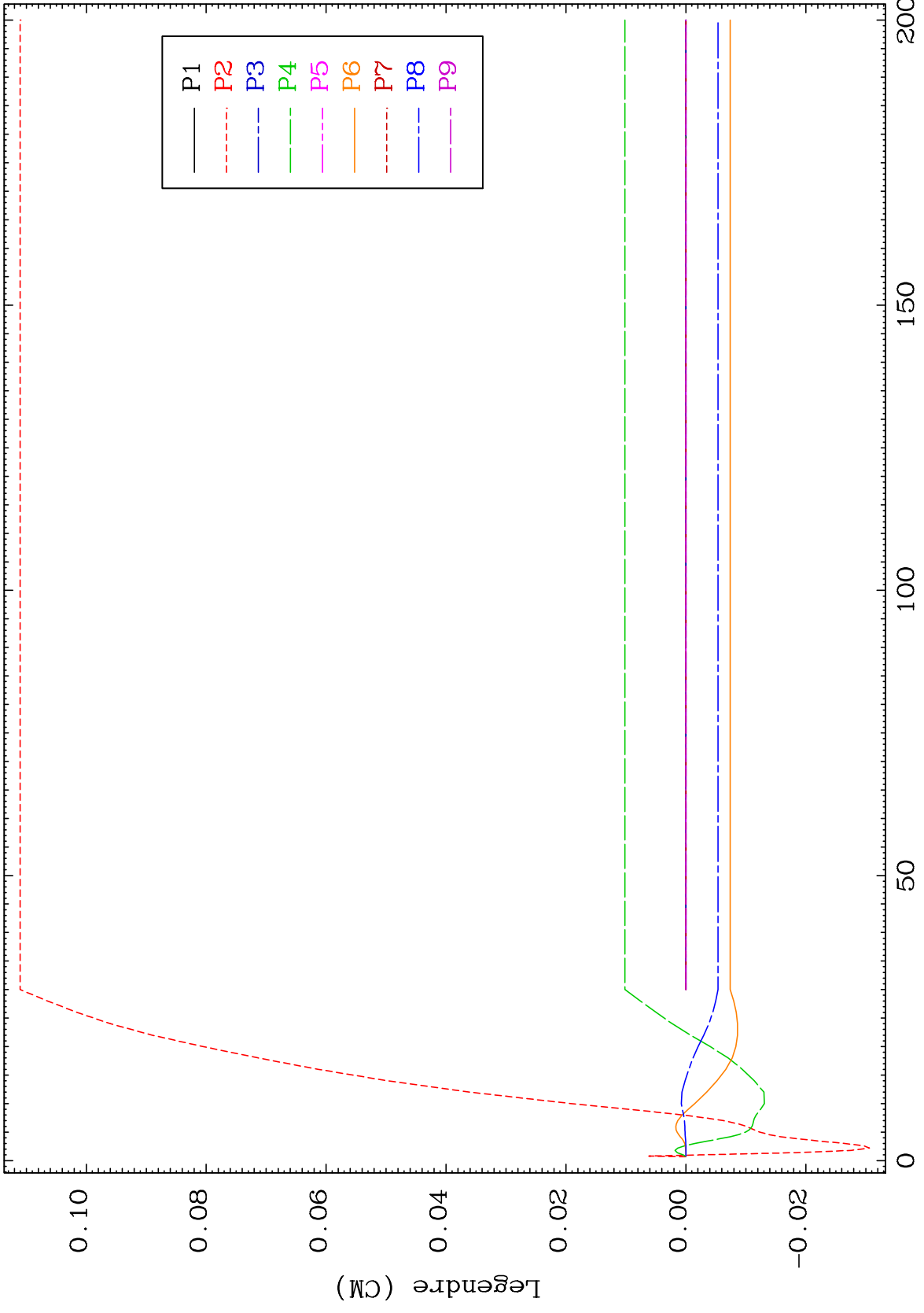
Incident Energy (MeV)

150

52-Te-119

200

MAT 5222 MT= 61 (n,n') Level Legendre Coefficients 52-Te-119

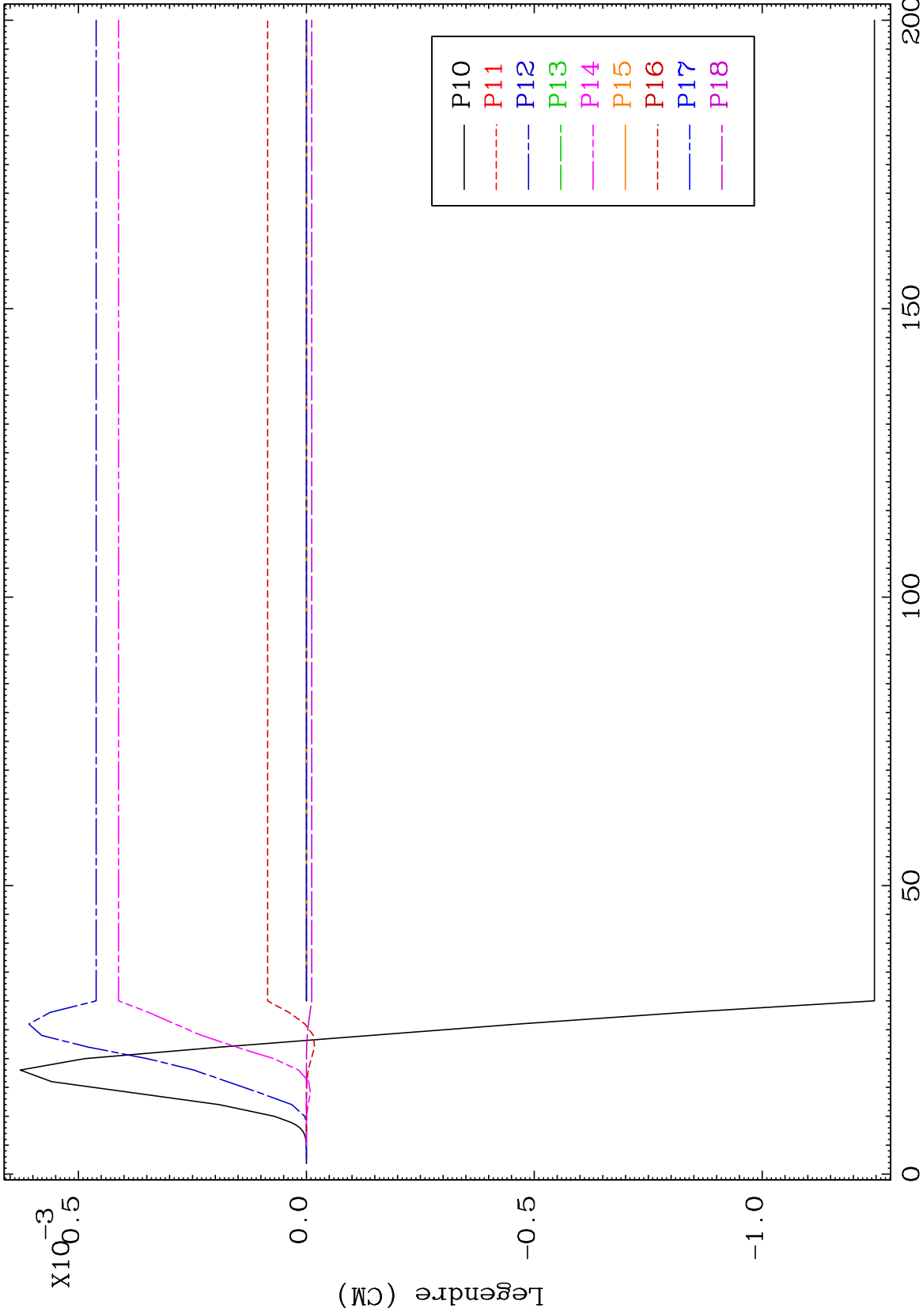


52-Te-119

MAT 5222

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

52-Te-119



53

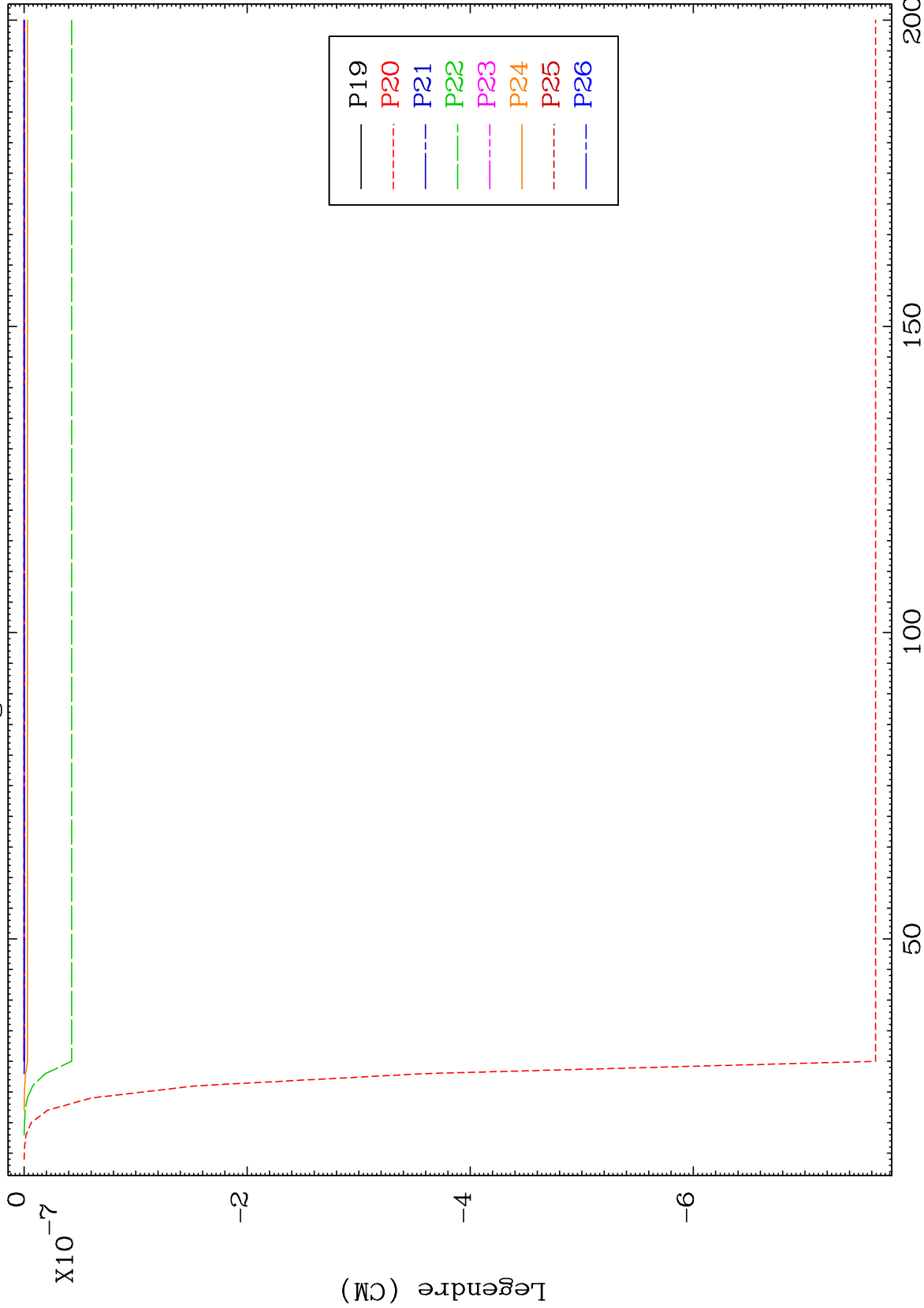
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



54

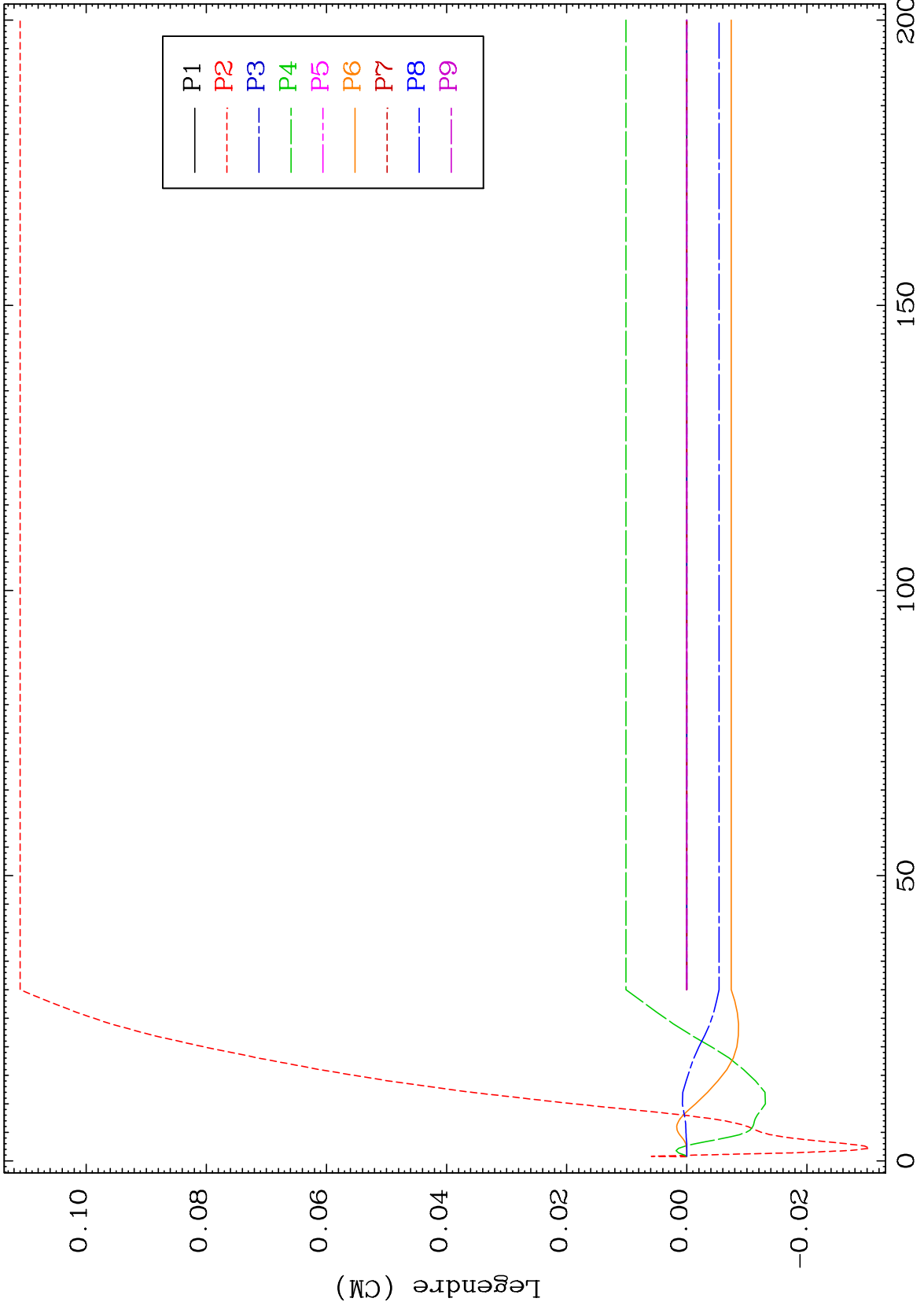
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



55

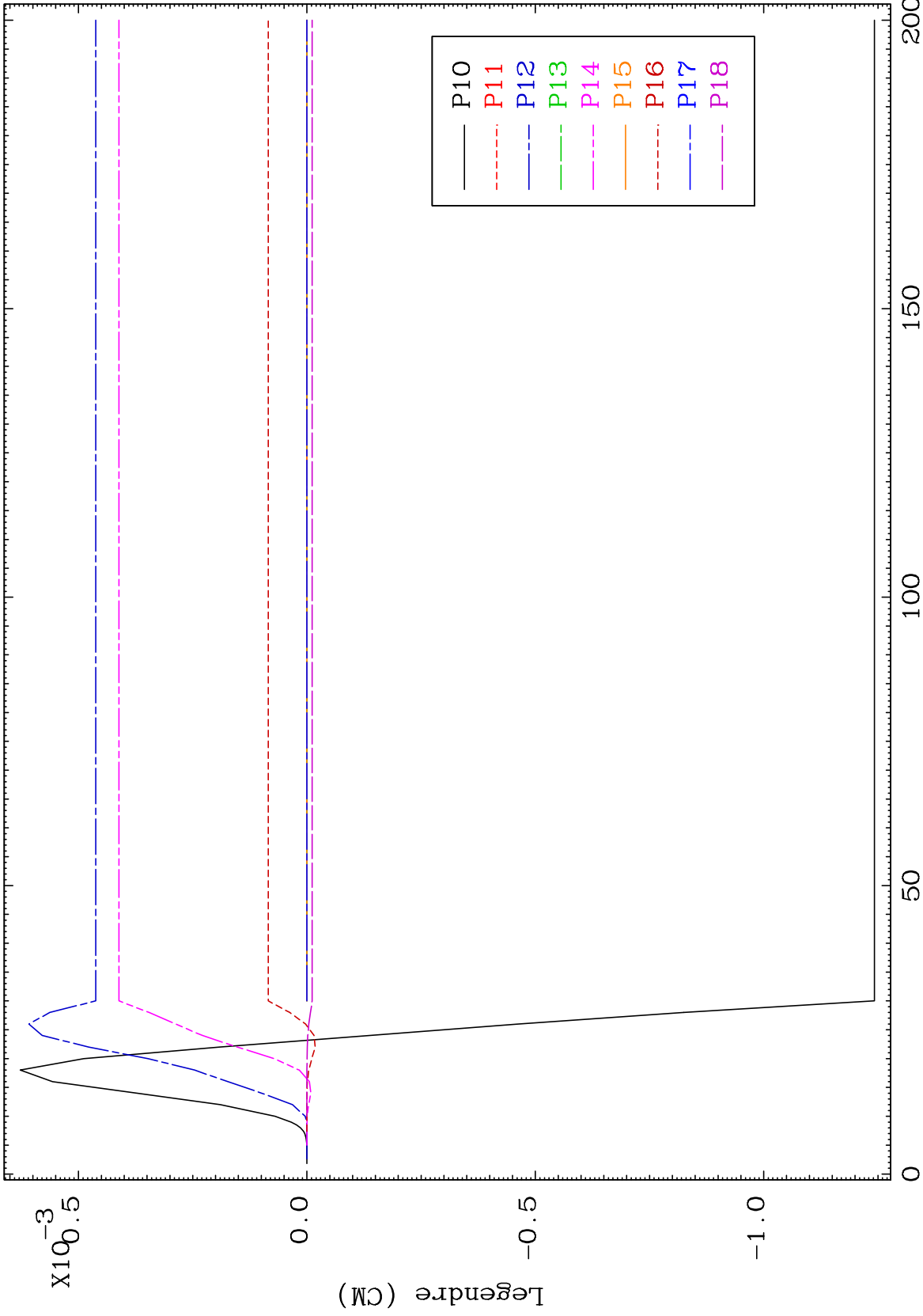
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



56

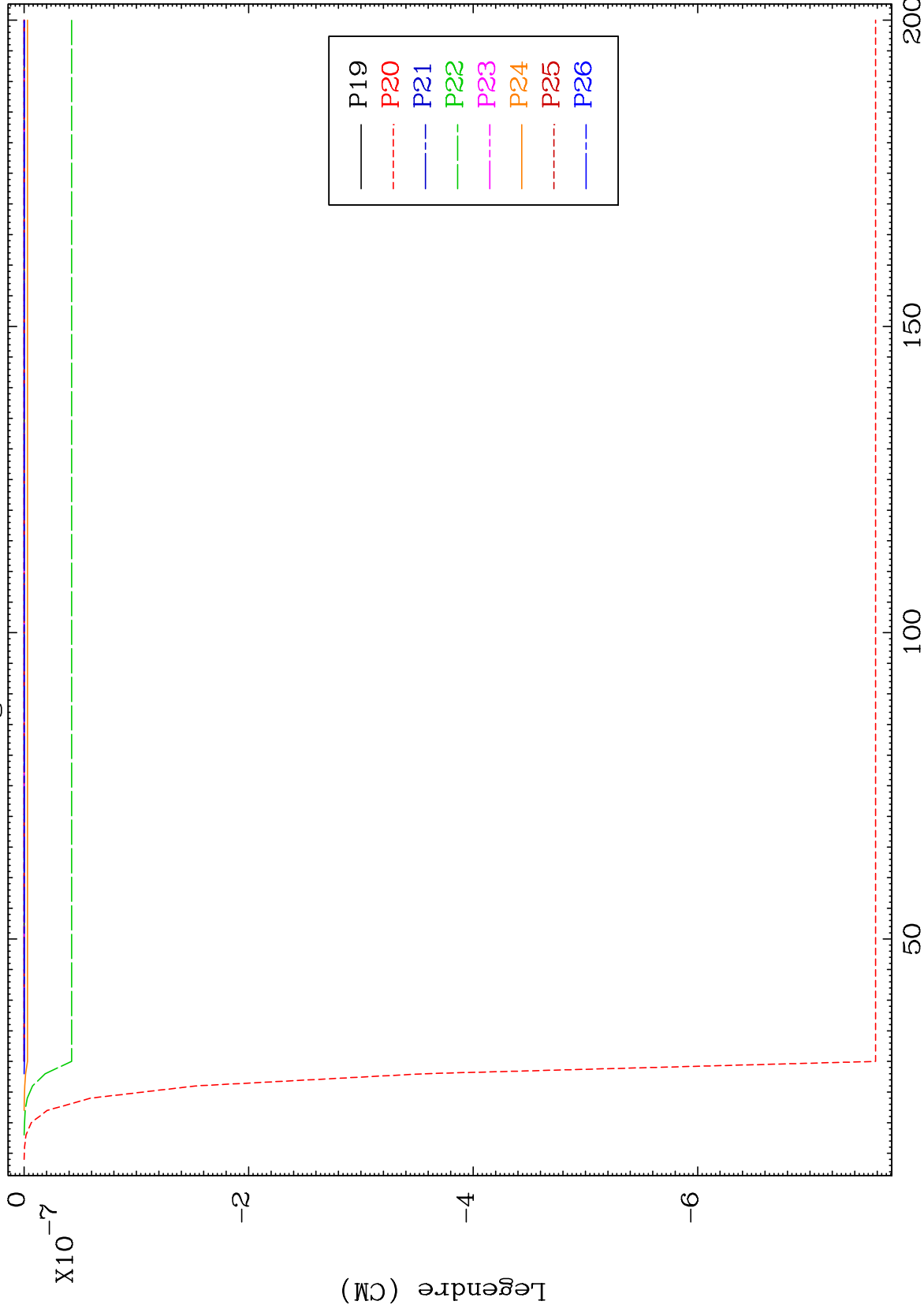
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



52-Te-119

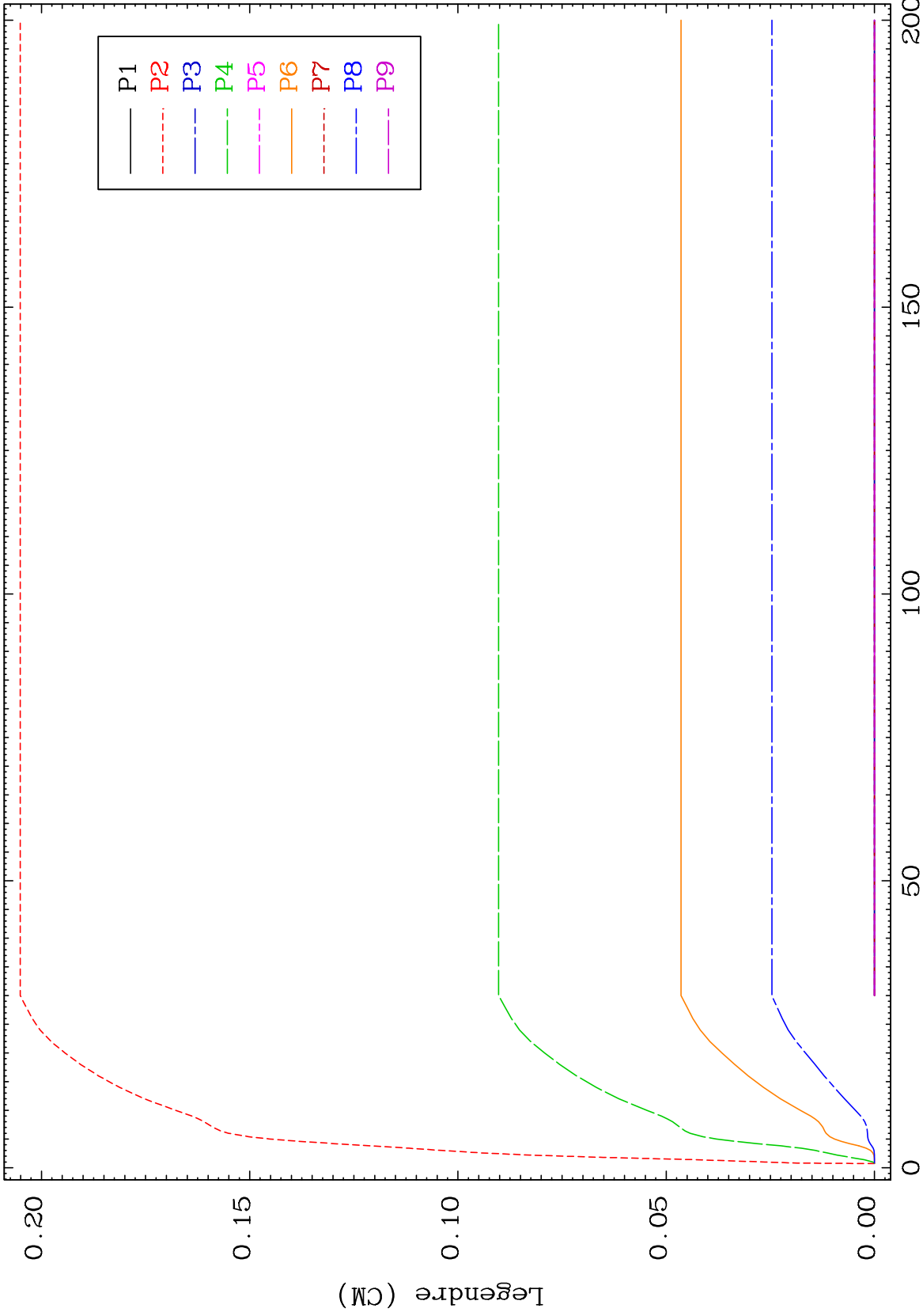
Incident Energy (MeV)

57

MAT 5222

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

52-Te-119



58

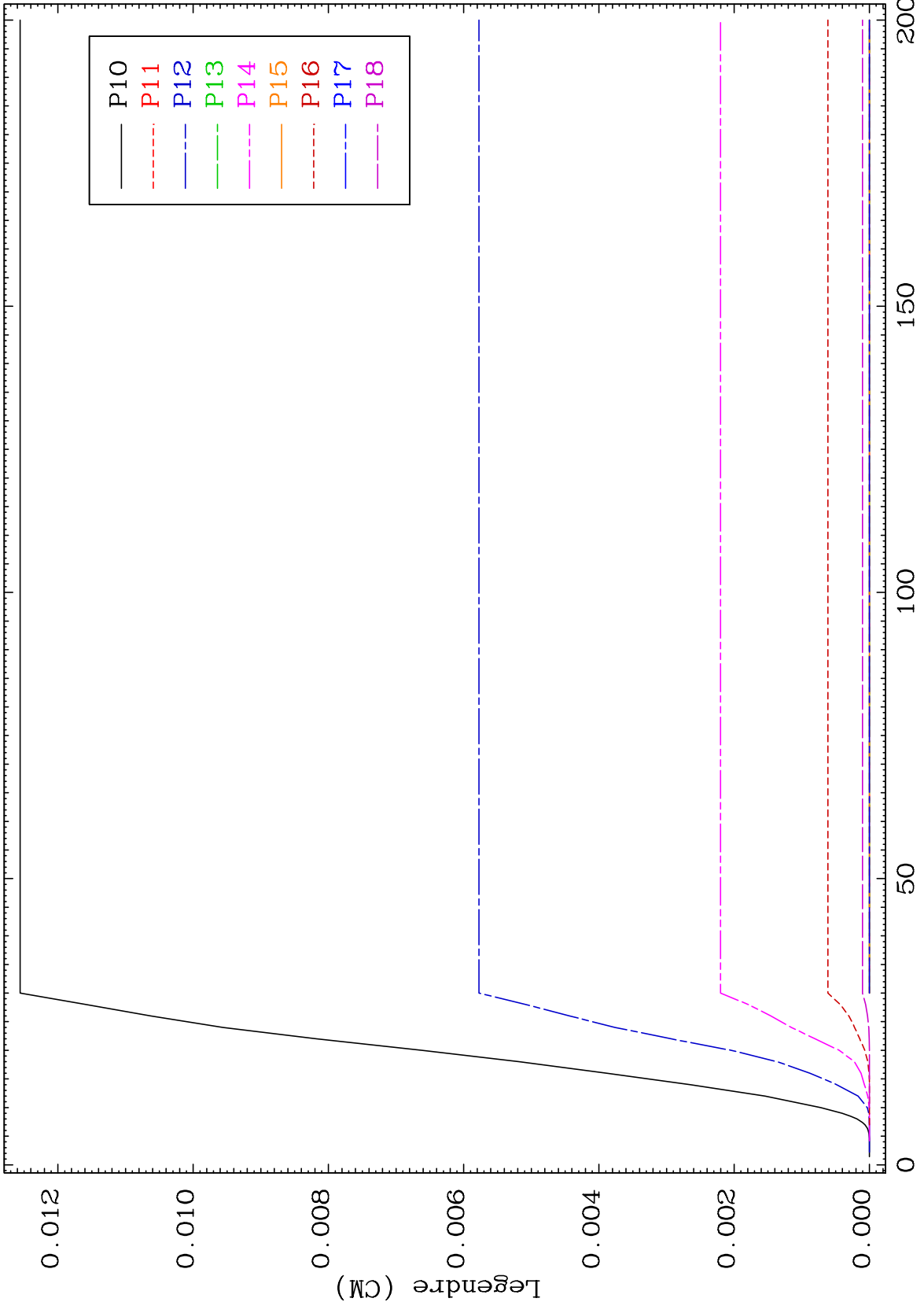
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



59

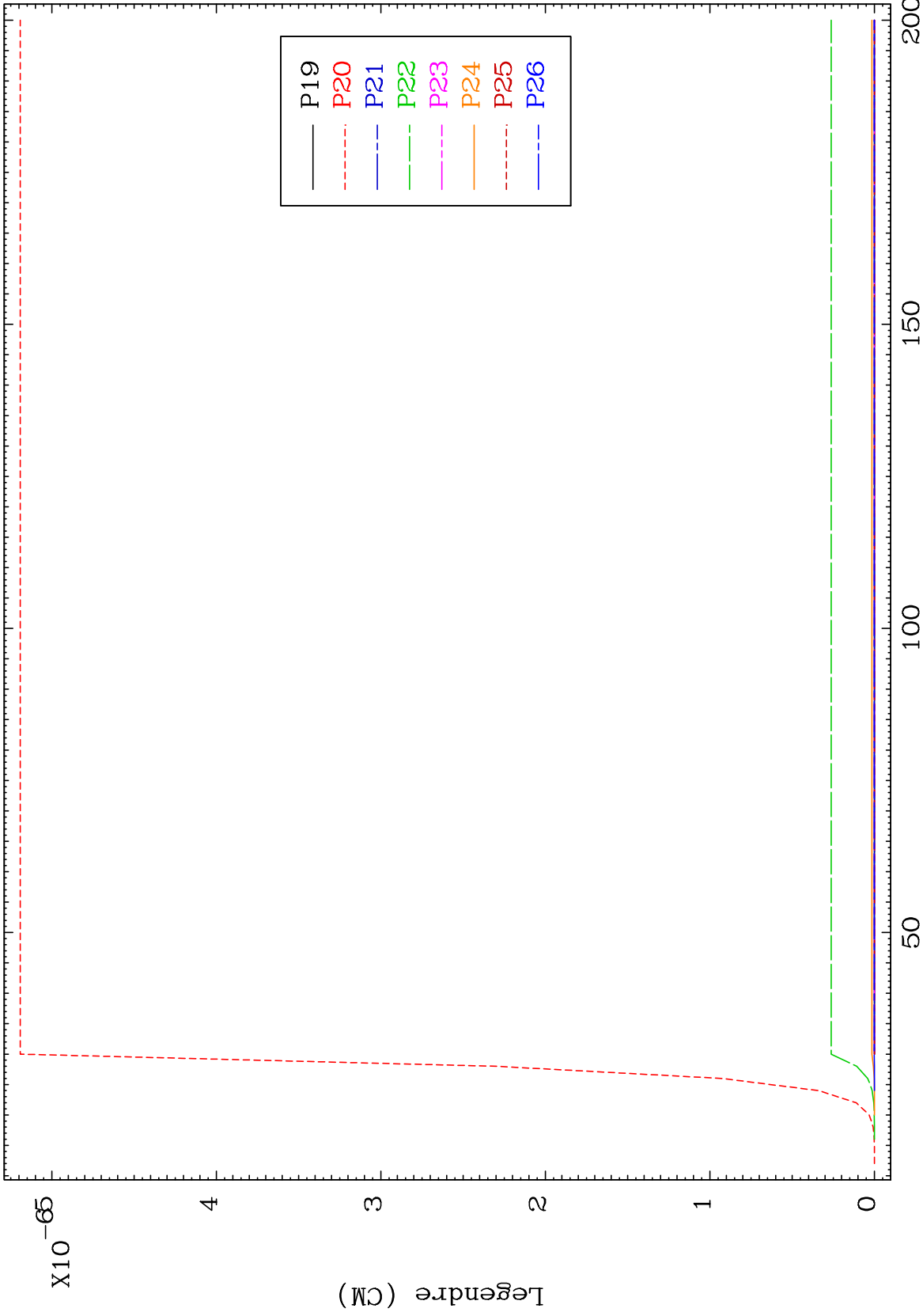
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



60

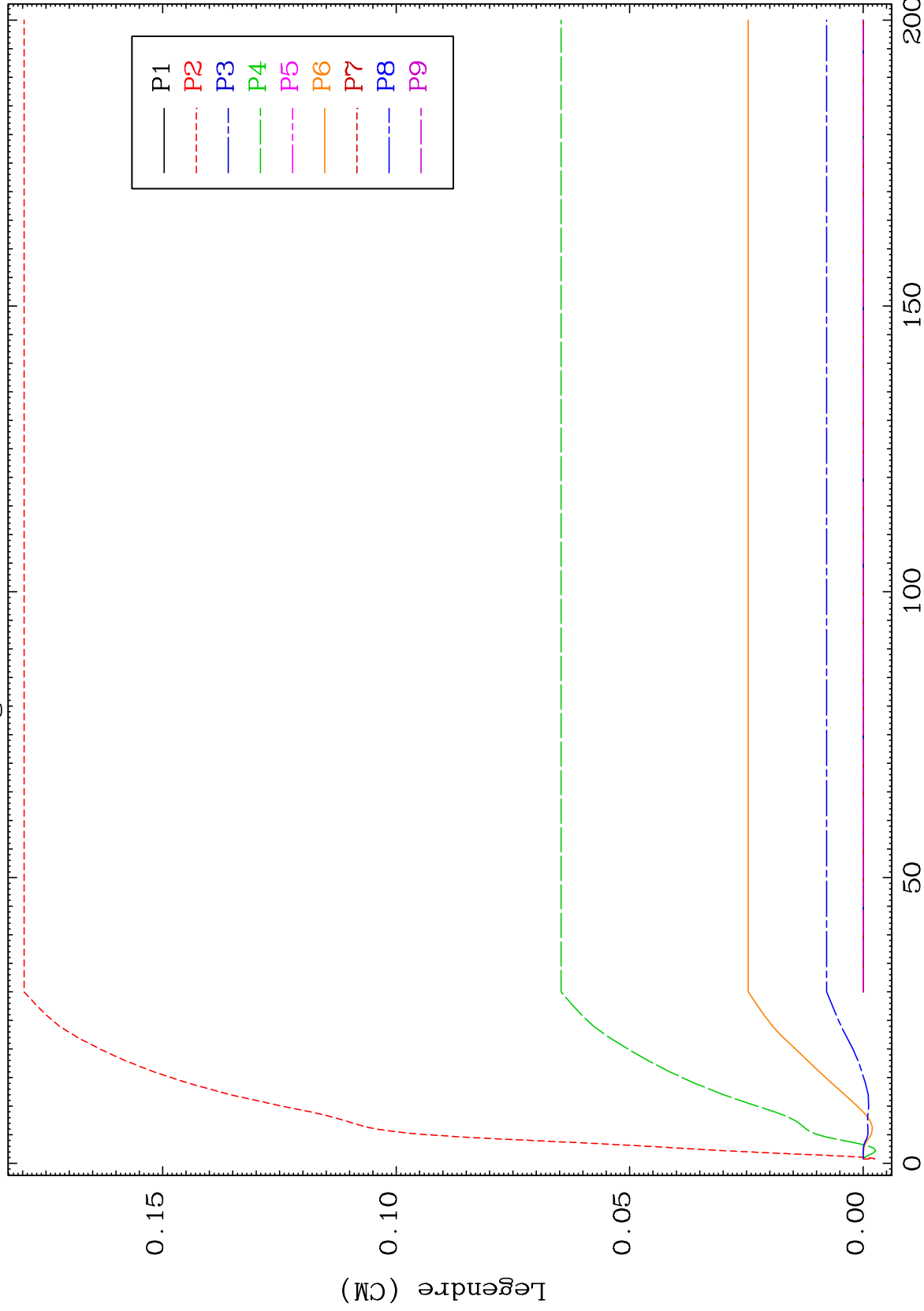
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



61

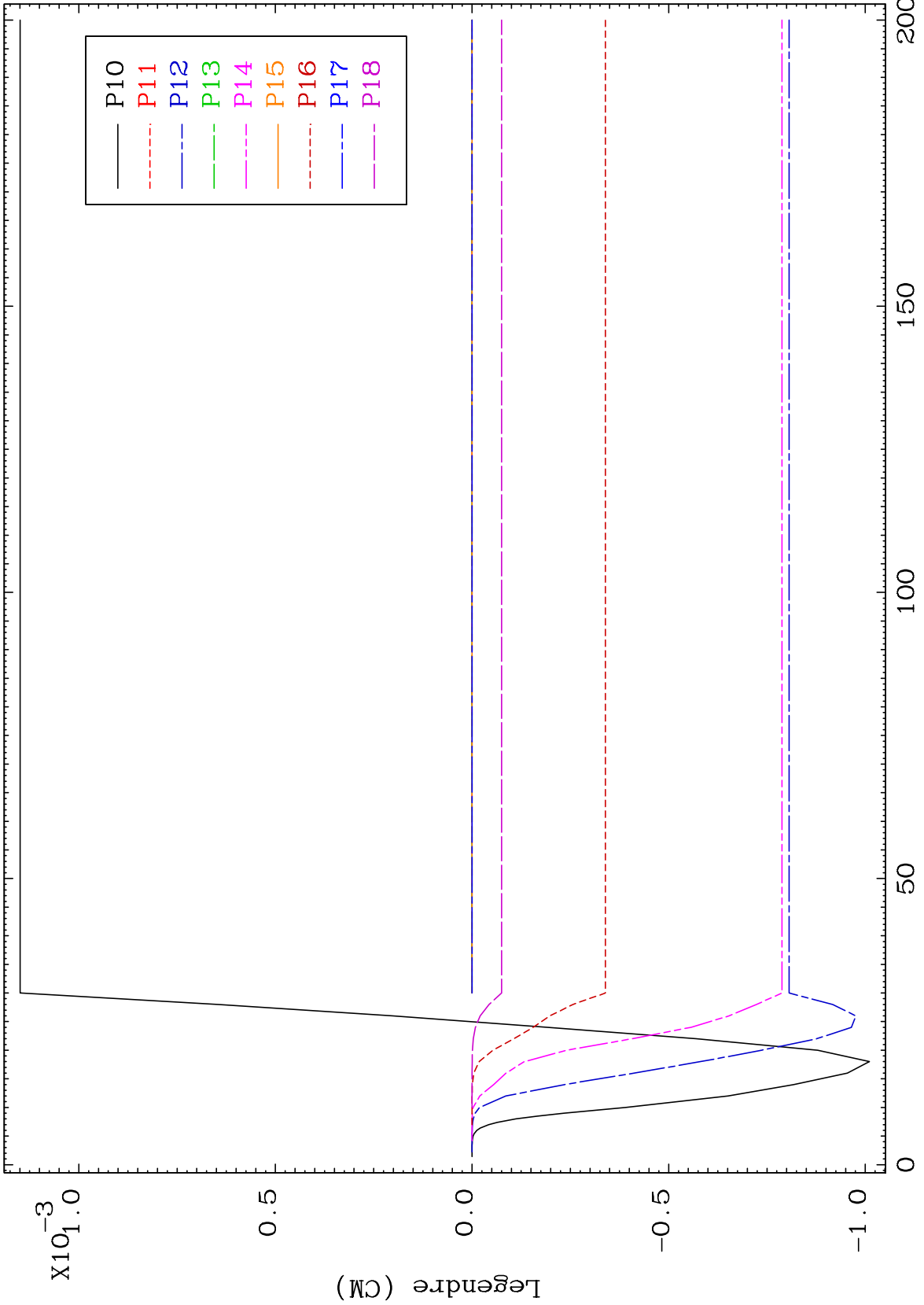
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



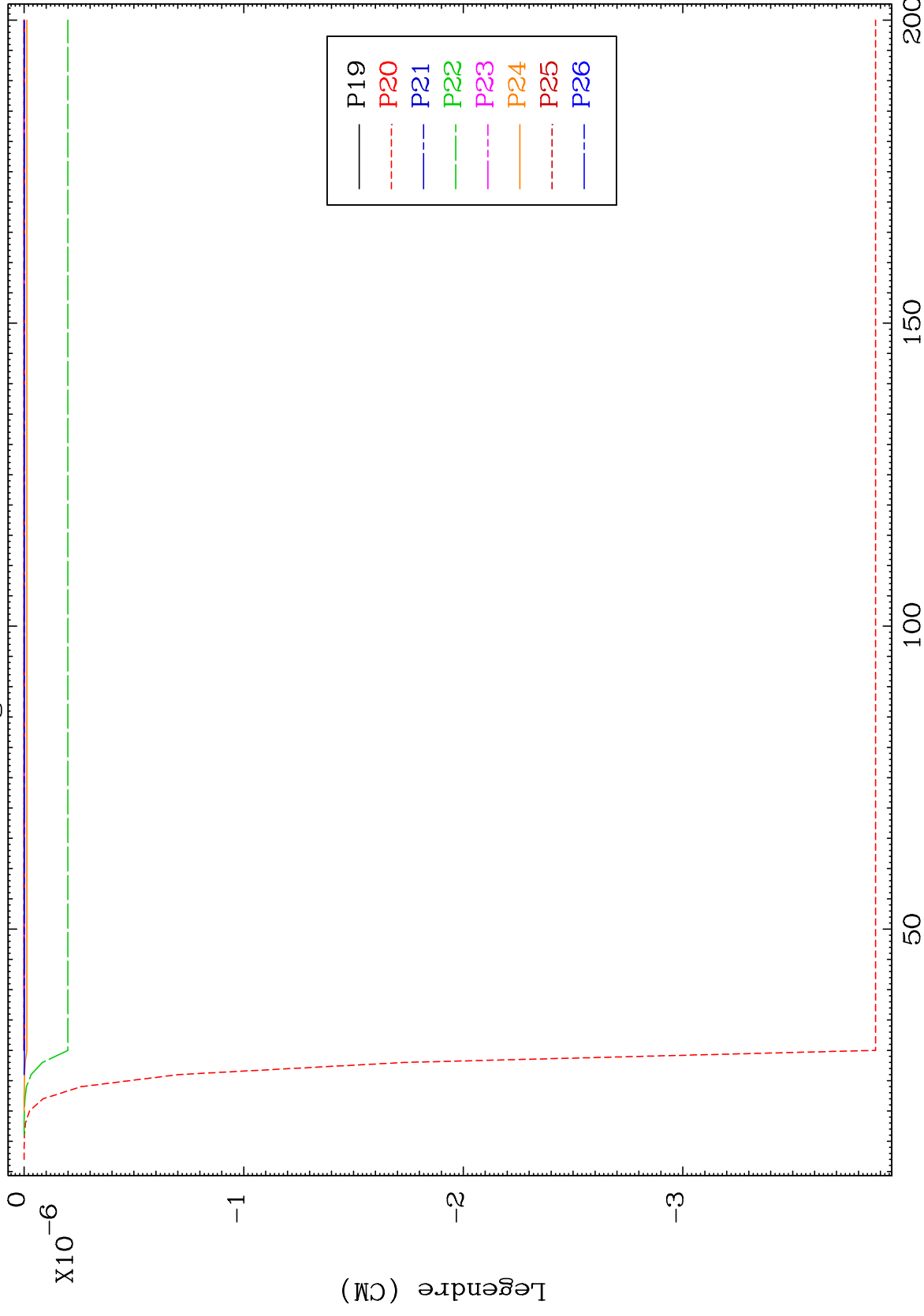
62

52-Te-119

MAT 5222

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

52-Te-119

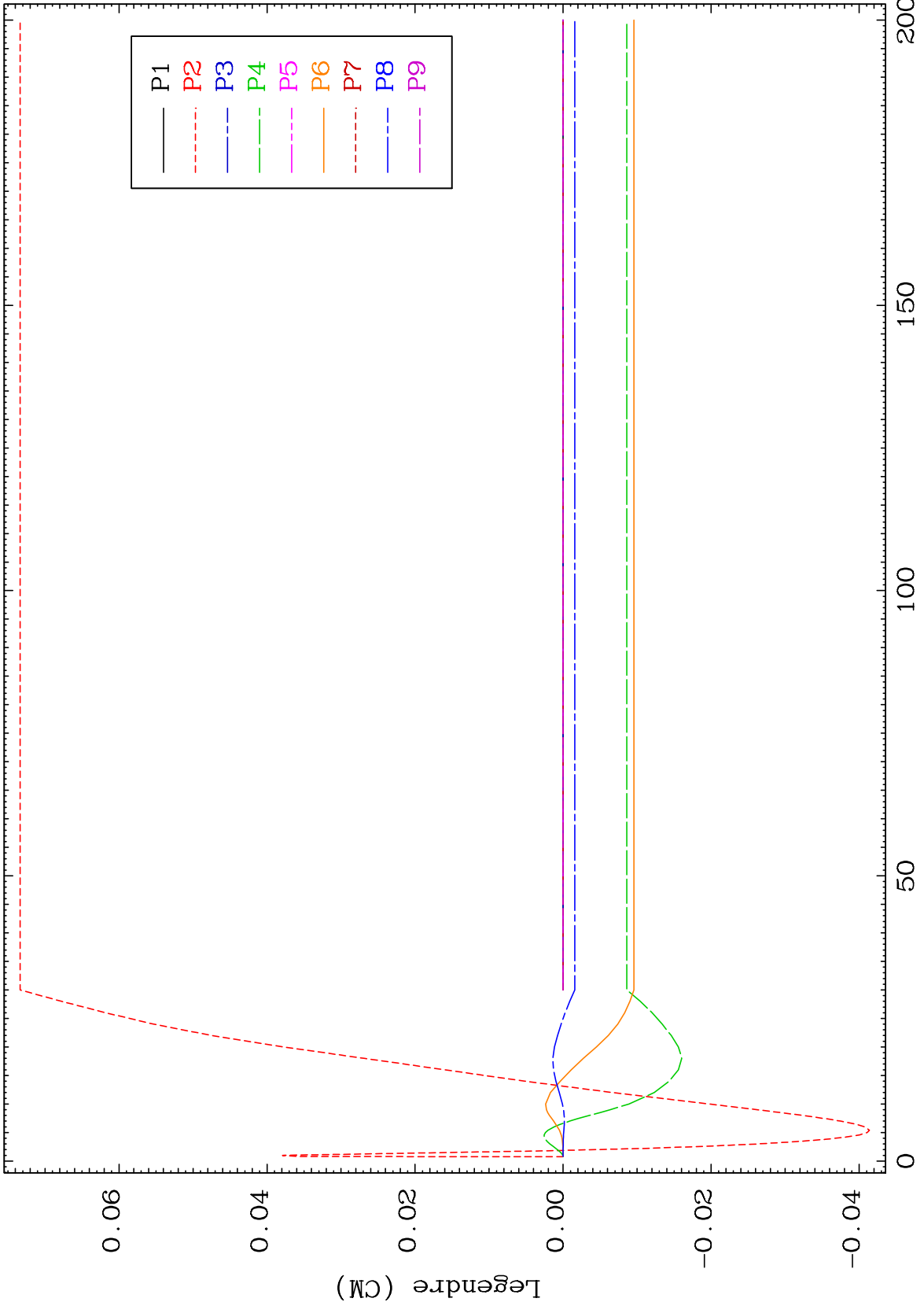


52-Te-119

Incident Energy (MeV)

63

MAT 5222 MT= 65 (n,n') Level Legendre Coefficients 52-Te-119

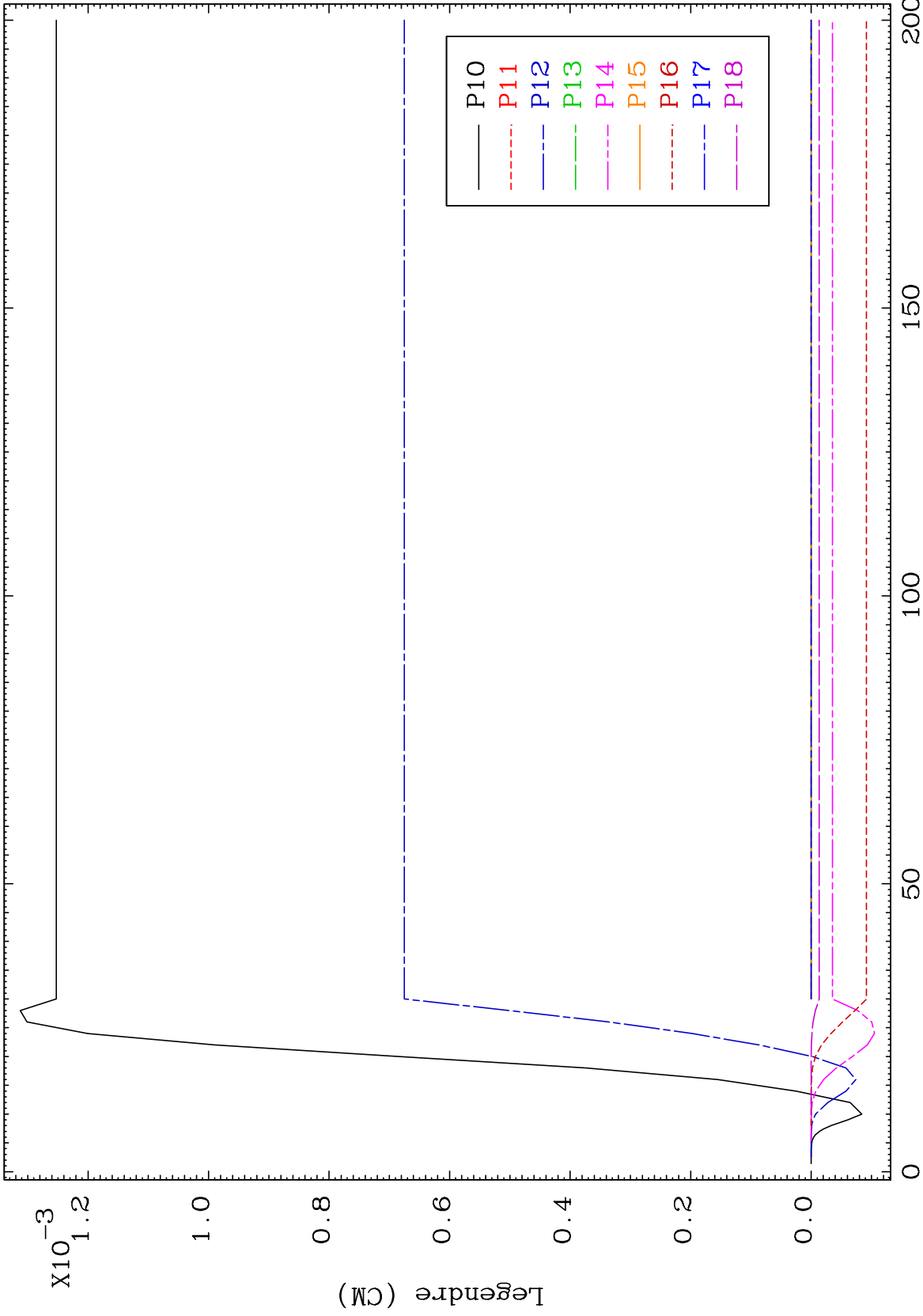


64 Incident Energy (MeV) 52-Te-119

MAT 5222

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

52-Te-119



65

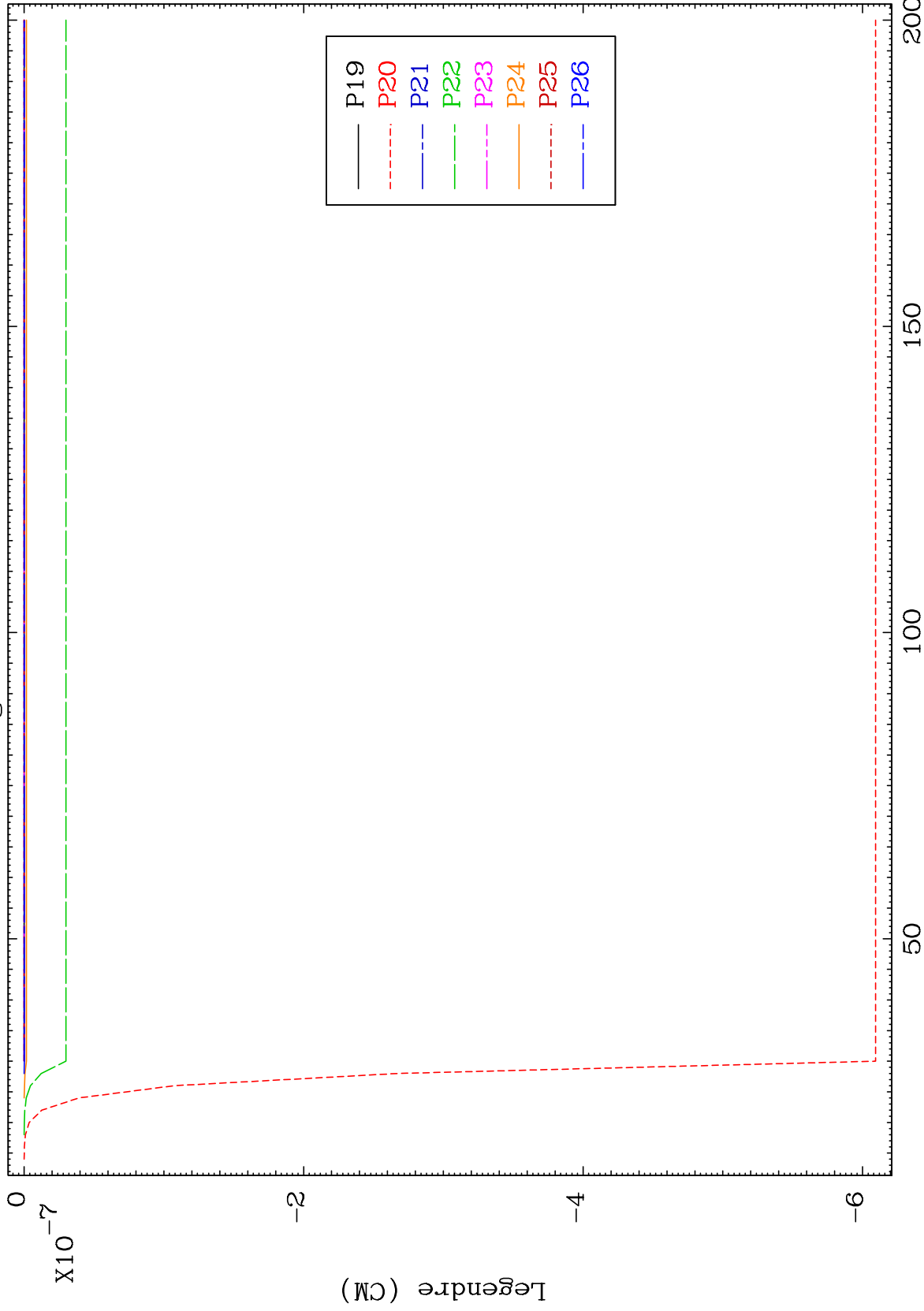
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



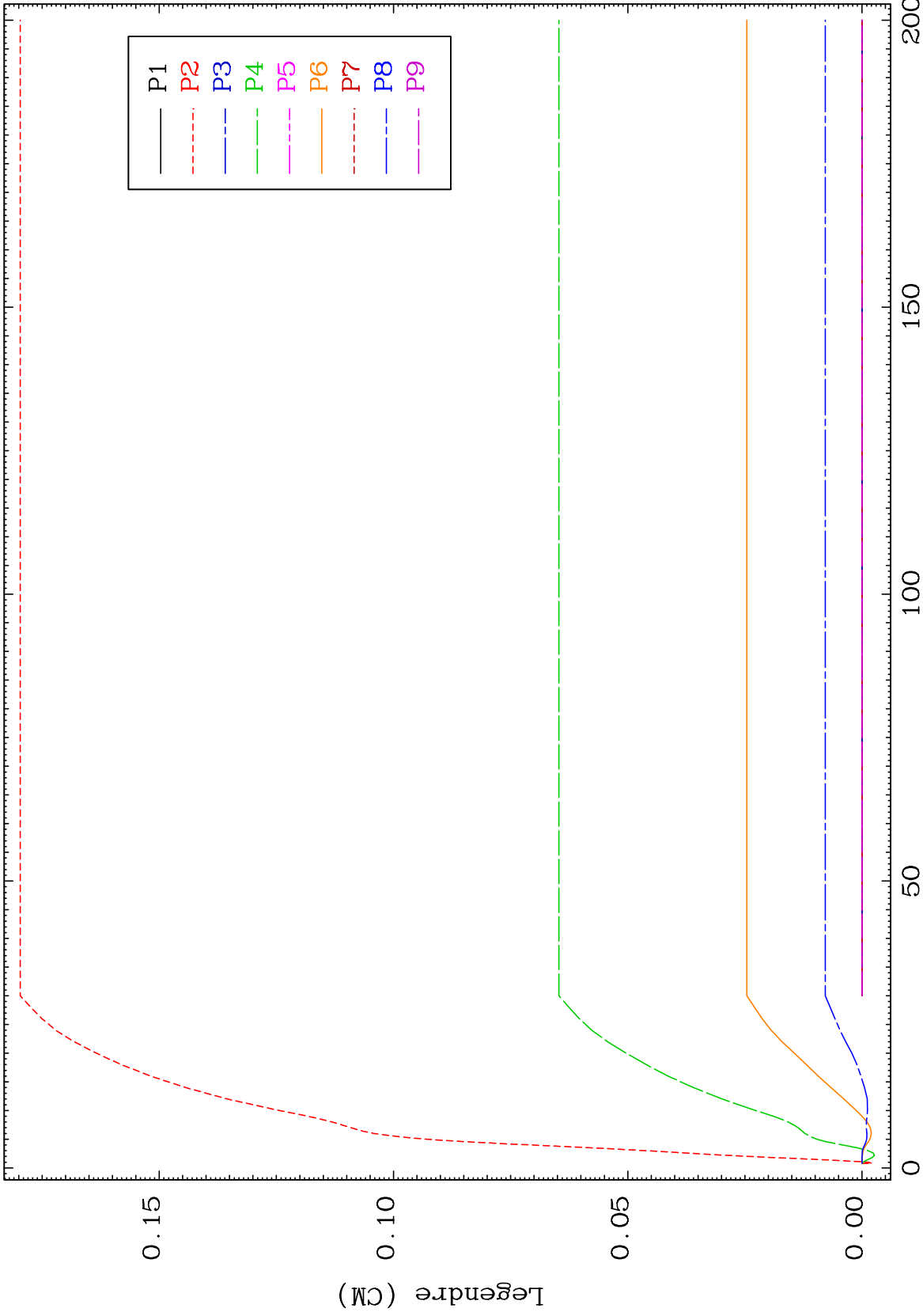
66

52-Te-119

MAT 5222

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

52-Te-119



67

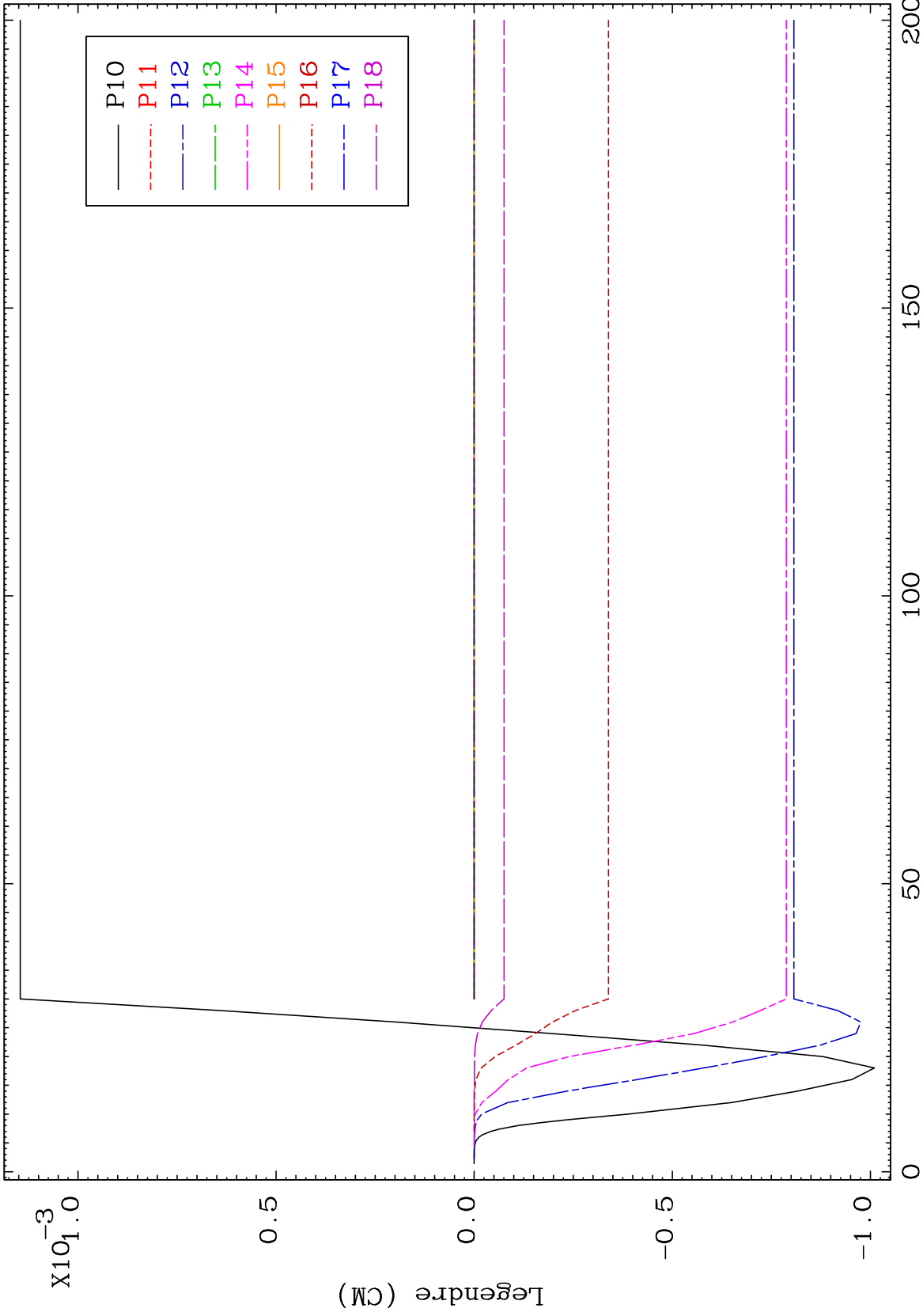
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



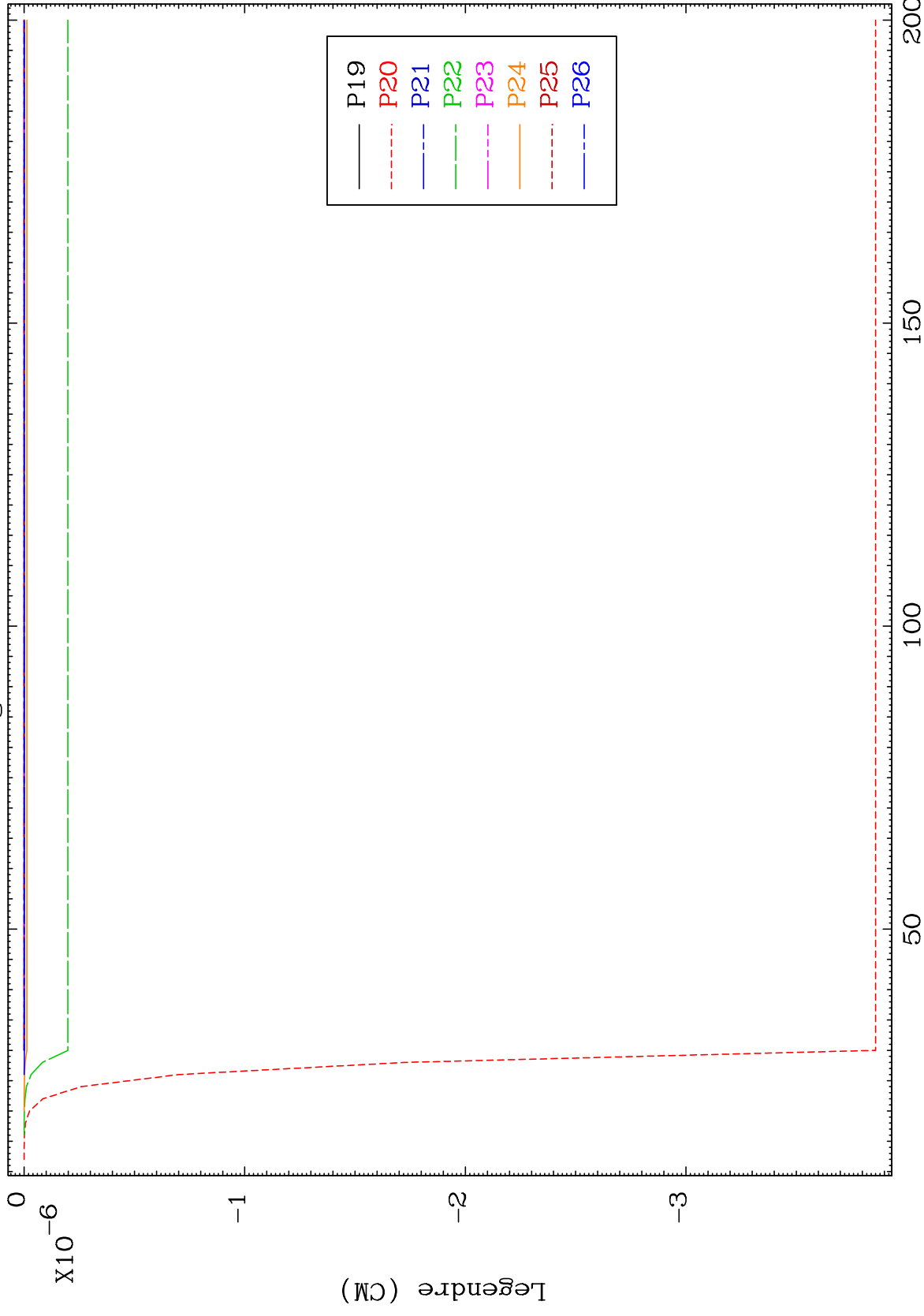
68

52-Te-119

MAT 5222

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

52-Te-119

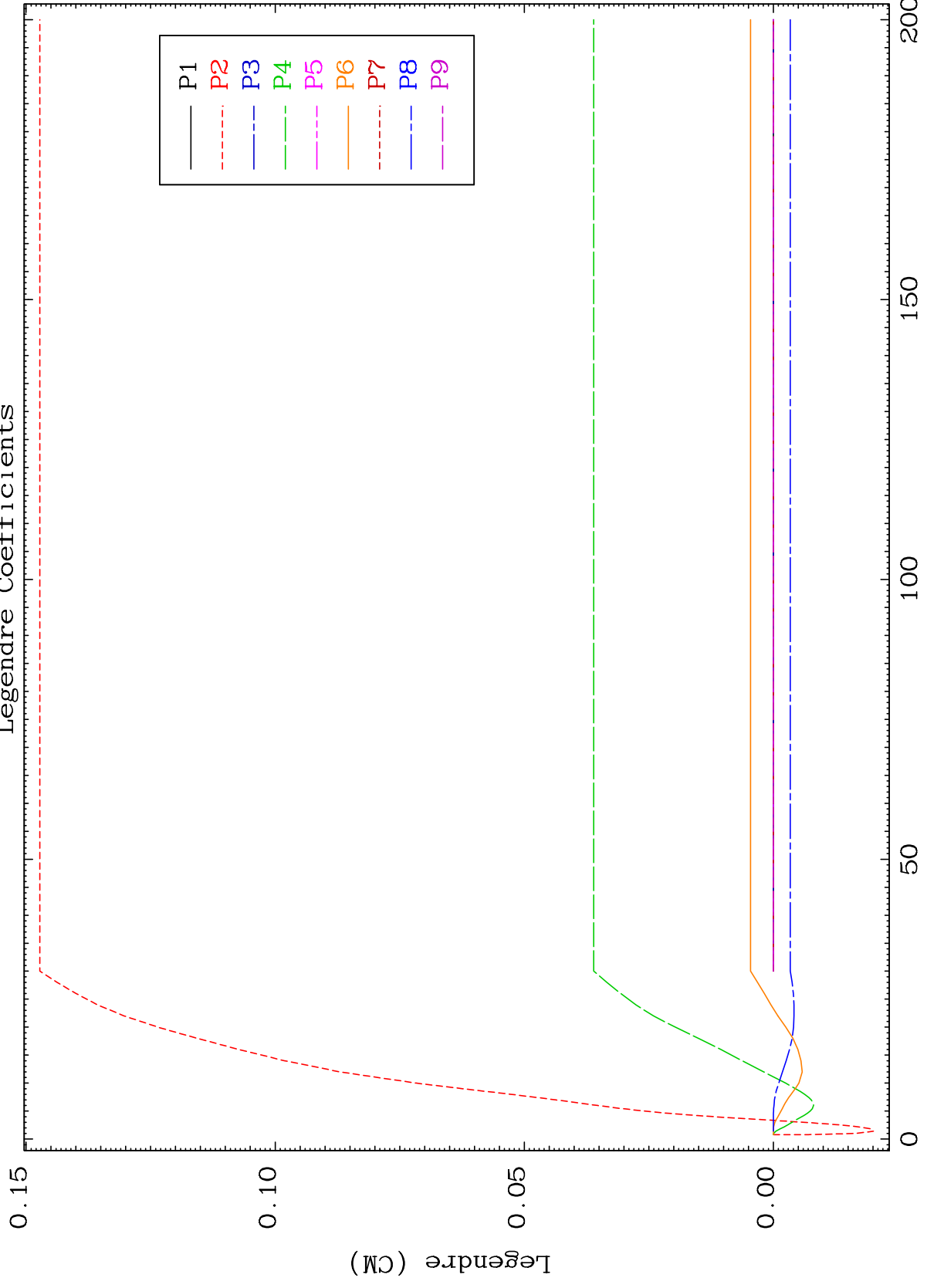


52-Te-119

Incident Energy (MeV)

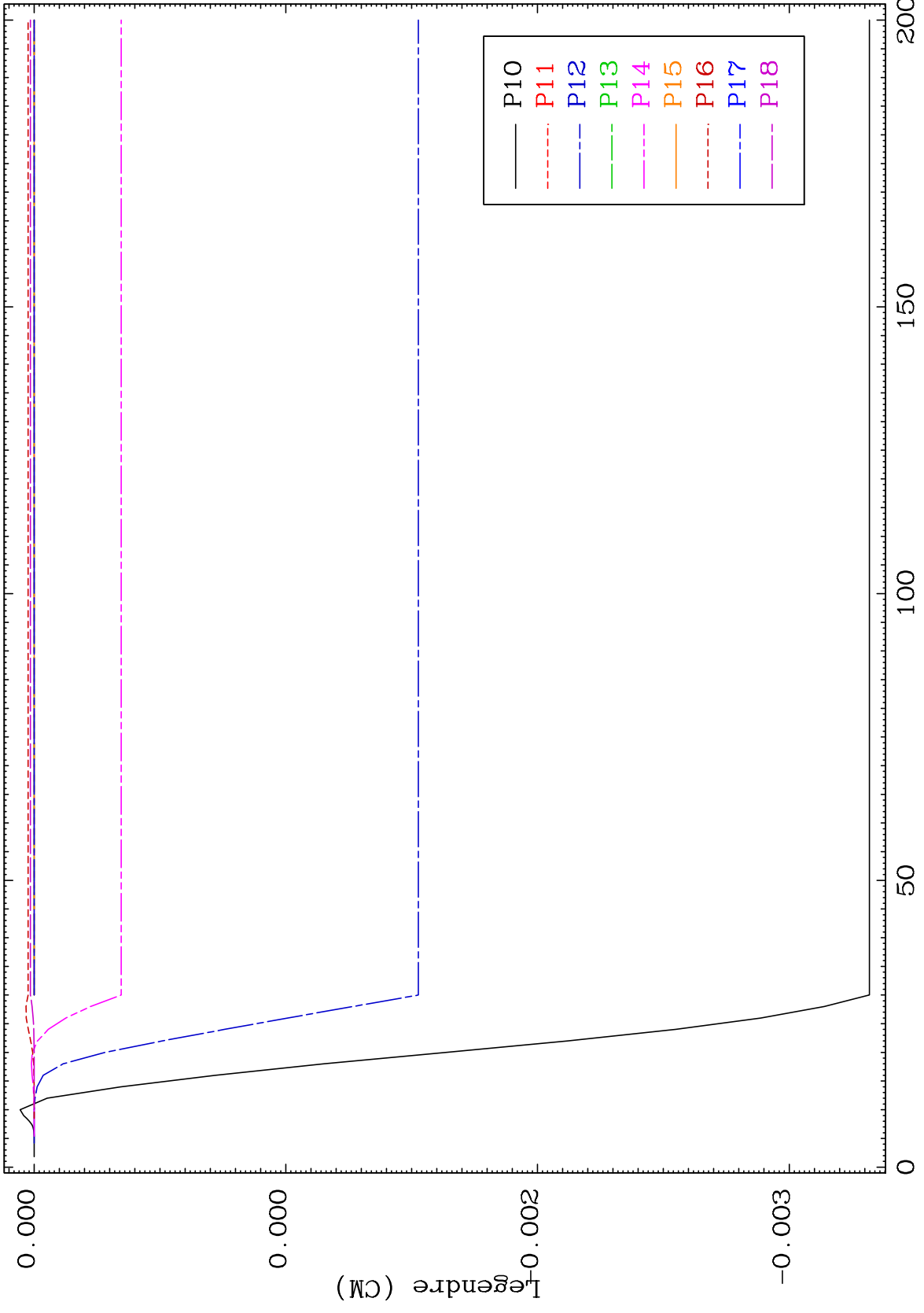
69

MAT 5222 MT= 67 (n,n') Level Legendre Coefficients 52-Te-119



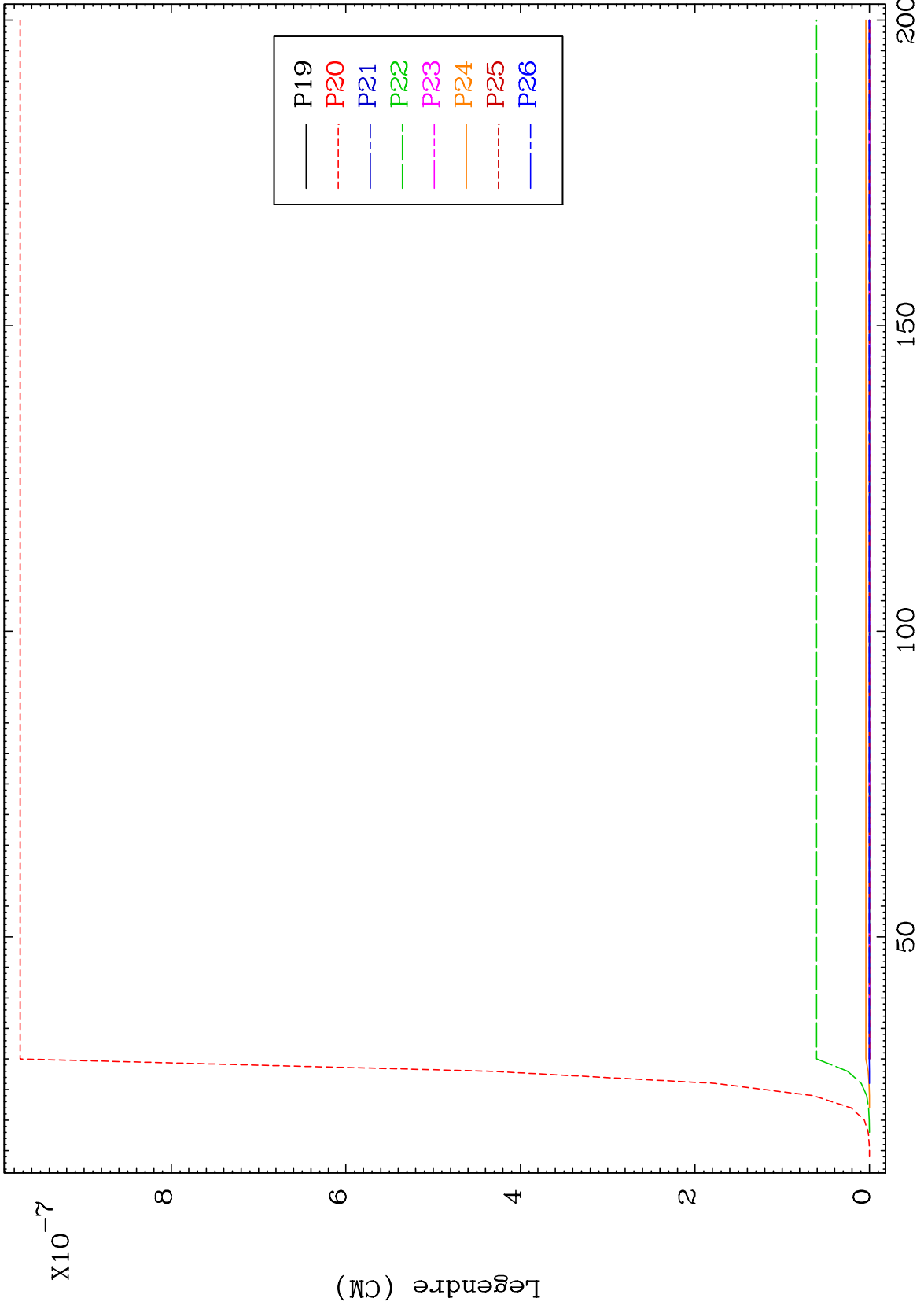
70 Incident Energy (MeV) 52-Te-119

MAT 5222 MT= 67 (n,n') Level Legendre Coefficients 52-Te-119



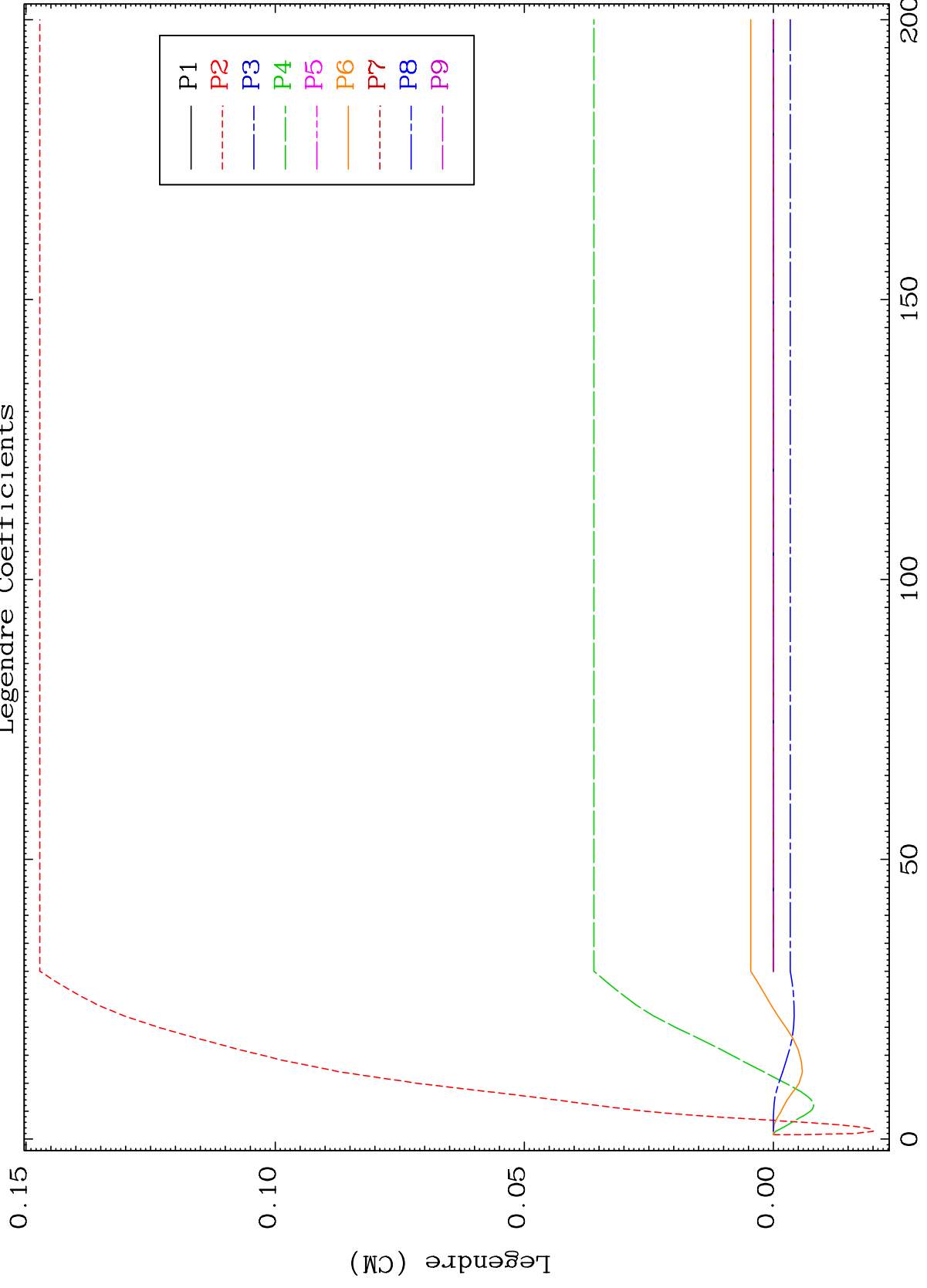
71 52-Te-119

MAT 5222 MT= 67 (n,n') Level Legendre Coefficients 52-Te-119



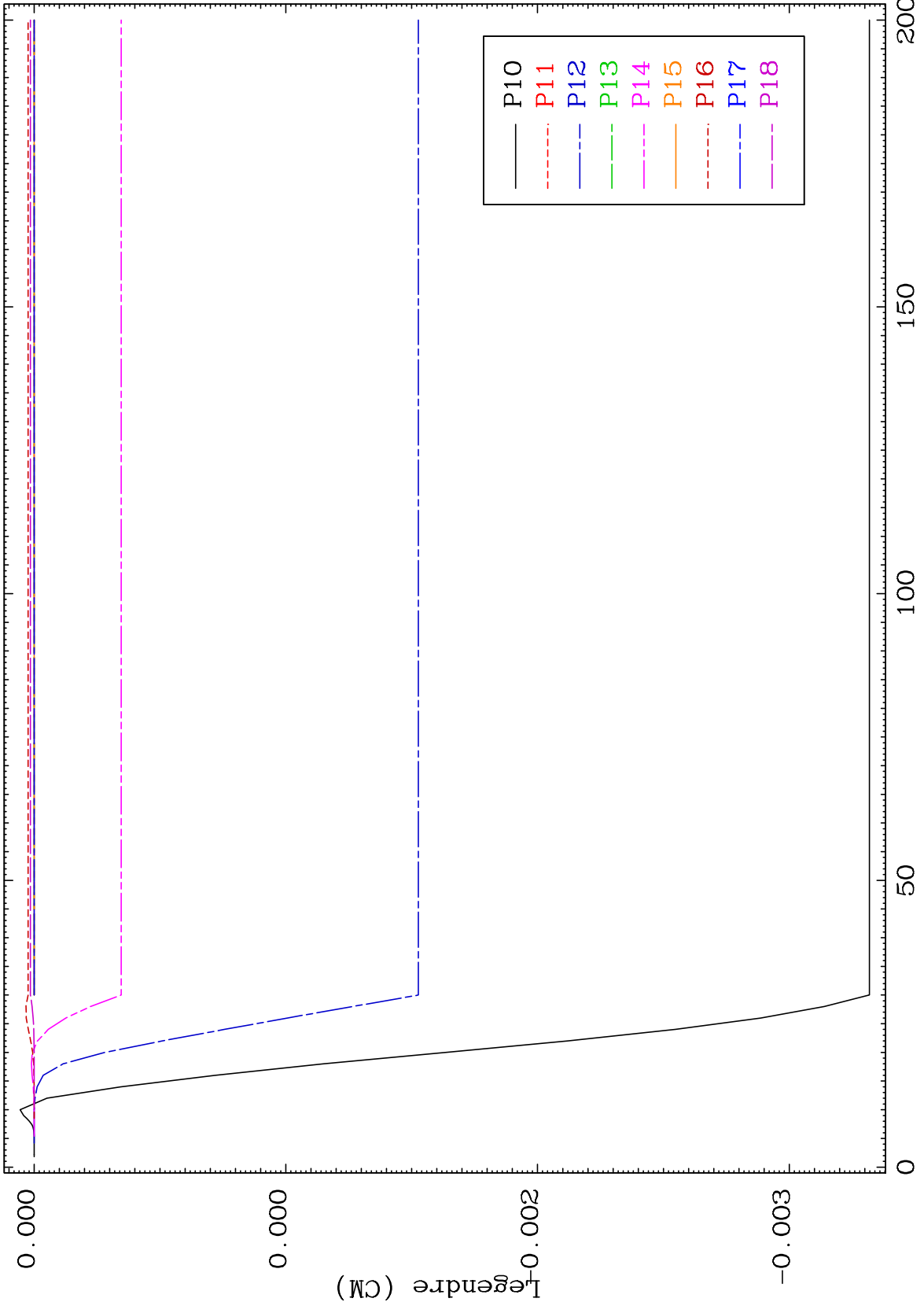
72 52-Te-119

MAT 5222 MT= 68 (n,n') Level Legendre Coefficients 52-Te-119



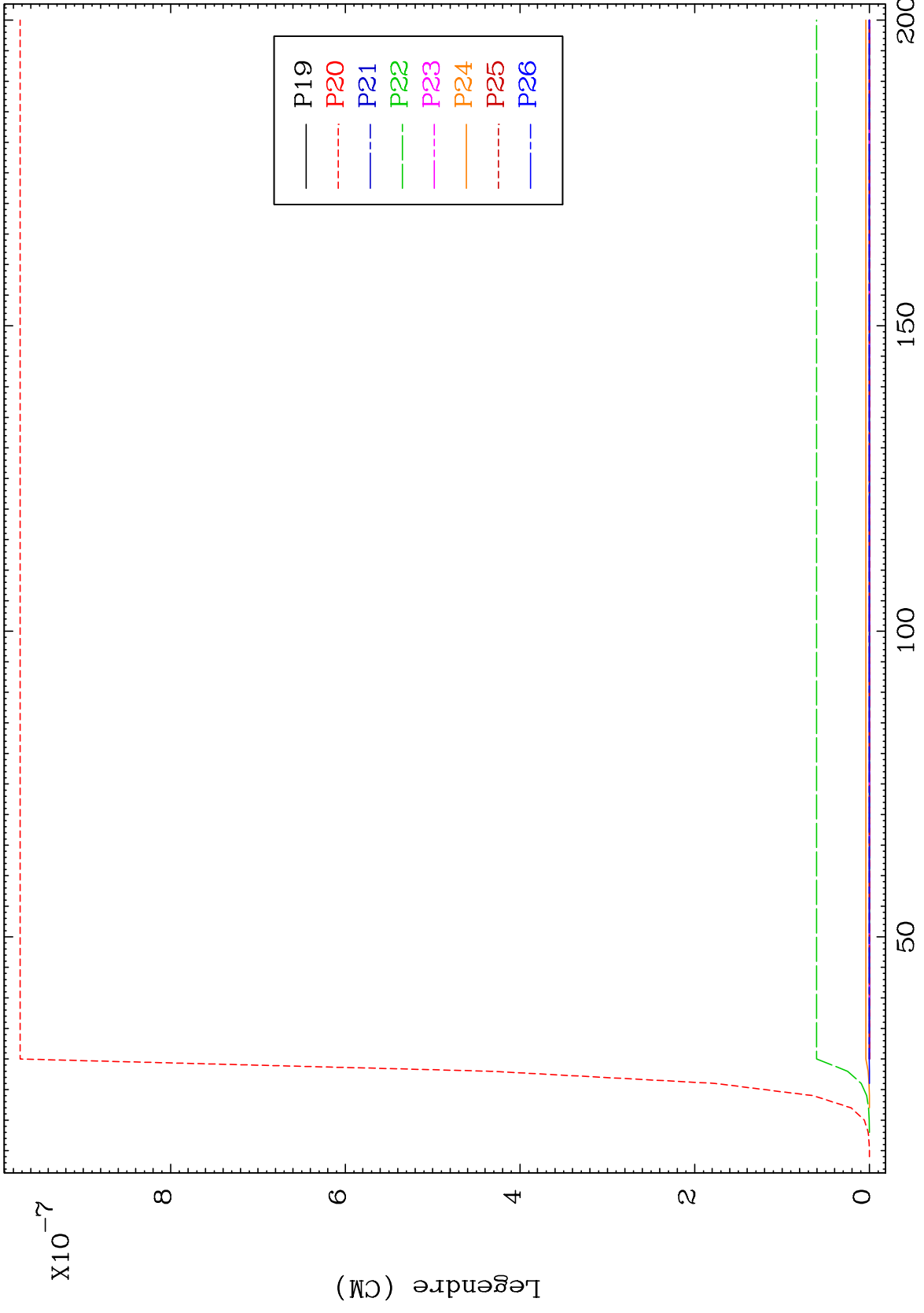
73 52-Te-119

MAT 5222 MT= 68 (n,n') Level Legendre Coefficients 52-Te-119



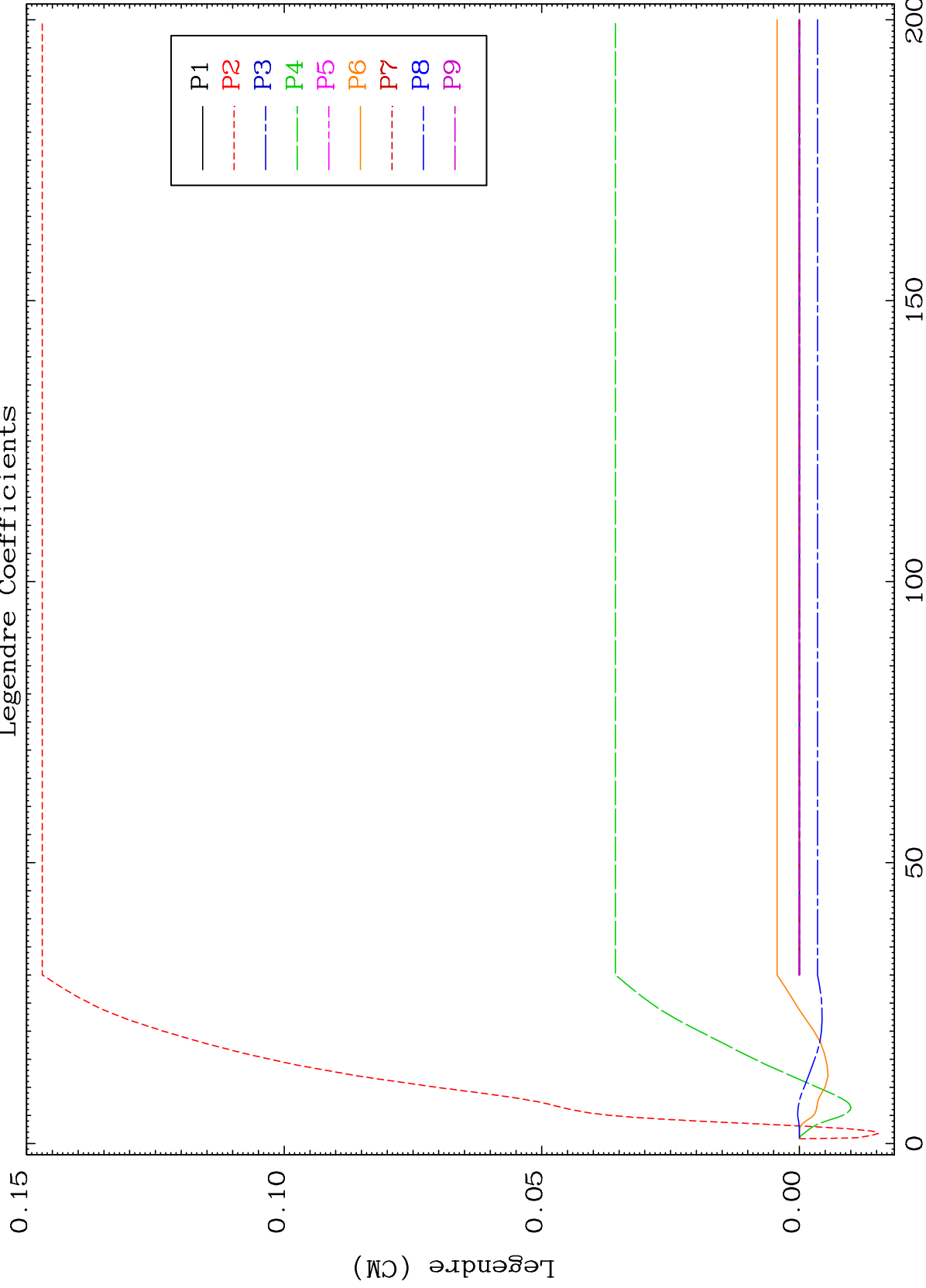
74 52-Te-119

MAT 5222 MT= 68 (n,n') Level Legendre Coefficients 52-Te-119



75 50 100 150 200 Incident Energy (MeV) 52-Te-119

MAT 5222 MT= 69 (n,n') Level Legendre Coefficients 52-Te-119

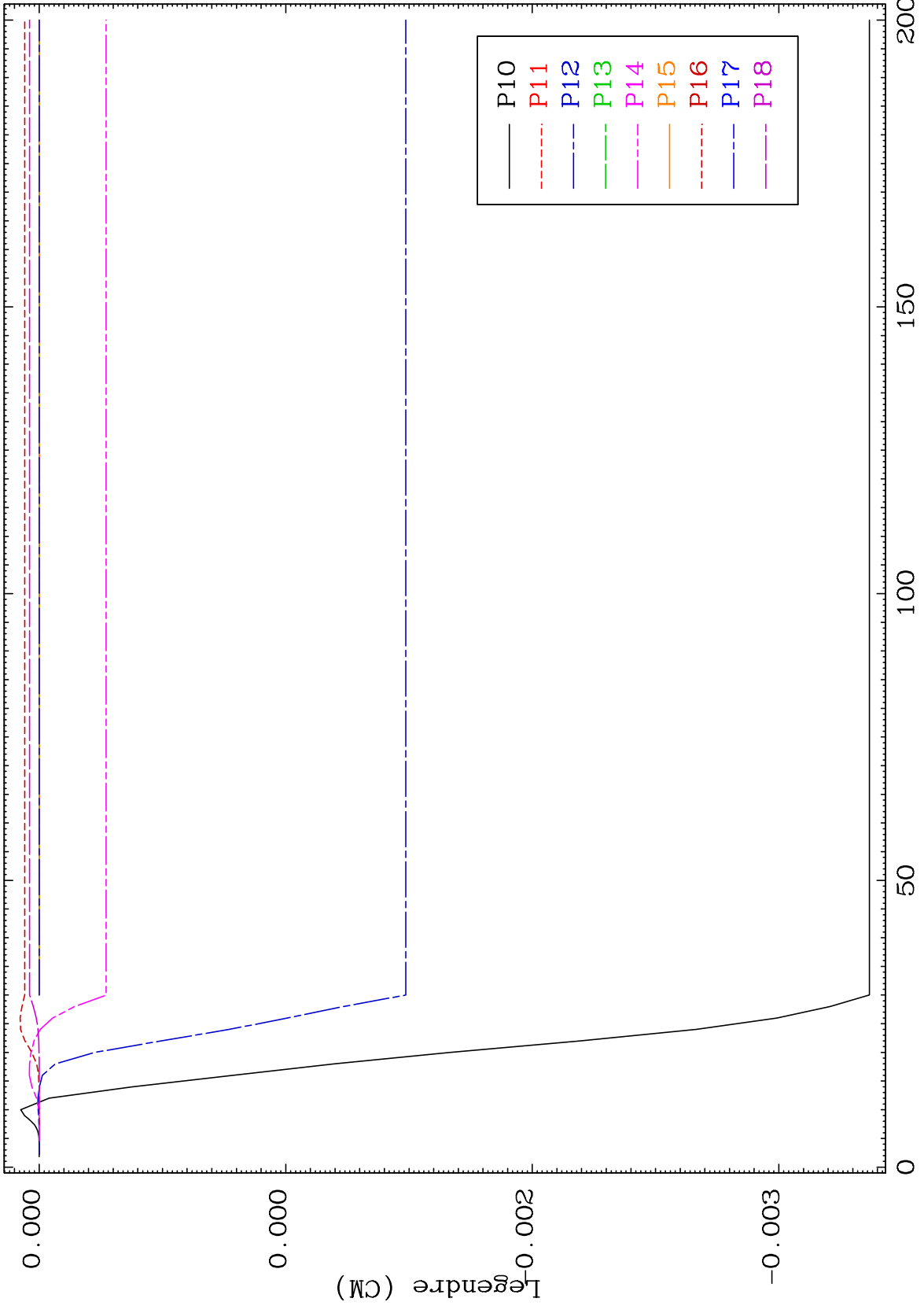


76 52-Te-119

MAT 5222

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

52-Te-119

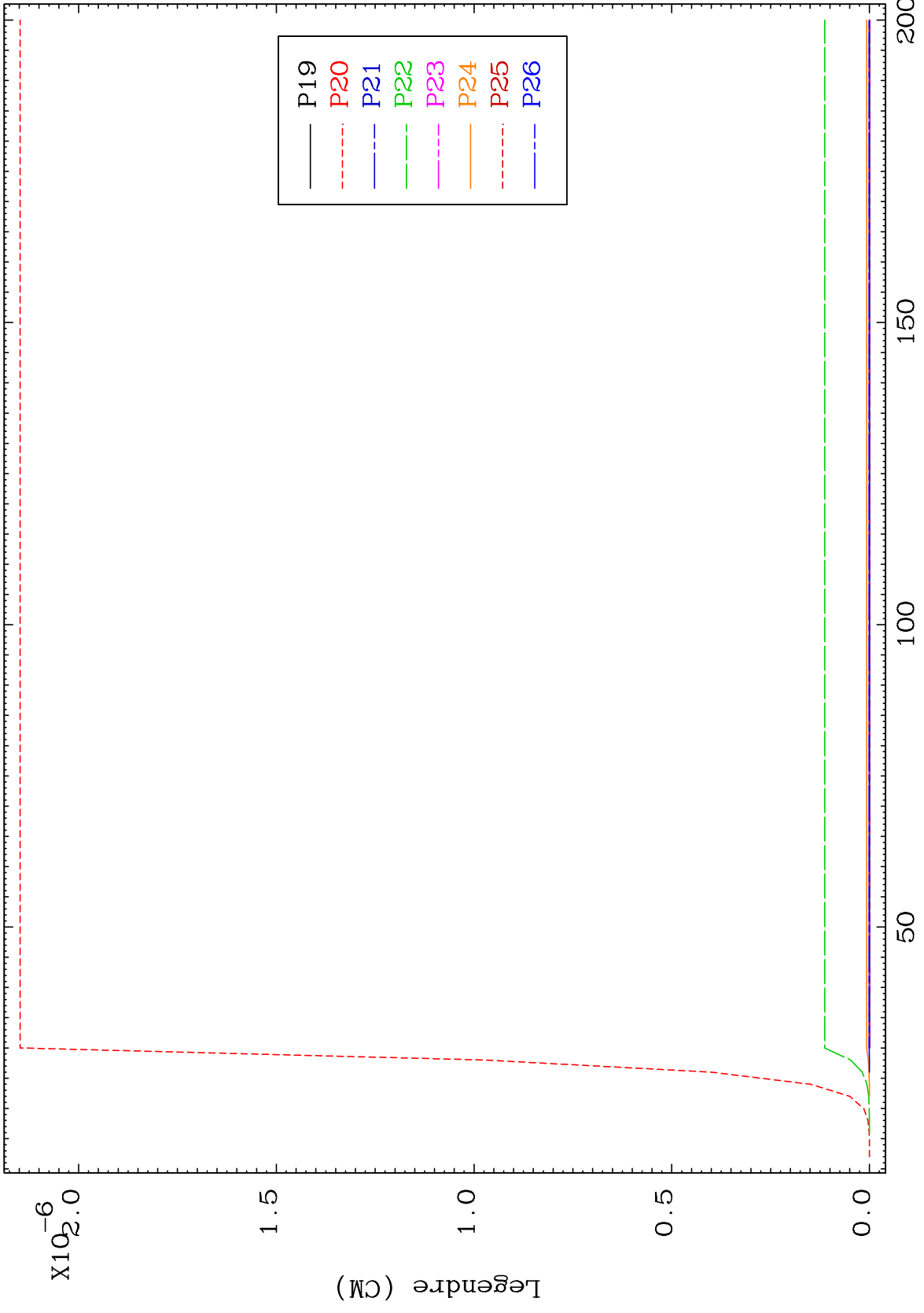


52-Te-119

Incident Energy (MeV)

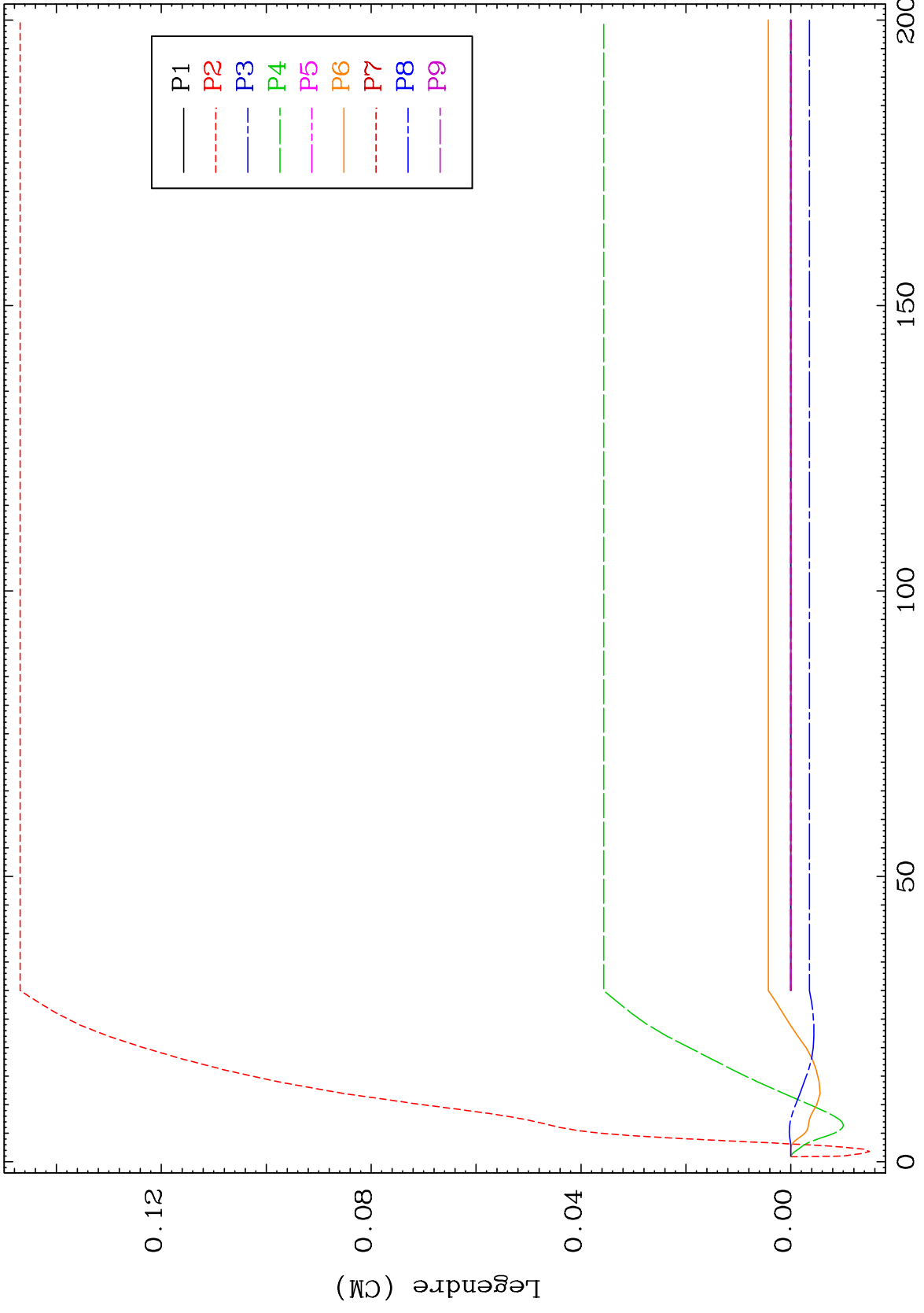
77

MAT 5222 MT= 69 (n,n') Level Legendre Coefficients 52-Te-119



78 Incident Energy (MeV) 52-Te-119

MAT 5222 MT= 70 (n,n') Level Legendre Coefficients 52-Te-119

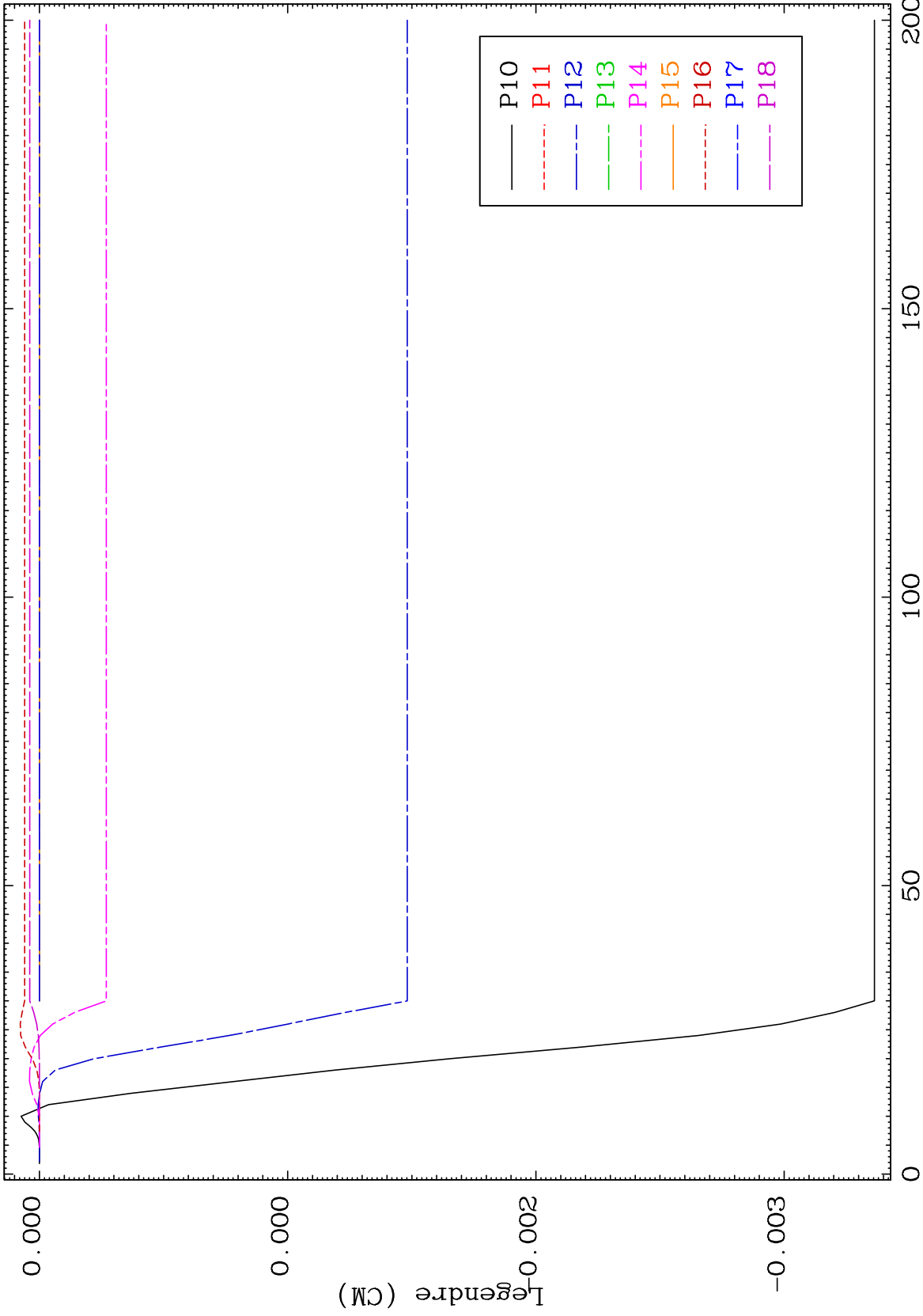


79 Incident Energy (MeV) 52-Te-119

MAT 5222

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

52-Te-119

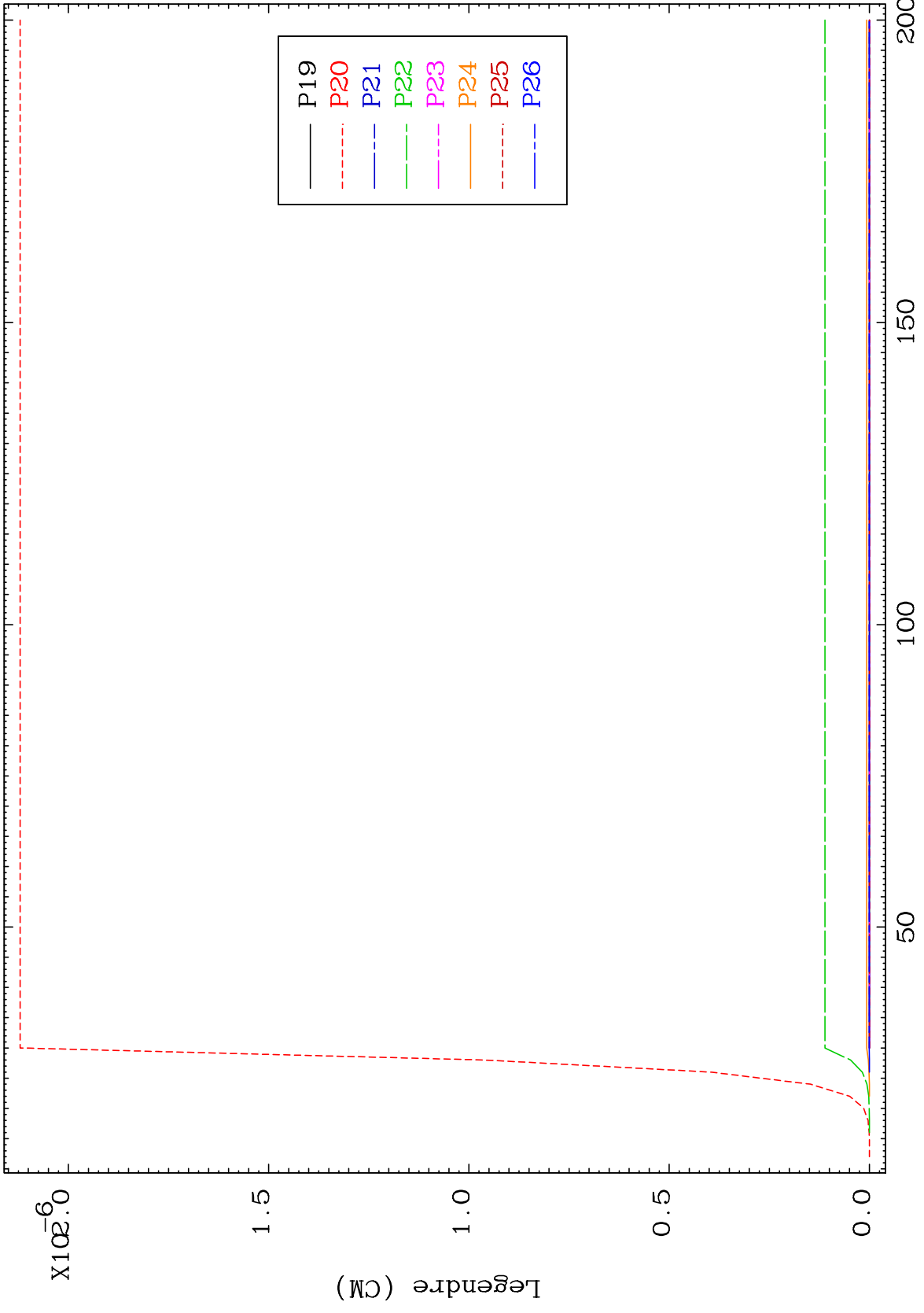


80

Incident Energy (MeV)

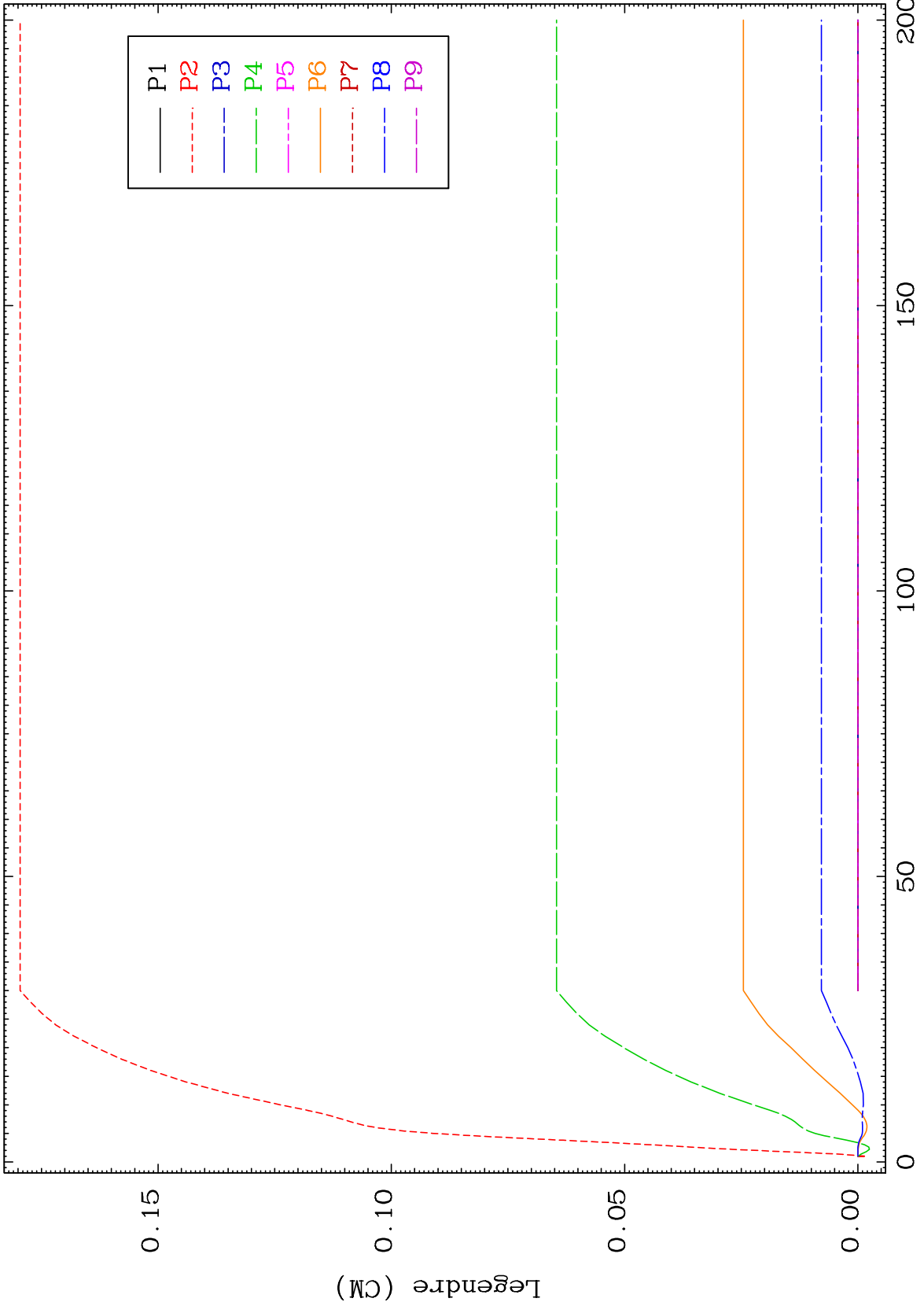
52-Te-119

MAT 5222 MT= 70 (n,n') Level Legendre Coefficients 52-Te-119



81 52-Te-119

MAT 5222 MT= 71 (n,n') Level Legendre Coefficients 52-Te-119

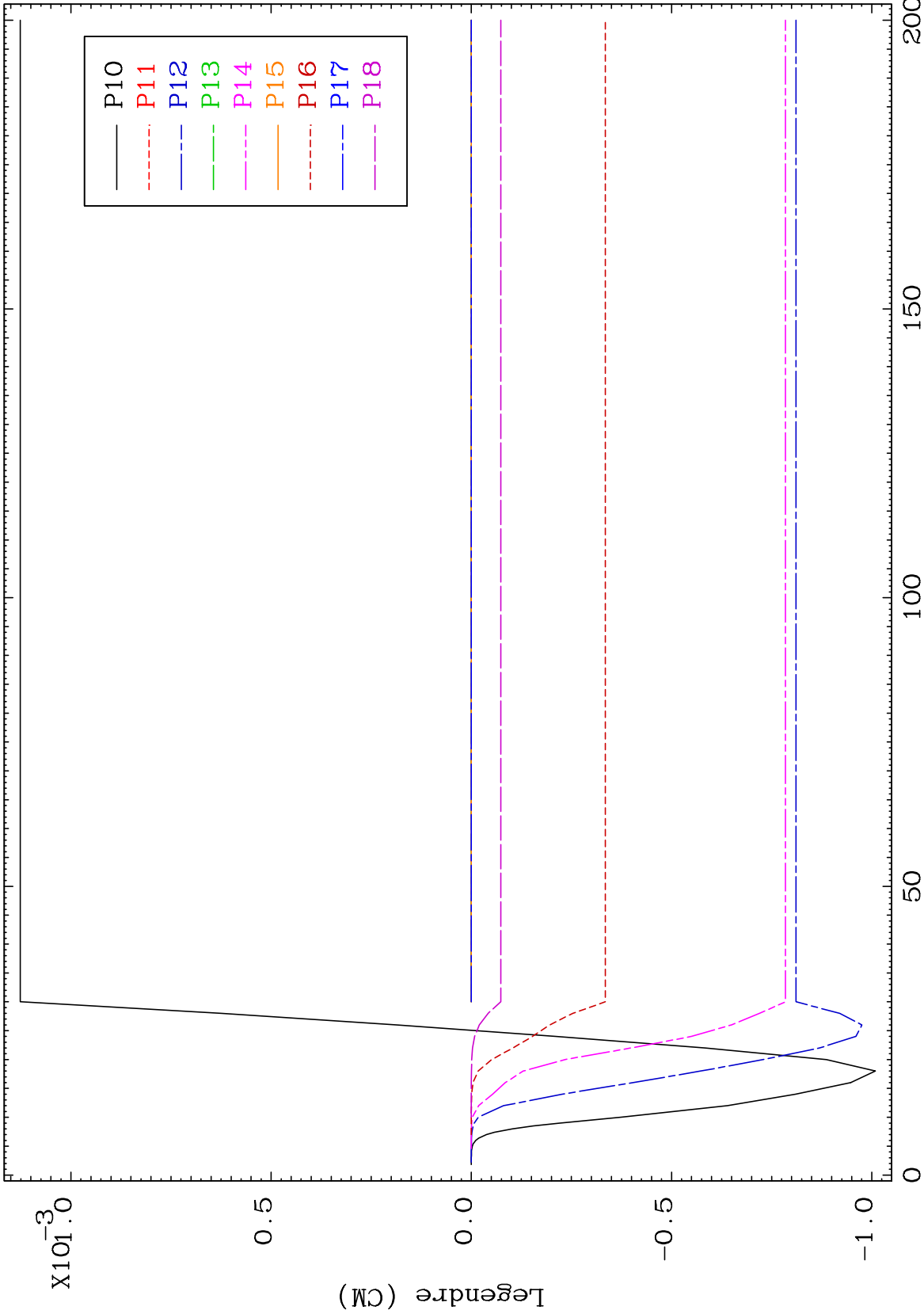


82 52-Te-119

MAT 5222

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

52-Te-119



83

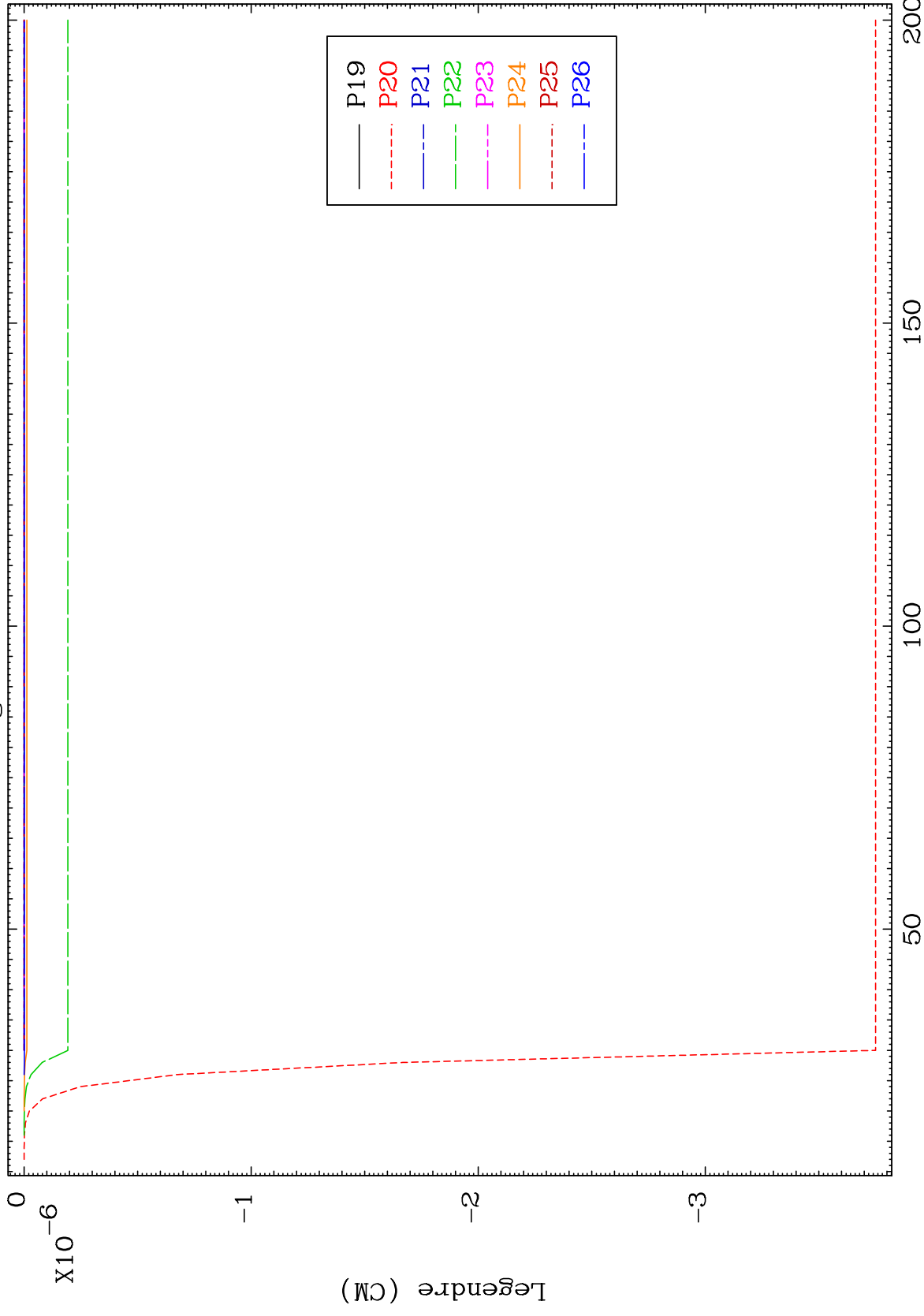
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119

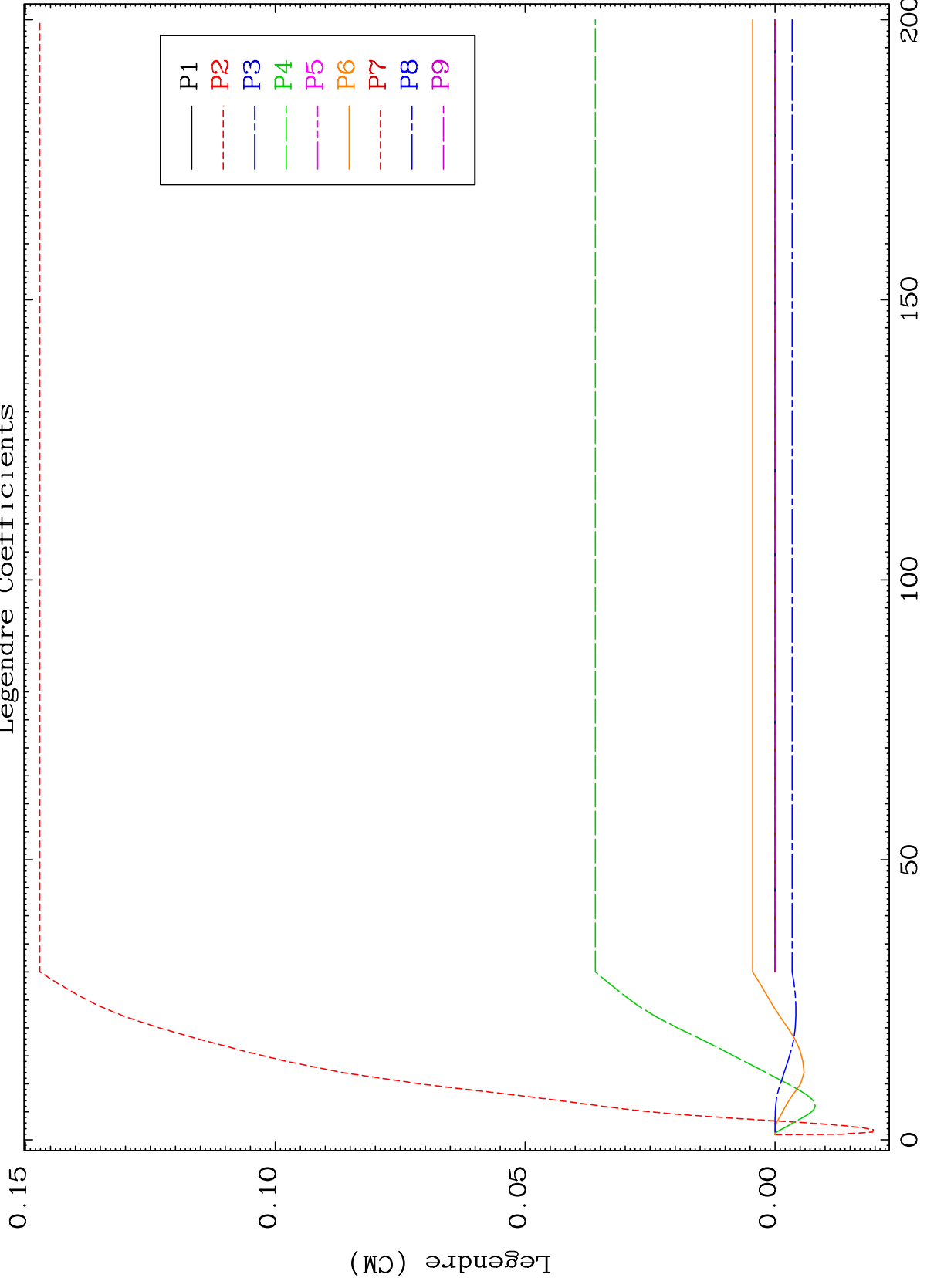


52-Te-119

Incident Energy (MeV)

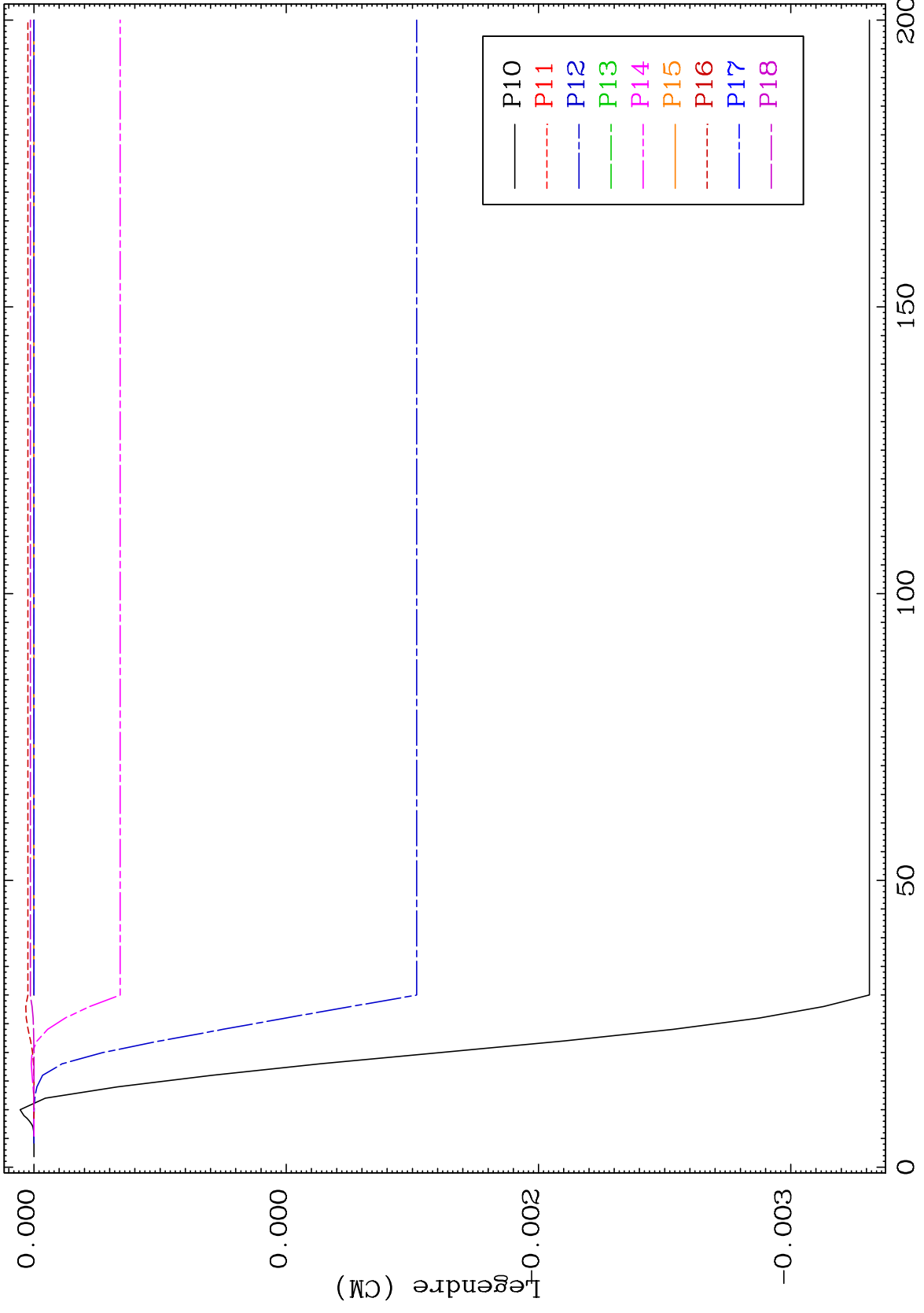
84

MAT 5222 MT= 72 (n,n') Level Legendre Coefficients 52-Te-119

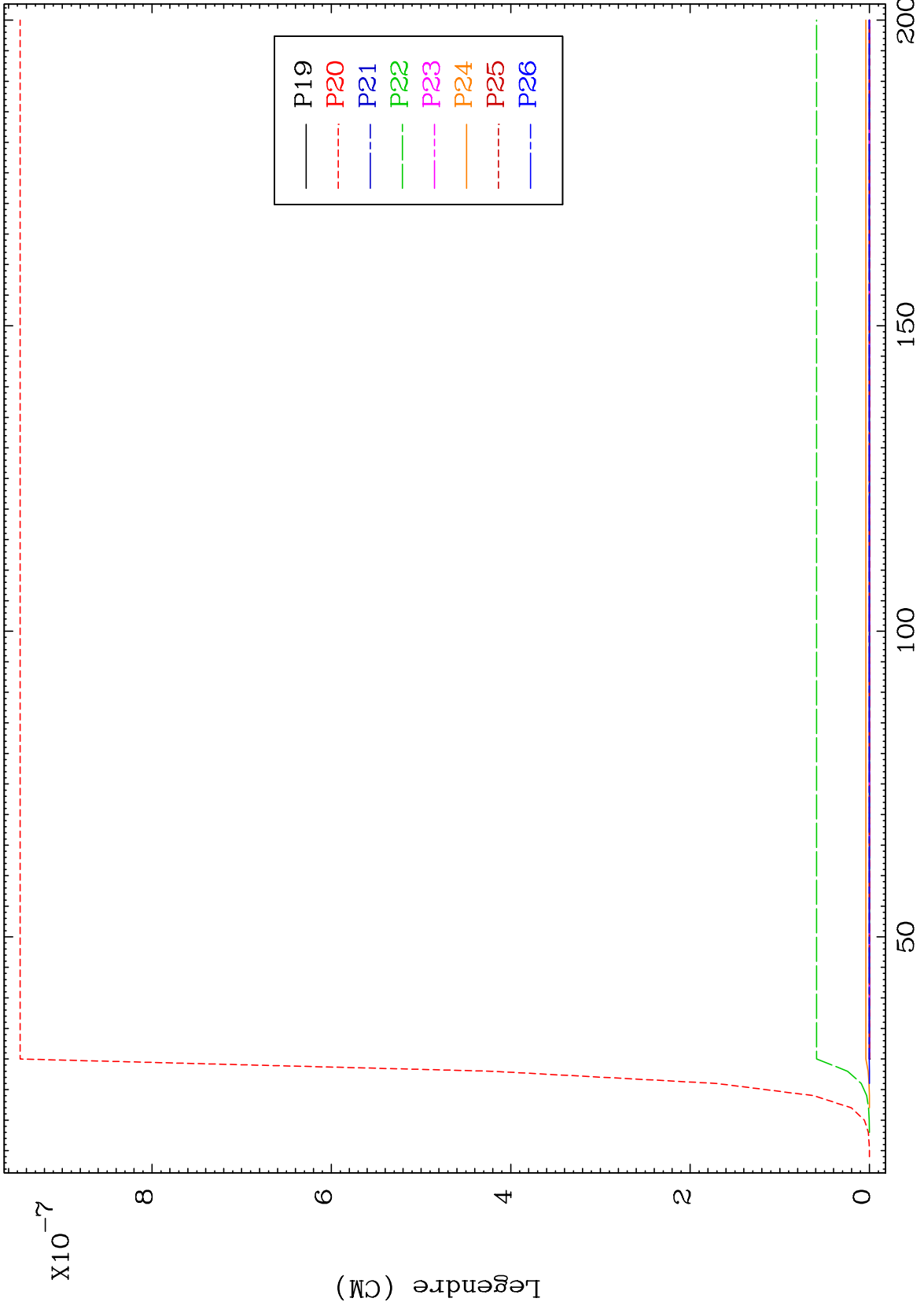


85 Incident Energy (MeV) 200 52-Te-119

MAT 5222 MT= 72 (n,n') Level Legendre Coefficients 52-Te-119



MAT 5222 MT= 72 (n,n') Level Legendre Coefficients 52-Te-119

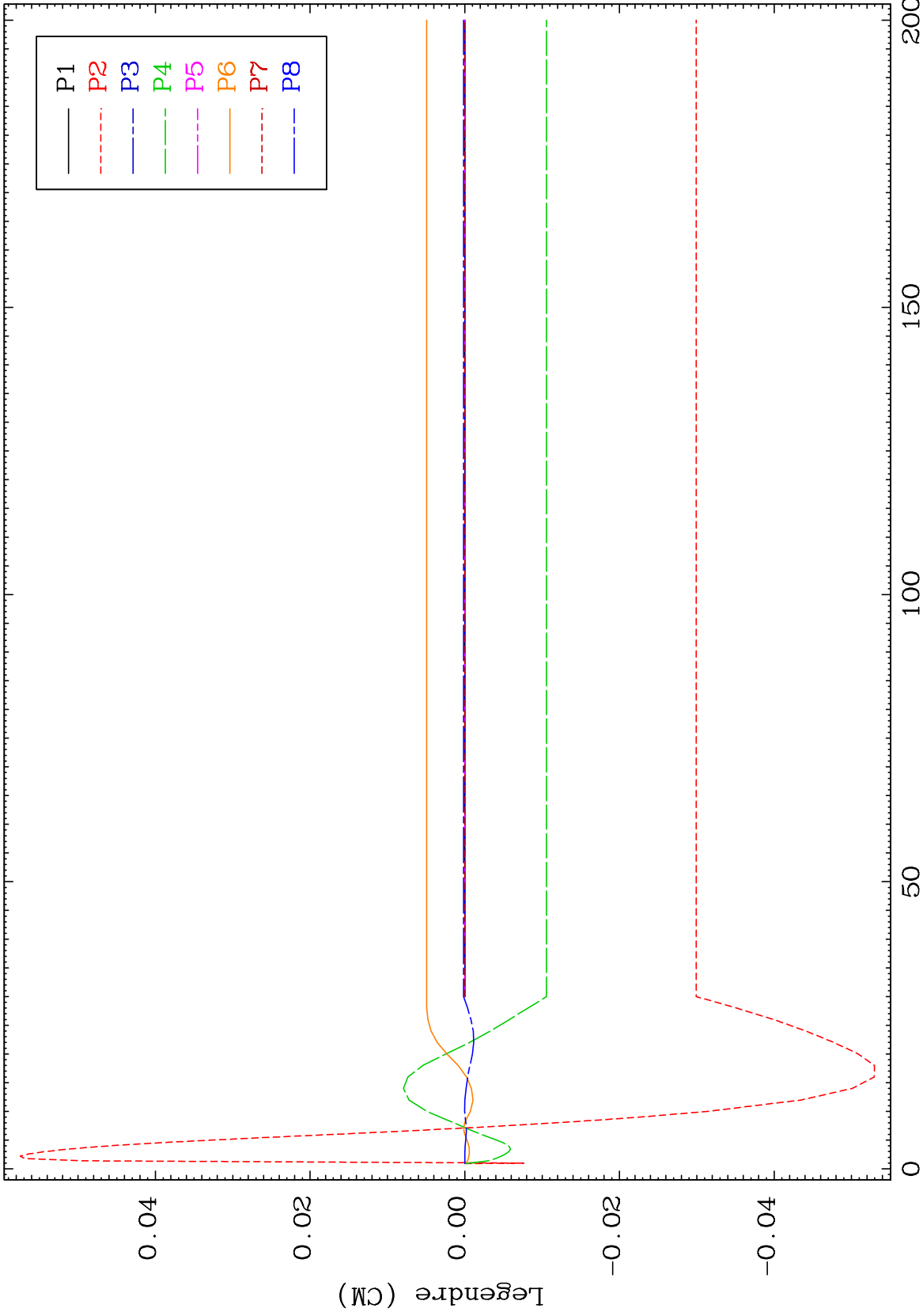


87 52-Te-119

MAT 5222

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

52-Te-119

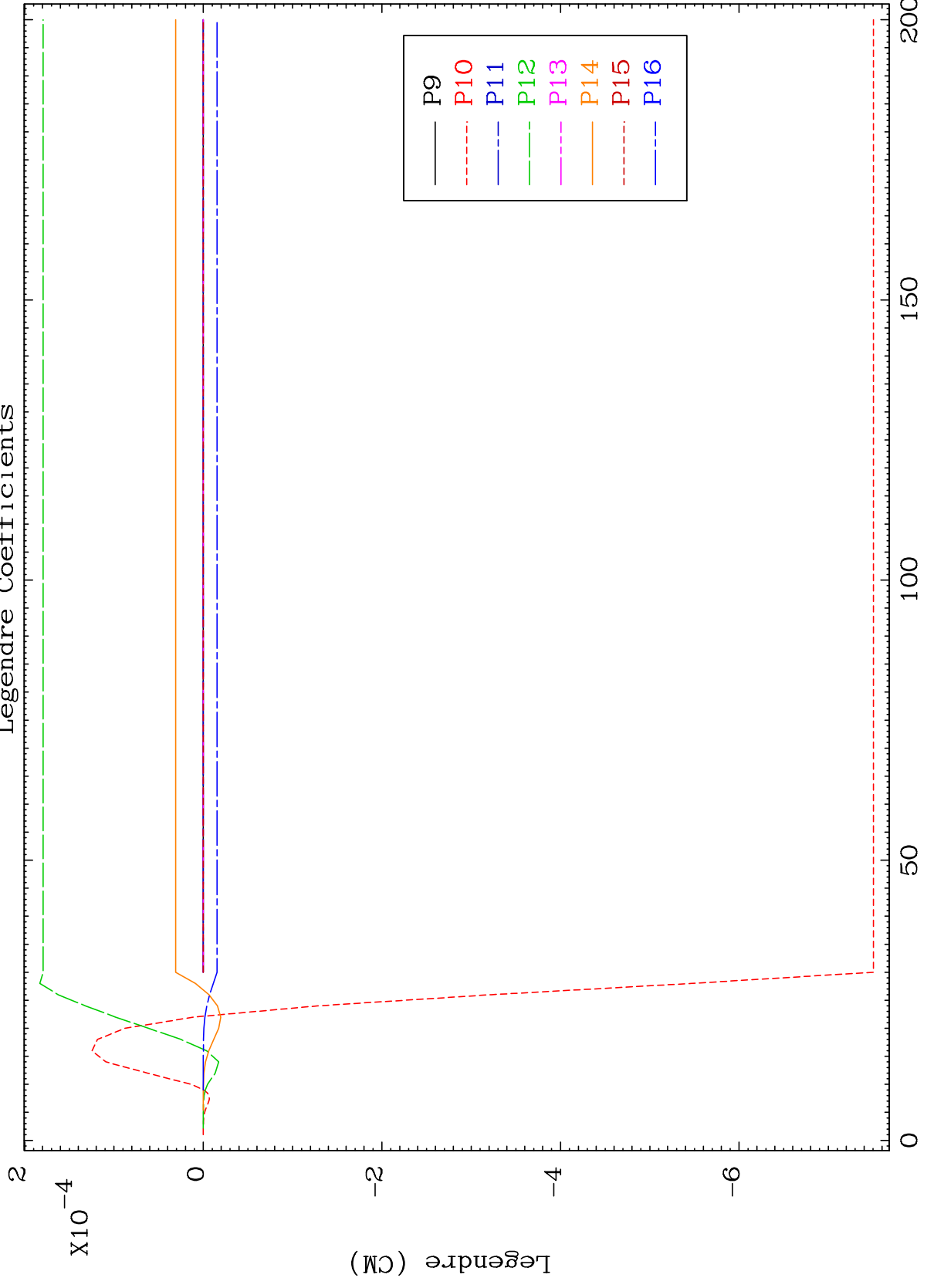


88

Incident Energy (MeV)

52-Te-119

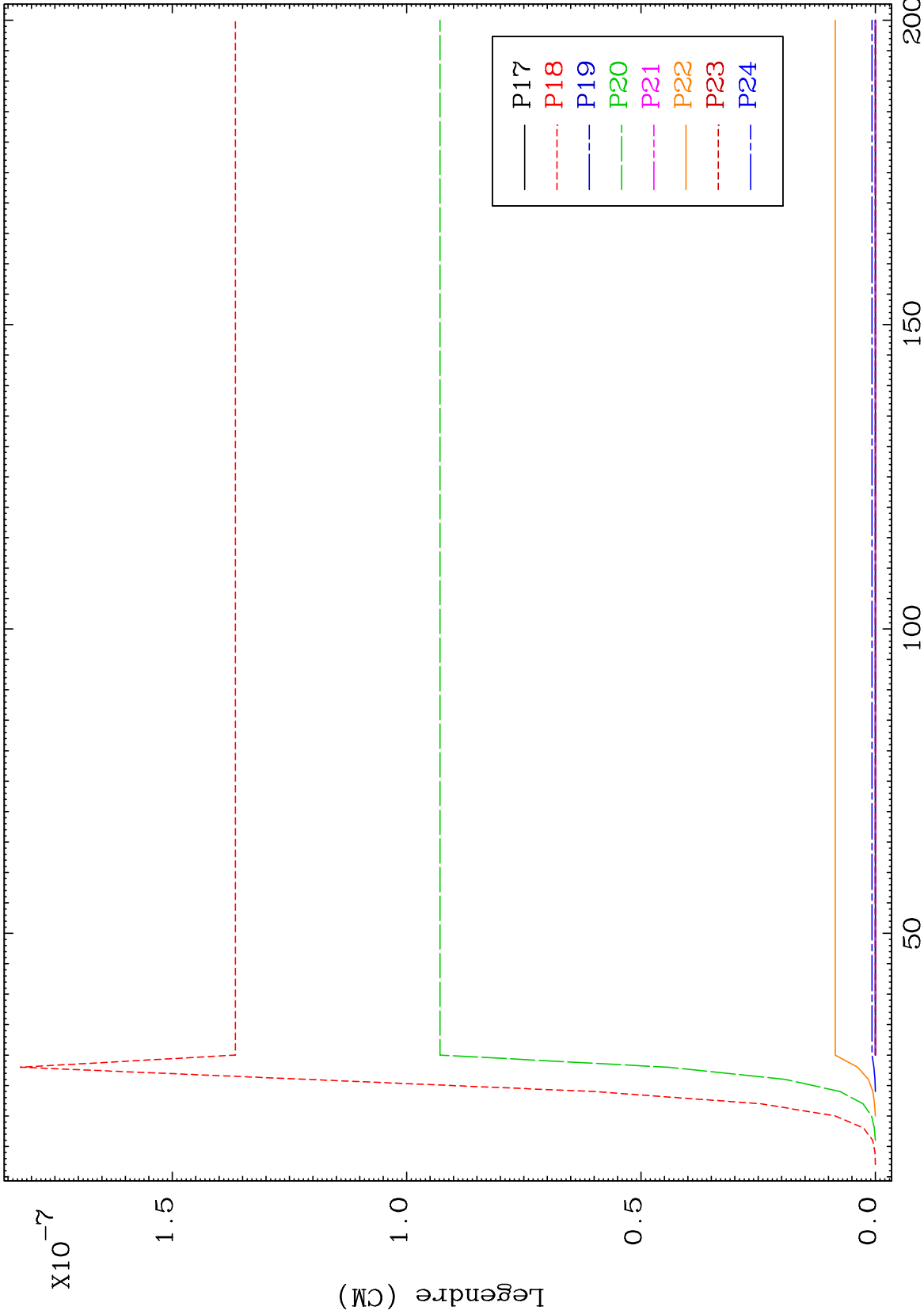
MAT 5222 MT= 73 (n,n') Level Legendre Coefficients 52-Te-119



MAT 5222

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

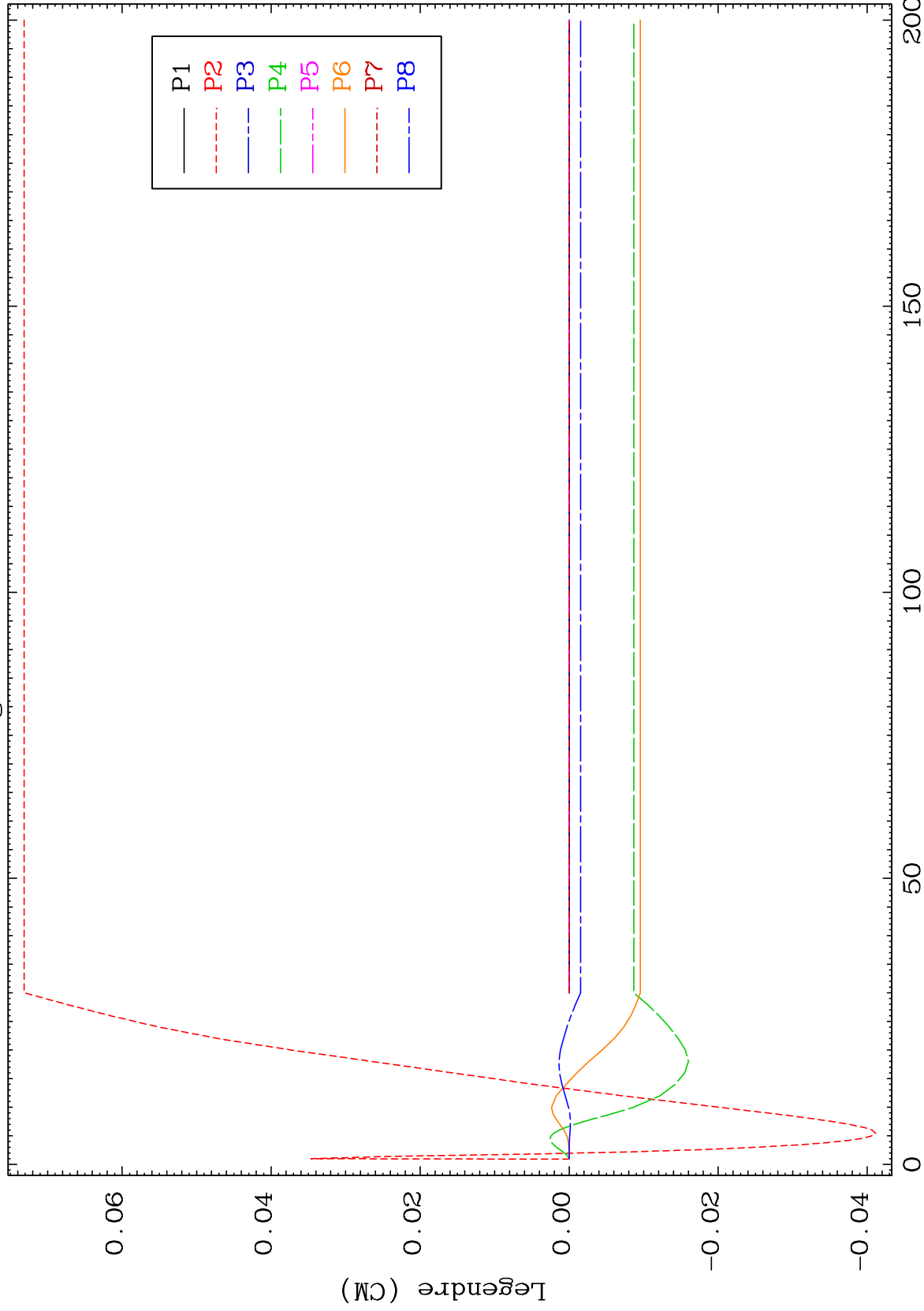
52-Te-119



MAT 5222

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

52-Te-119



91

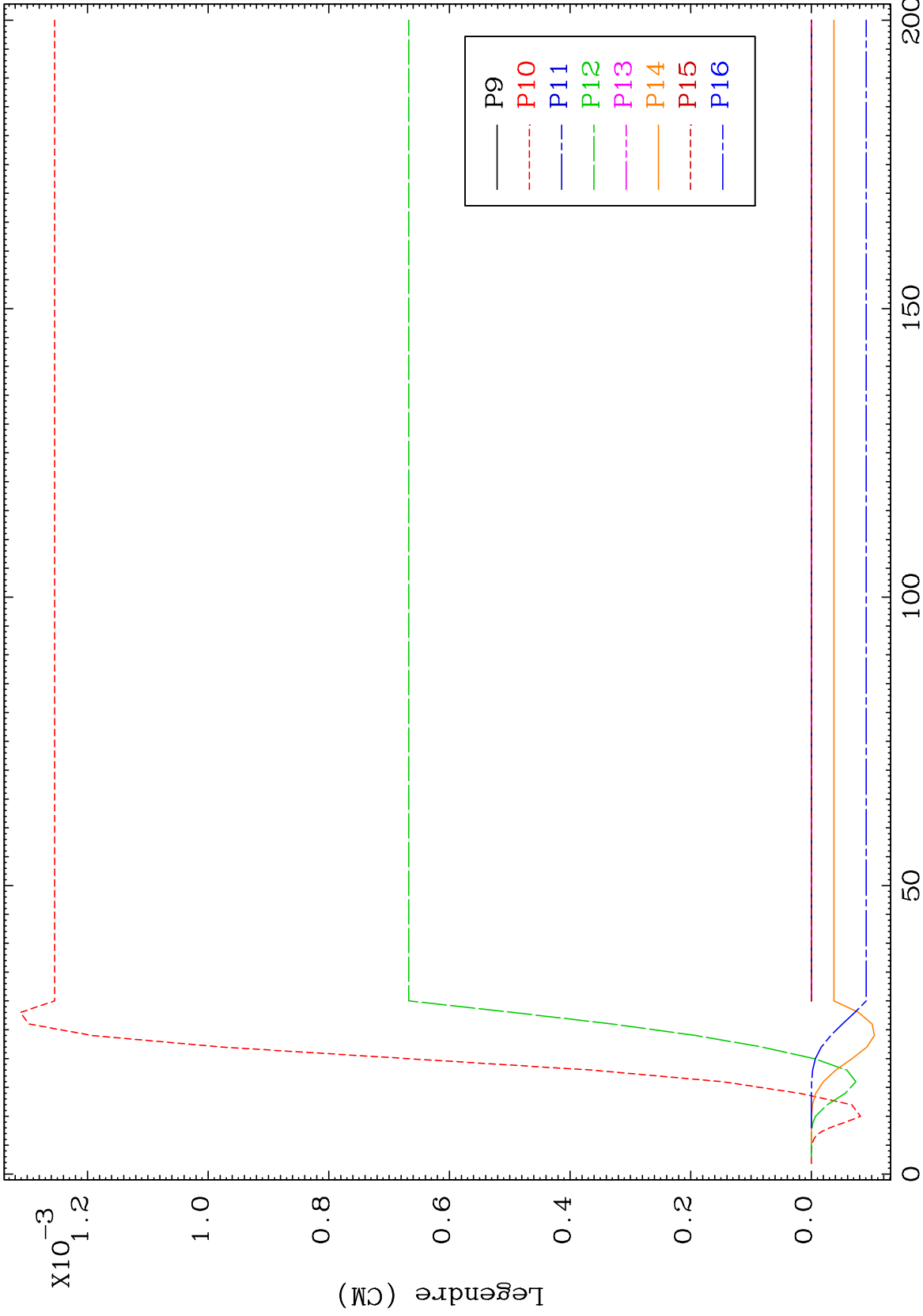
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



92

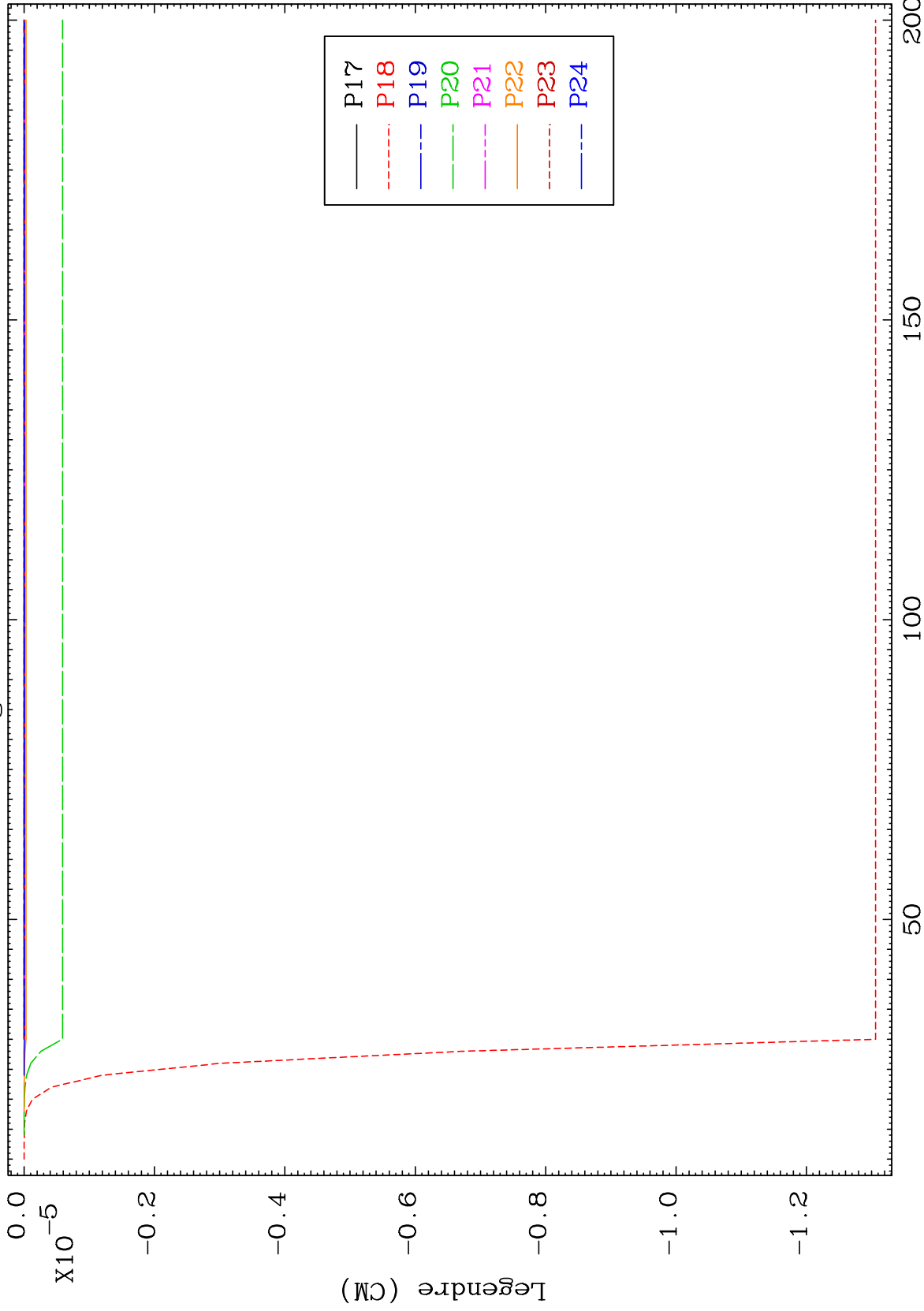
Incident Energy (MeV)

52-Te-119

MAT 5222

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

52-Te-119



93

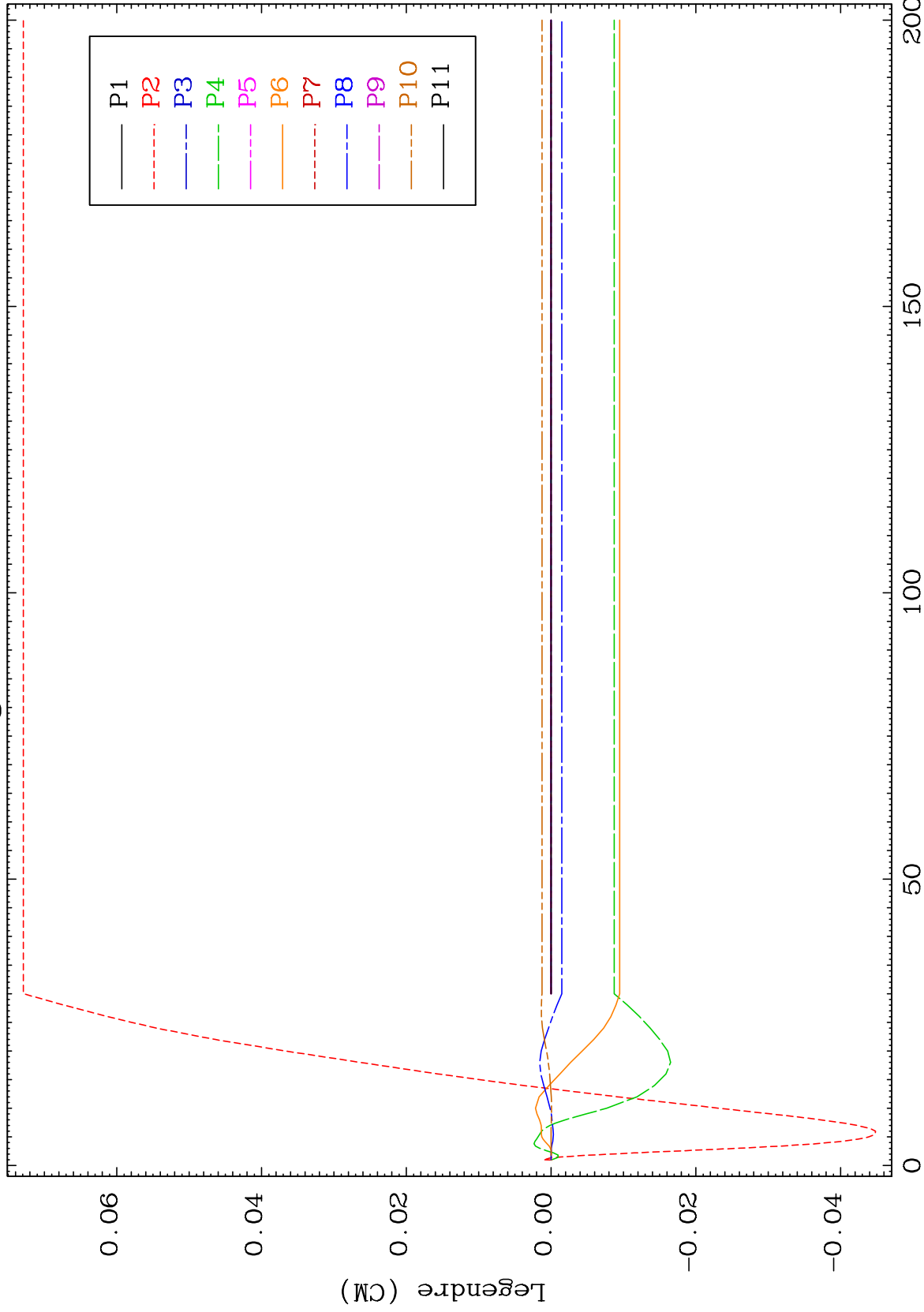
Incident Energy (MeV)

52-Te-119

MAT 5222

MT= 75 (n,n') Level
Legendre Coefficients

52-Te-119



94

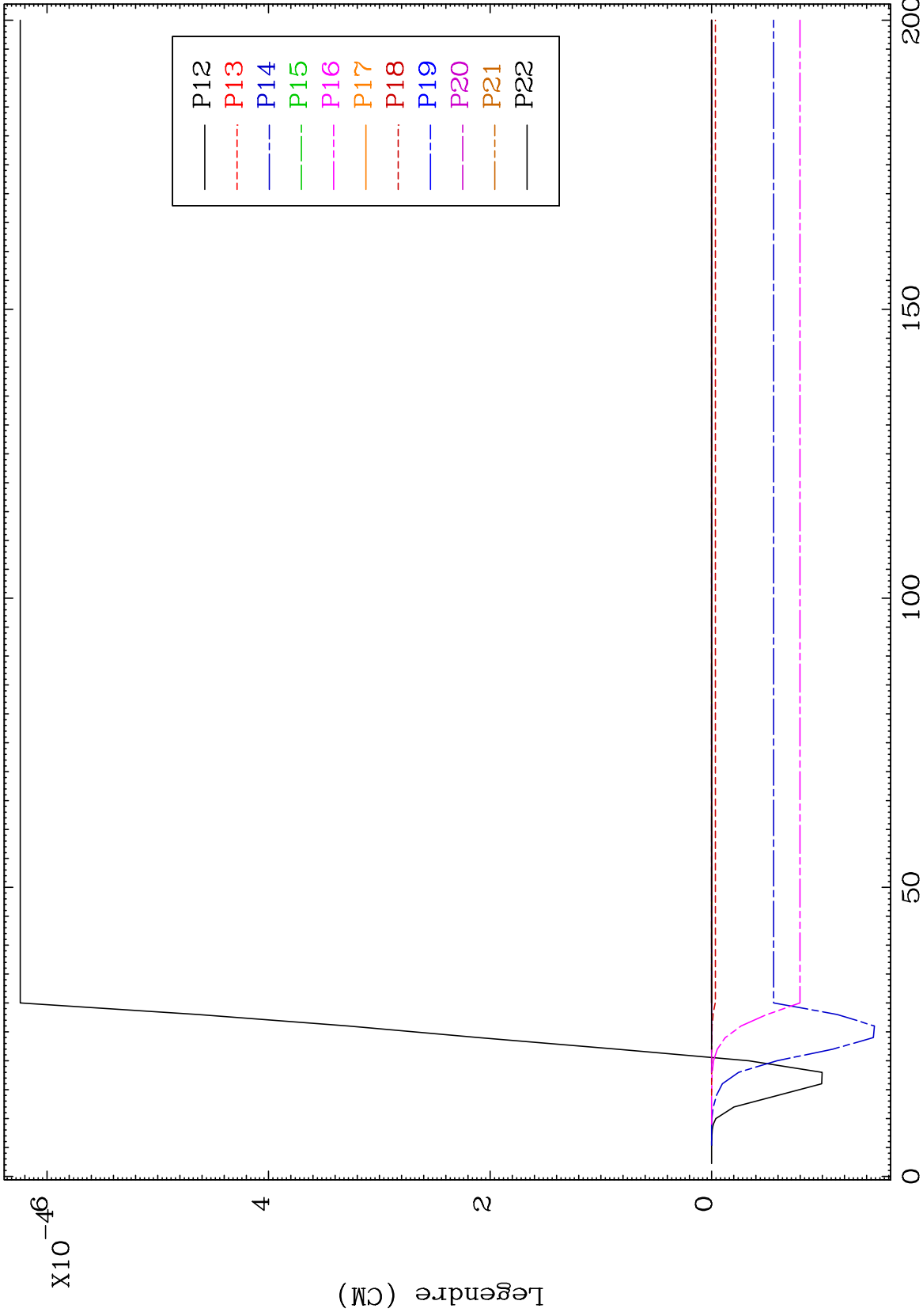
Incident Energy (MeV)

52-Te-119

MAT 5222

MT= 75 (n,n') Level
Legendre Coefficients

52-Te-119



95

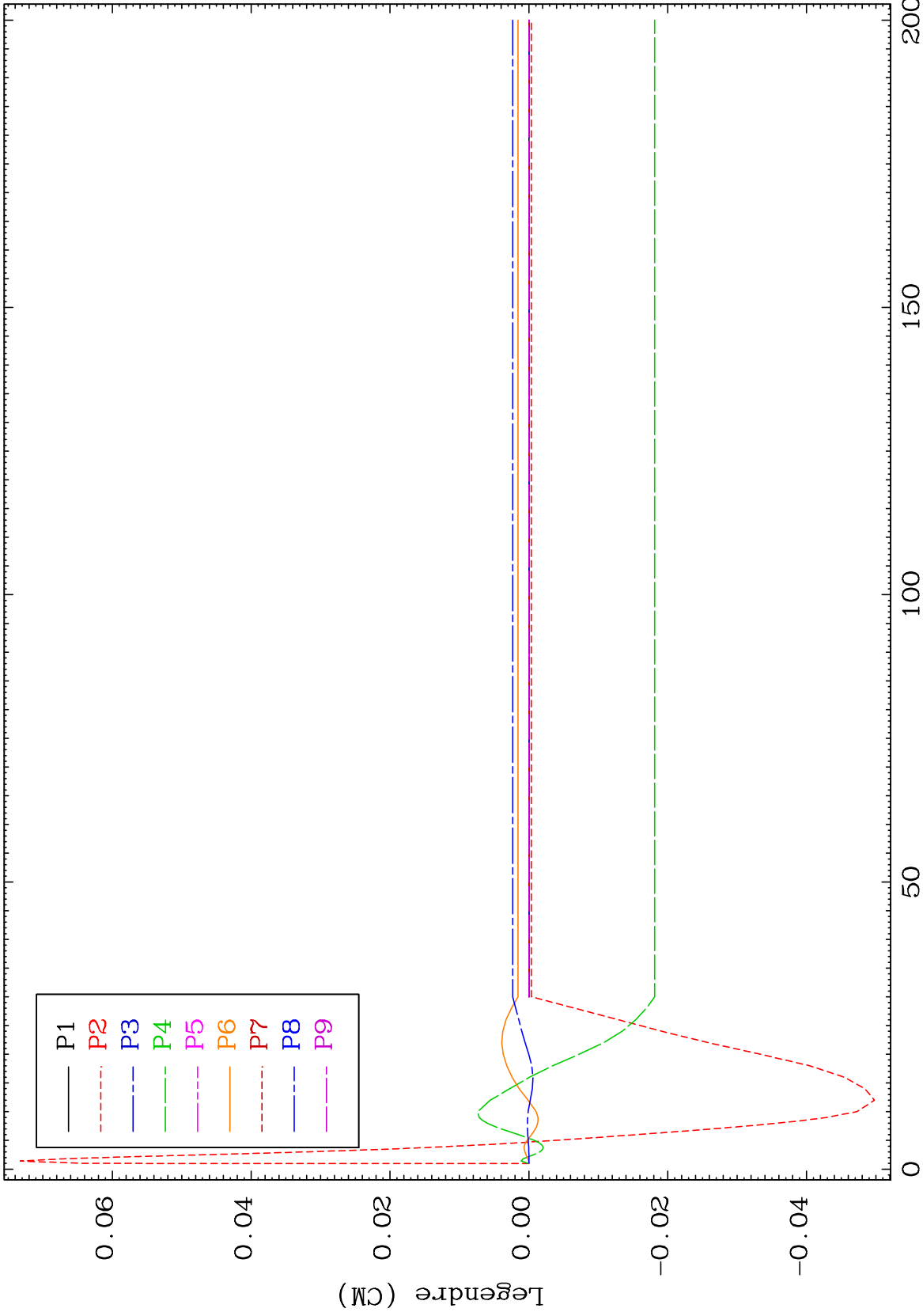
Incident Energy (MeV)

52-Te-119

MAT 5222

MT= 76 (n,n') Level
Legendre Coefficients

52-Te-119



96

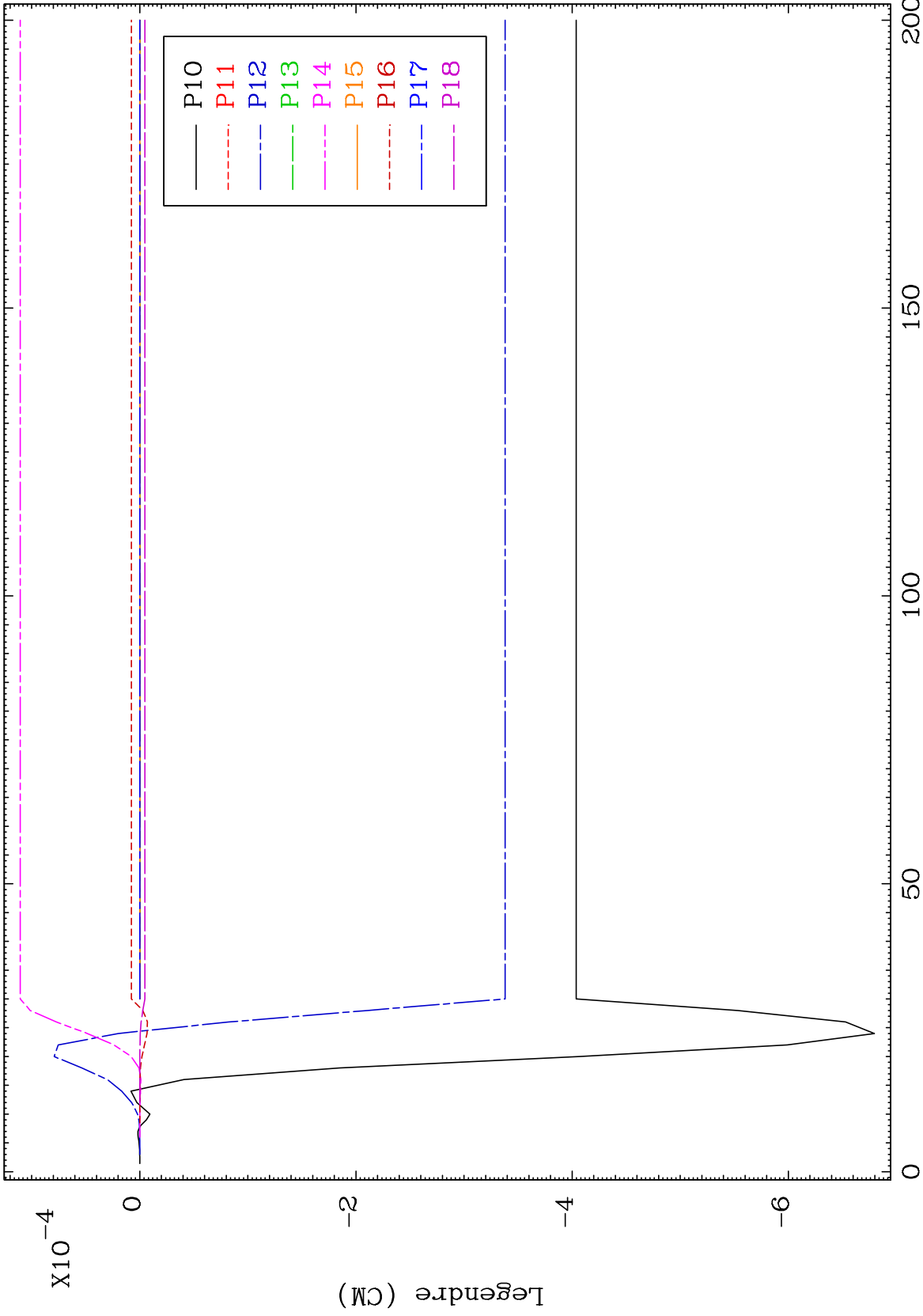
Incident Energy (MeV)

52-Te-119

MAT 5222

MT= 76 (n,n') Level
Legendre Coefficients

52-Te-119

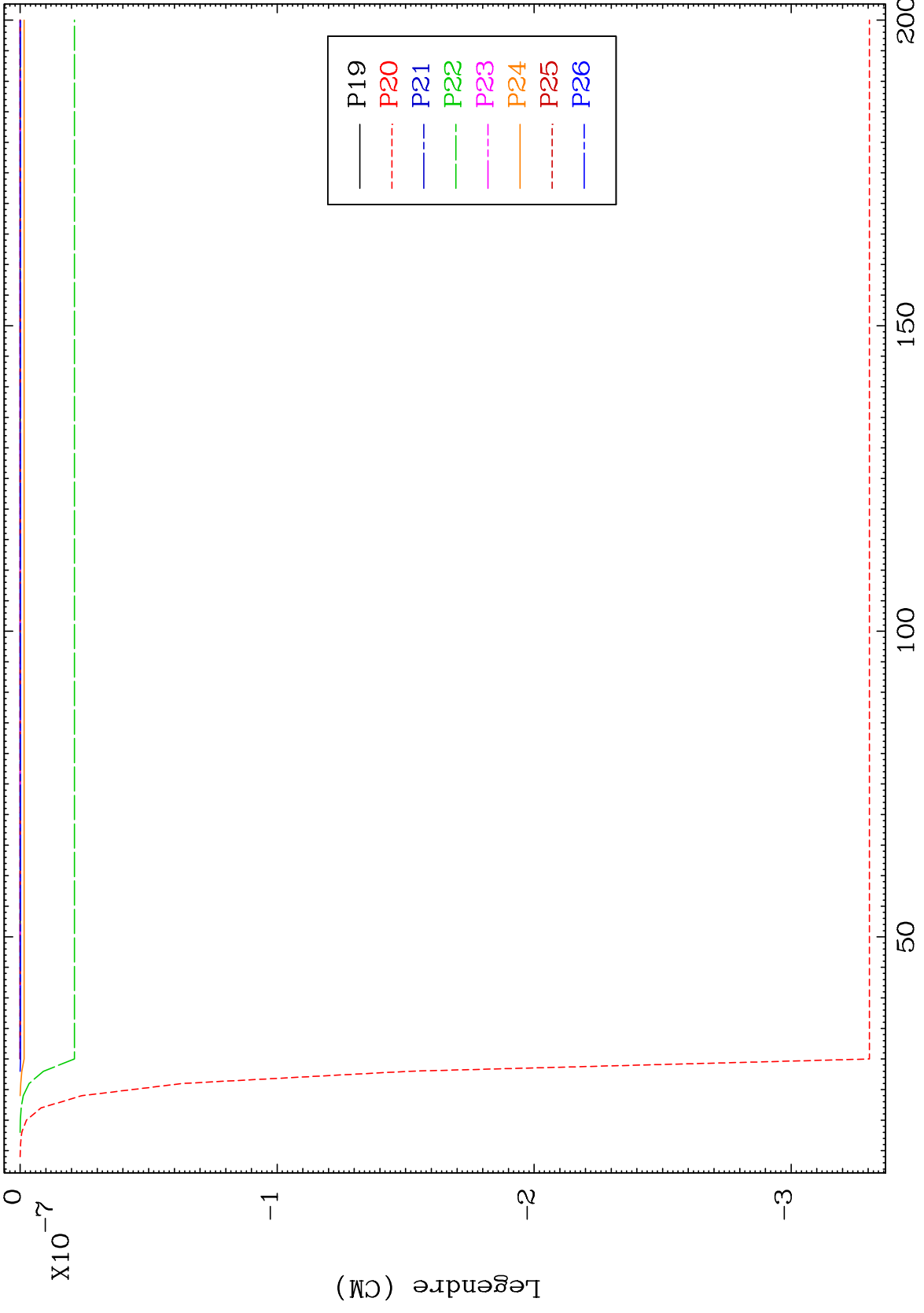


97

Incident Energy (MeV)

52-Te-119

MAT 5222 MT= 76 (n,n') Level Legendre Coefficients 52-Te-119

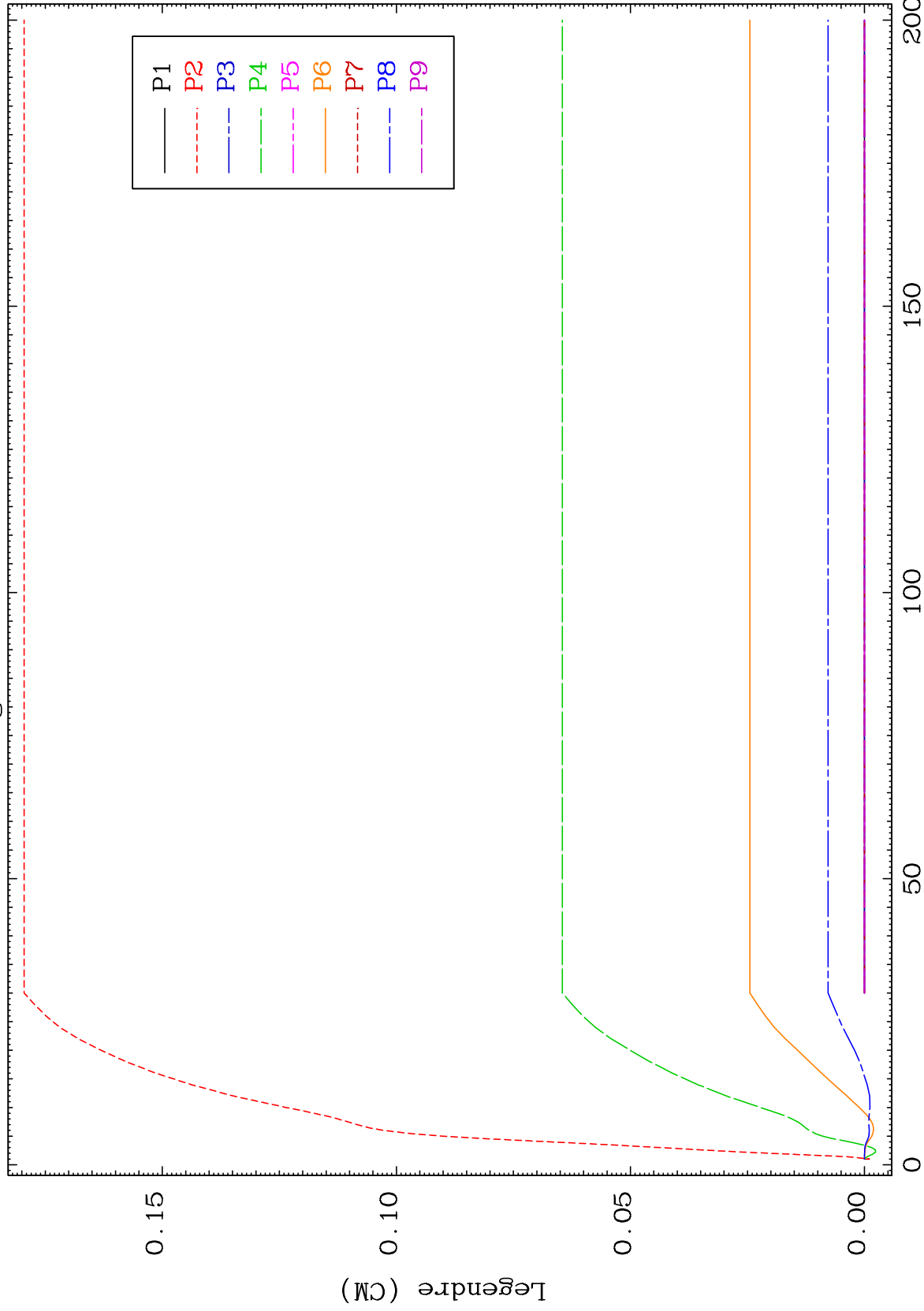


98 52-Te-119

MAT 5222

MT= 77 (n,n') Level
Legendre Coefficients

52-Te-119



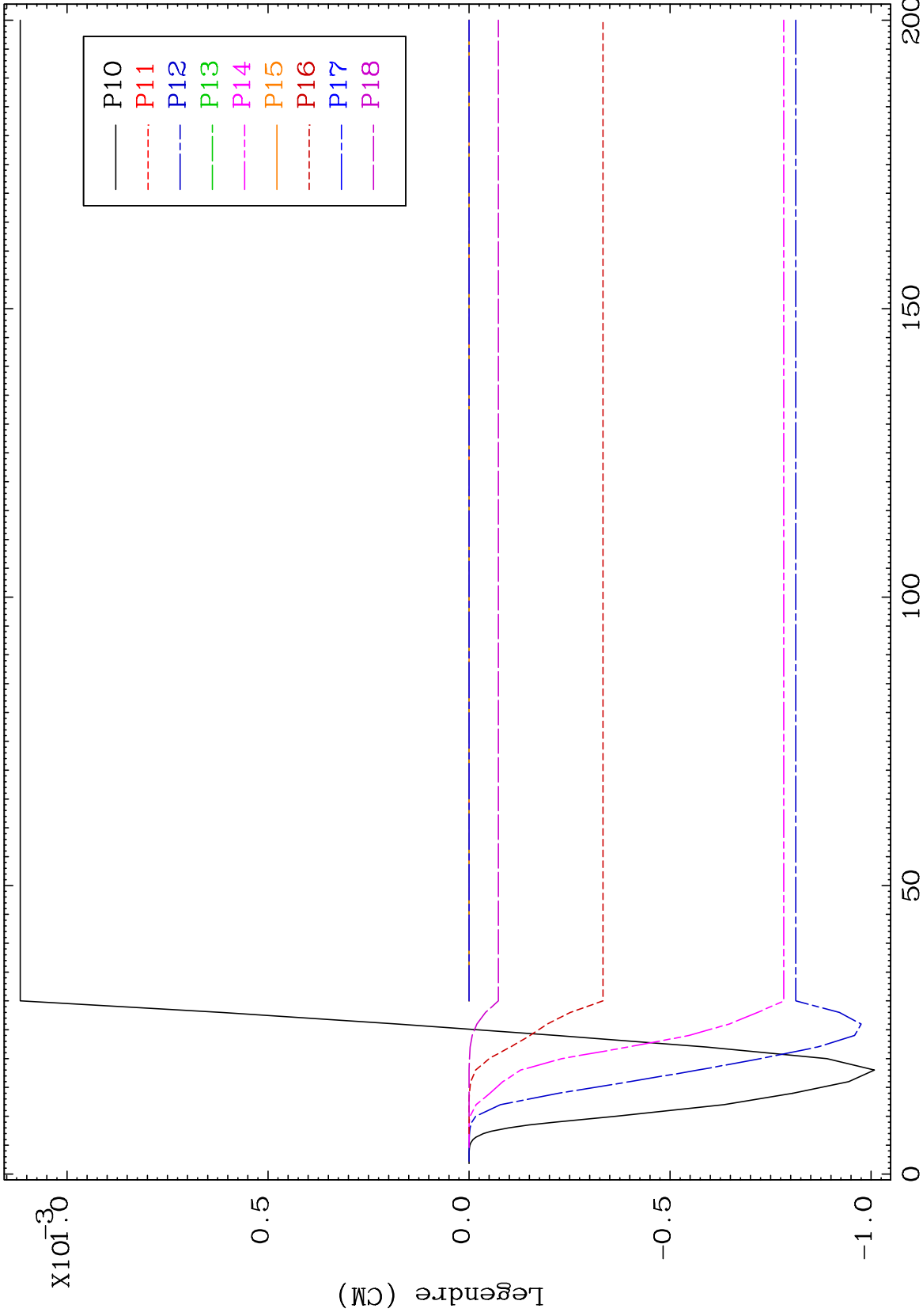
99

52-Te-119

MAT 5222

MT= 77 (n,n') Level
Legendre Coefficients

52-Te-119

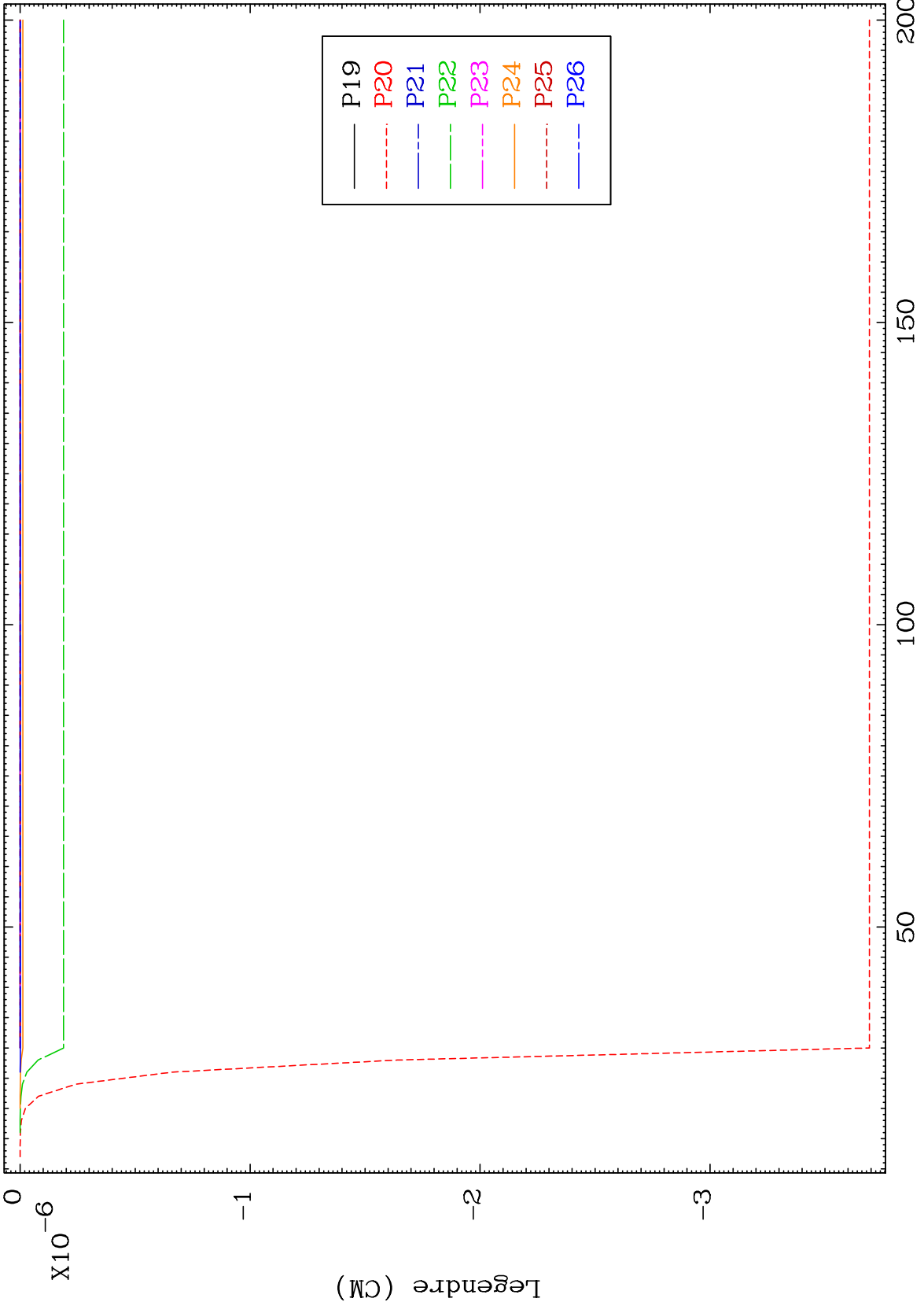


52-Te-119

Incident Energy (MeV)

100

MAT 5222 MT= 77 (n,n') Level Legendre Coefficients 52-Te-119

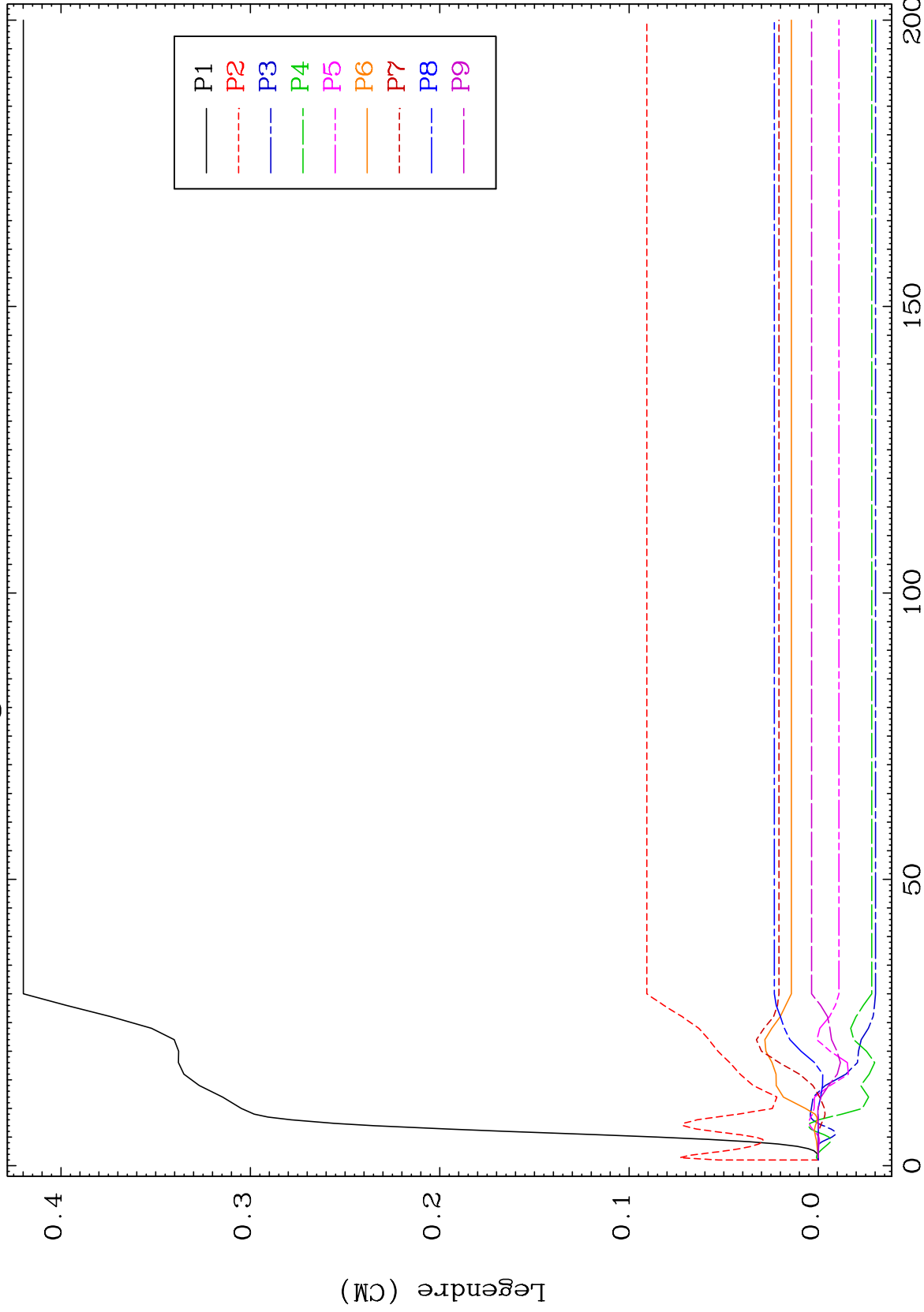


101 52-Te-119

MAT 5222

MT= 78 (n,n') Level
Legendre Coefficients

52-Te-119



102

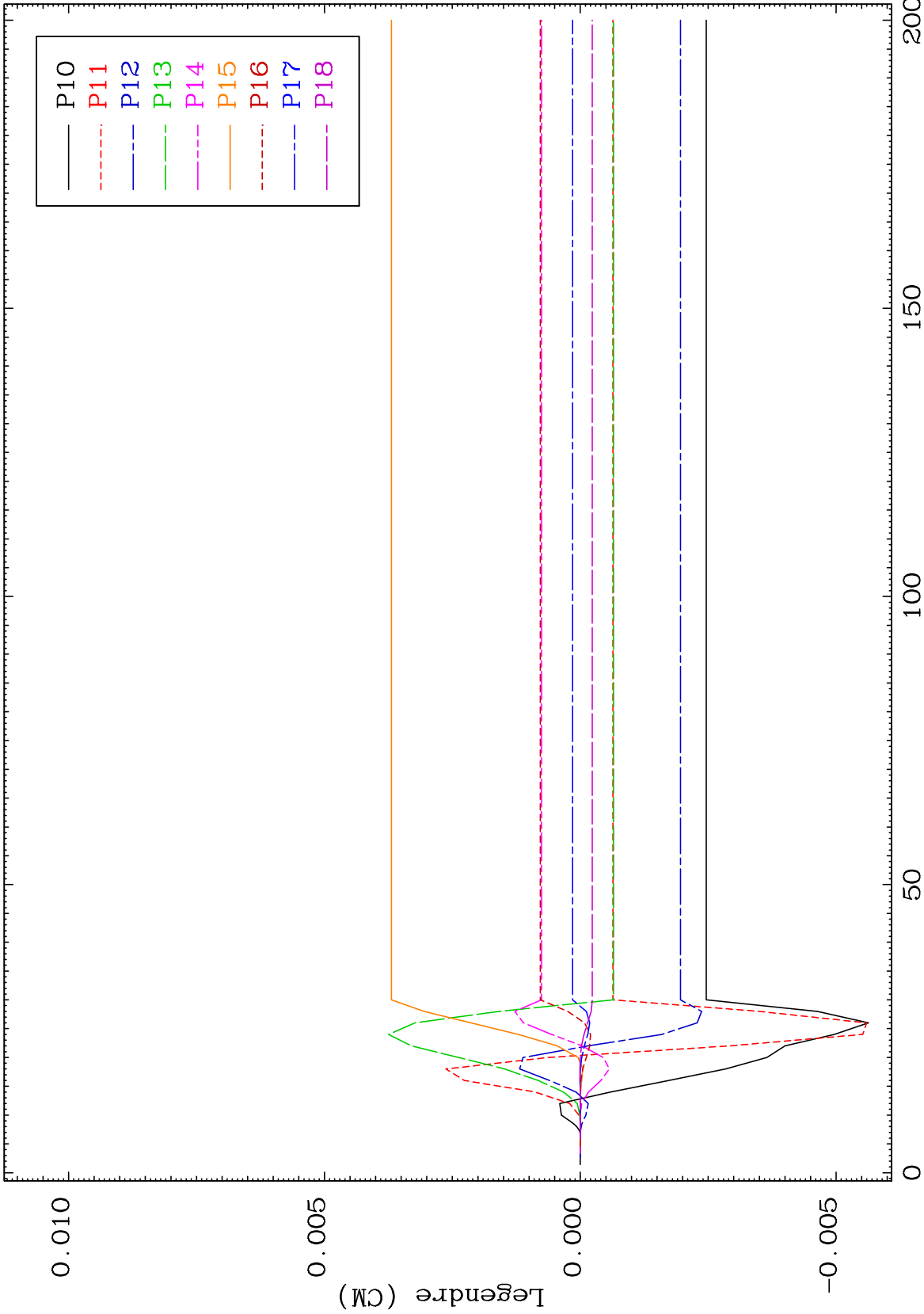
Incident Energy (MeV)

52-Te-119

MAT 5222

MT= 78 (n,n') Level
Legendre Coefficients

52-Te-119



103

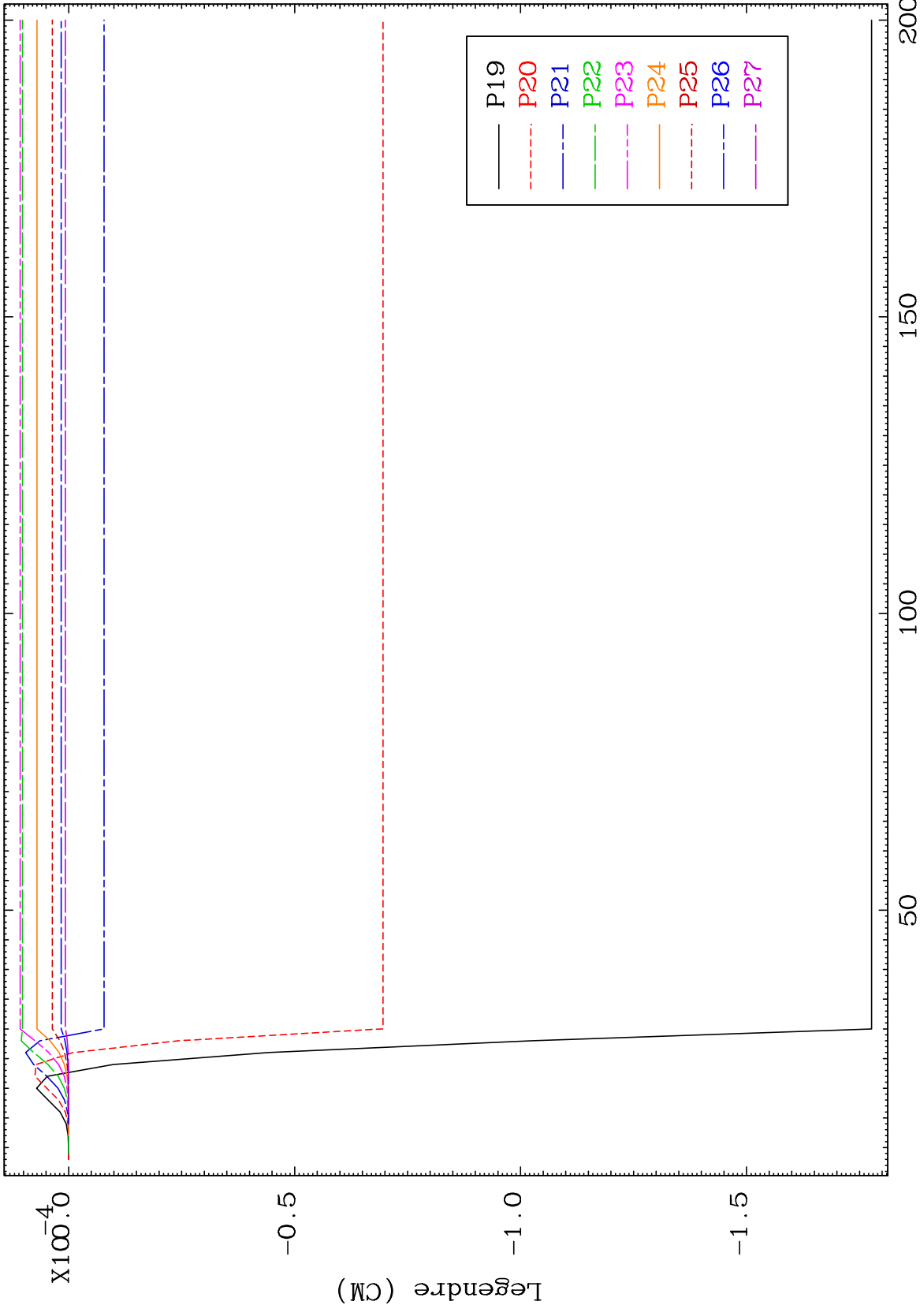
Incident Energy (MeV)

52-Te-119

MAT 5222

MT= 78 (n,n') Level
Legendre Coefficients

52-Te-119



52-Te-119

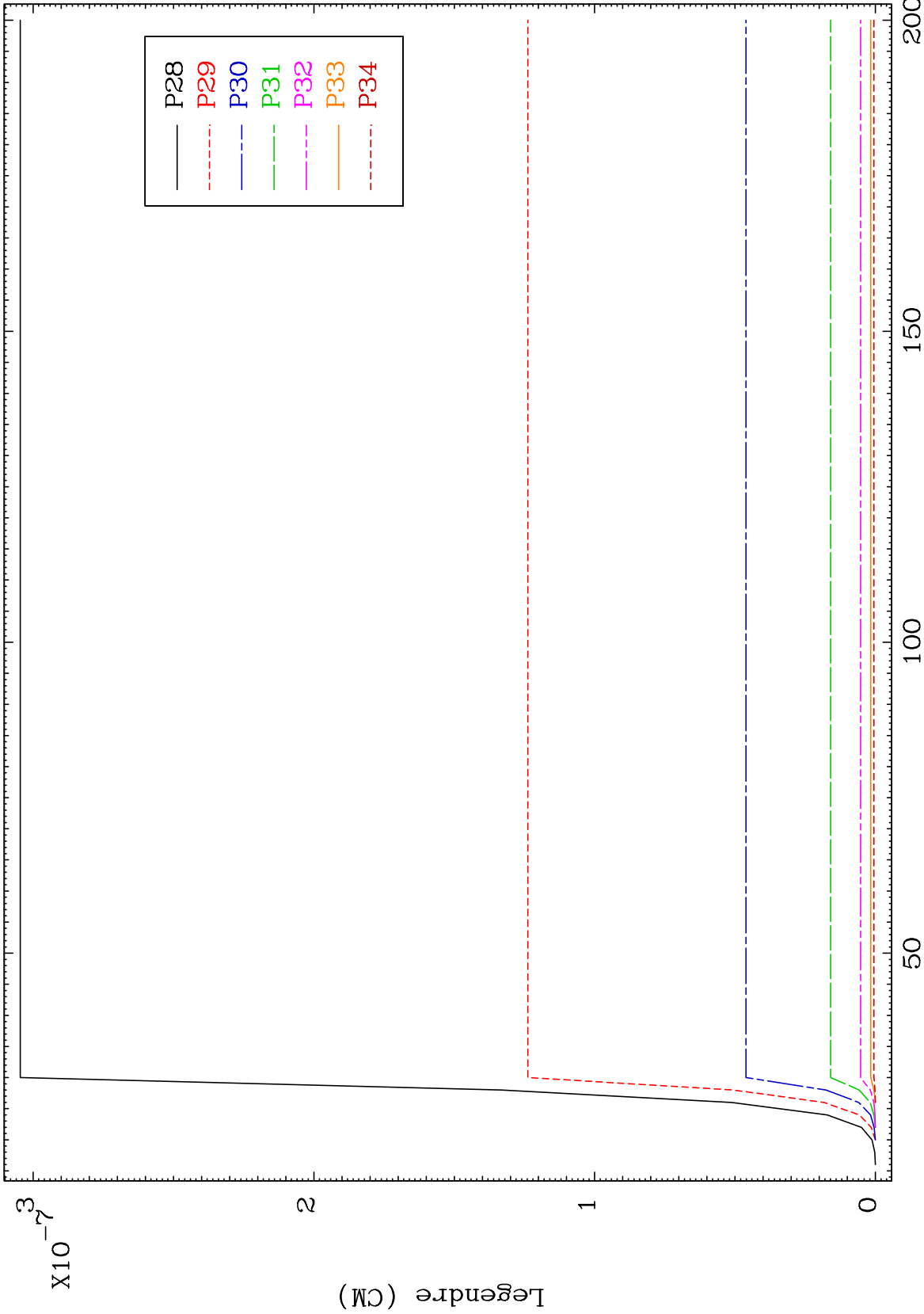
Incident Energy (MeV)

104

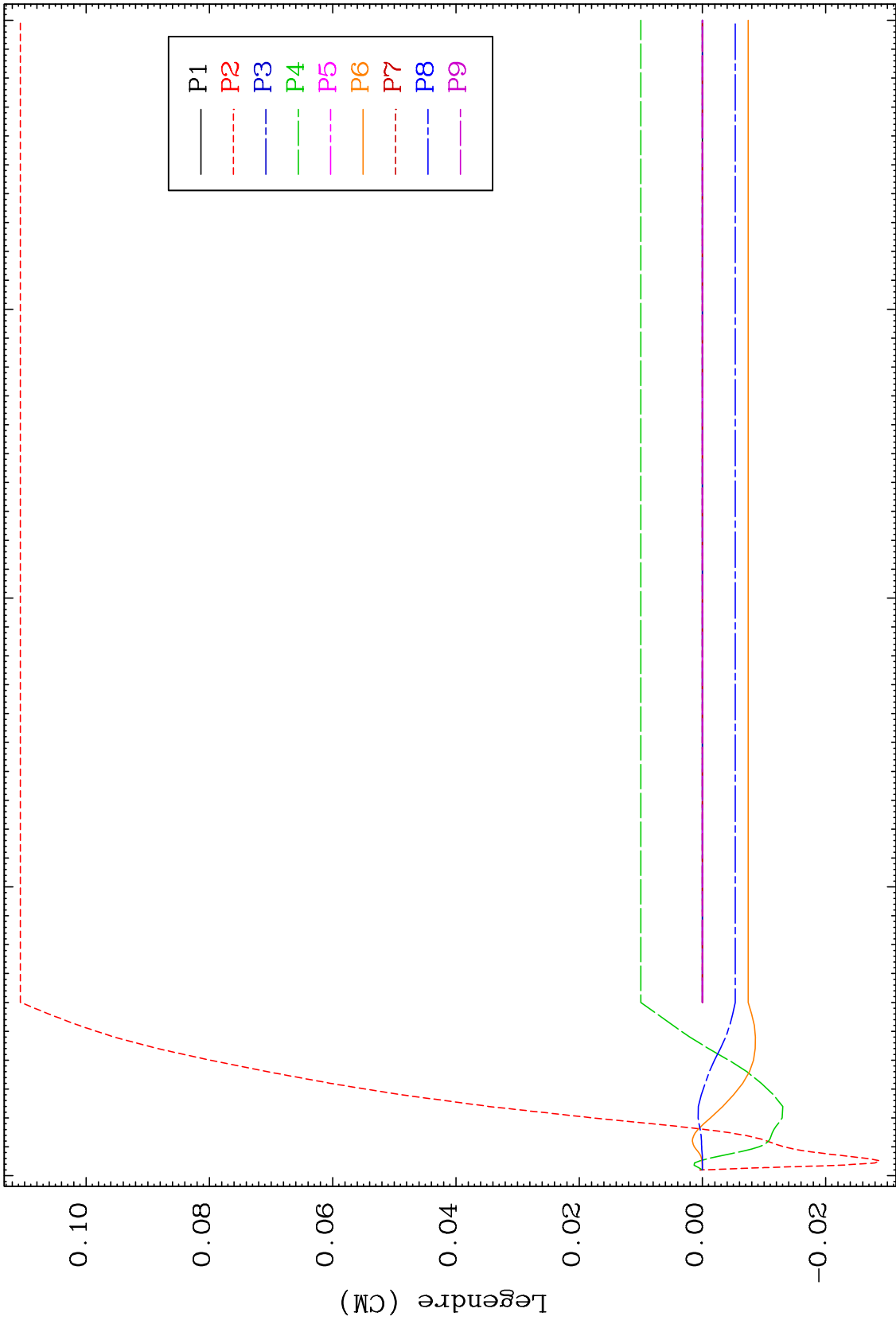
MAT 5222

MT= 78 (n,n') Level
Legendre Coefficients

52-Te-119



MAT 5222 MT= 79 (n,n') Level Legendre Coefficients 52-Te-119

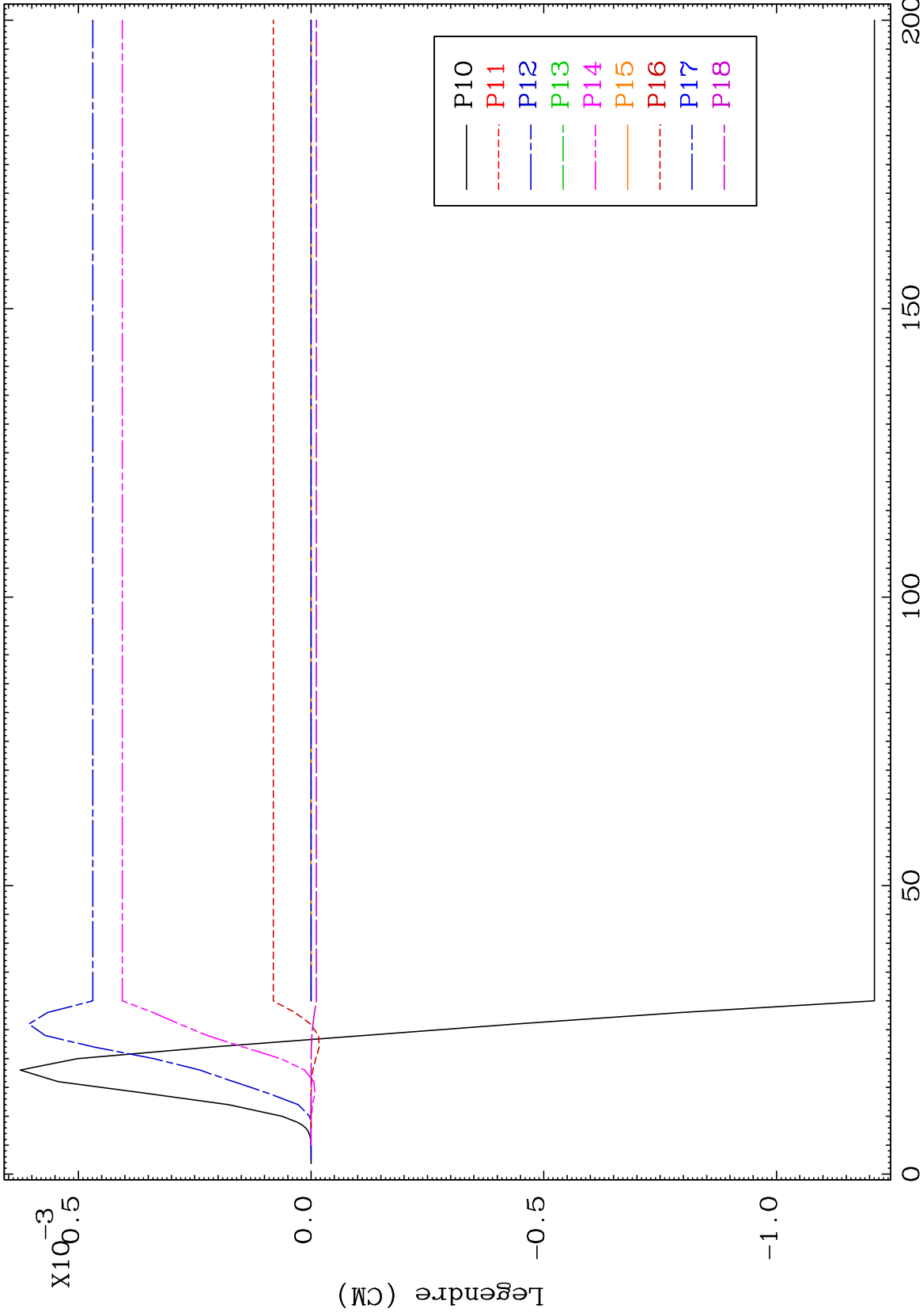


106 52-Te-119

MAT 5222

MT= 79 (n,n') Level
Legendre Coefficients

52-Te-119



107

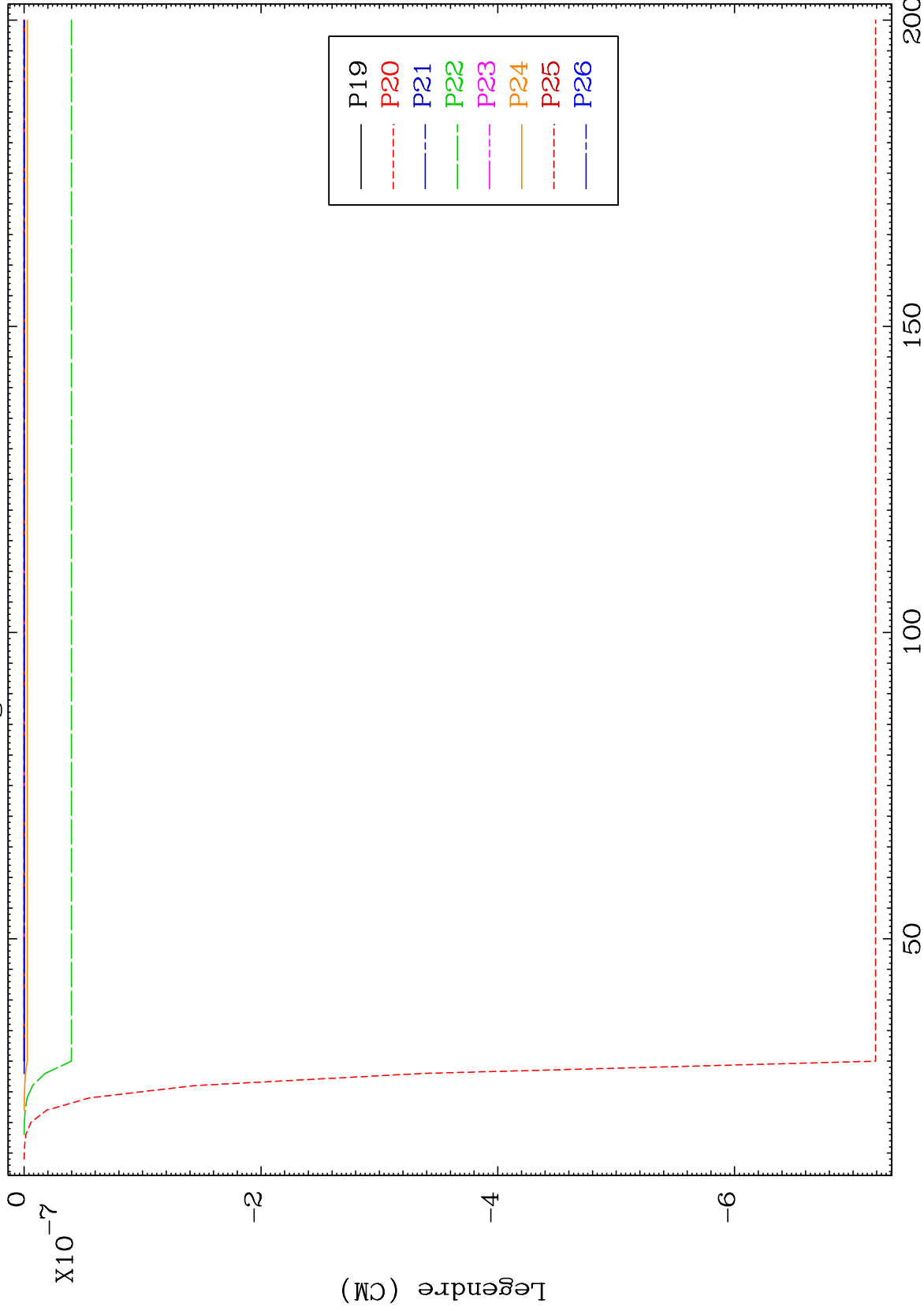
Incident Energy (MeV)

52-Te-119

MAT 5222

MT= 79 (n,n') Level
Legendre Coefficients

52-Te-119

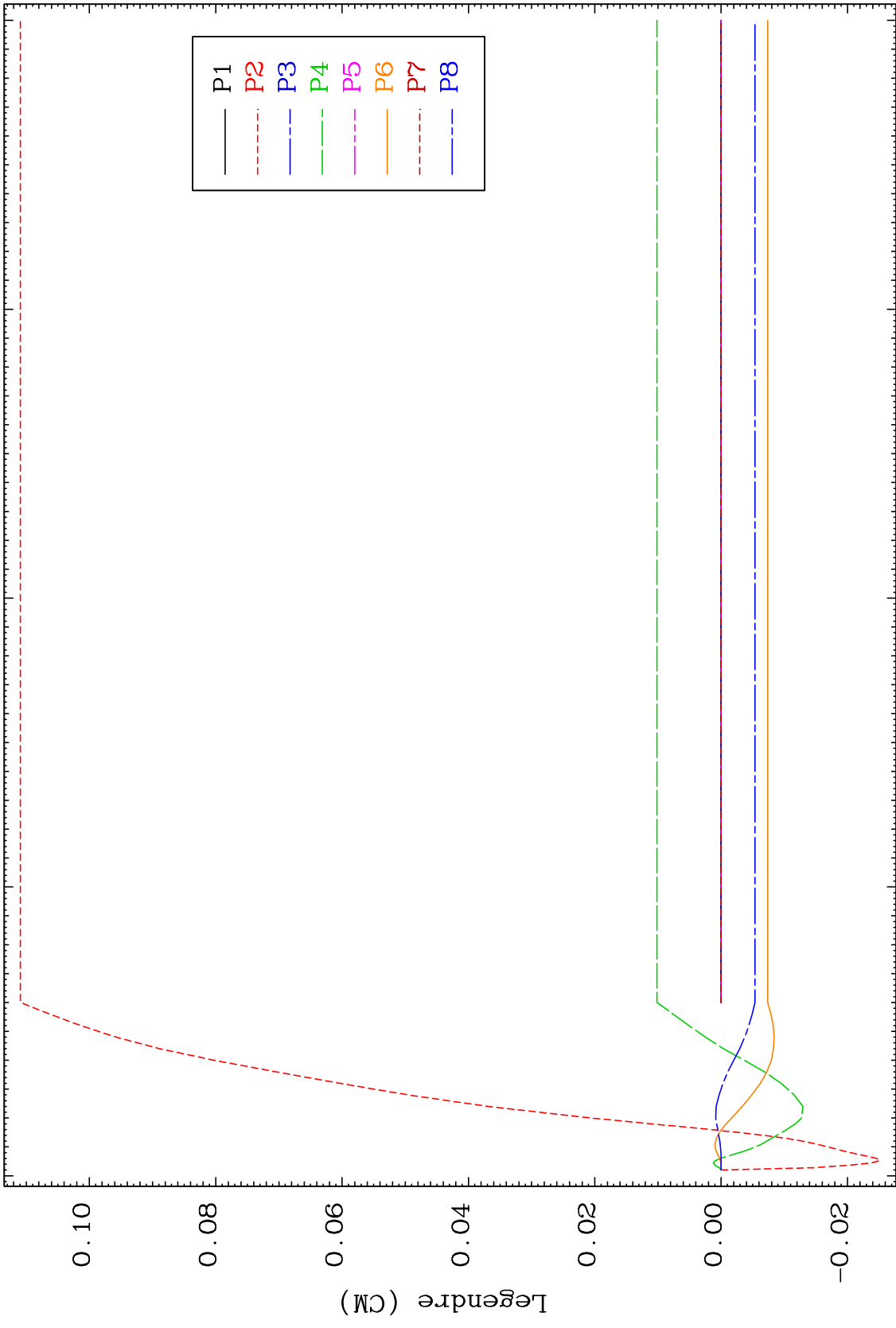


108

Incident Energy (MeV)

52-Te-119

MAT 5222 MT= 80 (n,n') Level Legendre Coefficients 52-Te-119

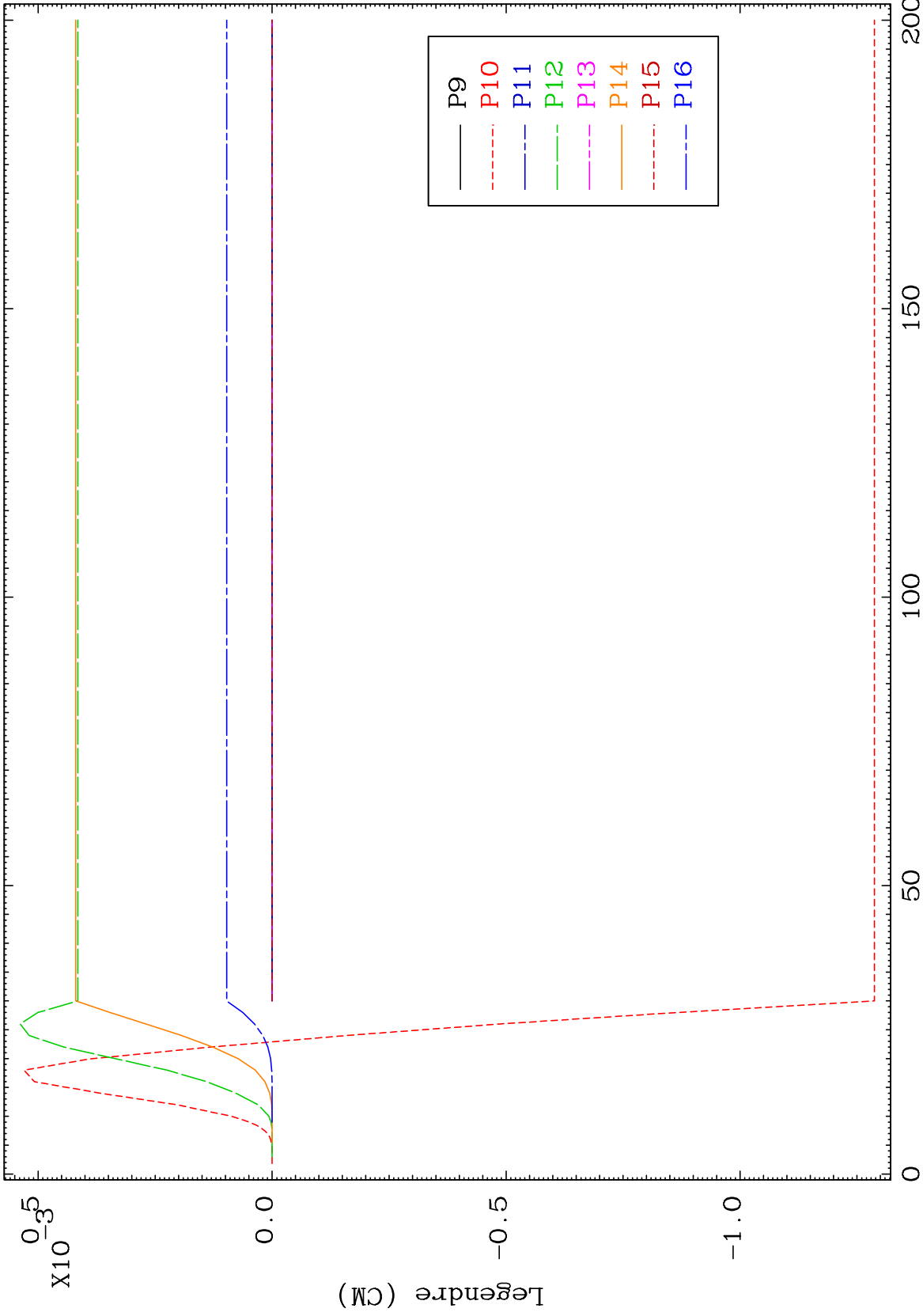


109 52-Te-119

MAT 5222

MT= 80 (n,n') Level
Legendre Coefficients

52-Te-119

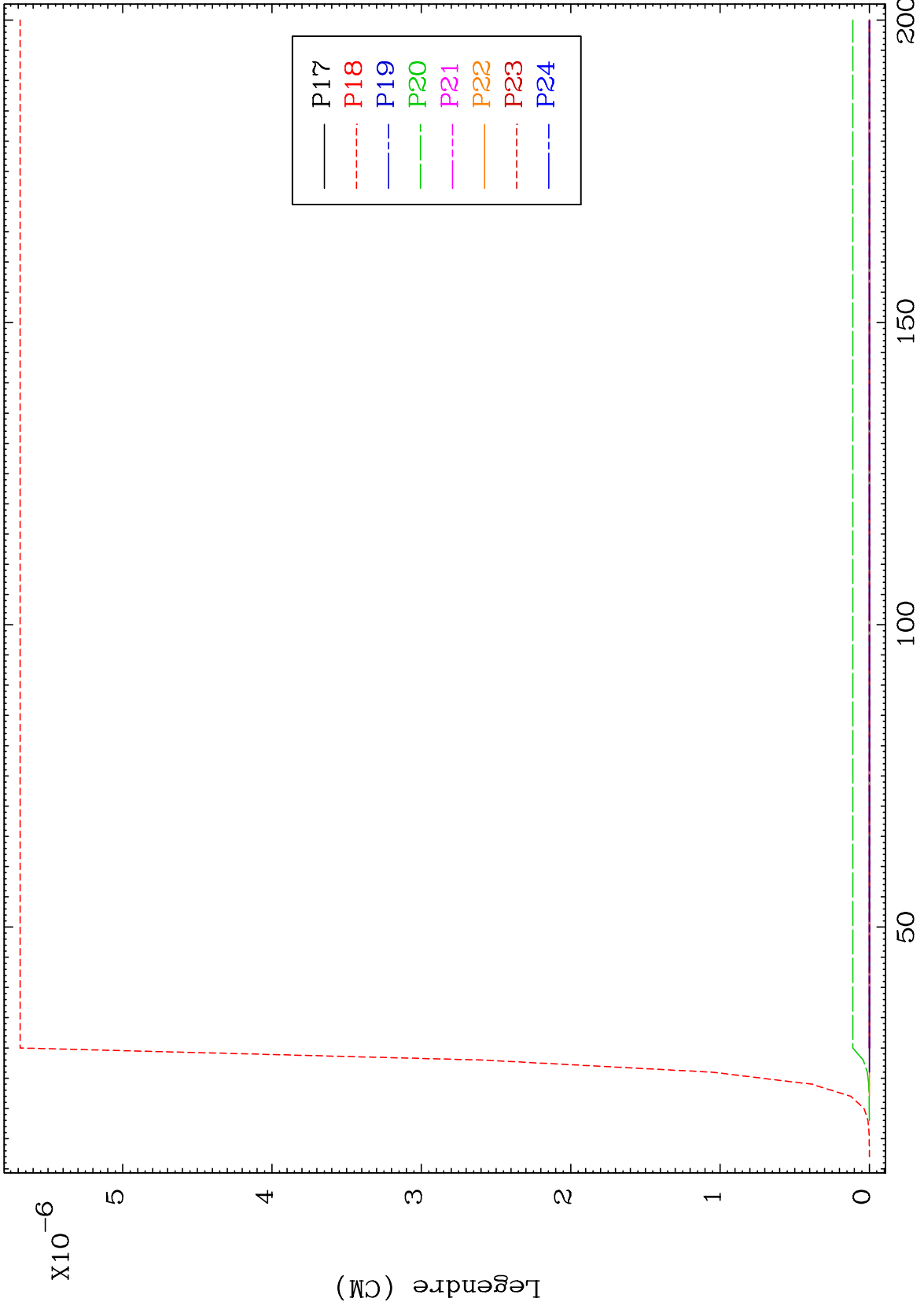


110

Incident Energy (MeV)

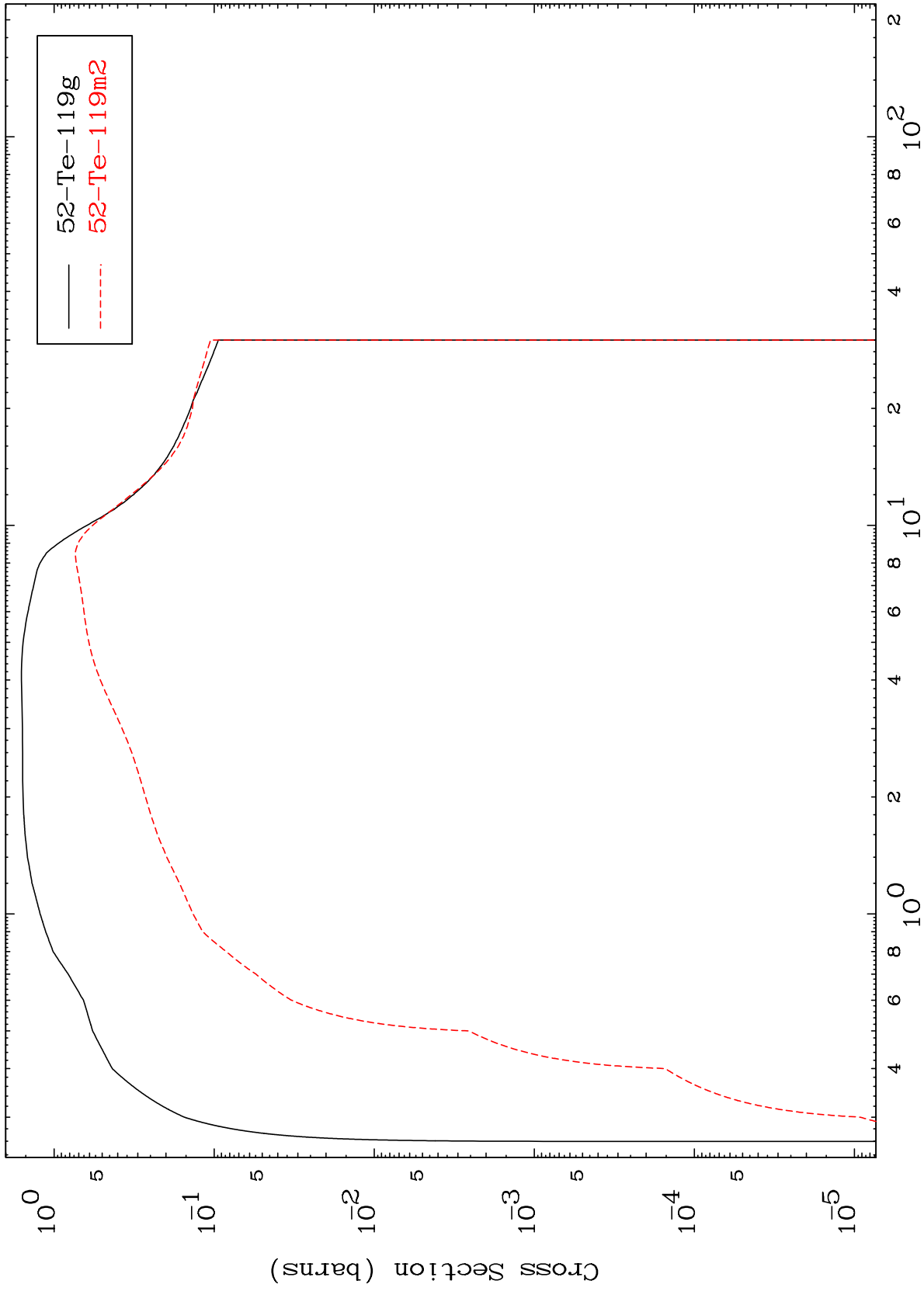
52-Te-119

MAT 5222 MT= 80 (n,n') Level Legendre Coefficients 52-Te-119



111 52-Te-119

Inelastic
Radionuclide Production Cross Section

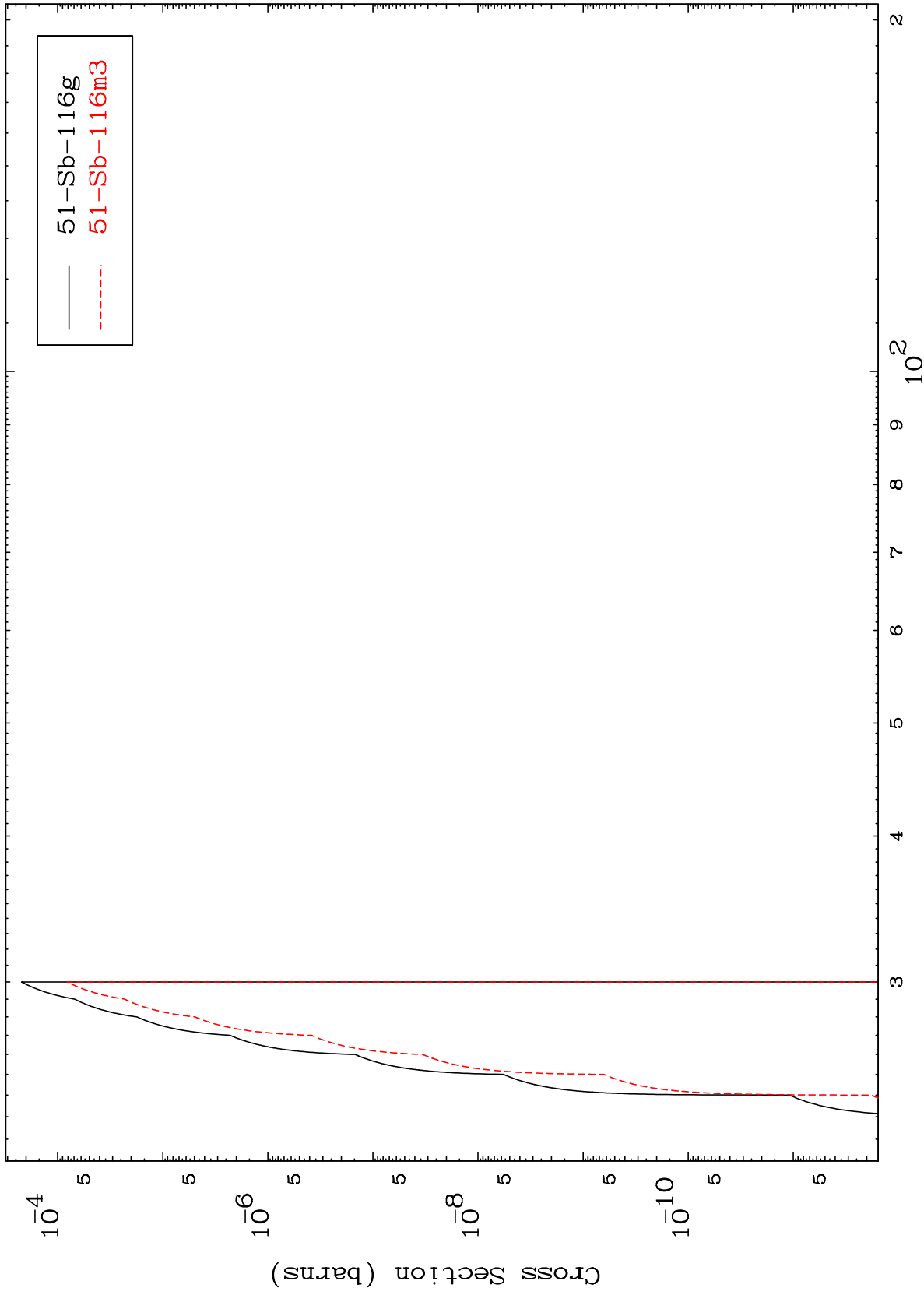


MAT 5222

(n,2n) d

52-Te-119

Radionuclide Production Cross Section



113

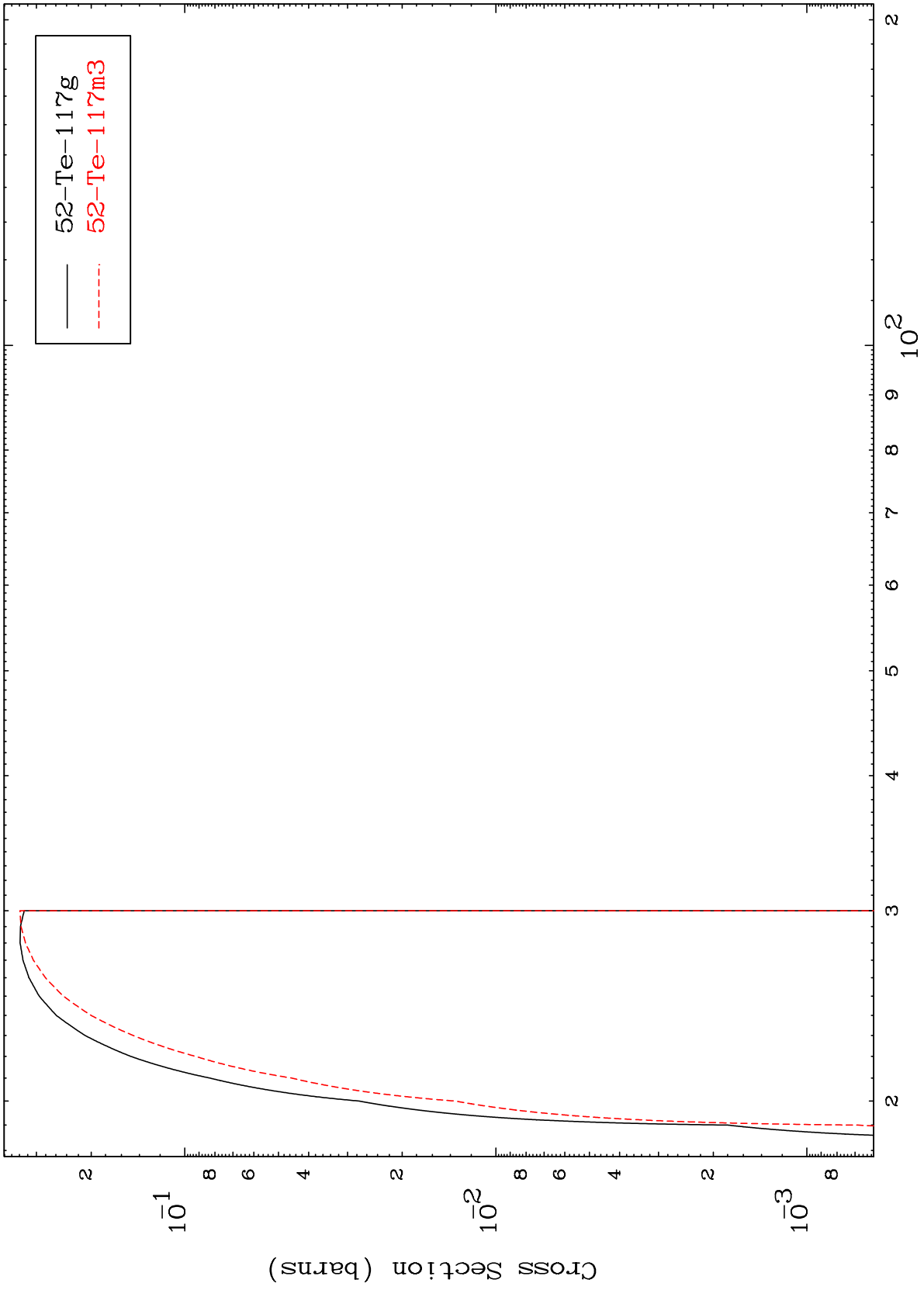
Incident Energy (MeV)

52-Te-119

MAT 5222

52-Te-119

(n,3n)
Radionuclide Production Cross Section



114

Incident Energy (MeV)

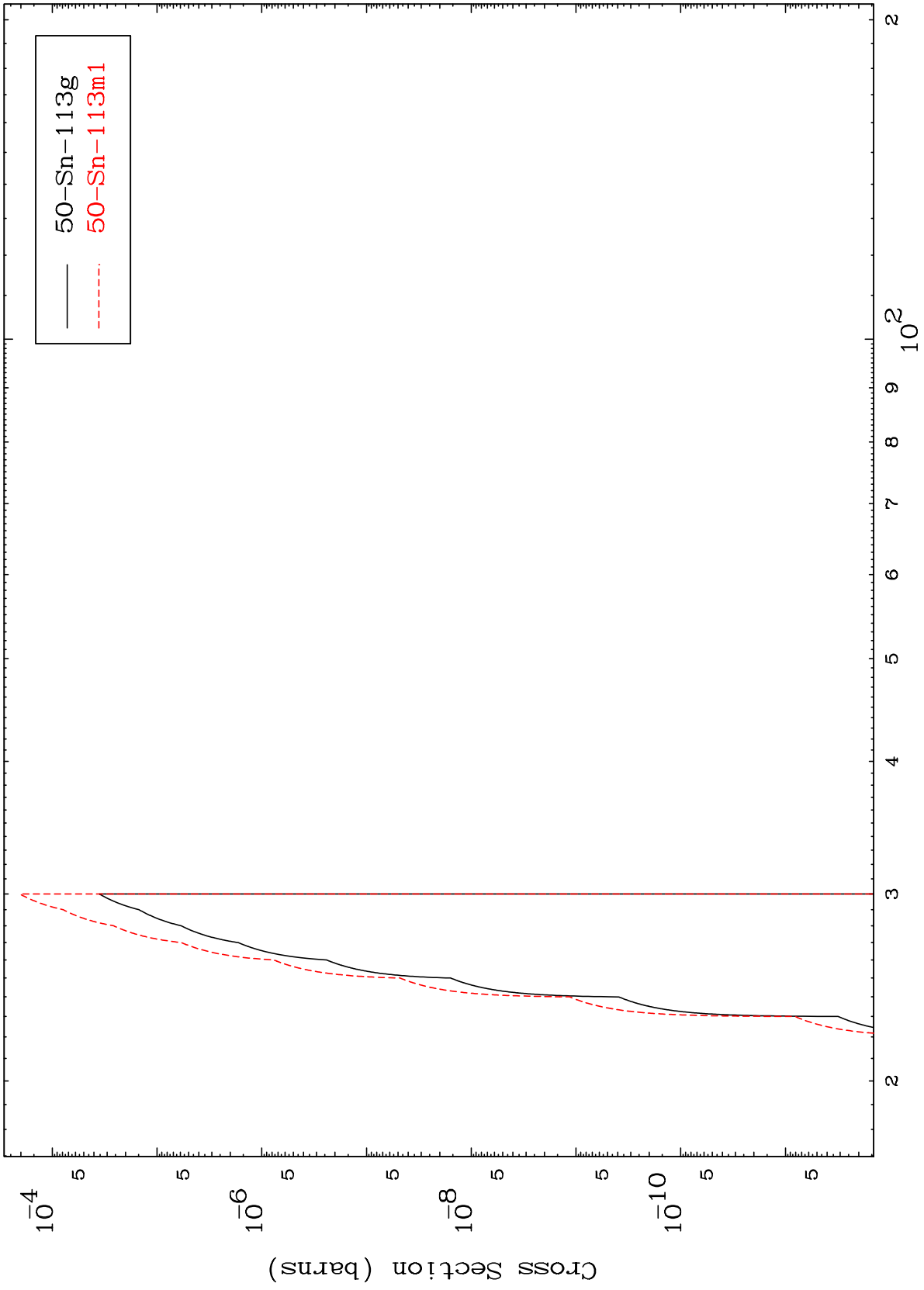
52-Te-119

MAT 5222

(n,3n) α

52-Te-119

Radionuclide Production Cross Section



115

Incident Energy (MeV)

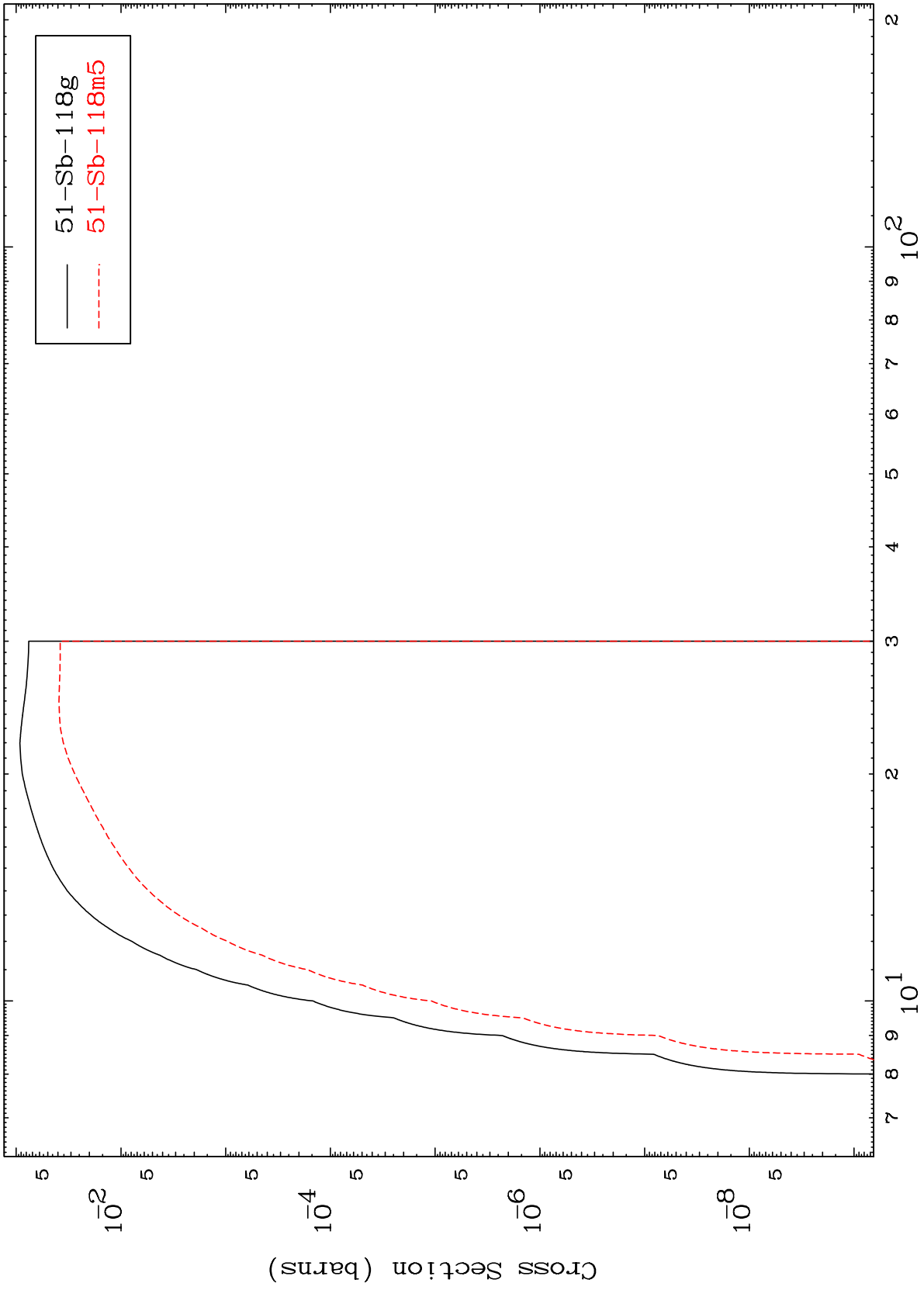
52-Te-119

MAT 5222

(n,n') p

52-Te-119

Radionuclide Production Cross Section



116

Incident Energy (MeV)

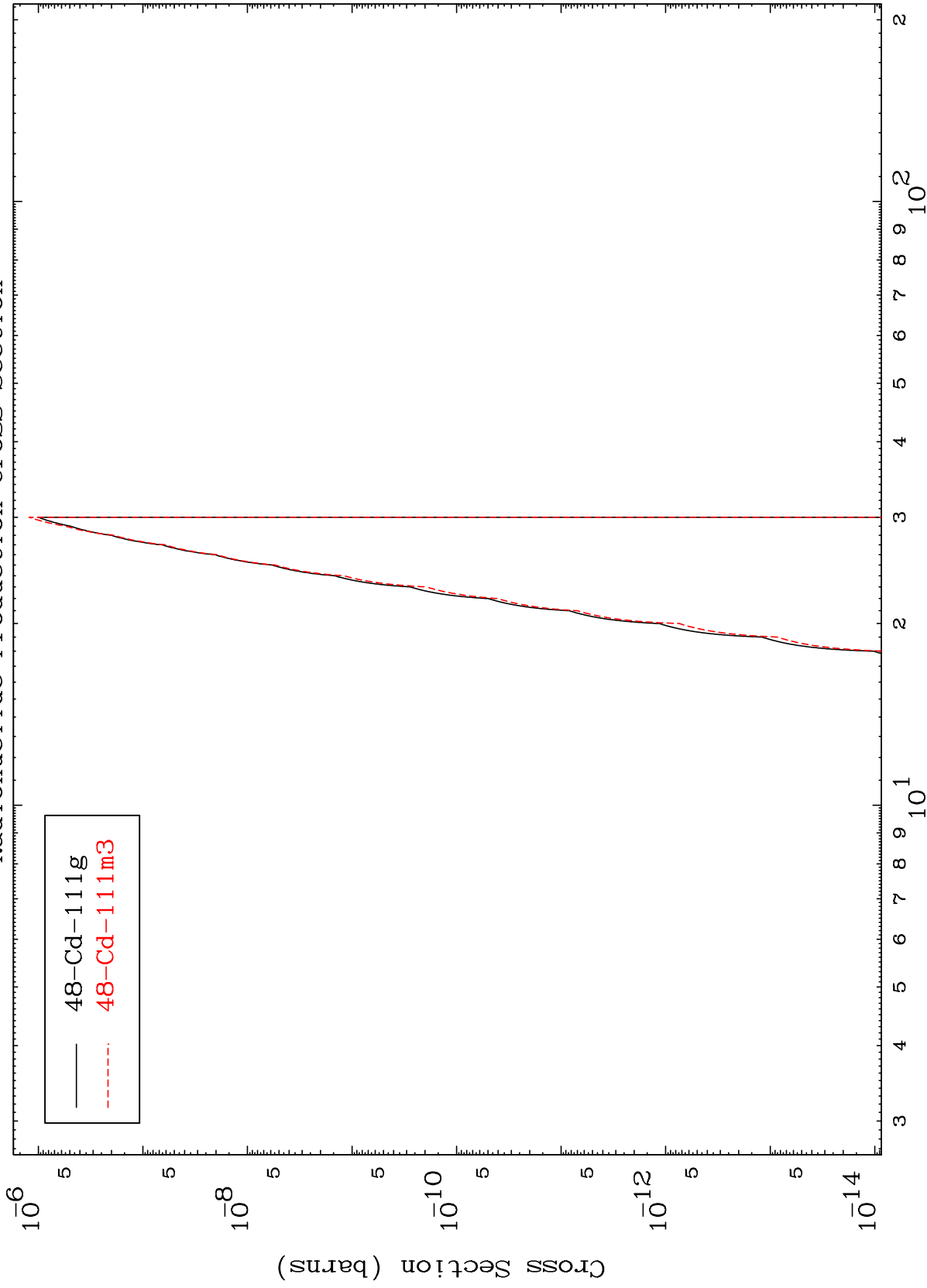
52-Te-119

MAT 5222

(n,n') 2α

52-Te-119

Radionuclide Production Cross Section



117

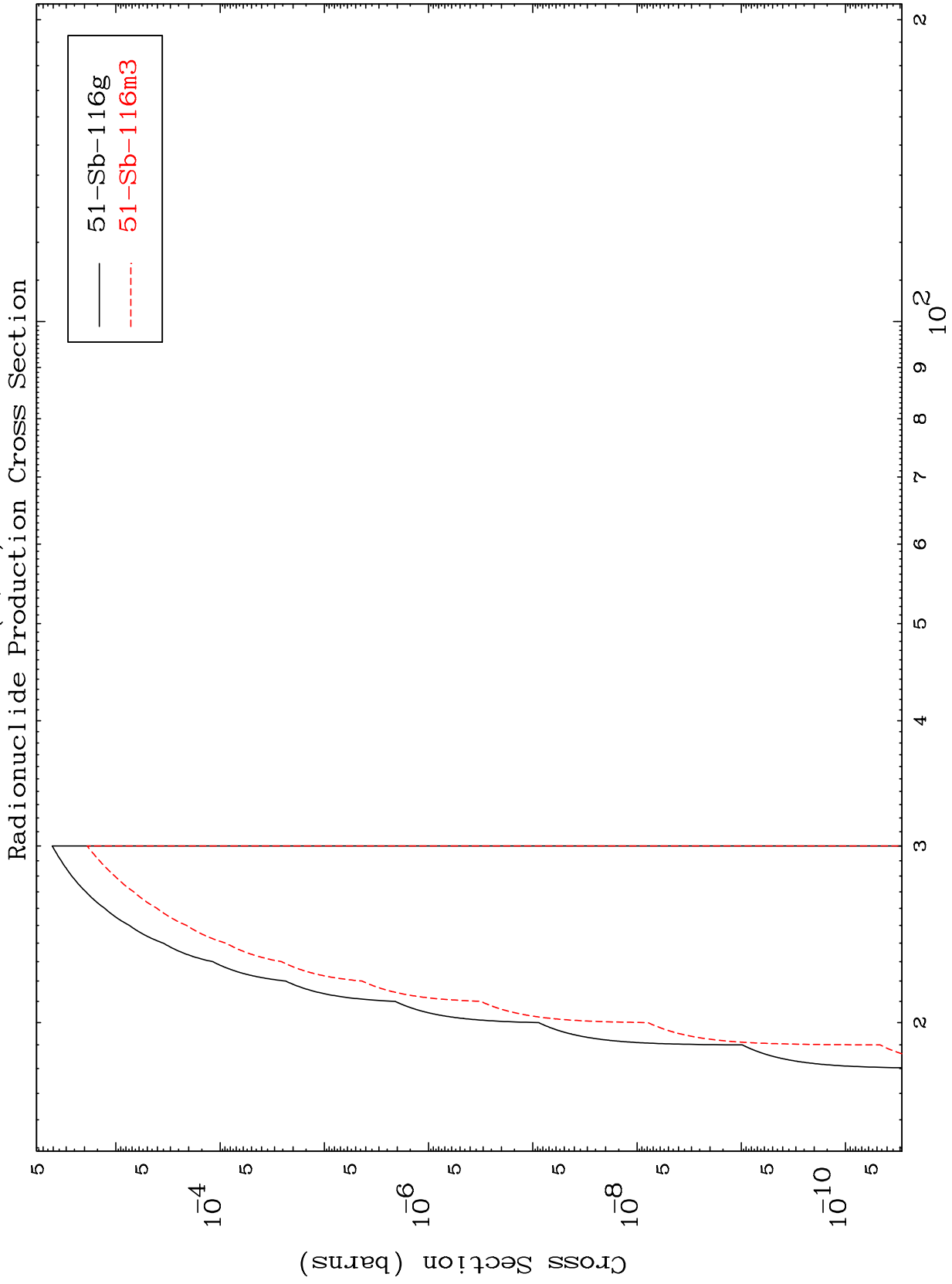
Incident Energy (MeV)

52-Te-119

MAT 5222

(n,n') t

52-Te-119

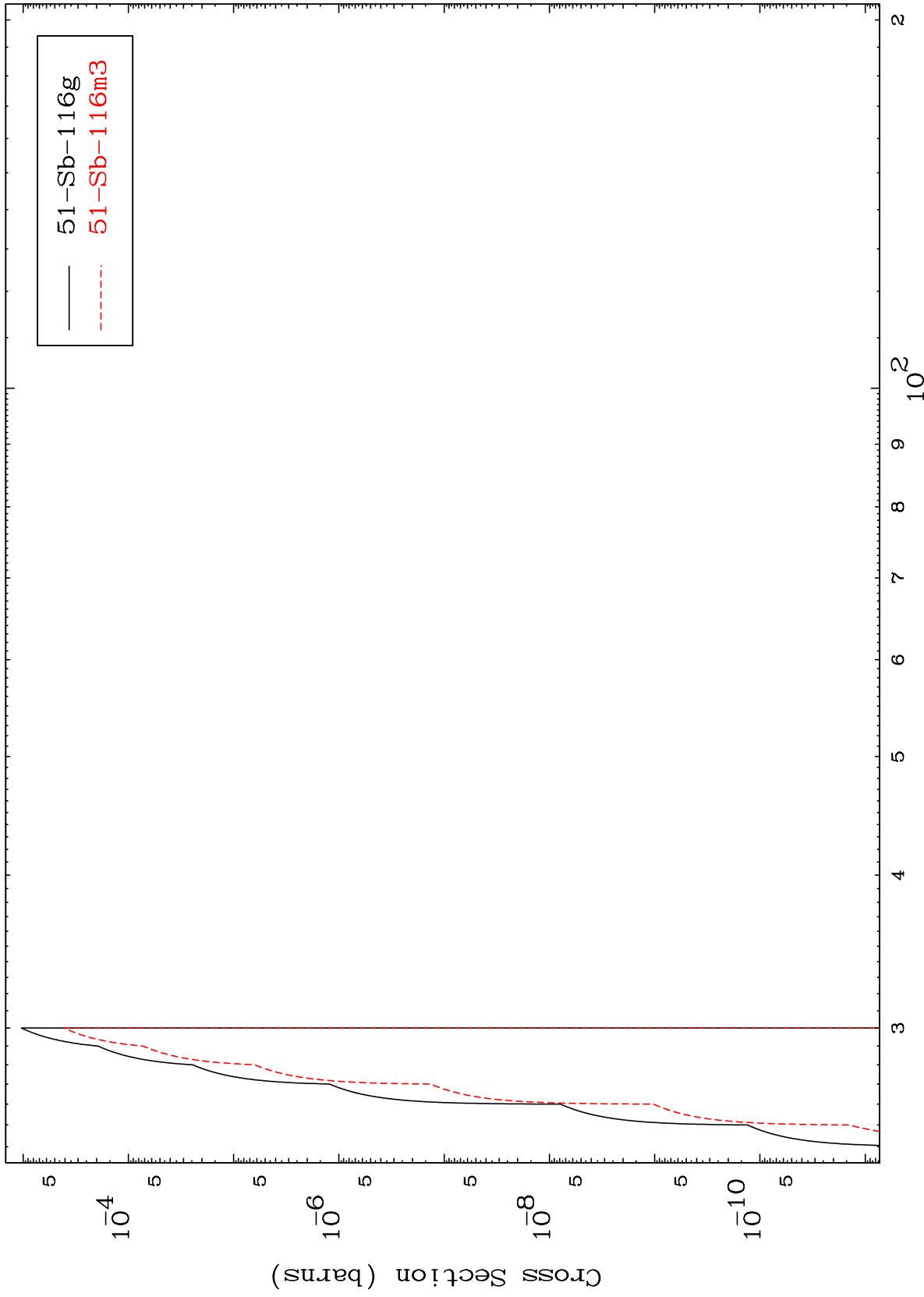


118

Incident Energy (MeV)

52-Te-119

Radionuclide Production Cross Section

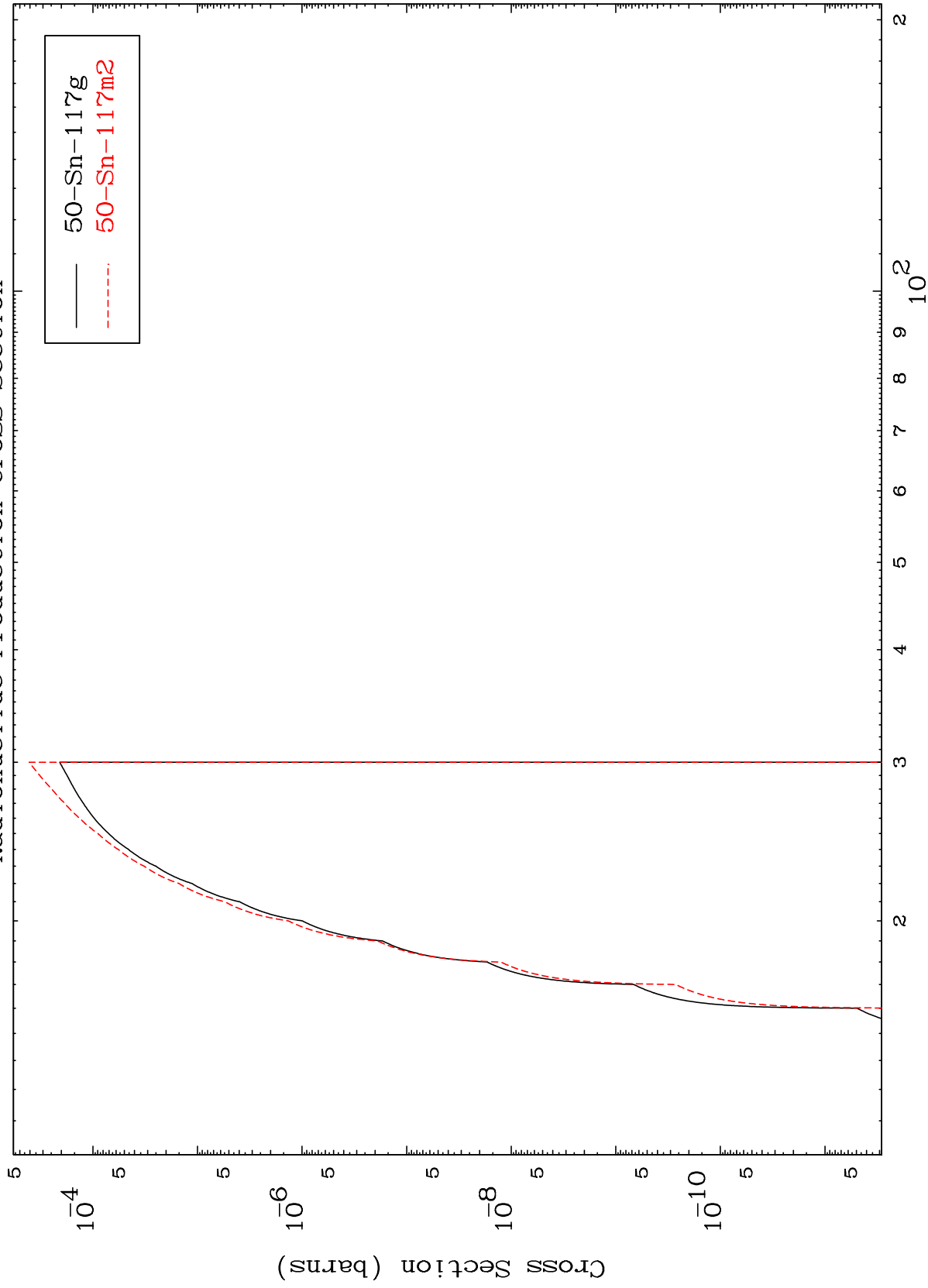


MAT 5222

(n,2n) p

52-Te-119

Radionuclide Production Cross Section



120

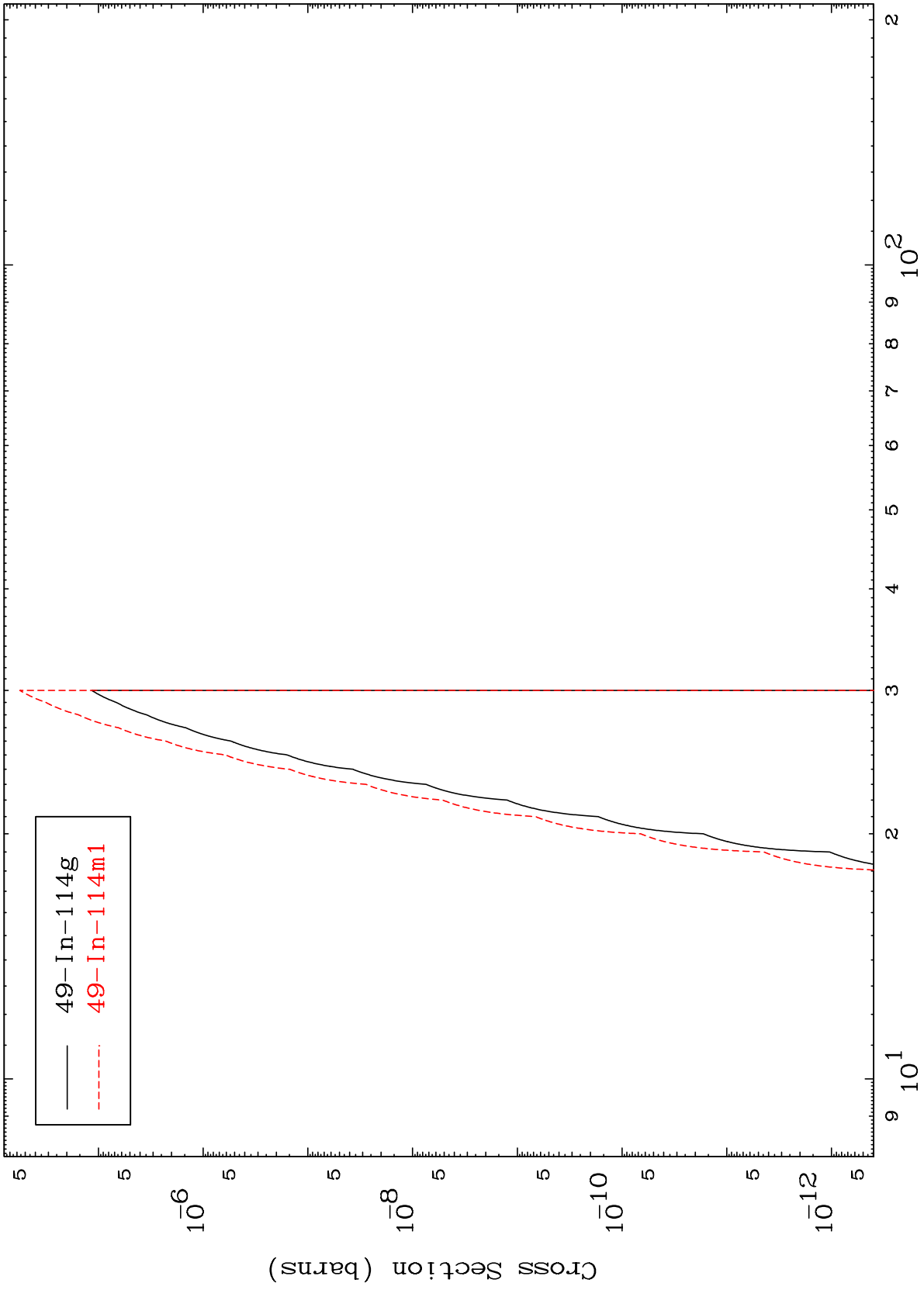
Incident Energy (MeV)

52-Te-119

MAT 5222

52-Te-119

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



121

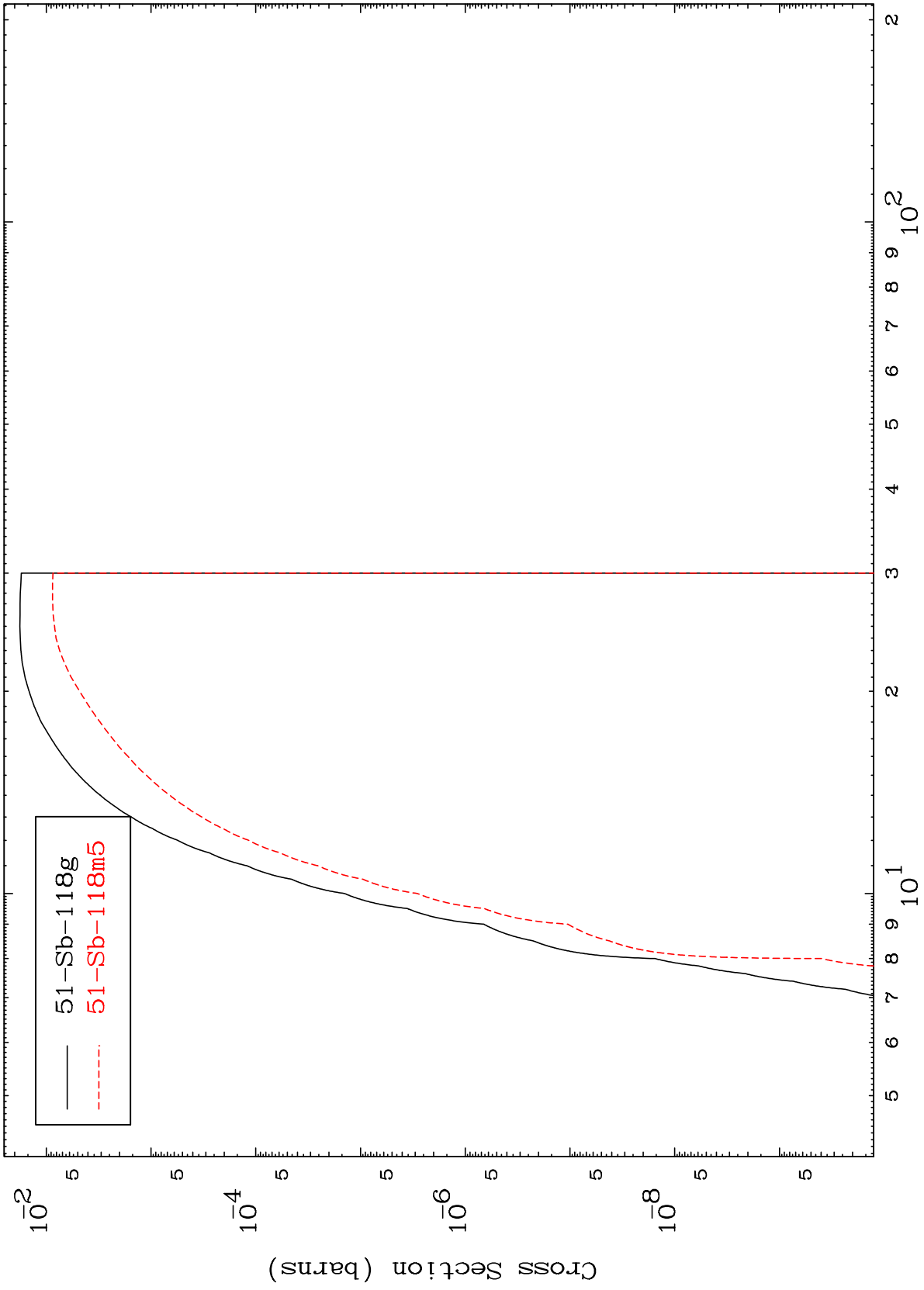
52-Te-119

Incident Energy (MeV)

MAT 5222

52-Te-119

(n,d)
Radionuclide Production Cross Section



122

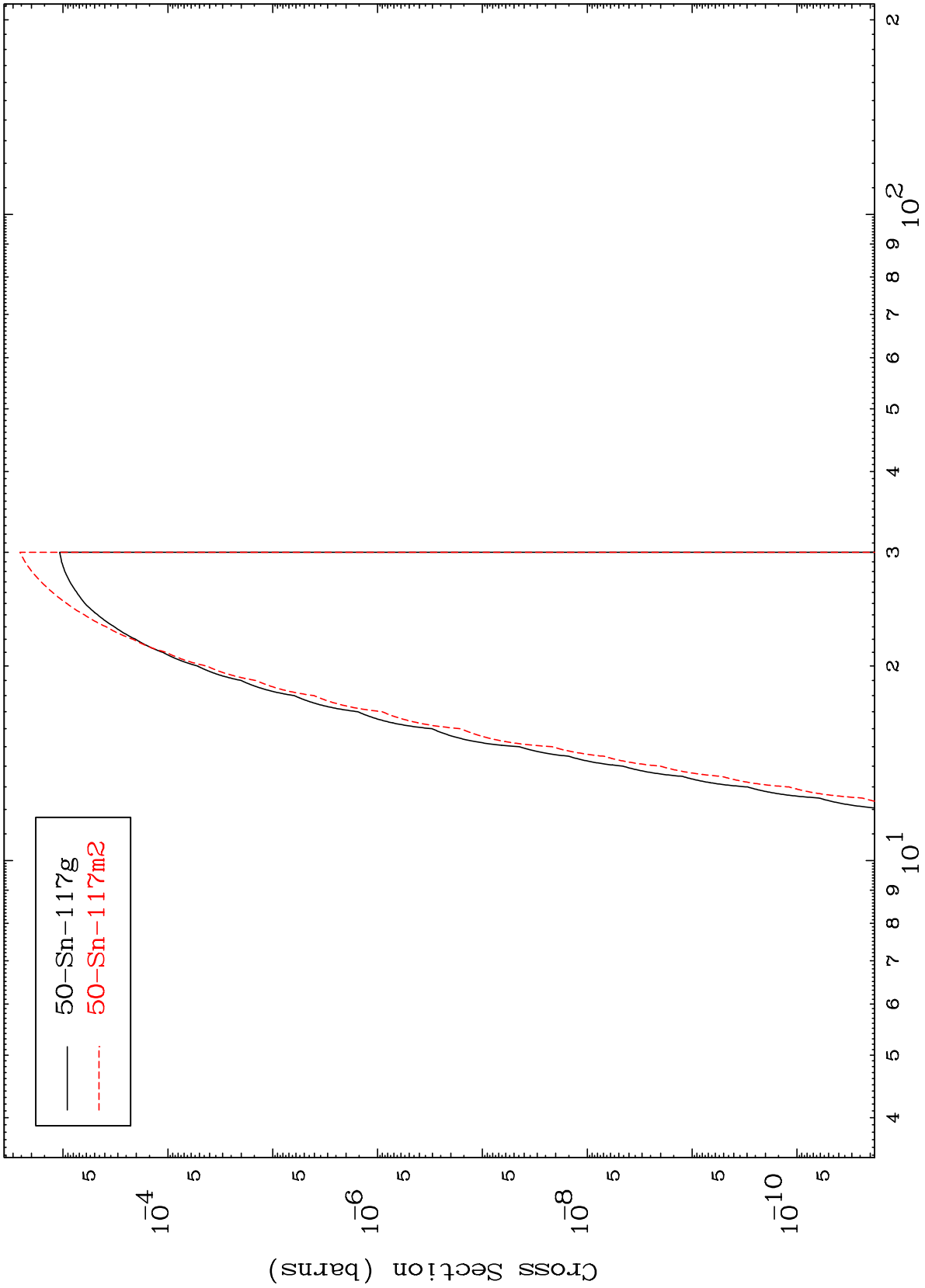
52-Te-119

MAT 5222

(n, He-3)

52-Te-119

Radionuclide Production Cross Section



50-Sn-117g
50-Sn-117m2

123

Incident Energy (MeV)

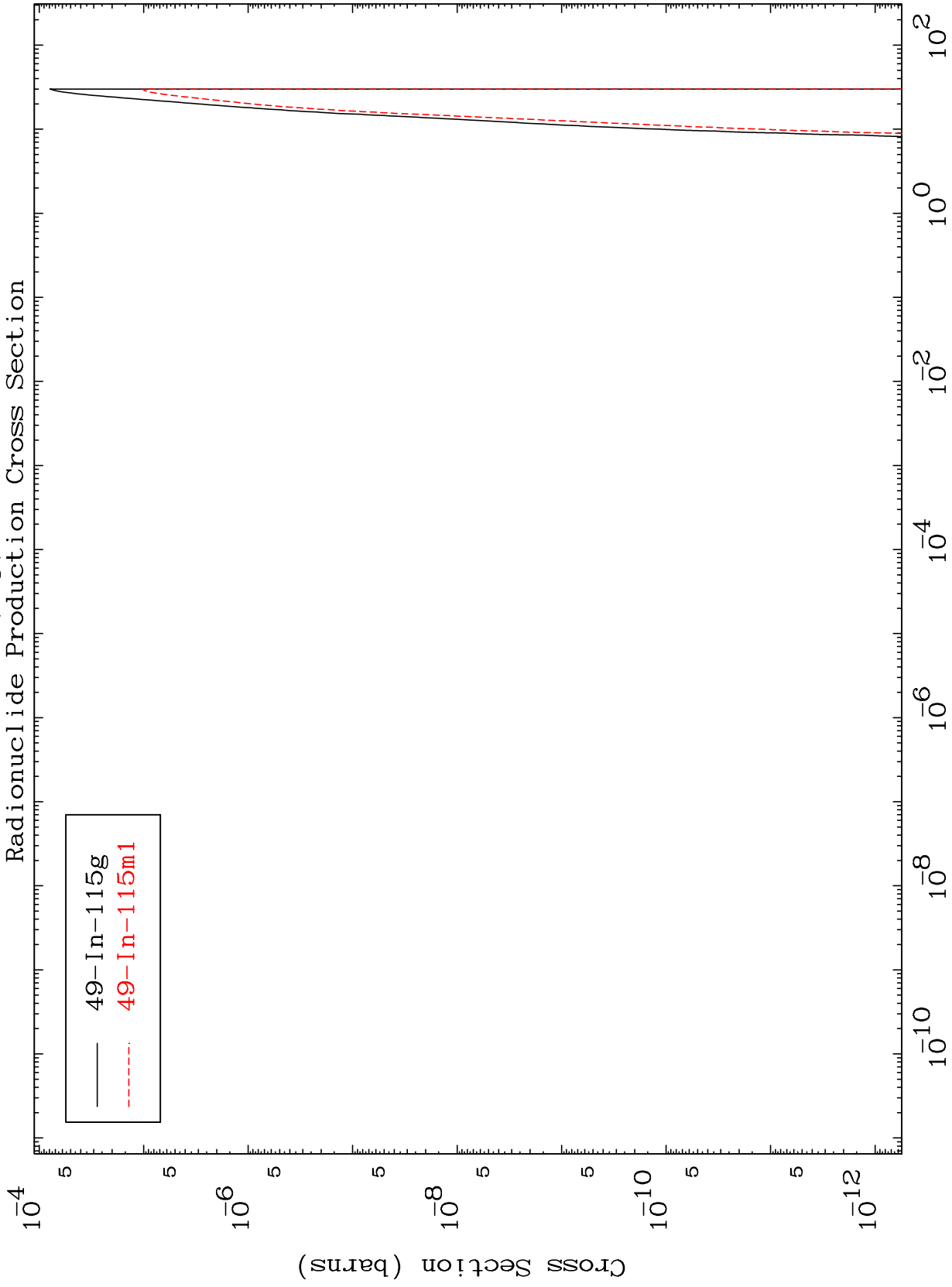
52-Te-119

MAT 5222

(n,p) α

52-Te-119

Radionuclide Production Cross Section



124

Incident Energy (MeV)

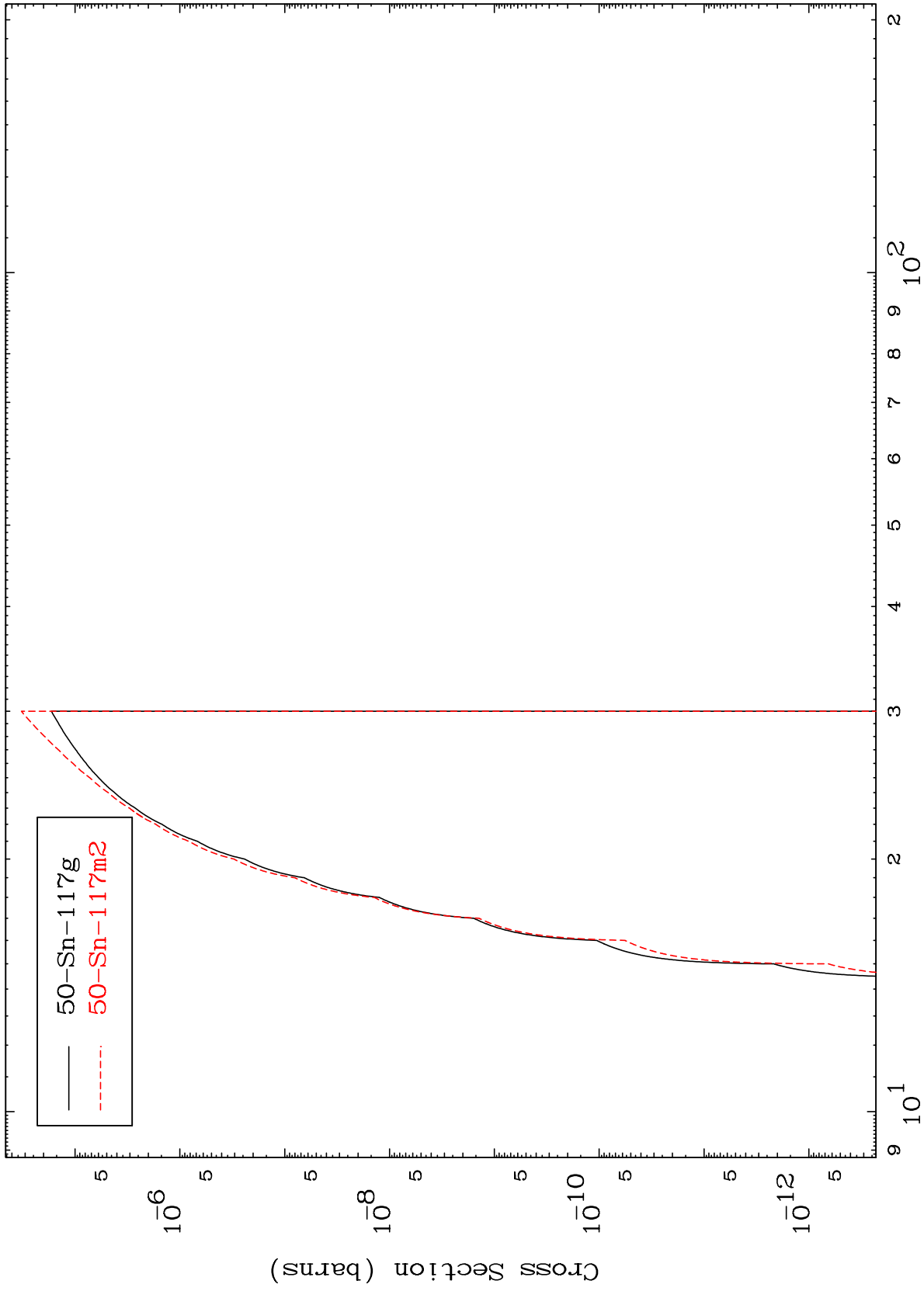
52-Te-119

MAT 5222

(n,p) d

52-Te-119

Radionuclide Production Cross Section



125

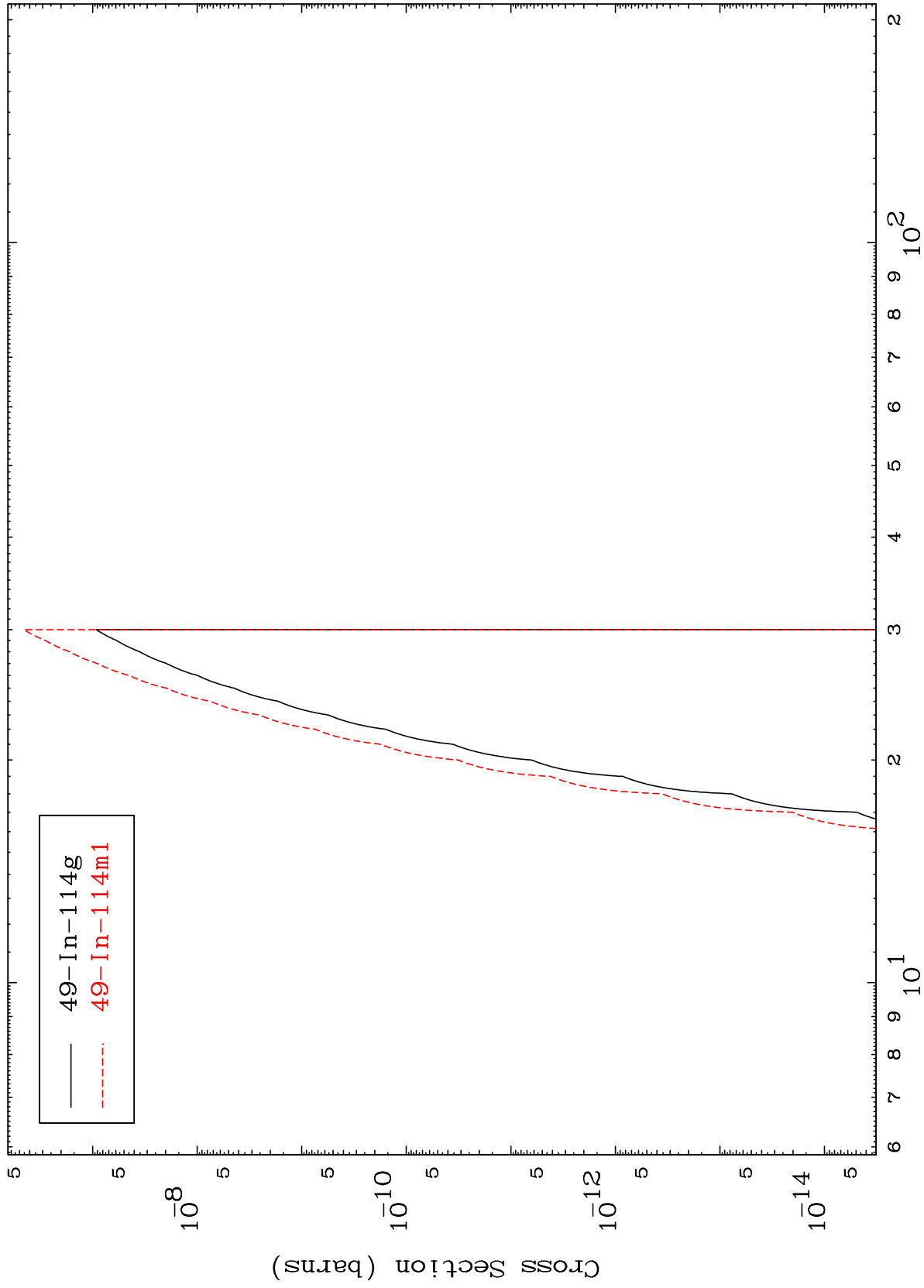
Incident Energy (MeV)

52-Te-119

MAT 5222

52-Te-119

(n,d) α
Radionuclide Production Cross Section



126

52-Te-119

Incident Energy (MeV)