

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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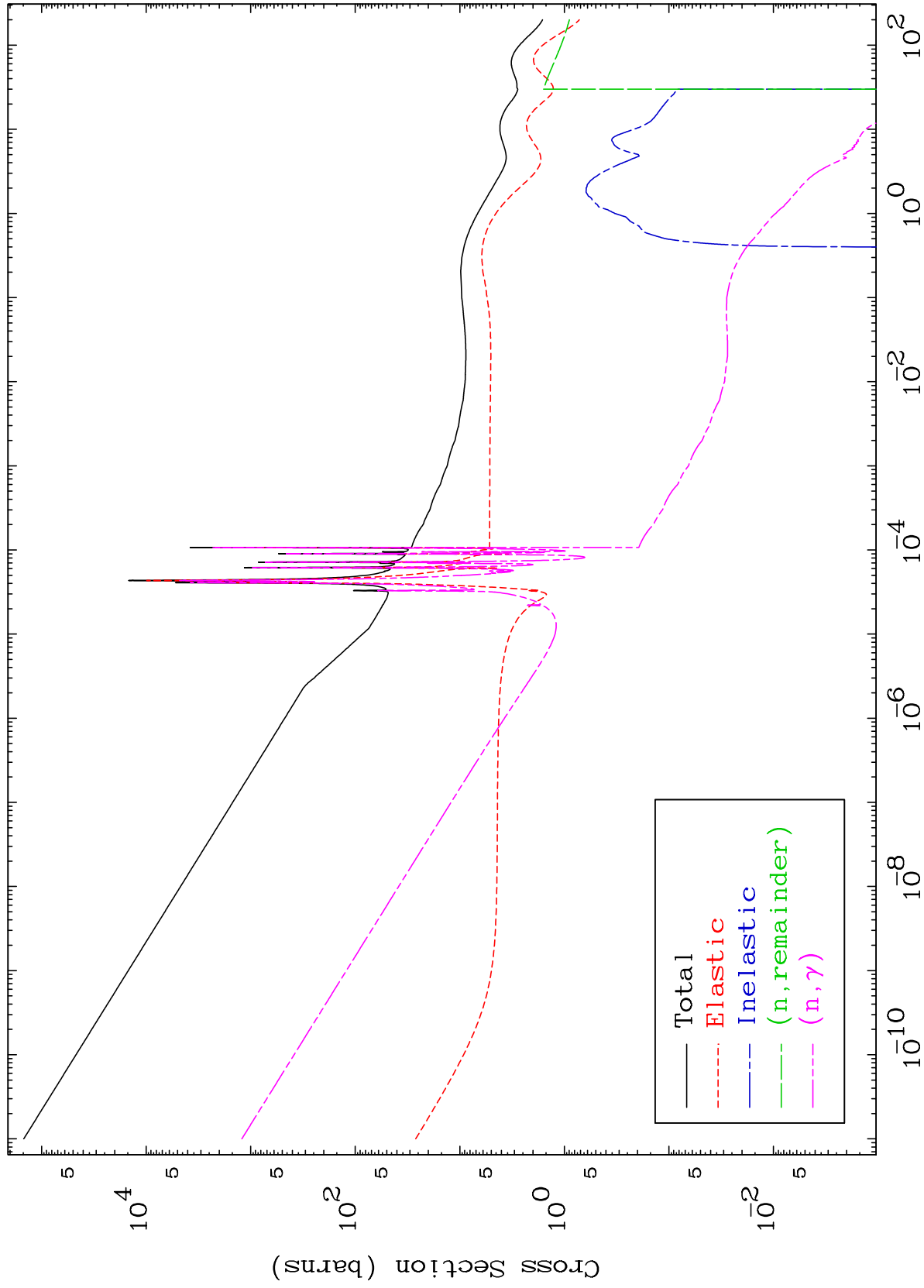
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4301

Major
293 Kelvin Cross Sections

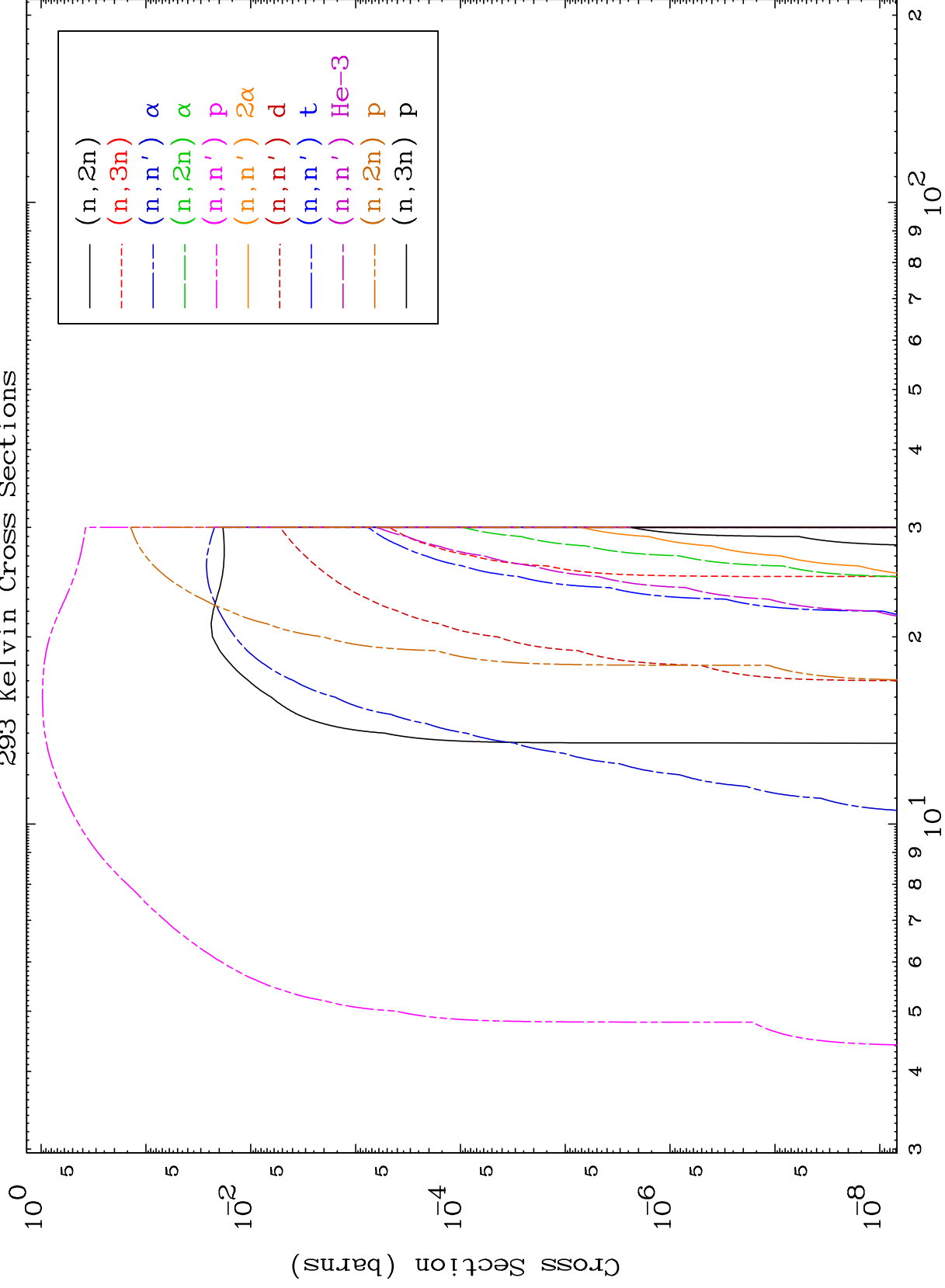
43-Tc-91



MAT 4301

Neutron Production
293 Kelvin Cross Sections

43-Tc-91



2

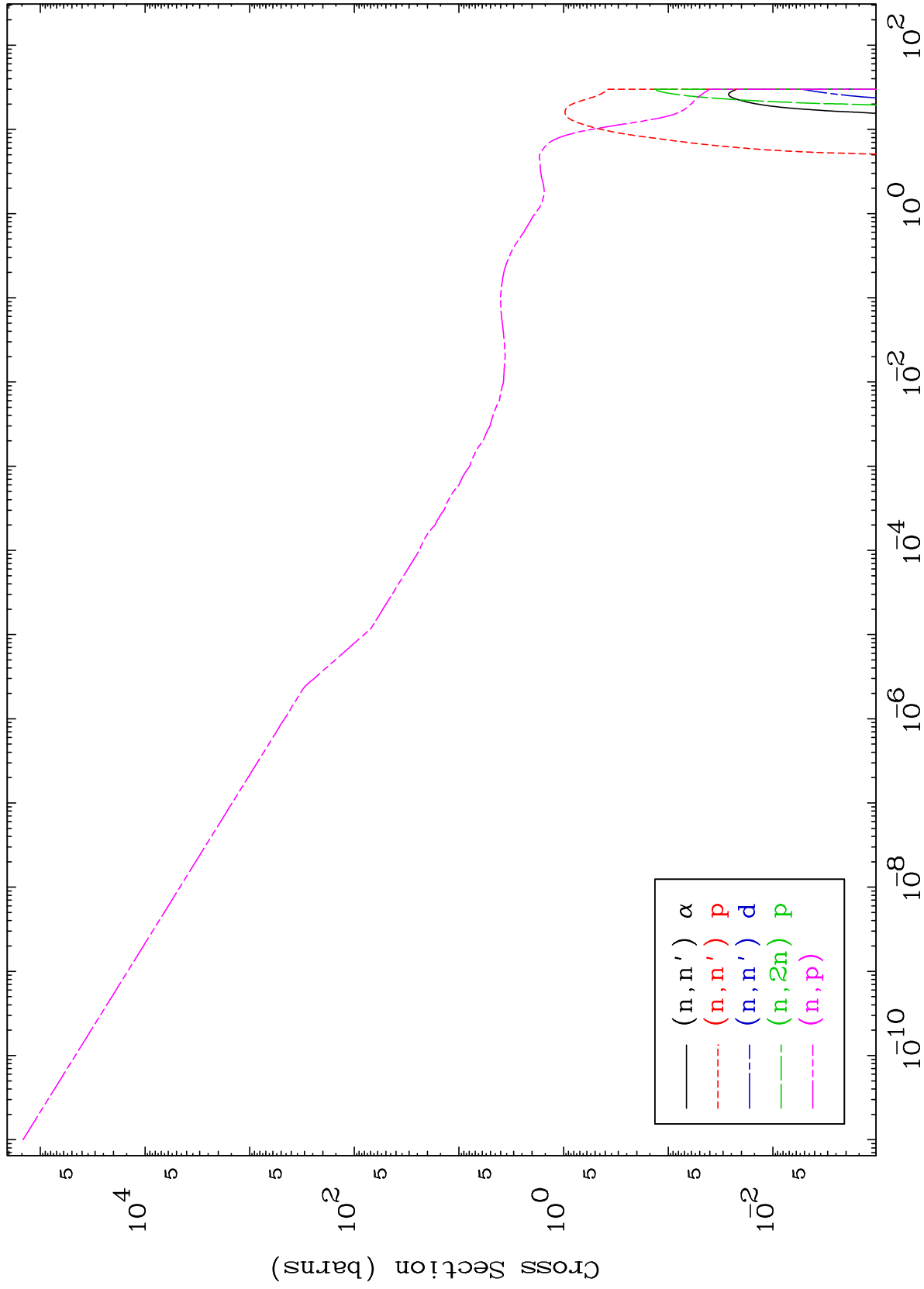
Incident Energy (MeV)

43-Tc-91

MAT 4301

Charged Particle
293 Kelvin Cross Sections

43-Tc-91



3

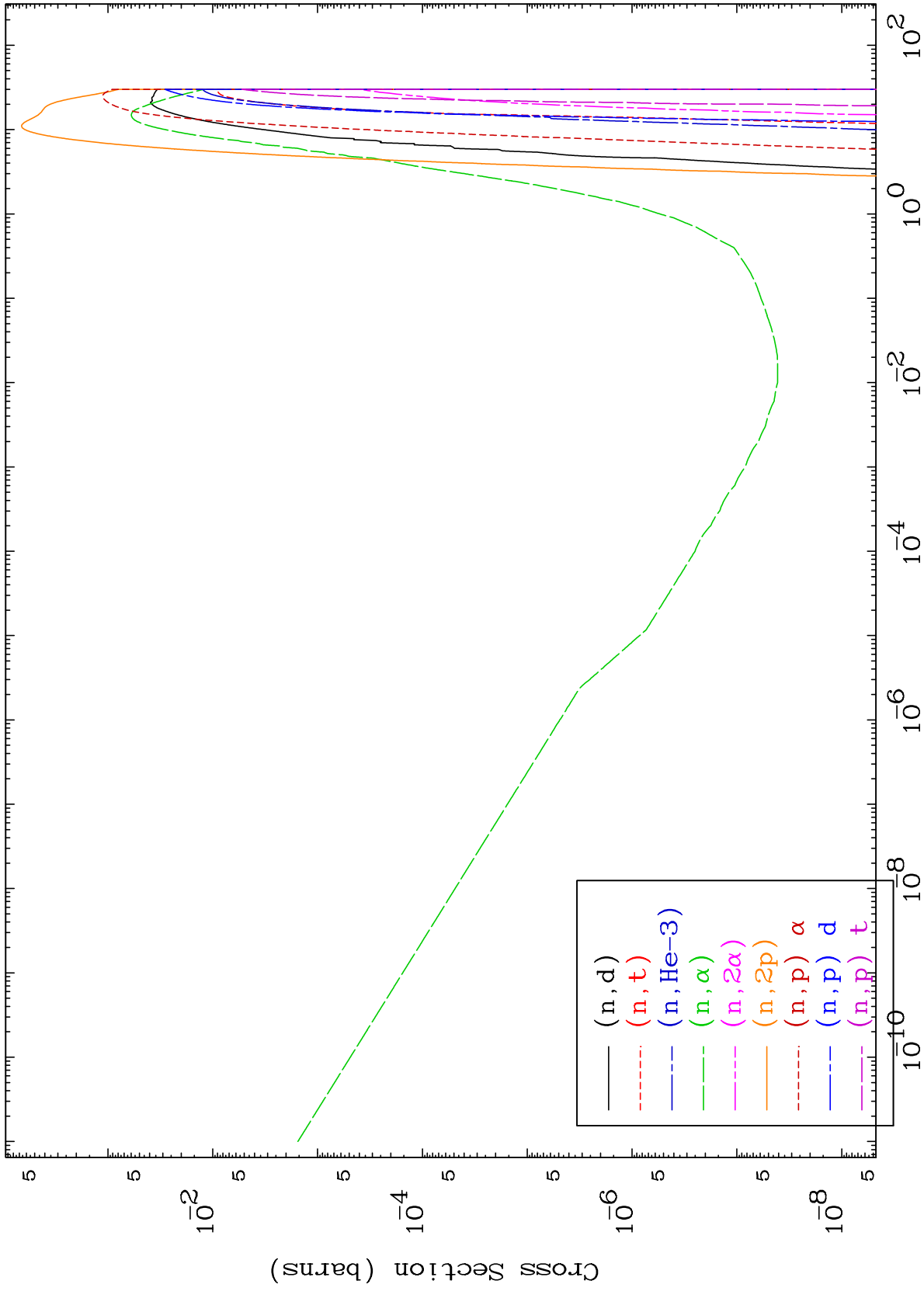
Incident Energy (MeV)

43-Tc-91

MAT 4301

Charged Particle
293 Kelvin Cross Sections

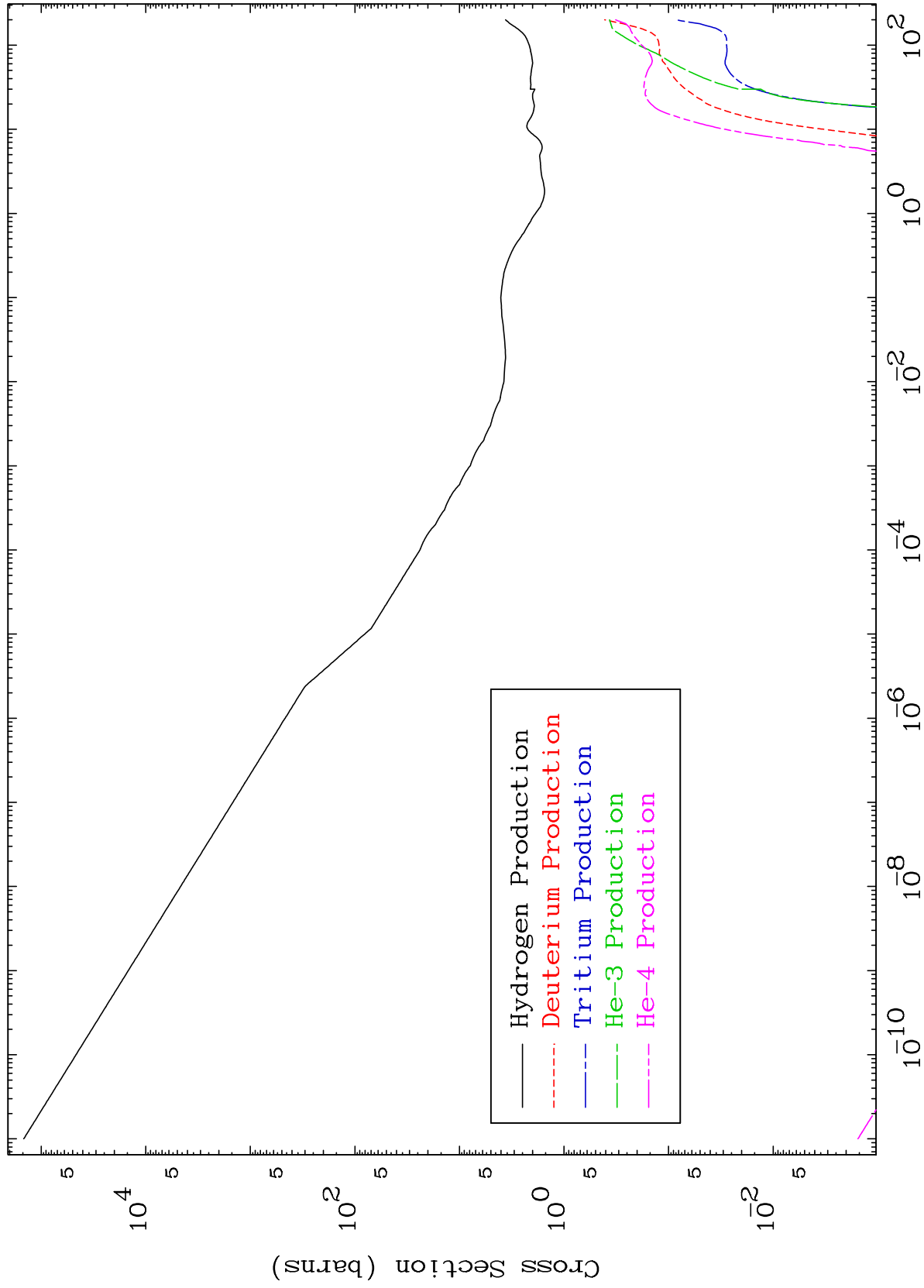
43-Tc-91



MAT 4301

Particle Production
293 Kelvin Cross Sections

43-Tc-91



5

Incident Energy (MeV)

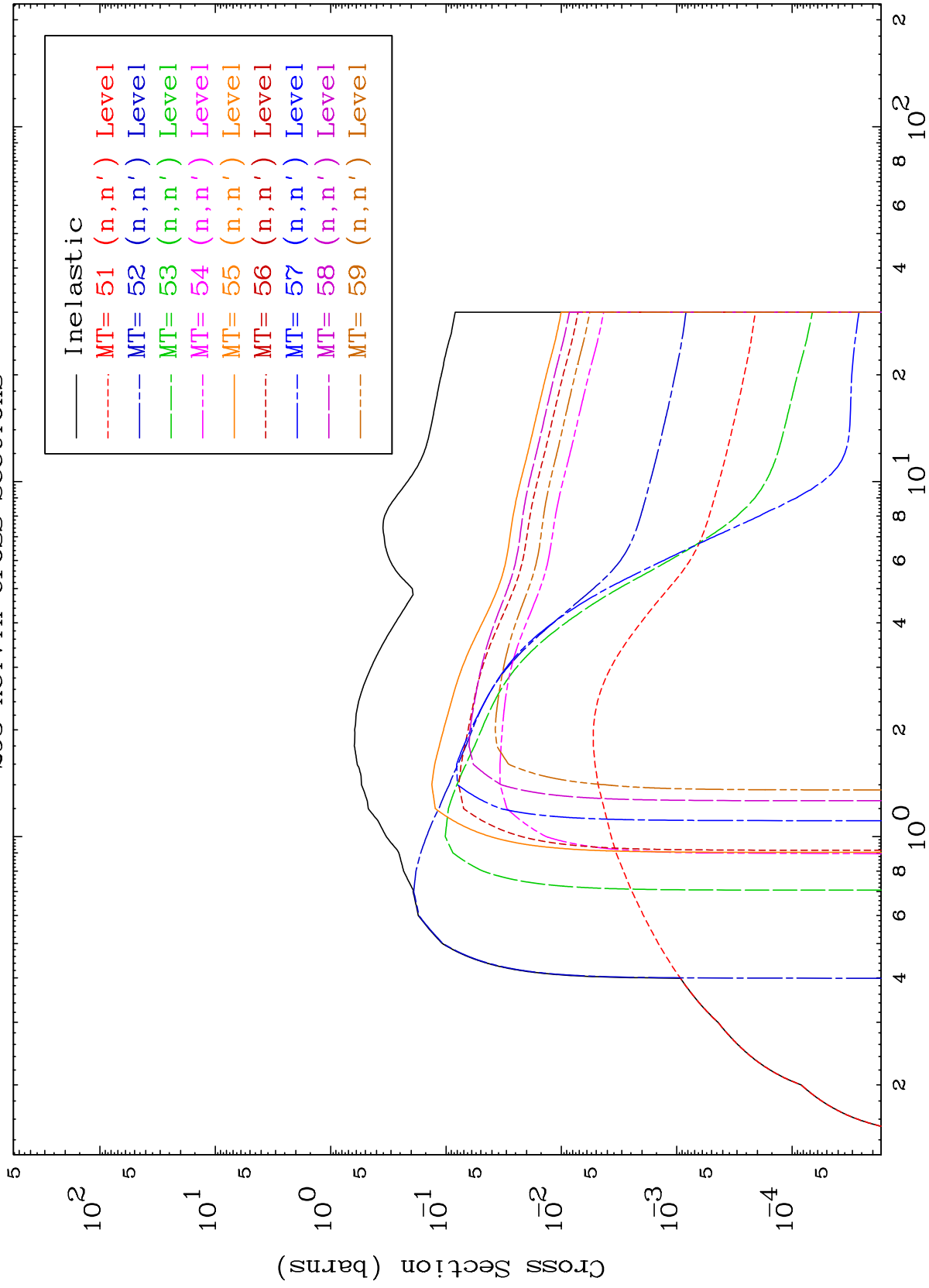
43-Tc-91

MAT 4301

(n,n') Level

43-Tc-91

293 Kelvin Cross Sections



6

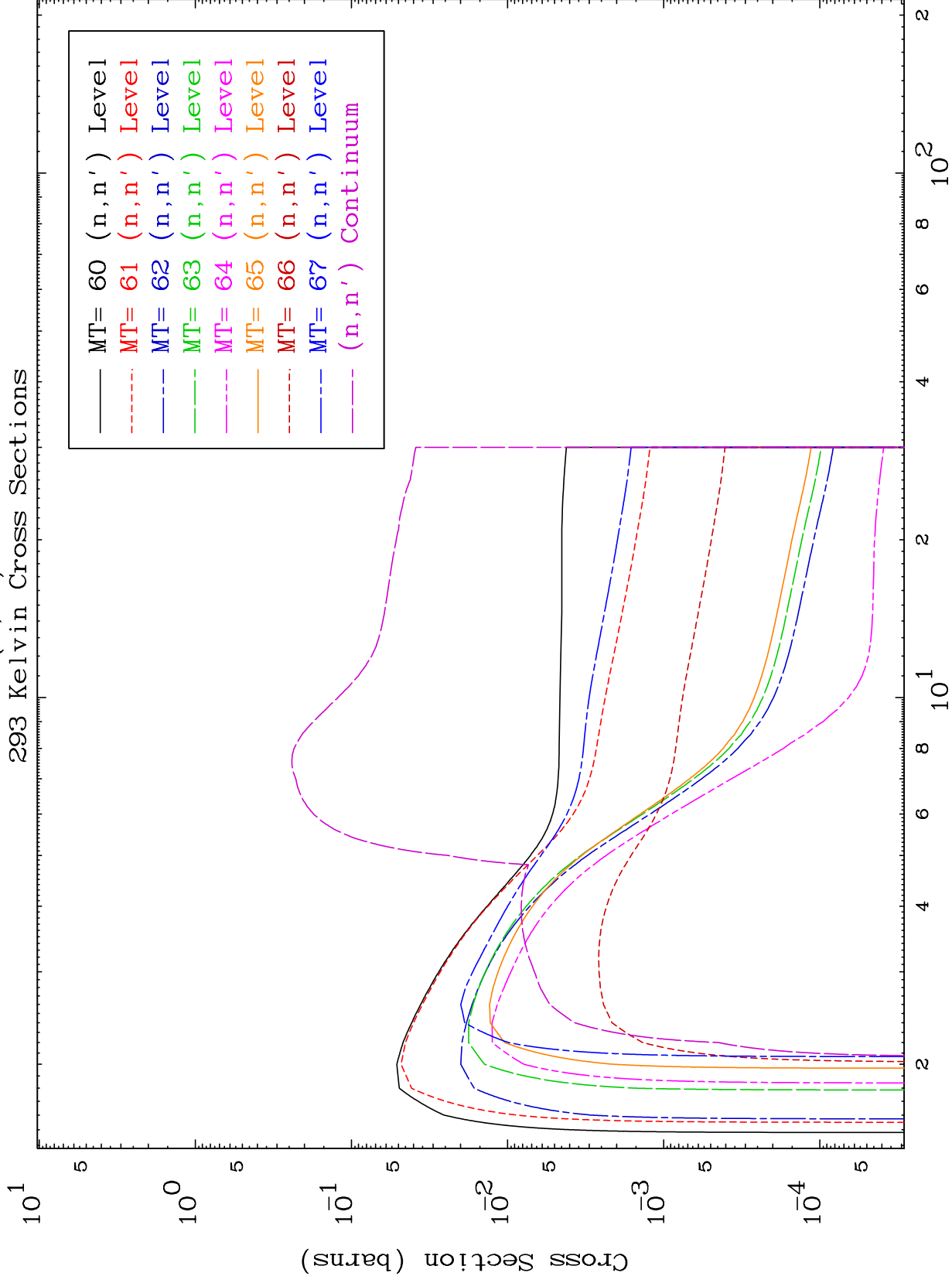
Incident Energy (MeV)

43-Tc-91

MAT 4301

(n,n') Level
293 Kelvin Cross Sections

43-Tc-91



7

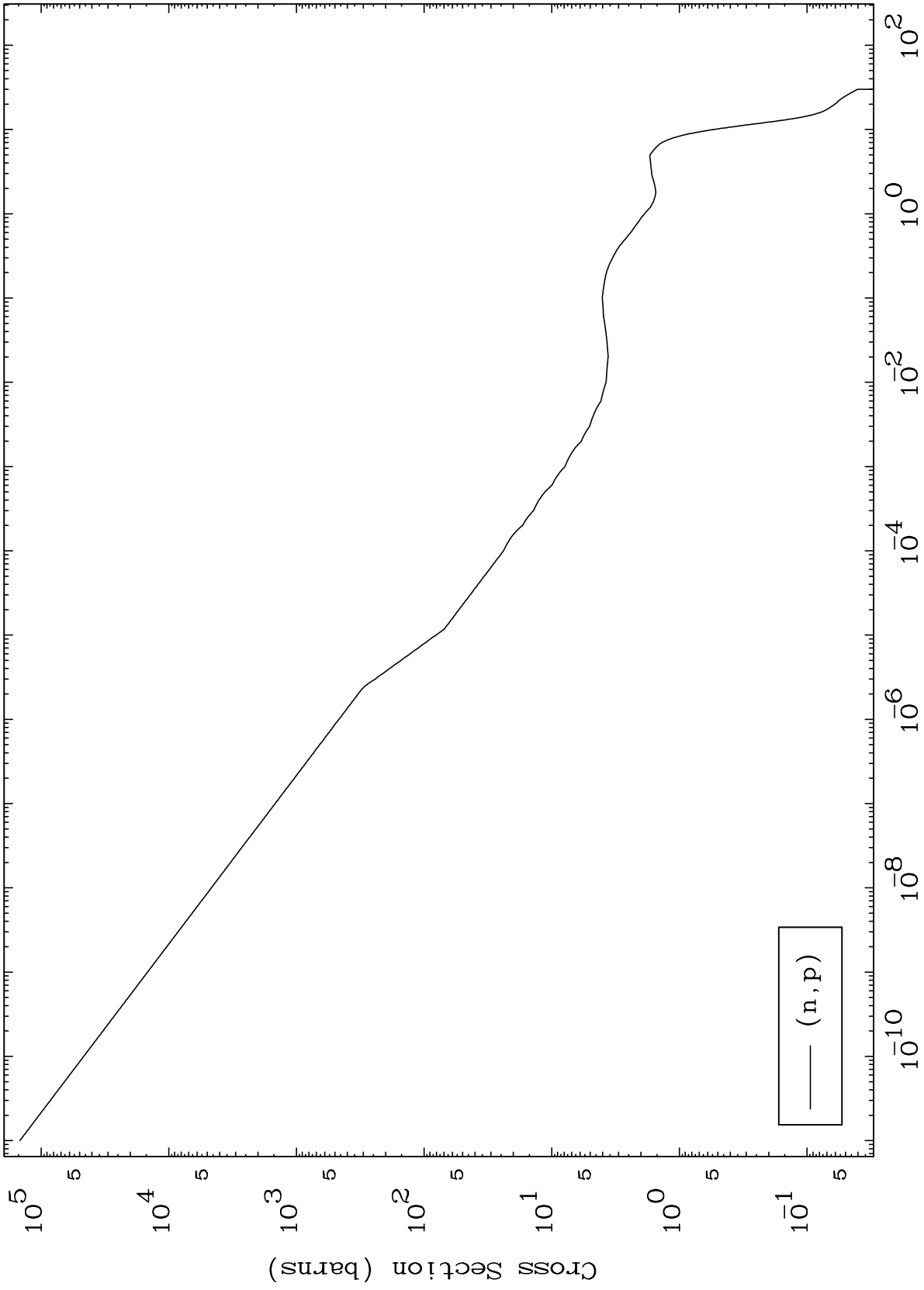
Incident Energy (MeV)

43-Tc-91

MAT 4301

(n,p) Levels
293 Kelvin Cross Sections

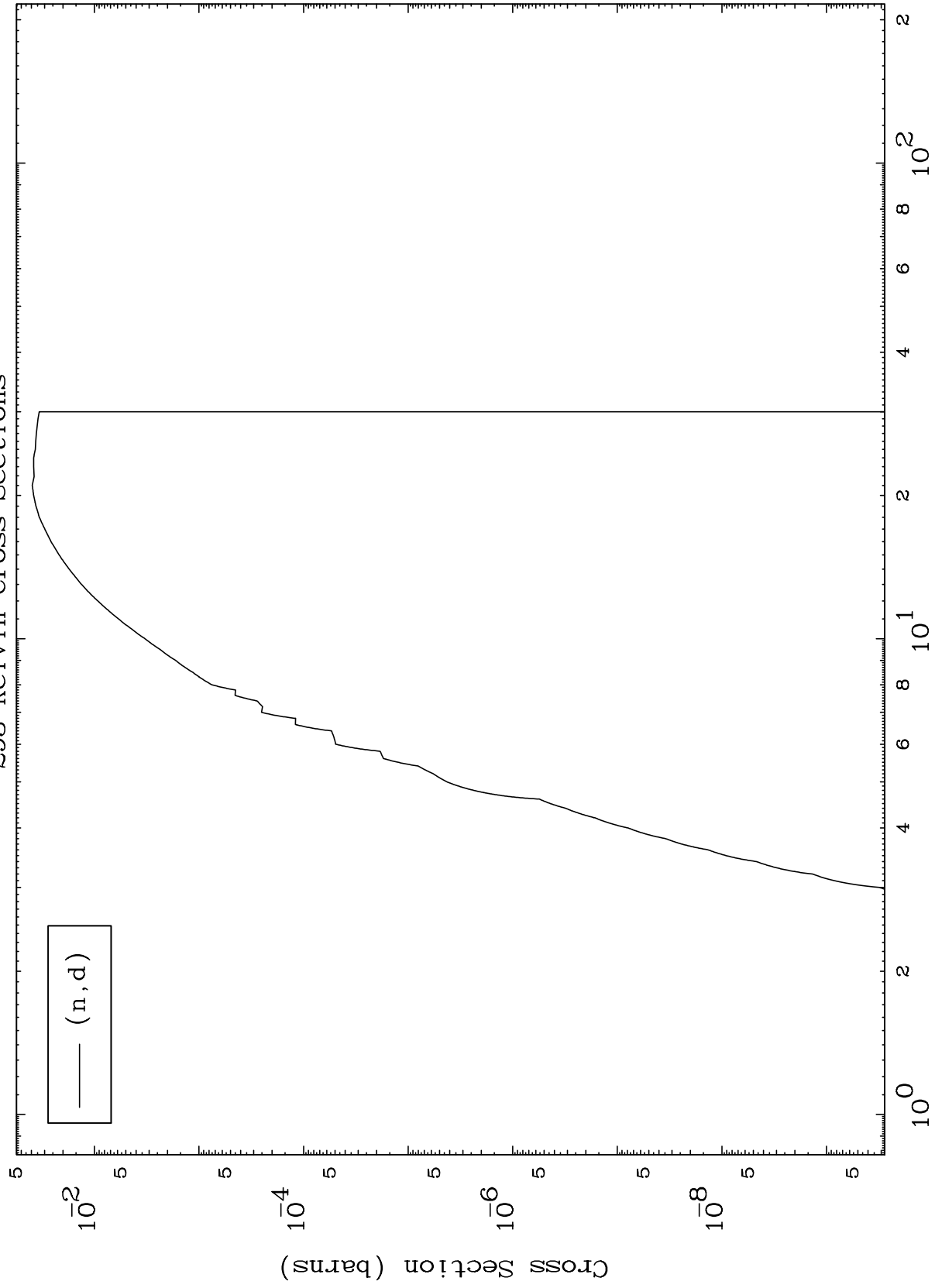
43-Tc-91



MAT 4301

(n,d) Levels
293 Kelvin Cross Sections

43-Tc-91



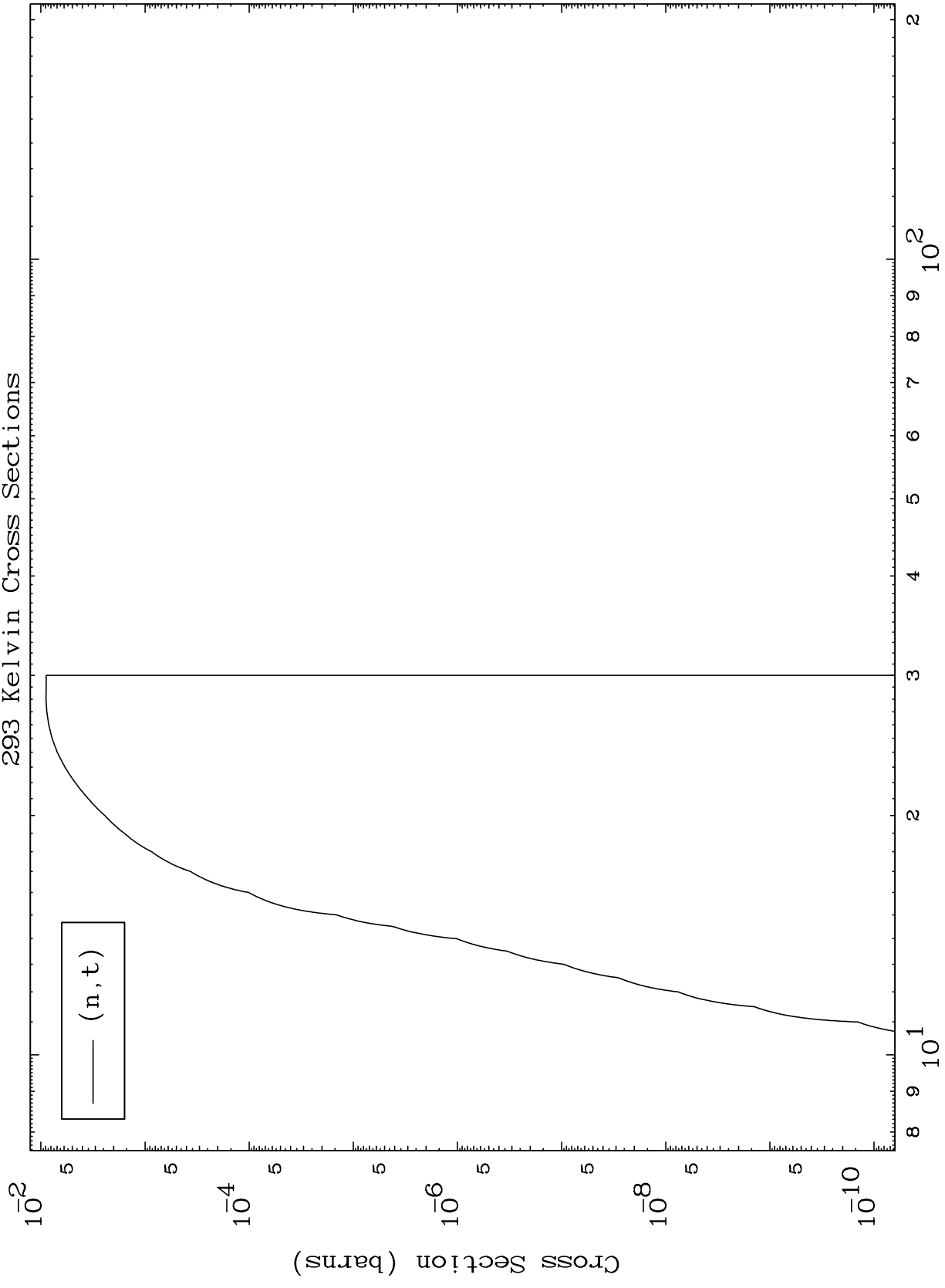
9

43-Tc-91

MAT 4301

(n,t) Levels
293 Kelvin Cross Sections

43-Tc-91



10

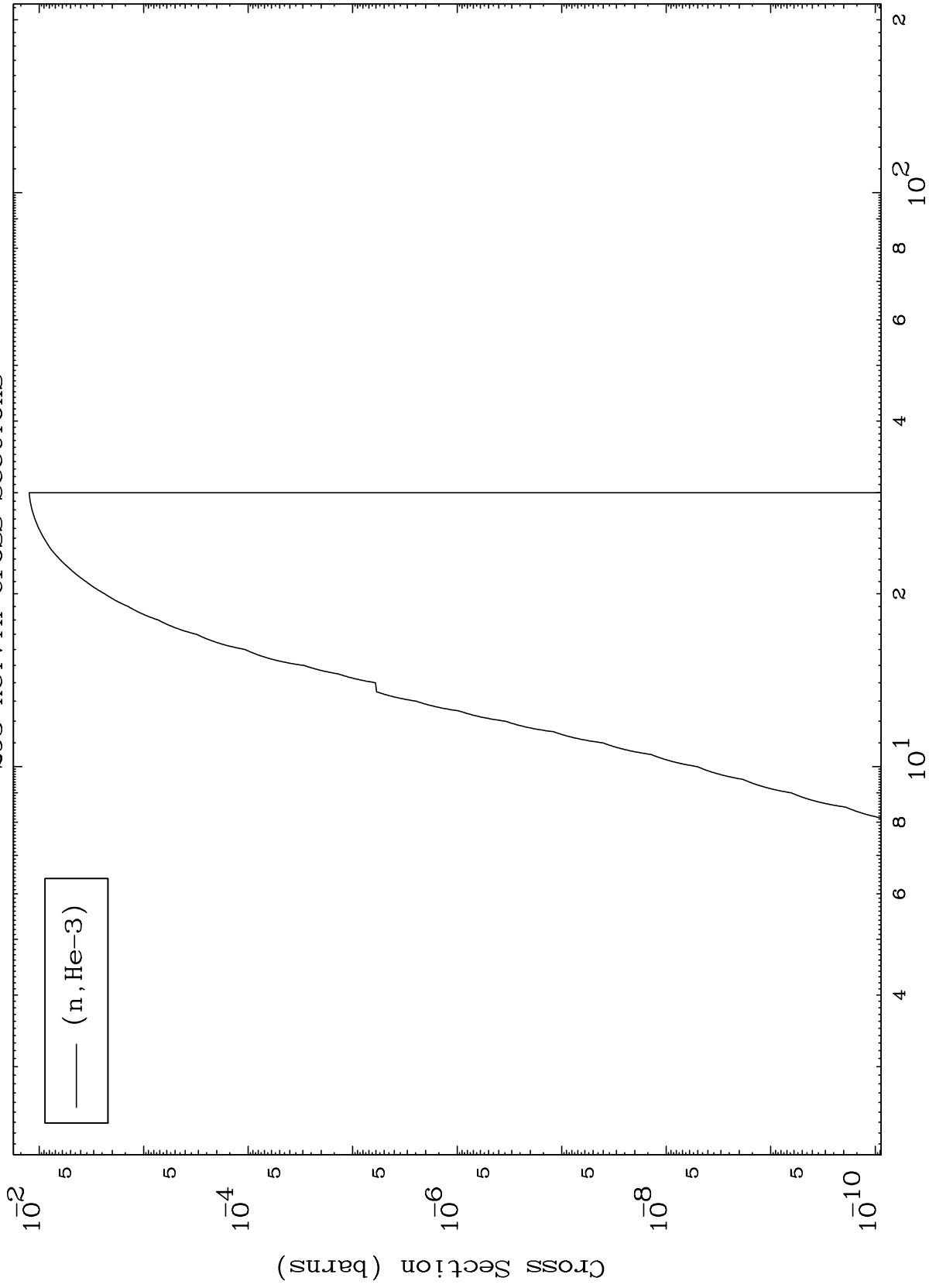
Incident Energy (MeV)

43-Tc-91

MAT 4301

(n,He3) Levels
293 Kelvin Cross Sections

43-Tc-91



11

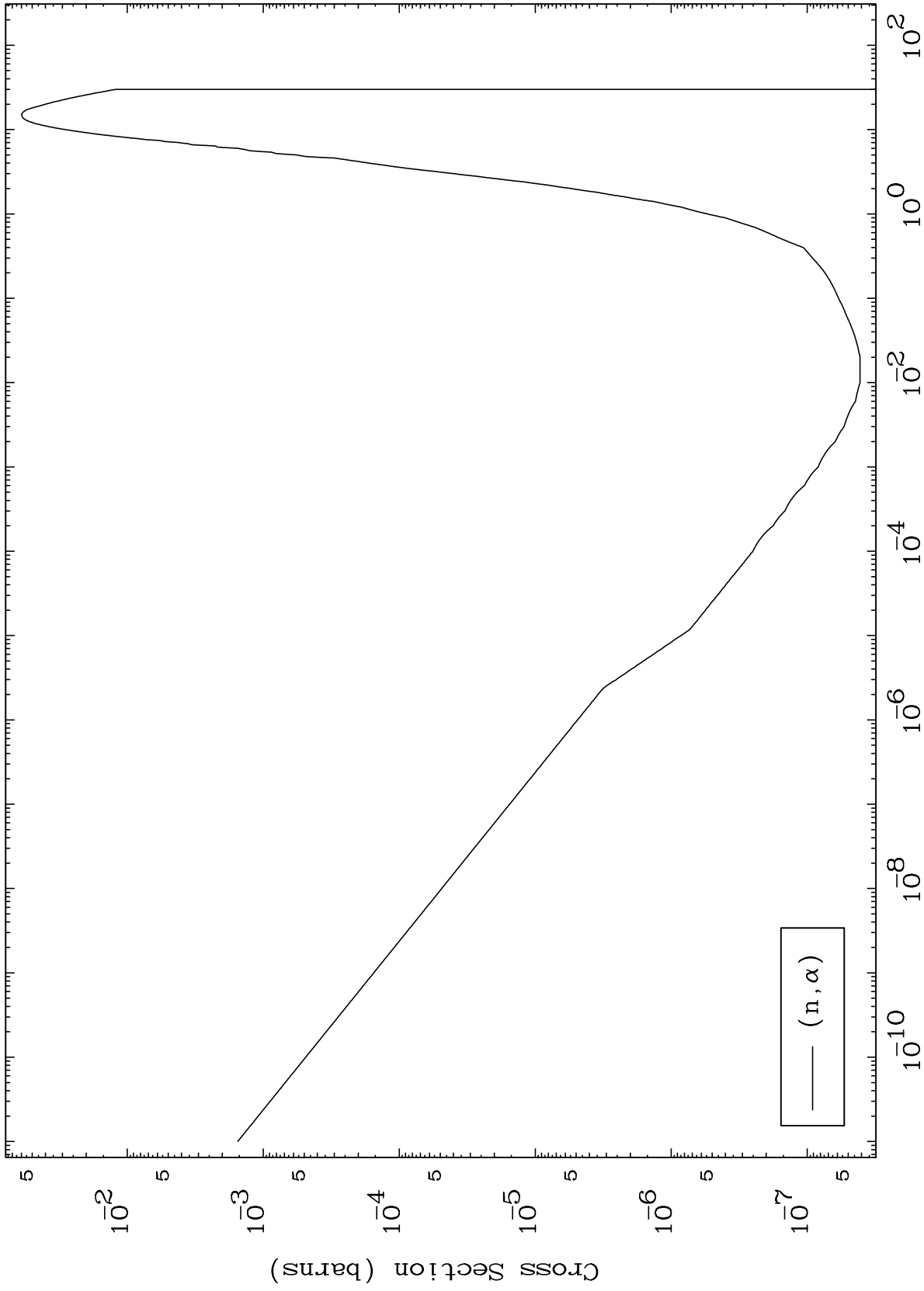
Incident Energy (MeV)

43-Tc-91

MAT 4301

(n, α) Levels
293 Kelvin Cross Sections

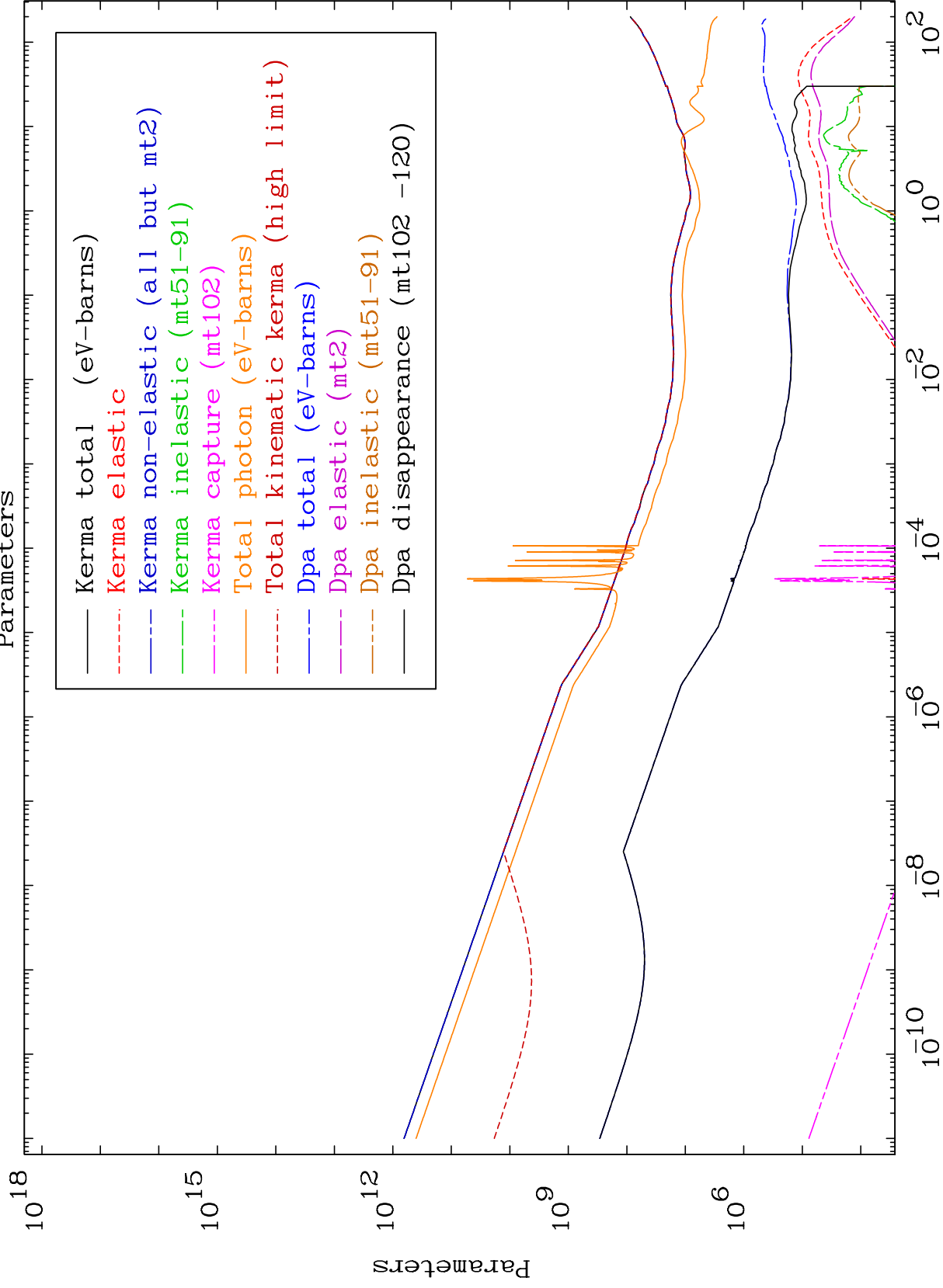
43-Tc-91



12

Incident Energy (MeV)

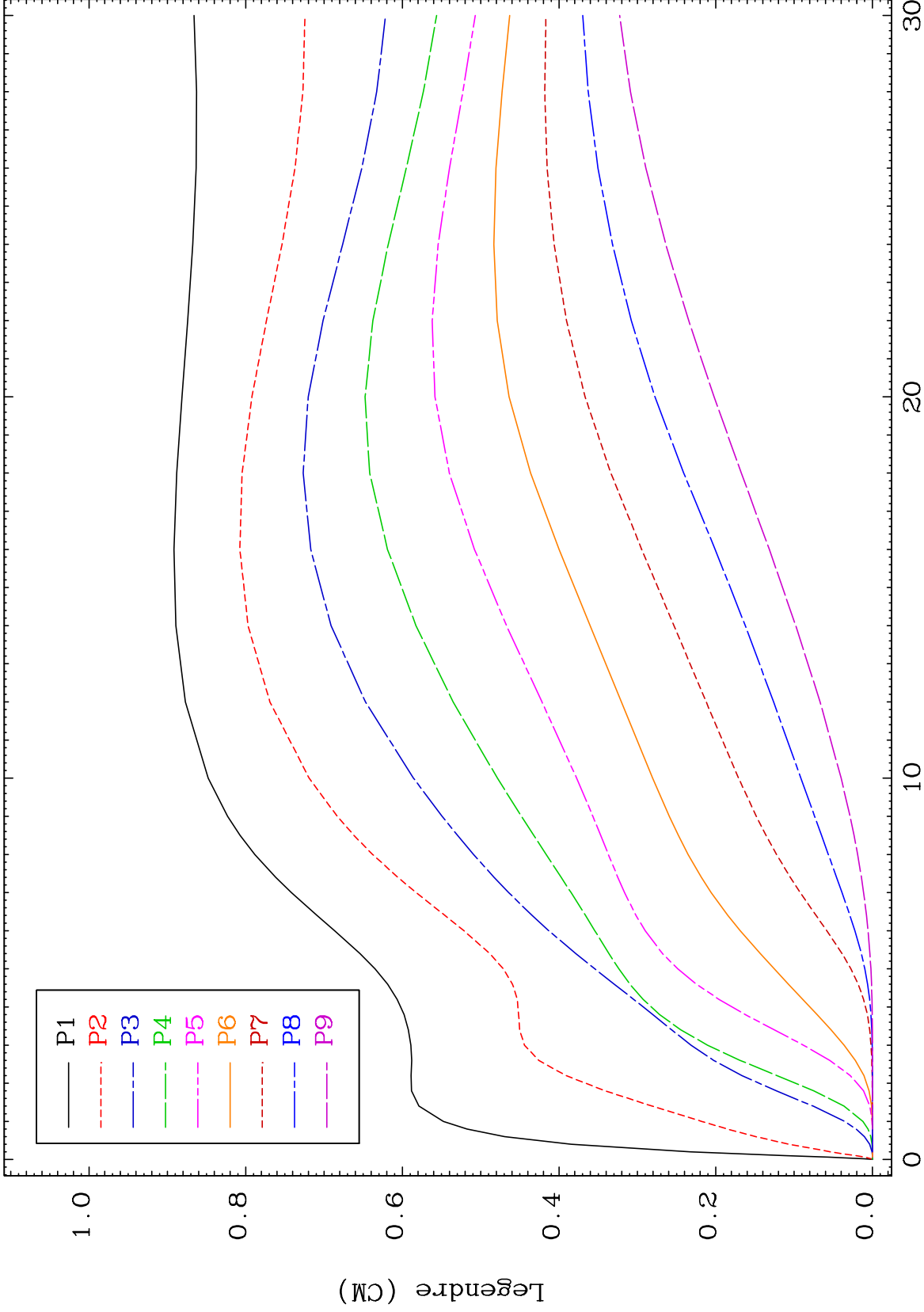
43-Tc-91



MAT 4301

Elastic Legendre Coefficients

43-Tc-91



14

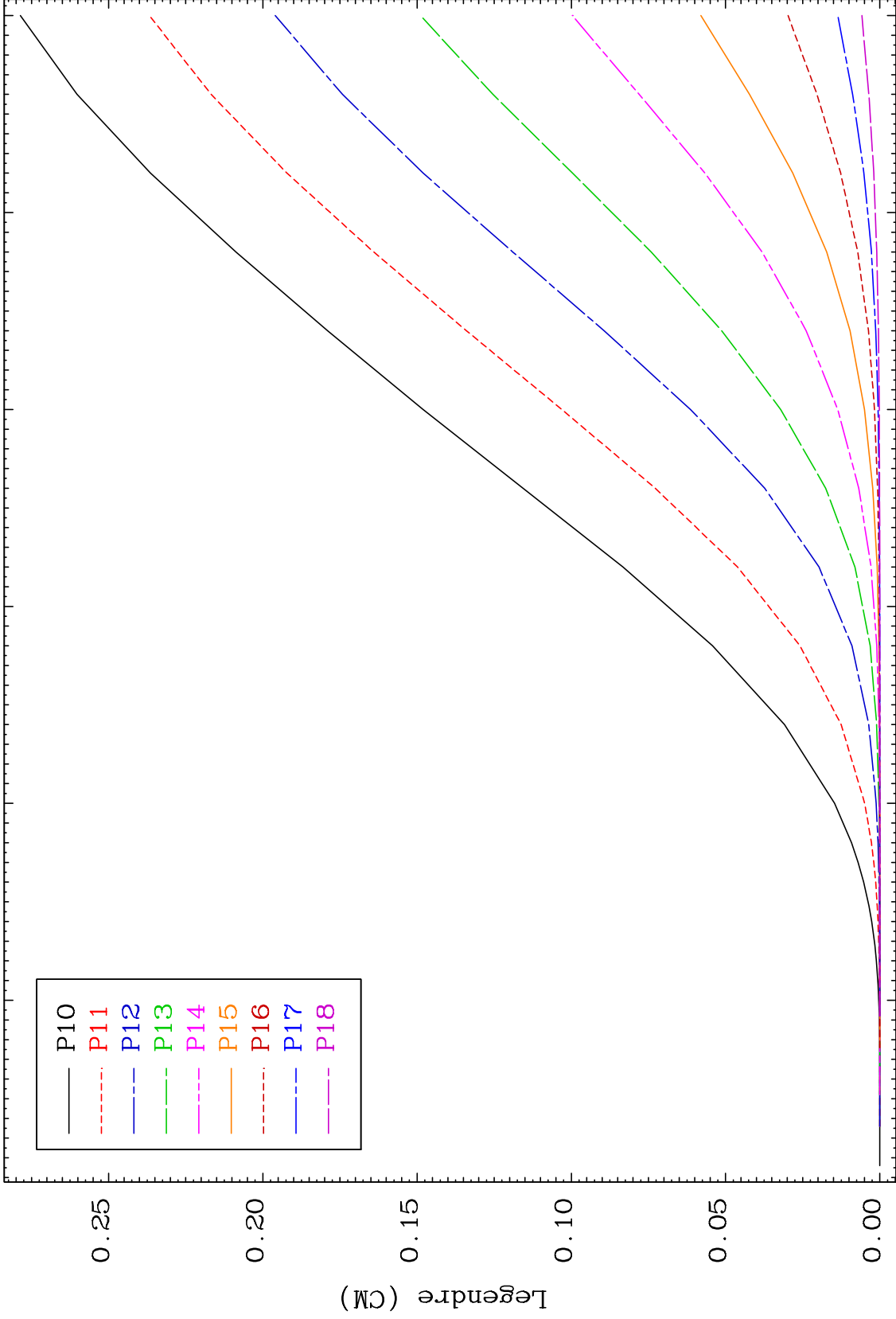
Incident Energy (MeV)

43-Tc-91

MAT 4301

Elastic Legendre Coefficients

43-Tc-91



15

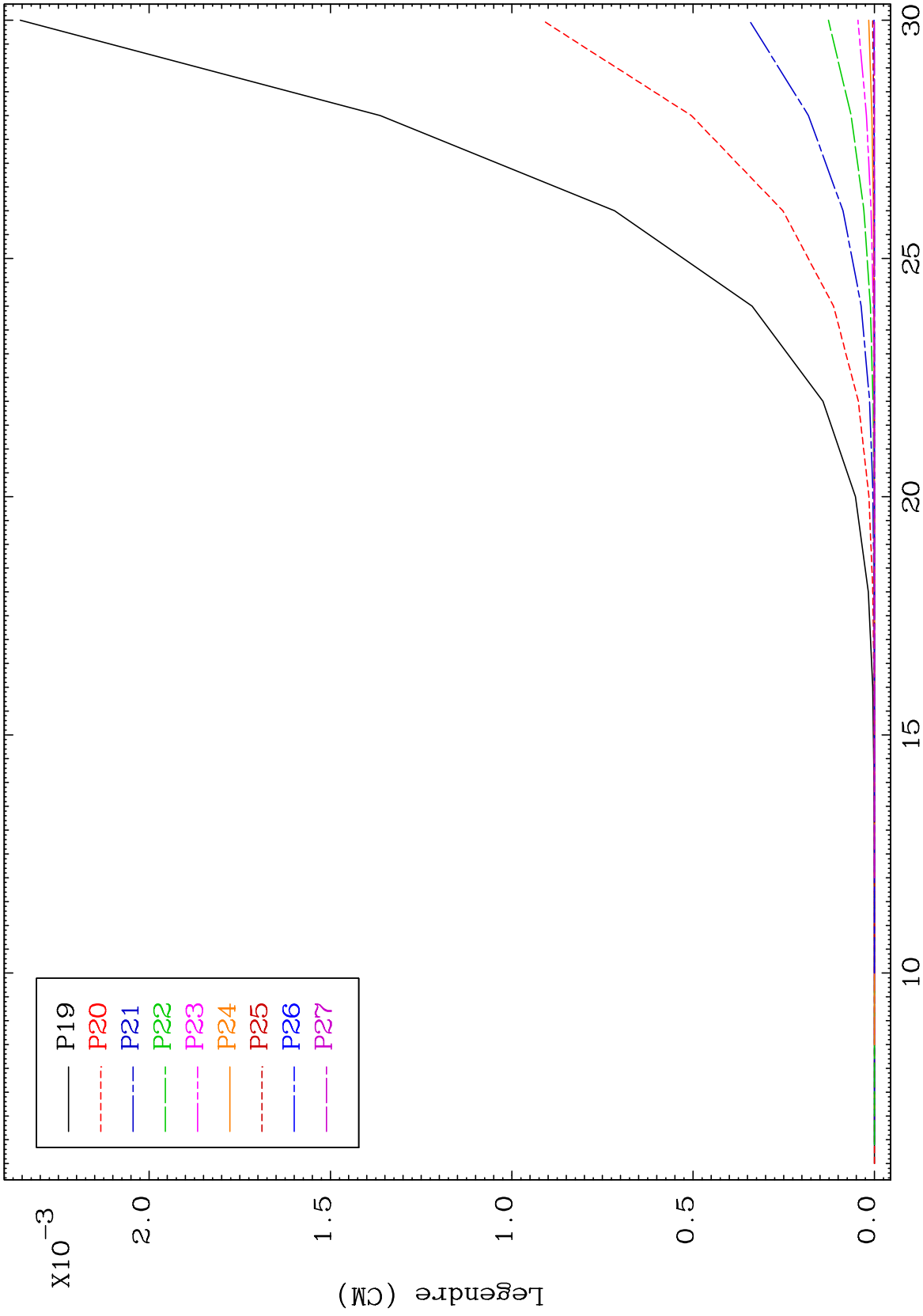
Incident Energy (MeV)

43-Tc-91

MAT 4301

Elastic Legendre Coefficients

43-Tc-91



16

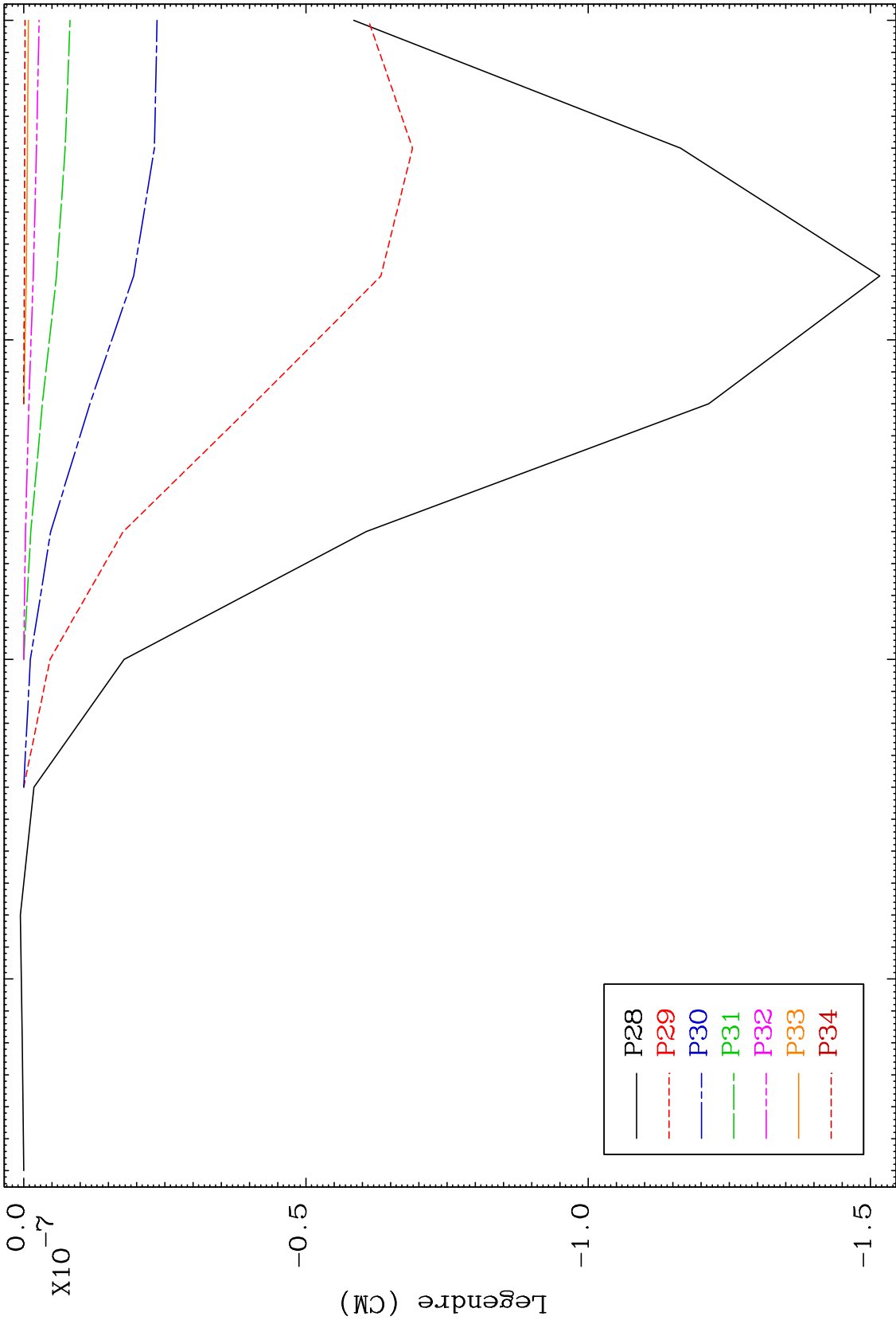
Incident Energy (MeV)

43-Tc-91

MAT 4301

43-Tc-91

Elastic Legendre Coefficients



17

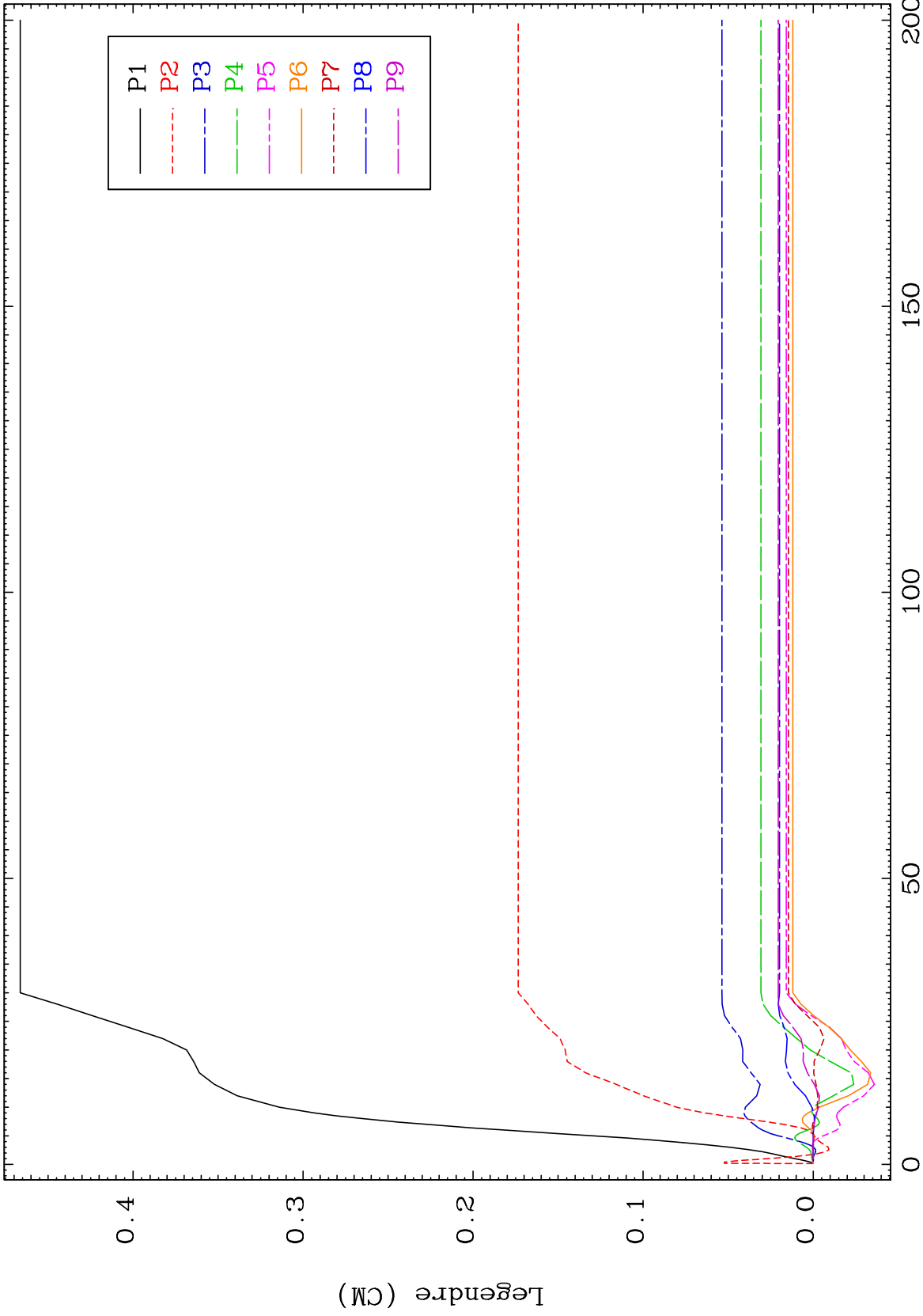
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



18

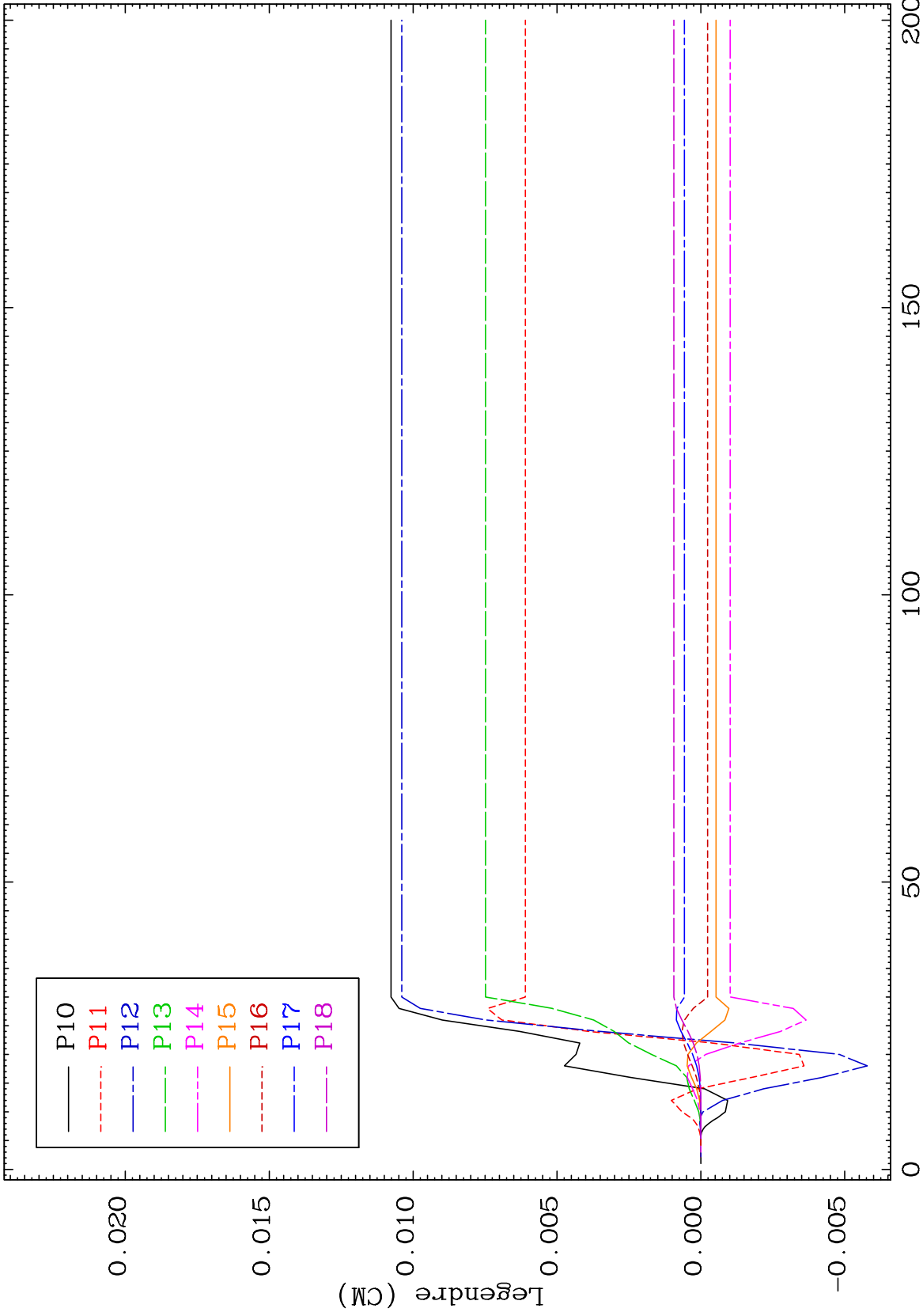
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



19

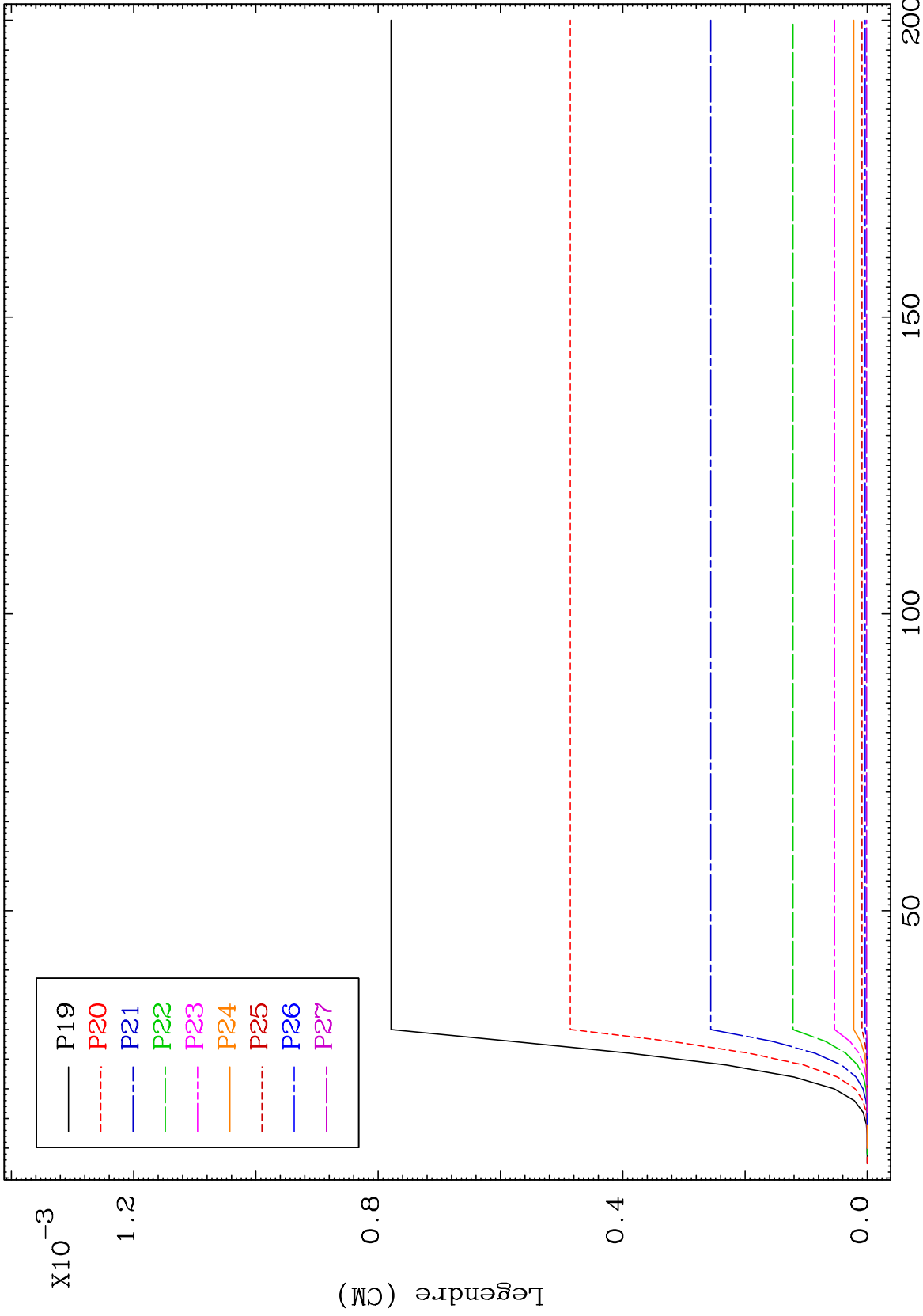
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



20

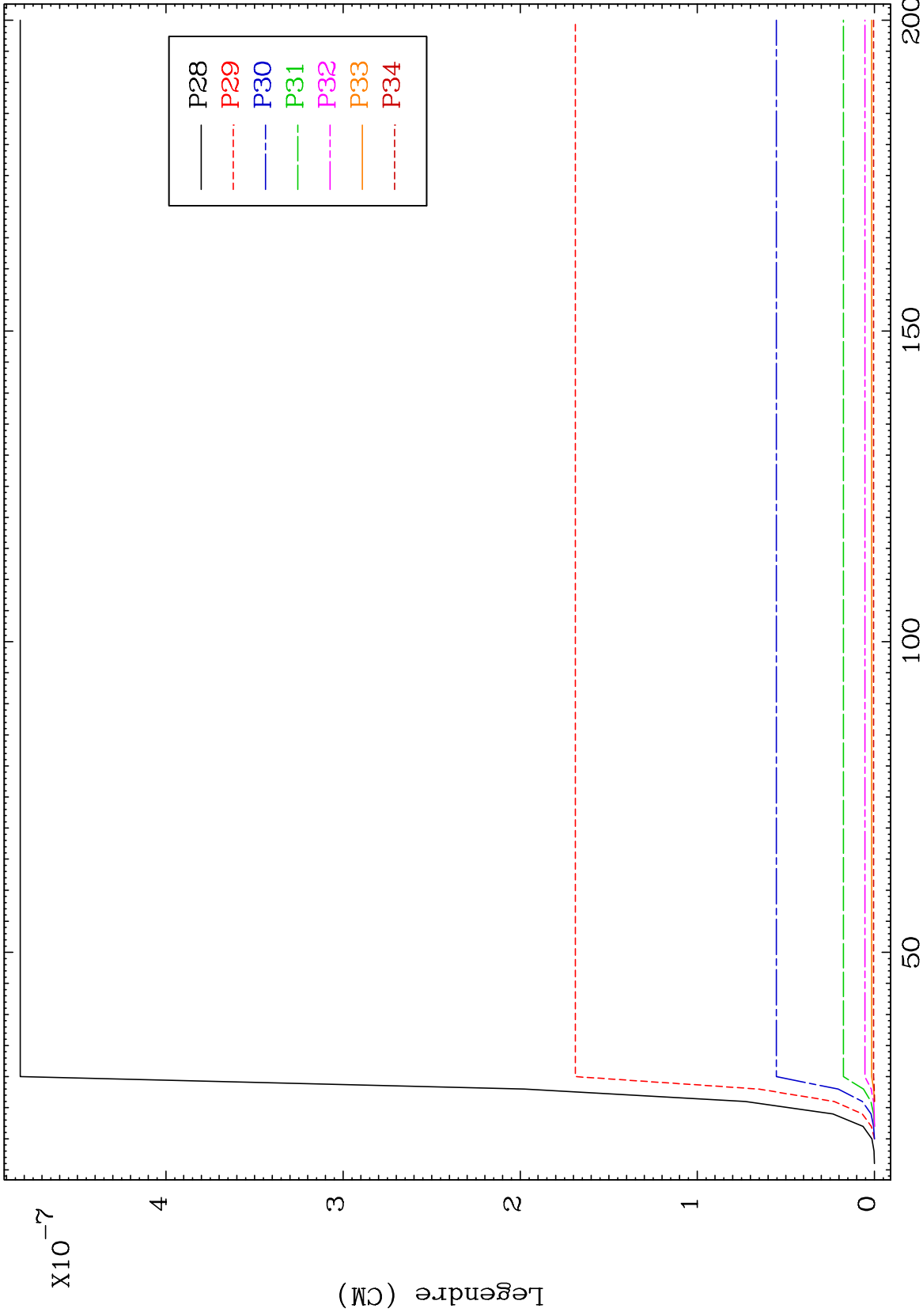
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



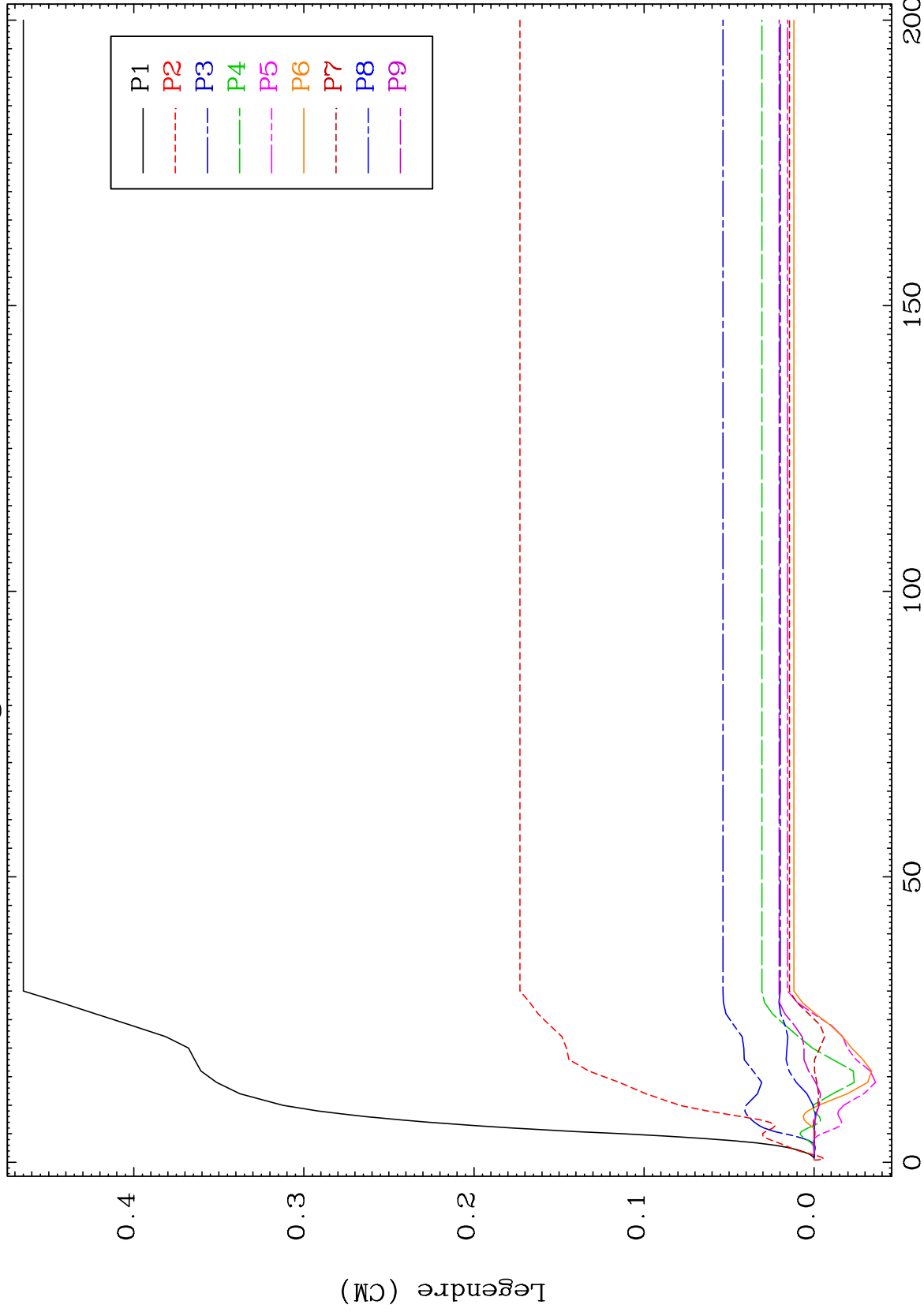
21

43-Tc-91

MAT 4301

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

43-Tc-91



22

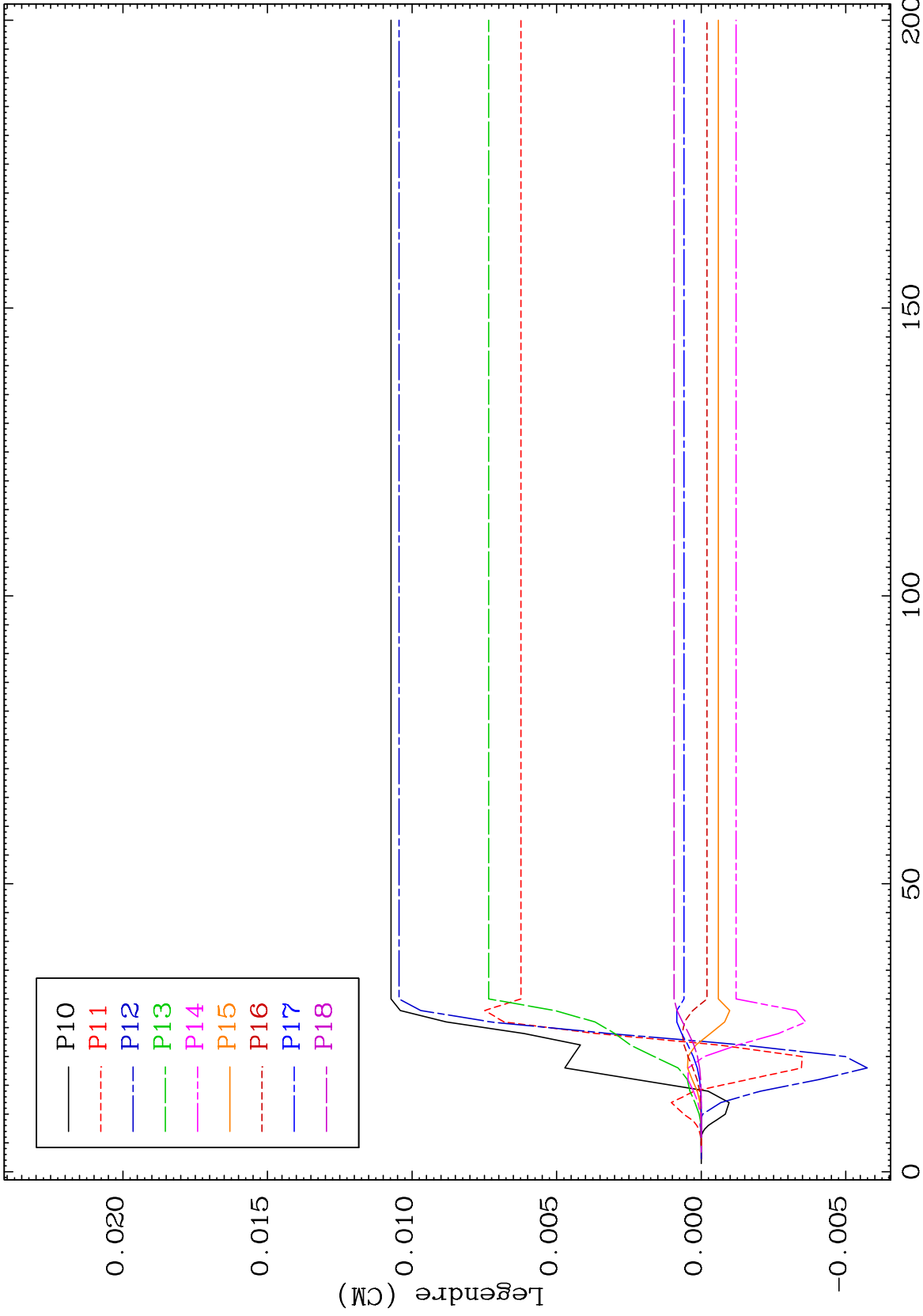
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



23

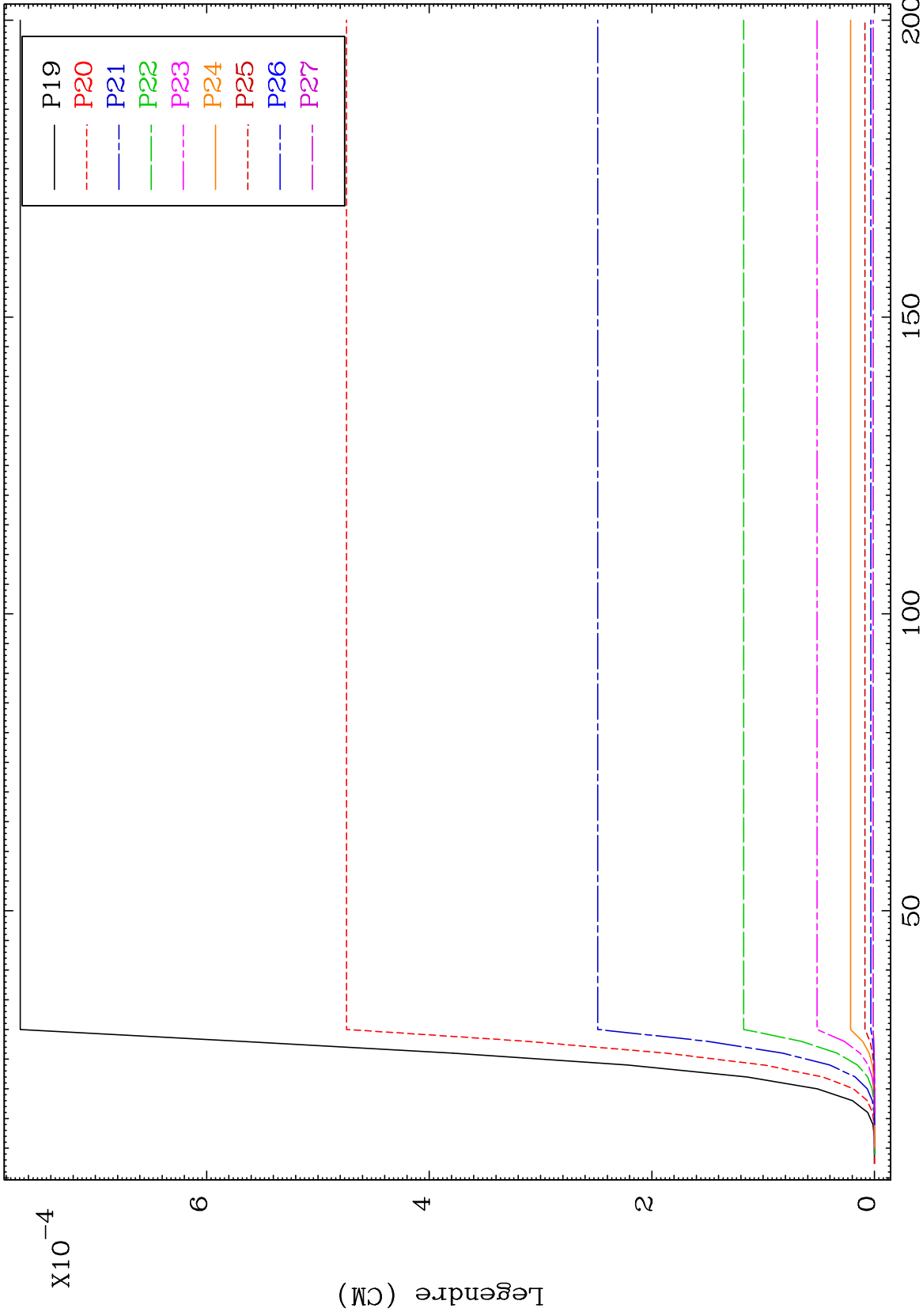
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



24

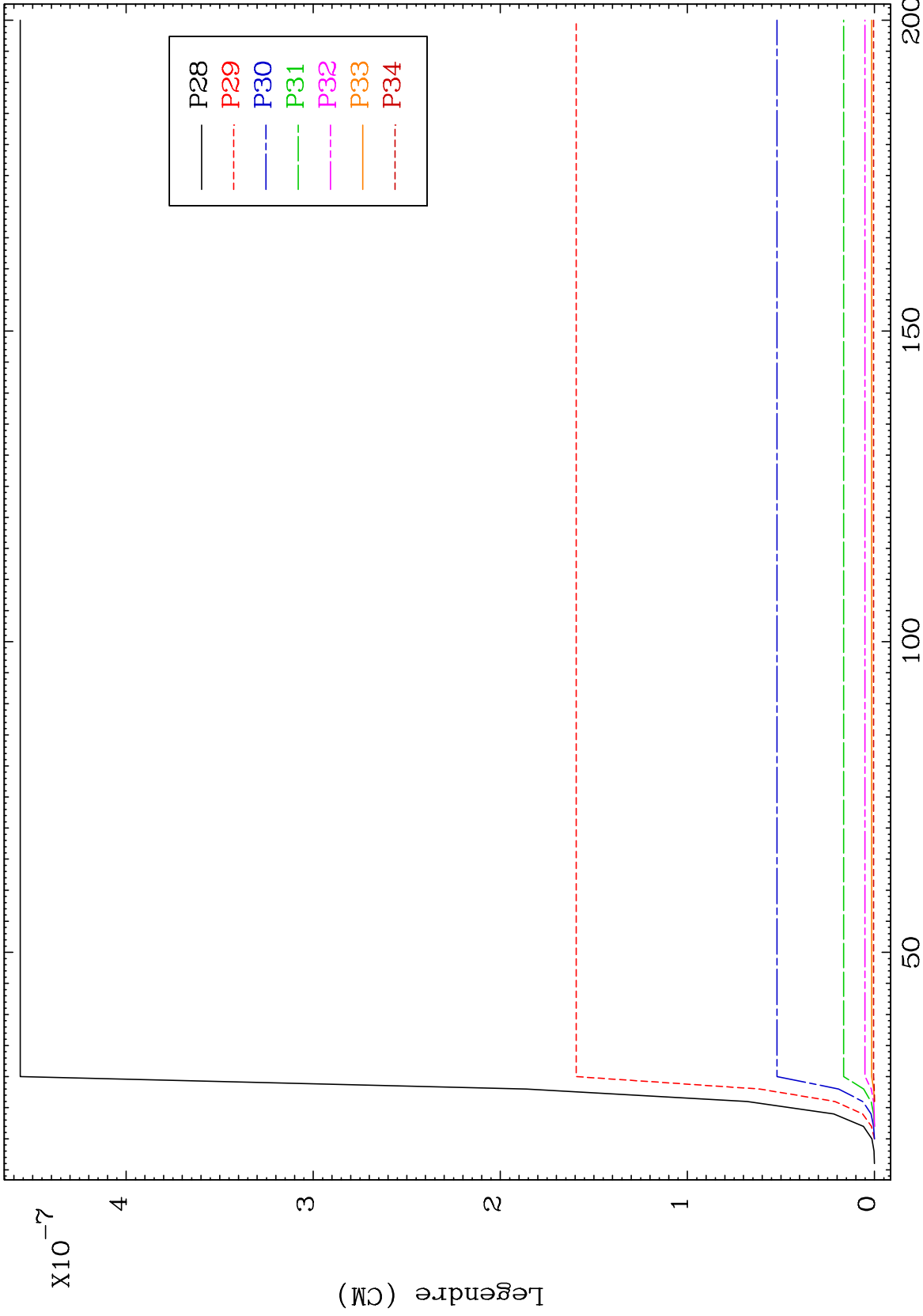
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



25

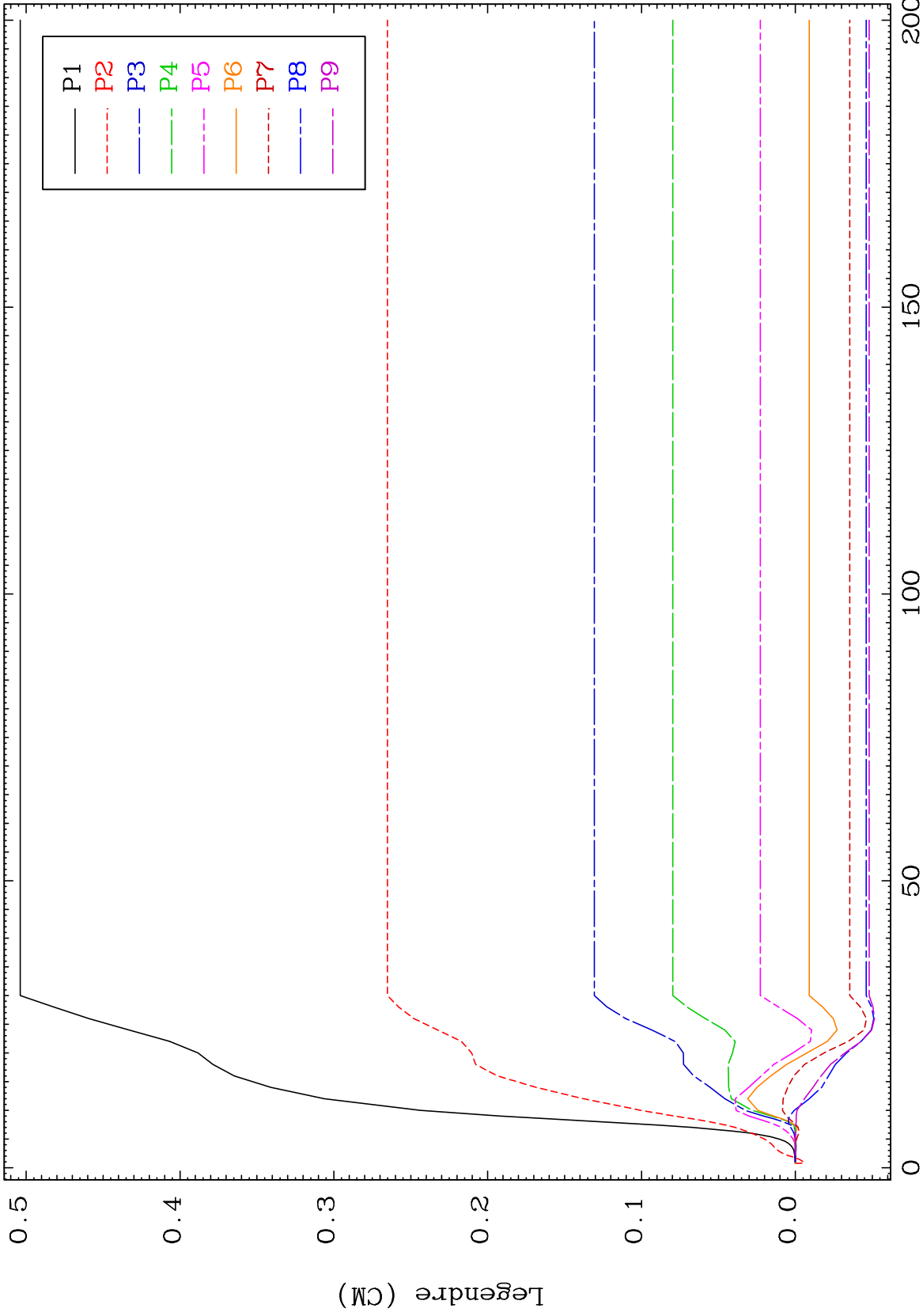
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



26

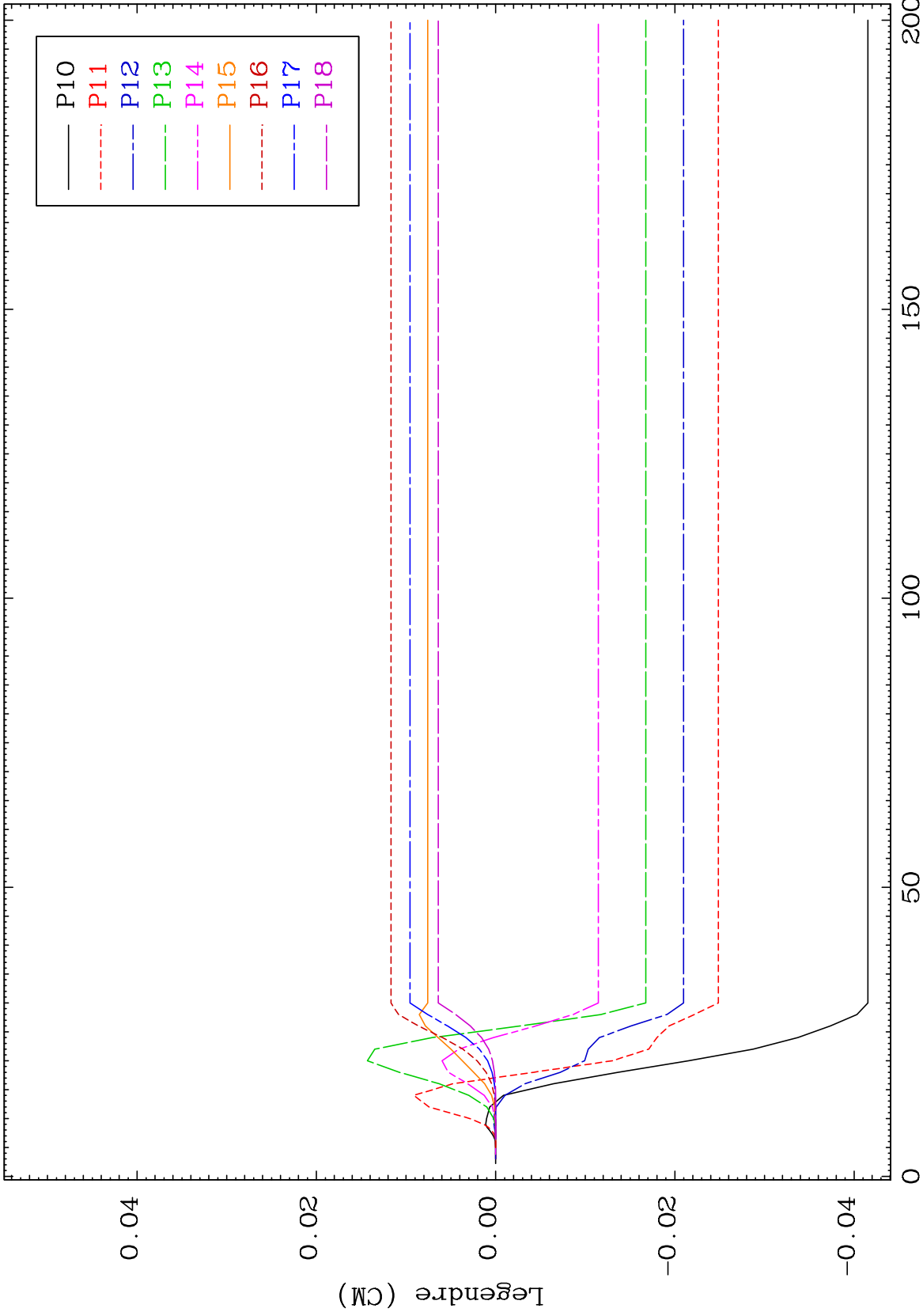
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



27

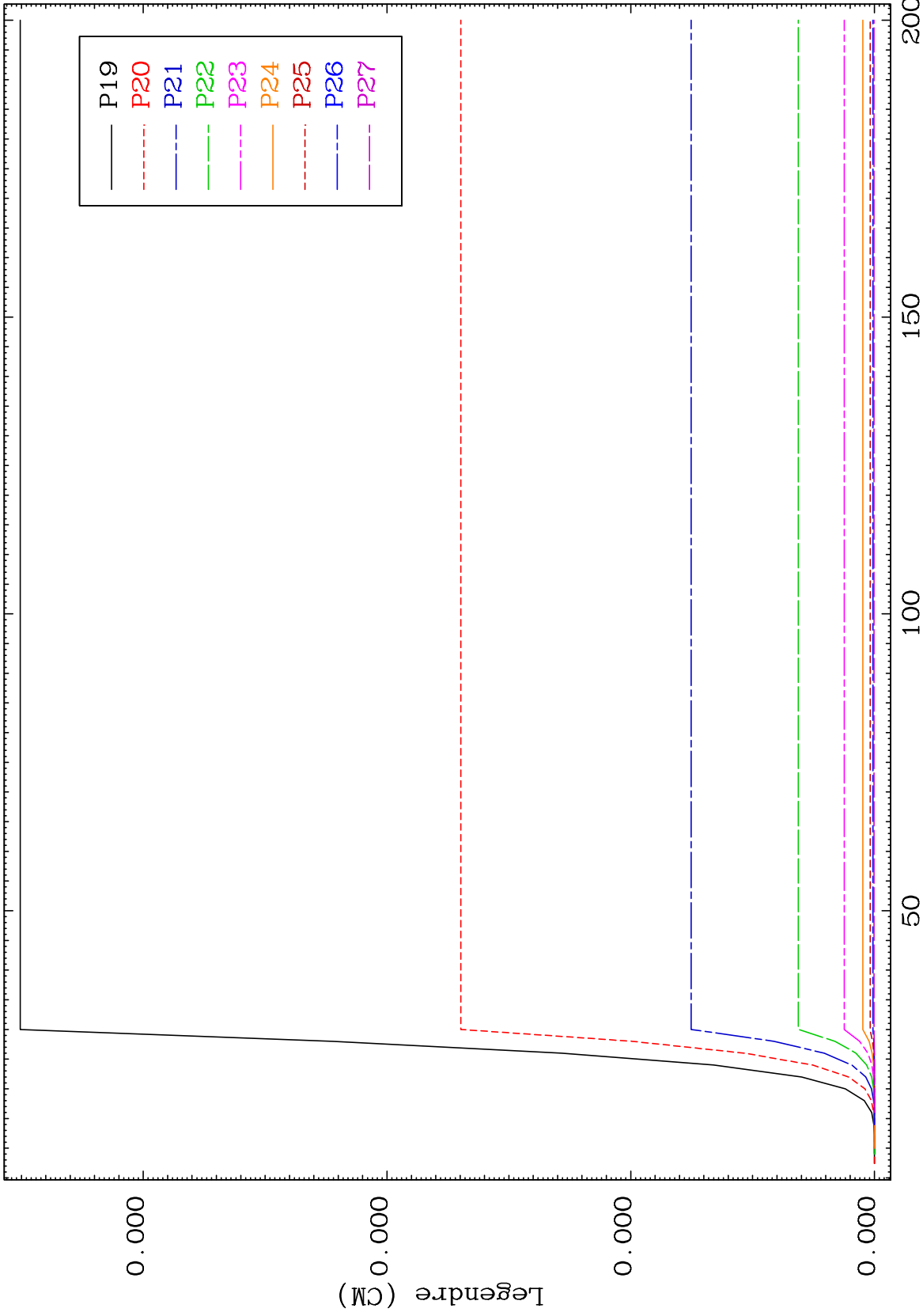
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



28

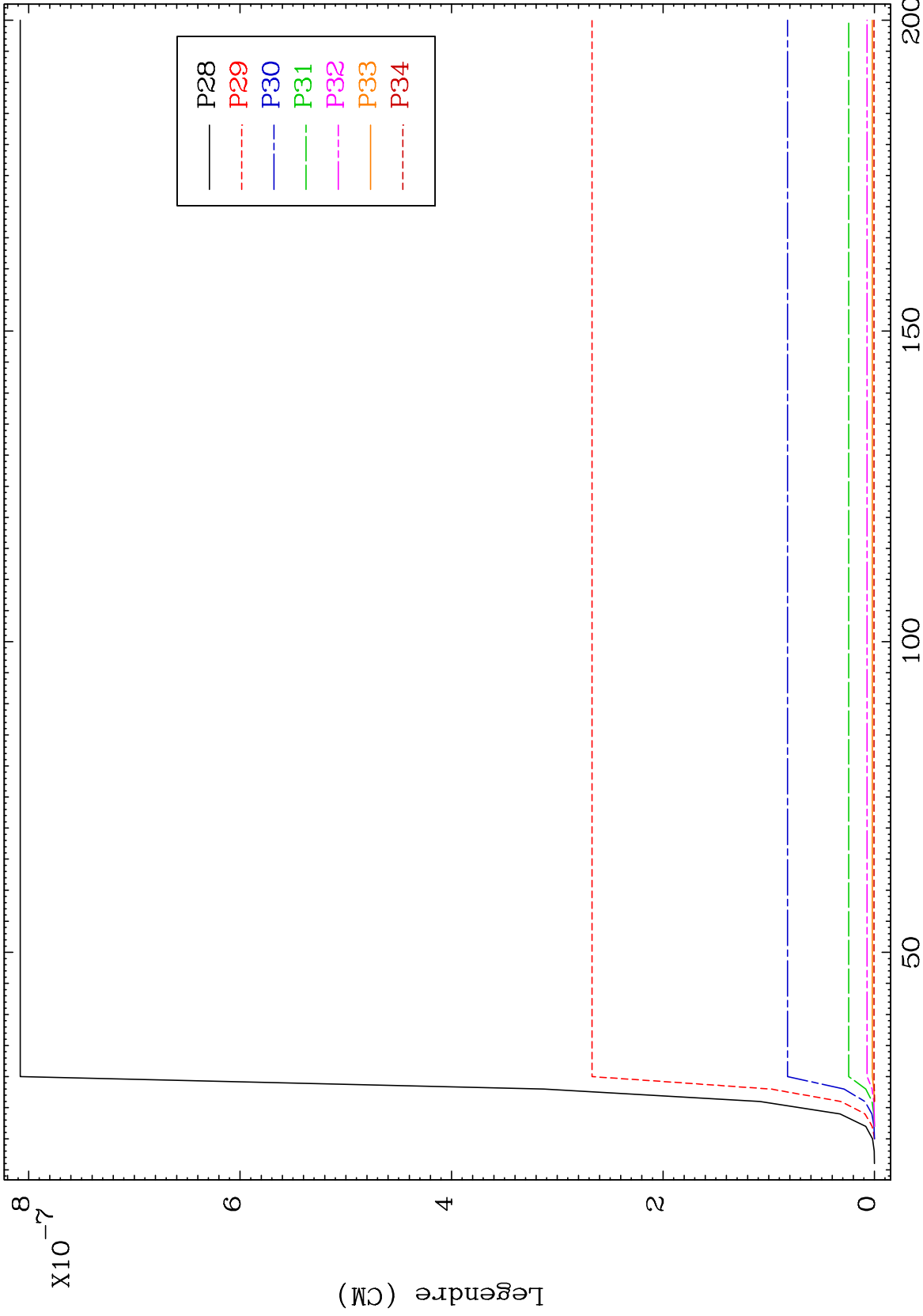
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



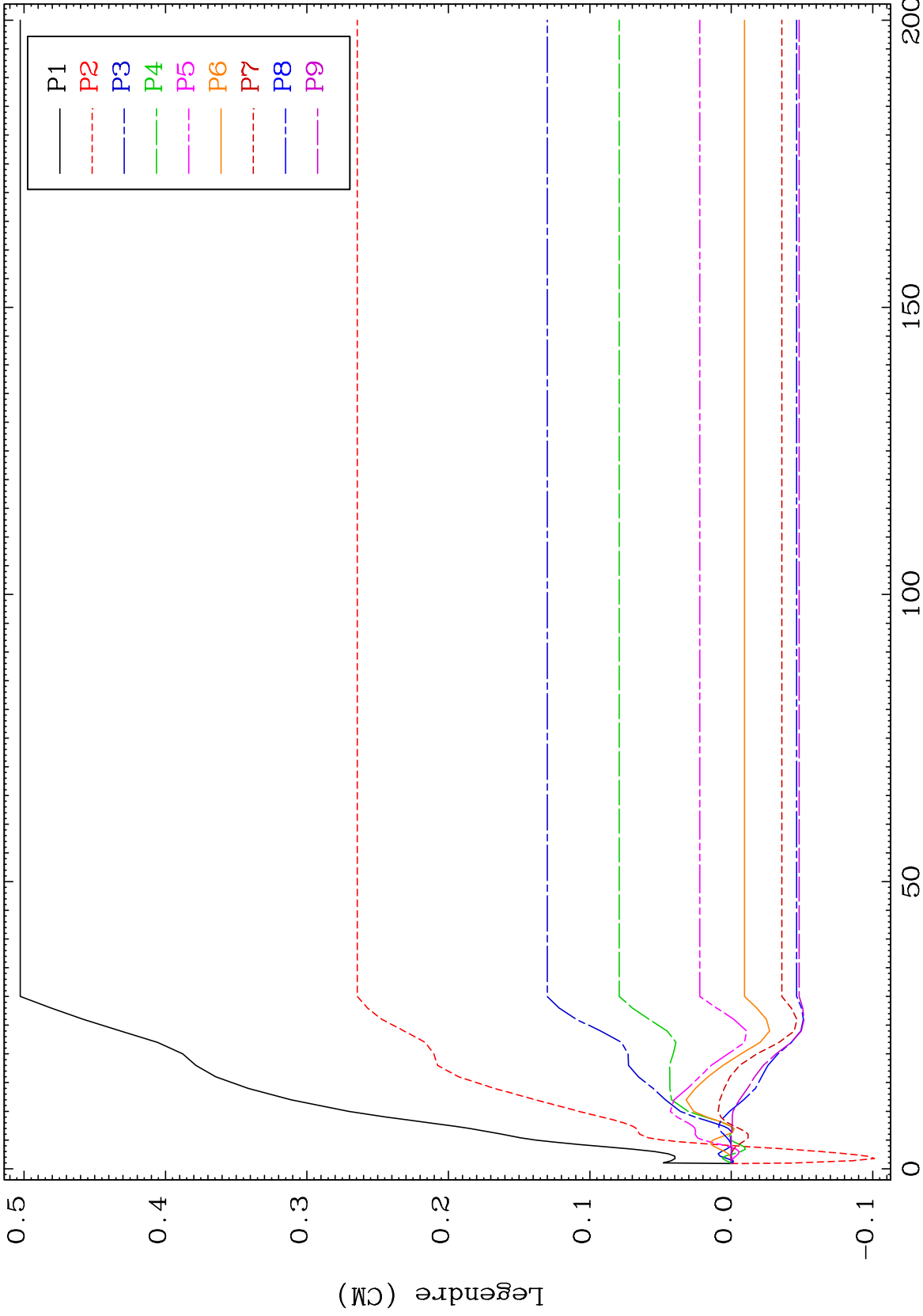
29

43-Tc-91

MAT 4301

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

43-Tc-91



43-Tc-91

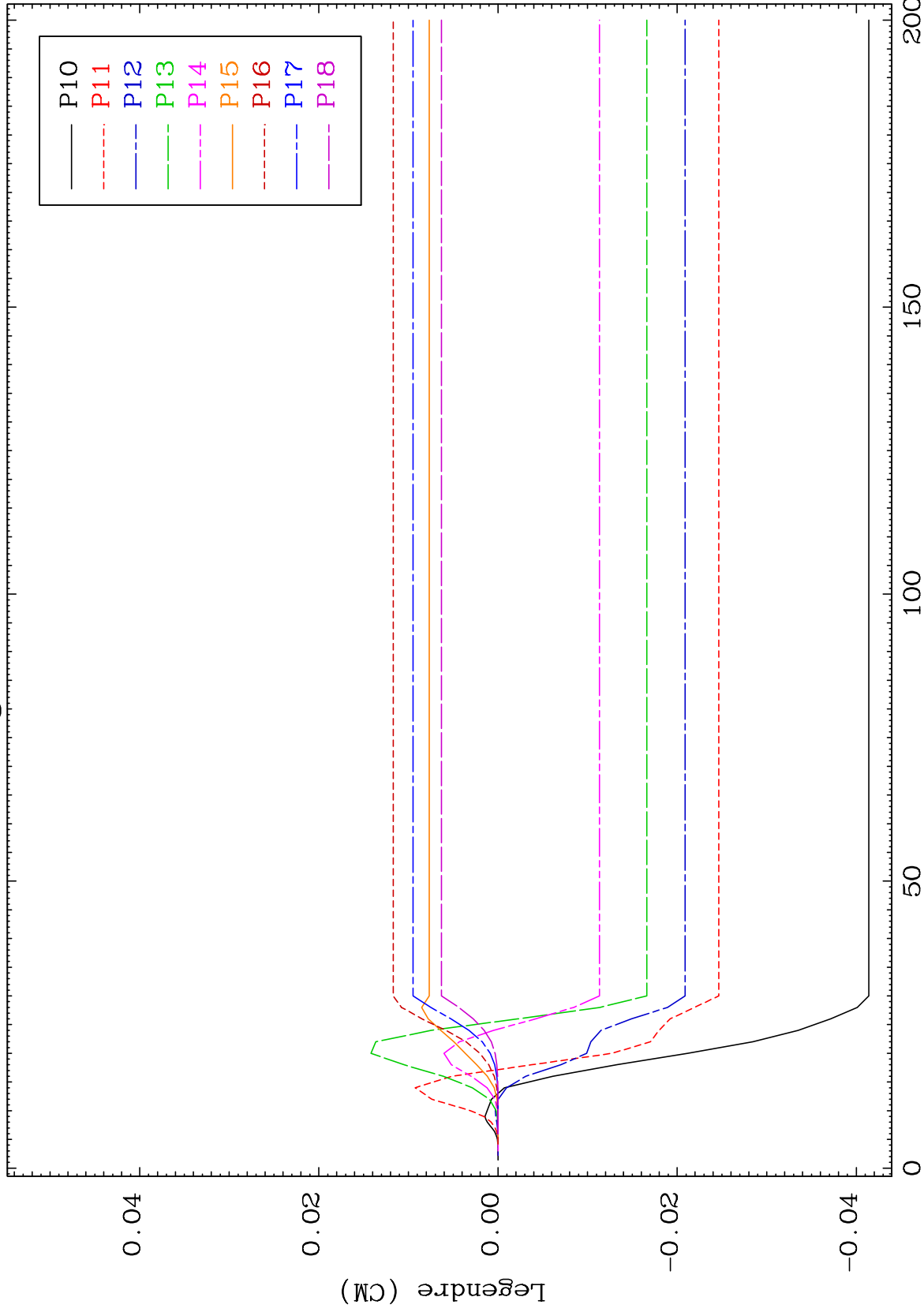
Incident Energy (MeV)

30

MAT 4301

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

43-Tc-91



31

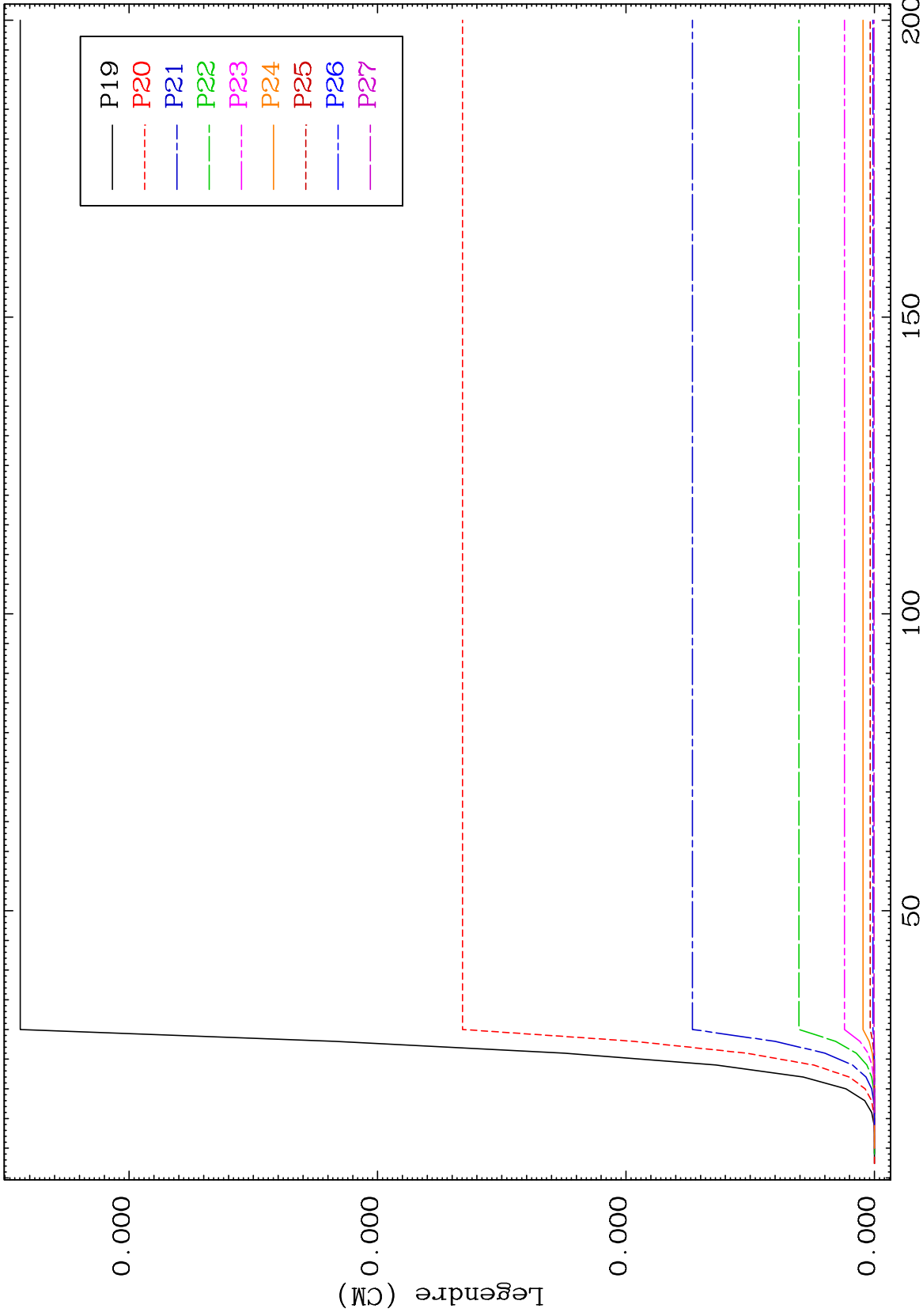
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



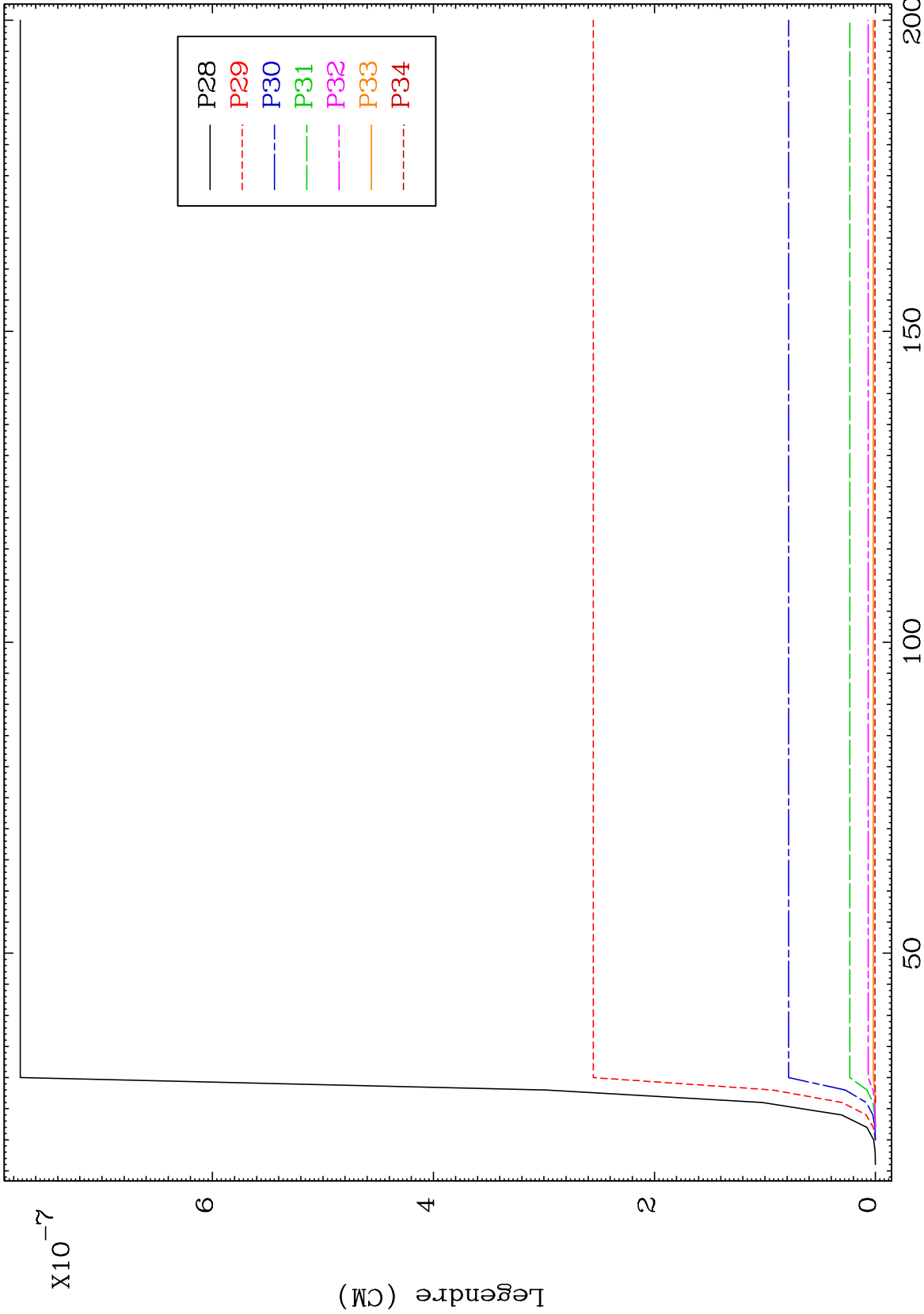
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43-Tc-91

MAT 4301

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

43-Tc-91

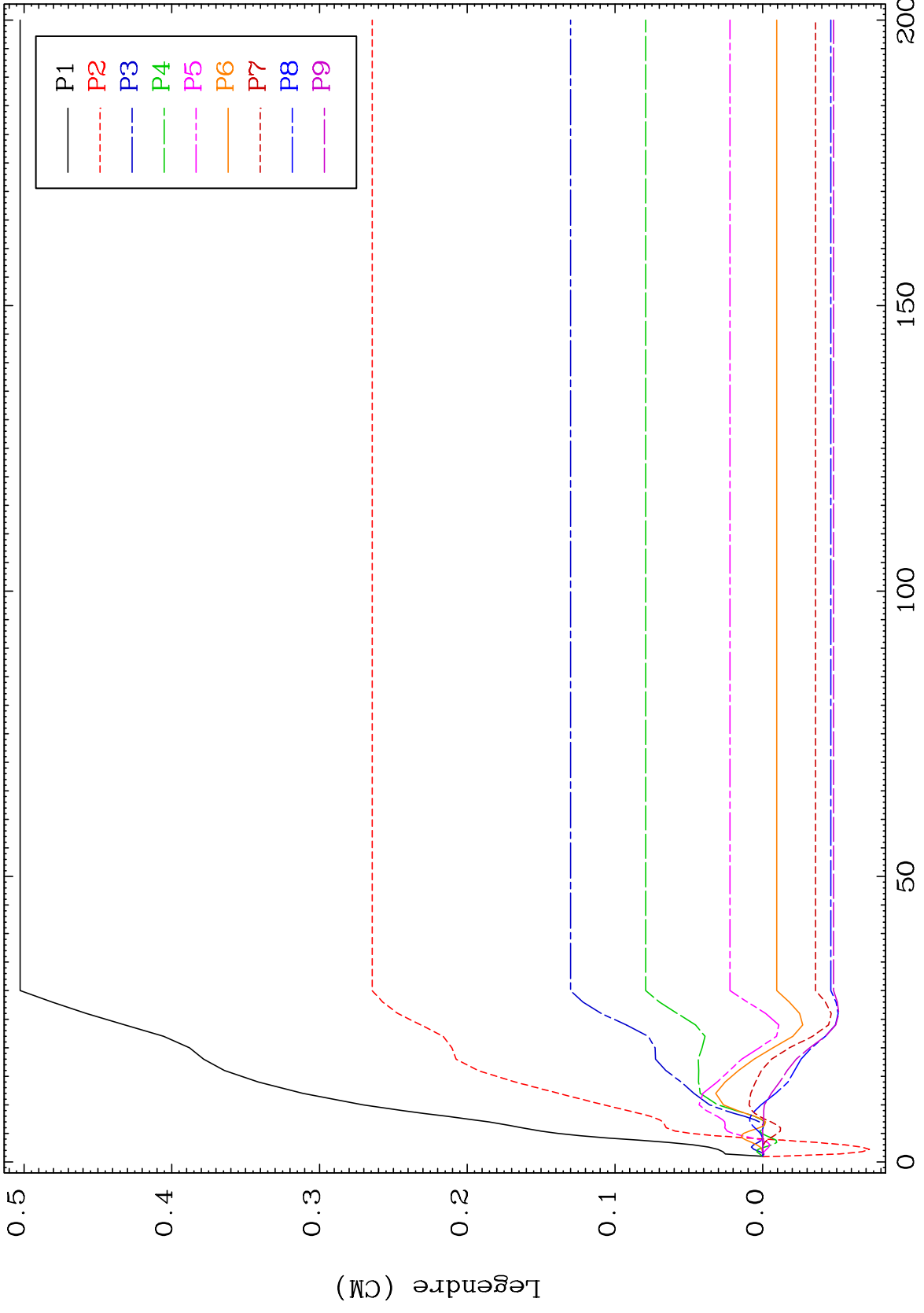


33

Incident Energy (MeV)

43-Tc-91

MAT 4301 MT= 55 (n,n') Level Legendre Coefficients 43-Tc-91

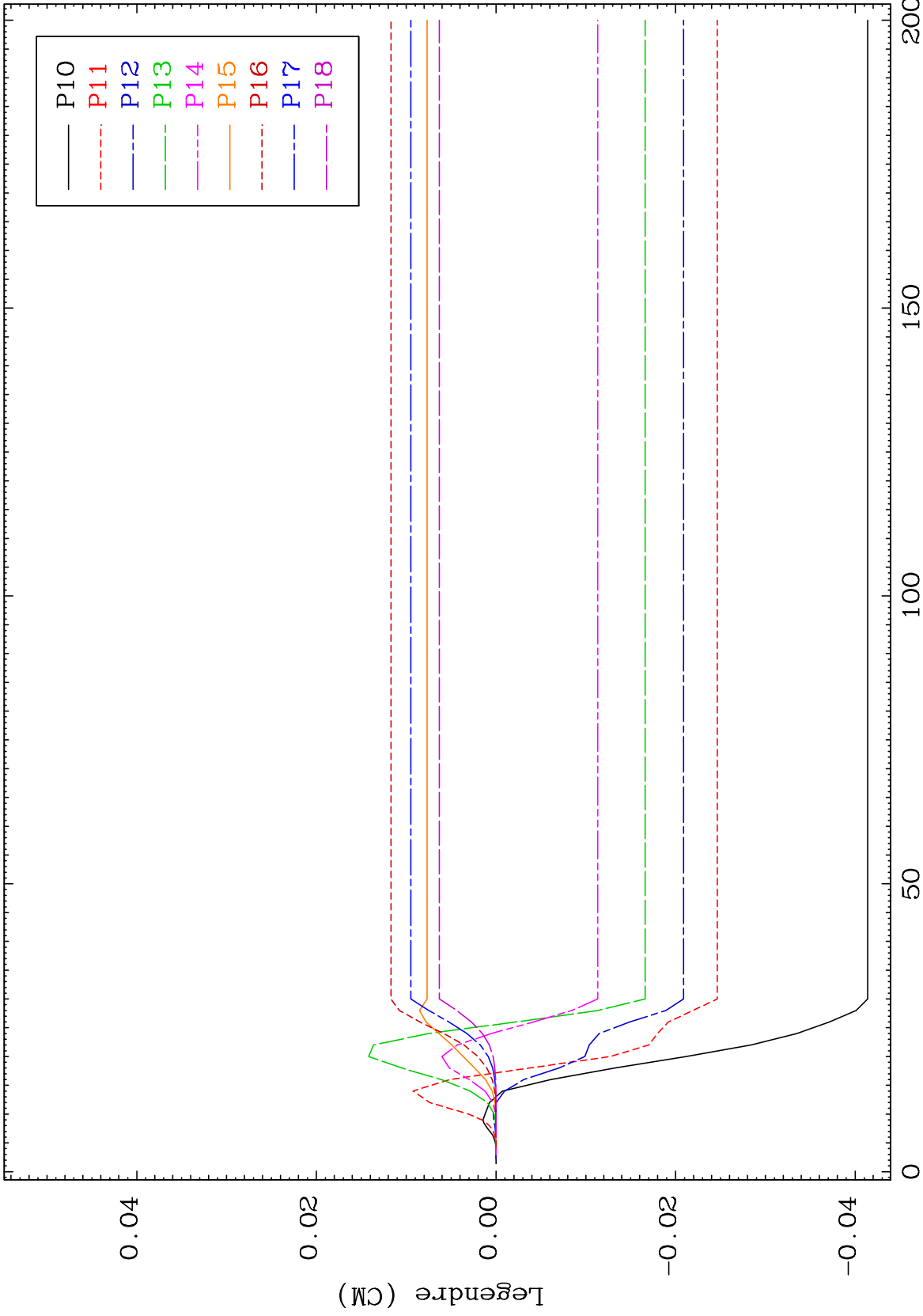


34 Incident Energy (MeV) 43-Tc-91

MAT 4301

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

43-Tc-91



35

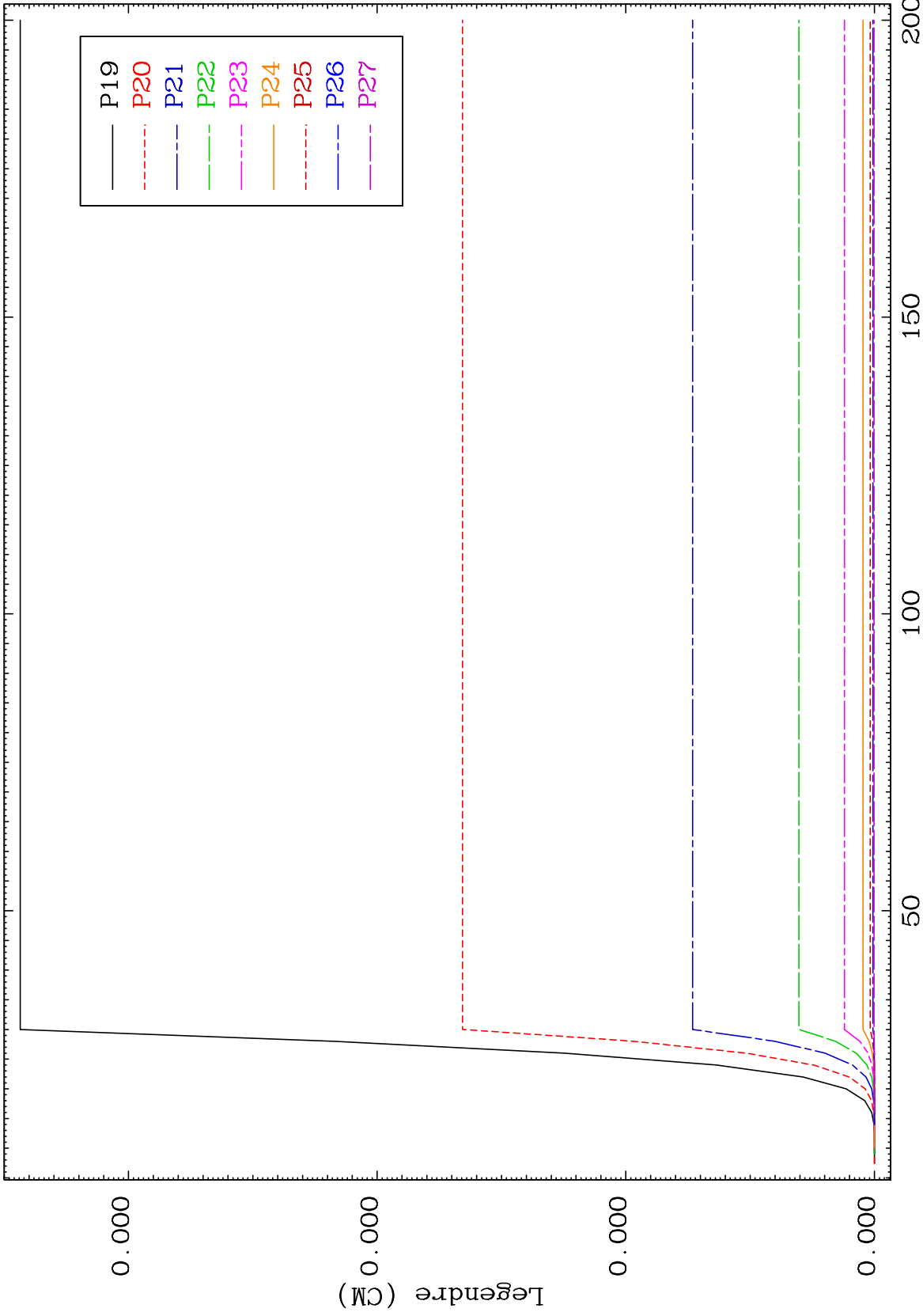
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



36

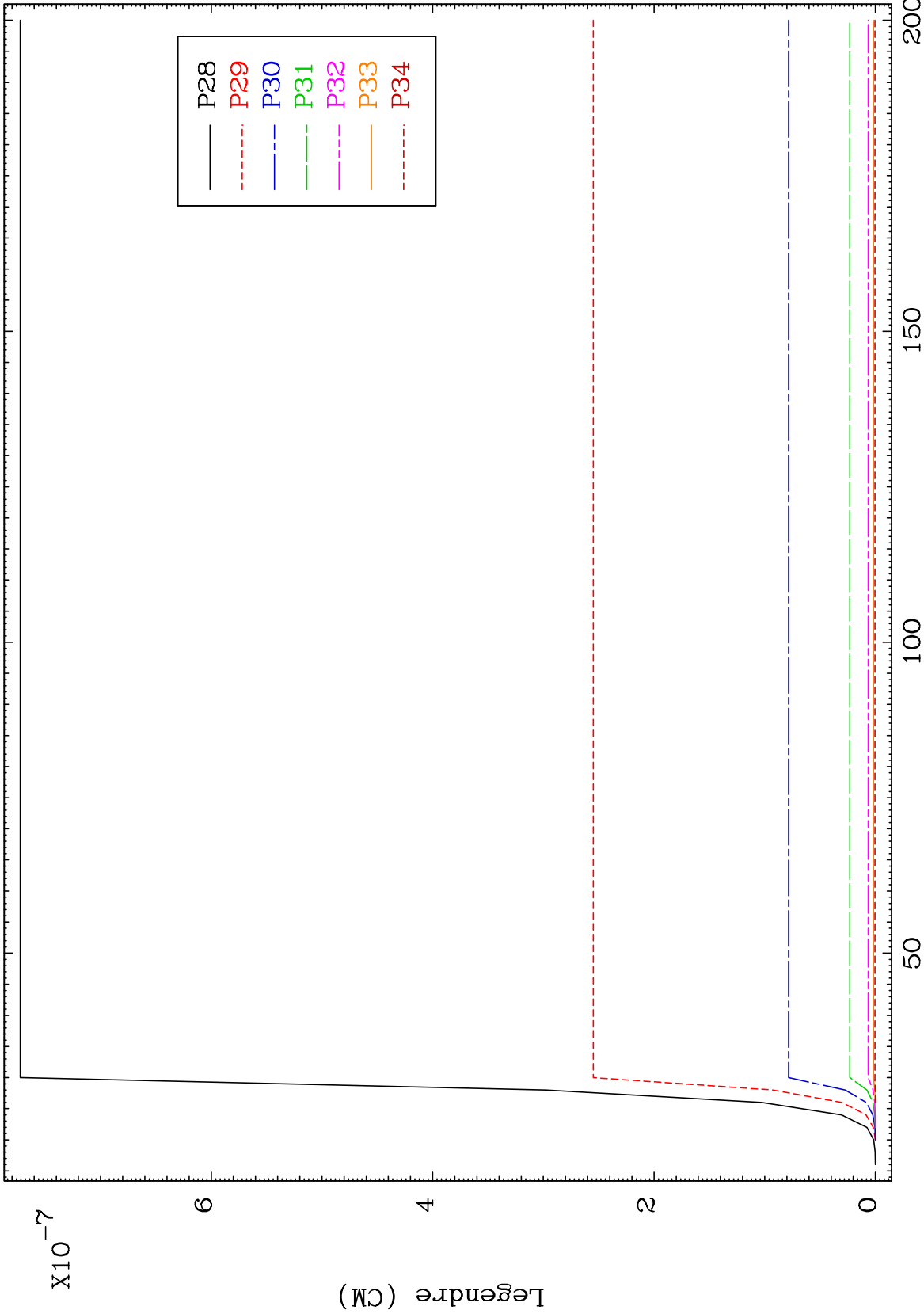
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



37

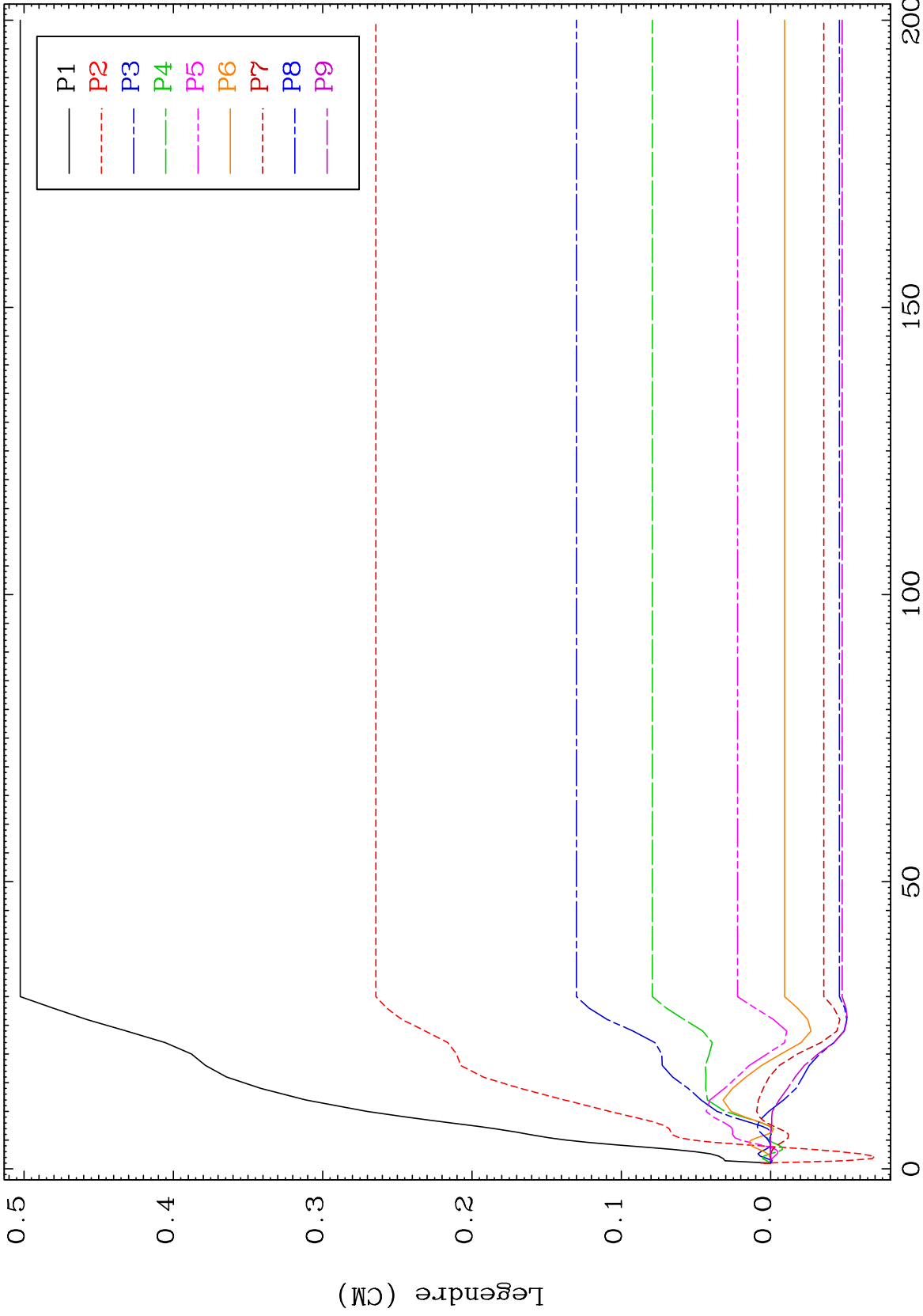
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



38

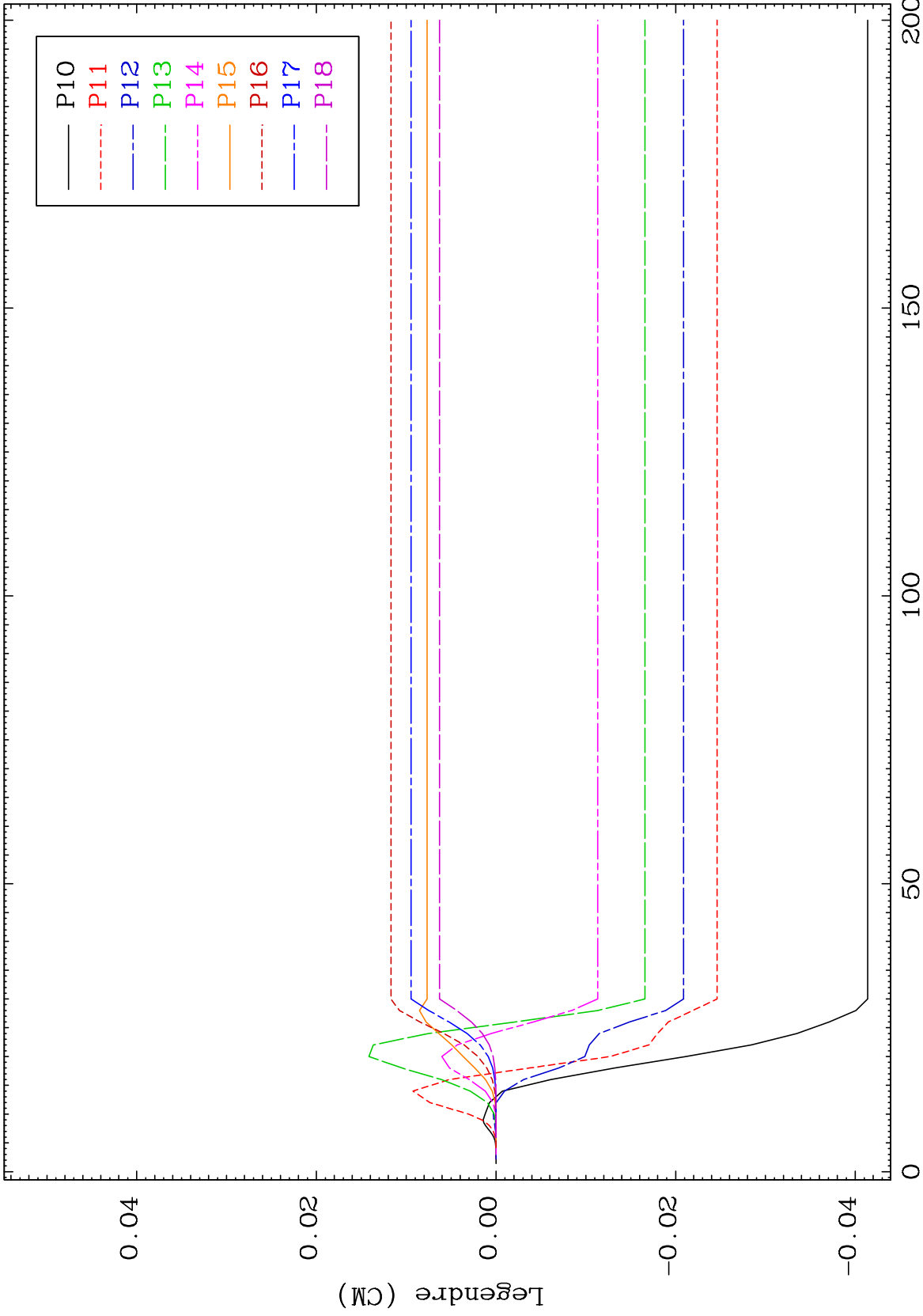
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



39

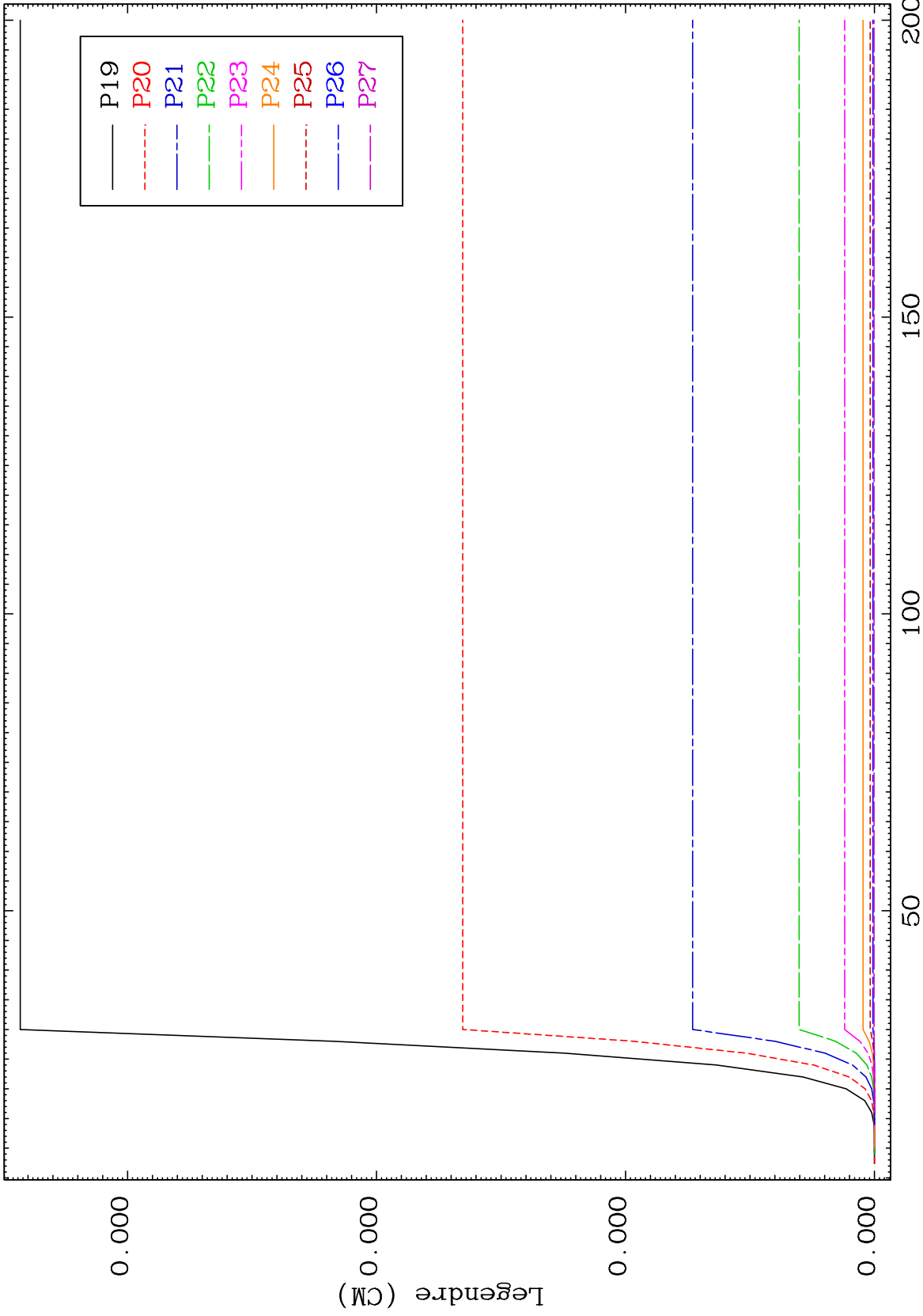
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



40

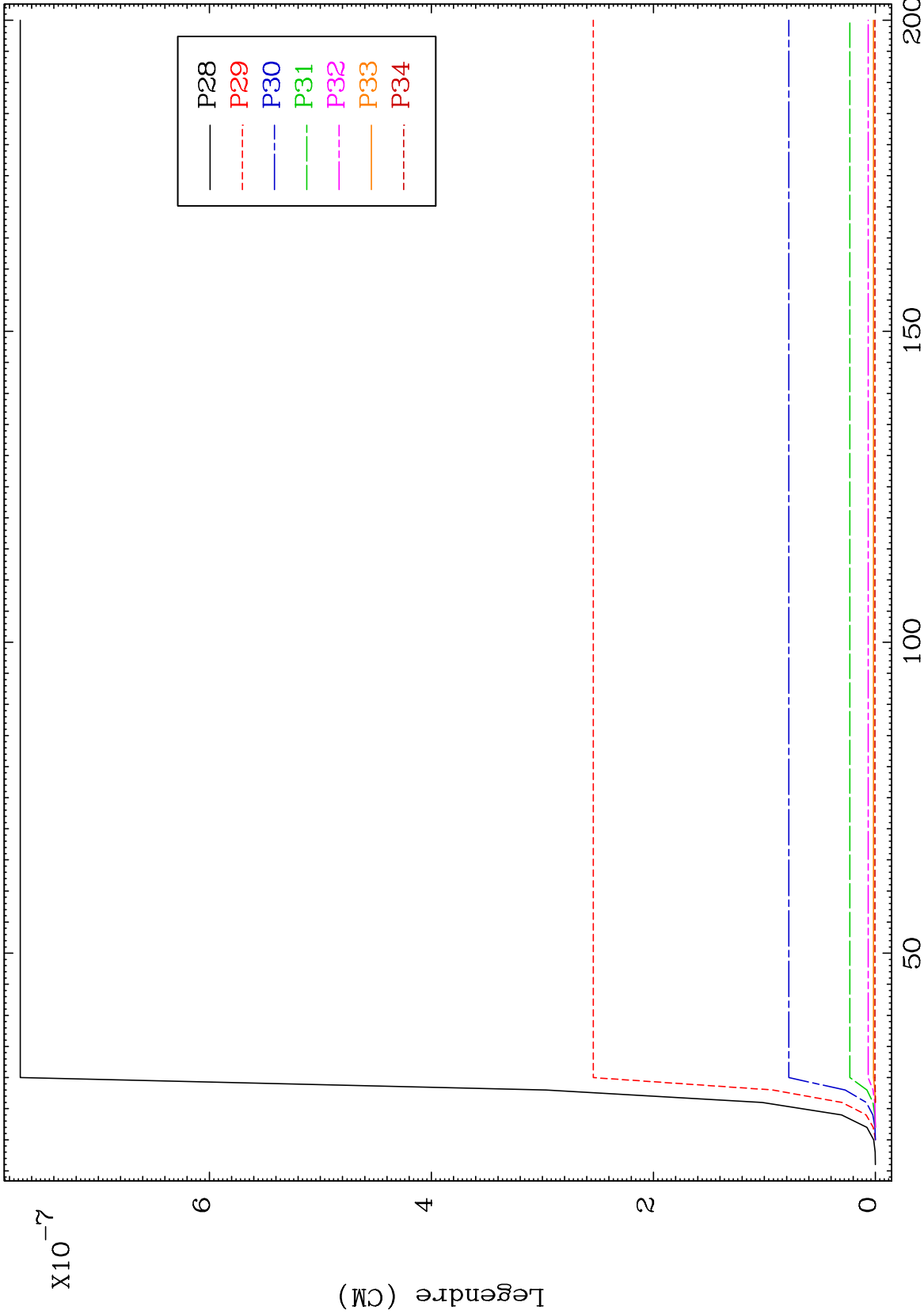
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



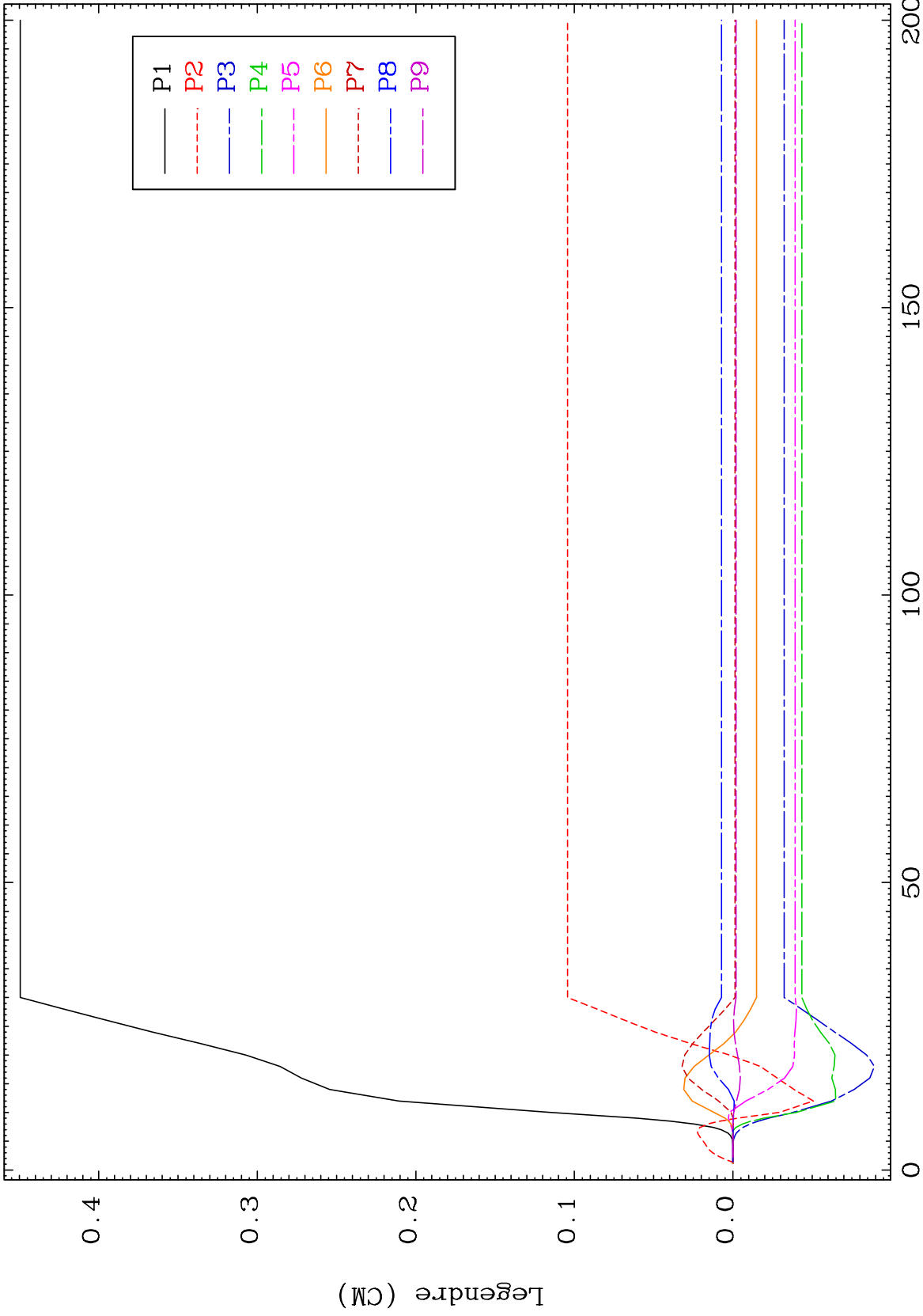
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43-Tc-91

MAT 4301

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

43-Tc-91



42

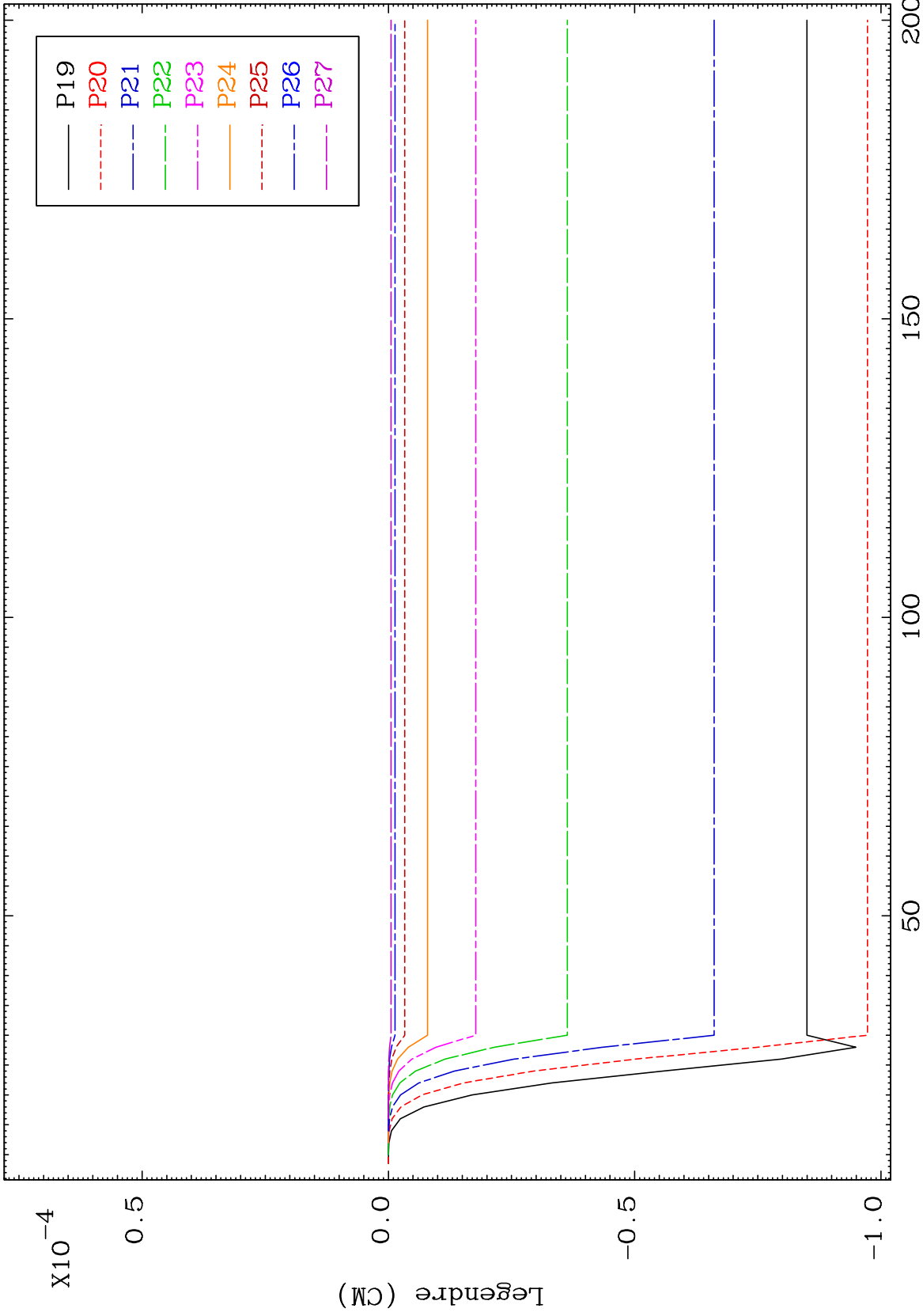
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



44

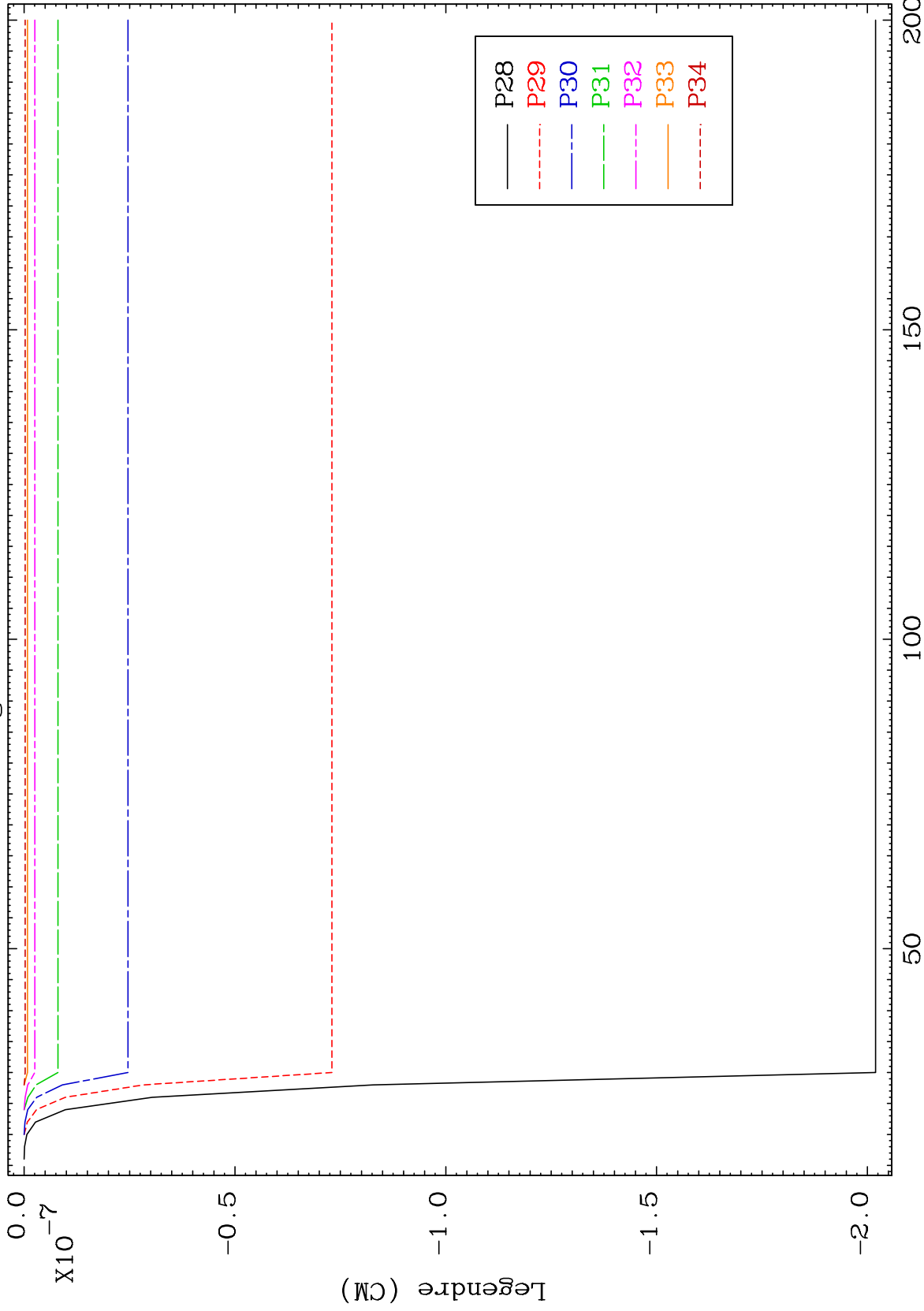
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



43-Tc-91

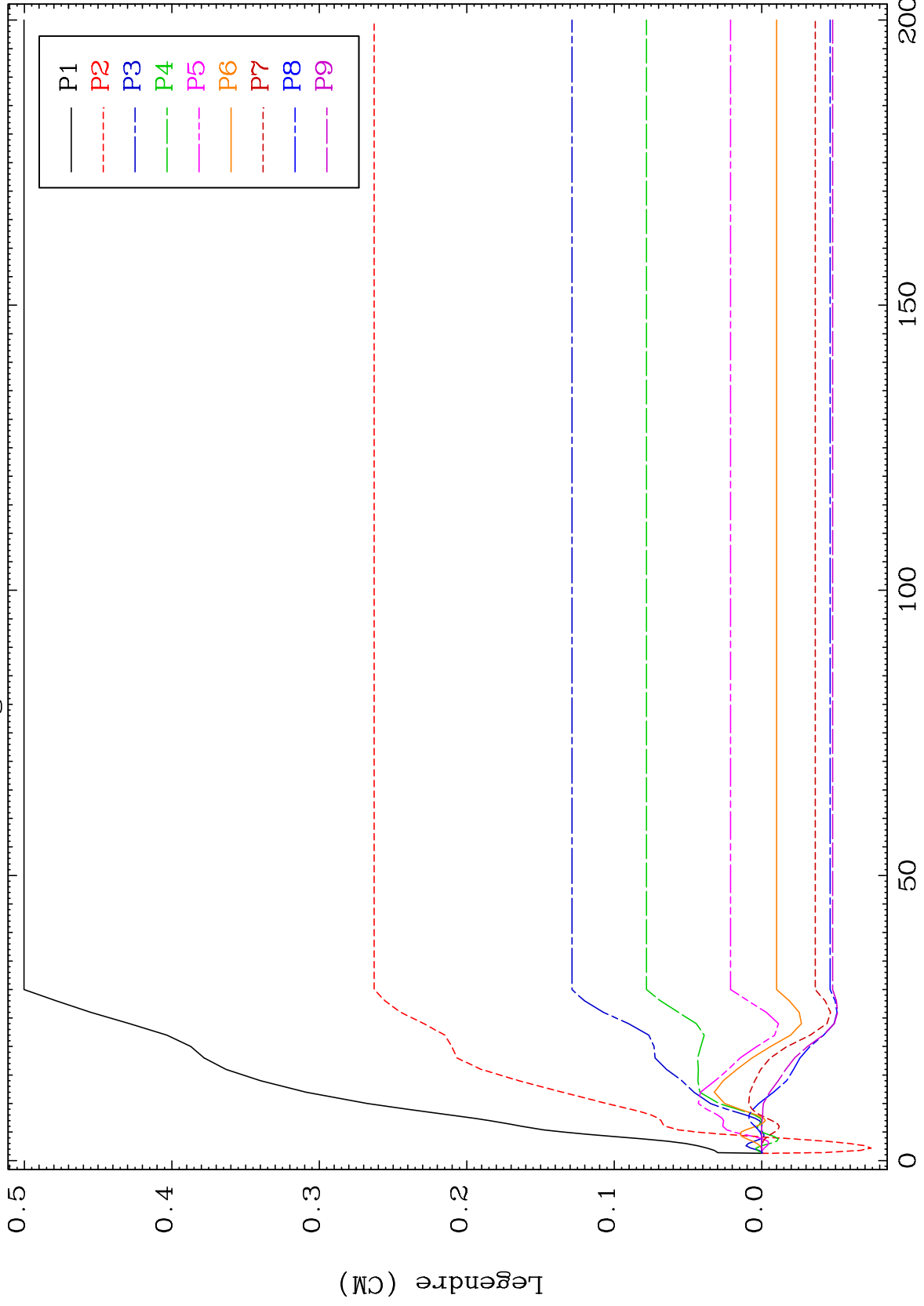
Incident Energy (MeV)

45

MAT 4301

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

43-Tc-91



46

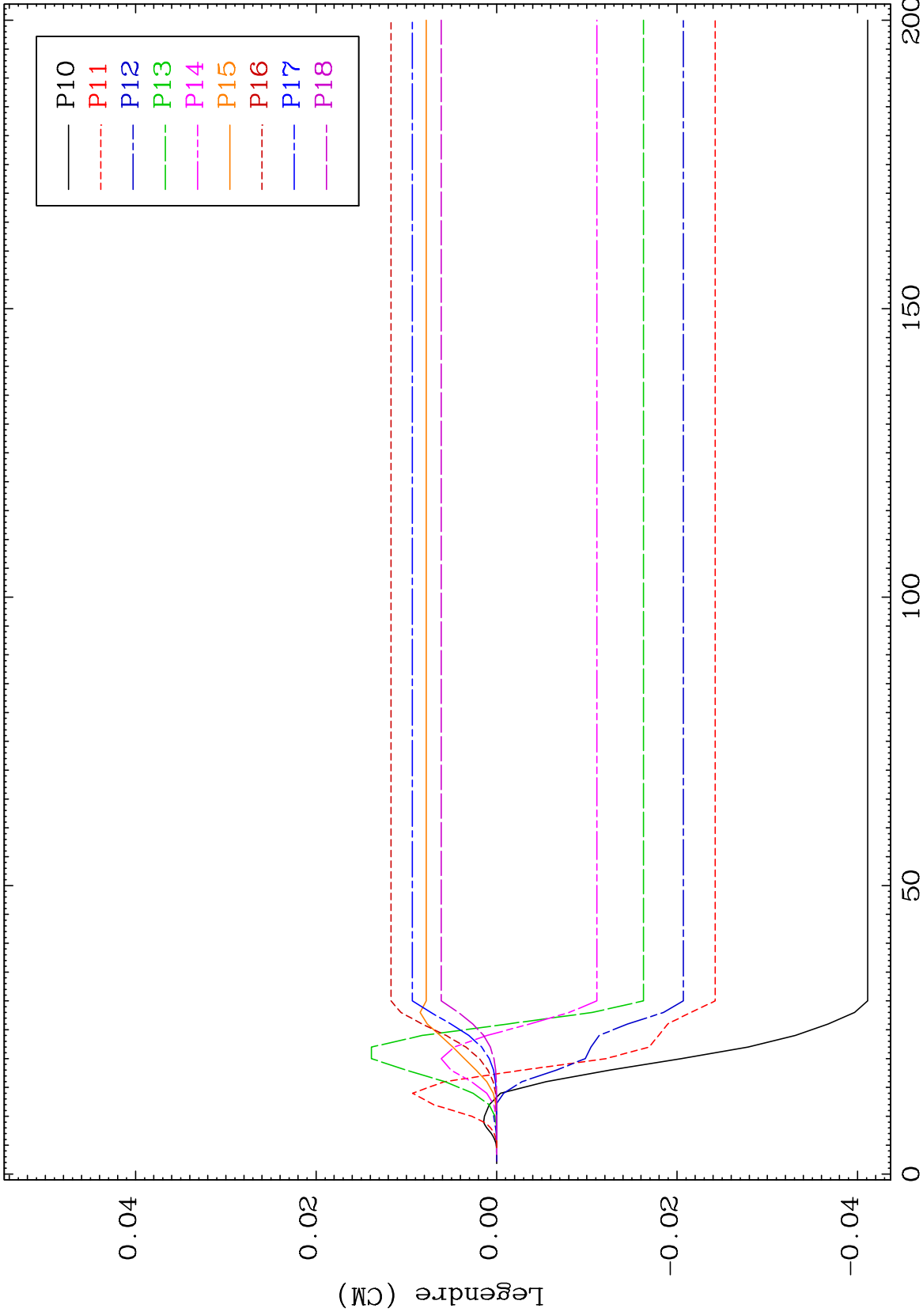
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



47

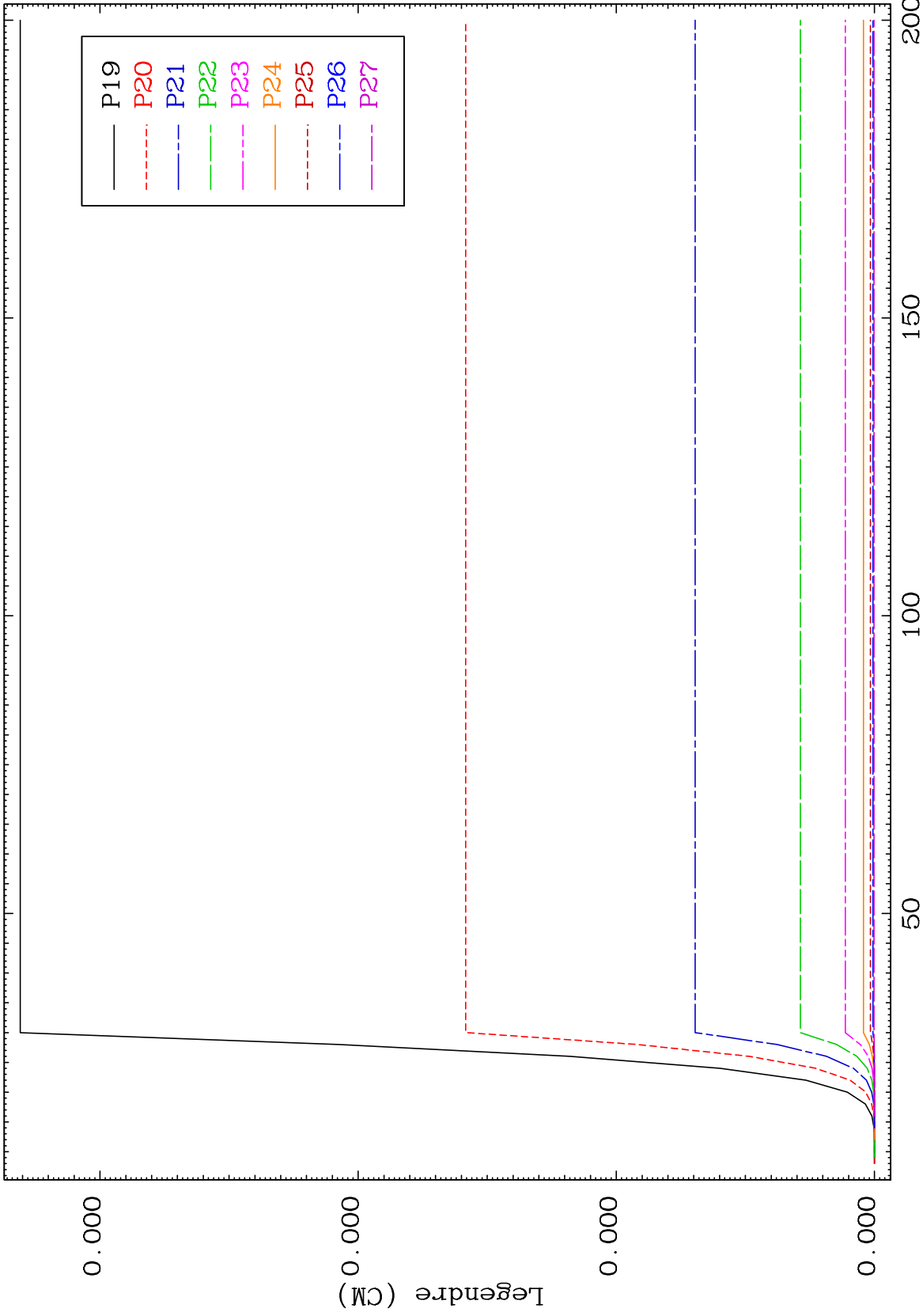
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



48

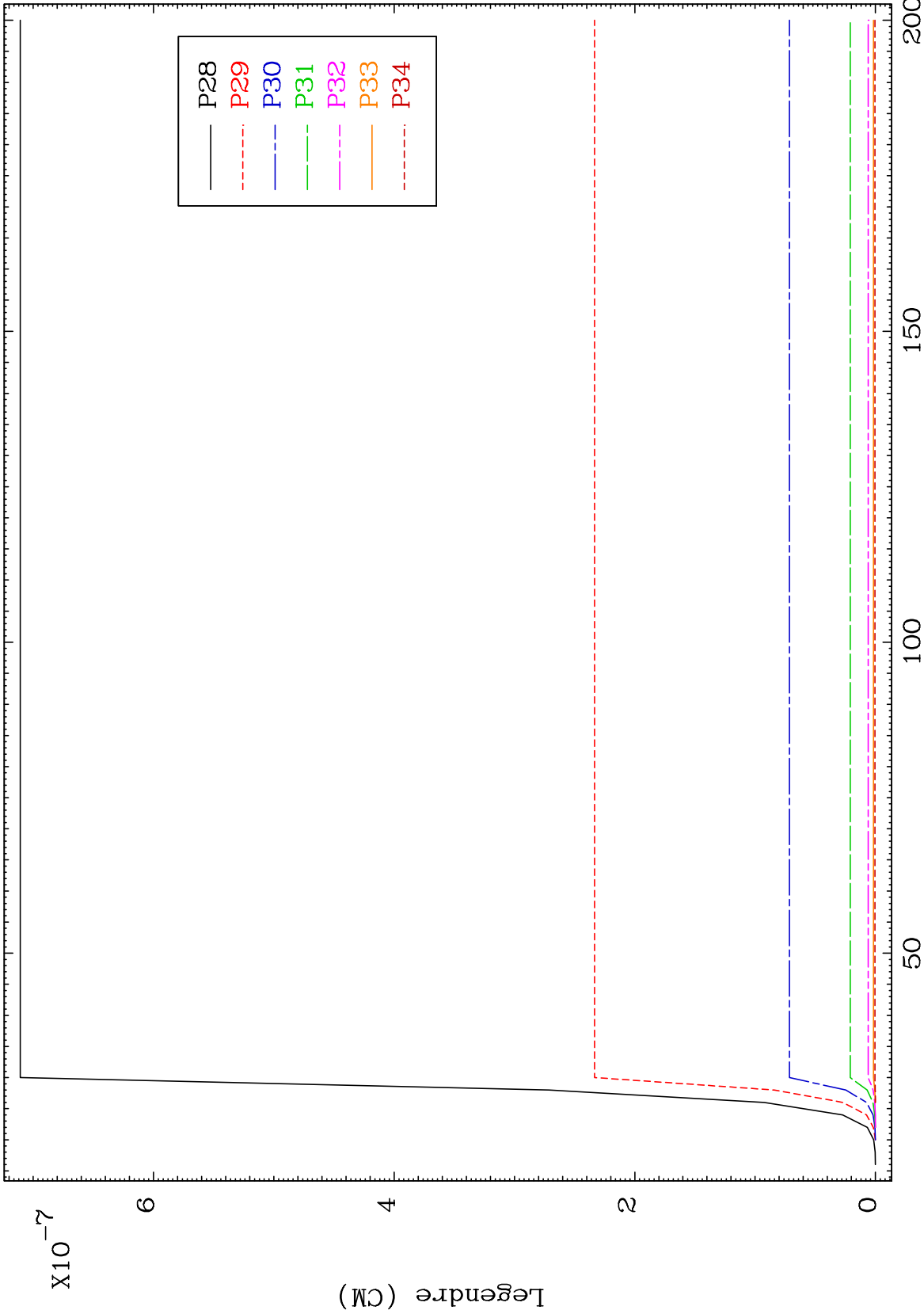
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



49

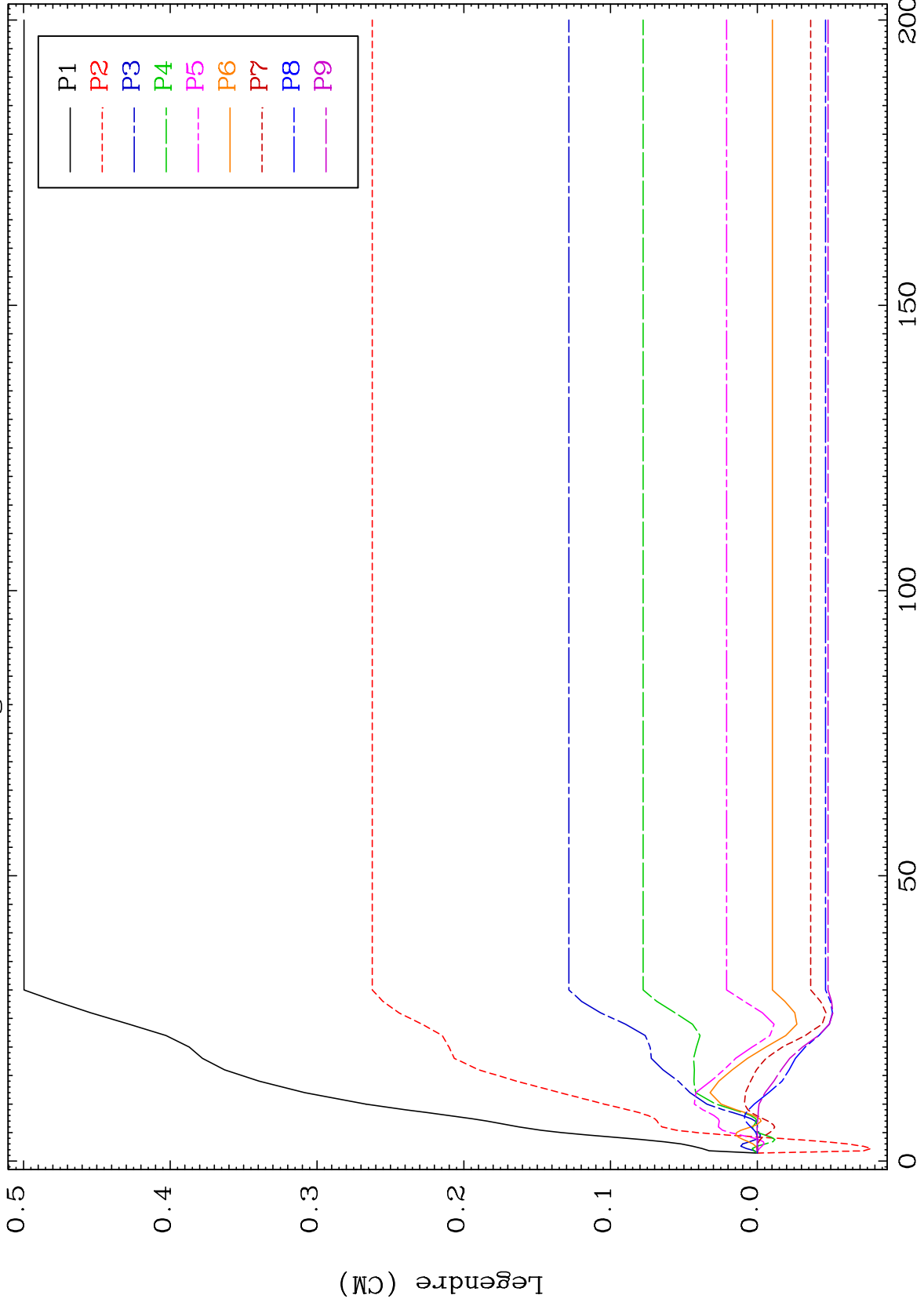
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



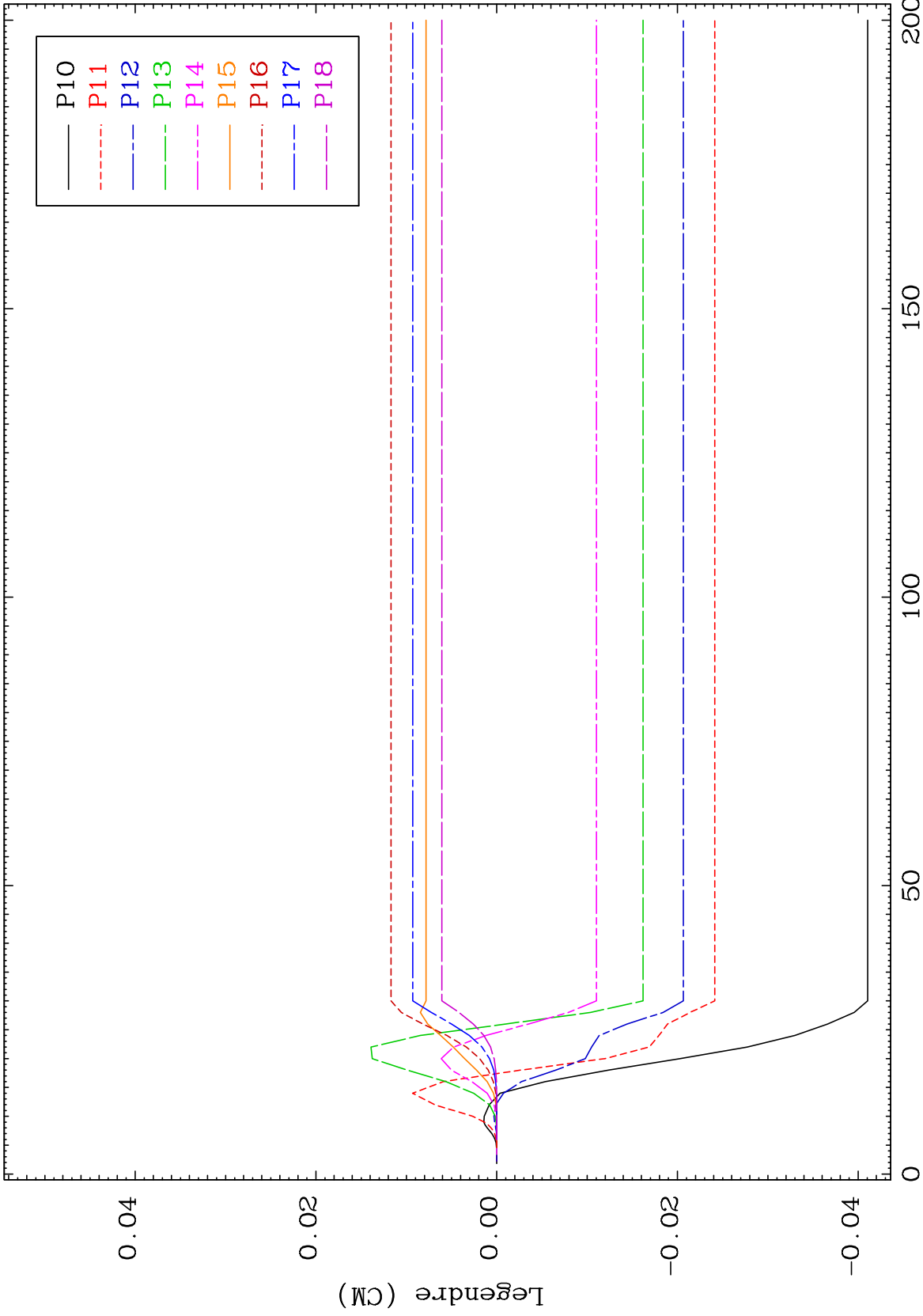
43-Tc-91

Incident Energy (MeV)

MAT 4301

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

43-Tc-91



51

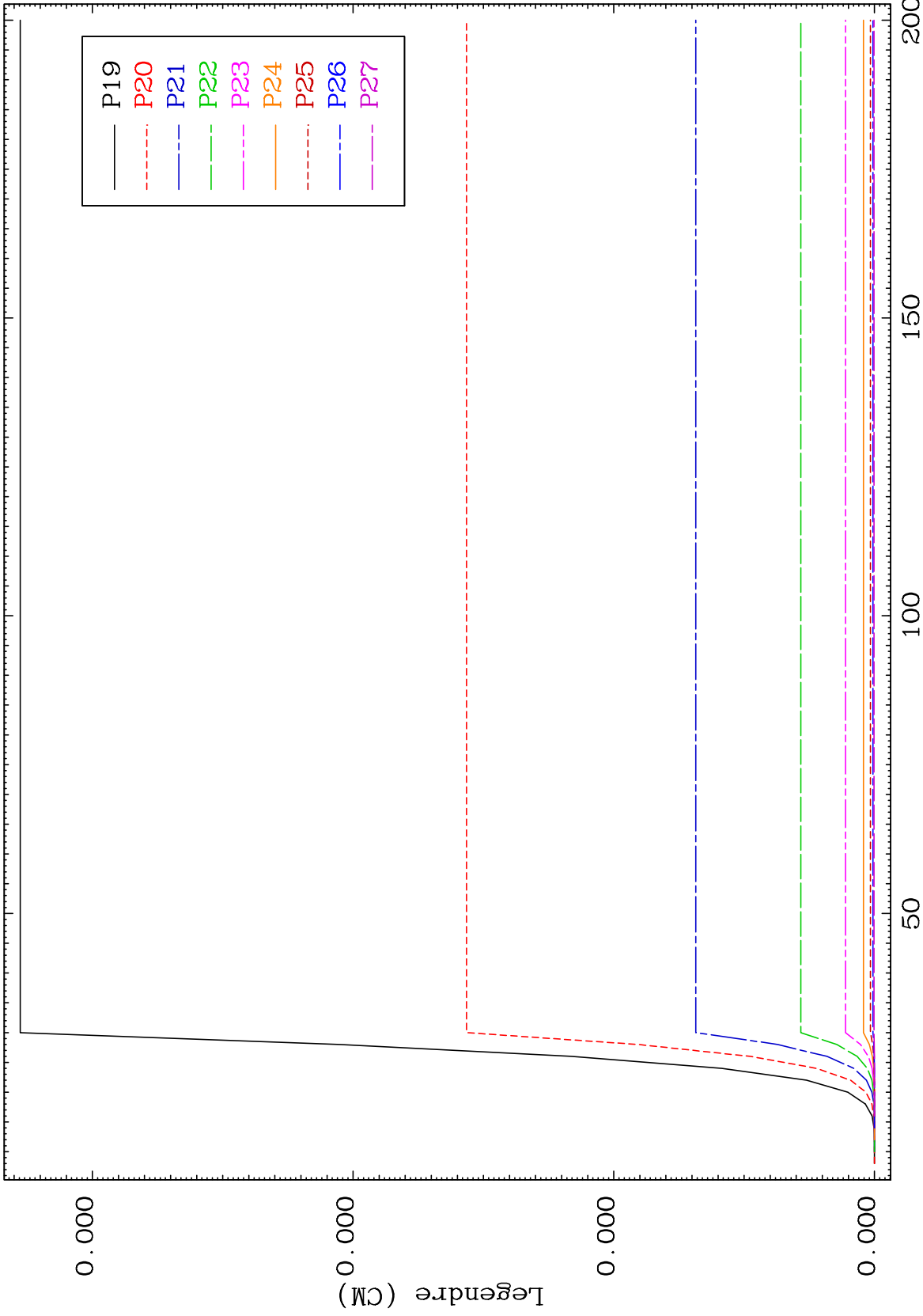
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



52

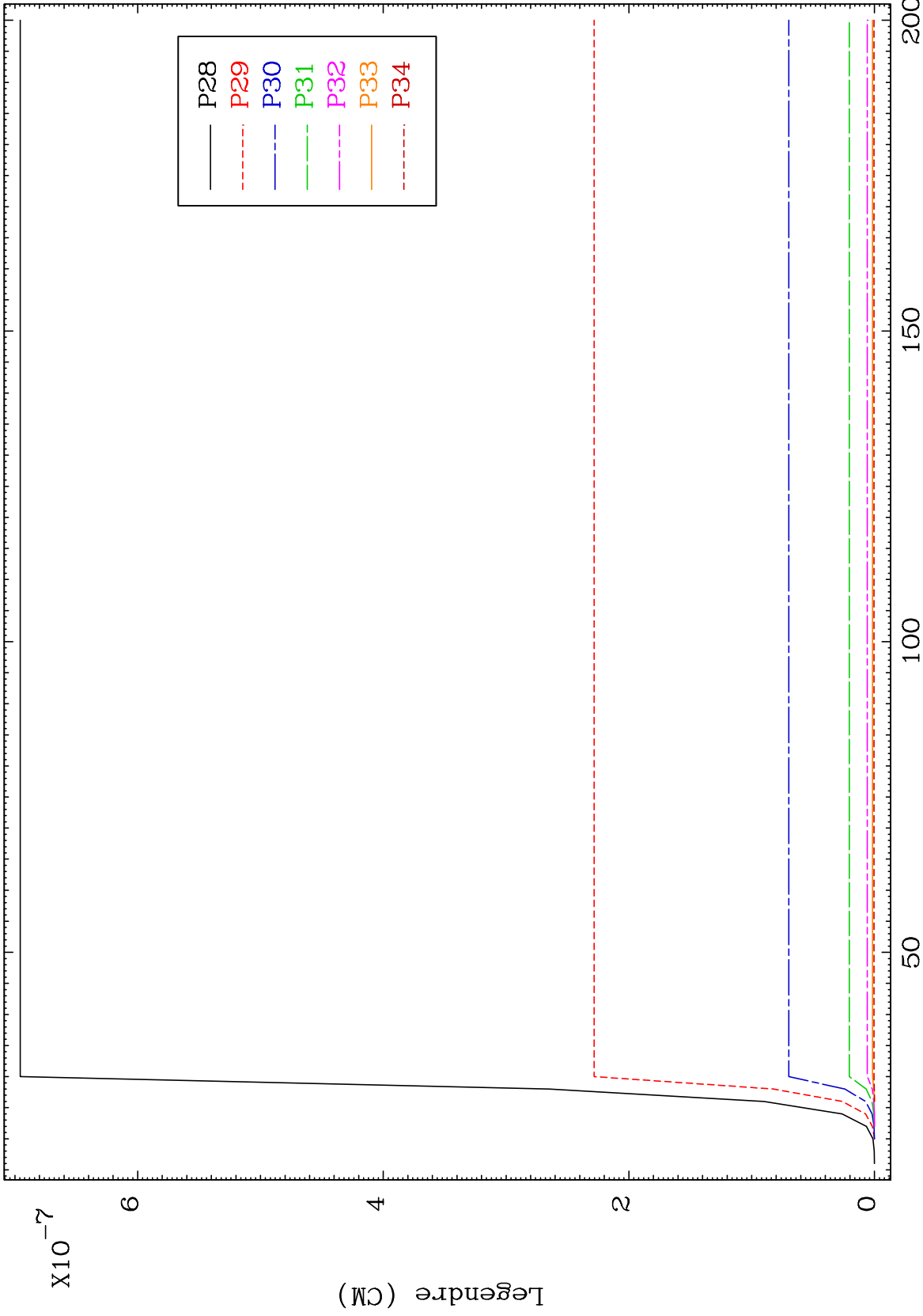
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



53

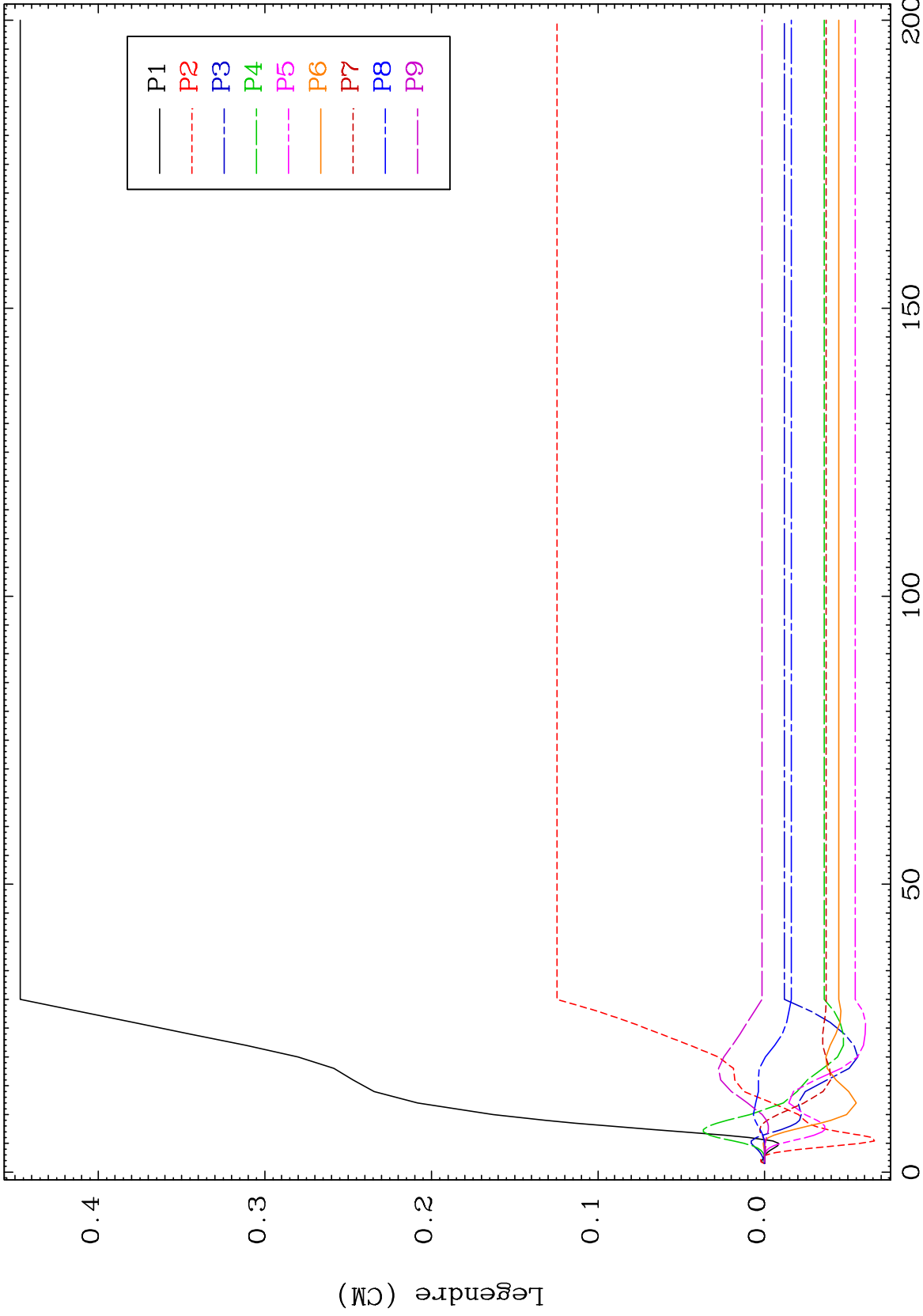
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



54

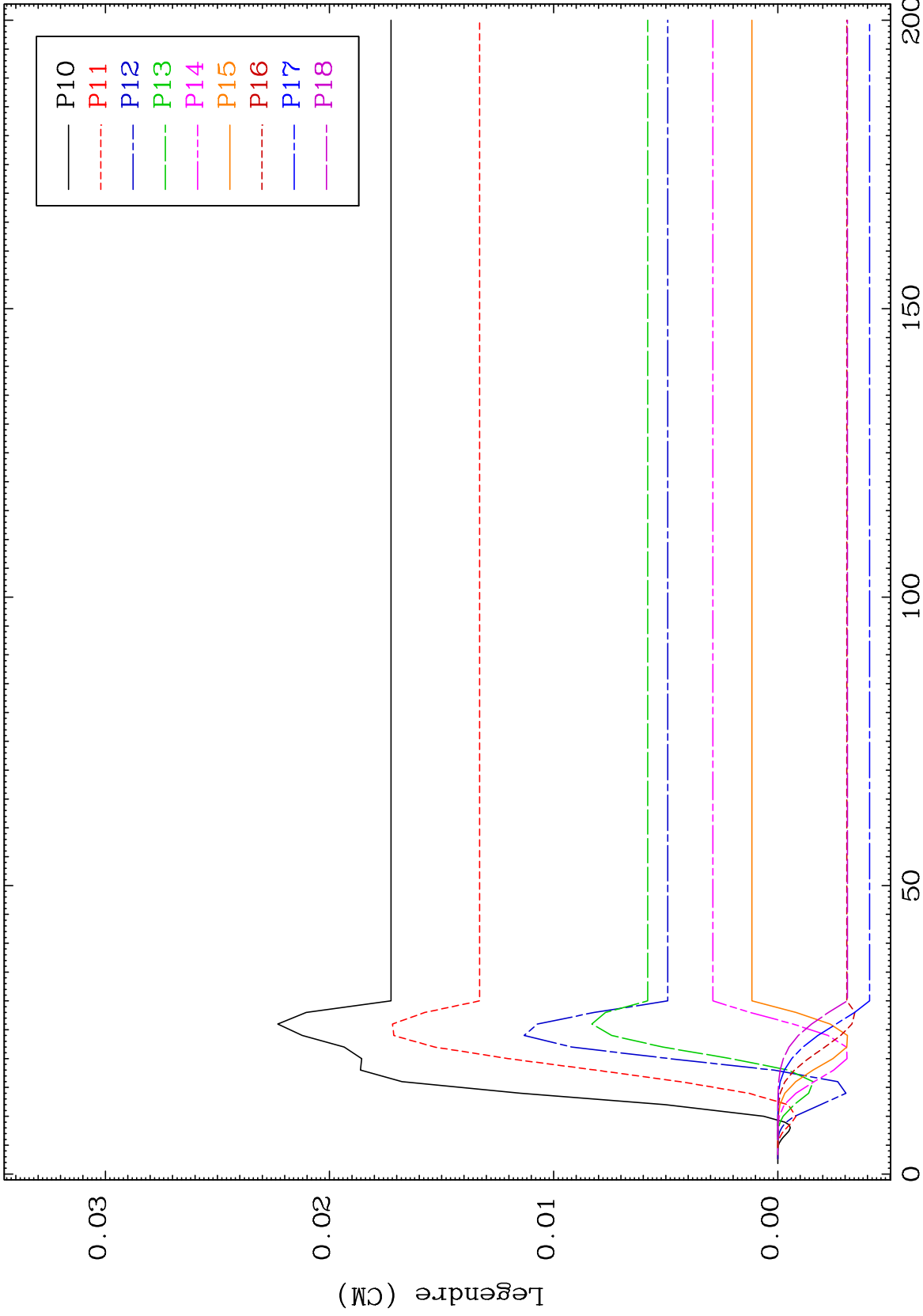
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



55

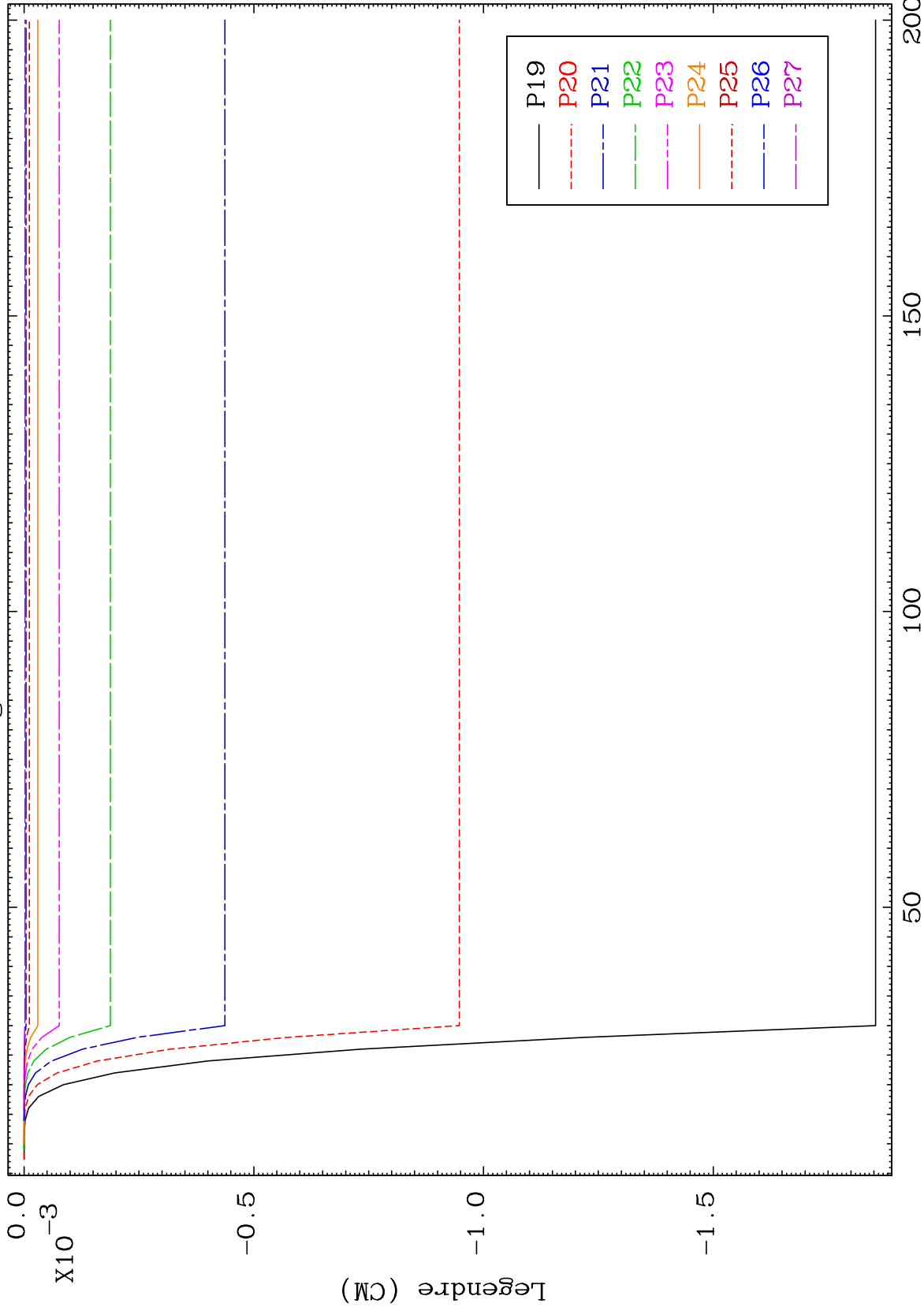
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91

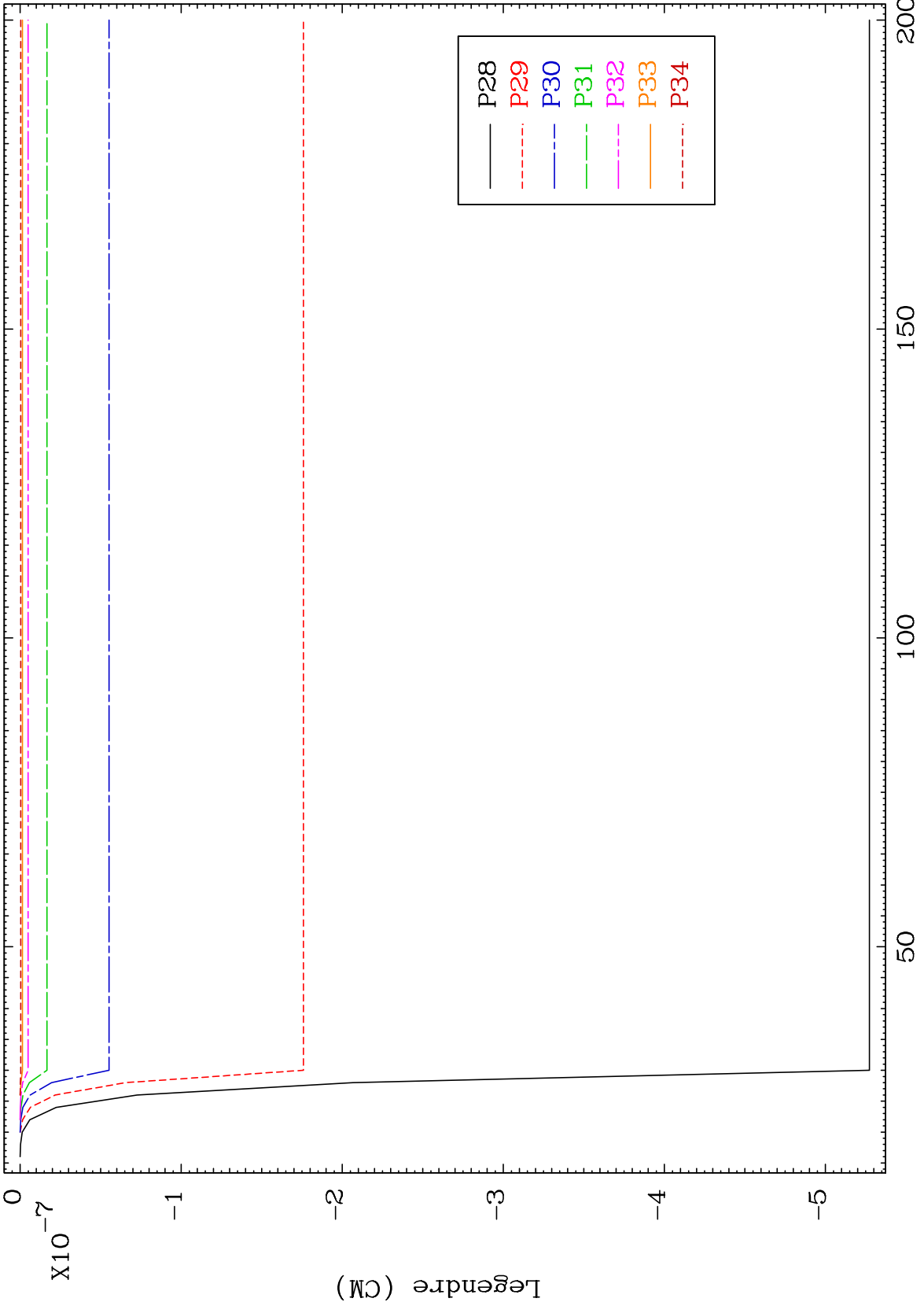


56

Incident Energy (MeV)

43-Tc-91

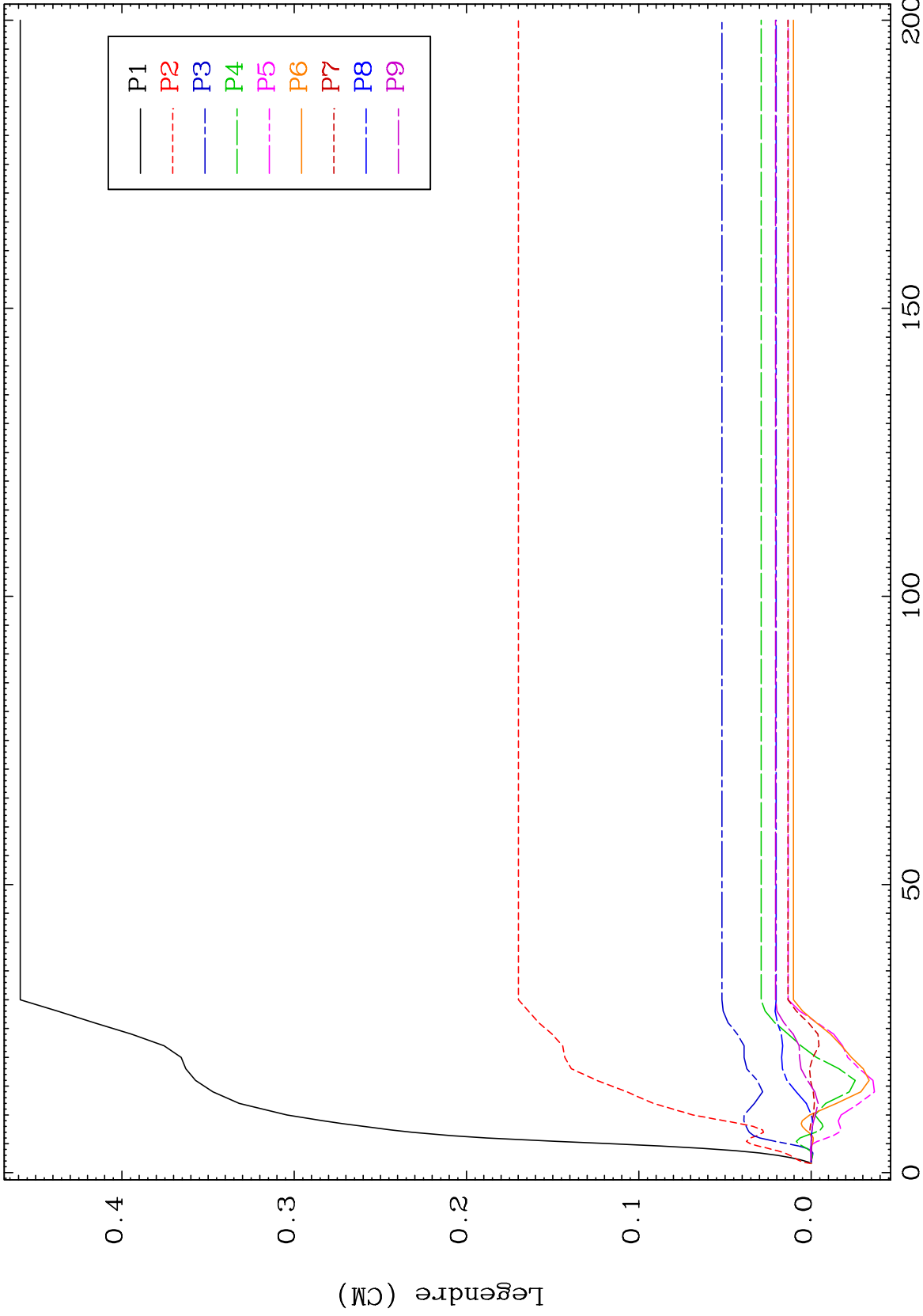
MAT 4301 MT= 60 (n,n') Level Legendre Coefficients 43-Tc-91



MAT 4301

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

43-Tc-91



58

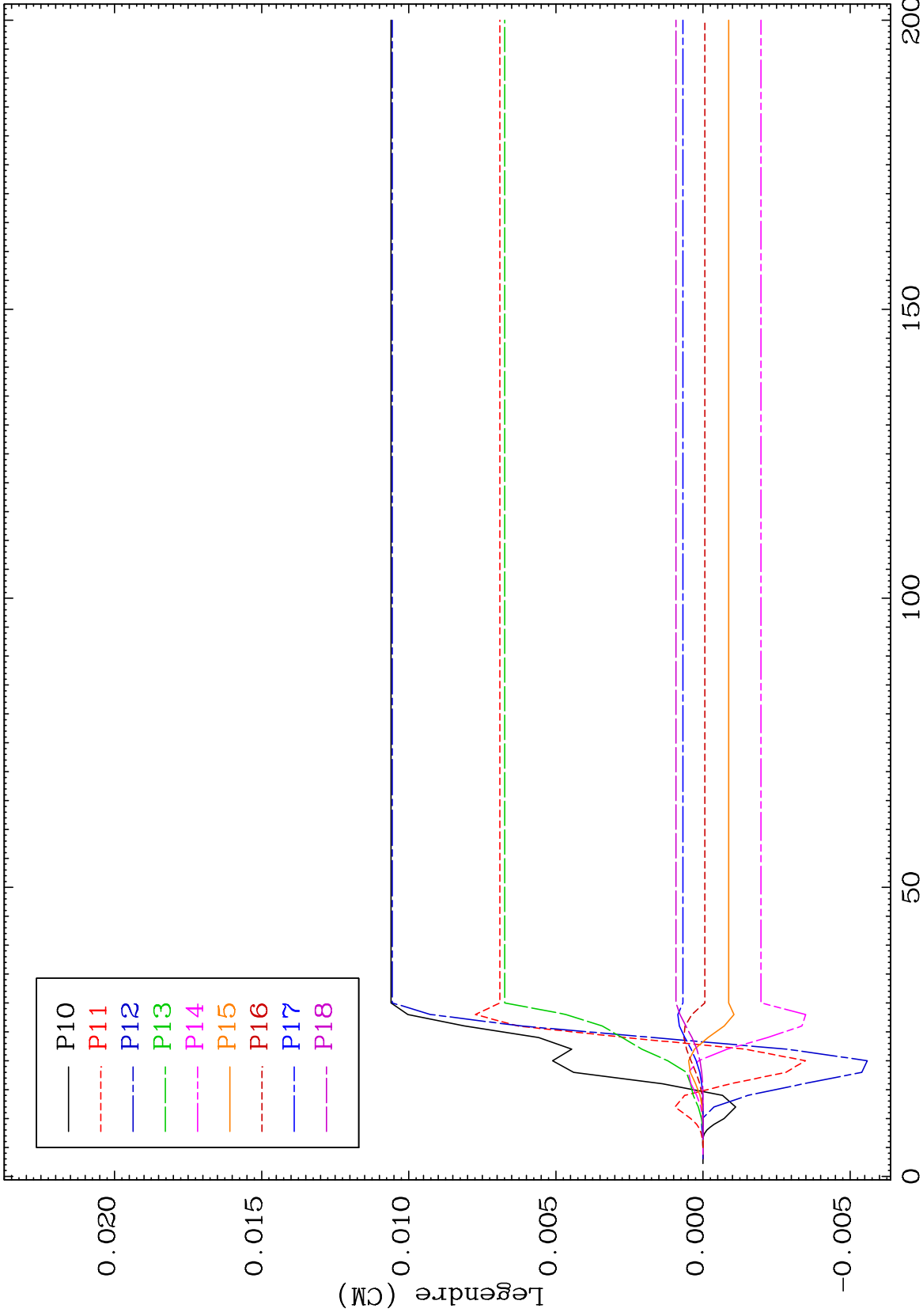
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



59

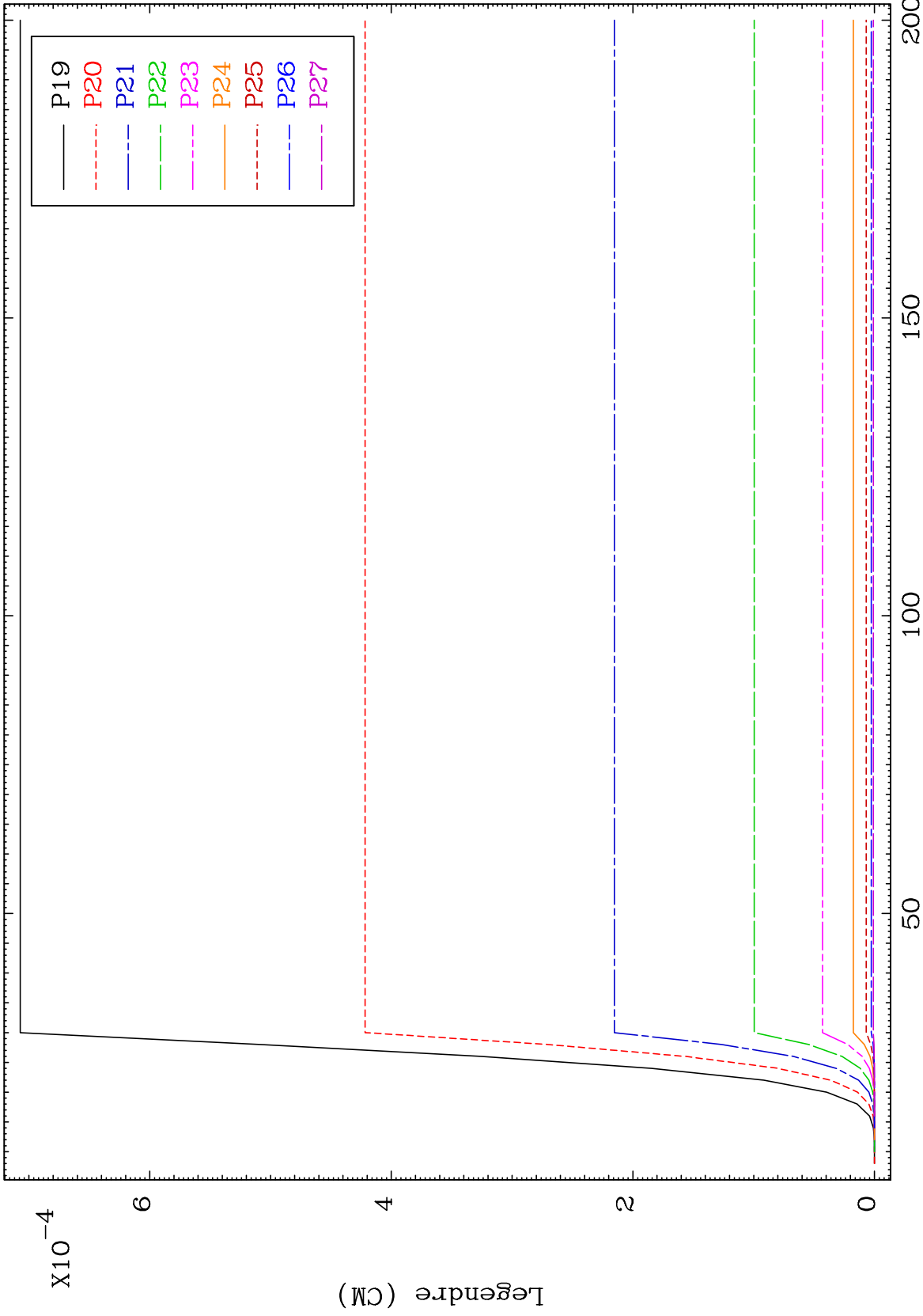
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



60

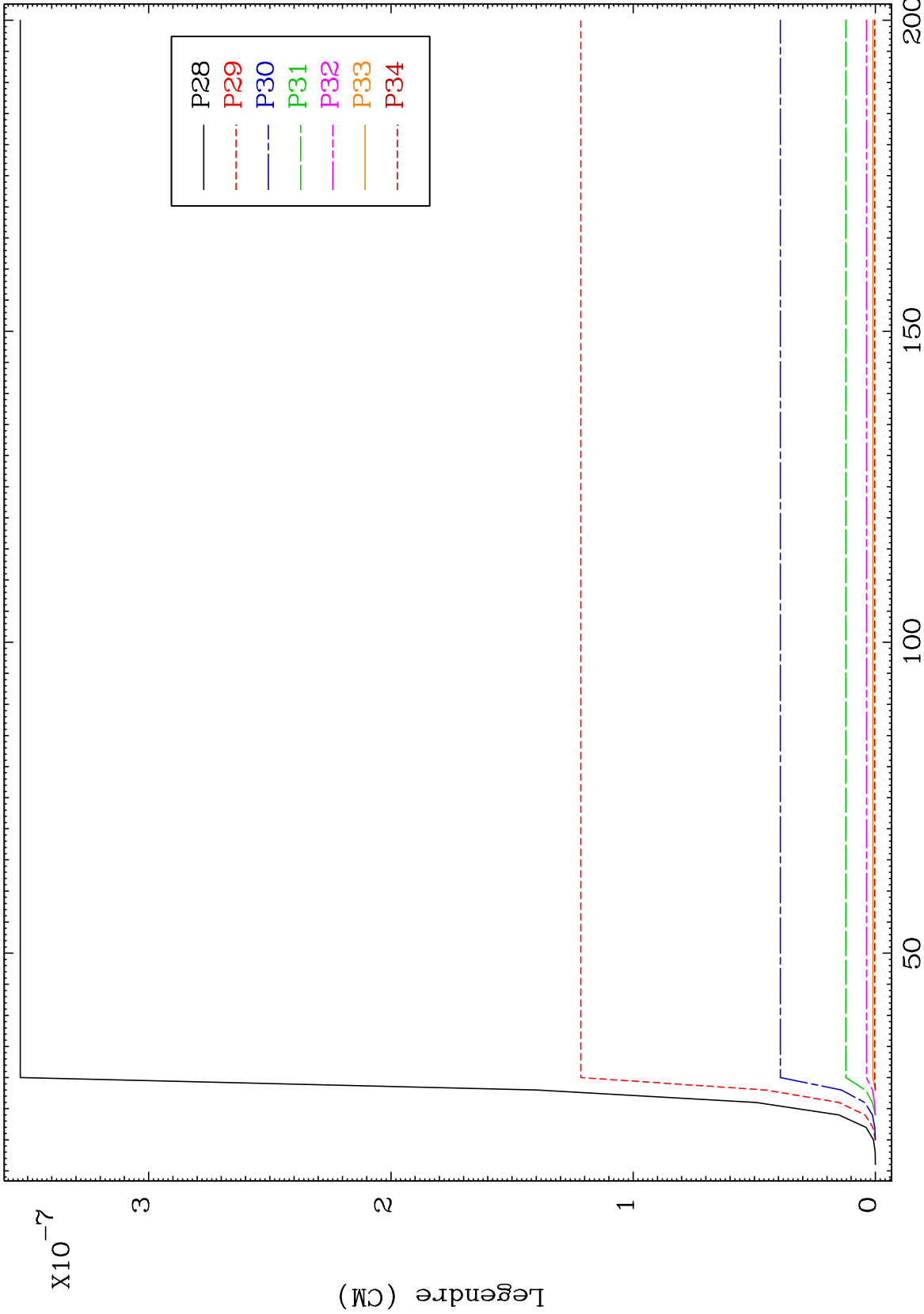
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

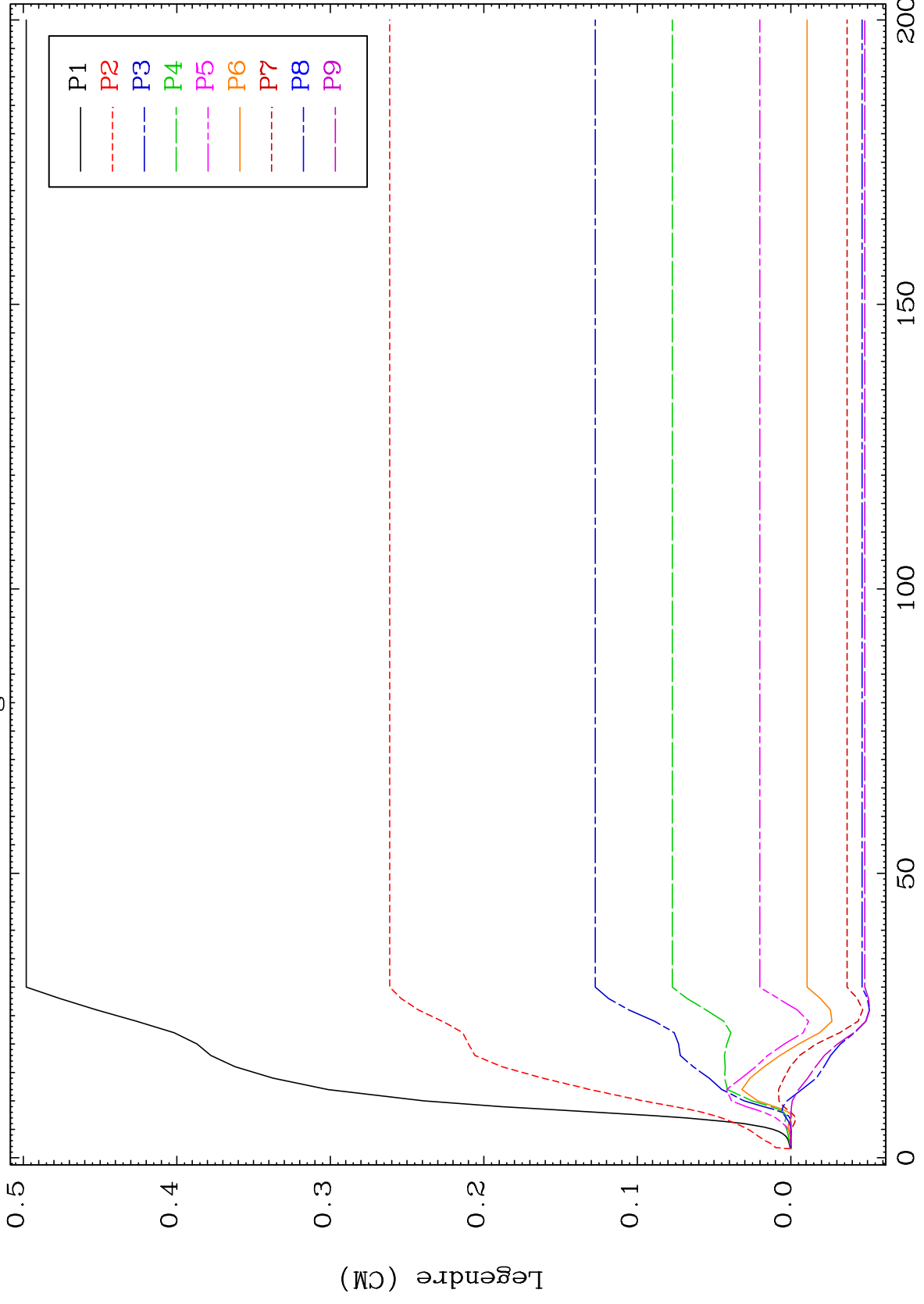
43-Tc-91



61

43-Tc-91

MAT 4301 MT= 62 (n,n') Level Legendre Coefficients 43-Tc-91

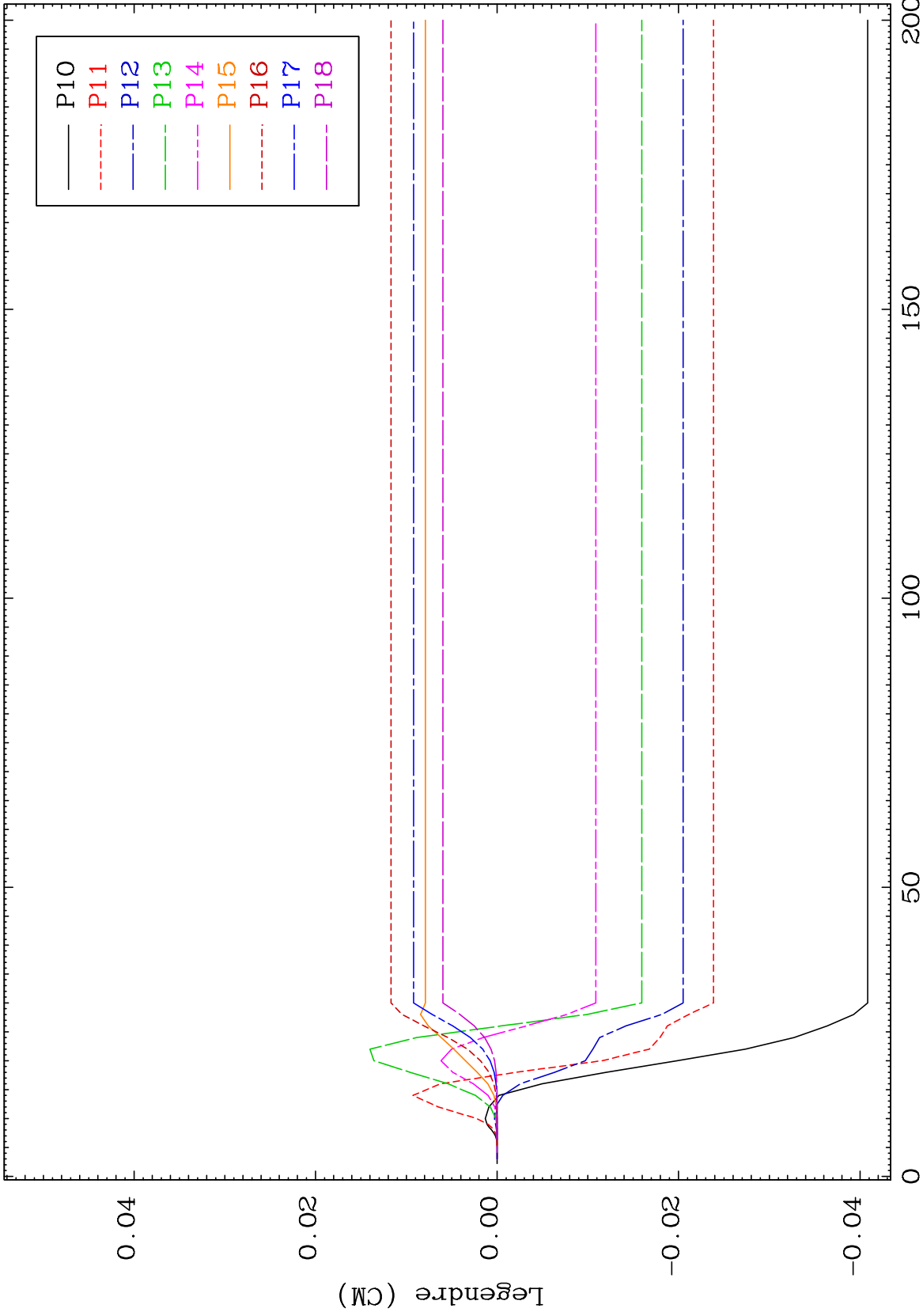


62 43-Tc-91

MAT 4301

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

43-Tc-91



63

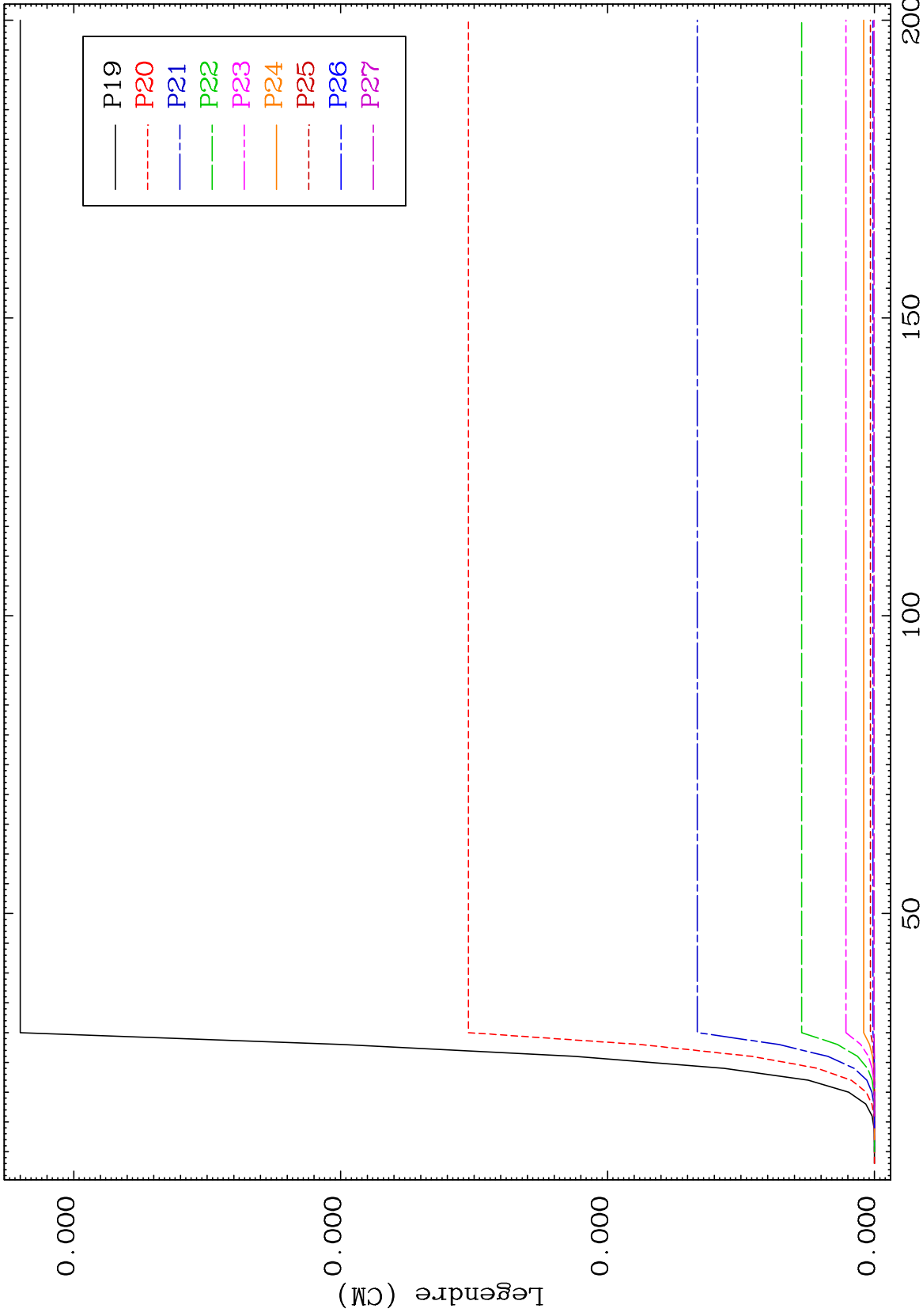
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



64

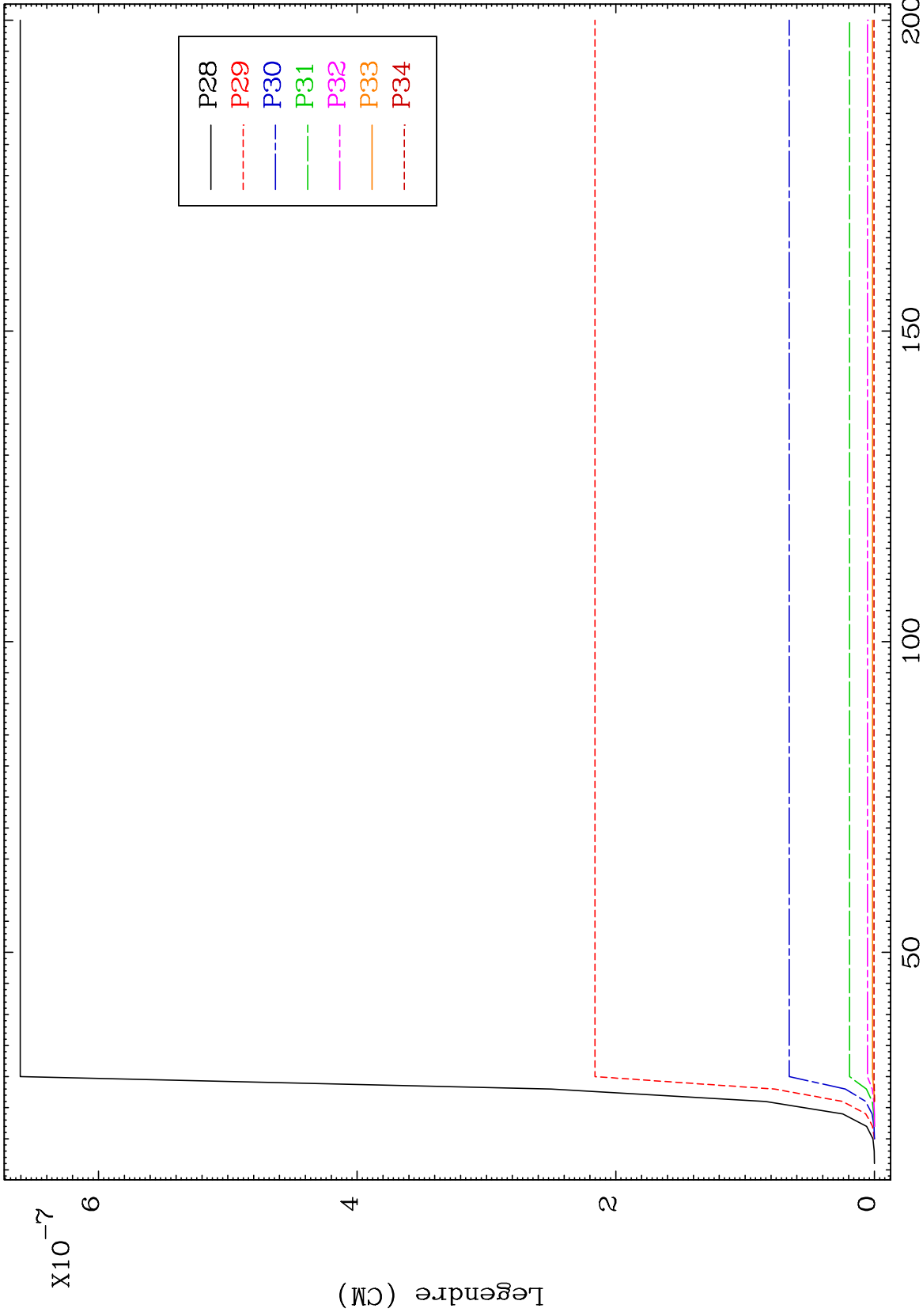
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



65

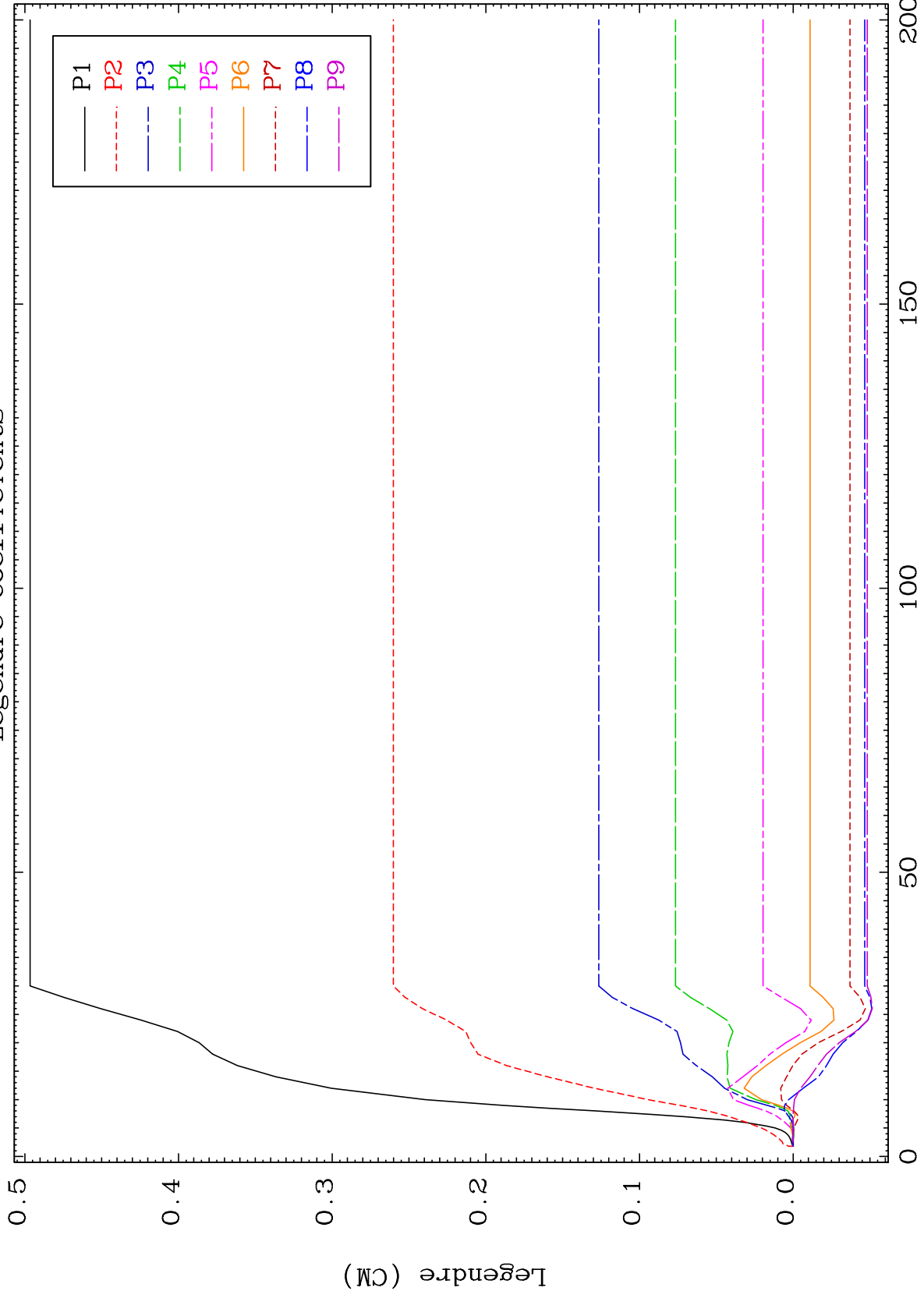
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



66

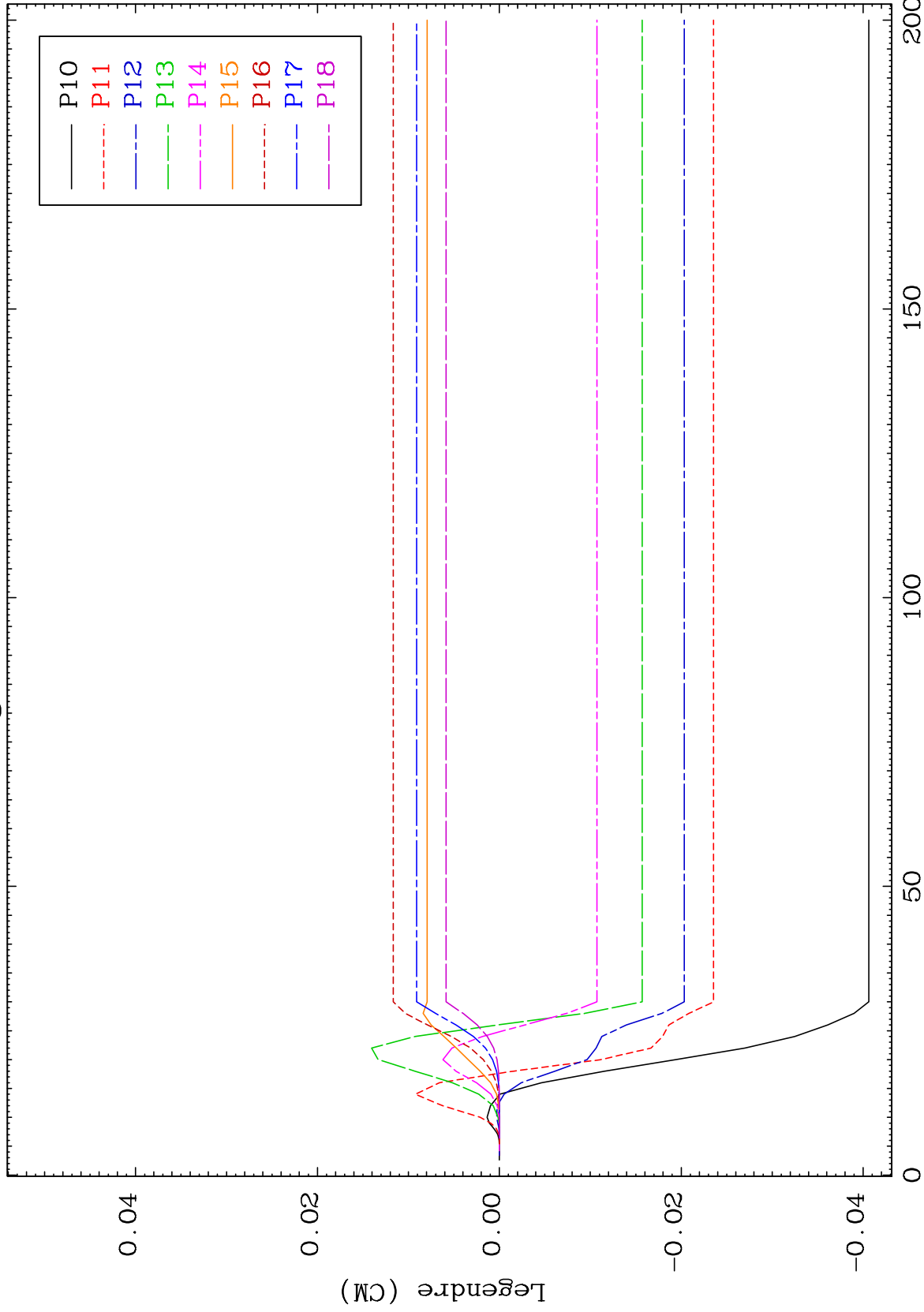
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



67

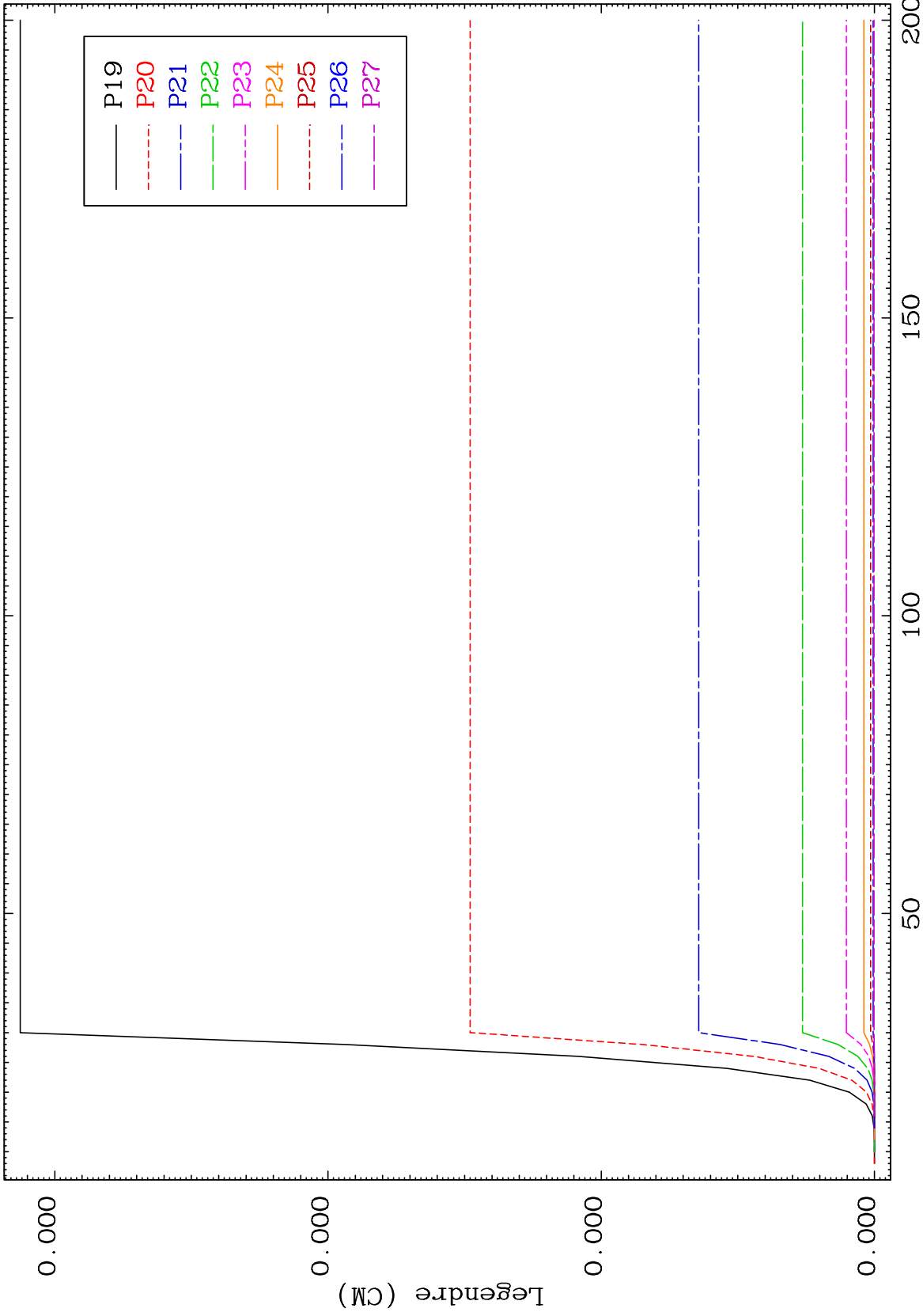
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



68

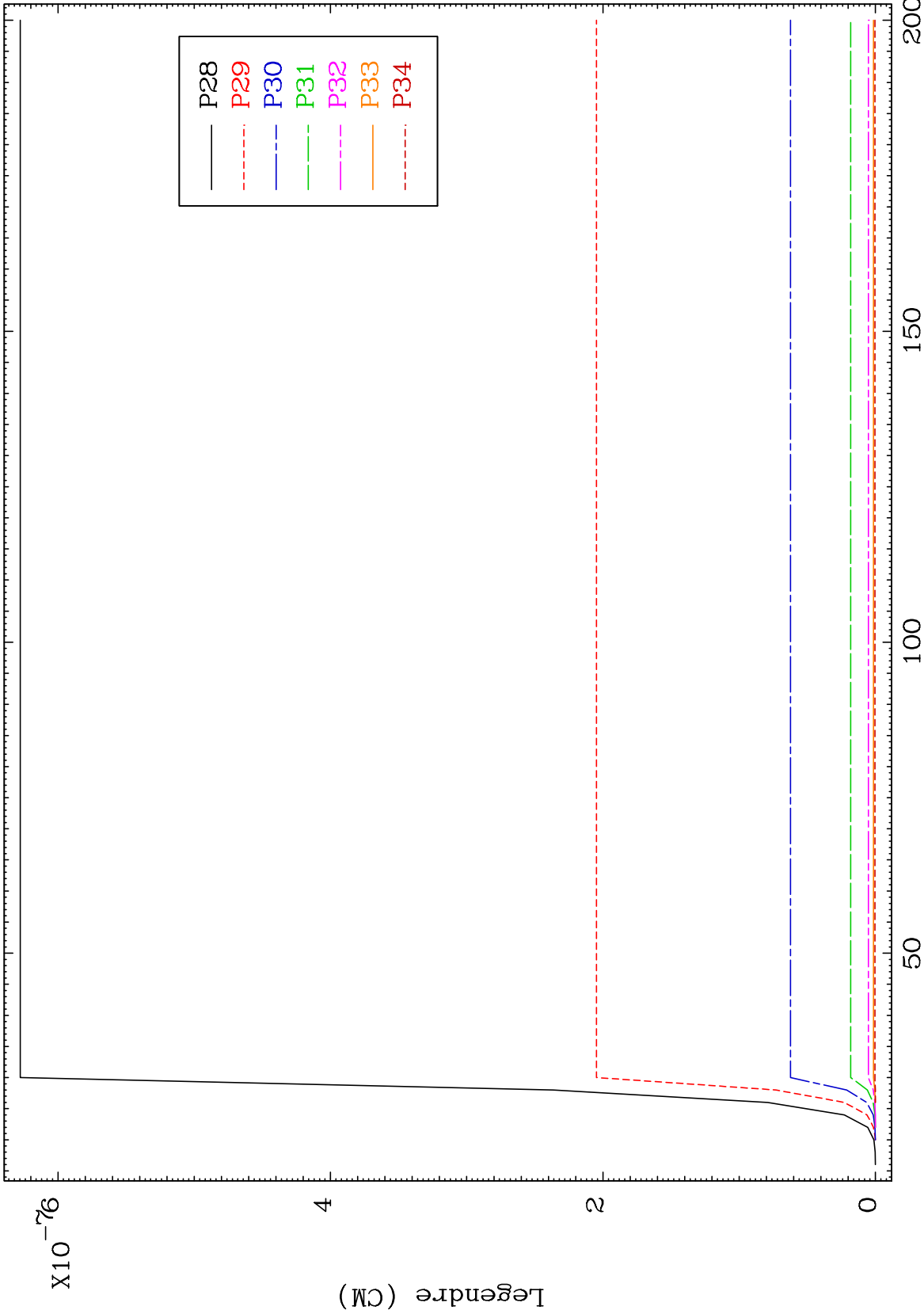
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



69

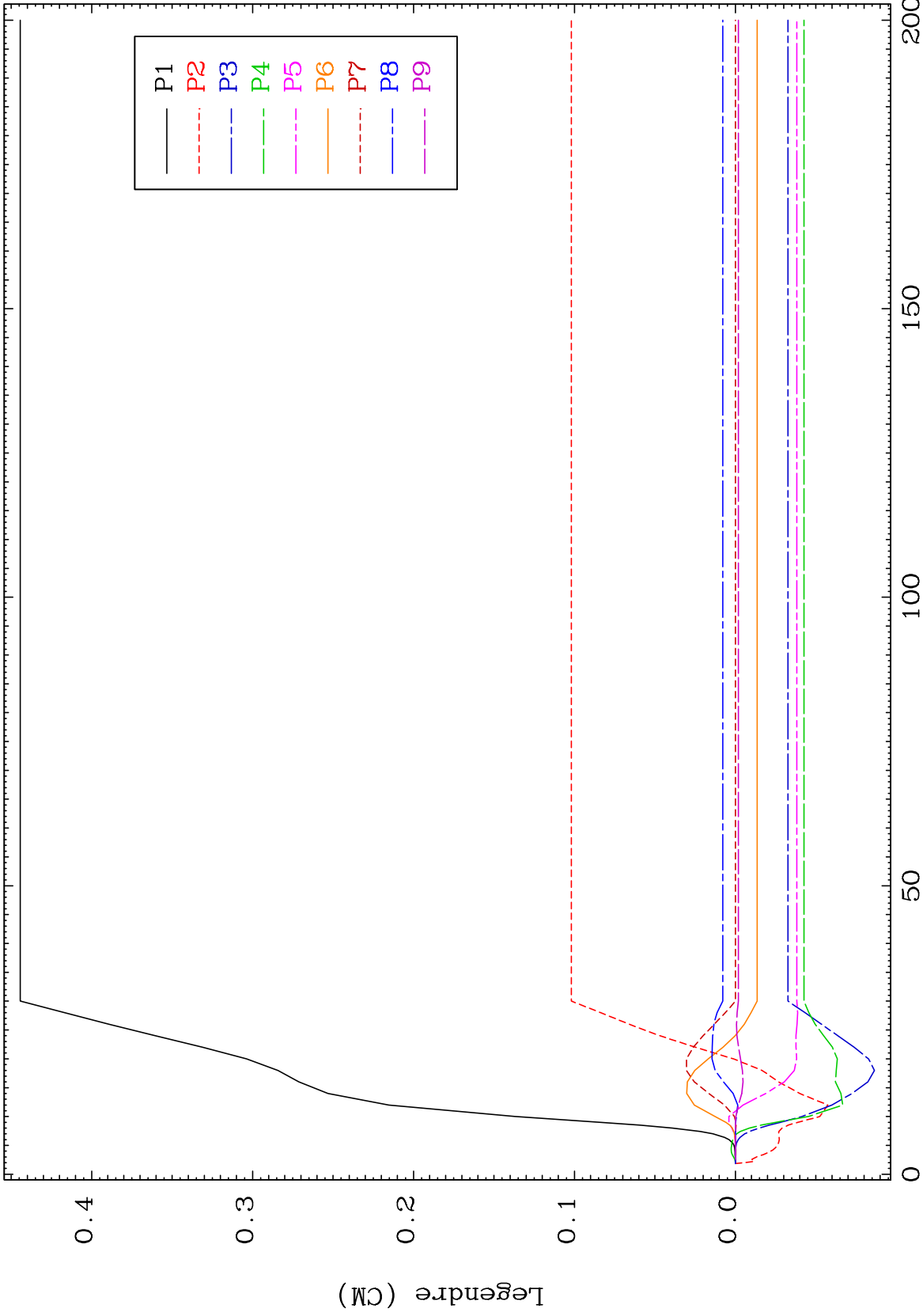
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



70

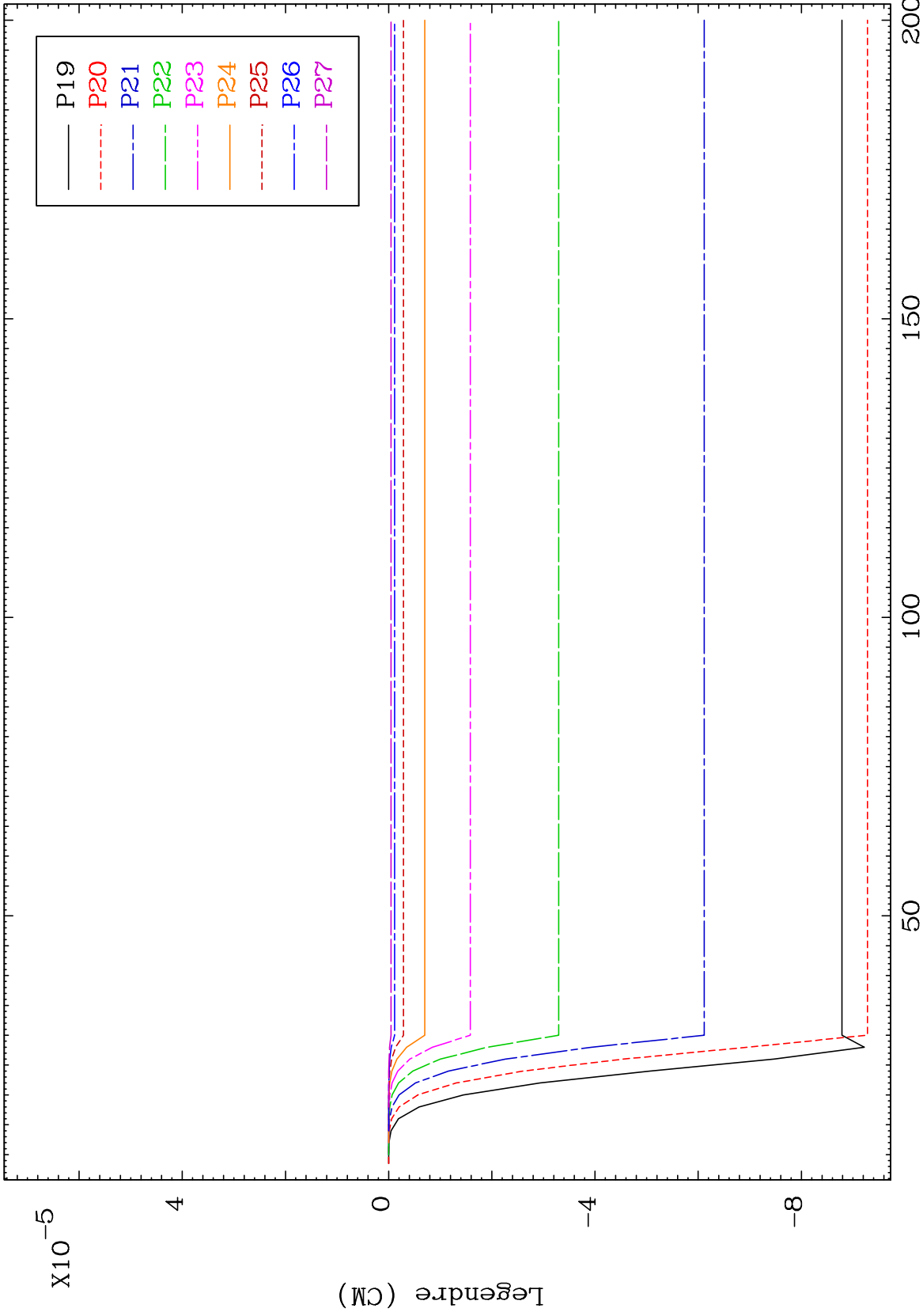
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91

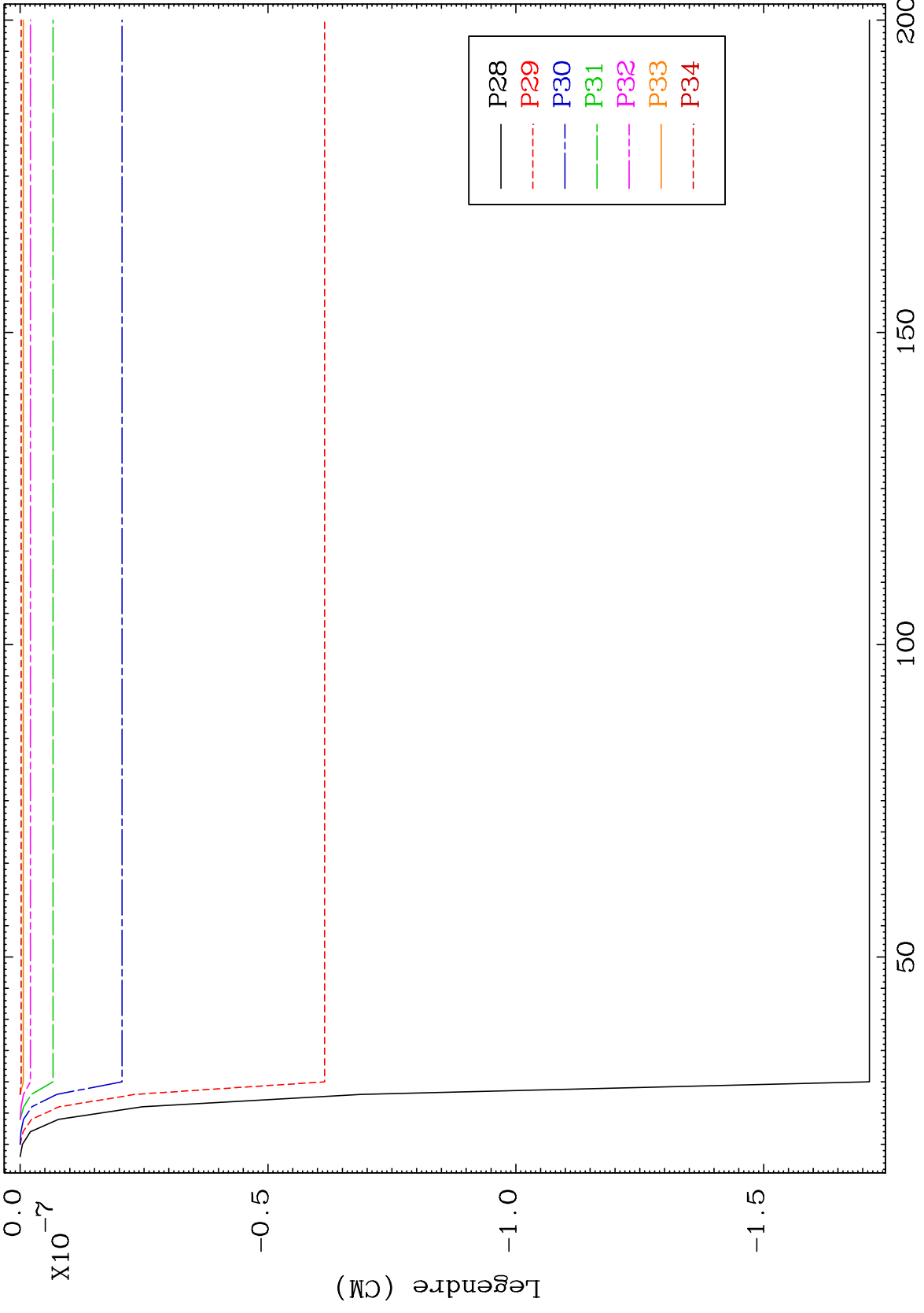


72

Incident Energy (MeV)

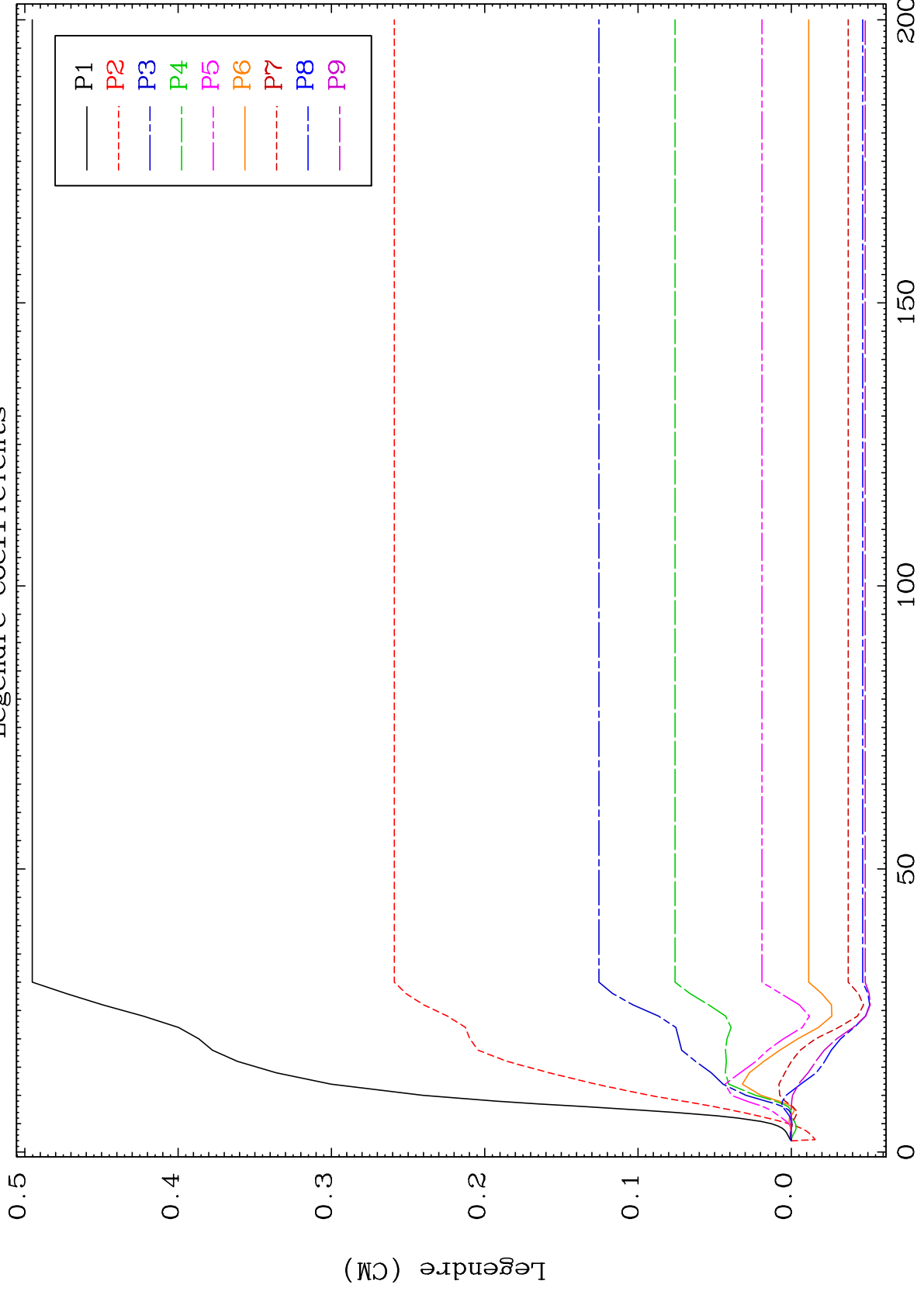
43-Tc-91

MAT 4301 MT= 64 (n,n') Level Legendre Coefficients 43-Tc-91



73 43-Tc-91

MAT 4301 MT= 65 (n,n') Level Legendre Coefficients 43-Tc-91

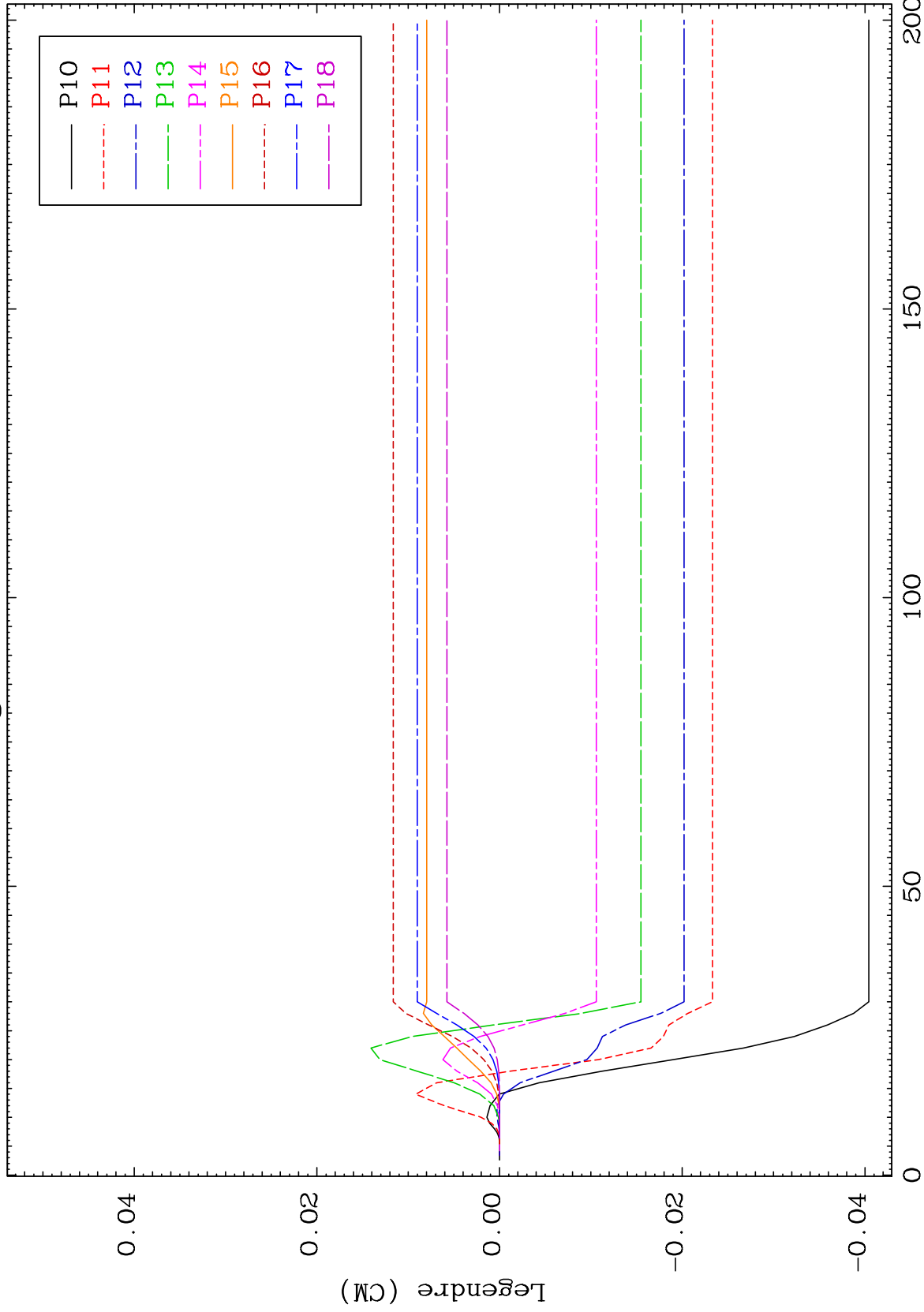


74 43-Tc-91

MAT 4301

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

43-Tc-91

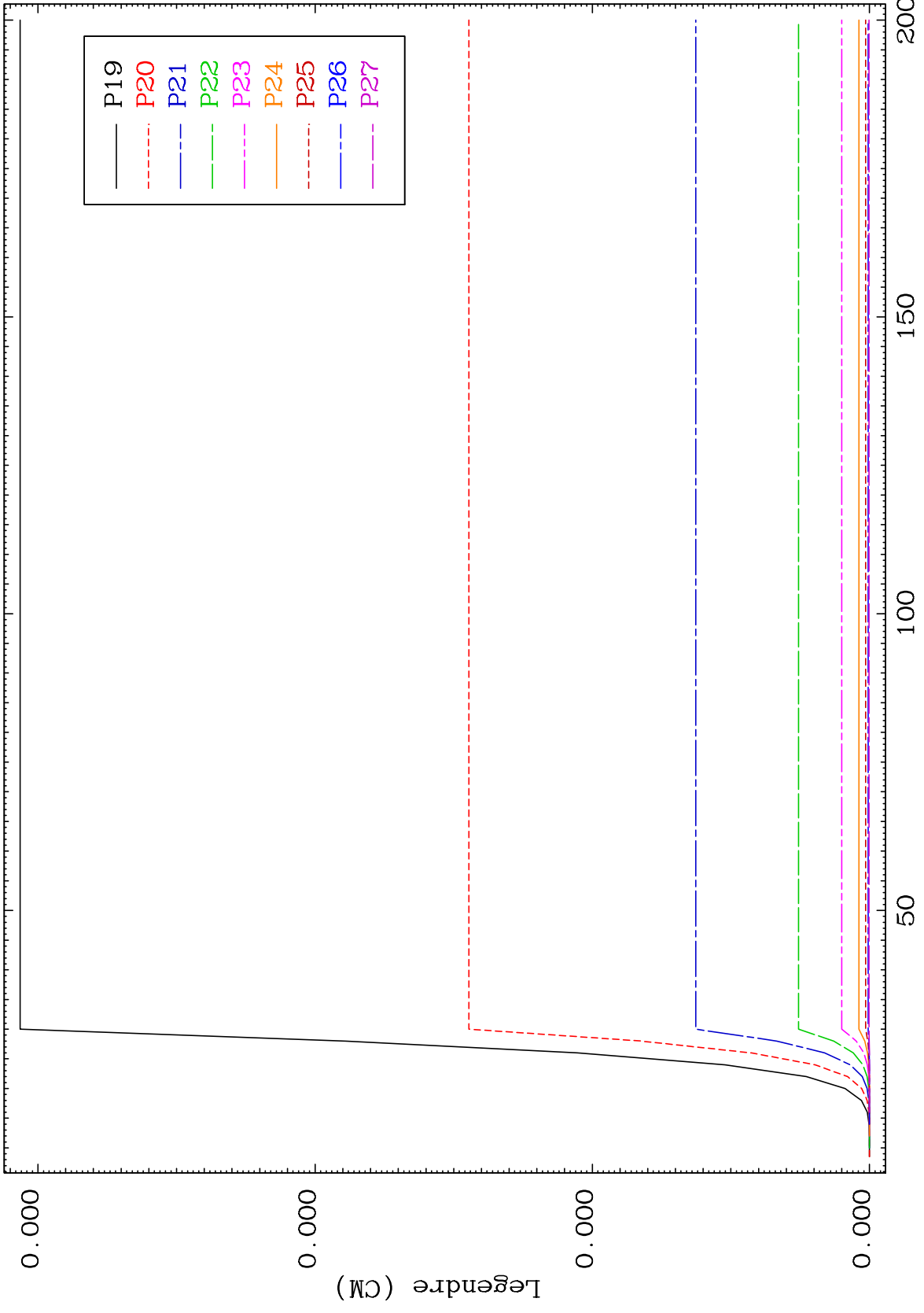


75

Incident Energy (MeV)

43-Tc-91

MAT 4301 MT= 65 (n,n') Level Legendre Coefficients 43-Tc-91

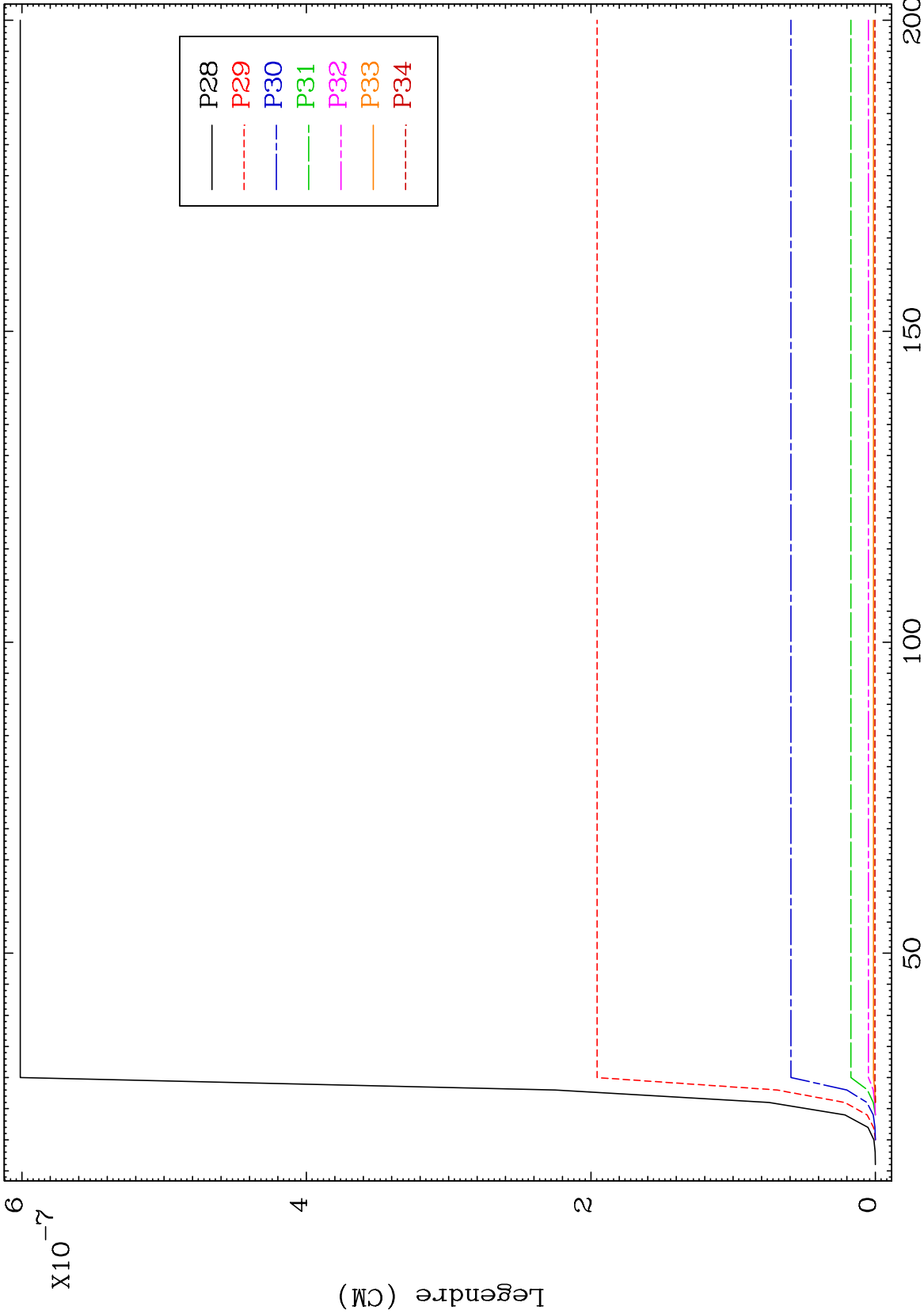


76 43-Tc-91

MAT 4301

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

43-Tc-91



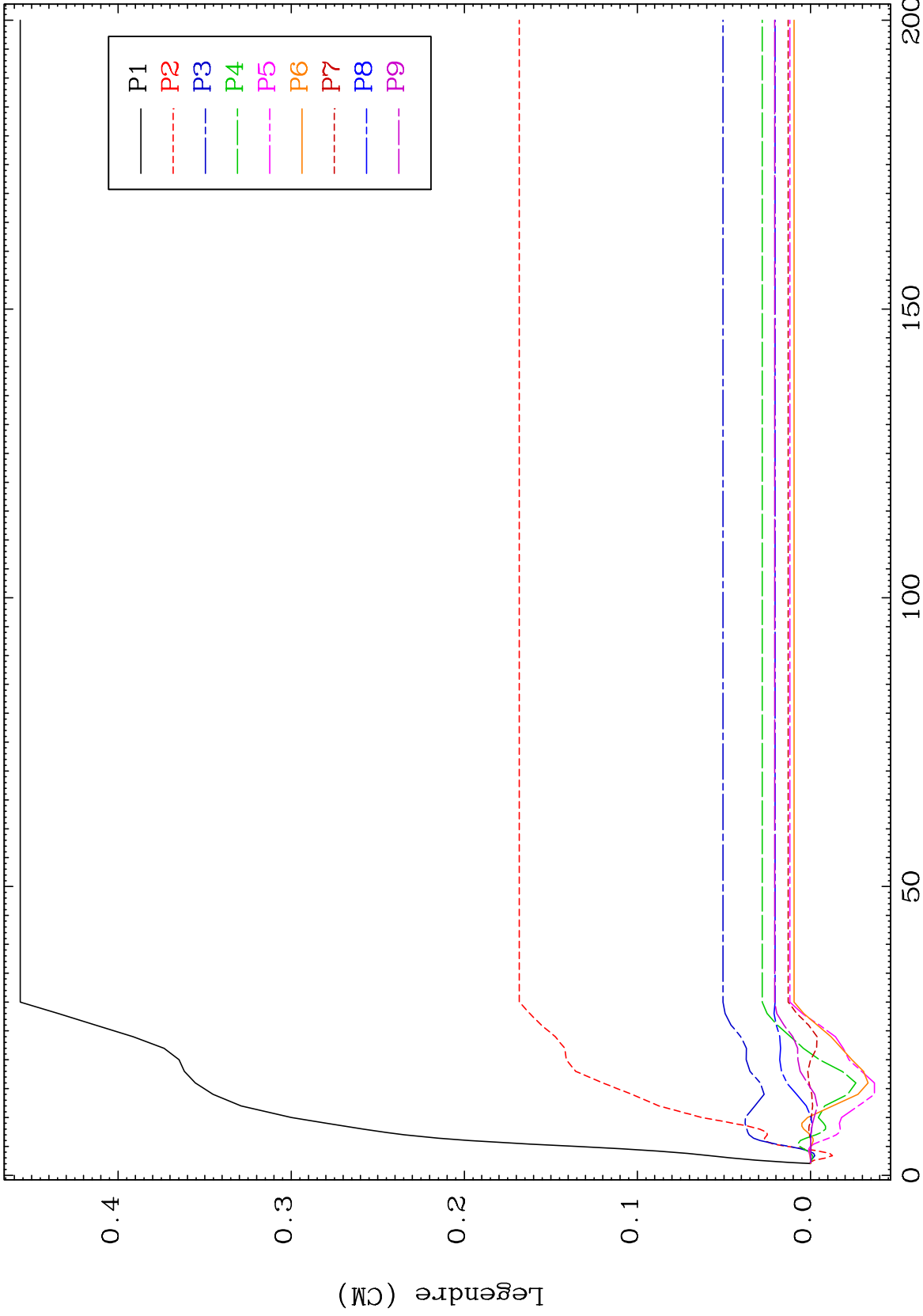
77

43-Tc-91

MAT 4301

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

43-Tc-91



78

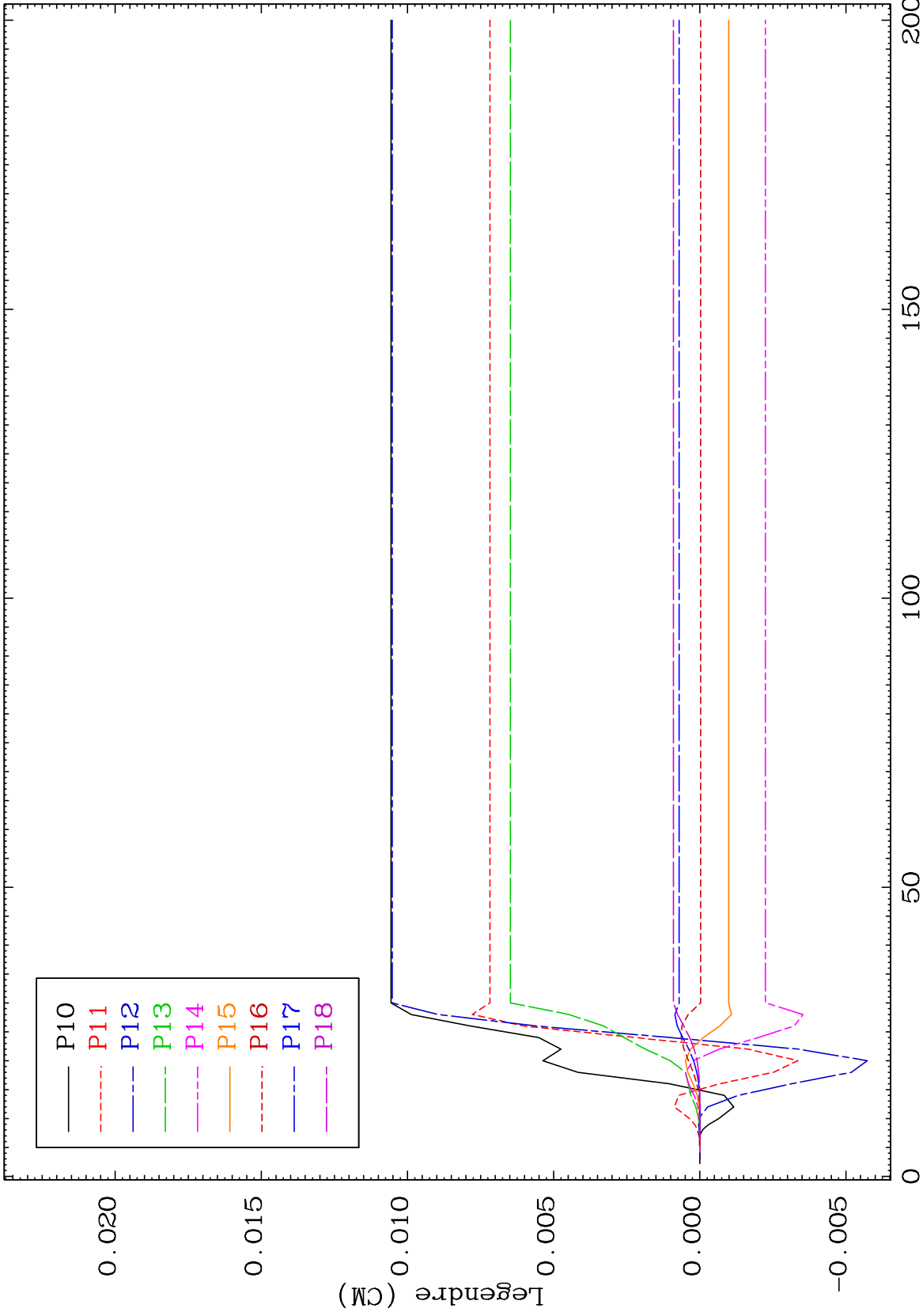
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



79

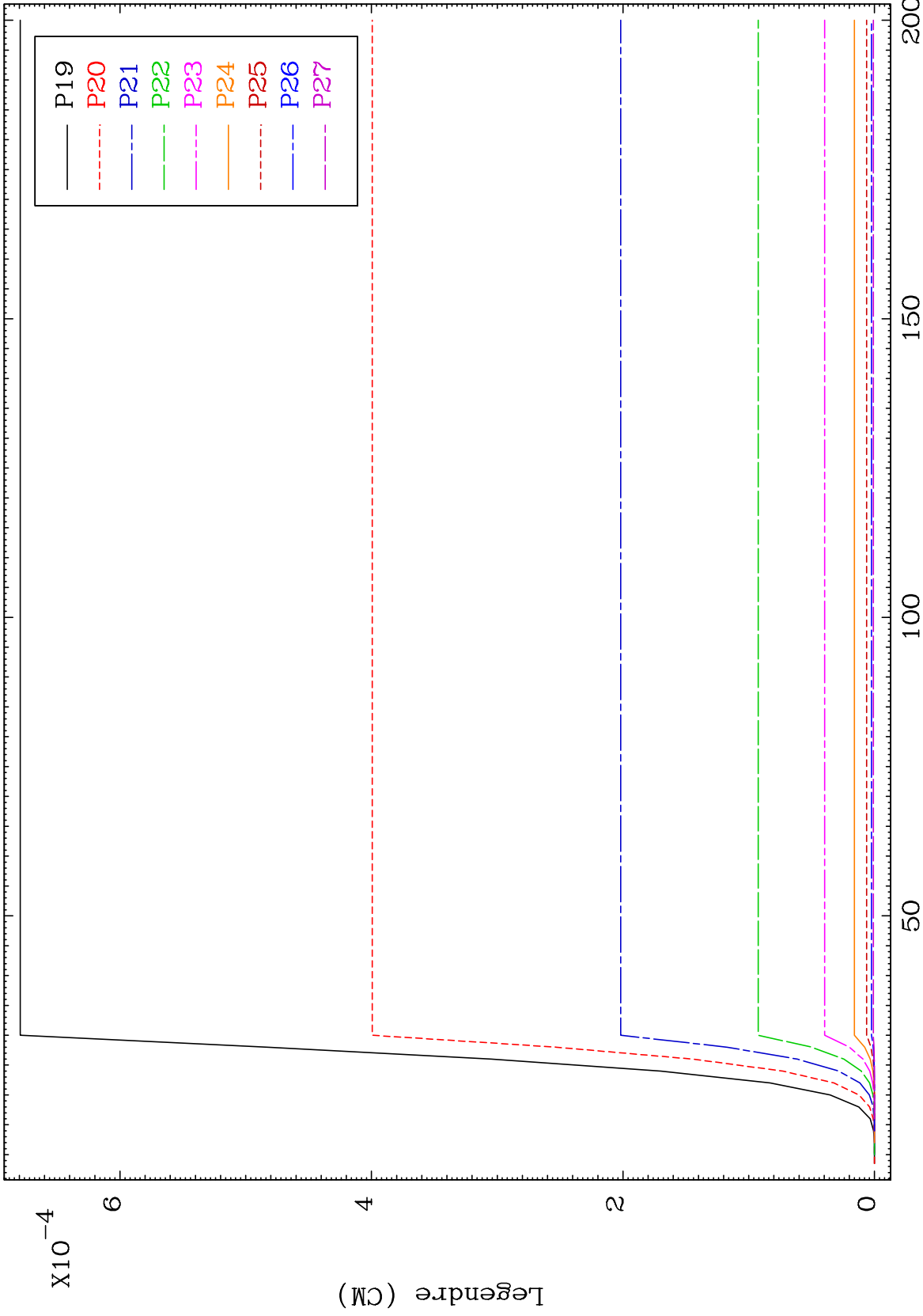
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



80

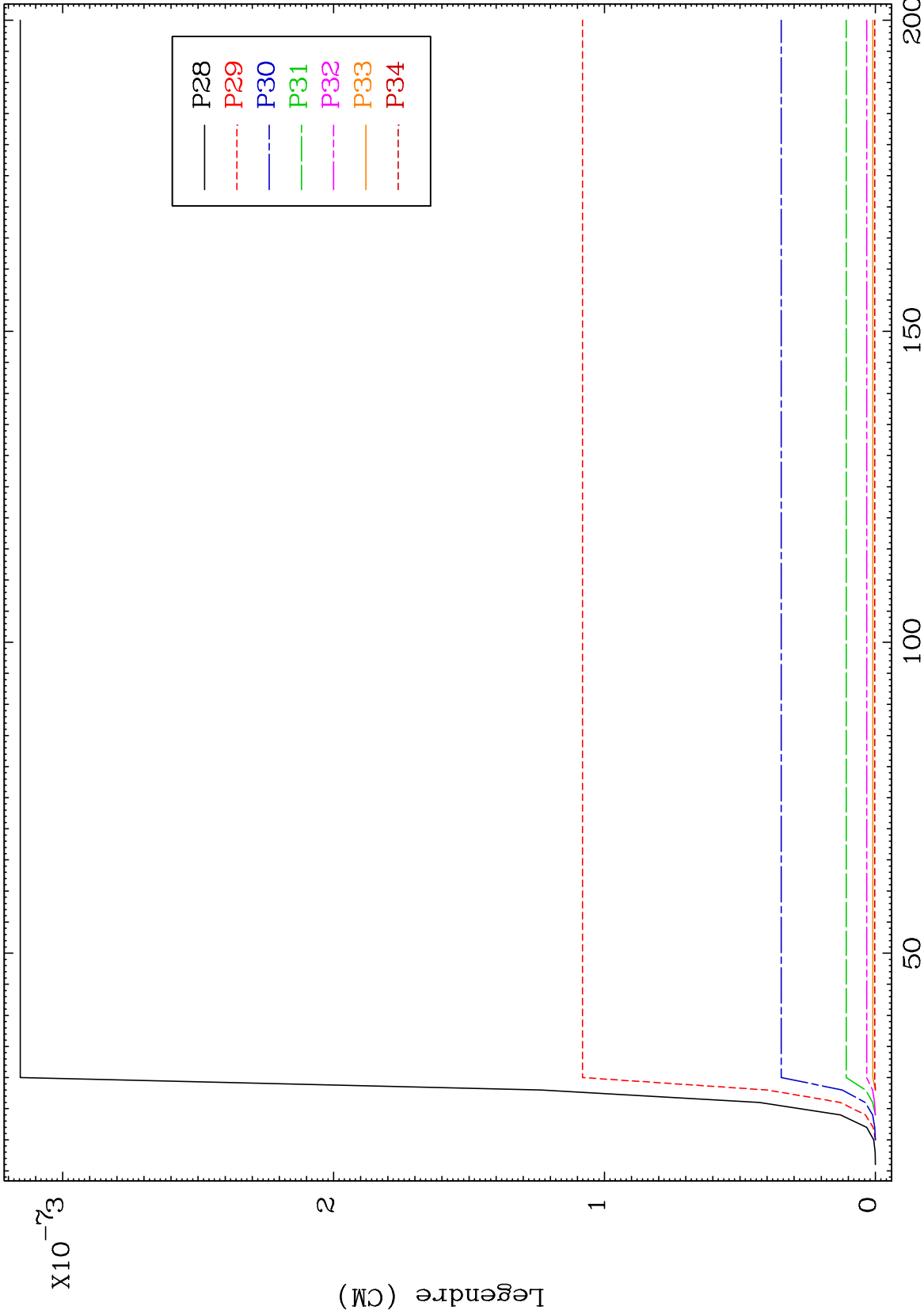
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



81

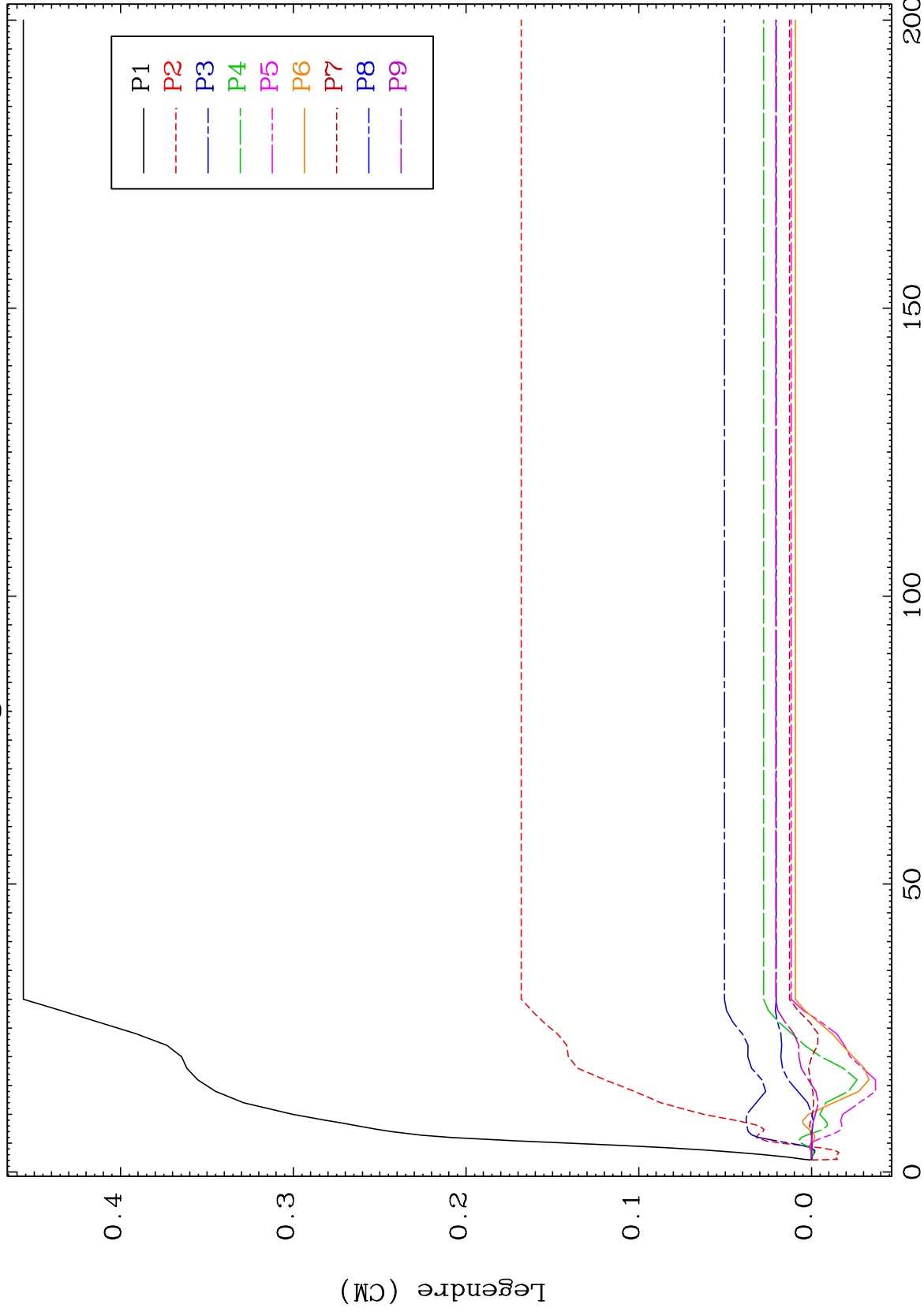
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



82

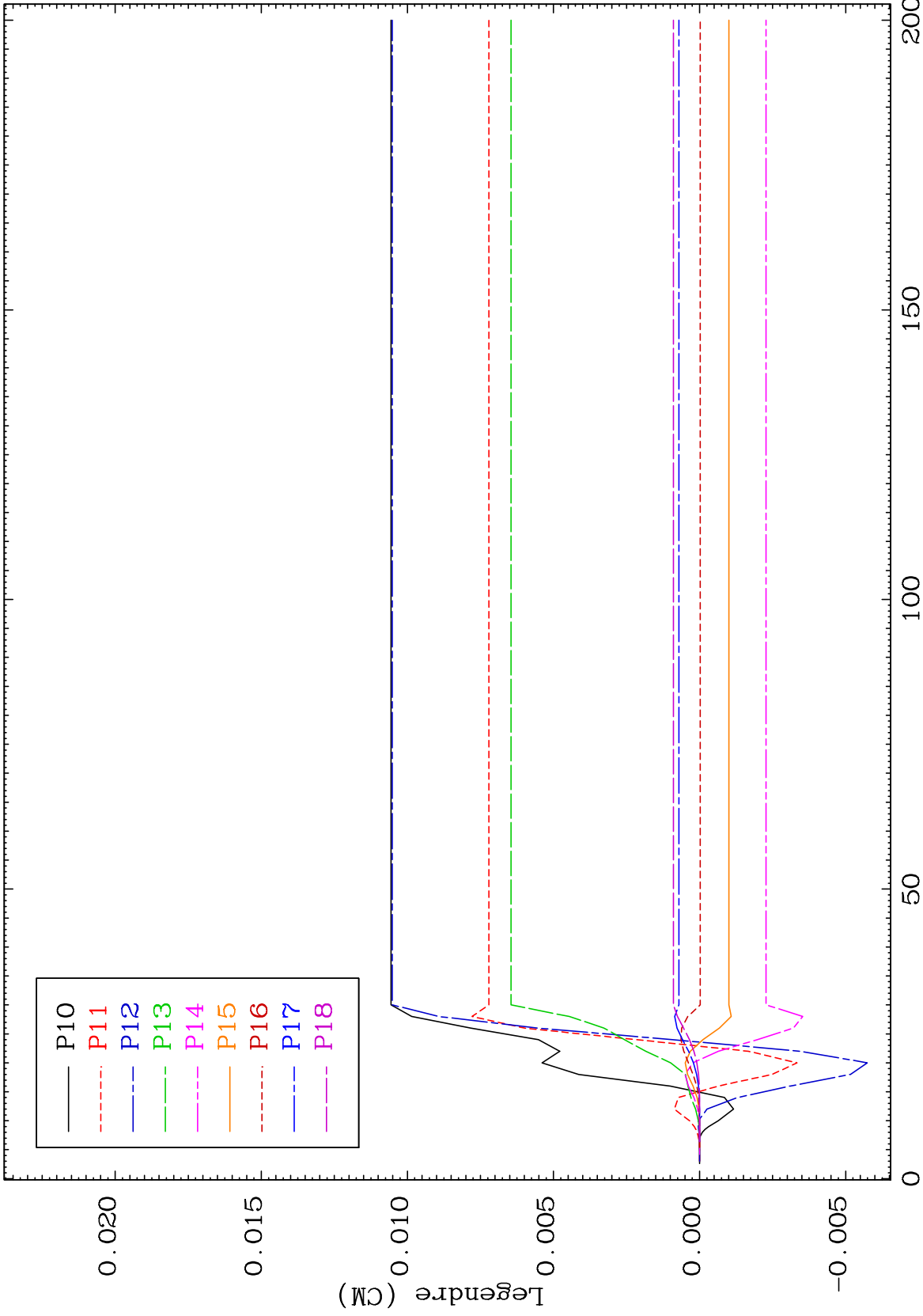
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



83

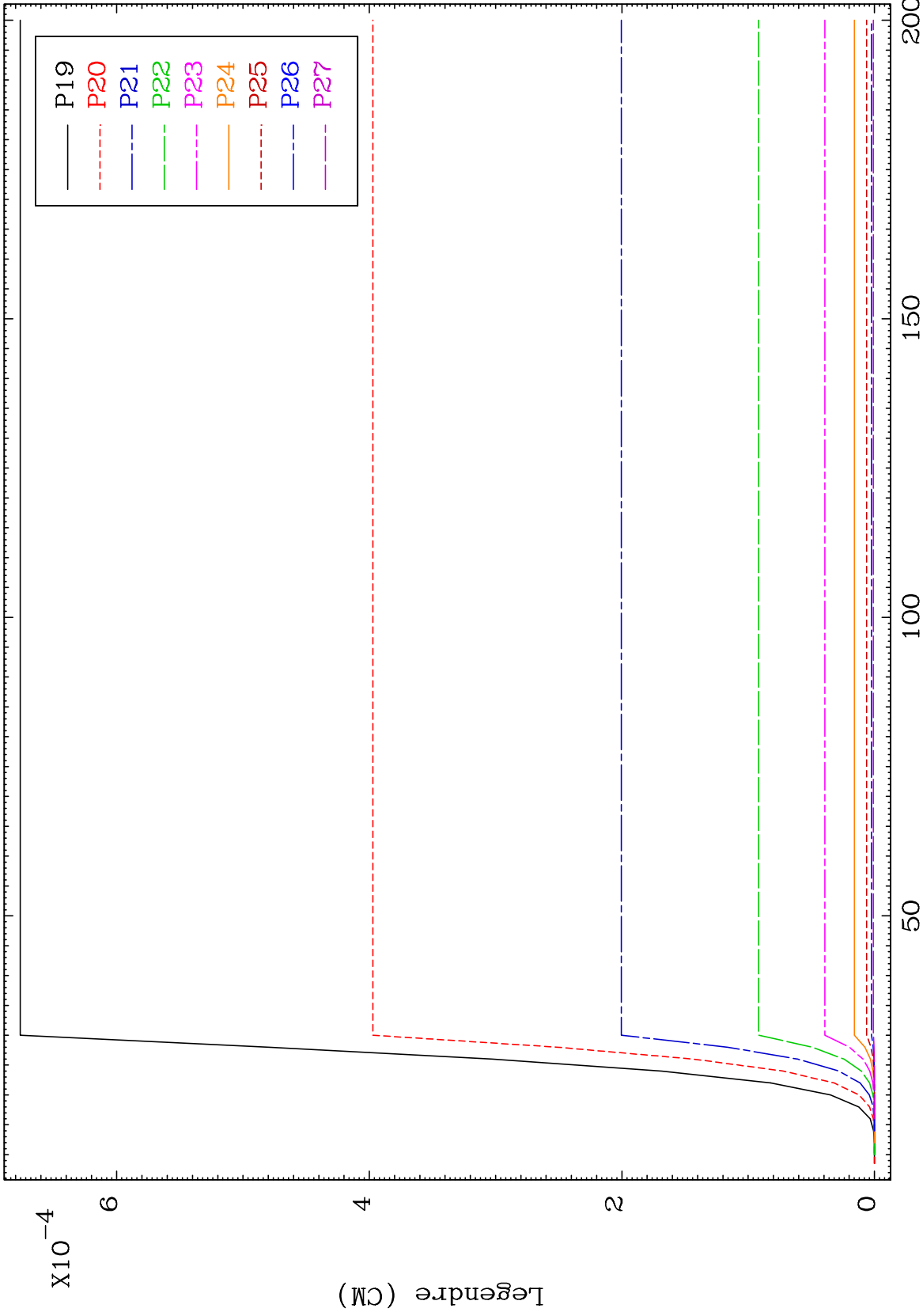
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



84

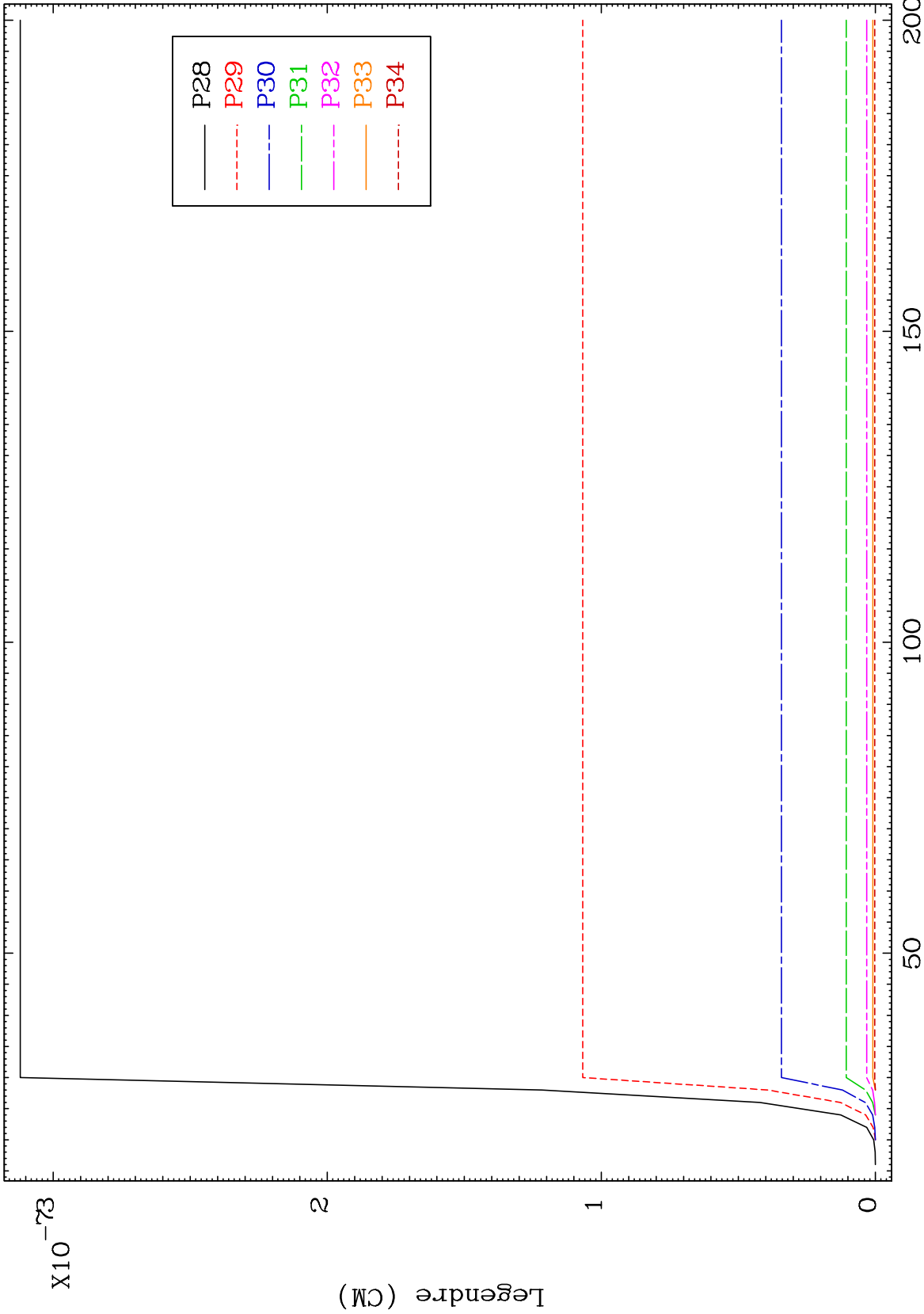
Incident Energy (MeV)

43-Tc-91

MAT 4301

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

43-Tc-91



85

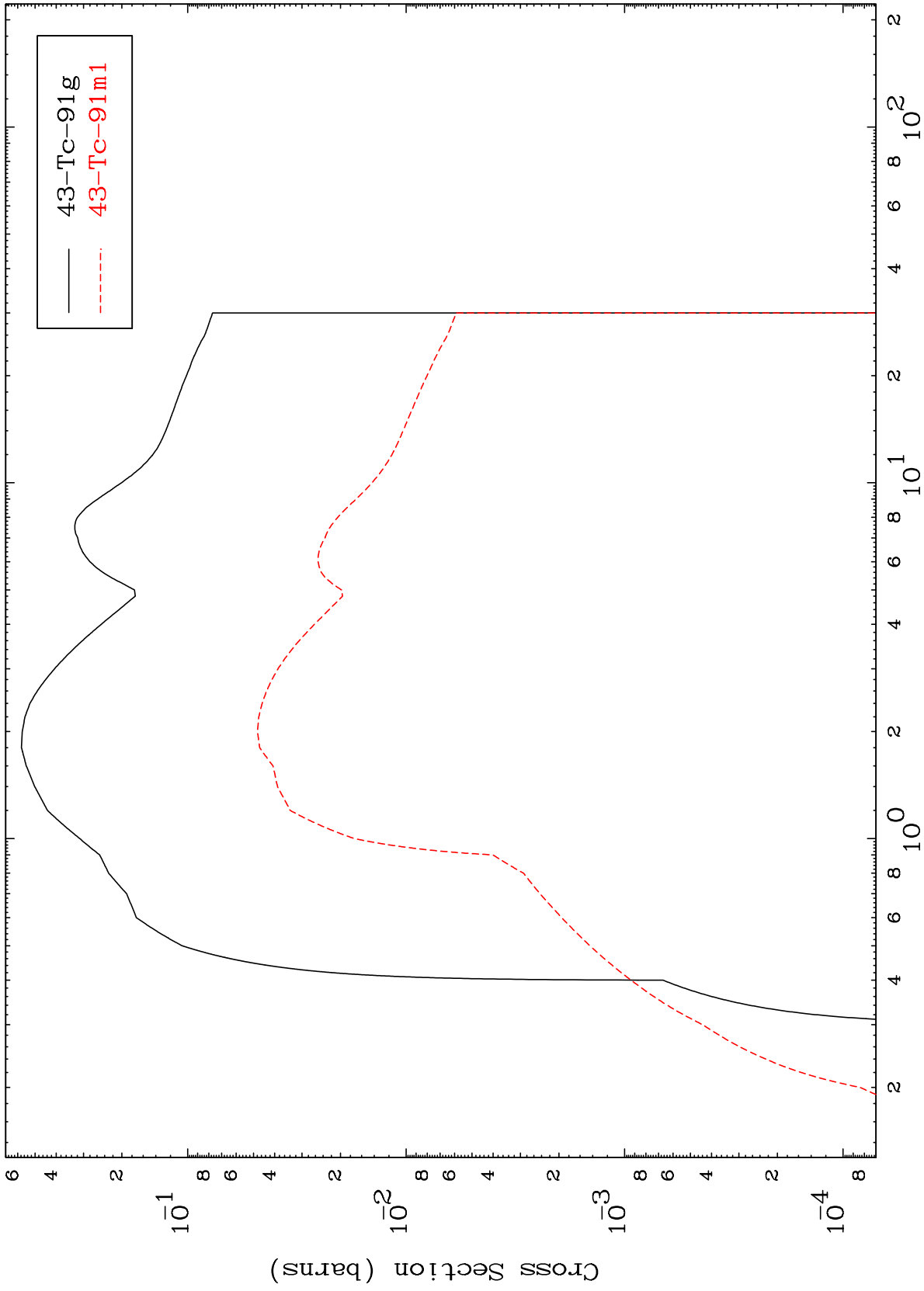
Incident Energy (MeV)

43-Tc-91

MAT 4301

43-Tc-91

Inelastic Radionuclide Production Cross Section



86

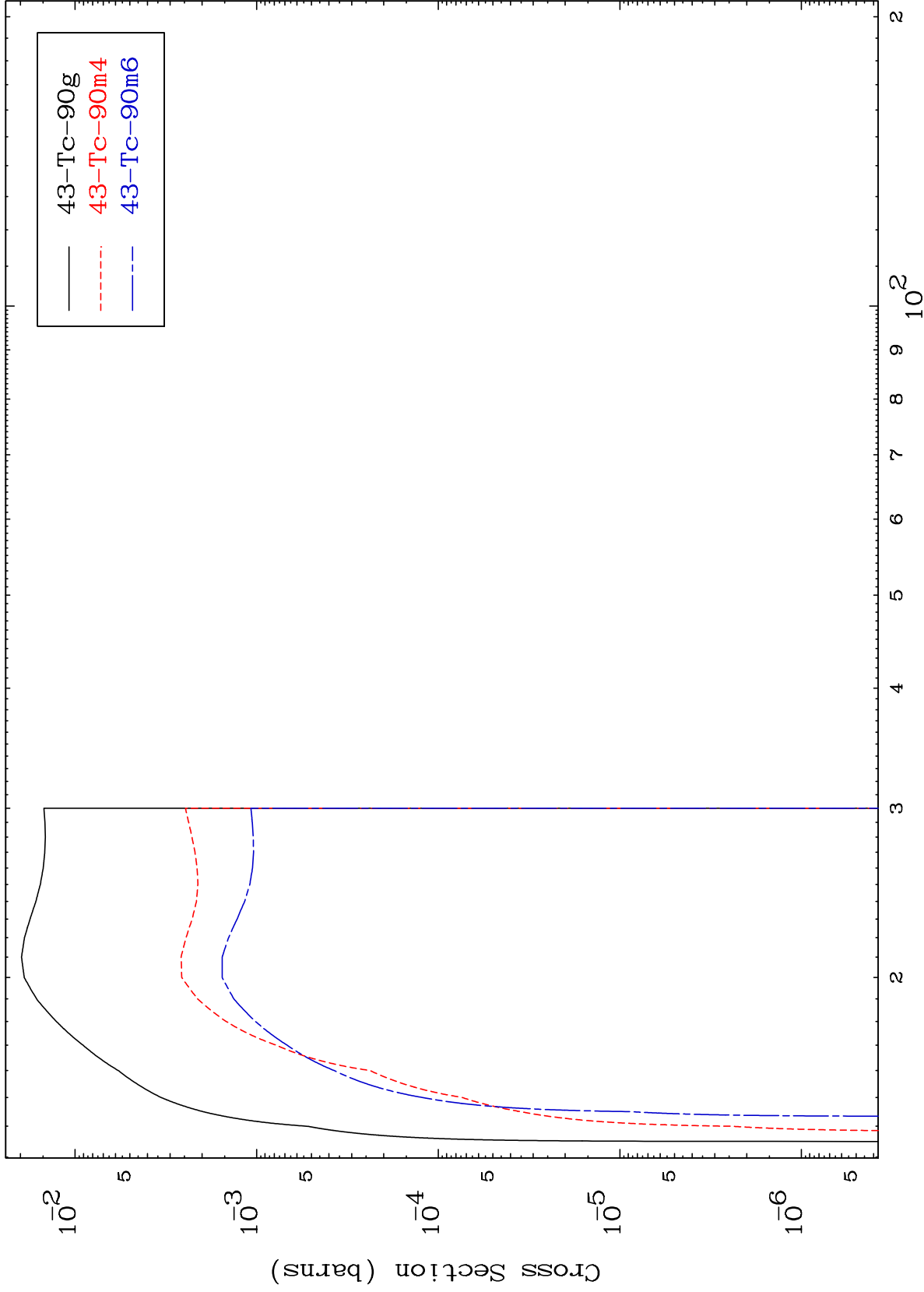
43-Tc-91

MAT 4301

(n,2n)

43-Tc-91

Radionuclide Production Cross Section



87

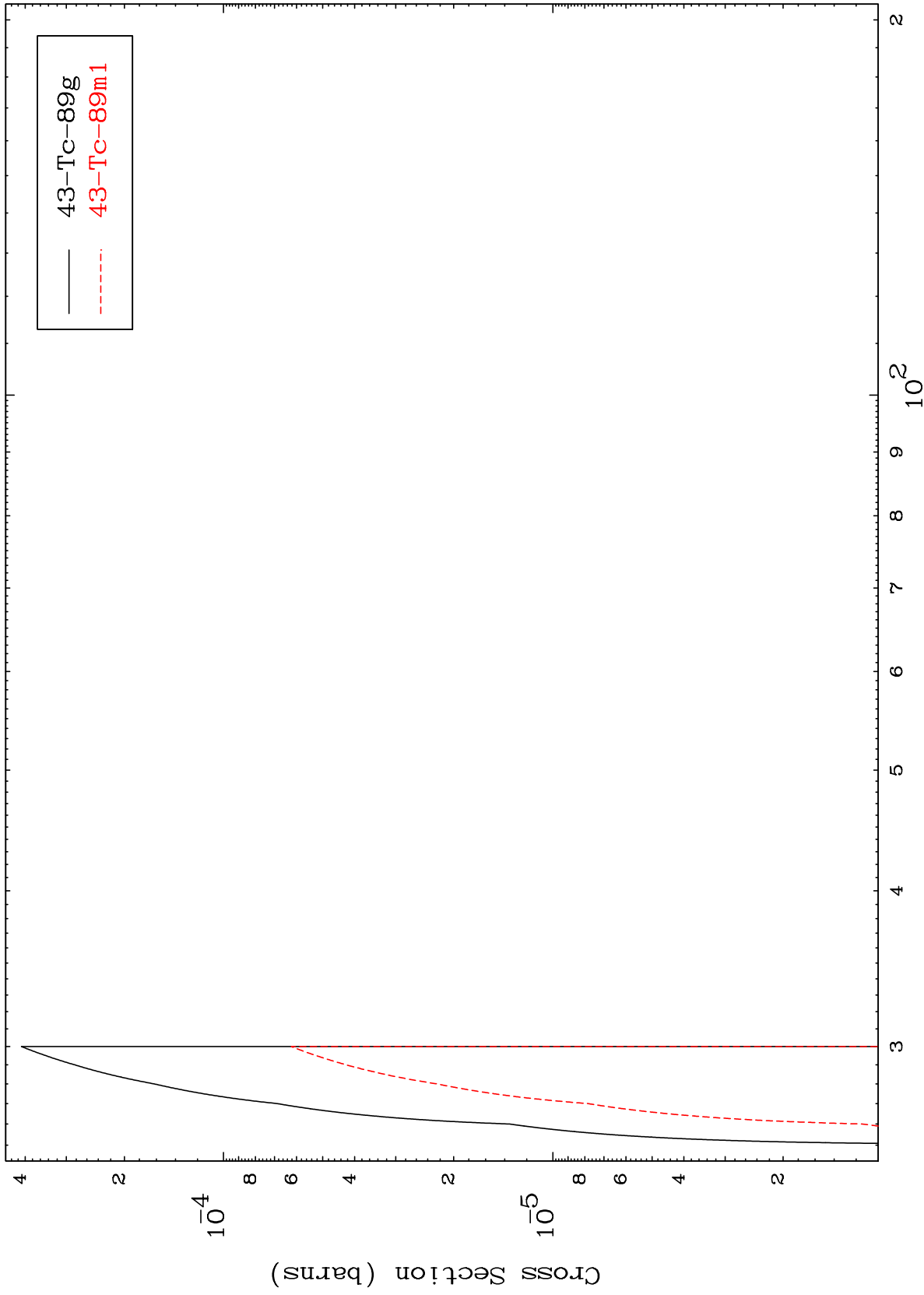
Incident Energy (MeV)

43-Tc-91

MAT 4301

43-Tc-91

(n,3n)
Radionuclide Production Cross Section



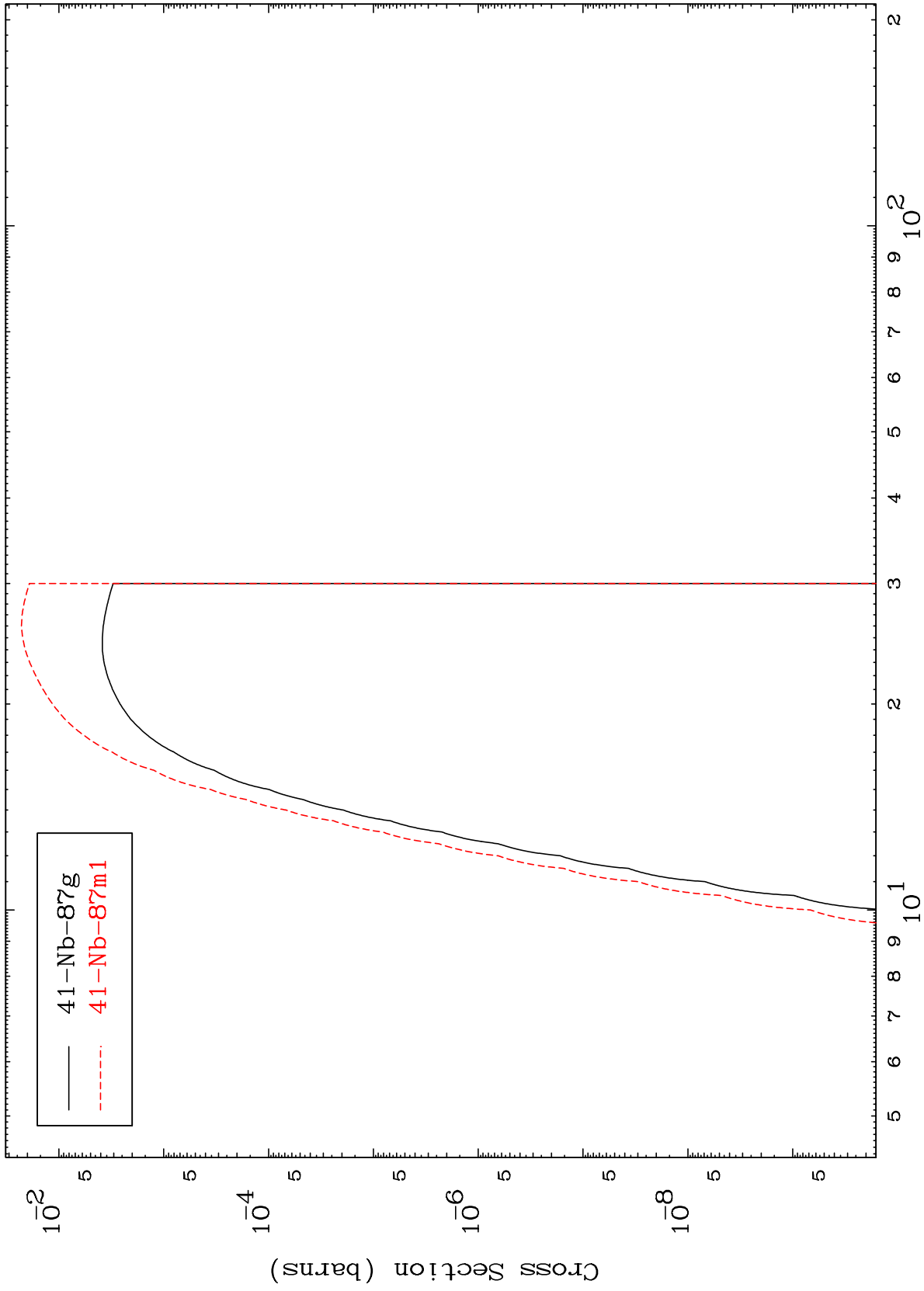
88

43-Tc-91

MAT 4301

43-Tc-91

(n,n') α
Radionuclide Production Cross Section



— 41-Nb-87g
- - - 41-Nb-87m1

89

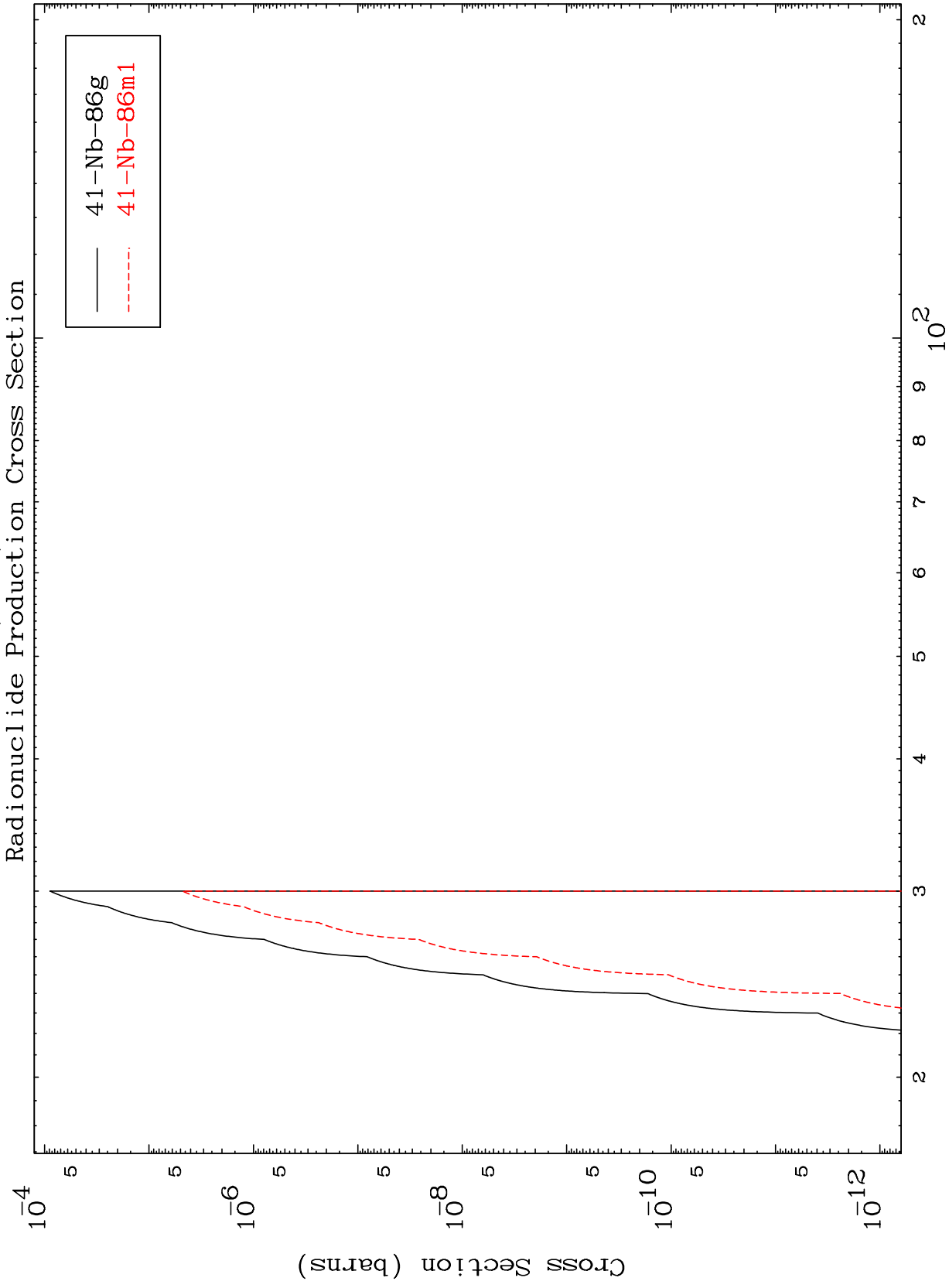
Incident Energy (MeV)

43-Tc-91

MAT 4301

(n,2n) α

43-Tc-91



90

Incident Energy (MeV)

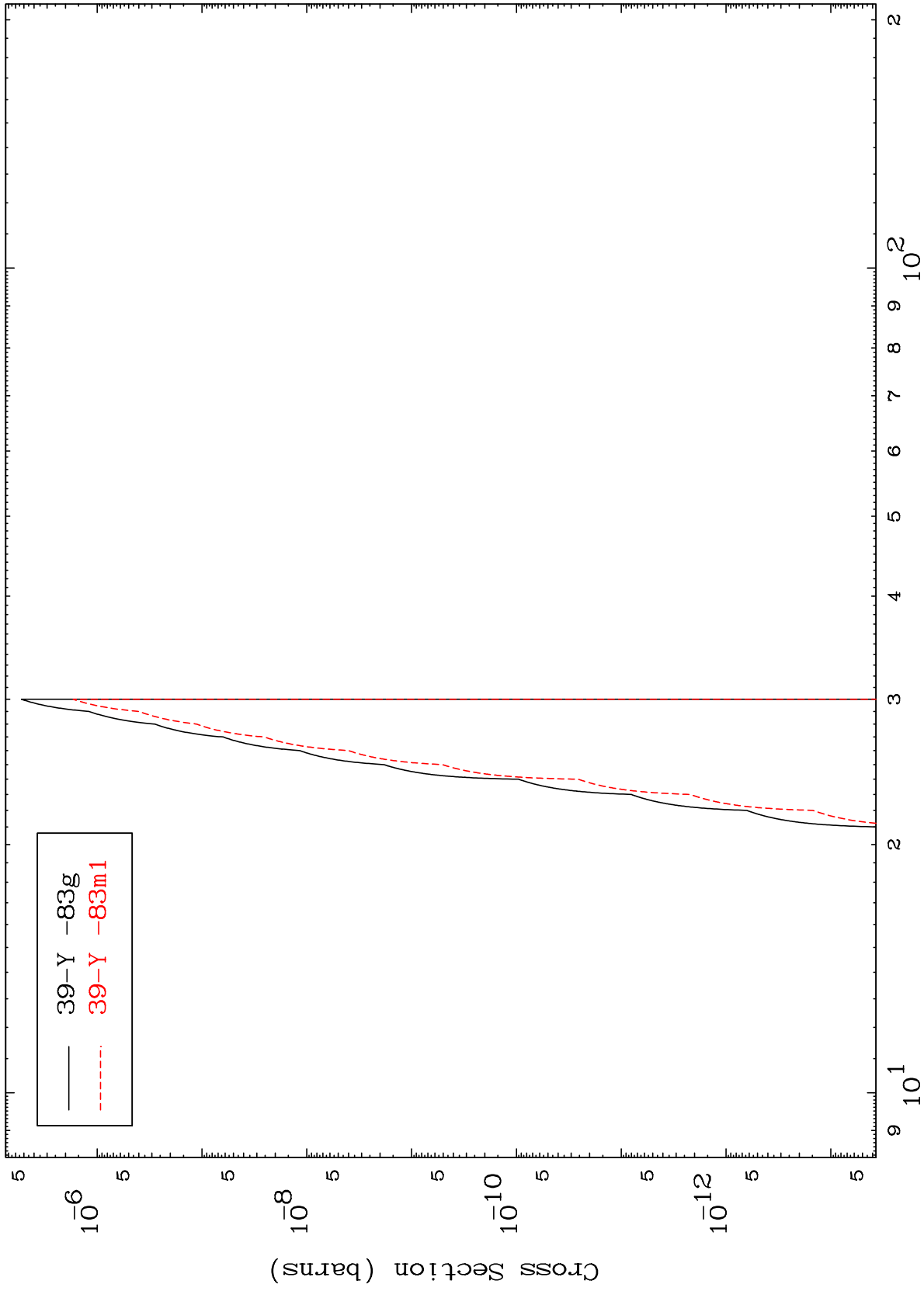
43-Tc-91

MAT 4301

(n,n') 2 α

43-Tc-91

Radionuclide Production Cross Section



91

Incident Energy (MeV)

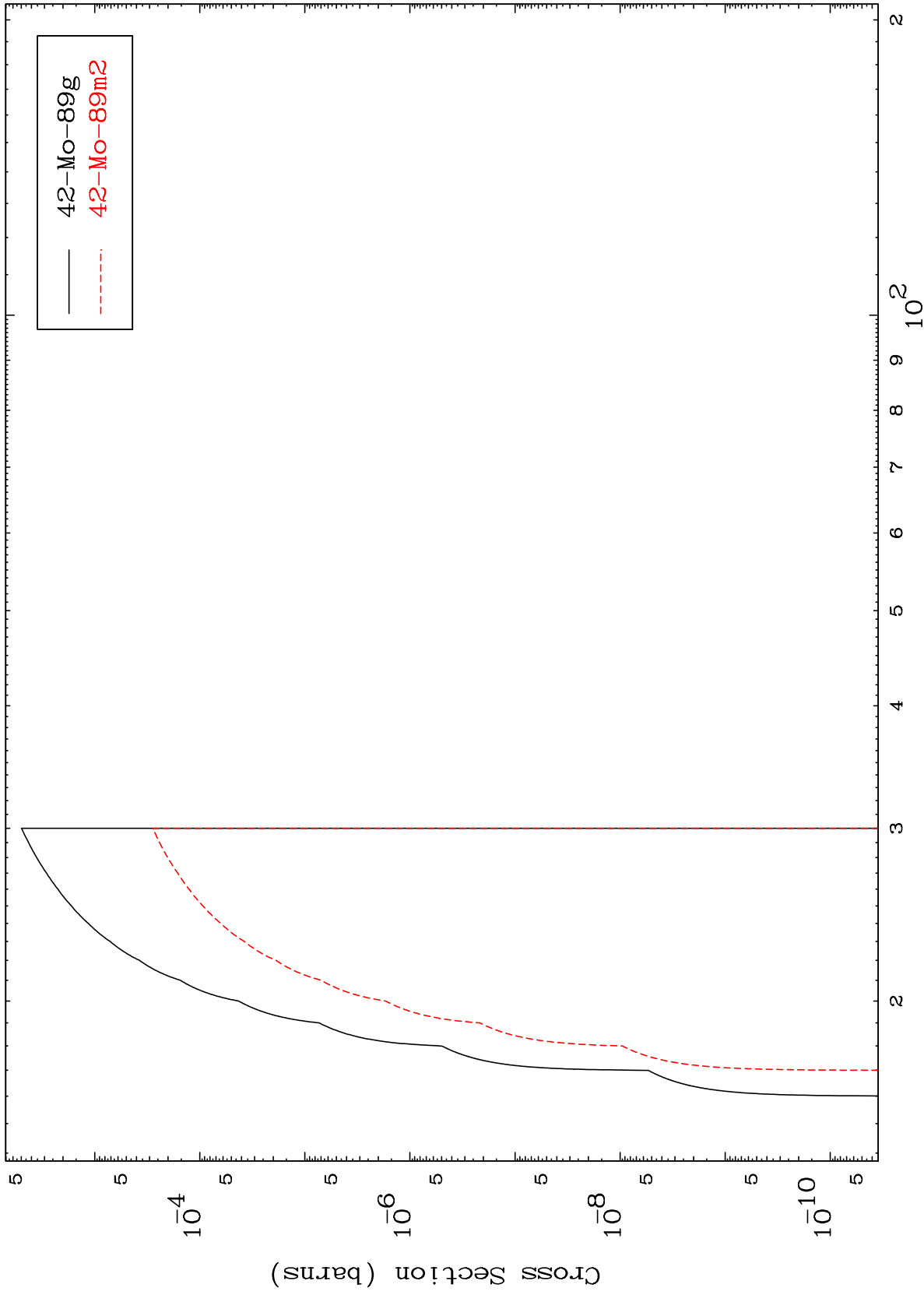
43-Tc-91

MAT 4301

(n,n') d

43-Tc-91

Radionuclide Production Cross Section



92

Incident Energy (MeV)

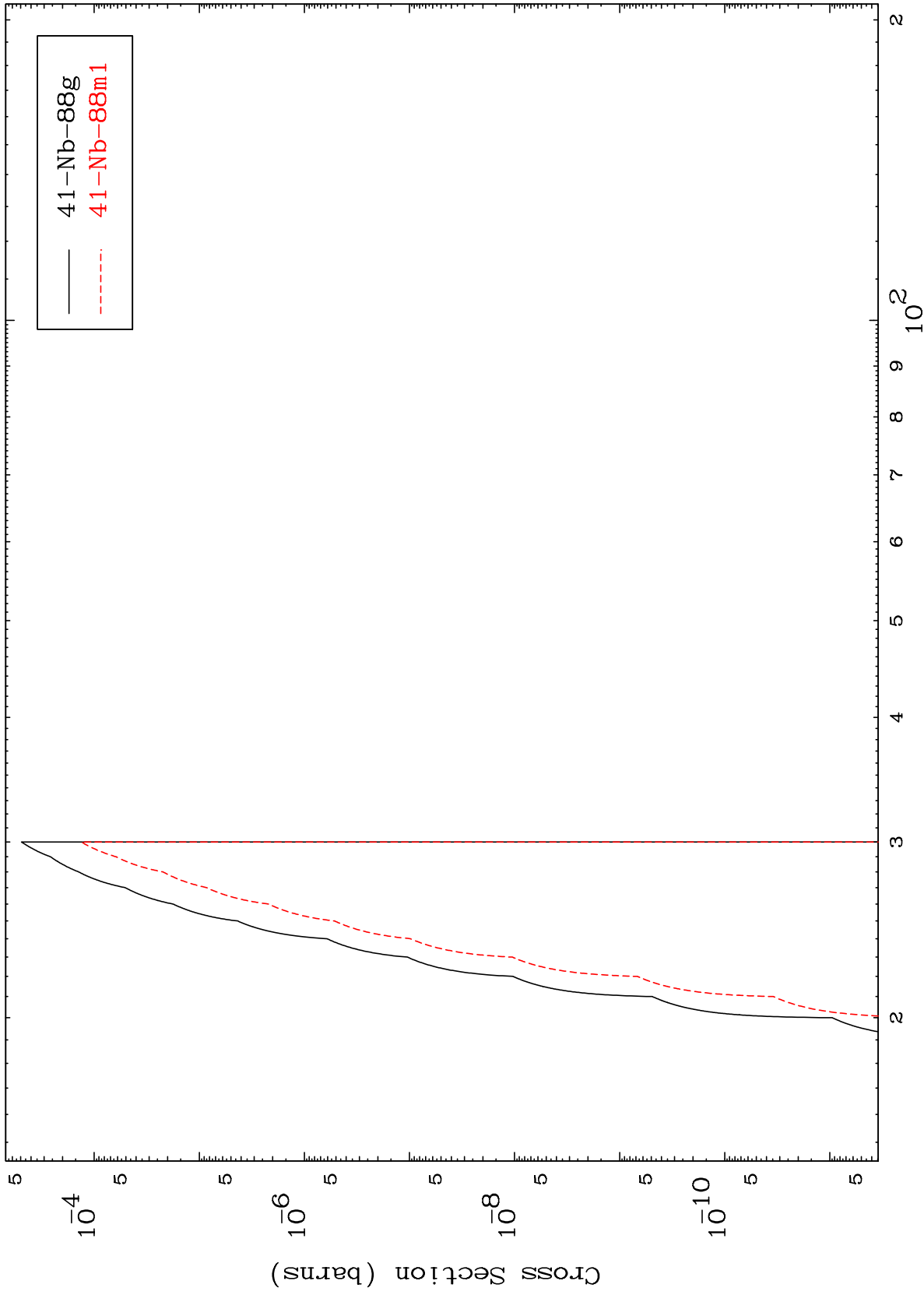
43-Tc-91

MAT 4301

(n, n') He-3

43-Tc-91

Radionuclide Production Cross Section



93

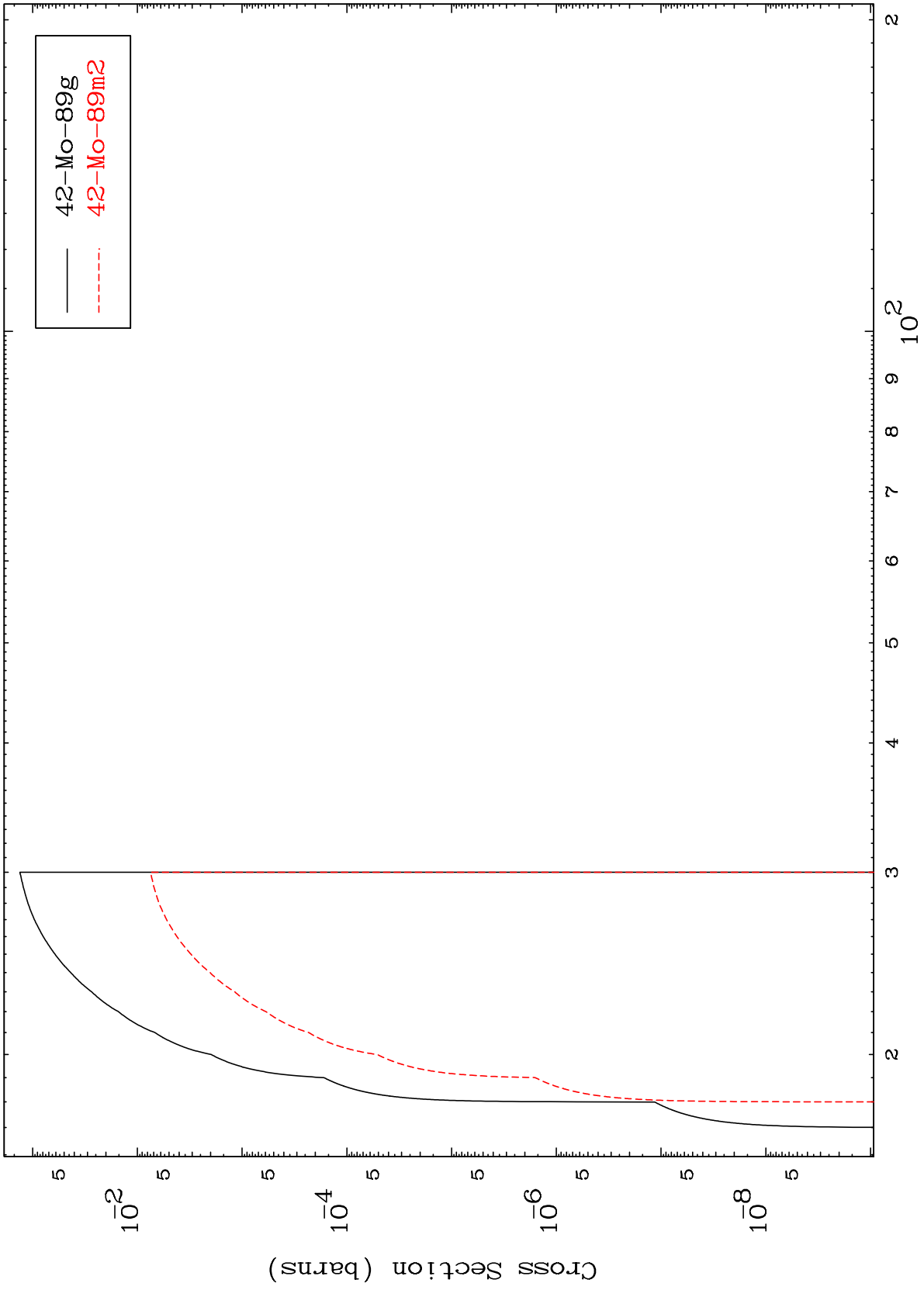
Incident Energy (MeV)

43-Tc-91

MAT 4301

43-Tc-91

(n,2n) p
Radionuclide Production Cross Section



94

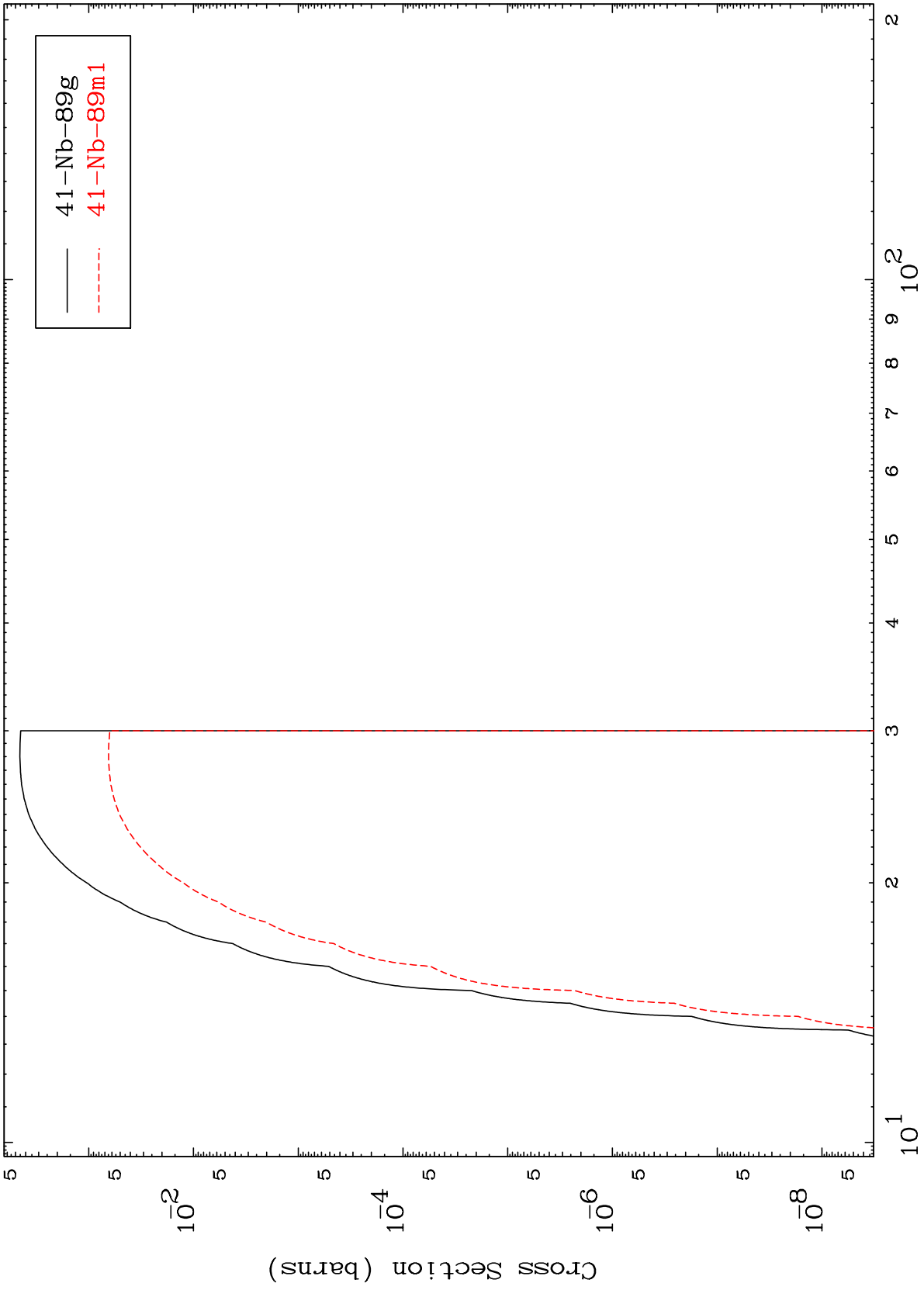
43-Tc-91

MAT 4301

(n,2n) p

43-Tc-91

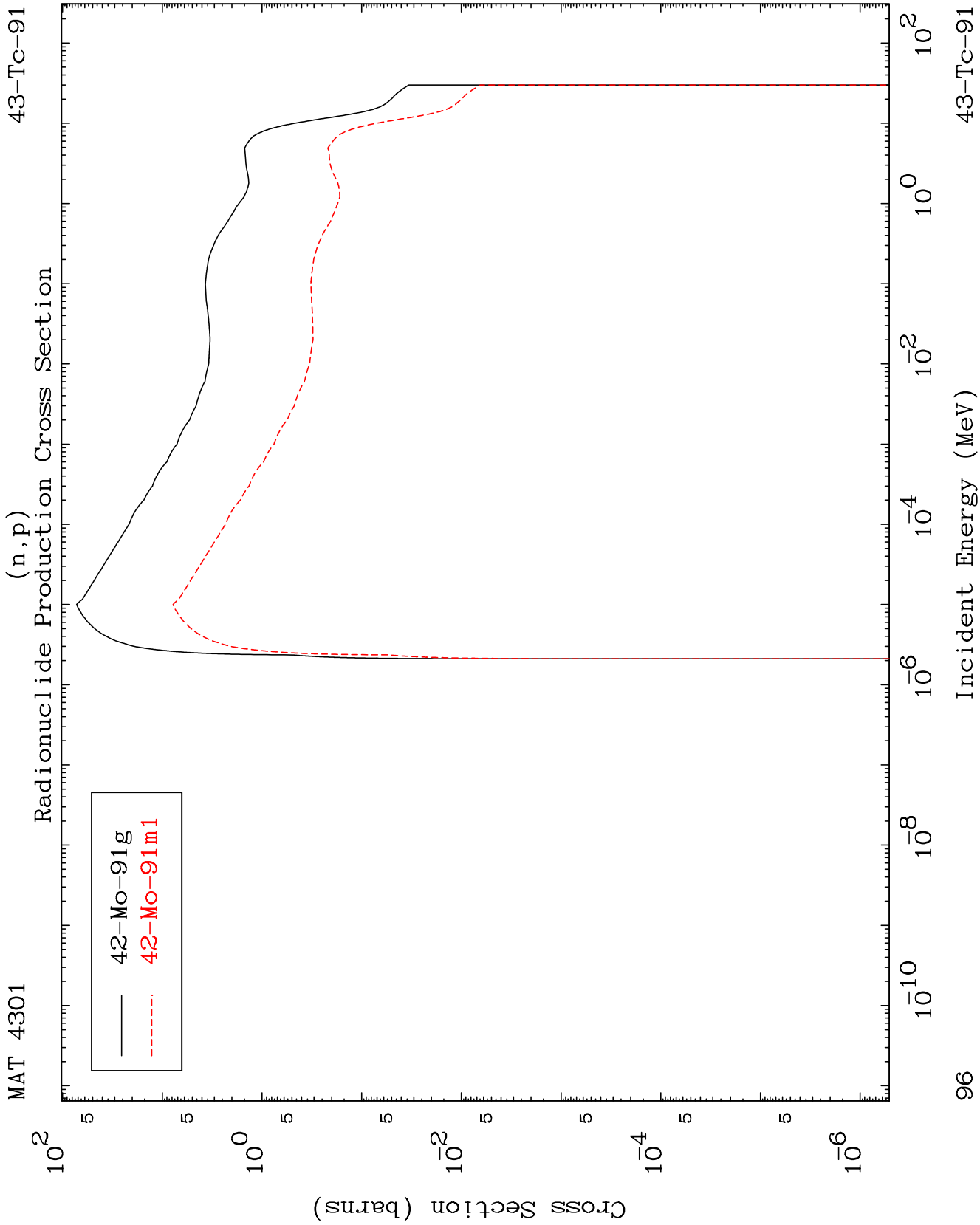
Radionuclide Production Cross Section



95

Incident Energy (MeV)

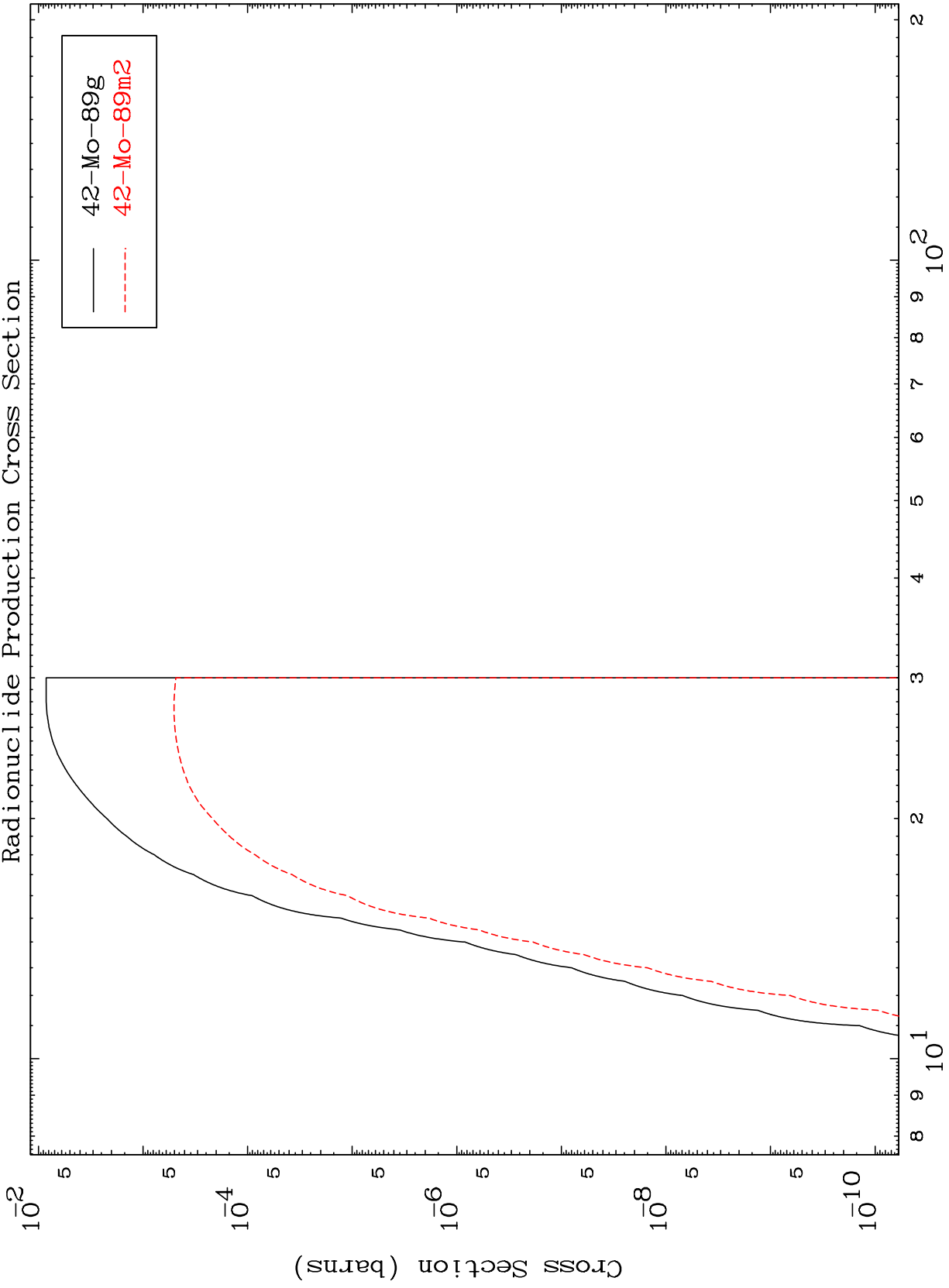
43-Tc-91



MAT 4301

43-Tc-91

(n, t)
Radionuclide Production Cross Section



97

Incident Energy (MeV)

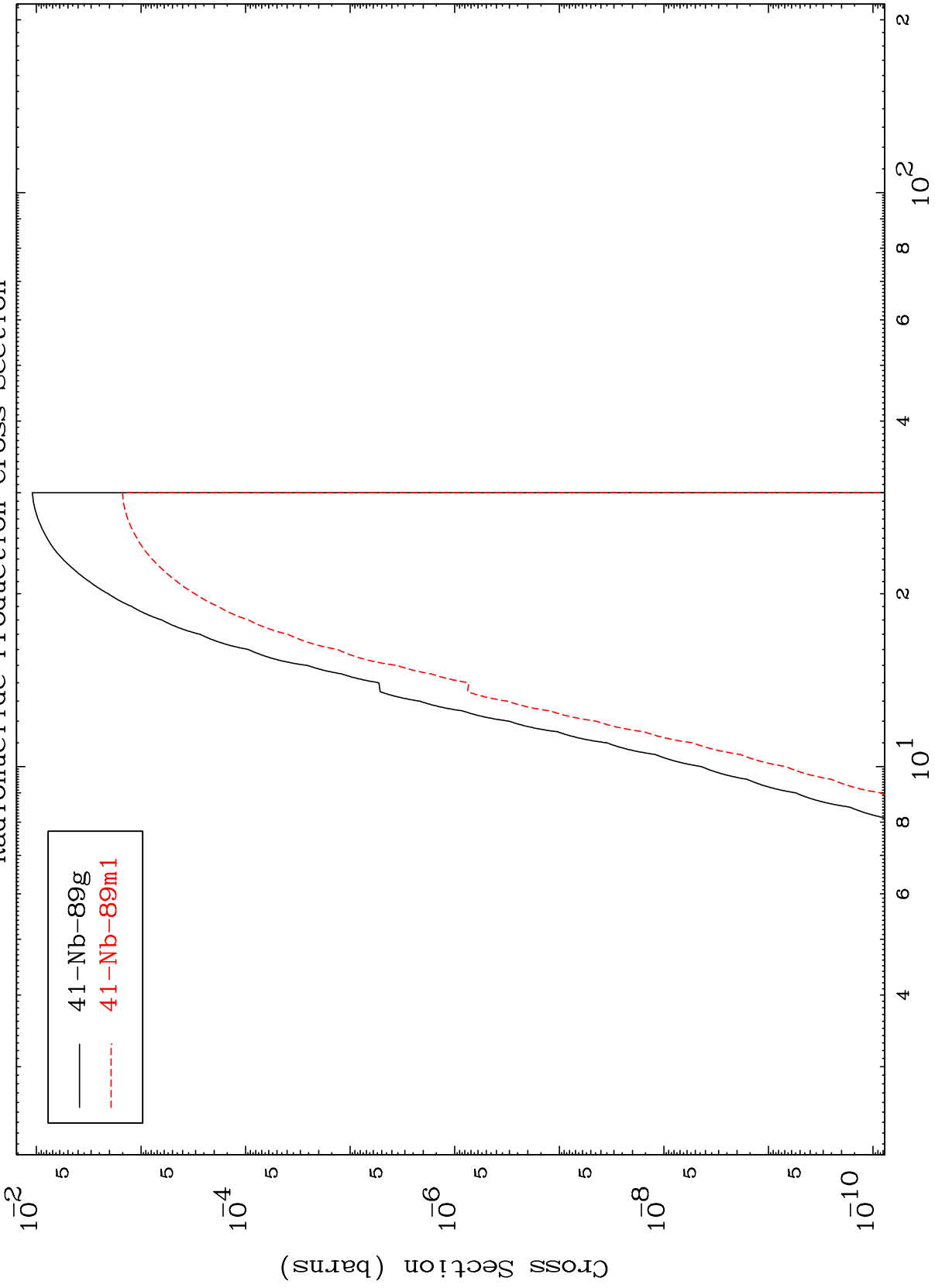
43-Tc-91

MAT 4301

(n, He-3)

43-Tc-91

Radionuclide Production Cross Section



41-Nb-89g
41-Nb-89m1

98

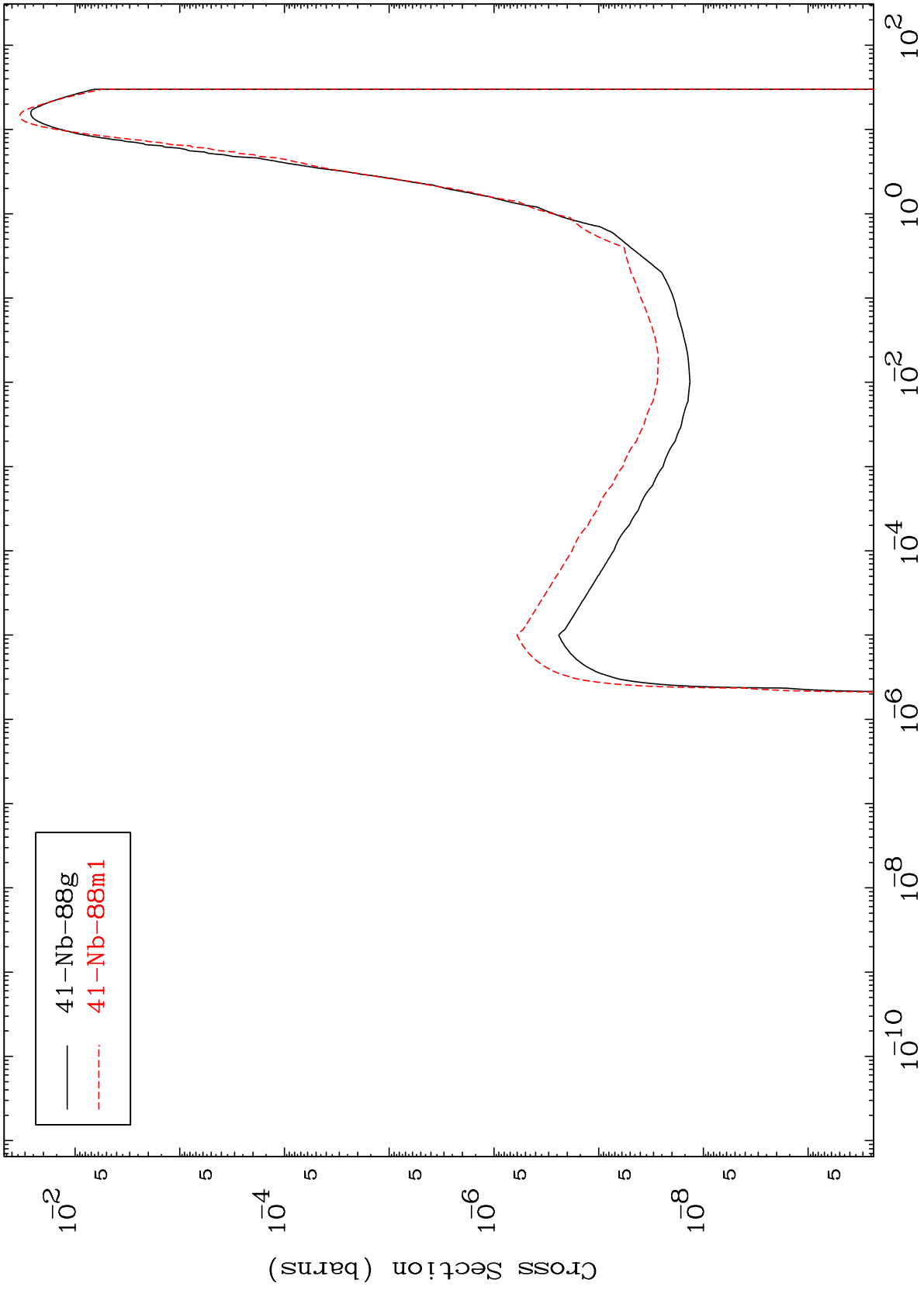
Incident Energy (MeV)

43-Tc-91

MAT 4301

(n, α)
Radionuclide Production Cross Section

43-Tc-91



99

Incident Energy (MeV)

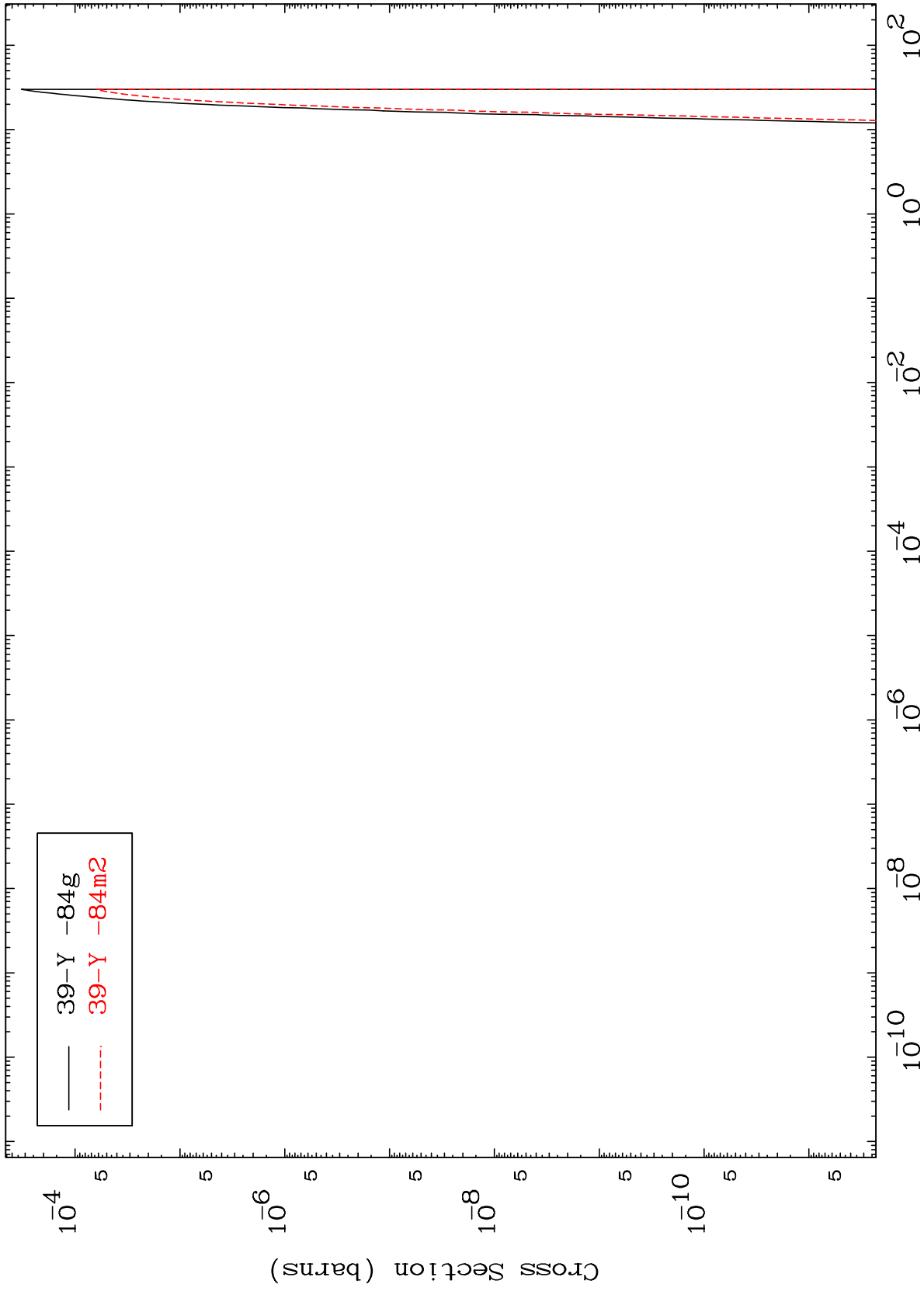
43-Tc-91

MAT 4301

(n,2α)

43-Tc-91

Radionuclide Production Cross Section

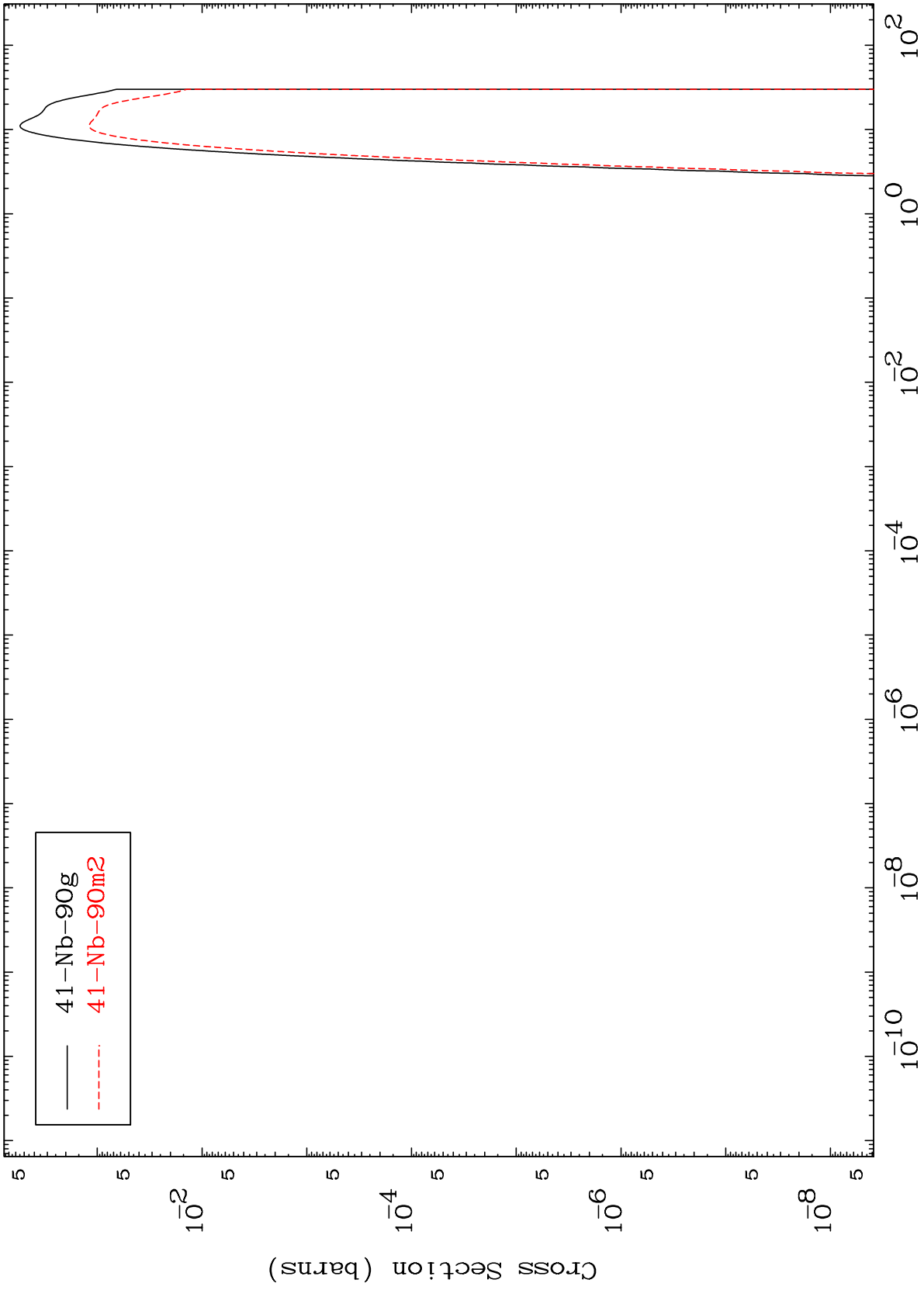


— 39-Y -84g
- - - 39-Y -84m2

MAT 4301

(n,2p)
Radionuclide Production Cross Section

43-Tc-91



— 41-Nb-90g
- - - 41-Nb-90m2

101

Incident Energy (MeV)

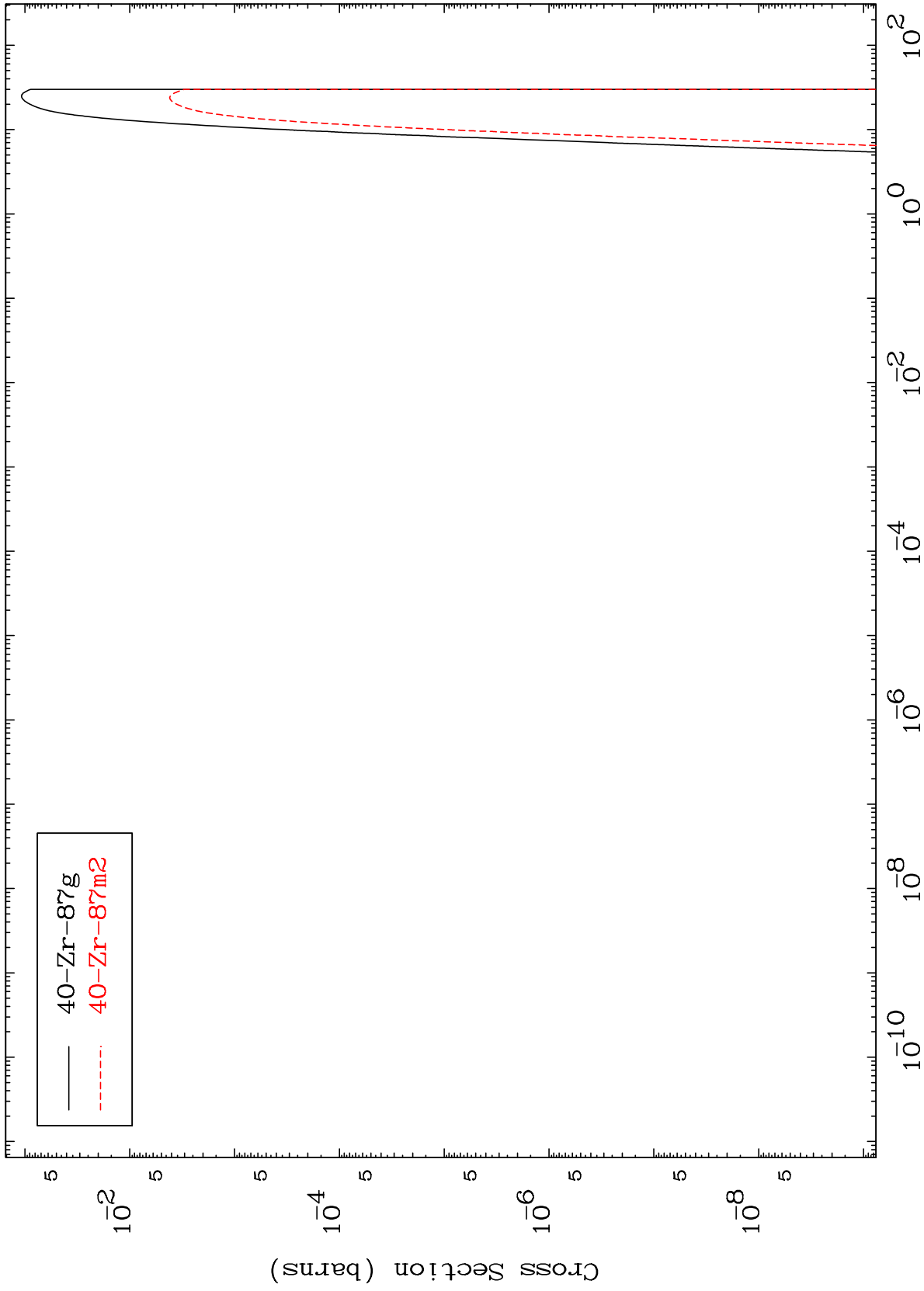
43-Tc-91

MAT 4301

(n,p) α

43-Tc-91

Radionuclide Production Cross Section



102

Incident Energy (MeV)

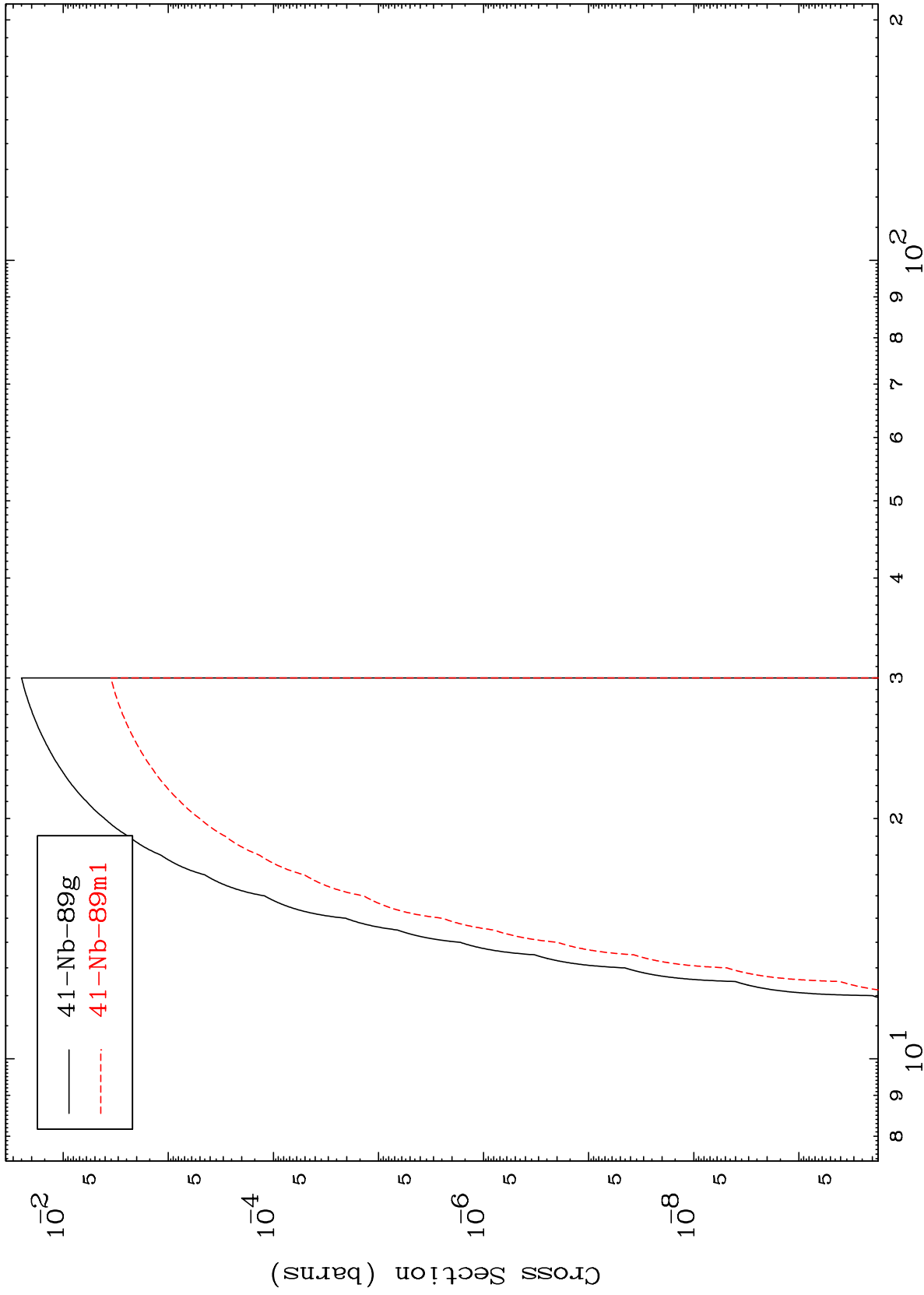
43-Tc-91

MAT 4301

(n,p) d

43-Tc-91

Radionuclide Production Cross Section



103

Incident Energy (MeV)

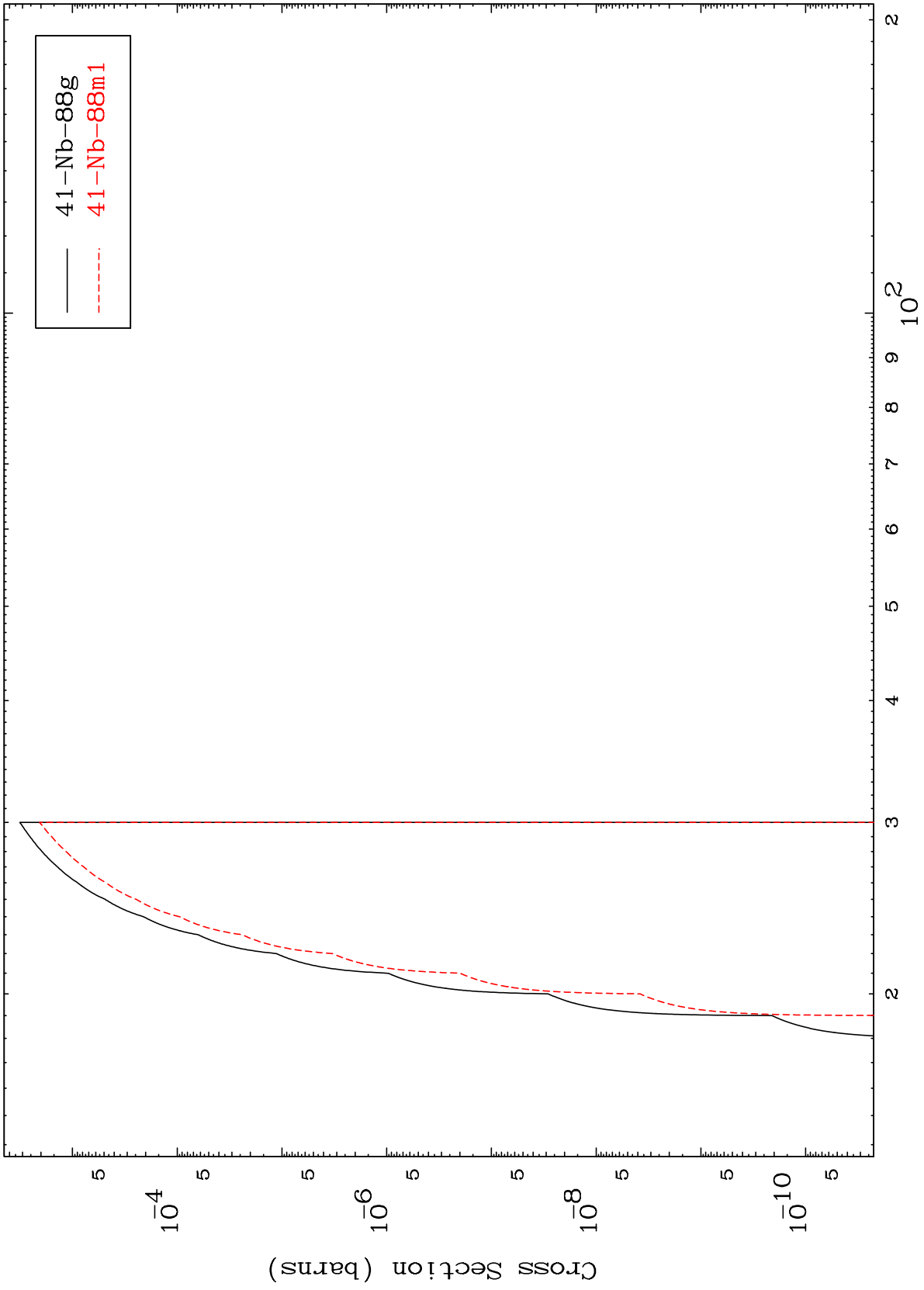
43-Tc-91

MAT 4301

(n,p) t

43-Tc-91

Radionuclide Production Cross Section



104

Incident Energy (MeV)

43-Tc-91