

Program EVALPLOT
(Version 2018-1)

by

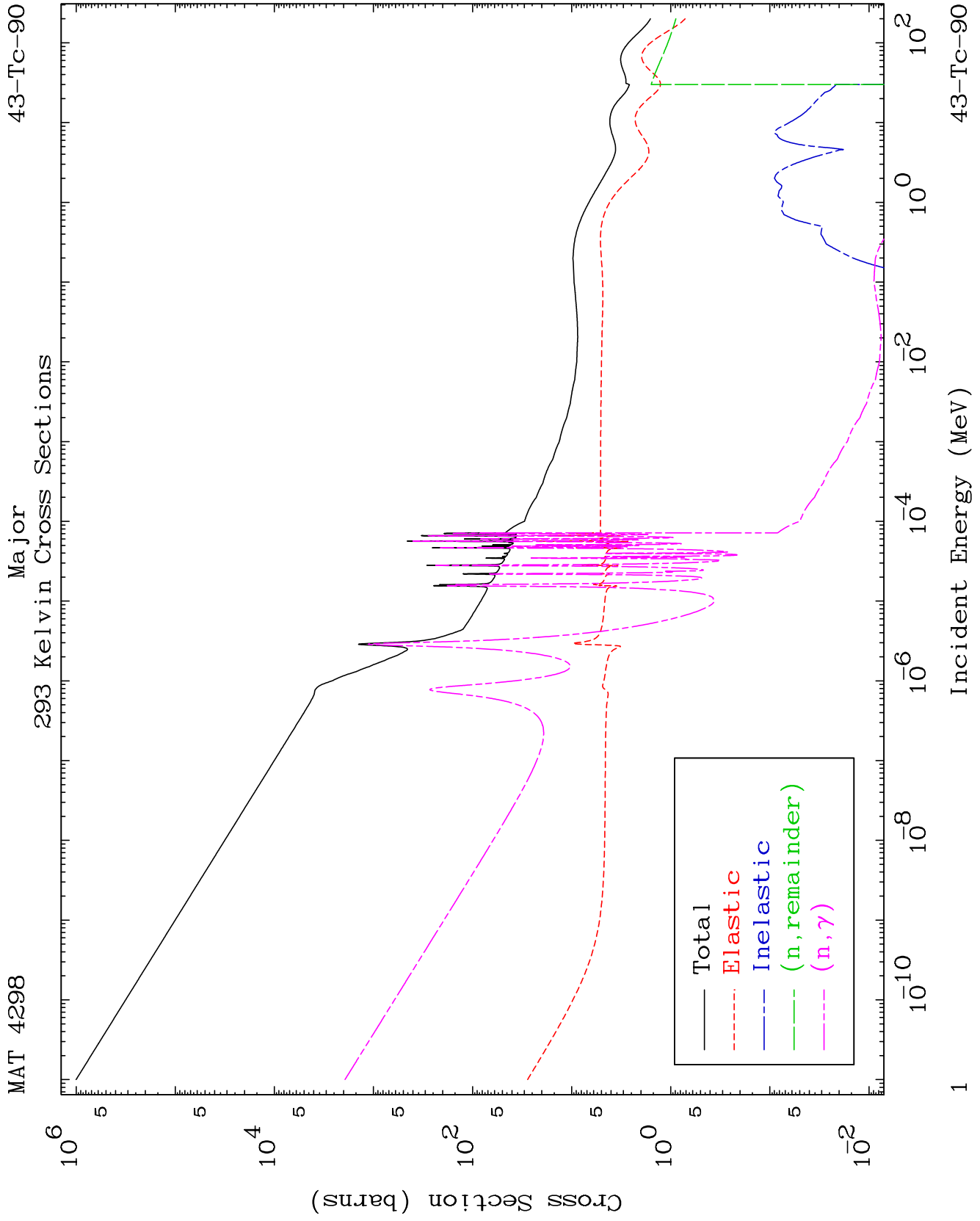
Dermott E. Cullen
(Present Contact Information)

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E.Mail:redcullen1@comcast.net
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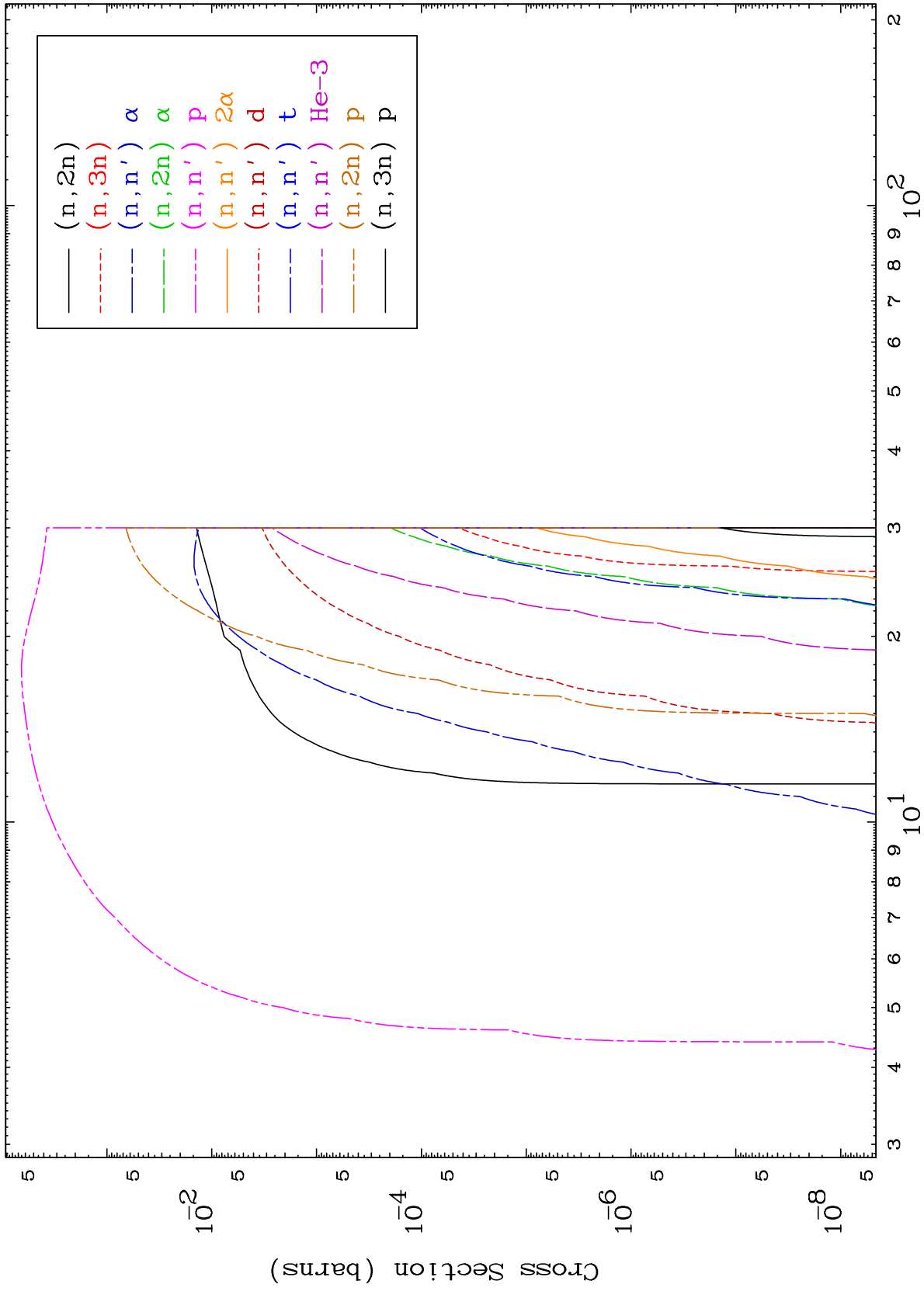
Press Mouse Button to Start



MAT 4298

Neutron Production 293 Kelvin Cross Sections

43-Tc-90



2

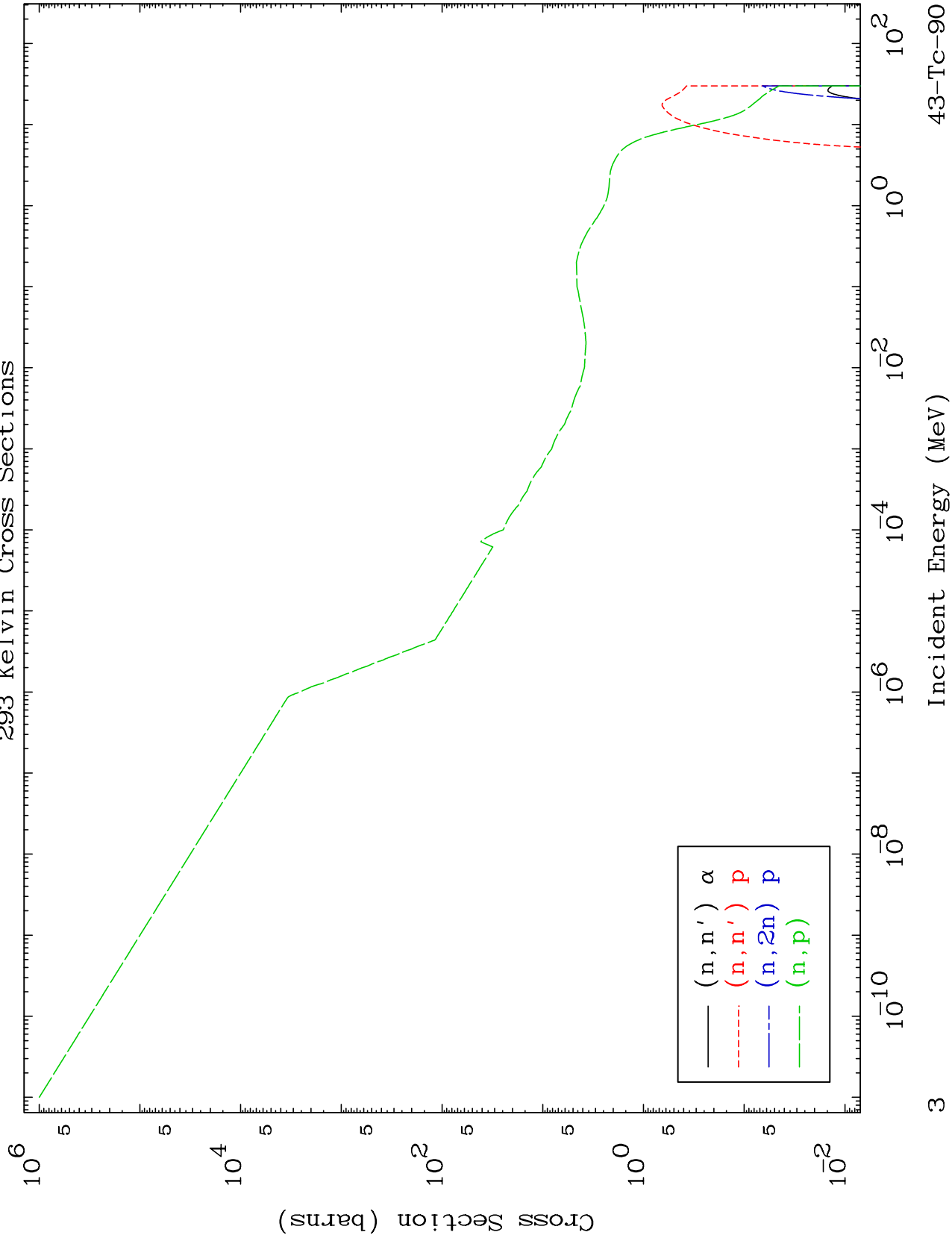
Incident Energy (MeV)

43-Tc-90

MAT 4298

Charged Particle
293 Kelvin Cross Sections

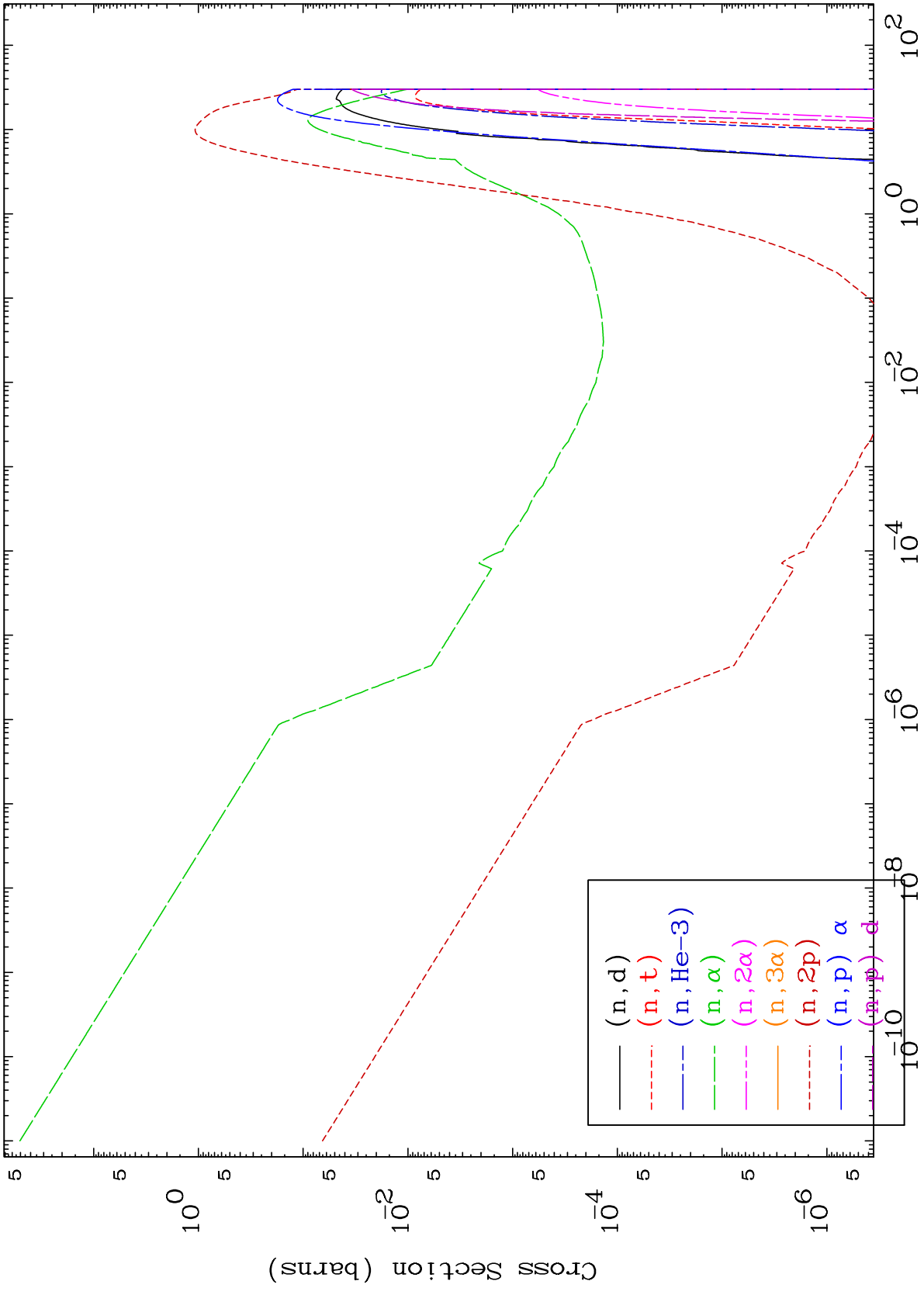
43-Tc-90



MAT 4298

Charged Particle
293 Kelvin Cross Sections

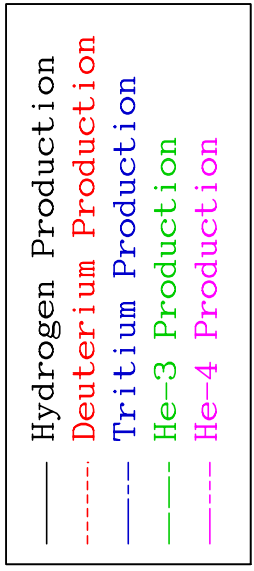
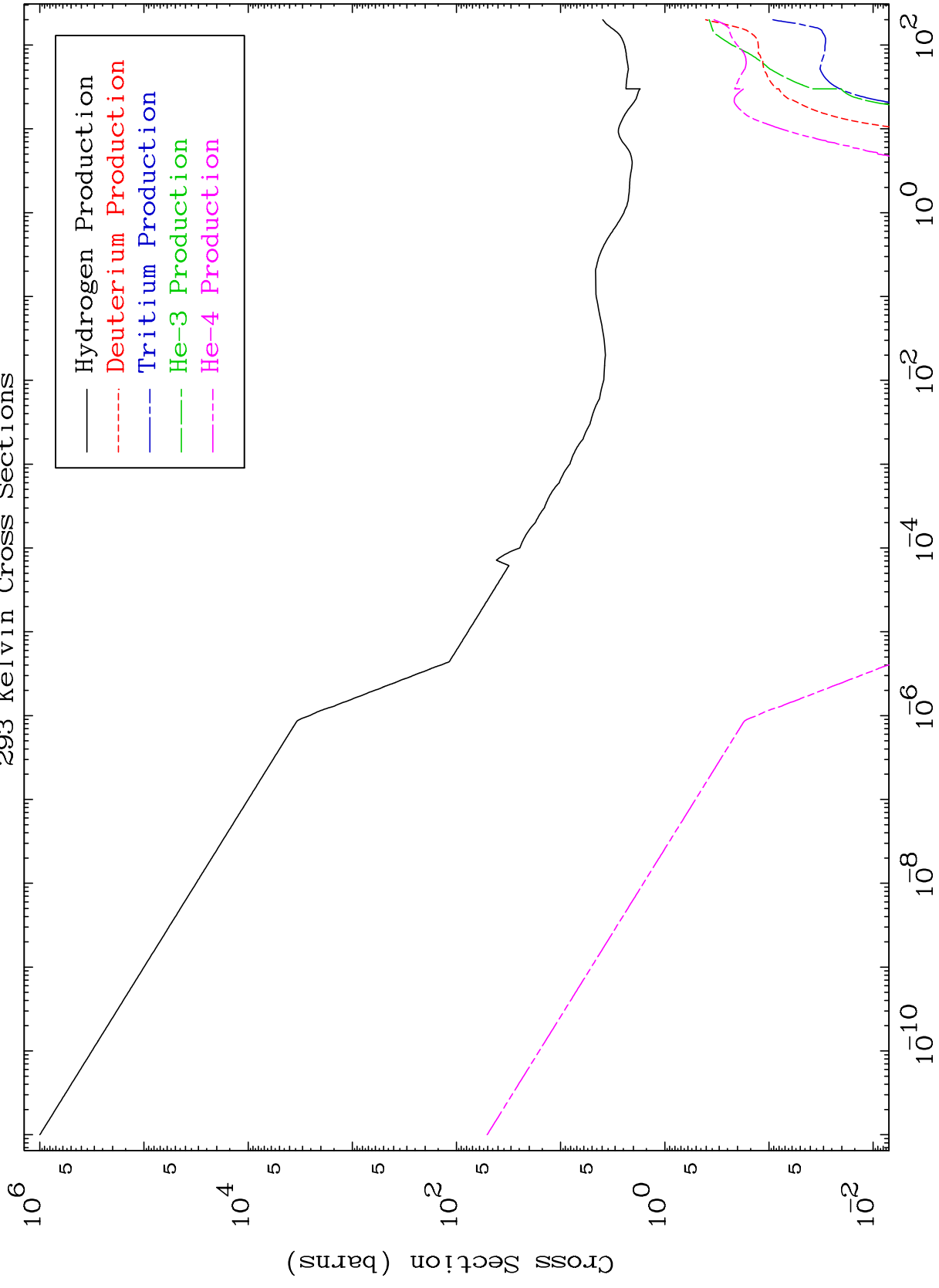
43-Tc-90



MAT 4298

Particle Production
293 Kelvin Cross Sections

43-Tc-90



5

Incident Energy (MeV)

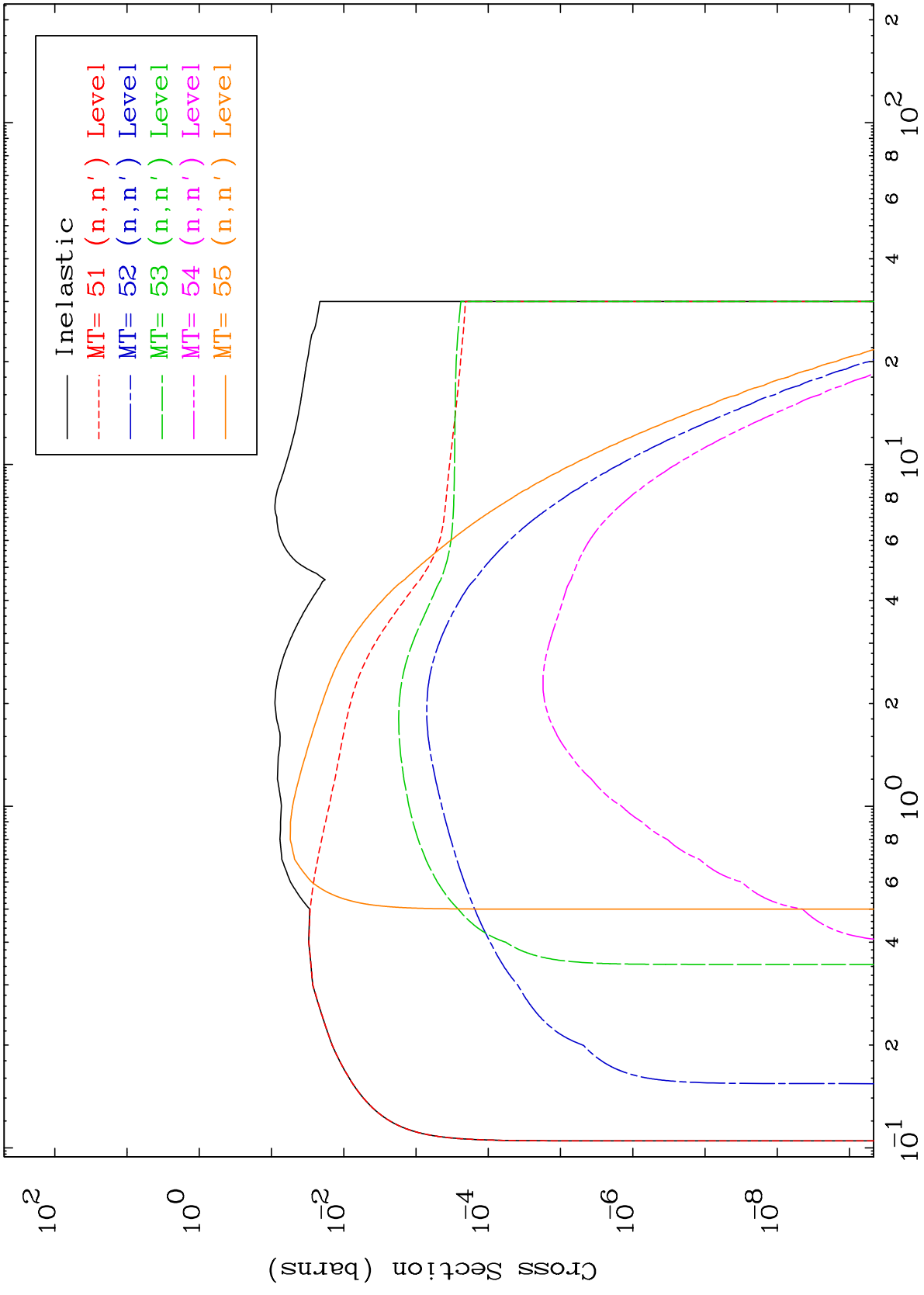
43-Tc-90

MAT 4298

(n,n') Level

43-Tc-90

293 Kelvin Cross Sections



Incident Energy (MeV)

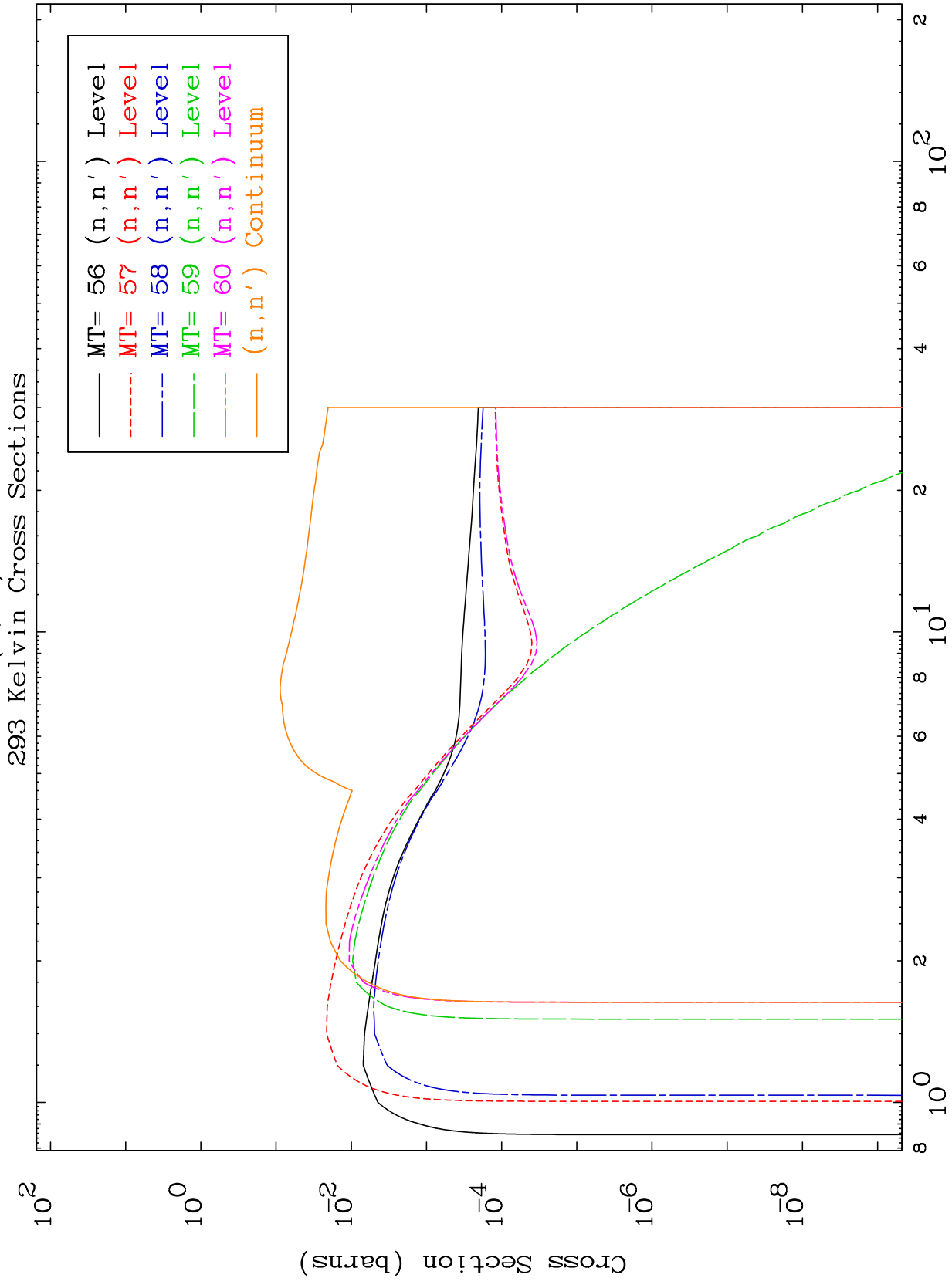
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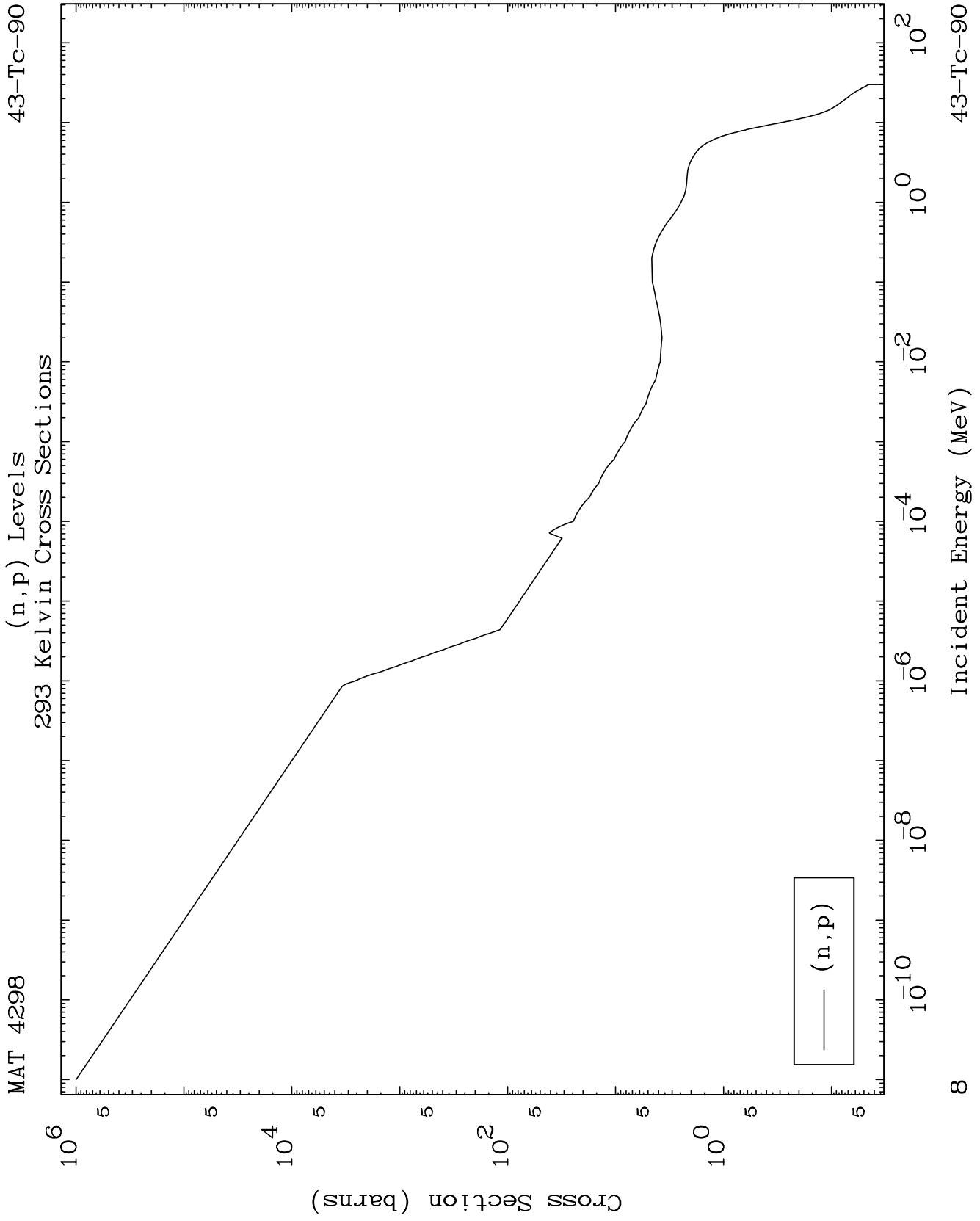
6

MAT 4298

(n,n') Level

43-Tc-90

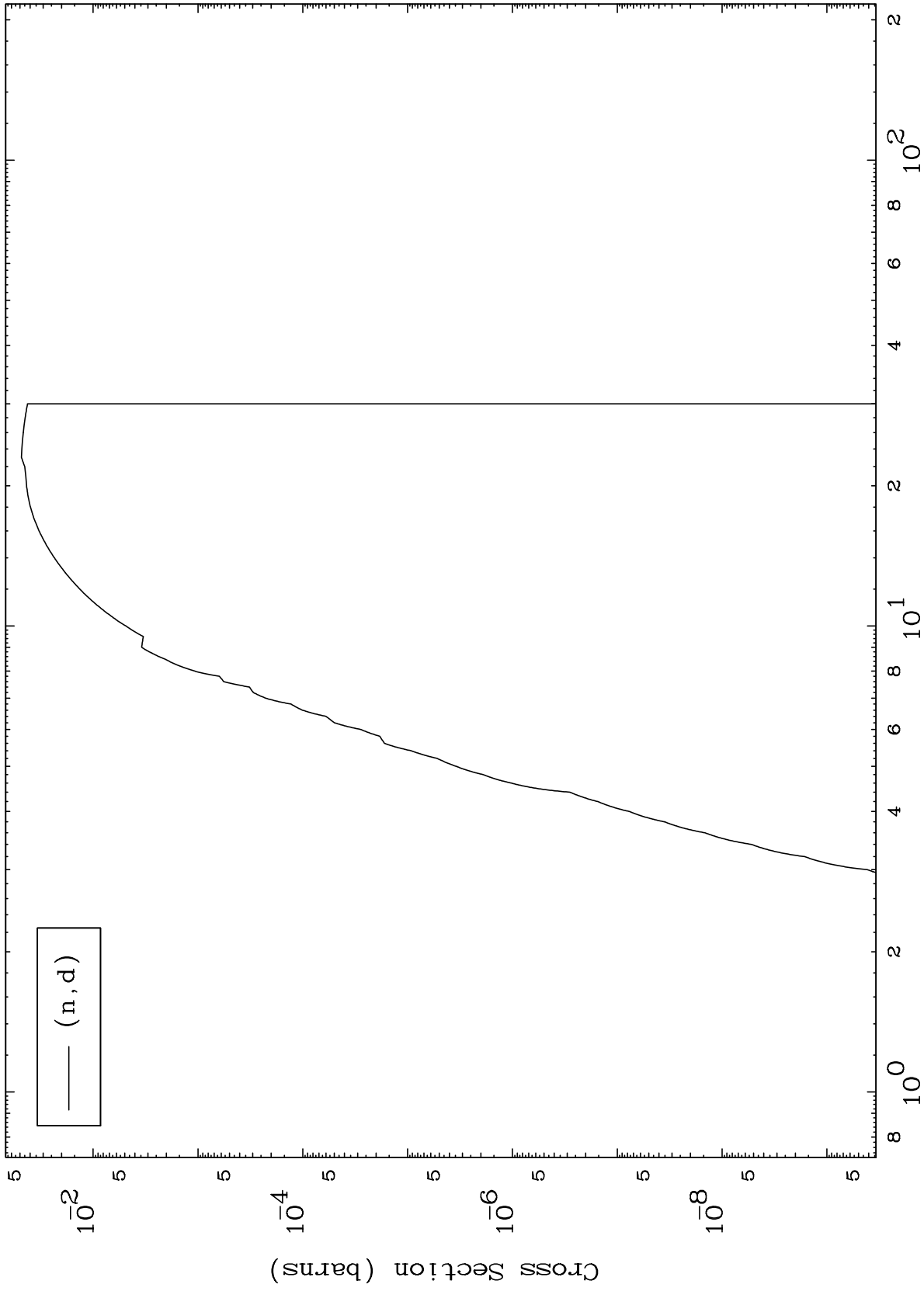




MAT 4298

(n,d) Levels
293 Kelvin Cross Sections

43-Tc-90



9

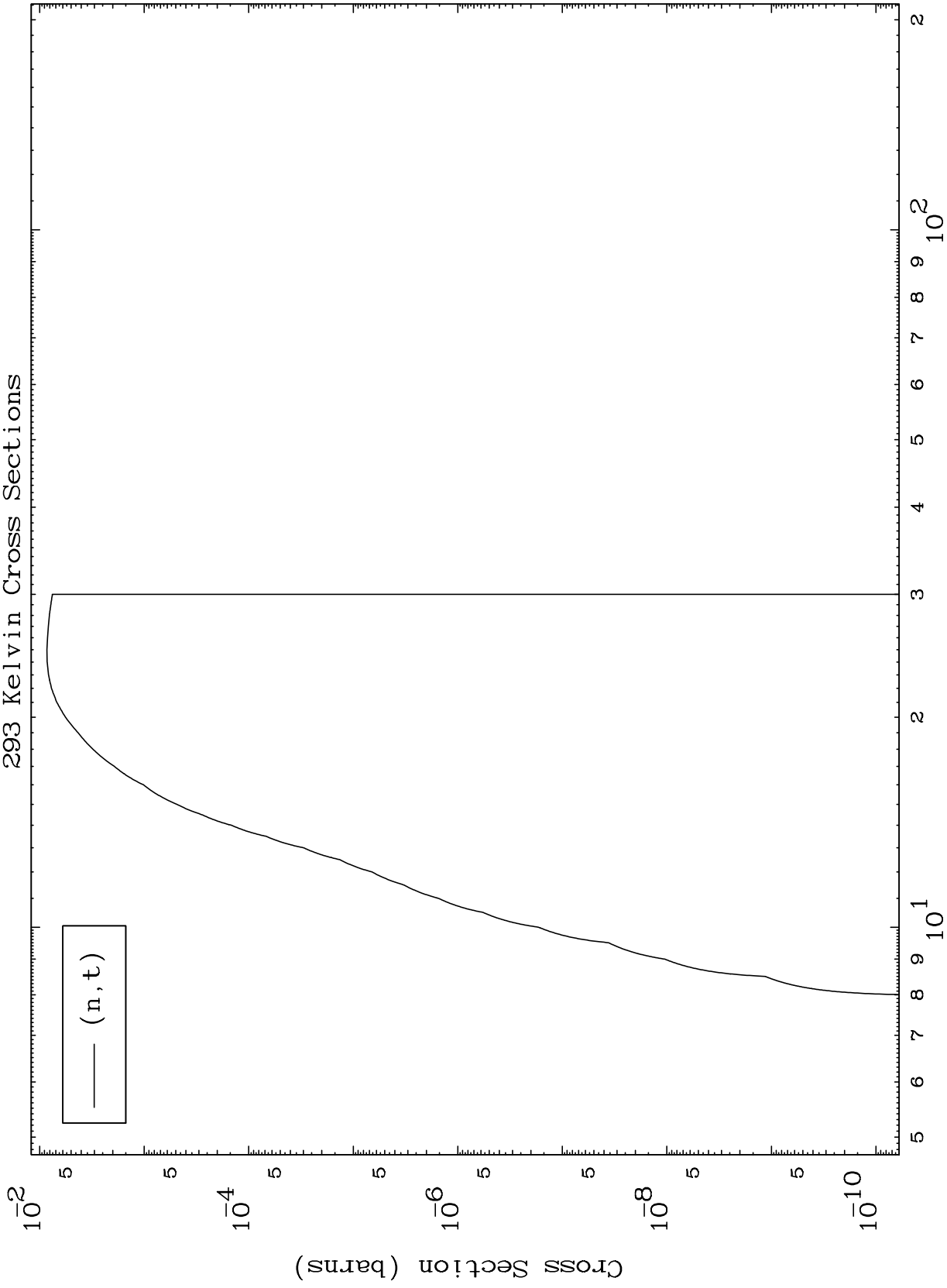
Incident Energy (MeV)

43-Tc-90

MAT 4298

(n,t) Levels
293 Kelvin Cross Sections

43-Tc-90



10

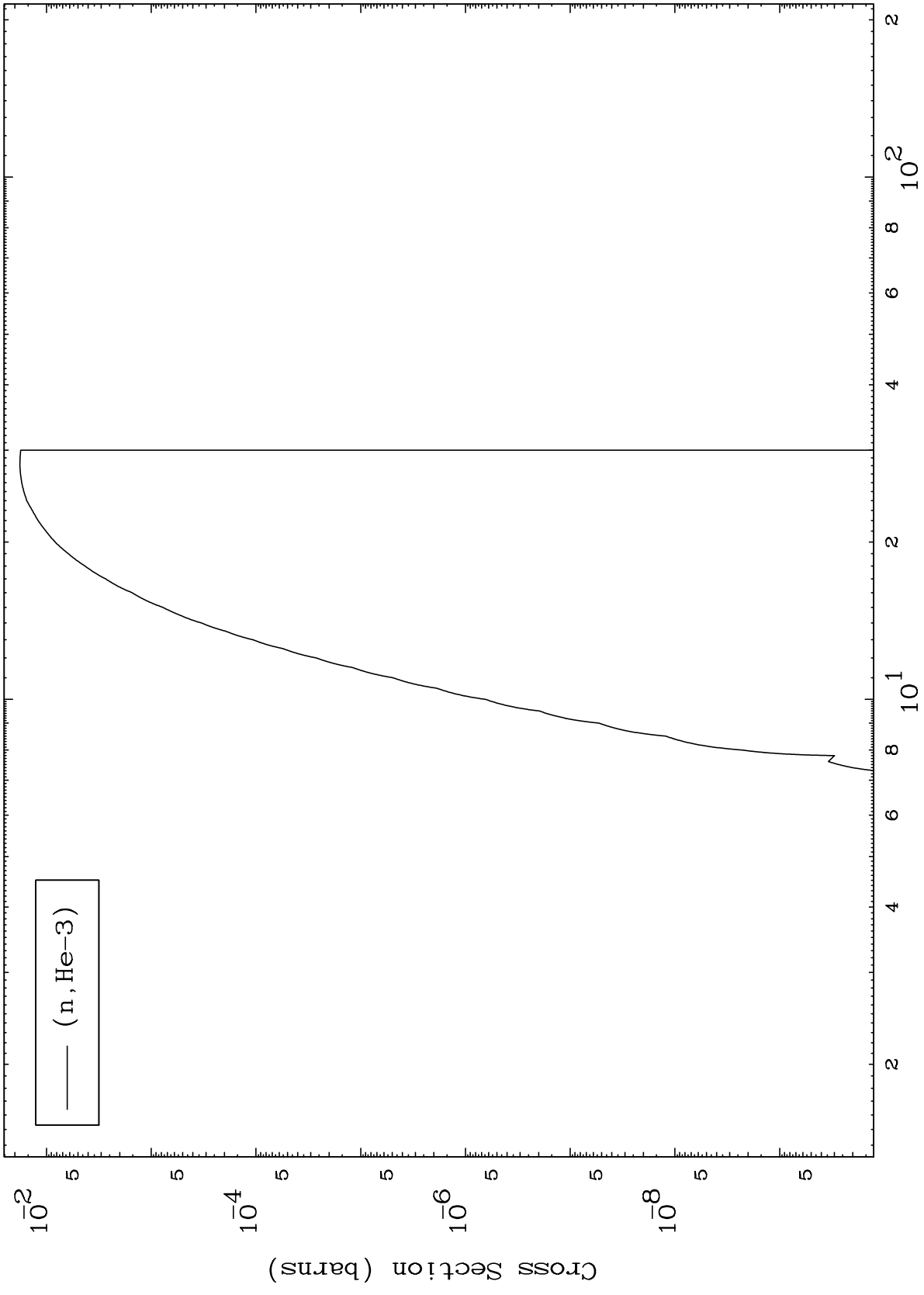
Incident Energy (MeV)

43-Tc-90

MAT 4298

(n,He3) Levels
293 Kelvin Cross Sections

43-Tc-90



11

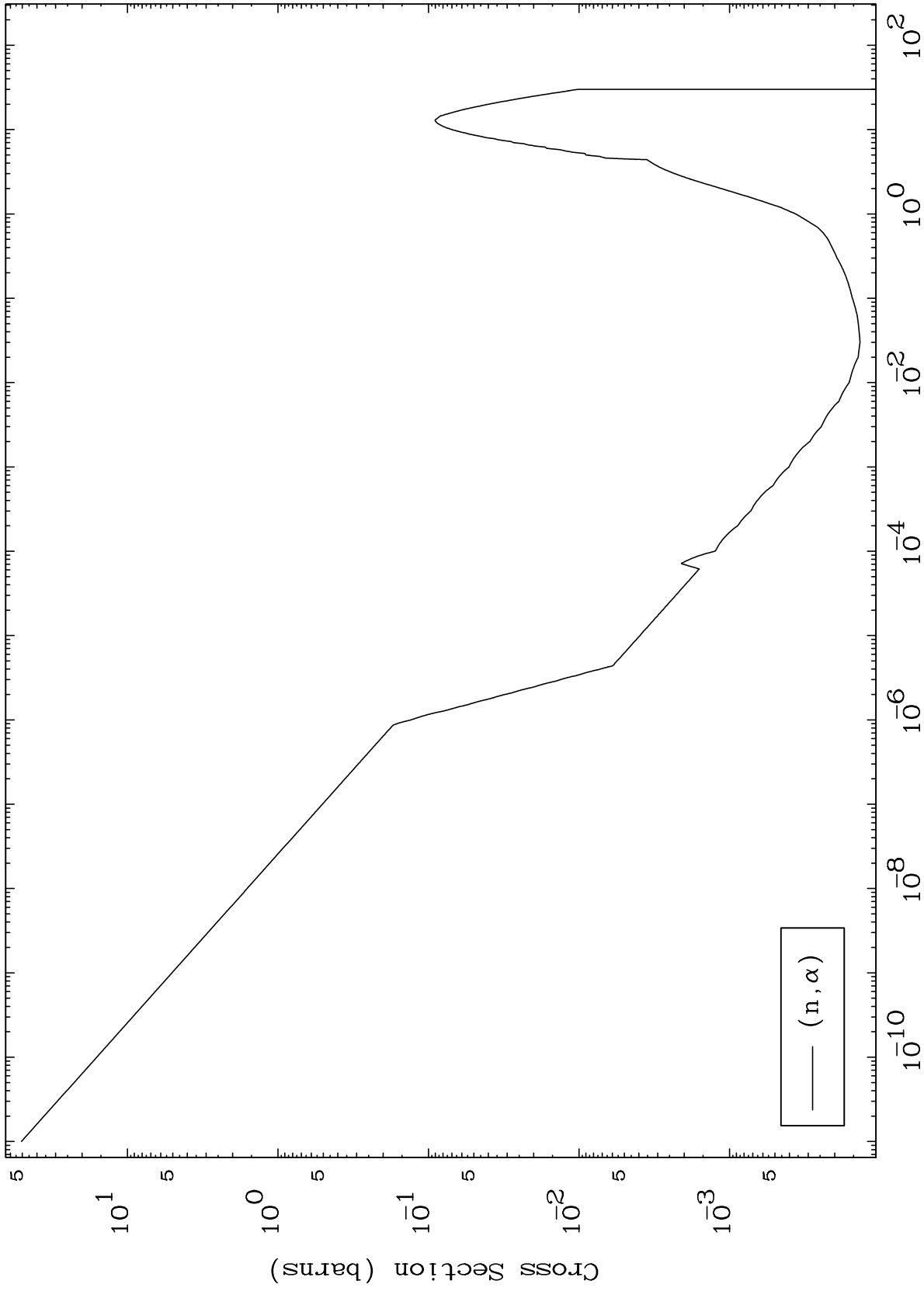
Incident Energy (MeV)

43-Tc-90

MAT 4298

(n, α) Levels
293 Kelvin Cross Sections

43-Tc-90

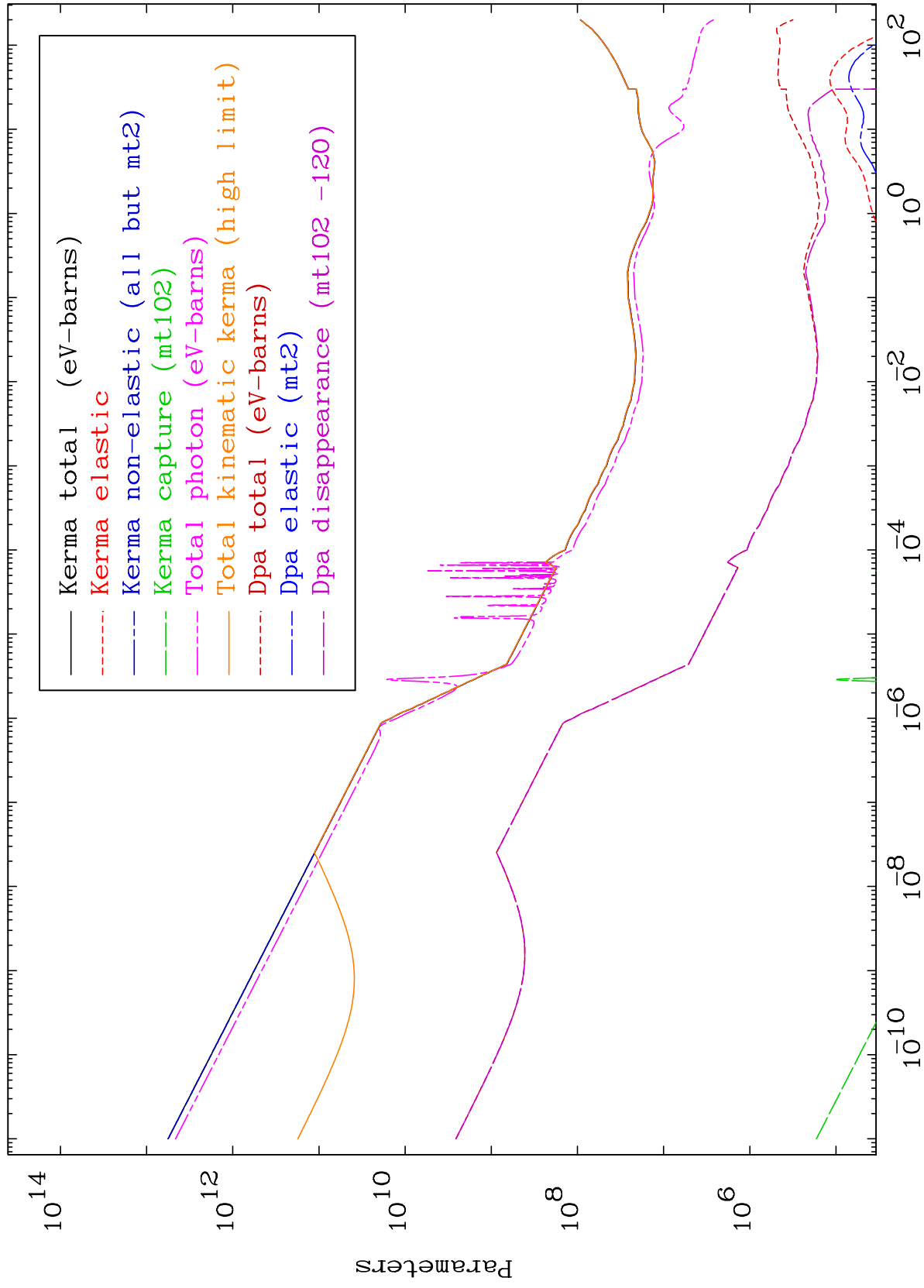


12

Incident Energy (MeV)

43-Tc-90

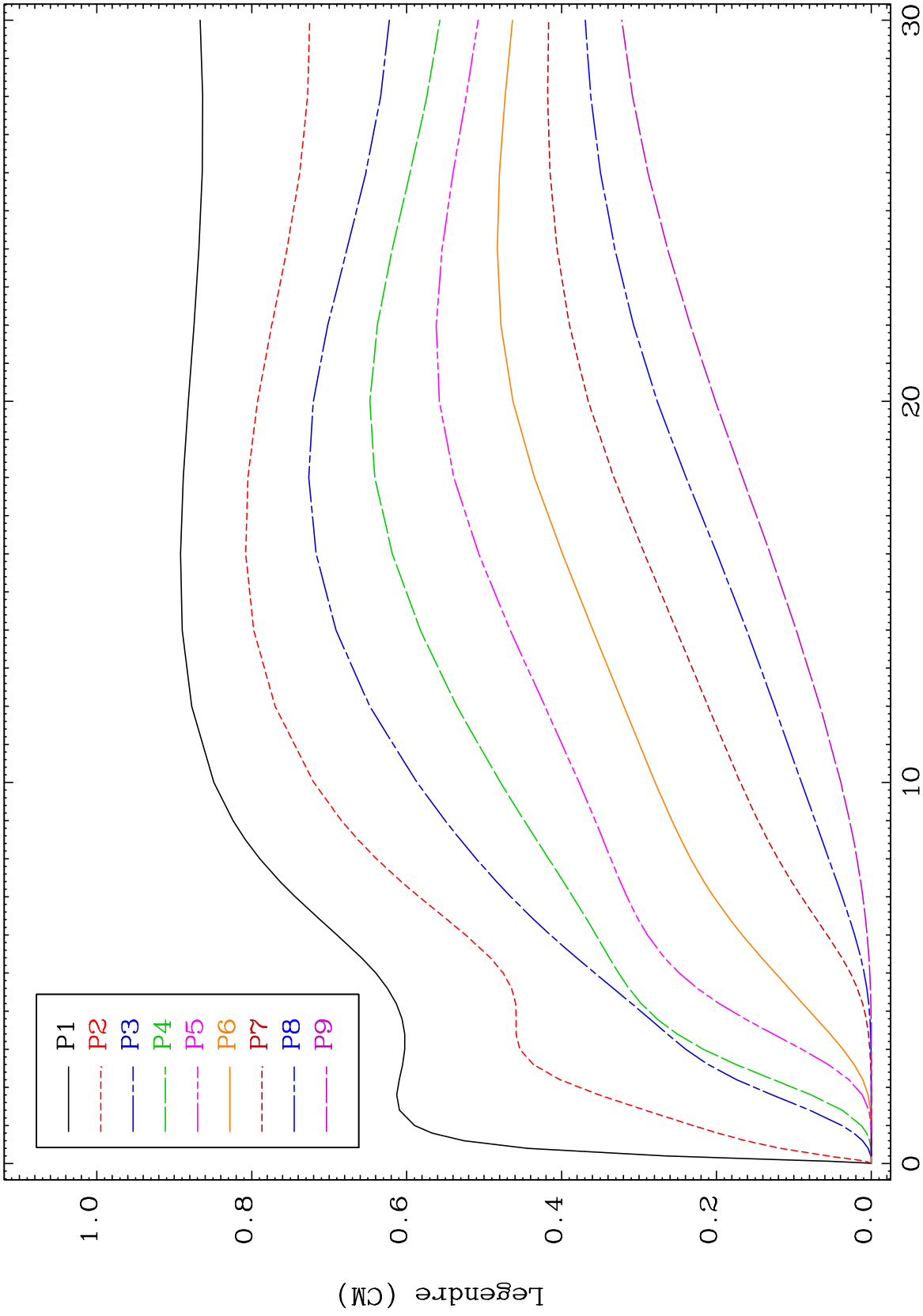
— (n, α)



MAT 4298

Elastic Legendre Coefficients

43-Tc-90



14

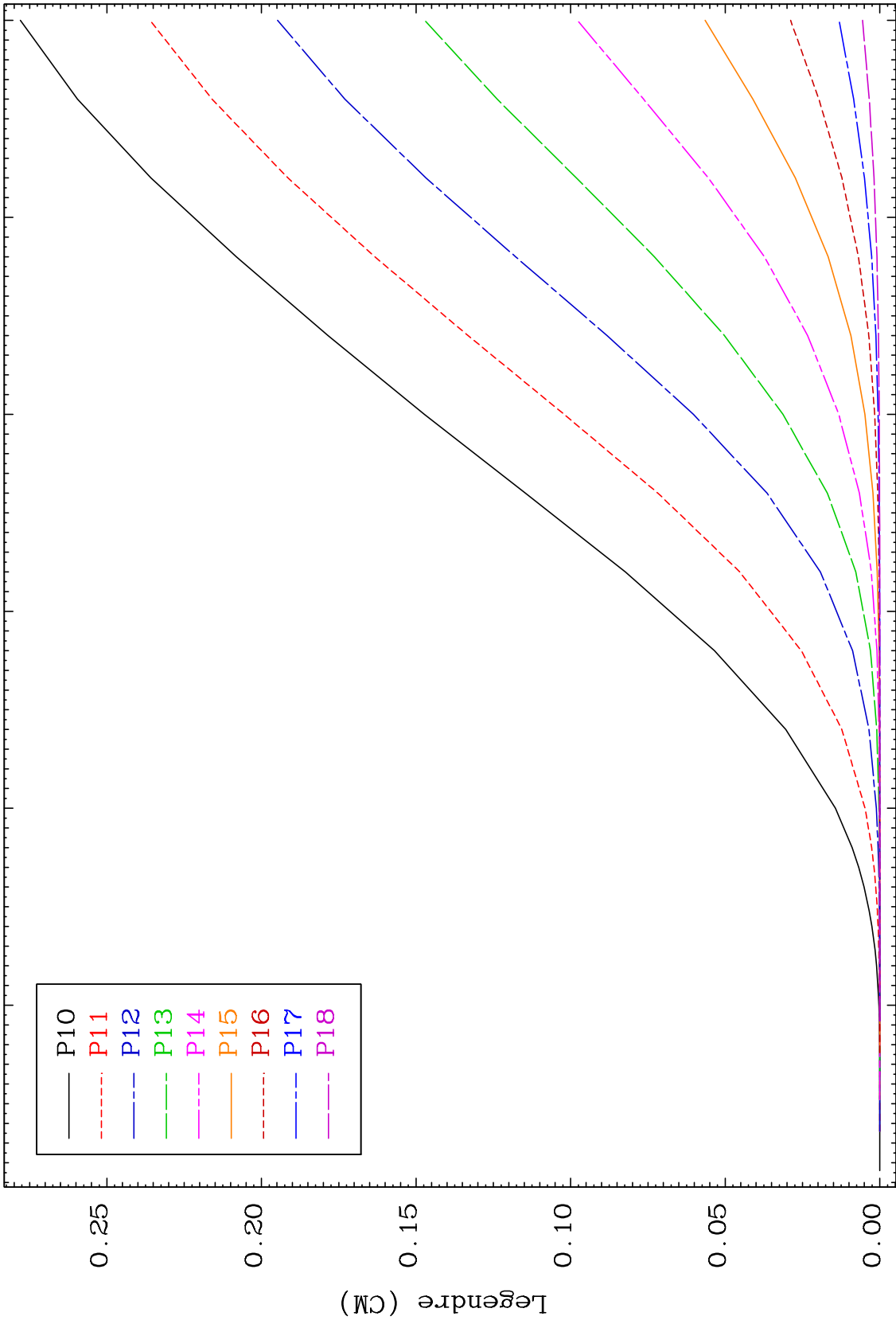
Incident Energy (MeV)

43-Tc-90

MAT 4298

Elastic Legendre Coefficients

43-Tc-90



15

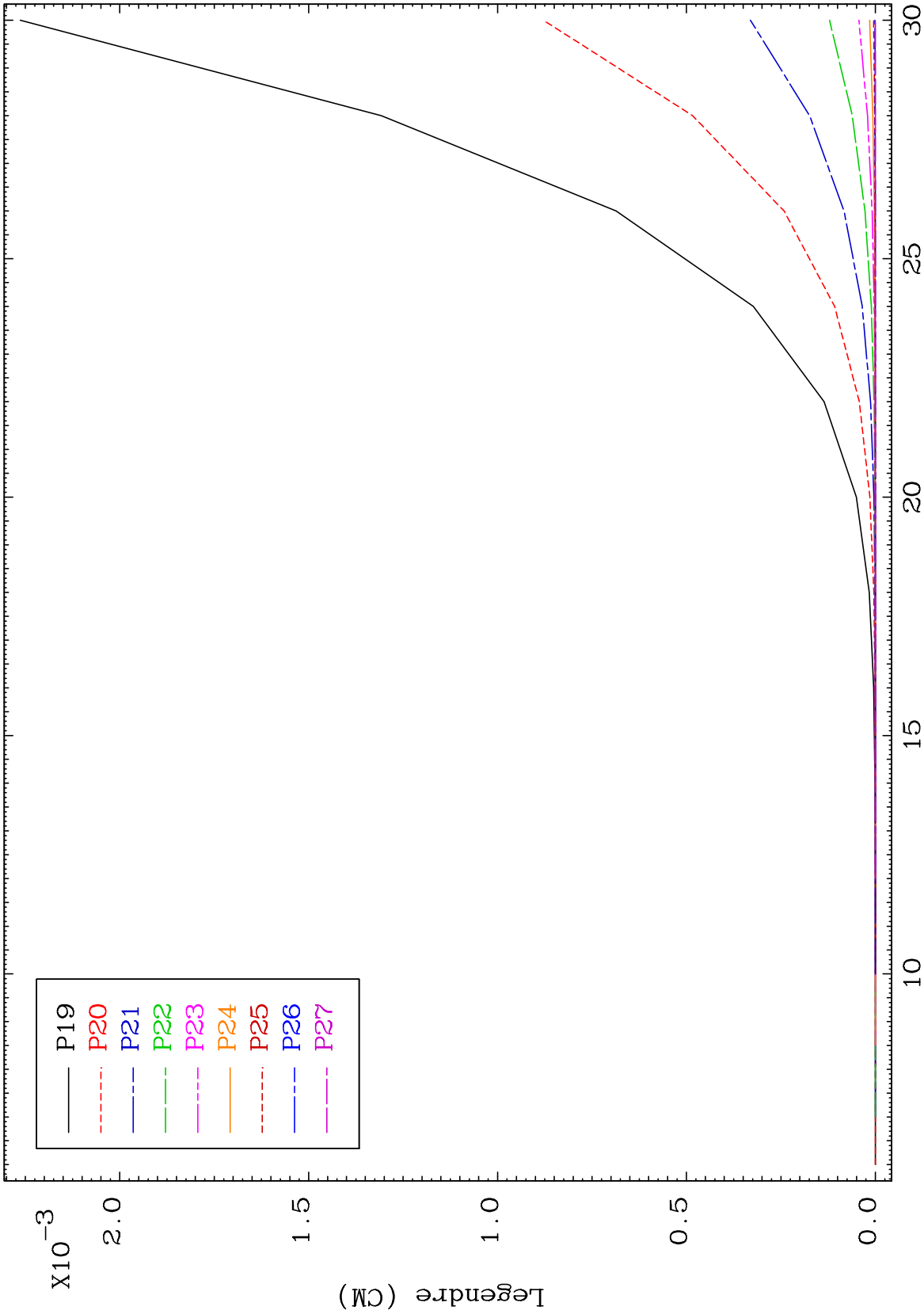
Incident Energy (MeV)

43-Tc-90

MAT 4298

Elastic Legendre Coefficients

43-Tc-90



16

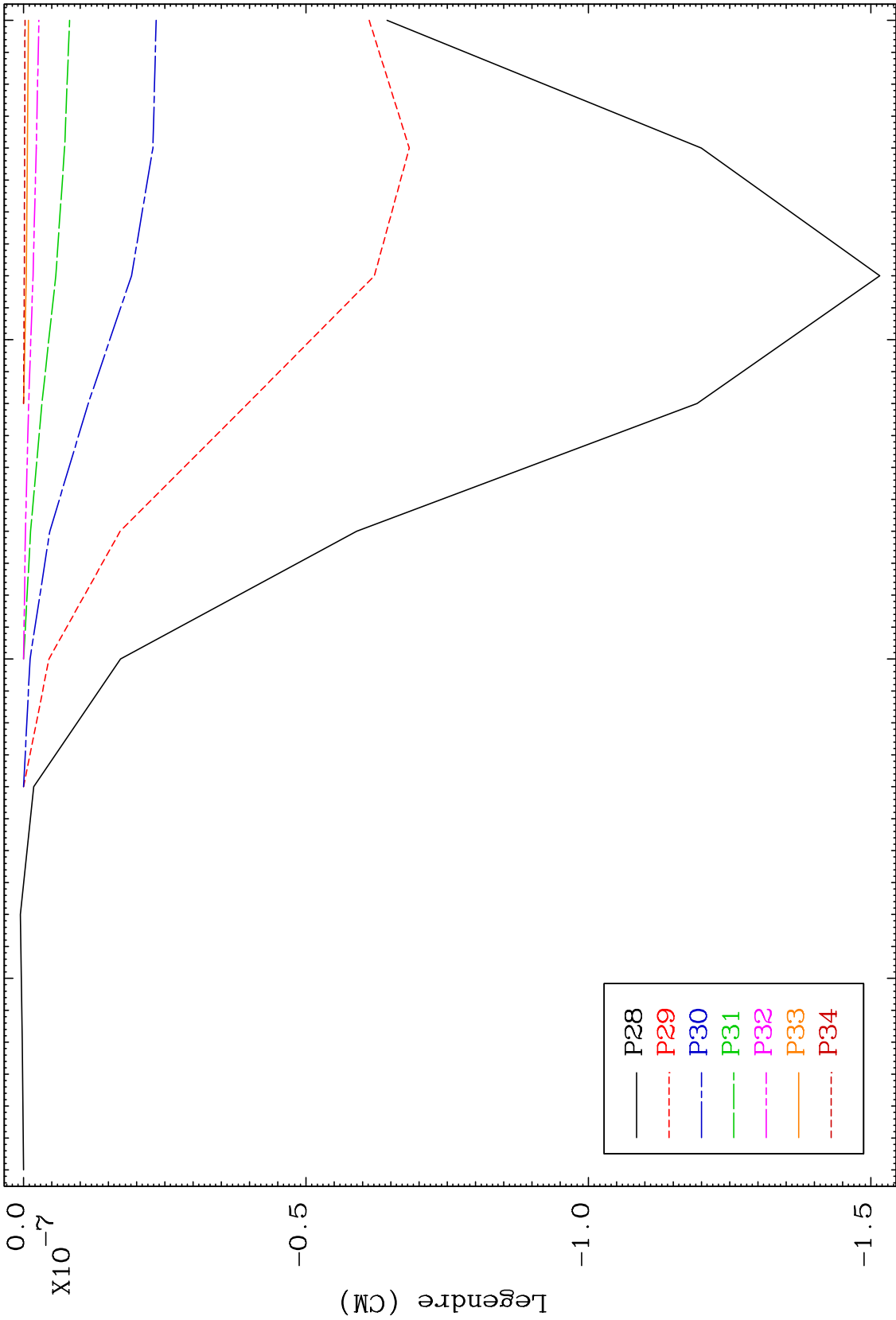
Incident Energy (MeV)

43-Tc-90

MAT 4298

43-Tc-90

Elastic Legendre Coefficients



17

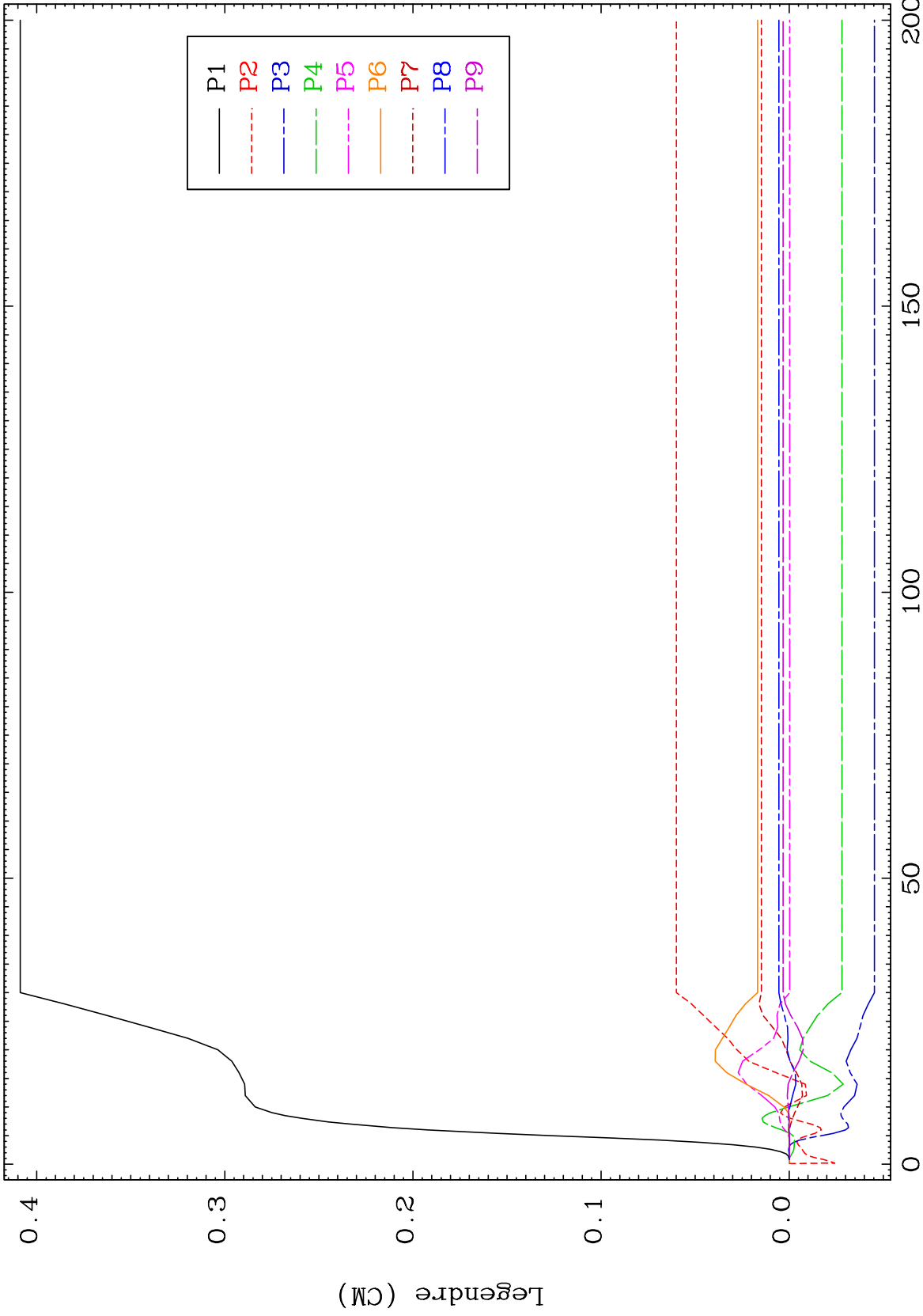
Incident Energy (MeV)

43-Tc-90

MAT 4298

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

43-Tc-90



18

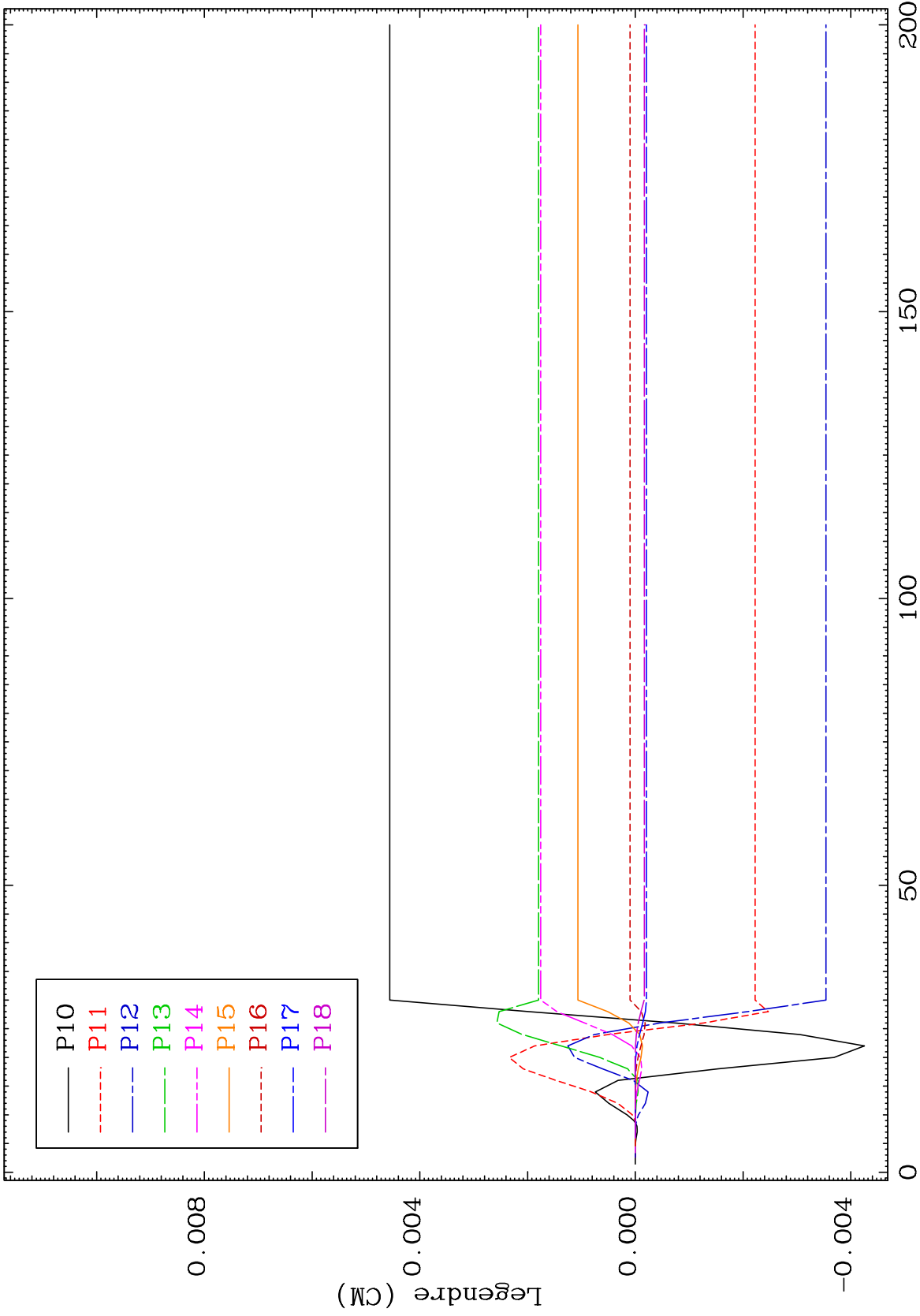
Incident Energy (MeV)

43-Tc-90

MAT 4298

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

43-Tc-90



19

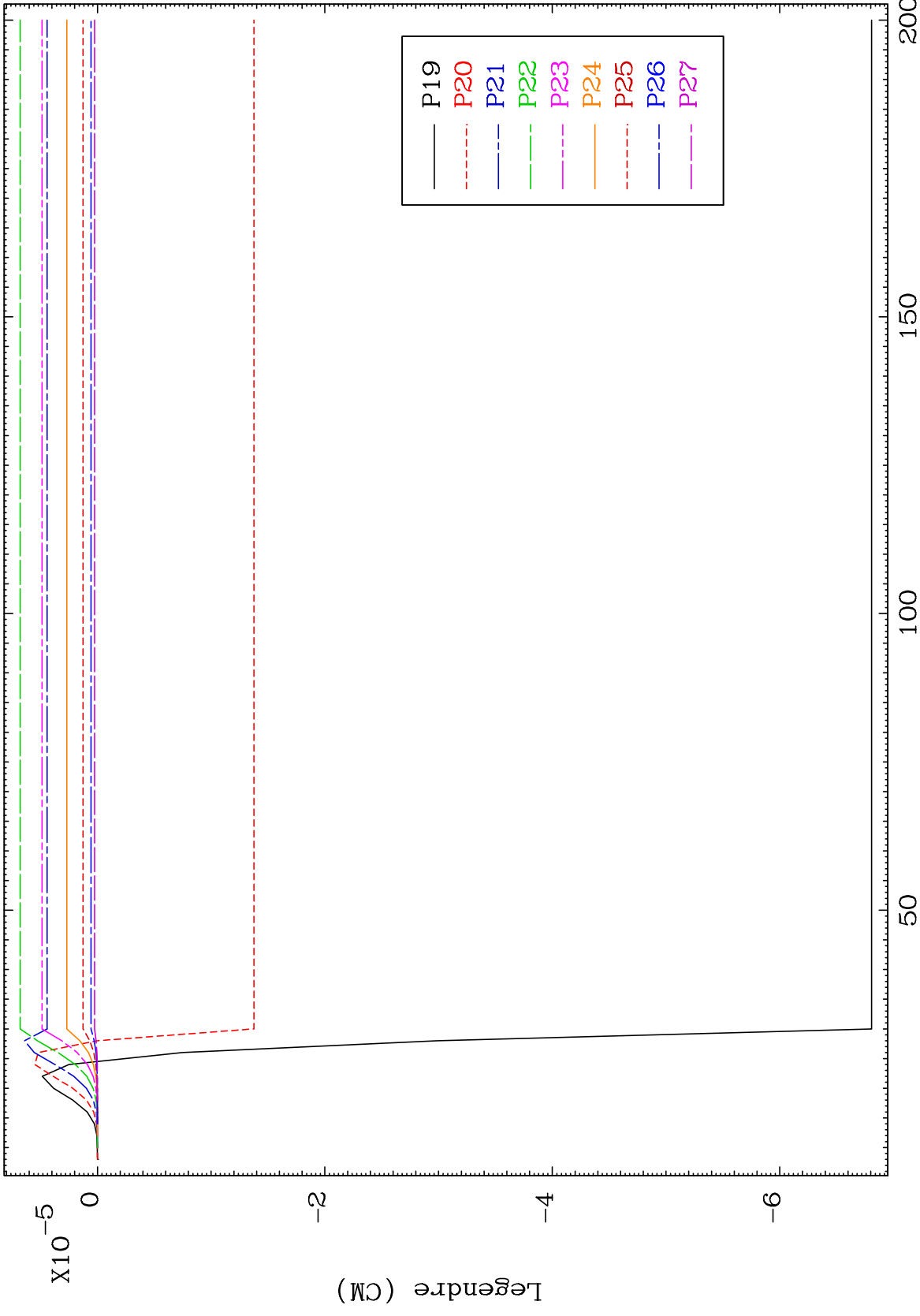
Incident Energy (MeV)

43-Tc-90

MAT 4298

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

43-Tc-90



43-Tc-90

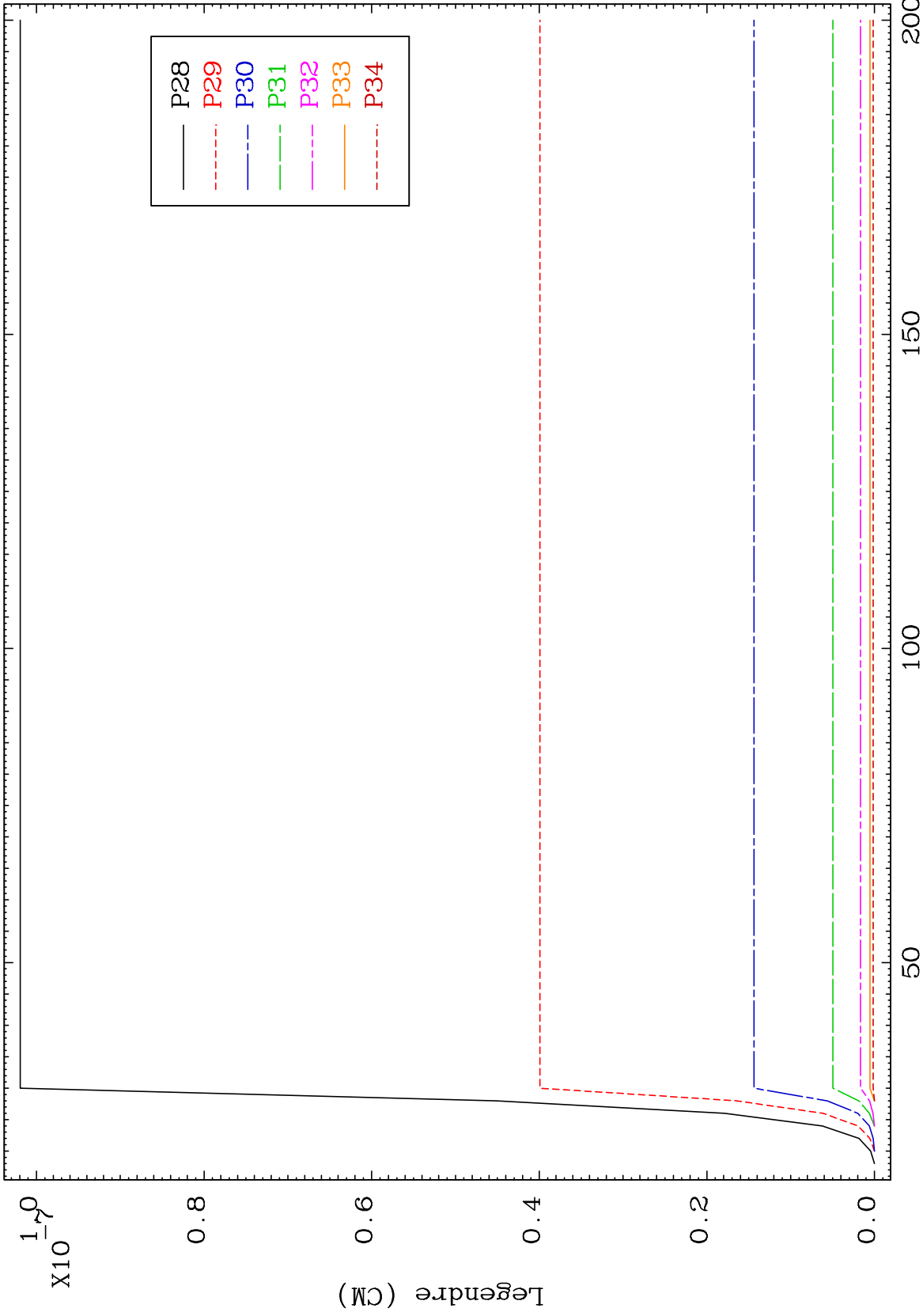
Incident Energy (MeV)

20

MAT 4298

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

43-Tc-90



21

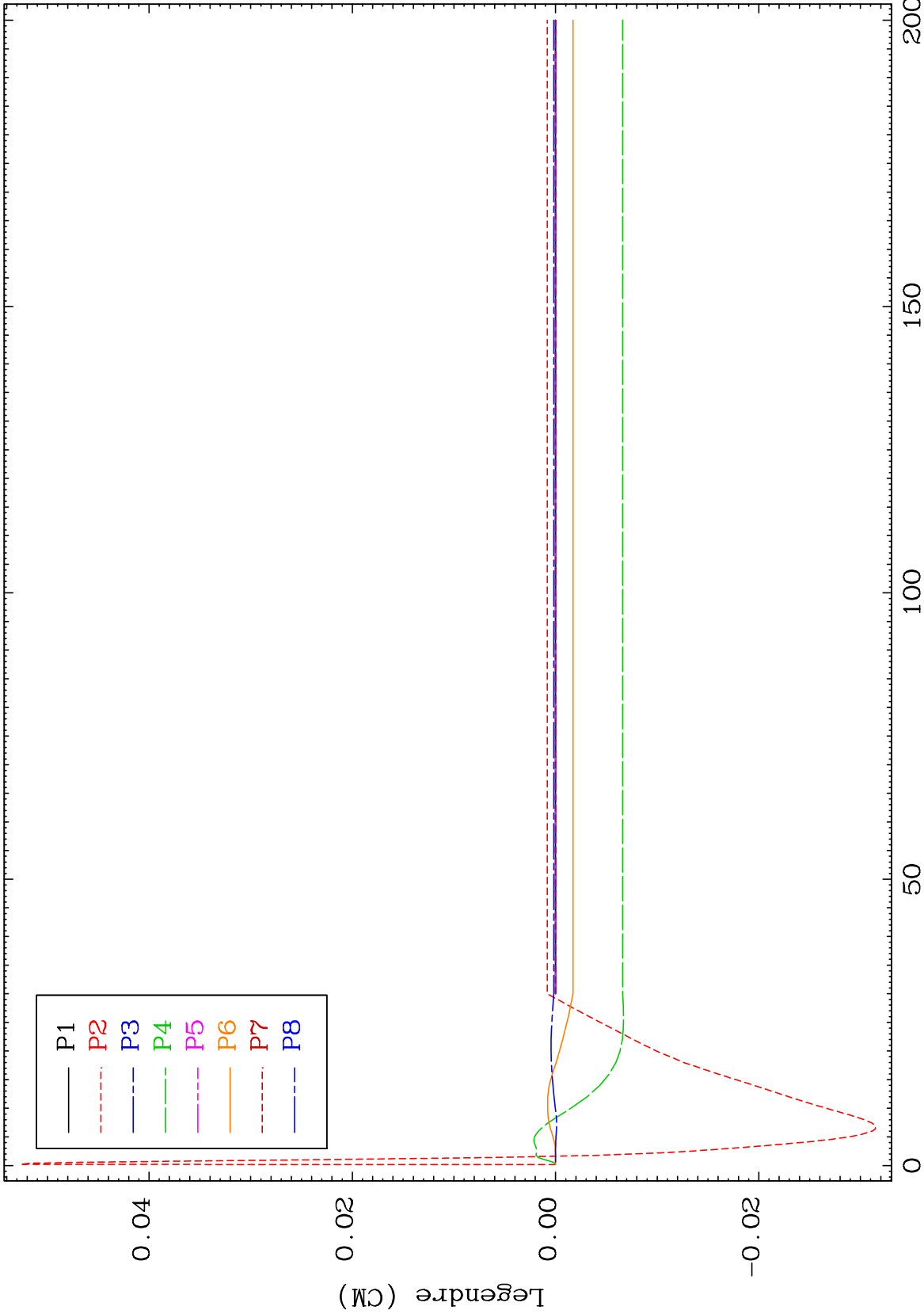
Incident Energy (MeV)

43-Tc-90

MAT 4298

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

43-Tc-90

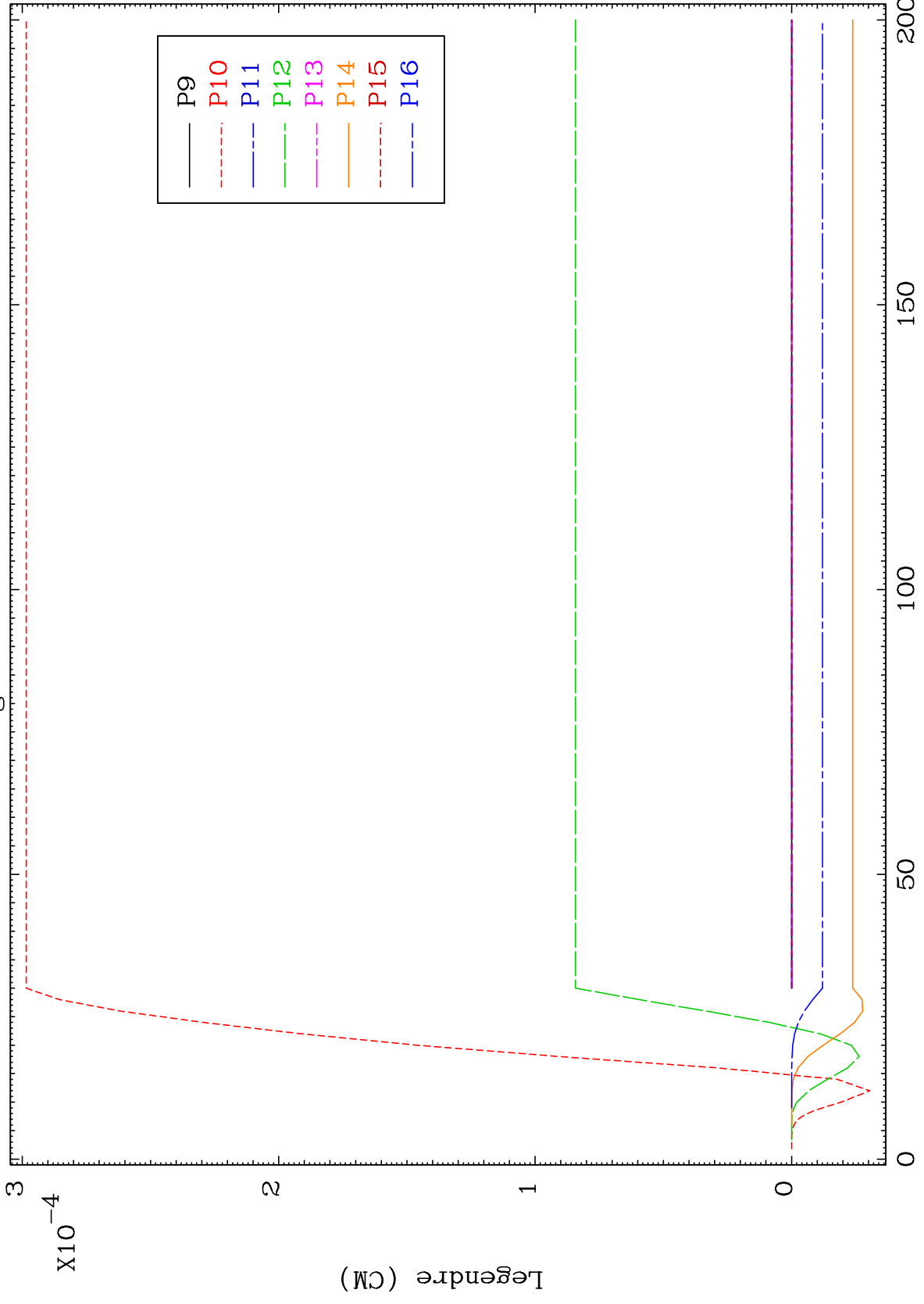


22

Incident Energy (MeV)

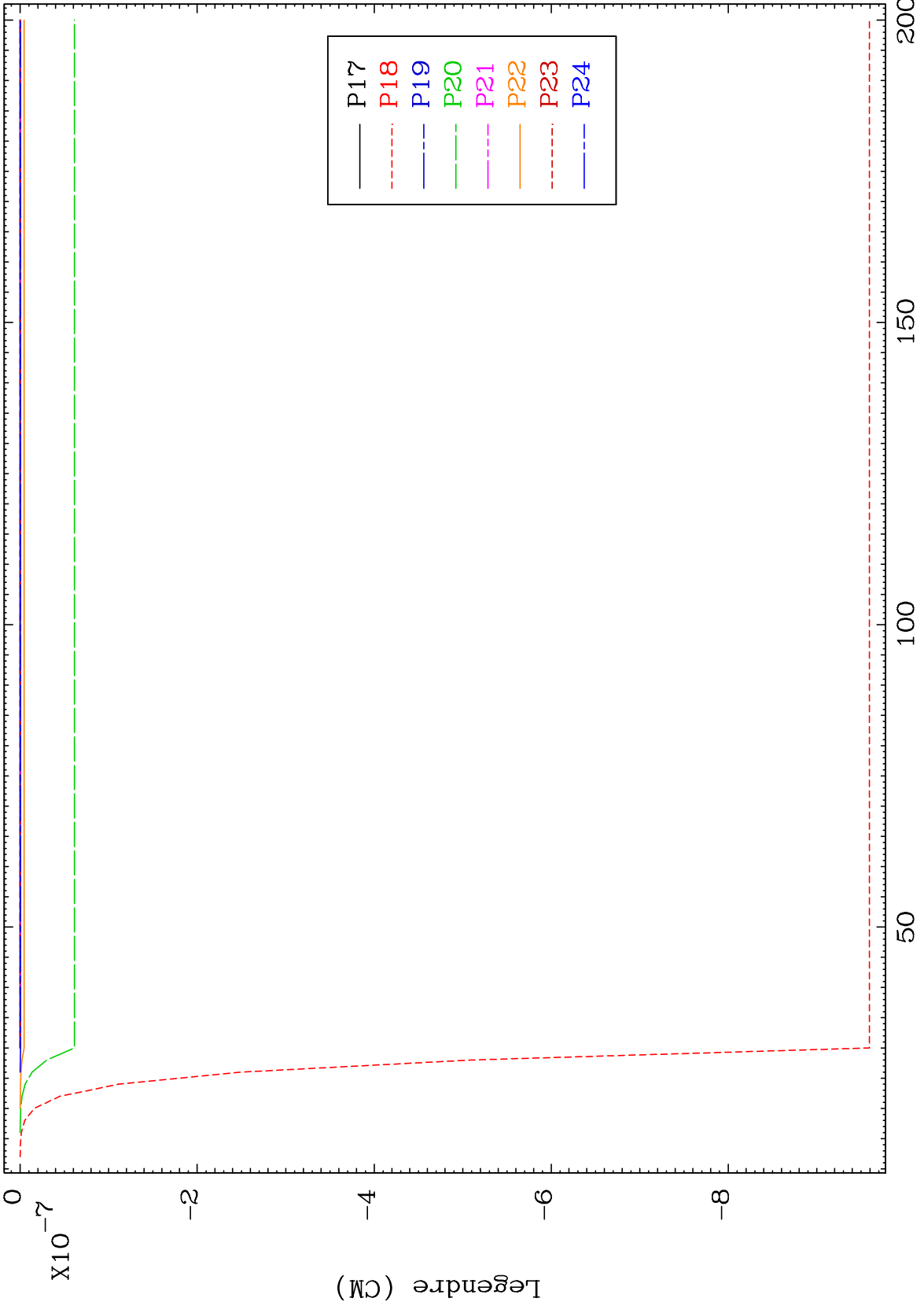
43-Tc-90

MAT 4298 MT= 52 (n,n') Level Legendre Coefficients 43-Tc-90



23 43-Tc-90

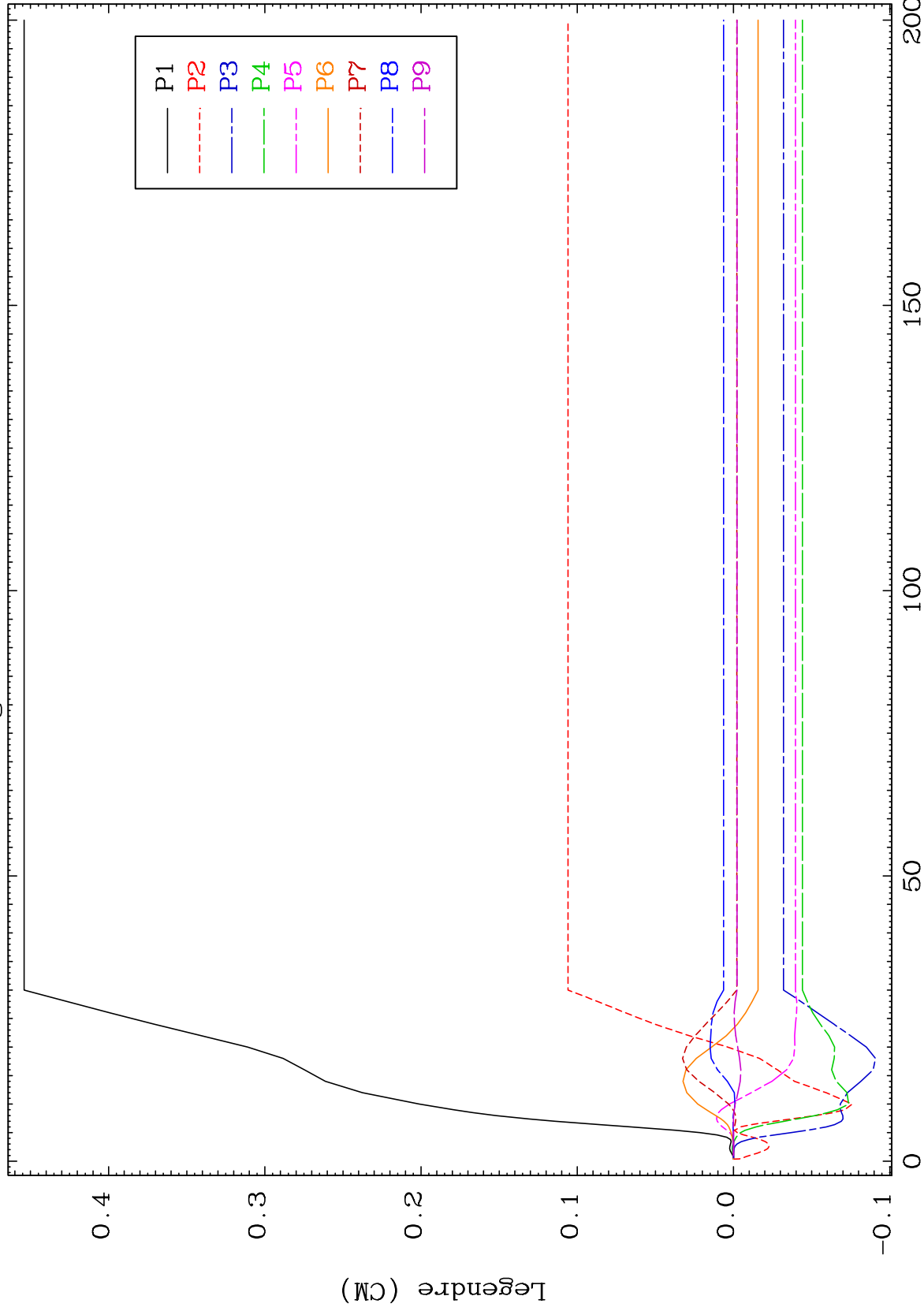
MAT 4298 MT= 52 (n,n') Level Legendre Coefficients 43-Tc-90



MAT 4298

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

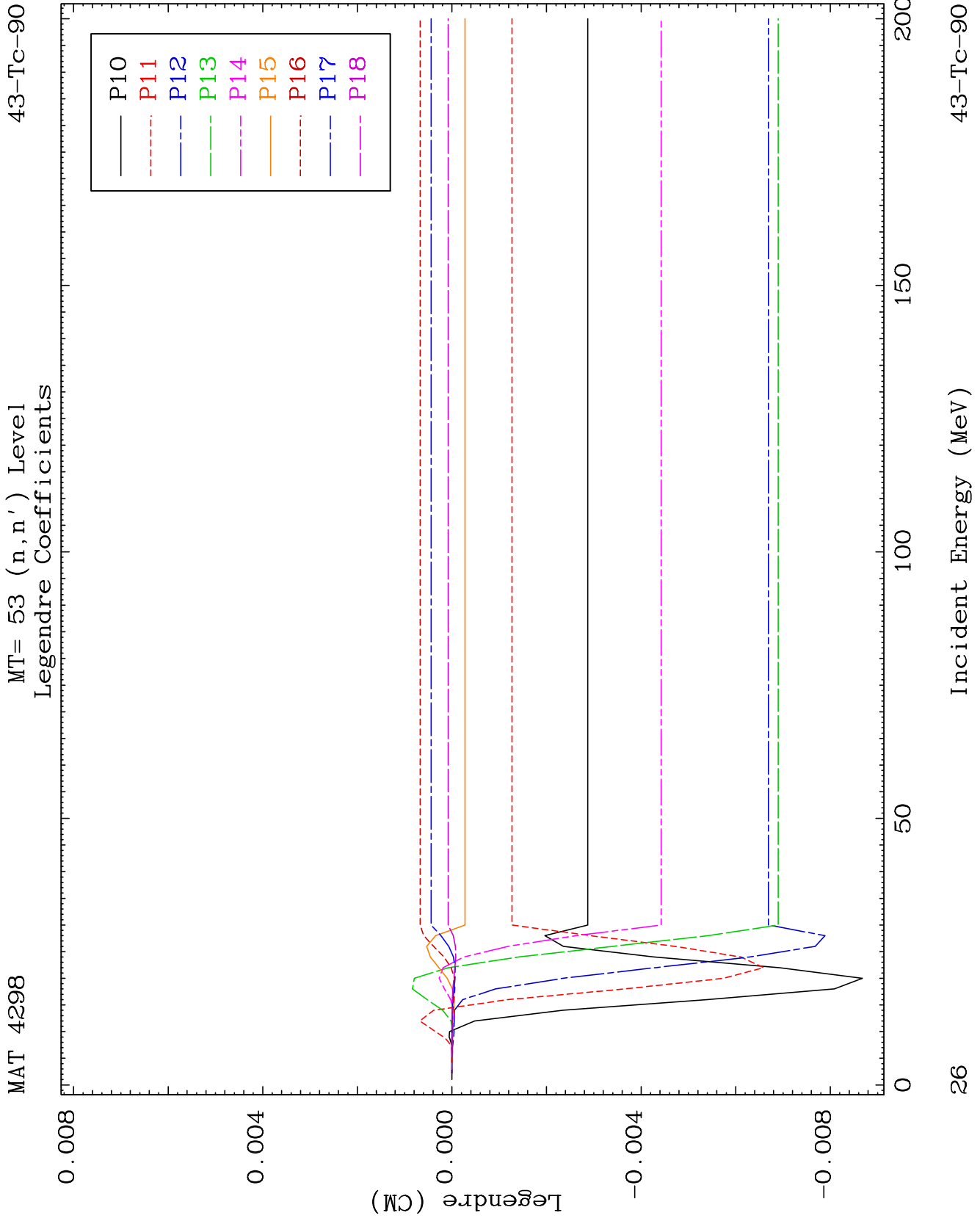
43-Tc-90



43-Tc-90

Incident Energy (MeV)

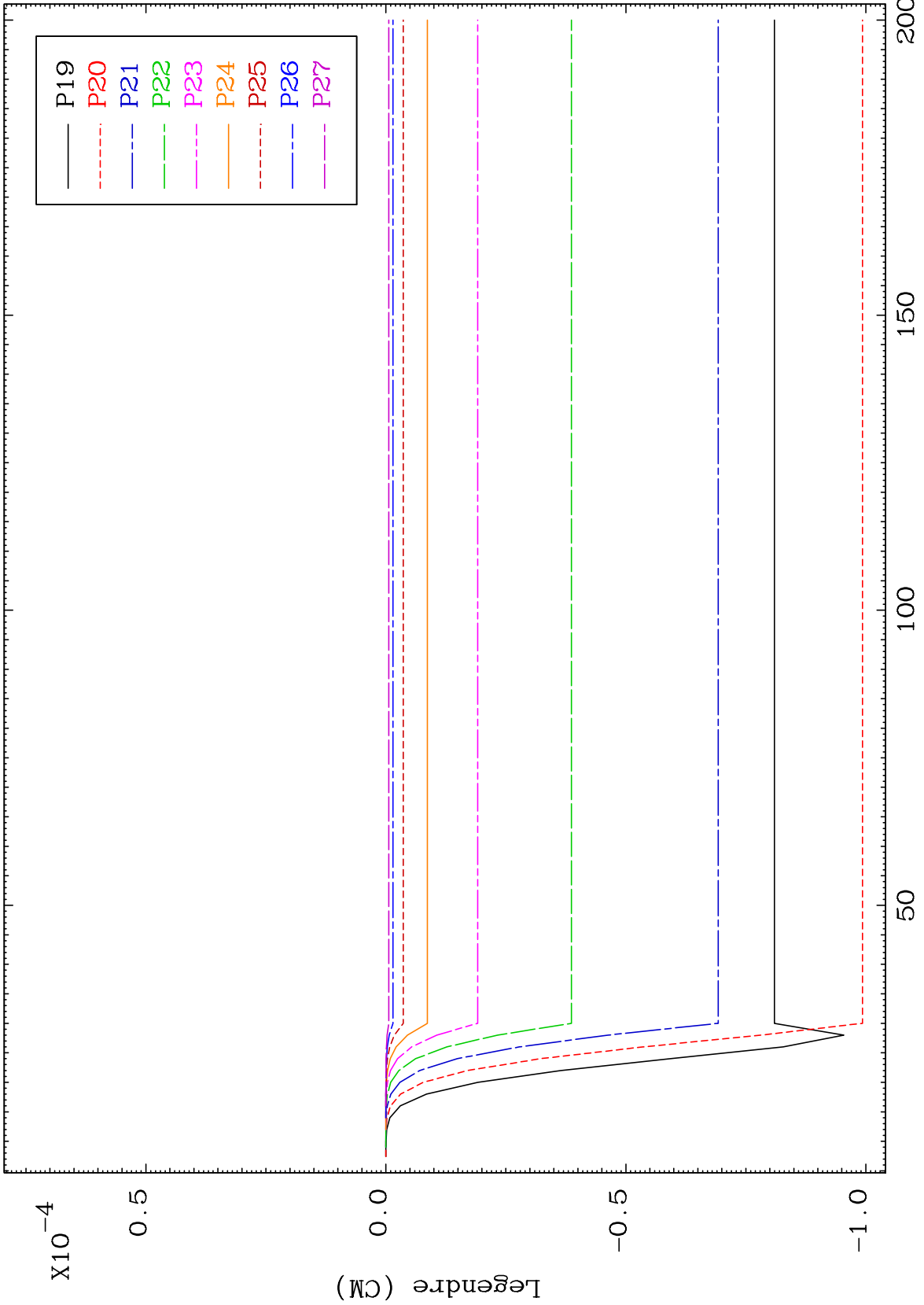
25



MAT 4298

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

43-Tc-90

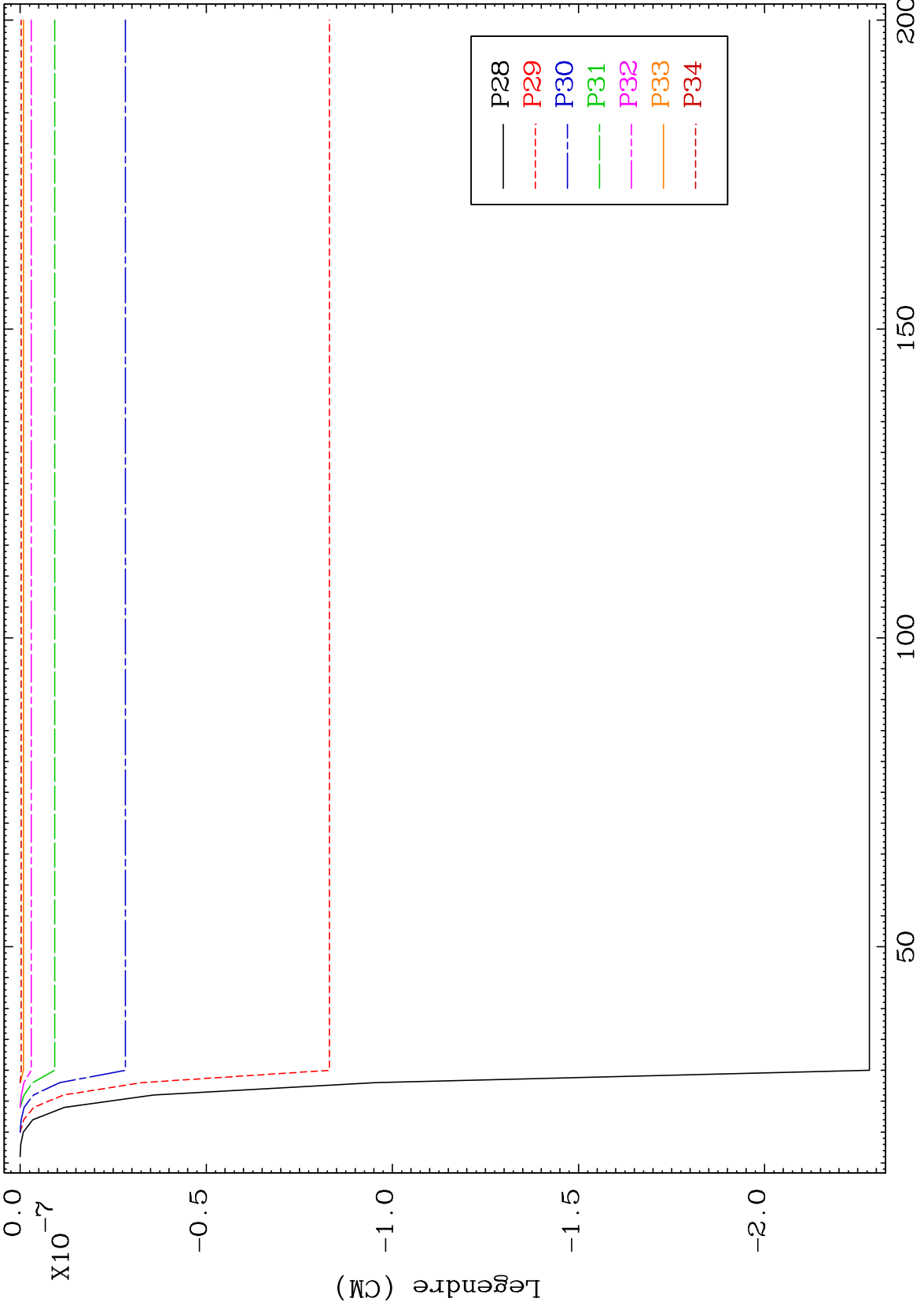


27

Incident Energy (MeV)

43-Tc-90

MAT 4298 MT= 53 (n,n') Level Legendre Coefficients 43-Tc-90

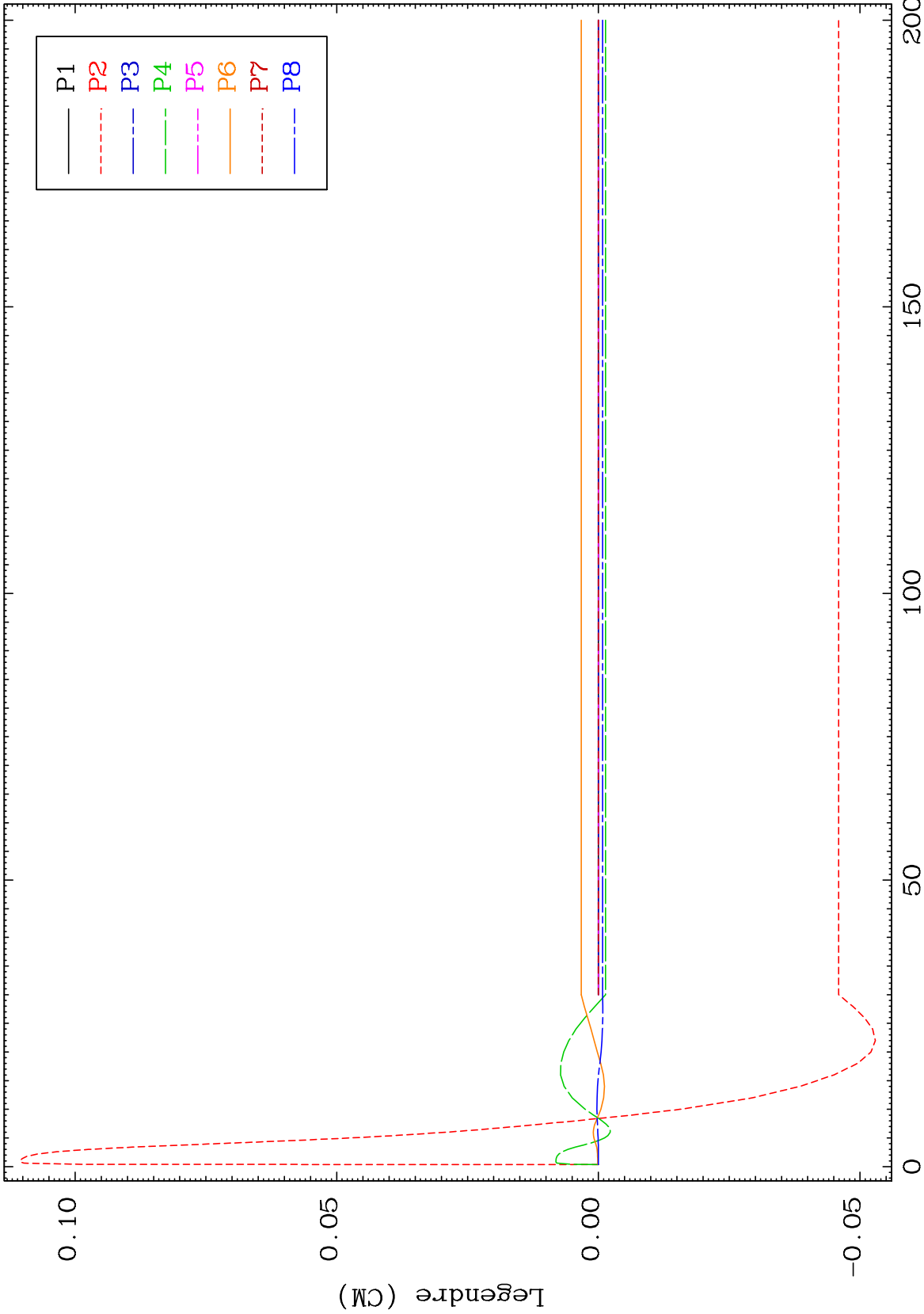


28 50 100 150 200 43-Tc-90

MAT 4298

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

43-Tc-90



29

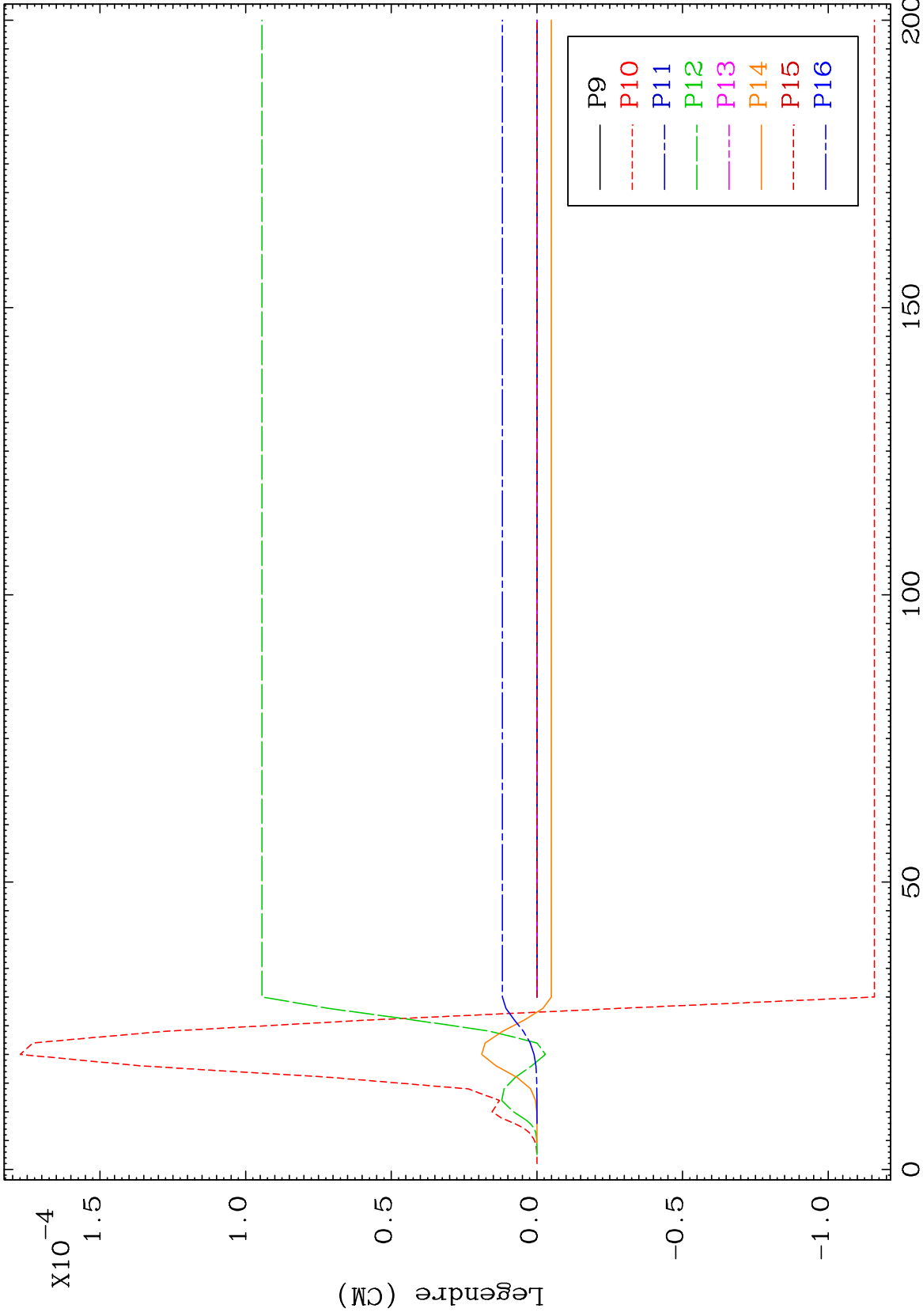
Incident Energy (MeV)

43-Tc-90

MAT 4298

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

43-Tc-90



30

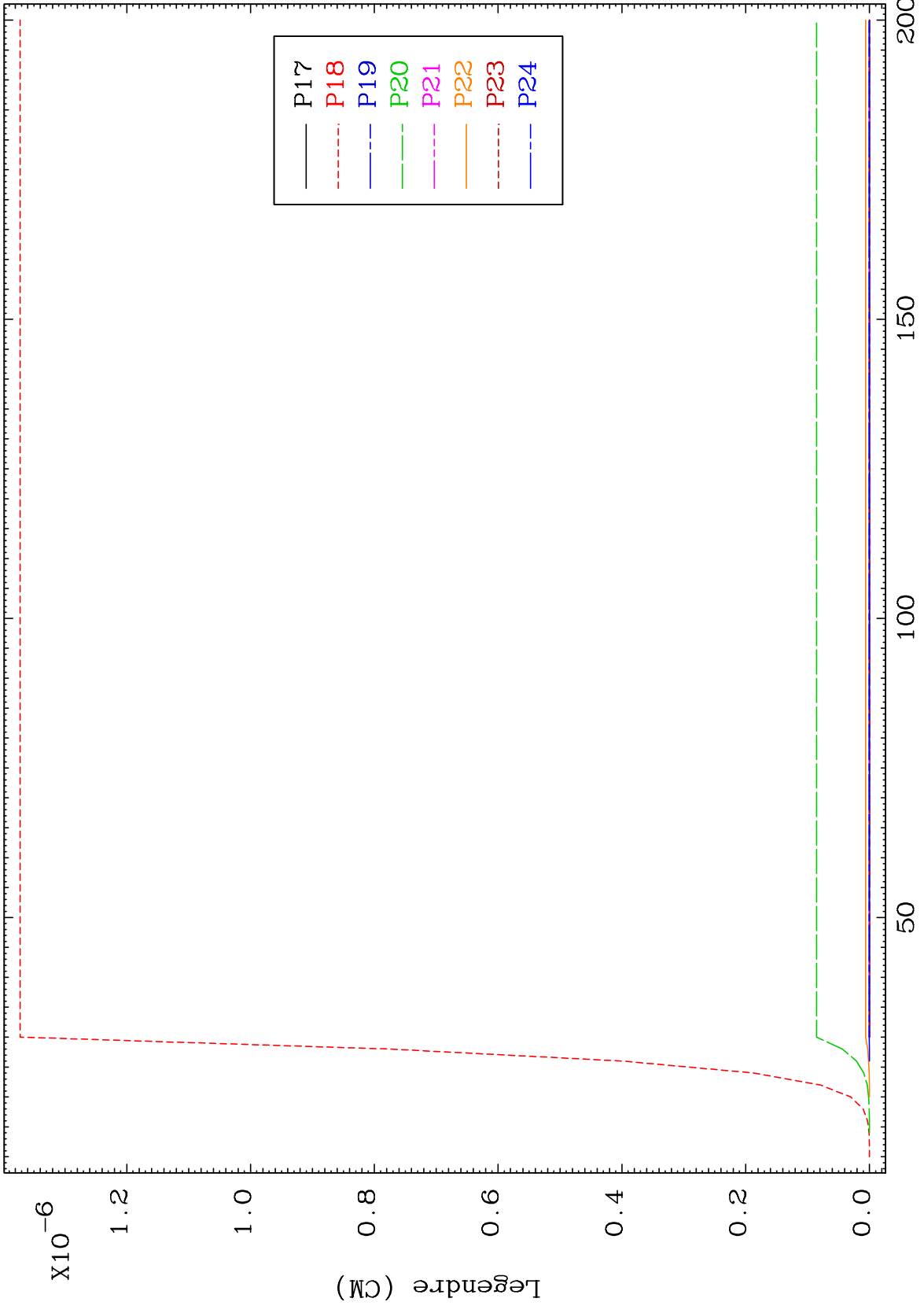
Incident Energy (MeV)

43-Tc-90

MAT 4298

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

43-Tc-90

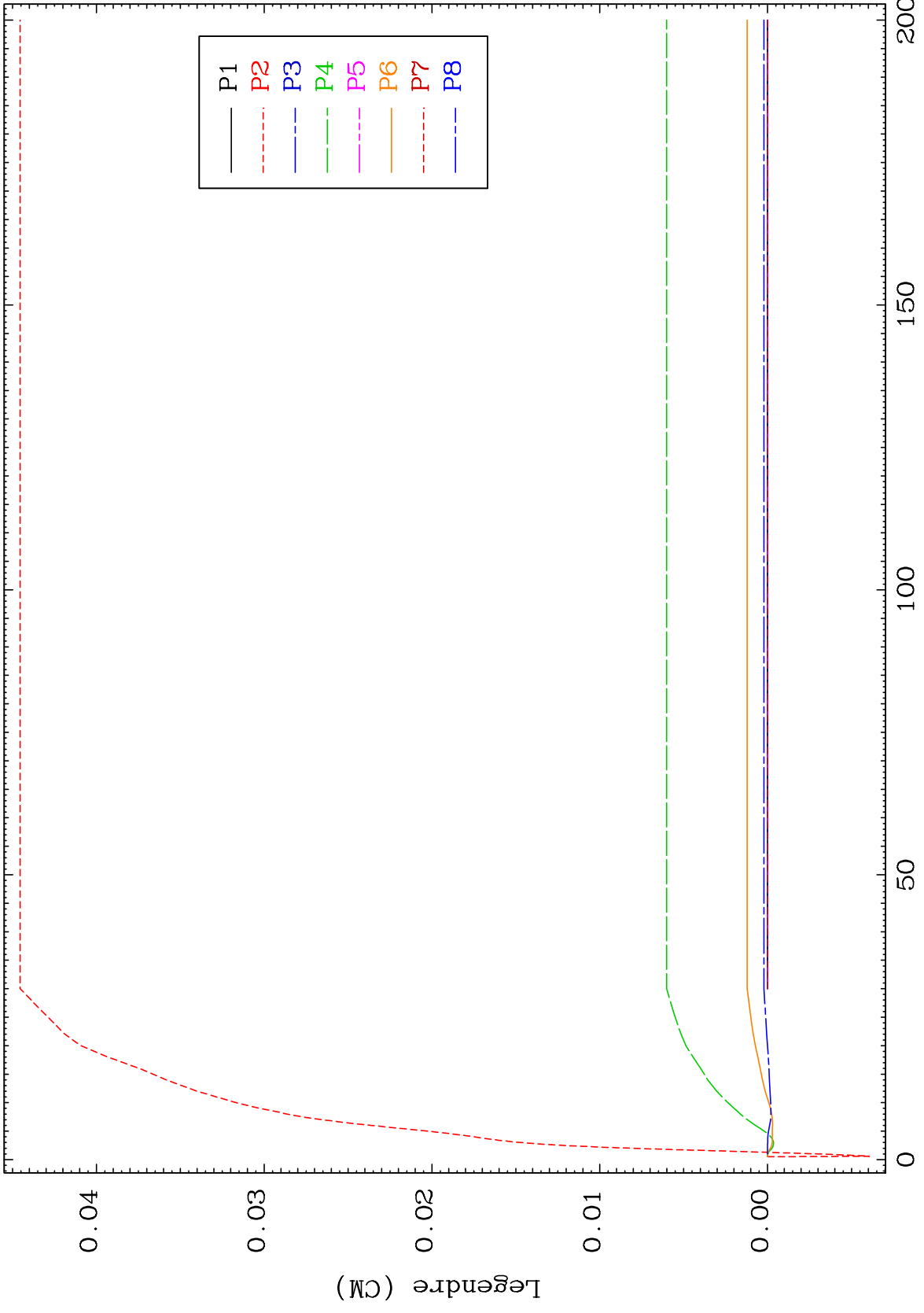


31

Incident Energy (MeV)

43-Tc-90

MAT 4298 MT= 55 (n,n') Level Legendre Coefficients 43-Tc-90

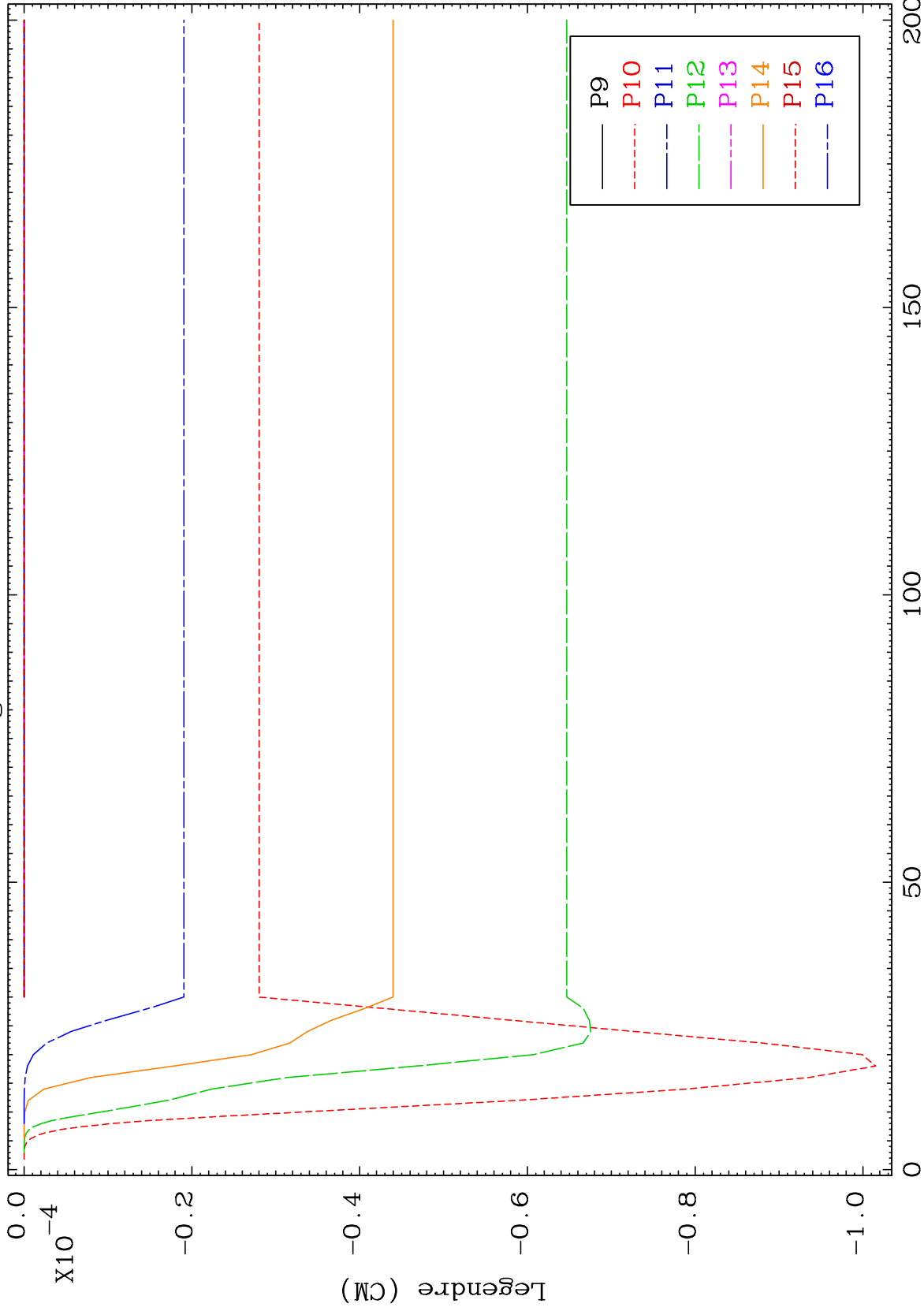


32 Incident Energy (MeV) 43-Tc-90

MAT 4298

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

43-Tc-90

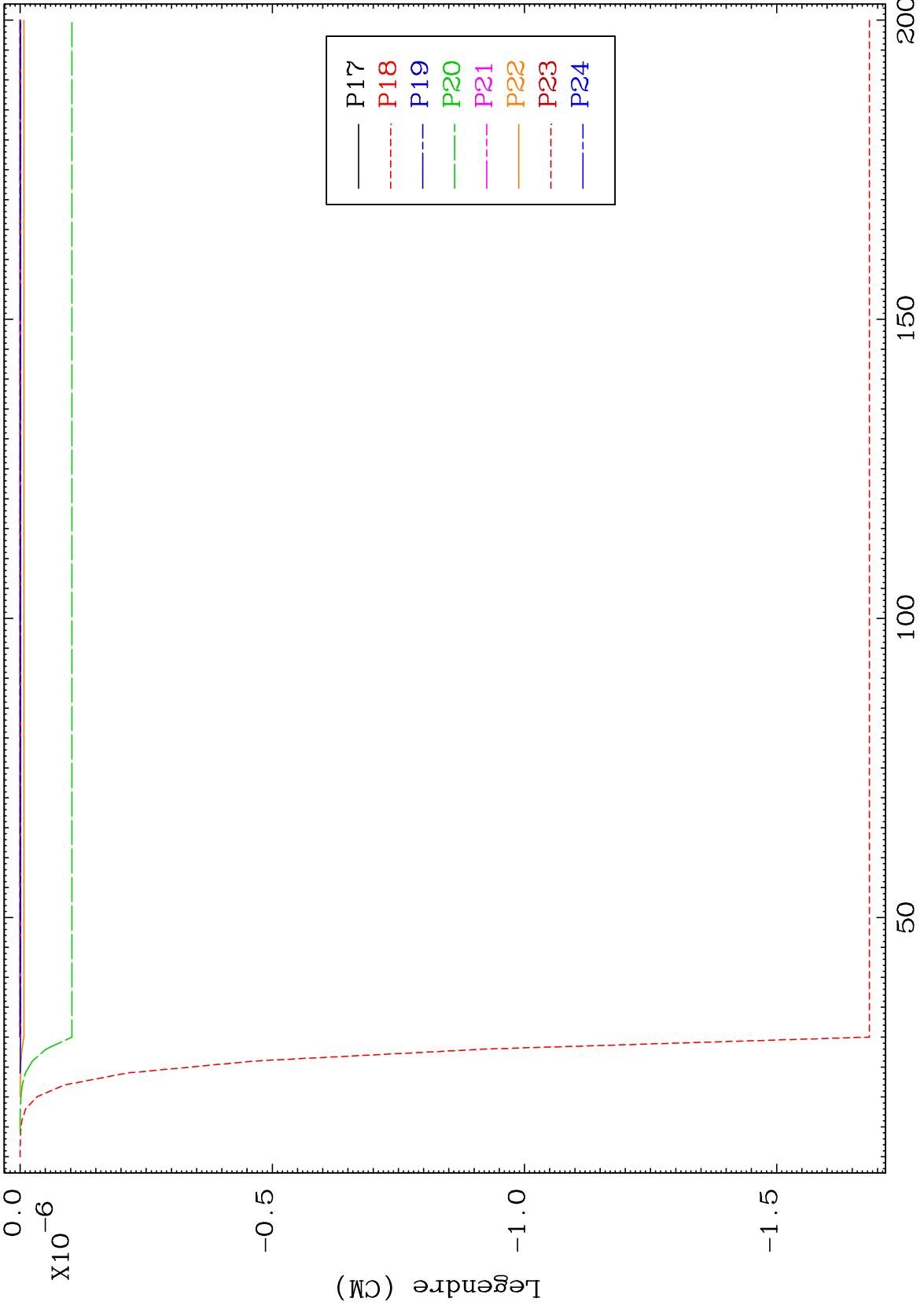


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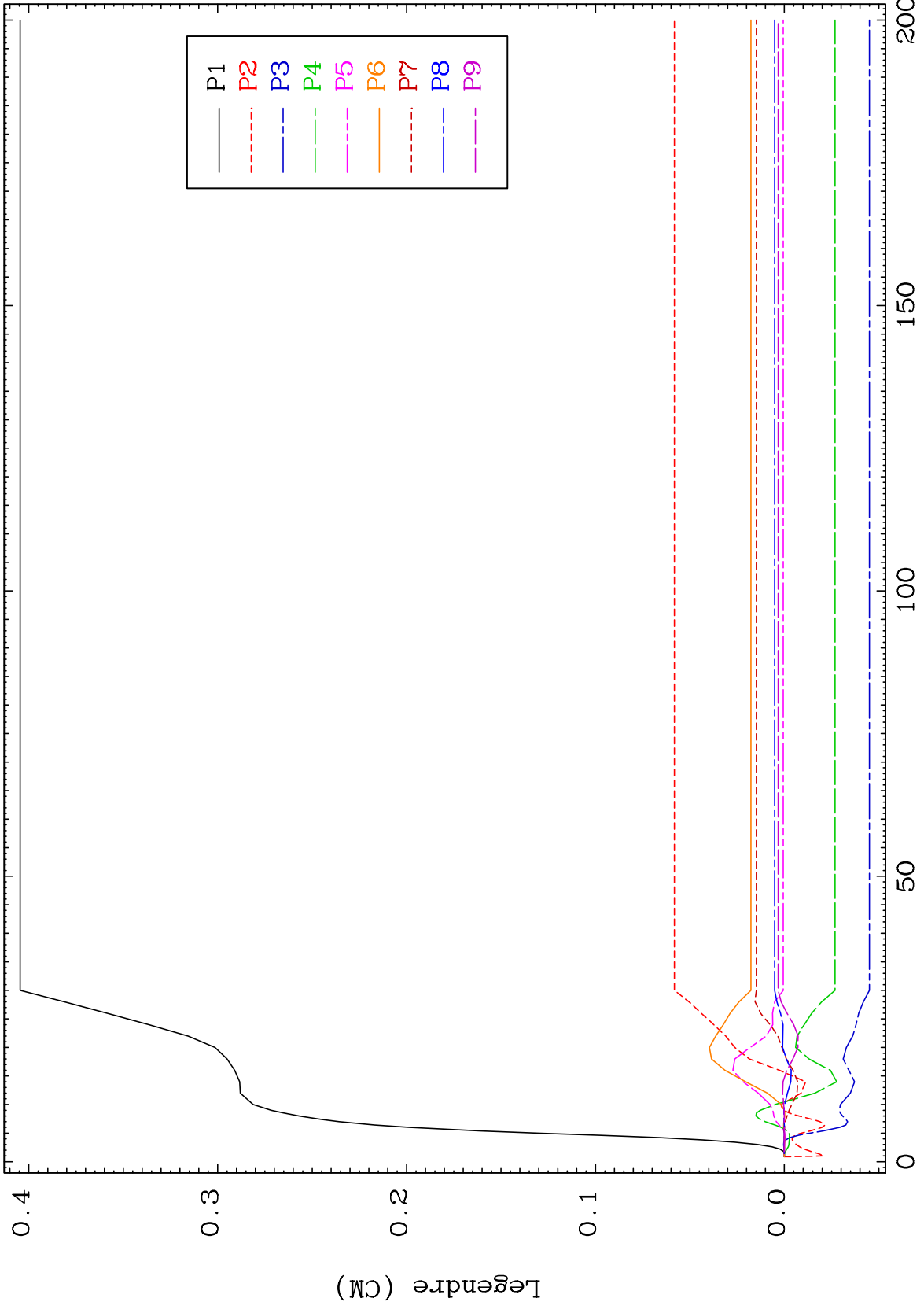
Incident Energy (MeV)

43-Tc-90

MAT 4298 MT= 55 (n,n') Level Legendre Coefficients 43-Tc-90



MAT 4298 MT= 56 (n,n') Level Legendre Coefficients 43-Tc-90

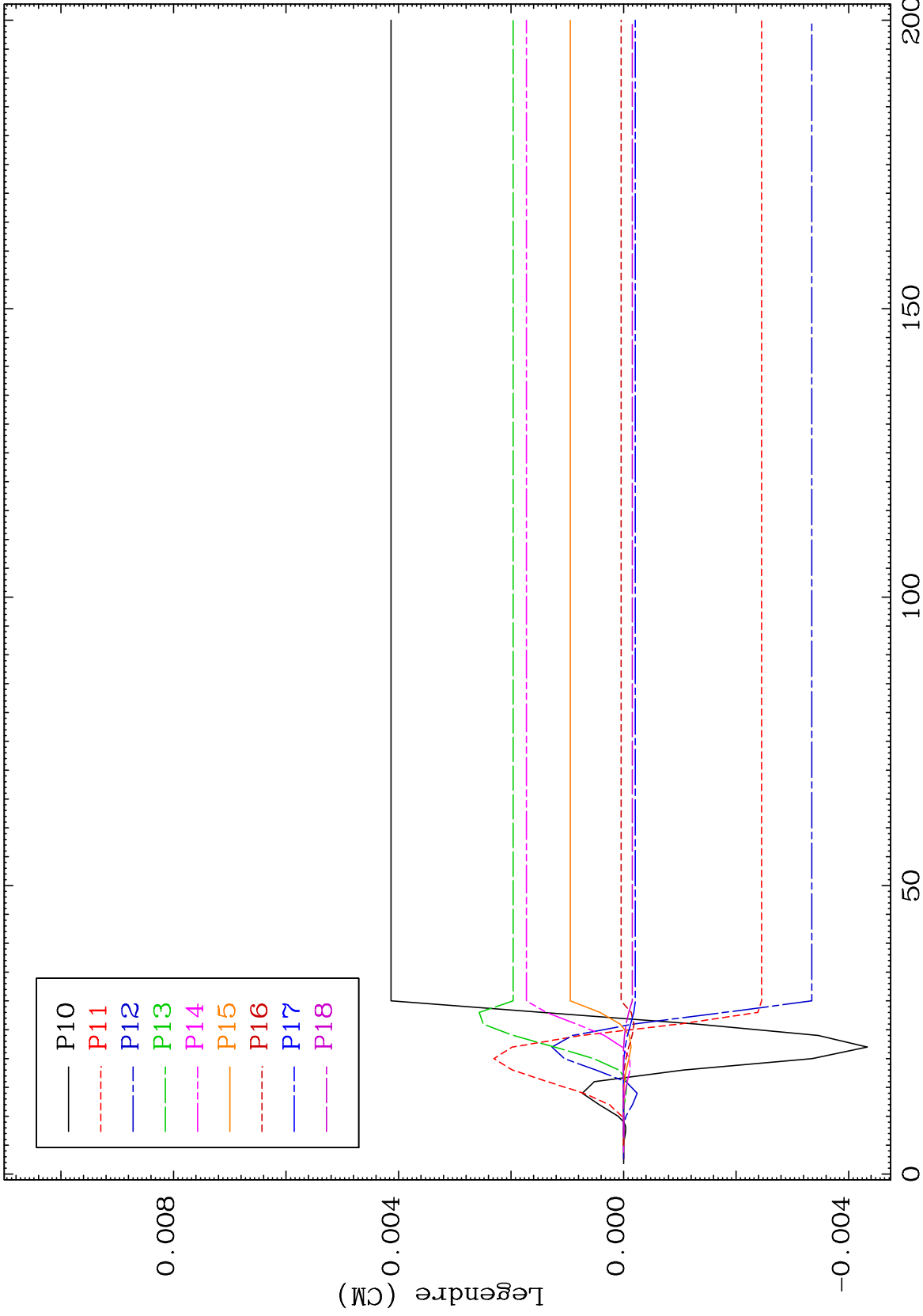


35 43-Tc-90

MAT 4298

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

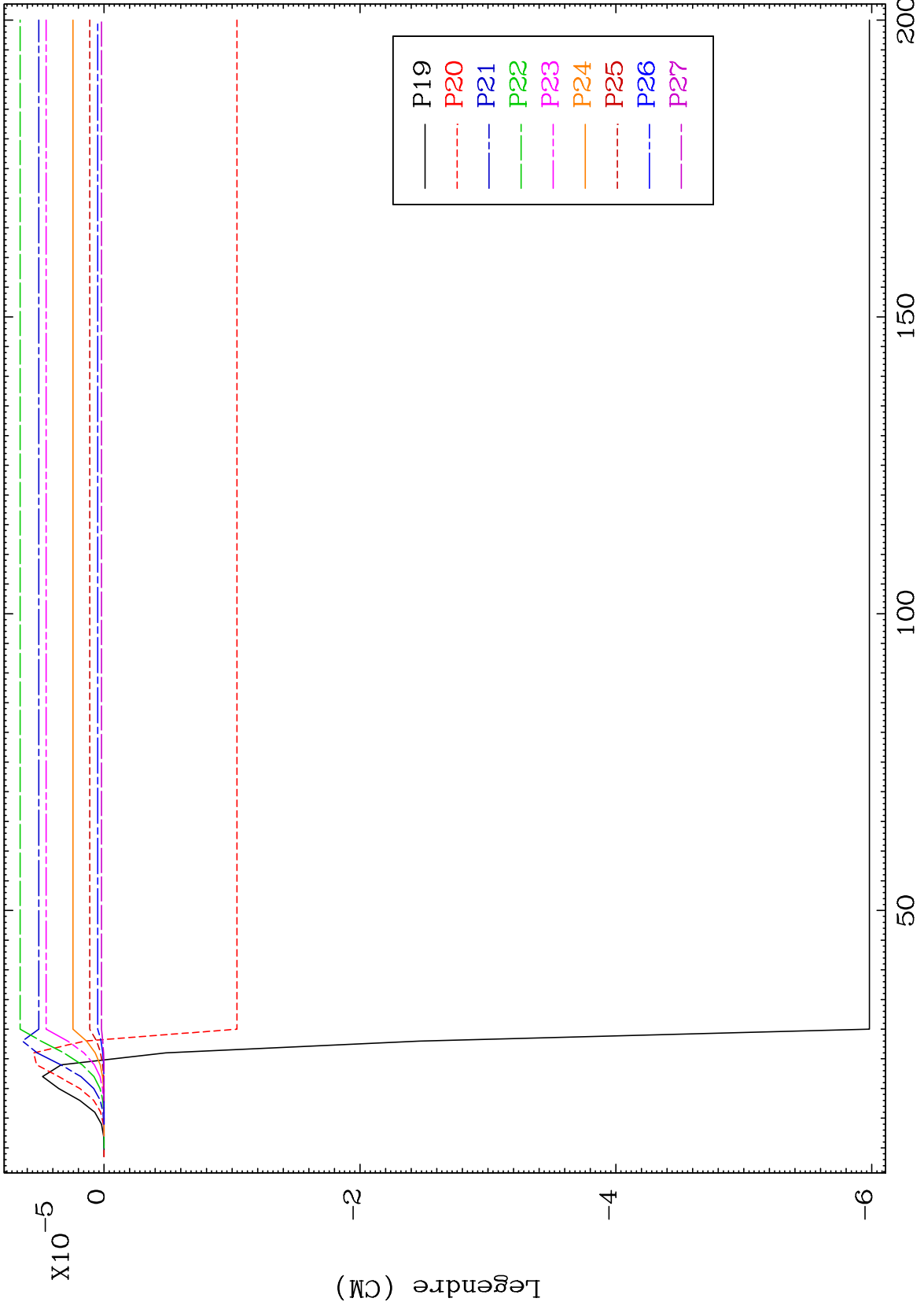
43-Tc-90



36

Incident Energy (MeV)

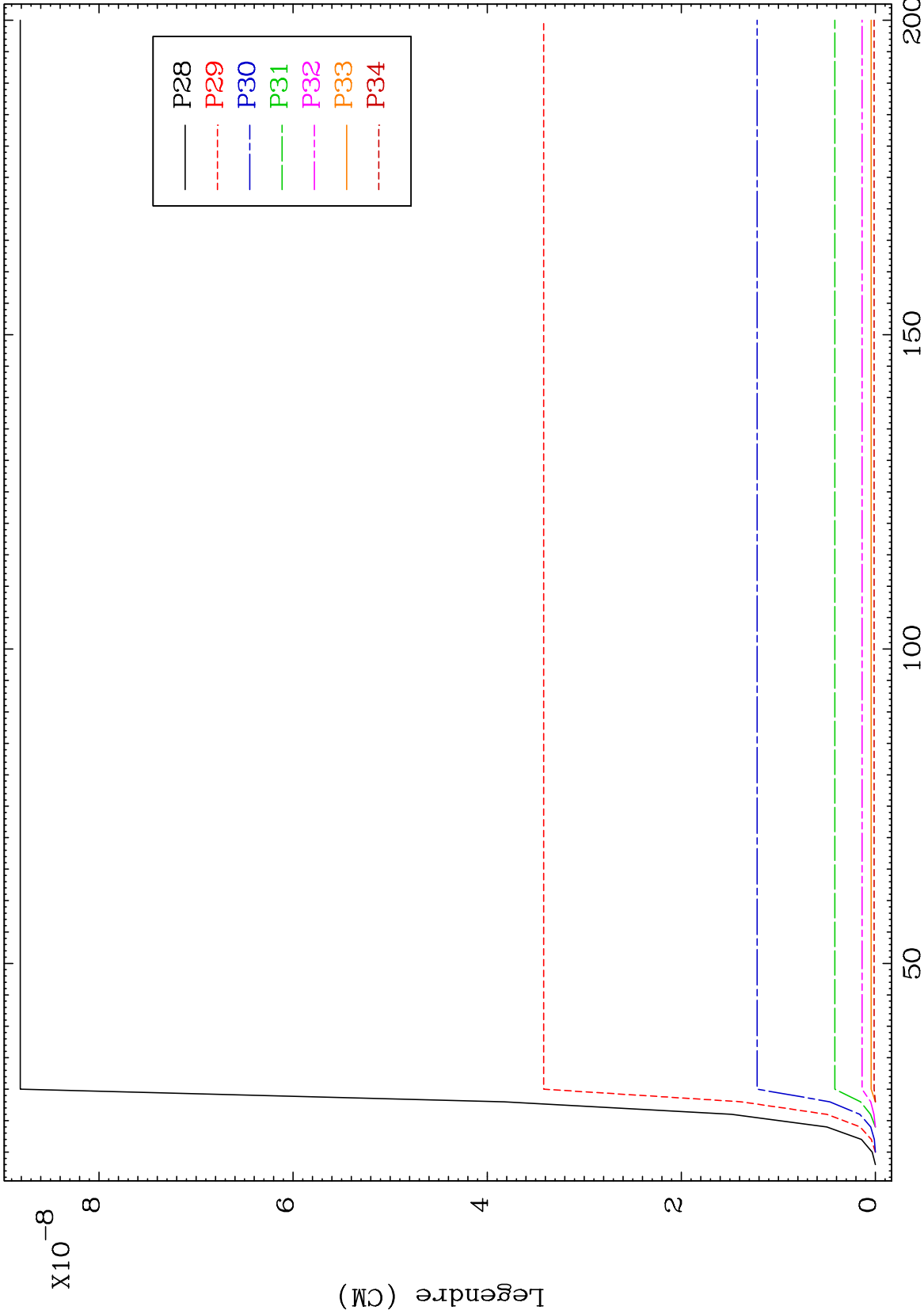
43-Tc-90



MAT 4298

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

43-Tc-90



38

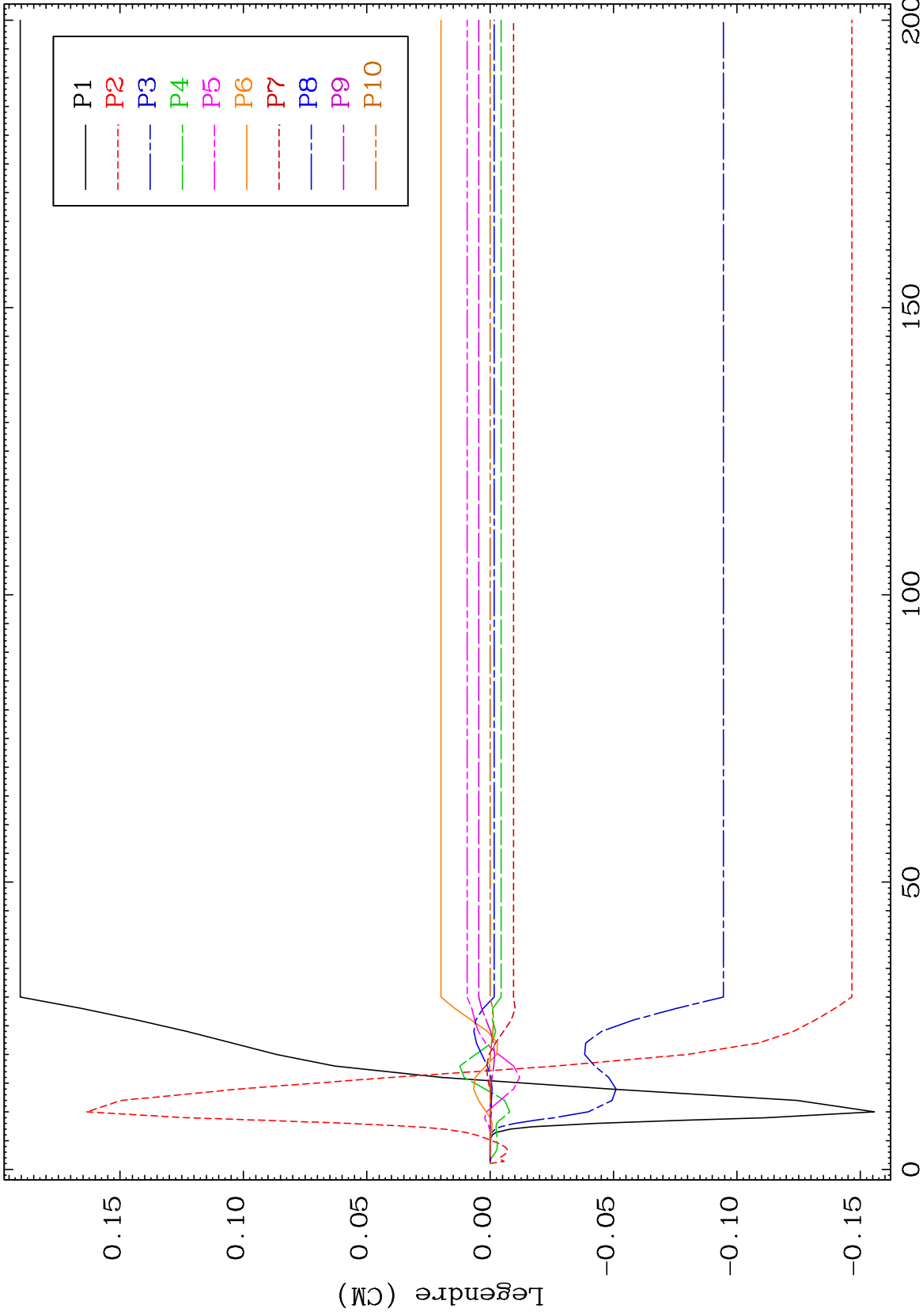
Incident Energy (MeV)

43-Tc-90

MAT 4298

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

43-Tc-90



39

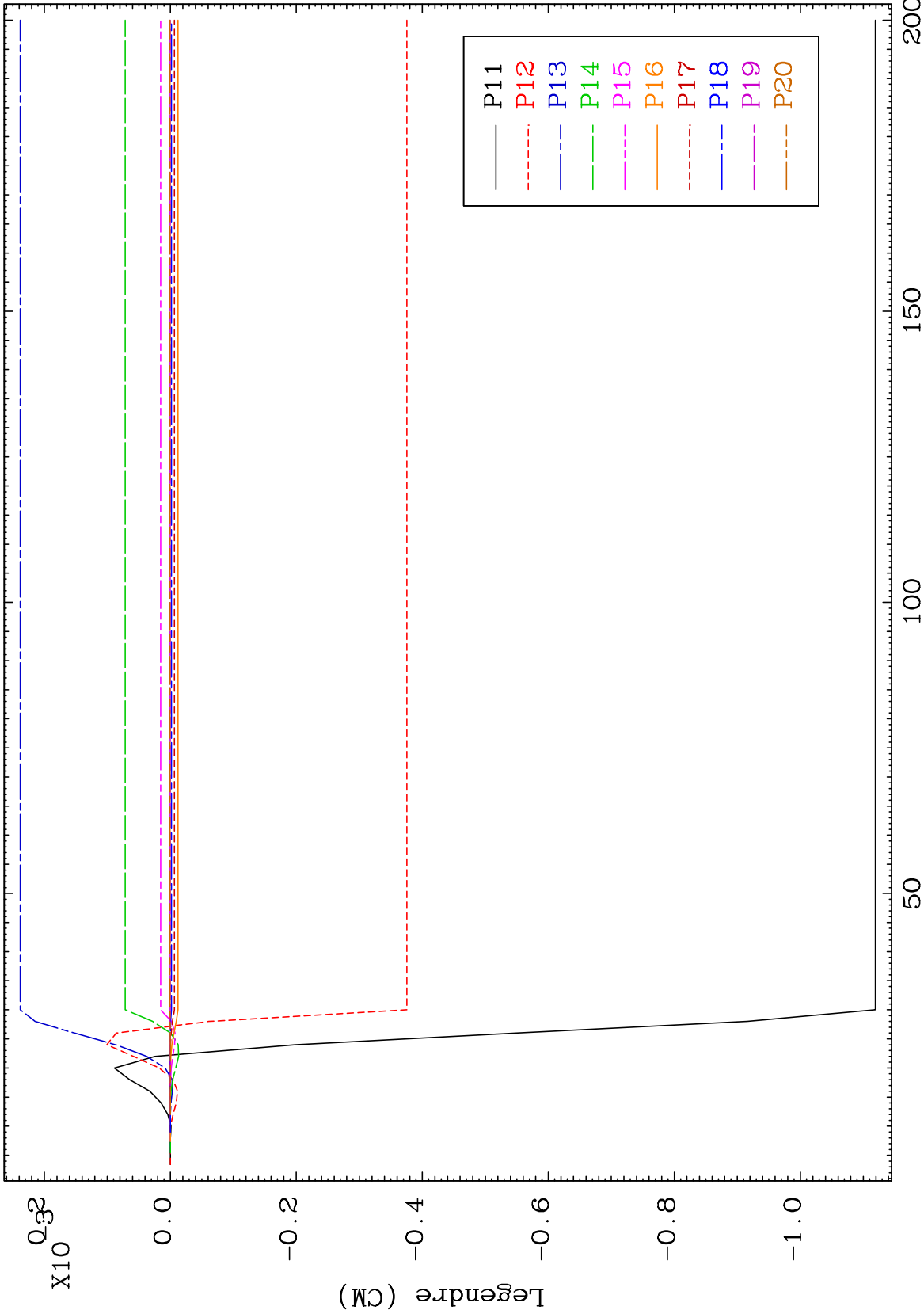
Incident Energy (MeV)

43-Tc-90

MAT 4298

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

43-Tc-90



40

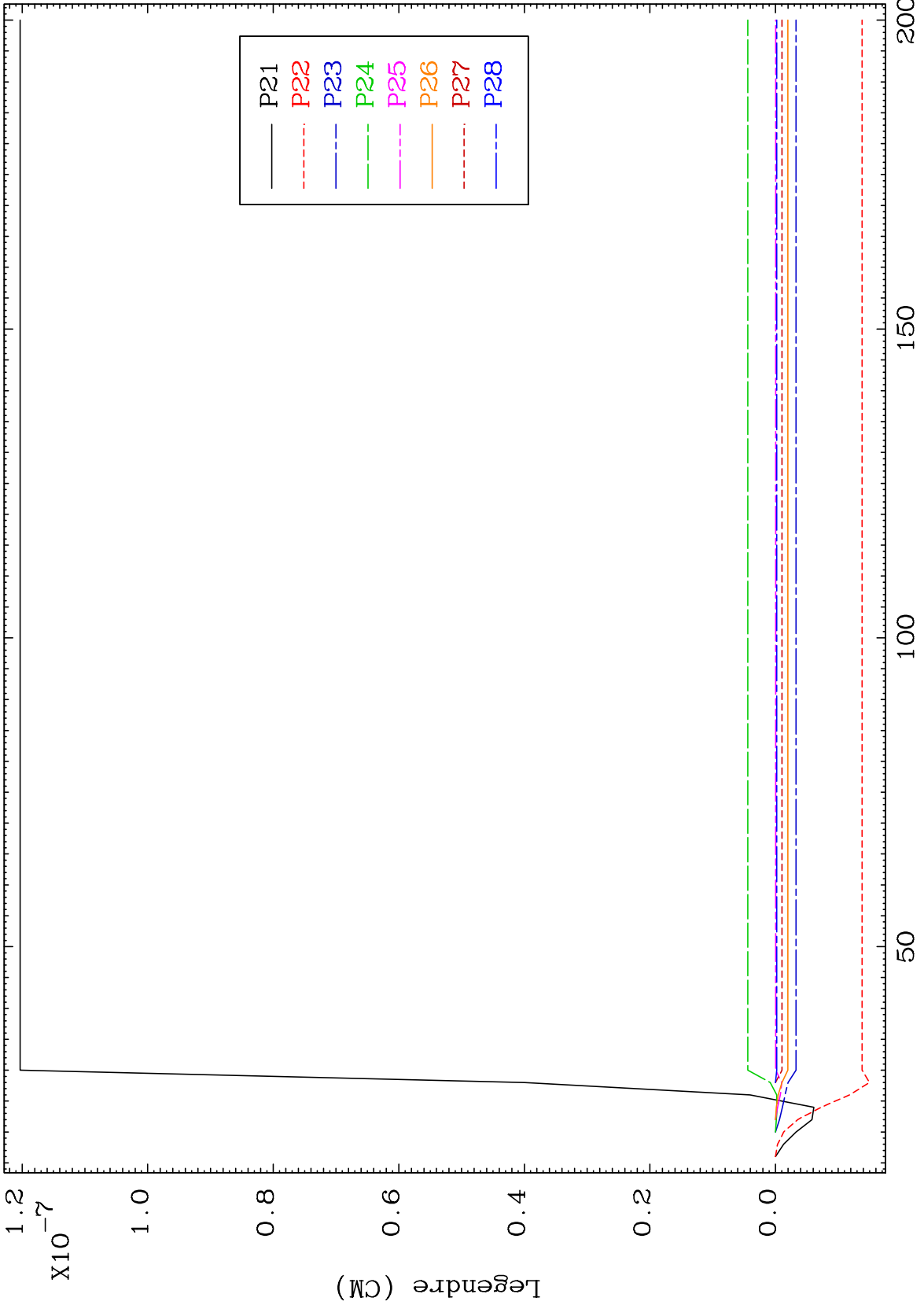
Incident Energy (MeV)

43-Tc-90

MAT 4298

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

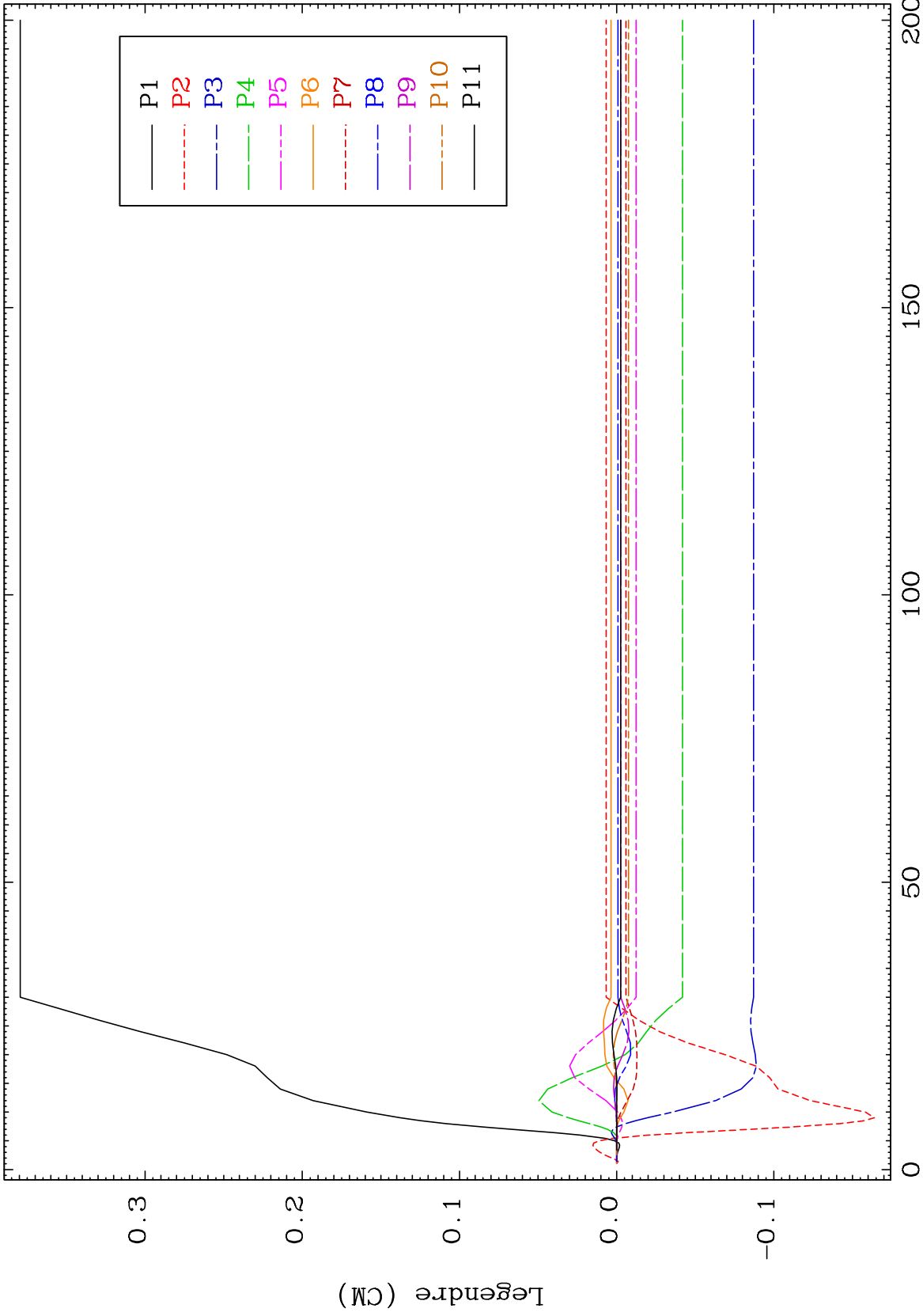
43-Tc-90



MAT 4298

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

43-Tc-90

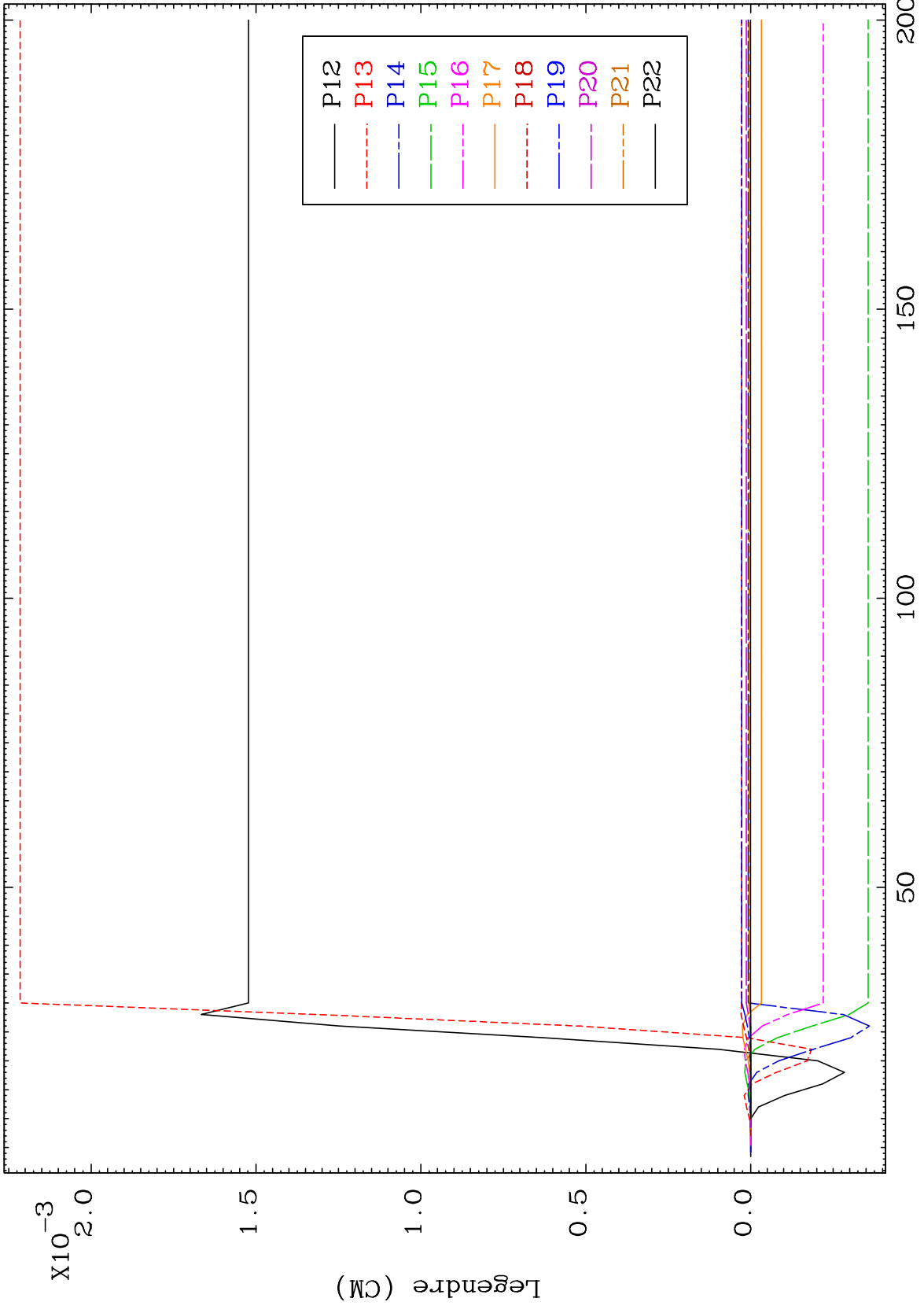


42

Incident Energy (MeV)

43-Tc-90

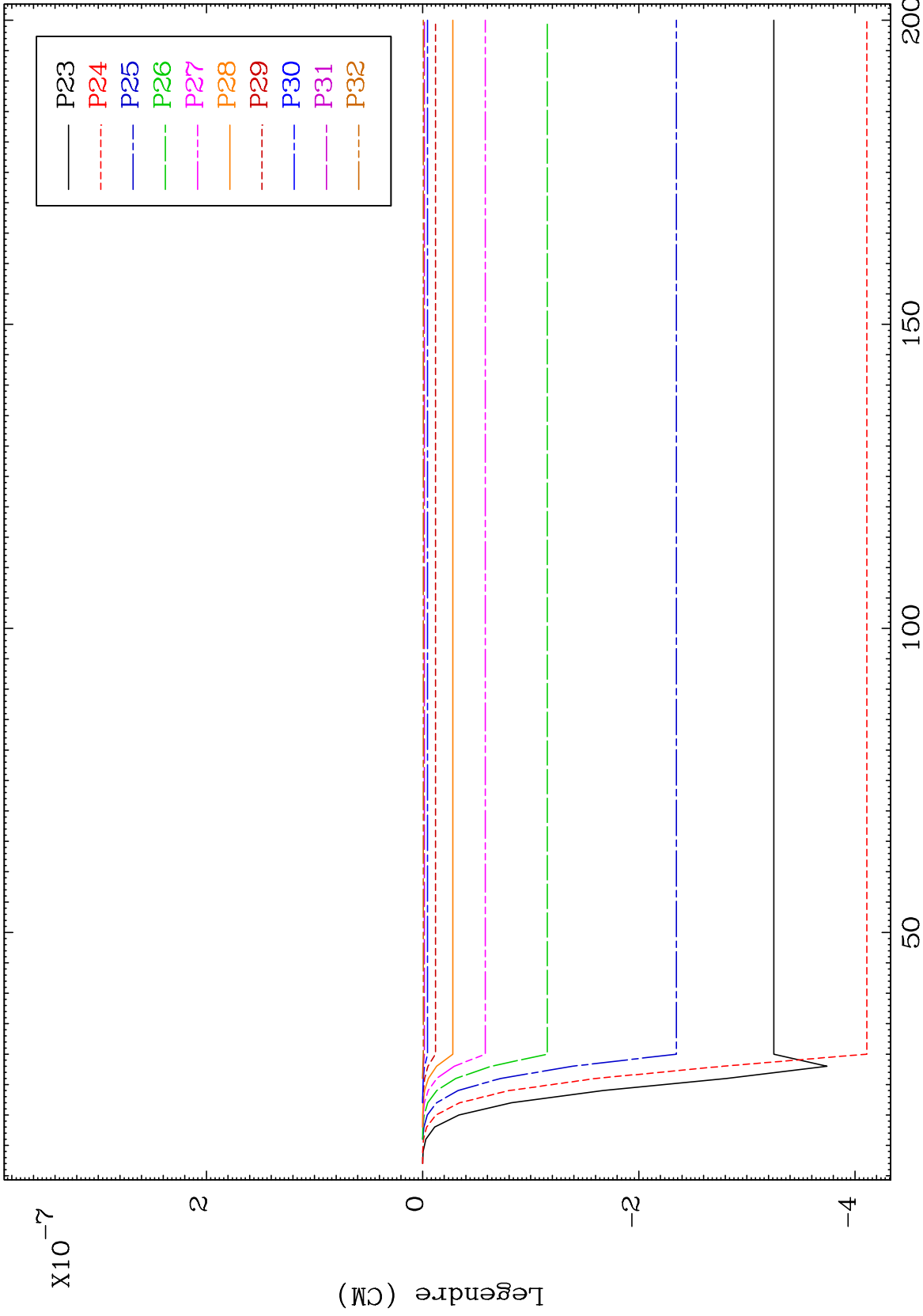
MAT 4298 MT= 58 (n,n') Level Legendre Coefficients 43-Tc-90



MAT 4298

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

43-Tc-90

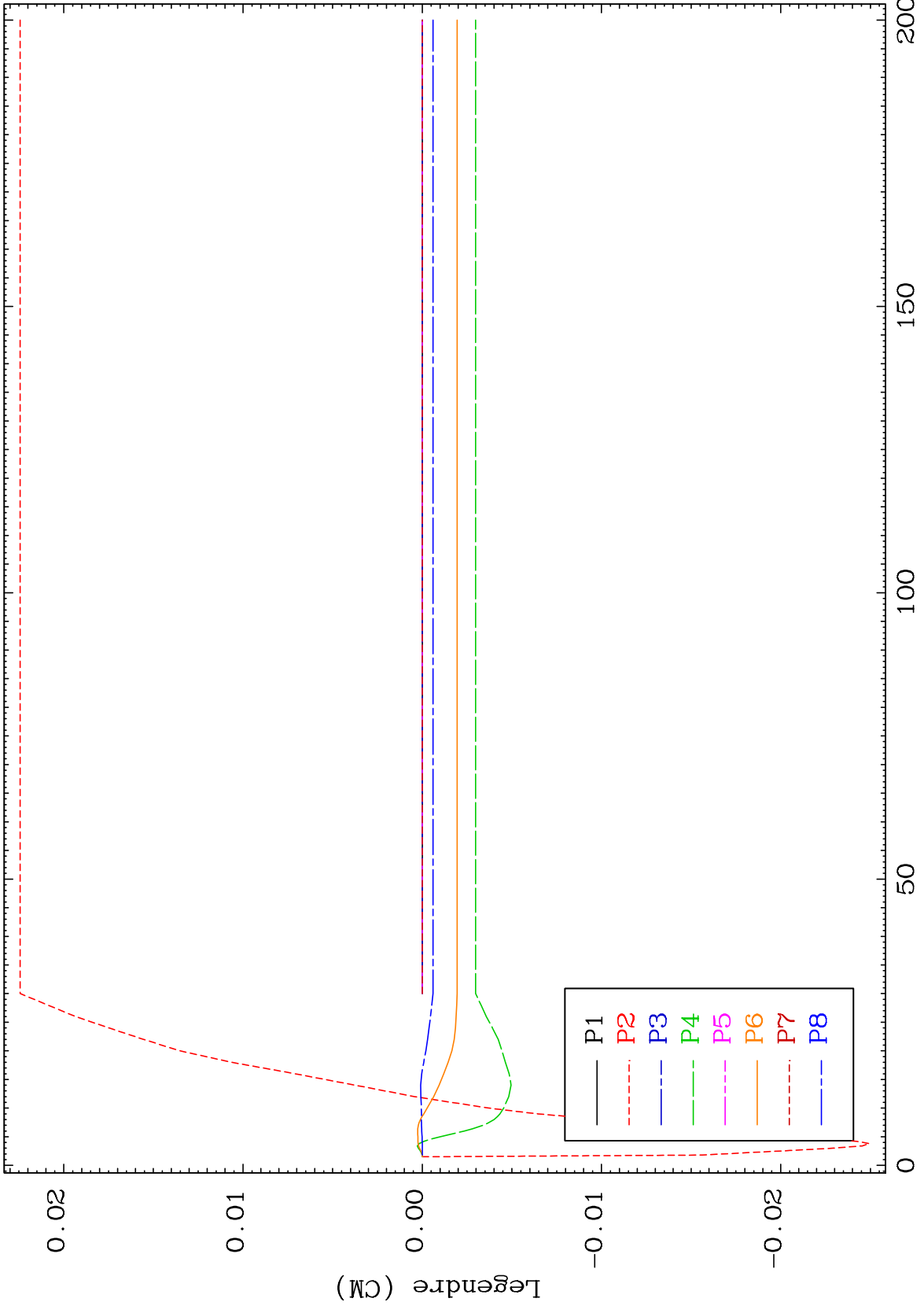


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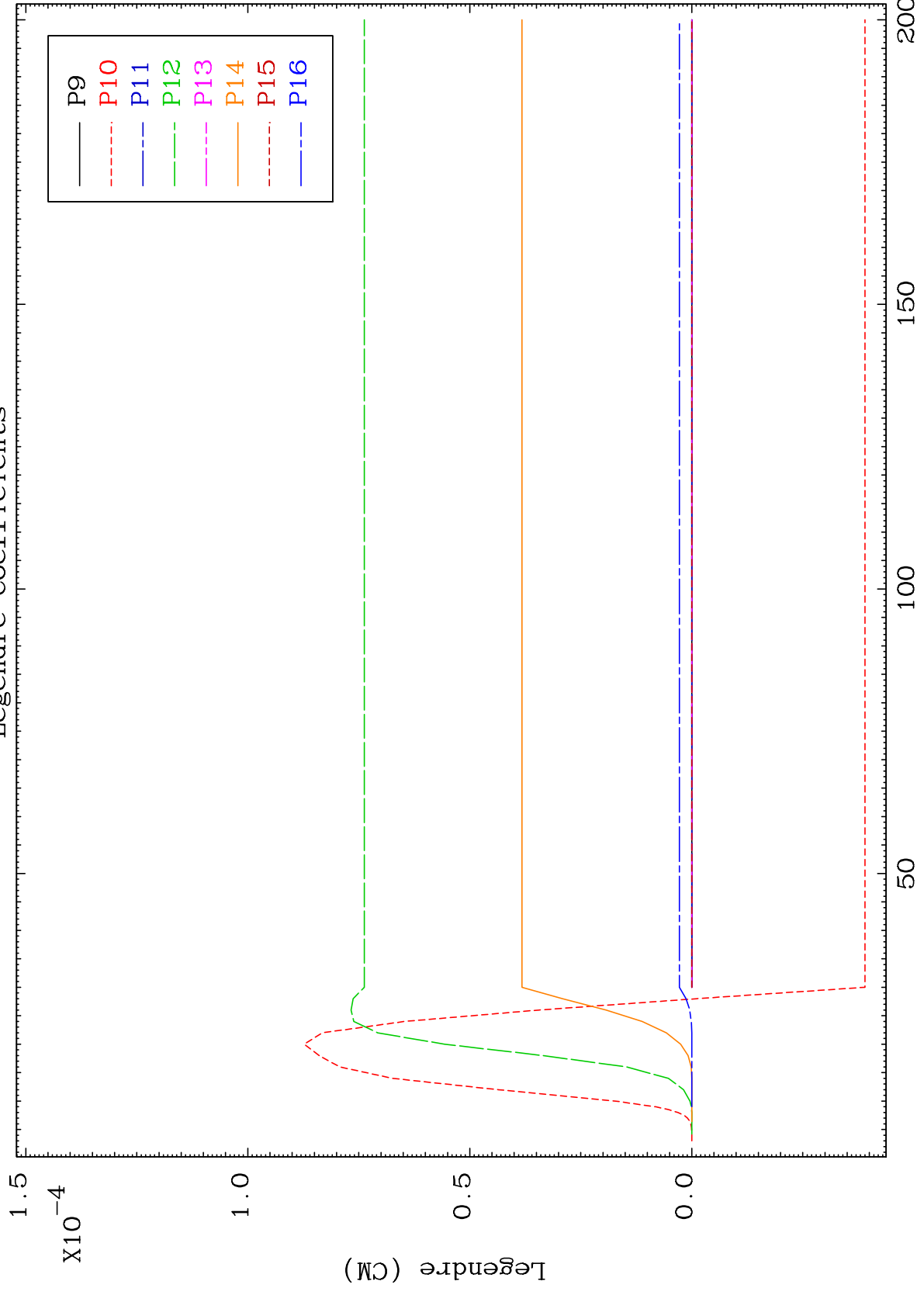
Incident Energy (MeV)

43-Tc-90

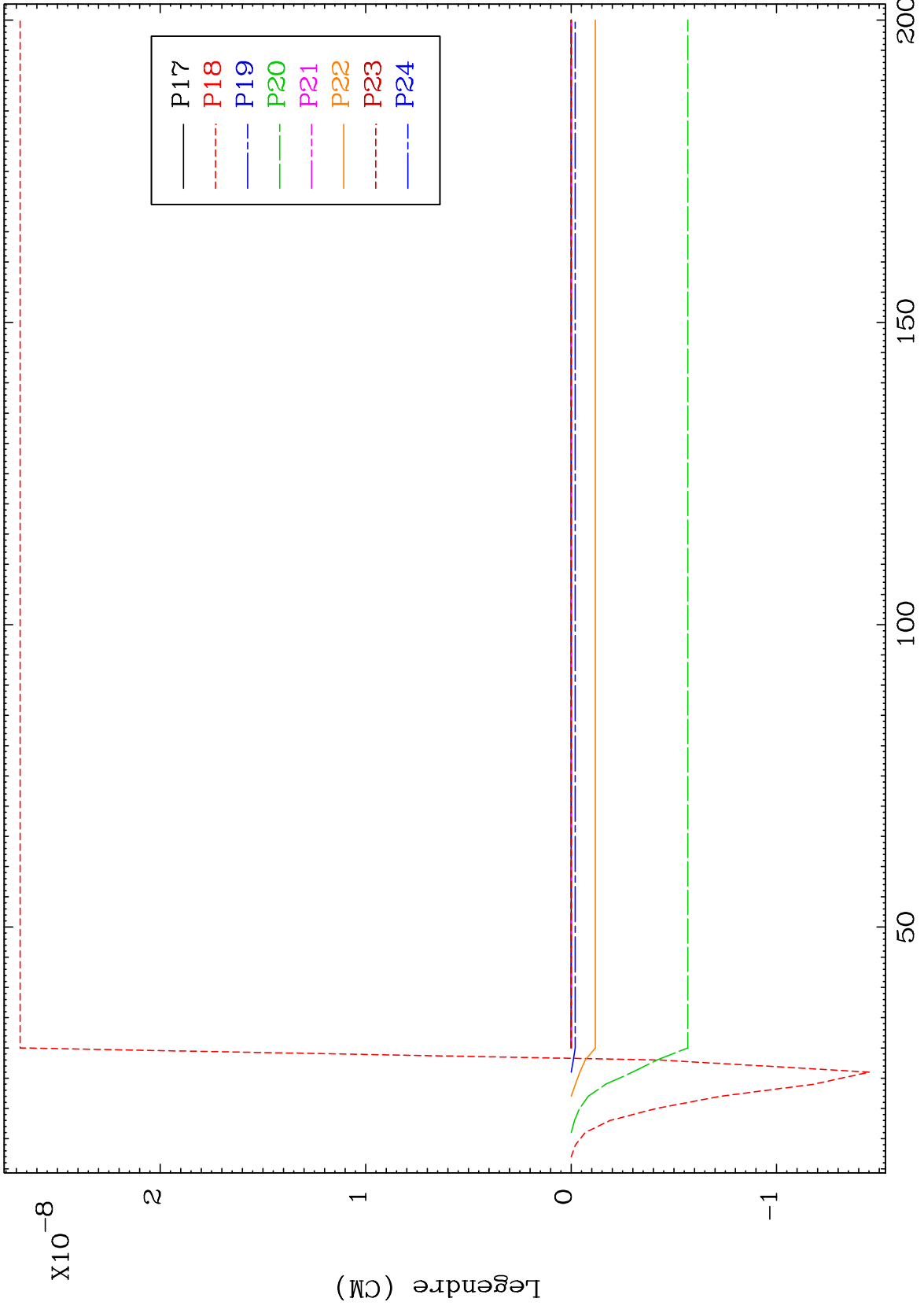
MAT 4298 MT= 59 (n,n') Level Legendre Coefficients 43-Tc-90



45 43-Tc-90



MAT 4298 MT= 59 (n,n') Level Legendre Coefficients 43-Tc-90

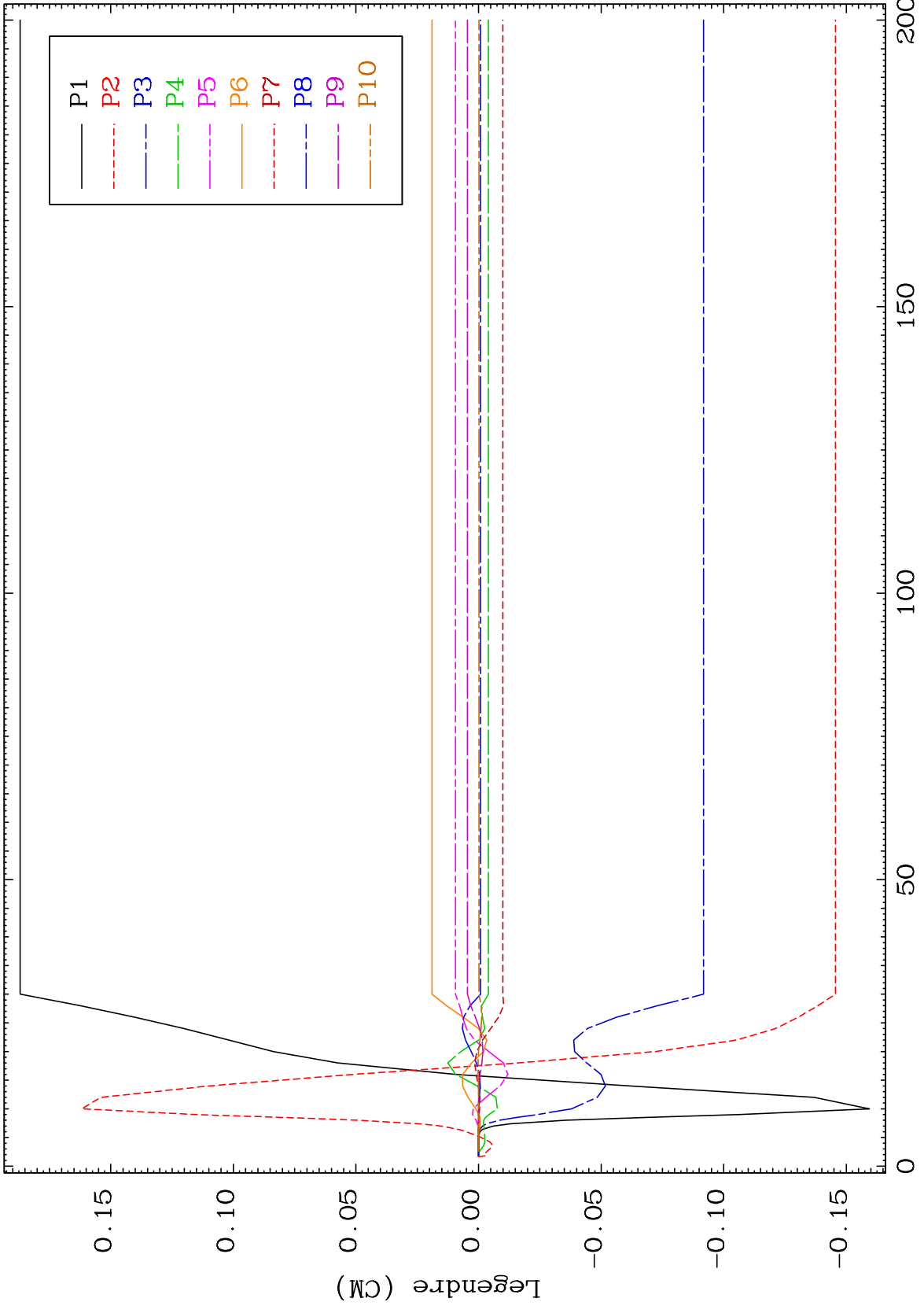


47 50 100 150 200 43-Tc-90

MAT 4298

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

43-Tc-90



48

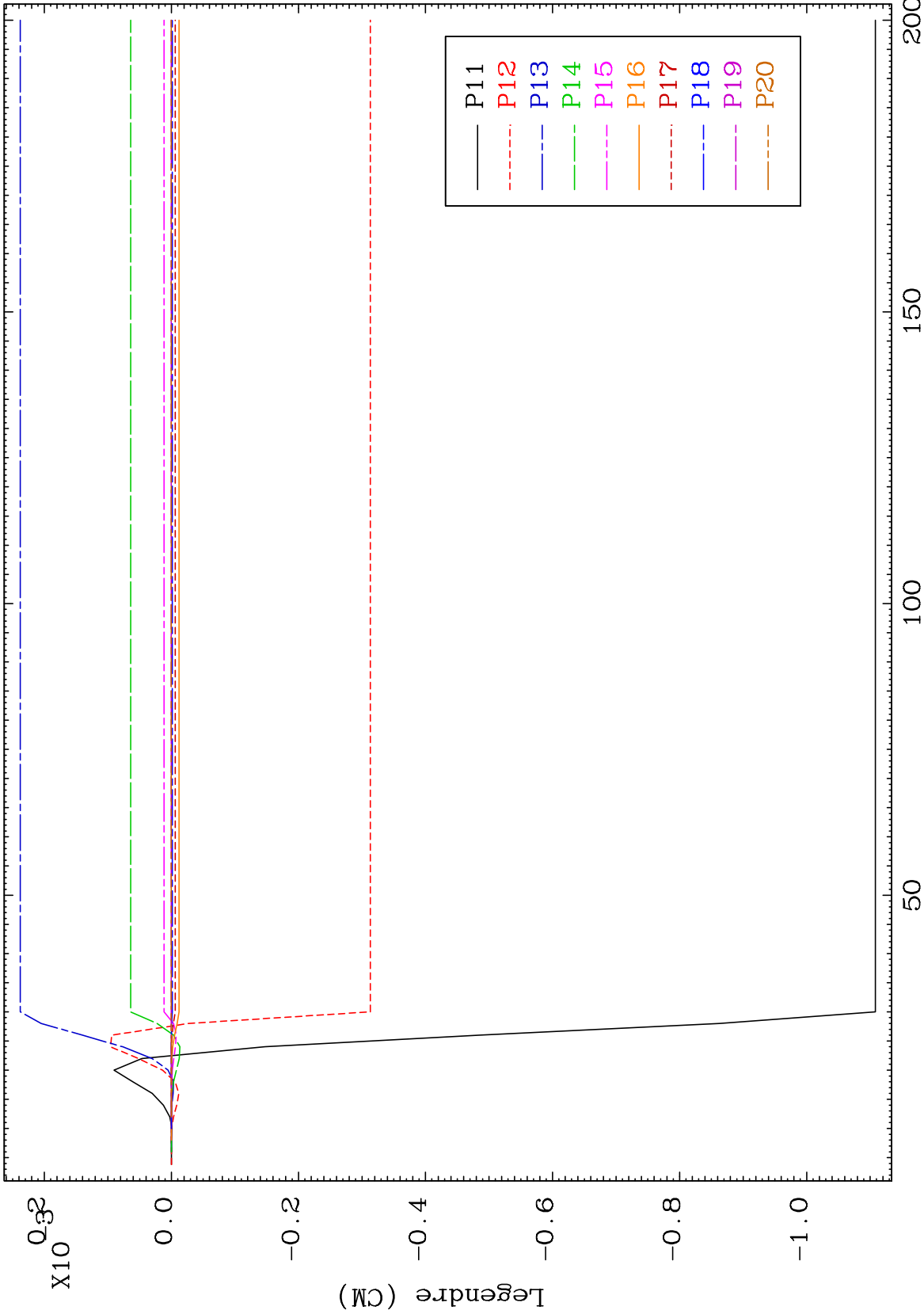
Incident Energy (MeV)

43-Tc-90

MAT 4298

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

43-Tc-90



49

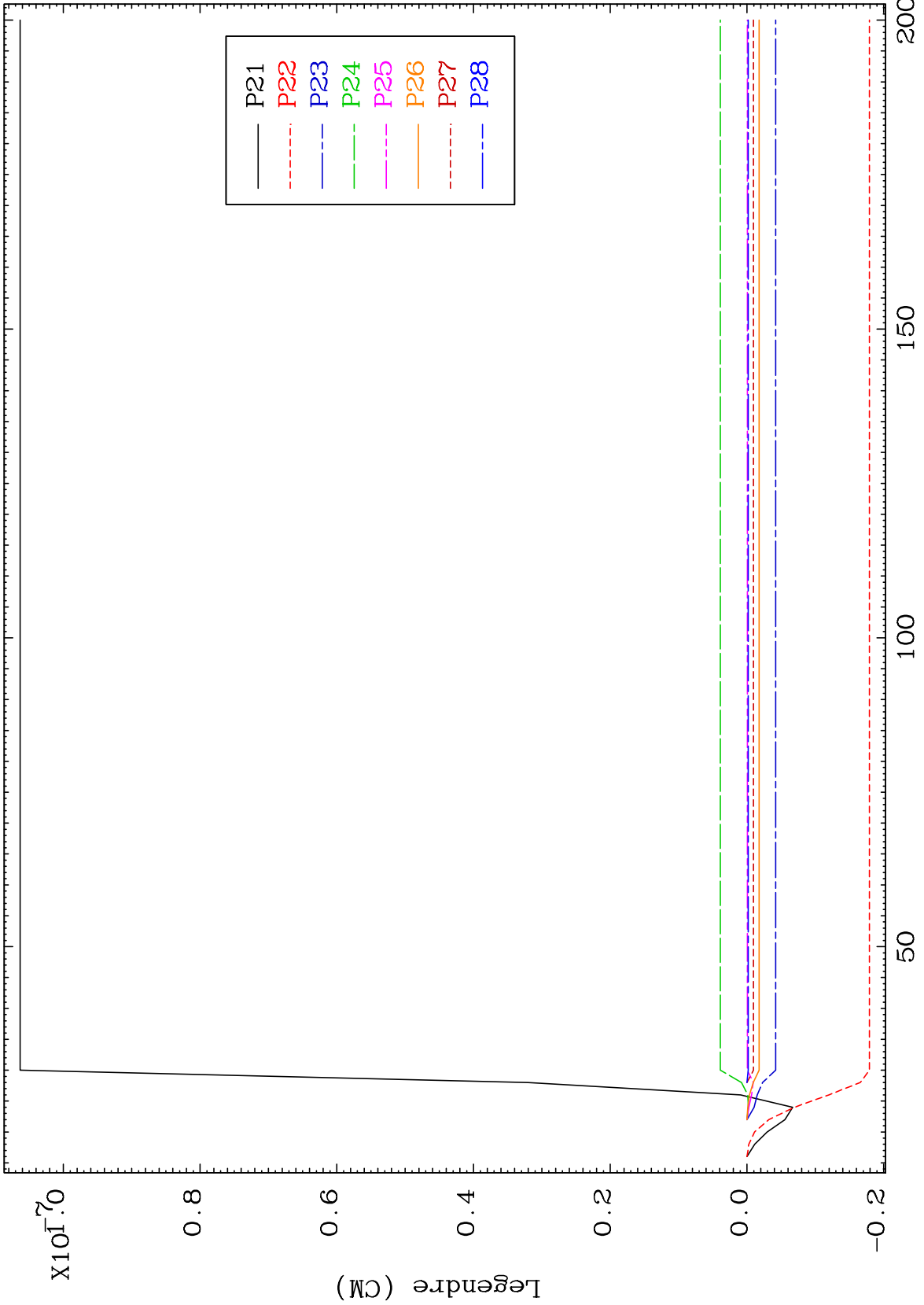
Incident Energy (MeV)

43-Tc-90

MAT 4298

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

43-Tc-90



50

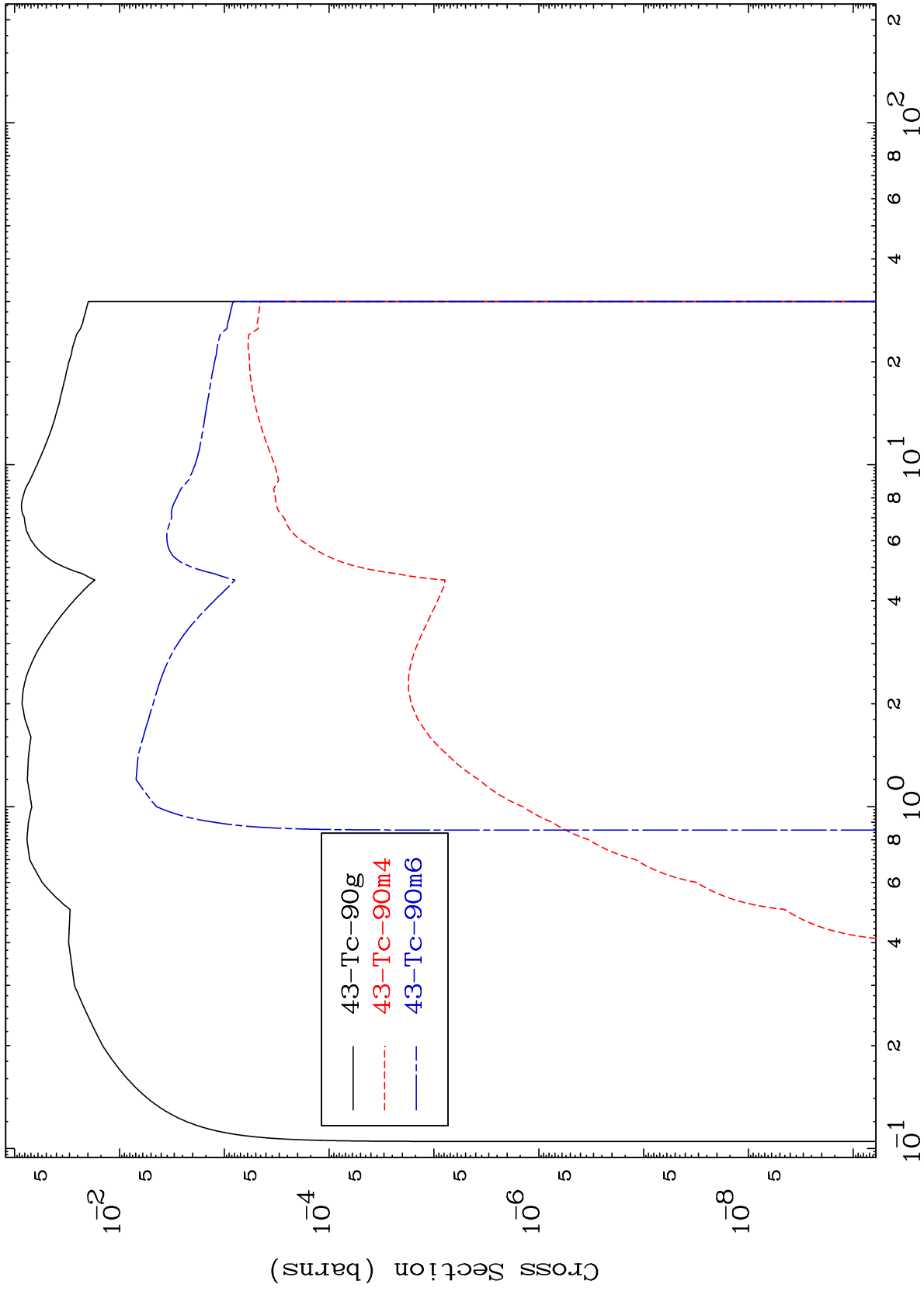
Incident Energy (MeV)

43-Tc-90

MAT 4298

43-Tc-90

Inelastic Radionuclide Production Cross Section



51

Incident Energy (MeV)

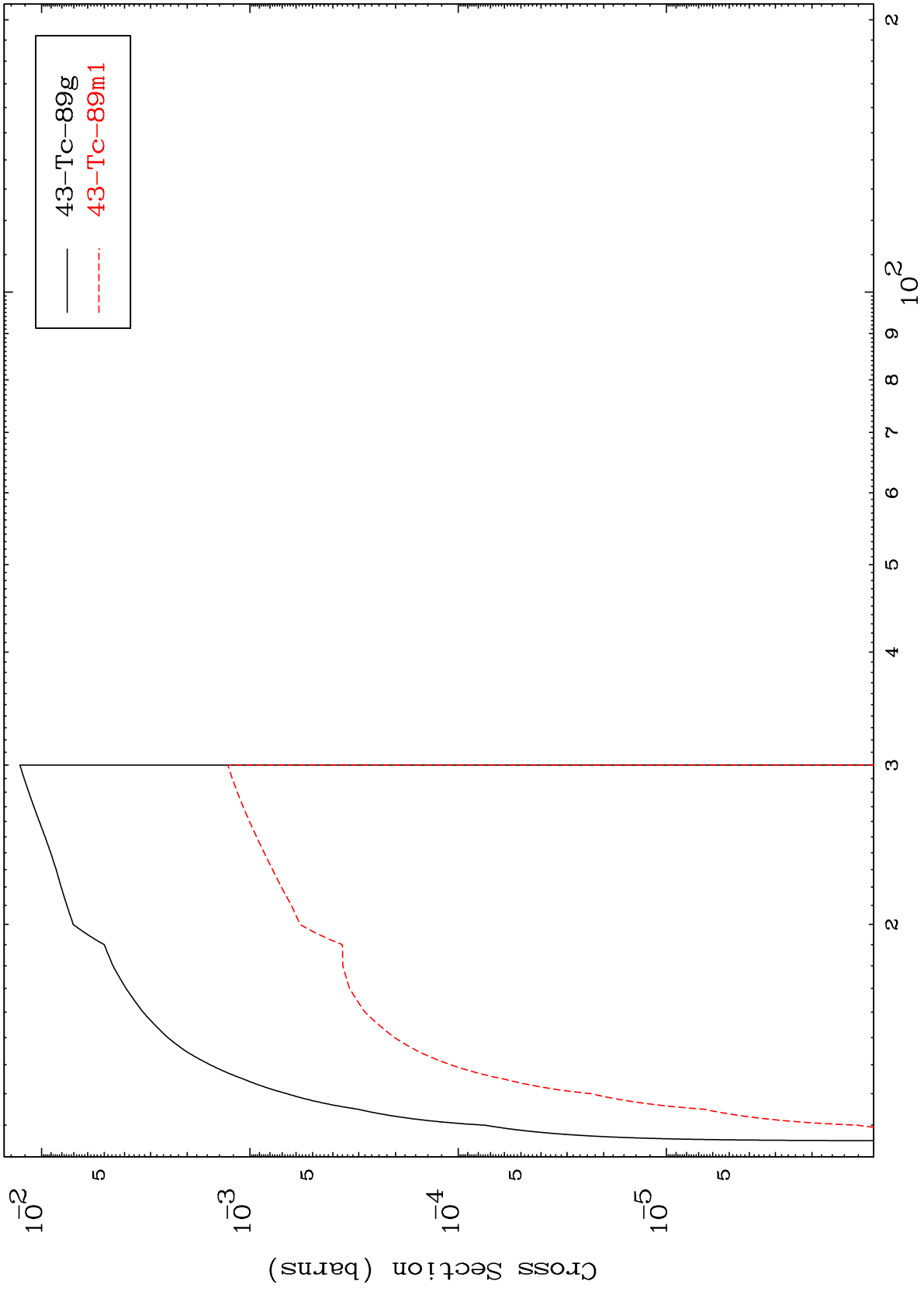
43-Tc-90

MAT 4298

(n,2n)

43-Tc-90

Radionuclide Production Cross Section



43-Tc-89g
43-Tc-89m1

52

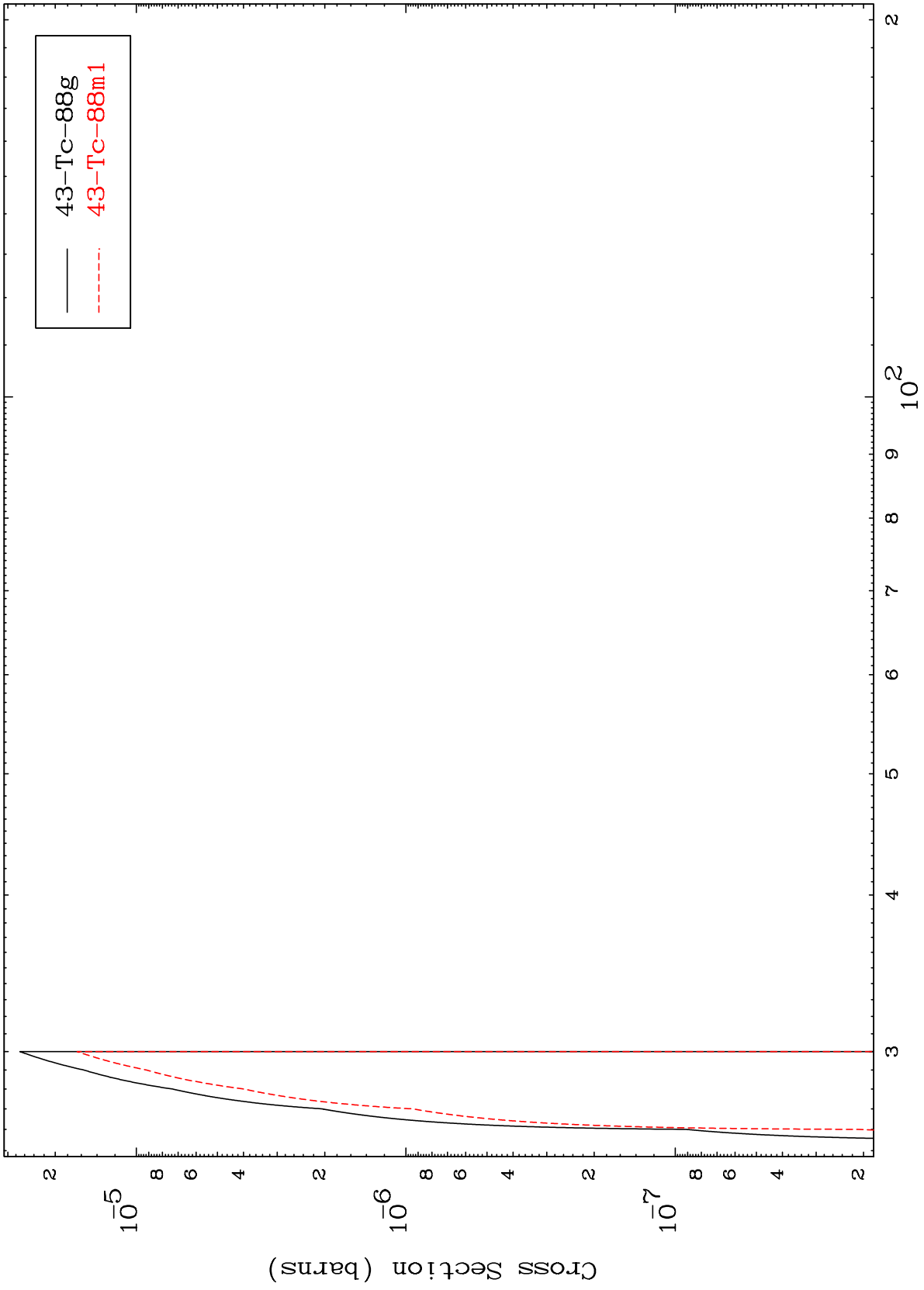
Incident Energy (MeV)

43-Tc-90

MAT 4298

43-Tc-90

(n,3n)
Radionuclide Production Cross Section



53

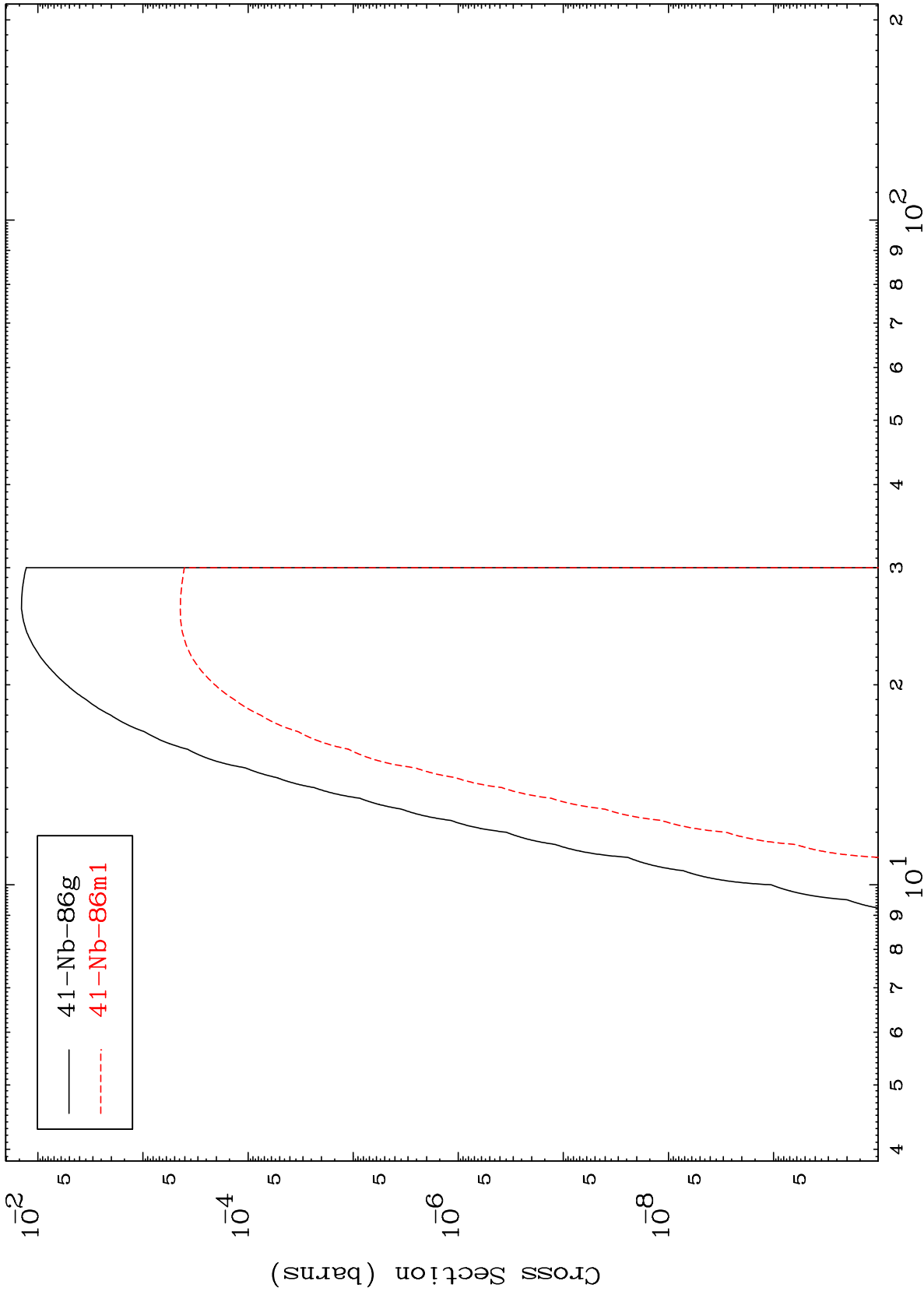
43-Tc-90

MAT 4298

(n,n') α

43-Tc-90

Radionuclide Production Cross Section



54

Incident Energy (MeV)

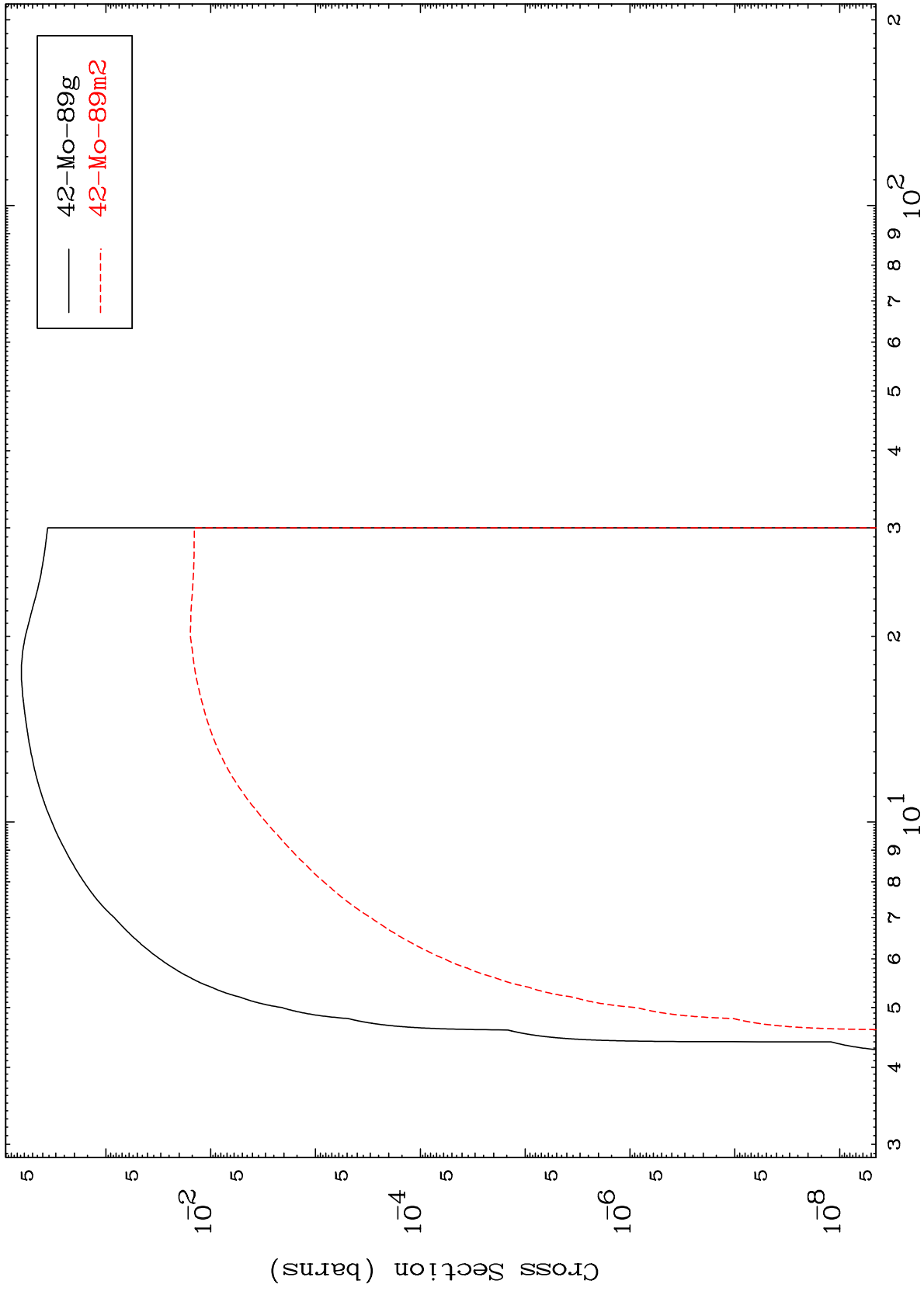
43-Tc-90

MAT 4298

(n,n') p

43-Tc-90

Radionuclide Production Cross Section



55

Incident Energy (MeV)

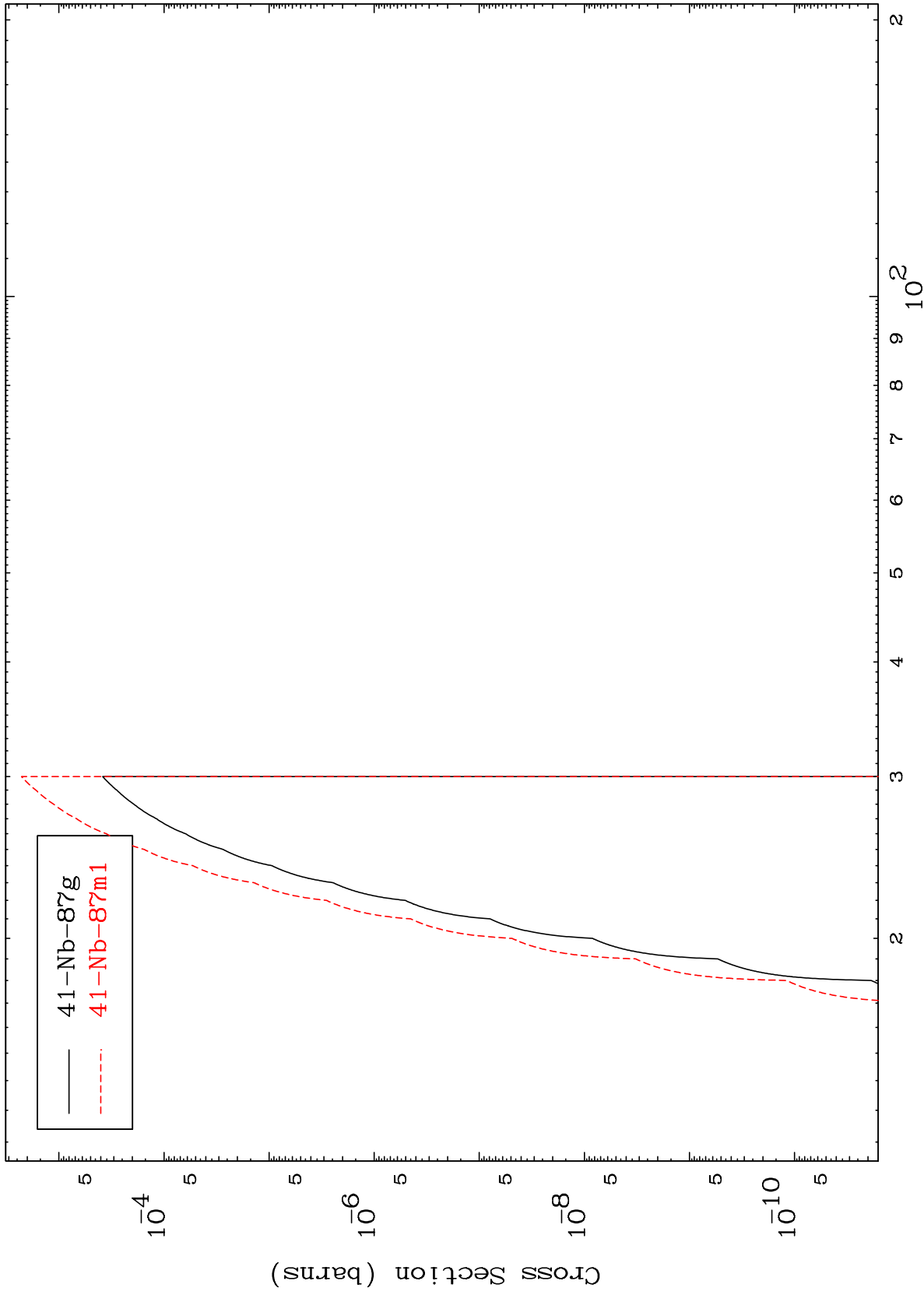
43-Tc-90

MAT 4298

(n, n') He-3

43-Tc-90

Radionuclide Production Cross Section



56

Incident Energy (MeV)

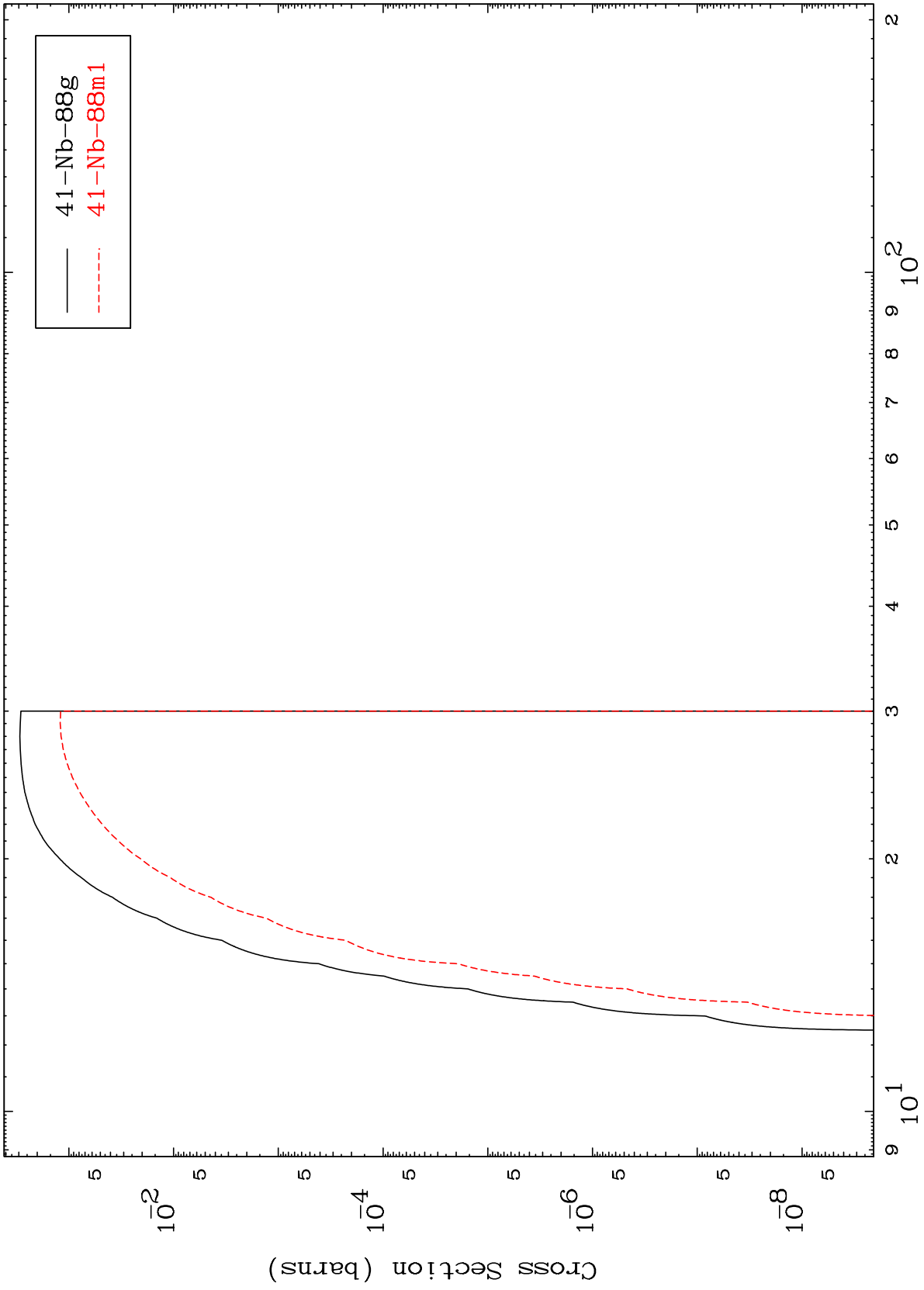
43-Tc-90

MAT 4298

(n,2n) p

43-Tc-90

Radionuclide Production Cross Section



57

Incident Energy (MeV)

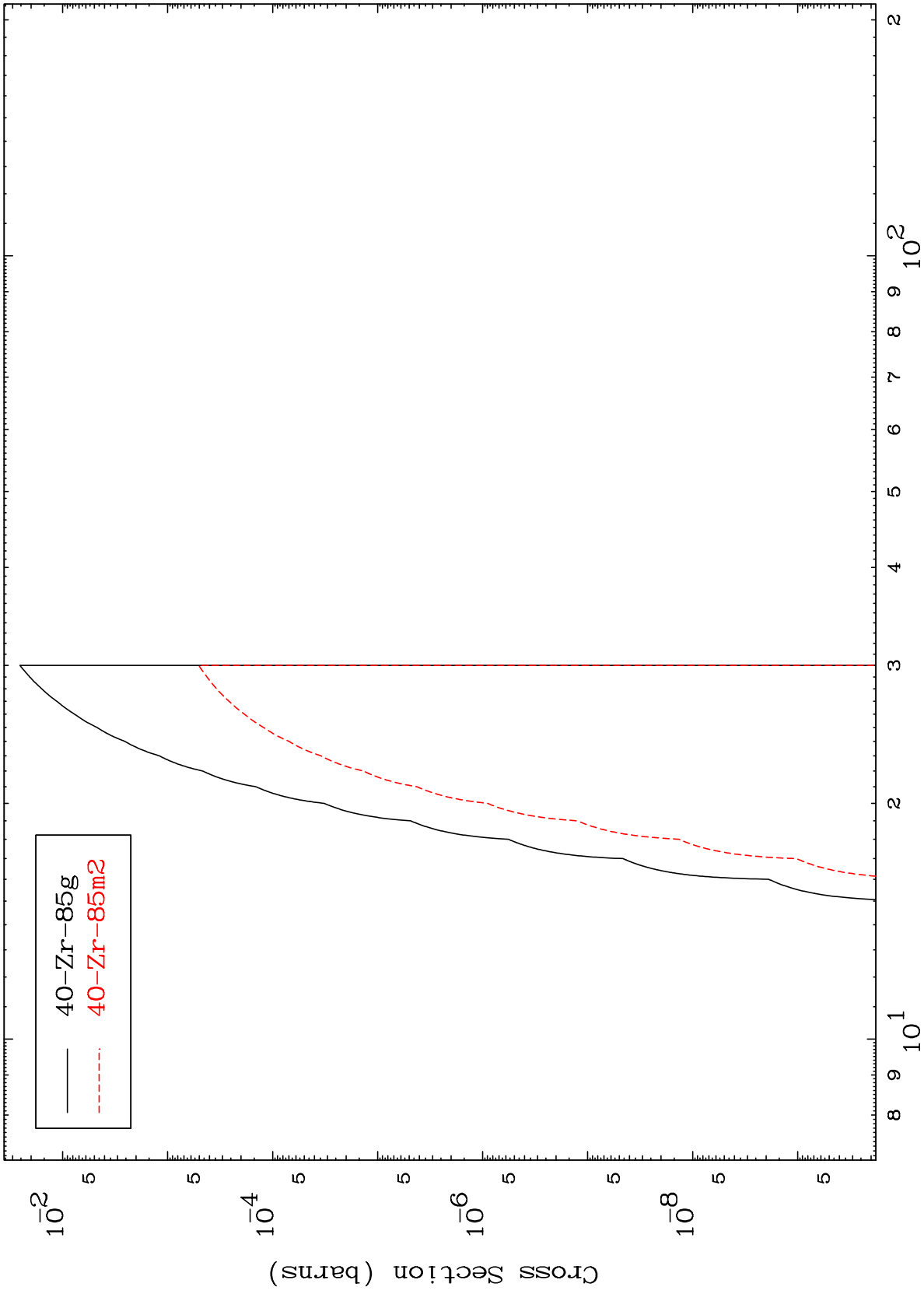
43-Tc-90

MAT 4298

(n,n') p α

43-Tc-90

Radionuclide Production Cross Section



58

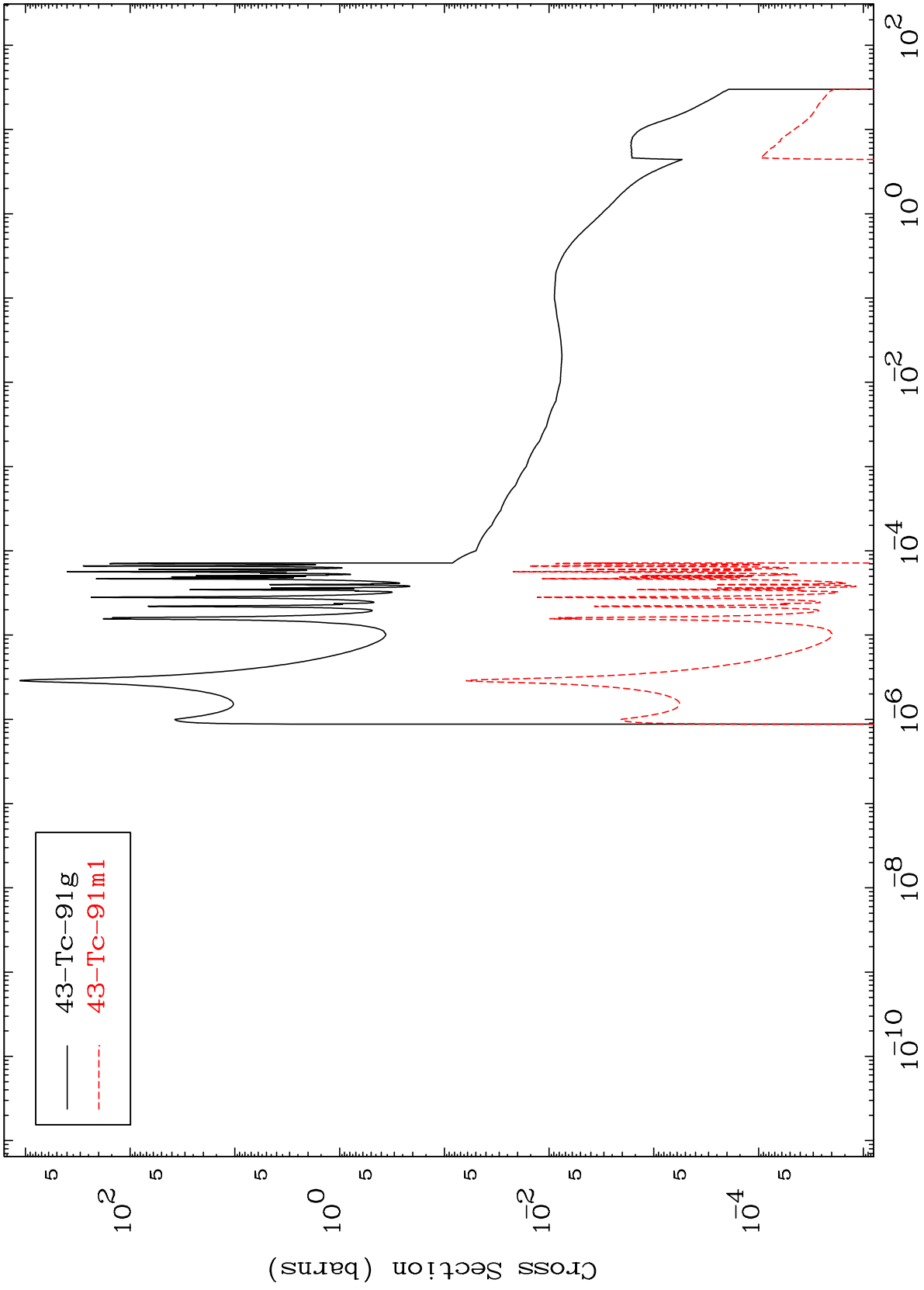
Incident Energy (MeV)

43-Tc-90

MAT 4298

43-Tc-90

Radionuclide Production Cross Section (n,γ)



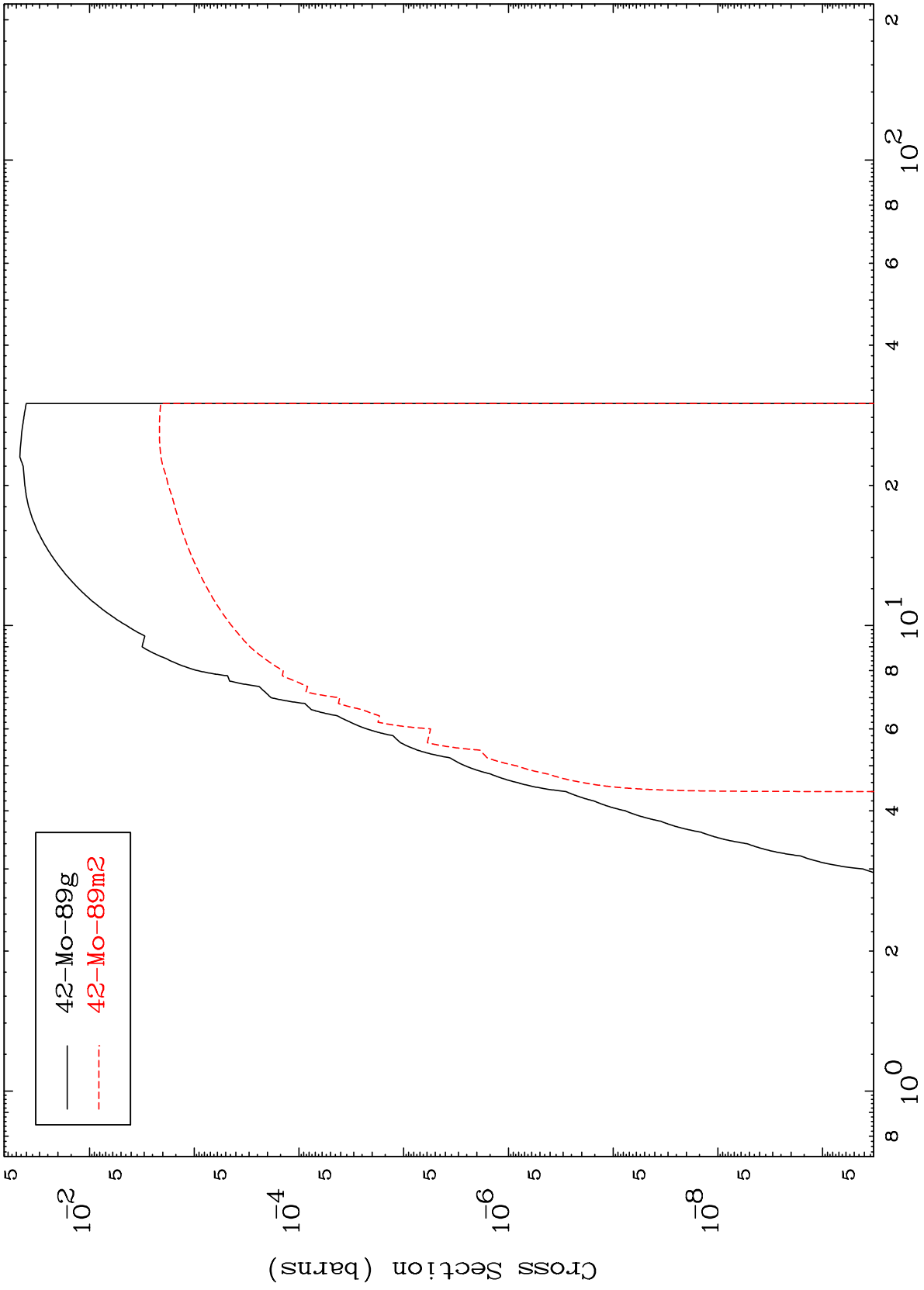
59

43-Tc-90

MAT 4298

(n,d)
Radionuclide Production Cross Section

⁴³Tc-90



60

Incident Energy (MeV)

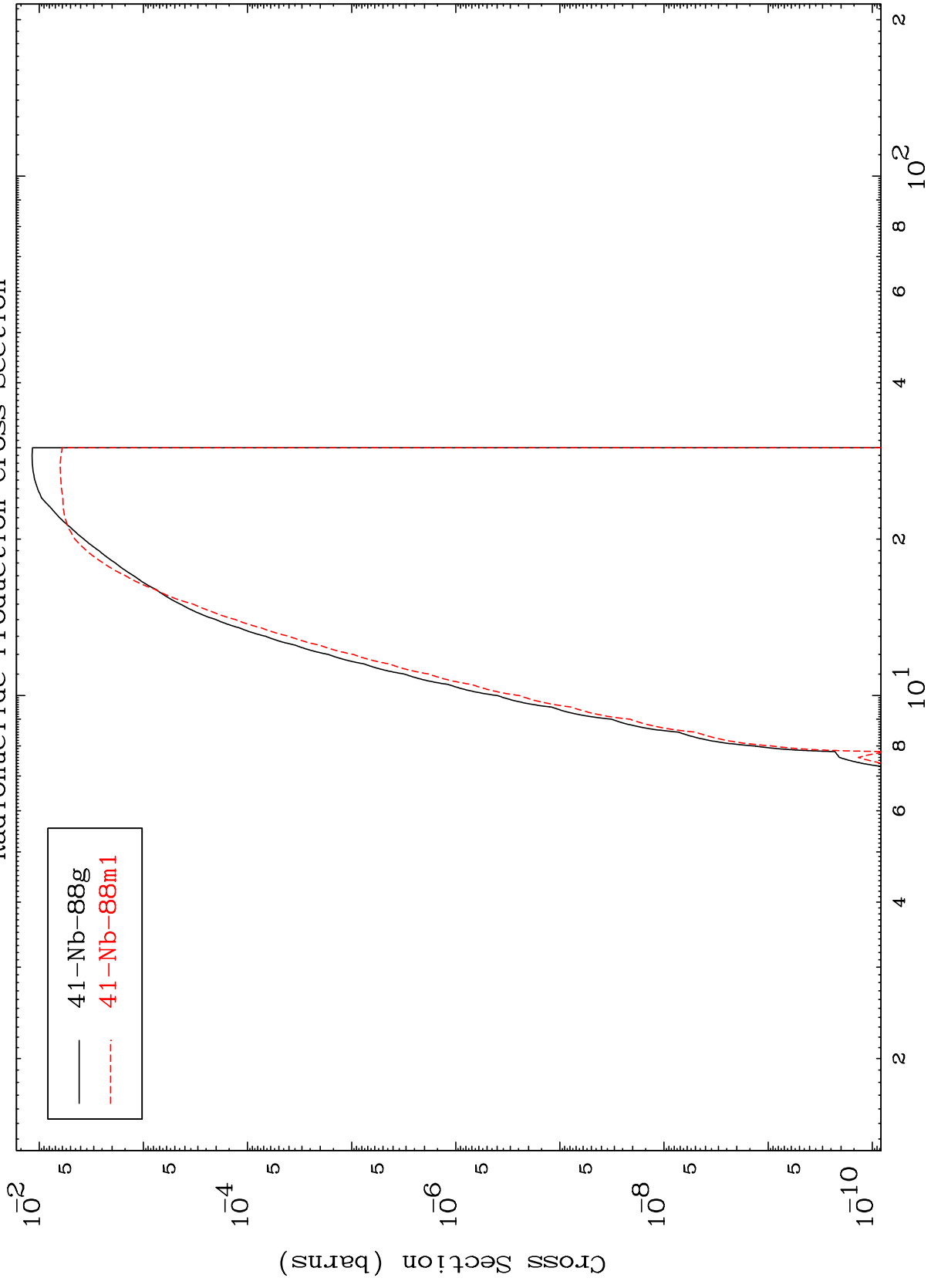
⁴³Tc-90

MAT 4298

(n, He-3)

43-Tc-90

Radionuclide Production Cross Section

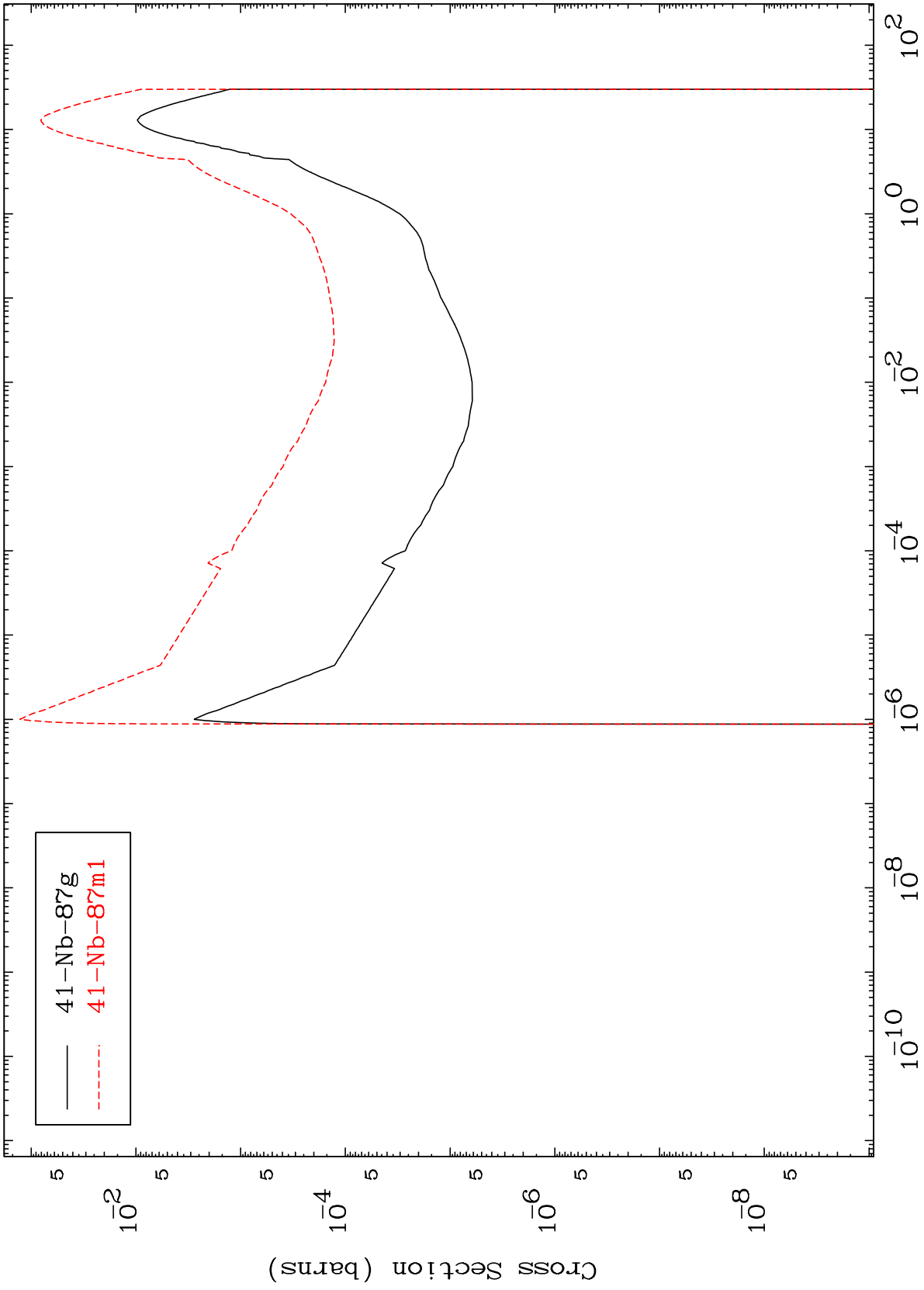


61

MAT 4298

43-Tc-90

(n,α)
Radionuclide Production Cross Section



— 41-Nb-87g
- - - 41-Nb-87m1

62

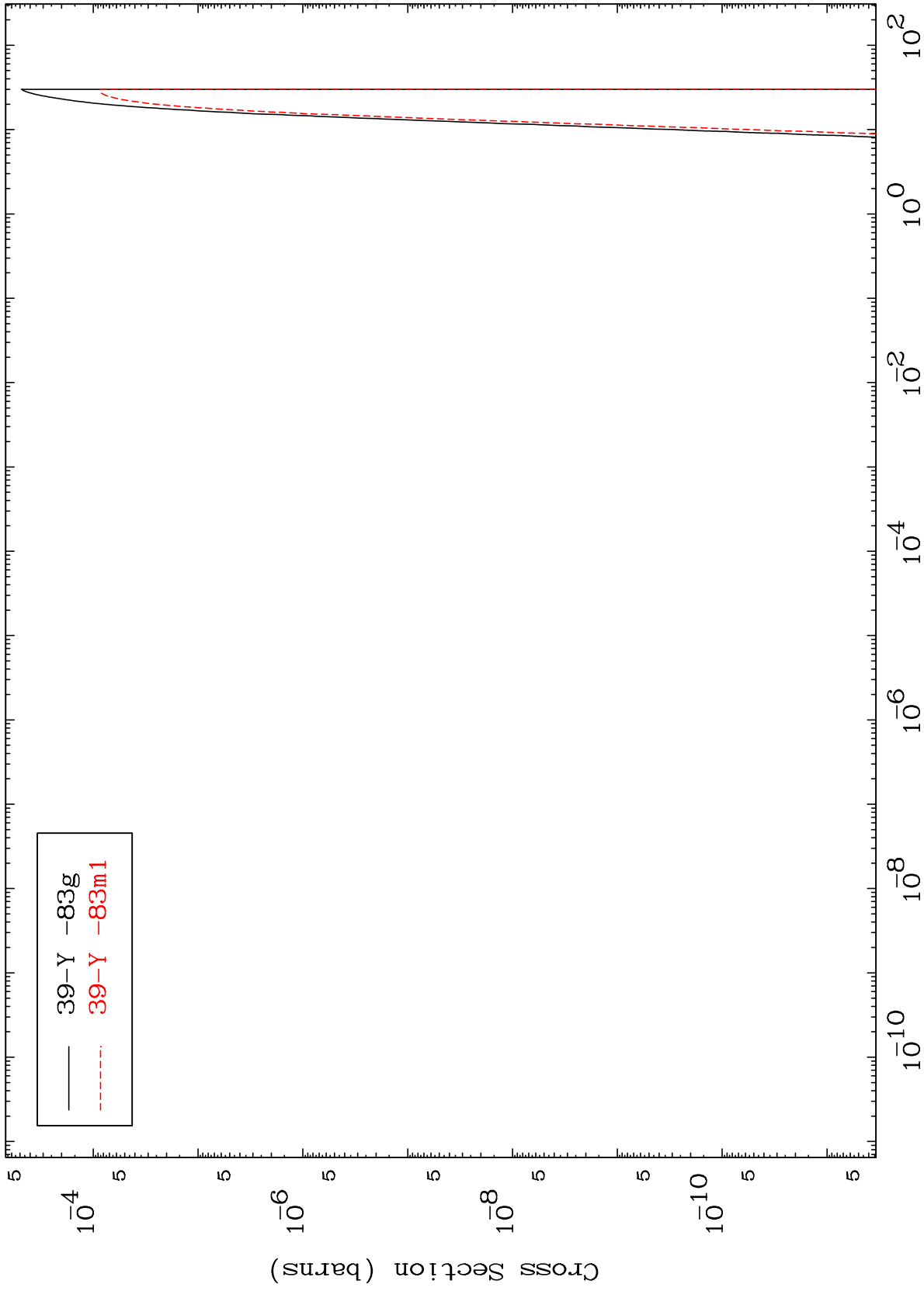
43-Tc-90

MAT 4298

(n,2α)

43-Tc-90

Radionuclide Production Cross Section



63

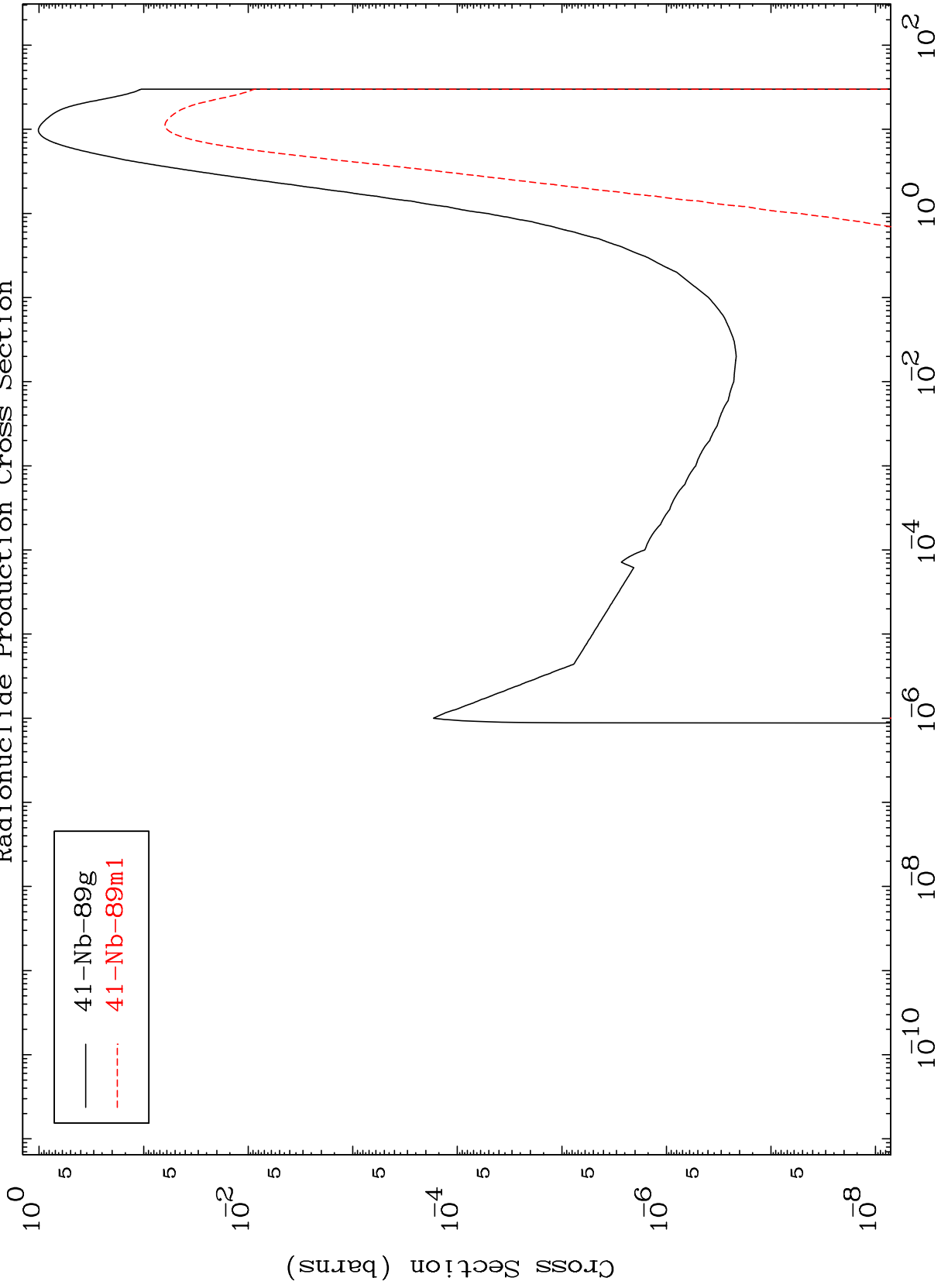
Incident Energy (MeV)

43-Tc-90

MAT 4298

Radionuclide Production Cross Section
(n,2p)

43-Tc-90



64

Incident Energy (MeV)

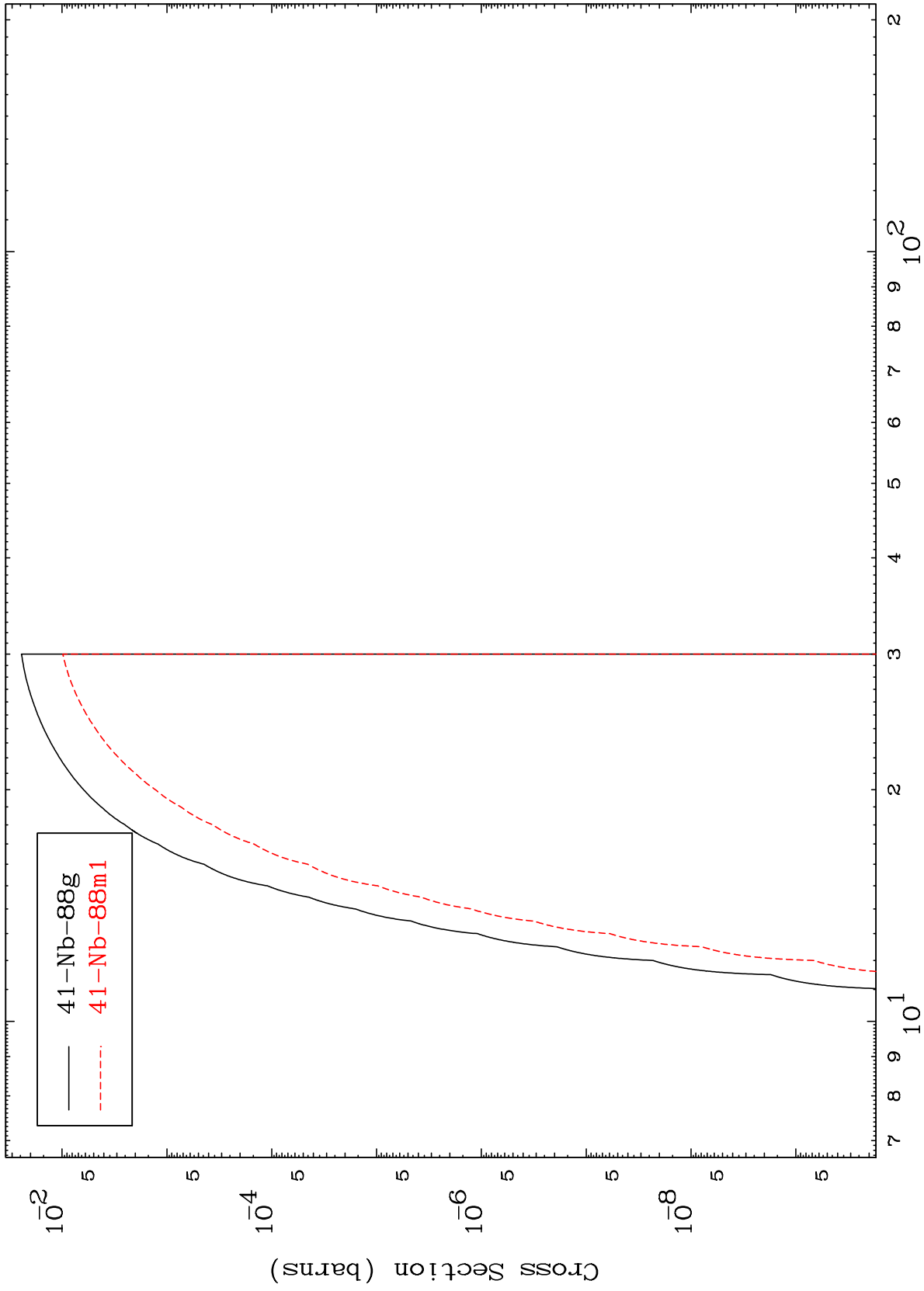
43-Tc-90

MAT 4298

(n,p) d

43-Tc-90

Radionuclide Production Cross Section



65

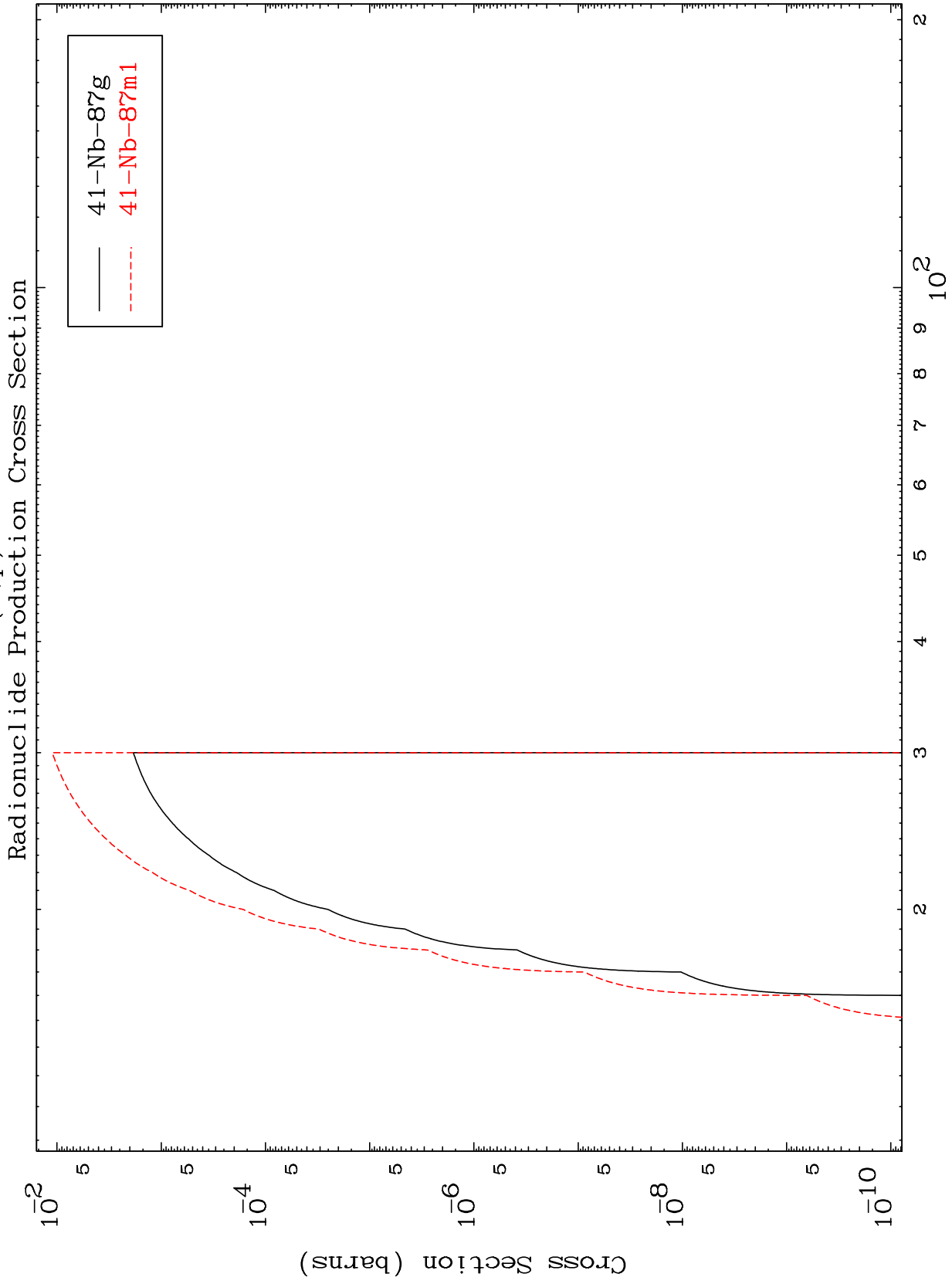
Incident Energy (MeV)

43-Tc-90

MAT 4298

(n,p) t

43-Tc-90



66

Incident Energy (MeV)

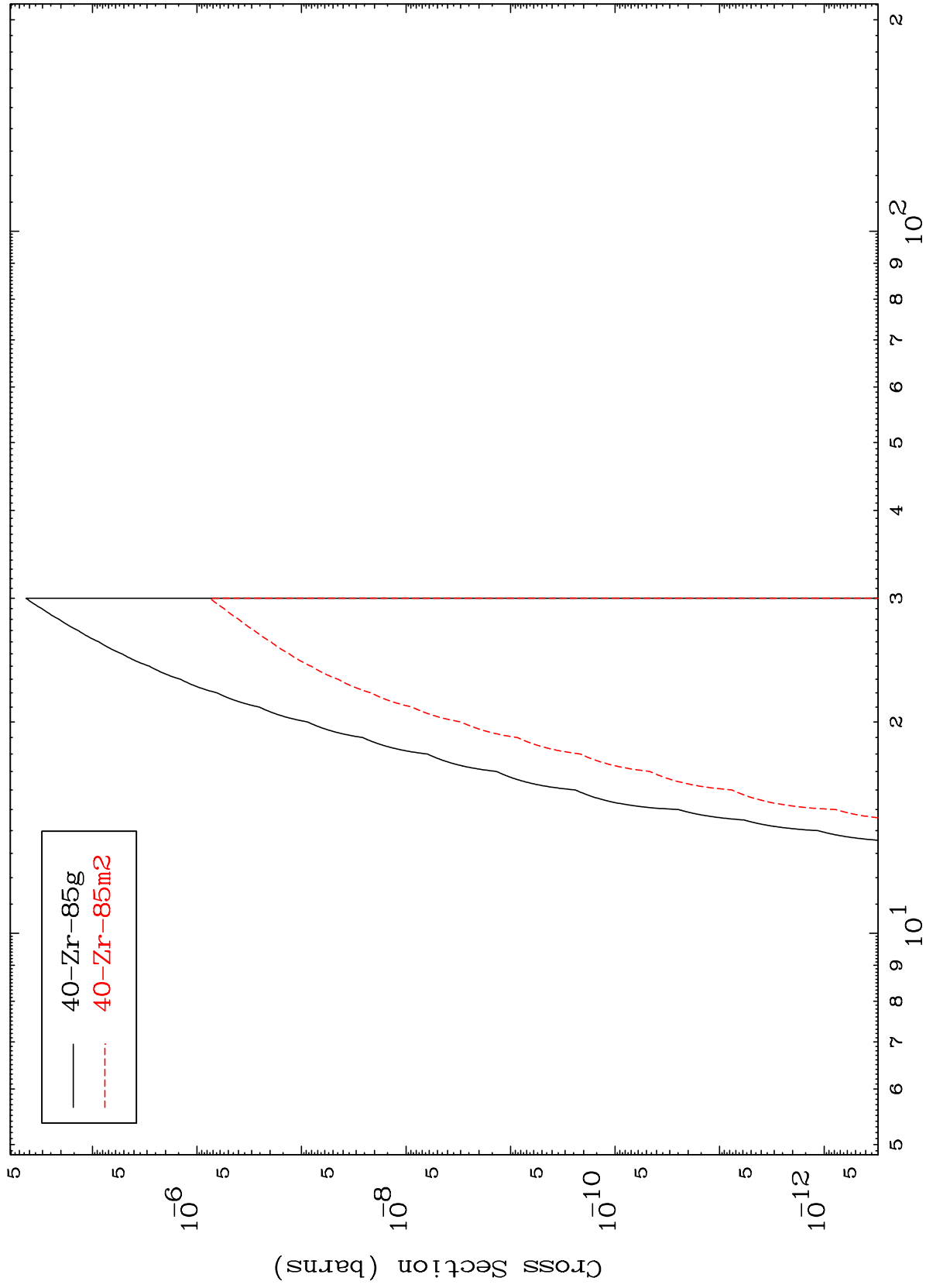
43-Tc-90

MAT 4298

(n,d) α

43-Tc-90

Radionuclide Production Cross Section



67

Incident Energy (MeV)

43-Tc-90