

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

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

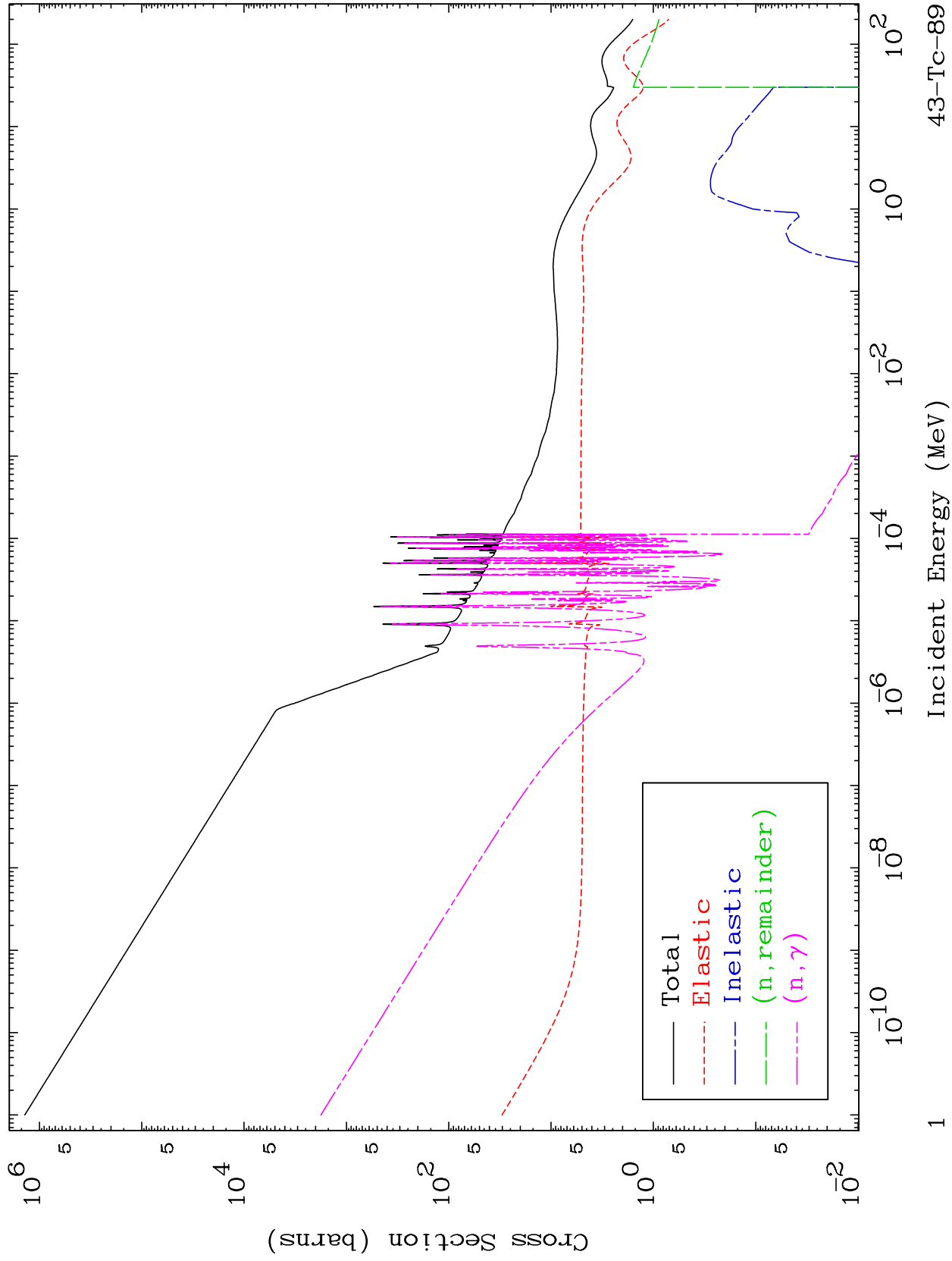
Press Mouse Button to Start

MAT 4295

Major

293 Kelvin Cross Sections

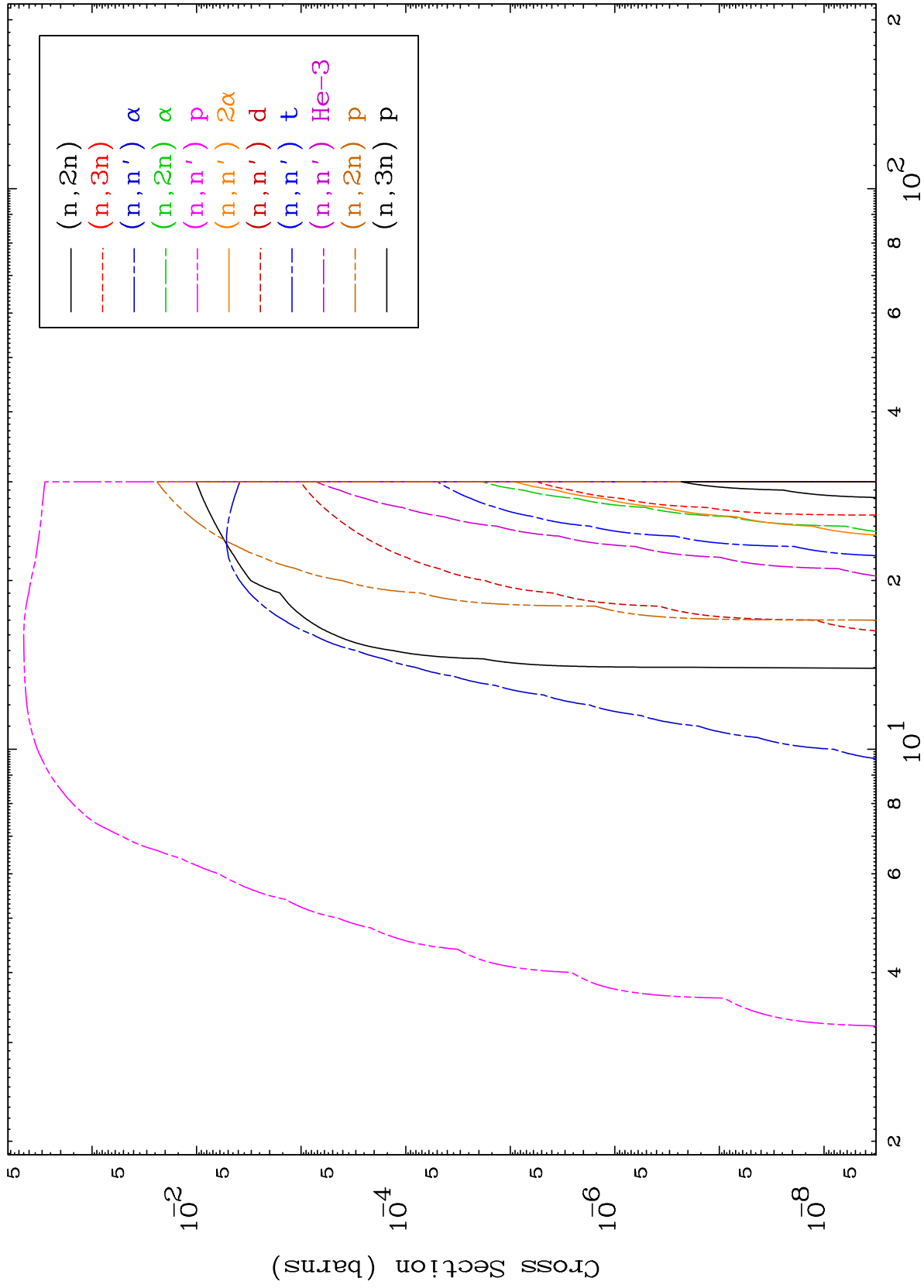
43-Tc-89



MAT 4295

Neutron Production 293 Kelvin Cross Sections

43-Tc-89



2

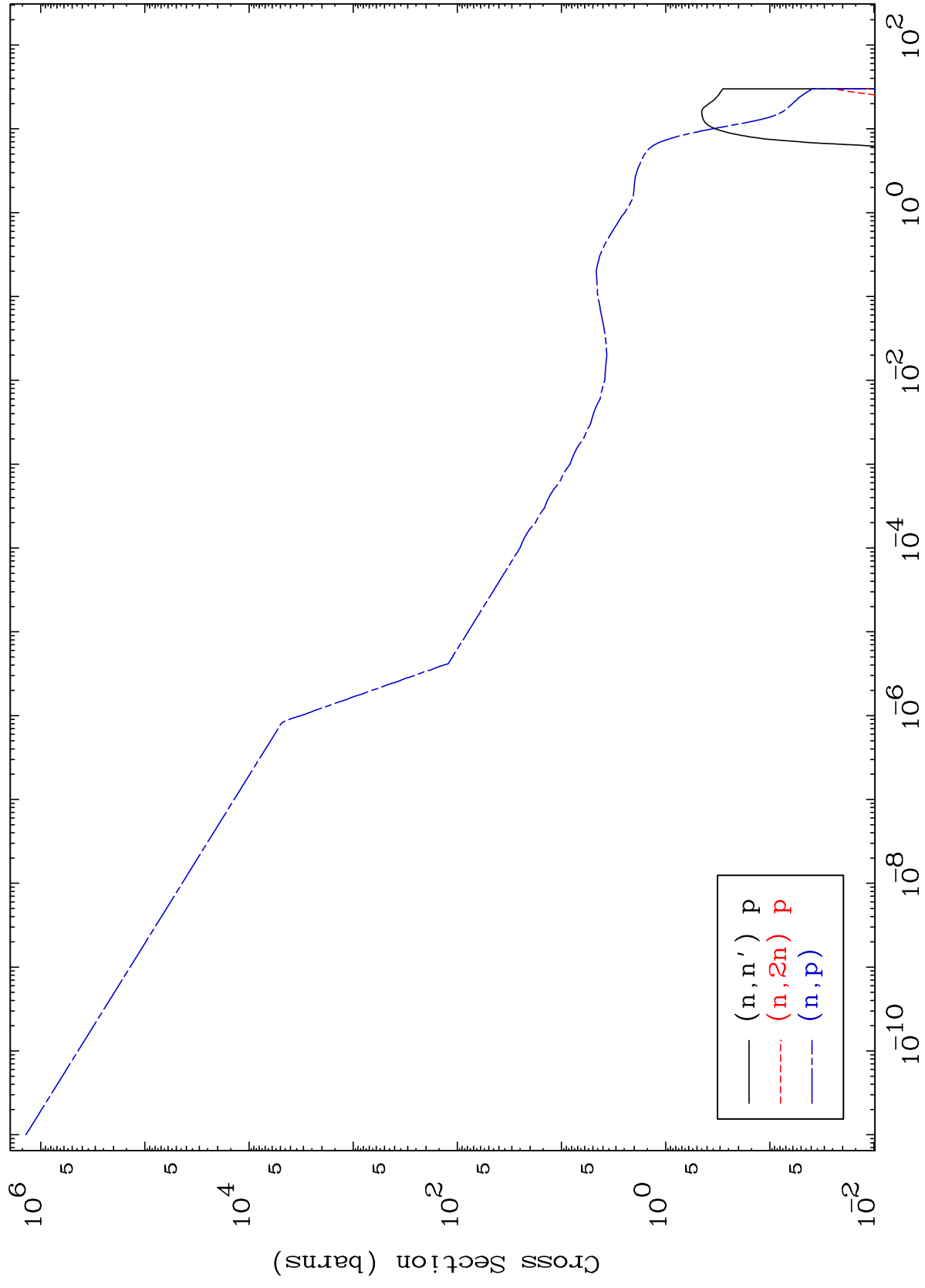
Incident Energy (MeV)

43-Tc-89

MAT 4295

Charged Particle
293 Kelvin Cross Sections

43-Tc-89

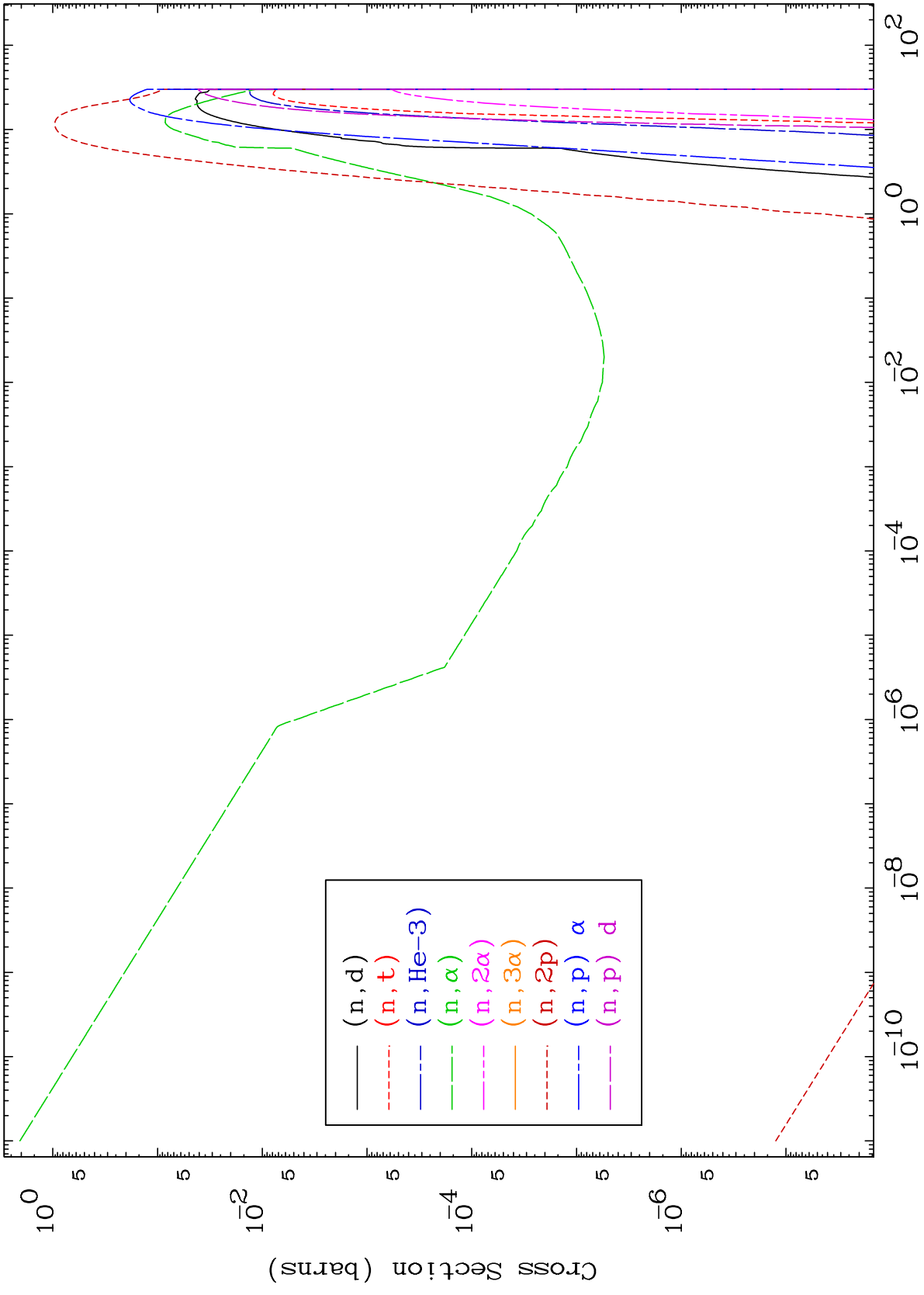


43-Tc-89

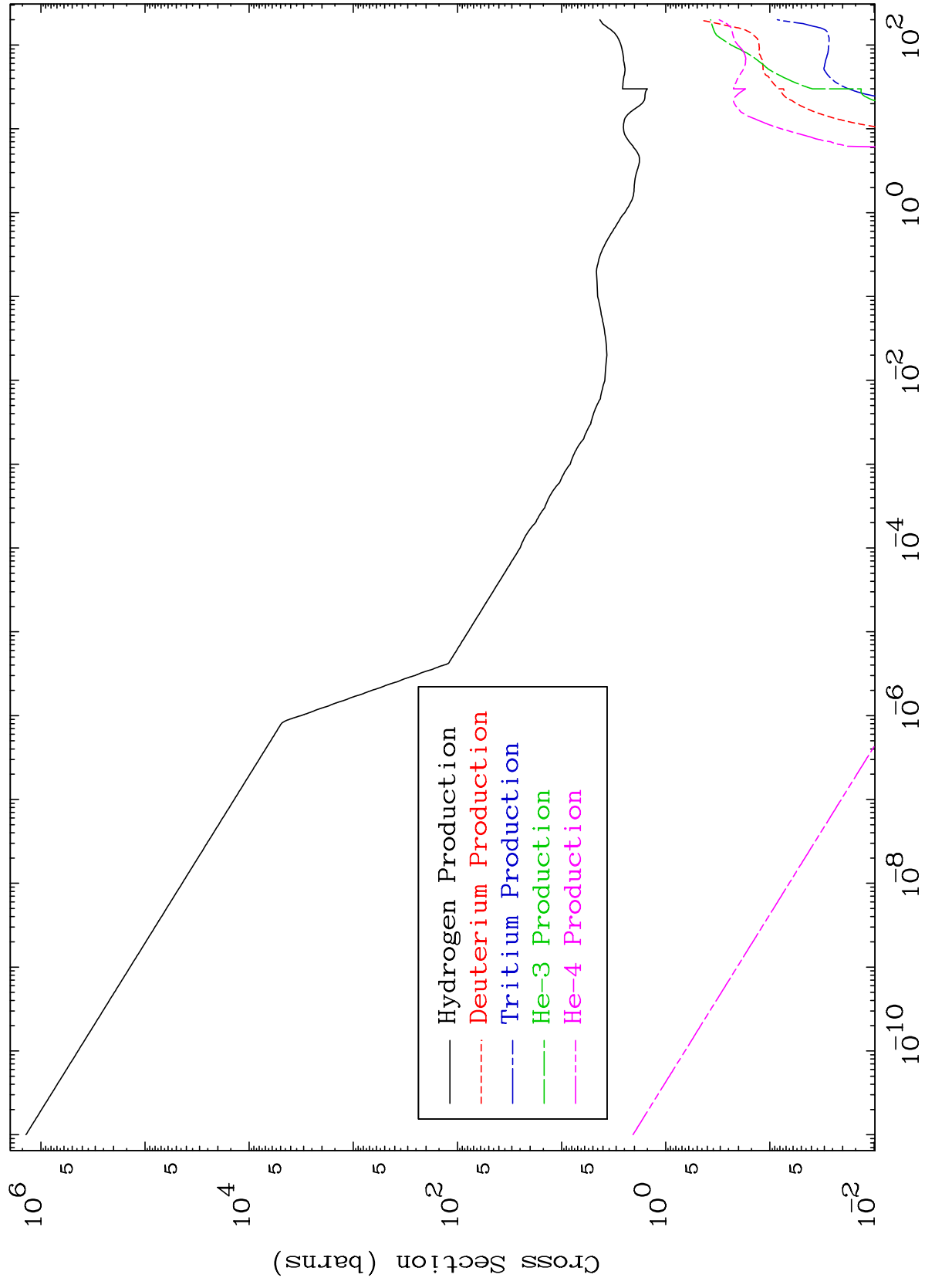
MAT 4295

Charged Particle
293 Kelvin Cross Sections

43-Tc-89



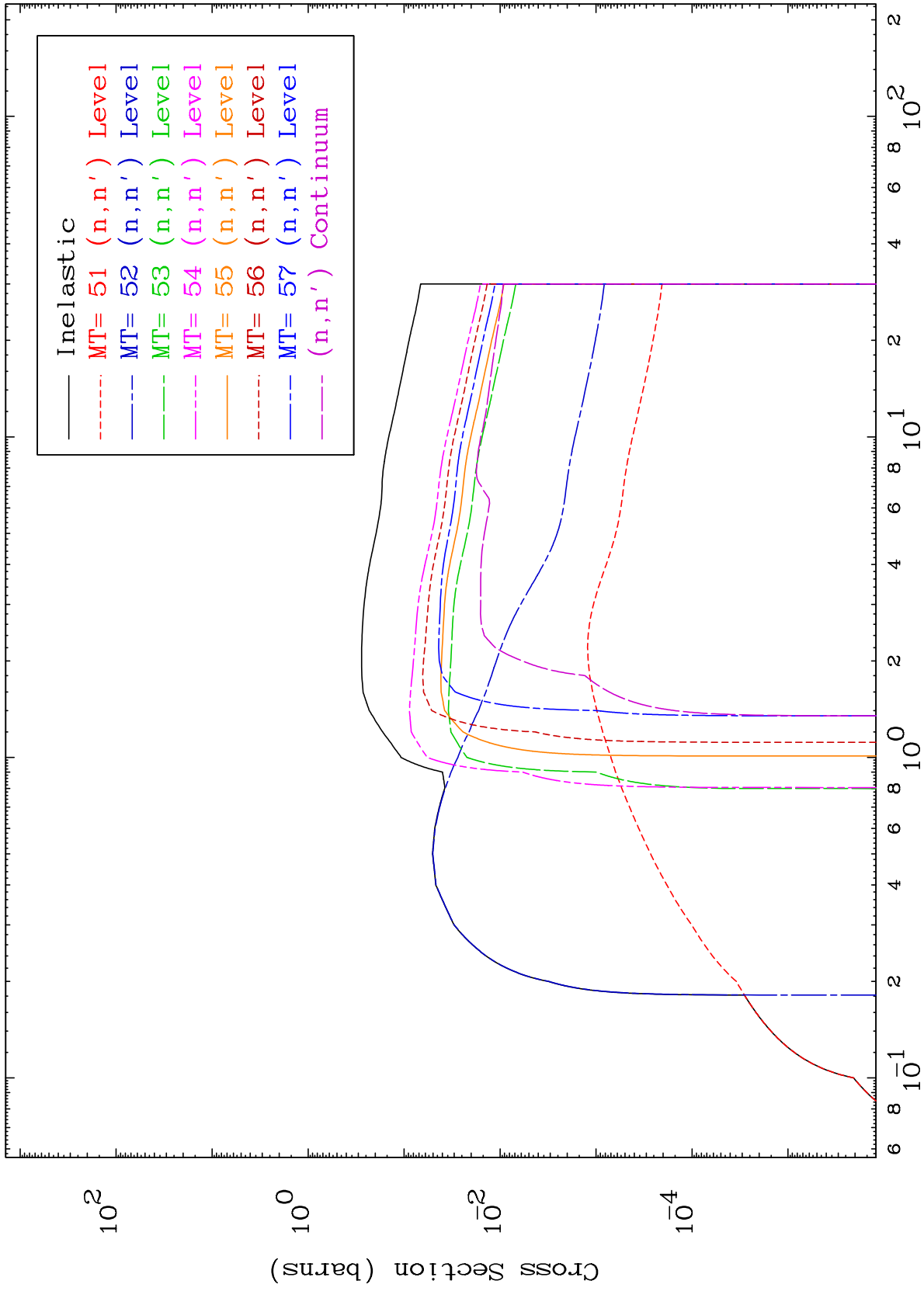
43-Tc-89



MAT 4295

(n,n') Level
293 Kelvin Cross Sections

43-Tc-89



6

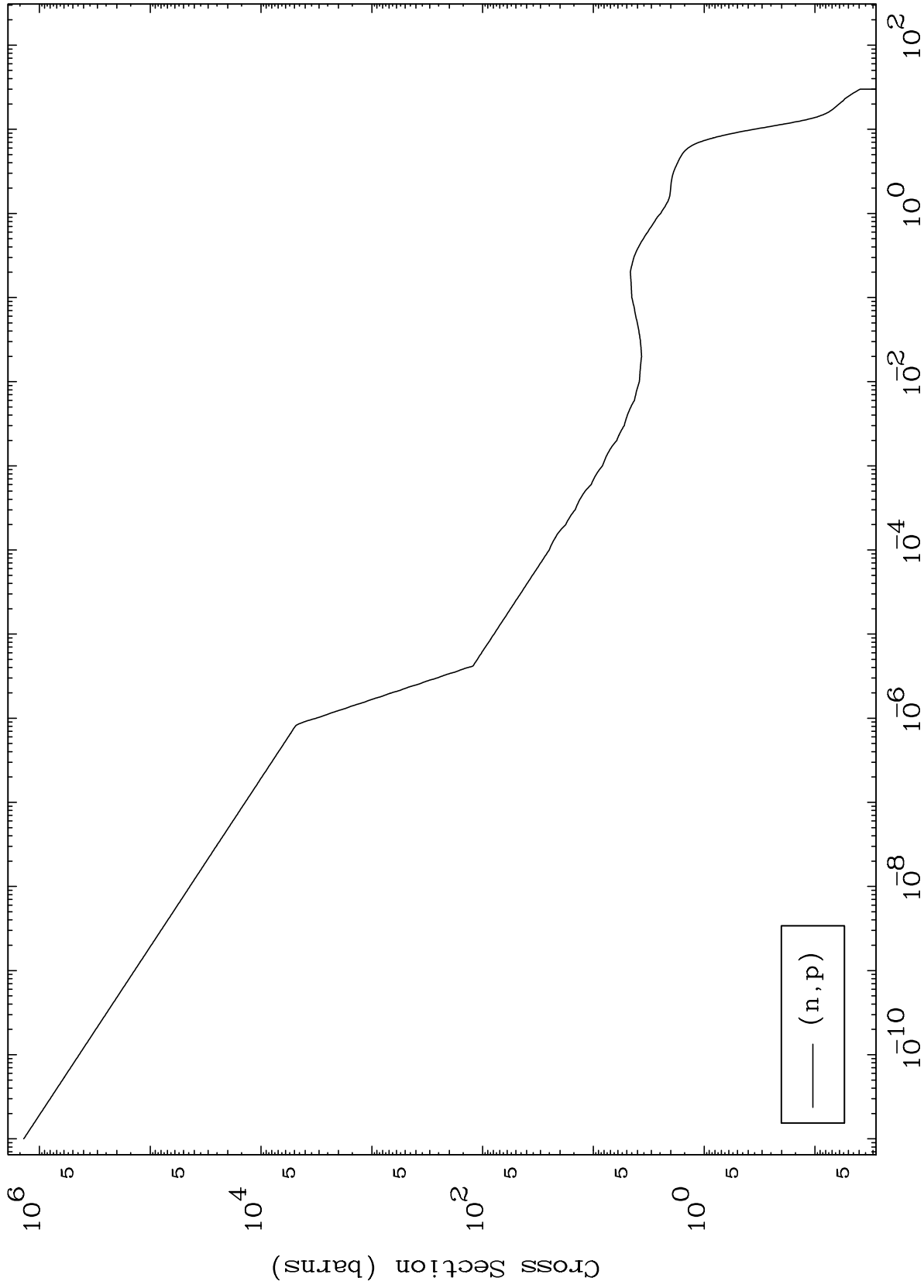
Incident Energy (MeV)

43-Tc-89

MAT 4295

(n,p) Levels
293 Kelvin Cross Sections

43-Tc-89

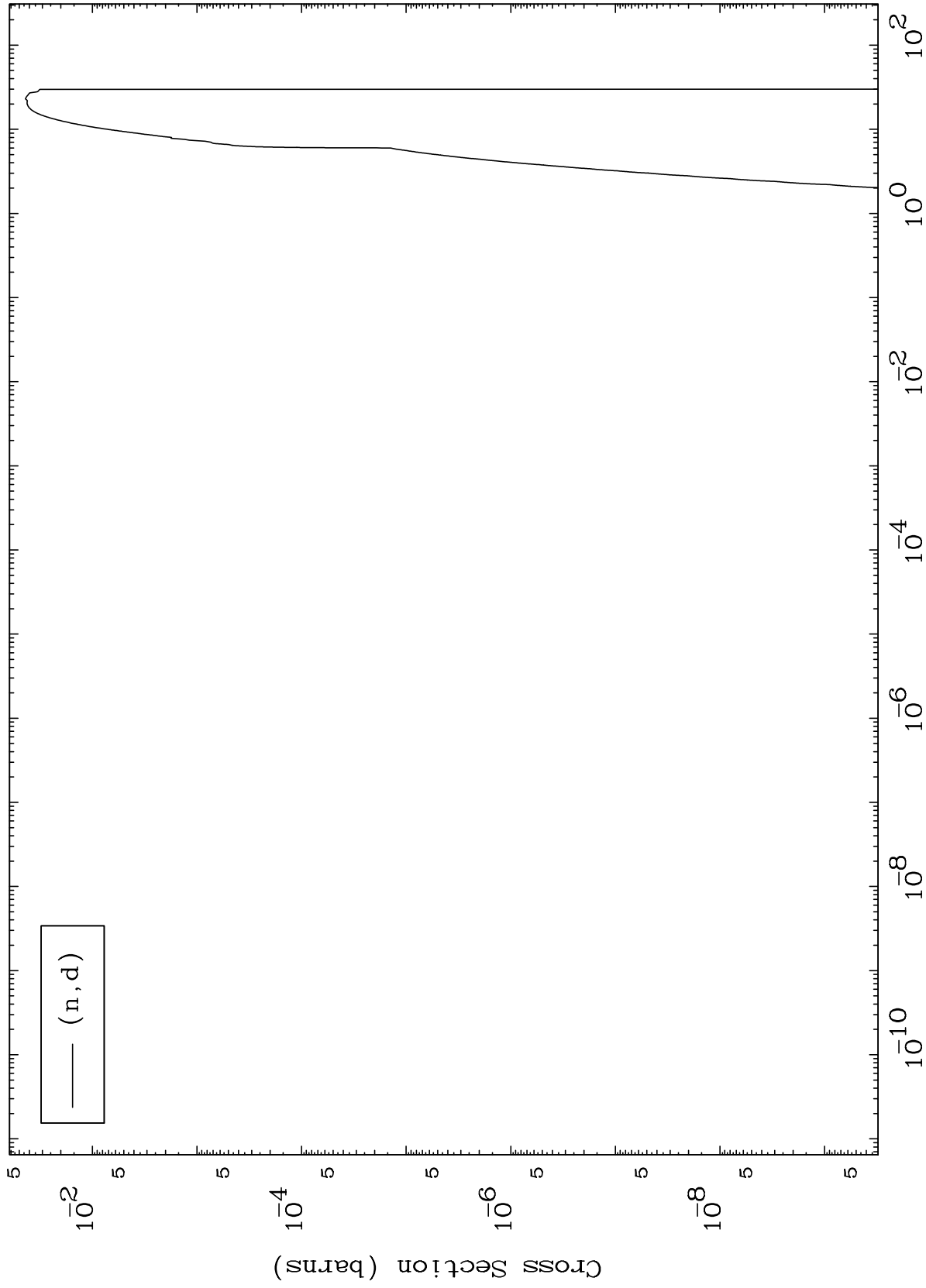


— (n, p)

MAT 4295

(n,d) Levels
293 Kelvin Cross Sections

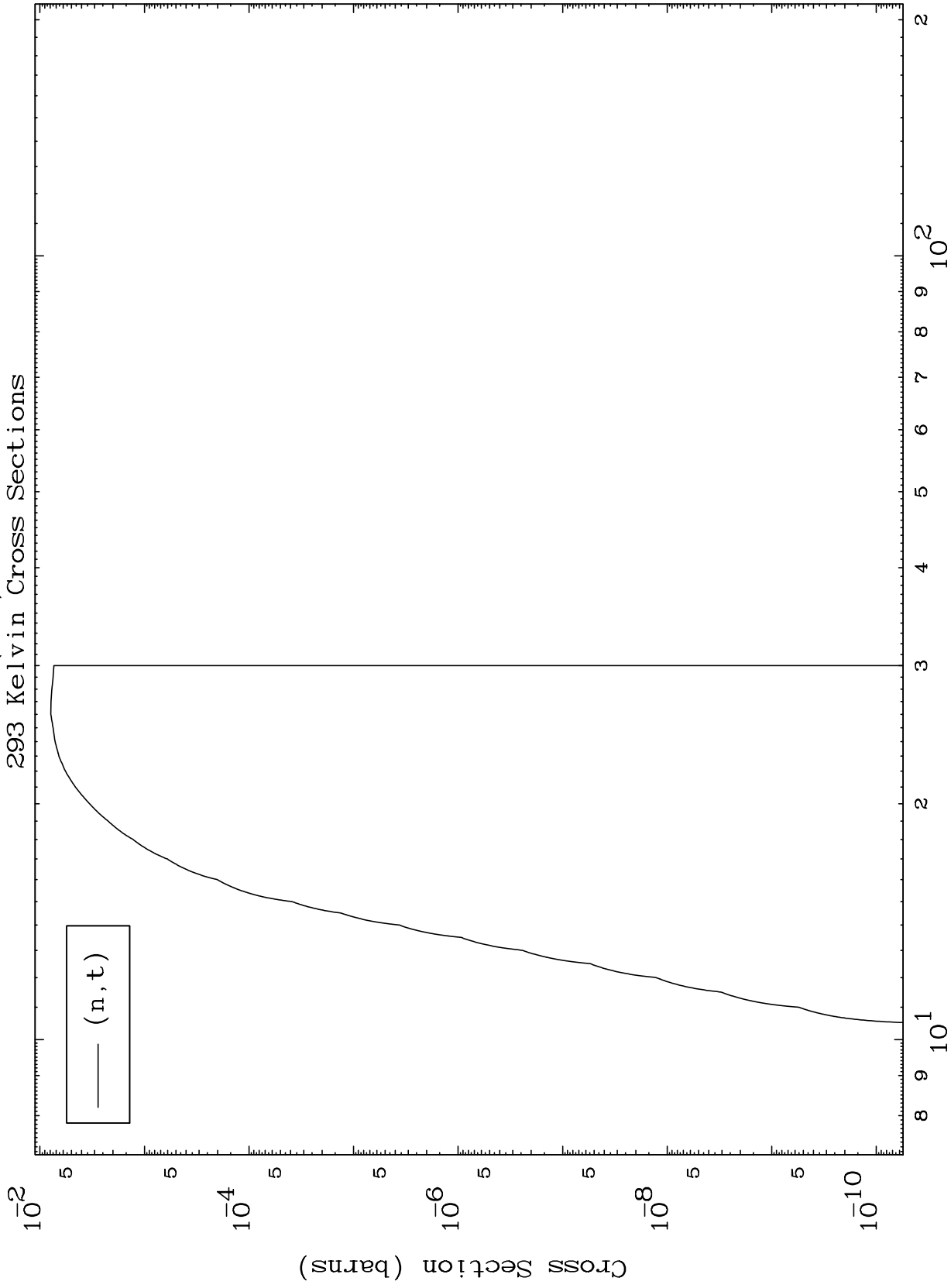
43-Tc-89



MAT 4295

(n,t) Levels
293 Kelvin Cross Sections

43-Tc-89



9

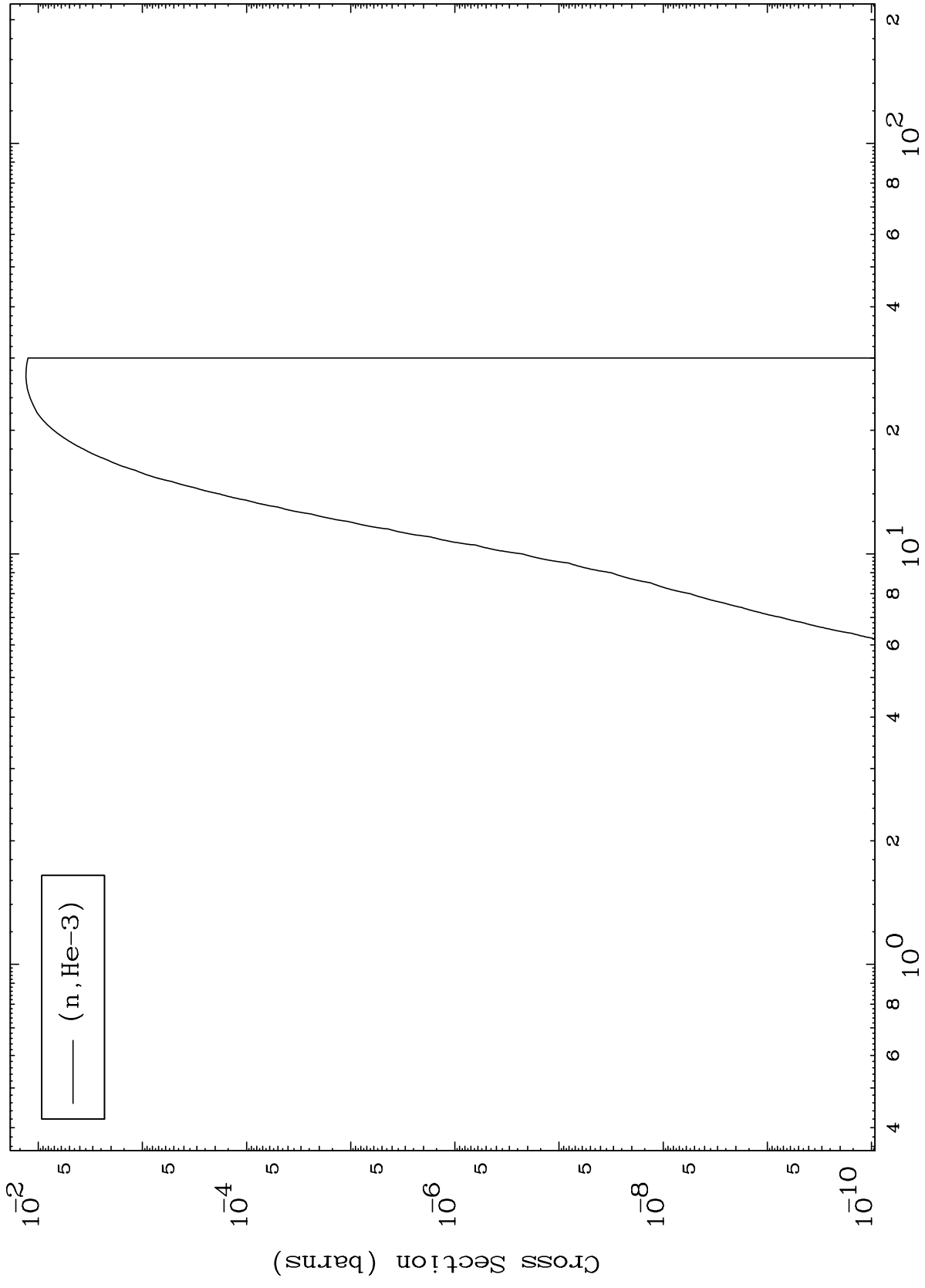
Incident Energy (MeV)

43-Tc-89

MAT 4295

(n,He3) Levels
293 Kelvin Cross Sections

43-Tc-89



10

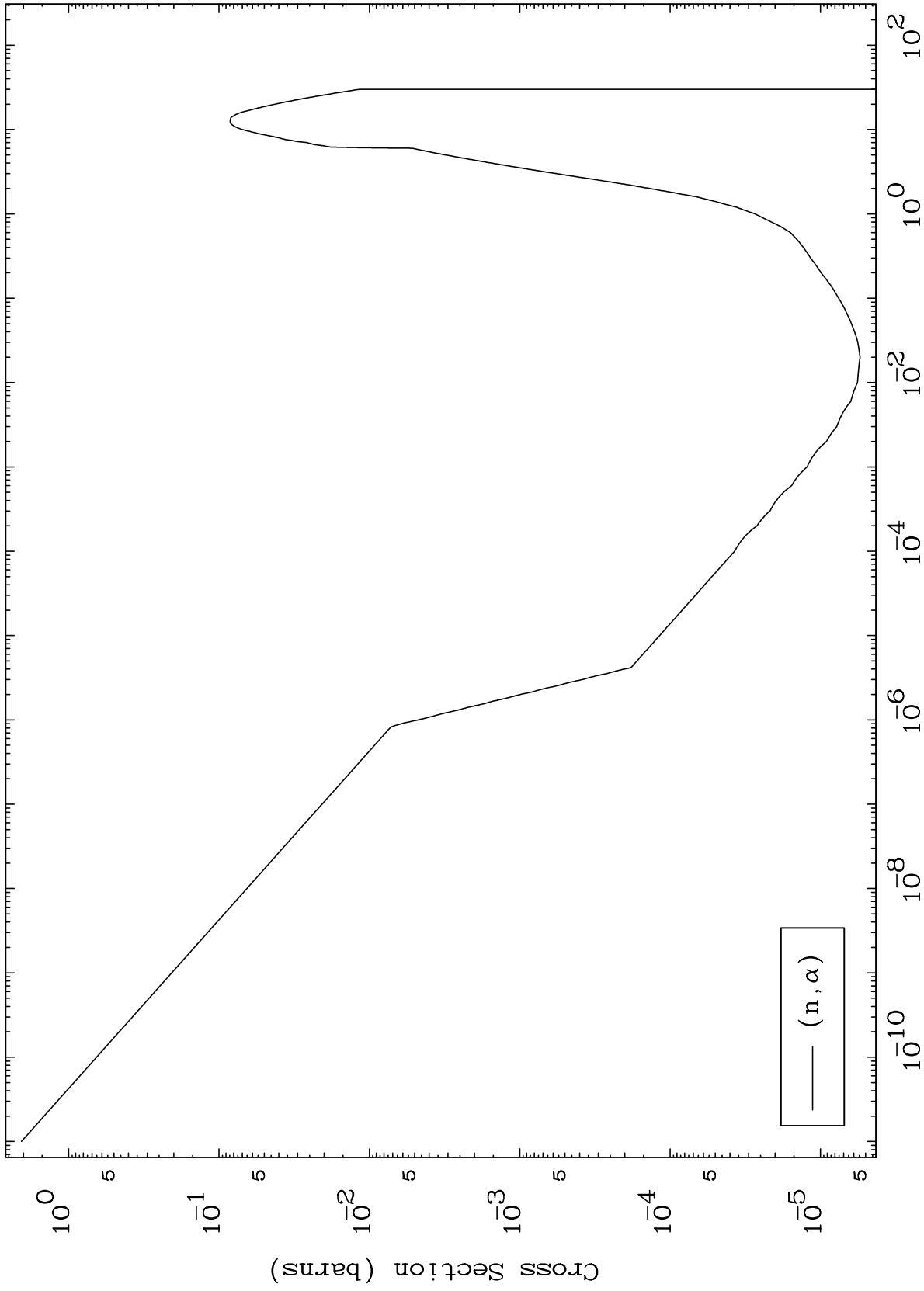
Incident Energy (MeV)

43-Tc-89

MAT 4295

(n, α) Levels
293 Kelvin Cross Sections

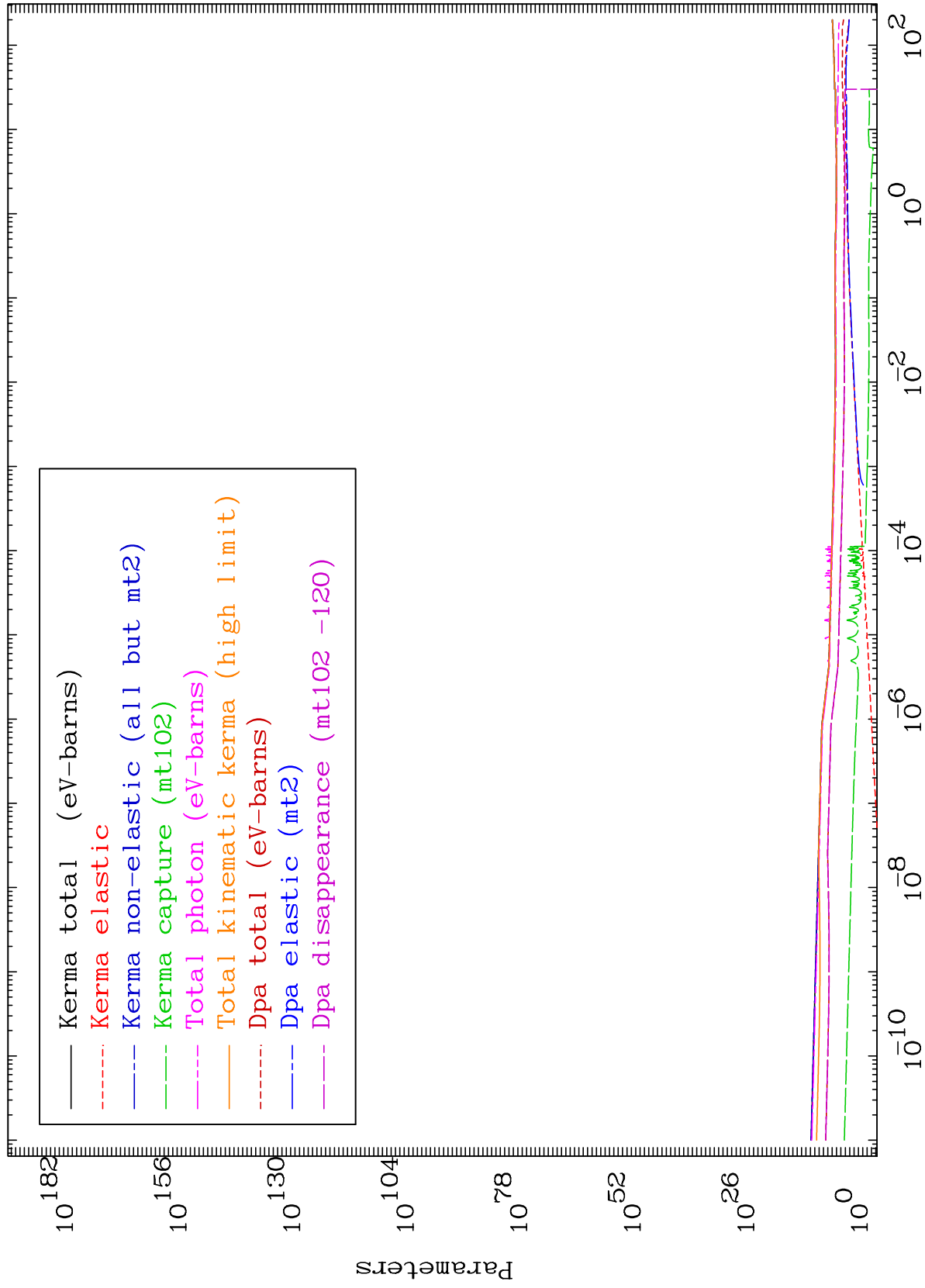
43-Tc-89



11

Incident Energy (MeV)

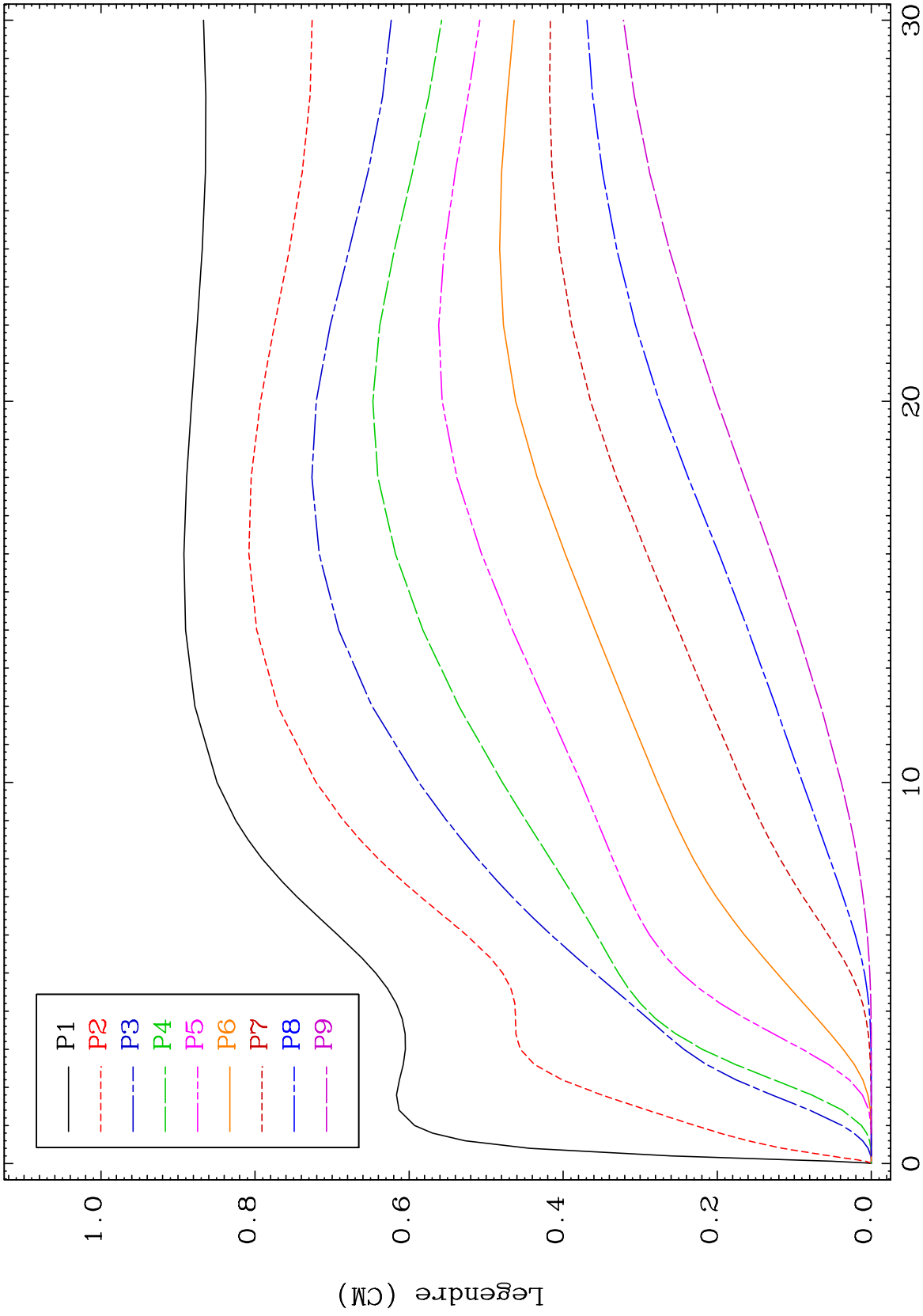
43-Tc-89



MAT 4295

Elastic Legendre Coefficients

43-Tc-89



13

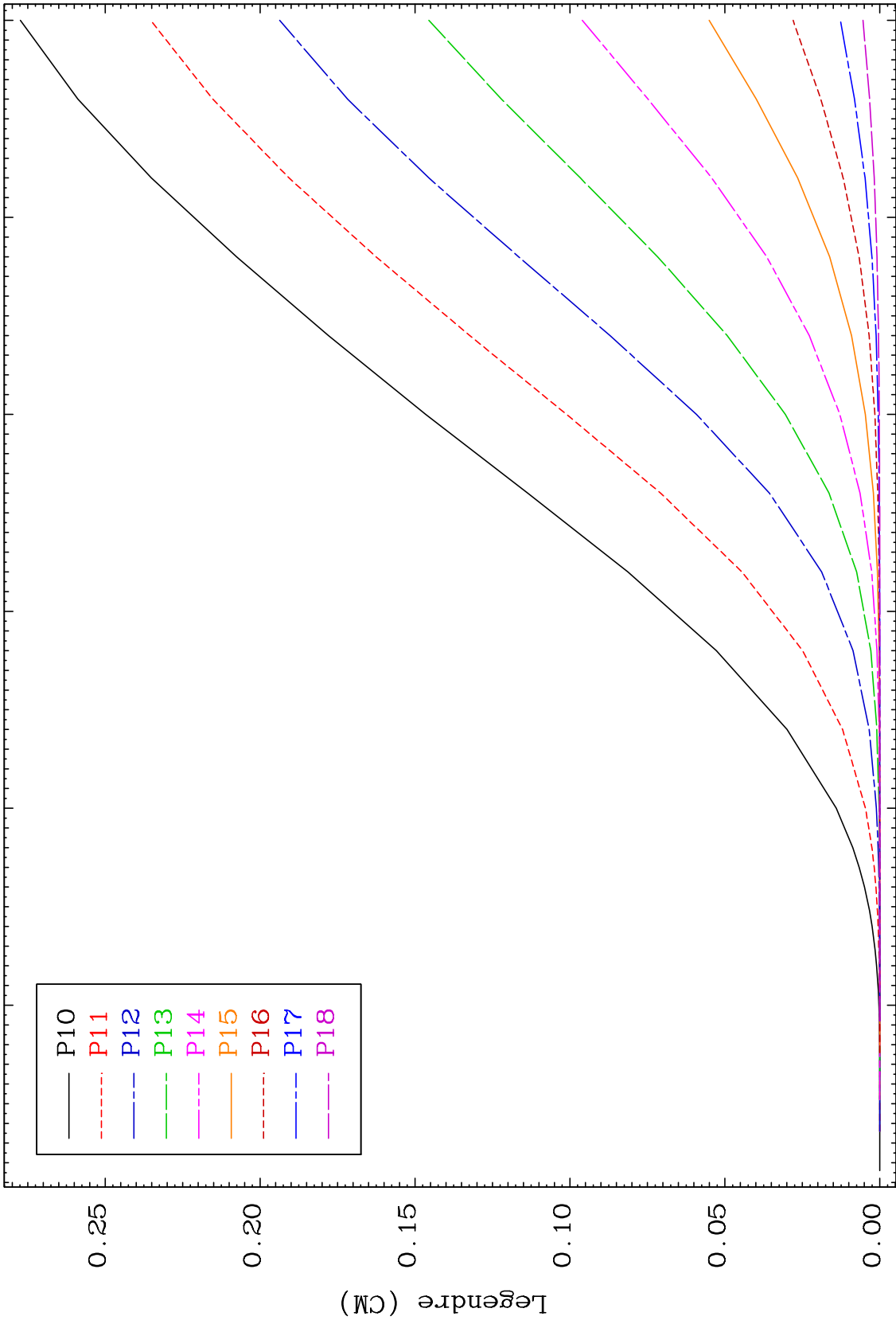
Incident Energy (MeV)

43-Tc-89

MAT 4295

Elastic Legendre Coefficients

43-Tc-89



14

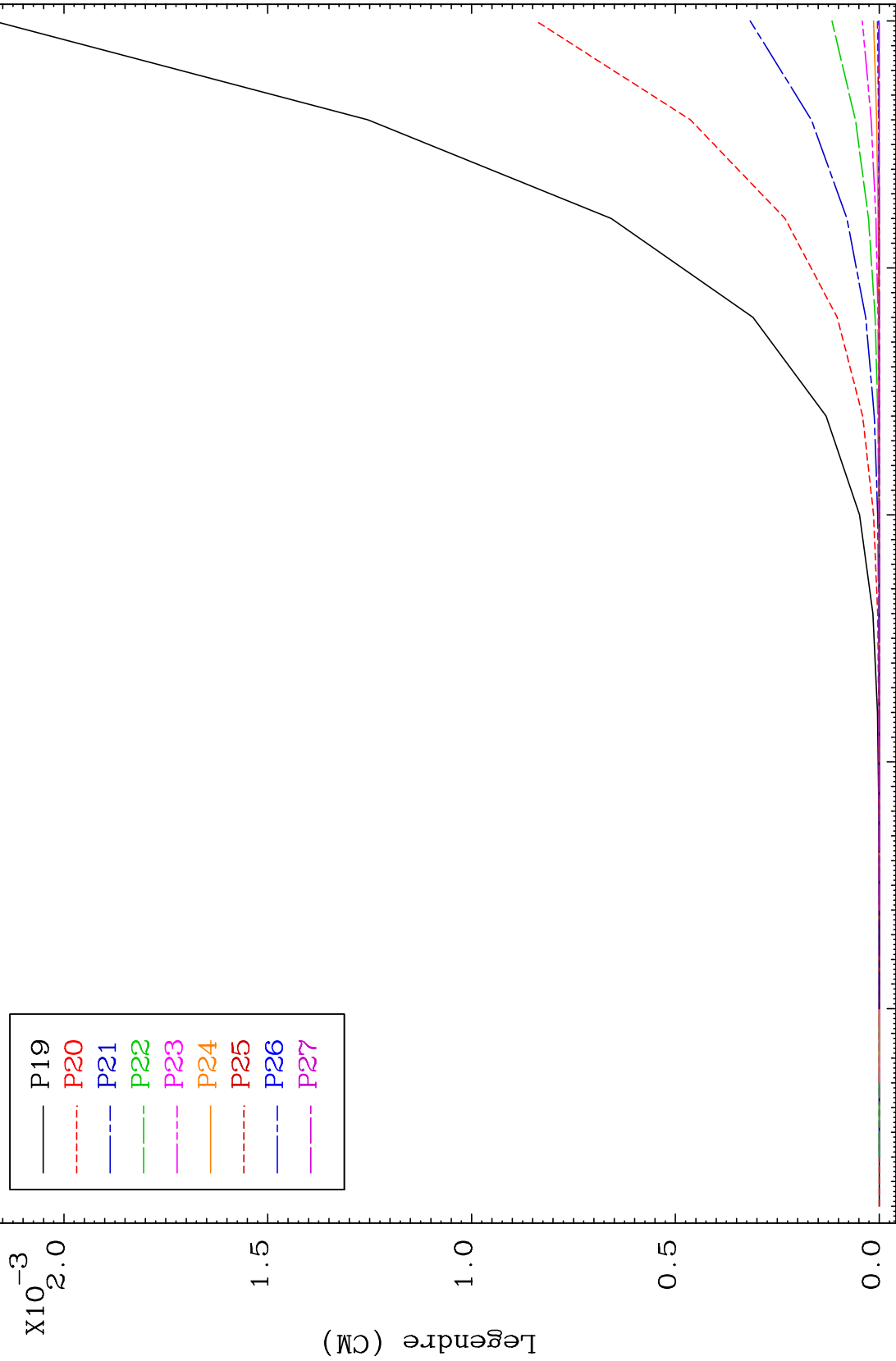
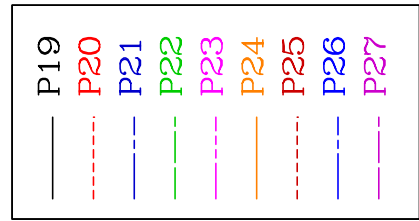
Incident Energy (MeV)

43-Tc-89

MAT 4295

Elastic Legendre Coefficients

43-Tc-89



15

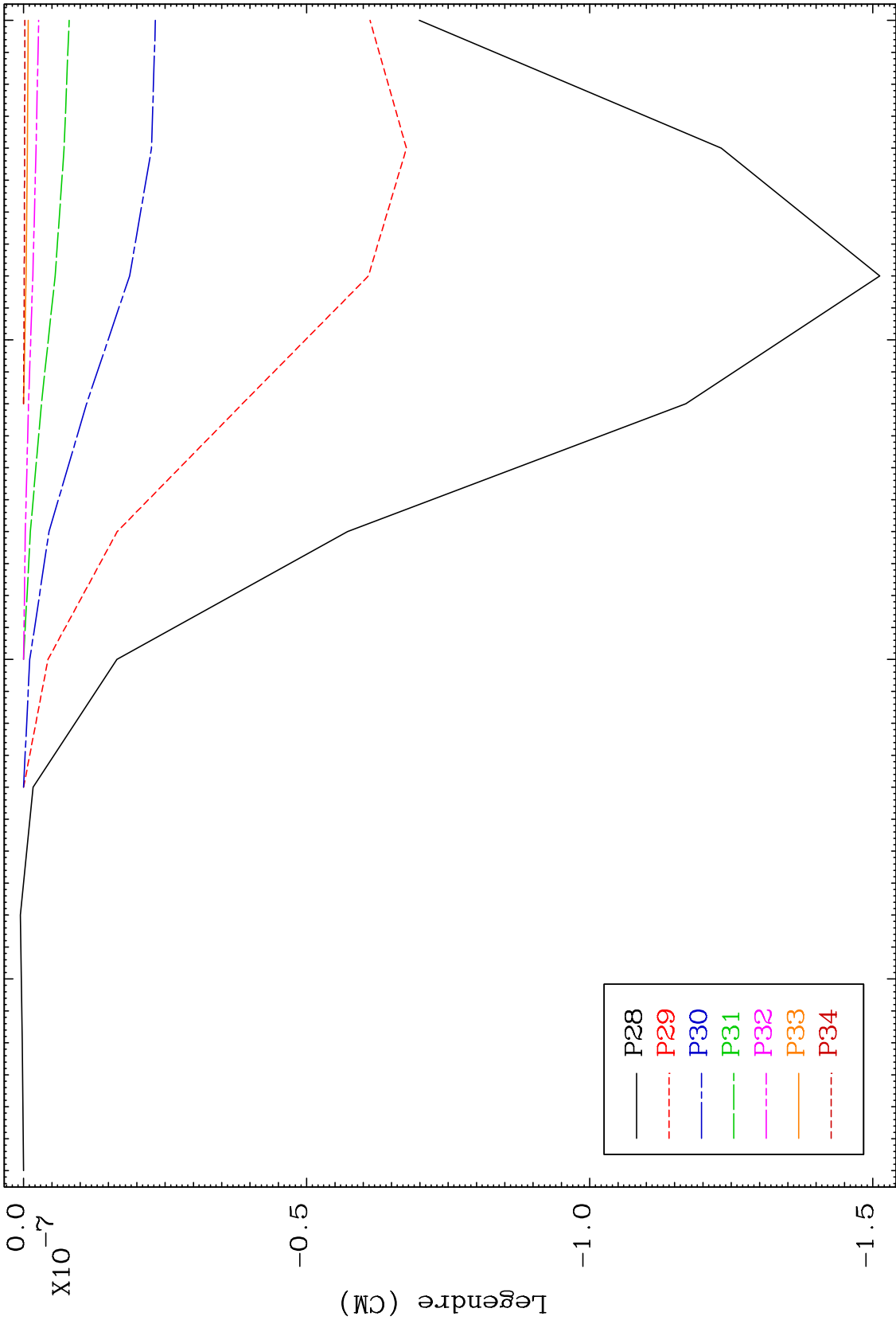
Incident Energy (MeV)

43-Tc-89

MAT 4295

43-Tc-89

Elastic
Legendre Coefficients



16

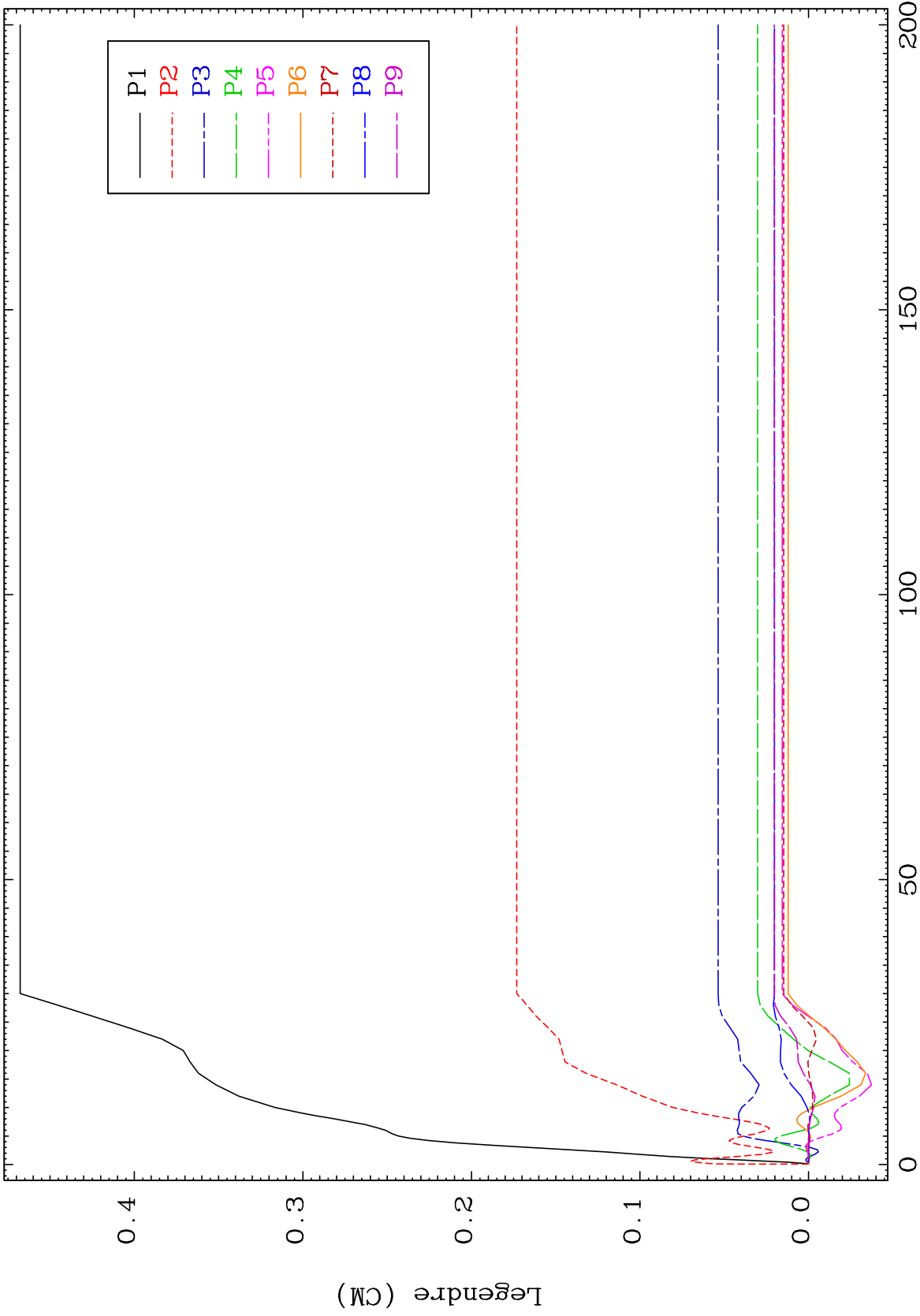
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



17

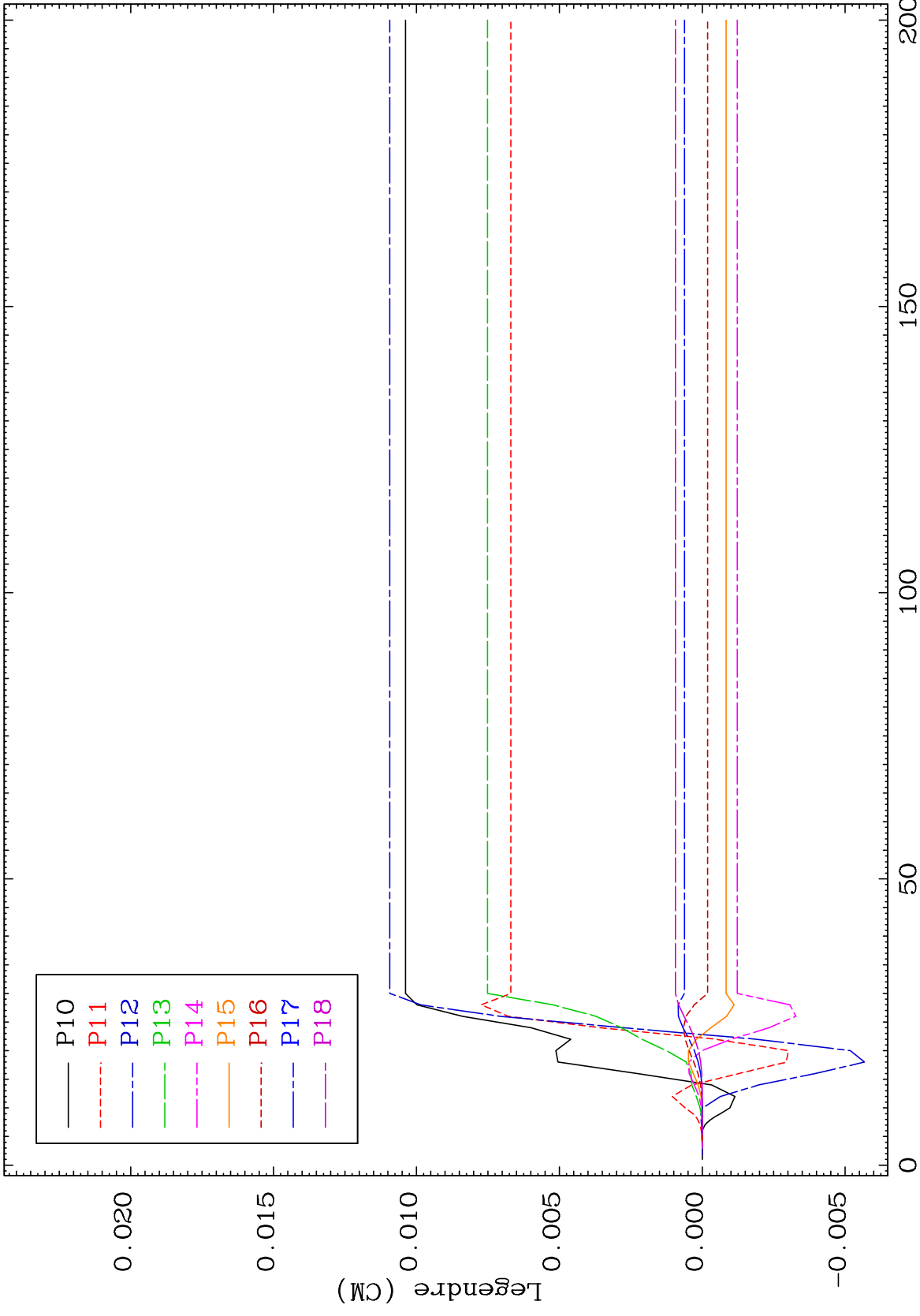
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



18

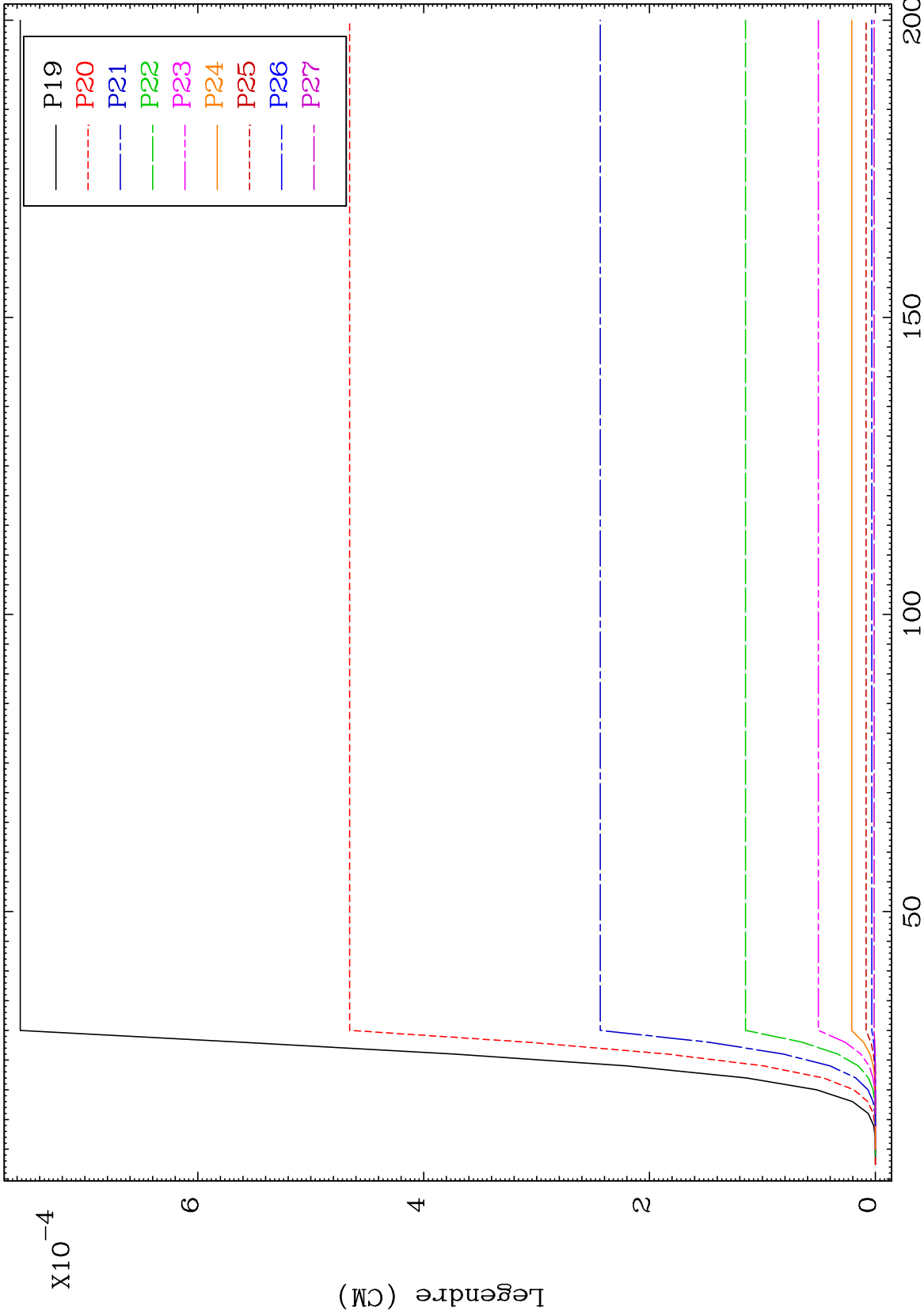
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



19

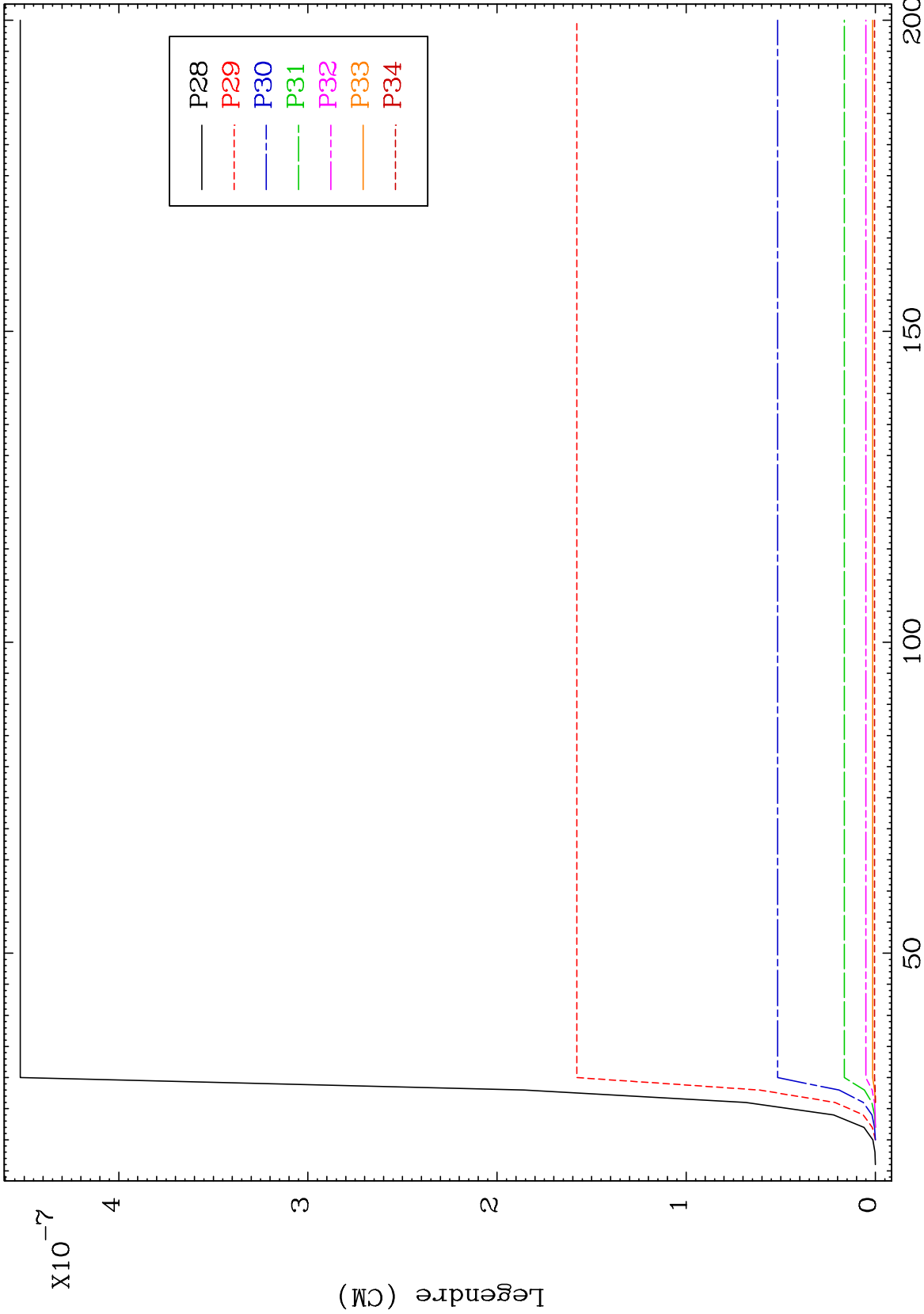
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



20

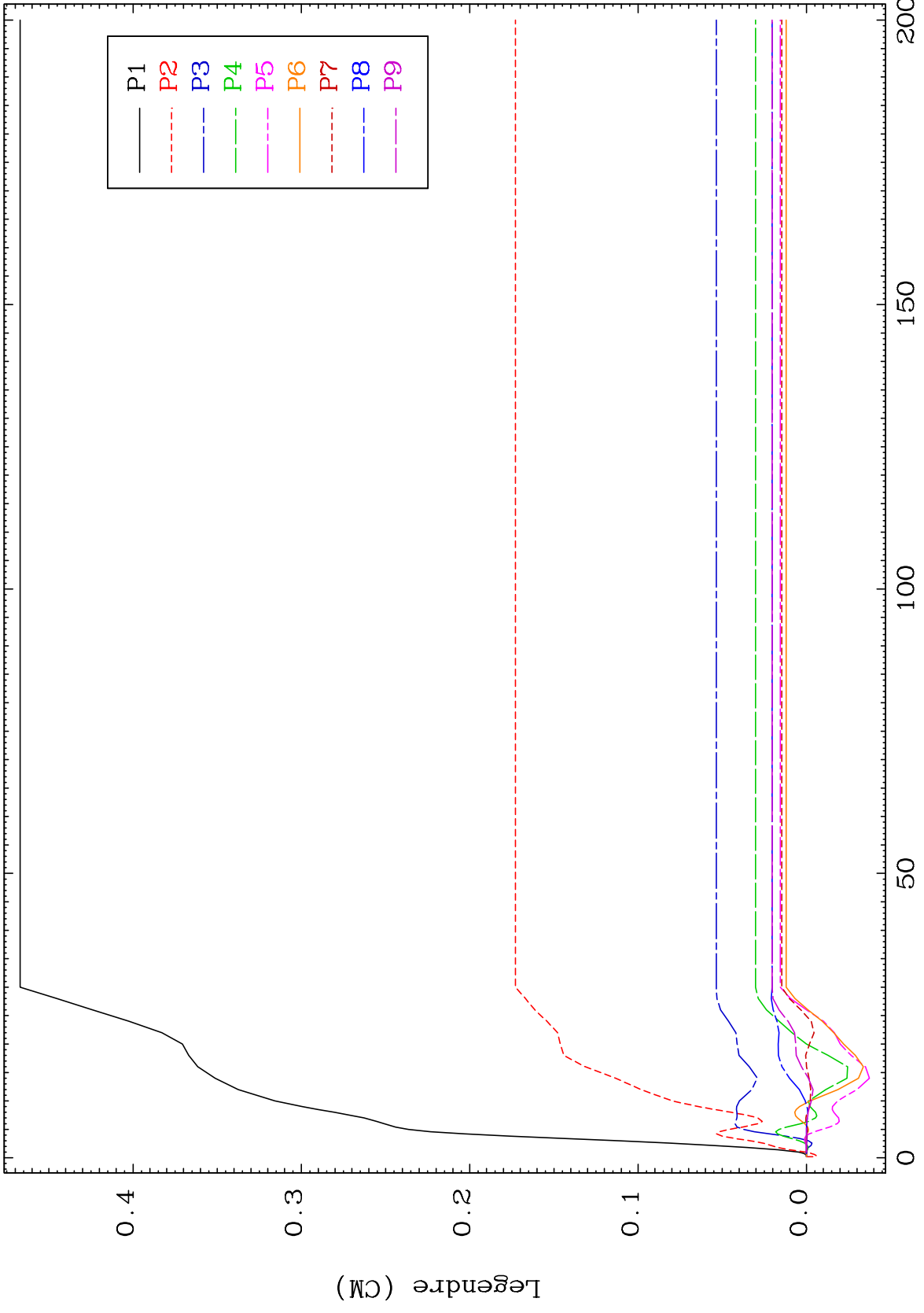
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



21

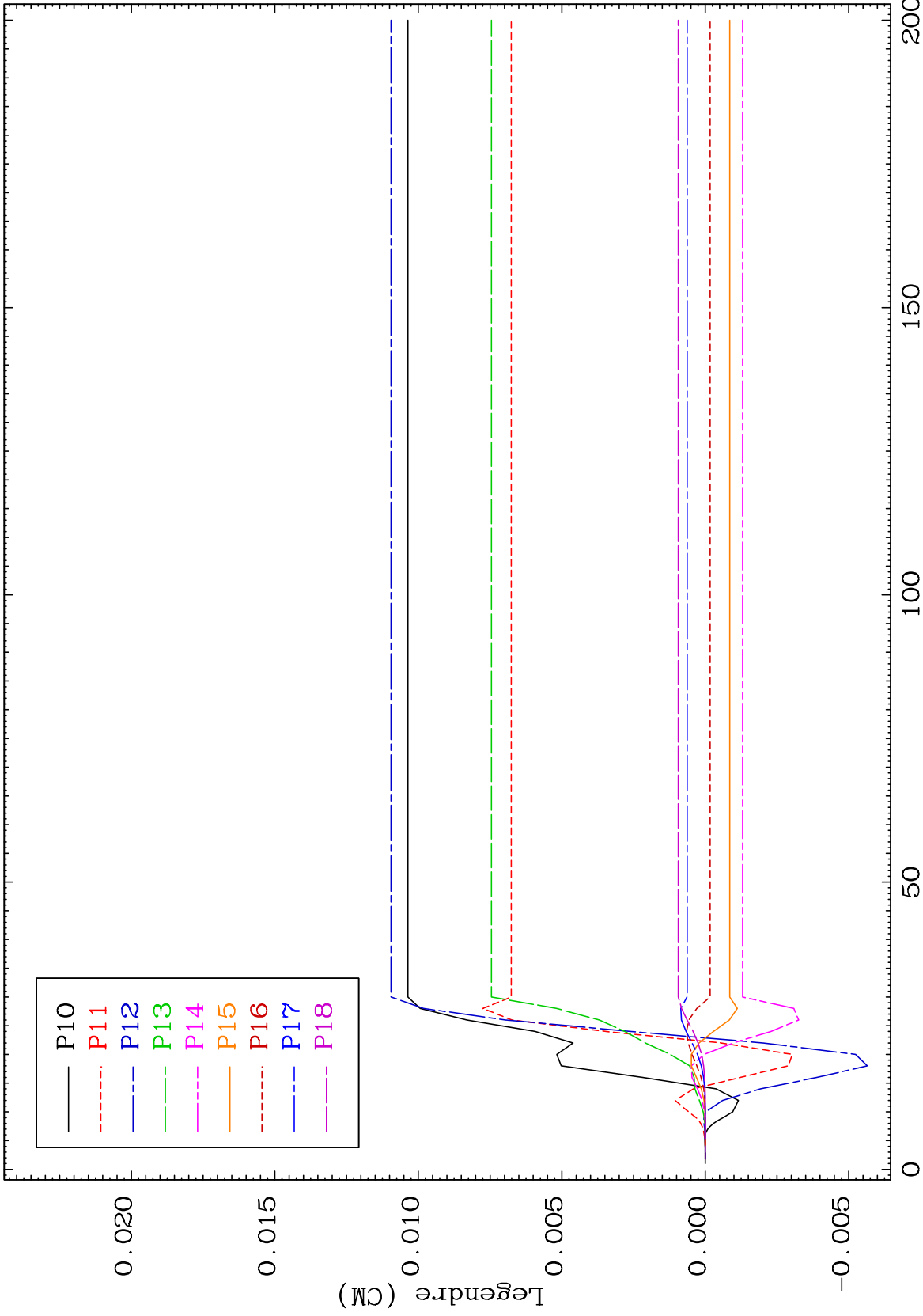
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



22

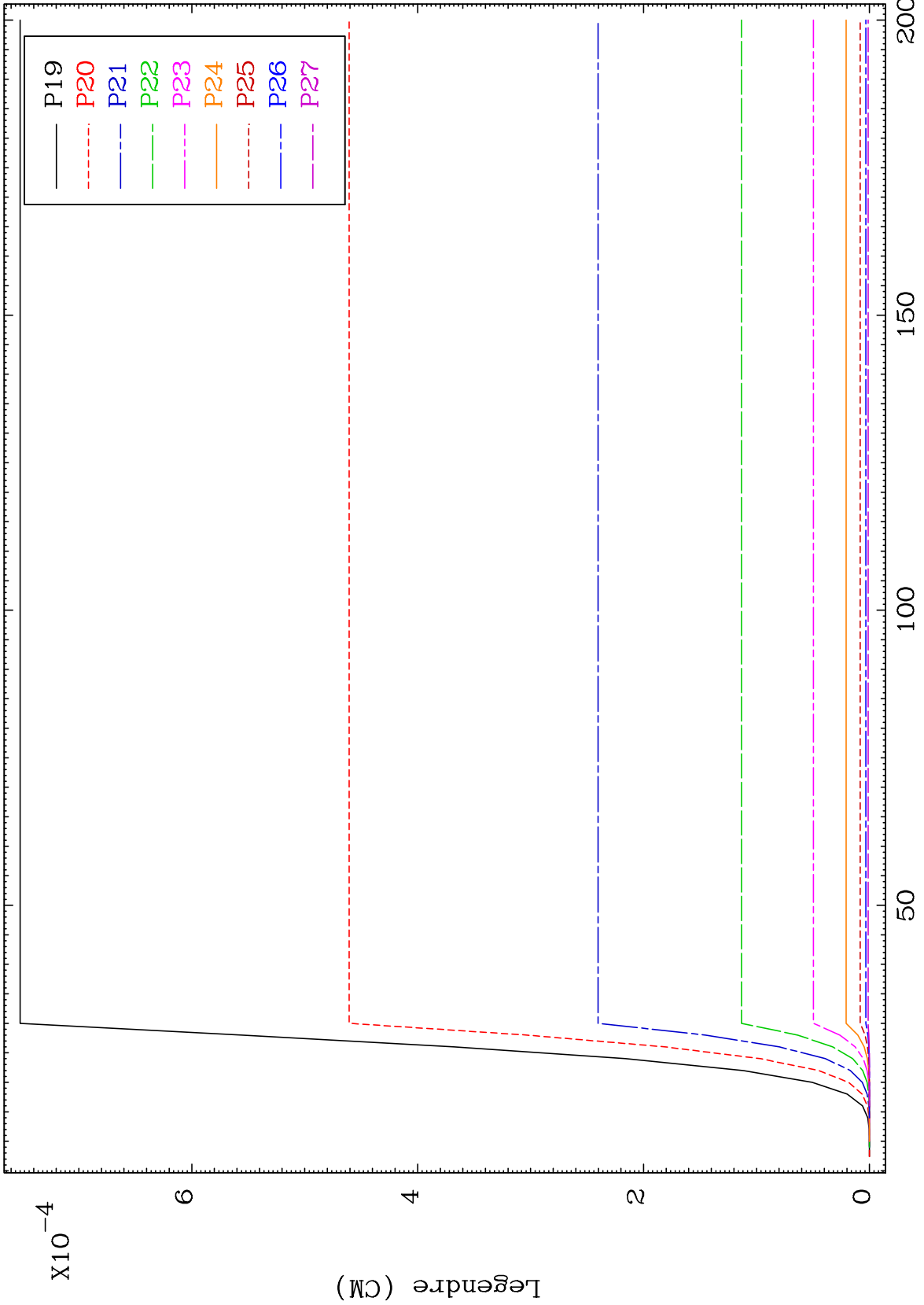
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



23

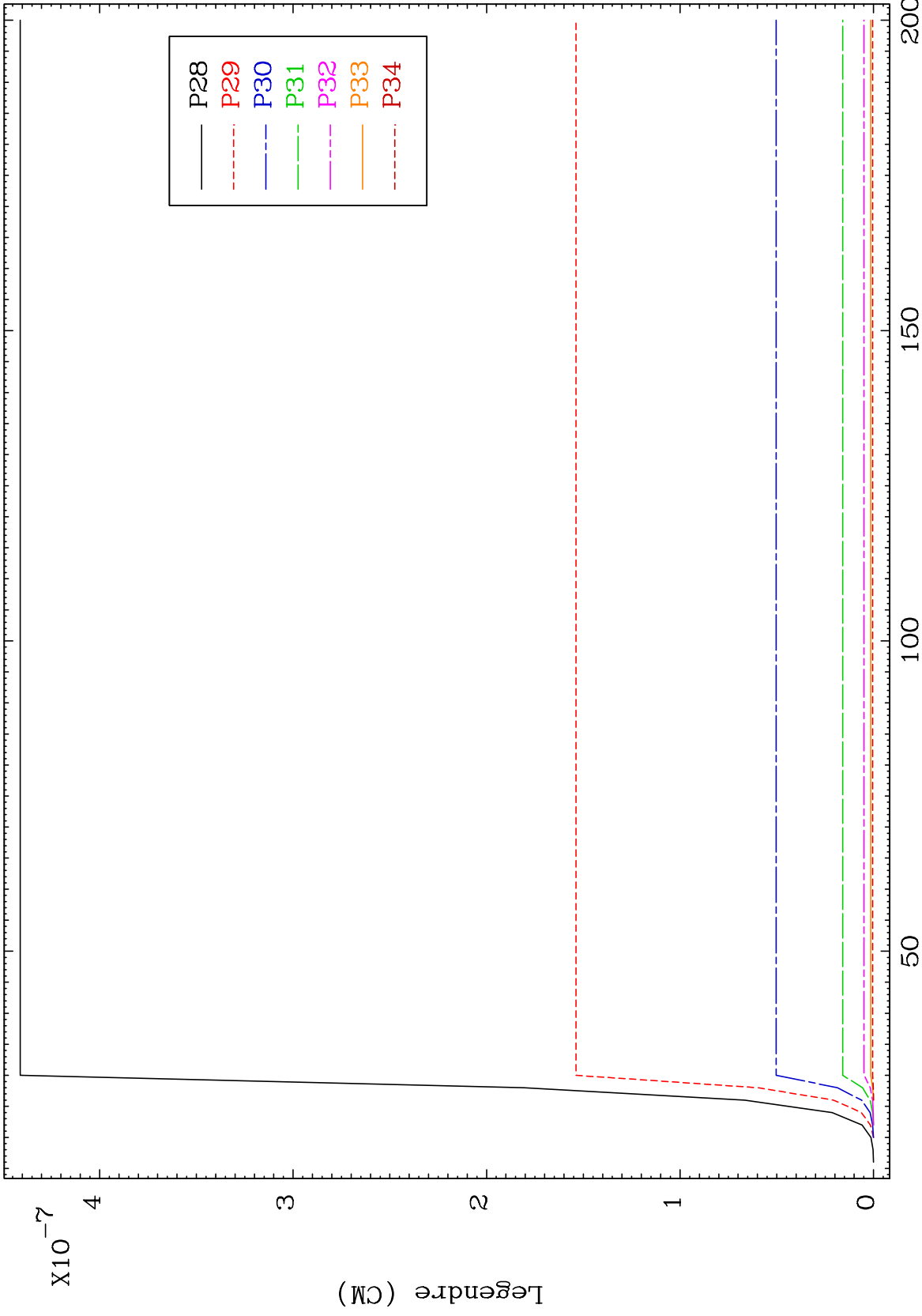
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



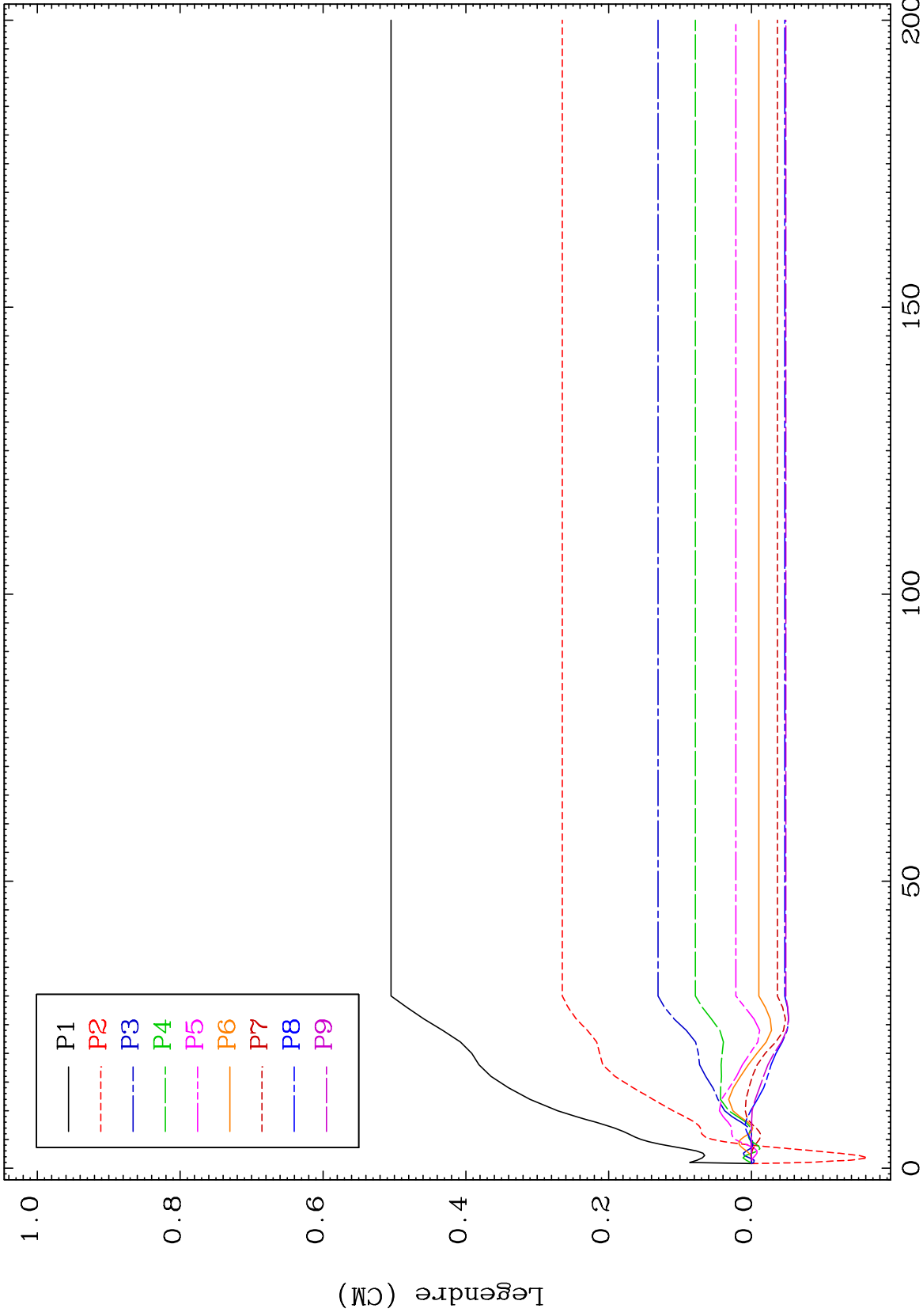
24

43-Tc-89

MAT 4295

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

43-Tc-89



25

50

100

150

200

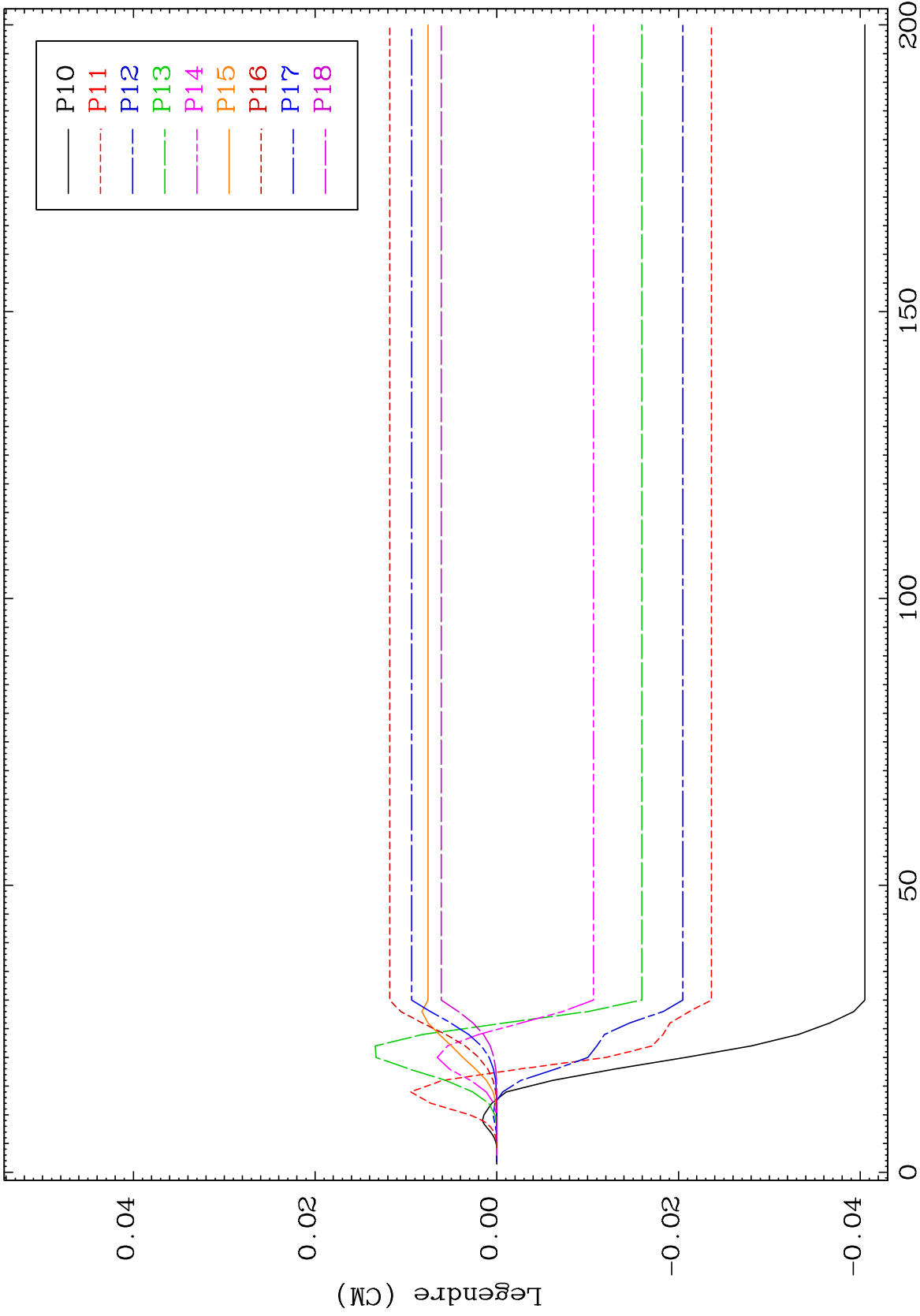
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



26

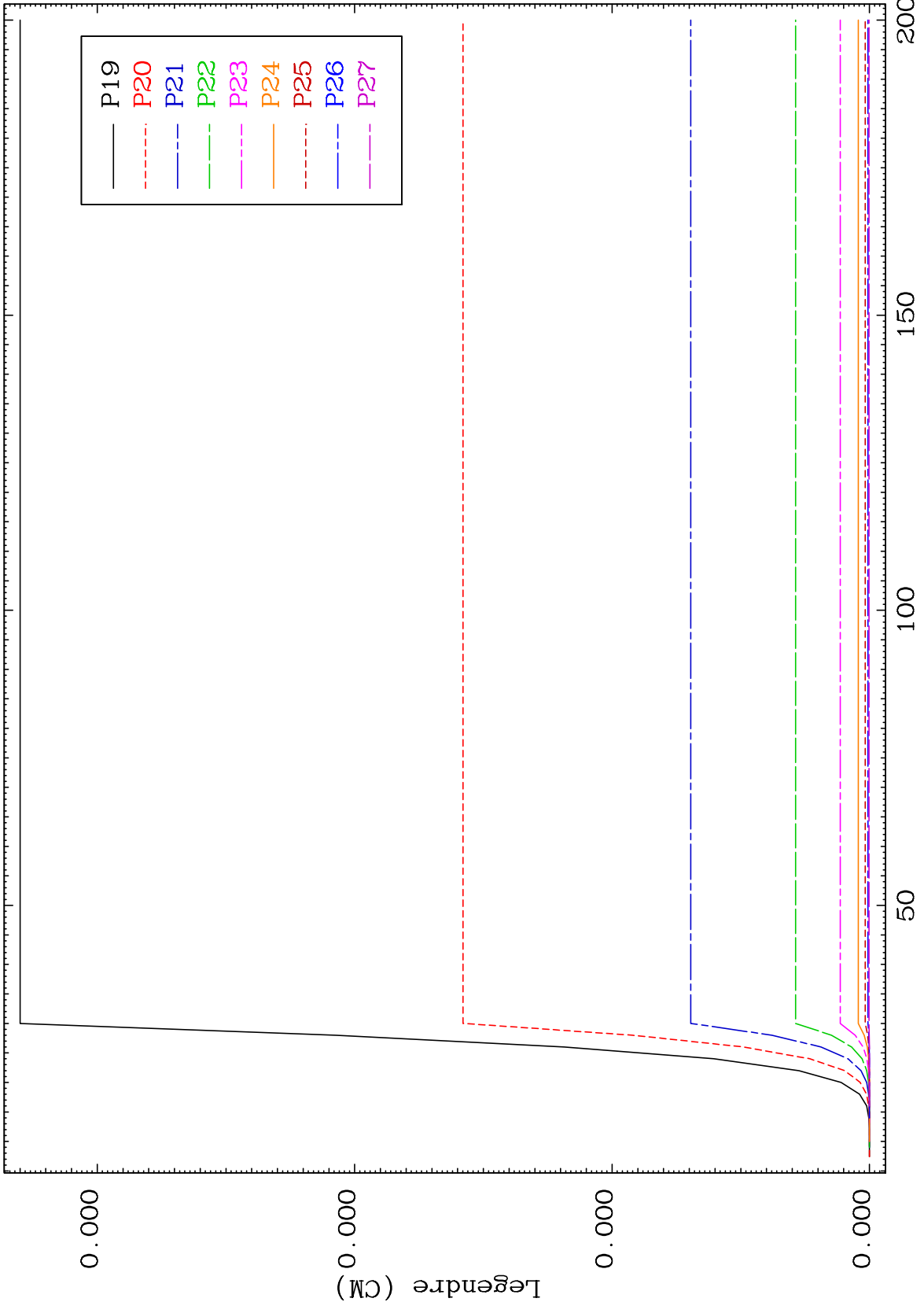
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



27

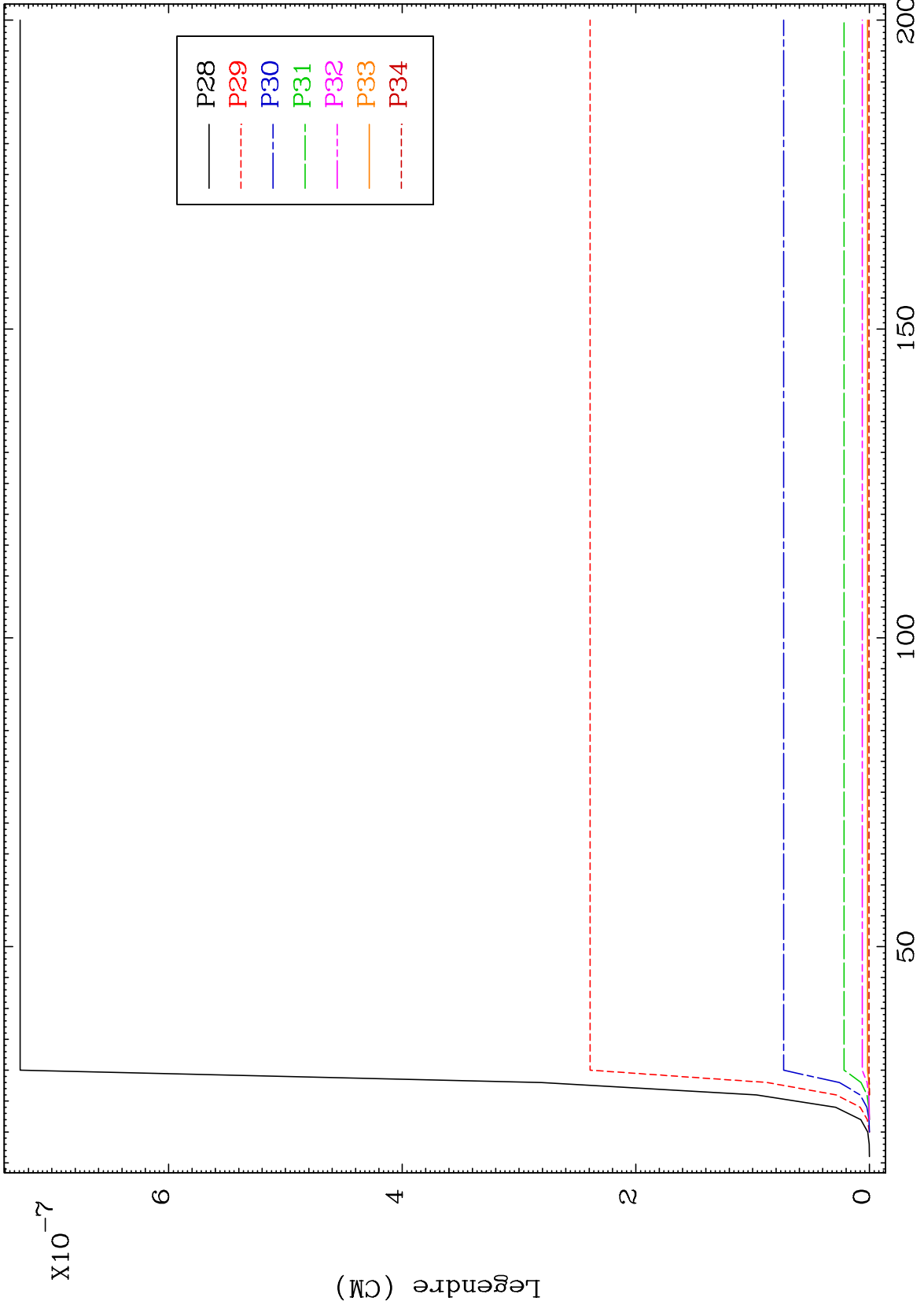
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



28

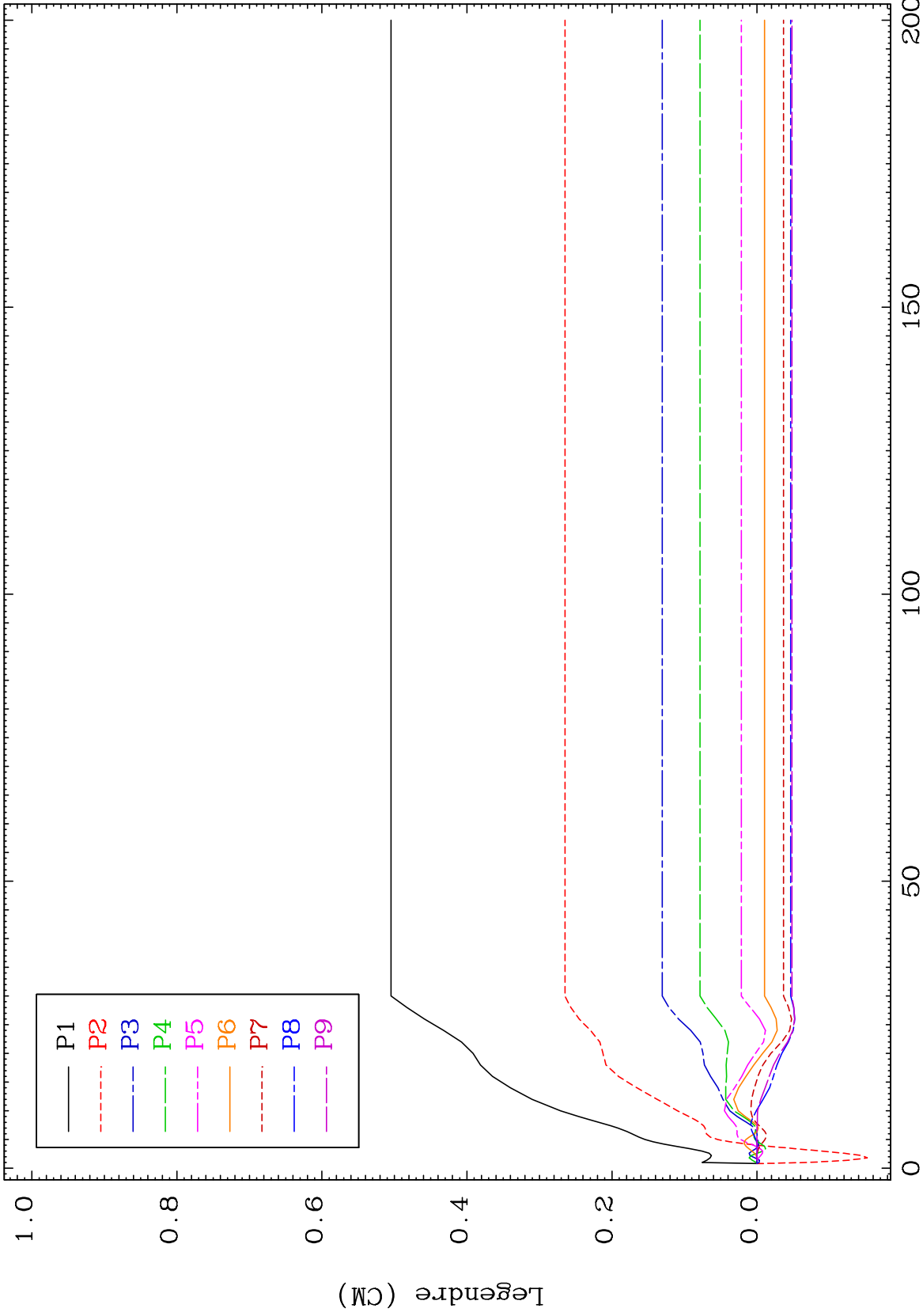
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



29

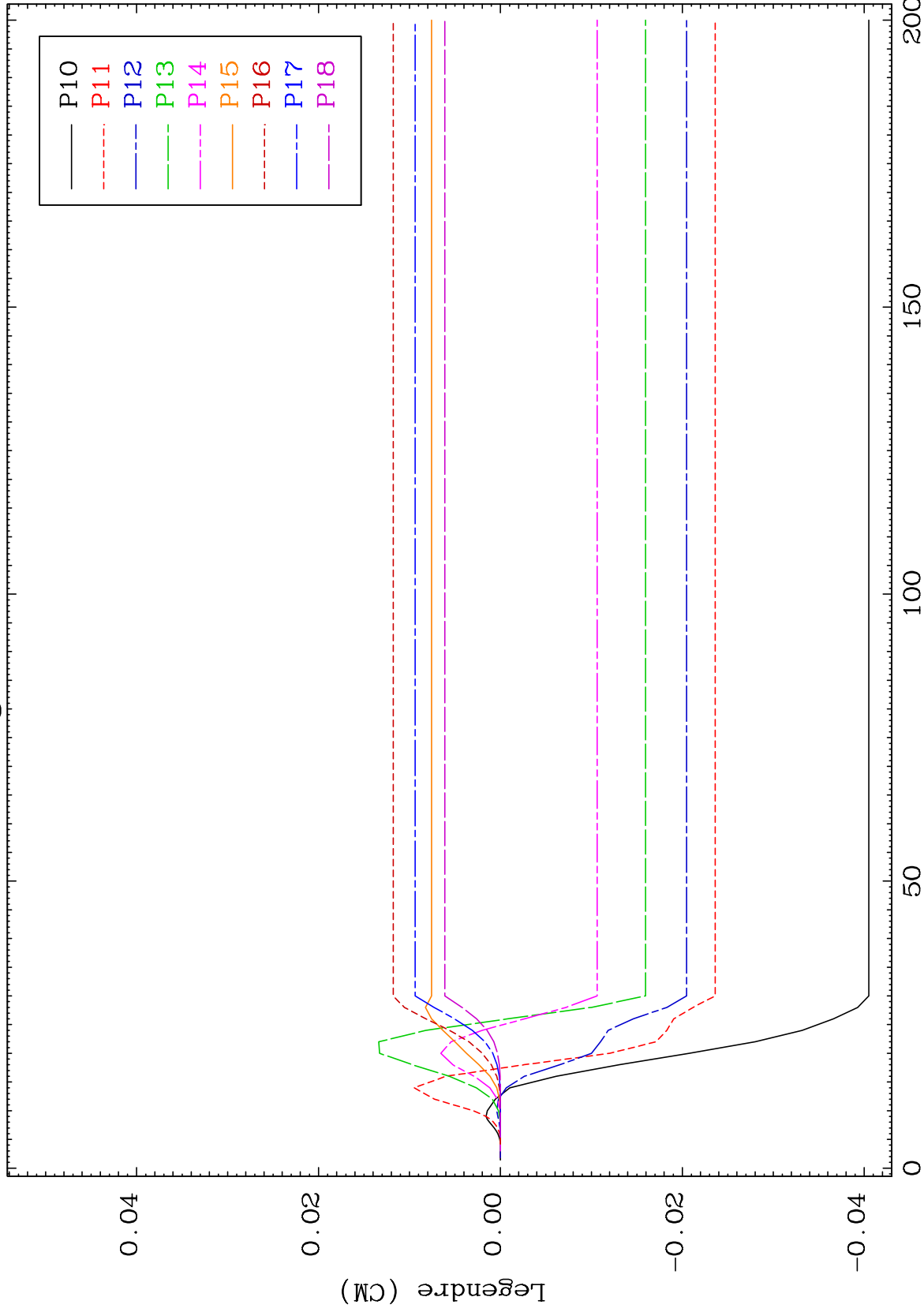
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



43-Tc-89

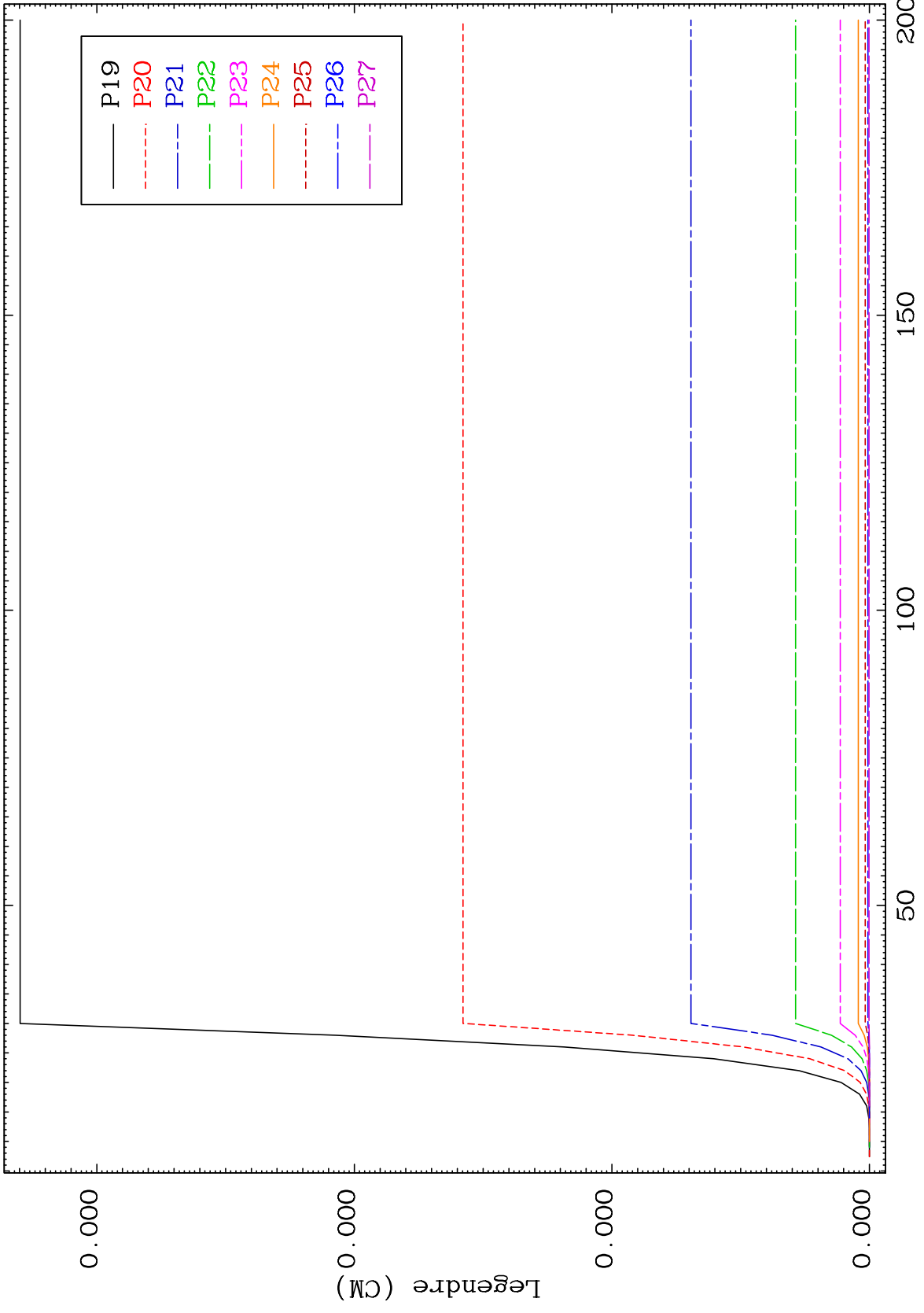
Incident Energy (MeV)

30

MAT 4295

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

43-Tc-89



31

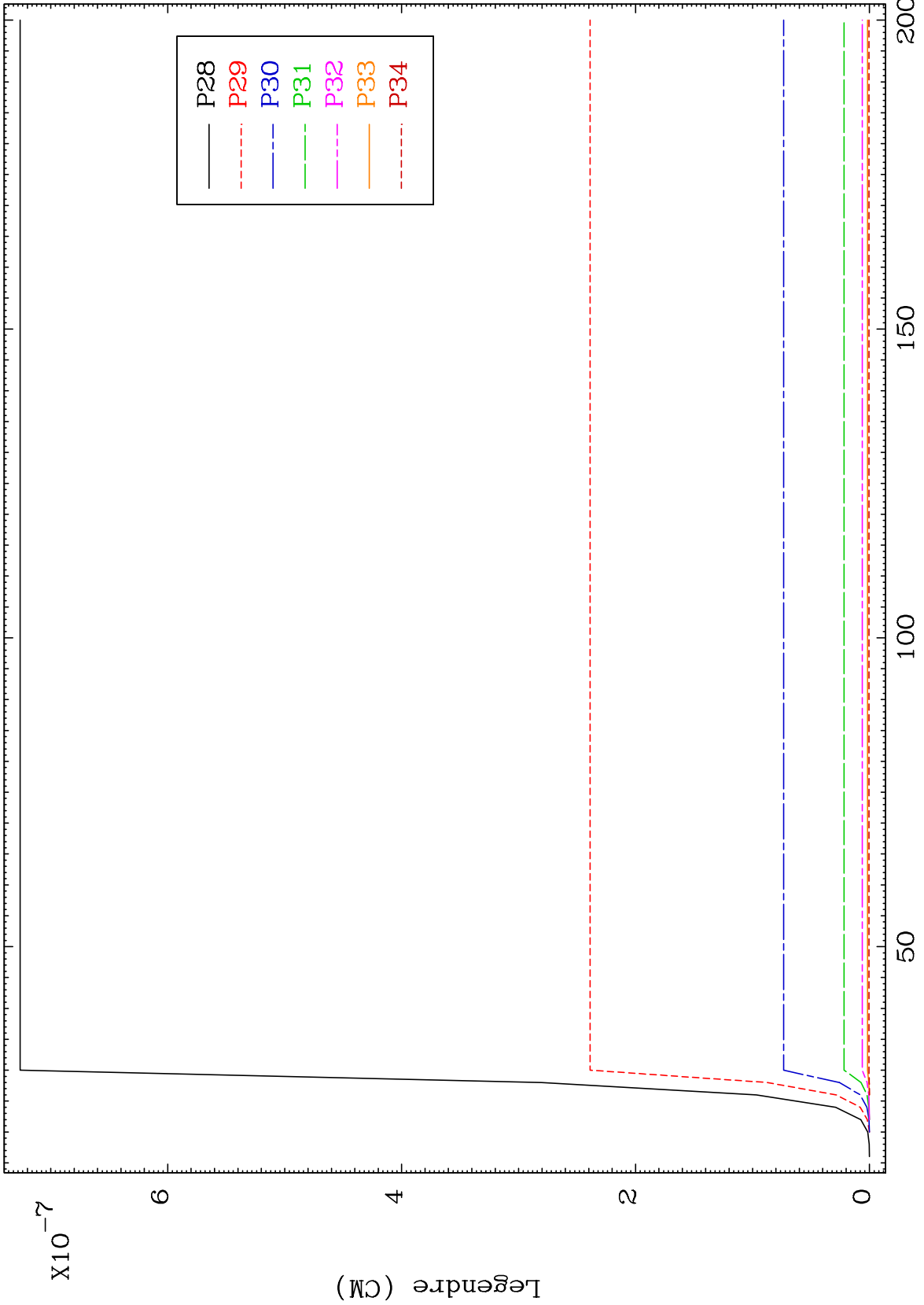
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



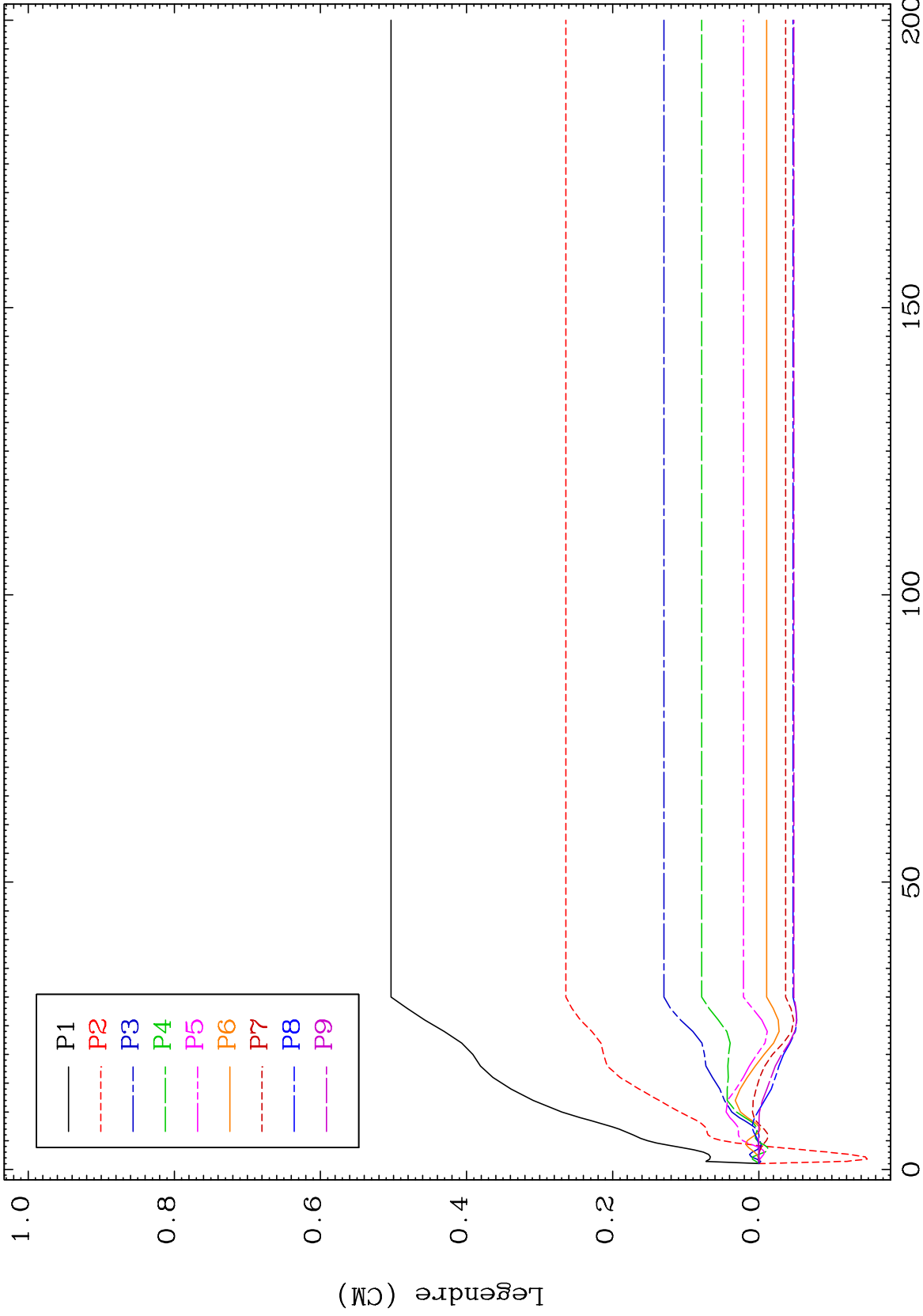
32

43-Tc-89

MAT 4295

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

43-Tc-89



33

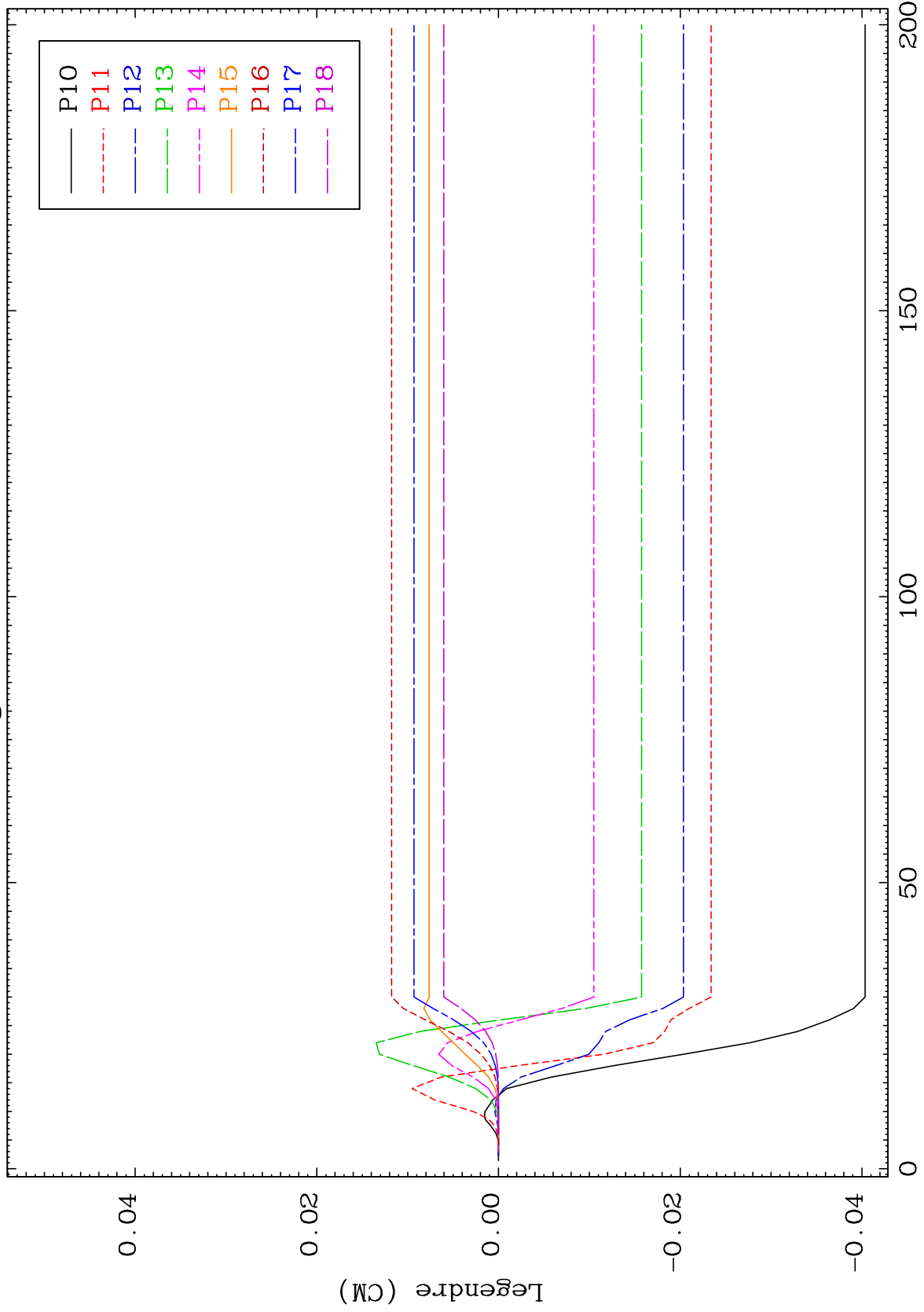
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



34

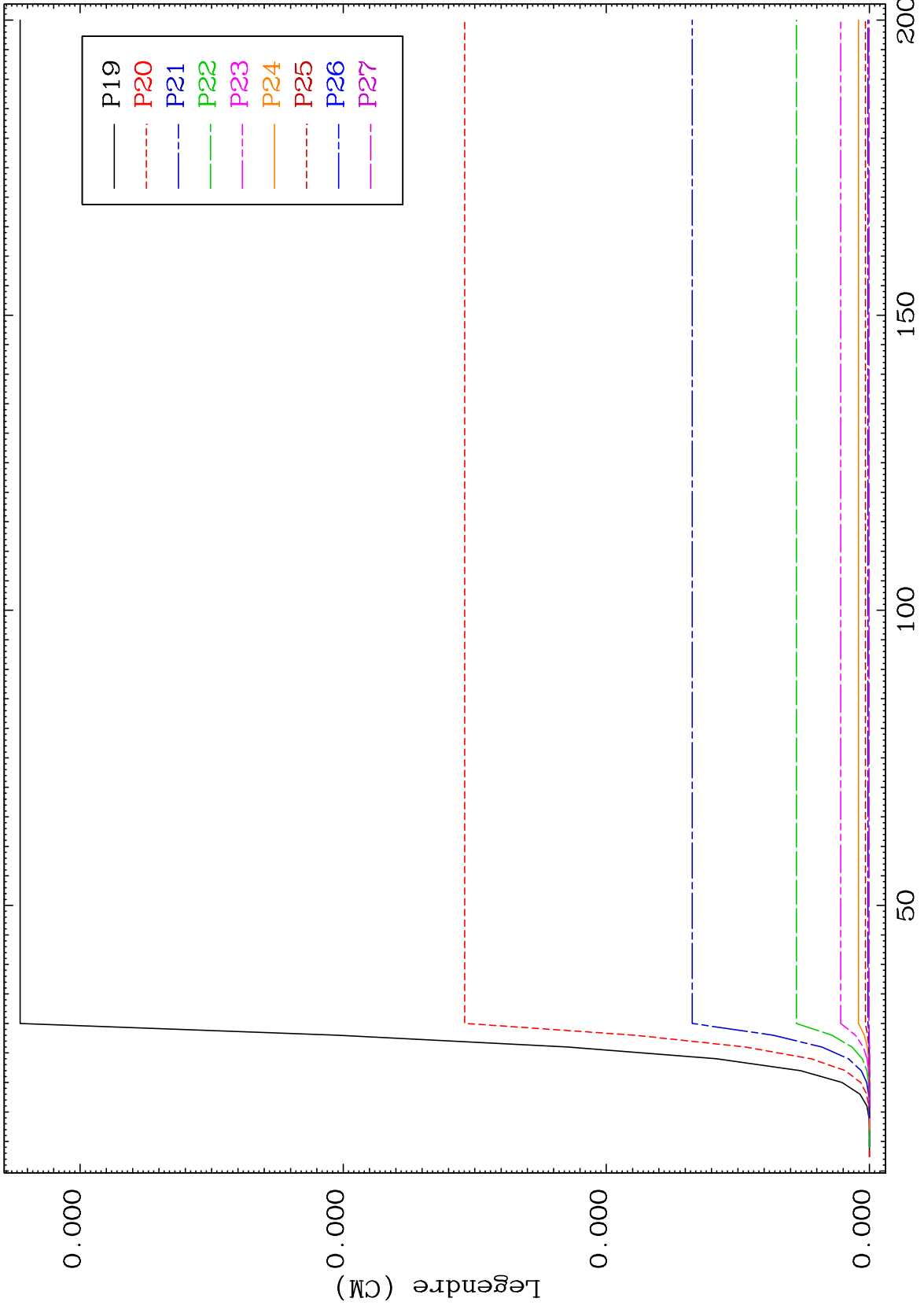
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



35

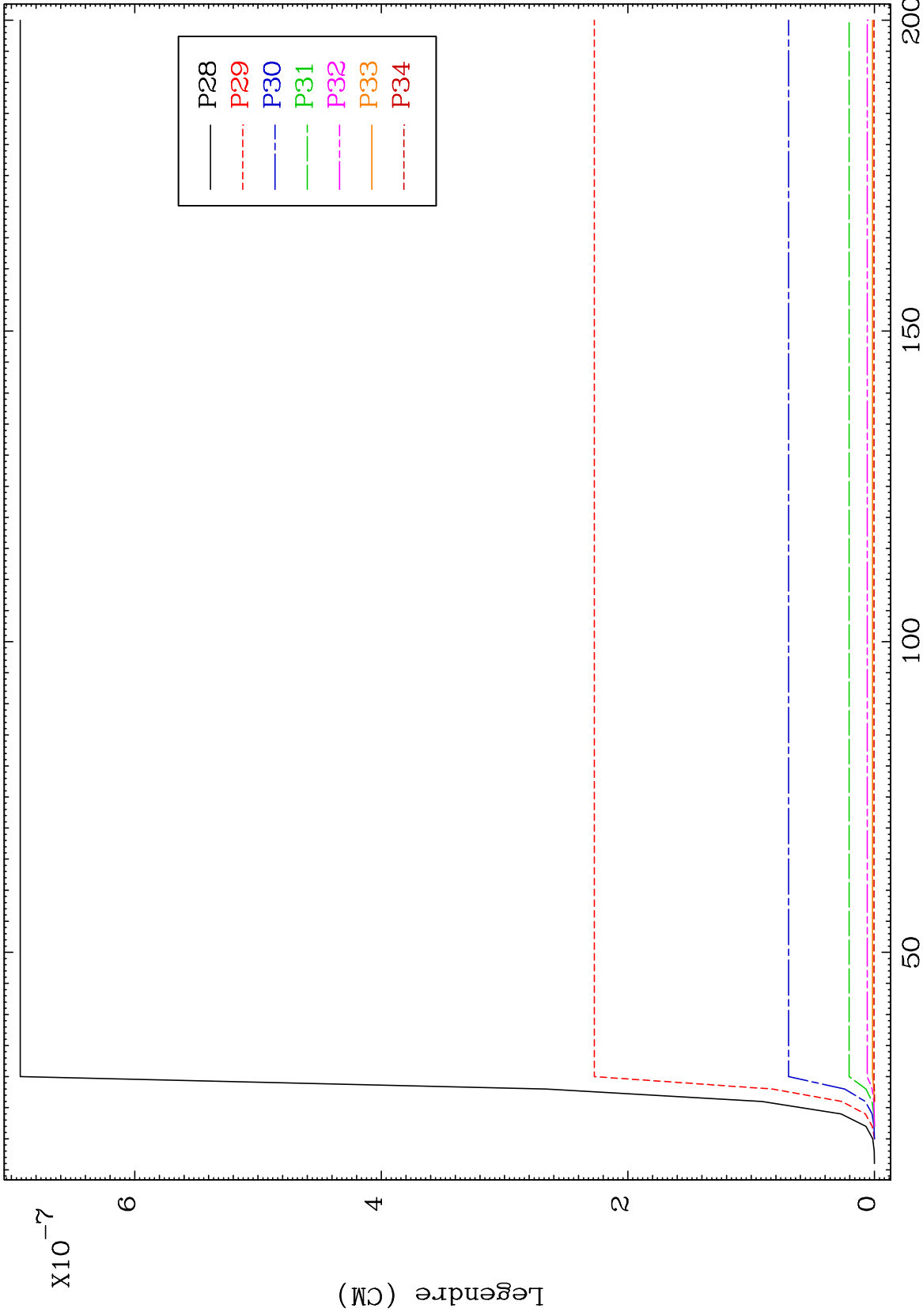
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



36

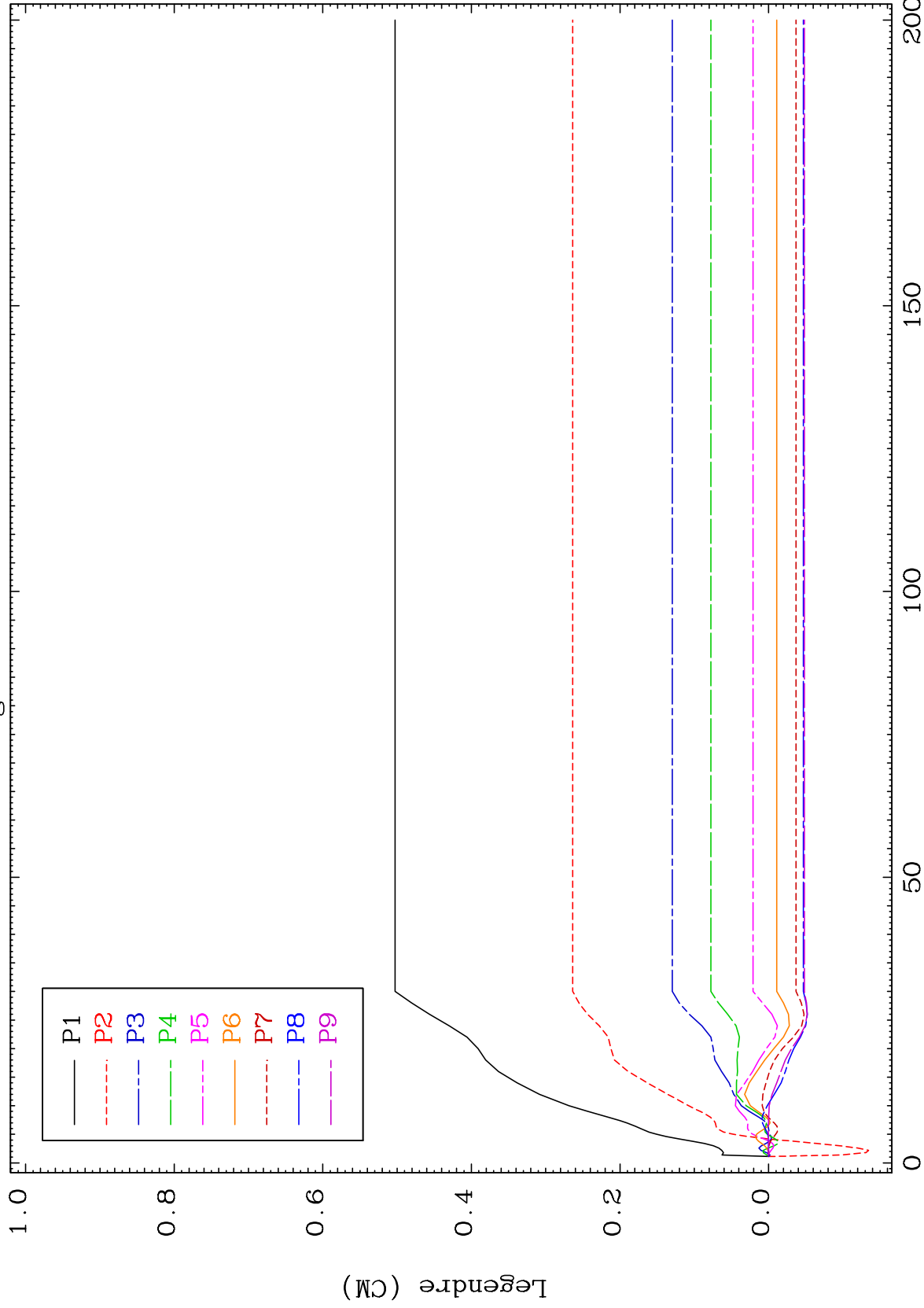
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



37

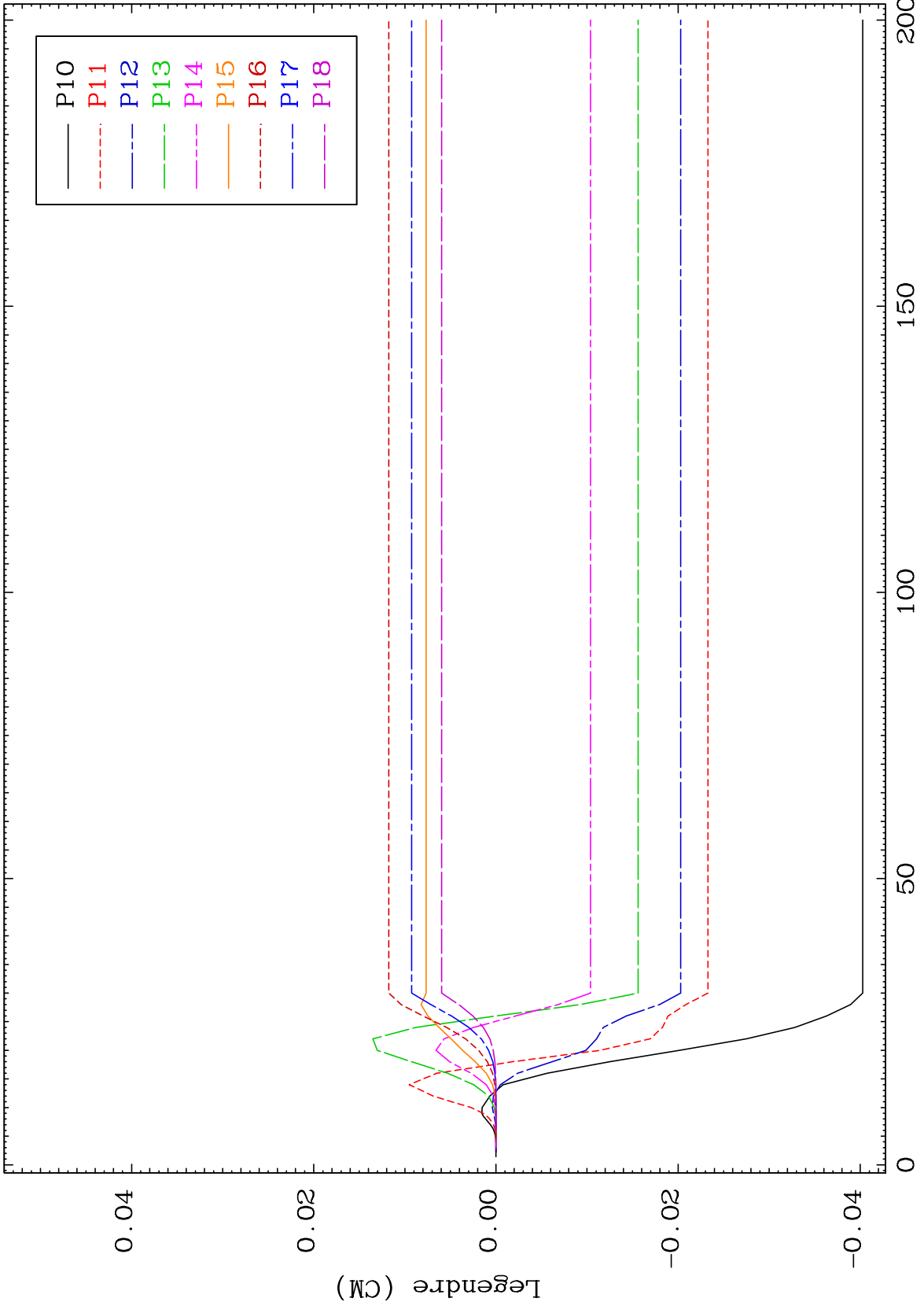
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



38

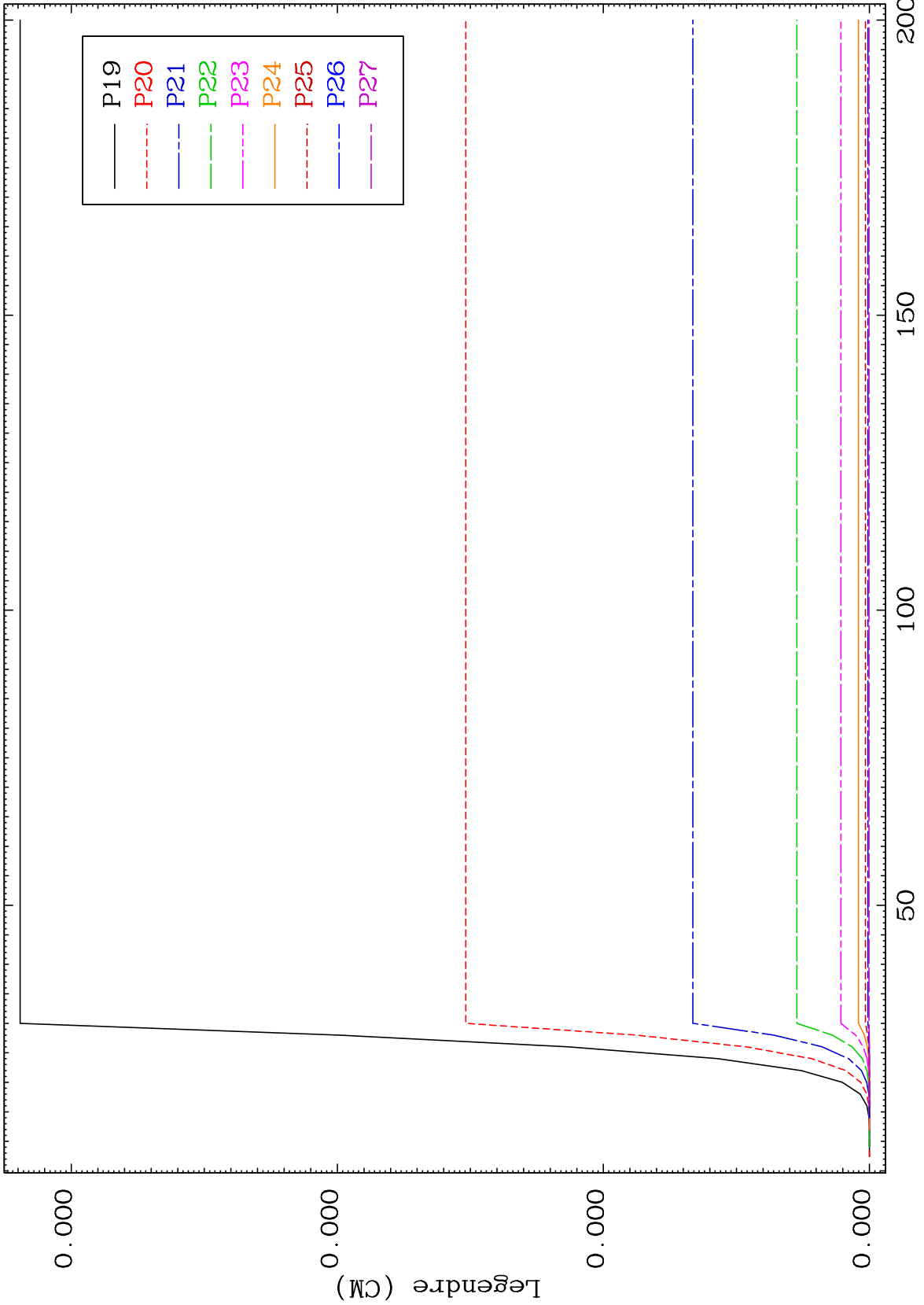
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



39

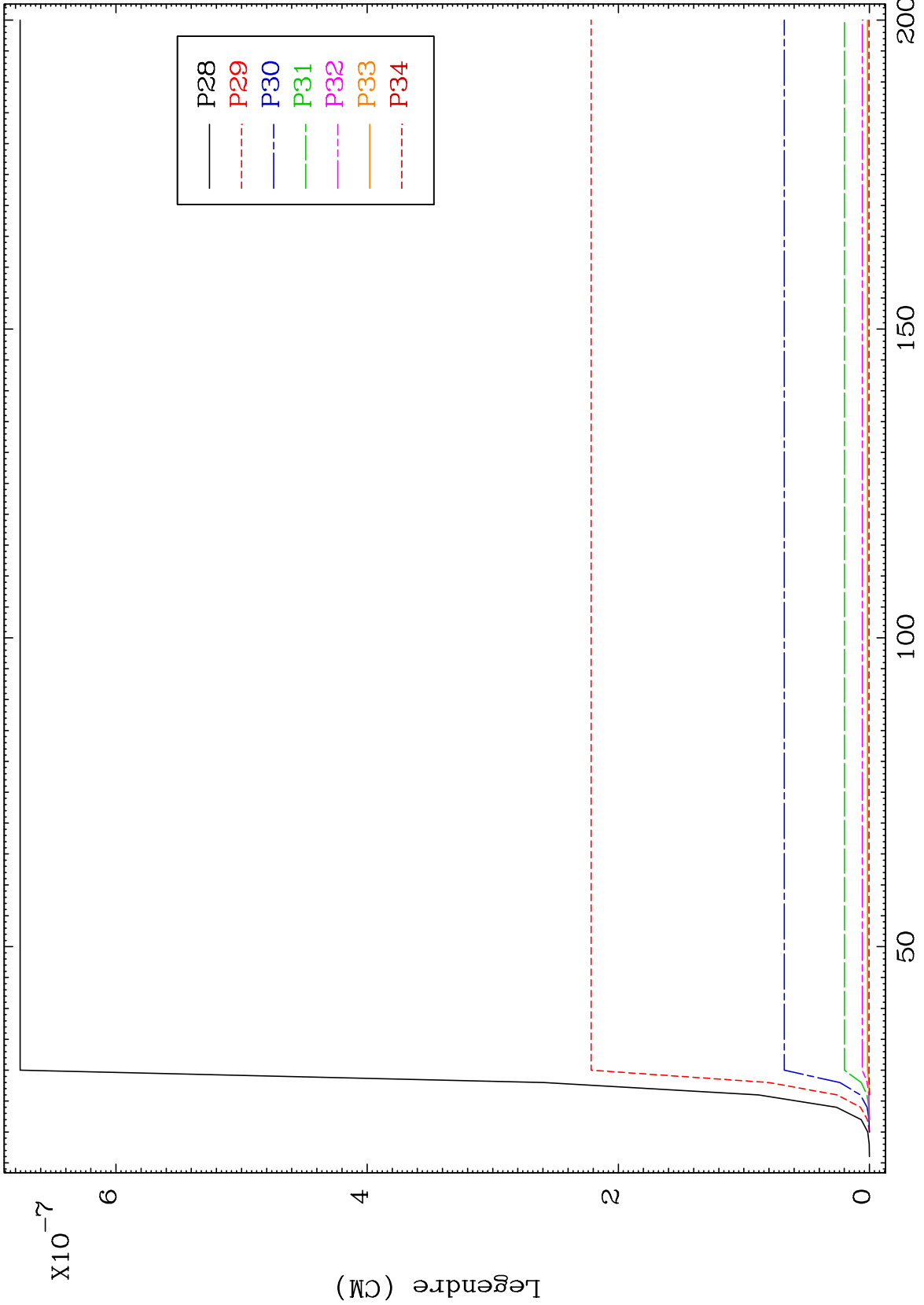
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



40

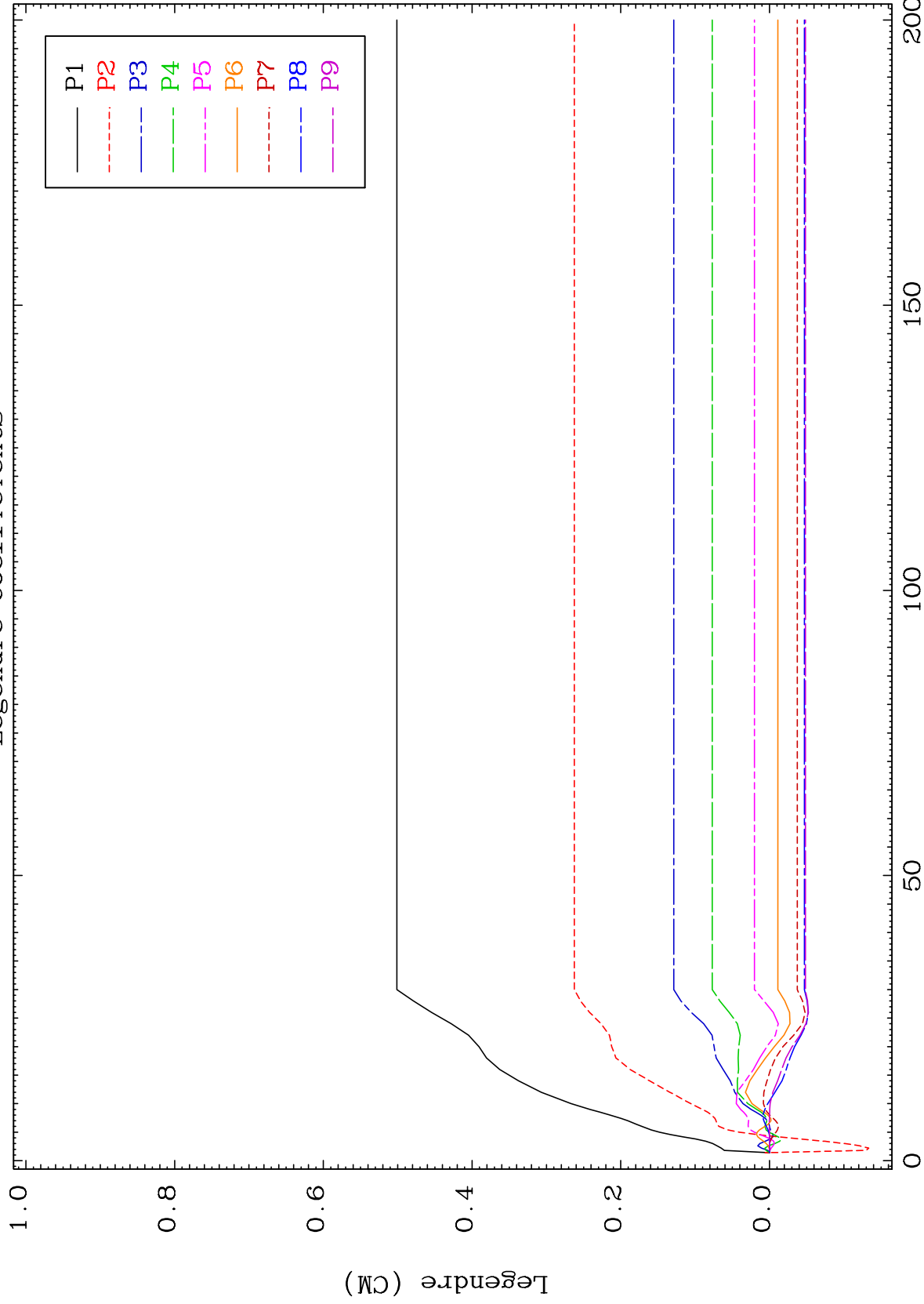
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



41

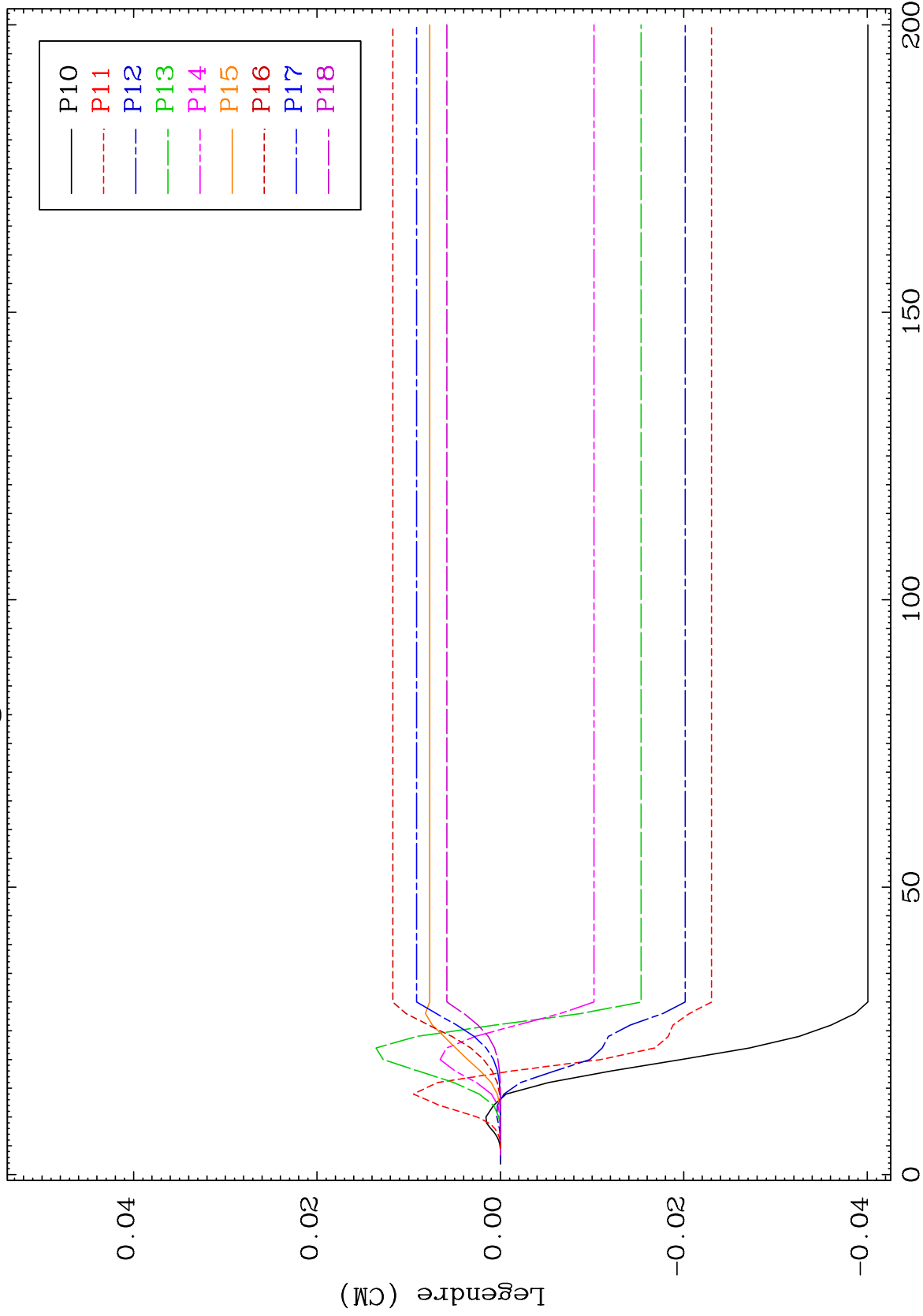
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



42

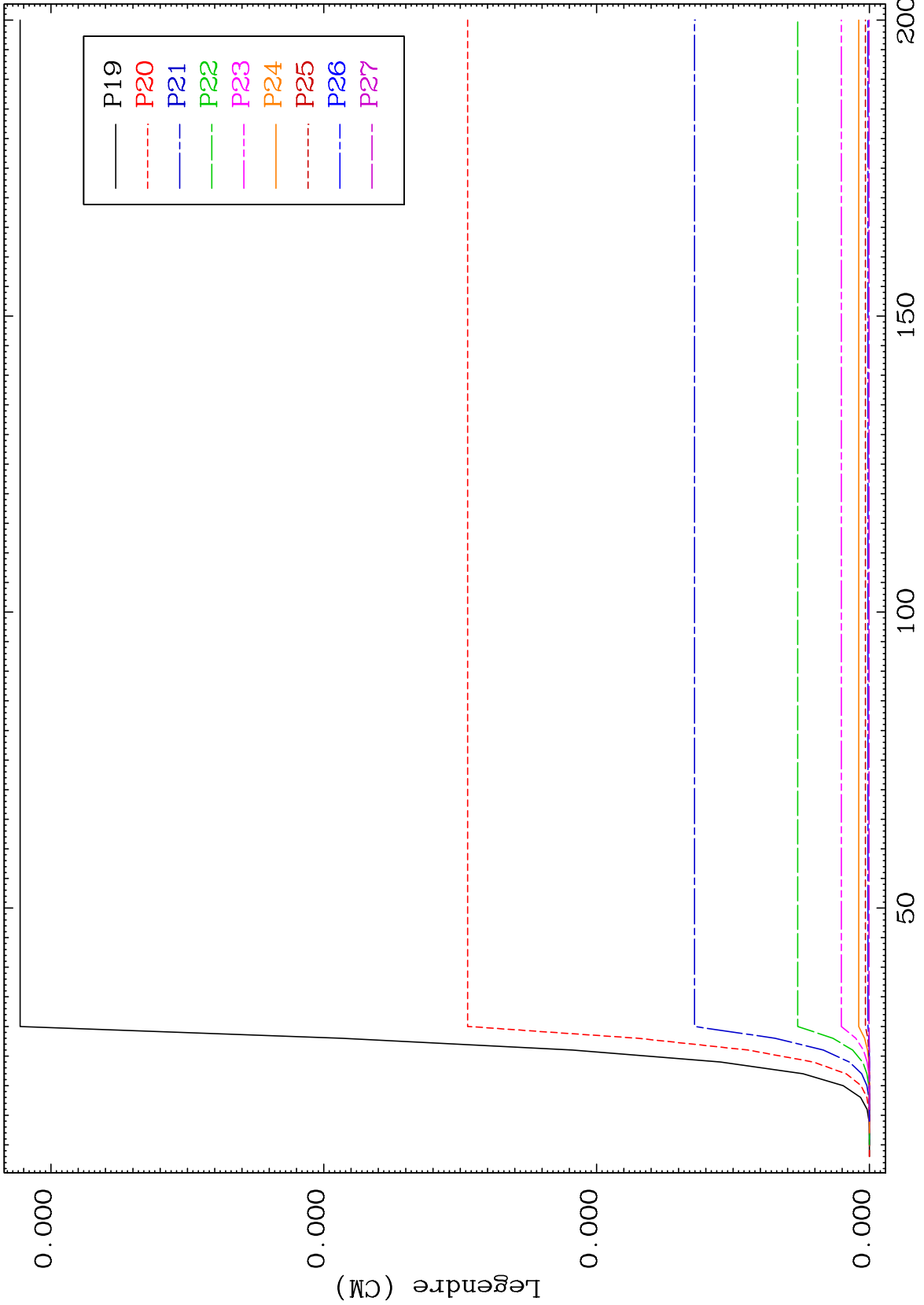
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



43

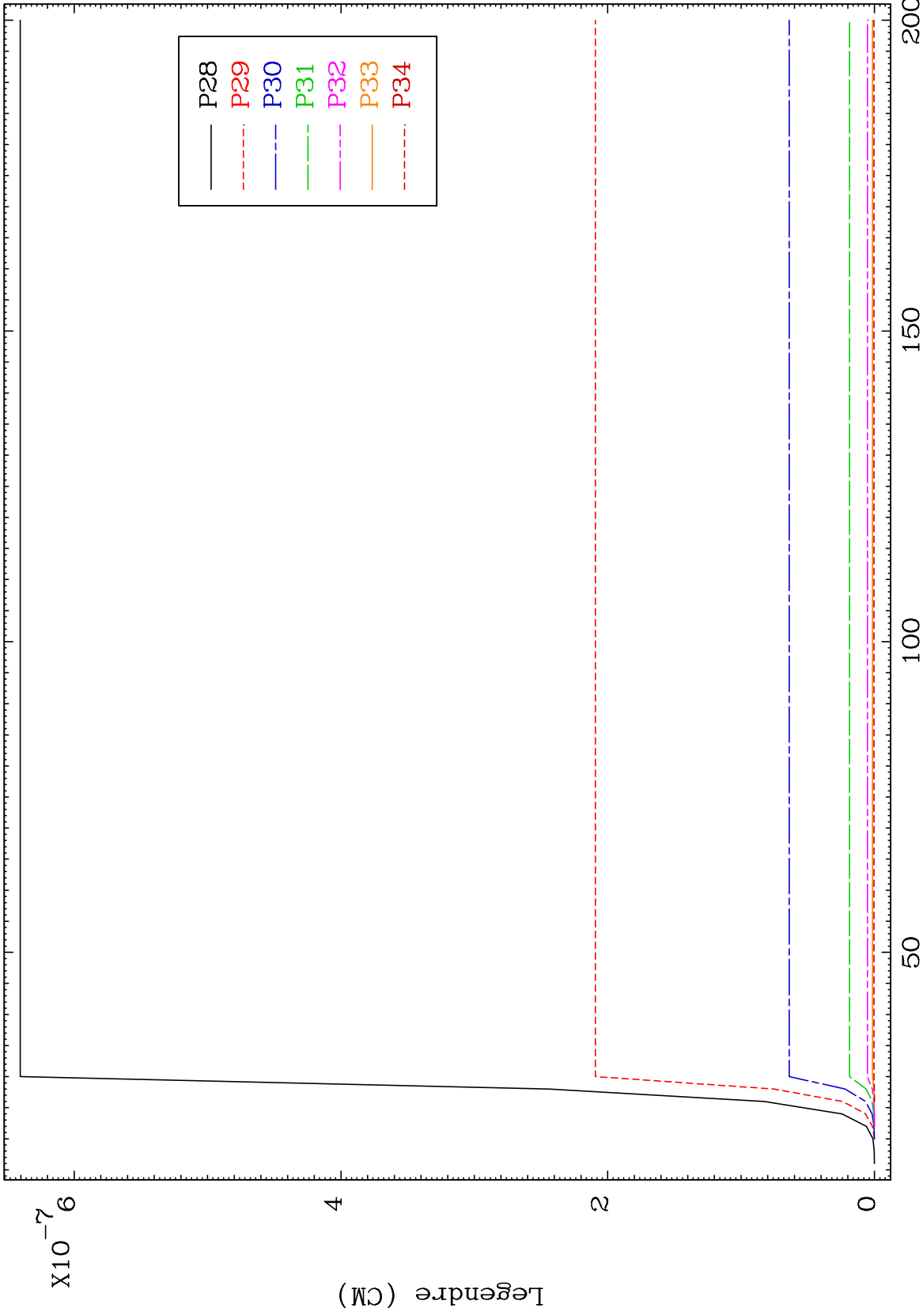
Incident Energy (MeV)

43-Tc-89

MAT 4295

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

43-Tc-89



44

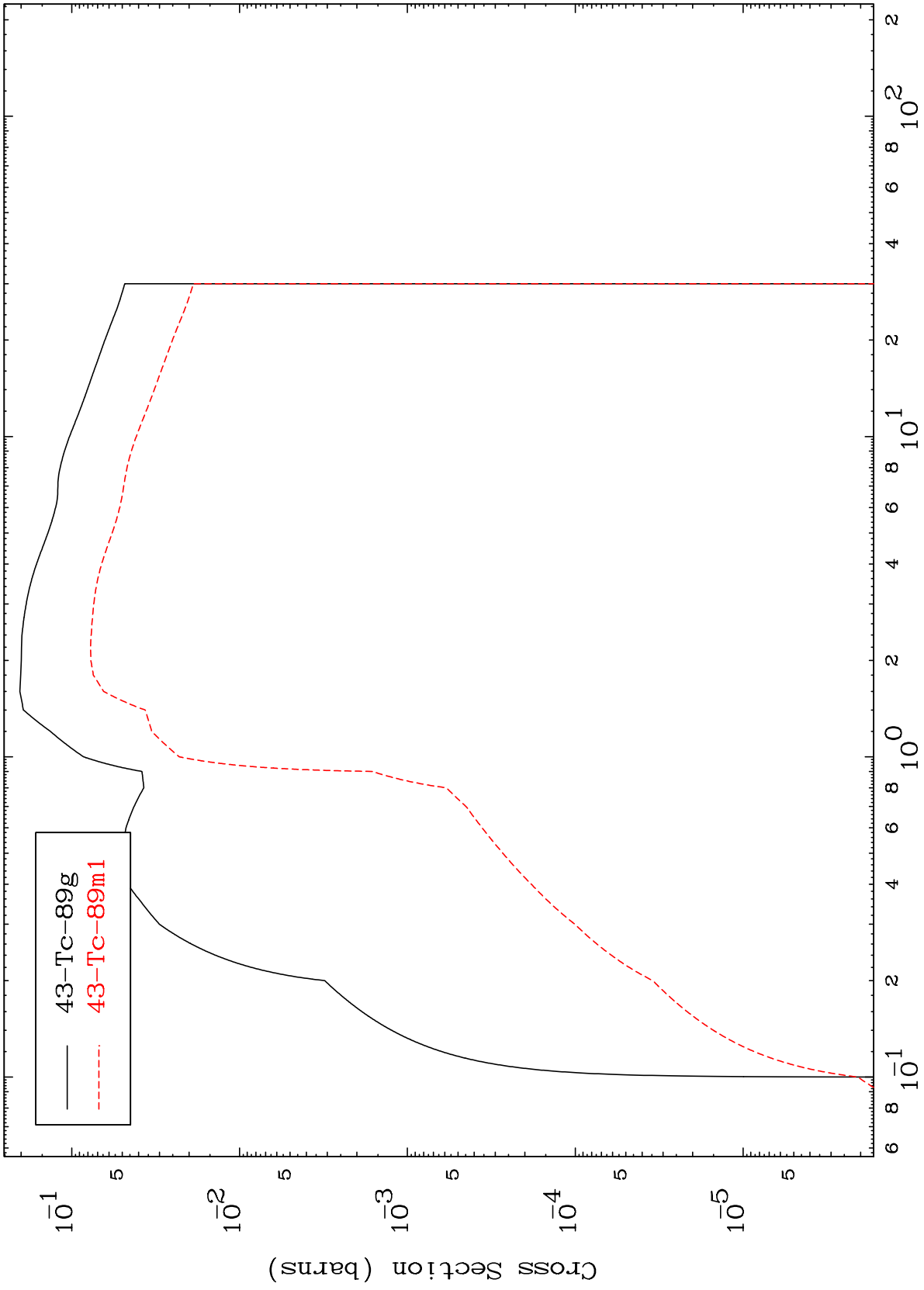
Incident Energy (MeV)

43-Tc-89

MAT 4295

43-Tc-89

Radionuclide Production Cross Section



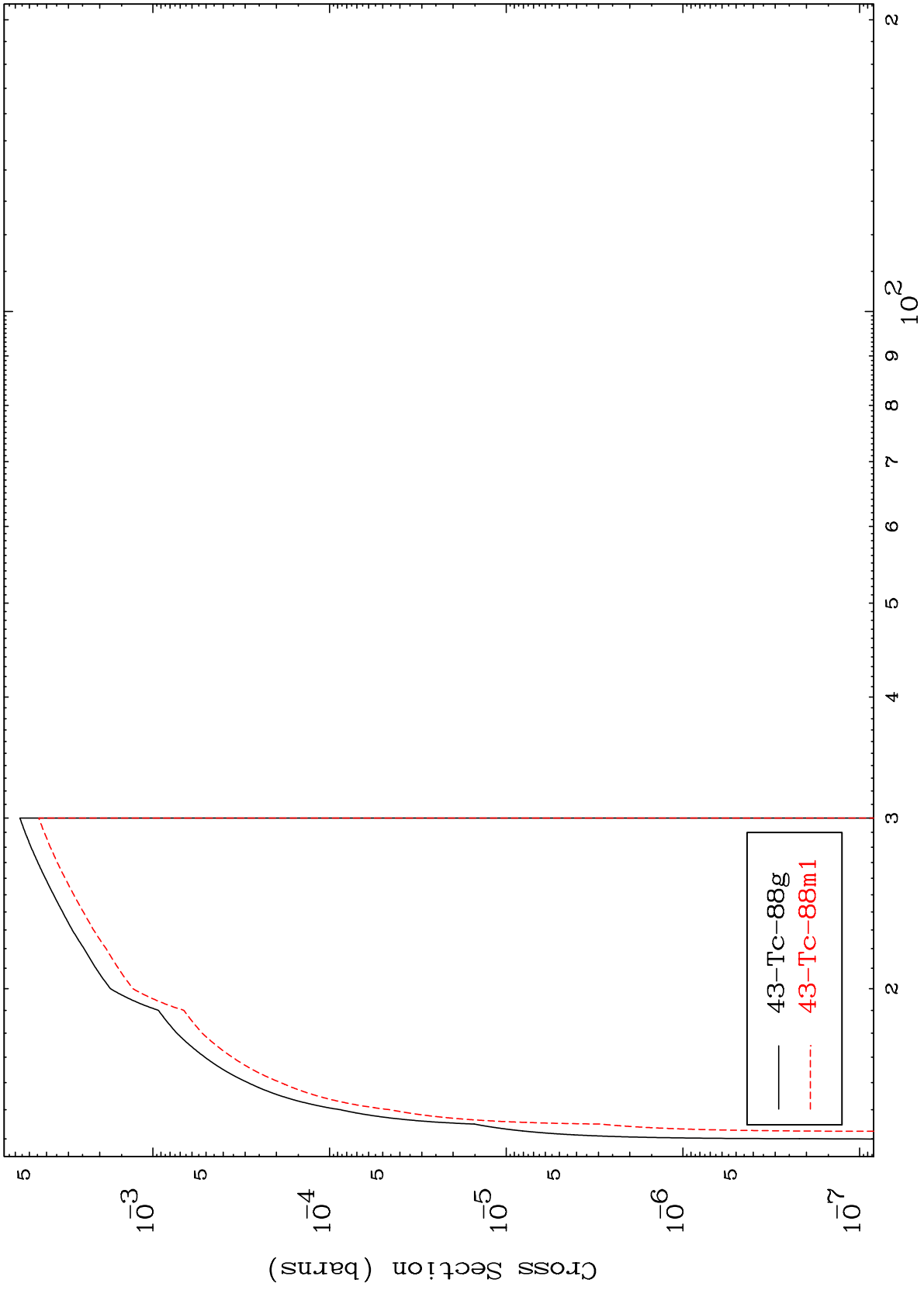
45

43-Tc-89

MAT 4295

43-Tc-89

(n,2n)
Radionuclide Production Cross Section



46

Incident Energy (MeV)

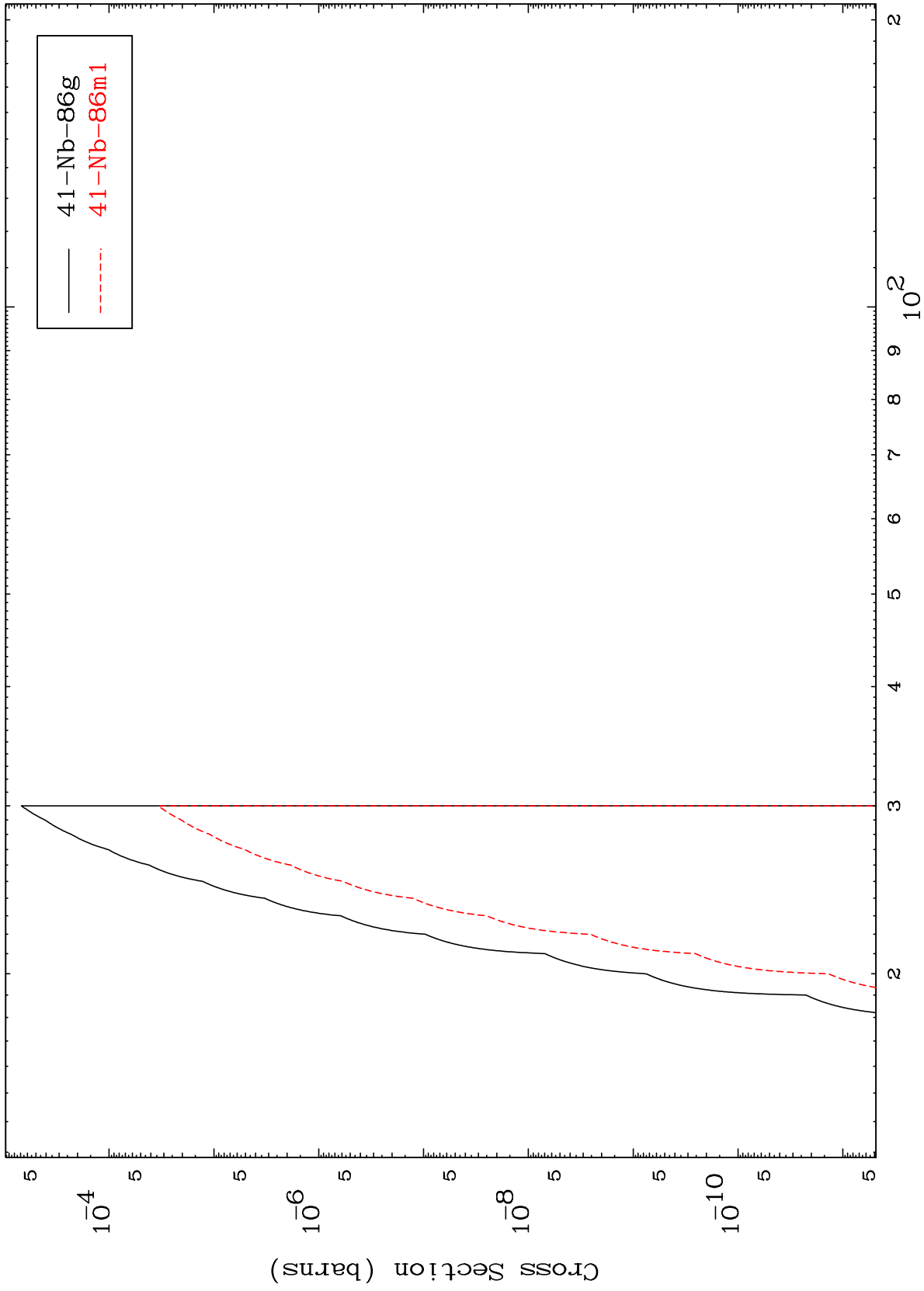
43-Tc-89

MAT 4295

(n, n') He-3

43-Tc-89

Radionuclide Production Cross Section



47

Incident Energy (MeV)

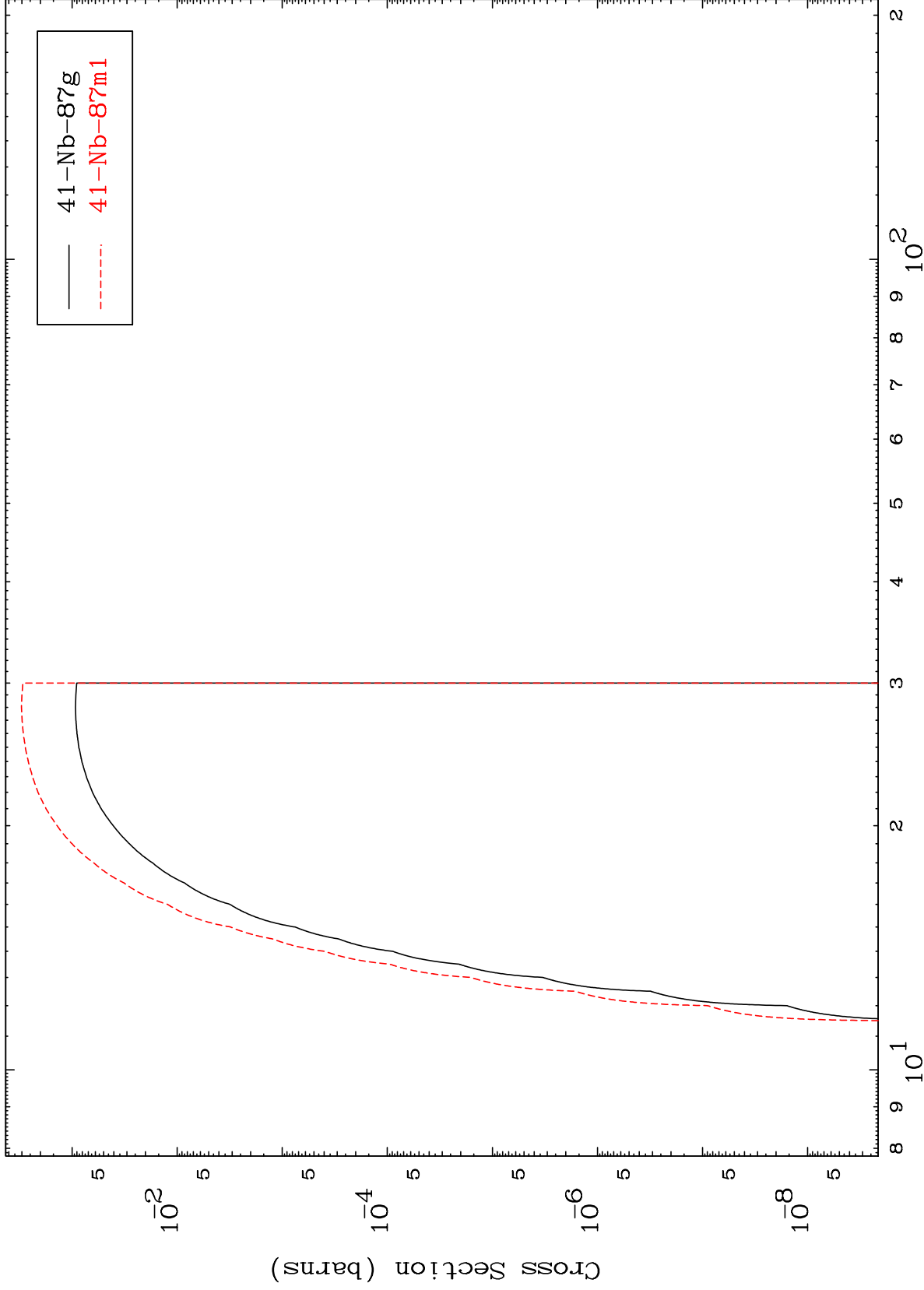
43-Tc-89

MAT 4295

(n,2n) p

43-Tc-89

Radionuclide Production Cross Section



48

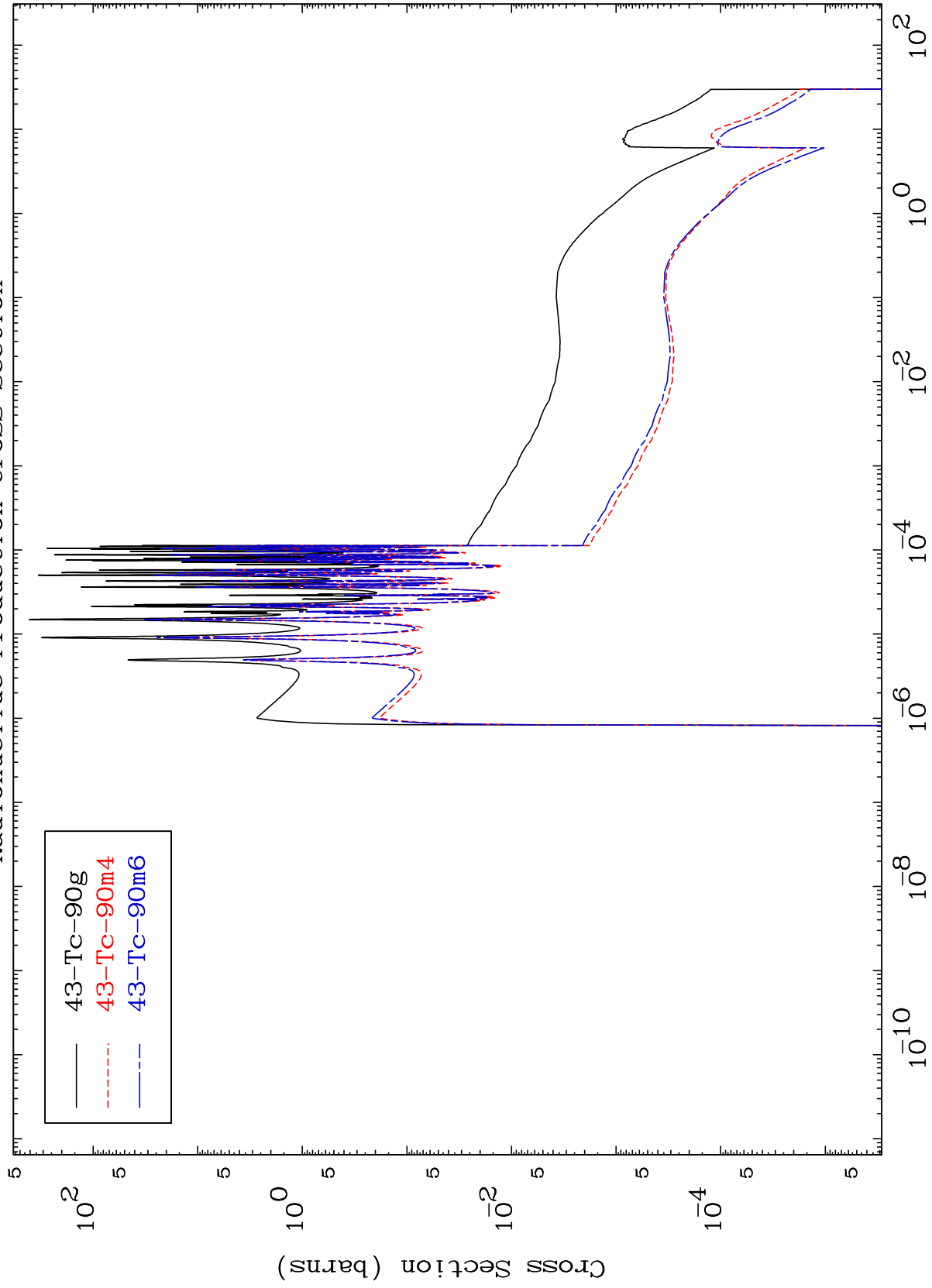
Incident Energy (MeV)

43-Tc-89

MAT 4295

⁴³Tc-89

Radionuclide Production Cross Section (n,γ)



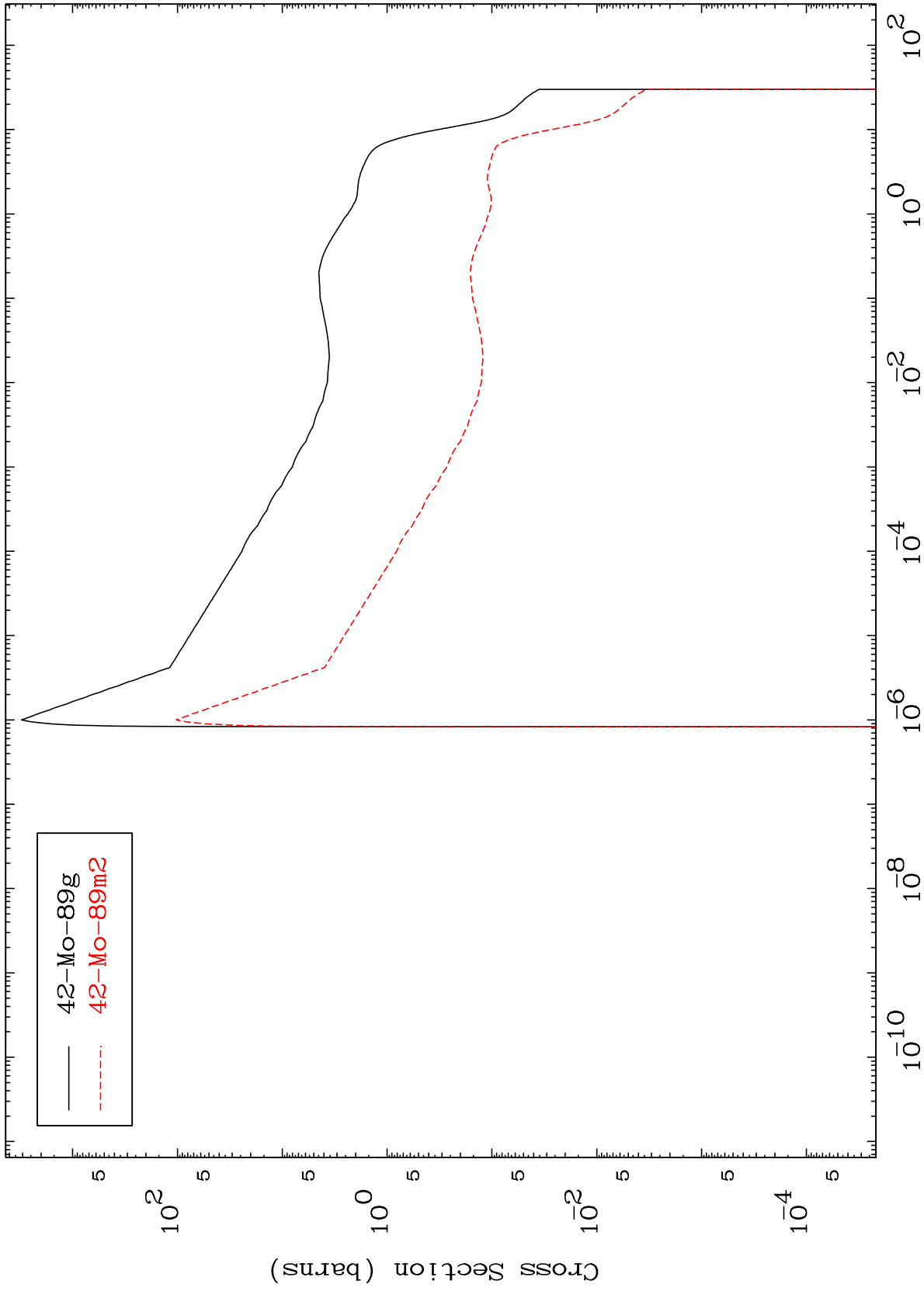
49

⁴³Tc-89

MAT 4295

43-Tc-89

(n,p)
Radionuclide Production Cross Section



— 42-Mo-89g
- - - 42-Mo-89m2

50

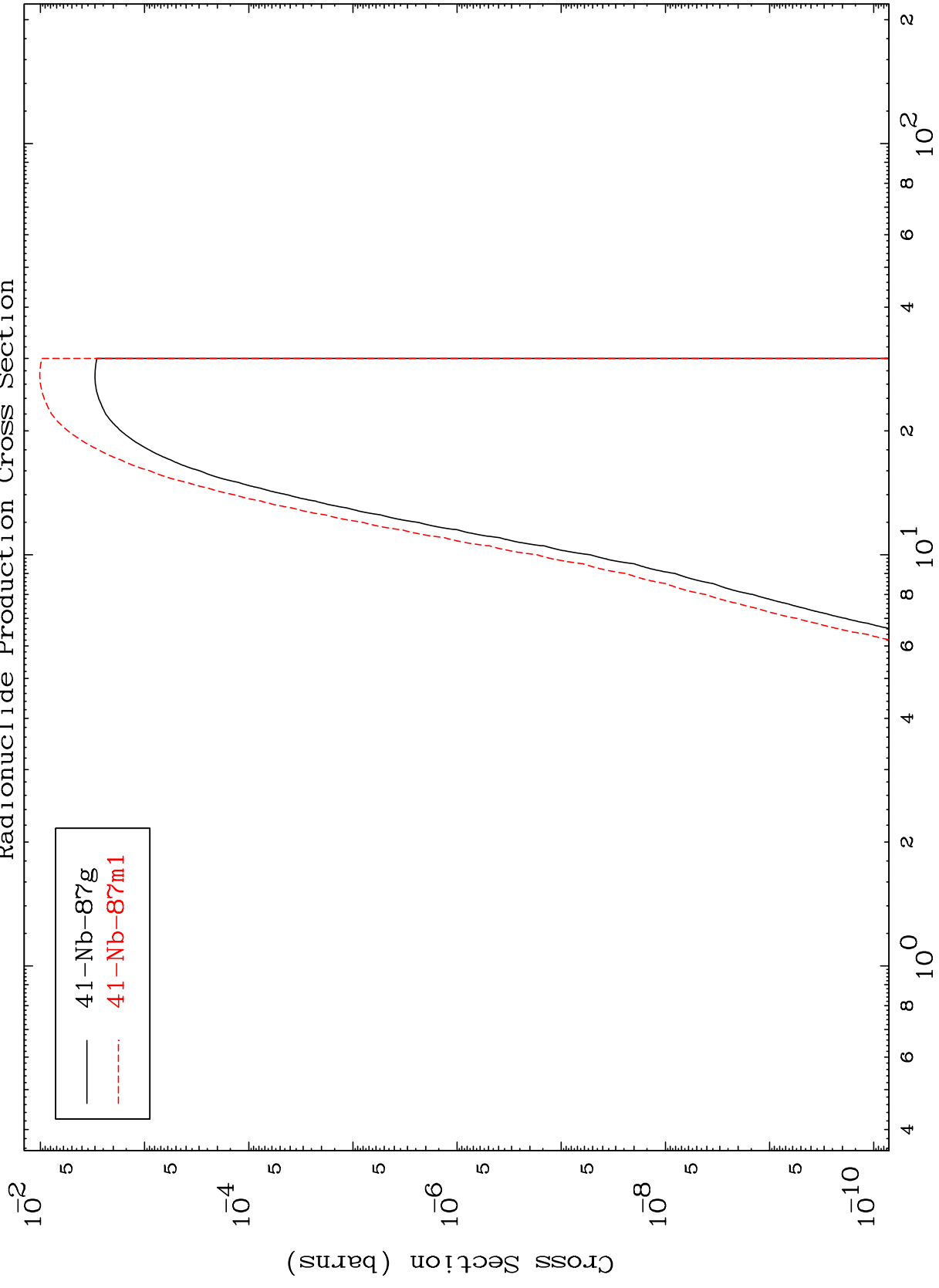
43-Tc-89

MAT 4295

(n, He-3)

43-Tc-89

Radionuclide Production Cross Section



41-Nb-87g
41-Nb-87m1

51

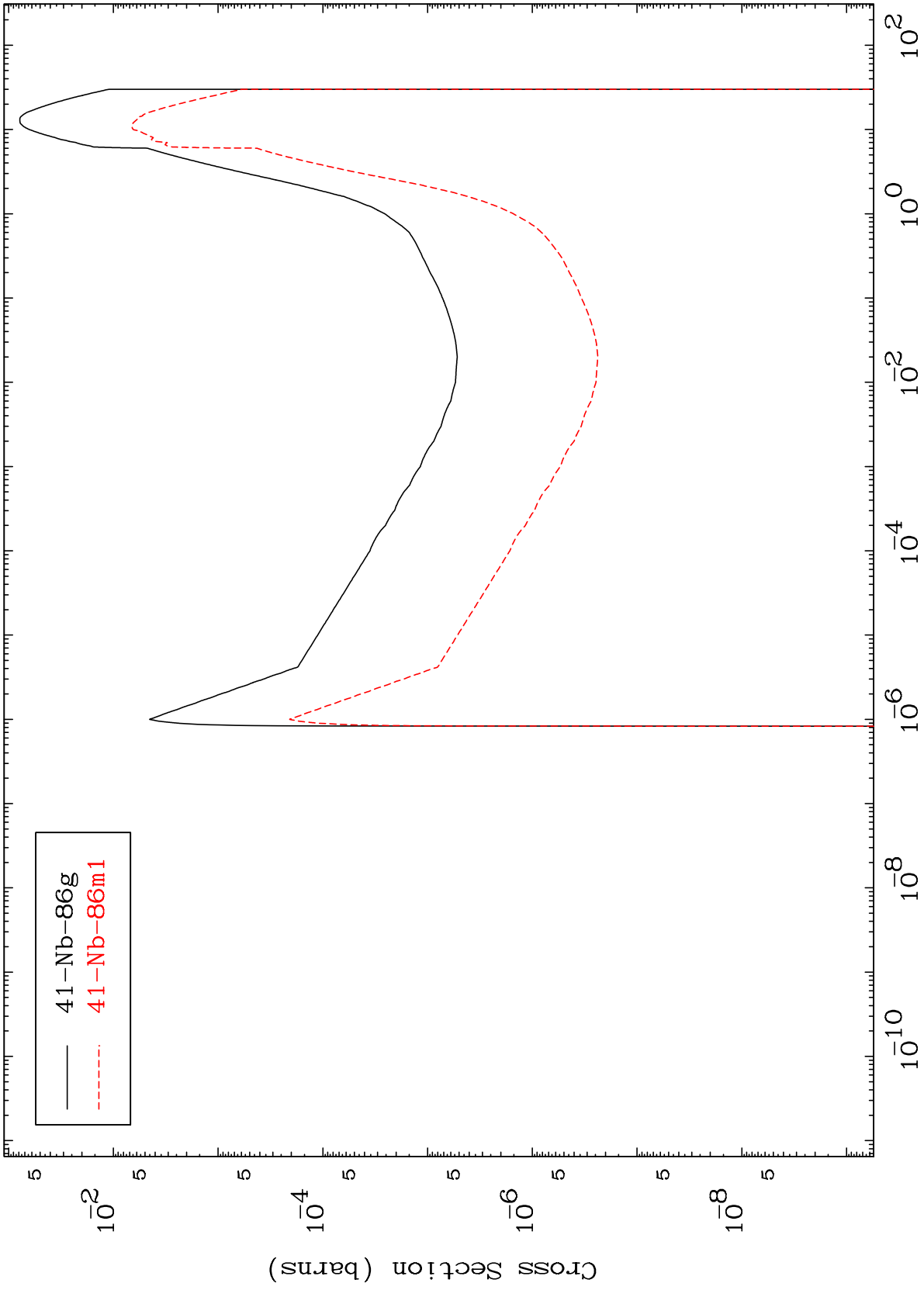
Incident Energy (MeV)

43-Tc-89

MAT 4295

(n,α)
Radionuclide Production Cross Section

43-Tc-89



52

Incident Energy (MeV)

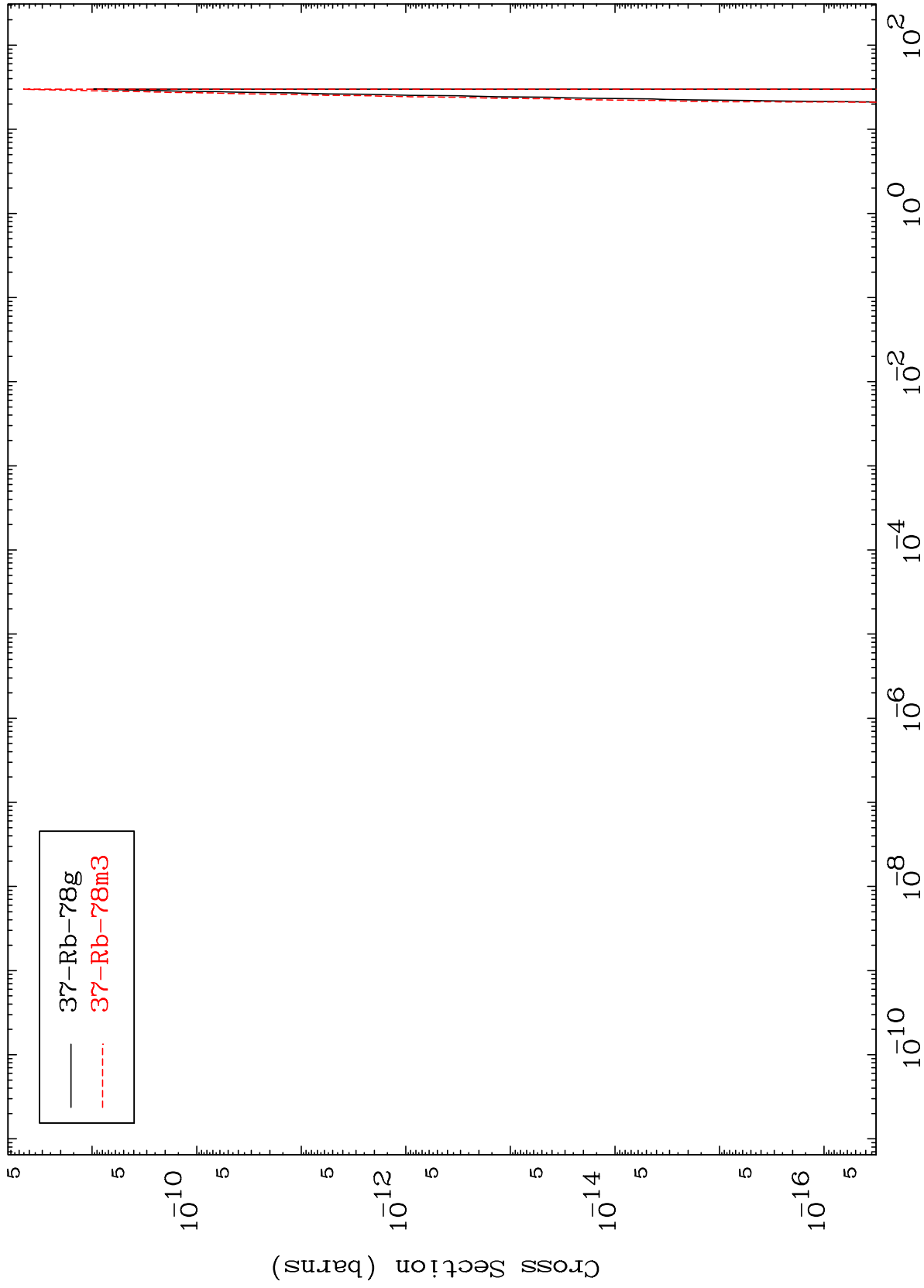
43-Tc-89

MAT 4295

(n,3α)

43-Tc-89

Radionuclide Production Cross Section



53

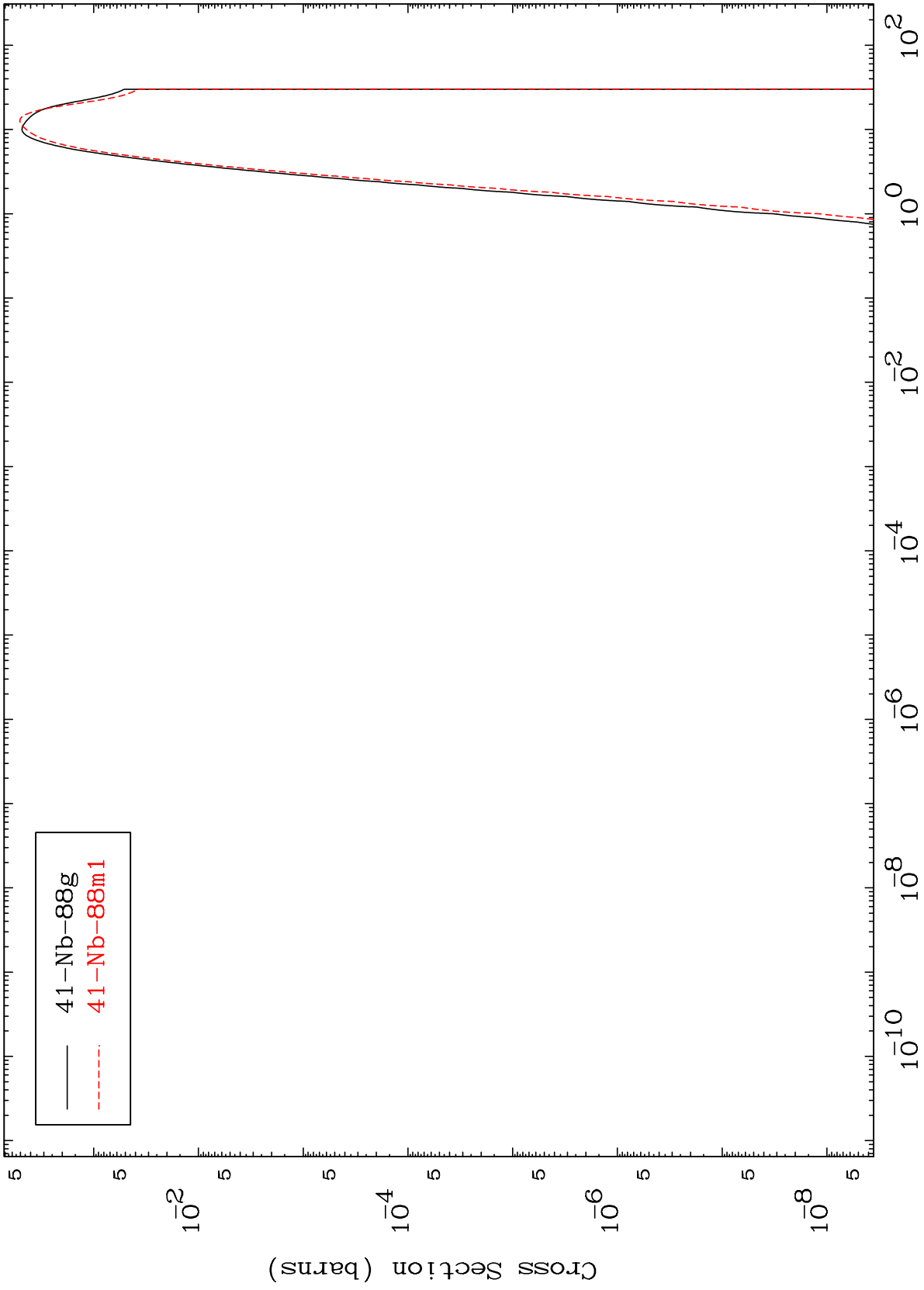
Incident Energy (MeV)

43-Tc-89

MAT 4295

(n,2p)
Radionuclide Production Cross Section

43-Tc-89



54

Incident Energy (MeV)

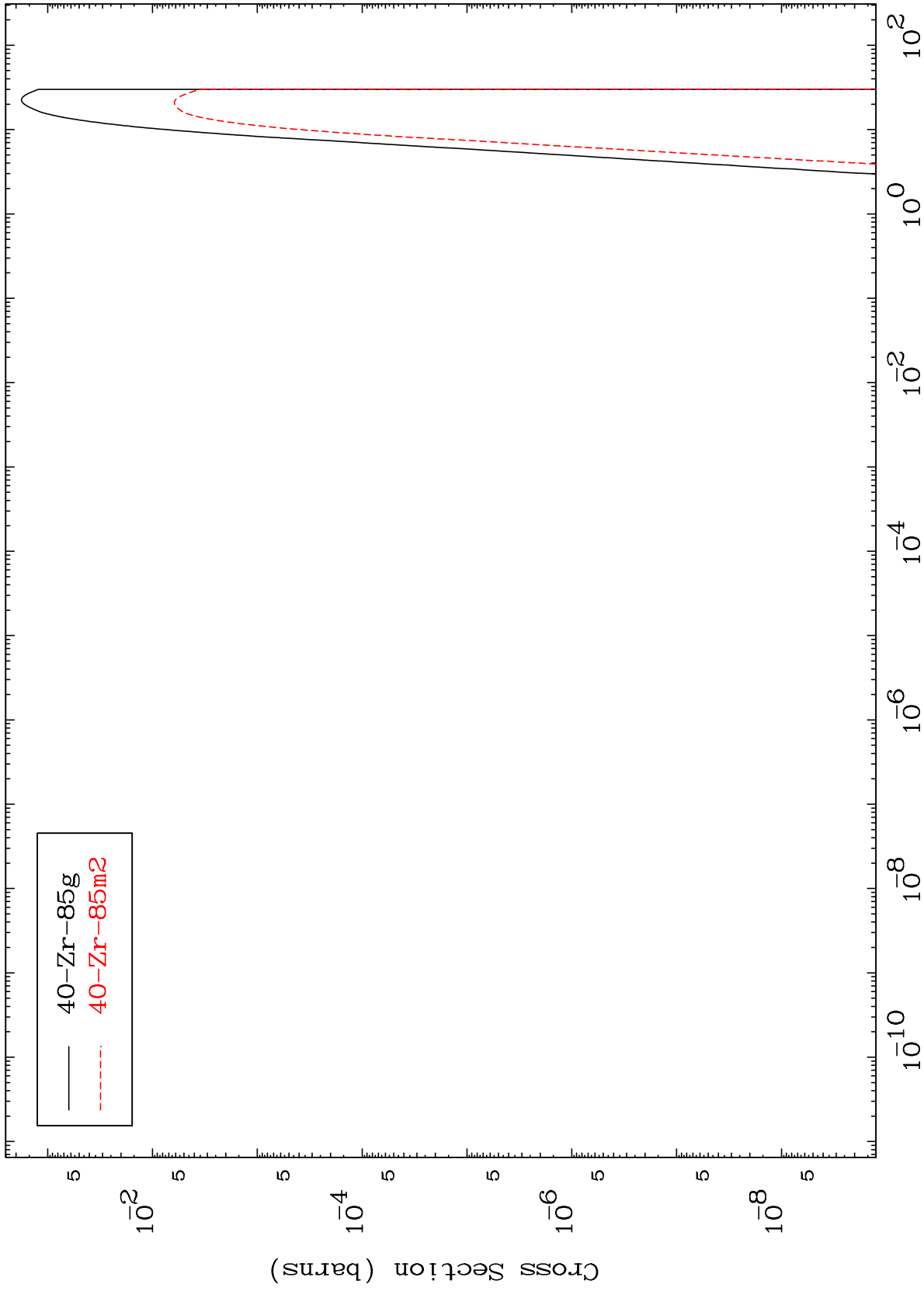
43-Tc-89

MAT 4295

(n,p) α

43-Tc-89

Radionuclide Production Cross Section



55

Incident Energy (MeV)

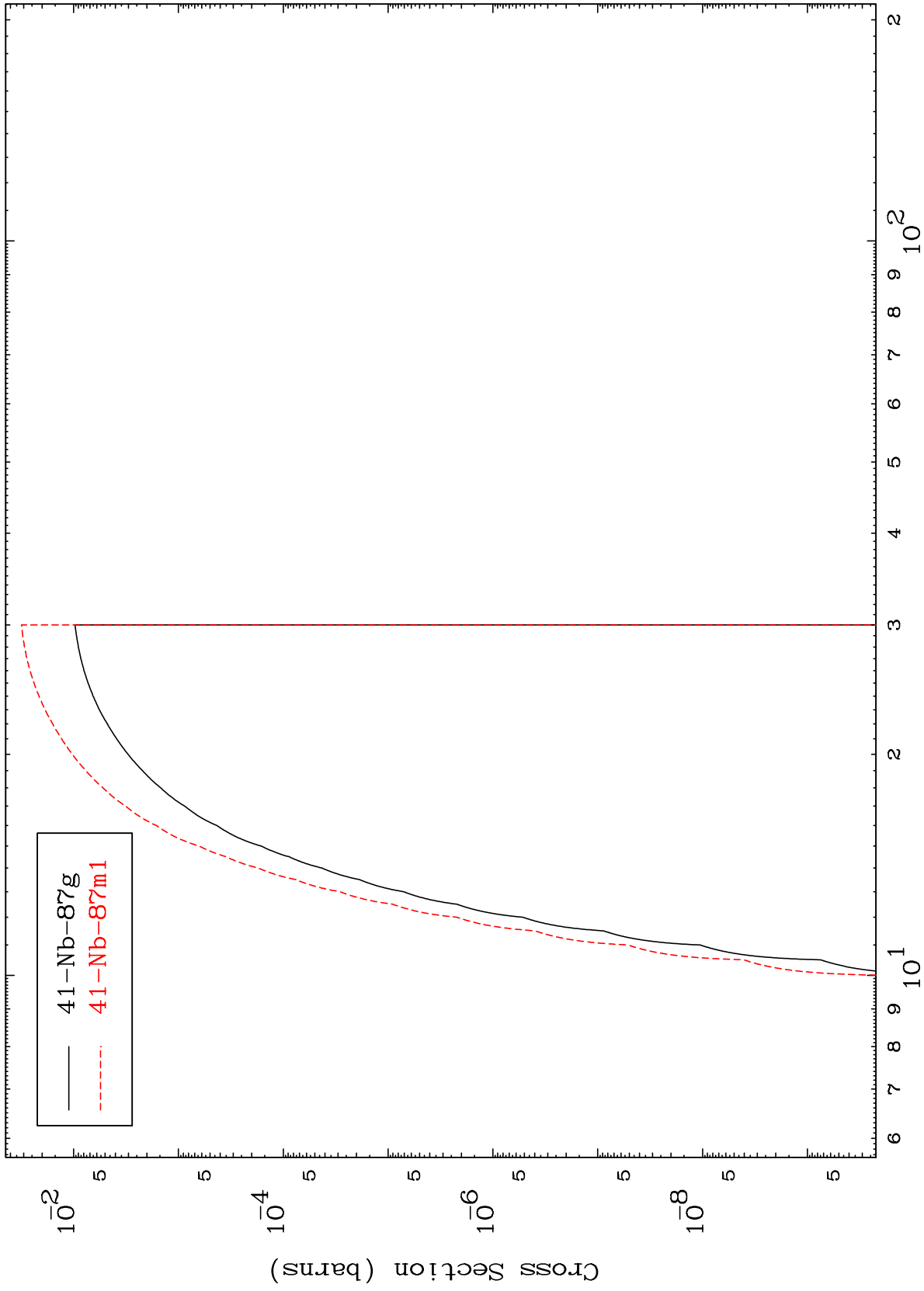
43-Tc-89

MAT 4295

(n,p) d

43-Tc-89

Radionuclide Production Cross Section



56

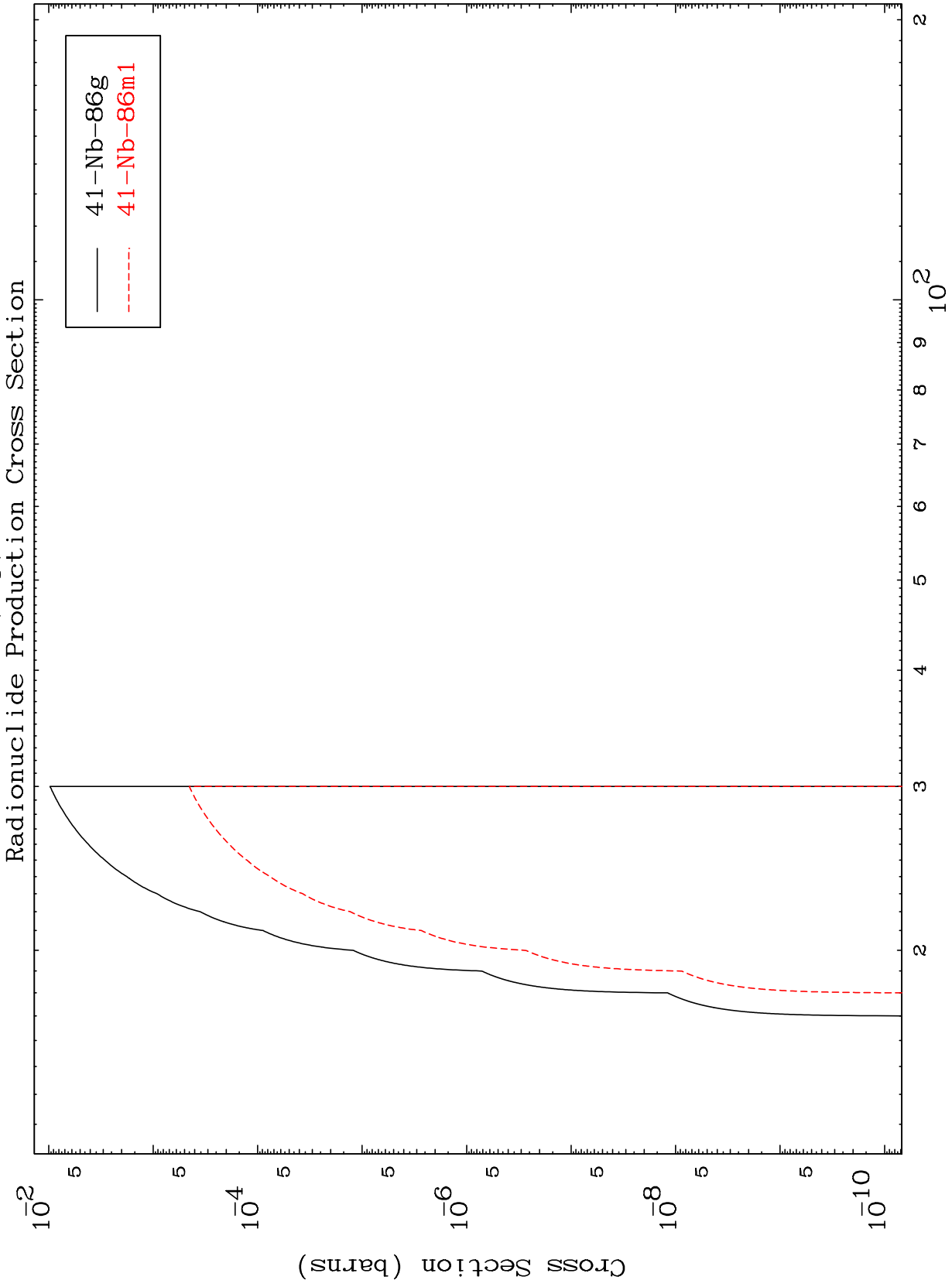
Incident Energy (MeV)

43-Tc-89

MAT 4295

(n,p) t

43-Tc-89



57

43-Tc-89