

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

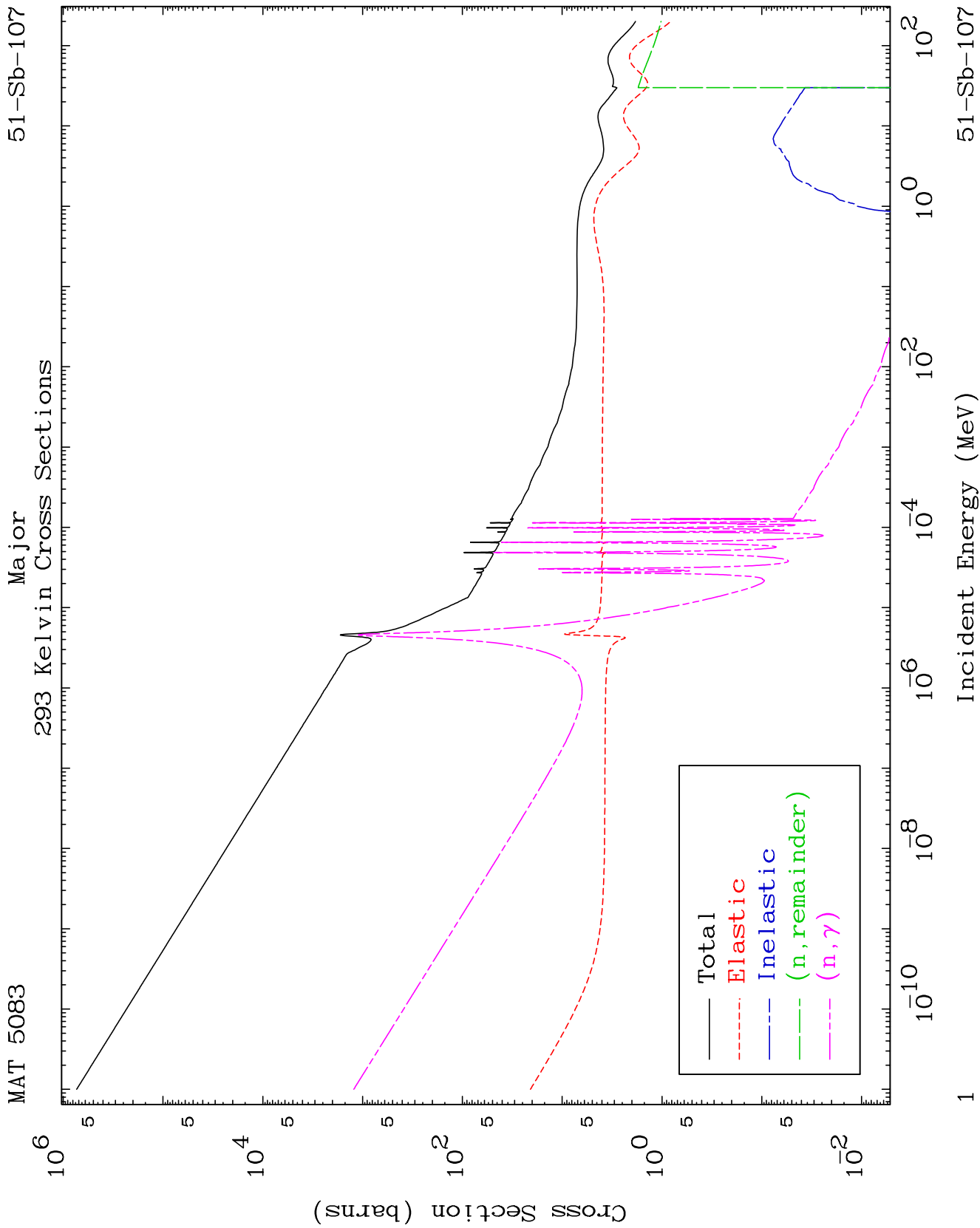
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Web:redcullen1.net/HOMEPAGE.NEW

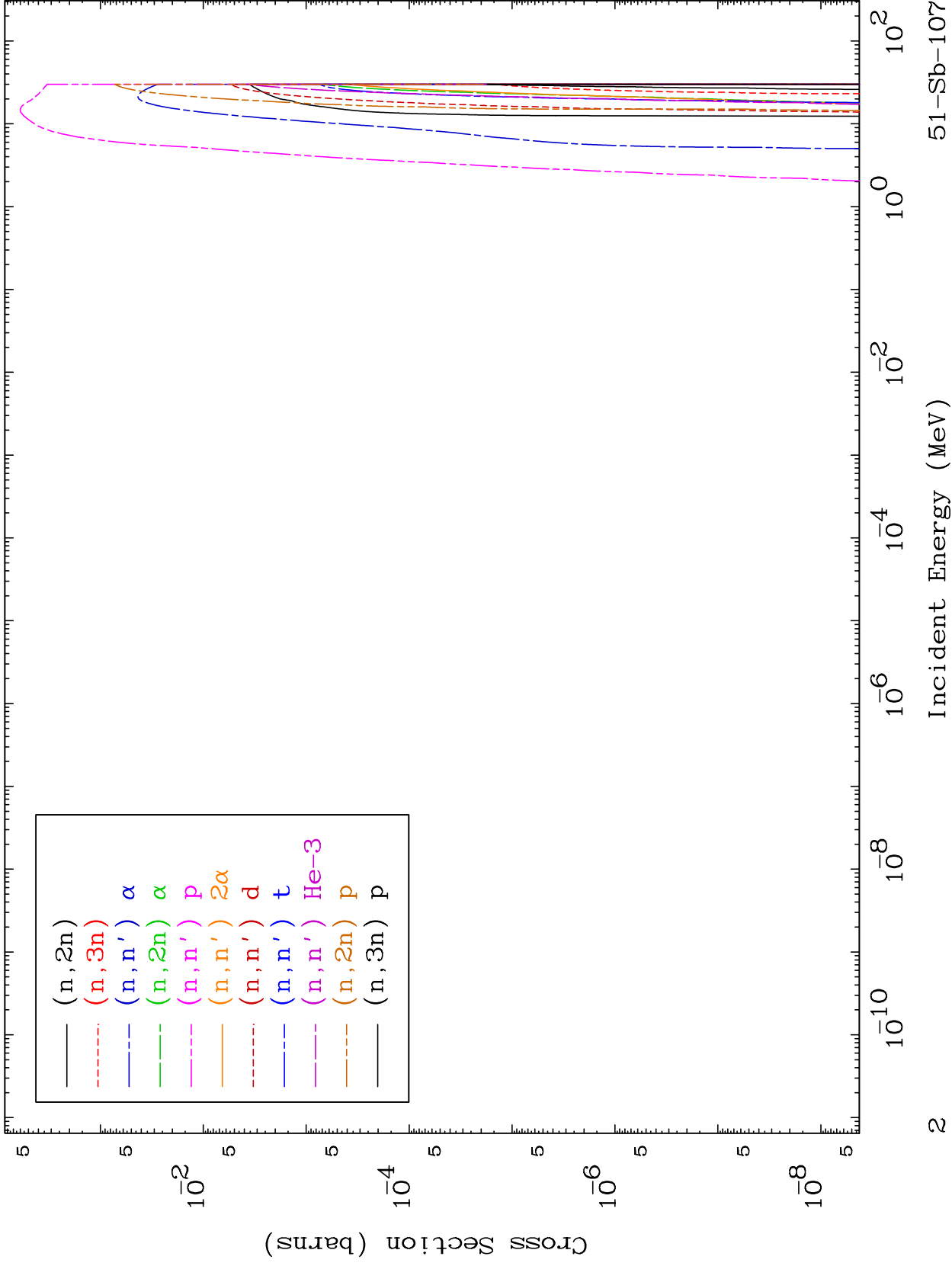
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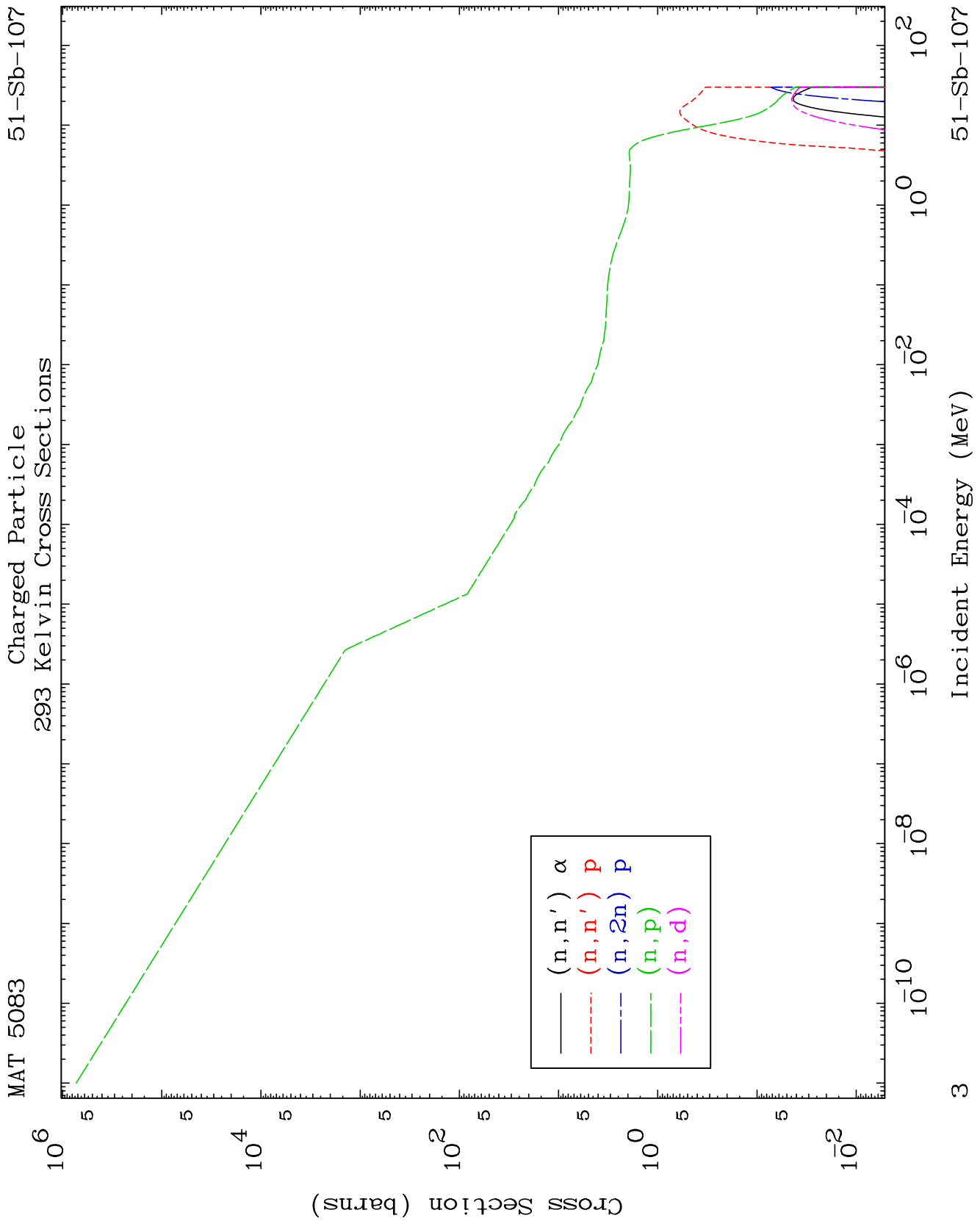


MAT 5083

Neutron Production
293 Kelvin Cross Sections

51-Sb-107

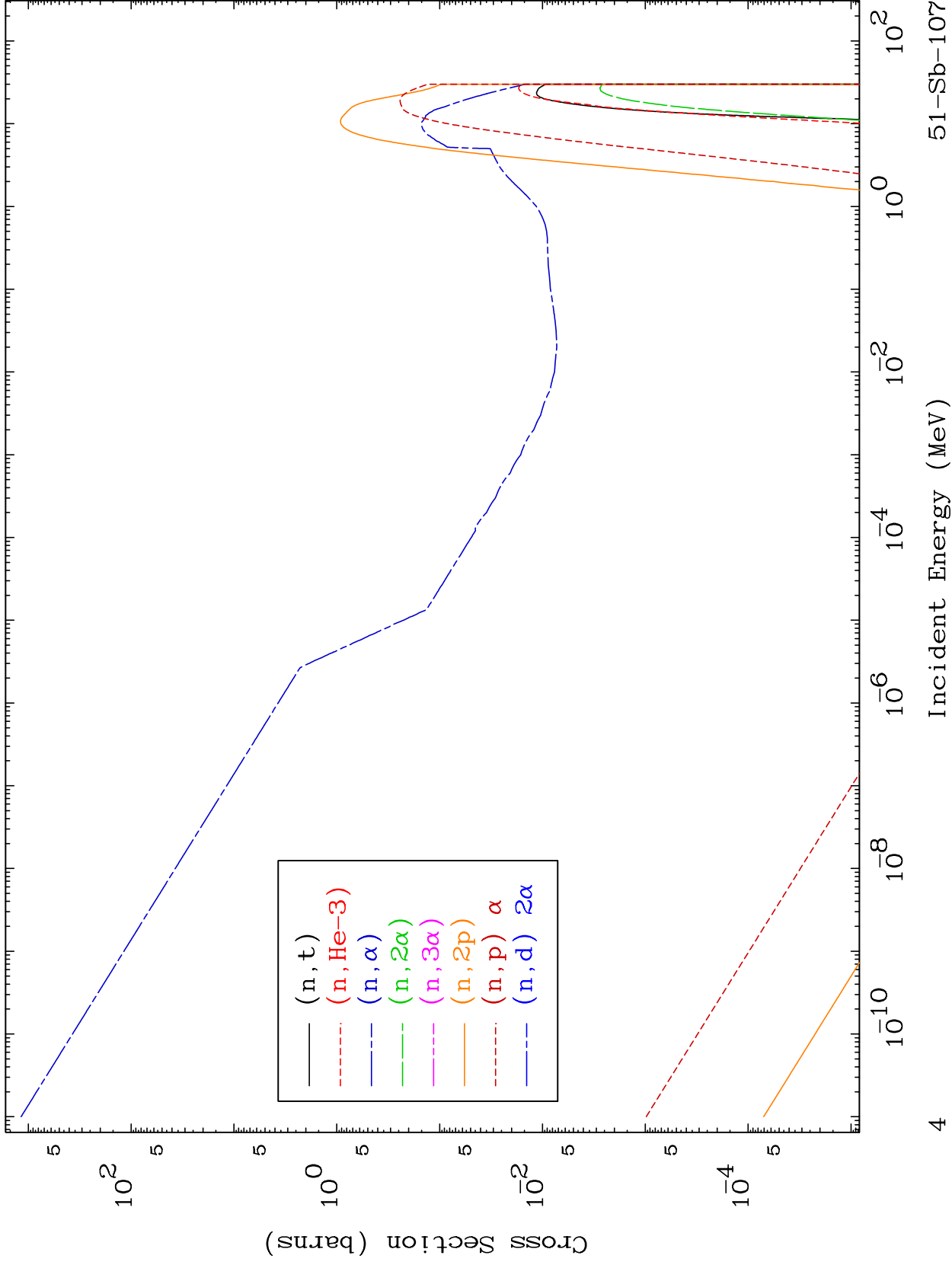




MAT 5083

Charged Particle
293 Kelvin Cross Sections

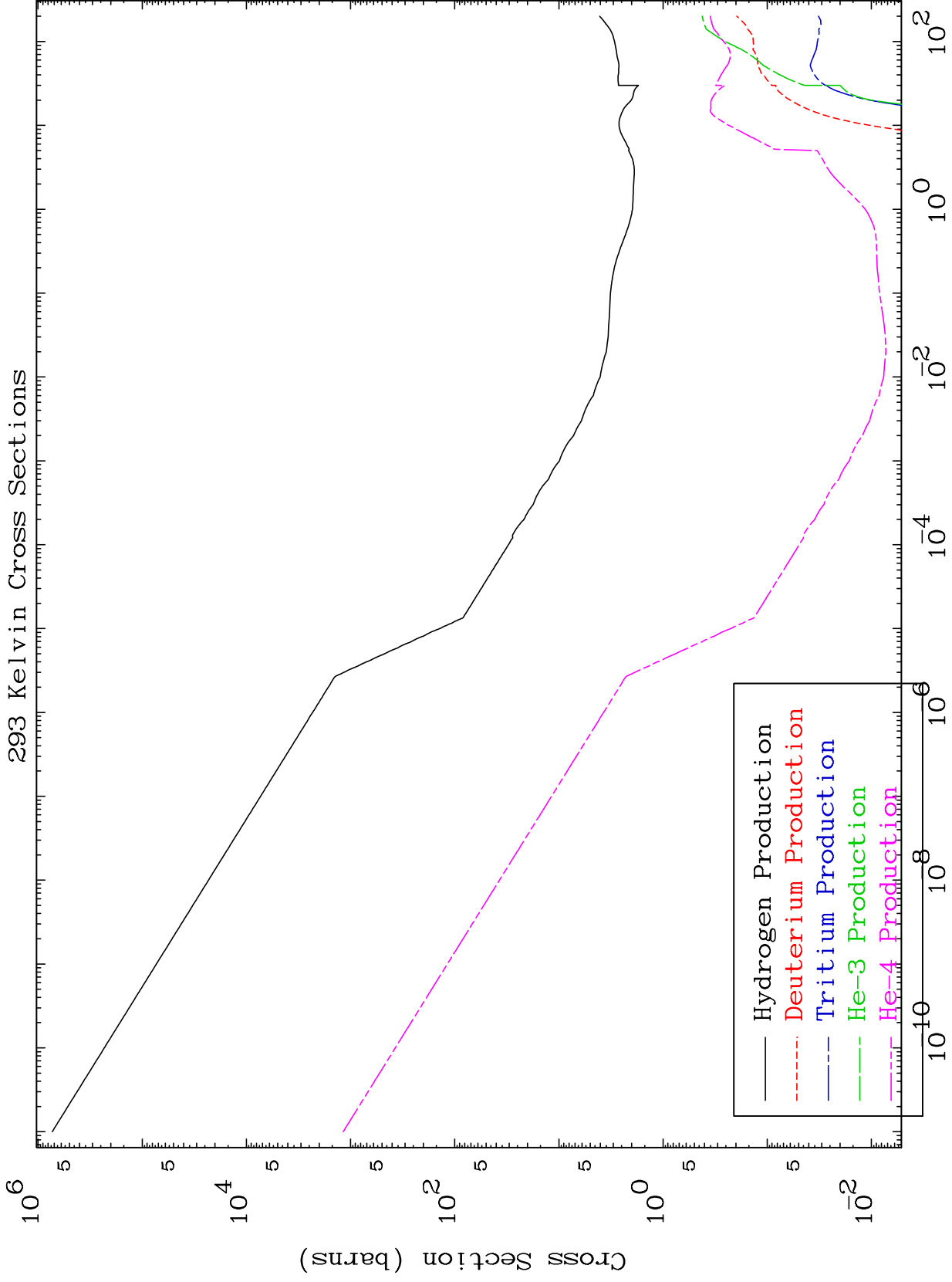
51-Sb-107



MAT 5083

Particle Production
293 Kelvin Cross Sections

51-Sb-107



Incident Energy (MeV)

51-Sb-107

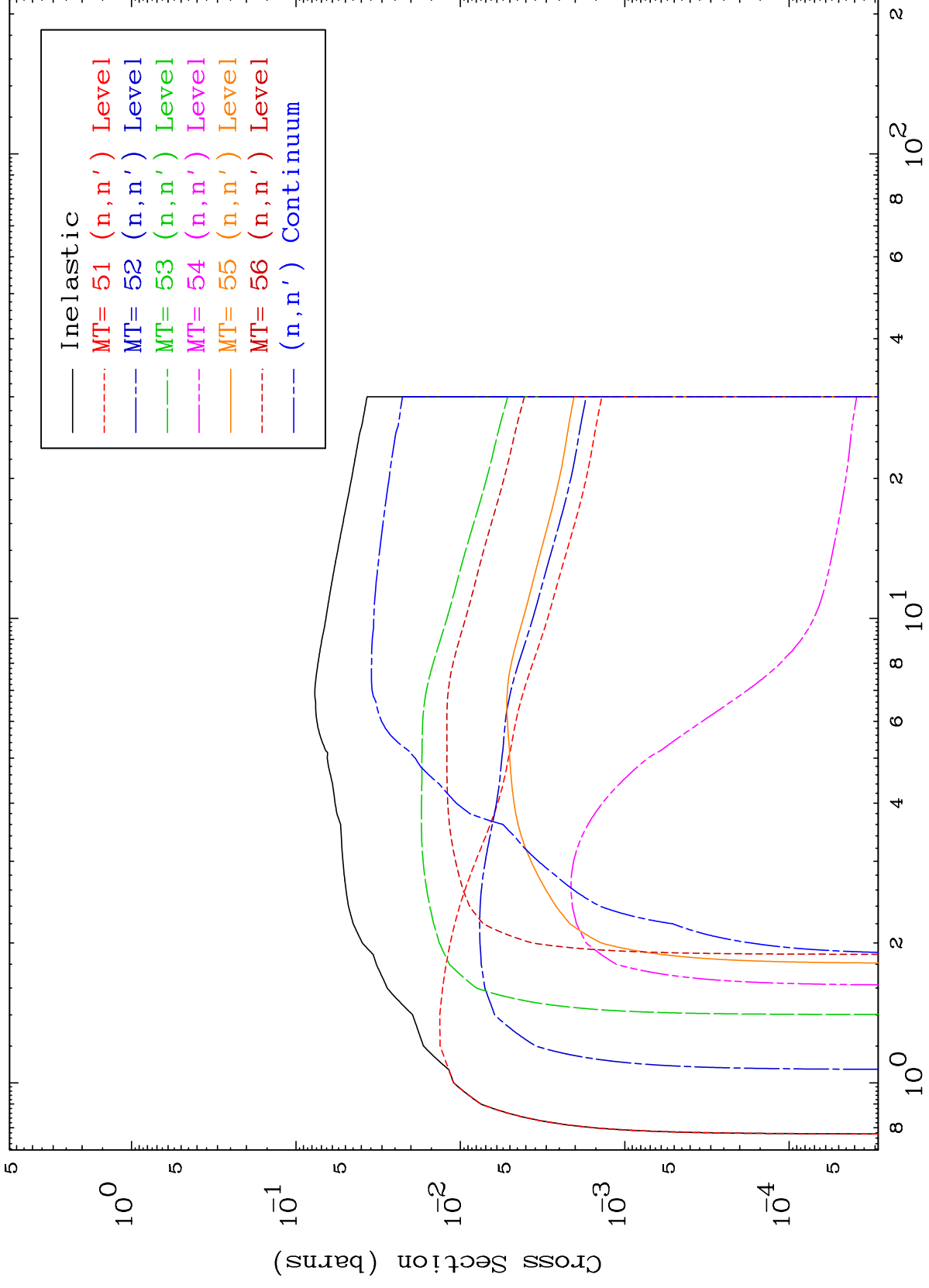
5

MAT 5083

(n,n') Level

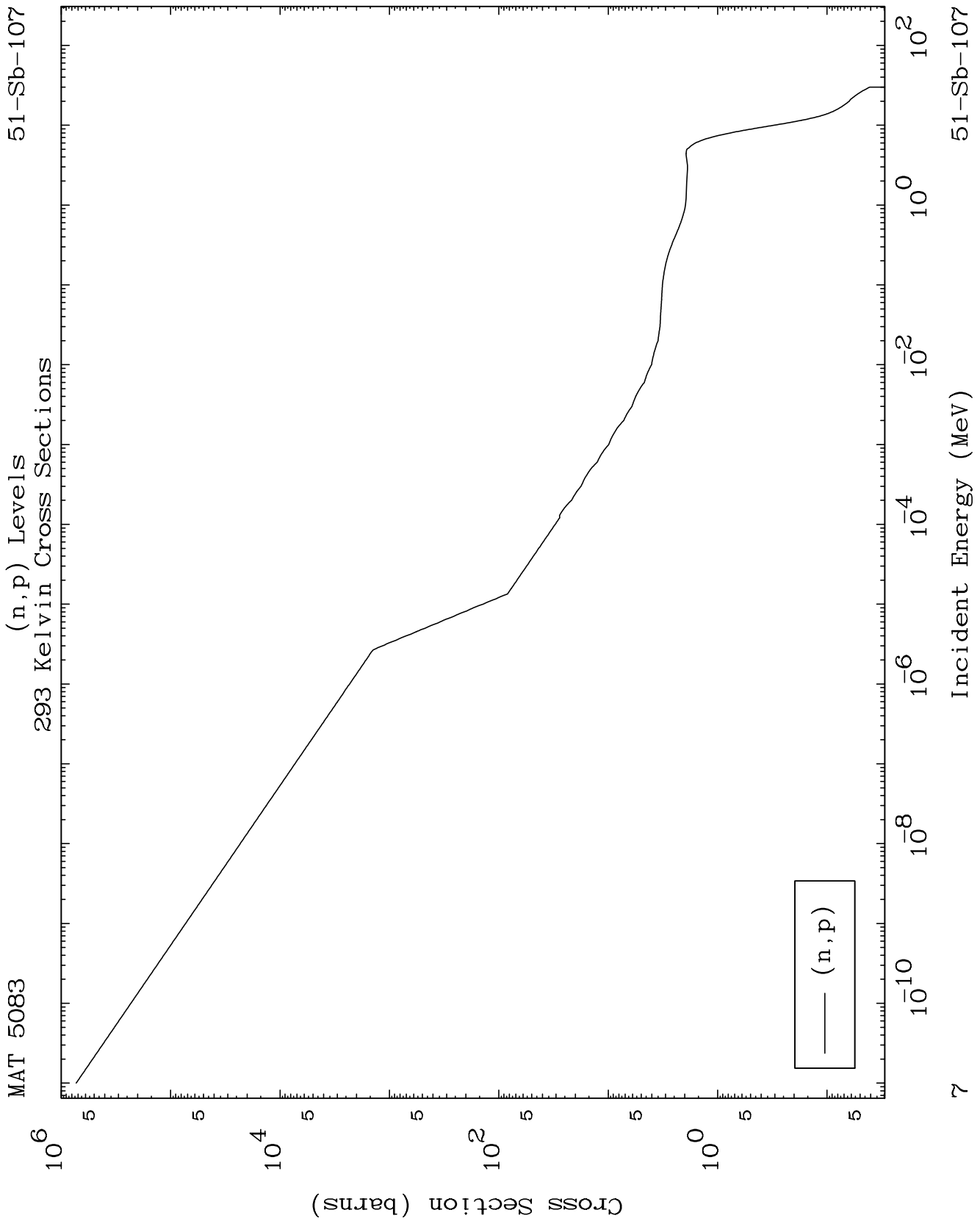
51-Sb-107

293 Kelvin Cross Sections



Incident Energy (MeV)

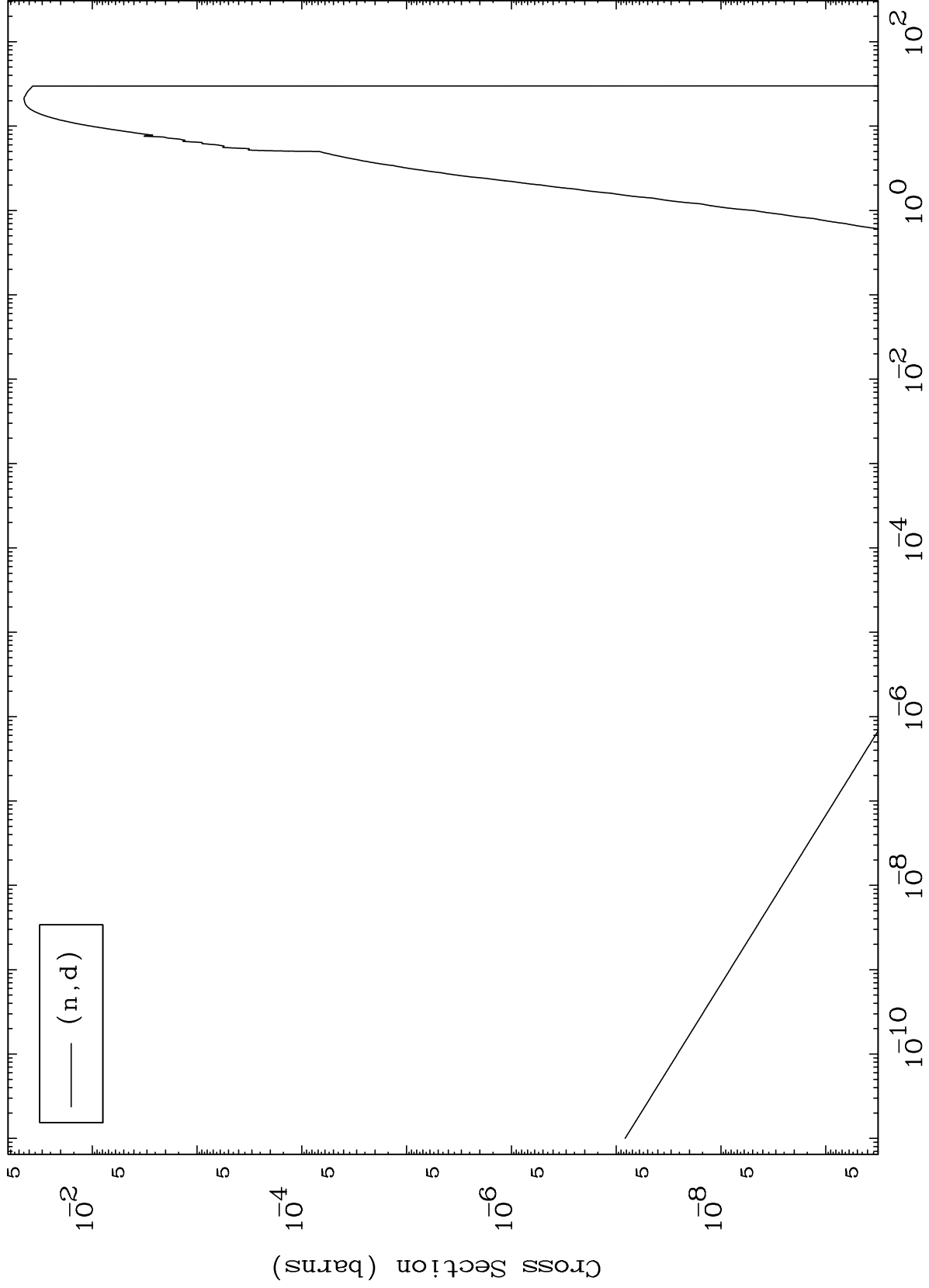
51-Sb-107



MAT 5083

(n,d) Levels
293 Kelvin Cross Sections

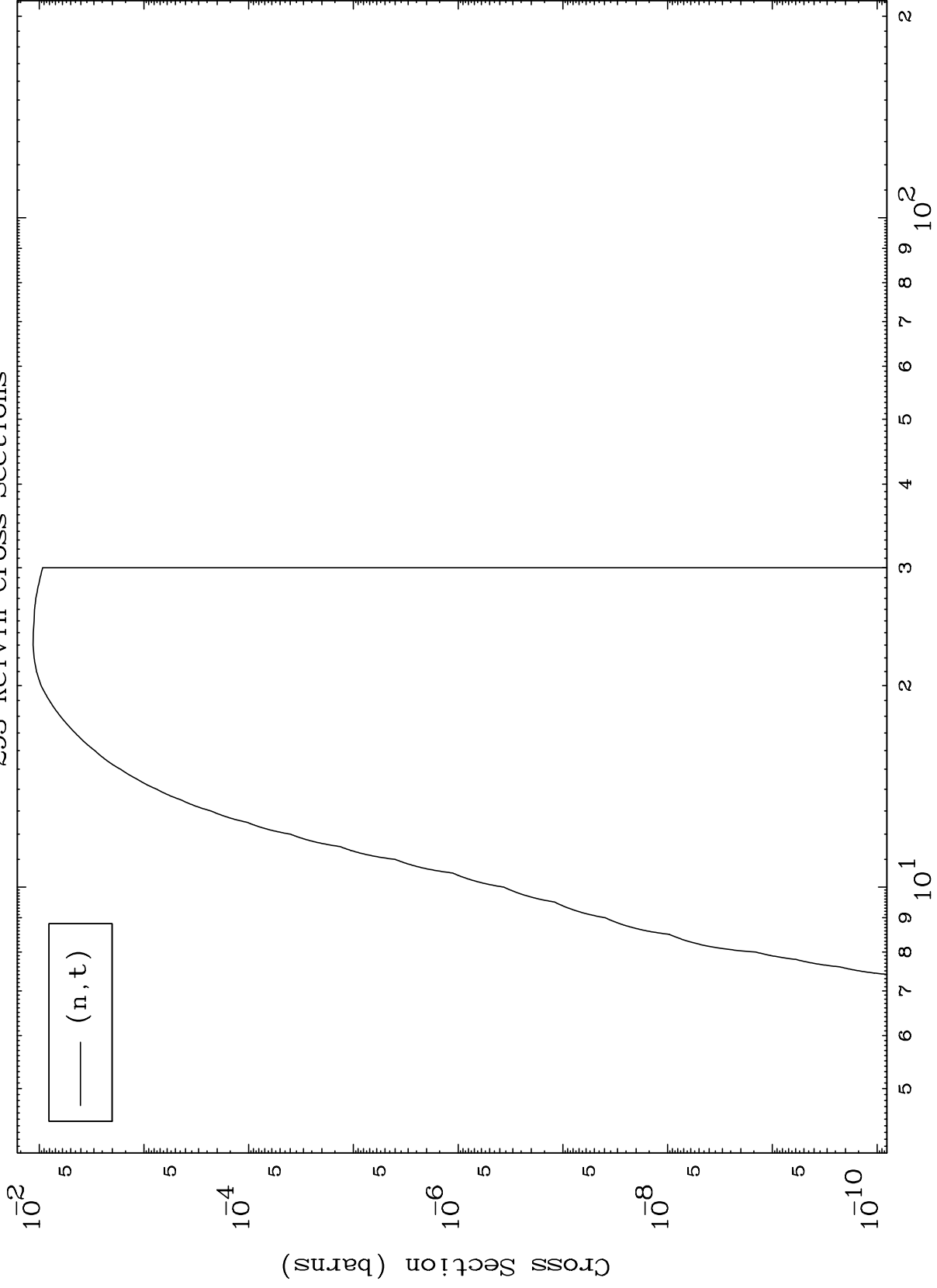
51-Sb-107



MAT 5083

(n,t) Levels
293 Kelvin Cross Sections

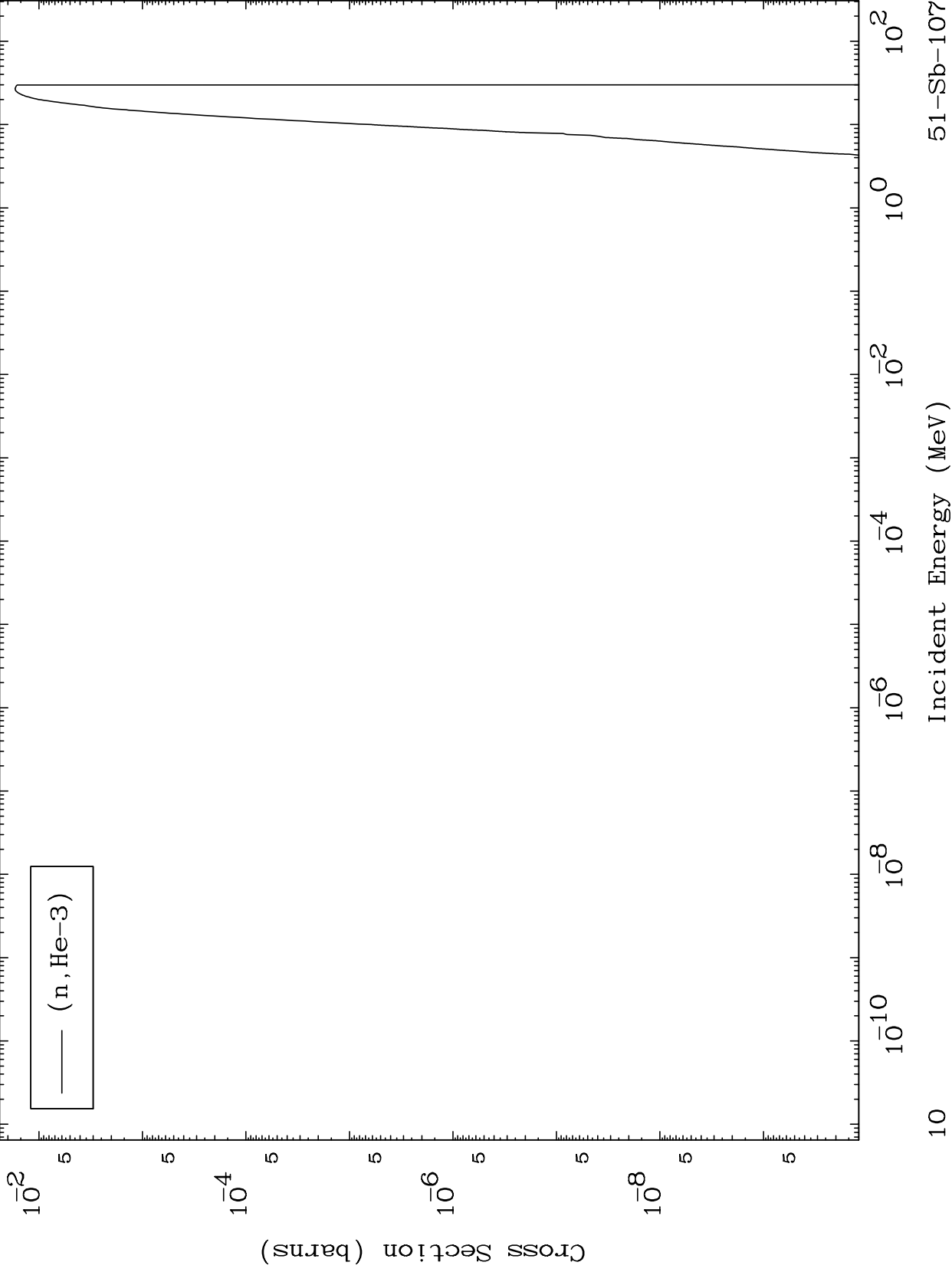
51-Sb-107



MAT 5083

(n,He3) Levels
293 Kelvin Cross Sections

51-Sb-107



10

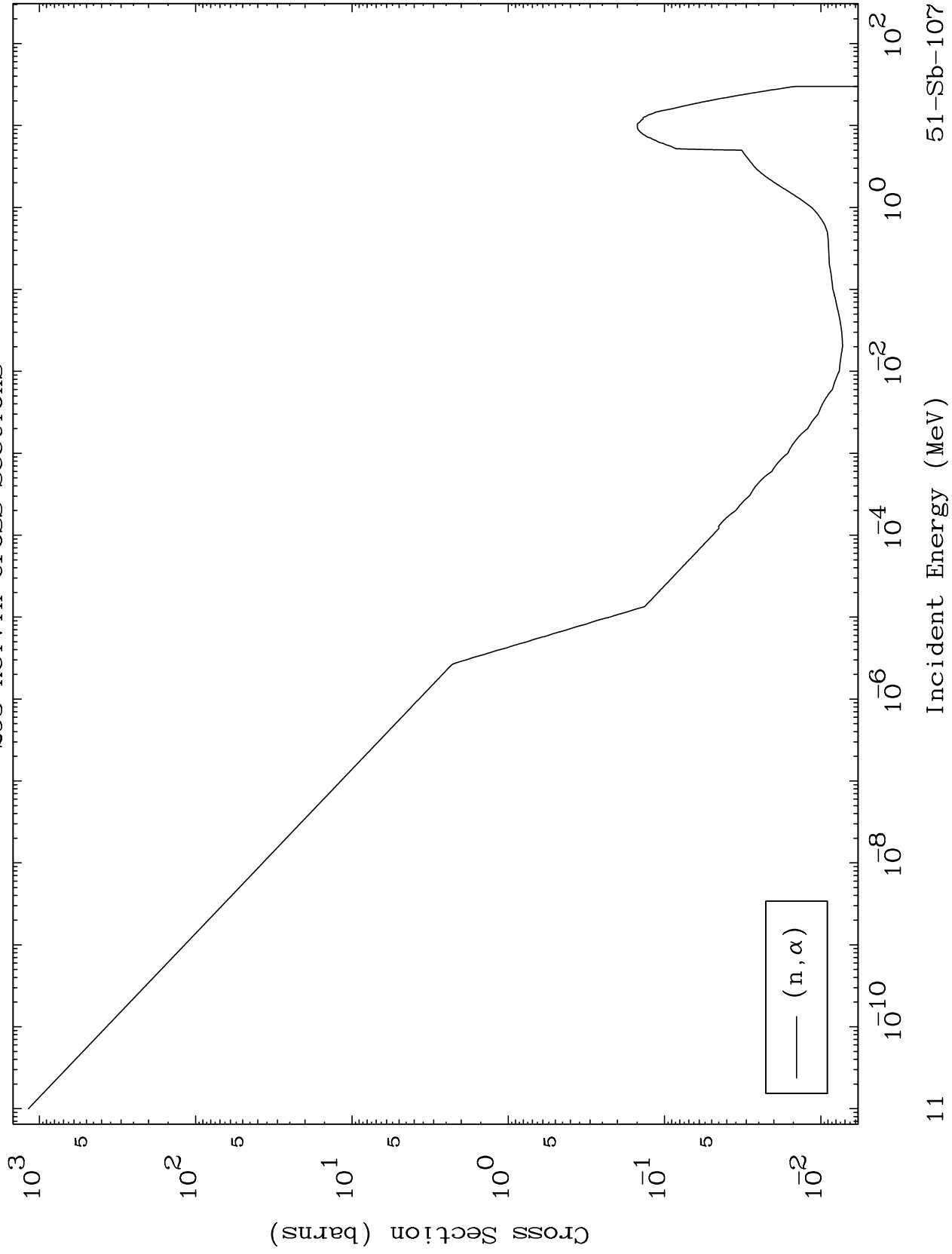
Incident Energy (MeV)

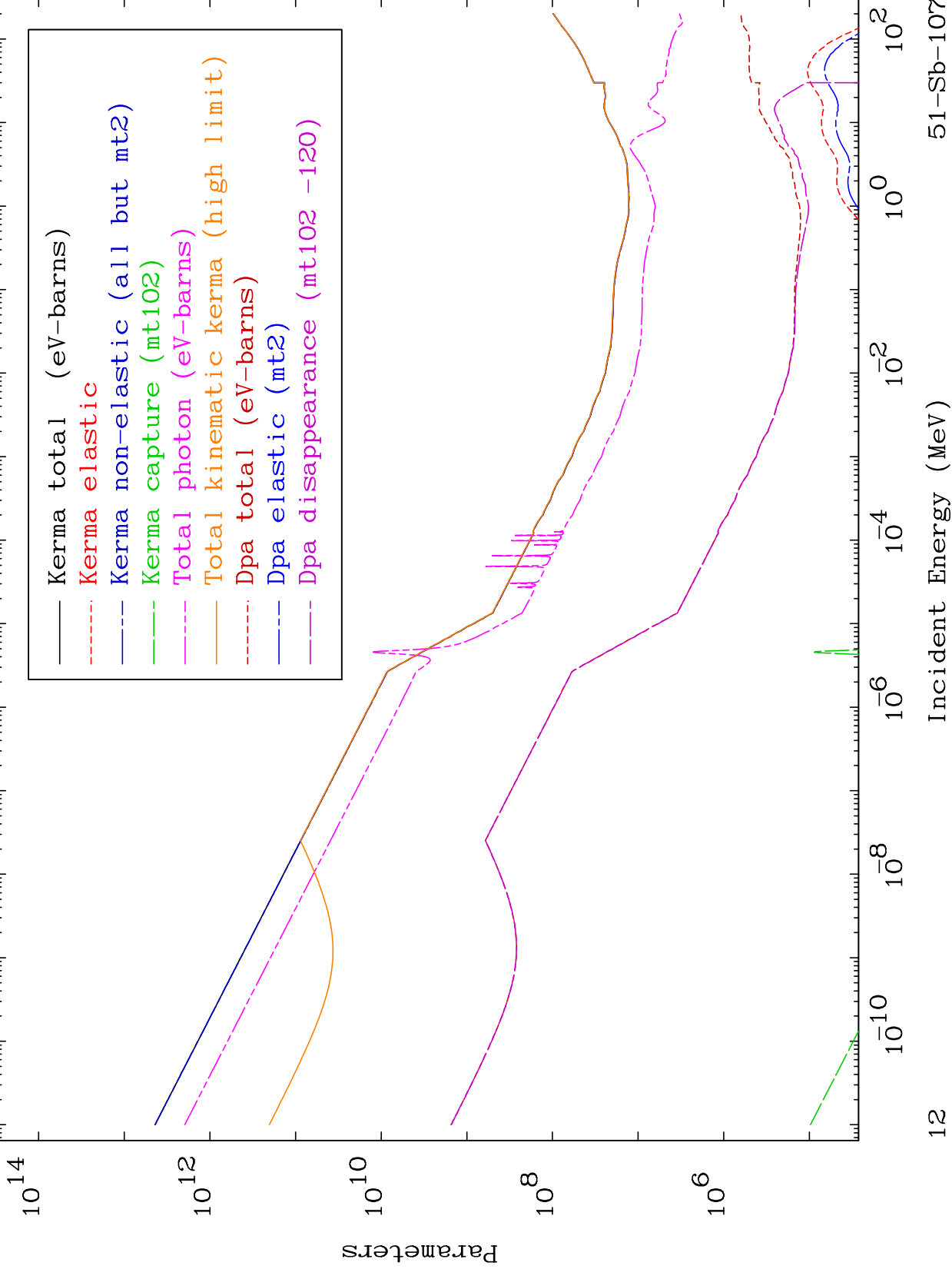
51-Sb-107

MAT 5083

(n,α) Levels
293 Kelvin Cross Sections

51-Sb-107

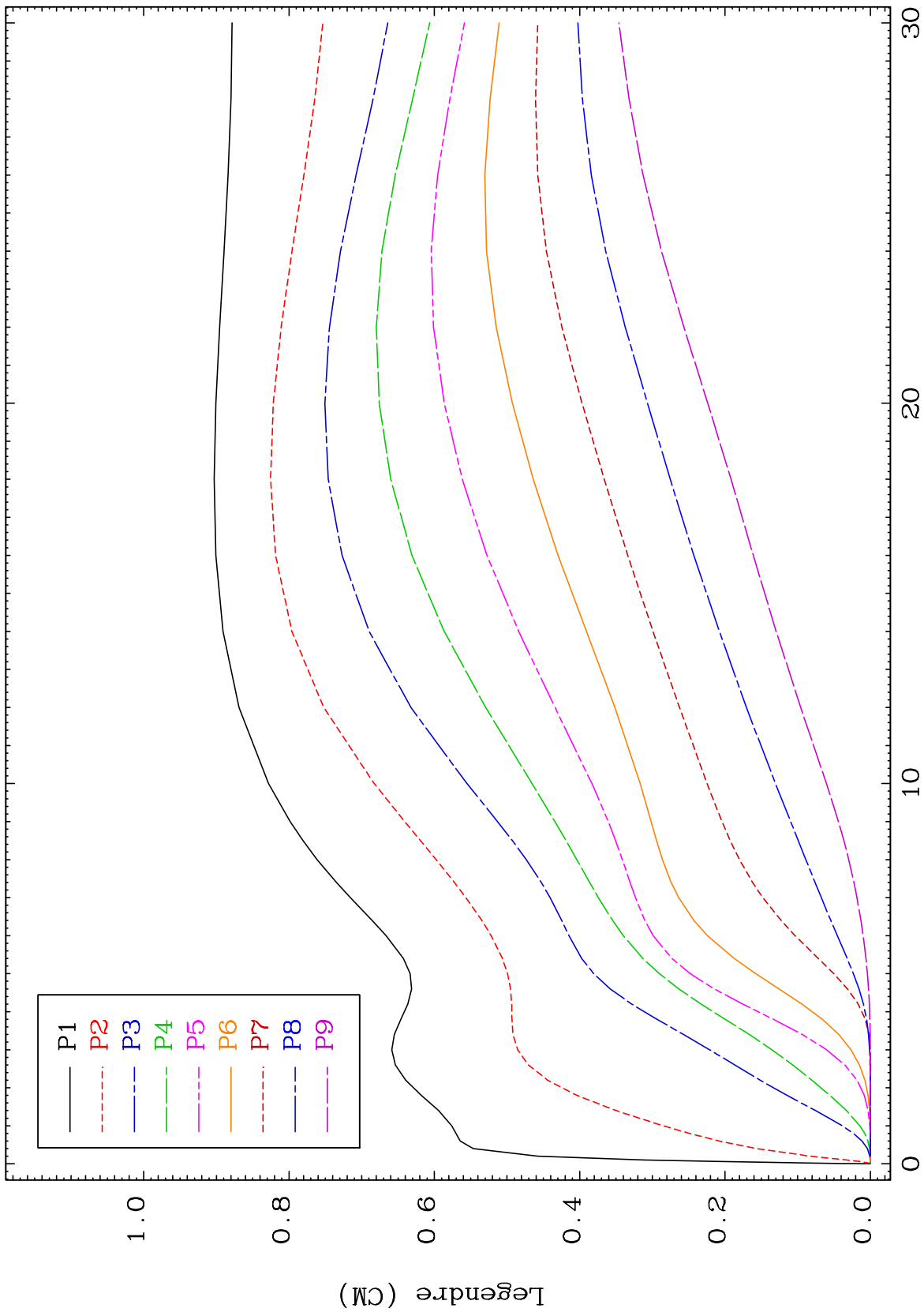




MAT 5083

Elastic Legendre Coefficients

51-Sb-107



13

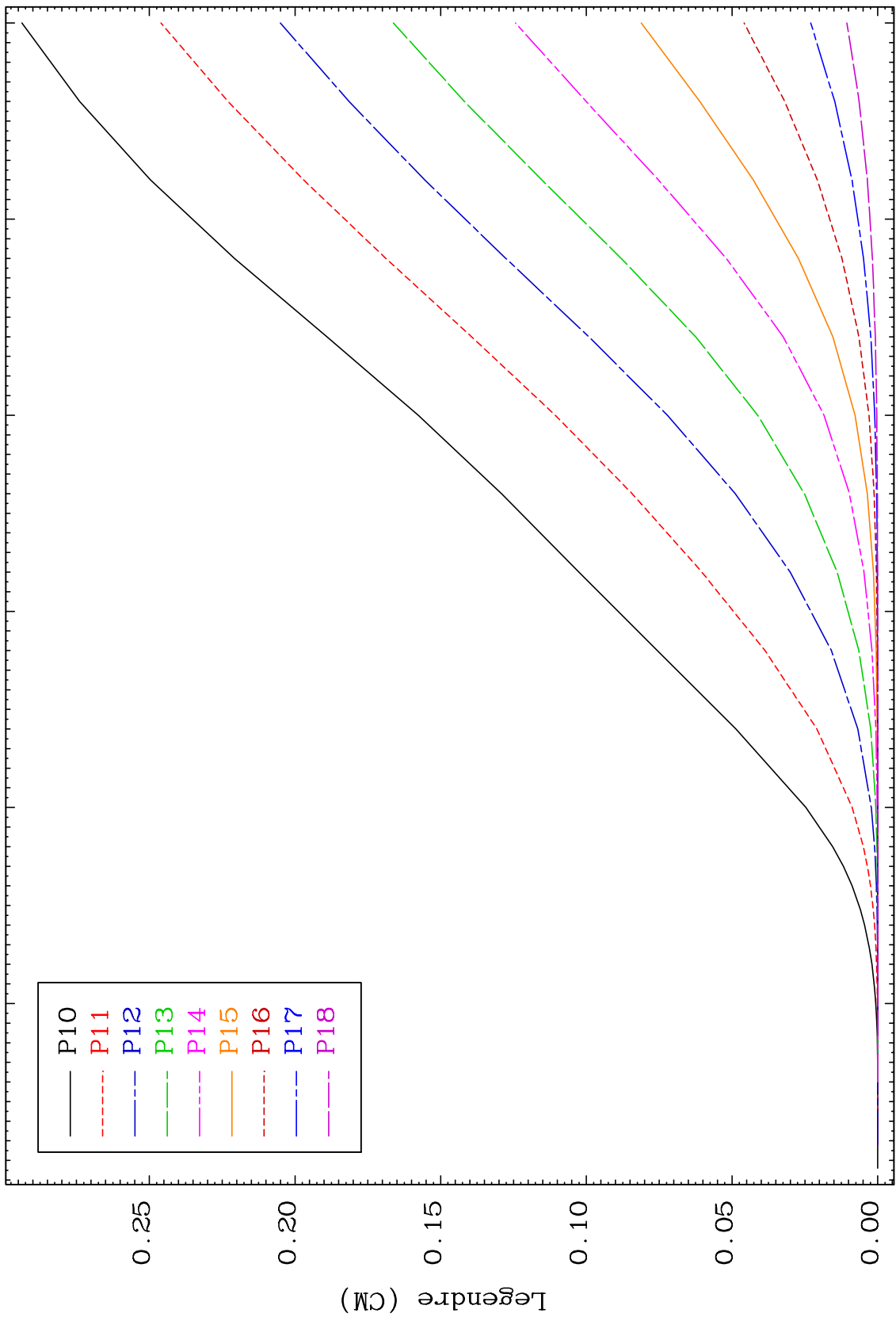
Incident Energy (MeV)

51-Sb-107

MAT 5083

Elastic Legendre Coefficients

51-Sb-107



14

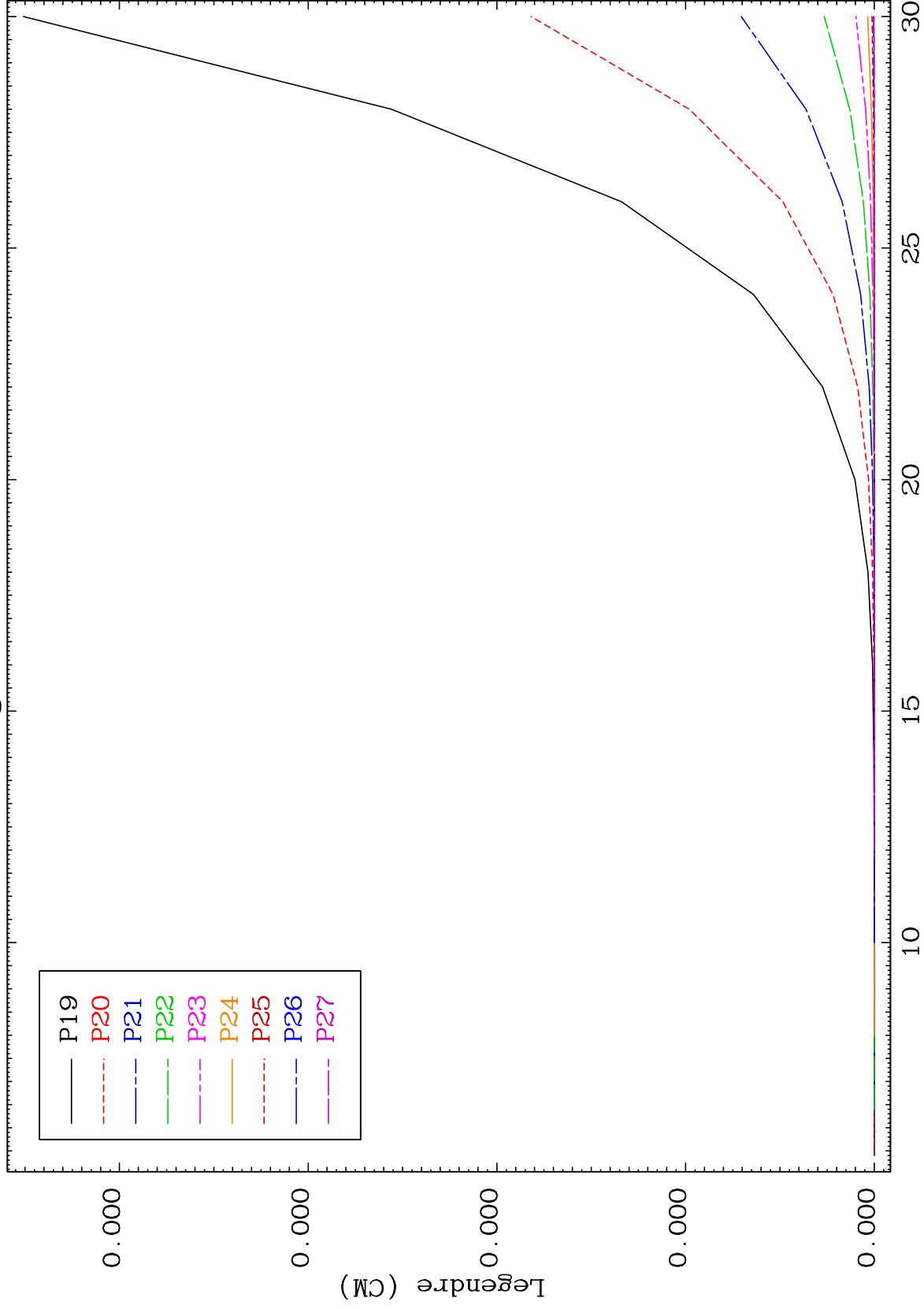
51-Sb-107

Incident Energy (MeV)

MAT 5083

Elastic Legendre Coefficients

51-Sb-107



15

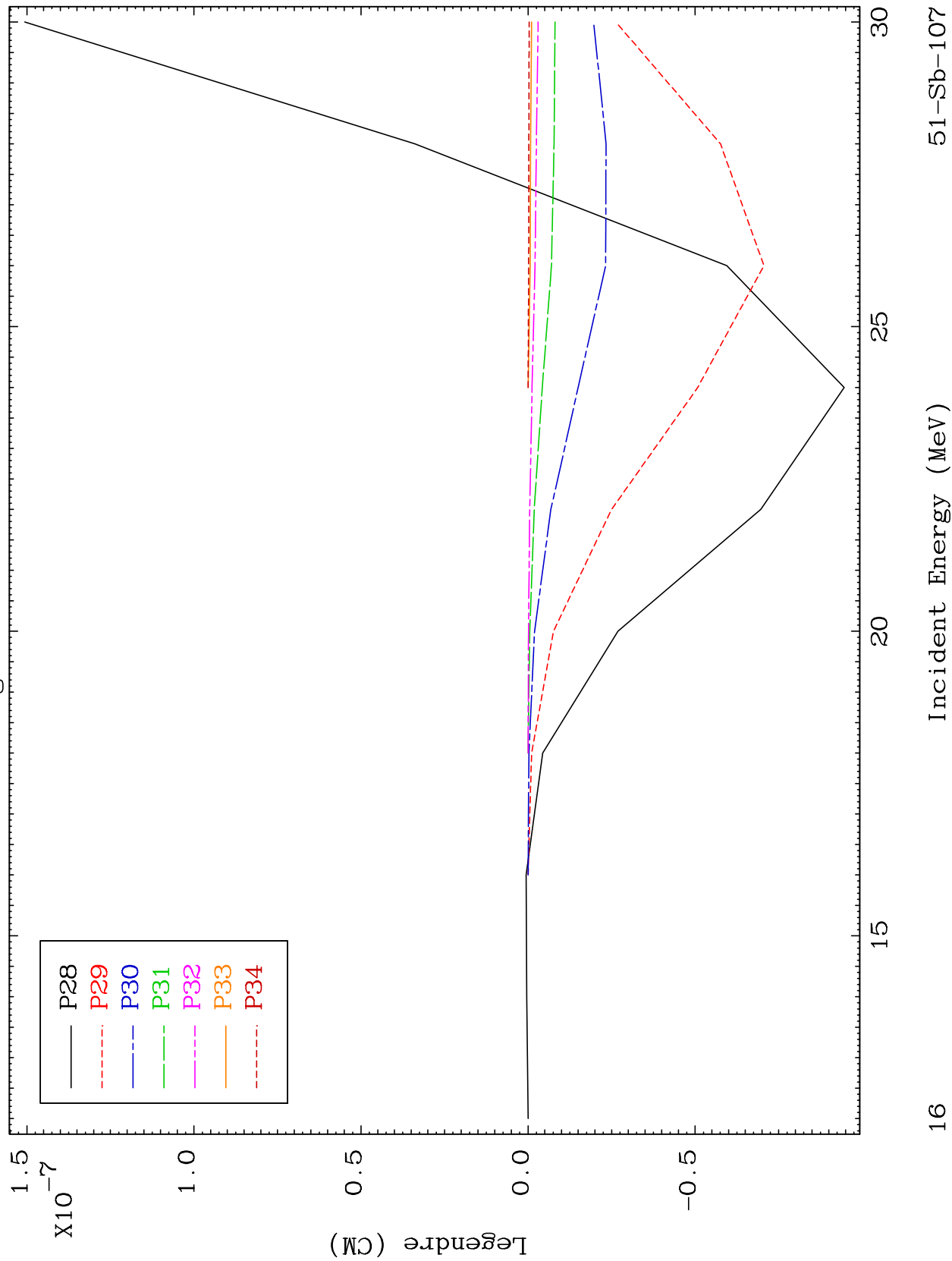
Incident Energy (MeV)

51-Sb-107

MAT 5083

Elastic Legendre Coefficients

51-Sb-107



16

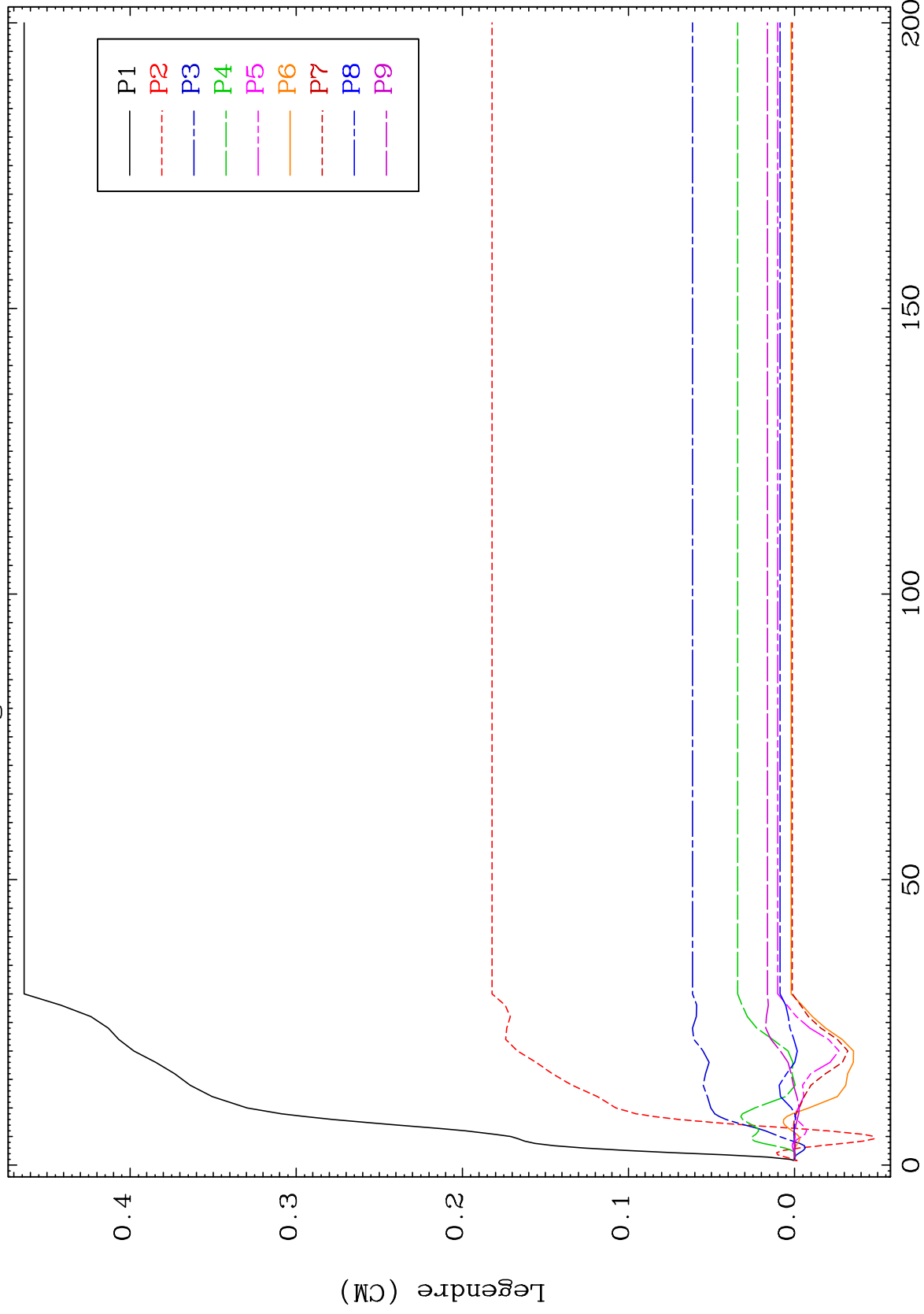
Incident Energy (MeV)

51-Sb-107

MAT 5083

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

51-Sb-107



17

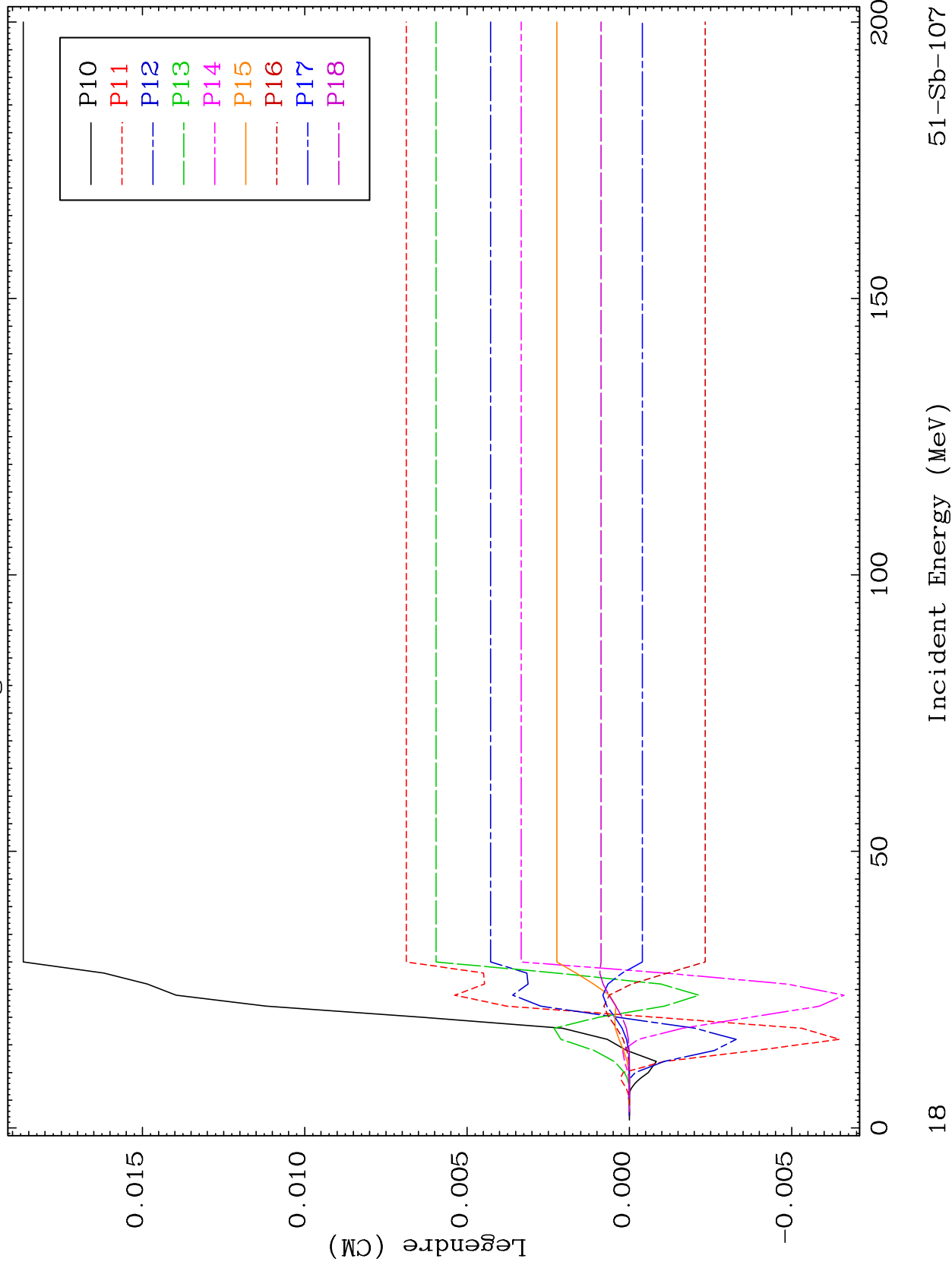
Incident Energy (MeV)

51-Sb-107

MAT 5083

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

51-Sb-107



51-Sb-107

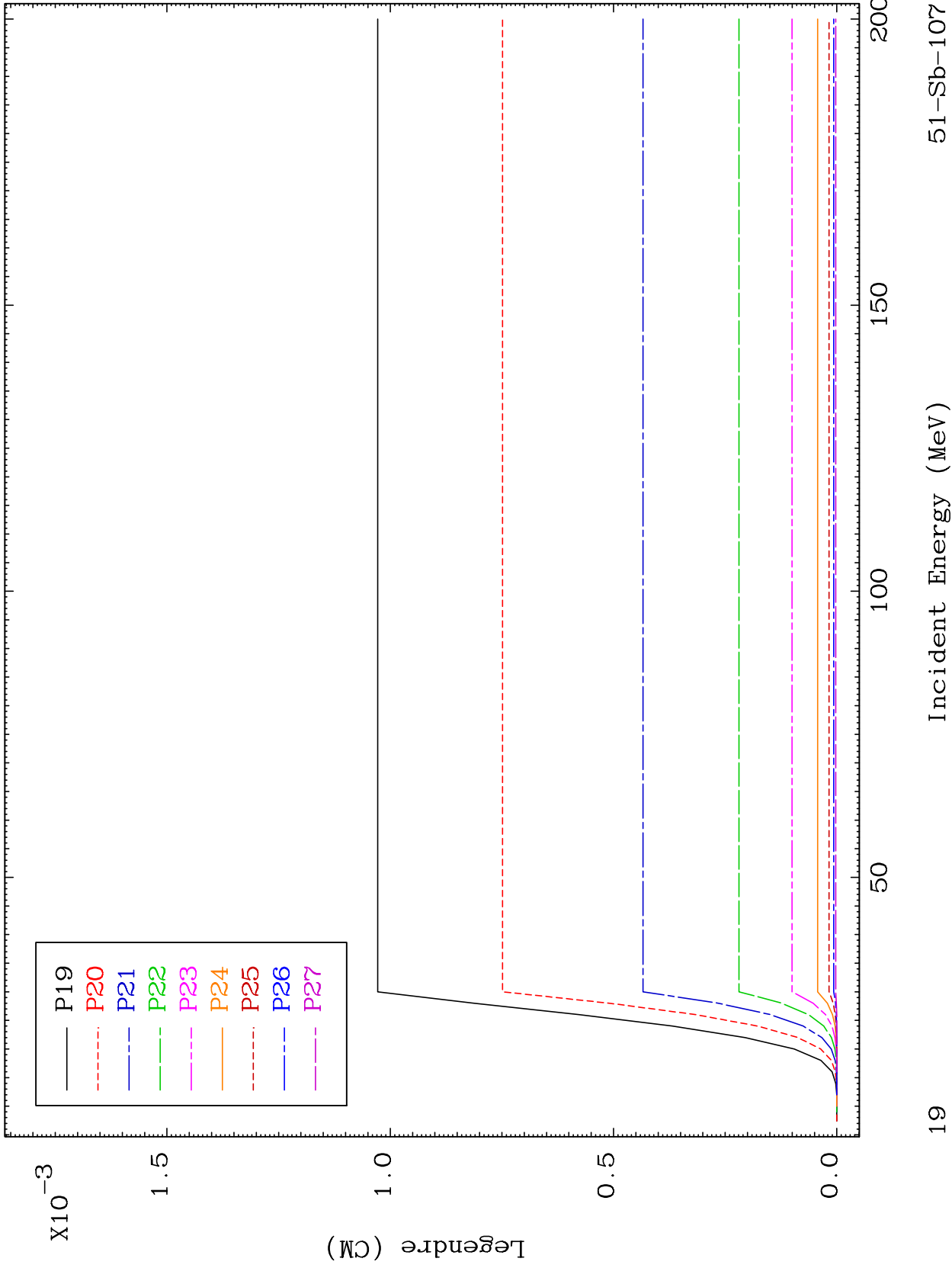
Incident Energy (MeV)

18

MAT 5083

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

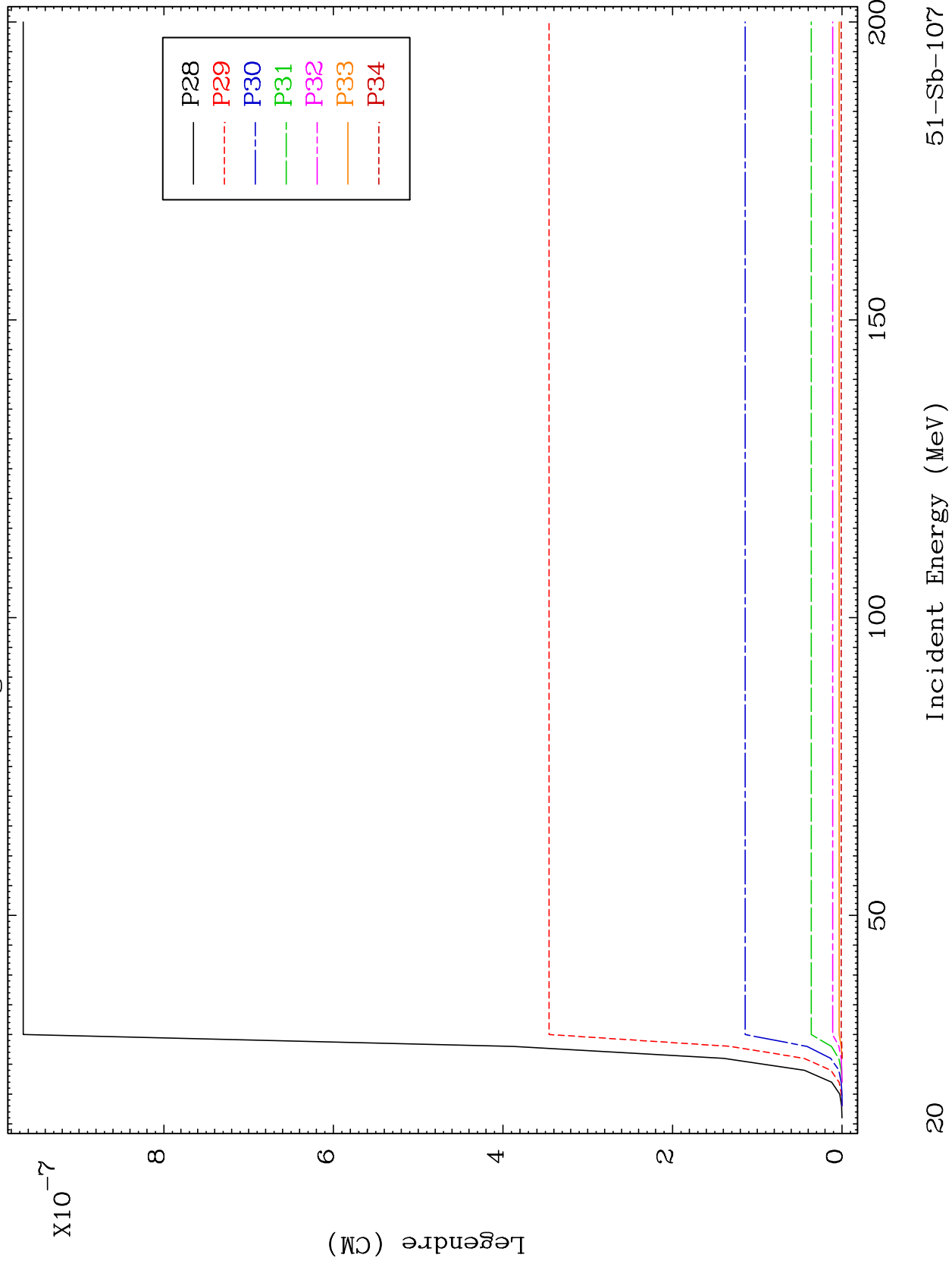
51-Sb-107



MAT 5083

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

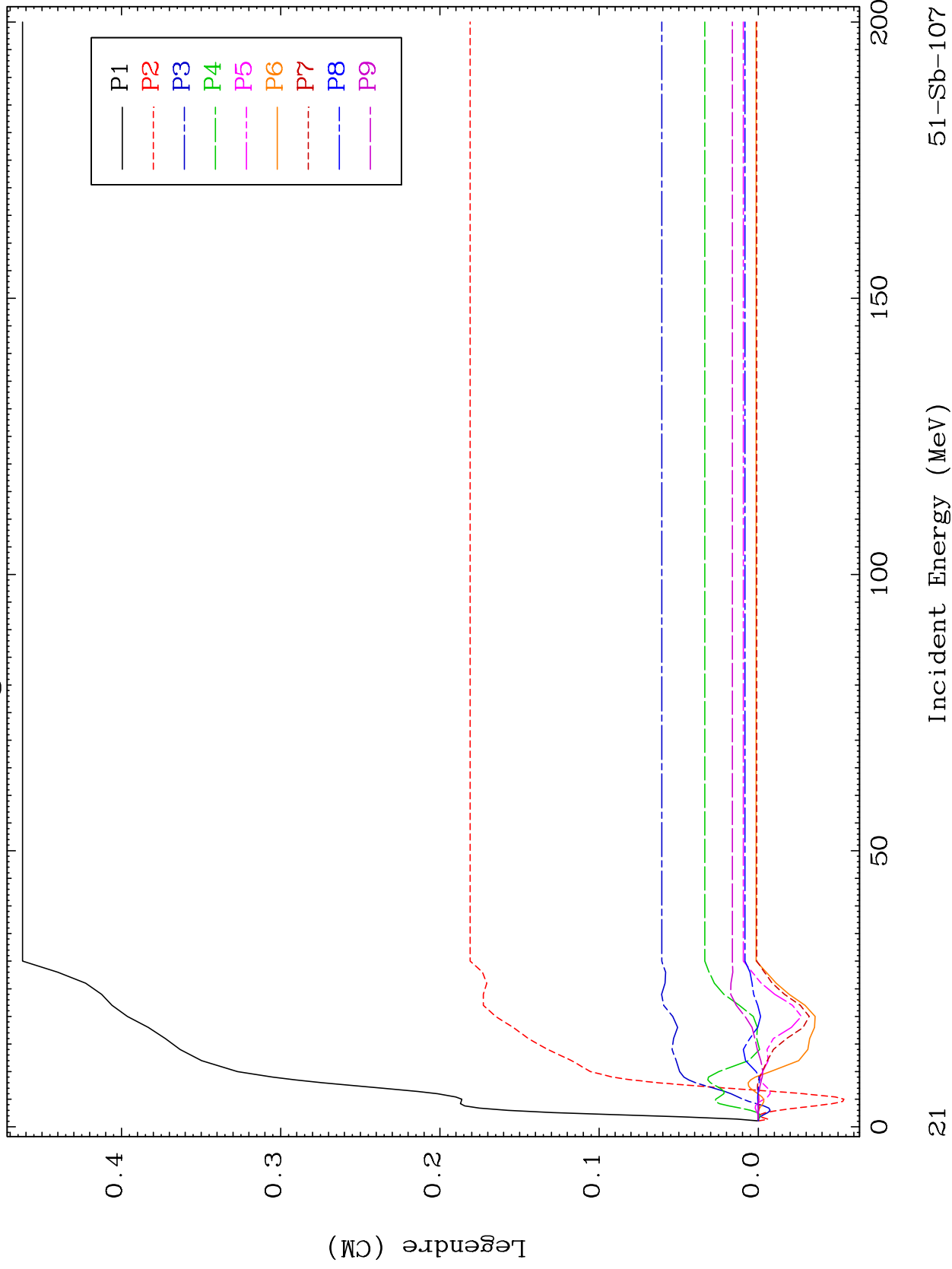
51-Sb-107



MAT 5083

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

51-Sb-107



51-Sb-107

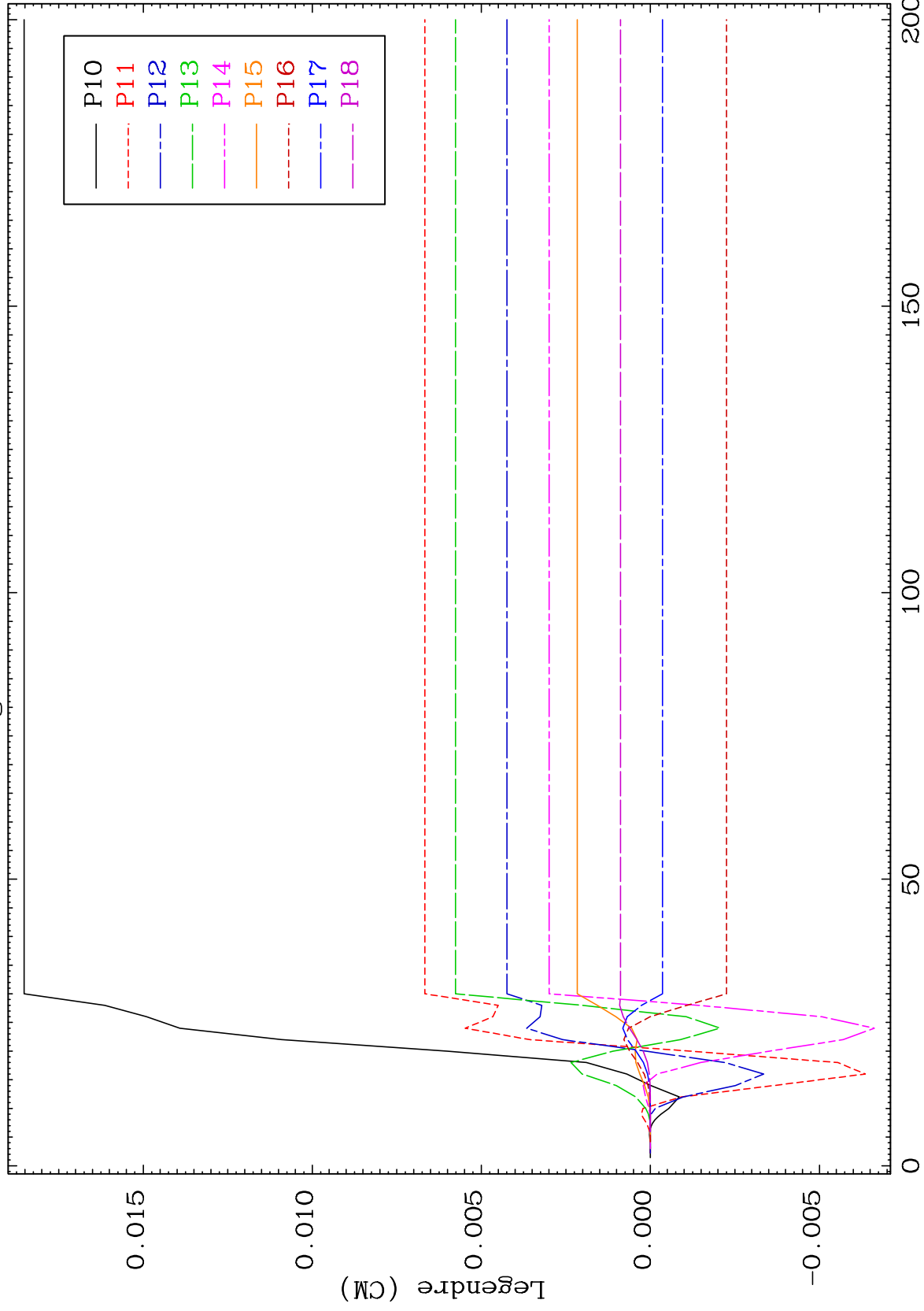
Incident Energy (MeV)

21

MAT 5083

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

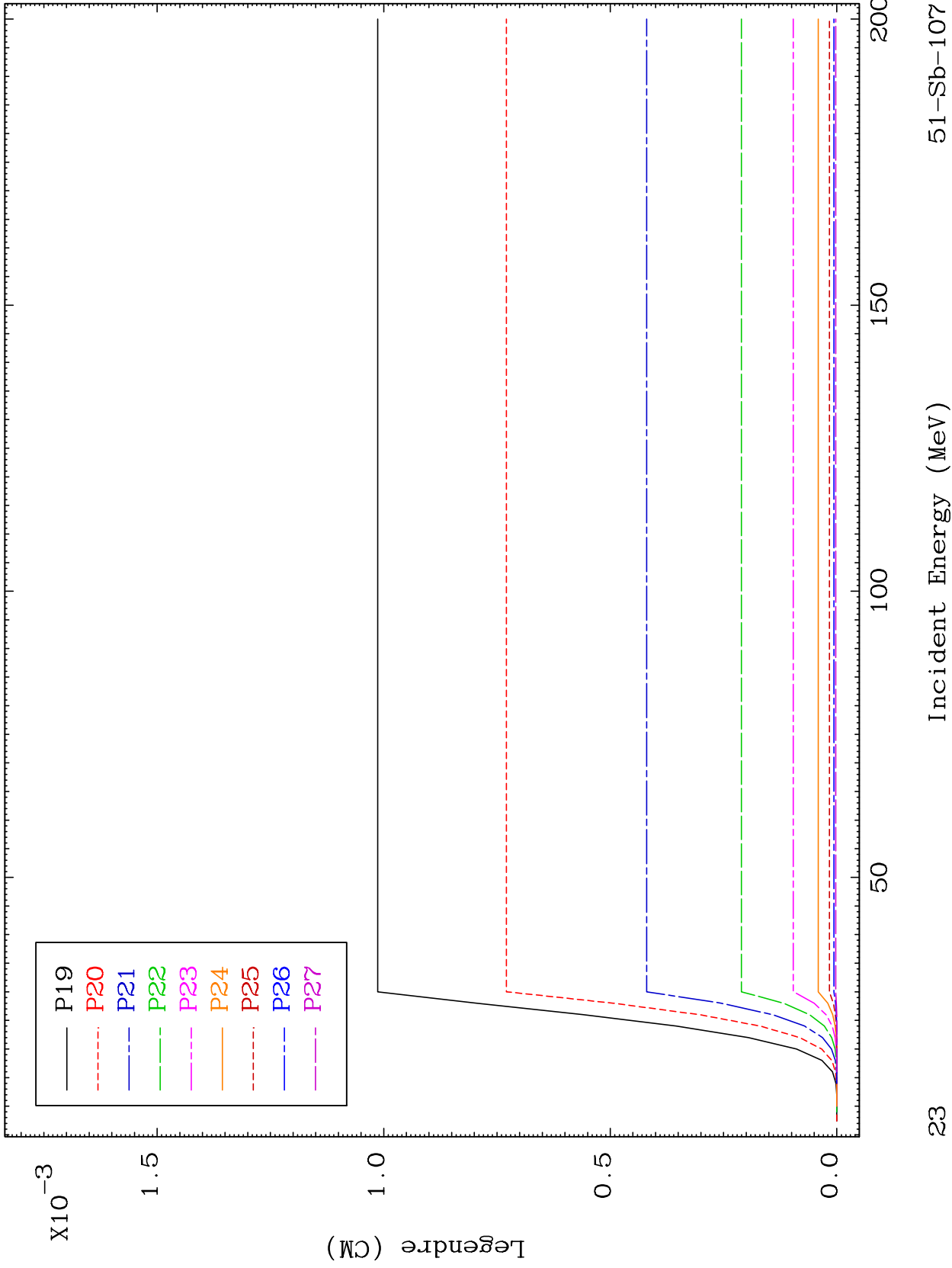
51-Sb-107



22

Incident Energy (MeV)

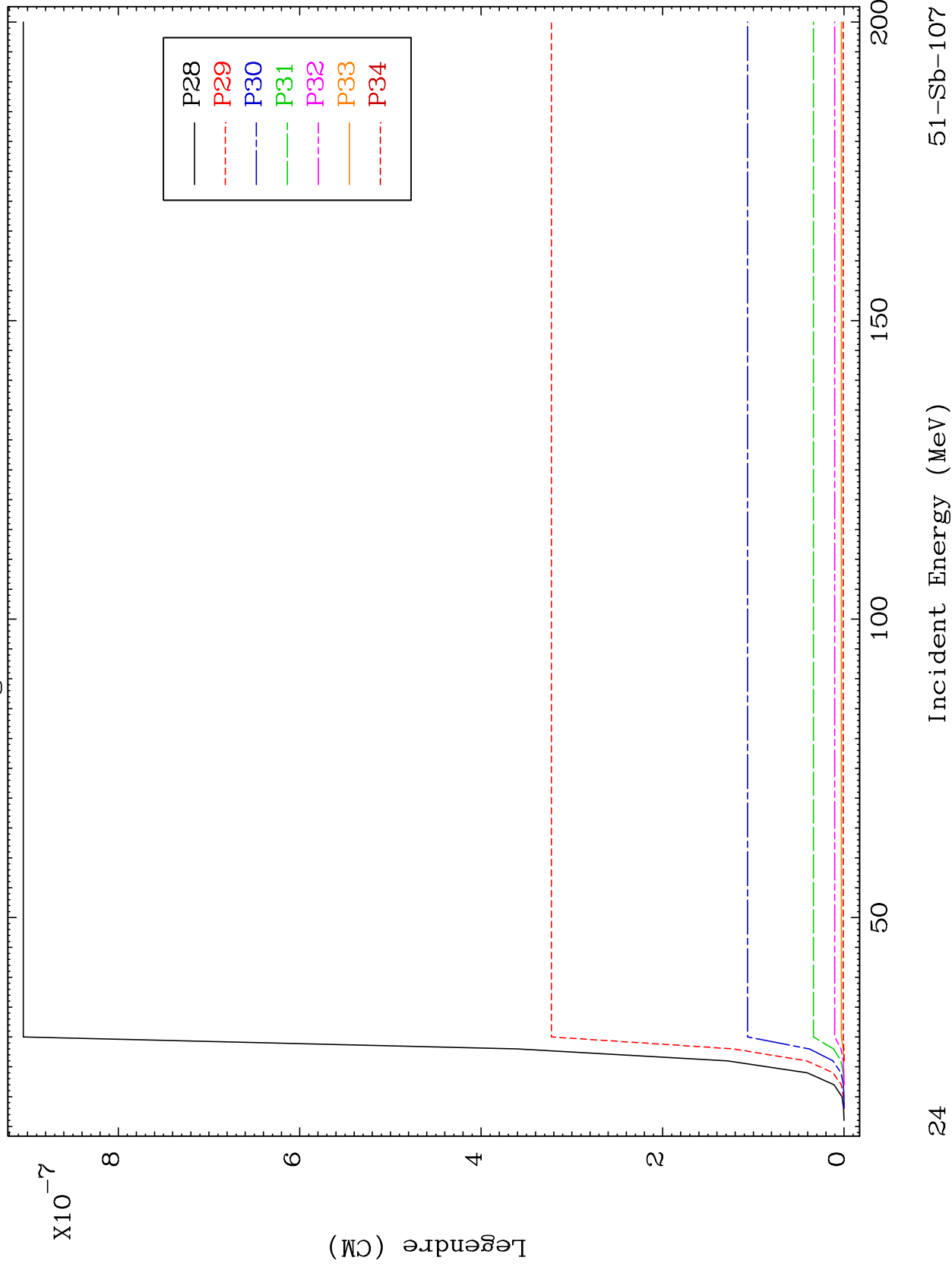
51-Sb-107



MAT 5083

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

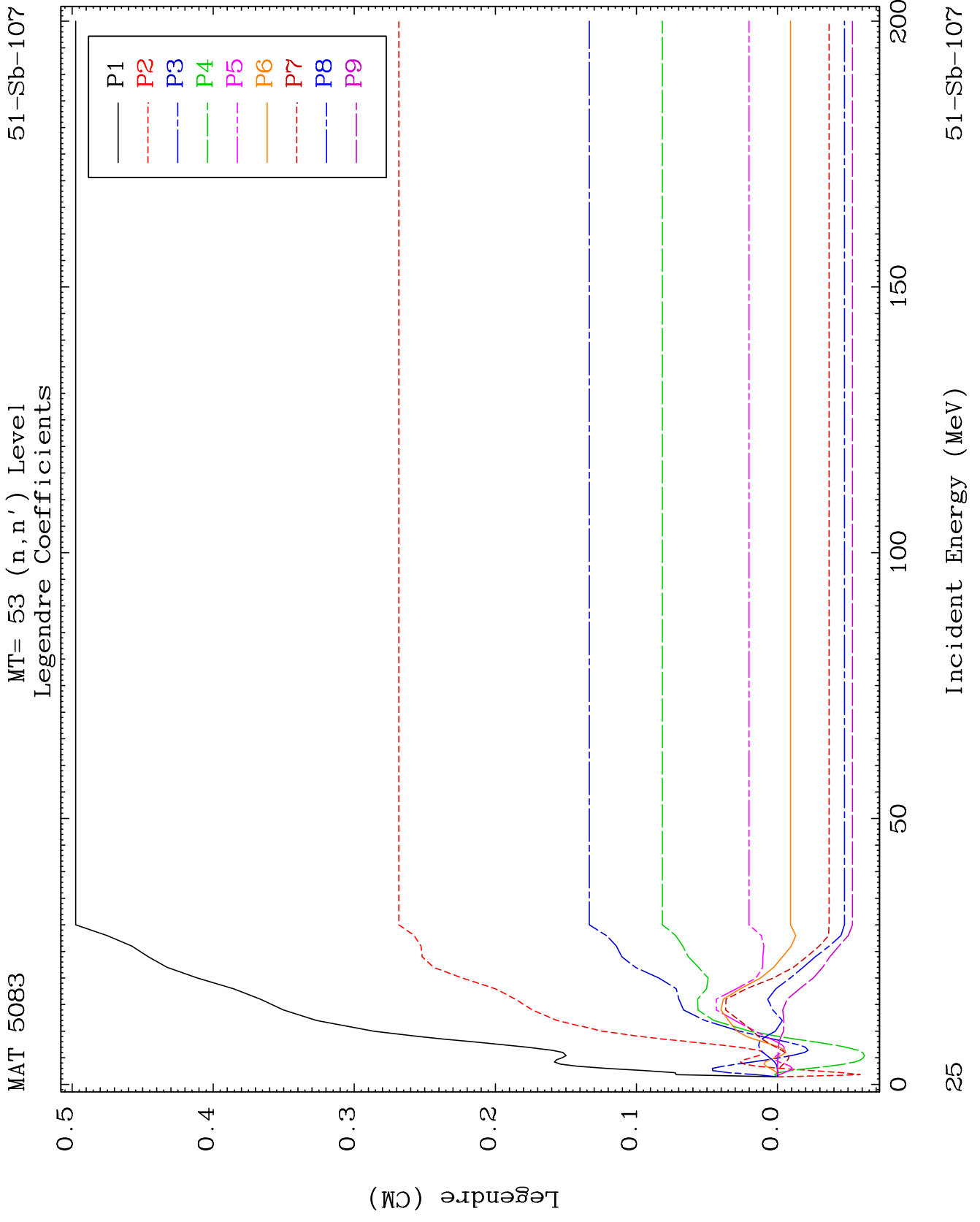
51-Sb-107



24

Incident Energy (MeV)

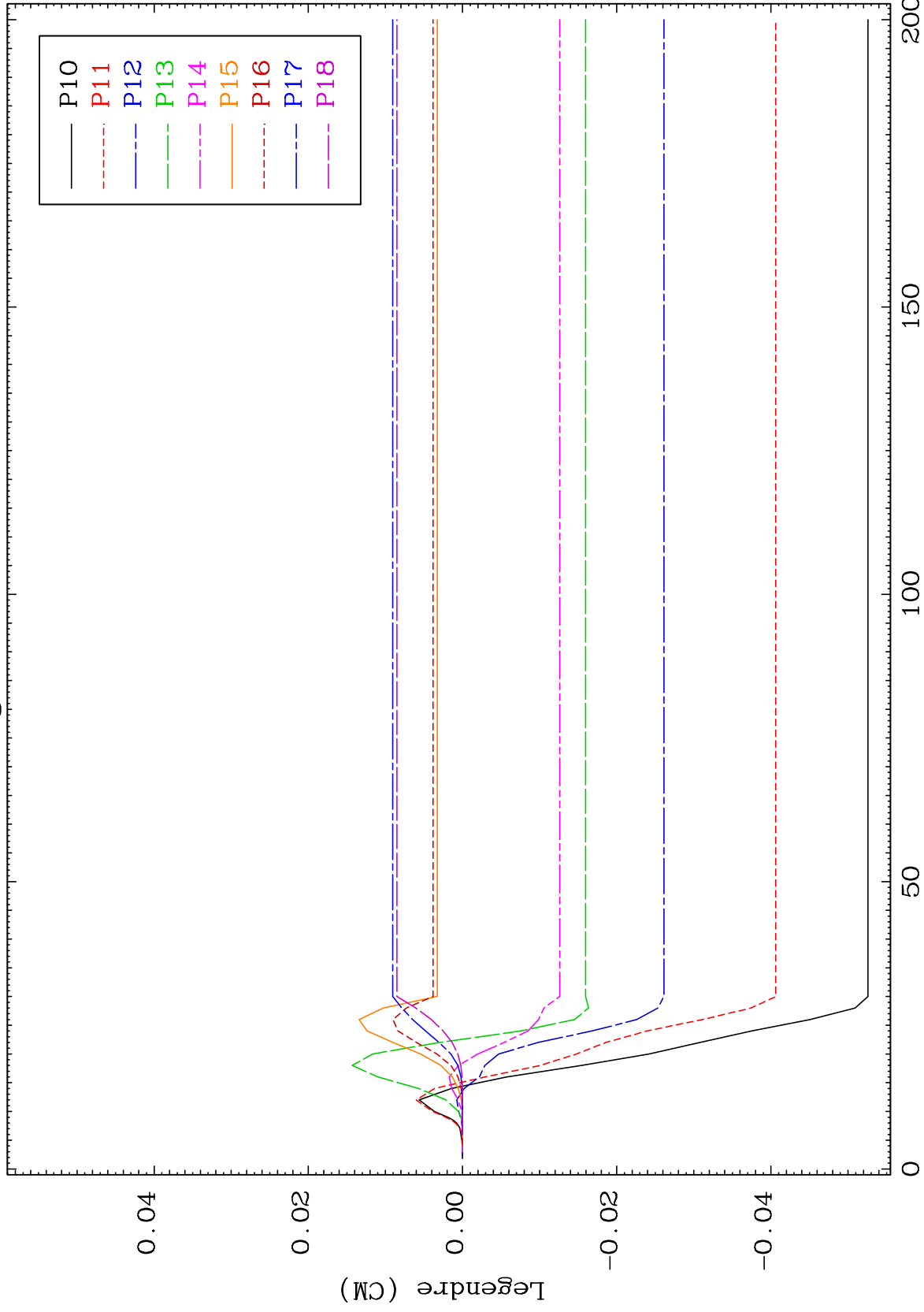
51-Sb-107



MAT 5083

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

51-Sb-107



26

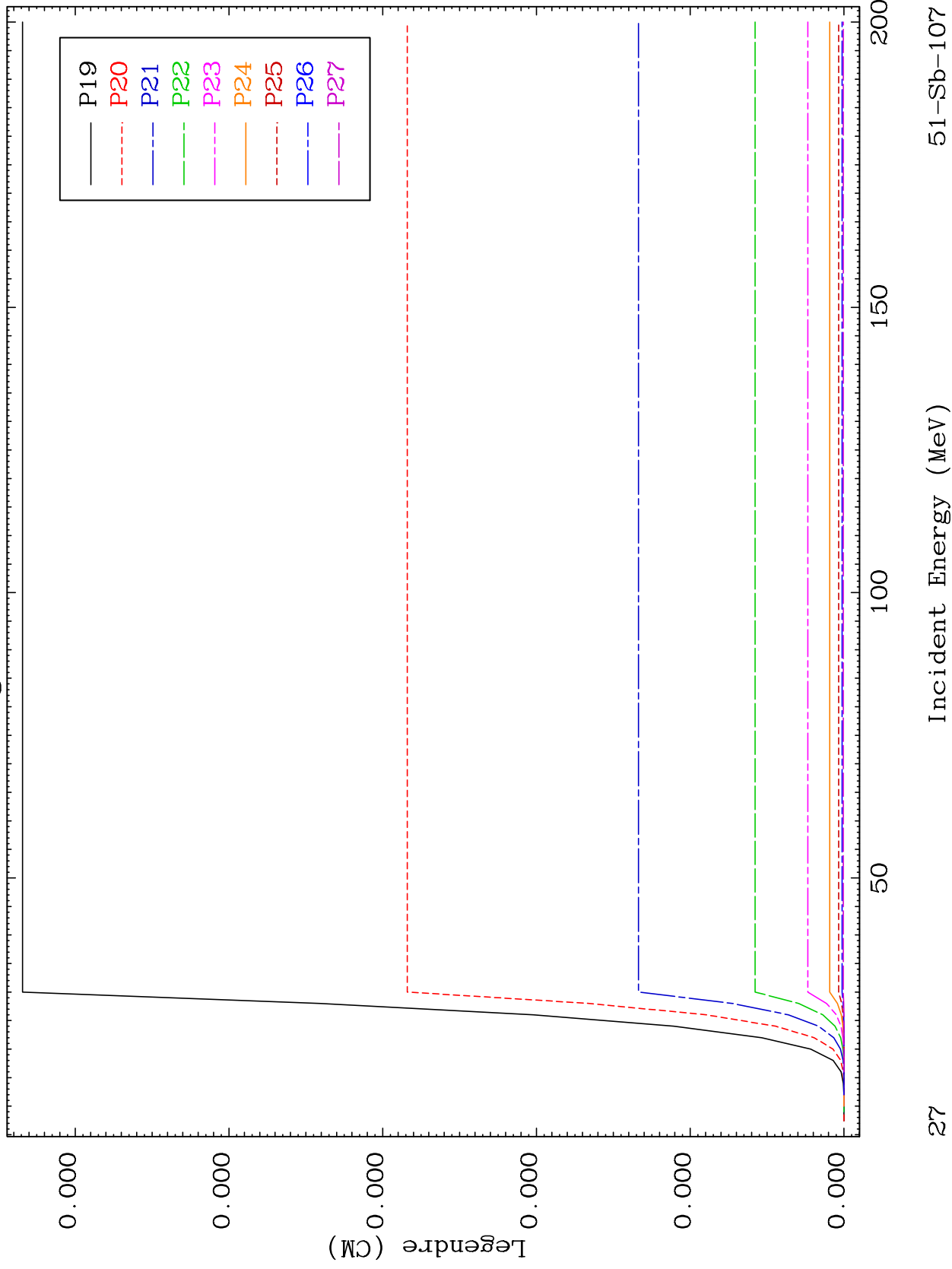
Incident Energy (MeV)

51-Sb-107

MAT 5083

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

51-Sb-107

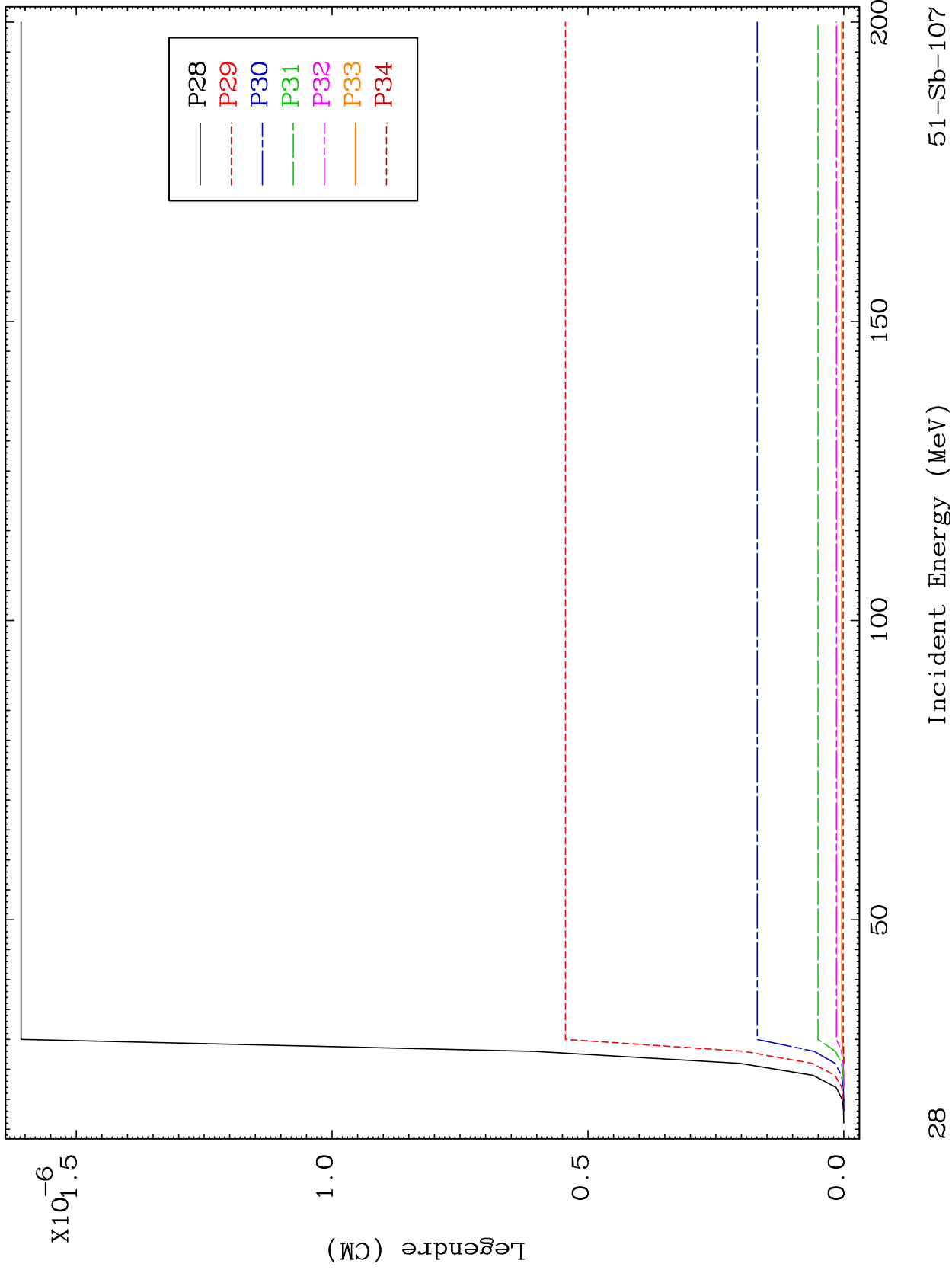


27

MAT 5083

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

51-Sb-107



28

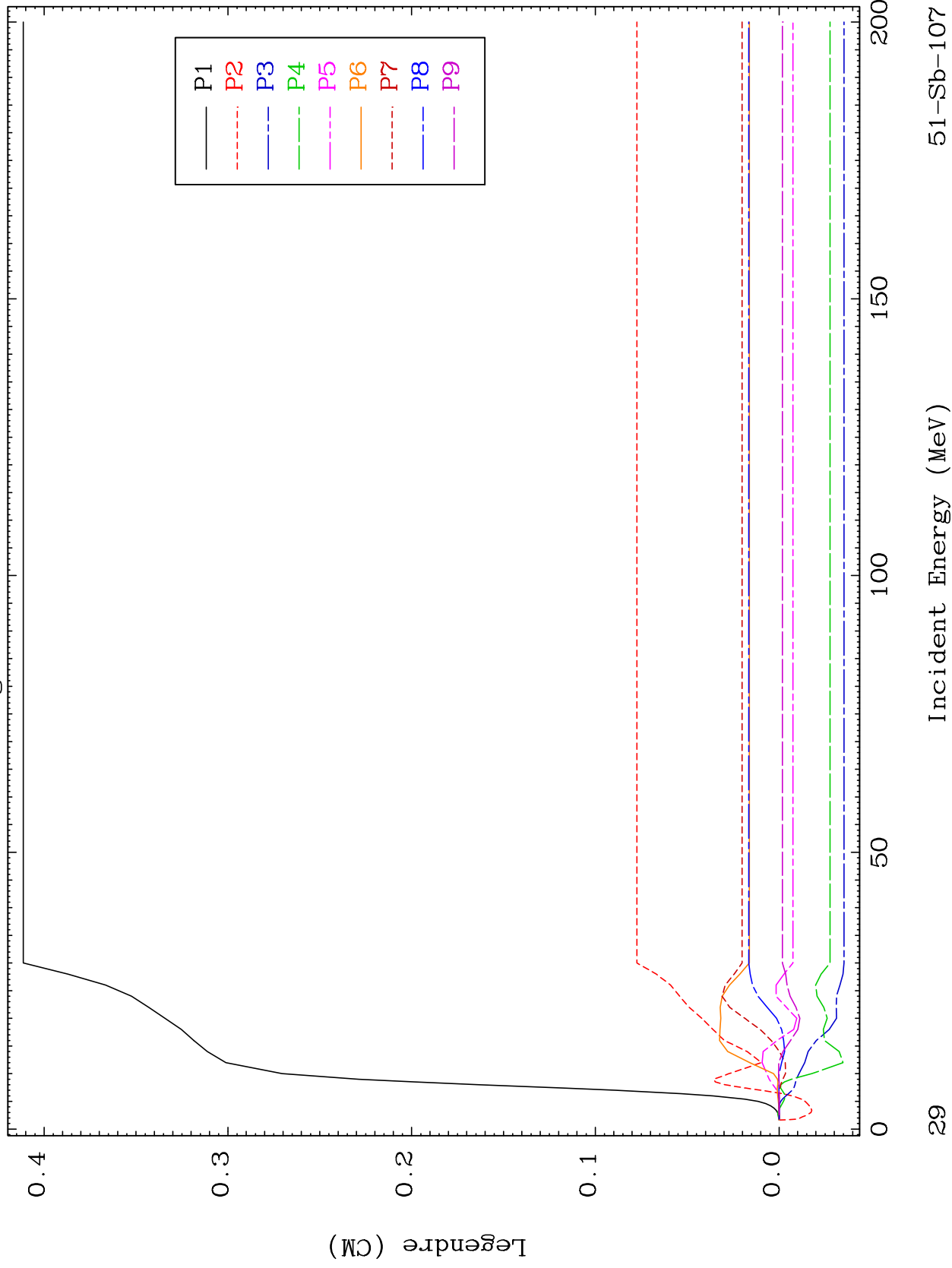
Incident Energy (MeV)

51-Sb-107

MAT 5083

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

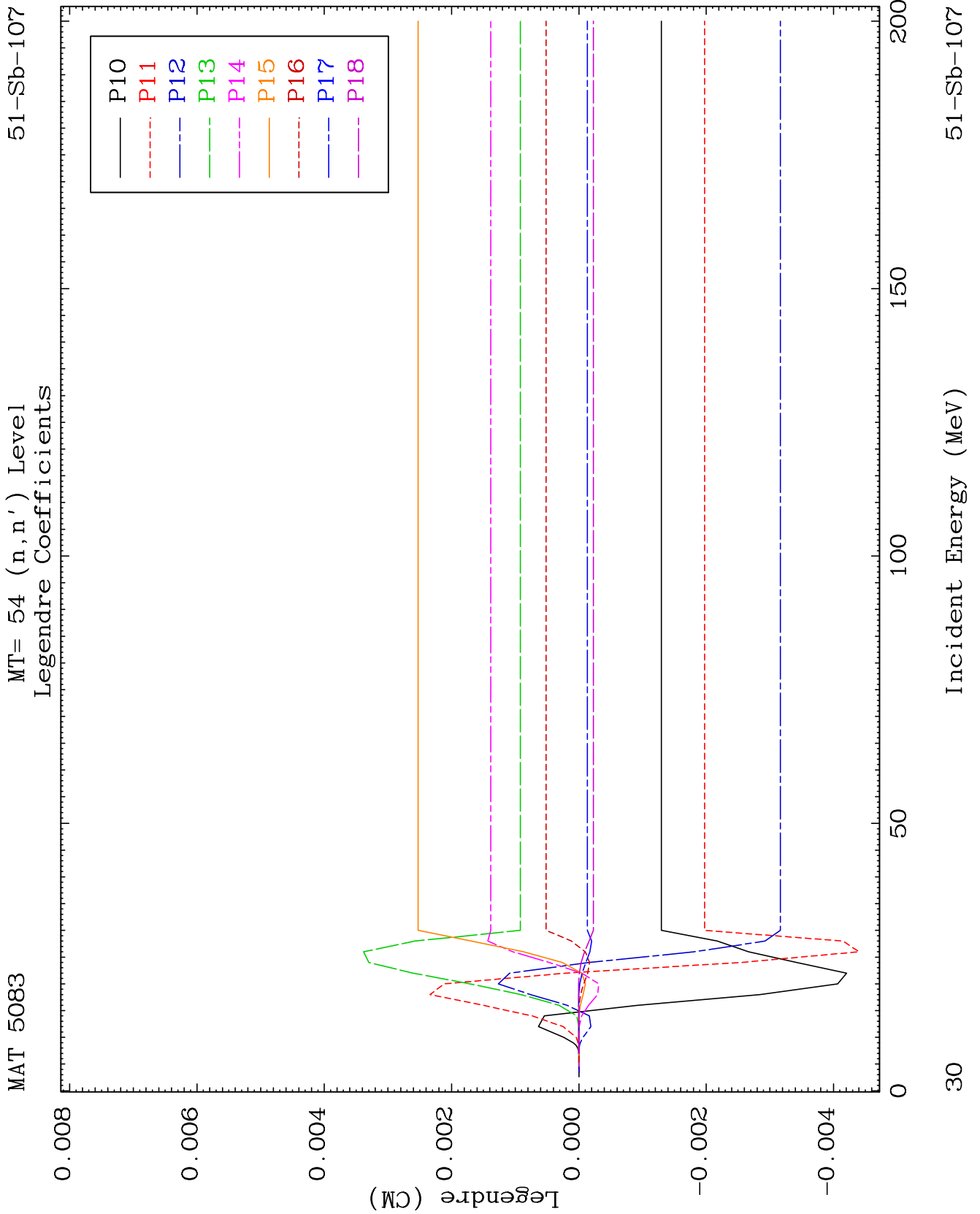
51-Sb-107



51-Sb-107

Incident Energy (MeV)

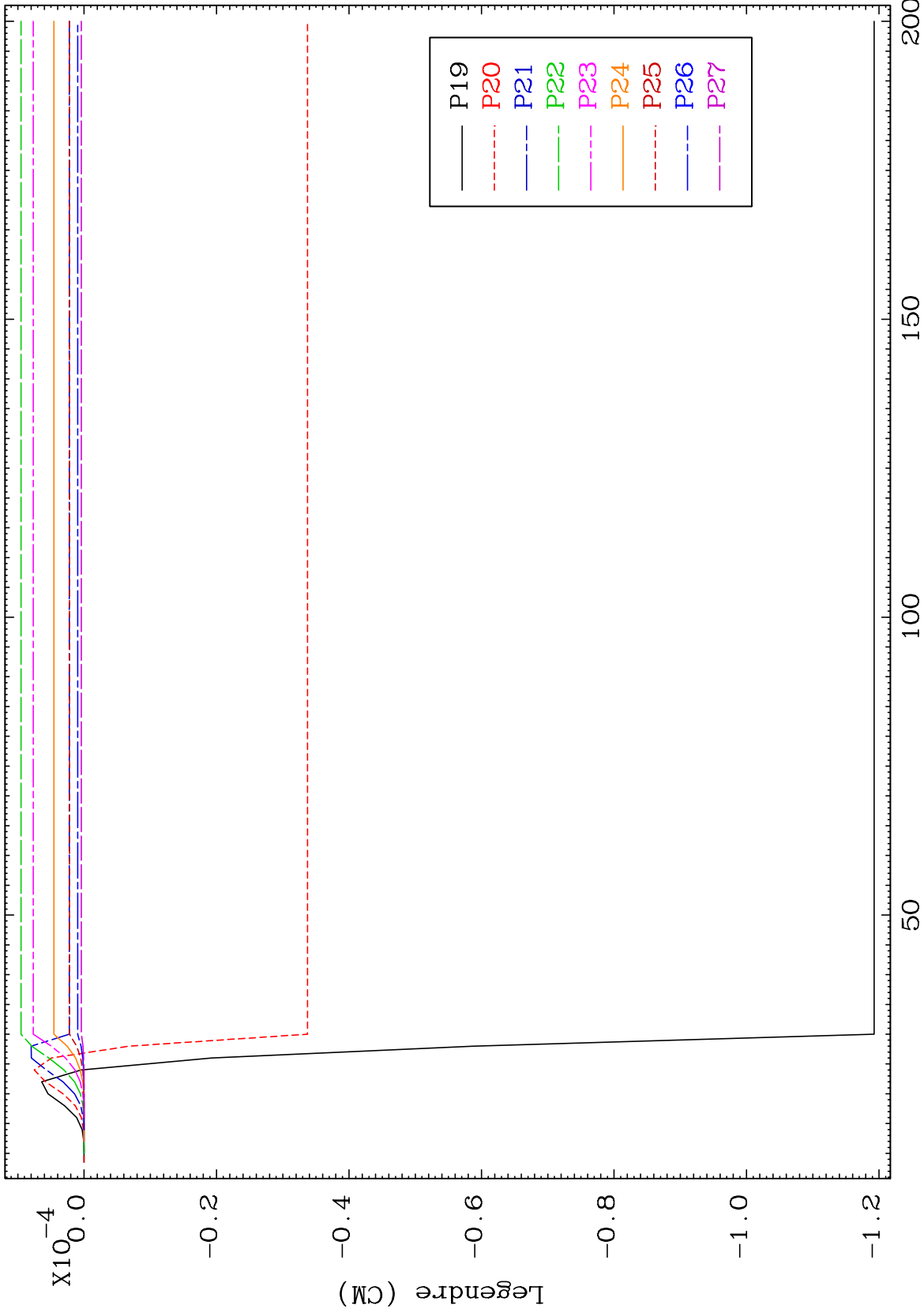
29



MAT 5083

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

51-Sb-107



31

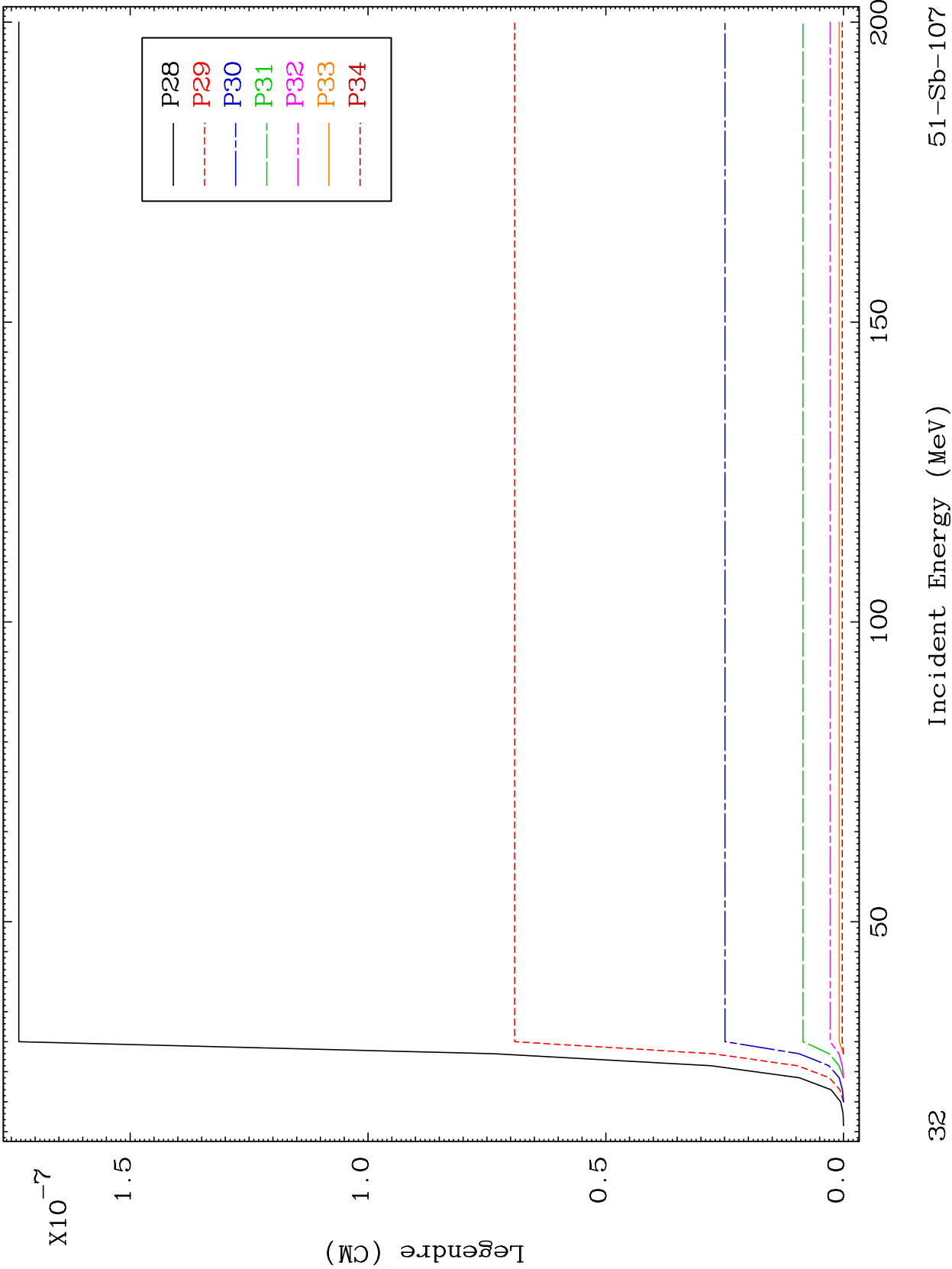
Incident Energy (MeV)

51-Sb-107

MAT 5083

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

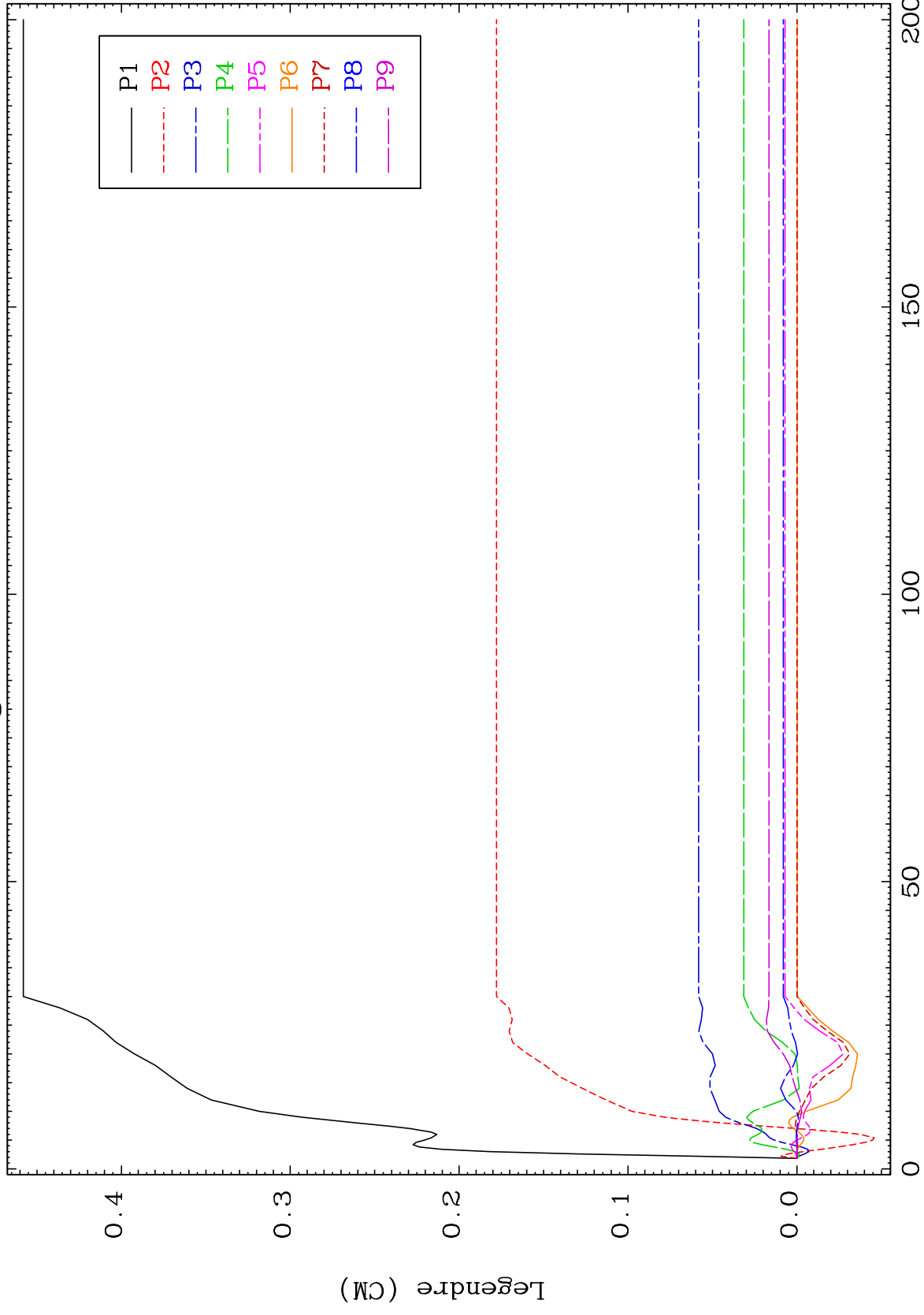
51-Sb-107



MAT 5083

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

51-Sb-107



51-Sb-107

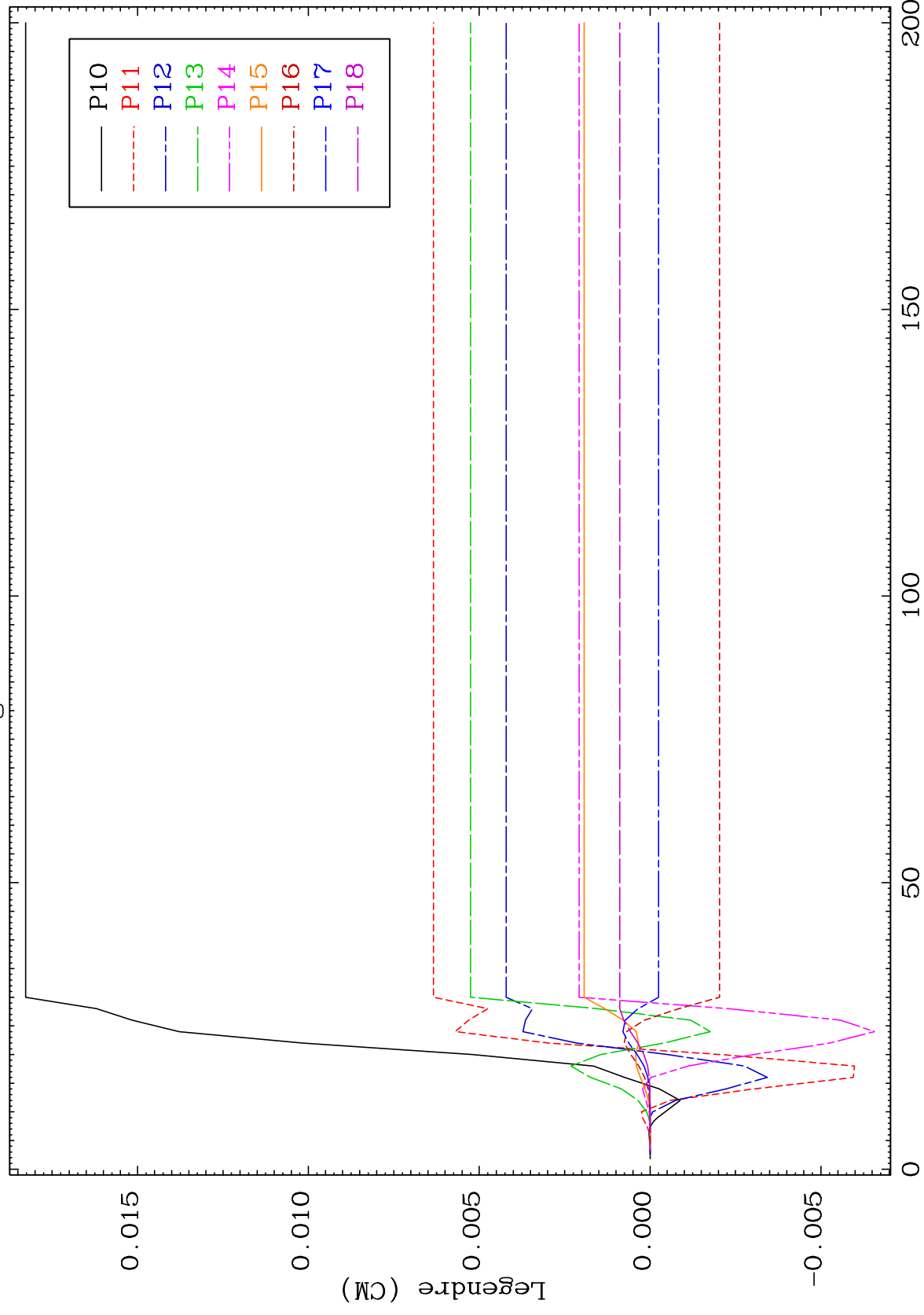
Incident Energy (MeV)

33

MAT 5083

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

51-Sb-107



34

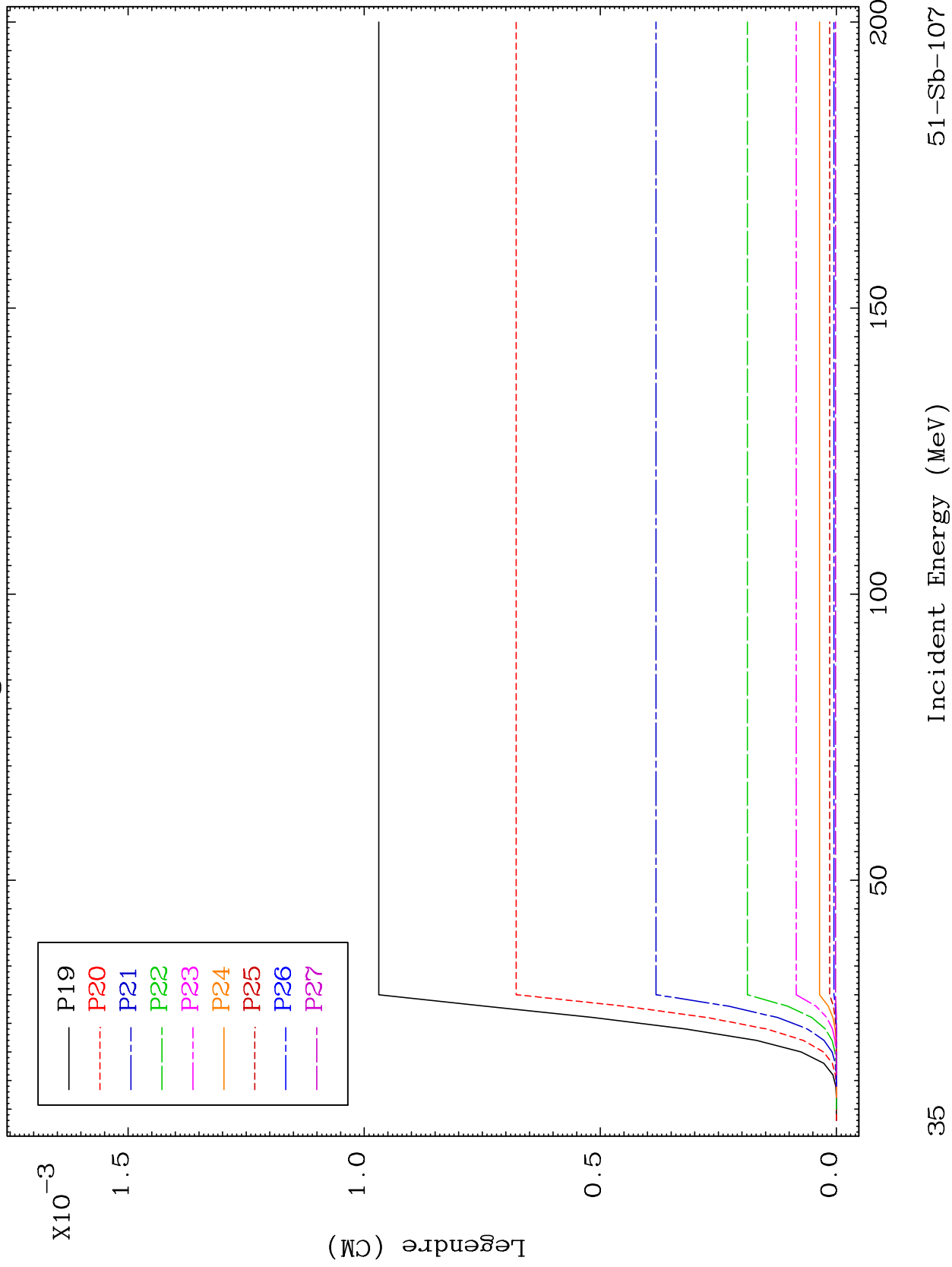
Incident Energy (MeV)

51-Sb-107

MAT 5083

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

51-Sb-107



35

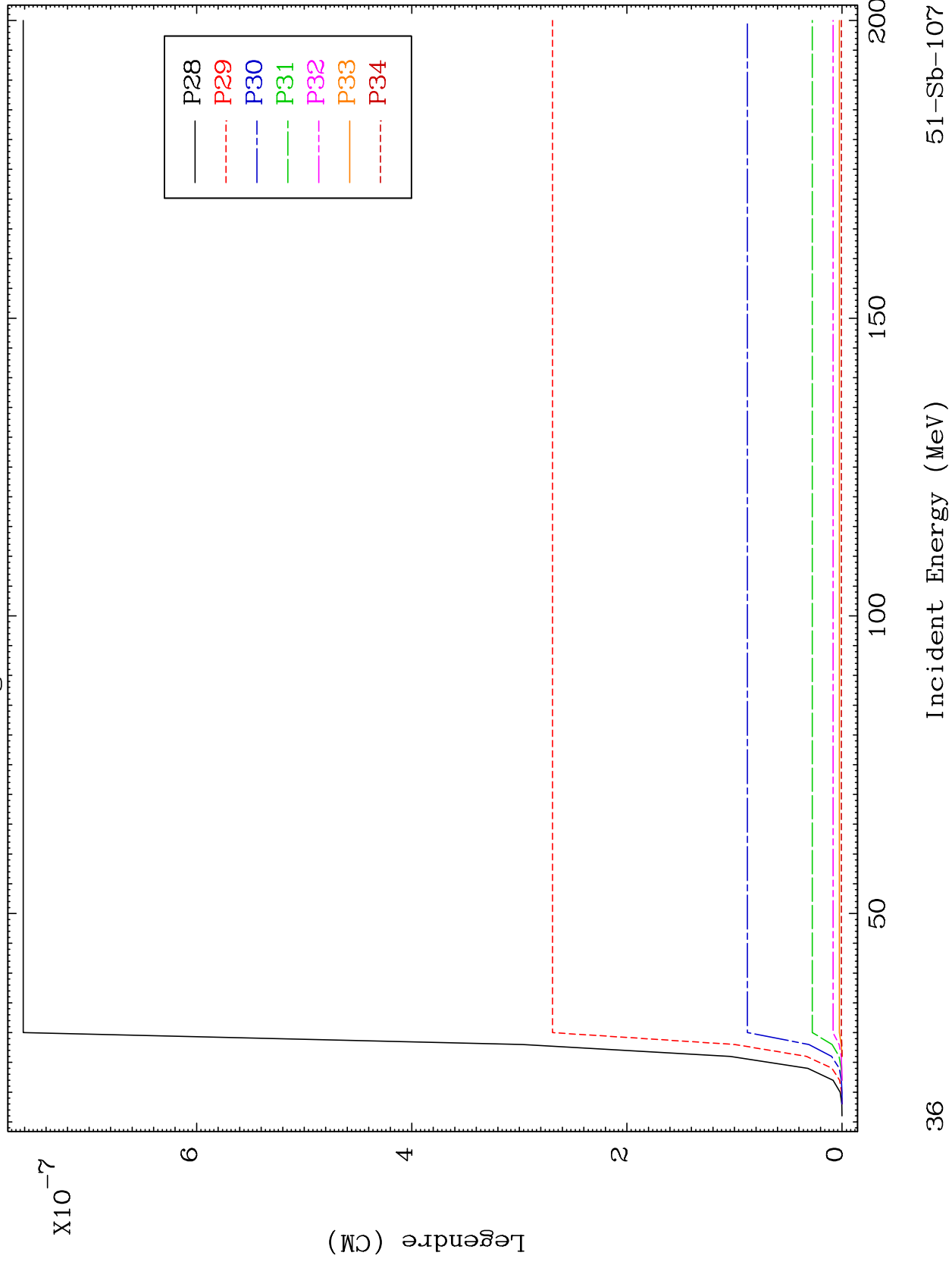
Incident Energy (MeV)

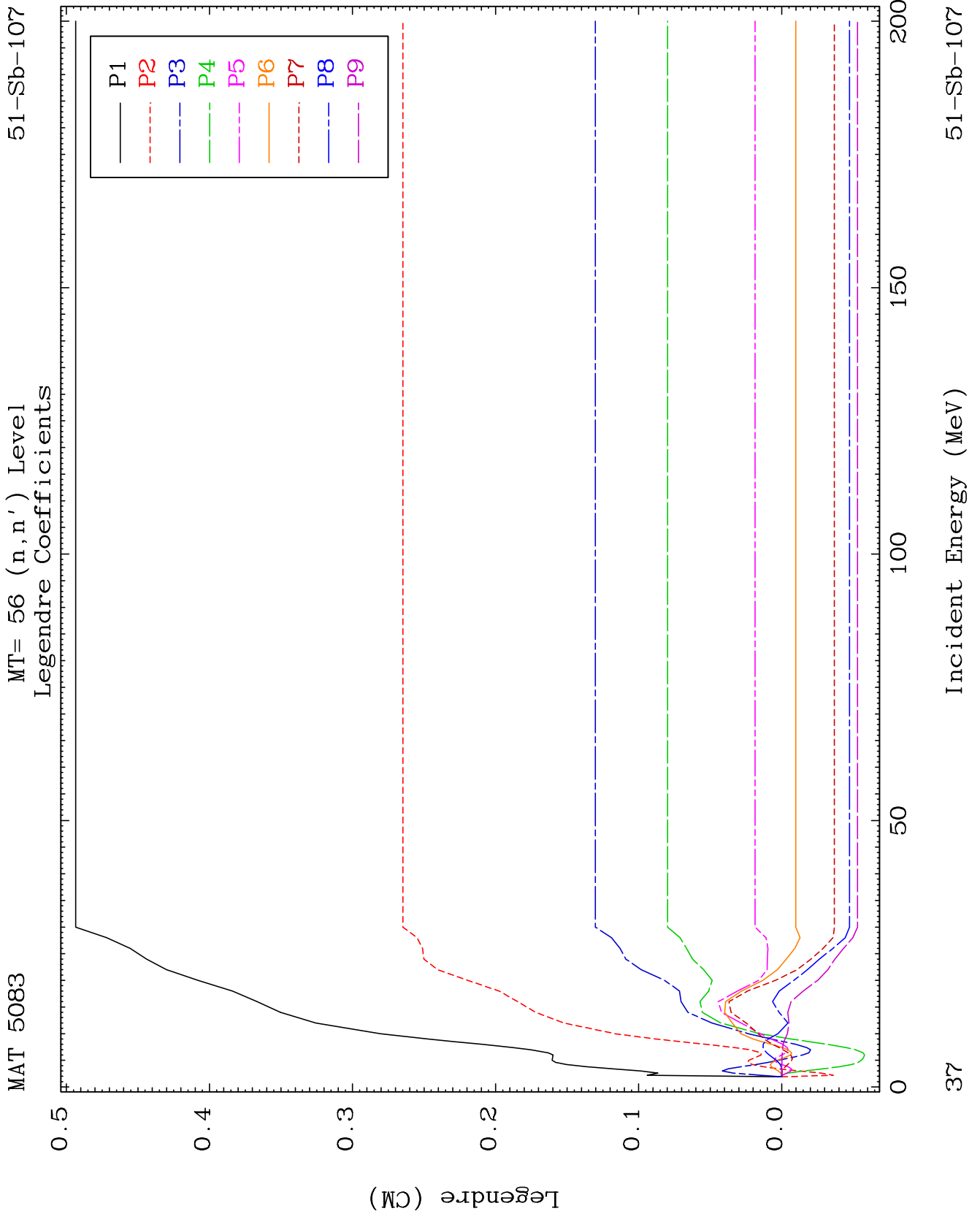
51-Sb-107

MAT 5083

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

51-Sb-107

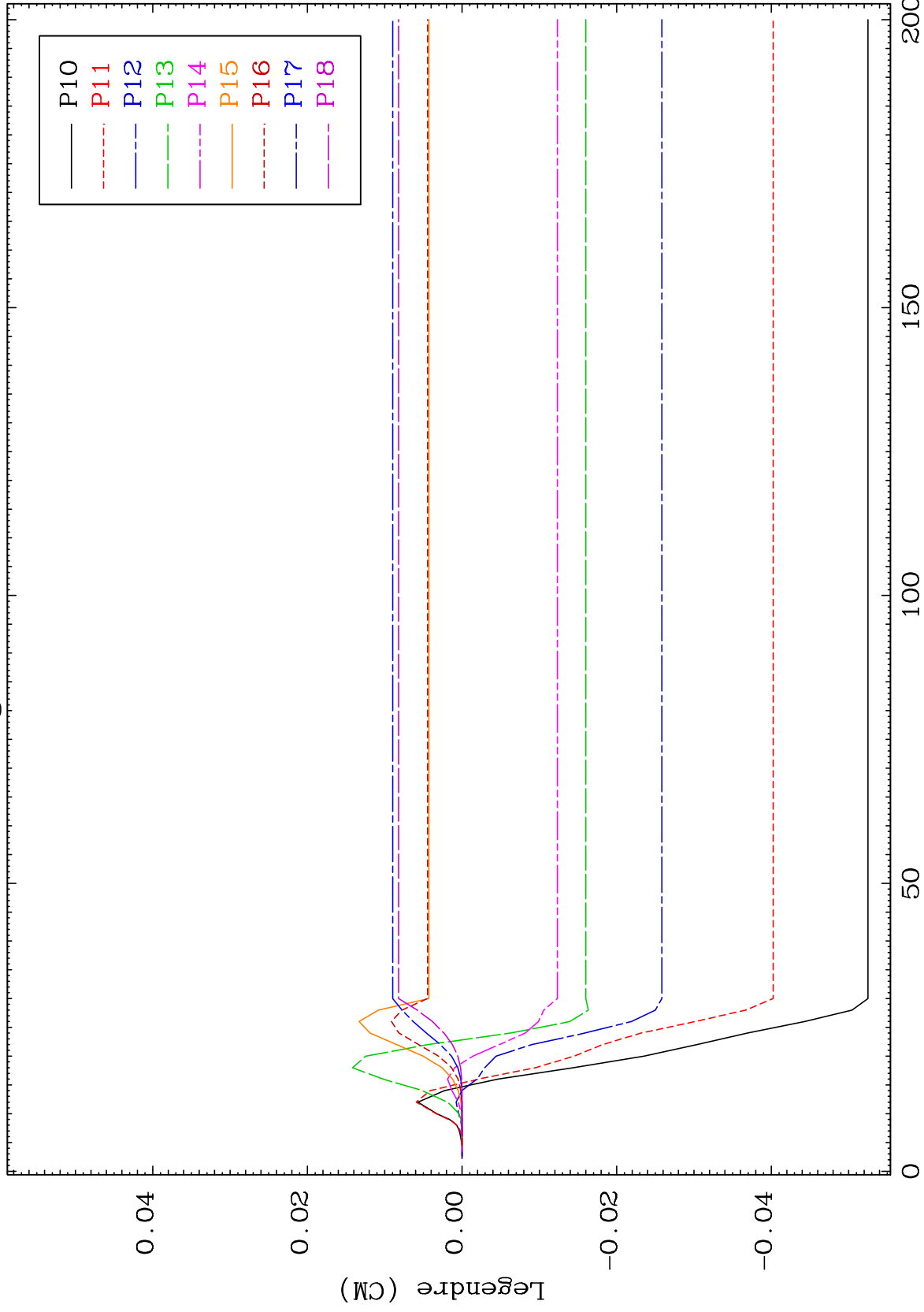




MAT 5083

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

51-Sb-107



38

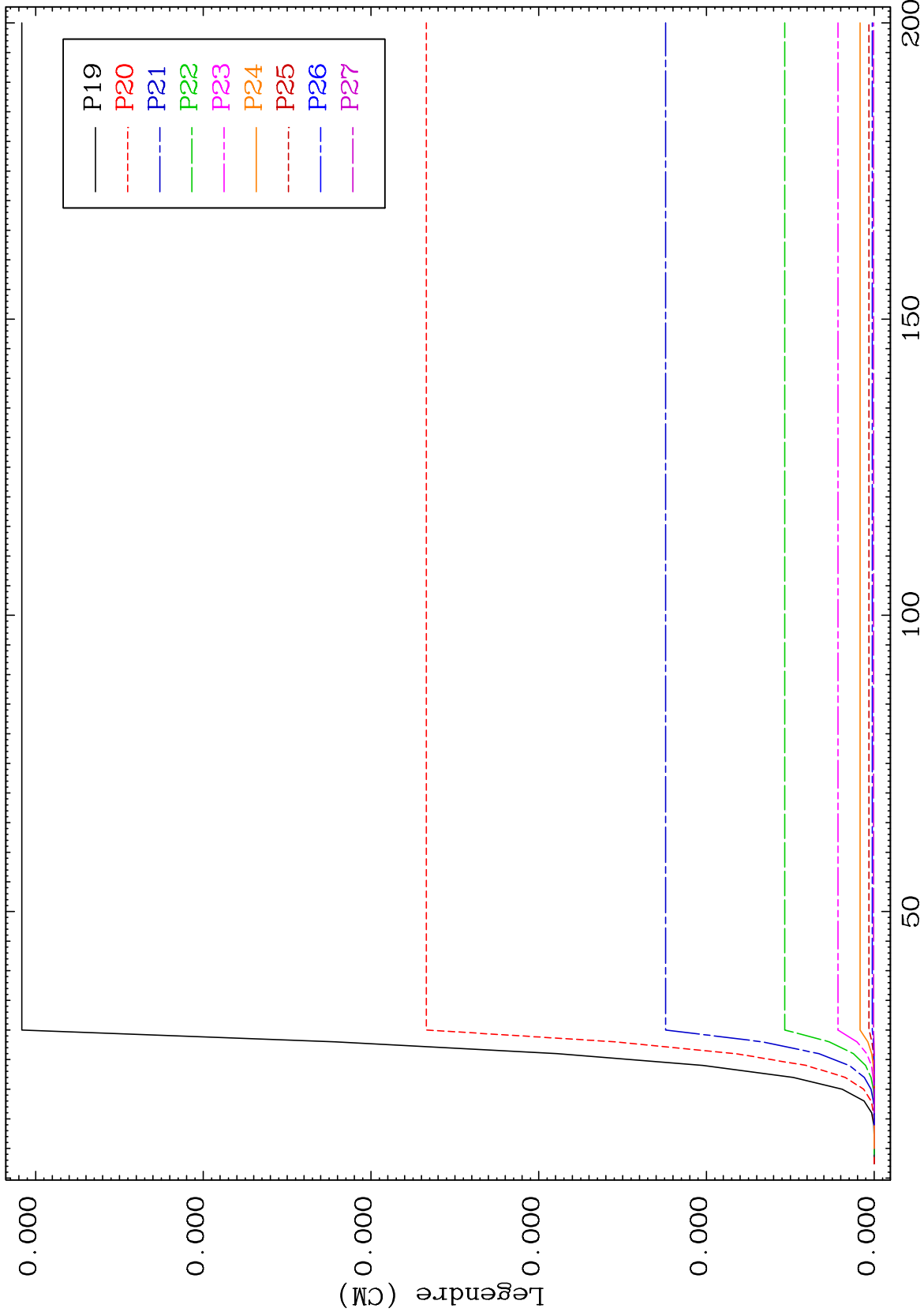
Incident Energy (MeV)

51-Sb-107

MAT 5083

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

51-Sb-107



39

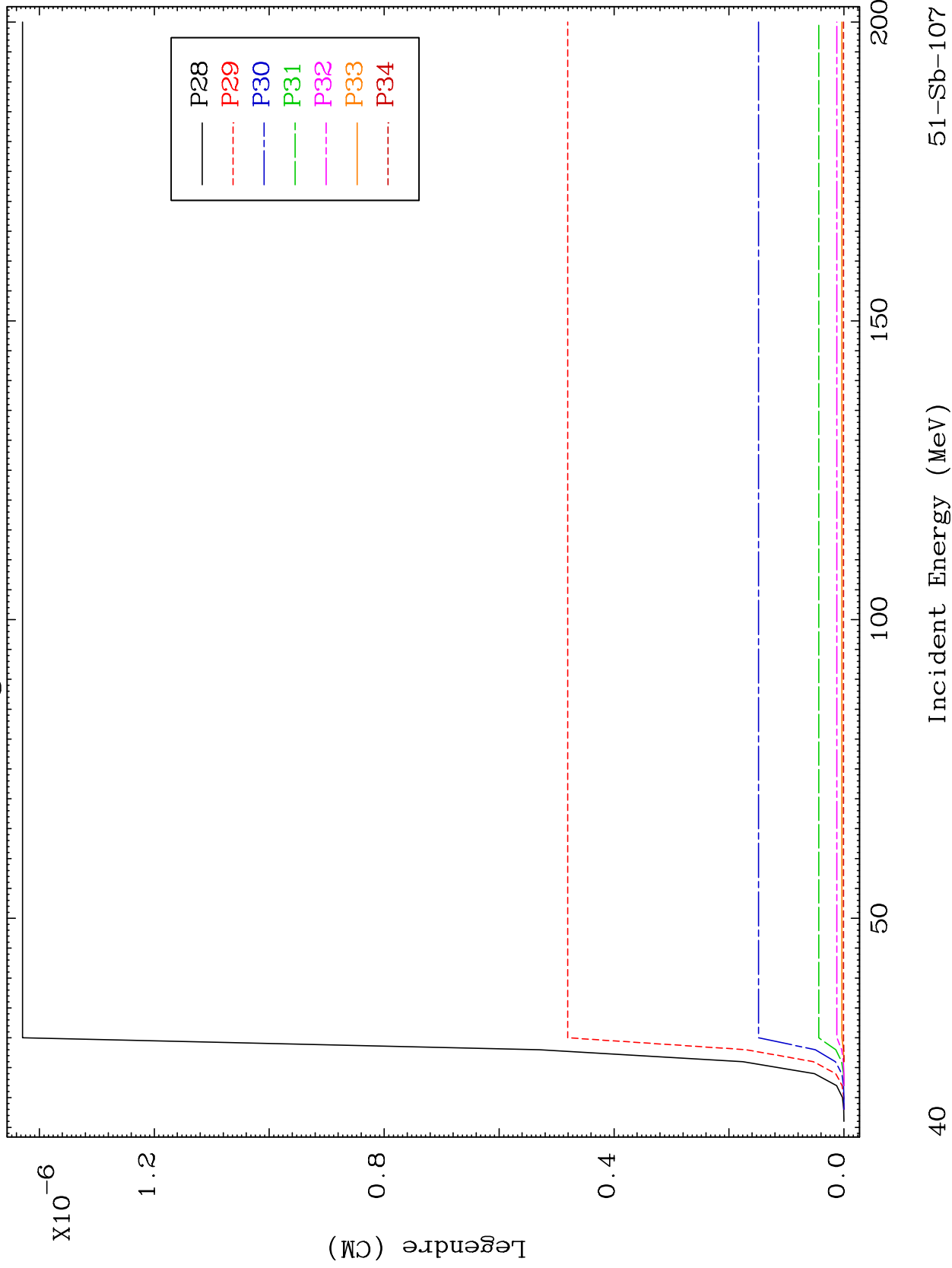
Incident Energy (MeV)

51-Sb-107

MAT 5083

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

51-Sb-107

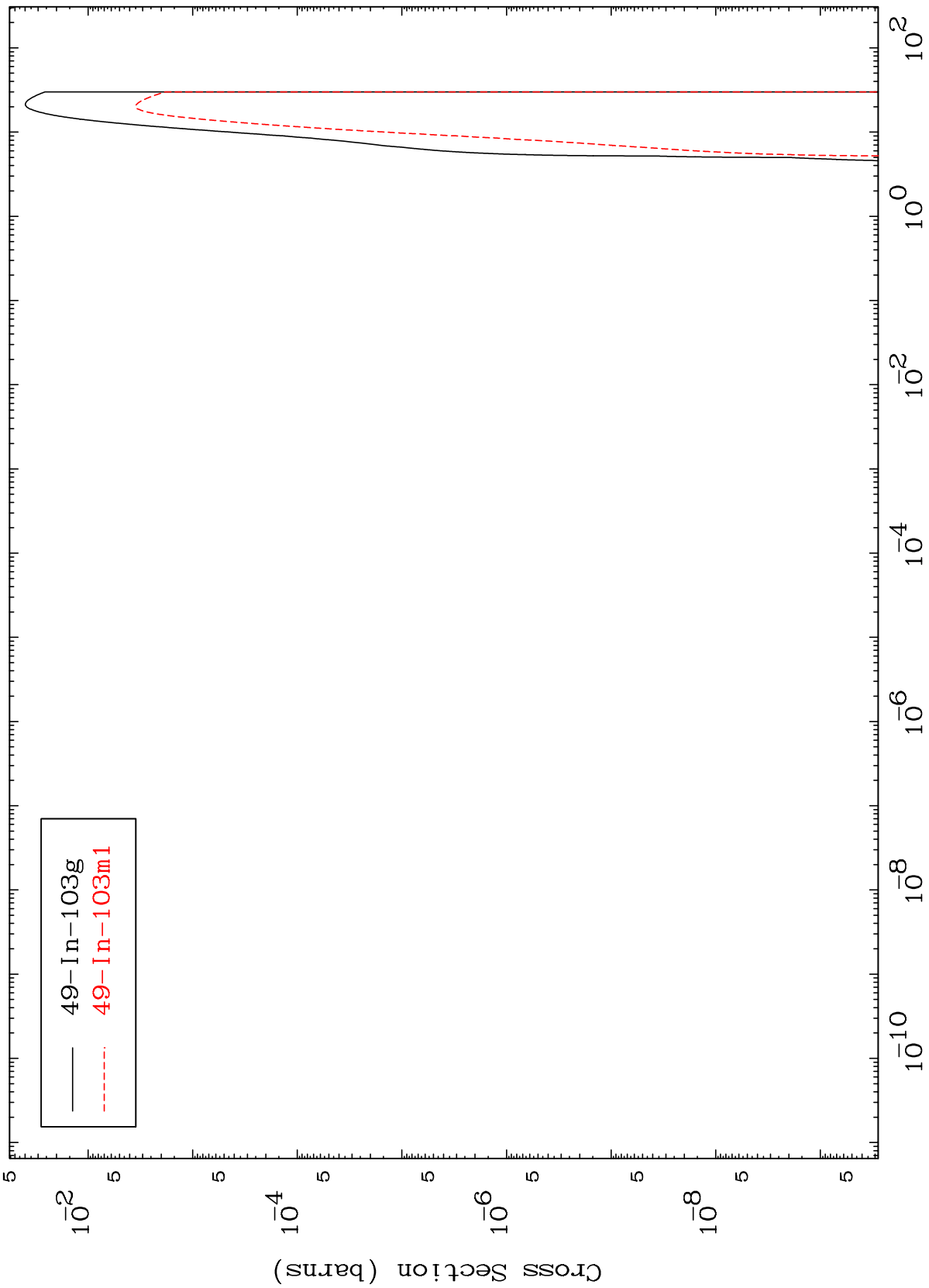


MAT 5083

(n,n') α

51-Sb-107

Radionuclide Production Cross Section



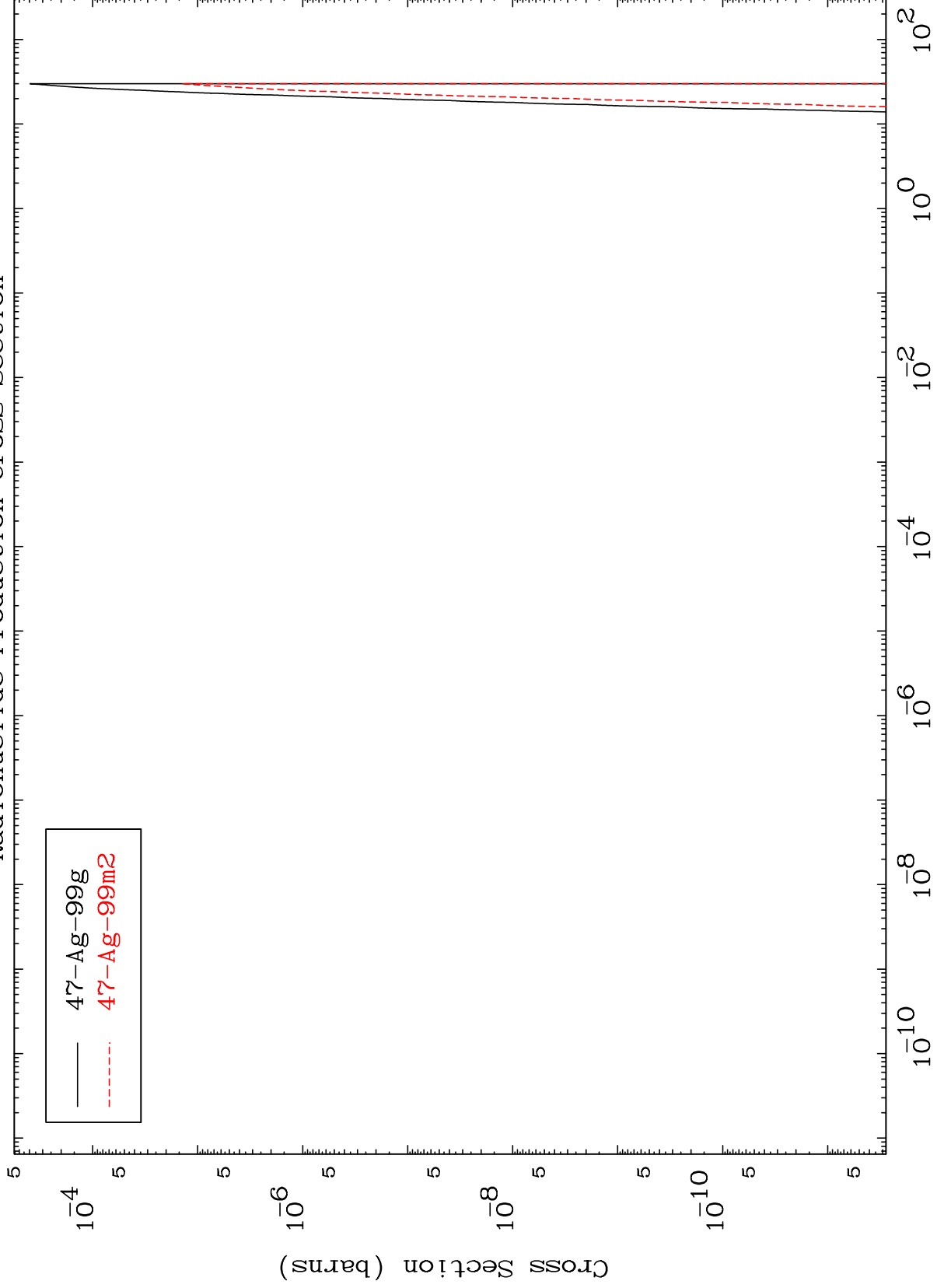
— 49-In-103g
- - - 49-In-103m1

MAT 5083

(n,n') 2 α

51-Sb-107

Radionuclide Production Cross Section



Incident Energy (MeV)

51-Sb-107

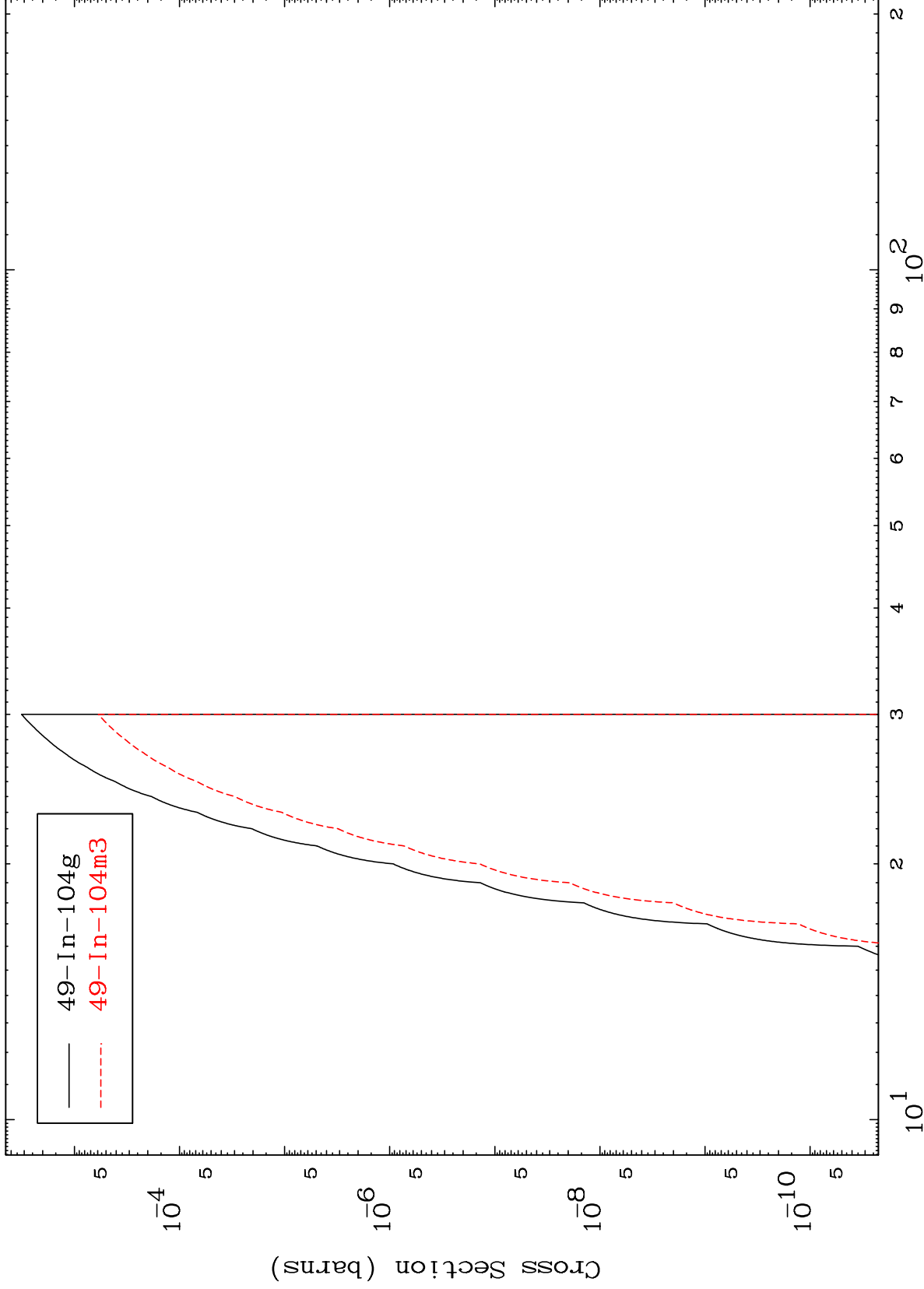
42

MAT 5083

(n,n') He-3

51-Sb-107

Radionuclide Production Cross Section



43

Incident Energy (MeV)

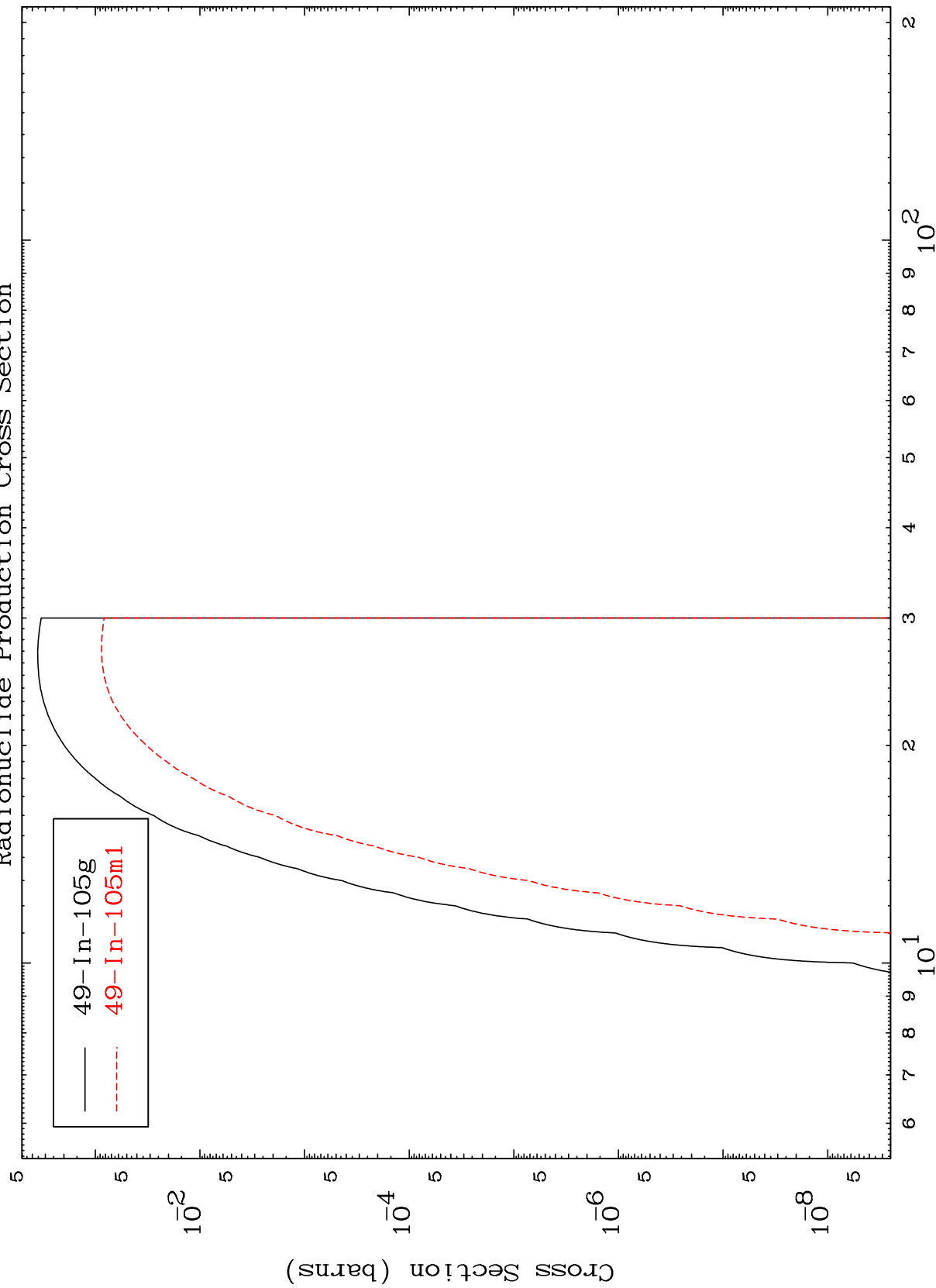
51-Sb-107

MAT 5083

(n,2n) p

51-Sb-107

Radionuclide Production Cross Section



Incident Energy (MeV)

51-Sb-107

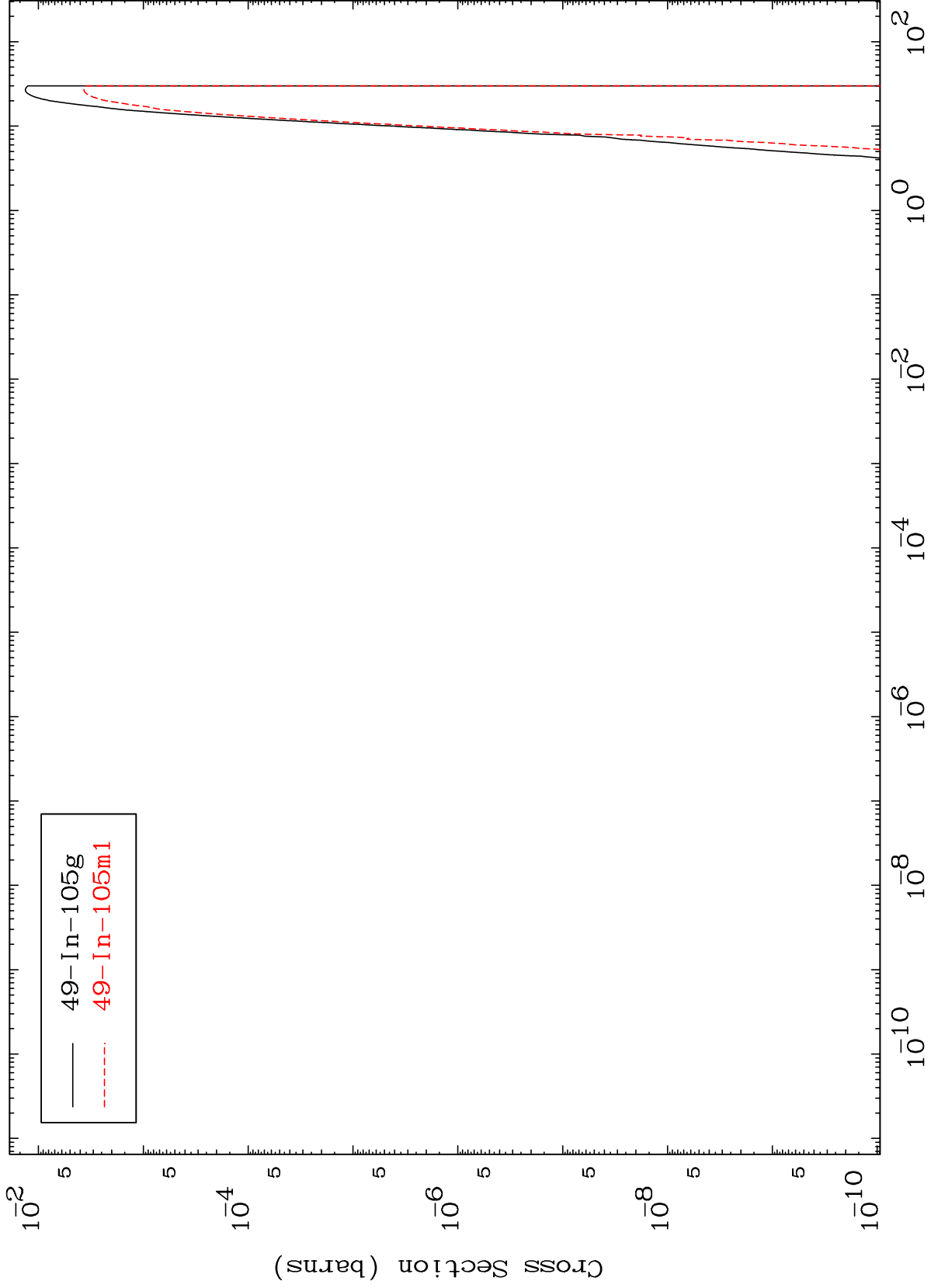
44

MAT 5083

(n,He-3)

51-Sb-107

Radionuclide Production Cross Section



— 49-In-105g
- - - 49-In-105m1

45

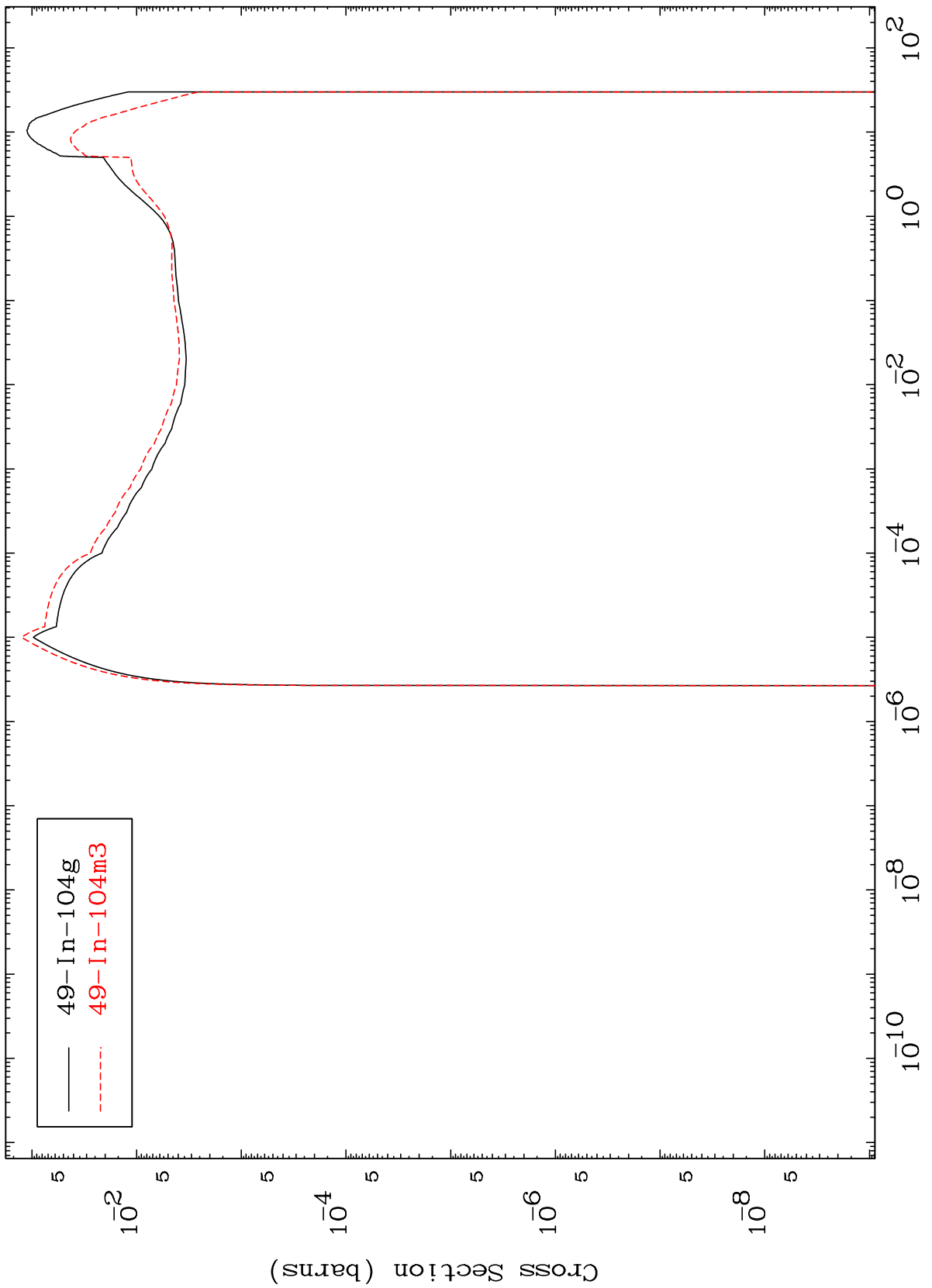
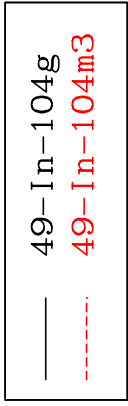
Incident Energy (MeV)

51-Sb-107

MAT 5083

51-Sb-107

Radionuclide Production Cross Section



46

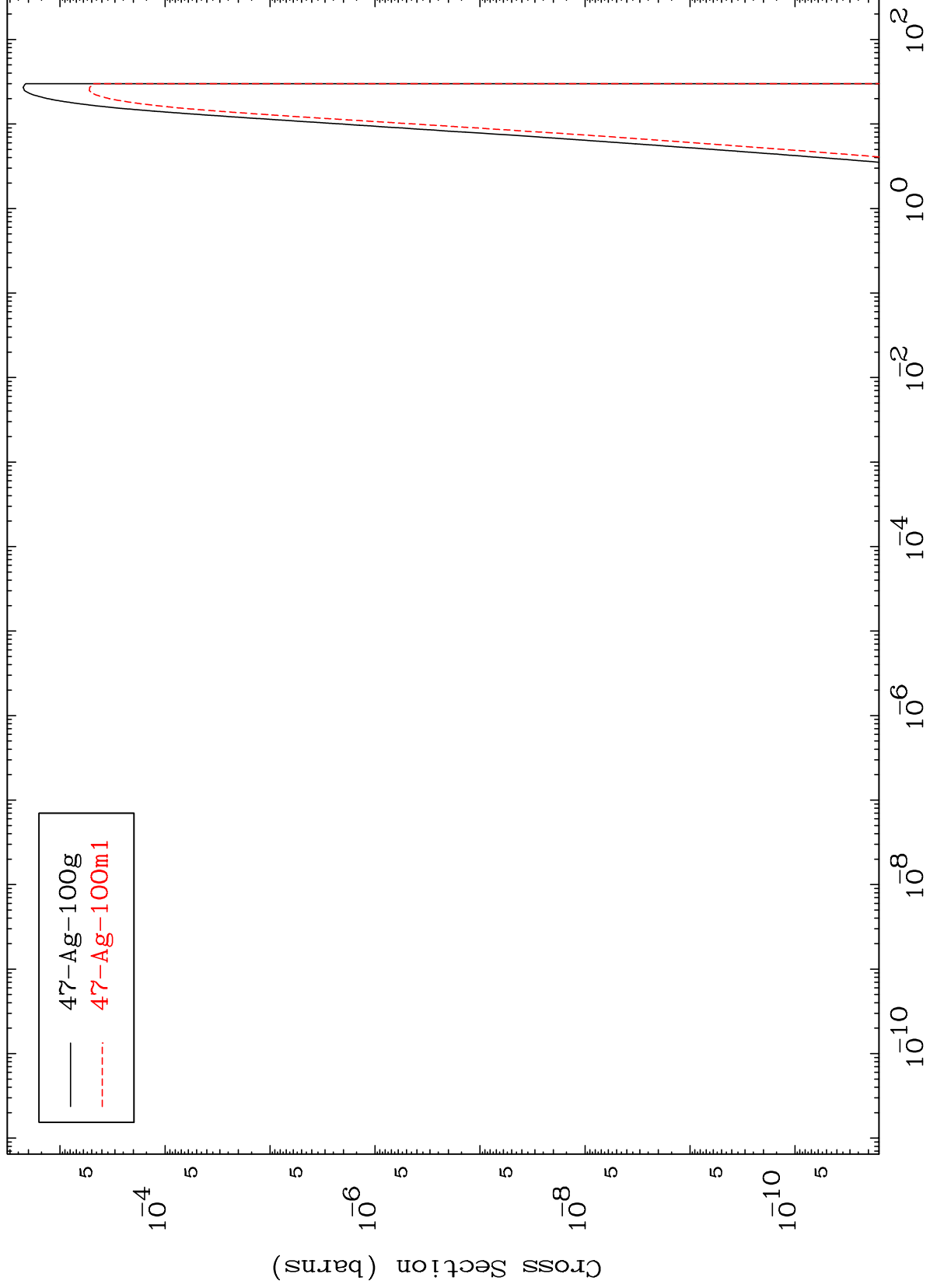
51-Sb-107

MAT 5083

(n,2α)

51-Sb-107

Radionuclide Production Cross Section



— 47-Ag-100g
- - - 47-Ag-100m1

Incident Energy (MeV)

51-Sb-107

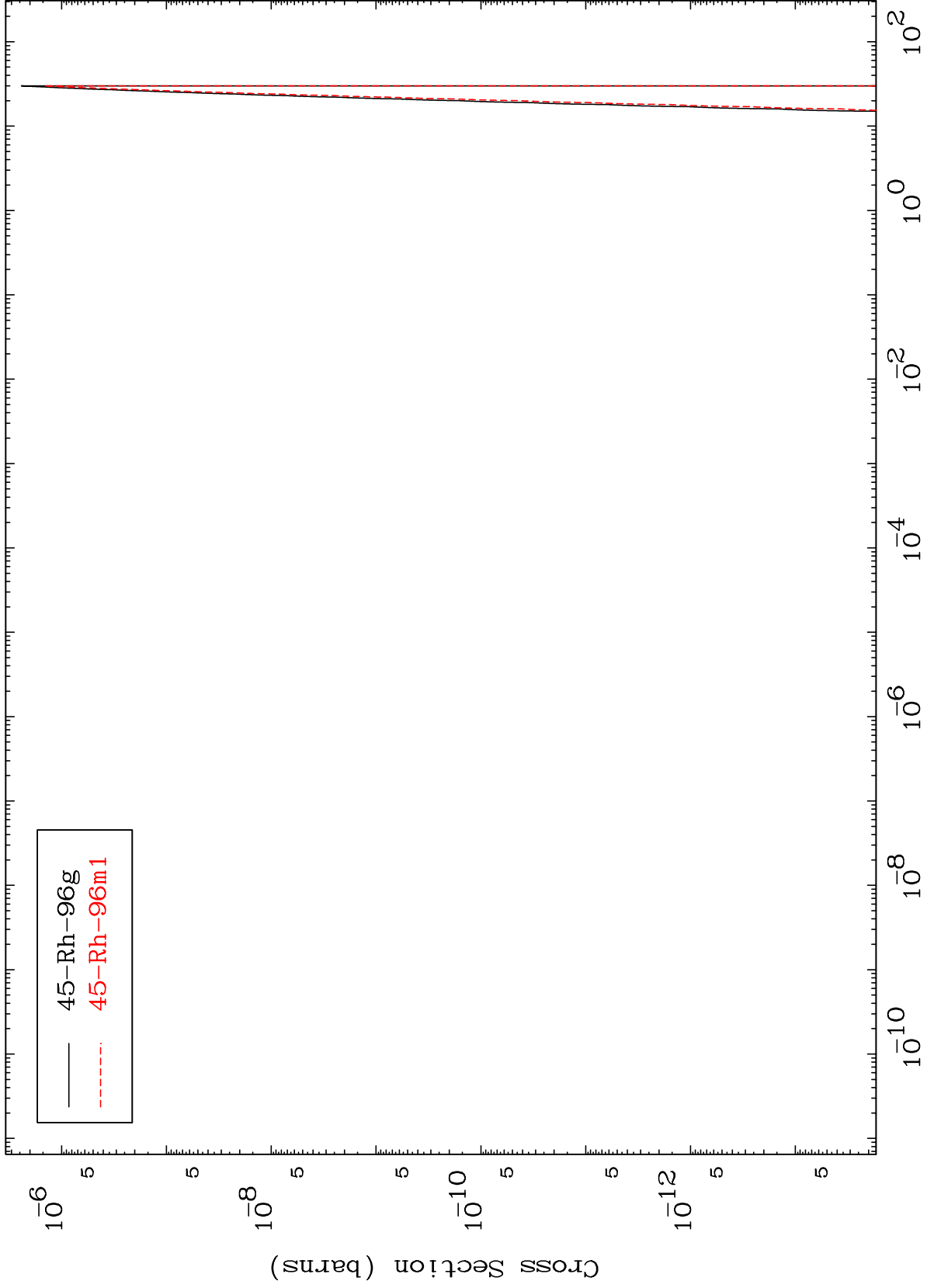
47

MAT 5083

(n,3α)

51-Sb-107

Radionuclide Production Cross Section



48

Incident Energy (MeV)

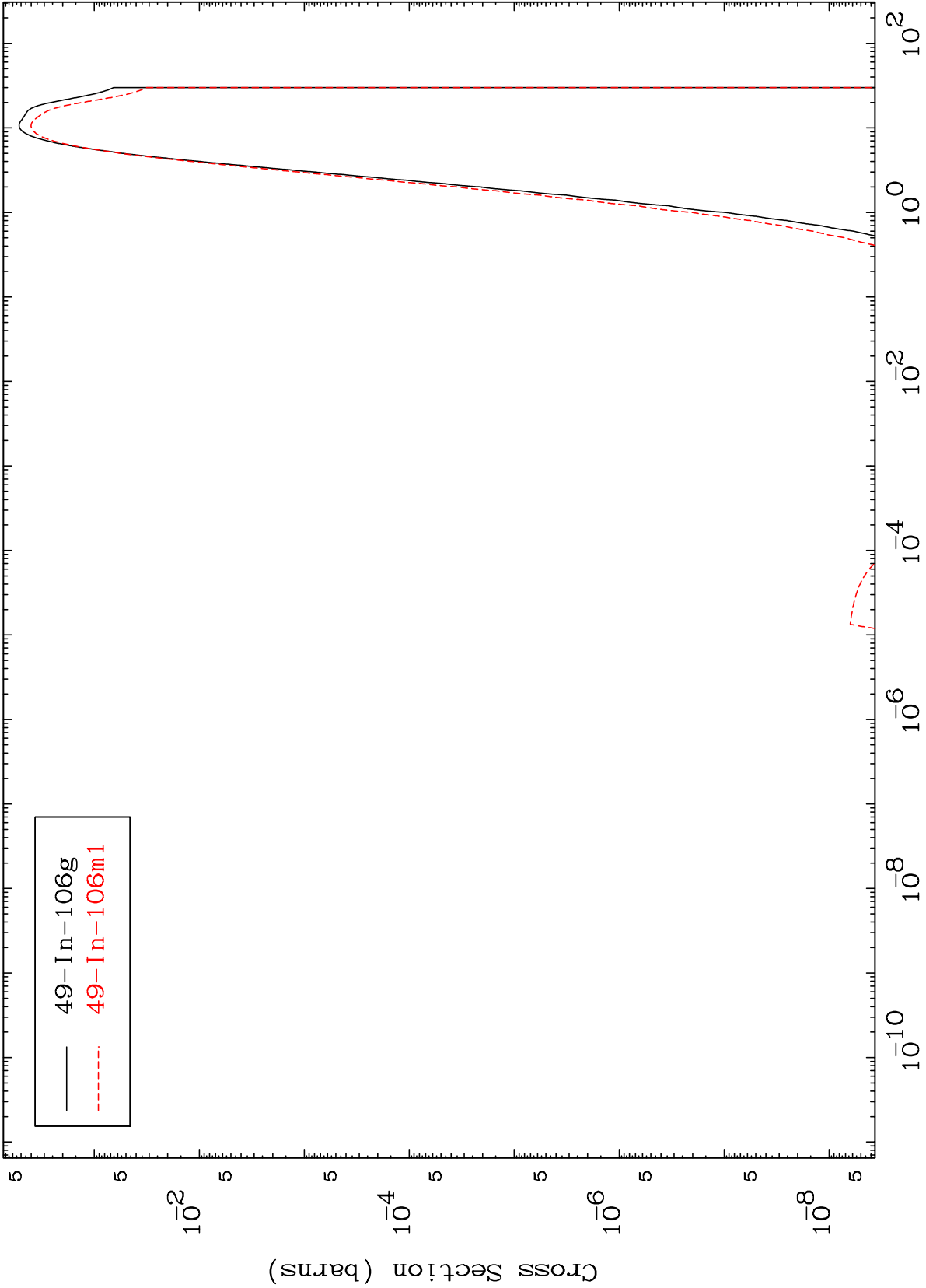
51-Sb-107

MAT 5083

(n,2p)

51-Sb-107

Radionuclide Production Cross Section



49

Incident Energy (MeV)

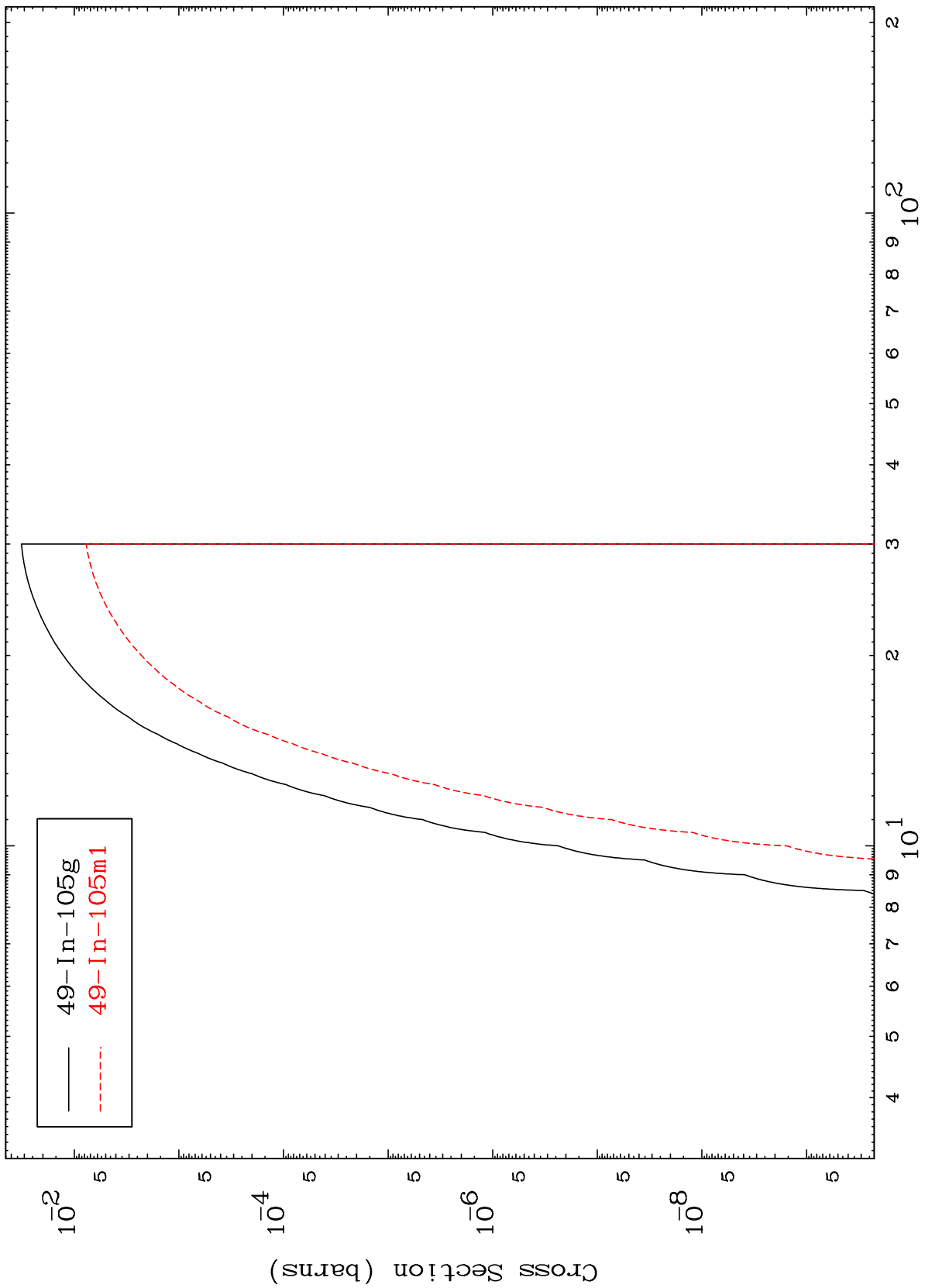
51-Sb-107

MAT 5083

(n,p) d

51-Sb-107

Radionuclide Production Cross Section



— 49-In-105g
- - - 49-In-105m1

50

Incident Energy (MeV)

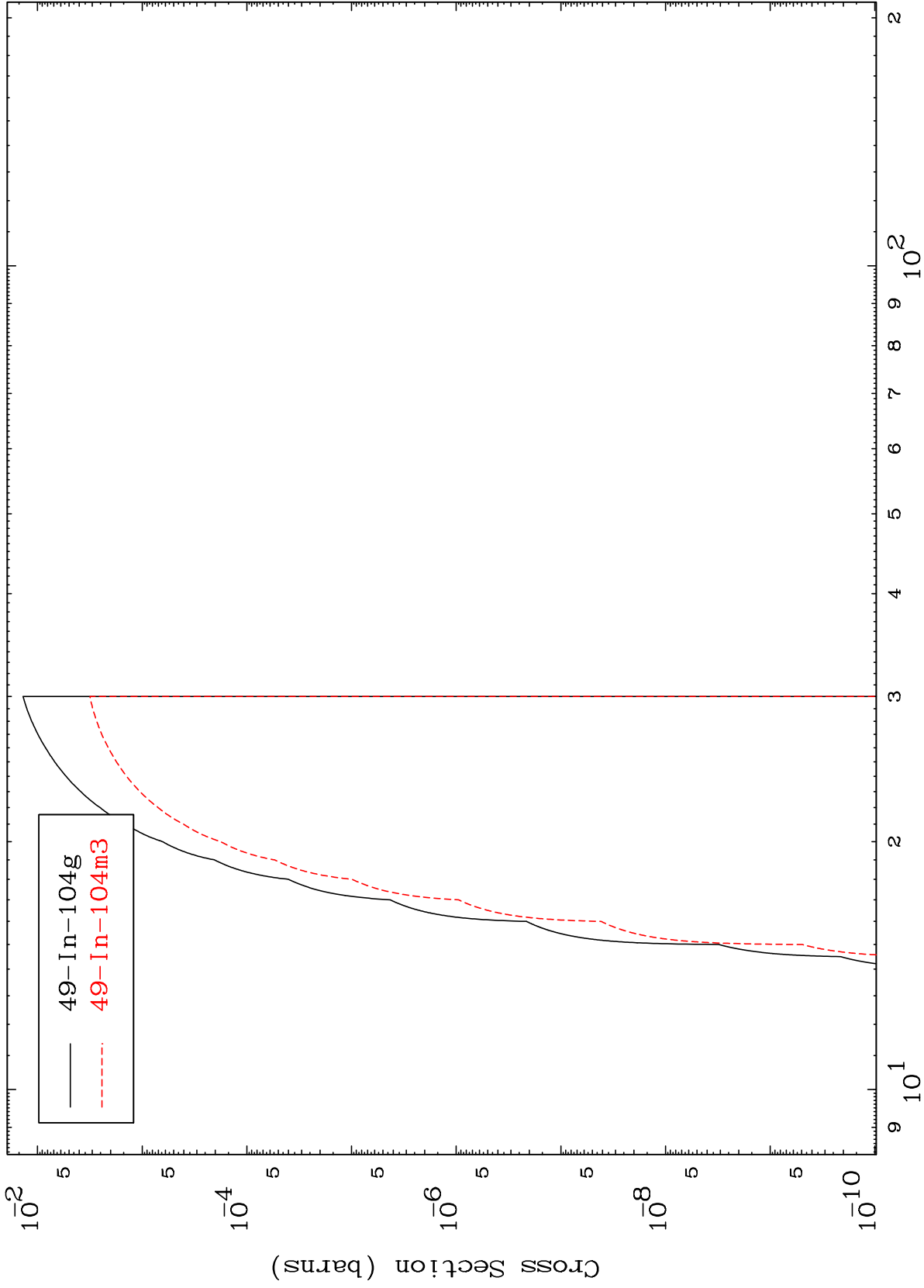
51-Sb-107

MAT 5083

(n,p) t

51-Sb-107

Radionuclide Production Cross Section



51

Incident Energy (MeV)

51-Sb-107