

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

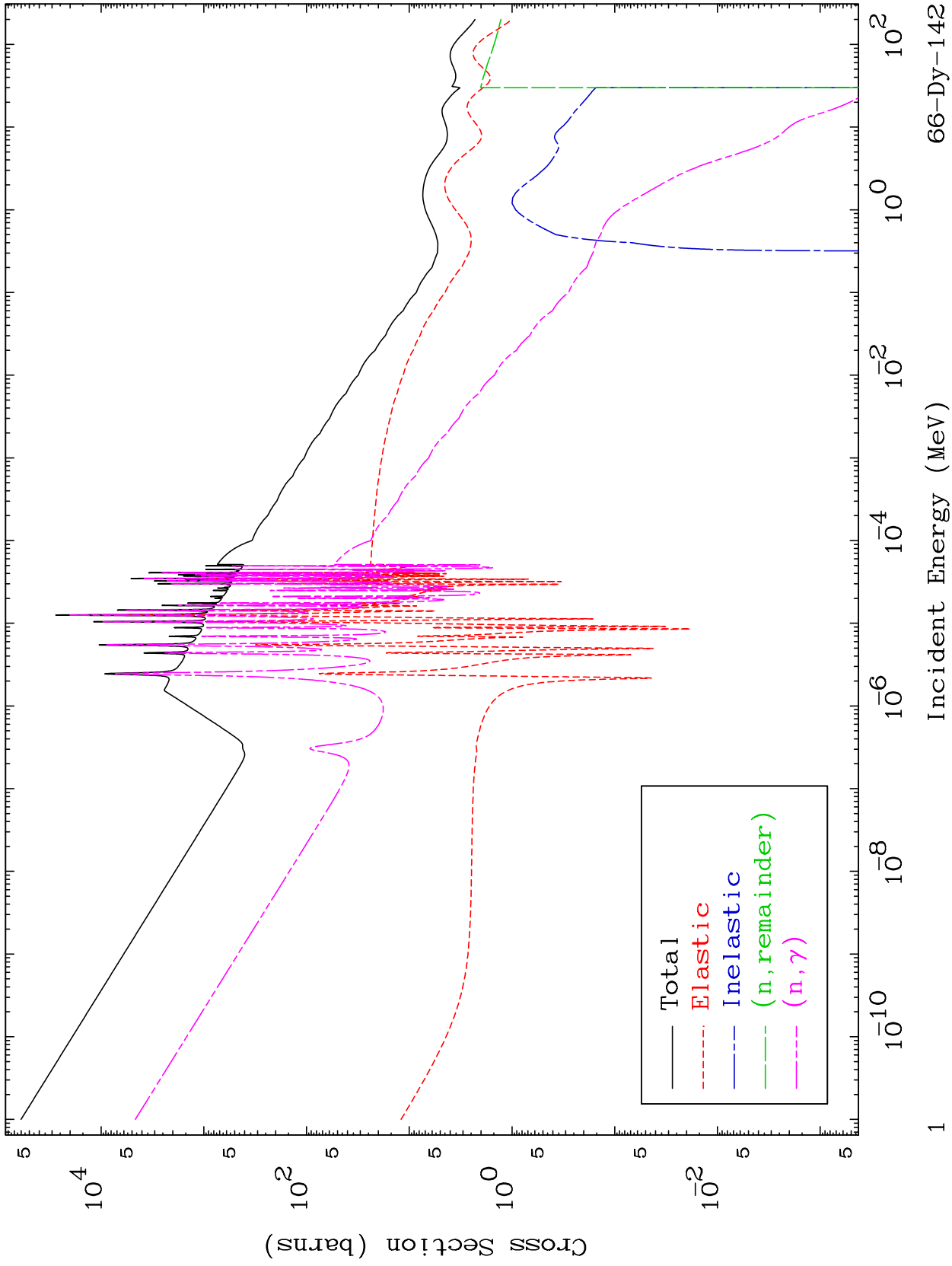
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6583

Major
293 Kelvin Cross Sections

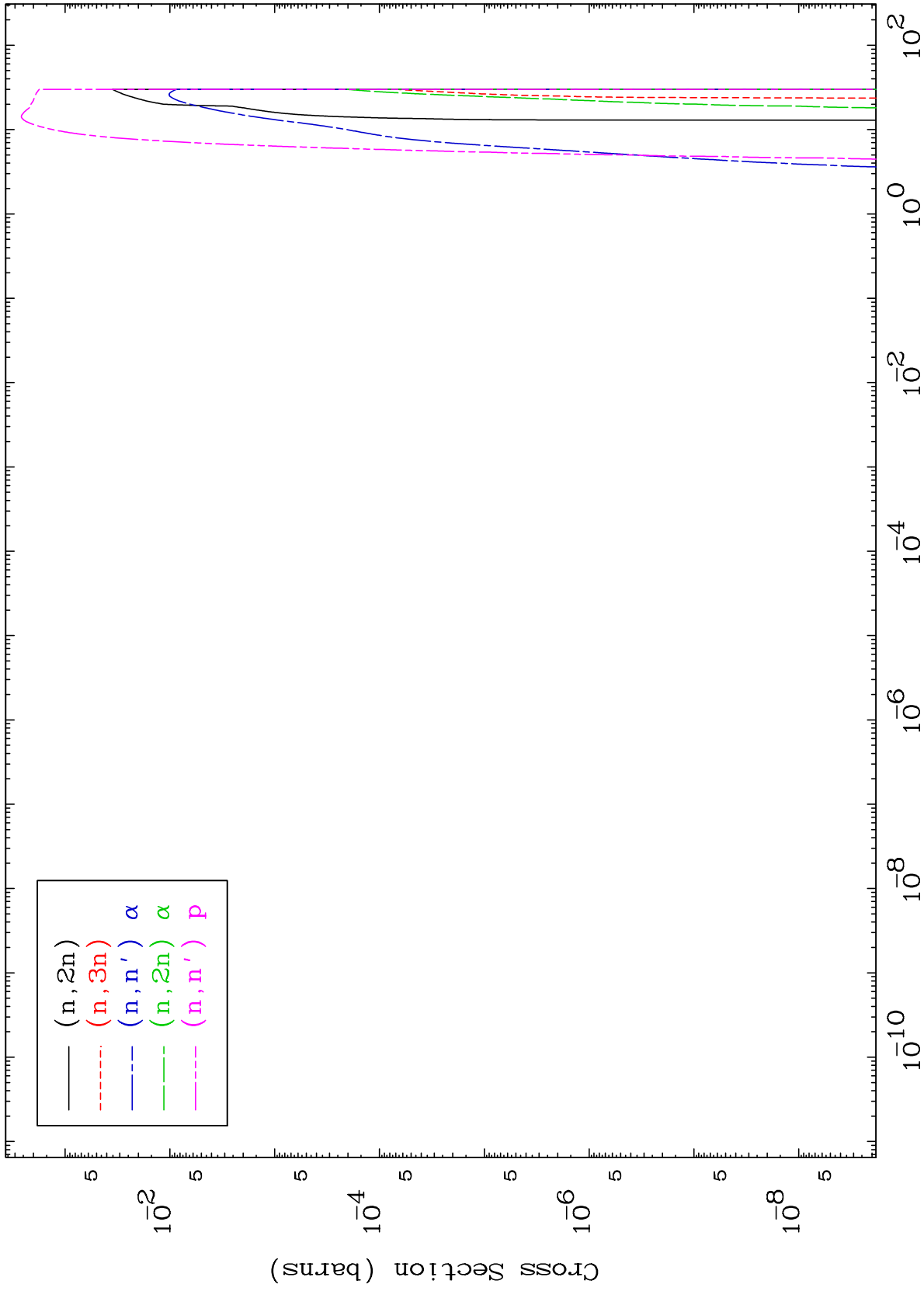
66-Dy-142



MAT 6583

Neutron Production
293 Kelvin Cross Sections

66-Dy-142



2

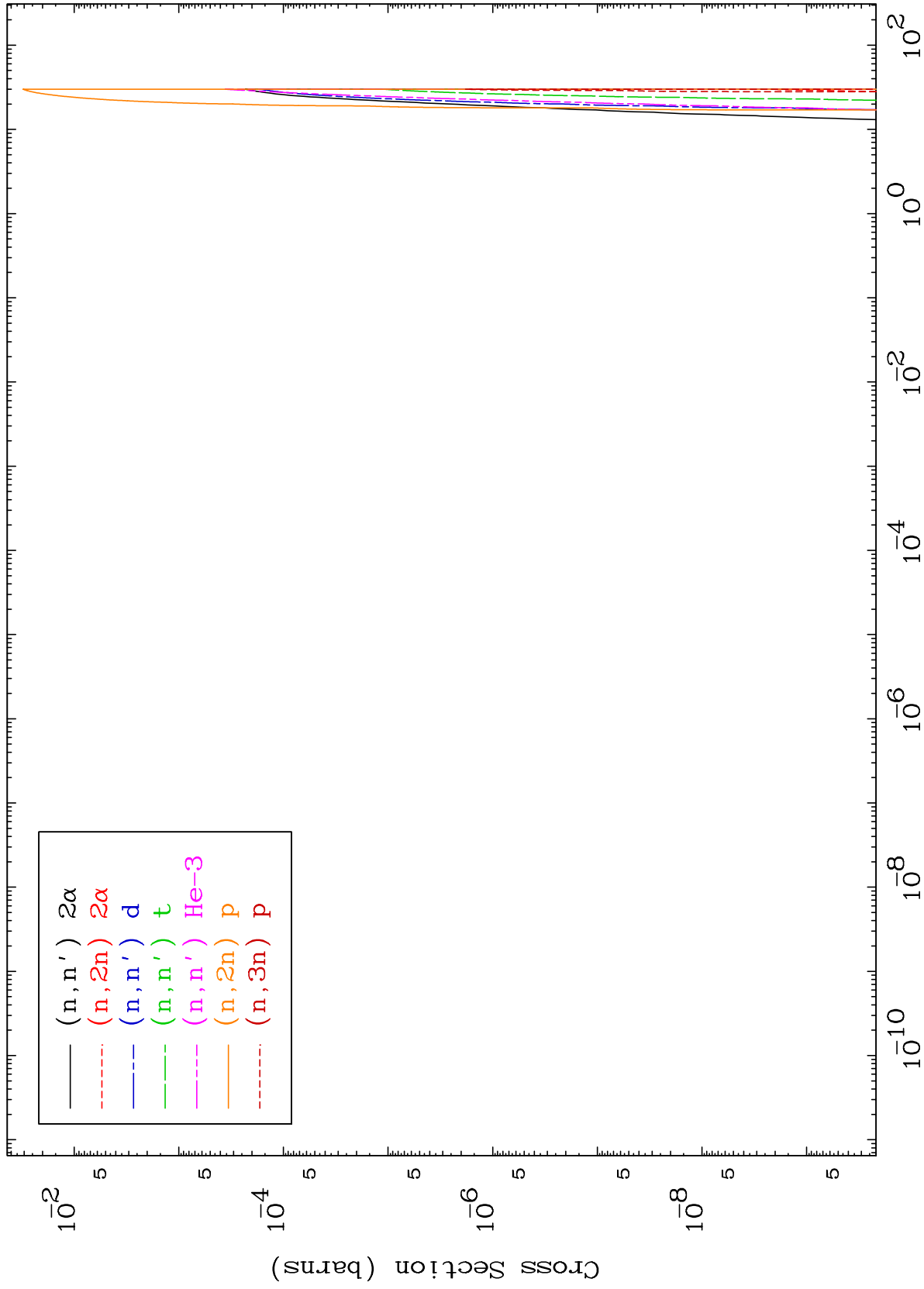
Incident Energy (MeV)

66-Dy-142

MAT 6583

Neutron Production
293 Kelvin Cross Sections

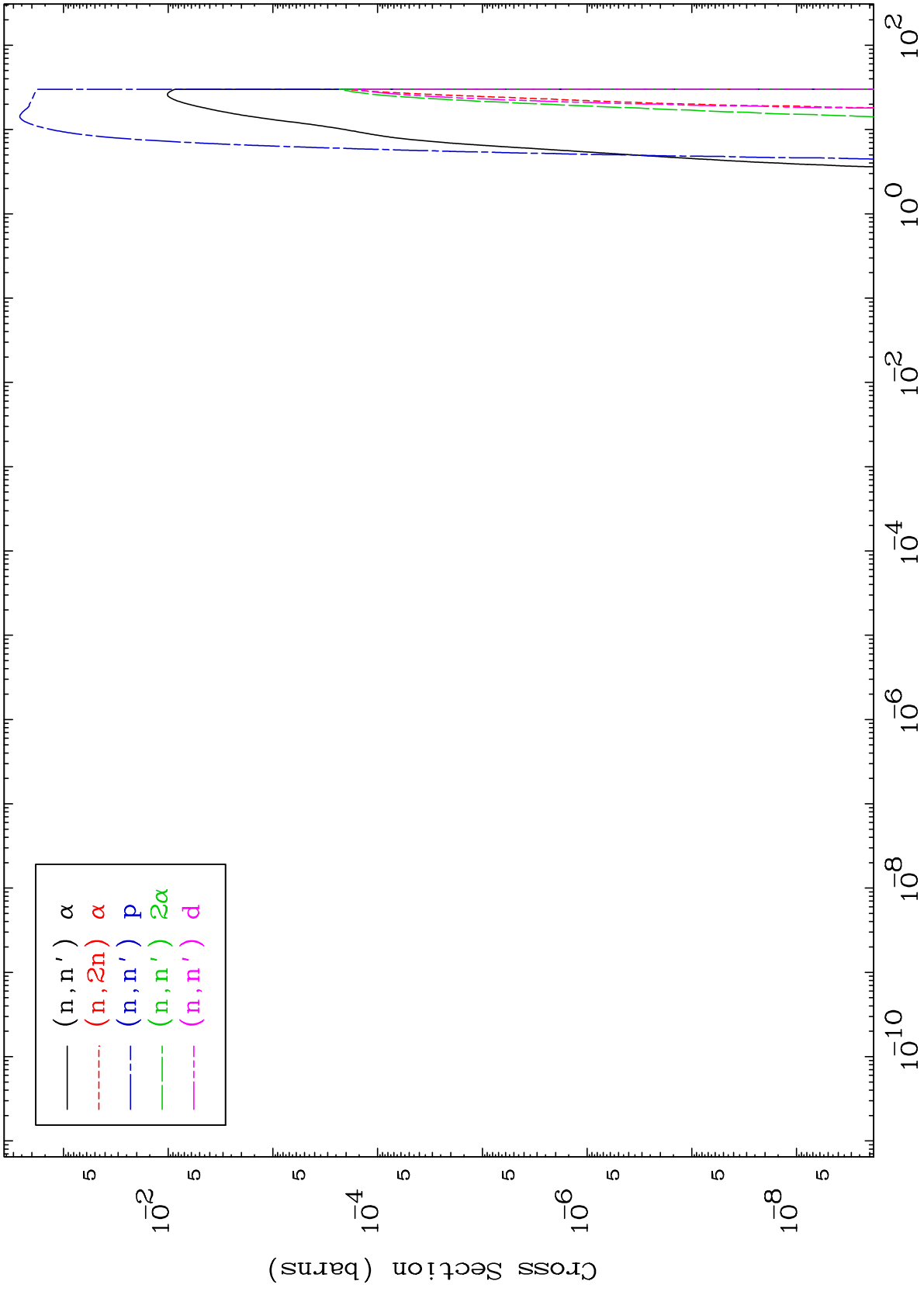
66-Dy-142



MAT 6583

Charged Particle
293 Kelvin Cross Sections

66-Dy-142

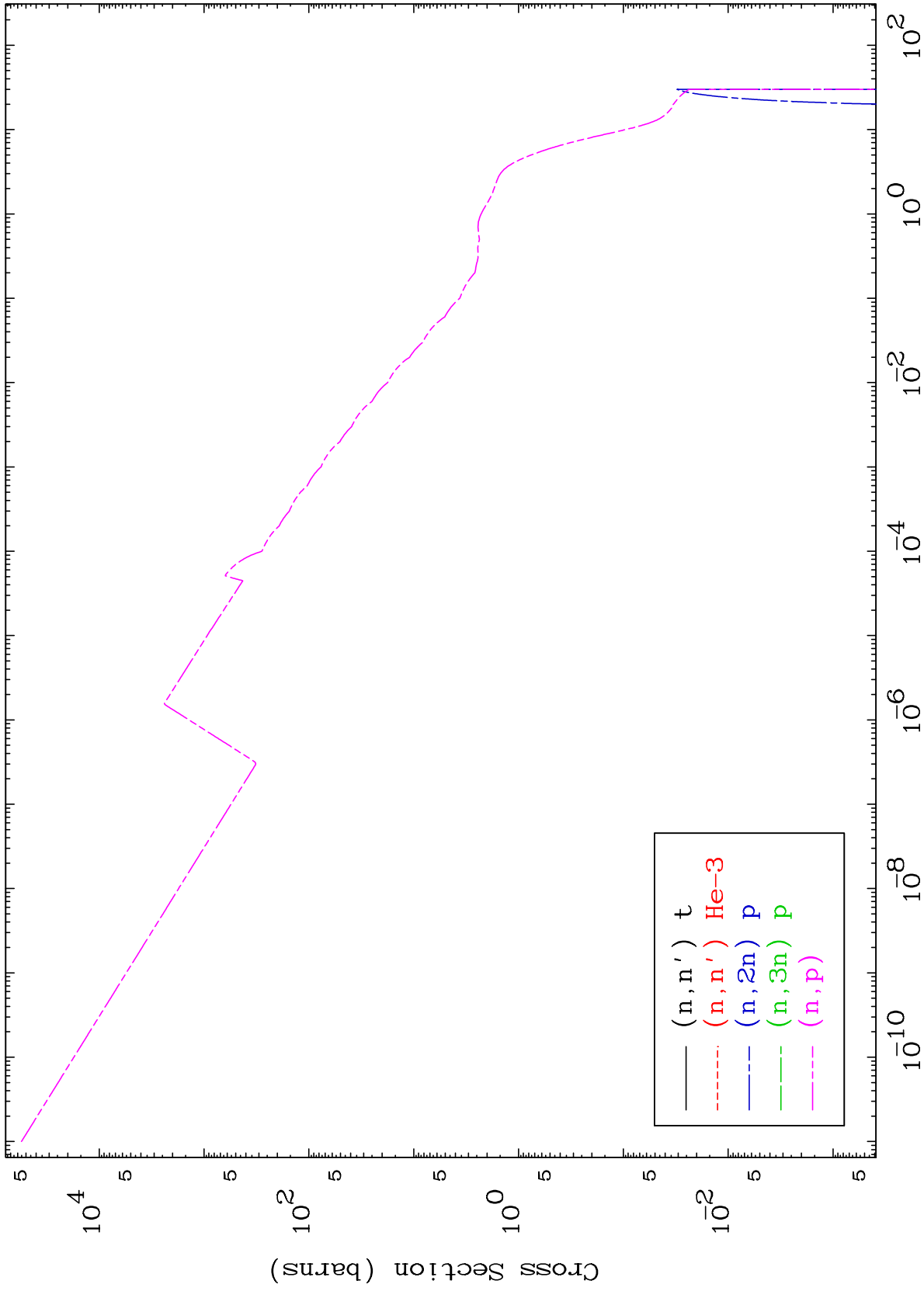


66-Dy-142

MAT 6583

Charged Particle
293 Kelvin Cross Sections

66-Dy-142



5

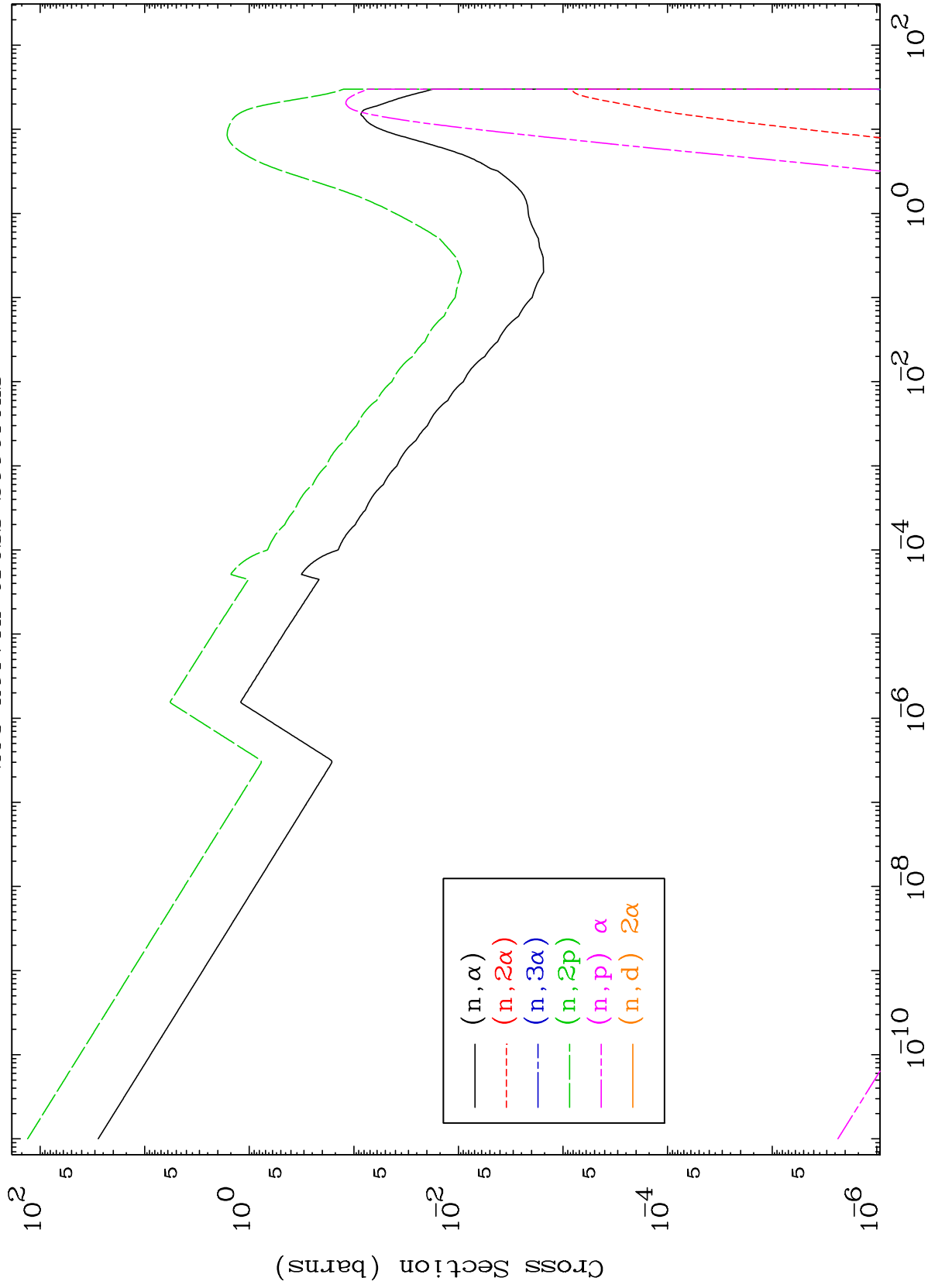
Incident Energy (MeV)

66-Dy-142

MAT 6583

Charged Particle
293 Kelvin Cross Sections

66-Dy-142



6

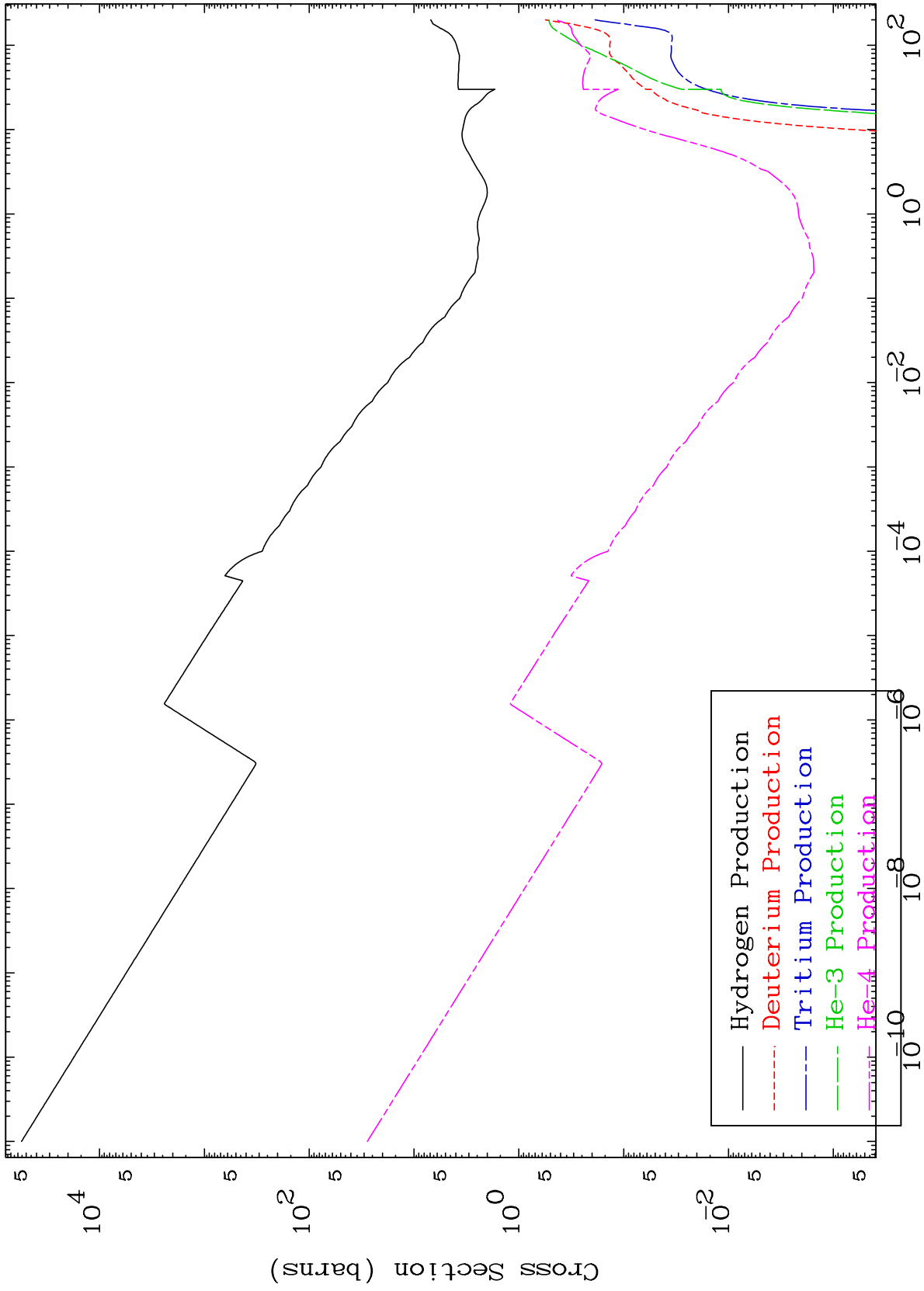
Incident Energy (MeV)

66-Dy-142

MAT 6583

Particle Production
293 Kelvin Cross Sections

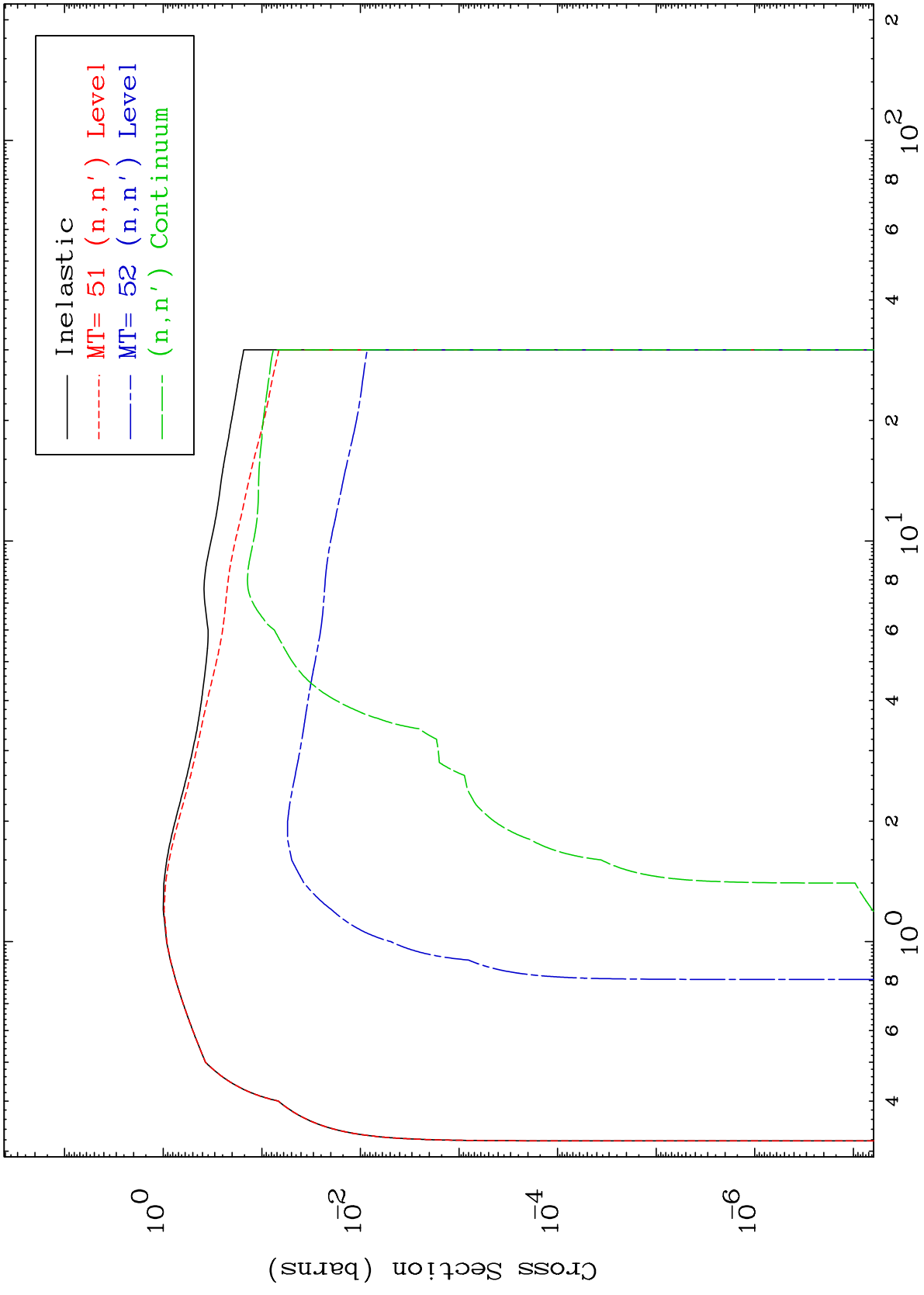
66-Dy-142



MAT 6583

(n,n') Level
293 Kelvin Cross Sections

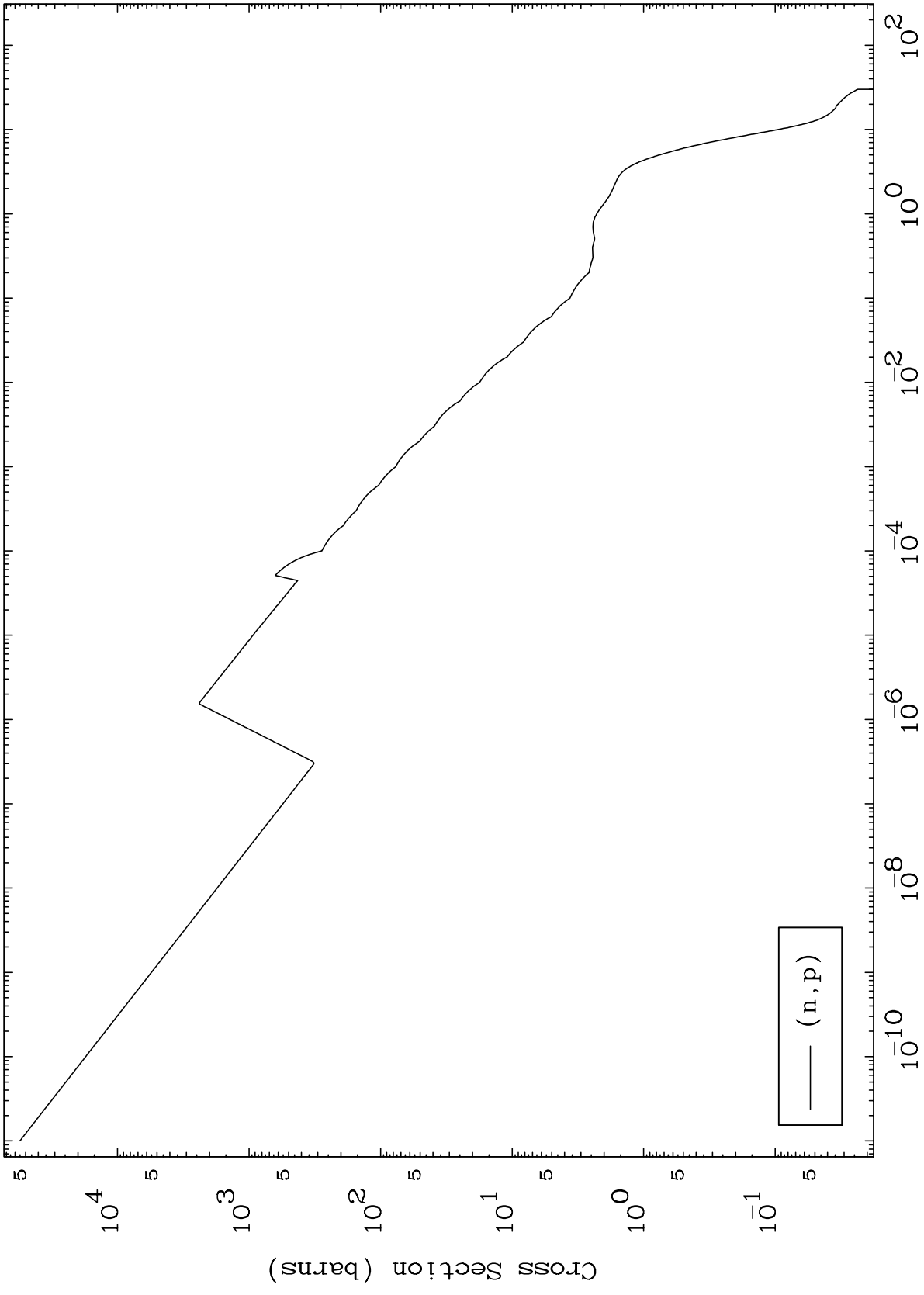
66-Dy-142



MAT 6583

(n,p) Levels
293 Kelvin Cross Sections

66-Dy-142



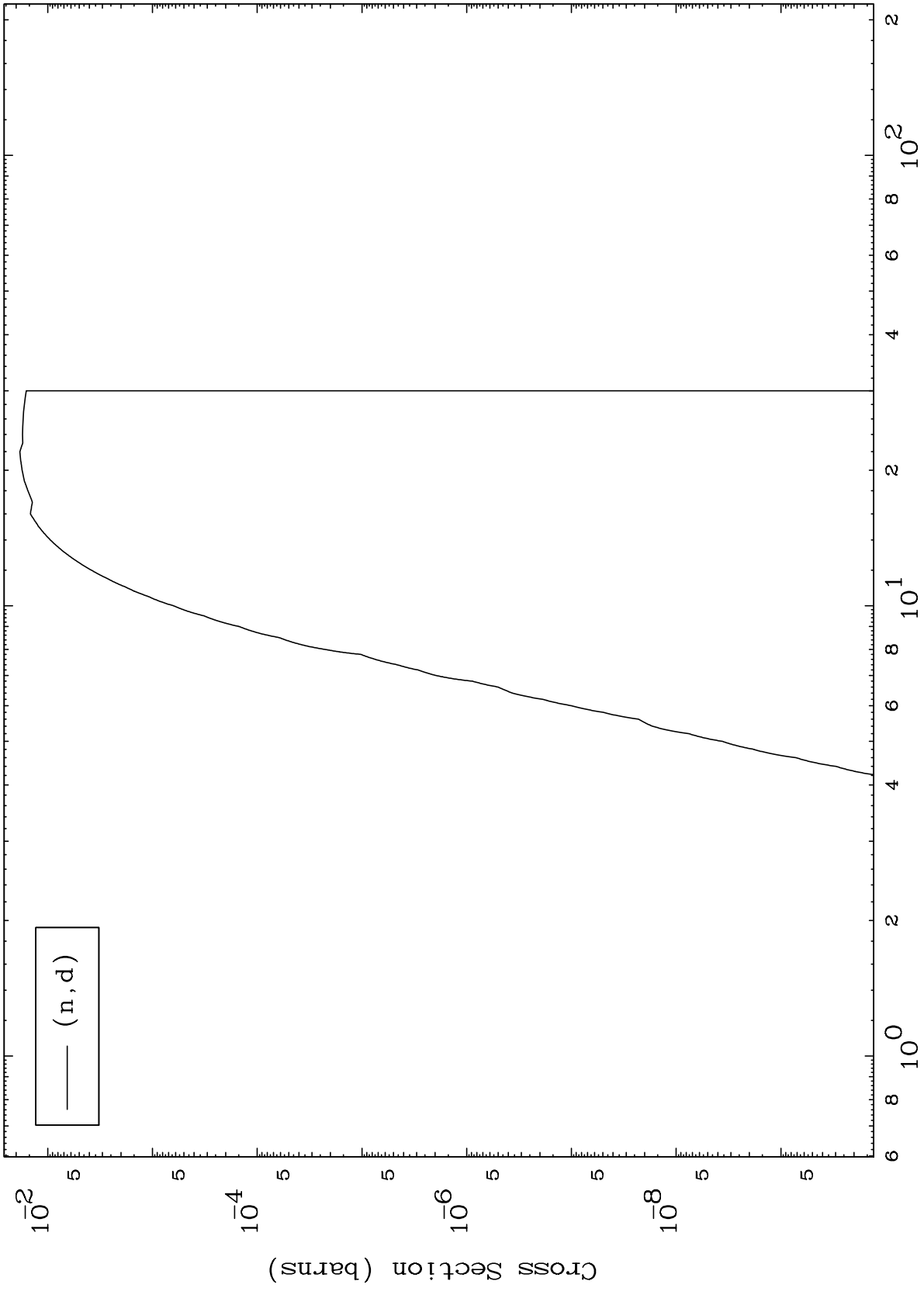
66-Dy-142

Incident Energy (MeV)

MAT 6583

(n,d) Levels
293 Kelvin Cross Sections

66-Dy-142



10

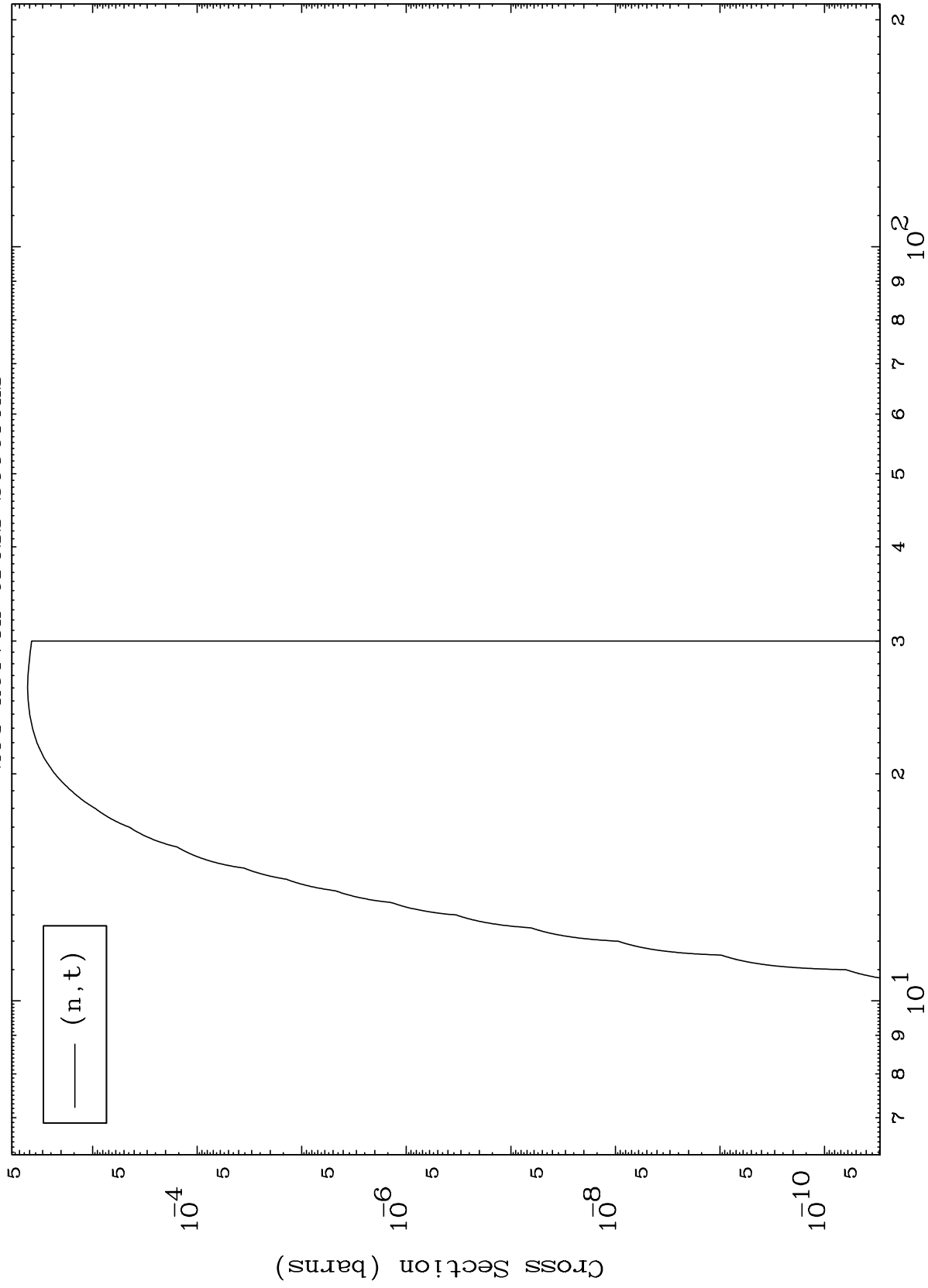
Incident Energy (MeV)

66-Dy-142

MAT 6583

(n,t) Levels
293 Kelvin Cross Sections

66-Dy-142



11

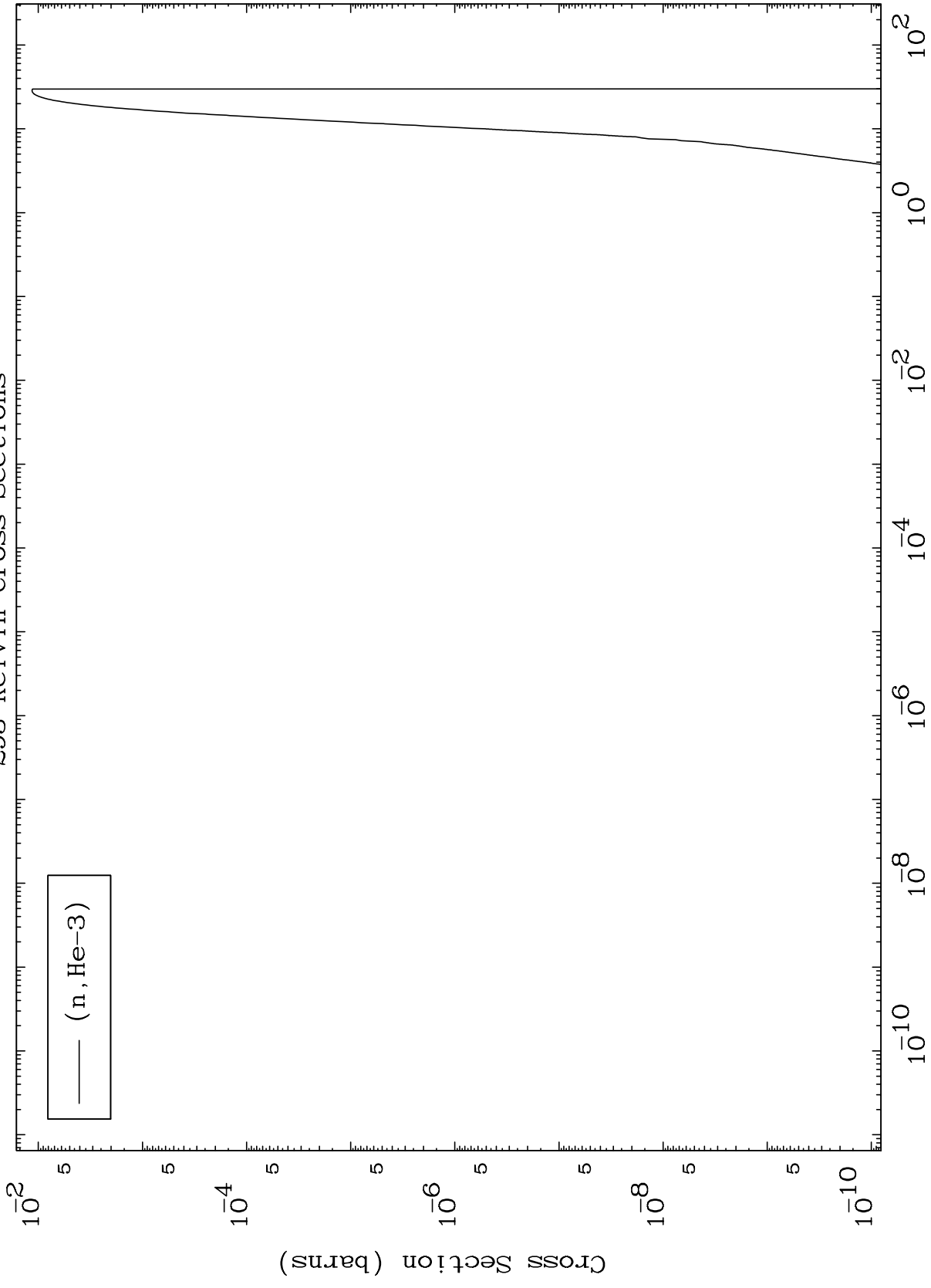
Incident Energy (MeV)

66-Dy-142

MAT 6583

(n,He3) Levels
293 Kelvin Cross Sections

66-Dy-142



12

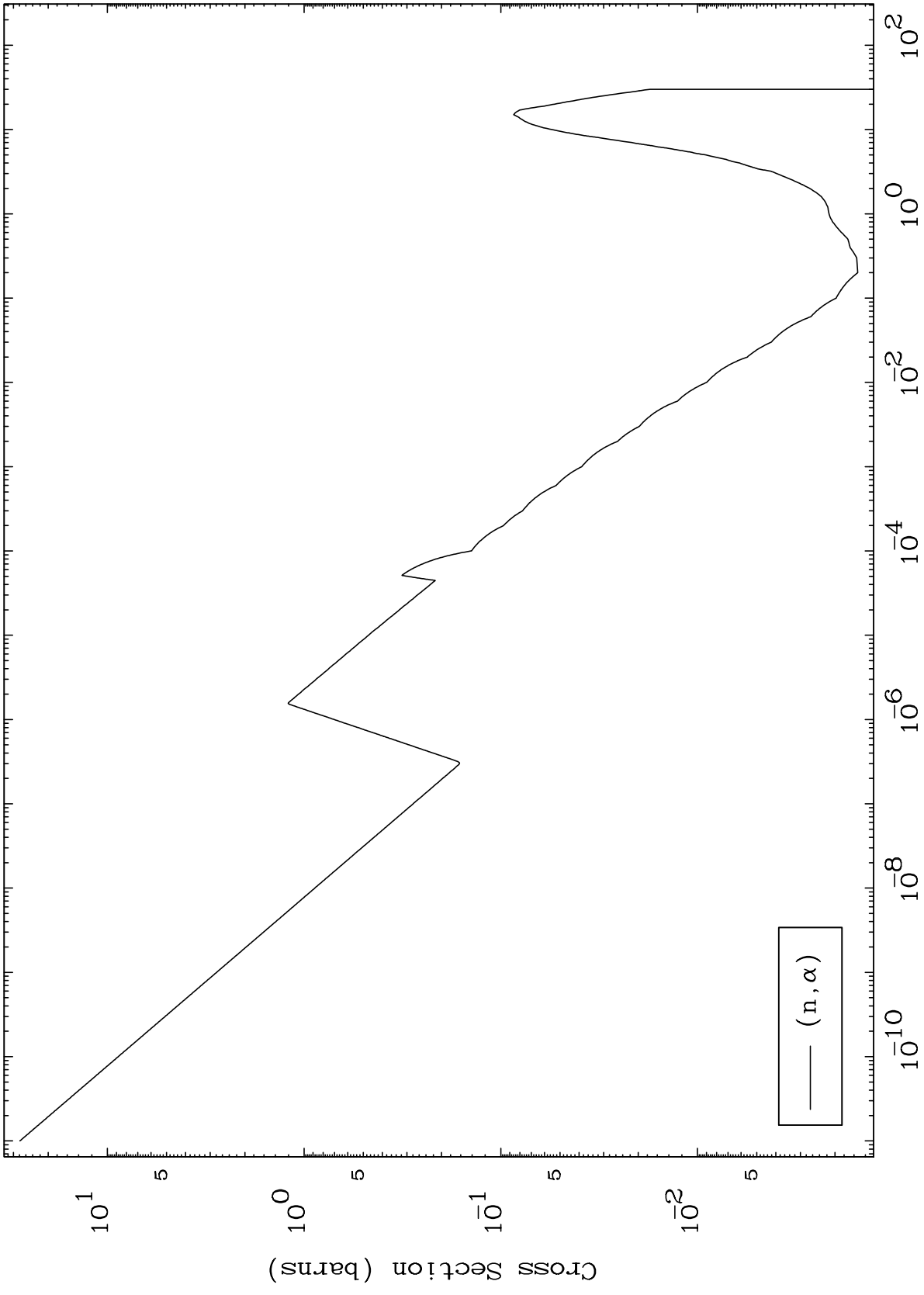
Incident Energy (MeV)

66-Dy-142

MAT 6583

(n, α) Levels
293 Kelvin Cross Sections

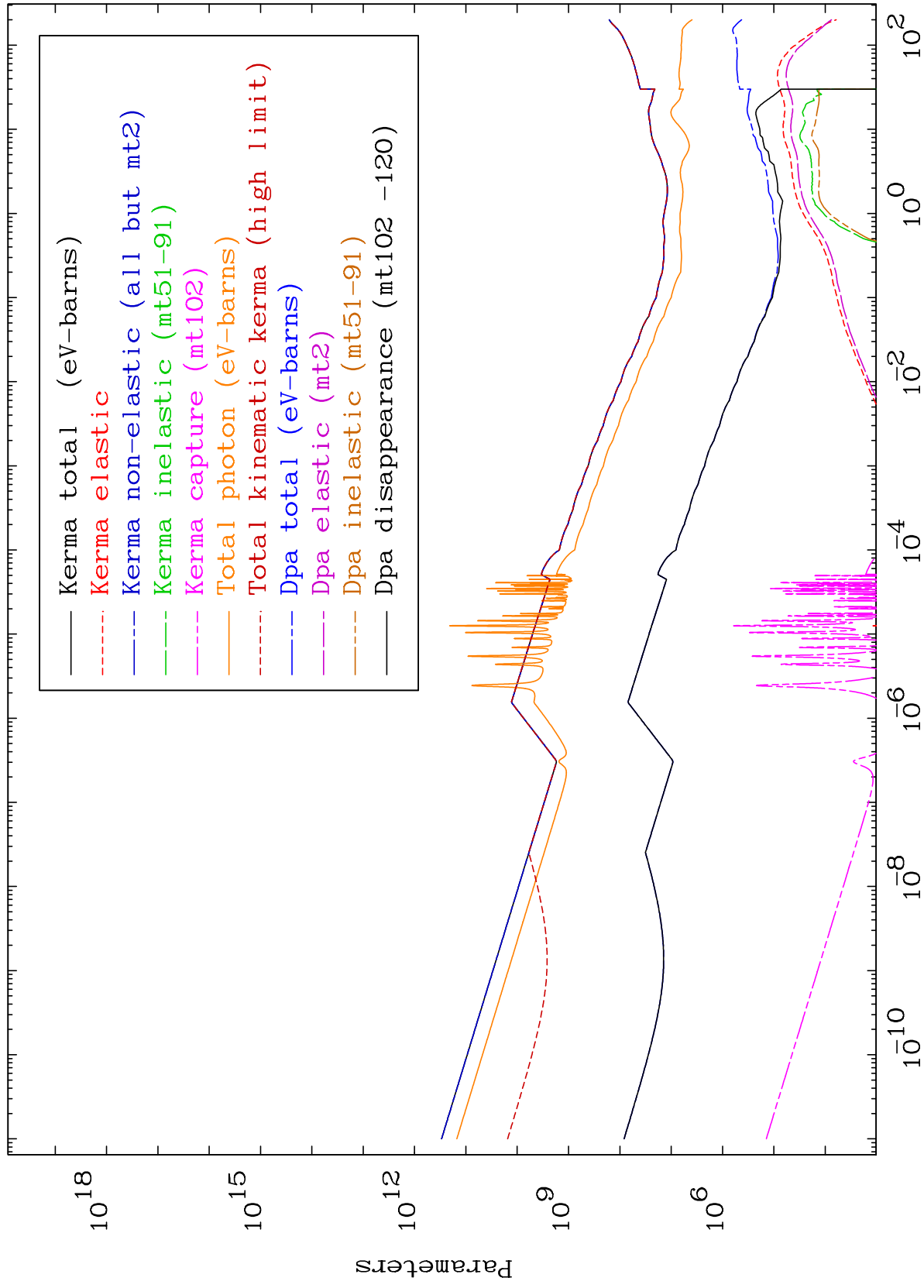
66-Dy-142



13

Incident Energy (MeV)

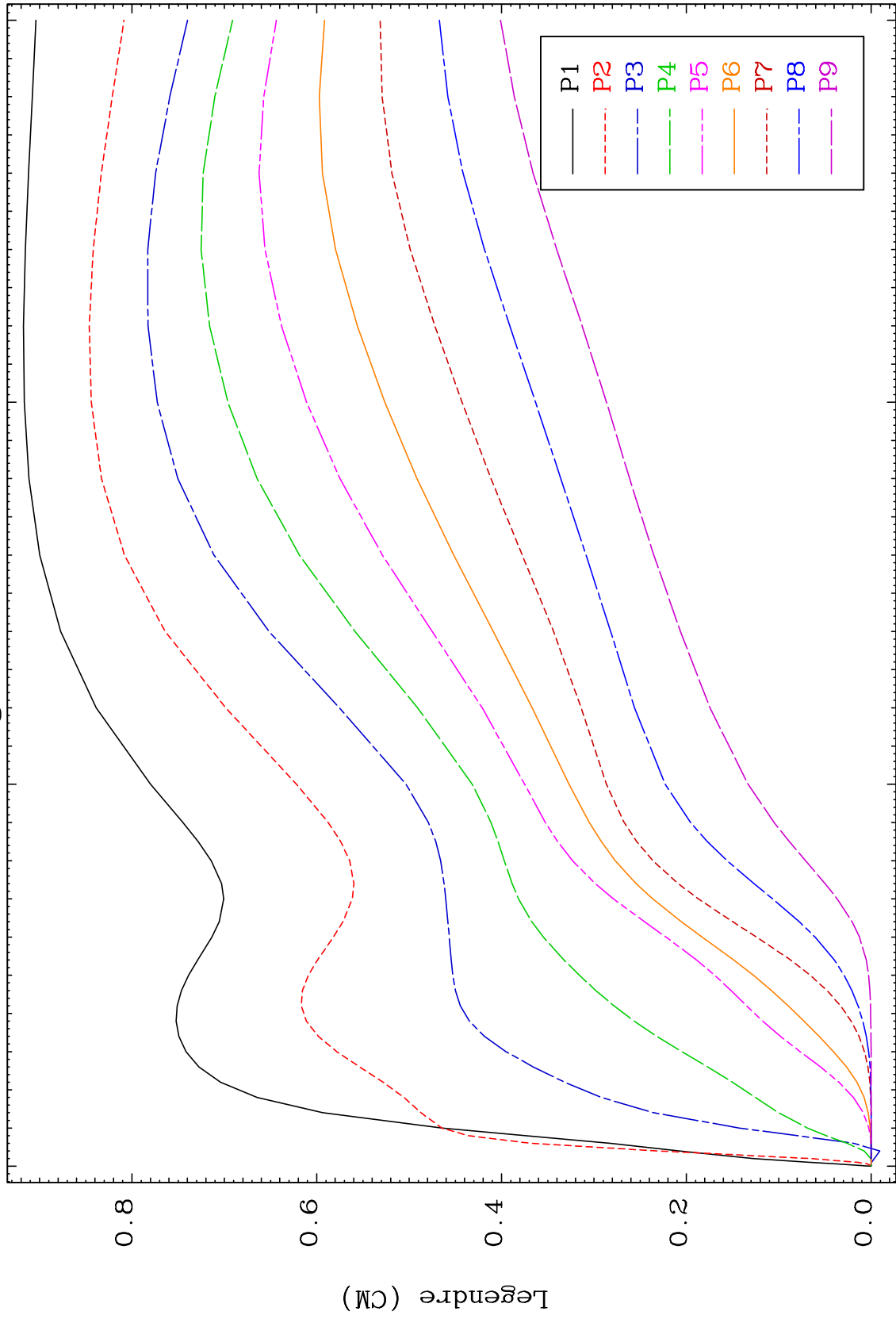
66-Dy-142



MAT 6583

Elastic Legendre Coefficients

66-Dy-142



0

15

10

20

30

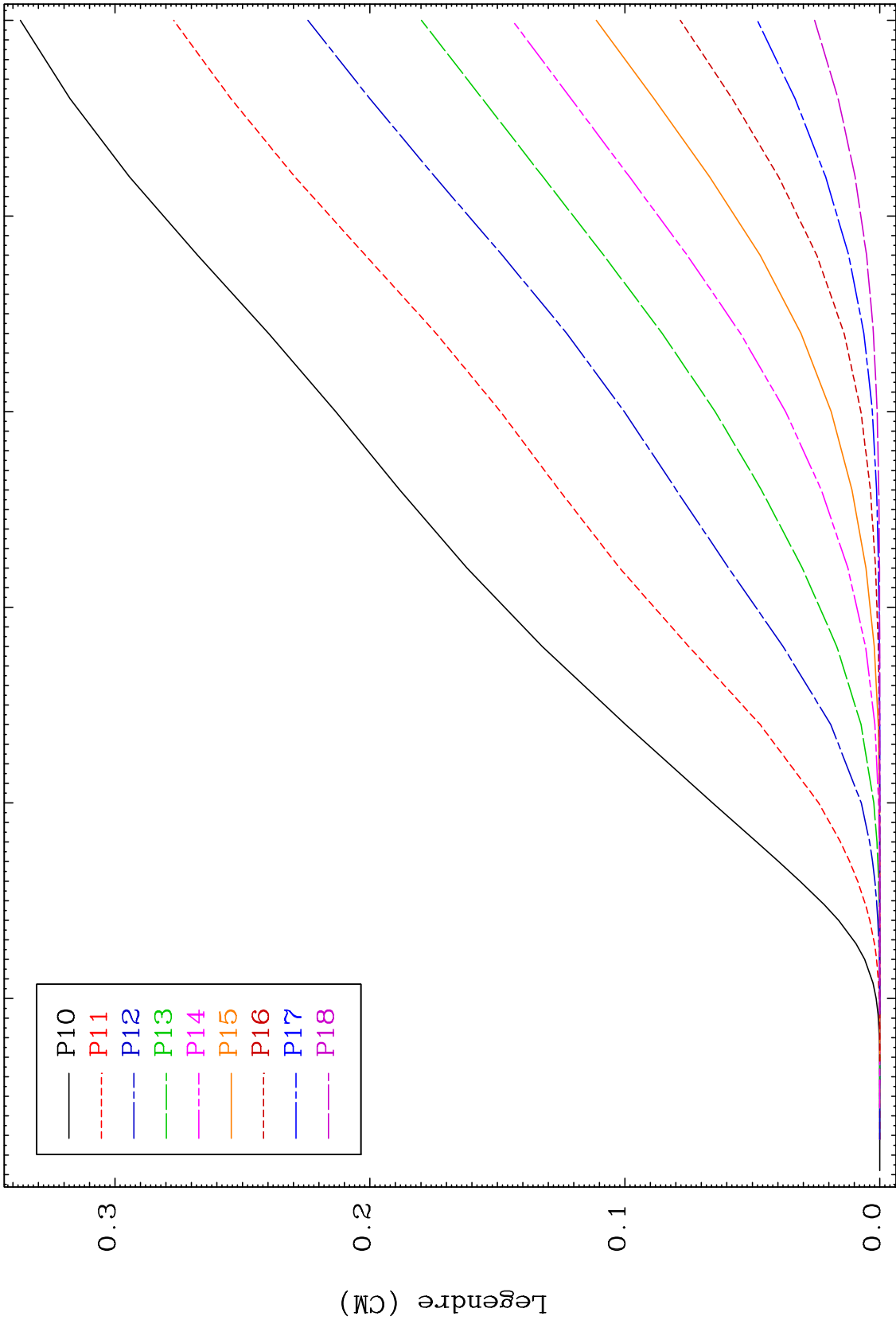
Incident Energy (MeV)

66-Dy-142

MAT 6583

Elastic Legendre Coefficients

66-Dy-142



16

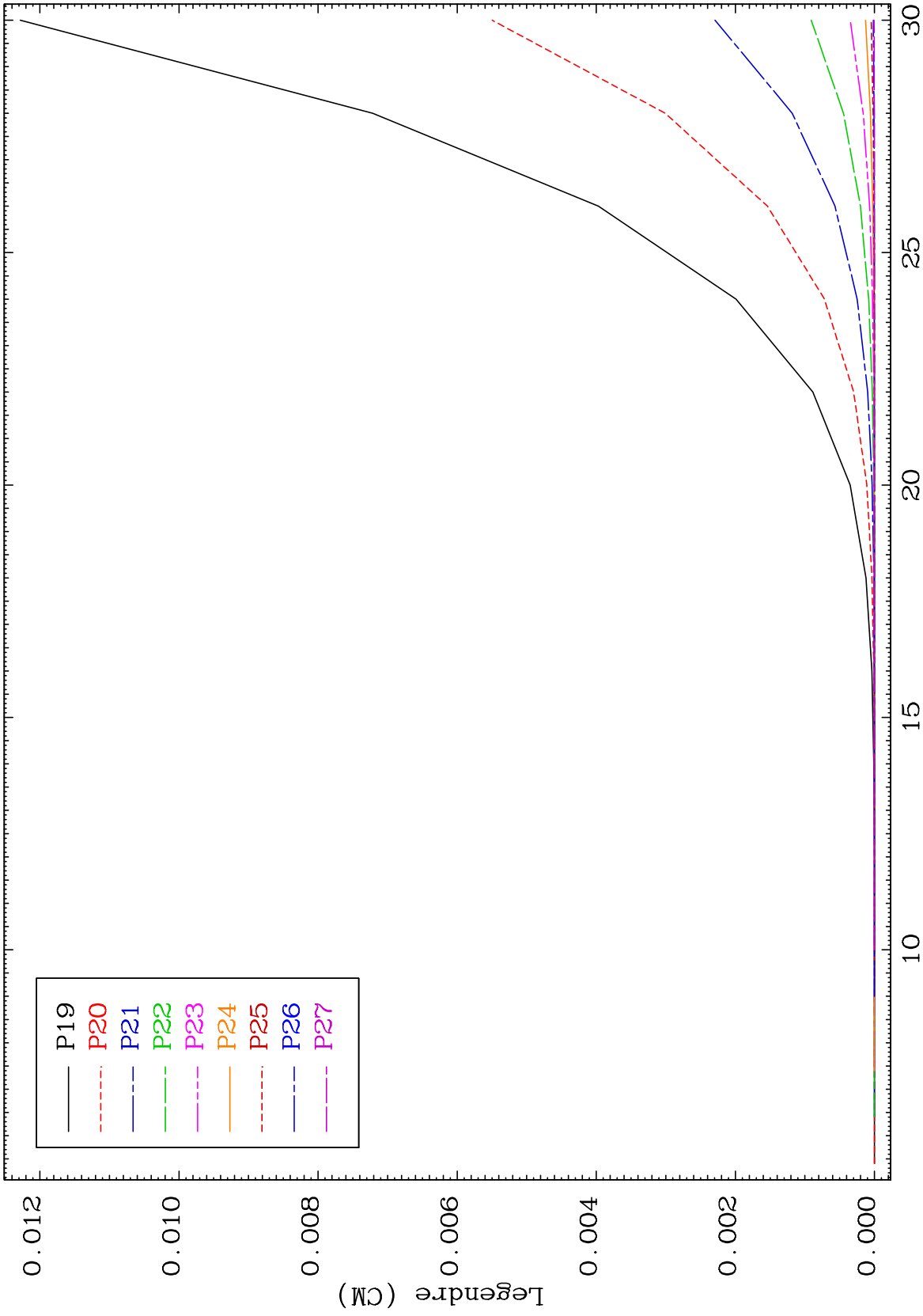
Incident Energy (MeV)

66-Dy-142

MAT 6583

Elastic Legendre Coefficients

66-Dy-142



17

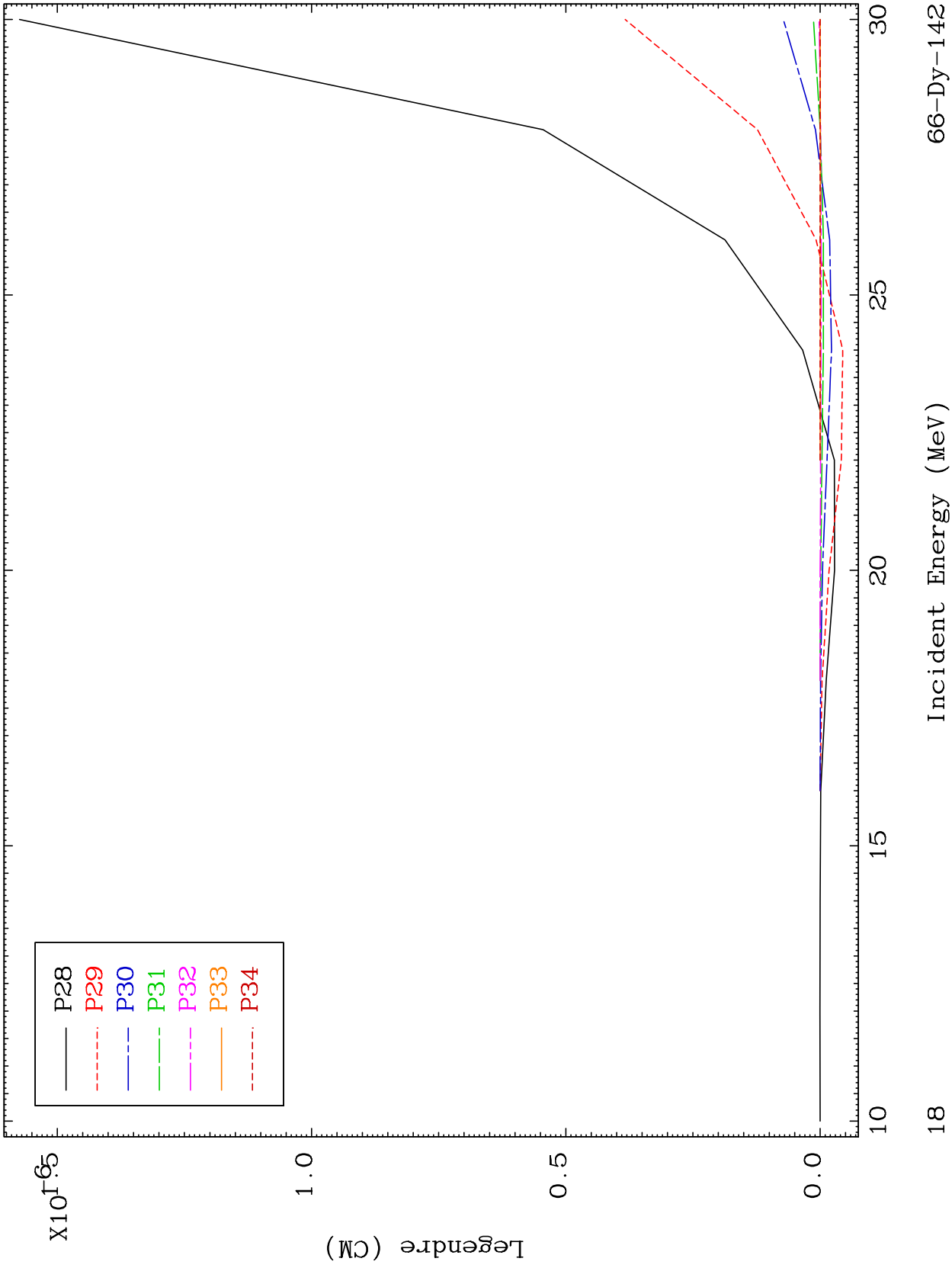
Incident Energy (MeV)

66-Dy-142

MAT 6583

Elastic Legendre Coefficients

66-Dy-142



18

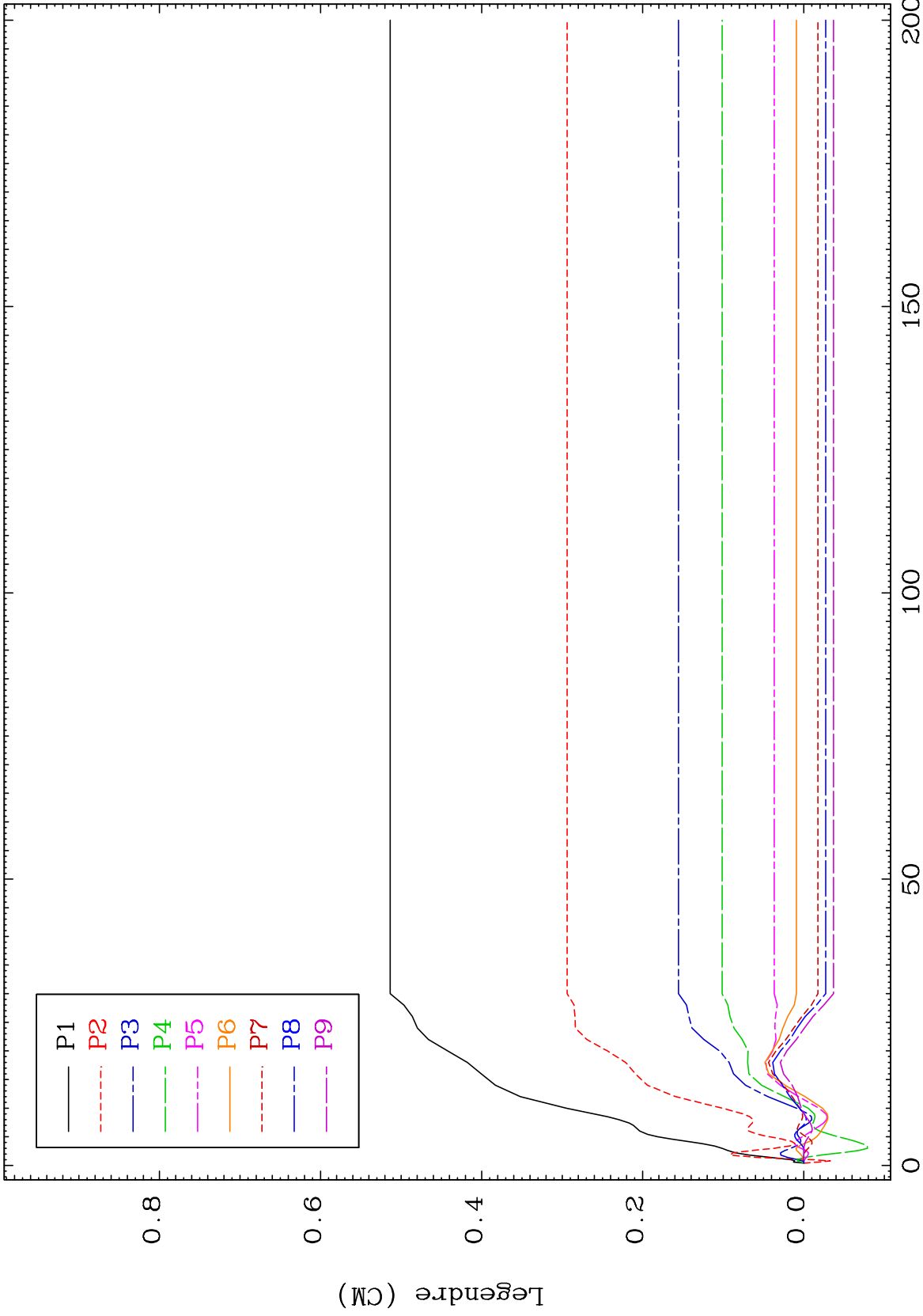
Incident Energy (MeV)

66-Dy-142

MAT 6583

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

66-Dy-142



19

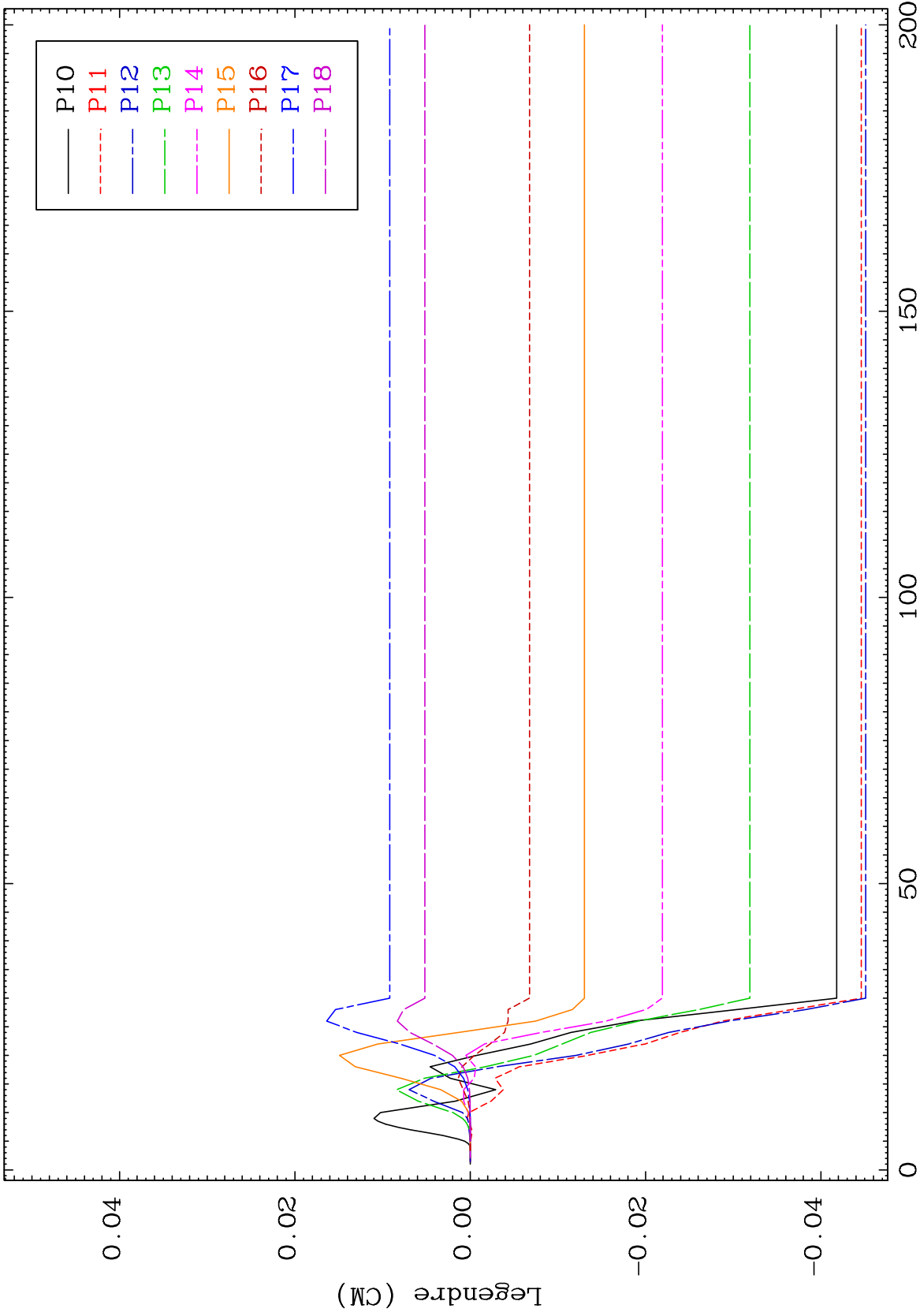
Incident Energy (MeV)

66-Dy-142

MAT 6583

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

66-Dy-142



0

50

100

150

200

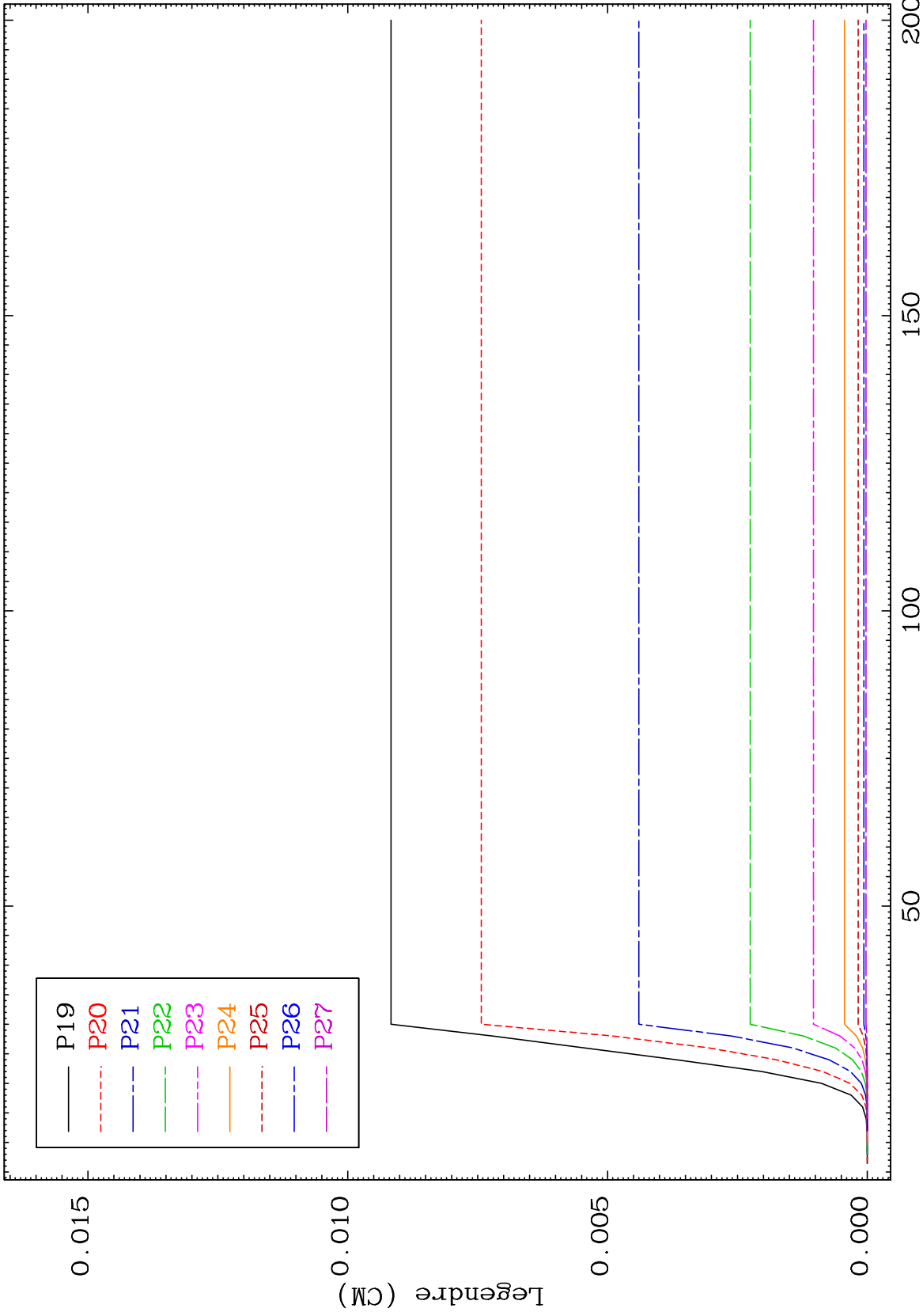
Incident Energy (MeV)

66-Dy-142

MAT 6583

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

66-Dy-142



21

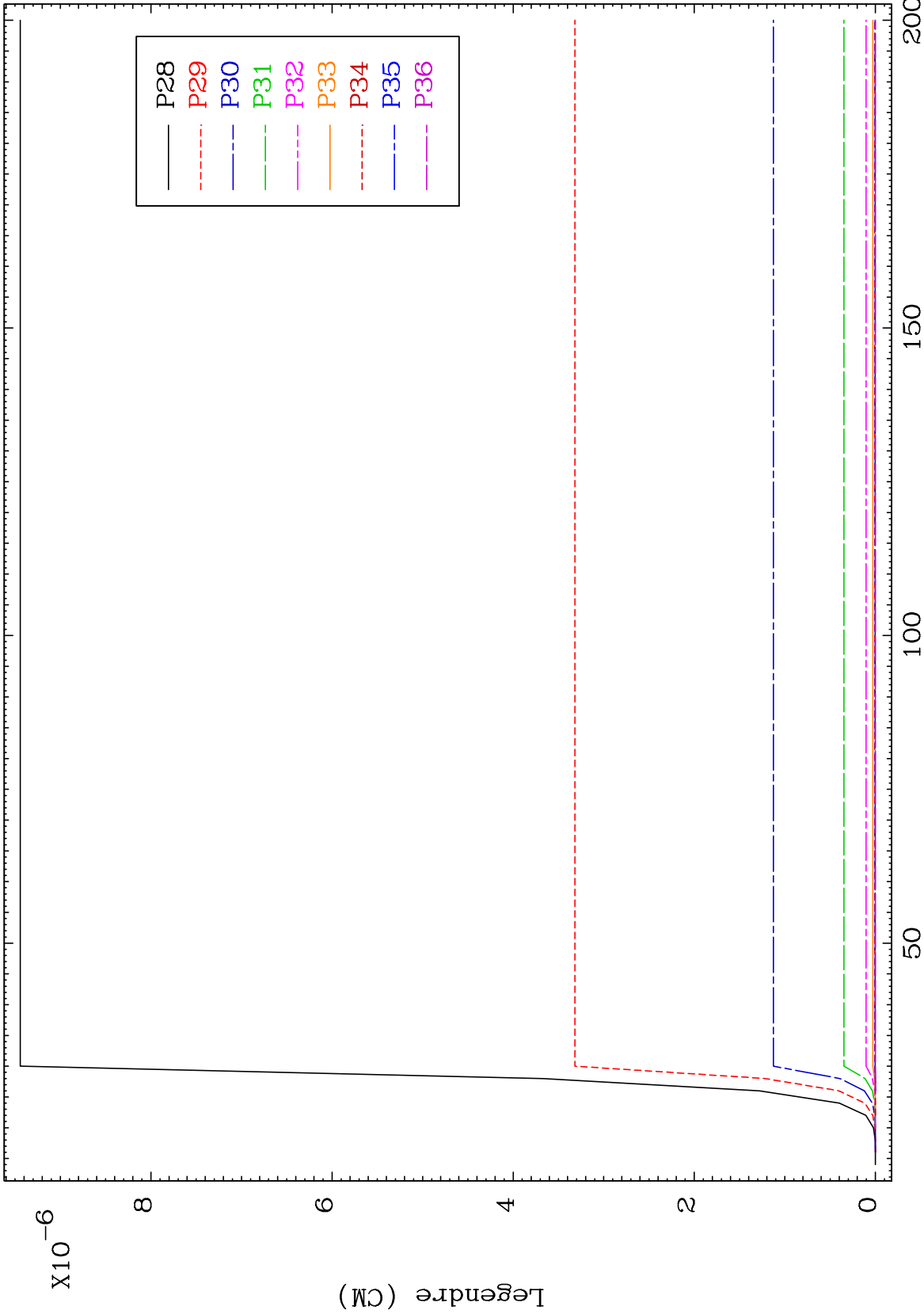
Incident Energy (MeV)

66-Dy-142

MAT 6583

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

66-Dy-142



22

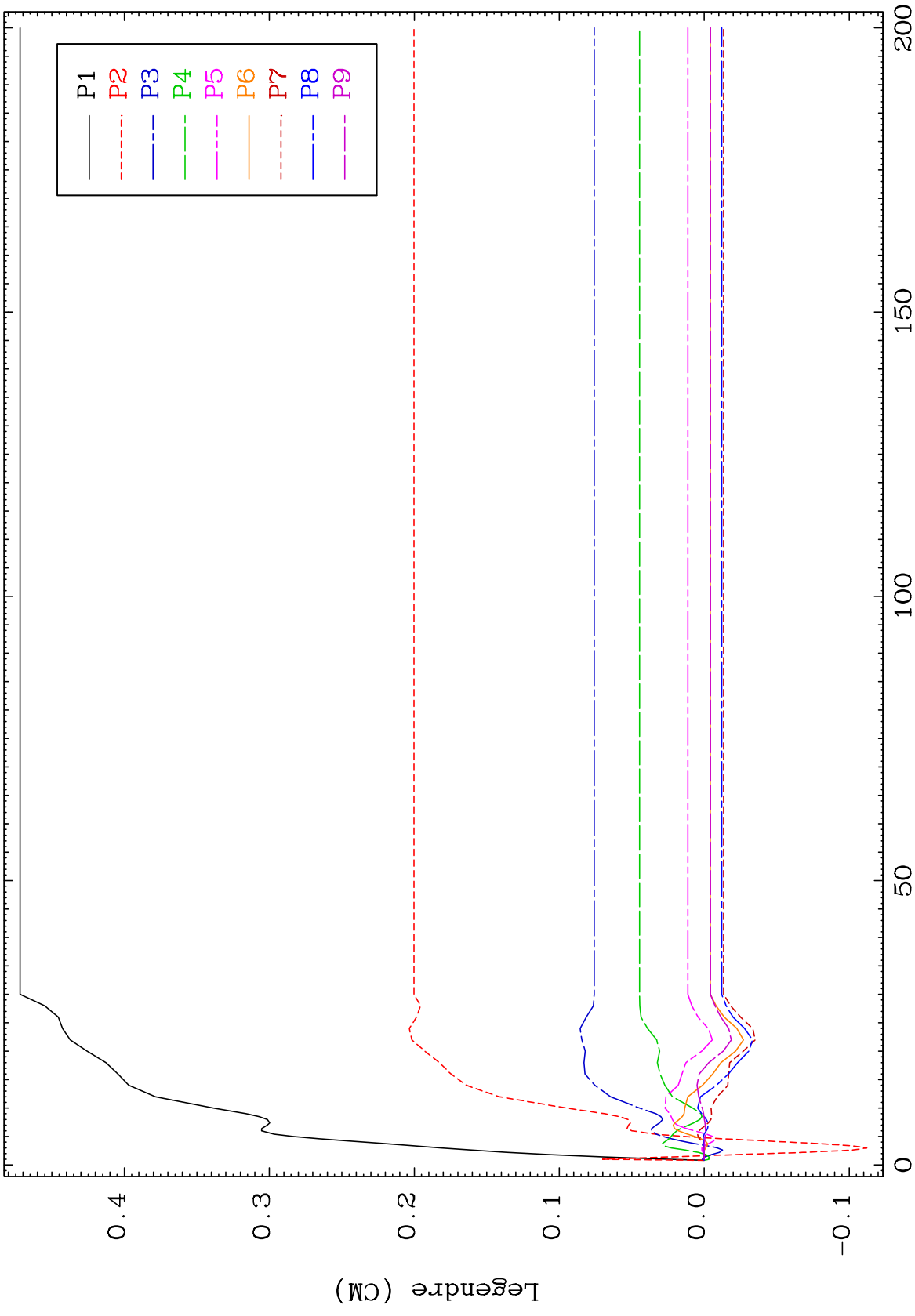
Incident Energy (MeV)

66-Dy-142

MAT 6583

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

66-Dy-142



23

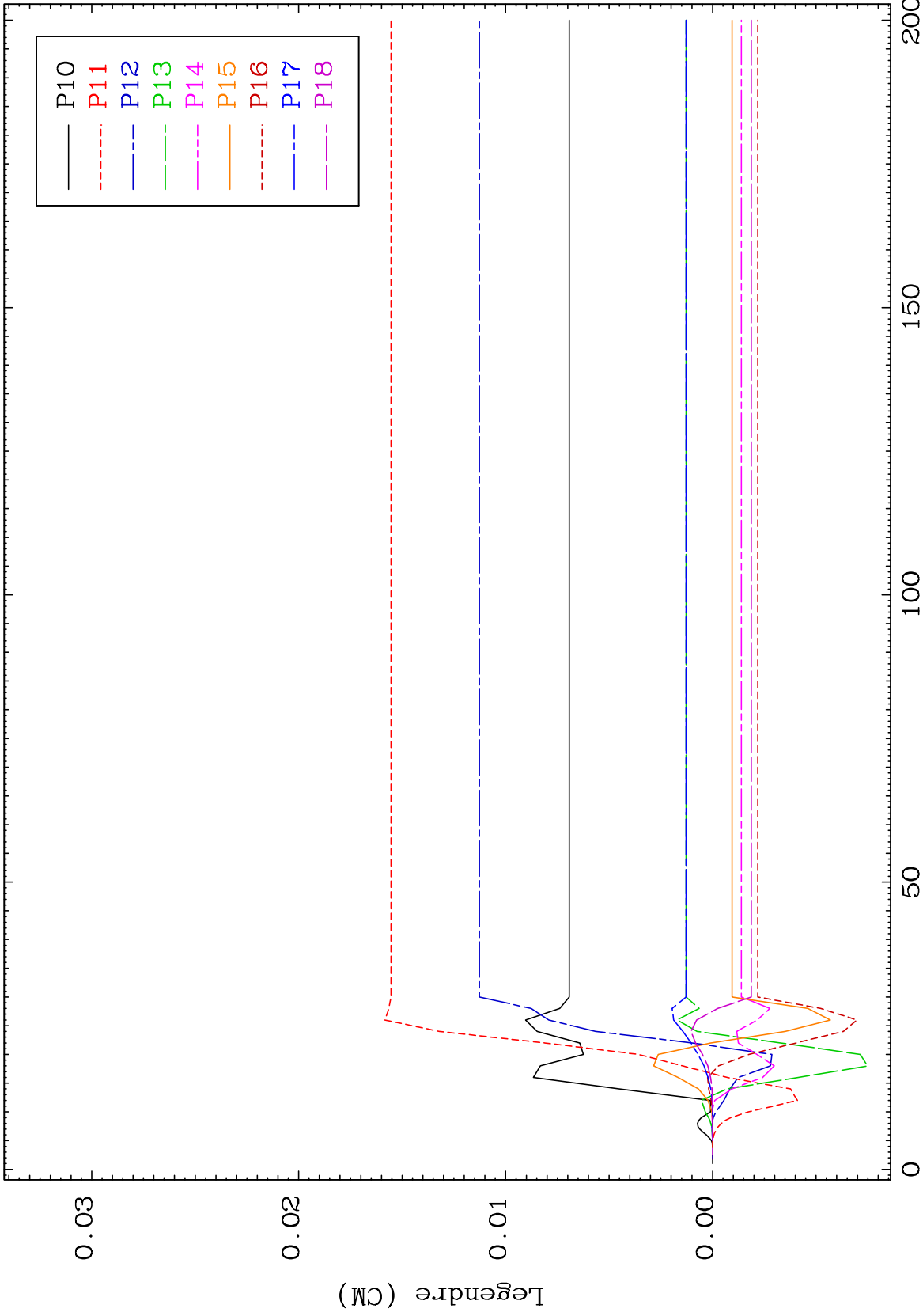
Incident Energy (MeV)

66-Dy-142

MAT 6583

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

66-Dy-142



24

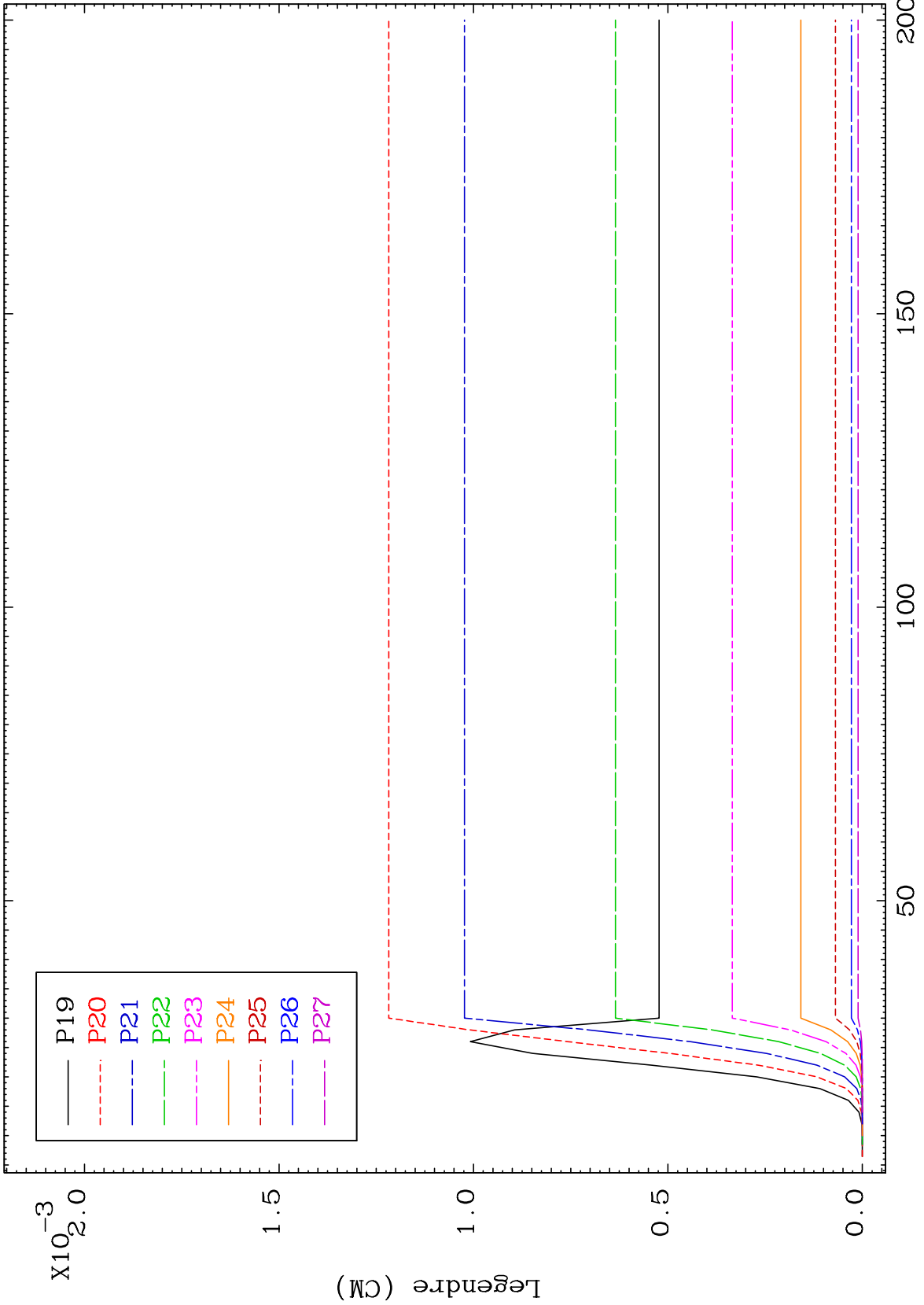
Incident Energy (MeV)

66-Dy-142

MAT 6583

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

66-Dy-142



25

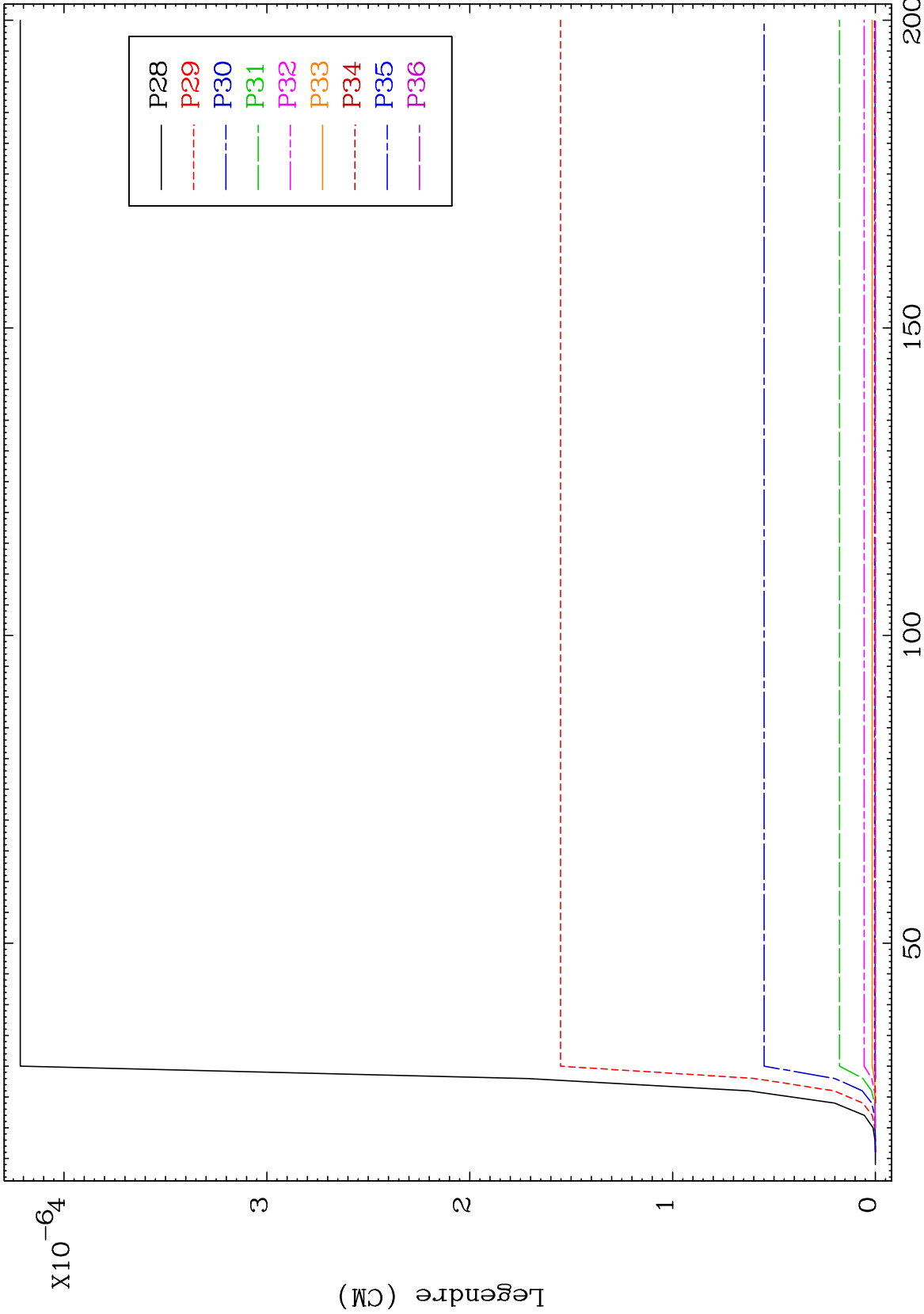
Incident Energy (MeV)

66-Dy-142

MAT 6583

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

66-Dy-142



26

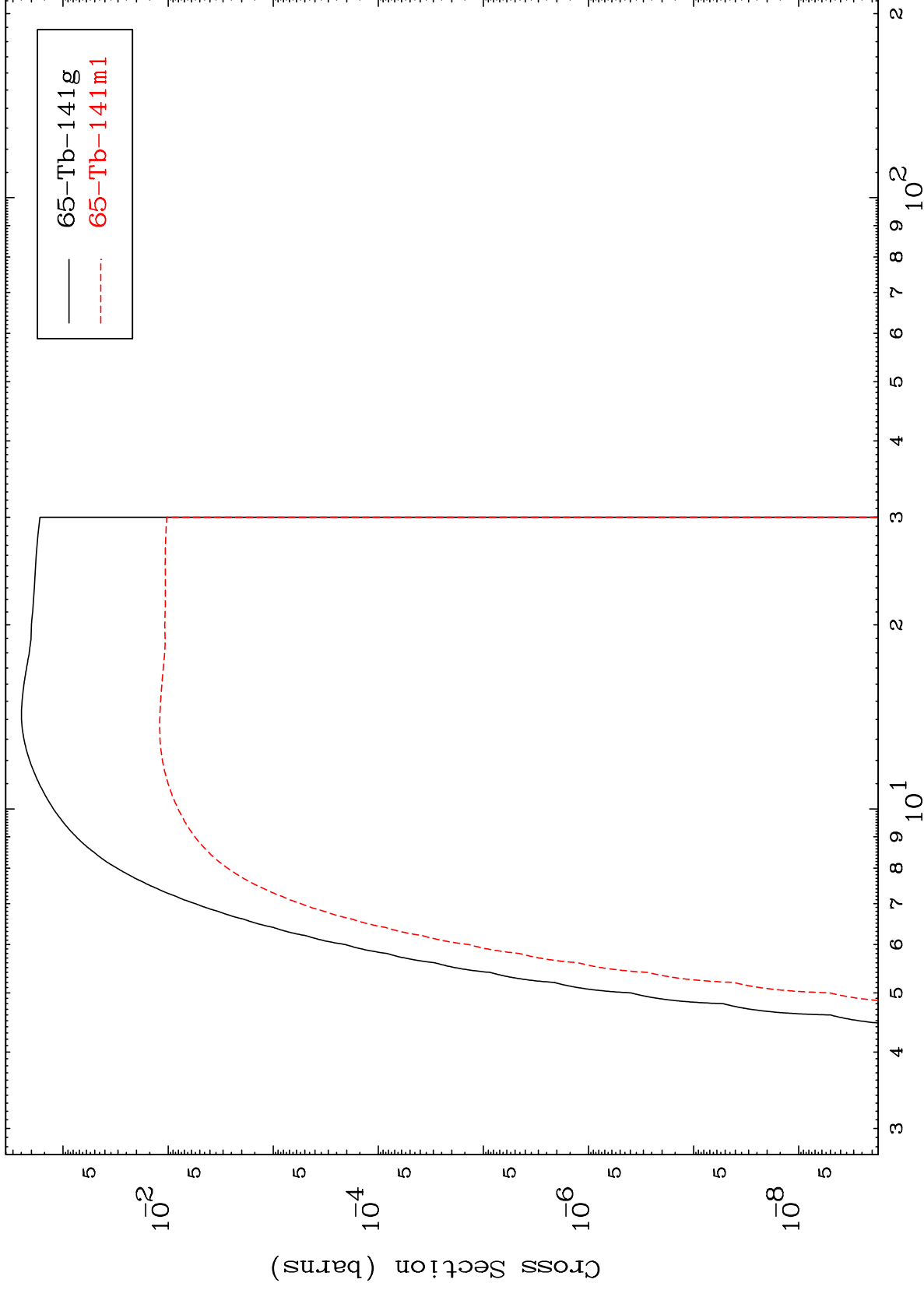
66-Dy-142

MAT 6583

(n,n') p

66-Dy-142

Radionuclide Production Cross Section



27

Incident Energy (MeV)

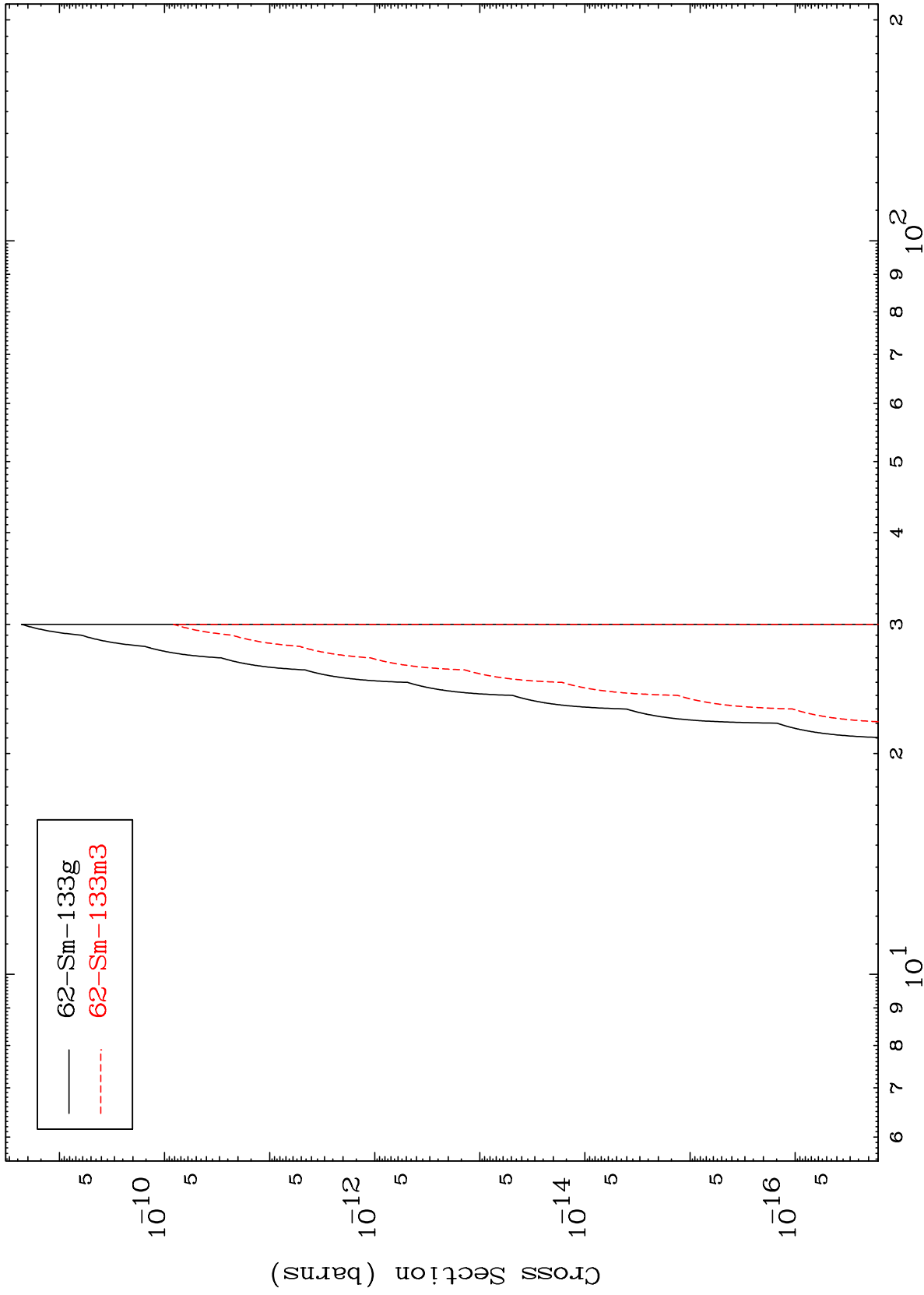
66-Dy-142

MAT 6583

(n,2n) 2 α

66-Dy-142

Radionuclide Production Cross Section



28

Incident Energy (MeV)

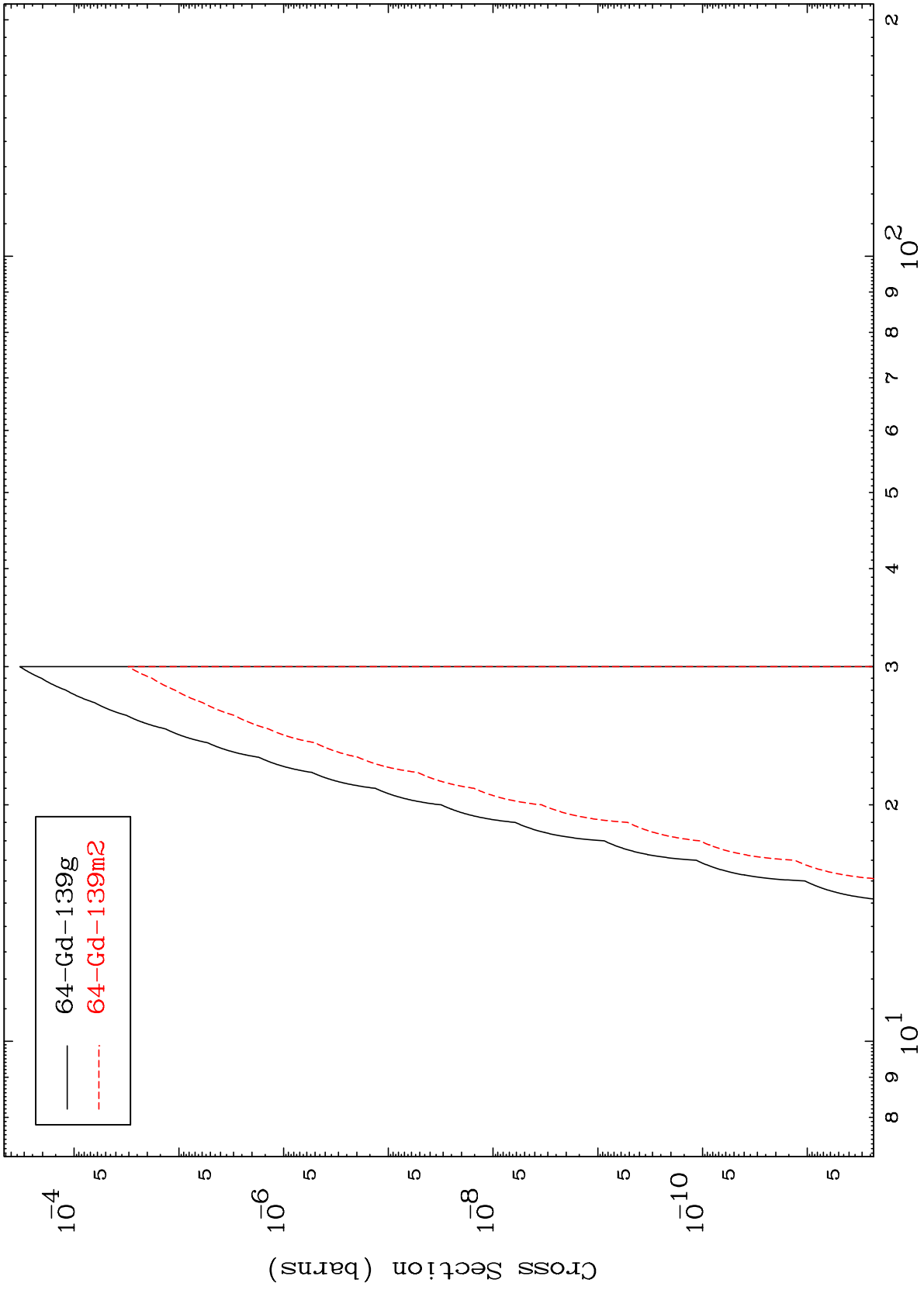
66-Dy-142

MAT 6583

(n, n') He-3

66-Dy-142

Radionuclide Production Cross Section



29

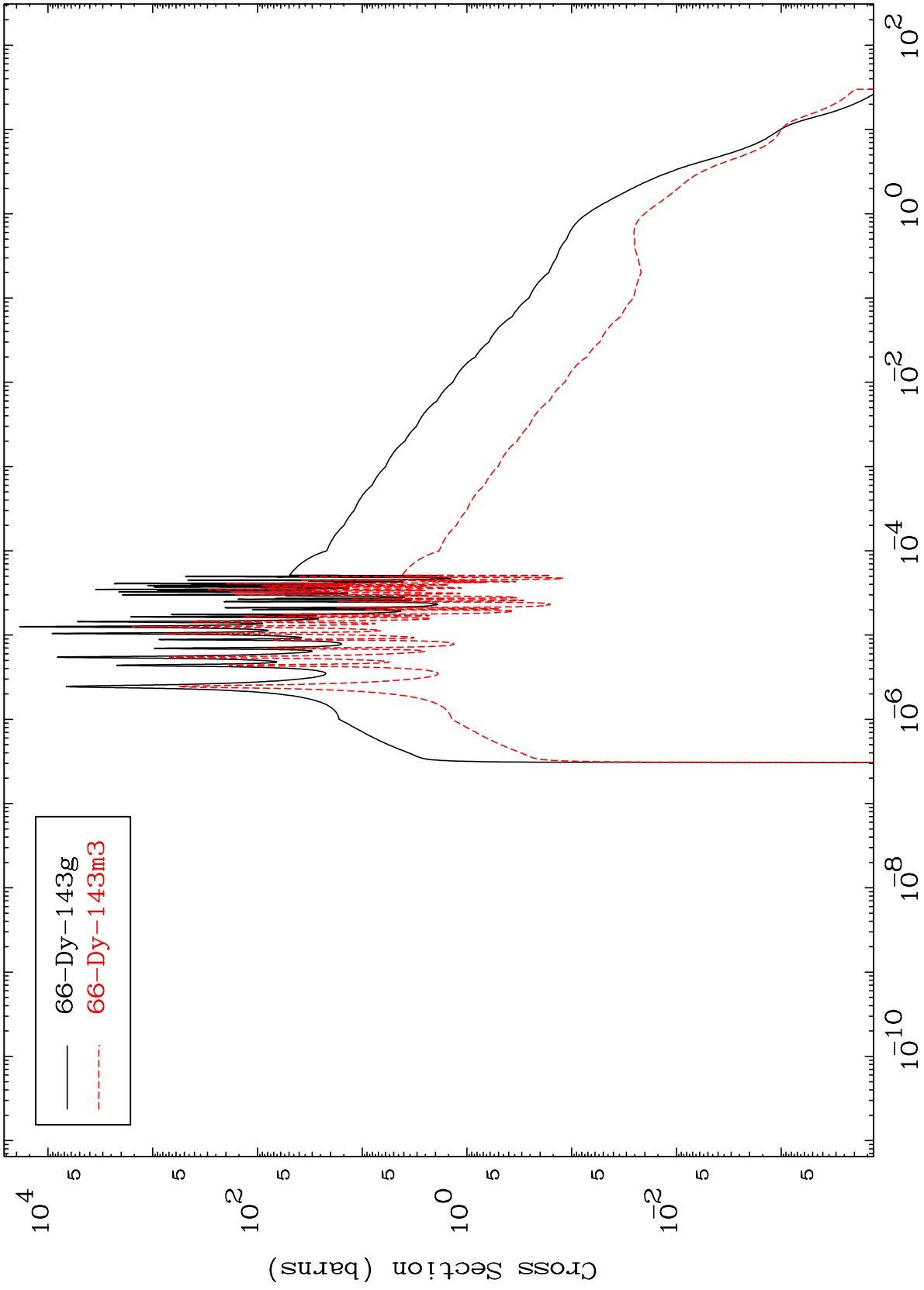
Incident Energy (MeV)

66-Dy-142

MAT 6583

Radionuclide Production Cross Section
(n, γ)

66-Dy-142



30

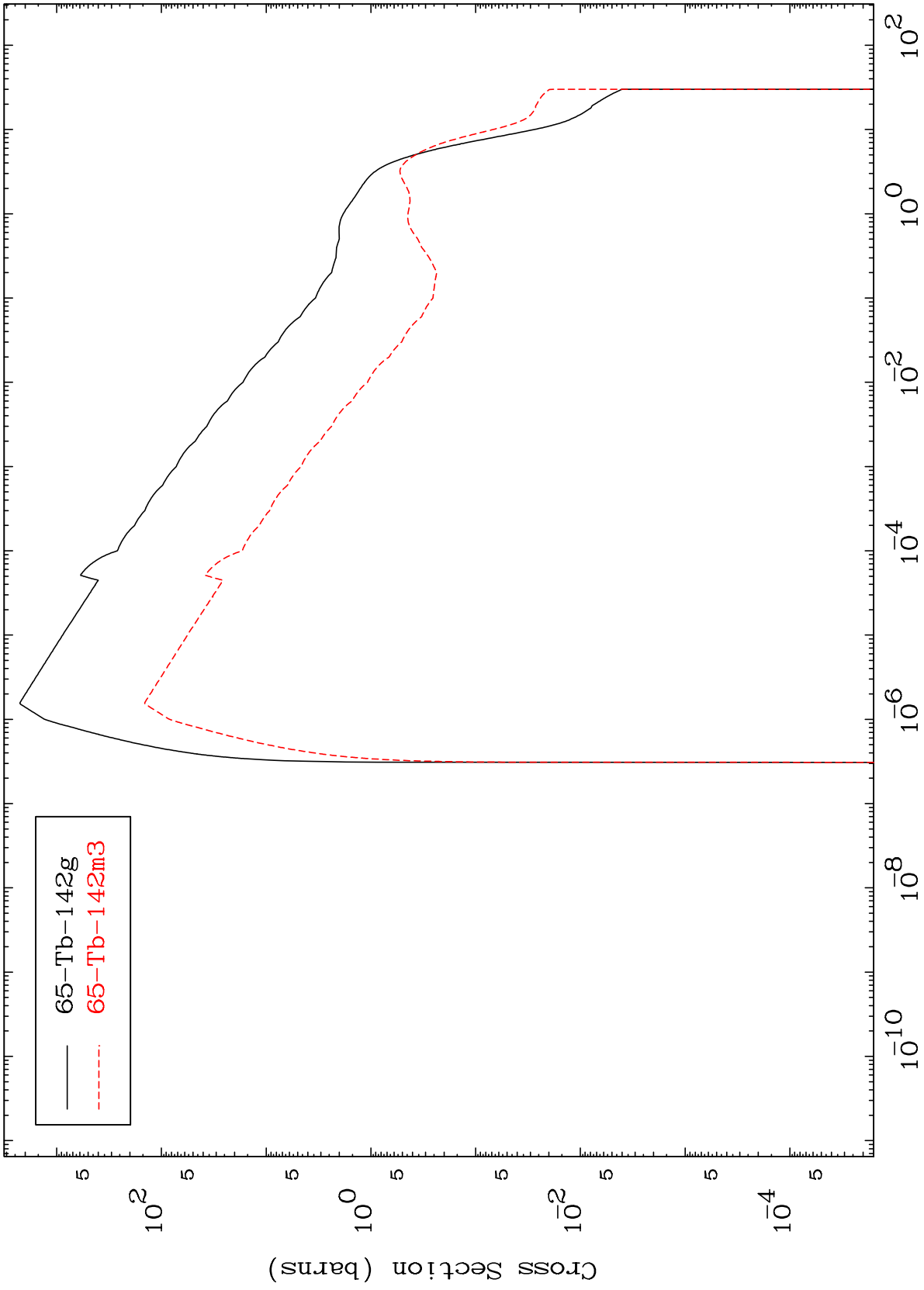
Incident Energy (MeV)

66-Dy-142

MAT 6583

Radionuclide Production Cross Section
(n,p)

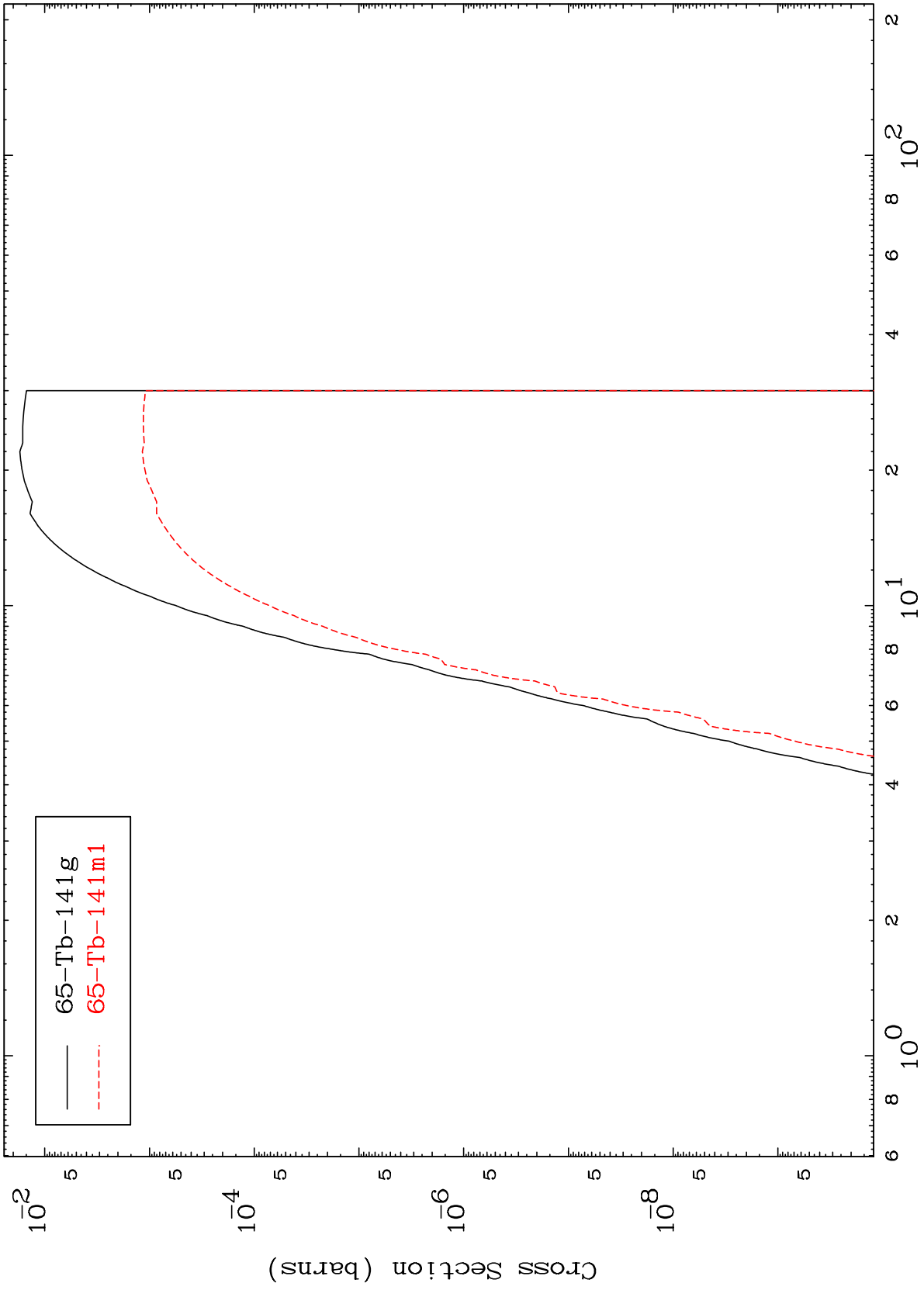
66-Dy-142



MAT 6583

(n,d)
Radionuclide Production Cross Section

66-Dy-142



32

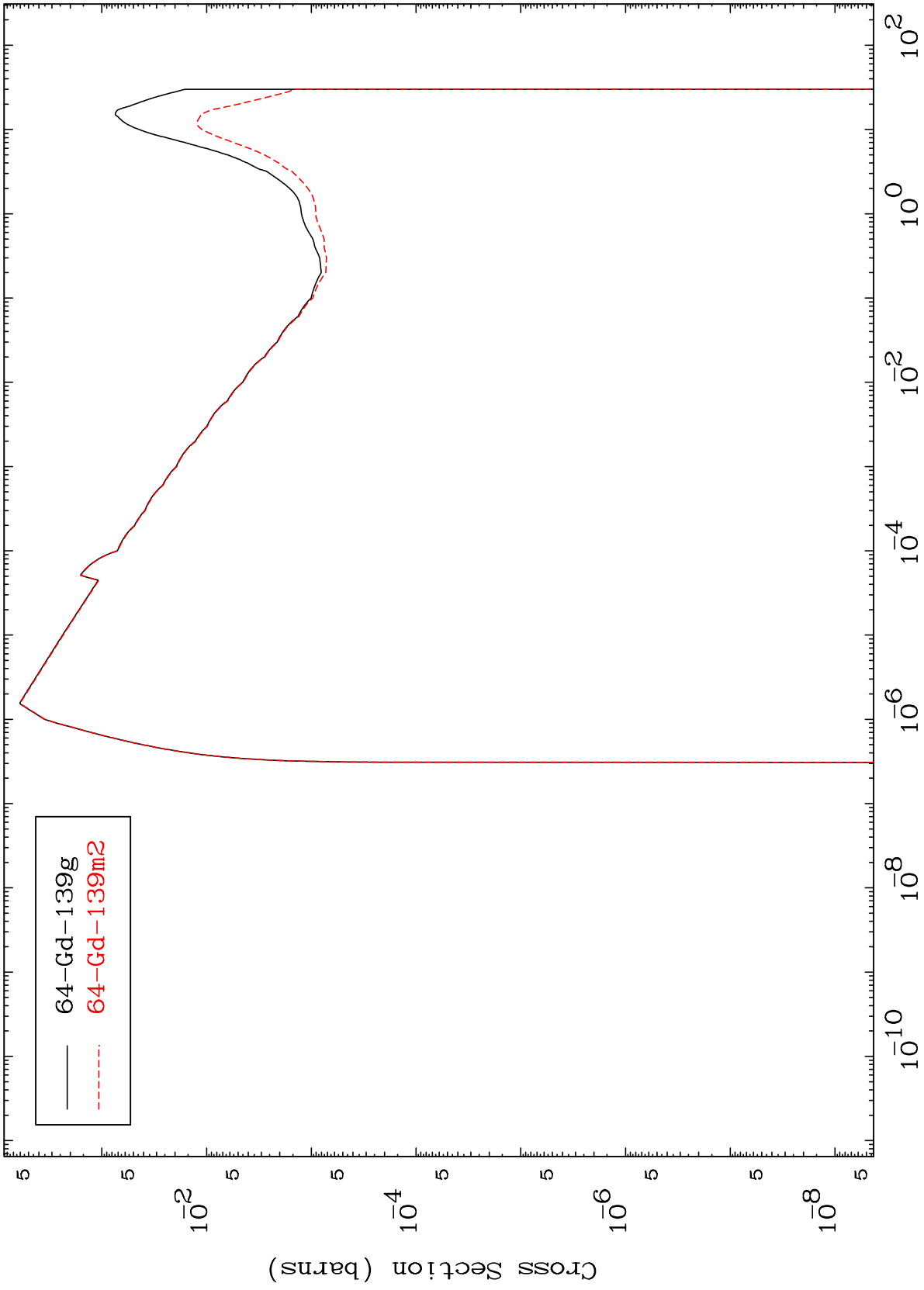
Incident Energy (MeV)

66-Dy-142

MAT 6583

(n, α)
Radionuclide Production Cross Section

66-Dy-142



33

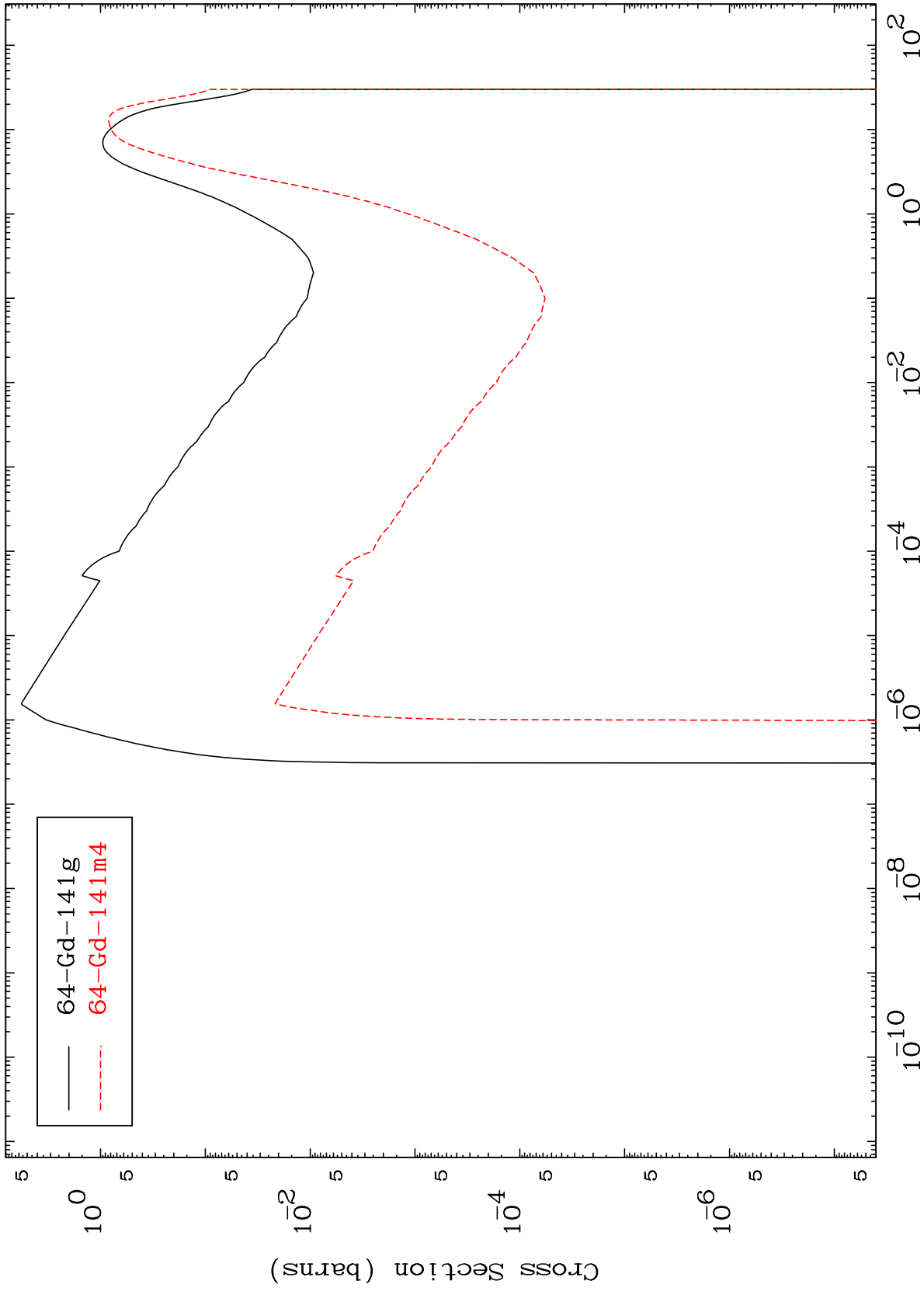
Incident Energy (MeV)

66-Dy-142

MAT 6583

66-Dy-142

Radionuclide Production Cross Section (n,2p)



34

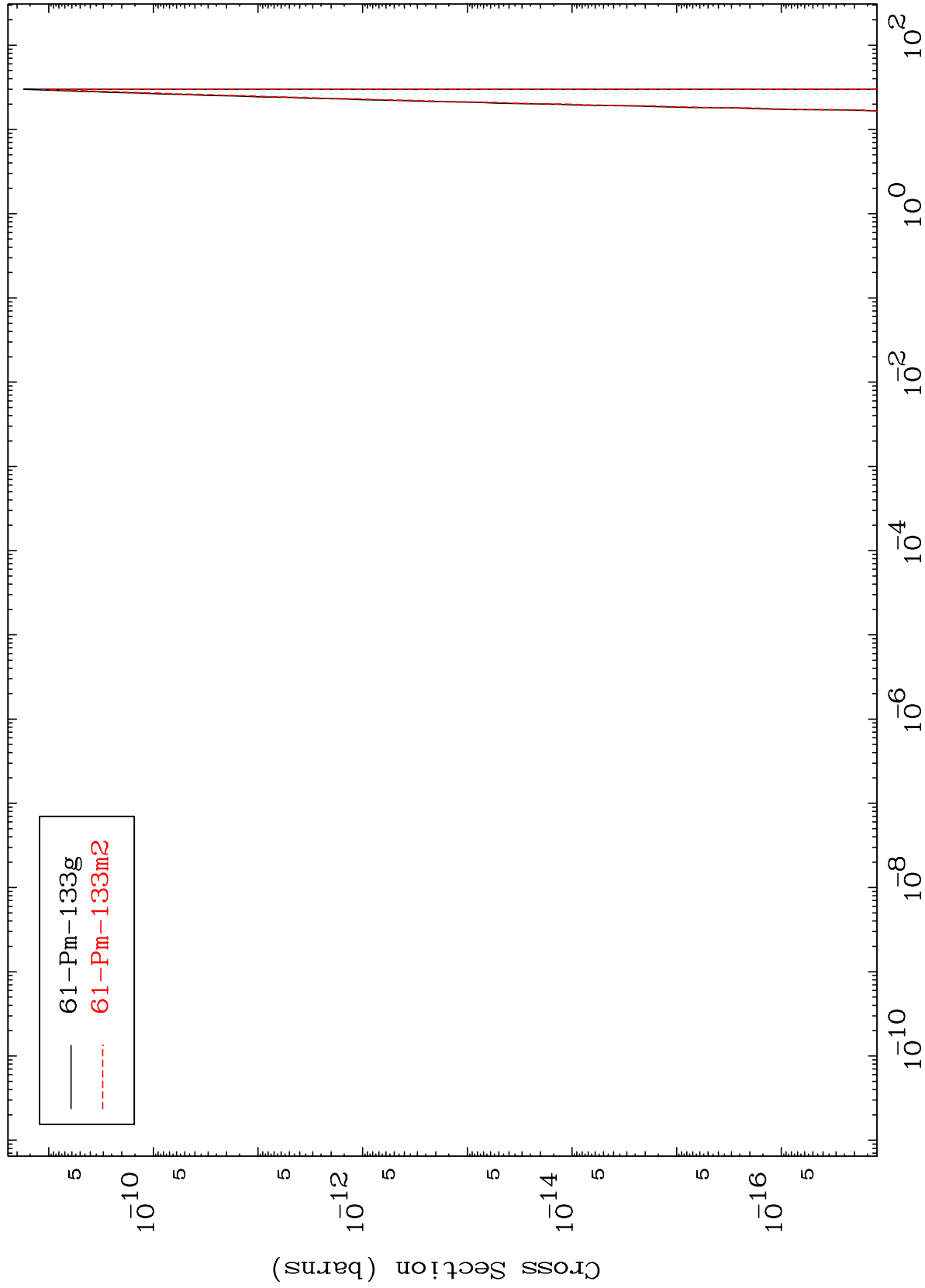
66-Dy-142

MAT 6583

(n,d) 2α

66-Dy-142

Radionuclide Production Cross Section



35

Incident Energy (MeV)

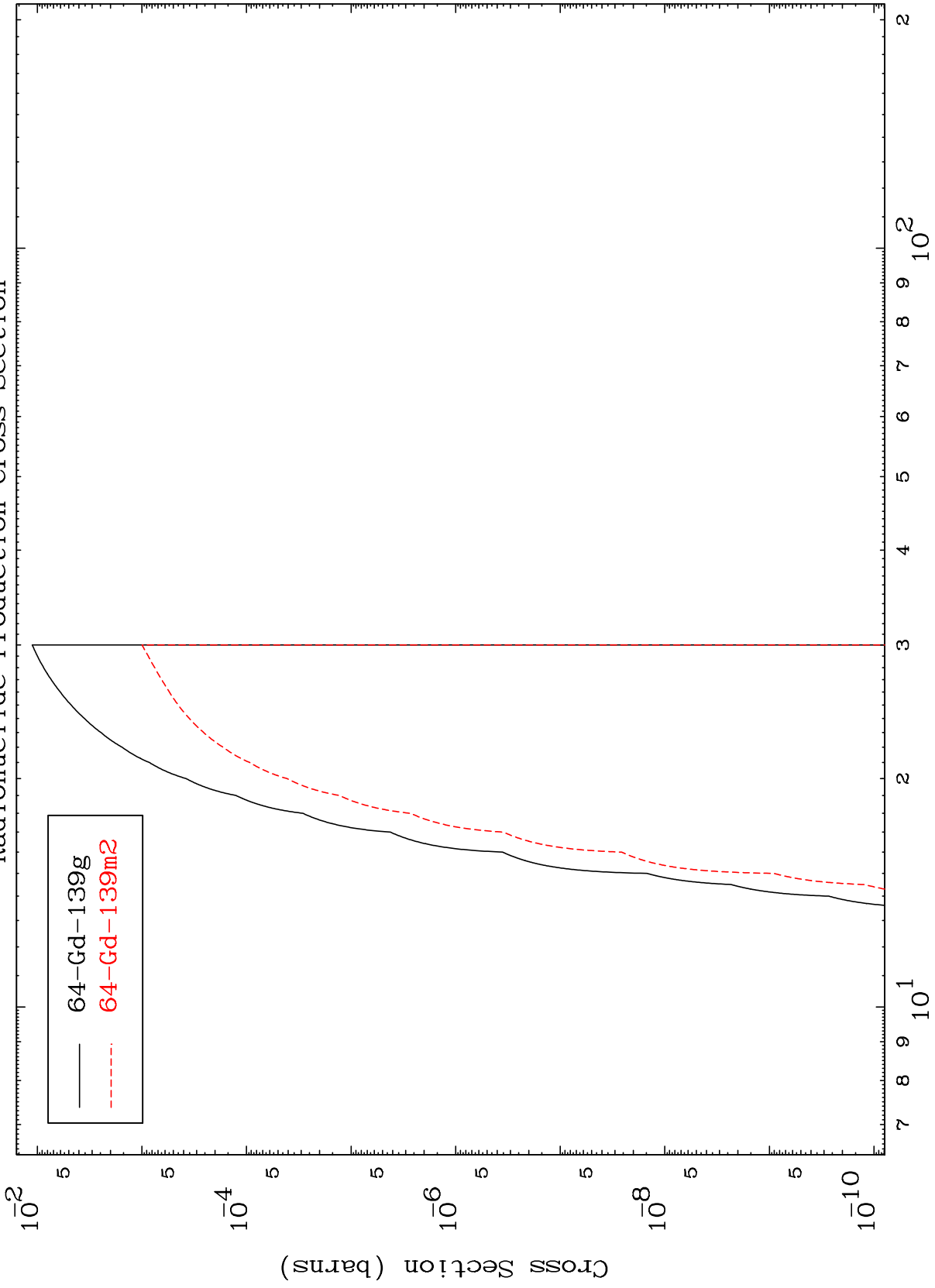
66-Dy-142

MAT 6583

(n,p) t

66-Dy-142

Radionuclide Production Cross Section



36

Incident Energy (MeV)

66-Dy-142