

Program EVALPLOT
(Version 2021-1)

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

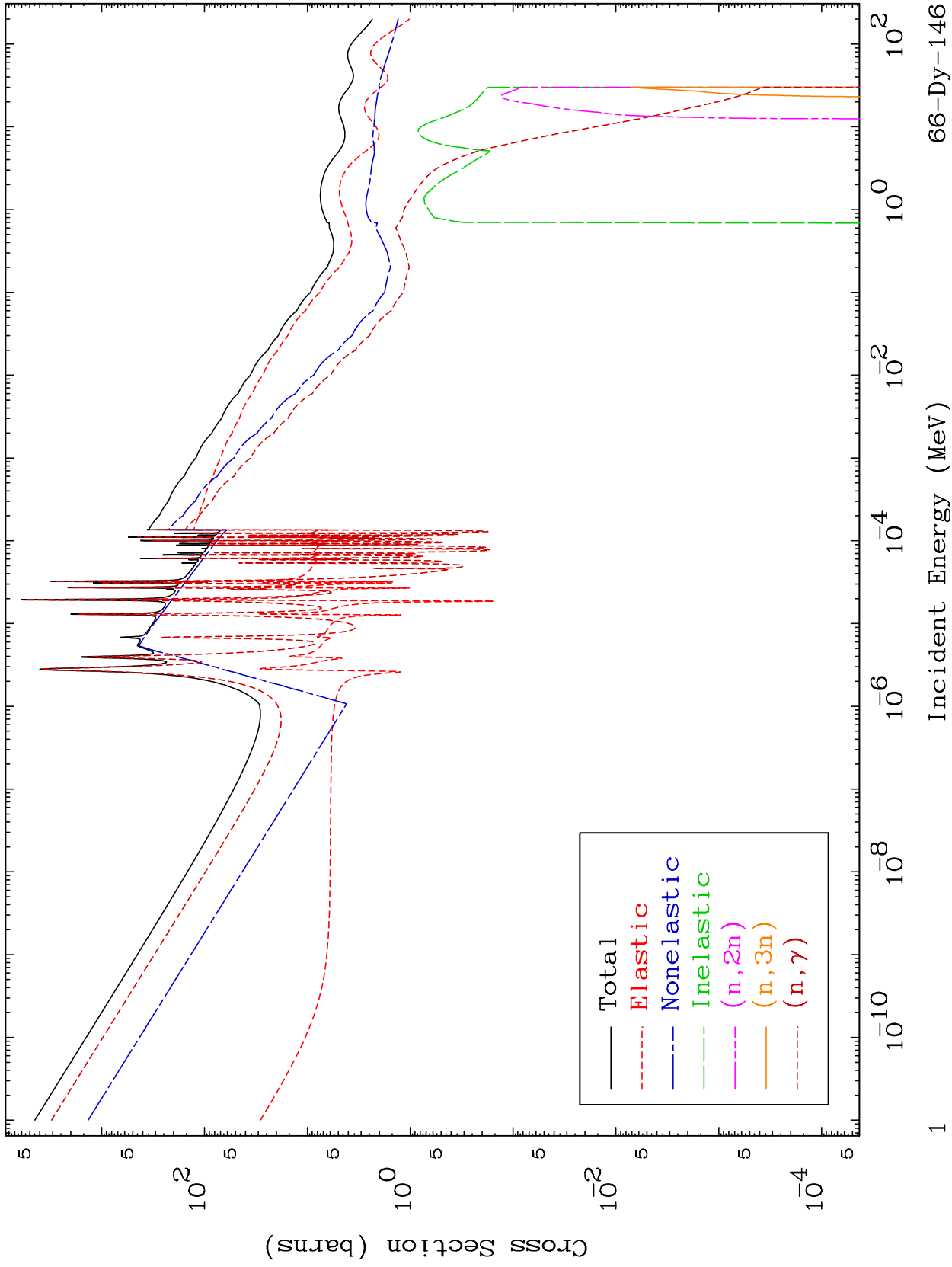
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6595

Neutron Major
293 Kelvin Cross Sections

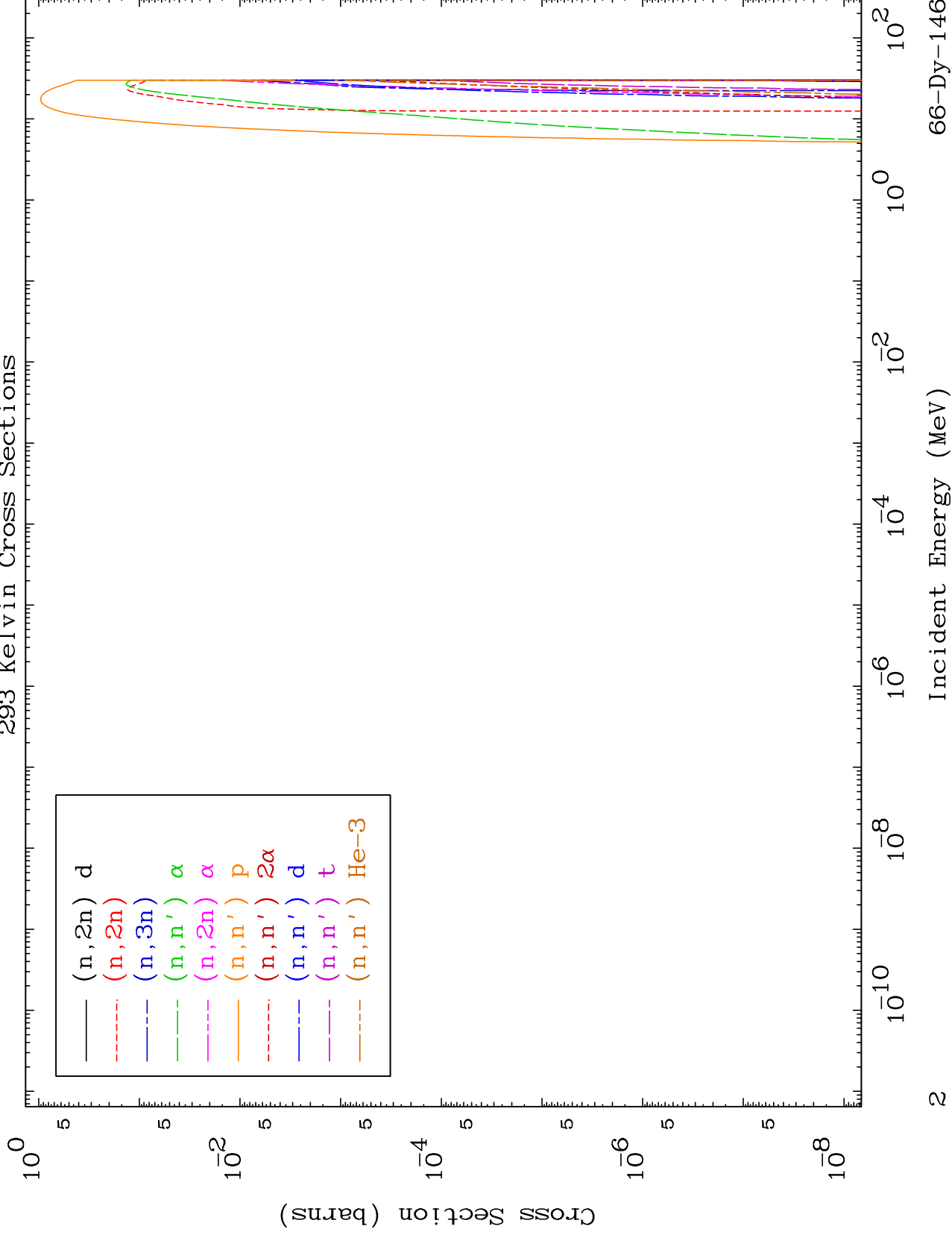
66-Dy-146



MAT 6595

Neutron Absorption
293 Kelvin Cross Sections

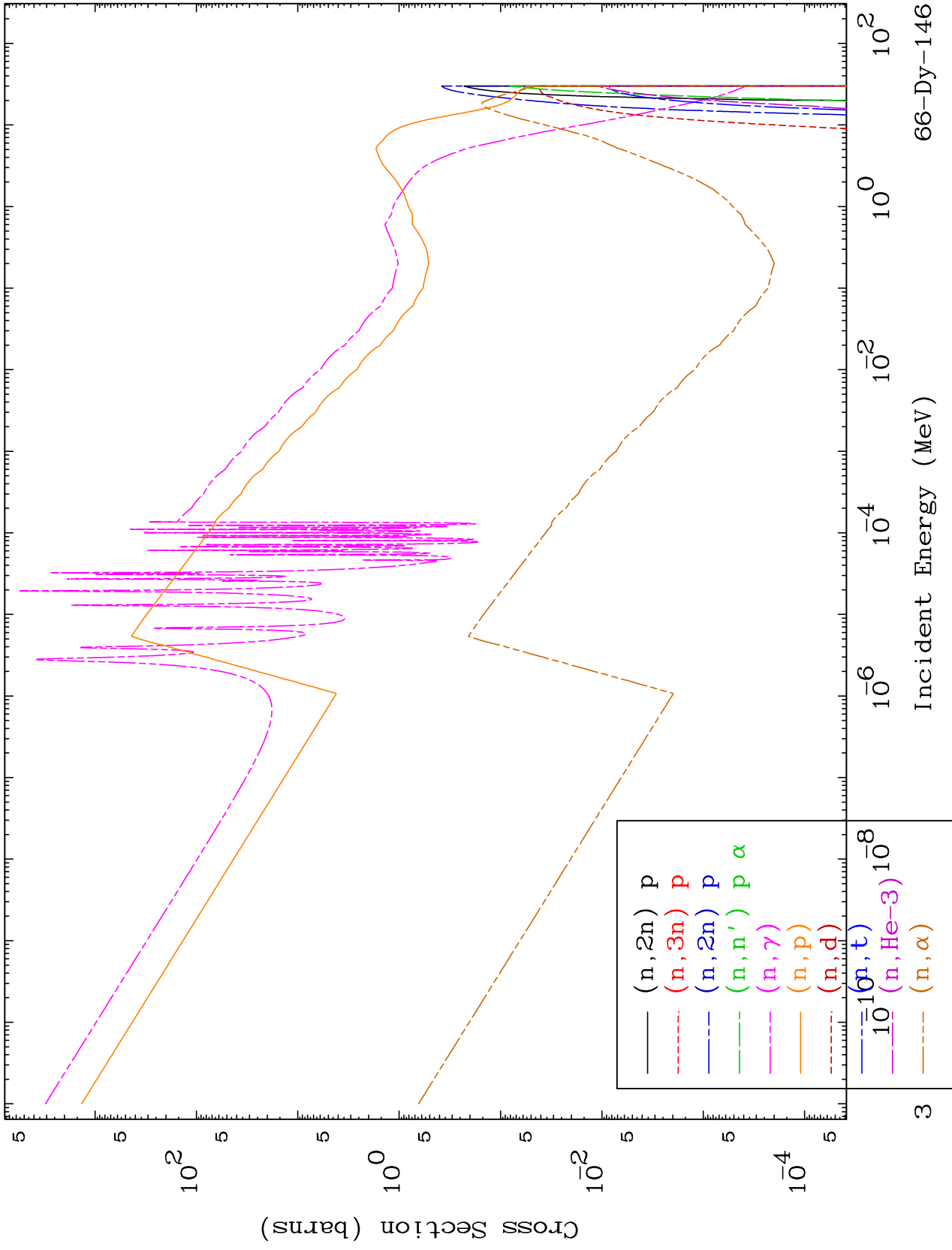
66-Dy-146



MAT 6595

Neutron Absorption
293 Kelvin Cross Sections

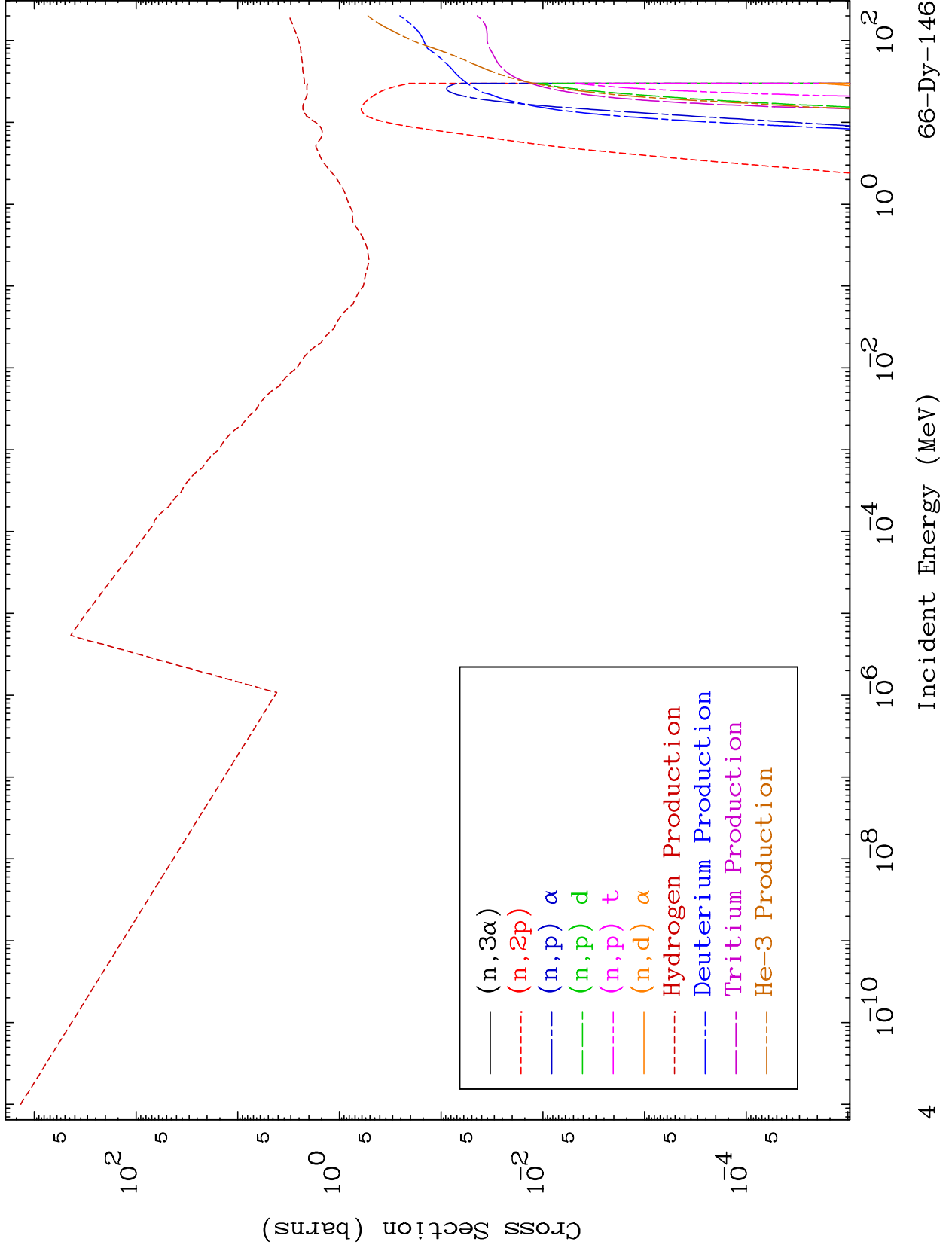
66-Dy-146



MAT 6595

Neutron Absorption
293 Kelvin Cross Sections

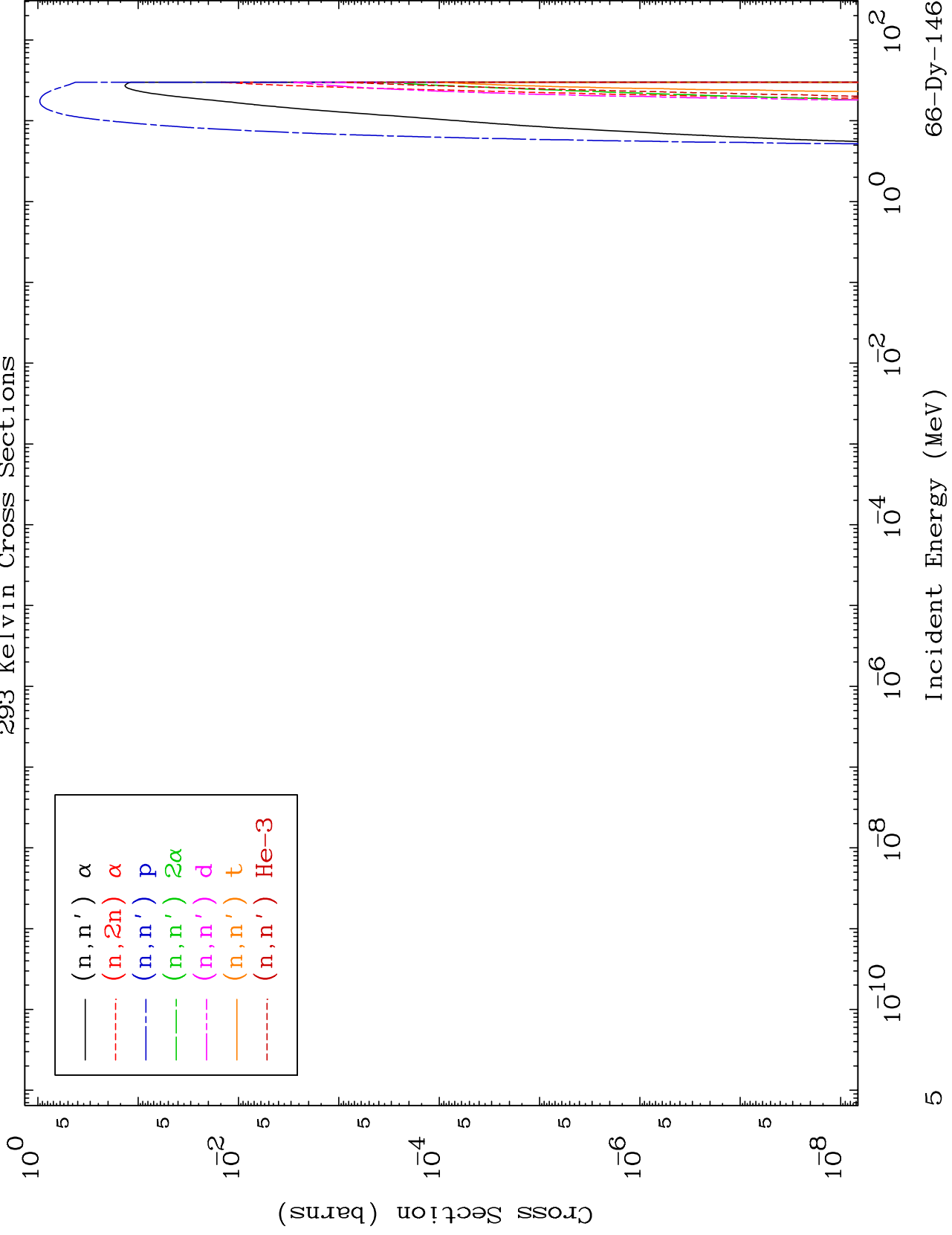
66-Dy-146



MAT 6595

Charged Particle
293 Kelvin Cross Sections

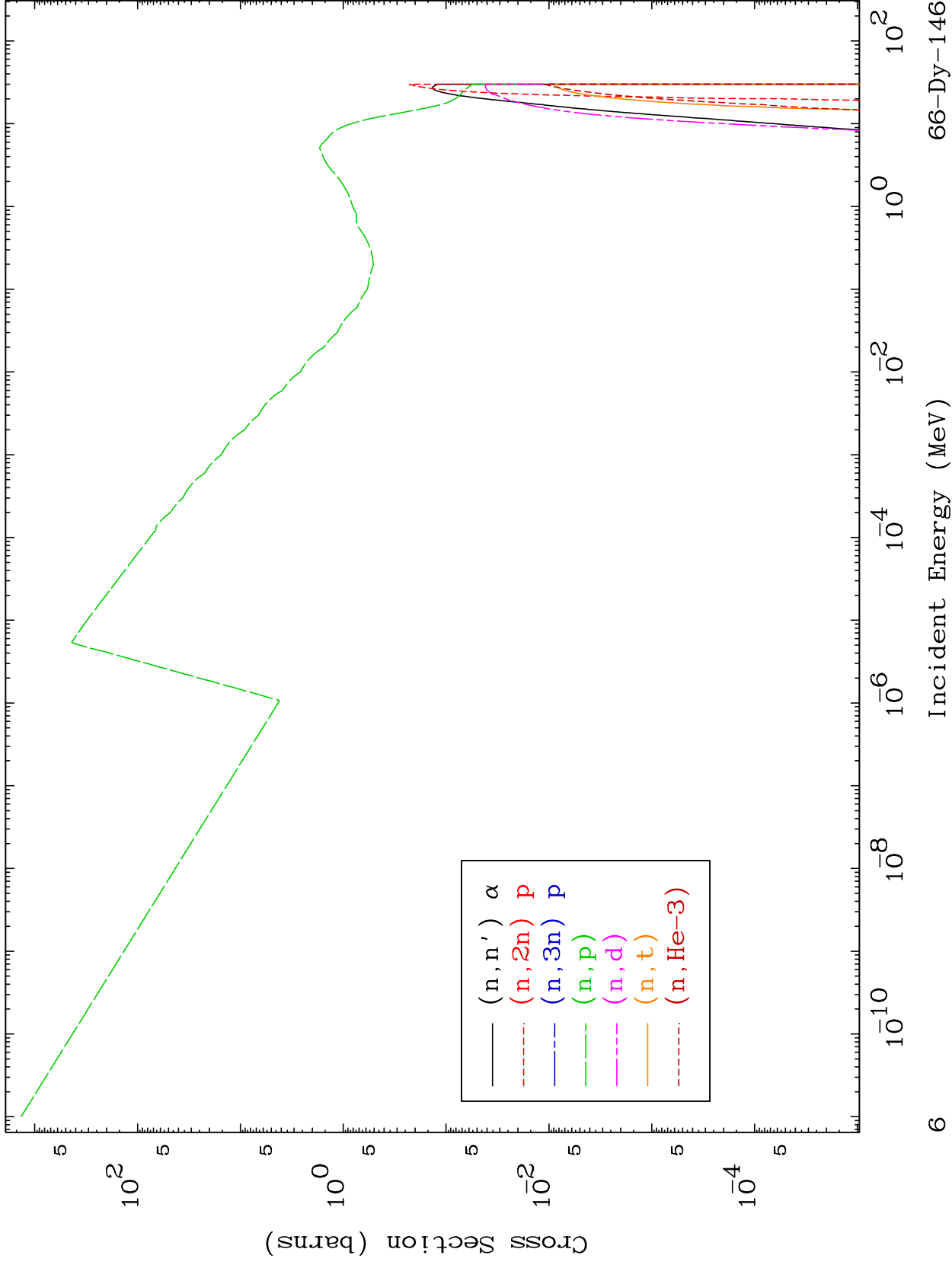
66-Dy-146



MAT 6595

Charged Particle
293 Kelvin Cross Sections

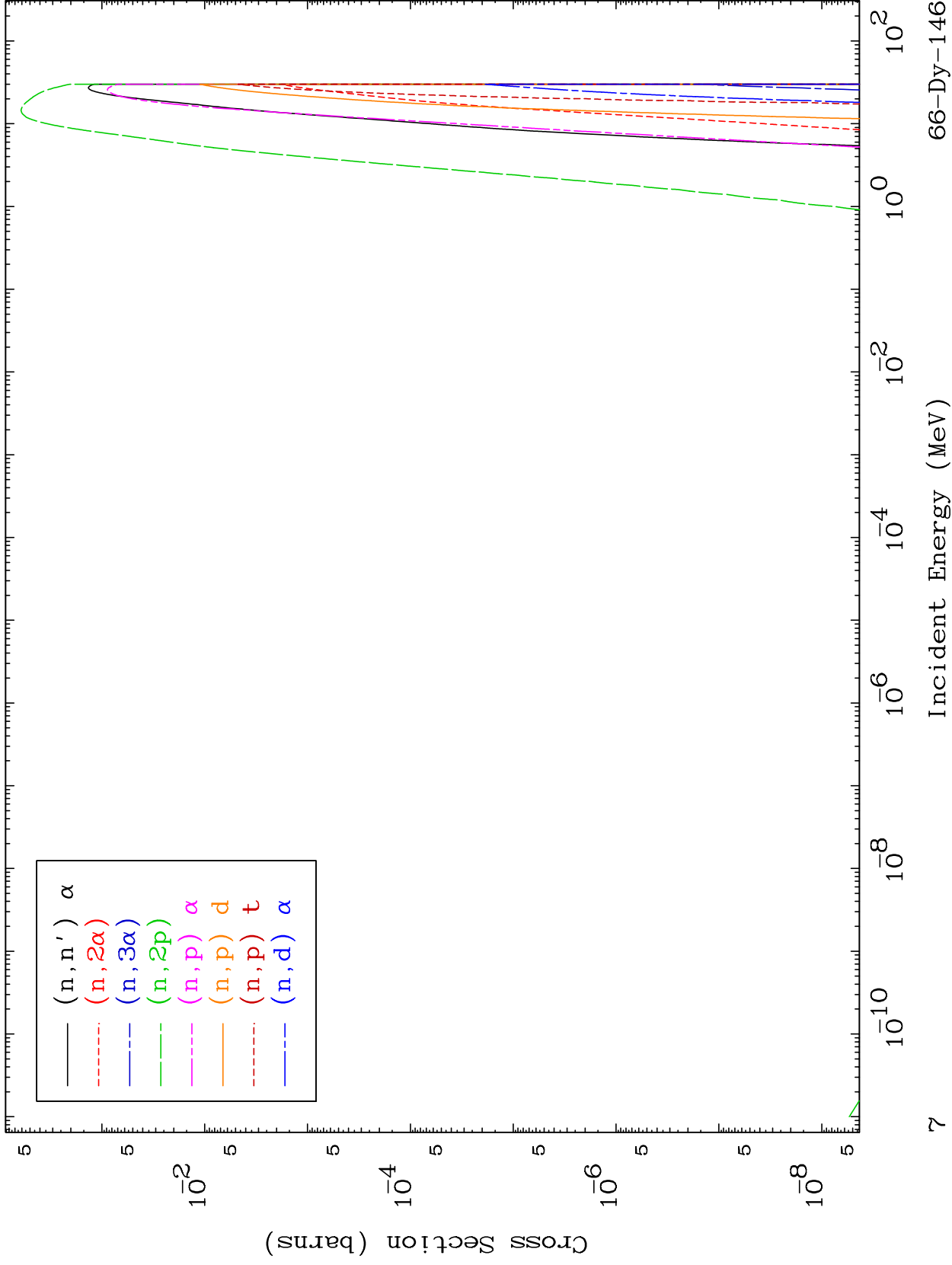
66-Dy-146



MAT 6595

Charged Particle
293 Kelvin Cross Sections

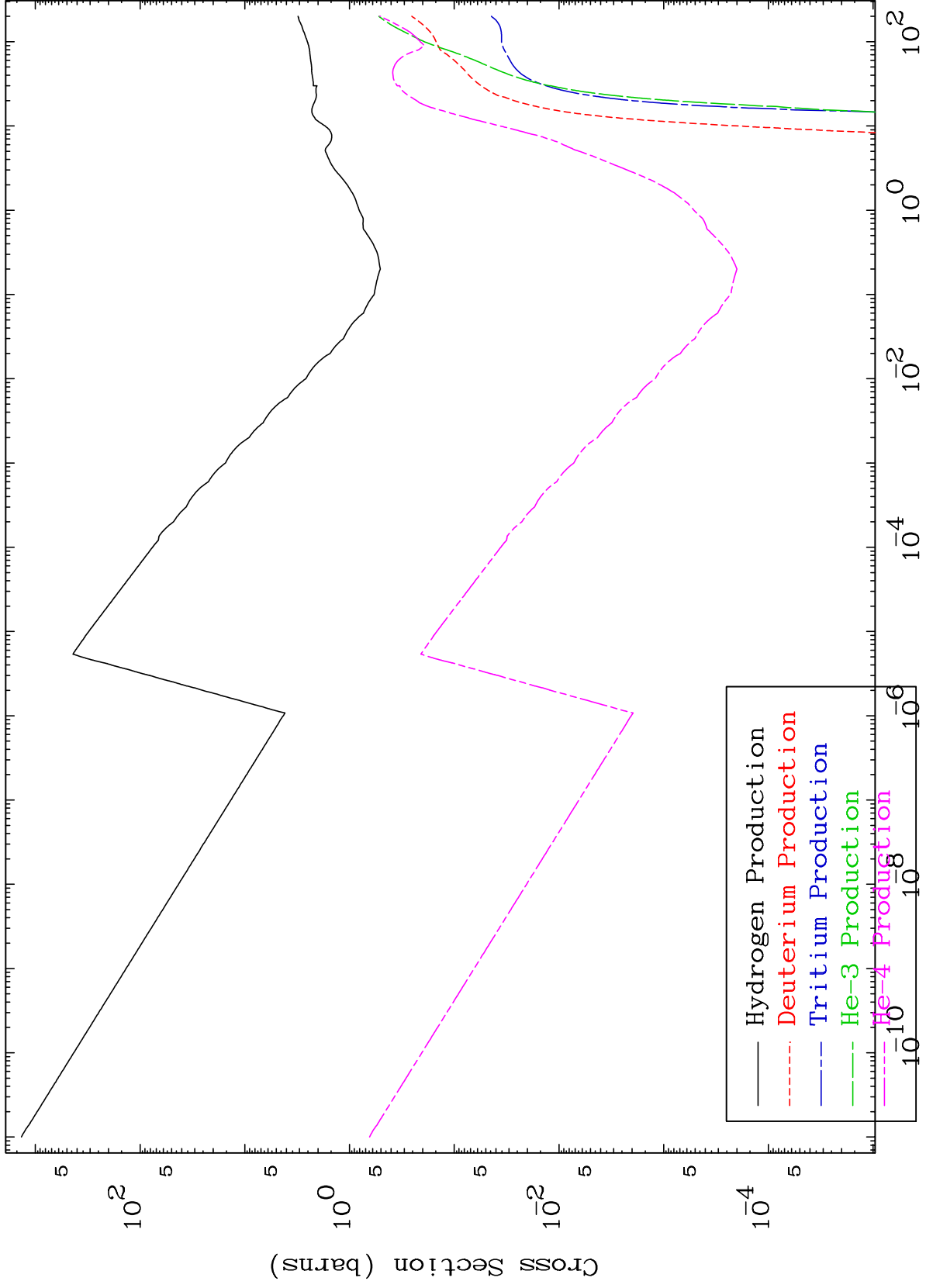
66-Dy-146



MAT 6595

Particle Production
293 Kelvin Cross Sections

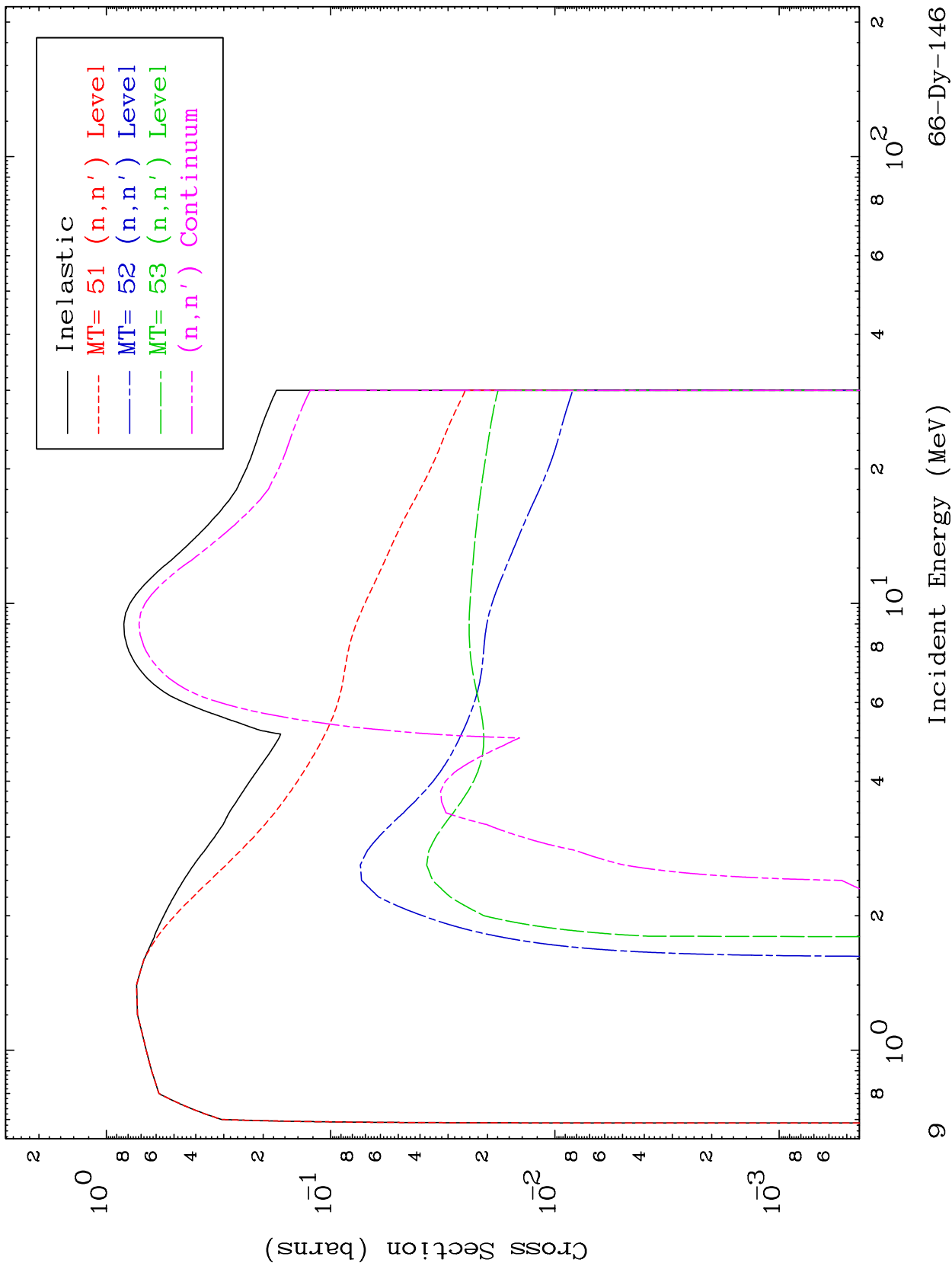
66-Dy-146



MAT 6595

(n,n') Levels
293 Kelvin Cross Sections

66-Dy-146



9

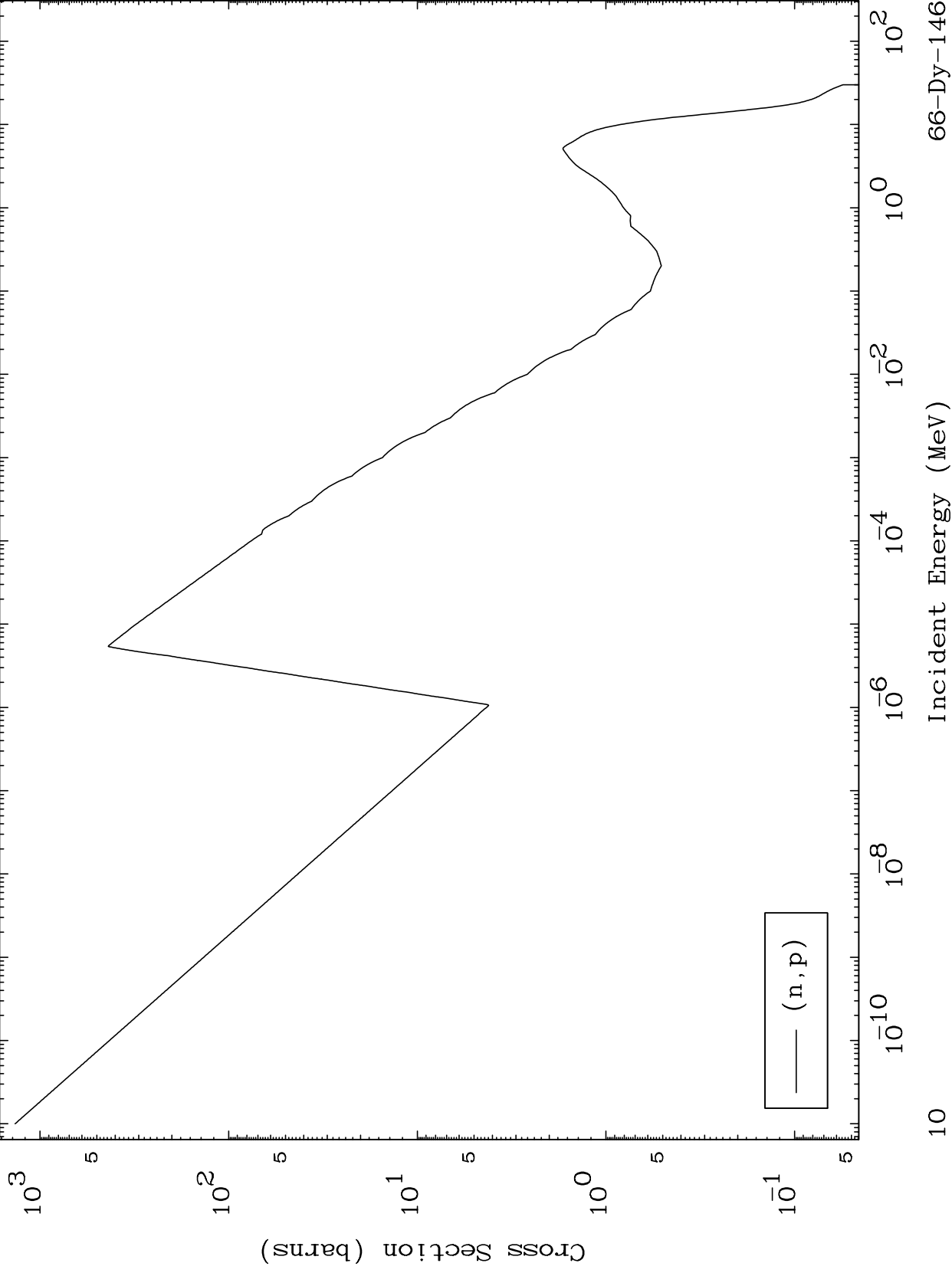
Incident Energy (MeV)

66-Dy-146

MAT 6595

(n,p) Levels
293 Kelvin Cross Sections

66-Dy-146



10

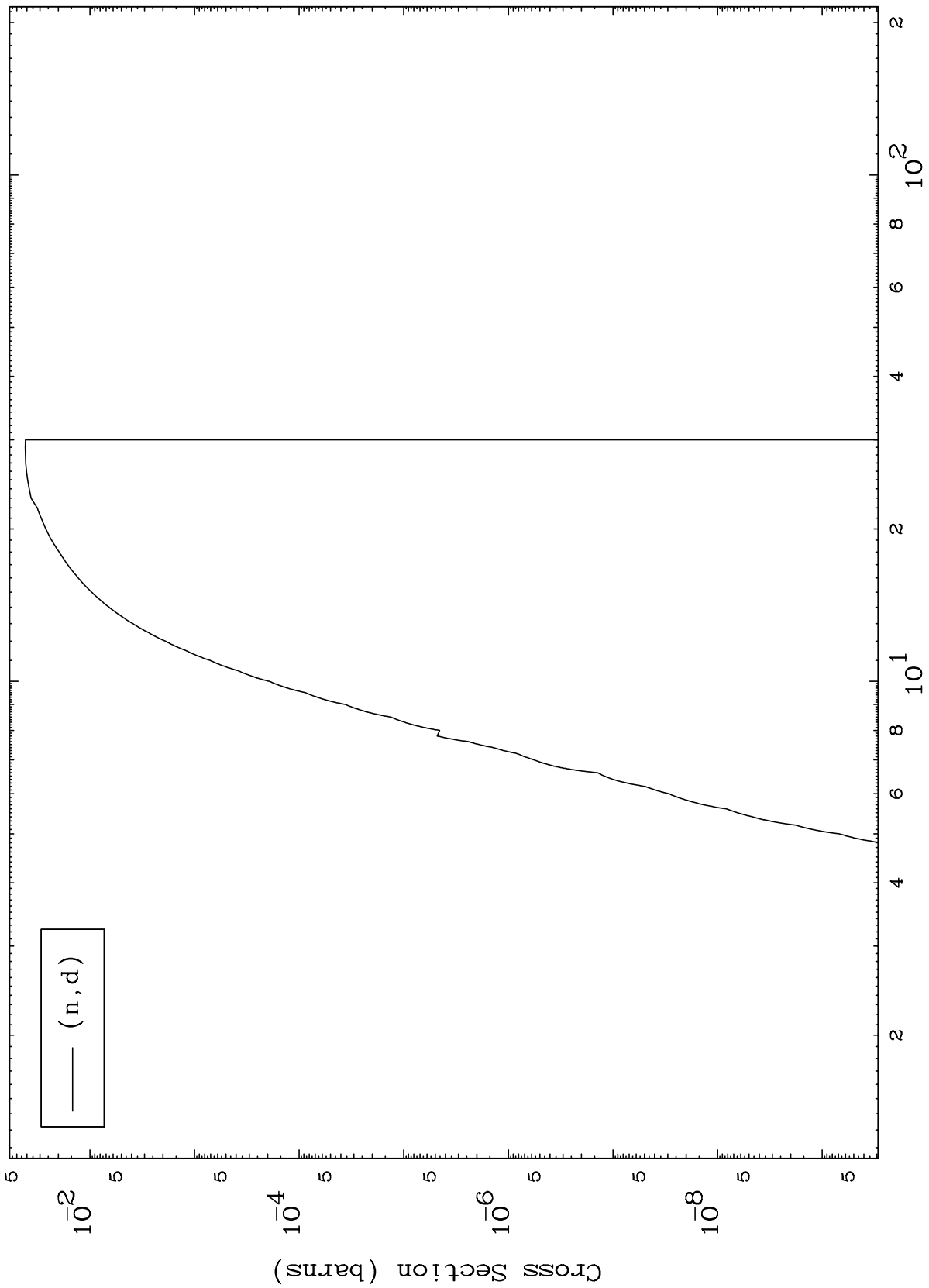
Incident Energy (MeV)

66-Dy-146

MAT 6595

(n,d) Levels
293 Kelvin Cross Sections

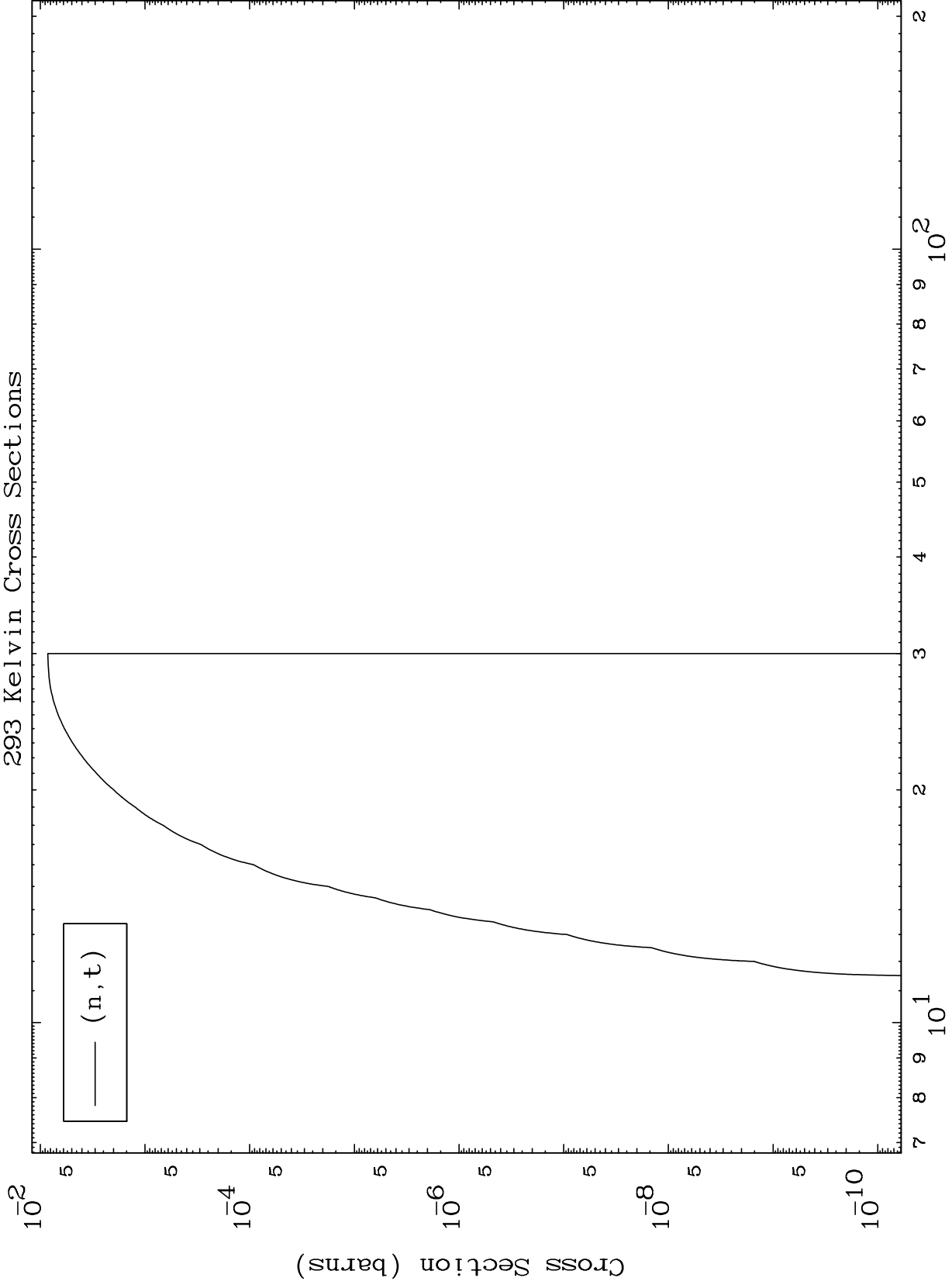
66-Dy-146



MAT 6595

(n,t) Levels
293 Kelvin Cross Sections

66-Dy-146



12

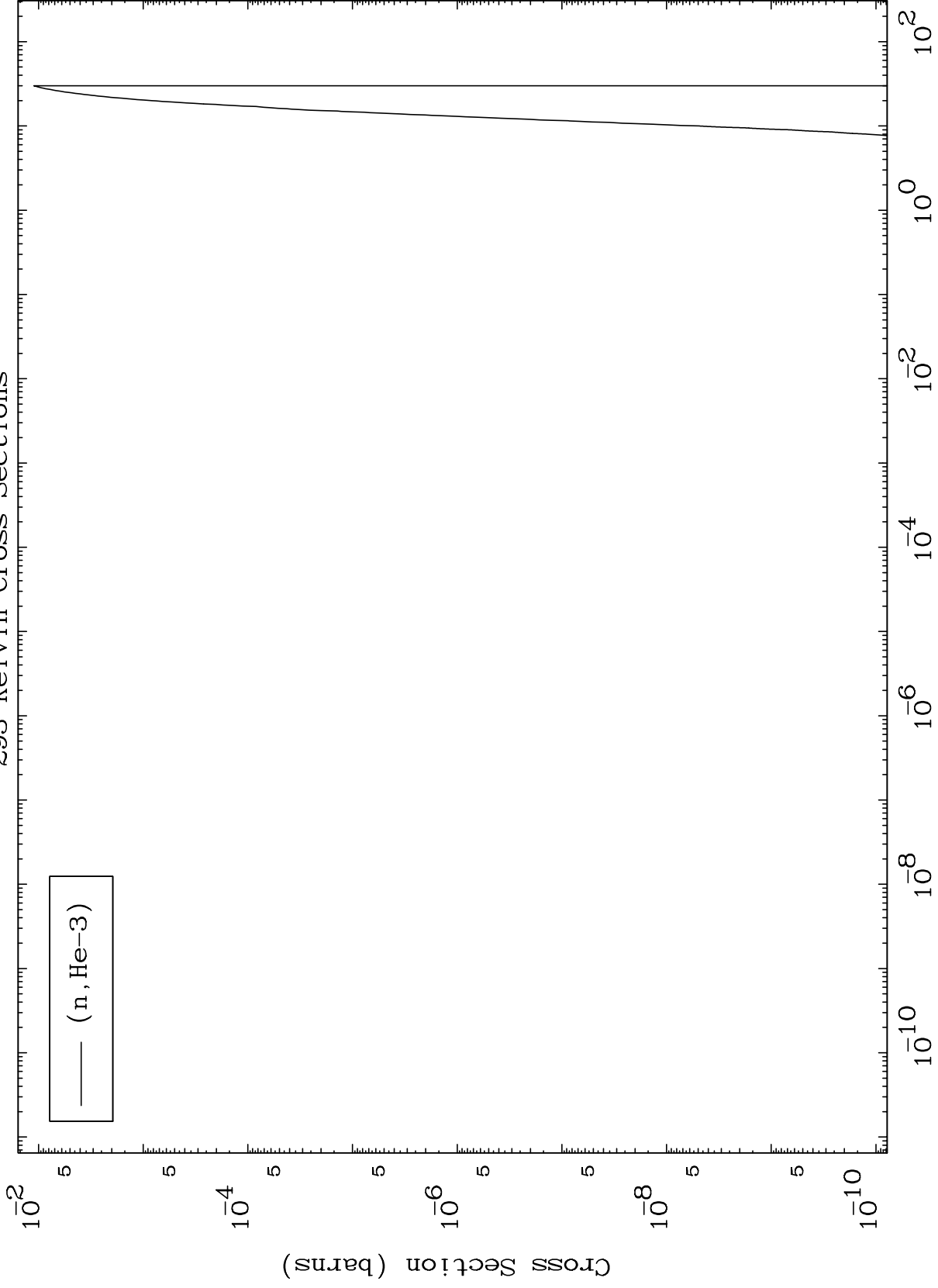
Incident Energy (MeV)

66-Dy-146

MAT 6595

(n,He3) Levels
293 Kelvin Cross Sections

66-Dy-146



13

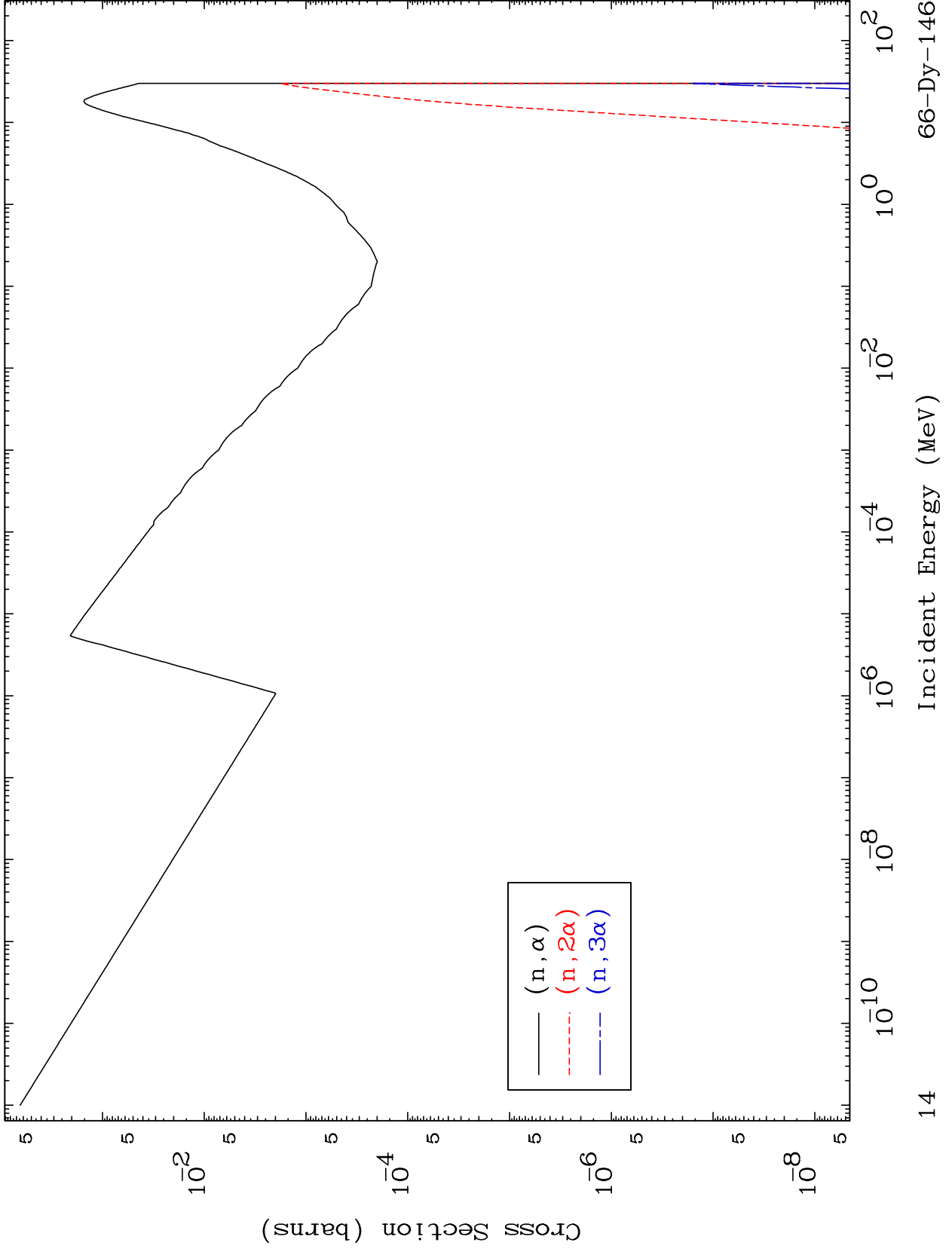
Incident Energy (MeV)

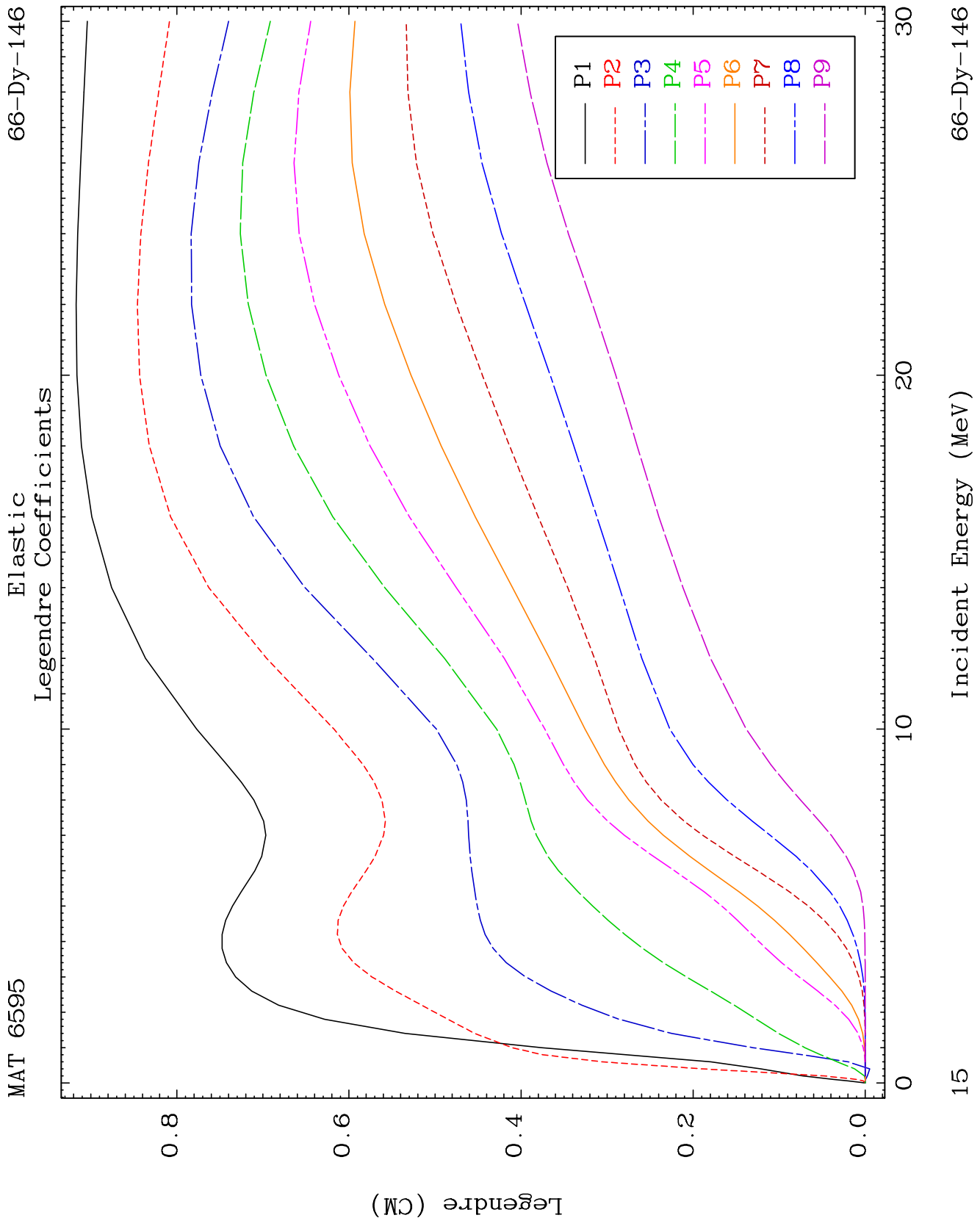
66-Dy-146

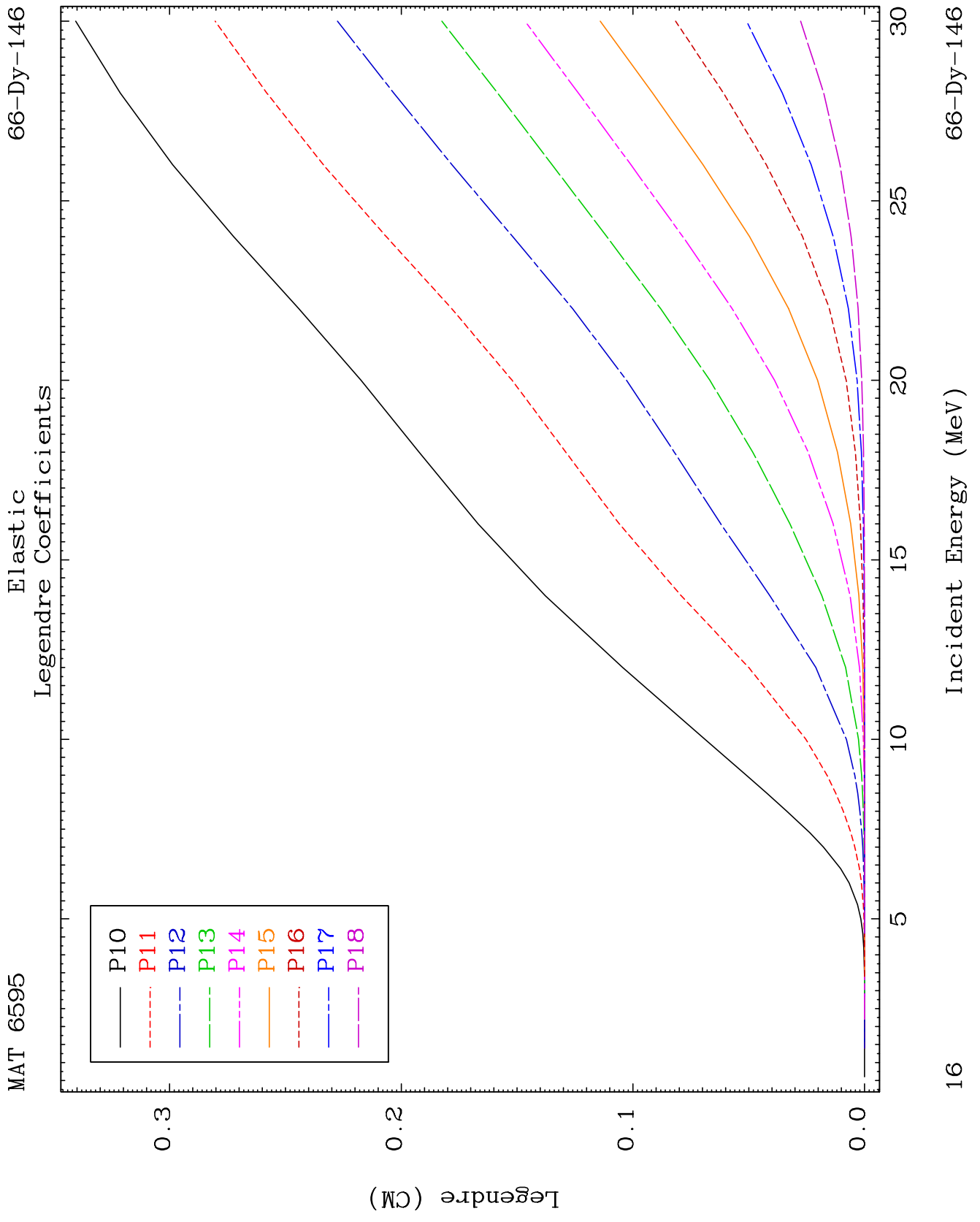
MAT 6595

(n, α) Levels
293 Kelvin Cross Sections

66-Dy-146



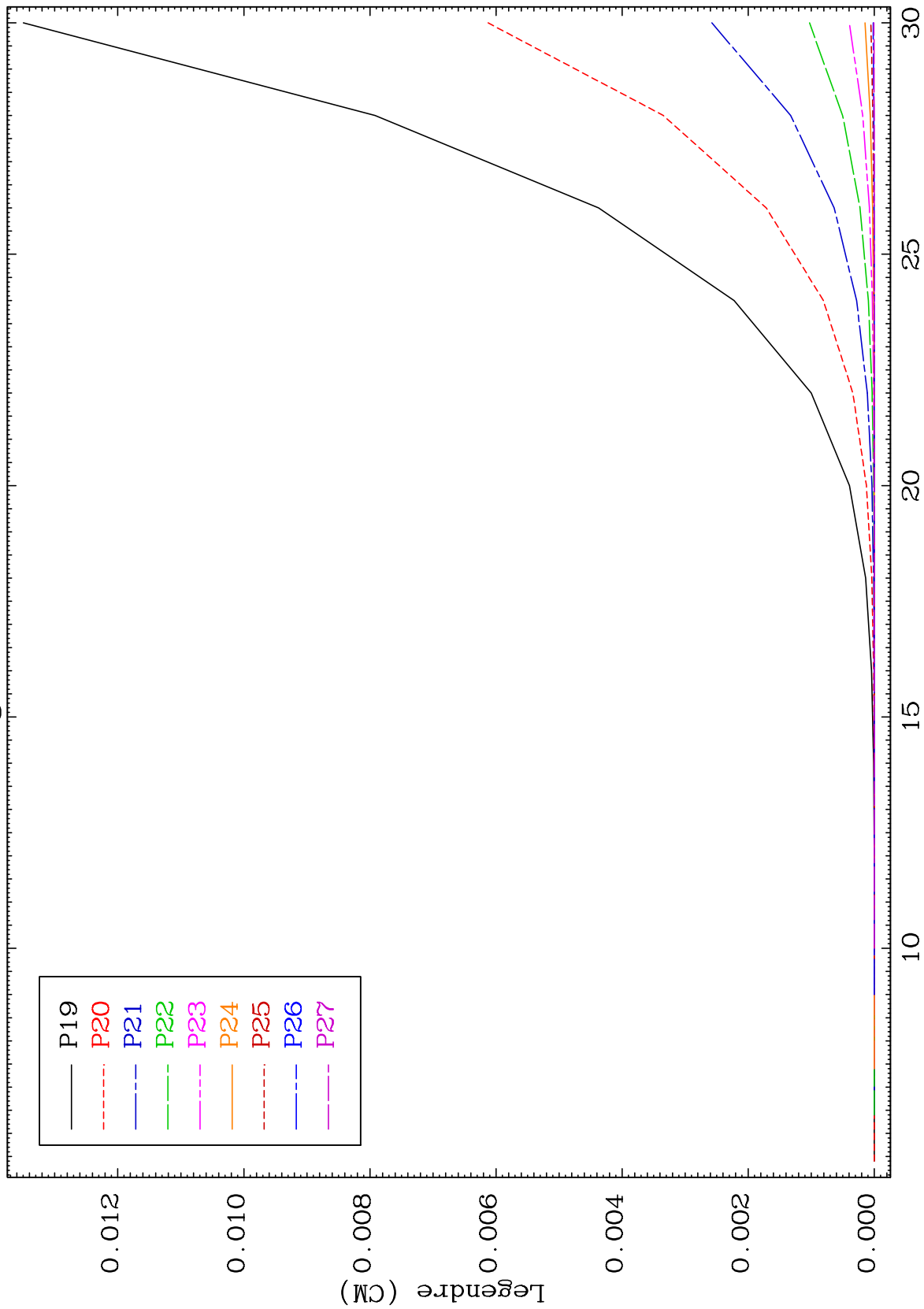




MAT 6595

Elastic Legendre Coefficients

66-Dy-146



17

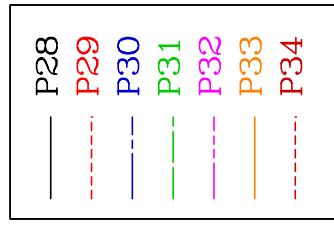
Incident Energy (MeV)

66-Dy-146

MAT 6595

Elastic
Legendre Coefficients

66-Dy-146



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

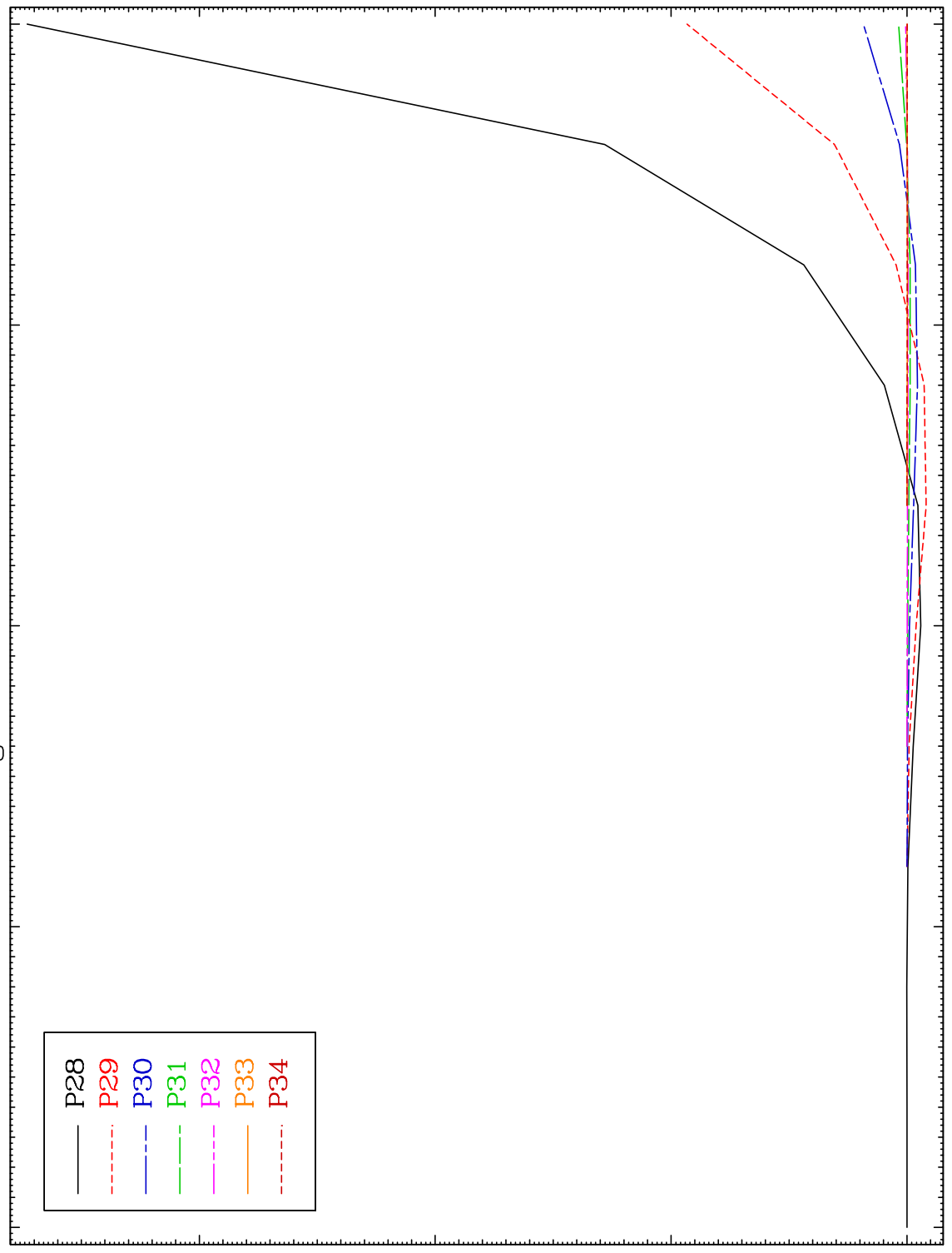
25

30

18

Incident Energy (MeV)

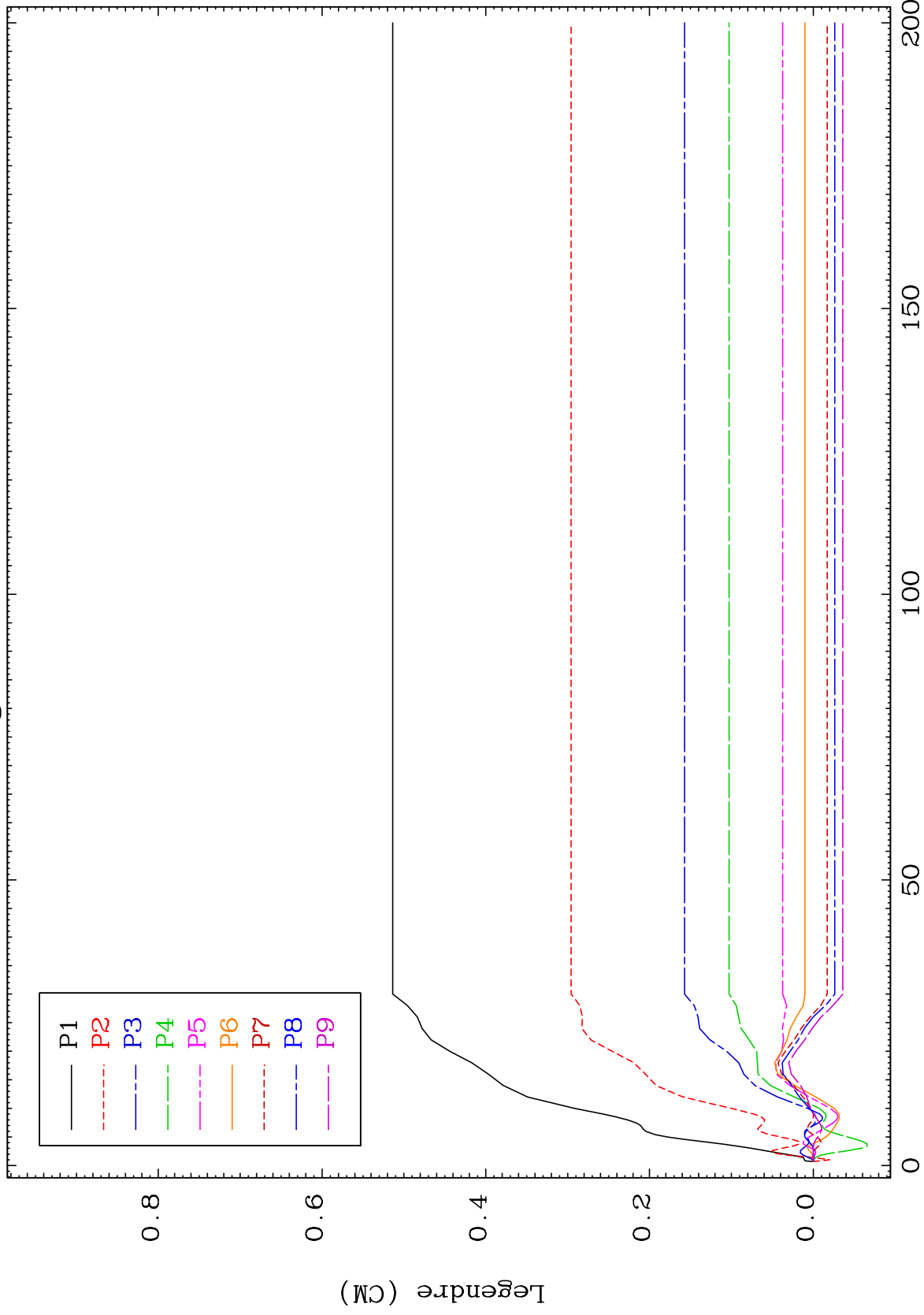
66-Dy-146



MAT 6595

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

66-Dy-146



19

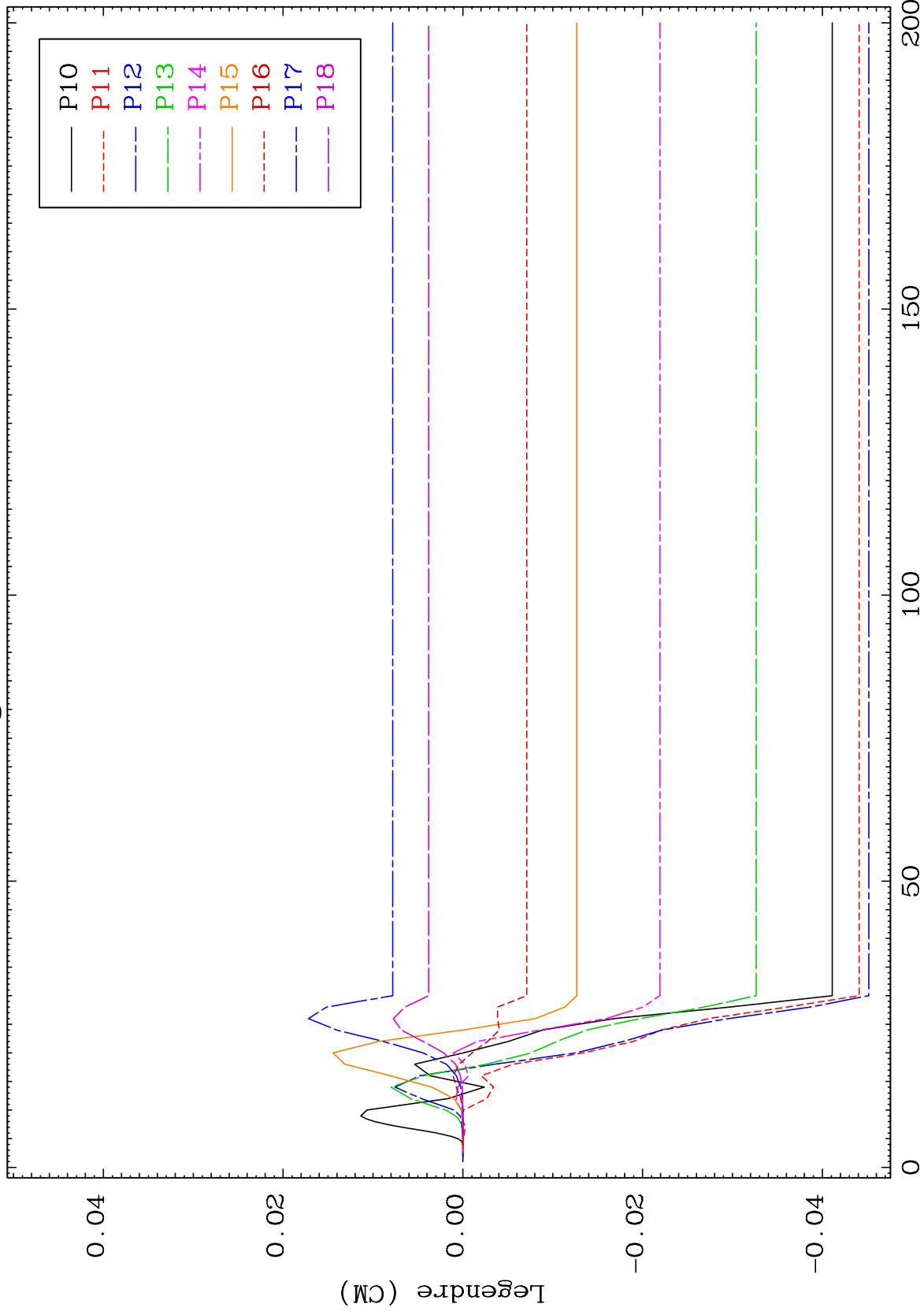
Incident Energy (MeV)

66-Dy-146

MAT 6595

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

66-Dy-146



66-Dy-146

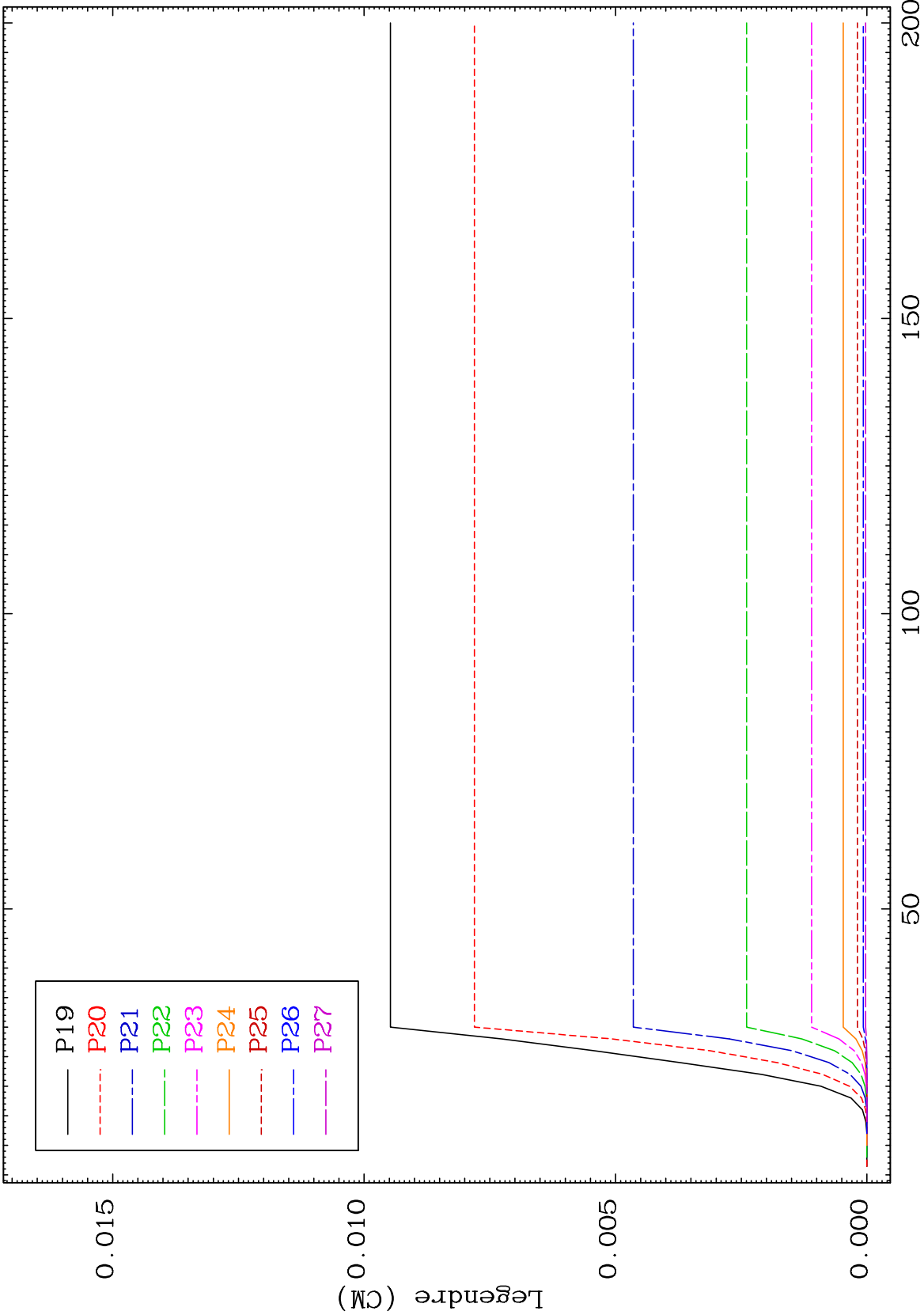
Incident Energy (MeV)

20

MAT 6595

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

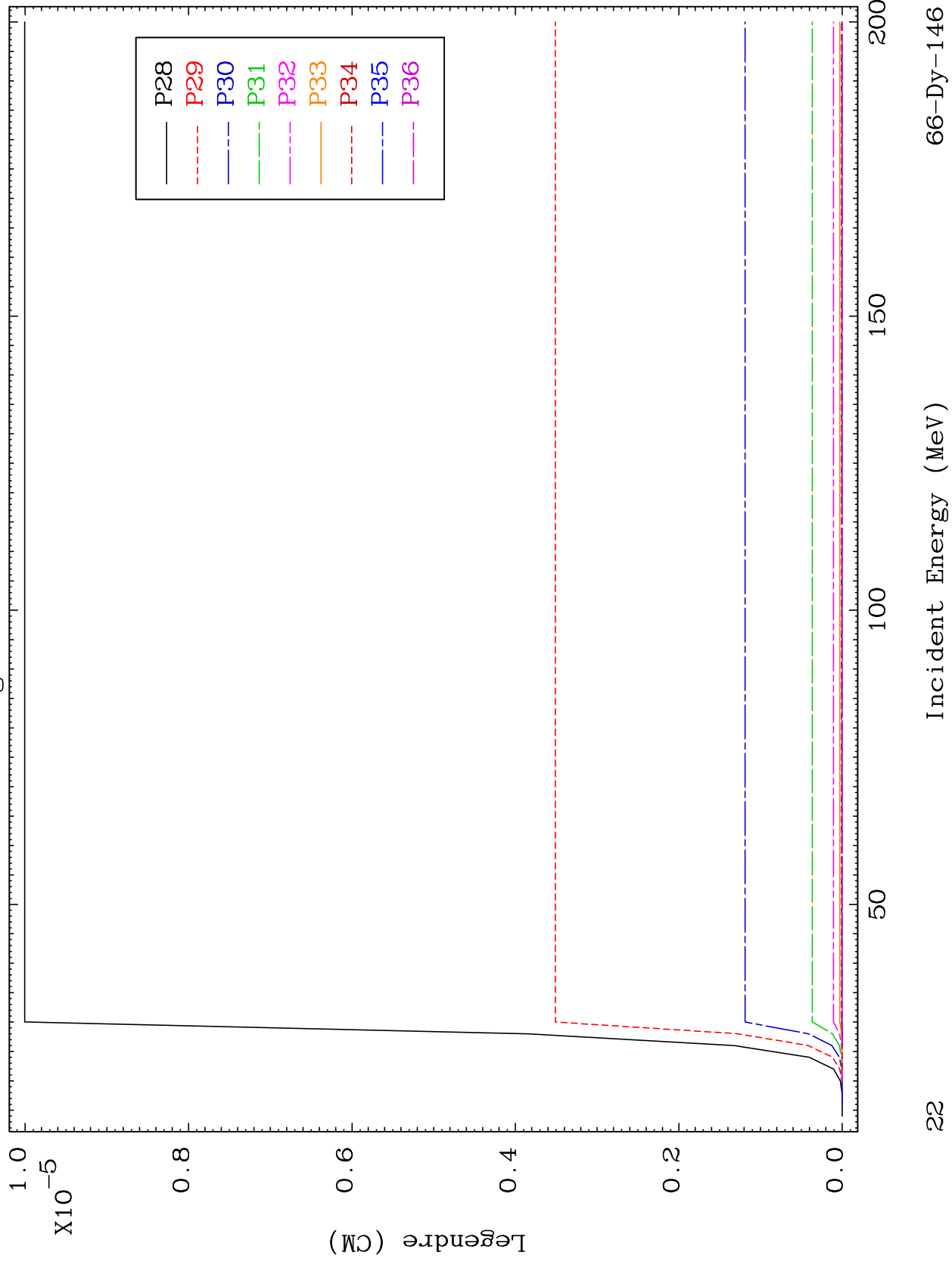
66-Dy-146



MAT 6595

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

66-Dy-146

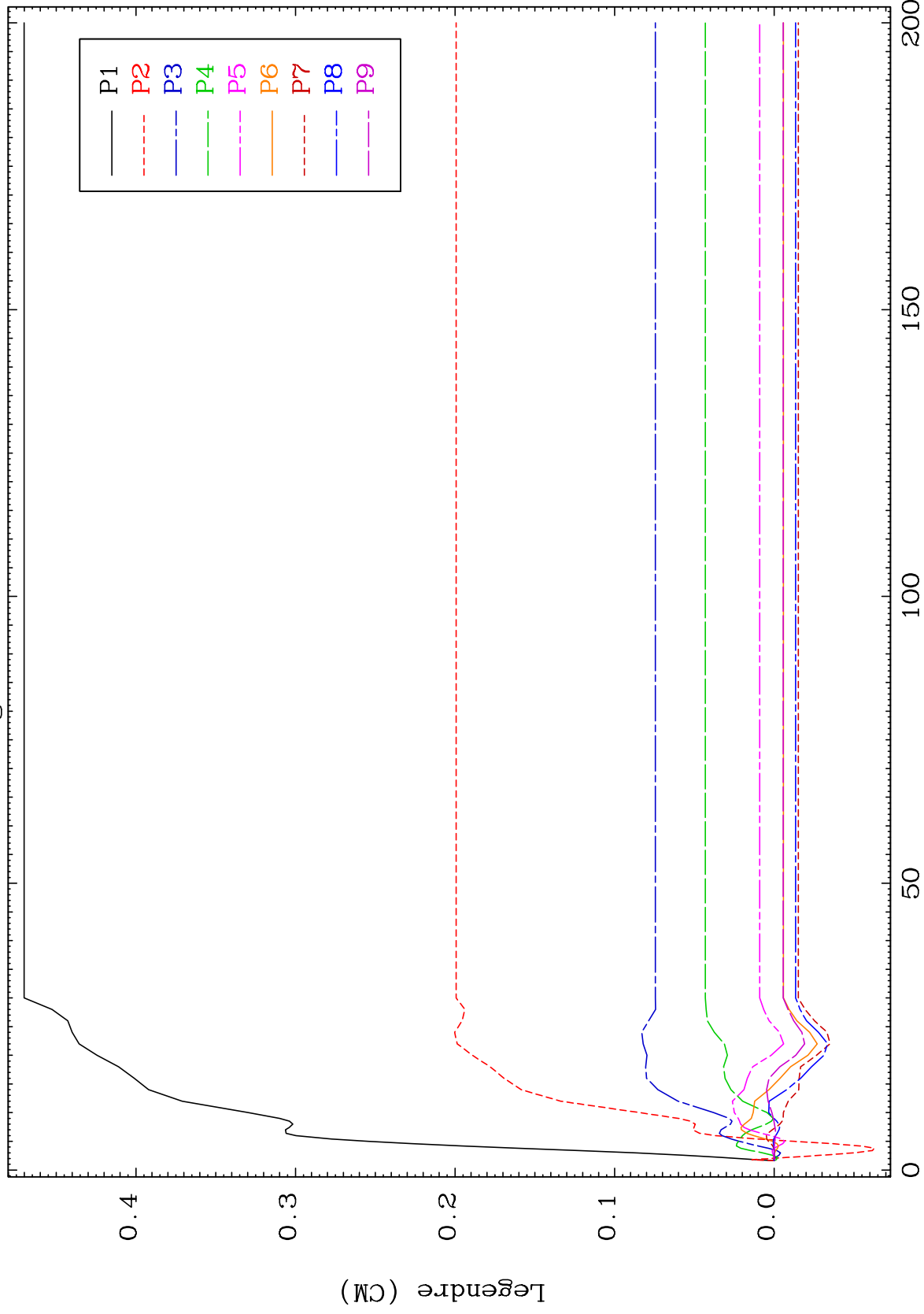


22

MAT 6595

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

66-Dy-146



23

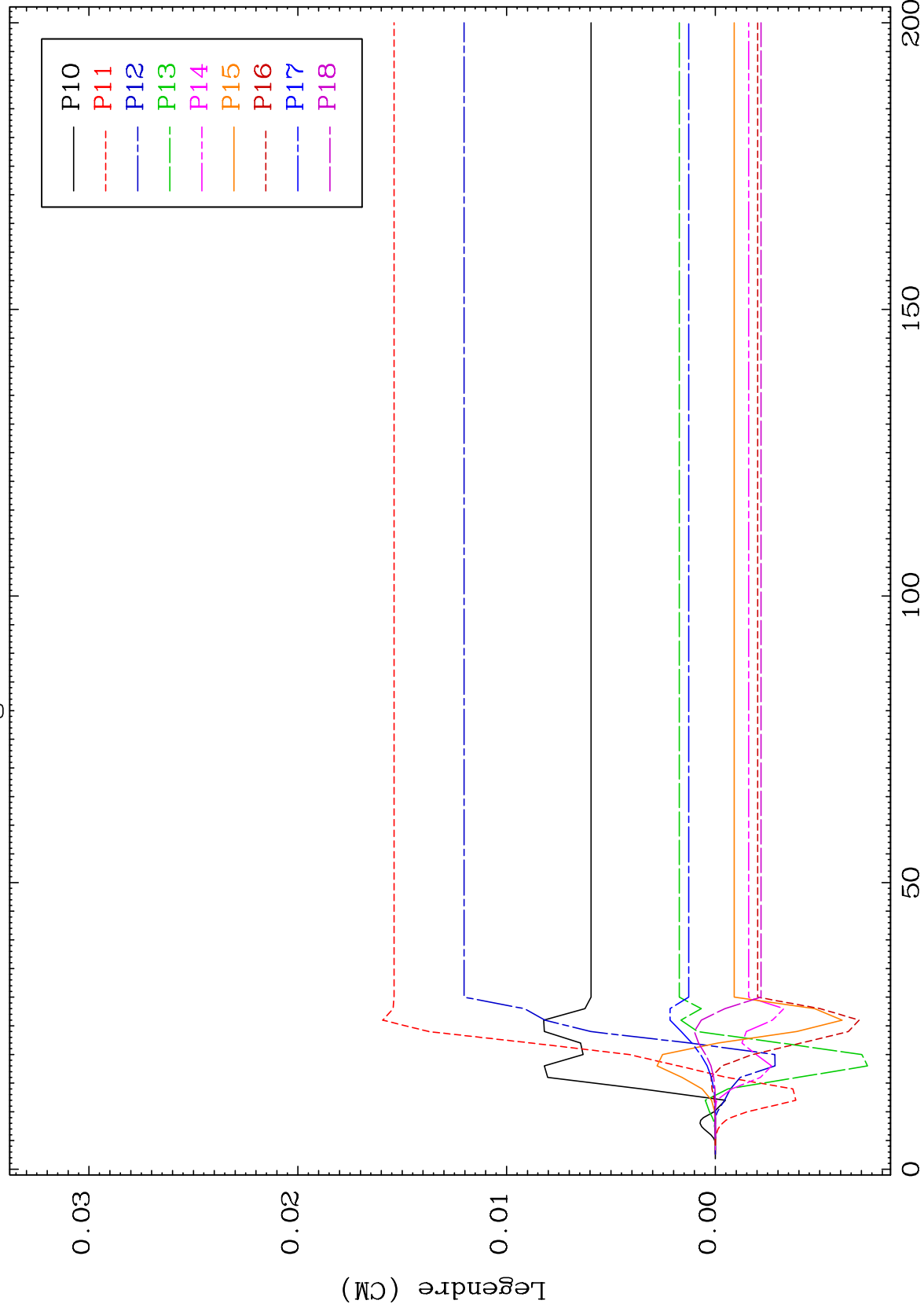
Incident Energy (MeV)

66-Dy-146

MAT 6595

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

66-Dy-146



24

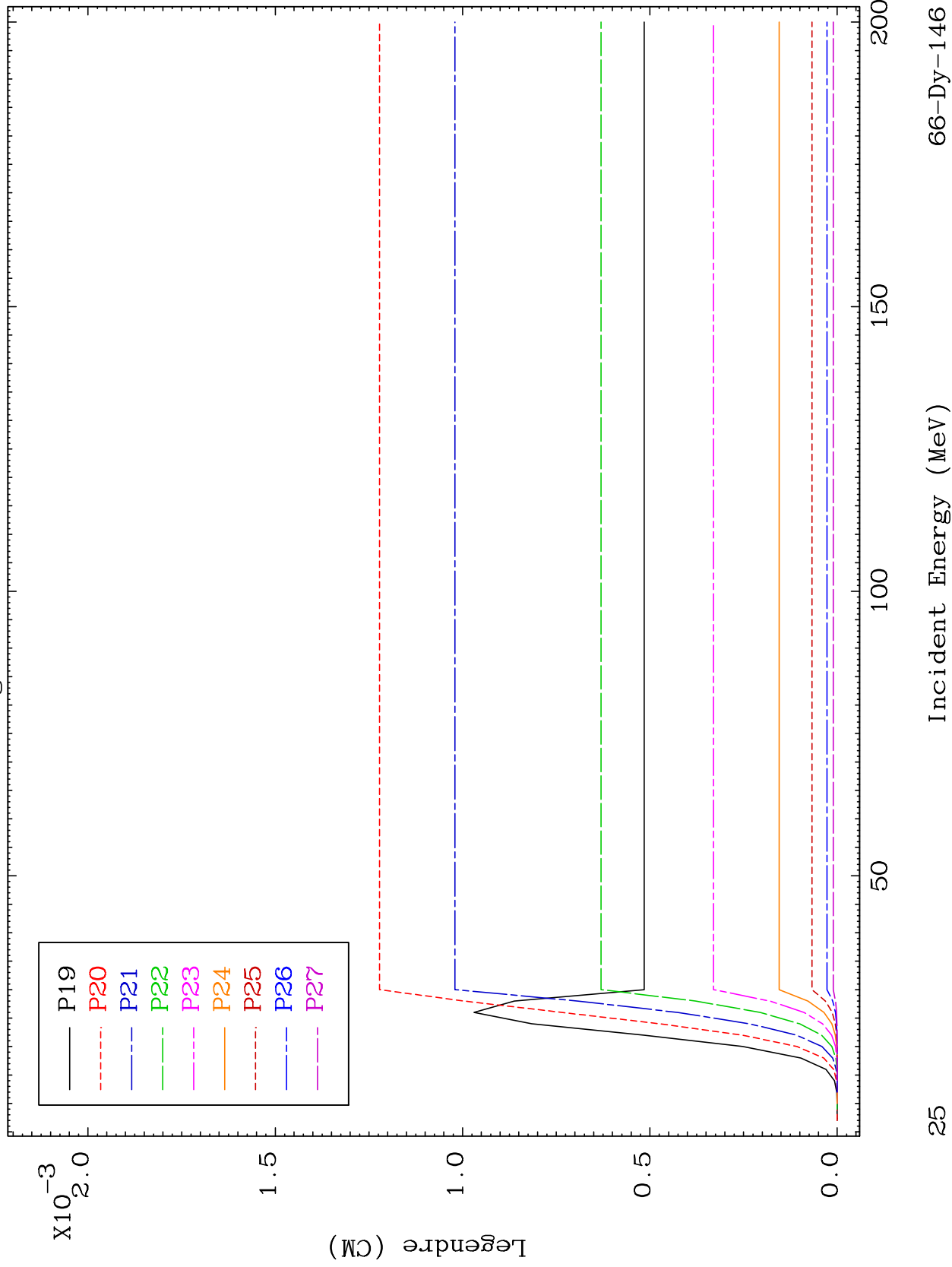
Incident Energy (MeV)

66-Dy-146

MAT 6595

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

66-Dy-146



25

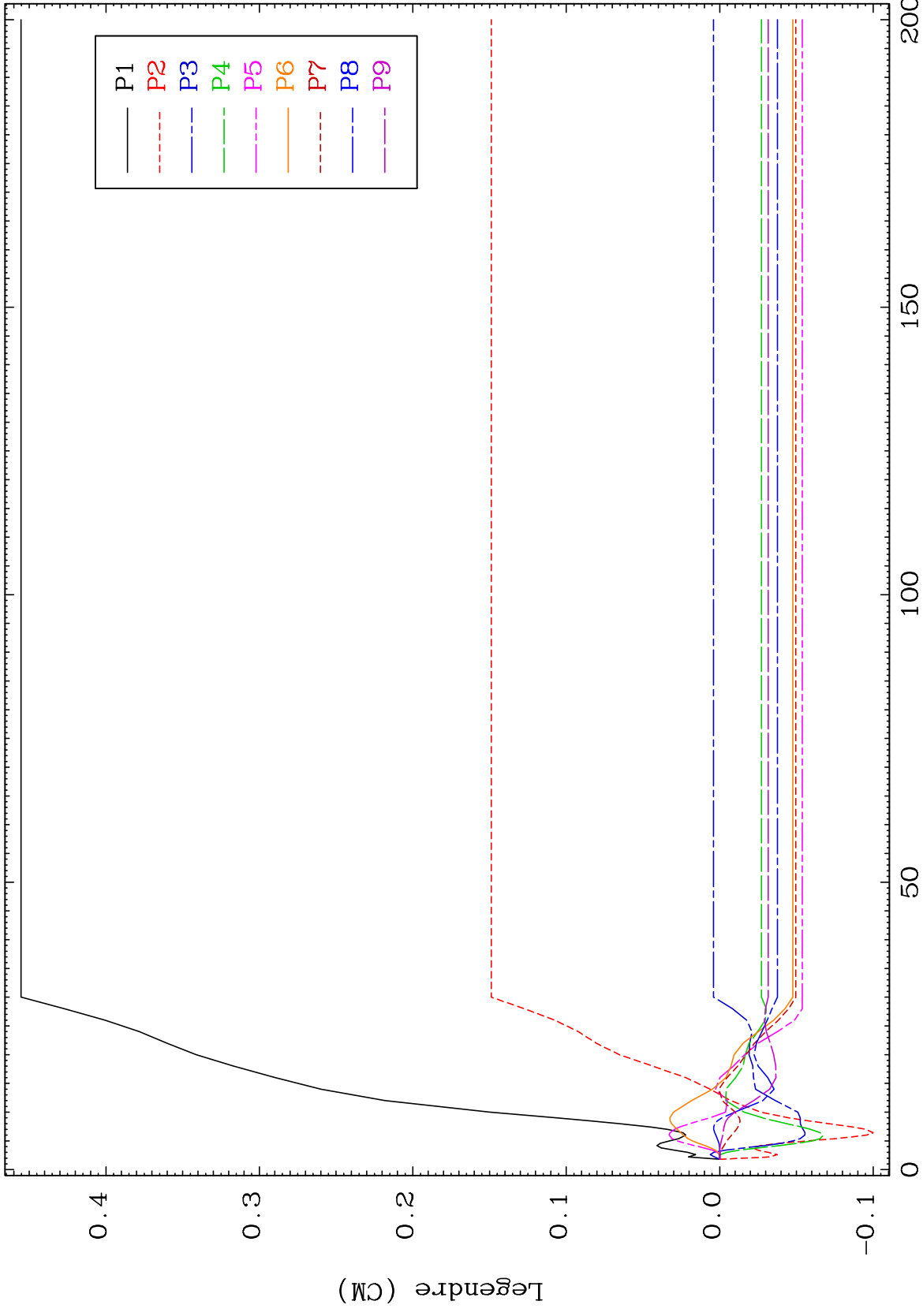
Incident Energy (MeV)

66-Dy-146

MAT 6595

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

66-Dy-146



27

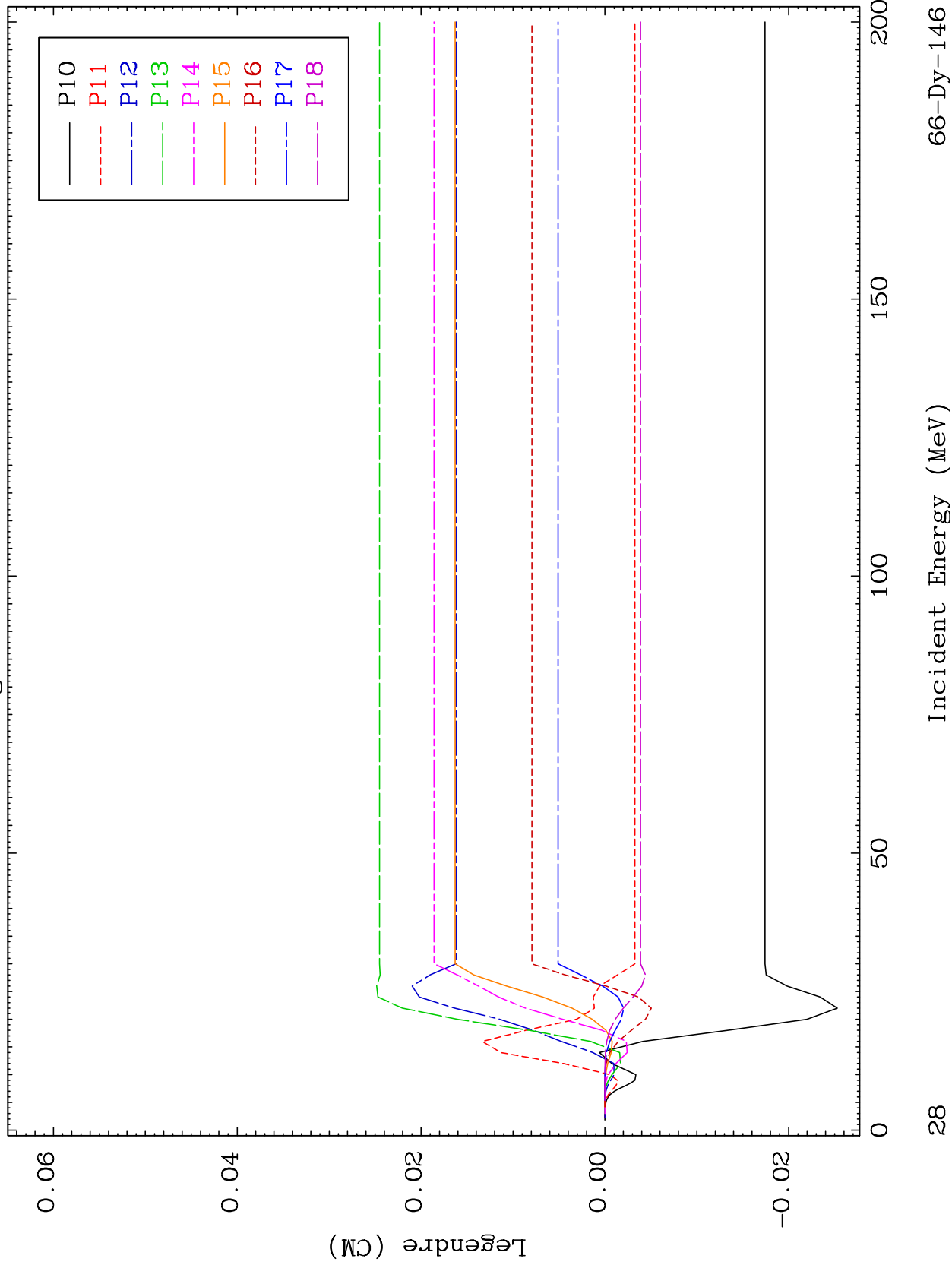
Incident Energy (MeV)

66-Dy-146

MAT 6595

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

66-Dy-146



66-Dy-146

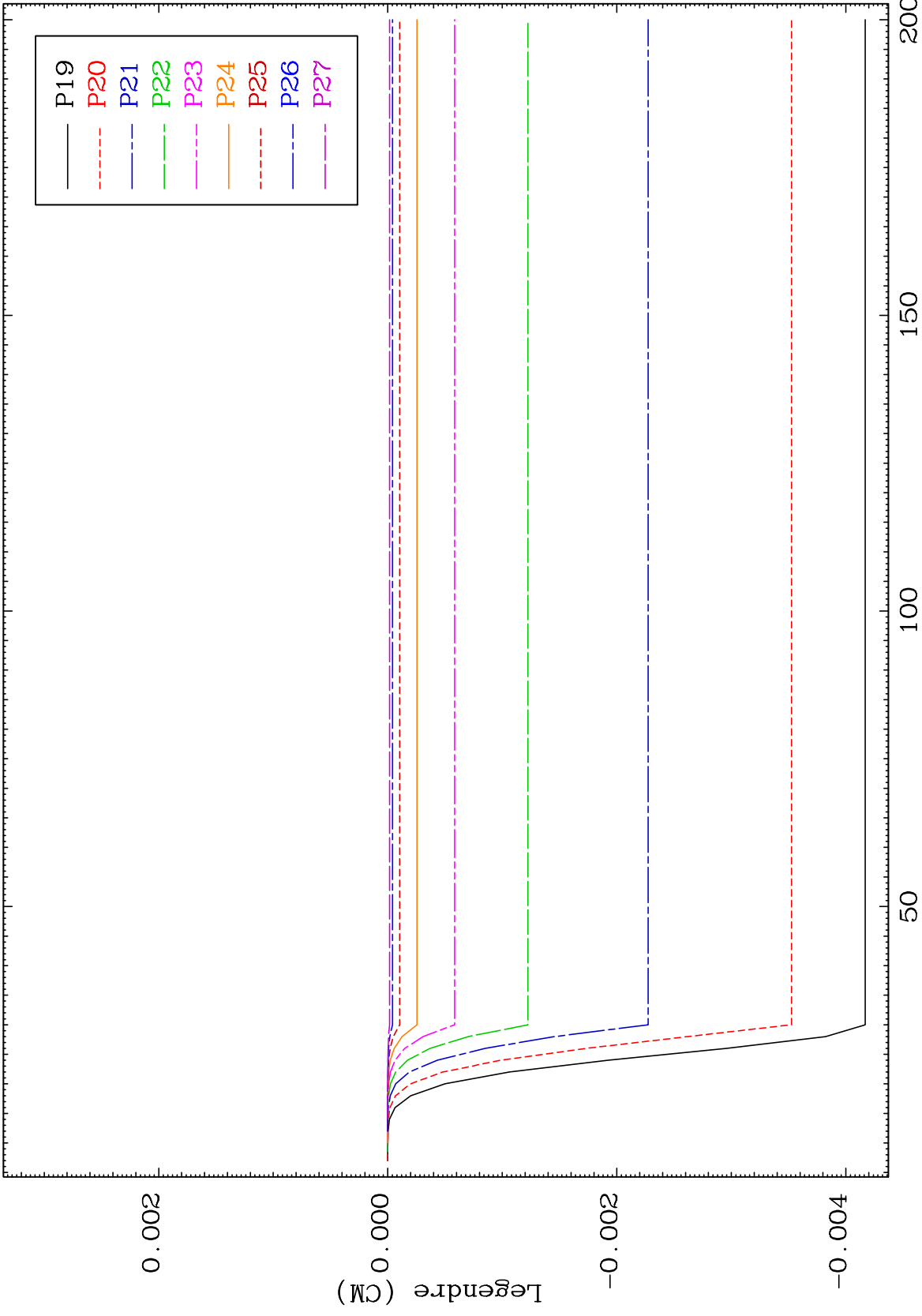
Incident Energy (MeV)

28

MAT 6595

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

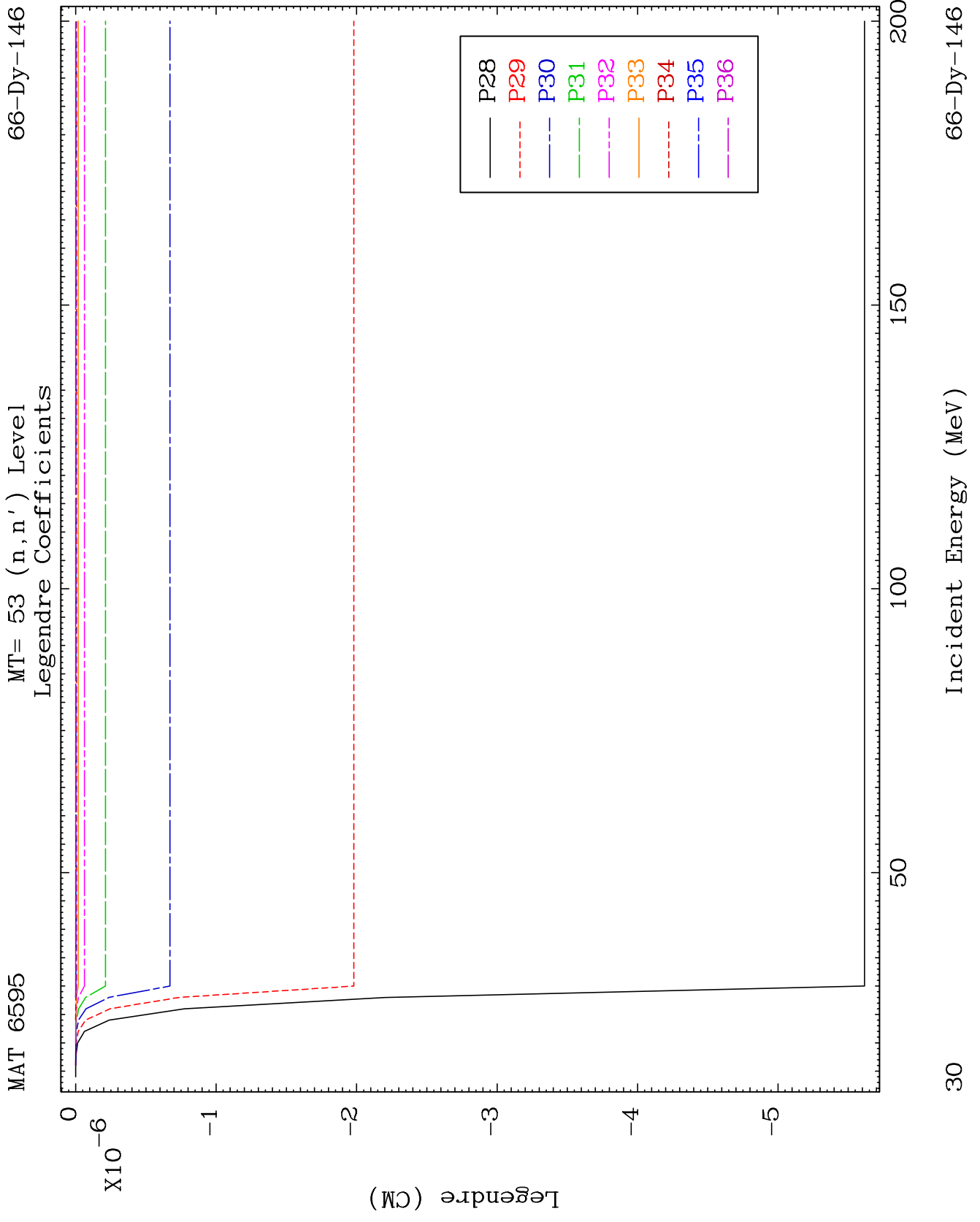
66-Dy-146

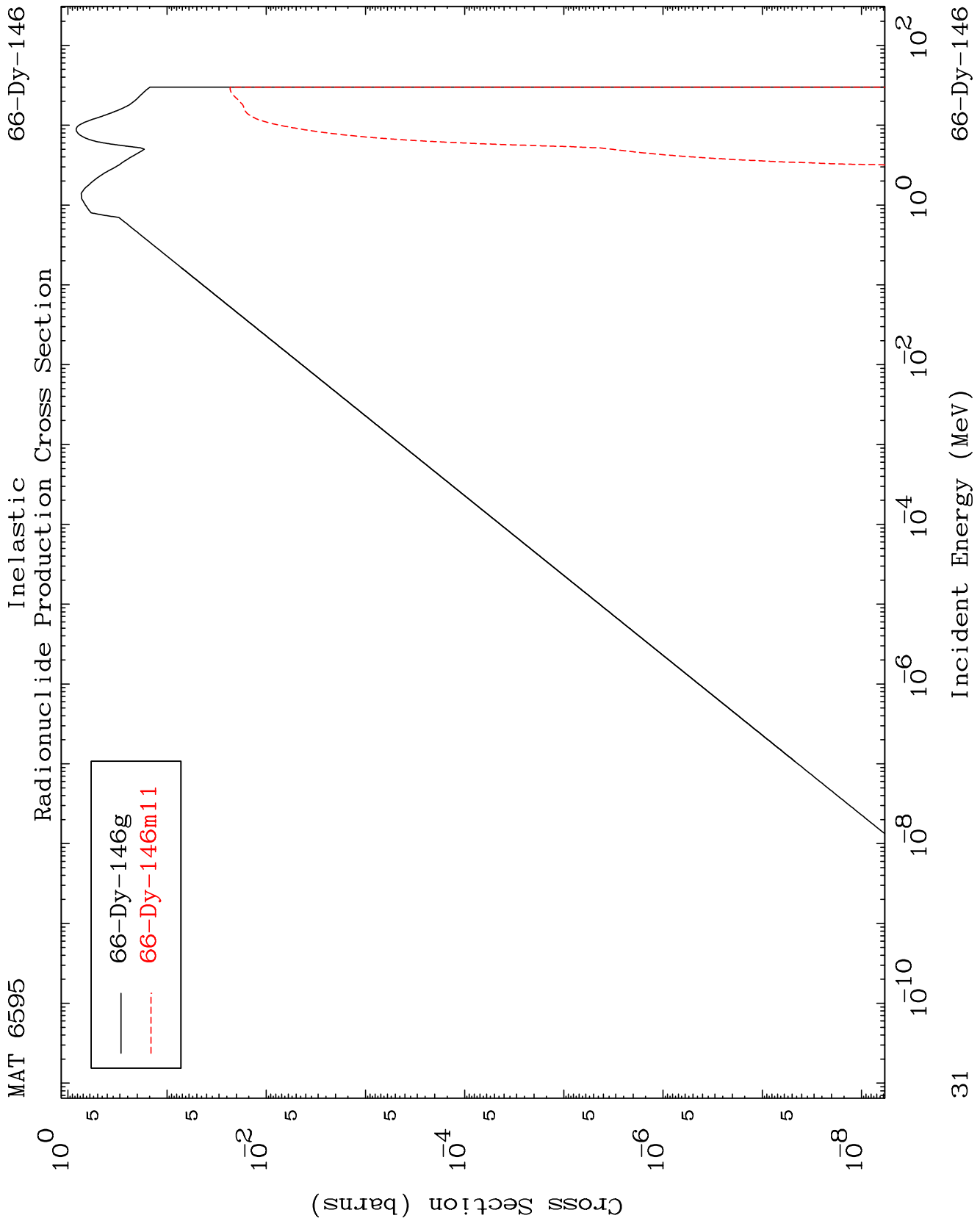


29

Incident Energy (MeV)

66-Dy-146



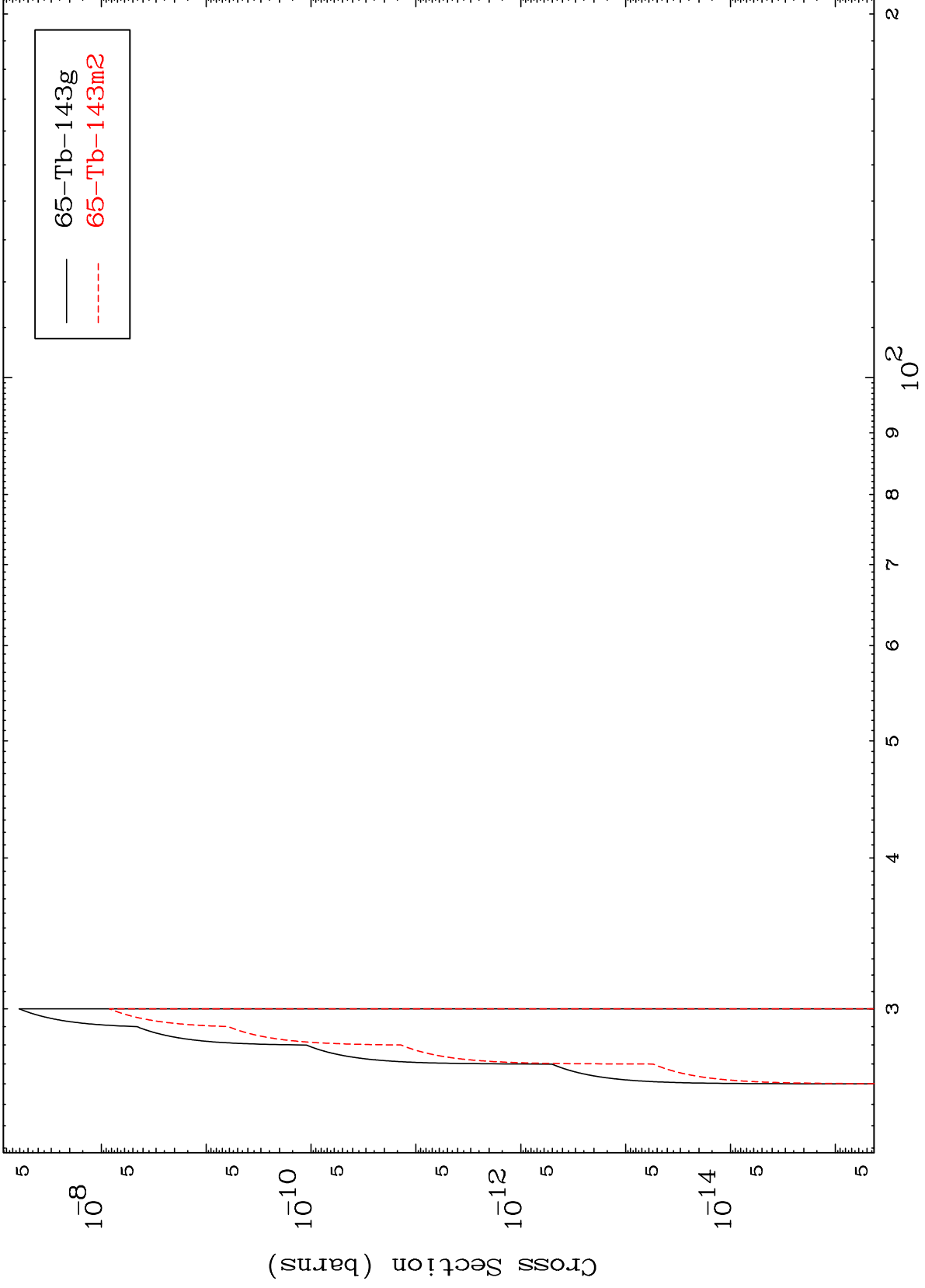


MAT 6595

(n,2n) d

66-Dy-146

Radionuclide Production Cross Section



32

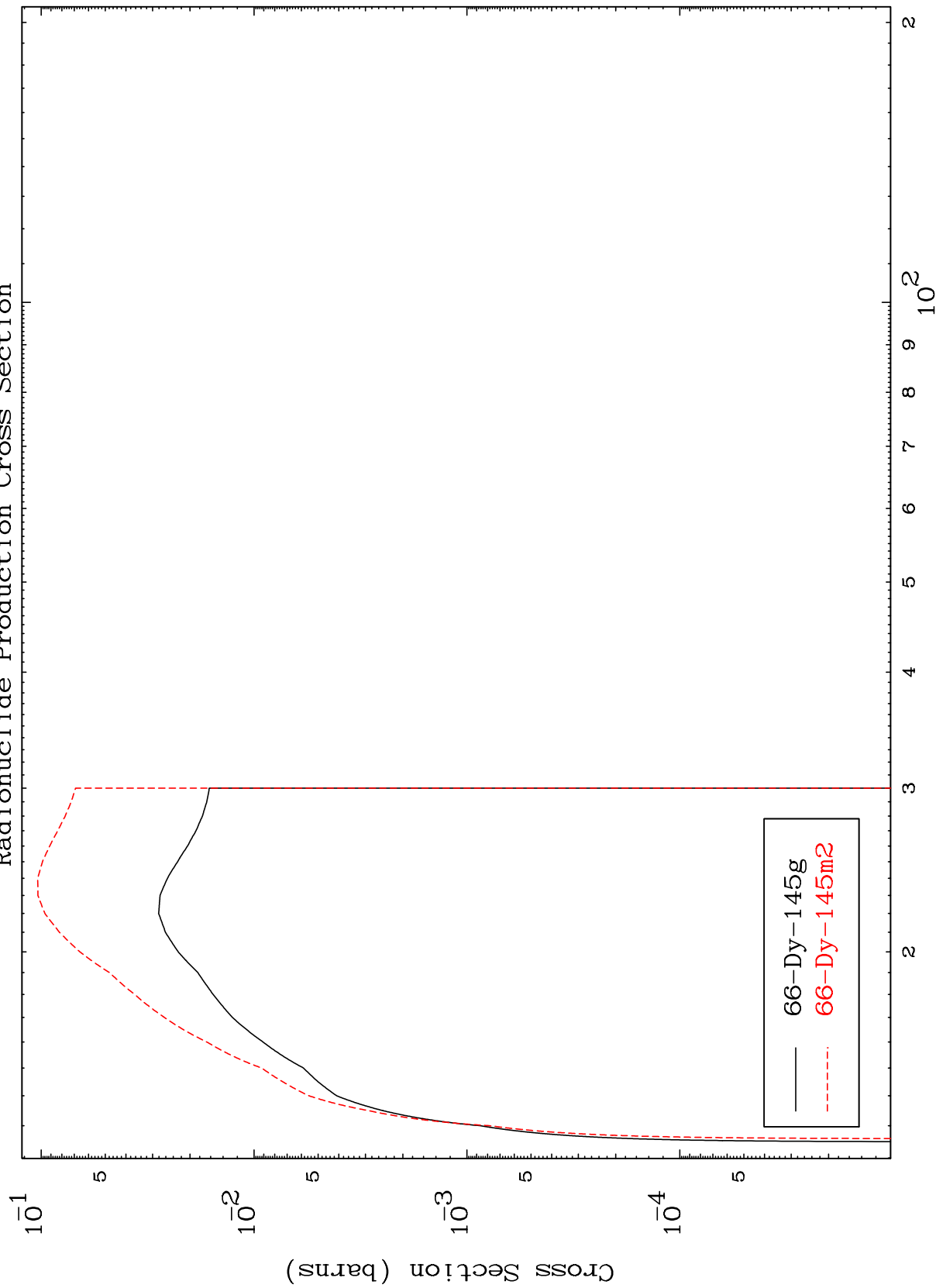
Incident Energy (MeV)

66-Dy-146

MAT 6595

66-Dy-146

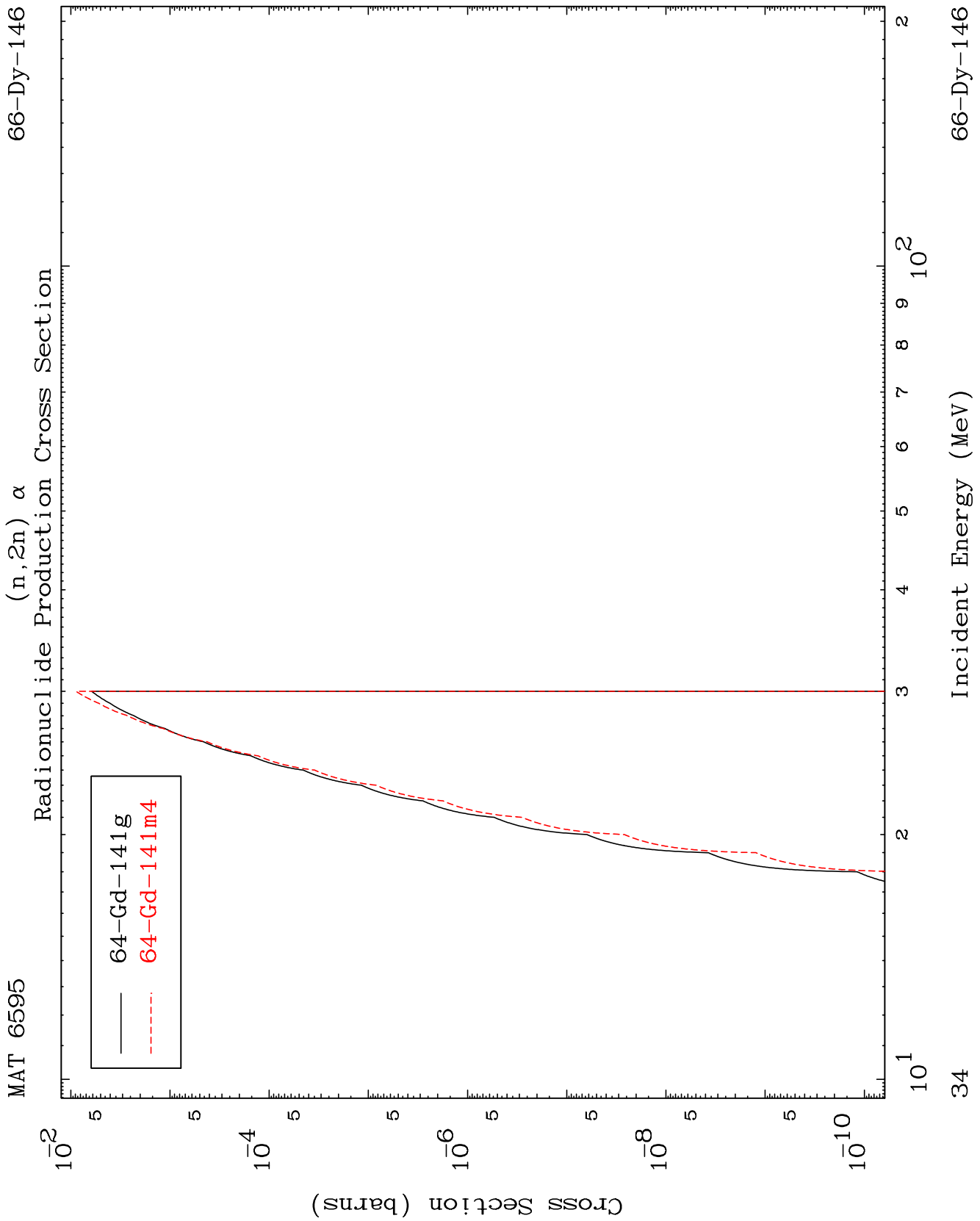
(n,2n)
Radionuclide Production Cross Section



66-Dy-146

Incident Energy (MeV)

33

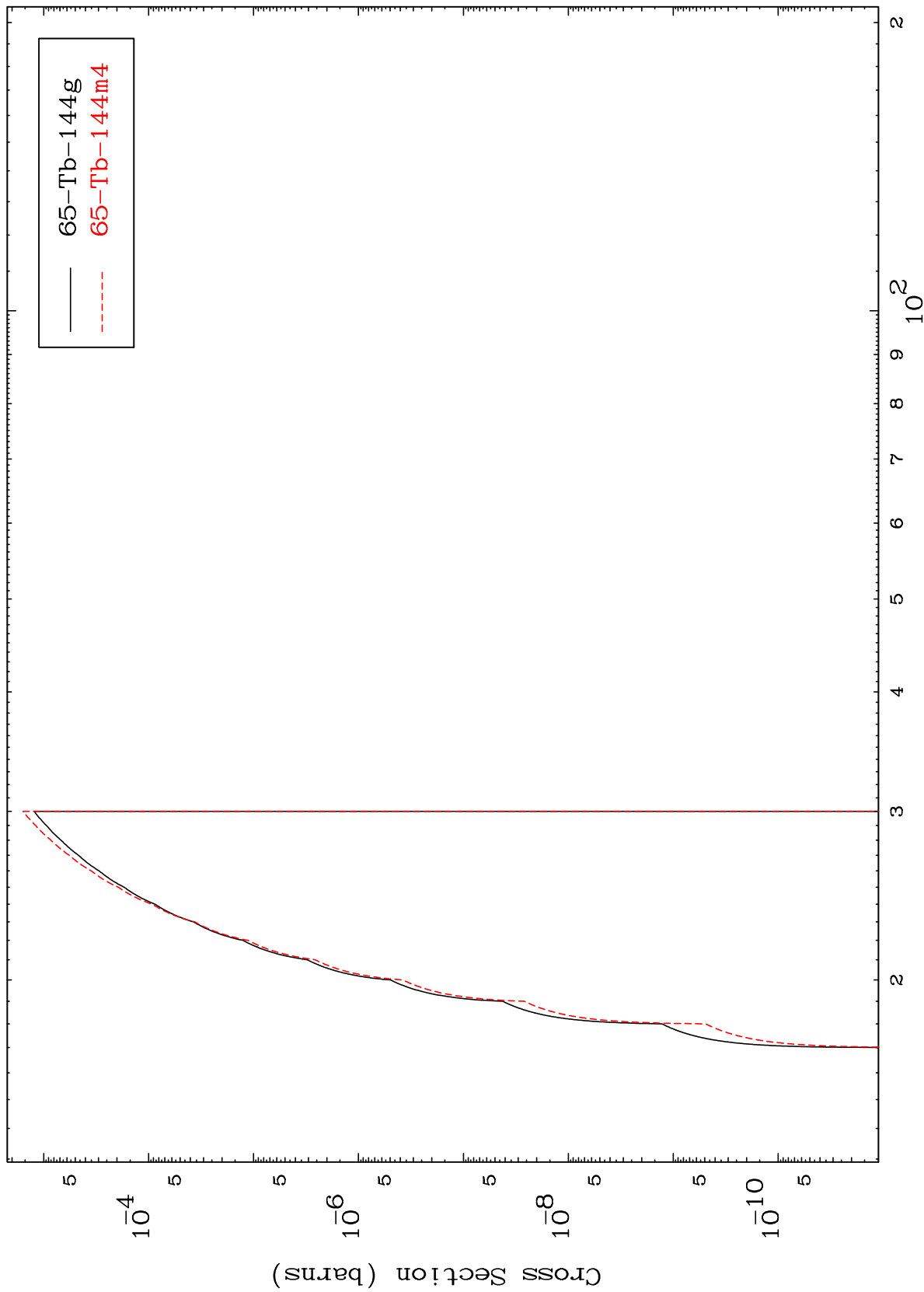


MAT 6595

(n,n') d

66-Dy-146

Radionuclide Production Cross Section



35

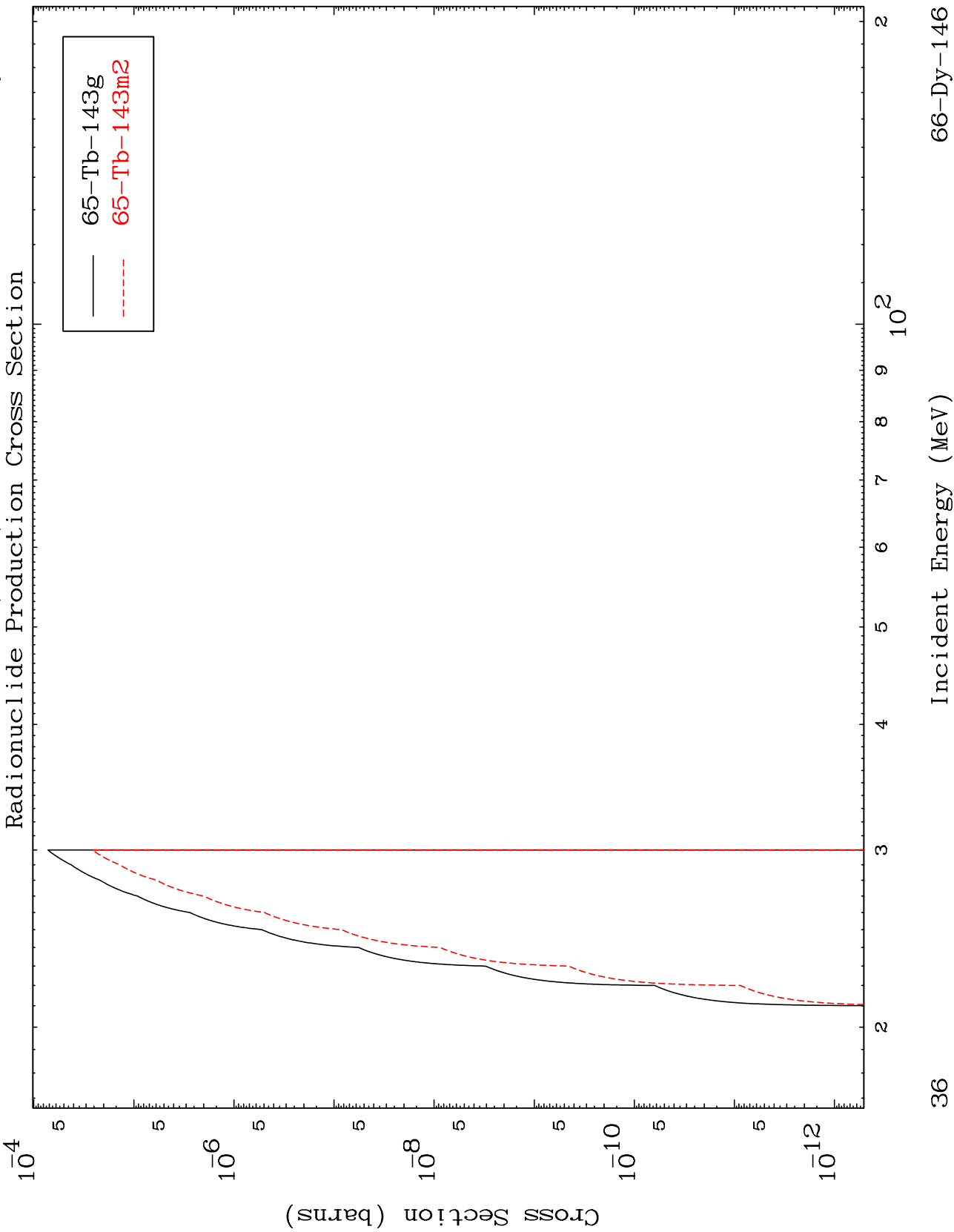
Incident Energy (MeV)

66-Dy-146

MAT 6595

(n,n') t

66-Dy-146



36

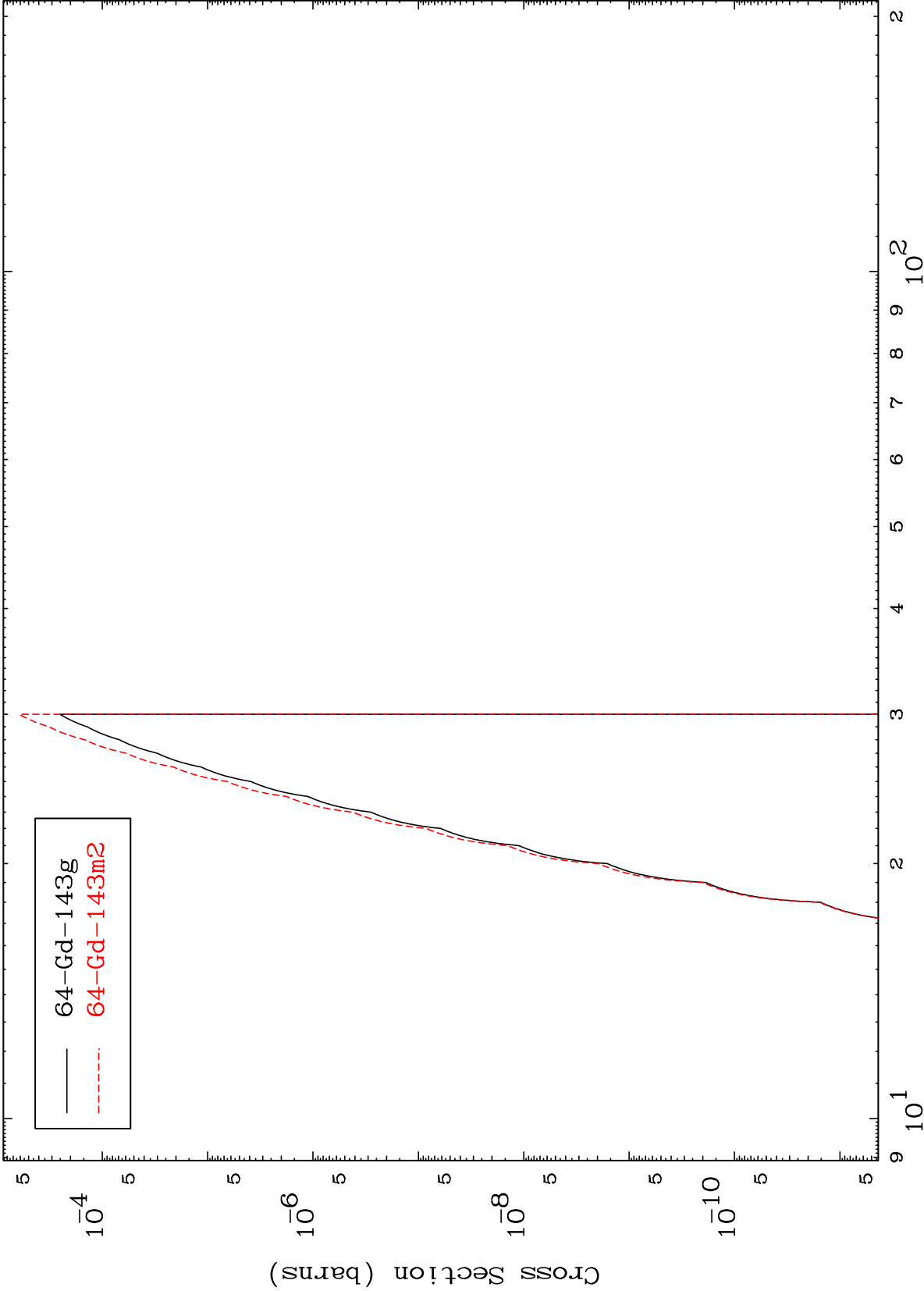
66-Dy-146

MAT 6595

(n,n') He-3

66-Dy-146

Radionuclide Production Cross Section



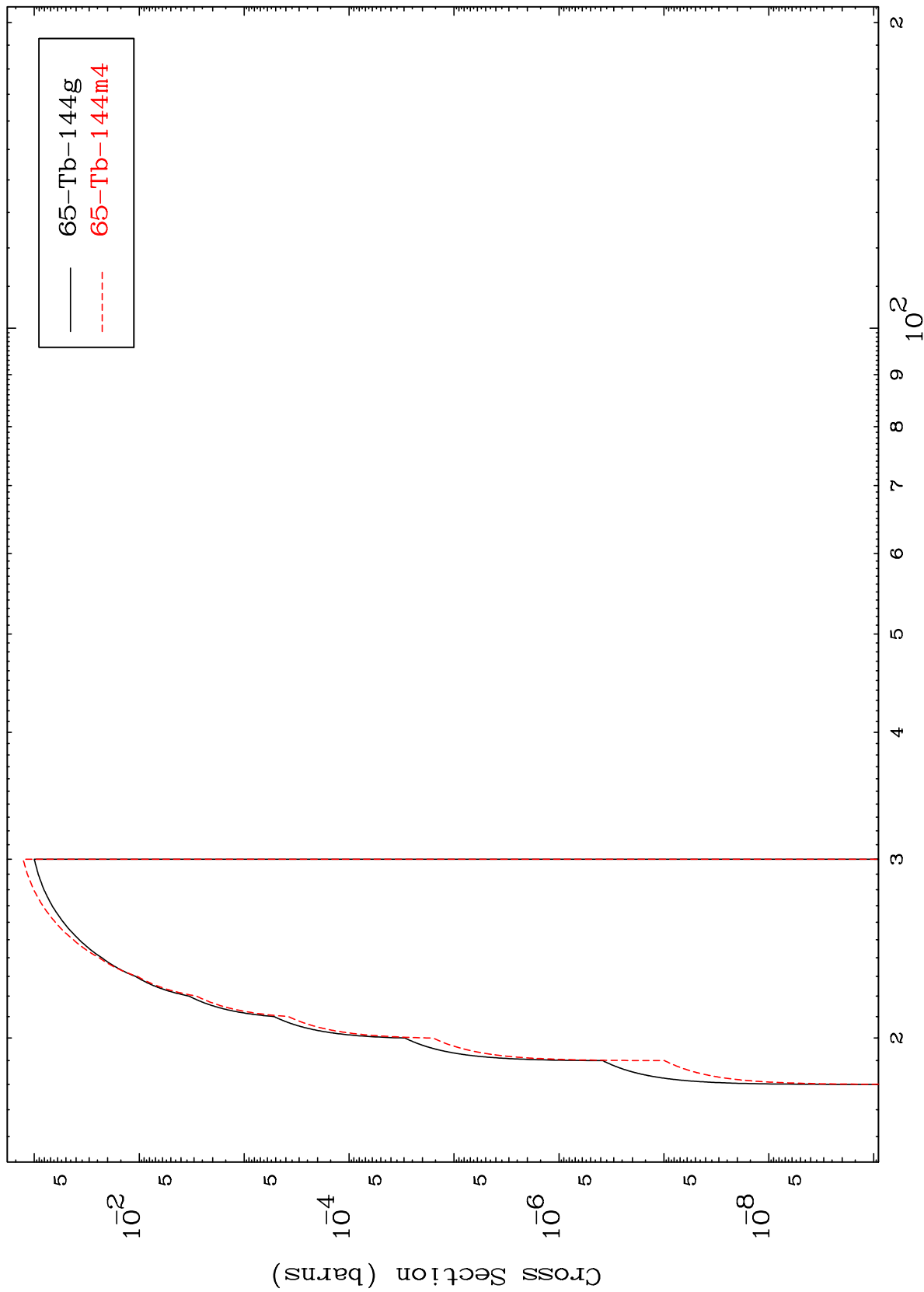
64-Gd-143g
64-Gd-143m2

37

Incident Energy (MeV)

66-Dy-146

Radionuclide Production Cross Section

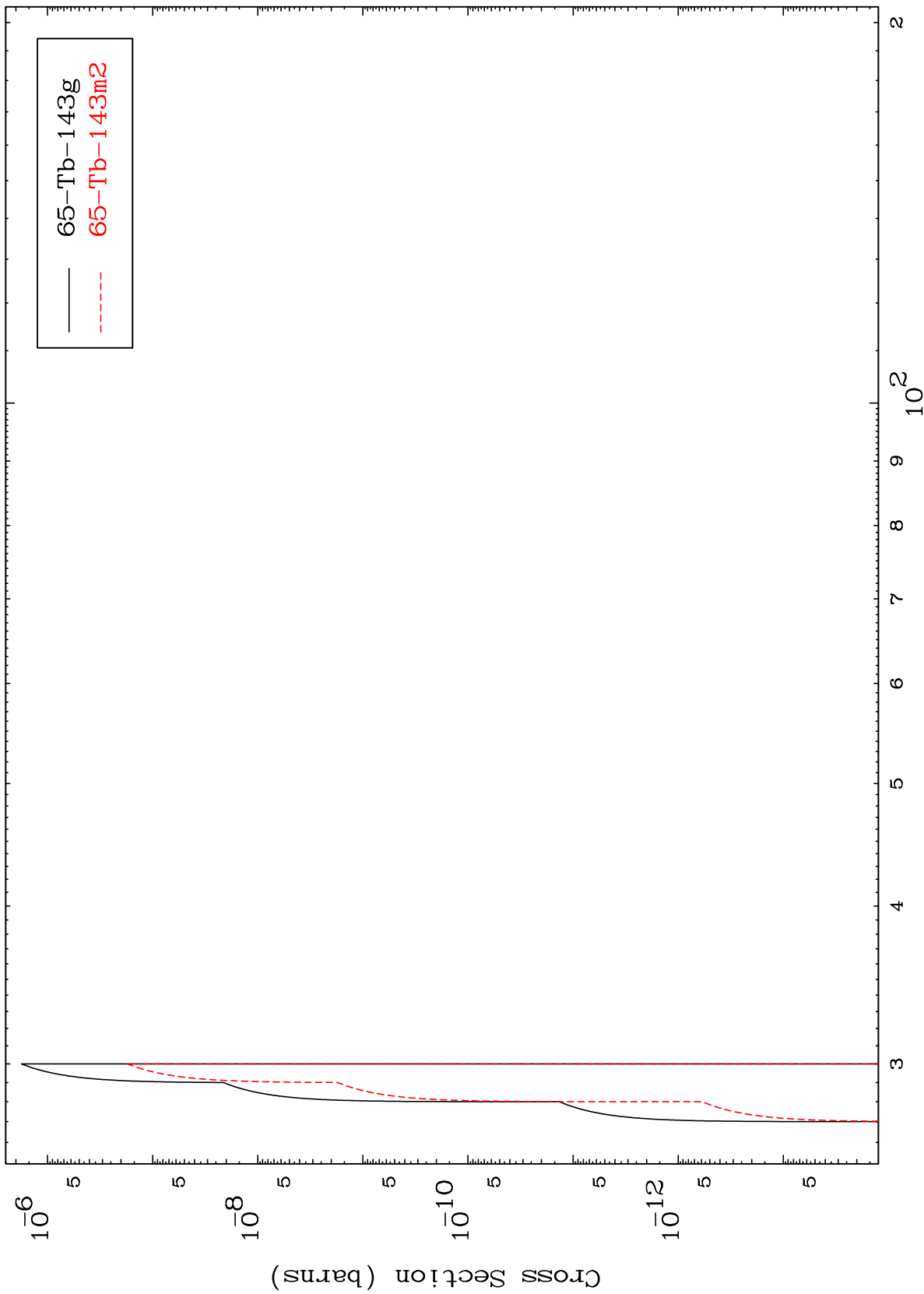


MAT 6595

(n,3n) p

66-Dy-146

Radionuclide Production Cross Section



39

Incident Energy (MeV)

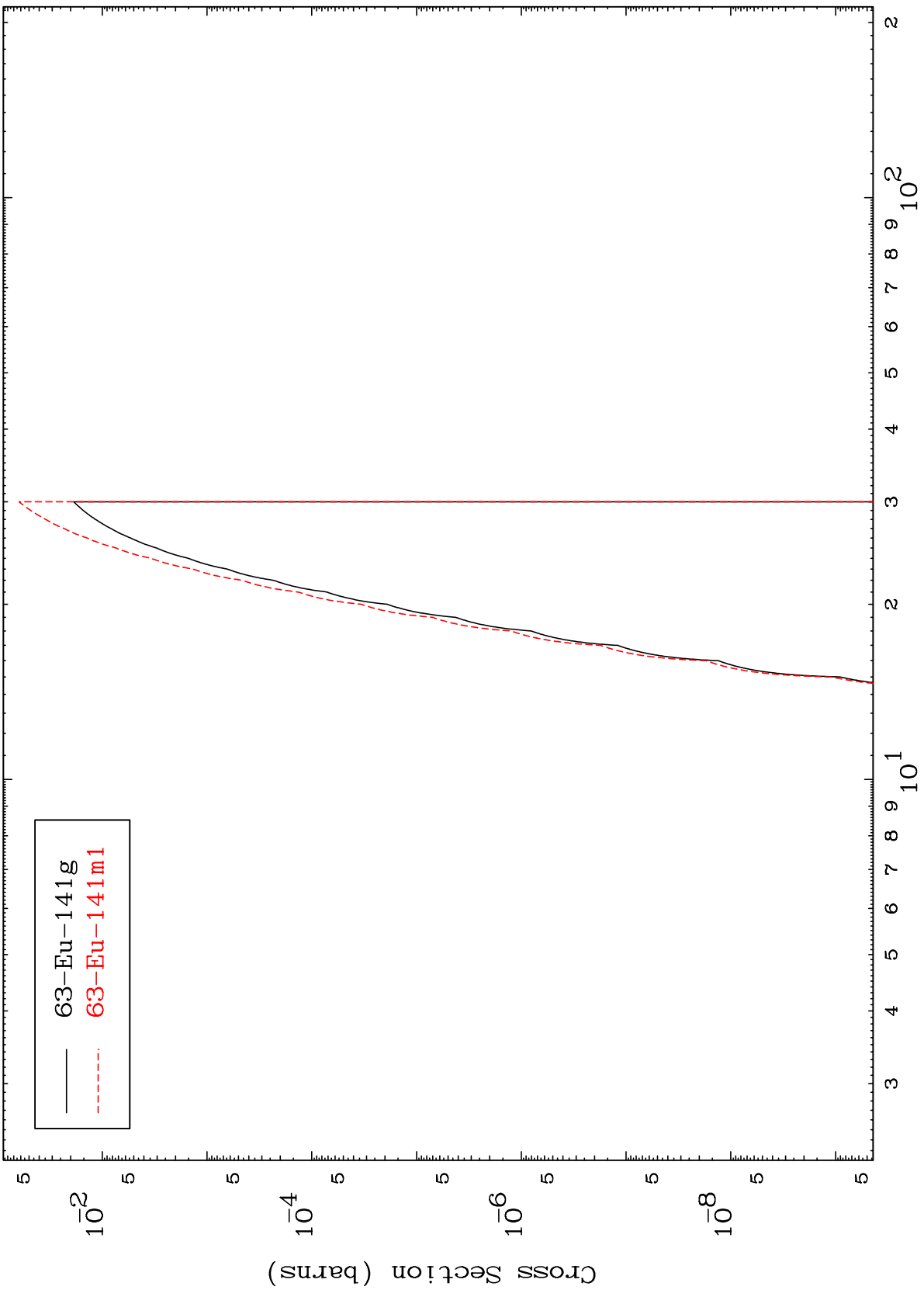
66-Dy-146

MAT 6595

(n,n') p α

66-Dy-146

Radionuclide Production Cross Section



63-Eu-141g
63-Eu-141m1

40

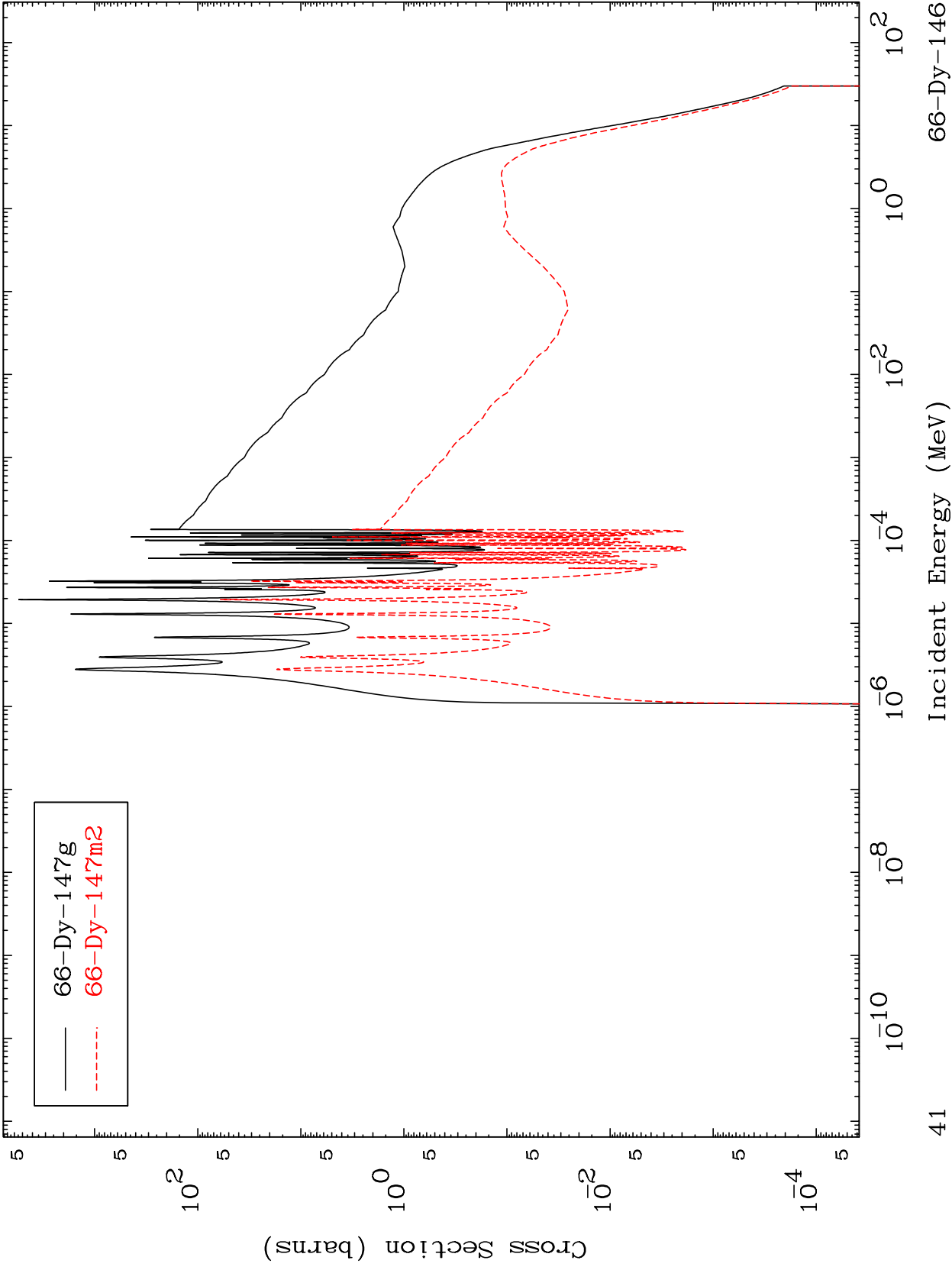
Incident Energy (MeV)

66-Dy-146

MAT 6595

66-Dy-146

(n,γ)
Radionuclide Production Cross Section



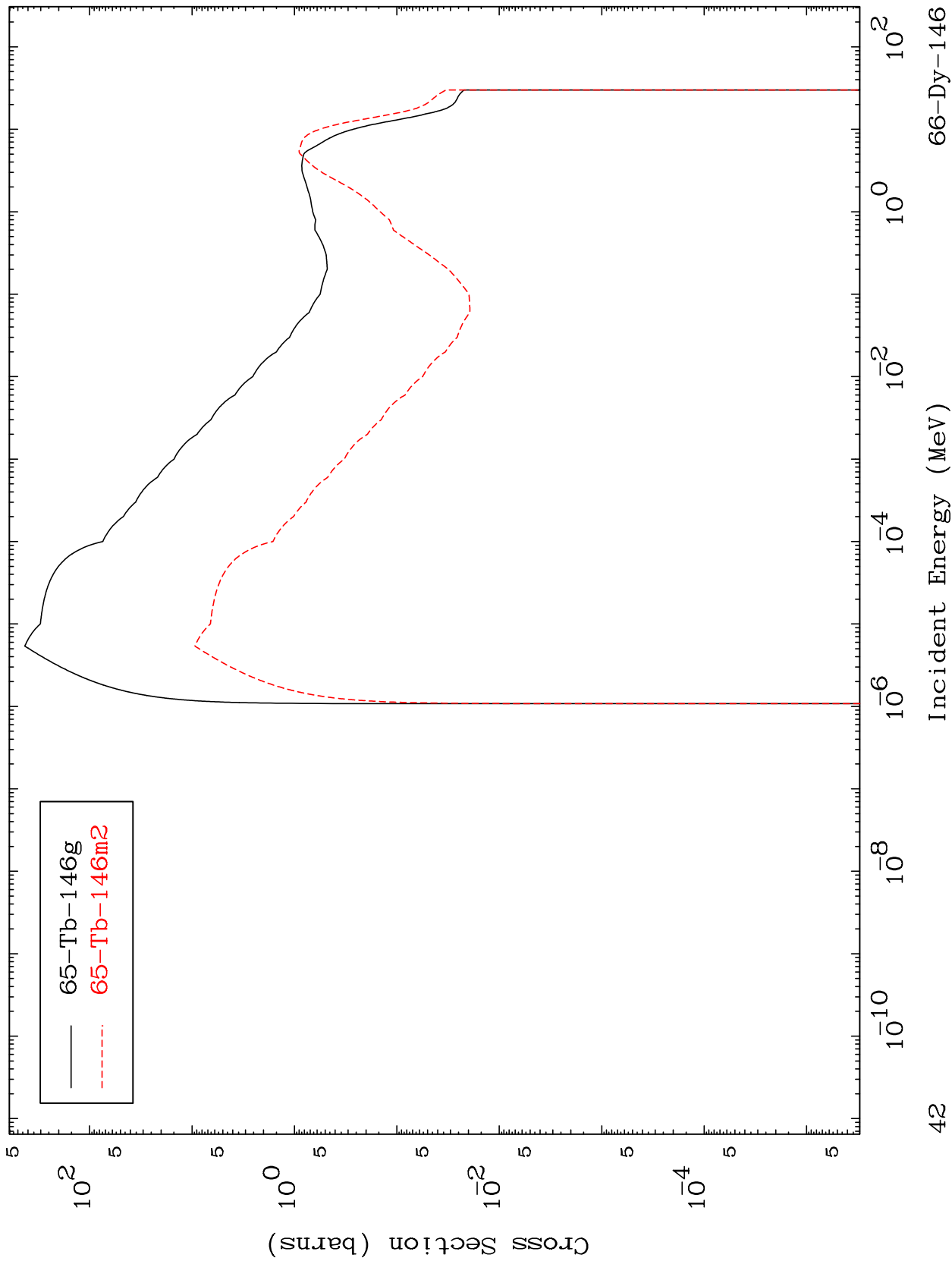
41

66-Dy-146

MAT 6595

66-Dy-146

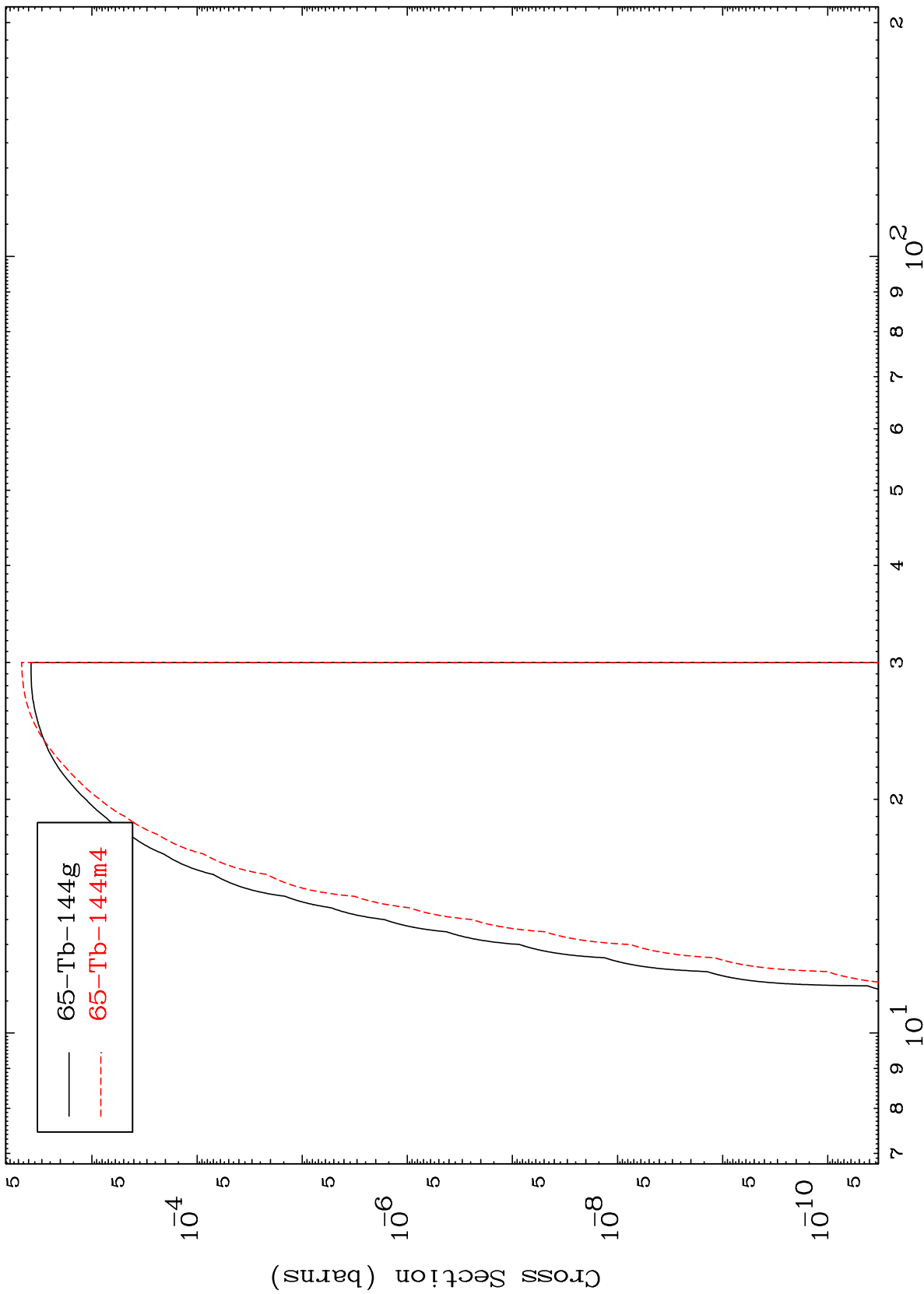
(n,p)
Radionuclide Production Cross Section



MAT 6595

66-Dy-146

(n,t)
Radionuclide Production Cross Section



65-Tb-144g
65-Tb-144m4

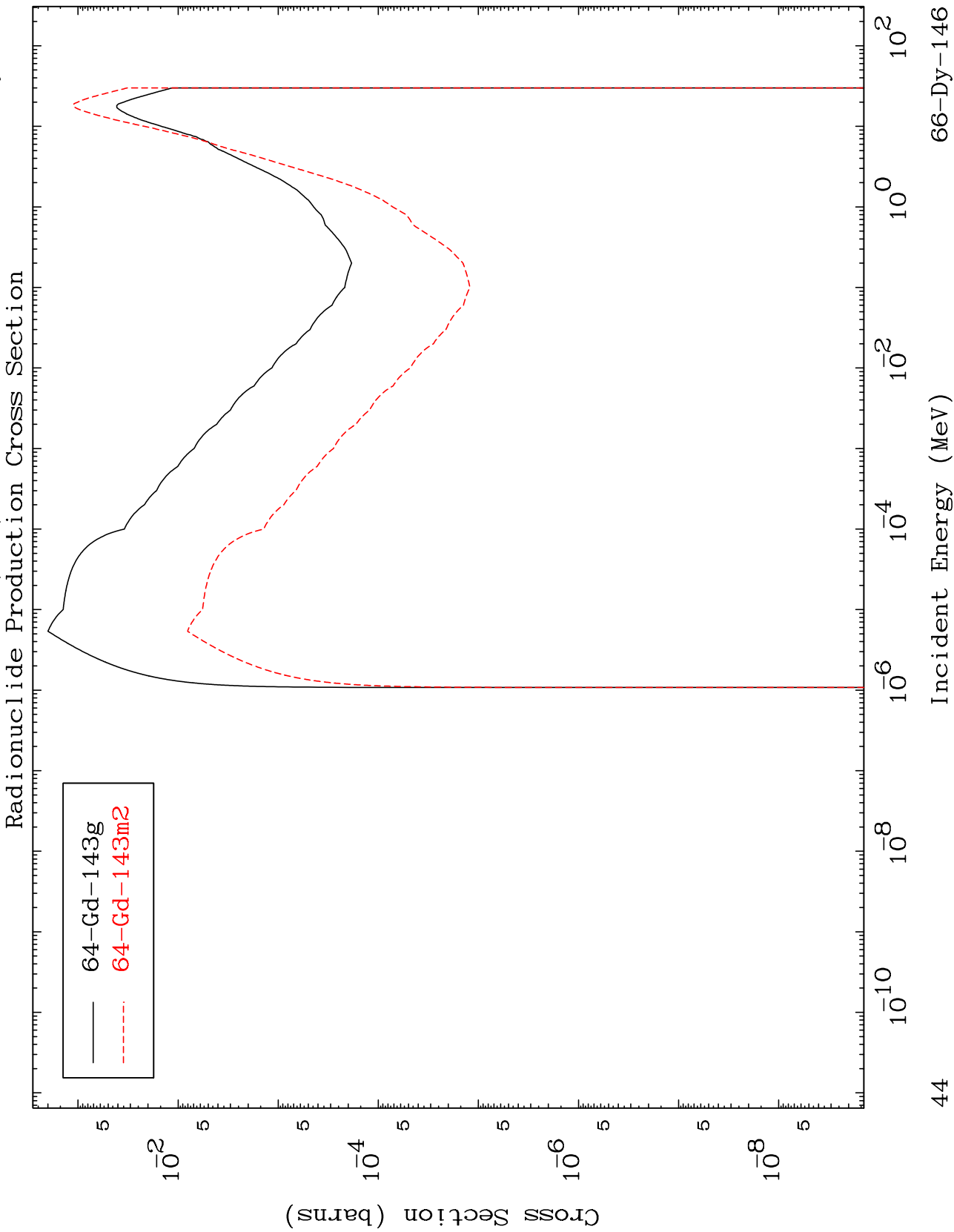
43

Incident Energy (MeV)

66-Dy-146

MAT 6595

66-Dy-146

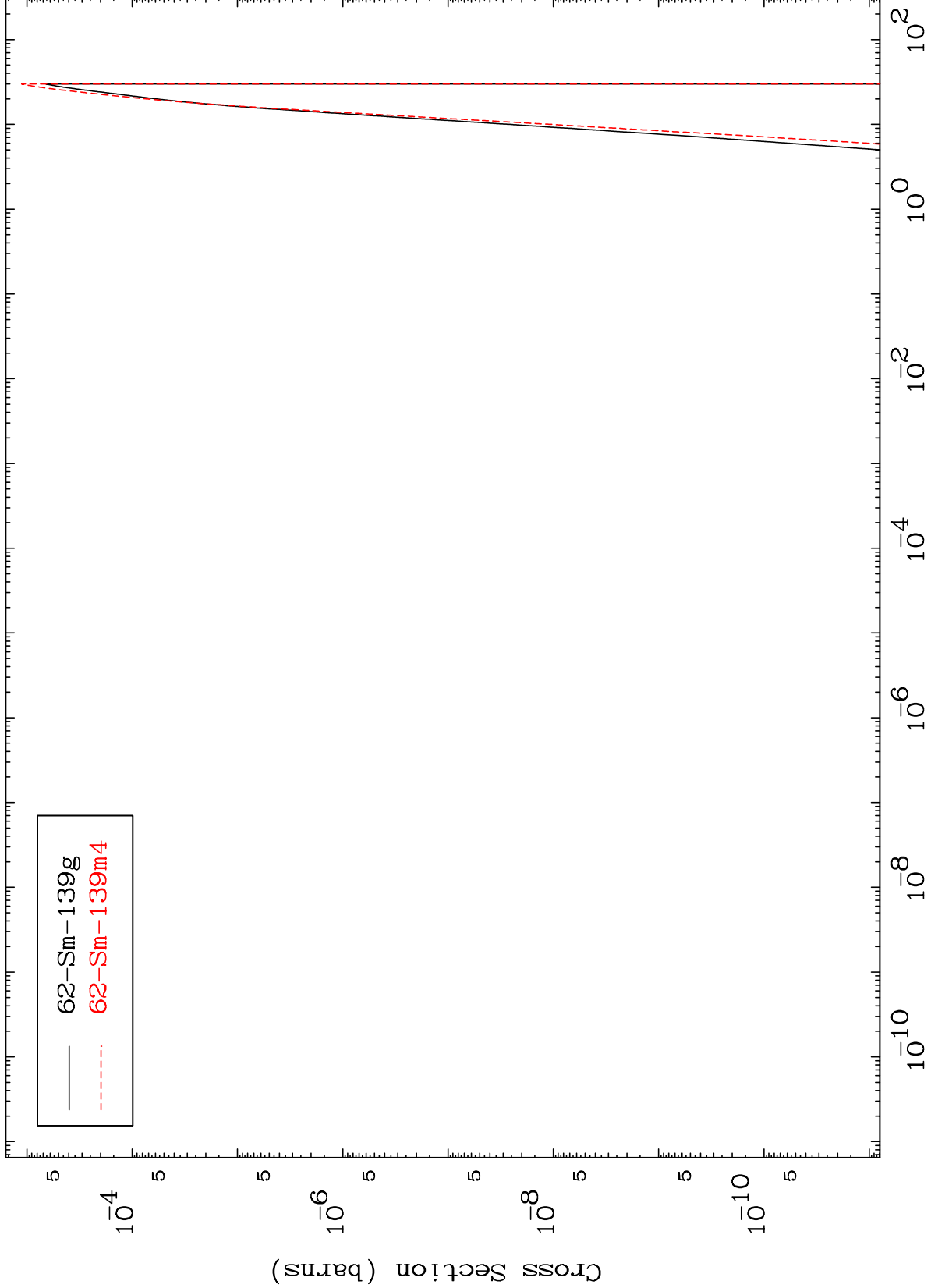
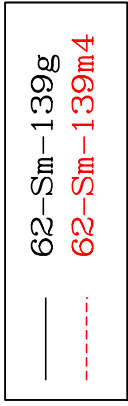


MAT 6595

(n,2α)

66-Dy-146

Radionuclide Production Cross Section

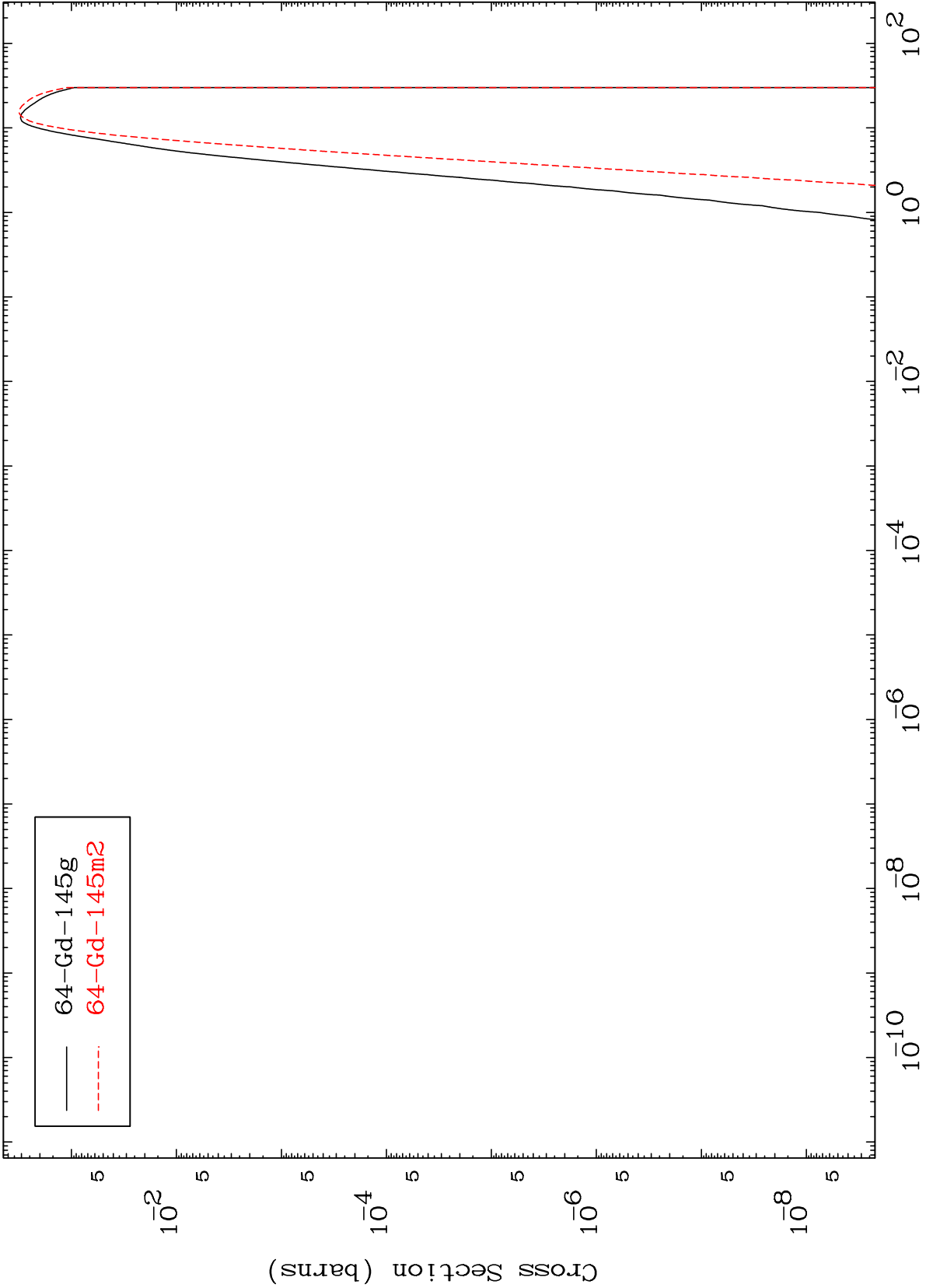


MAT 6595

(n,2p)

66-Dy-146

Radionuclide Production Cross Section



46

Incident Energy (MeV)

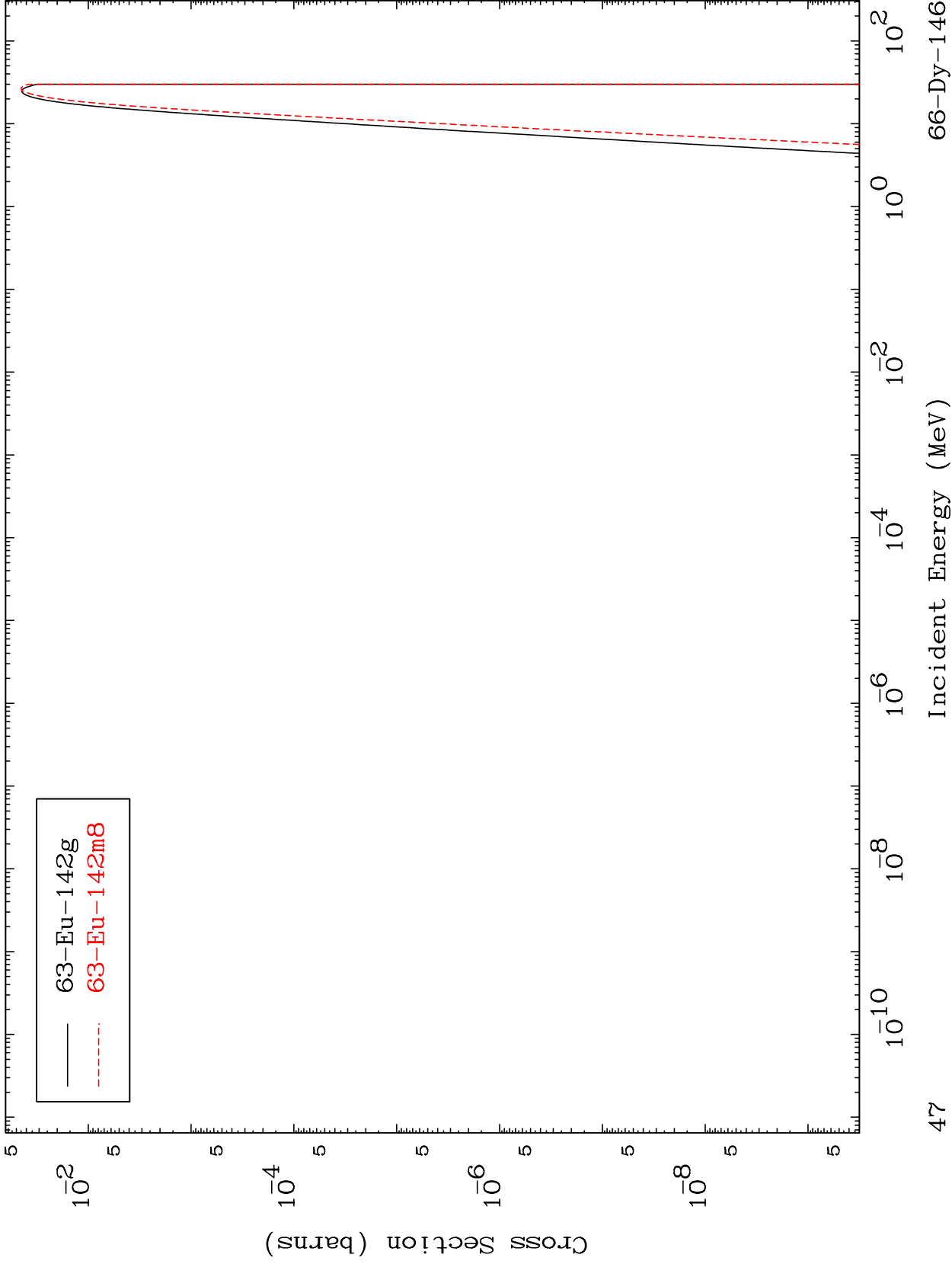
66-Dy-146

MAT 6595

(n,p) α

66-Dy-146

Radionuclide Production Cross Section

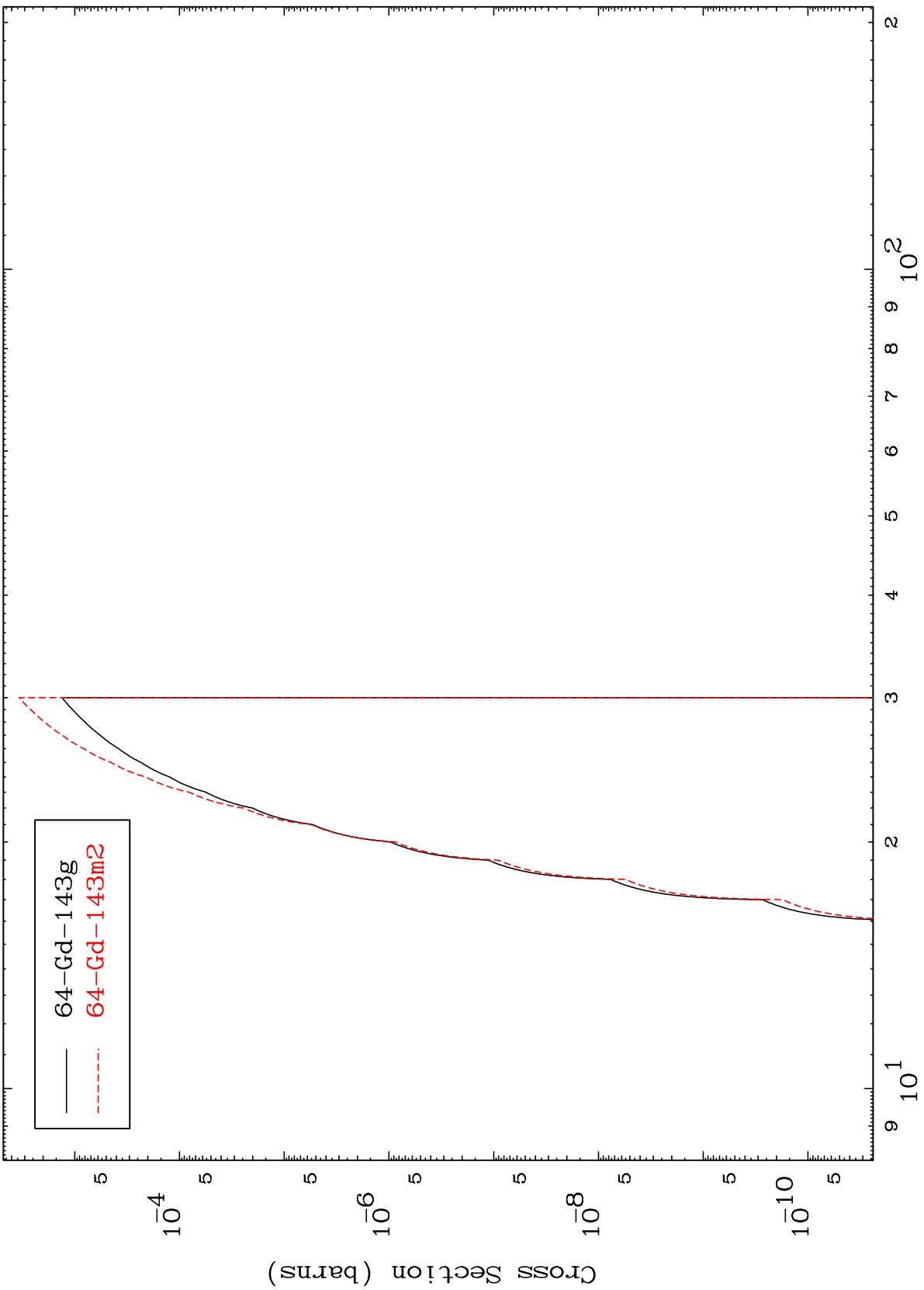


MAT 6595

(n,p) t

66-Dy-146

Radionuclide Production Cross Section



48

Incident Energy (MeV)

66-Dy-146

MAT 6595

(n,d) α

66-Dy-146

