

Program EVALPLOT
(Version 2018-1)

by

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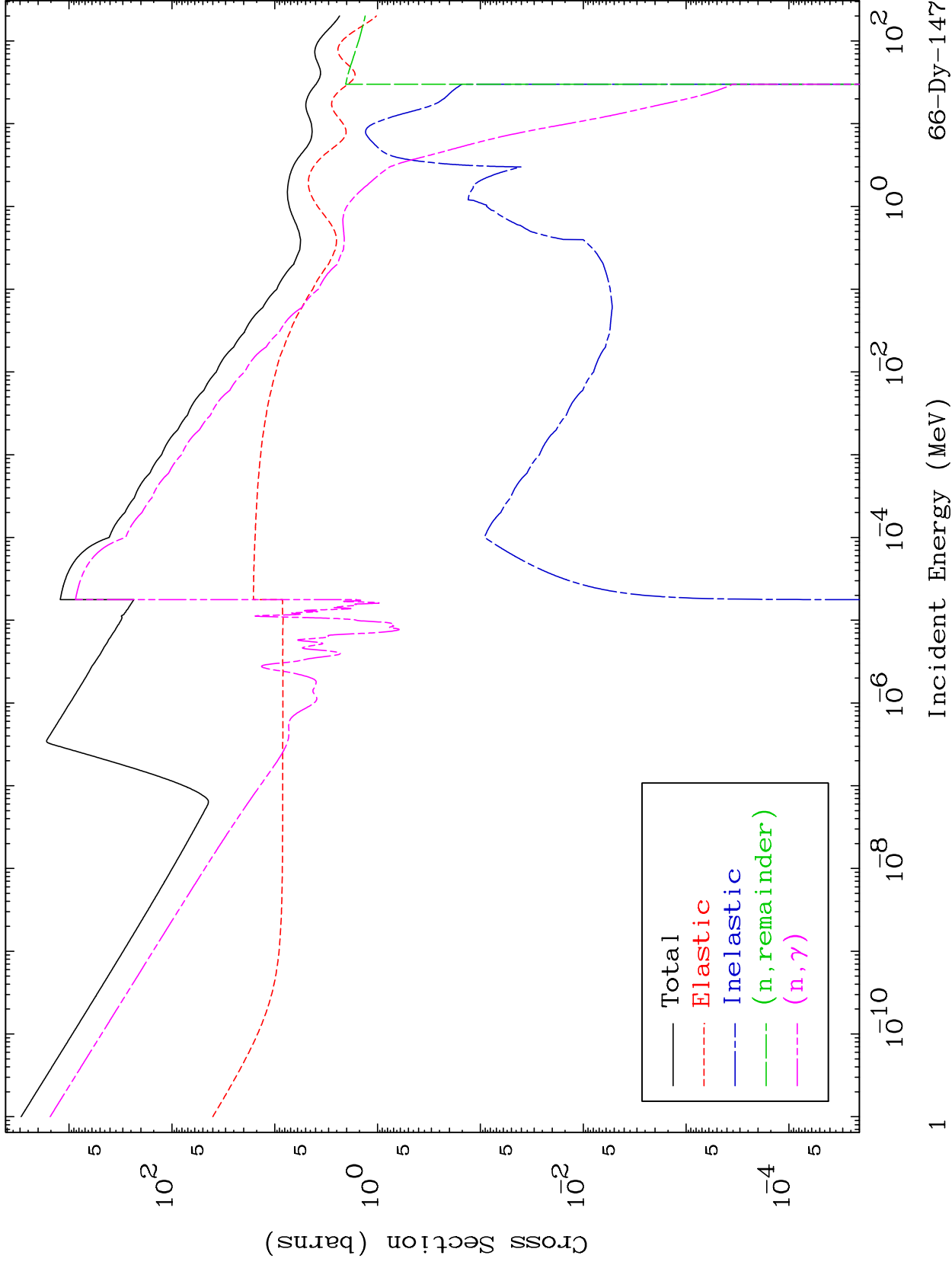
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6599

Major
293 Kelvin Cross Sections

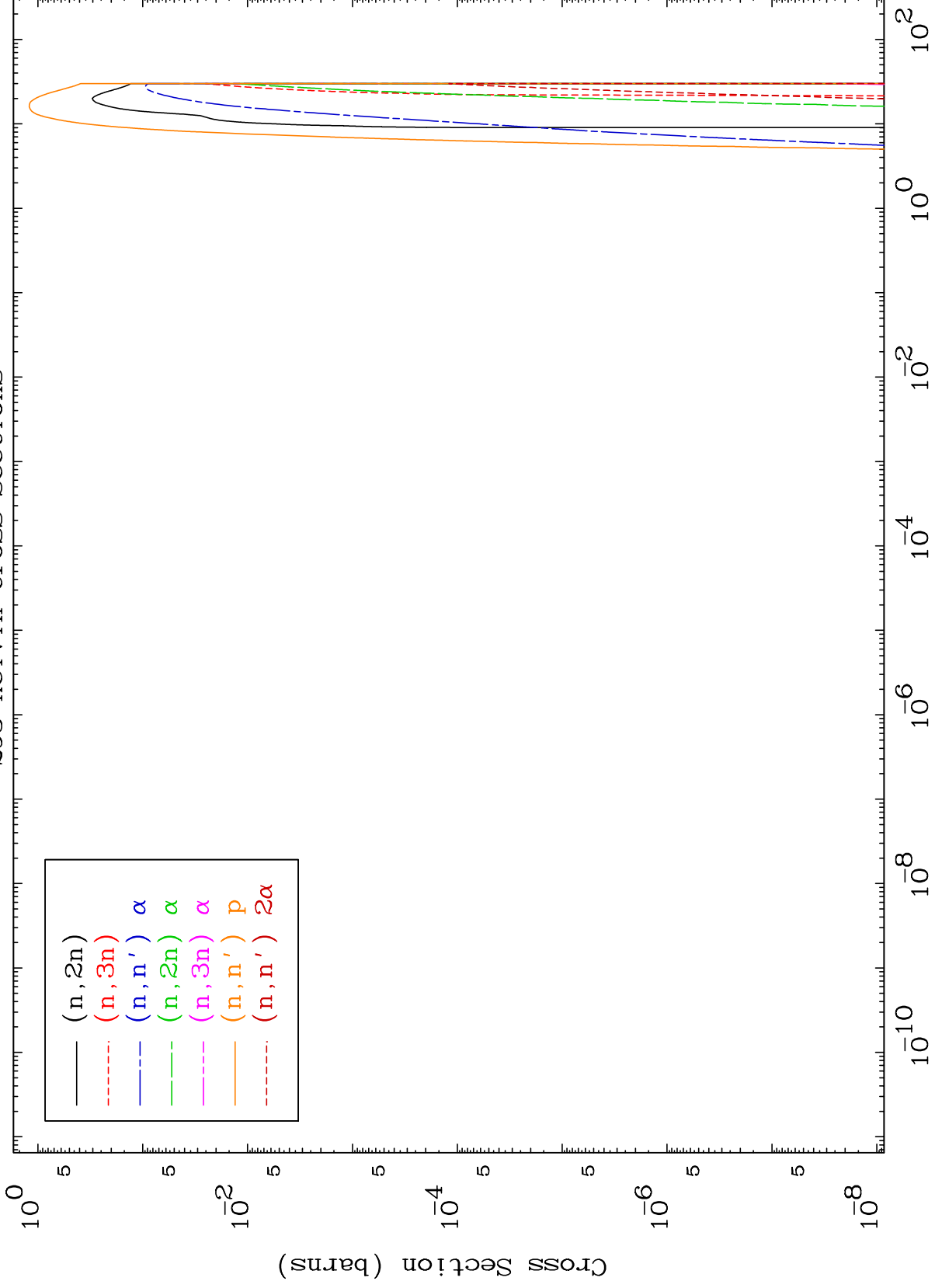
66-Dy-147



MAT 6599

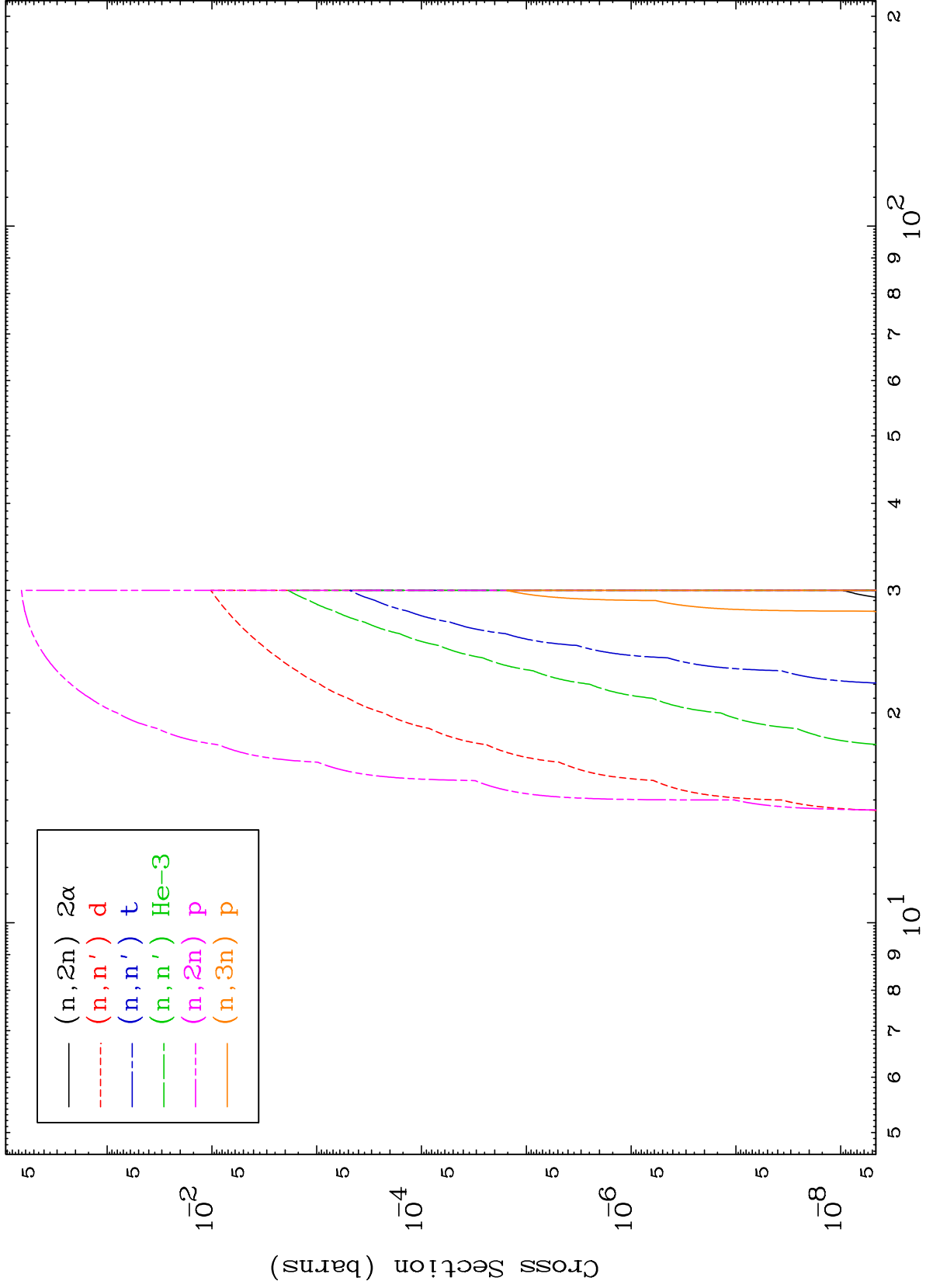
Neutron Production
293 Kelvin Cross Sections

66-Dy-147



66-Dy-147

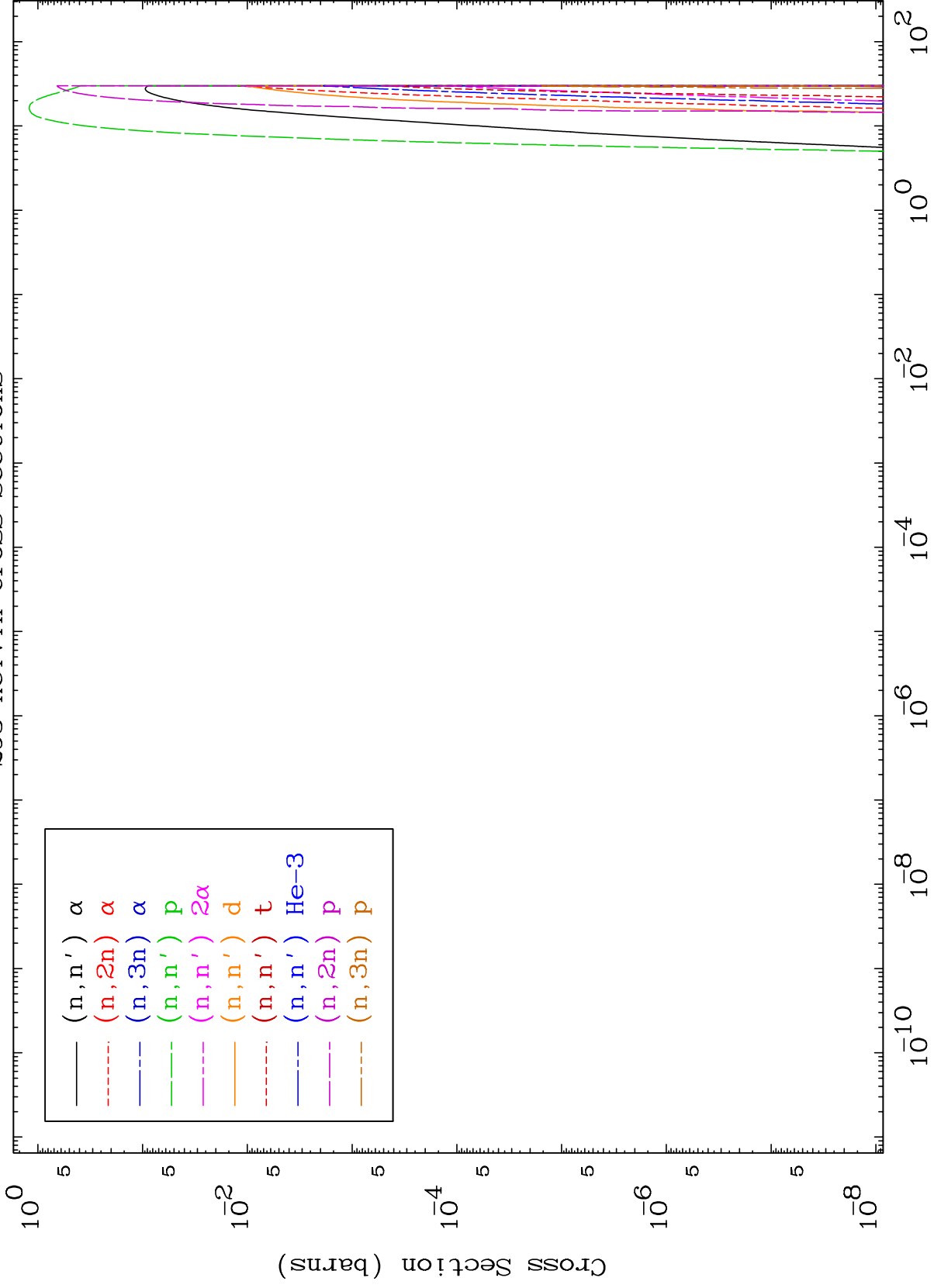
Incident Energy (MeV)

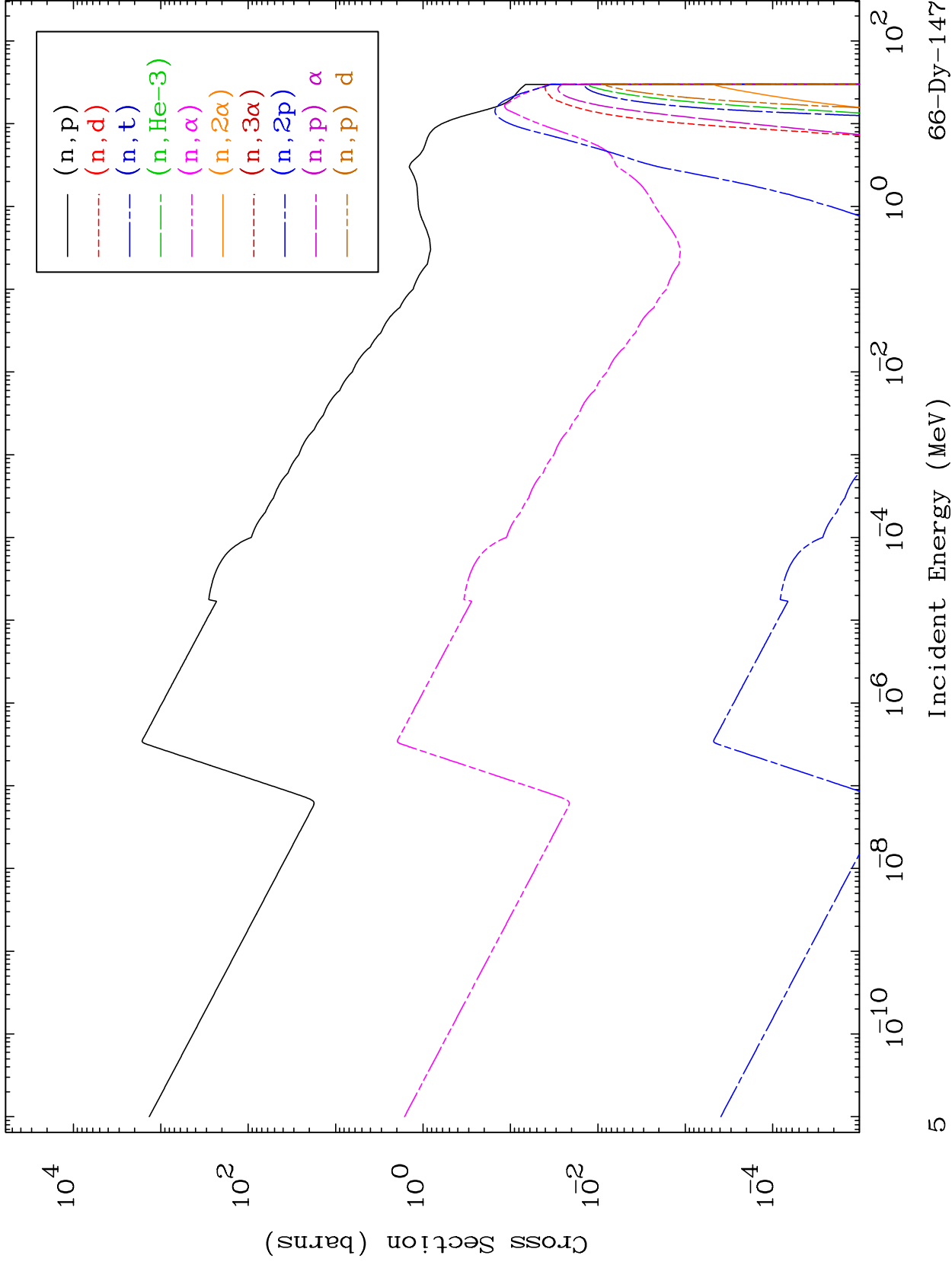


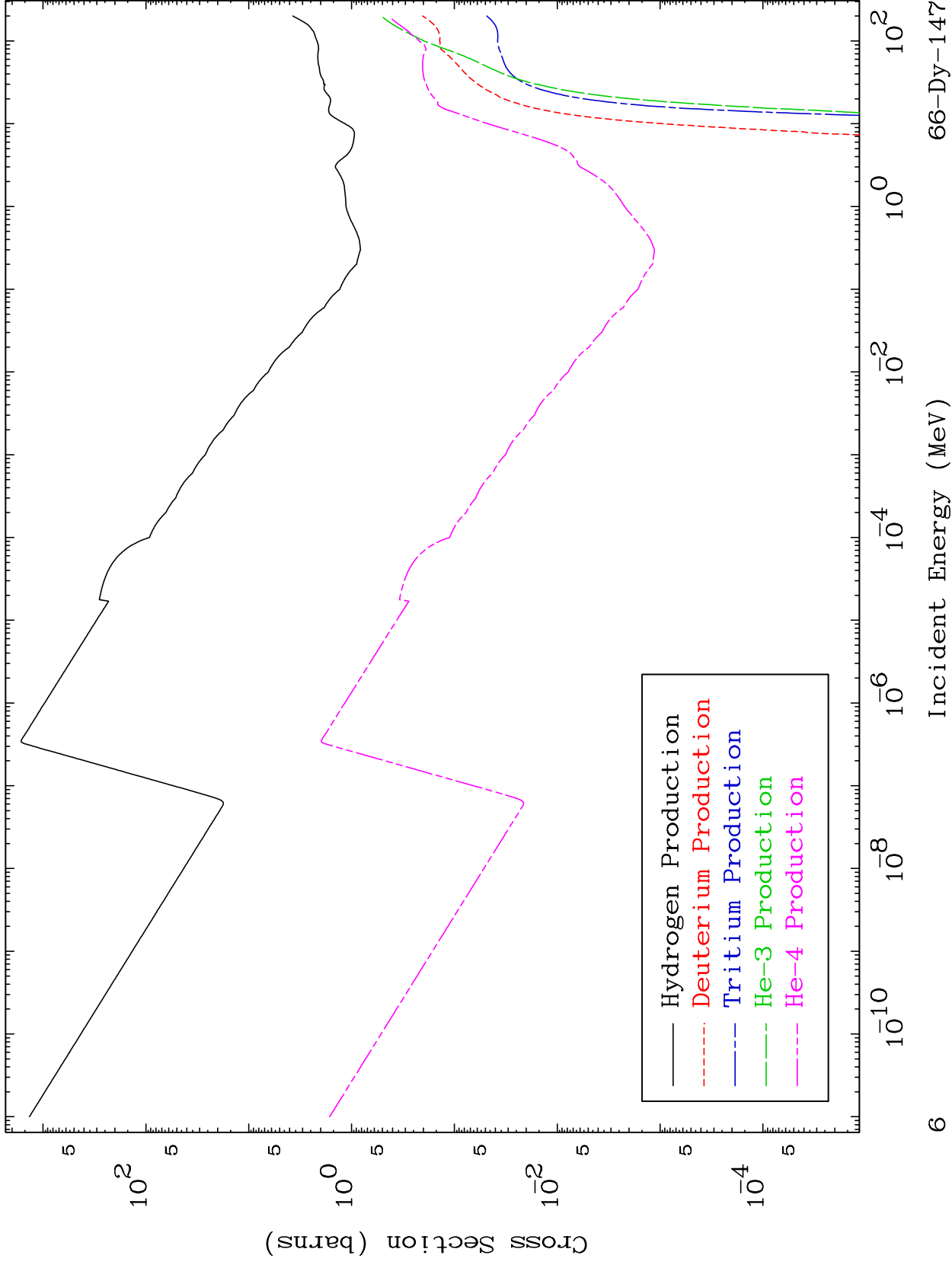
MAT 6599

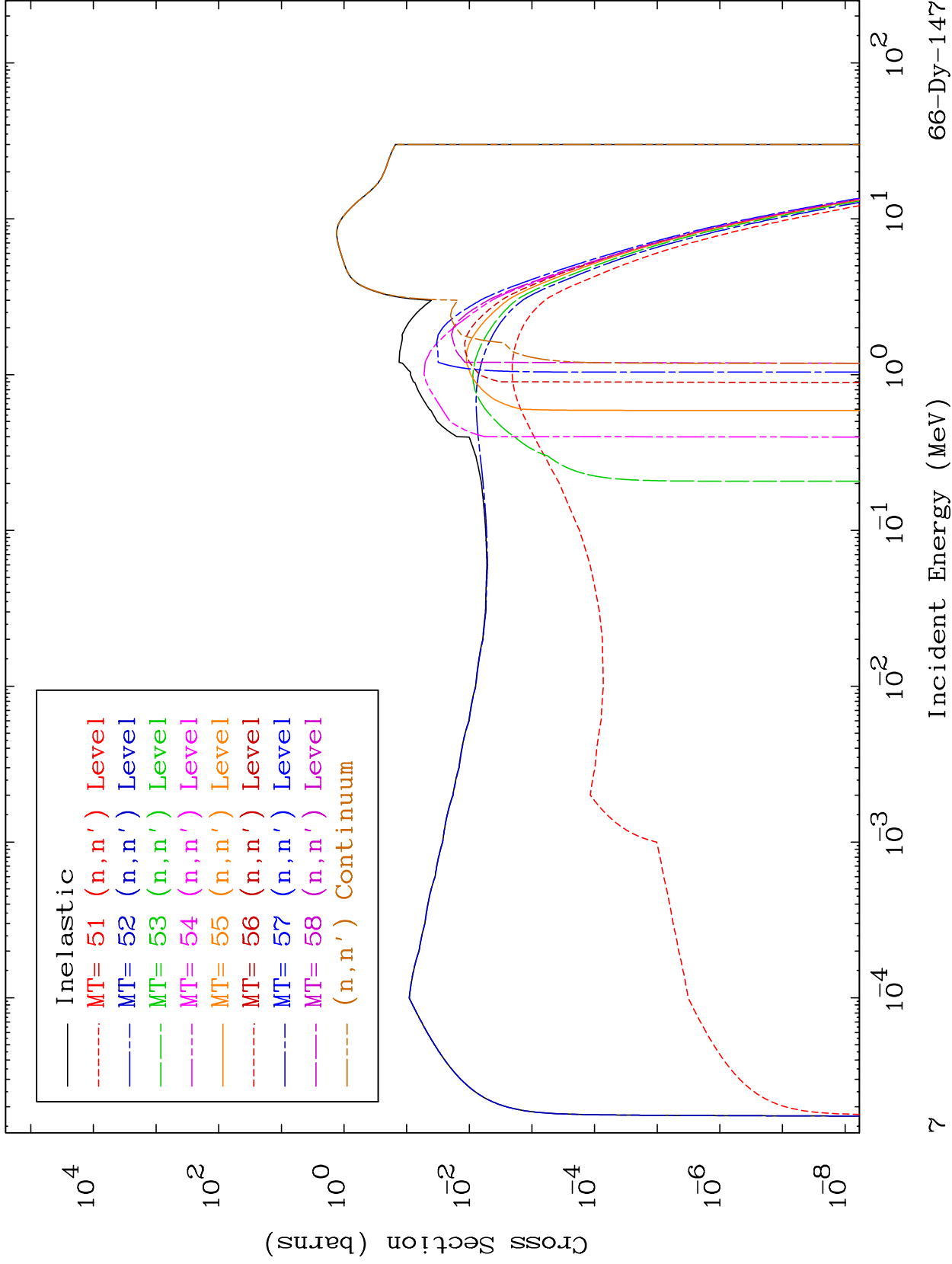
Charged Particle
293 Kelvin Cross Sections

66-Dy-147





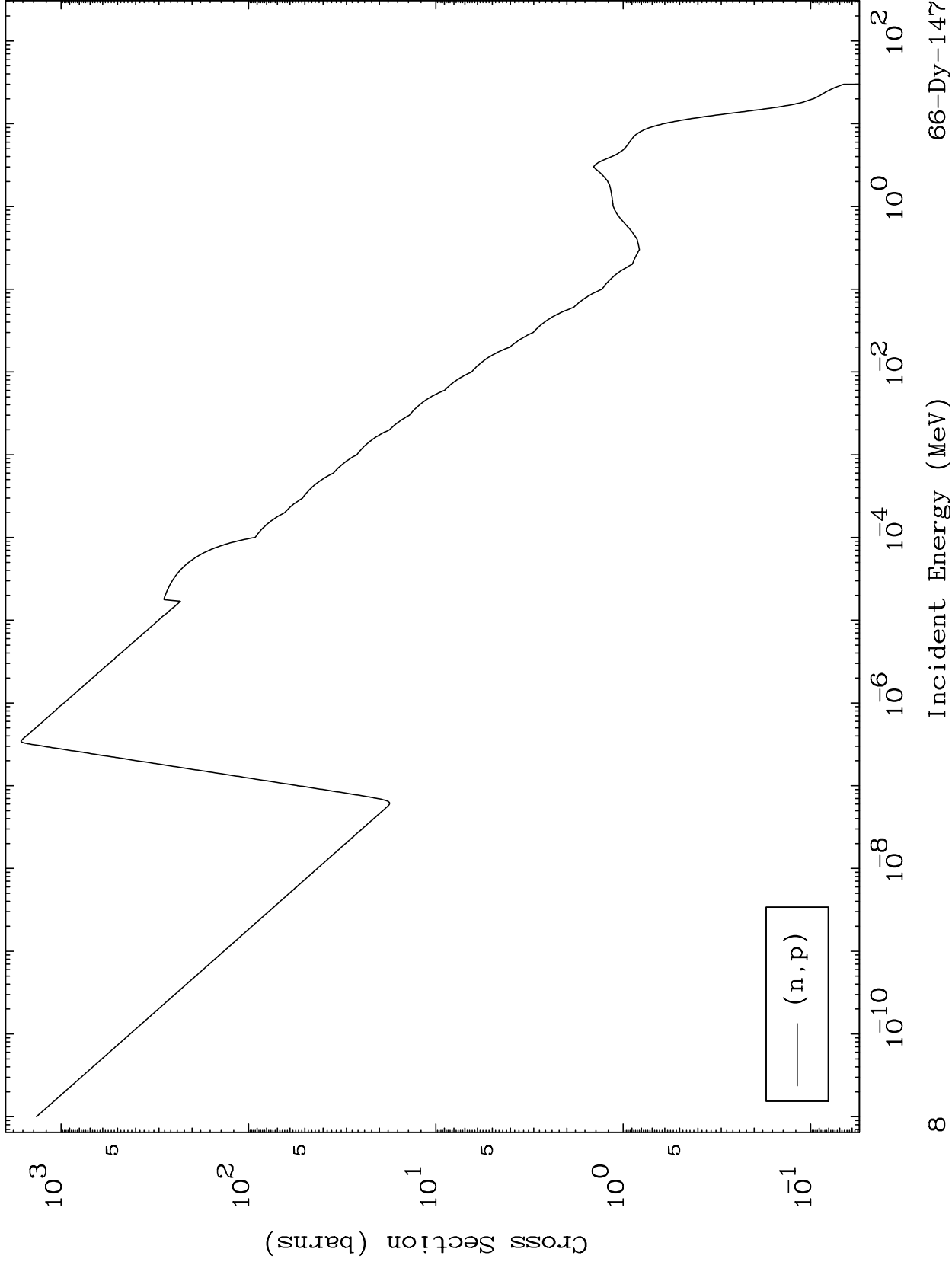




MAT 6599

(n,p) Levels
293 Kelvin Cross Sections

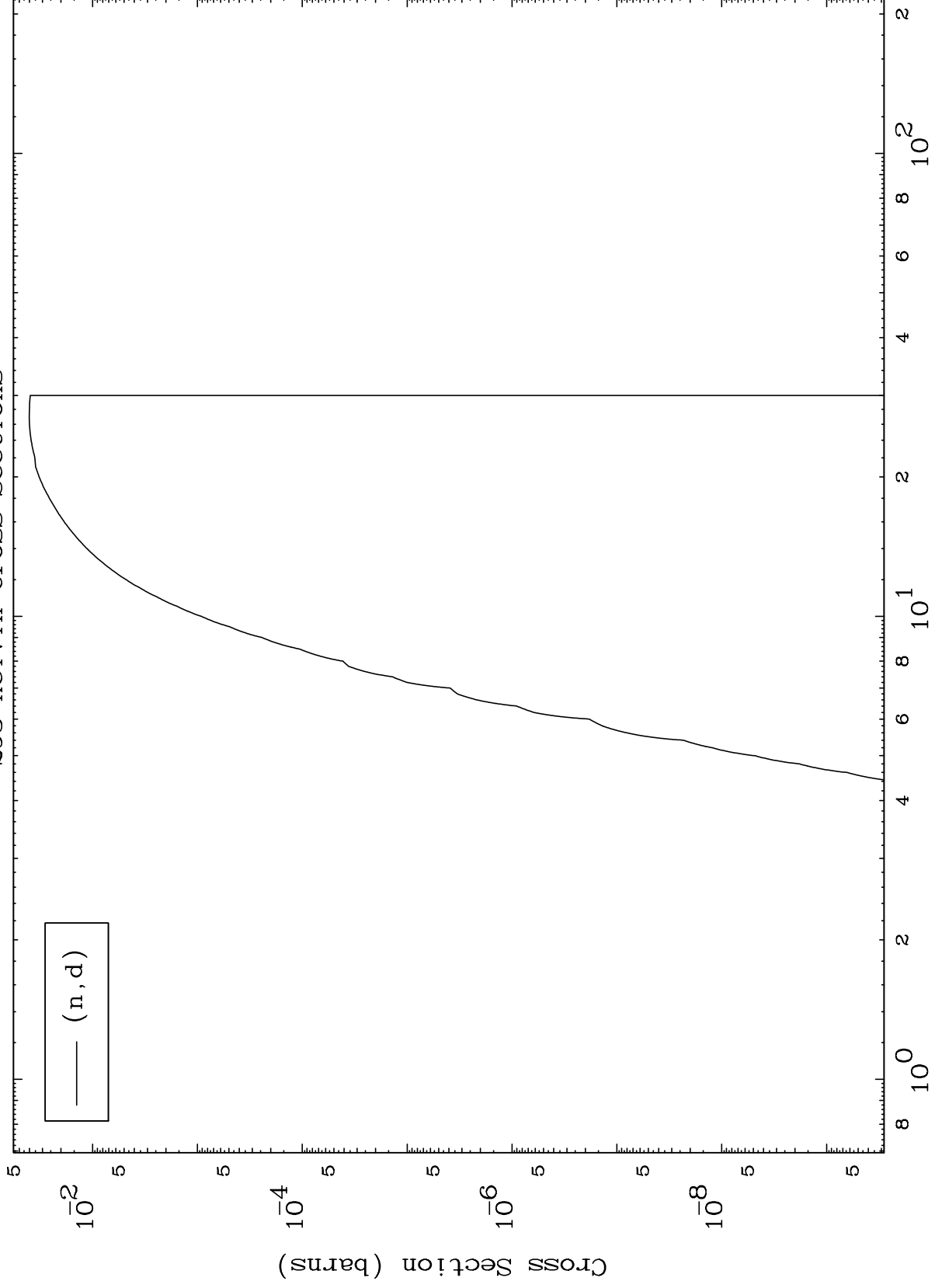
66-Dy-147



MAT 6599

(n,d) Levels
293 Kelvin Cross Sections

66-Dy-147



9

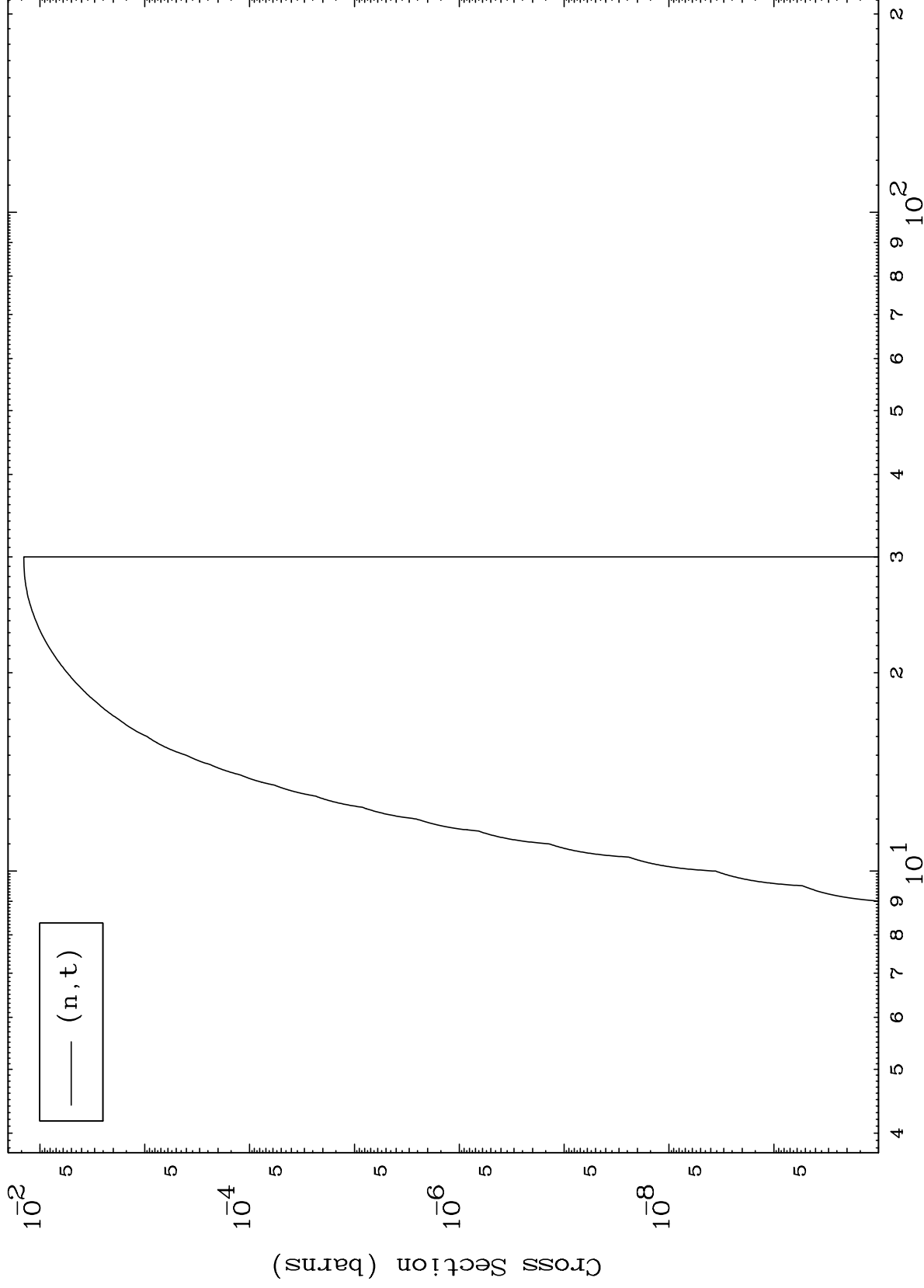
Incident Energy (MeV)

66-Dy-147

MAT 6599

(n,t) Levels
293 Kelvin Cross Sections

66-Dy-147



Incident Energy (MeV)

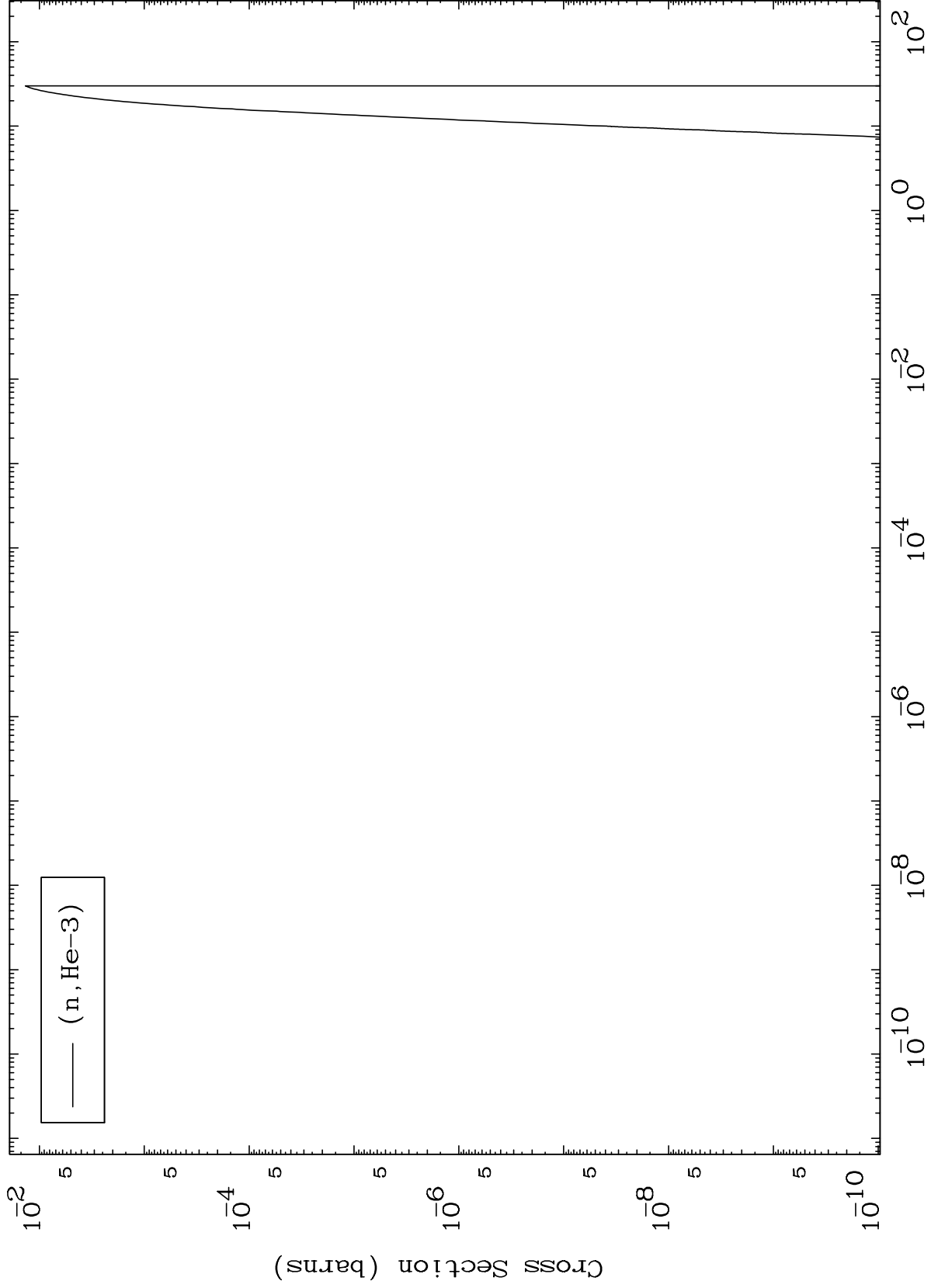
66-Dy-147

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MAT 6599

(n,He3) Levels
293 Kelvin Cross Sections

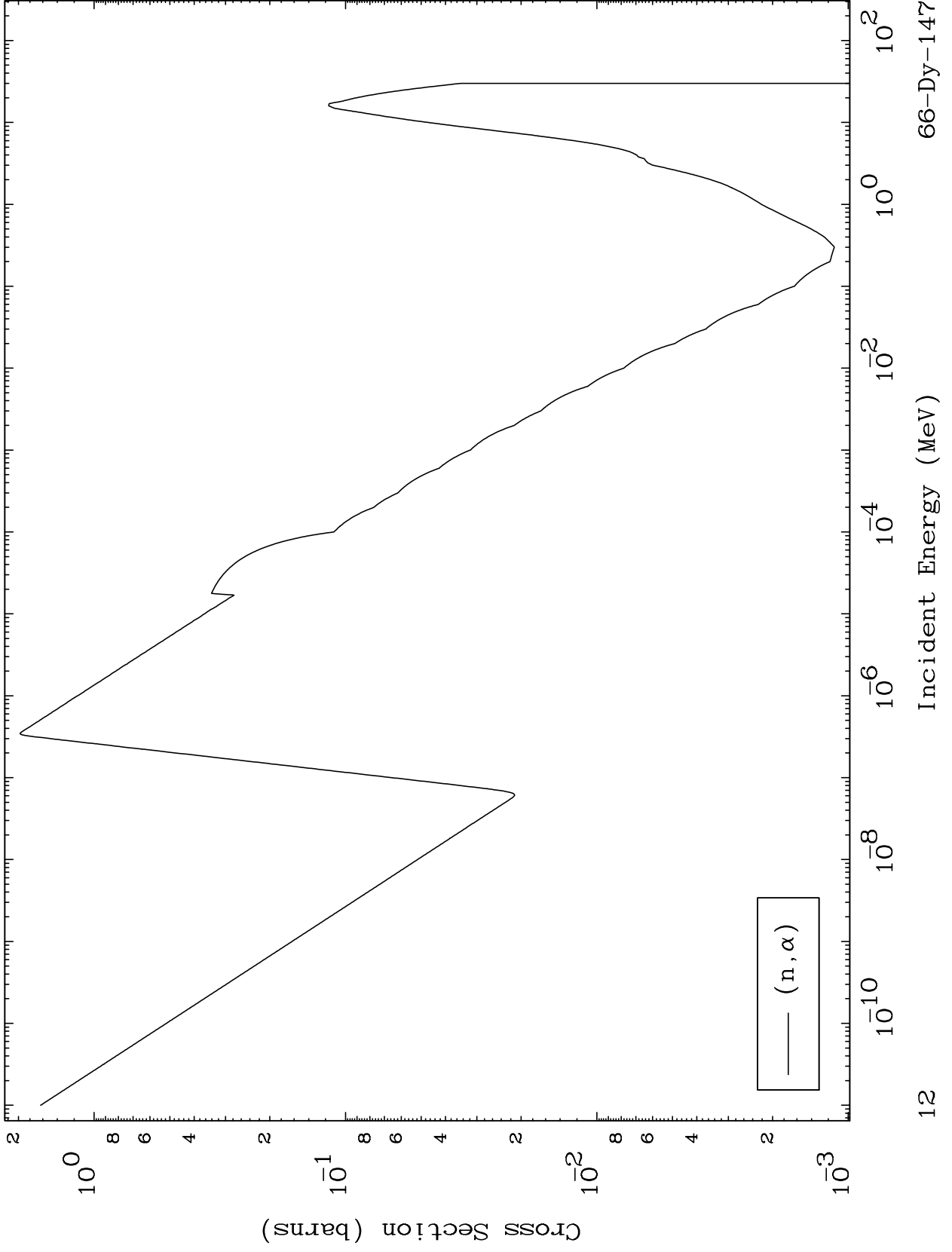
66-Dy-147

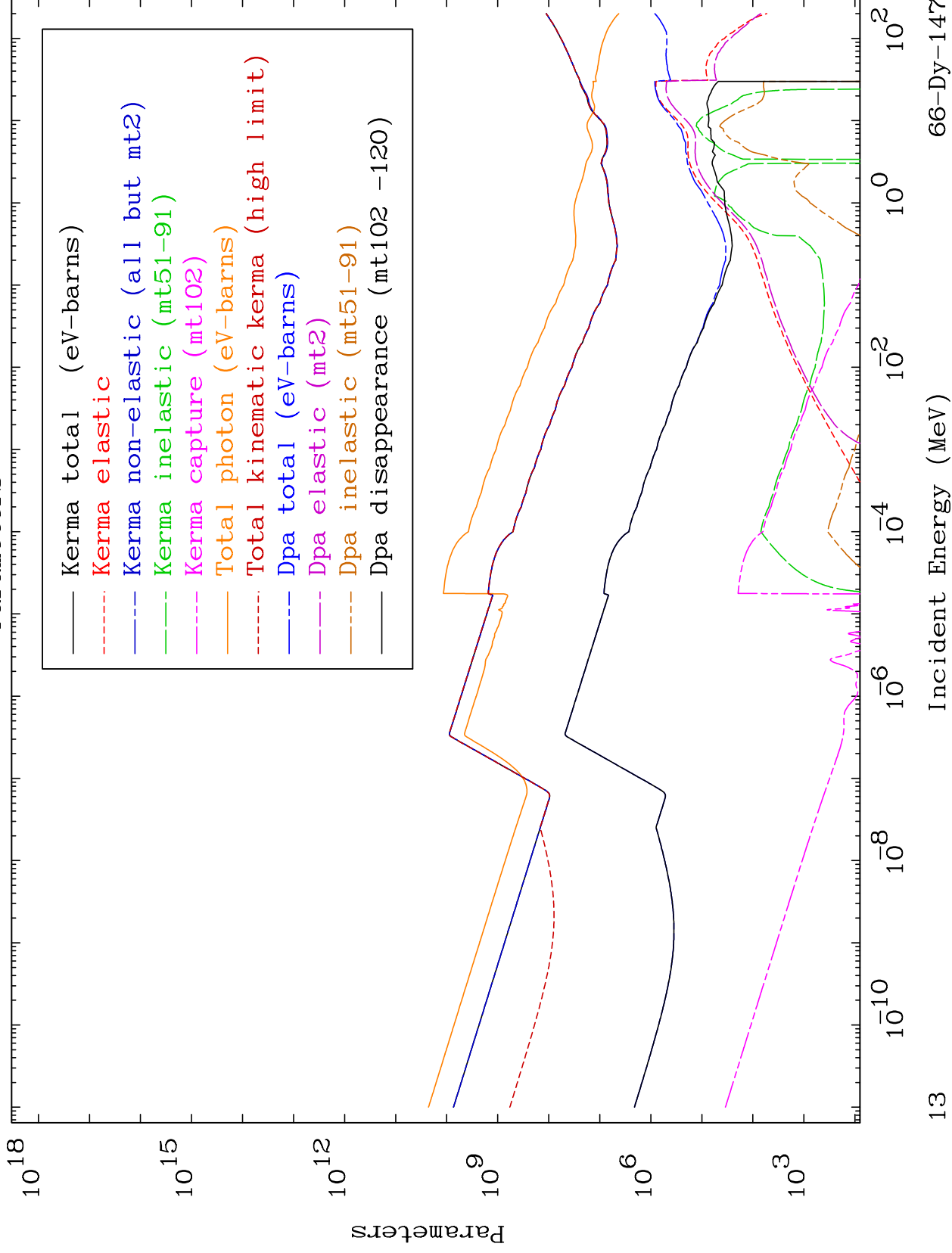


MAT 6599

(n, α) Levels
293 Kelvin Cross Sections

66-Dy-147

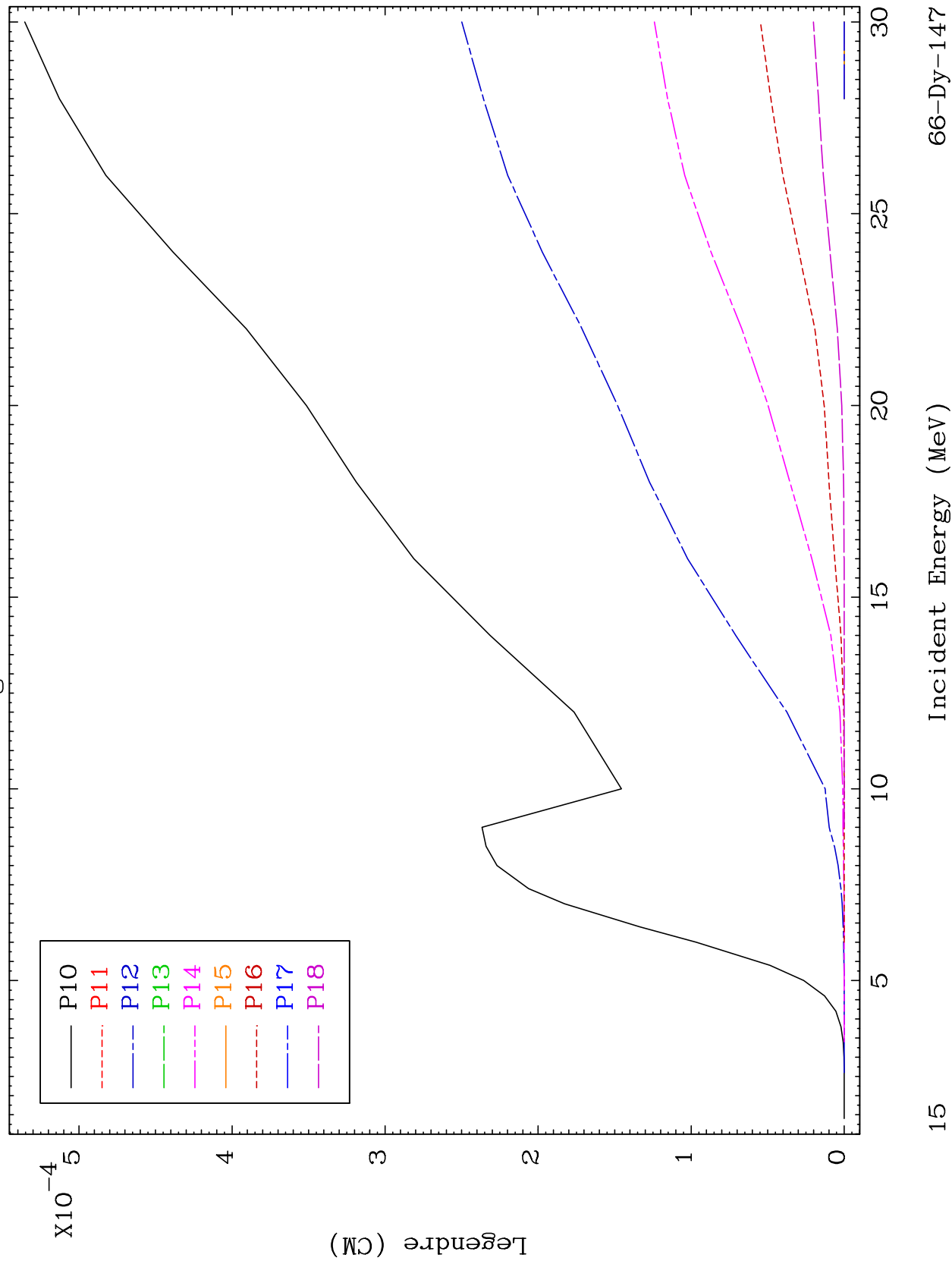




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Elastic Legendre Coefficients

66-Dy-147



15

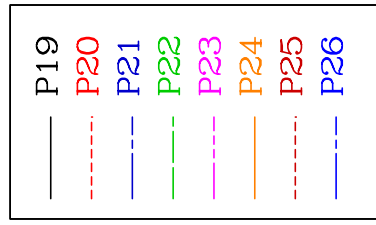
Incident Energy (MeV)

66-Dy-147

MAT 6599

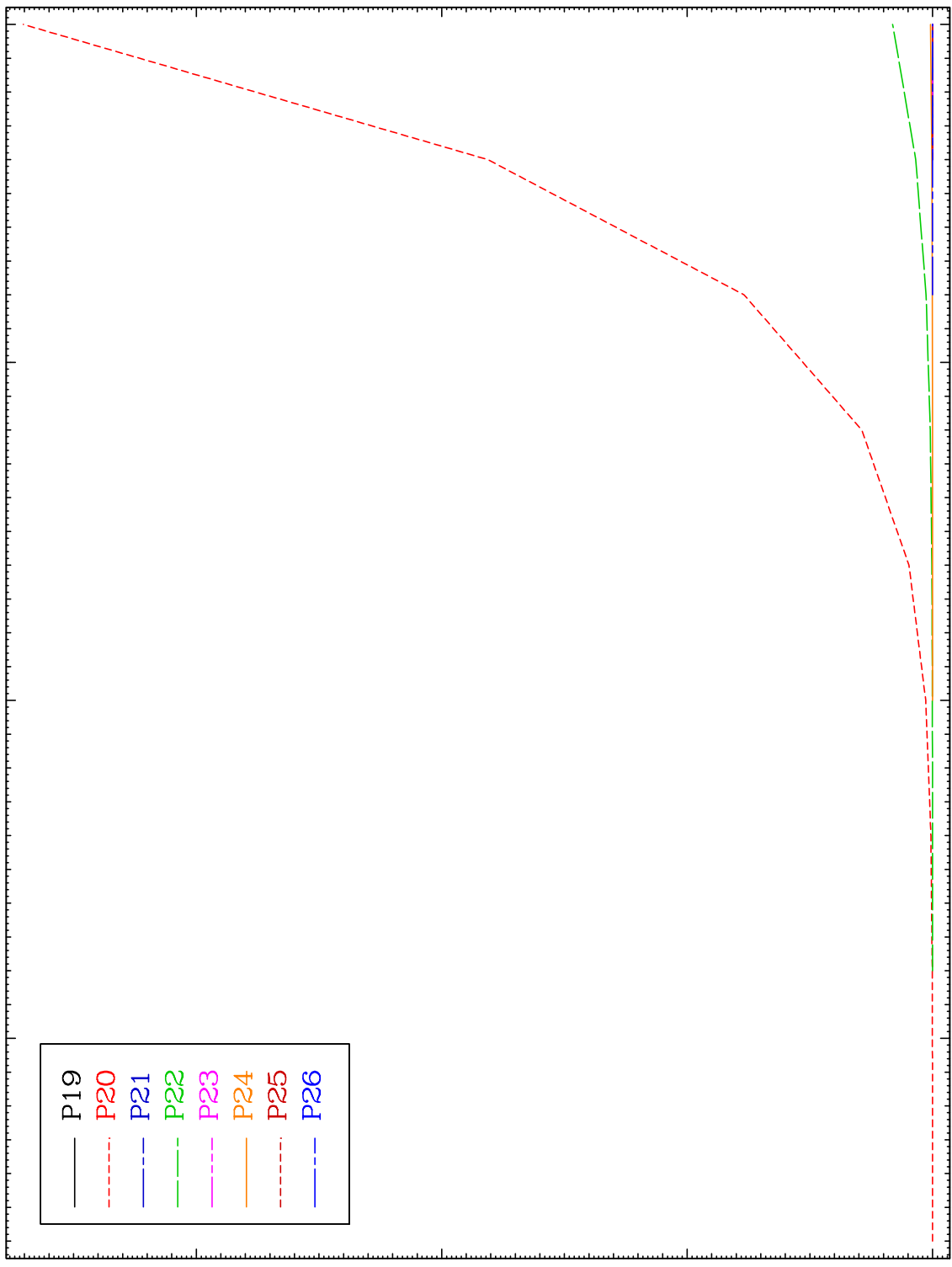
Elastic
Legendre Coefficients

66-Dy-147



$\times 10^{-6}$

Legendre (CM)



16

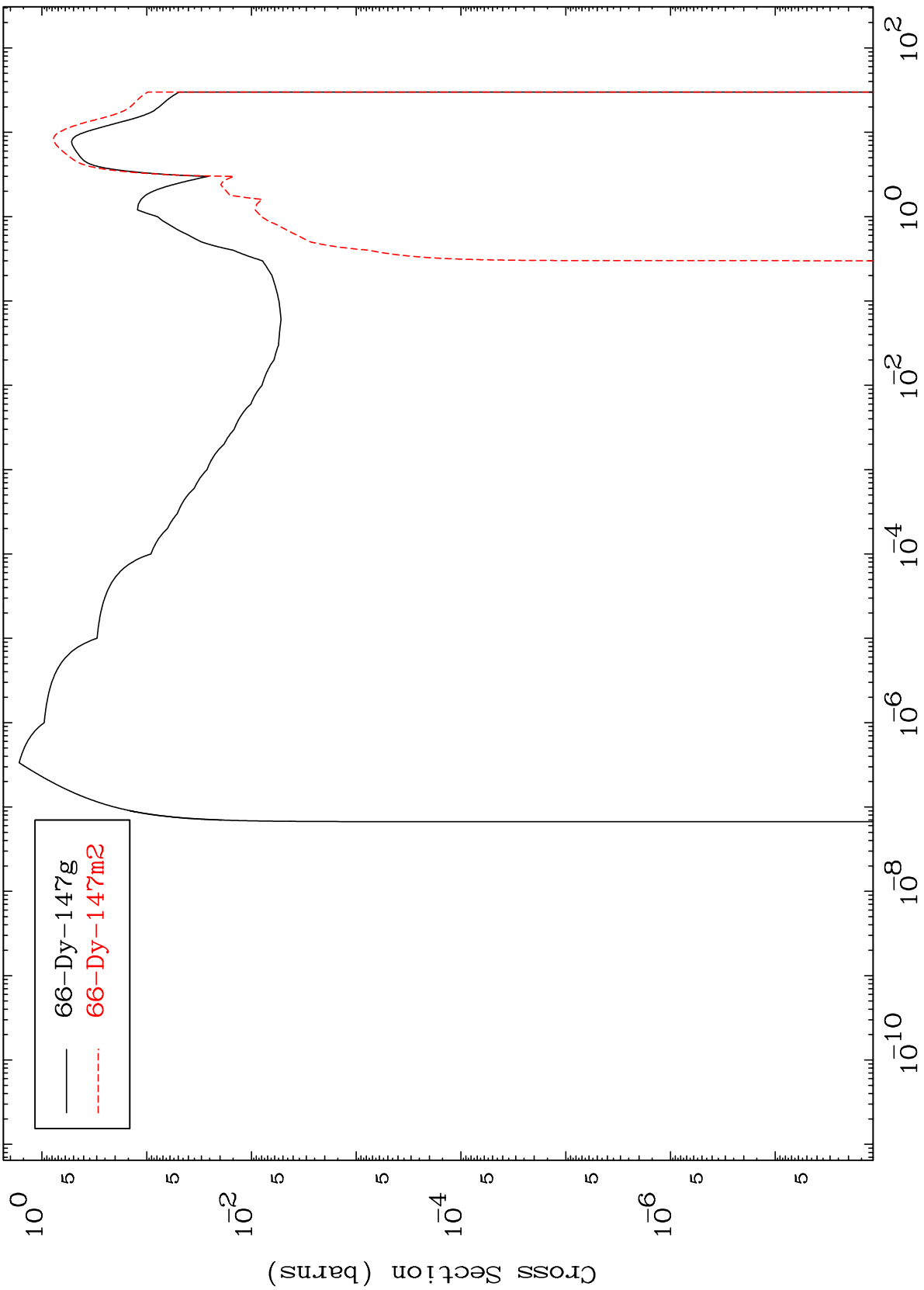
Incident Energy (MeV)

66-Dy-147

MAT 6599

66-Dy-147

Inelastic Radionuclide Production Cross Section



— 66-Dy-147g
- - - 66-Dy-147m2

66-Dy-147

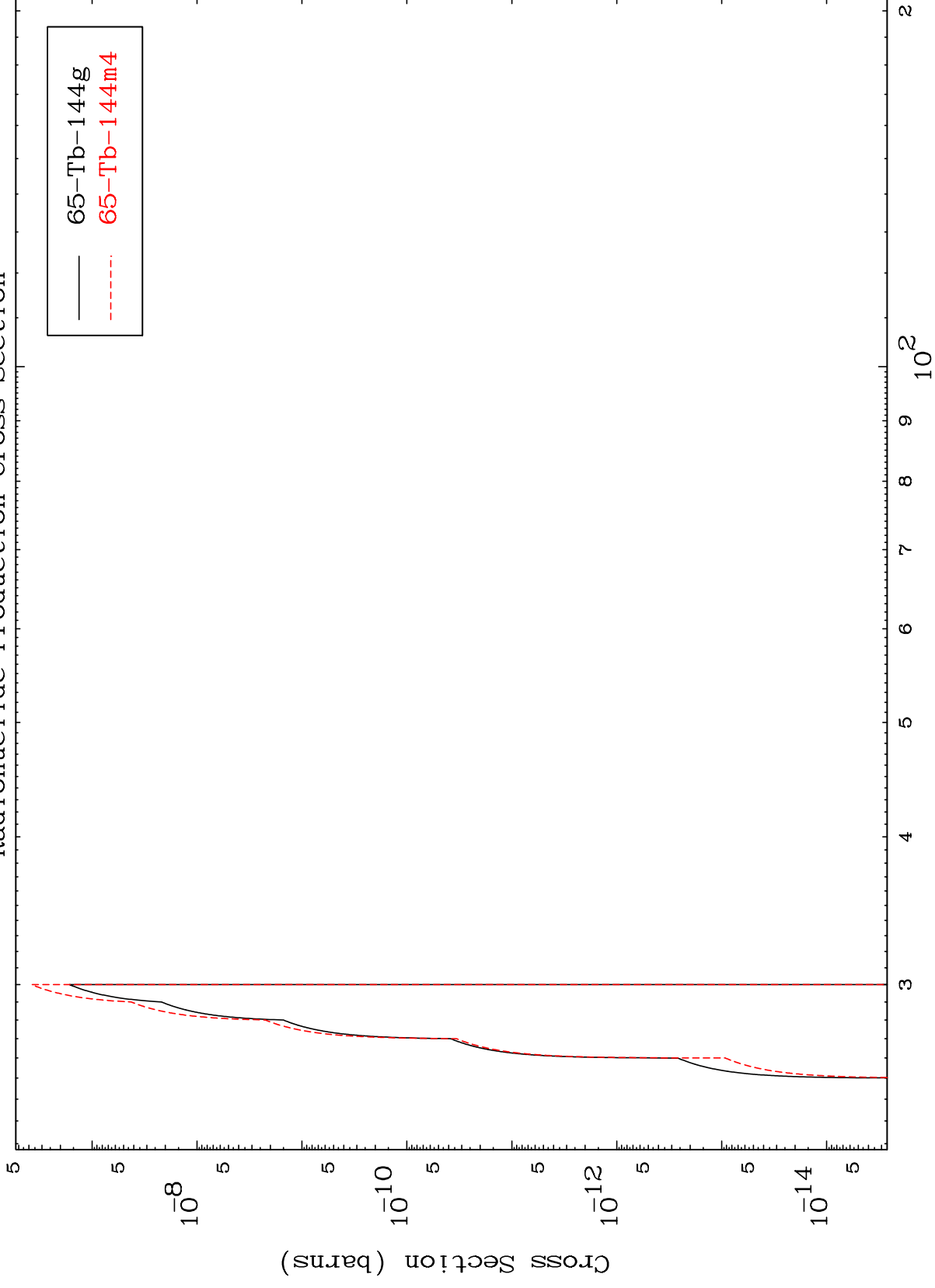
Incident Energy (MeV)

MAT 6599

(n,2n) d

66-Dy-147

Radionuclide Production Cross Section



18

Incident Energy (MeV)

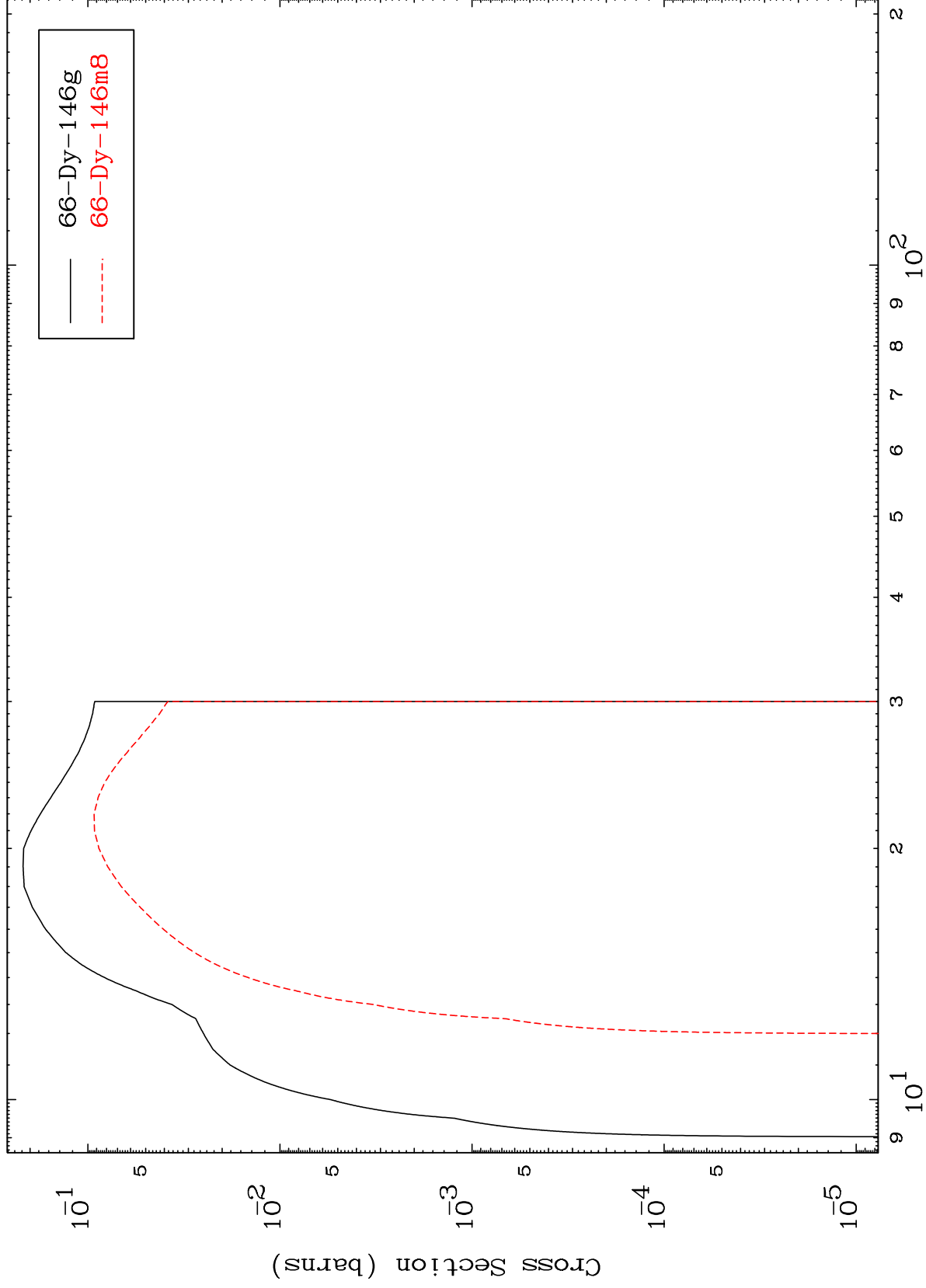
66-Dy-147

MAT 6599

(n,2n)

66-Dy-147

Radionuclide Production Cross Section



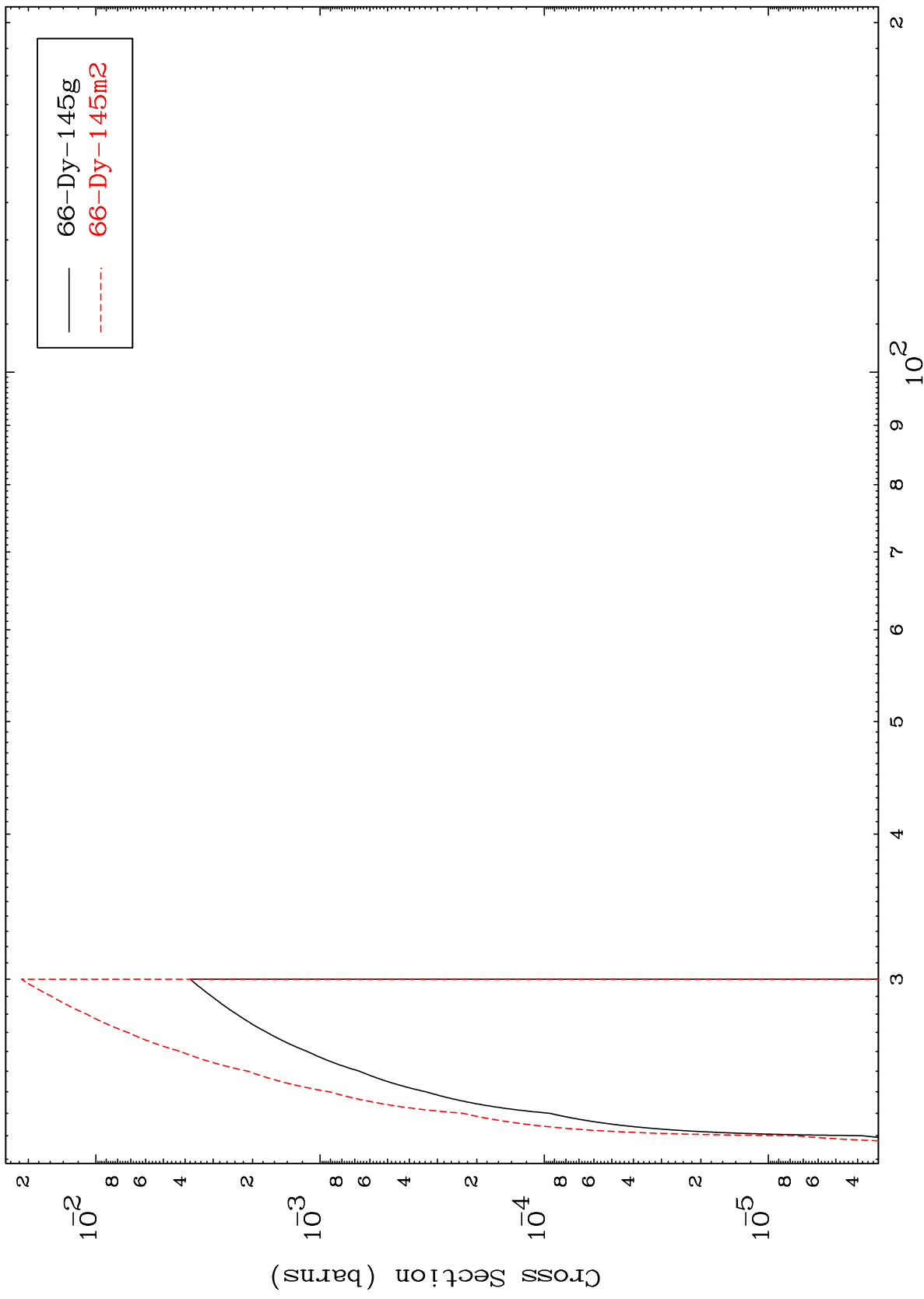
Incident Energy (MeV)

66-Dy-147

MAT 6599

66-Dy-147

(n,3n)
Radionuclide Production Cross Section



20

Incident Energy (MeV)

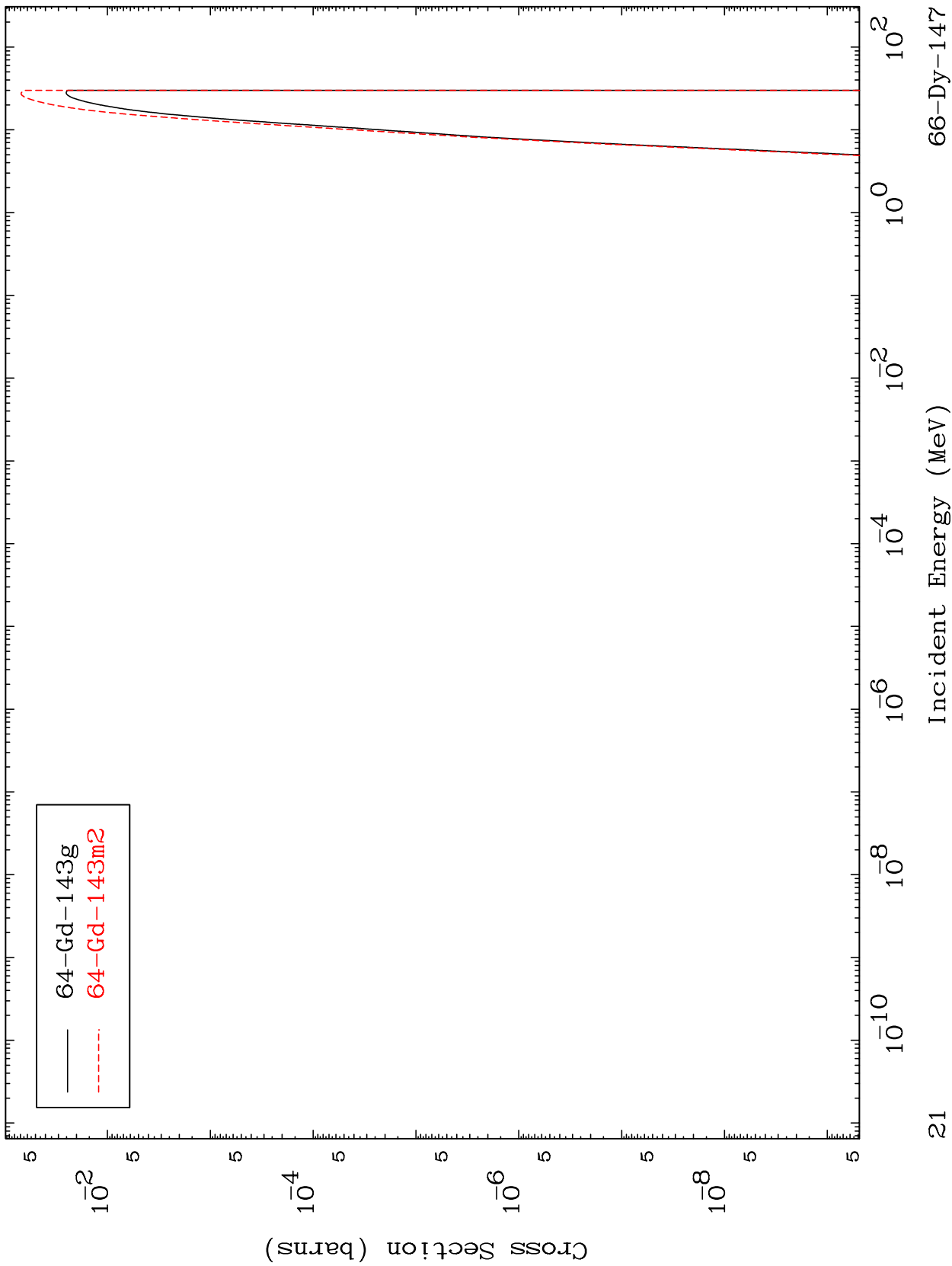
66-Dy-147

MAT 6599

(n, n') α

66-Dy-147

Radionuclide Production Cross Section

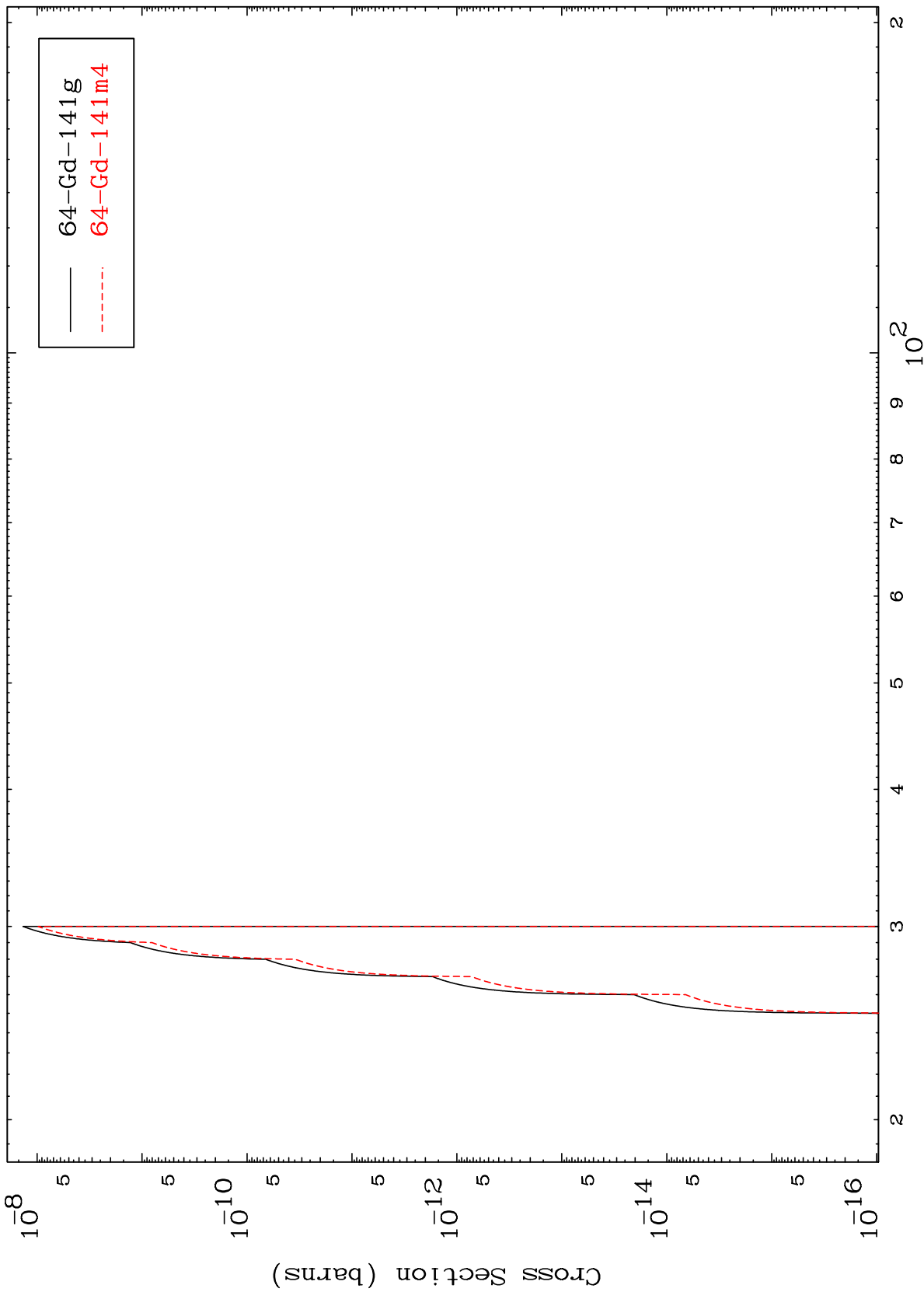


MAT 6599

(n,3n) α

66-Dy-147

Radionuclide Production Cross Section



22

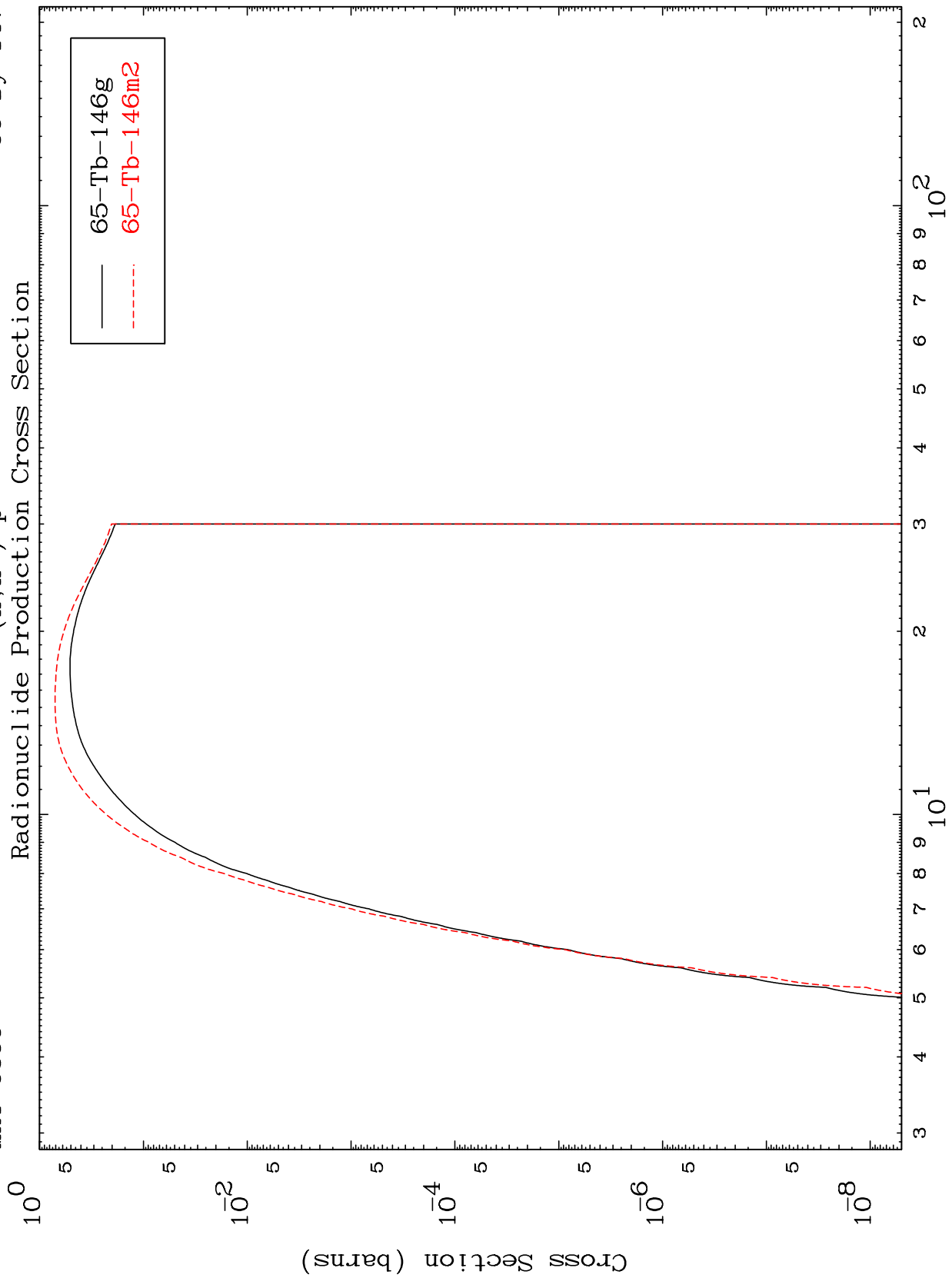
Incident Energy (MeV)

66-Dy-147

MAT 6599

66-Dy-147

(n, n') p
Radionuclide Production Cross Section



23

Incident Energy (MeV)

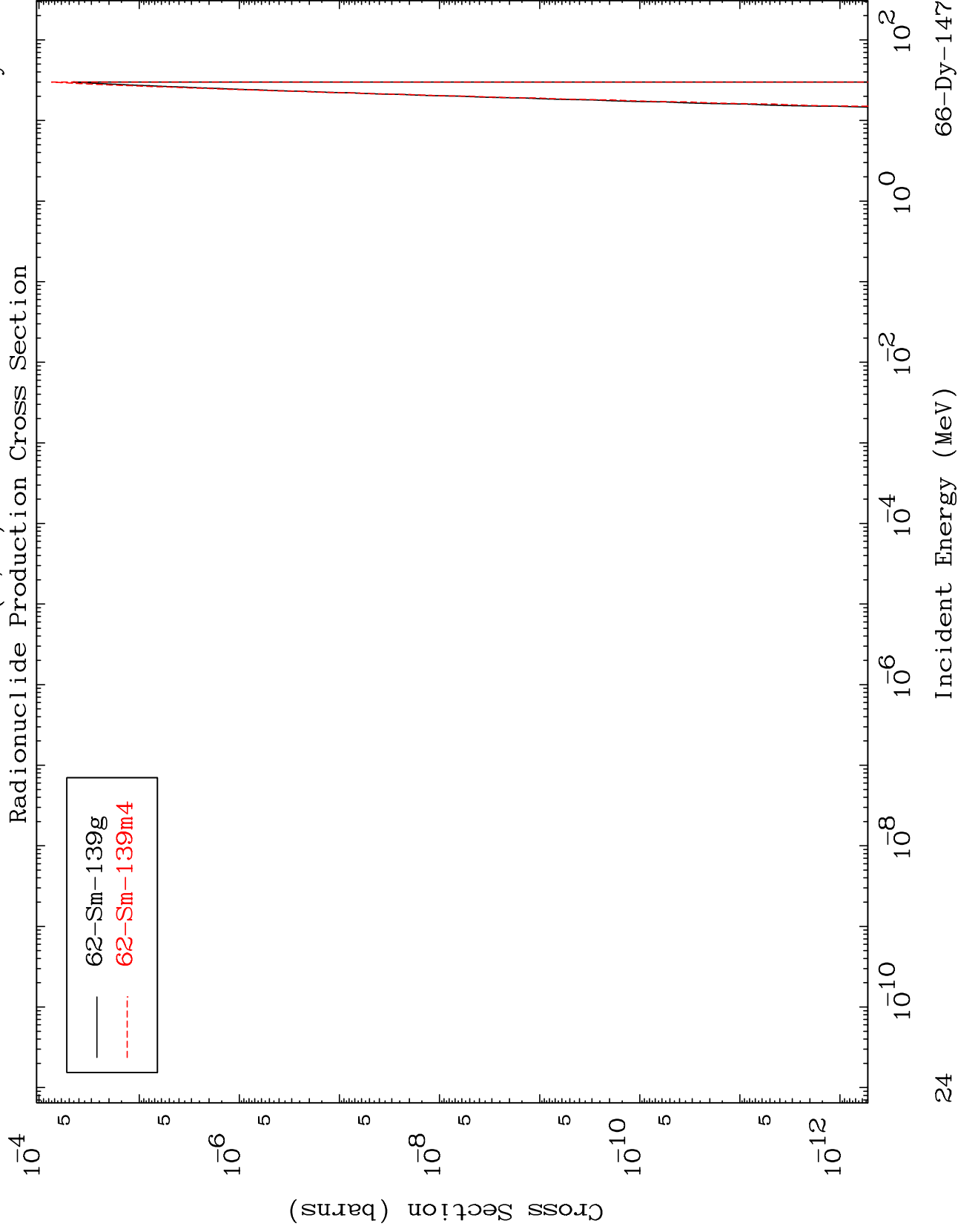
66-Dy-147

MAT 6599

(n,n') 2 α

66-Dy-147

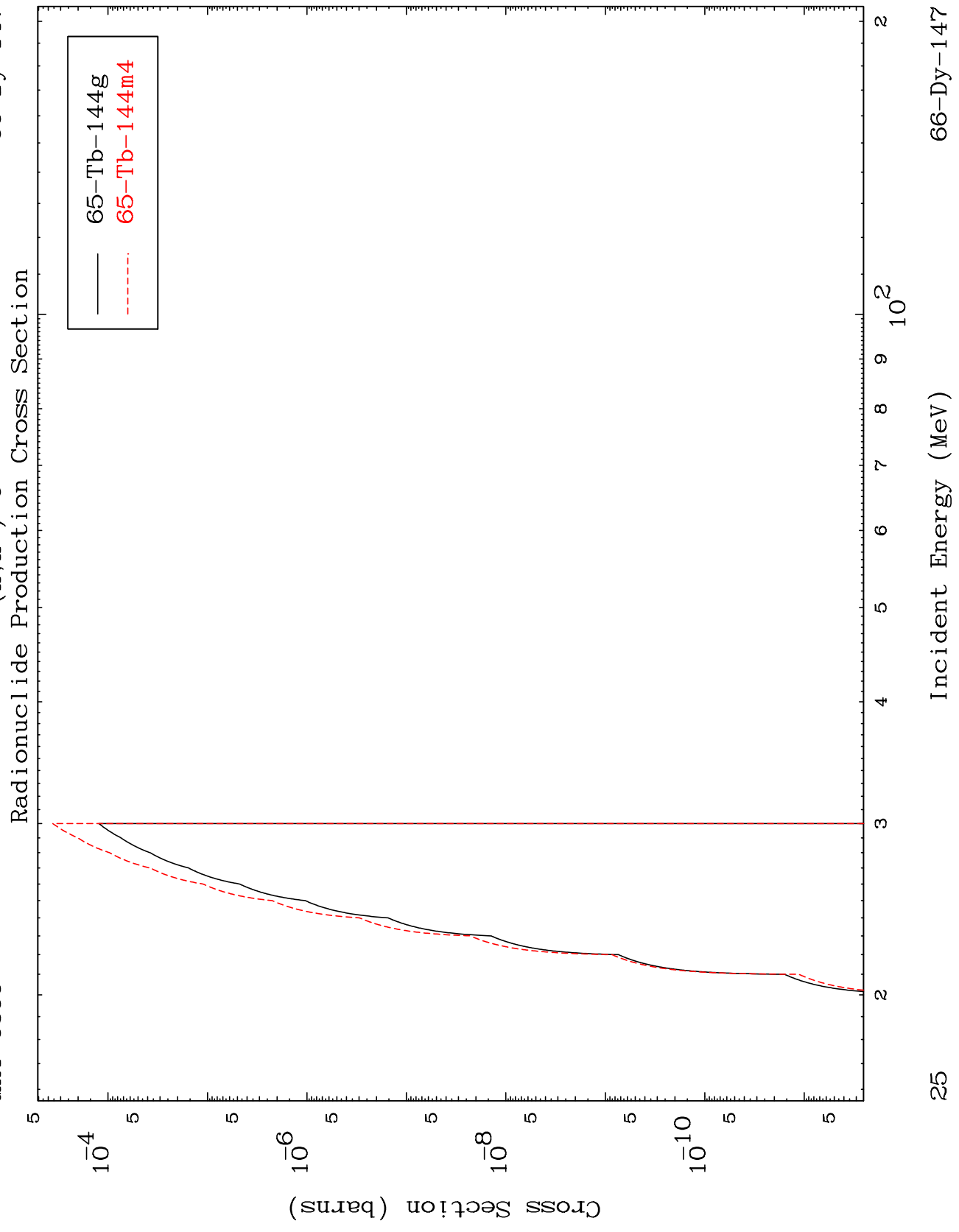
Radionuclide Production Cross Section



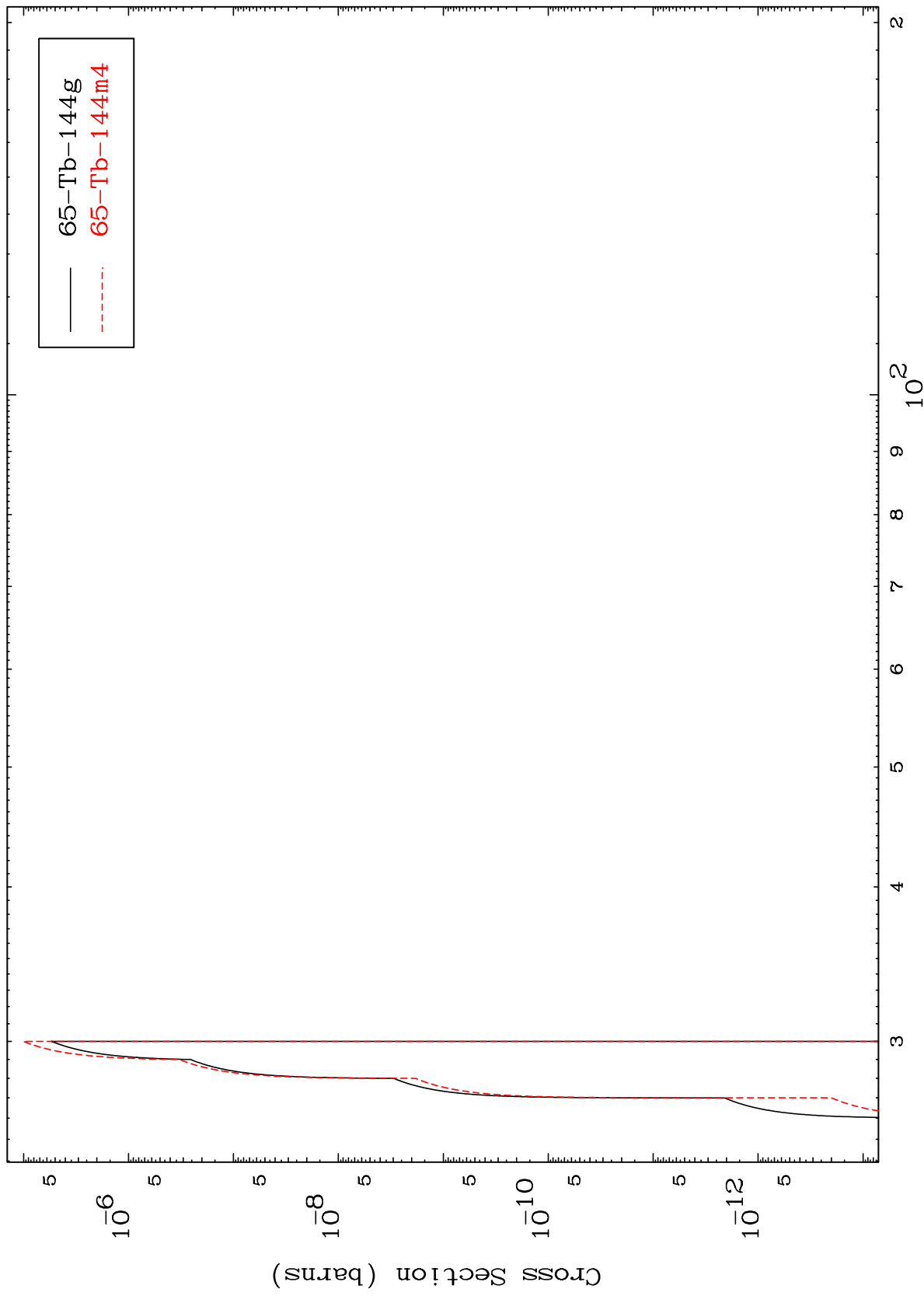
24

Incident Energy (MeV)

66-Dy-147



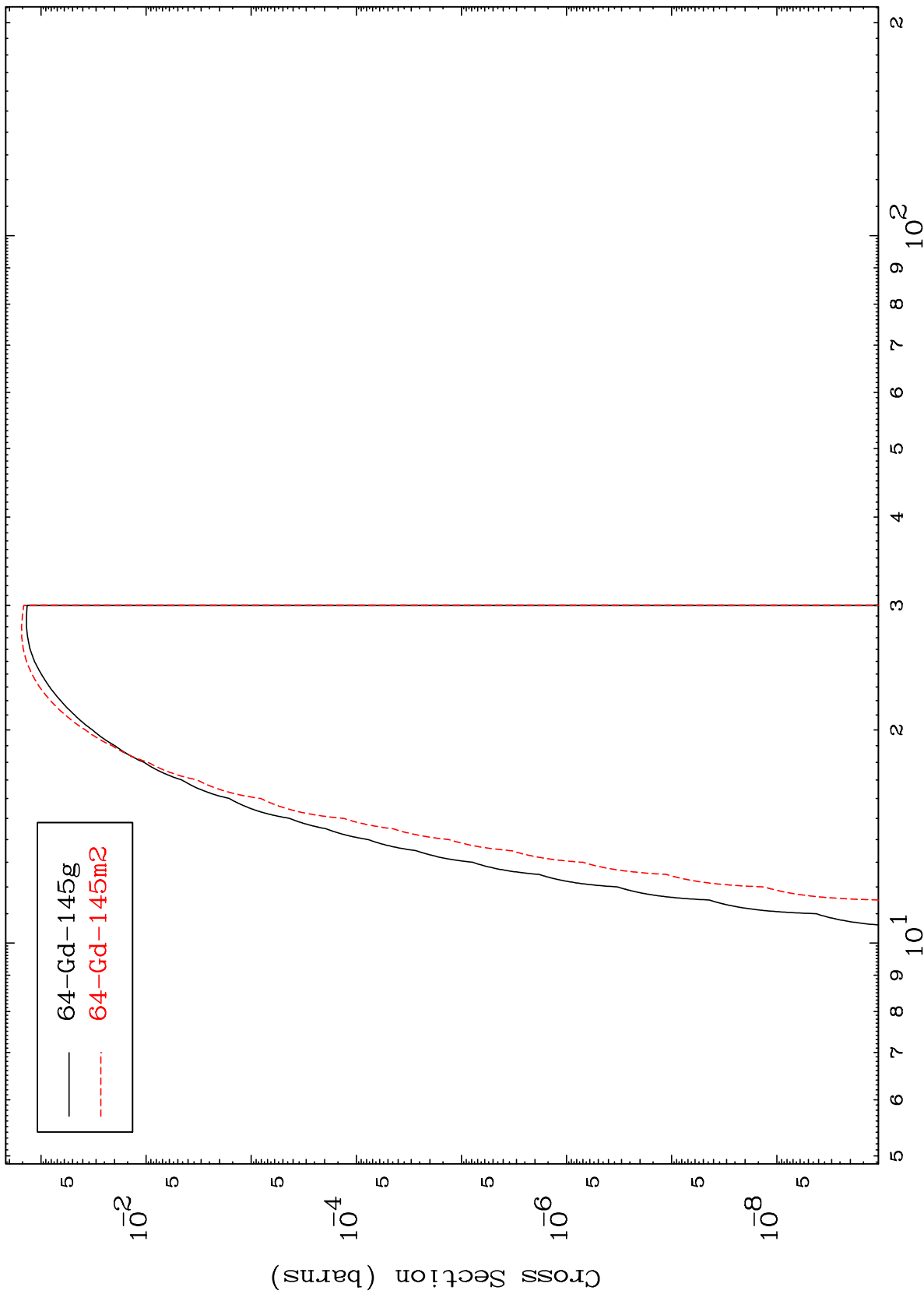
(n,3n) p
Radionuclide Production Cross Section



MAT 6599

66-Dy-147

(n,2n) p
Radionuclide Production Cross Section



27

Incident Energy (MeV)

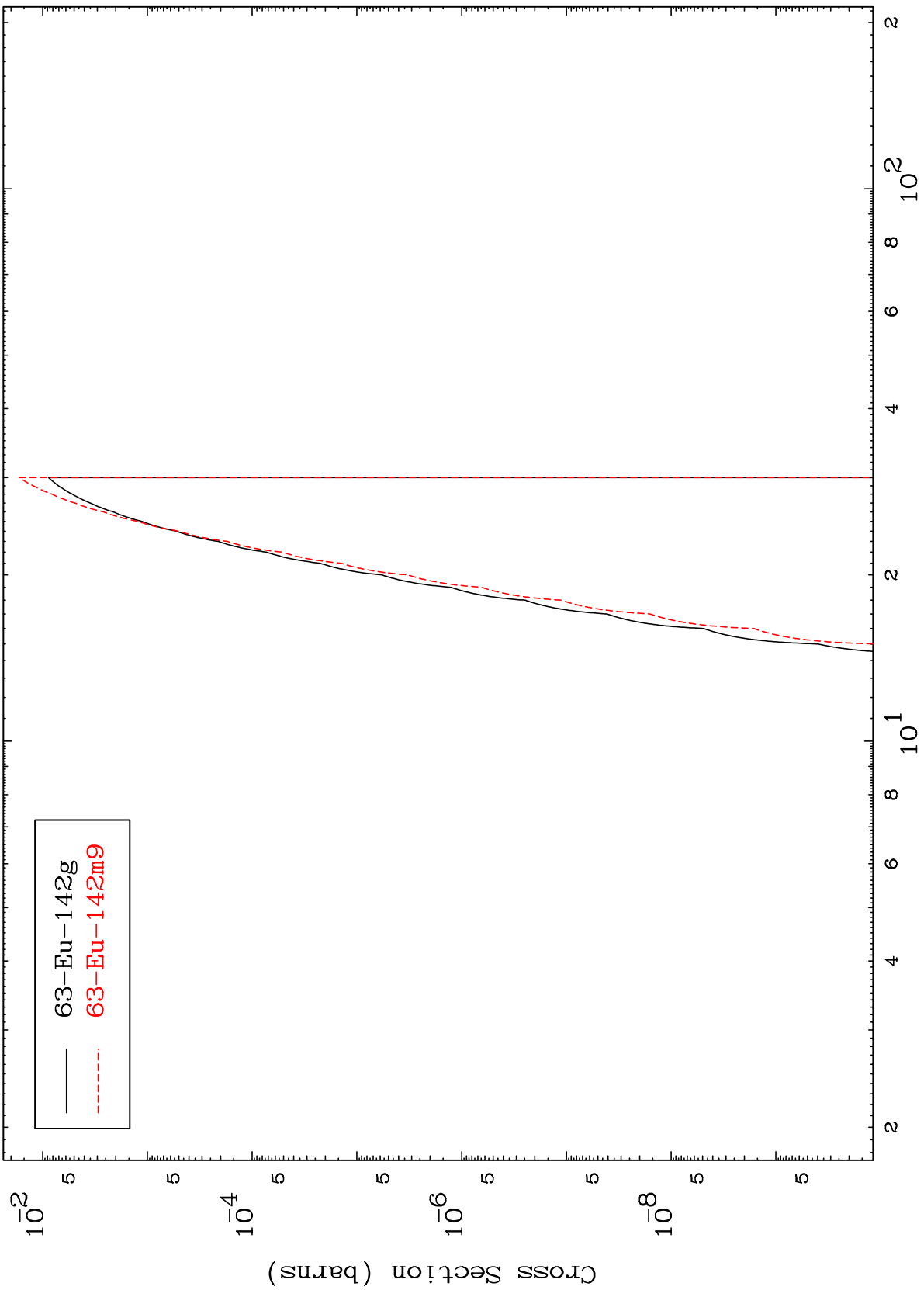
66-Dy-147

MAT 6599

(n,n') p α

66-Dy-147

Radionuclide Production Cross Section



63-Eu-142g
63-Eu-142m9

28

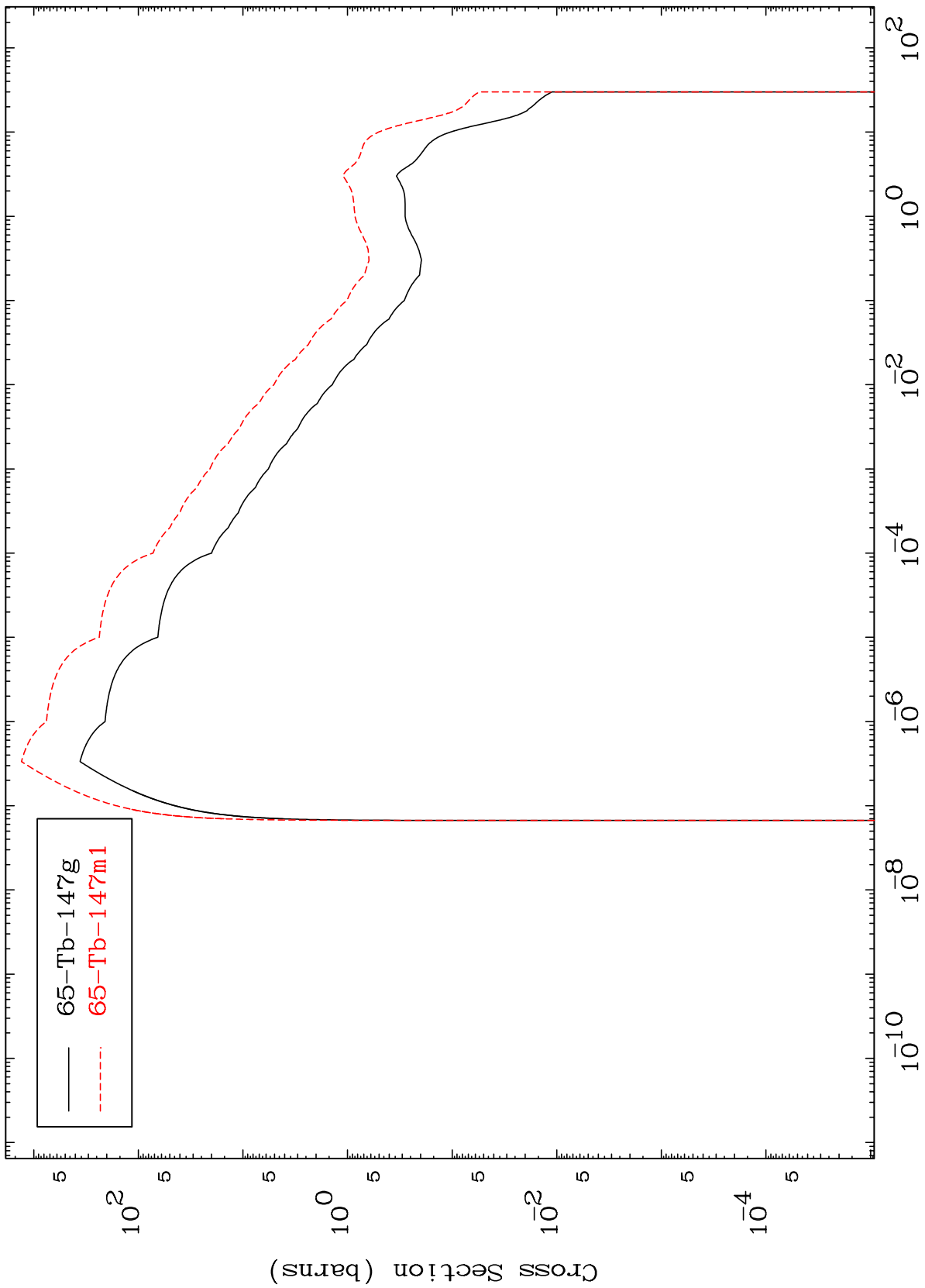
Incident Energy (MeV)

66-Dy-147

MAT 6599

66-Dy-147

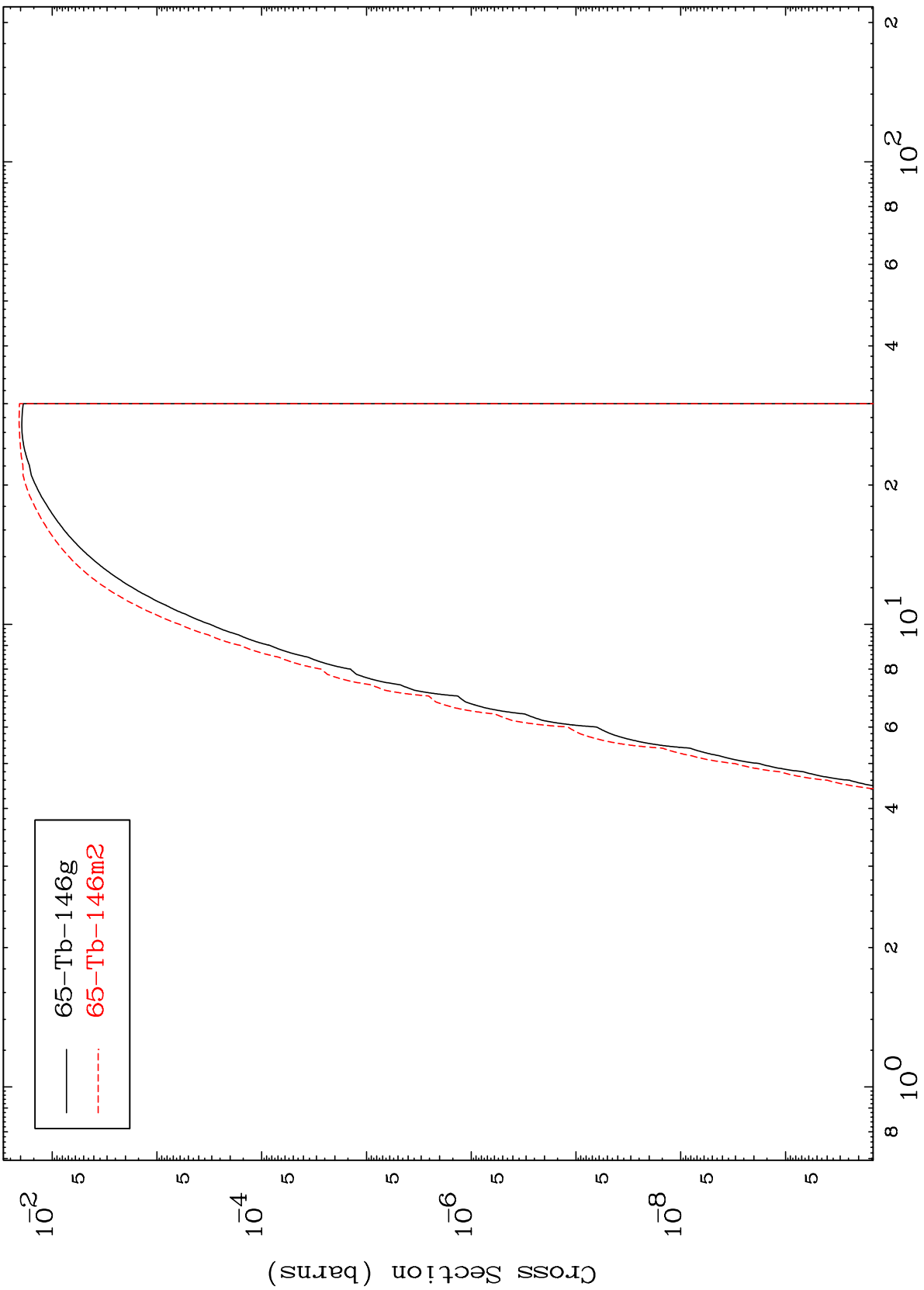
(n,p)
Radionuclide Production Cross Section



MAT 6599

66-Dy-147

(n,d)
Radionuclide Production Cross Section



66-Dy-147

Incident Energy (MeV)

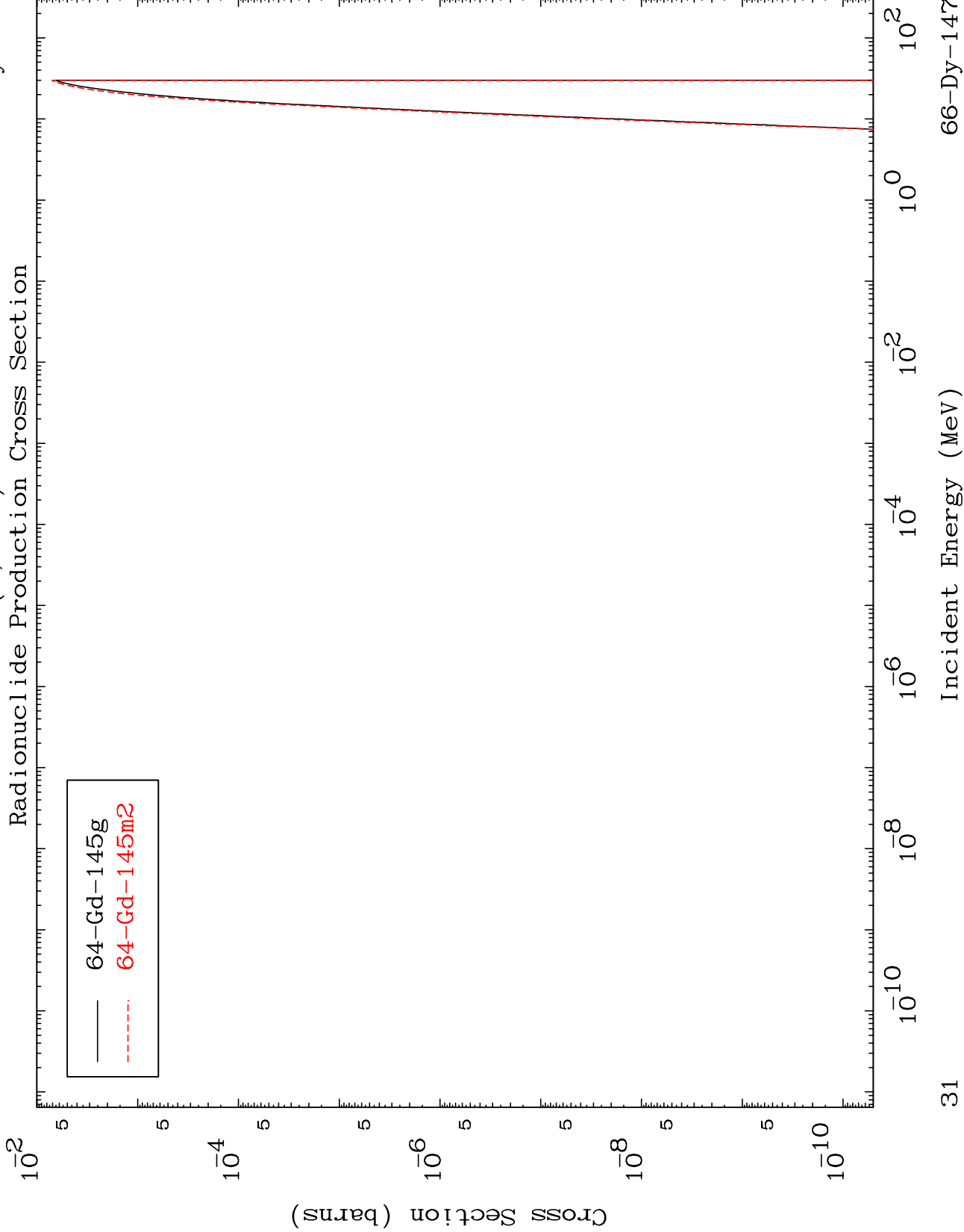
30

MAT 6599

(n,He-3)

66-Dy-147

Radionuclide Production Cross Section



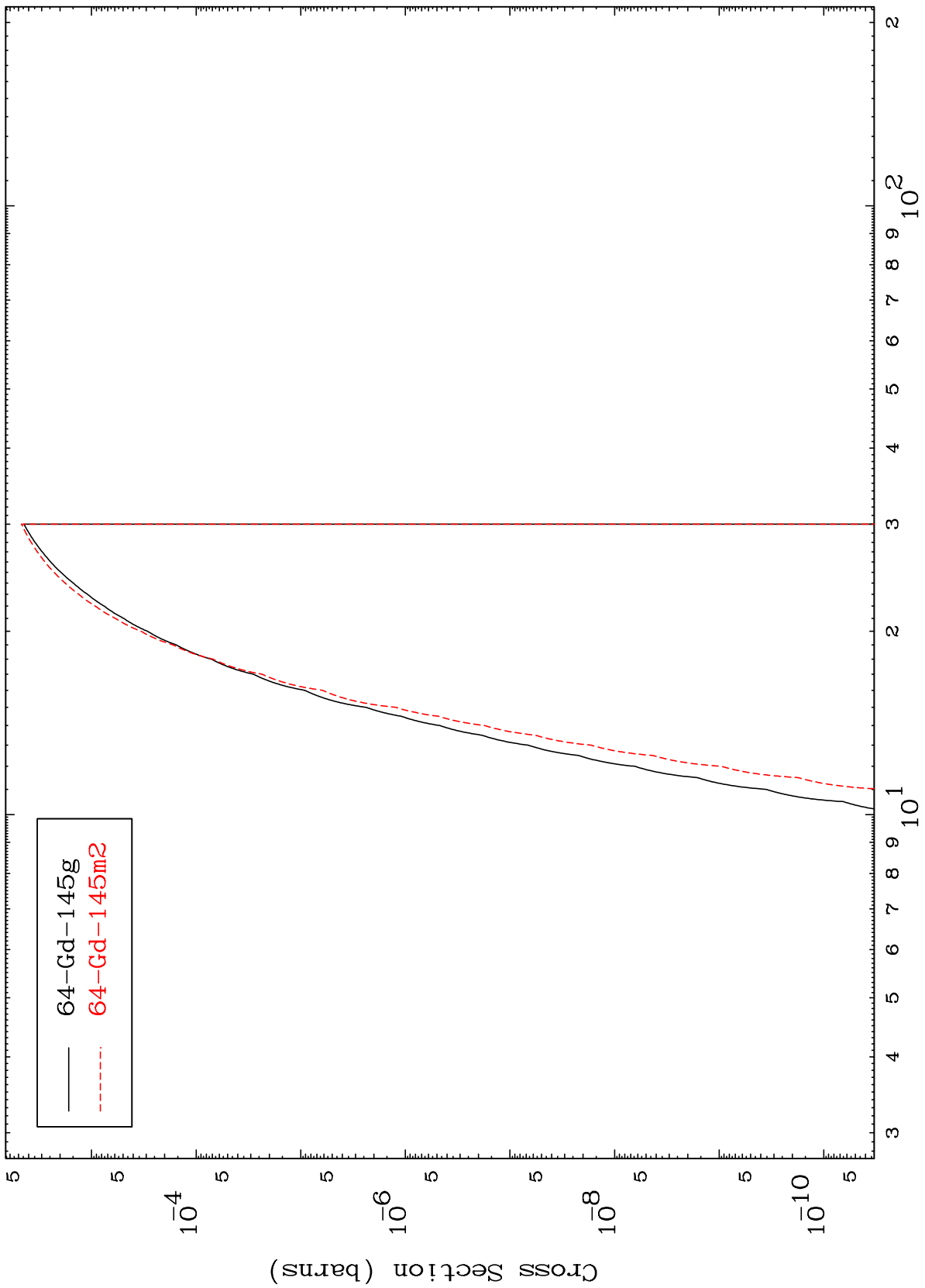
64-Gd-145g
64-Gd-145m2

MAT 6599

(n,p) d

66-Dy-147

Radionuclide Production Cross Section



32

Incident Energy (MeV)

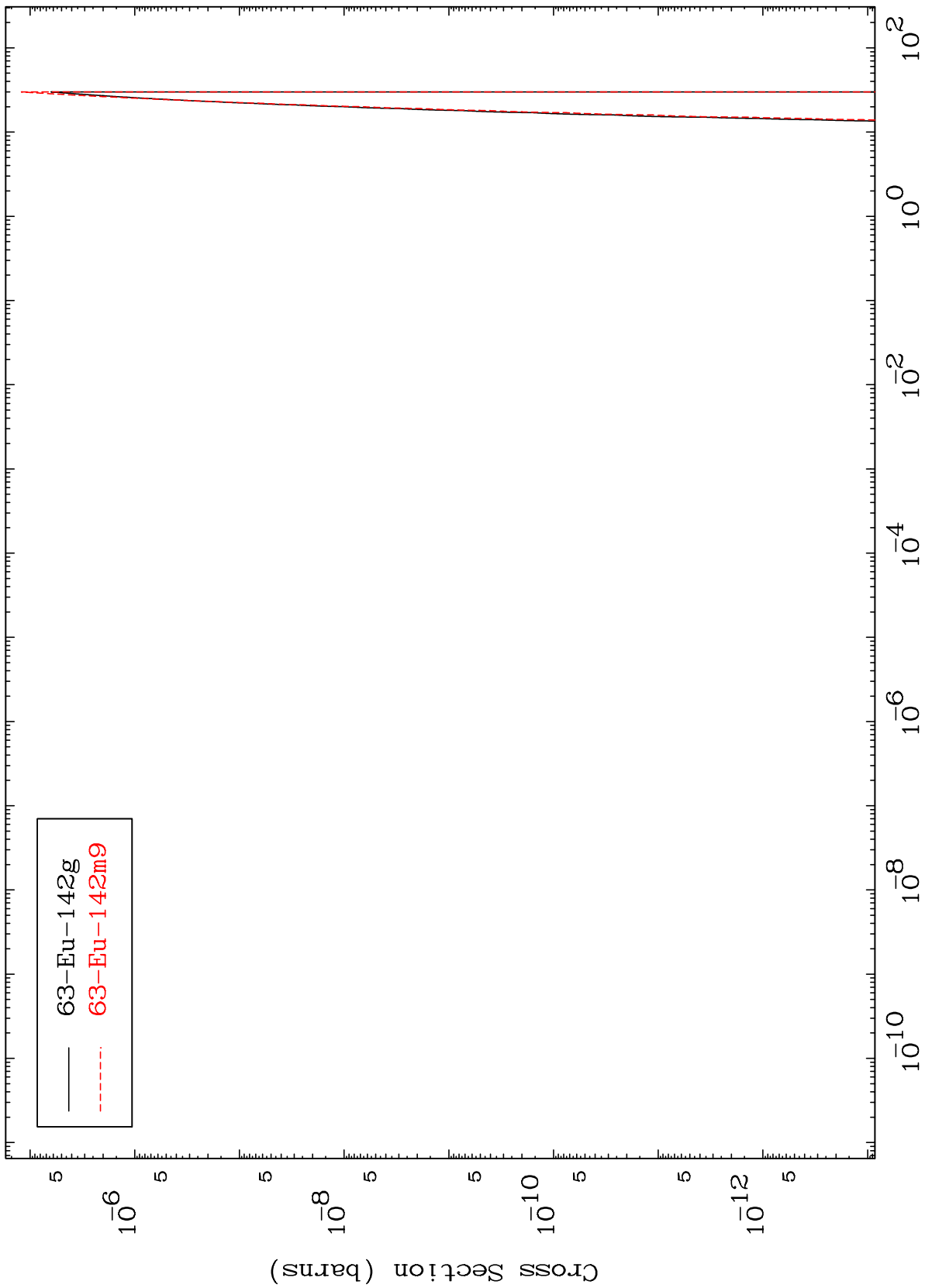
66-Dy-147

MAT 6599

(n,d) α

66-Dy-147

Radionuclide Production Cross Section



63-Eu-142g
63-Eu-142m9