

Program EVALPLOT  
(Version 2021-1)

by

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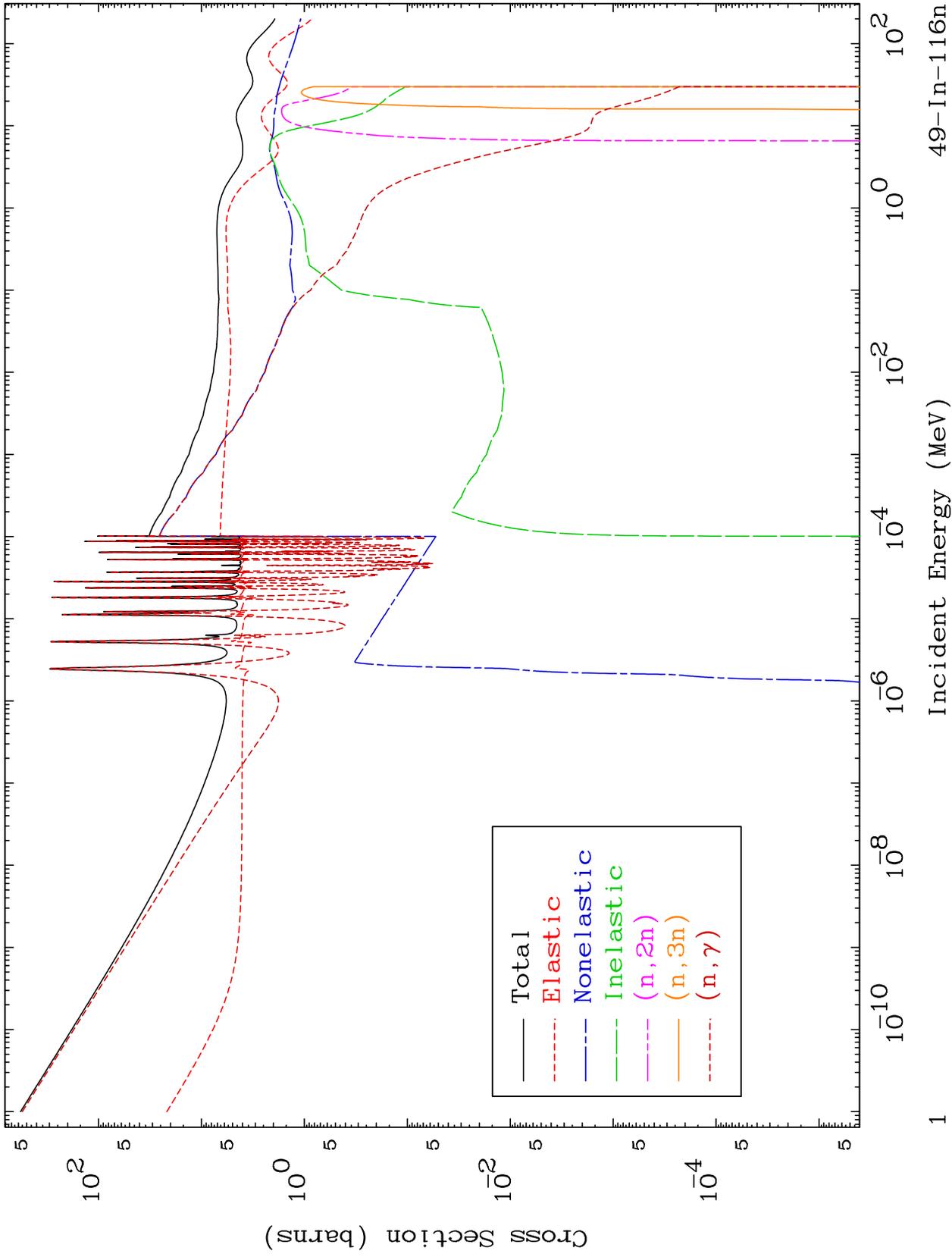
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4936

Neutron Major  
293 Kelvin Cross Sections

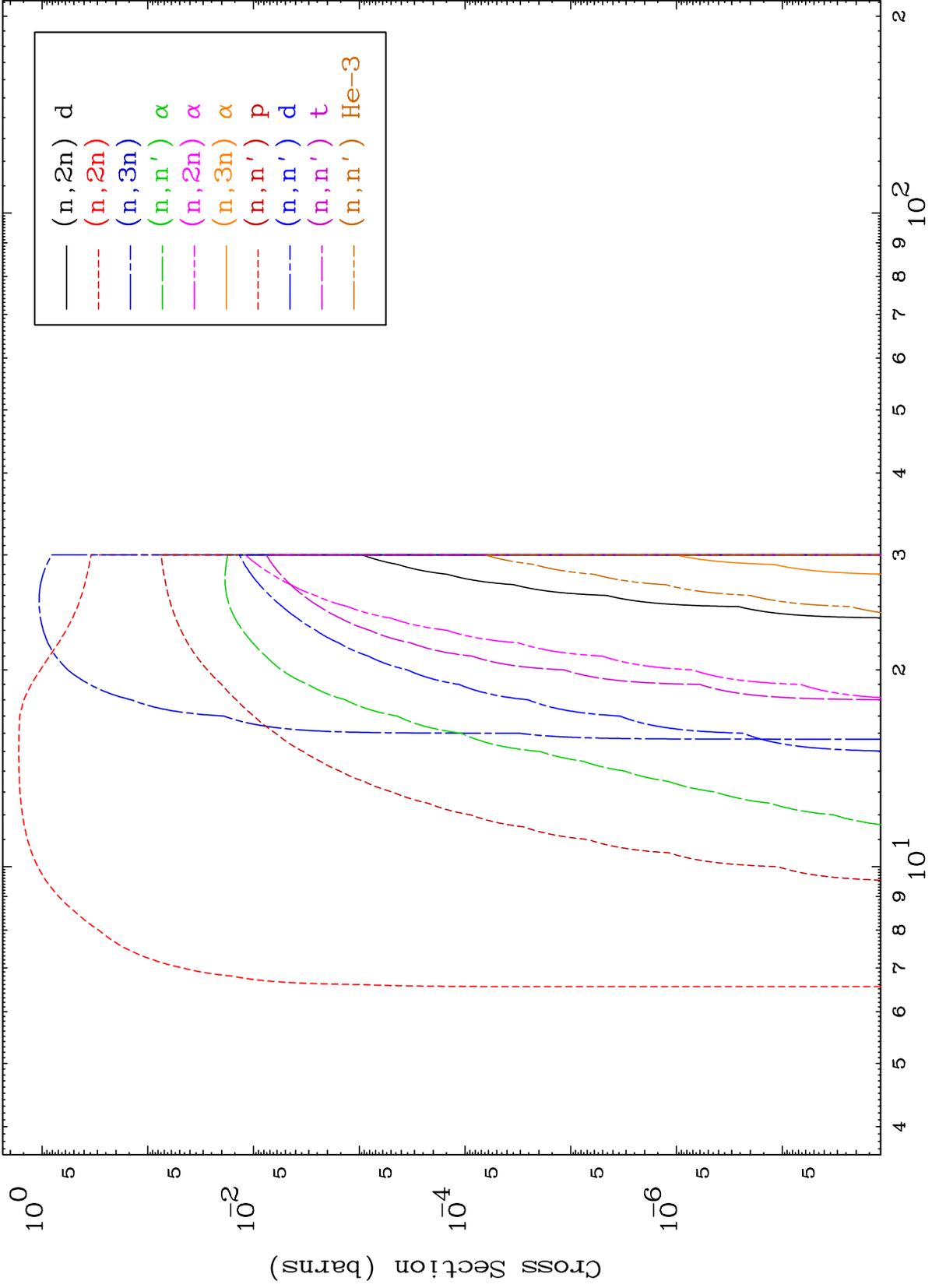
49-In-116n



MAT 4936

Neutron Absorption  
293 Kelvin Cross Sections

49-In-116n



2

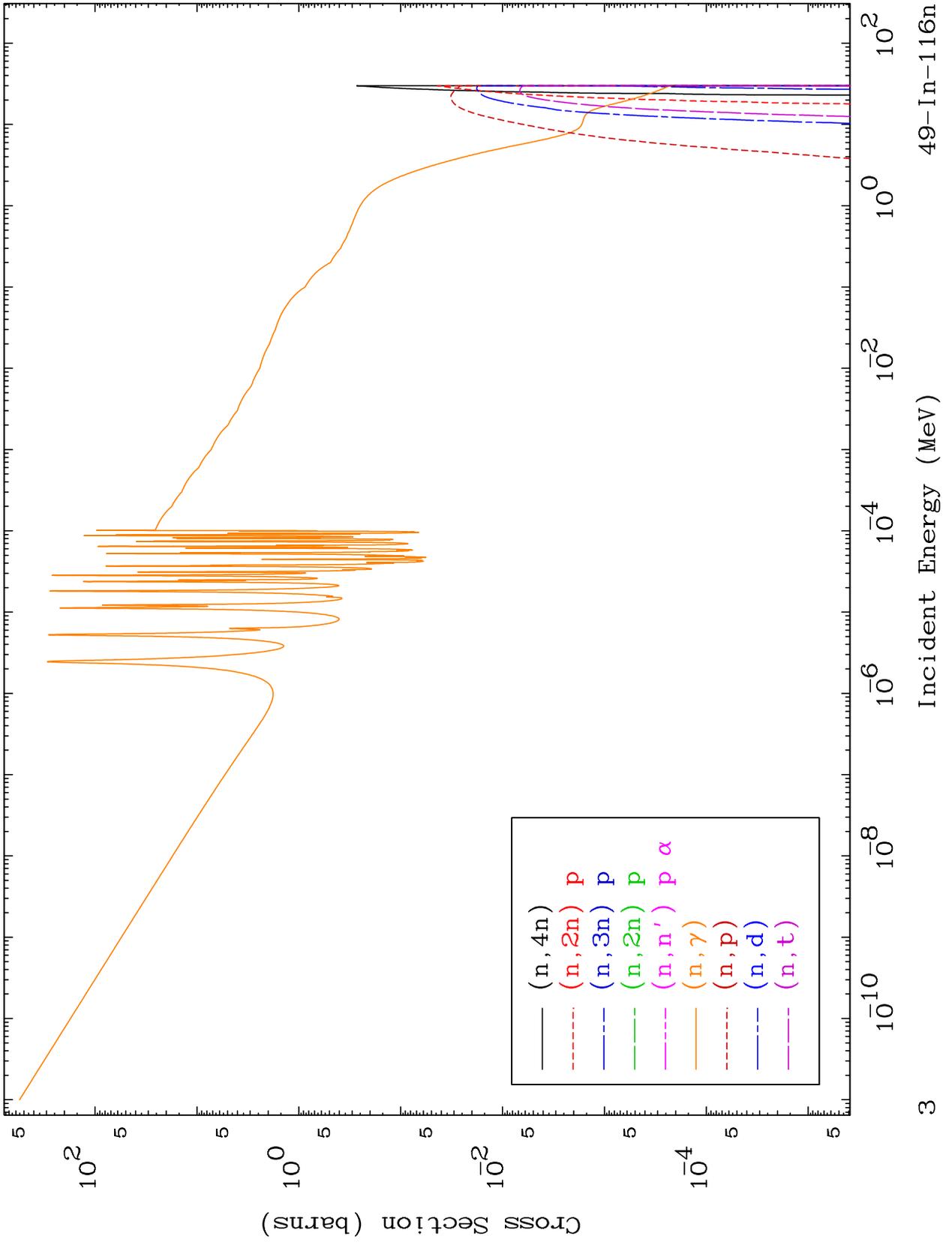
Incident Energy (MeV)

49-In-116n

MAT 4936

Neutron Absorption  
293 Kelvin Cross Sections

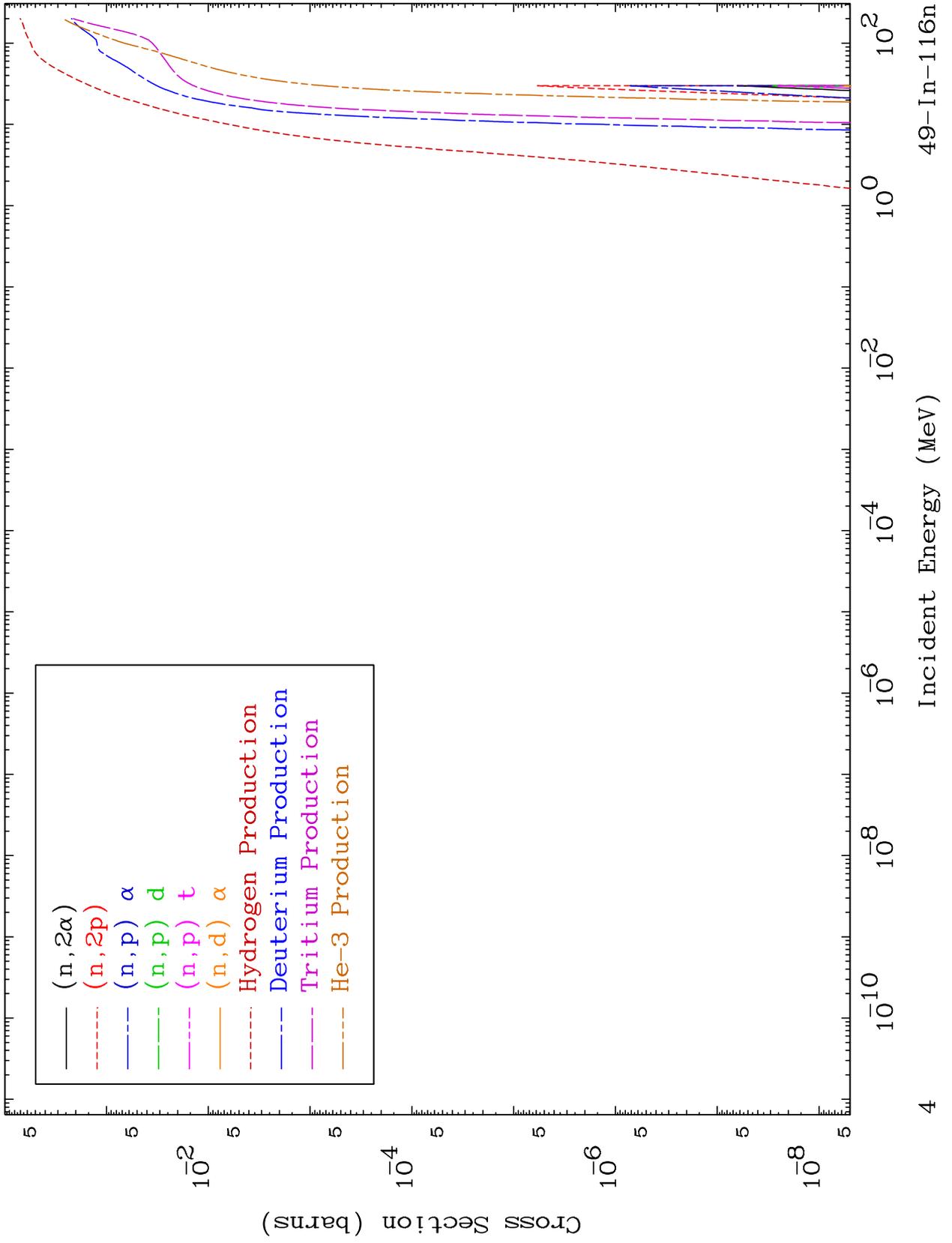
49-In-116n



MAT 4936

Neutron Absorption  
293 Kelvin Cross Sections

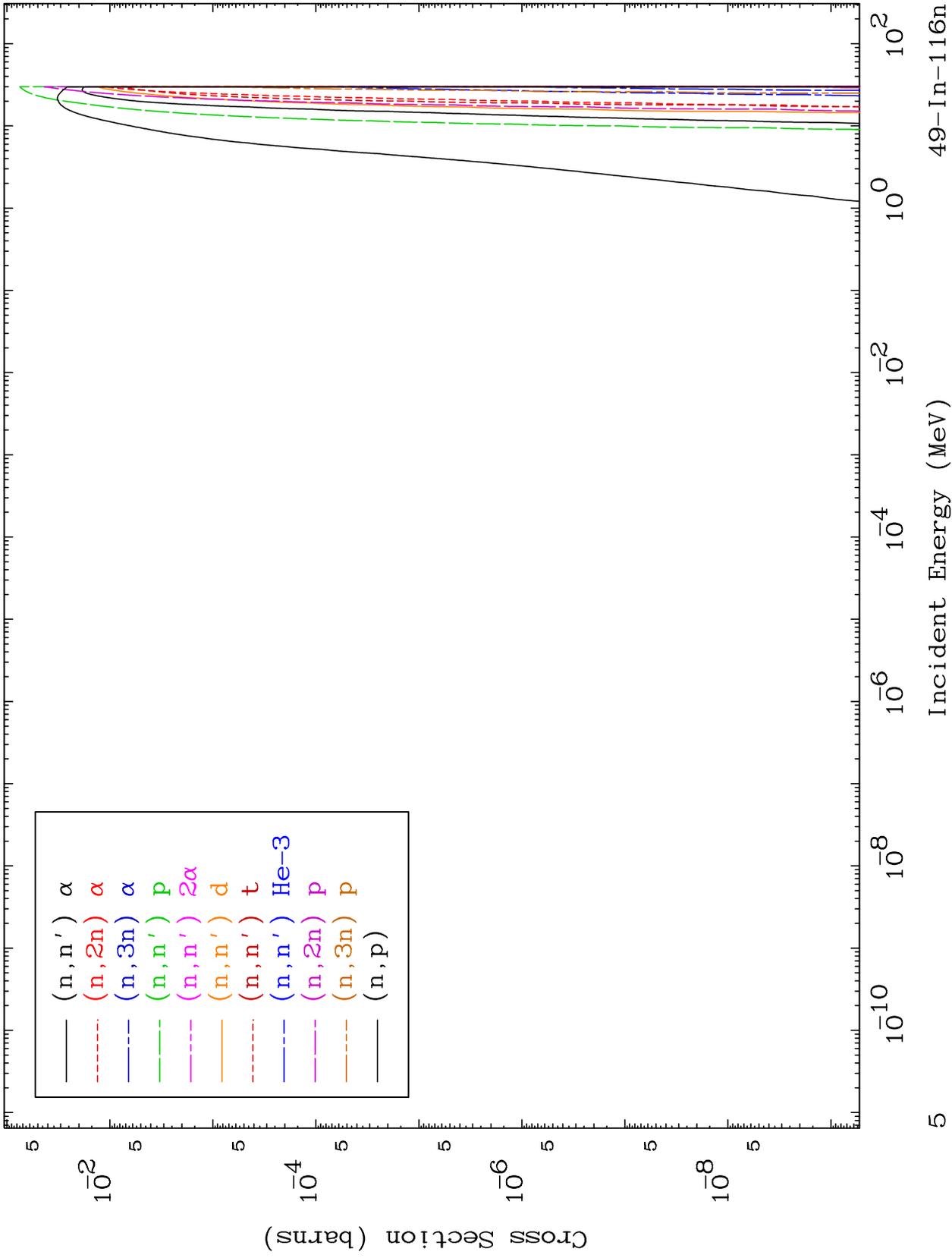
49-In-116n



MAT 4936

Charged Particle  
293 Kelvin Cross Sections

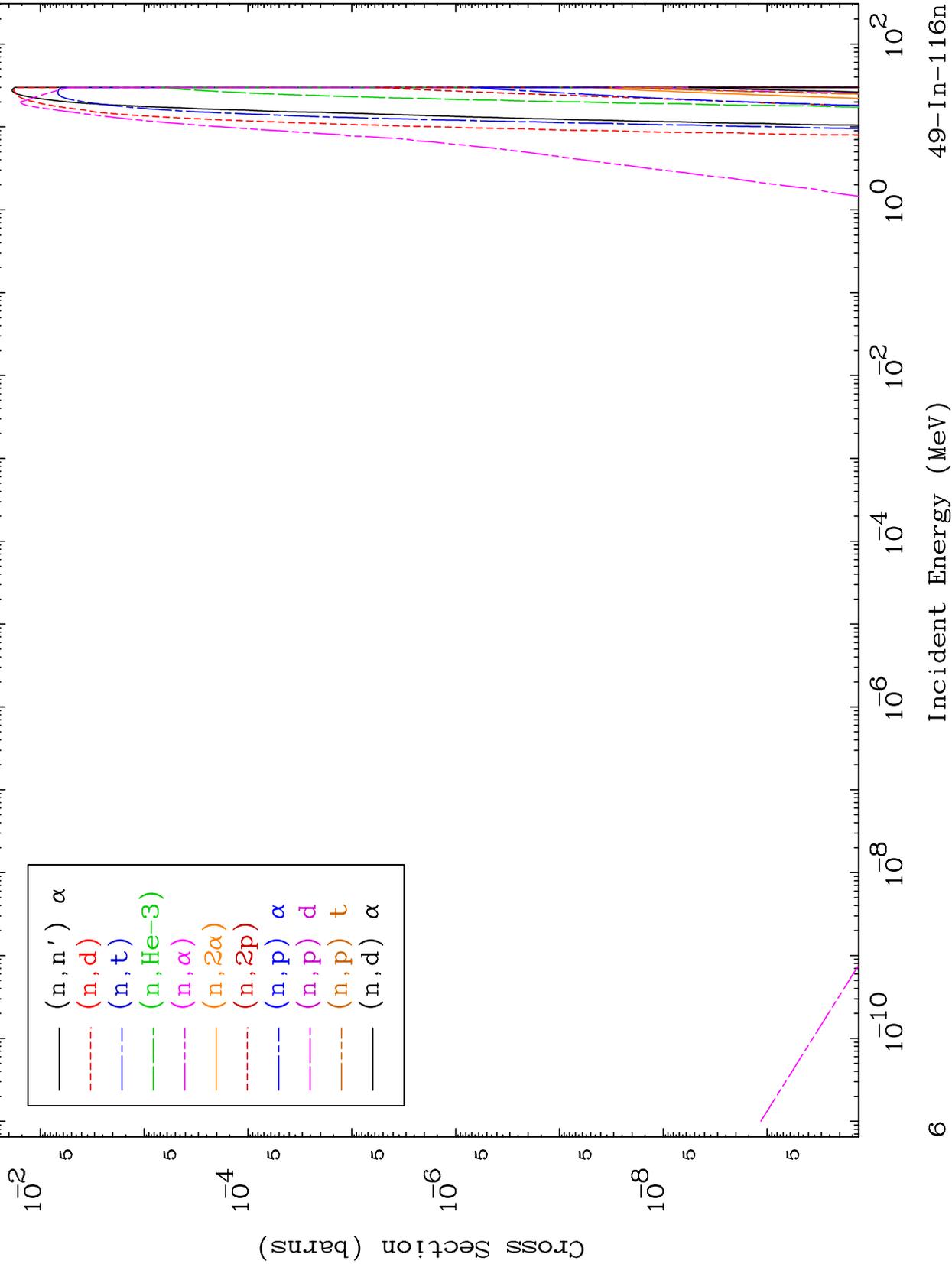
49-In-116n



MAT 4936

Charged Particle  
293 Kelvin Cross Sections

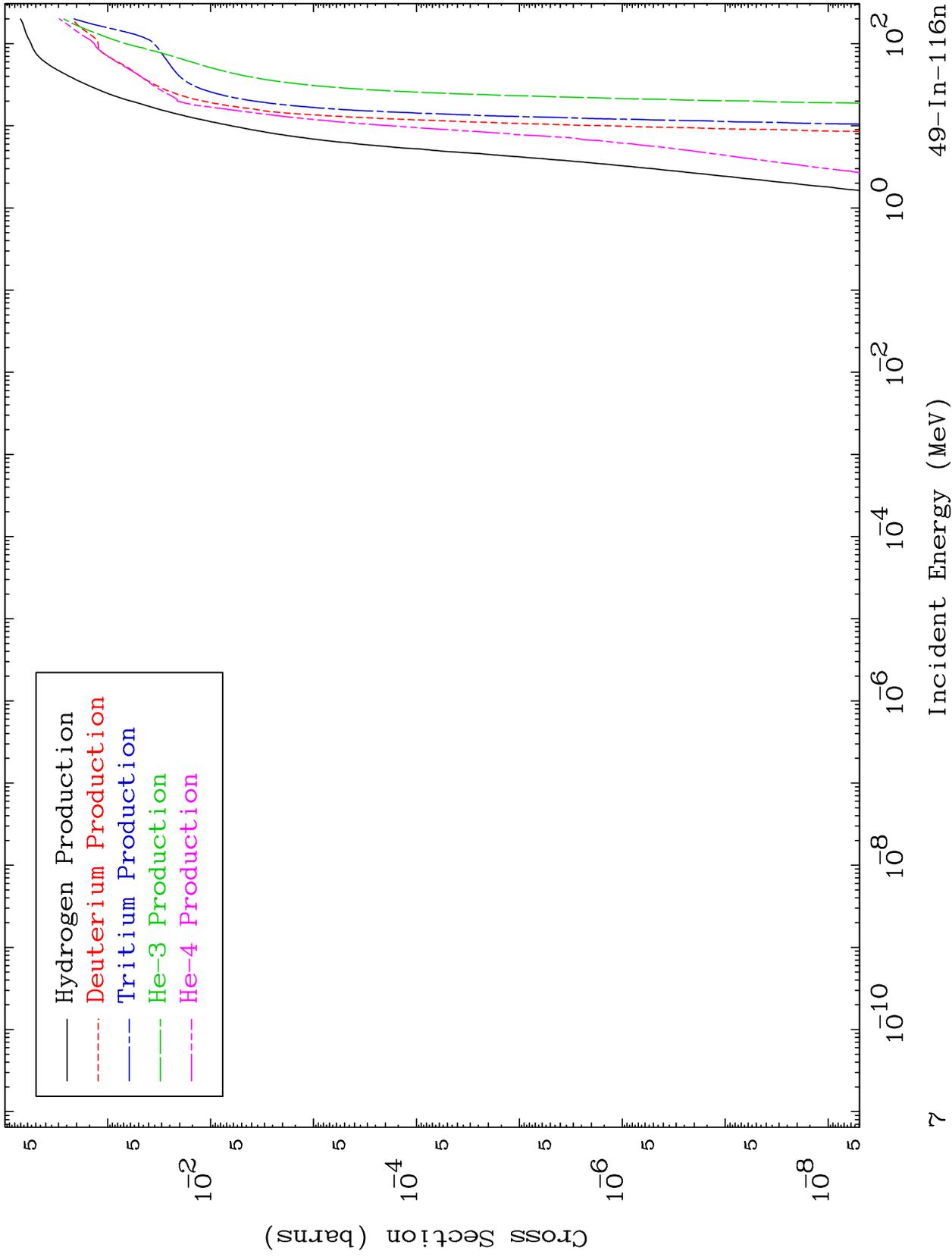
49-In-116n



MAT 4936

Particle Production  
293 Kelvin Cross Sections

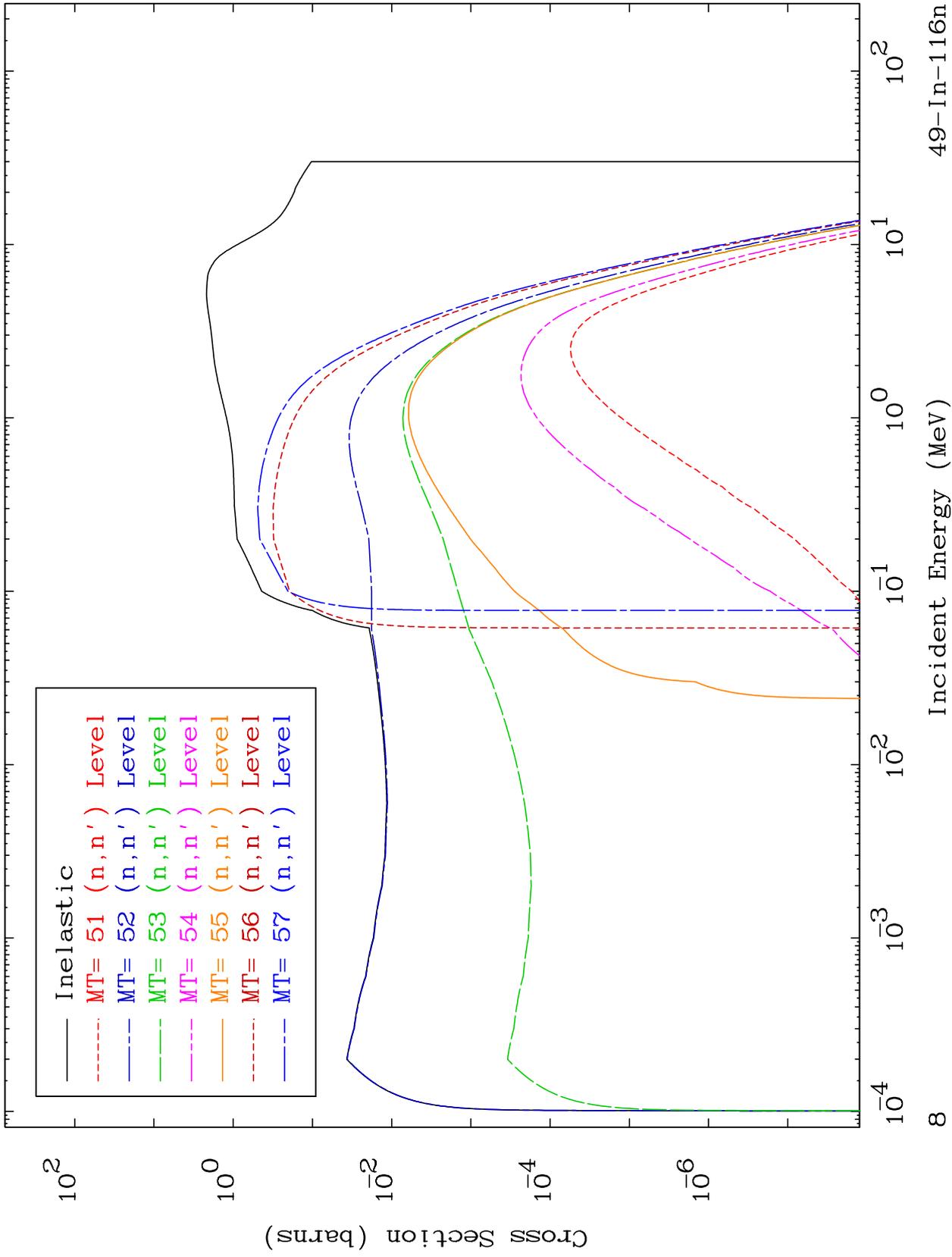
49-In-116n



MAT 4936

(n,n') Levels  
293 Kelvin Cross Sections

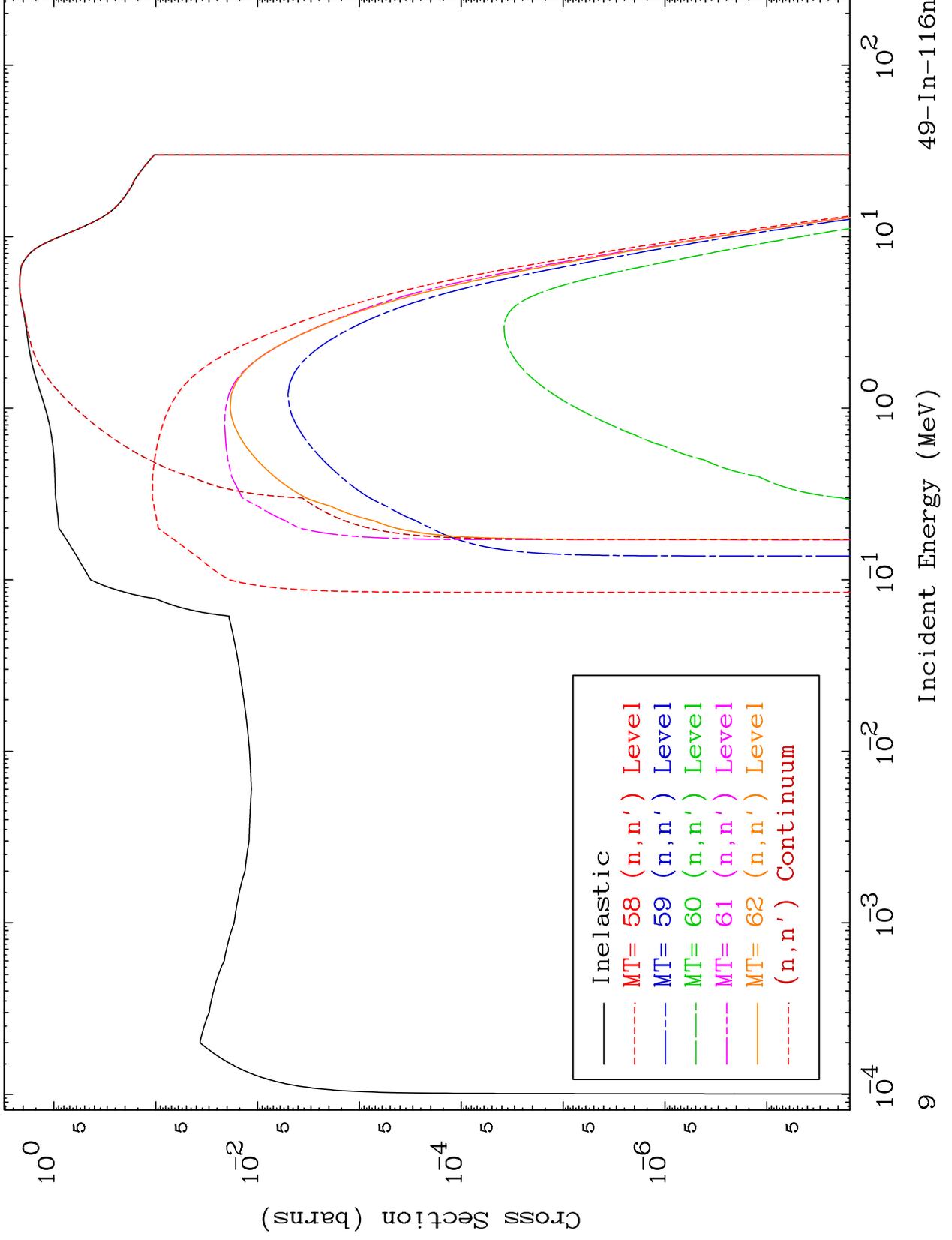
49-In-116n



MAT 4936

(n,n') Levels  
293 Kelvin Cross Sections

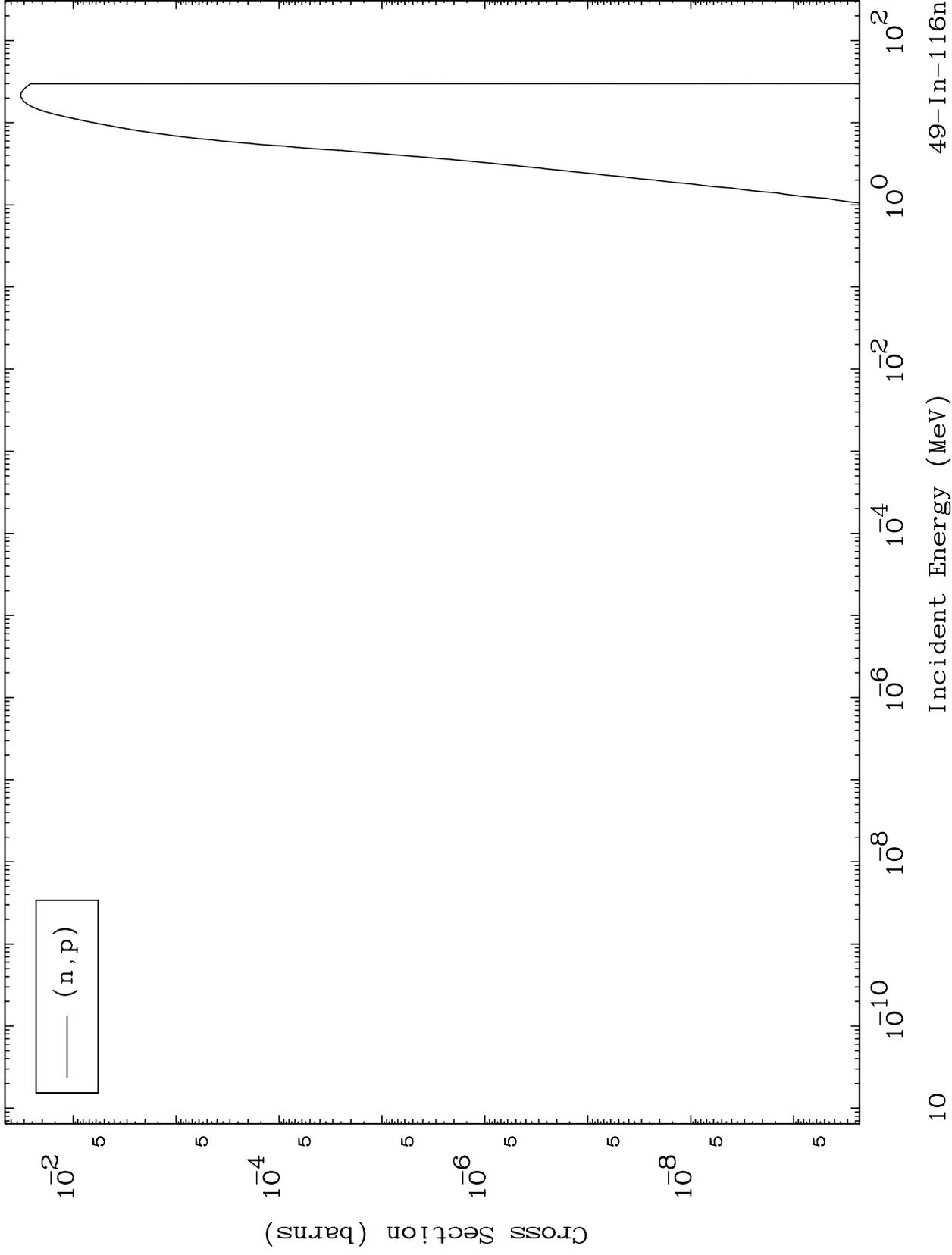
49-In-116n



MAT 4936

(n,p) Levels  
293 Kelvin Cross Sections

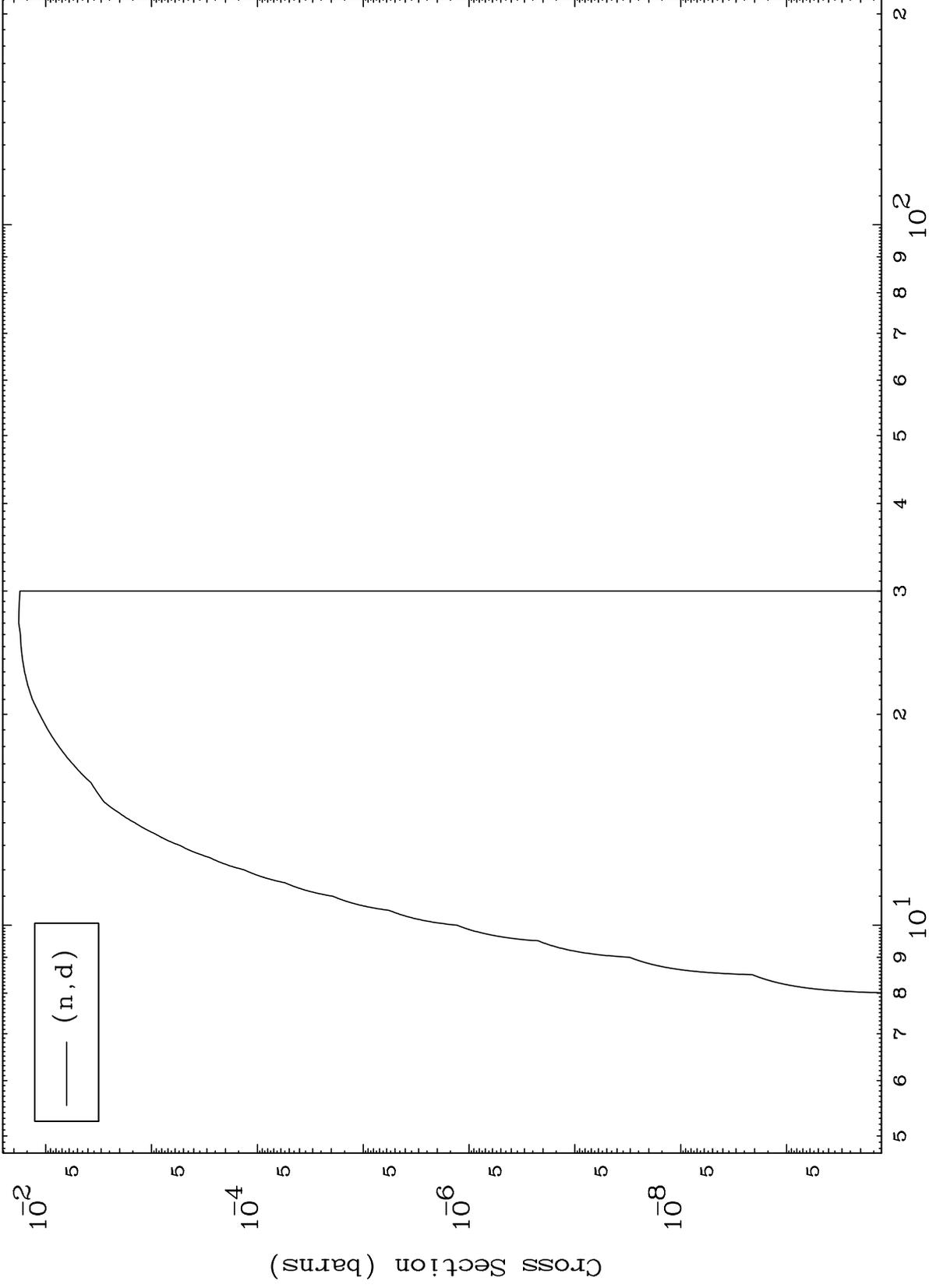
49-In-116n



MAT 4936

(n,d) Levels  
293 Kelvin Cross Sections

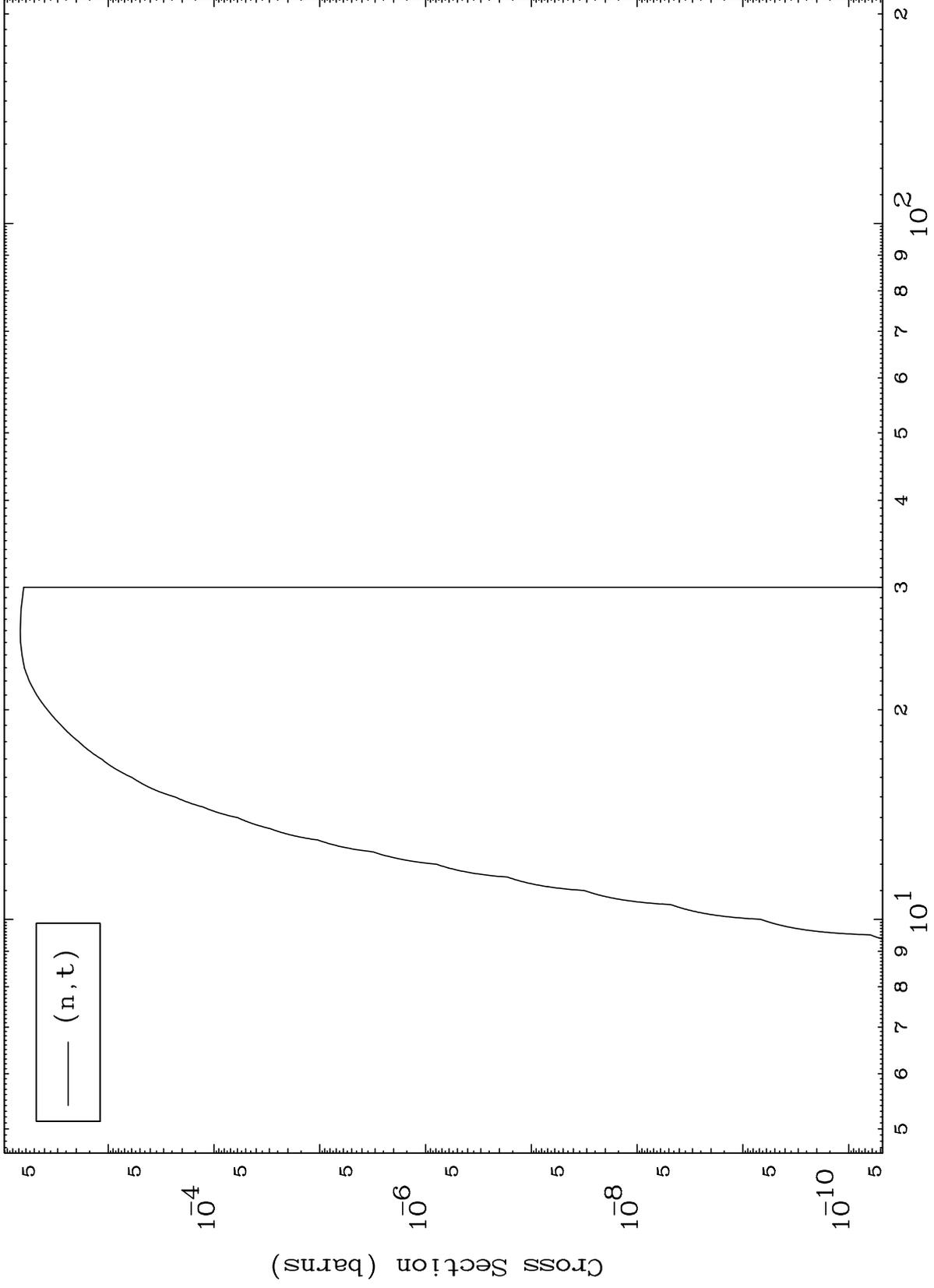
49-In-116n



MAT 4936

(n,t) Levels  
293 Kelvin Cross Sections

49-In-116n



12

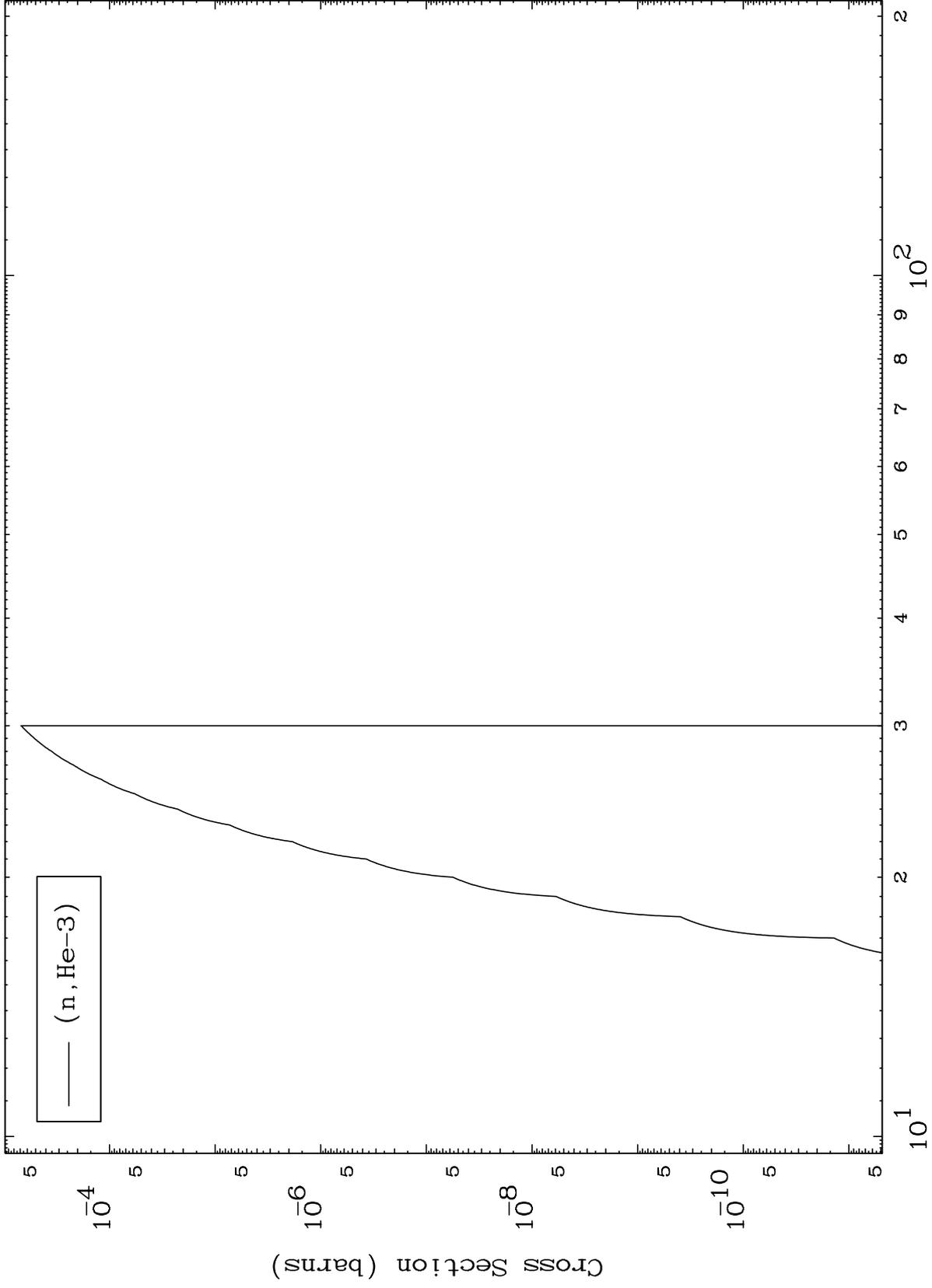
Incident Energy (MeV)

49-In-116n

MAT 4936

(n,He3) Levels  
293 Kelvin Cross Sections

49-In-116n



13

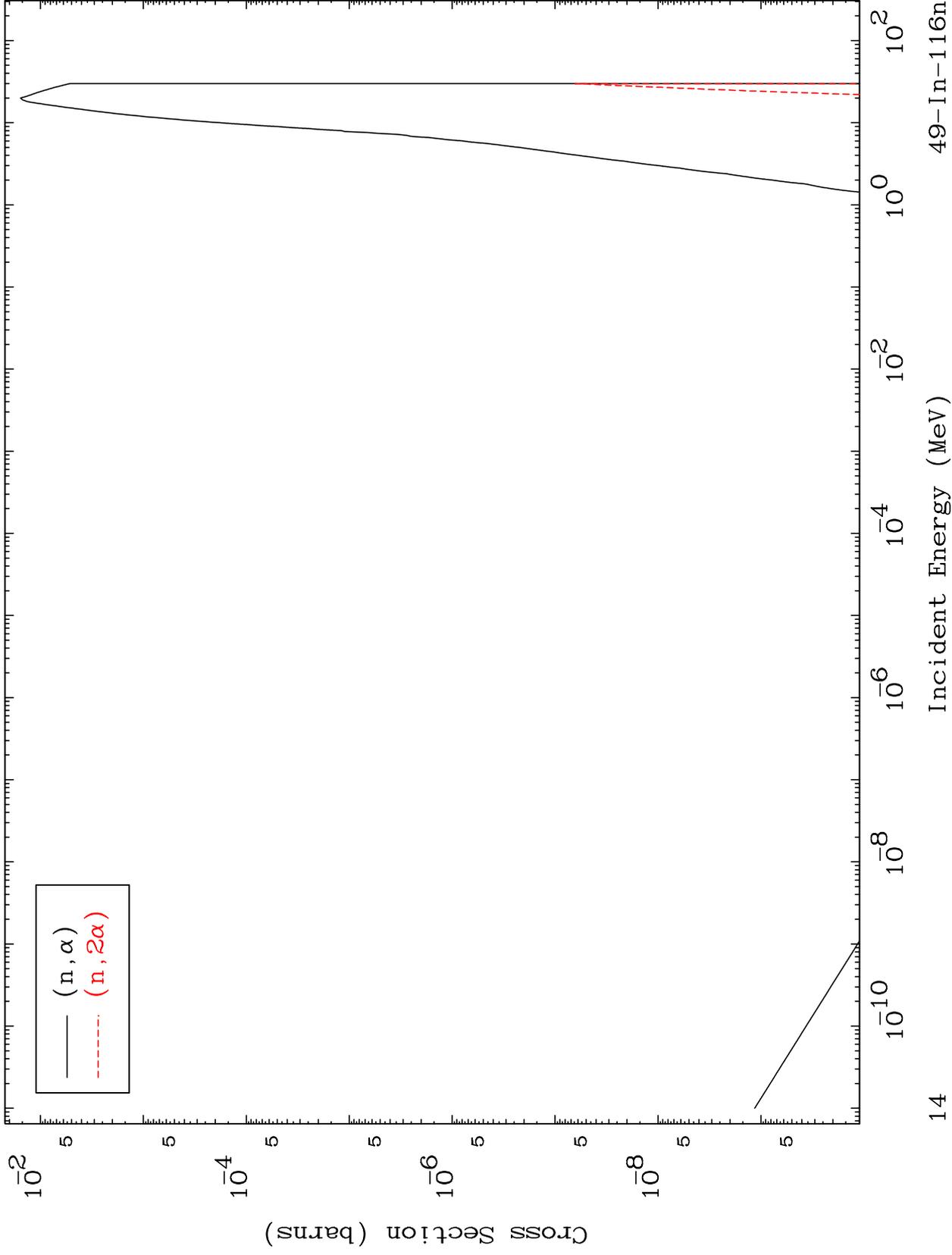
Incident Energy (MeV)

49-In-116n

MAT 4936

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

49-In-116n

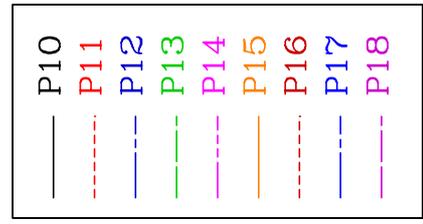




MAT 4936

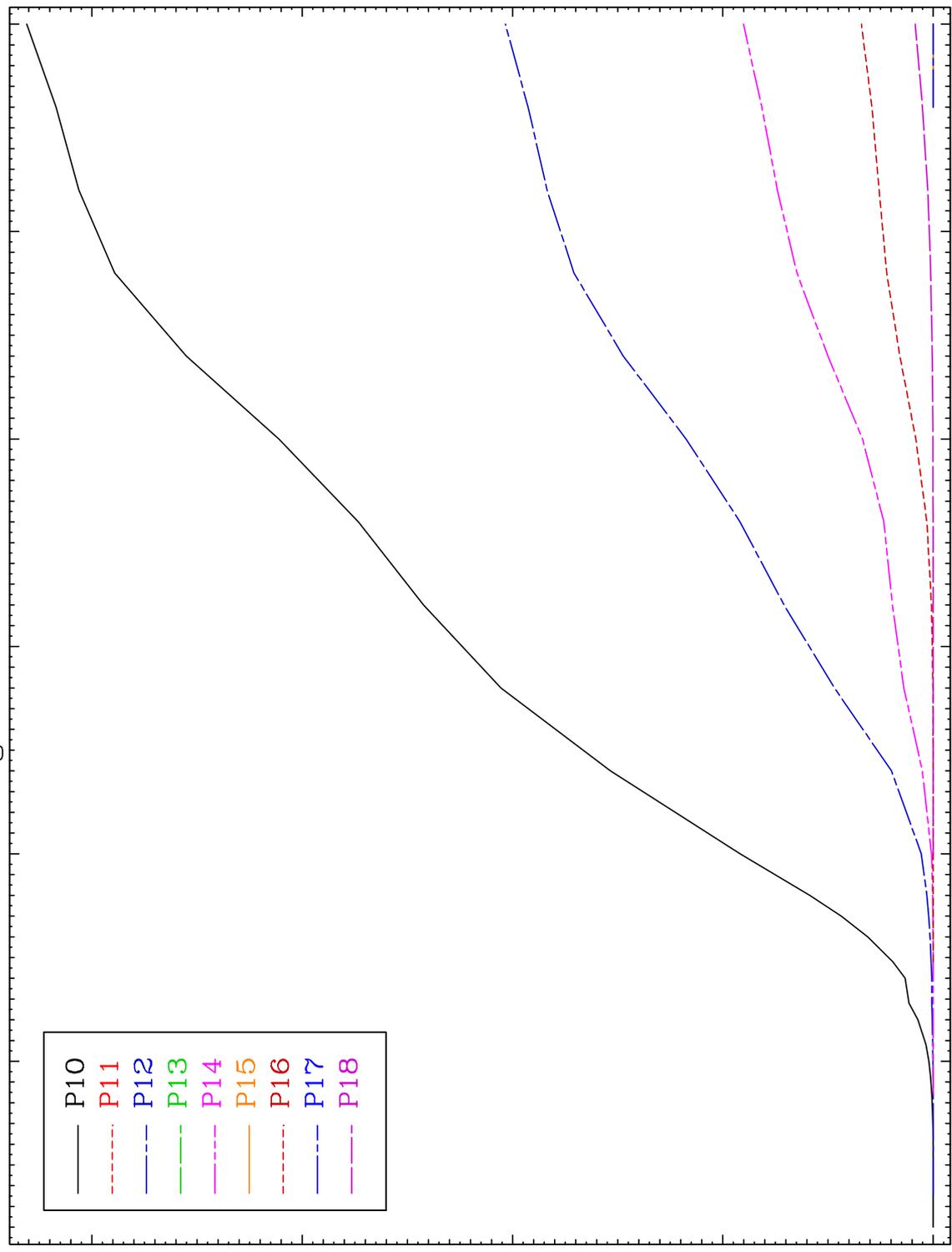
Elastic Legendre Coefficients

49-In-116n



$\times 10^{-4}$

Legendre (CM)



16

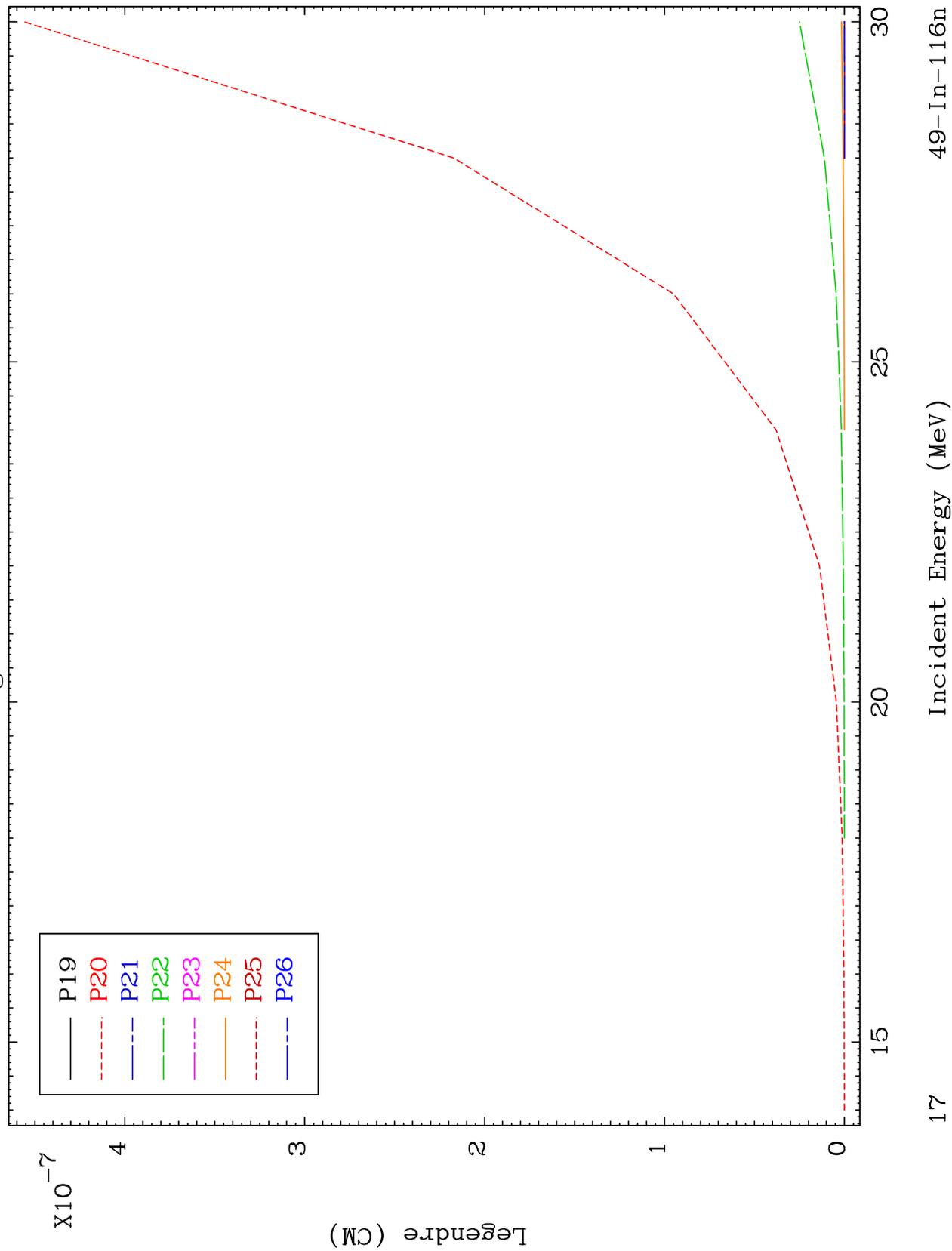
Incident Energy (MeV)

49-In-116n

MAT 4936

Elastic  
Legendre Coefficients

49-In-116n



17

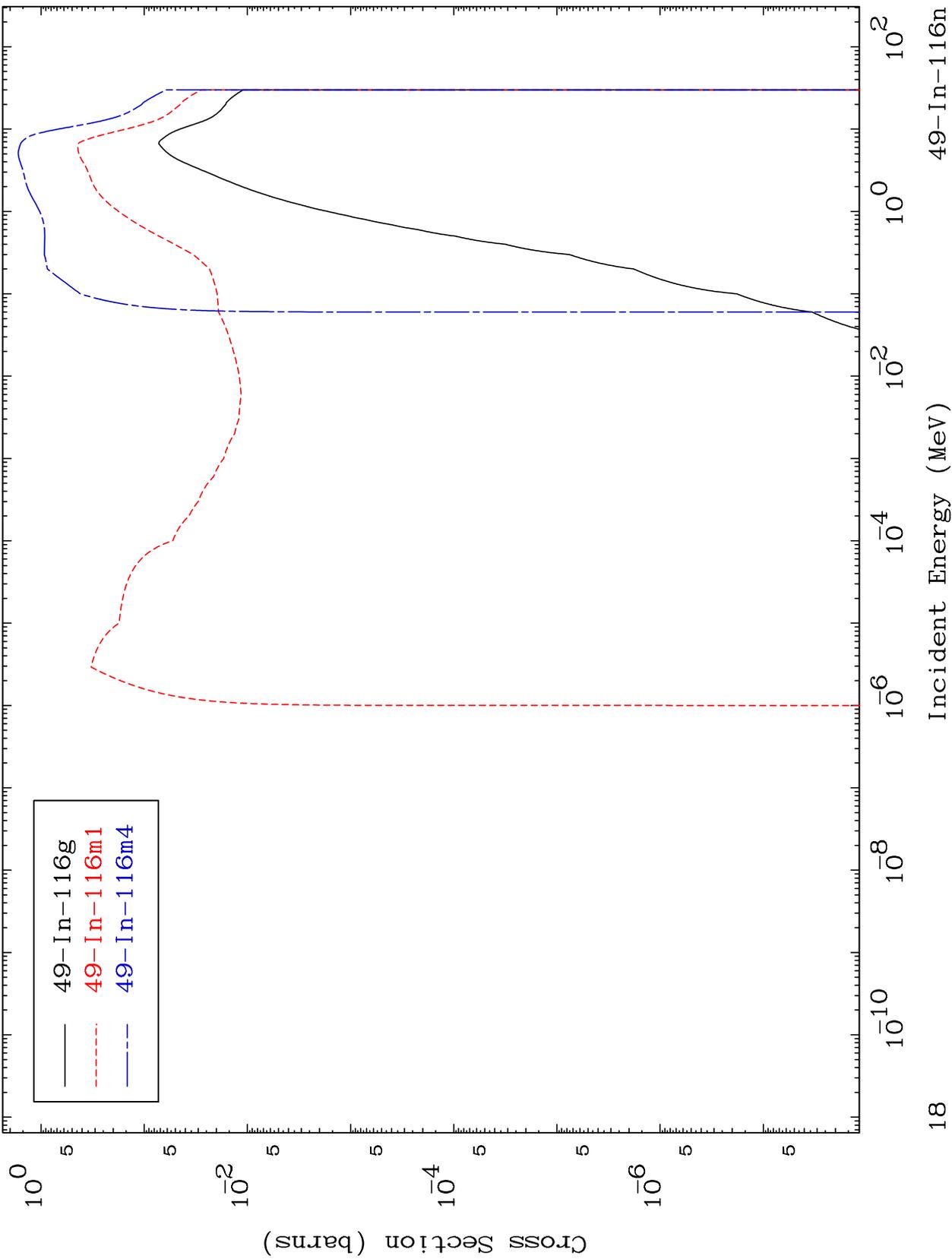
Incident Energy (MeV)

49-In-116n

MAT 4936

49-In-116n

Inelastic  
Radionuclide Production Cross Section



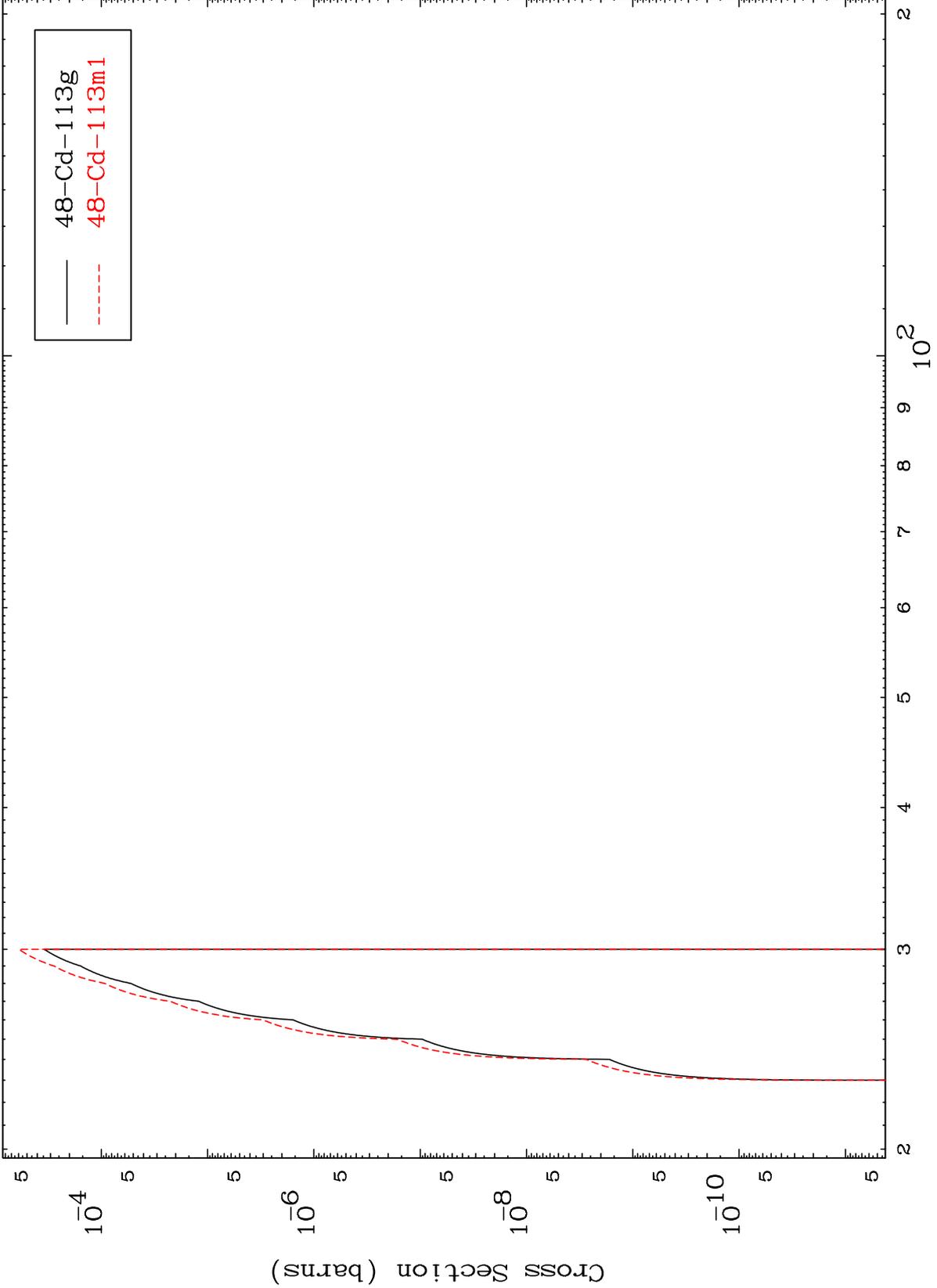
49-In-116g  
49-In-116m1  
49-In-116m4

MAT 4936

(n,2n) d

49-In-116n

Radionuclide Production Cross Section



48-Cd-113g  
48-Cd-113m1

19

Incident Energy (MeV)

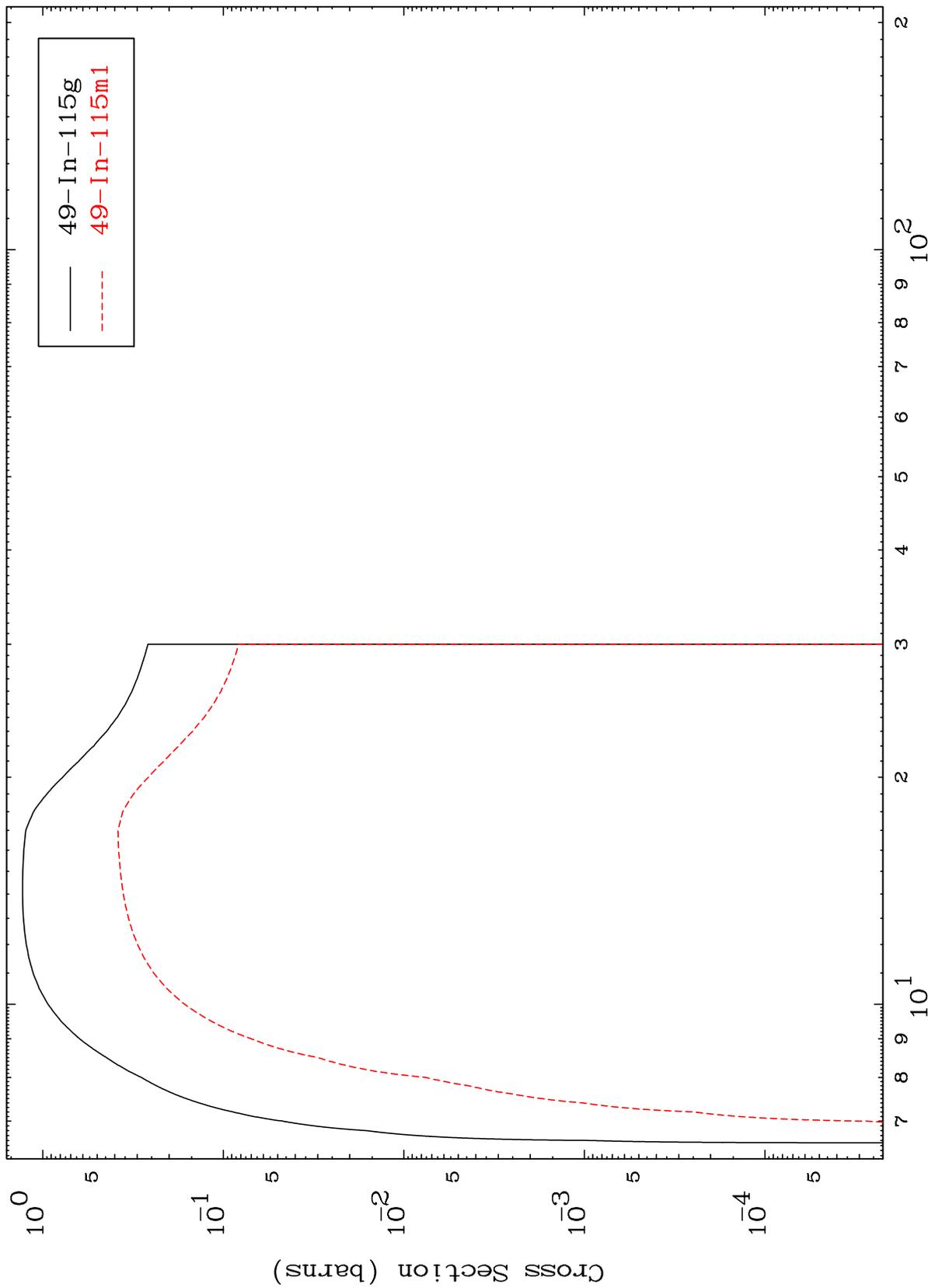
49-In-116n

MAT 4936

49-In-116n

(n,2n)

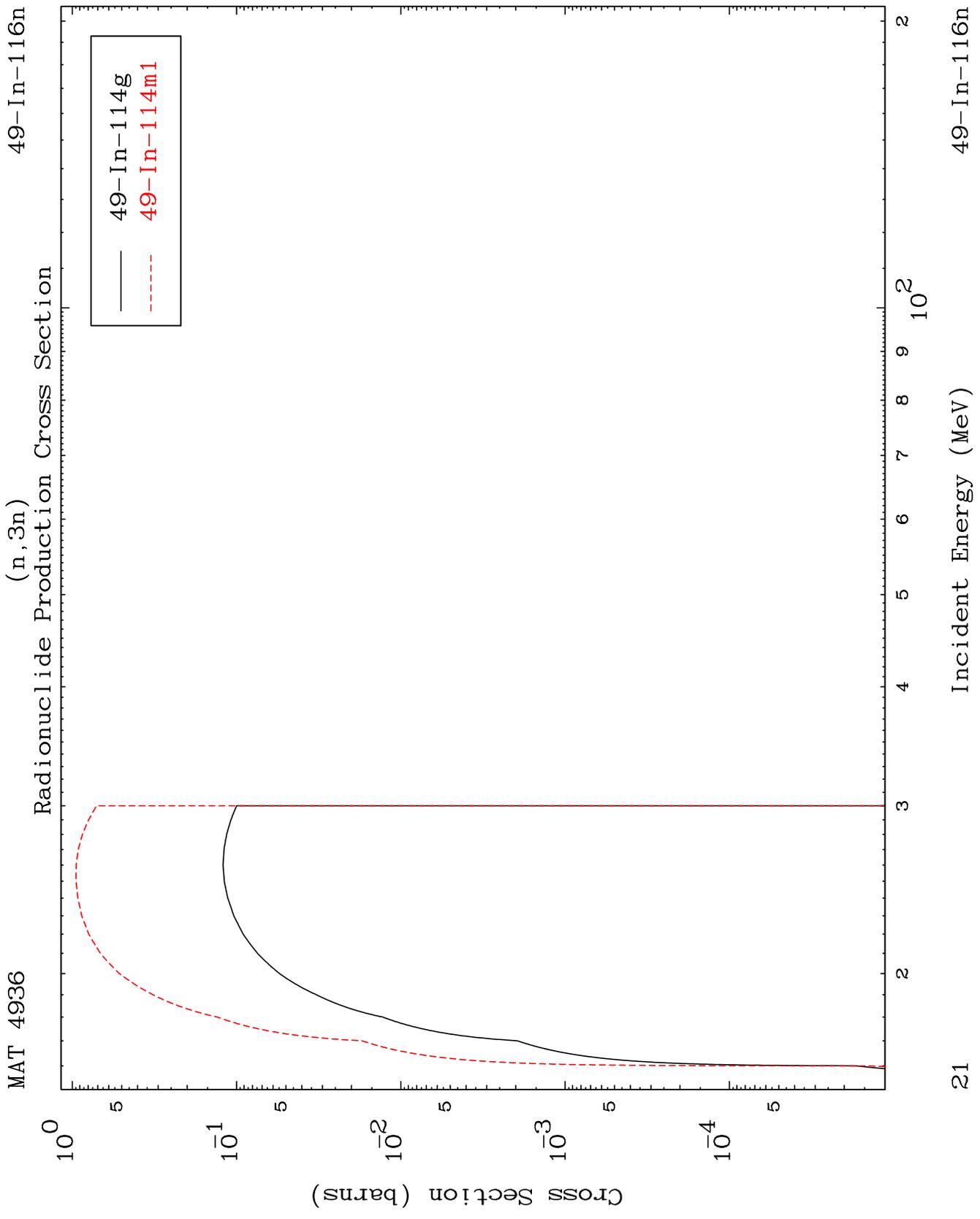
Radionuclide Production Cross Section



20

Incident Energy (MeV)

49-In-116n

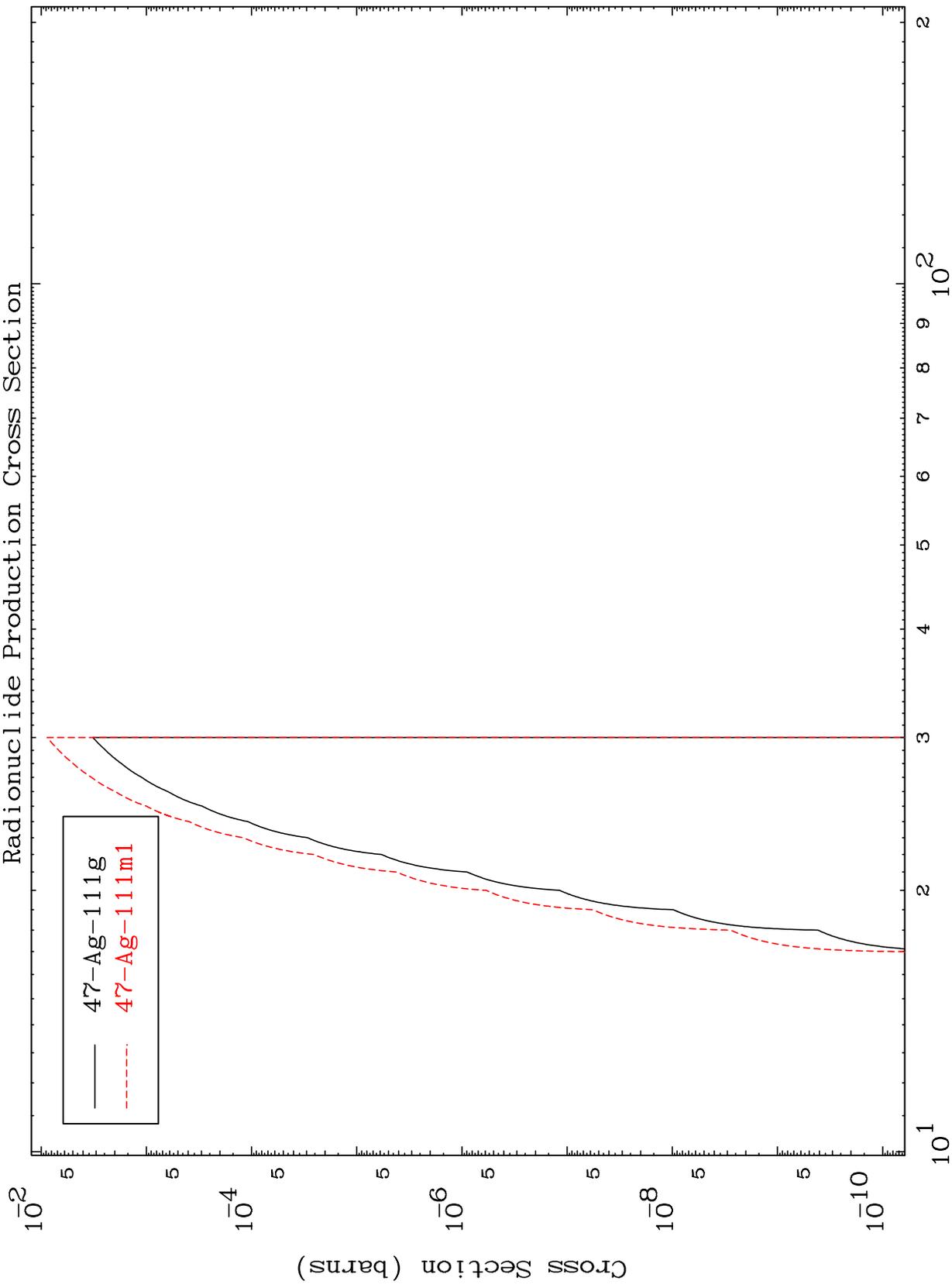


MAT 4936

49-In-116n

(n,2n)  $\alpha$

Radionuclide Production Cross Section



49-In-116n

Incident Energy (MeV)

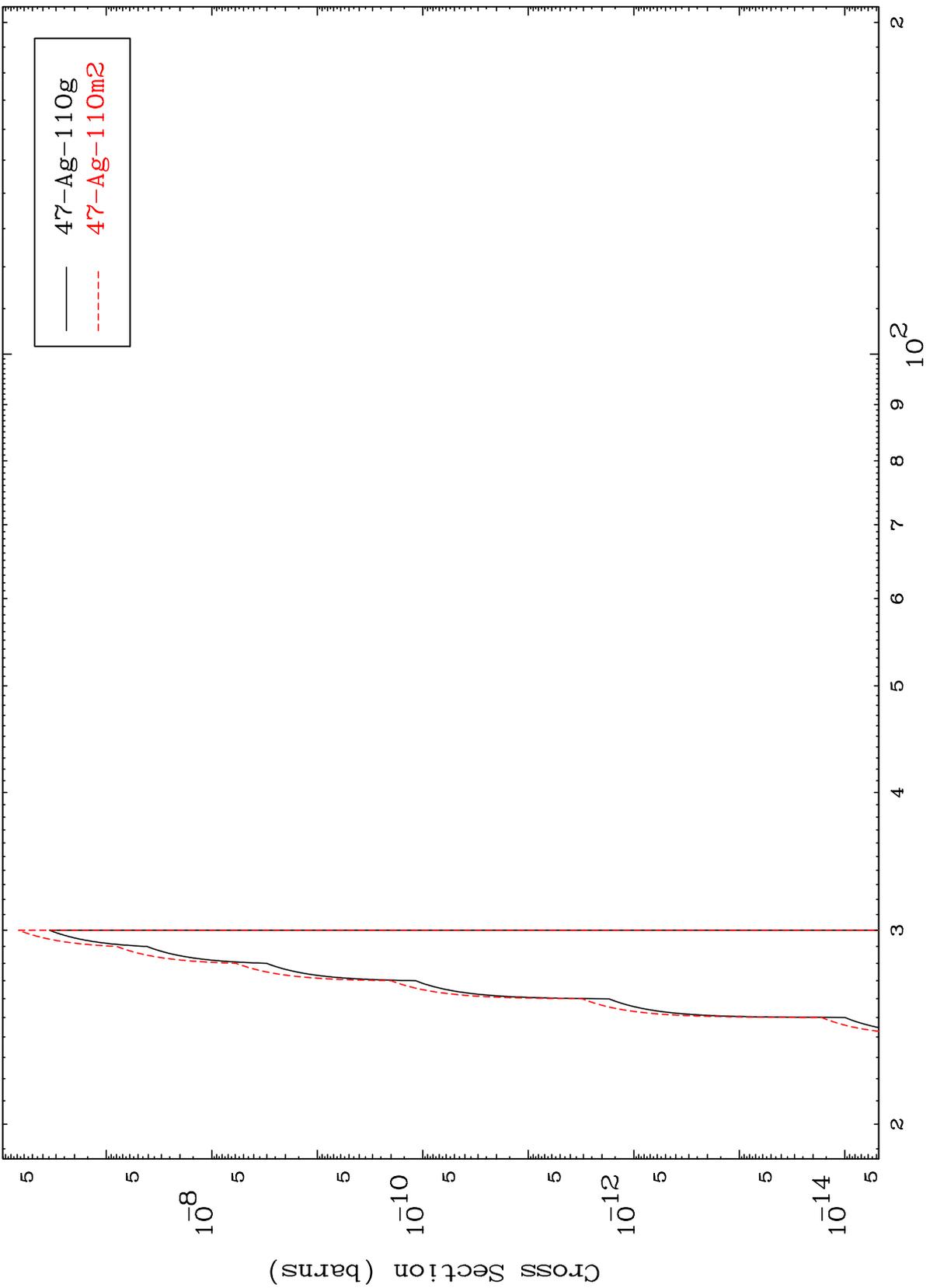
22

MAT 4936

(n,3n)  $\alpha$

49-In-116n

Radionuclide Production Cross Section



23

Incident Energy (MeV)

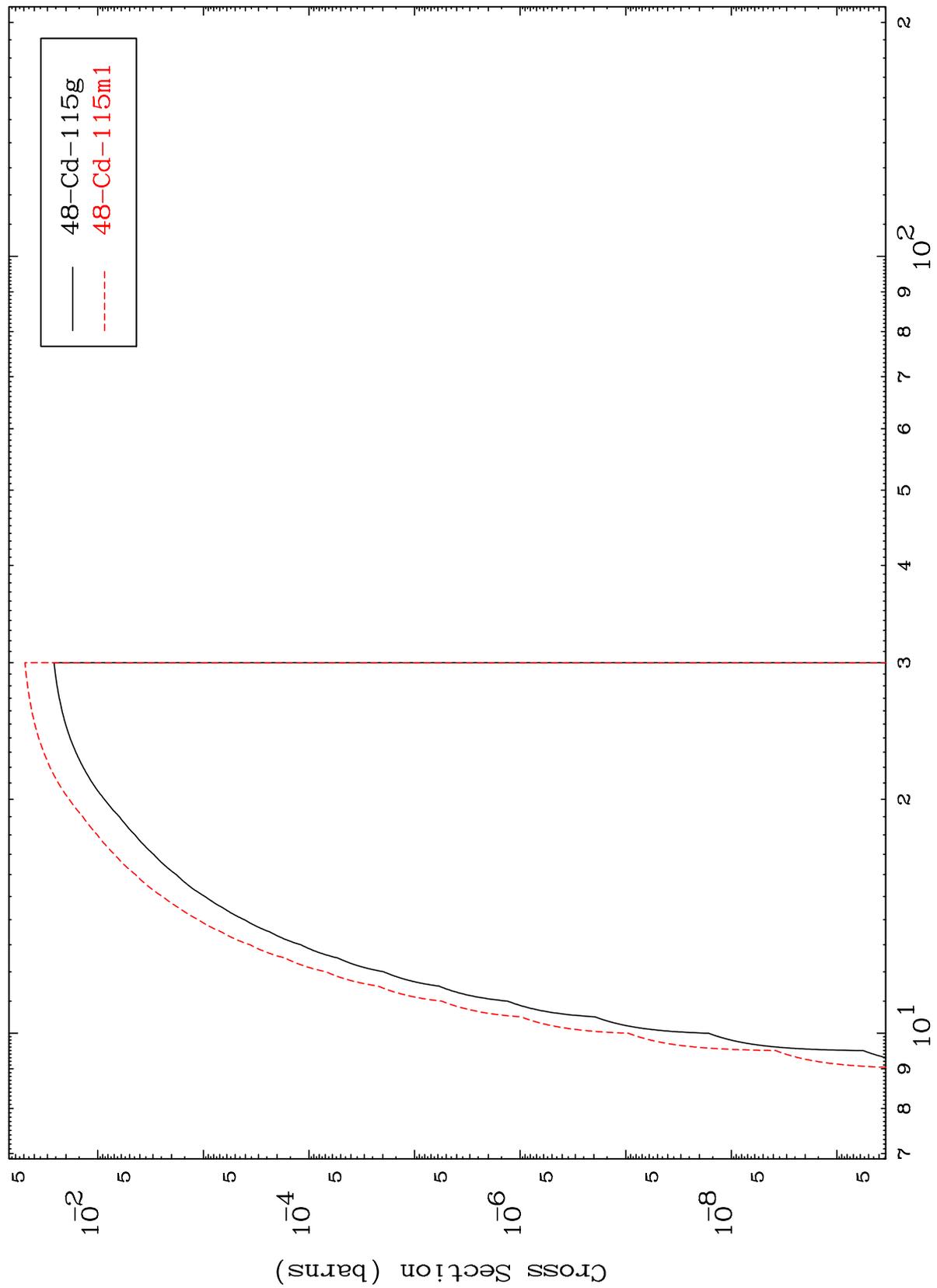
49-In-116n

MAT 4936

(n,n') p

49-In-116n

Radionuclide Production Cross Section



24

Incident Energy (MeV)

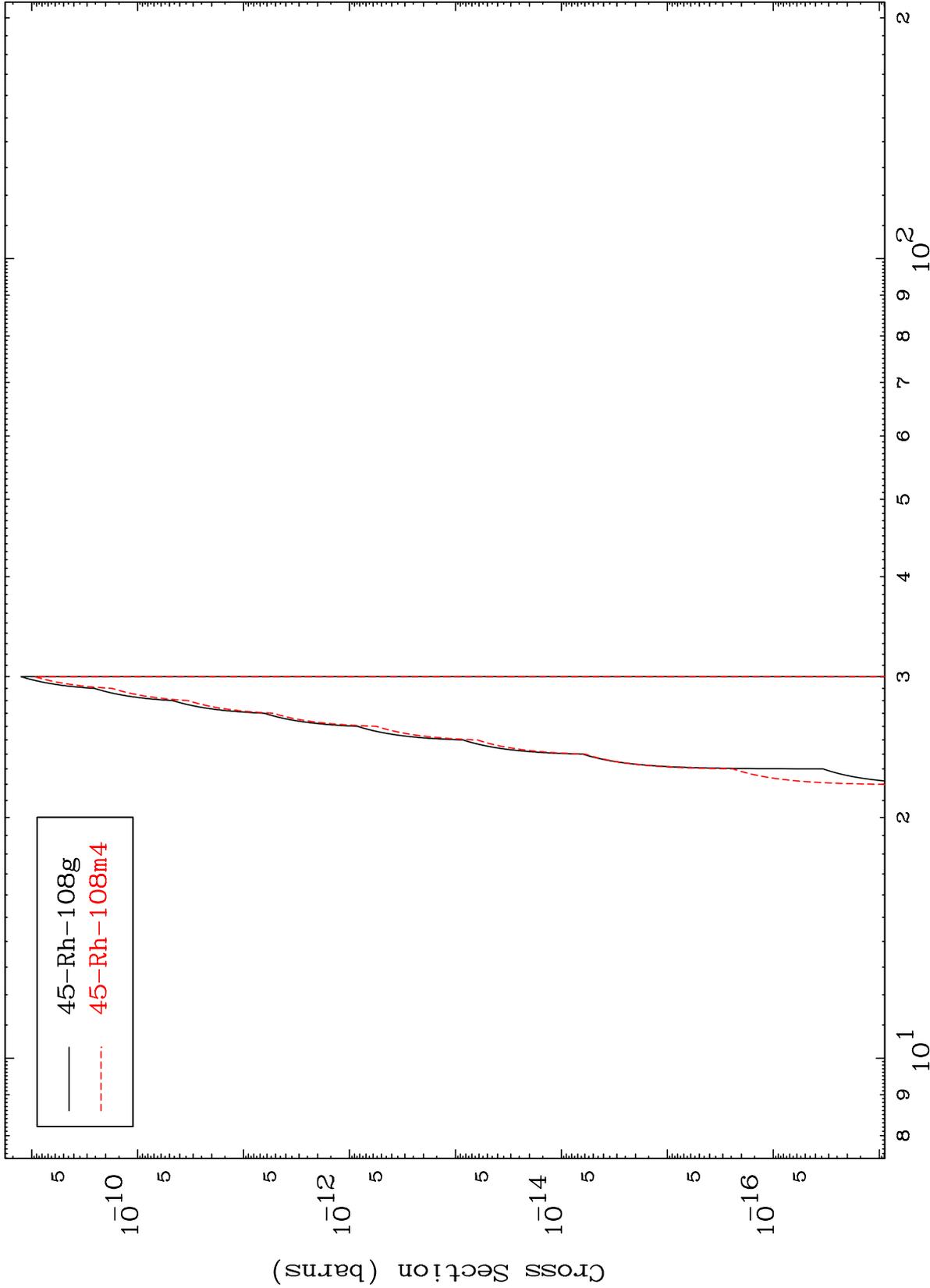
49-In-116n

MAT 4936

(n,n') 2α

49-In-116n

Radionuclide Production Cross Section



45-Rh-108g  
45-Rh-108m4

25

Incident Energy (MeV)

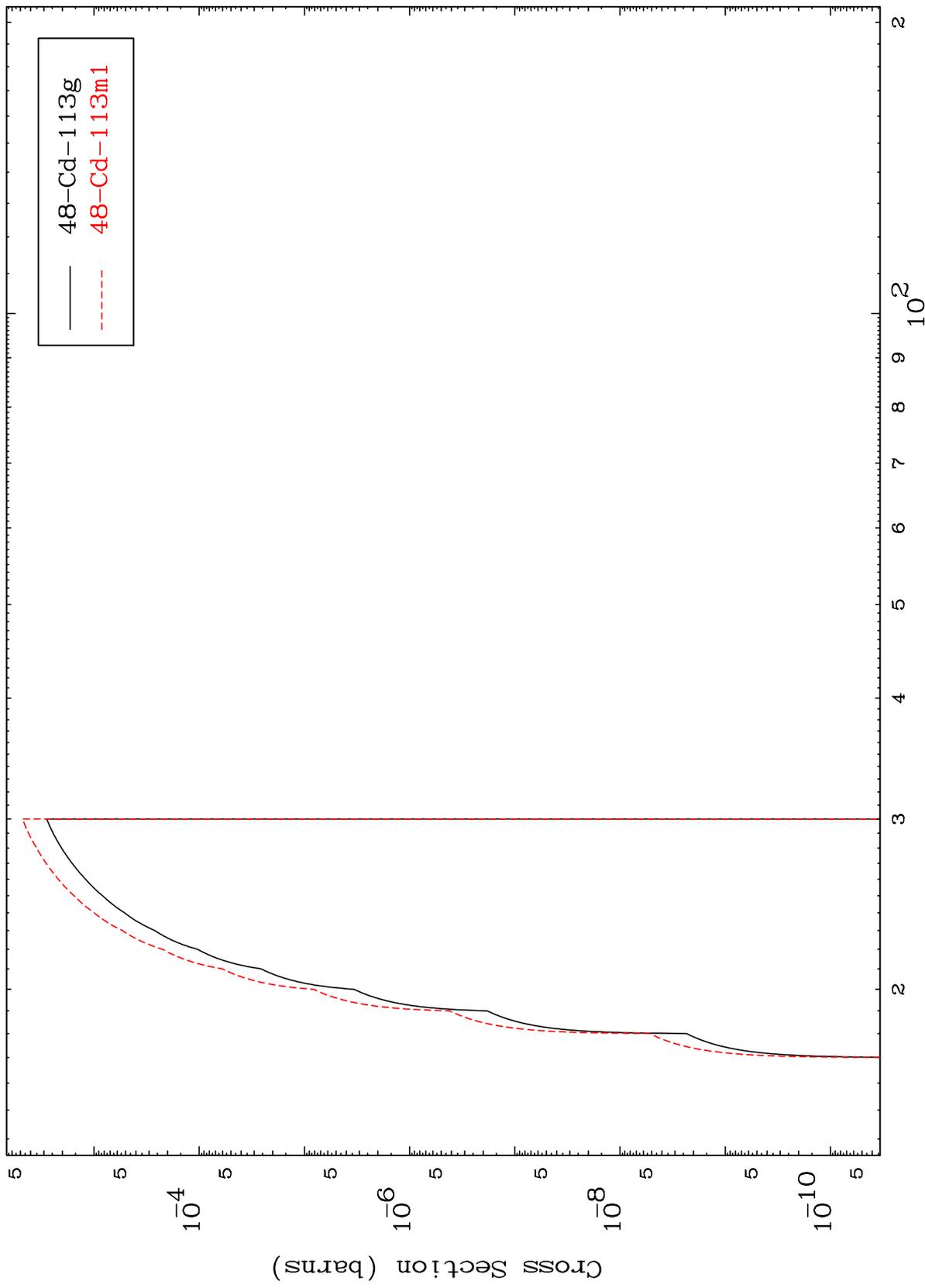
49-In-116n

MAT 4936

(n,n') t

49-In-116n

Radionuclide Production Cross Section



26

Incident Energy (MeV)

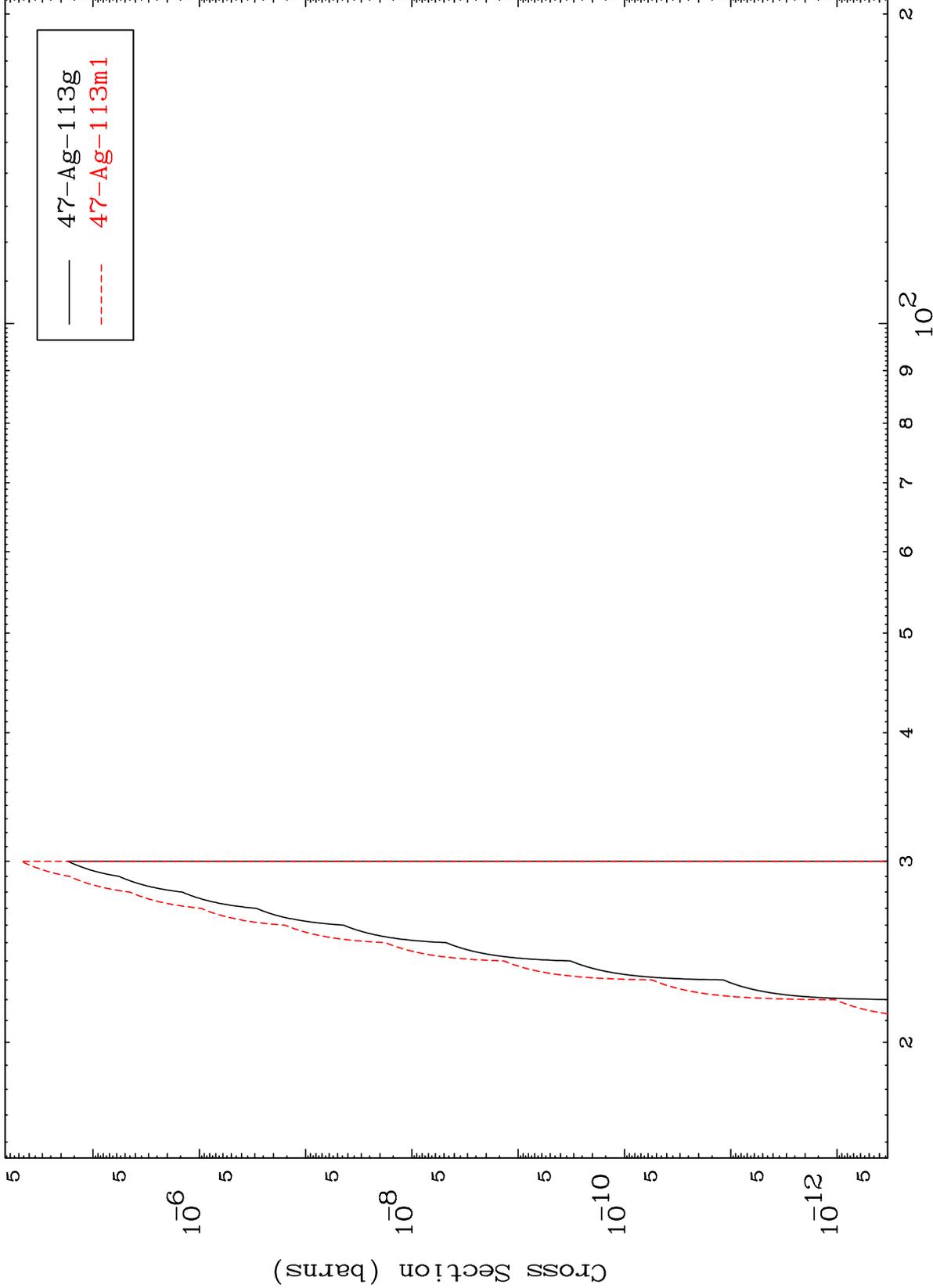
49-In-116n

MAT 4936

(n,n') He-3

49-In-116n

Radionuclide Production Cross Section



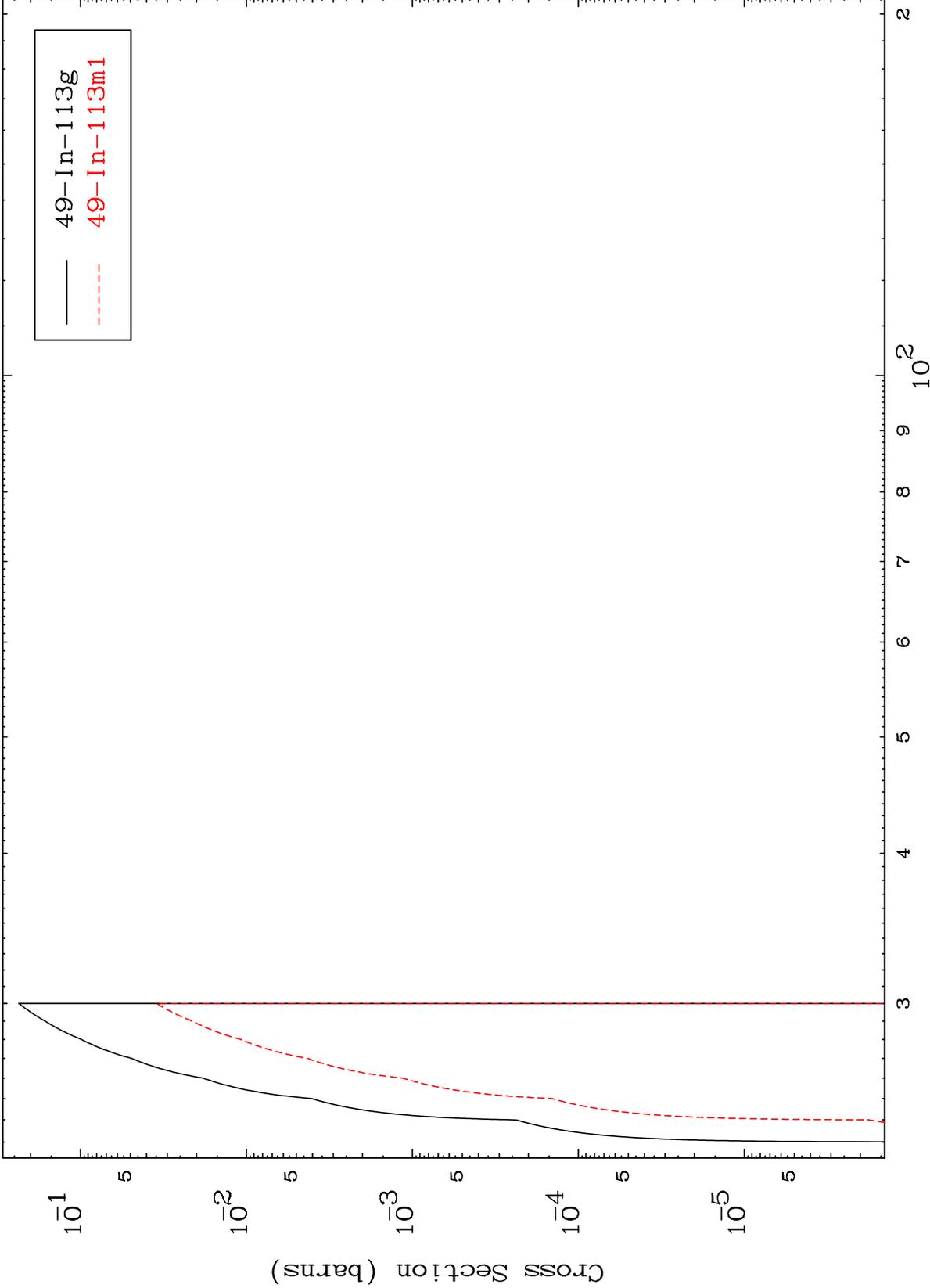
47-Ag-113g  
47-Ag-113m1

27

Incident Energy (MeV)

49-In-116n

Radionuclide Production Cross Section



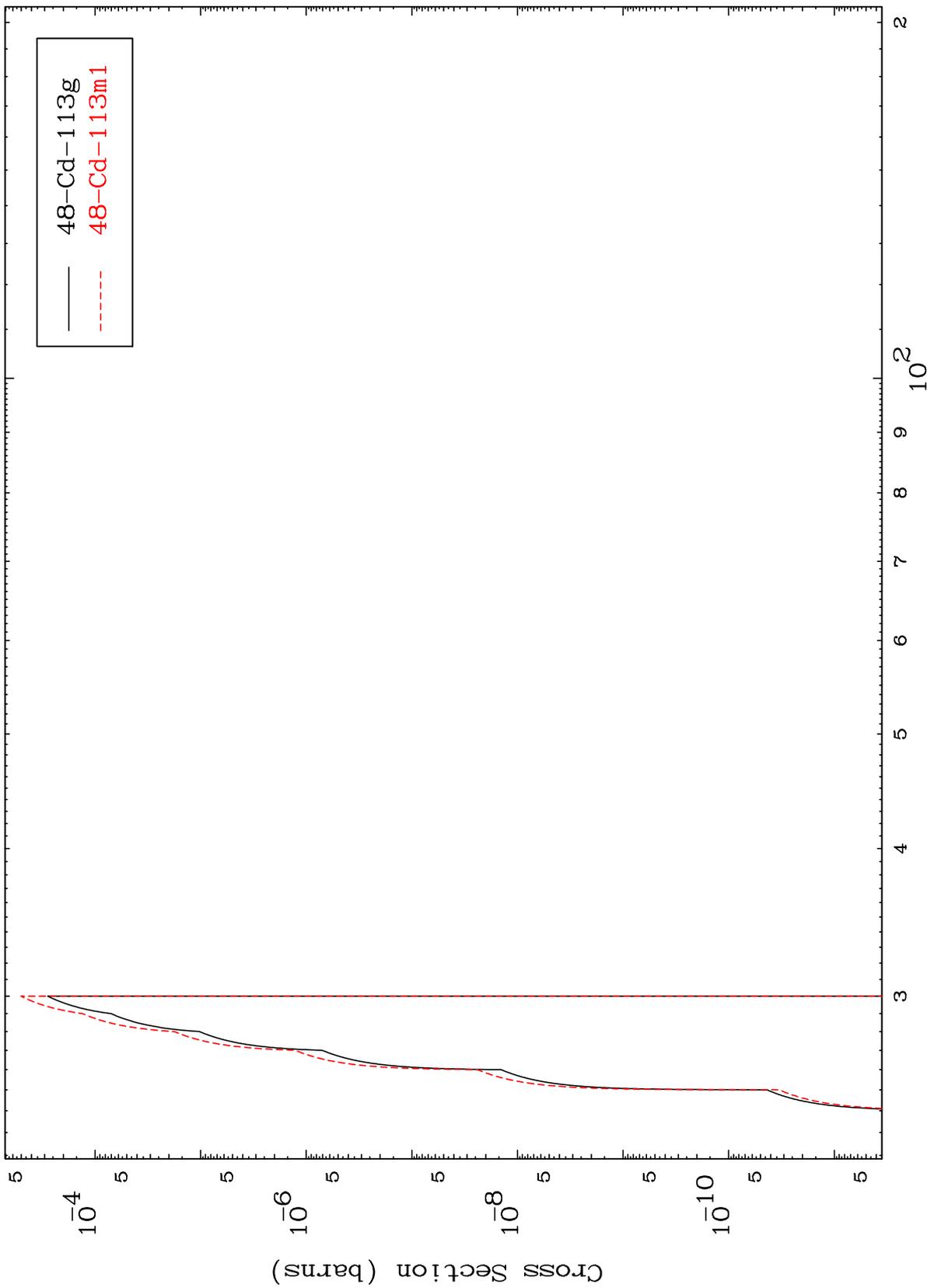
49-In-113g  
49-In-113m1

MAT 4936

(n,3n) p

49-In-116n

Radionuclide Production Cross Section



29

Incident Energy (MeV)

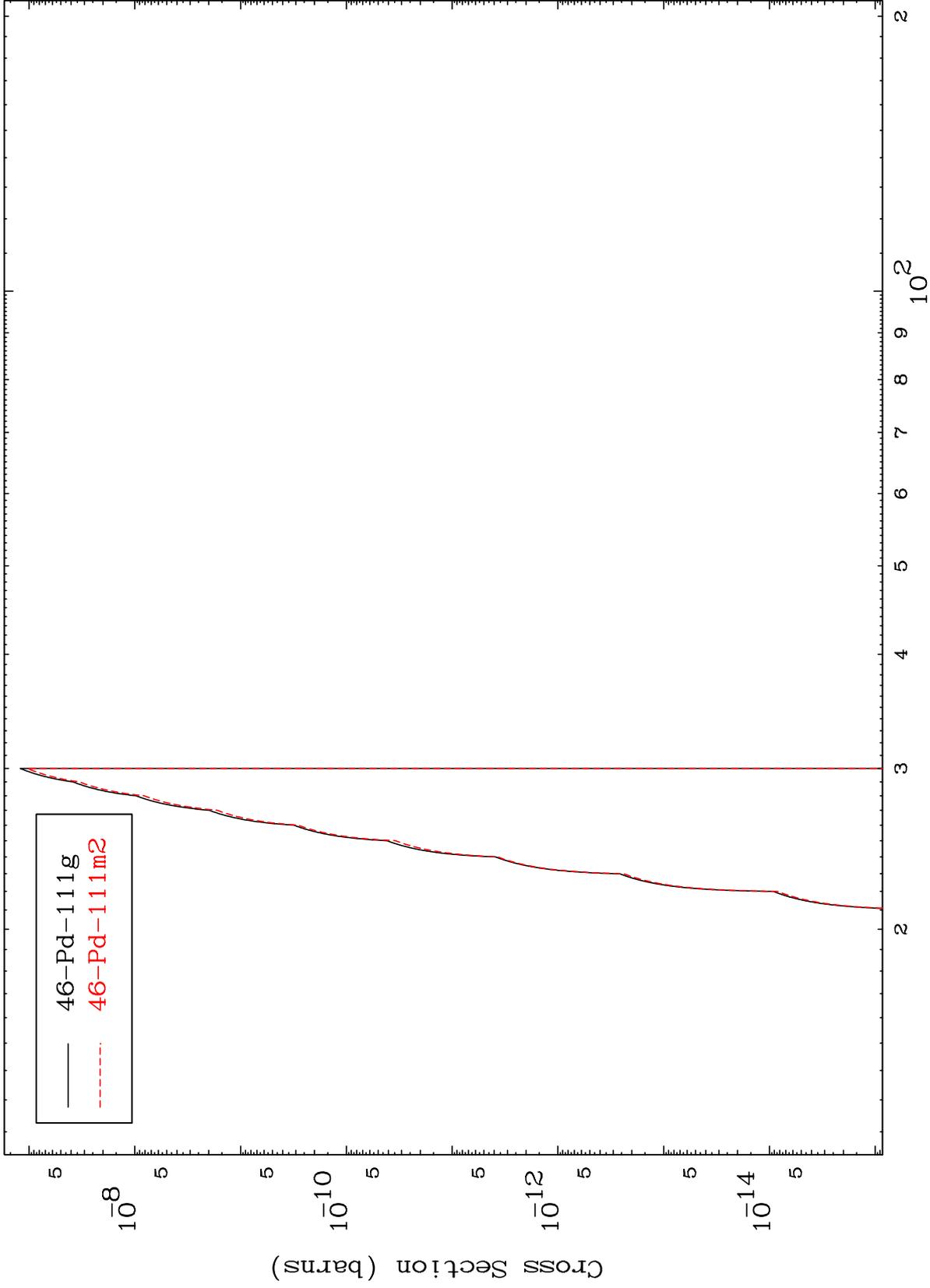
49-In-116n

MAT 4936

(n,n') p  $\alpha$

49-In-116n

Radionuclide Production Cross Section



30

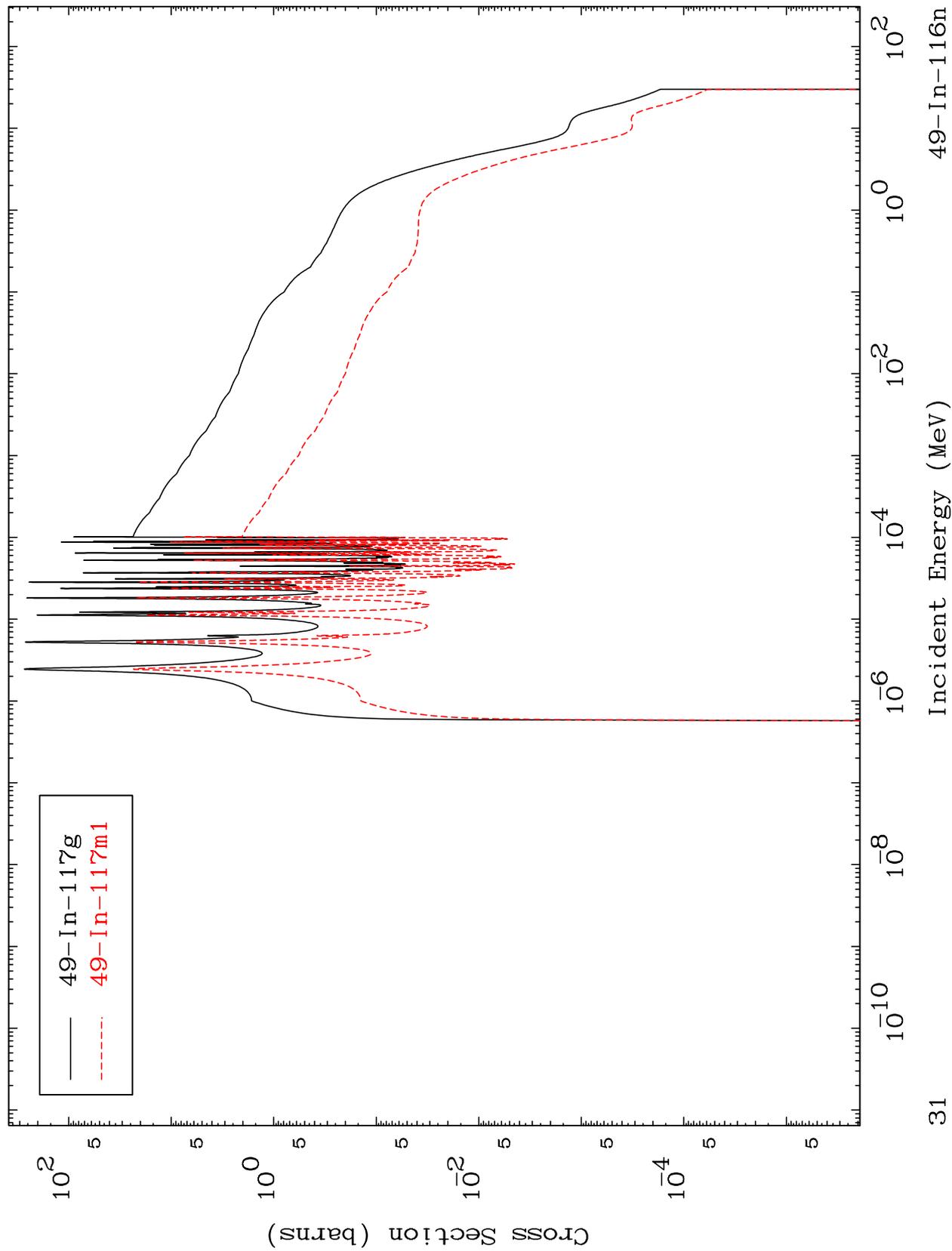
Incident Energy (MeV)

49-In-116n

MAT 4936

49-In-116n

(n,  $\gamma$ )  
Radionuclide Production Cross Section

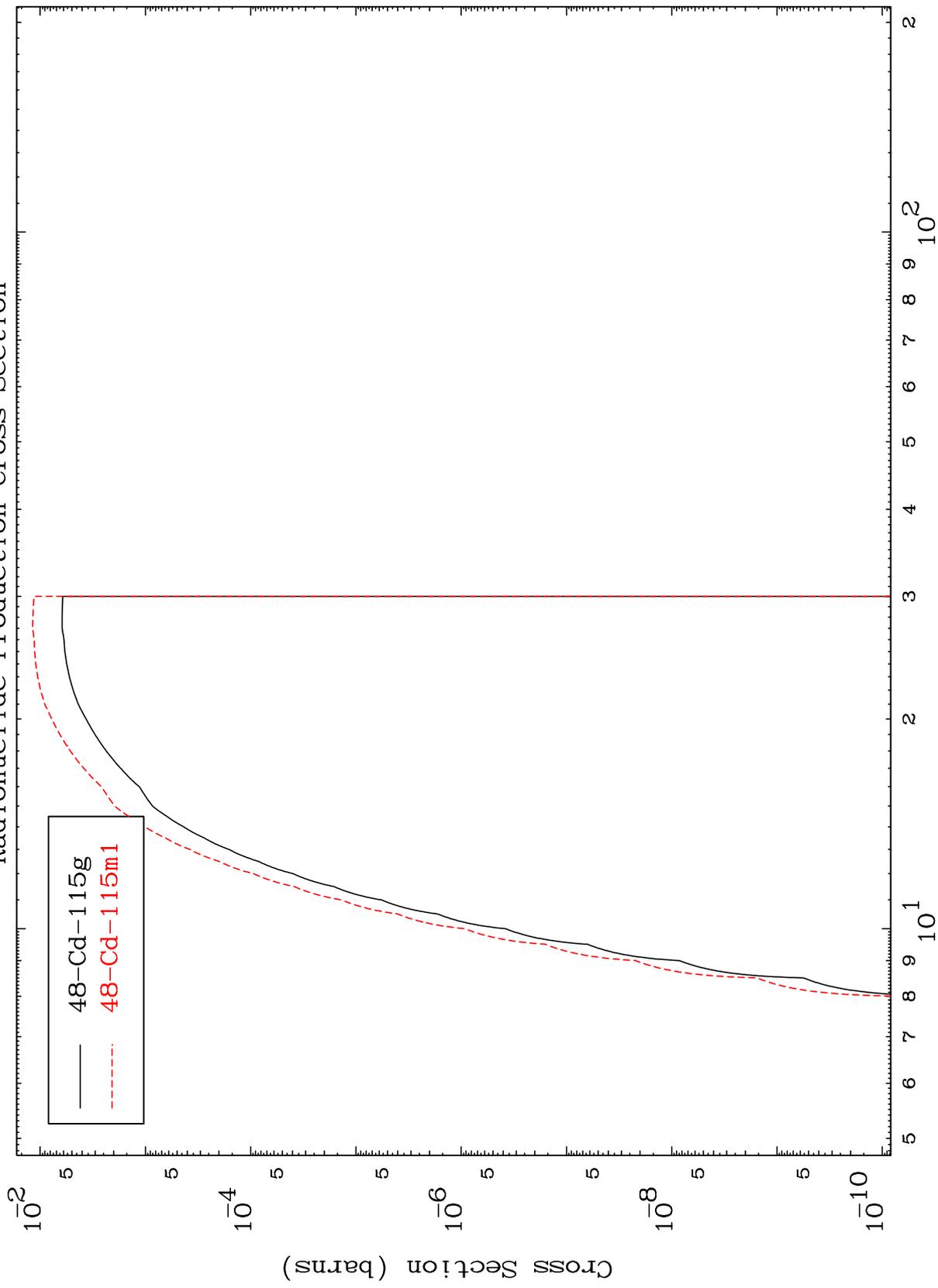


MAT 4936

(n,d)

49-In-116n

Radionuclide Production Cross Section



32

Incident Energy (MeV)

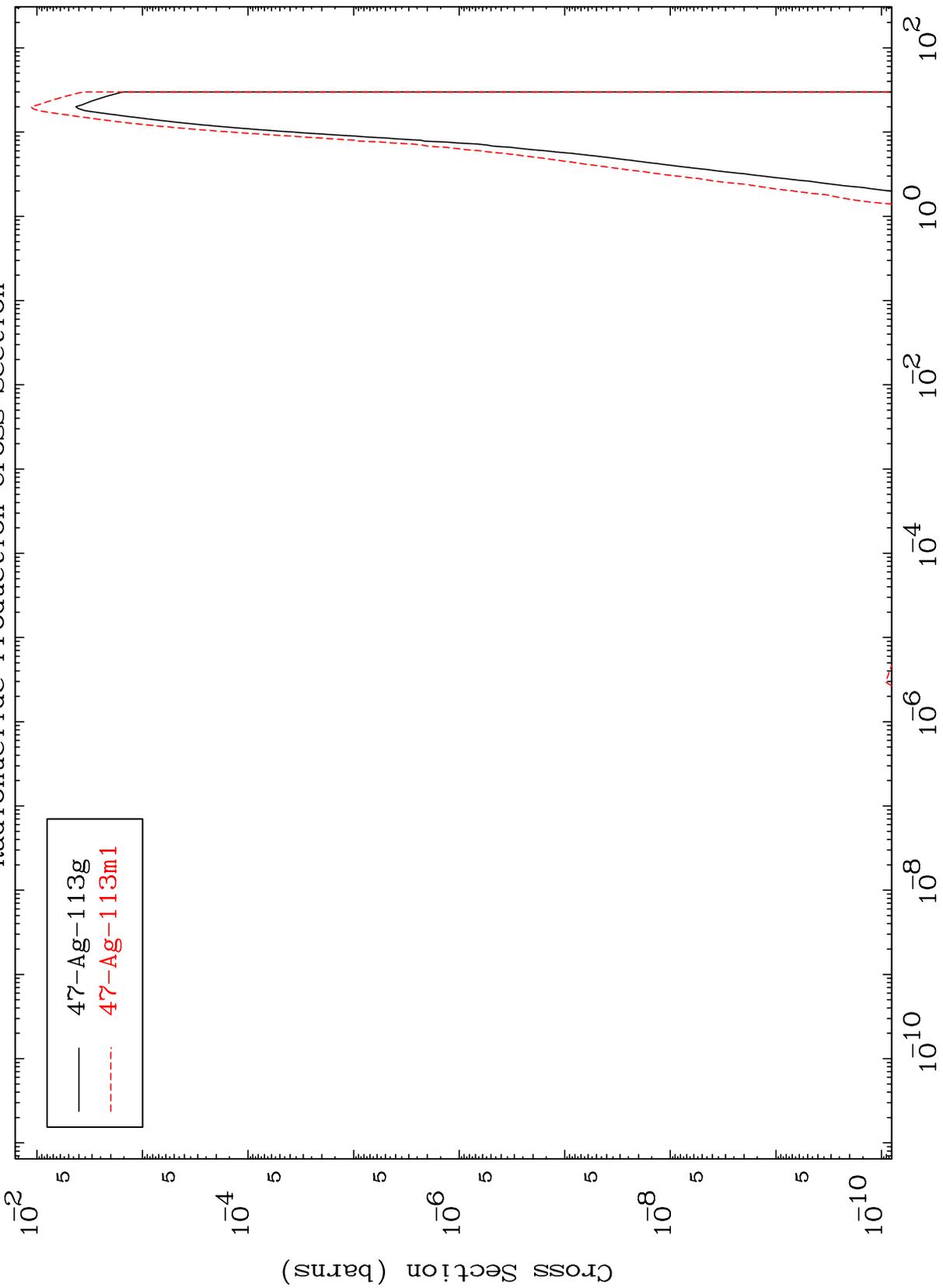
49-In-116n

MAT 4936

(n,  $\alpha$ )

49-In-116n

Radionuclide Production Cross Section



— 47-Ag-113g  
- - - 47-Ag-113m1

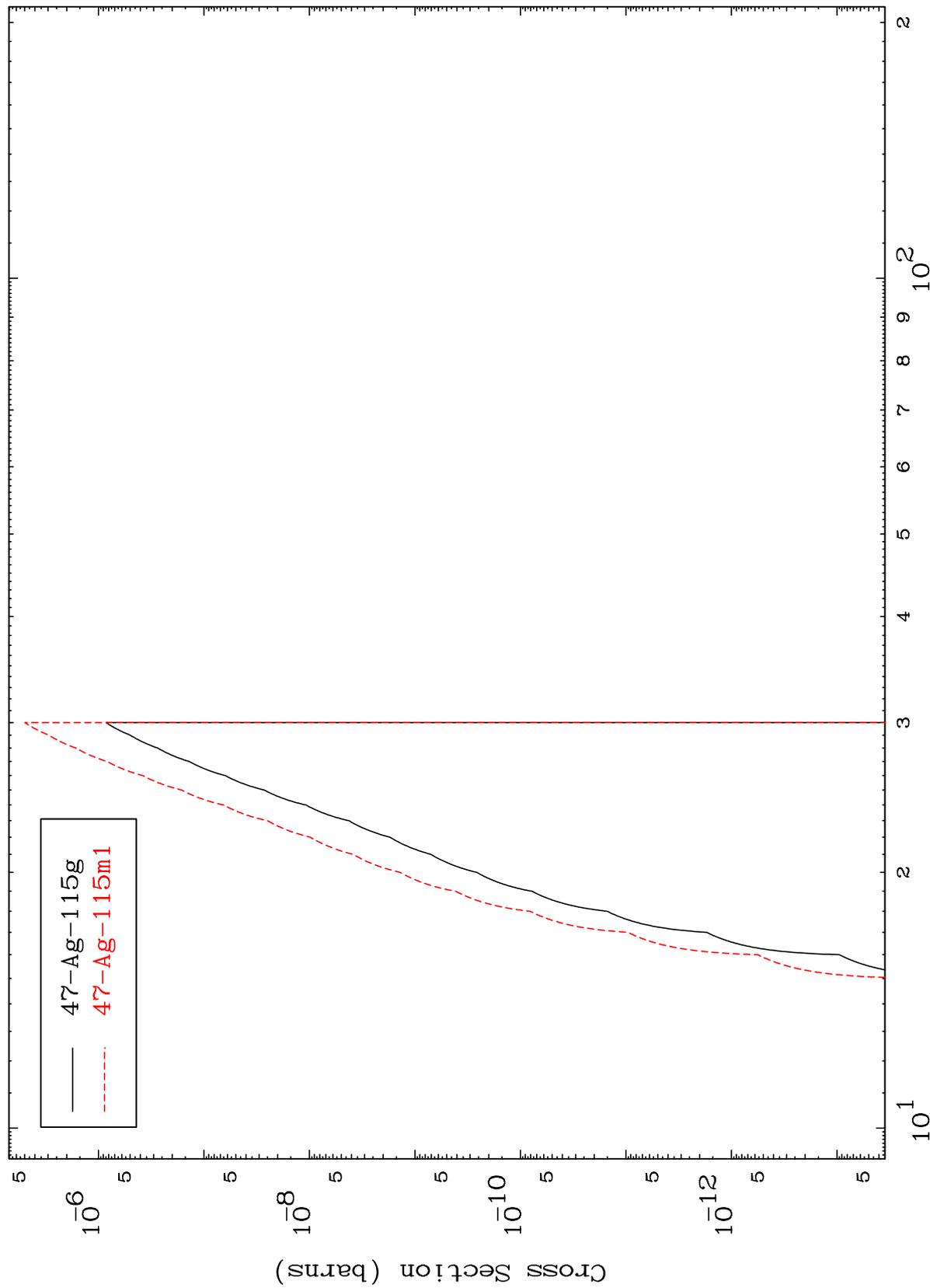
Incident Energy (MeV)

49-In-116n

MAT 4936

49-In-116n

(n,2p)  
Radionuclide Production Cross Section



49-In-116n

Incident Energy (MeV)

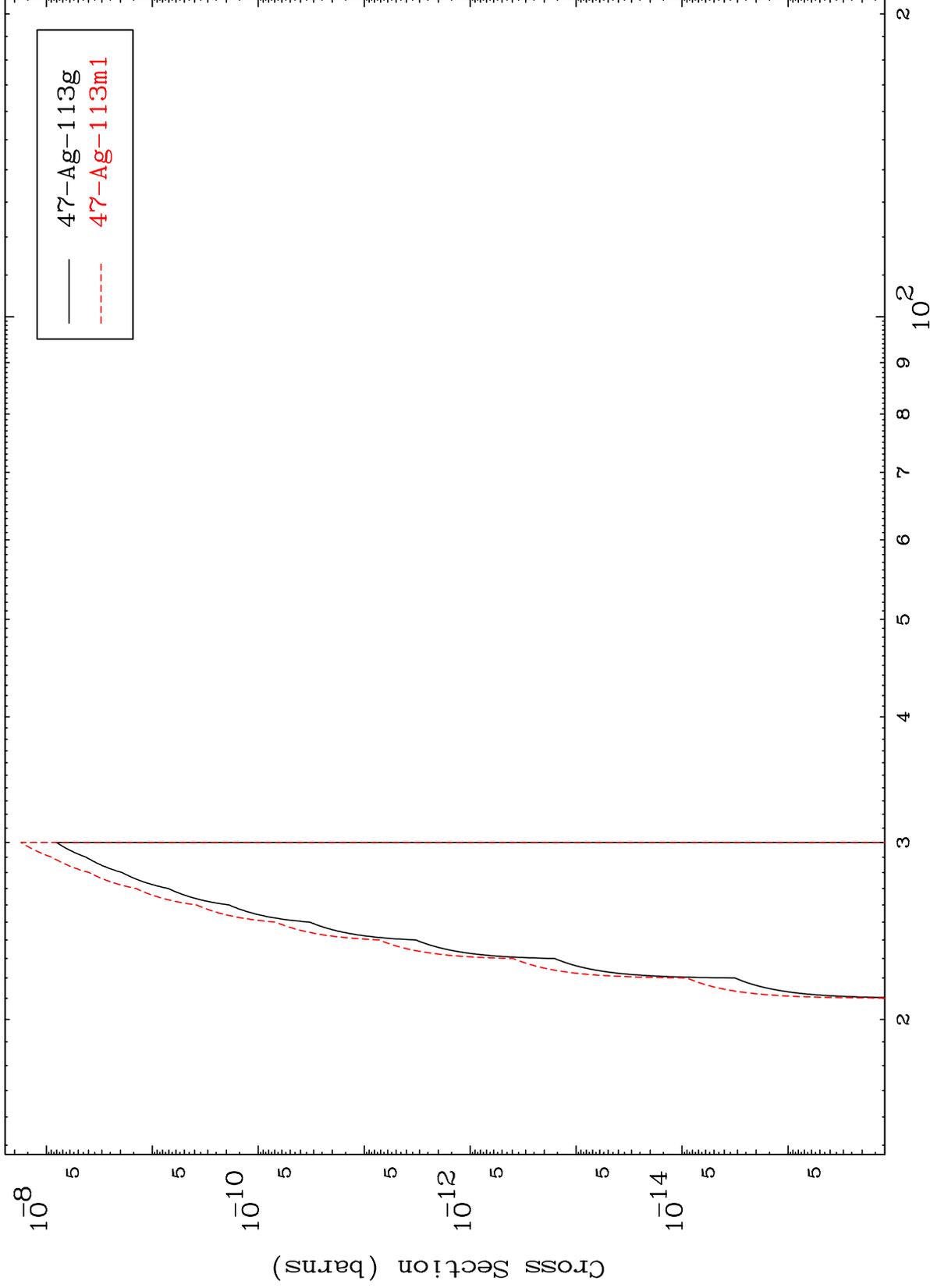
34

MAT 4936

(n,p) t

49-In-116n

Radionuclide Production Cross Section



35

Incident Energy (MeV)

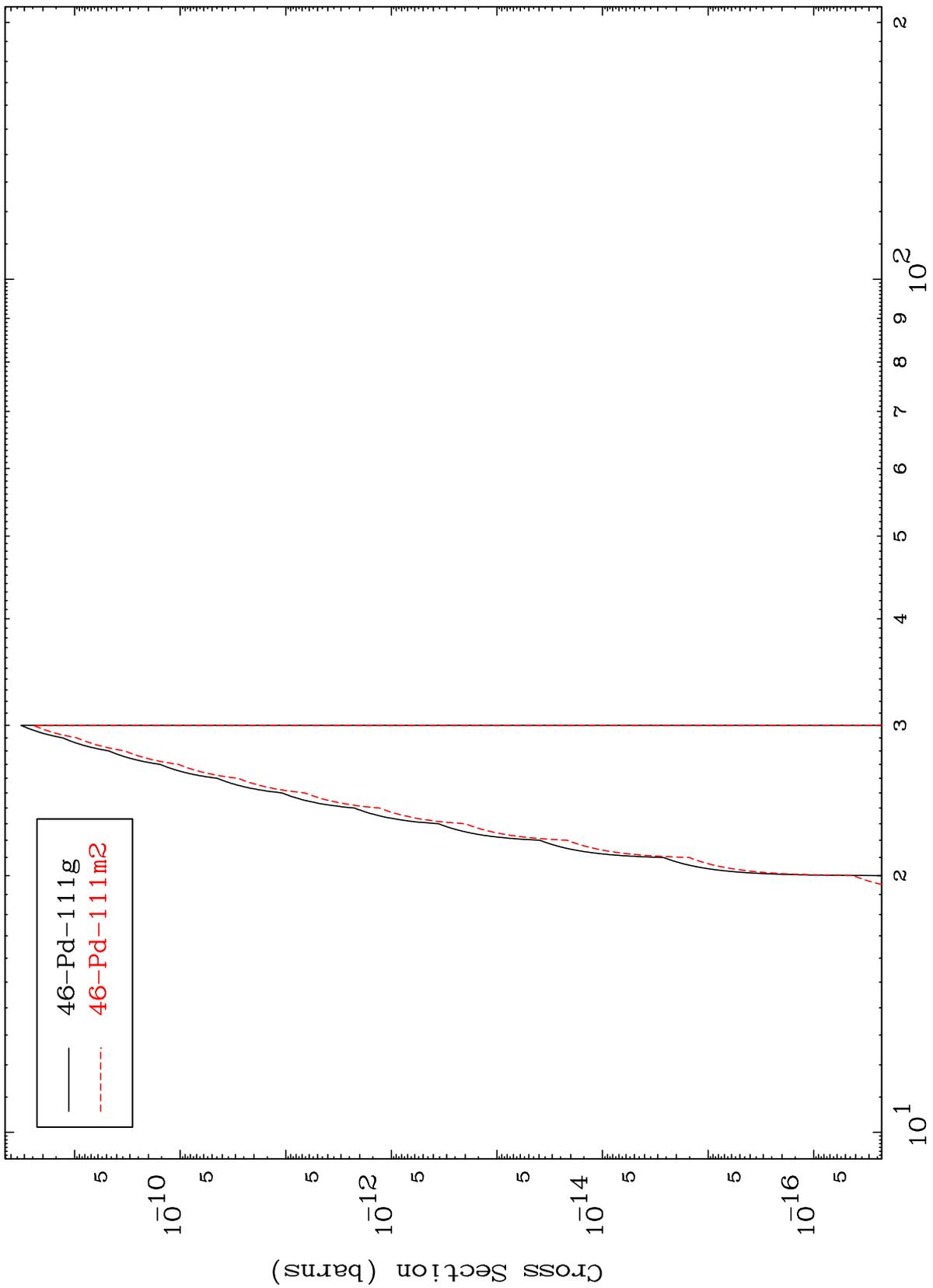
49-In-116n

MAT 4936

(n,d)  $\alpha$

$^{49}\text{In}-^{116}\text{n}$

Radionuclide Production Cross Section



46-Pd-111g  
46-Pd-111m2

36

Incident Energy (MeV)

$^{49}\text{In}-^{116}\text{n}$