

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

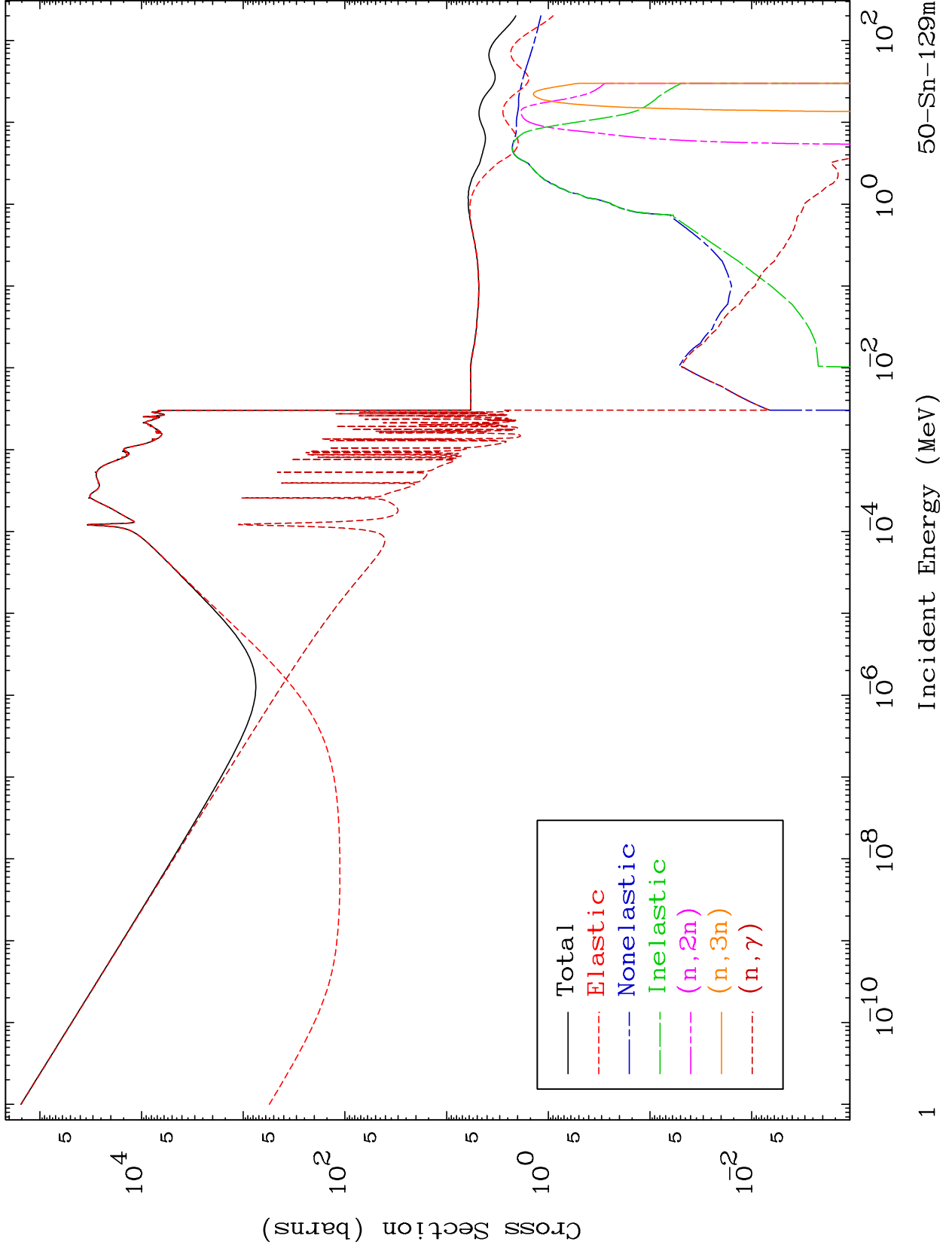
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 50777

Neutron Major
293 Kelvin Cross Sections

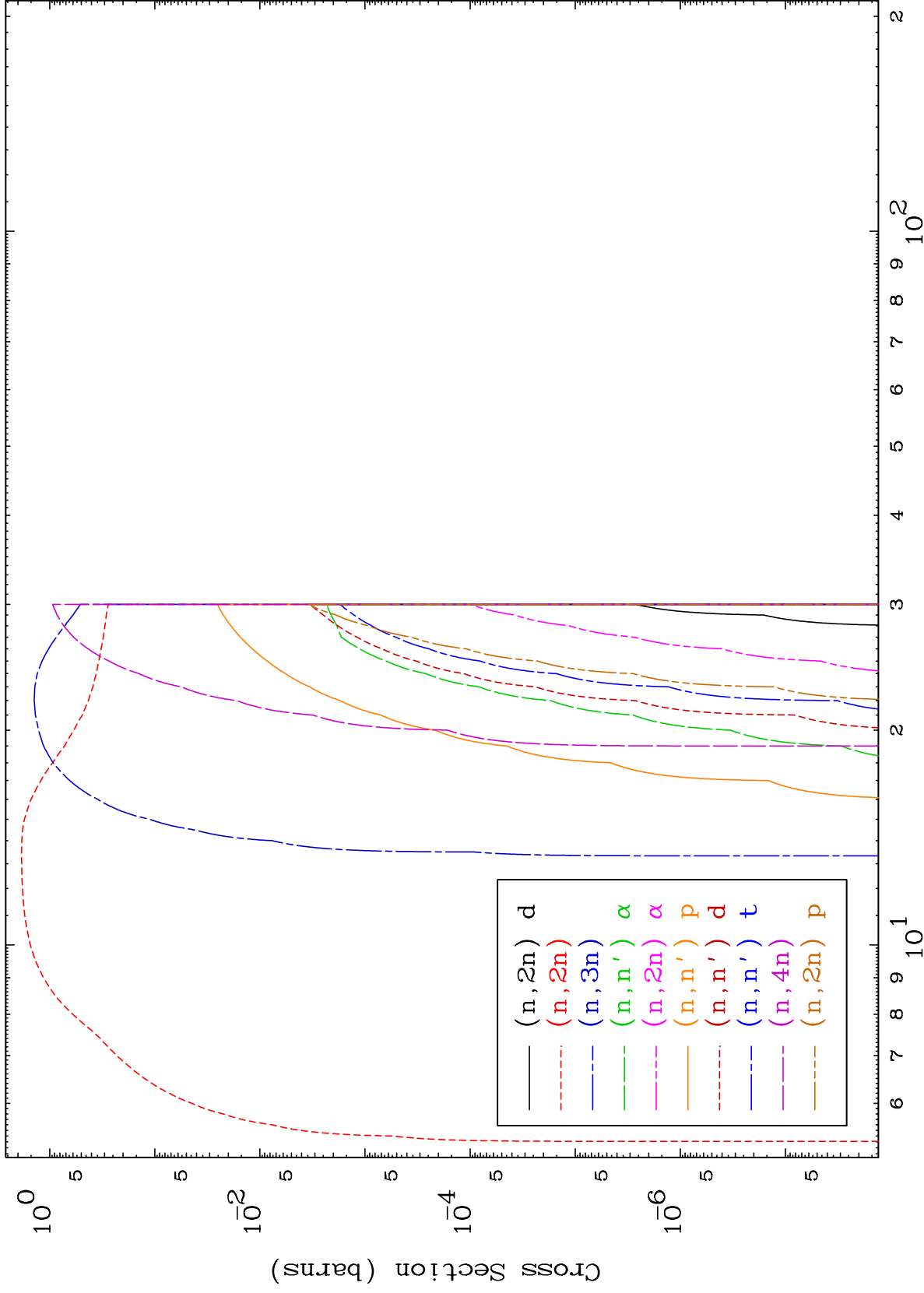
50-Sn-129m



MAT 50777

Neutron Absorption
293 Kelvin Cross Sections

50-Sn-129m



2

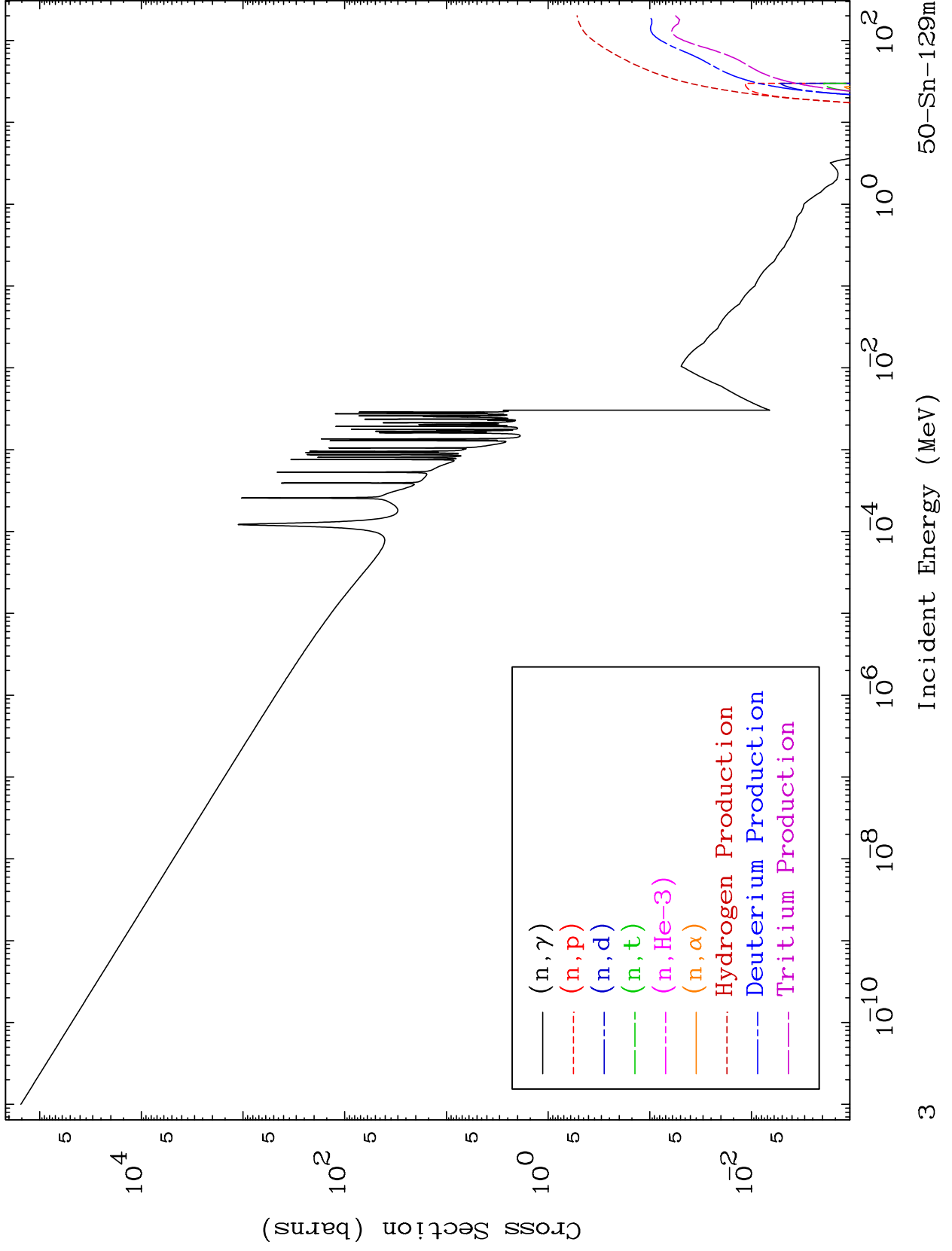
Incident Energy (MeV)

50-Sn-129m

MAT 50777

Neutron Absorption
293 Kelvin Cross Sections

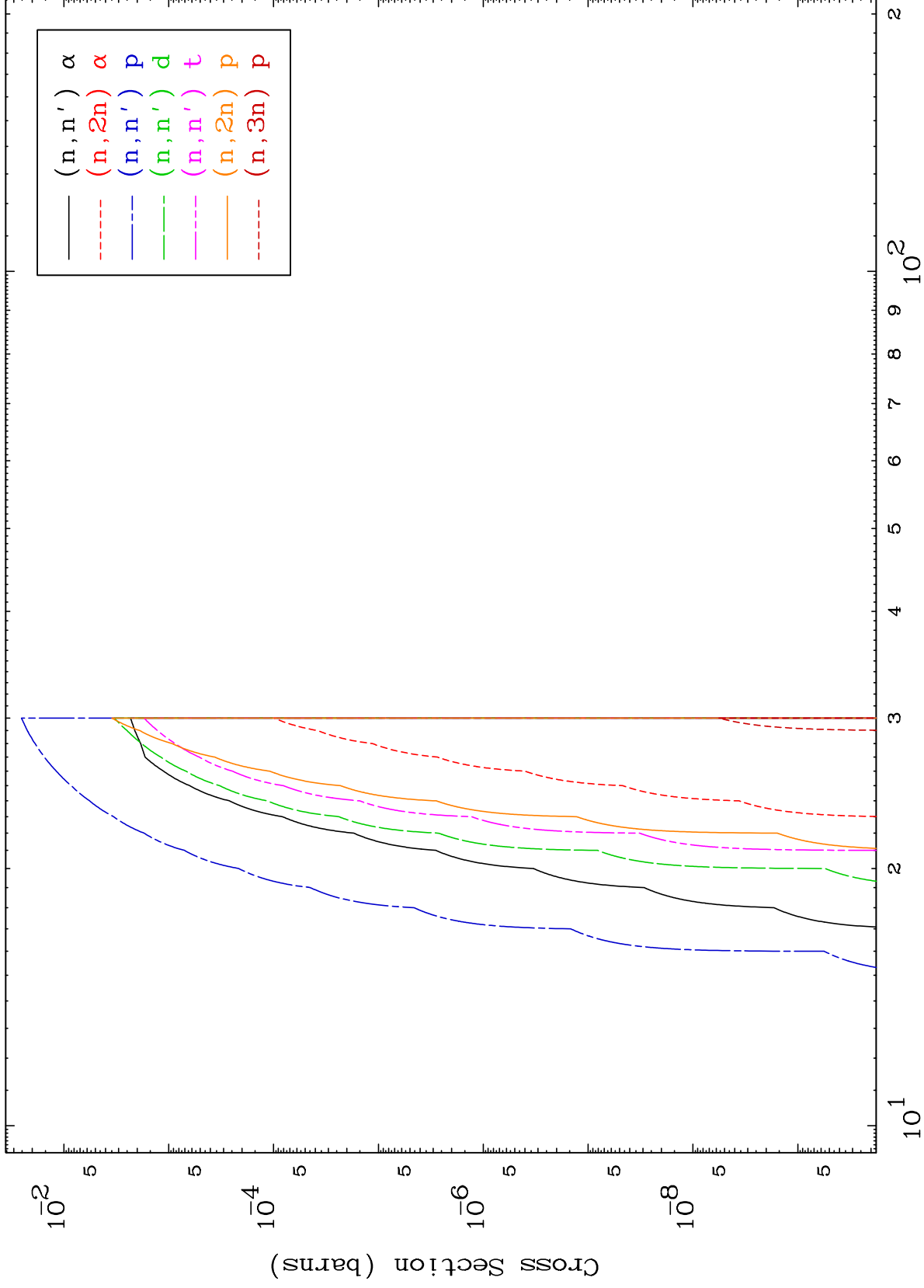
50-Sn-129m



MAT 5077

Charged Particle
293 Kelvin Cross Sections

50-Sn-129m



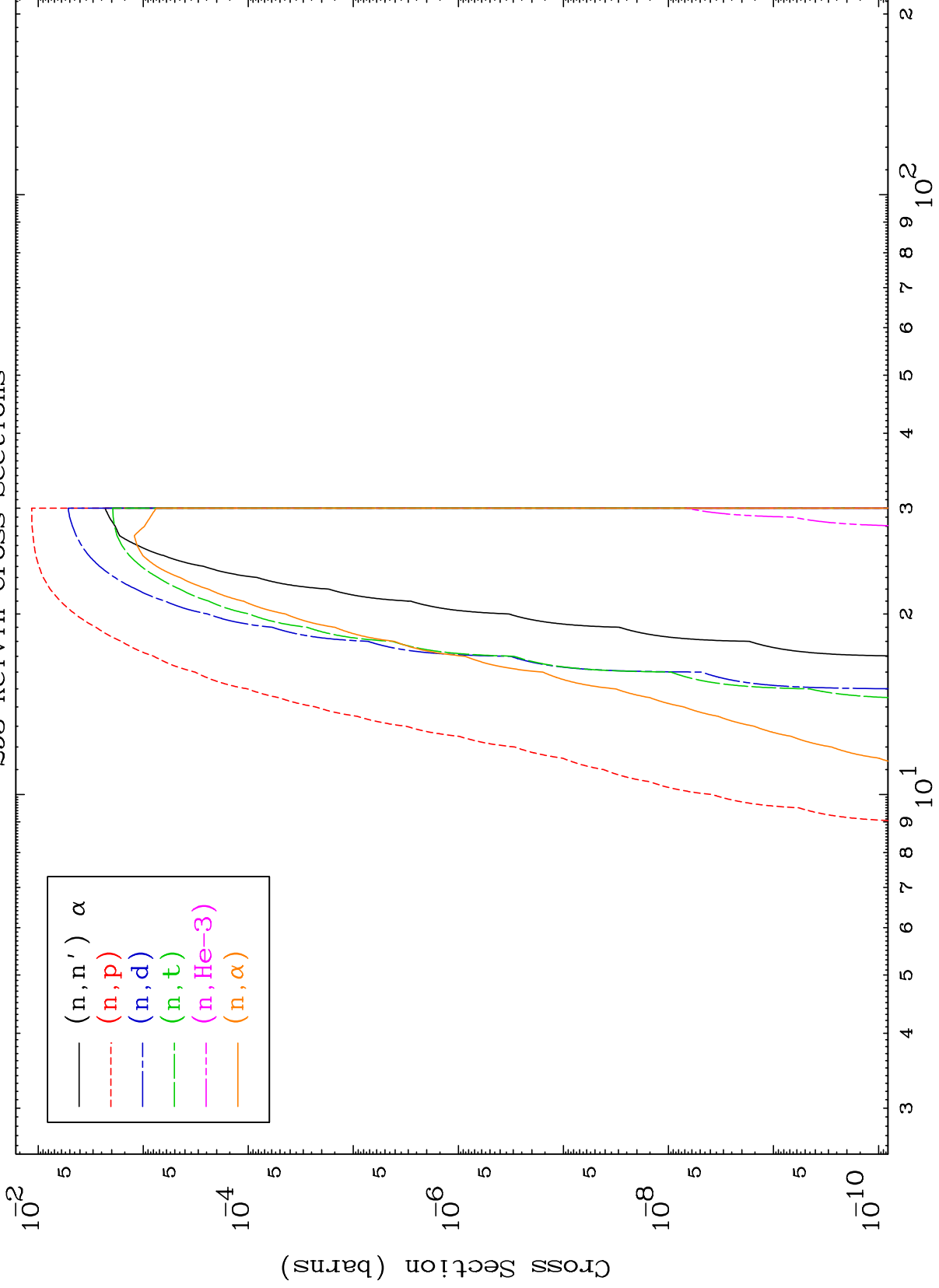
Incident Energy (MeV)

50-Sn-129m

MAT 50777

Charged Particle
293 Kelvin Cross Sections

50-Sn-129m



5

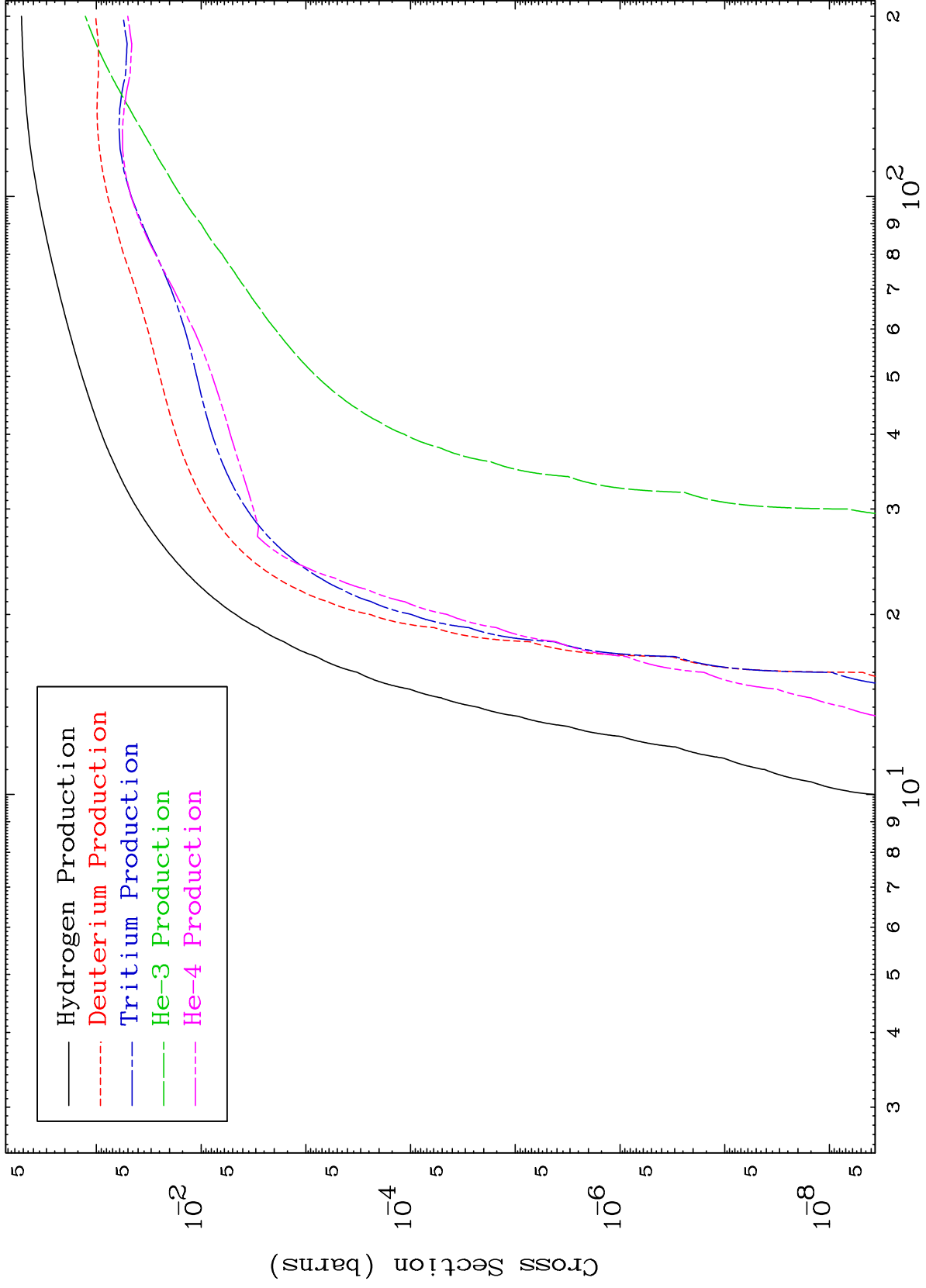
Incident Energy (MeV)

50-Sn-129m

MAT 5077

Particle Production
293 Kelvin Cross Sections

50-Sn-129m



6

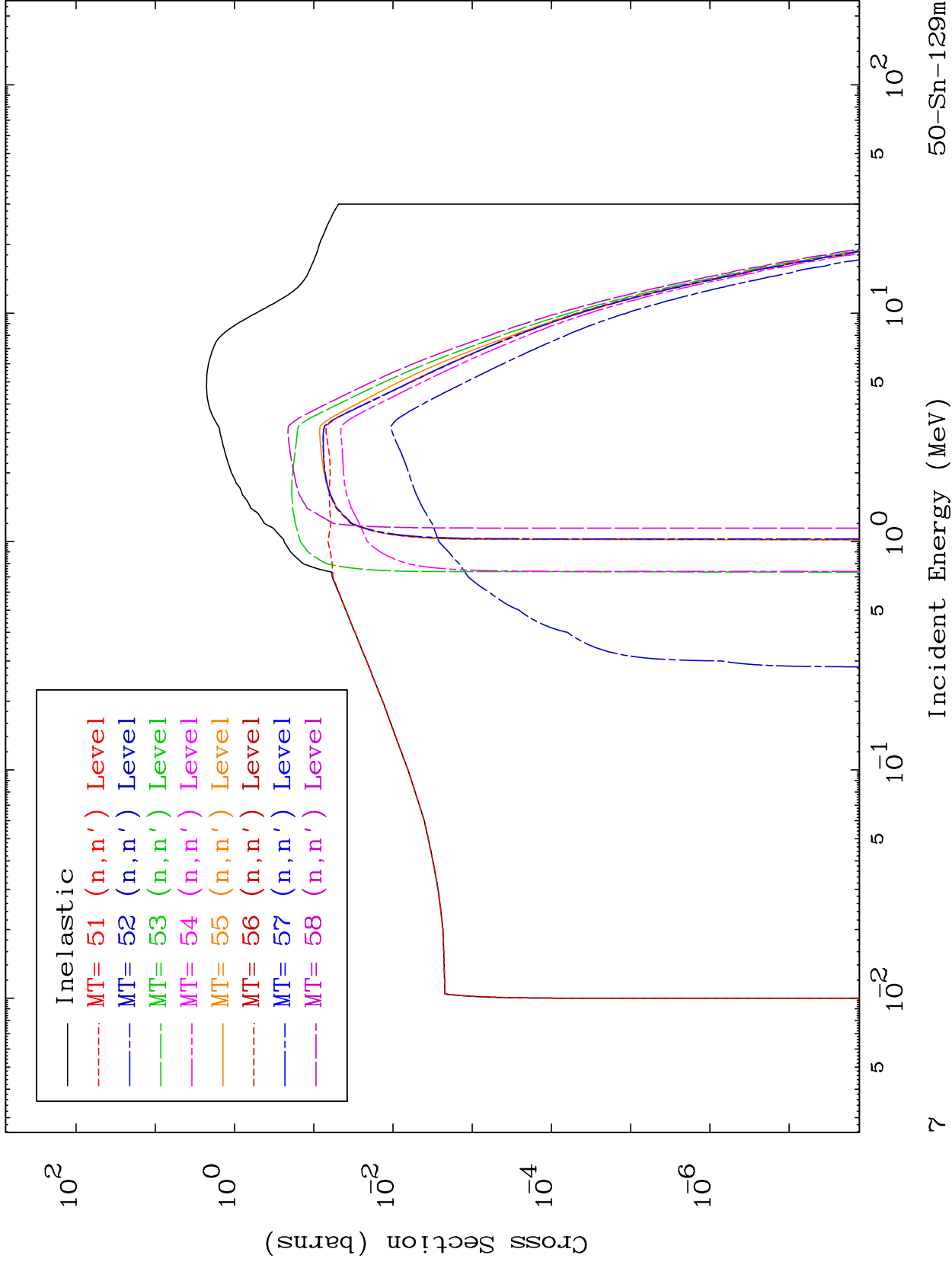
Incident Energy (MeV)

50-Sn-129m

MAT 50777

(n,n') Levels
293 Kelvin Cross Sections

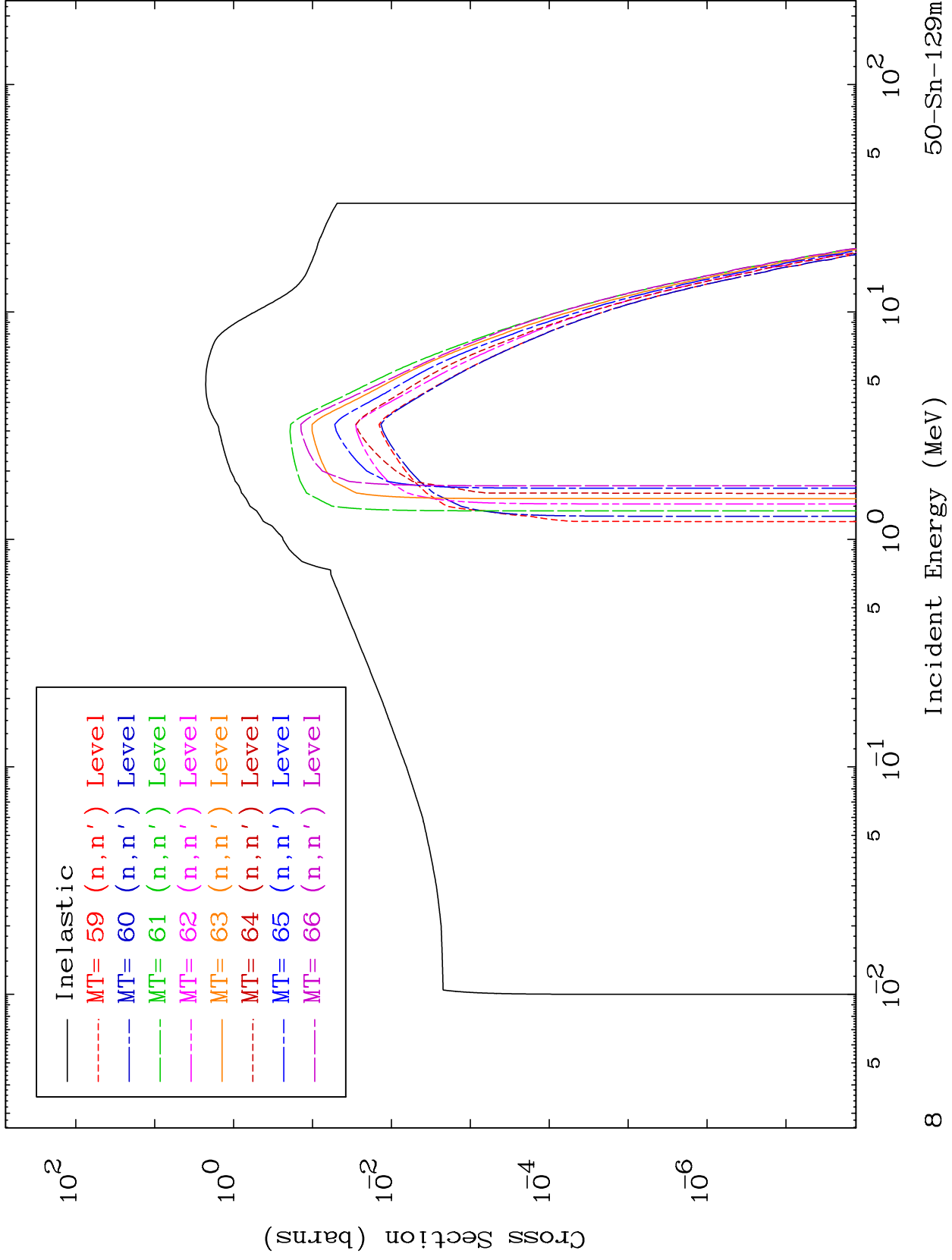
50-Sn-129m



MAT 50777

293 (n,n') Levels
Kelvin Cross Sections

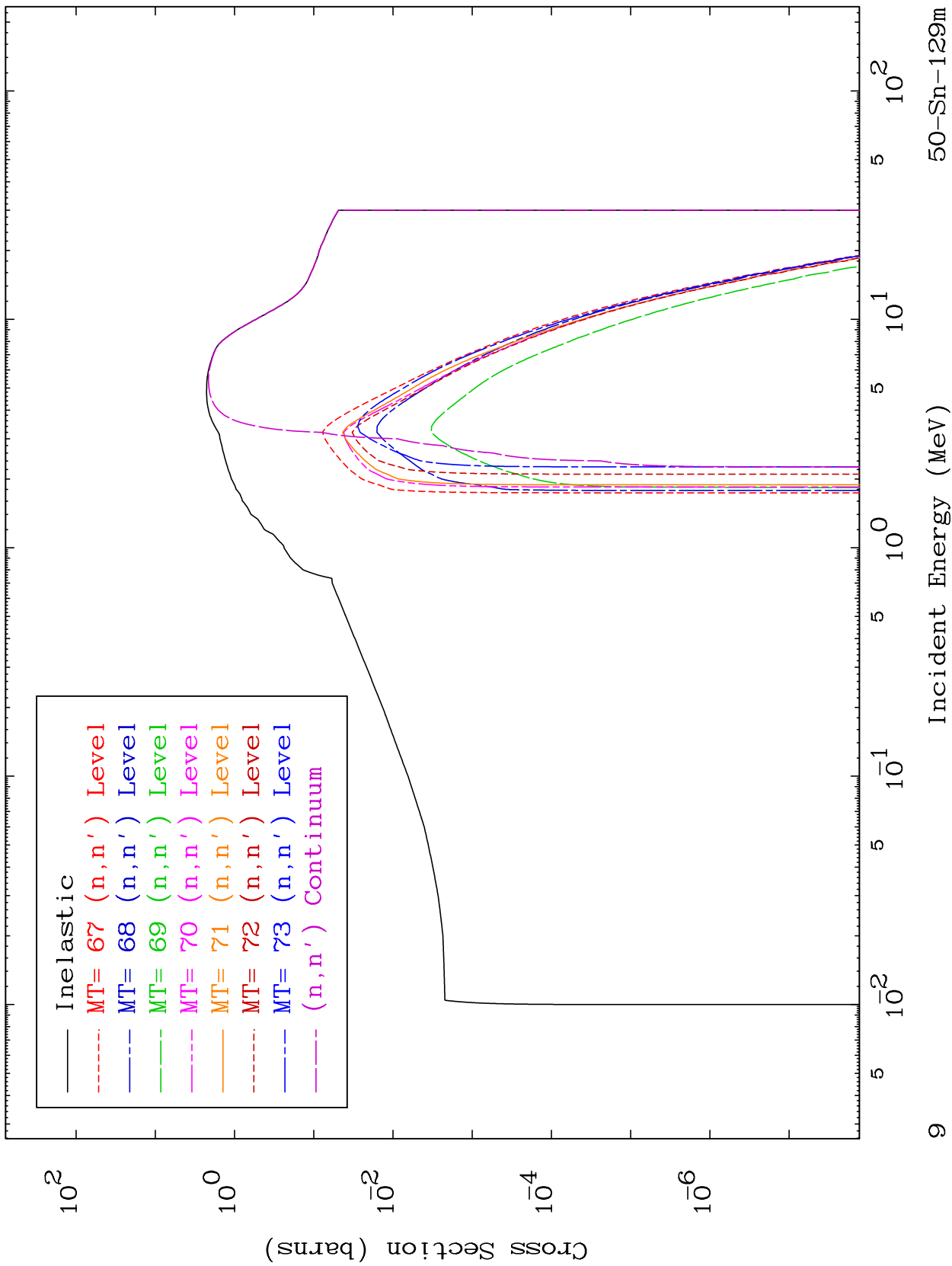
50-Sn-129m



MAT 50777

293 Kelvin Cross Sections
(n,n') Levels

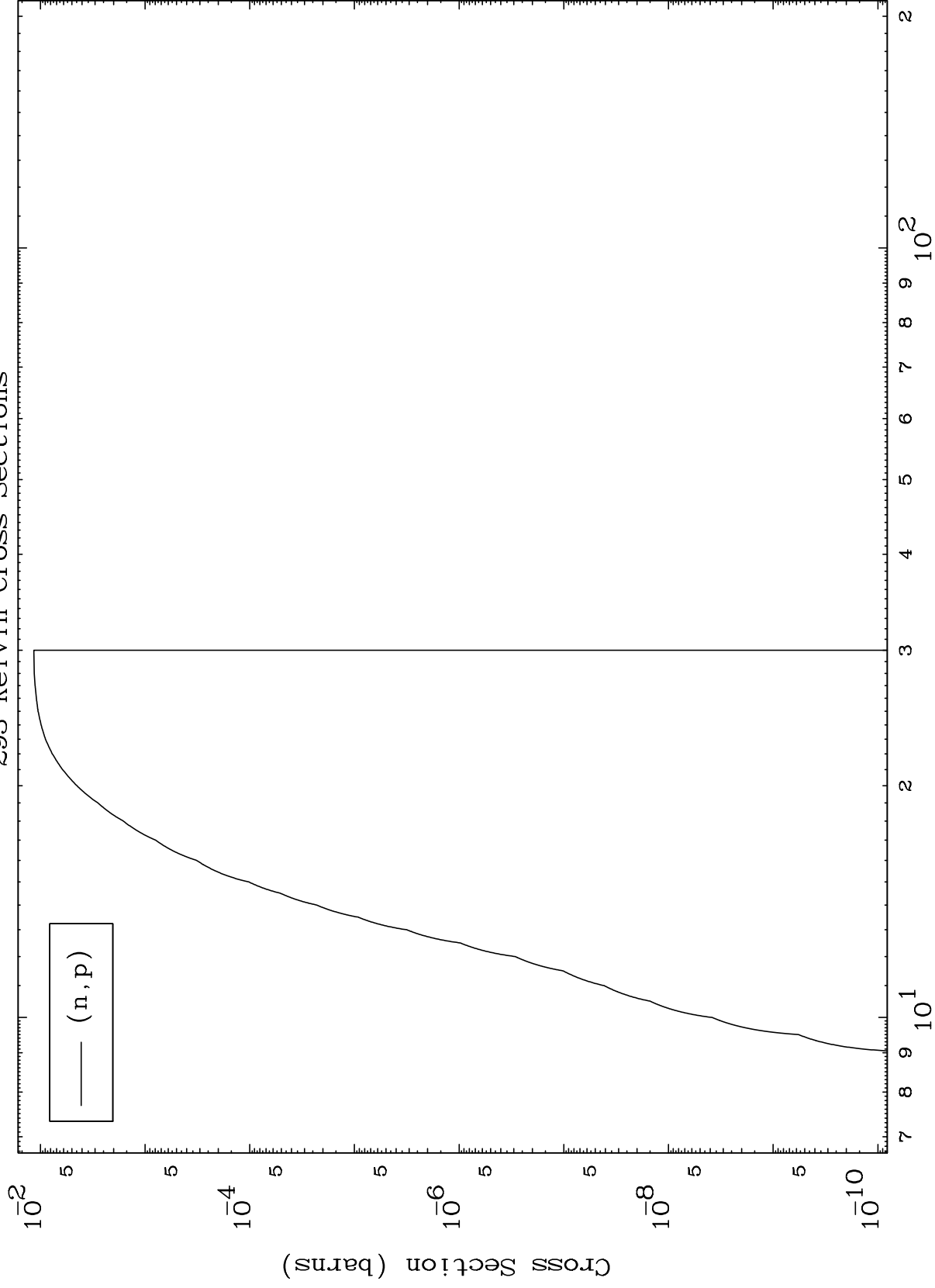
50-Sn-129m



MAT 50777

(n,p) Levels
293 Kelvin Cross Sections

50-Sn-129m



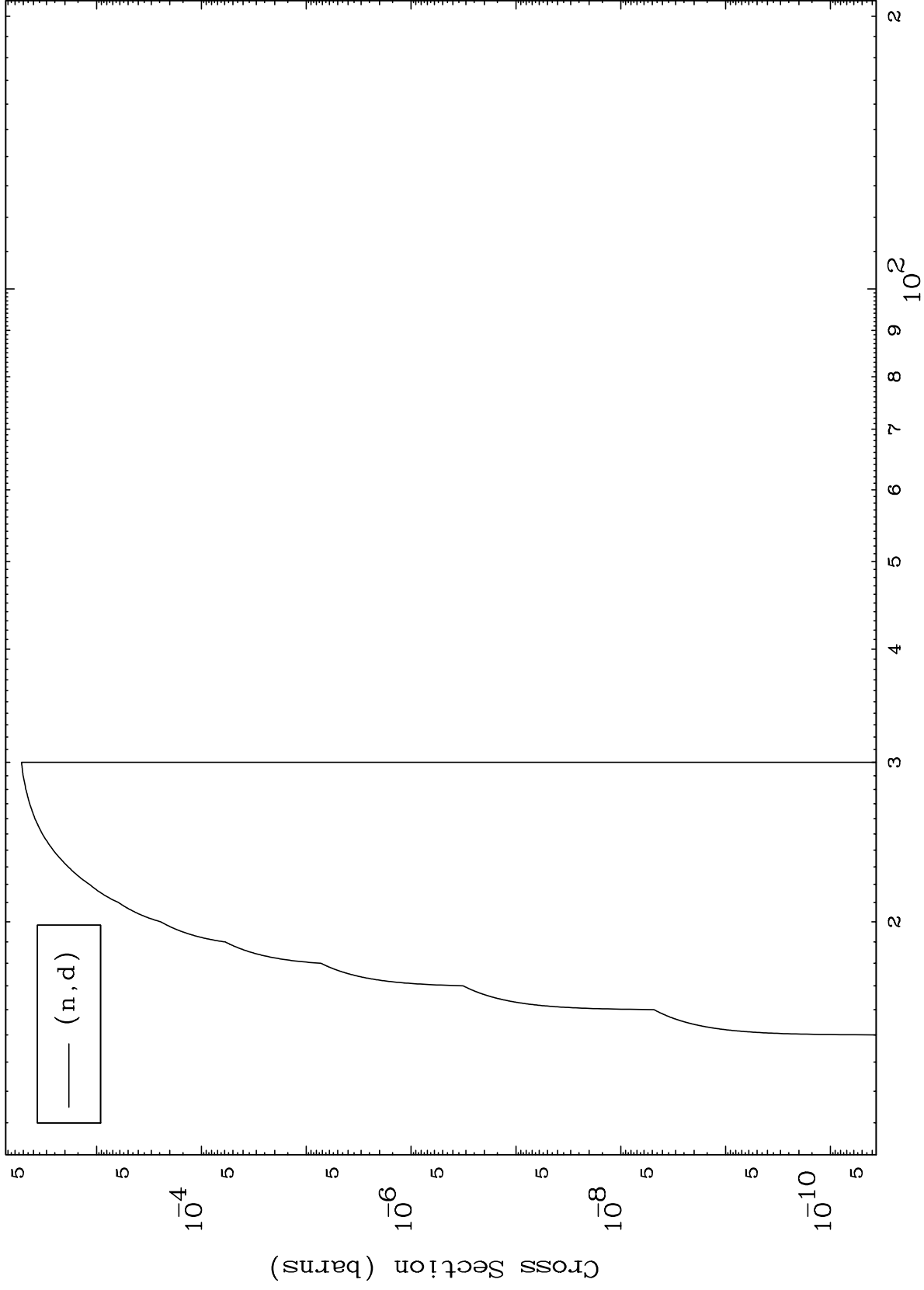
Incident Energy (MeV)

50-Sn-129m

MAT 5077

(n,d) Levels
293 Kelvin Cross Sections

50-Sn-129m



11

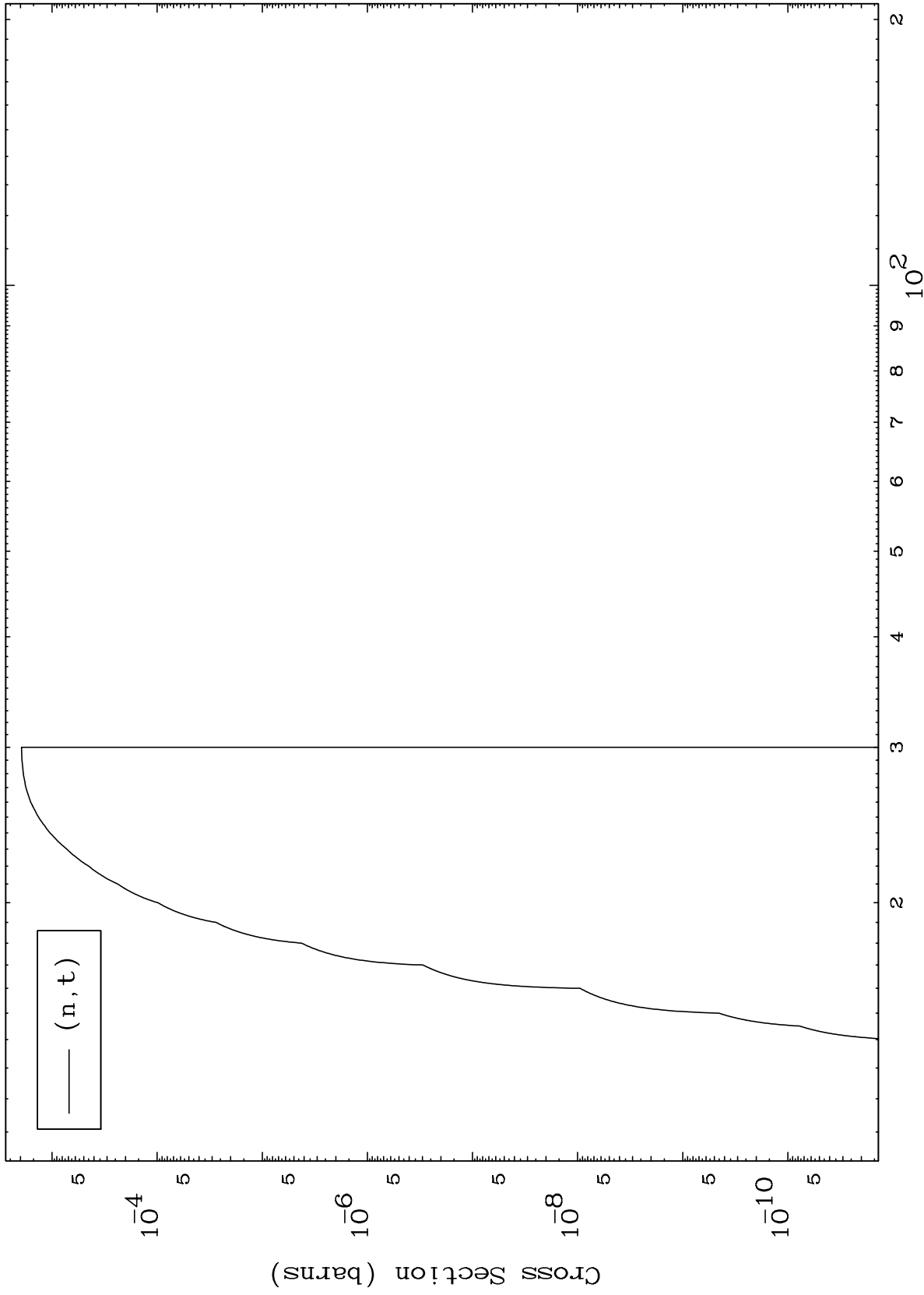
Incident Energy (MeV)

50-Sn-129m

MAT 50777

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-129m



12

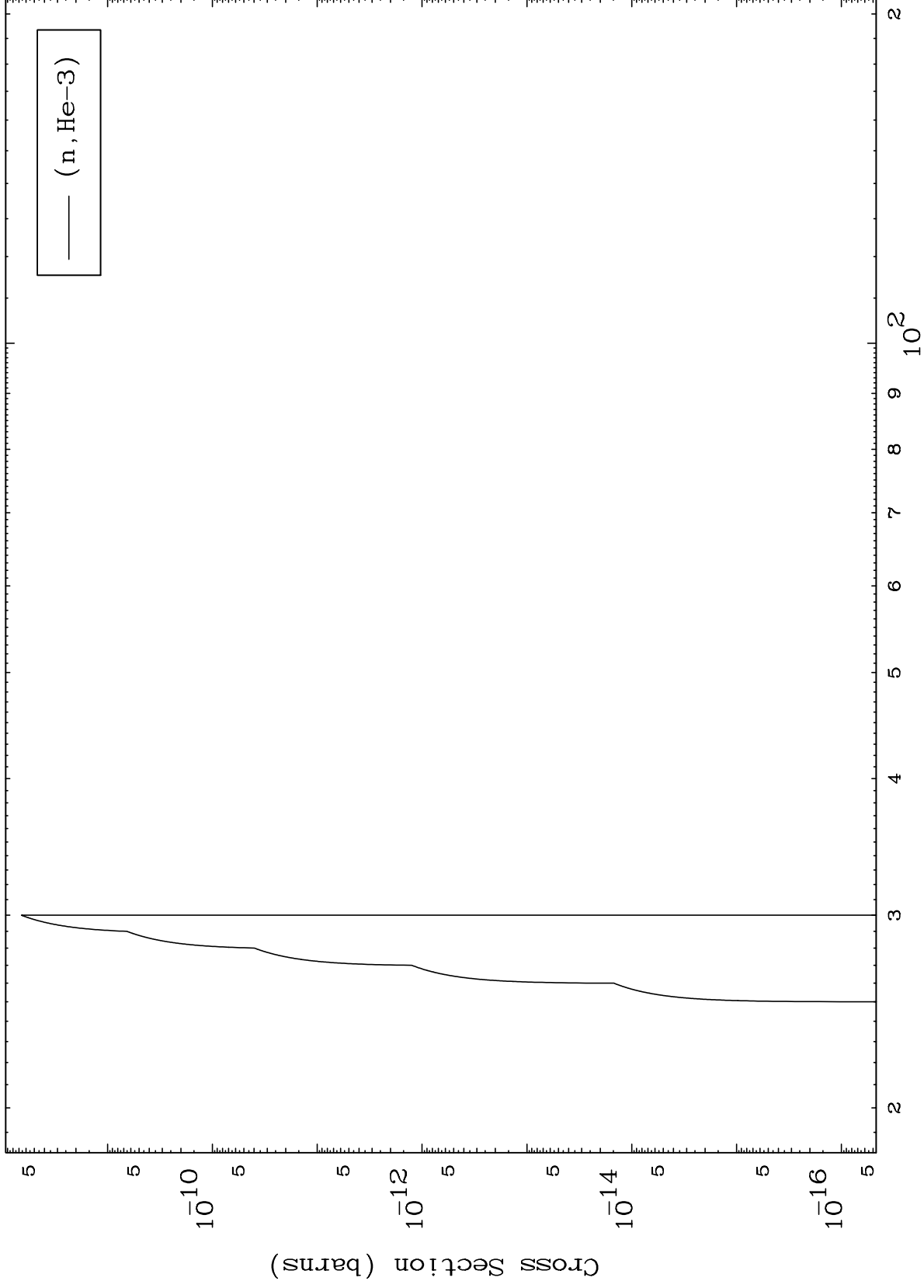
Incident Energy (MeV)

50-Sn-129m

MAT 5077

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-129m



13

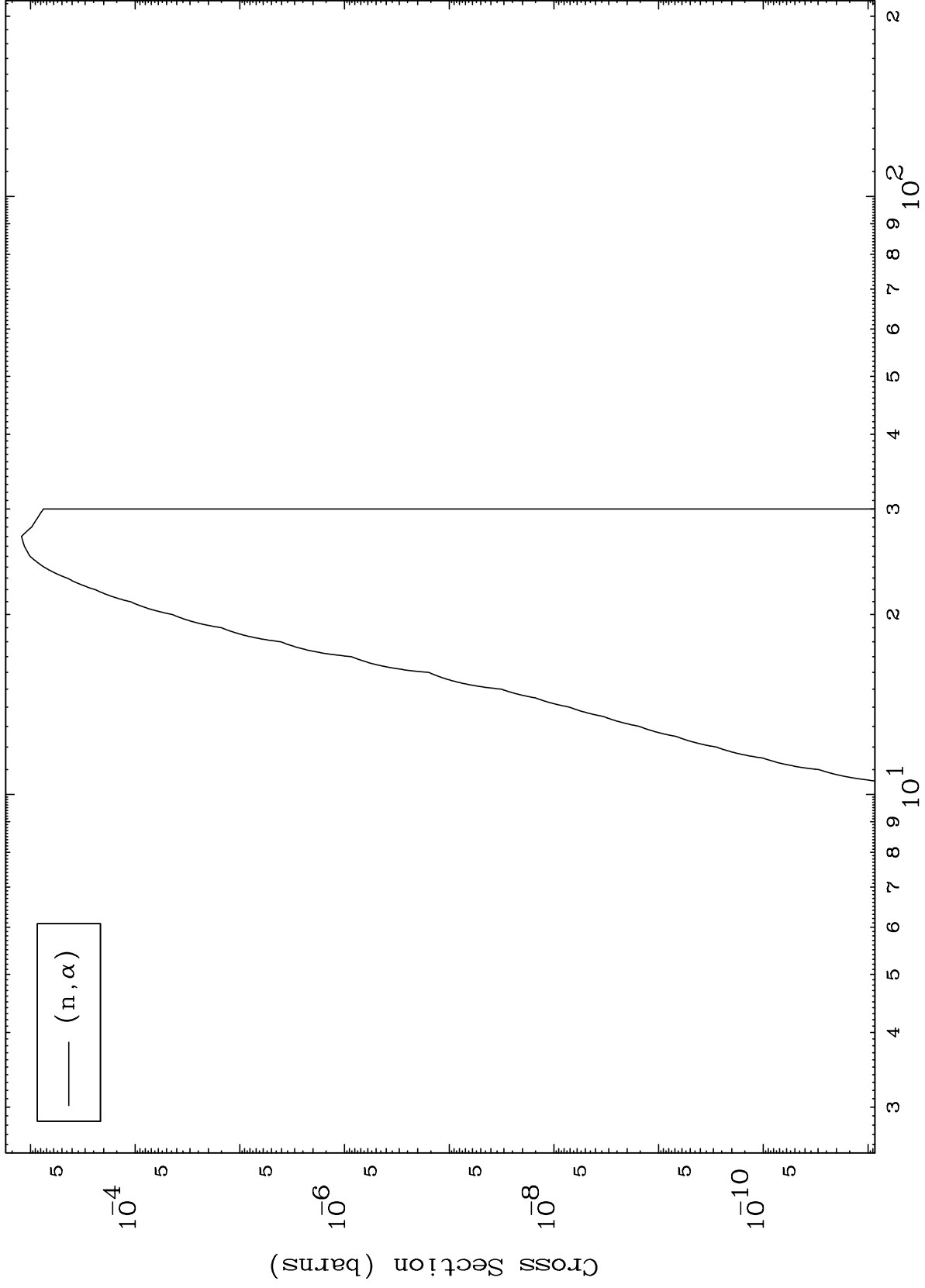
Incident Energy (MeV)

50-Sn-129m

MAT 5077

(n, α) Levels
293 Kelvin Cross Sections

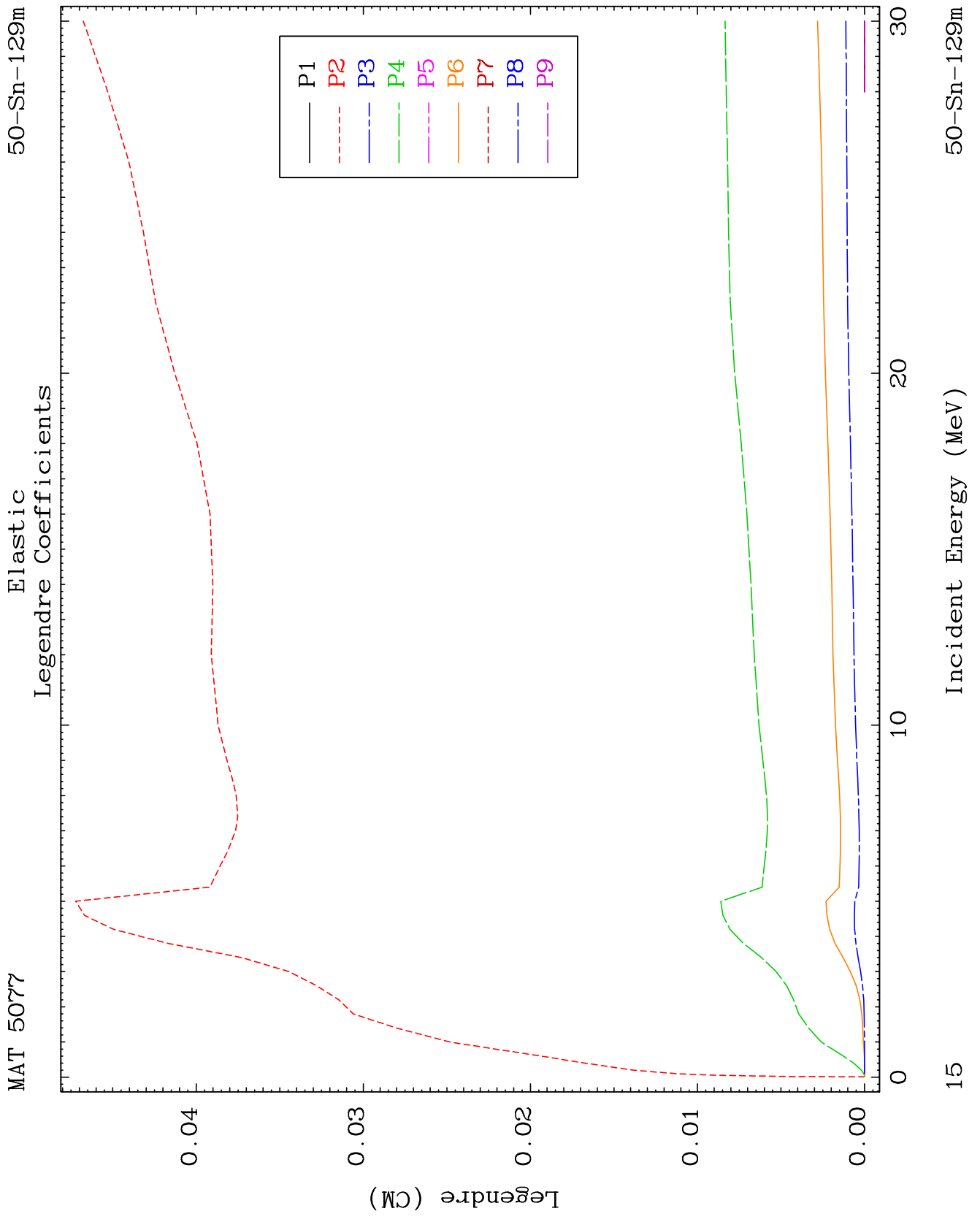
50-Sn-129m

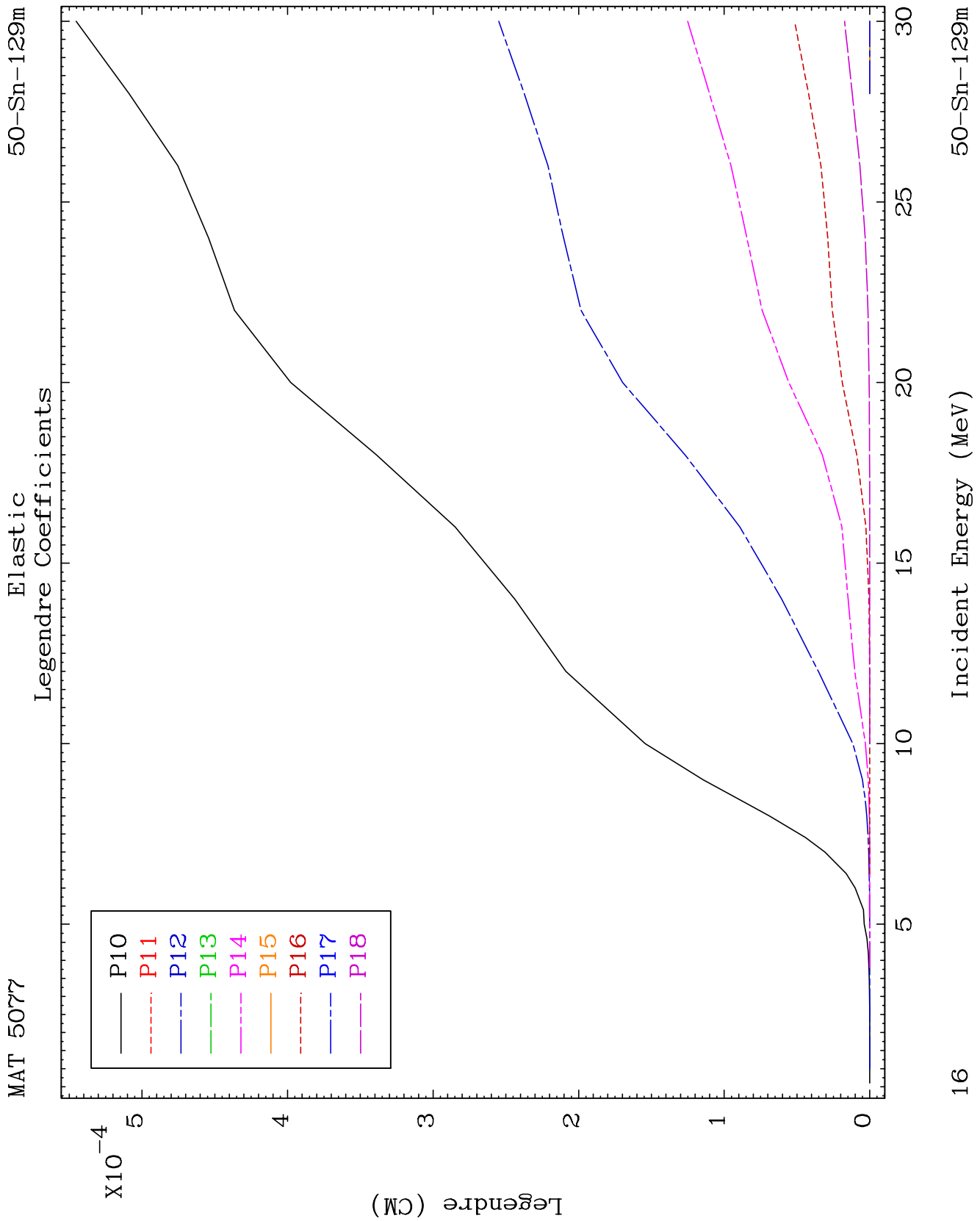


14

Incident Energy (MeV)

50-Sn-129m

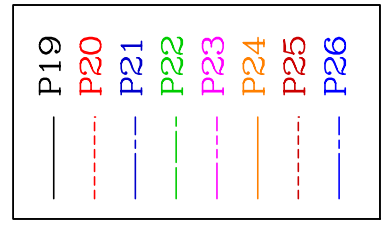




MAT 5077

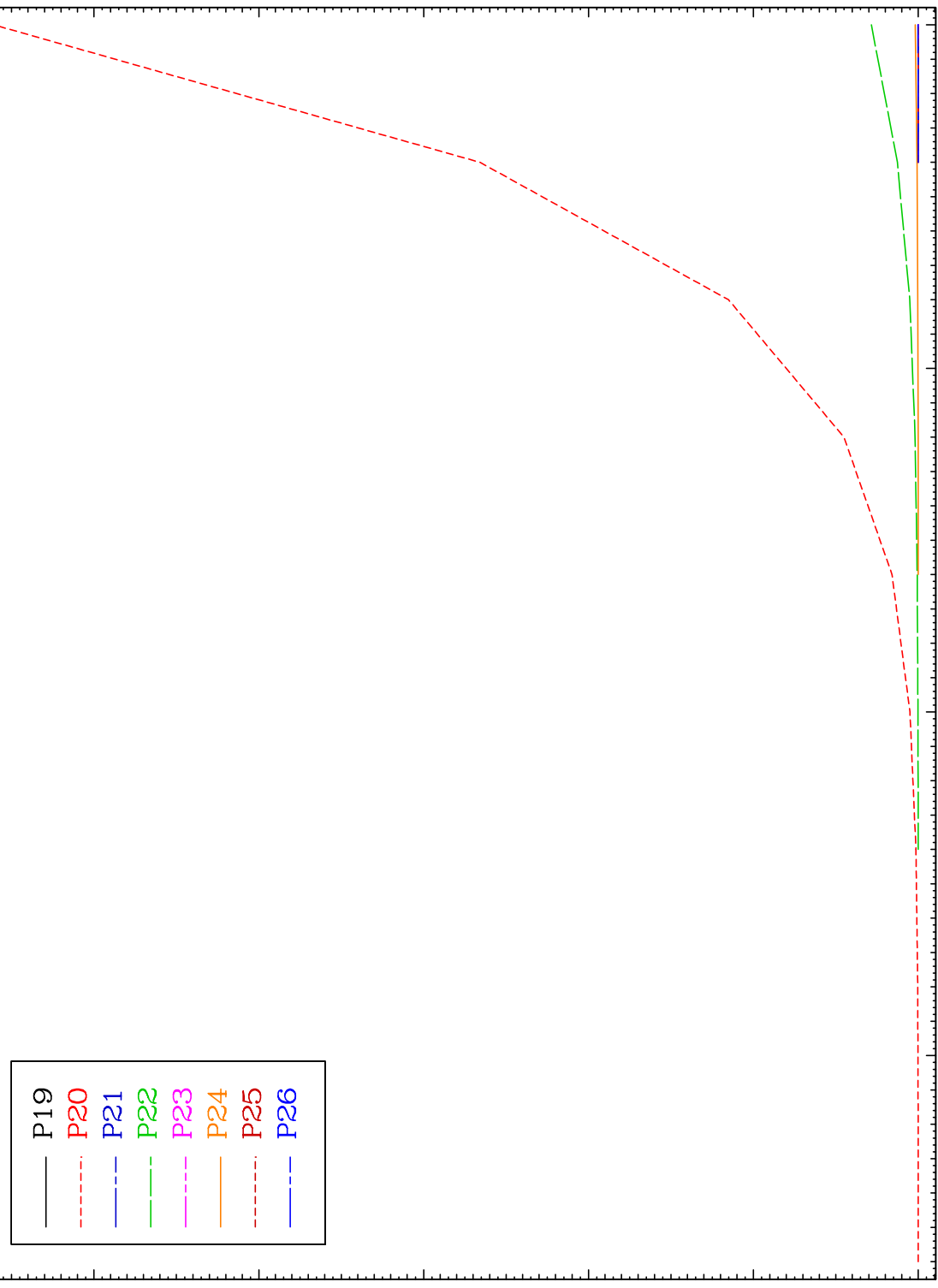
Elastic Legendre Coefficients

50-Sn-129m



$\times 10^{-6}$

Legendre (CM)



15 20 25 30

Incident Energy (MeV)

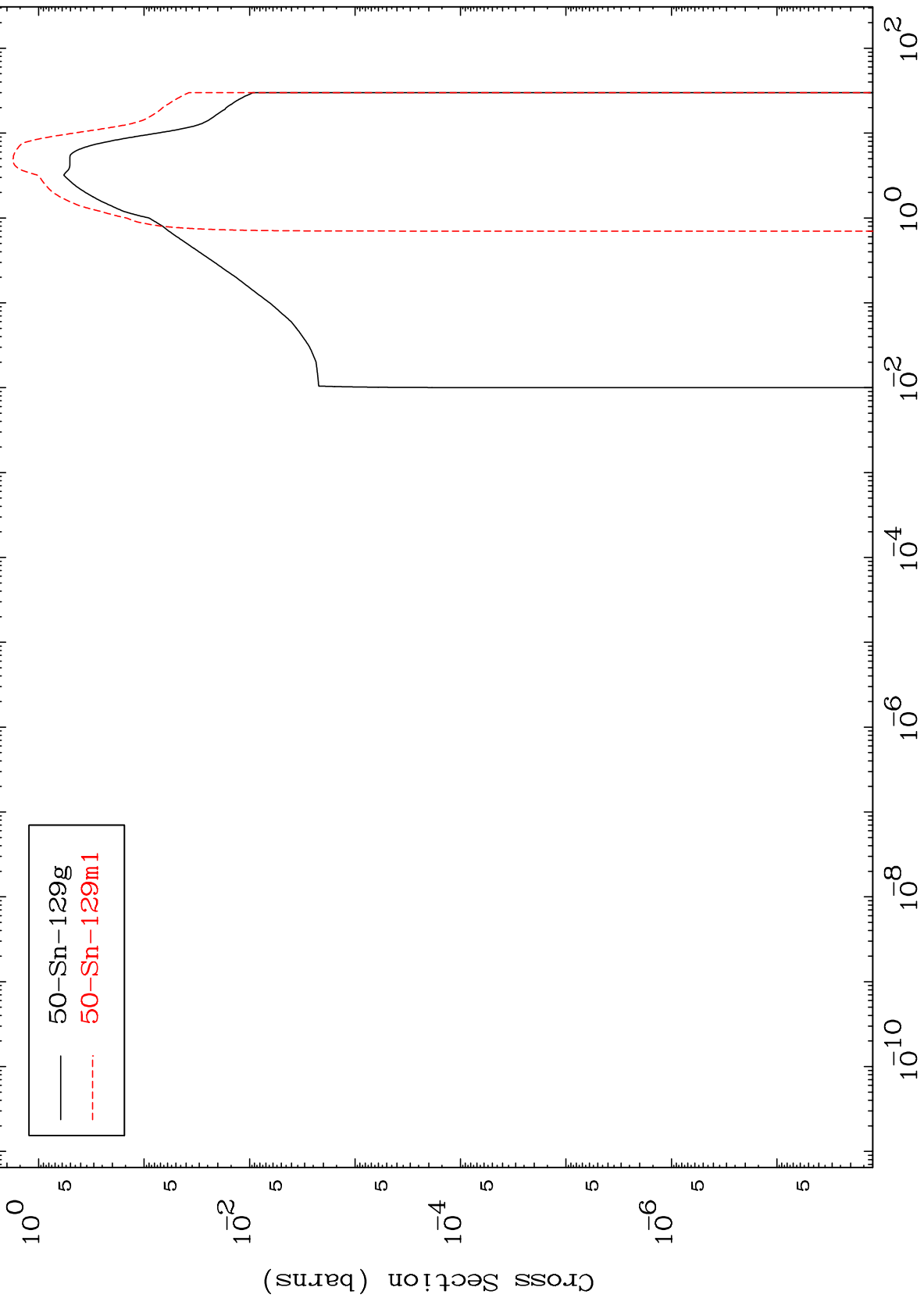
50-Sn-129m

17

MAT 5077

50-Sn-129m

Inelastic
Radionuclide Production Cross Section



50-Sn-129g
50-Sn-129m1

50-Sn-129m

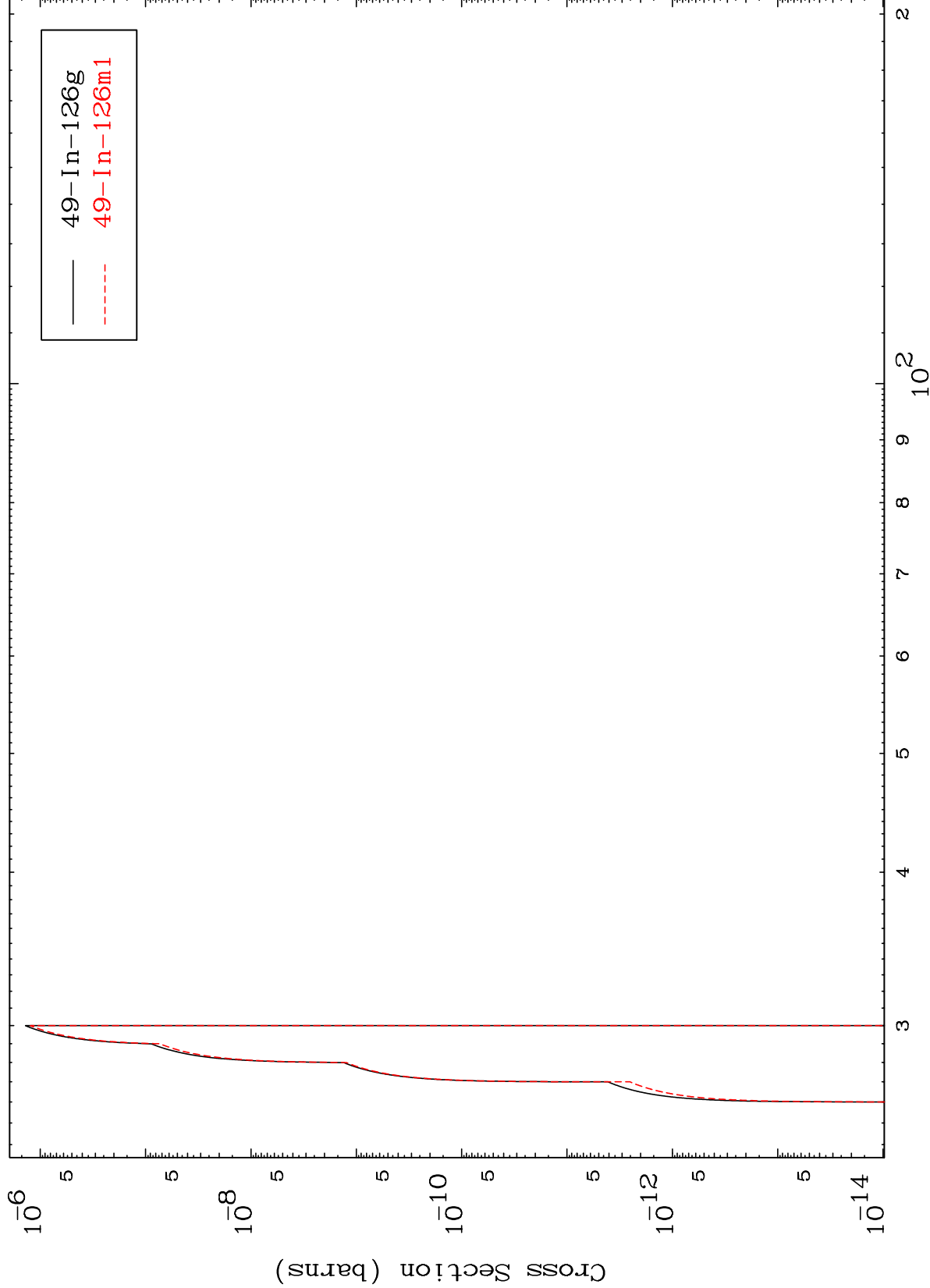
Incident Energy (MeV)

MAT 50777

(n,2n) d

50-Sn-129m

Radionuclide Production Cross Section



19

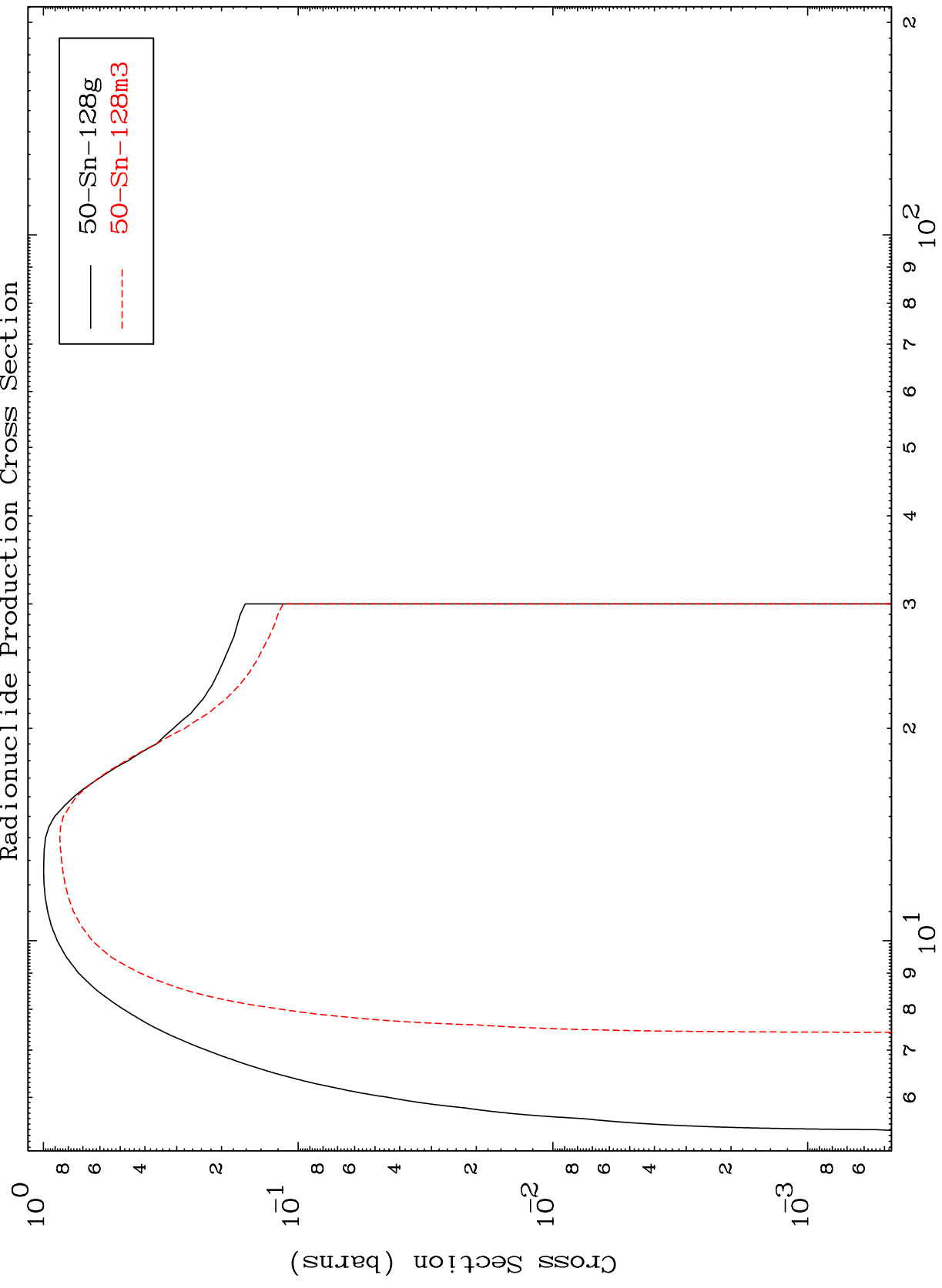
Incident Energy (MeV)

50-Sn-129m

MAT 50777

50-Sn-129m

(n,2n)
Radionuclide Production Cross Section



50-Sn-129m

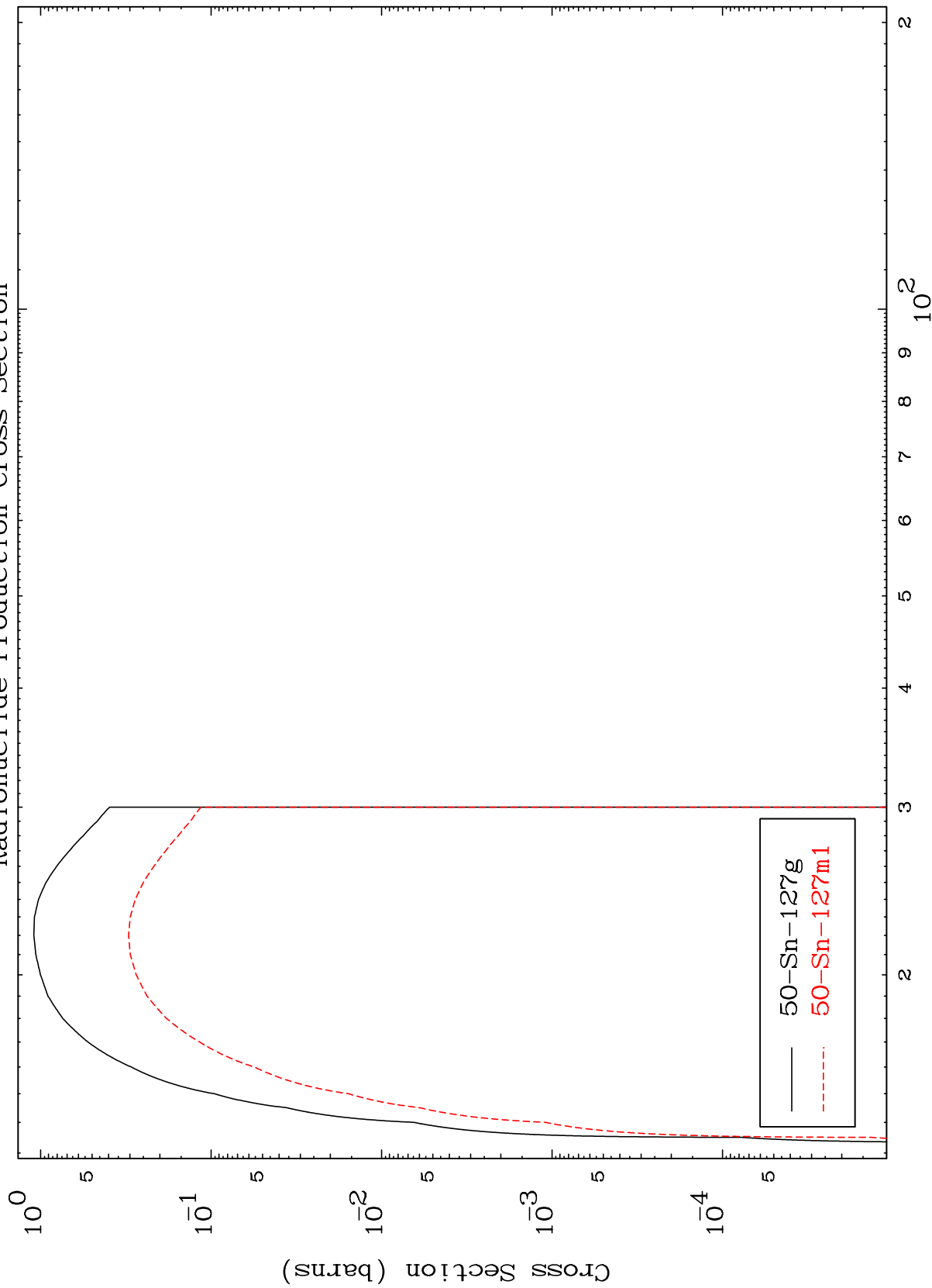
Incident Energy (MeV)

20

MAT 50777

50-Sn-129m

(n,3n)
Radionuclide Production Cross Section



50-Sn-129m

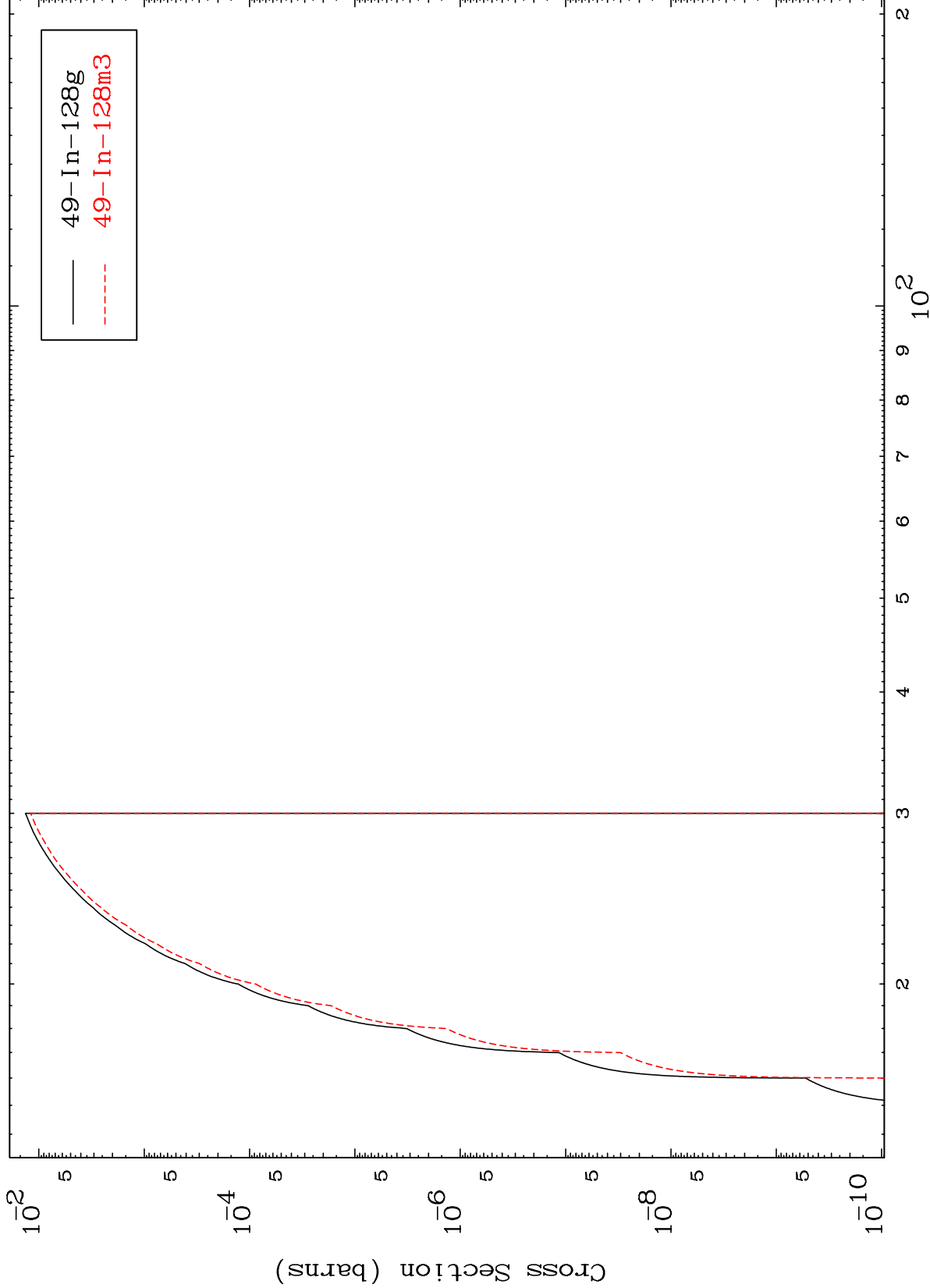
Incident Energy (MeV)

MAT 50777

(n,n') p

50-Sn-129m

Radionuclide Production Cross Section



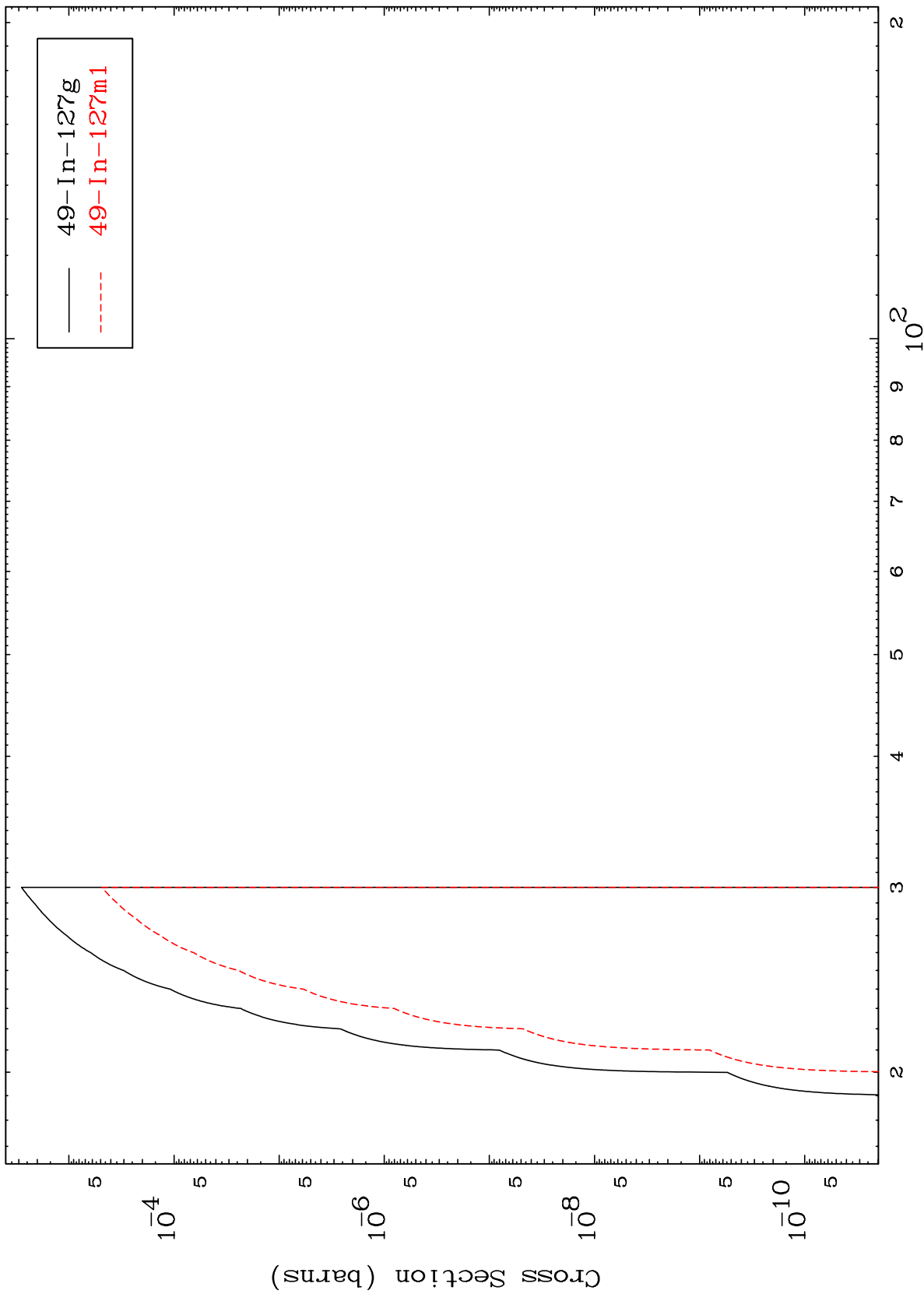
49-In-128g
49-In-128m3

MAT 5077

(n,n') d

50-Sn-129m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

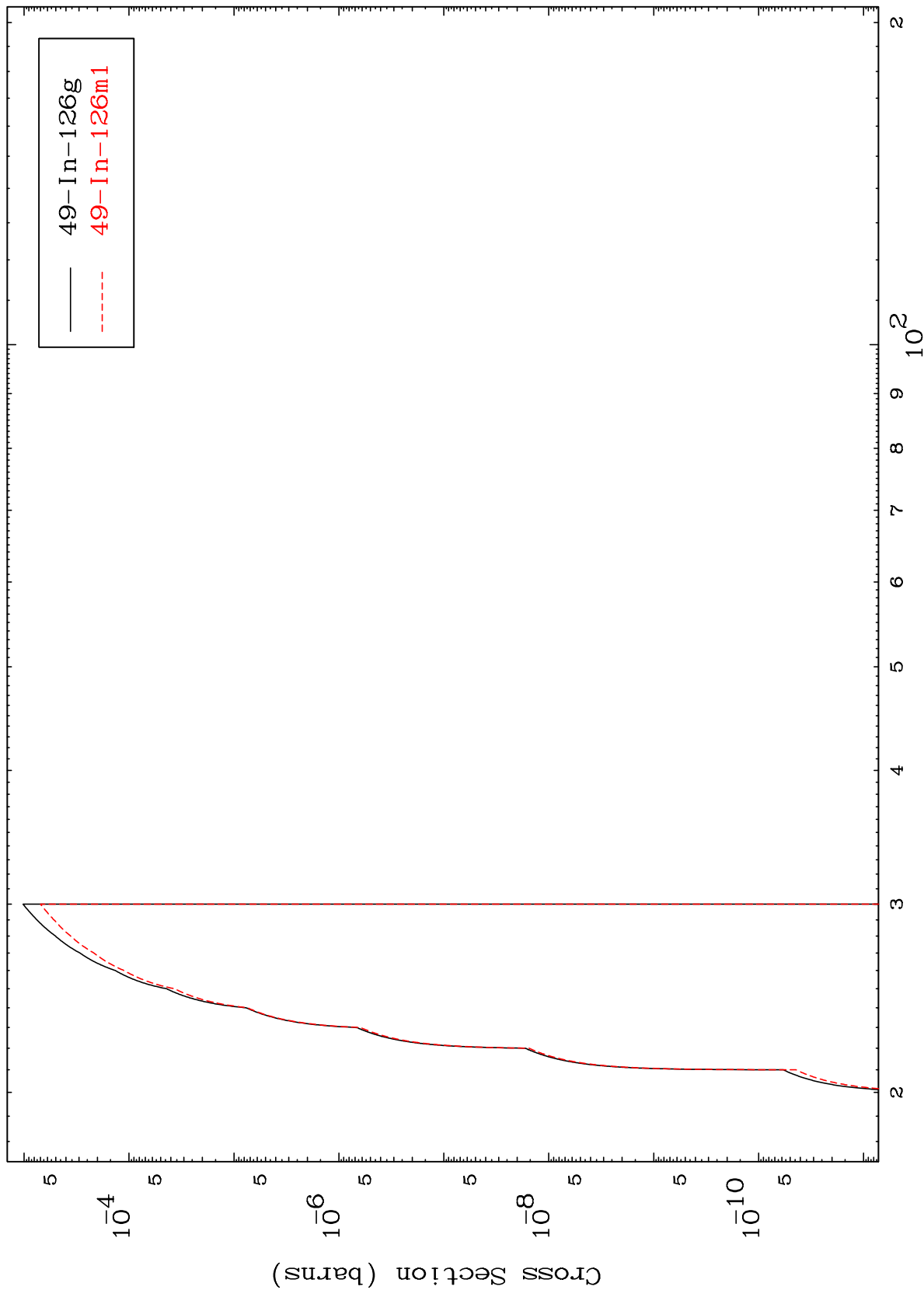
50-Sn-129m

MAT 50777

(n,n') t

50-Sn-129m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

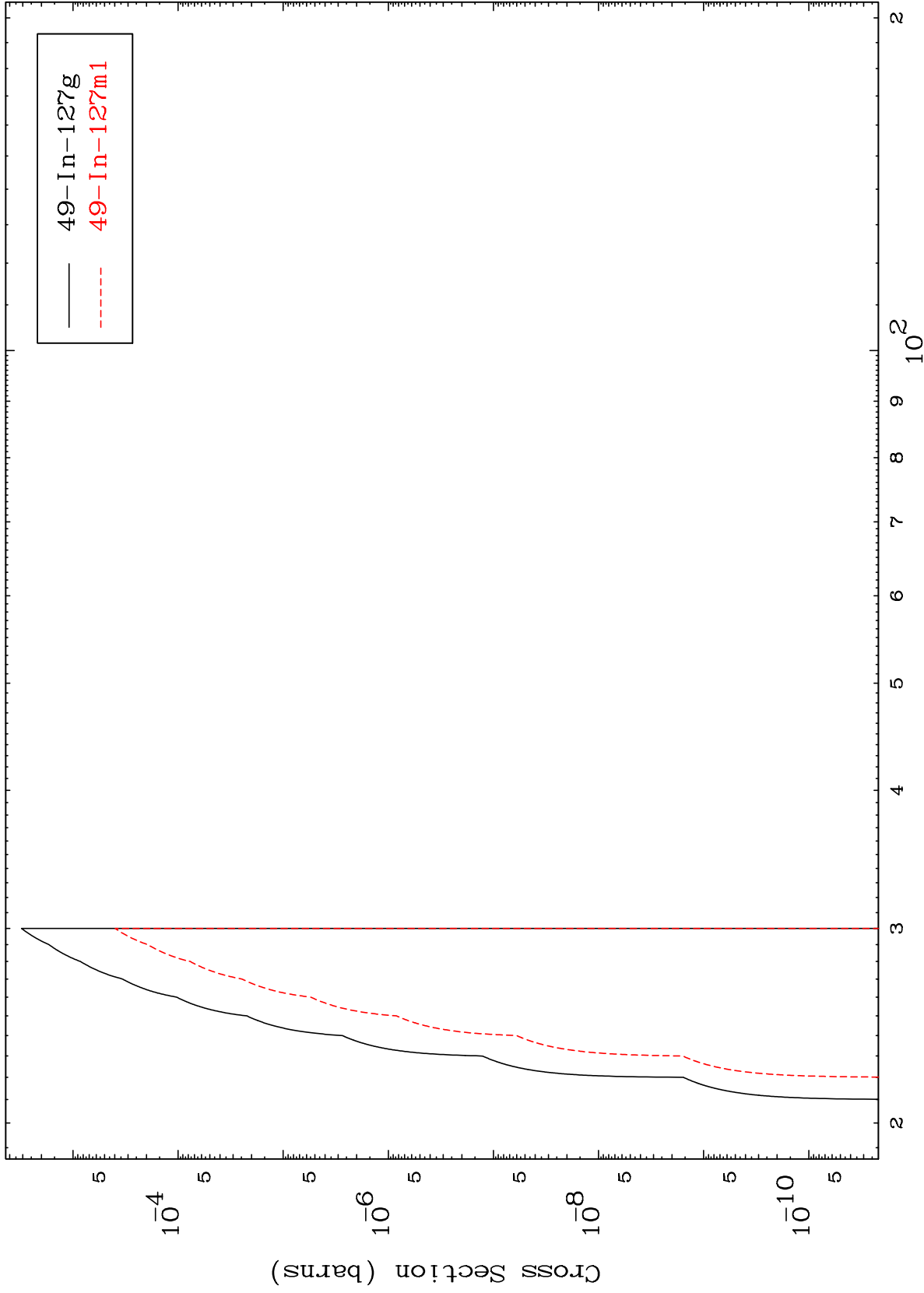
50-Sn-129m

MAT 50777

(n,2n) p

50-Sn-129m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

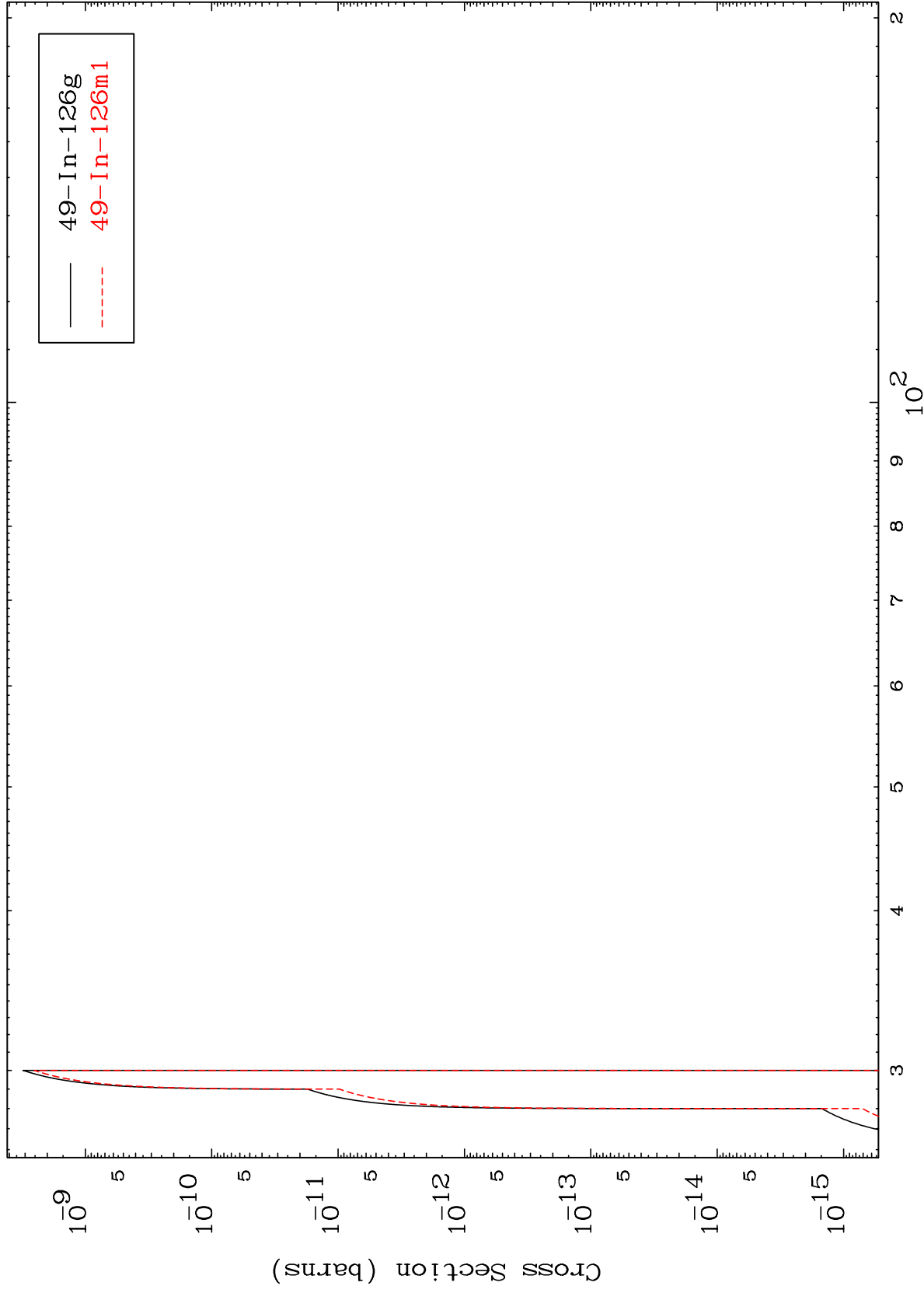
50-Sn-129m

MAT 5077

(n,3n) p

50-Sn-129m

Radionuclide Production Cross Section



26

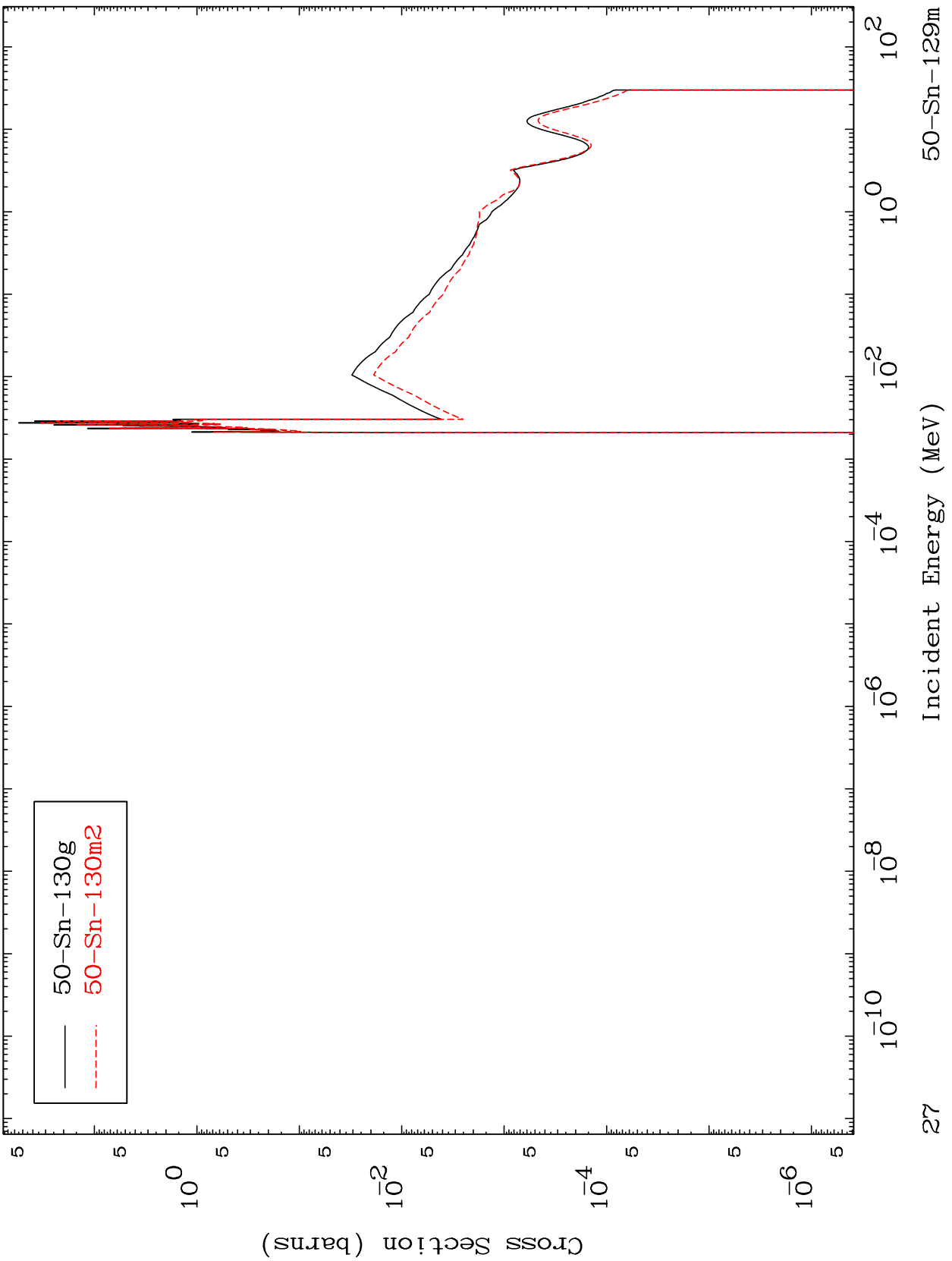
Incident Energy (MeV)

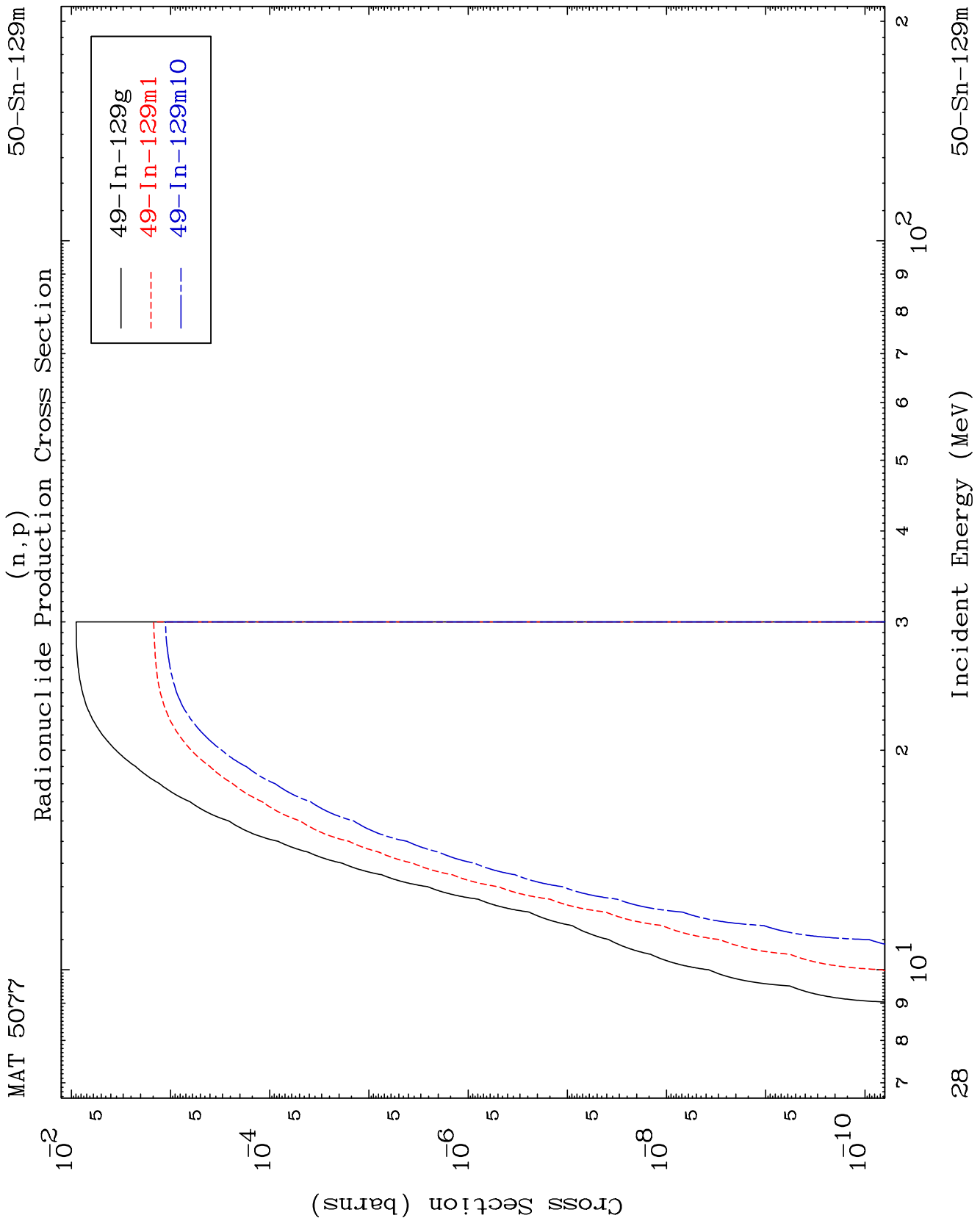
50-Sn-129m

MAT 5077

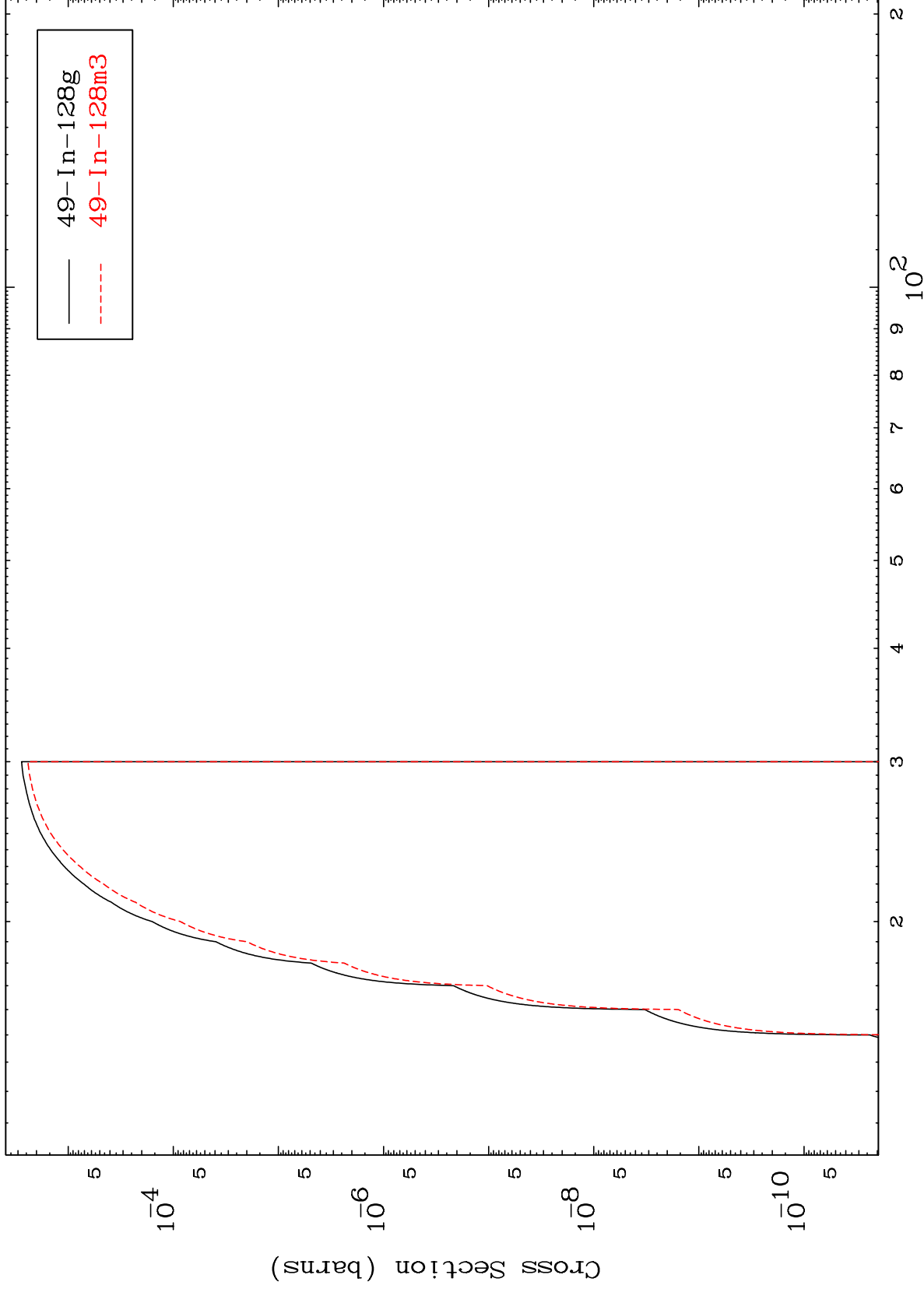
Radionuclide Production Cross Section
(n, γ)

50-Sn-129m





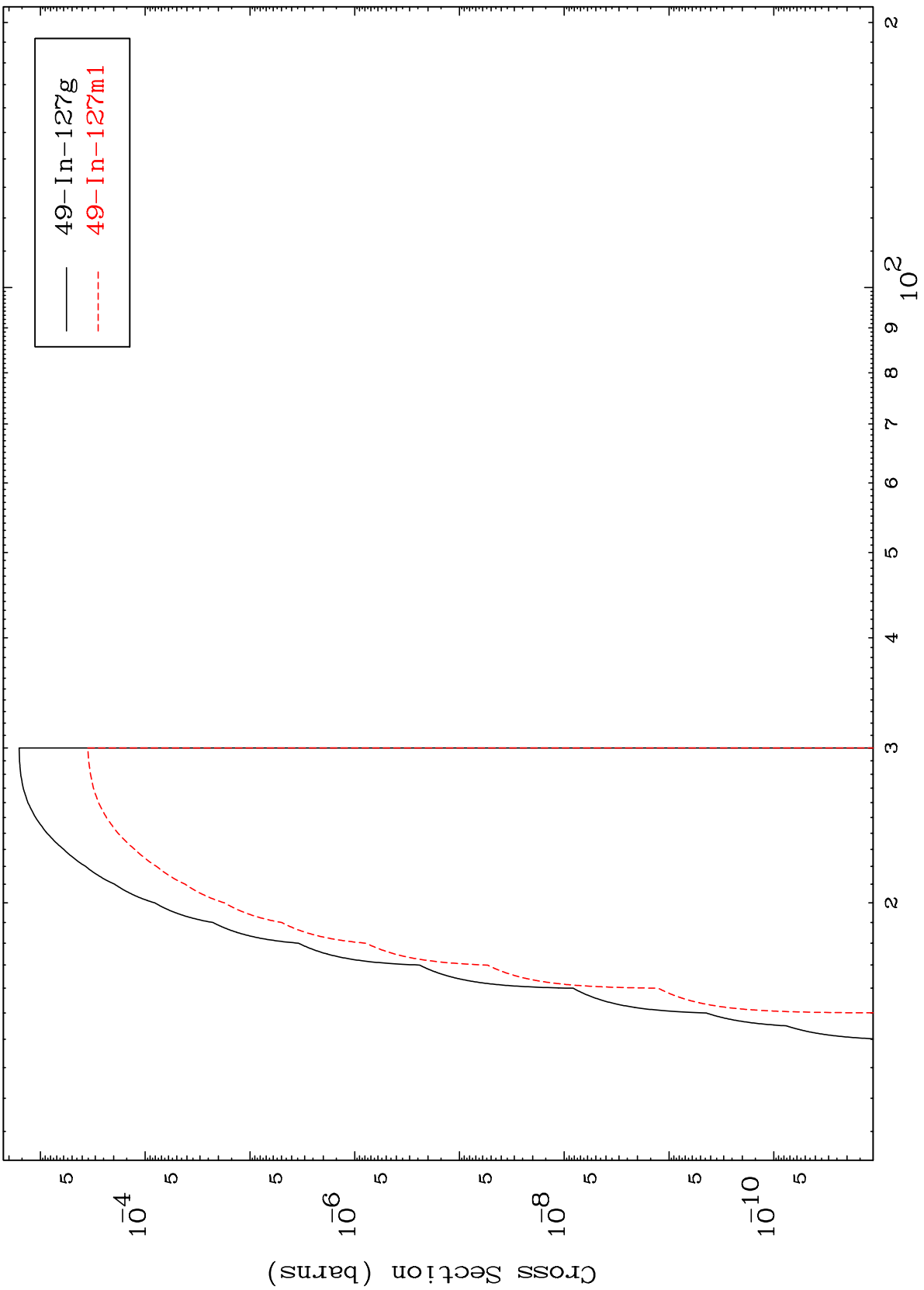
Radionuclide Production Cross Section



MAT 5077

50-Sn-129m

(n,t)
Radionuclide Production Cross Section



49-In-127g
49-In-127m1

30

Incident Energy (MeV)

50-Sn-129m