

Program EVALPLOT
(Version 2015-2)

by

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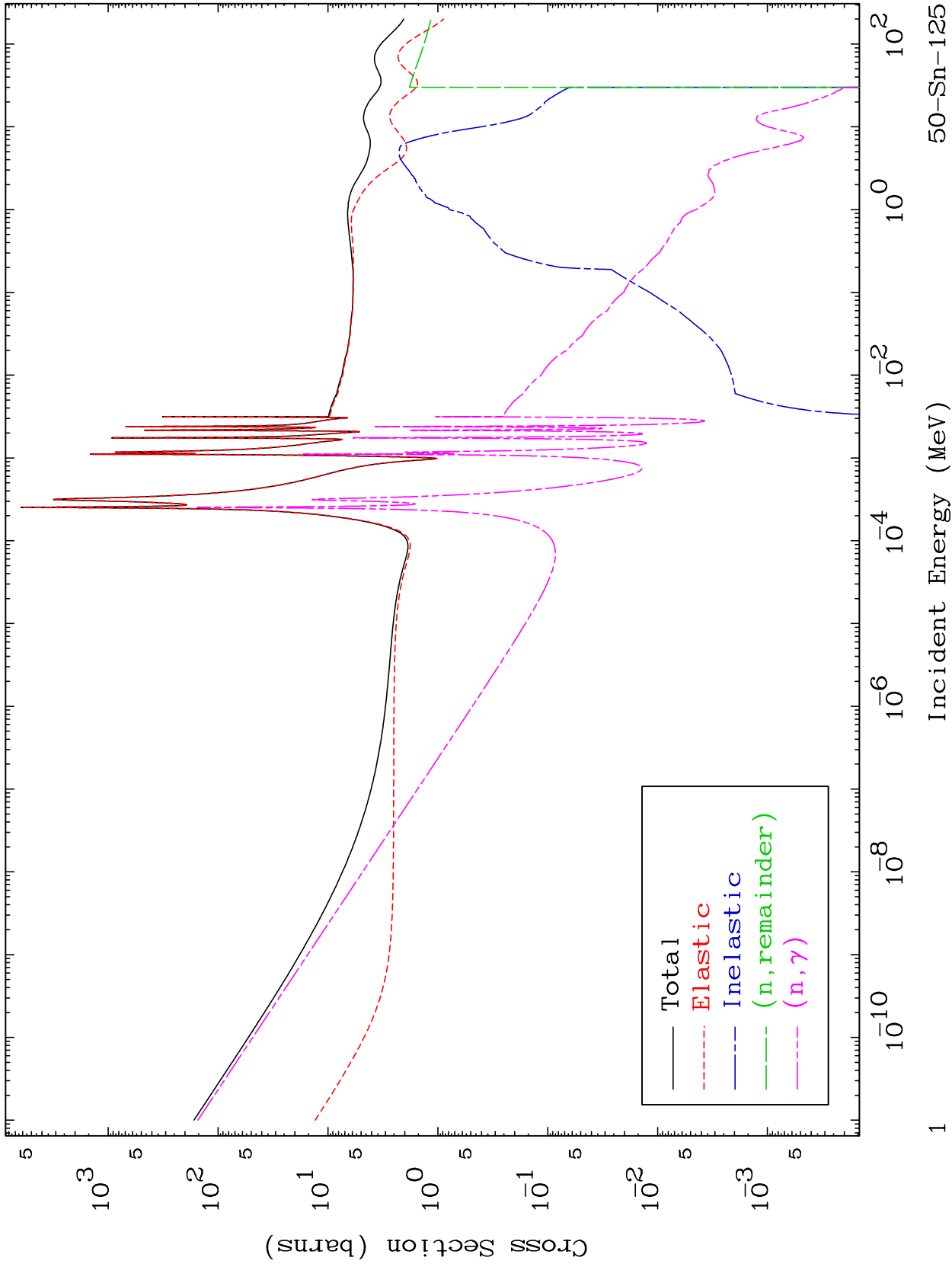
Press Mouse Button to Start

MAT 5065

Major

293 Kelvin Cross Sections

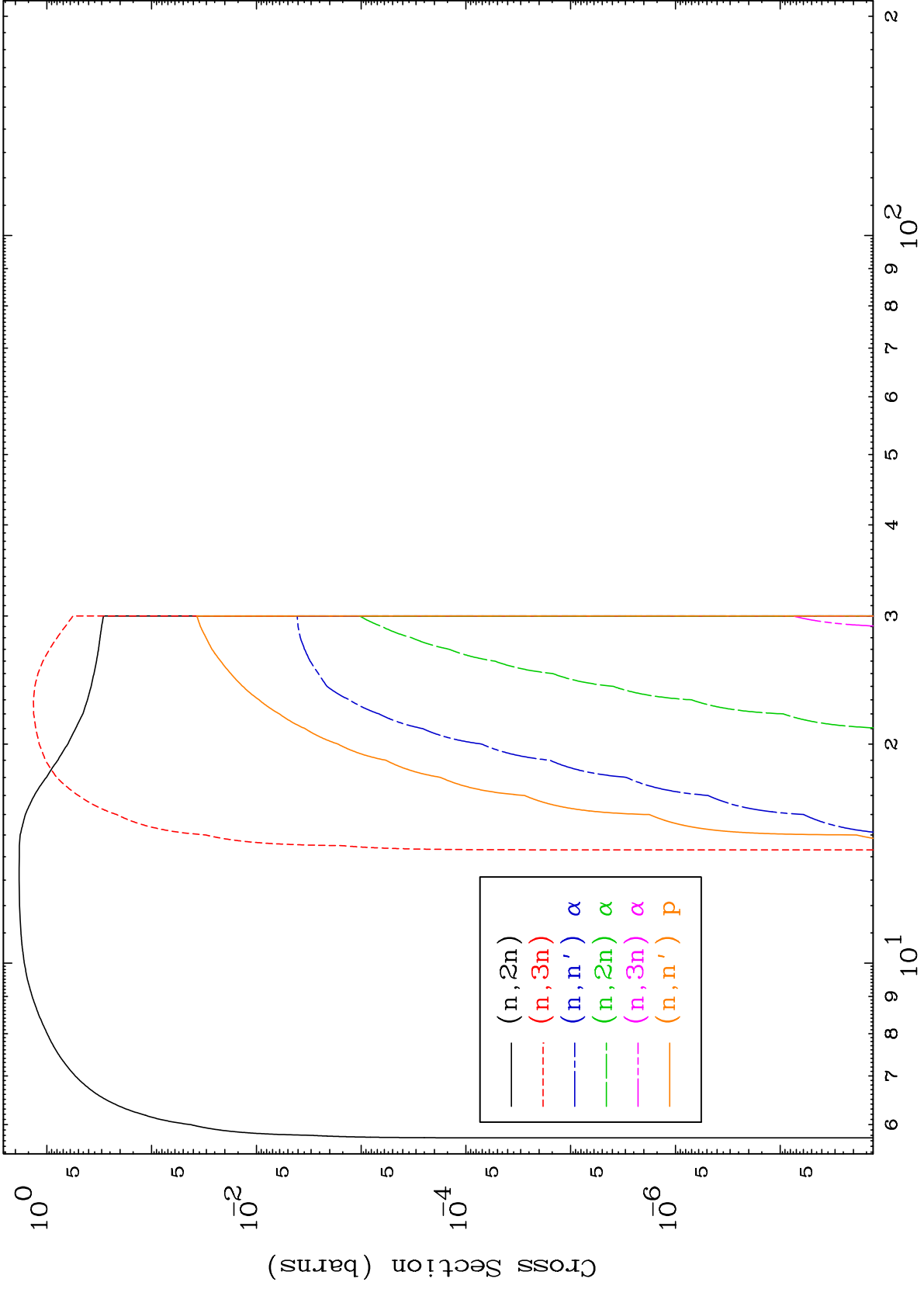
50-Sn-125



MAT 5065

Neutron Production
293 Kelvin Cross Sections

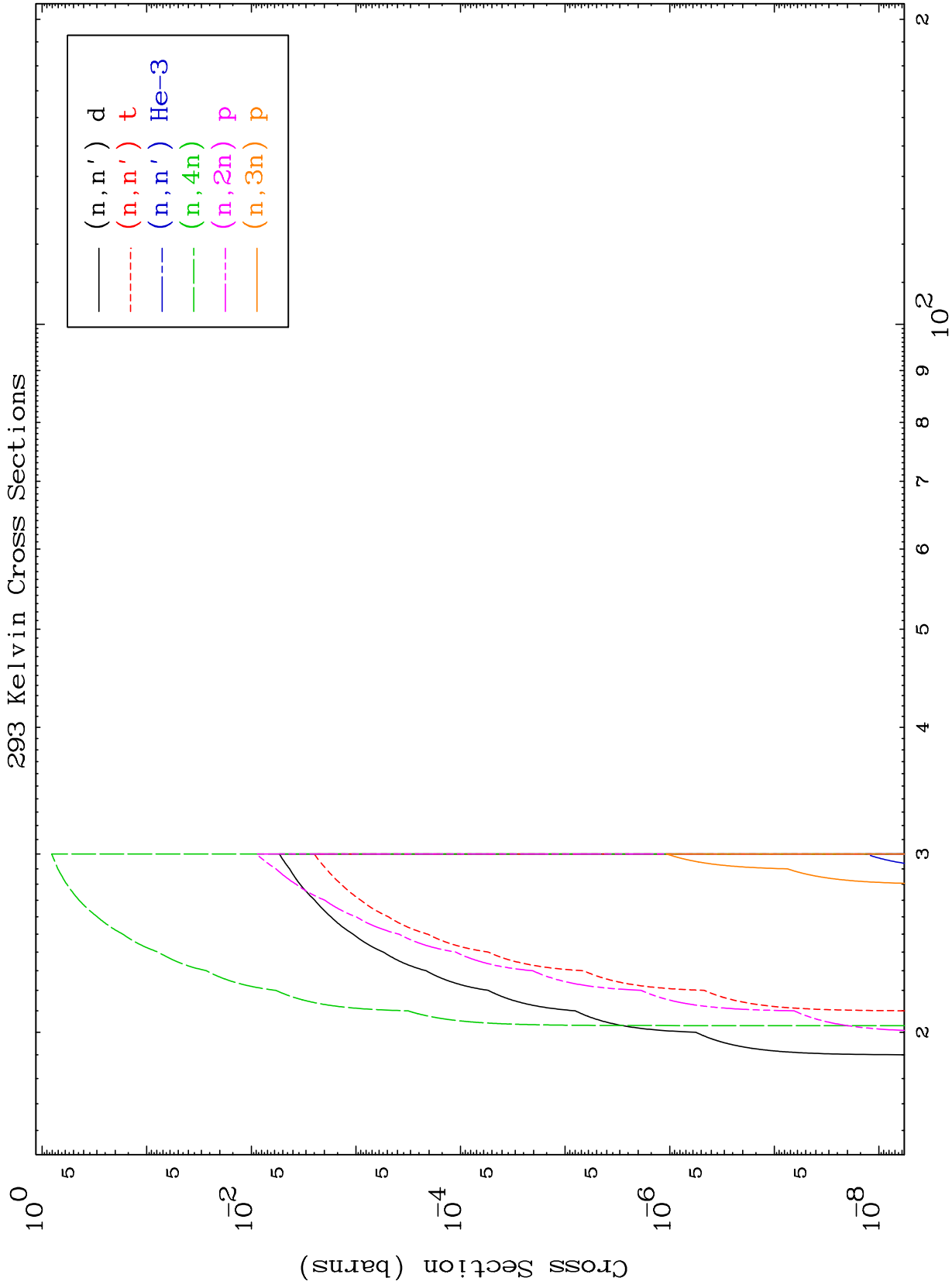
50-Sn-125



2

Incident Energy (MeV)

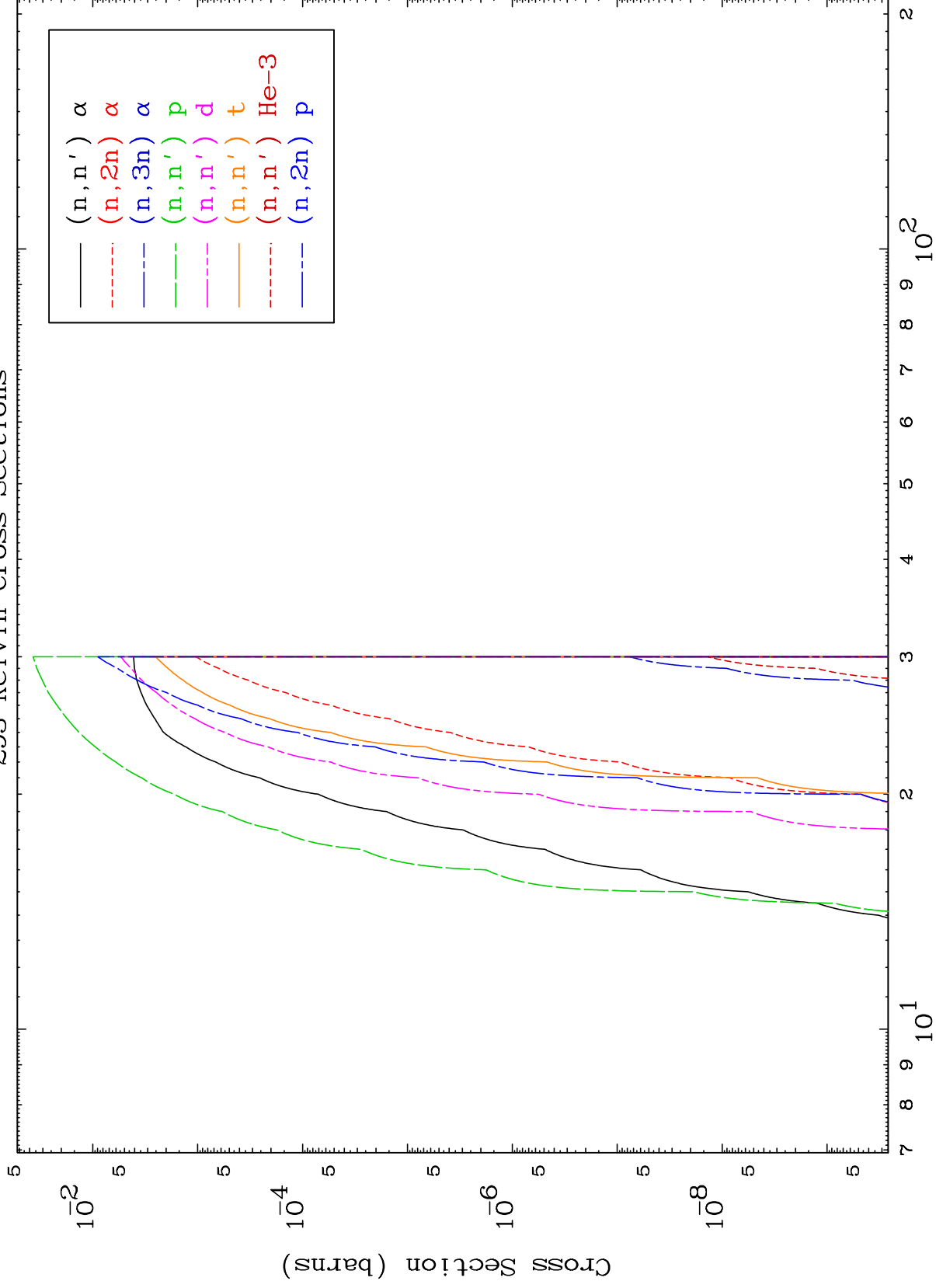
50-Sn-125



MAT 5065

Charged Particle
293 Kelvin Cross Sections

50-Sn-125



4

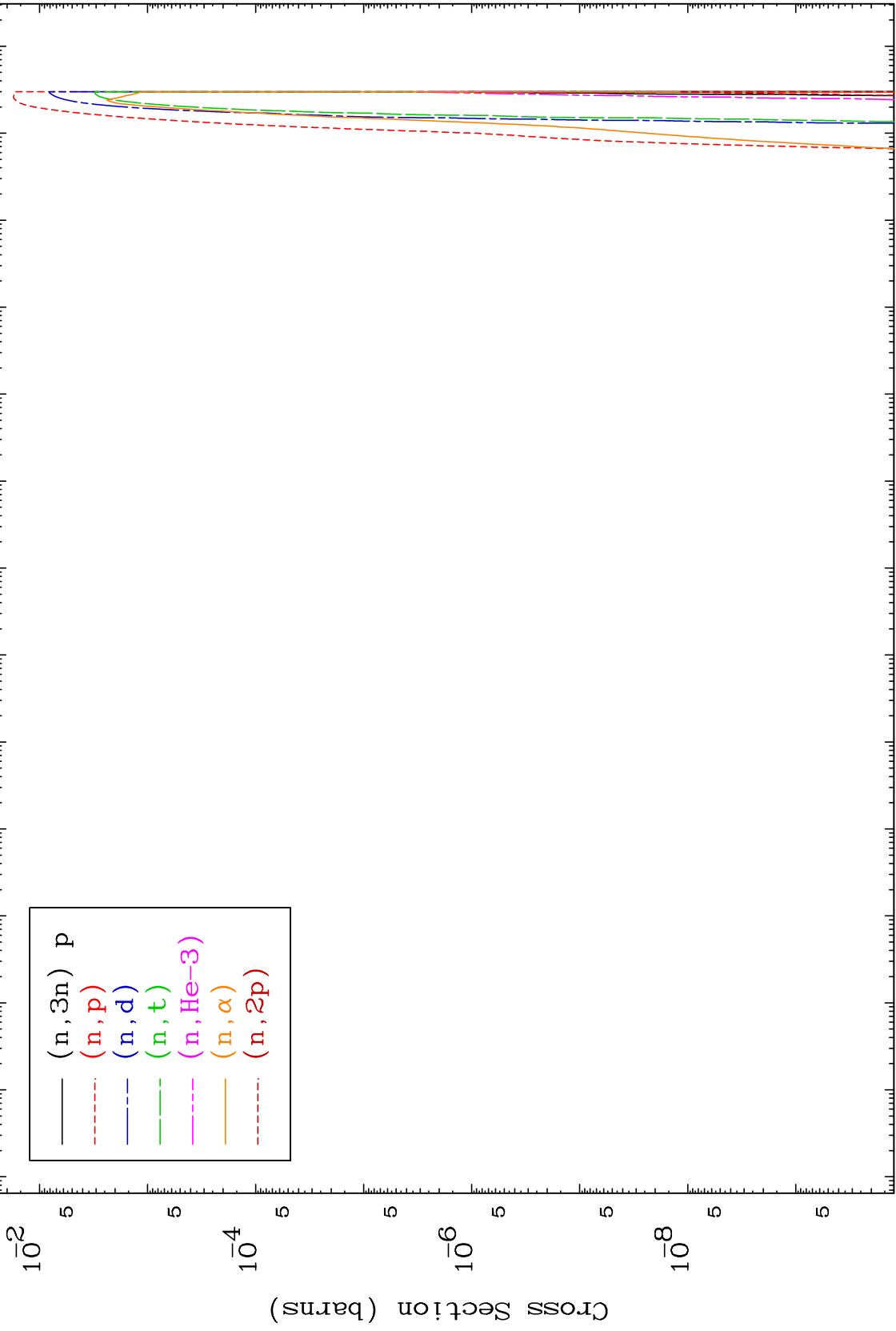
Incident Energy (MeV)

50-Sn-125

MAT 5065

Charged Particle
293 Kelvin Cross Sections

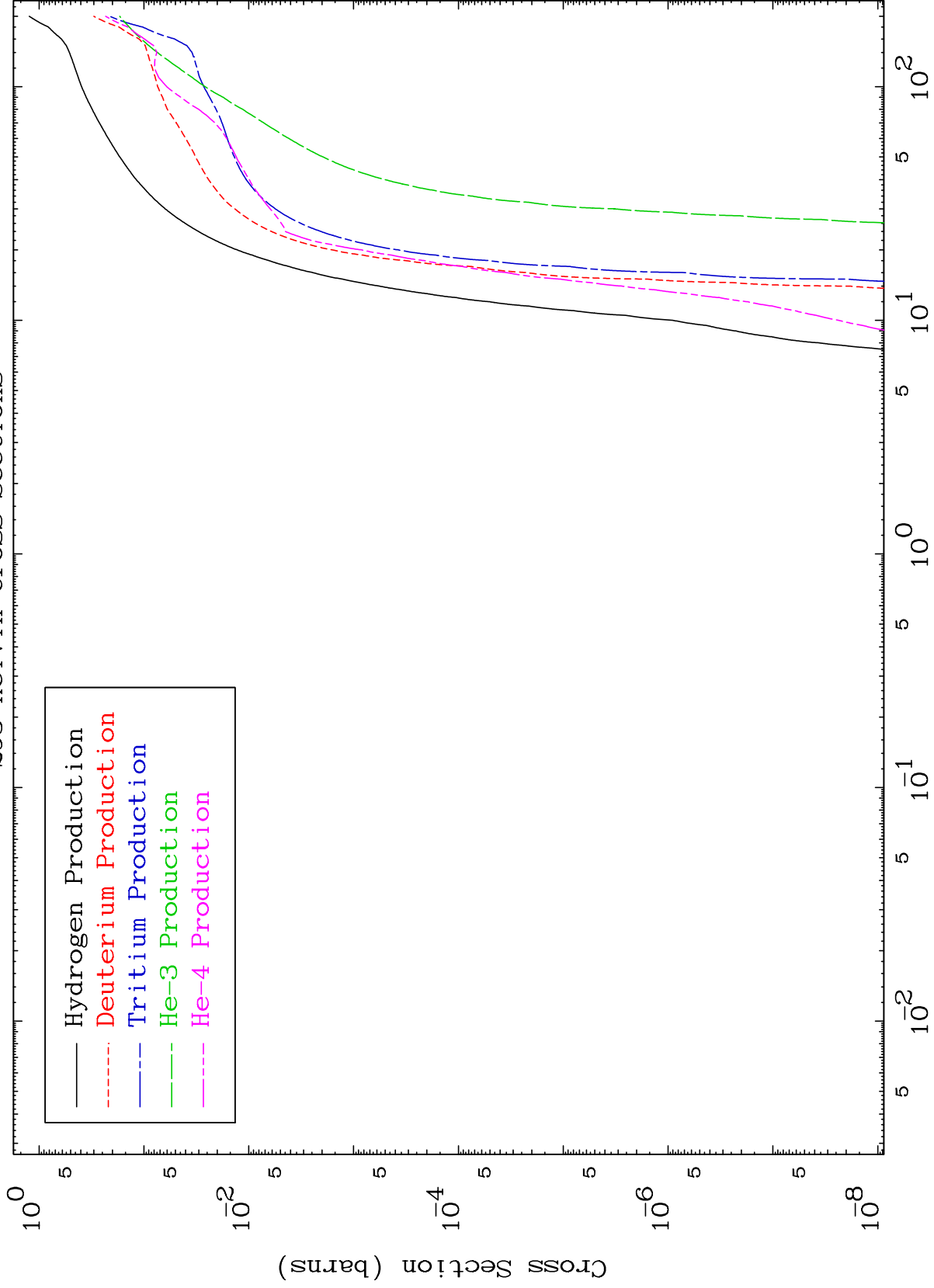
50-Sn-125



MAT 5065

Particle Production
293 Kelvin Cross Sections

50-Sn-125



6

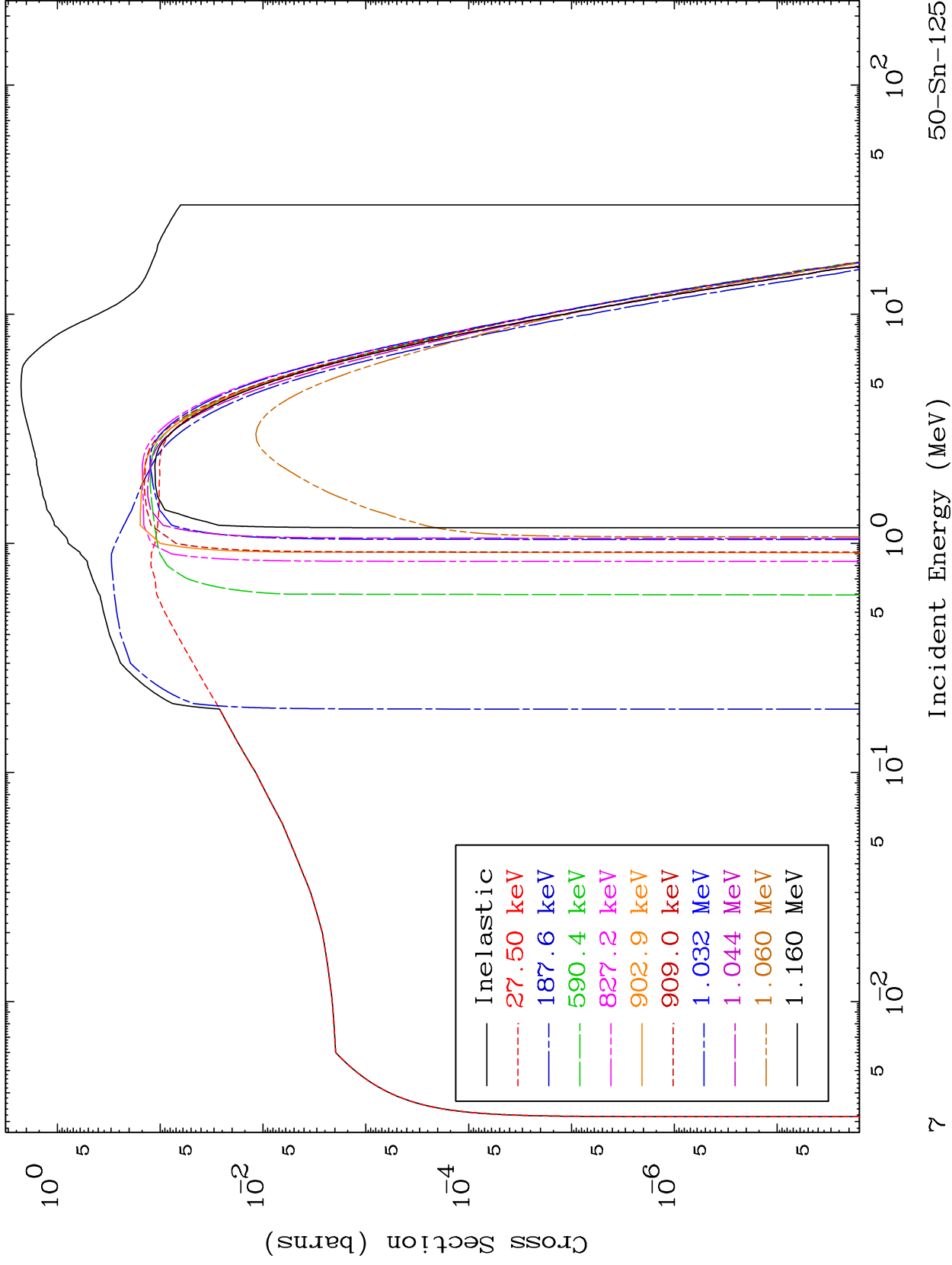
Incident Energy (MeV)

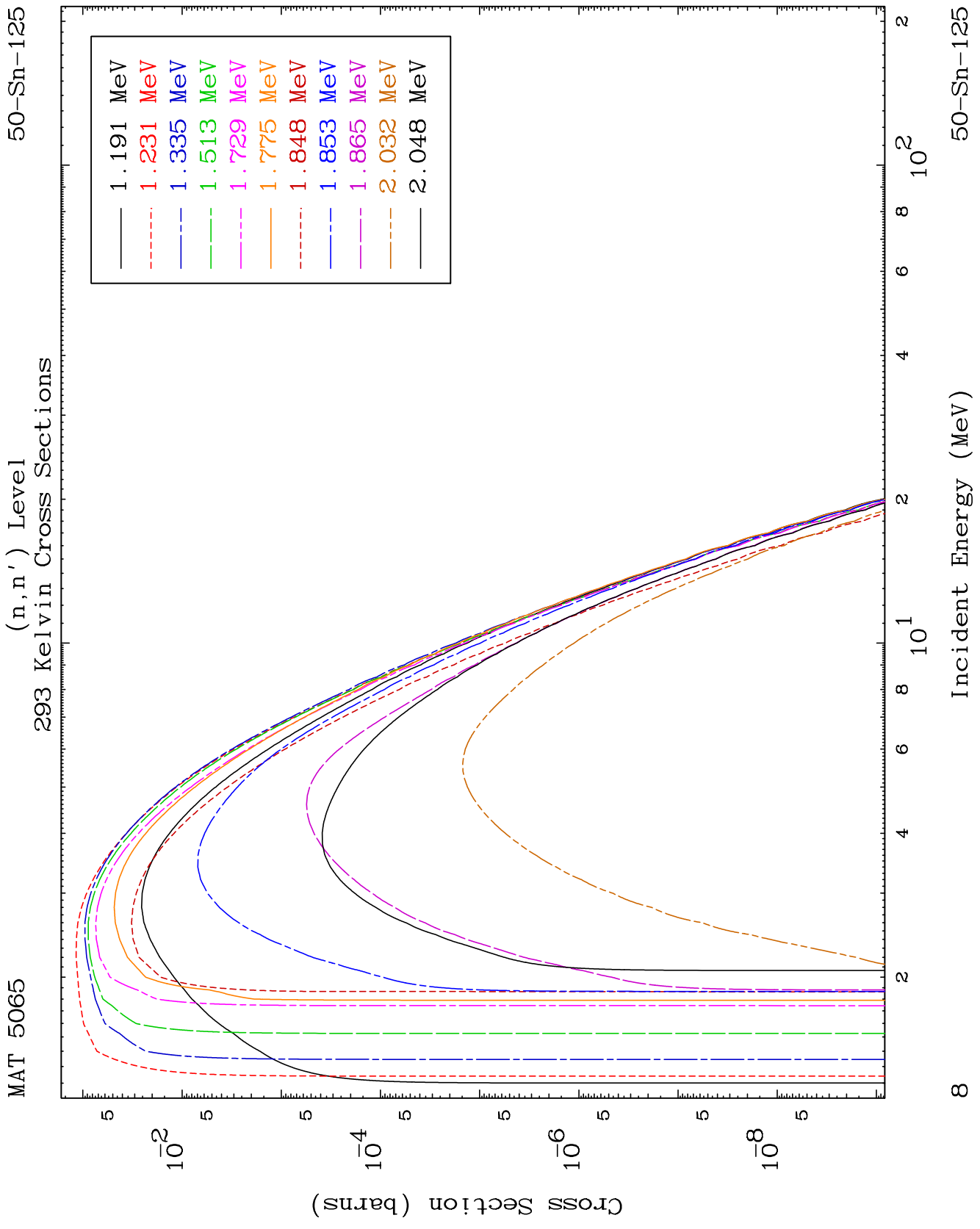
50-Sn-125

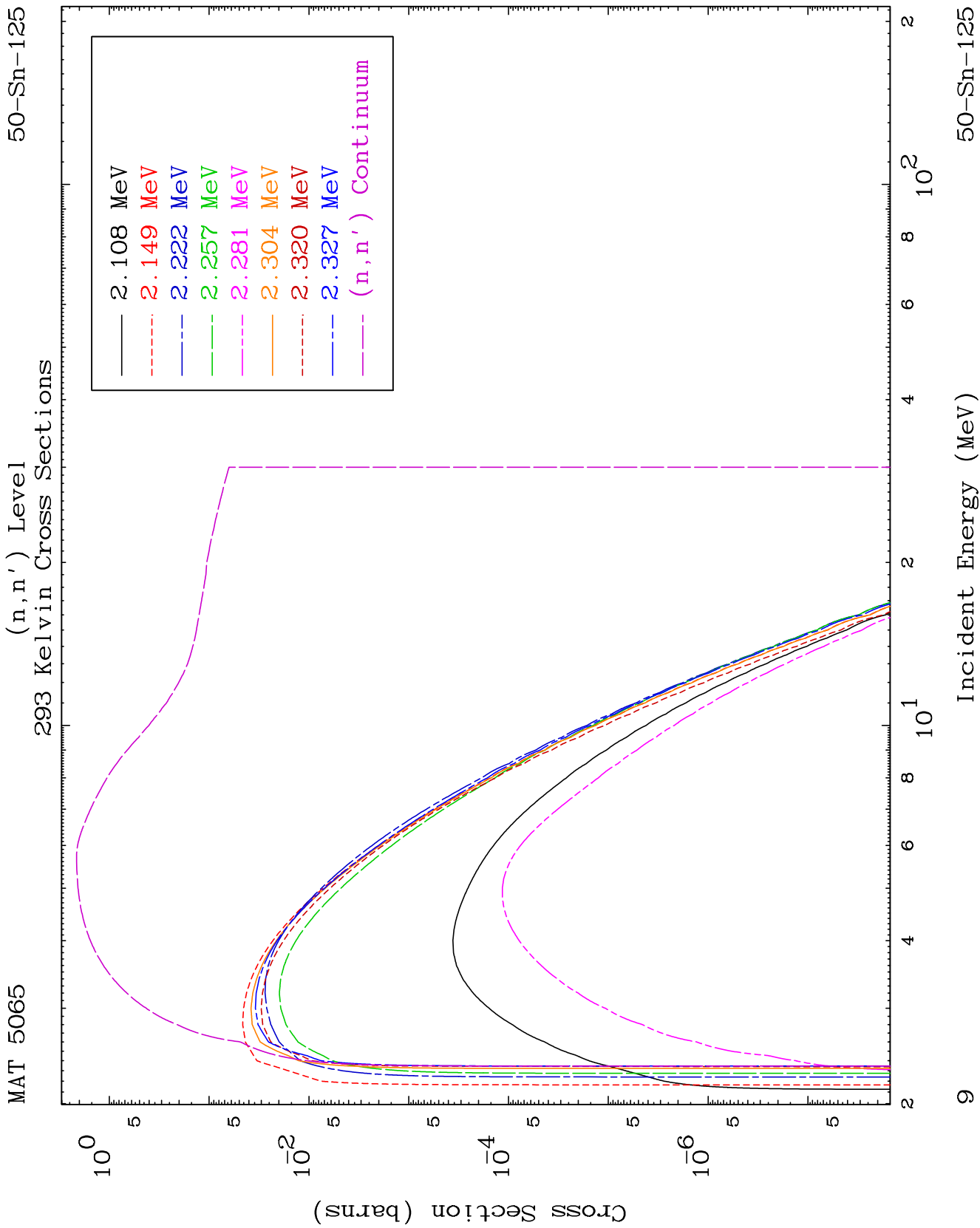
MAT 5065

(n,n') Level
293 Kelvin Cross Sections

50-Sn-125



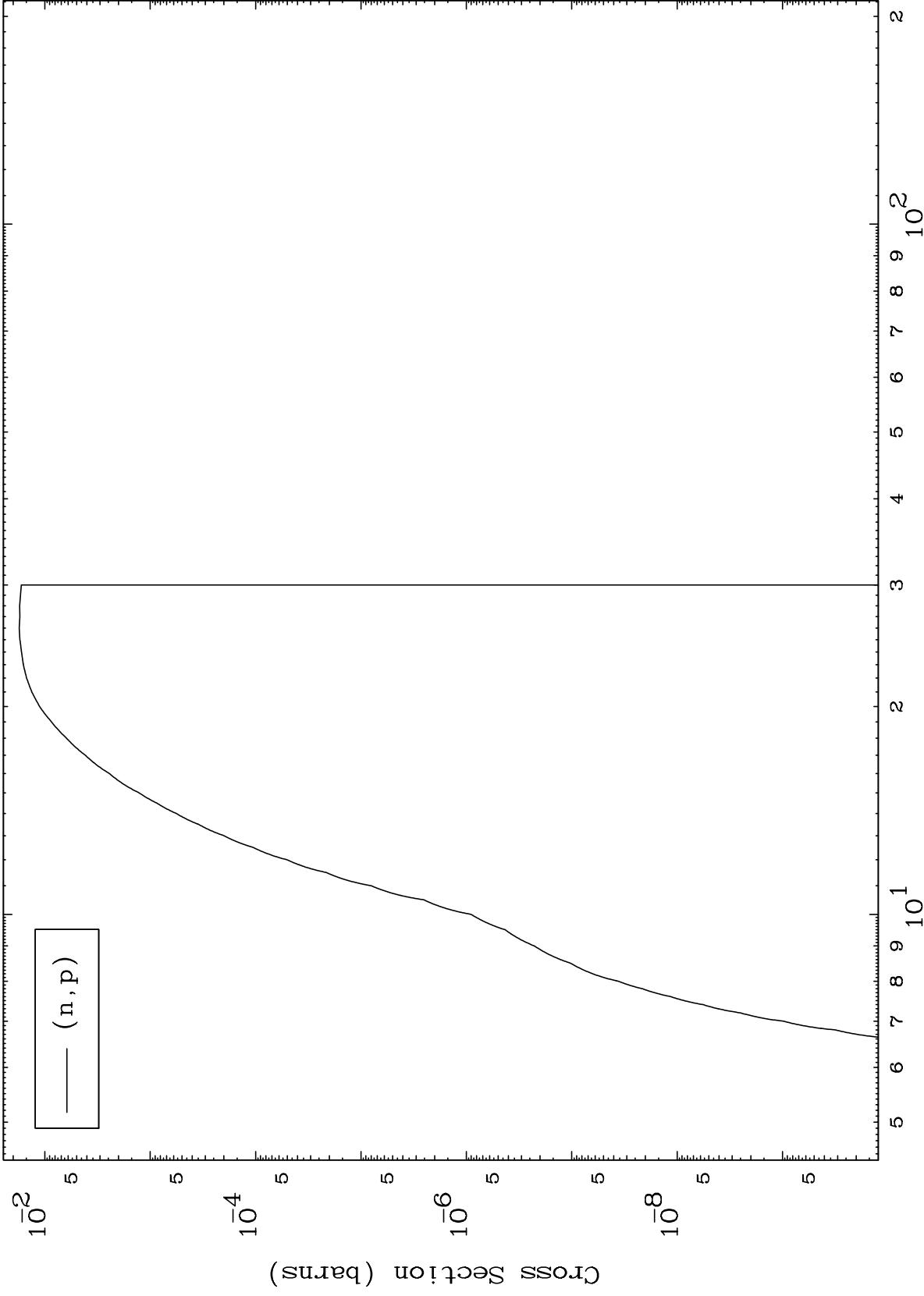




MAT 5065

(n,p) Levels
293 Kelvin Cross Sections

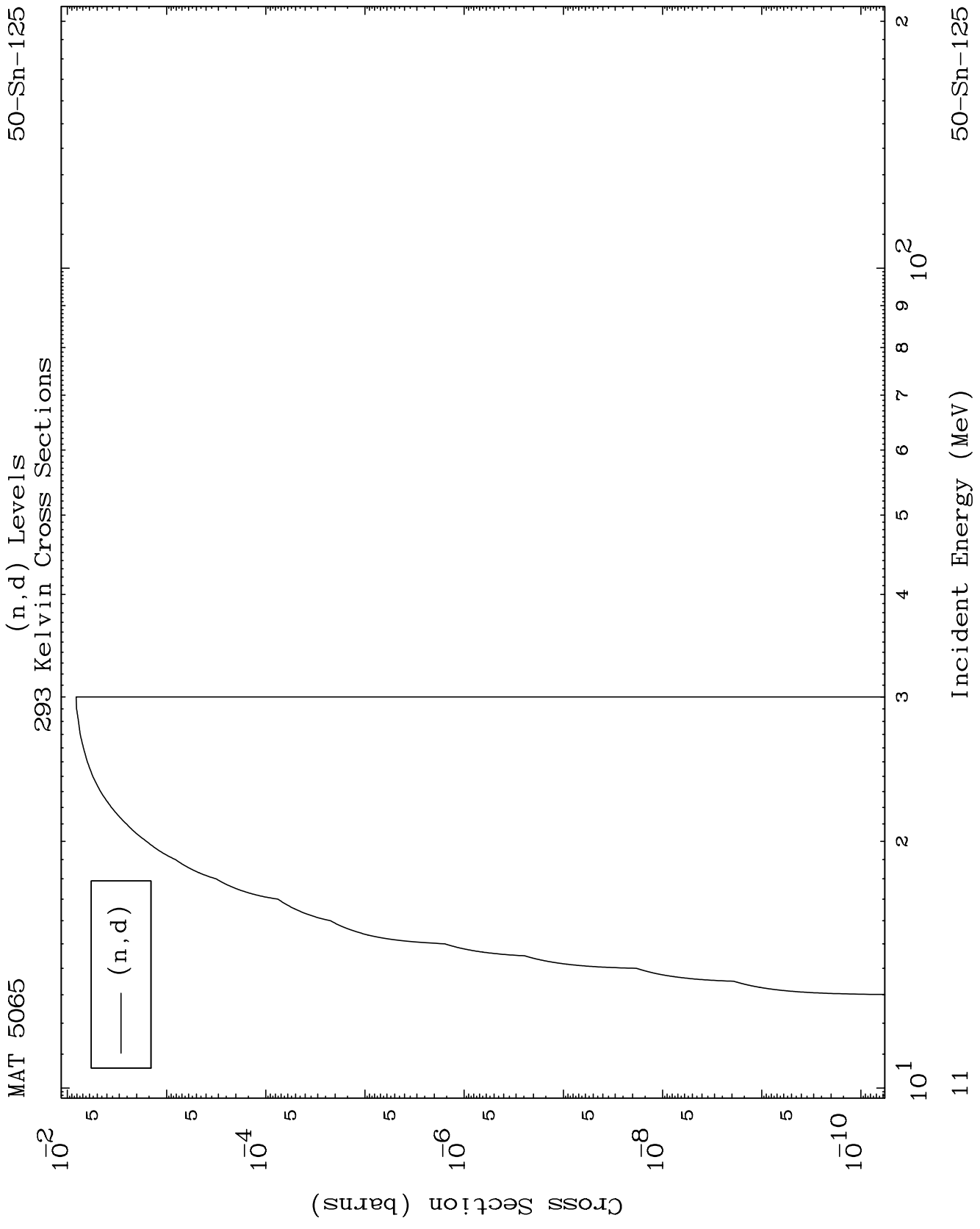
50-Sn-125



10

Incident Energy (MeV)

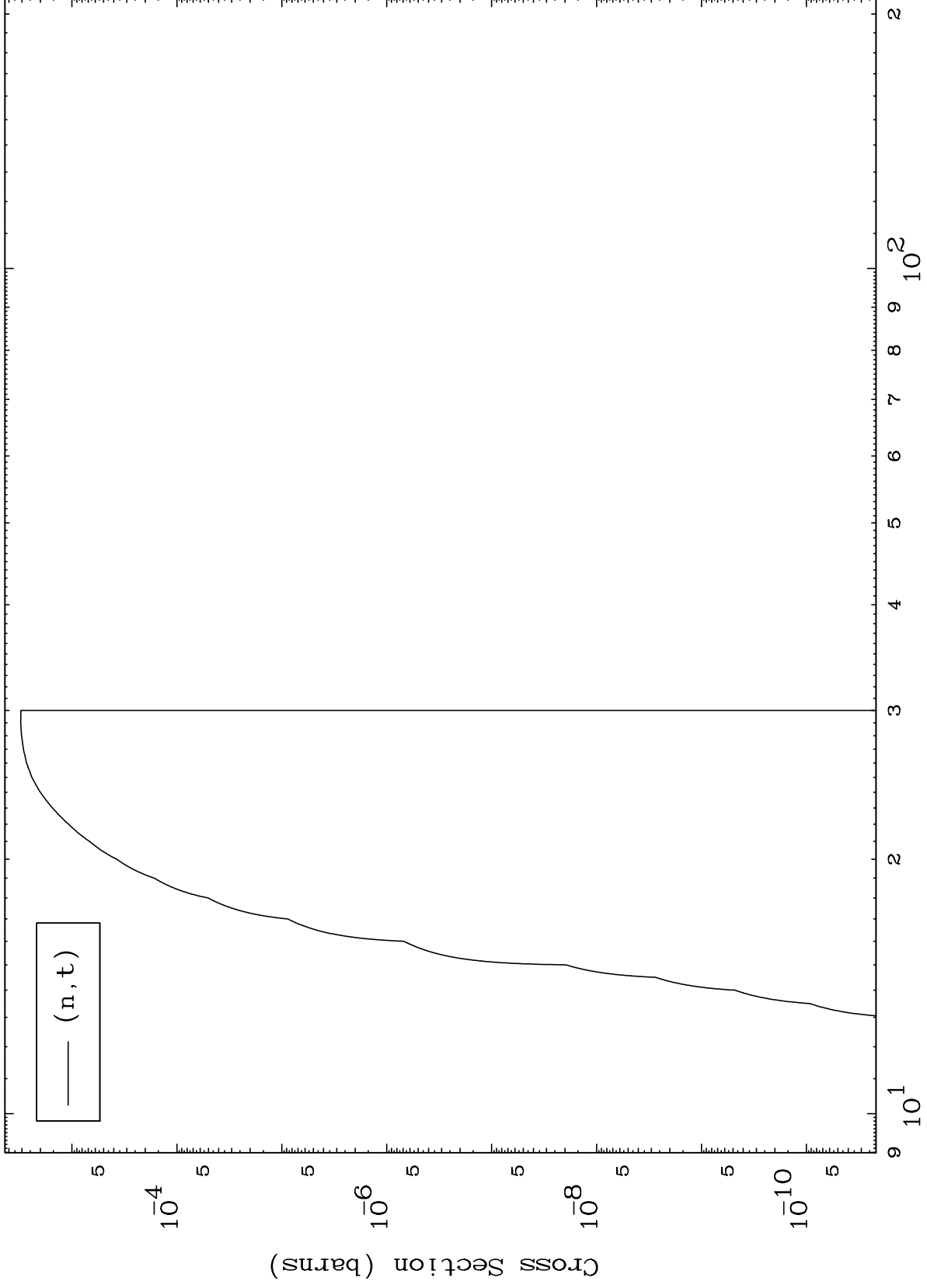
50-Sn-125



MAT 5065

(n,t) Levels
293 Kelvin Cross Sections

50-Sn-125



12

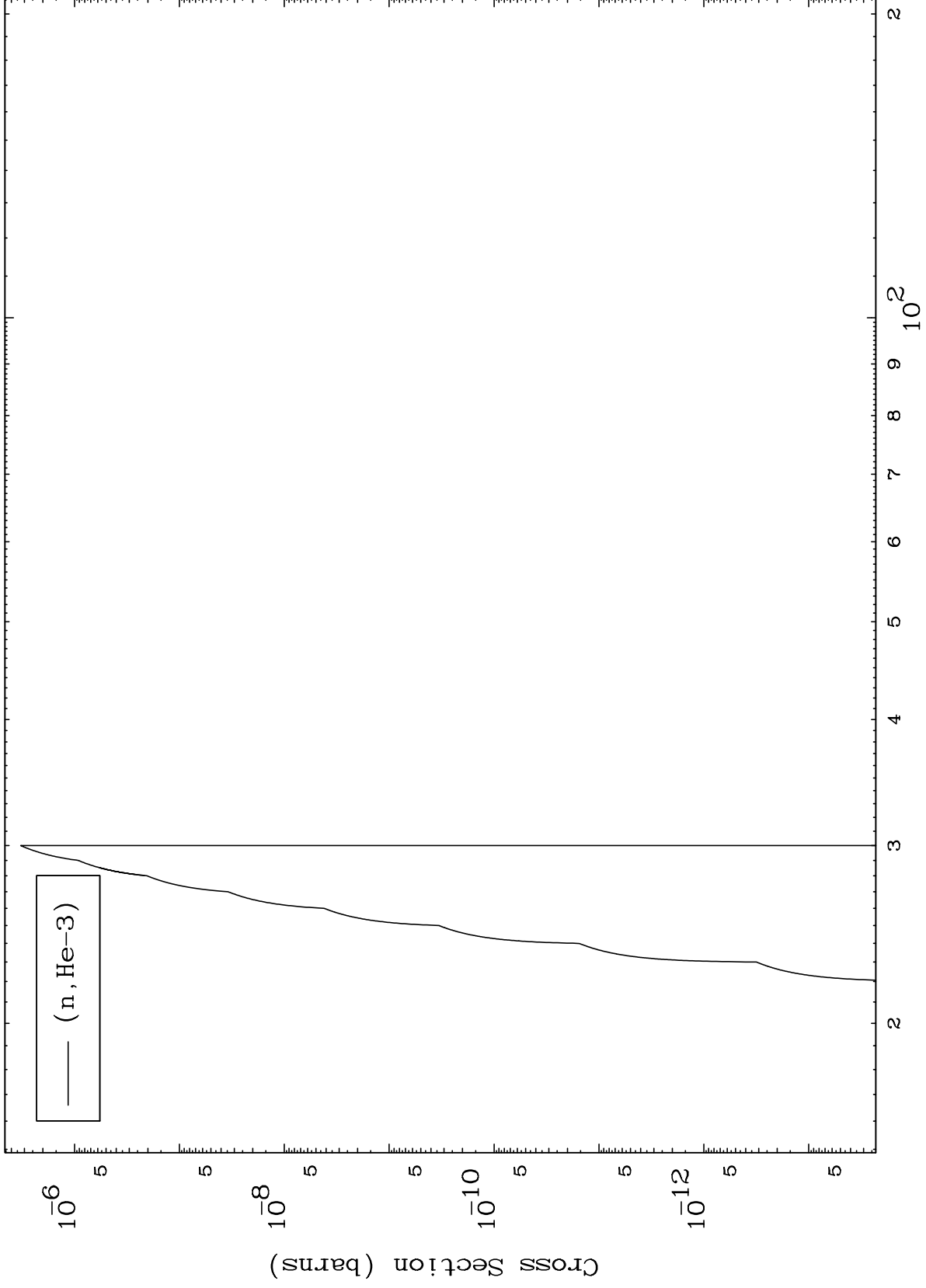
Incident Energy (MeV)

50-Sn-125

MAT 5065

(n,He3) Levels
293 Kelvin Cross Sections

50-Sn-125



13

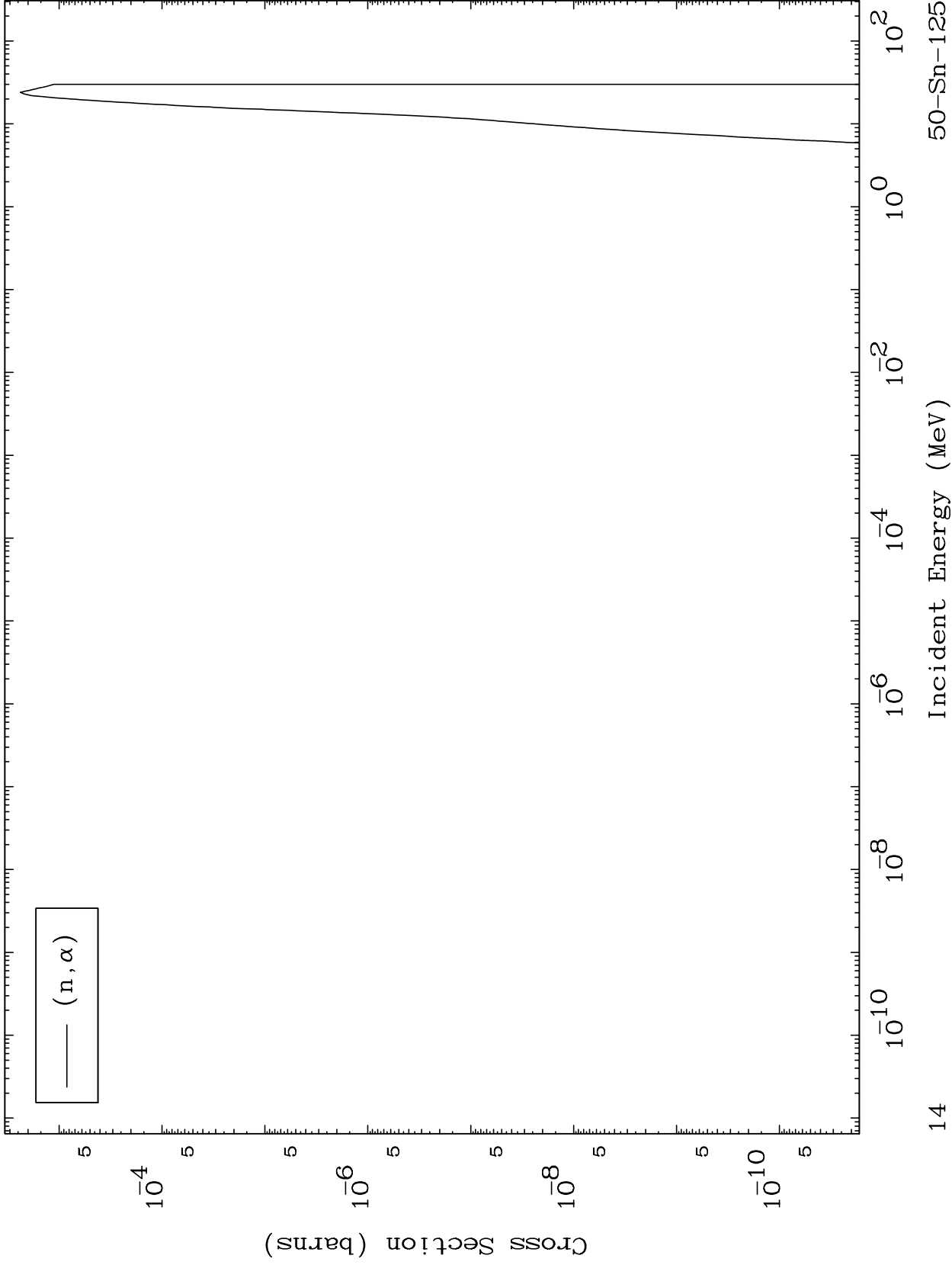
Incident Energy (MeV)

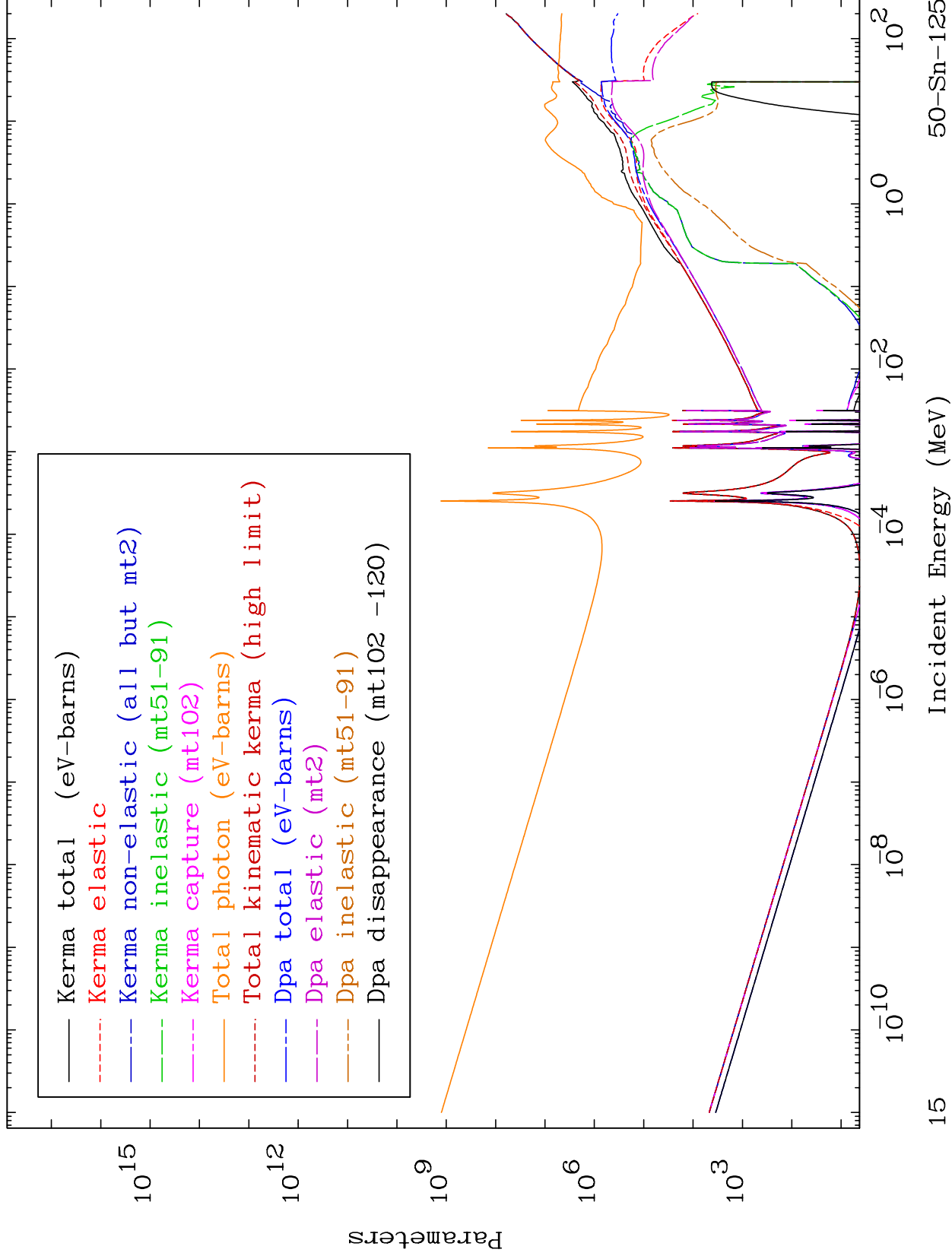
50-Sn-125

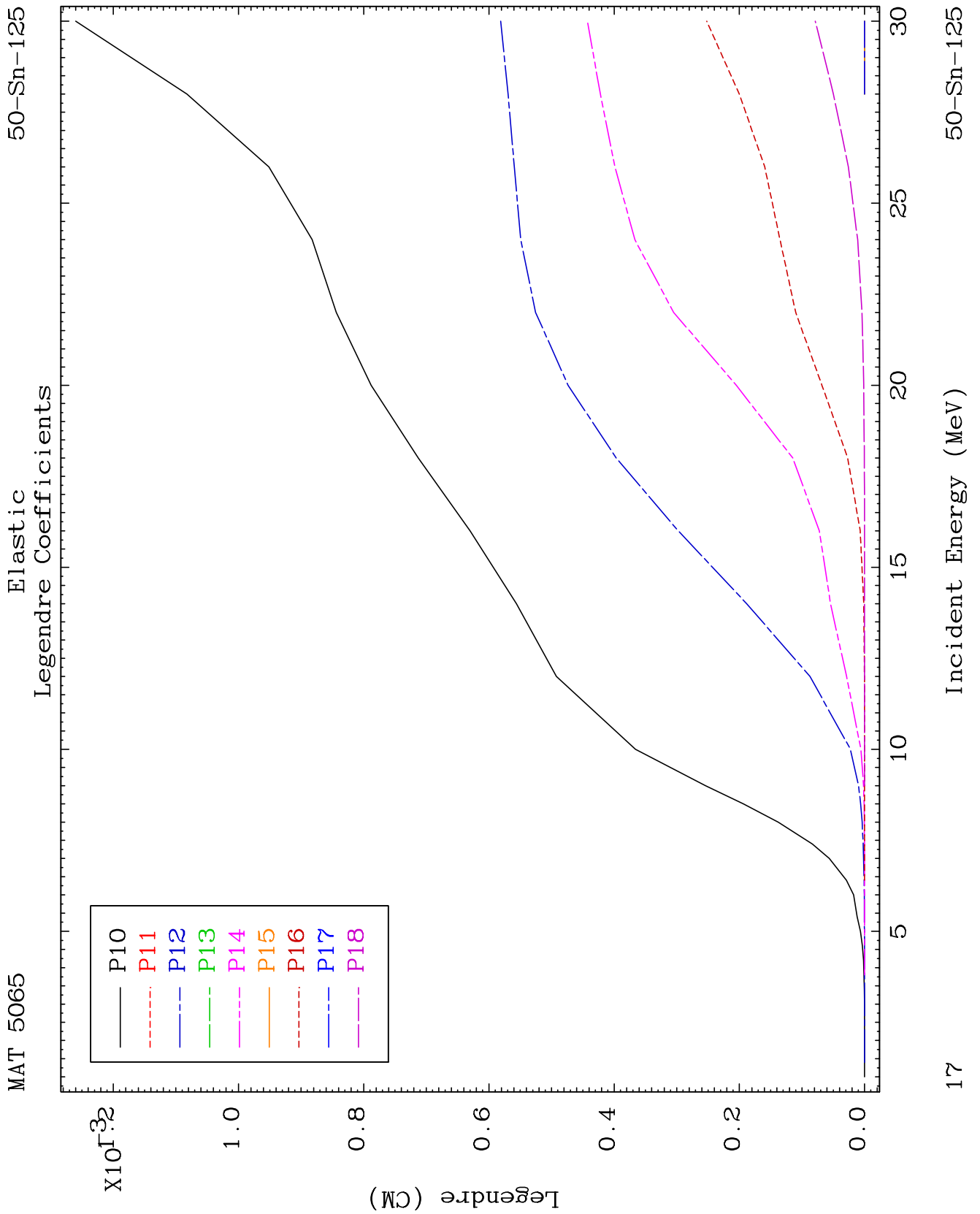
MAT 5065

(n, α) Levels
293 Kelvin Cross Sections

50-Sn-125



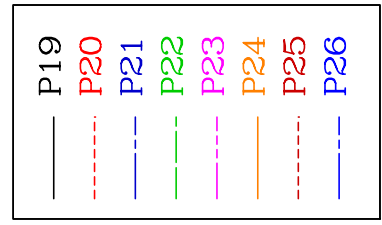




MAT 5065

Elastic
Legendre Coefficients

50-Sn-125



$\times 10^{-6}$

Legendre (CM)



18

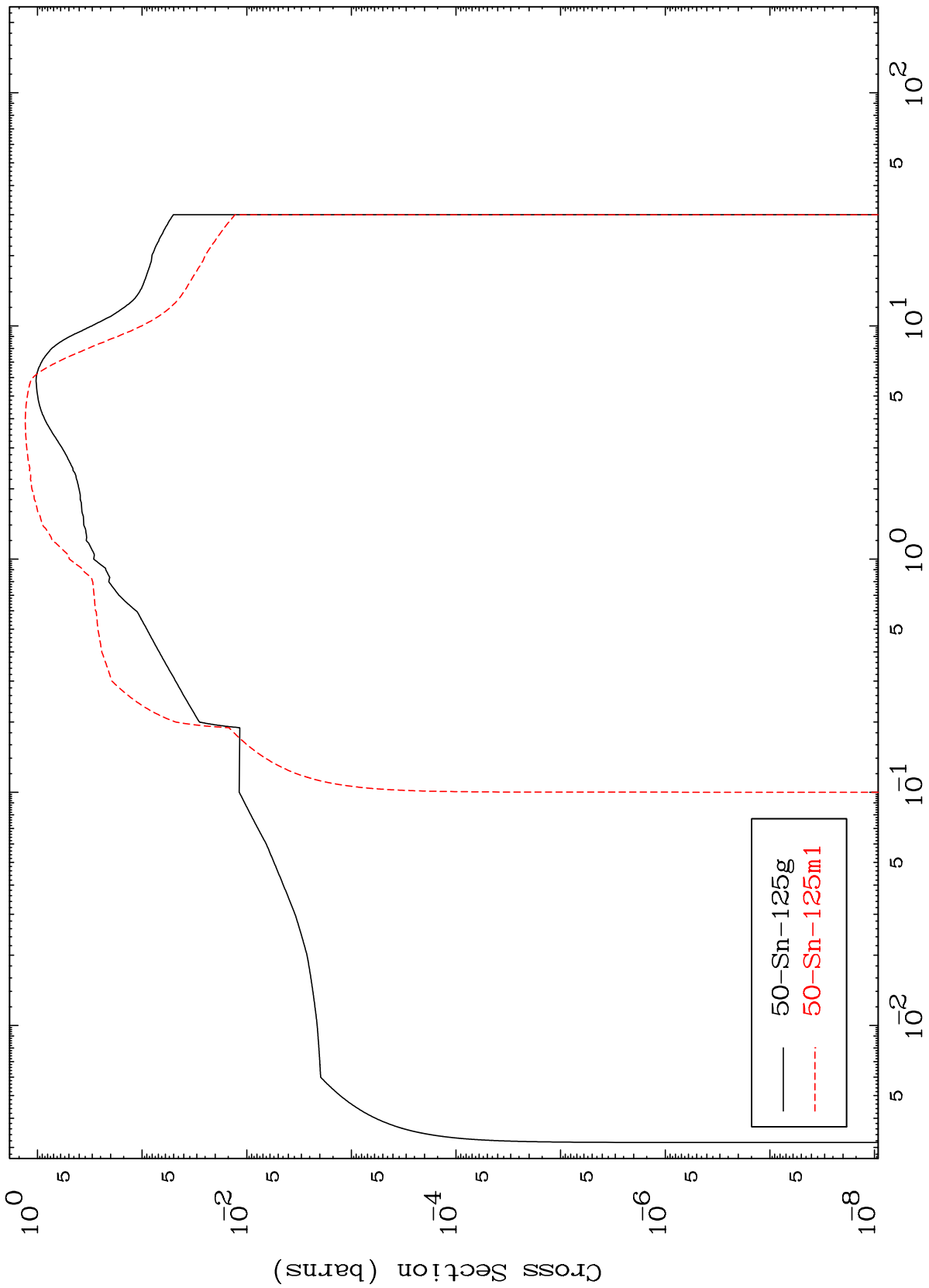
Incident Energy (MeV)

50-Sn-125

MAT 5065

50-Sn-125

Inelastic
Radionuclide Production Cross Section

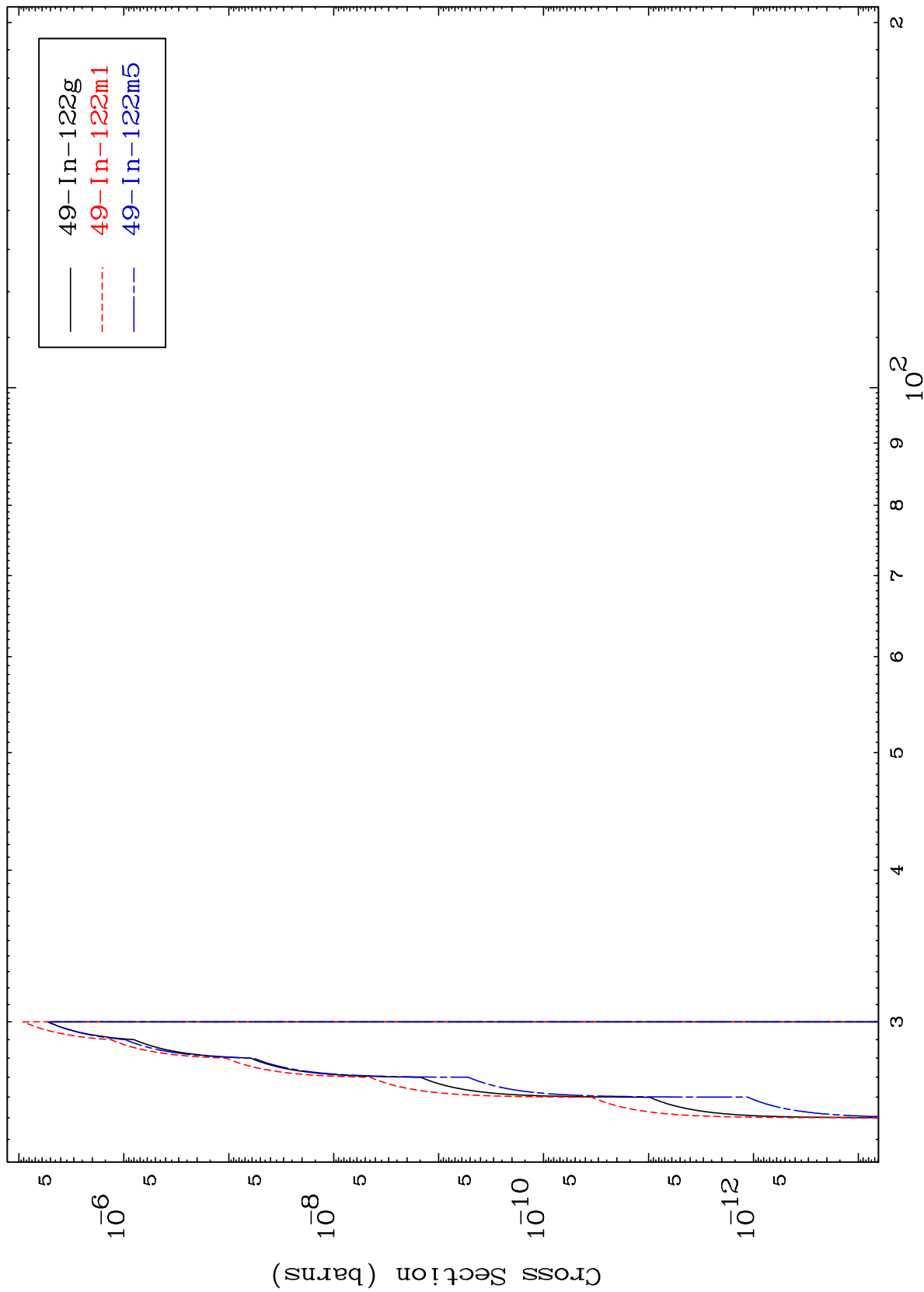


MAT 5065

(n,2n) d

50-Sn-125

Radionuclide Production Cross Section



20

Incident Energy (MeV)

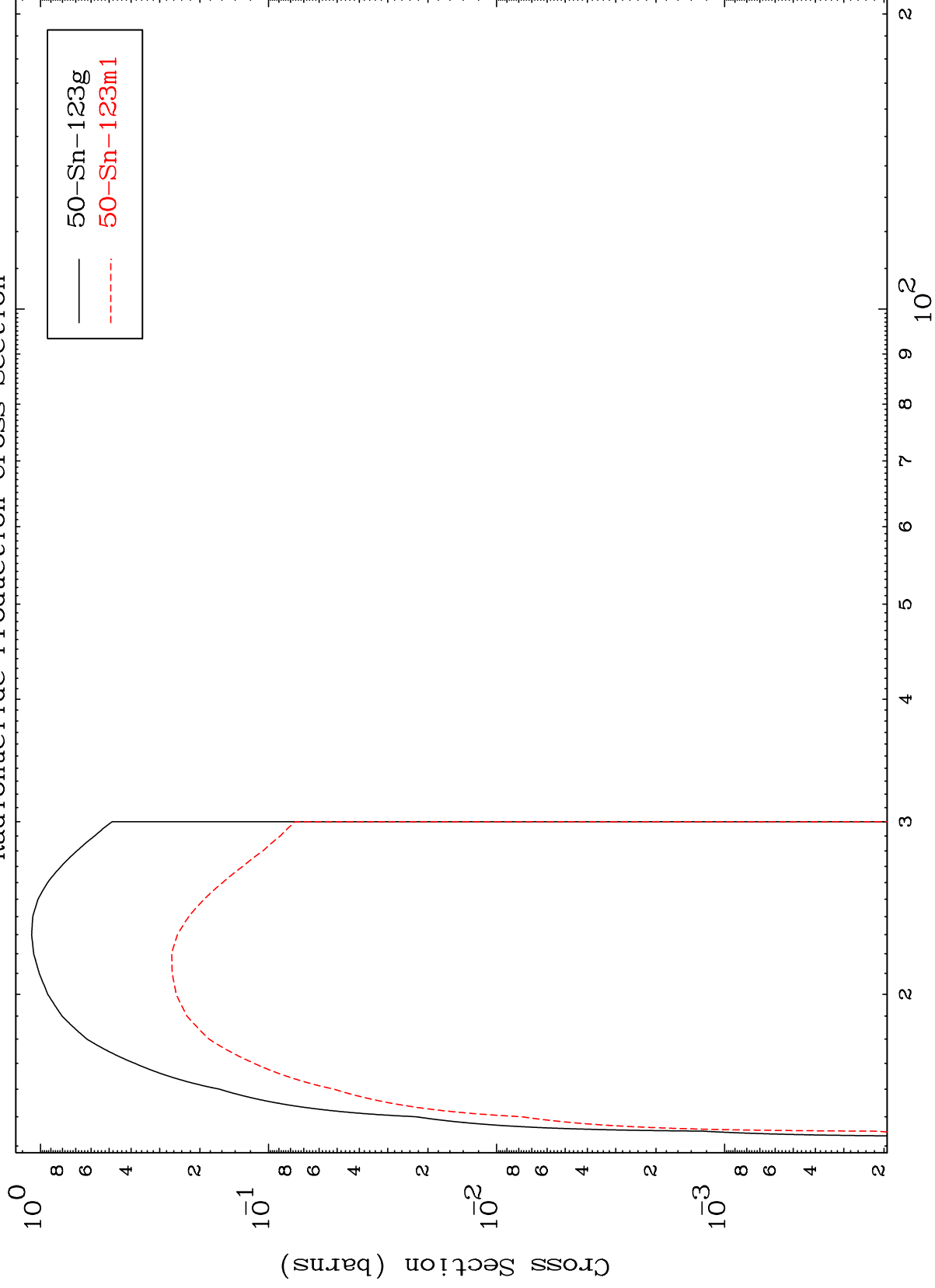
50-Sn-125

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(n,3n)

50-Sn-125

Radionuclide Production Cross Section



21

Incident Energy (MeV)

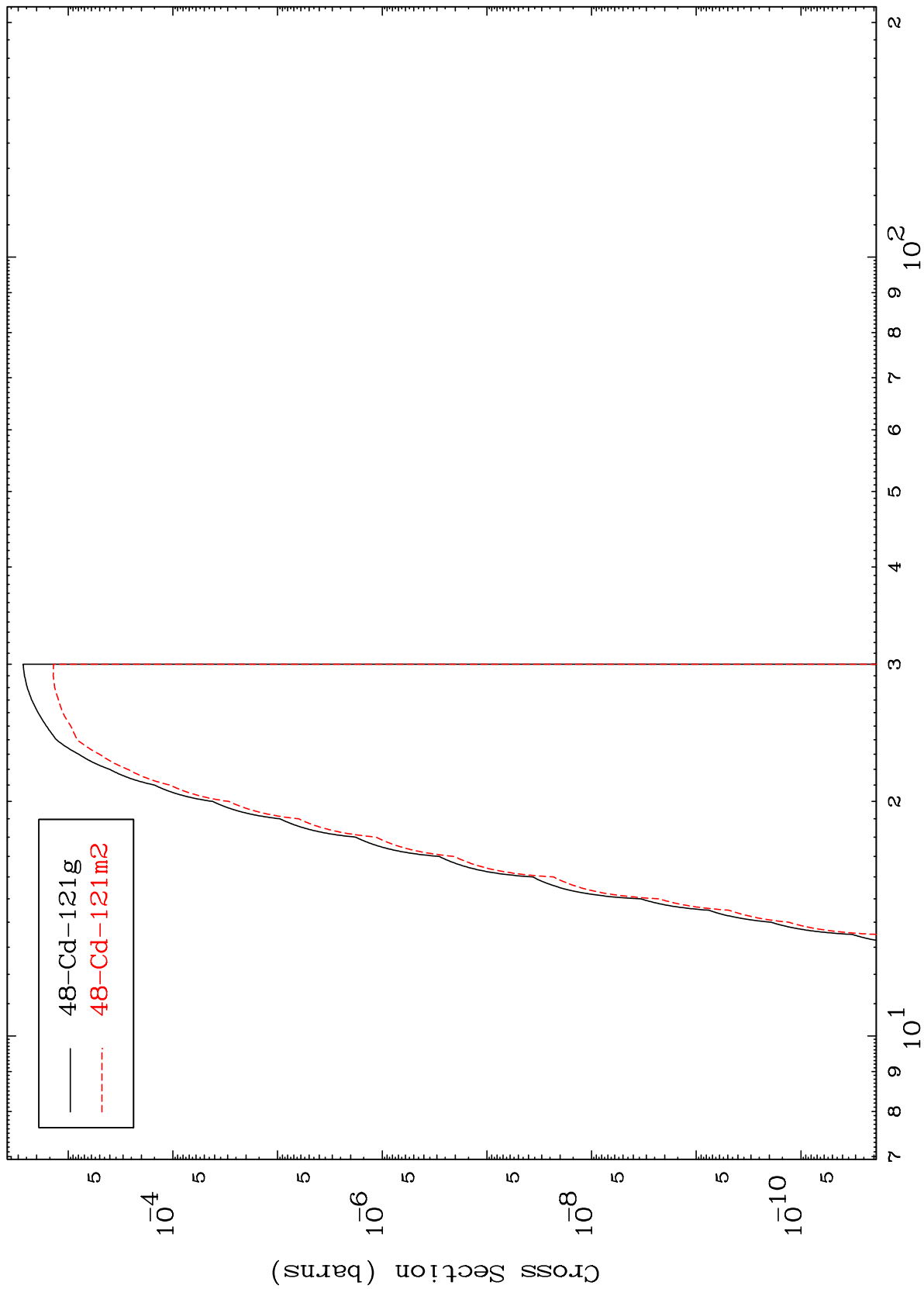
50-Sn-125

MAT 5065

(n,n') α

50-Sn-125

Radionuclide Production Cross Section

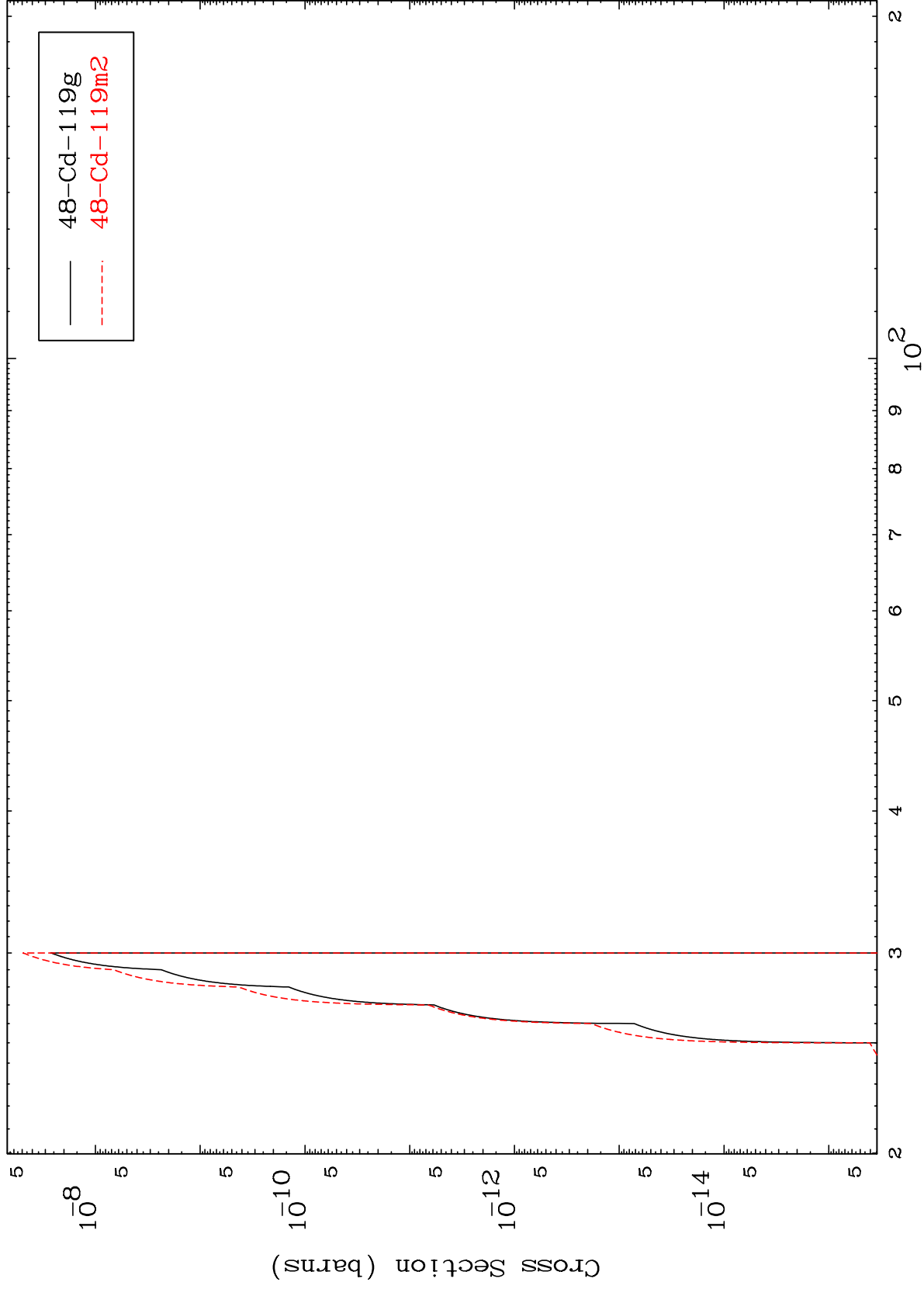


MAT 5065

(n,3n) α

50-Sn-125

Radionuclide Production Cross Section



23

Incident Energy (MeV)

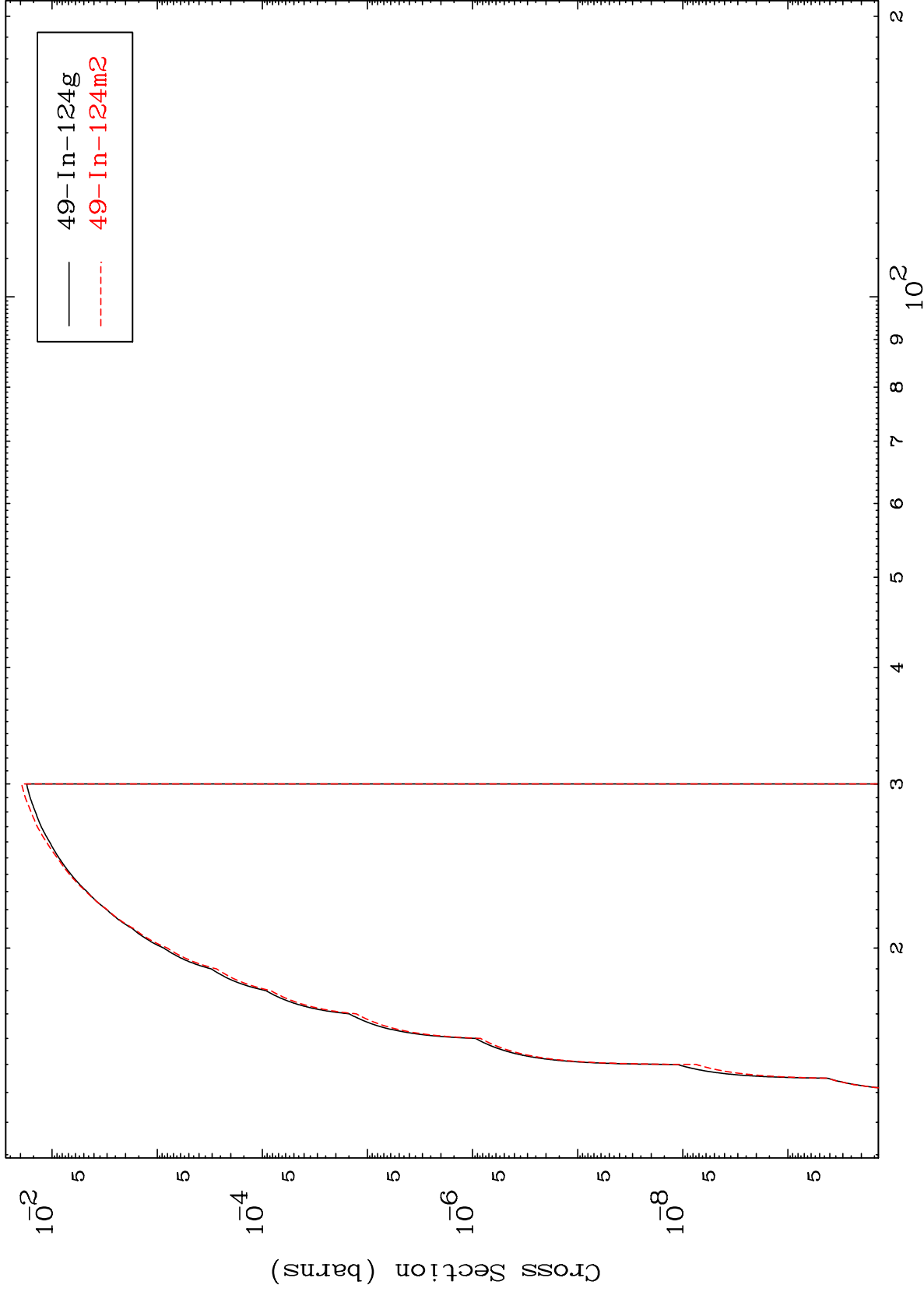
50-Sn-125

MAT 5065

(n,n') p

50-Sn-125

Radionuclide Production Cross Section



24

Incident Energy (MeV)

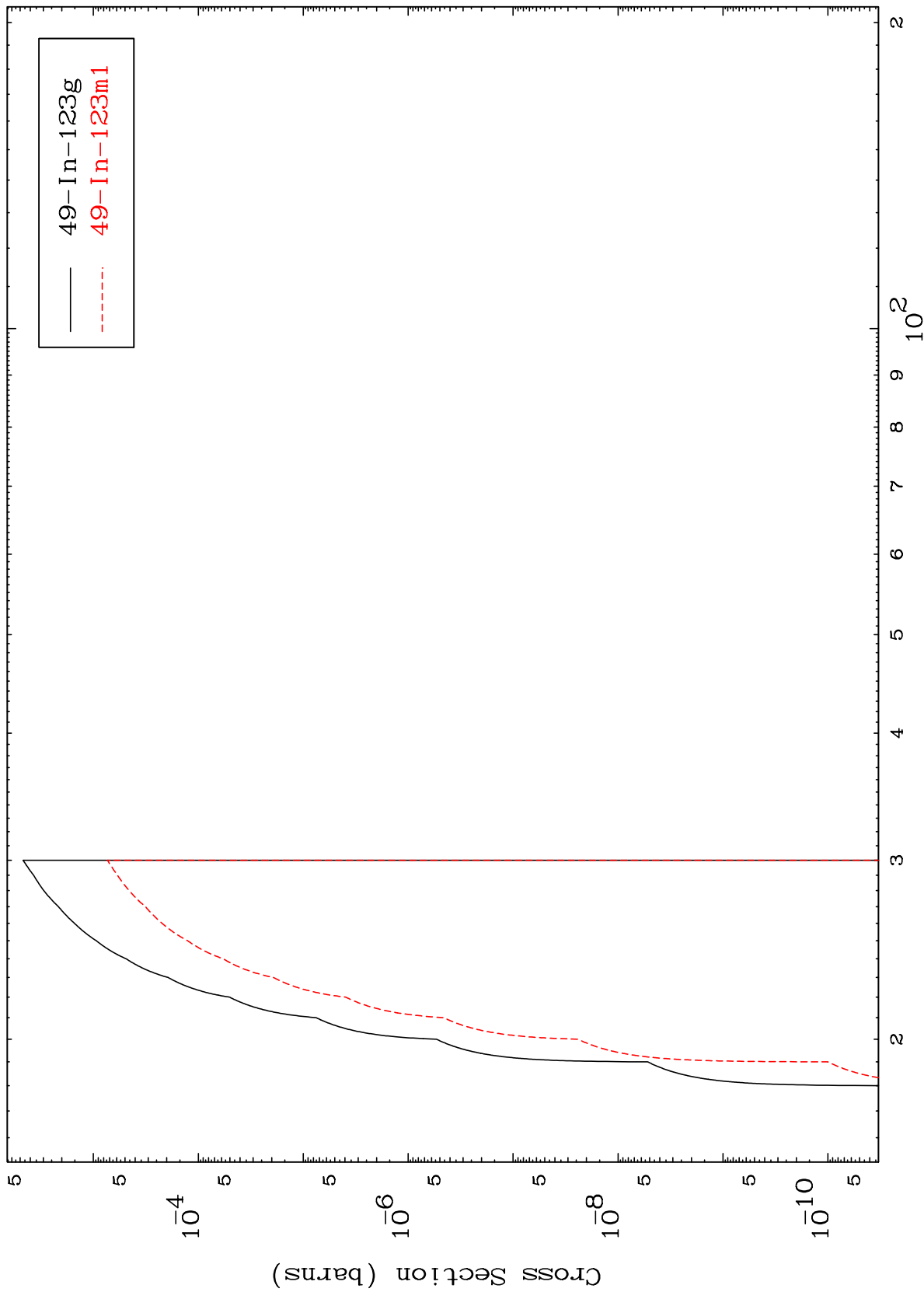
50-Sn-125

MAT 5065

(n,n') d

50-Sn-125

Radionuclide Production Cross Section

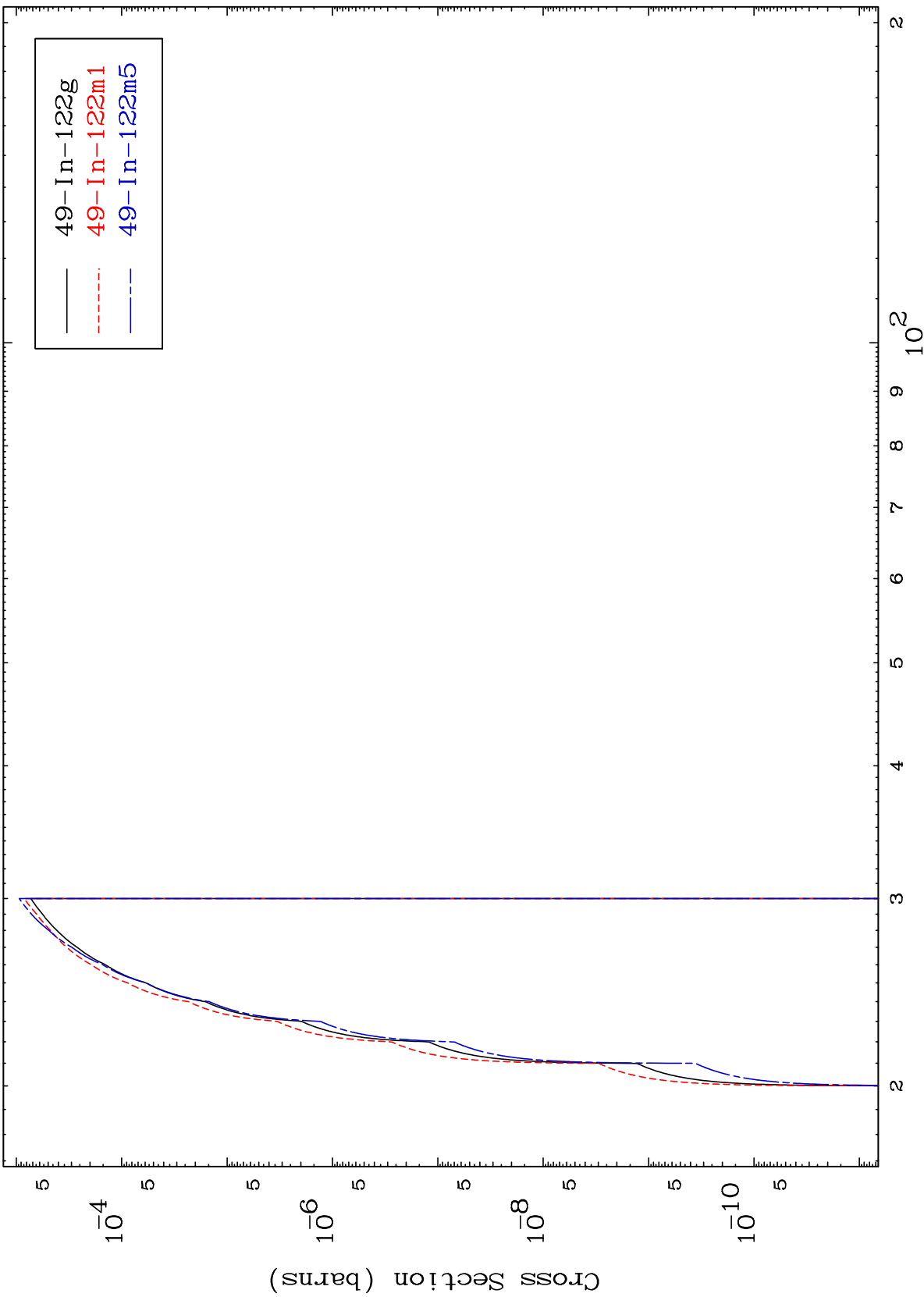


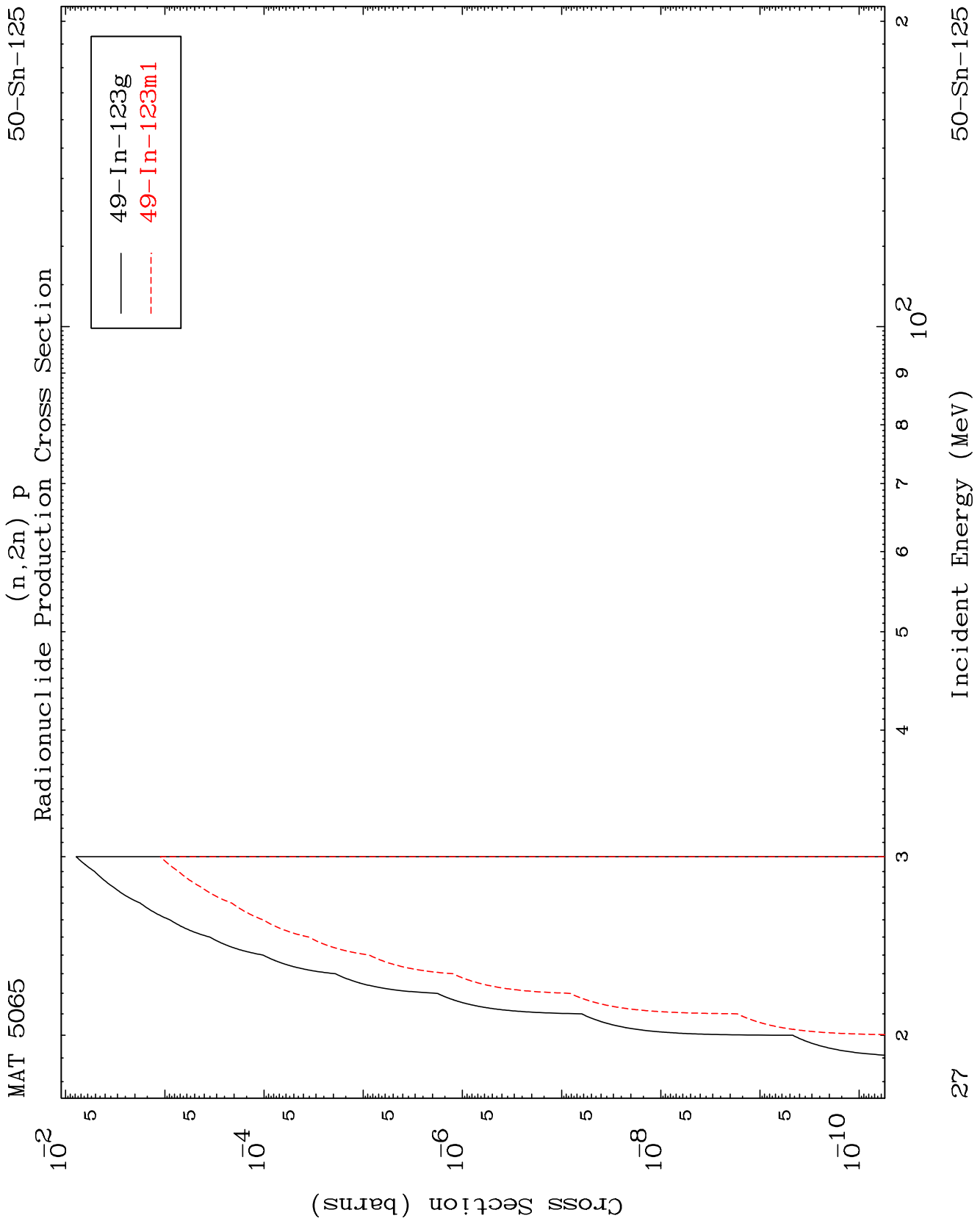
25

Incident Energy (MeV)

50-Sn-125

Radionuclide Production Cross Section



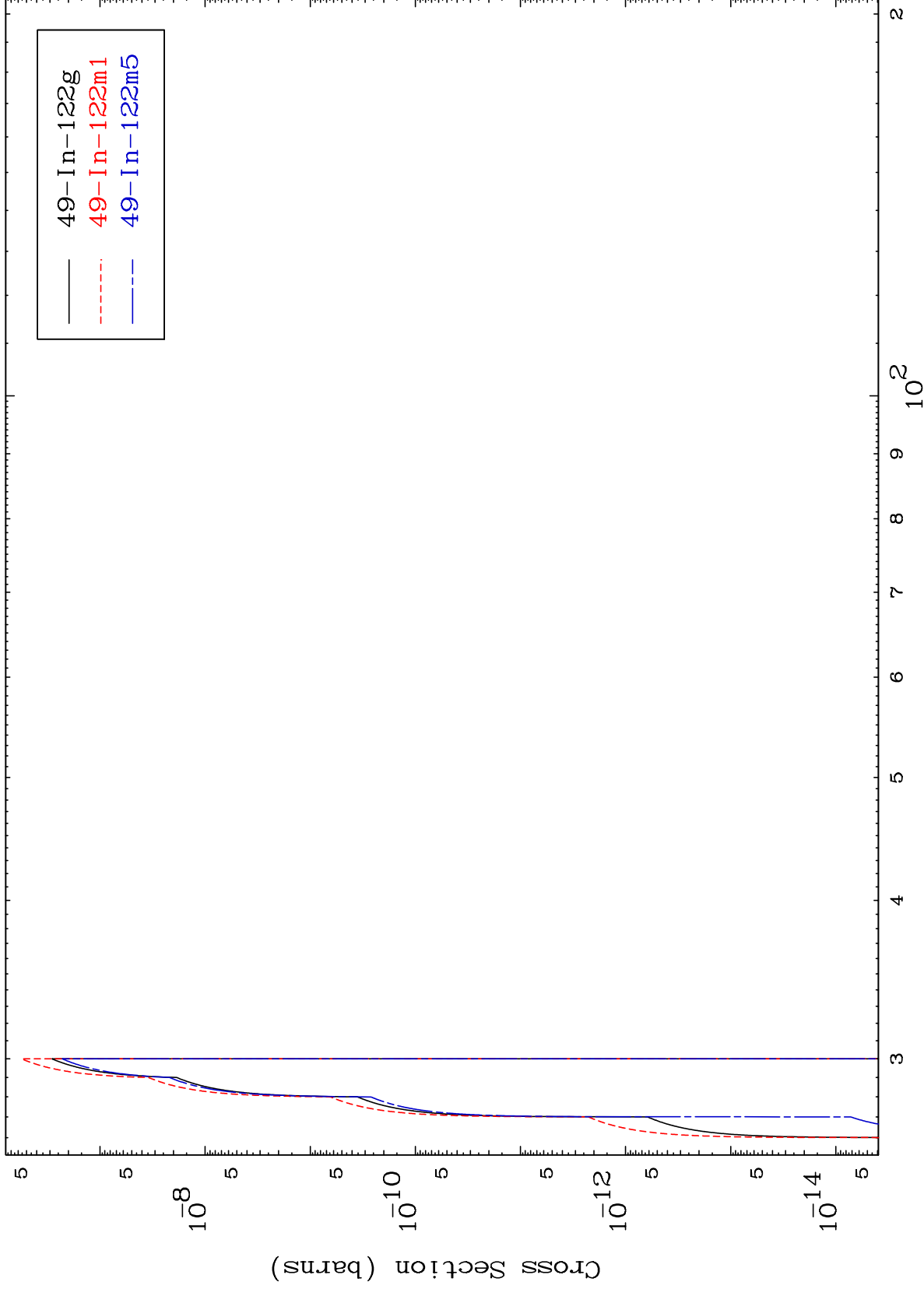


MAT 5065

(n,3n) p

50-Sn-125

Radionuclide Production Cross Section



28

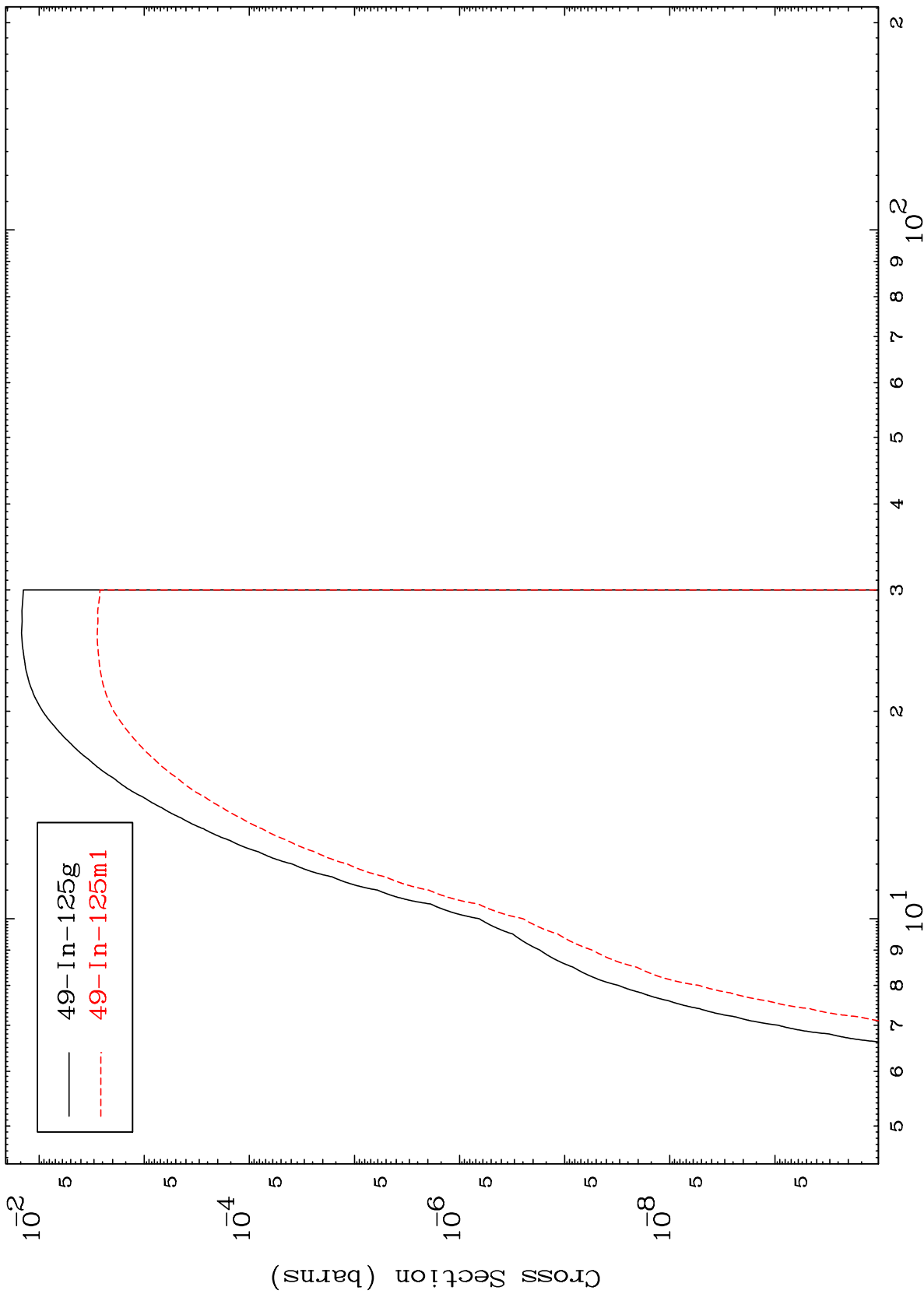
Incident Energy (MeV)

50-Sn-125

MAT 5065

50-Sn-125

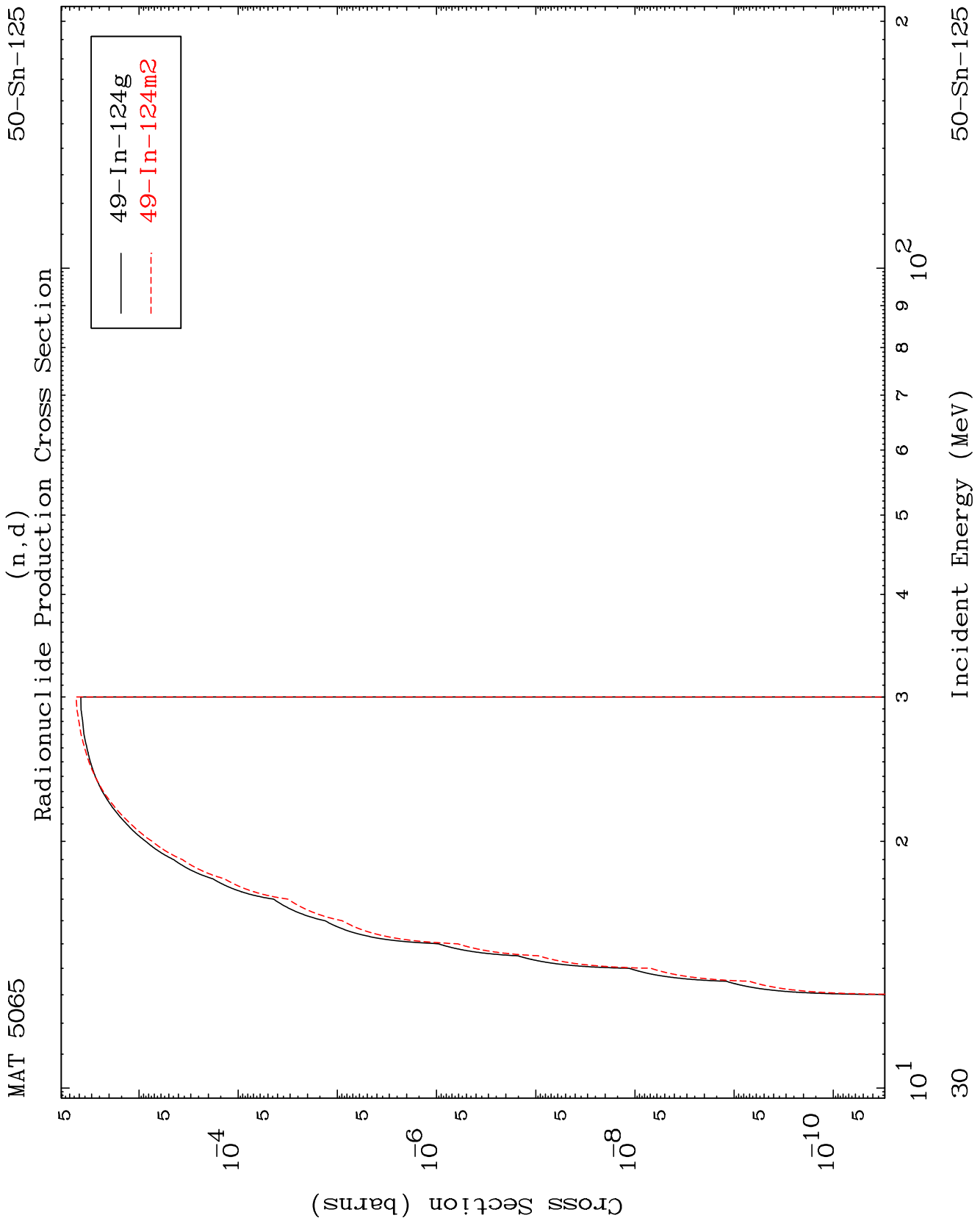
(n,p)
Radionuclide Production Cross Section



29

Incident Energy (MeV)

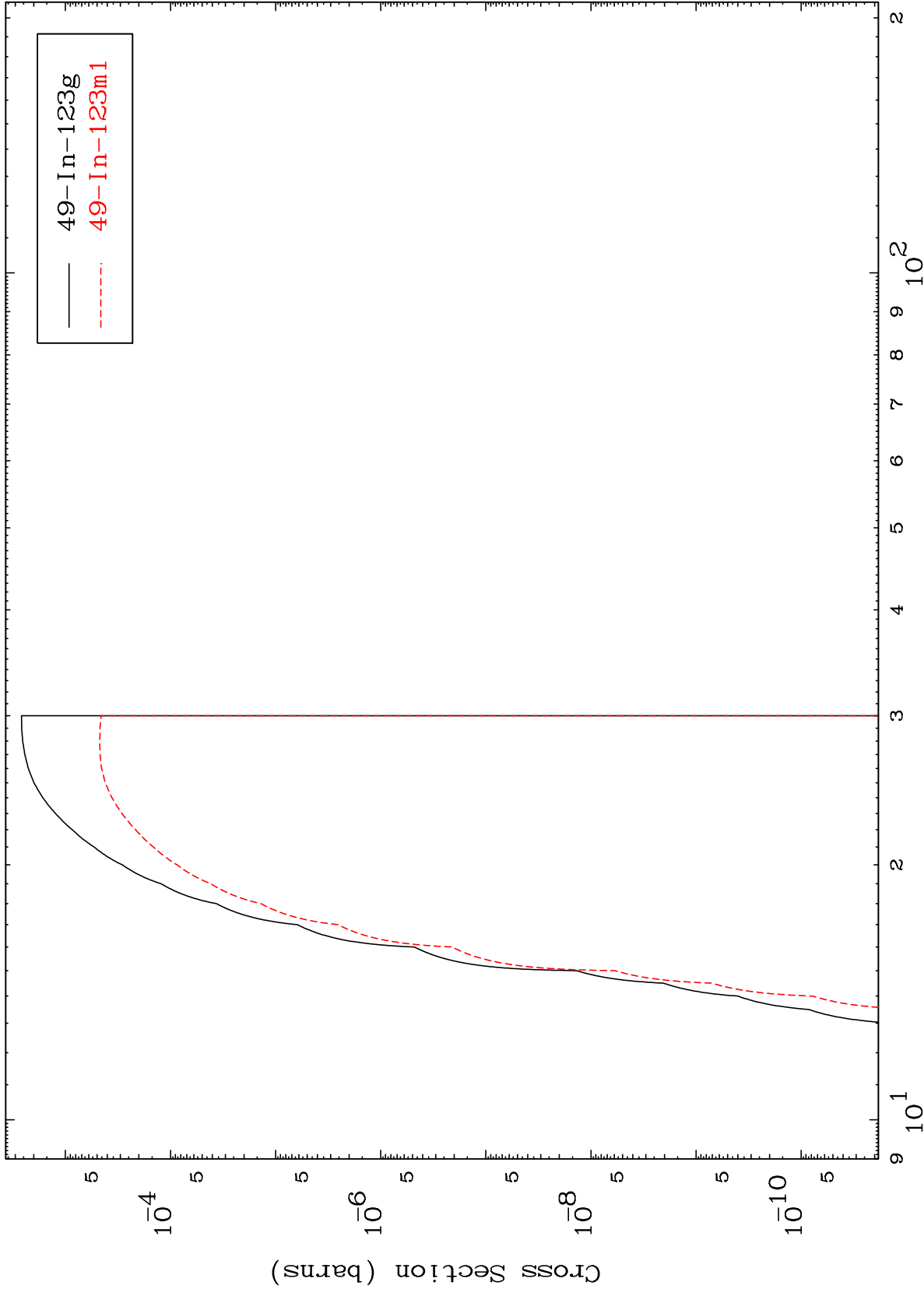
50-Sn-125



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50-Sn-125

(n,t)
Radionuclide Production Cross Section



— 49-In-123g
- - - 49-In-123m1

50-Sn-125

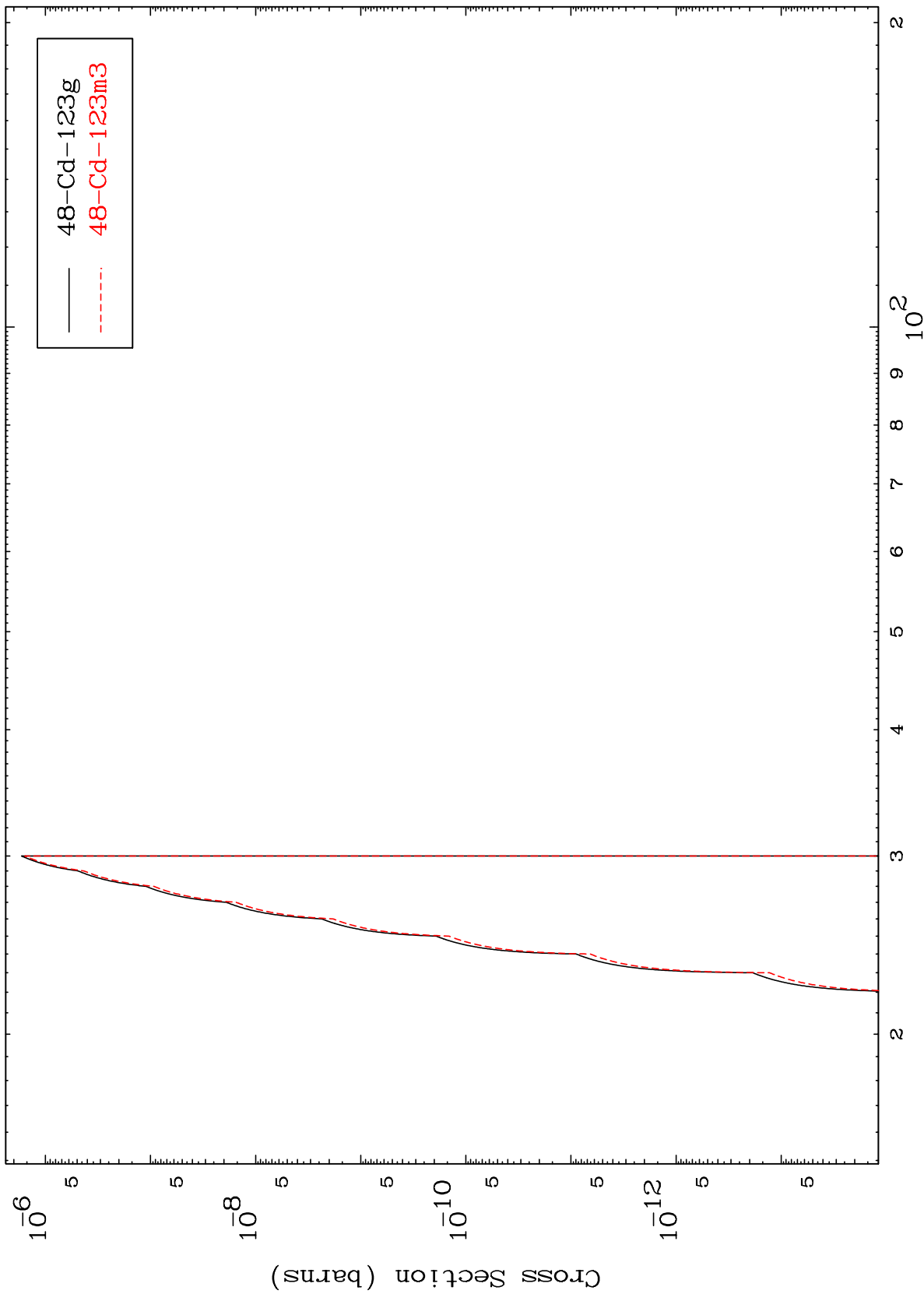
Incident Energy (MeV)

31

MAT 5065

50-Sn-125

(n,He-3)
Radionuclide Production Cross Section



32

50-Sn-125

Incident Energy (MeV)