

Program EVALPLOT
(Version 2021-1)

by

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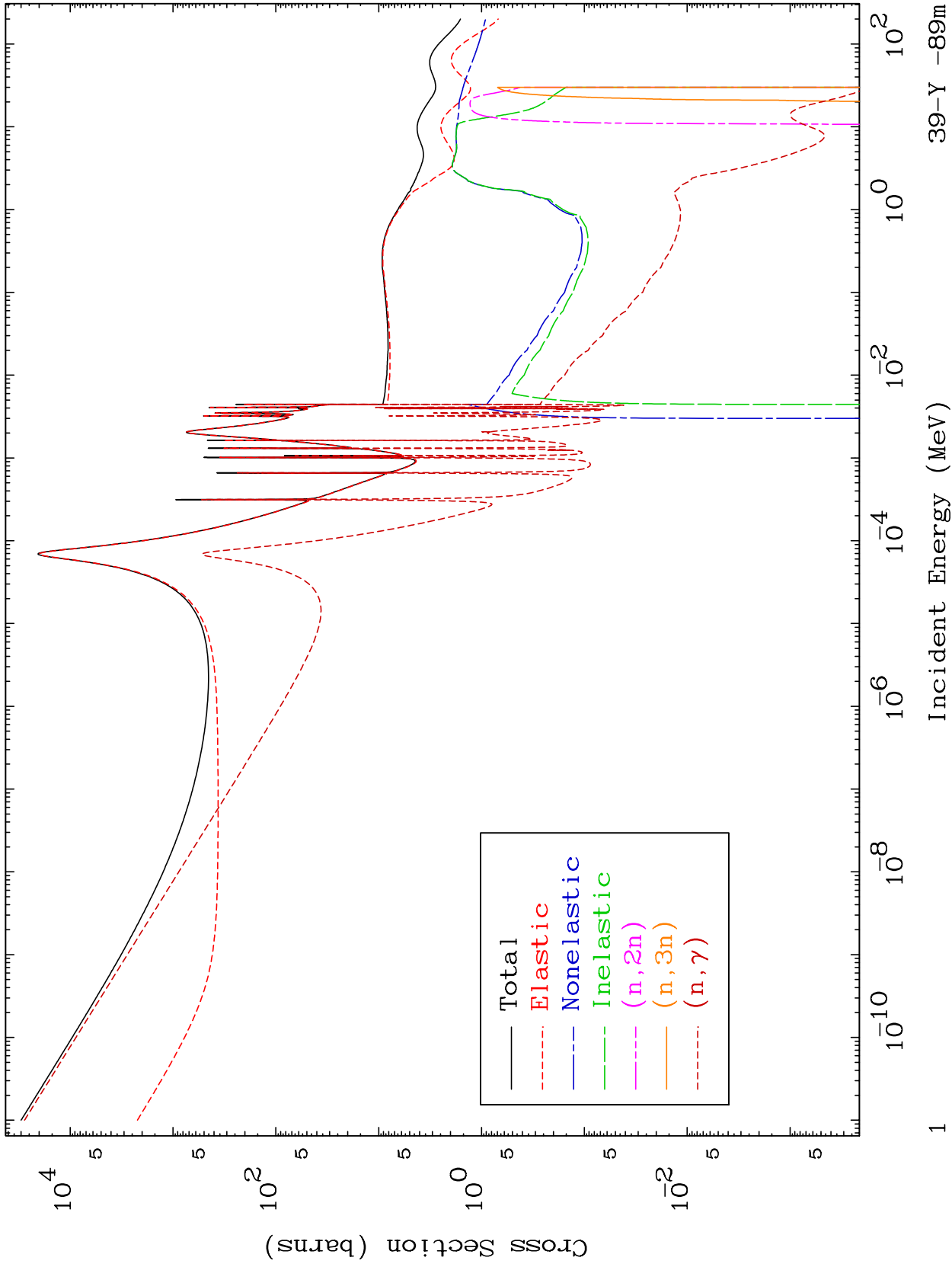
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3926

Neutron Major
293 Kelvin Cross Sections

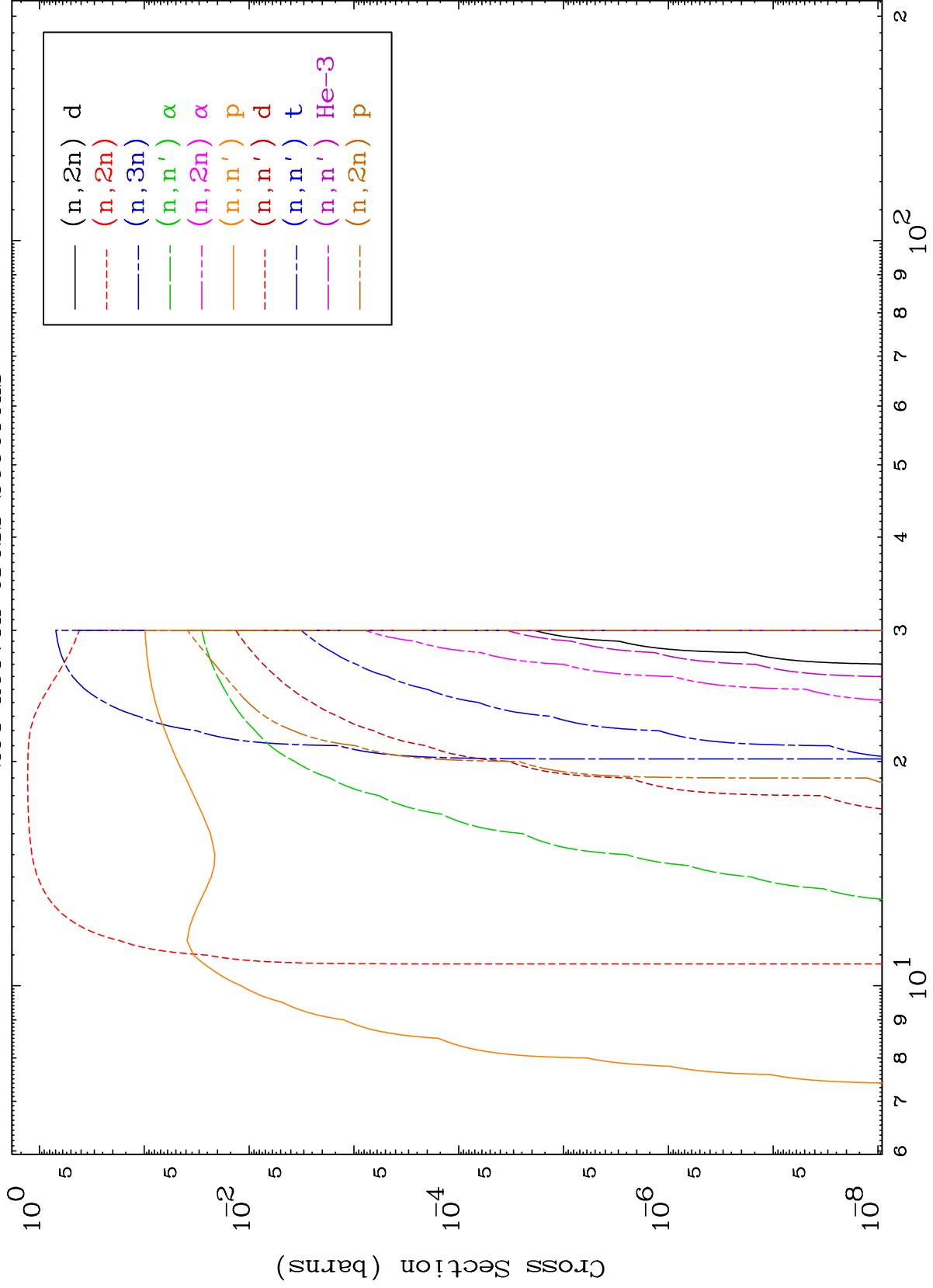
39-Y -89m



MAT 3926

Neutron Absorption
293 Kelvin Cross Sections

39-Y -89m



2

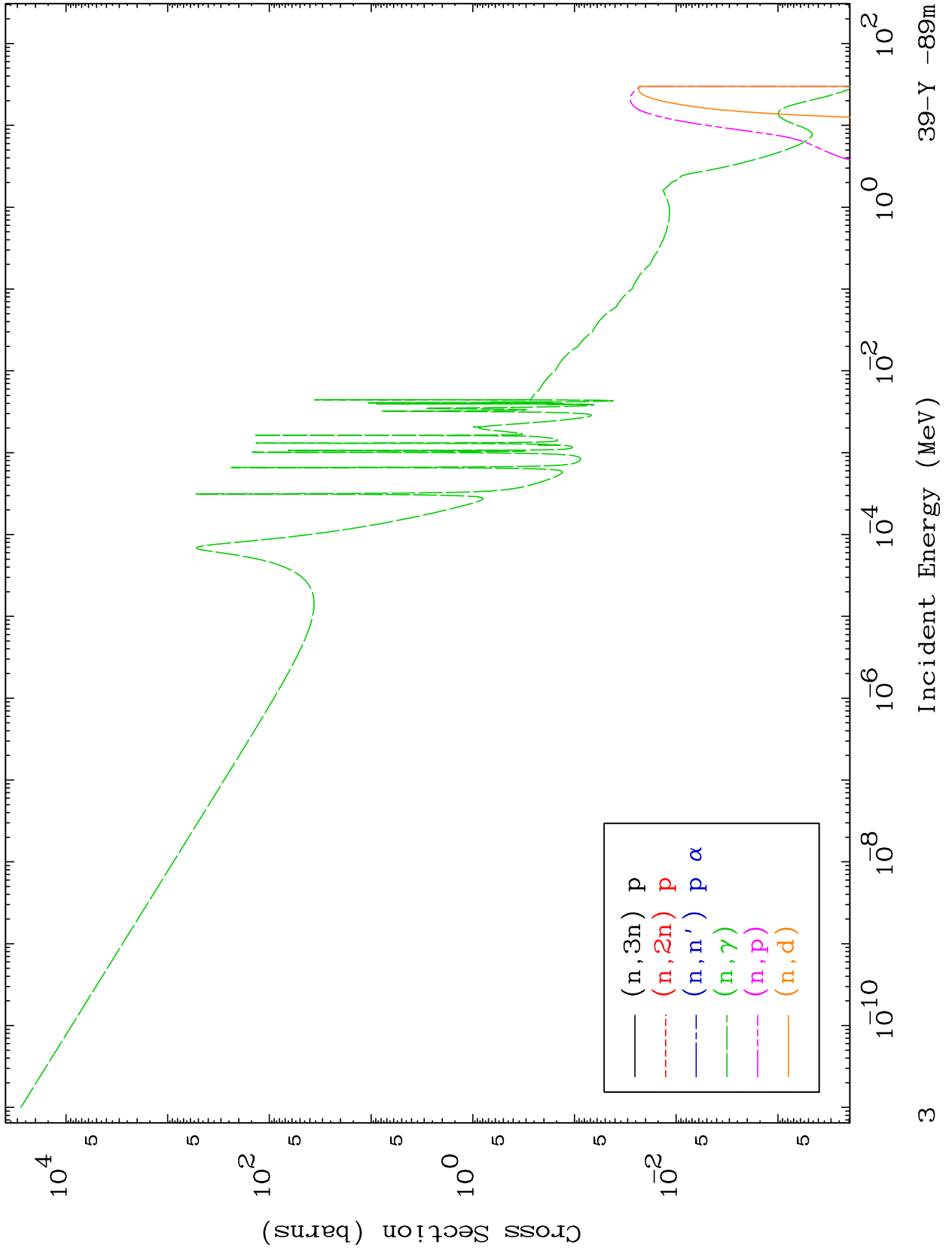
Incident Energy (MeV)

39-Y -89m

MAT 3926

Neutron Absorption
293 Kelvin Cross Sections

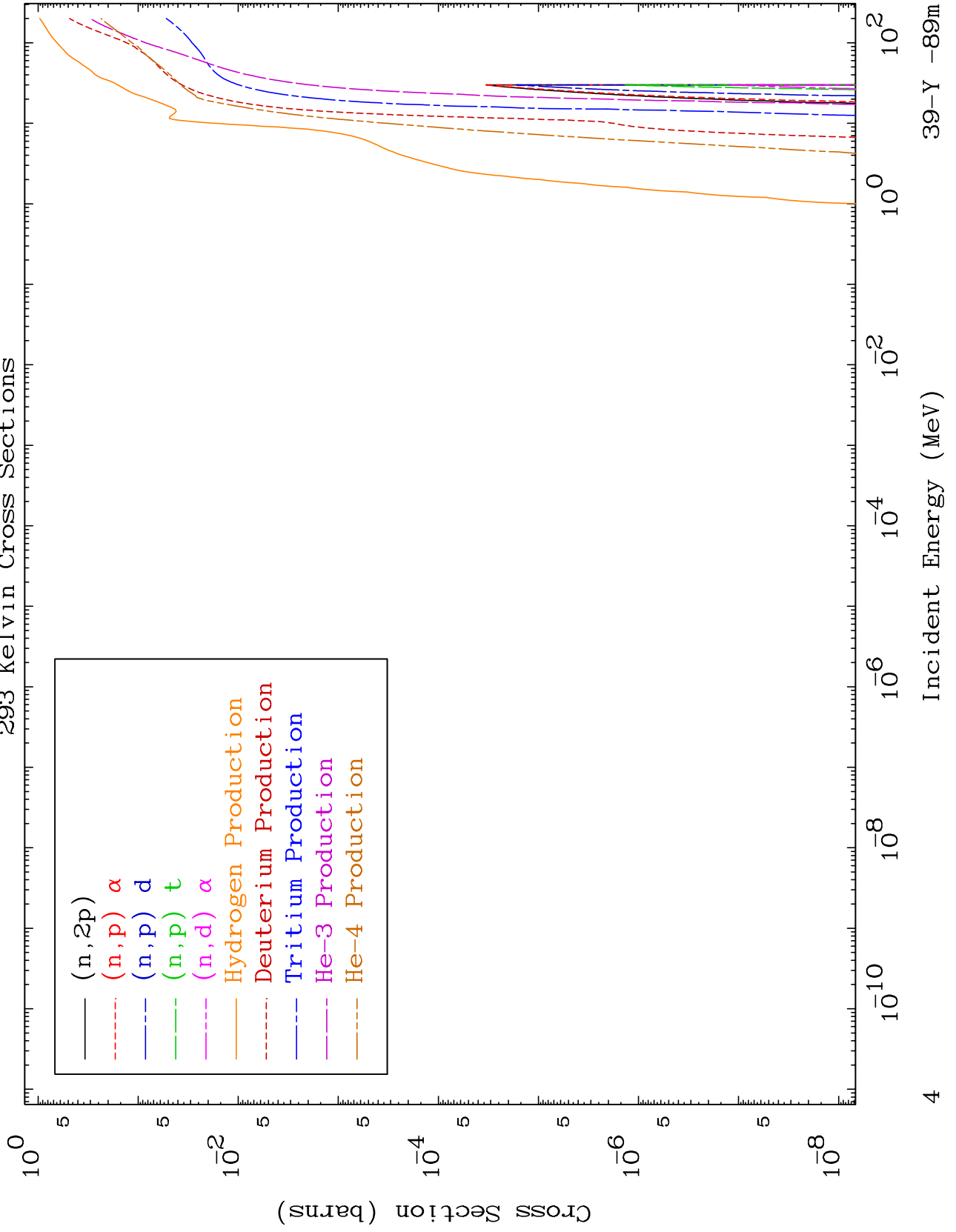
39-Y -89m



MAT 3926

Neutron Absorption
293 Kelvin Cross Sections

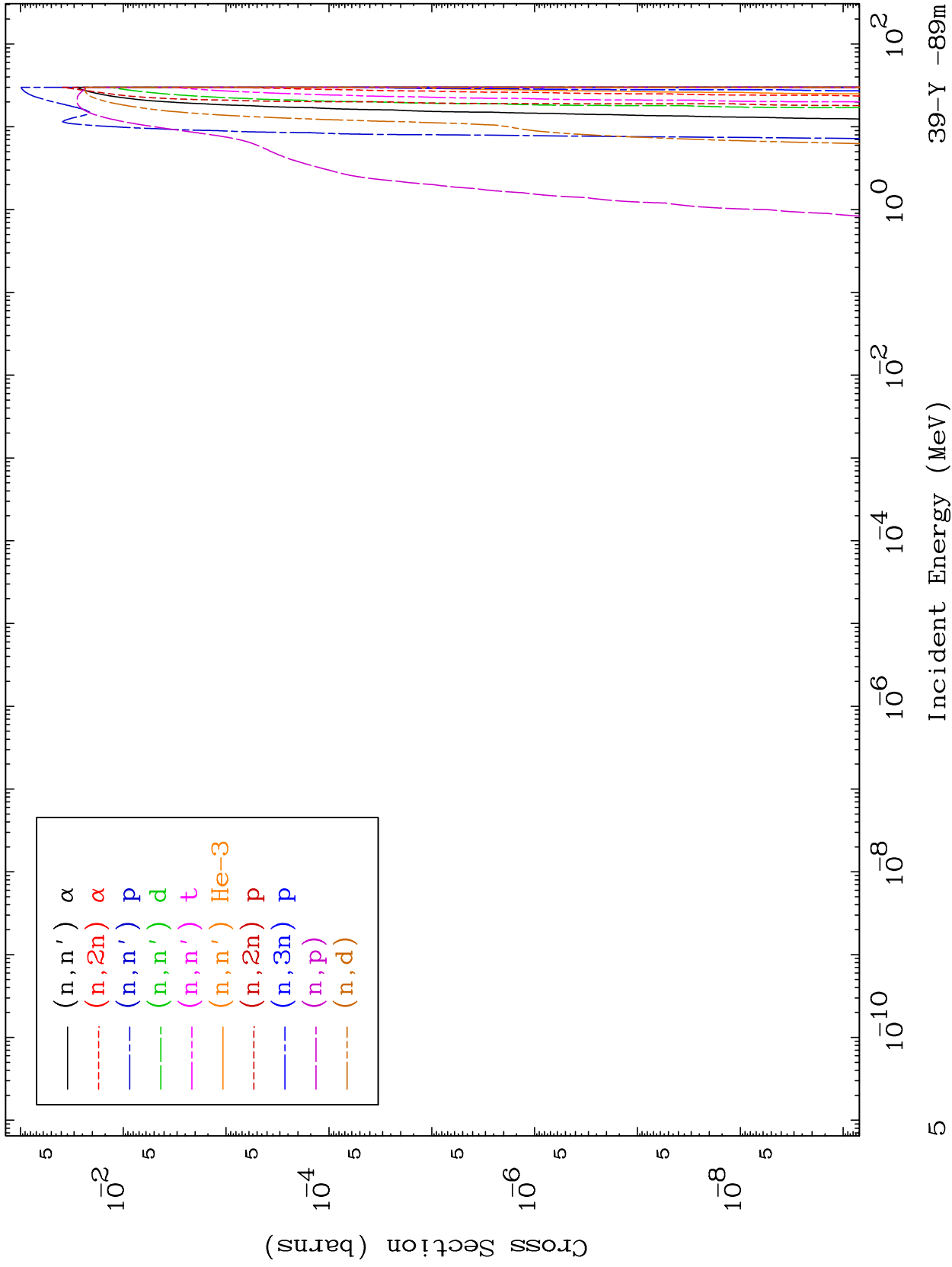
39-Y -89m



MAT 3926

Charged Particle
293 Kelvin Cross Sections

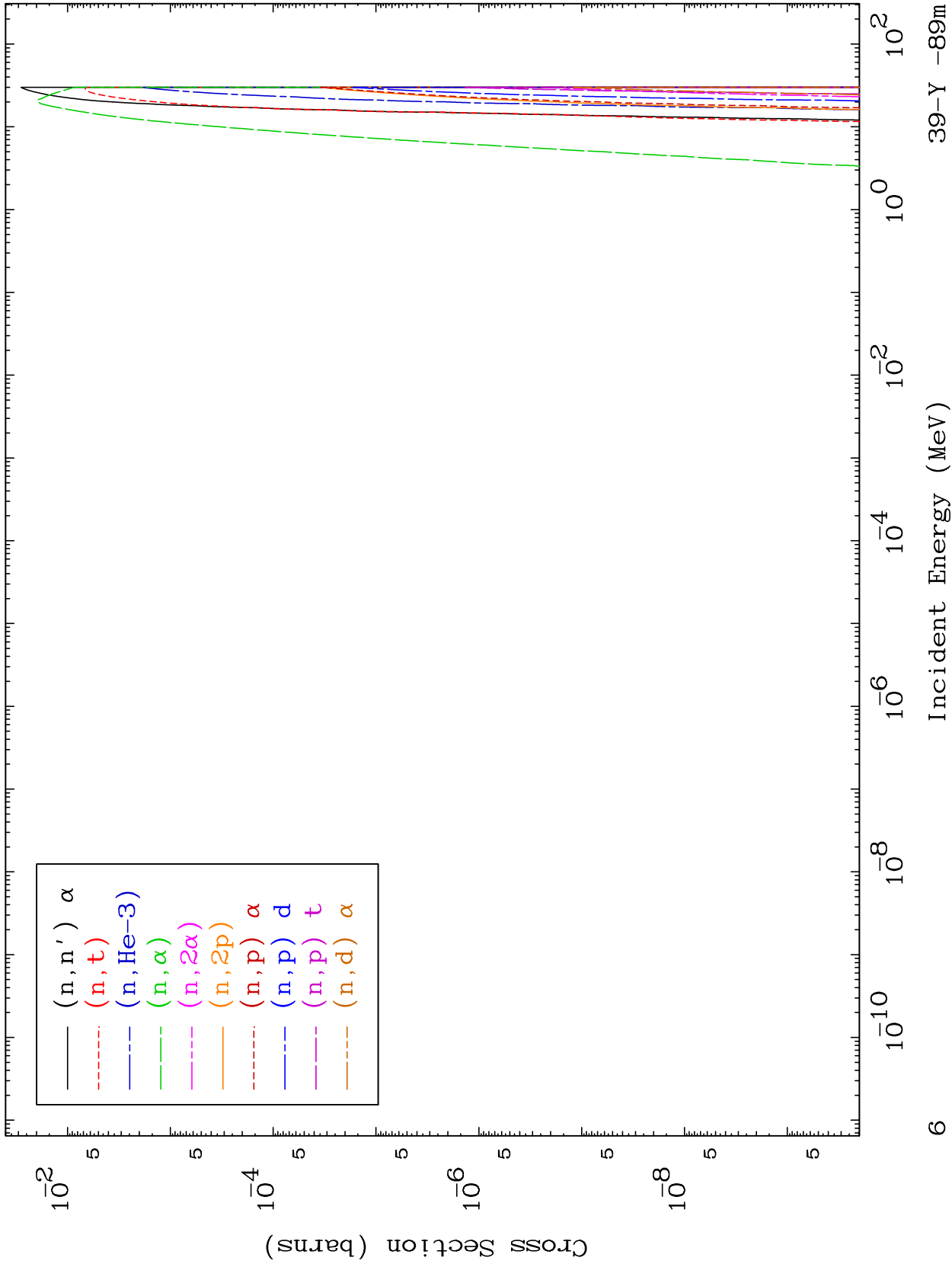
39-Y -89m



MAT 3926

Charged Particle
293 Kelvin Cross Sections

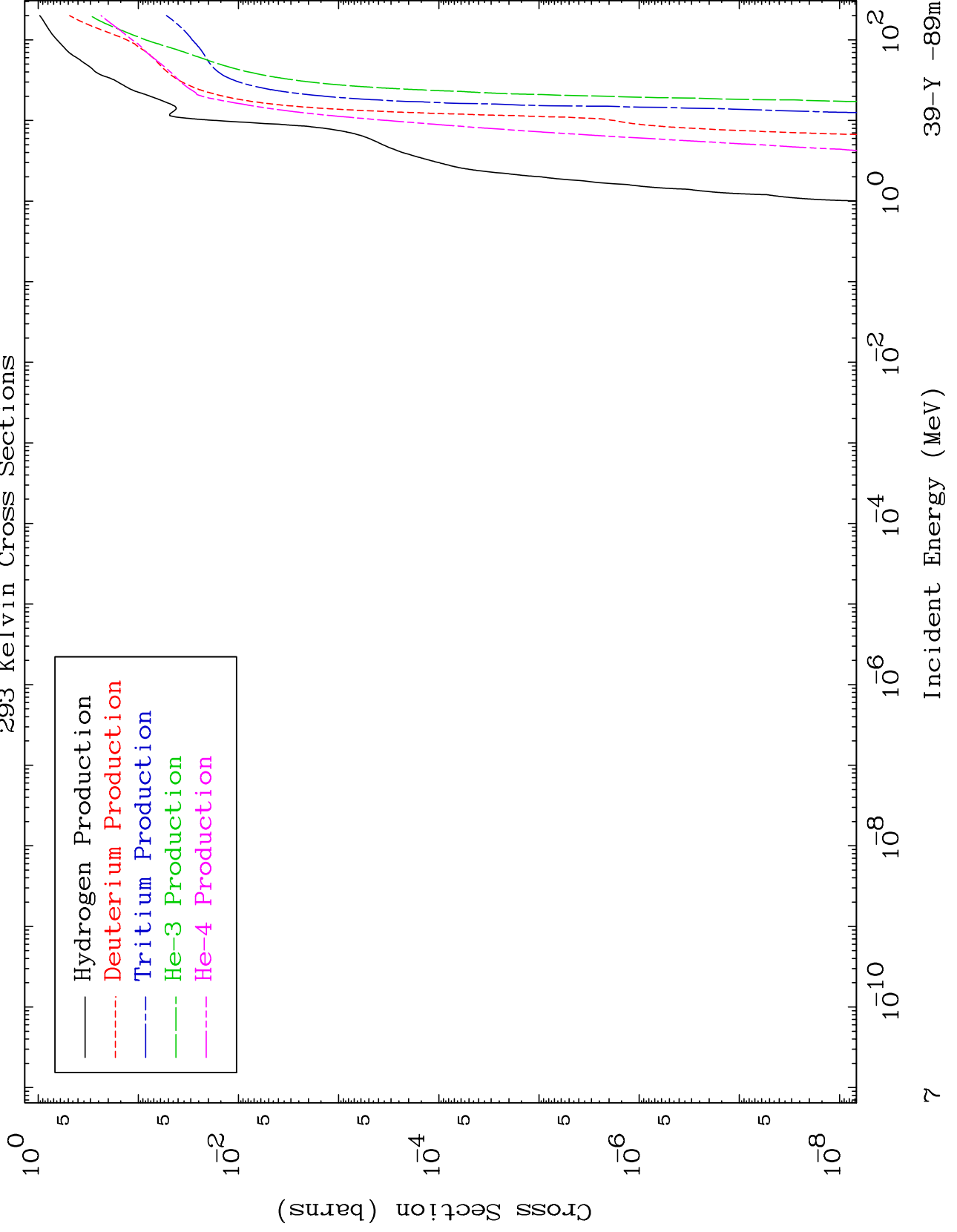
39-Y -89m



MAT 3926

Particle Production
293 Kelvin Cross Sections

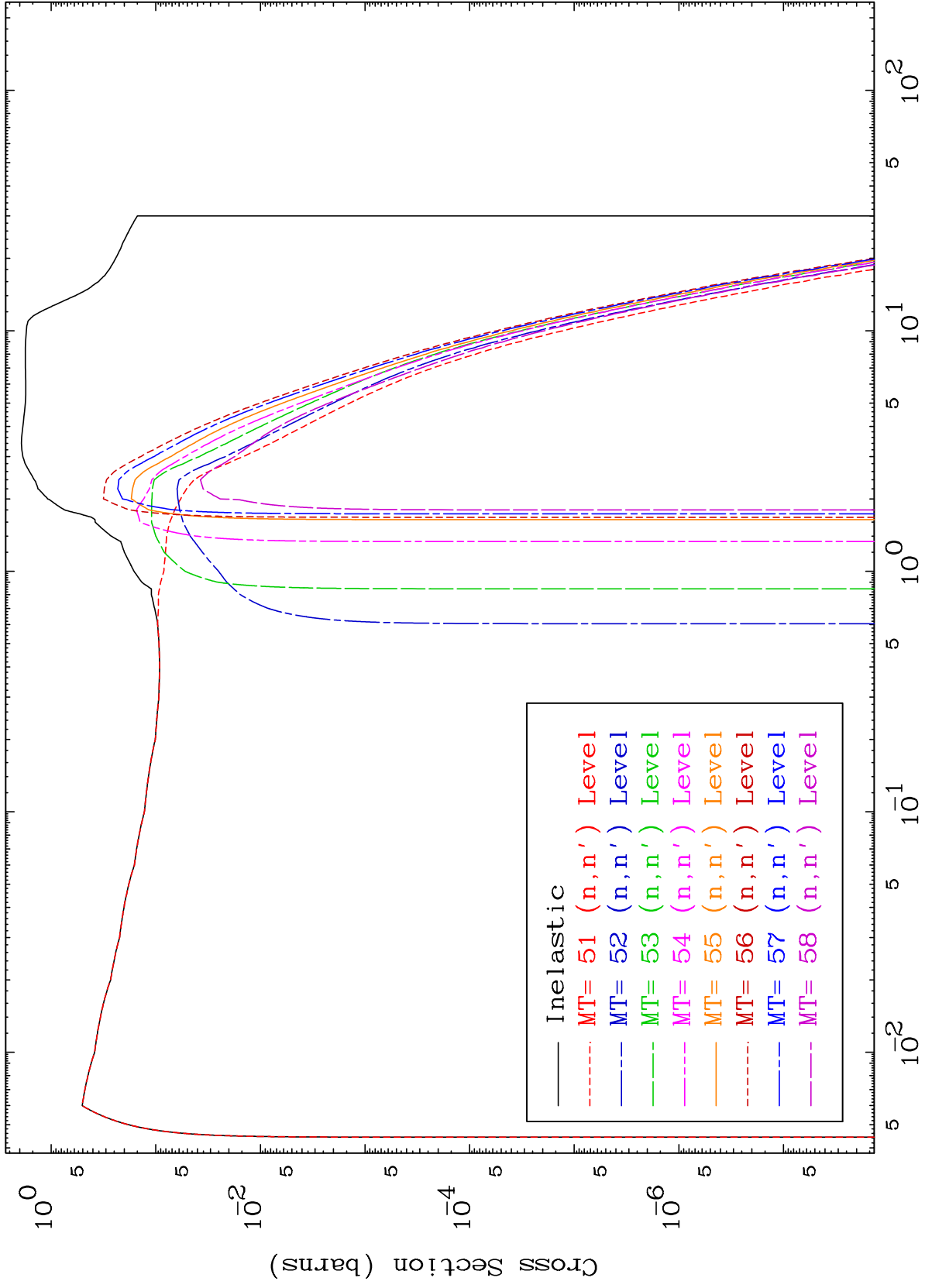
39-Y -89m



MAT 3926

(n,n') Levels
293 Kelvin Cross Sections

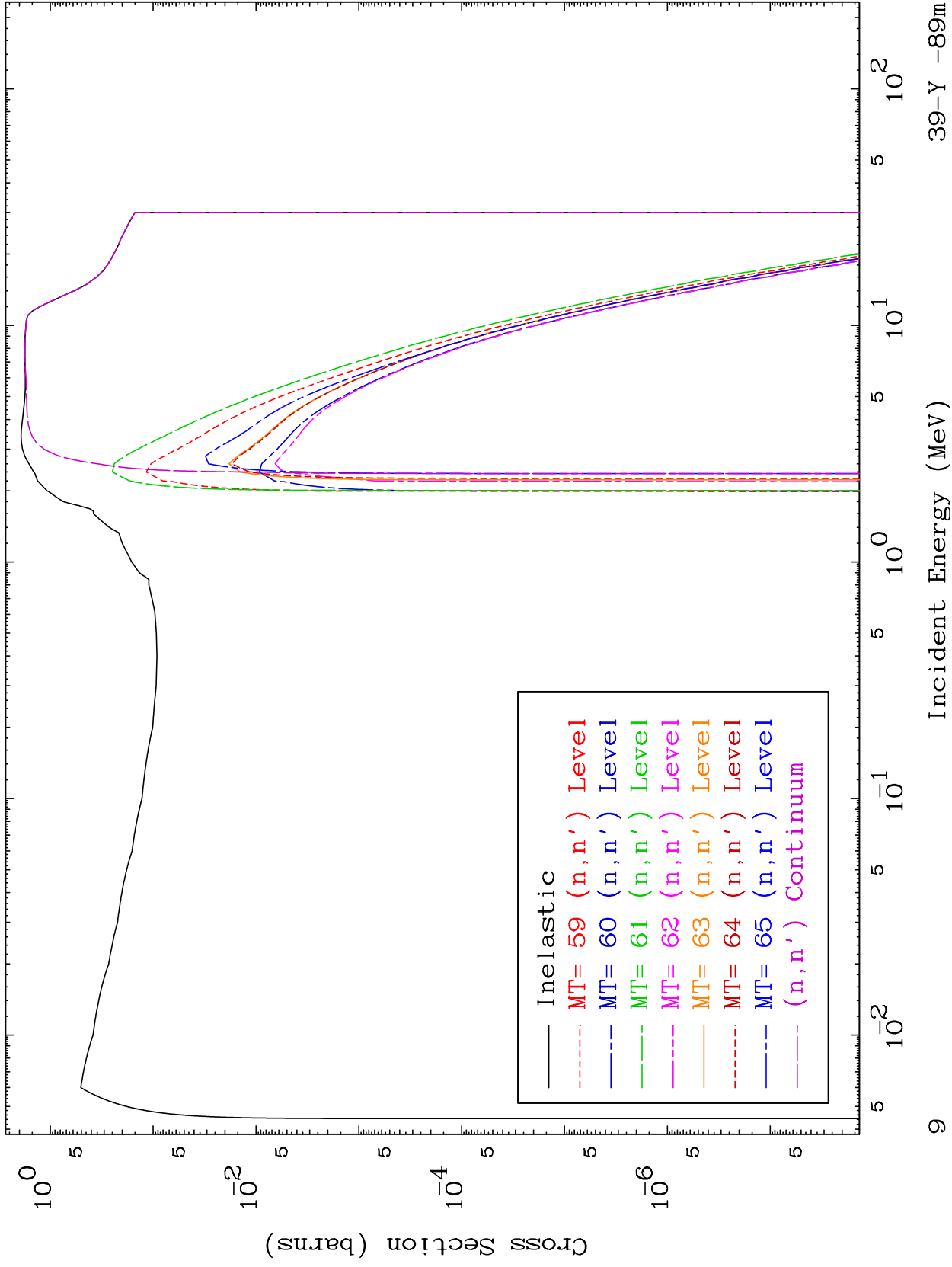
39-Y -89m



MAT 3926

(n,n') Levels
293 Kelvin Cross Sections

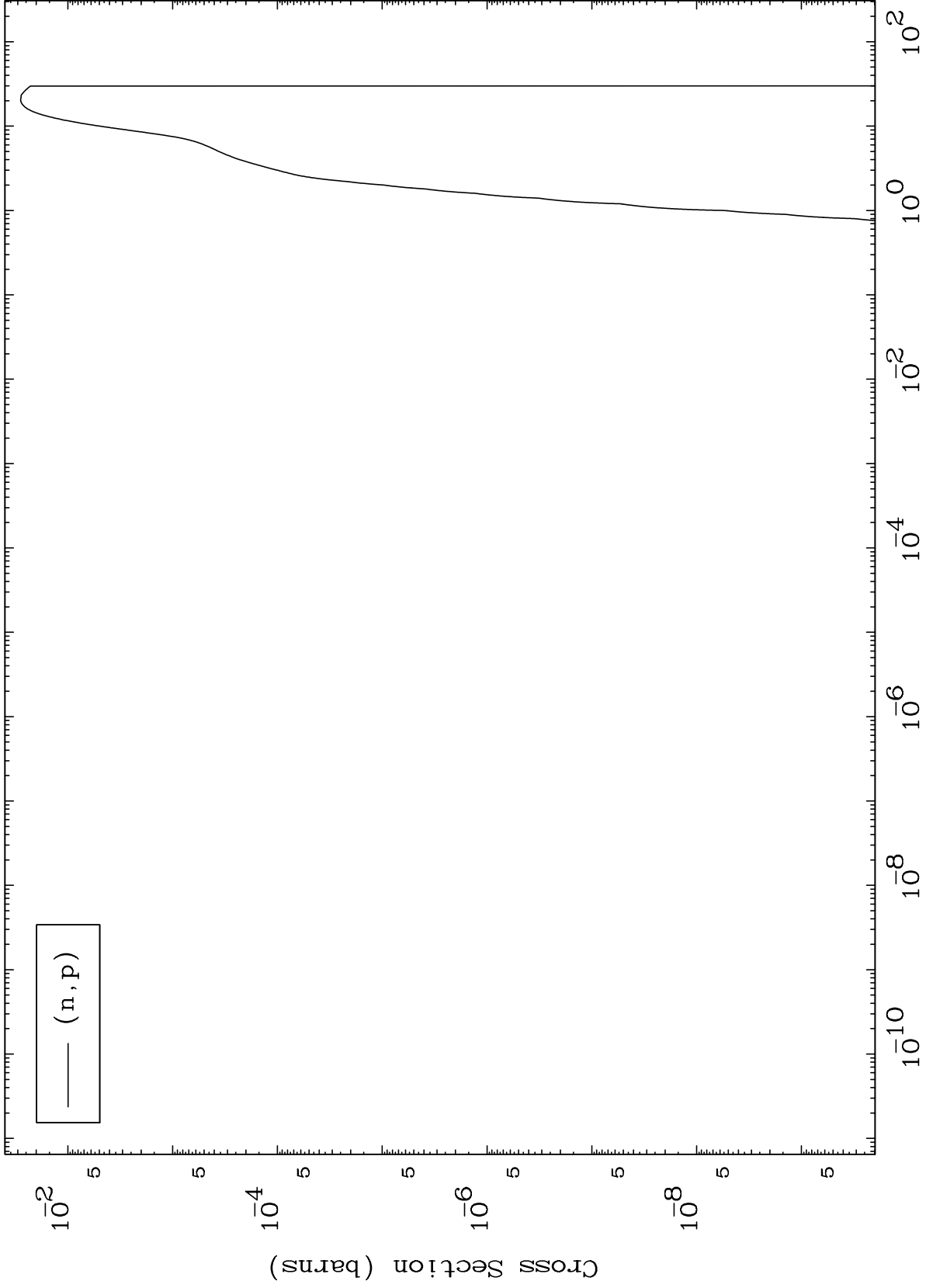
39-Y -89m



MAT 3926

(n,p) Levels
293 Kelvin Cross Sections

39-Y -89m



10

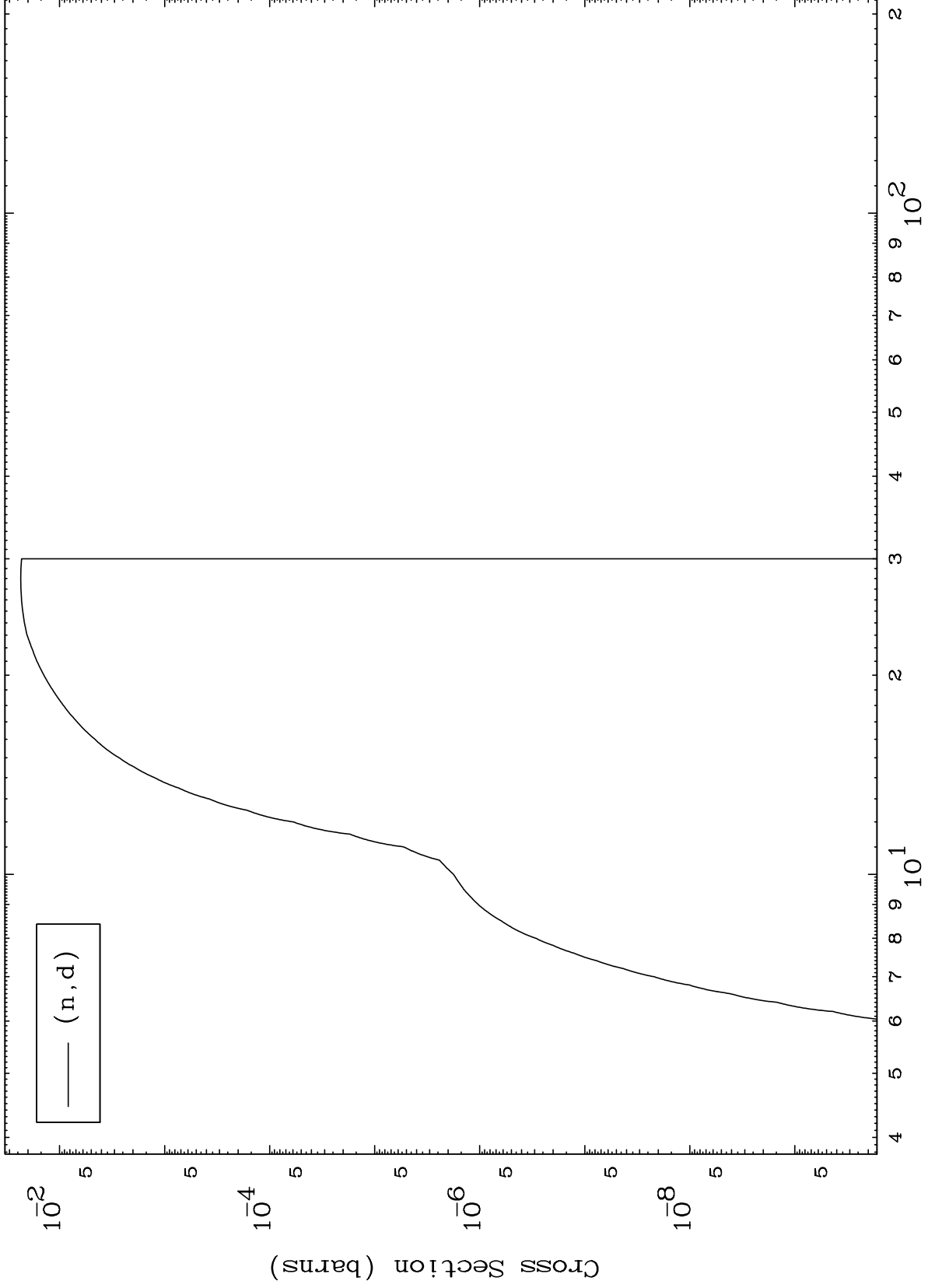
Incident Energy (MeV)

39-Y -89m

MAT 3926

(n,d) Levels
293 Kelvin Cross Sections

39-Y -89m



11

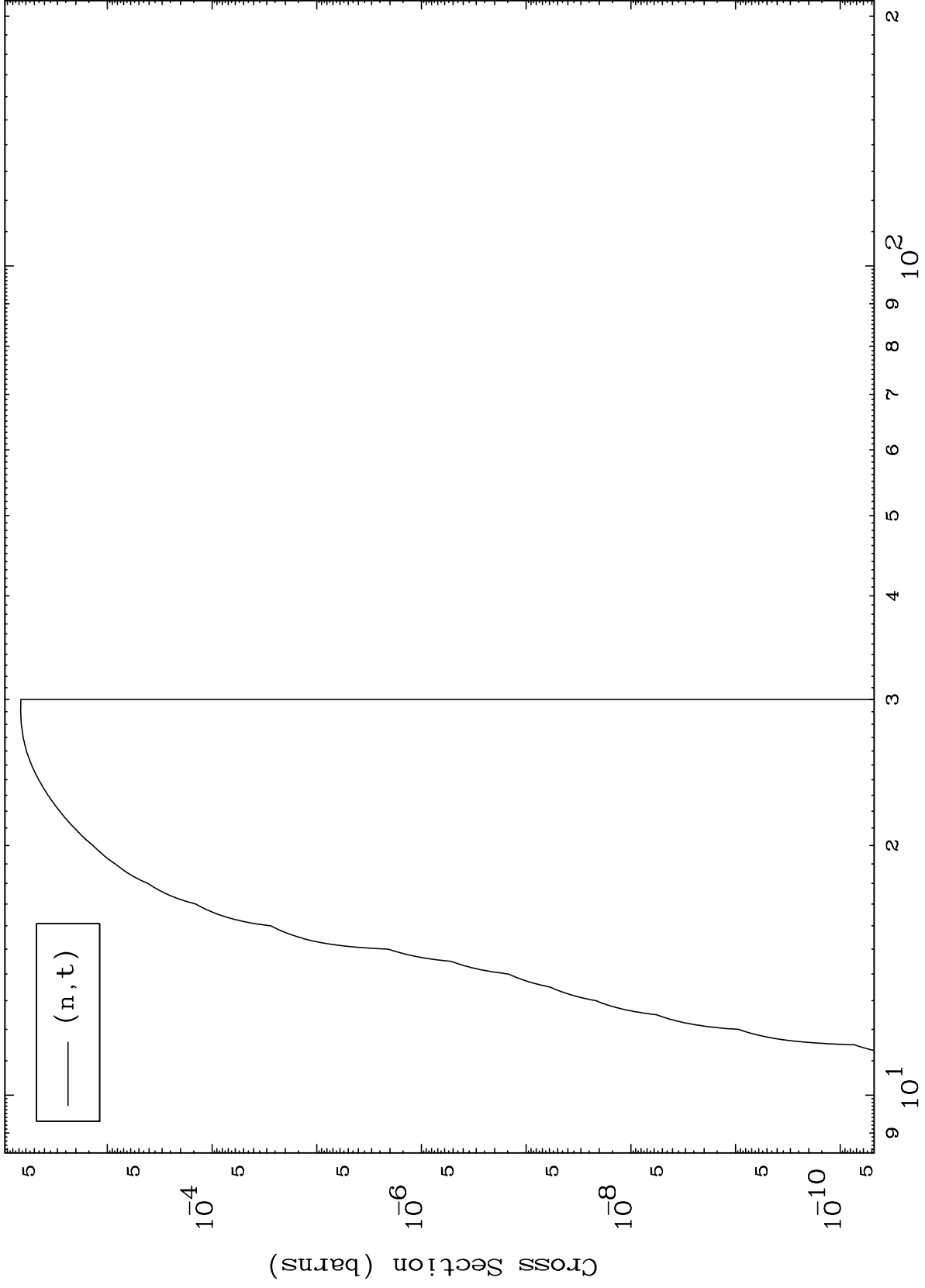
Incident Energy (MeV)

39-Y -89m

MAT 3926

(n,t) Levels
293 Kelvin Cross Sections

39-Y -89m



12

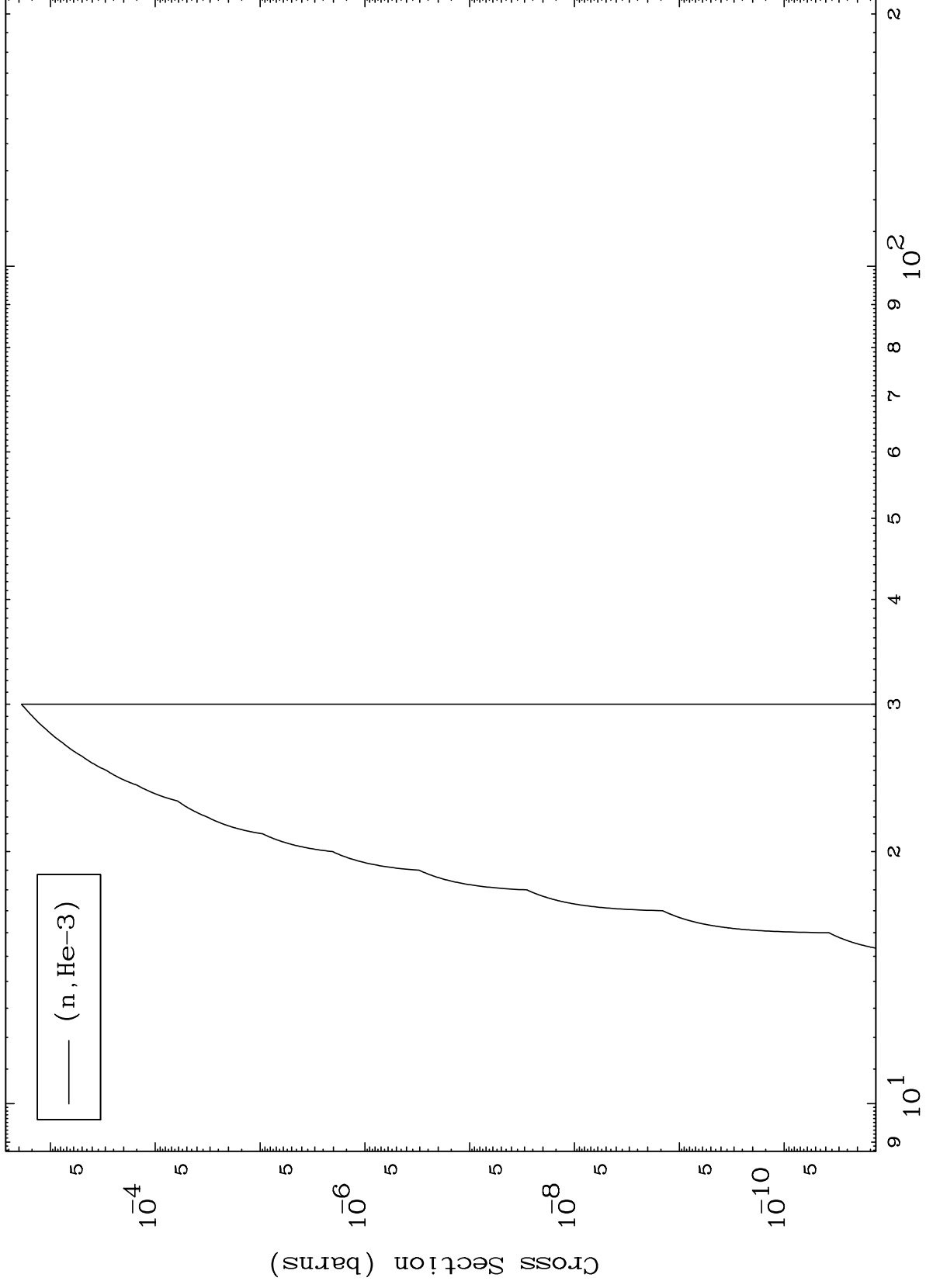
Incident Energy (MeV)

39-Y -89m

MAT 3926

(n,He3) Levels
293 Kelvin Cross Sections

39-Y -89m



13

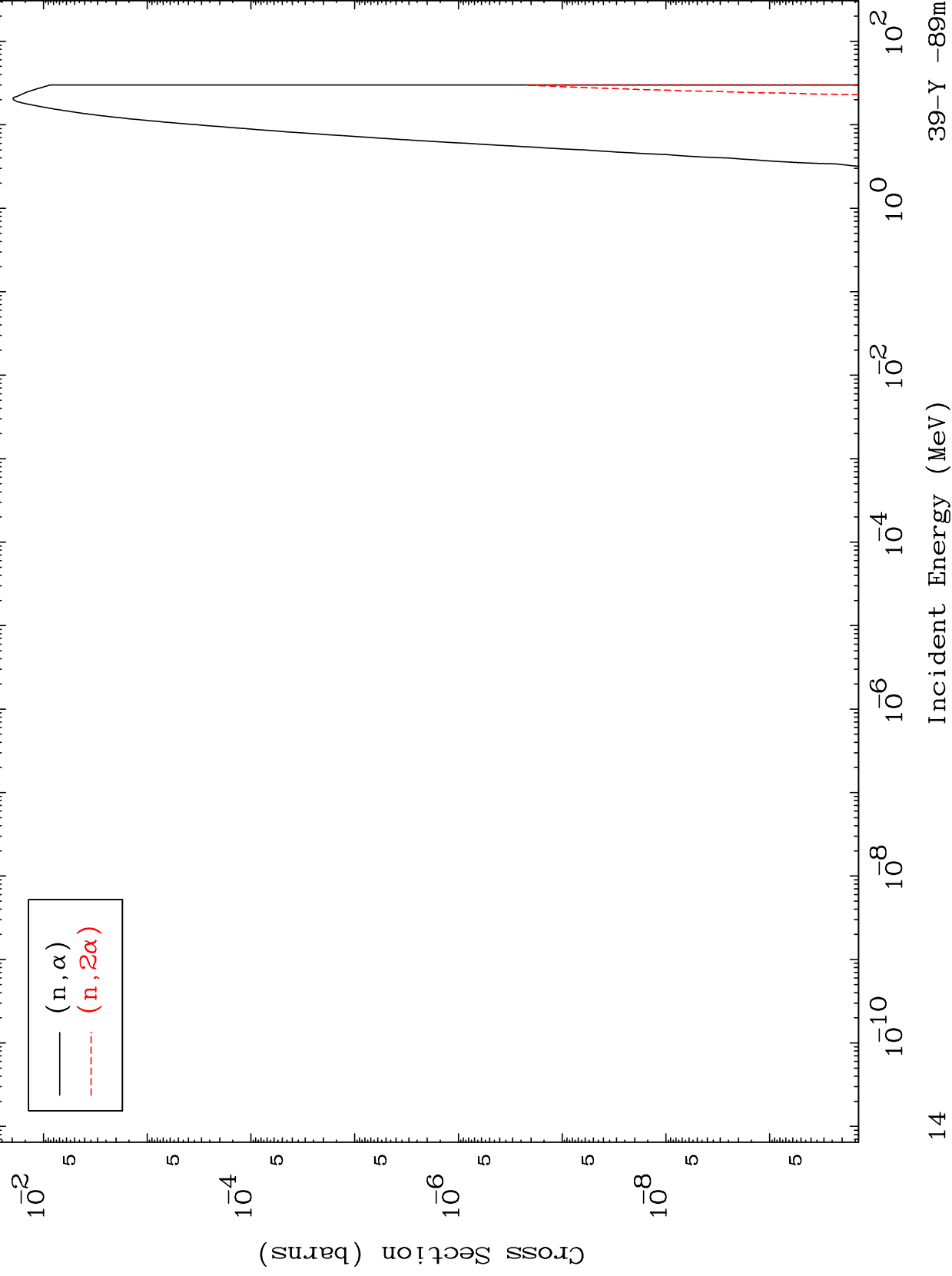
Incident Energy (MeV)

39-Y -89m

MAT 3926

(n, α) Levels
293 Kelvin Cross Sections

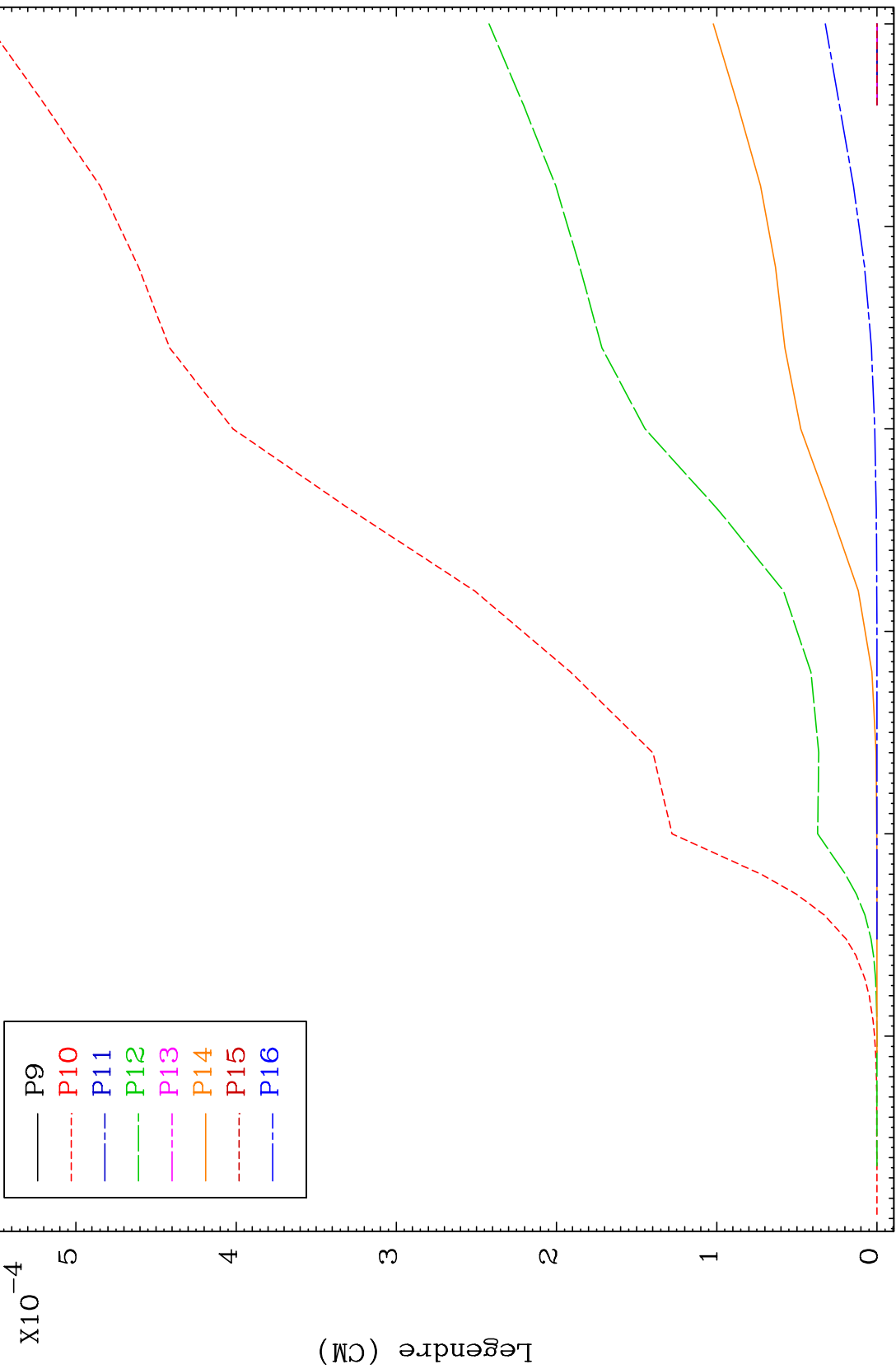
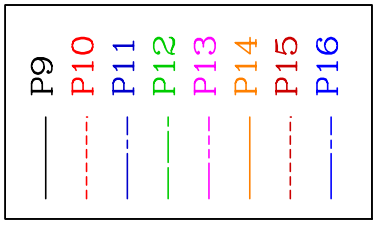
39-Y -89m



MAT 3926

Elastic Legendre Coefficients

39-Y -89m



16

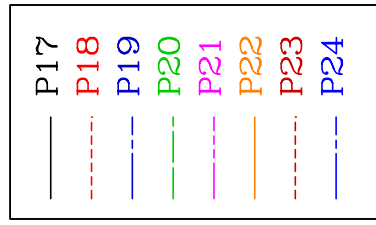
Incident Energy (MeV)

39-Y -89m

MAT 3926

Elastic Legendre Coefficients

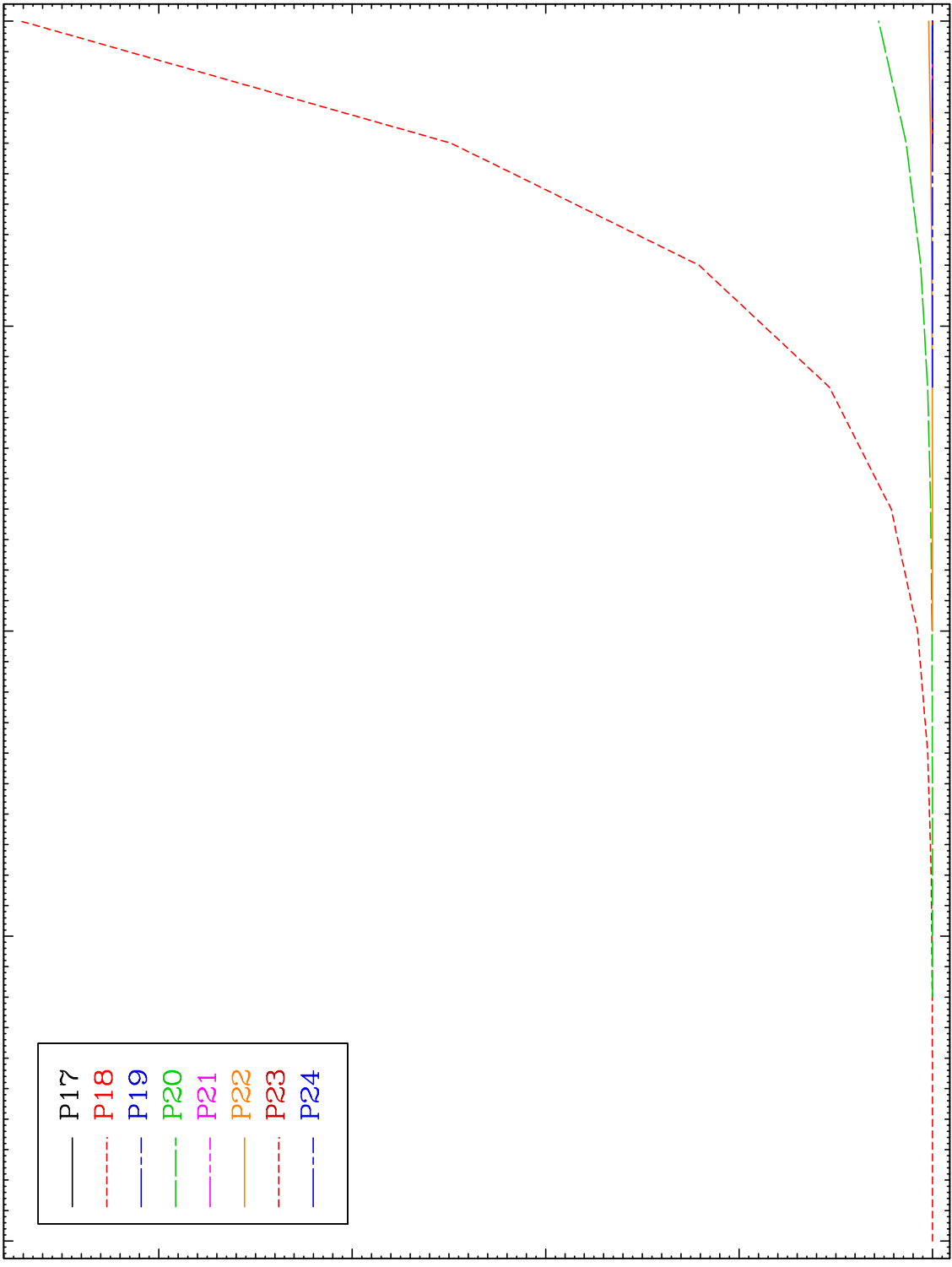
39-Y -89m



$\times 10^{-6}$
2.0
1.5
1.0
0.5
0.0

Legendre (CM)

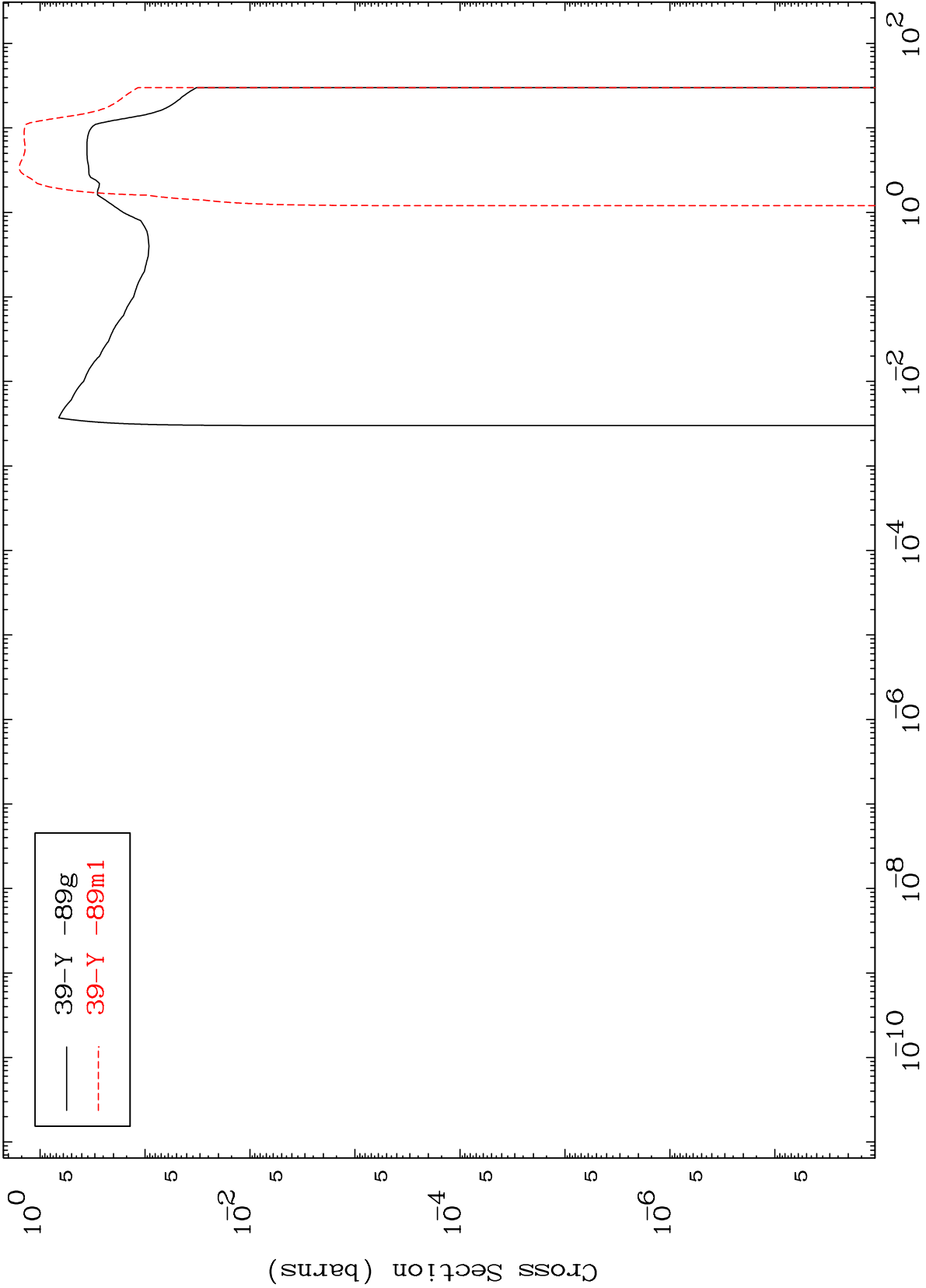
10 15 20 25 30
17 Incident Energy (MeV) 39-Y -89m



MAT 3926

Inelastic
Radionuclide Production Cross Section

39-Y -89m



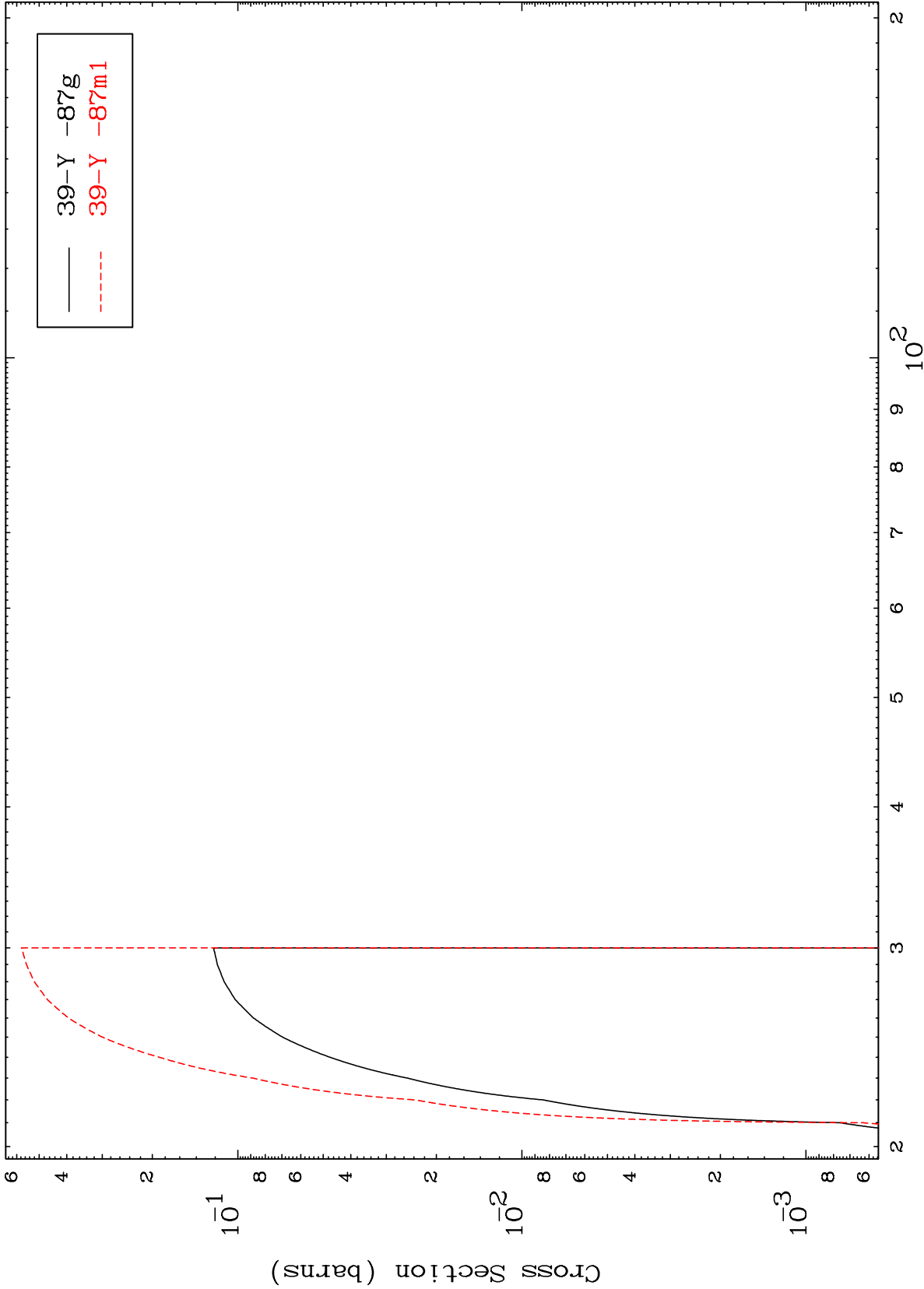
— 39-Y -89g
- - - 39-Y -89m1

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(n,3n)

39-Y -89m

Radionuclide Production Cross Section



39-Y -87g
39-Y -87m1

19

Incident Energy (MeV)

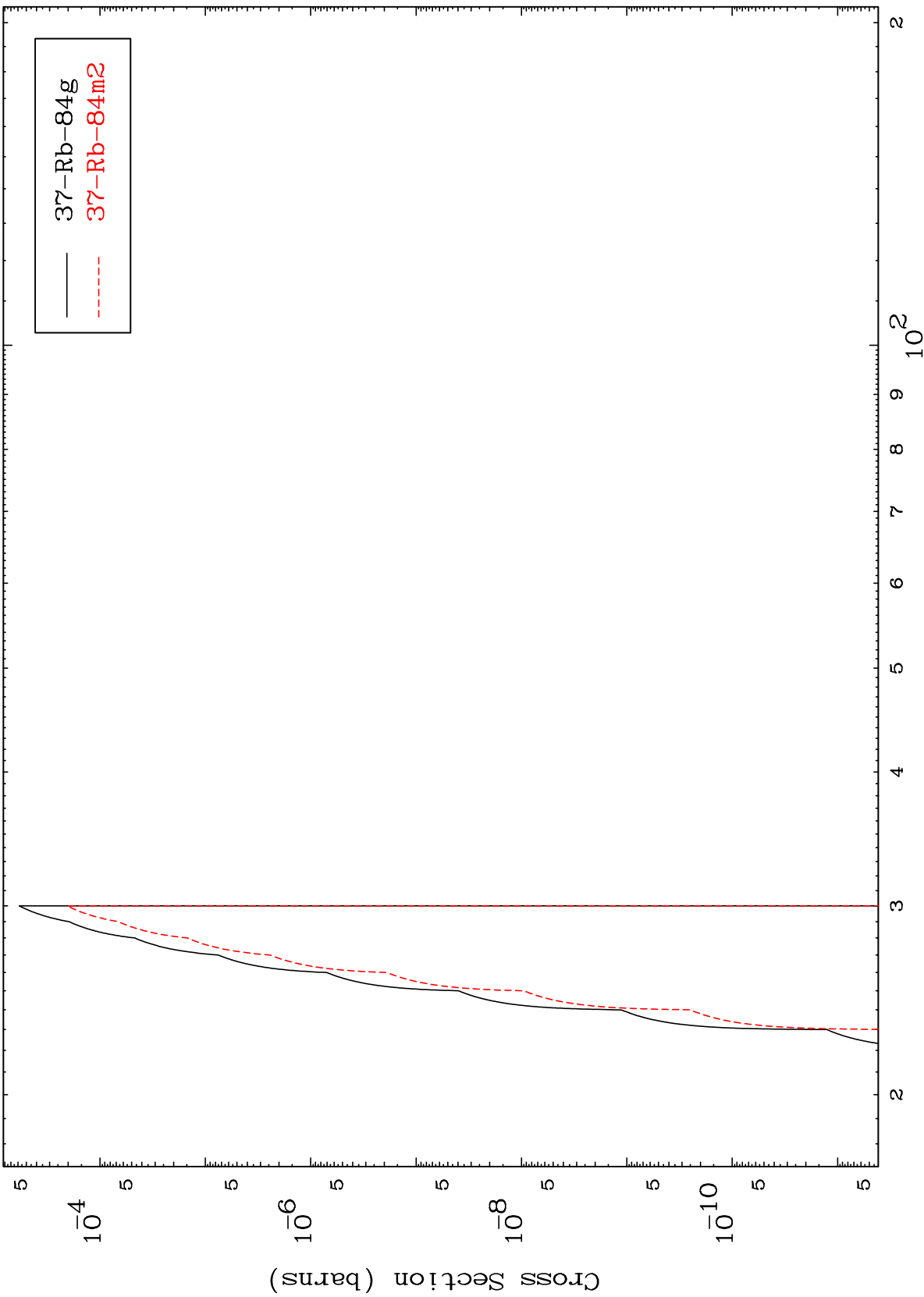
39-Y -89m

MAT 3926

(n,2n) α

39-Y -89m

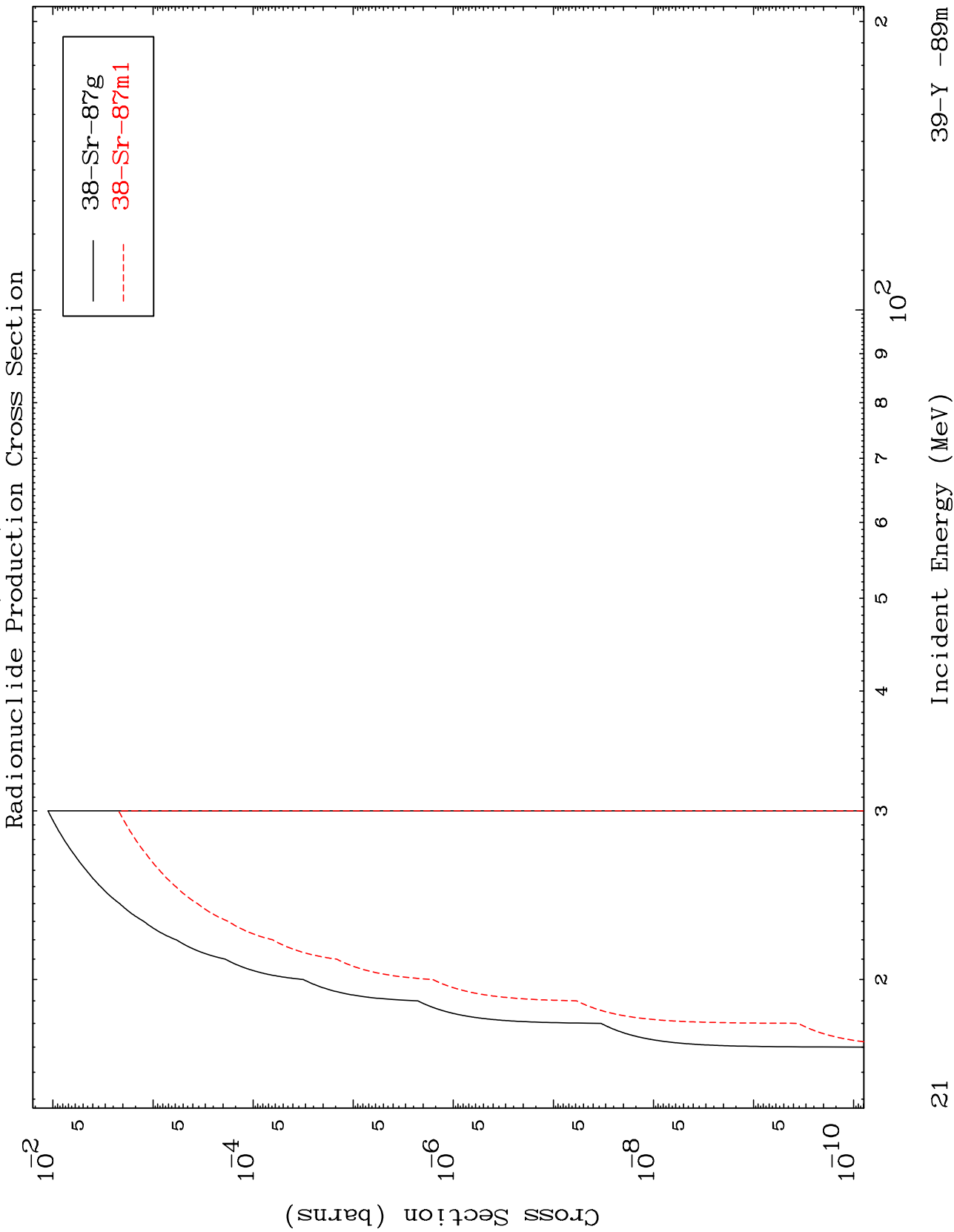
Radionuclide Production Cross Section



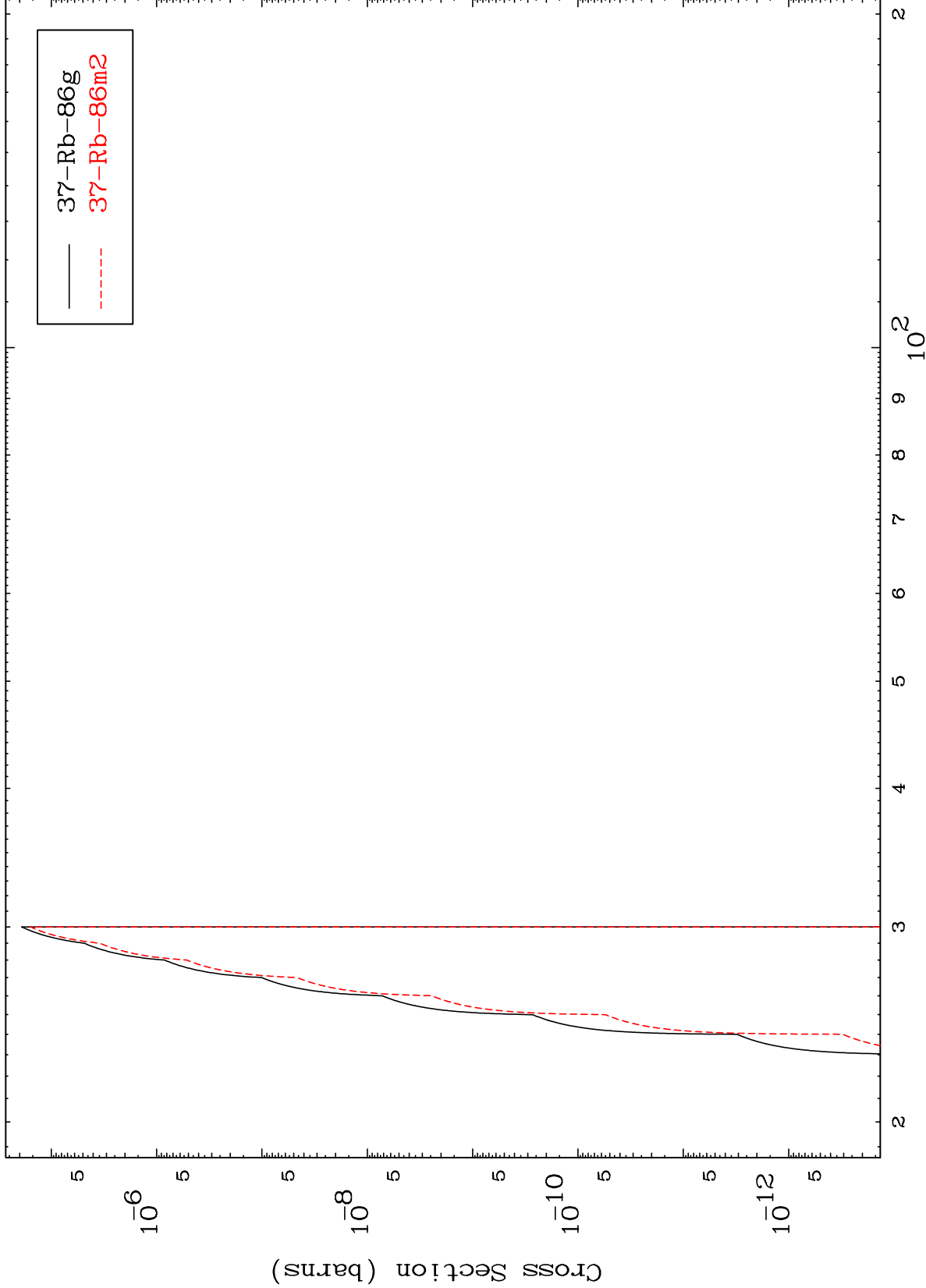
20

Incident Energy (MeV)

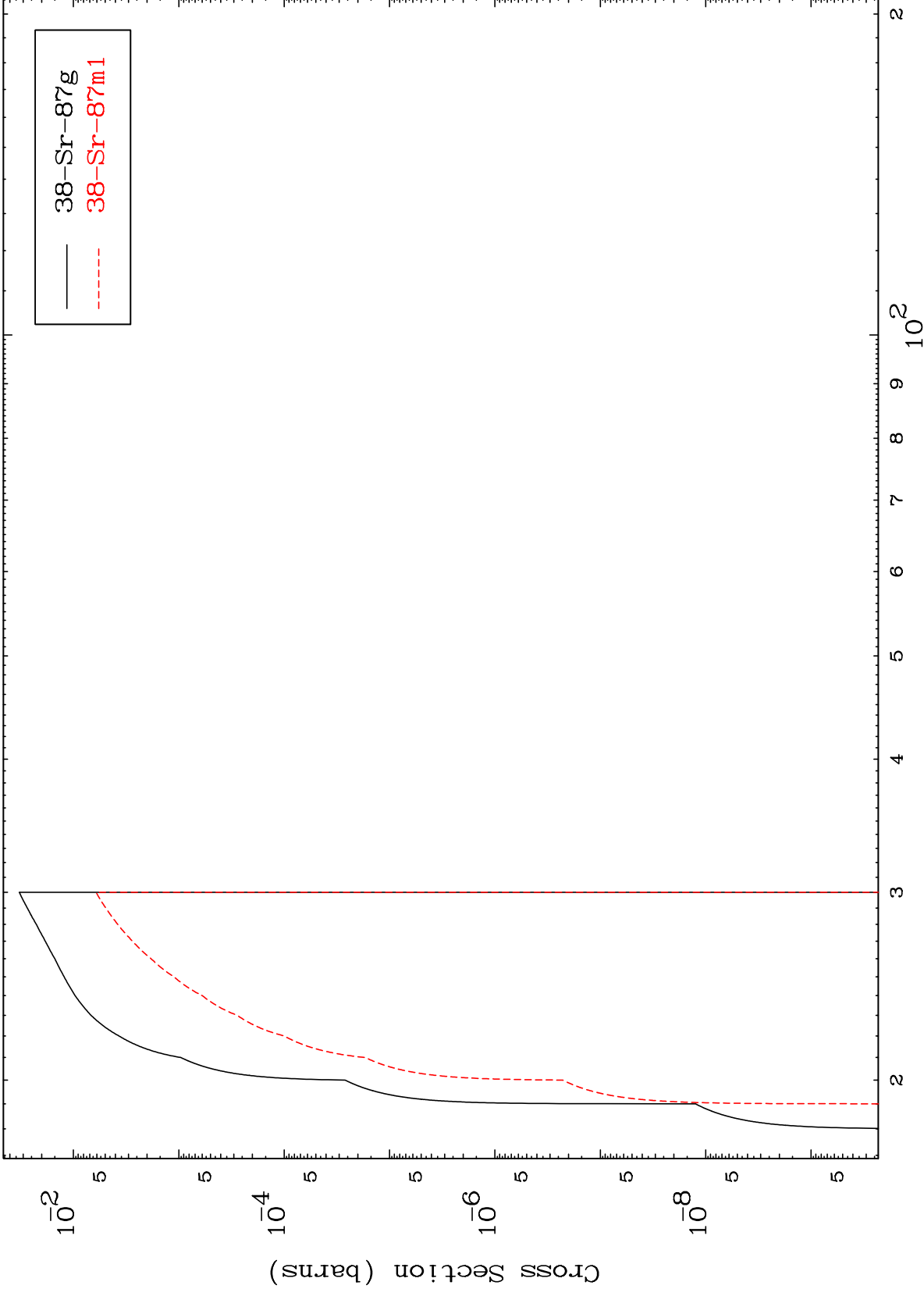
39-Y -89m



Radionuclide Production Cross Section



Radionuclide Production Cross Section

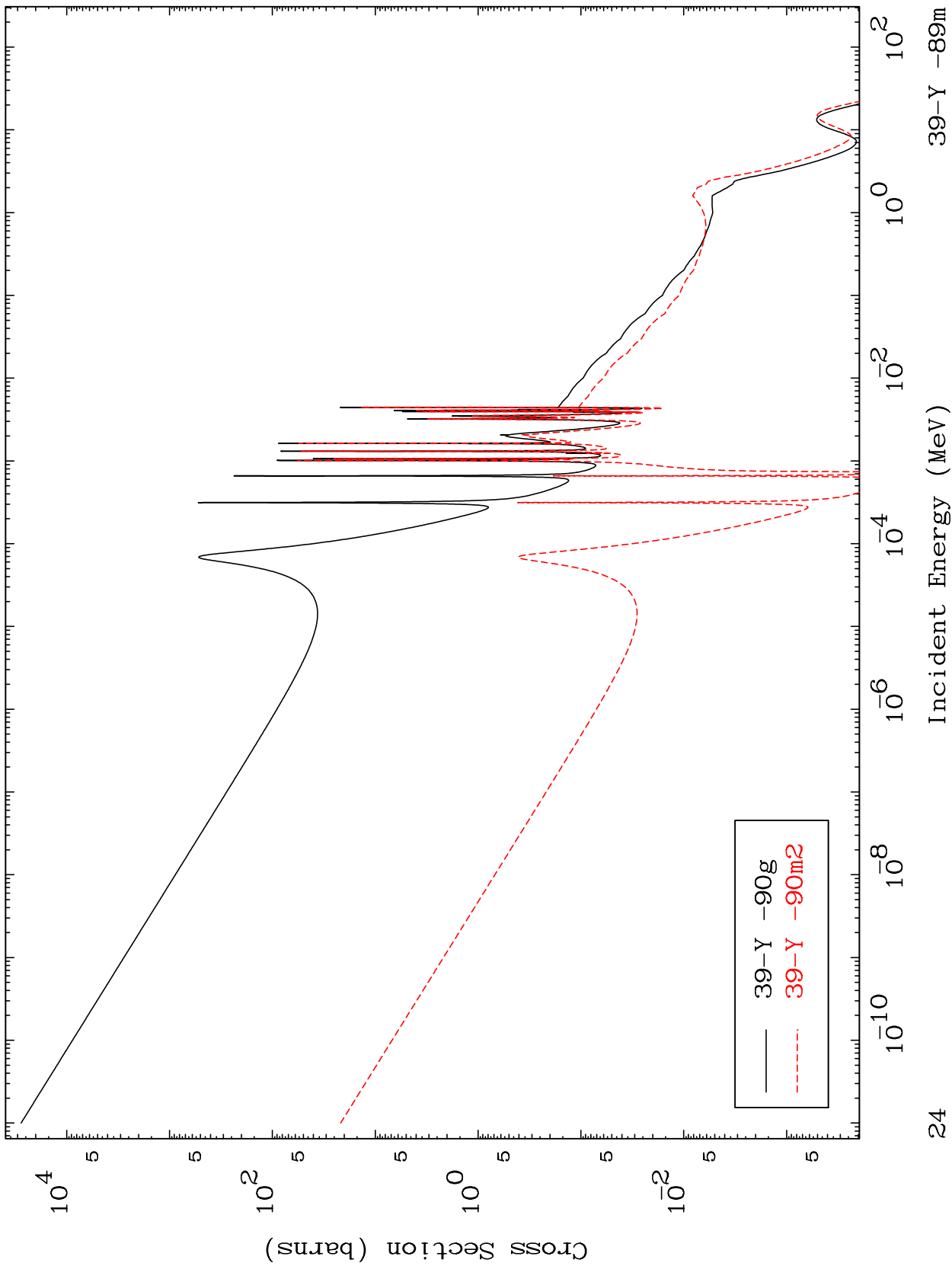


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39-Y -89m

Radionuclide Production Cross Section

(n,γ)

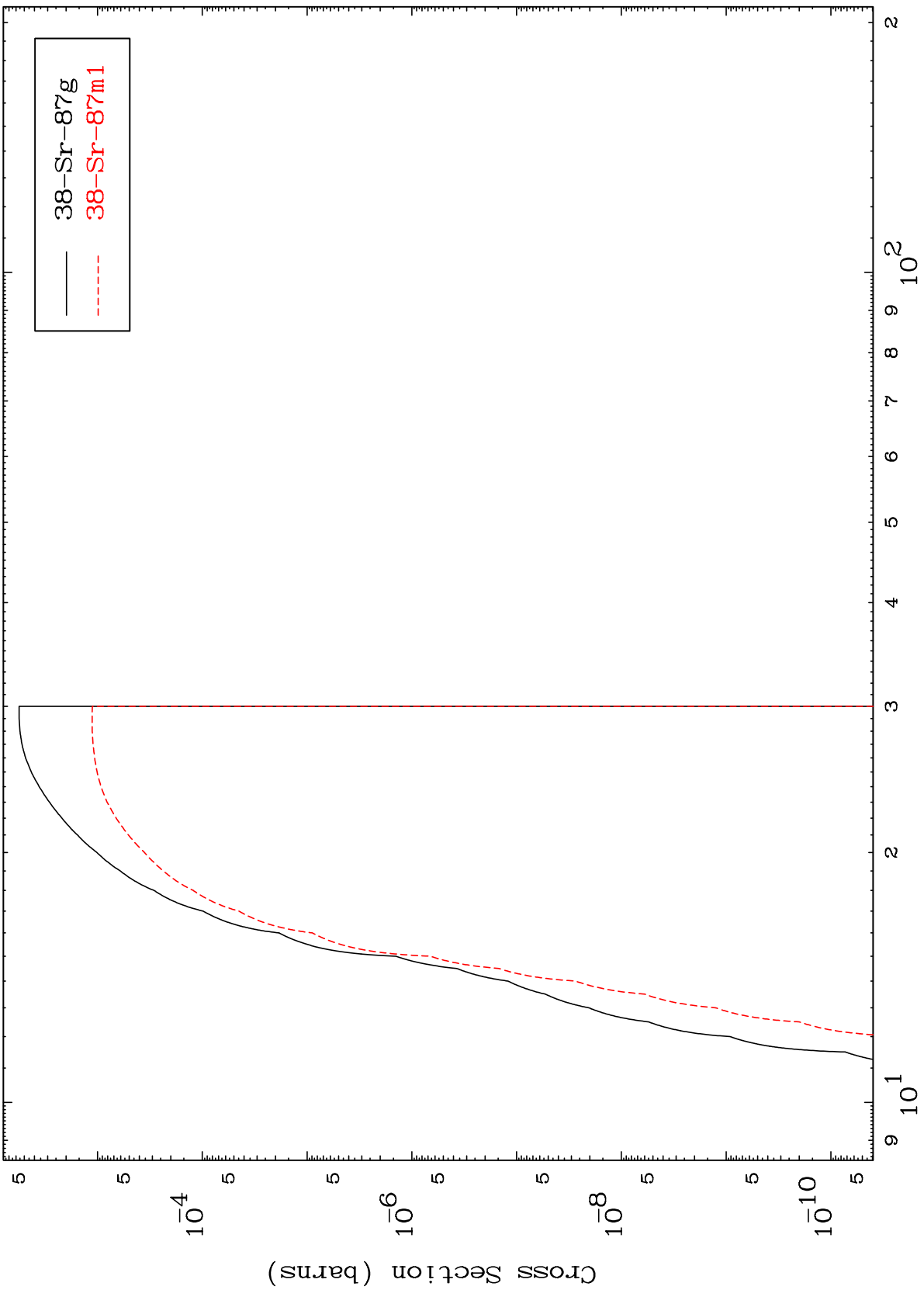


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(n,t)

39-Y -89m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

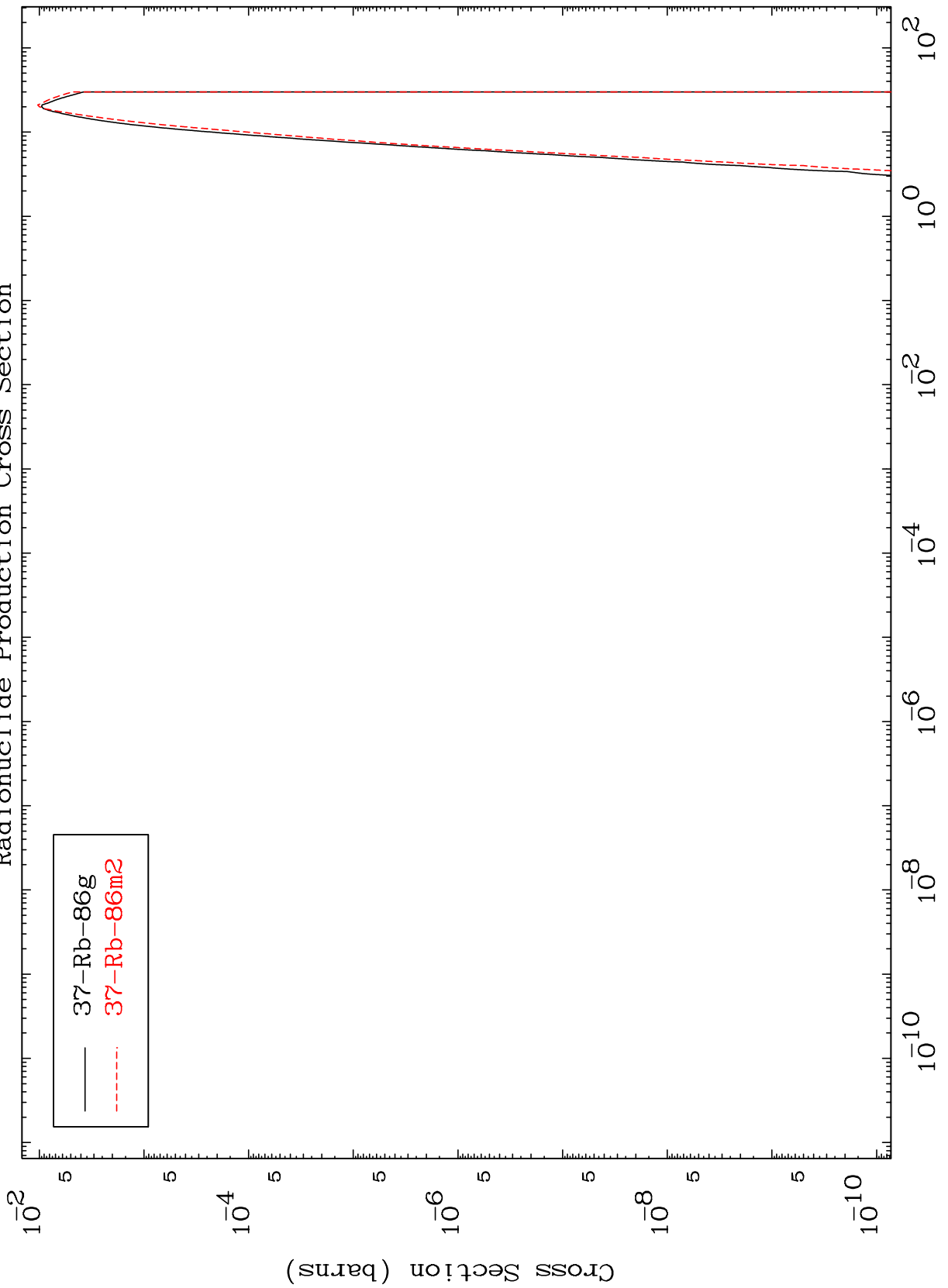
39-Y -89m

MAT 3926

(n, α)

39-Y -89m

Radionuclide Production Cross Section



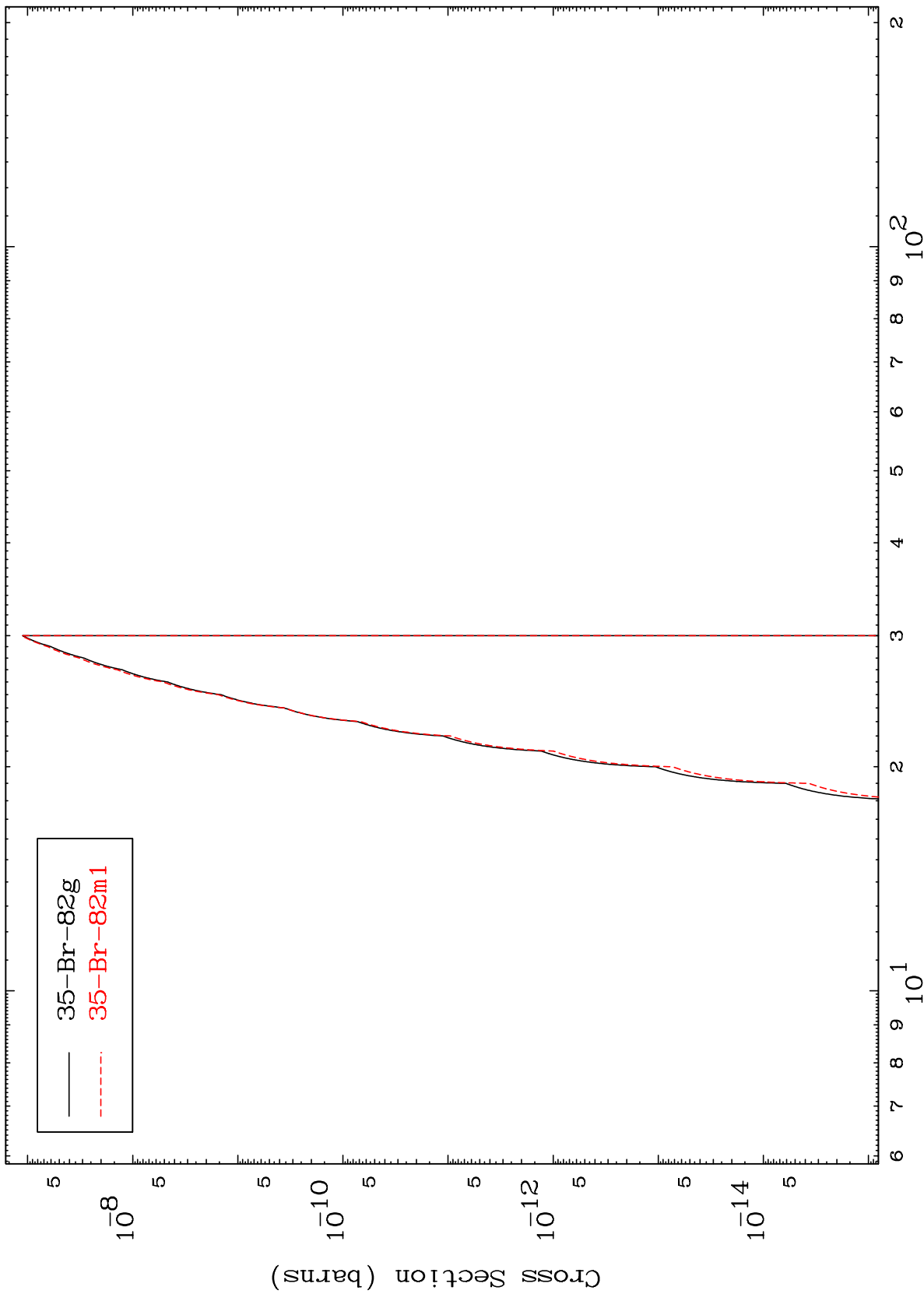
26

39-Y -89m

MAT 3926

39-Y -89m

Radionuclide Production Cross Section



27

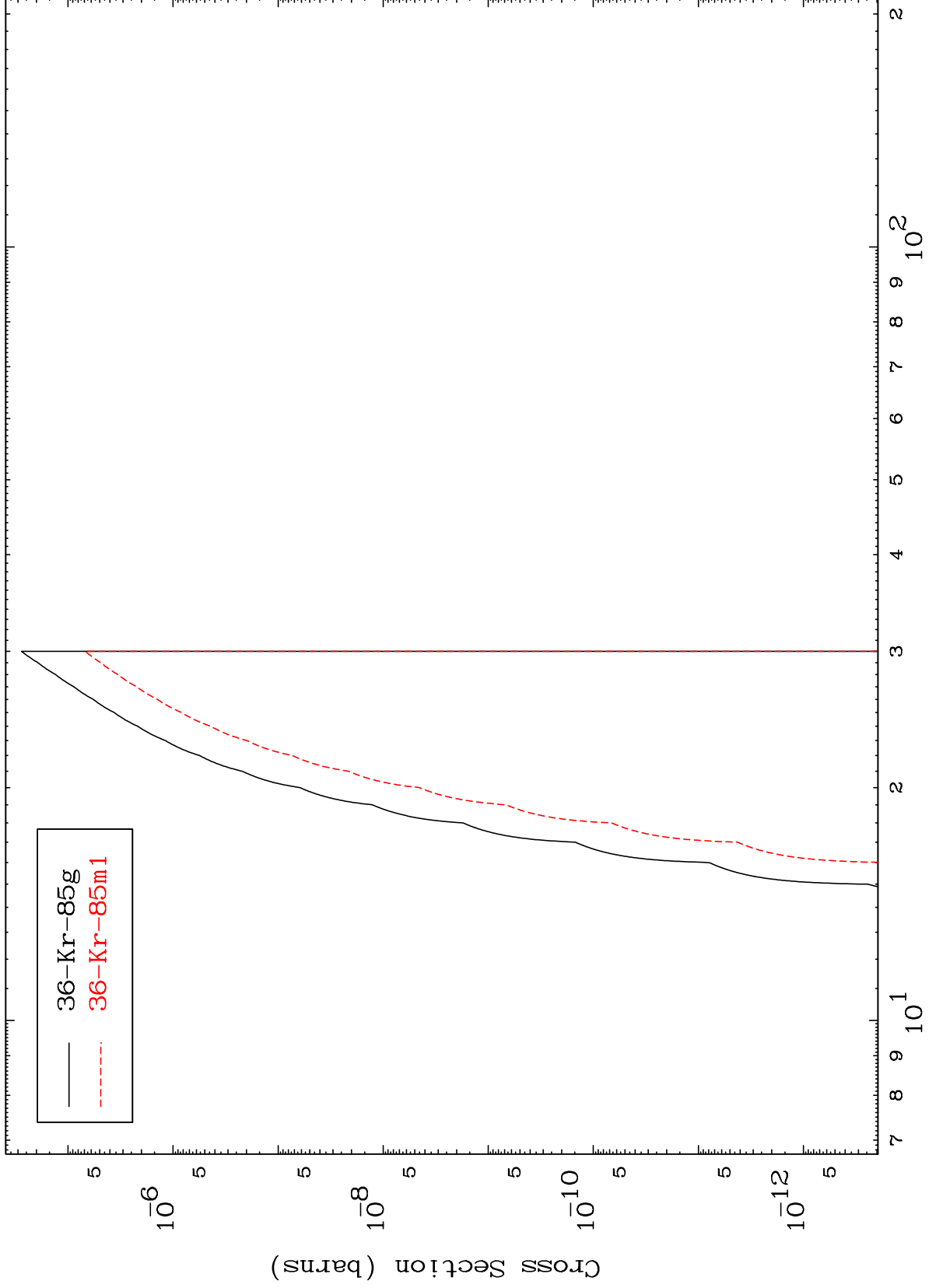
39-Y -89m

MAT 3926

(n,p) α

39-Y -89m

Radionuclide Production Cross Section



28

Incident Energy (MeV)

39-Y -89m

Radionuclide Production Cross Section

