

Program EVALPLOT  
(Version 2021-1)

by

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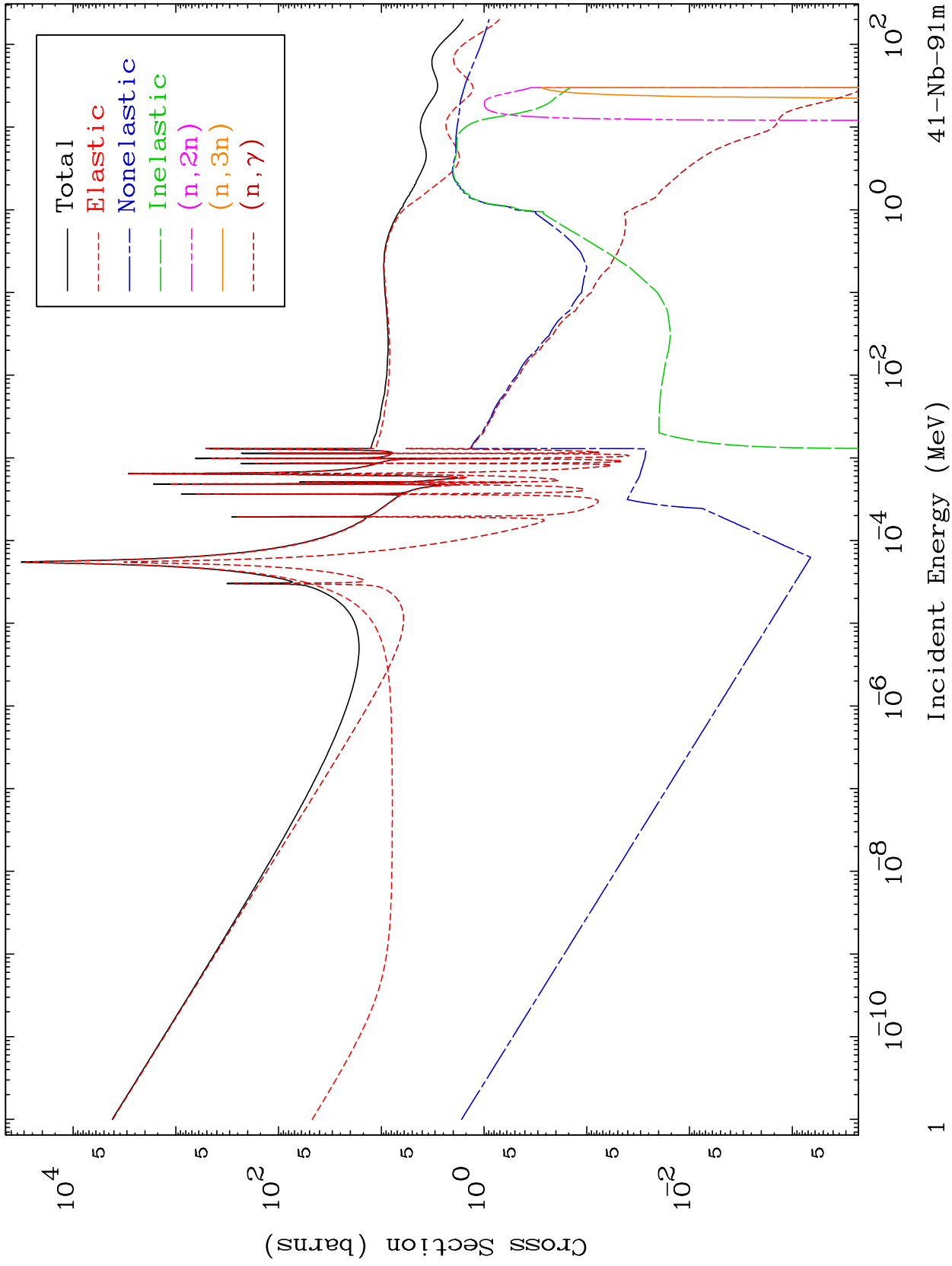
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4120

Neutron Major  
293 Kelvin Cross Sections

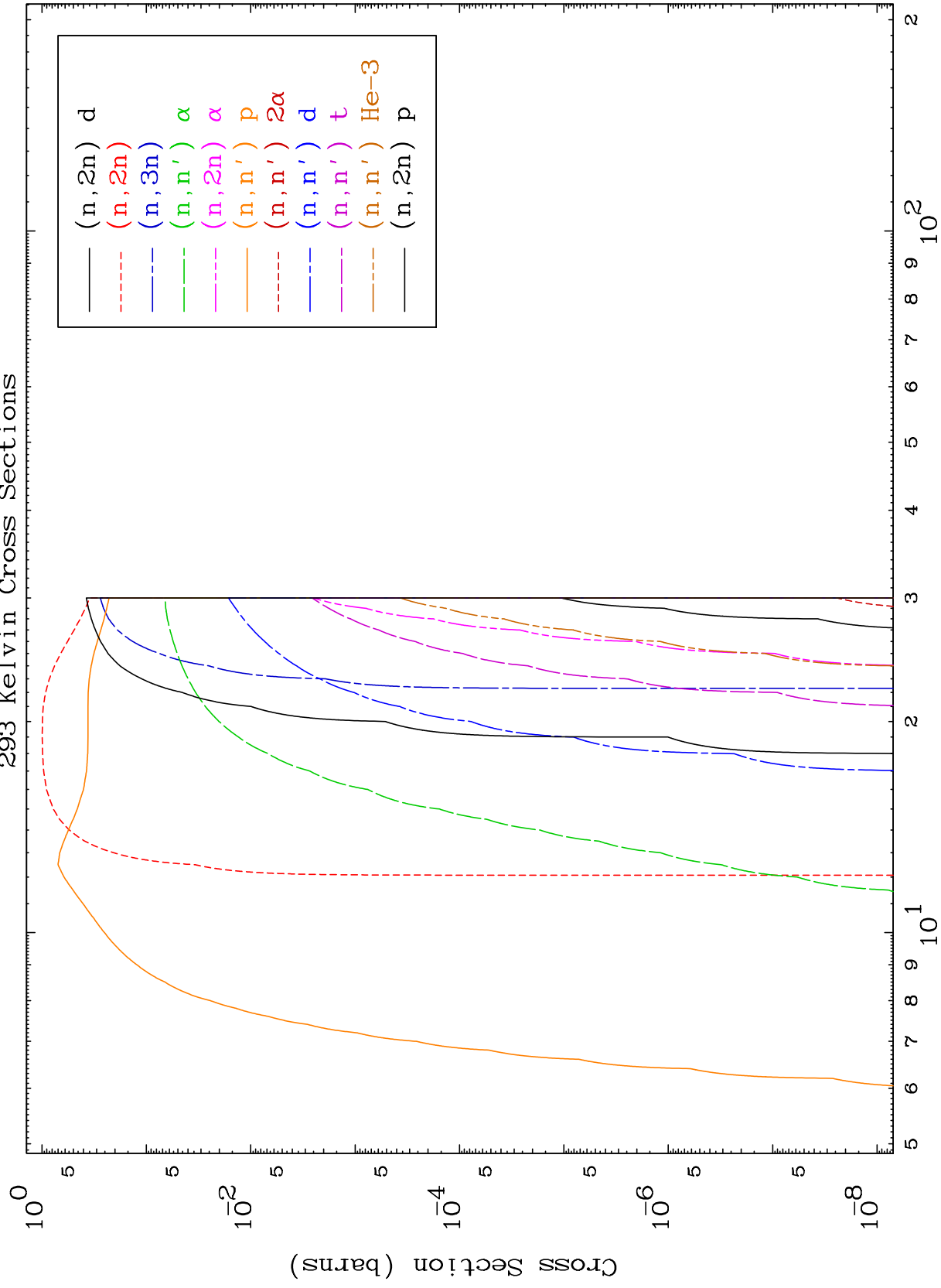
41-Nb-91m



MAT 4120

Neutron Absorption  
293 Kelvin Cross Sections

41-Nb-91m



2

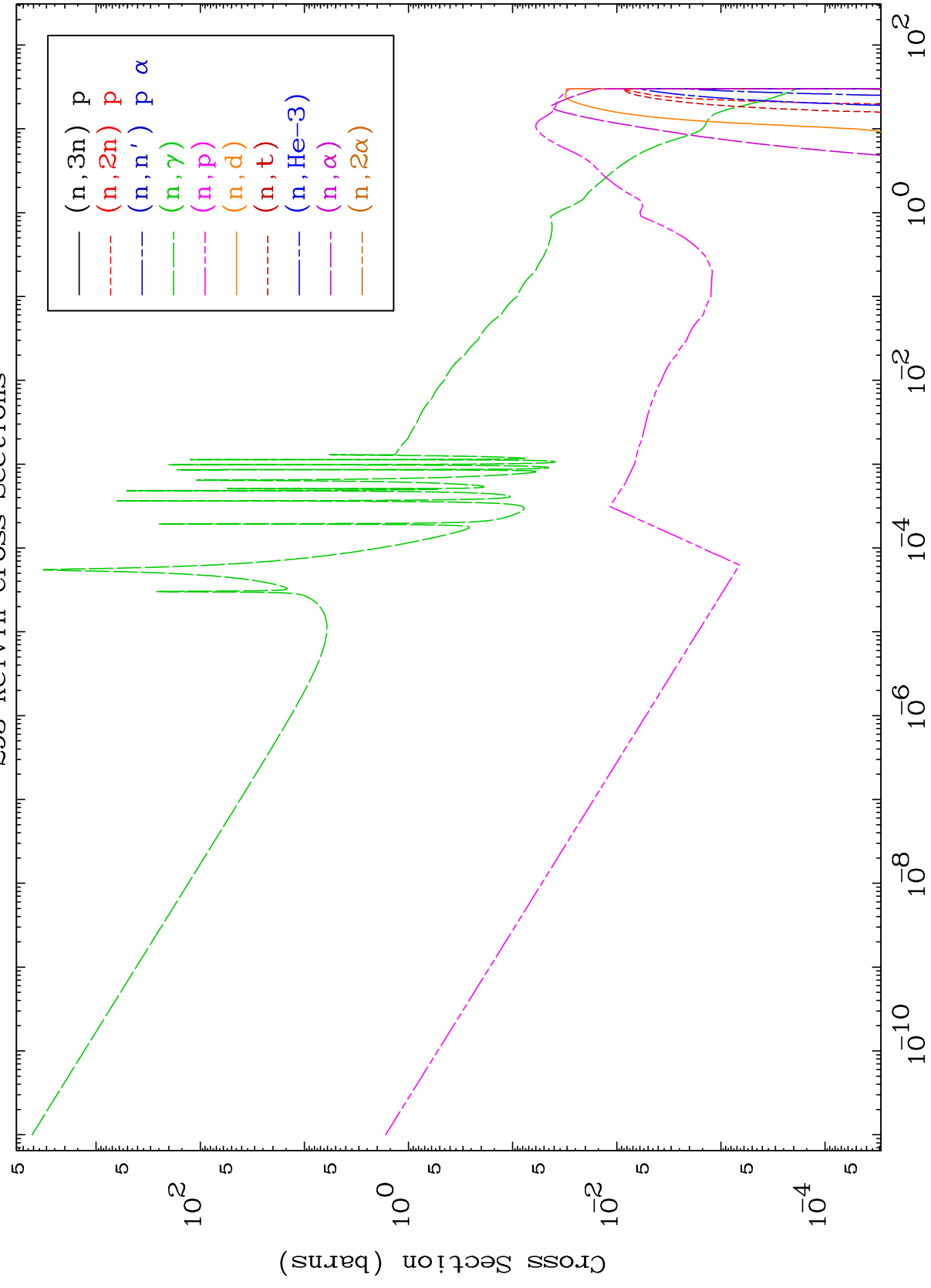
Incident Energy (MeV)

41-Nb-91m

MAT 4120

Neutron Absorption  
293 Kelvin Cross Sections

41-Nb-91m

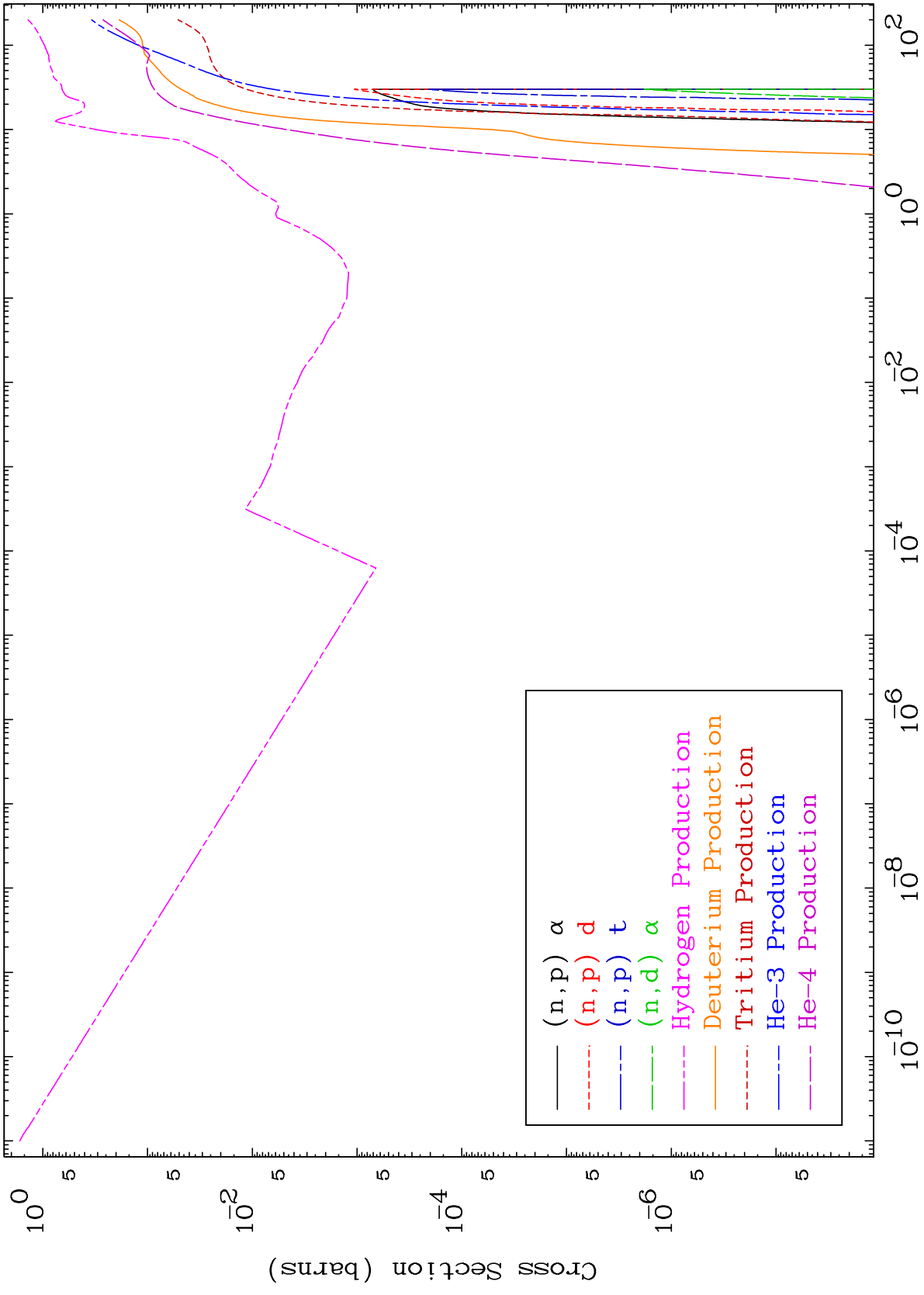


41-Nb-91m

MAT 4120

Neutron Absorption  
293 Kelvin Cross Sections

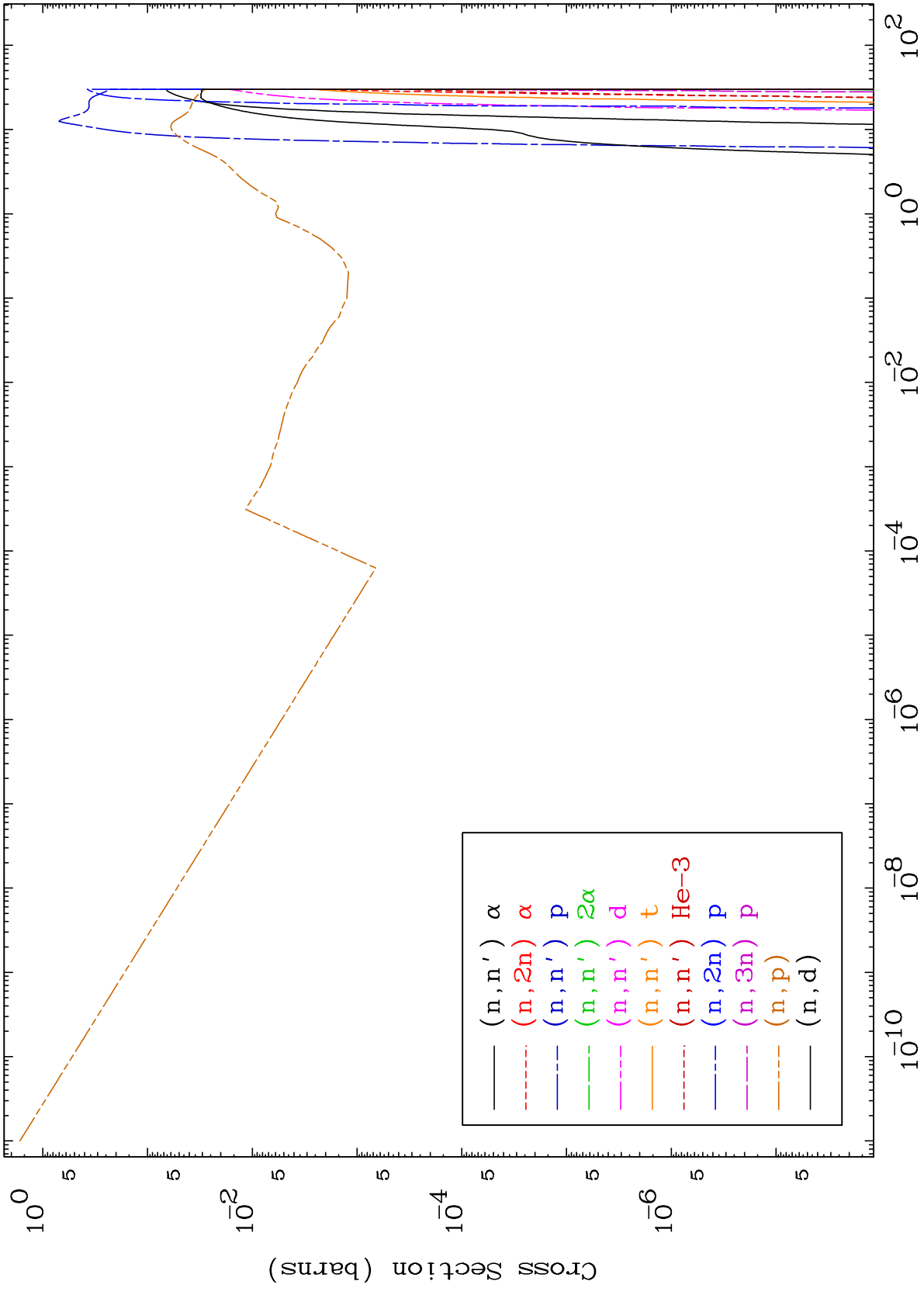
41-Nb-91m



MAT 4120

Charged Particle  
293 Kelvin Cross Sections

41-Nb-91m

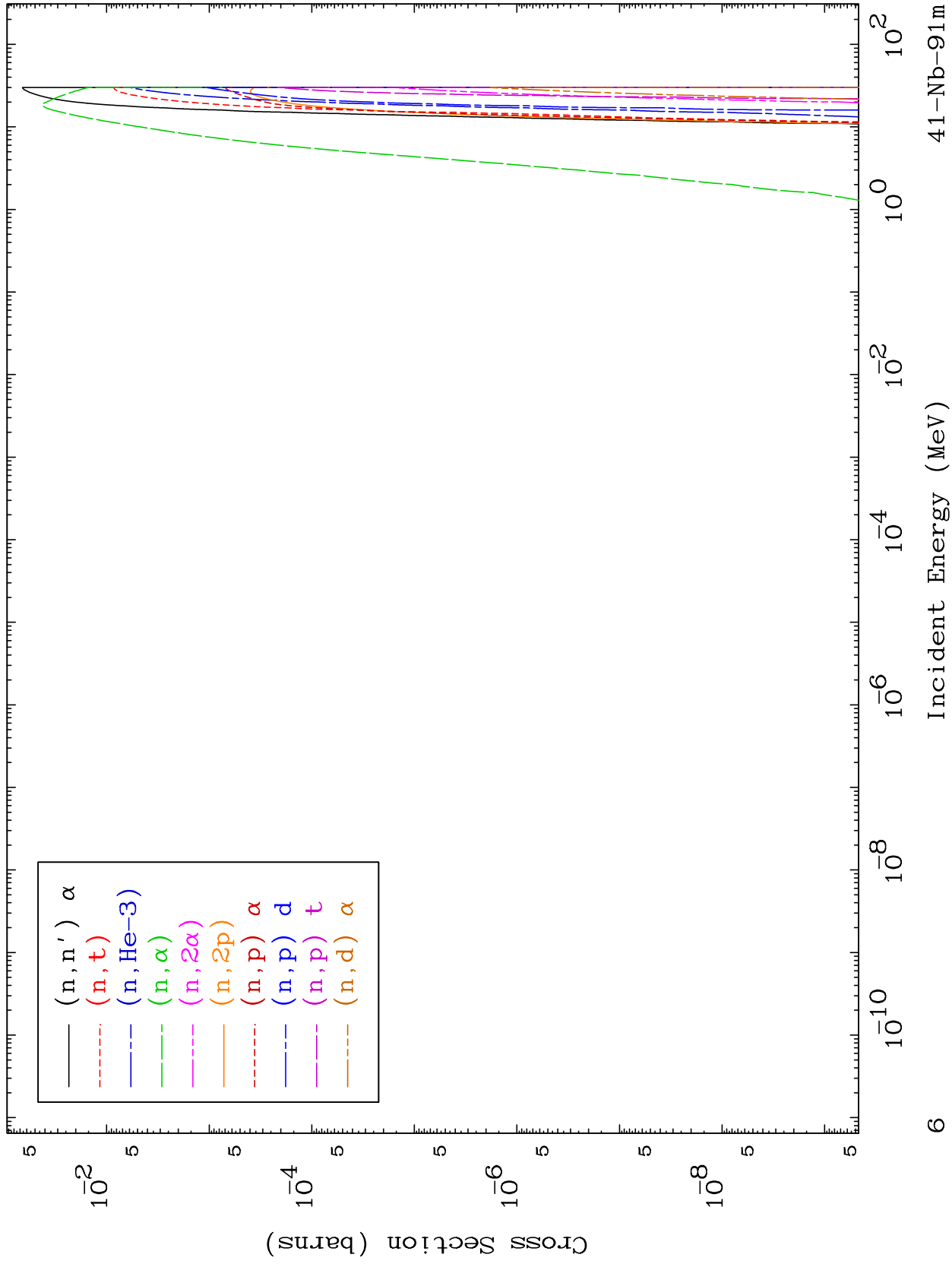


41-Nb-91m

MAT 4120

Charged Particle  
293 Kelvin Cross Sections

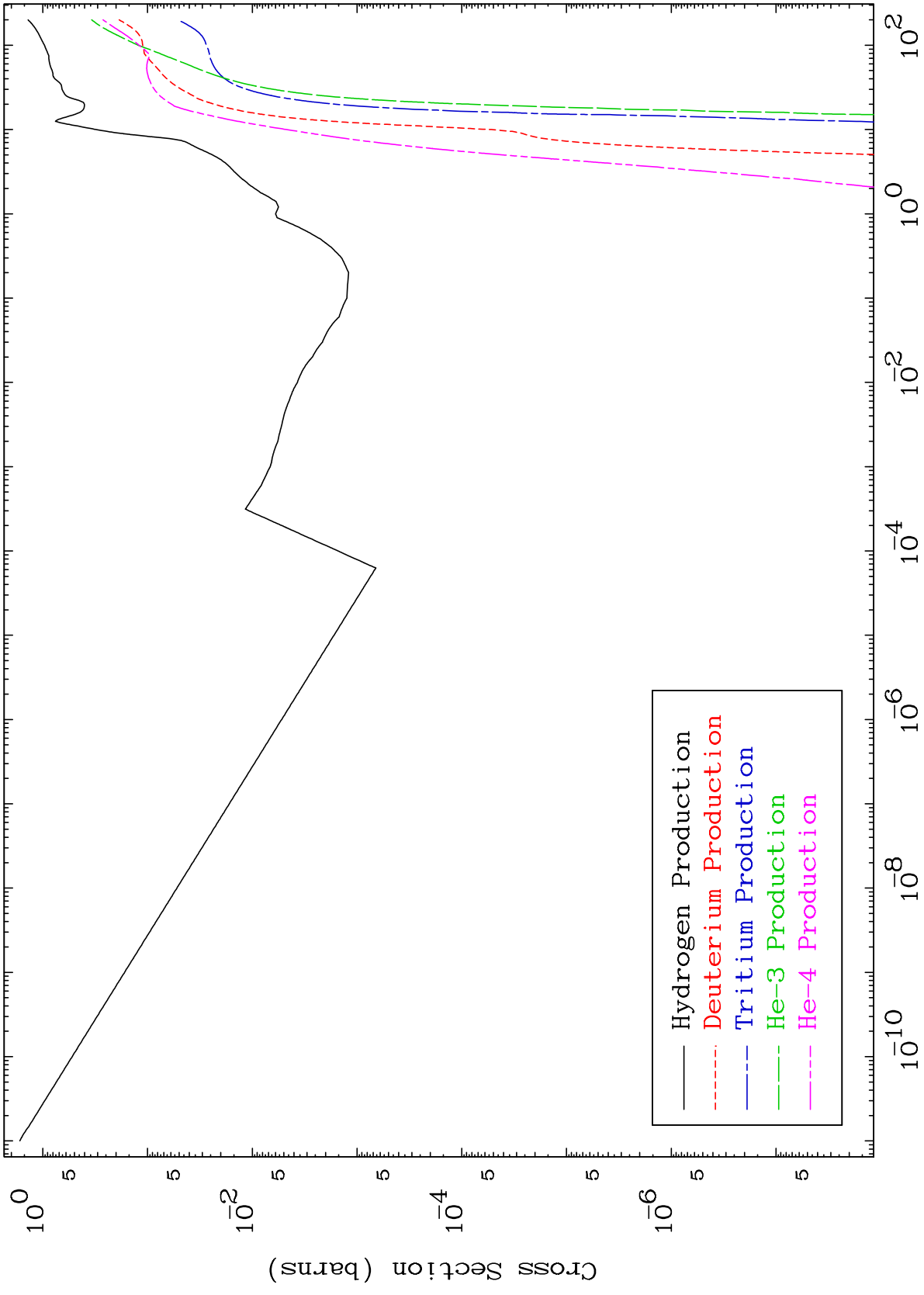
41-Nb-91m



MAT 4120

Particle Production  
293 Kelvin Cross Sections

41-Nb-91m

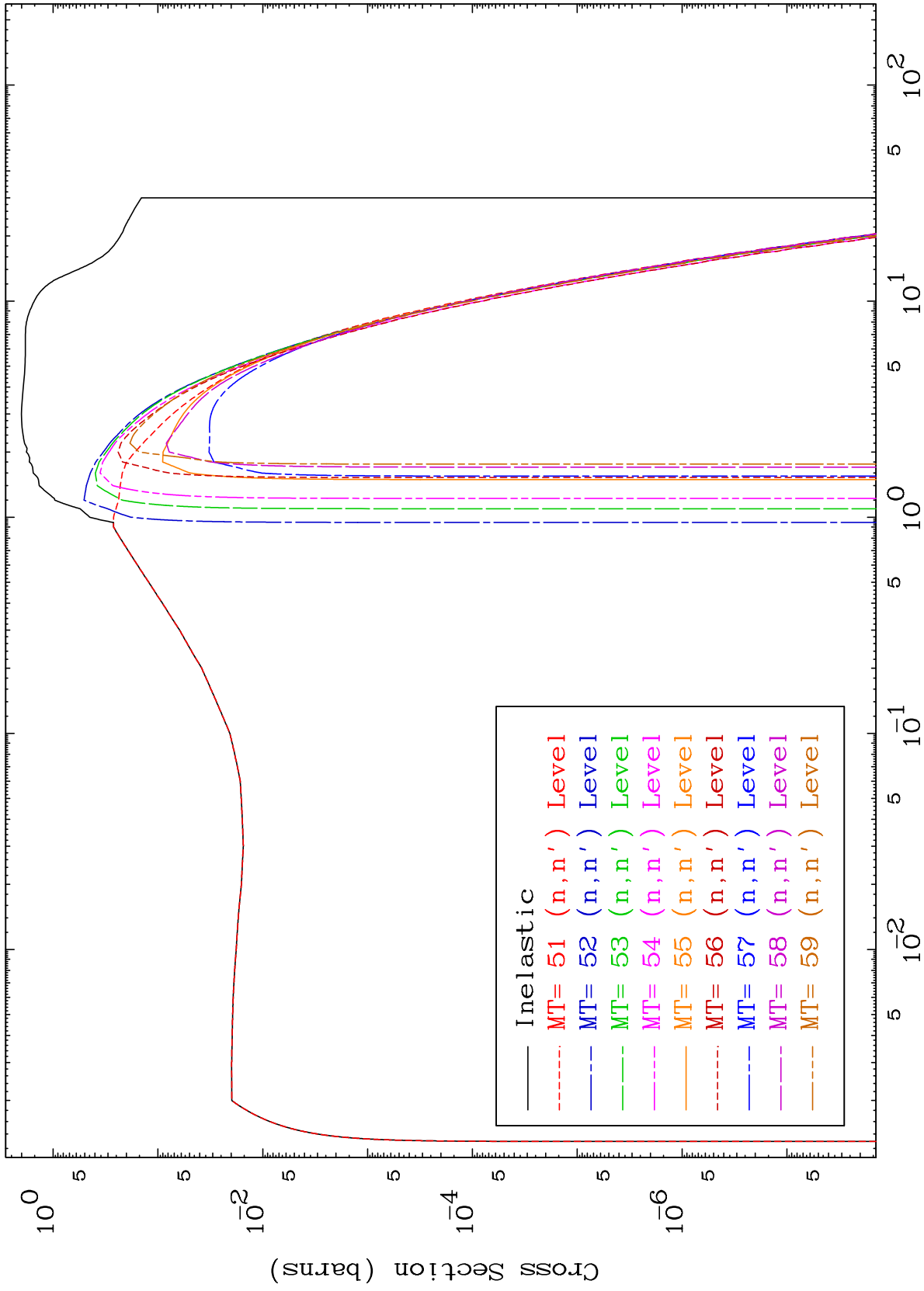




MAT 4120

293 Kelvin Cross Sections  
(n,n') Levels

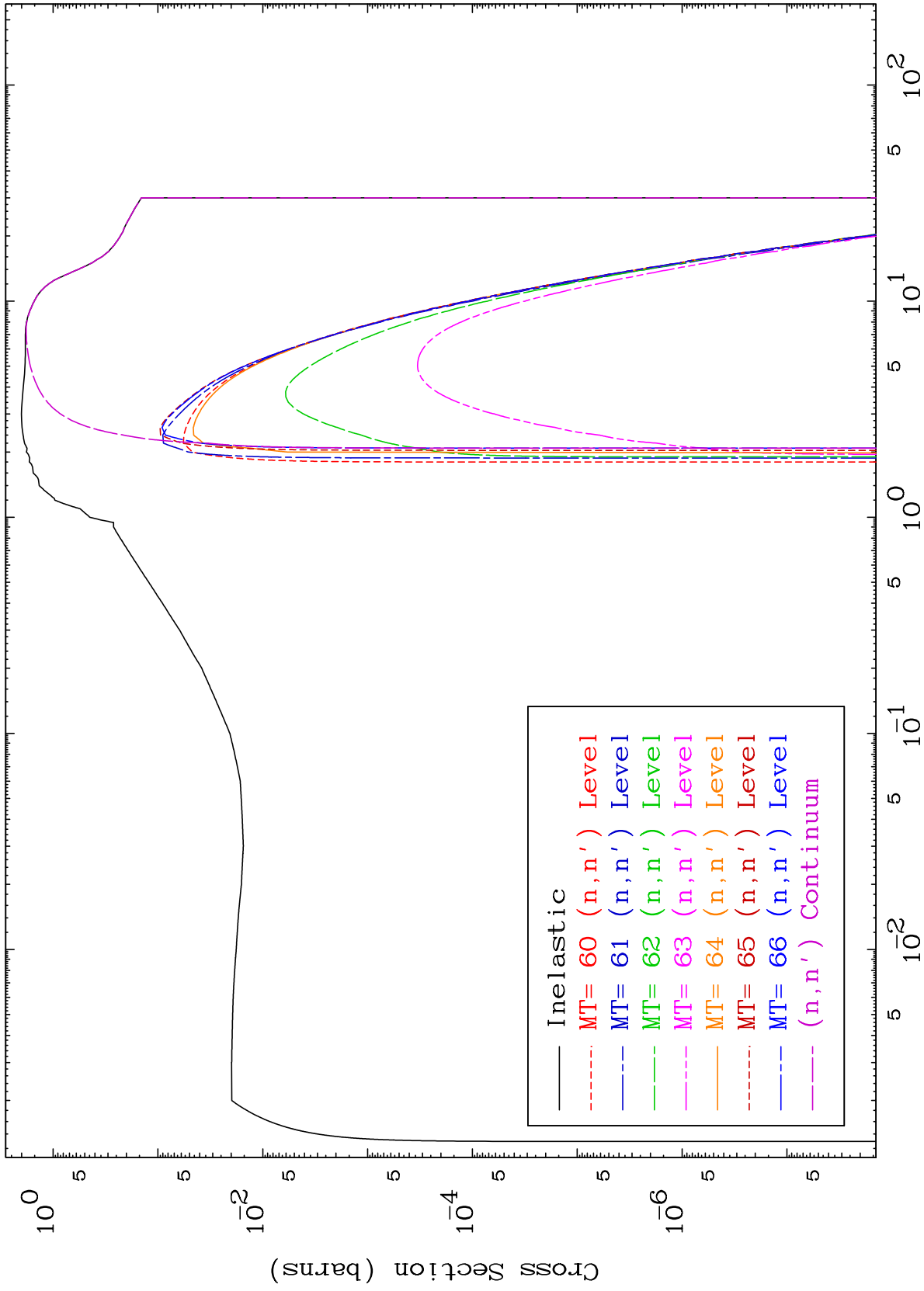
41-Nb-91m



MAT 4120

293 Kelvin Cross Sections  
(n,n') Levels

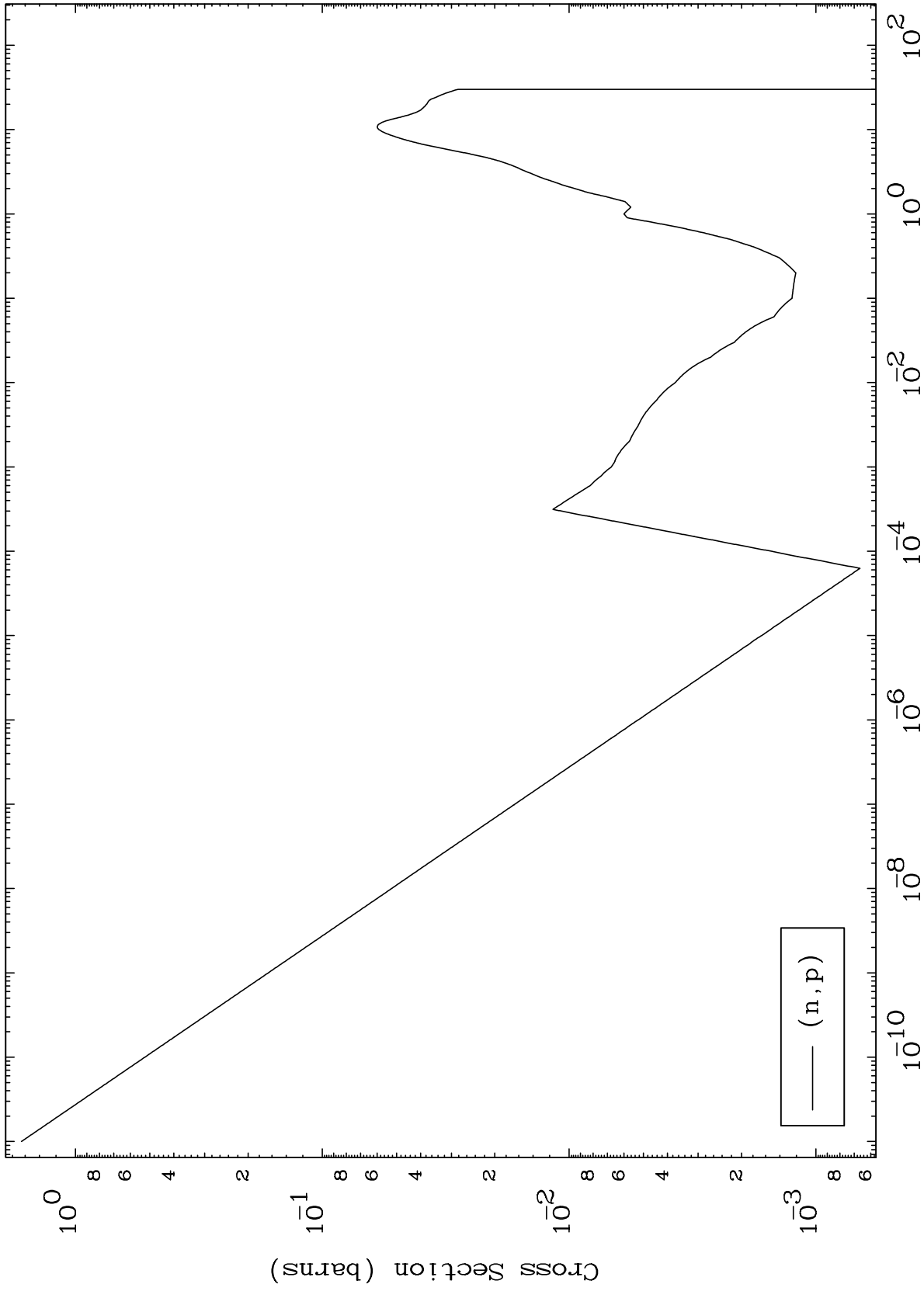
41-Nb-91m



MAT 4120

(n,p) Levels  
293 Kelvin Cross Sections

41-Nb-91m



10

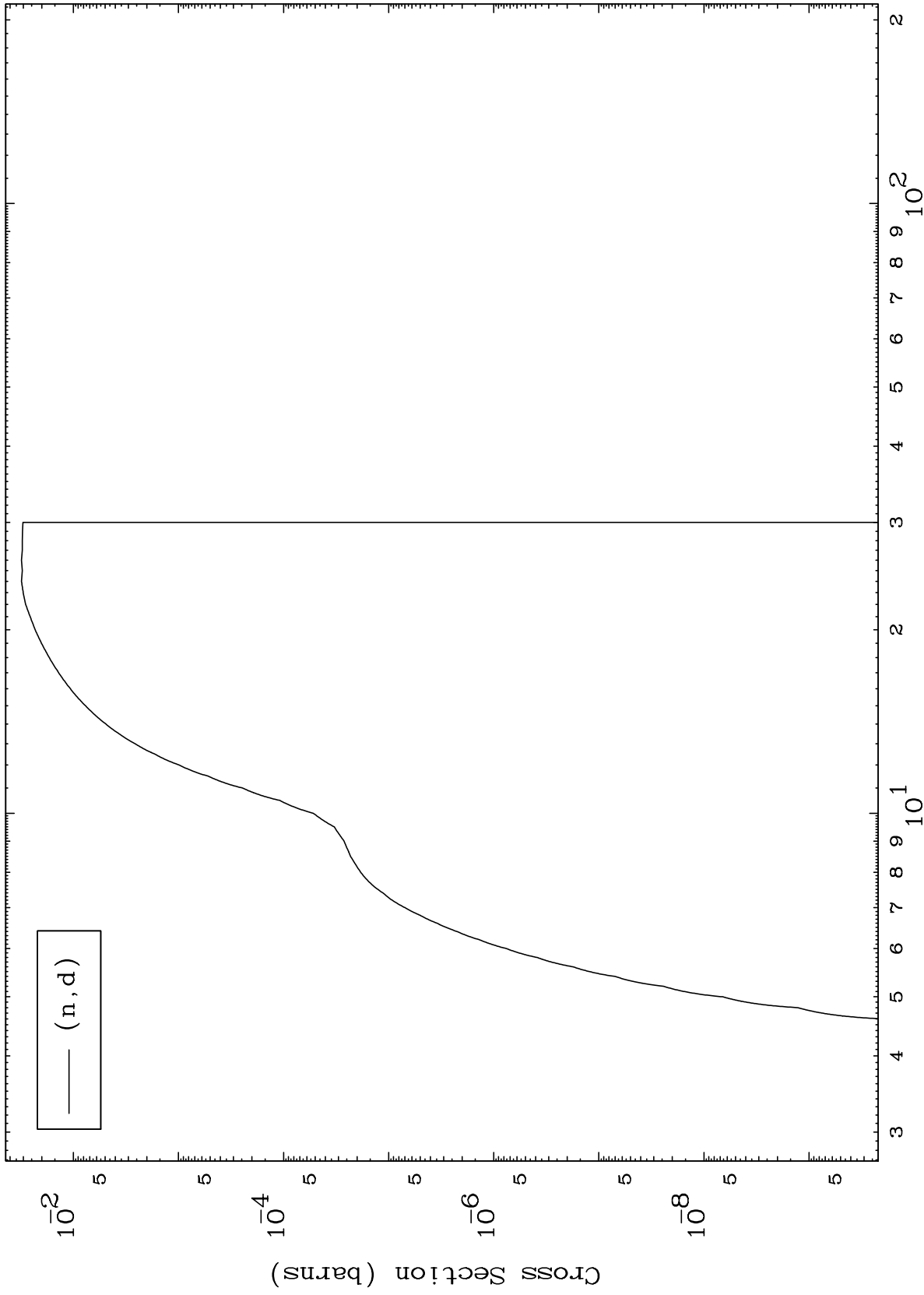
Incident Energy (MeV)

41-Nb-91m

MAT 4120

(n,d) Levels  
293 Kelvin Cross Sections

41-Nb-91m



11

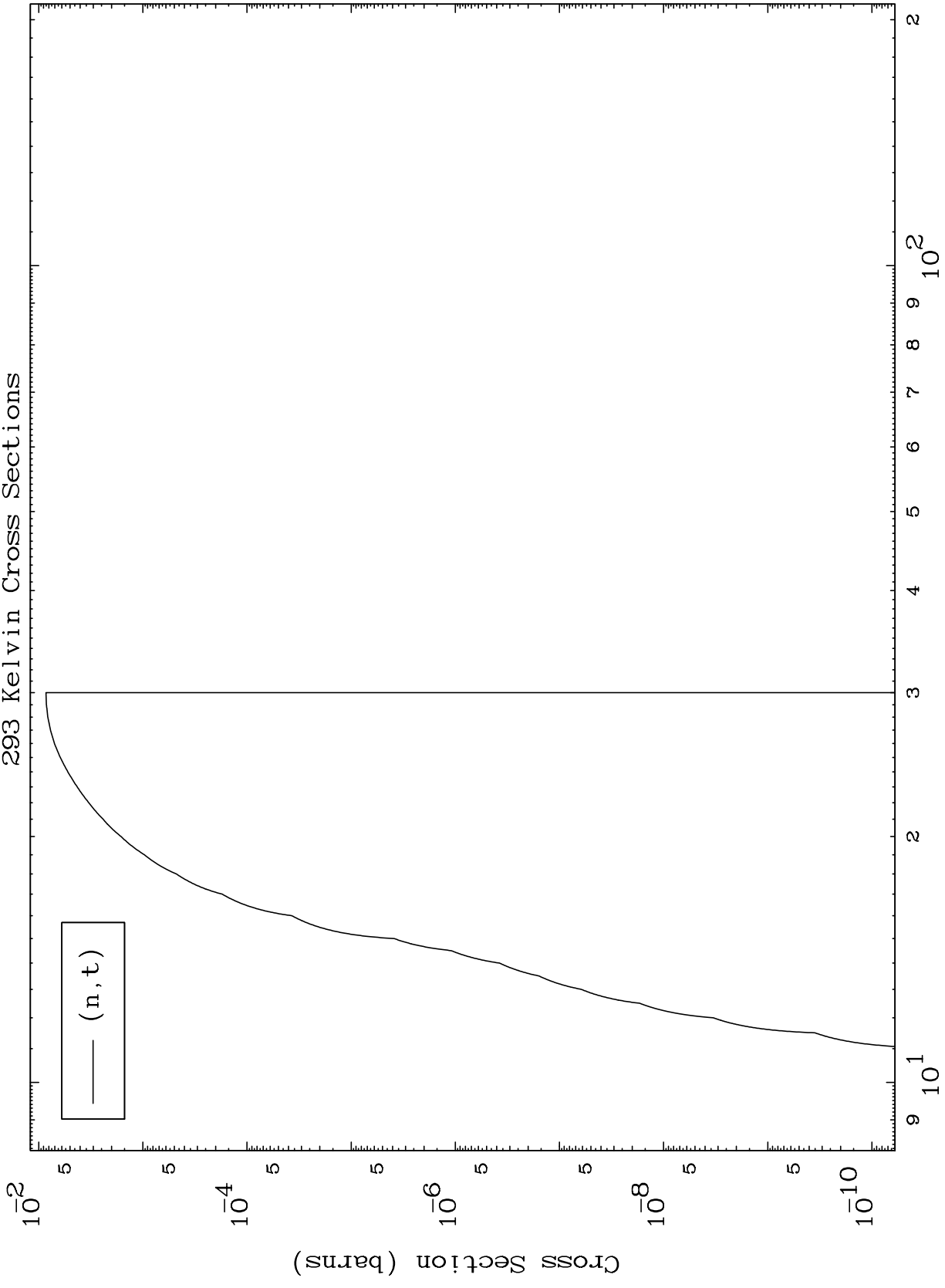
Incident Energy (MeV)

41-Nb-91m

MAT 4120

(n,t) Levels  
293 Kelvin Cross Sections

41-Nb-91m



12

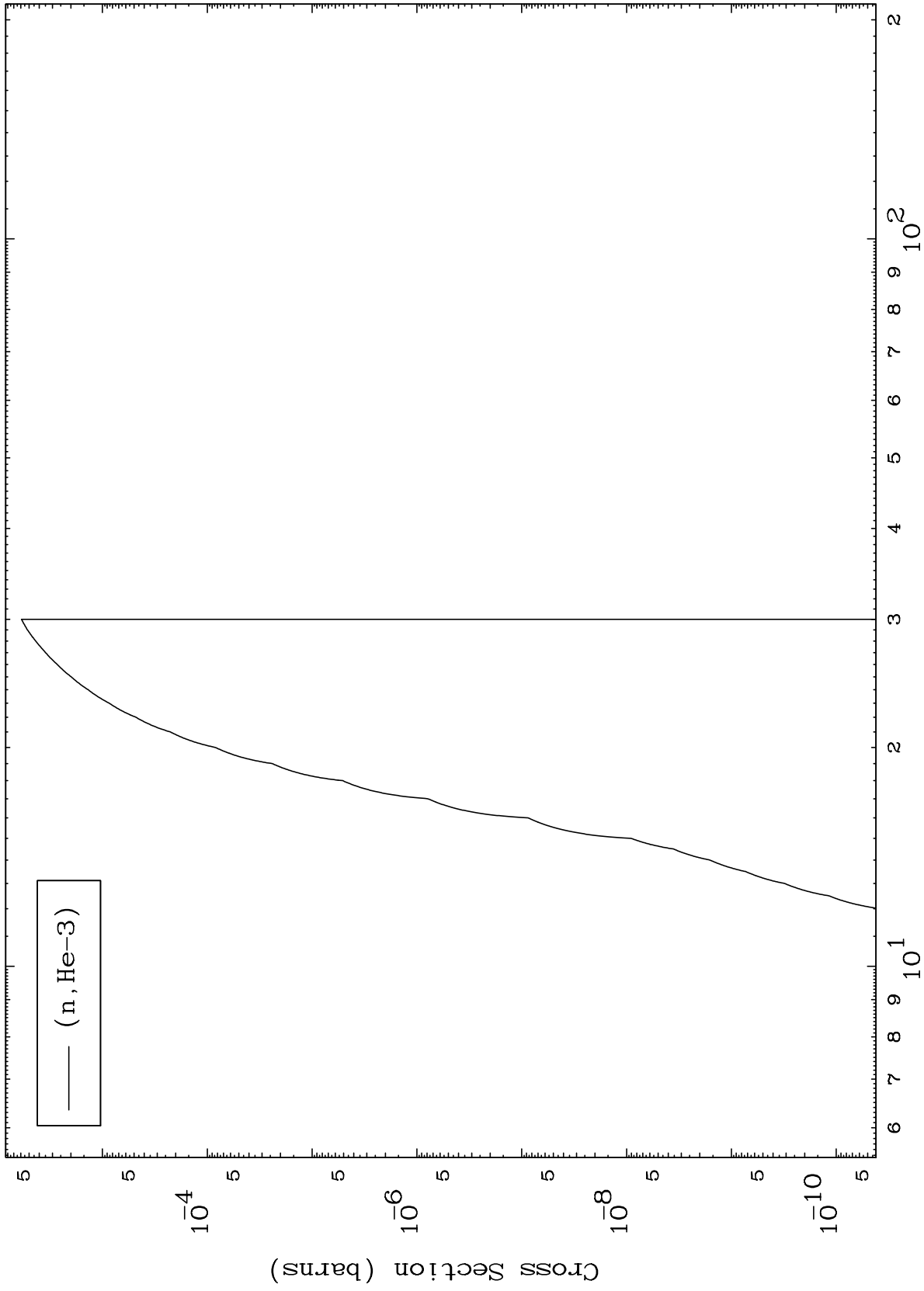
Incident Energy (MeV)

41-Nb-91m

MAT 4120

(n,He3) Levels  
293 Kelvin Cross Sections

41-Nb-91m



13

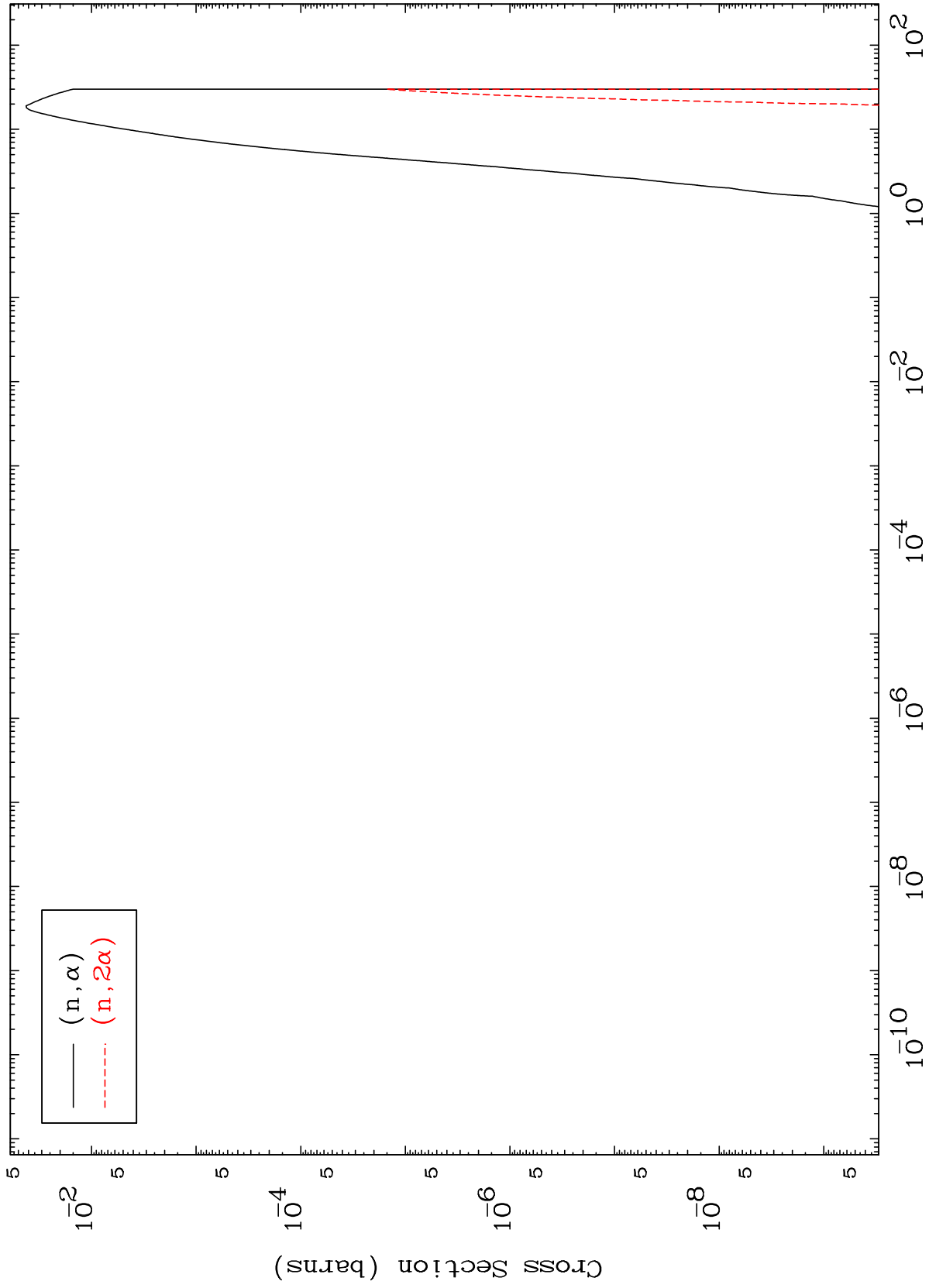
Incident Energy (MeV)

41-Nb-91m

MAT 4120

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

41-Nb-91m



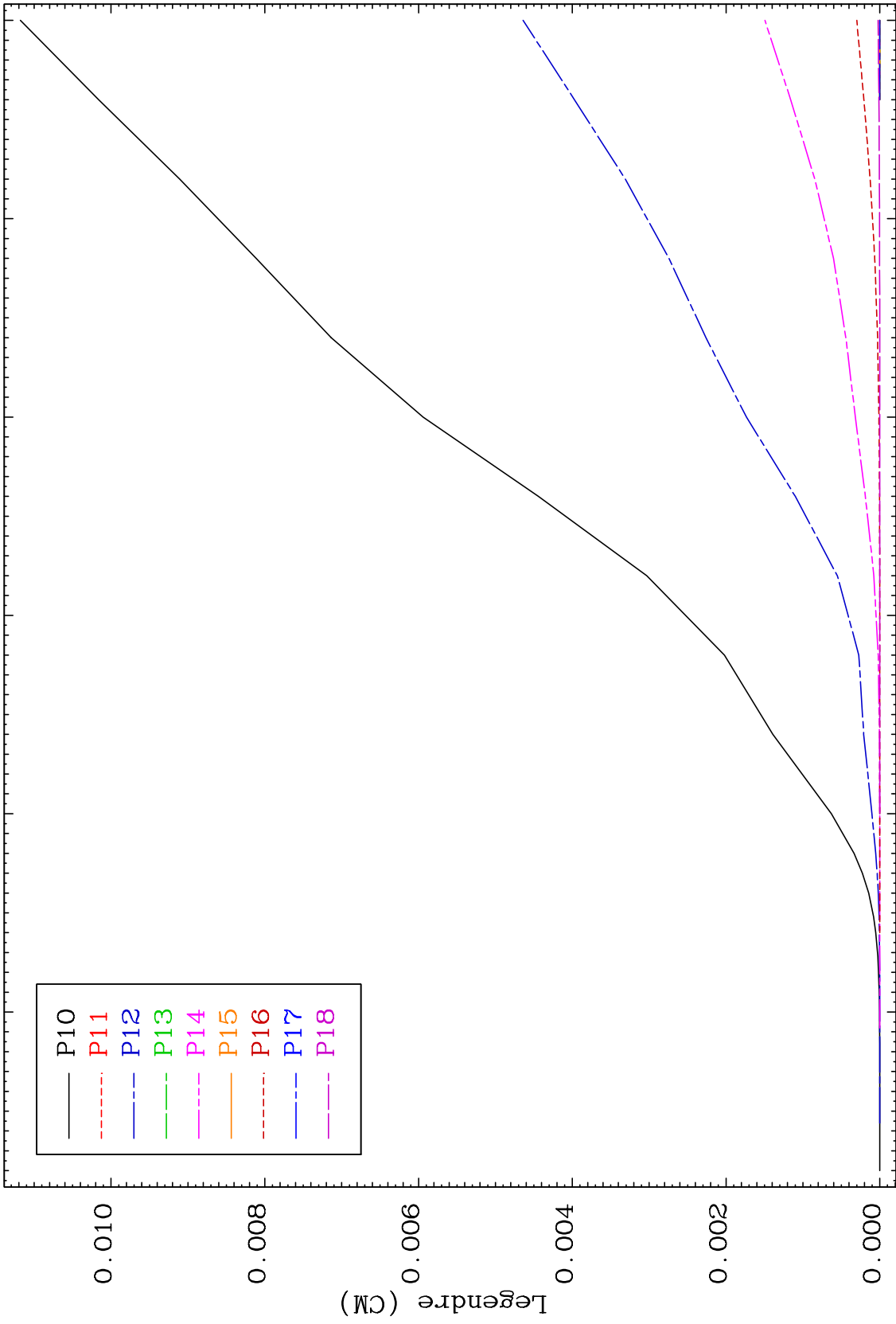




MAT 4120

Elastic Legendre Coefficients

41-Nb-91m



16

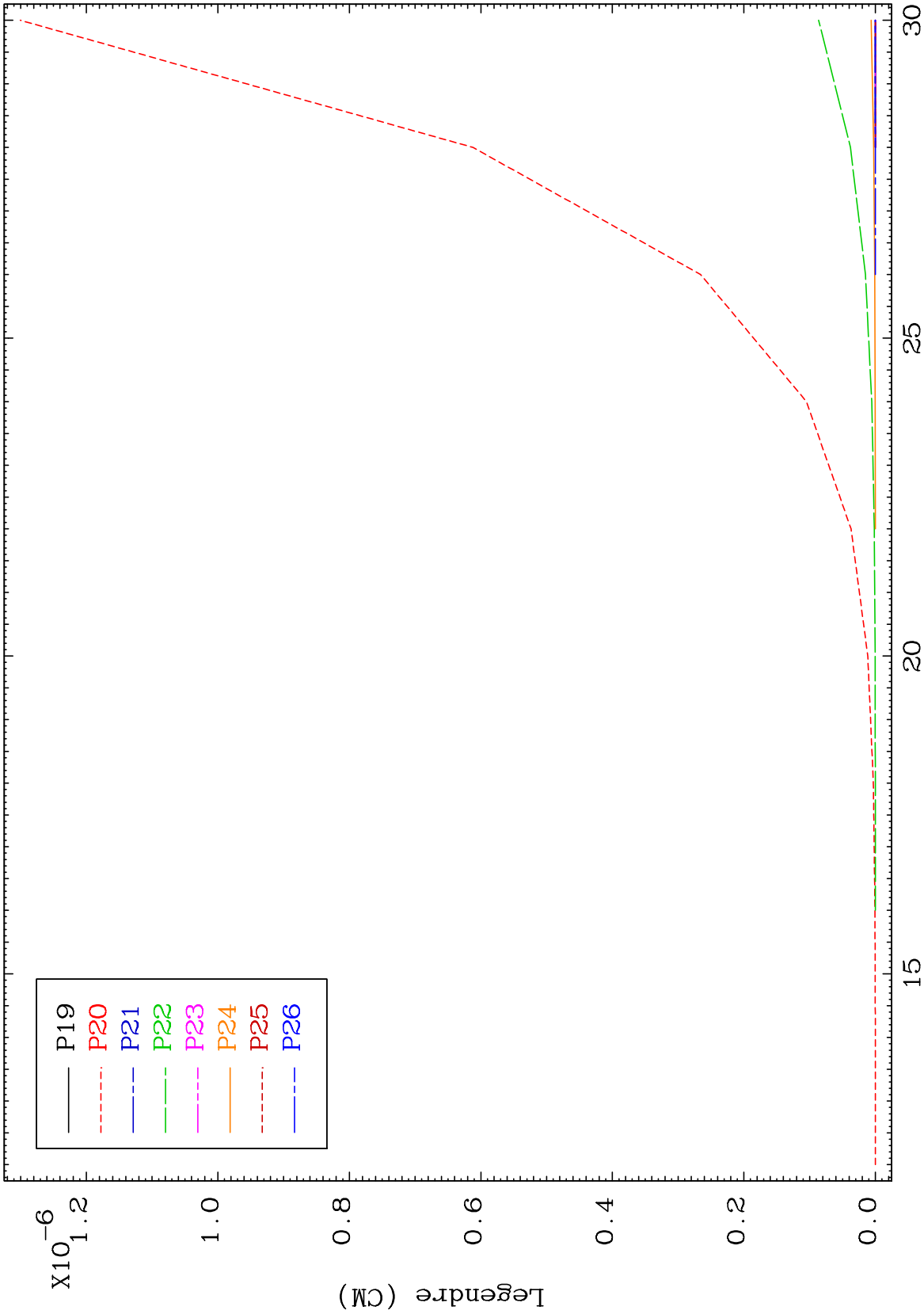
Incident Energy (MeV)

41-Nb-91m

MAT 4120

### Elastic Legendre Coefficients

41-Nb-91m



17

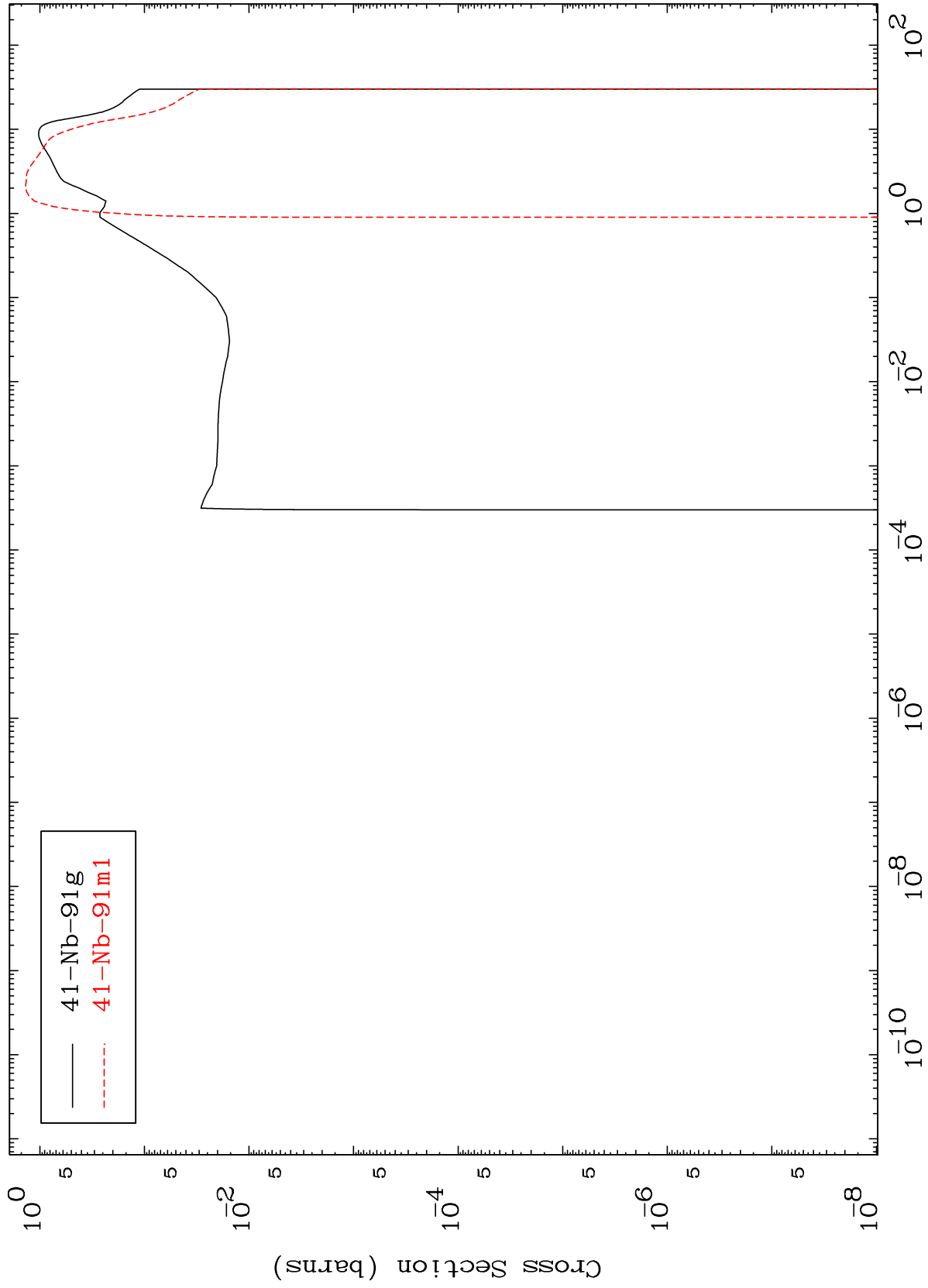
Incident Energy (MeV)

41-Nb-91m

MAT 4120

Inelastic  
Radionuclide Production Cross Section

41-Nb-91m

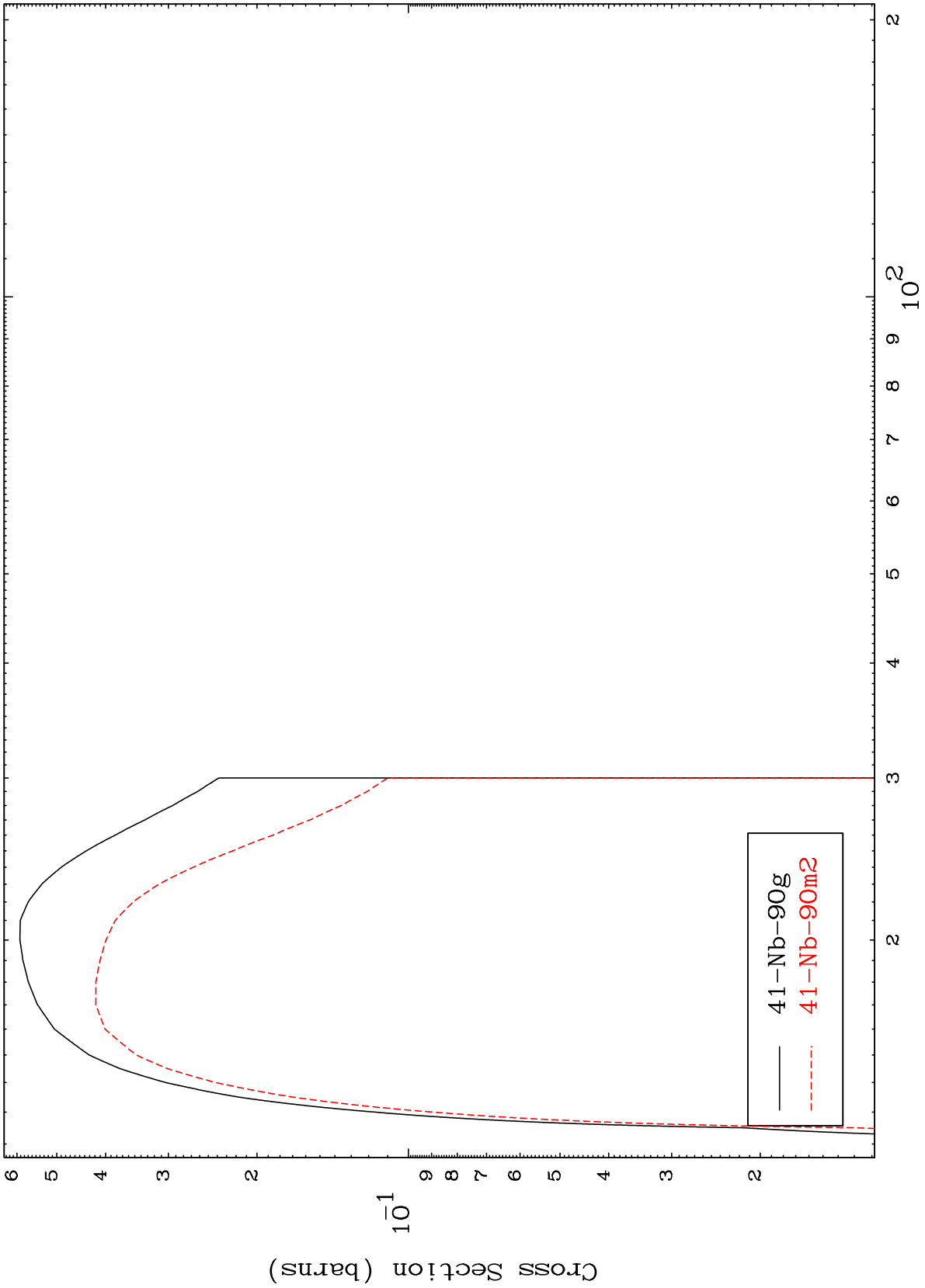


MAT 4120

(n,2n)

41-Nb-91m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

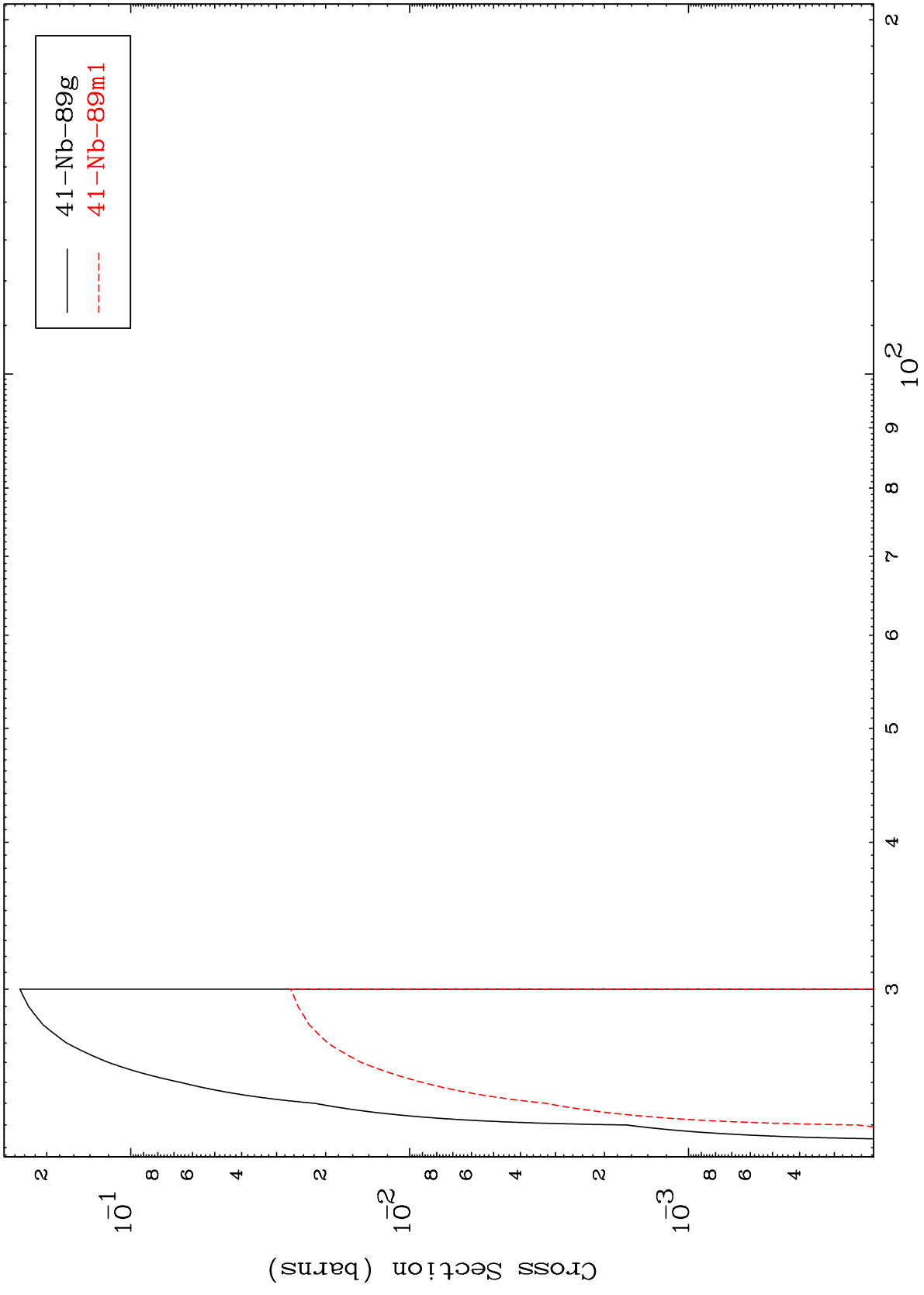
41-Nb-91m

MAT 4120

(n,3n)

41-Nb-91m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

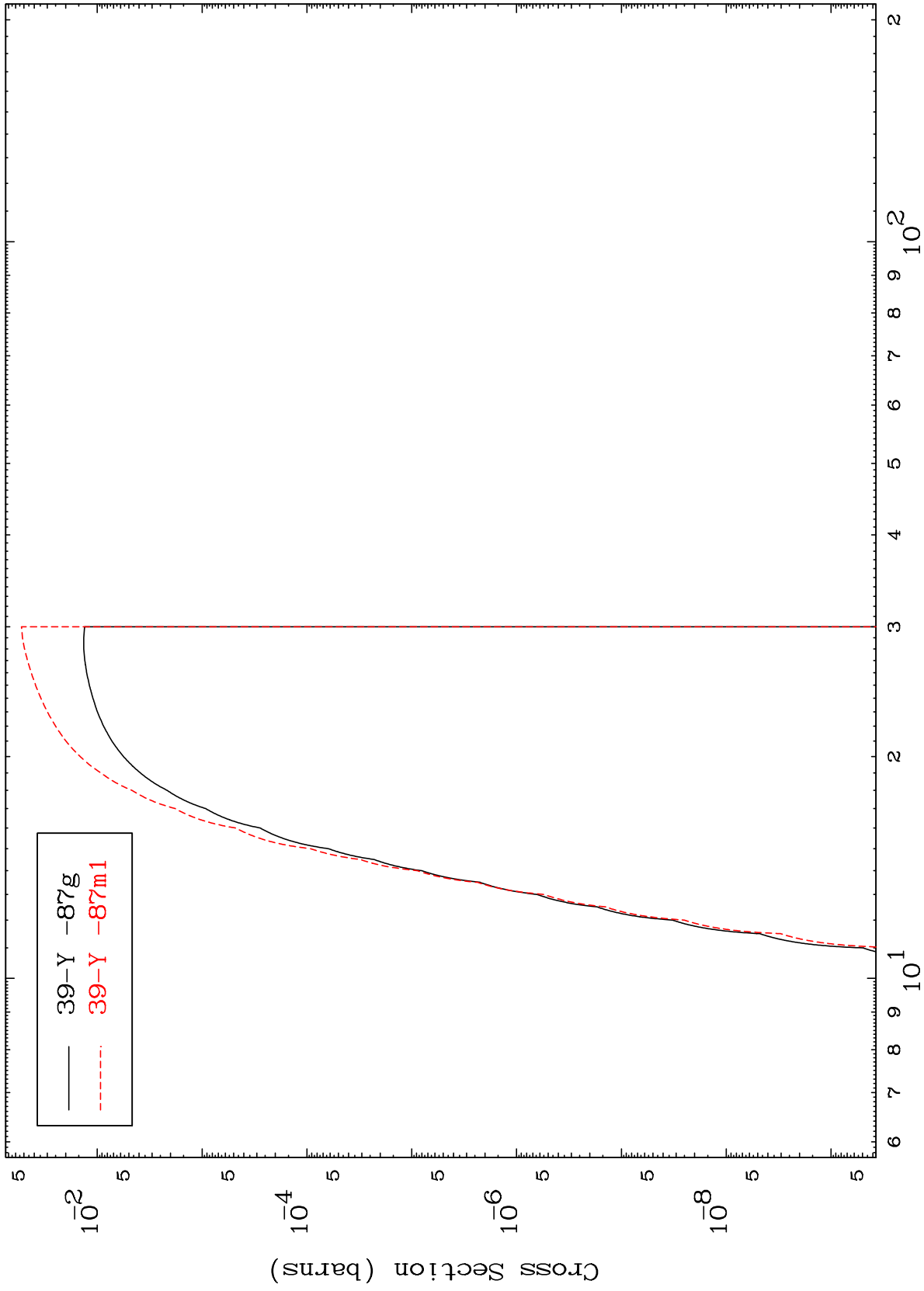
41-Nb-91m

MAT 4120

(n,n')  $\alpha$

41-Nb-91m

Radionuclide Production Cross Section



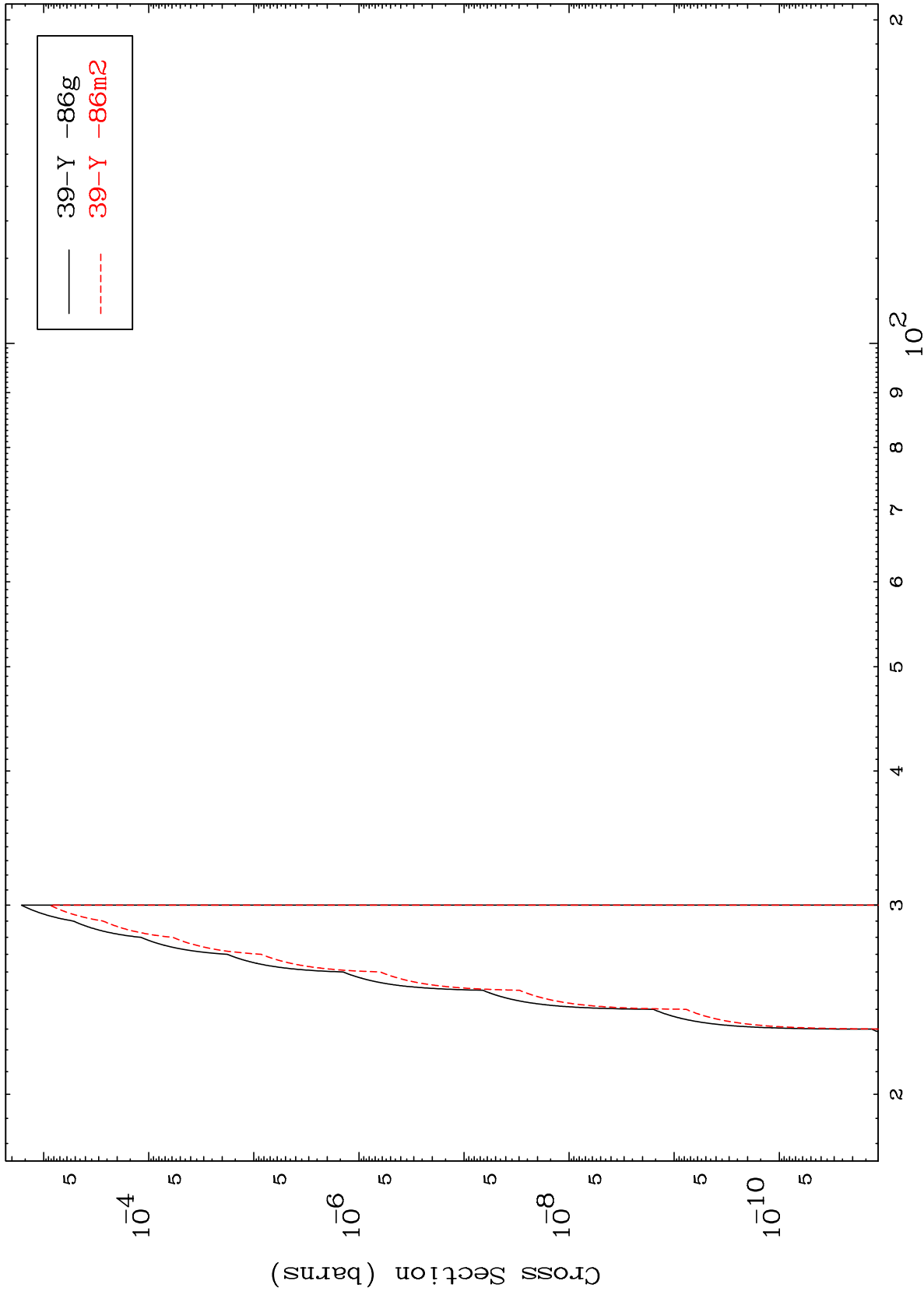
39-Y -87g  
39-Y -87m1

MAT 4120

(n,2n)  $\alpha$

41-Nb-91m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

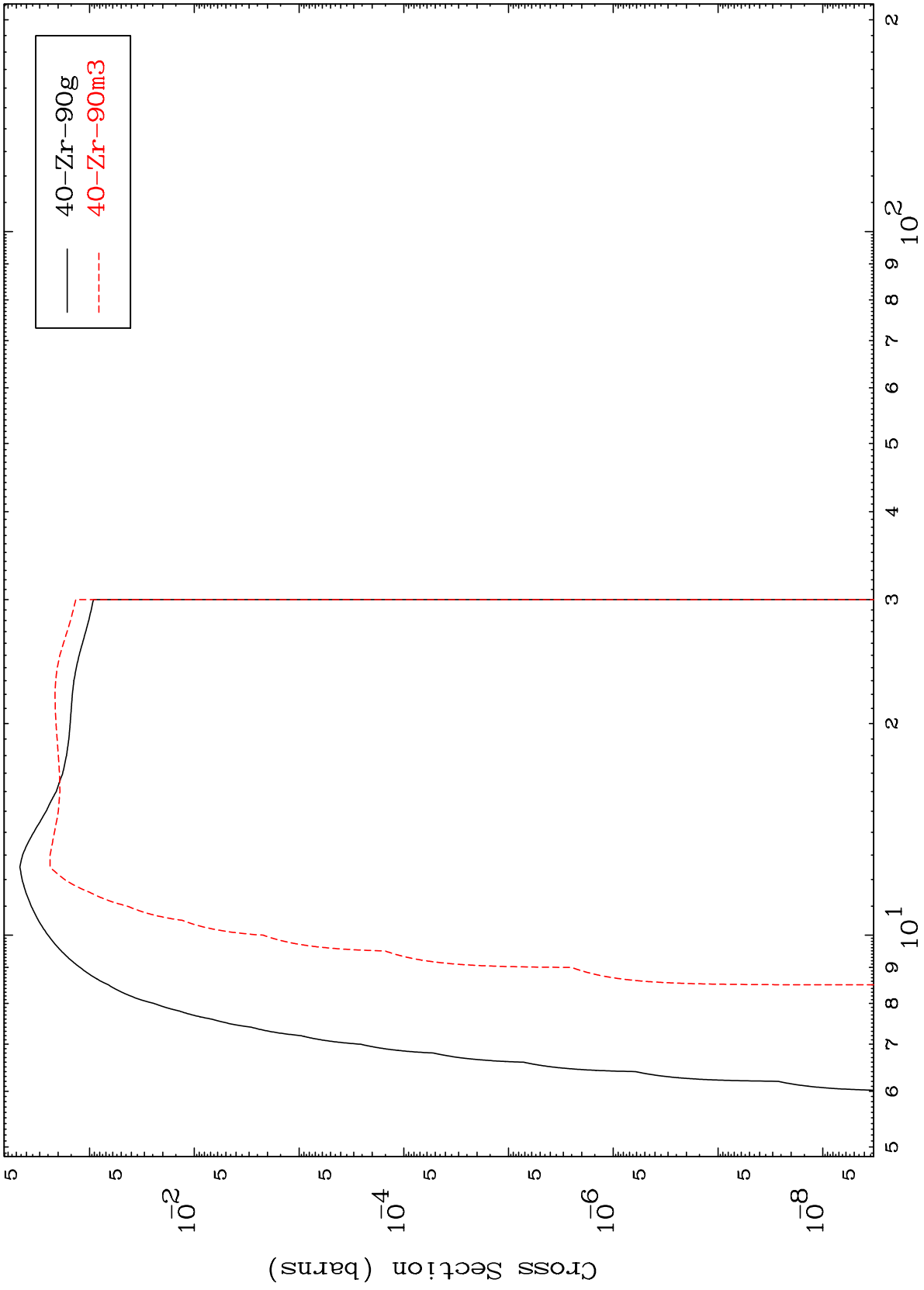
41-Nb-91m

MAT 4120

(n, n') p

41-Nb-91m

### Radionuclide Production Cross Section



23

Incident Energy (MeV)

41-Nb-91m

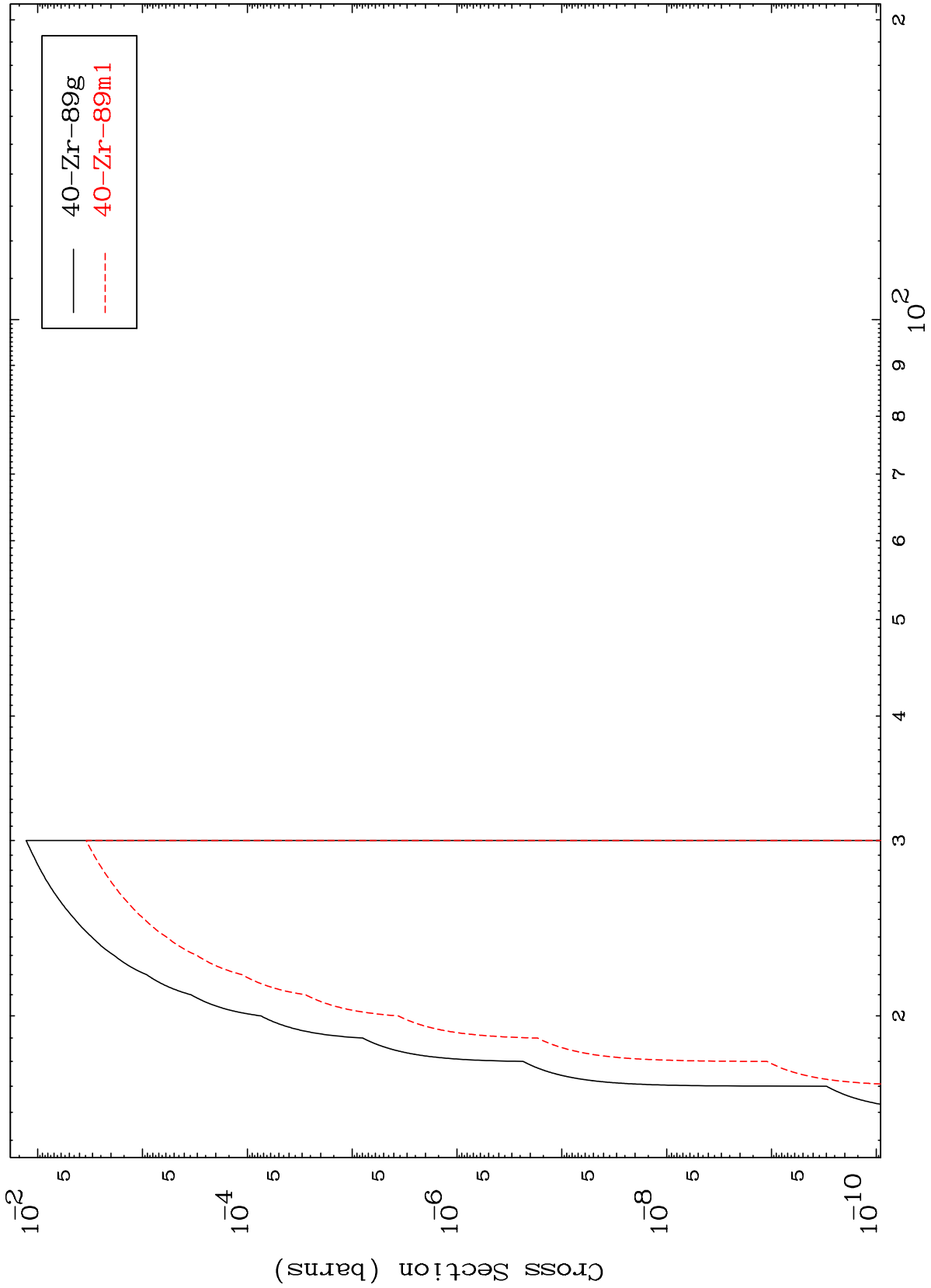


MAT 4120

(n,n') d

41-Nb-91m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

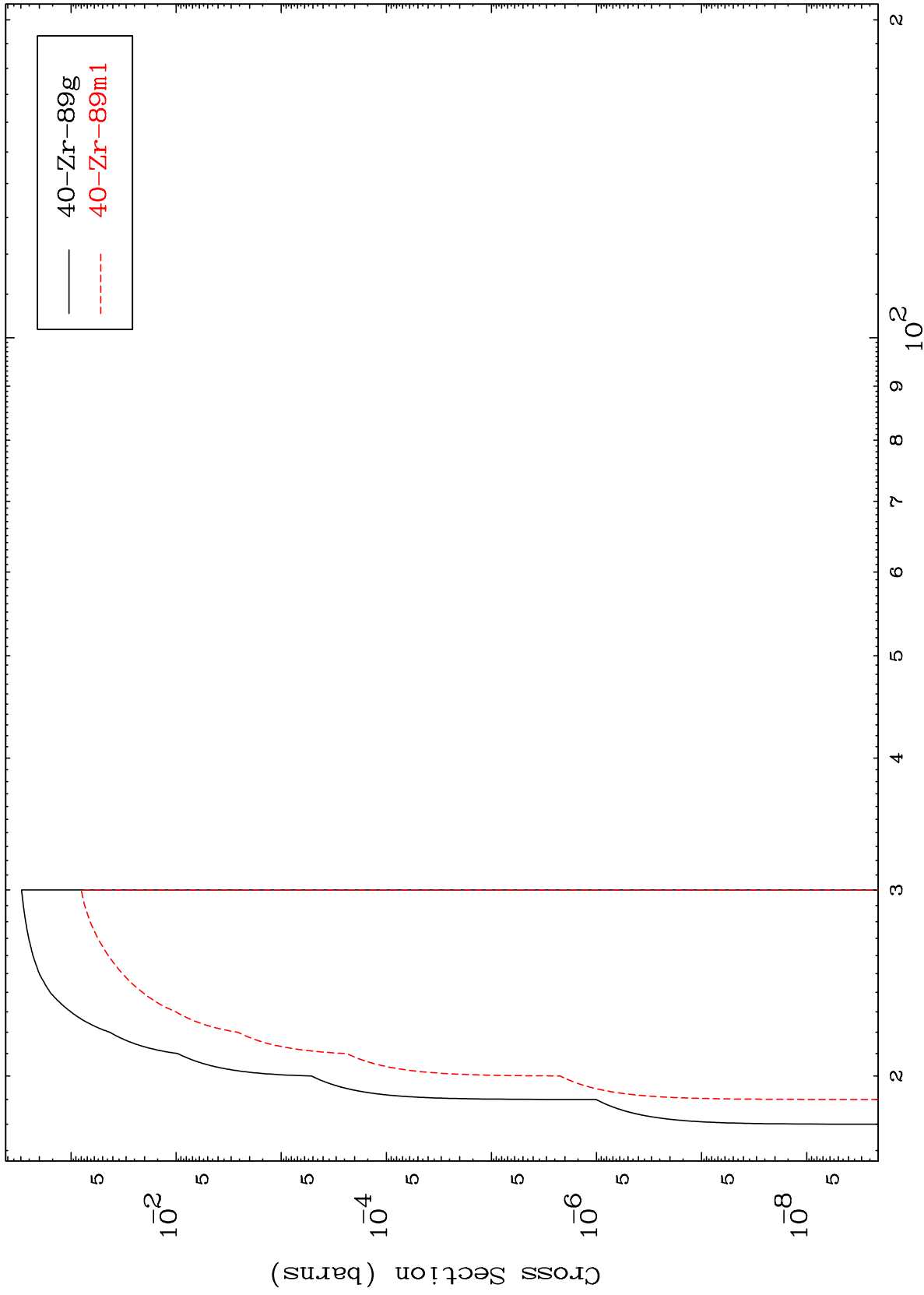
41-Nb-91m

MAT 4120

(n,2n) p

41-Nb-91m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

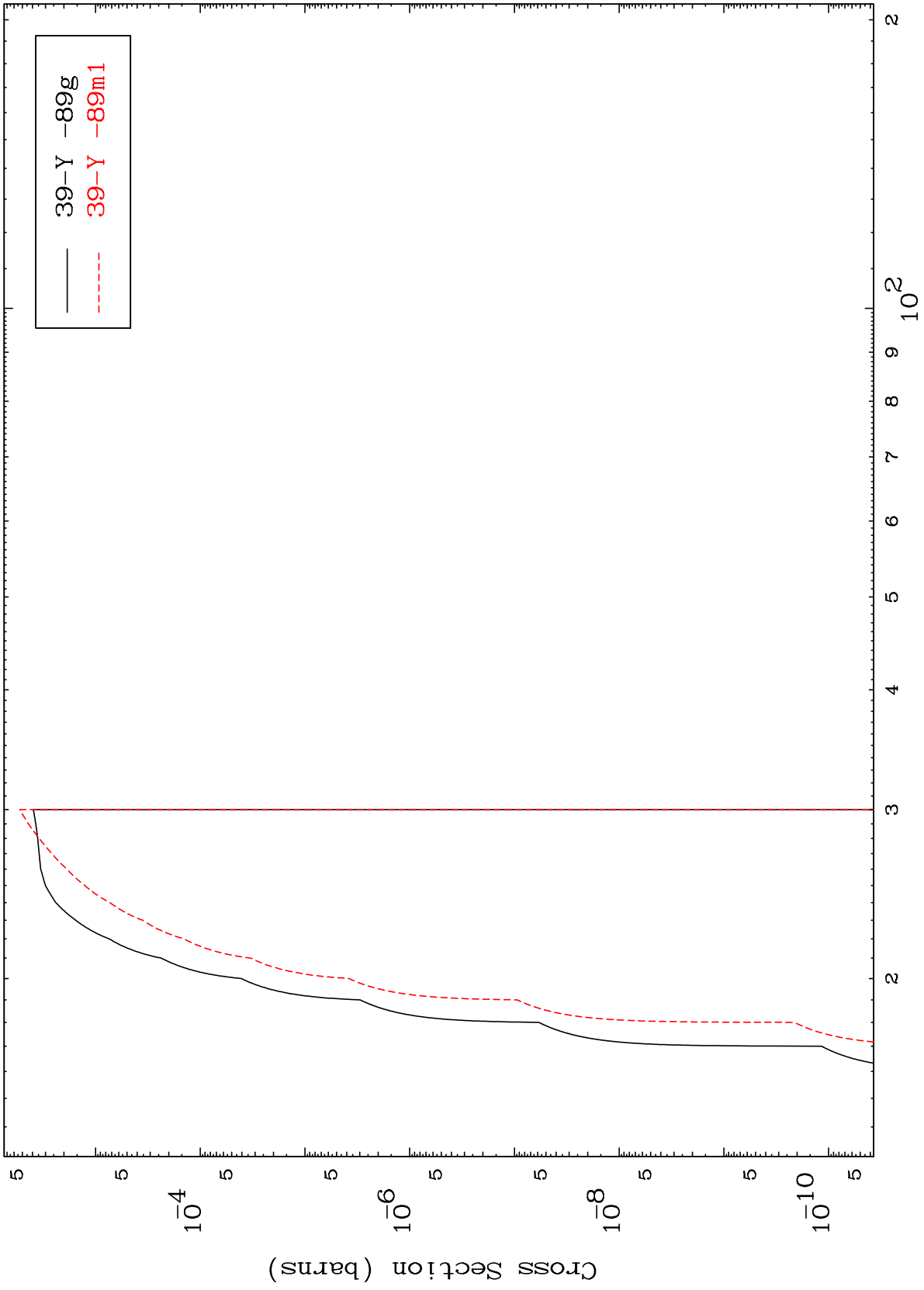
41-Nb-91m

MAT 4120

(n,2n) p

41-Nb-91m

Radionuclide Production Cross Section



26

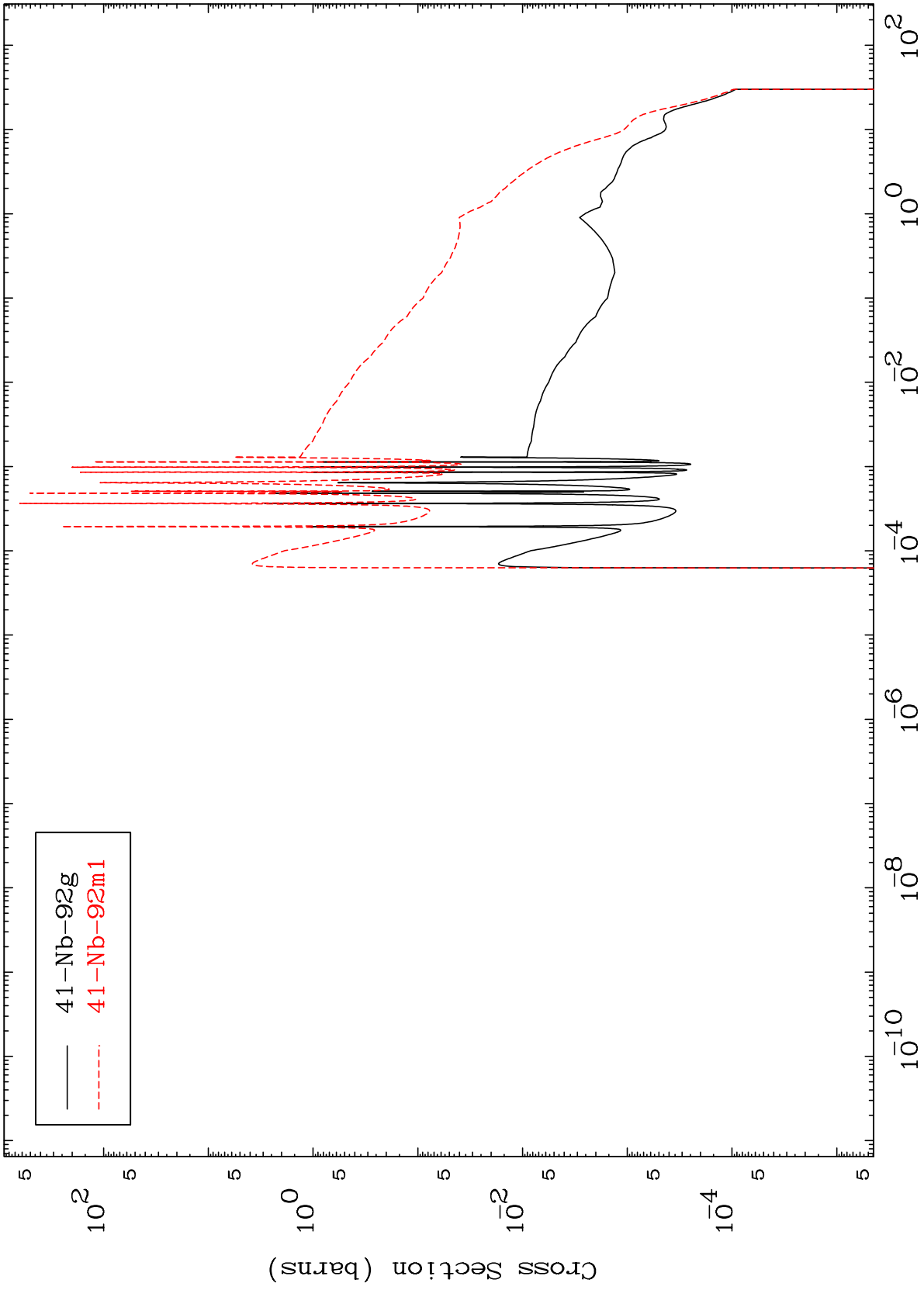
Incident Energy (MeV)

41-Nb-91m

MAT 4120

41-Nb-91m

Radionuclide Production Cross Section (n,γ)



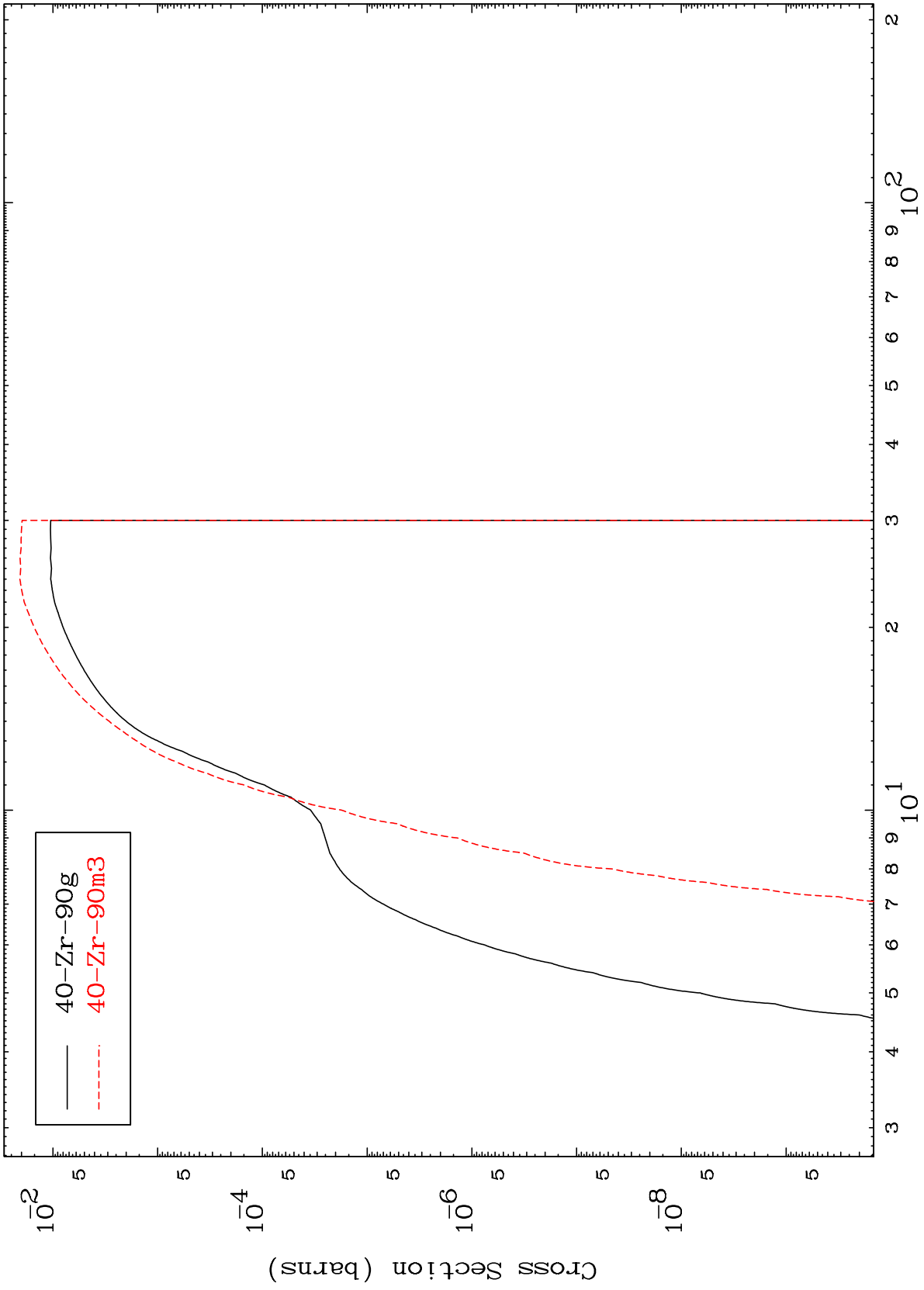
27

41-Nb-91m

MAT 4120

41-Nb-91m

(n,d)  
Radionuclide Production Cross Section



28

Incident Energy (MeV)

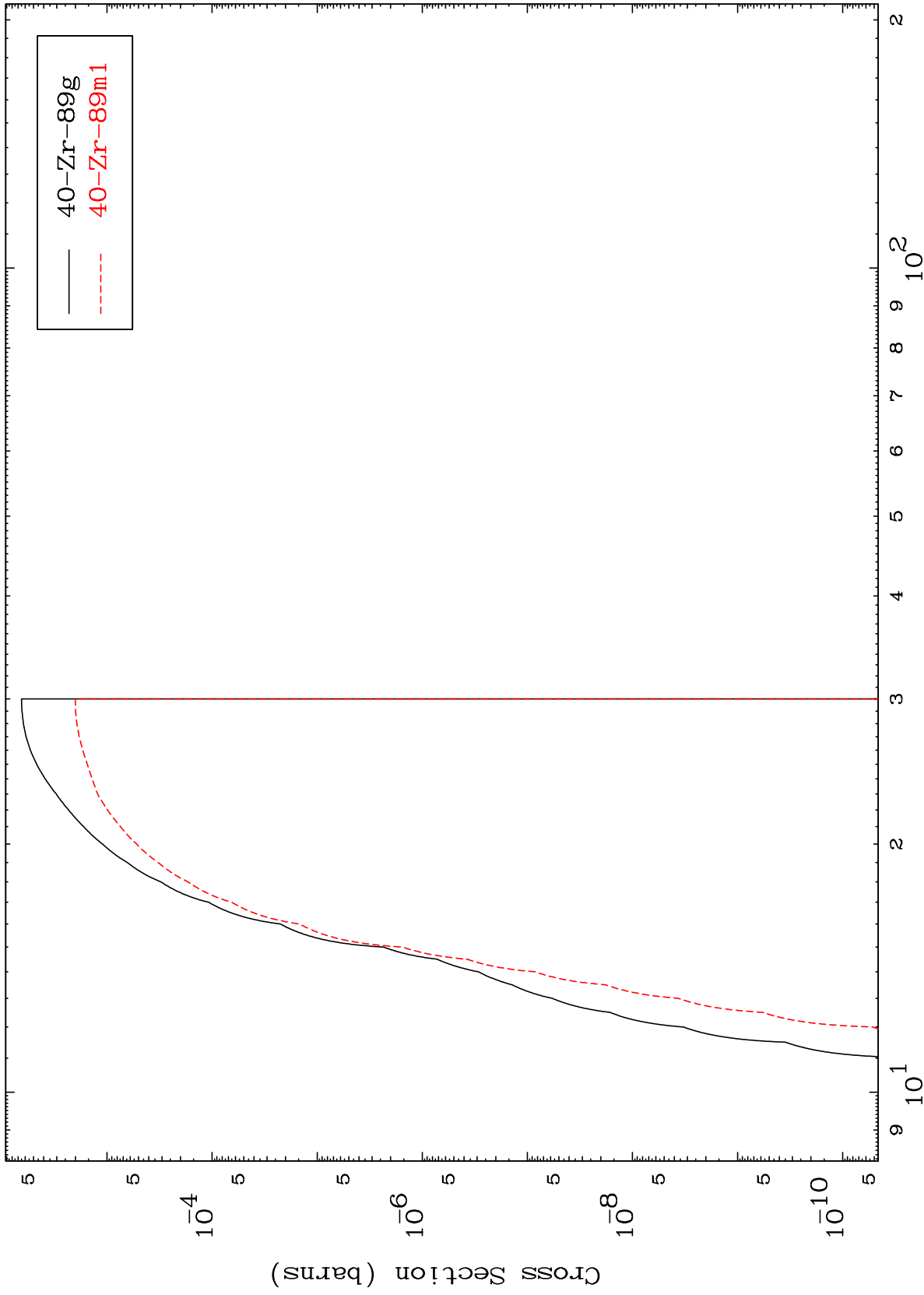
41-Nb-91m

MAT 4120

(n, t)

41-Nb-91m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

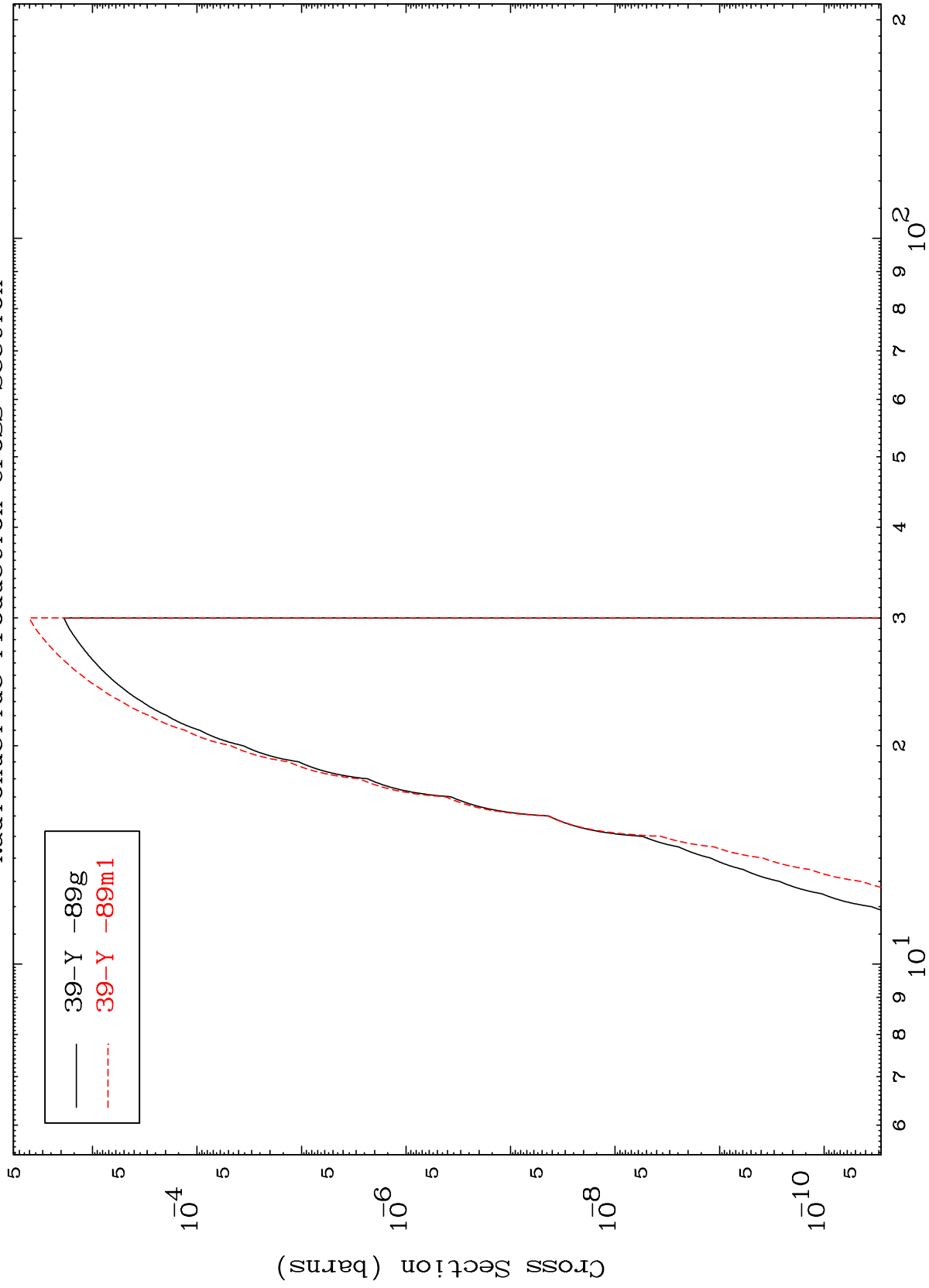
41-Nb-91m

MAT 4120

(n,He-3)

41-Nb-91m

Radionuclide Production Cross Section



30

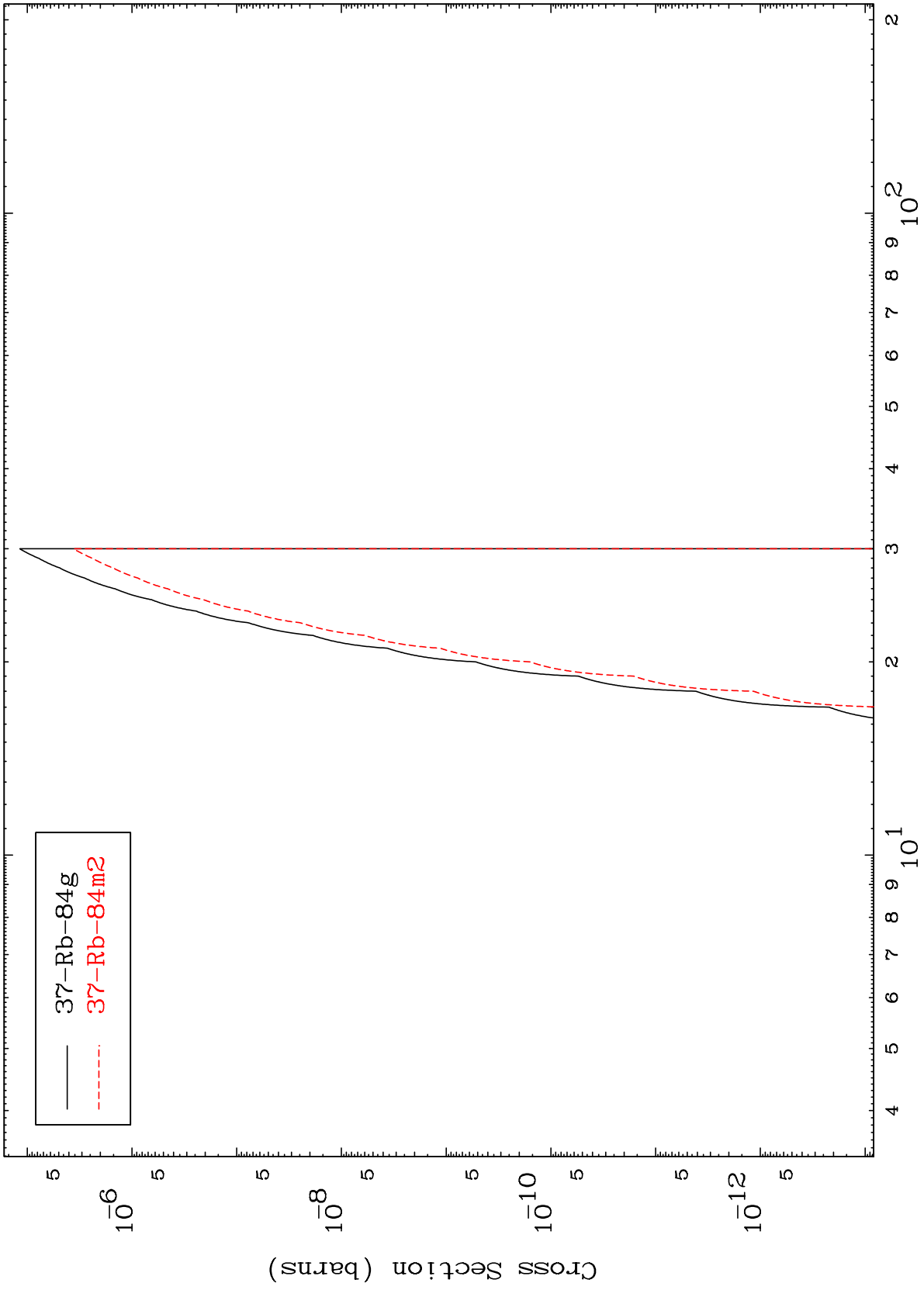
Incident Energy (MeV)

41-Nb-91m

MAT 4120

41-Nb-91m

Radionuclide Production Cross Section  
(n, 2α)



31

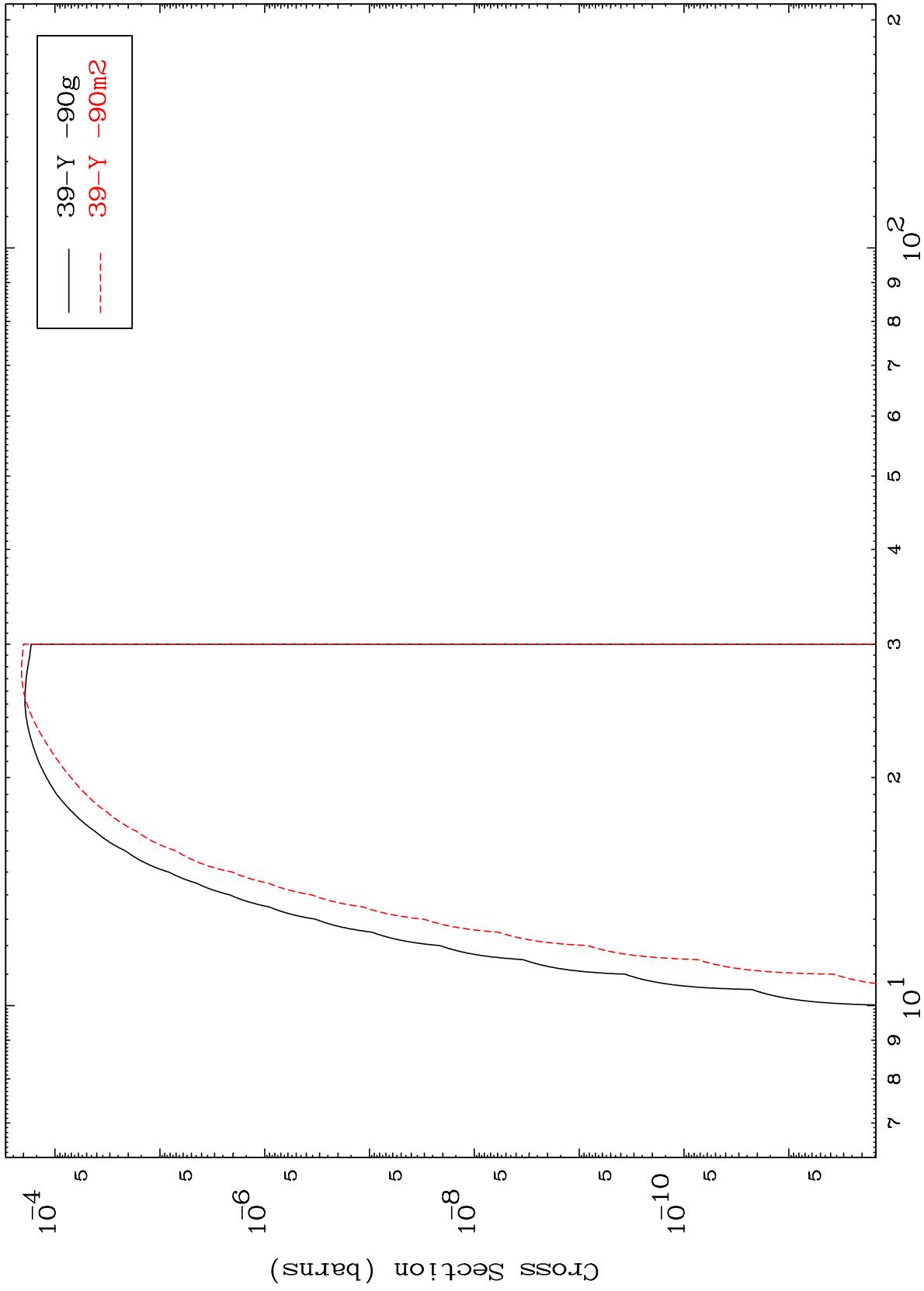
41-Nb-91m



MAT 4120

41-Nb-91m

(n,2p)  
Radionuclide Production Cross Section



32

Incident Energy (MeV)

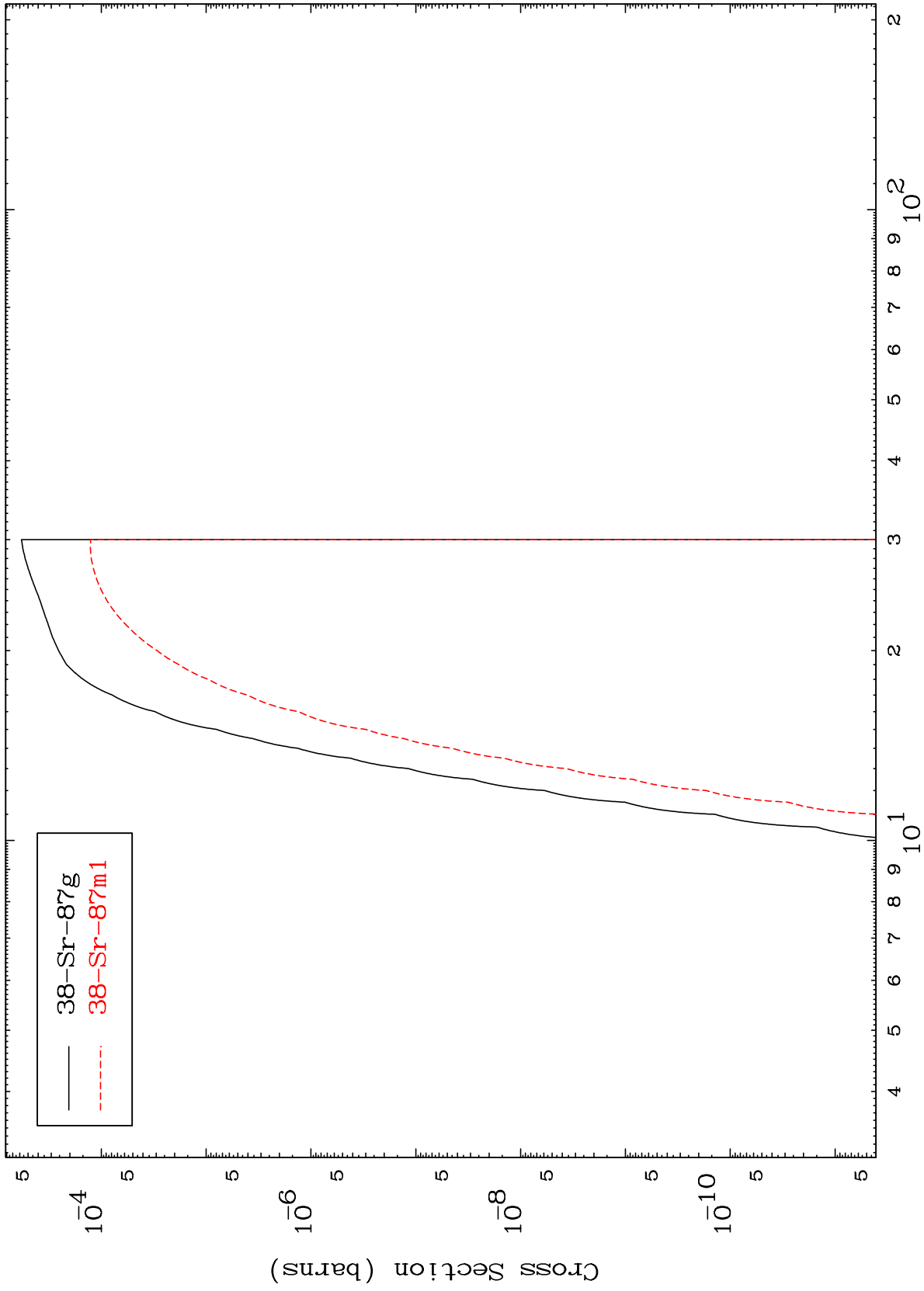
41-Nb-91m

MAT 4120

(n,p)  $\alpha$

41-Nb-91m

Radionuclide Production Cross Section



33

Incident Energy (MeV)

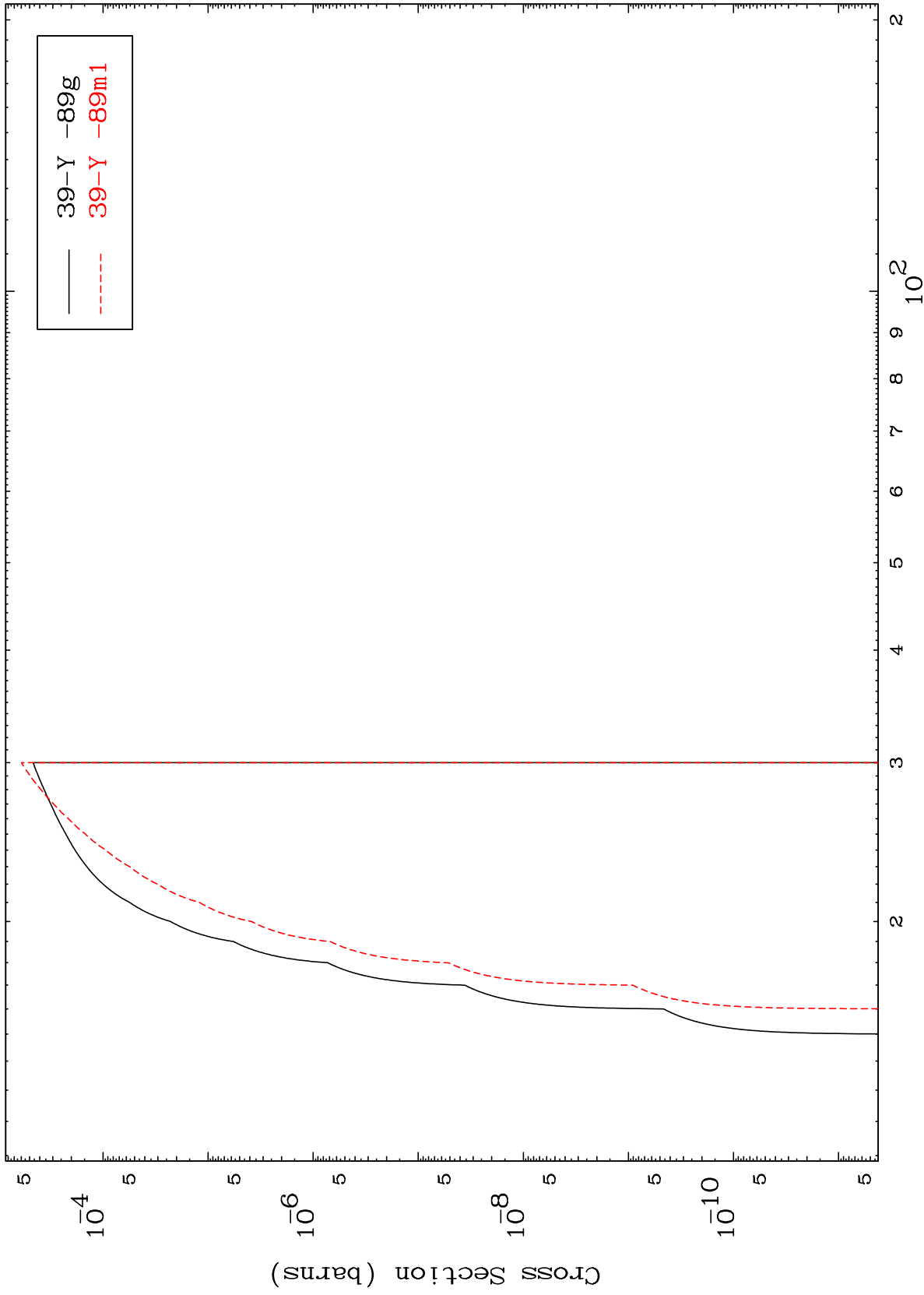
41-Nb-91m

MAT 4120

(n,p) d

41-Nb-91m

Radionuclide Production Cross Section



34

Incident Energy (MeV)

41-Nb-91m