

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](mailto:redcullen1@comcast.net)

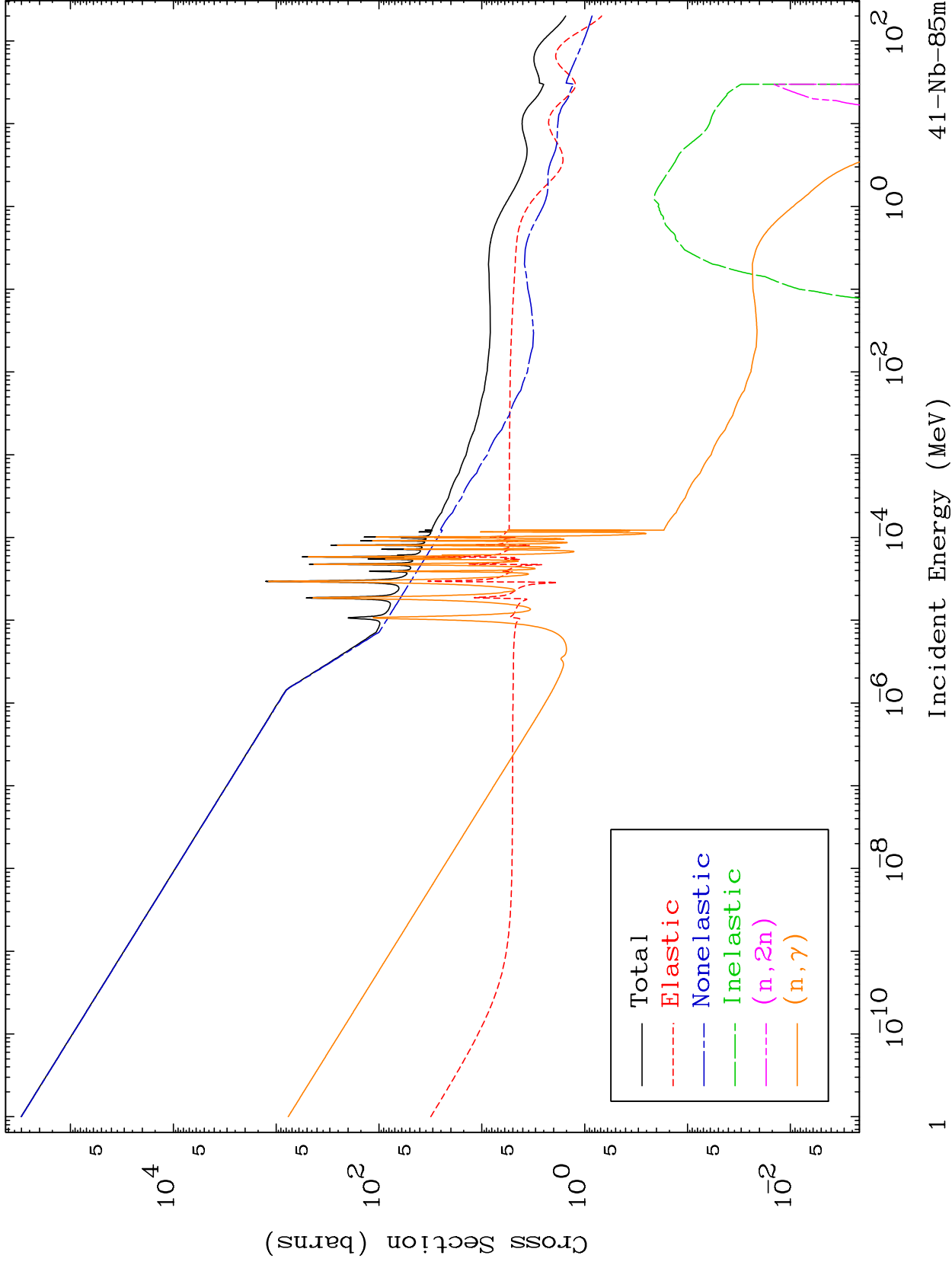
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

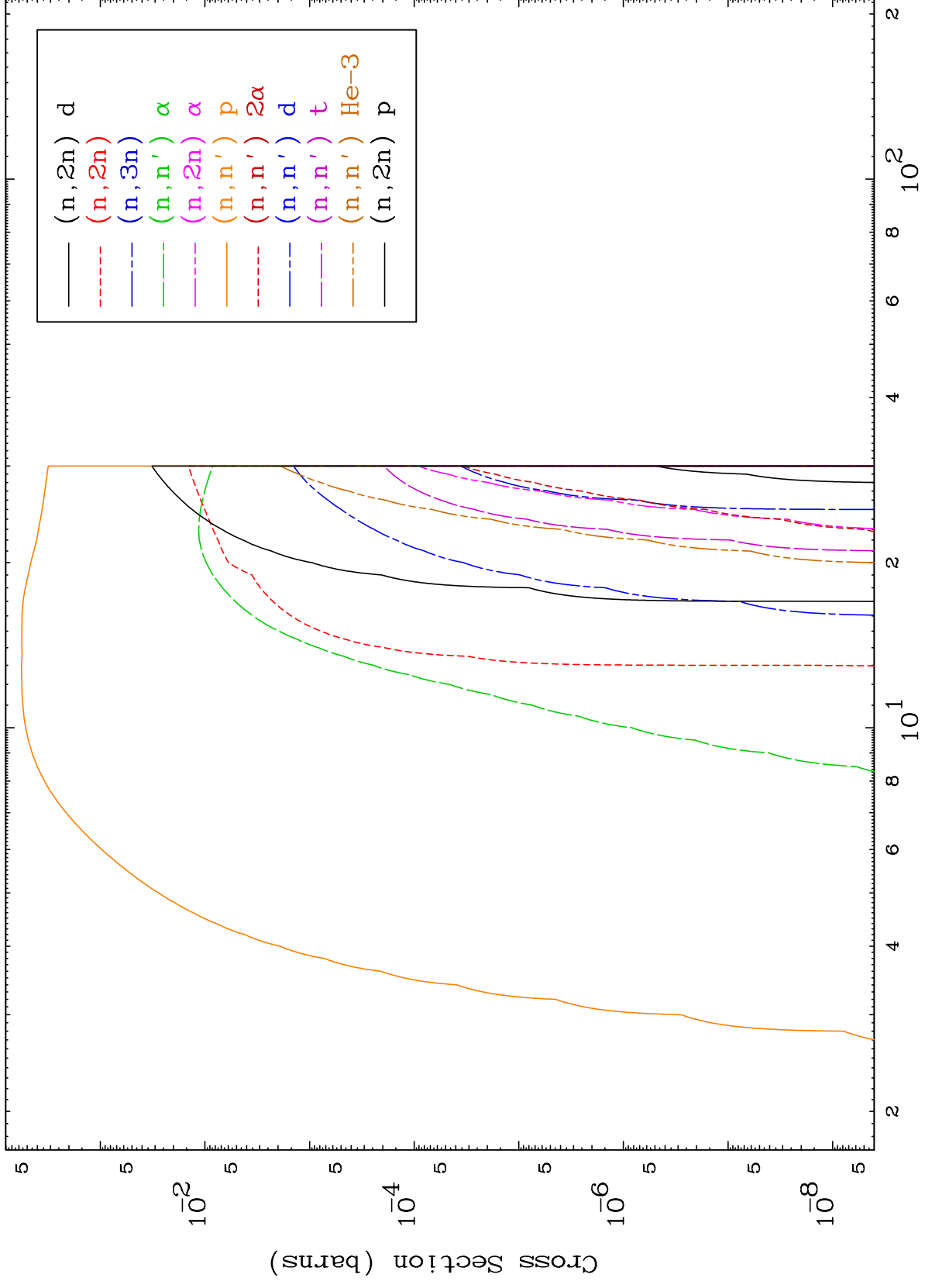
MAT 4102

Neutron Major  
293 Kelvin Cross Sections

41-Nb-85m



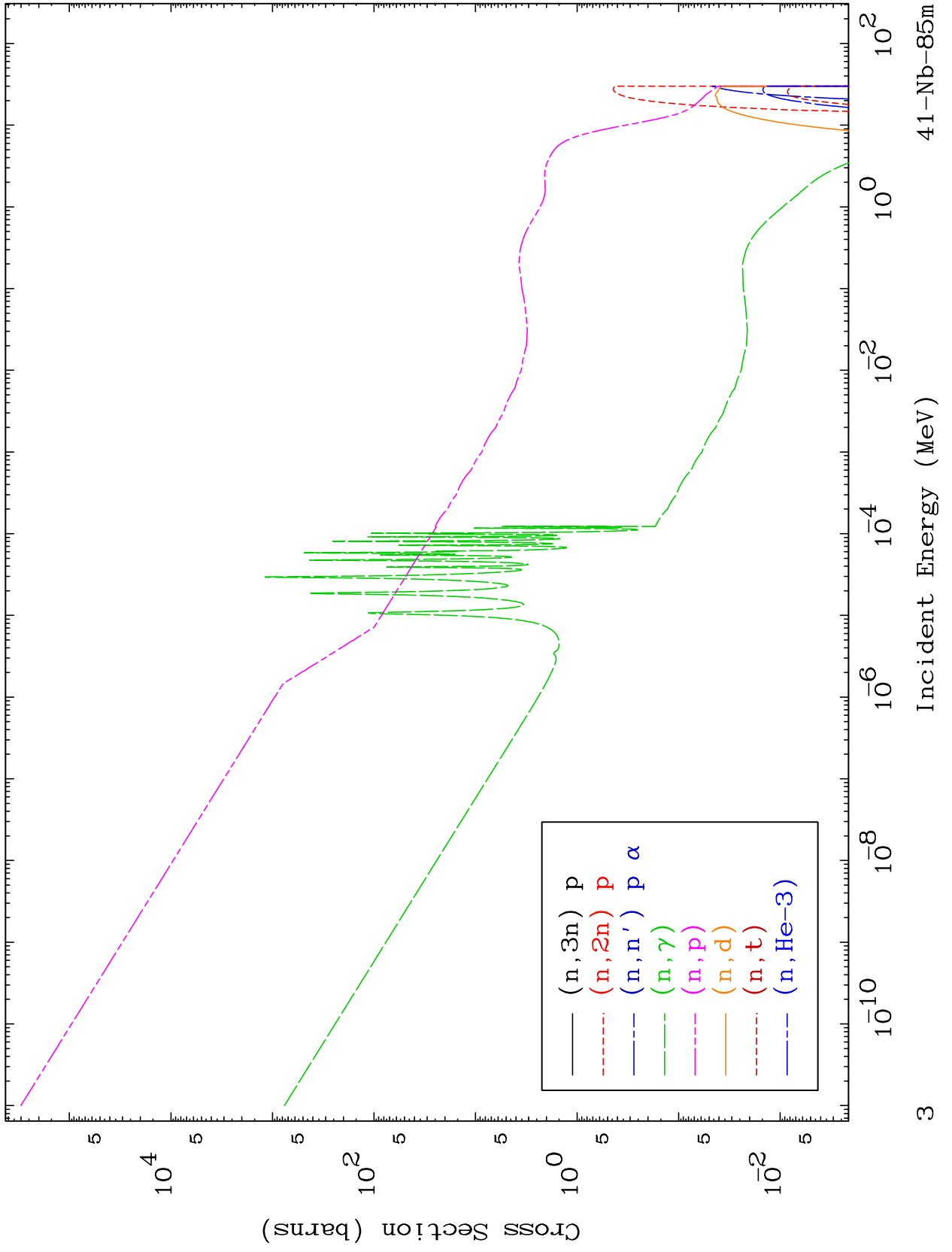
Neutron Absorption  
293 Kelvin Cross Sections



MAT 4102

Neutron Absorption  
293 Kelvin Cross Sections

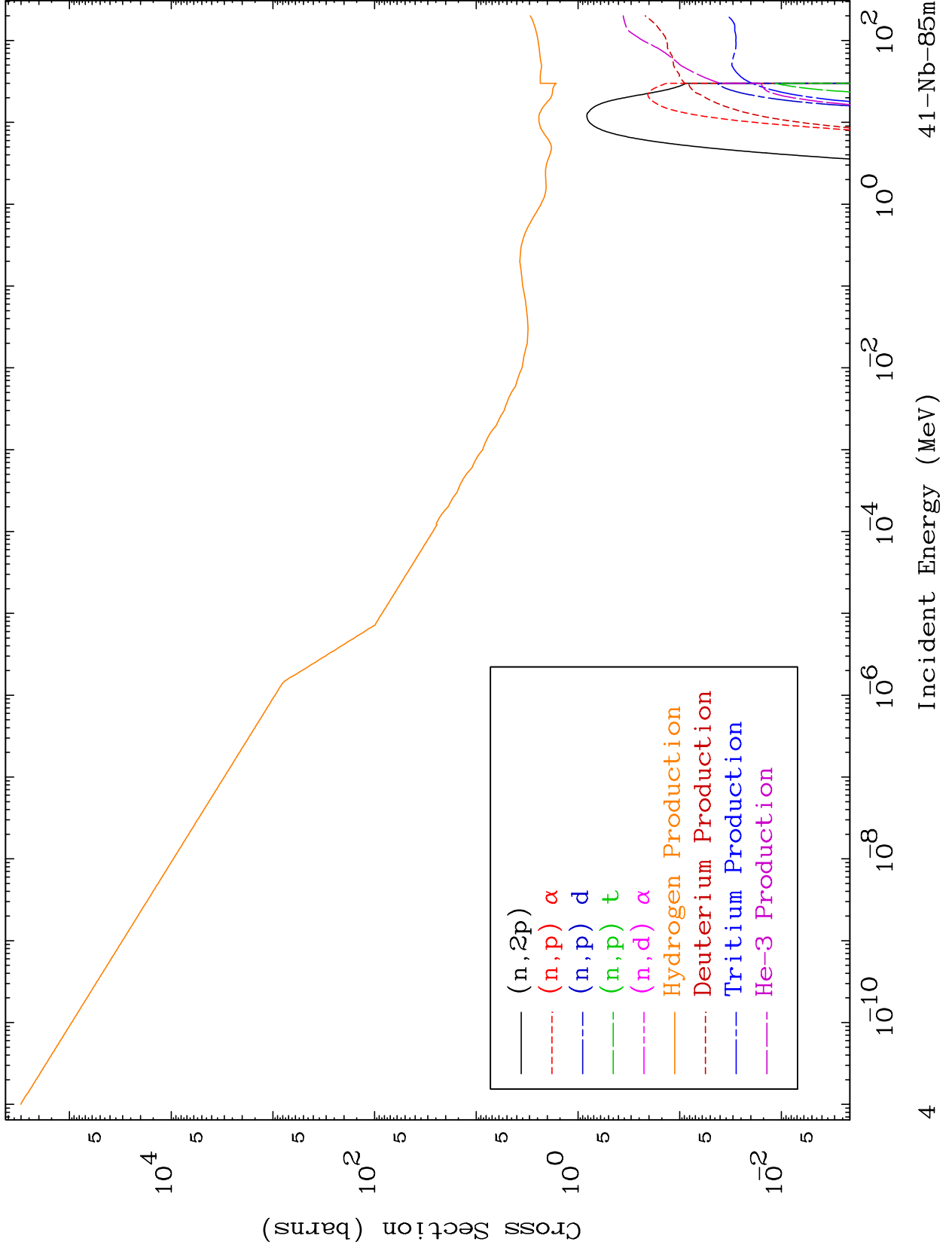
41-Nb-85m



MAT 4102

Neutron Absorption  
293 Kelvin Cross Sections

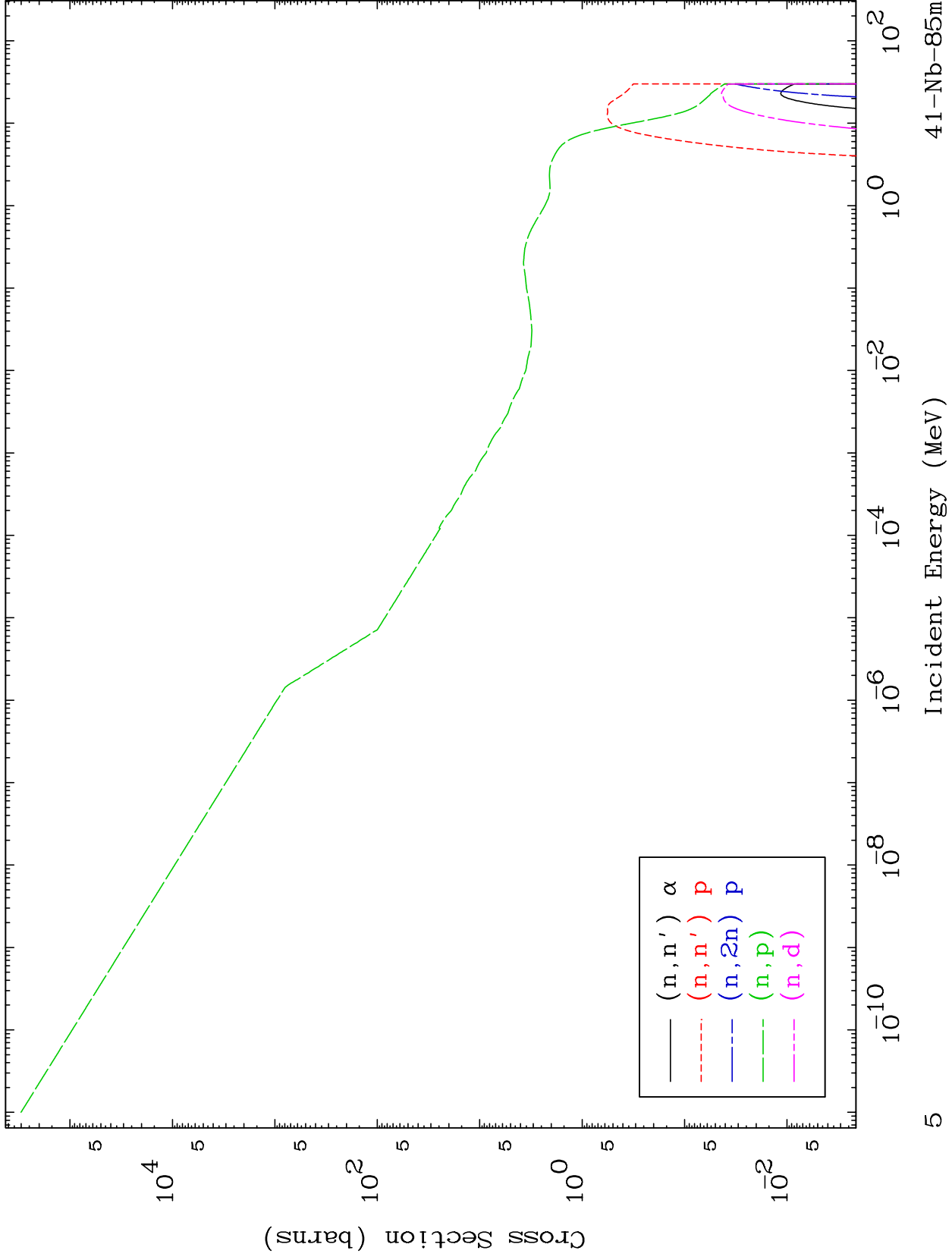
41-Nb-85m



MAT 4102

Charged Particle  
293 Kelvin Cross Sections

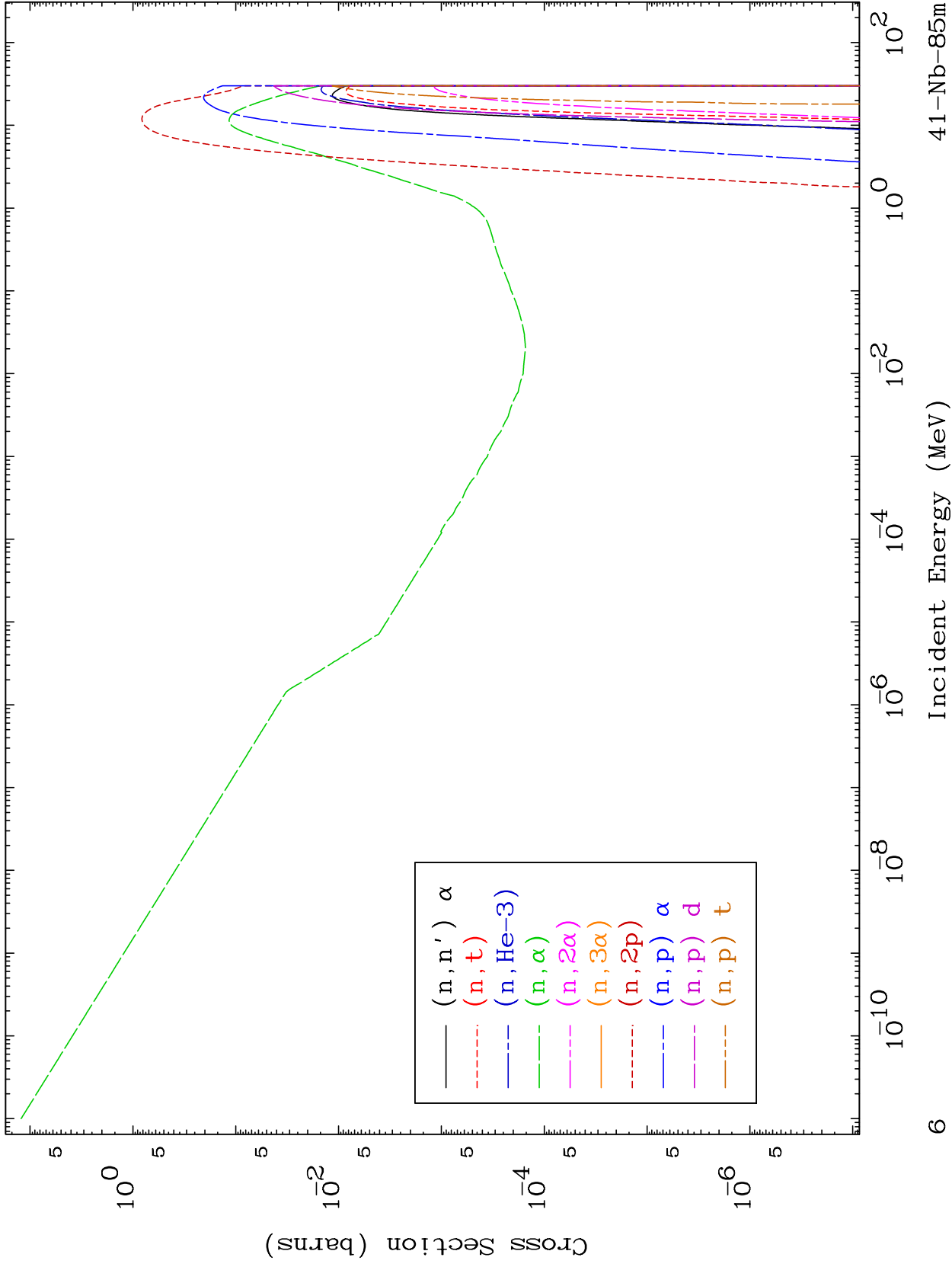
41-Nb-85m



MAT 4102

Charged Particle  
293 Kelvin Cross Sections

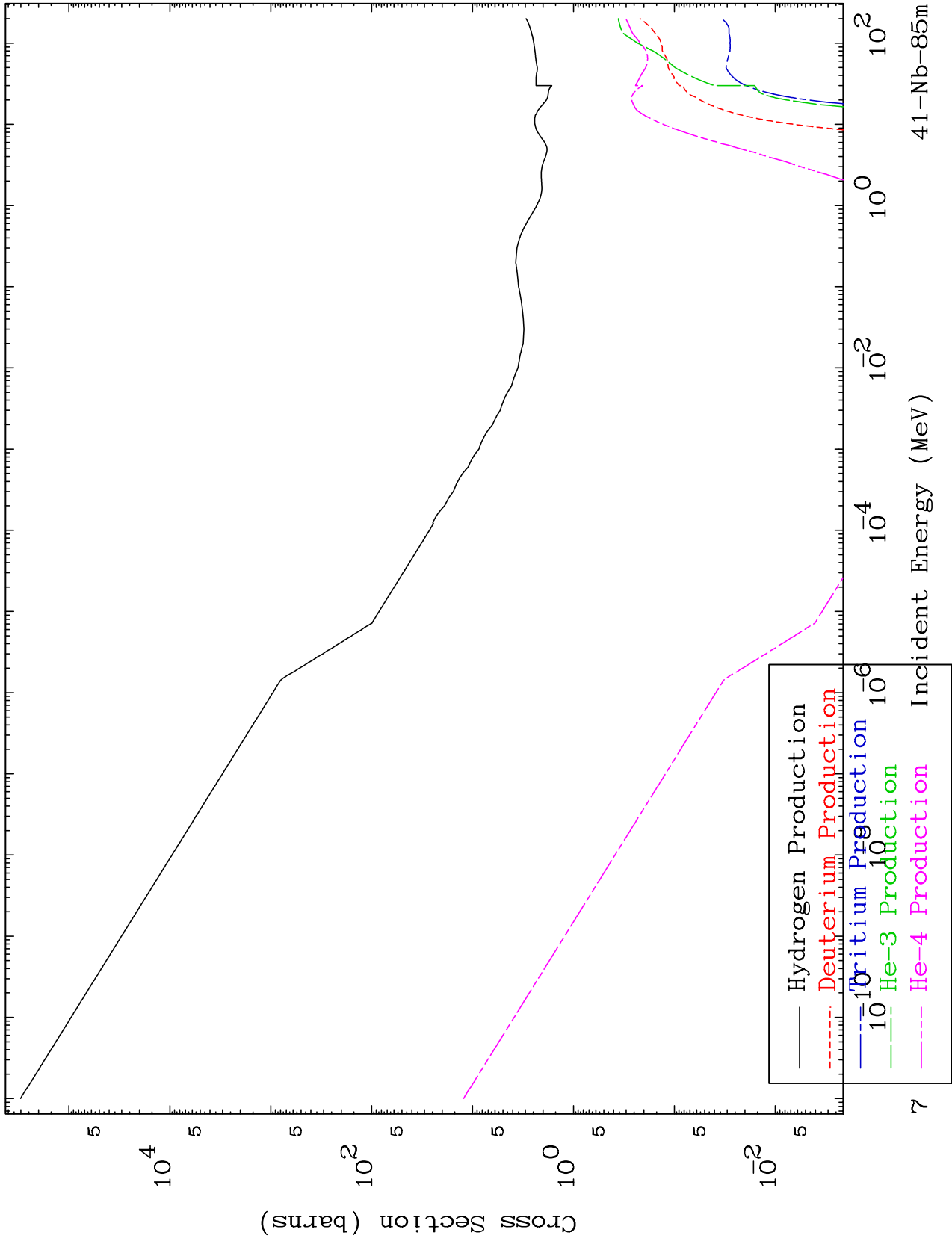
41-Nb-85m



MAT 4102

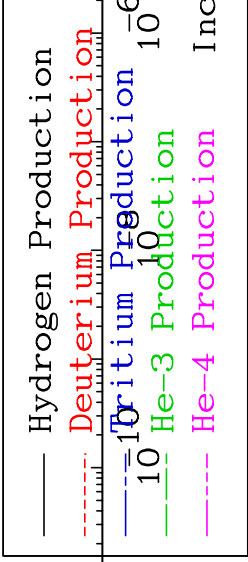
Particle Production  
293 Kelvin Cross Sections

41-Nb-85m



41-Nb-85m

Incident Energy (MeV)



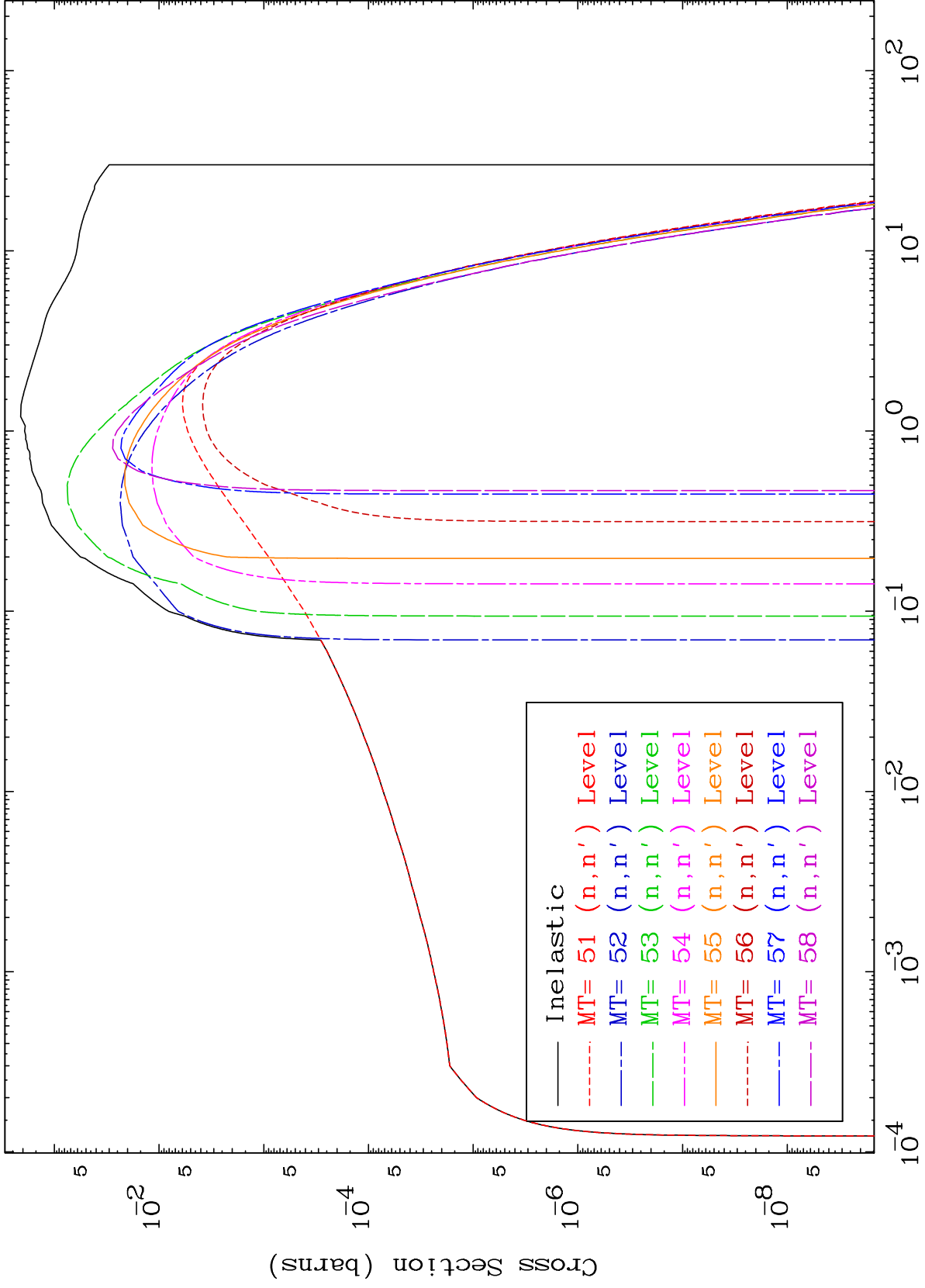
7



MAT 4102

293 Kelvin Cross Sections  
(n,n') Levels

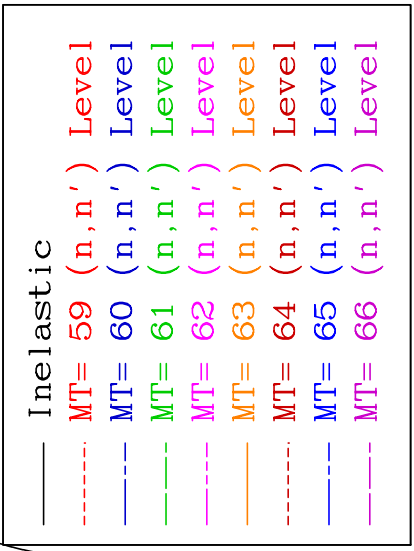
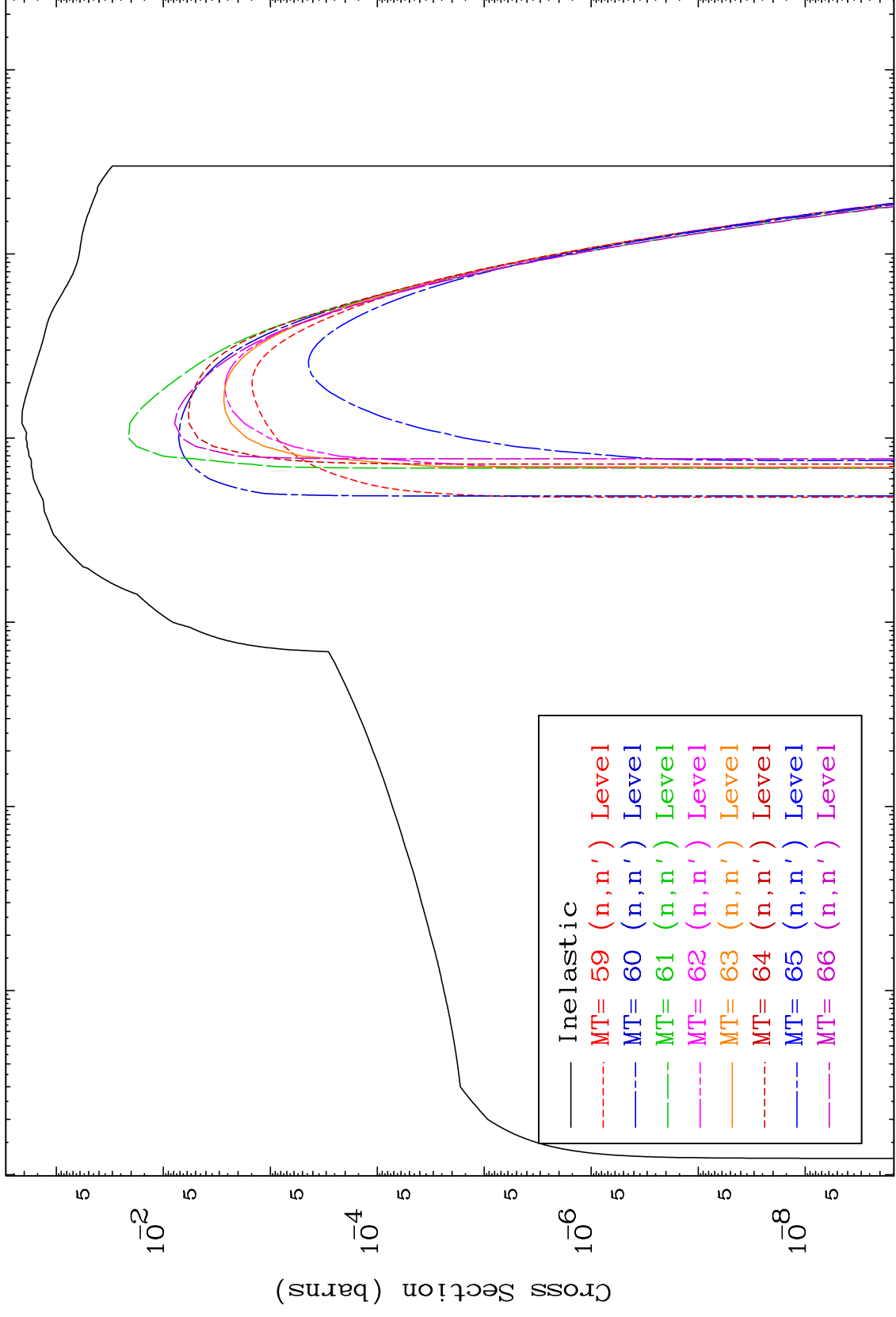
41-Nb-85m



MAT 4102

293 Kelvin Cross Sections  
(n,n') Levels

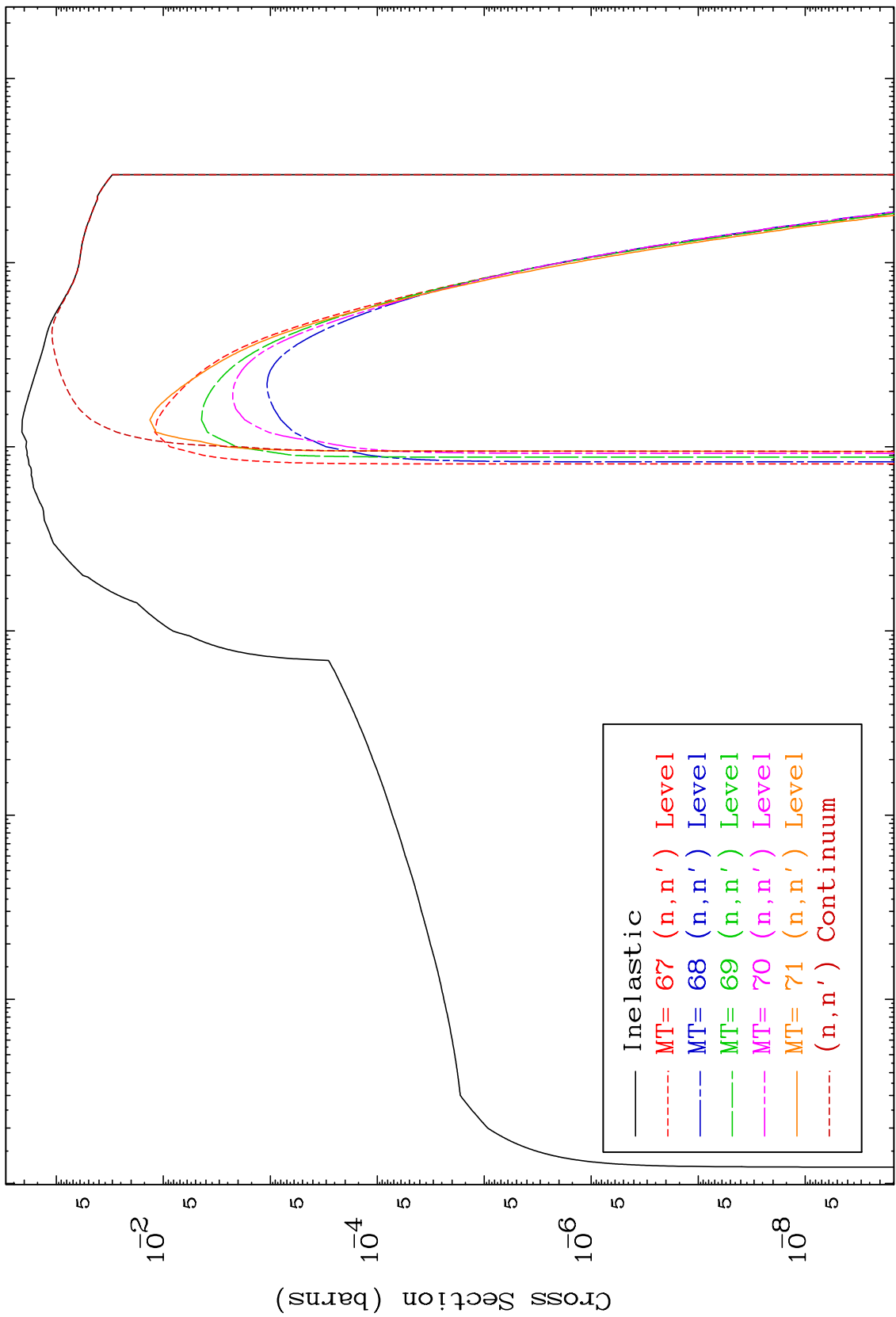
41-Nb-85m



MAT 4102

293 Kelvin Cross Sections  
(n,n') Levels

41-Nb-85m



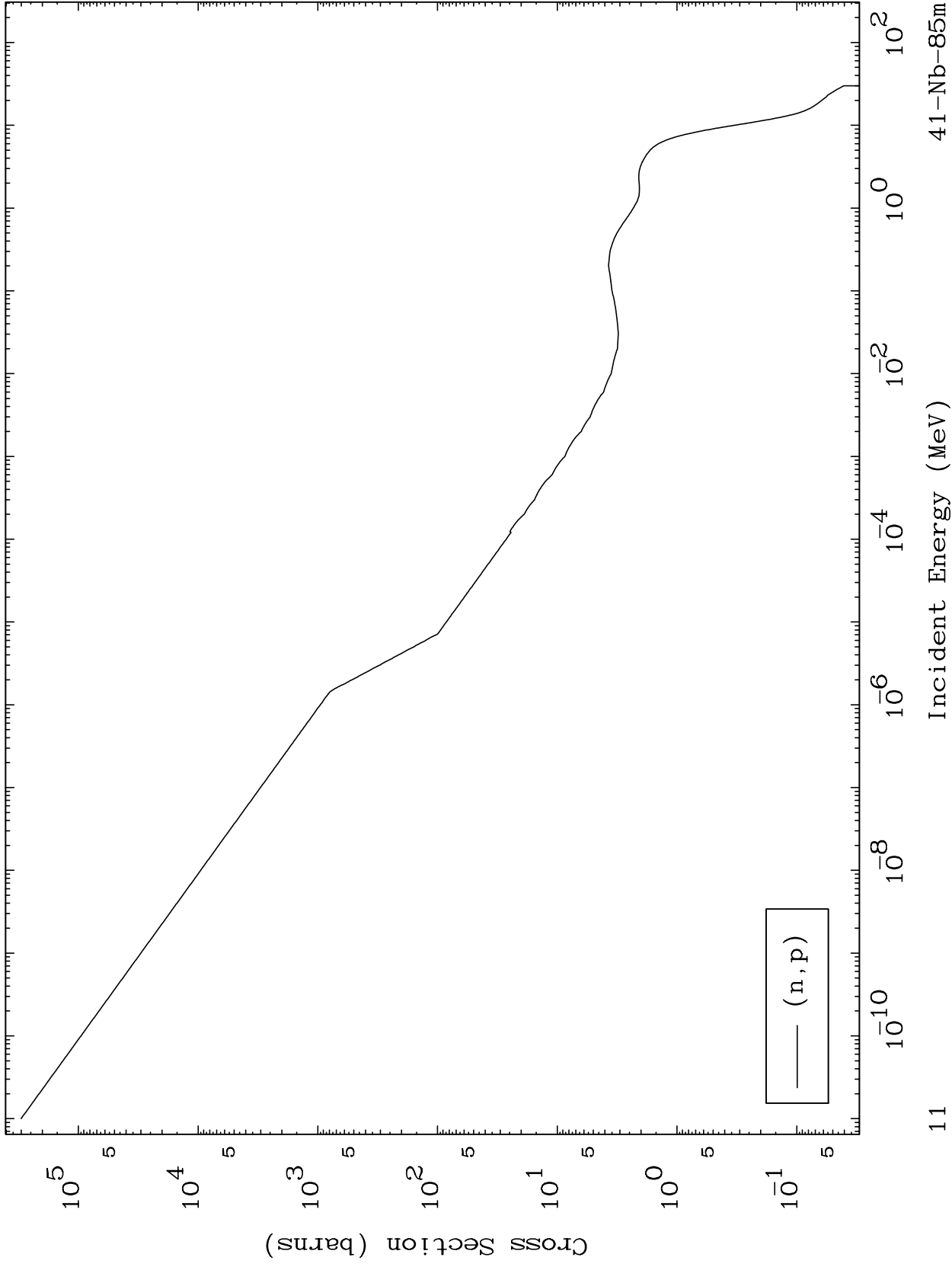
41-Nb-85m

Incident Energy (MeV)

MAT 4102

(n,p) Levels  
293 Kelvin Cross Sections

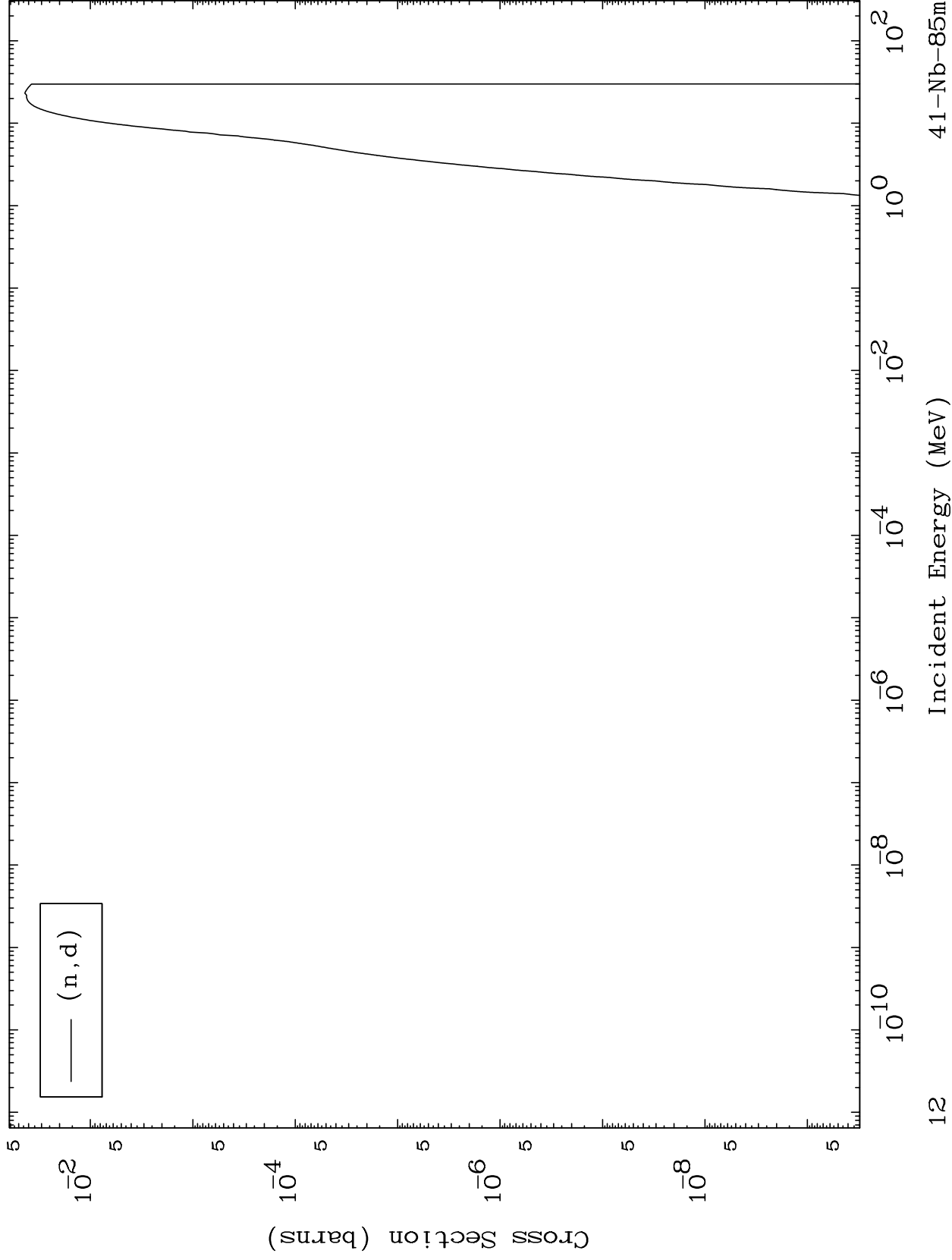
41-Nb-85m



MAT 4102

(n,d) Levels  
293 Kelvin Cross Sections

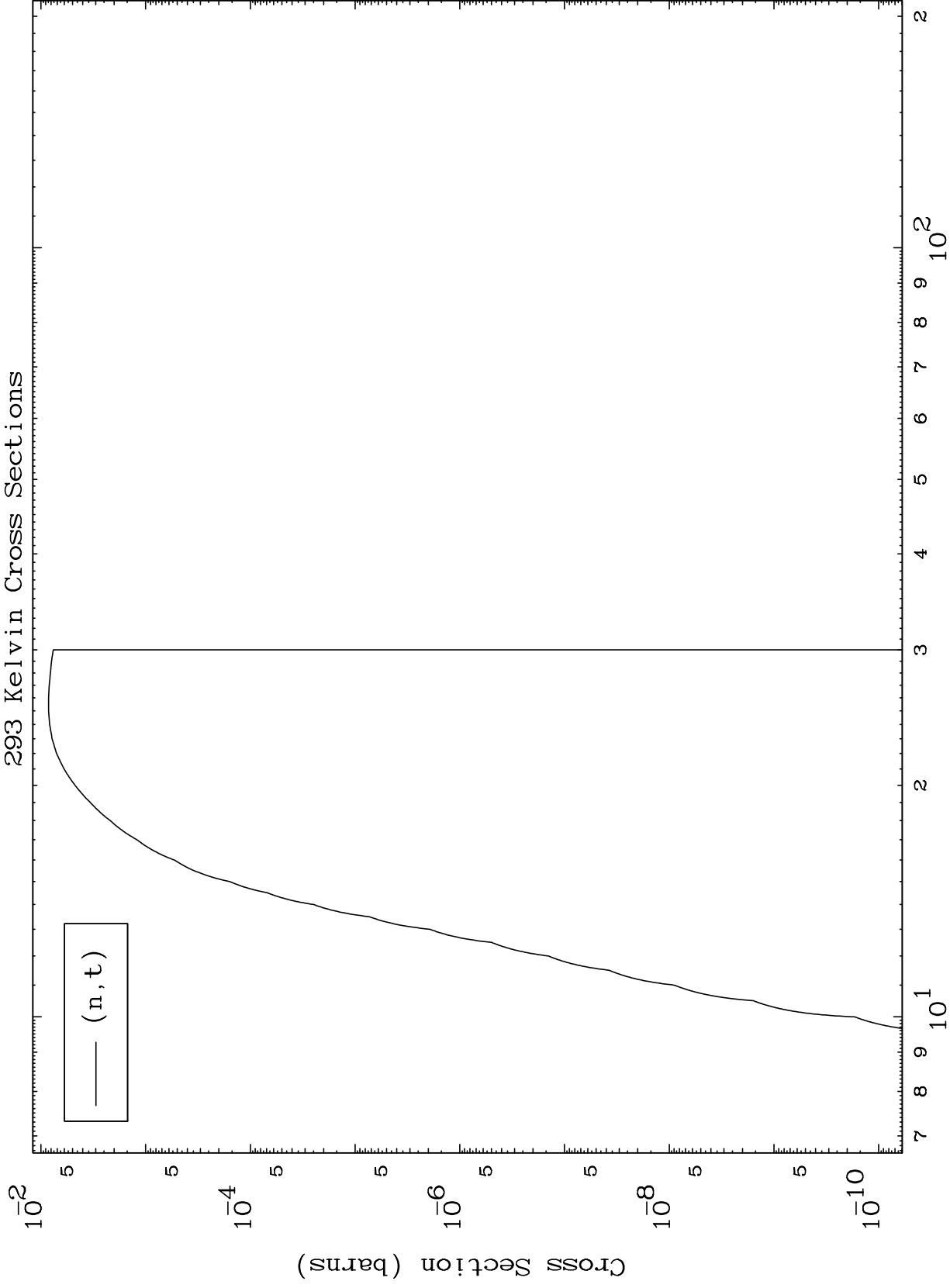
41-Nb-85m



MAT 4102

(n,t) Levels  
293 Kelvin Cross Sections

41-Nb-85m



13

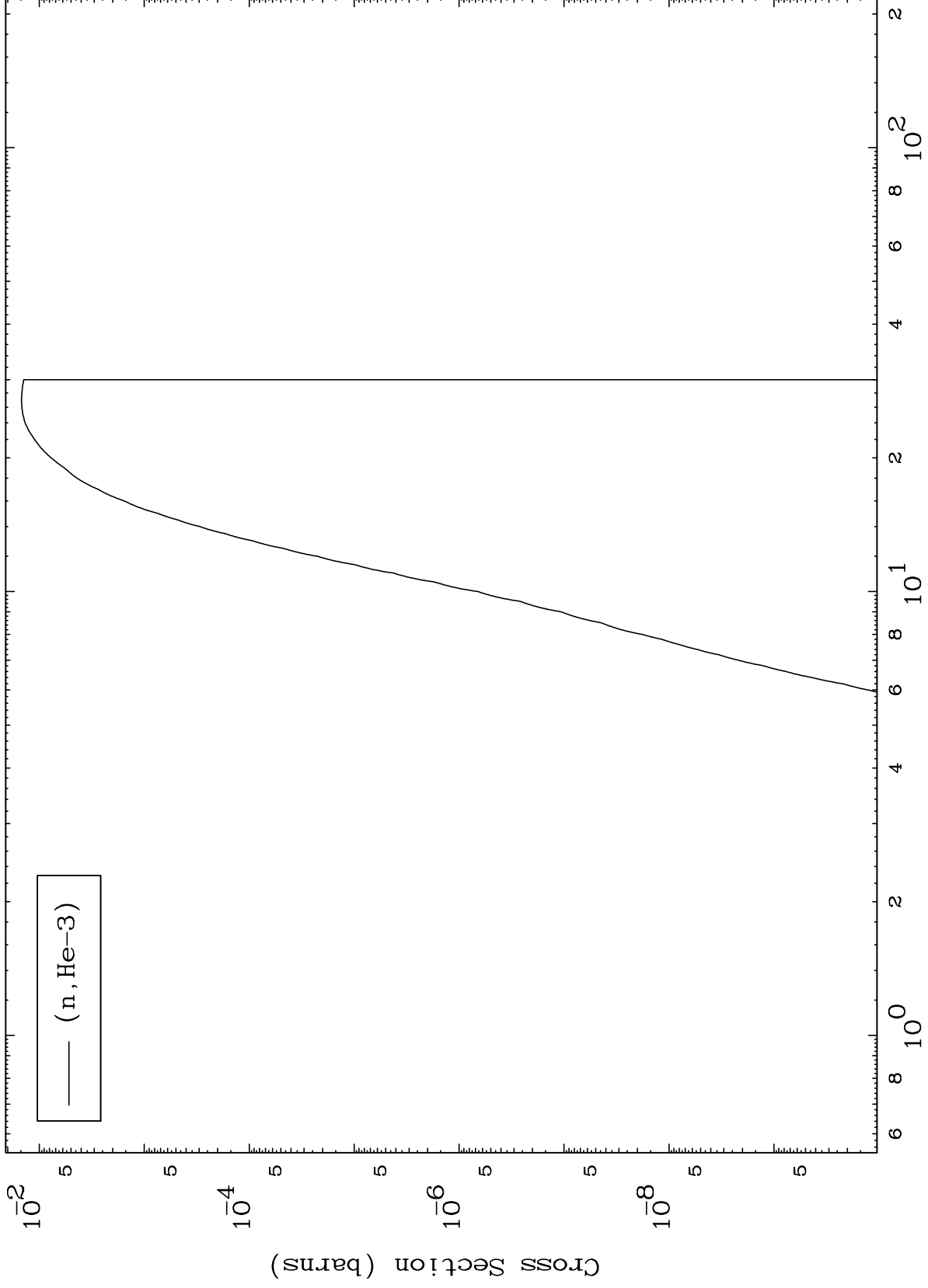
Incident Energy (MeV)

41-Nb-85m

MAT 4102

(n,He3) Levels  
293 Kelvin Cross Sections

41-Nb-85m



14

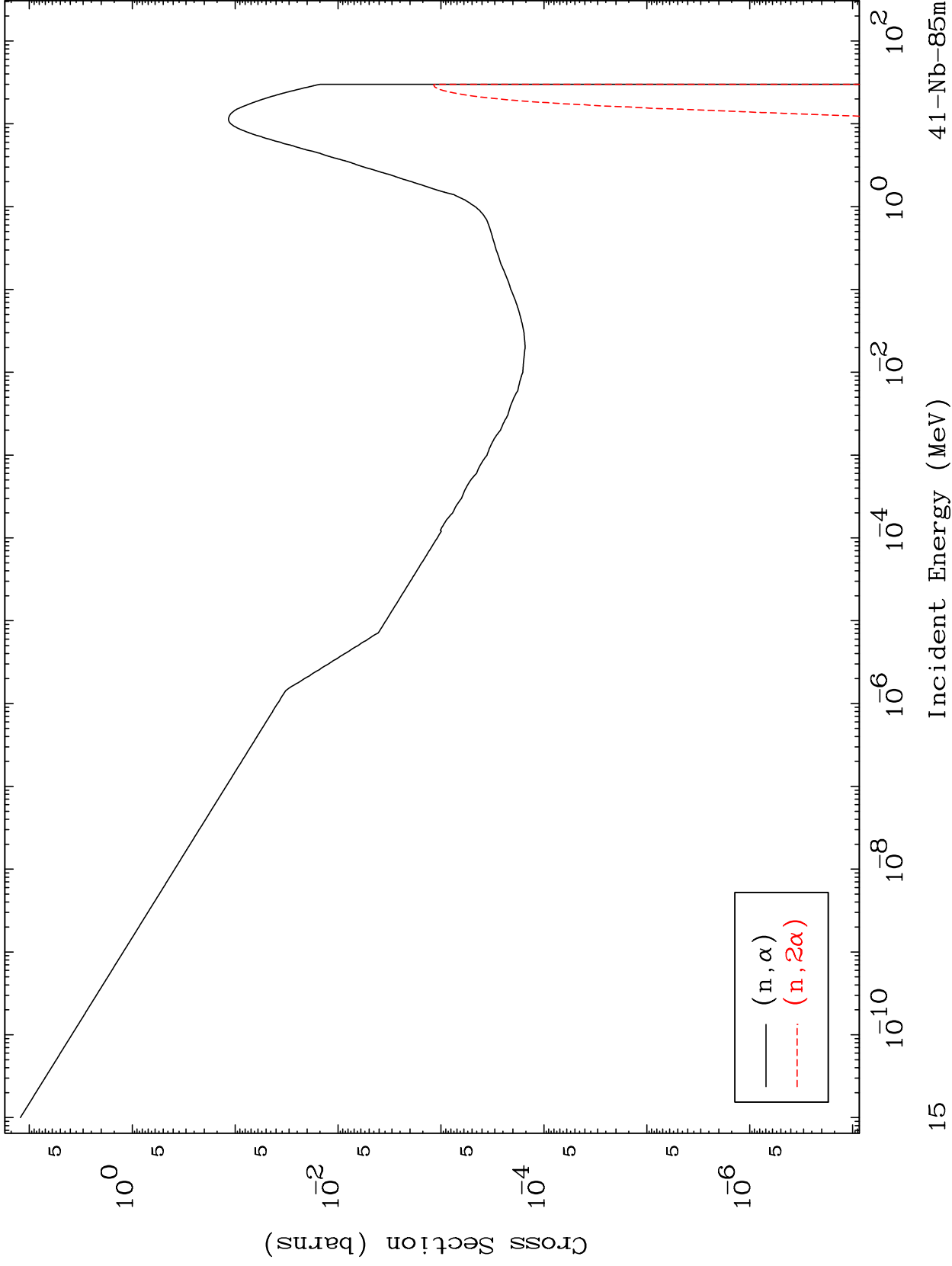
Incident Energy (MeV)

41-Nb-85m

MAT 4102

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

41-Nb-85m

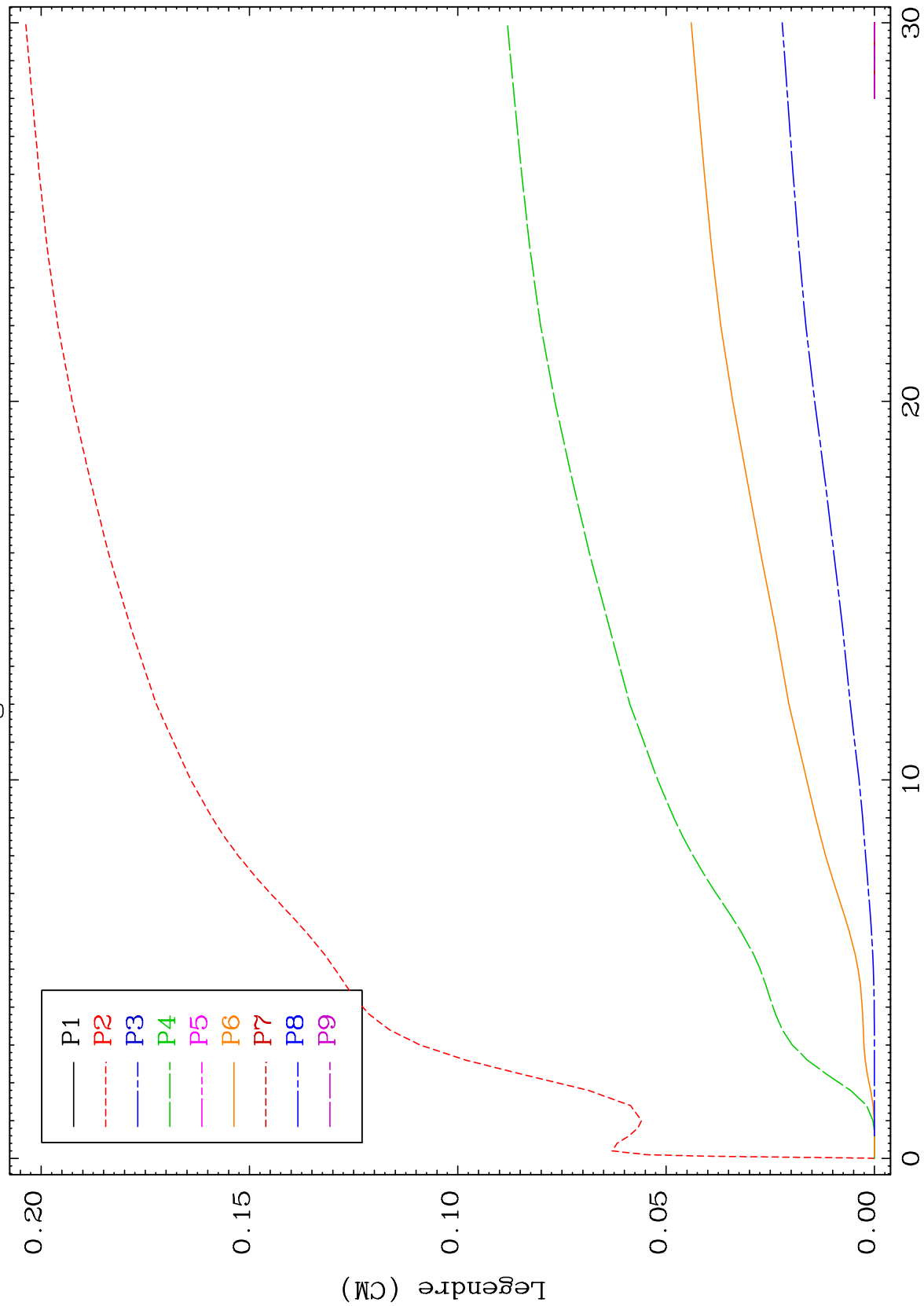




MAT 4102

Elastic Legendre Coefficients

41-Nb-85m



16

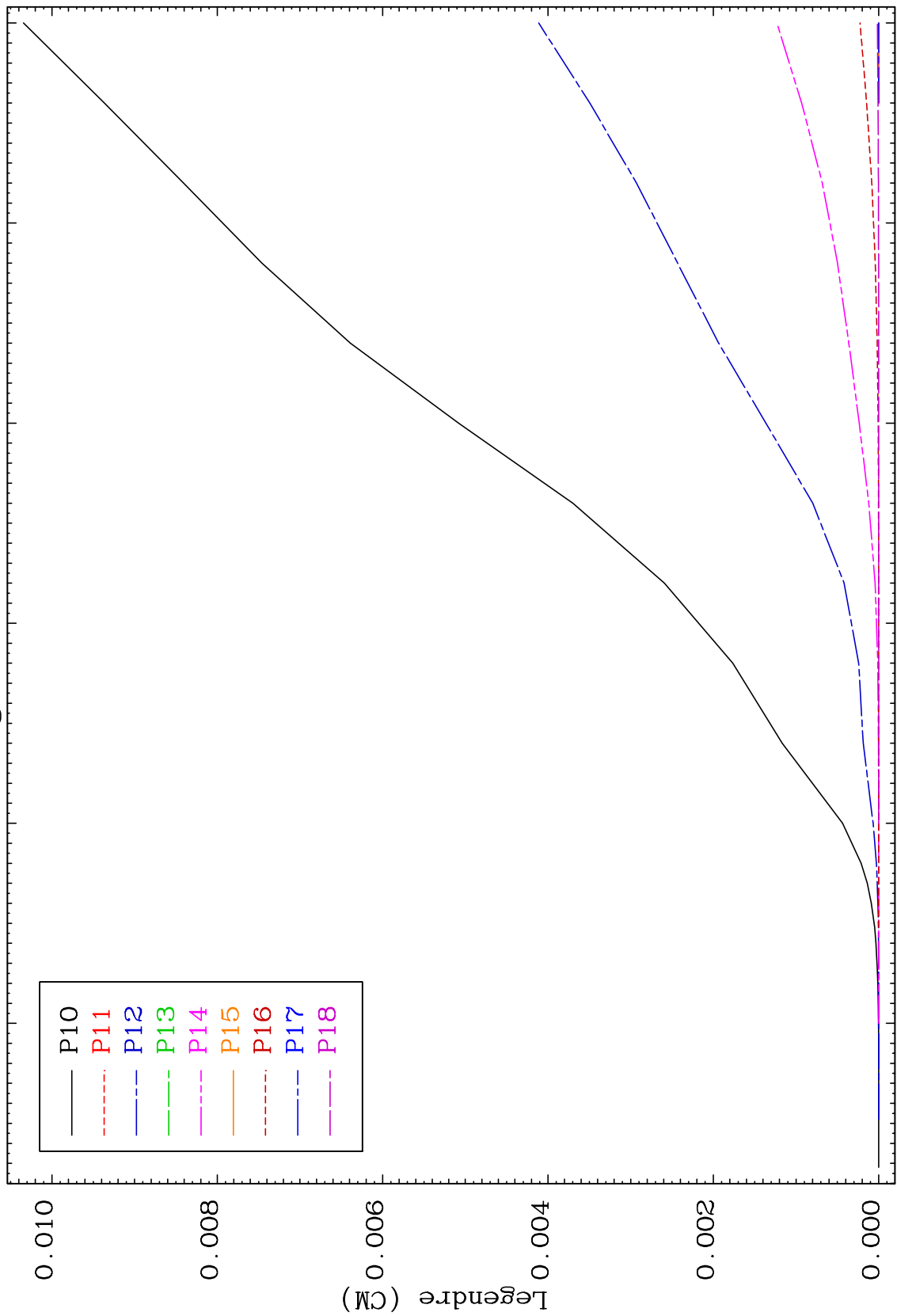
Incident Energy (MeV)

41-Nb-85m

MAT 4102

### Elastic Legendre Coefficients

41-Nb-85m



17

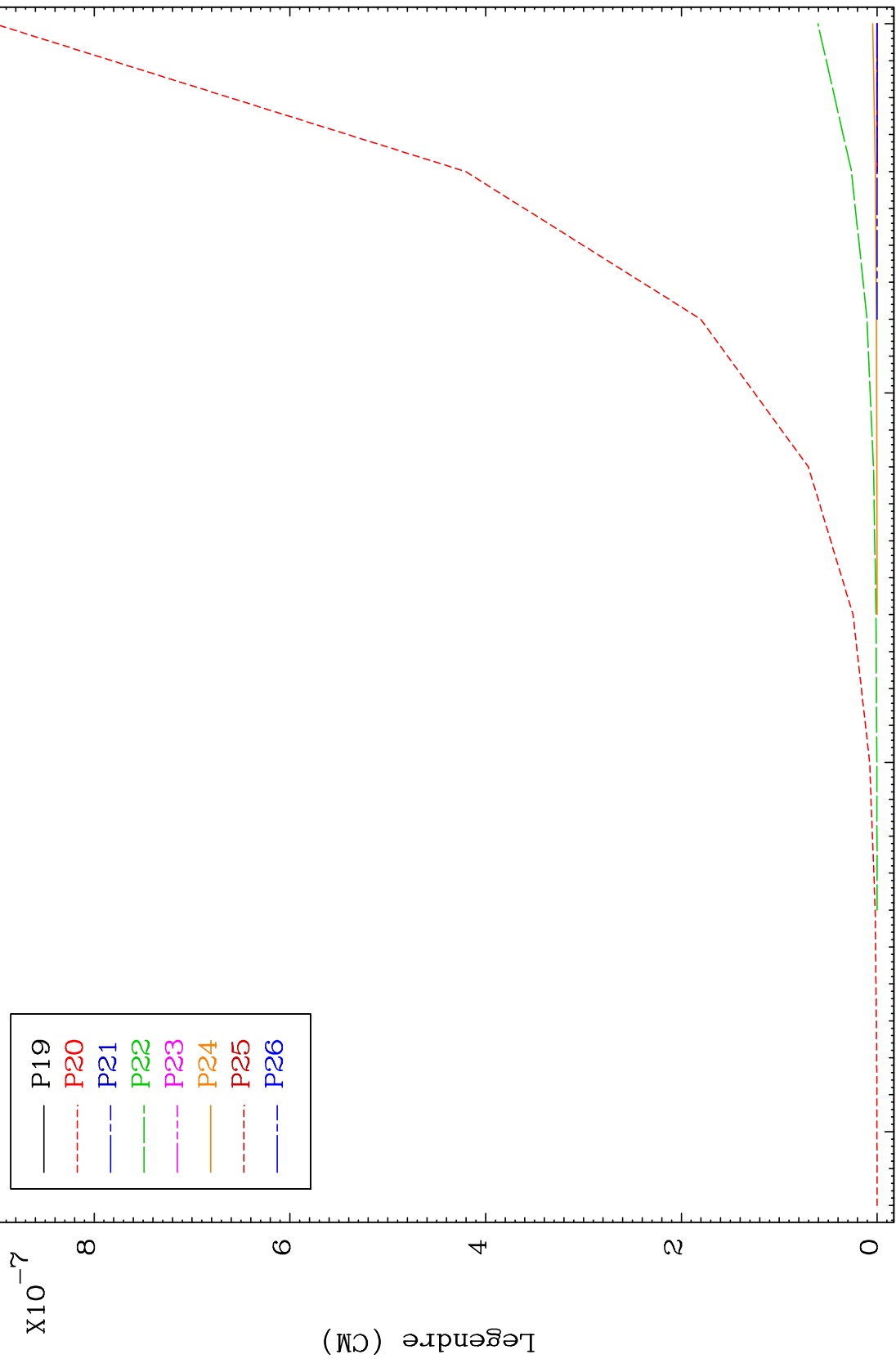
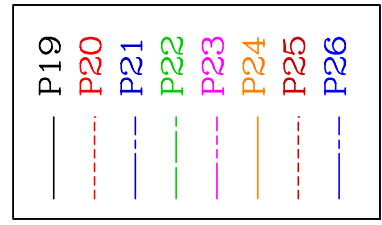
41-Nb-85m

Incident Energy (MeV)

MAT 4102

Elastic  
Legendre Coefficients

41-Nb-85m



18

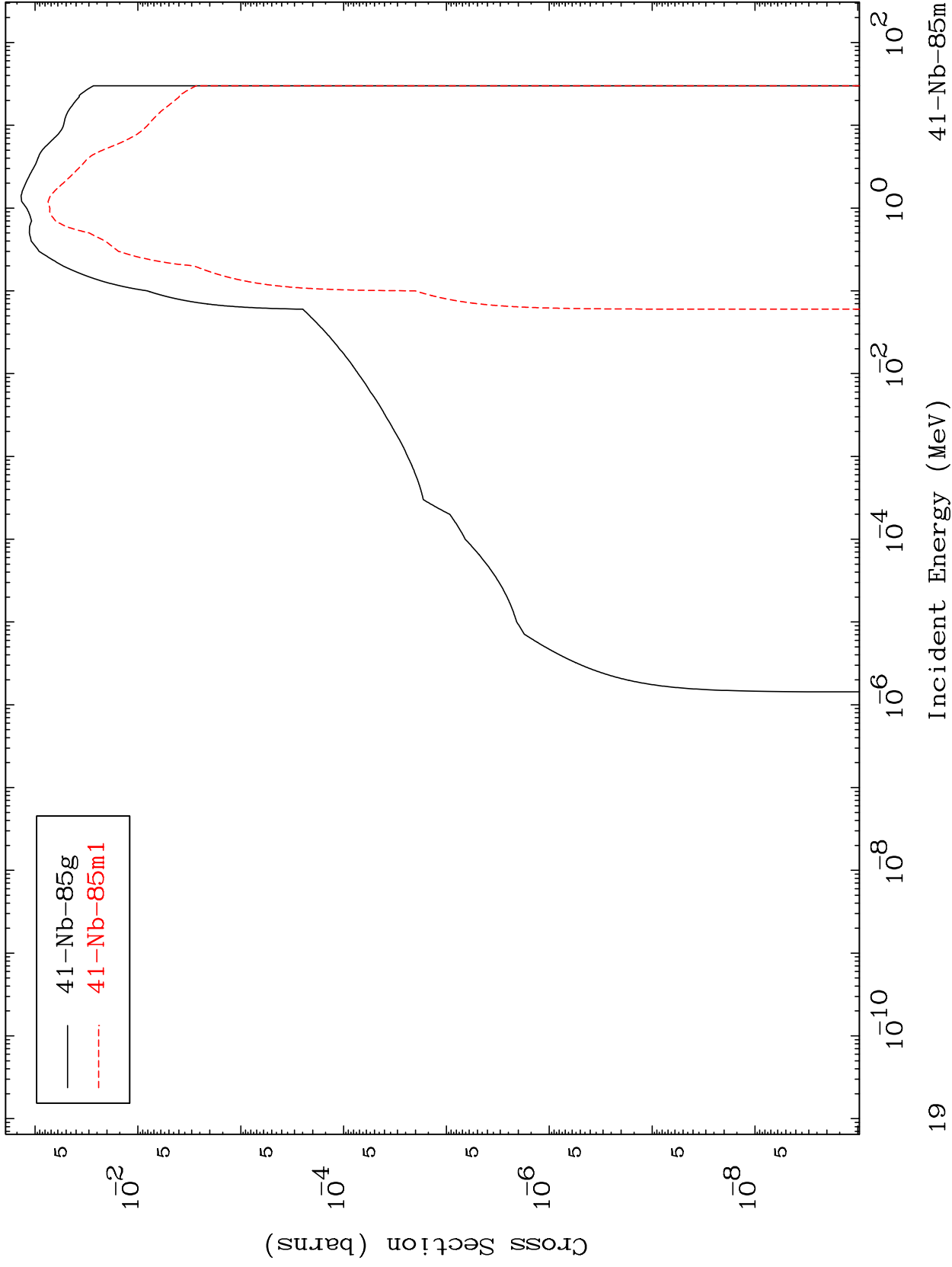
Incident Energy (MeV)

41-Nb-85m

MAT 4102

Inelastic  
Radionuclide Production Cross Section

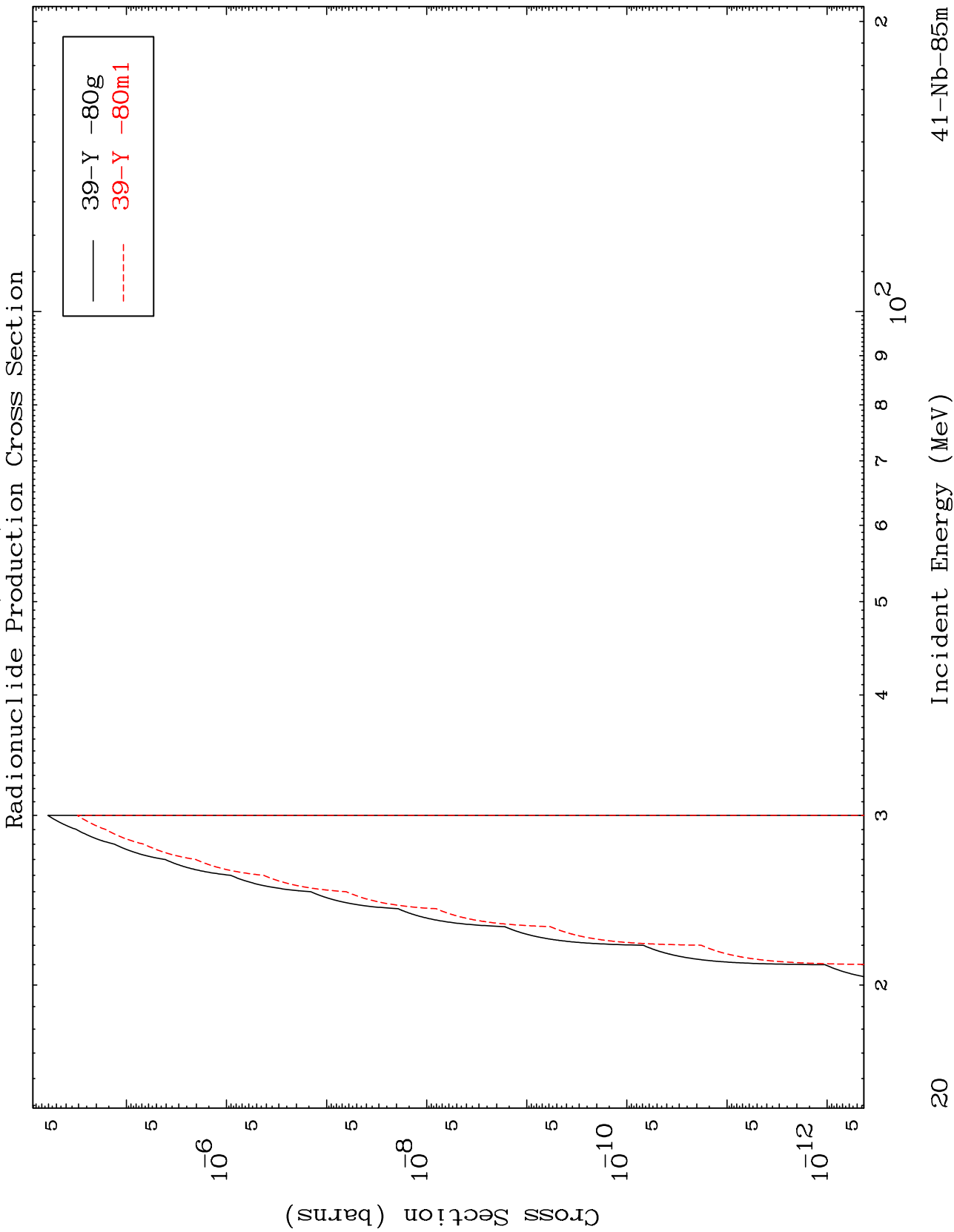
41-Nb-85m



MAT 4102

$(n,2n) \alpha$

41-Nb-85m



20

Incident Energy (MeV)

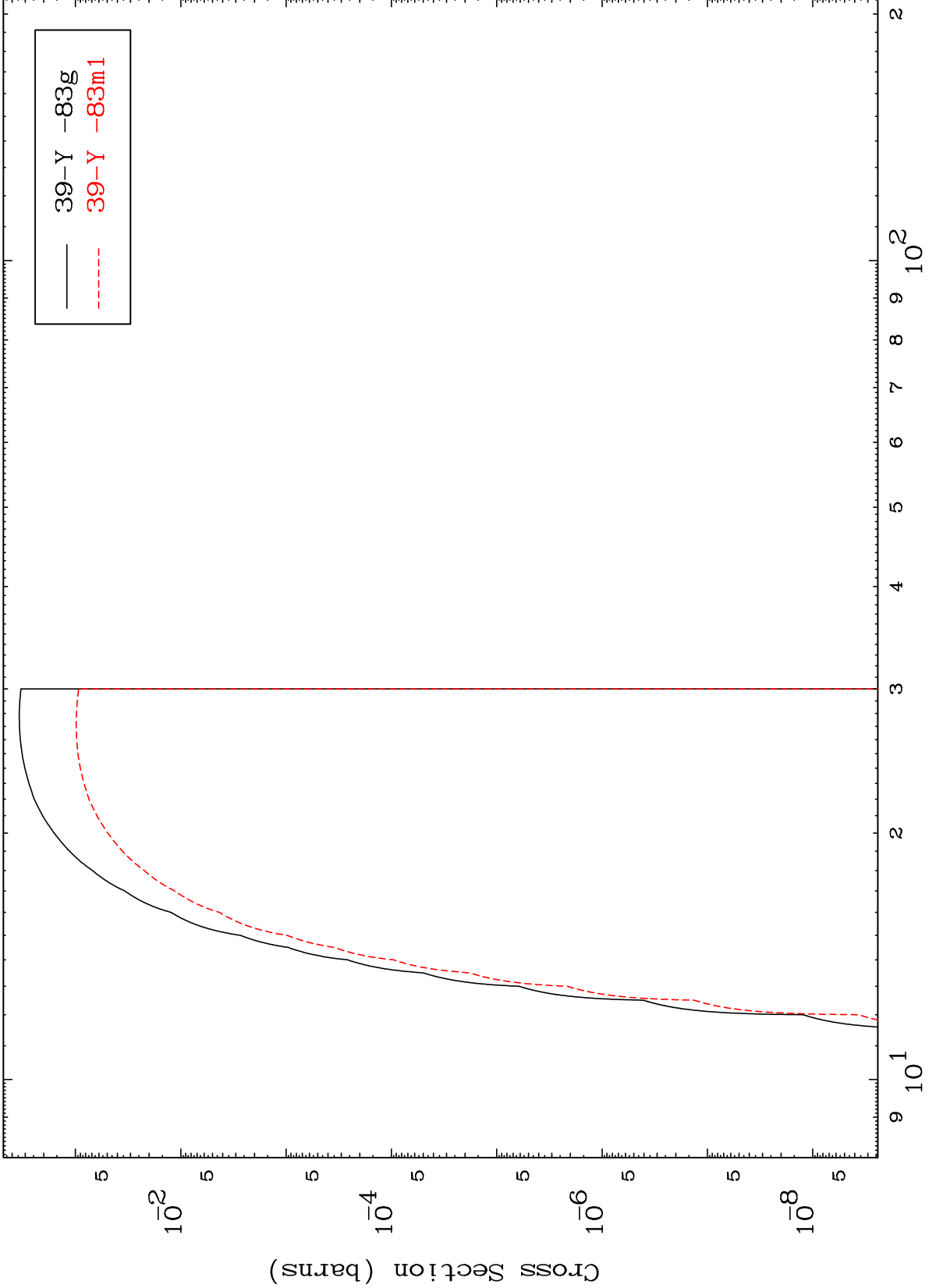
41-Nb-85m

MAT 4102

(n,2n) p

41-Nb-85m

Radionuclide Production Cross Section



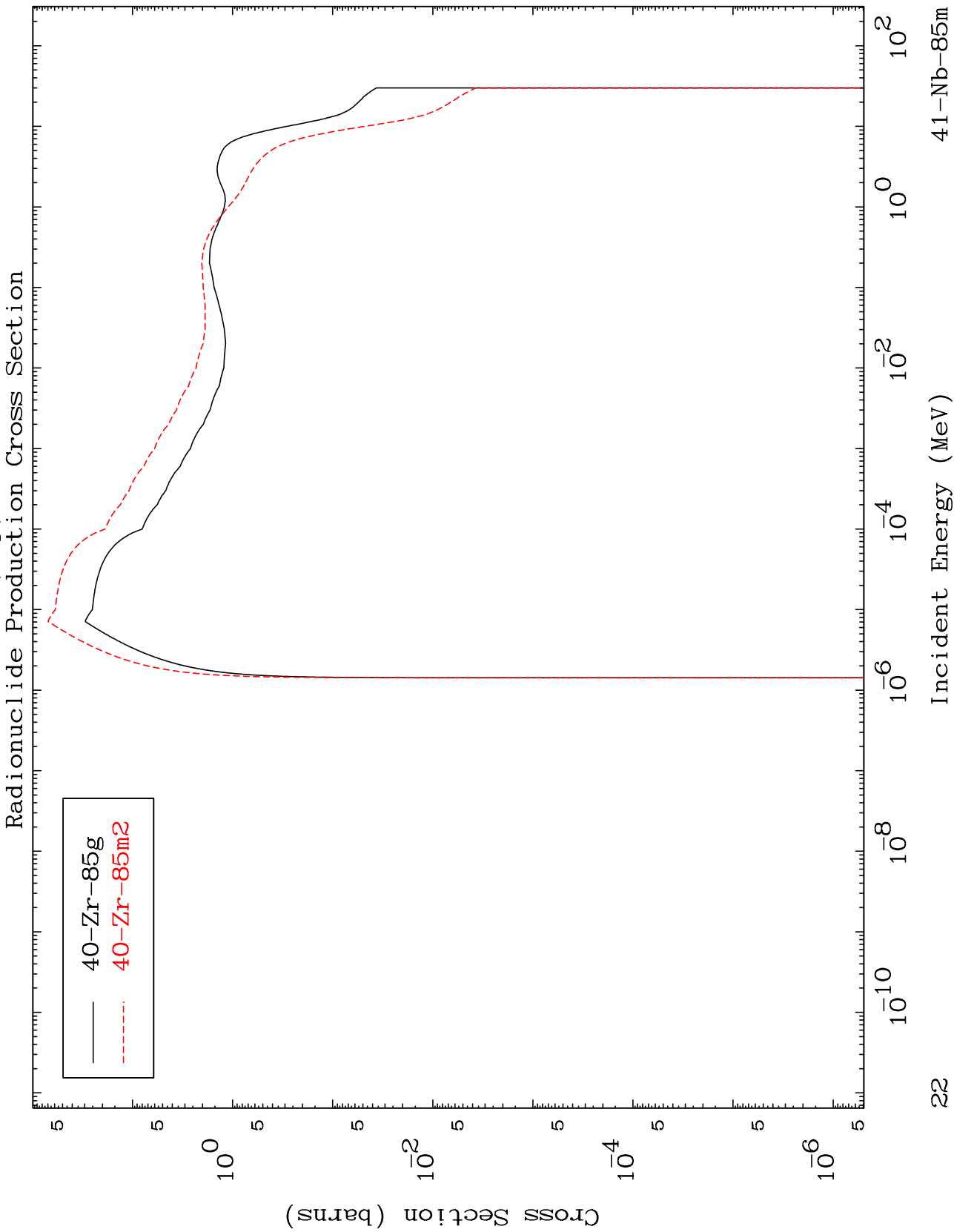
21

Incident Energy (MeV)

41-Nb-85m

MAT 4102

41-Nb-85m

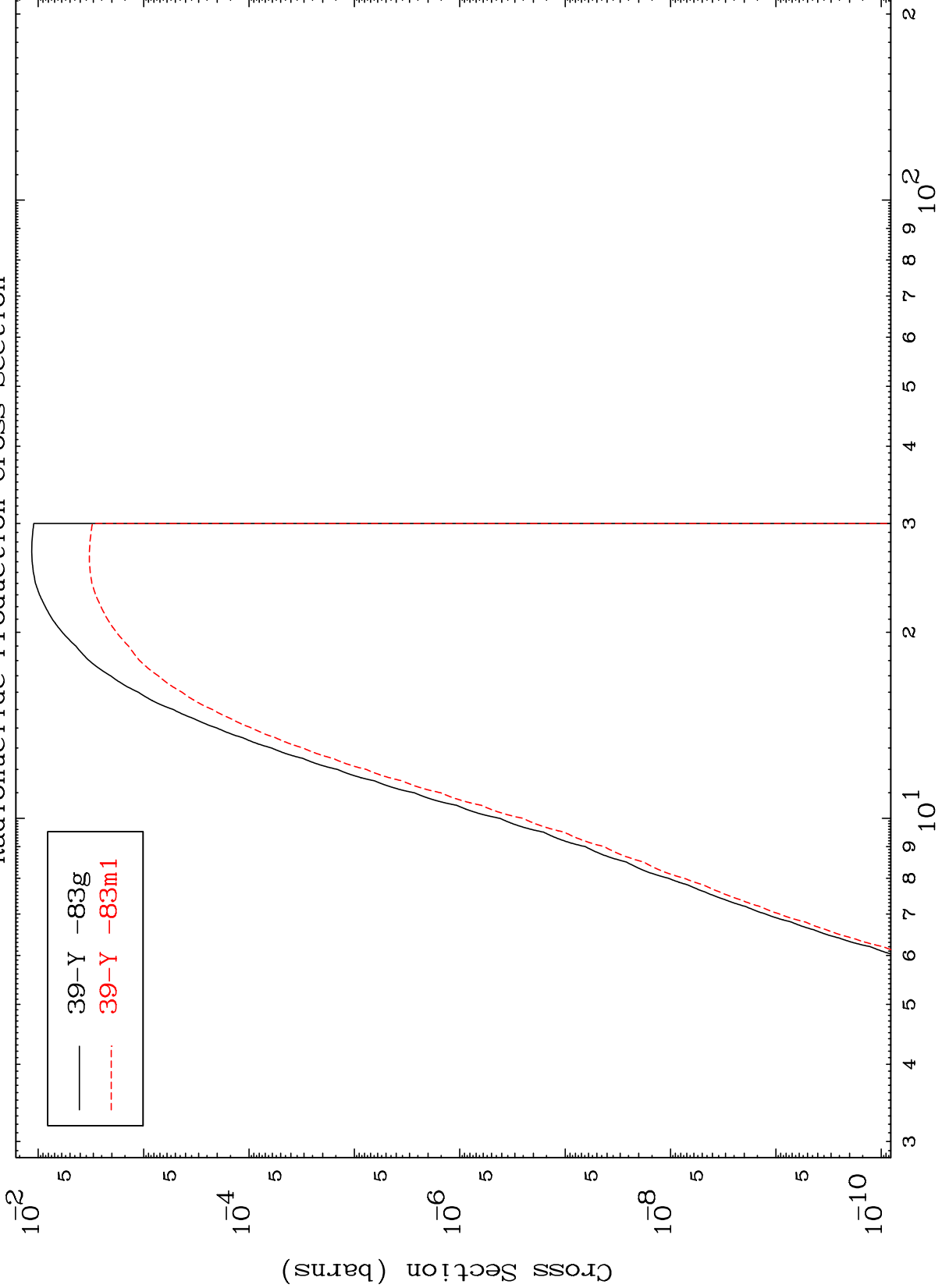


MAT 4102

(n,He-3)

41-Nb-85m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

41-Nb-85m

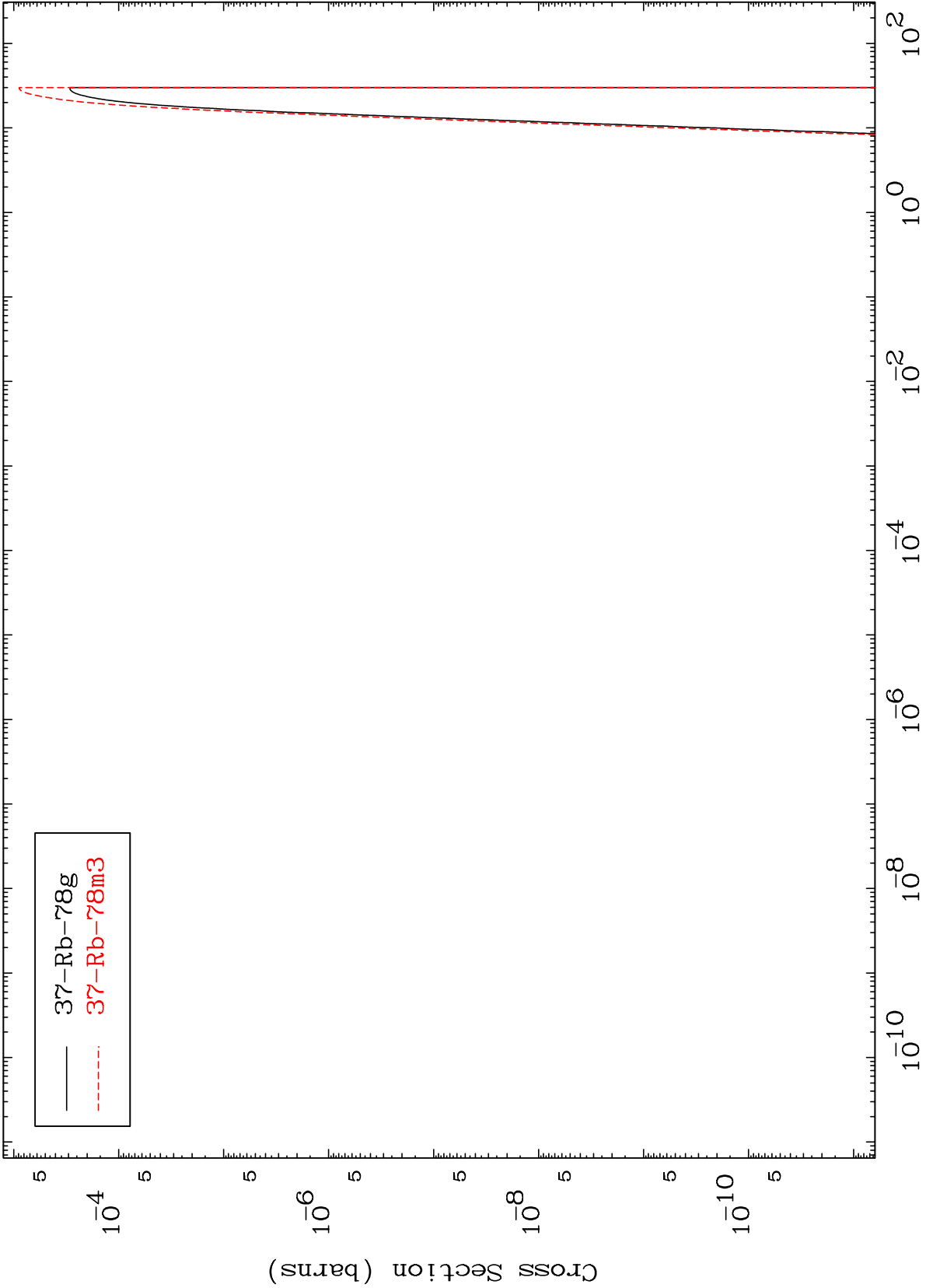


MAT 4102

(n,2α)

41-Nb-85m

Radionuclide Production Cross Section

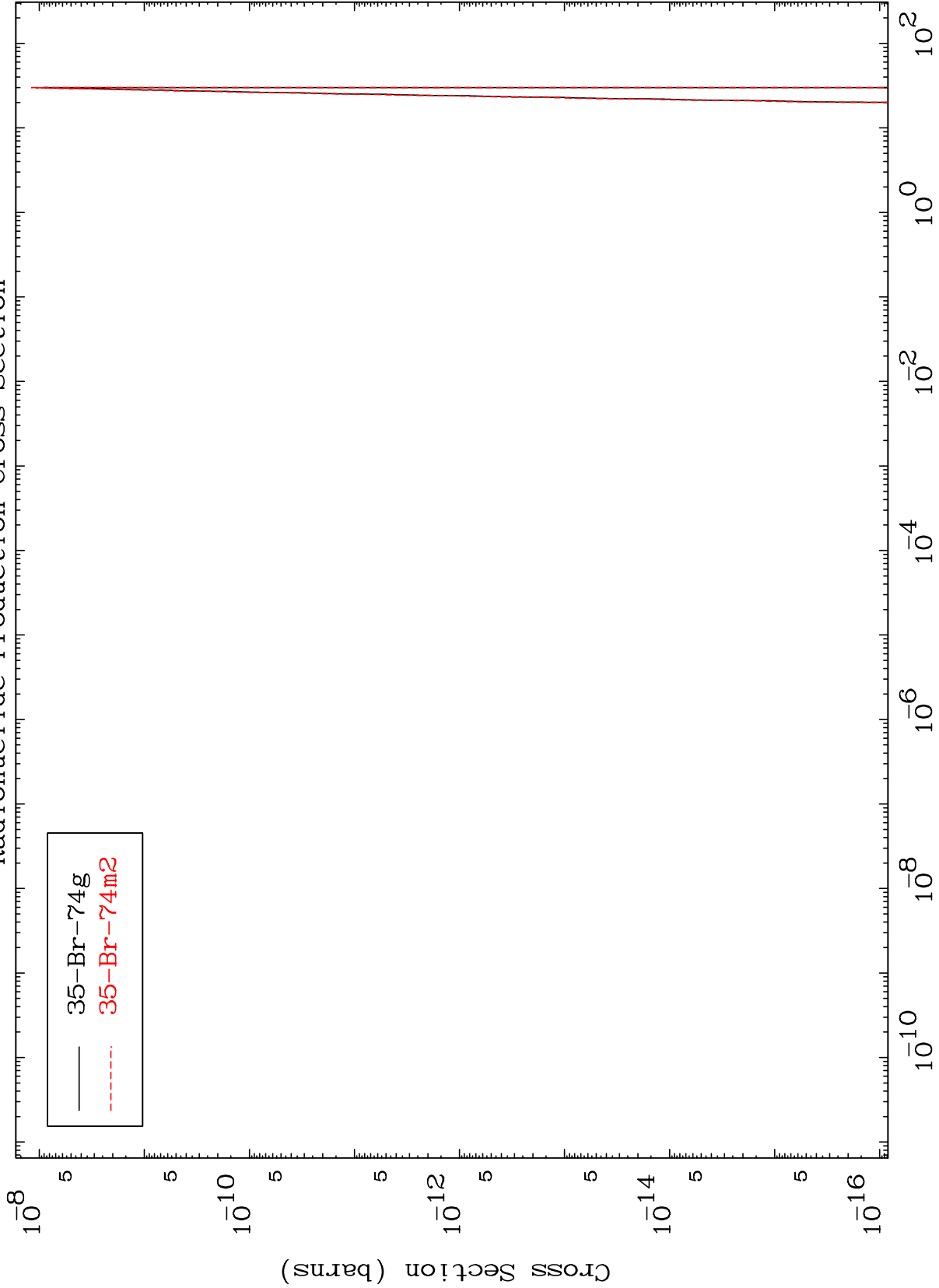


MAT 4102

(n,3 $\alpha$ )

41-Nb-85m

Radionuclide Production Cross Section

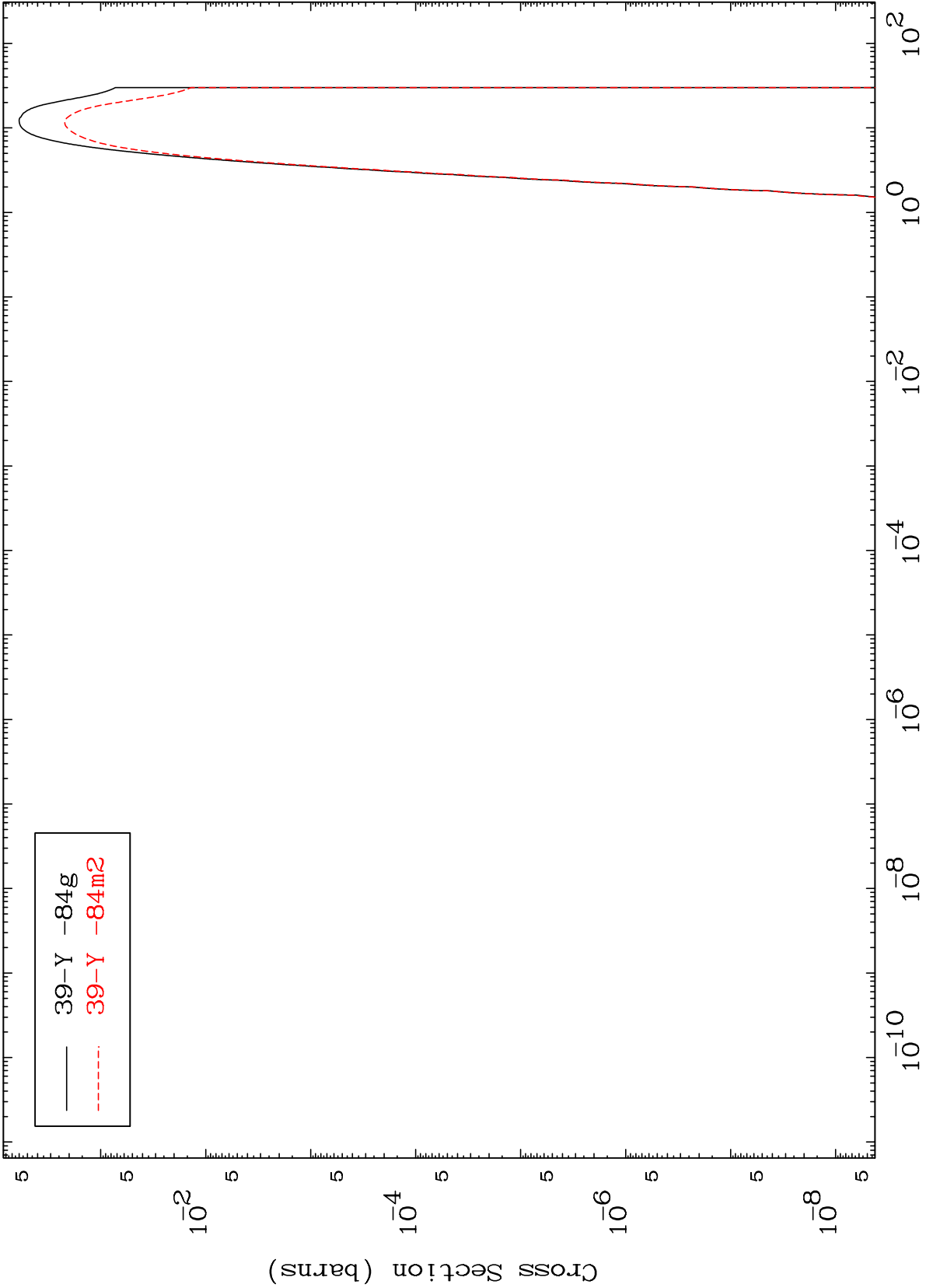


MAT 4102

(n,2p)

41-Nb-85m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

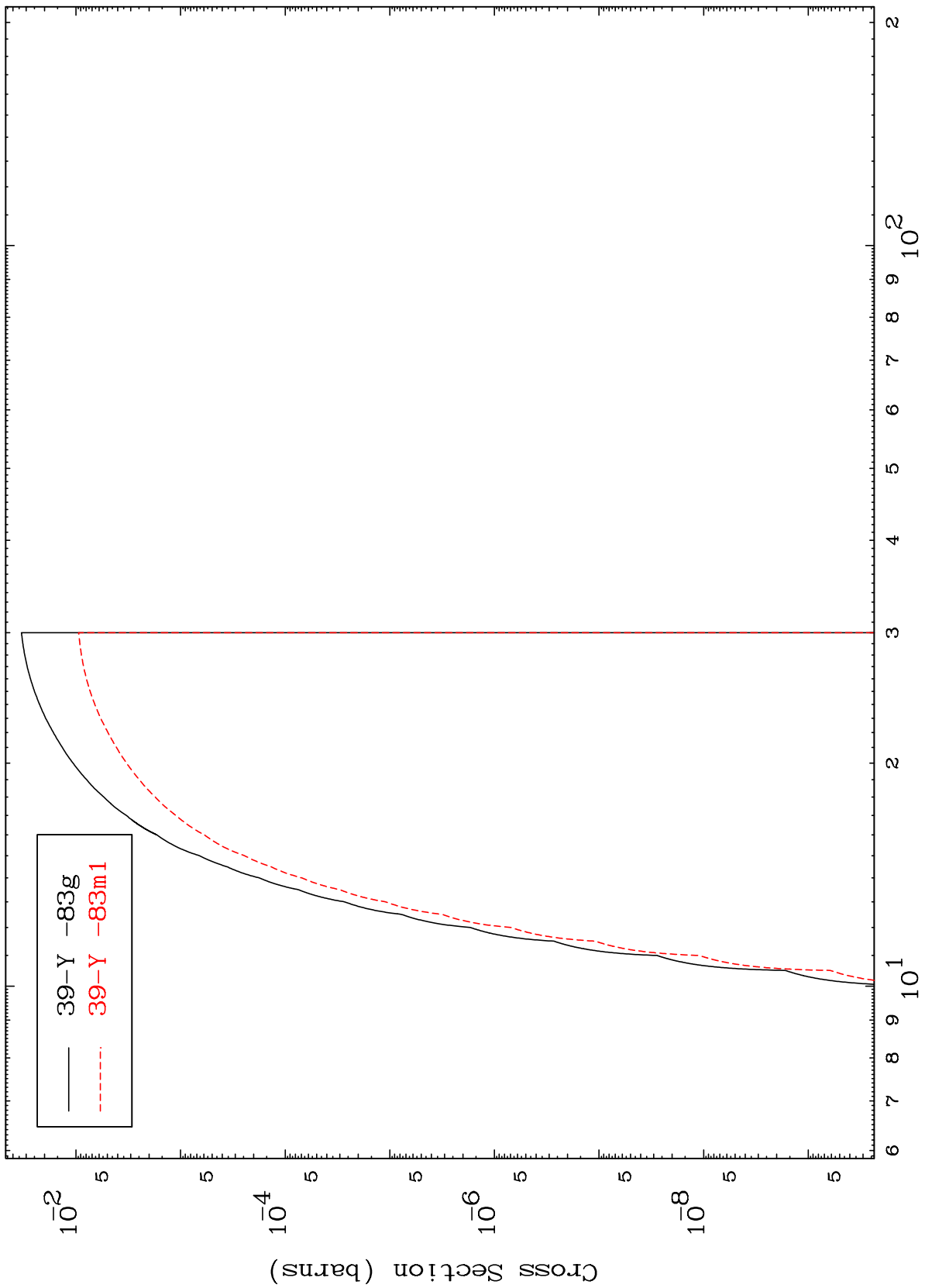
41-Nb-85m

MAT 4102

(n,p) d

41-Nb-85m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

41-Nb-85m