

Program EVALPLOT  
(Version 2021-1)

by

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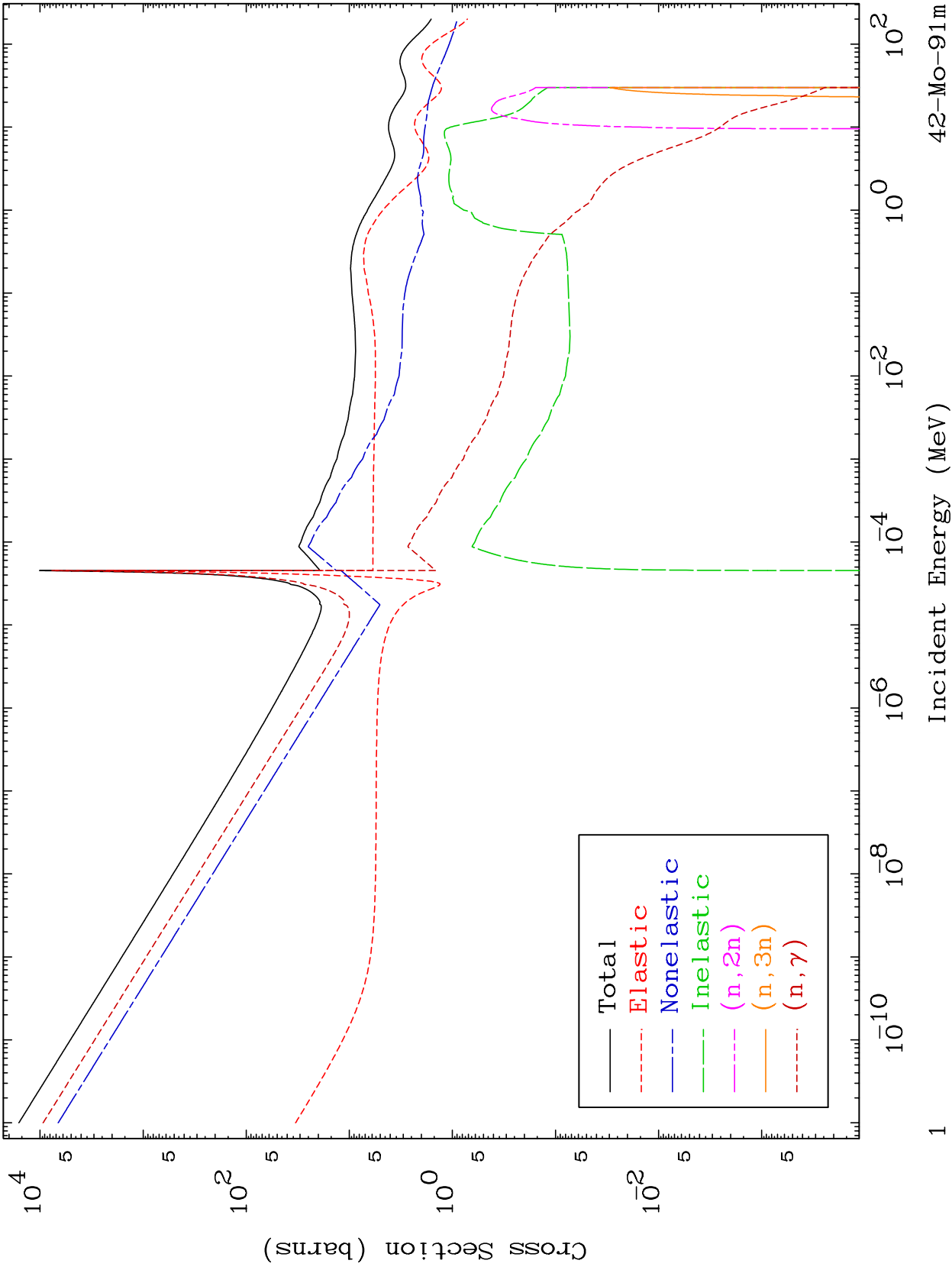
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4223

Neutron Major  
293 Kelvin Cross Sections

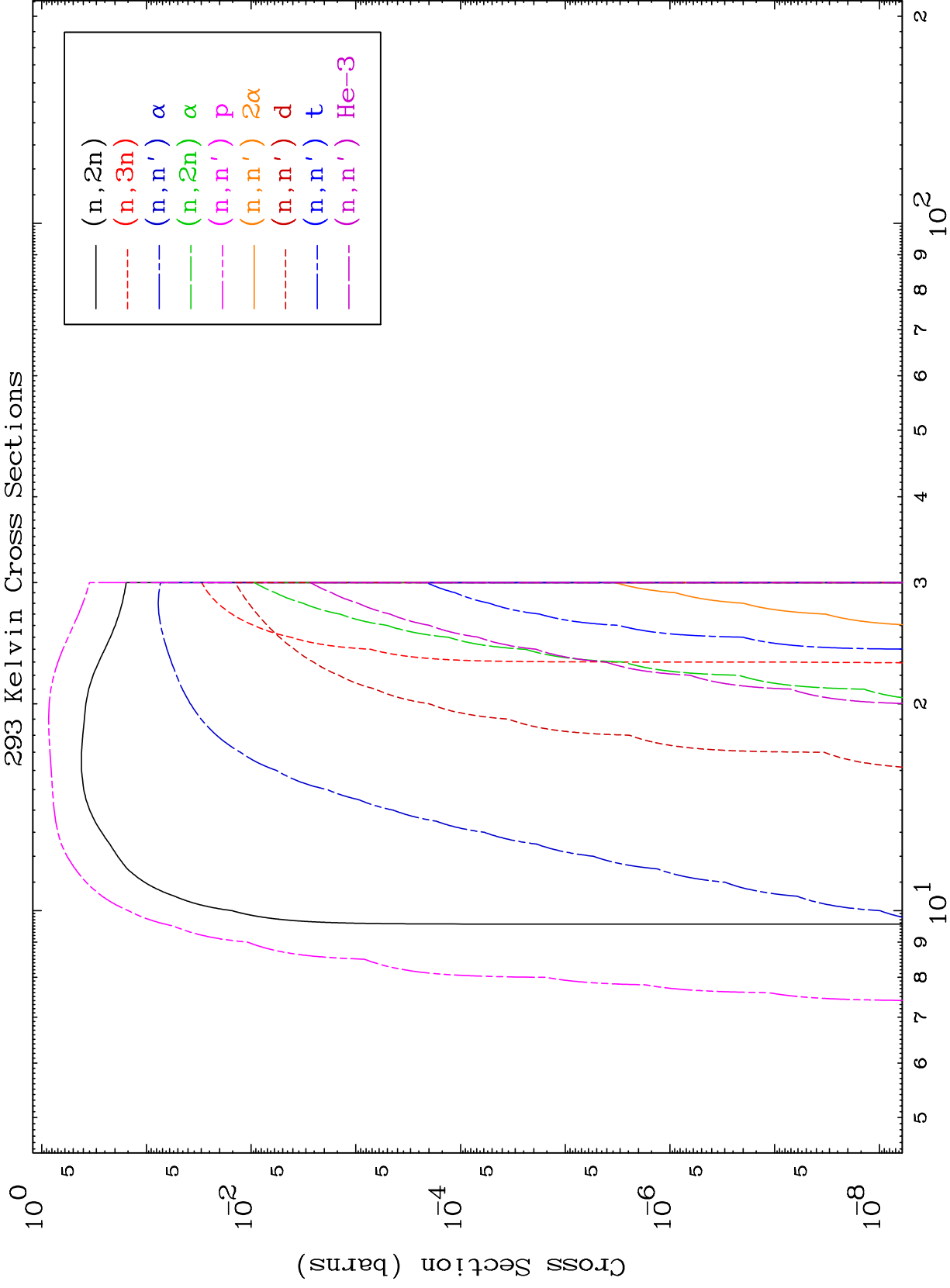
42-Mo-91m



MAT 4223

Neutron Absorption  
293 Kelvin Cross Sections

42-Mo-91m



2

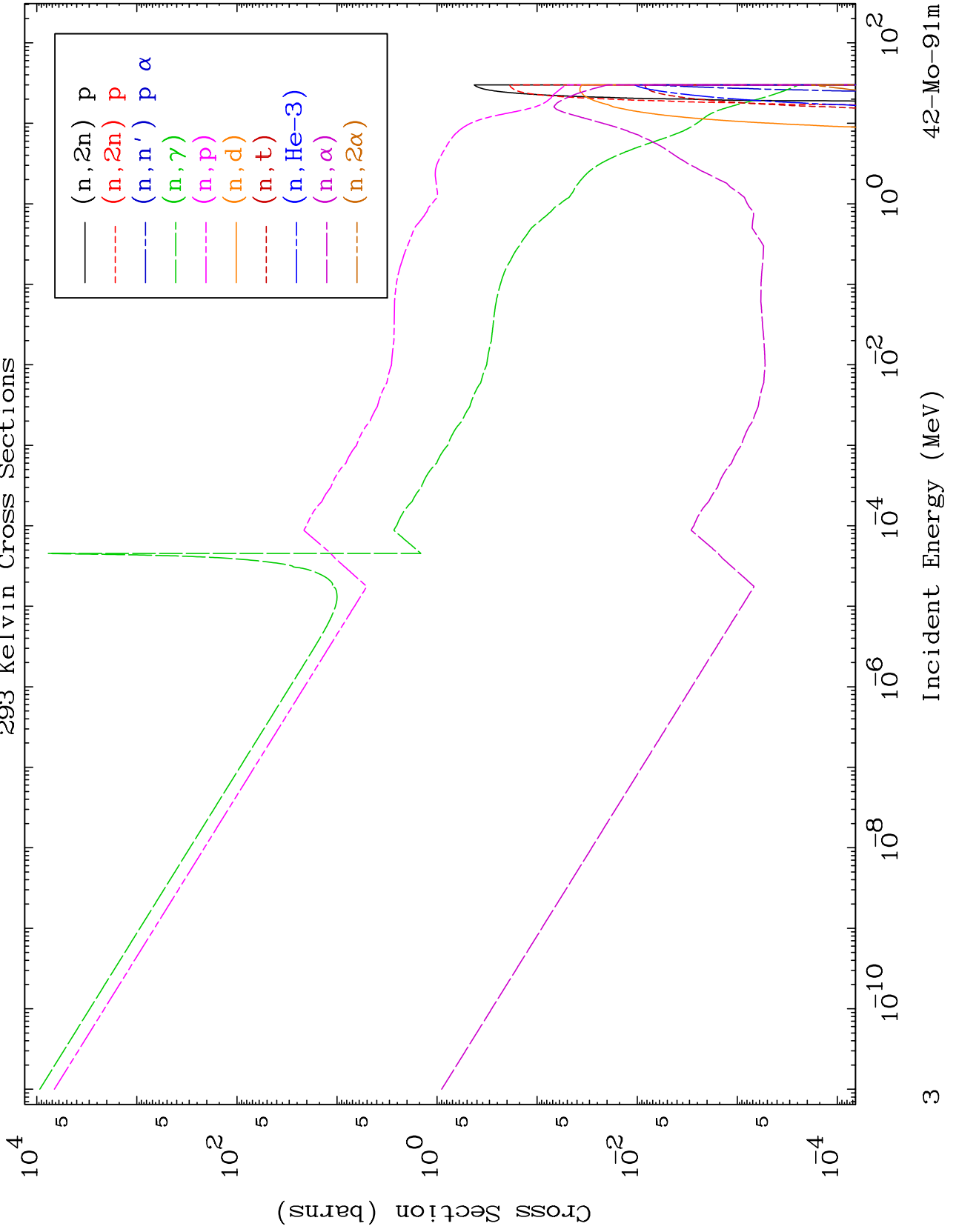
Incident Energy (MeV)

42-Mo-91m

MAT 4223

Neutron Absorption  
293 Kelvin Cross Sections

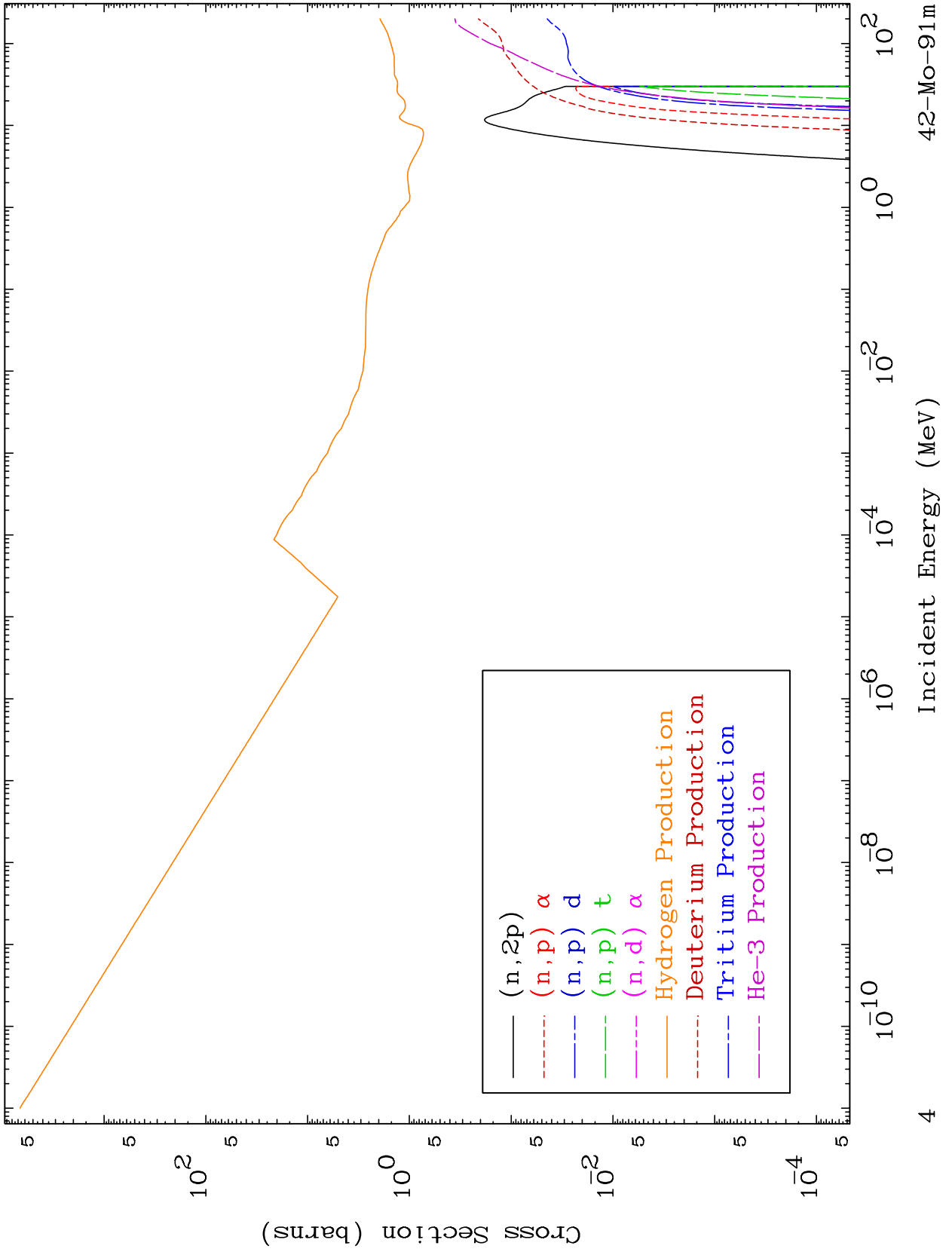
42-Mo-91m



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Neutron Absorption  
293 Kelvin Cross Sections

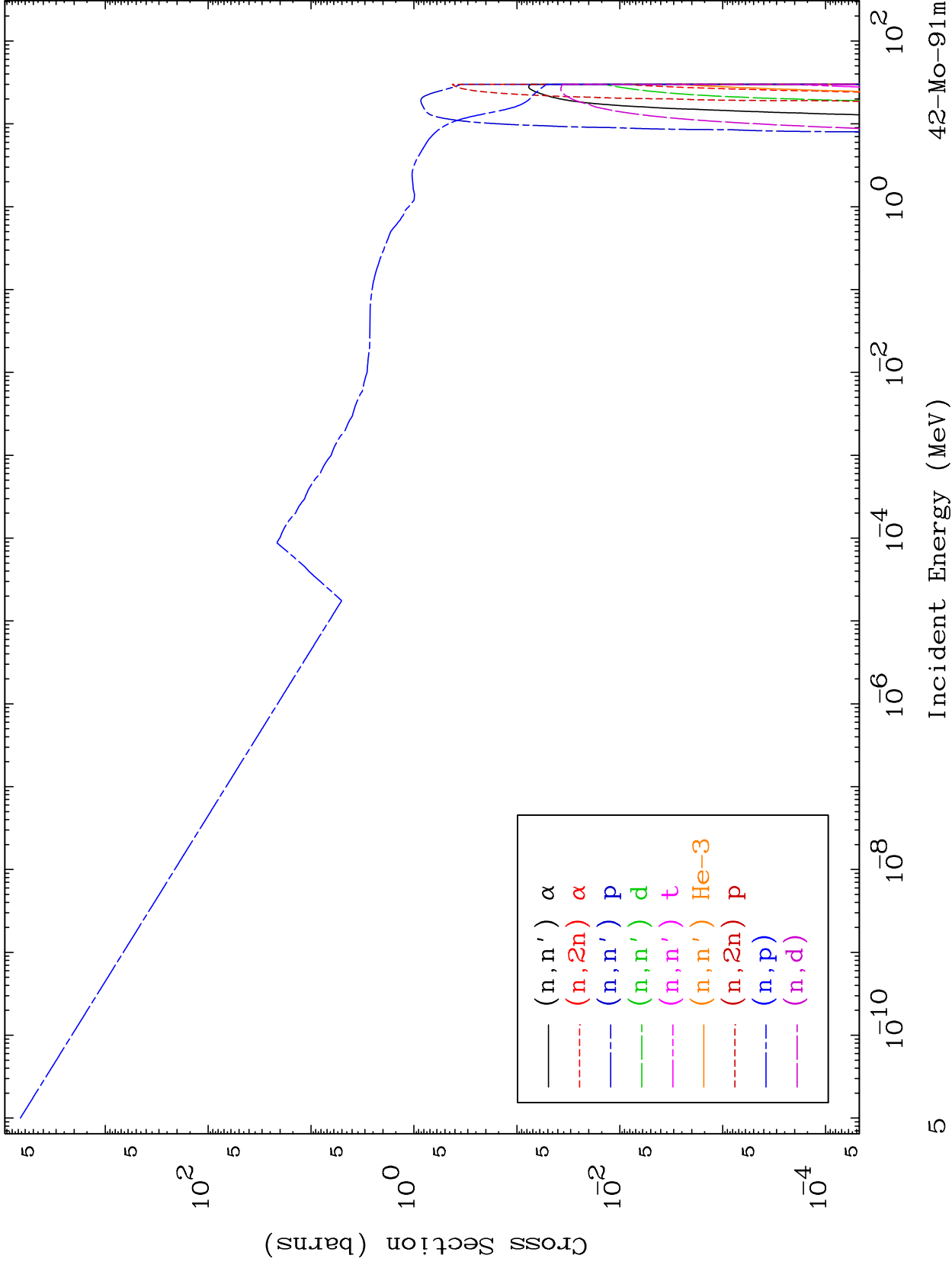
42-Mo-91m

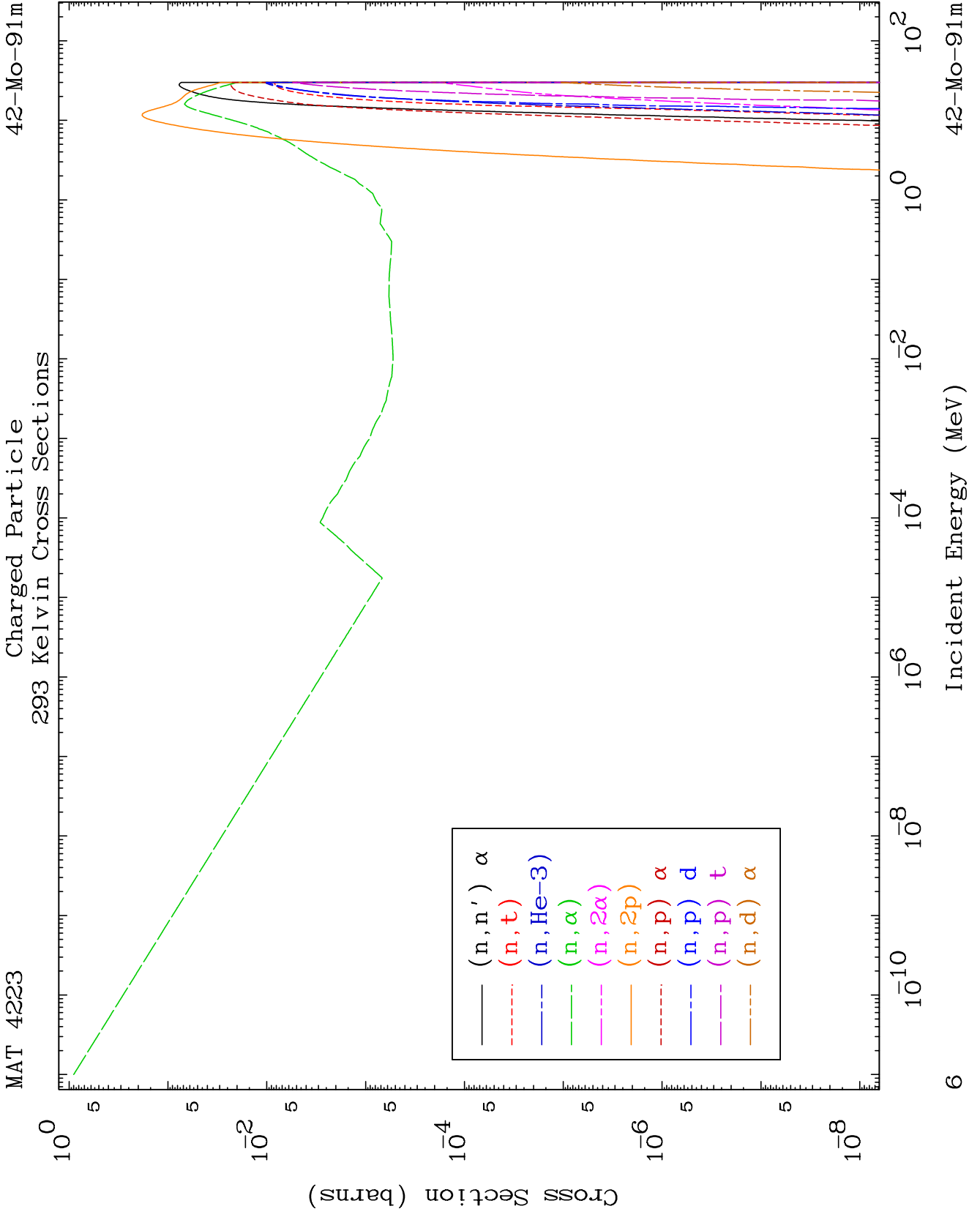


MAT 4223

Charged Particle  
293 Kelvin Cross Sections

42-Mo-91m

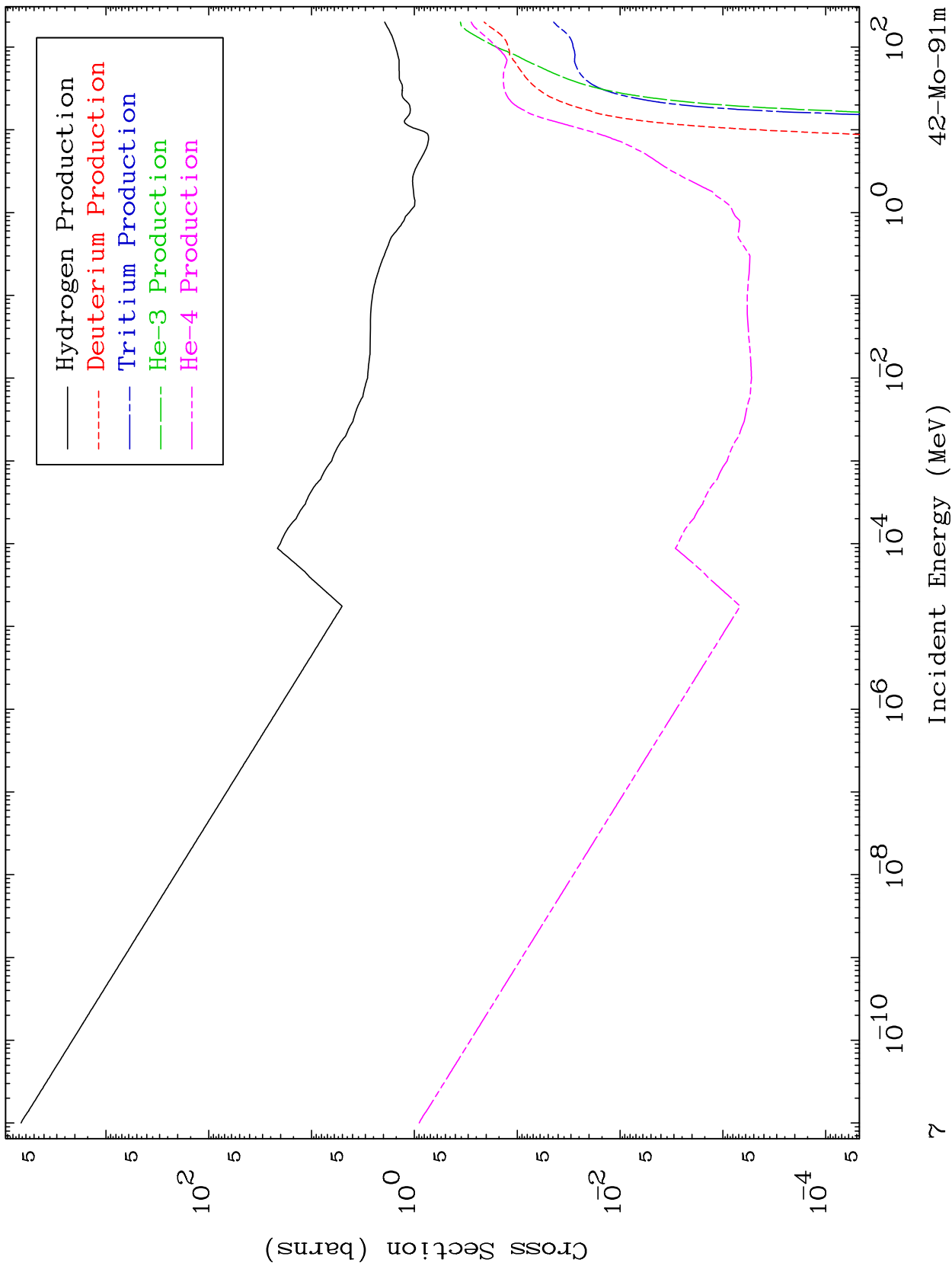




MAT 4223

Particle Production  
293 Kelvin Cross Sections

42-Mo-91m

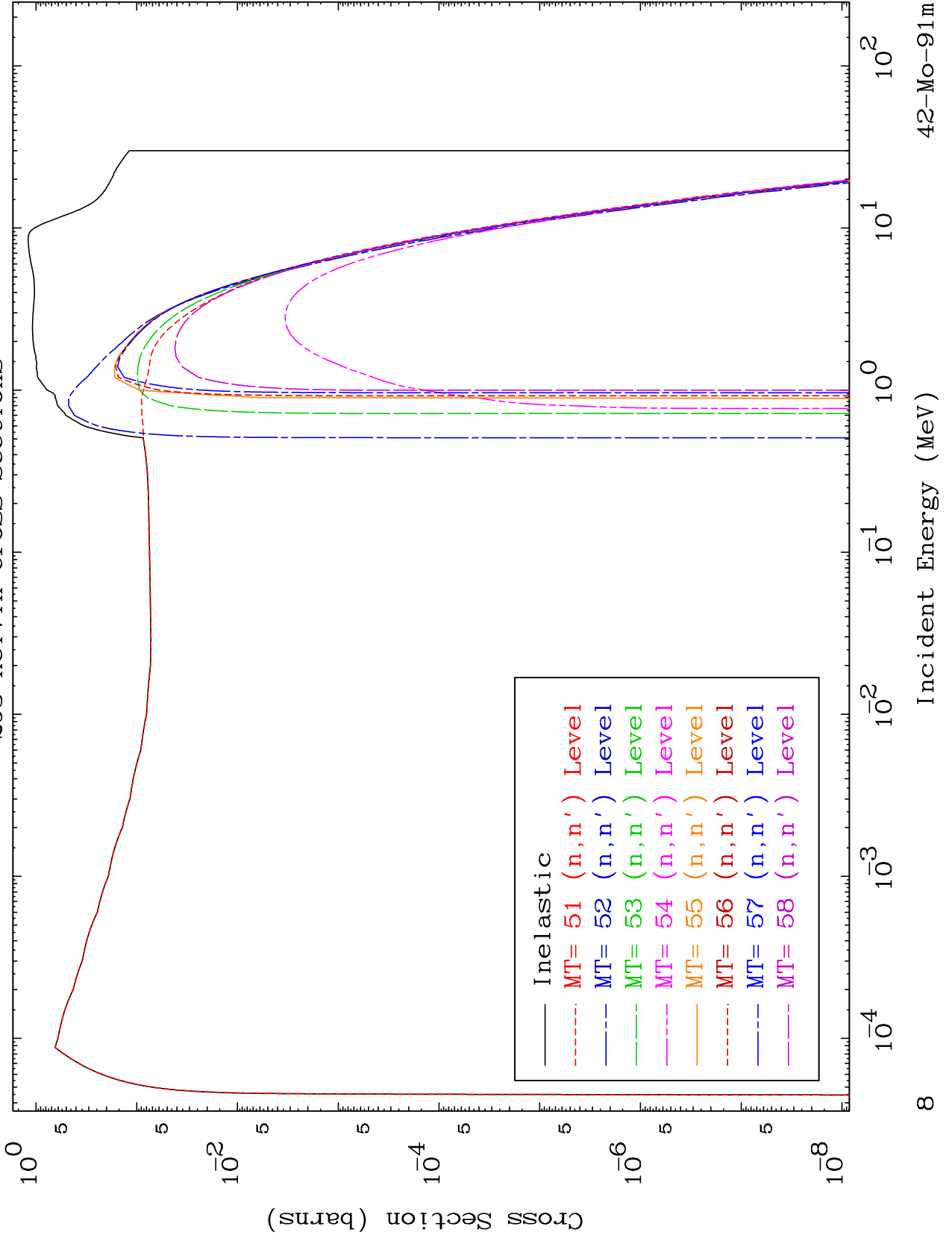




MAT 4223

(n,n') Levels  
293 Kelvin Cross Sections

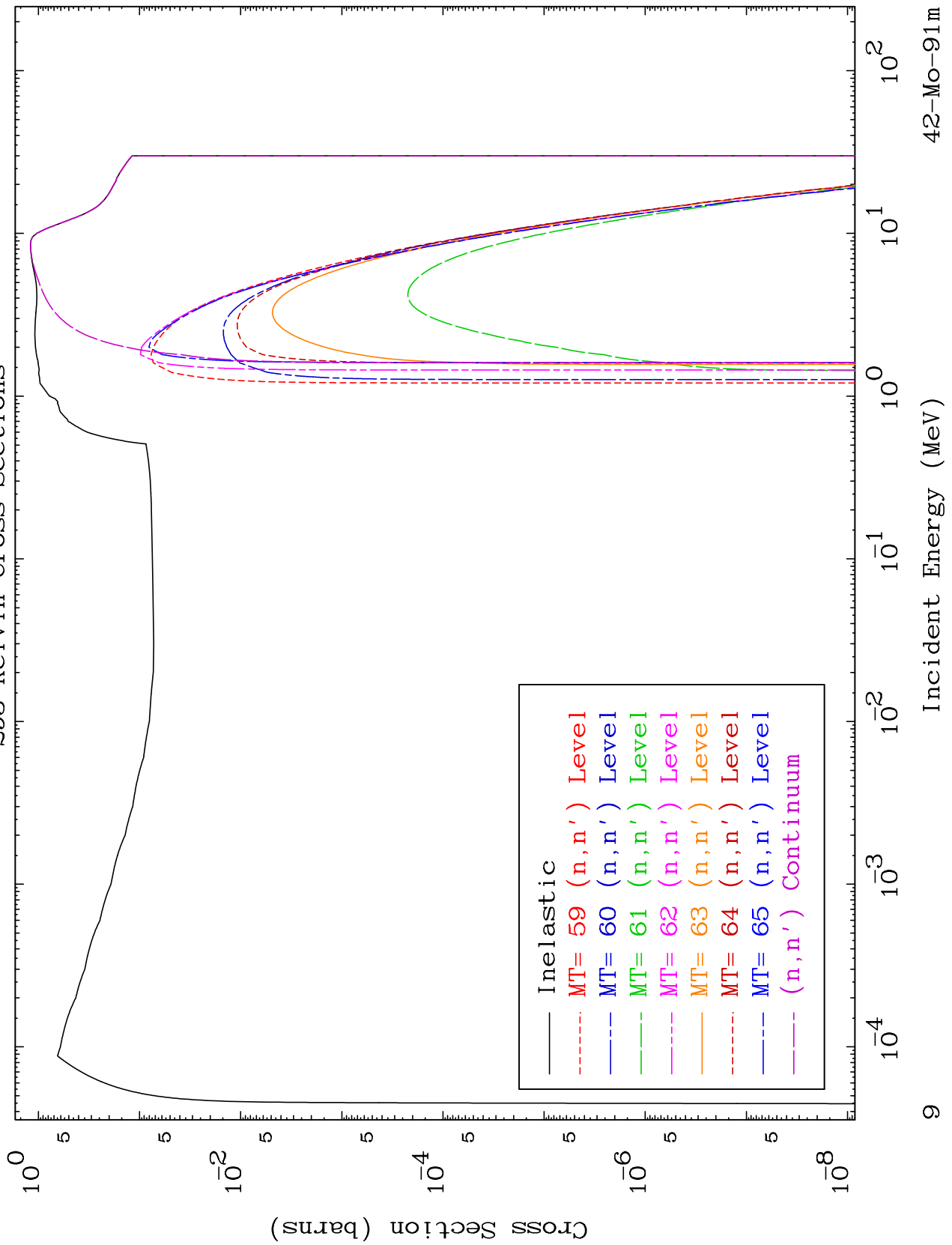
42-Mo-91m



MAT 4223

(n,n') Levels  
293 Kelvin Cross Sections

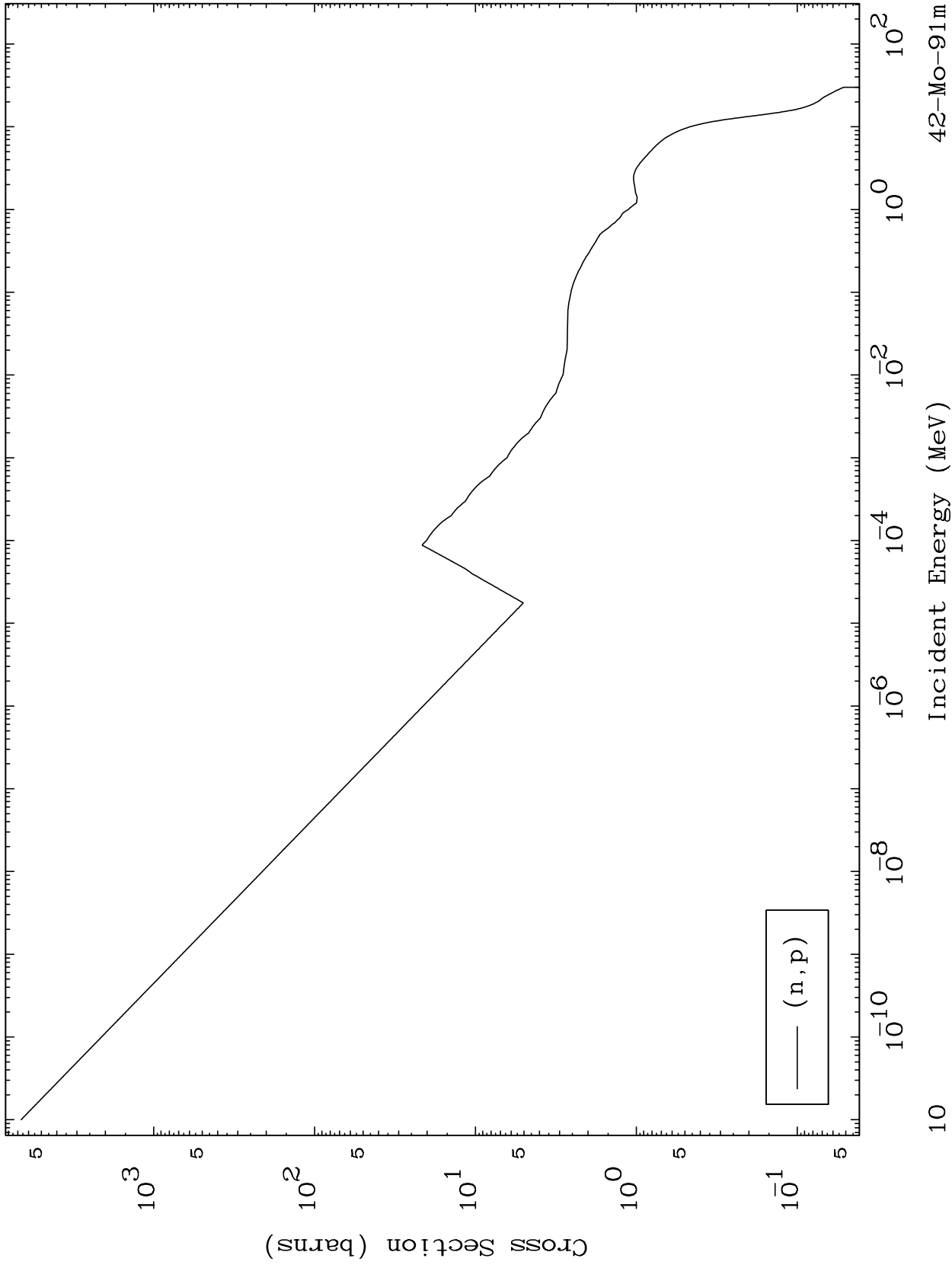
42-Mo-91m



MAT 4223

(n,p) Levels  
293 Kelvin Cross Sections

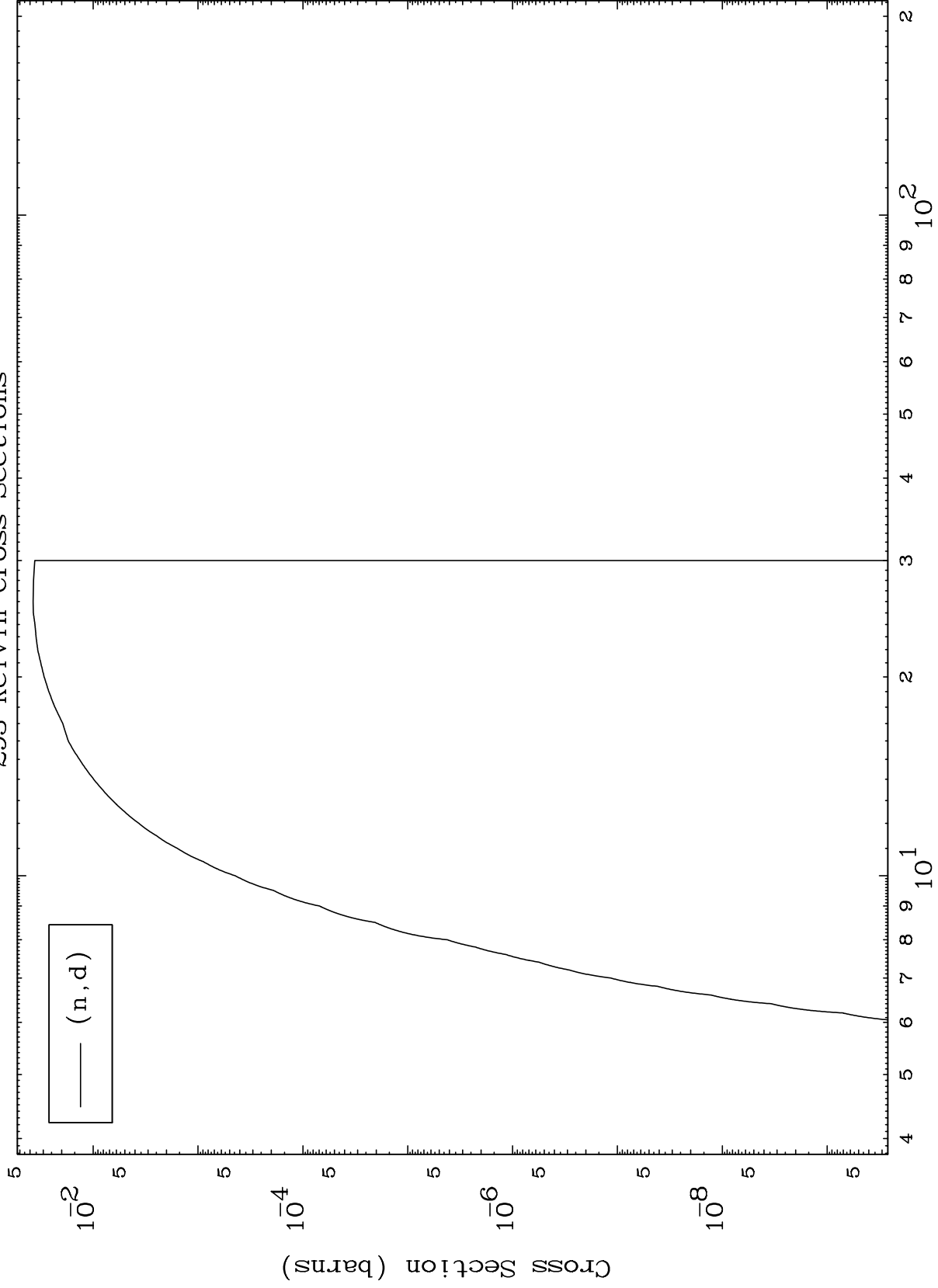
42-Mo-91m



MAT 4223

(n,d) Levels  
293 Kelvin Cross Sections

42-Mo-91m



(n,d)

Incident Energy (MeV)

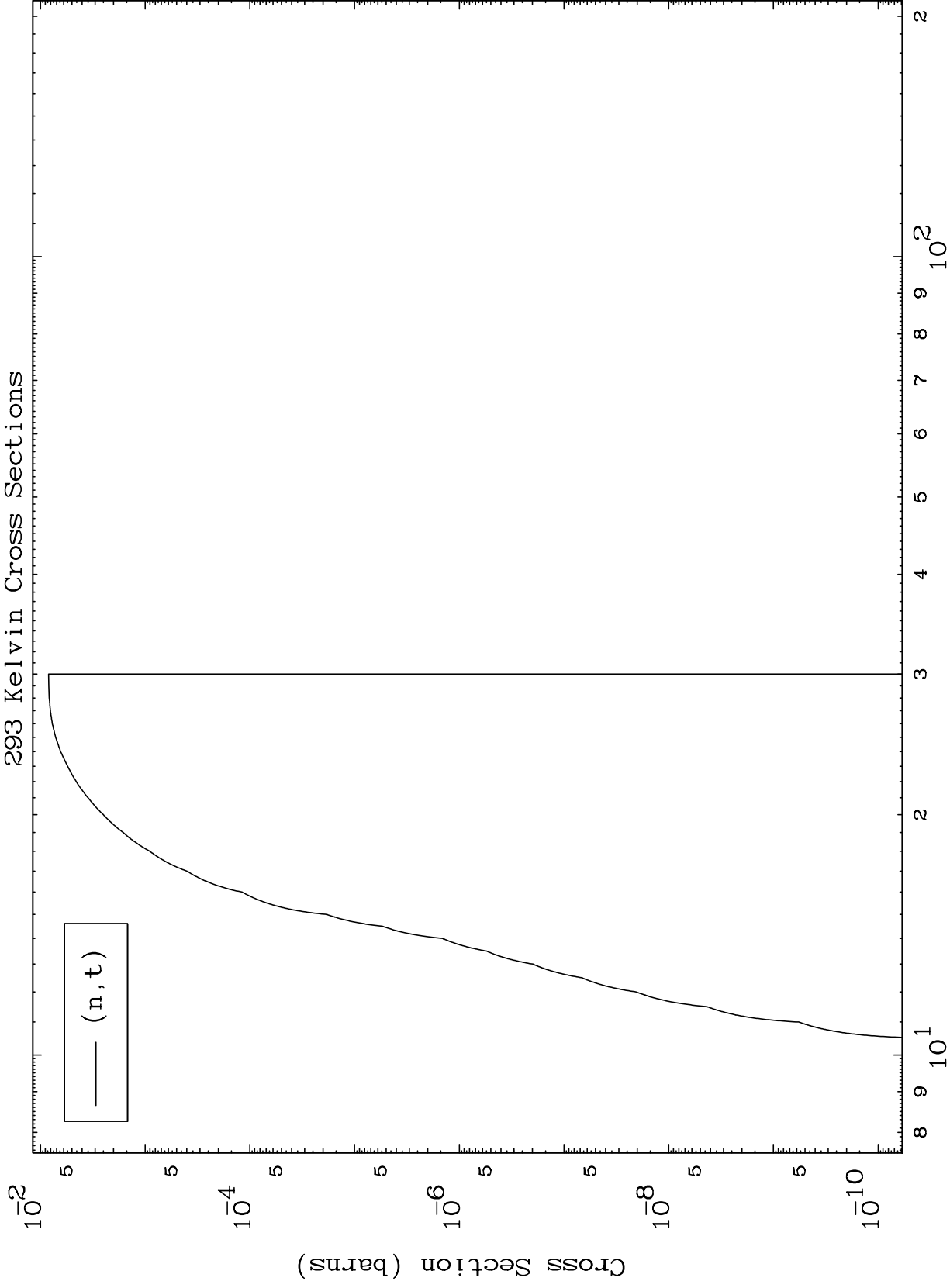
42-Mo-91m

11

MAT 4223

(n,t) Levels  
293 Kelvin Cross Sections

42-Mo-91m



12

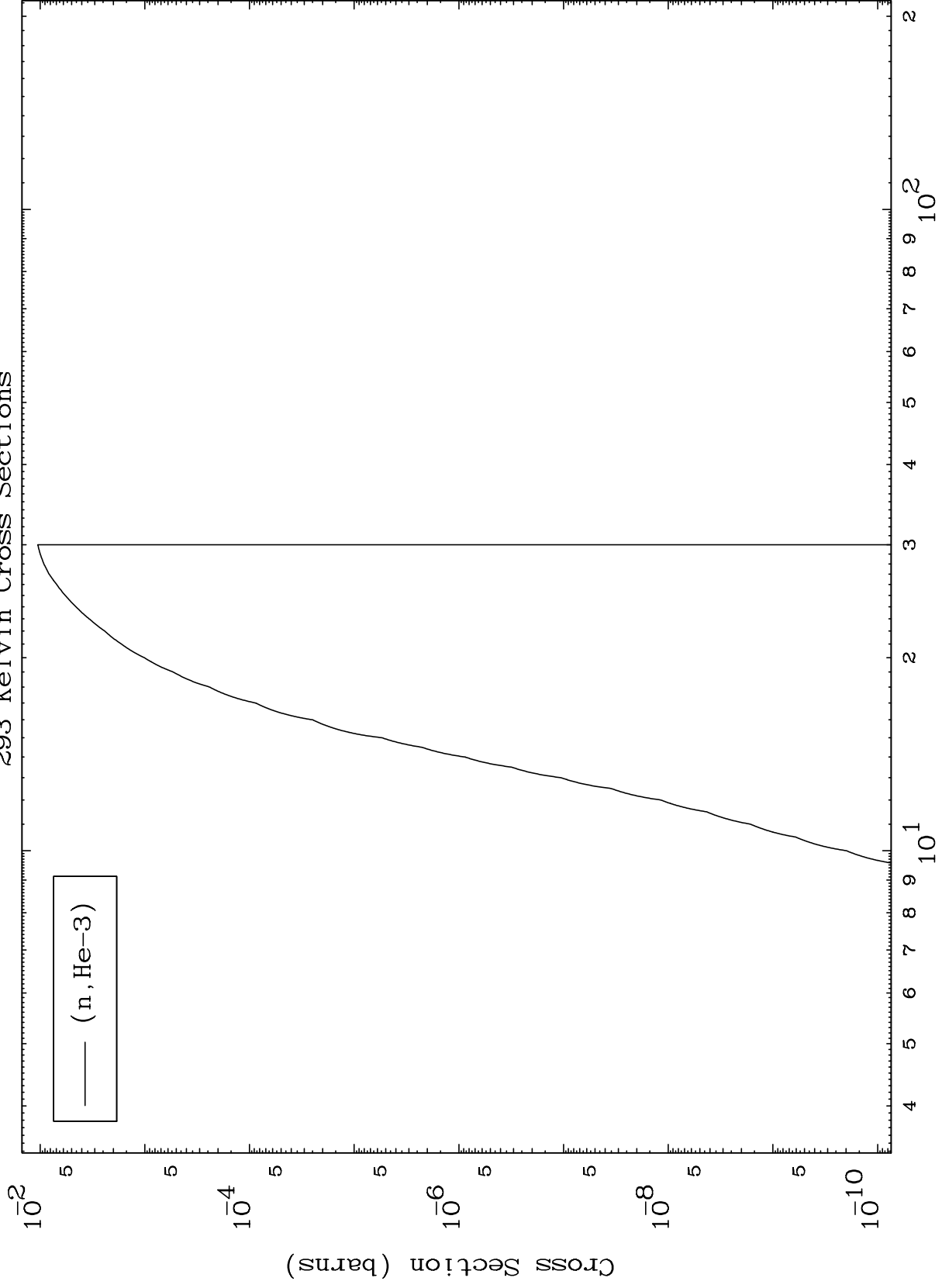
Incident Energy (MeV)

42-Mo-91m

MAT 4223

(n,He3) Levels  
293 Kelvin Cross Sections

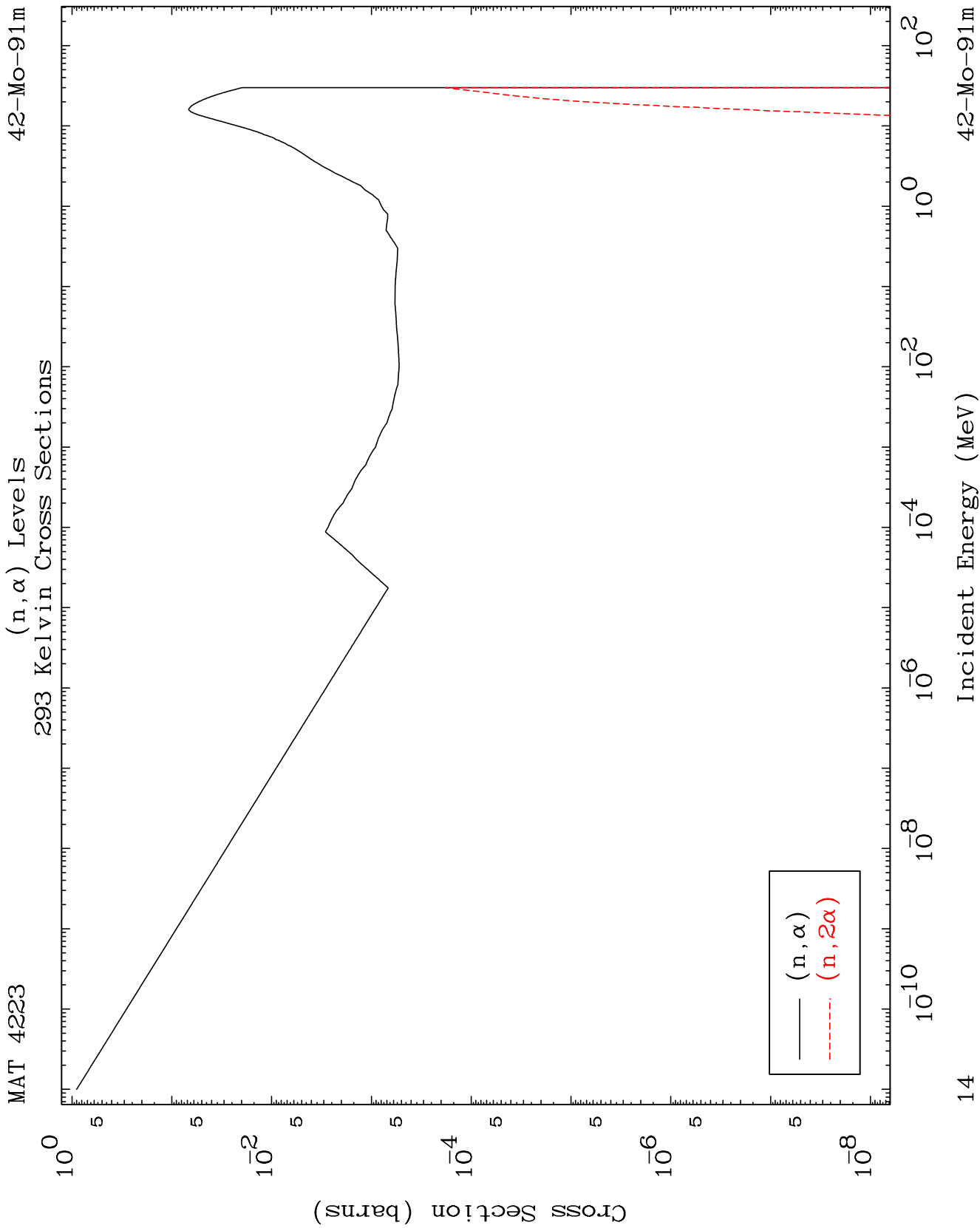
42-Mo-91m



13

Incident Energy (MeV)

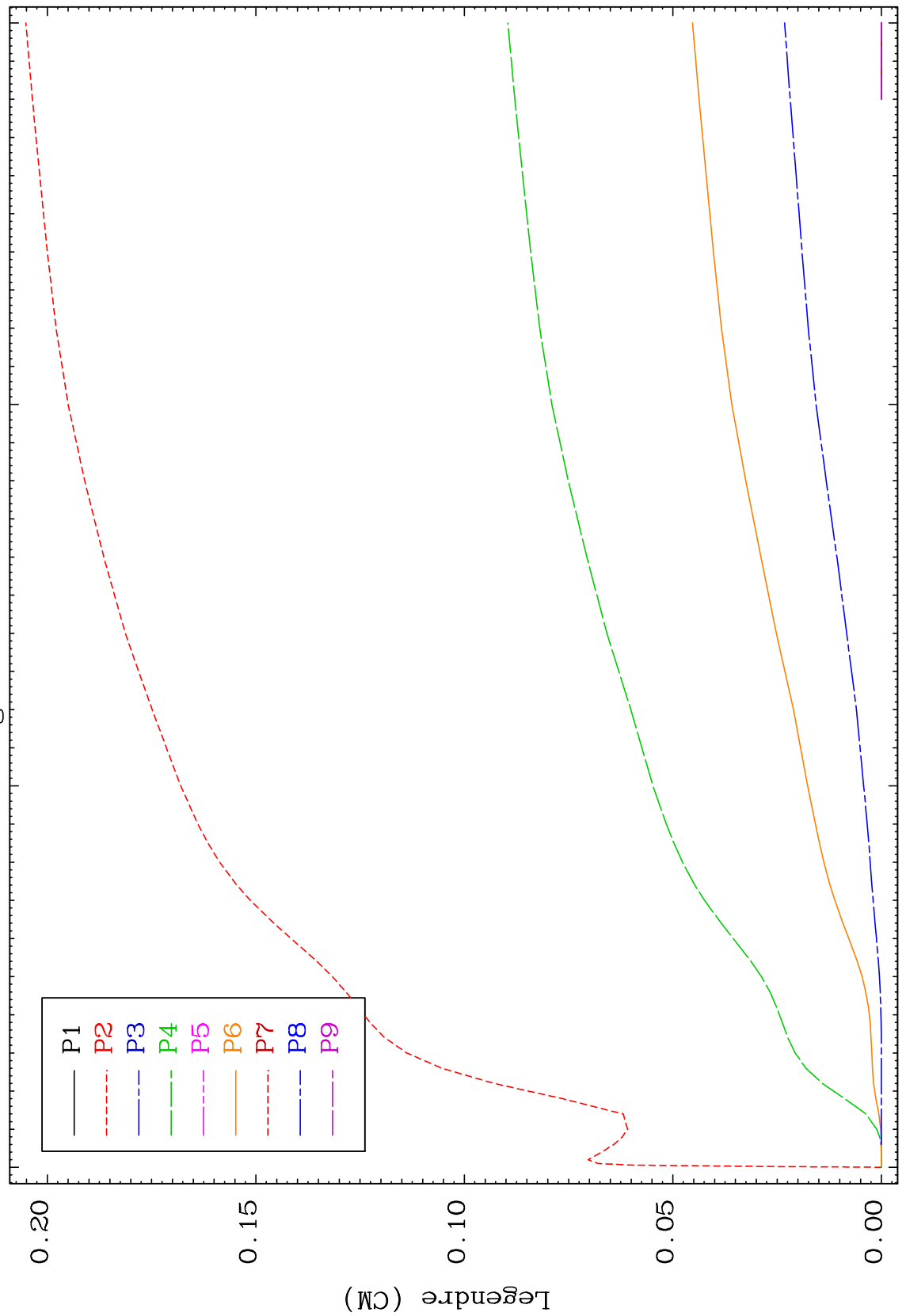
42-Mo-91m



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Elastic Legendre Coefficients

42-Mo-91m



15

Incident Energy (MeV)

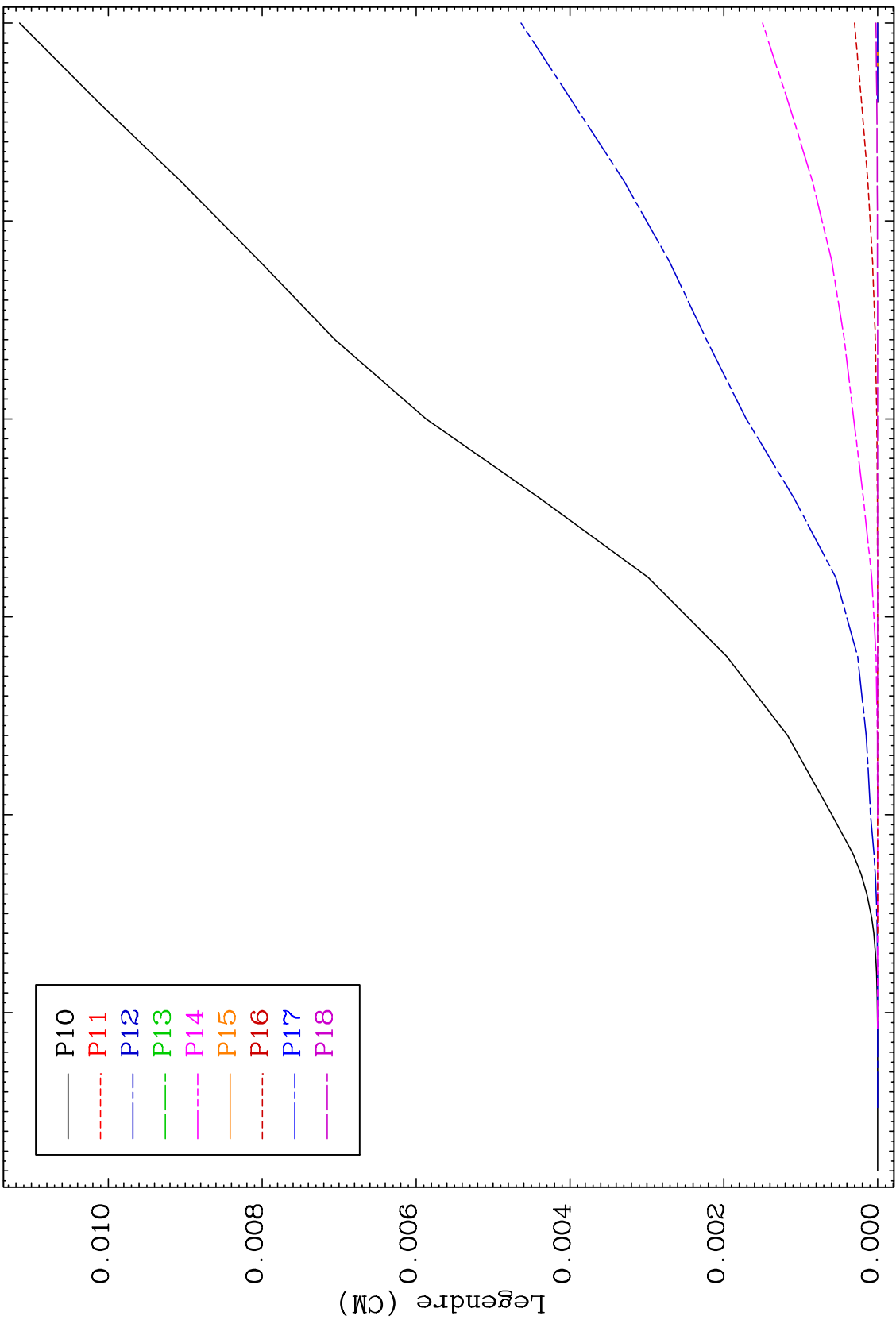
42-Mo-91m



MAT 4223

Elastic Legendre Coefficients

42-Mo-91m



16

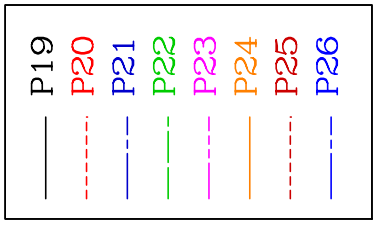
42-Mo-91m

Incident Energy (MeV)

MAT 4223

Elastic Legendre Coefficients

42-Mo-91m



$\times 10^{-6}$   
Legendre (CM)  
1.2  
1.0  
0.8  
0.6  
0.4  
0.2  
0.0

15 20 25 30

17

Incident Energy (MeV)

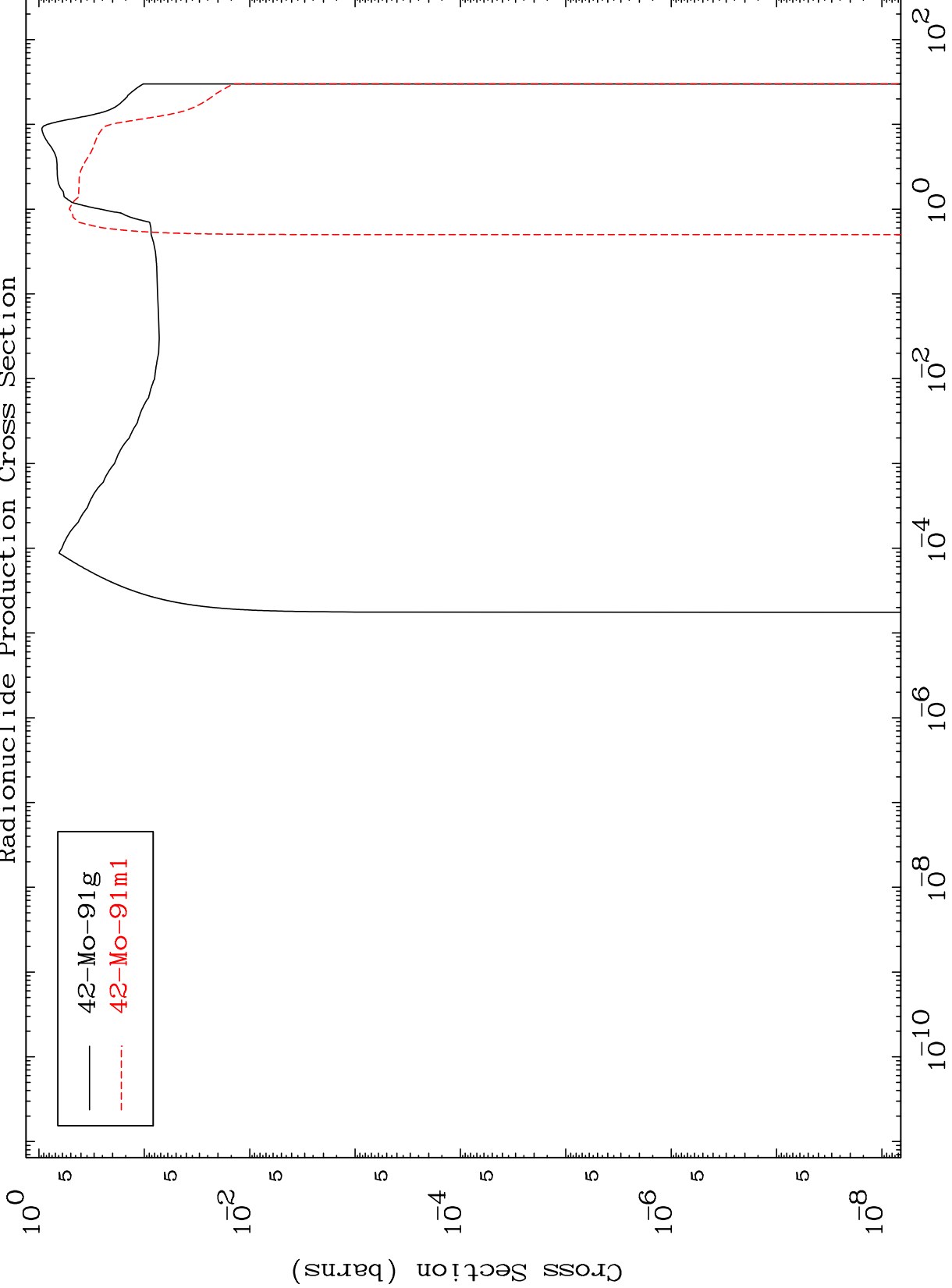
42-Mo-91m



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Inelastic  
Radionuclide Production Cross Section

42-Mo-91m



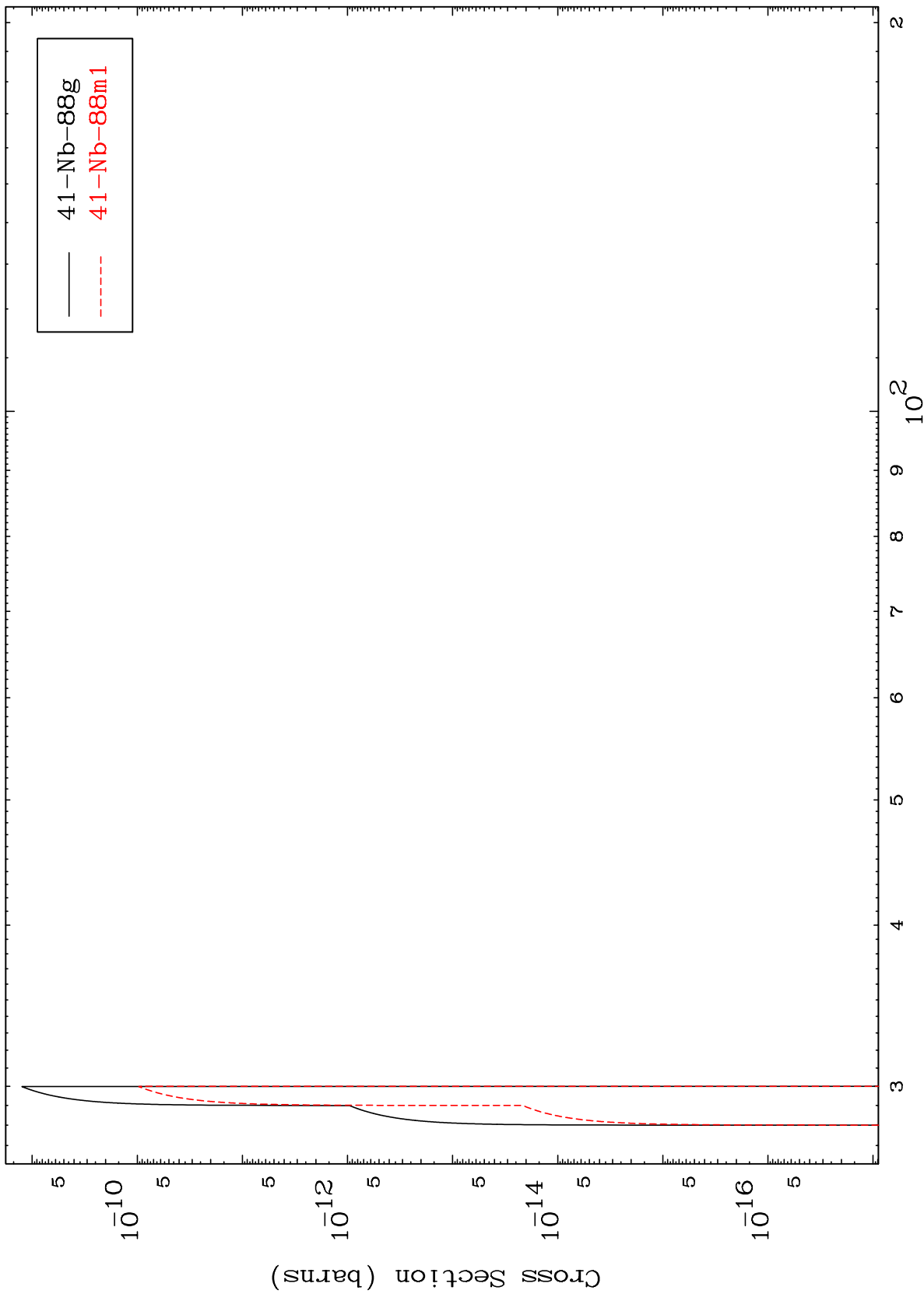
— 42-Mo-91g  
- - - 42-Mo-91m1

MAT 4223

(n,2n) d

42-Mo-91m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

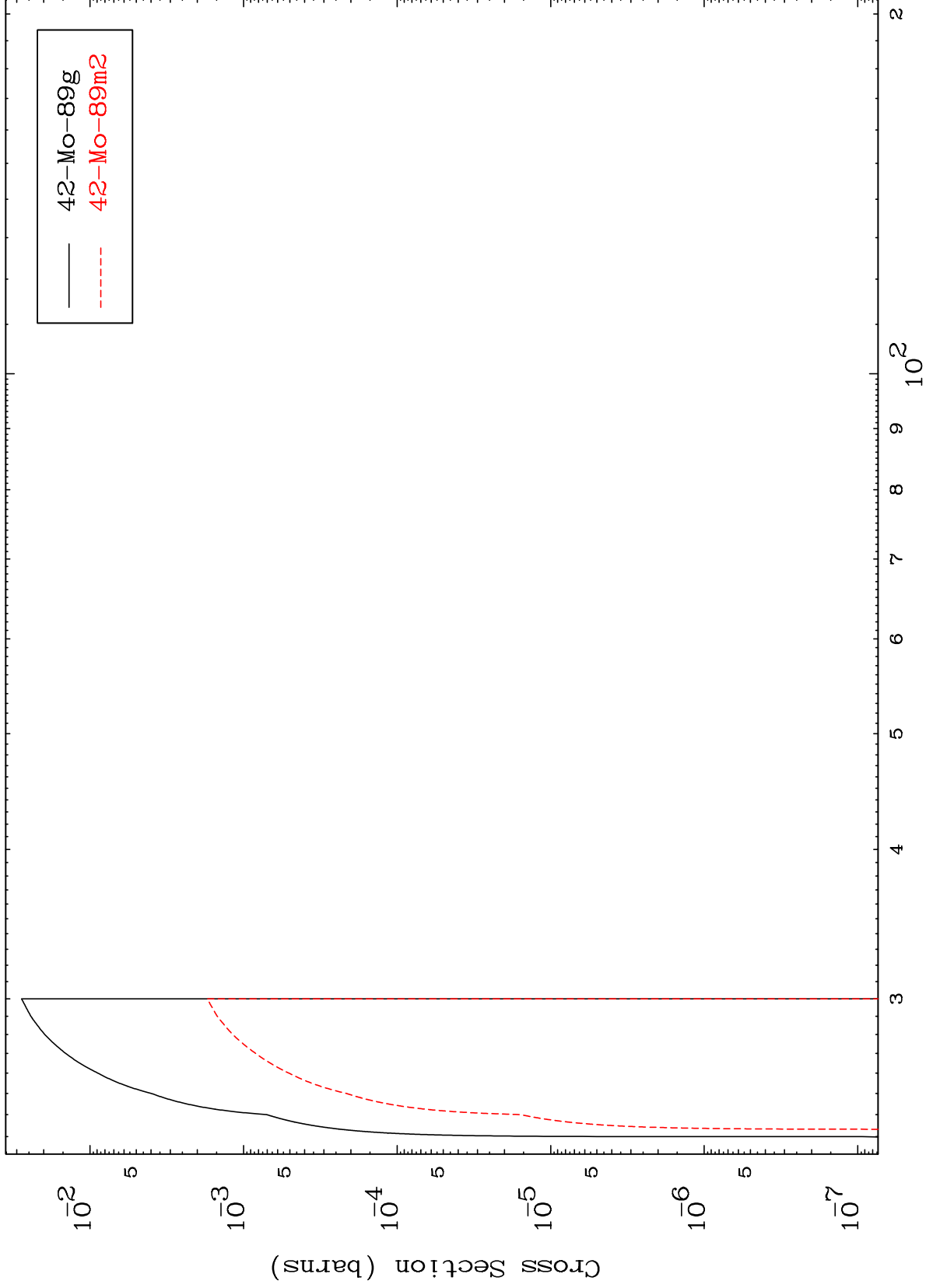
42-Mo-91m

MAT 4223

(n,3n)

42-Mo-91m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

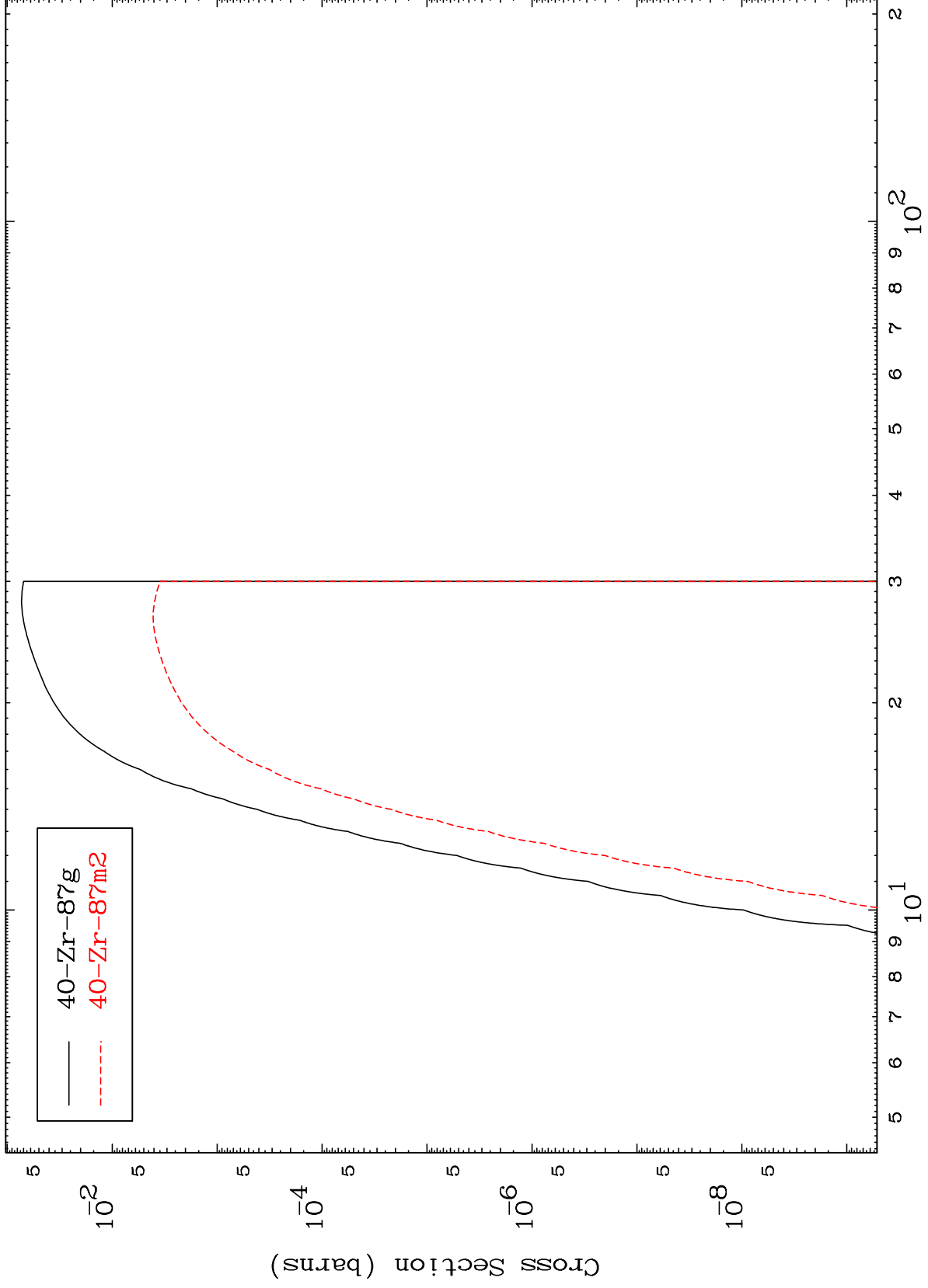
42-Mo-91m

MAT 4223

(n,n')  $\alpha$

42-Mo-91m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

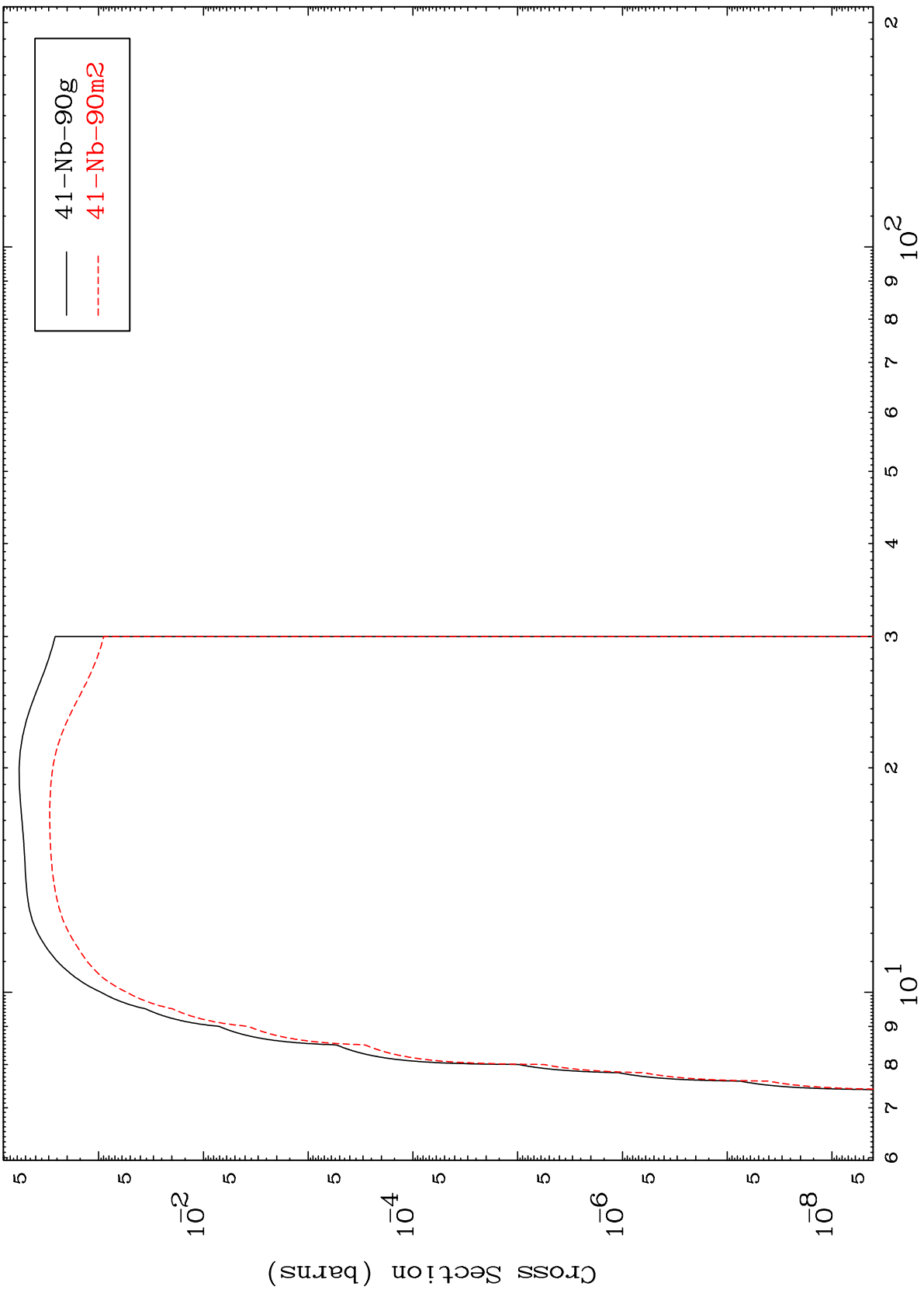
42-Mo-91m

MAT 4223

(n,n') p

42-Mo-91m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

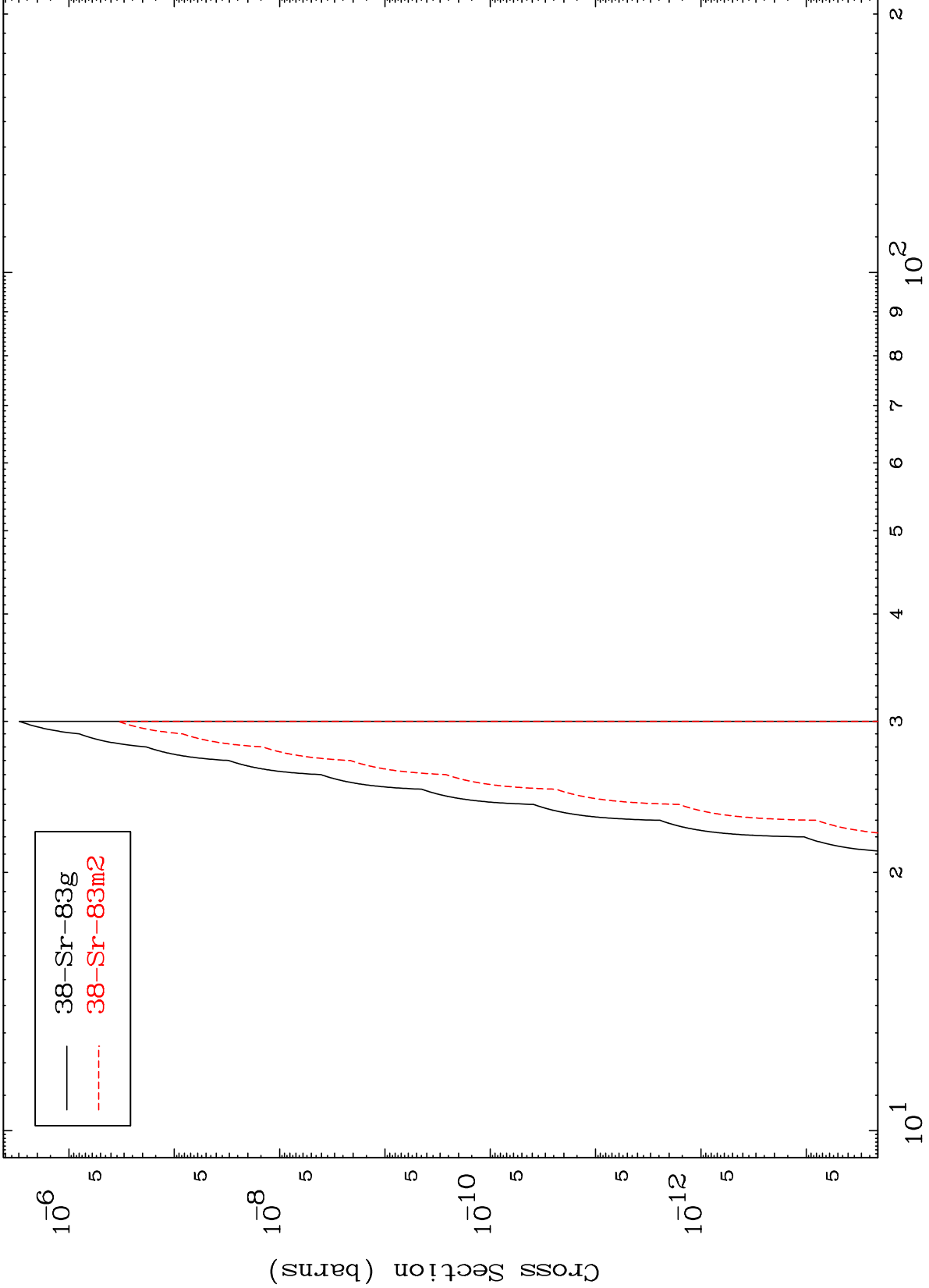
42-Mo-91m

MAT 4223

(n,n') 2α

42-Mo-91m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

42-Mo-91m

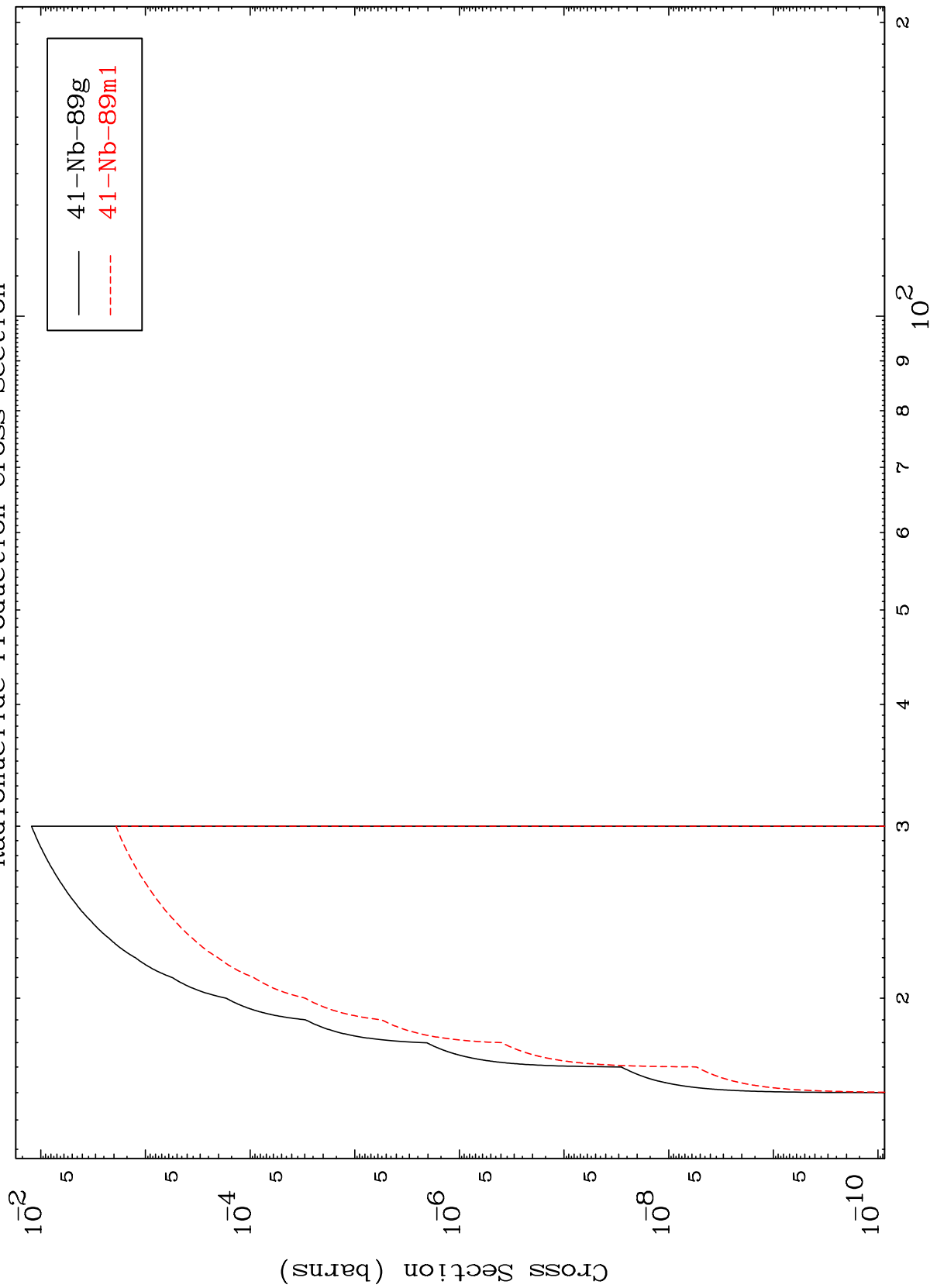


MAT 4223

(n,n') d

42-Mo-91m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

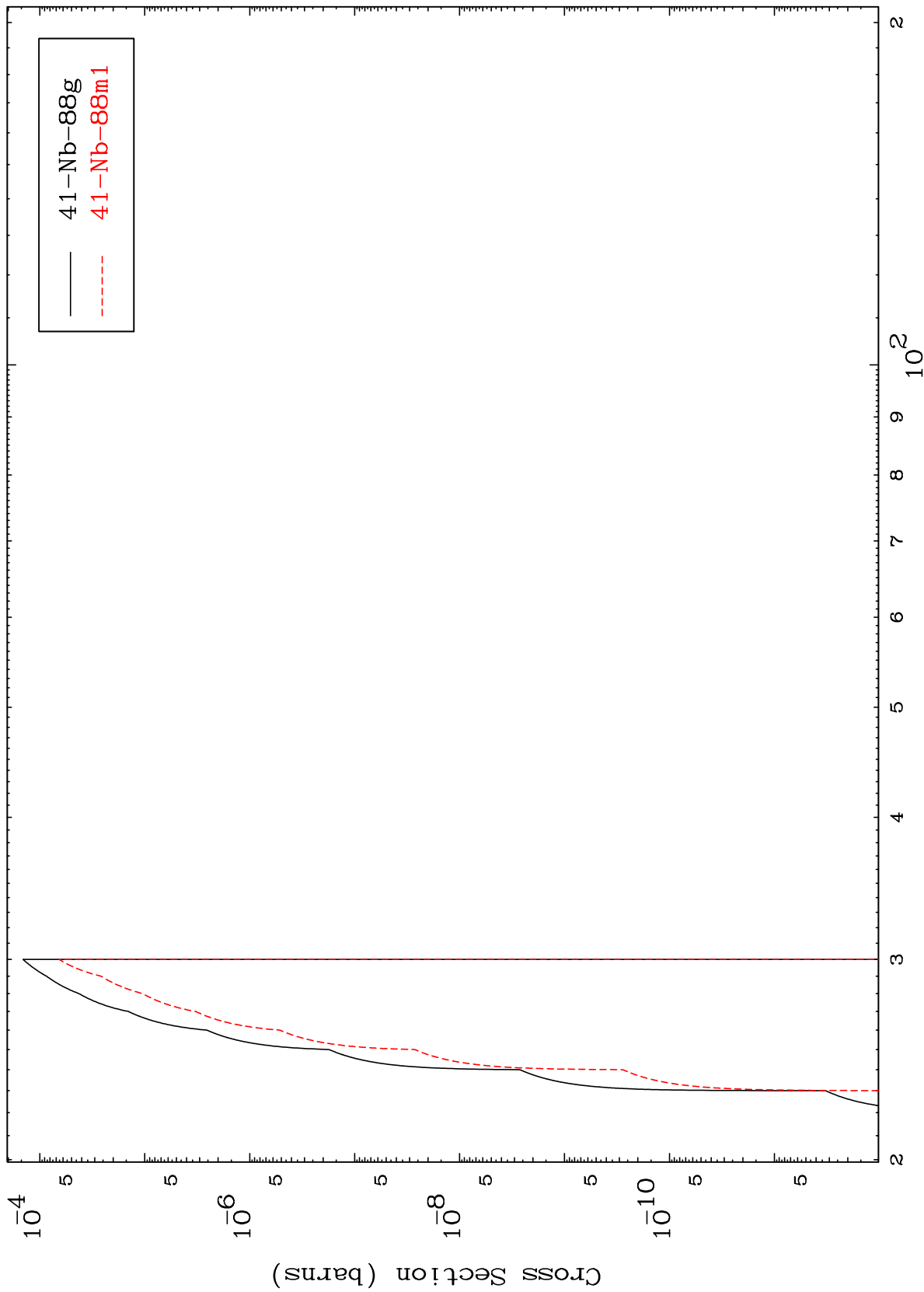
42-Mo-91m

MAT 4223

(n,n') t

42-Mo-91m

Radionuclide Production Cross Section

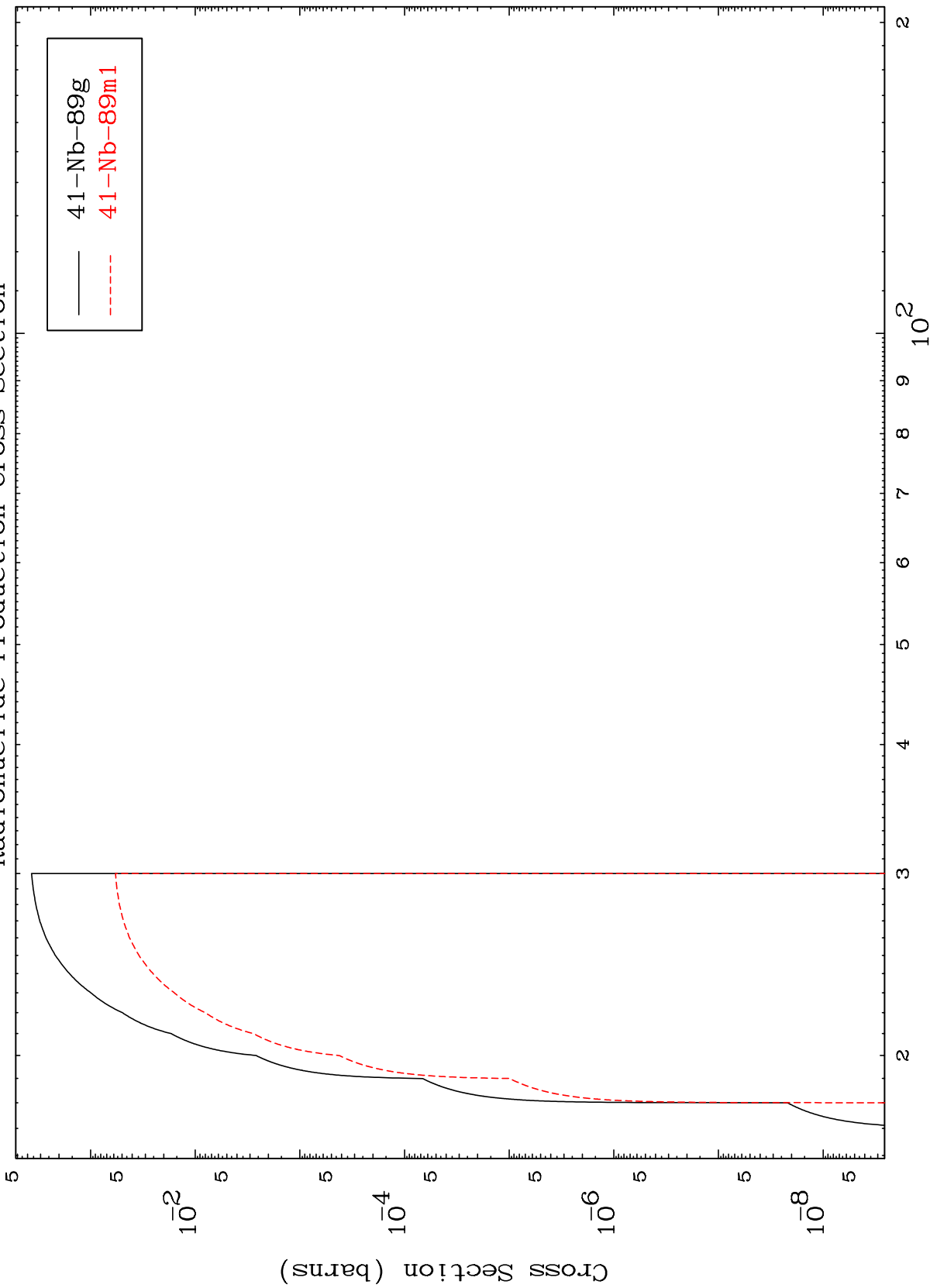


25

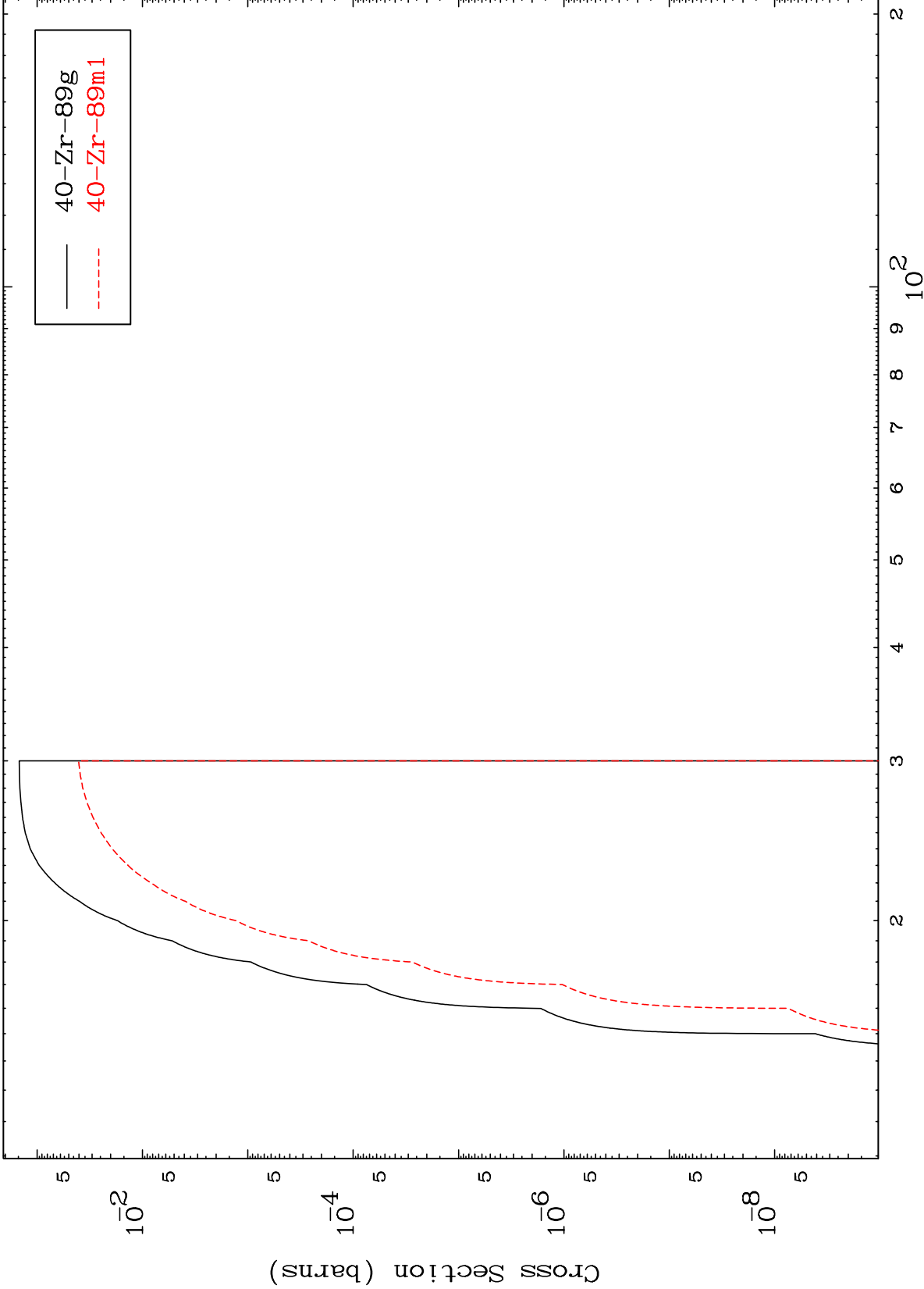
Incident Energy (MeV)

42-Mo-91m

Radionuclide Production Cross Section



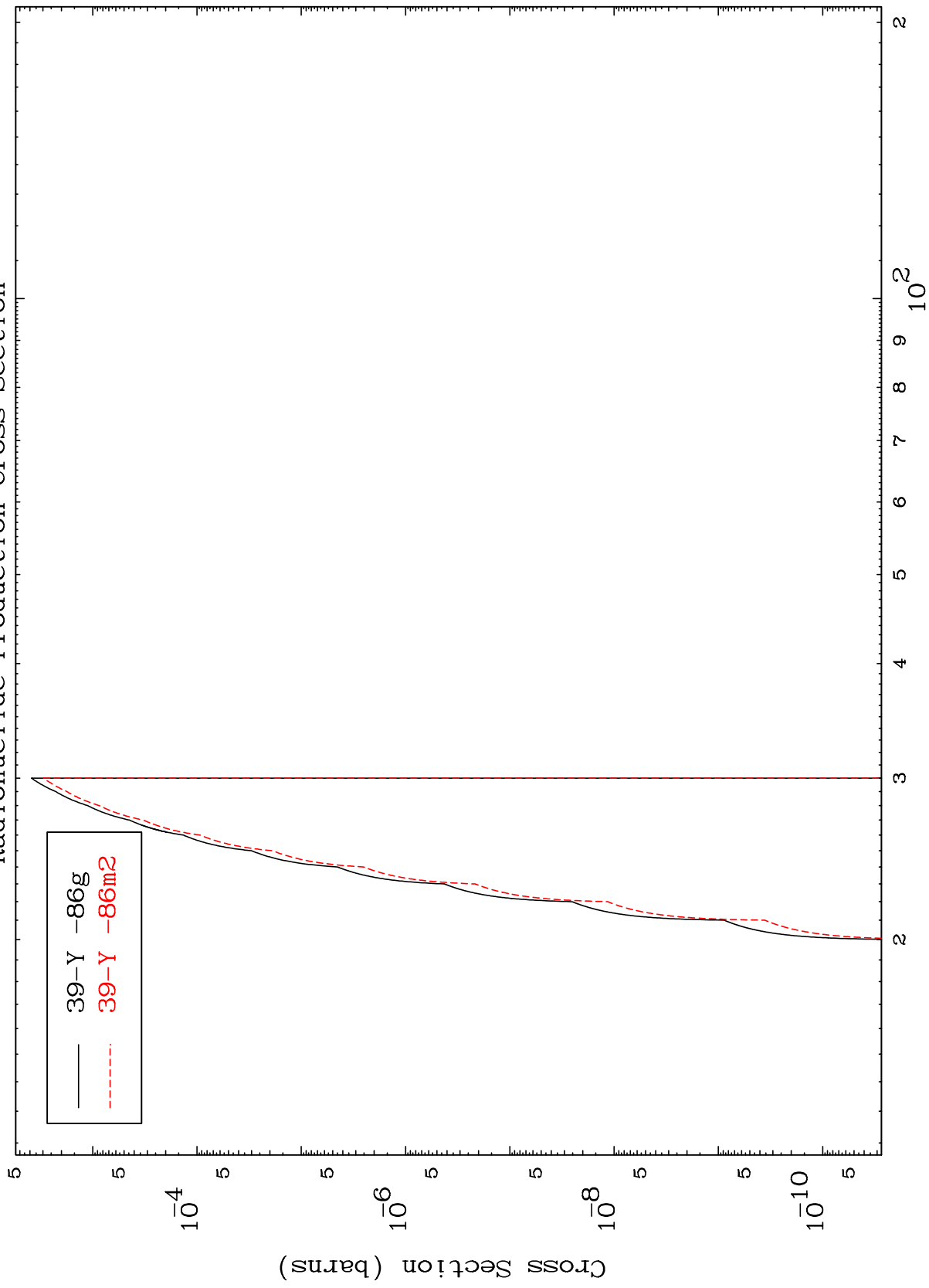
Radionuclide Production Cross Section



MAT 4223

42-Mo-91m

(n,n') p  $\alpha$   
Radionuclide Production Cross Section



42-Mo-91m

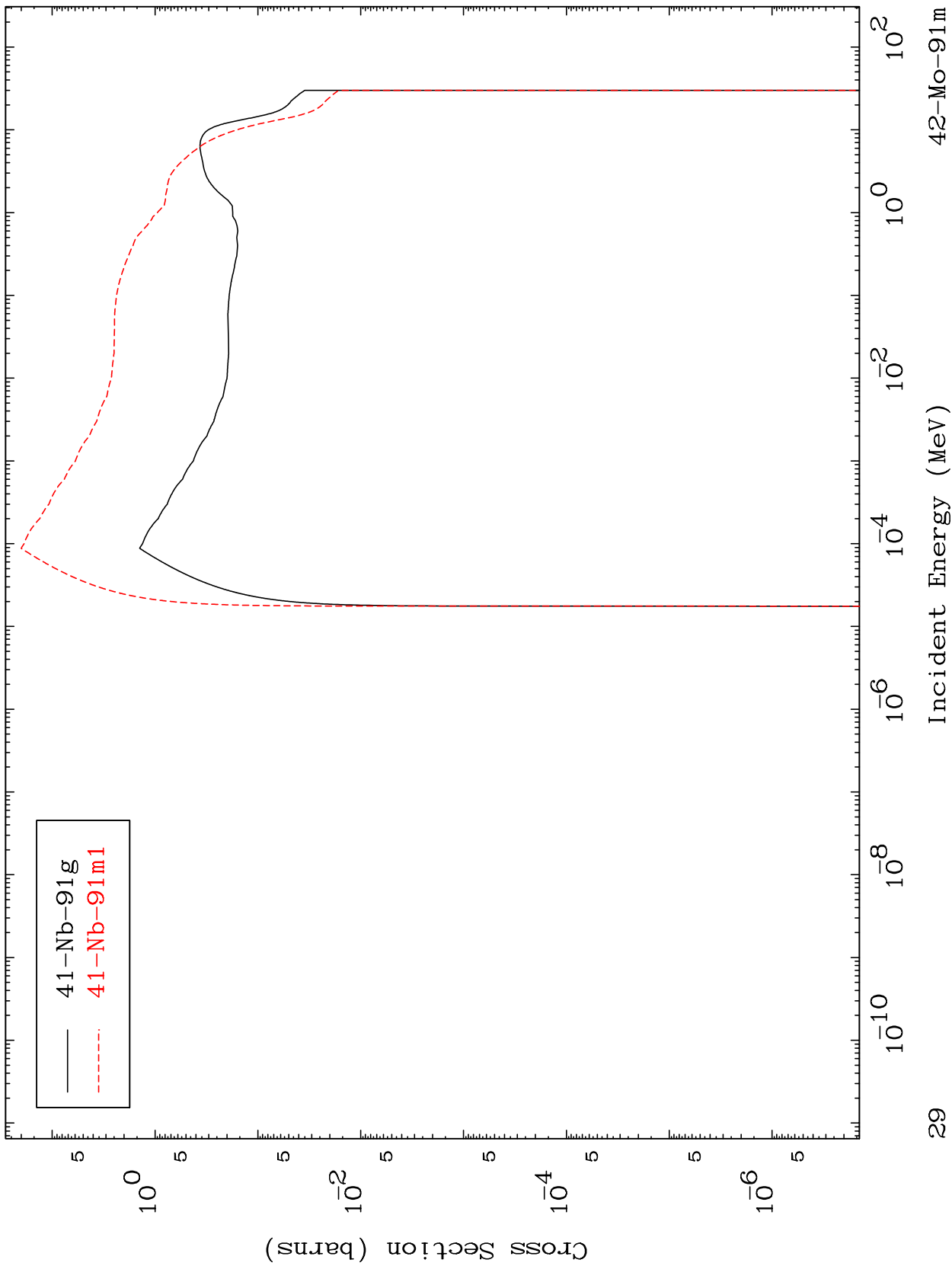
Incident Energy (MeV)

28

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42-Mo-91m

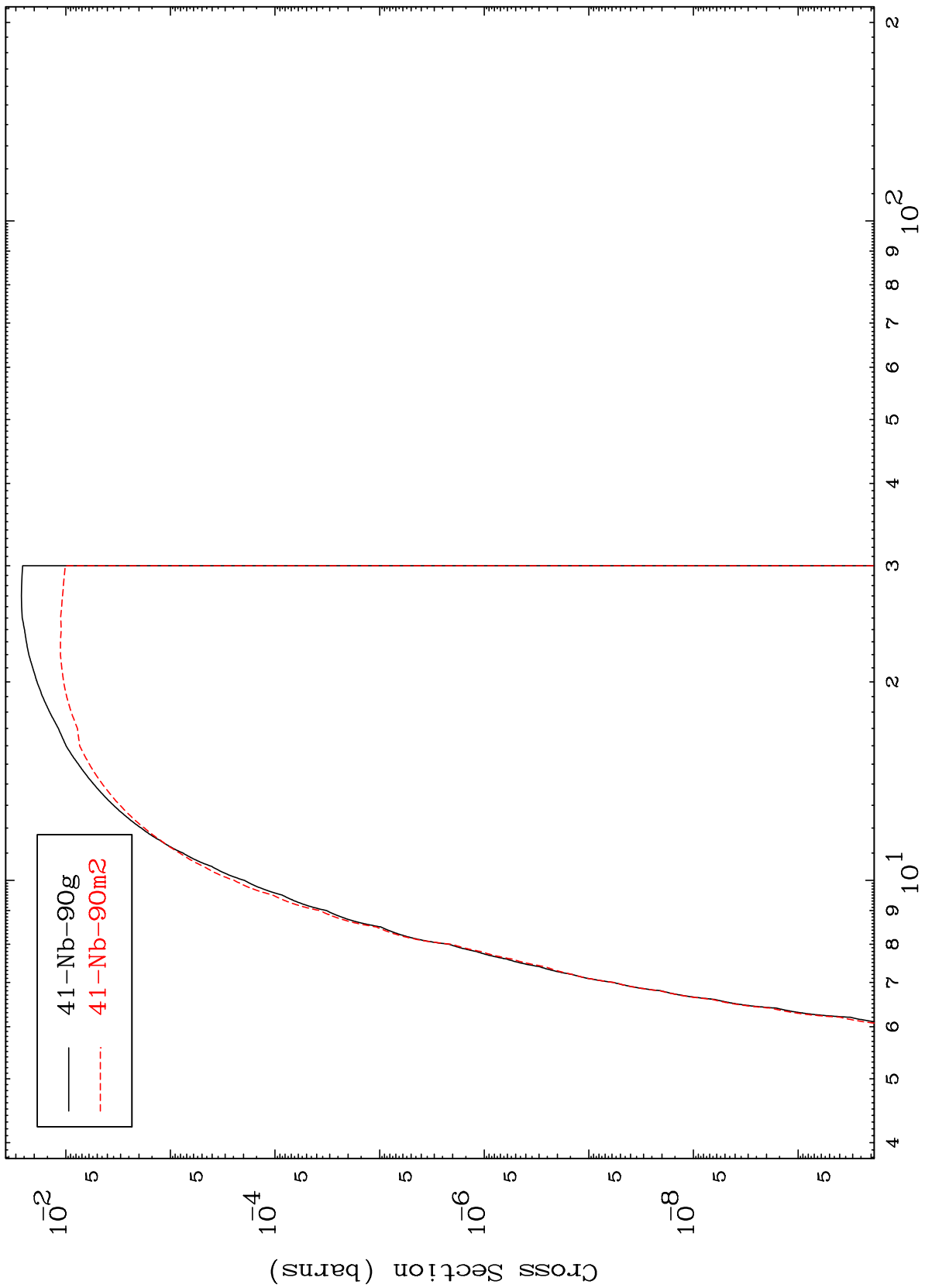
(n,p)  
Radionuclide Production Cross Section



MAT 4223

42-Mo-91m

(n,d)  
Radionuclide Production Cross Section



30

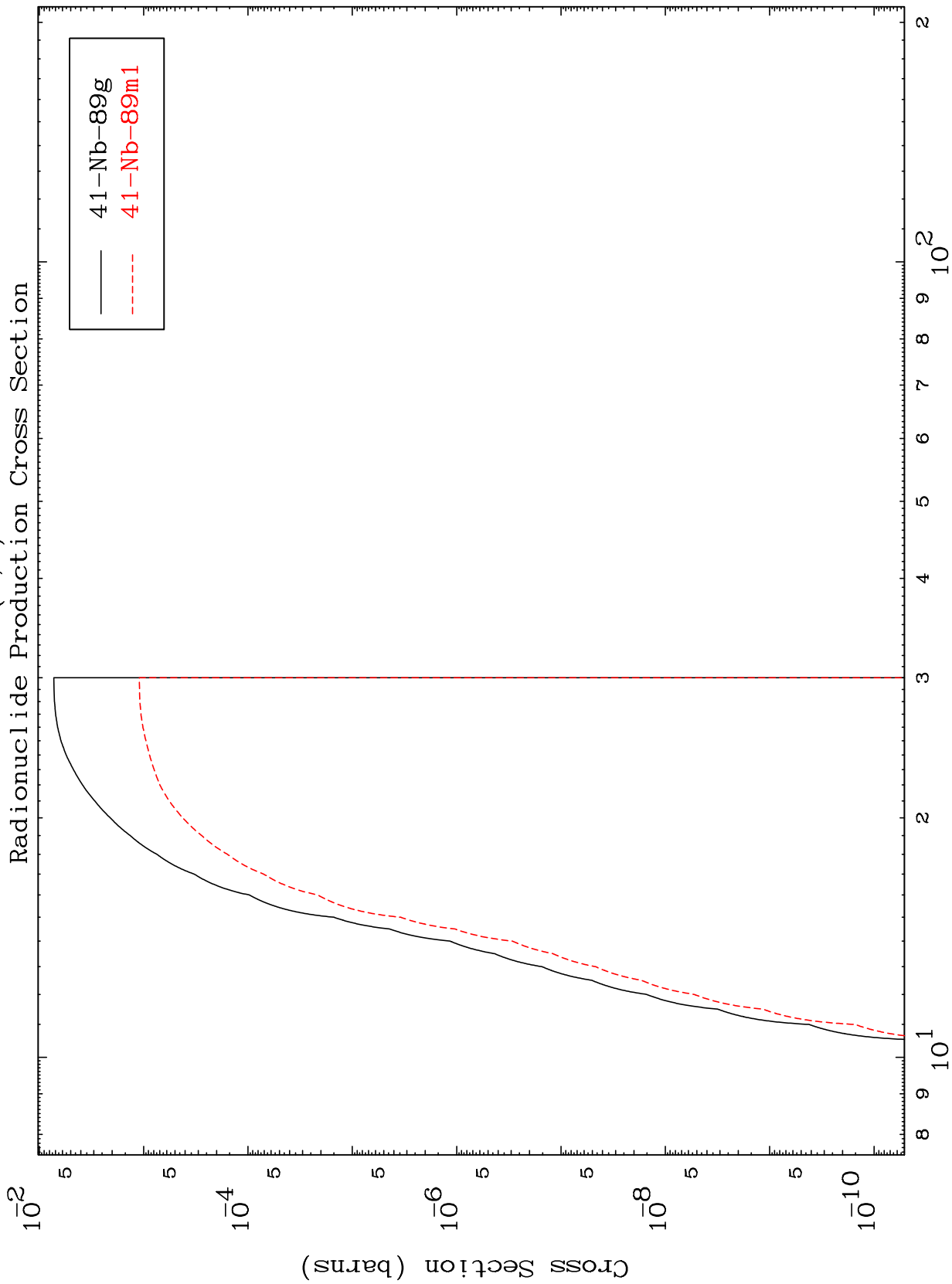
Incident Energy (MeV)

42-Mo-91m

MAT 4223

42-Mo-91m

(n,t)  
Radionuclide Production Cross Section



42-Mo-91m

Incident Energy (MeV)

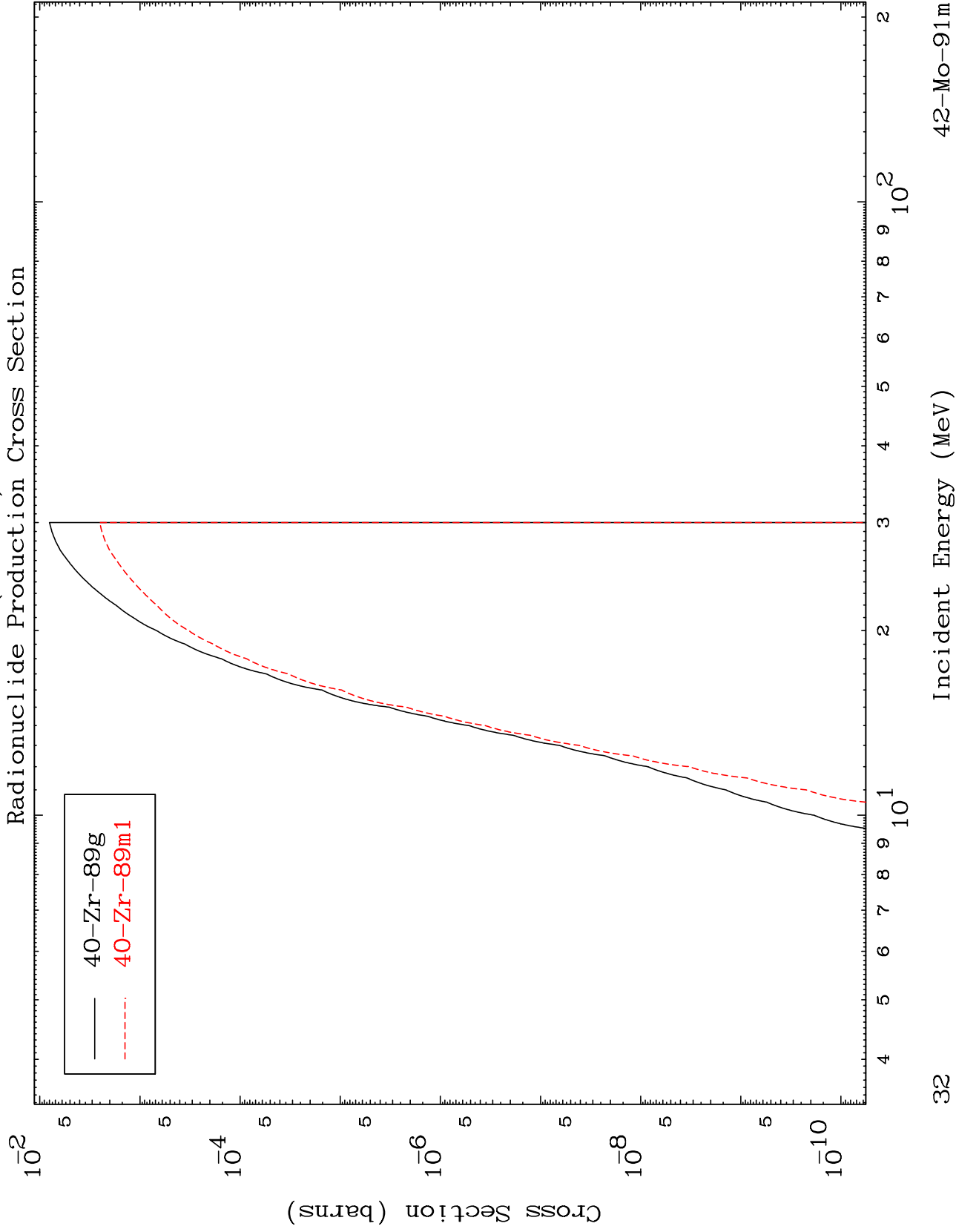
31



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(n,He-3)

42-Mo-91m

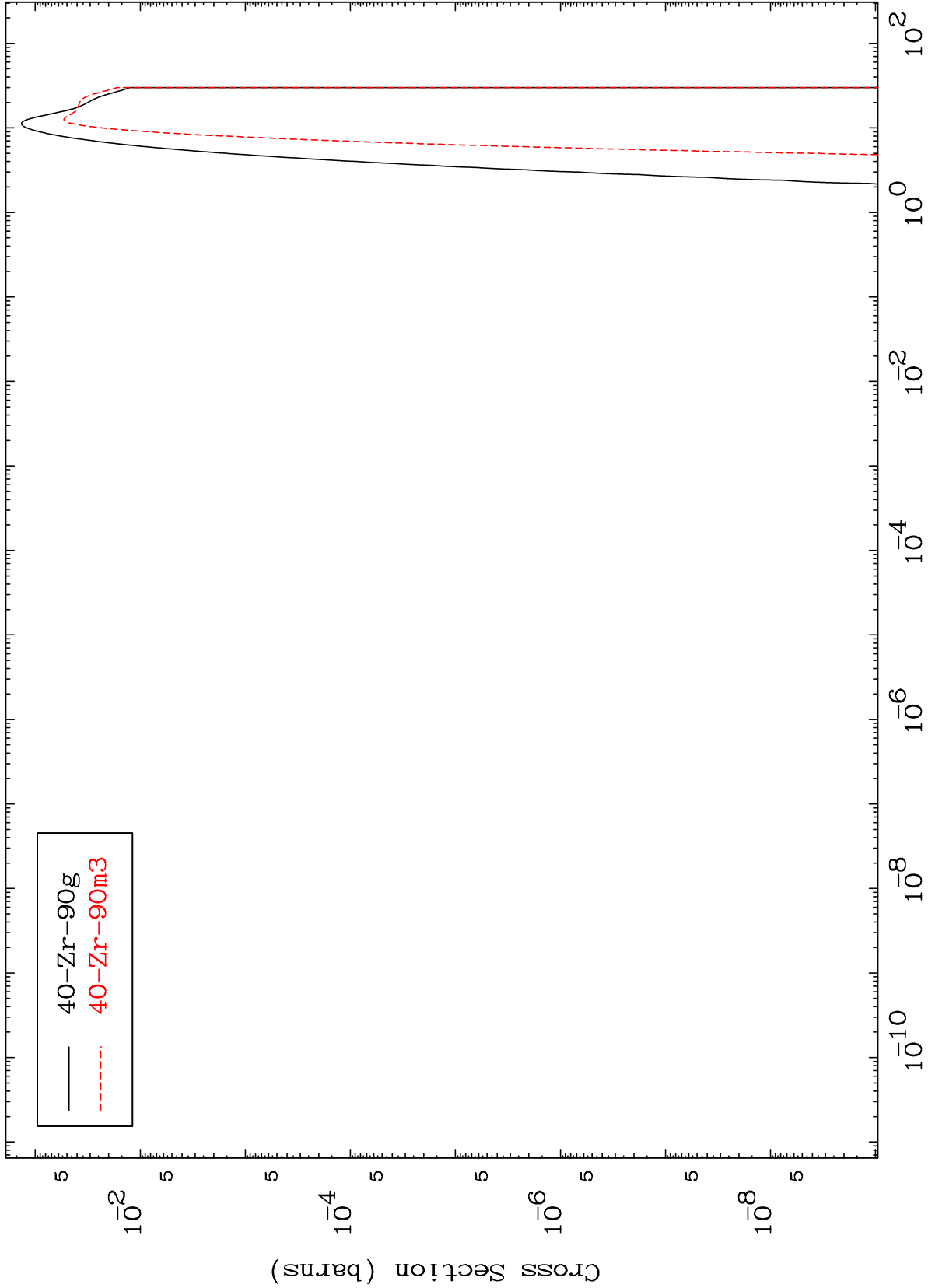


MAT 4223

(n,2p)

42-Mo-91m

Radionuclide Production Cross Section

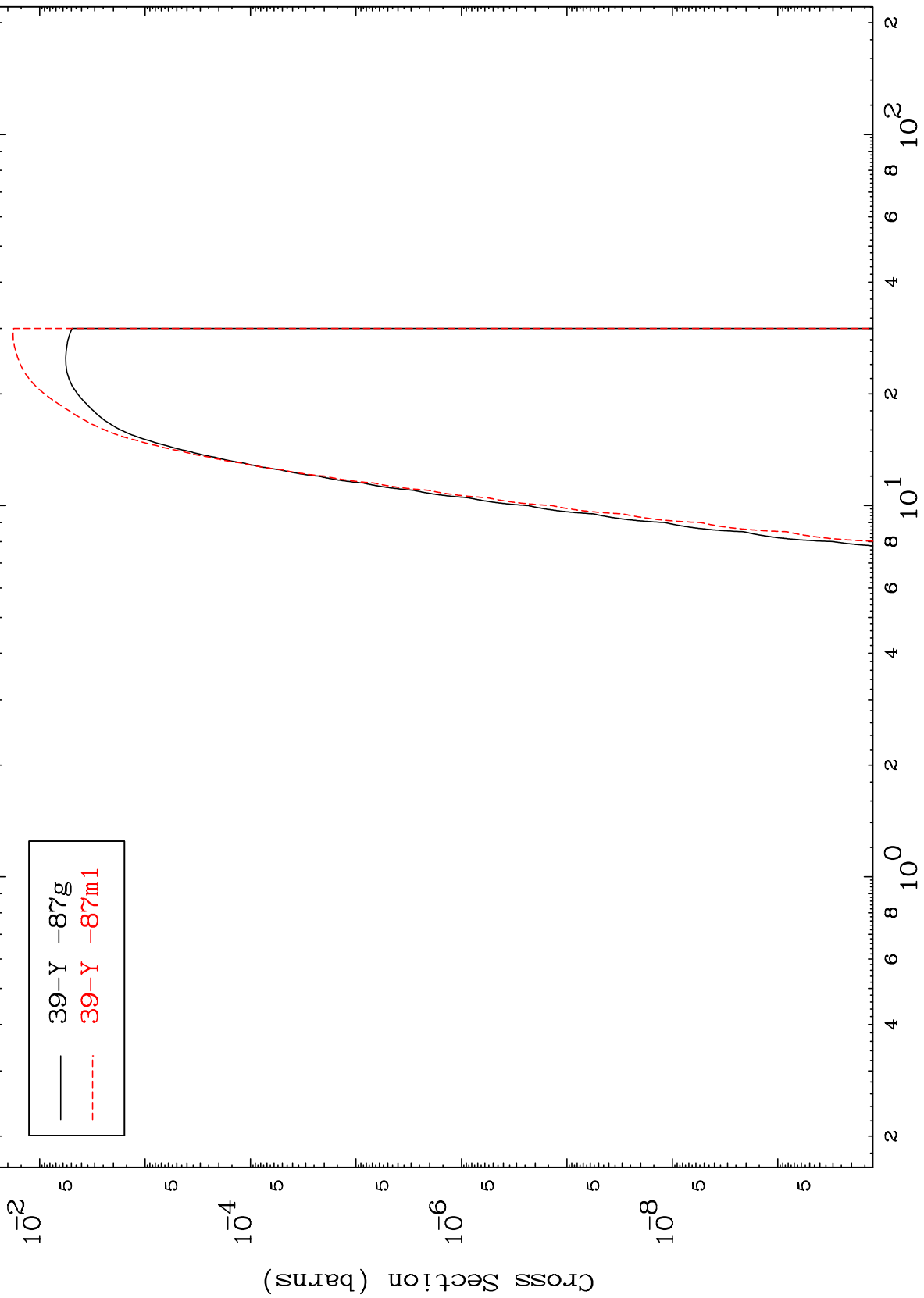


MAT 4223

(n,p)  $\alpha$

42-Mo-91m

Radionuclide Production Cross Section



34

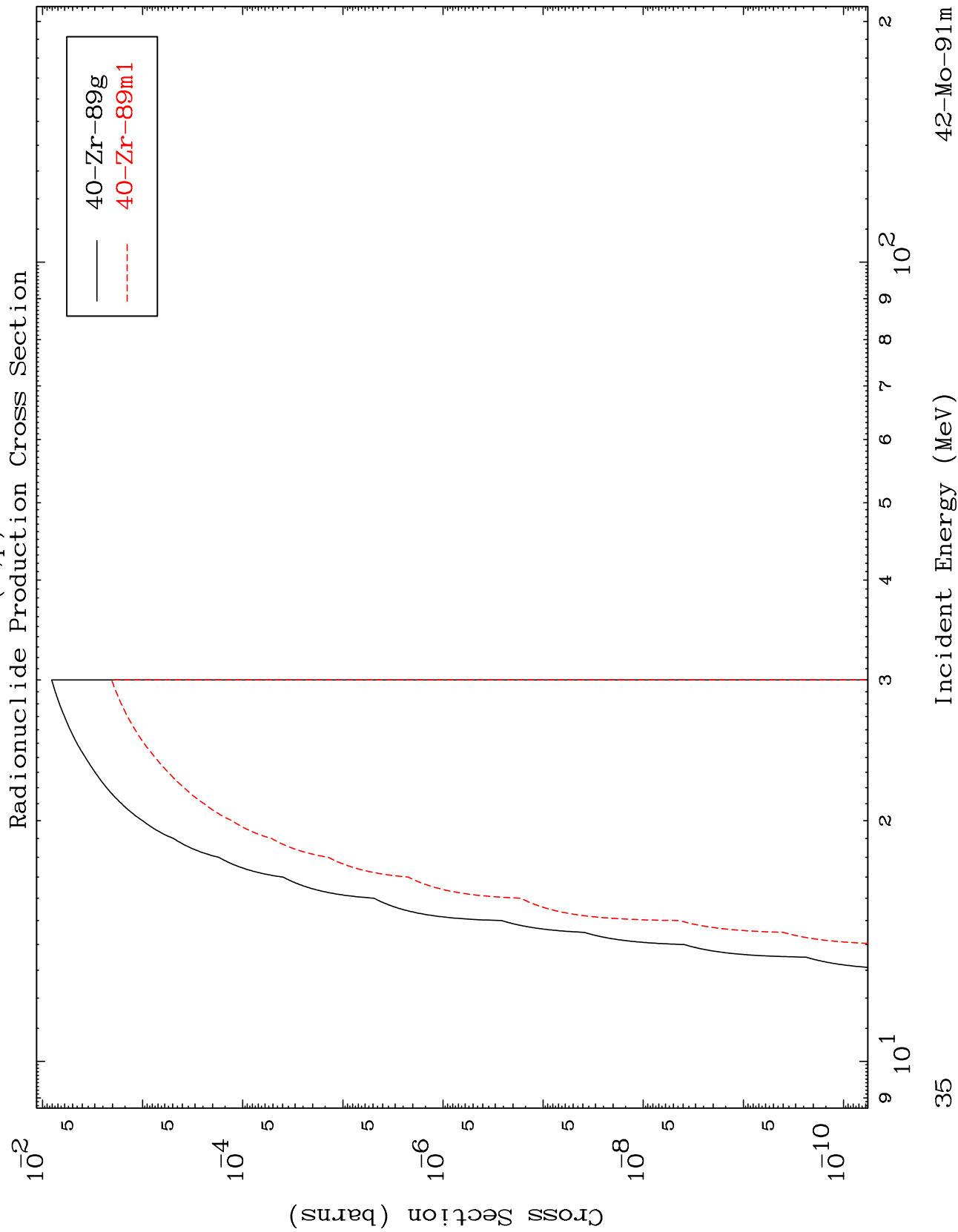
Incident Energy (MeV)

42-Mo-91m

MAT 4223

(n,p) d

42-Mo-91m



35

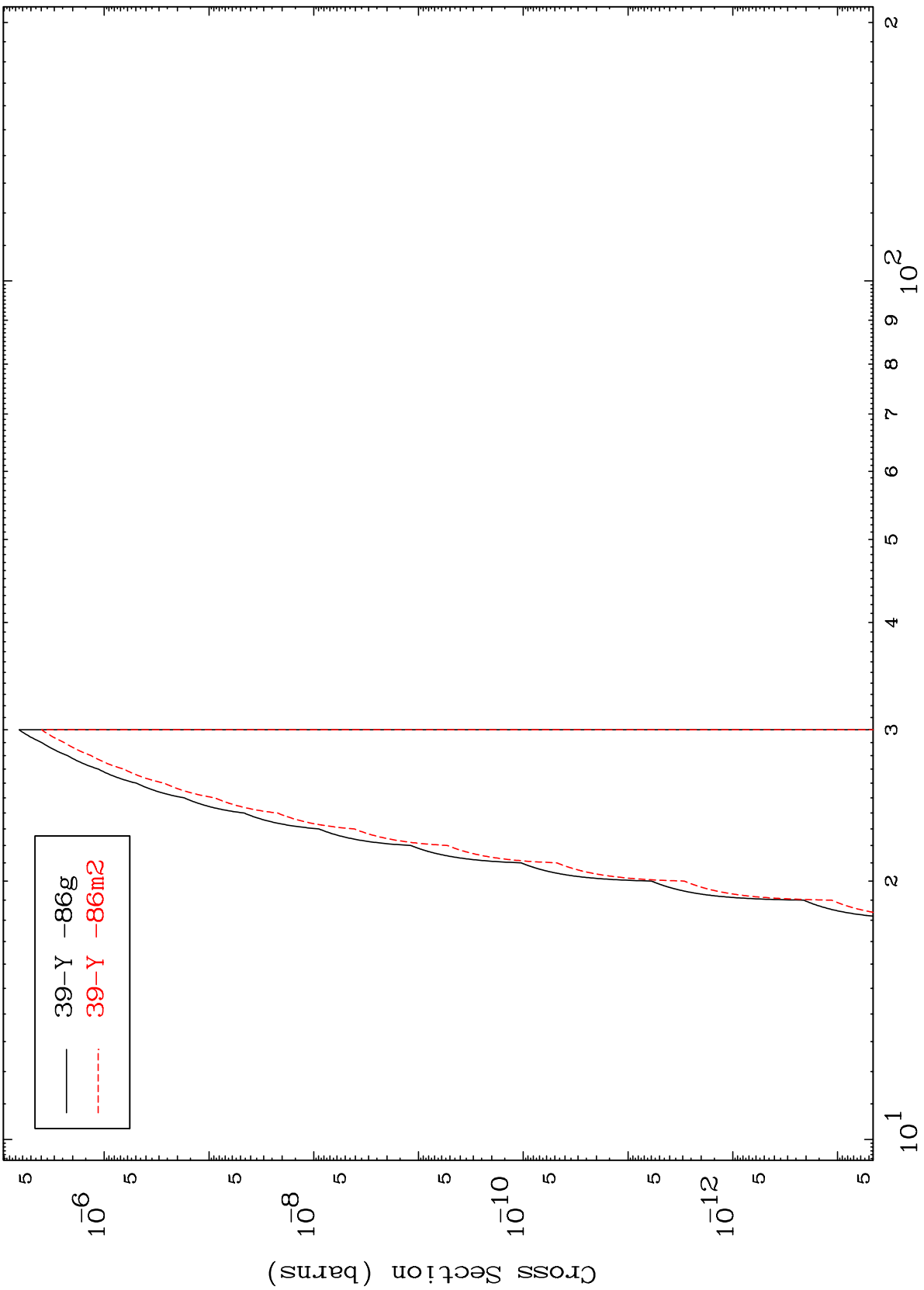
42-Mo-91m

MAT 4223

(n,d)  $\alpha$

42-Mo-91m

Radionuclide Production Cross Section



36

Incident Energy (MeV)

42-Mo-91m