

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)

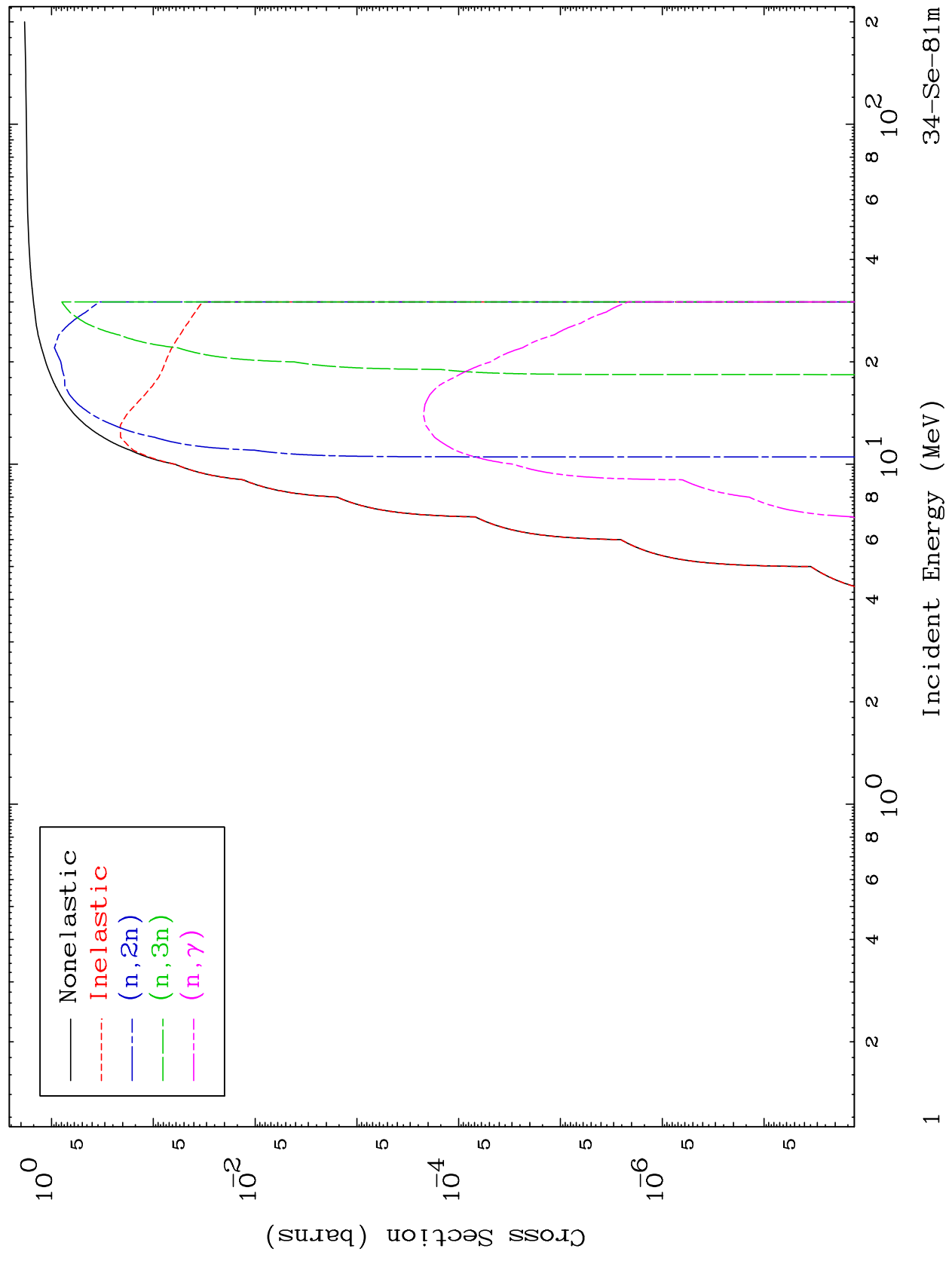
Press Mouse Button to Start

MAT 3447

0 Kelvin

$\alpha$  Major Cross Sections

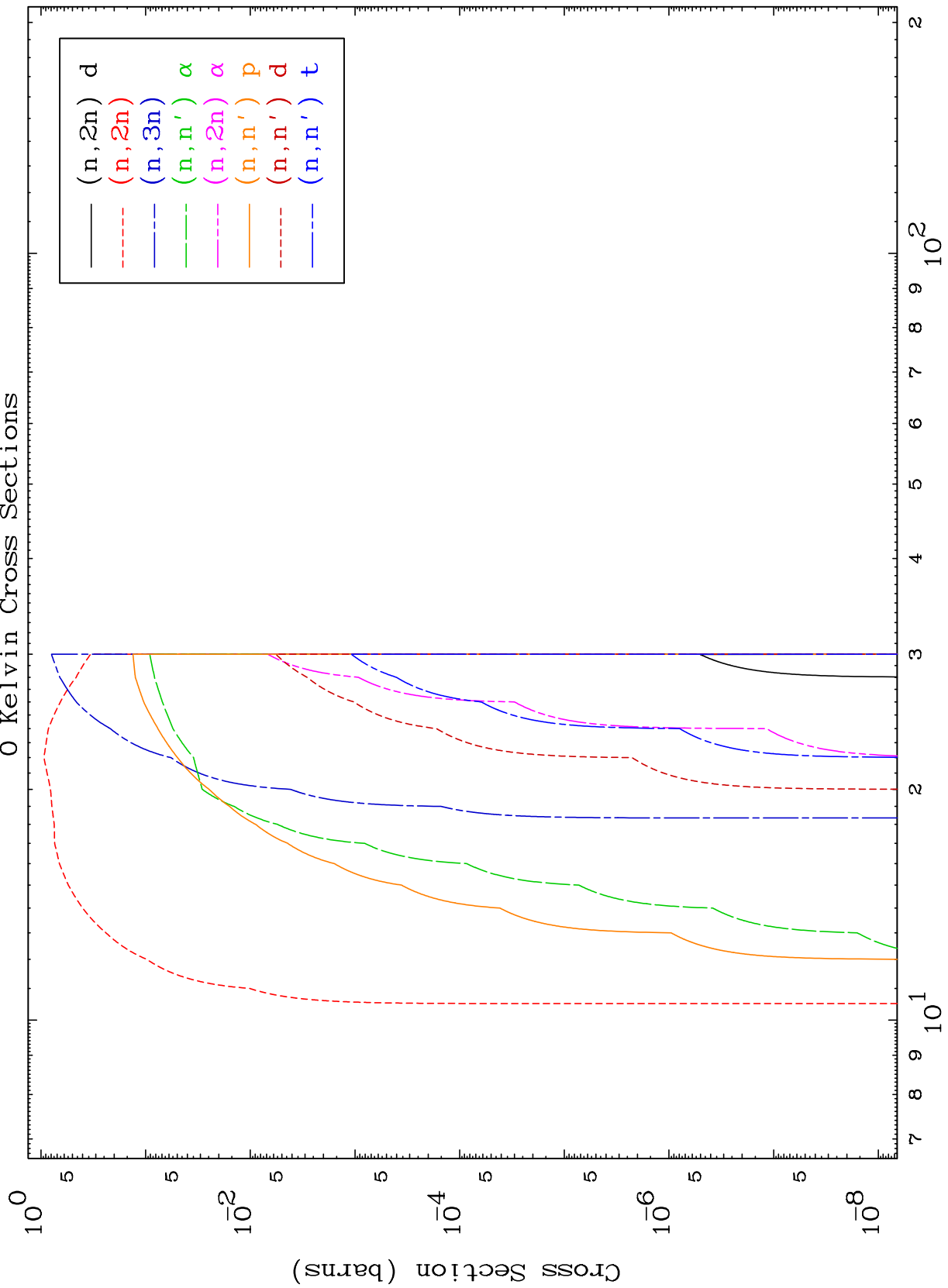
34-Se-81m



MAT 3447

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

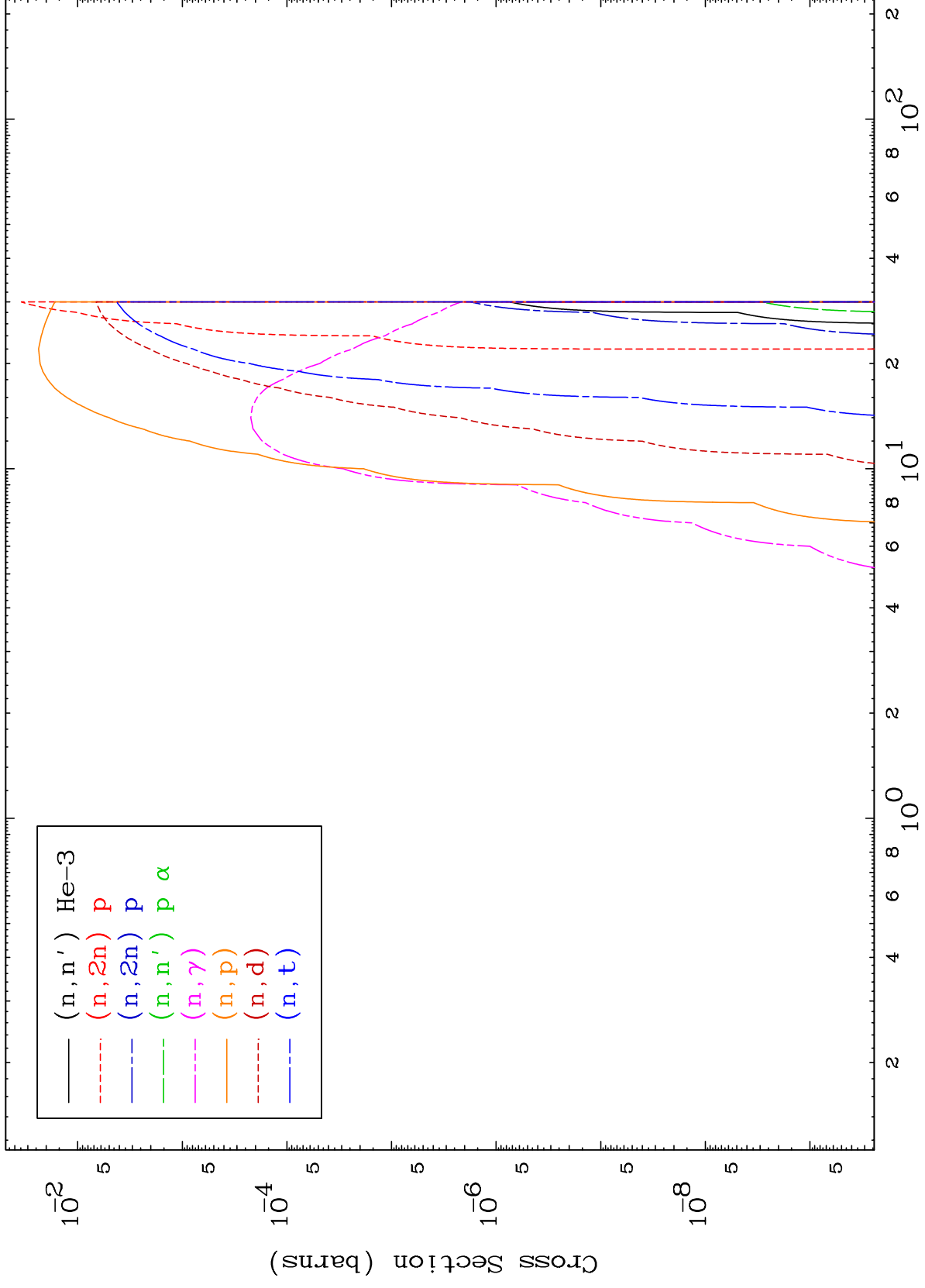
34-Se-81m



2

Incident Energy (MeV)

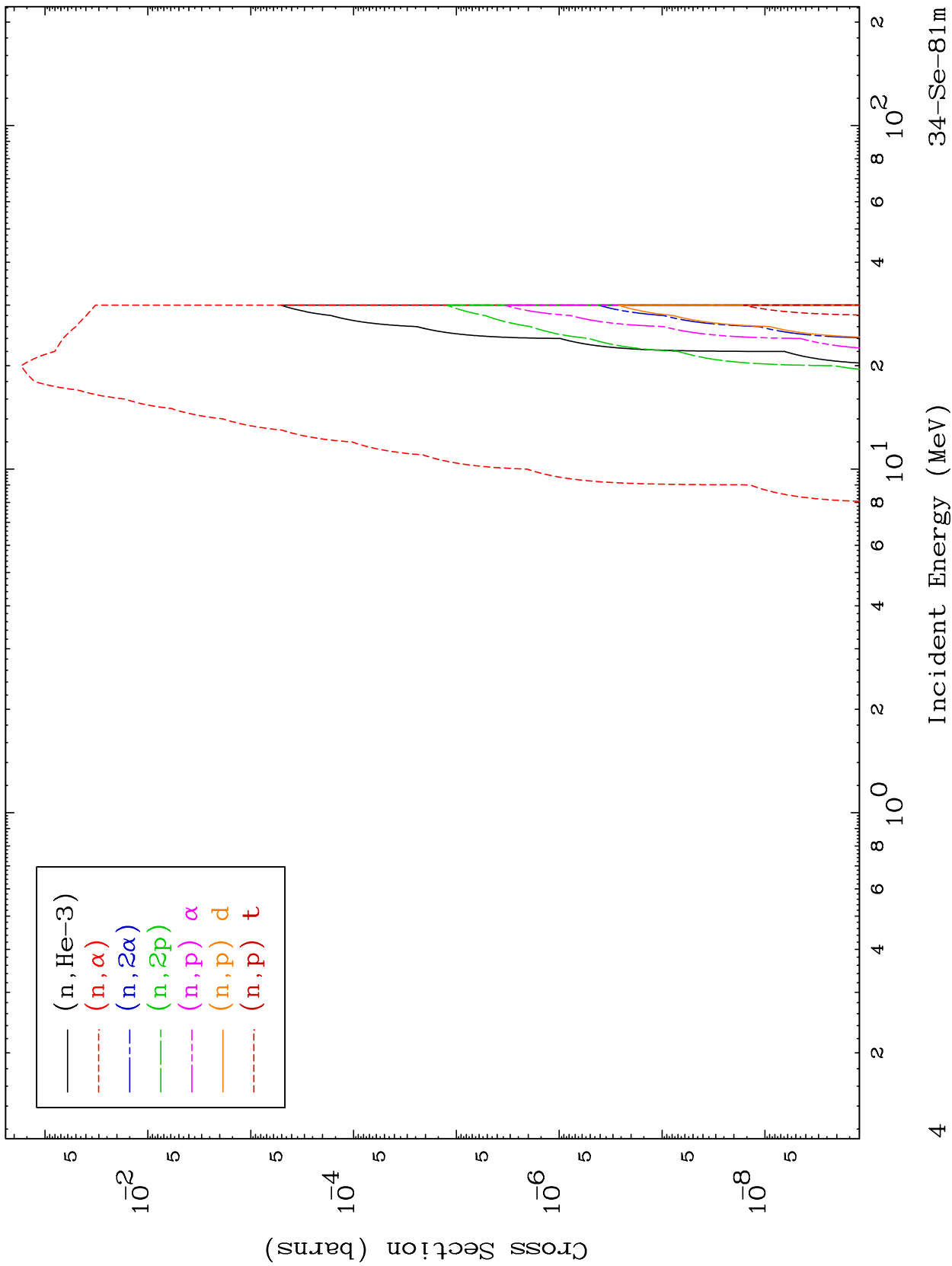
34-Se-81m

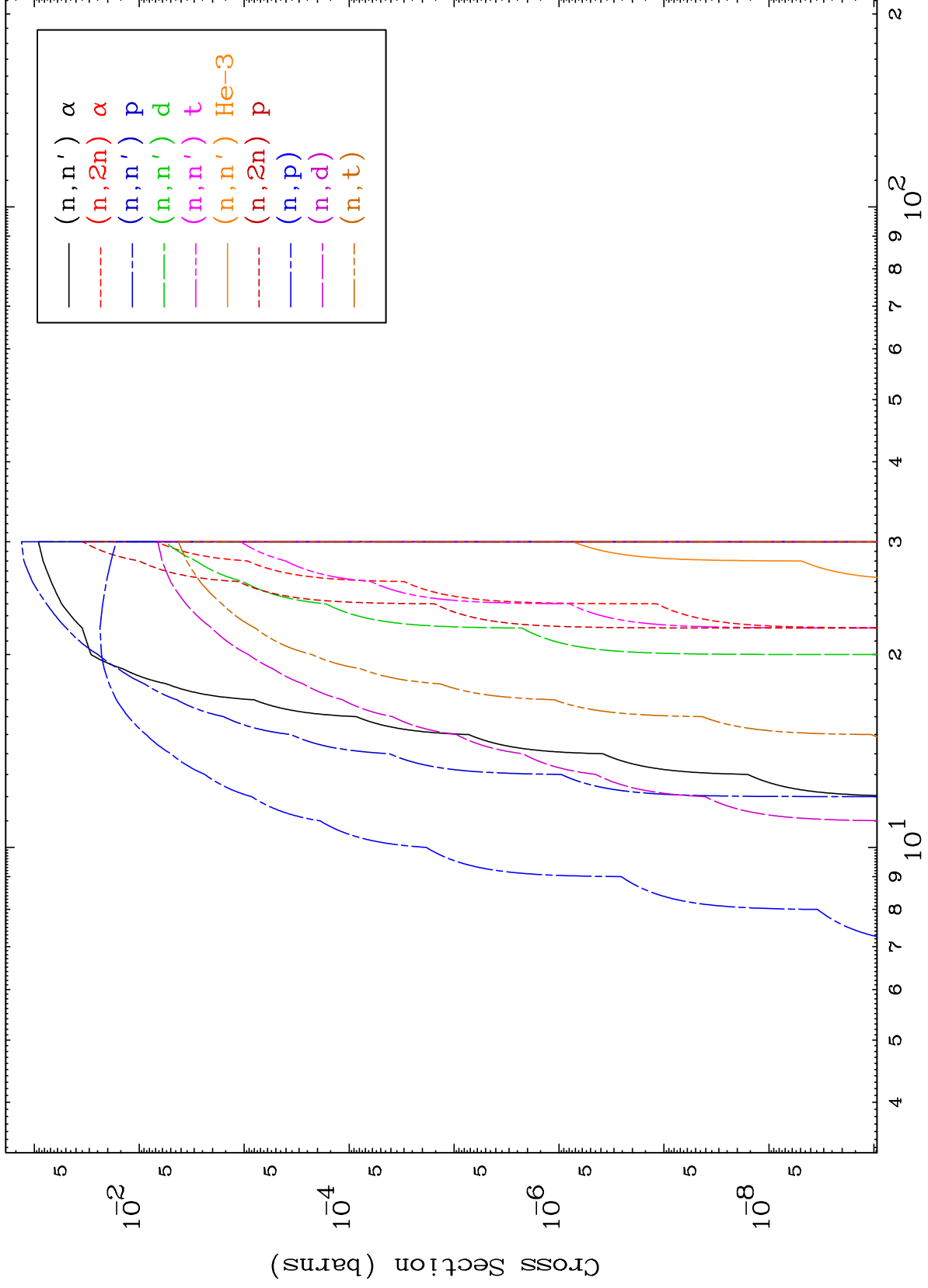


MAT 3447

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

34-Se-81m

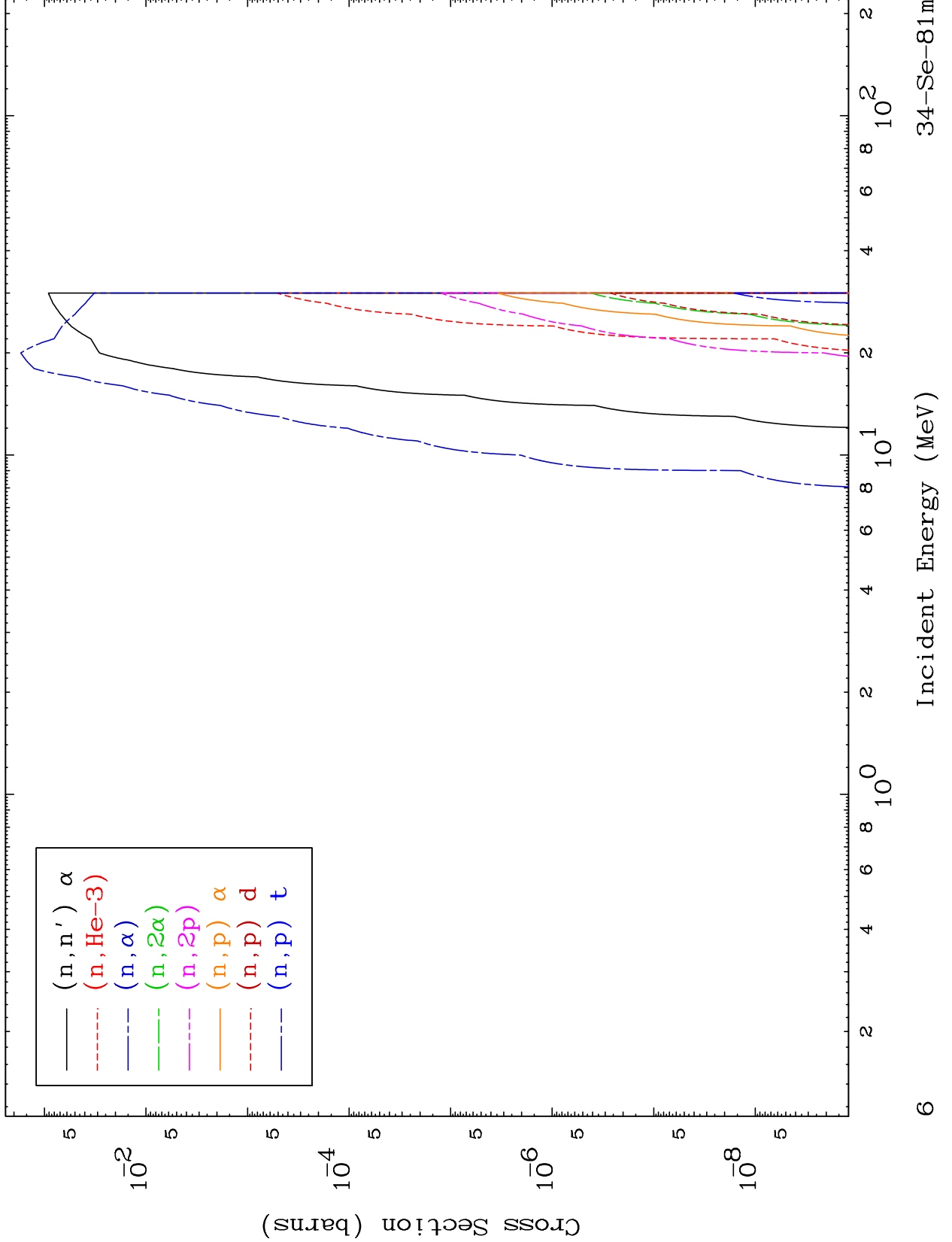




MAT 3447

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

<sup>34</sup>Se-81m

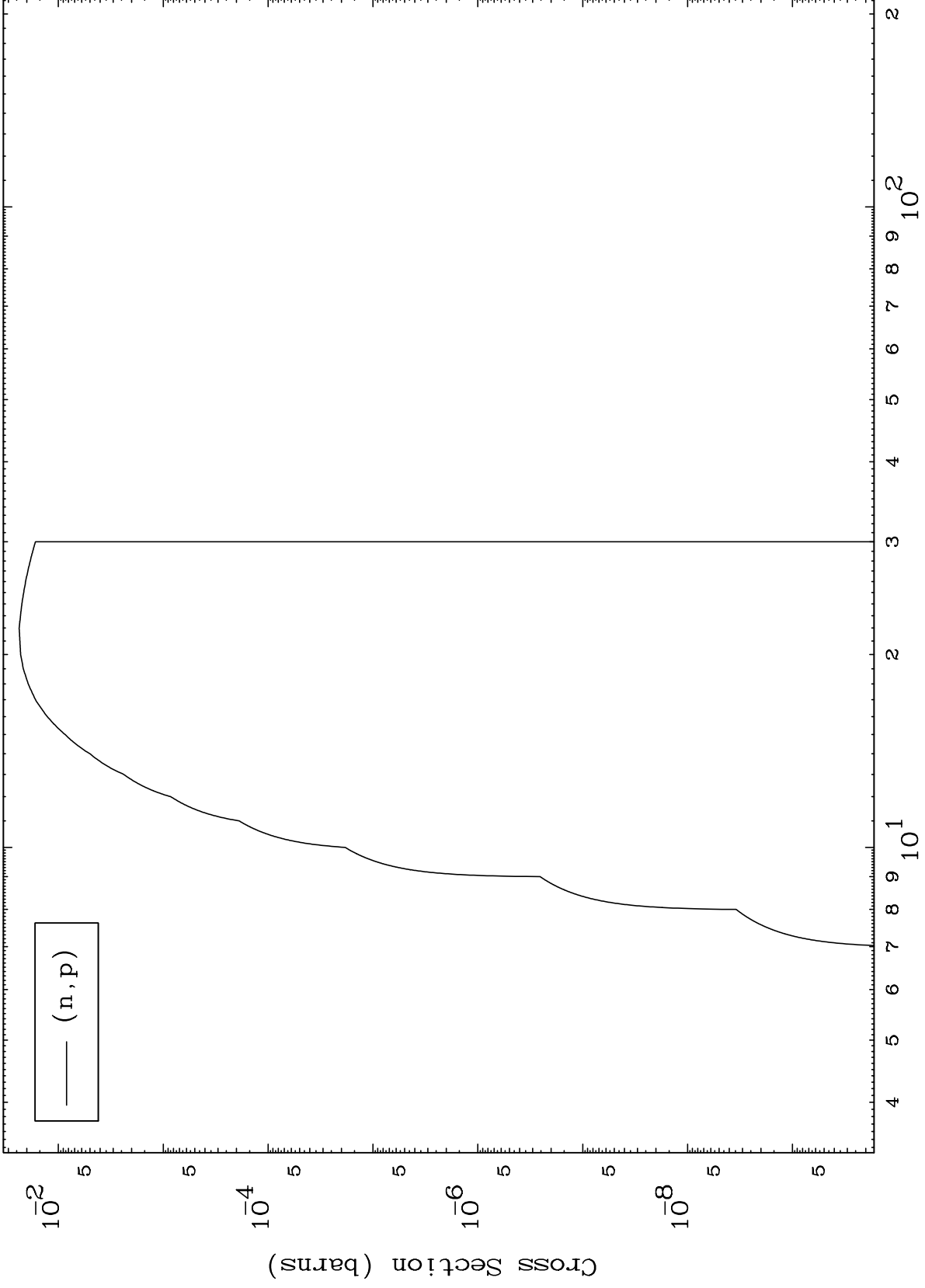


MAT 3447

( $\alpha, p$ ) Levels

34-Se-81m

0 Kelvin Cross Sections



7

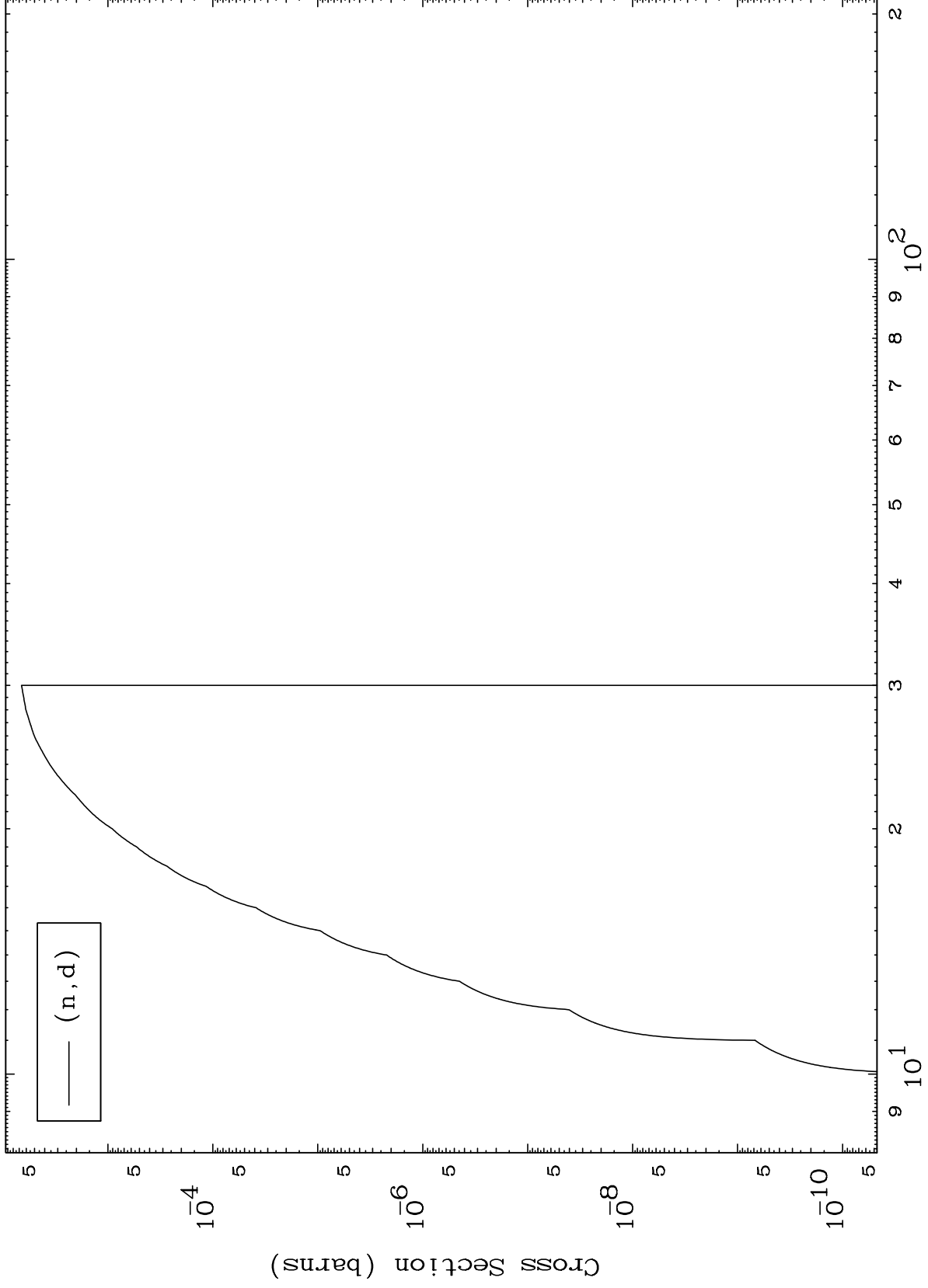
Incident Energy (MeV)

34-Se-81m

MAT 3447

( $\alpha, d$ ) Levels  
0 Kelvin Cross Sections

<sup>34</sup>Se-81m



8

Incident Energy (MeV)

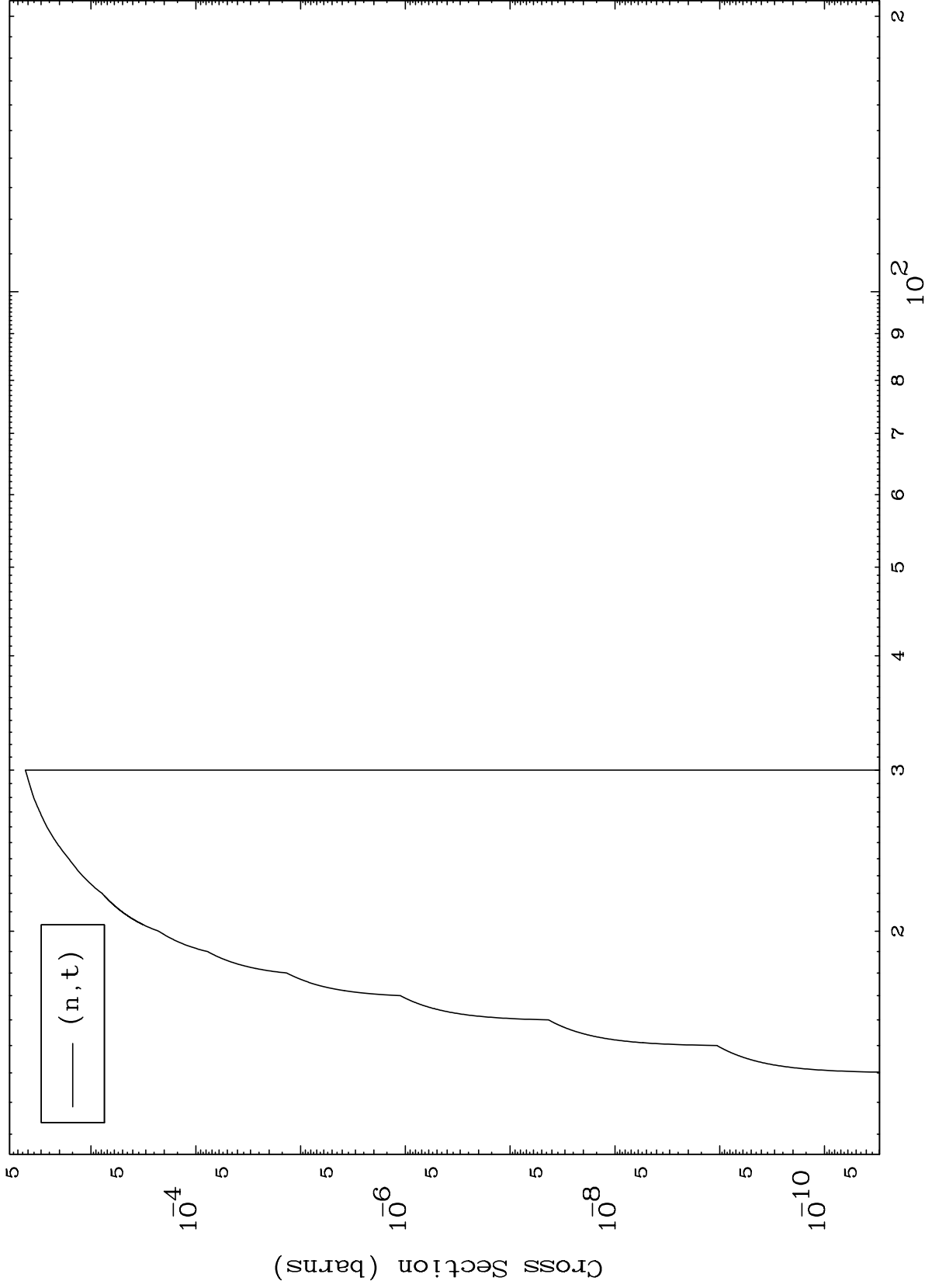
<sup>34</sup>Se-81m

MAT 3447

( $\alpha, t$ ) Levels

<sup>34</sup>Se-81m

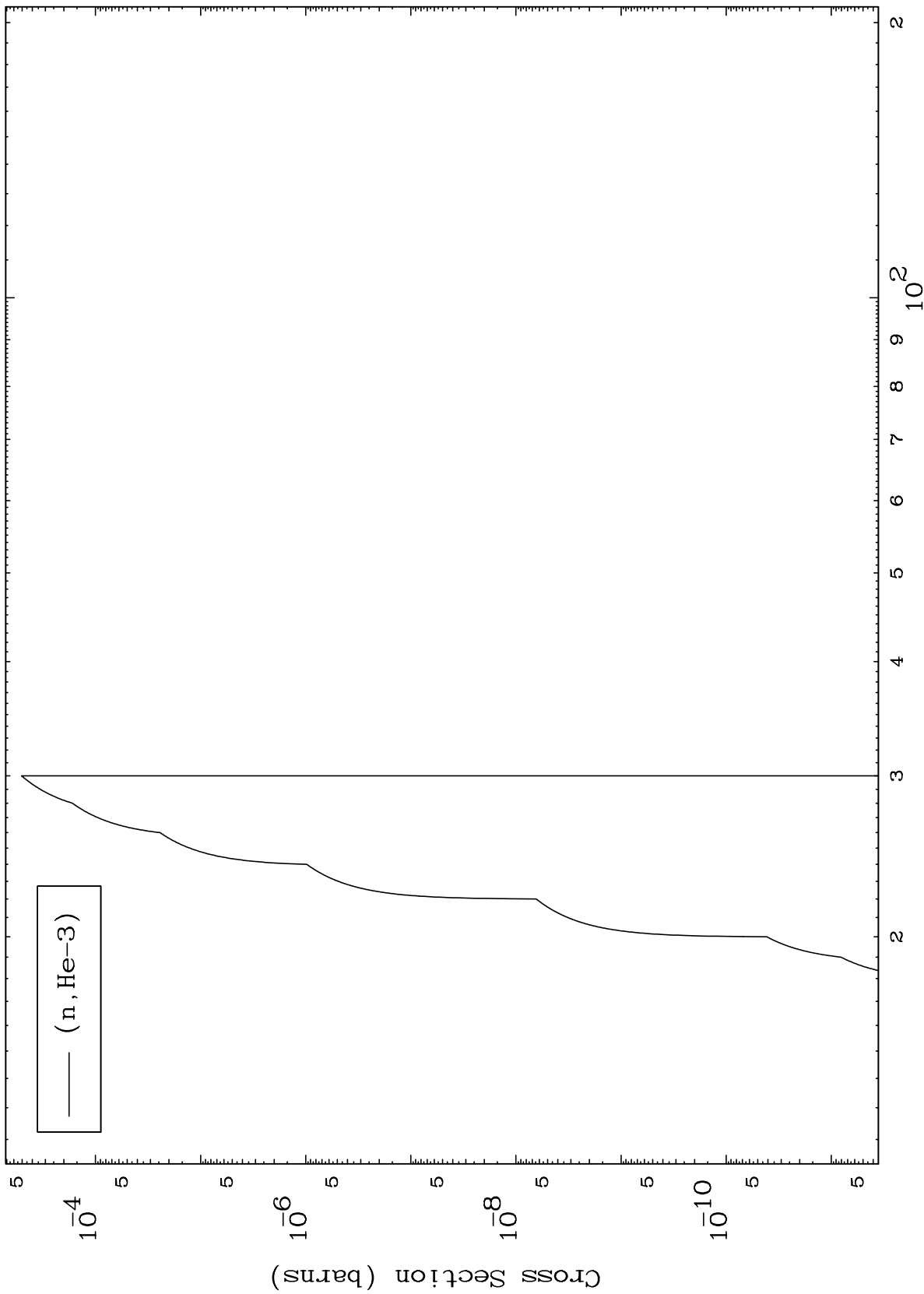
0 Kelvin Cross Sections



MAT 3447

34-Se-81m

( $\alpha, \text{He3}$ ) Levels  
0 Kelvin Cross Sections



10

Incident Energy (MeV)

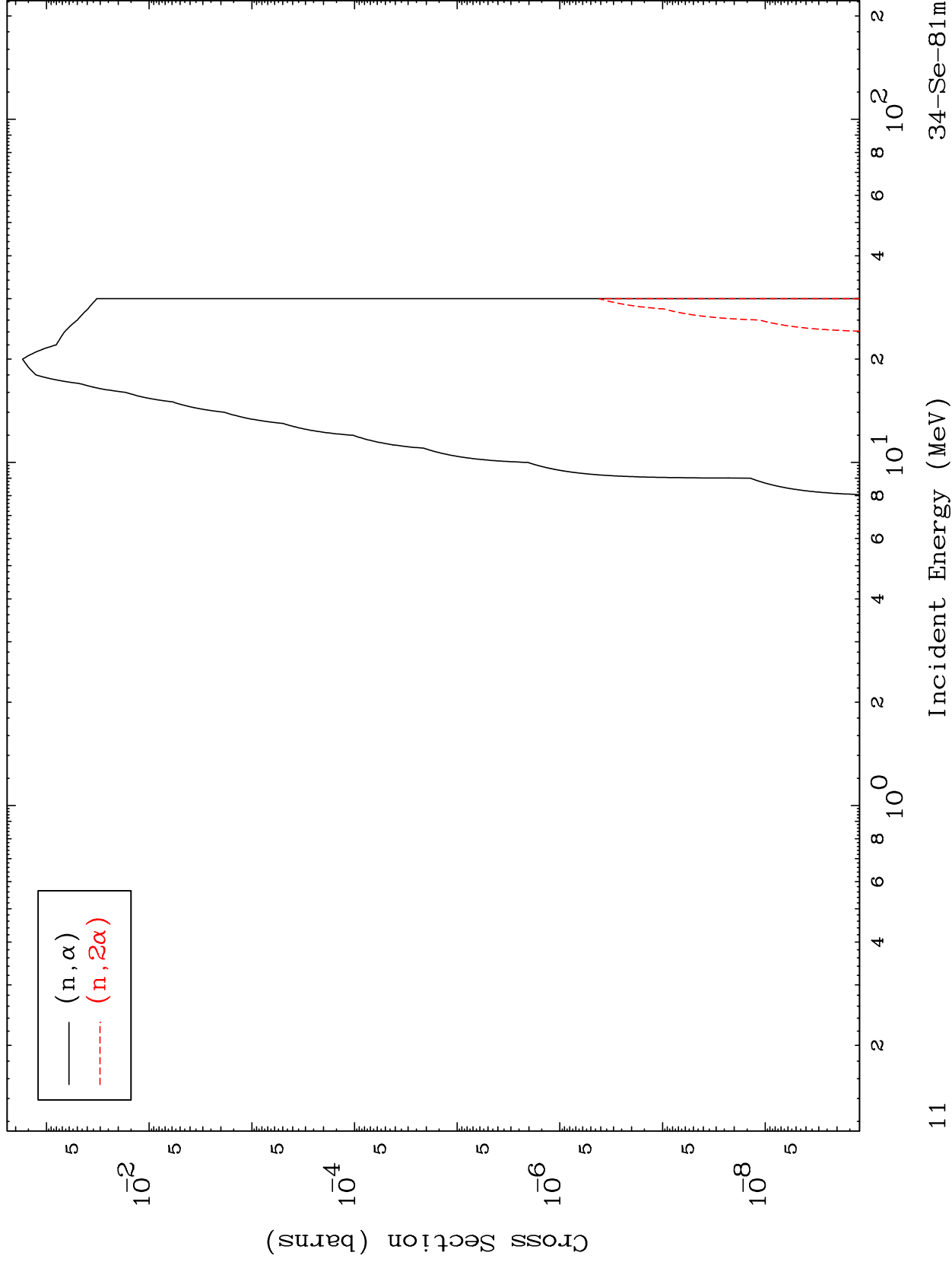
34-Se-81m

MAT 3447

( $\alpha, \alpha$ ) Levels

34-Se-81m

0 Kelvin Cross Sections

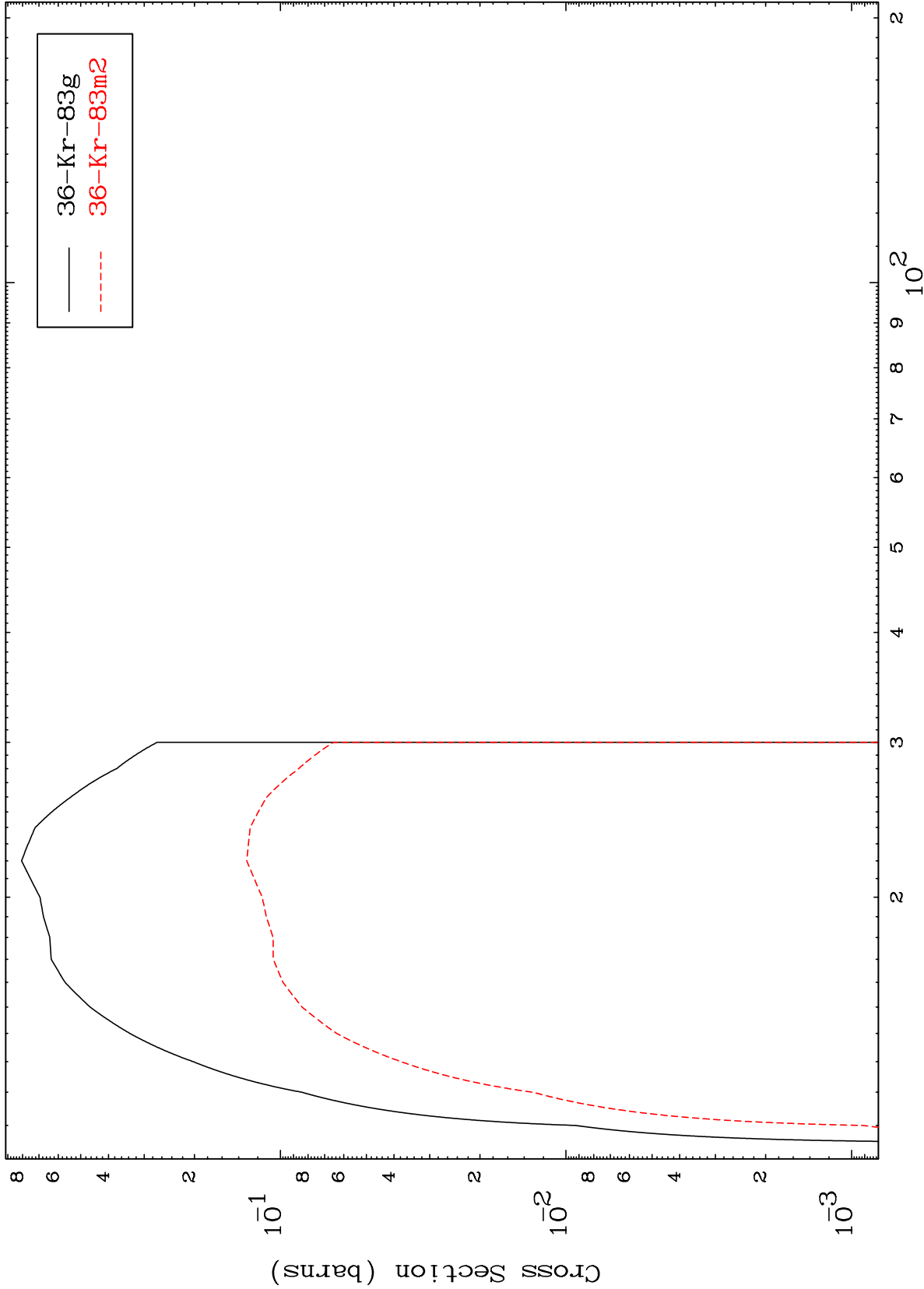


MAT 3447

(n,2n)

34-Se-81m

Radionuclide Production Cross Section



36-Kr-83g  
36-Kr-83m2

12

Incident Energy (MeV)

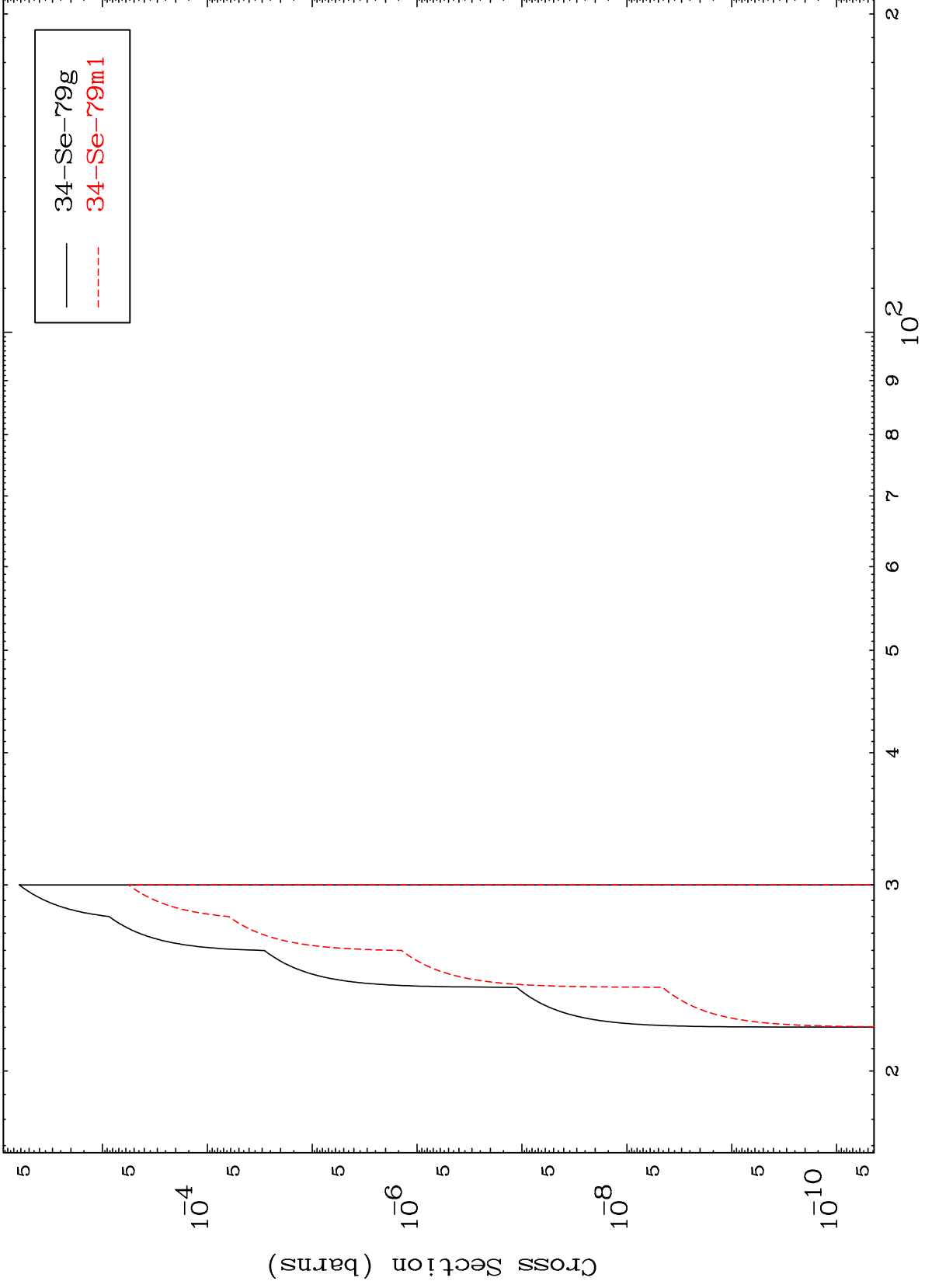
34-Se-81m

MAT 3447

$(n,2n) \alpha$

34-Se-81m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

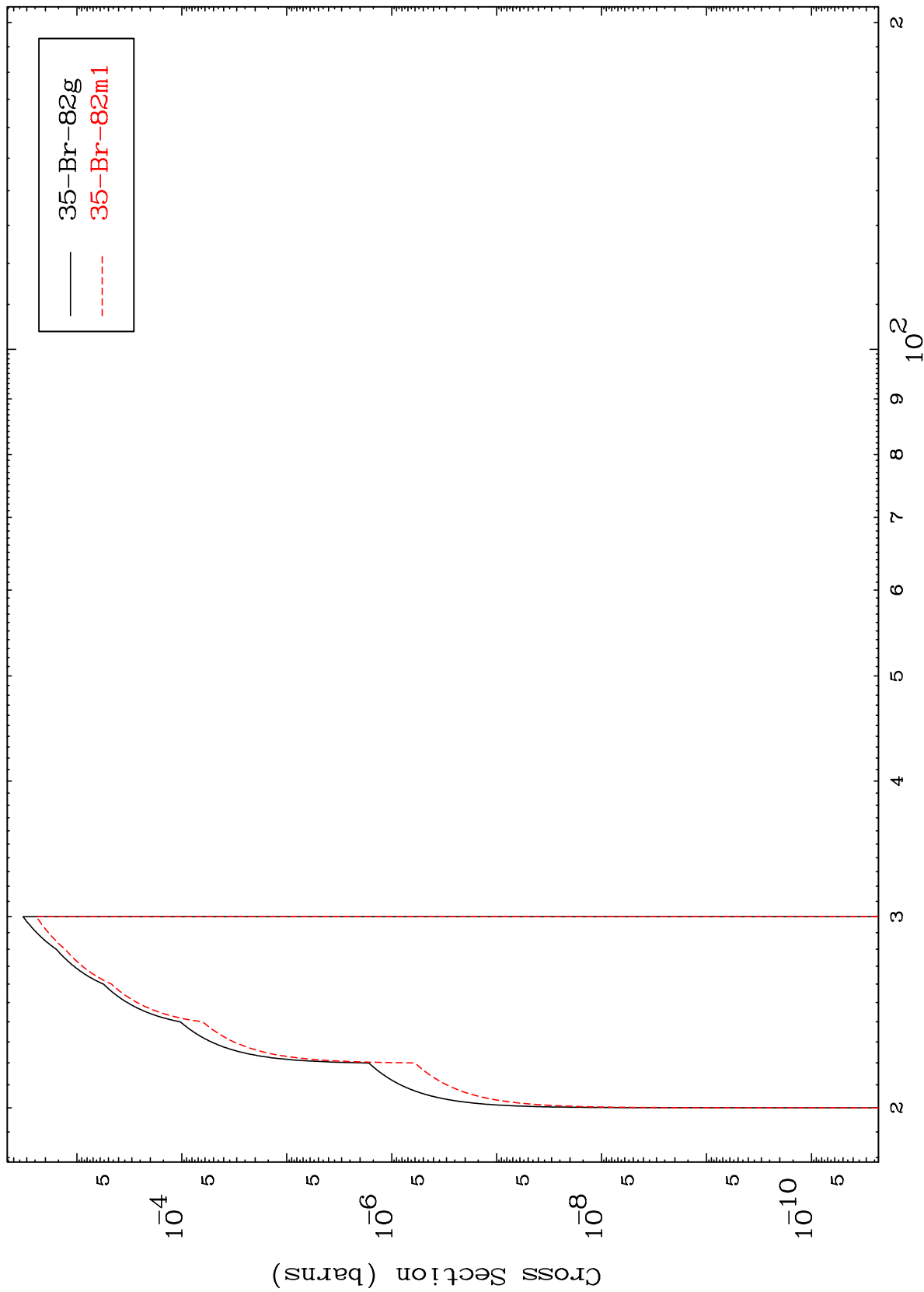
34-Se-81m

MAT 3447

$(n, n')$  d

<sup>34</sup>Se-81m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

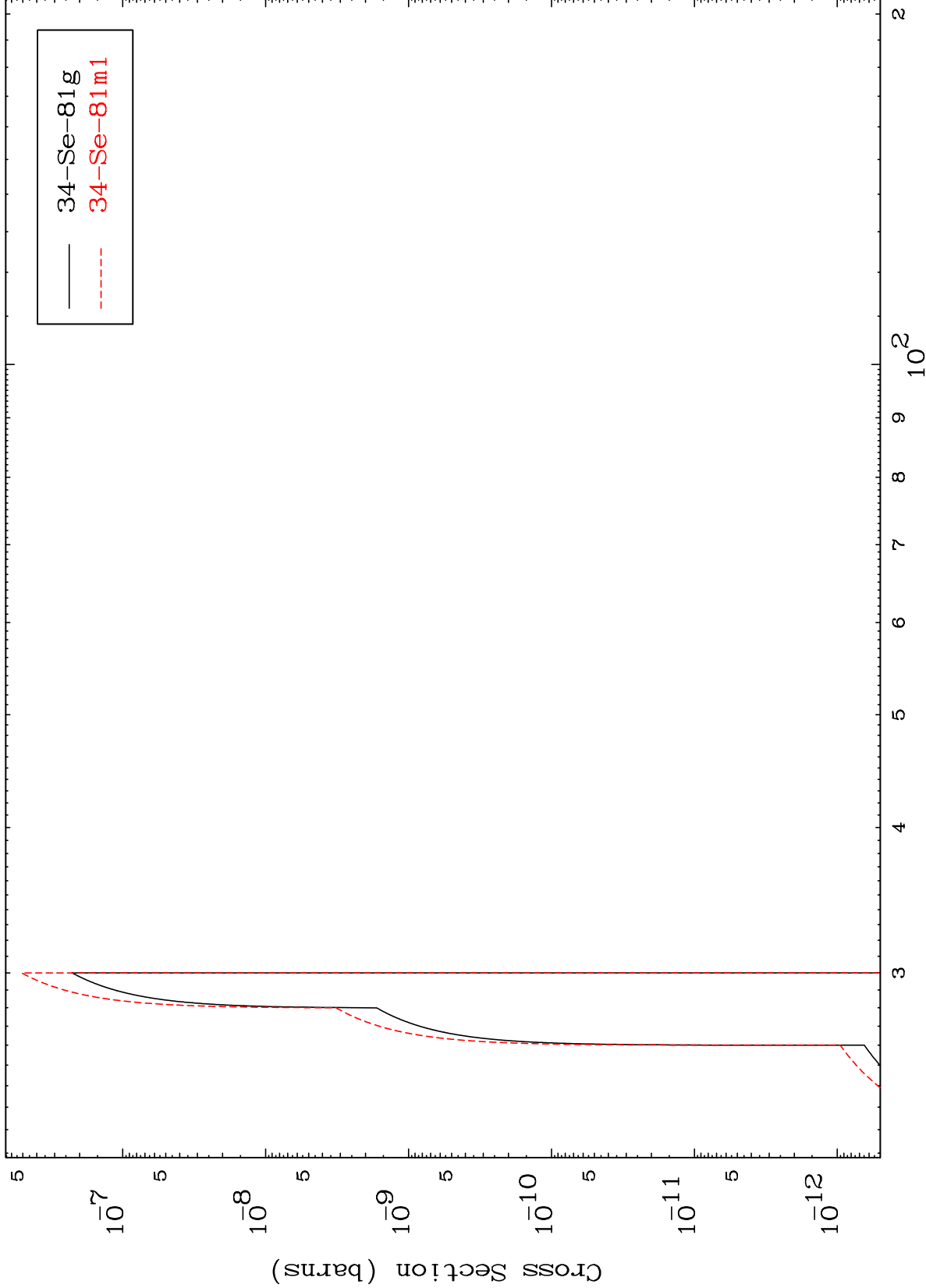
<sup>34</sup>Se-81m

MAT 3447

(n,n') He-3

34-Se-81m

Radionuclide Production Cross Section



34-Se-81g  
34-Se-81m1

15

Incident Energy (MeV)

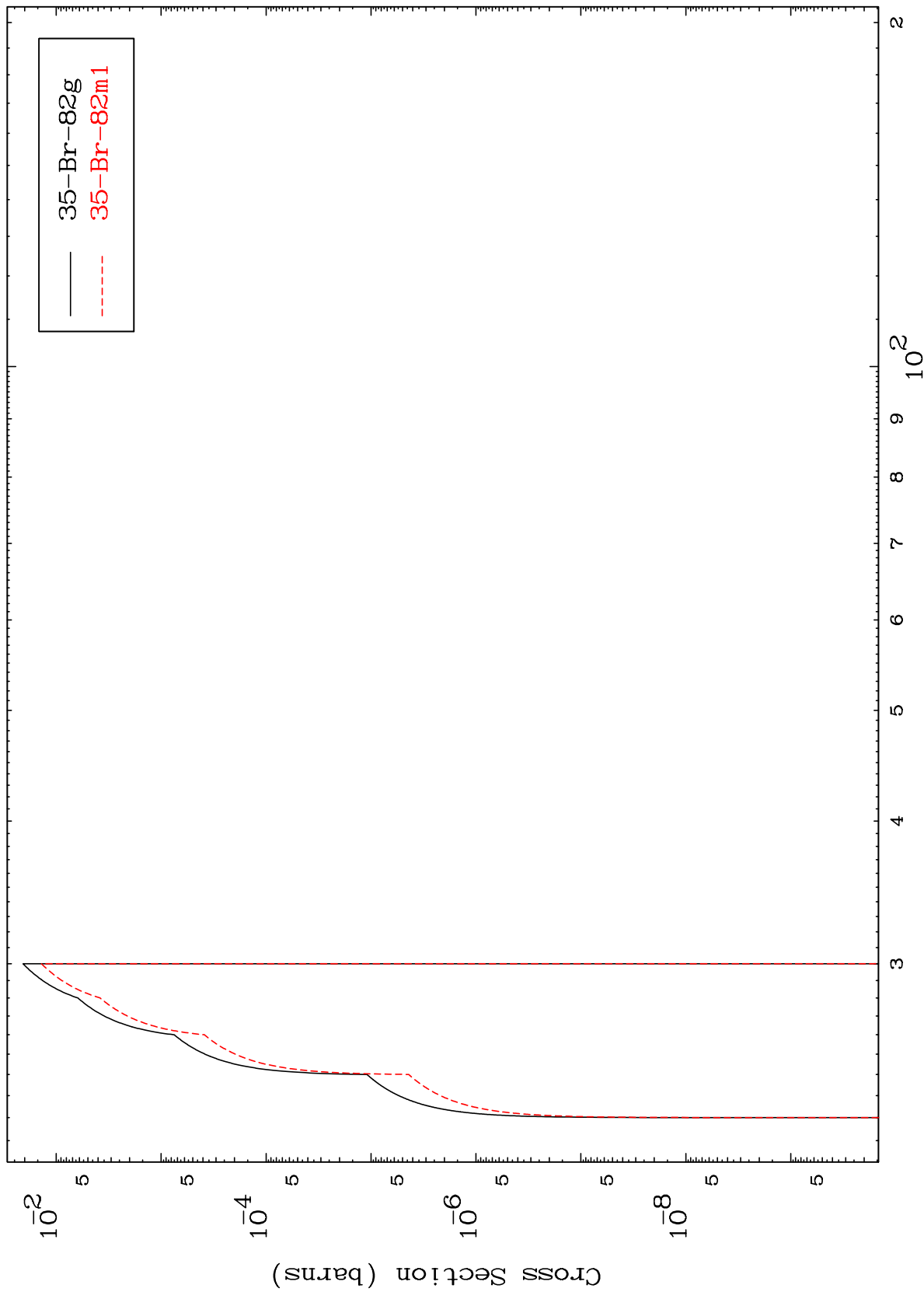
34-Se-81m

MAT 3447

<sup>34</sup>Se-81m

(n,2n) p

Radionuclide Production Cross Section



<sup>34</sup>Se-81m

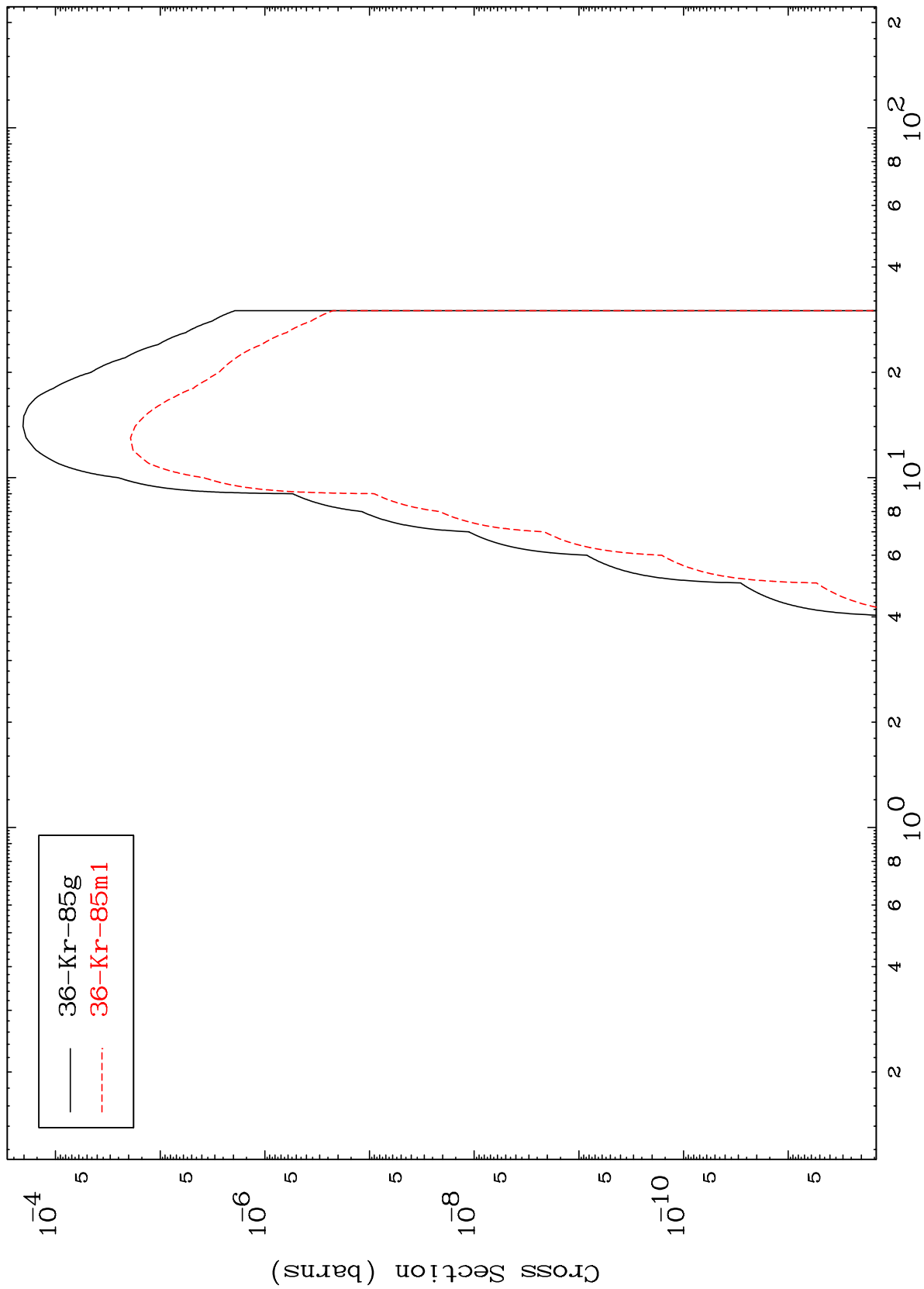
Incident Energy (MeV)

16

MAT 3447

<sup>34</sup>Se-81m

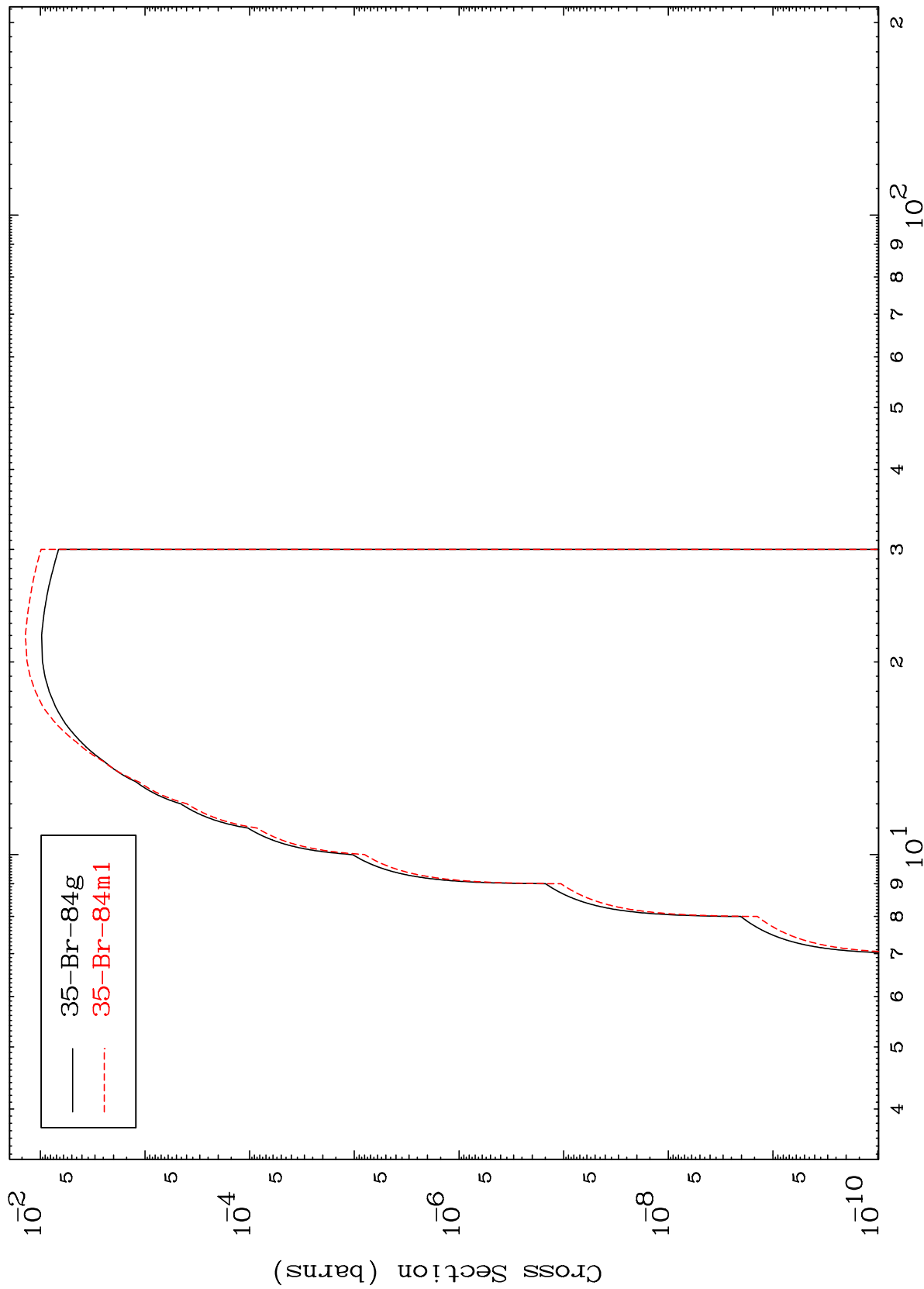
Radionuclide Production Cross Section



MAT 3447

<sup>34</sup>Se-81m

(n,p)  
Radionuclide Production Cross Section



18

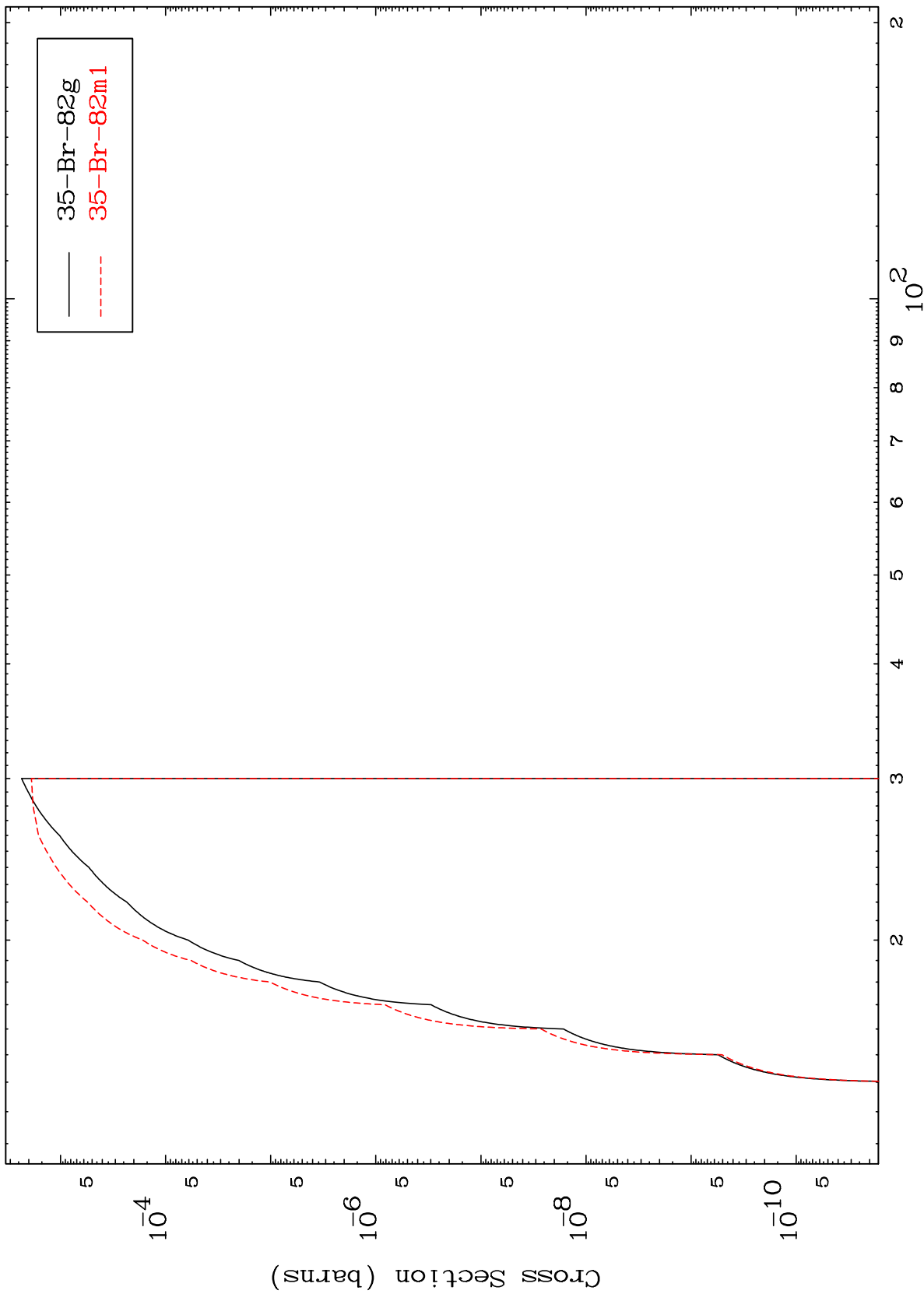
Incident Energy (MeV)

<sup>34</sup>Se-81m

MAT 3447

34-Se-81m

(n,t)  
Radionuclide Production Cross Section



19

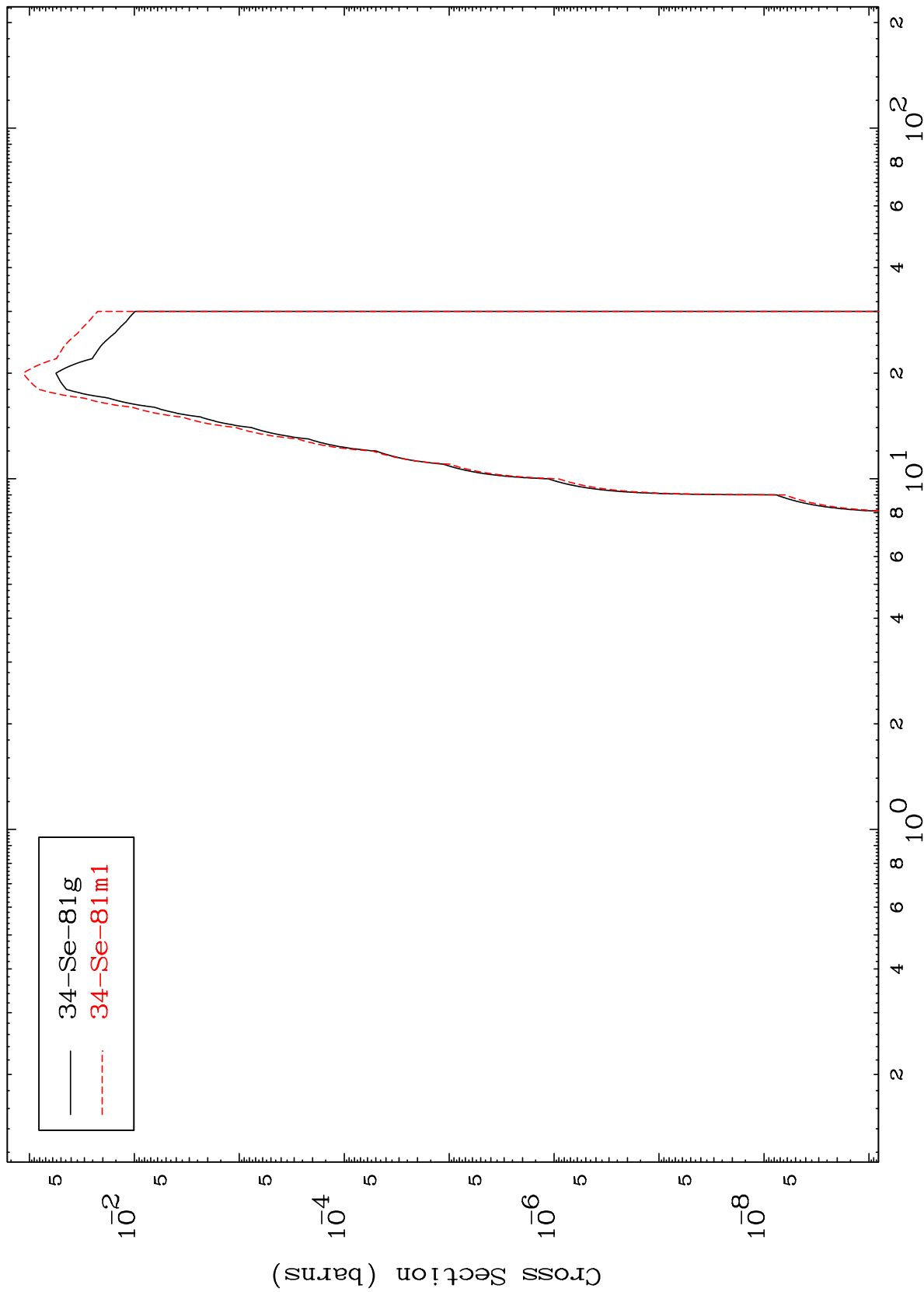
Incident Energy (MeV)

34-Se-81m

MAT 3447

<sup>34</sup>Se-81m

Radionuclide Production Cross Section



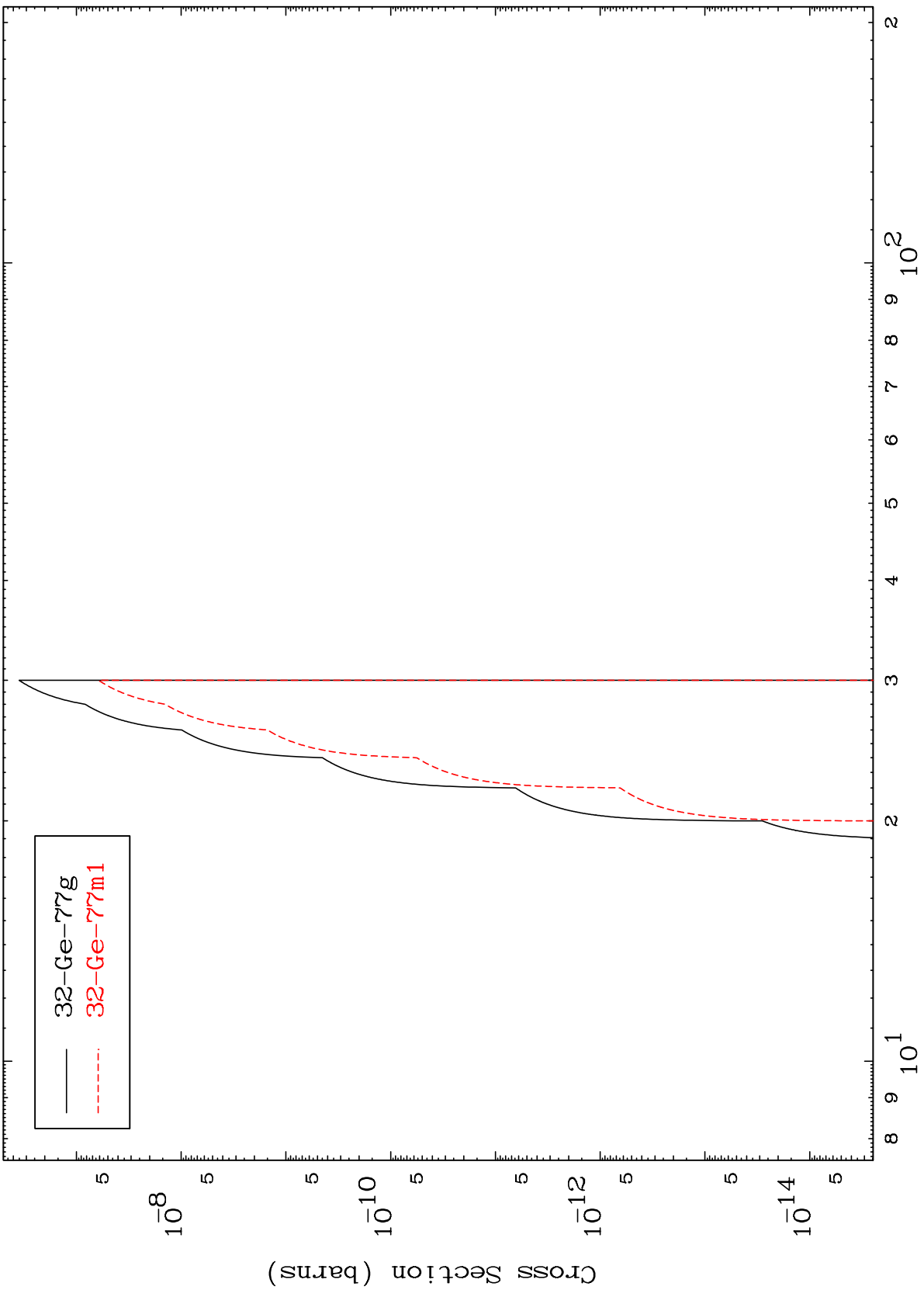
20

<sup>34</sup>Se-81m

MAT 3447

<sup>34</sup>Se-81m

Radionuclide Production Cross Section  
(n,2α)



21

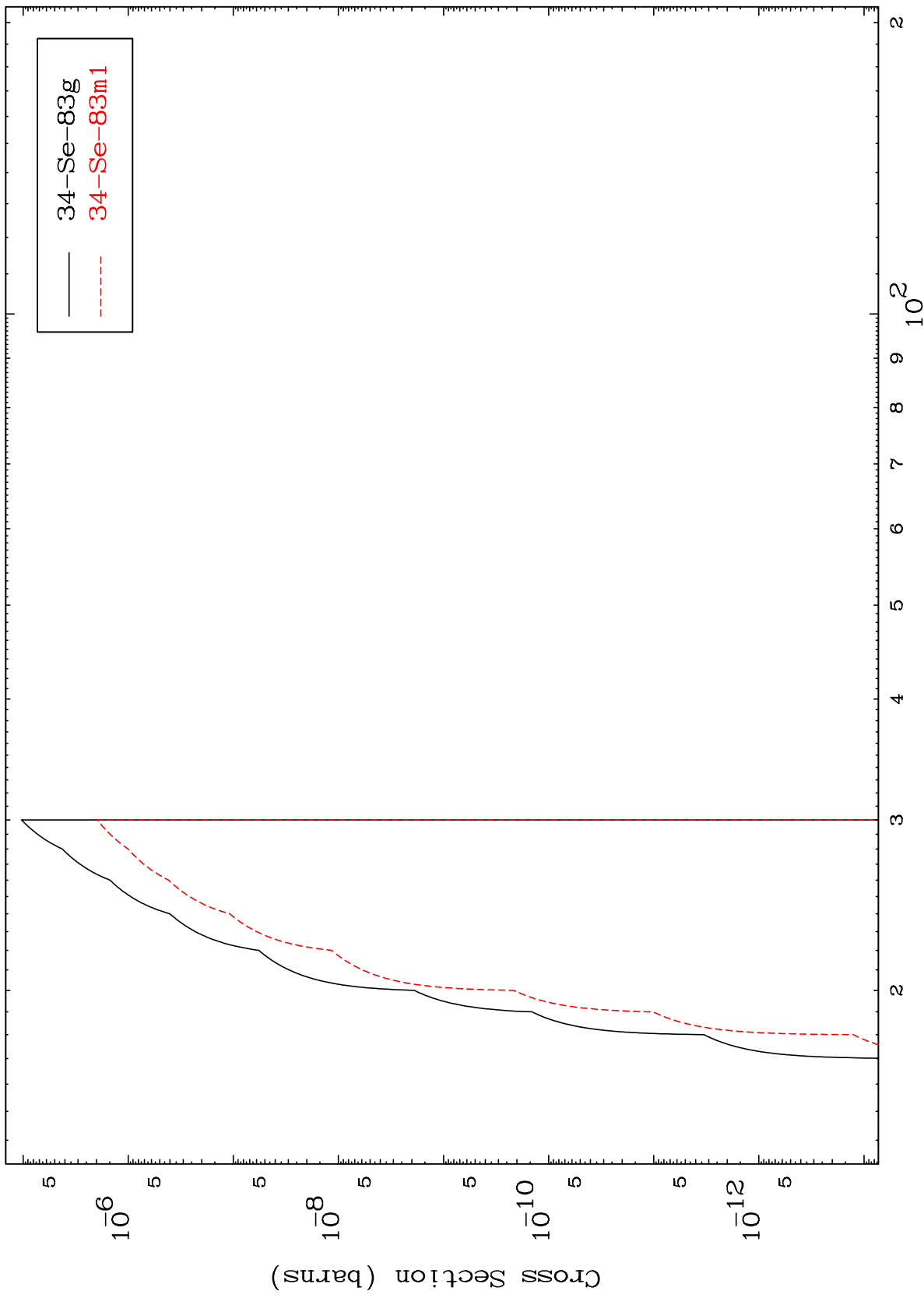
Incident Energy (MeV)

<sup>34</sup>Se-81m

MAT 3447

34-Se-81m

(n,2p)  
Radionuclide Production Cross Section



22

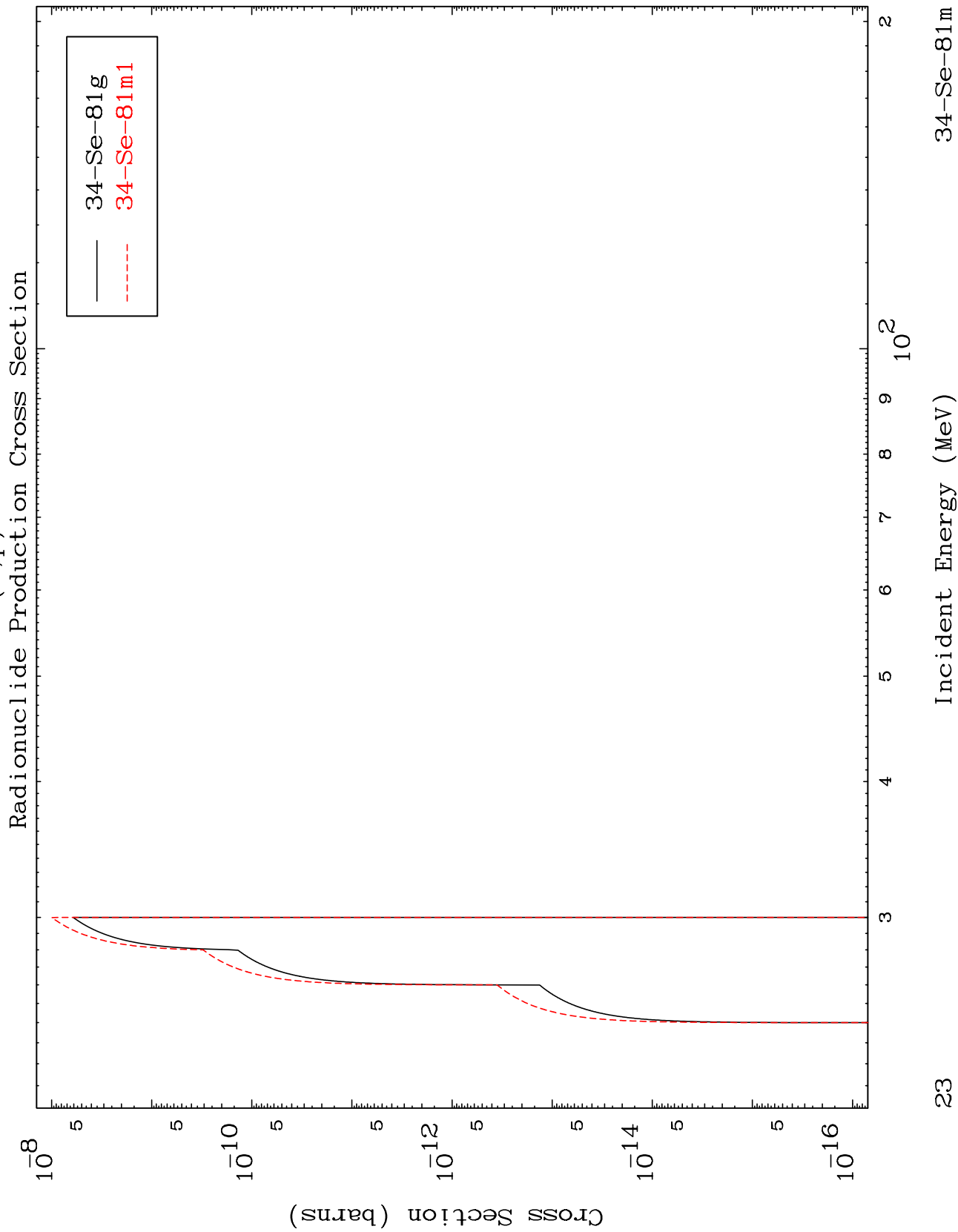
34-Se-81m

Incident Energy (MeV)

MAT 3447

(n,p) t

34-Se-81m



23

34-Se-81m