

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

Web:redcullen1.net/HOMEPAGE.NEW

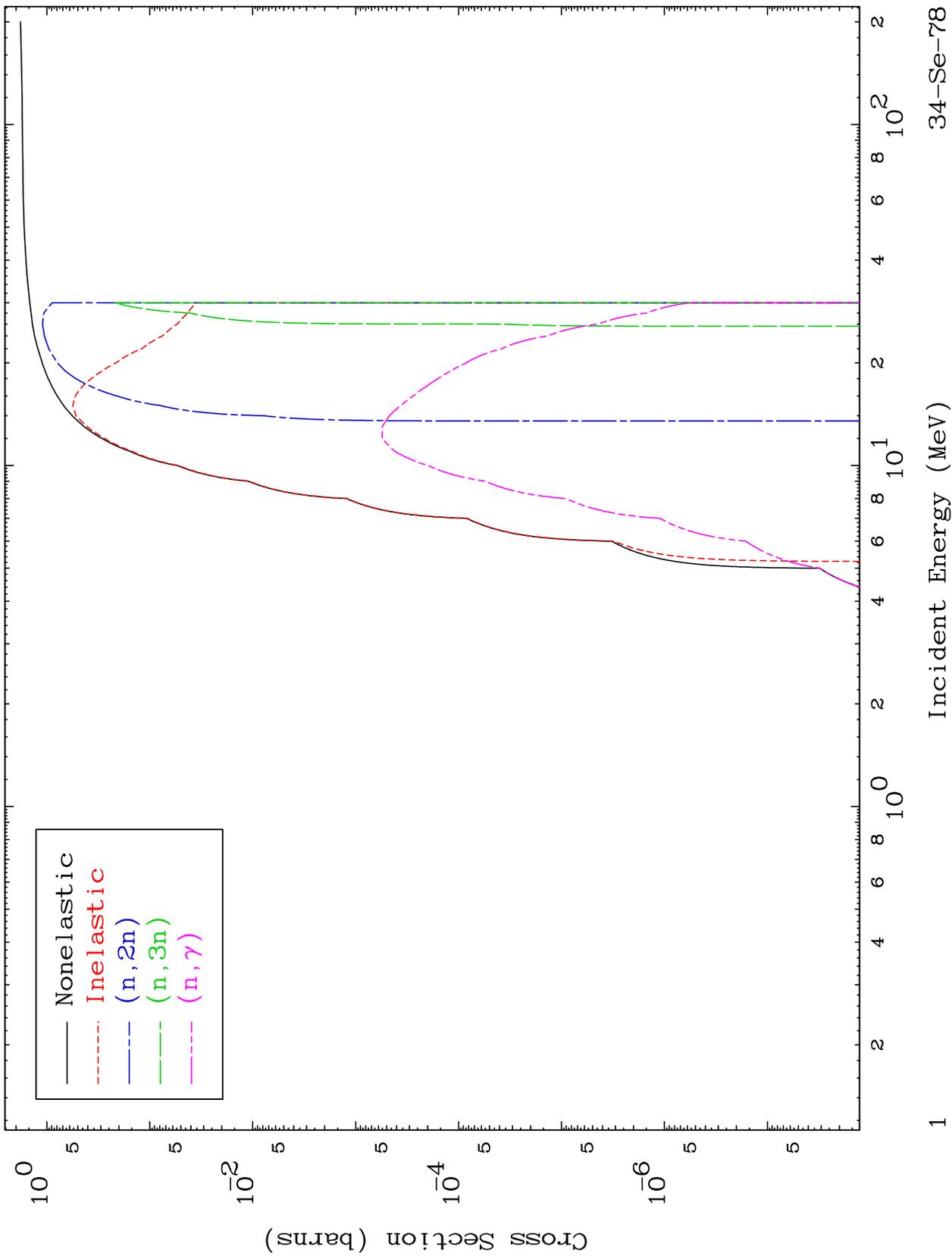
Press Mouse Button to Start

MAT 3437

0 Kelvin

$\alpha$  Major Cross Sections

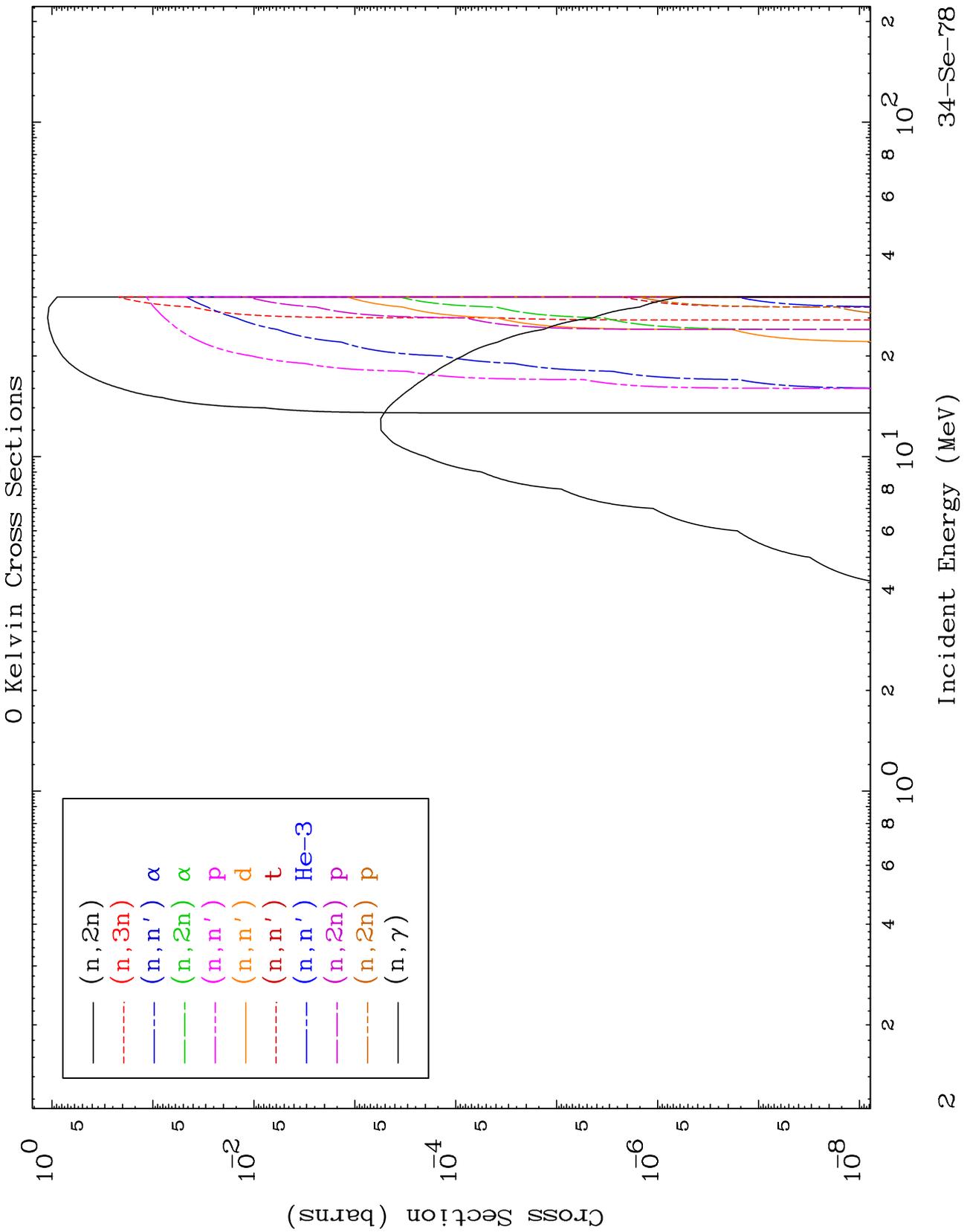
<sup>34</sup>Se-78

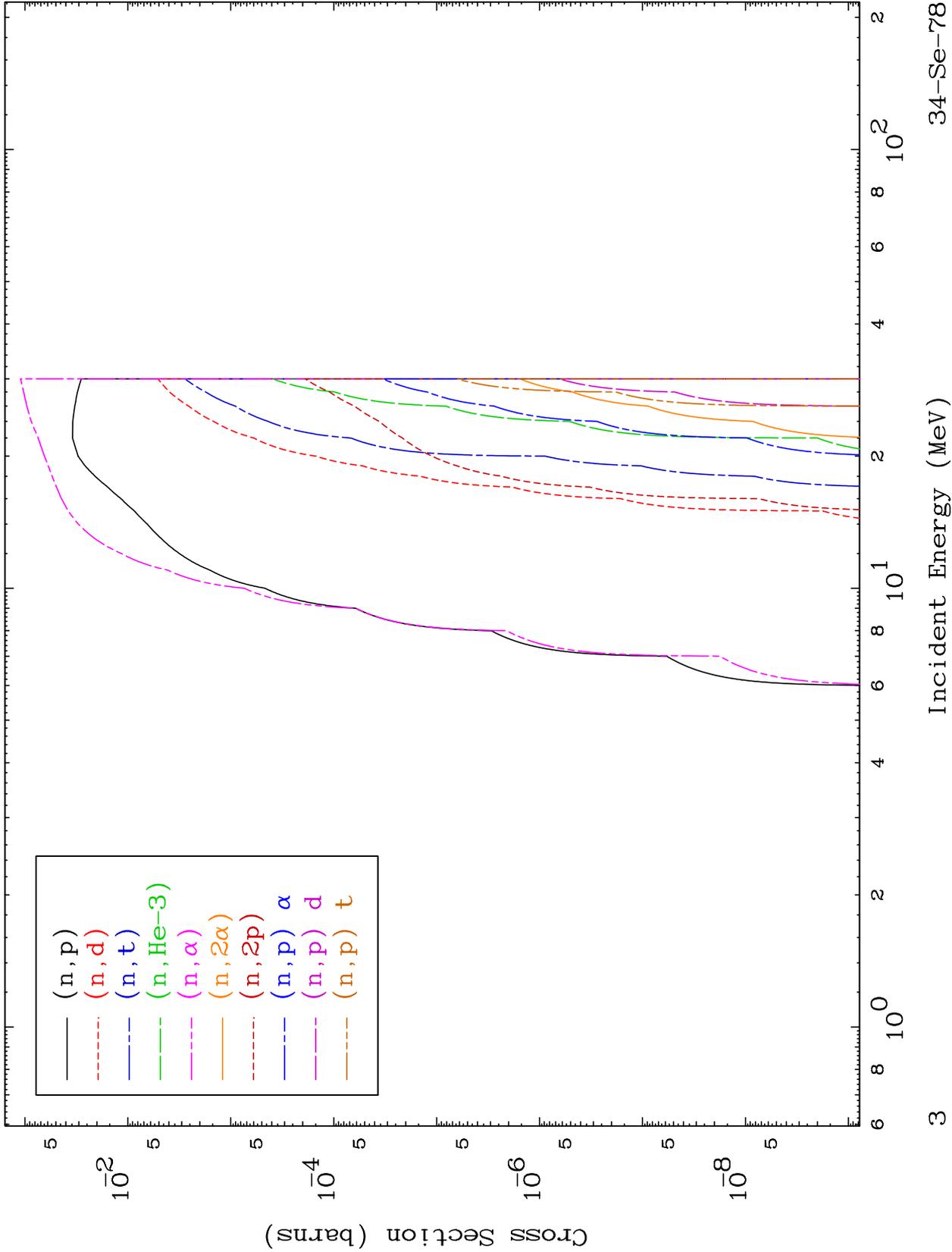


MAT 3437

$\alpha$  Neutron Absorption

$^{34}\text{Se-78}$

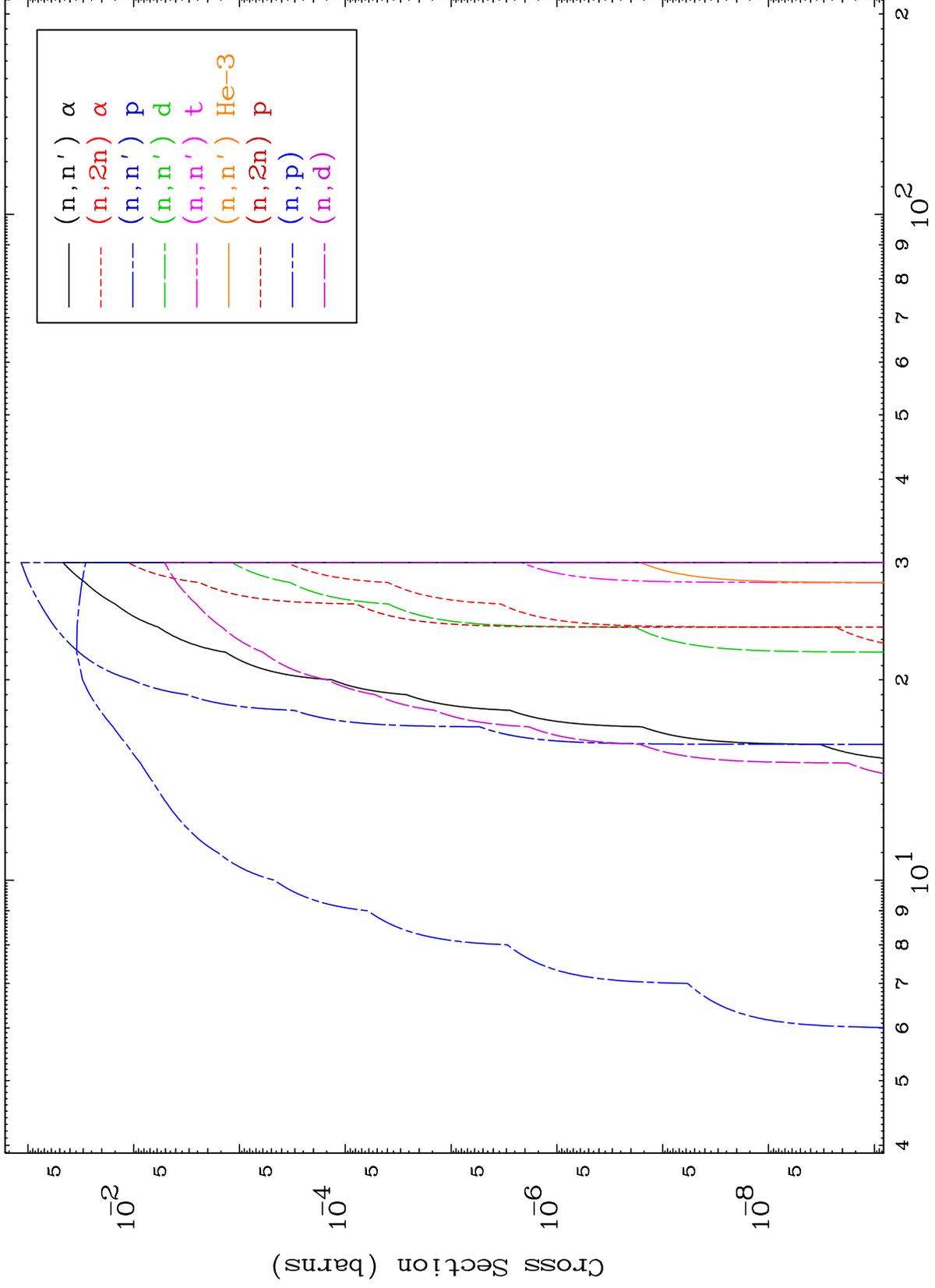




MAT 3437

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

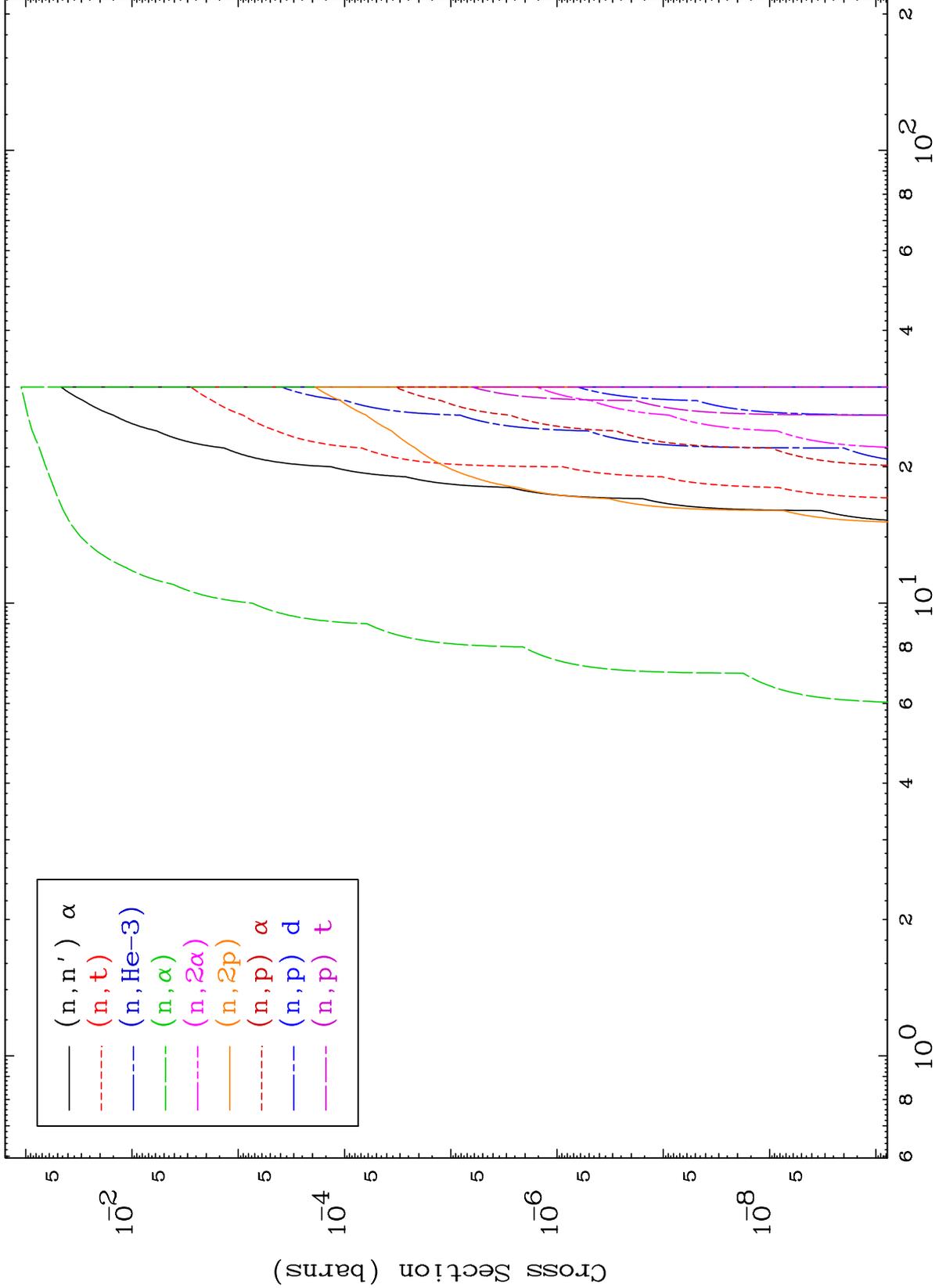
$^{34}\text{Se-78}$



$^{34}\text{Se-78}$

Incident Energy (MeV)

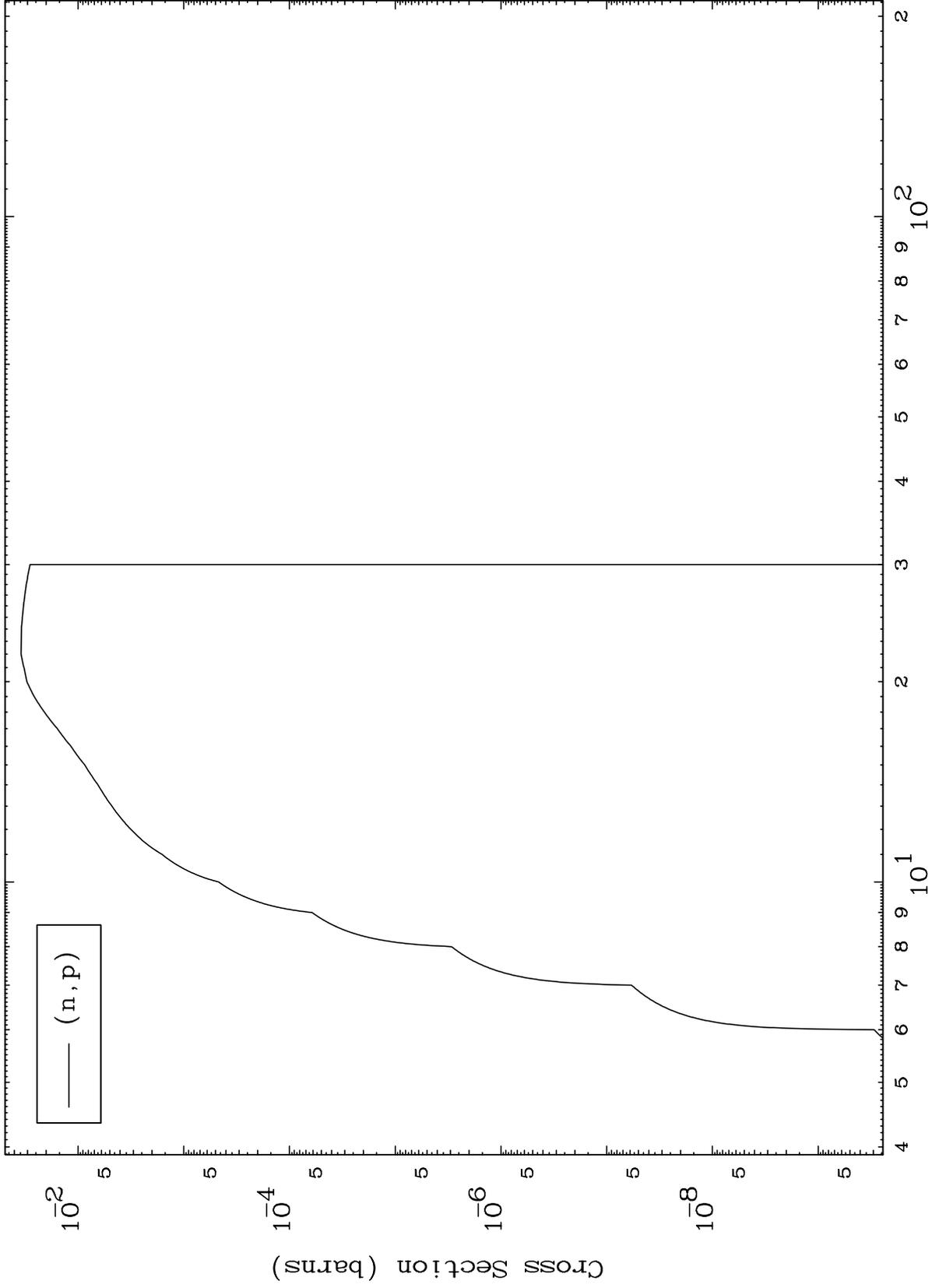
4



MAT 3437

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

$^{34}\text{Se-78}$



6

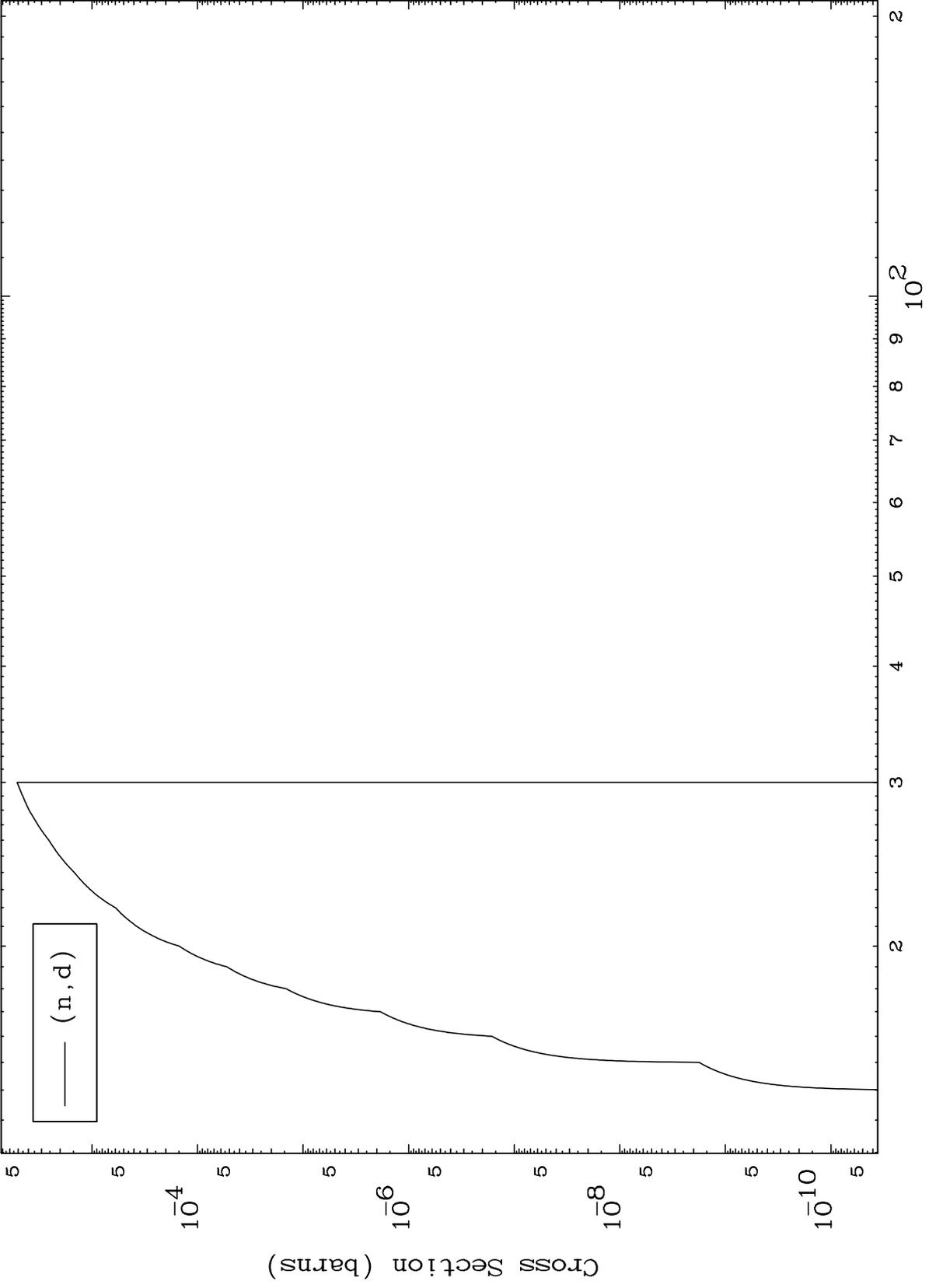
Incident Energy (MeV)

$^{34}\text{Se-78}$

MAT 3437

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

$^{34}\text{Se-78}$



7

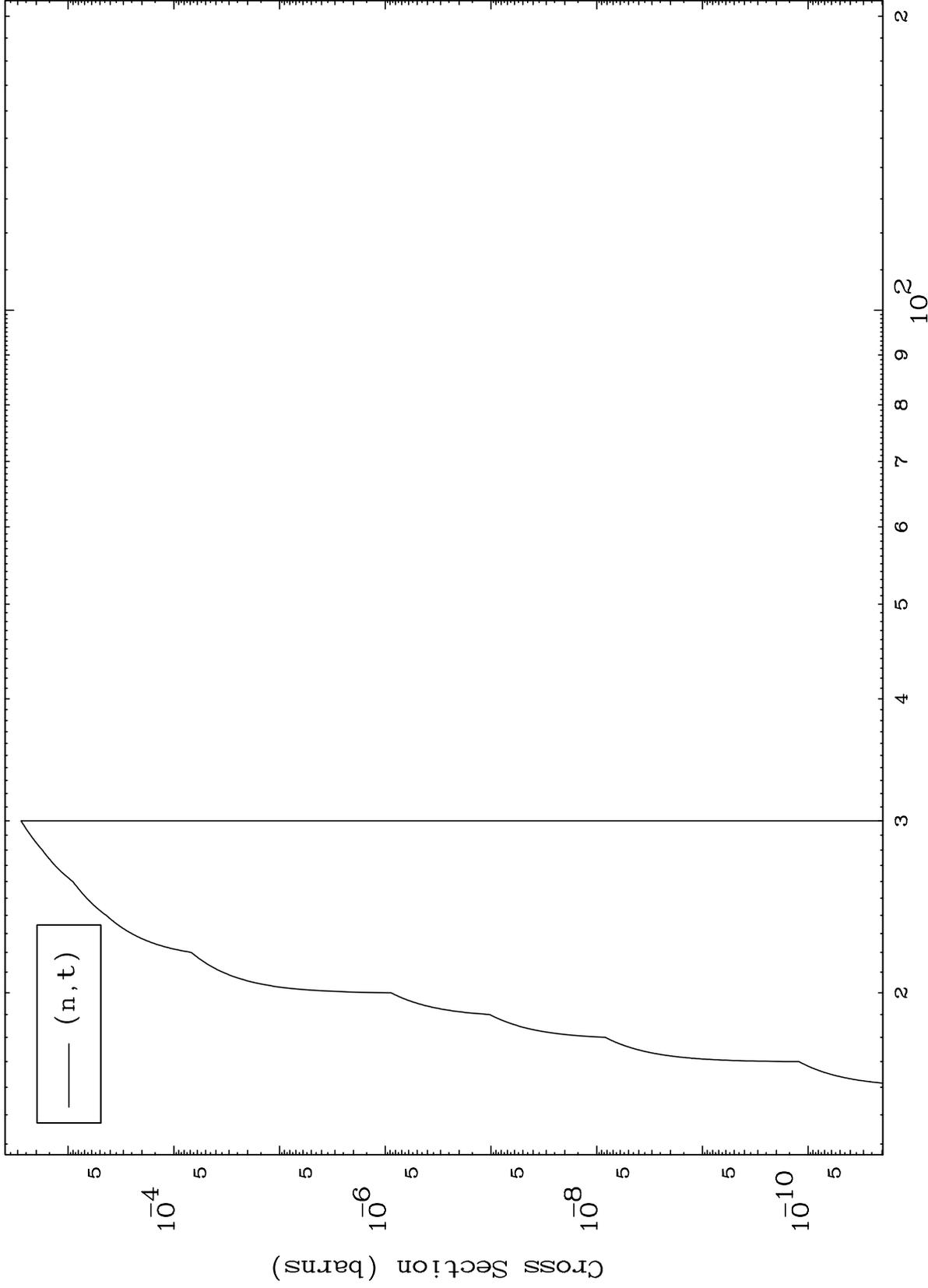
Incident Energy (MeV)

$^{34}\text{Se-78}$

MAT 3437

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

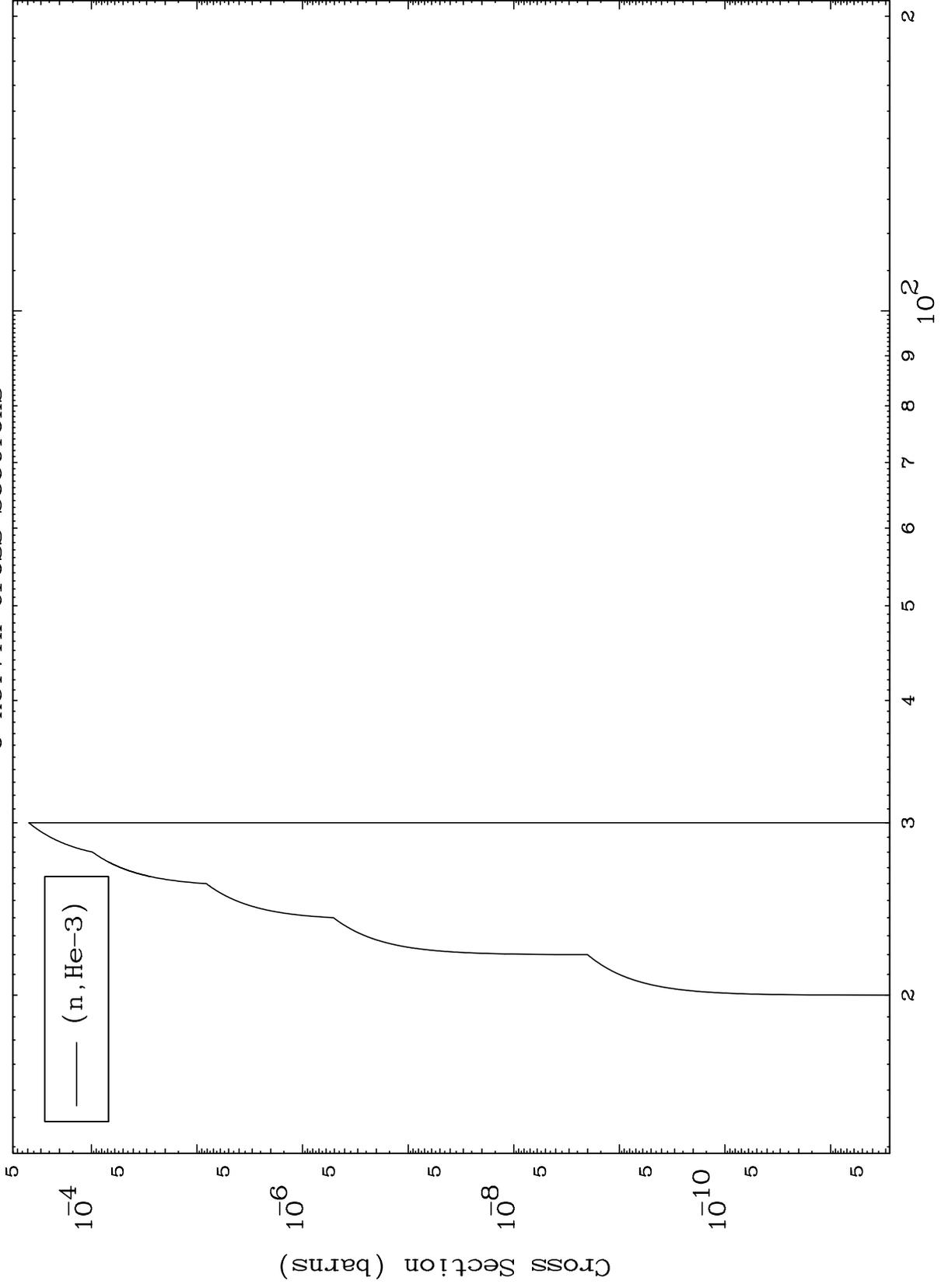
$^{34}\text{Se-78}$



8

Incident Energy (MeV)

$^{34}\text{Se-78}$

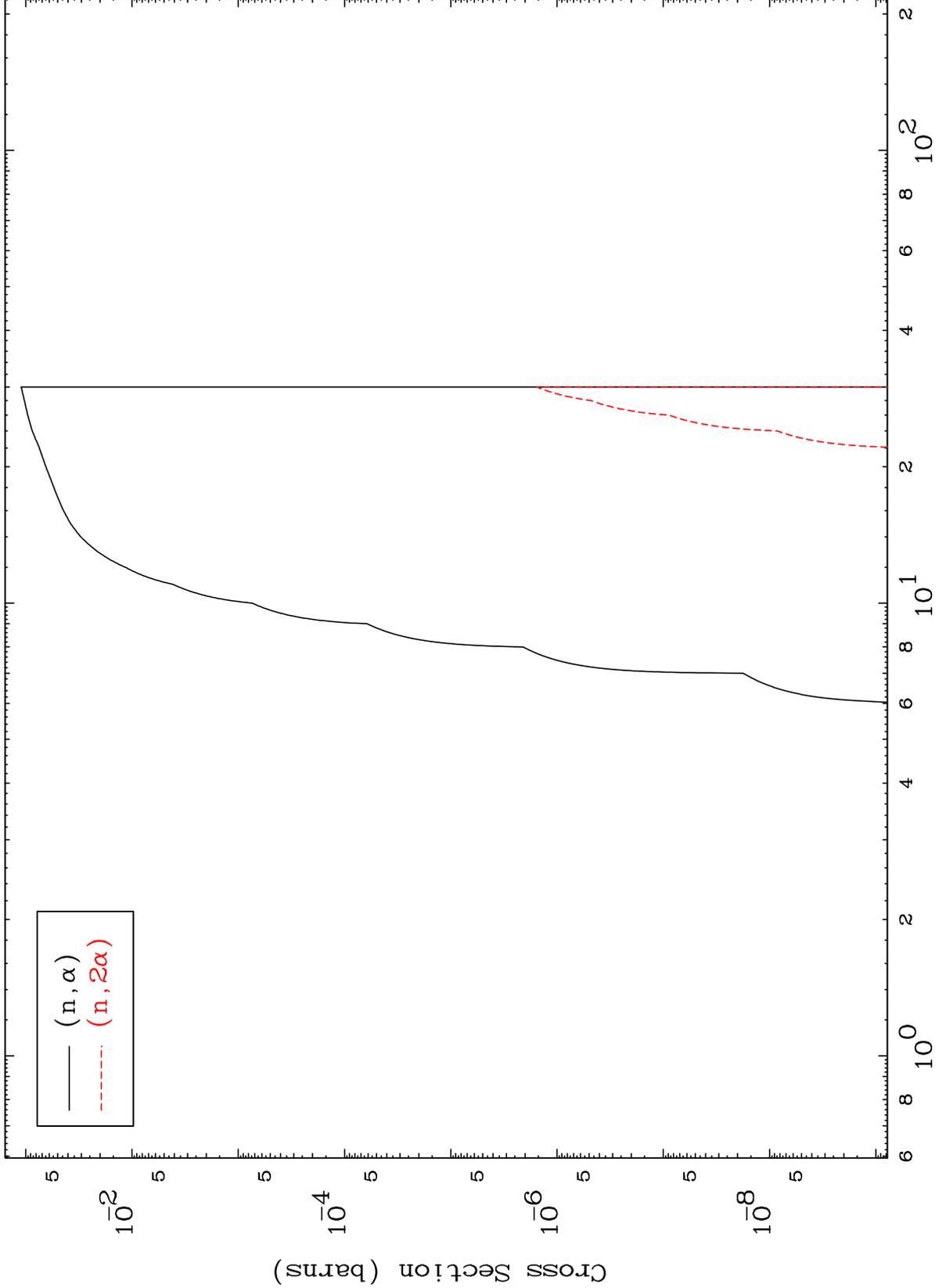


MAT 3437

( $\alpha, \alpha$ ) Levels

$^{34}\text{Se-78}$

0 Kelvin Cross Sections



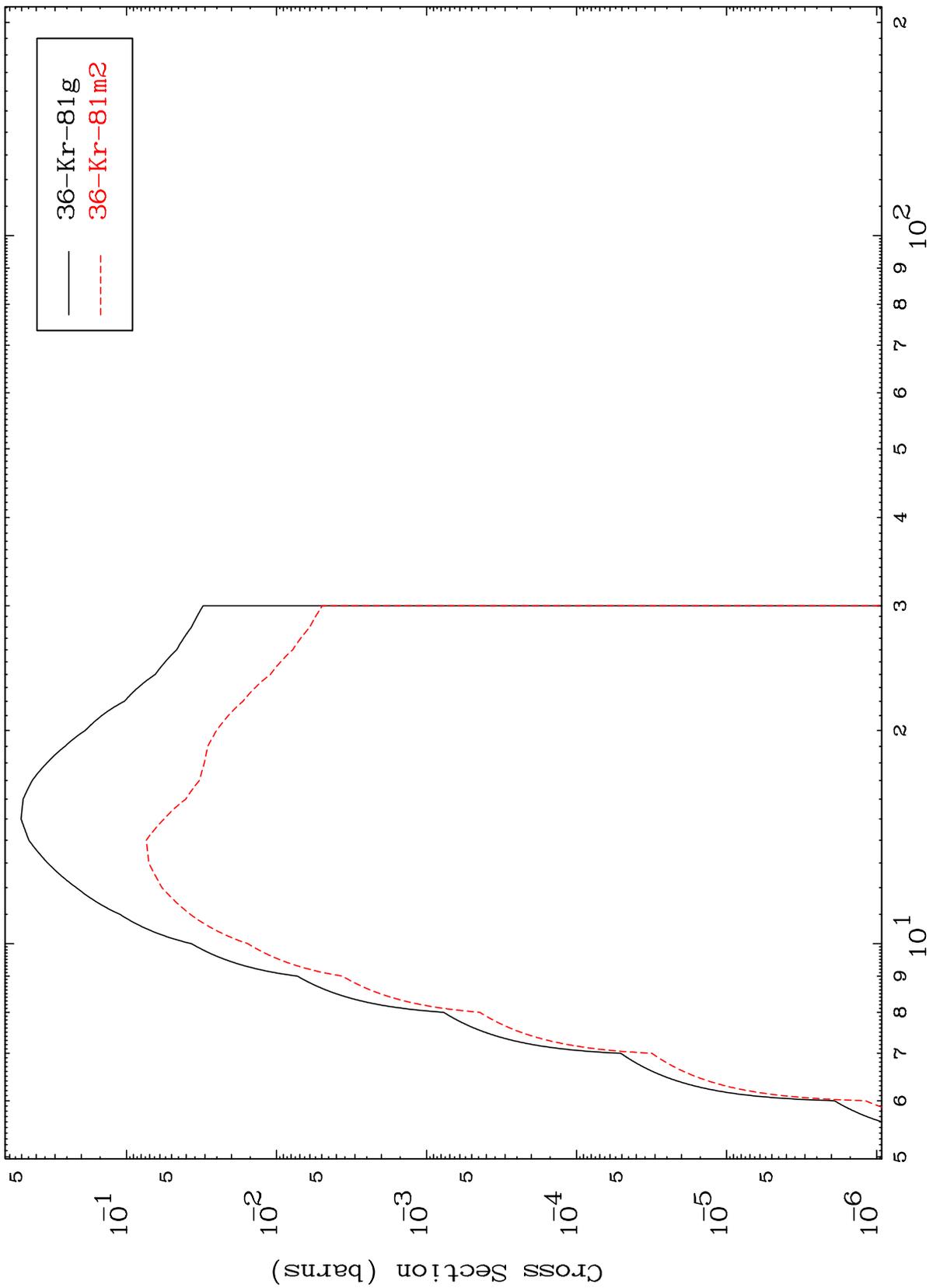
— ( $n, \alpha$ )  
- - - ( $n, 2\alpha$ )

10

Incident Energy (MeV)

$^{34}\text{Se-78}$

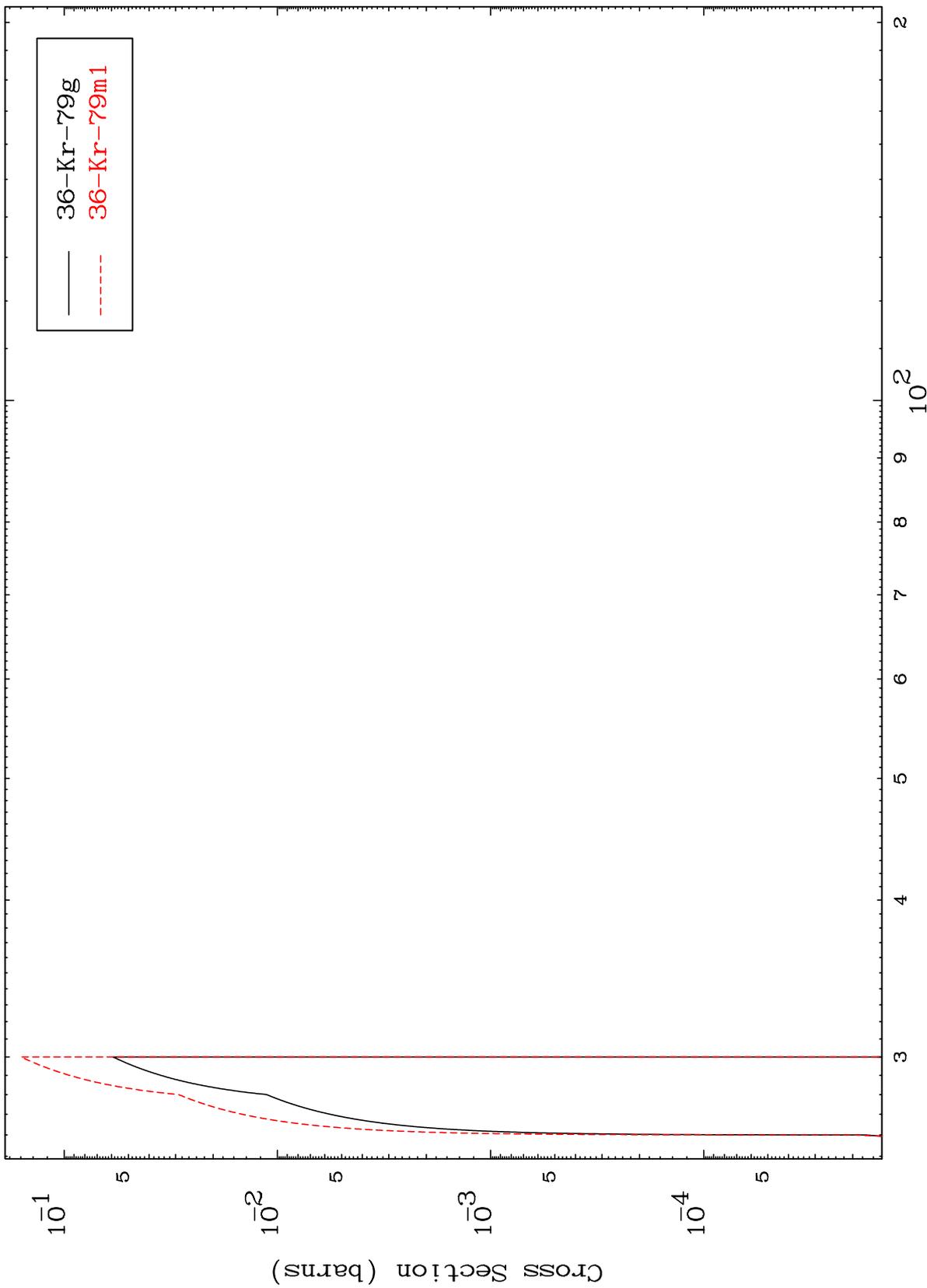
Inelastic  
Radionuclide Production Cross Section



MAT 3437

<sup>34</sup>Se-78

(n,3n)  
Radionuclide Production Cross Section



12

Incident Energy (MeV)

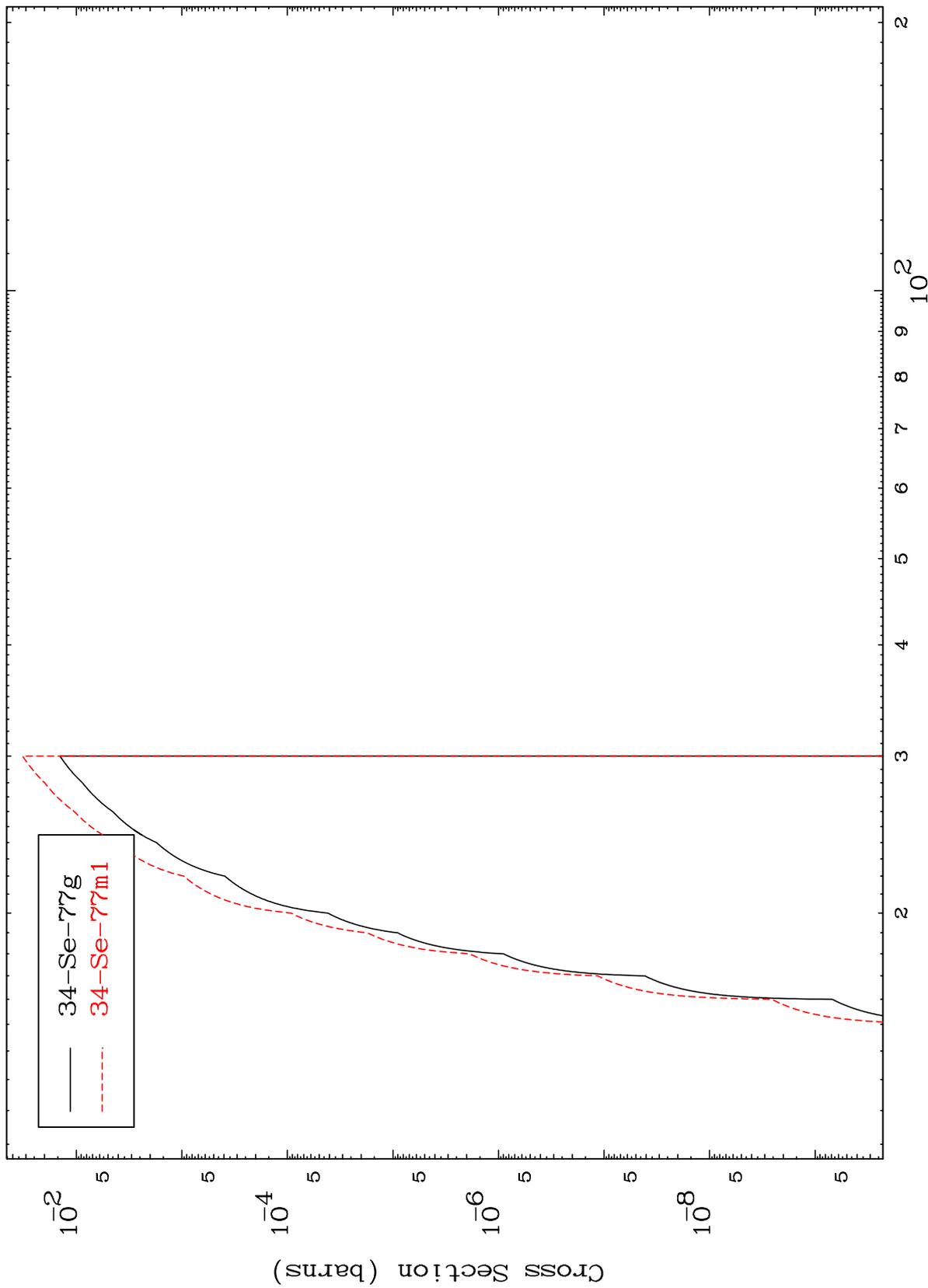
<sup>34</sup>Se-78

MAT 3437

$(n, n') \alpha$

$^{34}\text{Se-78}$

Radionuclide Production Cross Section

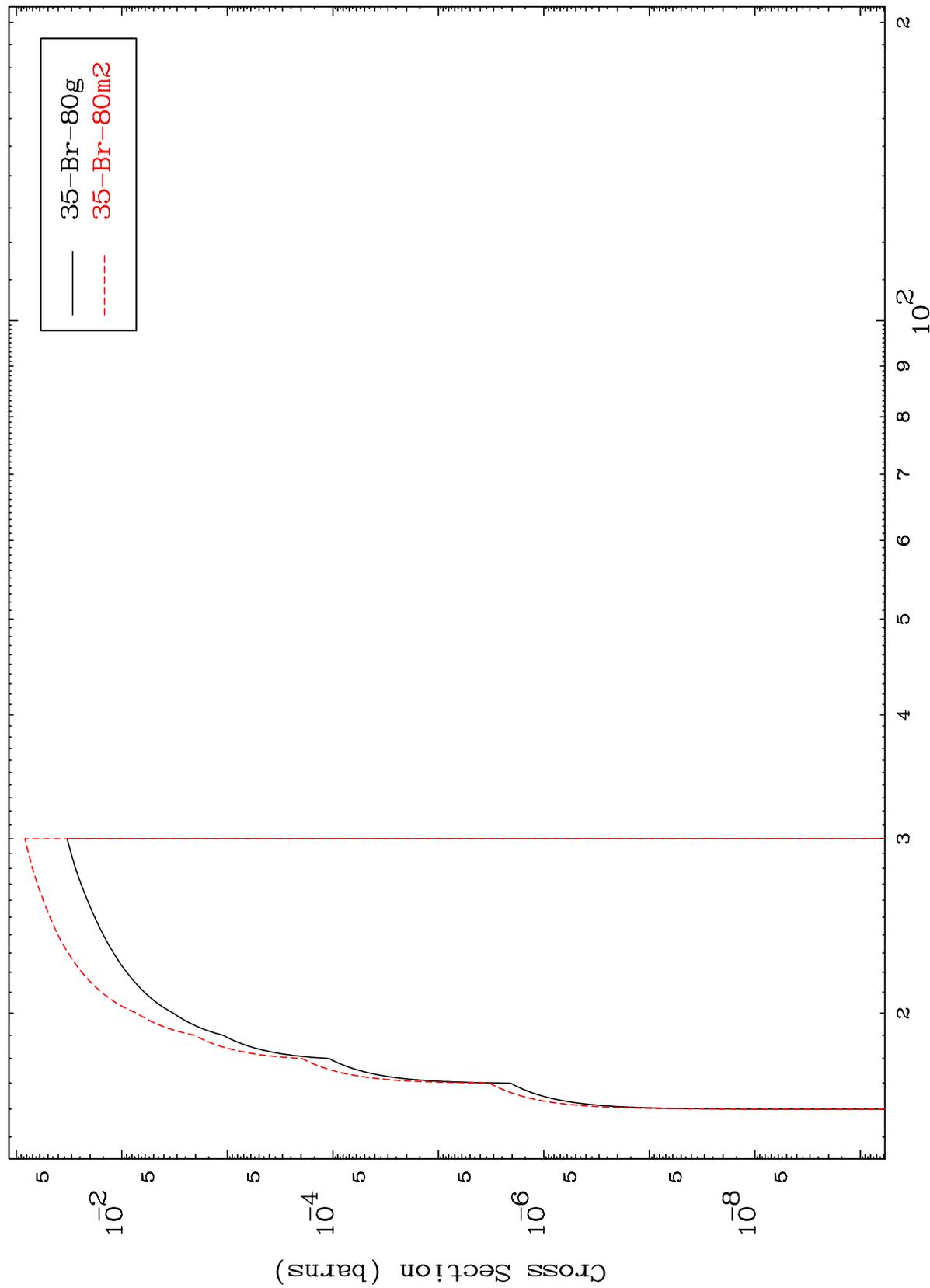


MAT 3437

$(n, n')$  p

$^{34}\text{Se-78}$

Radionuclide Production Cross Section



14

Incident Energy (MeV)

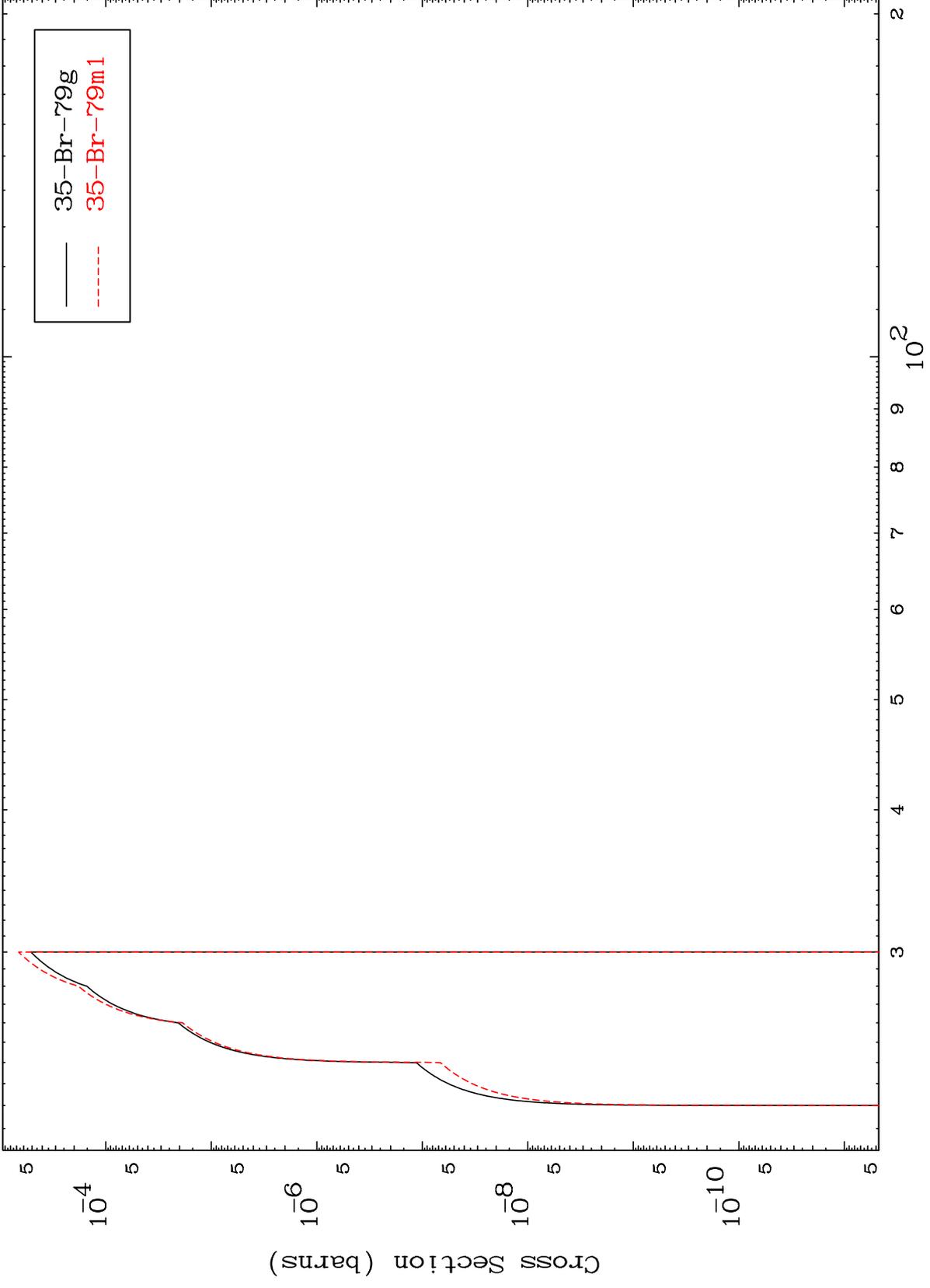
$^{34}\text{Se-78}$

MAT 3437

(n,n') d

<sup>34</sup>Se-78

Radionuclide Production Cross Section



15

Incident Energy (MeV)

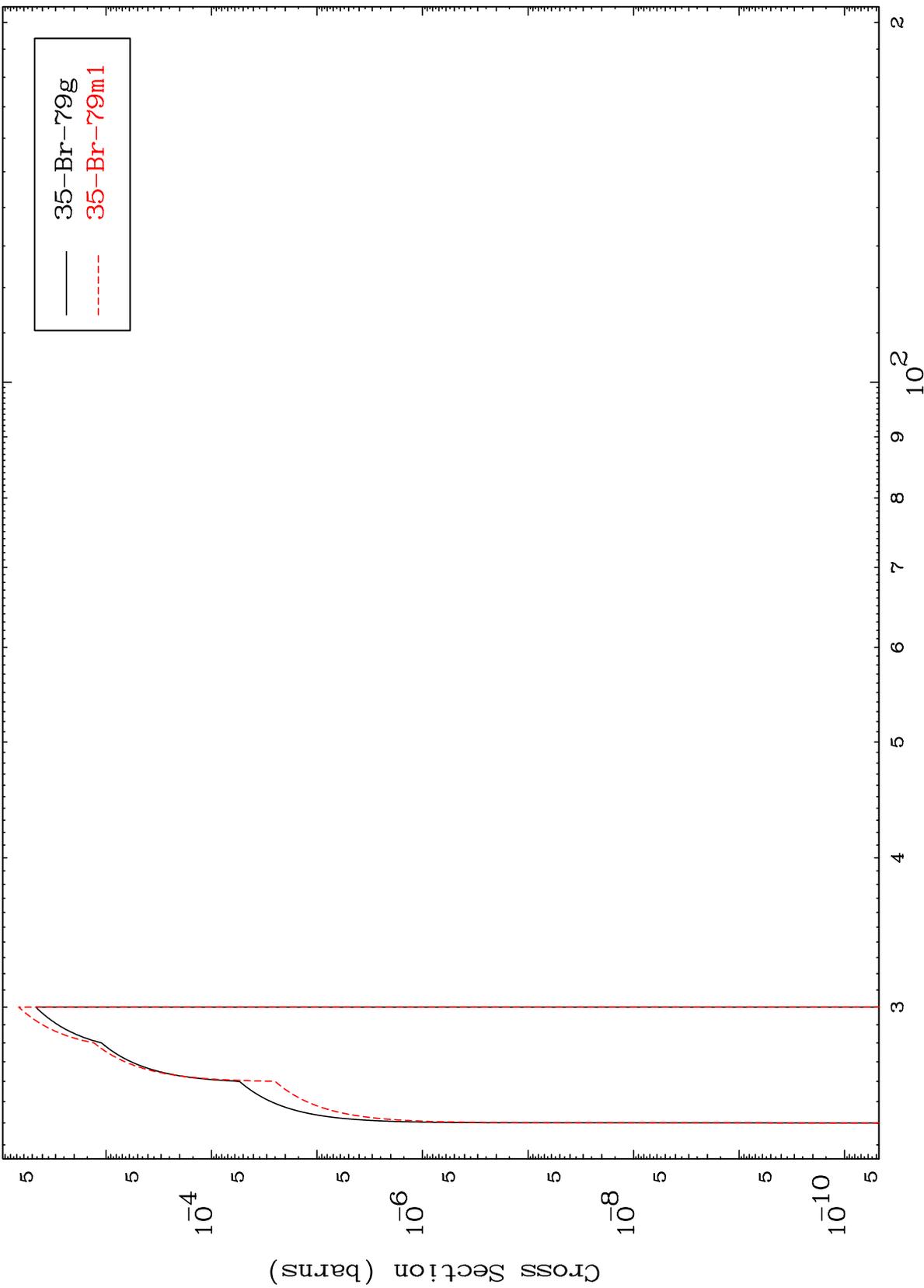
<sup>34</sup>Se-78

MAT 3437

(n,2n) p

<sup>34</sup>Se-78

Radionuclide Production Cross Section



16

Incident Energy (MeV)

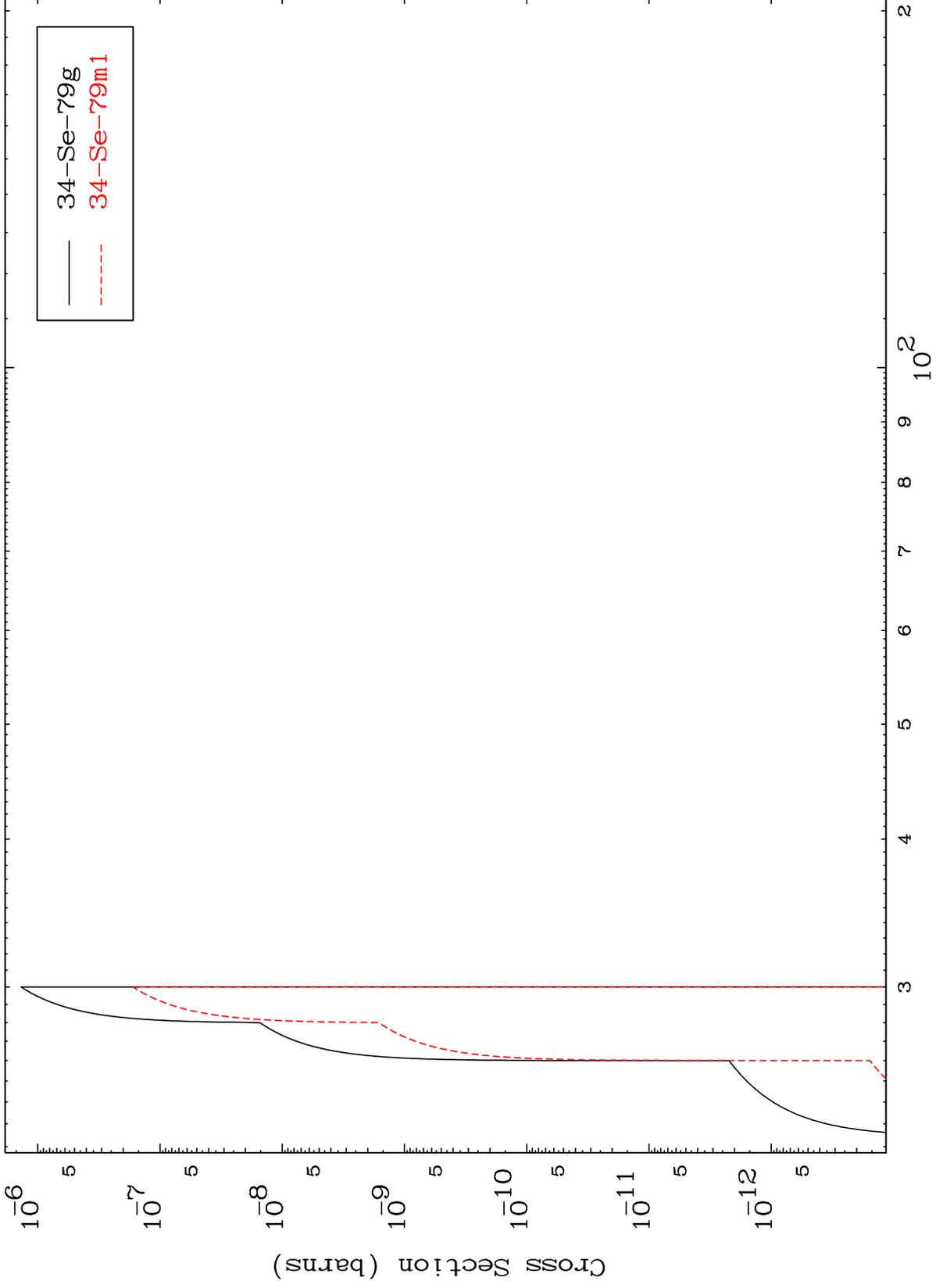
<sup>34</sup>Se-78

MAT 3437

(n,2n) p

<sup>34</sup>Se-78

Radionuclide Production Cross Section



17

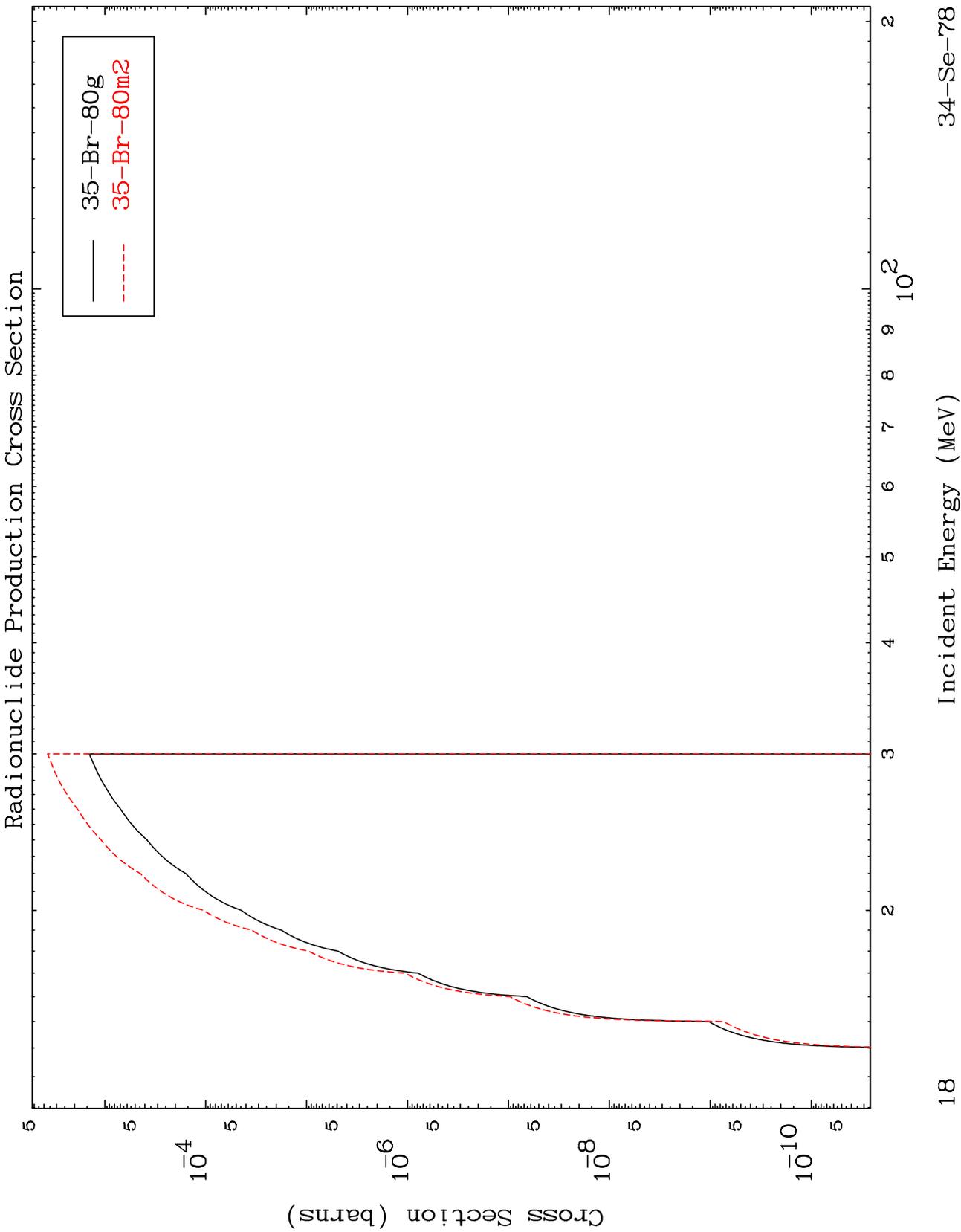
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

(n,d)

34-Se-78



18

Incident Energy (MeV)

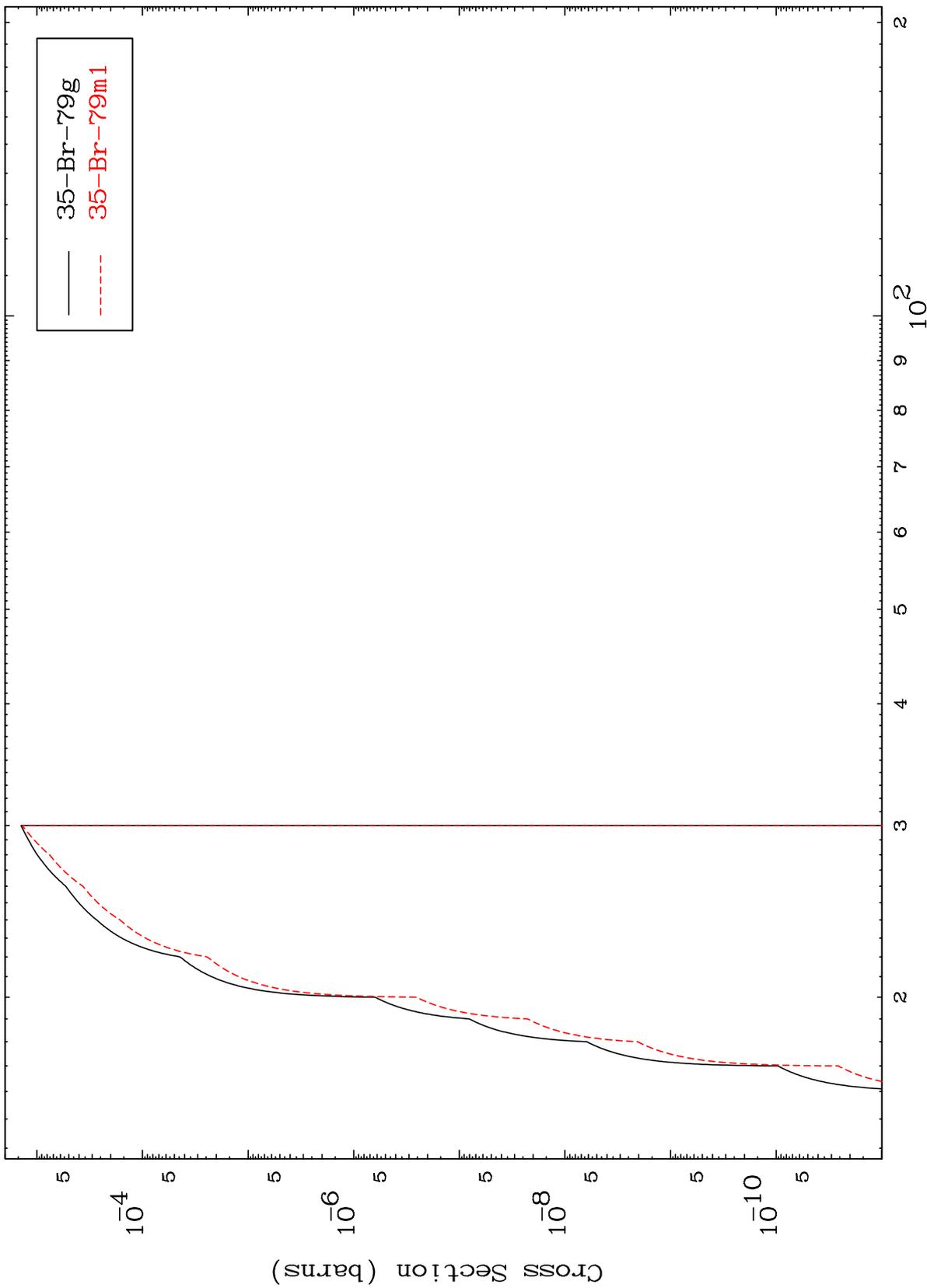
34-Se-78

MAT 3437

(n,t)

34-Se-78

Radionuclide Production Cross Section



19

Incident Energy (MeV)

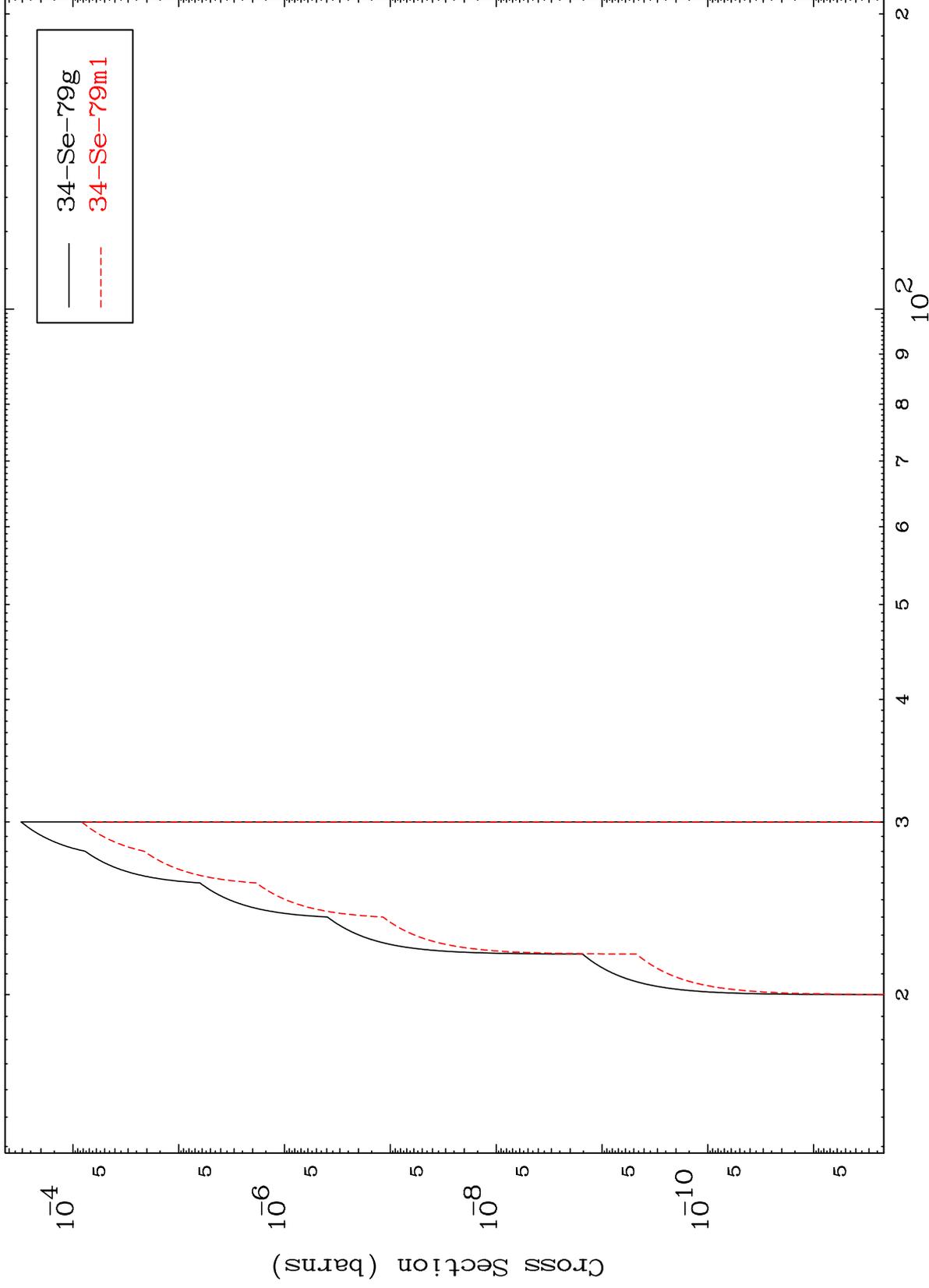
34-Se-78

MAT 3437

(n,He-3)

<sup>34</sup>Se-78

Radionuclide Production Cross Section



20

Incident Energy (MeV)

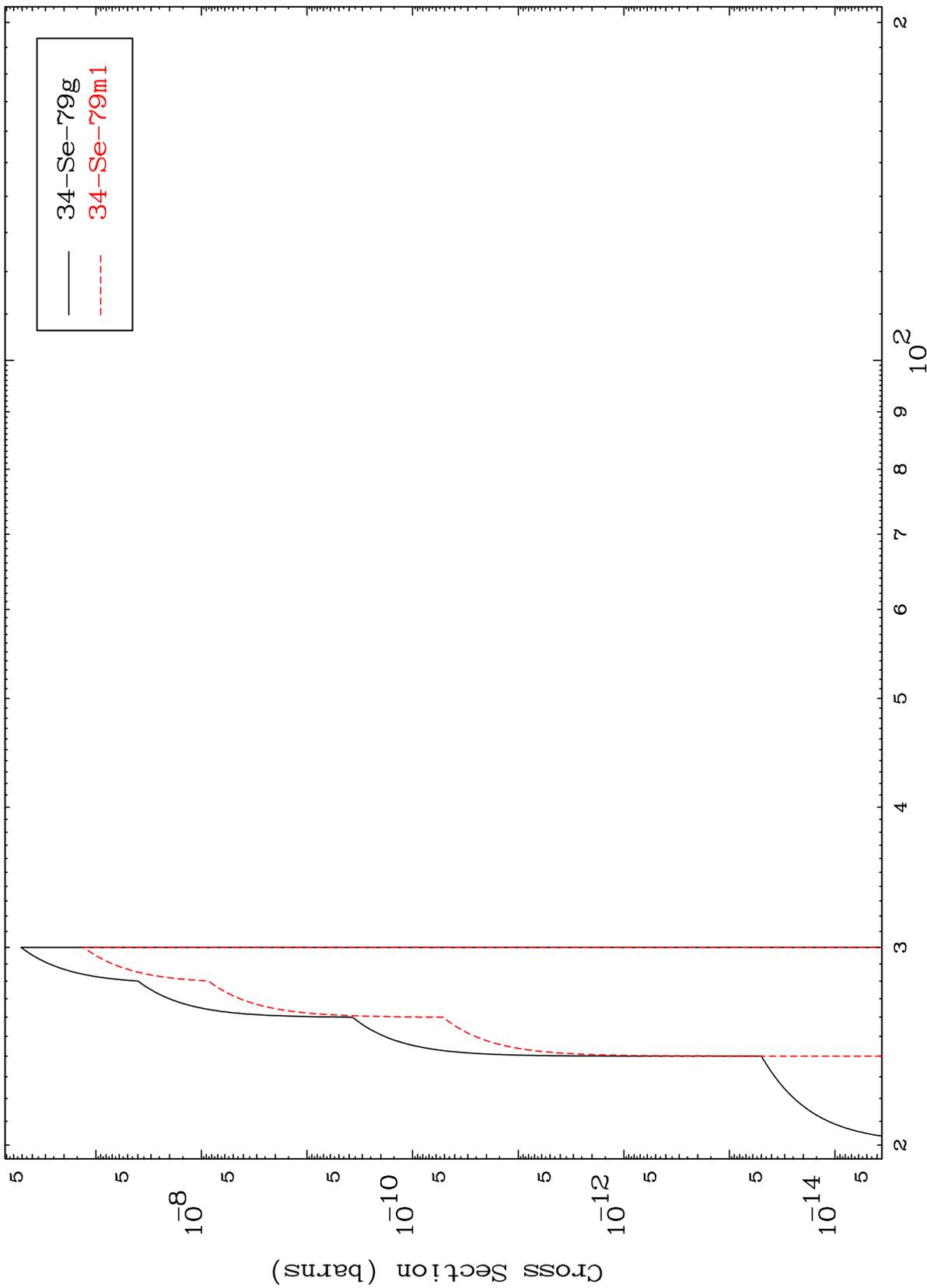
<sup>34</sup>Se-78

MAT 3437

(n,p) d

<sup>34</sup>Se-78

Radionuclide Production Cross Section



21

Incident Energy (MeV)

<sup>34</sup>Se-78