

Program EVALPLOT  
(Version 2021-1)

by

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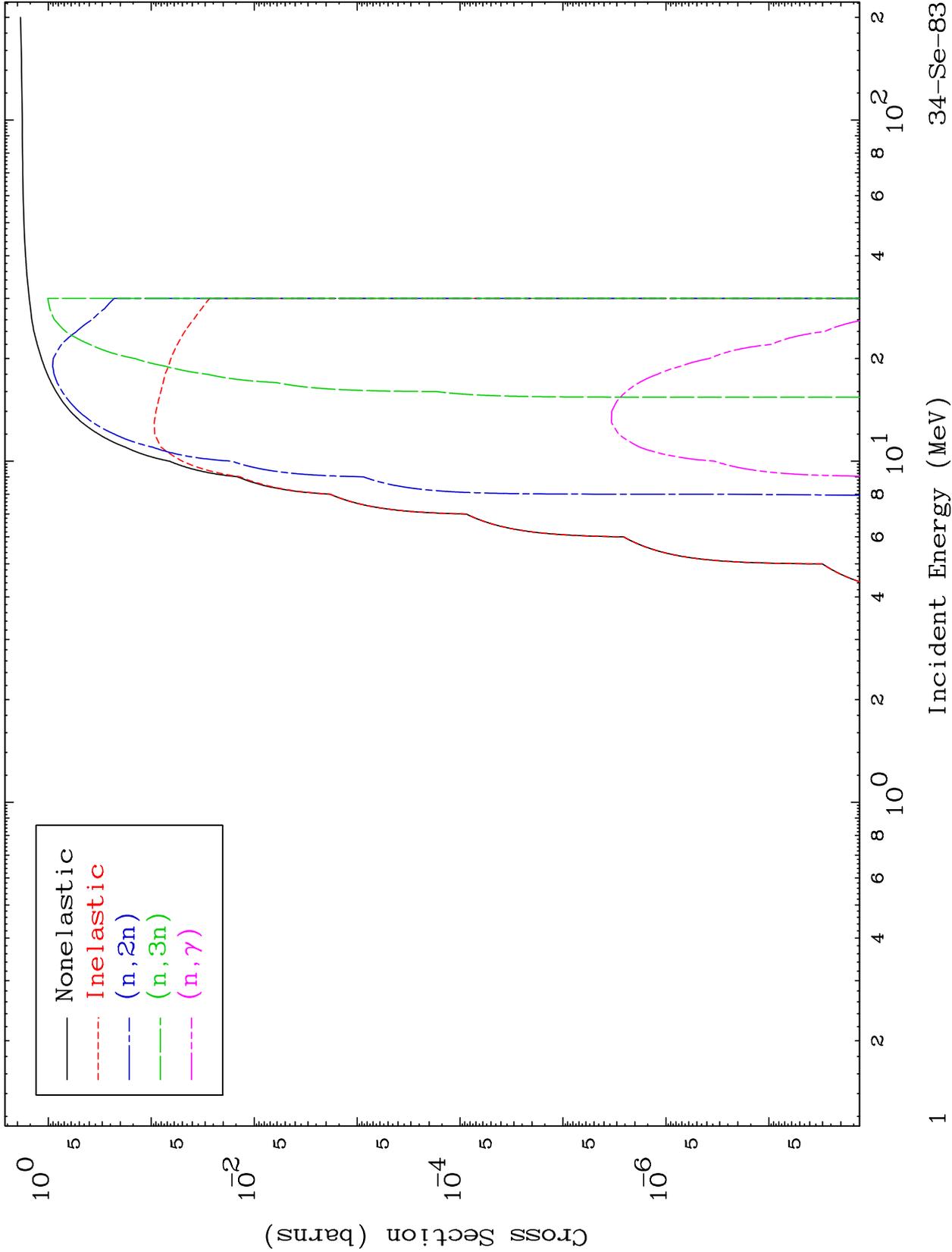
Press Mouse Button to Start

MAT 3452

0 Kelvin

$\alpha$  Major Cross Sections

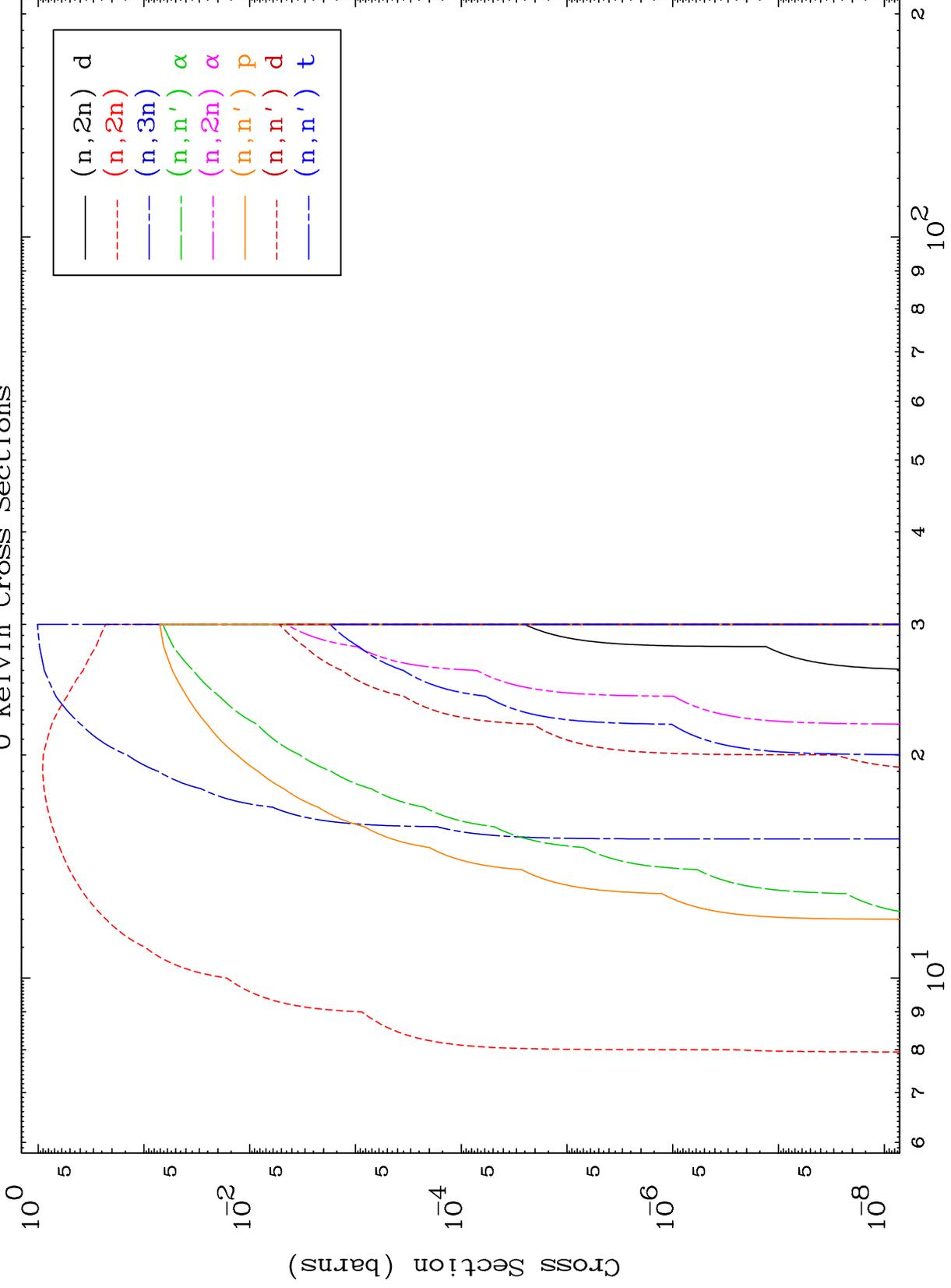
<sup>34</sup>Se-83



MAT 3452

$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

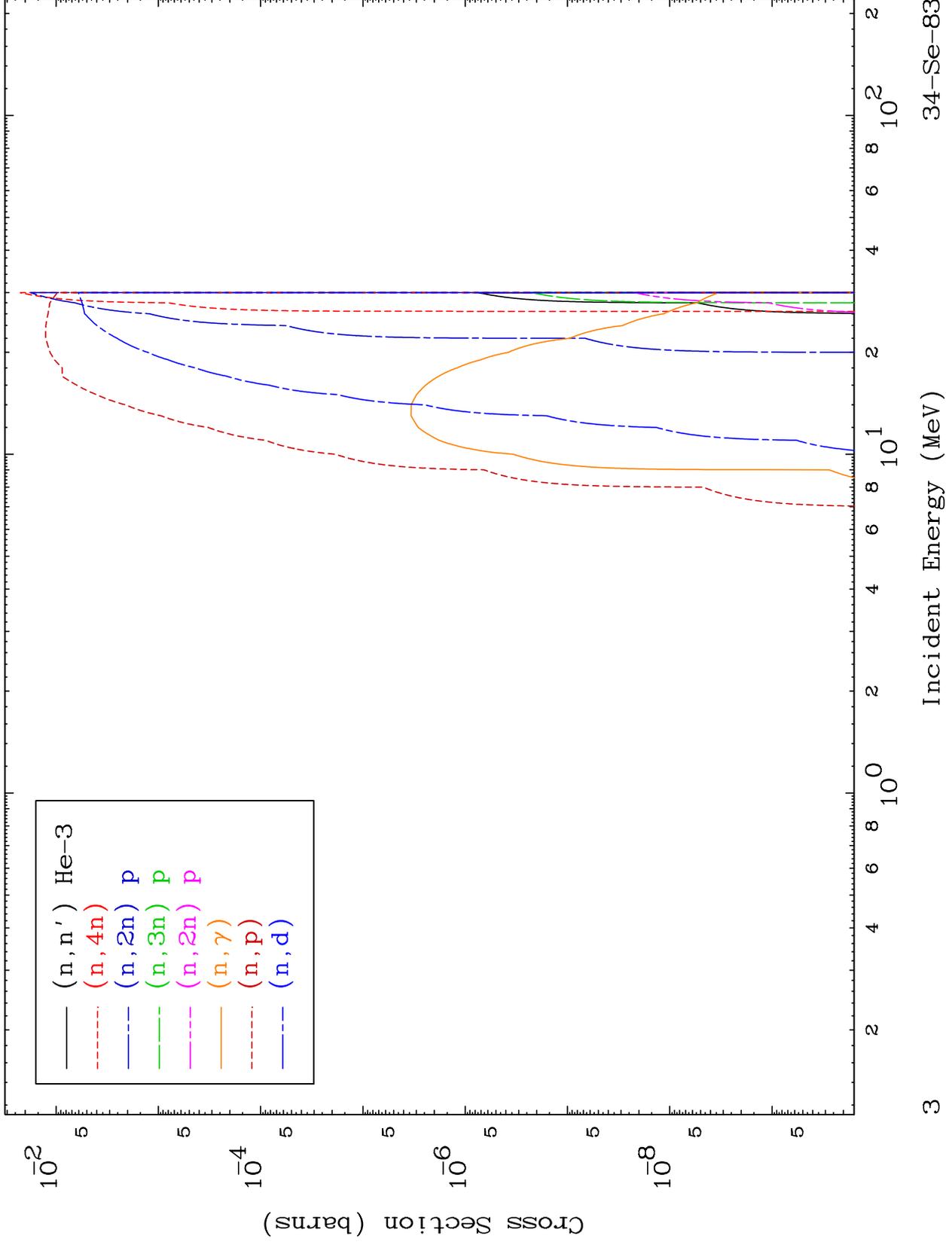
<sup>34</sup>Se-83



2

Incident Energy (MeV)

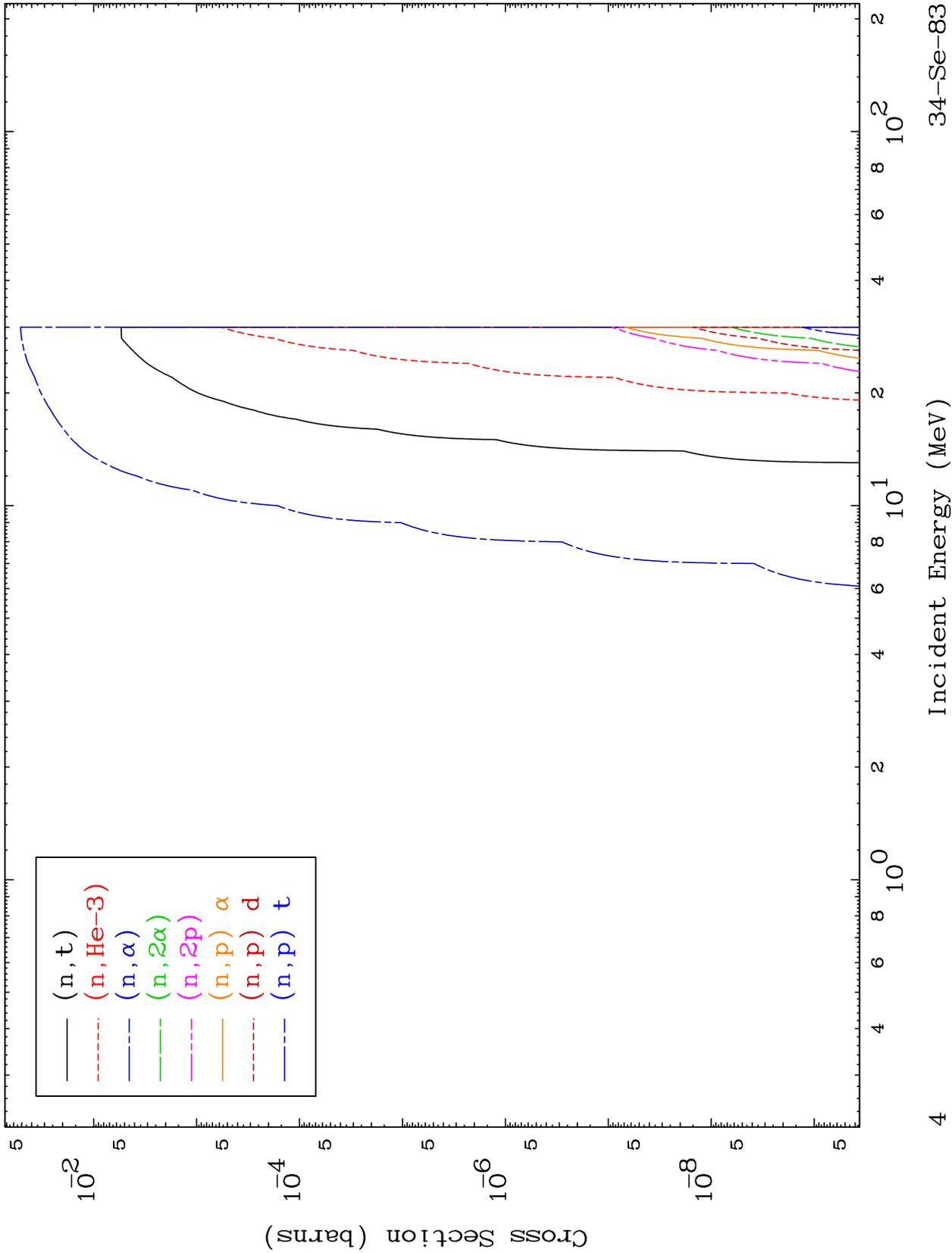
<sup>34</sup>Se-83



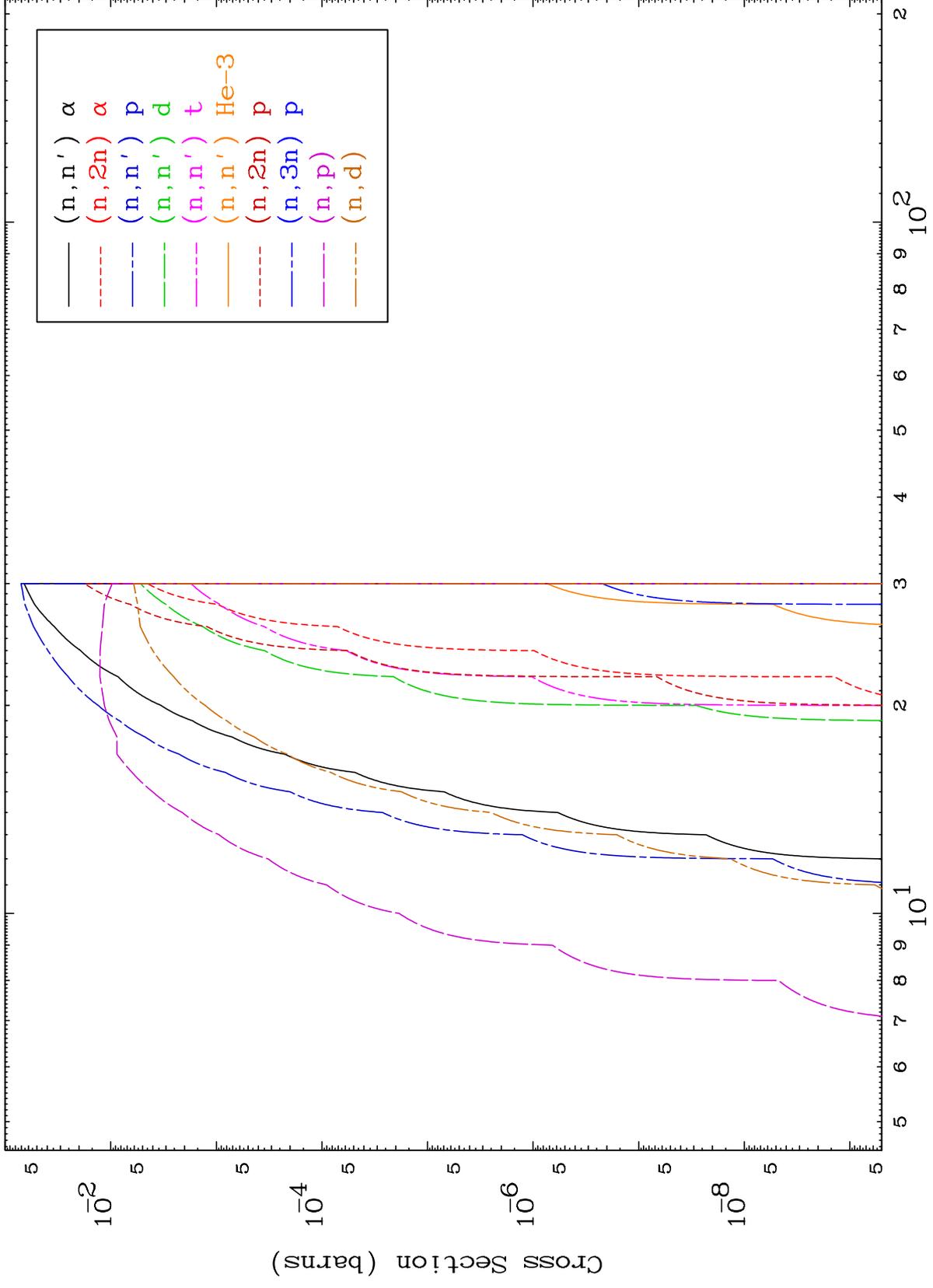
MAT 3452

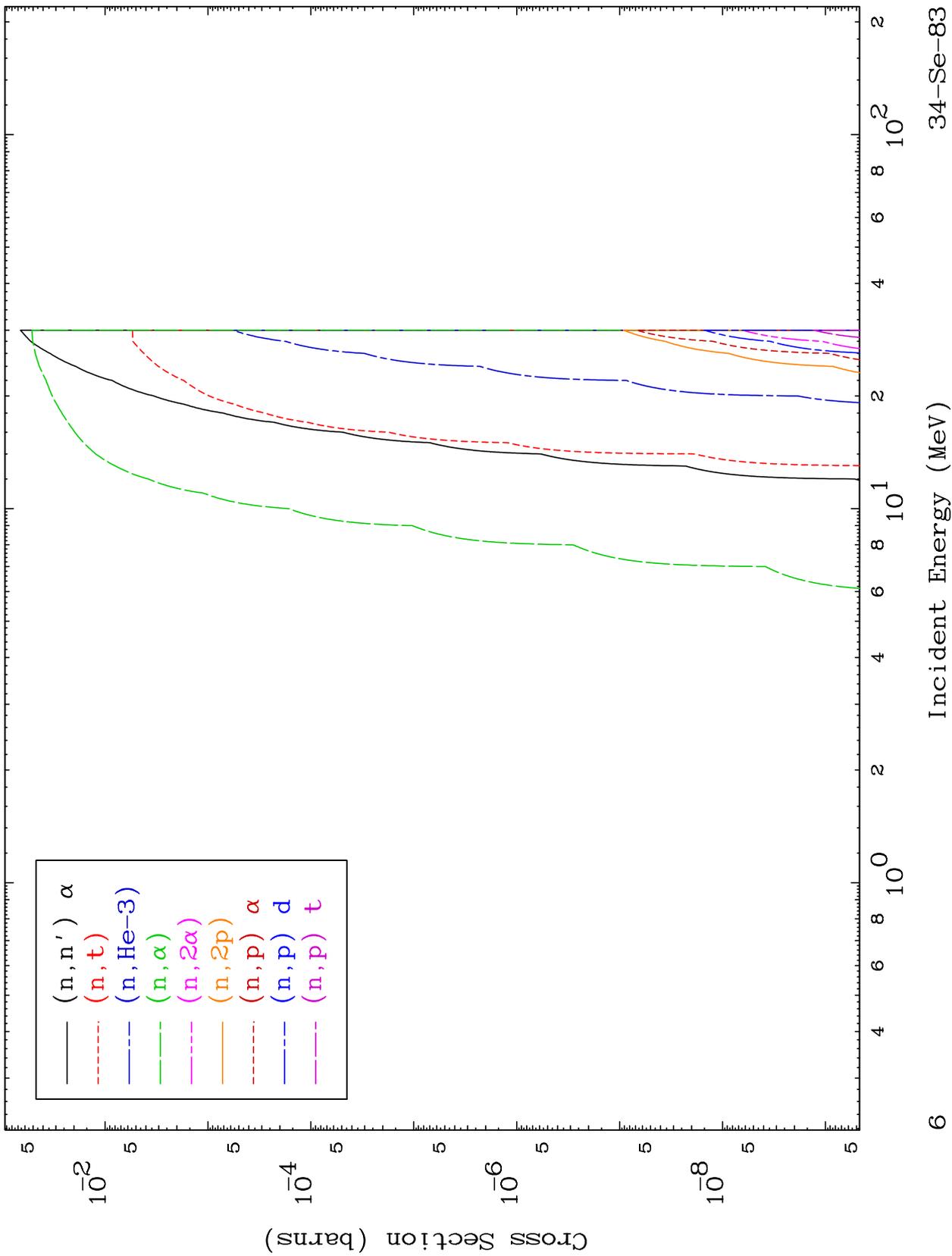
$\alpha$  Neutron Absorption  
0 Kelvin Cross Sections

<sup>34</sup>Se-83



<sup>34</sup>Se-83

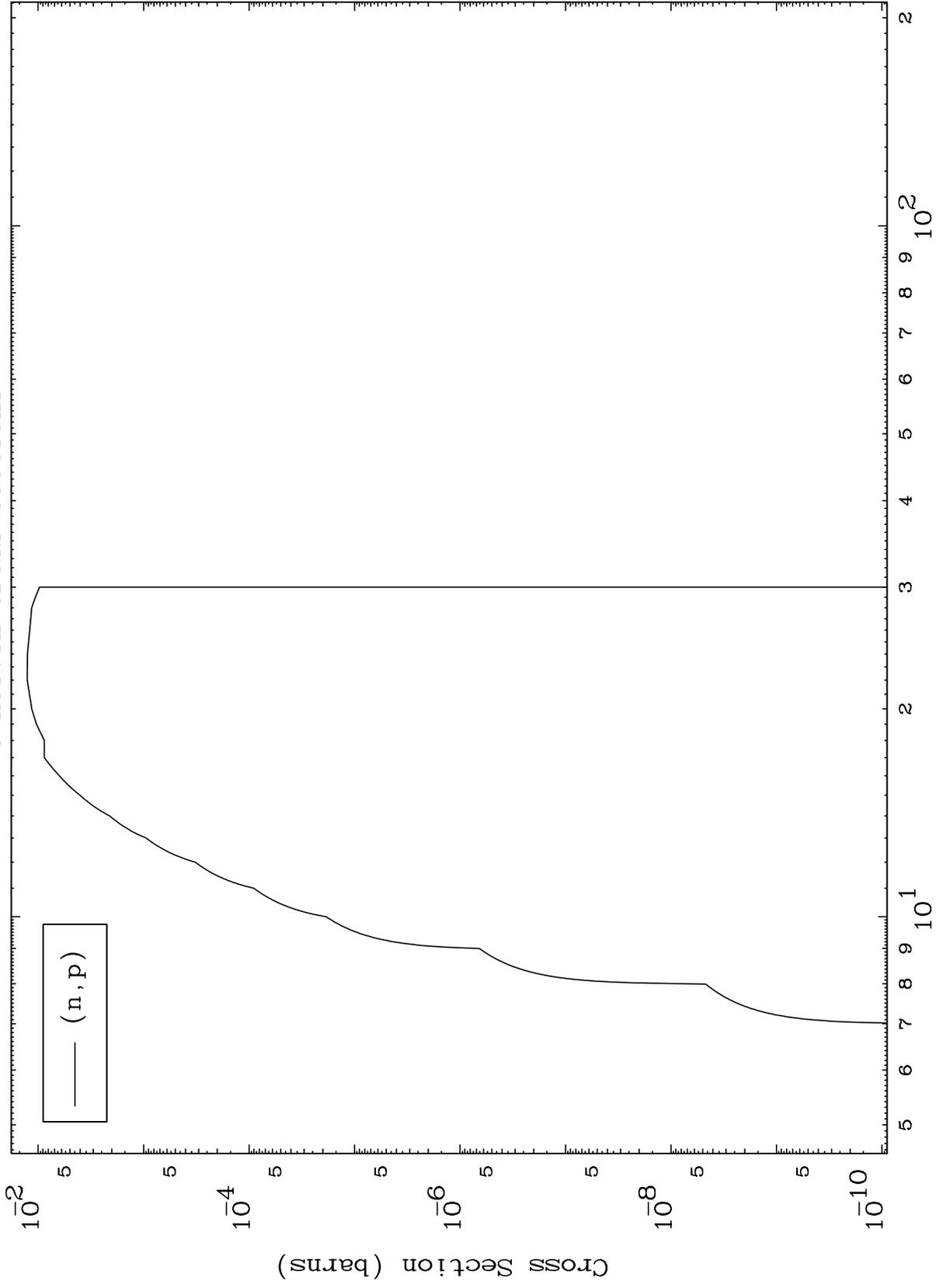




MAT 3452

34-Se-83

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



34-Se-83

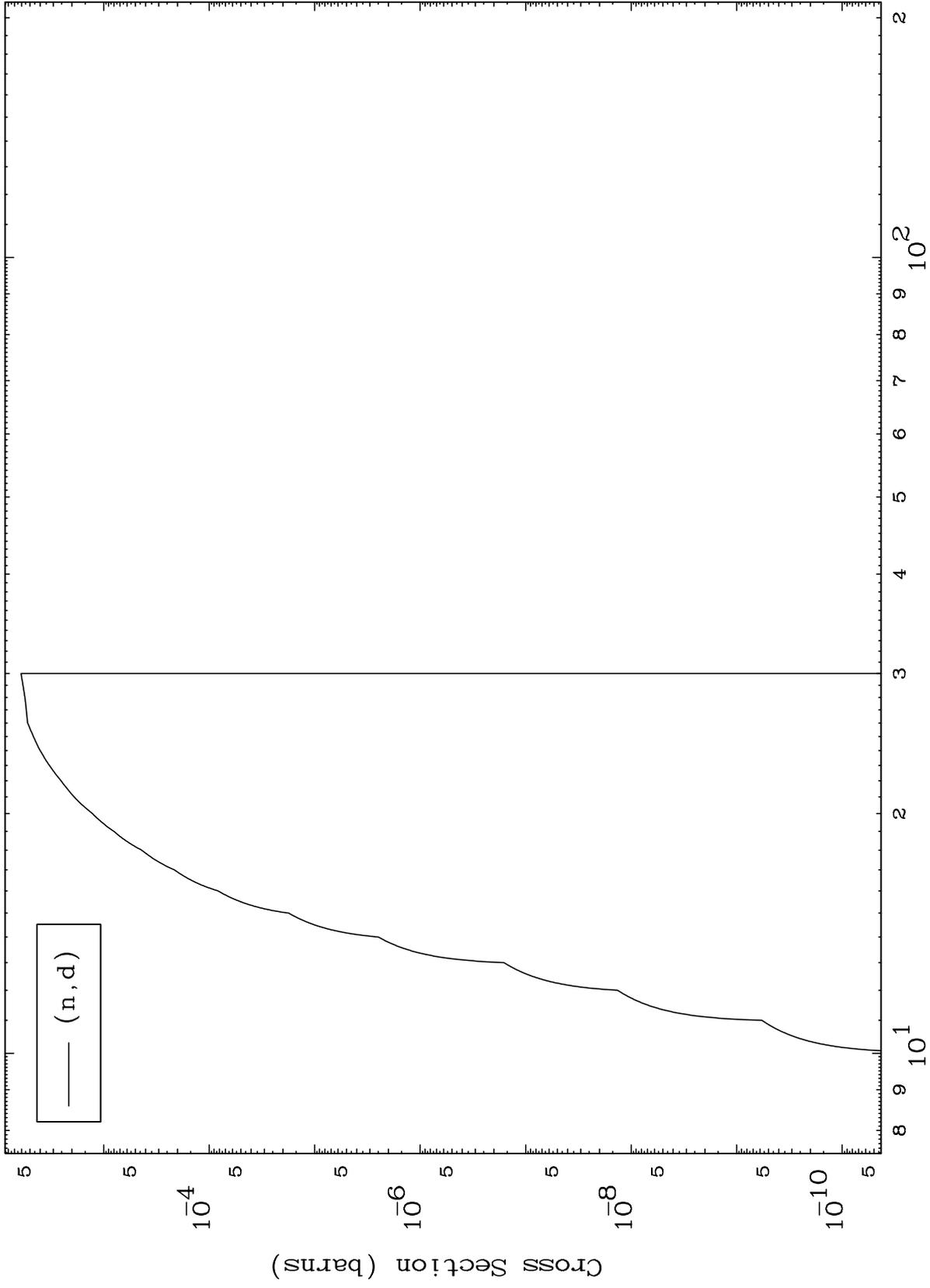
Incident Energy (MeV)

7

MAT 3452

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

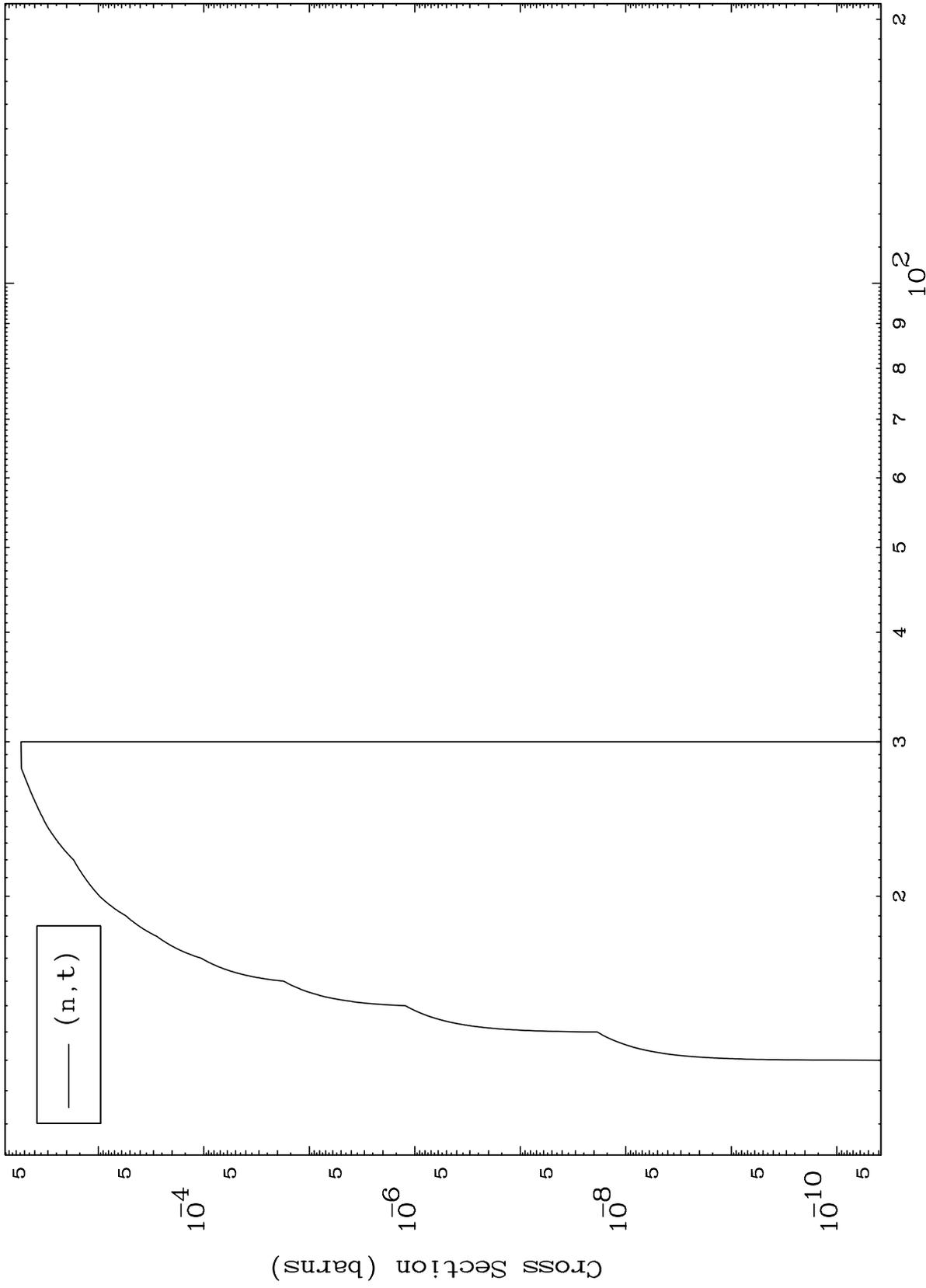
$^{34}\text{Se-83}$



8

Incident Energy (MeV)

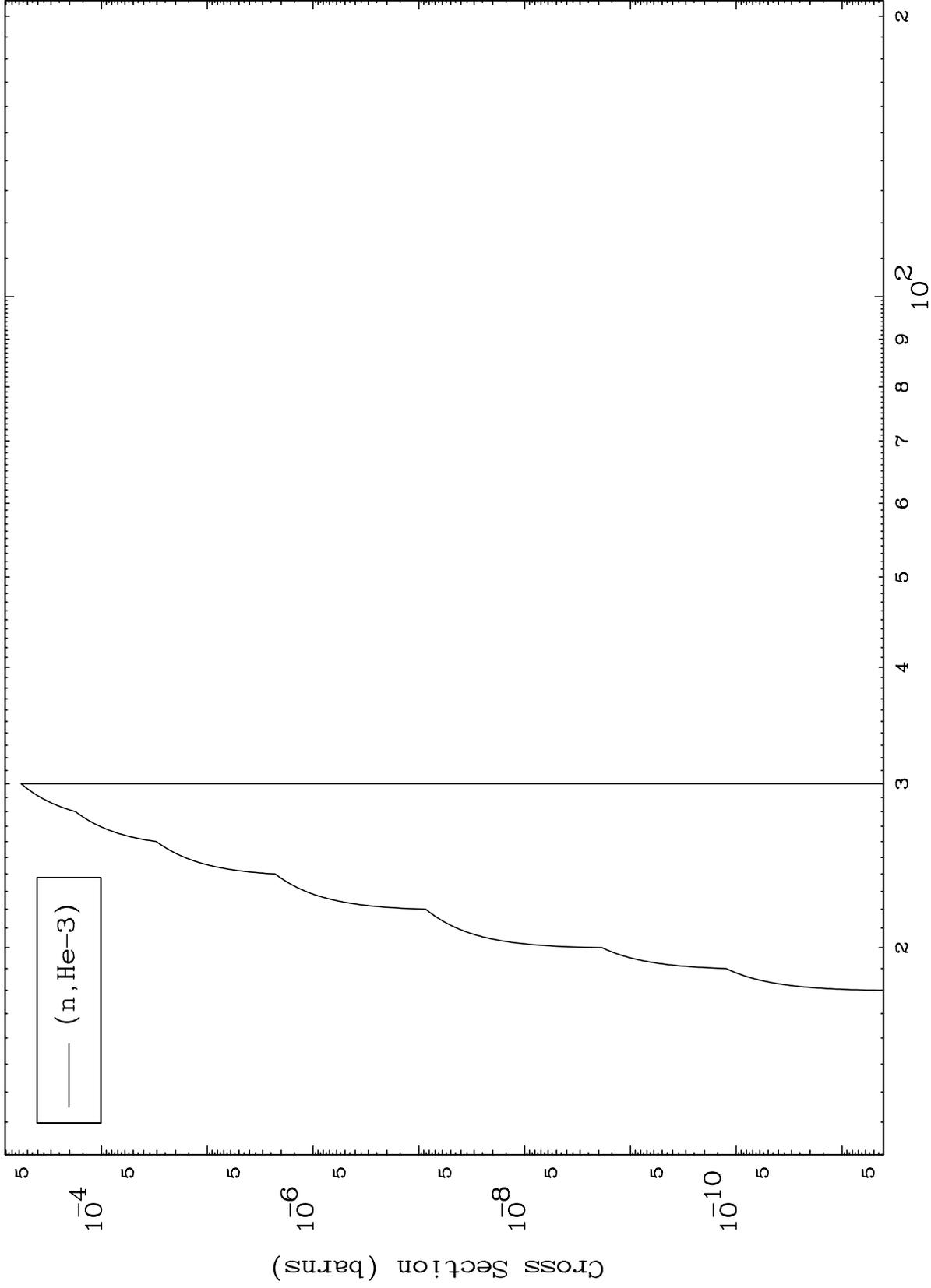
$^{34}\text{Se-83}$



MAT 3452

( $\alpha, \text{He}3$ ) Levels  
0 Kelvin Cross Sections

$^{34}\text{Se-83}$



10

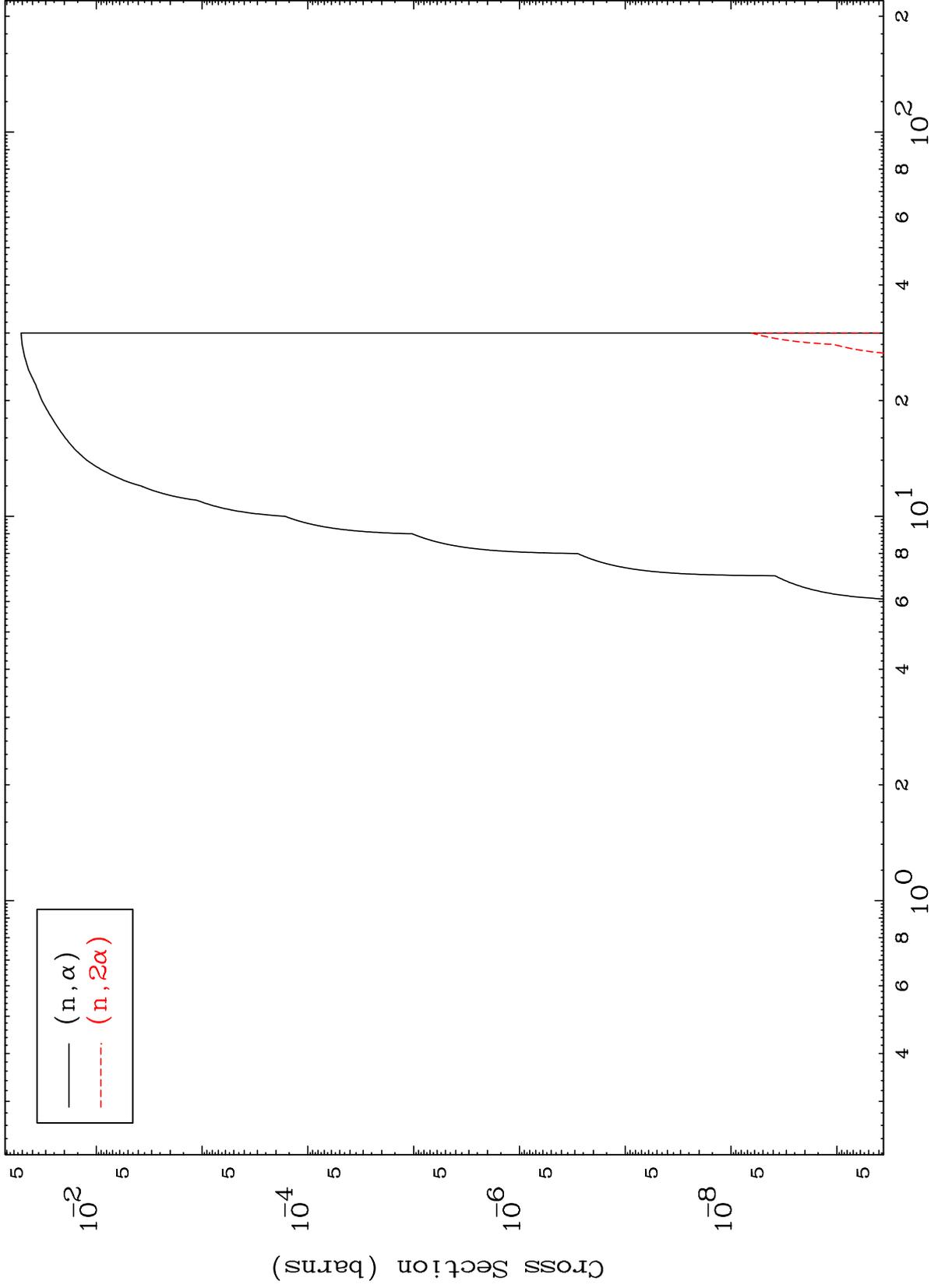
Incident Energy (MeV)

$^{34}\text{Se-83}$

MAT 3452

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

<sup>34</sup>Se-83



11

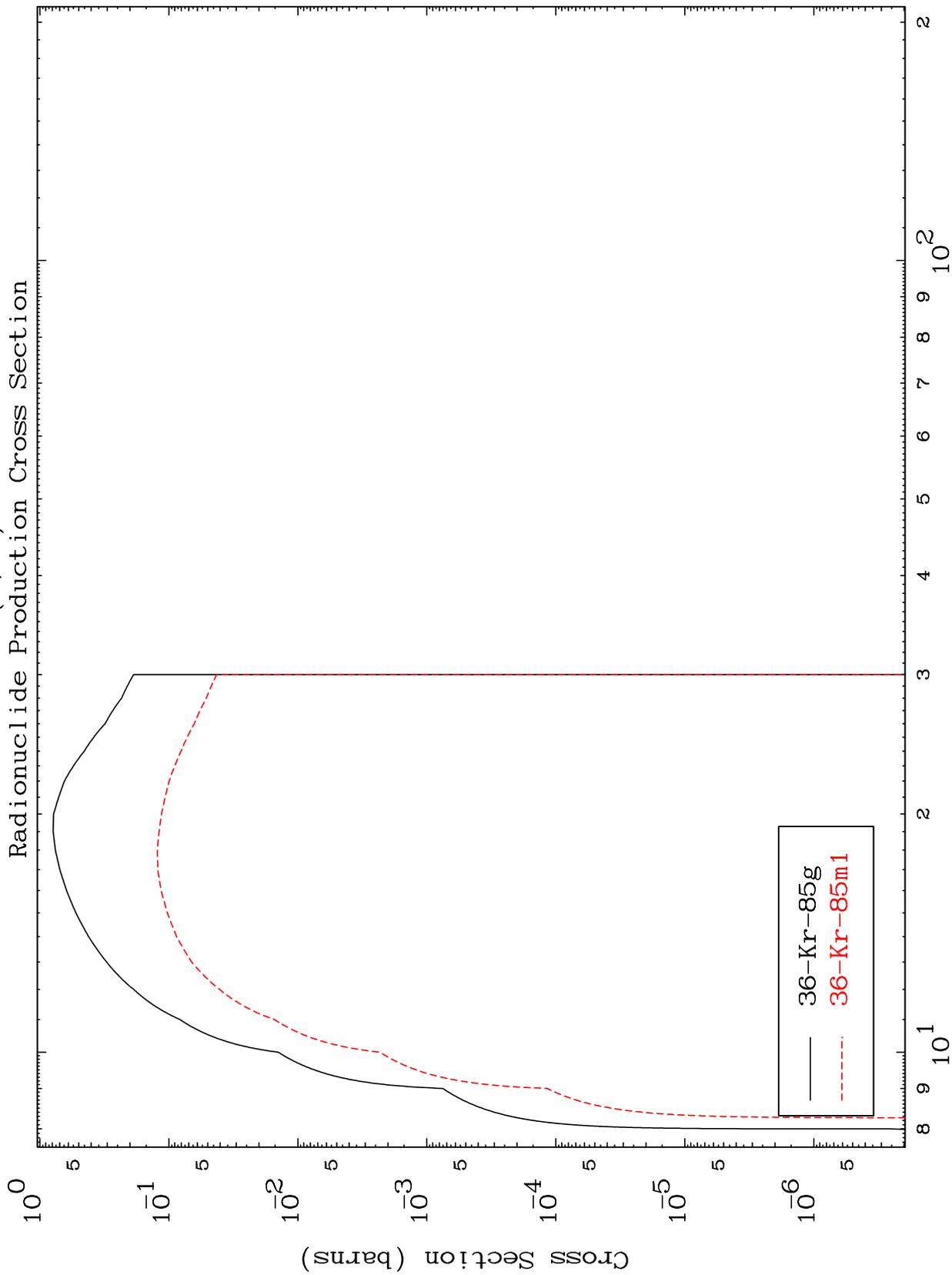
Incident Energy (MeV)

<sup>34</sup>Se-83

MAT 3452

34-Se-83

(n,2n)  
Radionuclide Production Cross Section



34-Se-83

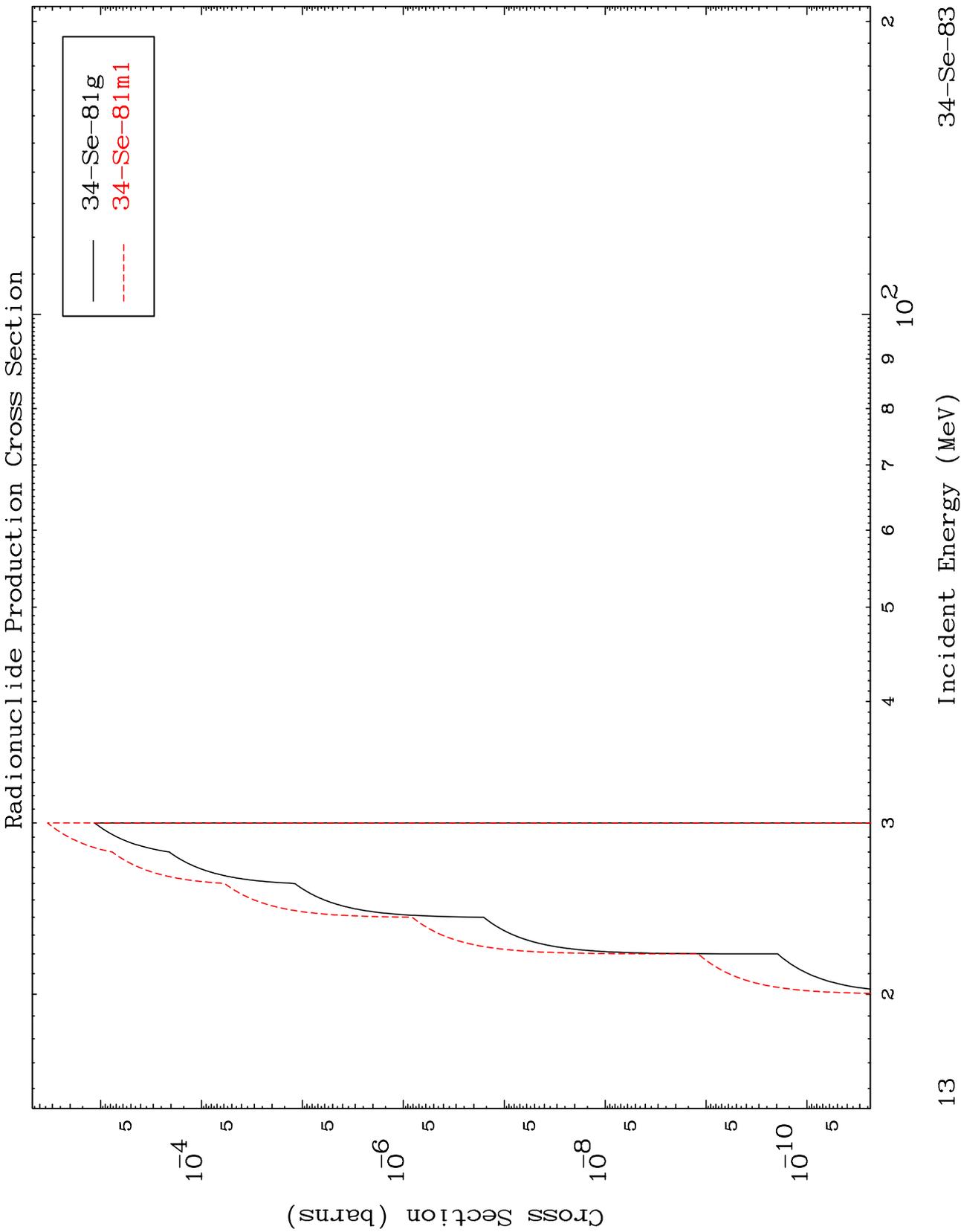
Incident Energy (MeV)

12

MAT 3452

(n,2n)  $\alpha$

<sup>34</sup>Se-83

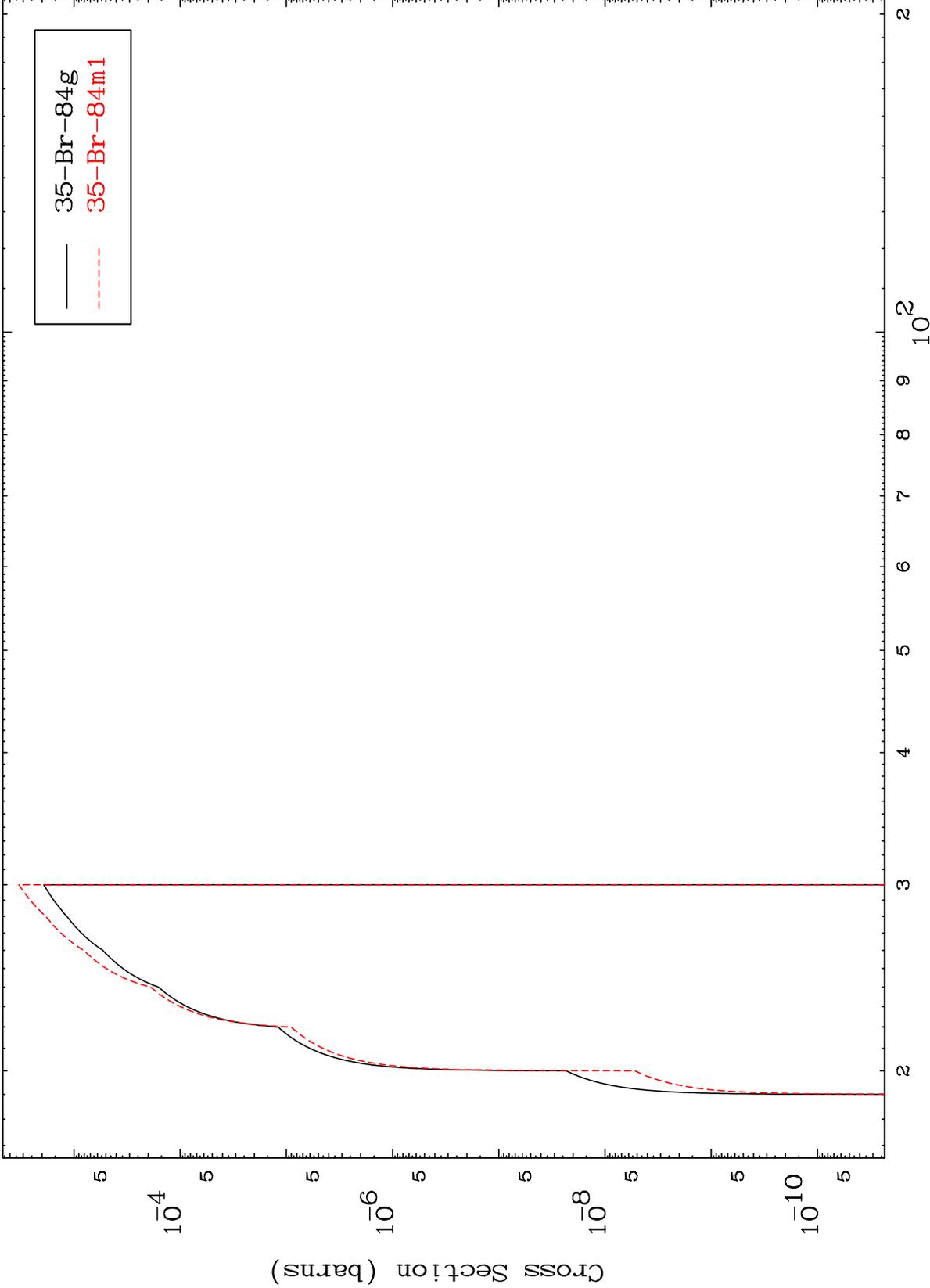


13

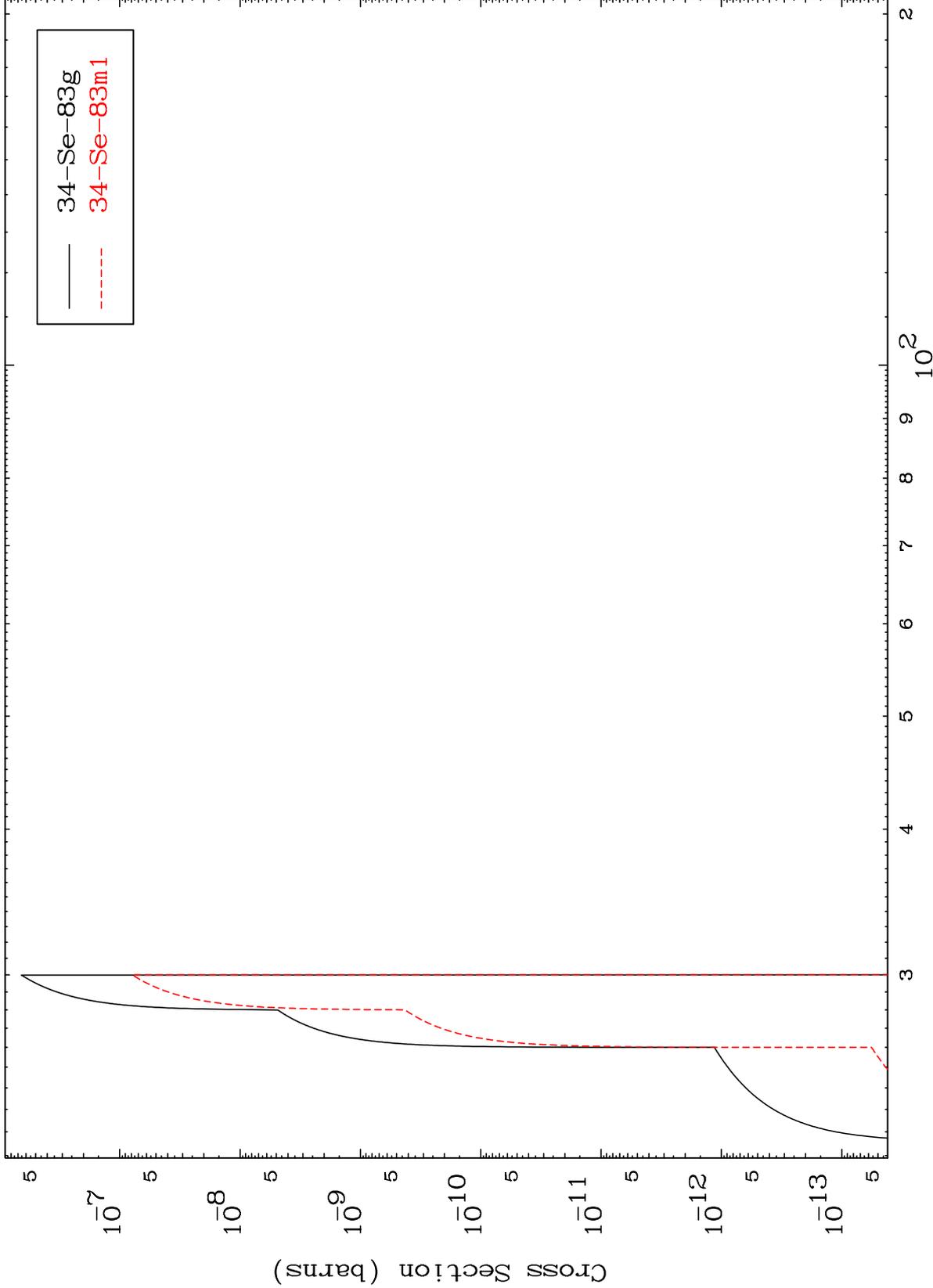
Incident Energy (MeV)

<sup>34</sup>Se-83

Radionuclide Production Cross Section



Radionuclide Production Cross Section

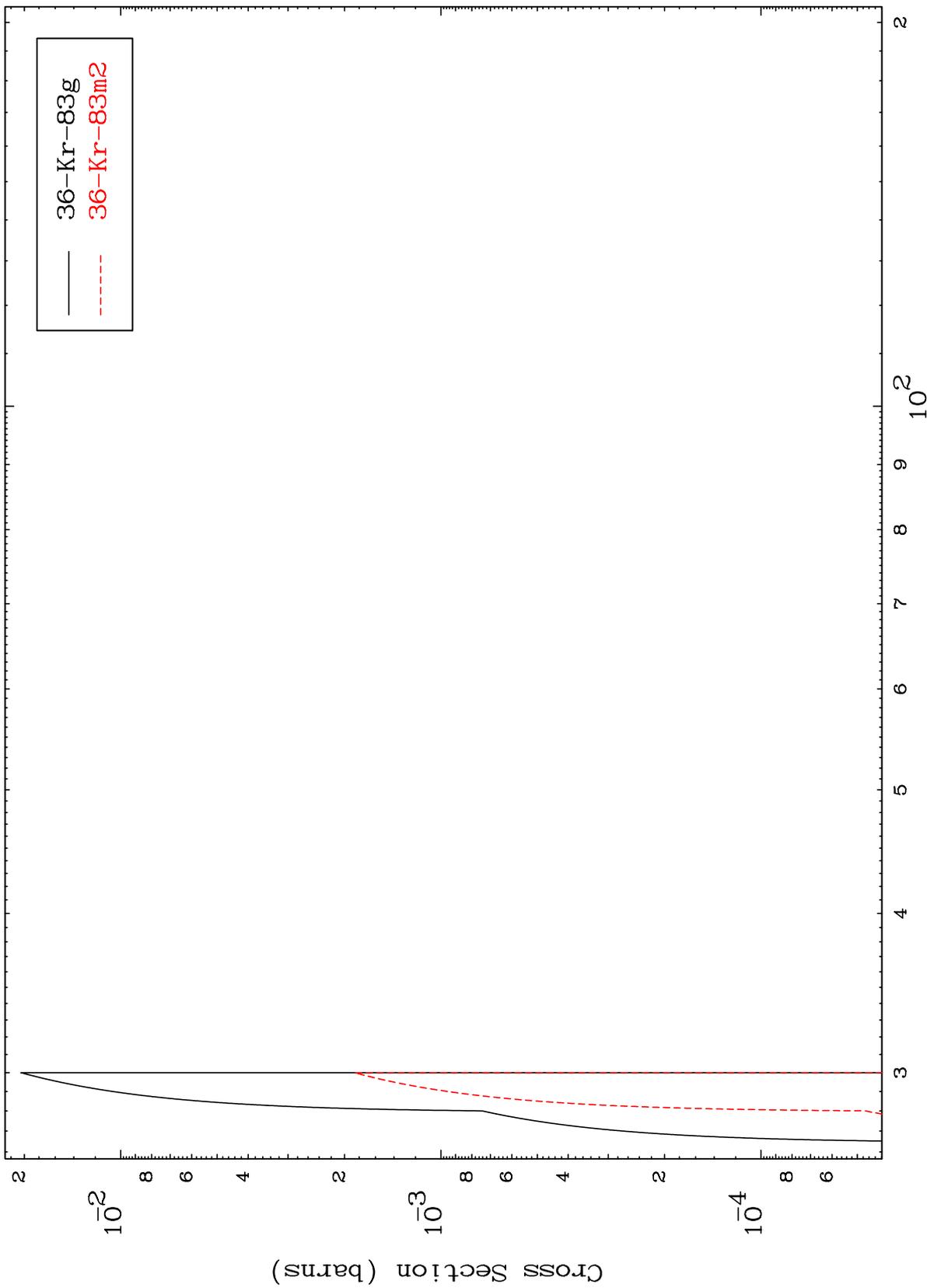


34-Se-83g  
34-Se-83m1

MAT 3452

<sup>34</sup>Se-83

(n,4n)  
Radionuclide Production Cross Section



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

<sup>34</sup>Se-83

Incident Energy (MeV)

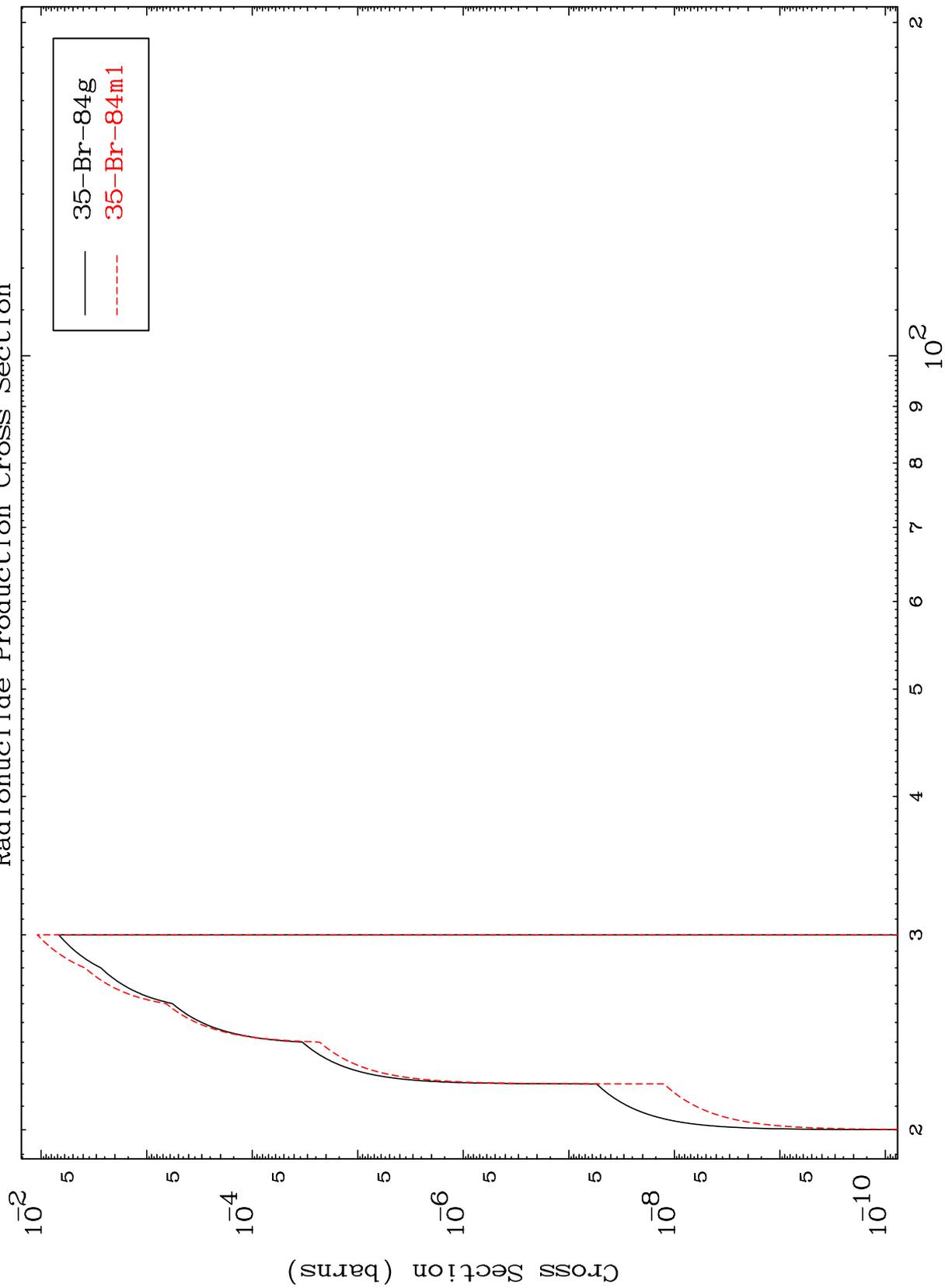
16

MAT 3452

(n,2n) p

34-Se-83

Radionuclide Production Cross Section

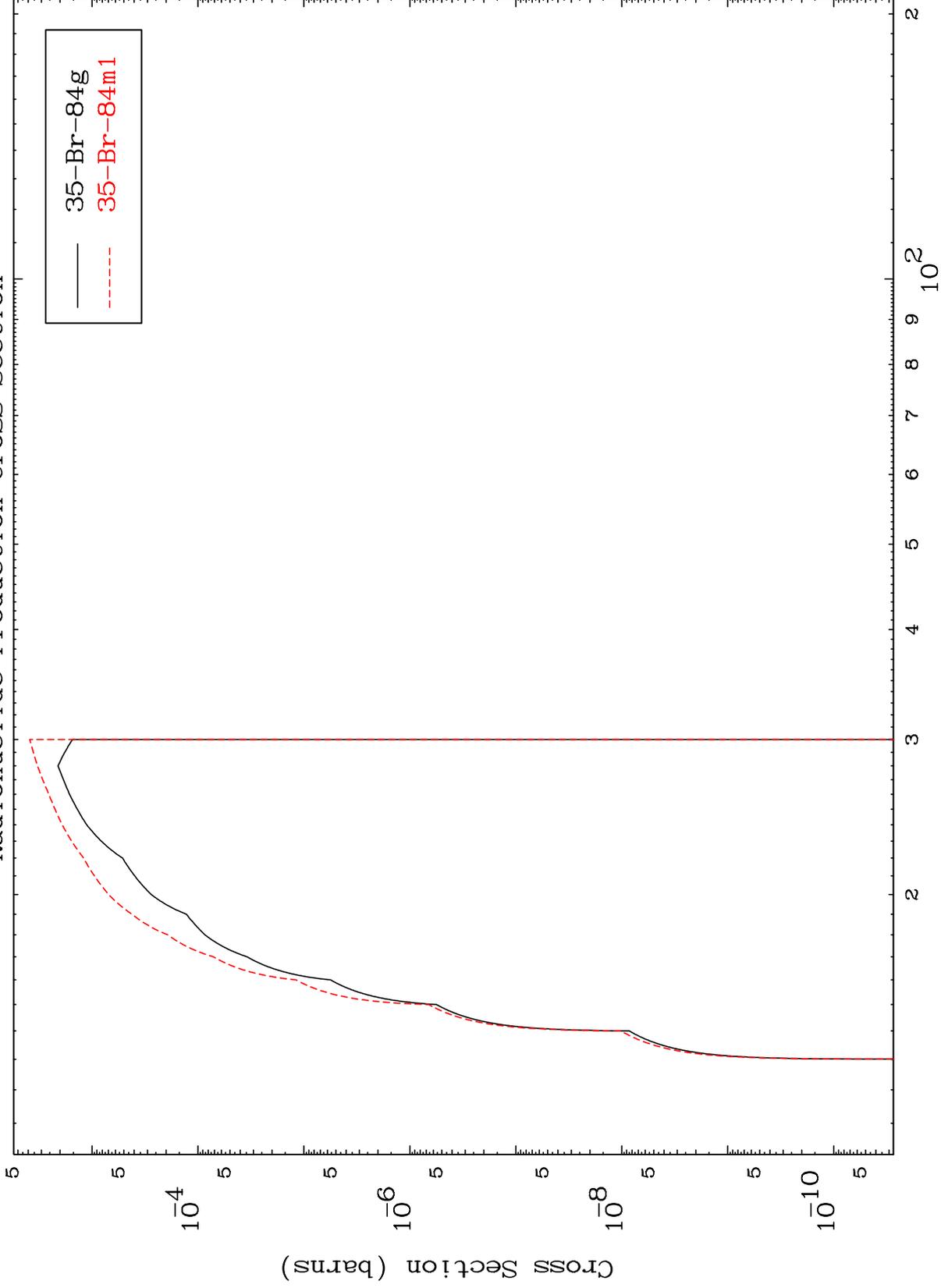


17

Incident Energy (MeV)

34-Se-83

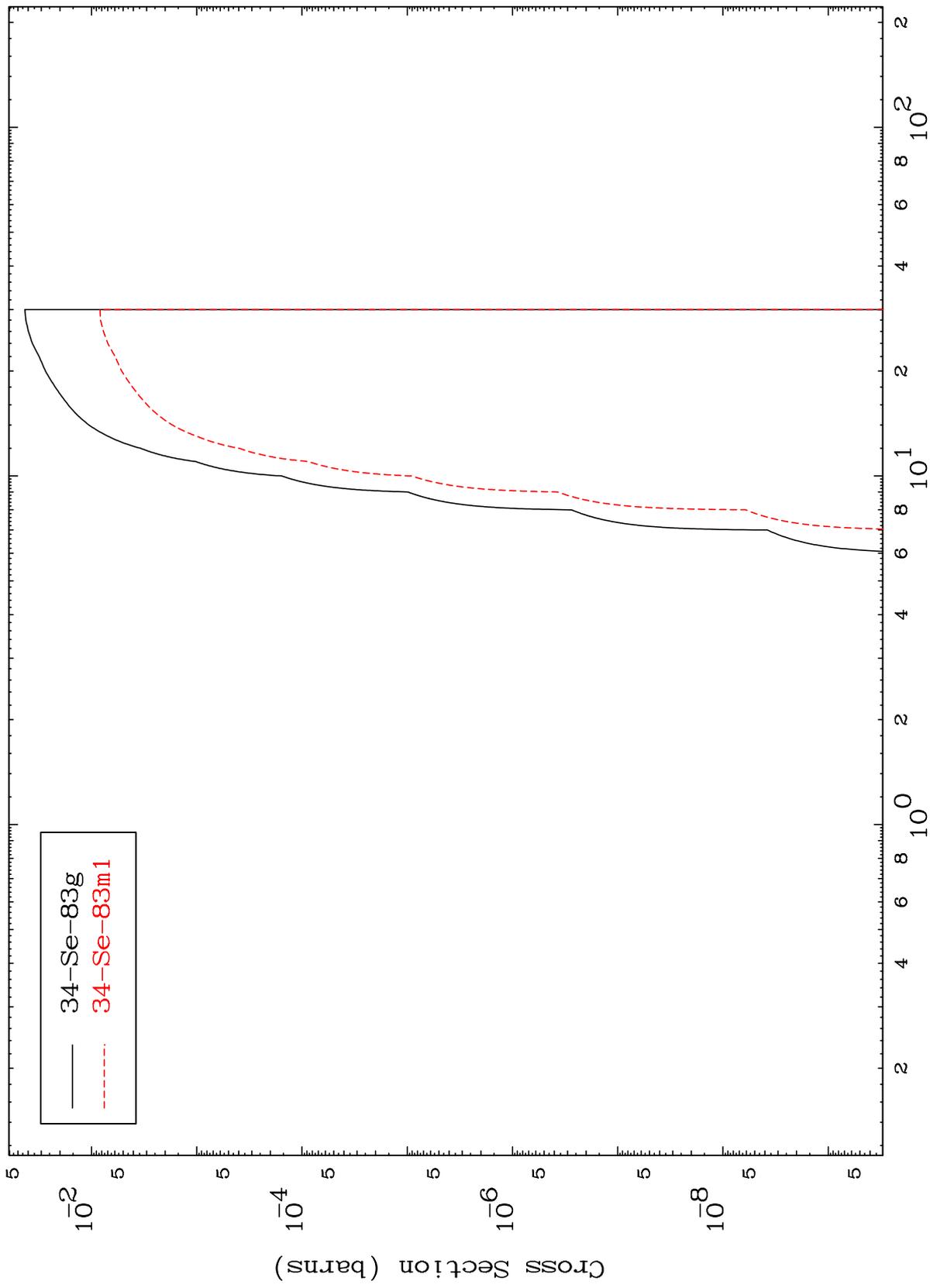
(n, t)  
Radionuclide Production Cross Section



MAT 3452

<sup>34</sup>Se-83

Radionuclide Production Cross Section  
(n, α)



<sup>34</sup>Se-83

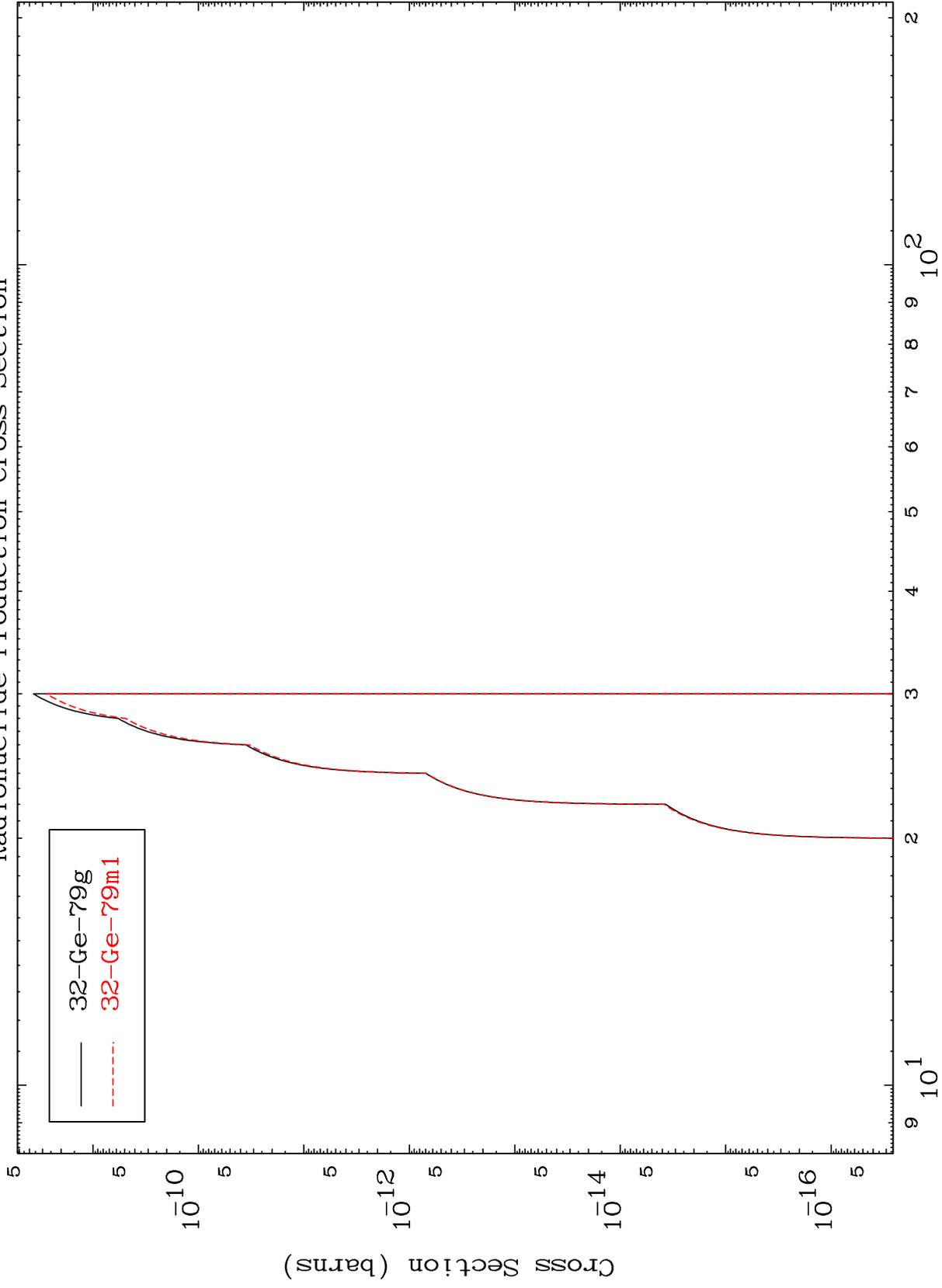
Incident Energy (MeV)

19

MAT 3452

34-<sup>Se</sup>-83

(n,2α)  
Radionuclide Production Cross Section



34-<sup>Se</sup>-83

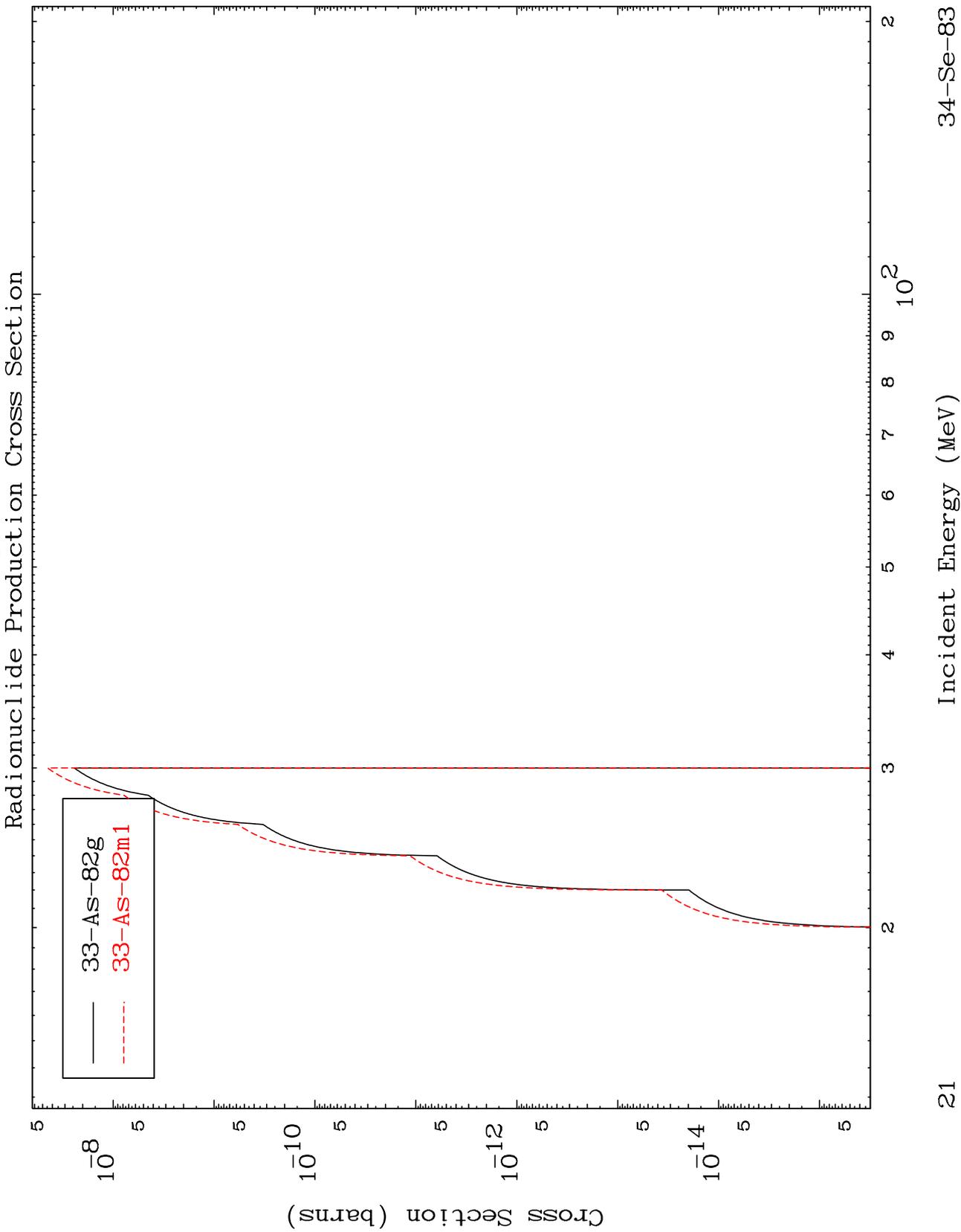
Incident Energy (MeV)

20

MAT 3452

(n,p)  $\alpha$

<sup>34</sup>Se-83



Radionuclide Production Cross Section

