

Program EVALPLOT  
(Version 2021-1)

by

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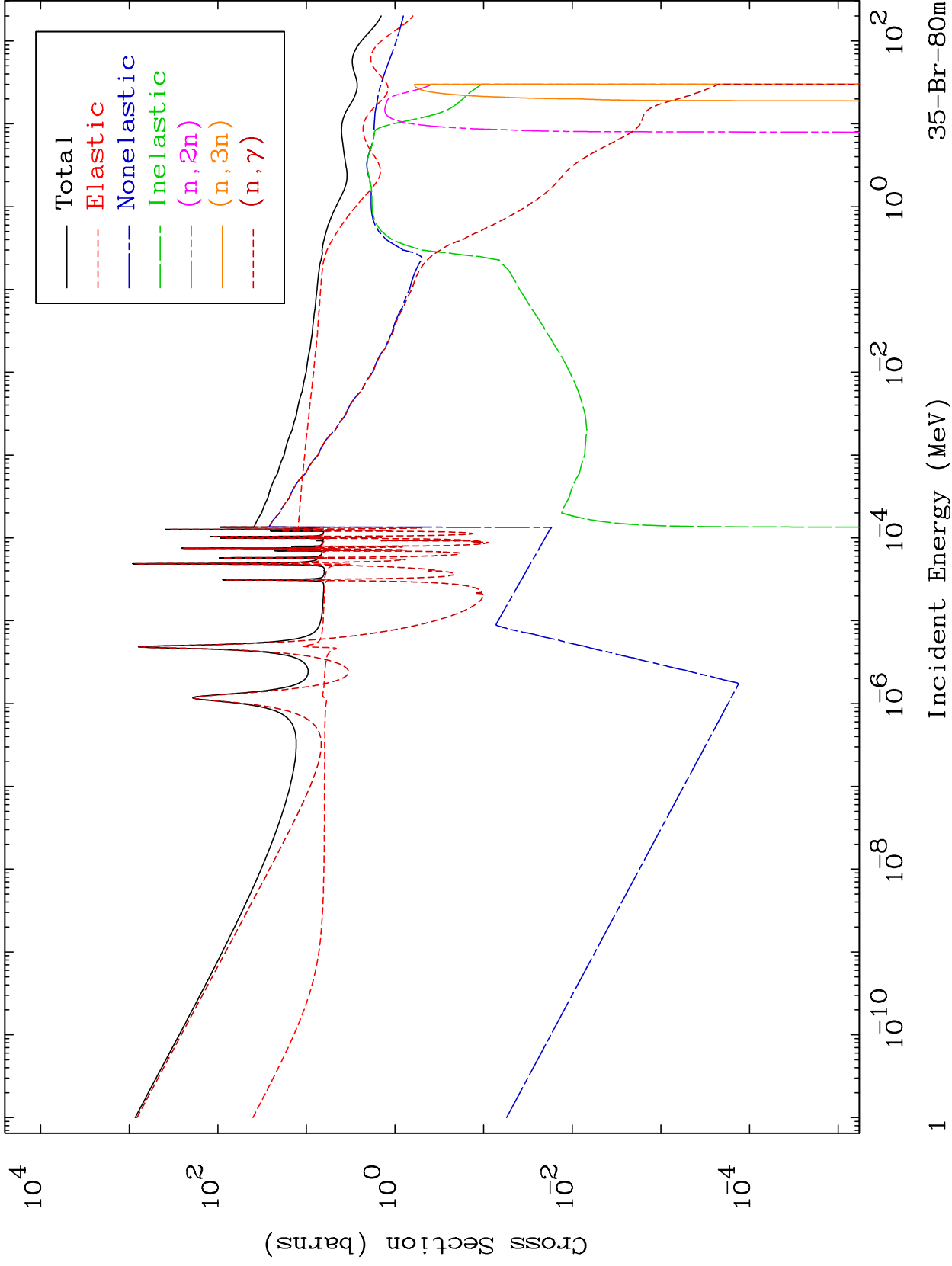
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3529

Neutron Major  
293 Kelvin Cross Sections

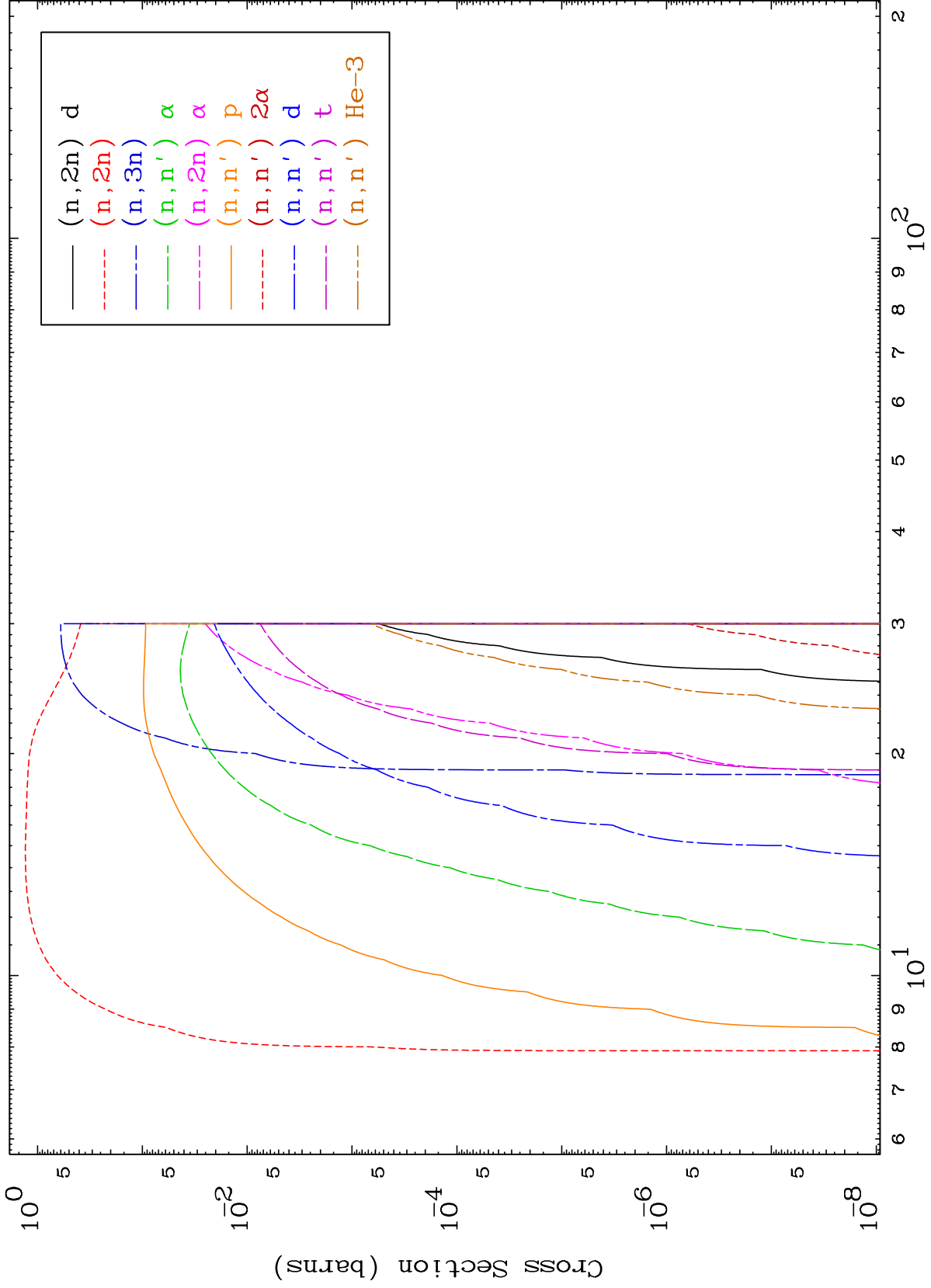
35-Br-80m



MAT 3529

Neutron Absorption  
293 Kelvin Cross Sections

35-Br-80m



2

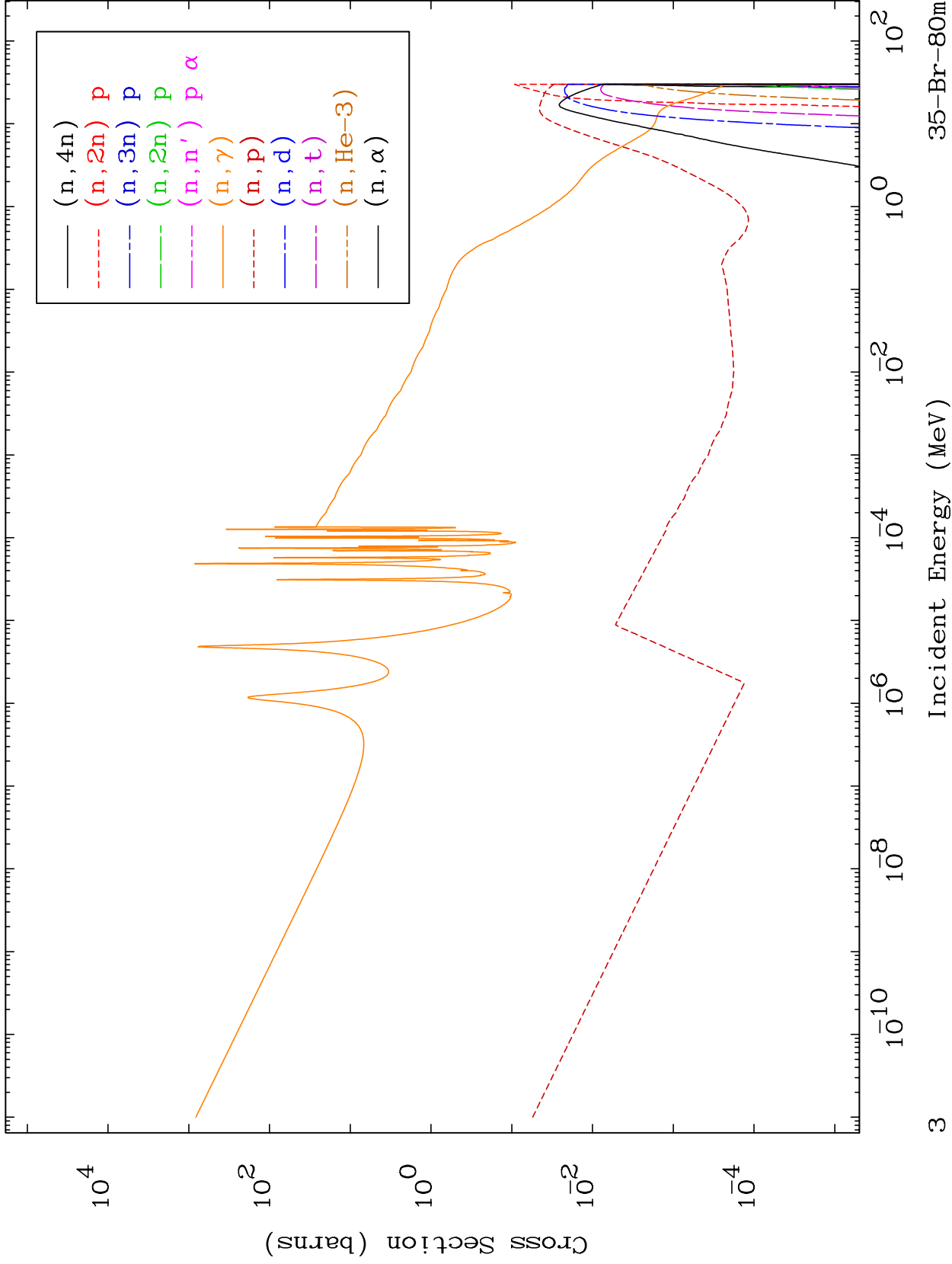
Incident Energy (MeV)

35-Br-80m

MAT 3529

Neutron Absorption  
293 Kelvin Cross Sections

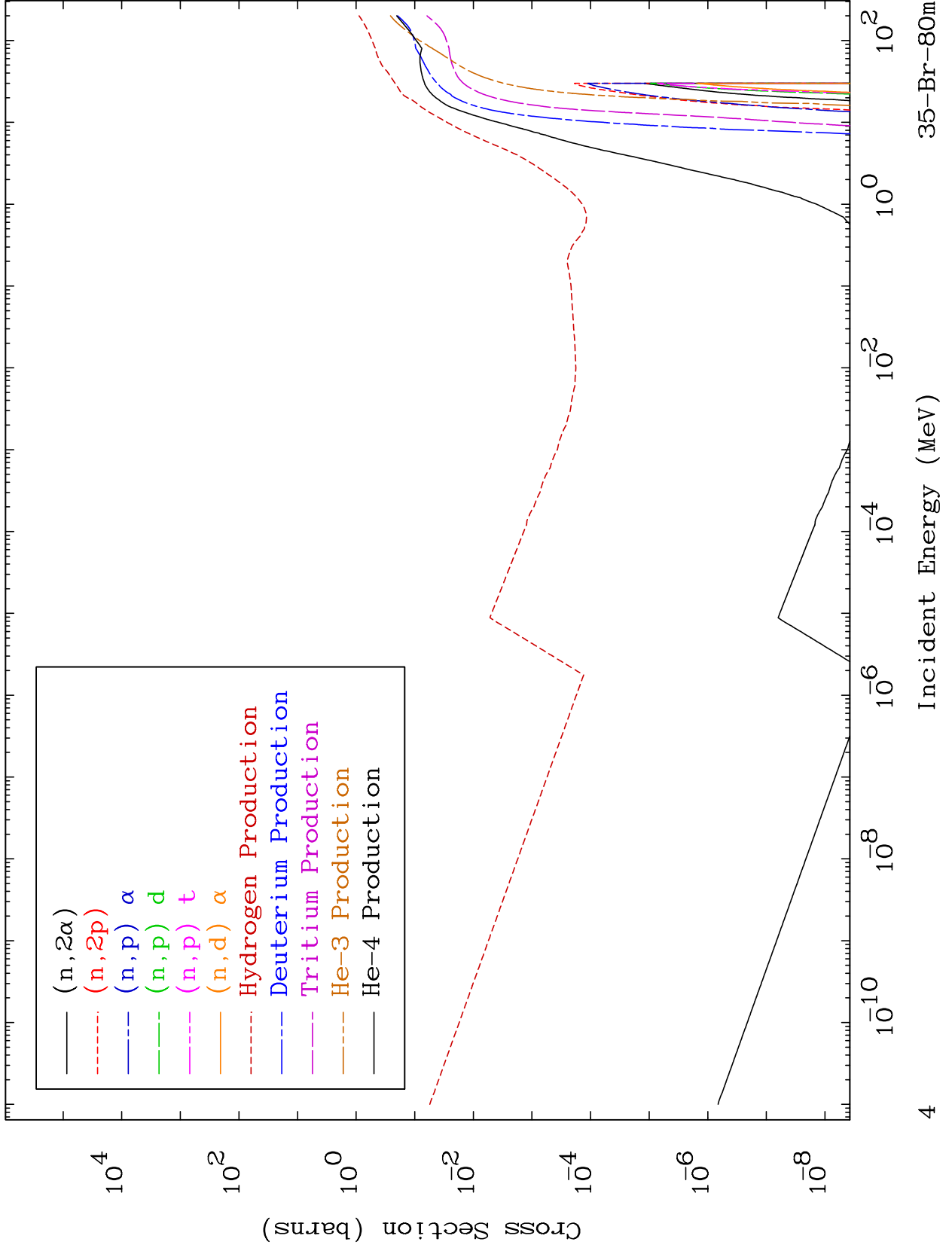
35-Br-80m



MAT 3529

Neutron Absorption  
293 Kelvin Cross Sections

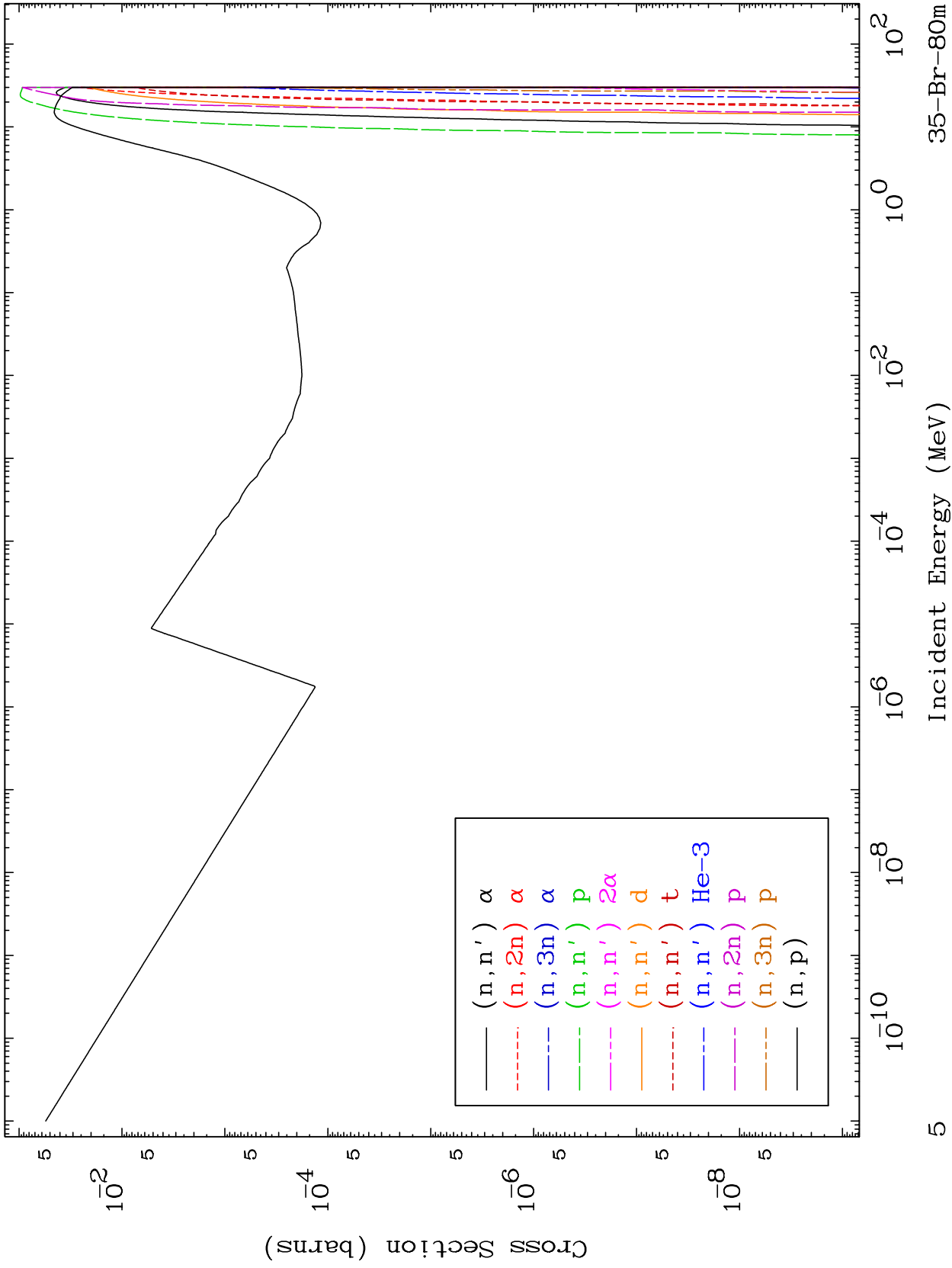
35-Br-80m



MAT 3529

Charged Particle  
293 Kelvin Cross Sections

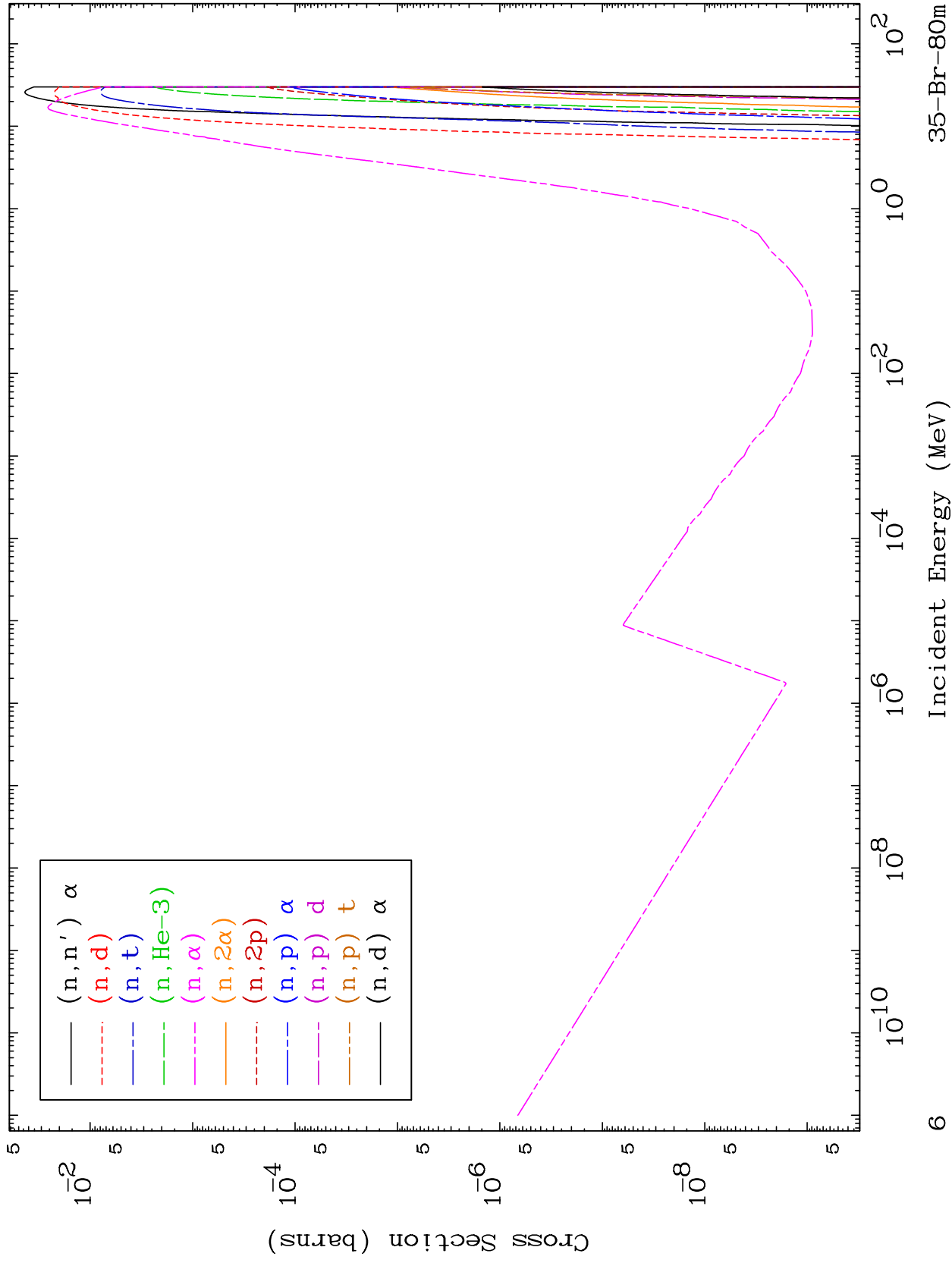
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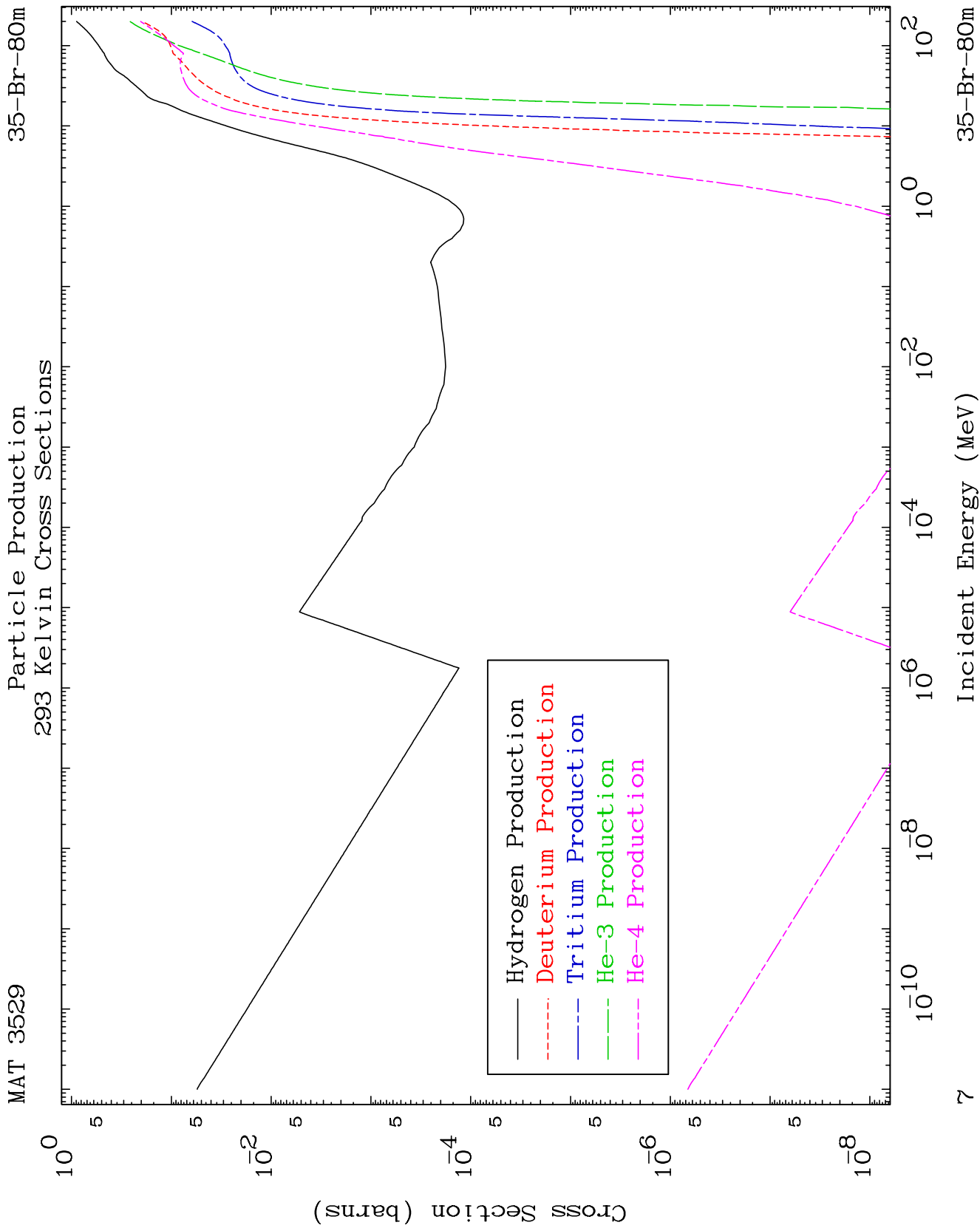


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Charged Particle  
293 Kelvin Cross Sections

35-Br-80m



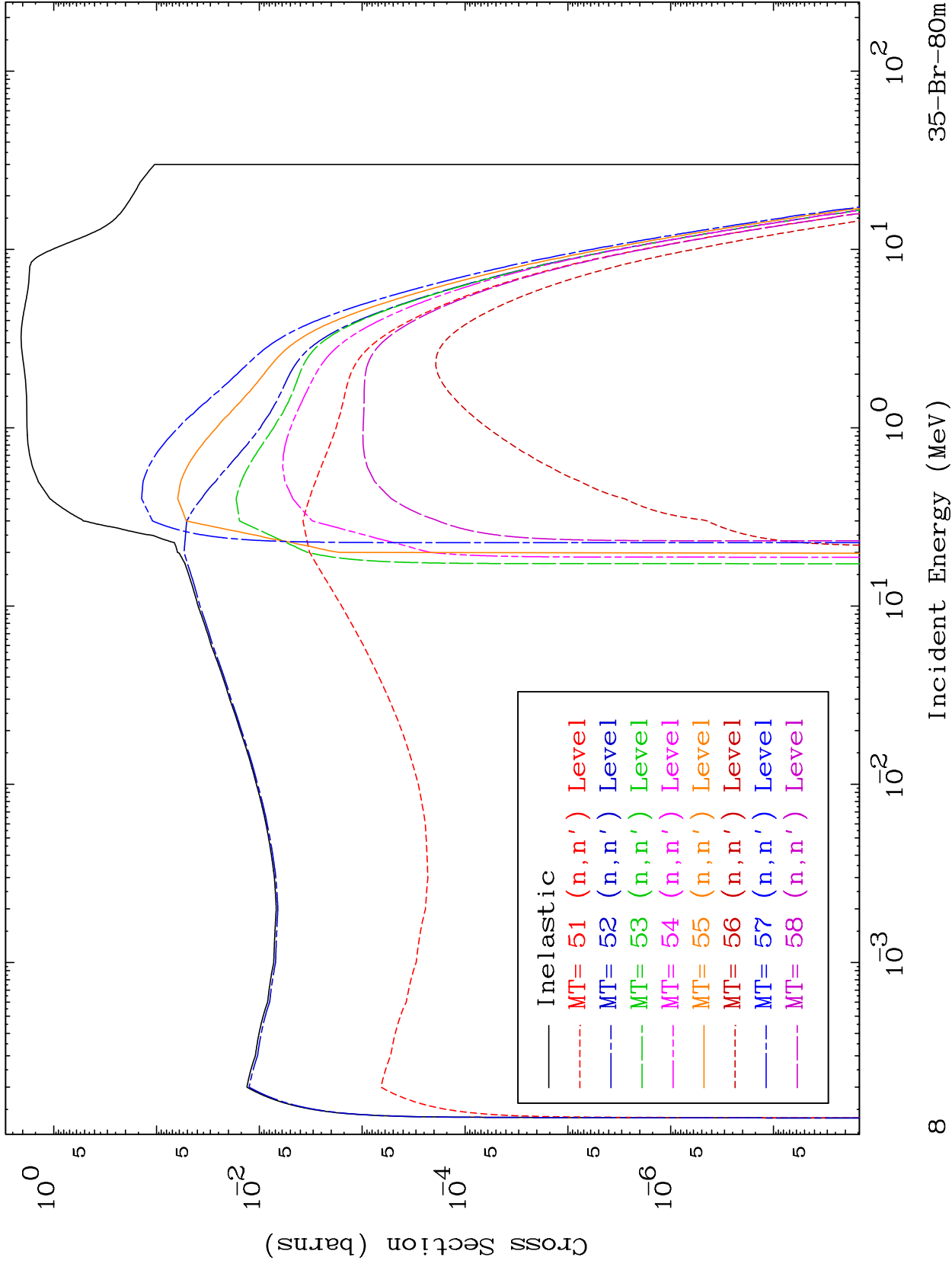




MAT 3529

(n,n') Levels  
293 Kelvin Cross Sections

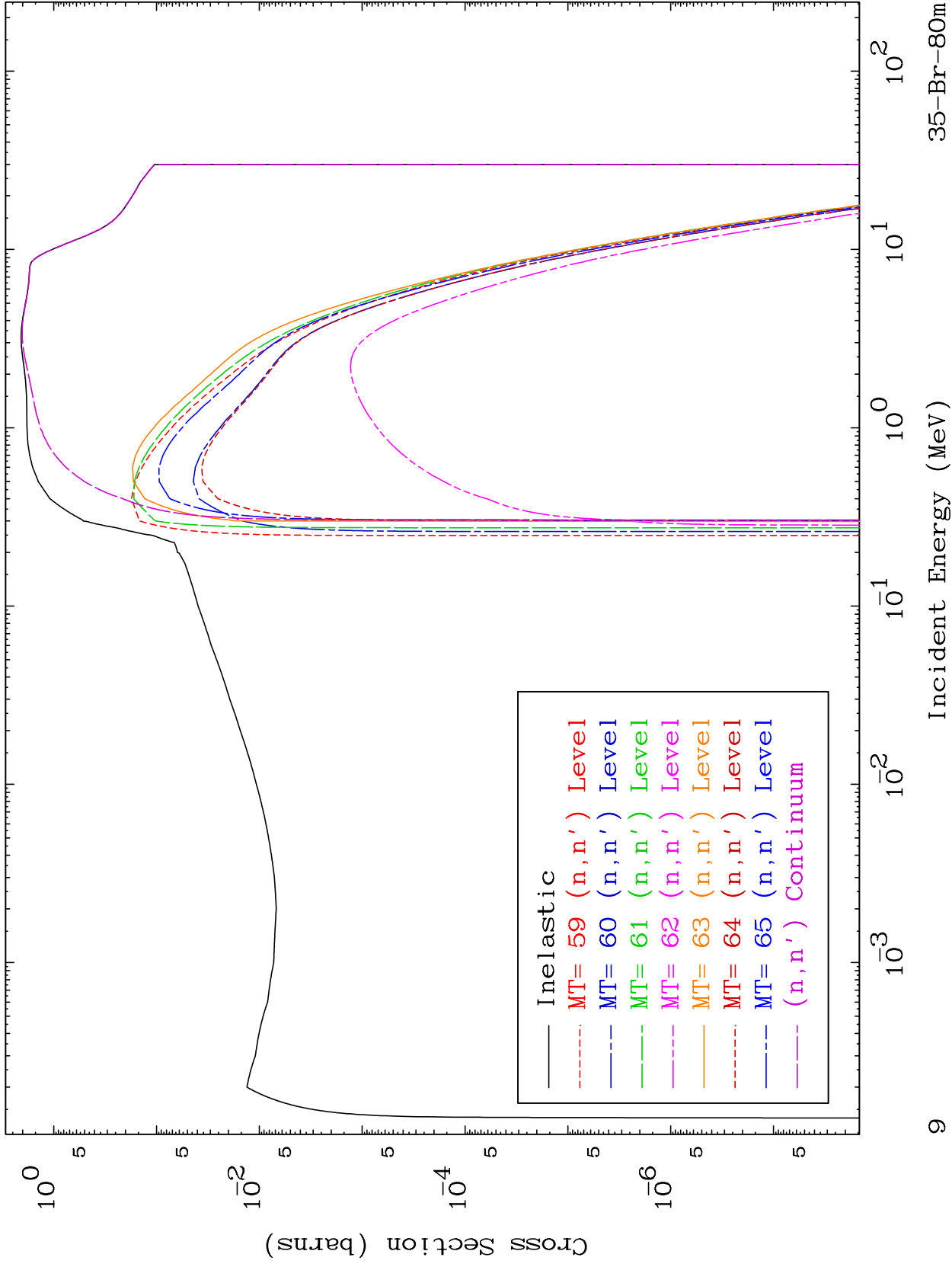
35-Br-80m



MAT 3529

(n,n') Levels  
293 Kelvin Cross Sections

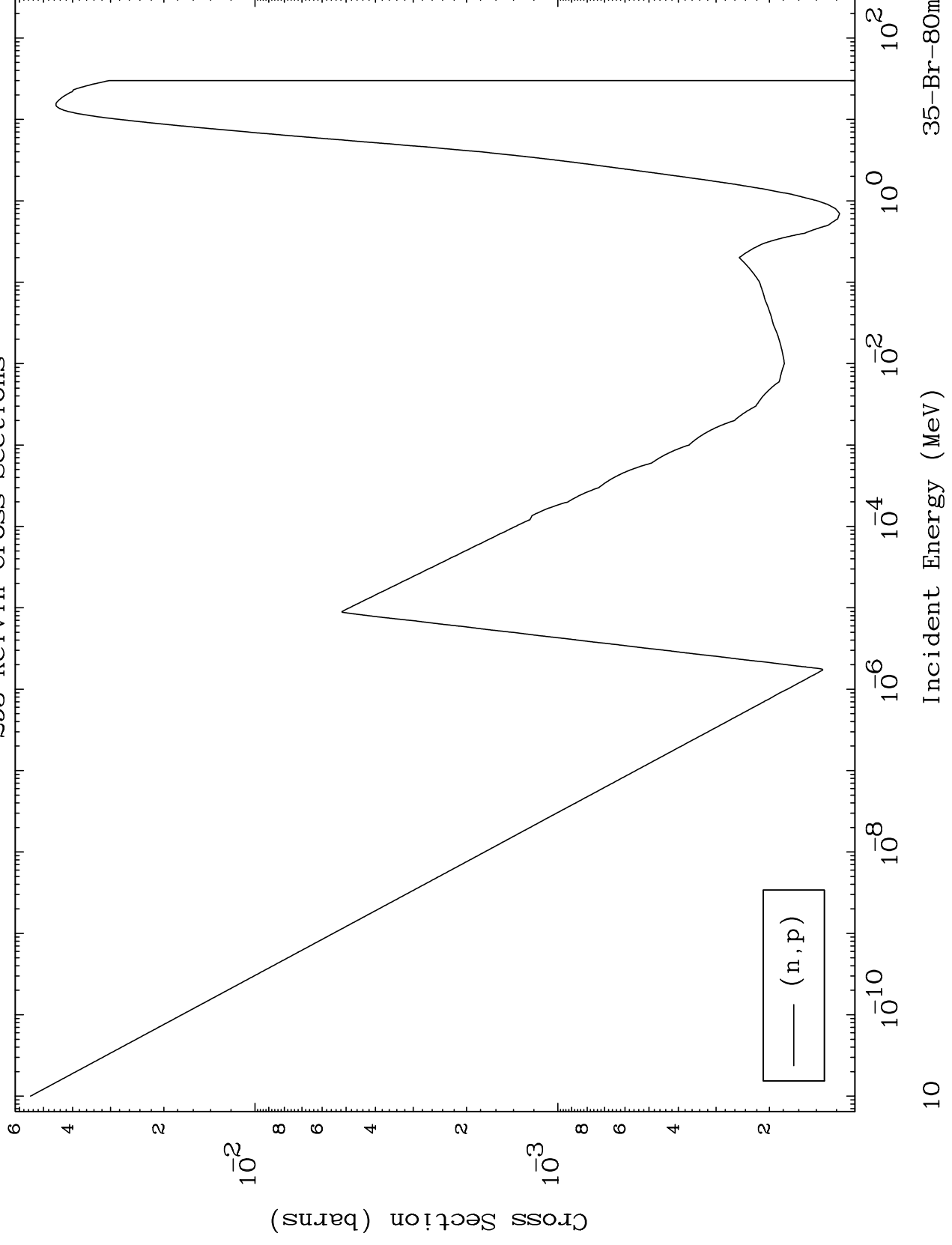
35-Br-80m



MAT 3529

(n,p) Levels  
293 Kelvin Cross Sections

35-Br-80m



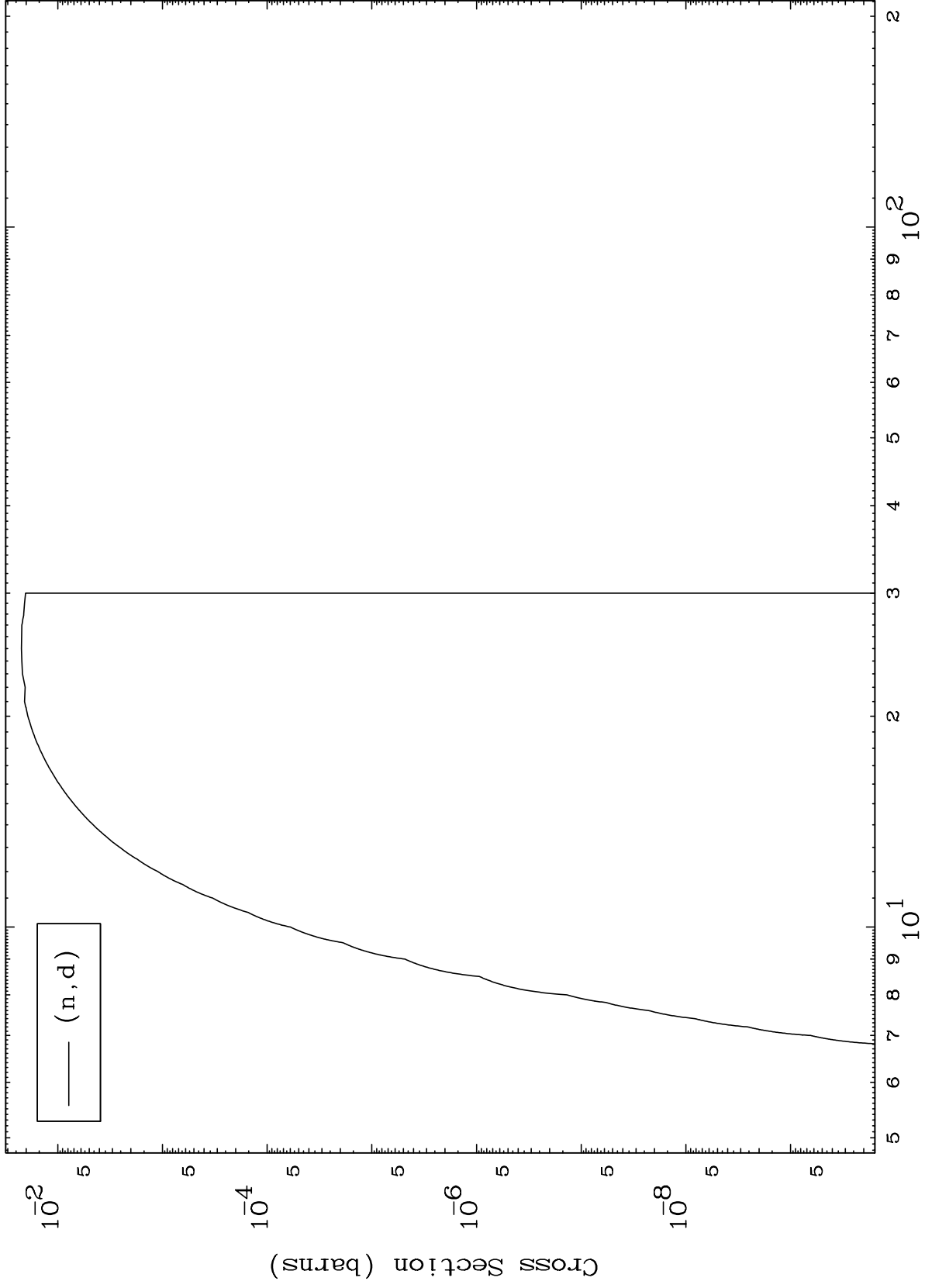
10

35-Br-80m

MAT 3529

(n,d) Levels  
293 Kelvin Cross Sections

35-Br-80m



11

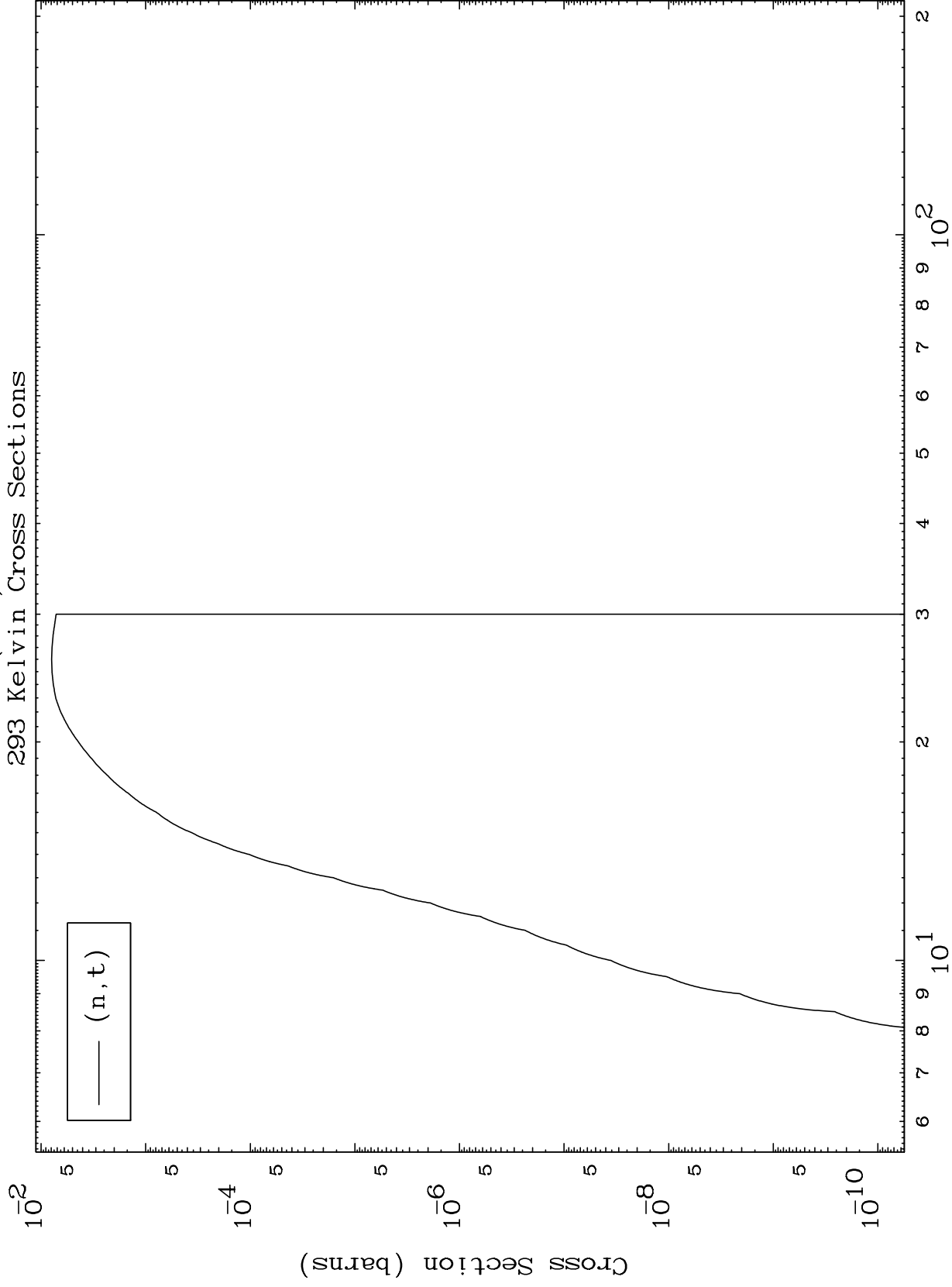
Incident Energy (MeV)

35-Br-80m

MAT 3529

(n,t) Levels  
293 Kelvin Cross Sections

35-Br-80m



12

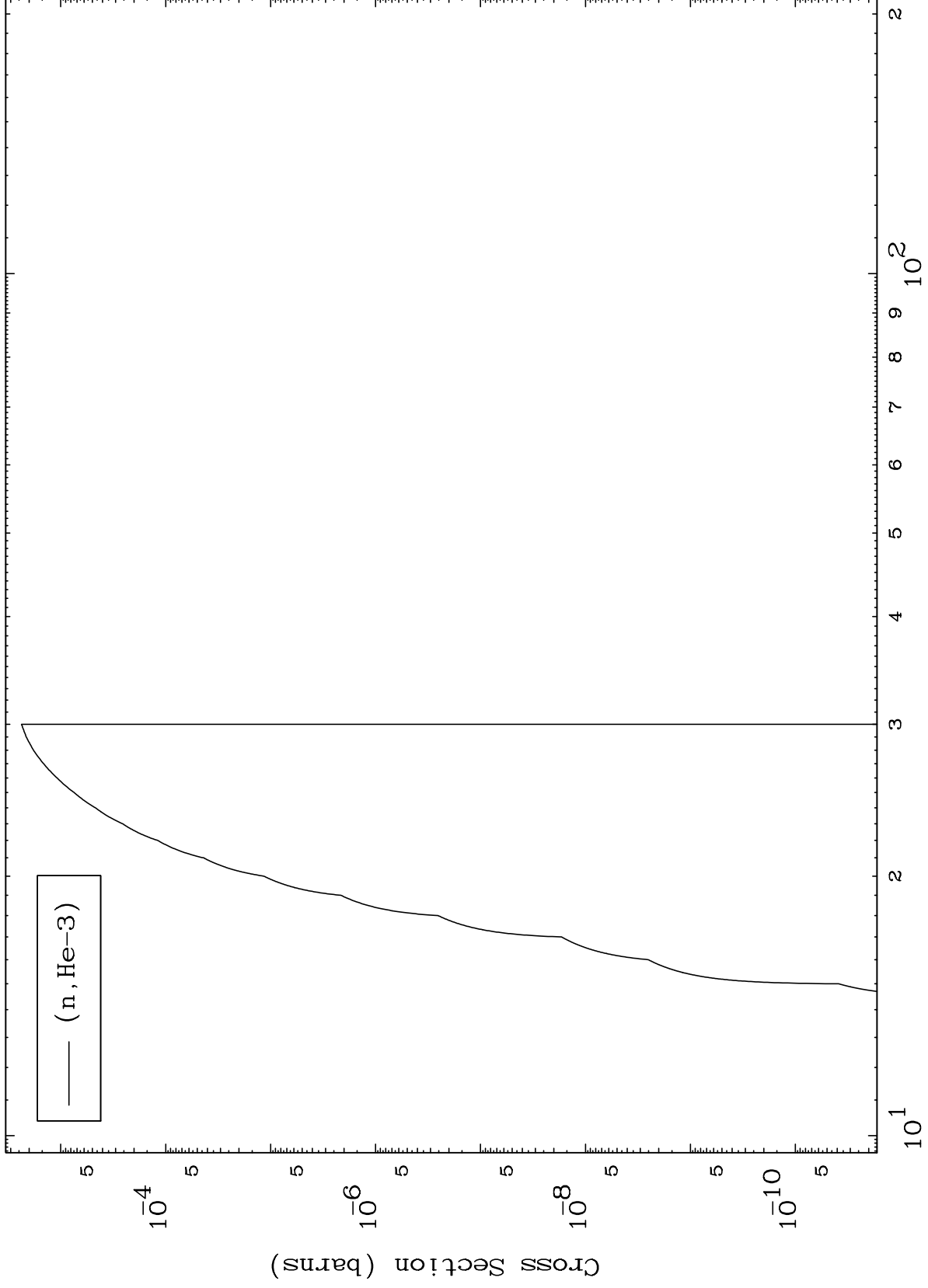
Incident Energy (MeV)

35-Br-80m

MAT 3529

(n,He3) Levels  
293 Kelvin Cross Sections

35-Br-80m



13

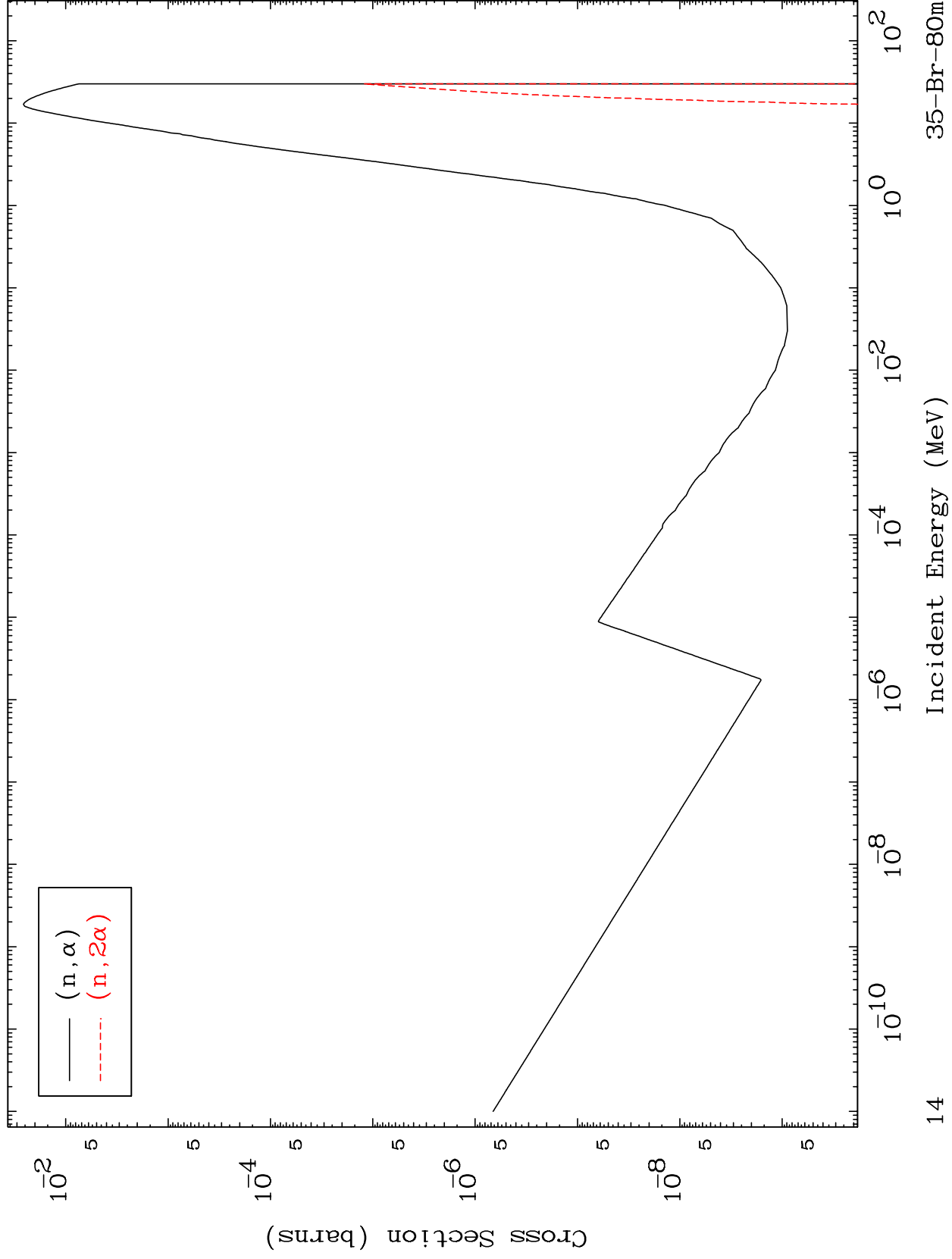
Incident Energy (MeV)

35-Br-80m

MAT 3529

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

35-Br-80m



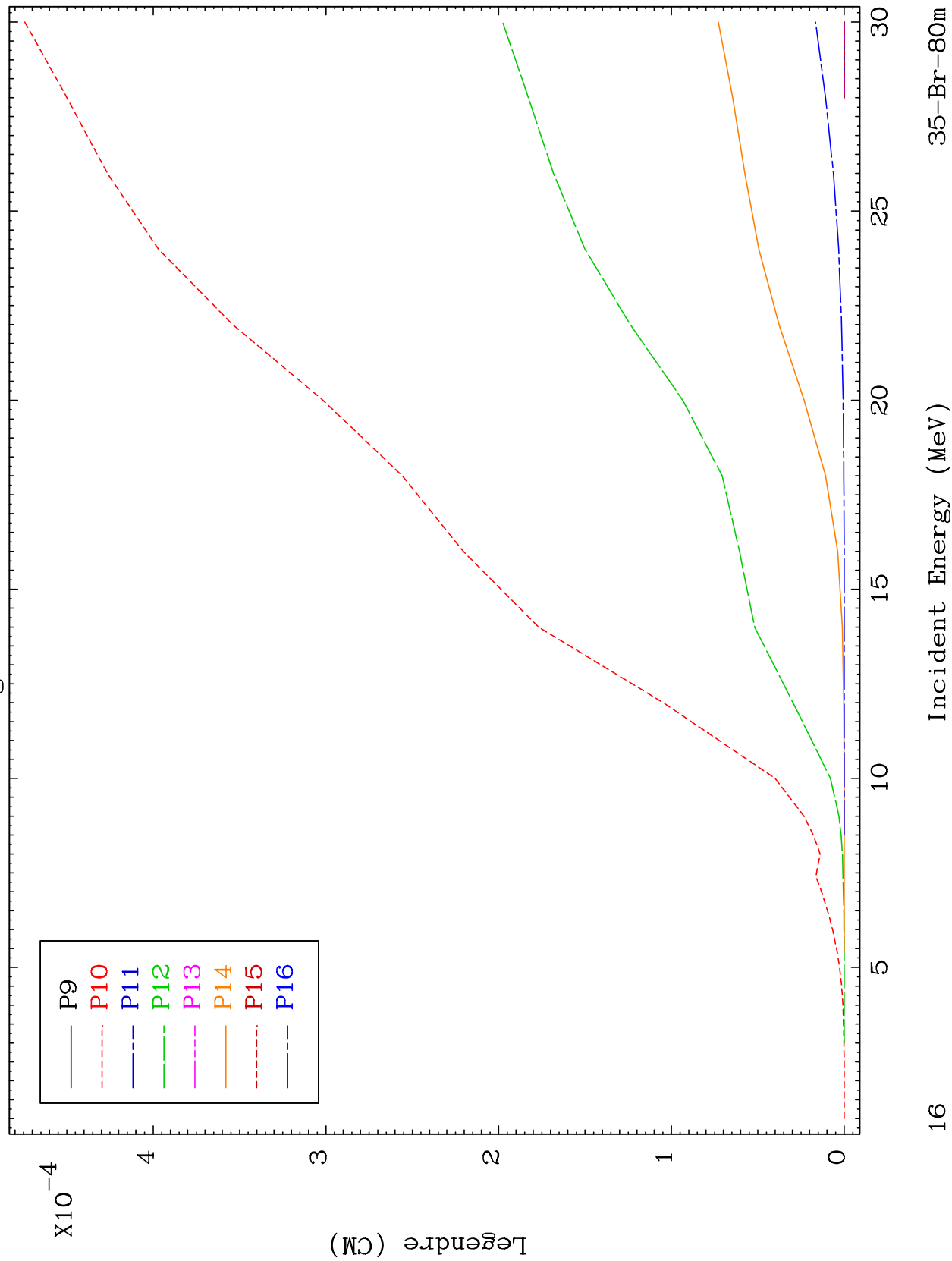




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Elastic Legendre Coefficients

35-Br-80m



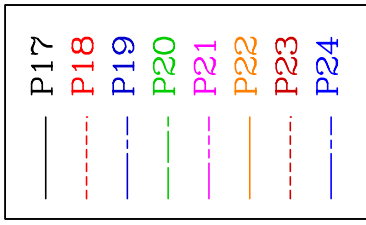
16

35-Br-80m

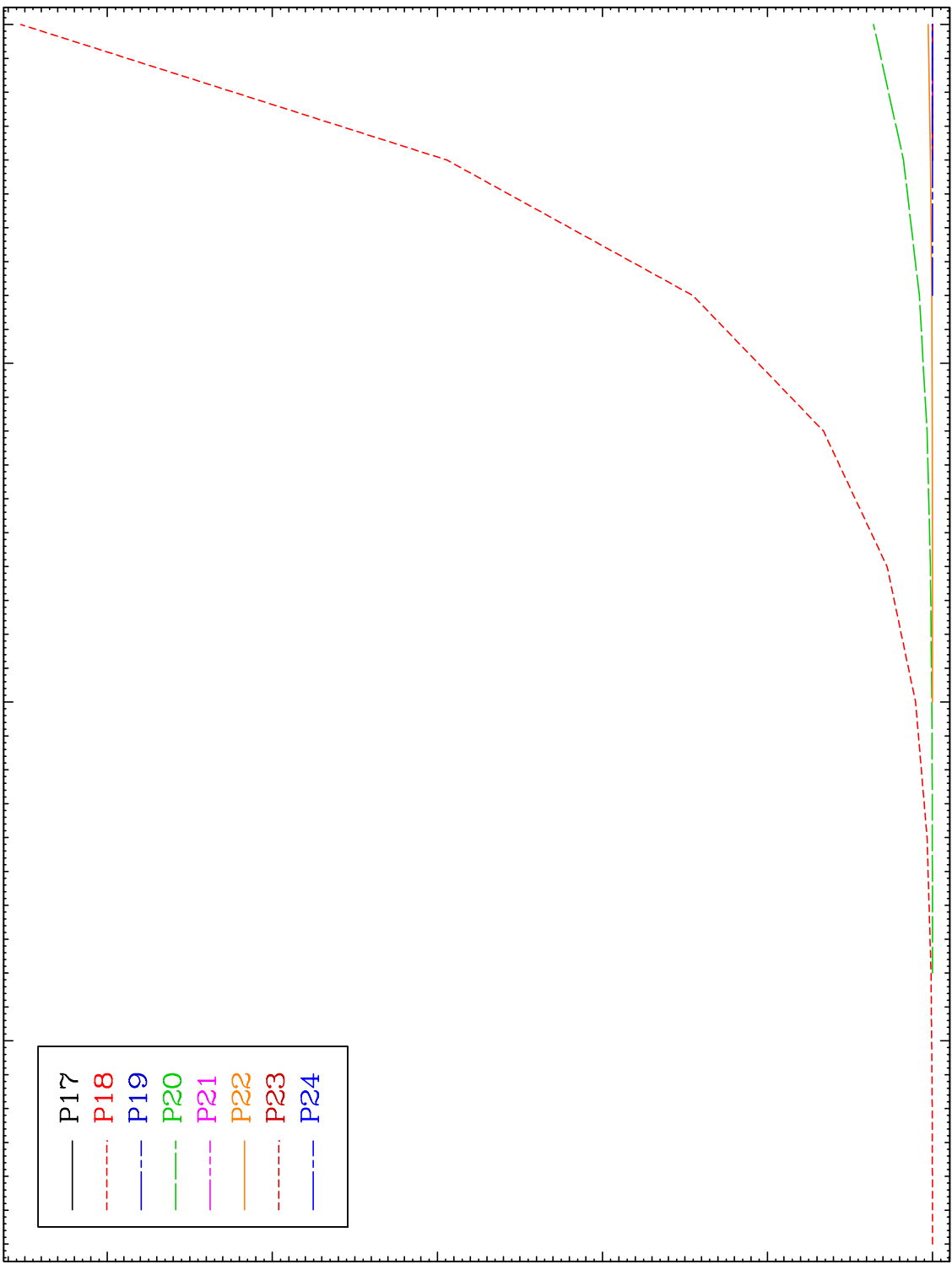
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Elastic Legendre Coefficients

35-Br-80m



$\times 10^{-6}$   
1.0  
0.8  
0.6  
0.4  
0.2  
0.0



17

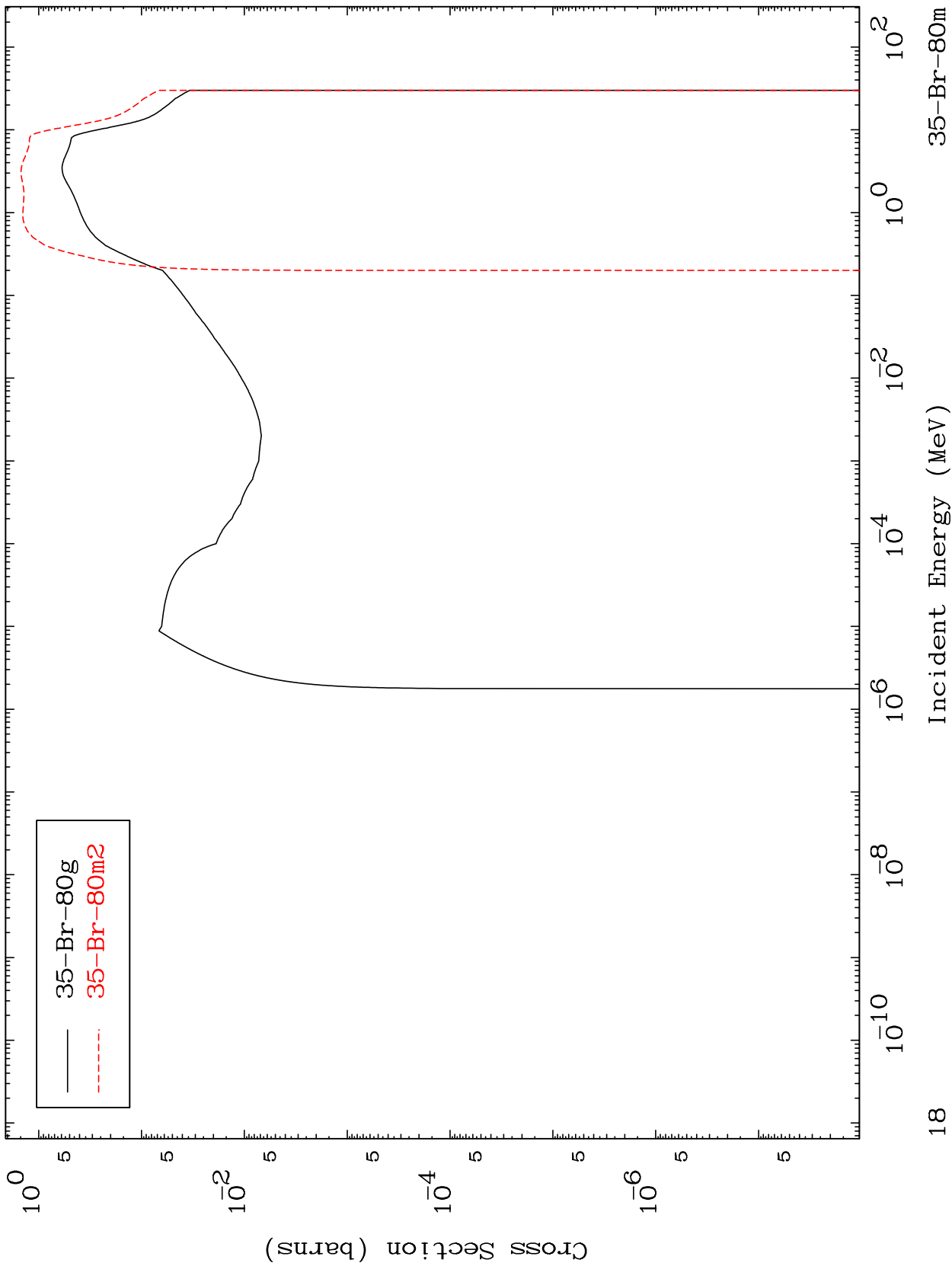
Incident Energy (MeV)

35-Br-80m

MAT 3529

35-Br-80m

Inelastic  
Radionuclide Production Cross Section

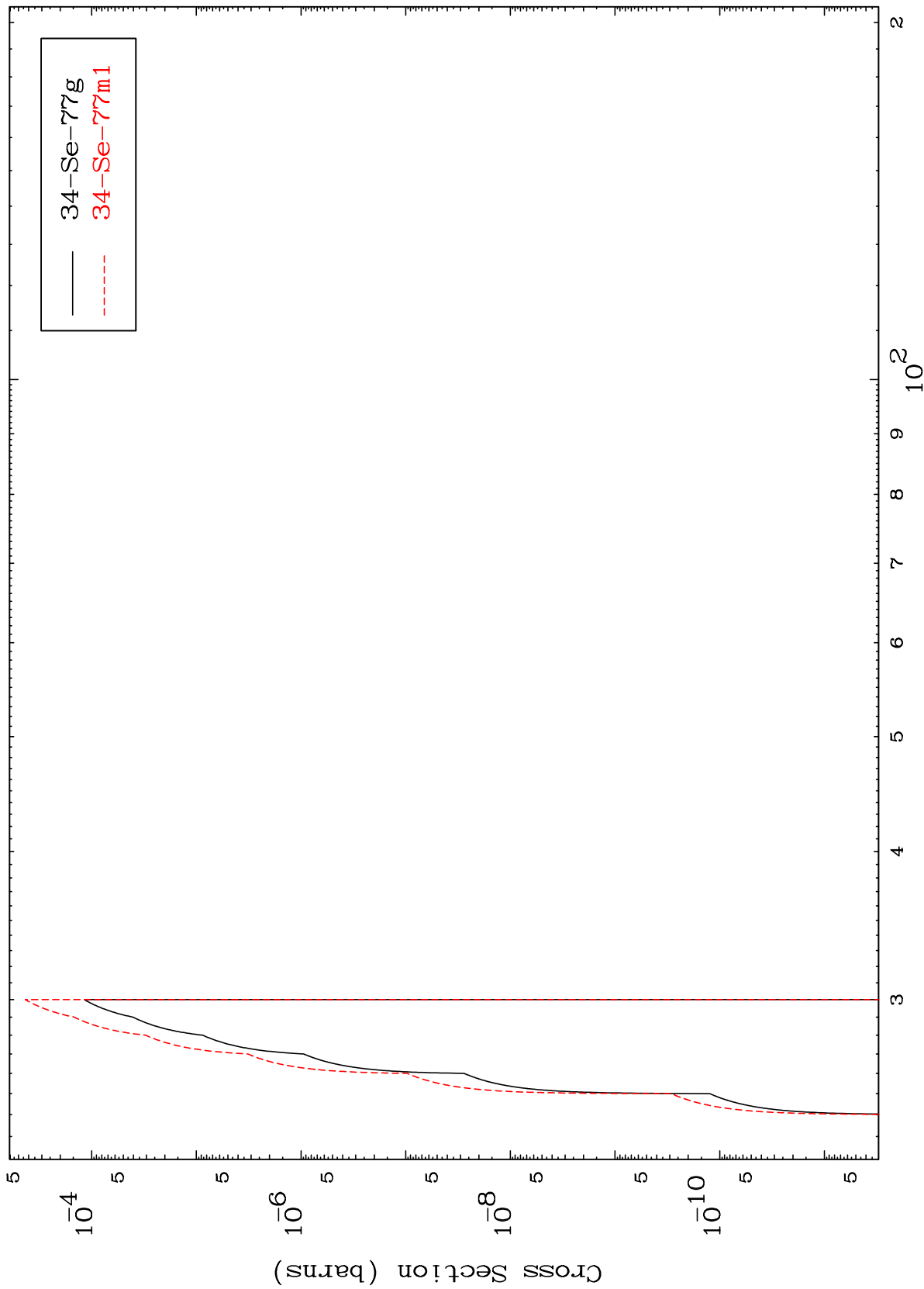


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(n,2n) d

35-Br-80m

Radionuclide Production Cross Section



19

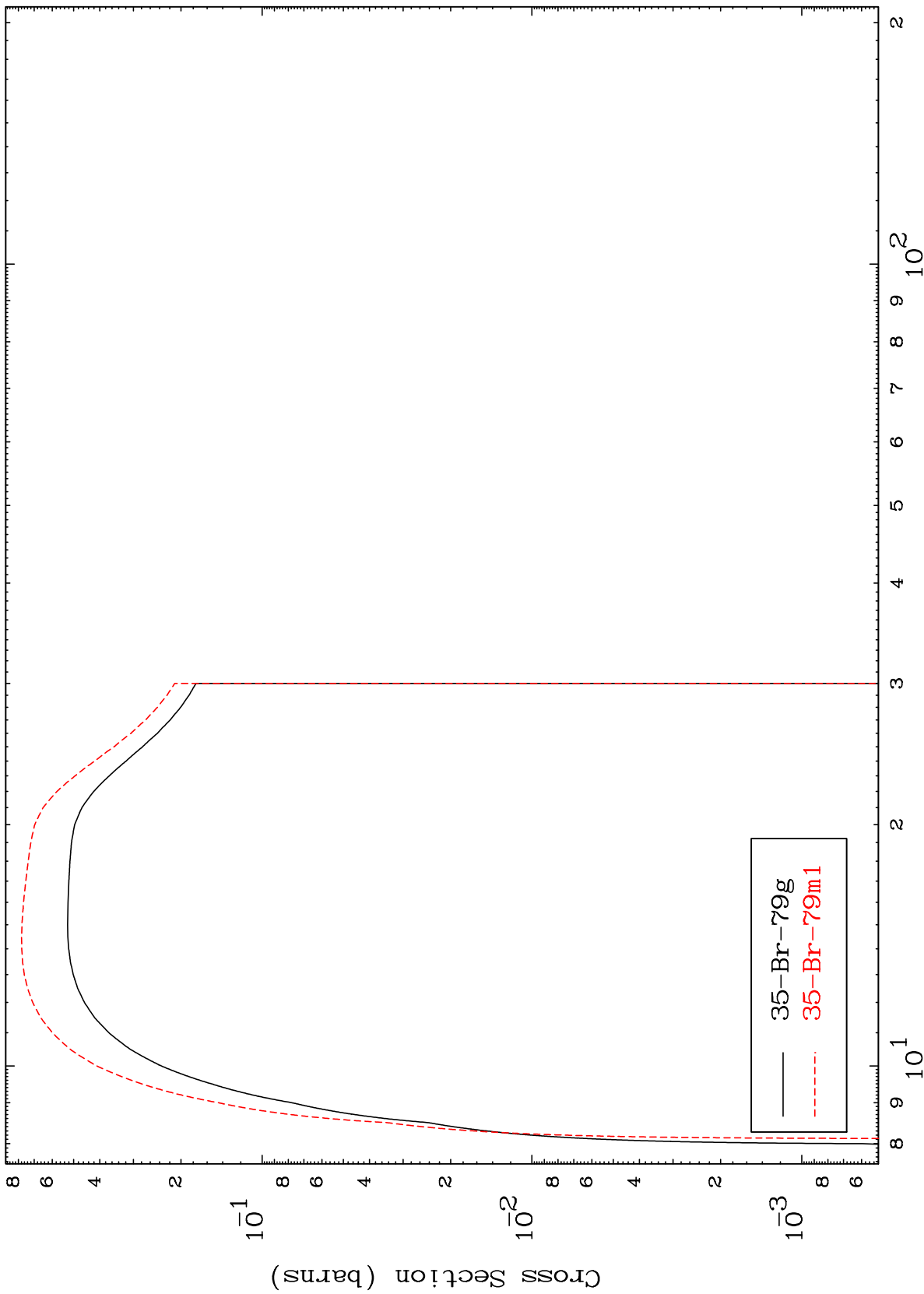
Incident Energy (MeV)

35-Br-80m

MAT 3529

<sup>35</sup>Br-80m

(n,2n)  
Radionuclide Production Cross Section



<sup>35</sup>Br-80m

Incident Energy (MeV)

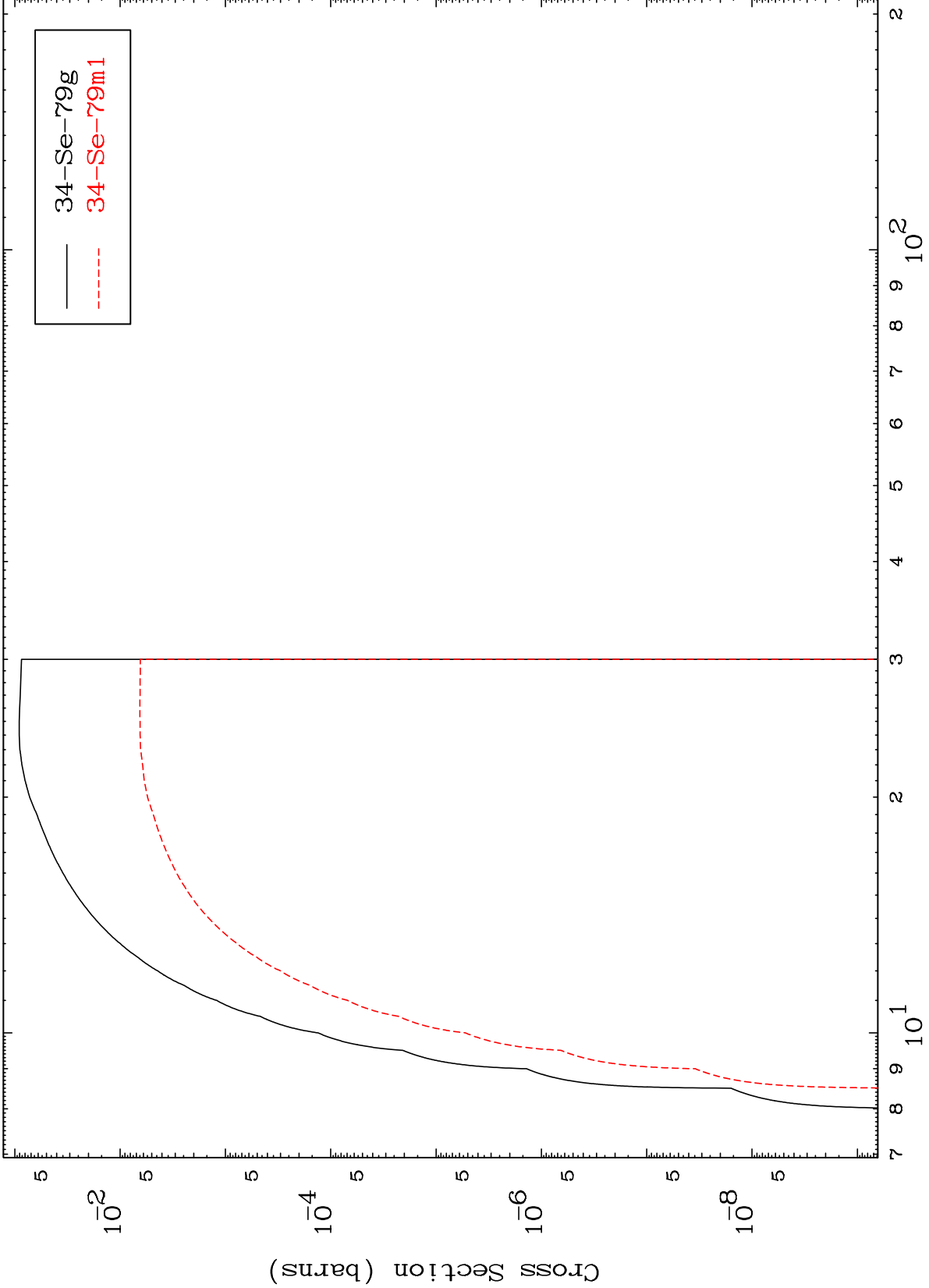
20

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(n,n') p

35-Br-80m

Radionuclide Production Cross Section



21

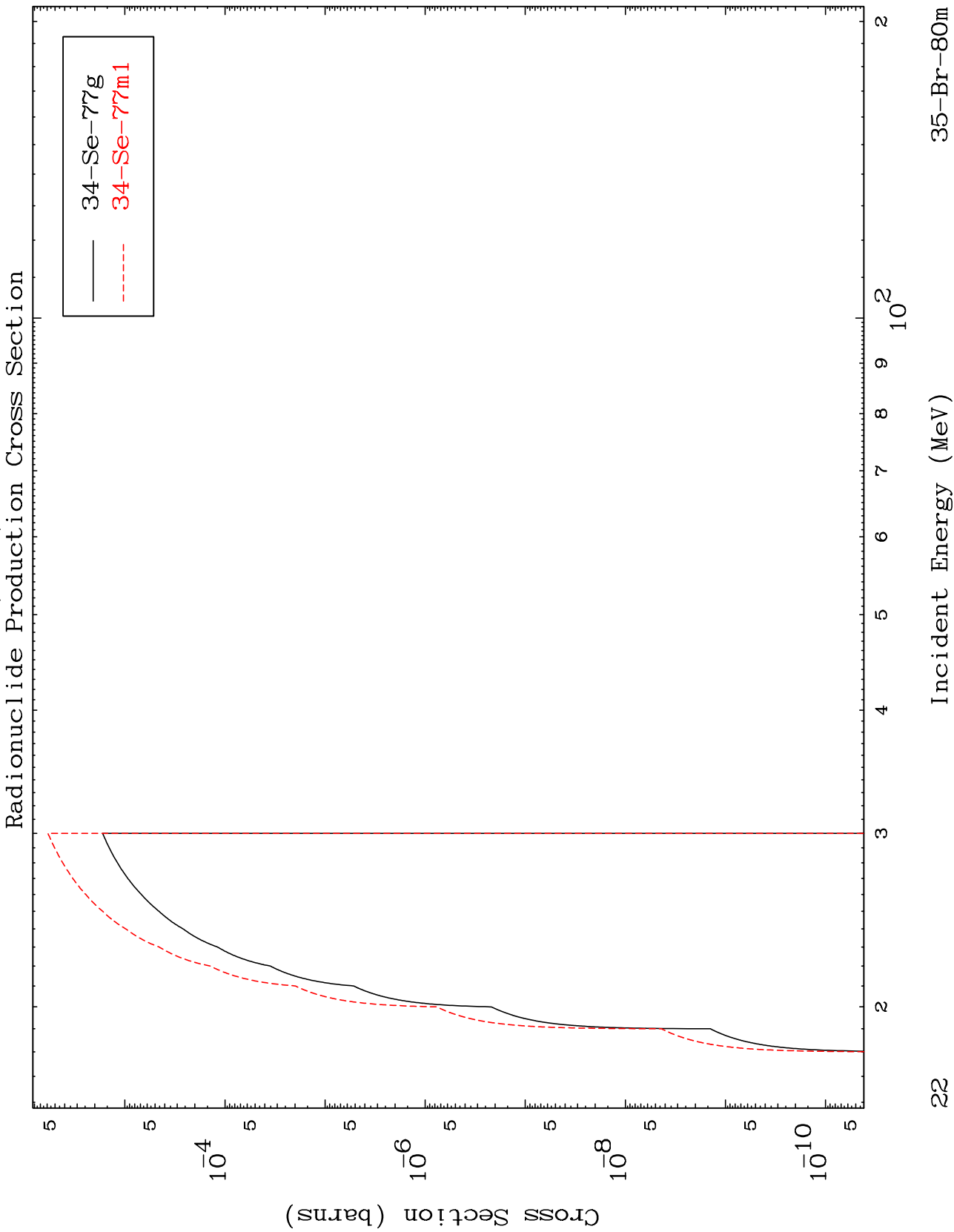
Incident Energy (MeV)

35-Br-80m

MAT 3529

(n,n') t

35-Br-80m



22

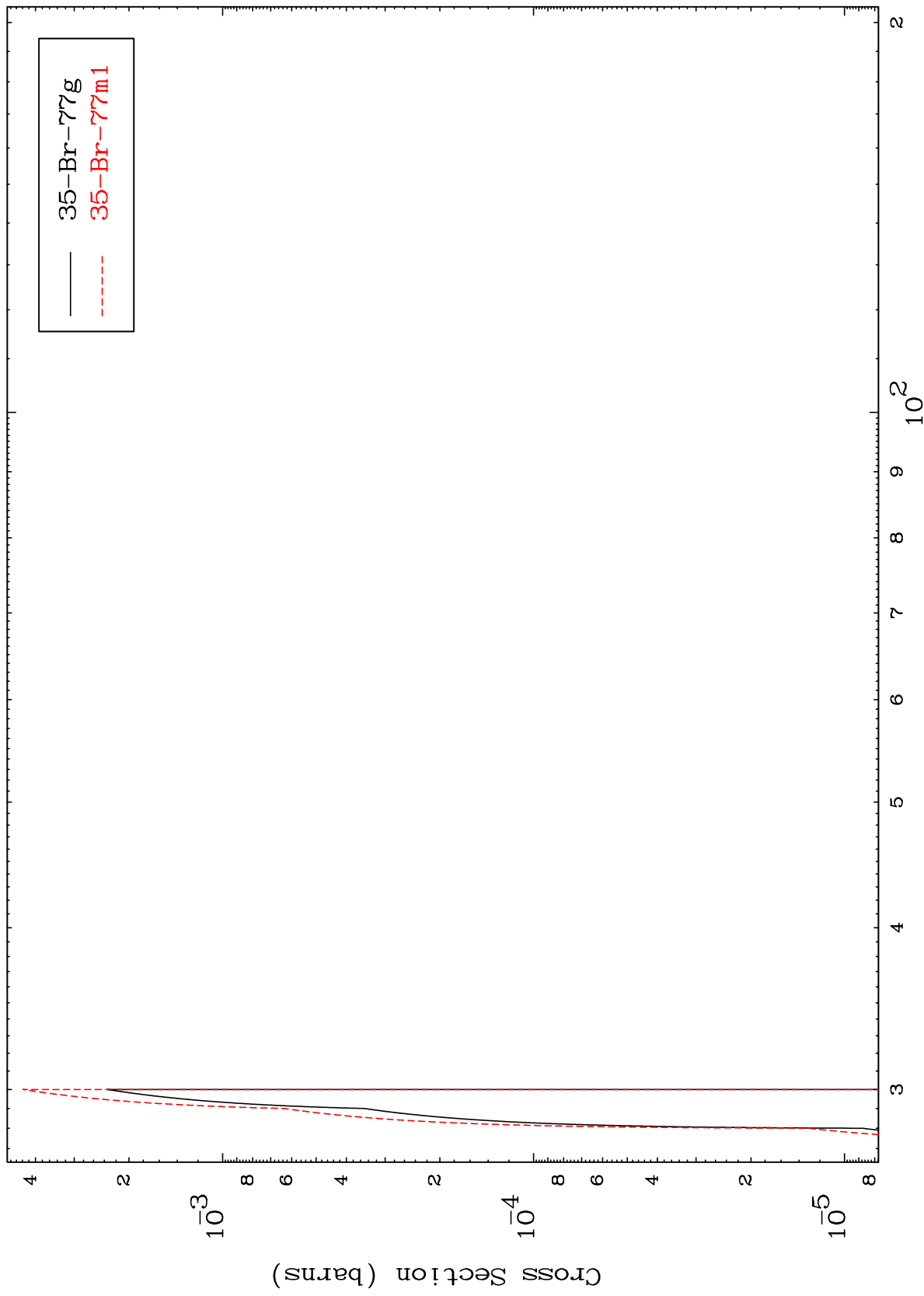
Incident Energy (MeV)

35-Br-80m

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35-Br-80m

(n,4n)  
Radionuclide Production Cross Section



35-Br-80m

Incident Energy (MeV)

23

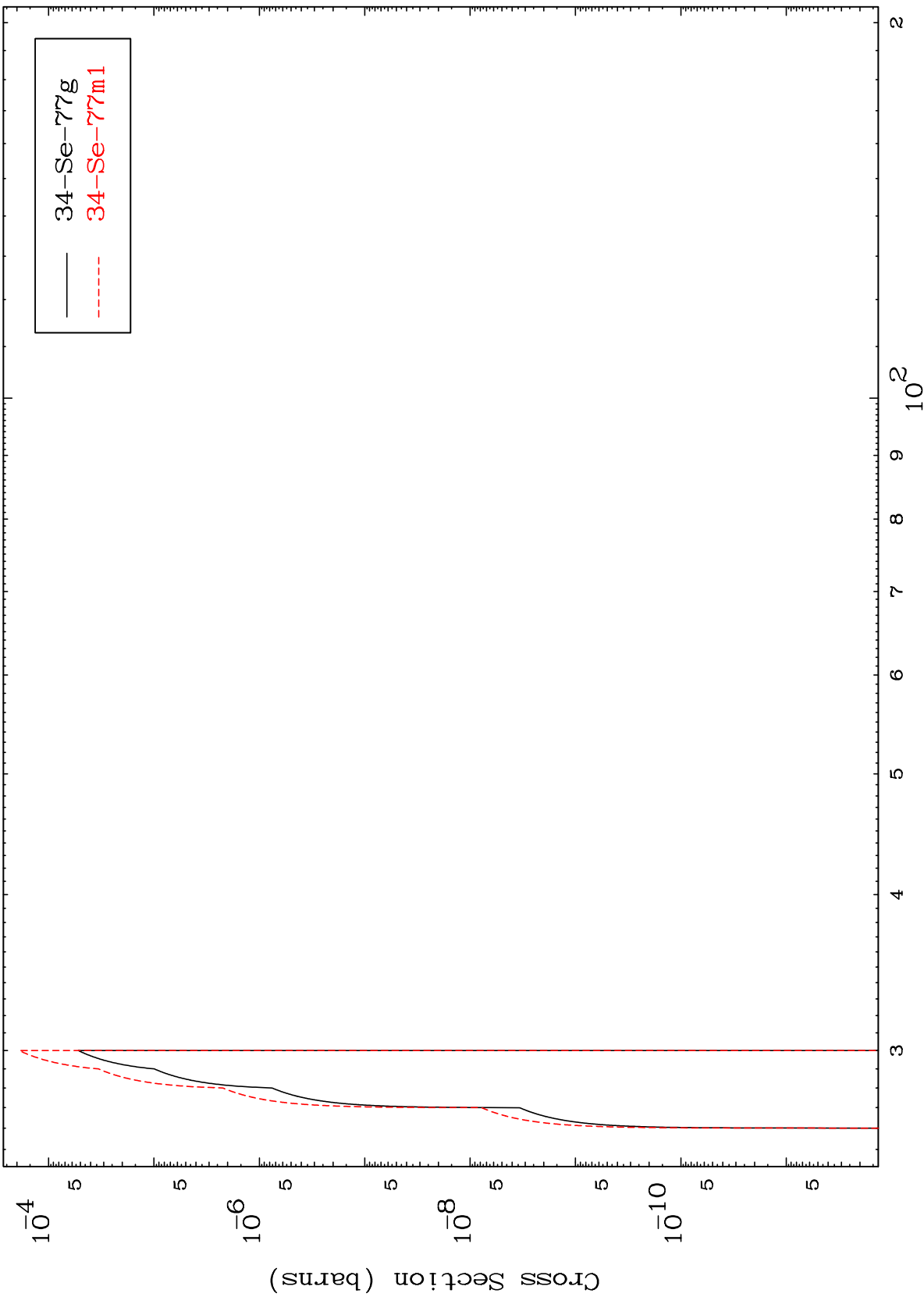


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(n,3n) p

35-Br-80m

Radionuclide Production Cross Section



34-Se-77g  
34-Se-77m1

24

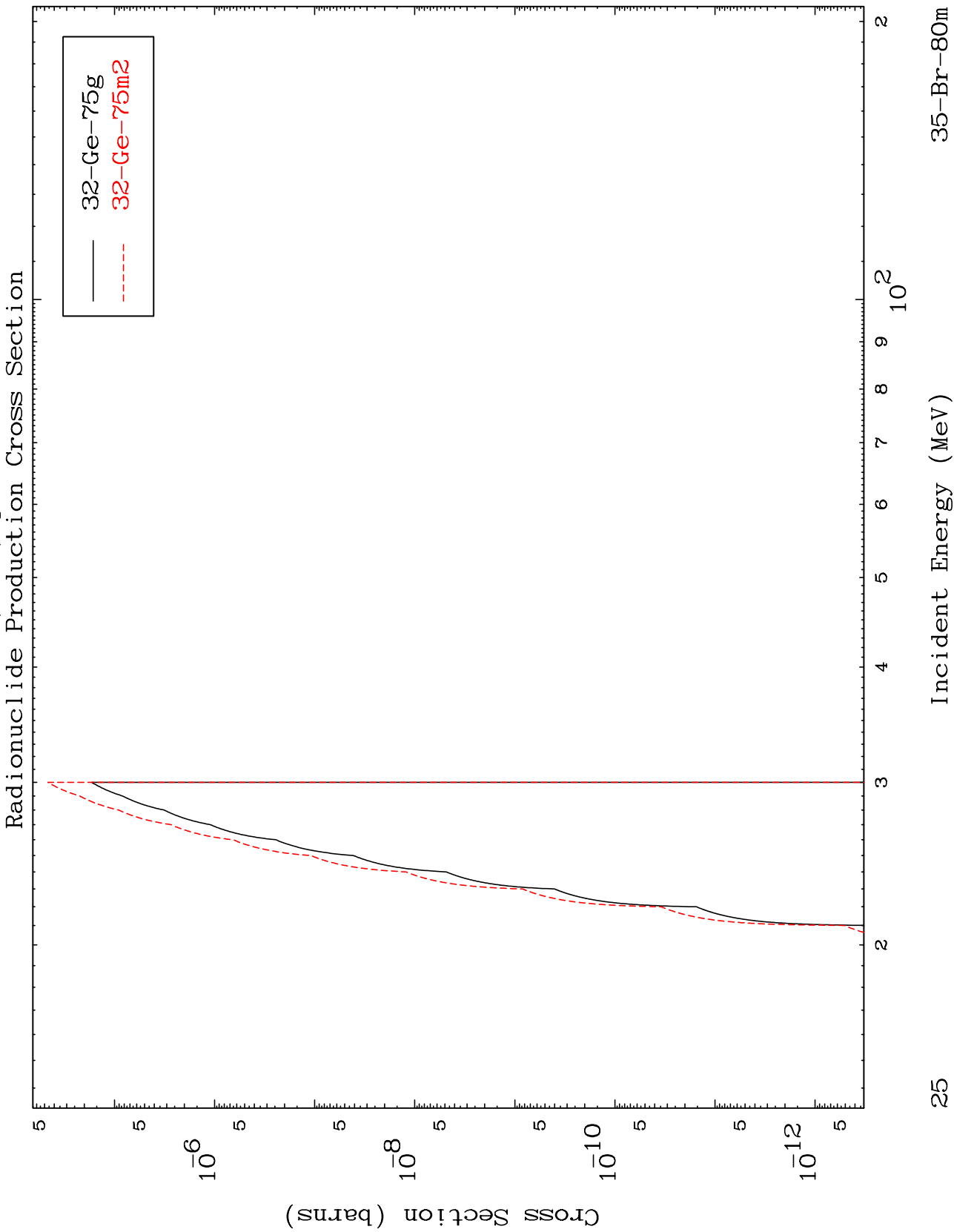
Incident Energy (MeV)

35-Br-80m

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(n,n') p  $\alpha$

35-Br-80m



25

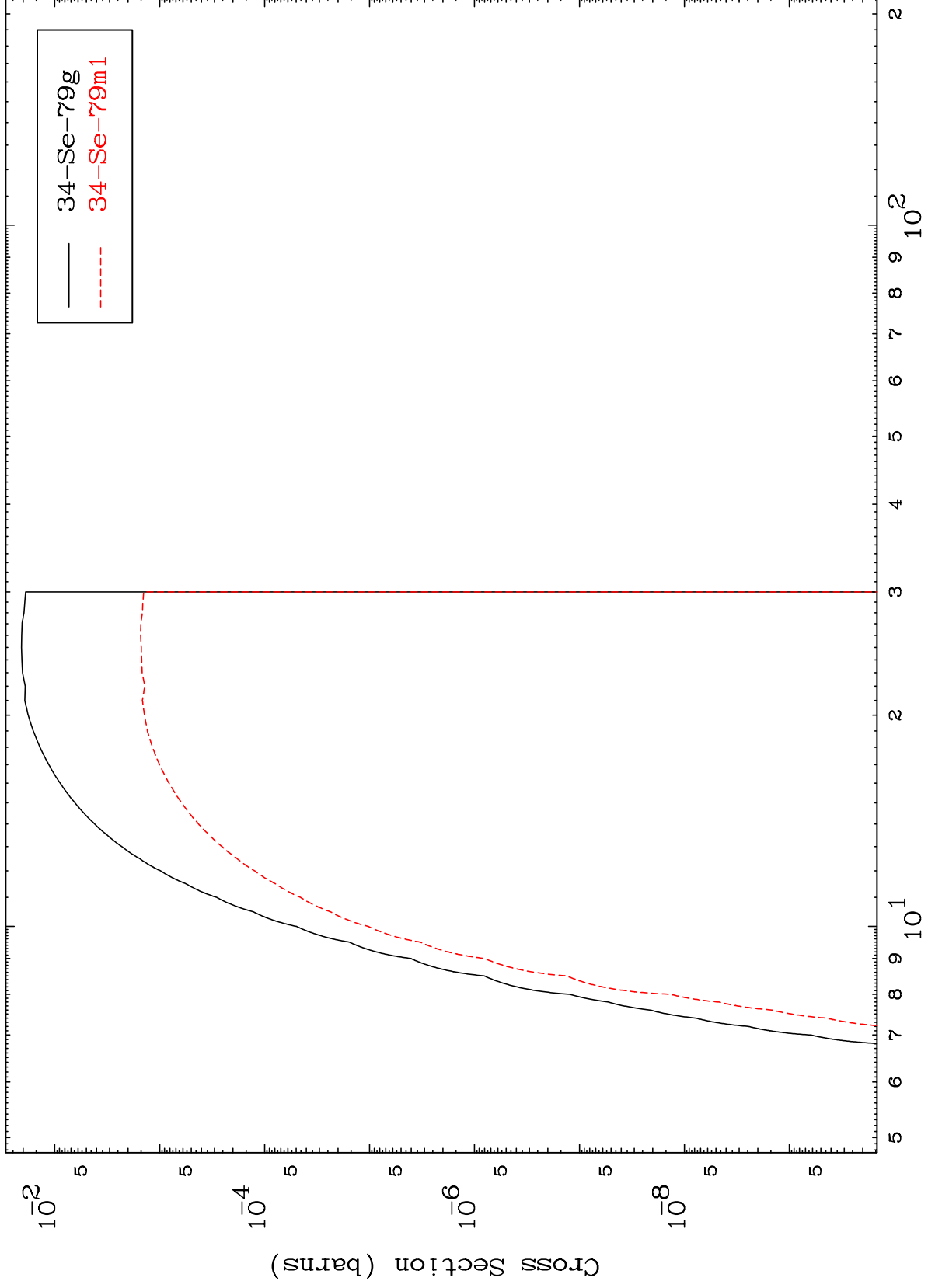
35-Br-80m

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(n,d)

35-Br-80m

Radionuclide Production Cross Section



26

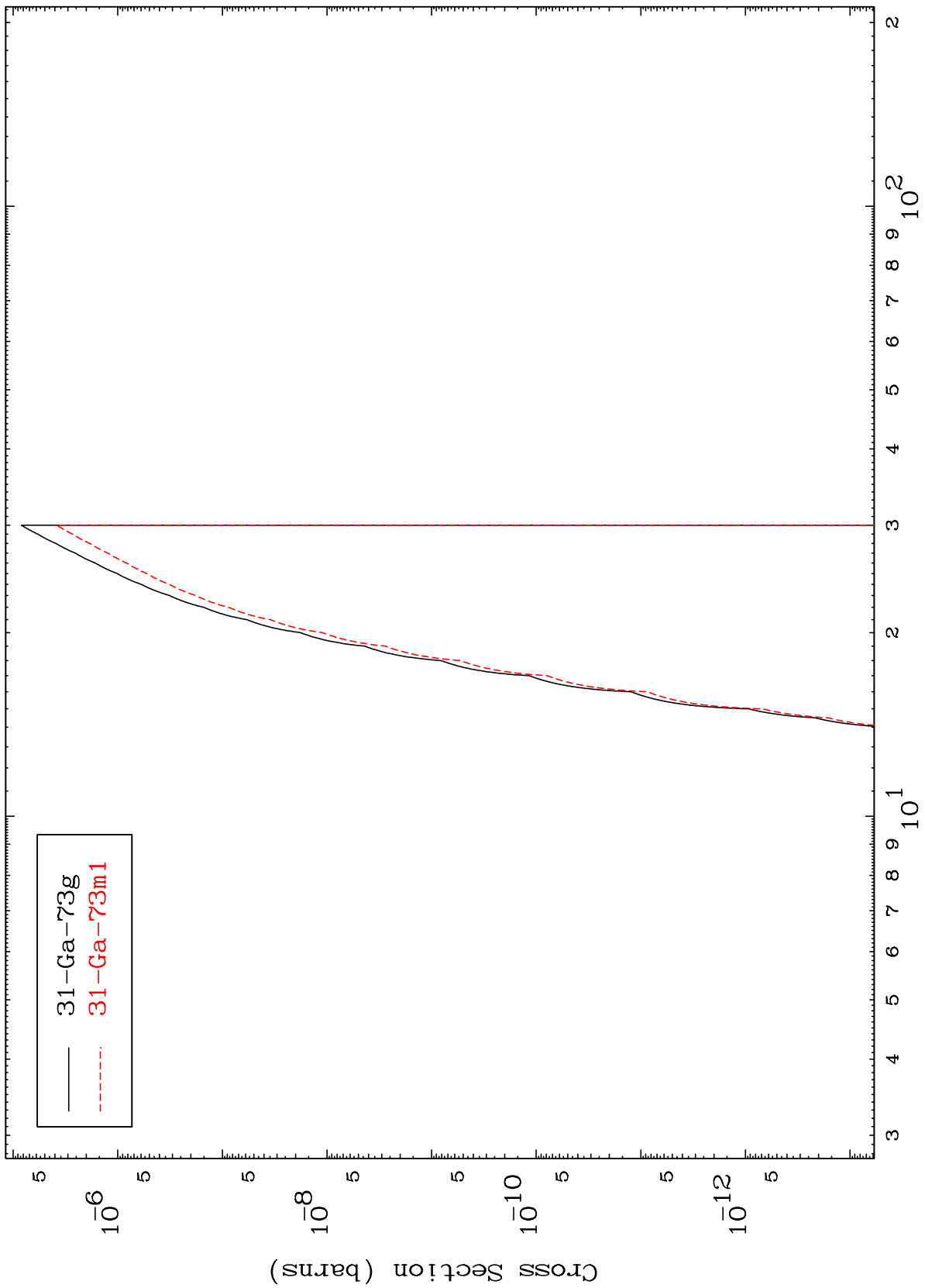
Incident Energy (MeV)

35-Br-80m

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35-Br-80m

(n,2α)  
Radionuclide Production Cross Section



27

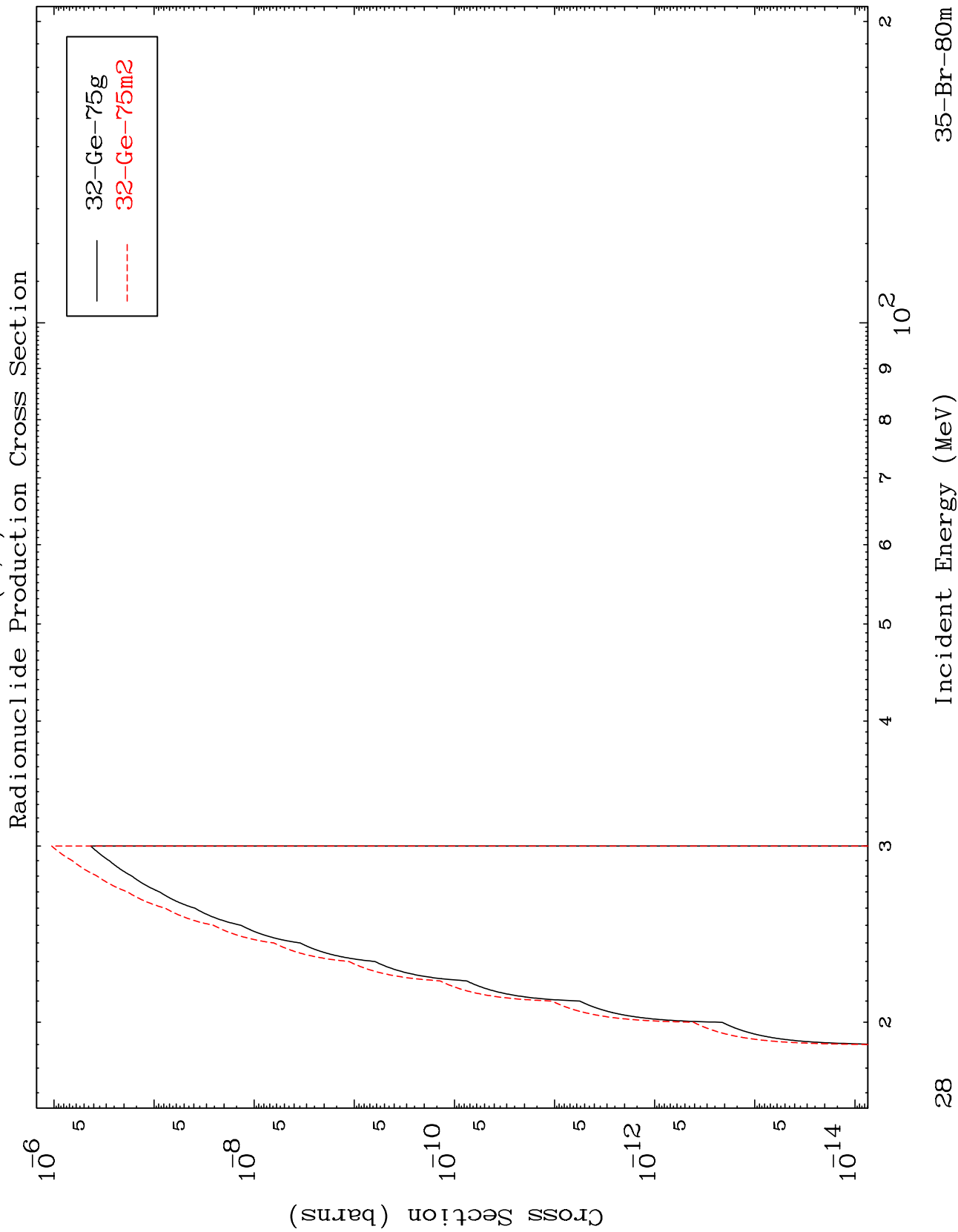
35-Br-80m

Incident Energy (MeV)

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(n,d)  $\alpha$

35-Br-80m



28

35-Br-80m