

Program EVALPLOT  
(Version 2021-1)

by

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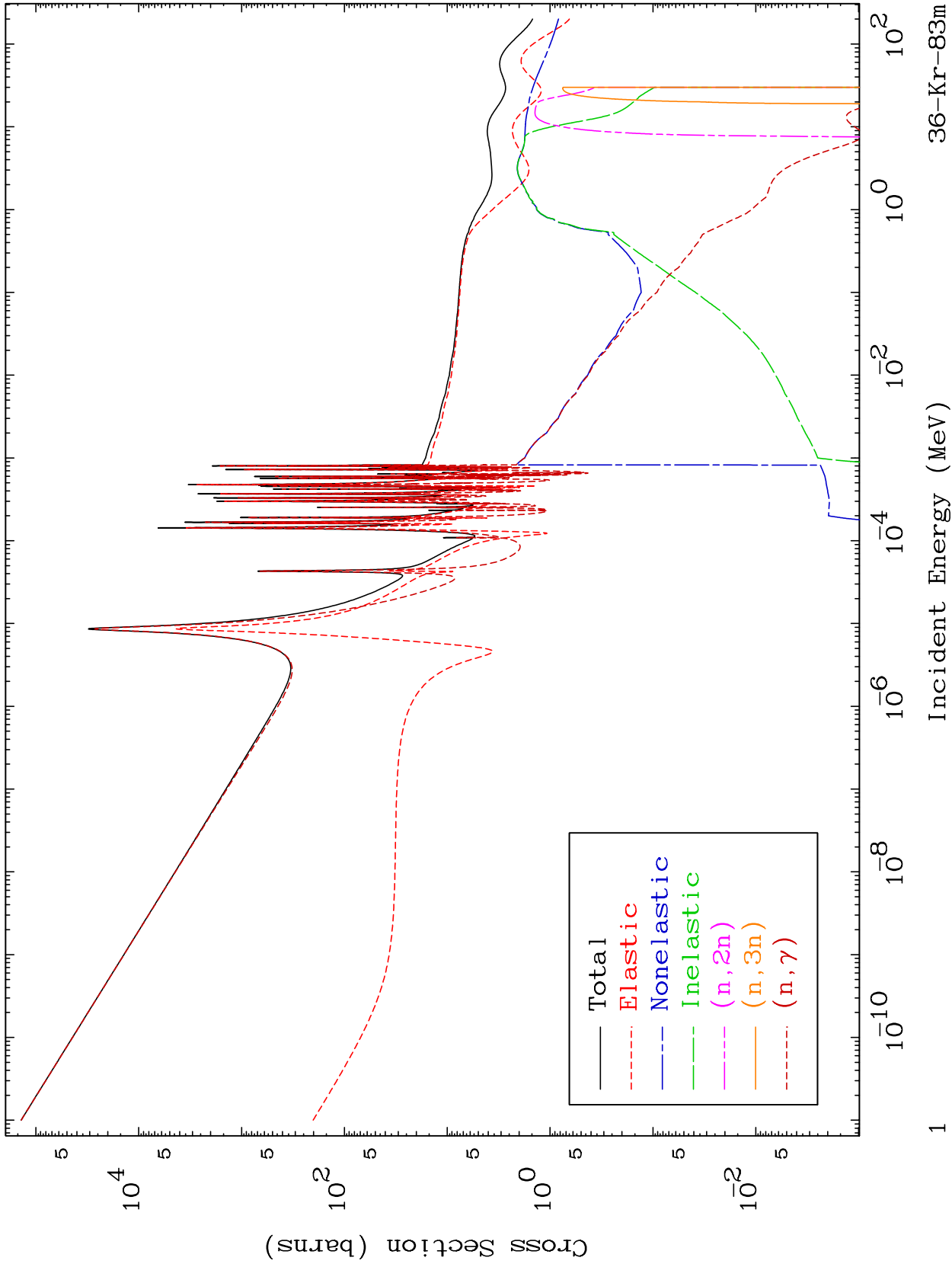
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3641

Neutron Major  
293 Kelvin Cross Sections

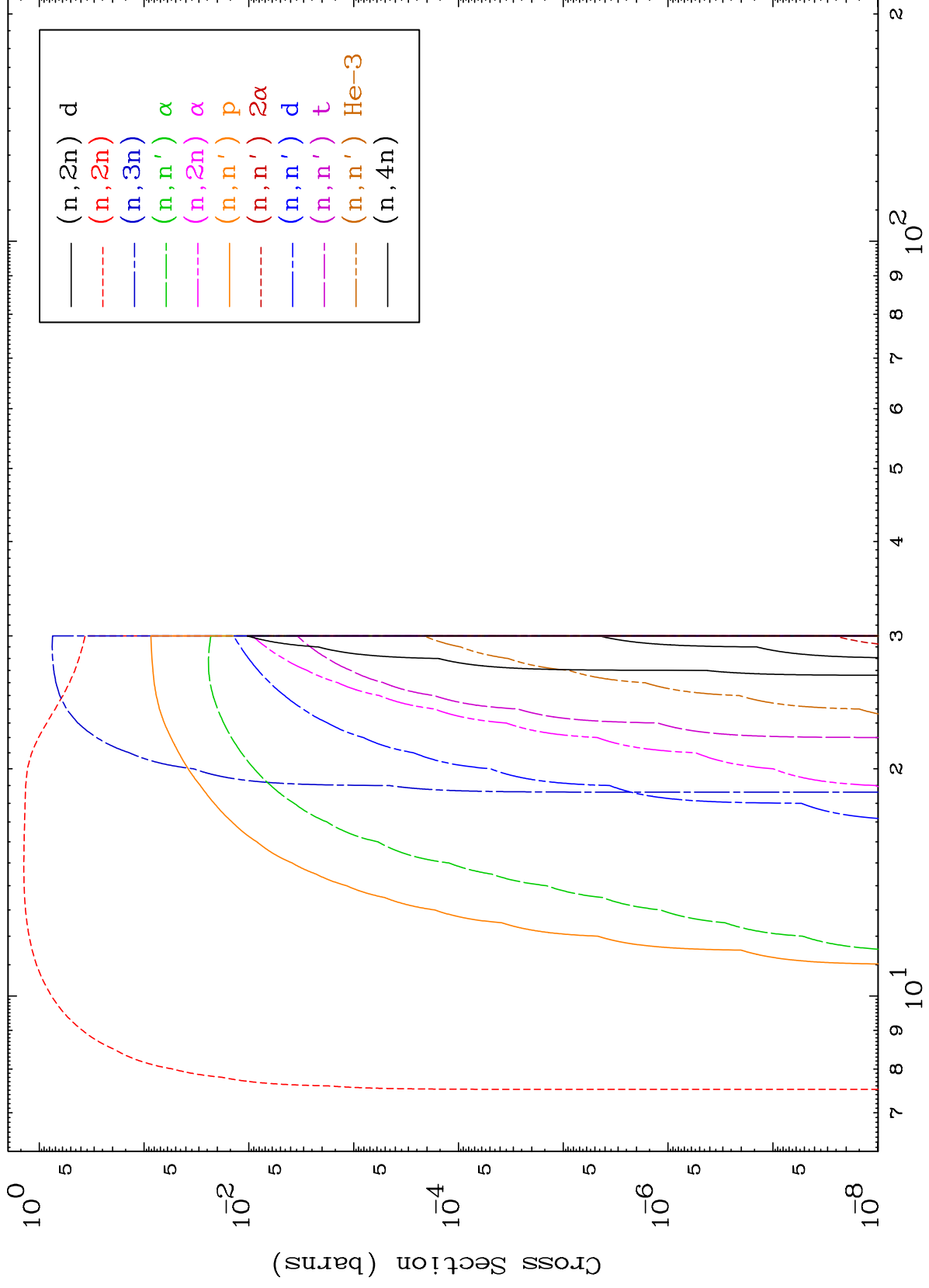
36-Kr-83m



MAT 3641

Neutron Absorption  
293 Kelvin Cross Sections

36-Kr-83m



2

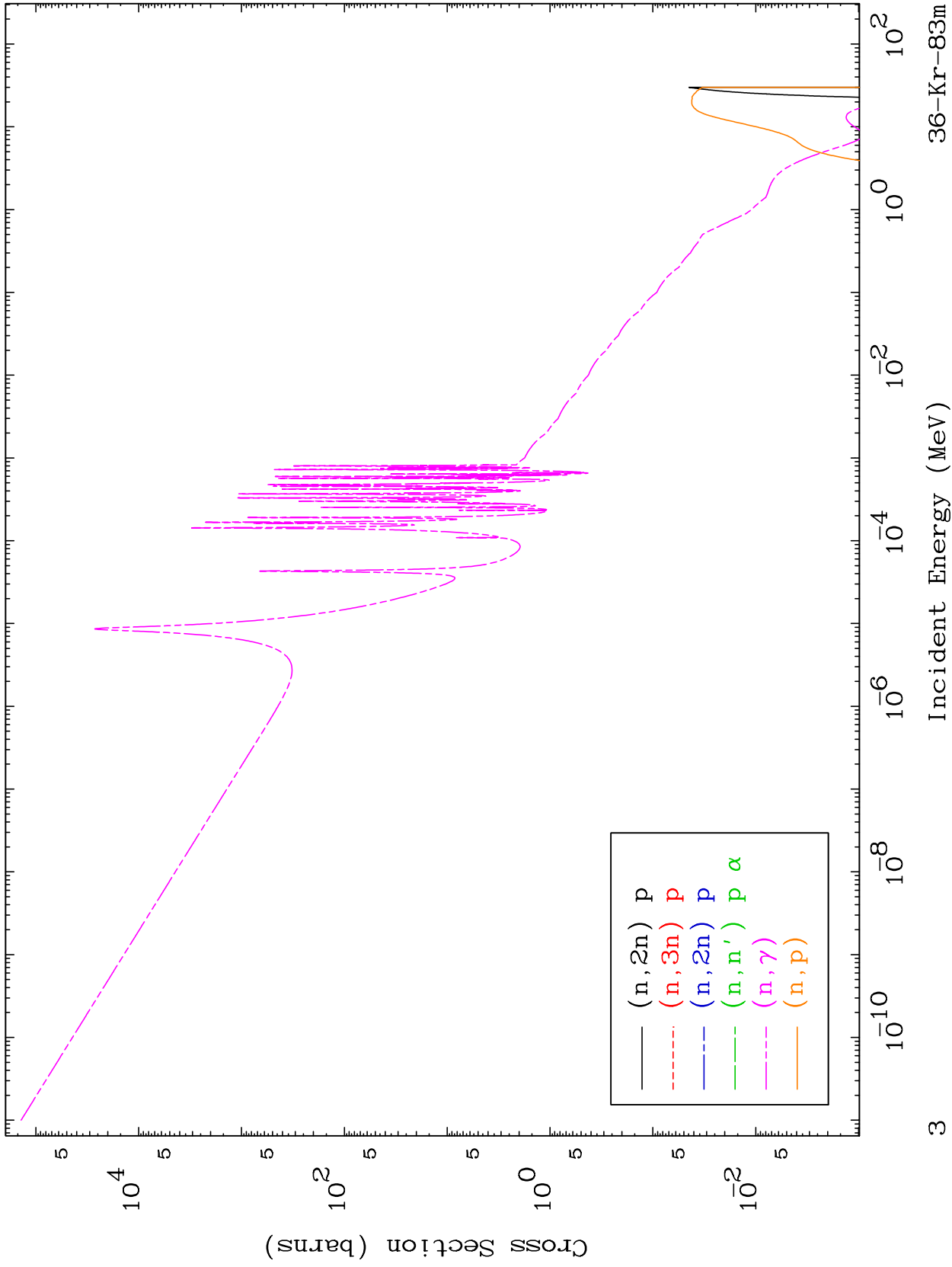
Incident Energy (MeV)

36-Kr-83m

MAT 3641

Neutron Absorption  
293 Kelvin Cross Sections

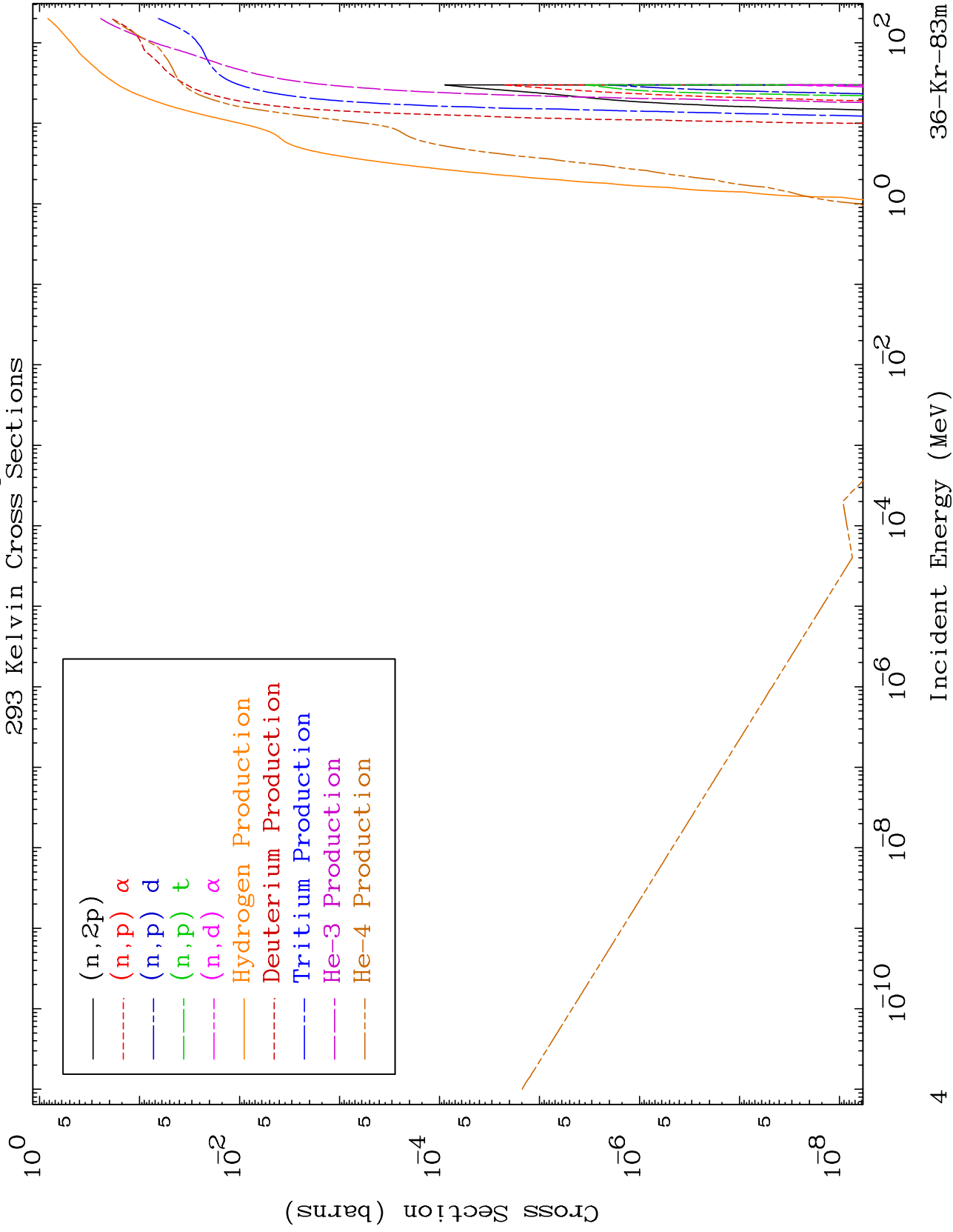
36-Kr-83m



MAT 3641

Neutron Absorption  
293 Kelvin Cross Sections

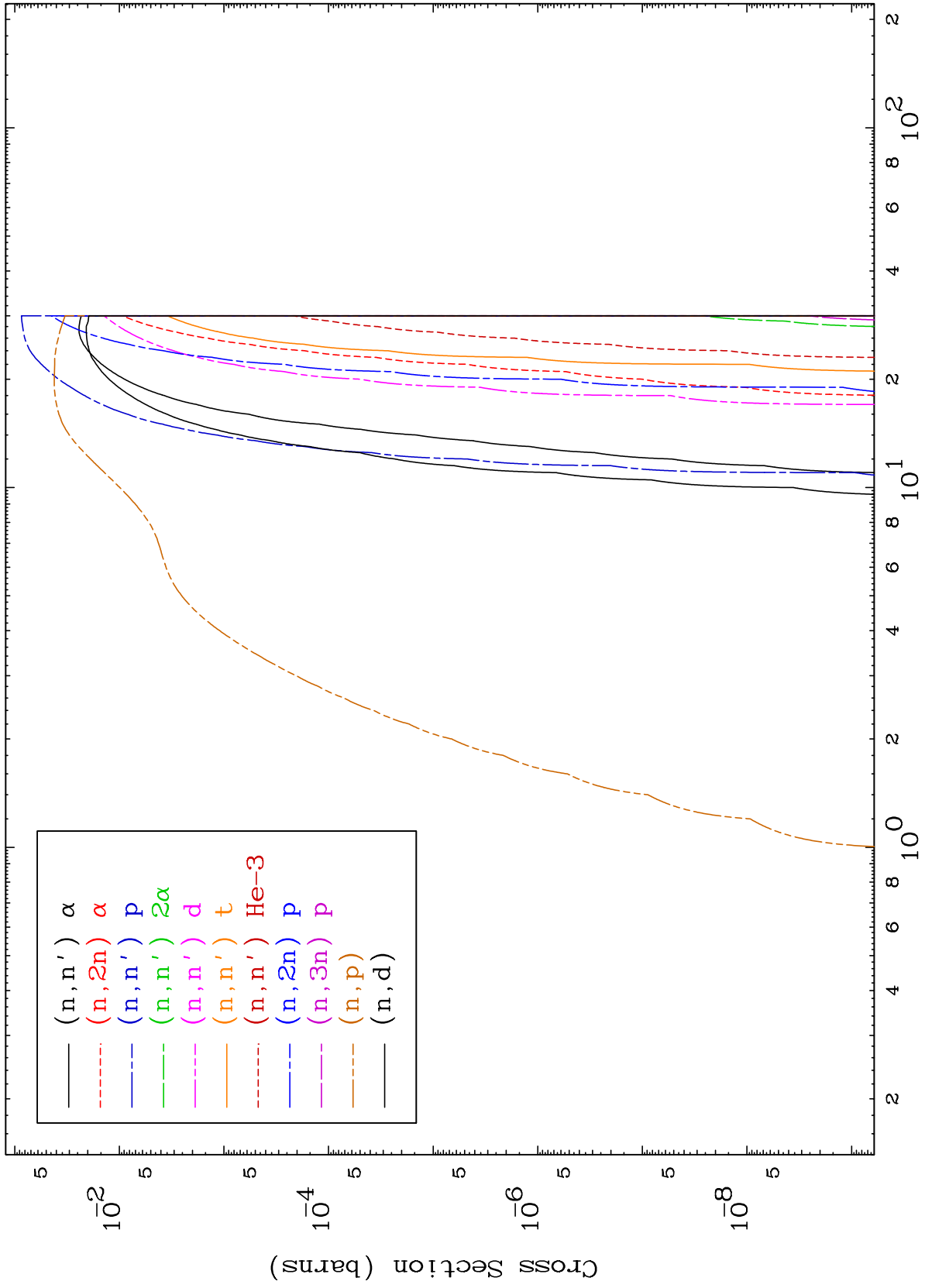
36-Kr-83m



MAT 3641

Charged Particle  
293 Kelvin Cross Sections

36-Kr-83m



5

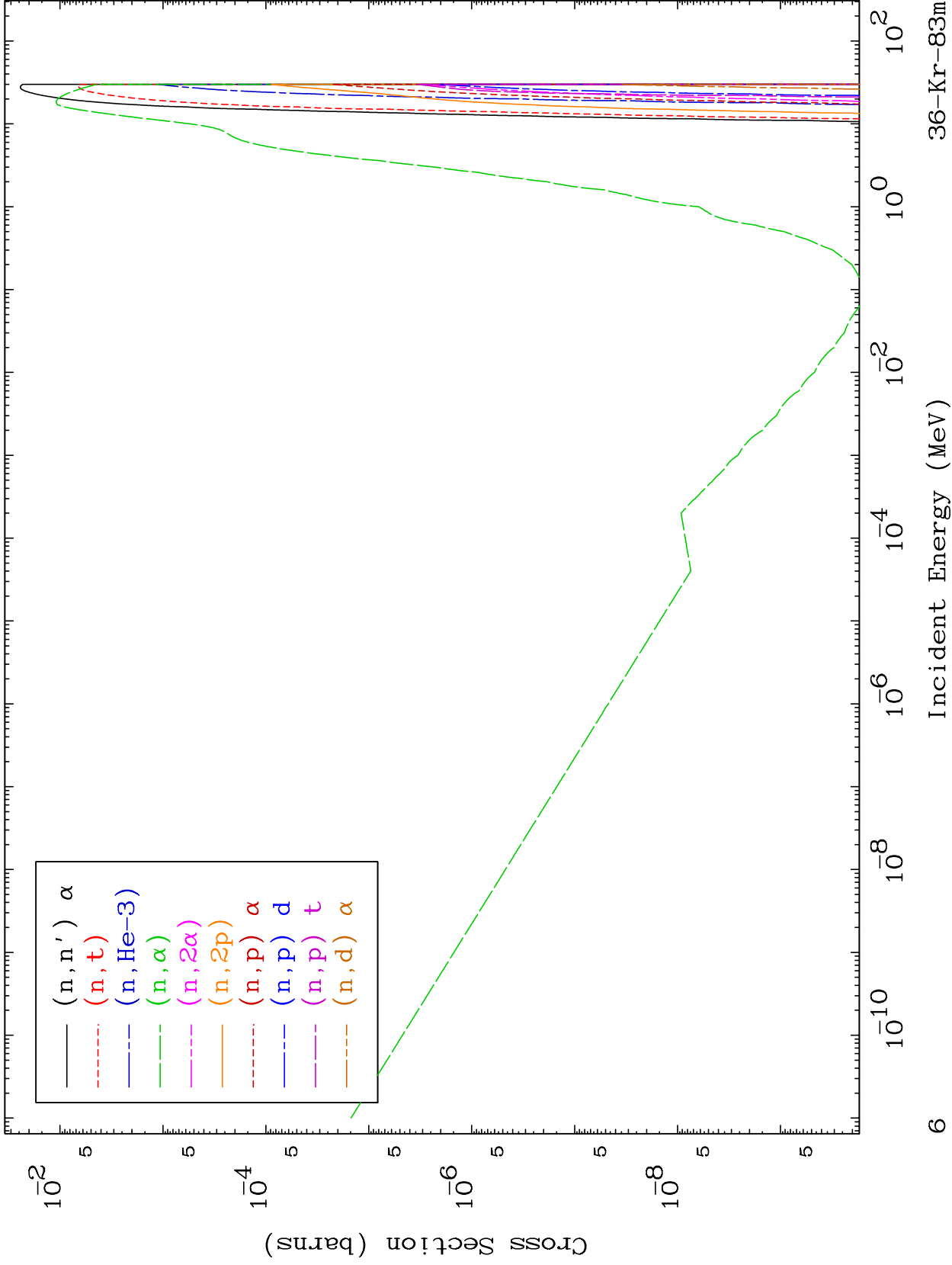
Incident Energy (MeV)

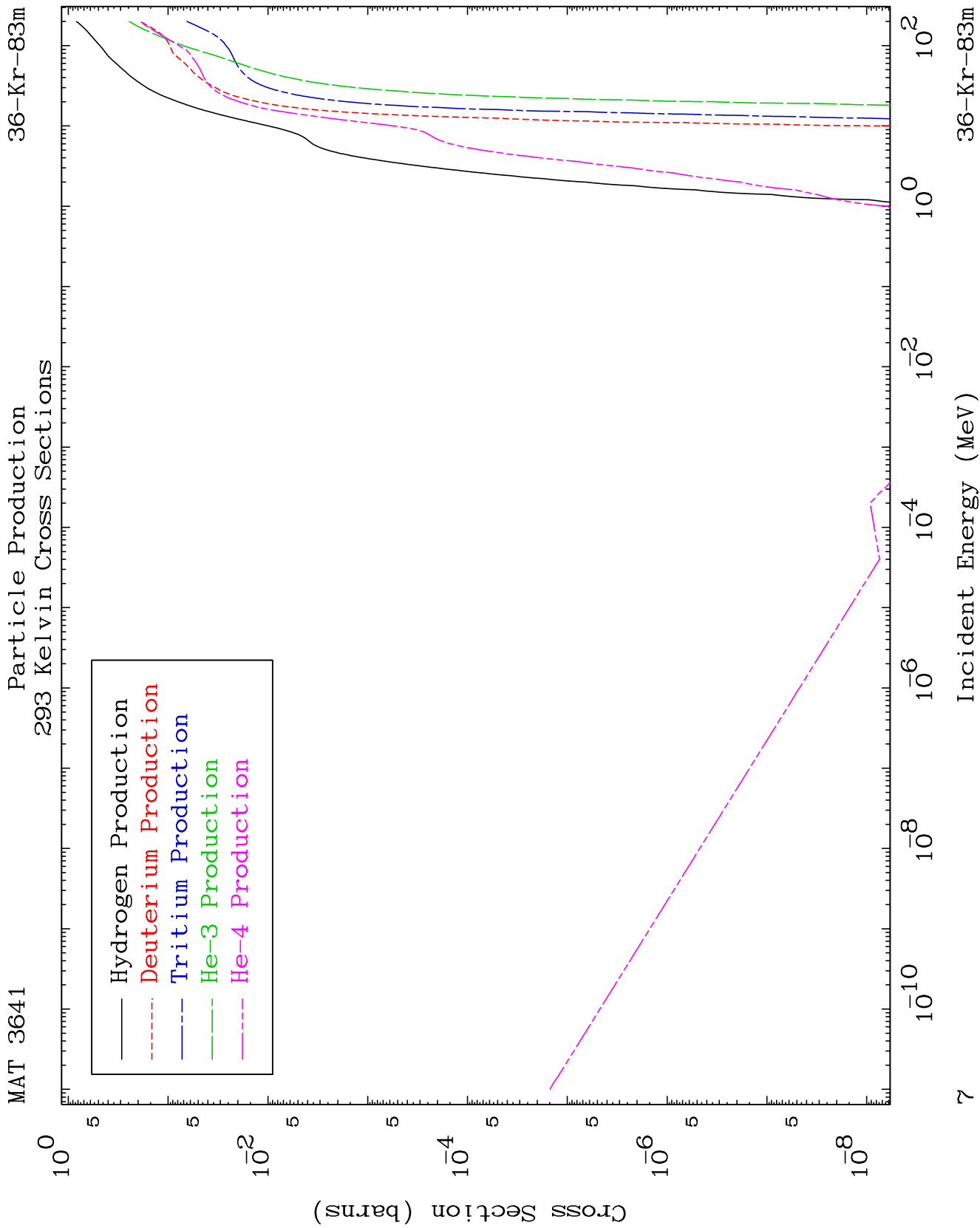
36-Kr-83m

MAT 3641

Charged Particle  
293 Kelvin Cross Sections

36-Kr-83m

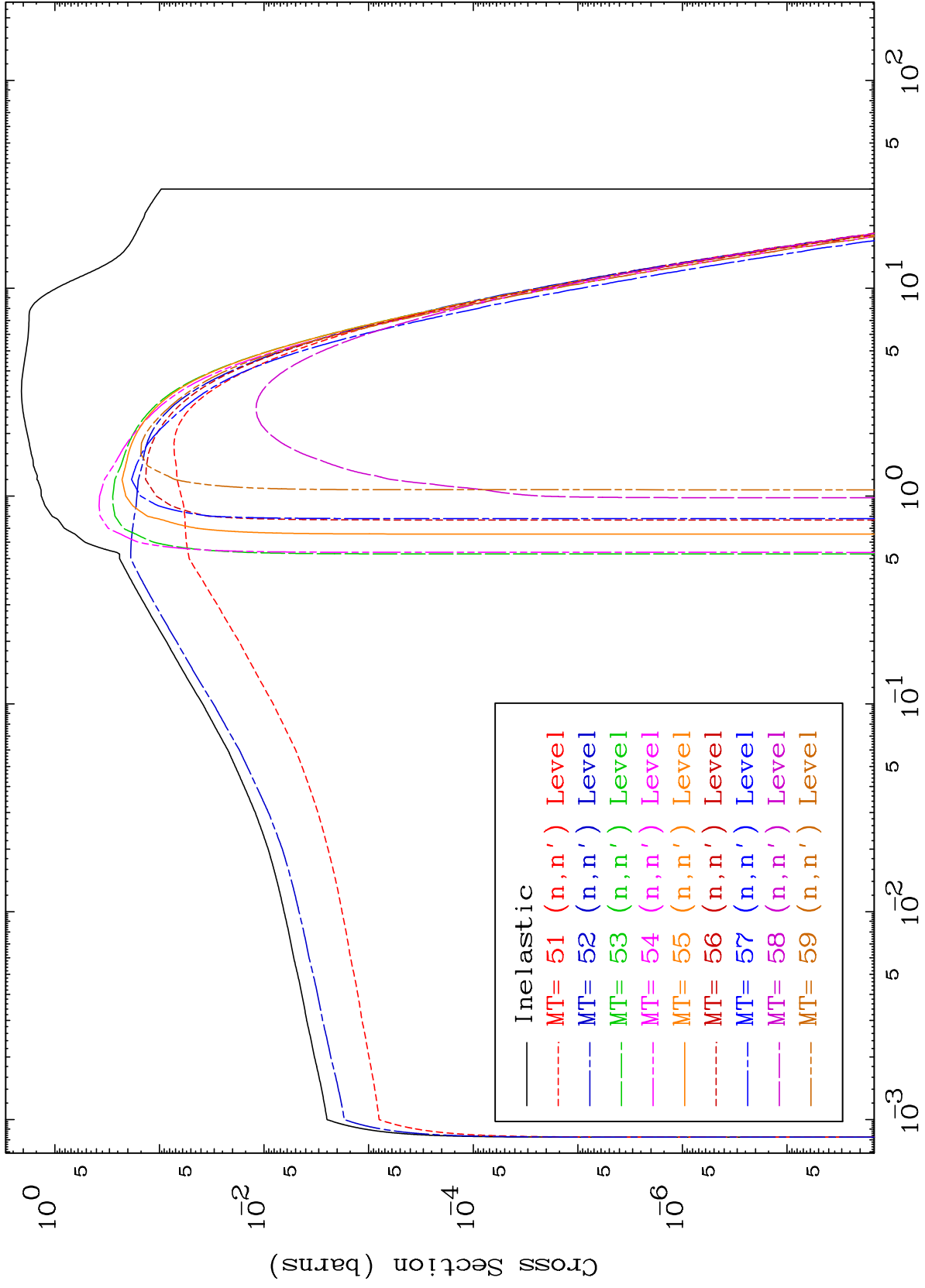




MAT 3641

(n,n') Levels  
293 Kelvin Cross Sections

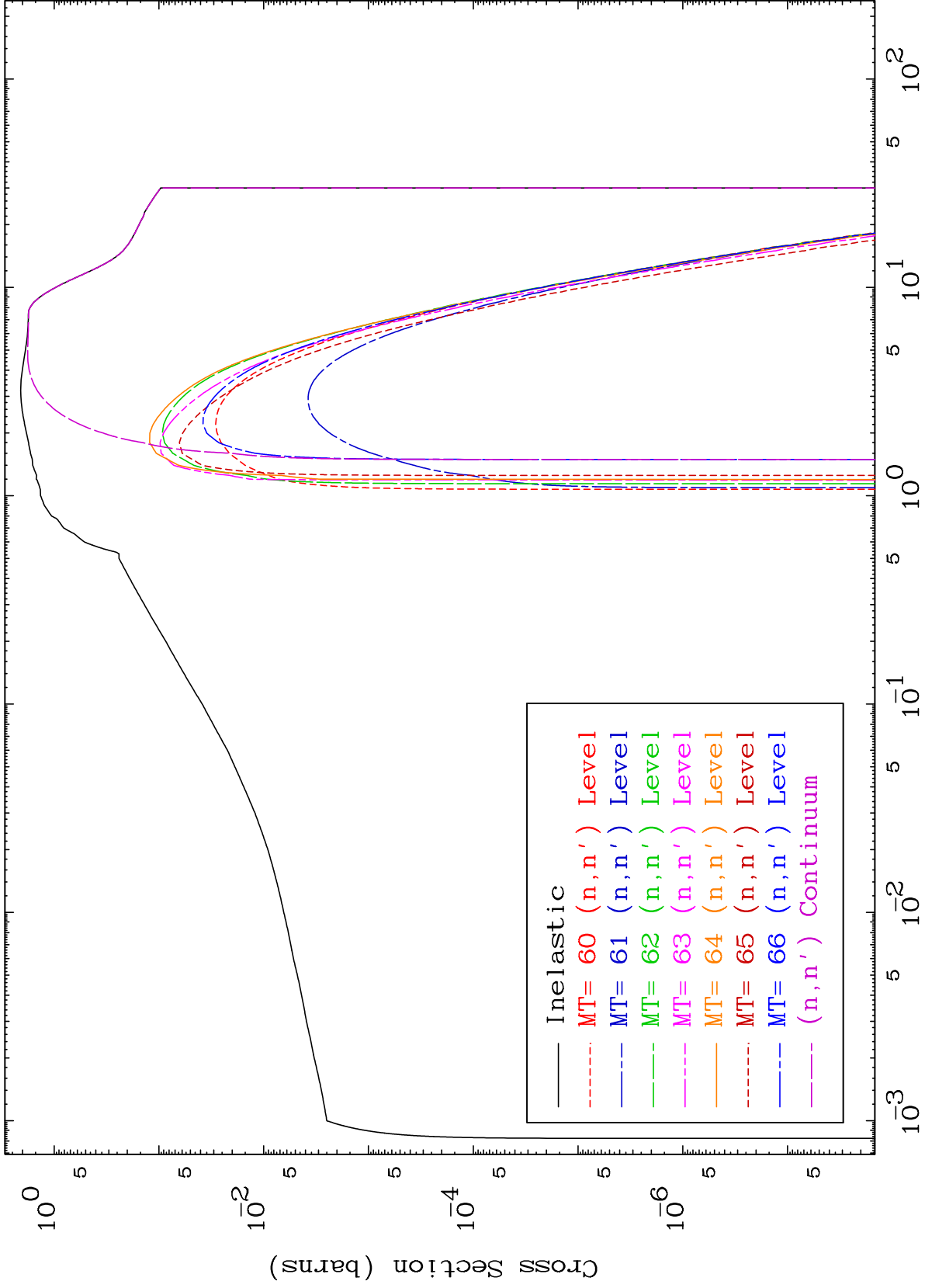
36-Kr-83m



MAT 3641

(n,n') Levels  
293 Kelvin Cross Sections

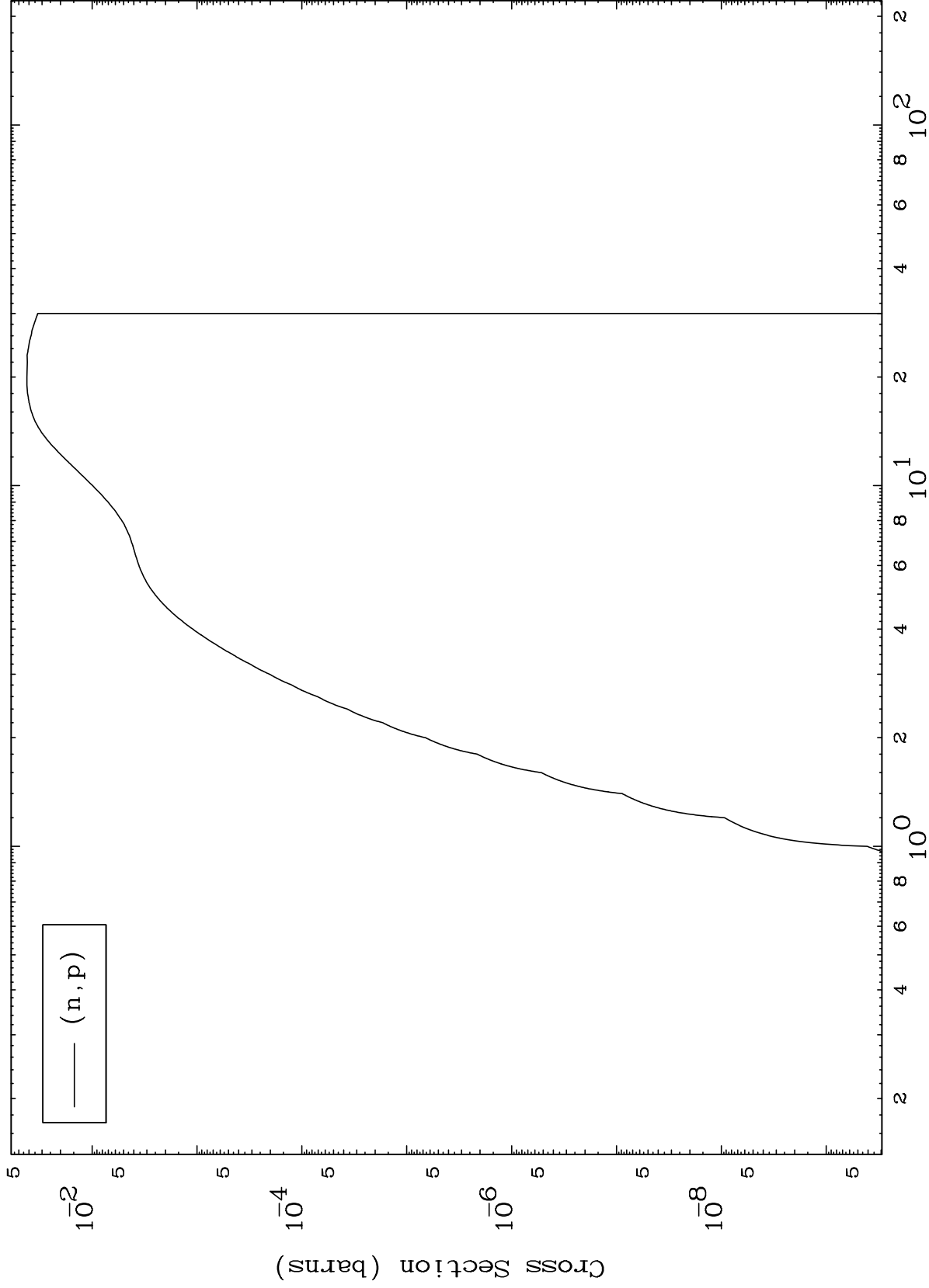
36-Kr-83m



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(n,p) Levels  
293 Kelvin Cross Sections

36-Kr-83m



10

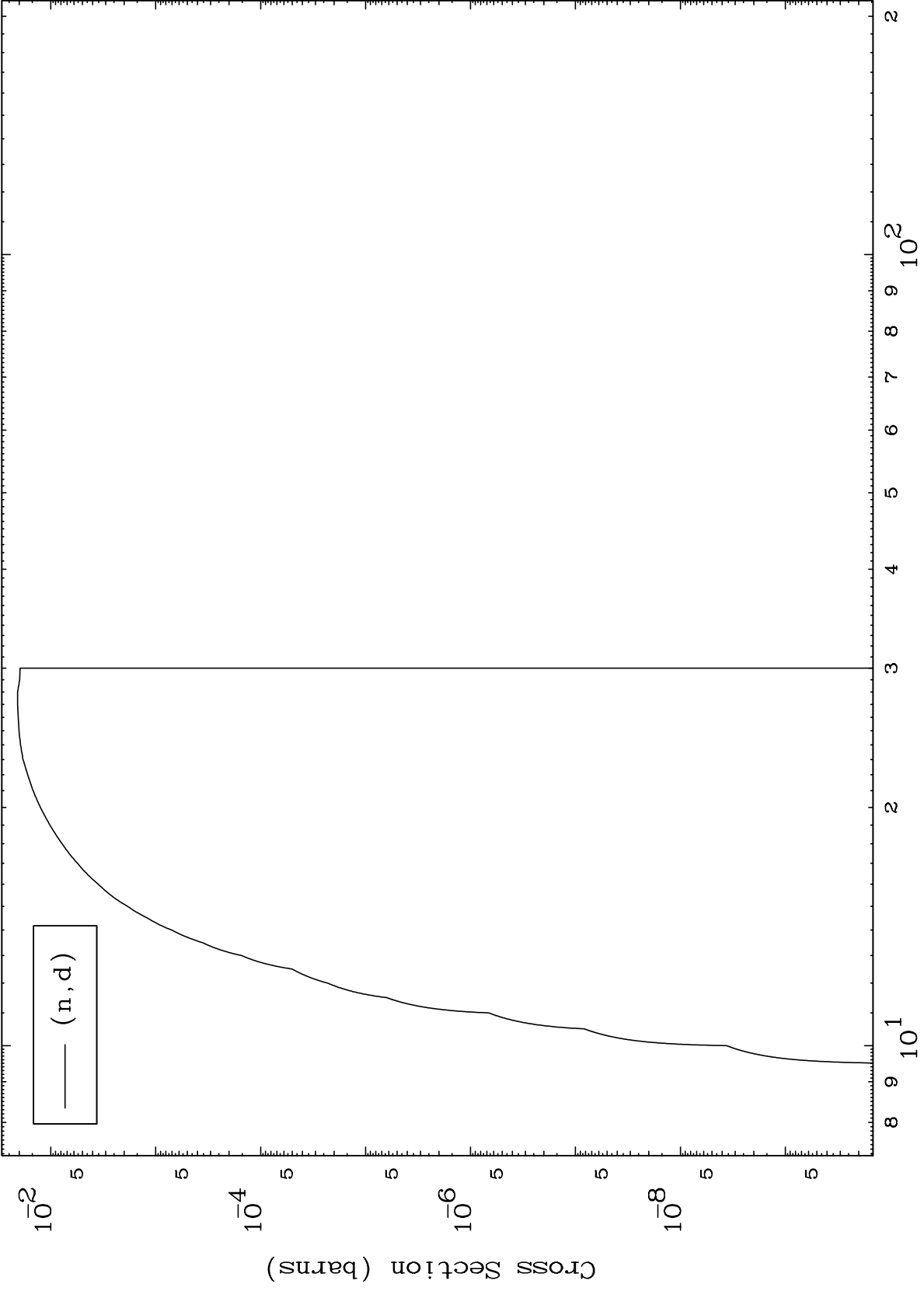
Incident Energy (MeV)

36-Kr-83m

MAT 3641

(n,d) Levels  
293 Kelvin Cross Sections

36-Kr-83m



11

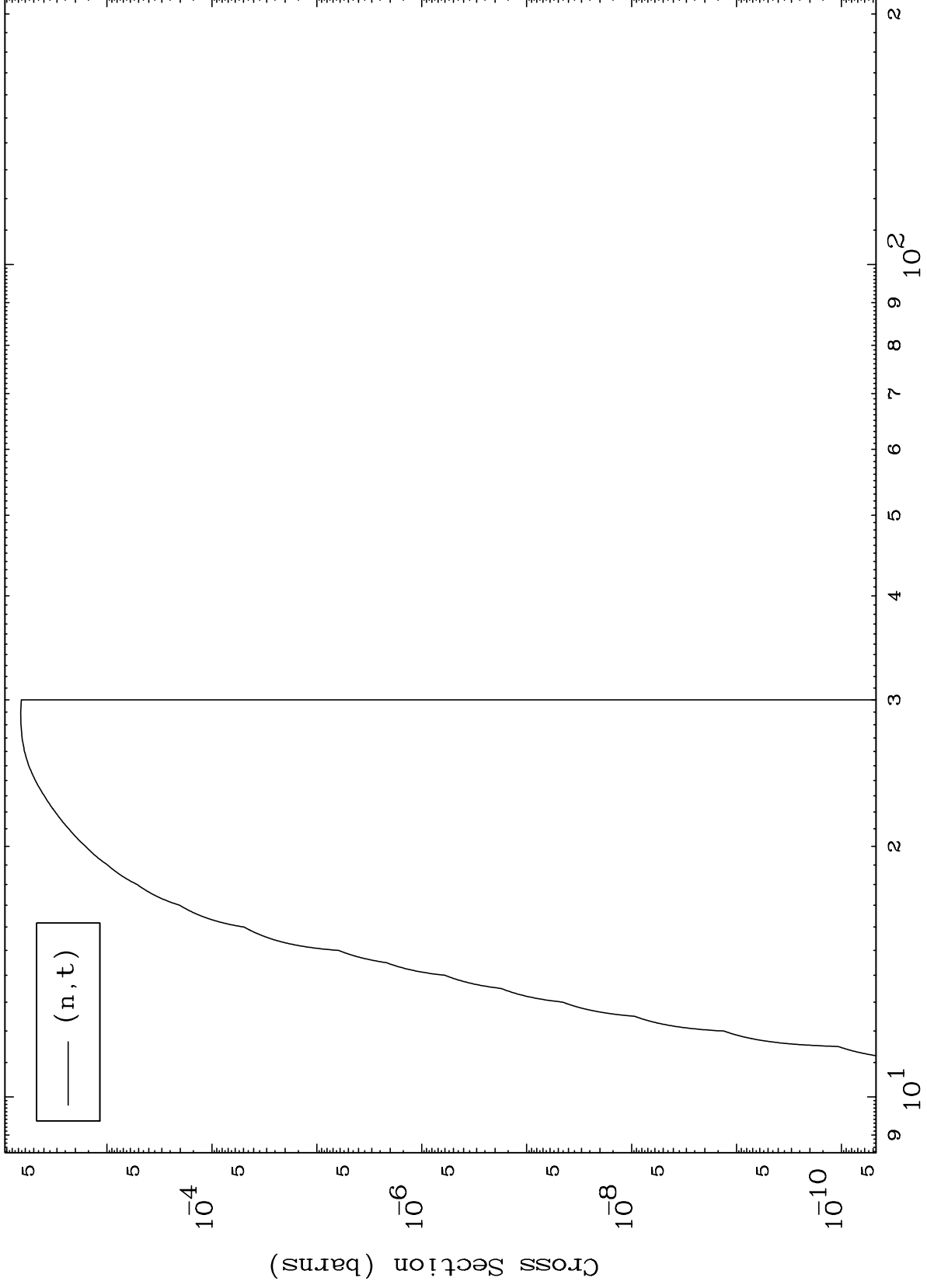
Incident Energy (MeV)

36-Kr-83m

MAT 3641

(n,t) Levels  
293 Kelvin Cross Sections

36-Kr-83m



12

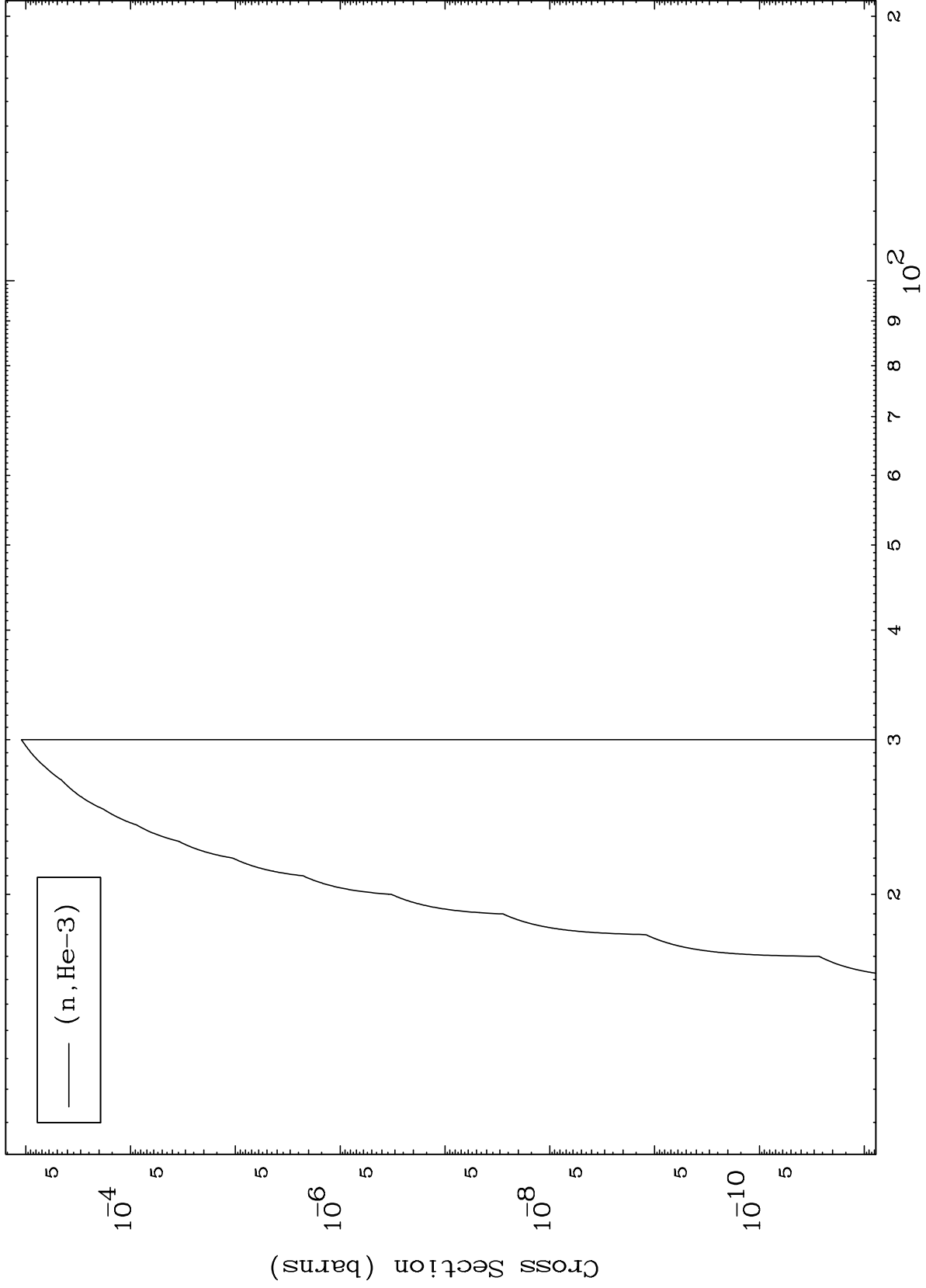
Incident Energy (MeV)

36-Kr-83m

MAT 3641

(n,He3) Levels  
293 Kelvin Cross Sections

36-Kr-83m



13

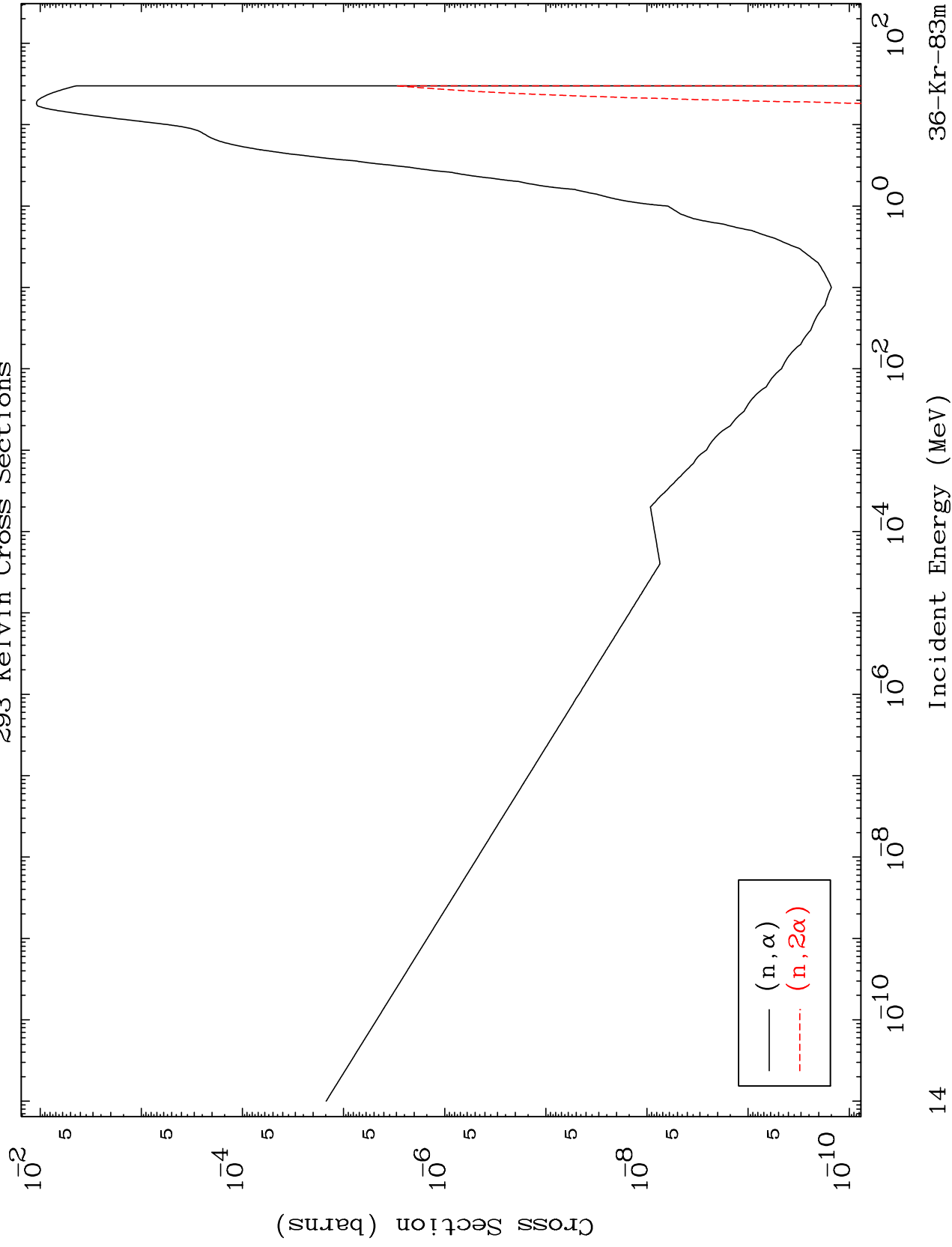
Incident Energy (MeV)

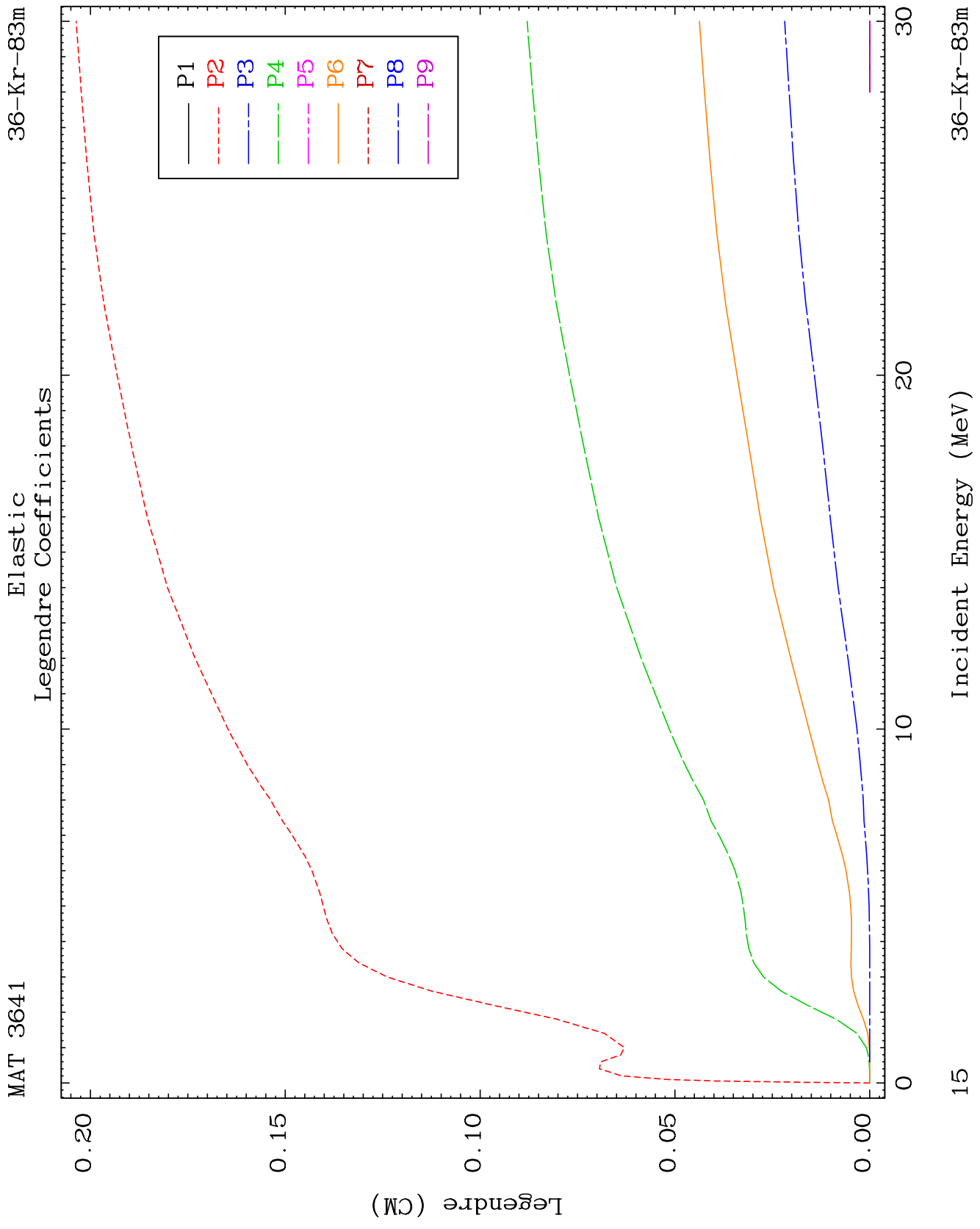
36-Kr-83m

MAT 3641

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

36-Kr-83m

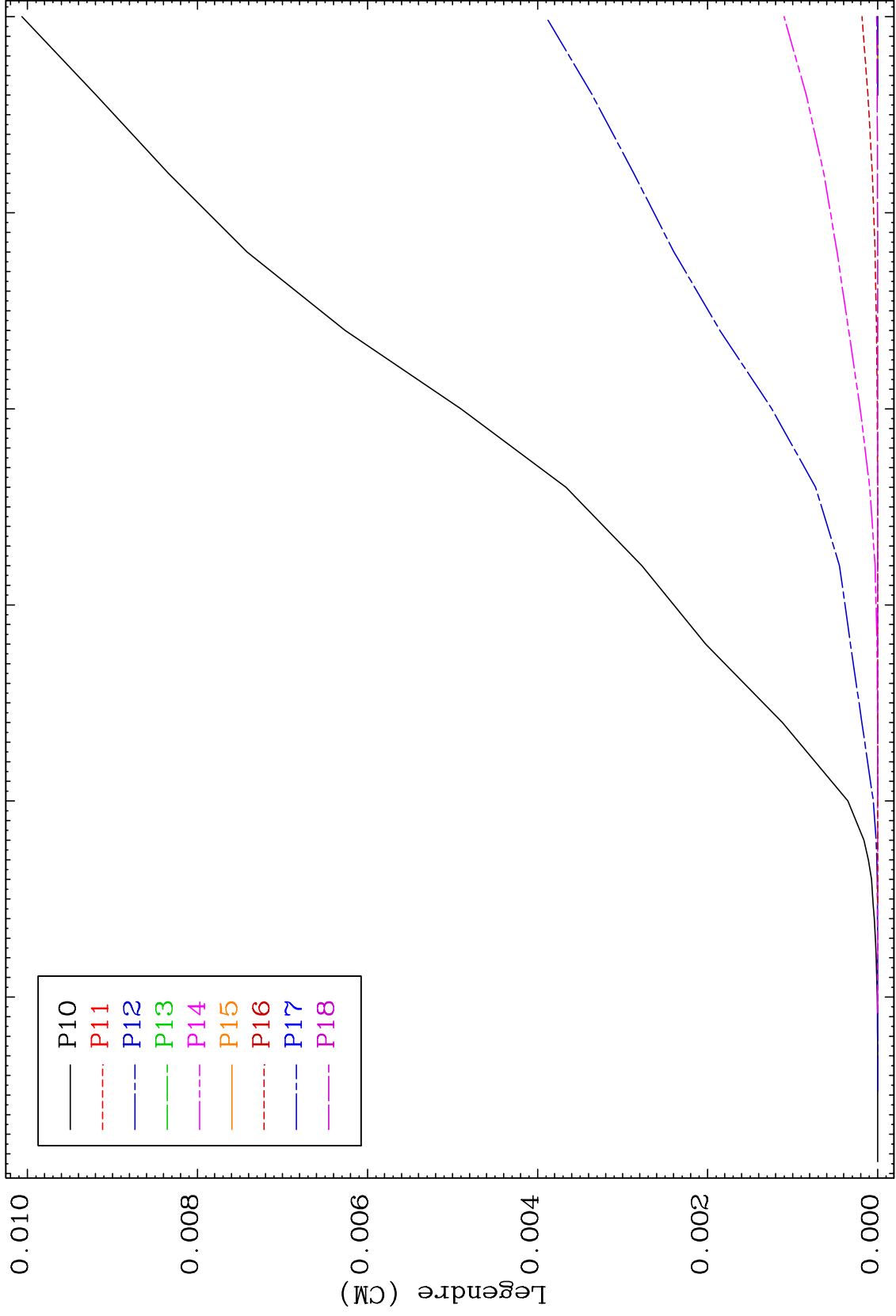




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Elastic Legendre Coefficients

<sup>36</sup>Kr-83m



16

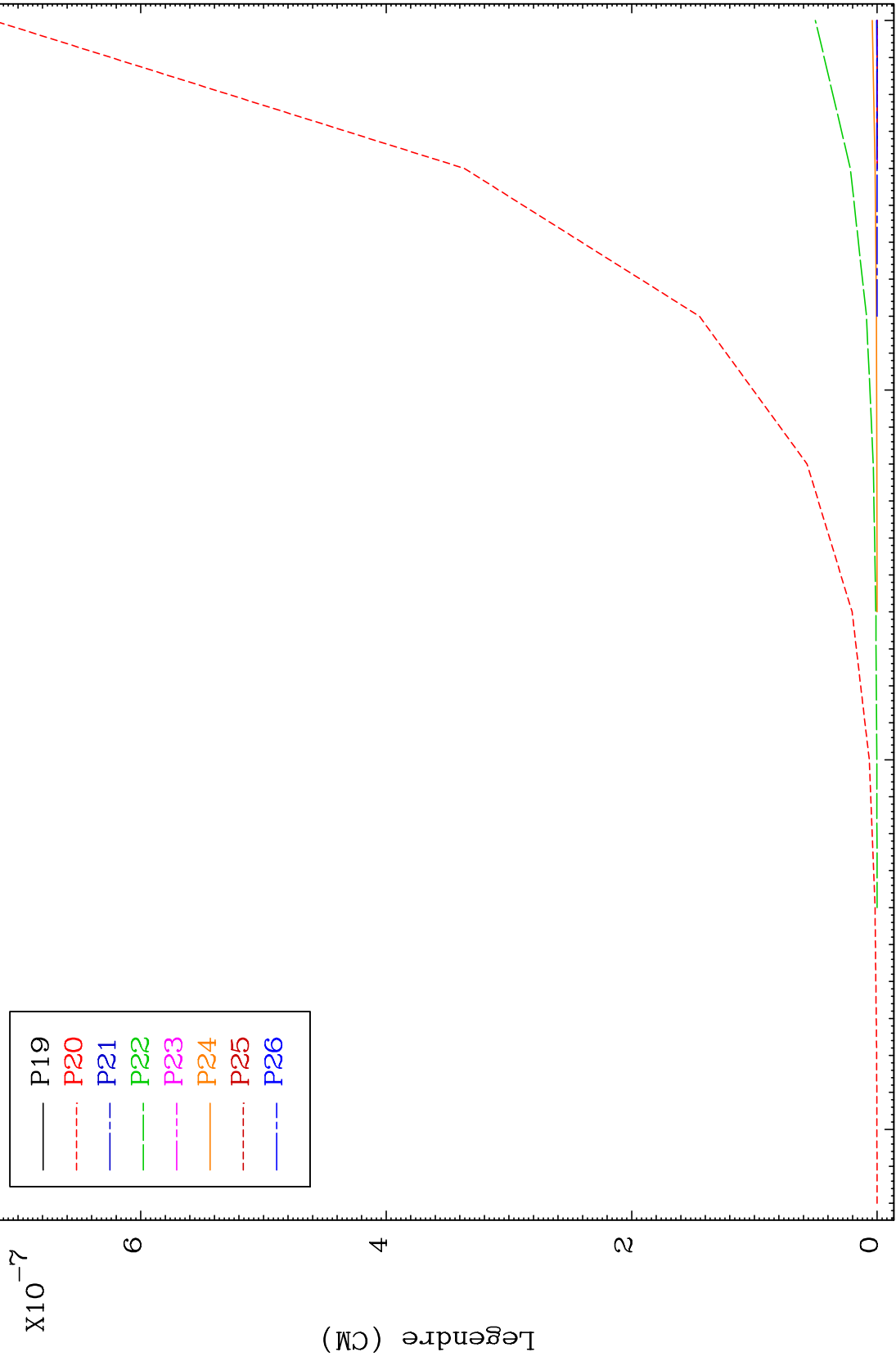
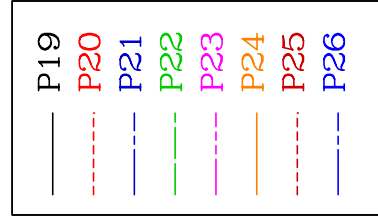
Incident Energy (MeV)

<sup>36</sup>Kr-83m

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### Elastic Legendre Coefficients

36-Kr-83m



17

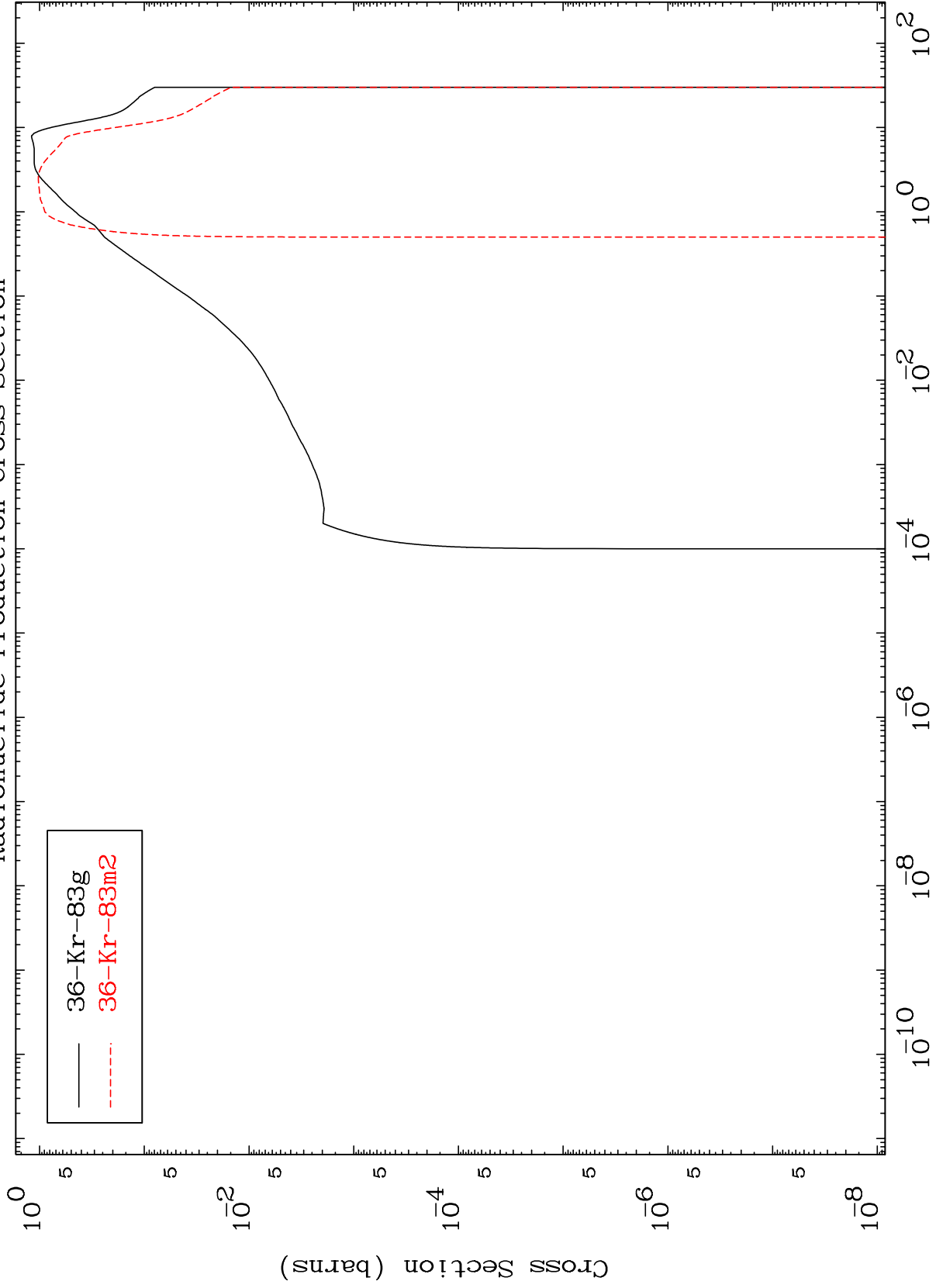
Incident Energy (MeV)

36-Kr-83m

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Inelastic  
Radionuclide Production Cross Section

<sup>36</sup>Kr-83m



— 36-Kr-83g  
- - - 36-Kr-83m2

Incident Energy (MeV)

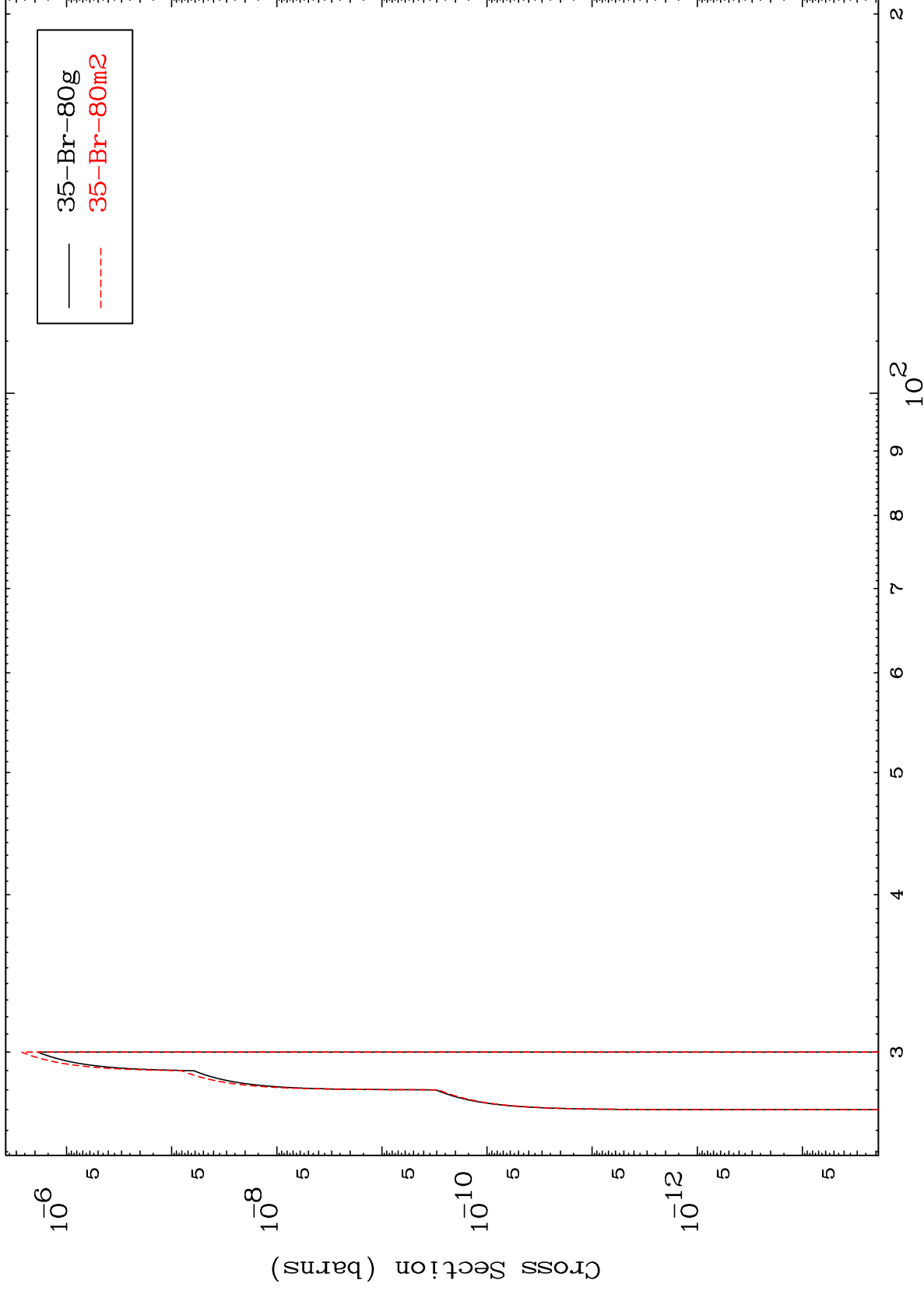
<sup>36</sup>Kr-83m

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(n,2n) d

36-Kr-83m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

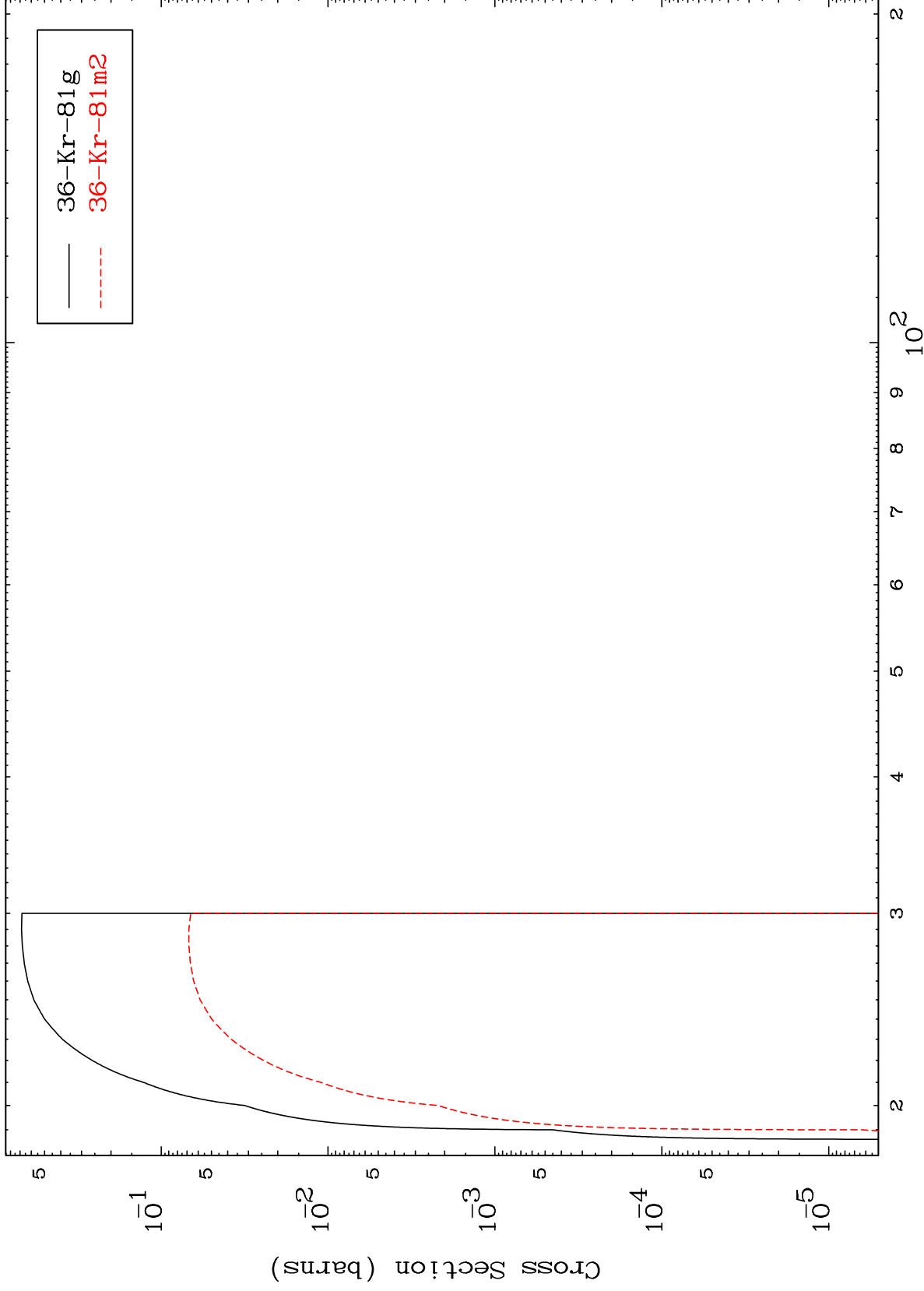
36-Kr-83m

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(n,3n)

36-Kr-83m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

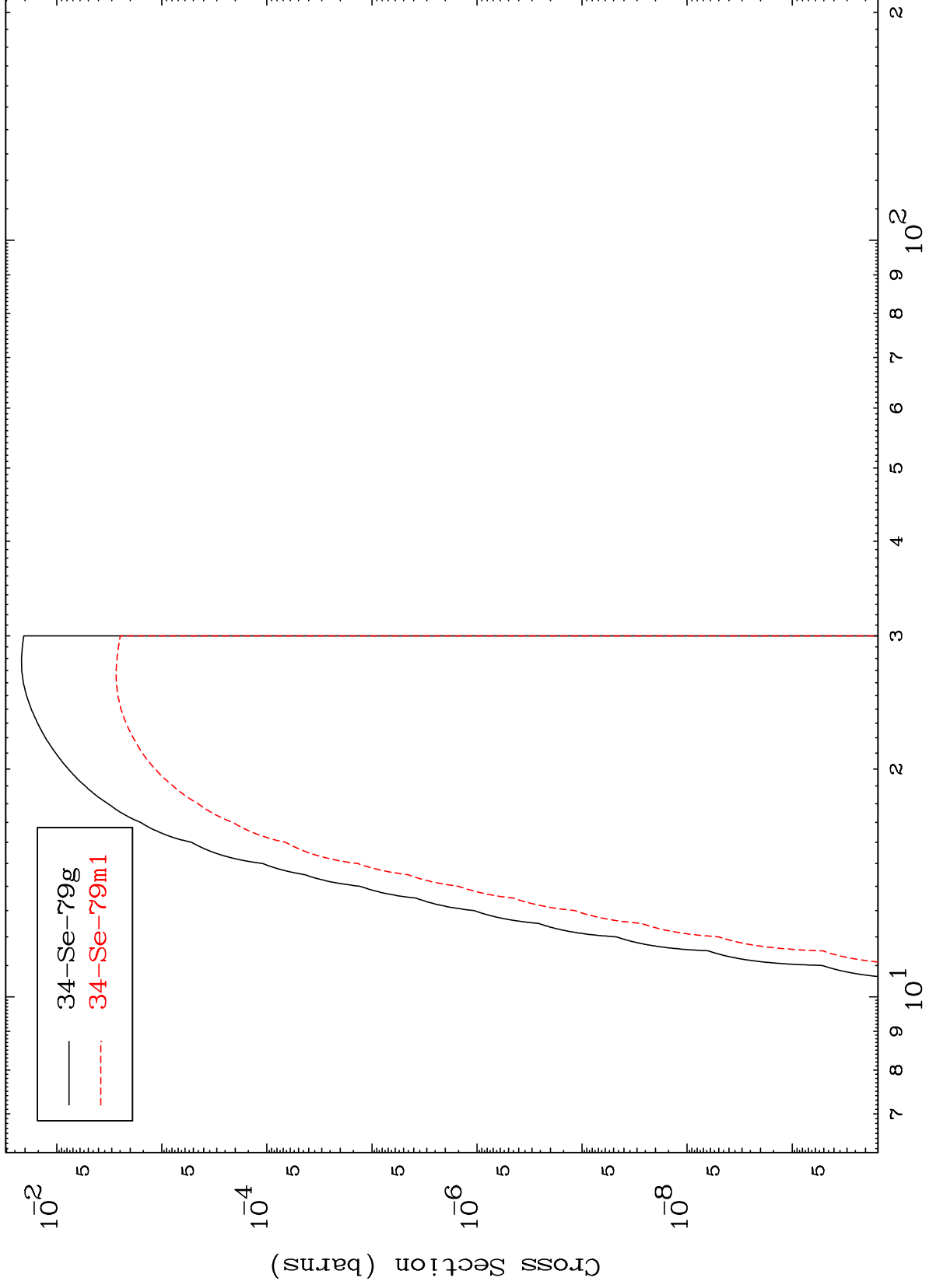
36-Kr-83m

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$(n, n') \alpha$

$^{36}\text{Kr-83m}$

Radionuclide Production Cross Section



21

Incident Energy (MeV)

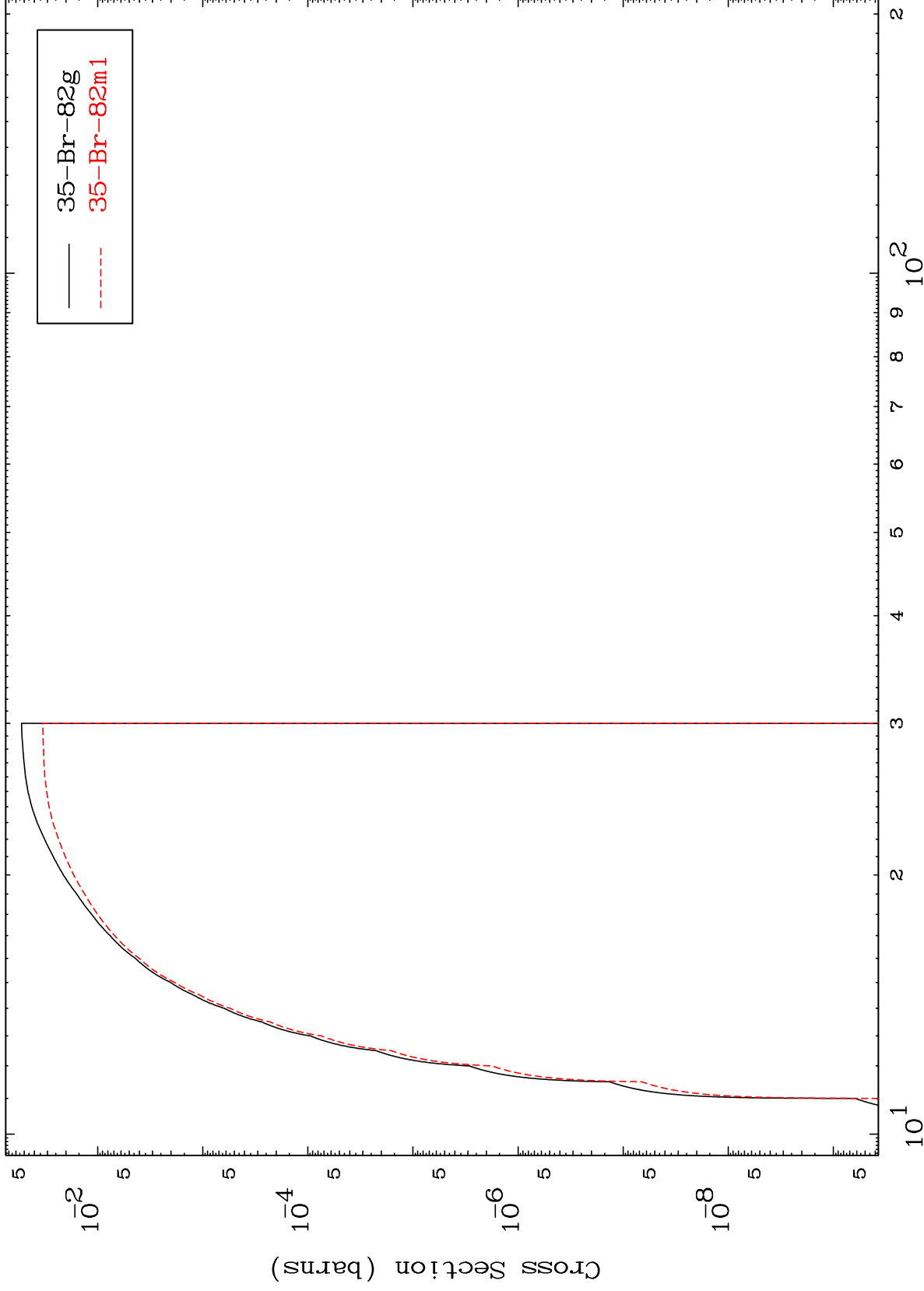
$^{36}\text{Kr-83m}$

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$(n, n')$  p

36-Kr-83m

Radionuclide Production Cross Section



Incident Energy (MeV)

36-Kr-83m

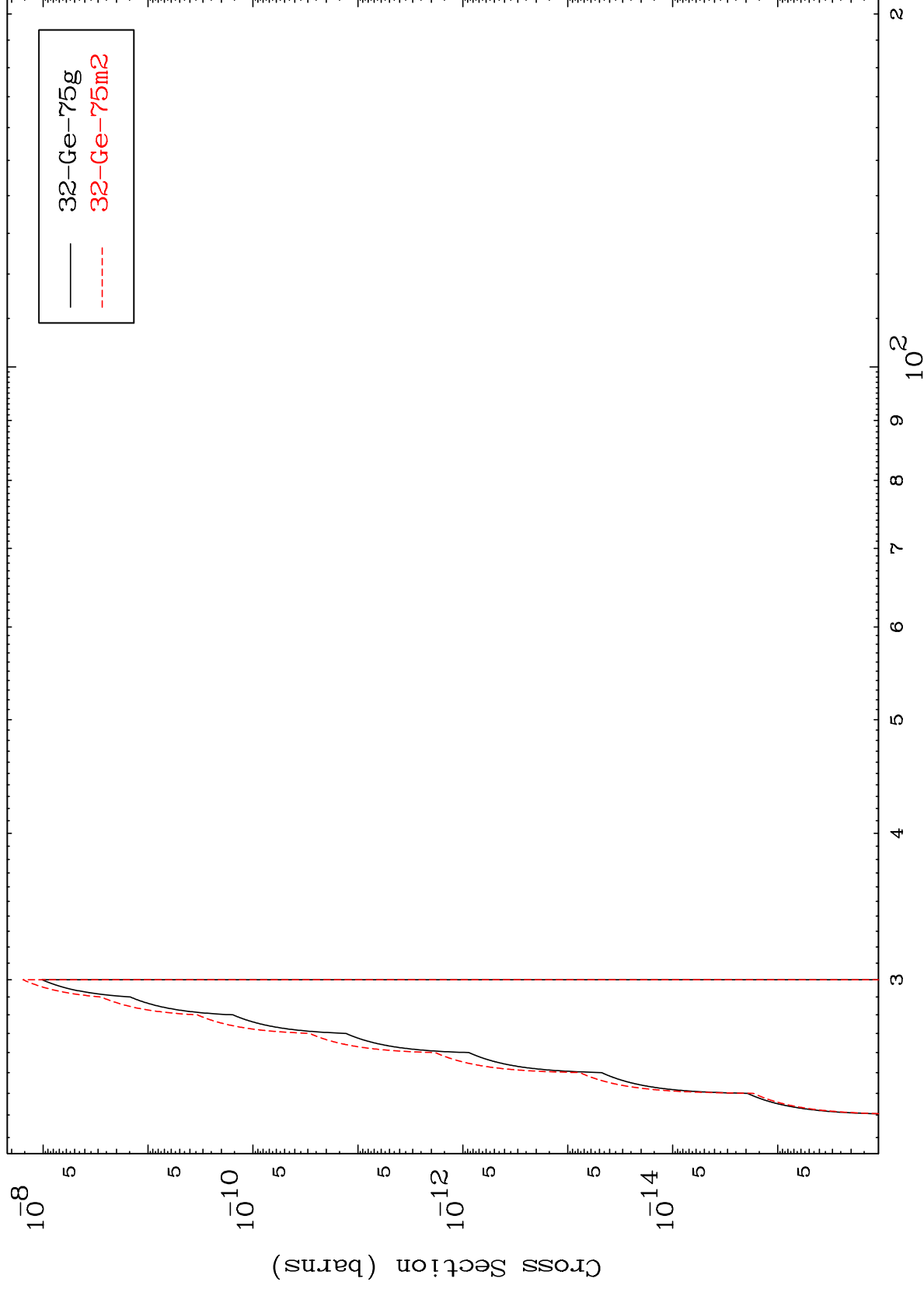
22

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(n,n') 2α

36-Kr-83m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

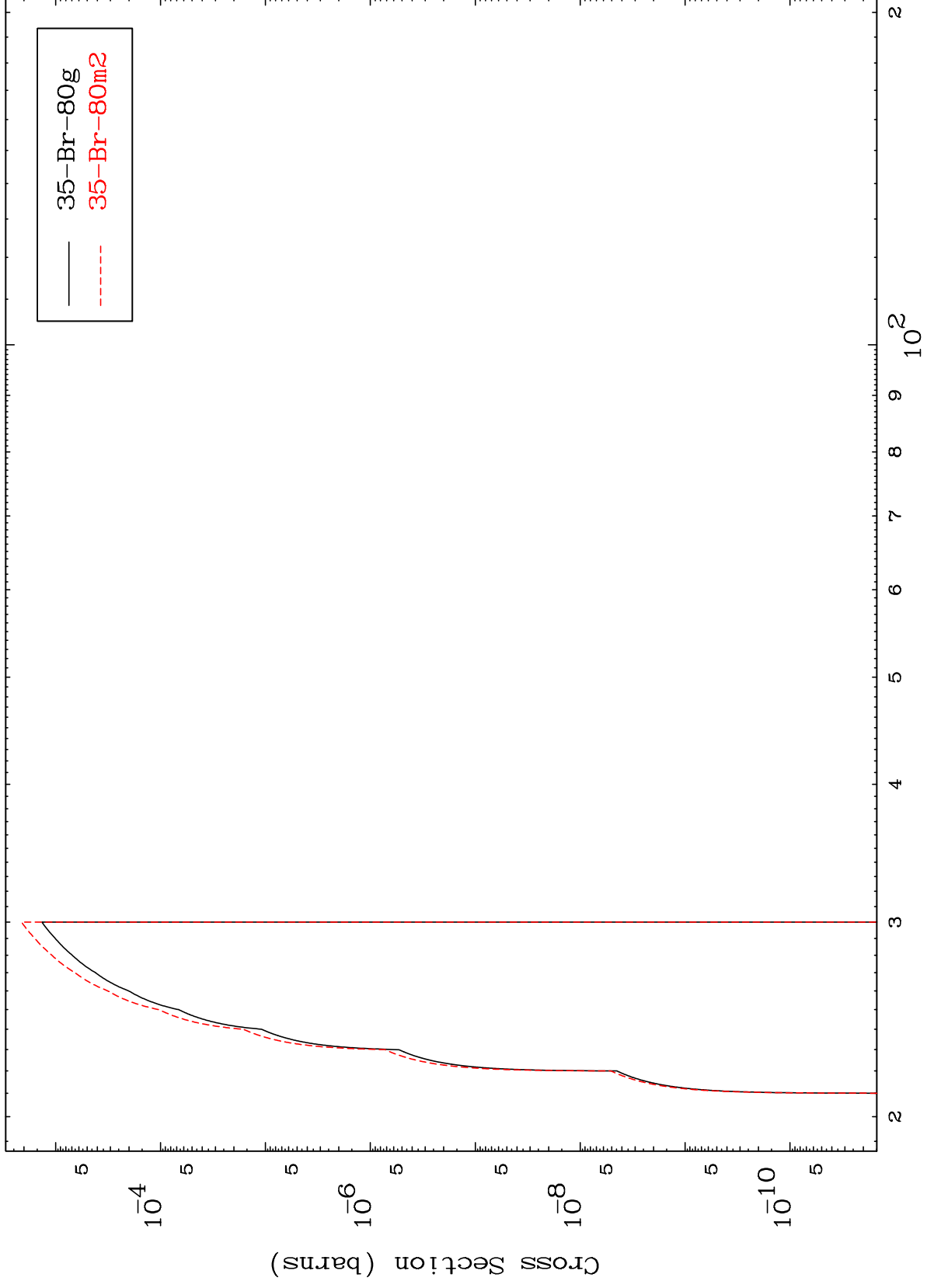
36-Kr-83m

MAT 3641

(n,n') t

36-Kr-83m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

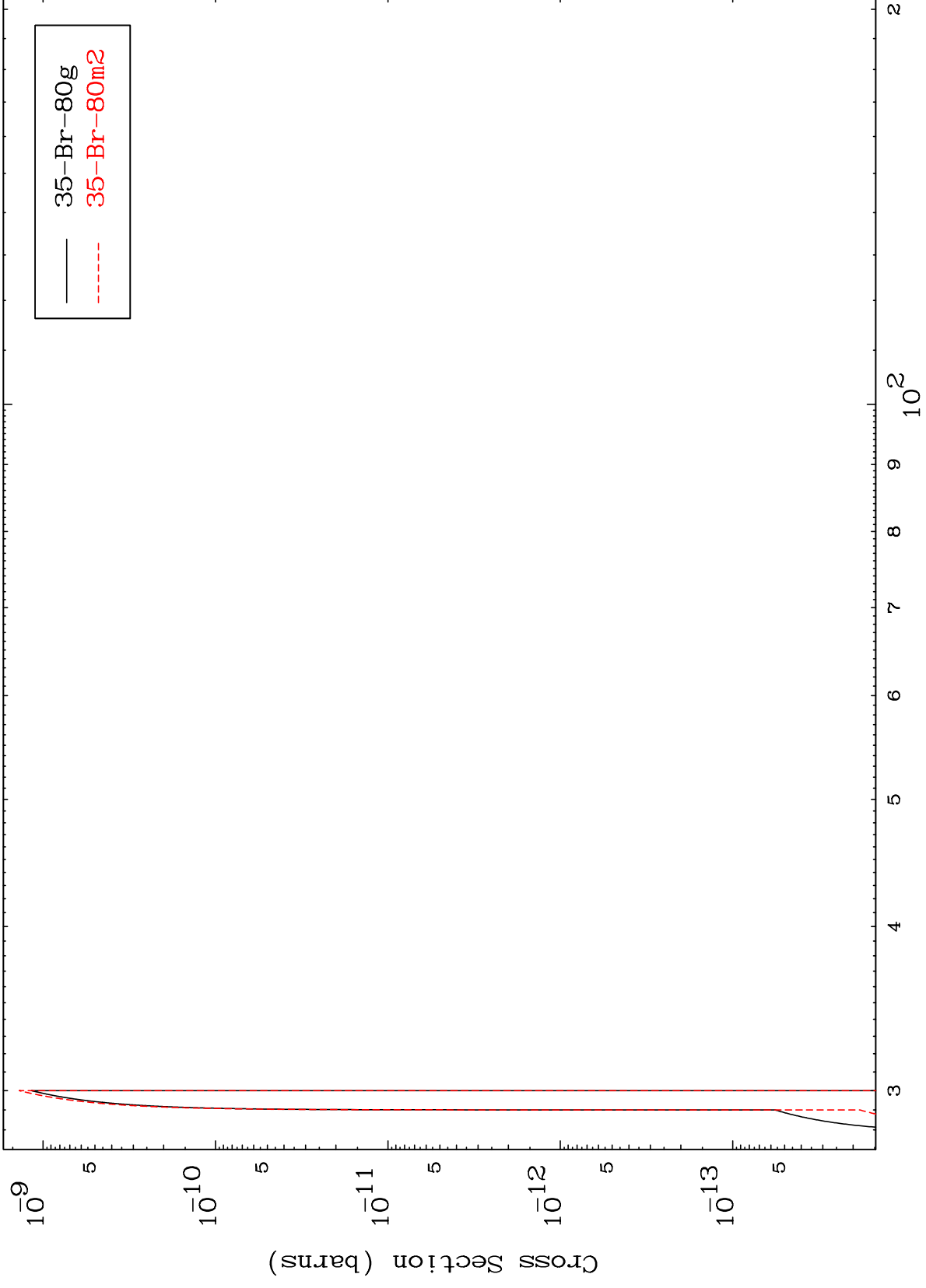
36-Kr-83m

MAT 3641

(n,3n) p

36-Kr-83m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

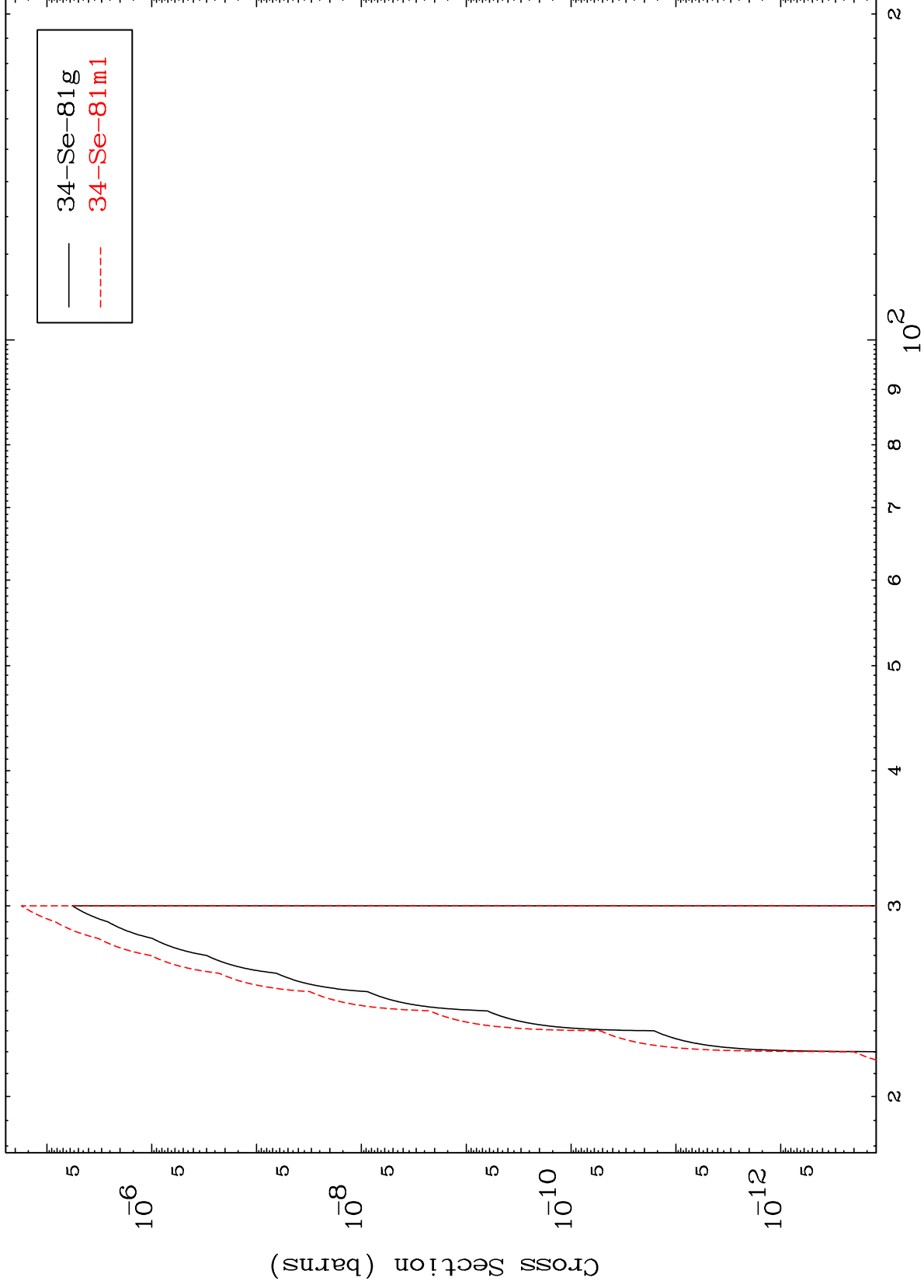
36-Kr-83m

MAT 3641

$(n,2n)$  p

$^{36}\text{Kr-83m}$

Radionuclide Production Cross Section



26

Incident Energy (MeV)

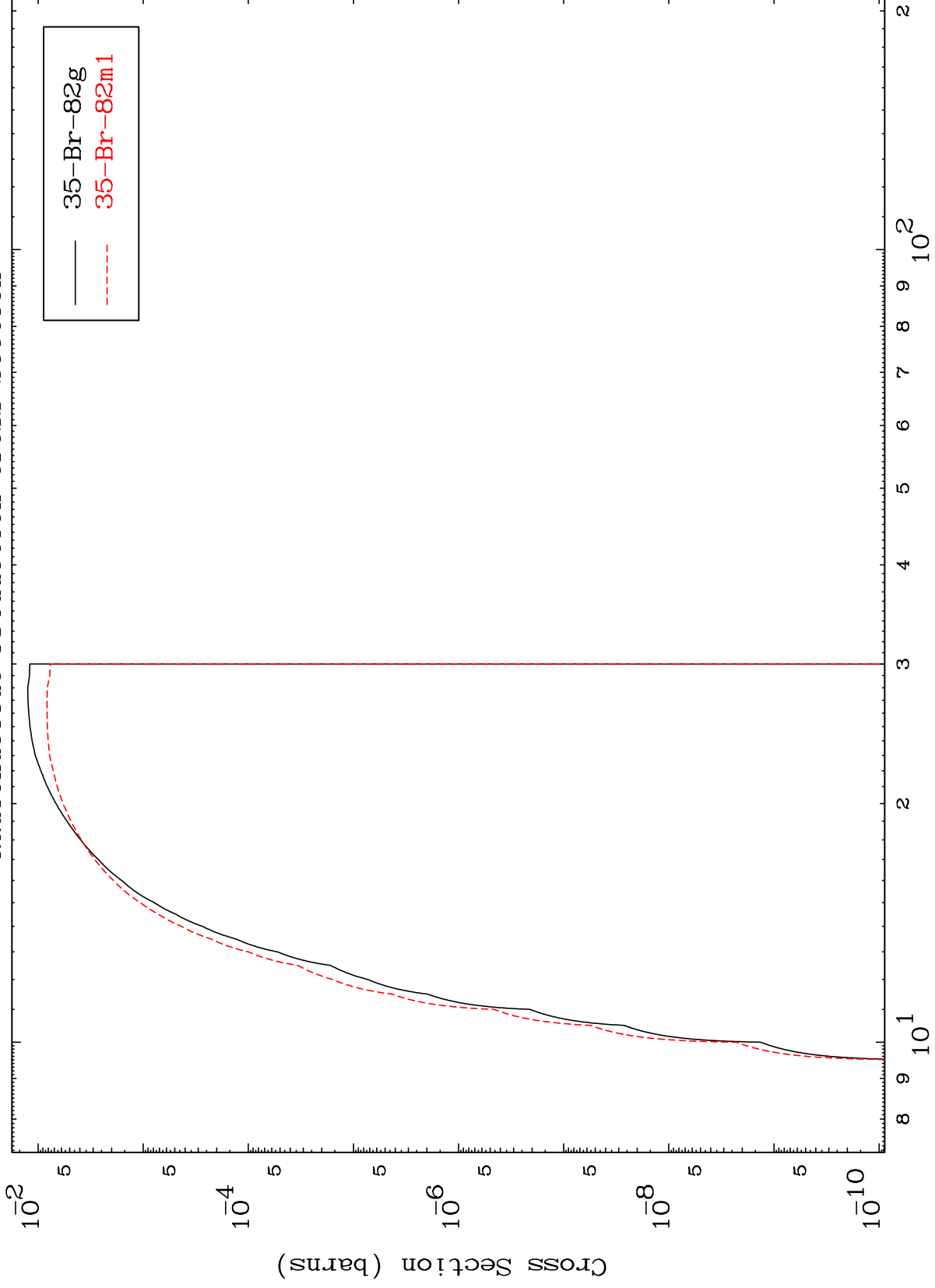
$^{36}\text{Kr-83m}$

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(n,d)

36-Kr-83m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

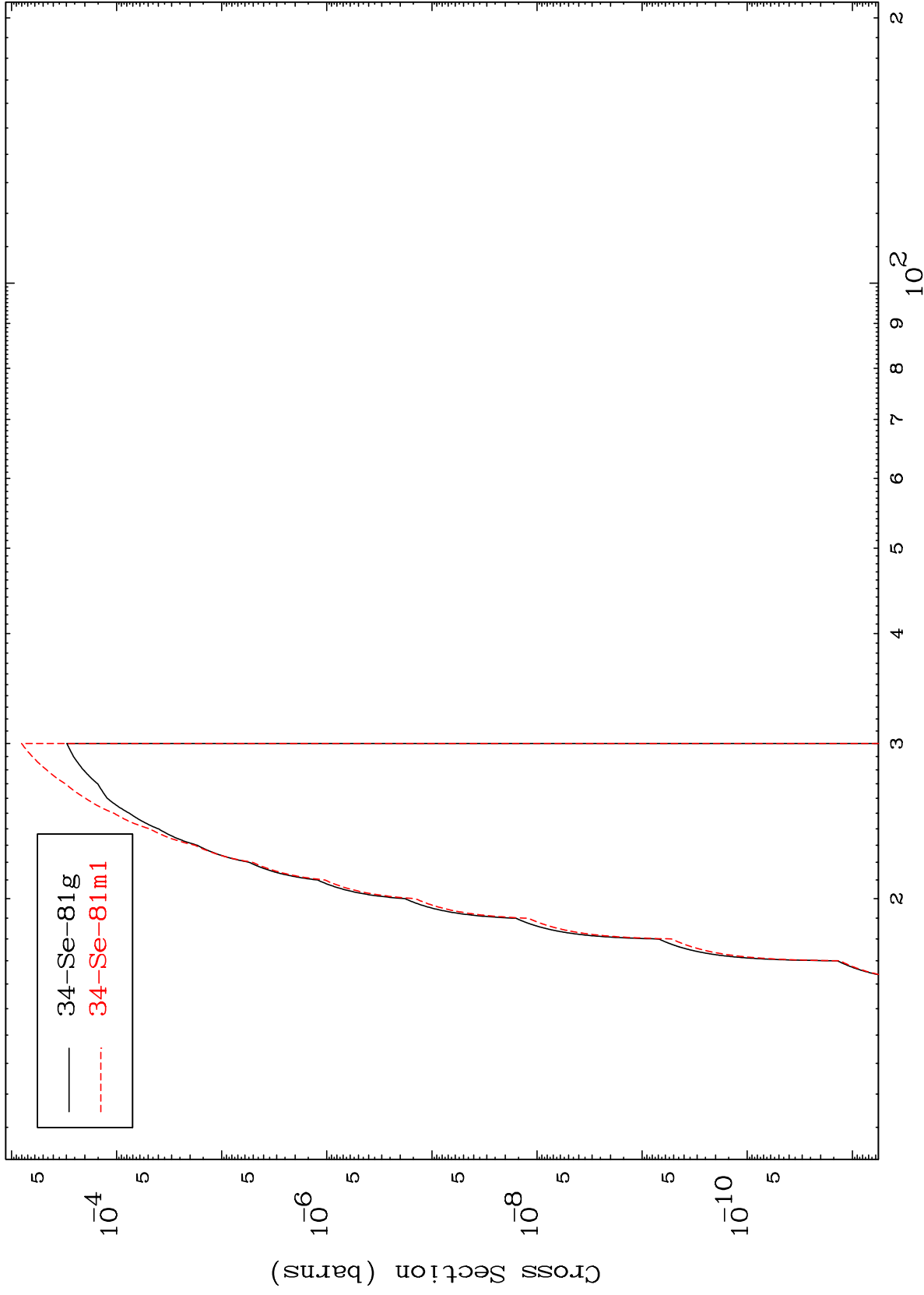
36-Kr-83m

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(n,He-3)

36-Kr-83m

Radionuclide Production Cross Section



28

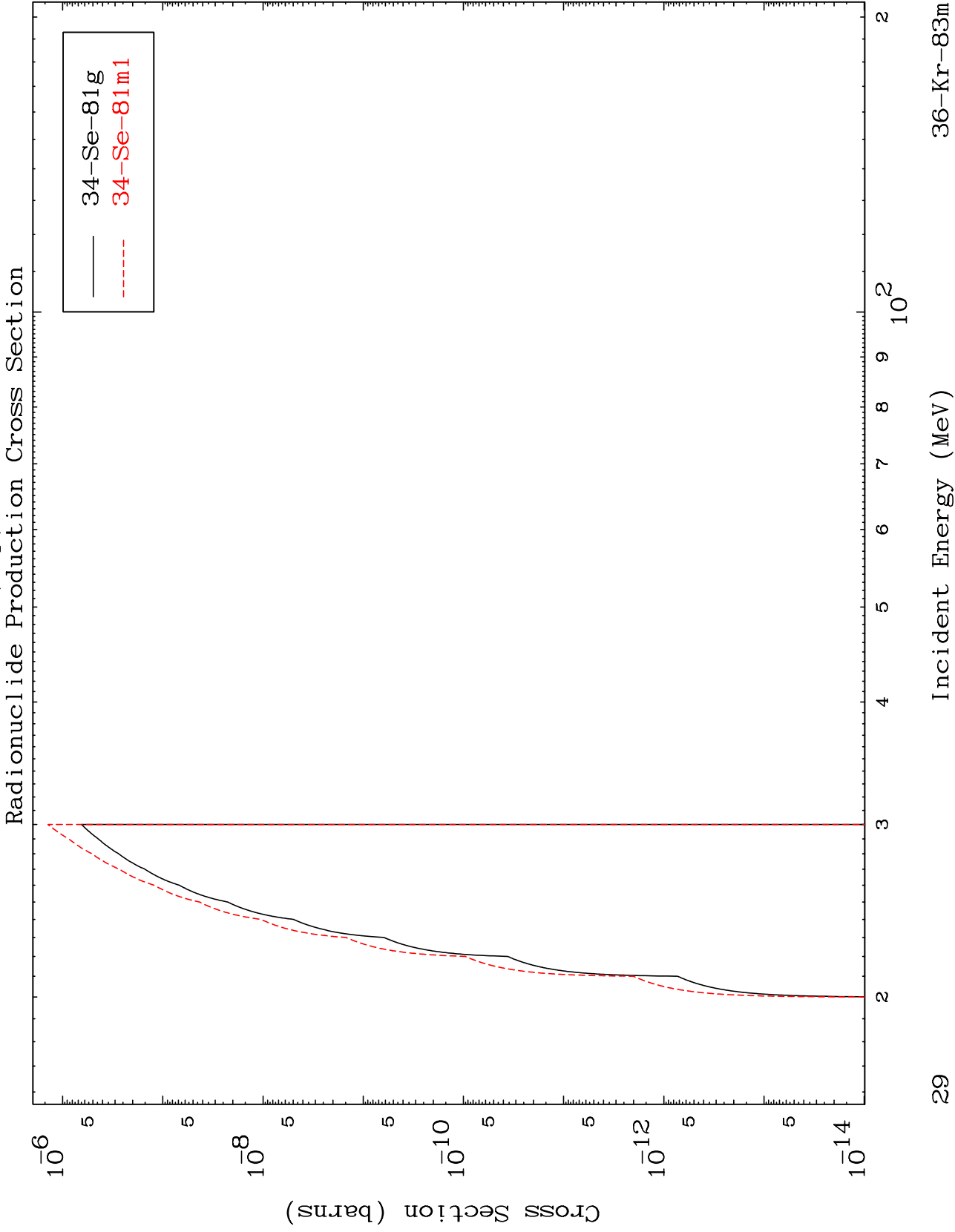
Incident Energy (MeV)

36-Kr-83m

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(n,p) d

<sup>36</sup>Kr-<sup>83</sup>m



29

Incident Energy (MeV)

<sup>36</sup>Kr-<sup>83</sup>m