

Program EVALPLOT
(Version 2021-1)

by

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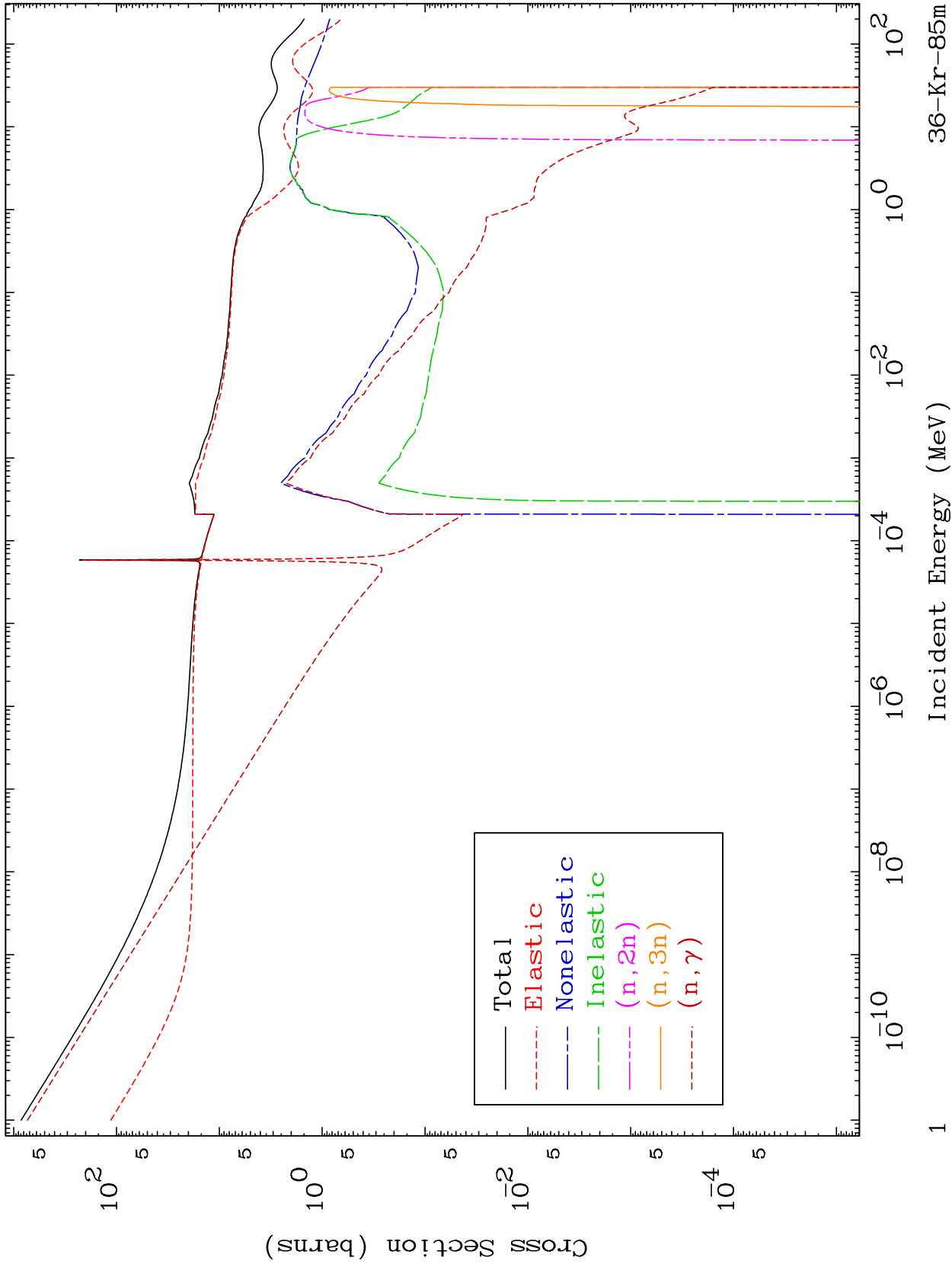
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3647

Neutron Major
293 Kelvin Cross Sections

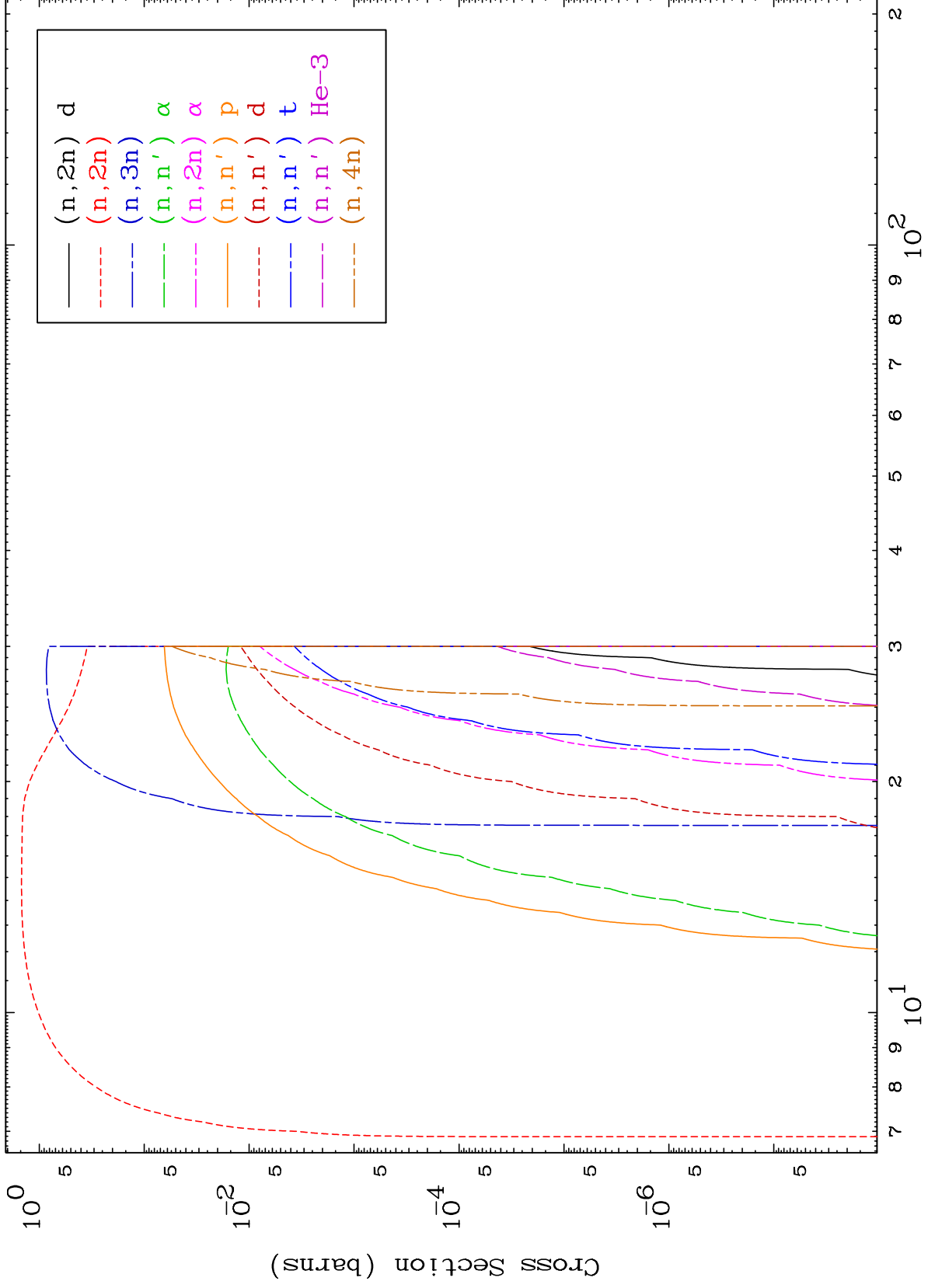
36-Kr-85m



MAT 3647

Neutron Absorption
293 Kelvin Cross Sections

³⁶Kr-85m



2

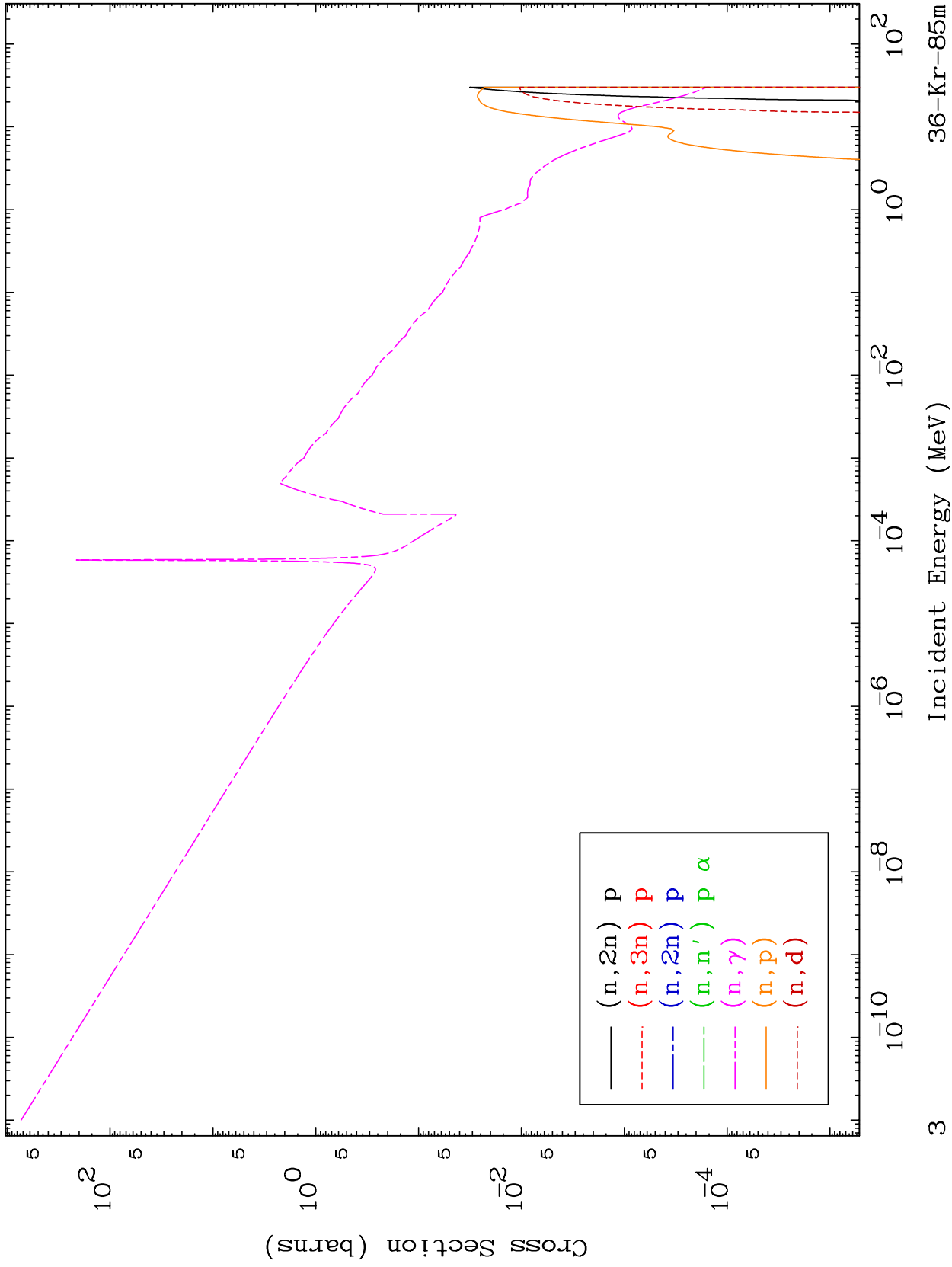
Incident Energy (MeV)

³⁶Kr-85m

MAT 3647

Neutron Absorption
293 Kelvin Cross Sections

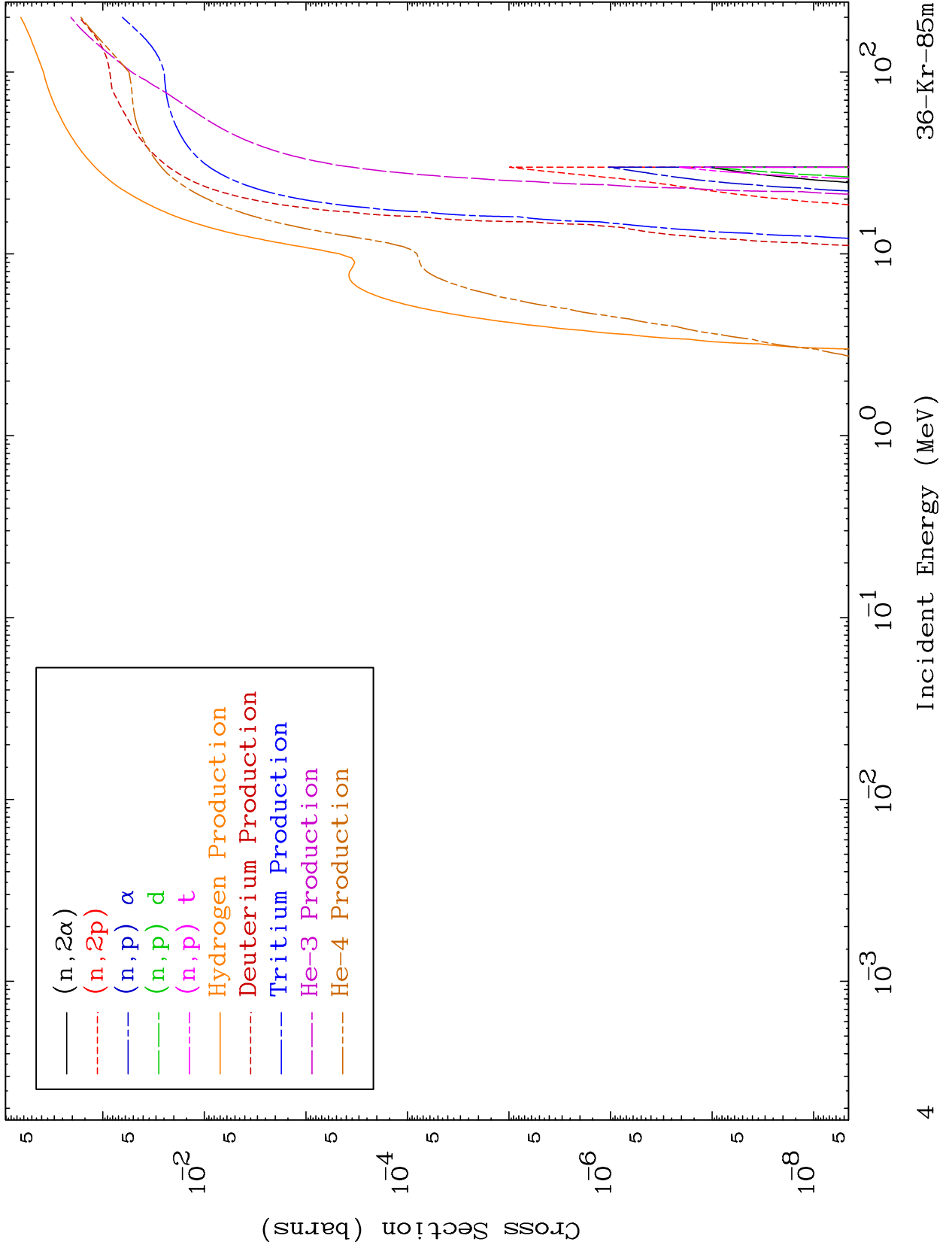
36-Kr-85m



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Neutron Absorption
293 Kelvin Cross Sections

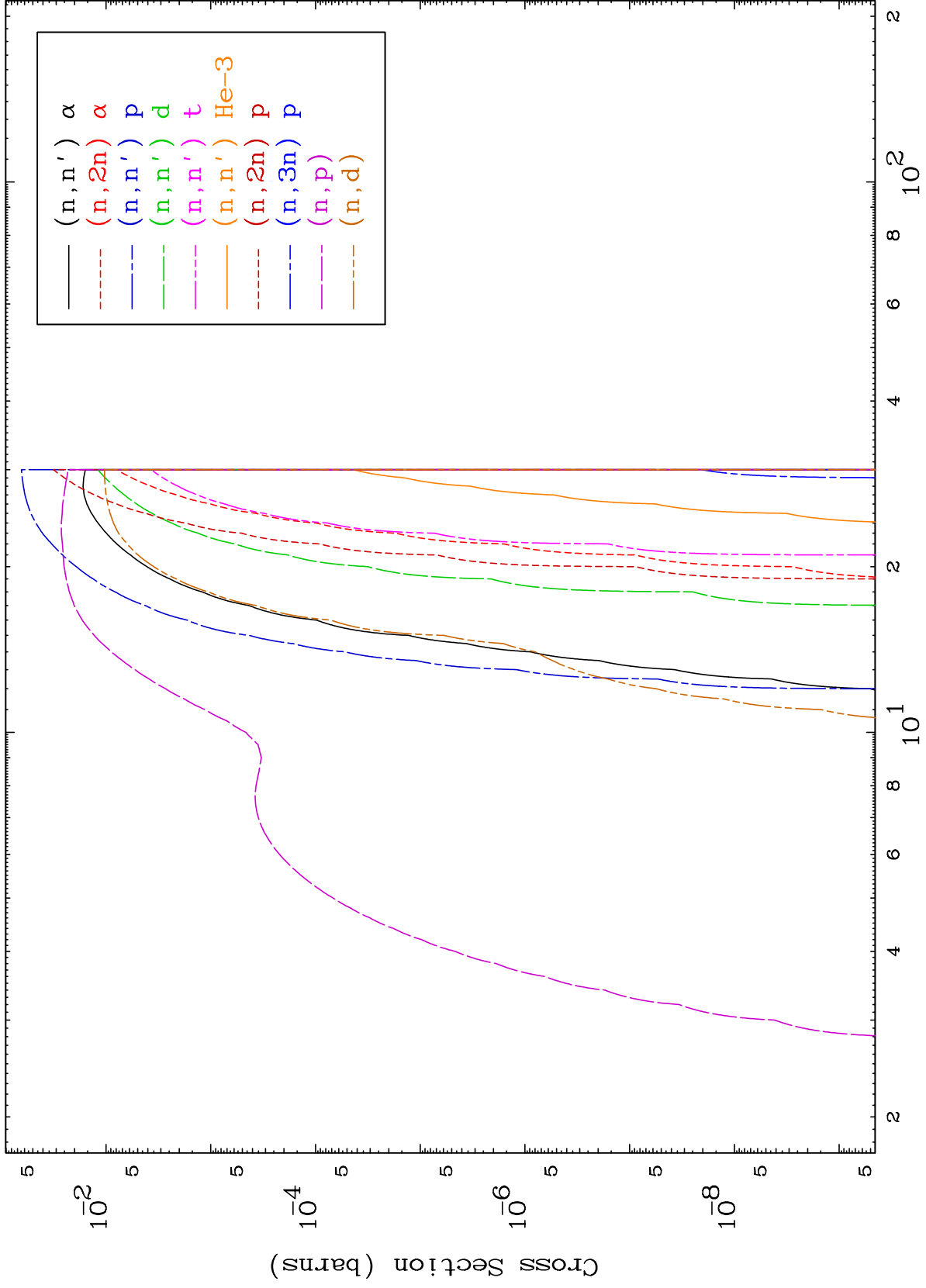
³⁶Kr-85m



MAT 3647

Charged Particle
293 Kelvin Cross Sections

36-Kr-85m



5

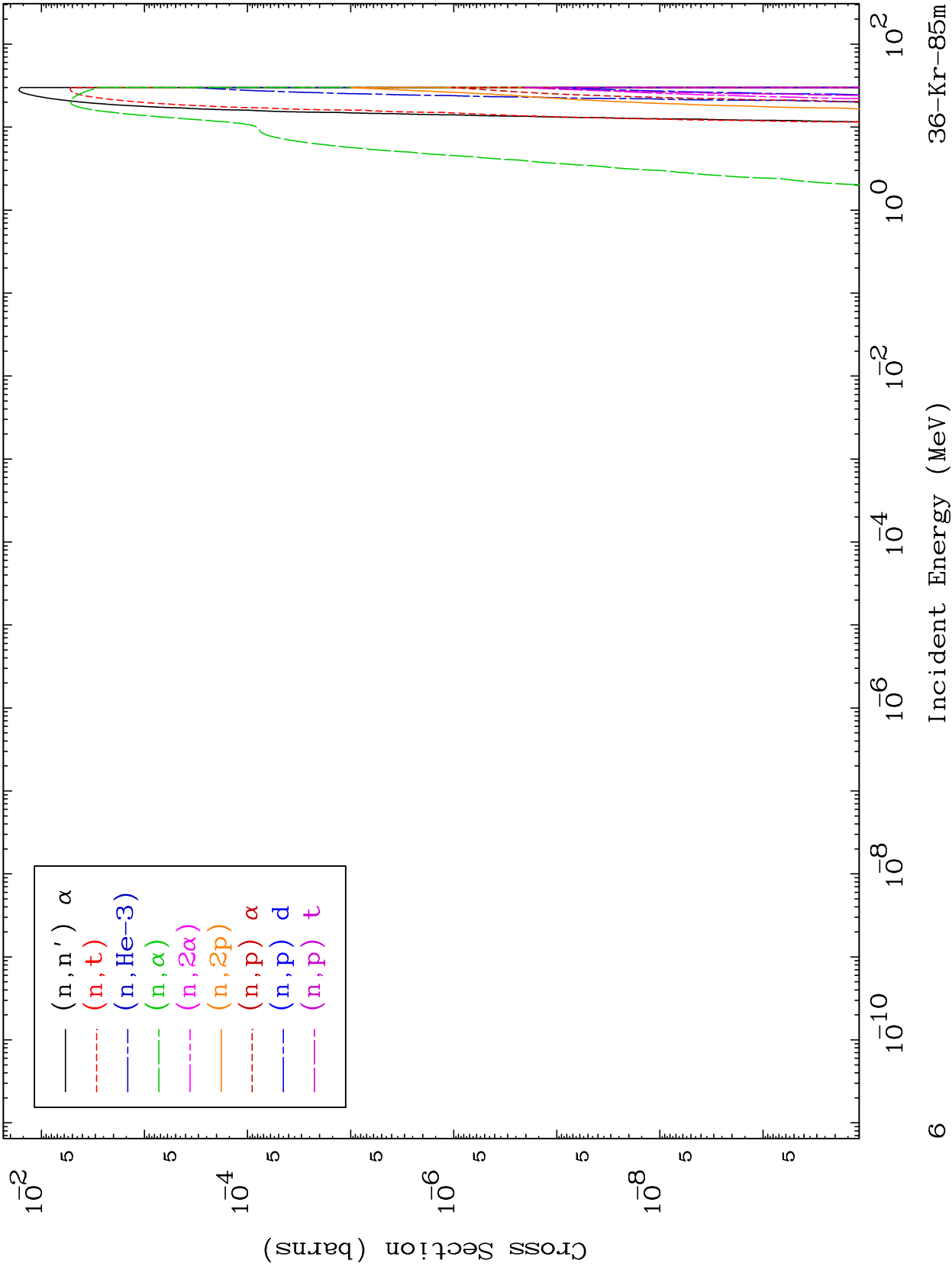
Incident Energy (MeV)

36-Kr-85m

MAT 3647

Charged Particle
293 Kelvin Cross Sections

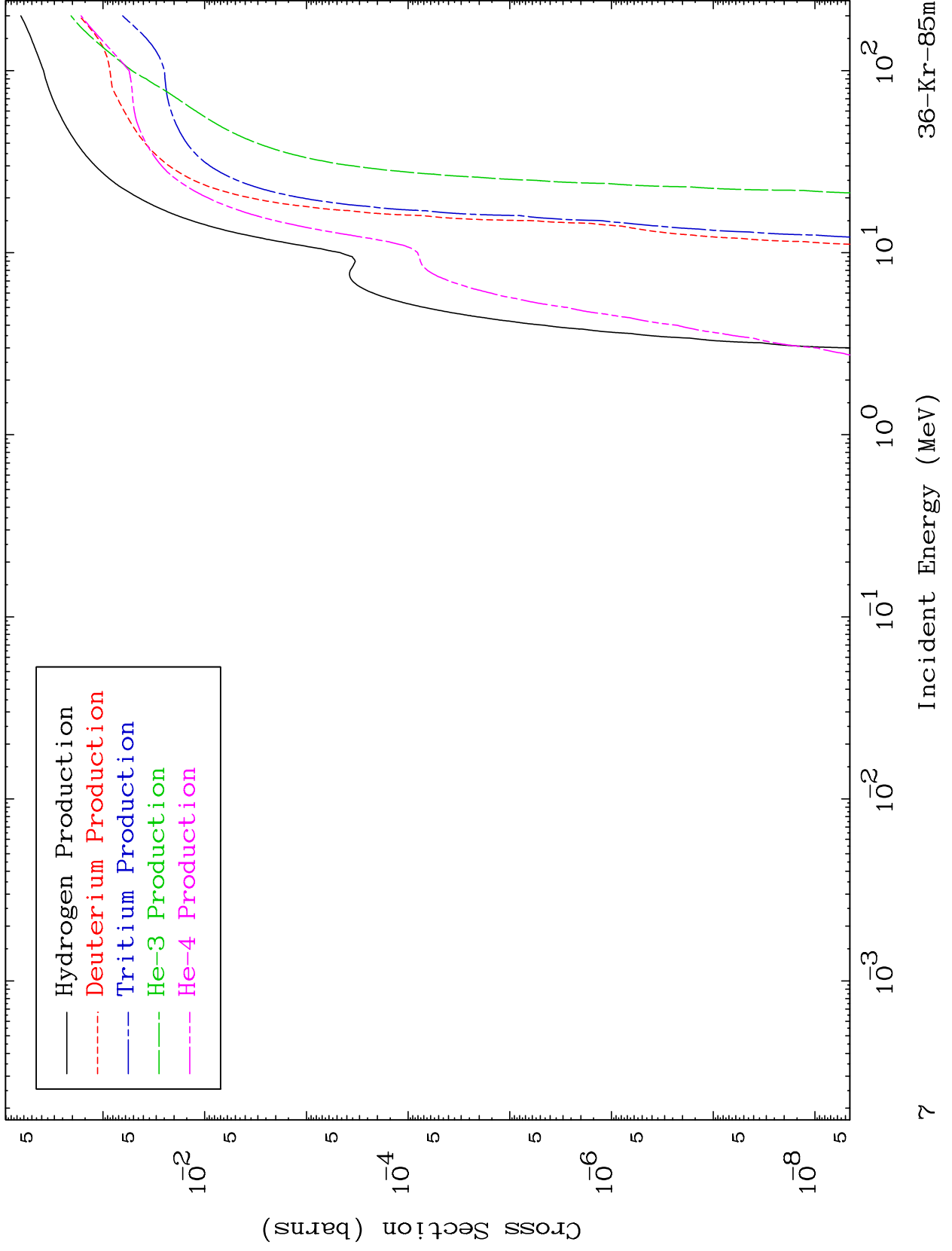
36-Kr-85m



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Particle Production
293 Kelvin Cross Sections

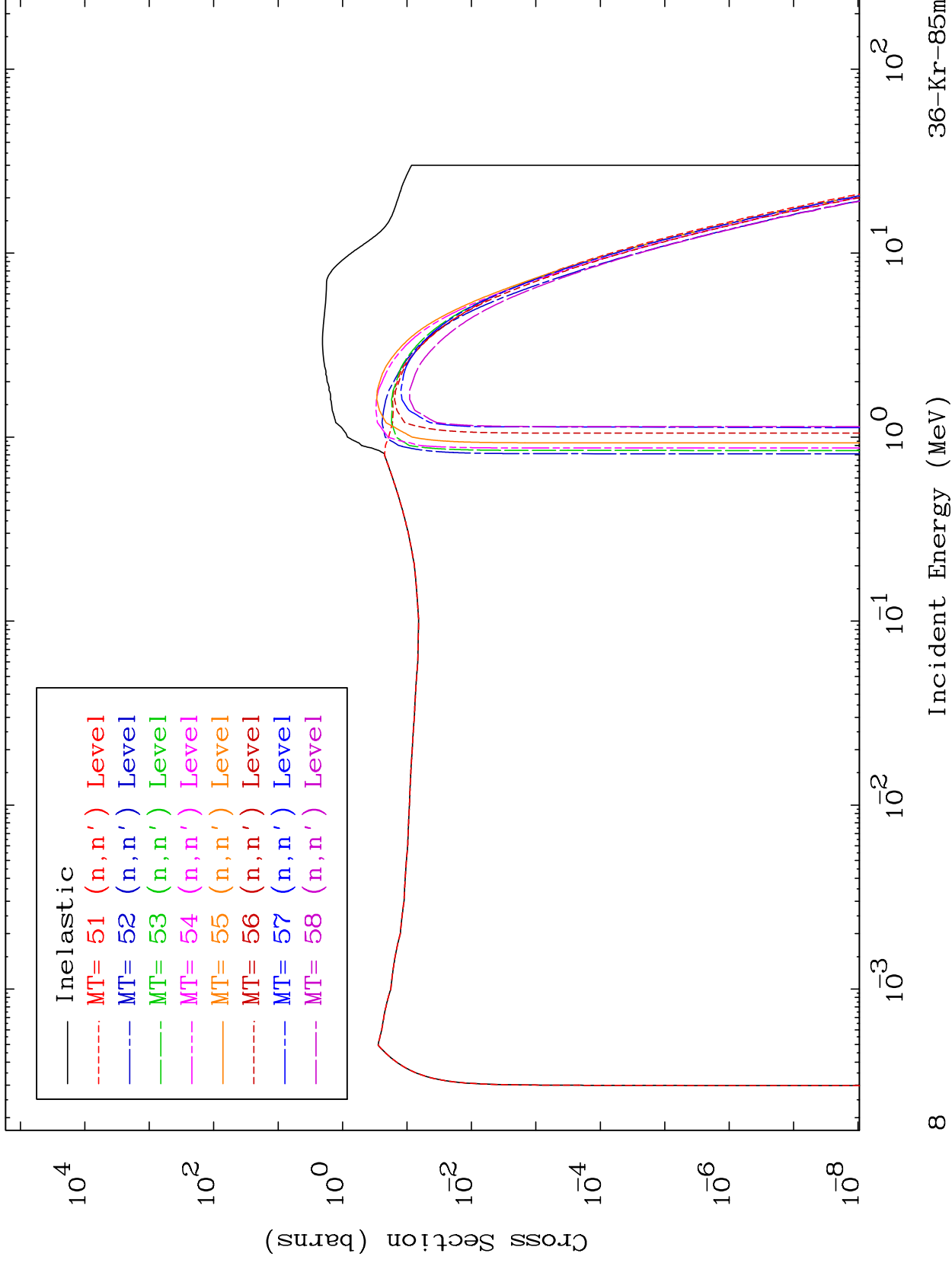
36-Kr-85m



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(n,n') Levels
293 Kelvin Cross Sections

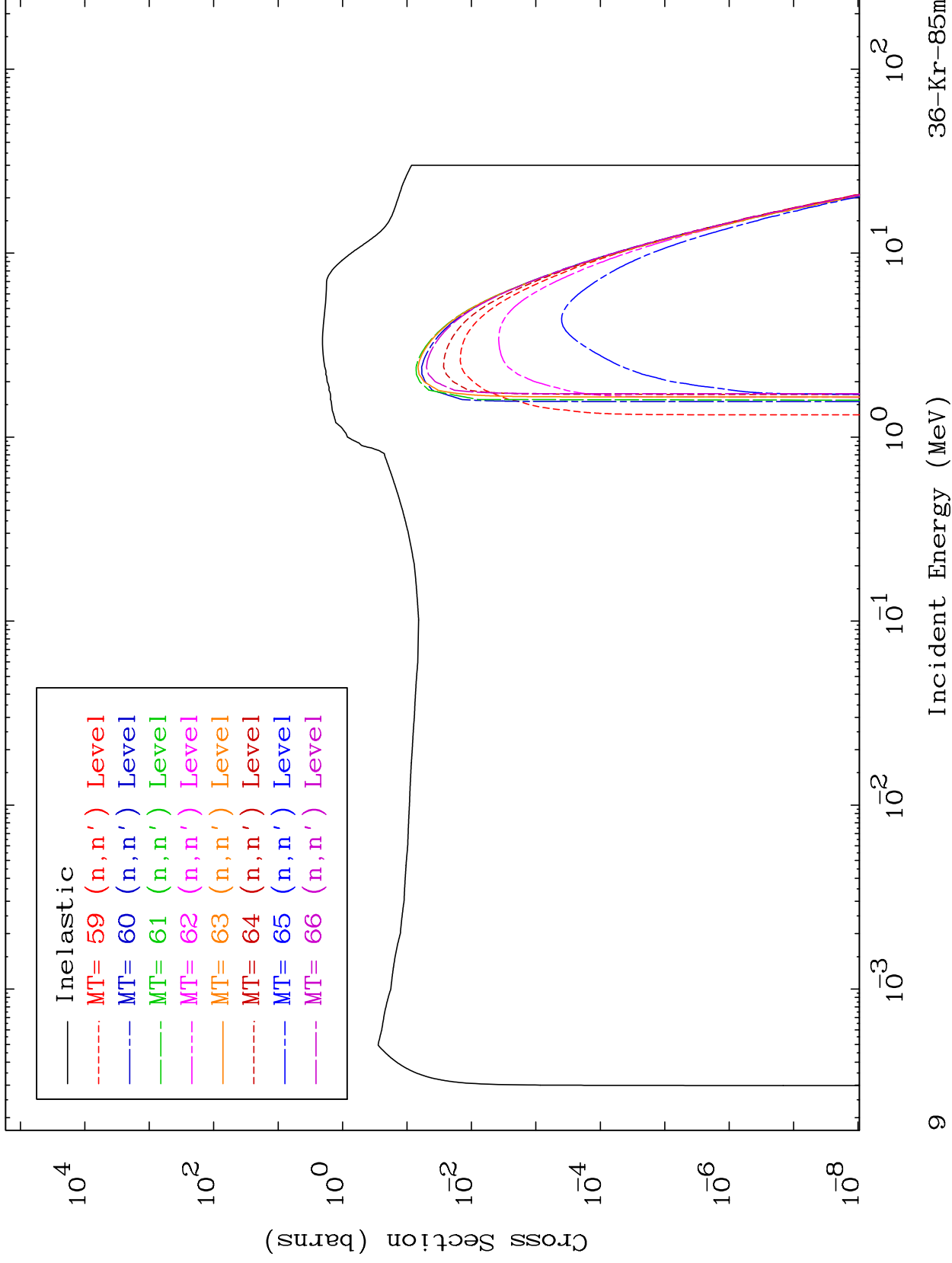
36-Kr-85m



MAT 3647

(n,n') Levels
293 Kelvin Cross Sections

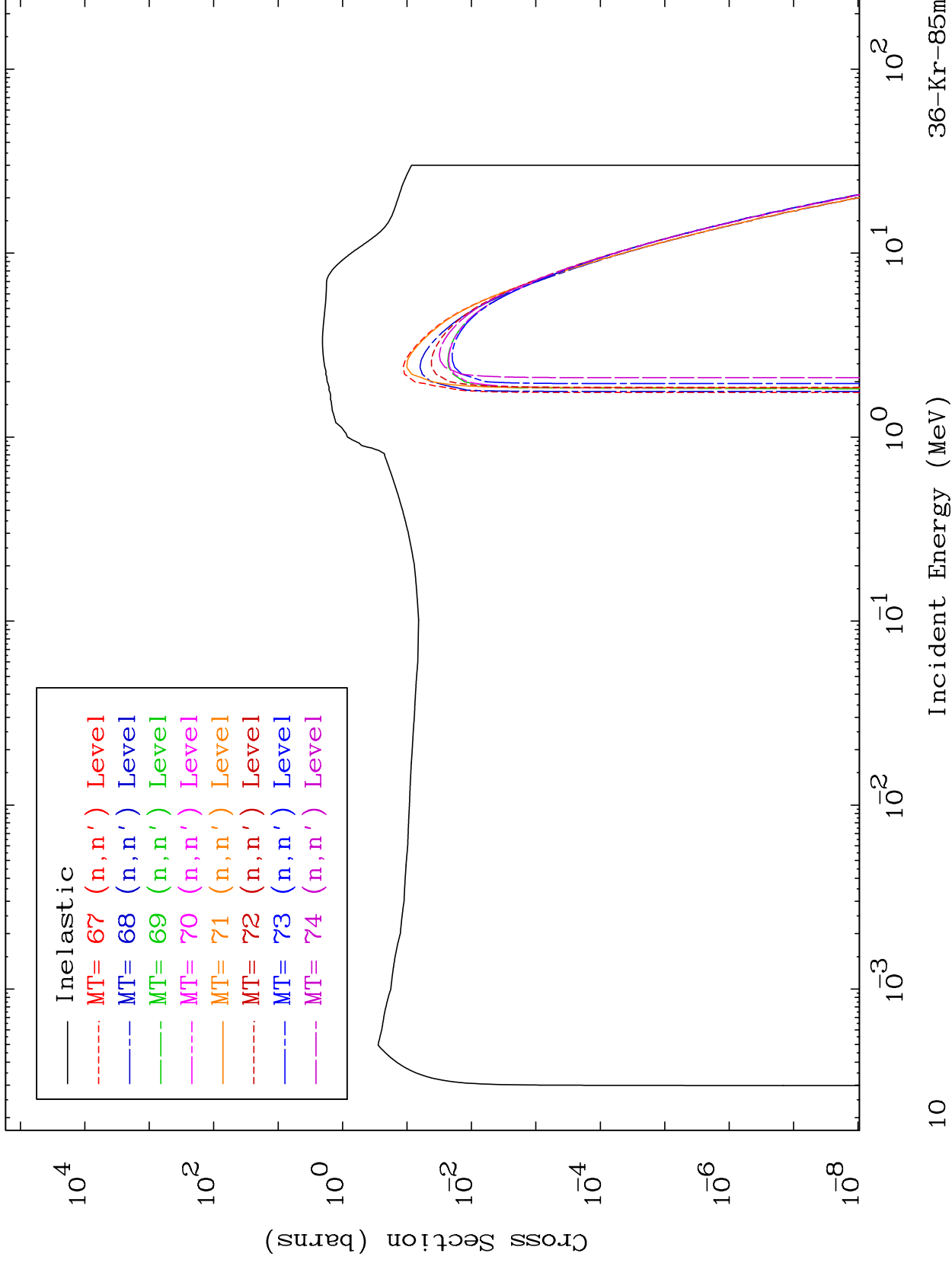
36-Kr-85m



MAT 3647

(n,n') Levels
293 Kelvin Cross Sections

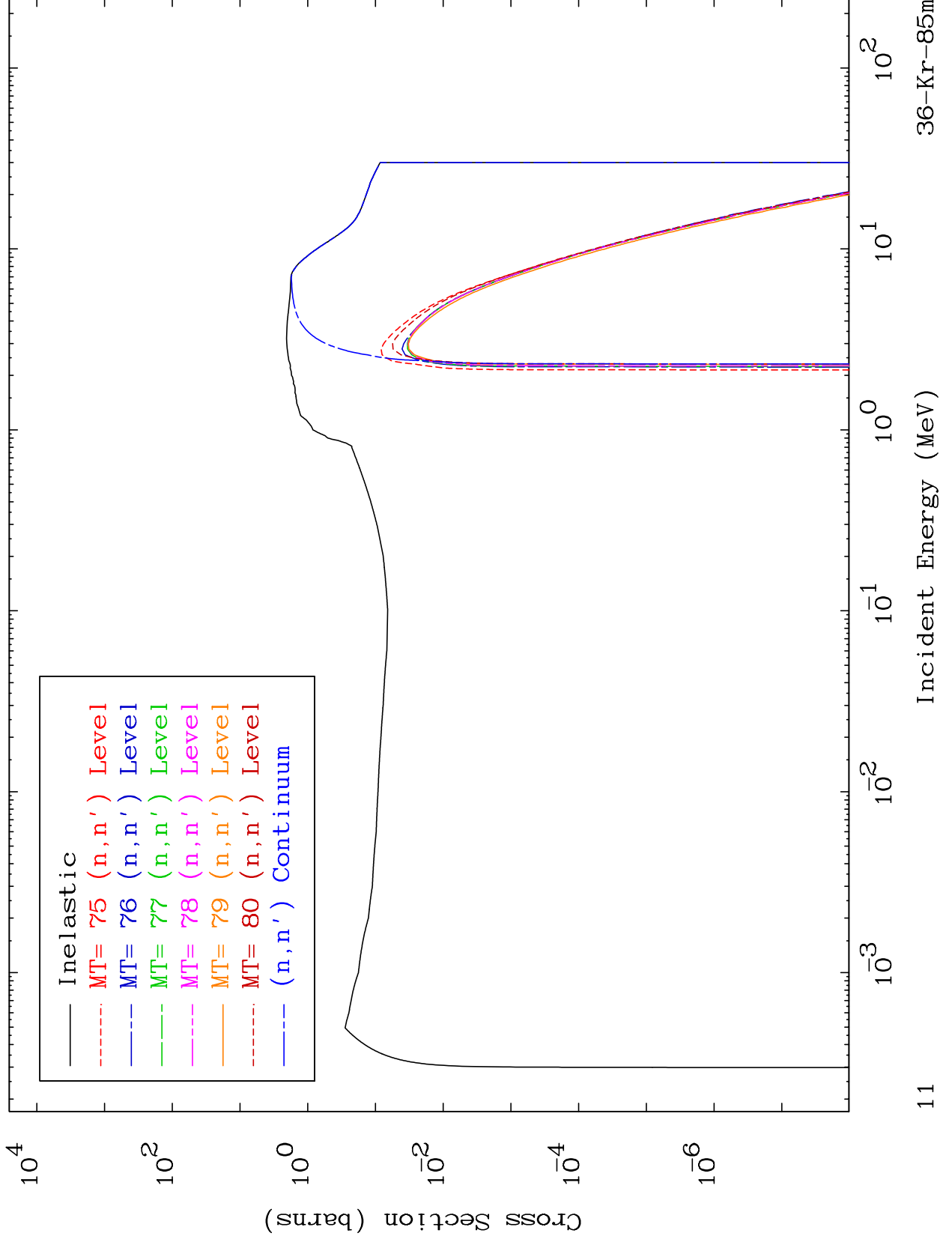
36-Kr-85m



MAT 3647

(n,n') Levels
293 Kelvin Cross Sections

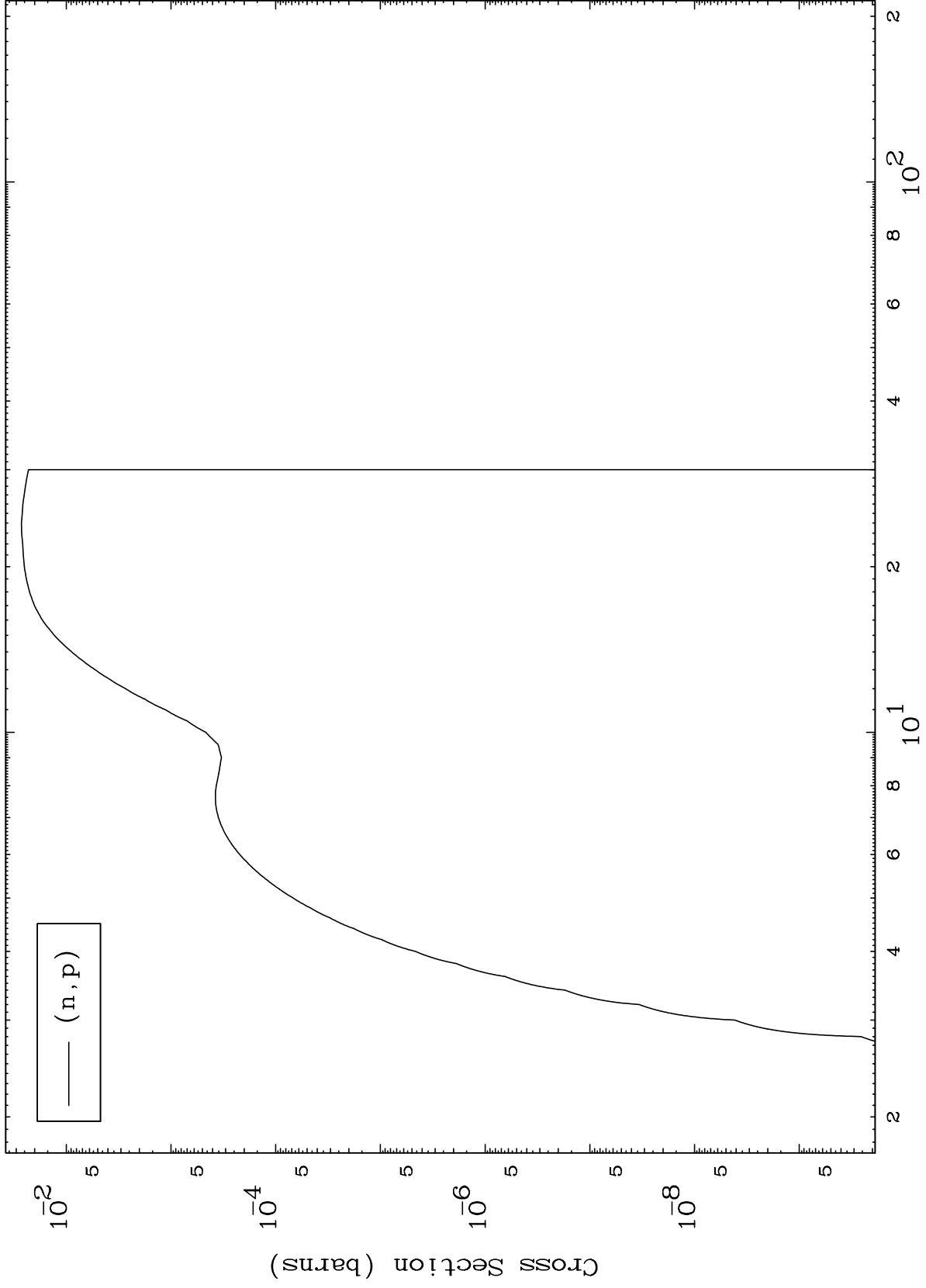
36-Kr-85m



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(n,p) Levels
293 Kelvin Cross Sections

36-Kr-85m



12

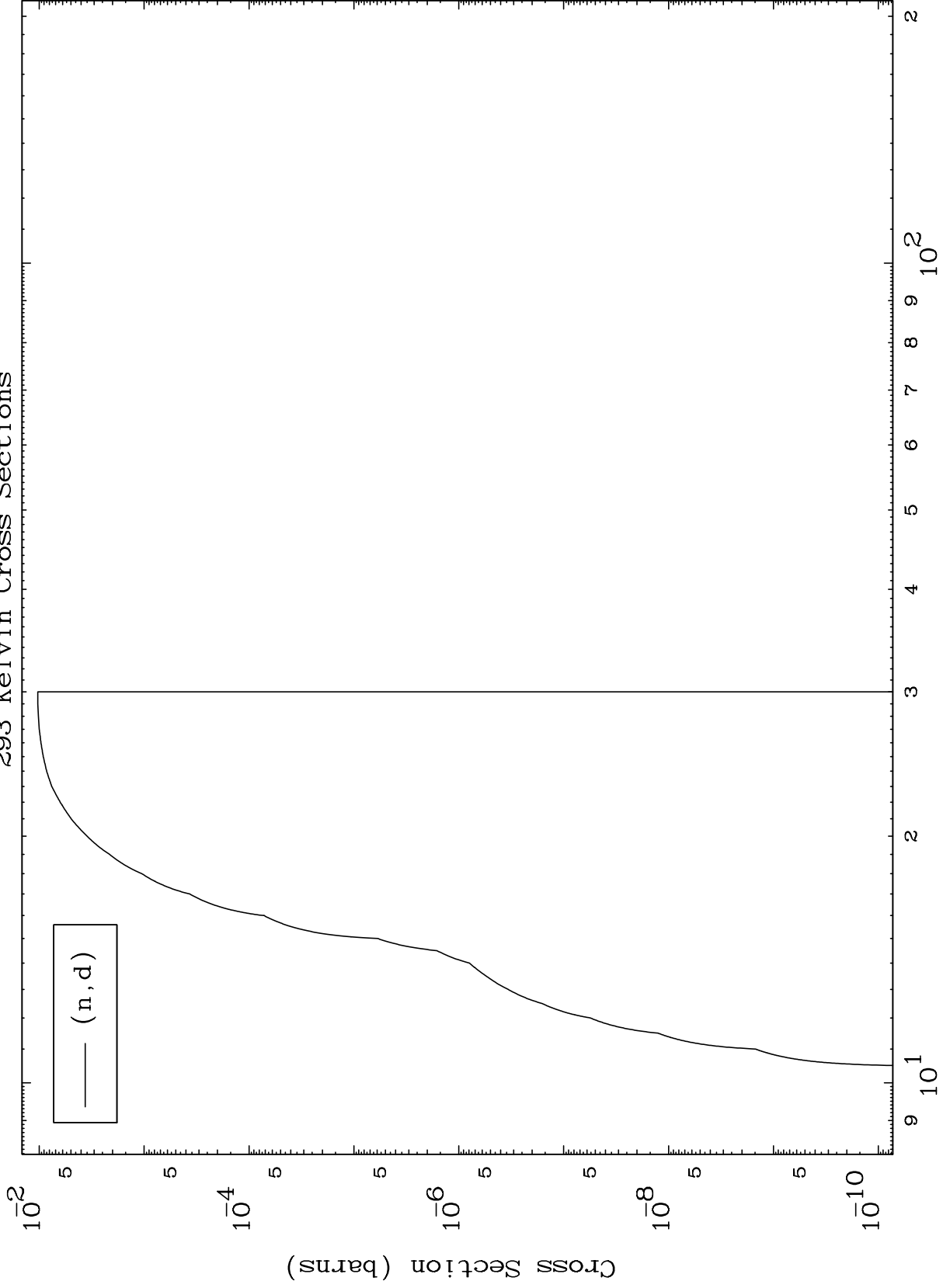
Incident Energy (MeV)

36-Kr-85m

MAT 3647

(n,d) Levels
293 Kelvin Cross Sections

36-Kr-85m



13

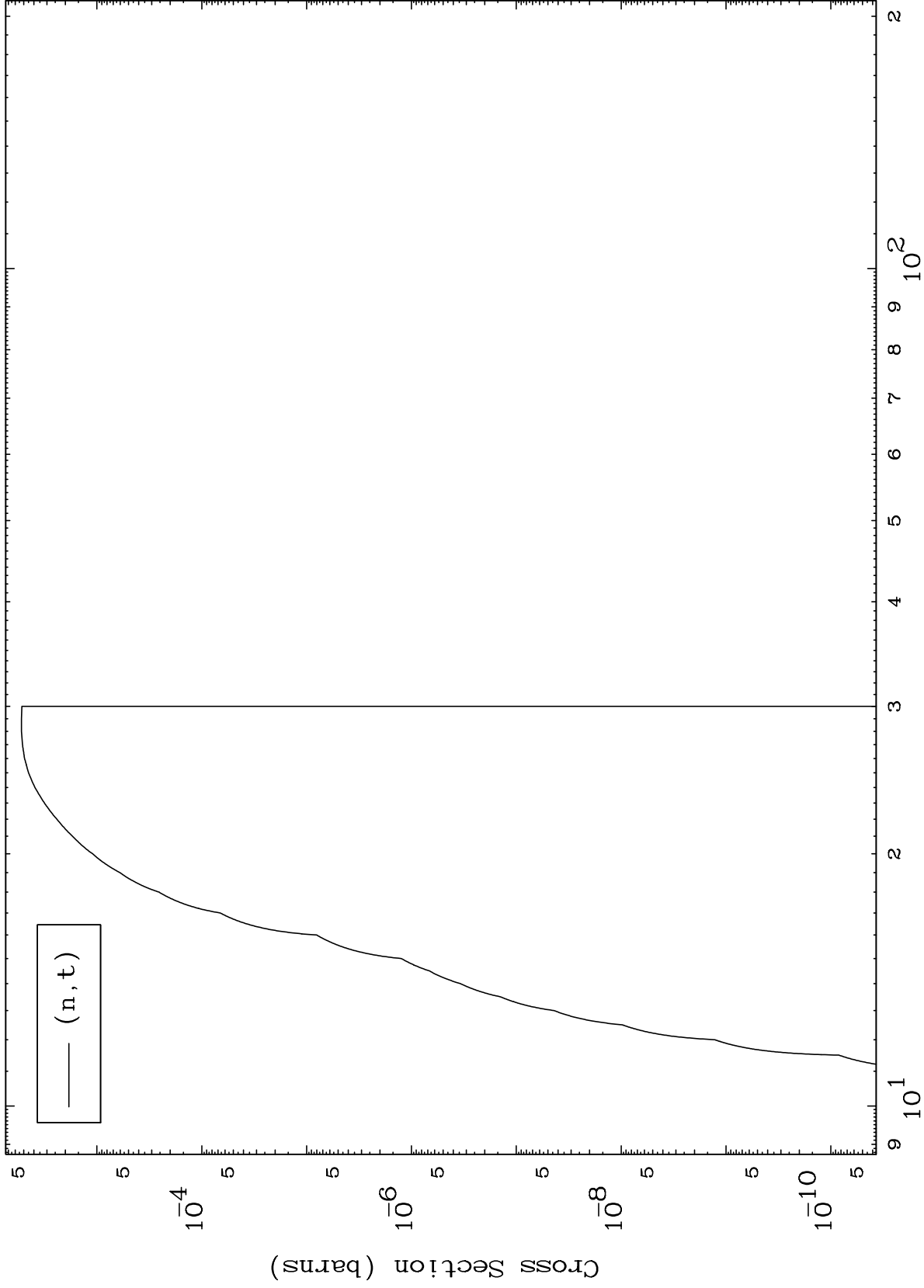
Incident Energy (MeV)

36-Kr-85m

MAT 3647

(n,t) Levels
293 Kelvin Cross Sections

36-Kr-85m



Incident Energy (MeV)

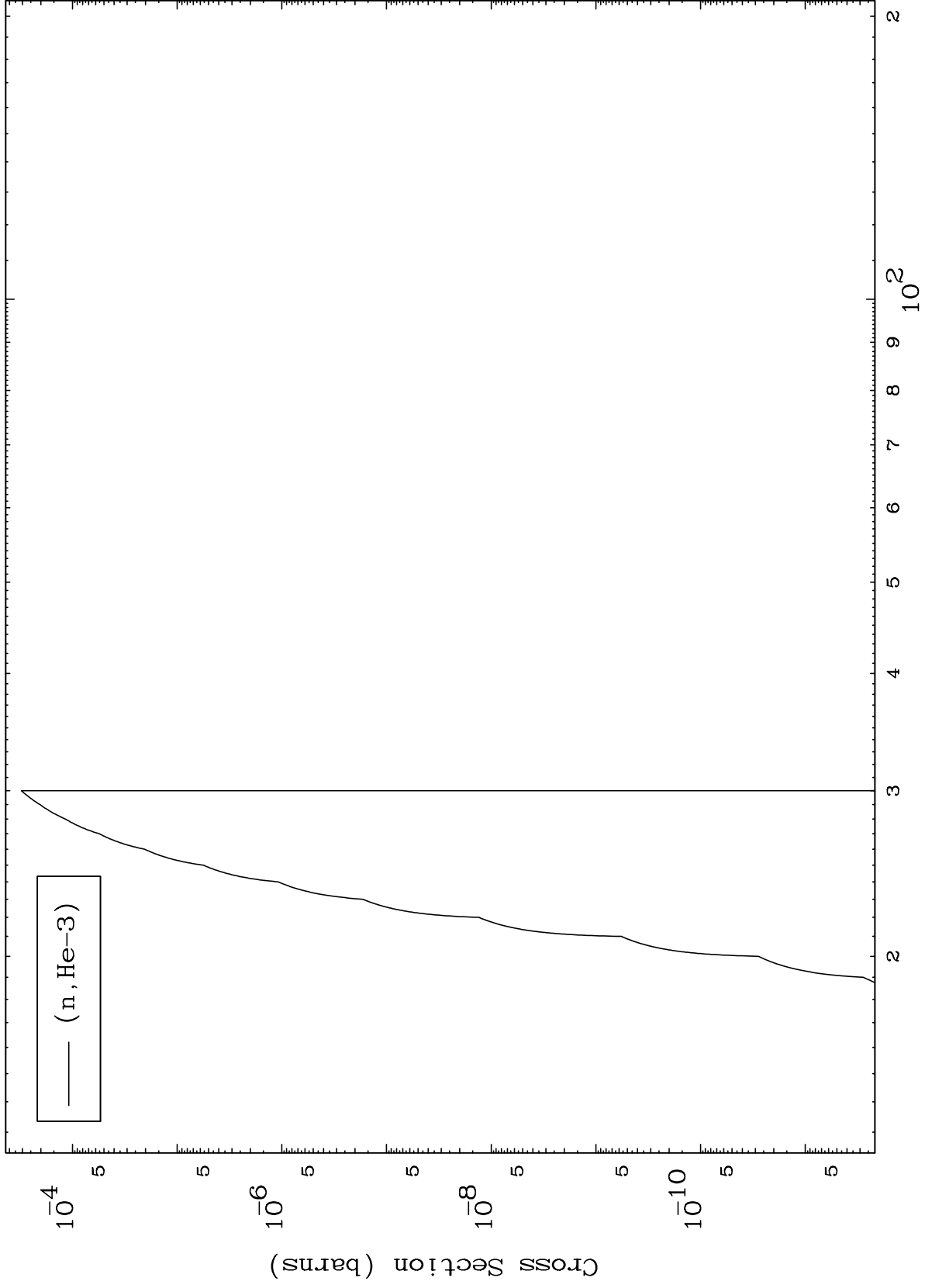
36-Kr-85m

14

MAT 3647

(n,He3) Levels
293 Kelvin Cross Sections

36-Kr-85m



15

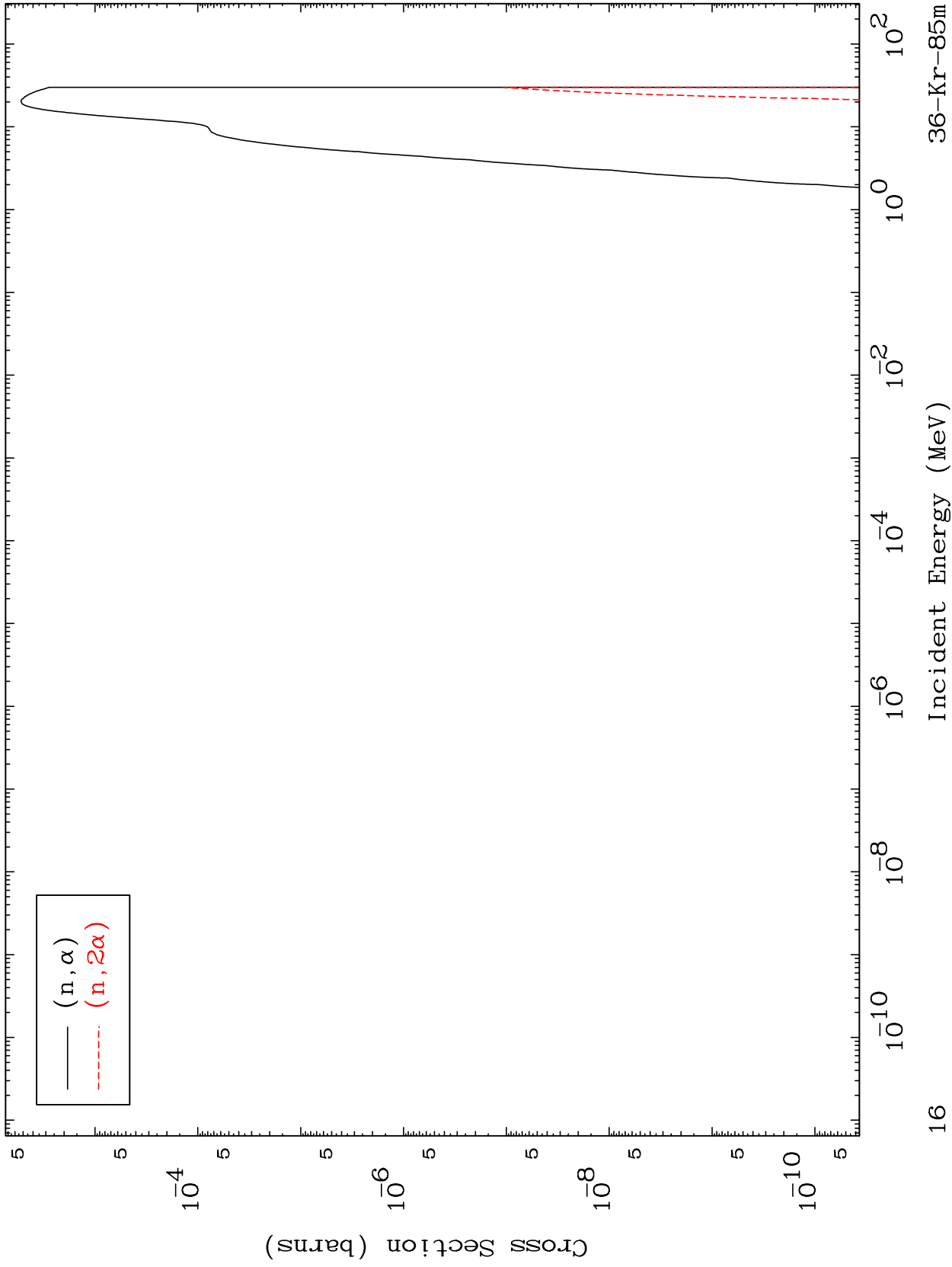
Incident Energy (MeV)

36-Kr-85m

MAT 3647

(n, α) Levels
293 Kelvin Cross Sections

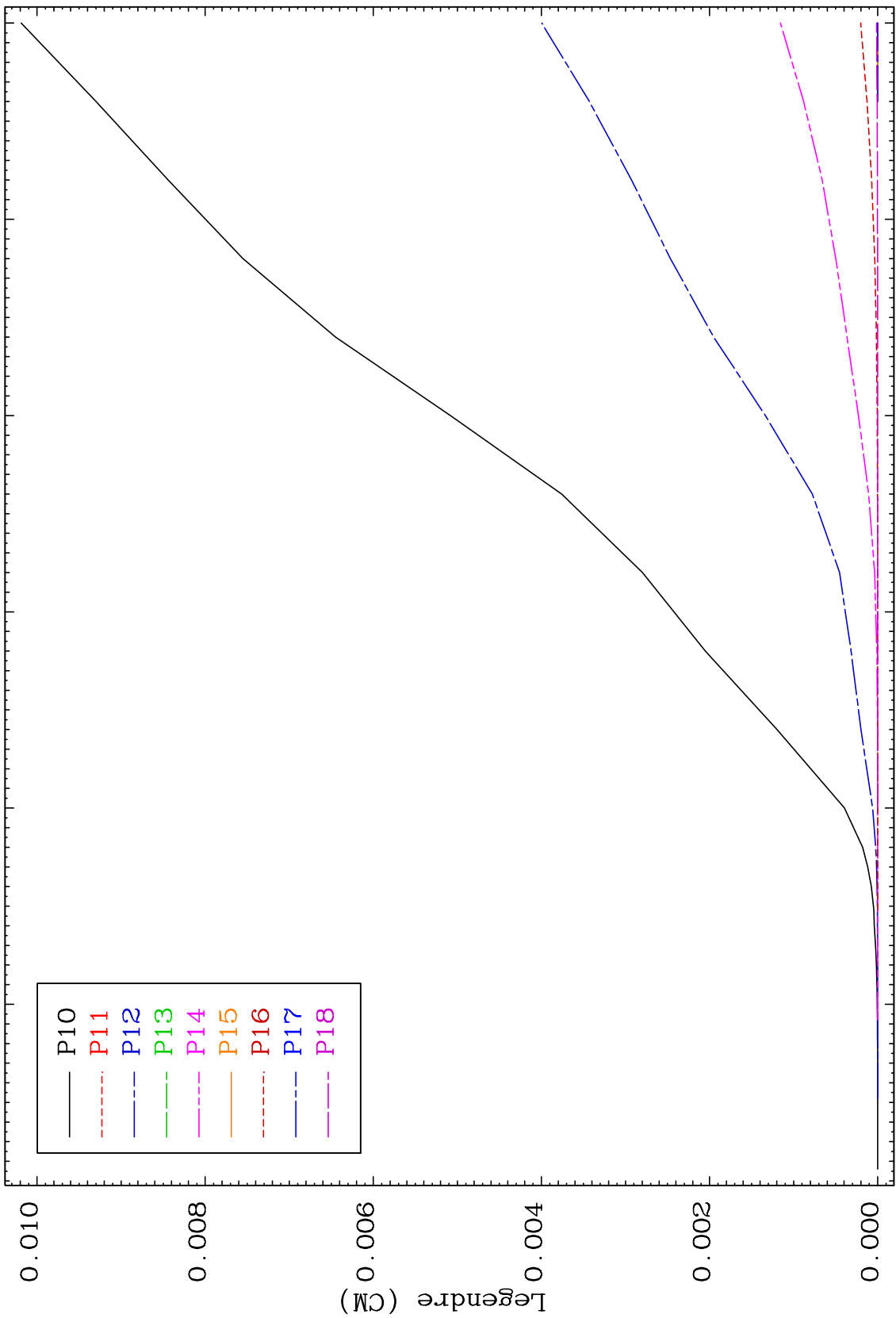
36-Kr-85m



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Elastic Legendre Coefficients

³⁶Kr-85m



18

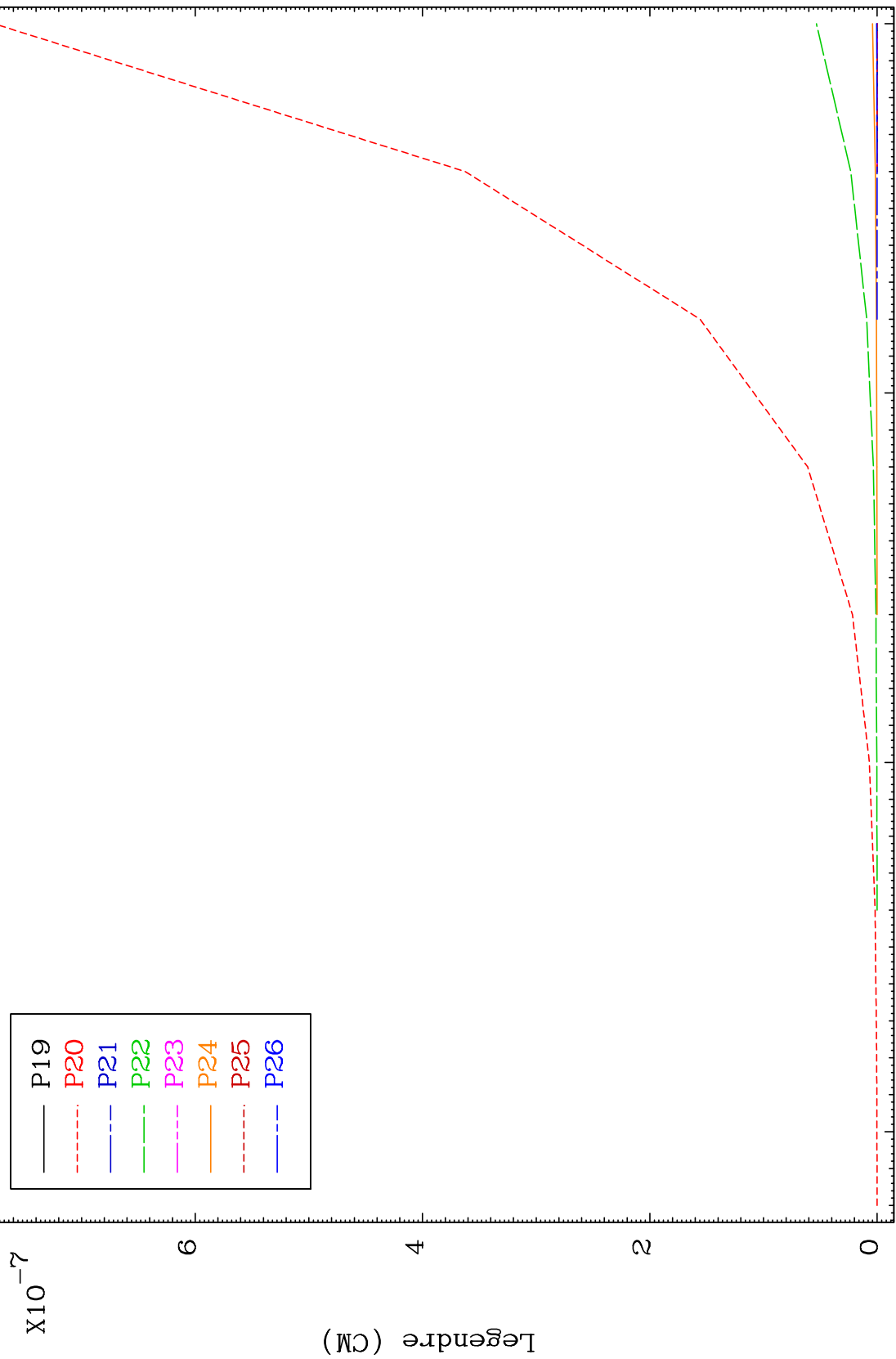
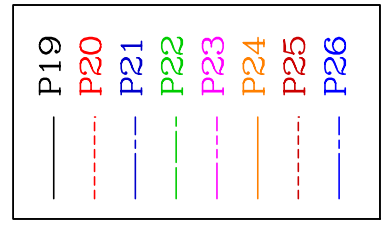
³⁶Kr-85m

Incident Energy (MeV)

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Elastic Legendre Coefficients

³⁶Kr-85m



19

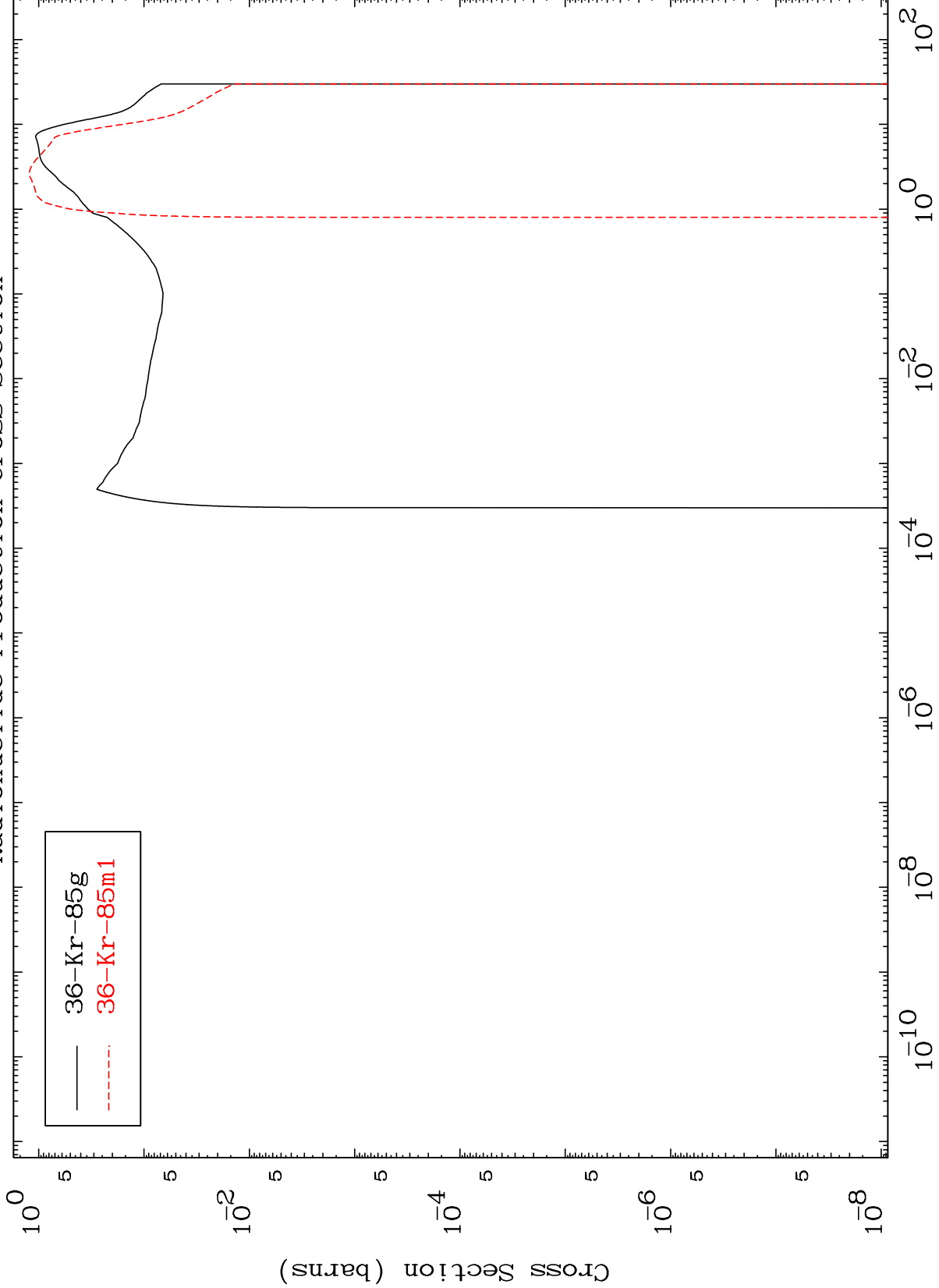
Incident Energy (MeV)

³⁶Kr-85m

MAT 3647

Inelastic
Radionuclide Production Cross Section

³⁶Kr-⁸⁵m



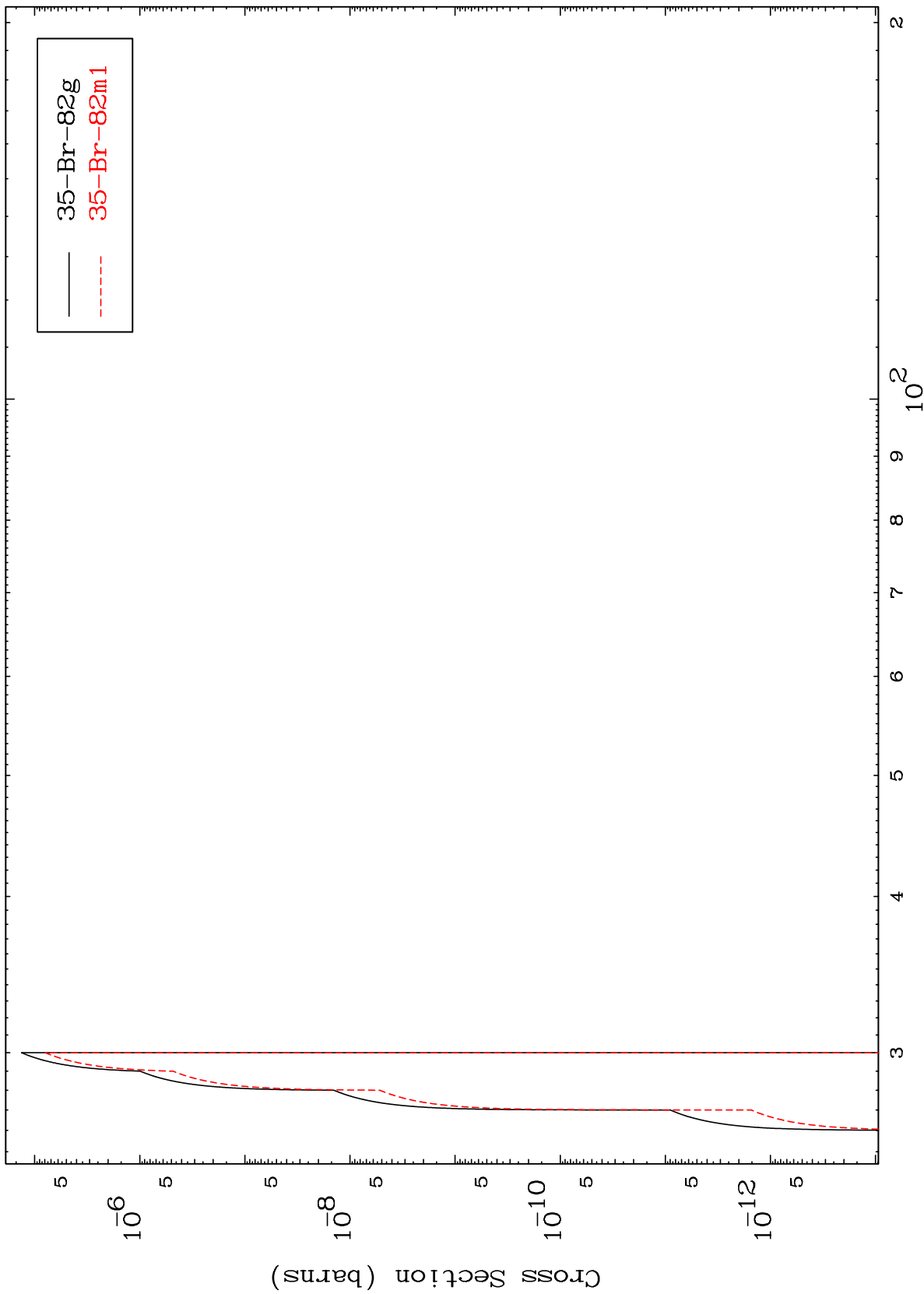
— 36-Kr-85g
- - - 36-Kr-85m1

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(n,2n) d

36-Kr-85m

Radionuclide Production Cross Section



21

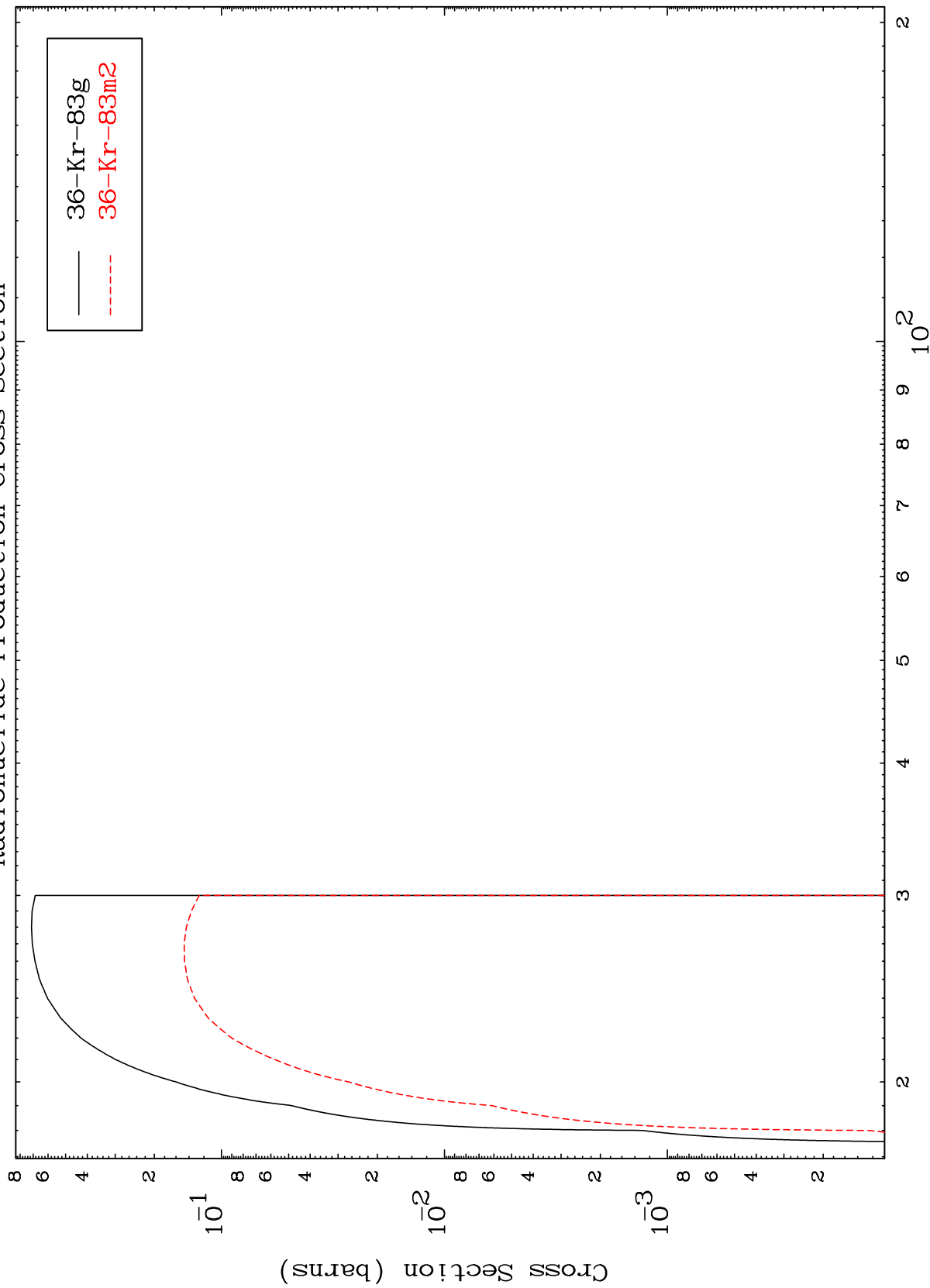
Incident Energy (MeV)

36-Kr-85m

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36-Kr-85m

(n,3n)
Radionuclide Production Cross Section

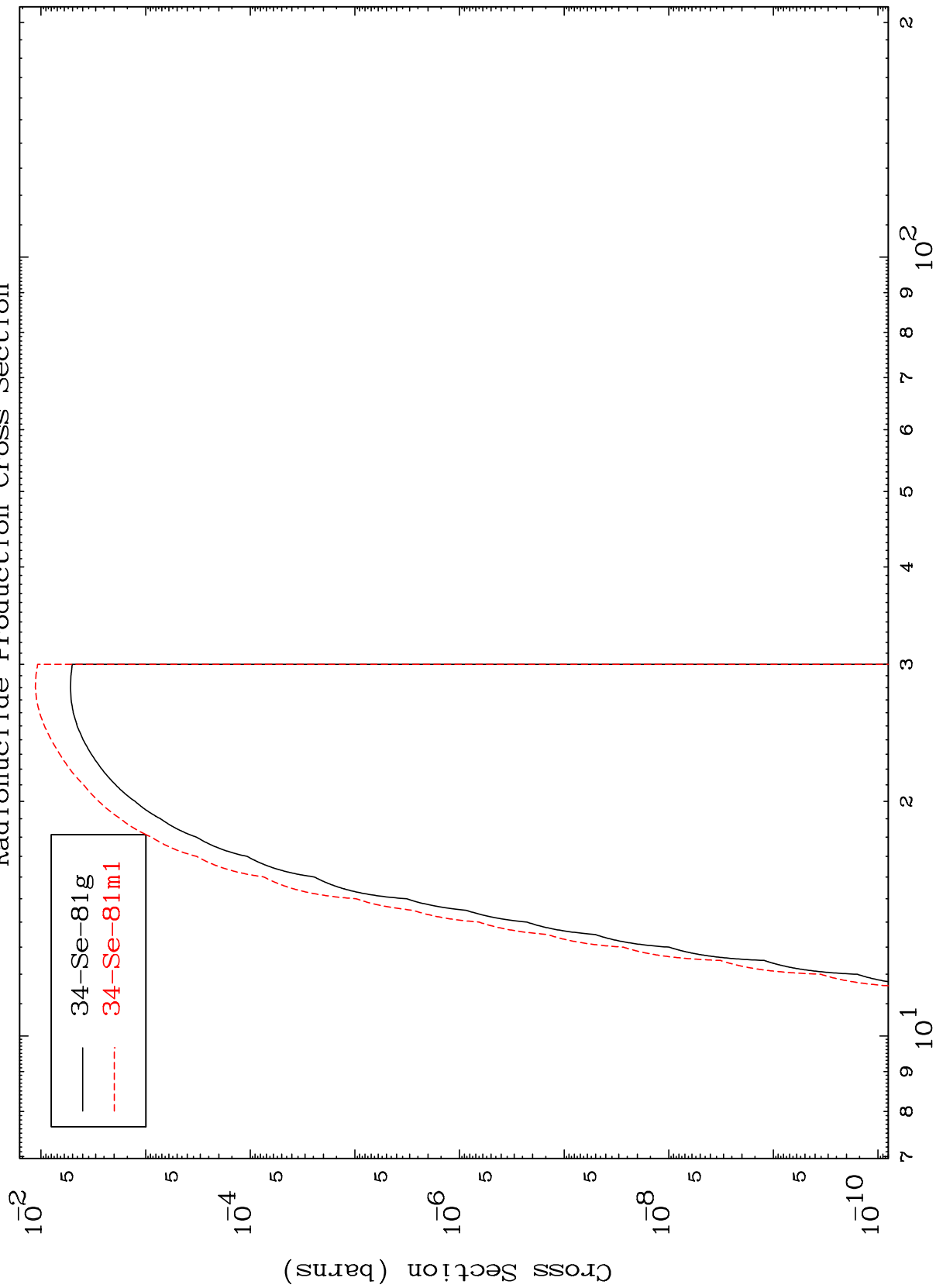


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$(n, n') \alpha$

36-Kr-85m

Radionuclide Production Cross Section



36-Kr-85m

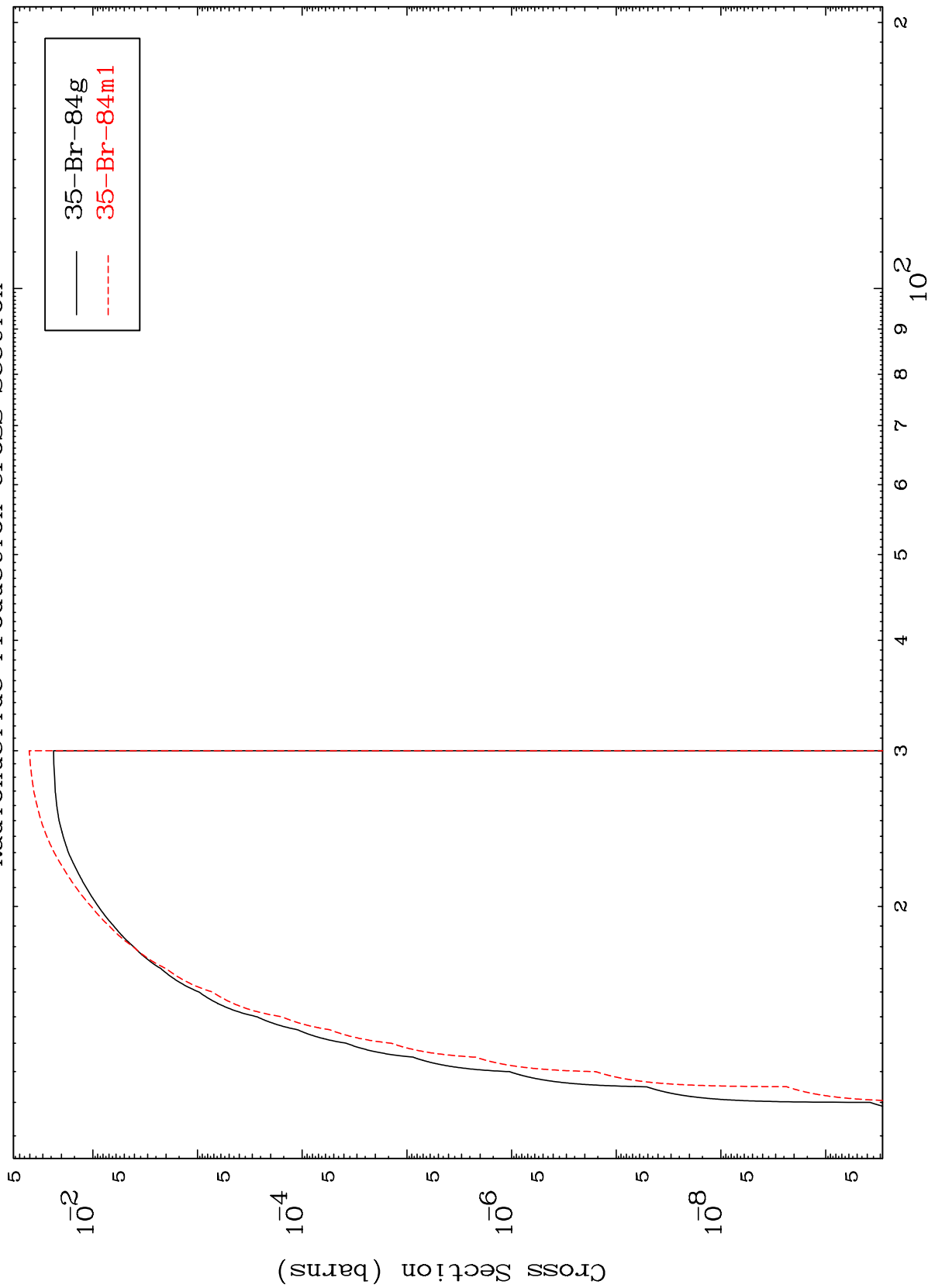
23

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(n, n') p

$^{36}\text{Kr-85m}$

Radionuclide Production Cross Section



24

Incident Energy (MeV)

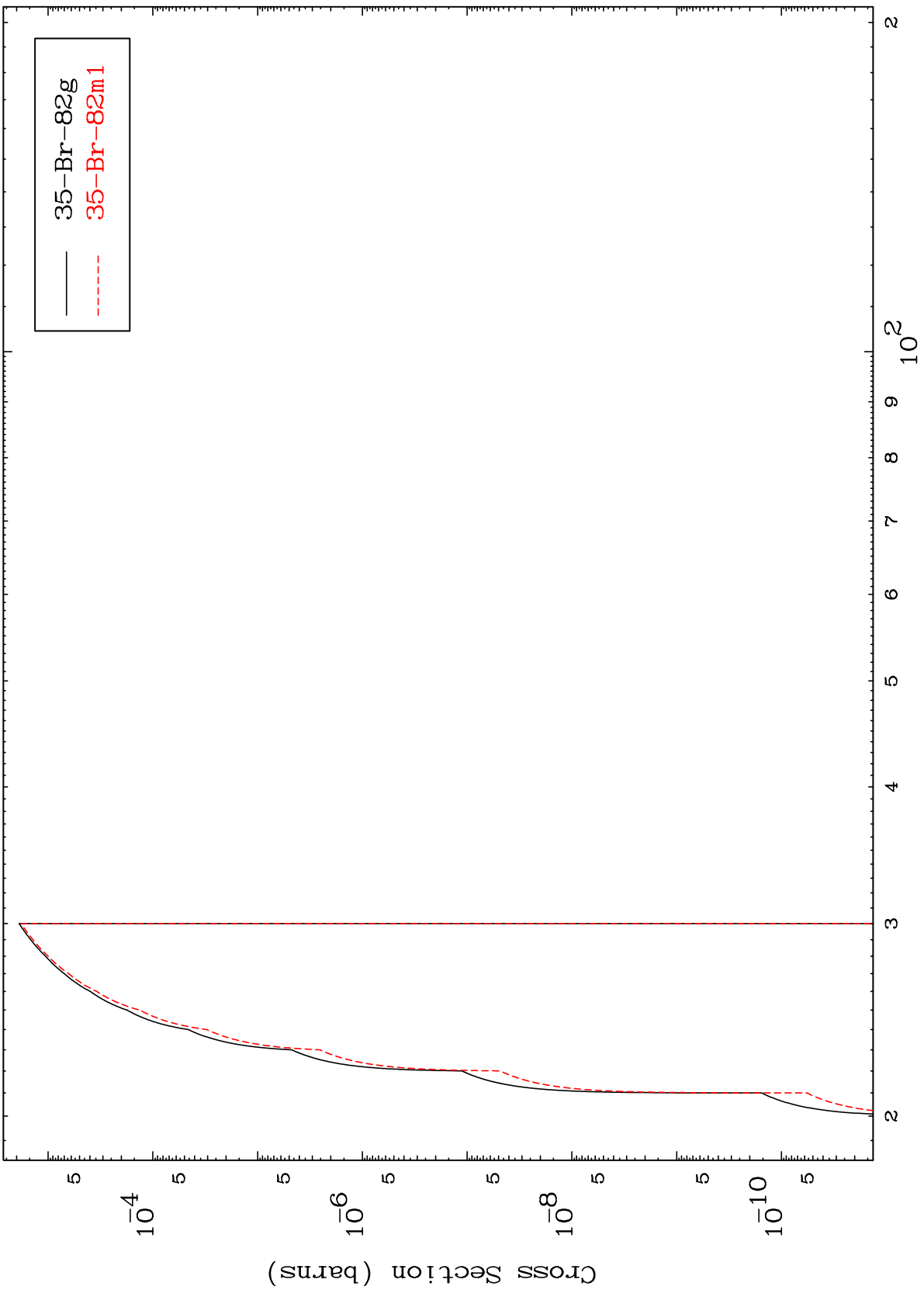
$^{36}\text{Kr-85m}$

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(n,n') t

³⁶Kr-85m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

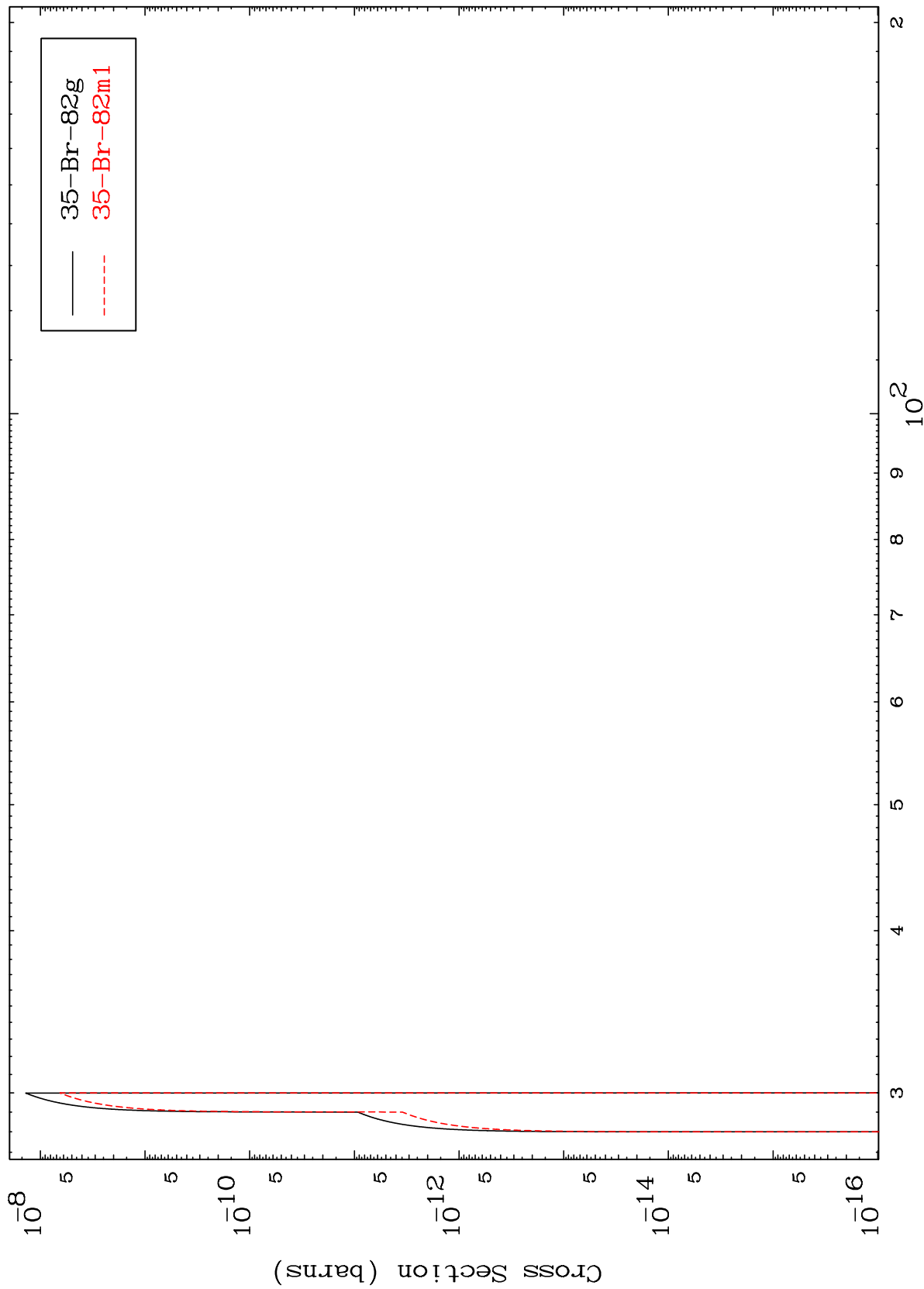
³⁶Kr-85m

MAT 3647

(n,3n) p

36-Kr-85m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

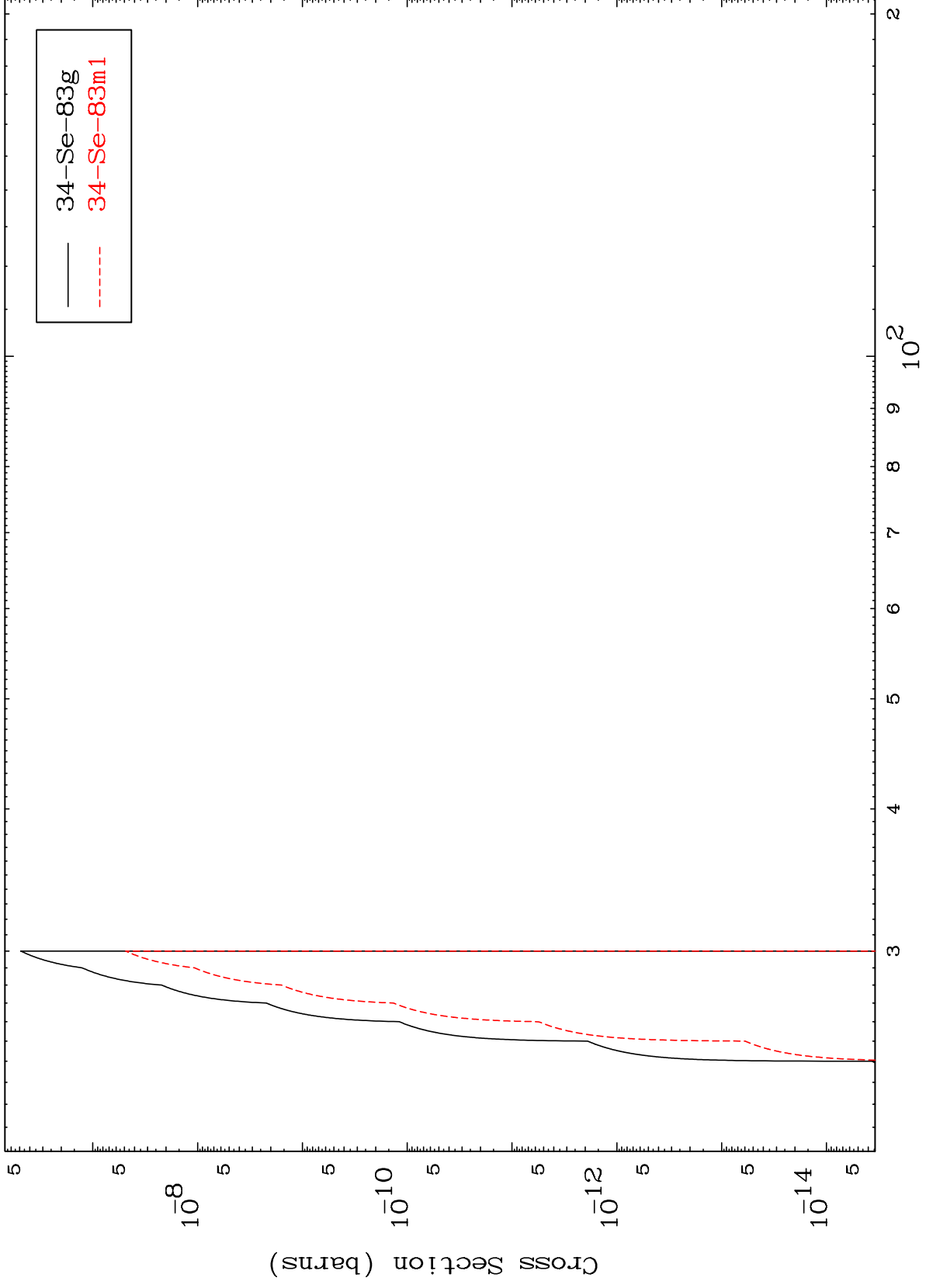
36-Kr-85m

MAT 3647

(n,2n) p

36-Kr-85m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

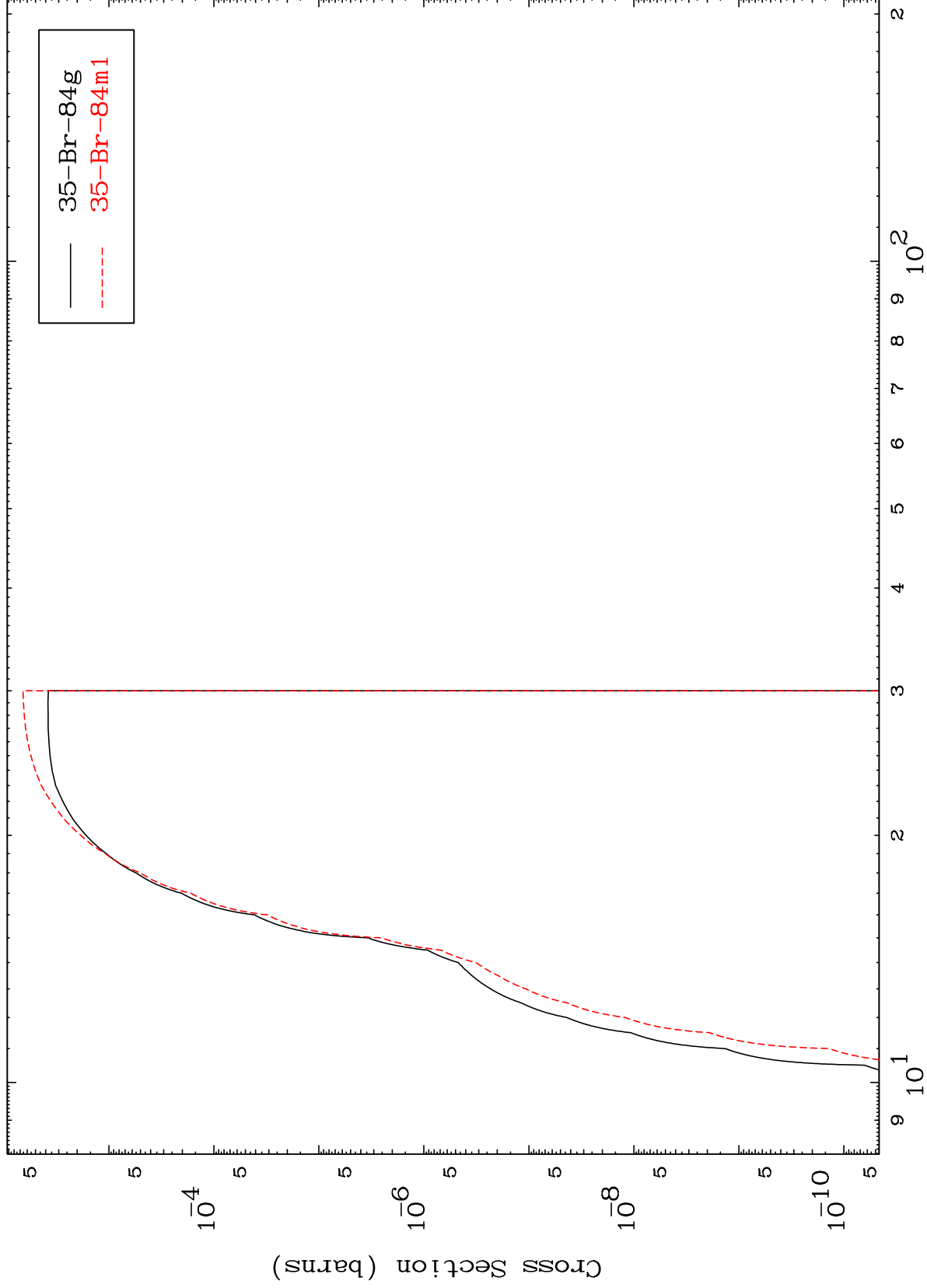
36-Kr-85m

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(n,d)

36-Kr-85m

Radionuclide Production Cross Section

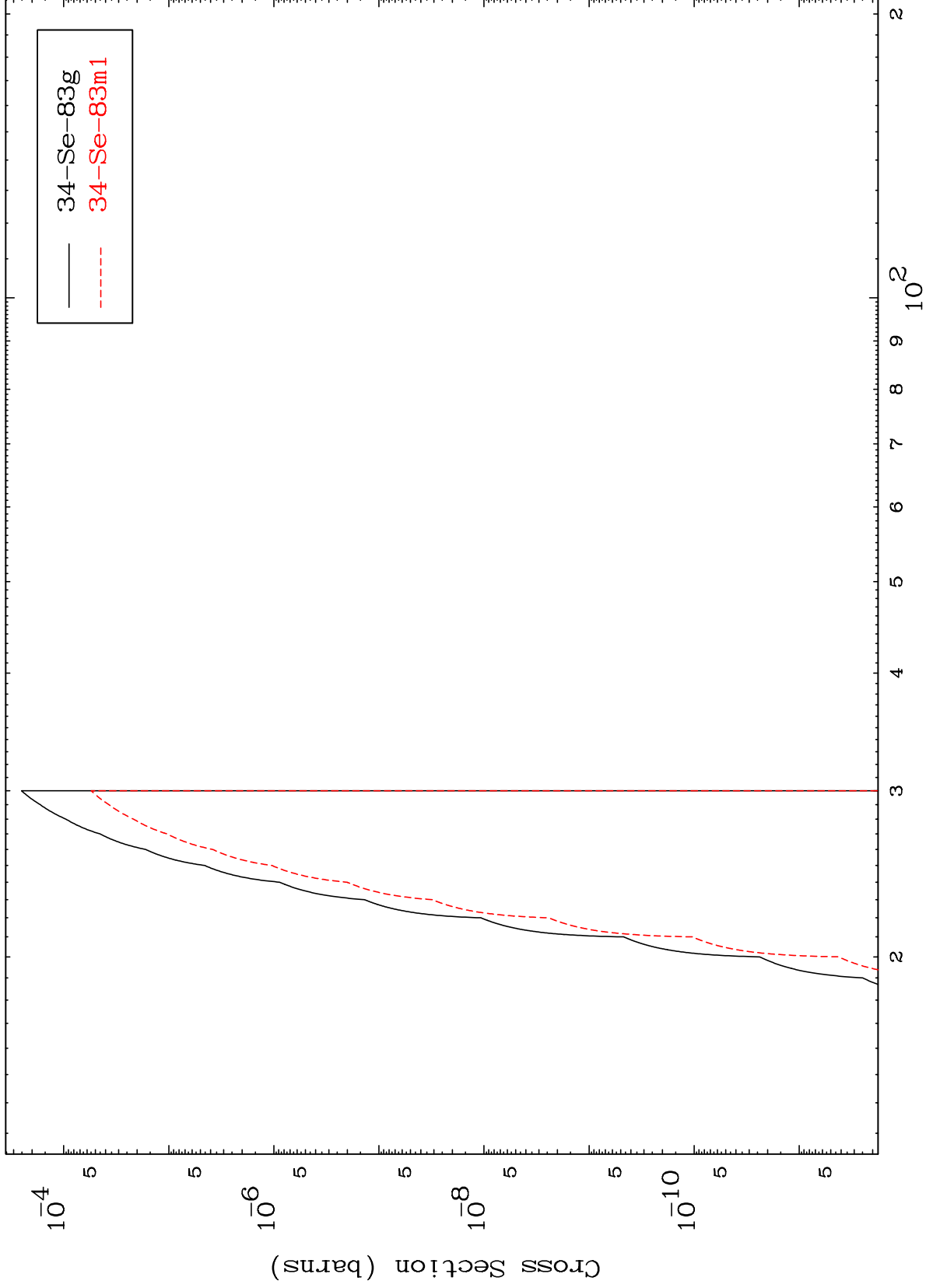


28

Incident Energy (MeV)

36-Kr-85m

Radionuclide Production Cross Section

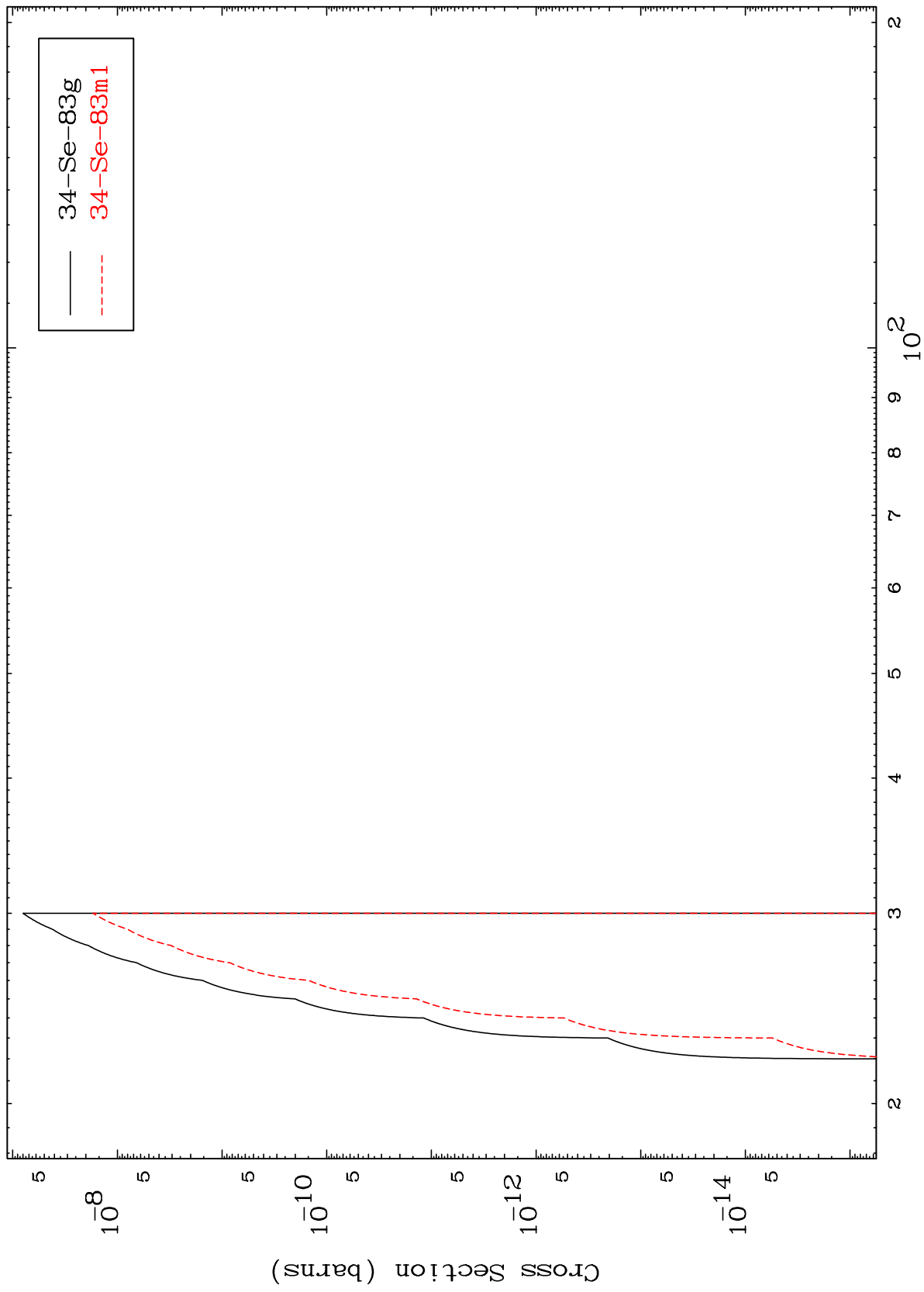


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(n,p) d

36-Kr-85m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

36-Kr-85m