

Program EVALPLOT
(Version 2021-1)

by

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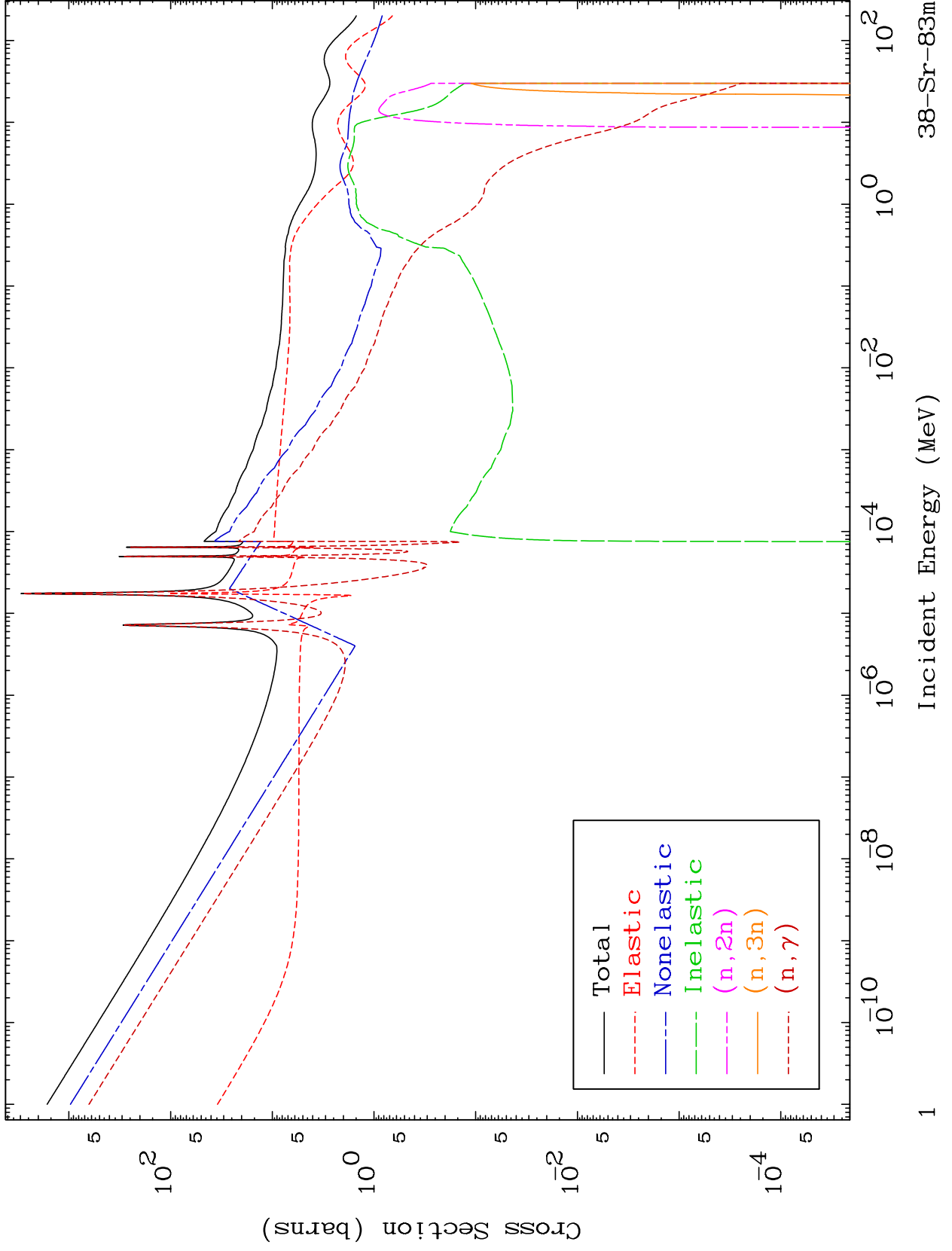
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3823

Neutron Major
293 Kelvin Cross Sections

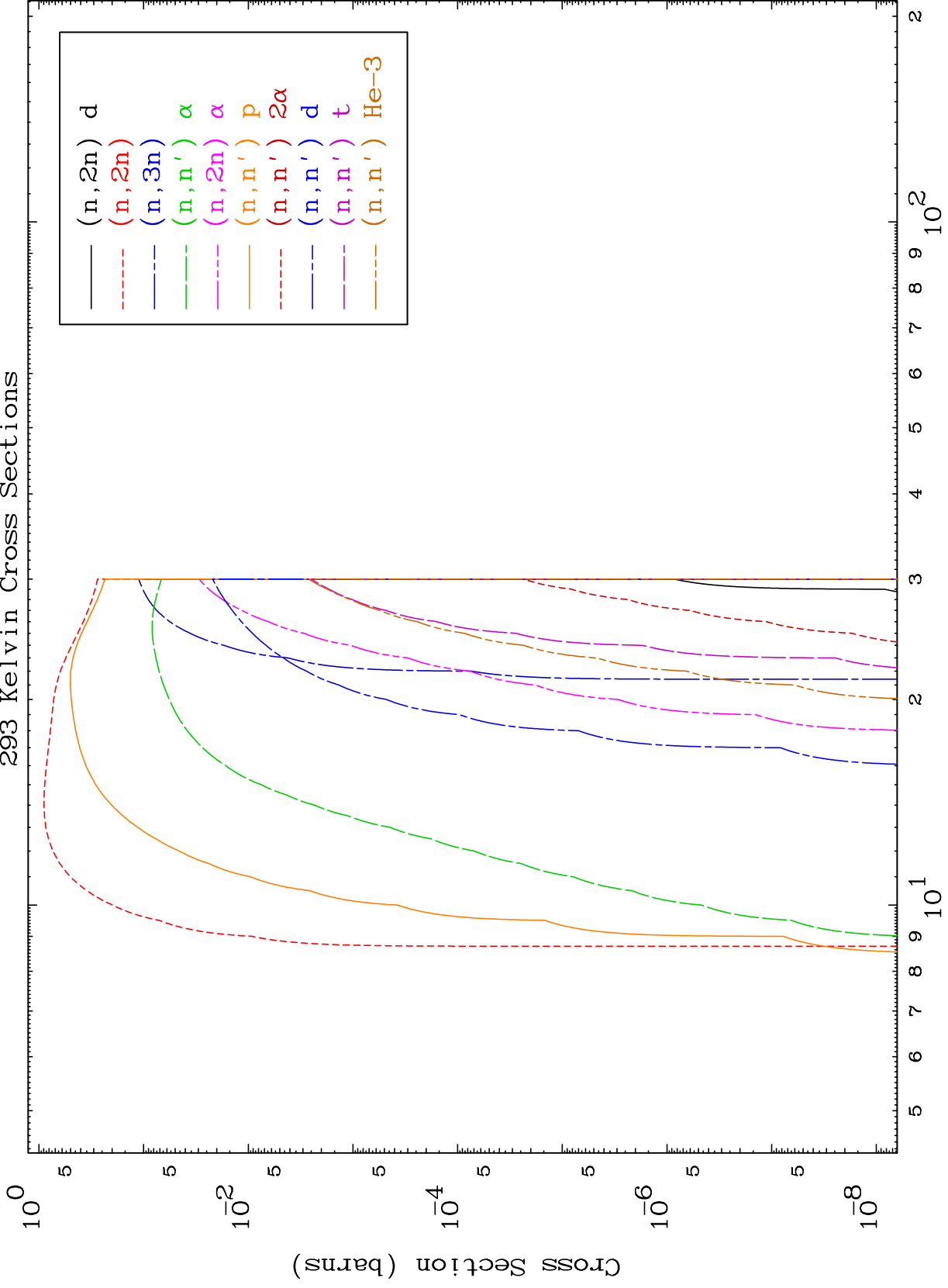
38-Sr-83m



MAT 3823

Neutron Absorption
293 Kelvin Cross Sections

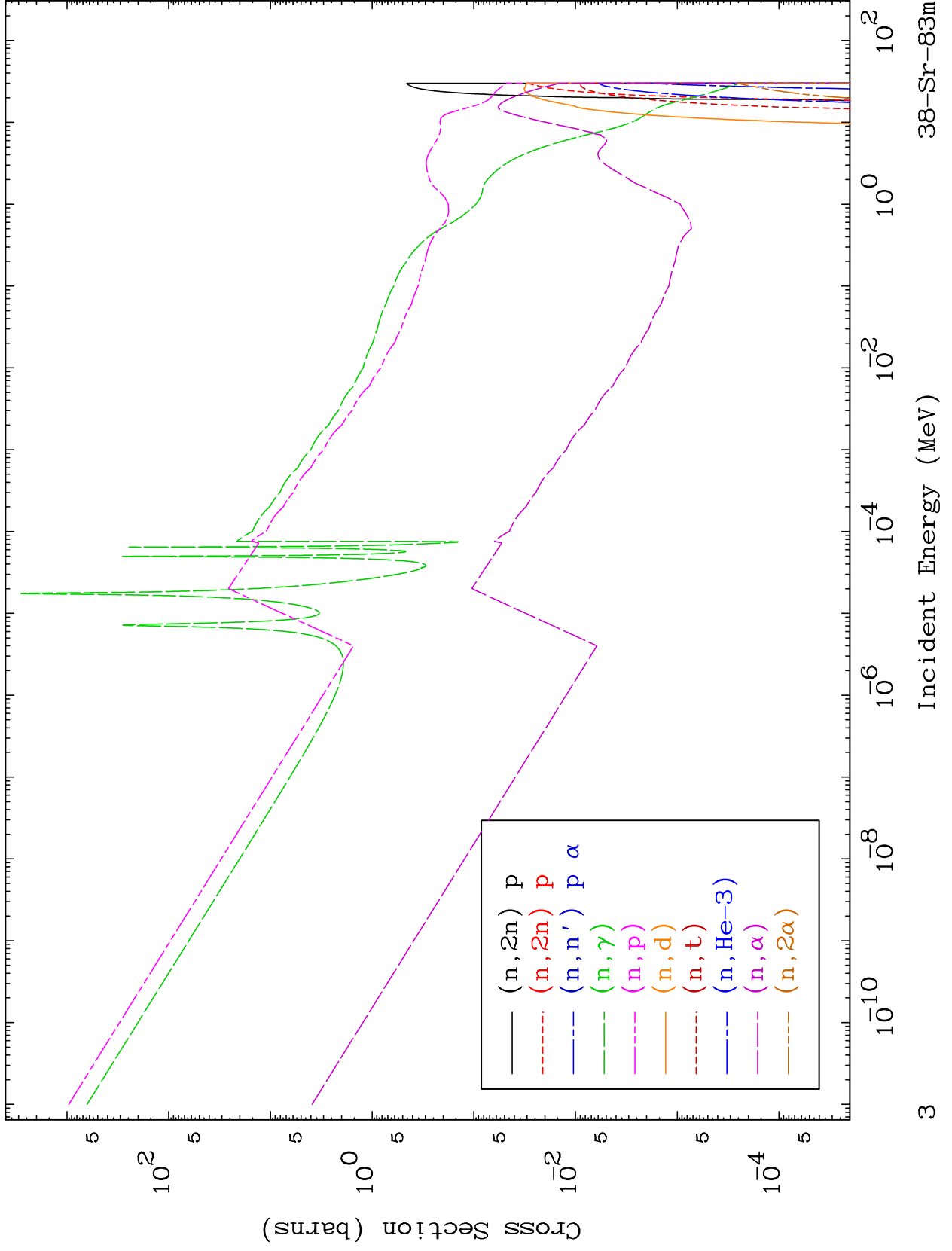
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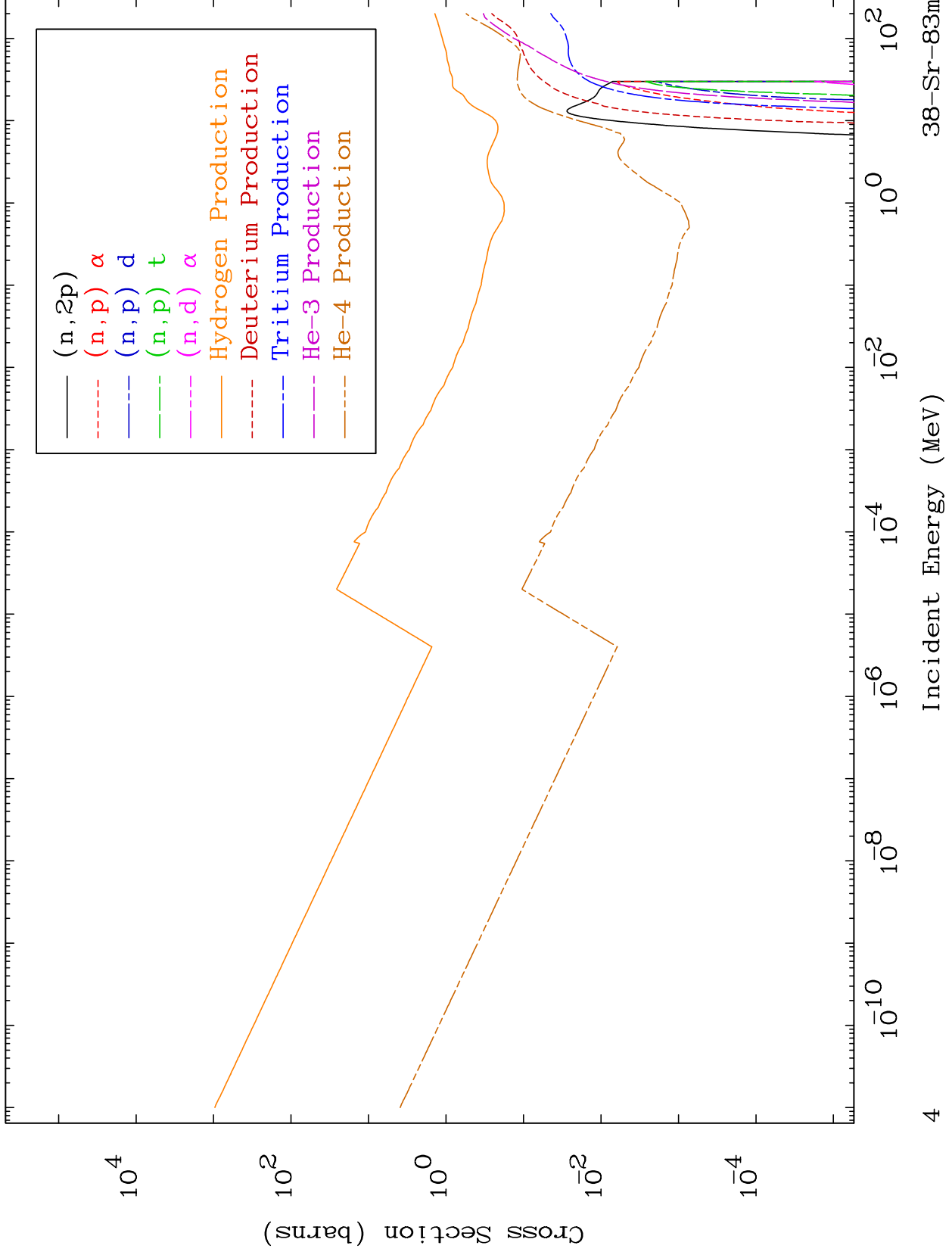


MAT 3823

Neutron Absorption
293 Kelvin Cross Sections

38-Sr-83m

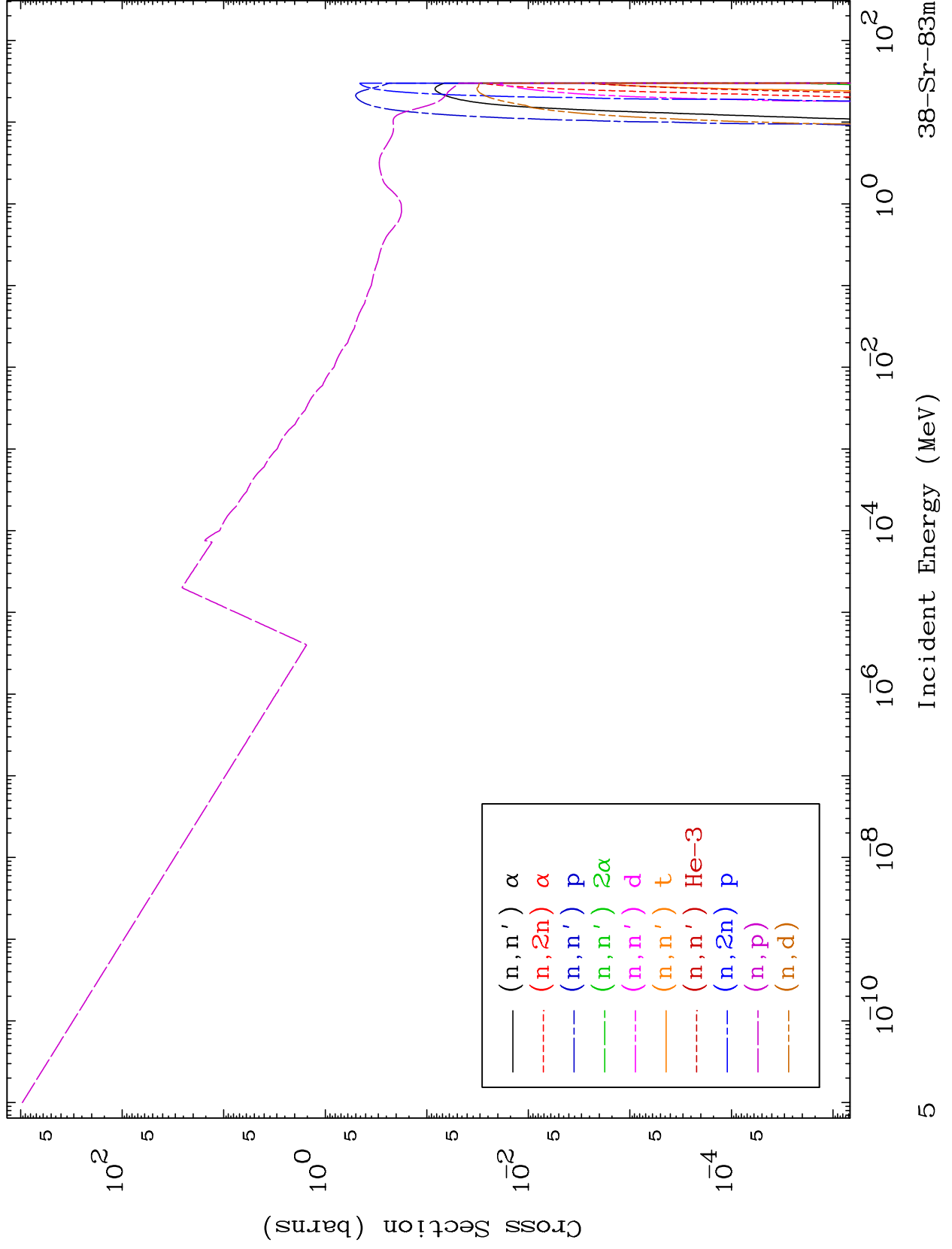




MAT 3823

Charged Particle
293 Kelvin Cross Sections

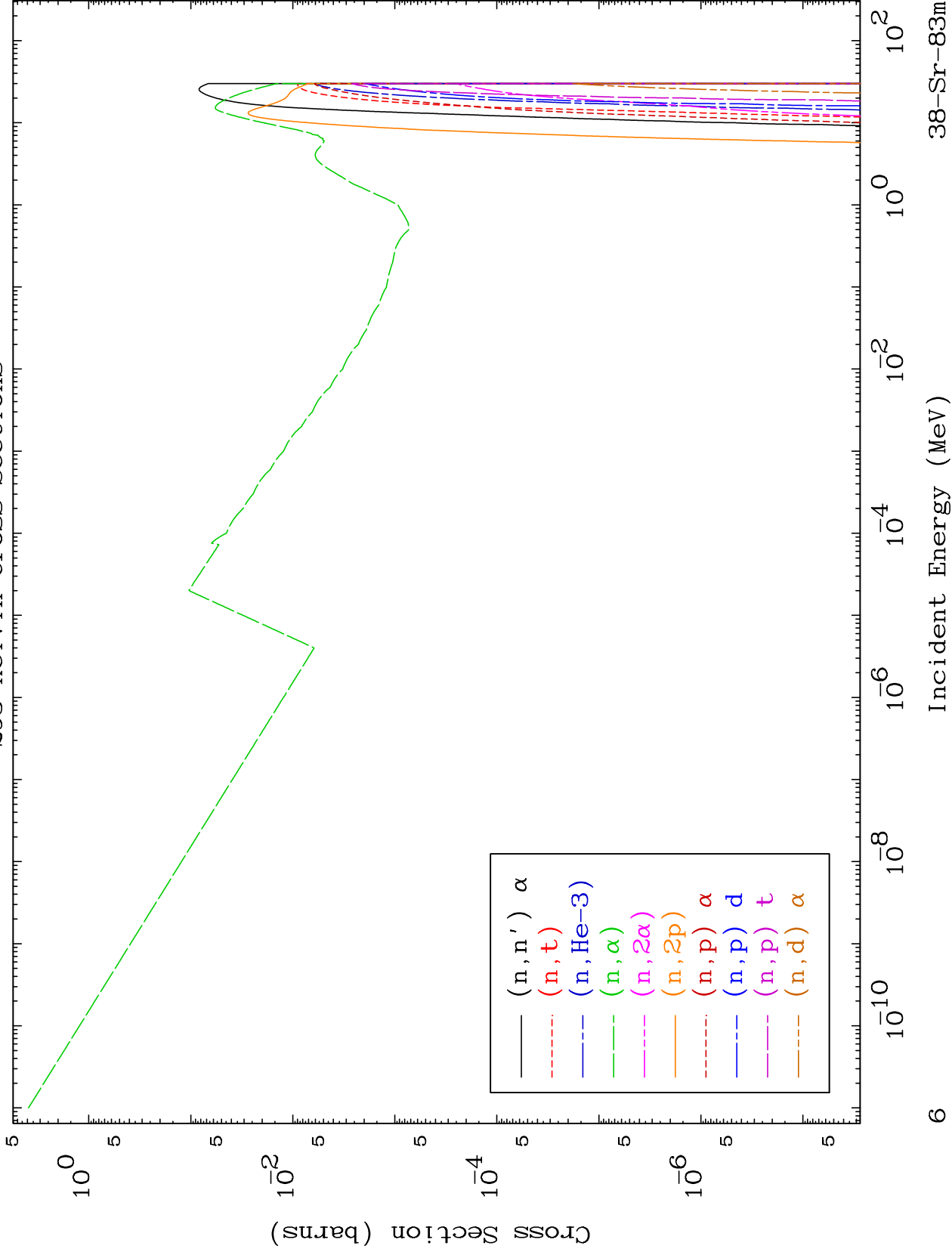
38-Sr-83m



MAT 3823

Charged Particle
293 Kelvin Cross Sections

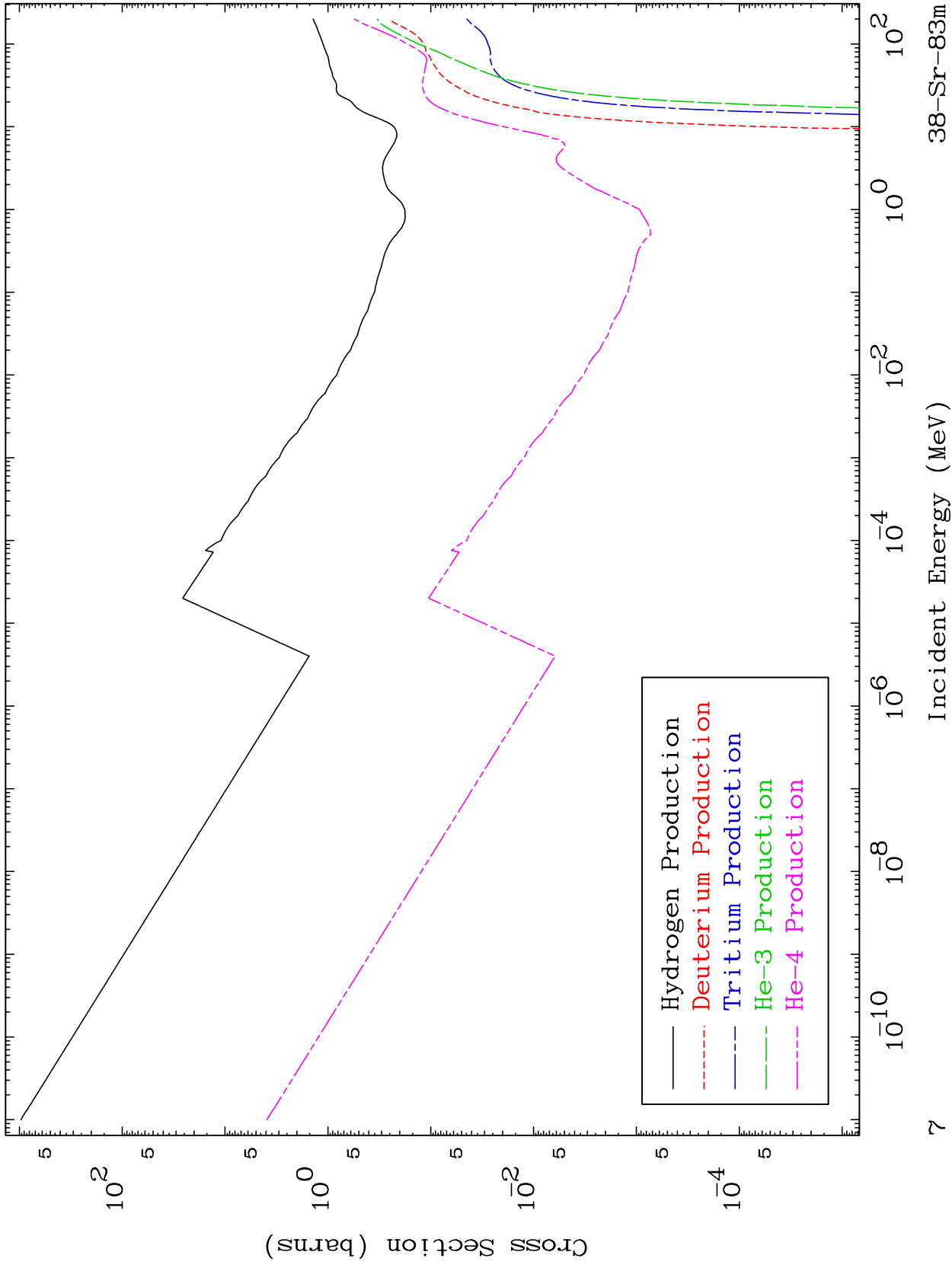
38-Sr-83m



MAT 3823

Particle Production
293 Kelvin Cross Sections

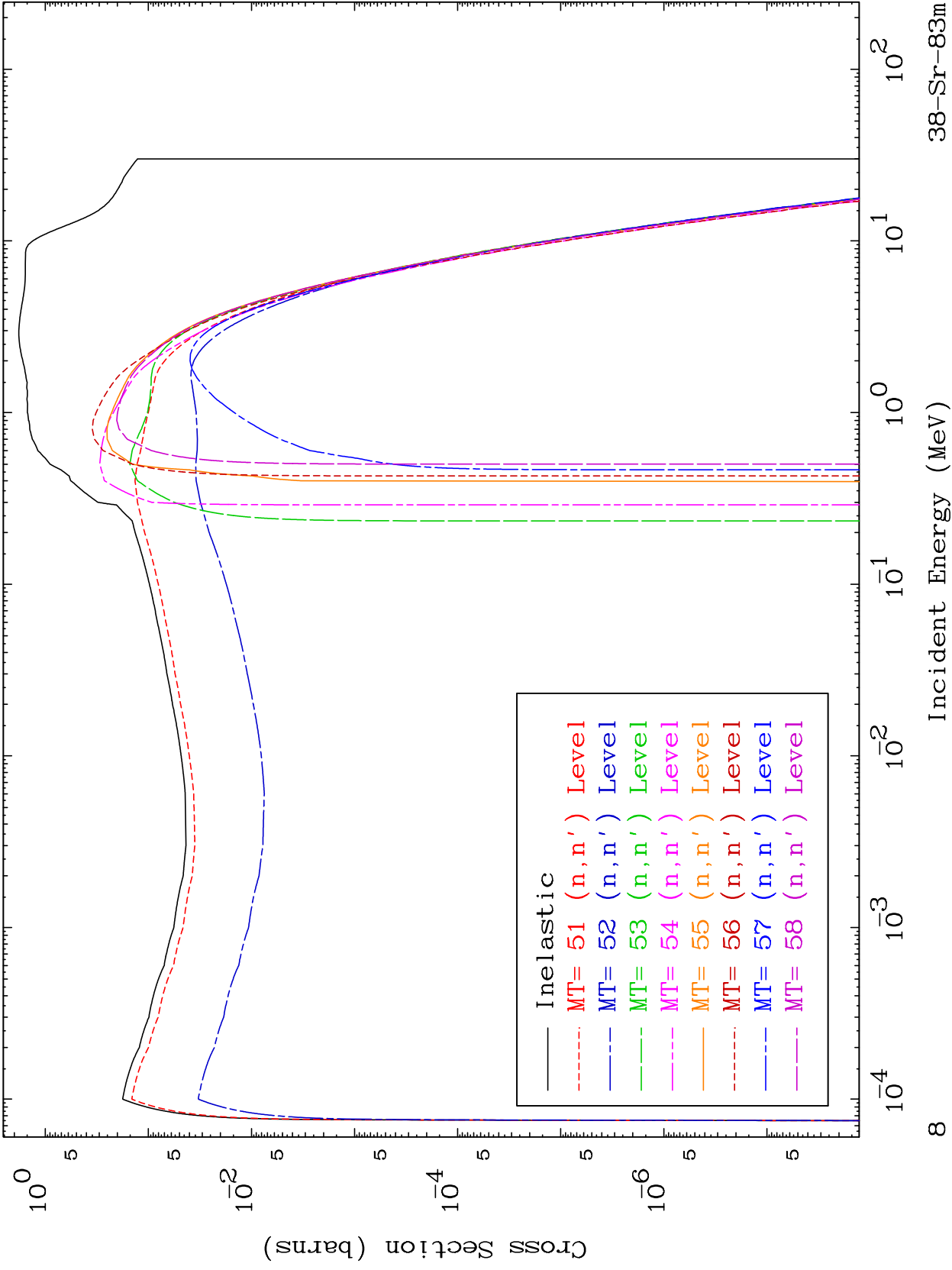
38-Sr-83m



MAT 3823

(n,n') Levels
293 Kelvin Cross Sections

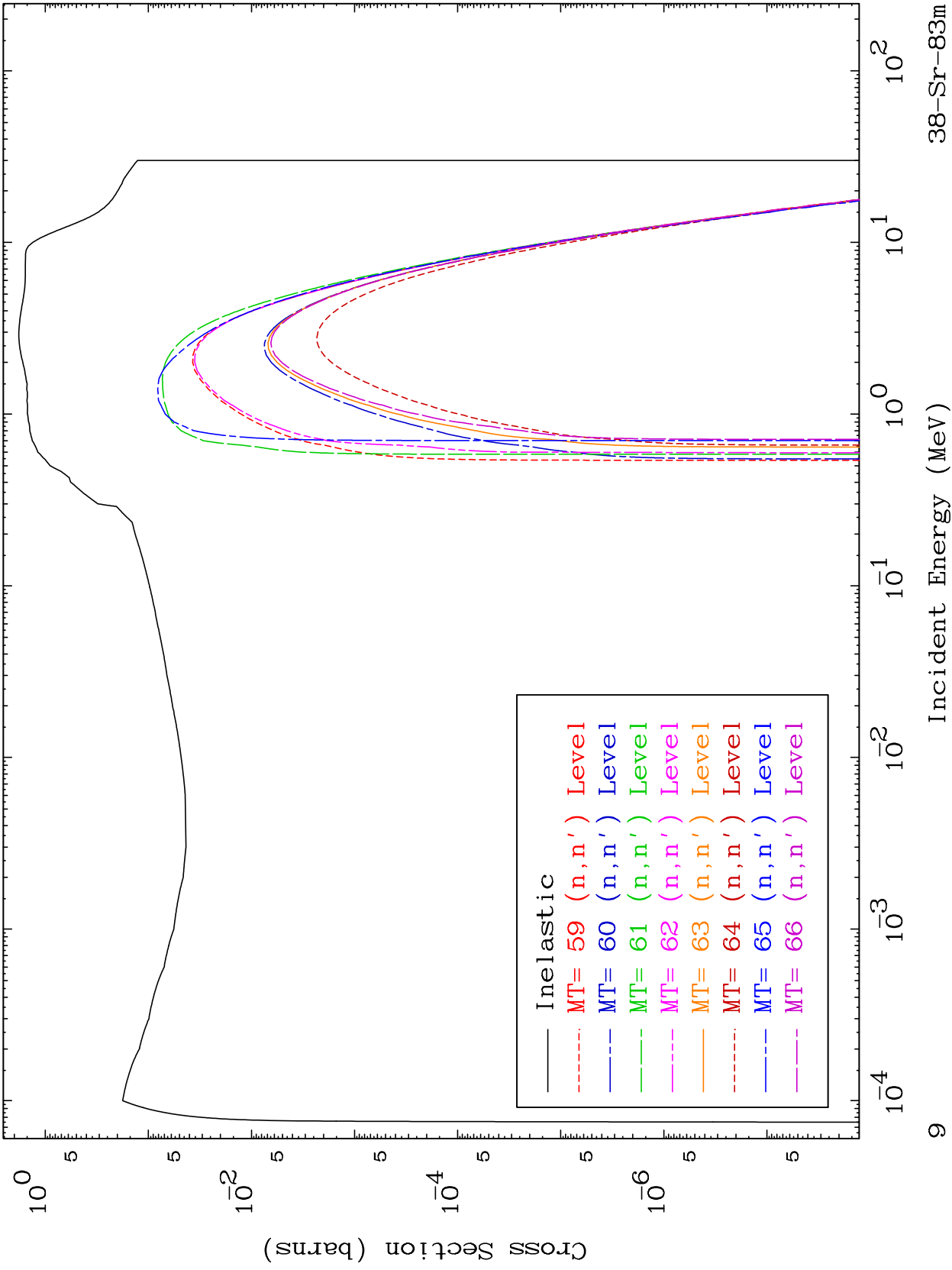
38-Sr-83m



MAT 3823

(n,n') Levels
293 Kelvin Cross Sections

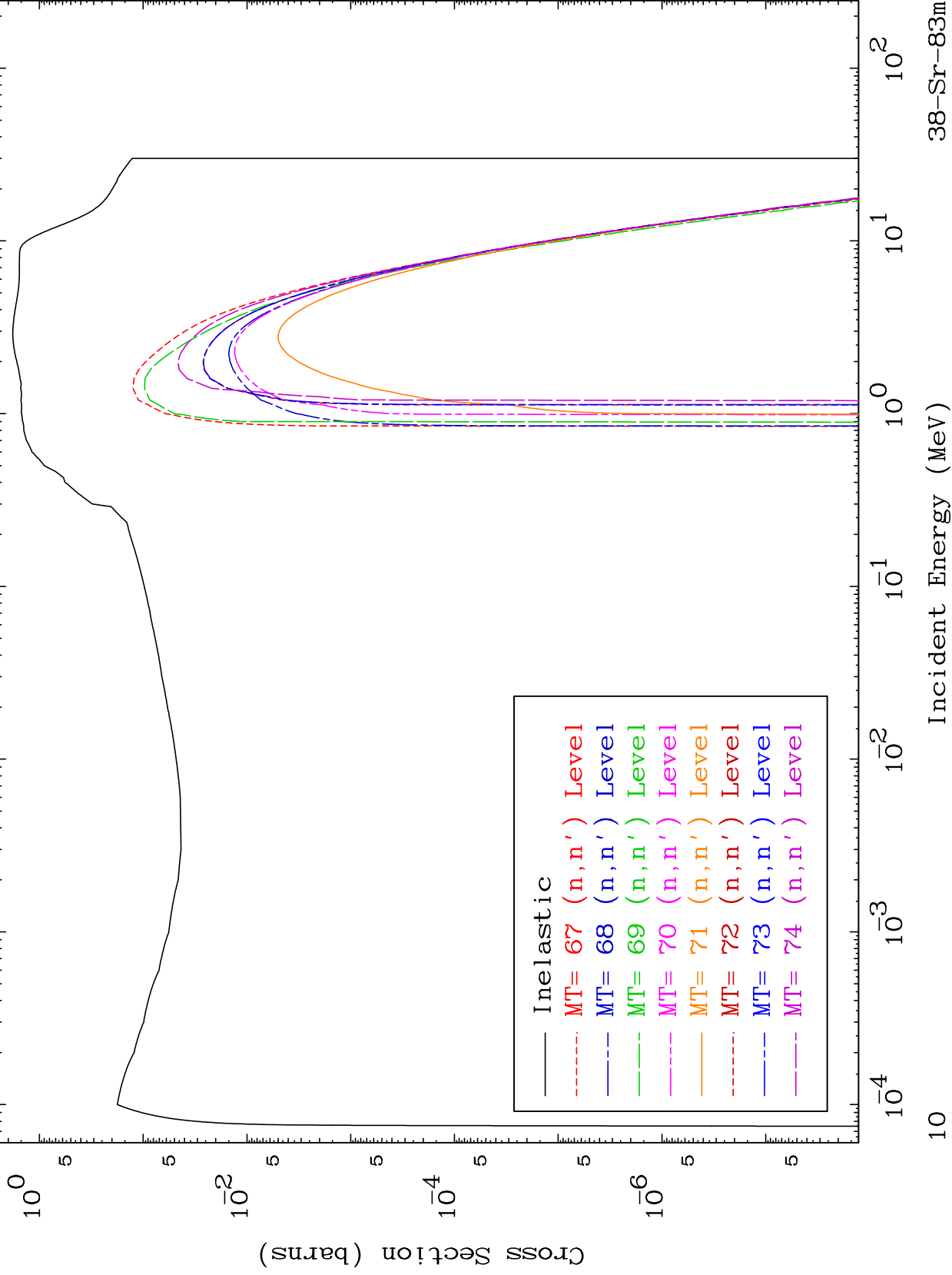
38-Sr-83m



MAT 3823

(n,n') Levels
293 Kelvin Cross Sections

38-Sr-83m



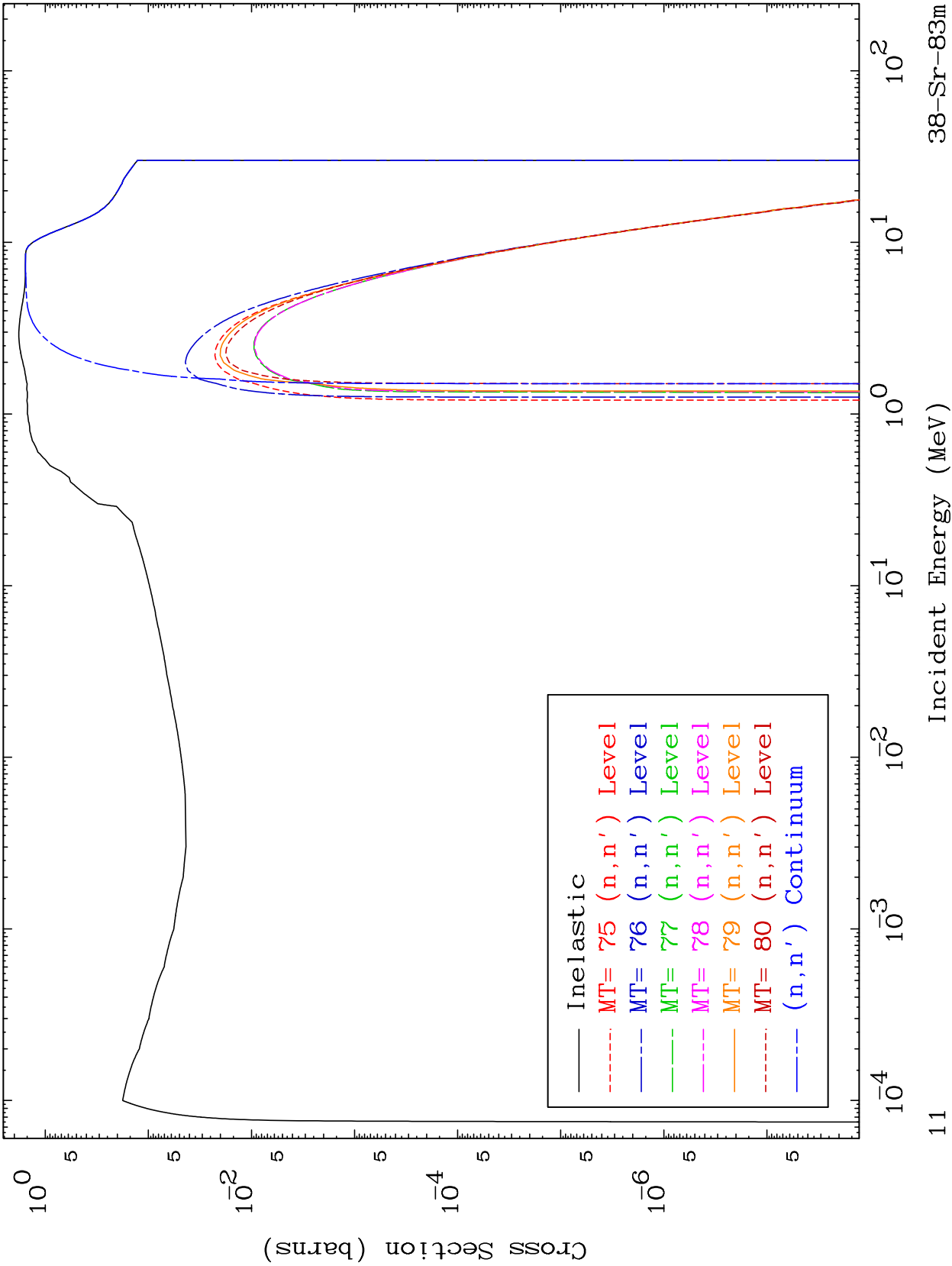
38-Sr-83m

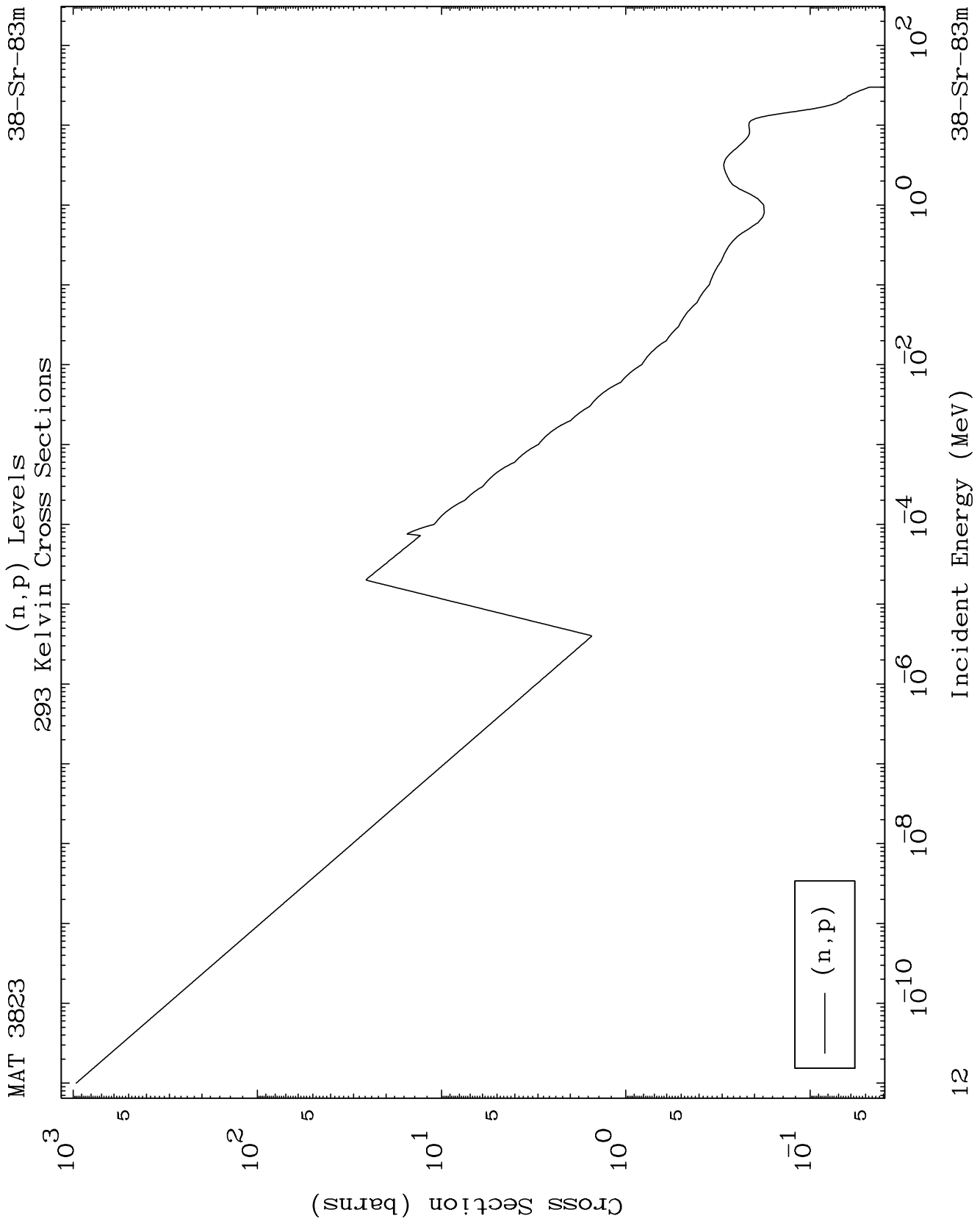
Incident Energy (MeV)

MAT 3823

(n,n') Levels
293 Kelvin Cross Sections

38-Sr-83m

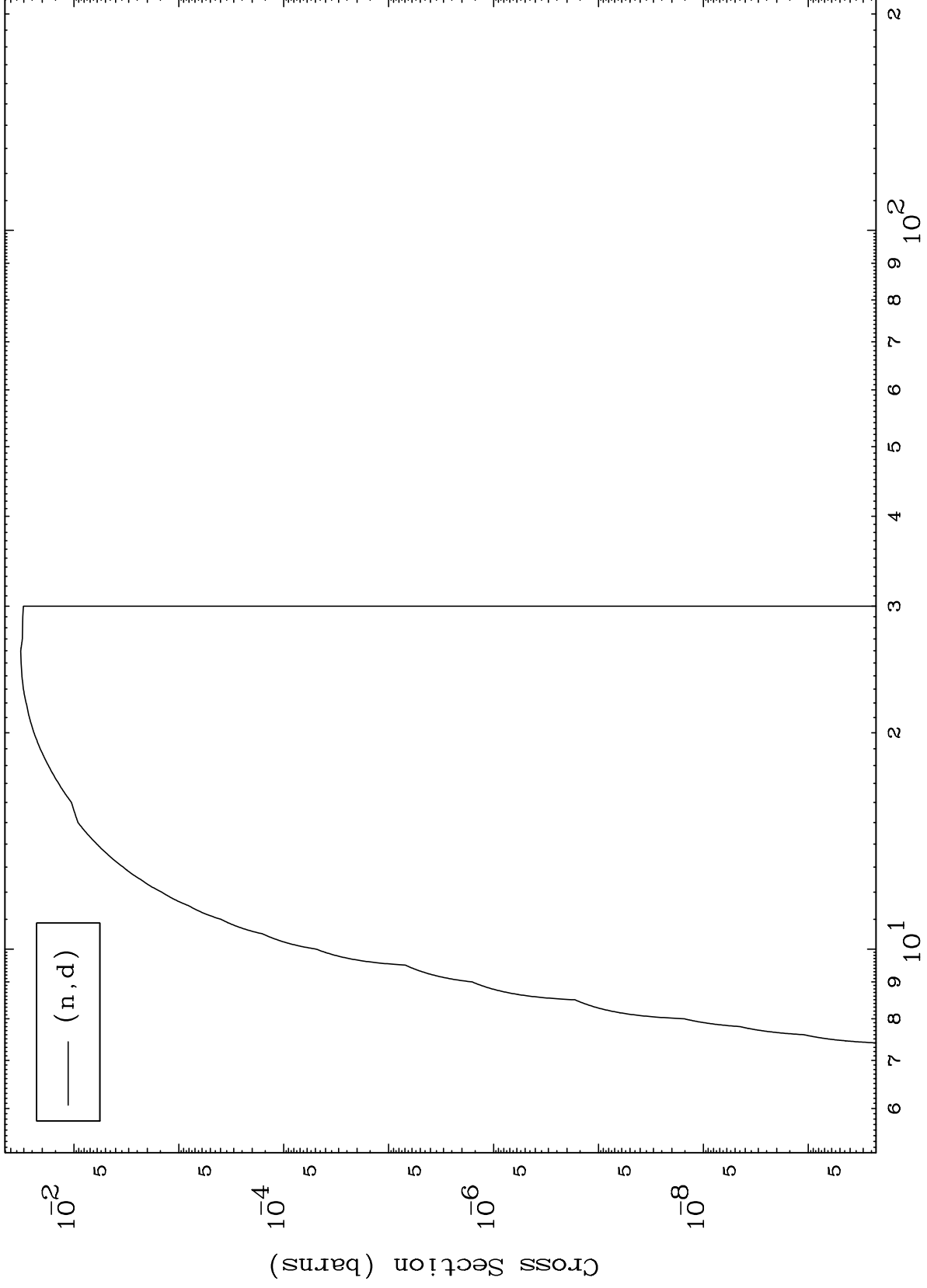




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(n,d) Levels
293 Kelvin Cross Sections

38-Sr-83m



13

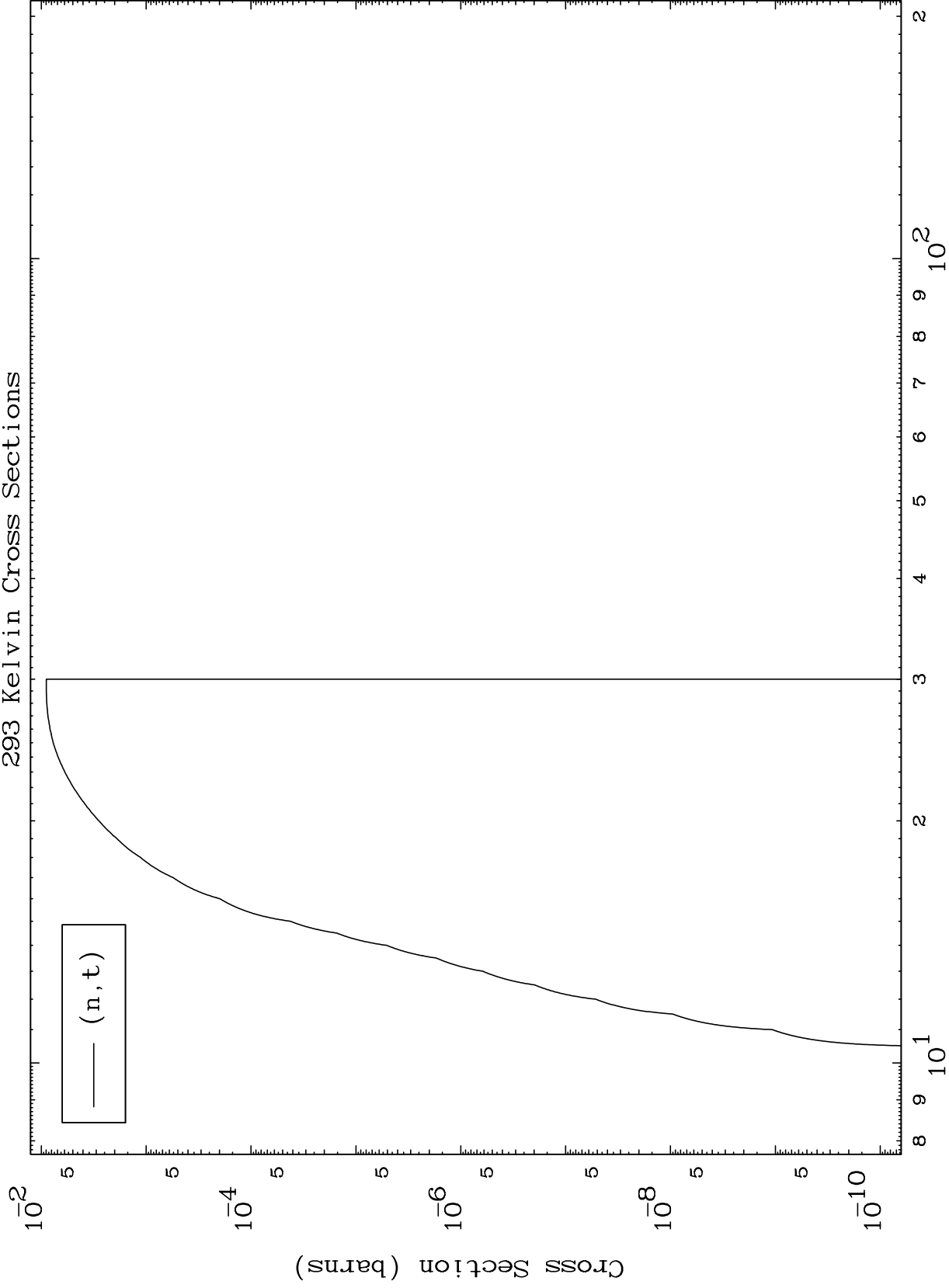
Incident Energy (MeV)

38-Sr-83m

MAT 3823

(n,t) Levels
293 Kelvin Cross Sections

38-Sr-83m



14

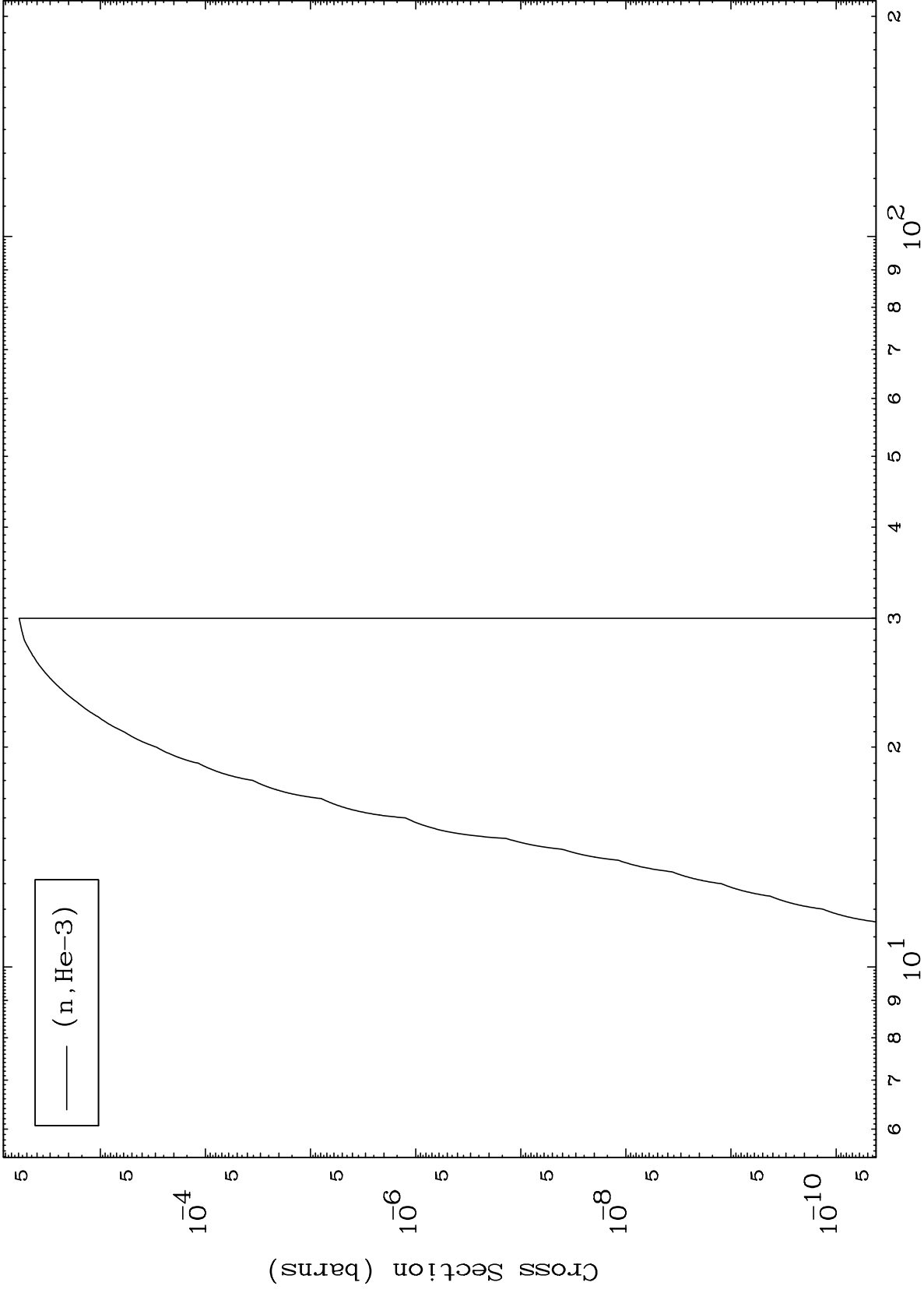
Incident Energy (MeV)

38-Sr-83m

MAT 3823

(n,He3) Levels
293 Kelvin Cross Sections

38-Sr-83m



15

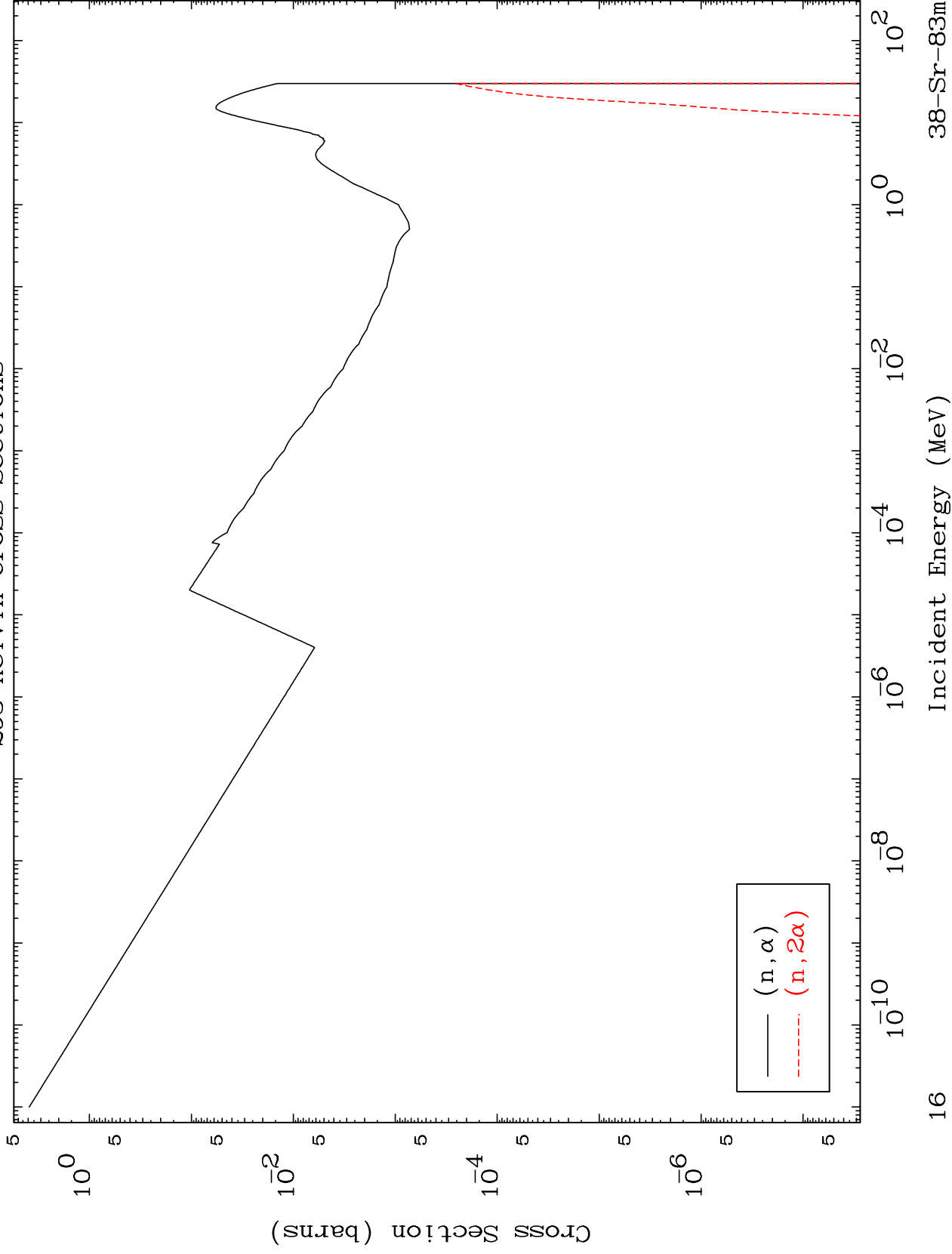
Incident Energy (MeV)

38-Sr-83m

MAT 3823

(n,α) Levels
293 Kelvin Cross Sections

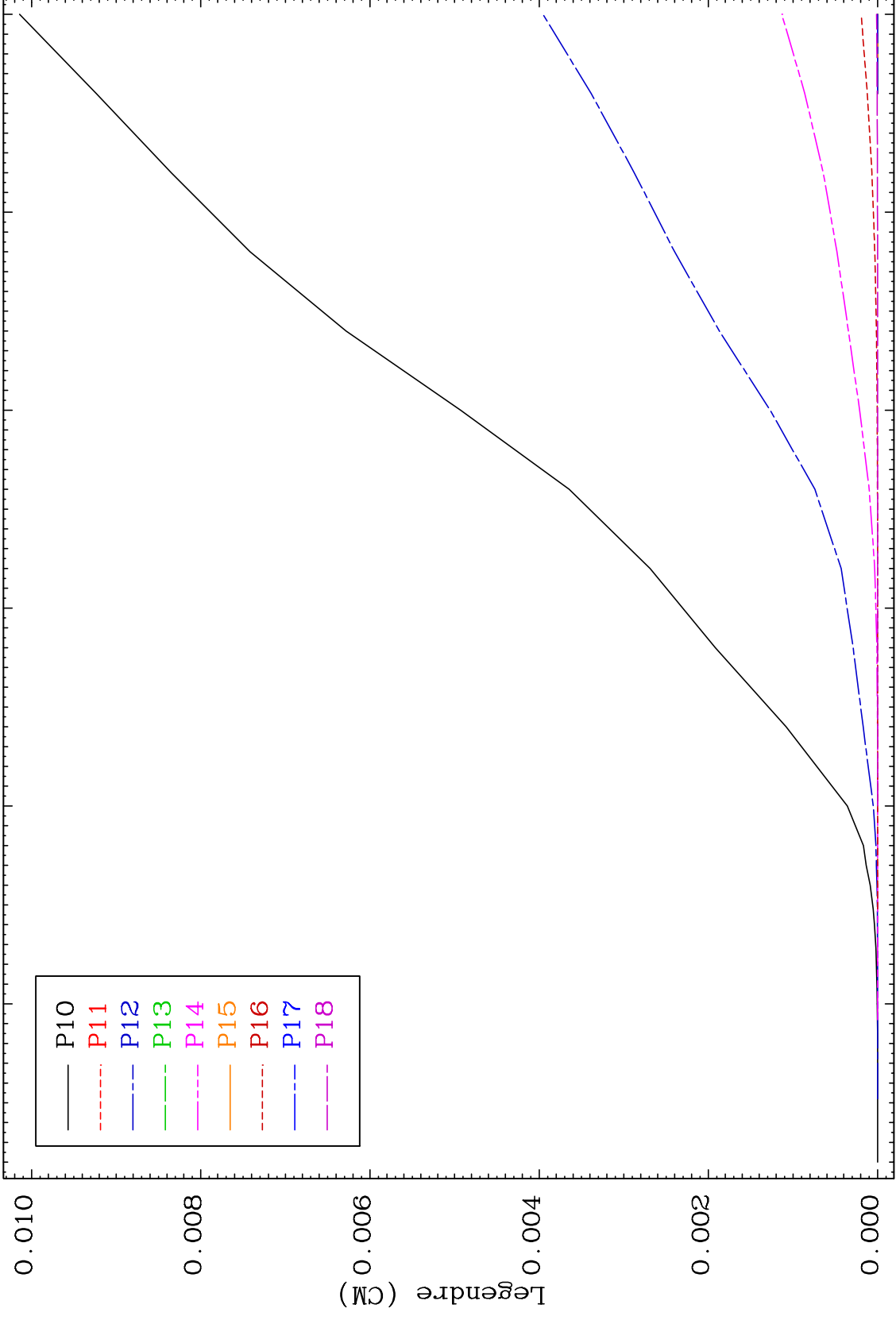
38-Sr-83m



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Elastic Legendre Coefficients

38-Sr-83m



18

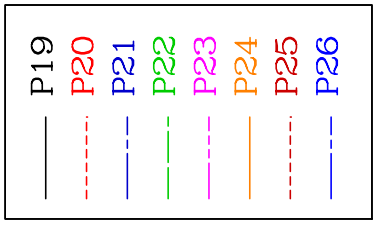
38-Sr-83m

Incident Energy (MeV)

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Elastic Legendre Coefficients

38-Sr-83m



$\times 10^{-7}$

Legendre (CM)

6

4

2

0

15

20

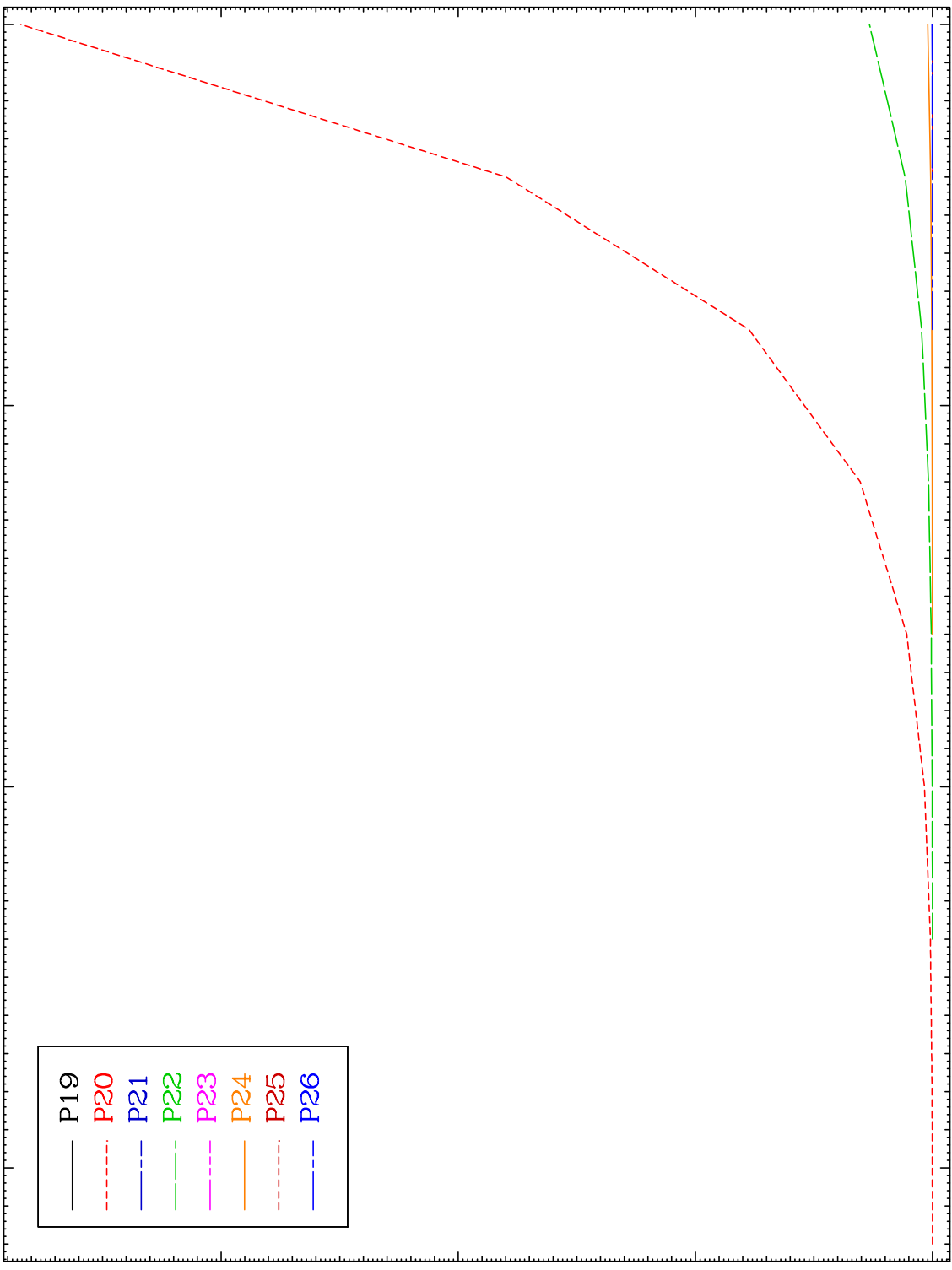
25

30

19

Incident Energy (MeV)

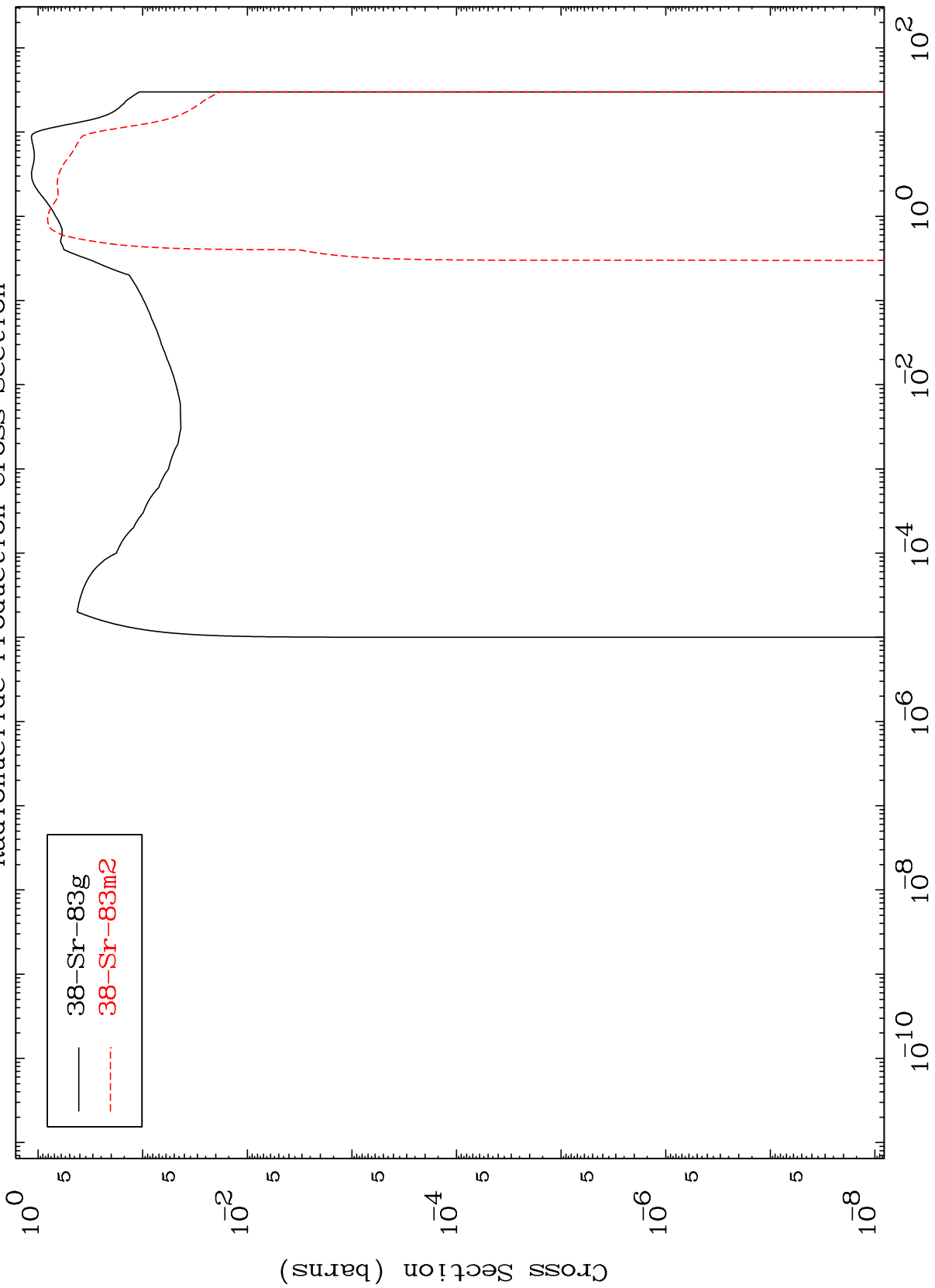
38-Sr-83m



MAT 3823

38-Sr-83m

Inelastic
Radionuclide Production Cross Section

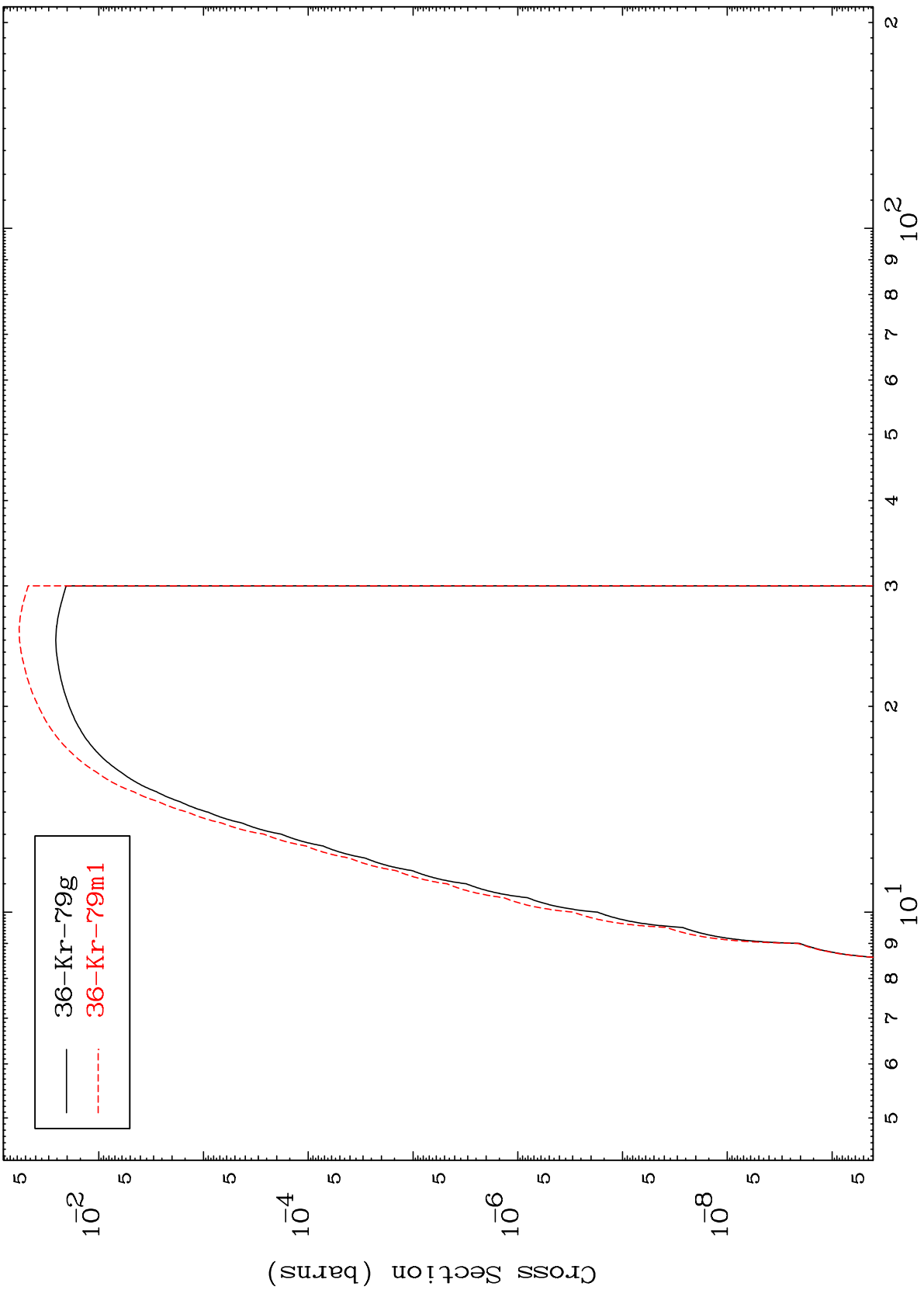


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$(n, n') \alpha$

38-Sr-83m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

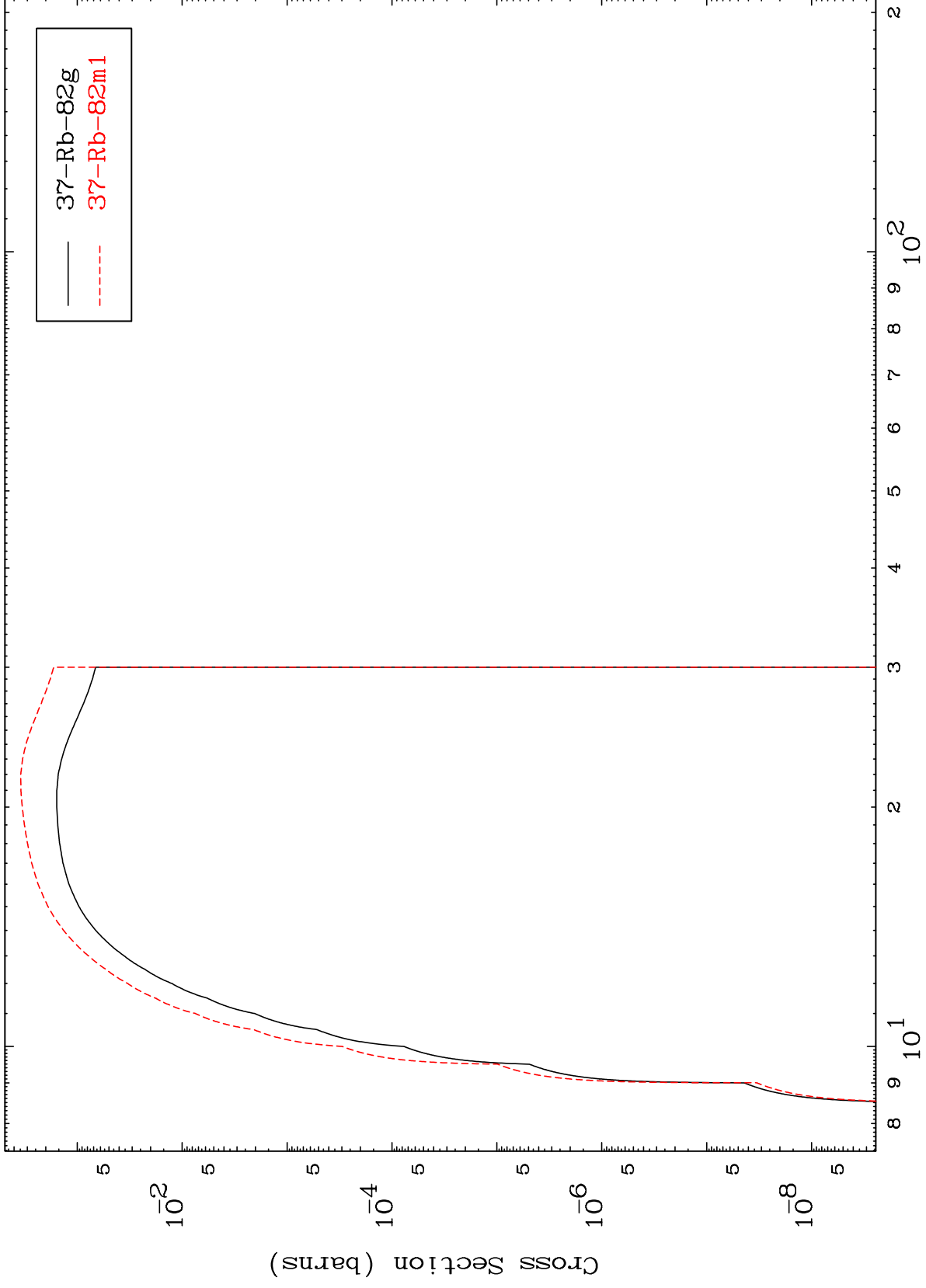
38-Sr-83m

MAT 3823

(n,n') p

38-Sr-83m

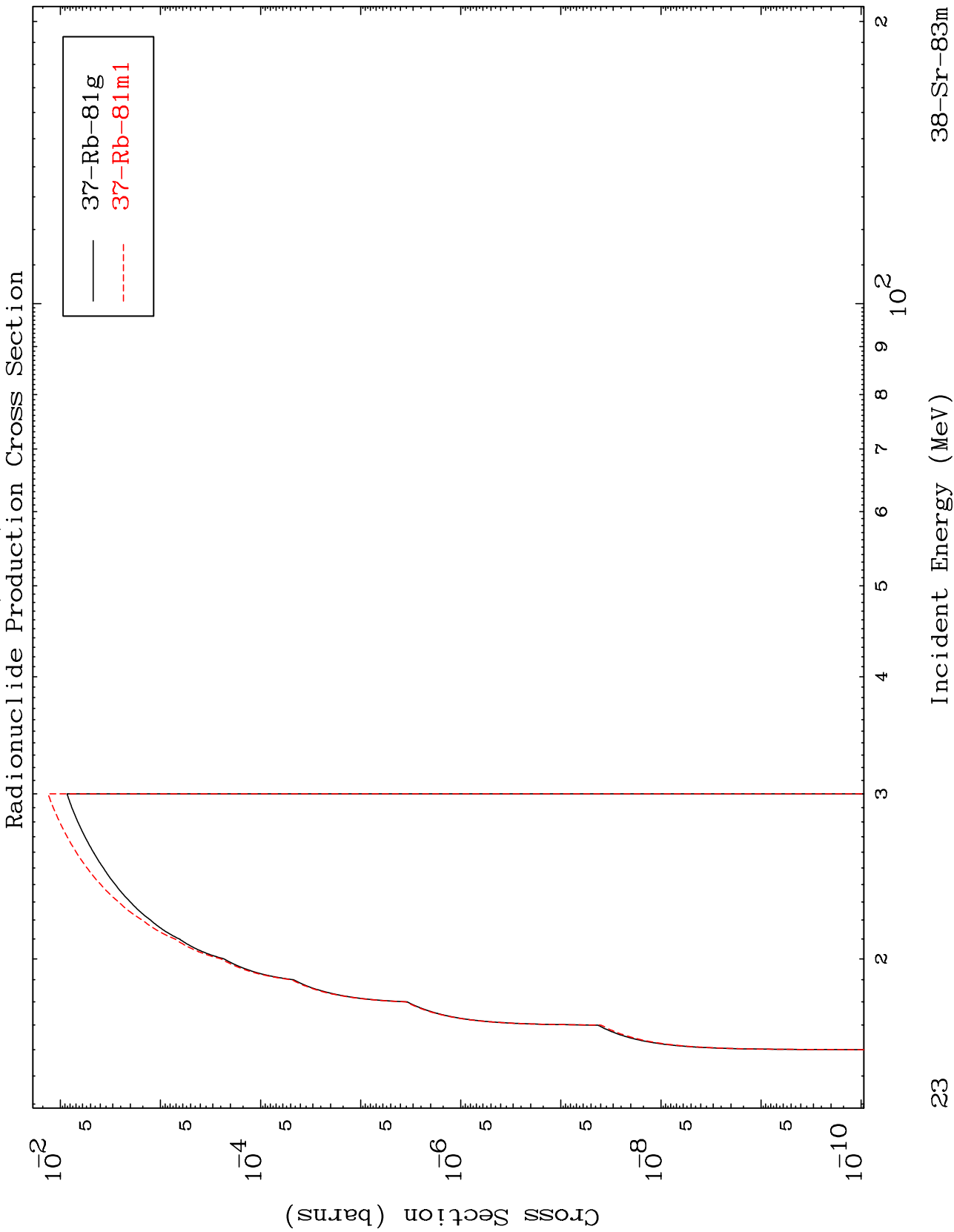
Radionuclide Production Cross Section



22

Incident Energy (MeV)

38-Sr-83m

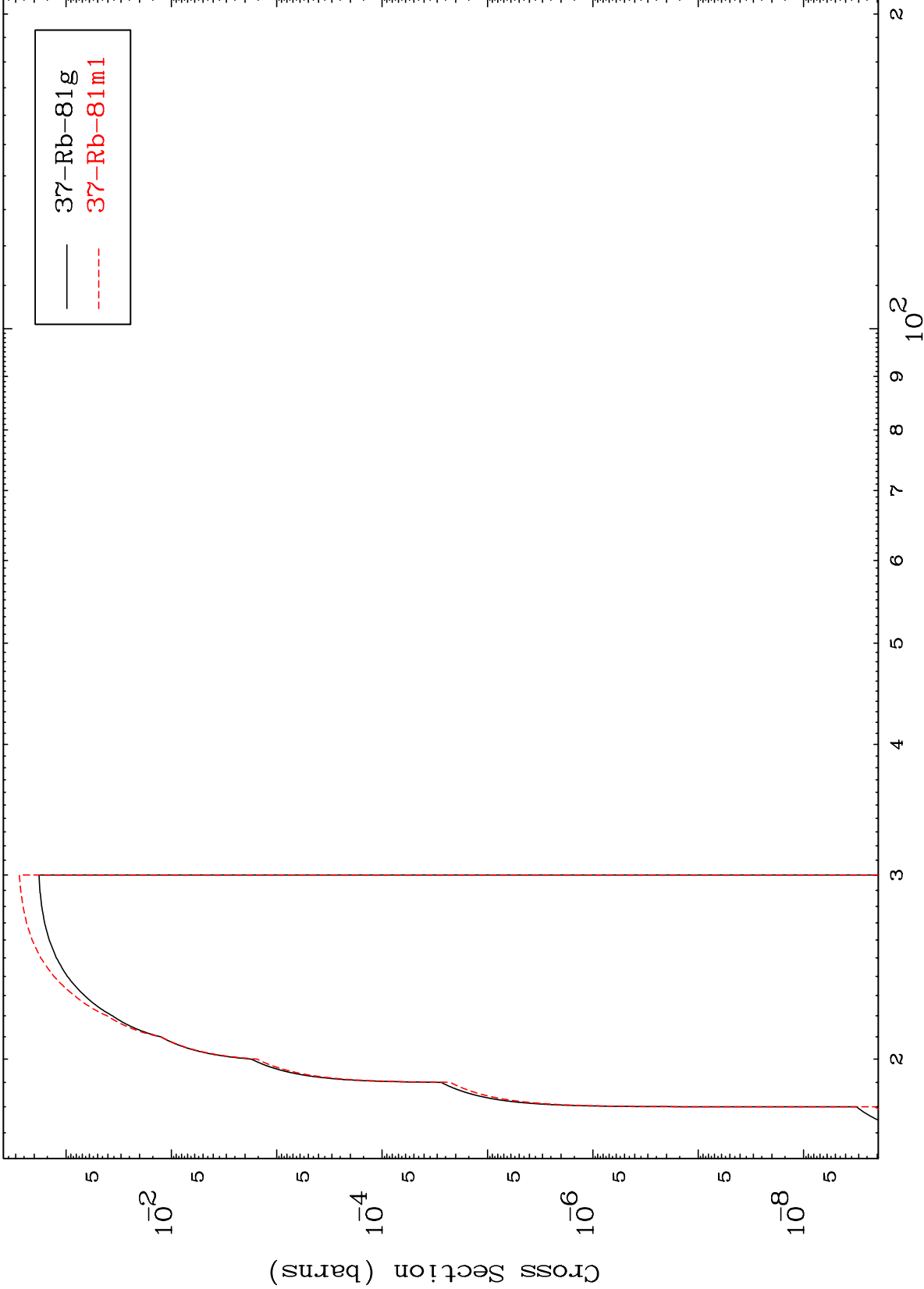


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(n,2n) p

38-Sr-83m

Radionuclide Production Cross Section

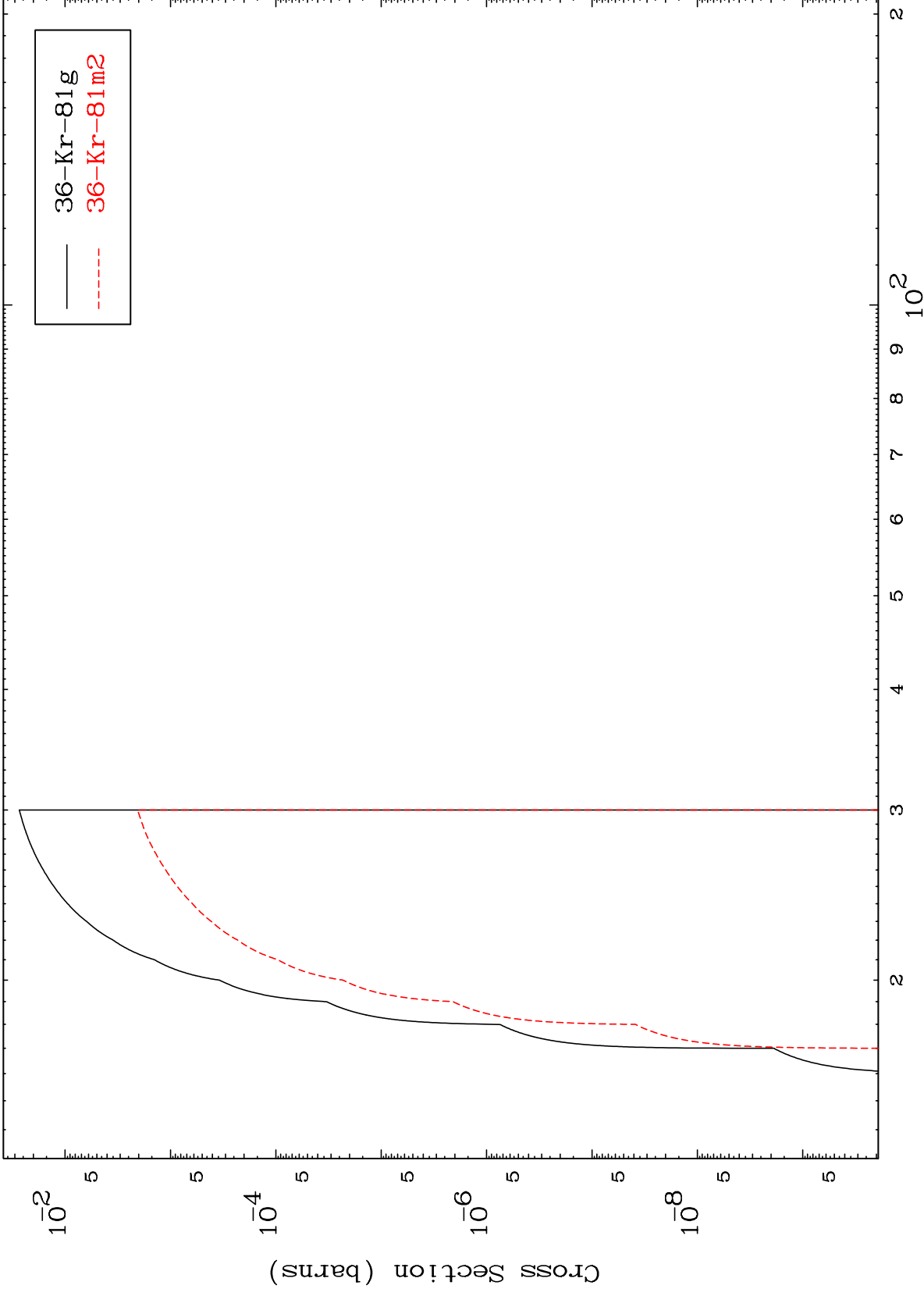


24

Incident Energy (MeV)

38-Sr-83m

Radionuclide Production Cross Section

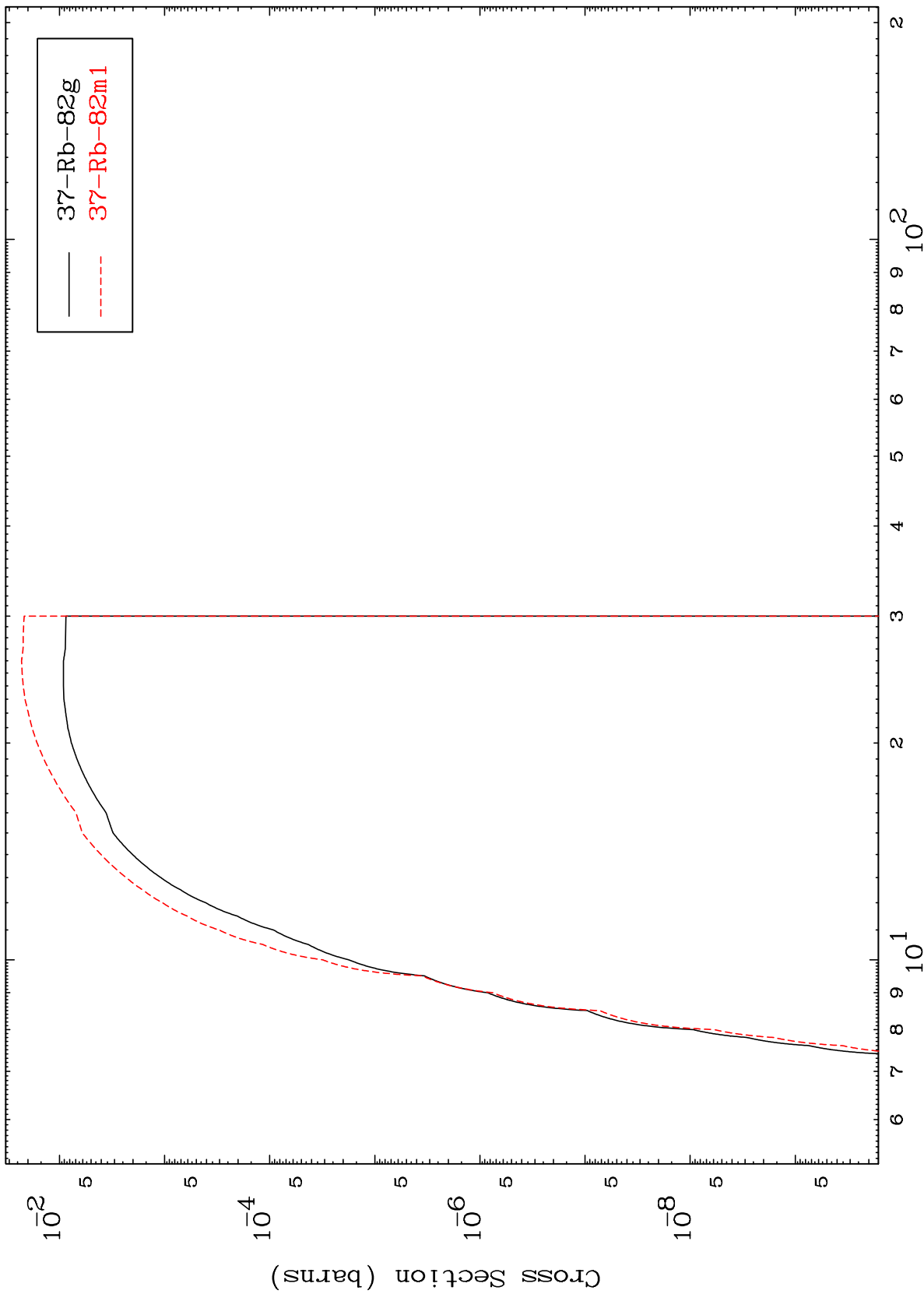


36-Kr-81g
36-Kr-81m2

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38-Sr-83m

(n,d)
Radionuclide Production Cross Section



26

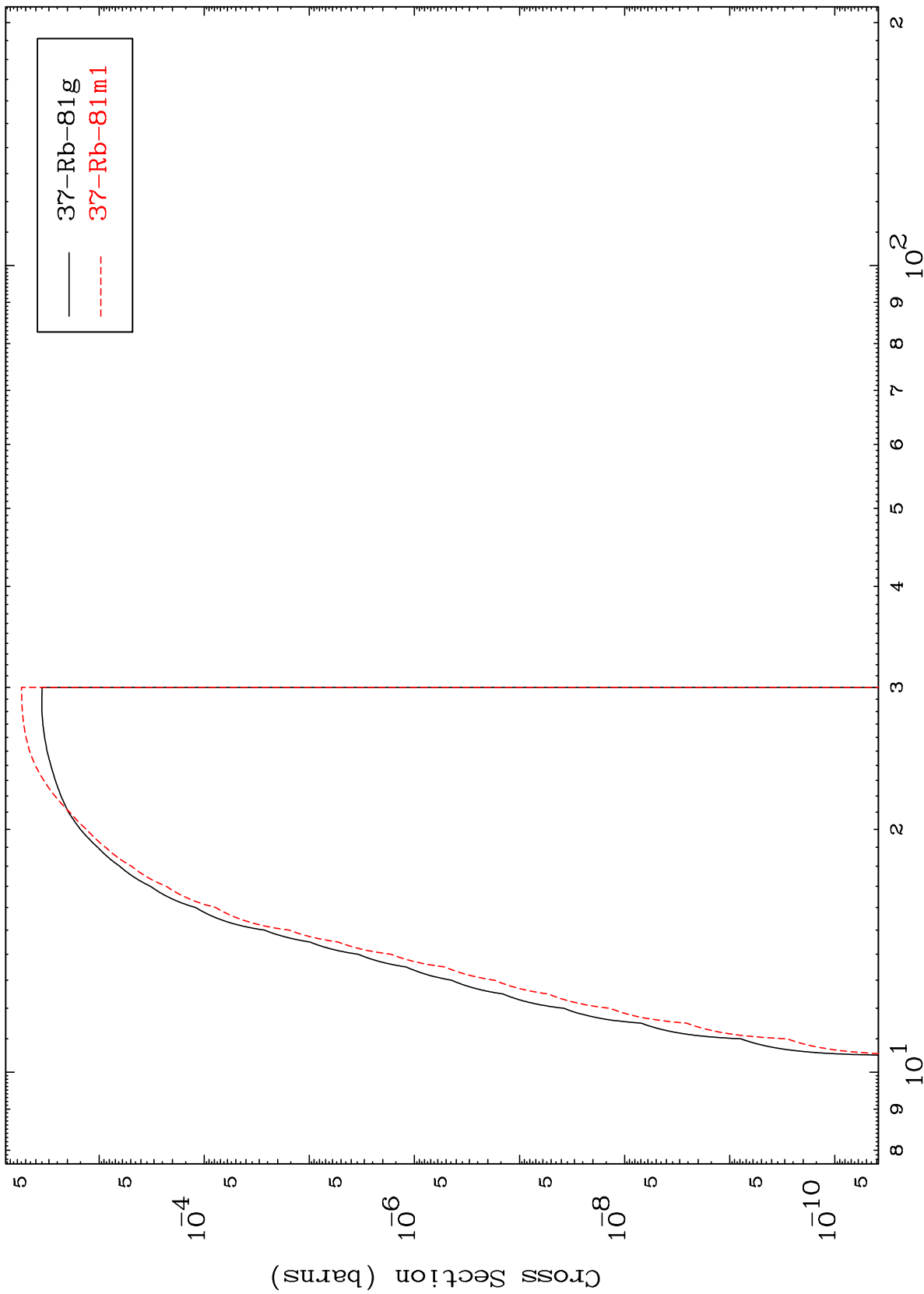
Incident Energy (MeV)

38-Sr-83m

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³⁸Sr-83m

(n, t)
Radionuclide Production Cross Section



27

Incident Energy (MeV)

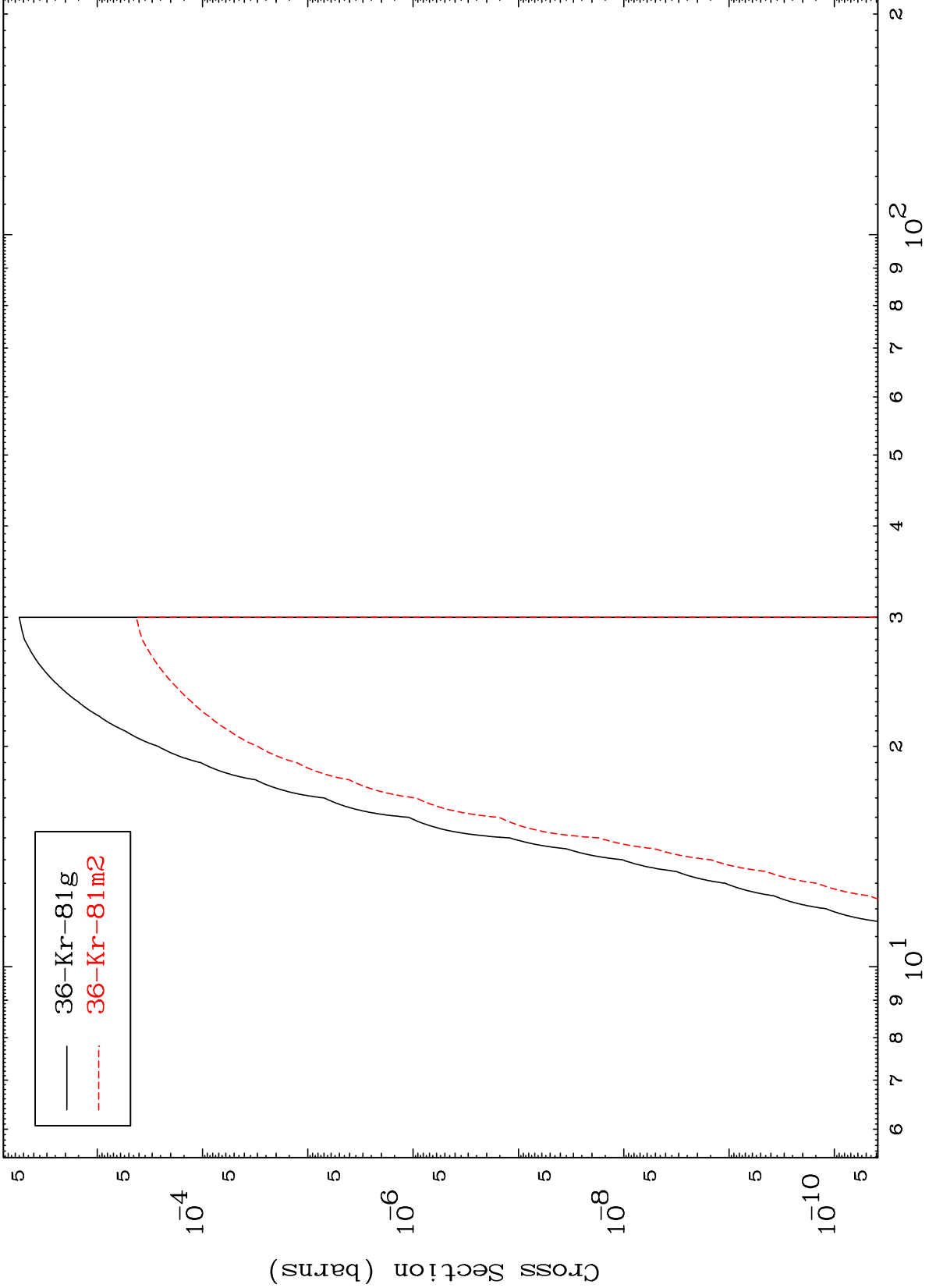
³⁸Sr-83m

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(n,He-3)

38-Sr-83m

Radionuclide Production Cross Section



— 36-Kr-81g
- - - 36-Kr-81m2

28

Incident Energy (MeV)

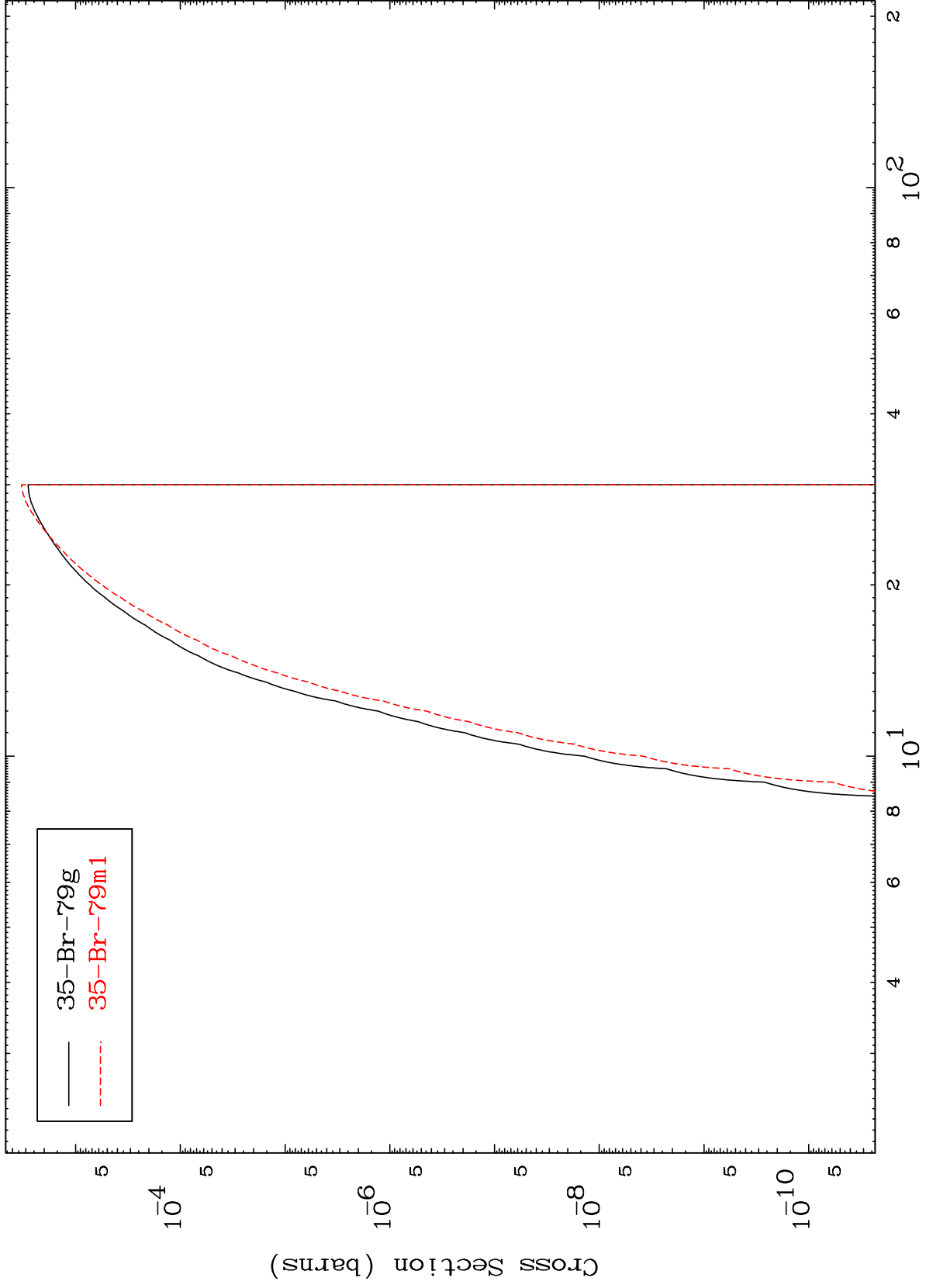
38-Sr-83m

MAT 3823

(n,p) α

38-Sr-83m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

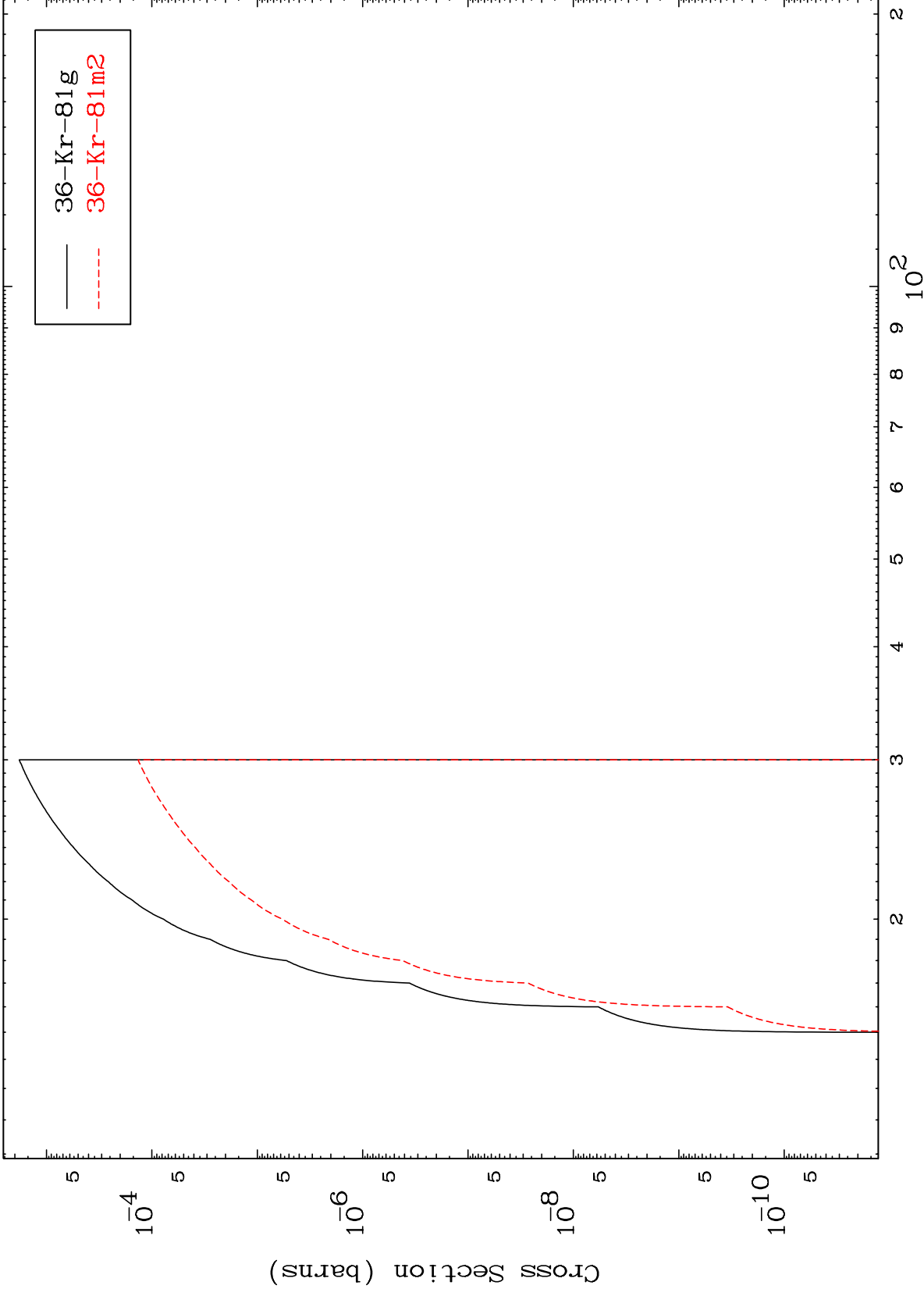
38-Sr-83m

MAT 3823

(n,p) d

38-Sr-83m

Radionuclide Production Cross Section



36-Kr-81g
36-Kr-81m2

30

Incident Energy (MeV)

38-Sr-83m