

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

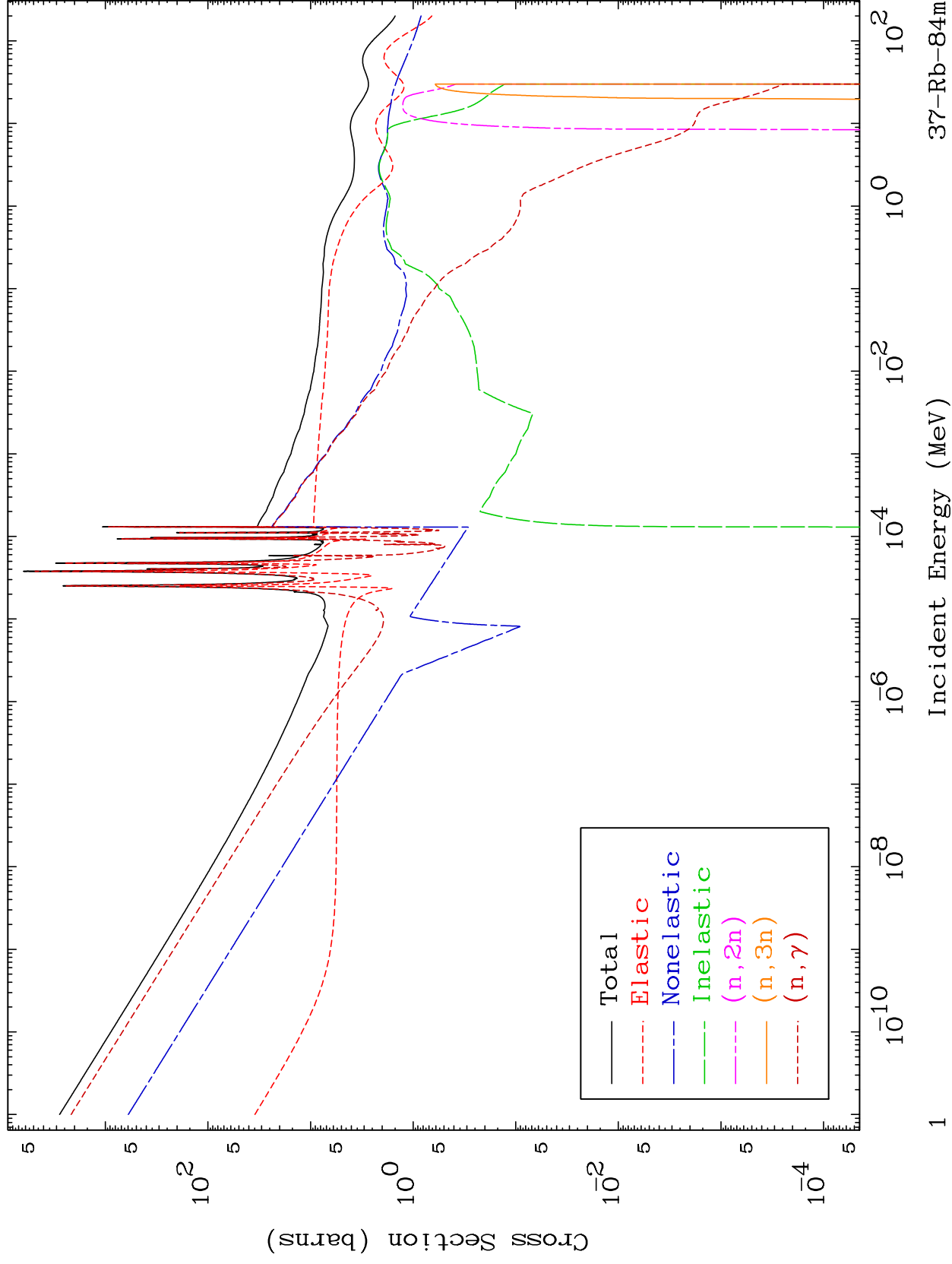
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3723

Neutron Major
293 Kelvin Cross Sections

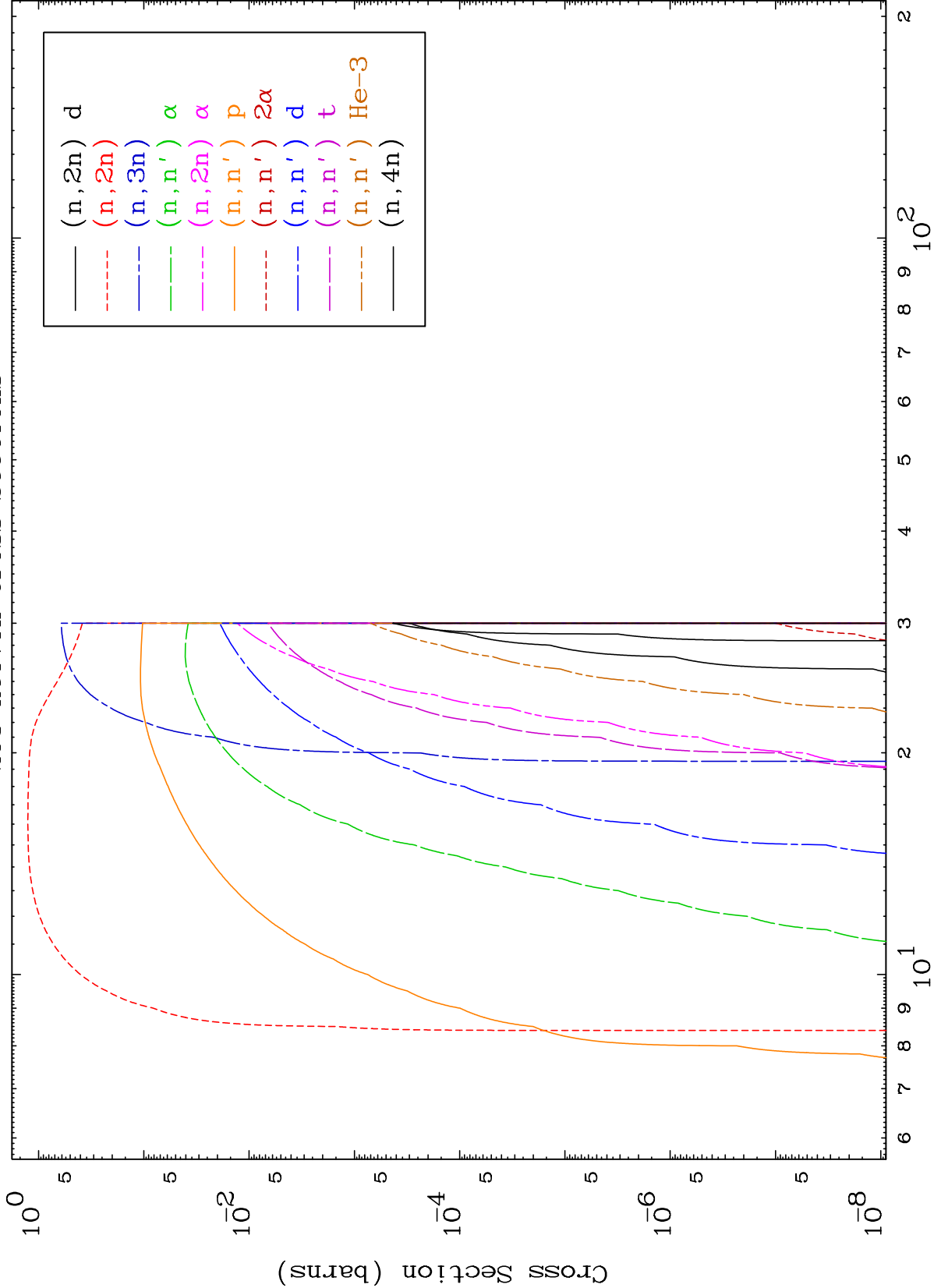
37-Rb-84m



MAT 3723

Neutron Absorption
293 Kelvin Cross Sections

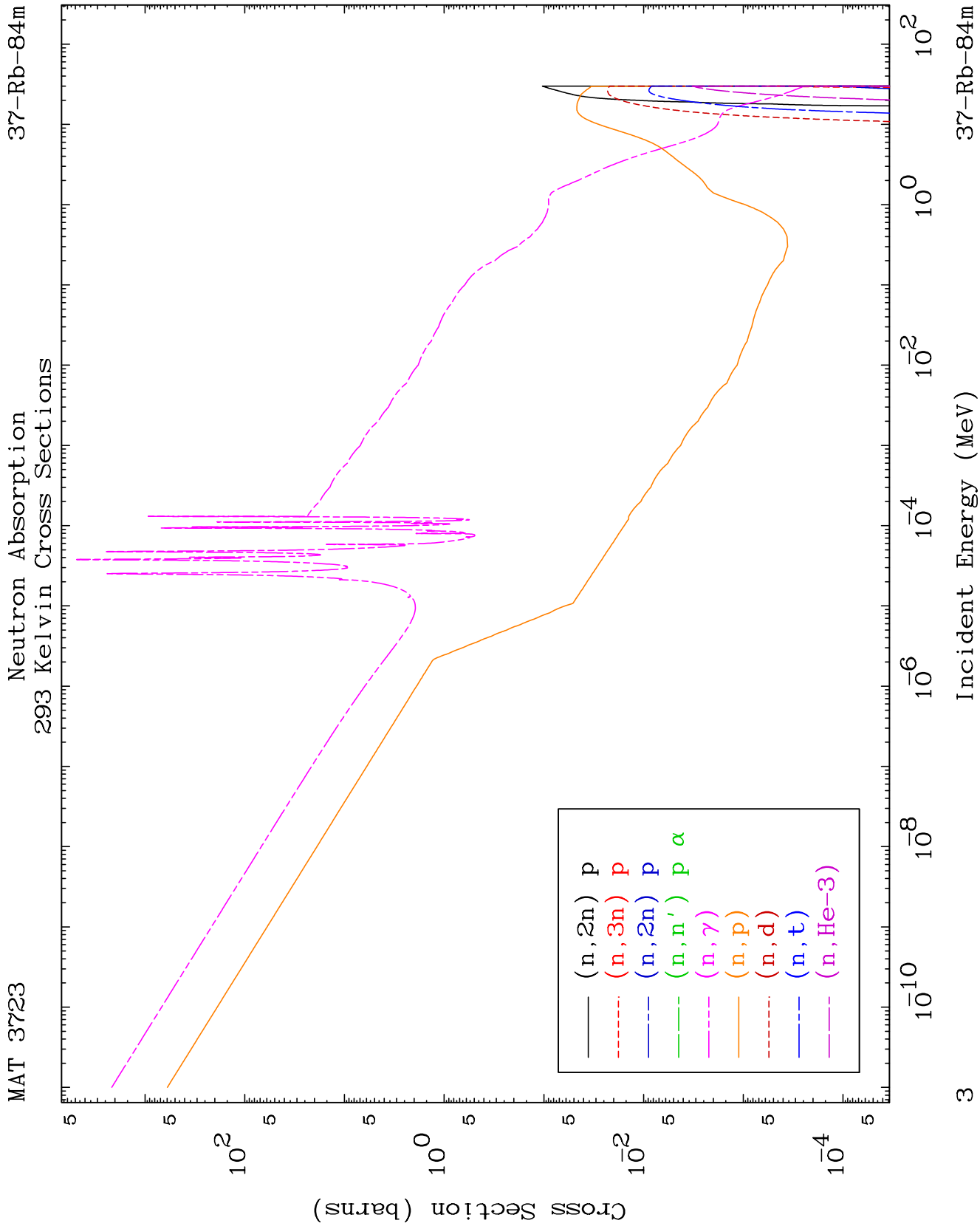
37-Rb-84m

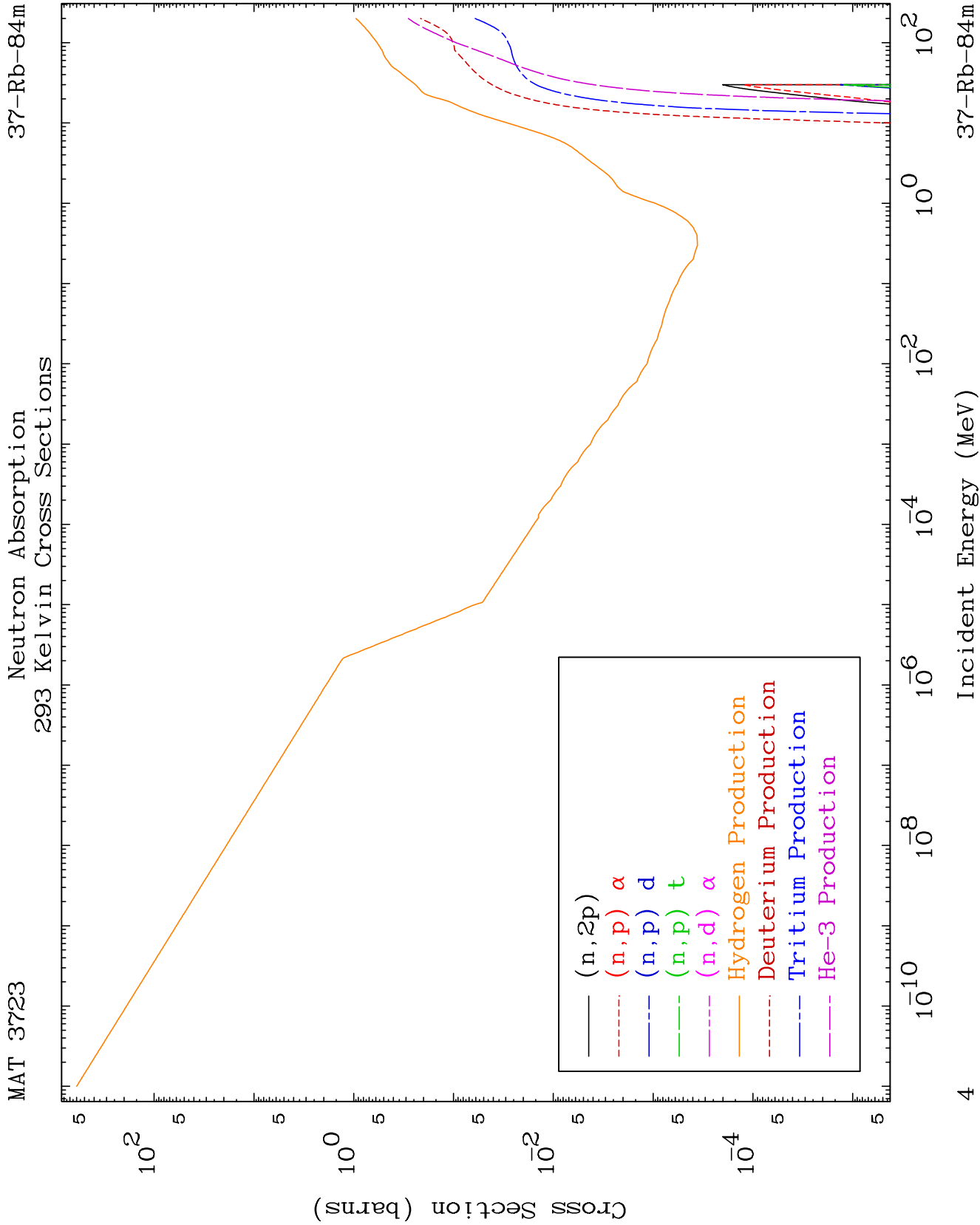


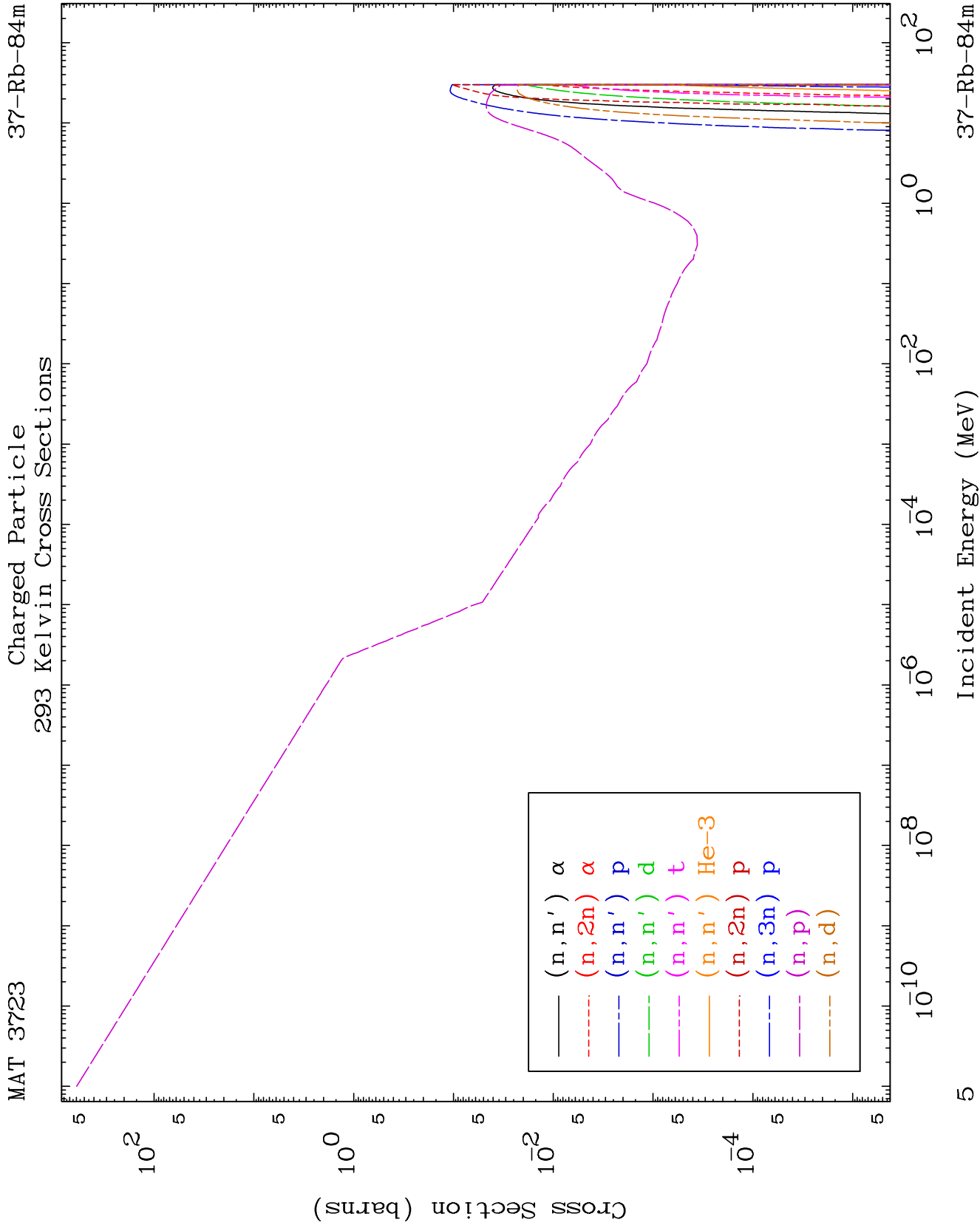
2

Incident Energy (MeV)

37-Rb-84m



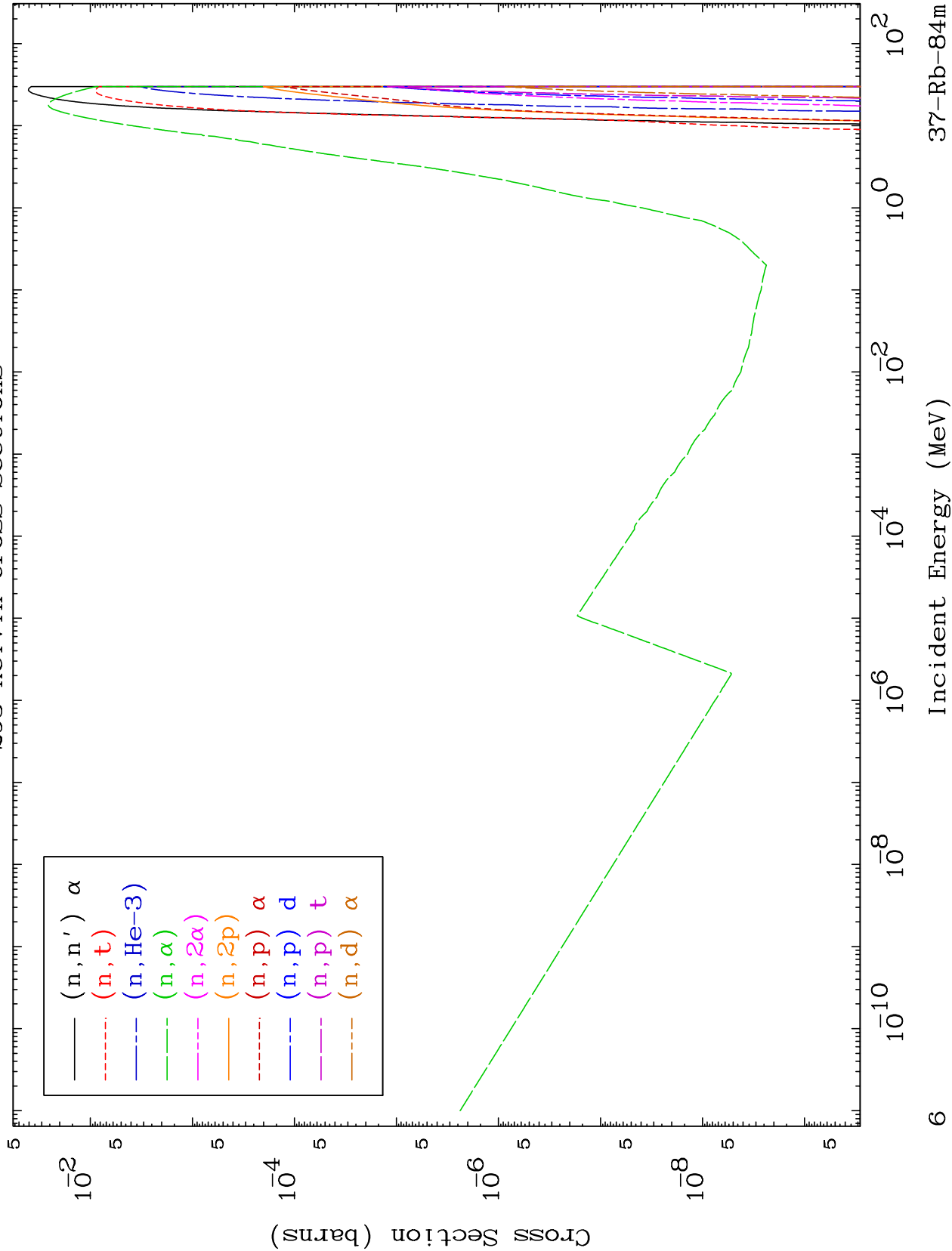




MAT 3723

Charged Particle
293 Kelvin Cross Sections

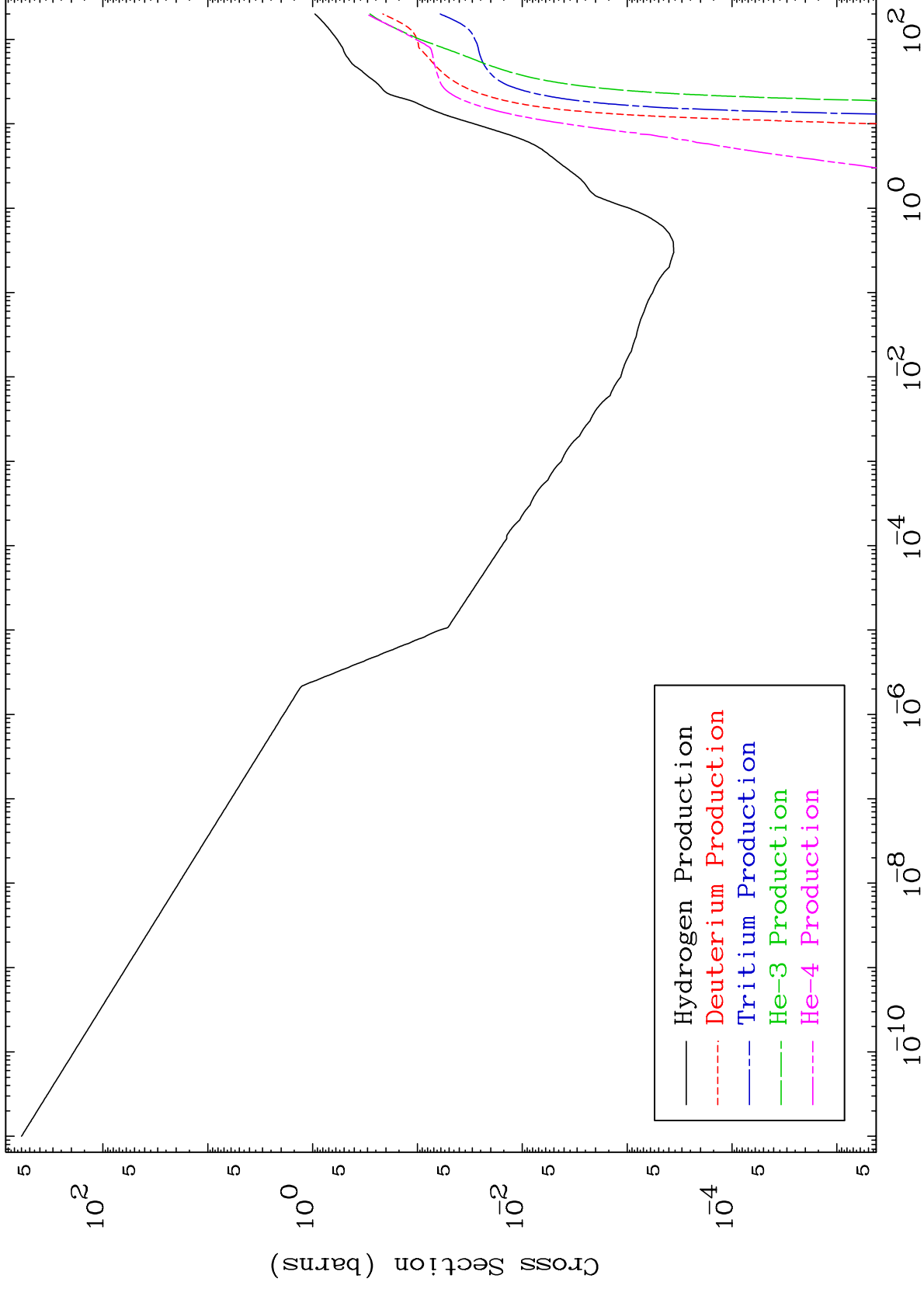
37-Rb-84m



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Particle Production
293 Kelvin Cross Sections

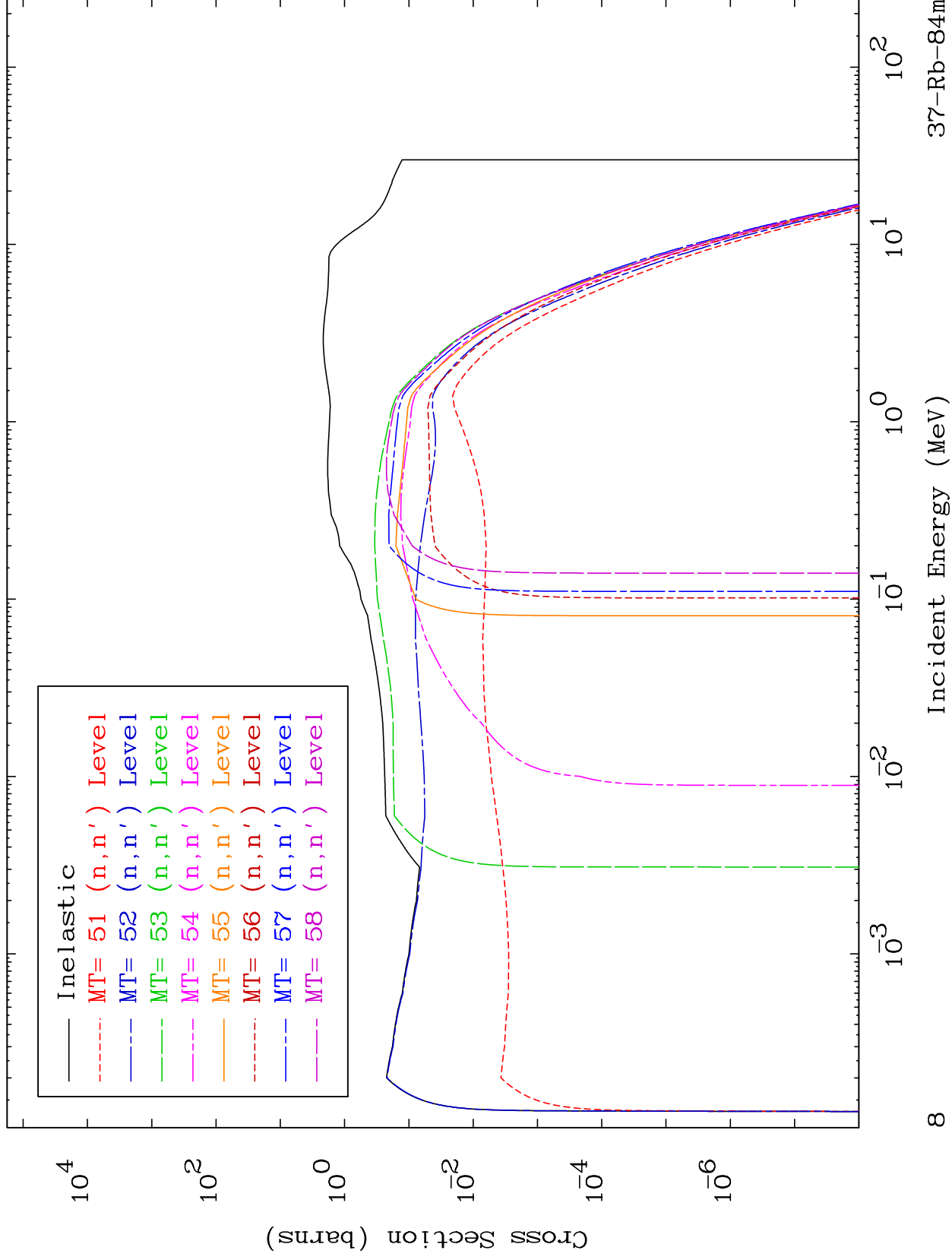
37-Rb-84m

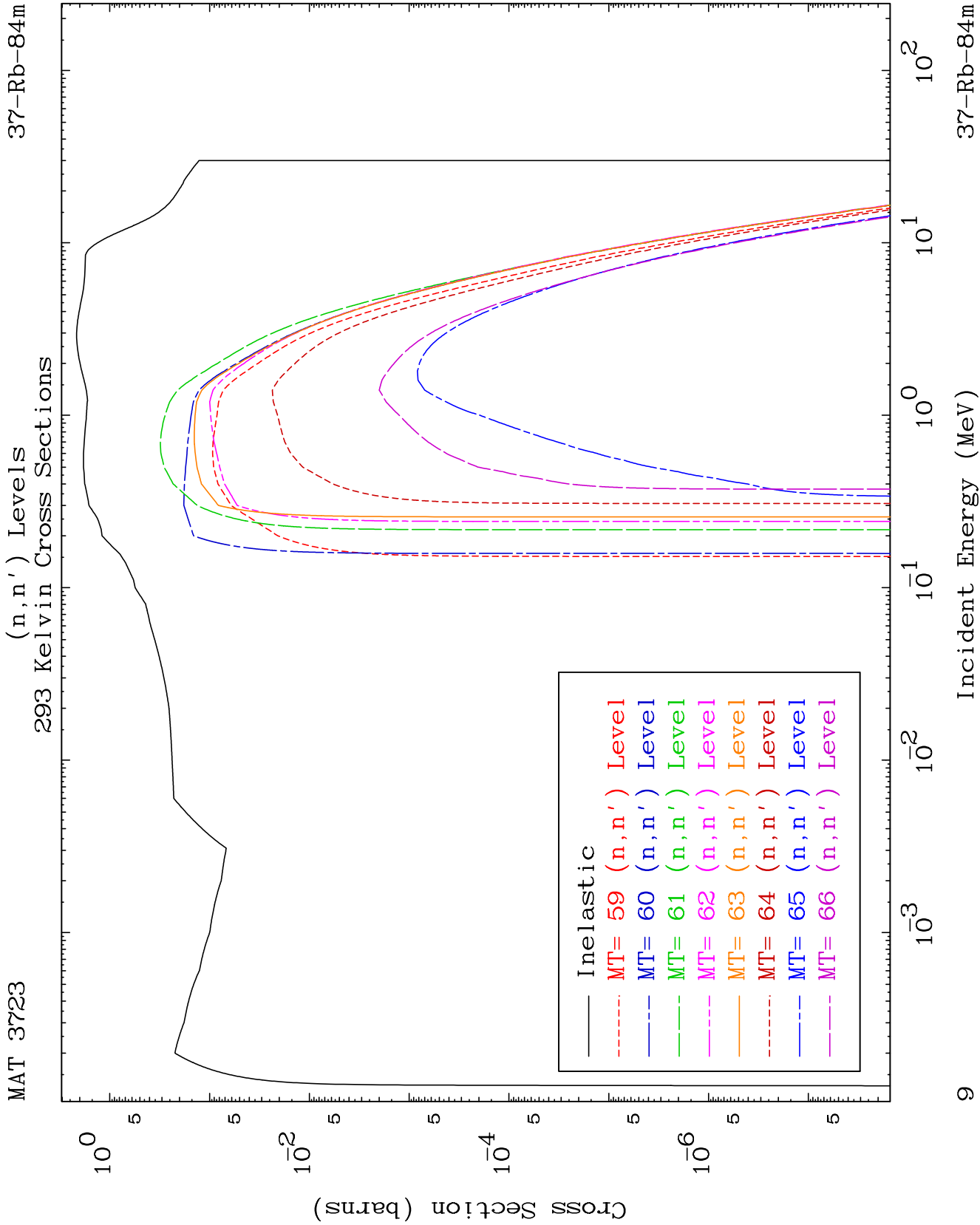


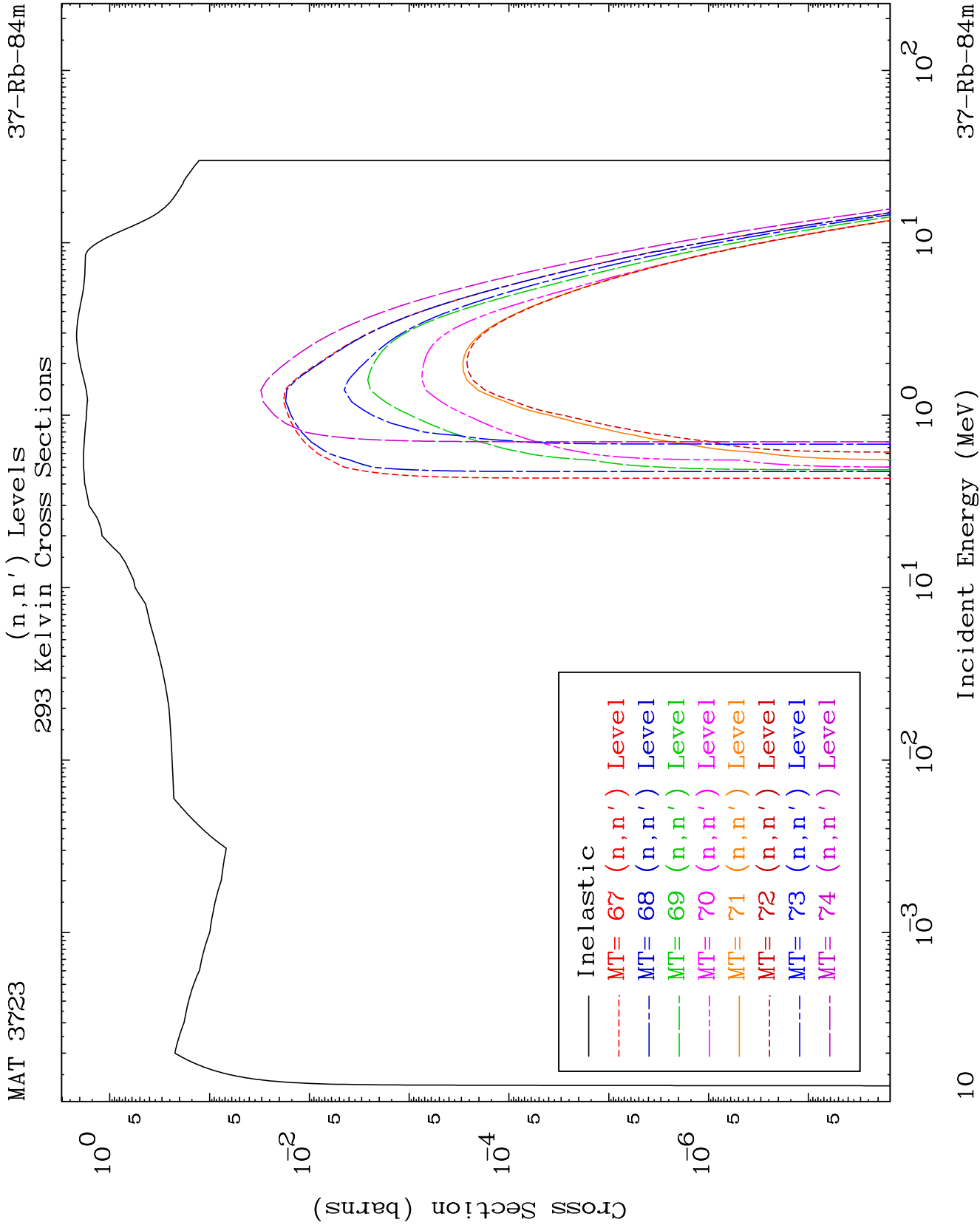
MAT 3723

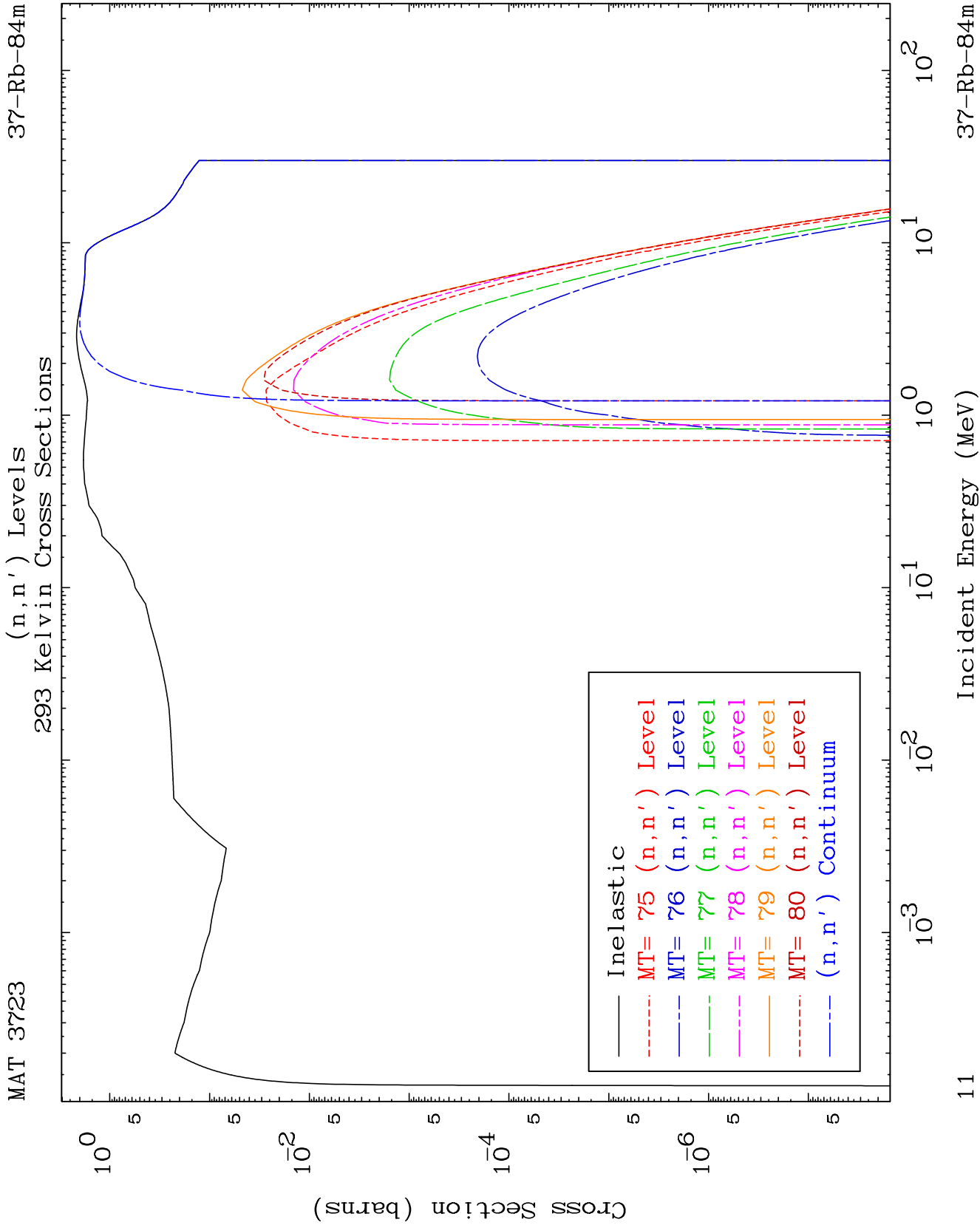
37-Rb-84m

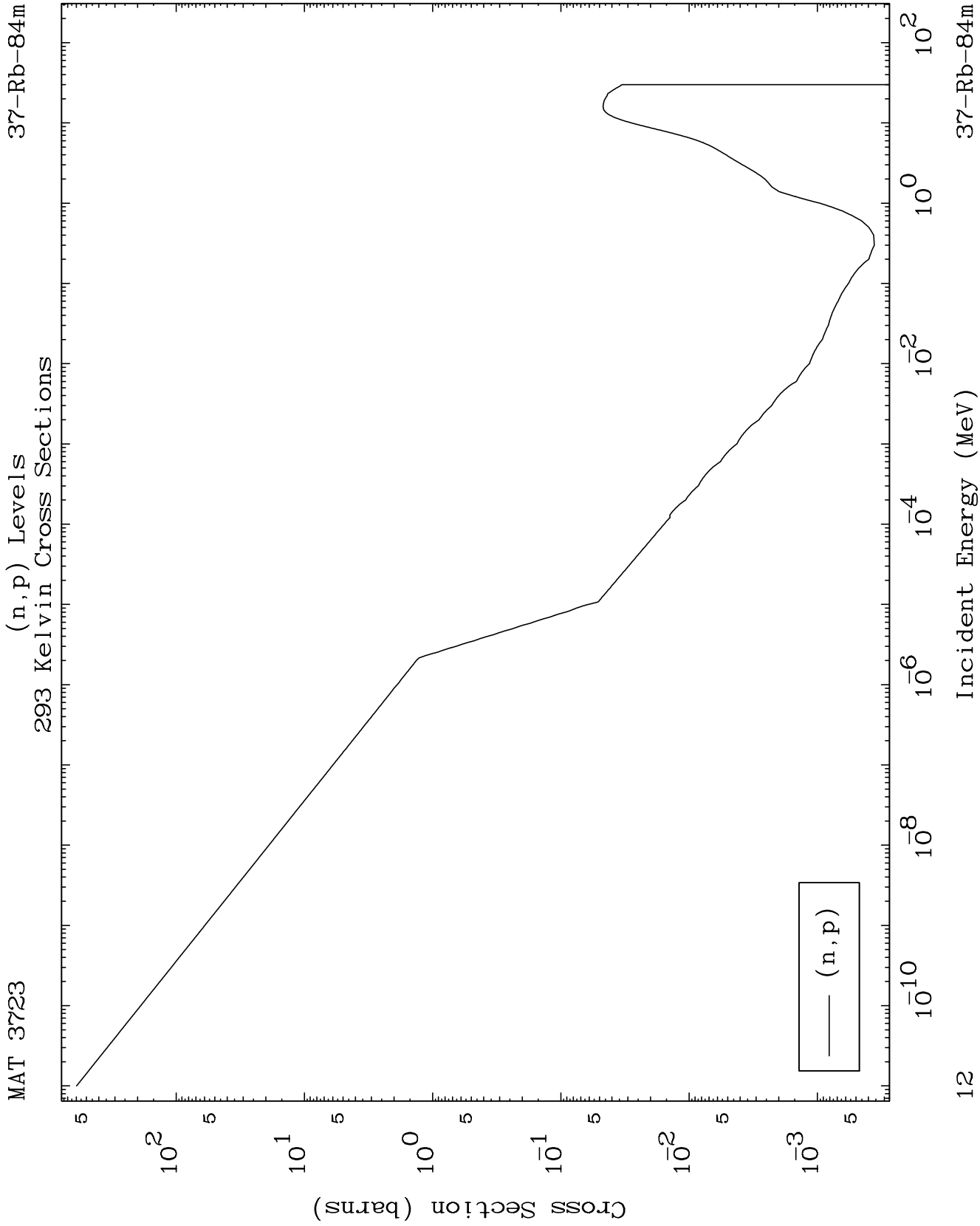
(n,n') Levels
293 Kelvin Cross Sections







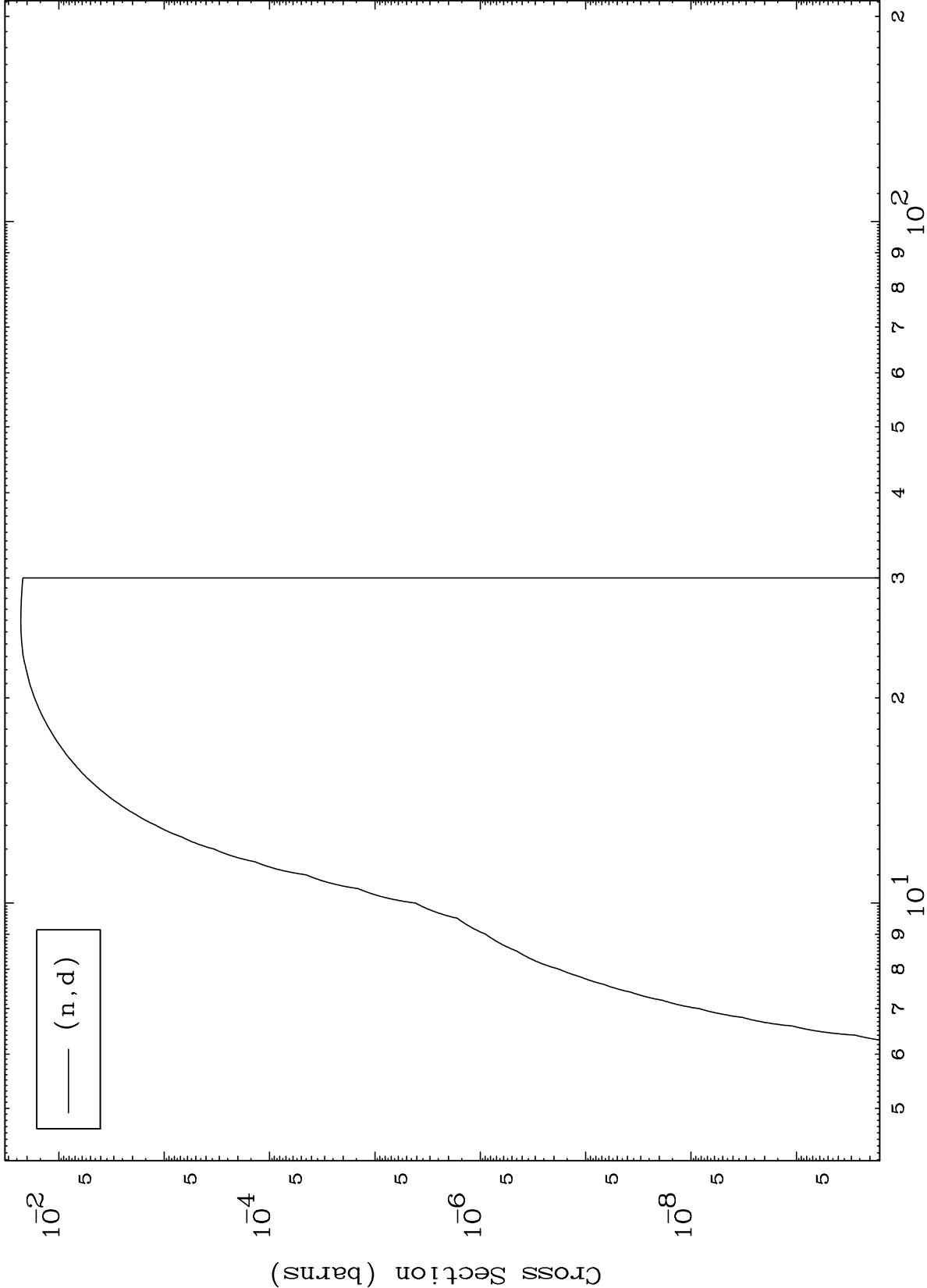




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(n,d) Levels
293 Kelvin Cross Sections

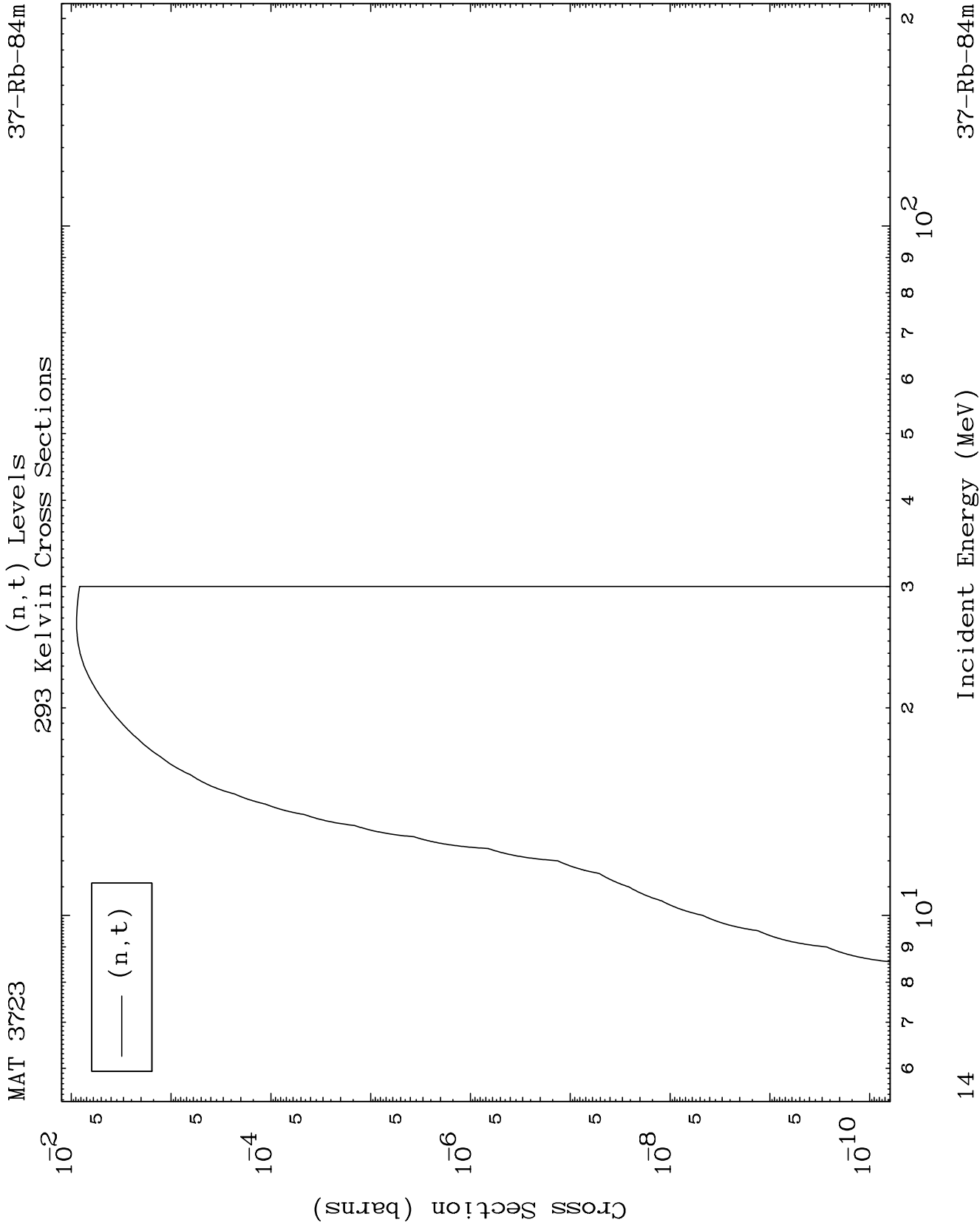
37-Rb-84m



13

Incident Energy (MeV)

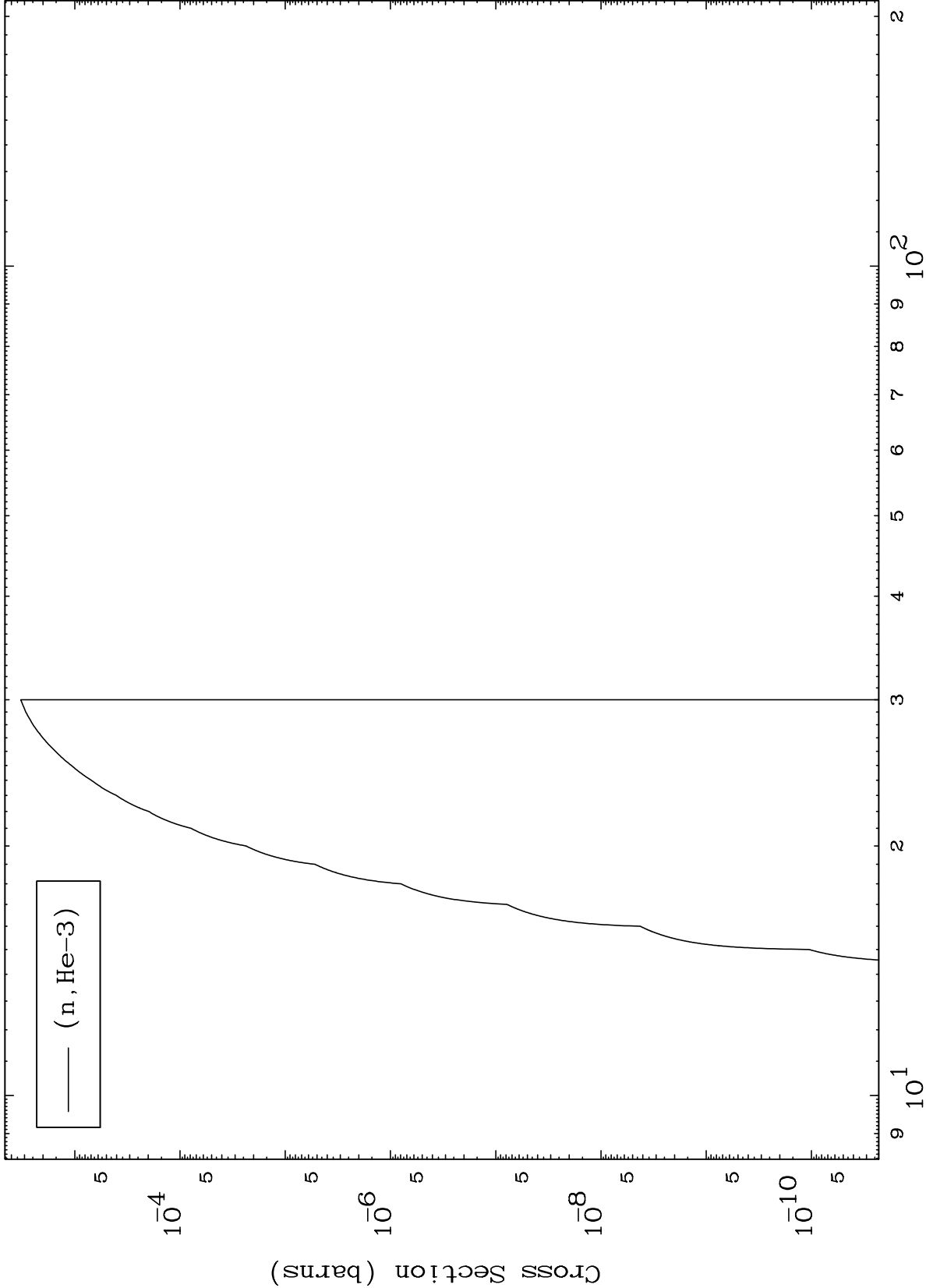
37-Rb-84m



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(n,He3) Levels
293 Kelvin Cross Sections

37-Rb-84m



15

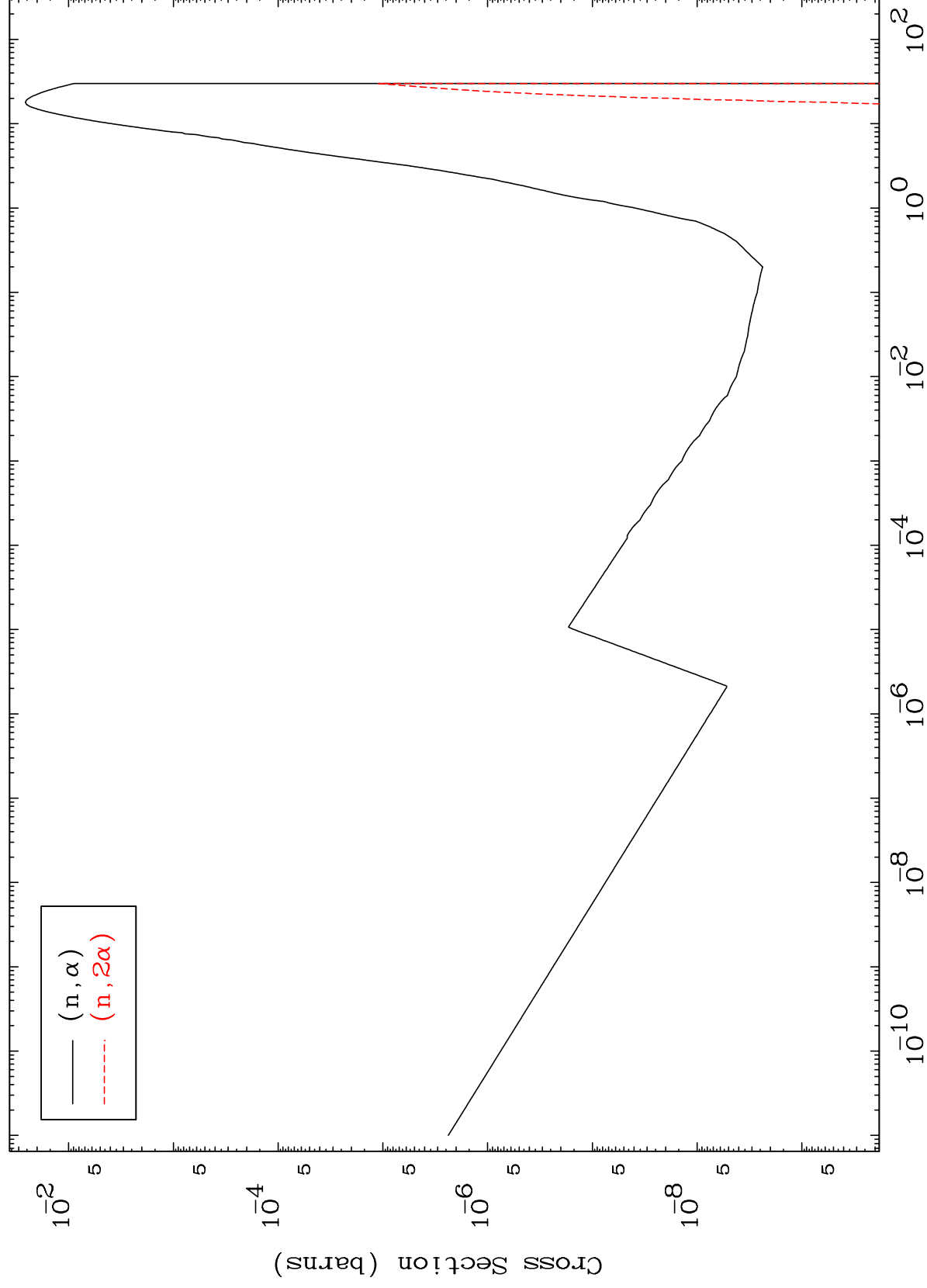
Incident Energy (MeV)

37-Rb-84m

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(n, α) Levels
293 Kelvin Cross Sections

37-Rb-84m



16

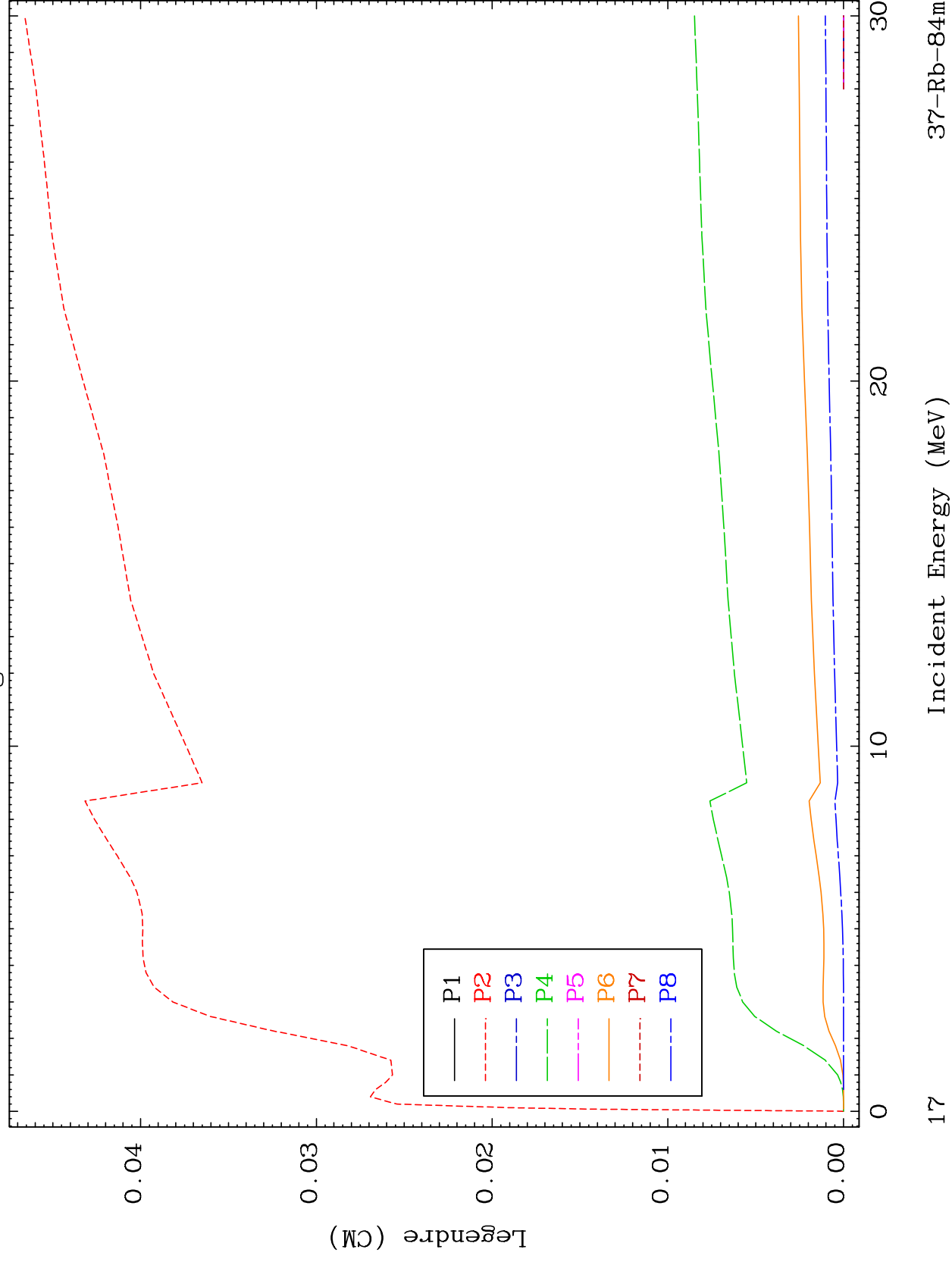
Incident Energy (MeV)

37-Rb-84m

MAT 3723

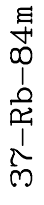
37-Rb-84m

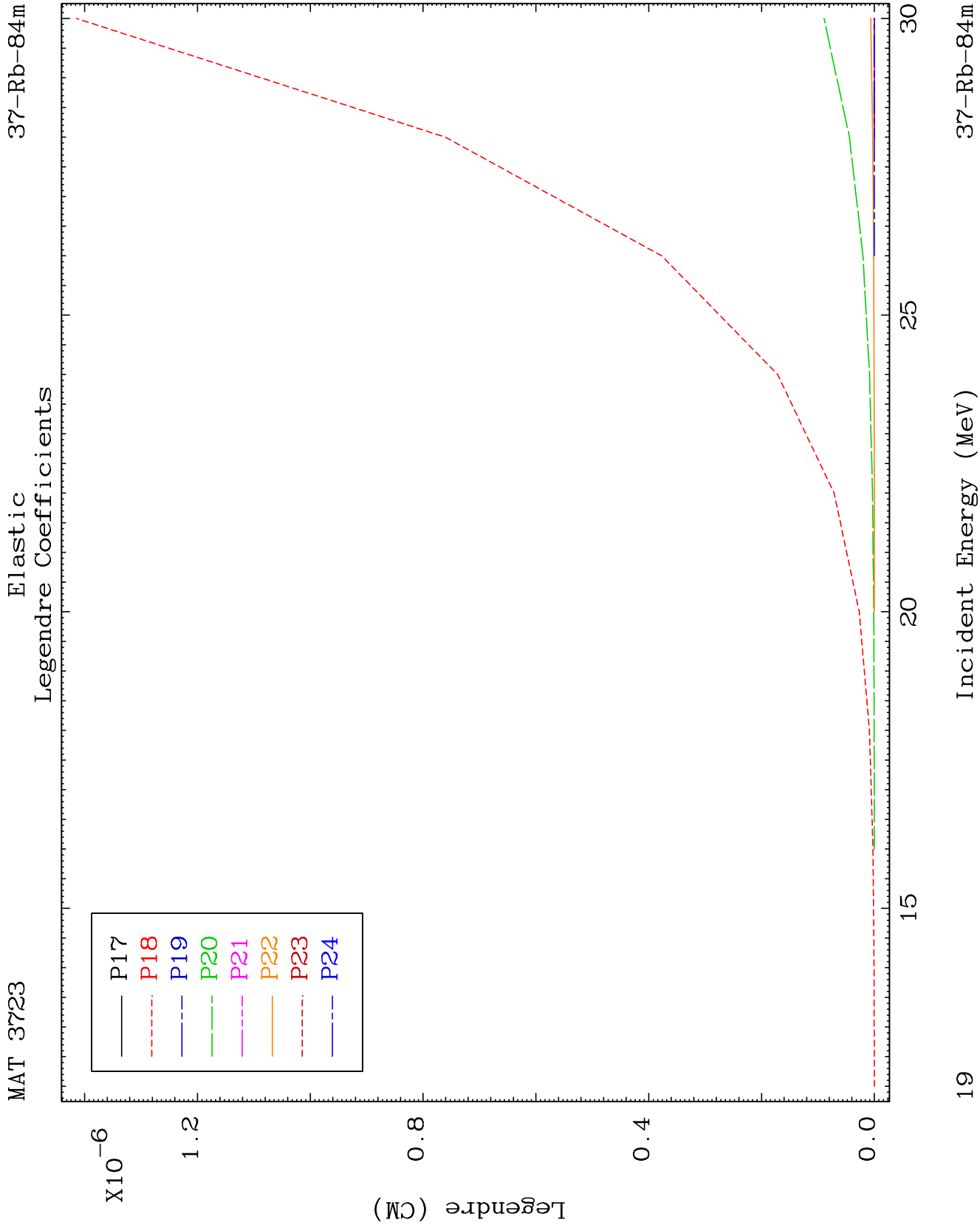
Elastic Legendre Coefficients



37-Rb-84m

re Coeff

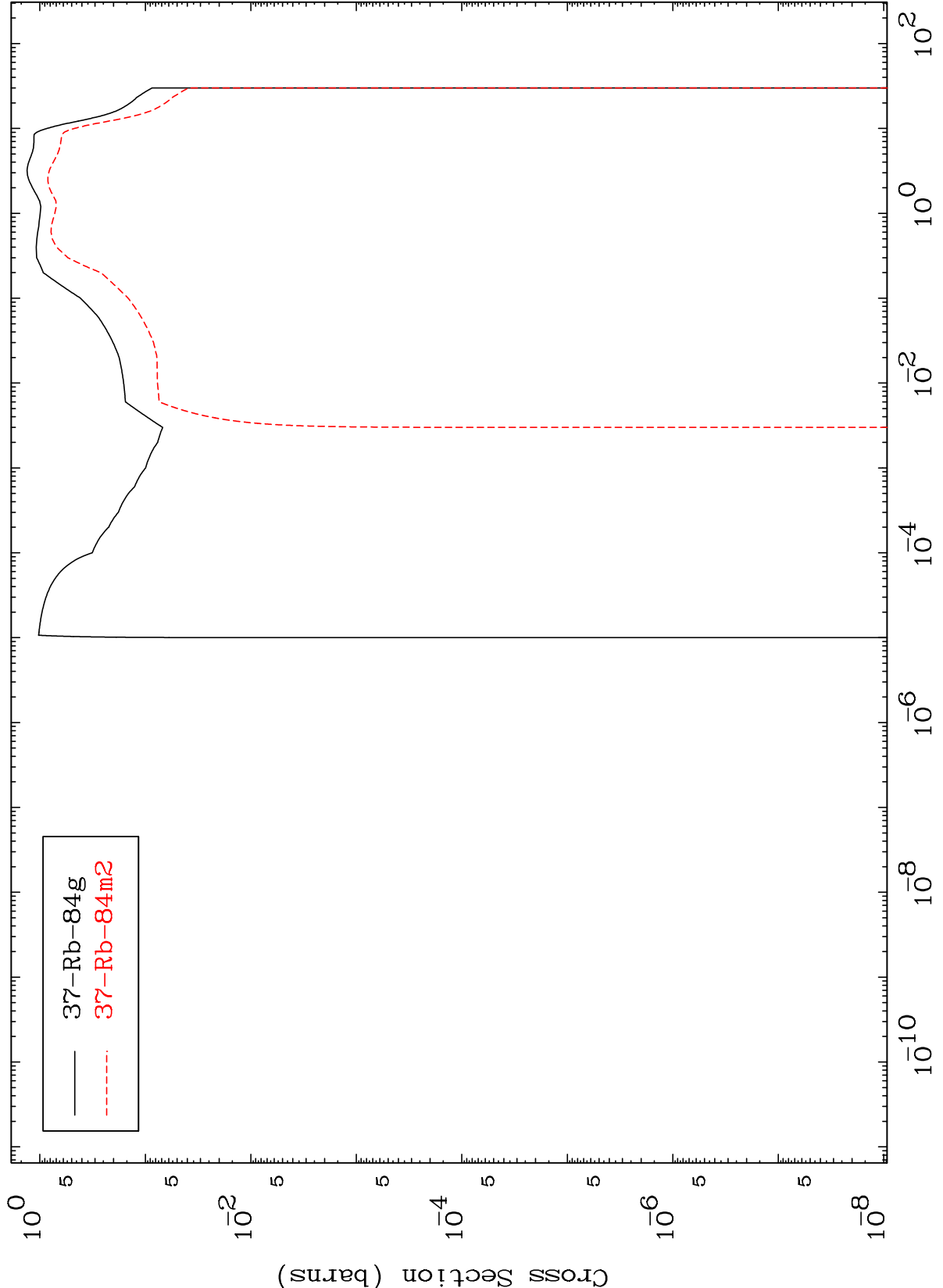




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$^{37}\text{Rb-84m}$

Inelastic
Radionuclide Production Cross Section



20

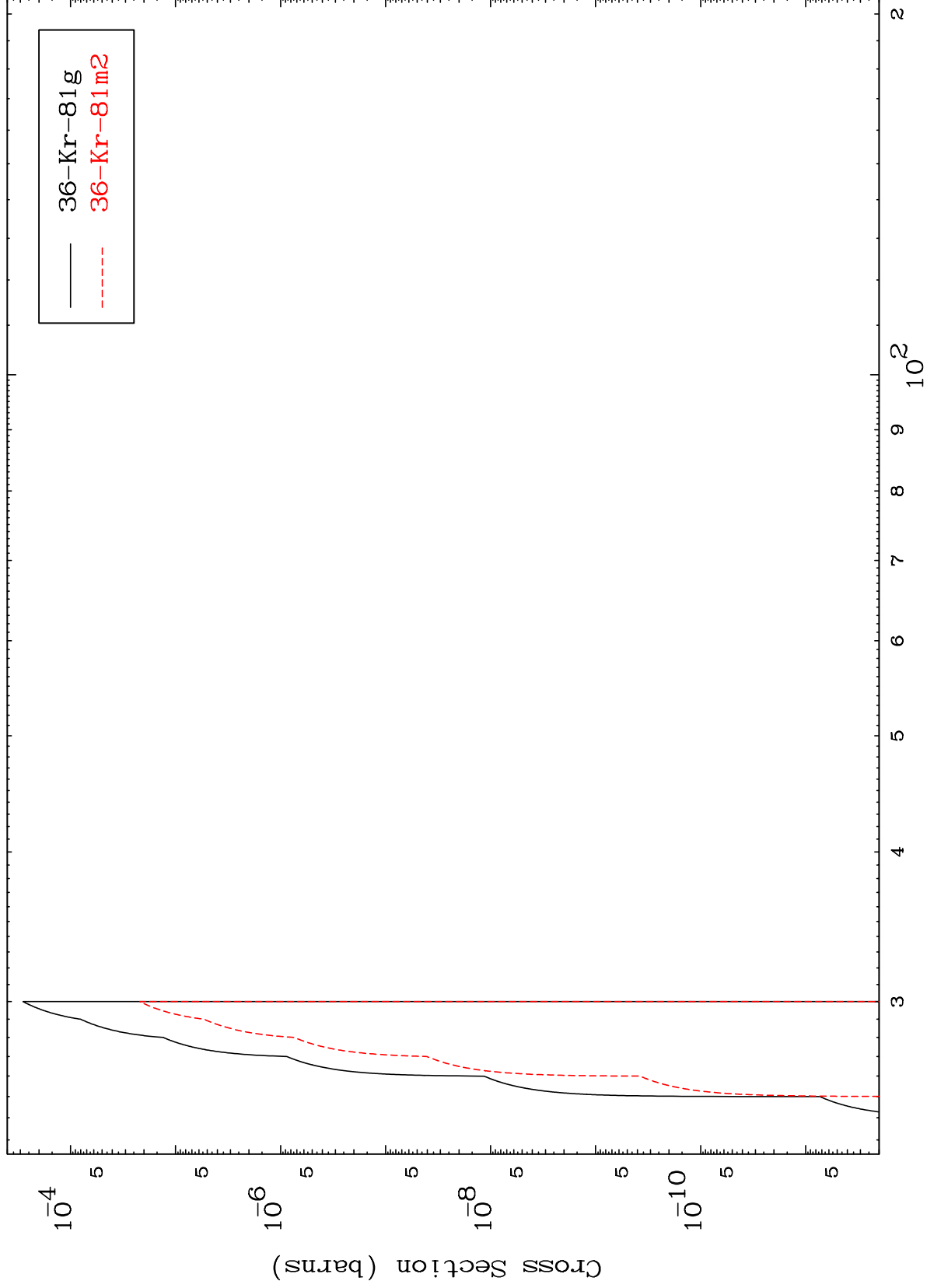
Incident Energy (MeV)

$^{37}\text{Rb-84m}$

MAT 3723

37-Rb-84m

(n,2n) d
Radionuclide Production Cross Section



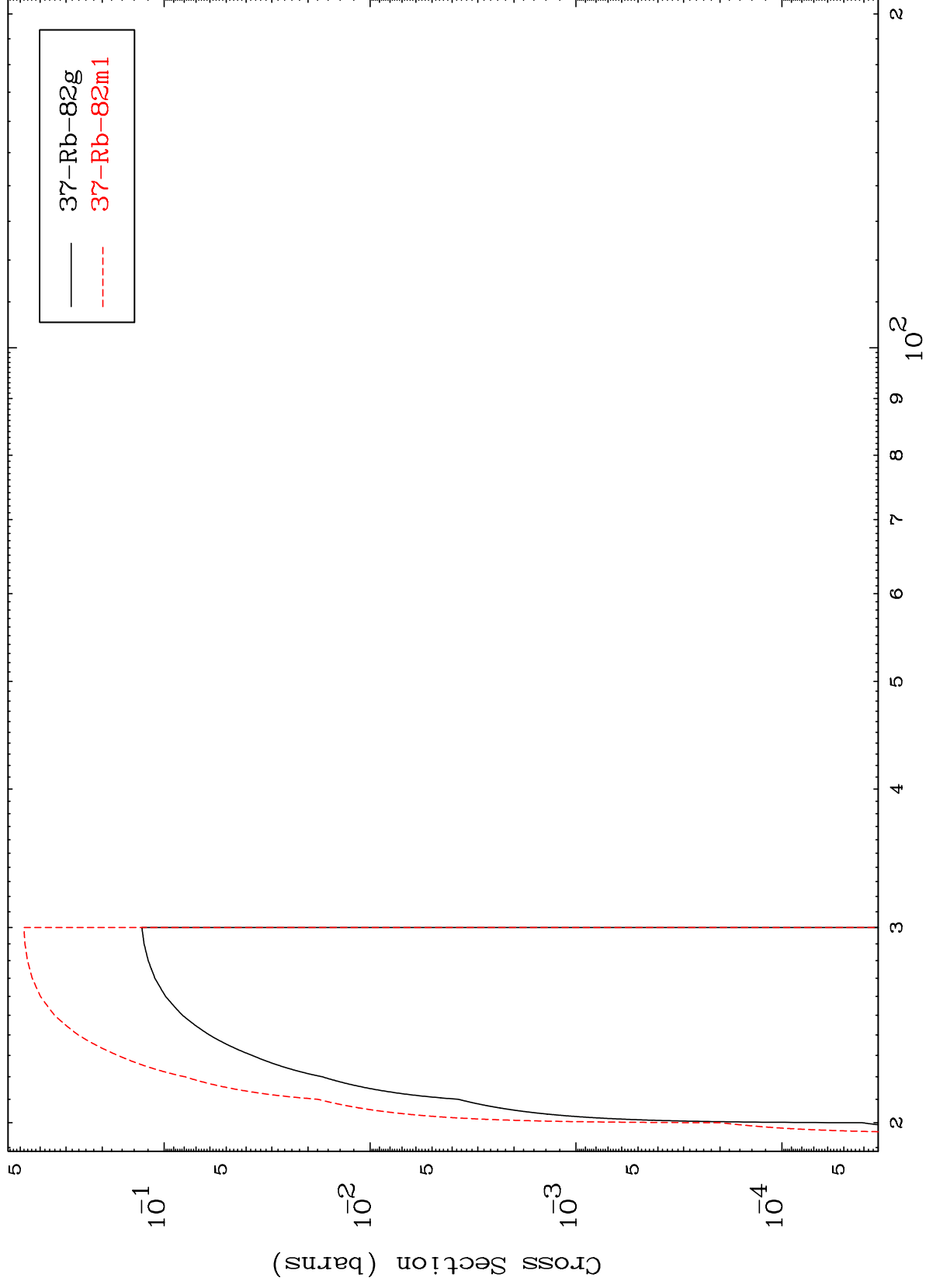
21

37-Rb-84m

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37-Rb-84m

(n,3n)
Radionuclide Production Cross Section



37-Rb-84m

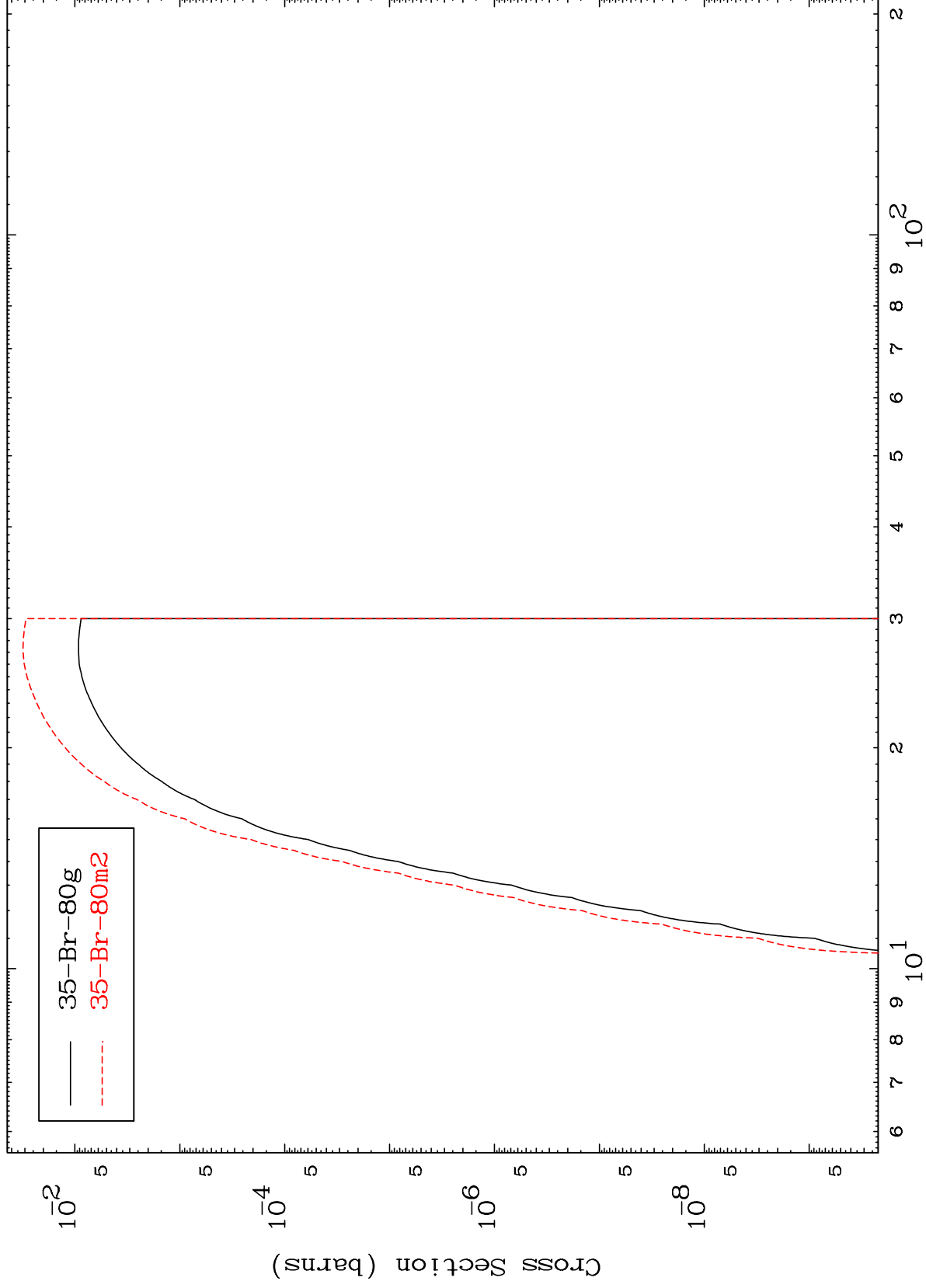
Incident Energy (MeV)

22

MAT 3723

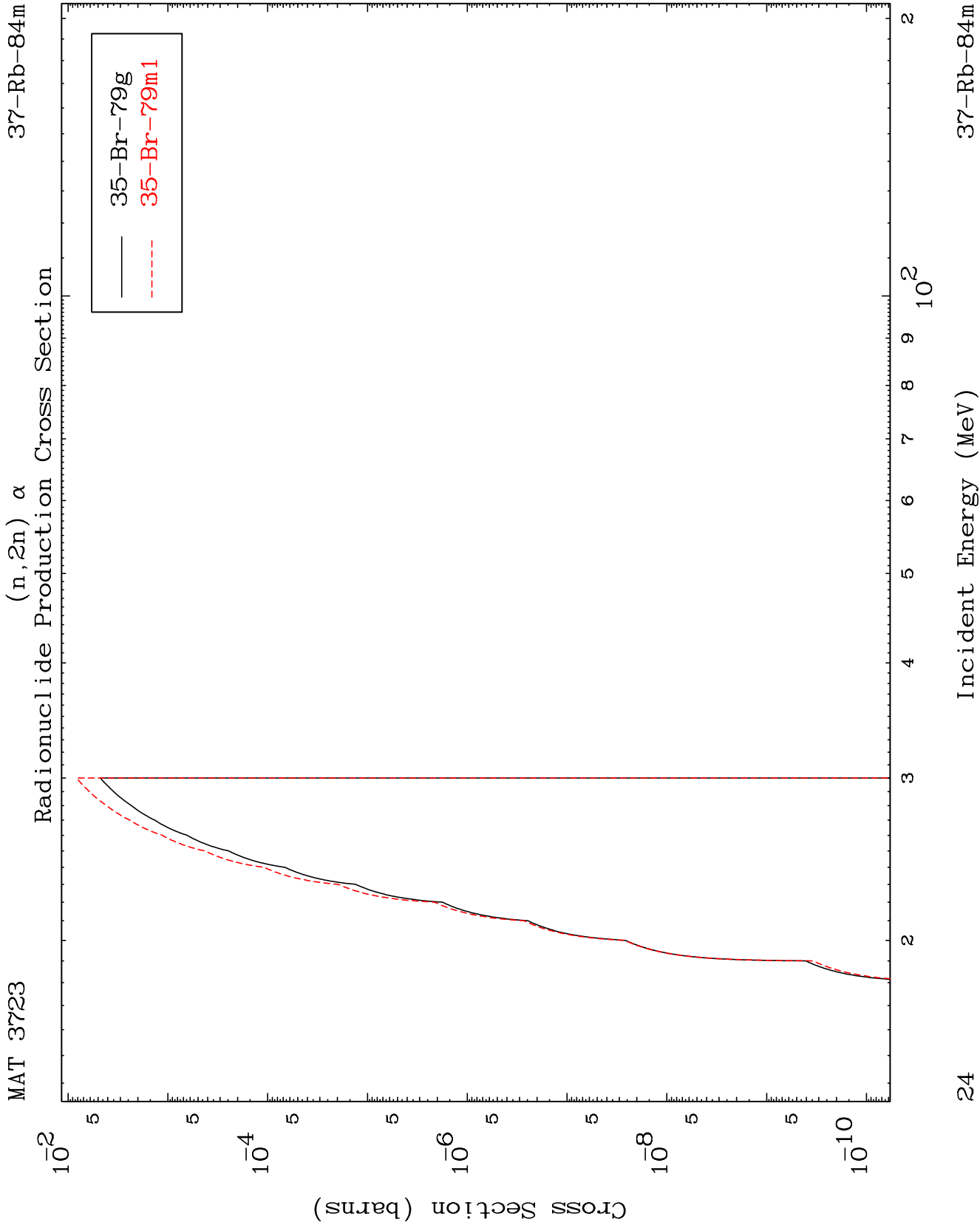
$^{37}\text{Rb-84m}$

$(n,n') \alpha$
Radionuclide Production Cross Section

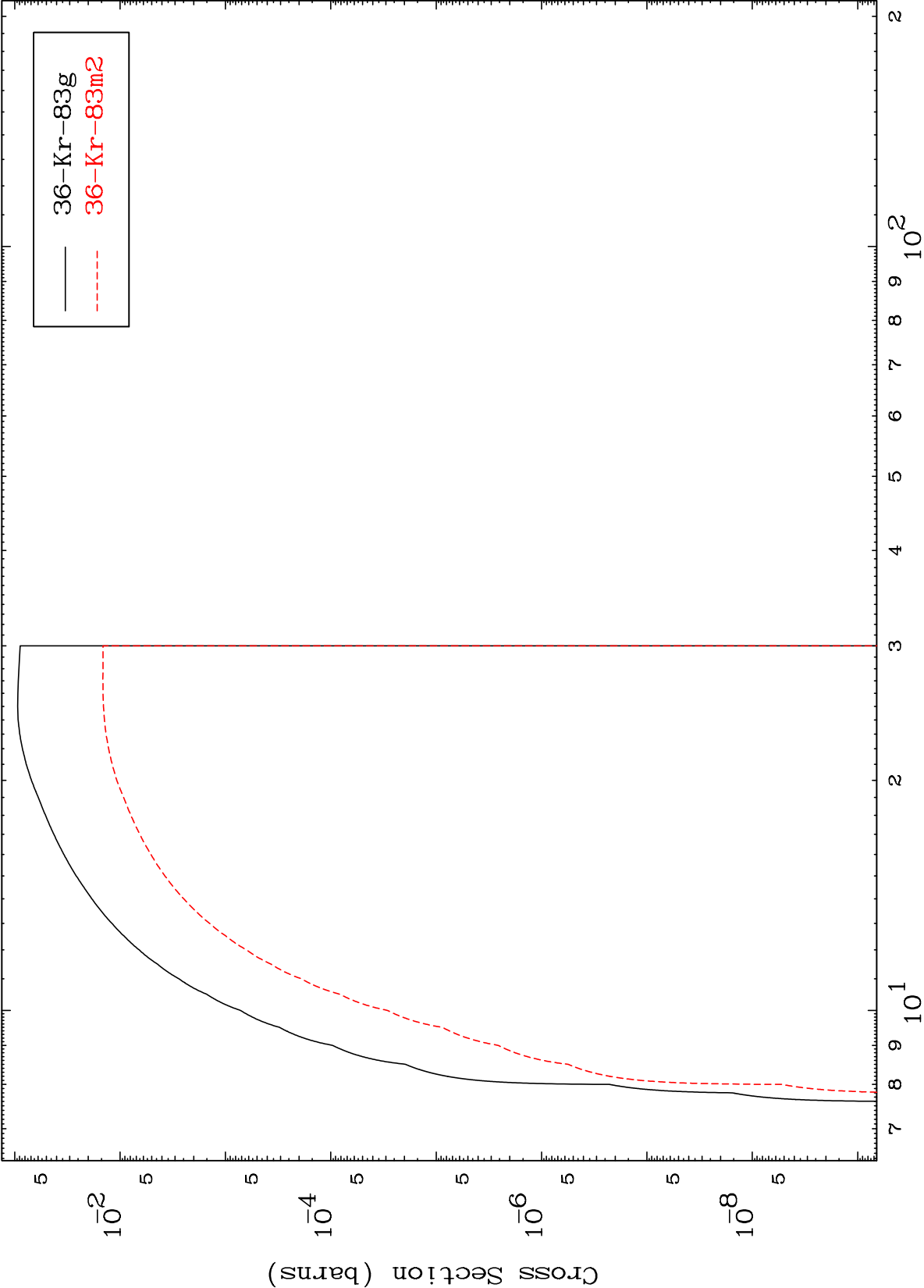


23

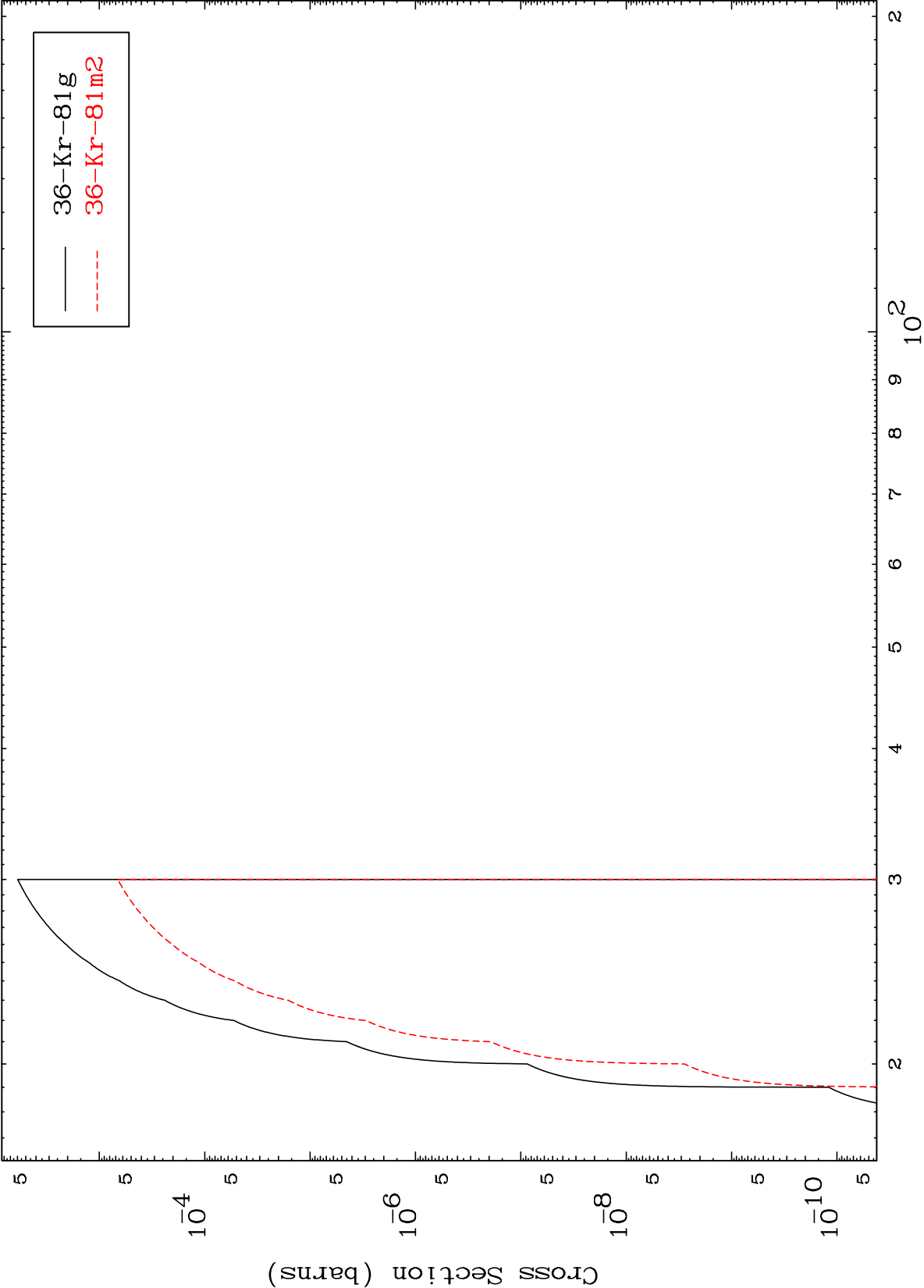
$^{37}\text{Rb-84m}$



(n,n') p
Radionuclide Production Cross Section



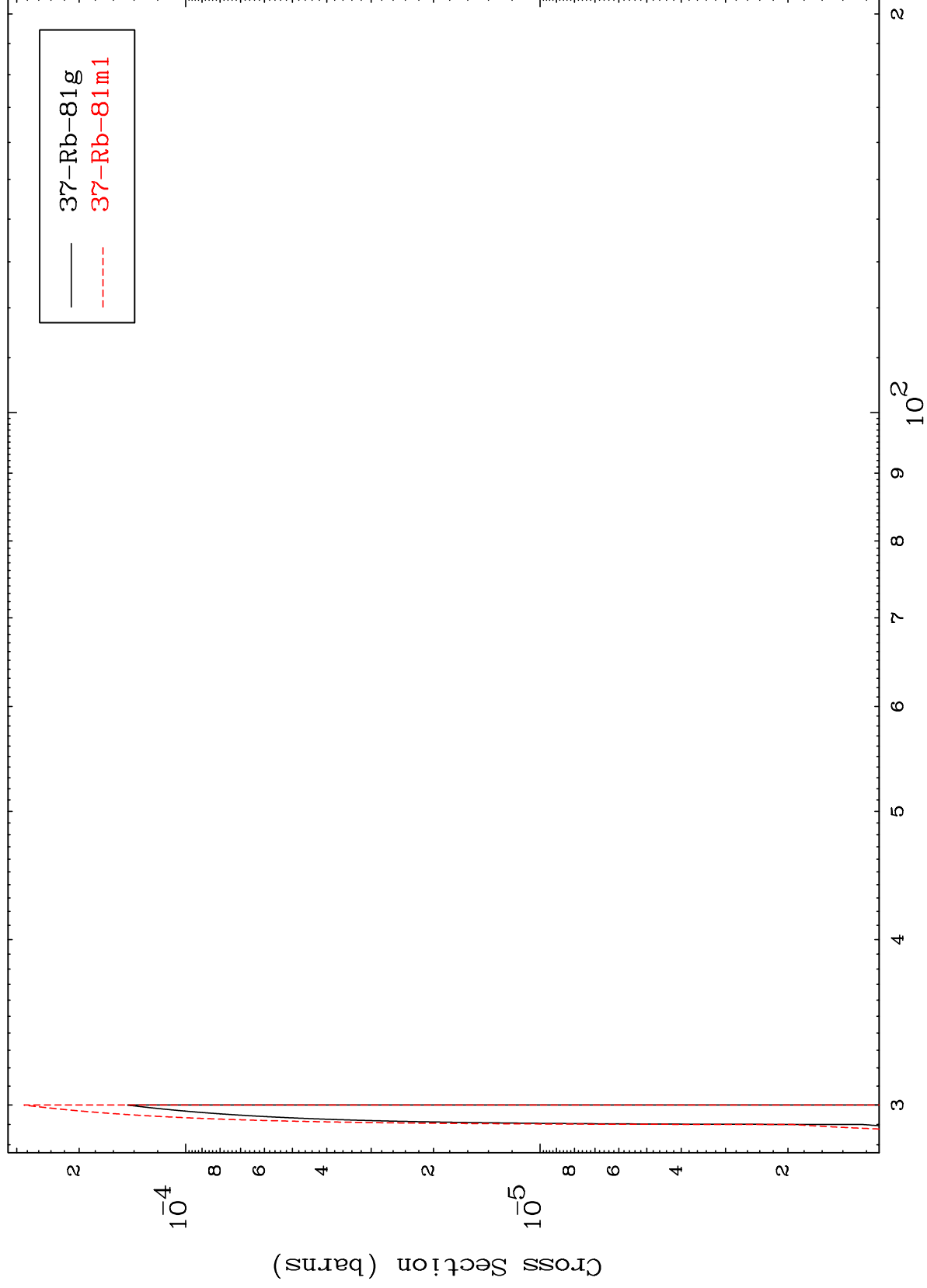
Radionuclide Production Cross Section



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37-Rb-84m

(n,4n)
Radionuclide Production Cross Section

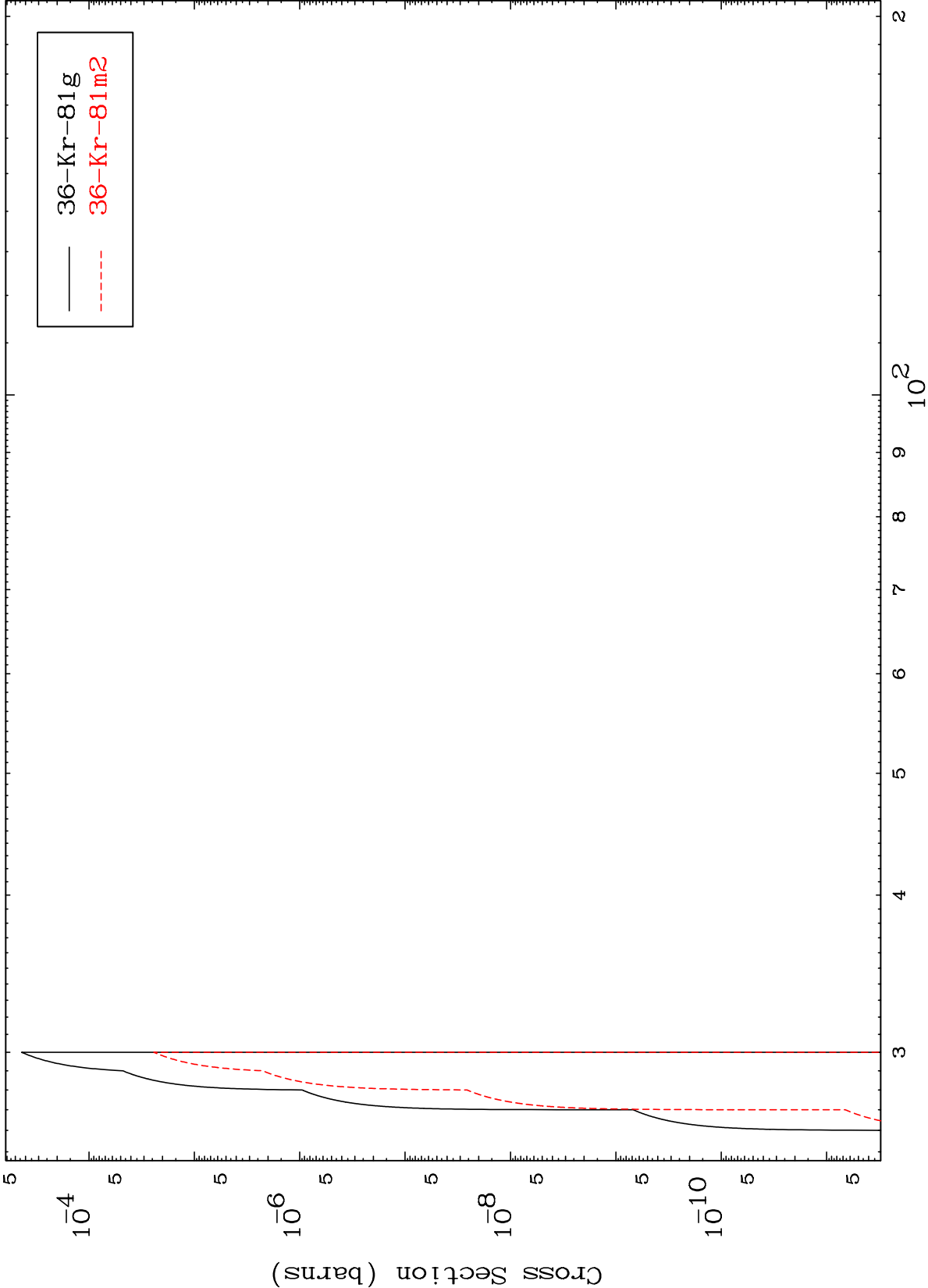


37-Rb-84m

Incident Energy (MeV)

27

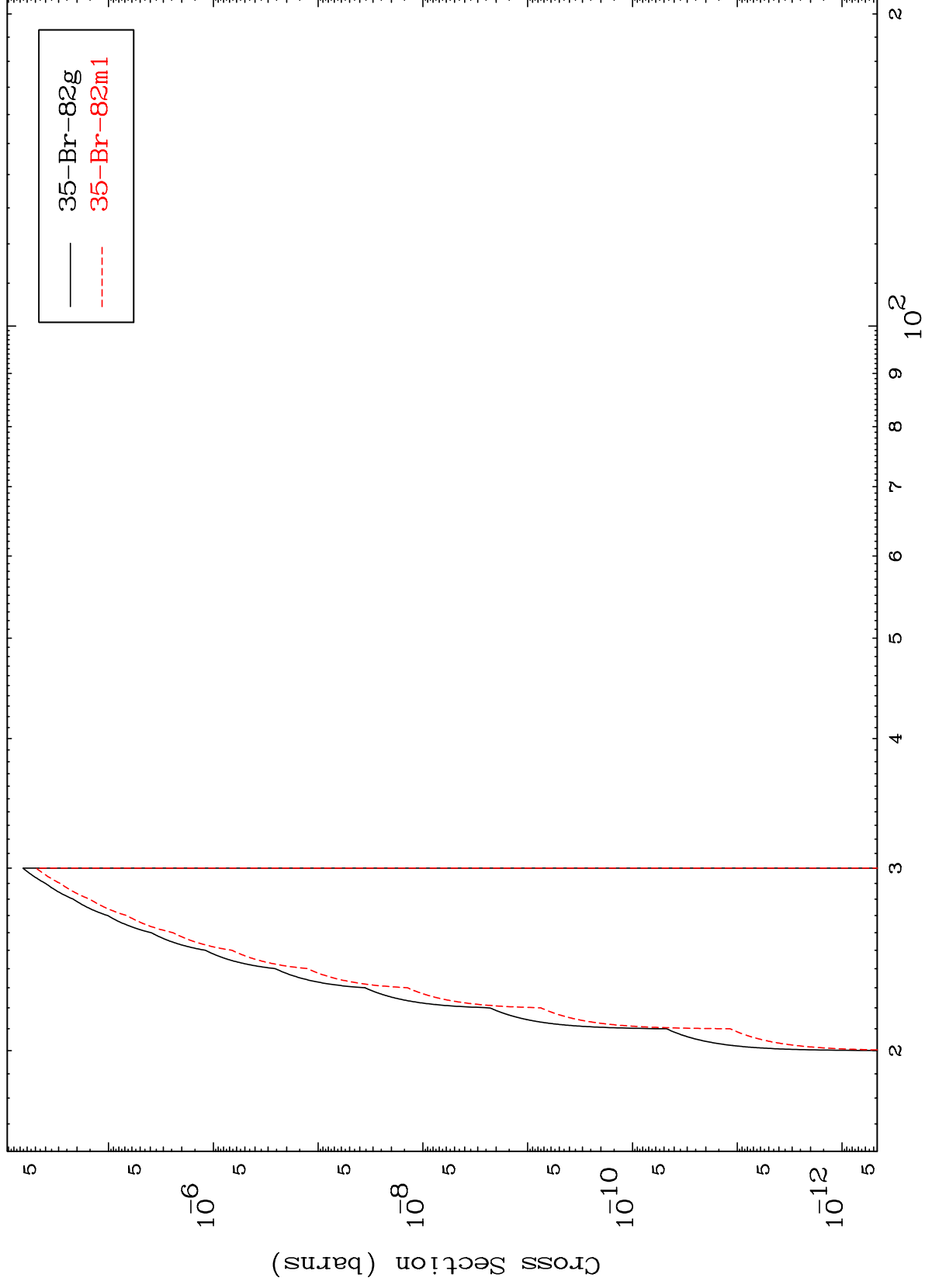
(n,3n) p
Radionuclide Production Cross Section



MAT 3723

37-Rb-84m

(n,2n) p
Radionuclide Production Cross Section



29

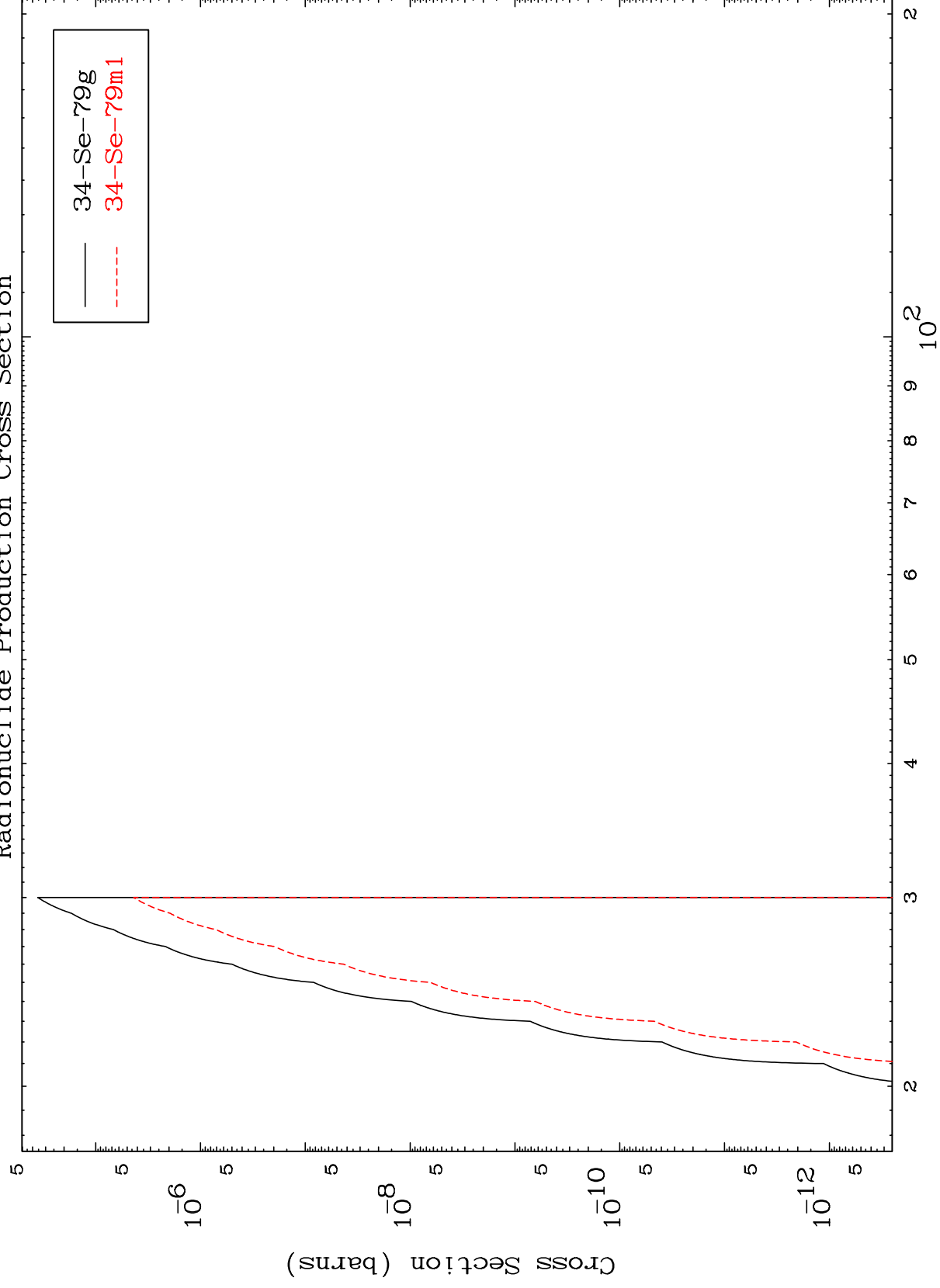
Incident Energy (MeV)

37-Rb-84m

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37-Rb-84m

(n,n') p α
Radionuclide Production Cross Section

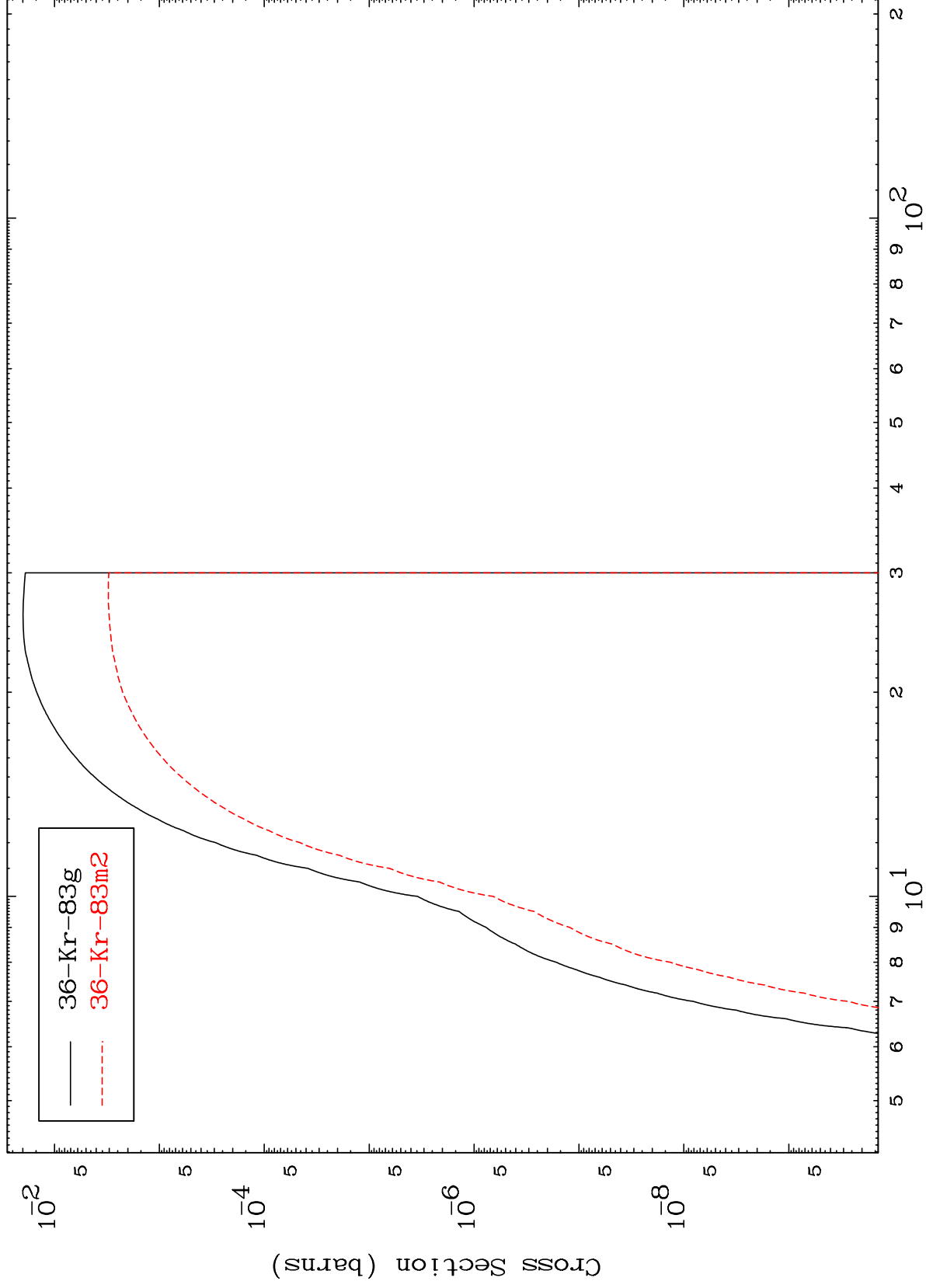


37-Rb-84m

Incident Energy (MeV)

30

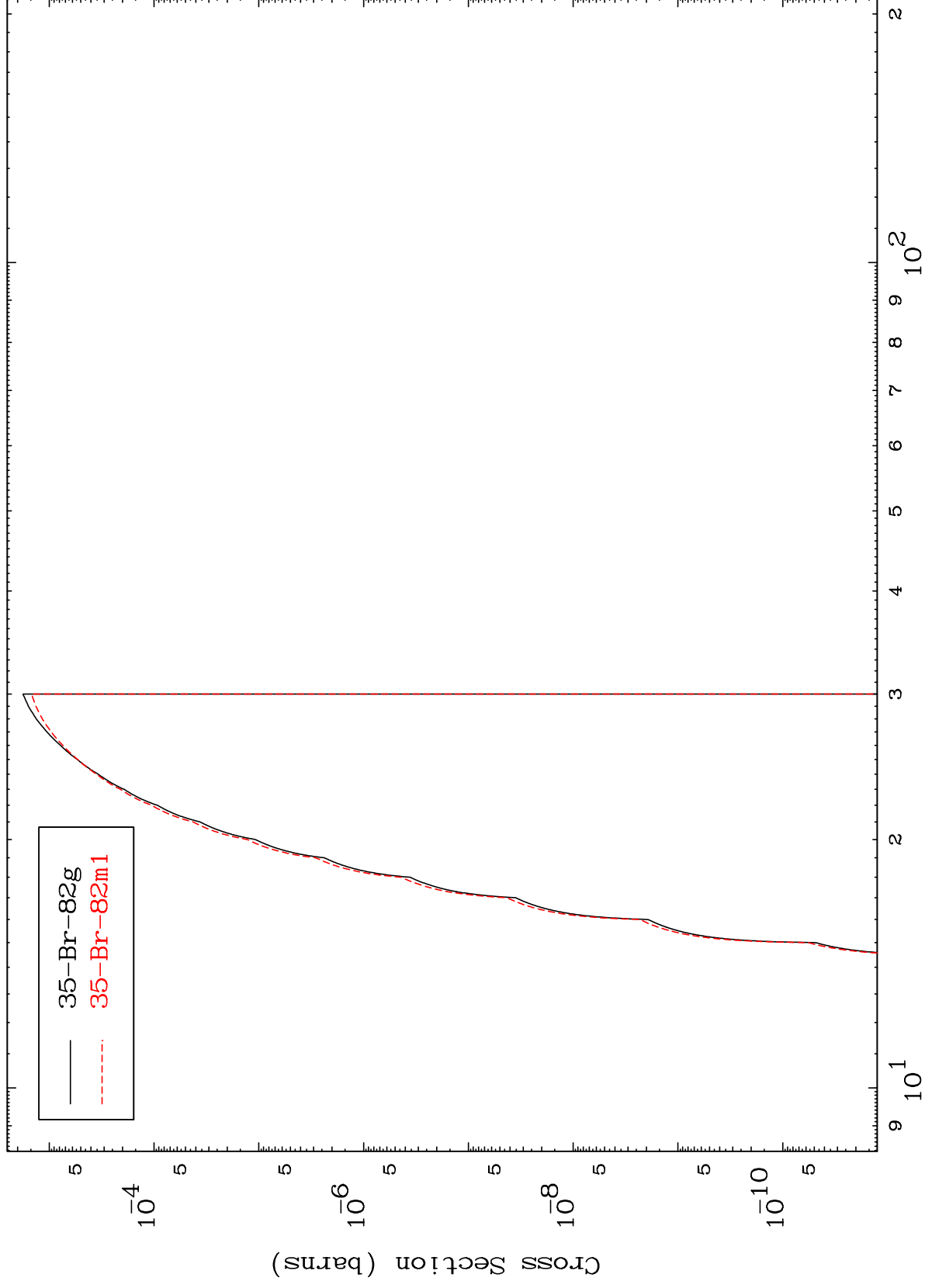
Radionuclide Production Cross Section (n,d)



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$^{37}\text{Rb-84m}$

Radionuclide Production Cross Section



32

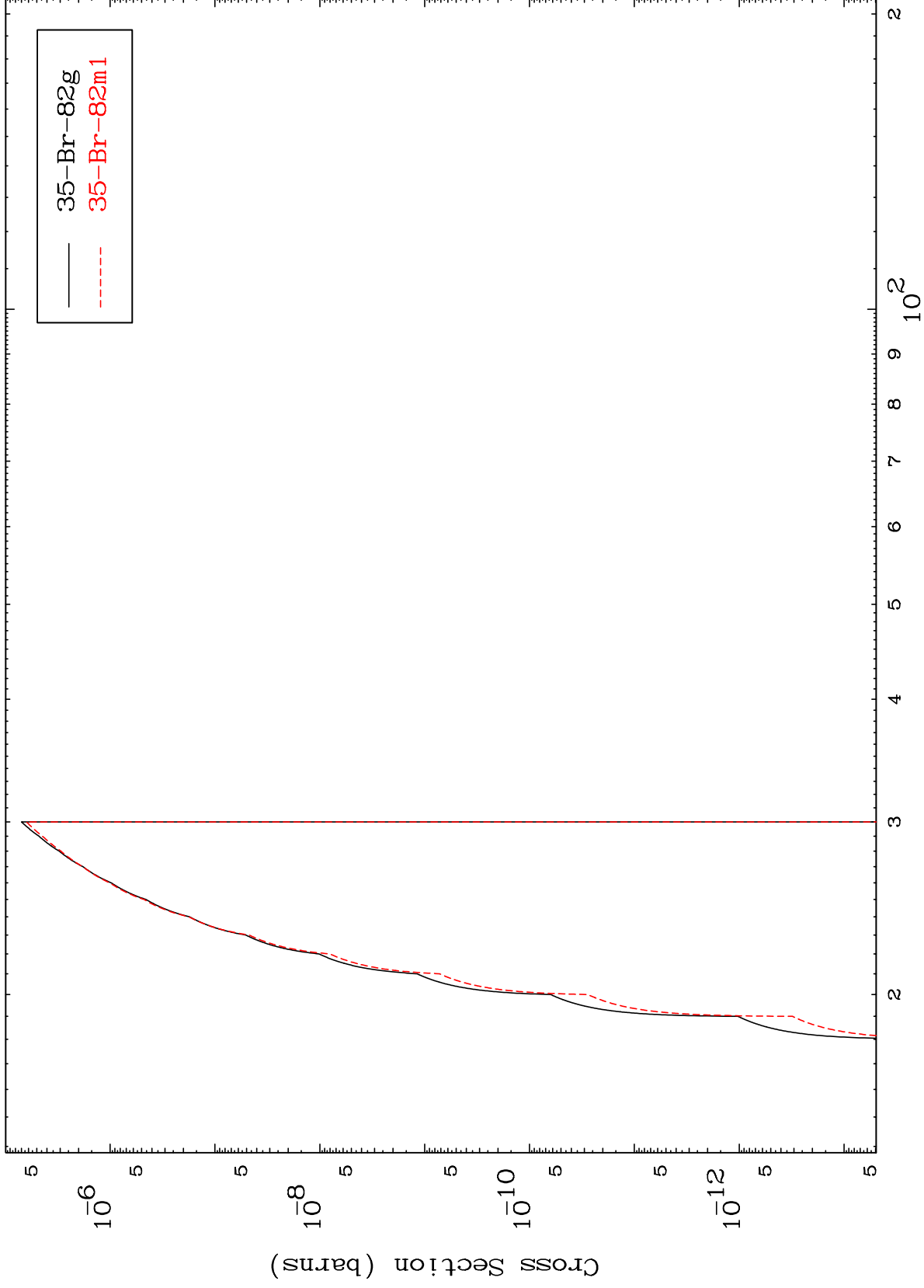
Incident Energy (MeV)

$^{37}\text{Rb-84m}$

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³⁷Rb-84m

(n,p) d
Radionuclide Production Cross Section



33

Incident Energy (MeV)

³⁷Rb-84m

