

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

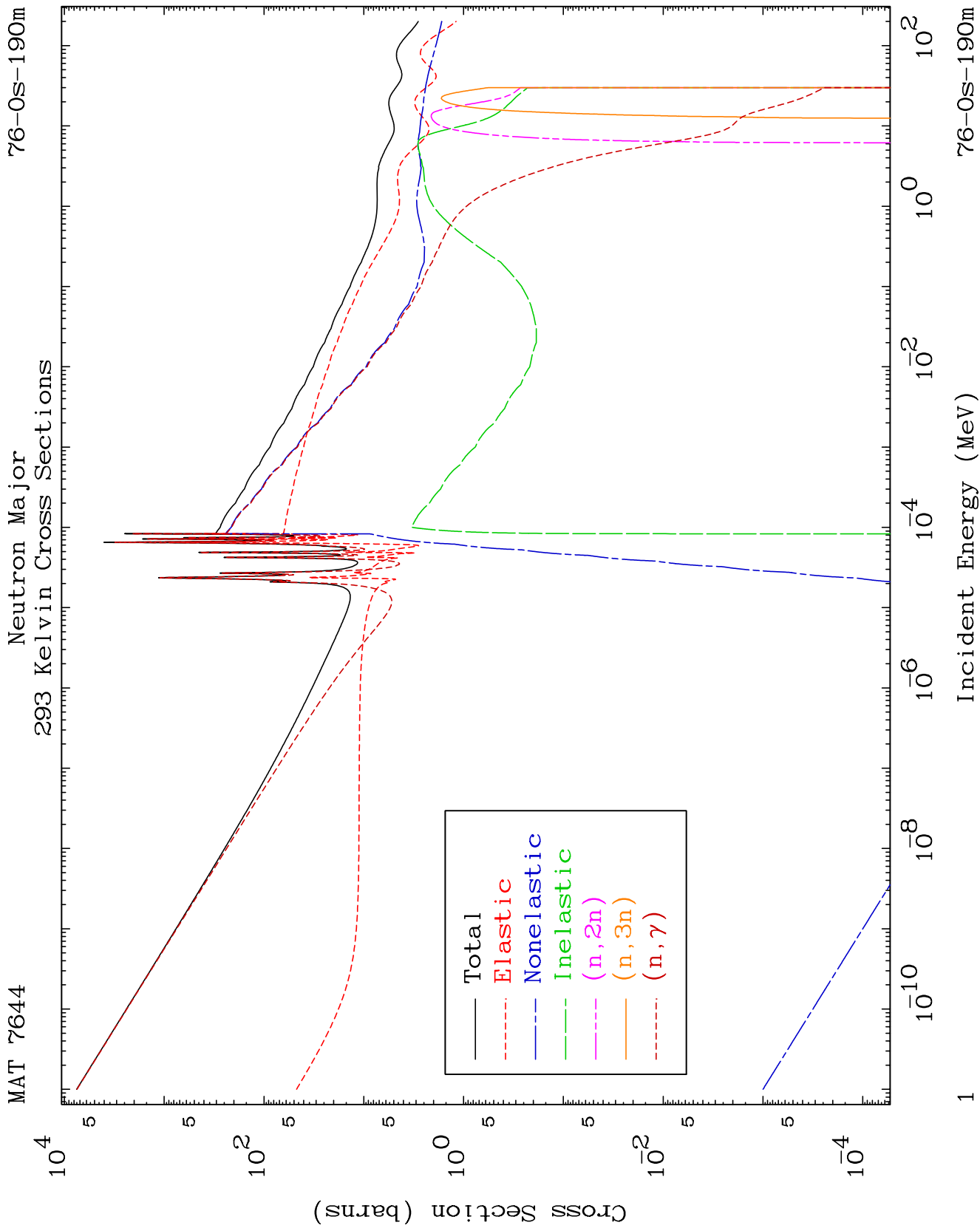
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

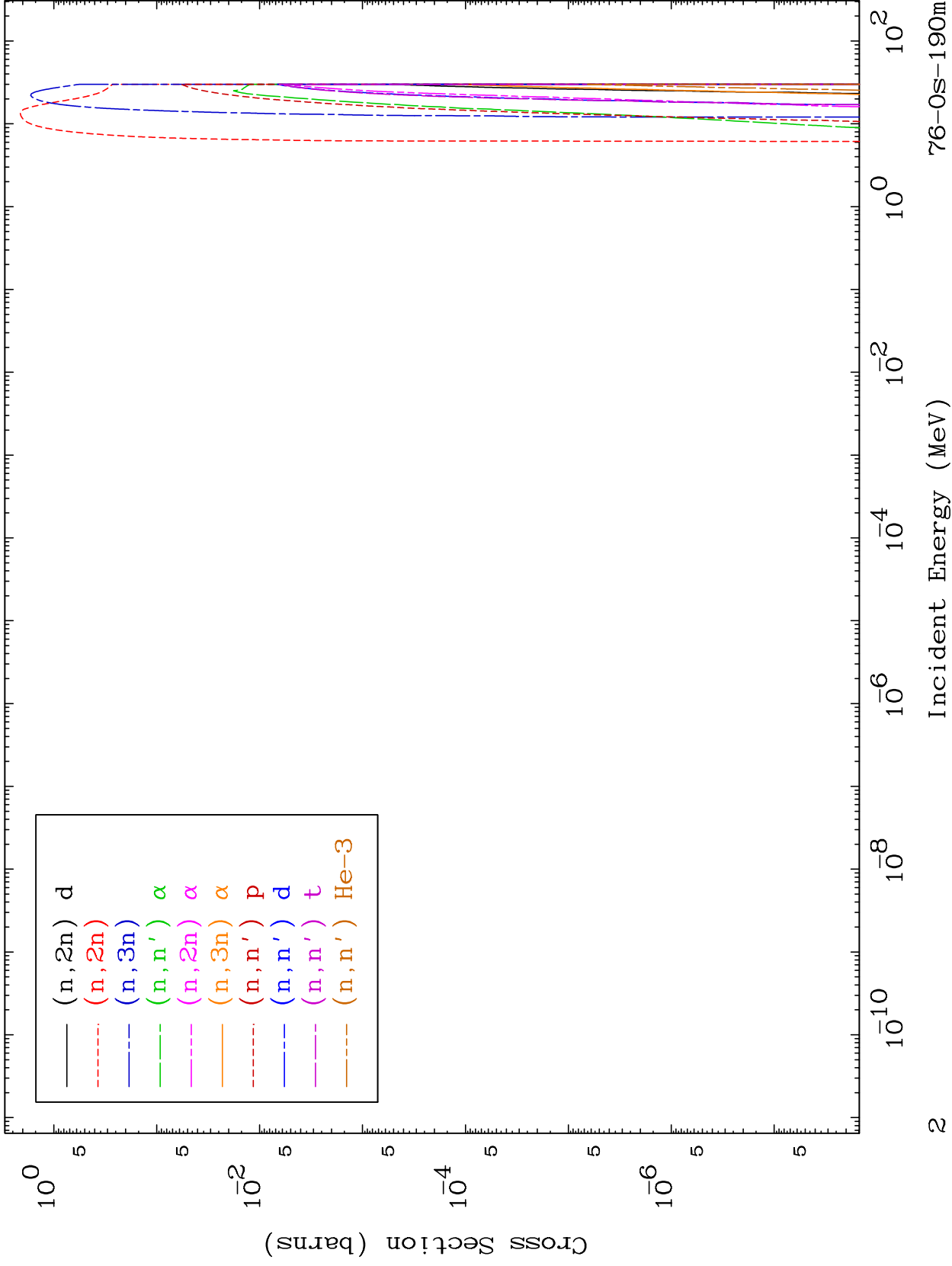
Press Mouse Button to Start

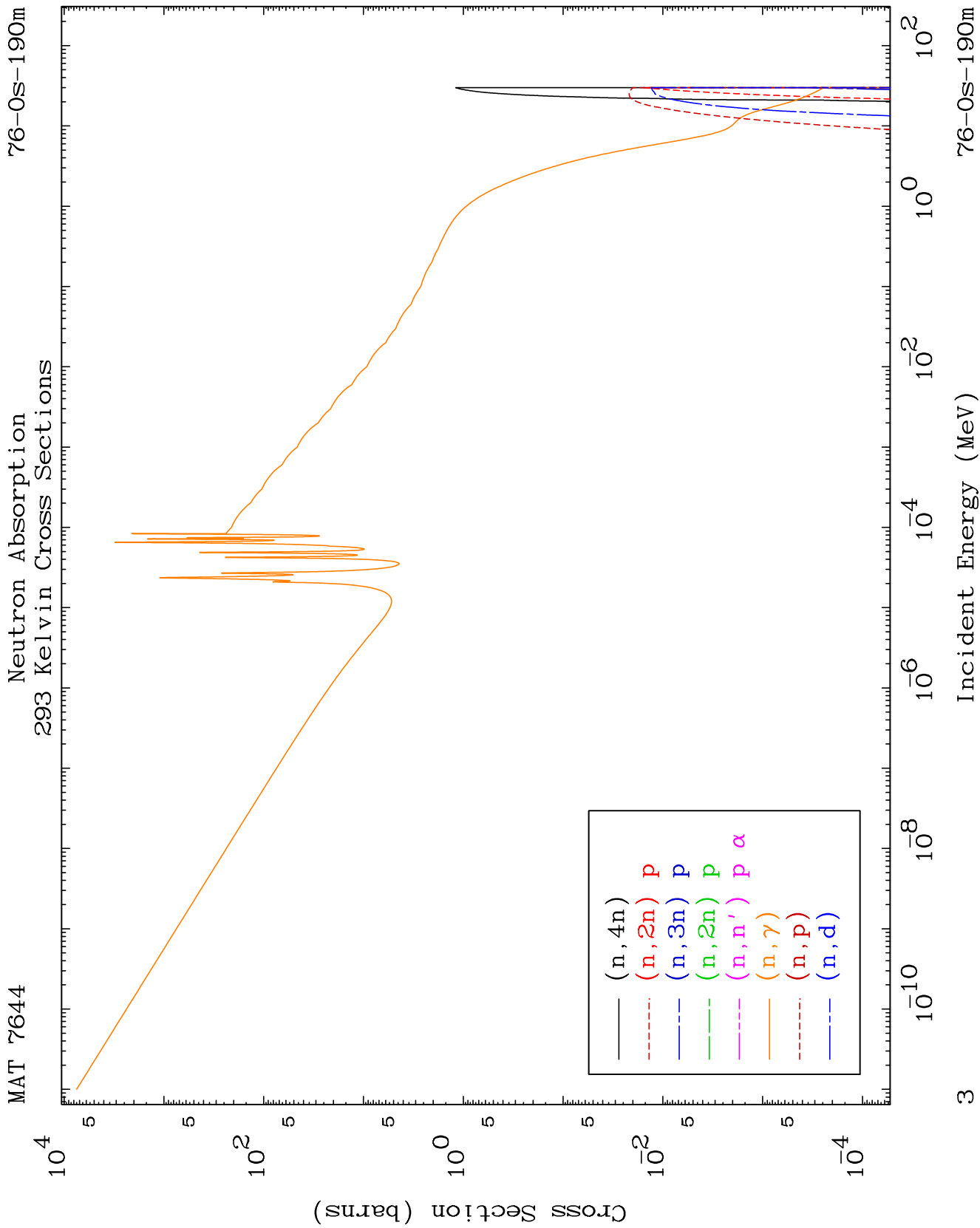


MAT 7644

Neutron Absorption
293 Kelvin Cross Sections

76-Os-190m

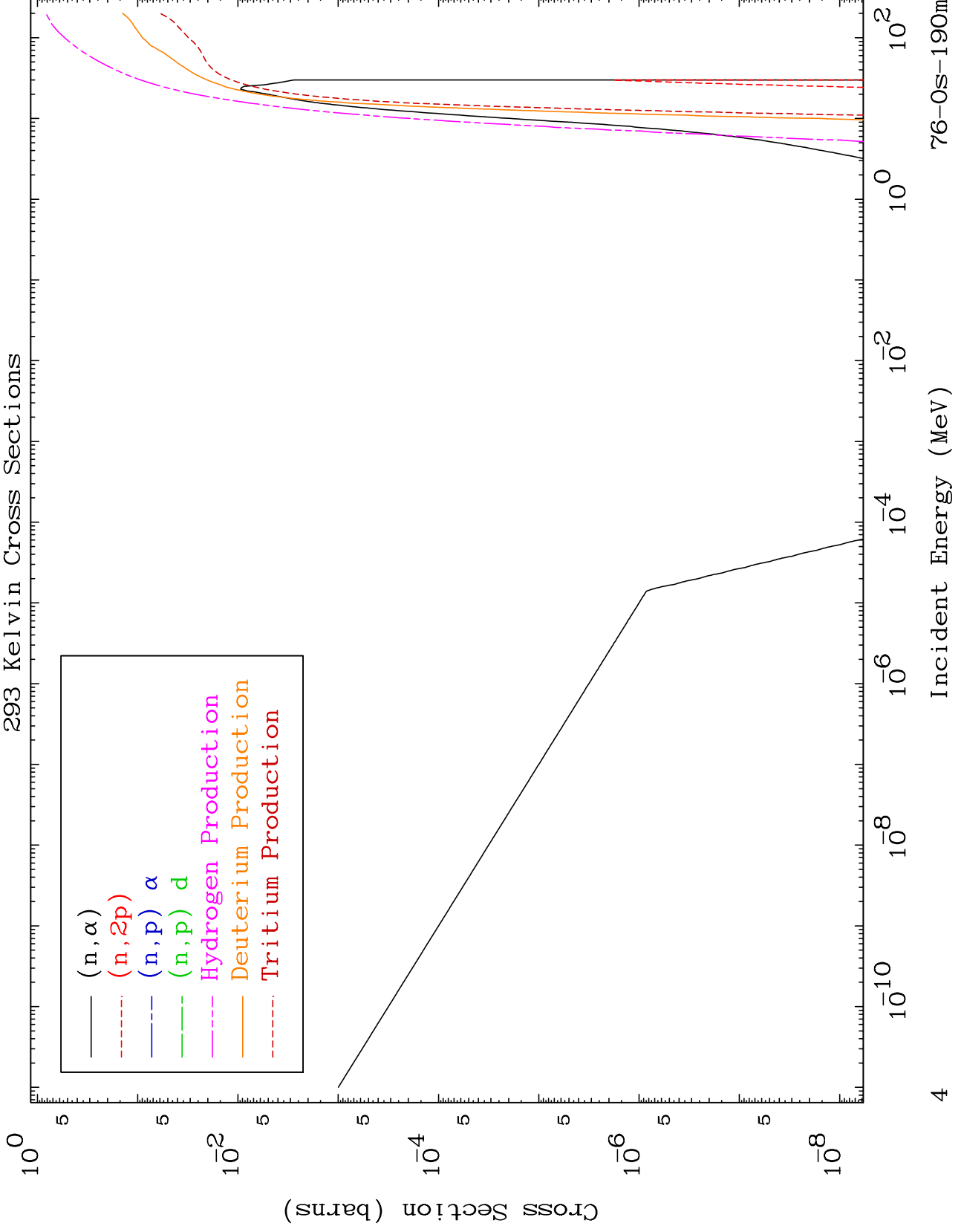




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Neutron Absorption
293 Kelvin Cross Sections

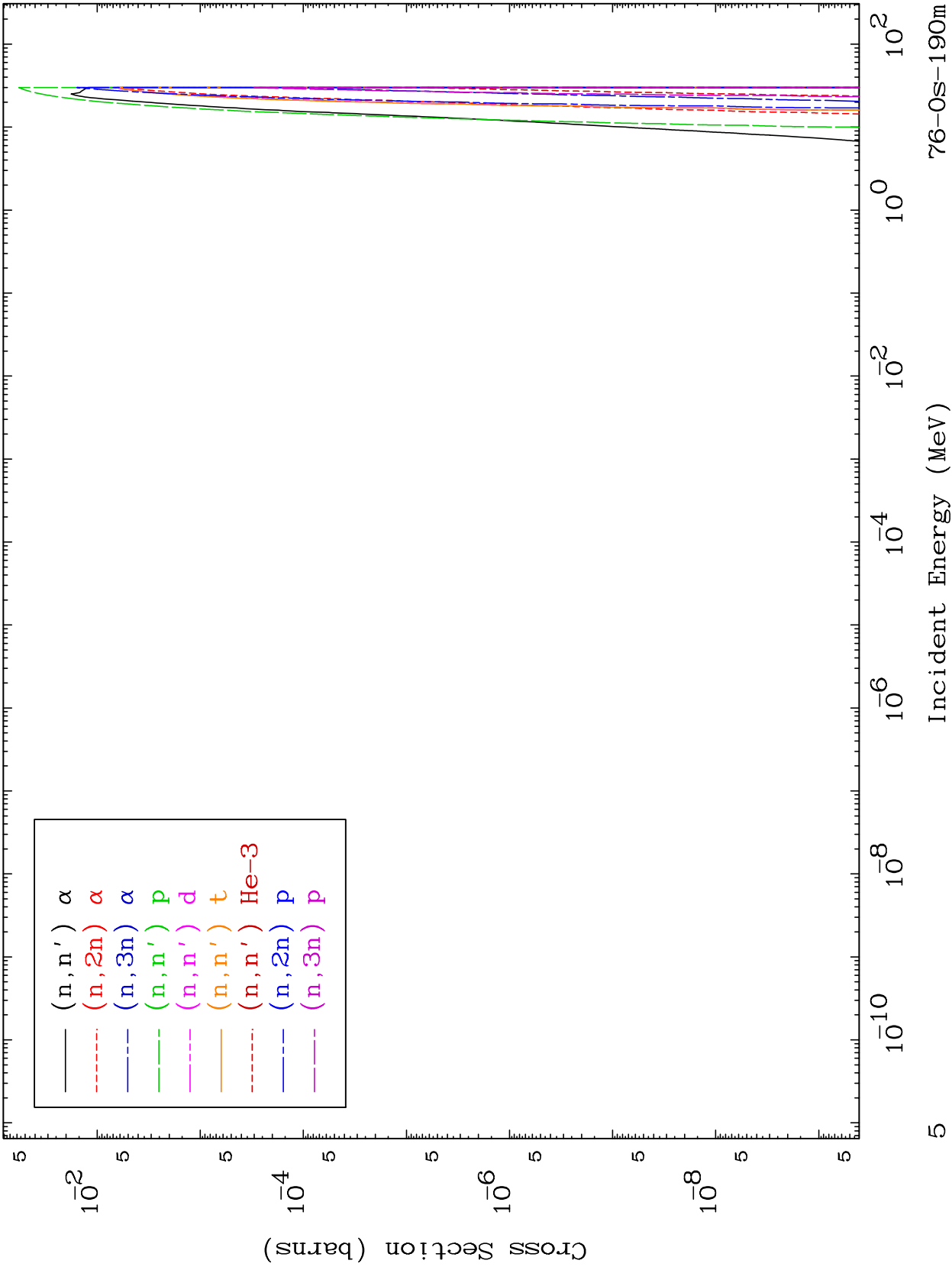
76-0s-190m



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Charged Particle
293 Kelvin Cross Sections

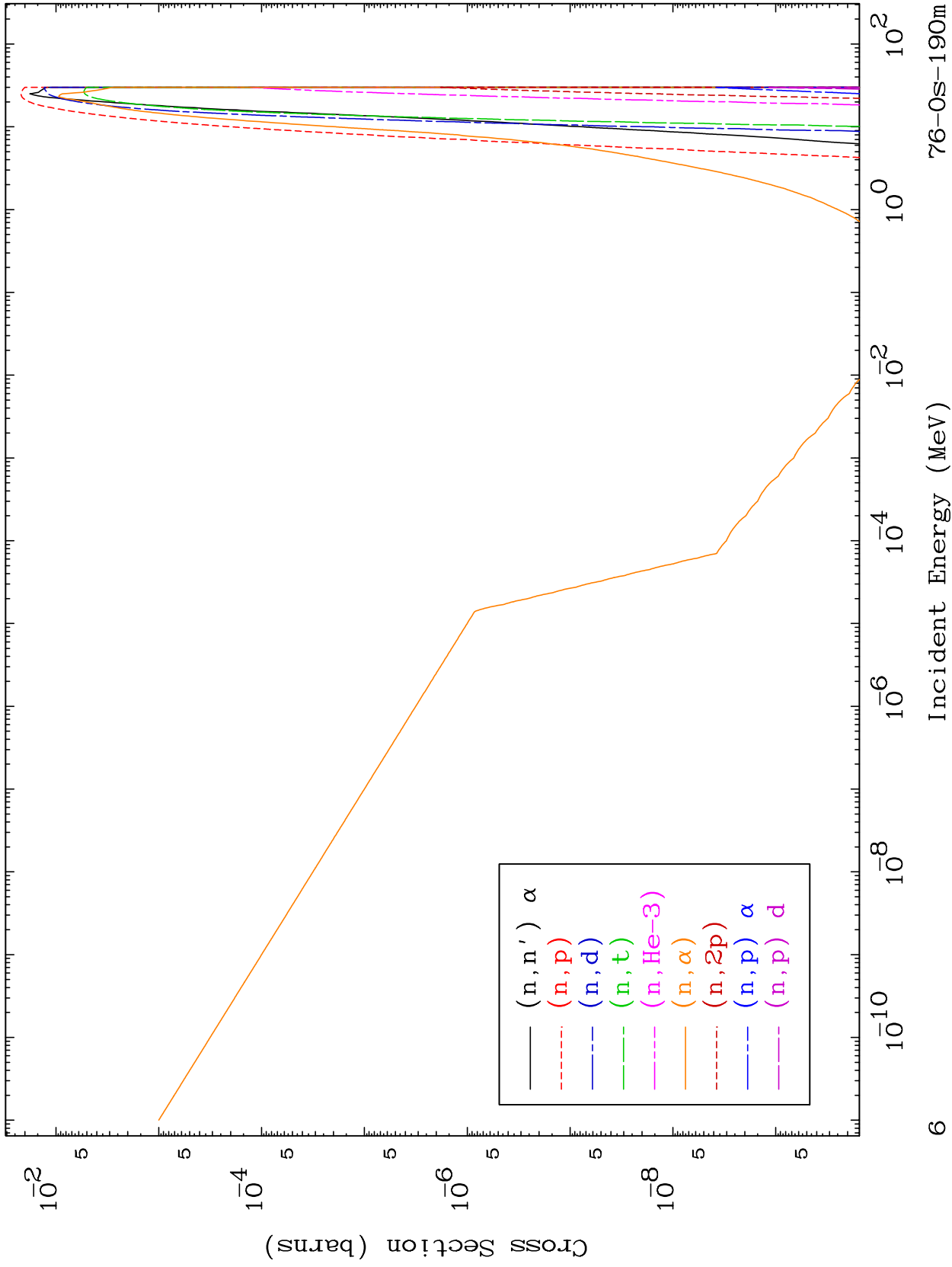
76-Os-190m



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Charged Particle
293 Kelvin Cross Sections

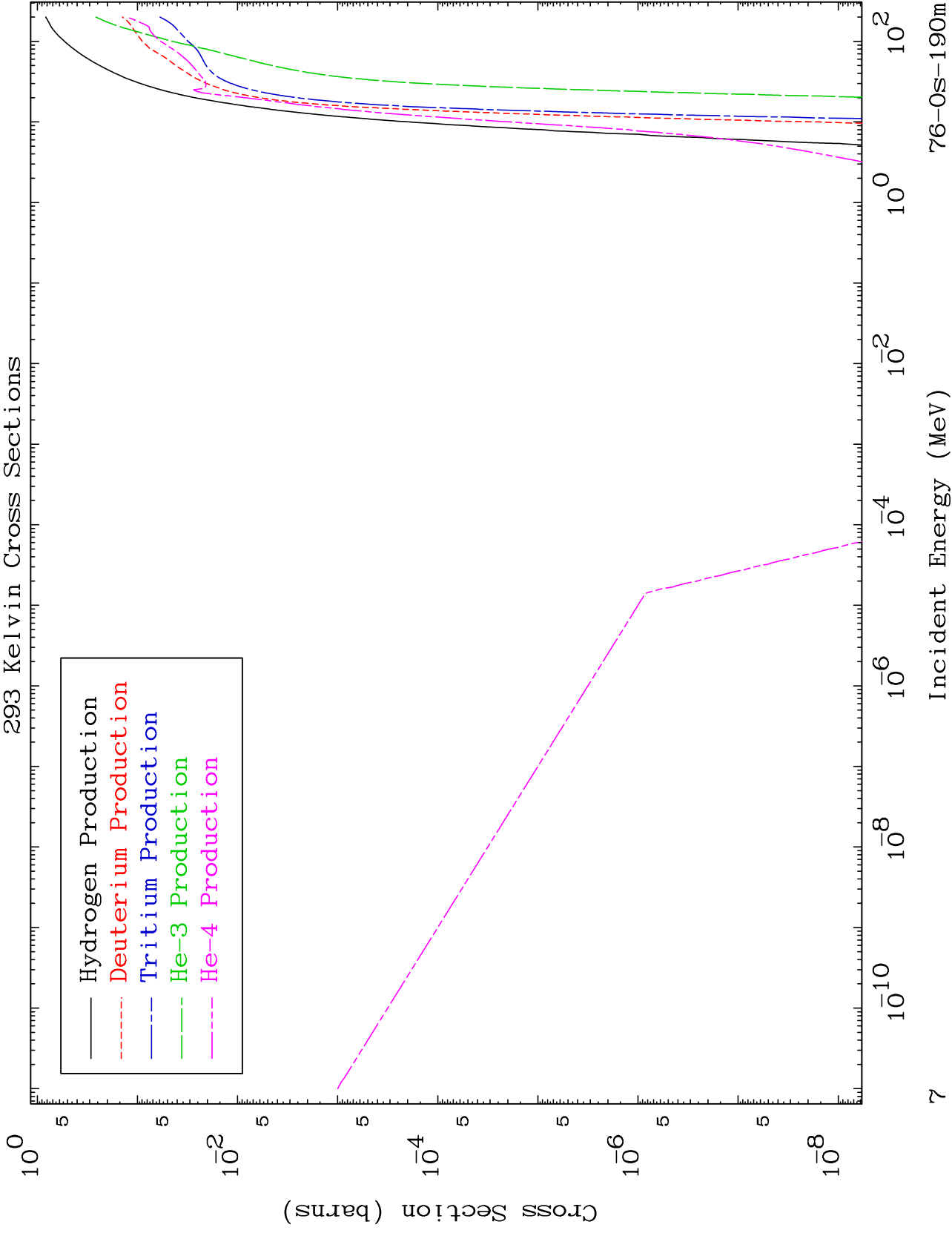
76-Os-190m

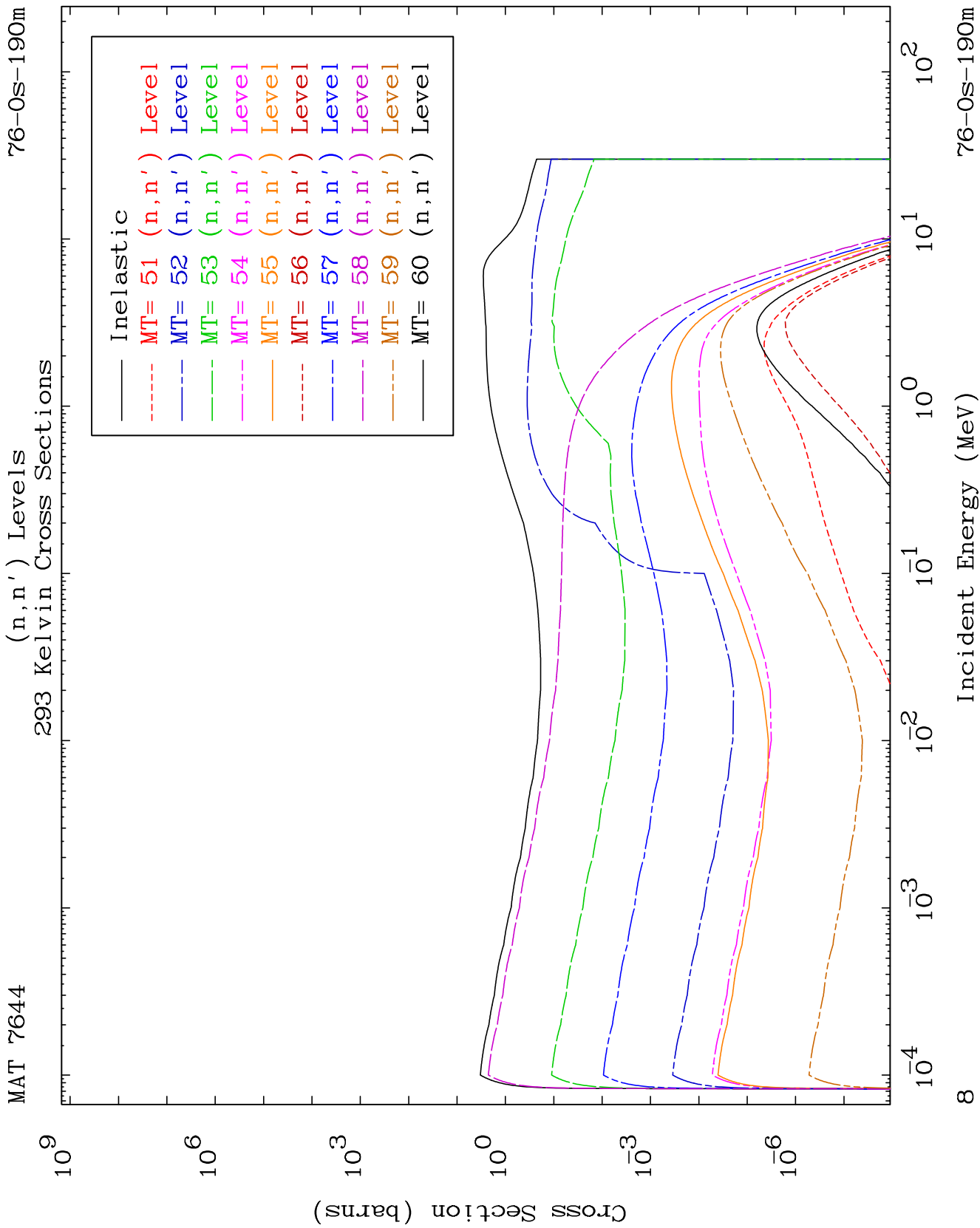


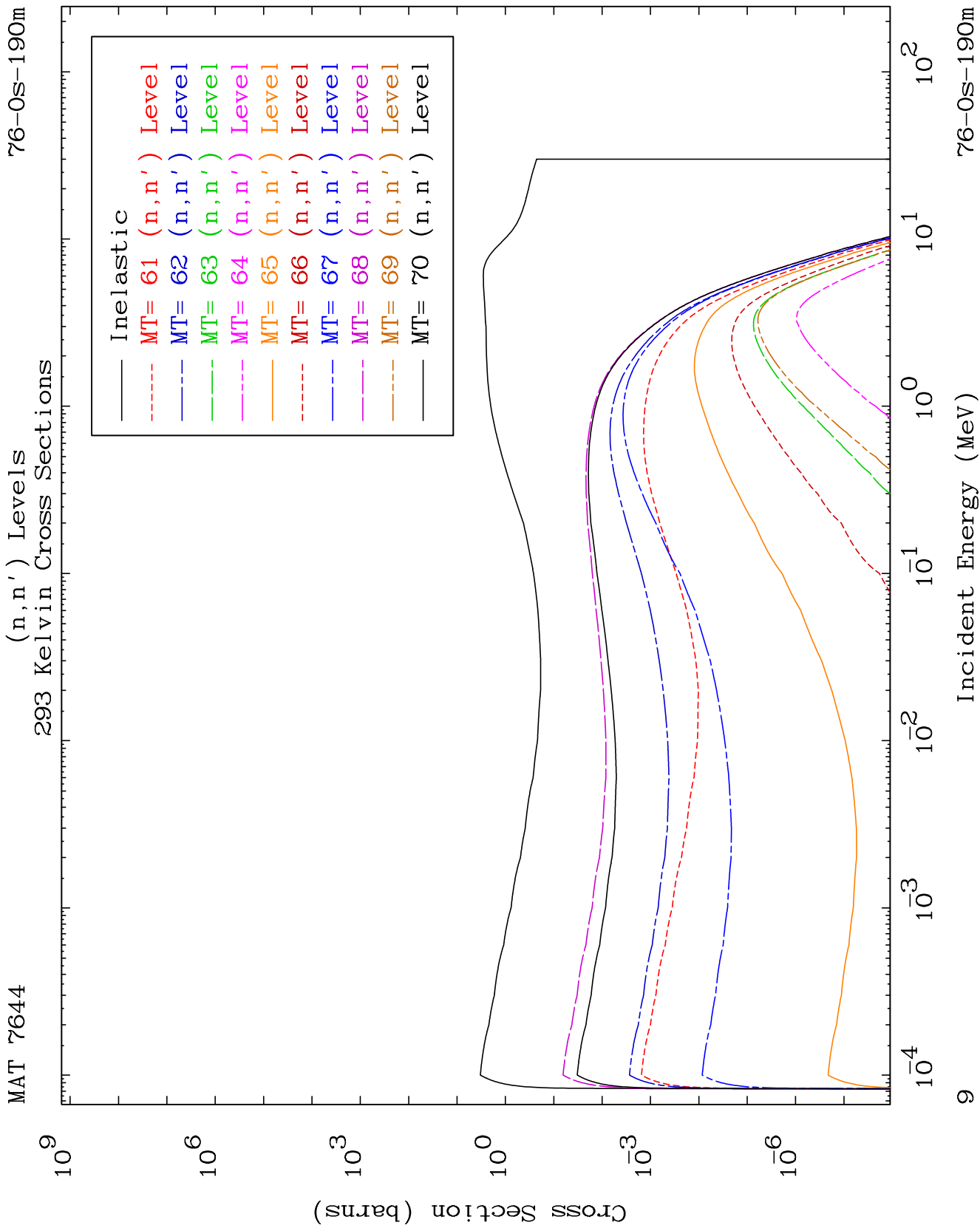
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Particle Production
293 Kelvin Cross Sections

76-0s-190m



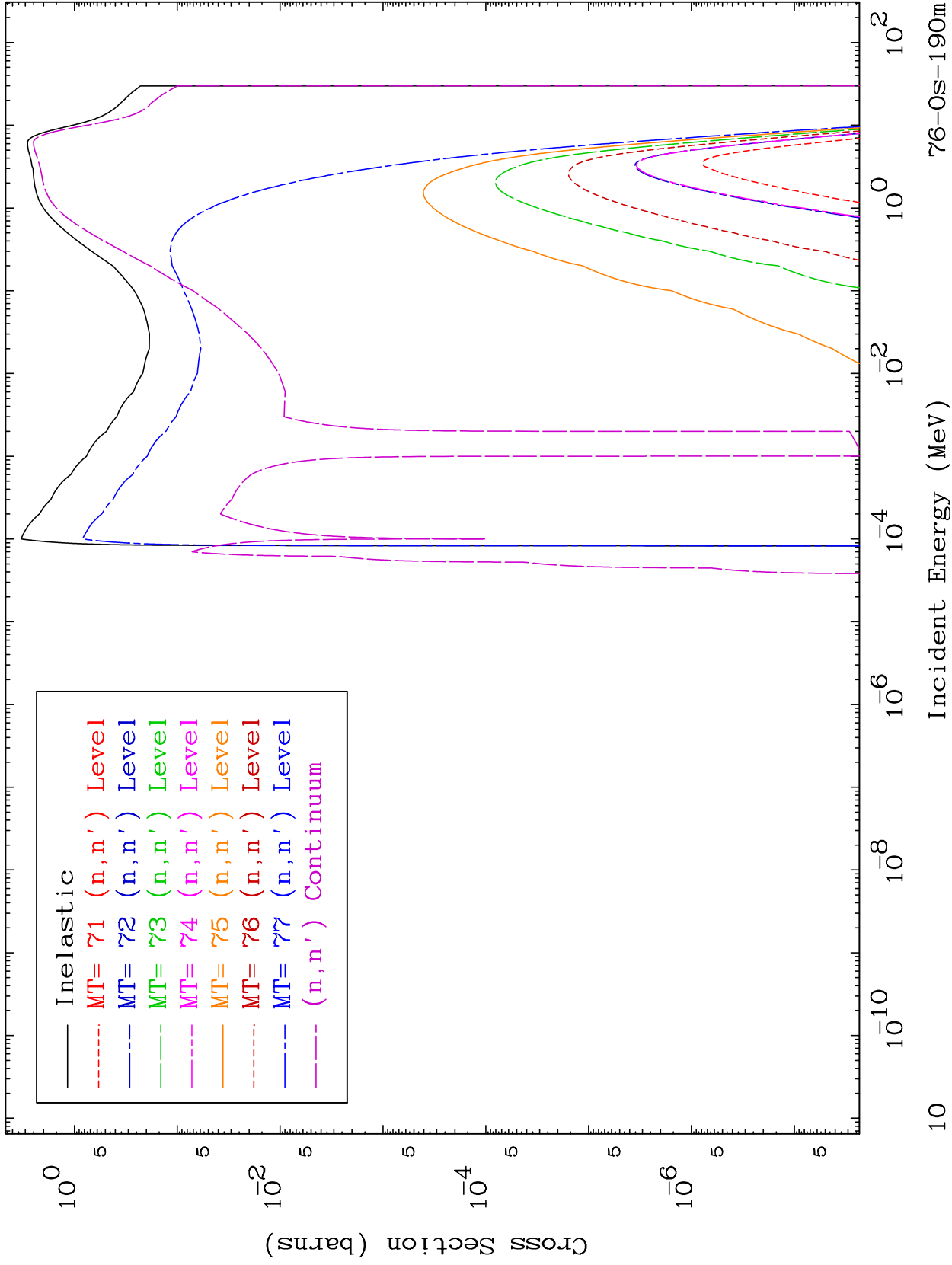




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293 Kelvin Cross Sections
(n,n') Levels

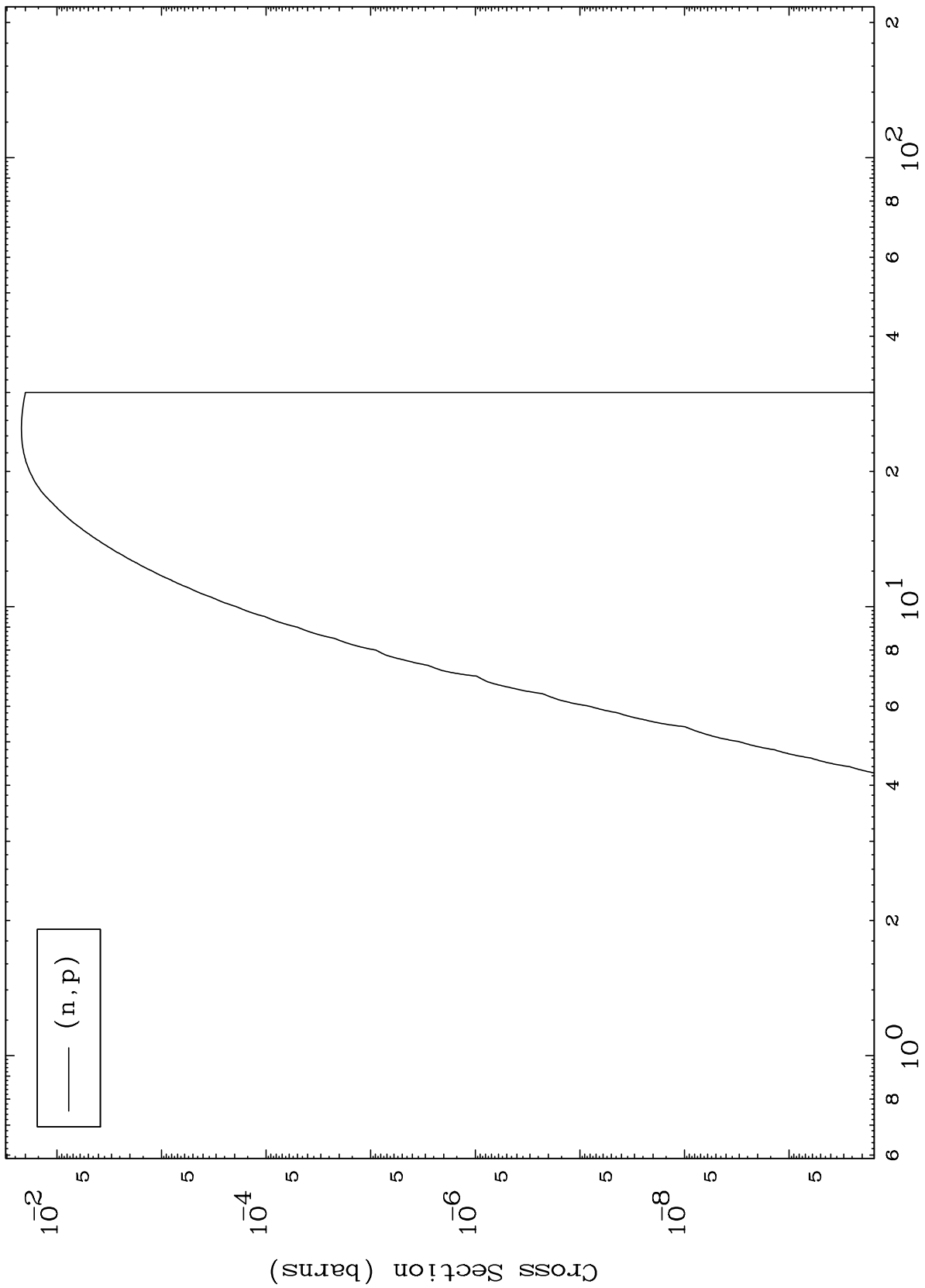
76-0s-190m



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(n,p) Levels
293 Kelvin Cross Sections

76-0s-190m



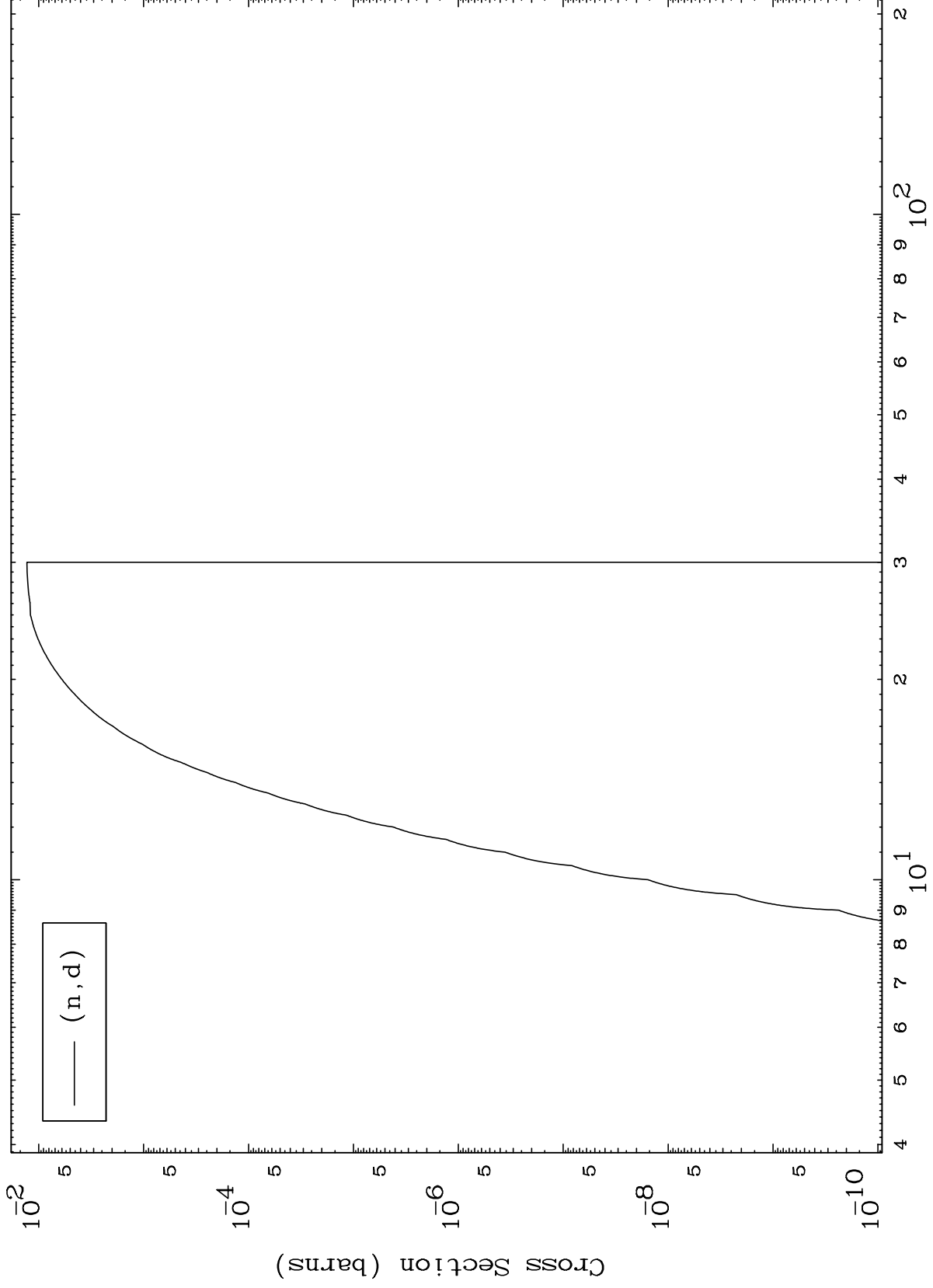
Incident Energy (MeV)

76-0s-190m

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(n,d) Levels
293 Kelvin Cross Sections

76-0s-190m



12

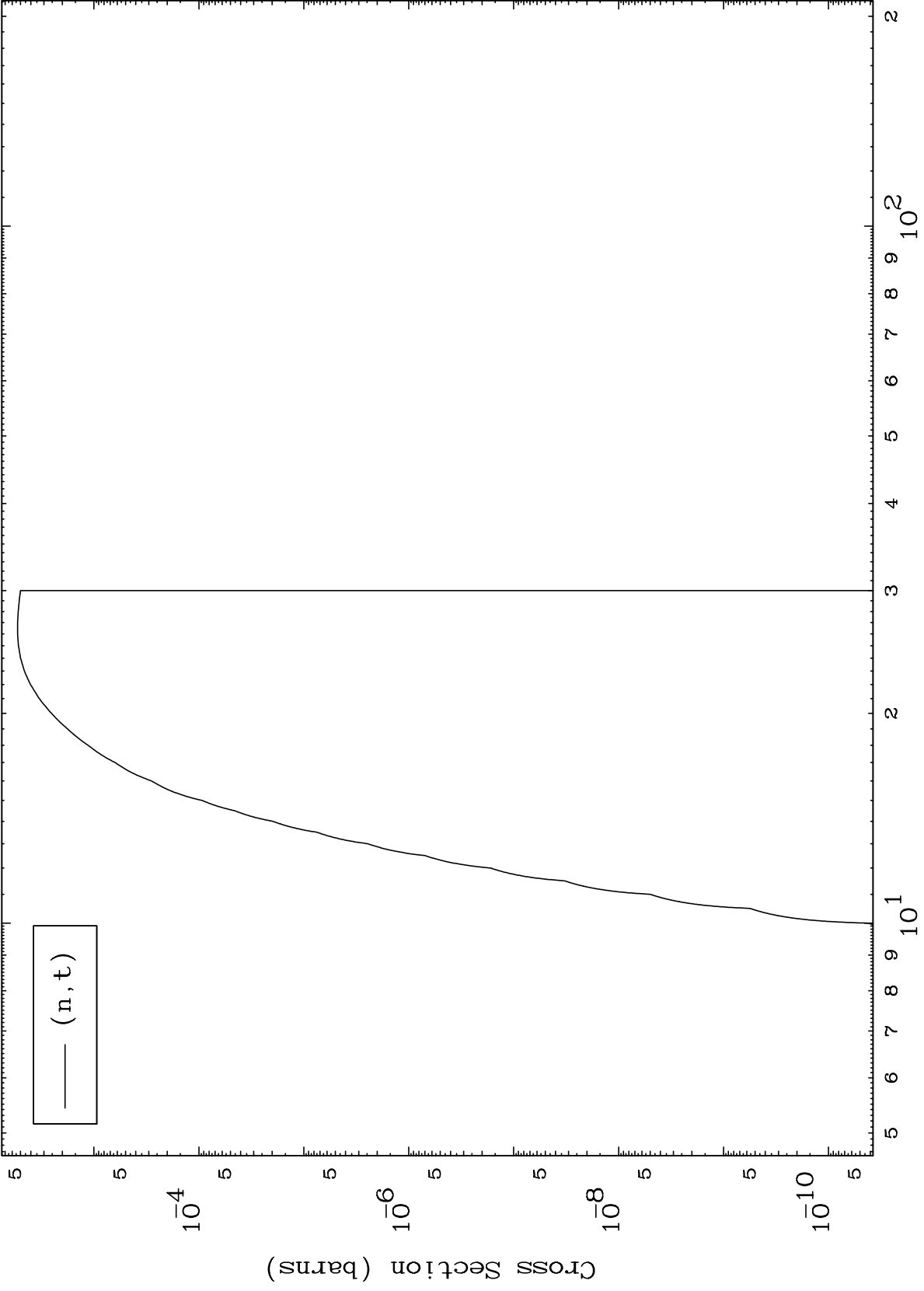
Incident Energy (MeV)

76-0s-190m

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(n,t) Levels
293 Kelvin Cross Sections

76-0s-190m



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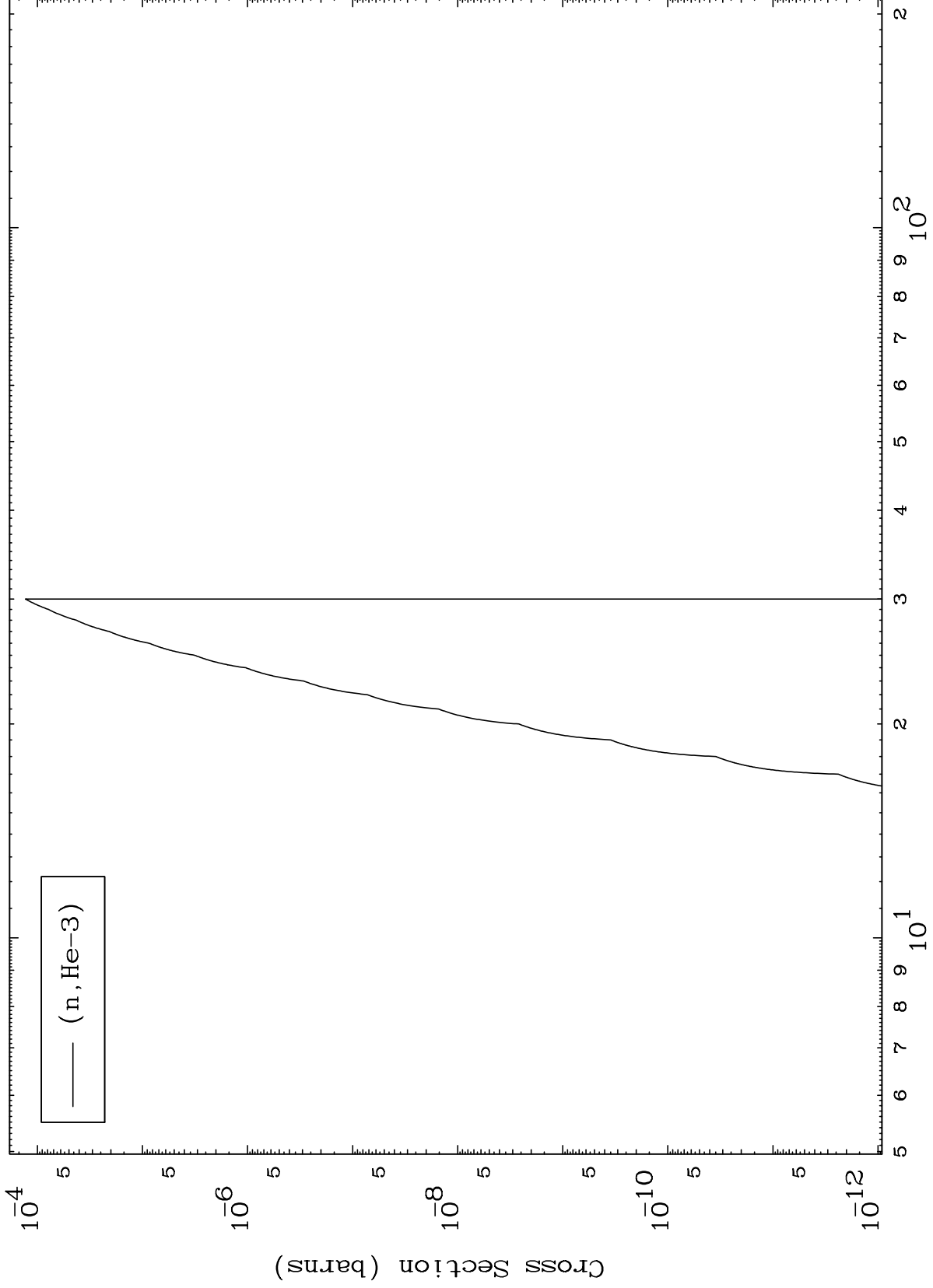
Incident Energy (MeV)

76-0s-190m

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(n,He3) Levels
293 Kelvin Cross Sections

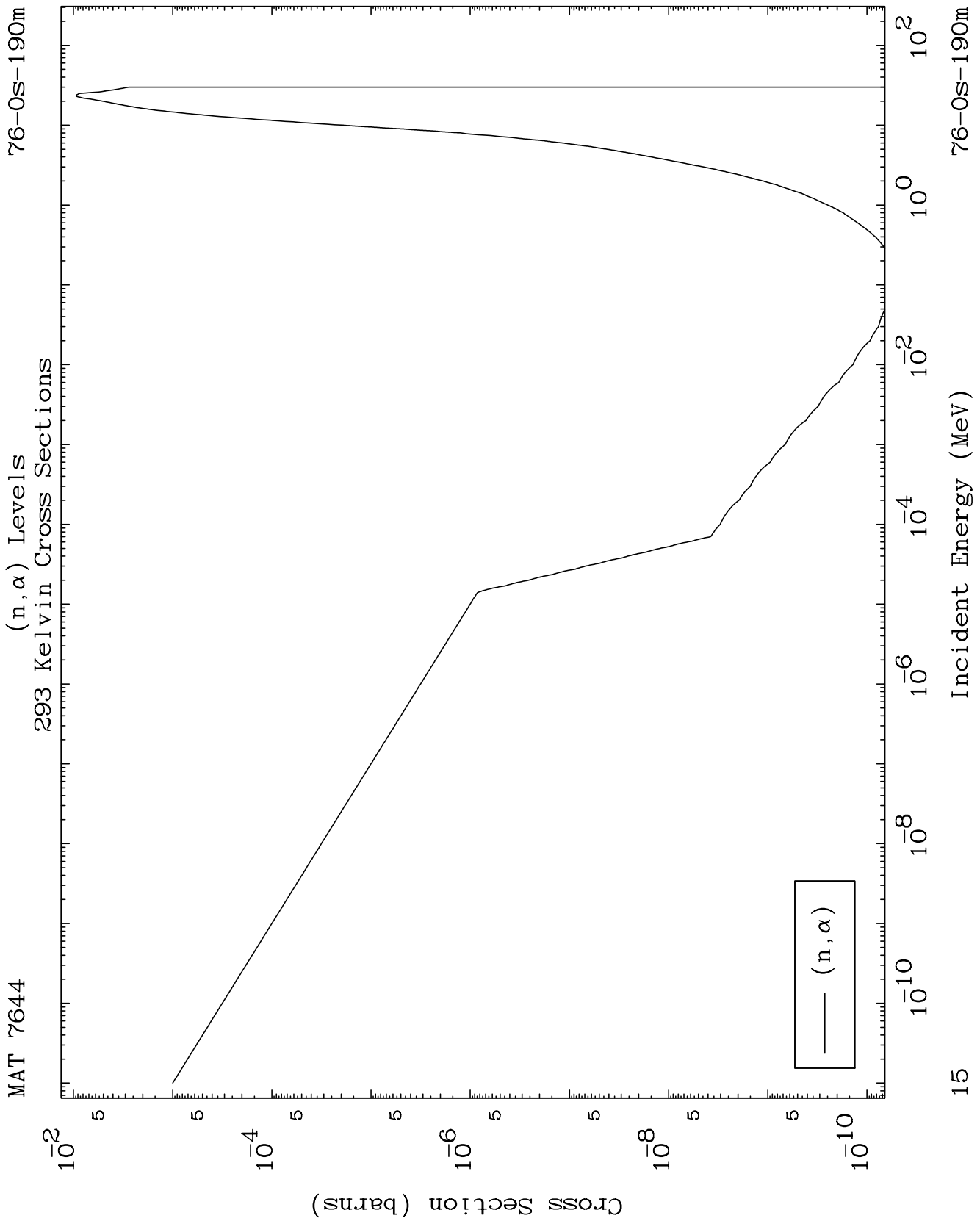
76-0s-190m

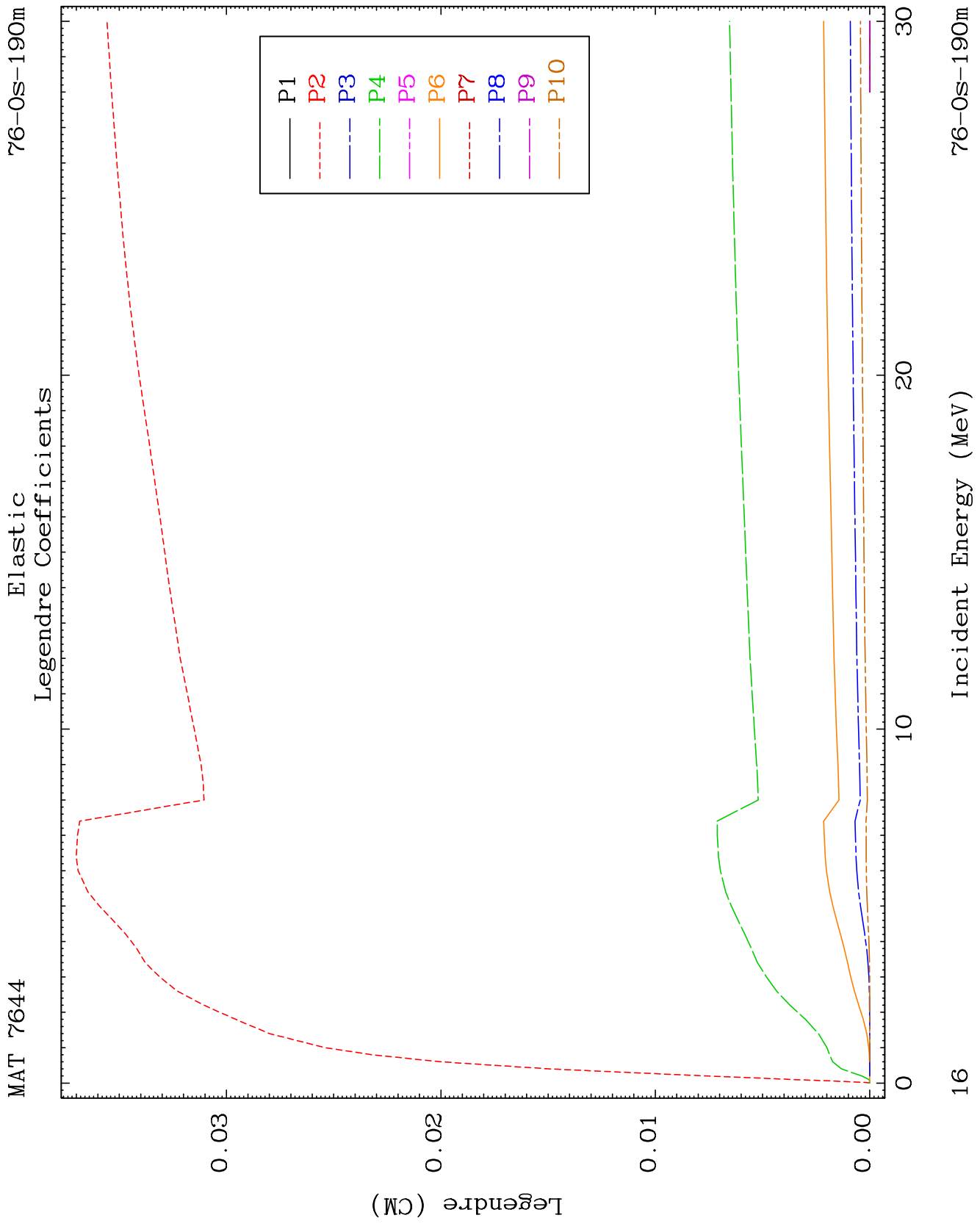


14

Incident Energy (MeV)

76-0s-190m

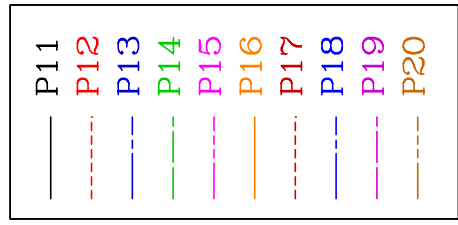




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Elastic
Legendre Coefficients

76-0s-190m



$\times 10^{-4}$
2.0
1.5

Legendre (CM)

1.0

0.5

0.0

5

10

15

20

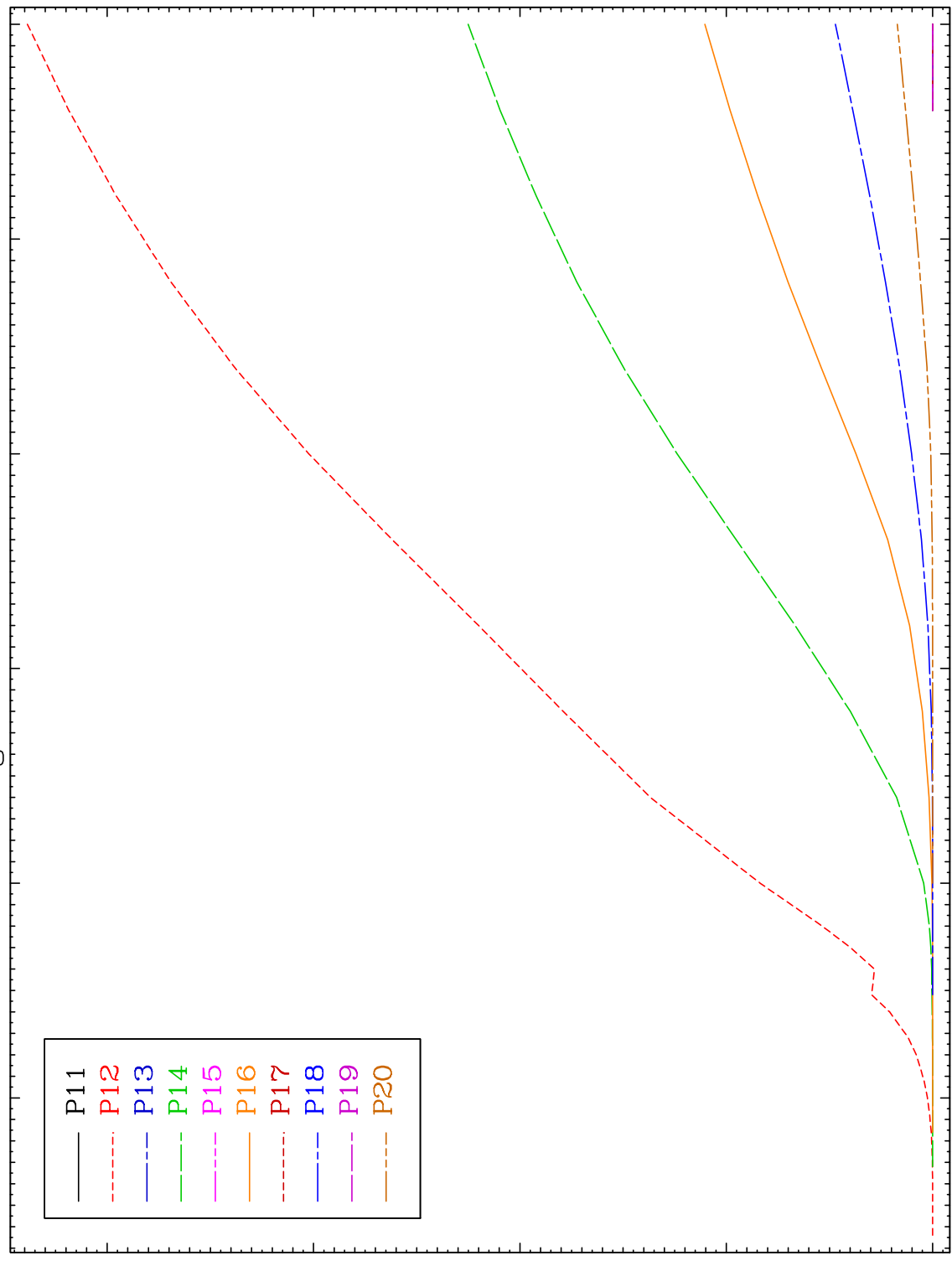
25

30

17

Incident Energy (MeV)

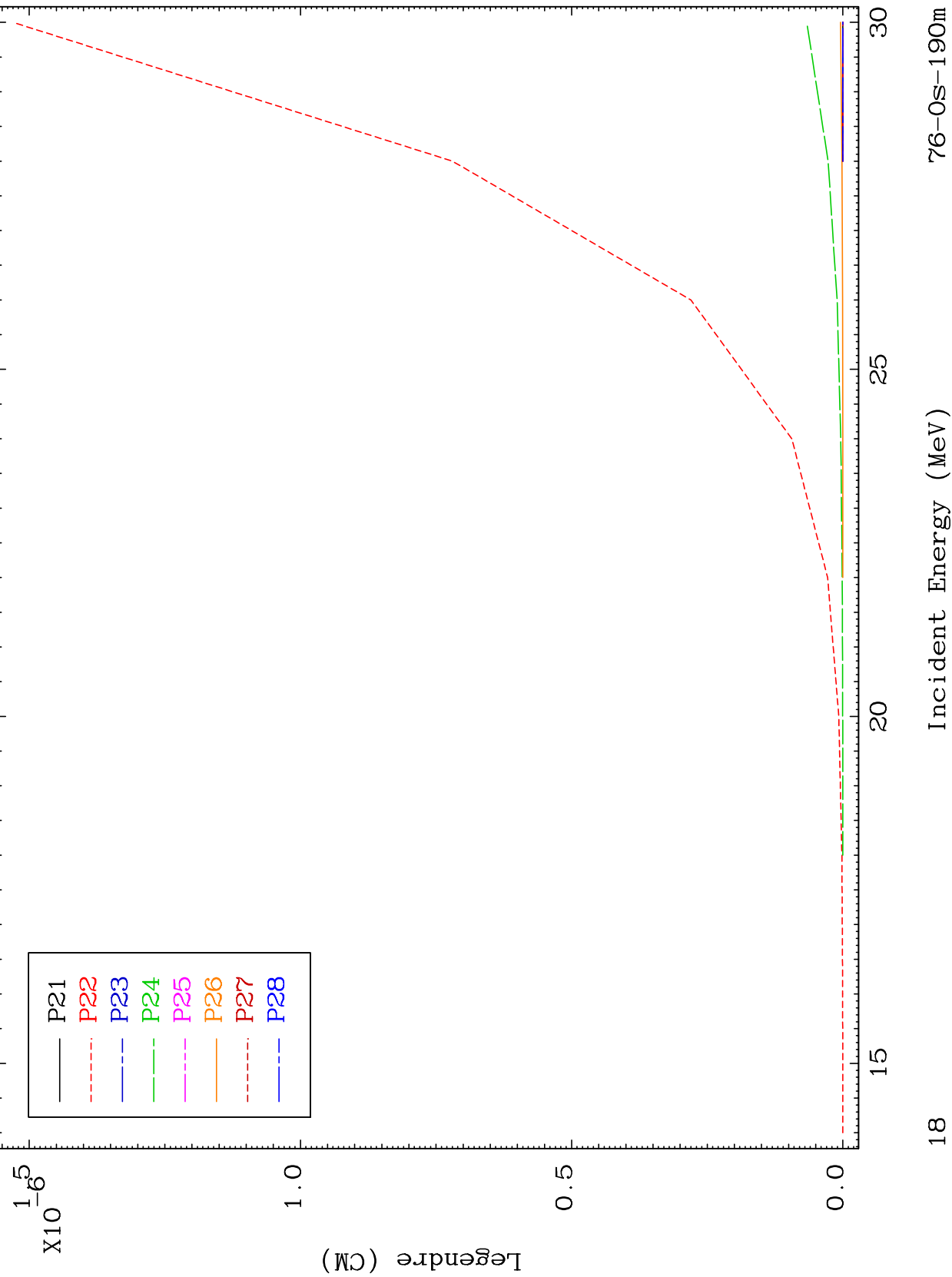
76-0s-190m



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Elastic
Legendre Coefficients

76-0s-190m



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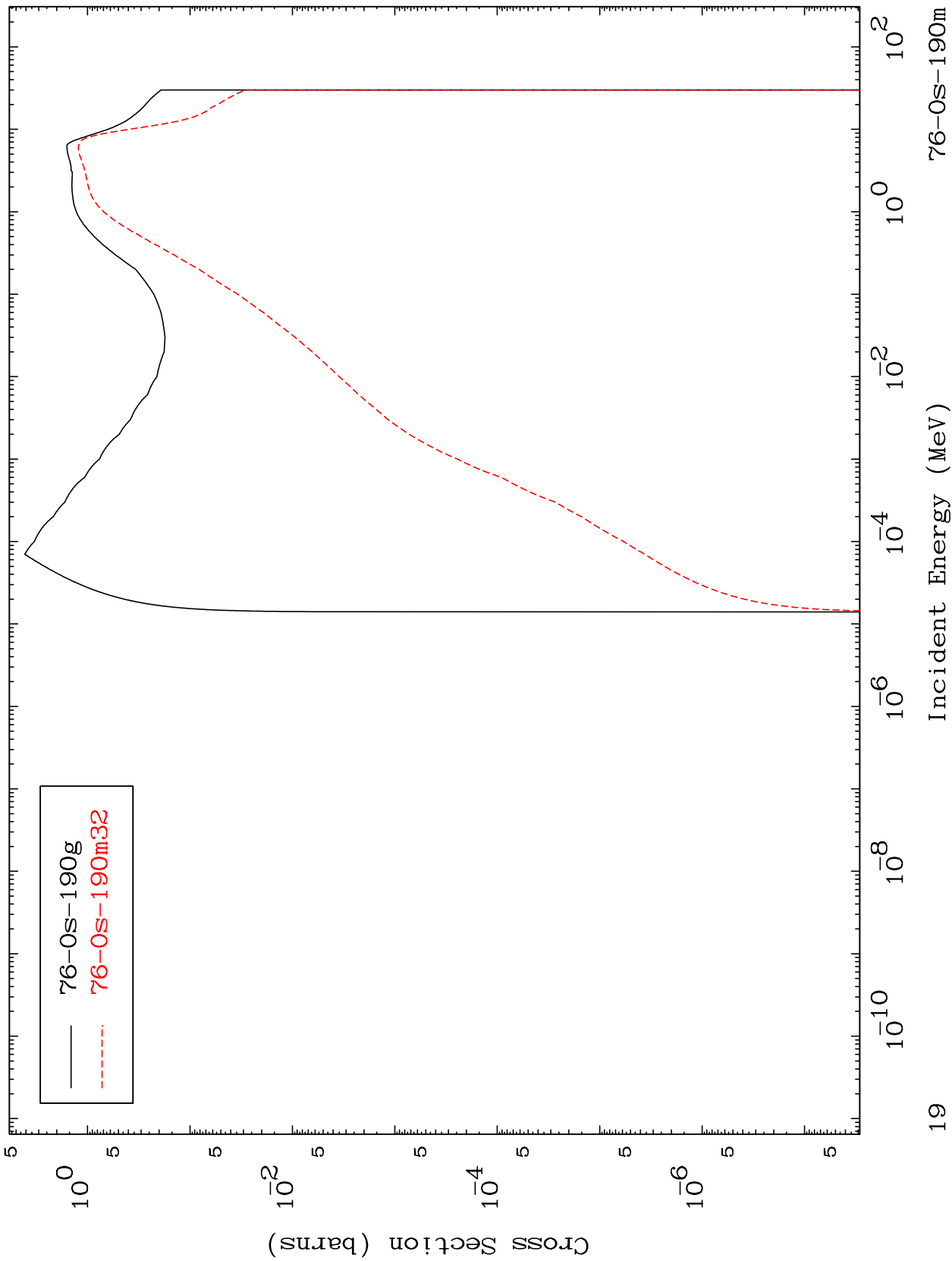
Incident Energy (MeV)

76-0s-190m

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76-0s-190m

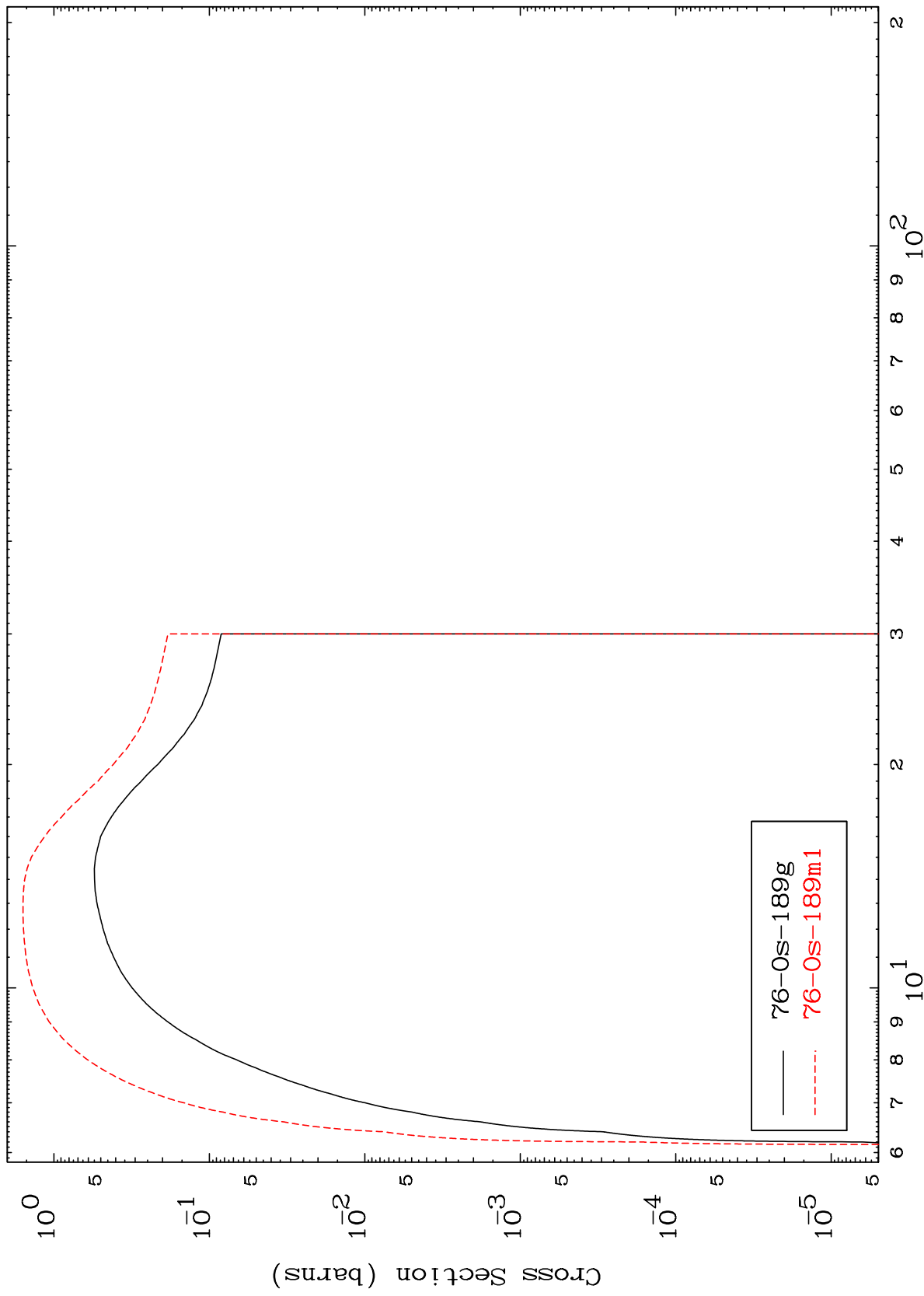
Inelastic
Radionuclide Production Cross Section



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76-0s-190m

(n,2n)
Radionuclide Production Cross Section



76-0s-190m

Incident Energy (MeV)

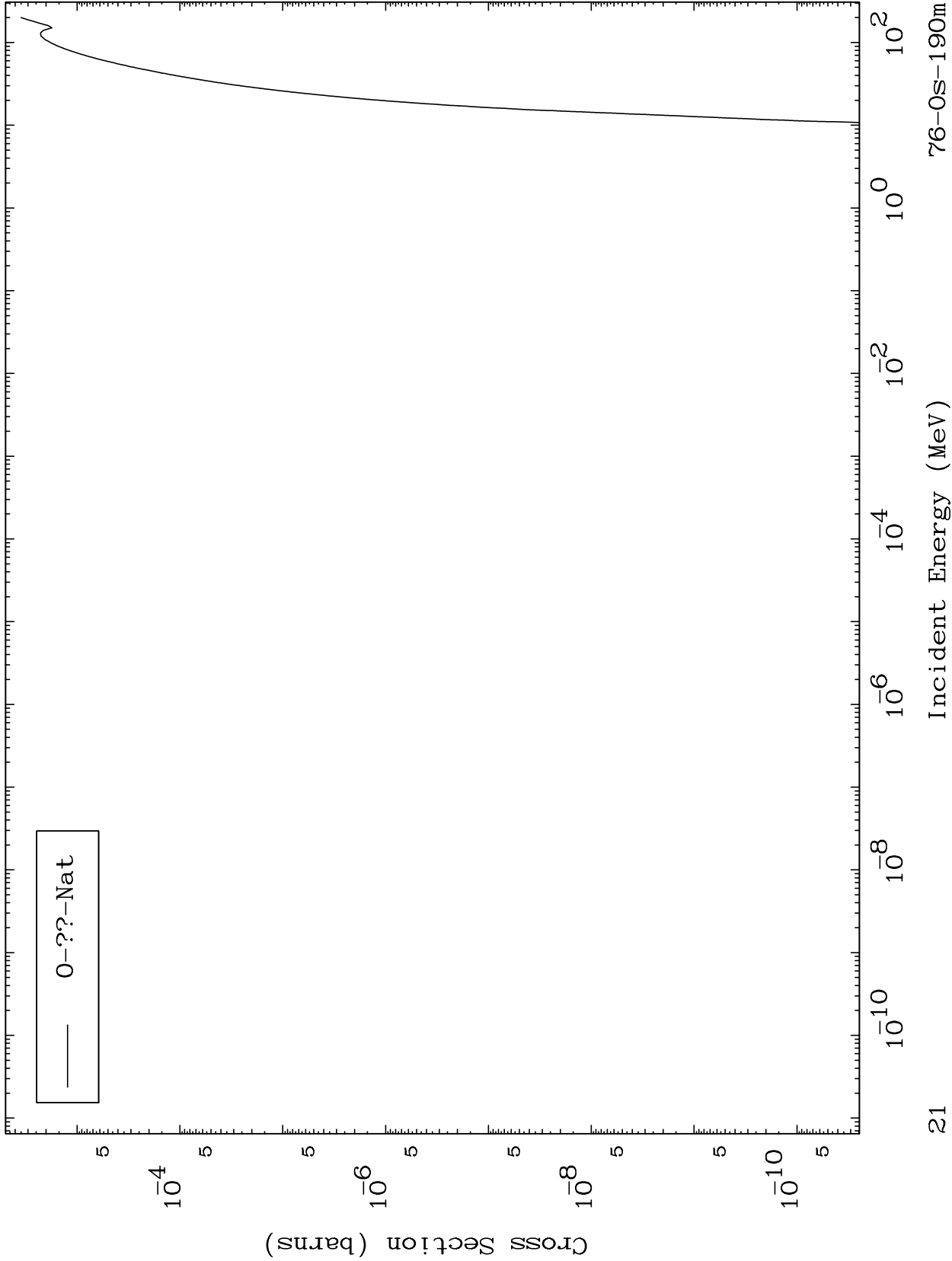
20

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Fission

76-0s-190m

Radionuclide Production Cross Section

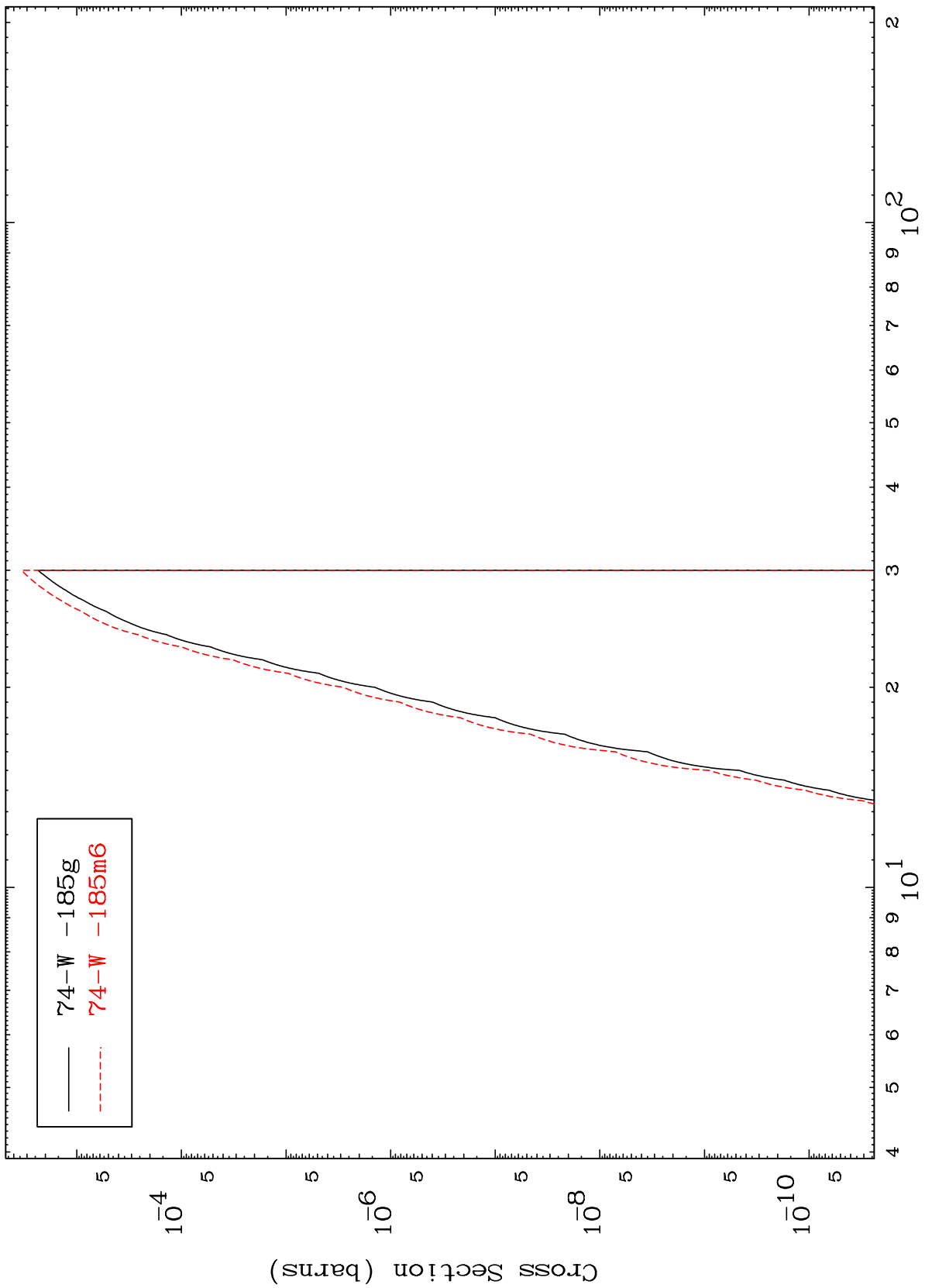


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(n,2n) α

76-0s-190m

Radionuclide Production Cross Section

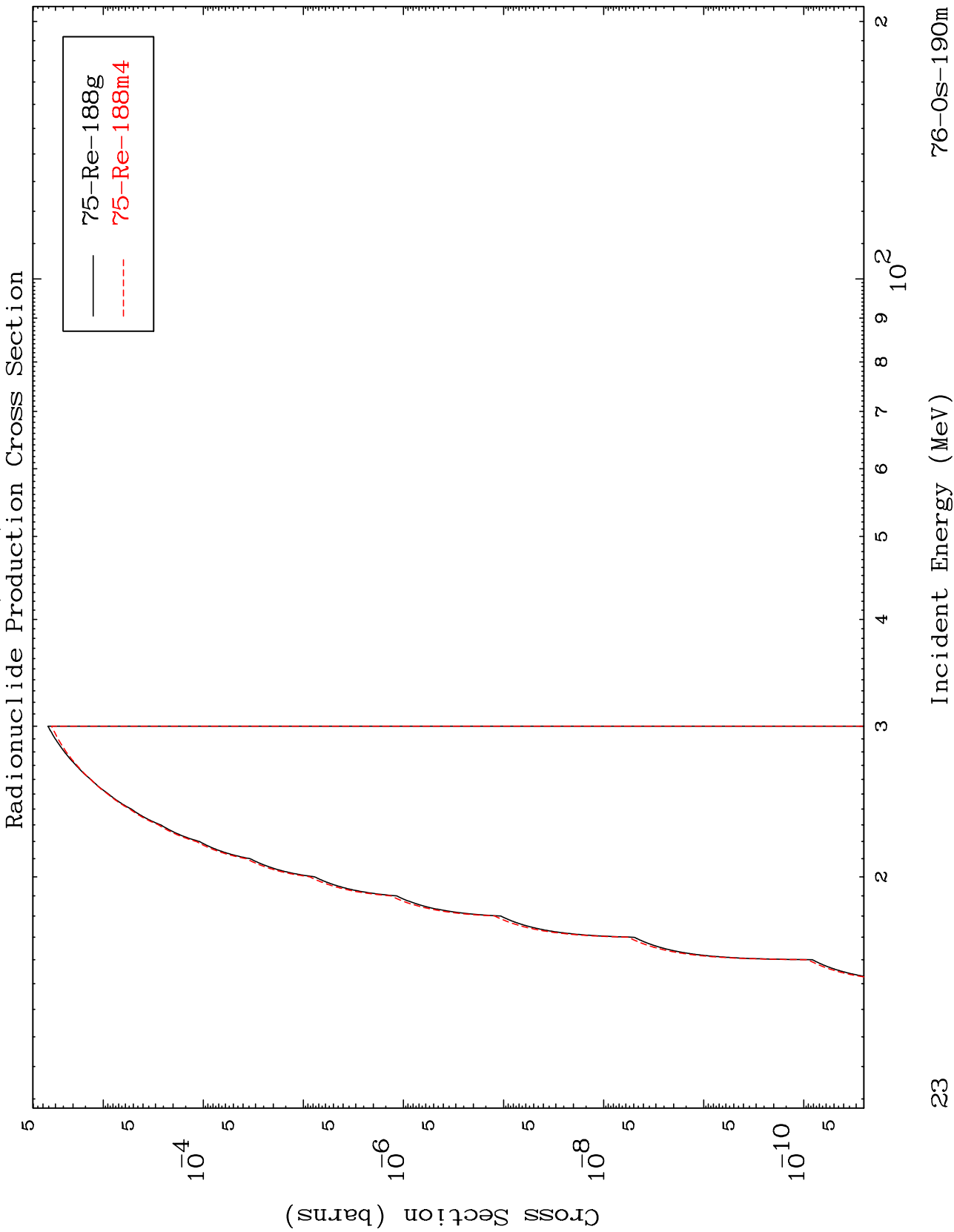


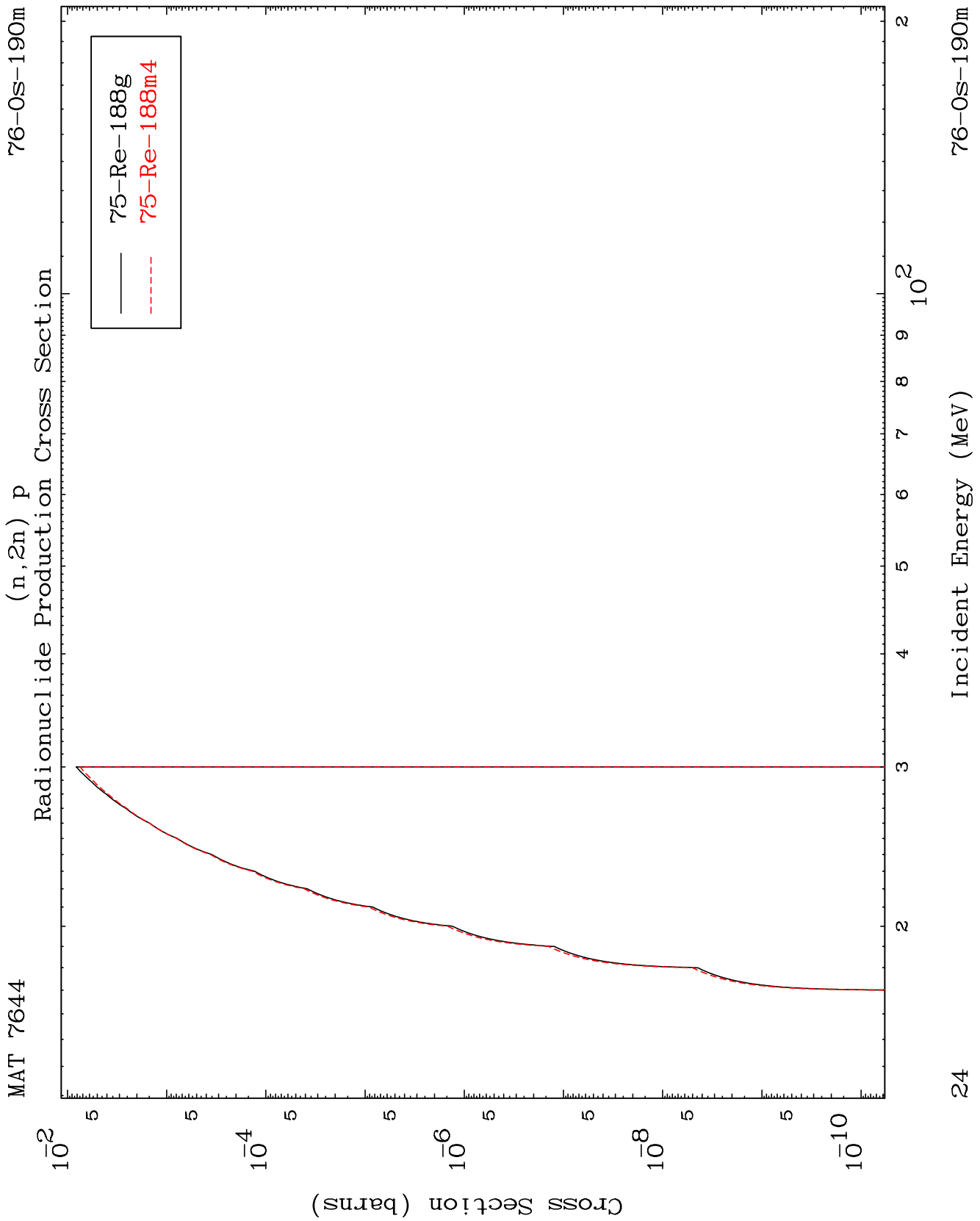
74-W - 185g
74-W - 185m6

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(n,n') d

76-Os-190m

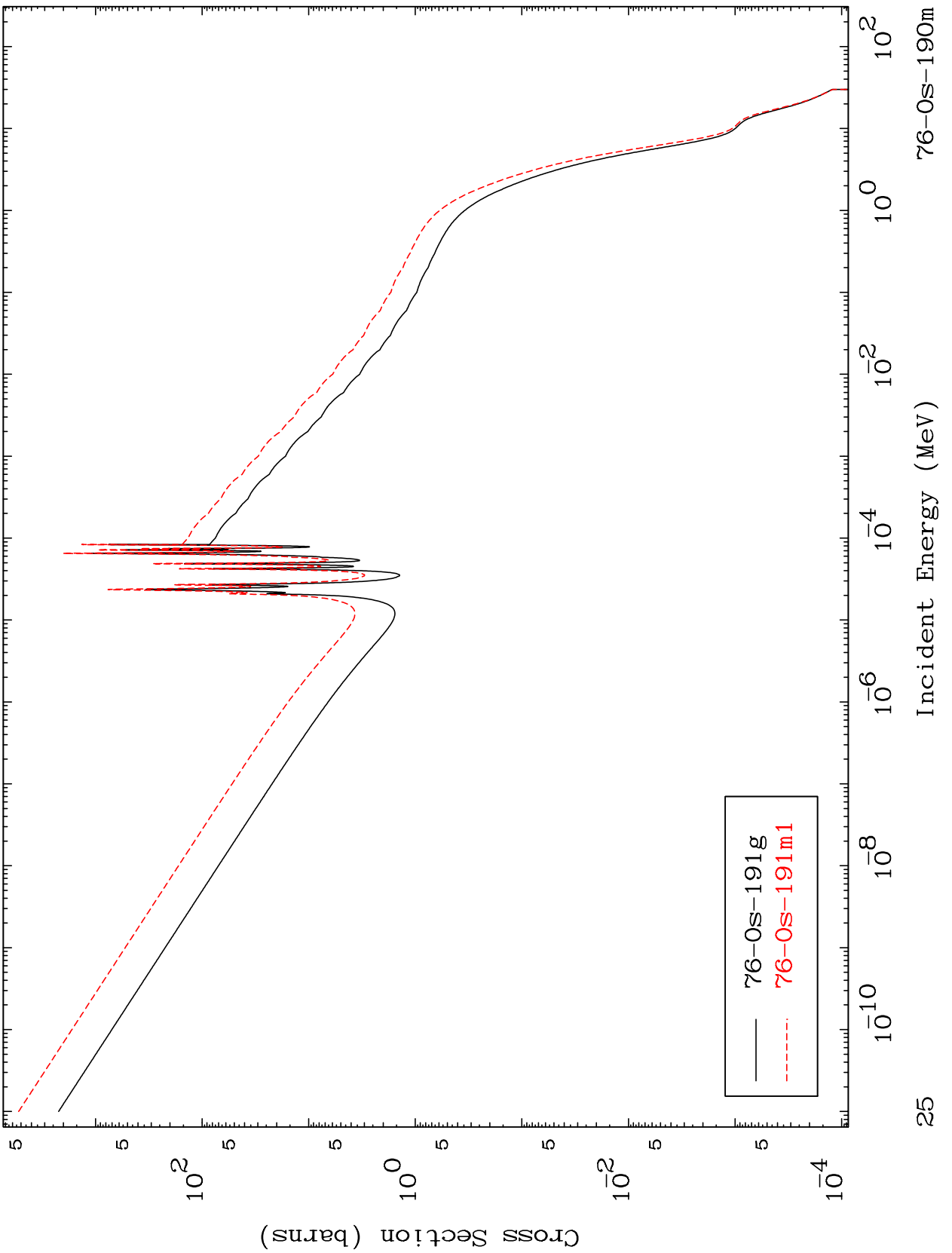




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76-0s-190m

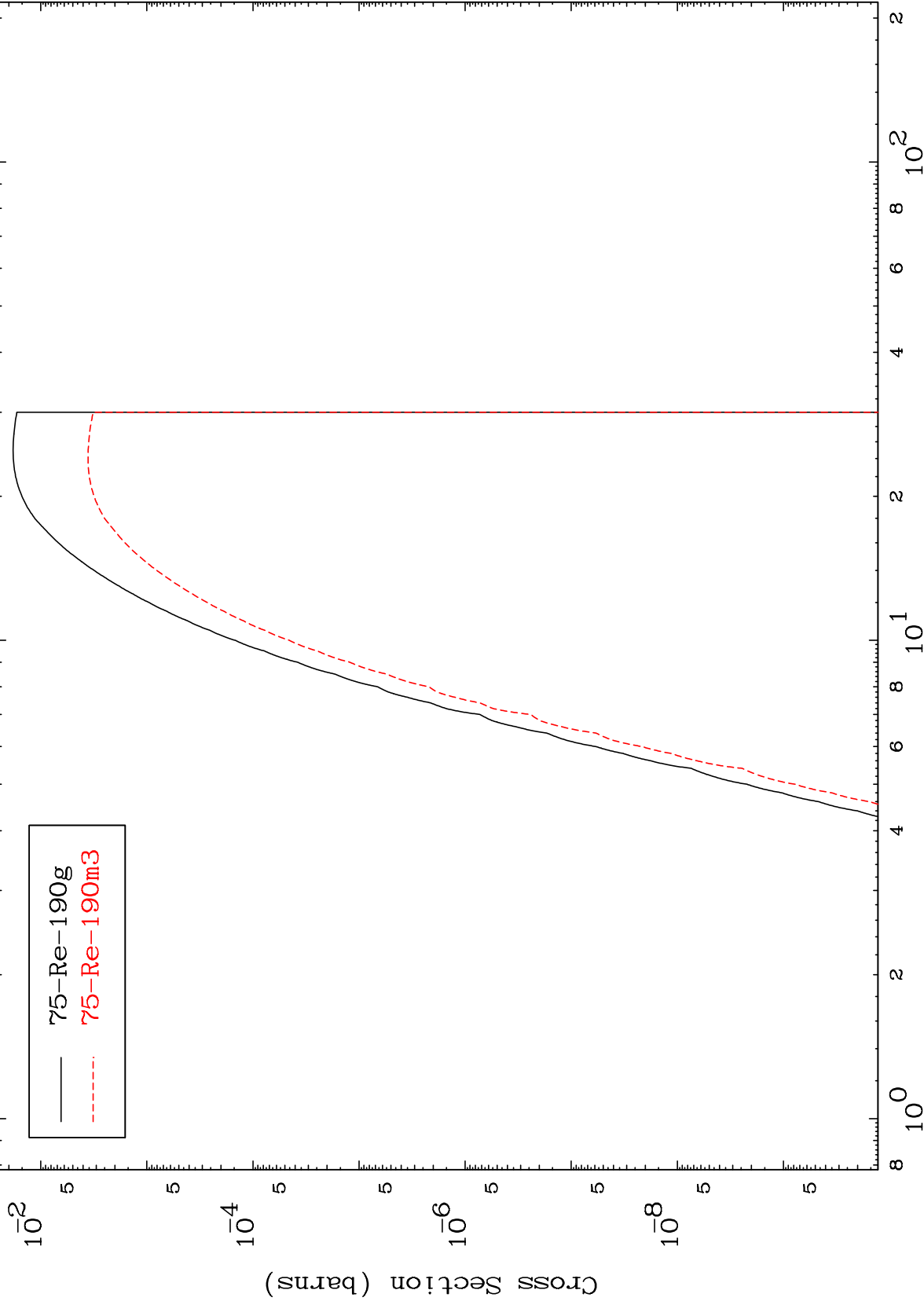
(n, γ)
Radionuclide Production Cross Section



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(n,p)
Radionuclide Production Cross Section

⁷⁶Os-190m



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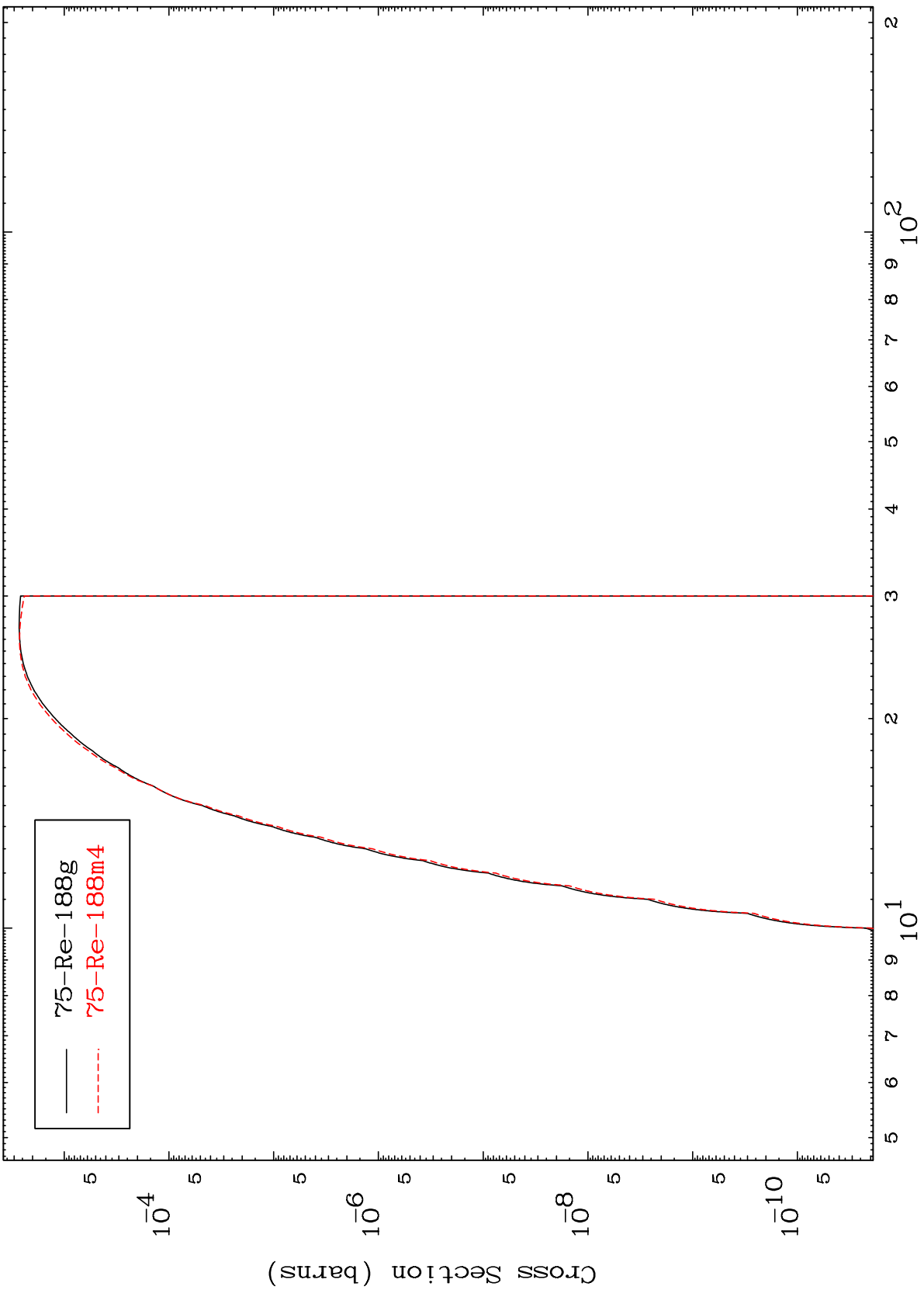
Incident Energy (MeV)

⁷⁶Os-190m

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76-0s-190m

Radionuclide Production Cross Section (n,t)



75-Re-188g
75-Re-188m4

27

Incident Energy (MeV)

76-0s-190m