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### Numerical Simulation of Ion Thruster Optics

calculated, equations describing the volumetric charge exchange **ion production rates** in each cell are used to introduce charge exchange ions. ...

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Experiments are described suggesting that the distribution of **ion currents** ...

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### The Effect of Carbon Deposition on Accelerator Grid Wear Rates in ...

charge exchange **ion production rate** downstream of the optics is proportional to the beam current den- sity. If the charge exchange ions are not created too ...

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<http://trs-new.jpl.nasa.gov/dspace/bitstream/2014/15788/1/00-1528.pdf>

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### AIAA -99-4612 AN ION PROPULSION SYSTEM FOR NASA'S DEEP SPACE MISSIONS

This implied that charge exchange **ion production rates** in the vicinity of the accelerator grid were higher in this test than would be experienced in a space

...

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<ftp://ftp.grc.nasa.gov/users/ep/ion/publications/1999/onsite/aiaa-1999-4612.pdf>

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### Ion Propulsion Development Activities at the NASA Glenn Research ...

general, the device appeared to operate best at very low flow **rates**.

Under these

conditions, the **ion production** as well as **ion energies** appear to be ...

others searched for:

<ftp://ftp.grc.nasa.gov/users/ep/ion/publications/2001/onsite/iepc-01-088.pdf>

**NASA CR 1 1 6 1 3 9 THE POLAR ION FLOW: WIND OR BREEZE?**

A review of the theories of light ion flow from the polar cap i n ...  
**production rate** and solve the ancient problem of the earth's helium budget, ...  
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**Recent Development Activities in Hollow Cathode Technology\***

from the required source **ion production rate**. One may determine the required **ion production rate** of the source by noting that the **production rate** is ...  
others searched for:  
<ftp://ftp.grc.nasa.gov/users/ep/ion/publications/2001/onsite/iepc-01-270.pdf>

**NASA's Deep Space 1 Ion Engine**

the **ion** accelerator system results in a small **production rate** of charge-exchange ions in which a slow moving xenon atom exchanges ...  
others searched for:  
<http://trs-new.jpl.nasa.gov/dspace/bitstream/2014/13235/1/01-1942.pdf>



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