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Modification of glassy carbon under strontium ion implantation

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Abstract content **
** ** **; (Max 300 words)

The structural changes of glassy carbon (Sigradur® G) due to implantation with 360 keV strontium ions at room and high temperatures are reported. The samples were implanted with strontium ions at a fluence of 2×10^{16} ions/cm² at room temperatures, 350 deg;C and 600 deg;C. The influence of ion implantation on surface morphology and topology was examined by the scanning electron microscopy (SEM) and atomic force microscope (AFM). Raman spectroscopy and X-ray diffraction were used to monitor the structural changes induced in glassy carbon as a result of implantation. The depth profiles of the strontium implanted at different temperatures we determined by Rutherford backscattering (RBS).

Apply to be **
** consider for a student **
** ** **; award (Yes / No)?

No

Main supervisor (name and email)**
**and his / her institution

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no

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