Contribution ID: **135** Type: **Poster Presentation**

Heat treatment of glassy carbon implanted with cesium at room and high temperatures

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Abstract content
   (Max 300 words)

The effect of annealing temperature and time on glassy carbon implanted with 360 keV silver at room and high temperatures is reported. The samples were implanted with silver ions at a fluence of 2x10¹⁶ ions/cm² at room temperature, 350 deg;C, 600 deg;C and 700 deg;C. The implanted samples were vacuum annealed for periods ranging from 30 minutes cycles to 12 hours cycles at temperatures from 350 deg;C to 650 deg;C. The depth profiles of the implanted samples before and after annealing were obtained by ion beam technique, viz. Rutherford Backscattering Scattering (RBS). Scanning Electron Microscopy (SEM) was employed to in investigating the effect of implanted ions and annealing on the microstructure of the substrate.

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

Yes

Level for award
 (Hons, MSc,
   PhD)?

PhD

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

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Would you like to
 submit a short paper
 for the Conference
 Proceedings (Yes / No)?

No

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