Date: Tue, 05 Sep 2006 15:28:04 -0400
From: "Andreas Stolz" <stolz@nscl.msu.edu> Block Address
Subject: Re: CVD diamond detectors
To: "Dr. Dipangkar Dutta" <dd285@msstate.edu>

Reply | Reply All | Forward | Print | Delete

Dear Prof. Dutta,

we purchased sample CVD diamond material from Advanced Diamond Solutions
and we are in the process of characterizing the material for detector use. These investigations are not yet completed. Until then, I would not
be able yet to give you more information about the quality of the samples.

The experiences we made regarding purchasing and customer service are very positive with this company. If you are interested to hear about the
detector test results I can update you as soon as we have completed the in-beam tests.

We use CVD diamond detectors here at the NCSL for timing and tracking applications with heavy ions. So far we bought CVD diamond from Element6
in the UK. The distributor for the U.S. is Harris International in New York City. The detector configuration is done here at the NSCL (ohmic contacts, wire contacts, housing,...). In addition, I work together with
the group of Brage Golding at Michigan State's Physics and Astronomy Department on the development of diamond detectors based on heteroepitaxial single-crystal diamond. I attached one of our recent publications.

Please let me know if you any further questions.

Best Regards,

Andreas Stolz

Andreas Stolz
Assistant Professor
National Superconducting Cyclotron Laboratory
Michigan State University
East Lansing, Michigan 48824-1321, USA
Phone: +1-517-324-8121
Fax: +1-517-353-5967
Email: stolz@nscl.msu.edu
Web: http://www.nscl.msu.edu/~stolz

Dr. Dipangkar Dutta wrote:
> Dear Prof. Stolz,
> We were wondering if you could tell us about your experience with
> Advanced Diamond
> Soultions. We are in the processes of investigating the feasibility
> of building a diamond micro-stip detector to be used for tracking in
> a high radiation environment at JLab. We have contacted ADS about
> their CVD diamonds and they had mentioned you as one of their
> customers. We would really appreciate it if you could give us some
> feedback on ADS and your experience with their products and CVD
> diamond detectors in general.
> Thank you very much for your time
> Regards
> Dipangkar Dutta
>
>
> ---------------------------------------
> Dipangkar Dutta Assistant Professor
> Department of Physics & Astronomy
> Mississippi State University

> Rm 010C Hilbun Hall, P.O. Box 5167
> Mississippi State, MS 39762-5167
> Ph: 662 325 3105   Fax: 662 325 8898
> email: d.dutta@msstate.edu

DRM_15_2006_807.pdf	Name: DRM_15_2006_807.pdf Type: application/pdf Encoding: base64

Reply | Reply All | Forward | Print | Delete

Top