

To: HYSPEC
From: "Stephen M. Shapiro" <shapiro@bnl.gov>
Subject: HYSPEC News
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Bcc:
X-Attachments:

Dear IDT Members,

Thank you all (or most of you) who responded to our last call for scientific input and CV's for the DOE proposal. We achieved our goal and submitted it to DOE on Dec. 19, 2002. BNL management really pitched in at the last minute to help us get the budget pages and scheduling in order. The final proposal is on our Web site in pdf and MSWord format. (http://neutrons.phy.bnl.gov/CNS/hyspec_index.html) It is lengthy (83 pages) document and if you would like a hard copy, you can contact me.

DOE plans to review this proposal concurrently with other proposals that are seeking funding: SEQUOIA (MAPS like instrument), Single Crystal Diffractometer, SNAPS (High Pressure Diffractometer), and Disordered Materials Diffractometer. Our goal is to acquire sufficient support to start the serious design and engineering studies that will be needed to request full project funding.

Meanwhile there are issues that our team is working on:

i) We have been tentatively assigned beamline 15 at the SNS.

However, The SNS Experimental Facilities Division informed us that, as laid out, HYSPEC will interfere with other beam lines. There are a number of options, such as moving the instrument outside of the building, reducing its size, or moving to another beam line. We are calculating the effects on the performance for various options.

ii) We need to get a project scientist on board and will start advertising nationally for such a position. If you know of any brilliant scientist who would like to build the best instrument at the SNS, please let me know.

iii) The beam stop and shielding are important components affecting design, costs and performance of HYSPEC. We are gearing up to do some MCNP calculations to complement SNS effort.

iv) Integrate more closely with the SNS project.

We shall be scheduling an IDT meeting in the near future. Stay tuned!

Thanks again for all your help and best wishes for a Happy New Year.

Sincerely,
Steve