

July 22, 2011

Dr. R. Kanungo  
Saint Mary's University  
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Dear Dr. Kanungo:

I am pleased to inform you that, at its meeting held July 8 & 9, 2011, the Subatomic Physics Experiments Evaluation Committee recommended that your experiment S1338 be given 26 shifts of beam time at high priority. Please see the committee recommendation on the next page.

As you are aware, your experiment will have to undergo a formal safety review by the TRIUMF Science Division Safety Committee before being allocated beam time. In addition, a Technical Review will be required outlining technical demands the experiment will place on TRIUMF (space, cryogenics and electrical support, machine shop, electronics shop, drawing office, detector facility, electronics pool, and wire chamber support). According to our policy, no experiments will be scheduled for beam without the relevant safety approvals and technical reviews.

At year-end, the TRIUMF Publications Office may request a report on your experiment for the TRIUMF Annual Report. We would also like to request that you give appropriate acknowledgement to TRIUMF in any of your talks or publications.

Let me congratulate you and your colleagues, and wish you every success with your experiment. Please do not hesitate to contact me if I can be of help in any way.

Yours sincerely,



Reiner Kruecken  
Science Division Head



**Report of the  
Subatomic Physics  
Experiments Evaluation Committee Meeting**

**July 8 & 9, 2011**

<b>S1338</b>	<b>Study of nuclear pairing through <math>^{12}\text{Be}(\text{p},\text{t})</math> reaction</b>	<b>R. Kanungo</b>
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The SAP-EEC has approved 26 shifts for your proposal S1338 "Study of nuclear pairing through the  $^{12}\text{Be}(\text{p},\text{t})$  reaction". The allocation of shifts is conditional on a prior demonstration that the solid hydrogen target performs to expectations. The committee recommends that you write a formal request for discretionary time to use a suitable stable-beam reaction for this demonstration.

One further comment from the committee concerns the physics motivation: it was unclear if the experiment will be able to discriminate between models with and without phonon-induced pairing. Regardless, it was felt that the results of the proposed experiment, concerning both structure and pairing in neutron-rich light nuclei, would be of great interest.

**PHYSICS PRIORITY:**     **H**  
**STAGE:**                   **stage 2**  
**SHIFTS:**                 **26**