

ANNIE1-electronics-design - Task #9086

Task # 8808 (New): Get details of what we can get from the beam spill and timing

Contact Zarko Pavlovic about beam timing signals.

06/10/2015 10:48 AM - Jonathan Eisch

Status:	Assigned	Start date:	06/10/2015
Priority:	Normal	Due date:	
Assignee:	Jonathan Eisch	% Done:	50%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Description			
email sent to Zarko Pavlovic [zarko.pavlovic@gmail.com]:			
Hello Zarko,			
I'm working on ANNIE and Matthew Wetstein suggested I contact you about getting precision timing of the BNB extraction.			
As I see it, we need to get two separate signals:			
1. An edge at SciBooNE Hall that precedes the beam spill with a fixed delay with precision of <1us. (or something that can be converted to the same.)			
2. A high-bandwidth signal proportional to the protons on target to record the detailed time-structure of the beam with ns-level absolute timing precision/accuracy relative to GPS/UTC. This will be used offline, so it can be recorded anywhere convenient.			
Can you help me figure out how to get these signals, or who to talk to about them?			
Thanks,			
-Jonathan Eisch			