

VME Intensity Monitor - Feature #13694

Support tracking the chopper's pulse width with a static amount of extra time

08/26/2016 10:52 AM - John Diamond

Status:	Assigned	Start date:	08/26/2016
Priority:	Normal	Due date:	
Assignee:	John Diamond	% Done:	50%
Category:	Engineering	Estimated time:	8.00 hours
Target version:		Spent time:	1.50 hour
Description			
In #13118 we made a feature which allows us to track the chopper's pulse width with a hard-coded padding of 25%. This feature will allow us to specify what that padding should be (in either % or as a set amount of time) via the CLI.			

History

#1 - 08/26/2016 01:38 PM - John Diamond

- % Done changed from 0 to 50

Added two parameters to `vmeintGateWidthMonitorAdd` that allow the user to define the padding added to the pulse length read from ACNET:

```
vmeintGateWidthMonitorAdd di, devId, padding_str, padding_perc_str
```

- `padding_str` is a static amount of time that should be added to the pulse length read from ACNET, given in microseconds
- `padding_perc_str` is a percentage of the pulse length read from ACNET that should be added, given as a decimal value (e.g. 0.25 = 25%)

Note: both values are floating point numbers that need to be passed in quotes from the command line

Untested - need to verify on nbeam.