

**October 26, 2012 10:00 in Snakepit**

**0. Establish Webex Connections**

**1. News – Steve**

CPM2012

<https://indico.fnal.gov/conferenceDisplay.py?confId=5841>

PX Siting Workshop established “paperclip” design as basis for RDR (see discussion)

<https://indico.fnal.gov/conferenceDisplay.py?confId=5955>

Fermilab PAC

2 LOI's for PX experiments (n-nbar, proton edm)

Project X physics discussion by Bob T

[http://www.fnal.gov/directorate/program\\_planning/Oct2012Public/PAC%20Agenda%20October%202012.htm](http://www.fnal.gov/directorate/program_planning/Oct2012Public/PAC%20Agenda%20October%202012.htm)

MuSR Forum

<https://indico.fnal.gov/conferenceDisplay.py?confId=6025>

**Upcoming Events**

IEEE NSS Steve is giving PX talk	October 29-Nov 2, Anaheim
TTC Meeting	November 5-8, JLab
IIFC Meeting	November 26-27, Fermilab
PX Collaboration Meeting	November 27-28, Fermilab
Nuclear Energy Applications of PX U.S. participants only	January 29-30, Fermilab (new dates)
DOE Review of PXIE	December 11-12 (TBC), Fermilab
SLHiPP (ESS/SPL) Collaboration Meeting	April 17-18, 2013, Belgium
IPAC2013	May 13-17, Shanghai
Snowmass2013	July 29-August 10, UMinnesota

SRF2013

September 22-28, Paris

PAC13

September 29 – October 4, Pasadena

## **2. FY12 Budget Recap - Steve**

Budget status (9/30/12, KA 11 02 03 4, 100% through year)

	<u>FY12 Budget*</u>	<u>Actual to date</u>	<u>% Spent</u>	<u>RIPs</u>
SWF	\$4,686	\$4,409	94%	
M&S	\$4,358	\$3,673	84%	\$794
OHD	\$4,672	\$4,287	92%	
<b>TOTAL</b>	<b>\$13,887</b>	<b>\$12,369</b>	<b>89%</b>	

### September Activity

SWF: \$315K

M&S: \$1,104K

### Carryover to FY13

We will not be allowed to carry over the \$279K SWF underrun.

We will be allowed to carryover M&S to cover the RIPs – this will make life substantially more manageable in FY13.

<u>Requisitions in process (9/30/12)</u>	<u>PR #</u>	<u>Amount</u>	<u>PO Amount</u>
Emittance Scanner (SNS)	237451	\$50.0	\$50.0
PXIE Shielding (Header) Blocks	237276	\$132.0	
Stripping foils - graphene	237102	\$7.5	\$7.5
Stripping foils - diamond	237100	\$24.0	\$24.0
Ion source chiller	237085	\$34.0	
Circulators (RFQ)	236725	\$200.0	\$138.0
RFQ Copper	234285	\$346.6	
<b>TOTAL</b>		<b>\$794.1</b>	

## **3. Charge and Provisional Agenda for PXIE Review – Steve**

### Dates

December 11-12 (Preferred)

January 15-17, 22-24, 29-31 (Backup)

## Charge

Transmitted from Mike Procario to Bruce Strauss (Review Chair) last week

## [Review Charge](#)

## Agenda

Draft agenda will be circulated within next couple days.

I expect that we will have a rehearsal on November 30.

## [Draft Agenda](#)

## Resource Loaded Schedule

We will freeze the RLS on November 15. This will be the official plan through the review.

## PXIE Design Handbook

We need to finalize this by November 15.

## PX Risk Analysis

Marc will be organizing a risk management workshop (~half-day) before Thanksgiving.

## **4. RDR Plan - Steve**

### Scope/Configuration

3 GeV, CW, H- linac

2 mA of beam to 1 GeV; 1 mA from 1-3 GeV

3-8 GeV pulsed, H- linac with 4.3% duty factor.

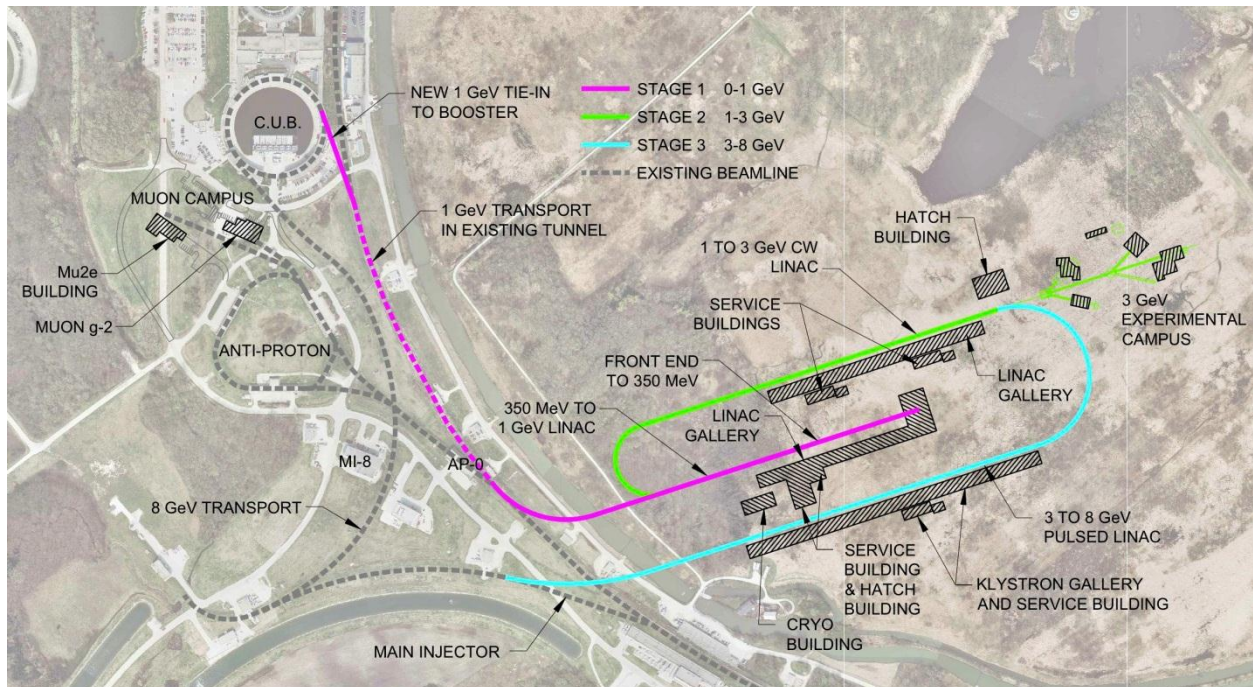
Upgradable to 10 mA @ 5% duty factor, including the connecting arcs

Required improvements to the MI/RR

Experimental facilities required to deliver beams to experiments

230 MeV, 1 GeV, and 3 GeV extraction

Siting consistent with a staged approach ("paperclip")



Staging will be described in an appendix, including modifications to Booster and Muon Campus for Stage 1.

Possible performance enhancement (high power at 8 GeV, accumulator rings at 1, 3, or 8 GeV) will be described in an appendix.

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### Writing Assignments

I will transmit writing assignments within next few days, along with the current RDR containing a lot of material that can be reused.

All interaction will be with your Chapter editor (Steve, Sergei, Marc, Bob T).

Steve will serve as overall editor.

### Timeline

October 24 - Complete update of TOC with writing assignments

November 15 - Freeze lattice design - includes optical design for the arcs

December 9 - Complete drafts of all chapters

January 2 - Final draft

January-March - Review by XMAC (Project X Machine Advisory Committee)

April 1 - Finalize and send to publisher

## **5. Provisional Agenda for Collaboration Meeting - Steve**

**This is now in the DOE database as a conference:**

“Project X Collaboration Meeting November 2012”

We do not require DOE approval (since well below \$100K), but travelers will have to note this as a conference on their travel forms (and will be tracked by DOE).

Meeting will start at 13:00 on Tuesday, November 27, immediately following the IIFC meeting.

[Draft Agenda](#)

## **6. AOB**