NPS Meeting 05 Oct 2017

(Hamlet Mkrtchyan)

1. New PMTs have been delivered with slightly different sockets





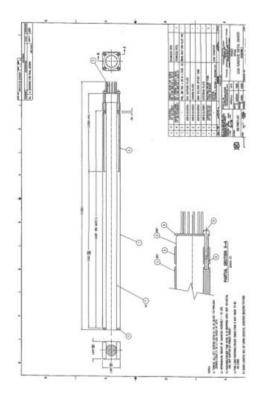
- Machining needed to bring sockets to diameter <20 mm
- Ask Hamamatsu for different version of socket (acceptable for us)

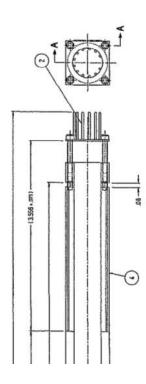
Note, 100 new PMT R4125 from "clean room" moved to Hall D (Fernando will start assembling and testing HV dividers). There is a plan (idea) to study PMTs relative QE, gain, and may be linearity

Have one working new divider and new PMT for Carlos, need to organize shipping.

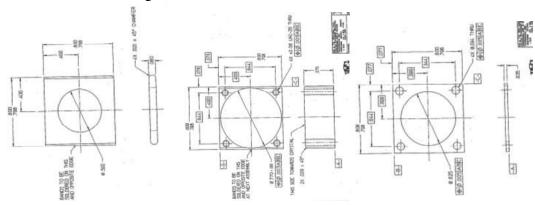
2. Primex PbWO module initial design

Have copy drawings of Primex Lead-Glass and PbWO blocks (Thanks Ashot and Alexander)



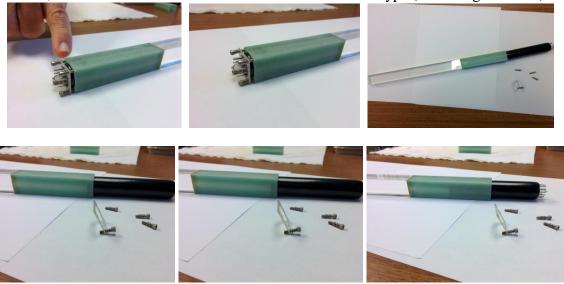


Some details of drawing



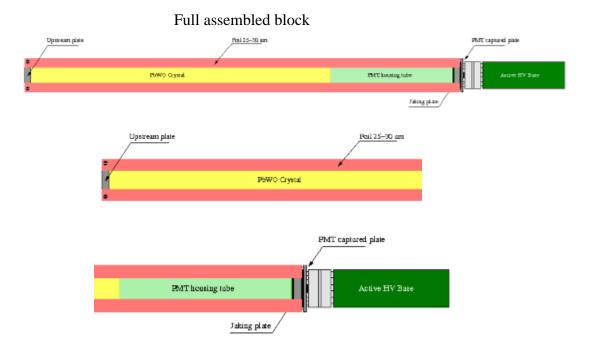
3. Primex Prototype module

To understand details of Primex design we ask Lee (Pimex) to show actual assembled module, Block which Lee showed to us was a Primex Prototype (according to Ashot).



- Primex Prototype module is not assembled as required initial design
- PMT housing tube is glued to PbWO and holds all PMT assembling
- Alexander Somov talked with Ashot Gasparyan by phone. He (Ashot) confirmed that they did not glued housing to the bar (used brass strips).

4. Proposed assembly of NPS PbWO modules



PMT, socket, divider and their assembly

