

HRPPD re-design activities & EIC-Incom PED contract

- An ad hoc series of meetings has been set up starting from early December last year:
<https://indico.bnl.gov/category/729/>
- Subject matter experts from BNL (Tim Camarda, AK, Takao Sakaguchi), JLab (Raymond Dawson and Alex Eslinger), Incom (Alexey Lyashenko and Mark Popecki) & ISU (Gerard Visser)
- Topics (mostly related to the ceramic anode design)
 - Reduction of cross-talk from ~2% to <1%; re-design of compression interposers
 - A very substantial modeling effort by Raymond Dawson (JLab) over the last several months
 - Elimination of fragile mechanical screws in the design
 - Elimination of HV pins in favor of pads and spring-loaded fixtures; other improvements in the HV lead layout
 - Adjustment of the HRPPD footprint and other small mechanical design improvements
- The goal is to converge by the end of January
- PR at JLab has been signed last week, which means EIC-Incom PED contract will start soon
 - We are ordering six HRPPDs in this (final) iteration
 - Kyocera anodes will be (hopefully) ordered in March and delivered to Incom by the end of summer
 - The HRPPDs will then be (hopefully) produced by the end of 2026