

Candidate RDC4 Work Packages for the September FOA

RDC4 Community Interest efforts

- We have presented Bluesky Work and Ideas for collaboration at US HEP National Labs with University participation as general talks and on specific topics.
 - LBNL by Timon Heim
 - SLAC several talks including from Lorenzo Rota (MAPS), Larry Ruckman (EFPGA's), Bojan Markovic (4D tracking) and today Aldo Perez & others on GAMpix.
 - ANL Ideas for Smart Pixels by Sasha Paramonov
 - FNAL Davide Braga
 - BNL Gregory Deptsuch

- These talks may be found at:

https://drive.google.com/drive/folders/1MwkYewJI9dSOwC8Zle_qtVR_ExYZy7h0

Hosted several talks in 4 sessions at CPAD 23

Gathered Information on potentially interesting projects in a community survey Request.

Work to support ideas for DOE's September FOA

- Several ideas have been put forward that potentially be supported by RDC4 and CPAD
 - Timon Heim suggested a consortium interest in Hybrid Pixels would be appropriate but is looking for community support and direction as to how he can reasonably contribute to a US effort and keep up with developing responsibilities in other areas.

Very Recently

- Corrinne Mills (UI Chicago) proposes an FOA submission to aid in the *Testing of Smart Pixels*. Ref Information: <https://arxiv.org/abs/2310.02474>
- Roger Rusak Proposes using existing ASICs to build a prototype detector with the objective of achieving 1-3ps resolution.

Defining RDC4's role

- Public presentation of ideas of interest & already being pursued
- Facilitate the formation or expansion of collaborations
- Support RDC4 and cross RDC FOA formation to CPAD leadership