Status of Chinese sPHENIX EMCal Consortium

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Chinese sPHENIX EMCal Consortium

Two Production Facilities:
  Fudan University
    (Yugang Ma’s group from SINAP → Fudan)
  Peking University (PKU + CIAE)

Chinese EMCal Construction Plan
  EMCal blocks 19-24 for sectors 13-64 (0.8 < |\eta| < 1.1)
  ~ 20% blocks

Expect students/post-docs from other Chinese sPHENIX groups
  to participate in the construction project
Status of Funding Applications in China

1) International Collaboration Proposal under Sino-US cooperation
   Lead Institution -- Fudan
   Feb 2019 – LOI submitted to MOST of China
   Mar 2019 – Invited to submit a formal proposal, due 3/29
   Apr 2019 – Panel Review by MOST, decision shortly after

2) NSFC Key Project Proposal
   Lead Institution – PKU
   Mar 2019 – Proposal submitted to NSFC

3) Internal University Funding from Fudan and PKU
   R&D support and Initial module production
Block Production

Tungsten Powder
   Chinese vendor identified
   Initial test of powder quality satisfactory
   Purchase some for block production at UIUC, Fudan/PKU

Sci/Fibers
   Kuraray Fibers

Epoxy
   US vendor

Status Reports --- Yang Shen, Wanbing He and Weihu Ma

--- Work towards a formal production/QA readiness review in fall
Uncertainties

1) US-China Relationship

2) Without MOST/NSFC support, we cannot make a commitment beyond the block production with University funds

   Other collaborations to cover the full 20% EMCal (SiPM, front-end electronics, digitizing etc) !

3) Production schedule and funding profile –

   Another sPHENIX EMCal workshop in summer/fall in China ?!