sPHENIX EMCal Module Prototyping and Production Plan in China

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The sPHENIX experiment is a next generation of large acceptance detector at RHIC whose scientific goals center on probing the strongly interacting Quark-Gluon Plasma (QGP) with jets, heavy flavor tagged jets and Upsilon production. The EMCal detector is an essential subsystem for these measurements. The Chinese sPHENIX EMCal Consortium includes groups from Fudan, PKU and CIAE. The Chinese Consortium plans to build the sPHENIX EMCal modules covering the pseudo-rapidity region of 0.8-1.1, approximately 20% of the EMCal modules. The extension of the pseudo-rapidity coverage can greatly enhance the physics capability for jets and Upsilon measurements. We will show the status of Chinese prototyping project including investigations on the quality of Tungsten powder from Chinese vendors and the quality assurance procedures under development. We will also report on the status of our development of an automatic fiber filing machine.