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## **Start-to-end simulation of the full energy linac injector for the Southern Advanced Photon Source**

*Tuesday, 9 May 2023 16:30 (2 hours)*

Southern Advanced Photon Source (SAPS) is a 3.5 GeV diffraction limited storage ring, being planned to be built near the site of the China Spallation Neutron Source (CSNS). Full energy Linac injector reserves the possibility of using the Linac for free electron laser application in a future upgrade. In this paper, the start-to-end simulation of the full energy Linac working on the ring injection mode are given.

### **Funding Agency**

### **Footnotes**

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Yes

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