

# Coherent Electron Cooling Demonstration Experiment at RHIC: NOW IN THE COMMISSIONING STAGE, PERFECT TIME TO JOIN

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#### Classical Coherent electron Cooling scheme



### Our PoP is based on an economic version of CeC: it limits strength of the wiggler $a_w$ to about 0.5 **but it is very cost effective**



Simulations by Tech-X



### Location – RHIC 02:00 Region





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# CeC Proof-of-Principle Experiment







**Coherent electron Cooling PoP** 

# The CeC system



#### **Common section with RHIC**





### **Panoramic views**



## **Panoramic views**



