

# Neutron Asymmetry Data Analysis Warm up - Status

Slide 1



**Nov. 29, 2018**



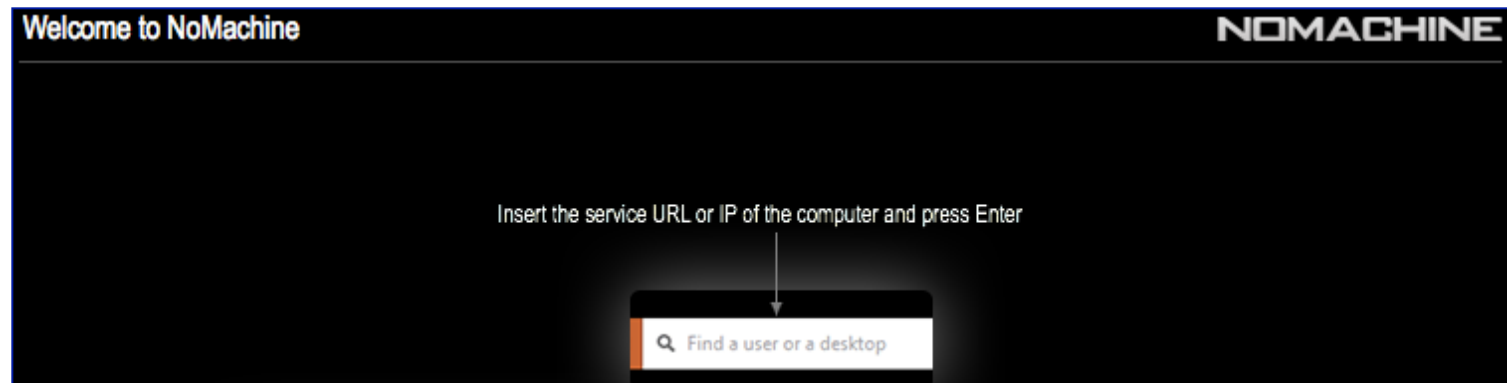
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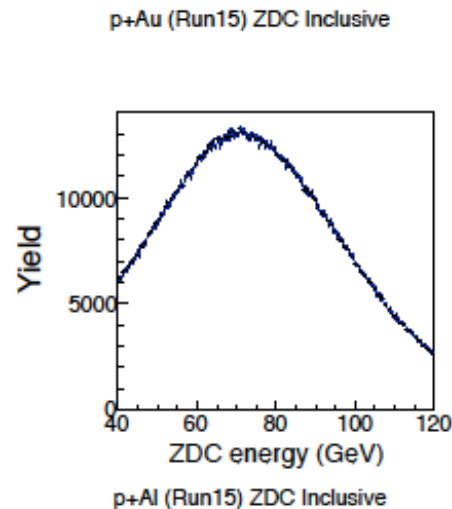
# Computing Environment Setup Status<sup>1</sup>

- ◎ Last Lab Meeting (2018.09.15) : Experienced problems with accessing ROOT properly. Display was not setup arising from x11 forwarding.
- ◎ Ralf Seidl (Dr) recommended troubleshooting x11 problems using:  
**ssh -X -t rssh.rhic.bnl.gov rterm -i** (to directly get to rcasxxx) and also checking, e.g.:  
**Host\* .bnl.gov**  
**ForwardX11 yes.**
- ◎ This suggestion was very helpful as it helped a lot in installing NoMachine through which ROOT display and x11 forwarding problems have now been resolved.



# Warm up Analysis Plan<sup>1</sup>

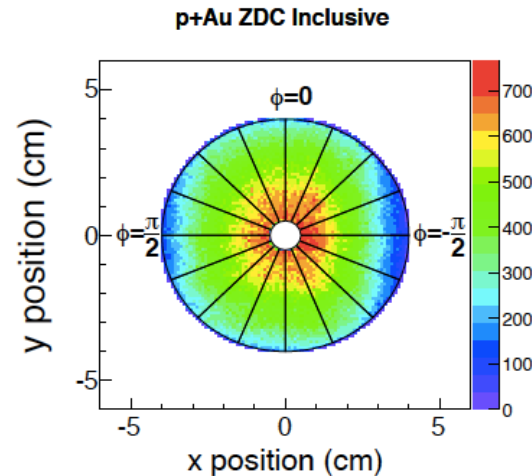
[1] Reproduce energy distributions for neutrons using p + Au data from run15.



*M. Kim, A. Bazilevsky, I. Nakagawa, D. Fields, Y. Goto and K. Tanida: Final result of single transverse spin asymmetries  $AN$  of forward neutron production in polarized  $p + p$ ,  $p + Al$ , and  $p + Au$  collisions at  $\sqrt{s_{NN}} = 200$  GeV*

# Warm up Analysis Plan<sup>2</sup>

[2] Reproduce x-y neutron distributions in p + Au collisions for asymmetry calculations .



*M. Kim, A. Bazilevsky, I. Nakagawa, D. Fields, Y. Goto and K. Tanida: Final result of single transverse spin asymmetries  $A_N$  of forward neutron production in polarized  $p + p$ ,  $p + Al$ , and  $p + Au$  collisions at  $\sqrt{s_{NN}} = 200$  GeV*

# Backup<sup>1</sup>

## Transverse Spin Asymmetry of Forward Neutron

