

Welcome to CFNS workshop

Open Questions in Photon-induced Interactions from Relativistic Nuclear Collisions to the Future Electron-Ion Collider

Wei Li¹, Bjoern Schenke², Kong Tu², and Thomas Ullrich²

1. Rice University

2. BNL

04. 26. 2021

Agenda

Day 1

	Welcome	<i>Prof. Wei Li et al.</i>
	Online	08:50 - 09:00
09:00	Photon-photon interactions at CMS experiment at the LHC	<i>Shuai Yang</i>
	Online	09:00 - 09:35
	Photon-photon interactions at ATLAS experiment at the LHC	<i>Peter Steinberg</i>
10:00	Online	09:35 - 10:10
	Coffee Break	
	Online	10:10 - 10:30
	Impact parameter dependence in UPCs - 1	<i>wangmei zha</i>
	Online	10:30 - 11:05
11:00	Impact parameter dependence in UPCs - 2	<i>Bowen Xiao</i>
	Online	11:05 - 11:40
	FLUKA	<i>Dr Alfredo Ferrari</i>
12:00	Online	11:40 - 12:15



Photon-photon

Day 2

09:00	Diffractive Vector Meson production at HERA	<i>Dr Sergey Levonian</i>
	Online	09:00 - 09:35
	Vector Meson Photoproduction in UPC at RHIC	<i>William Schmidke</i>
10:00	Online	09:35 - 10:10
	Vector Meson photoproduction in UPCs at the LHC	<i>Jesus Guillermo Contreras Nuno</i>
	Online	10:10 - 10:45
	Coffee Break	
11:00	Online	10:45 - 11:05
	Gluon shadowing in UPCs	<i>Vadim Guzey</i>
	Online	11:05 - 11:40
	Saturation model in UPCs	<i>Dr Heikki Mäntysaari</i>
12:00	Online	11:40 - 12:15
	Vector Meson production at Threshold - Theory	<i>Yoshitaka Hatta</i>
	Online	12:15 - 12:50



VM production

Day 3

Correlations and EIC



09:00	Experimental summary on collectivity in photon-induced interactions	<i>Zhenyu Chen</i>
	Online	09:00 - 09:35
	Azimuthal correlations in UPC at RHIC	<i>Daniel Brandenburg</i>
10:00	Online	09:35 - 10:10
	Azimuthal correlation in UPC - Theory	<i>Jian Zhou</i>
	Online	10:10 - 10:45
	Coffee Break	
11:00	Online	10:45 - 11:05
	Investigation on coherent J/psi production backgrounds in eA collisions at the EIC	<i>Wan Chang</i>
	Online	11:05 - 11:40
	Separating coherent and incoherent photoproduction in UPC and at the EIC	<i>Spencer Klein</i>
12:00	Online	11:40 - 12:15
	Summary and discussions	<i>Bjoern Schenke et al.</i>
	Online	12:15 - 12:50

Please upload your slides

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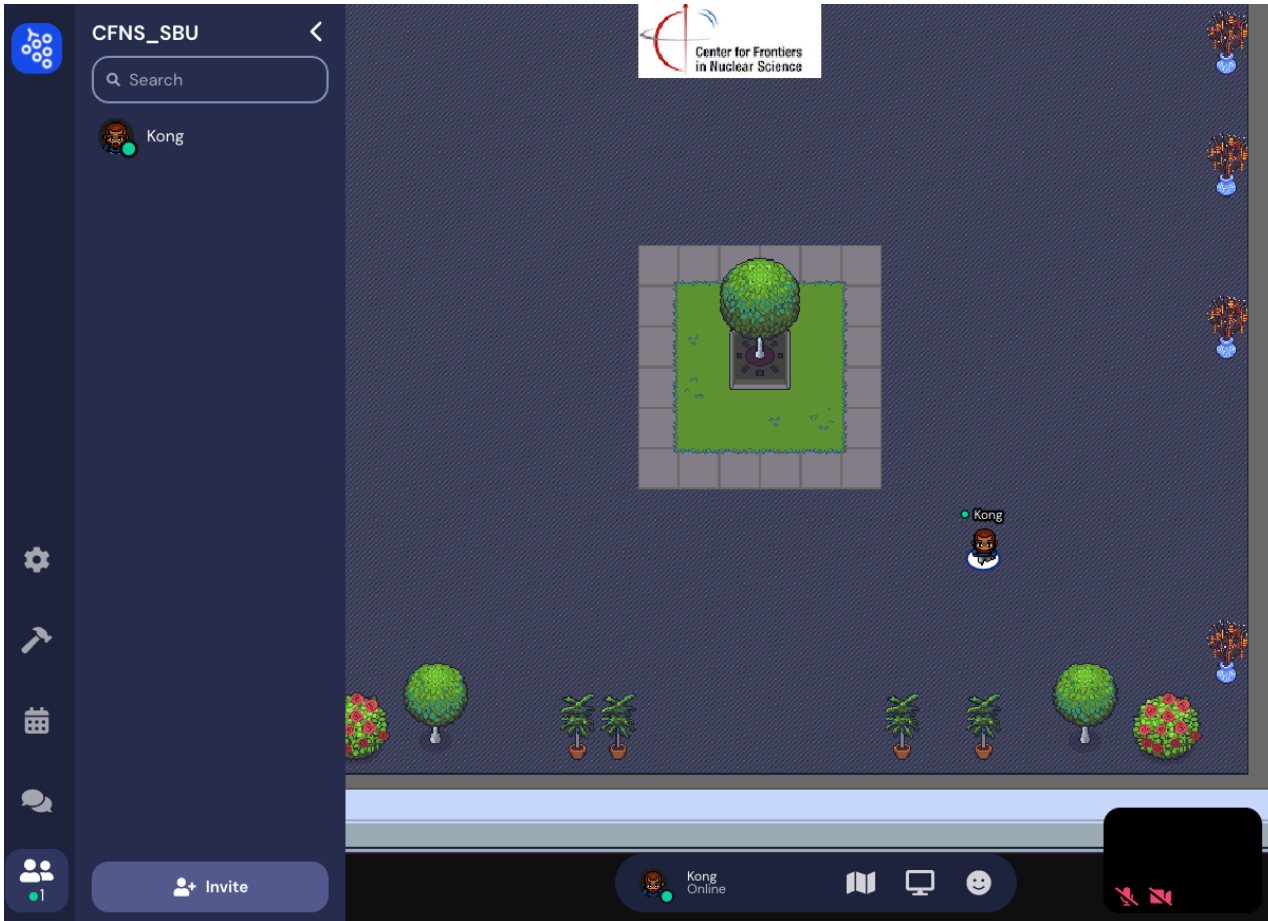
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Important links

- Indico page - <https://indico.bnl.gov/event/10155/overview>
- ZOOM link - <https://stonybrook.zoom.us/j/93093484970?pwd=RmpXMkhLYkU3bml2N3pyNlc5dy9QZz09>
- Gather Town - https://gather.town/app/GuK807f4PIhfb1b0/CFNS_SBU

Gather Town Coffee Break



- “Simulation” of reality of a workshop.
- People who are close to each other can talk, see each other, share screen, discuss...
- Lounge 1 and the Main room are both available.

Questions and comments?

- You can always email us - kongtu@bnl.gov, w133@rice.edu
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