

BULK DYNAMICS – HANDS-ON

SLACK: <u># JULY27-28-BULK-DYNAMICS</u>

INSTRUCTIONS: <u>ON GITHUB</u>

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JETSCAPE SUMMER SCHOOL 2022

HANDS-ON EXERCISES

Exercise	Collision system	Viscosities	Торіс	user XML file and Jupyter
#1	0-5% Au- Au@200 GeV	$\eta/s=0.15, \zeta/s(T)$	particle yields and spectra	config/jetscape_user_exercise_1.xml jupyter/exercise_1_particle_spectra.ipynb
#2	20-30% Pb- Pb@2.76 TeV	$\eta/s=0, \zeta/s=0$	evolution of flow and temperature	config/jetscape_user_exercise_2.xml jupyter/exercise_2_hydro_movie.ipynb
#3	20-30% Pb- Pb@2.76 TeV	$\eta/s=0.15, \zeta/s=0$	effects of shear viscosity	config/jetscape_user_exercise_3.xml jupyter/exercise_3_shear_viscosity.ipynb
#4	20-30% Pb- Pb@2.76 TeV	$\eta/s=0, \zeta/s(T)$	effects of bulk viscosity	config/jetscape_user_exercise_4.xml jupyter/exercise_4_particle_pT.ipynb
#5	Au-Au & Pb- Pb	$\eta/s(T), \zeta/s(T)$	multi-dimensional parameter space	JETSCAPE SIMS widget

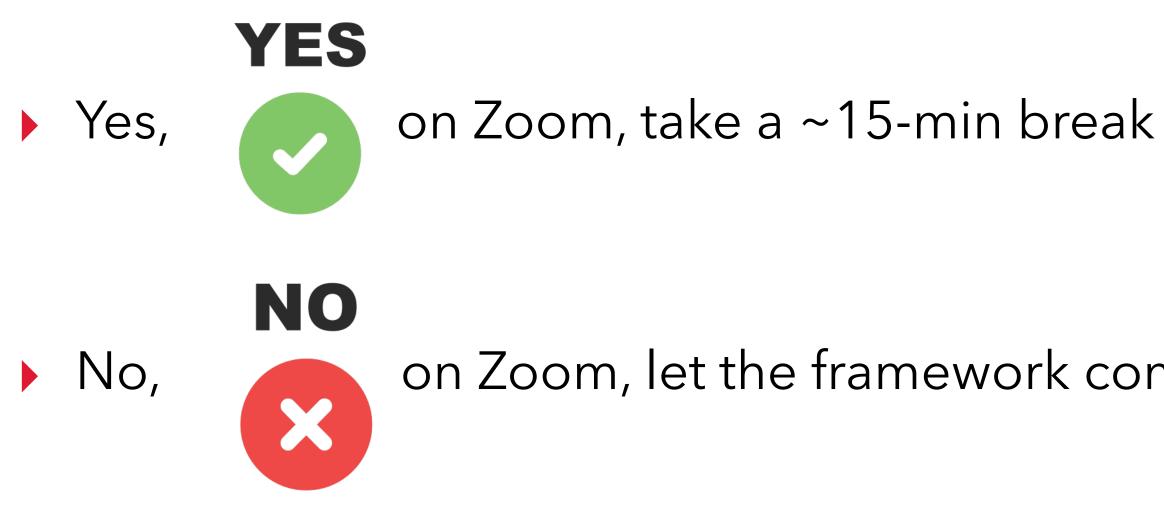
Day 1

Day 2

QUICK POLL

Have you built the framework with freestream, MUSIC and iSS on?

cd ~/JETSCAPE mkdir -p build cd build cmake .. -DUSE_MUSIC=ON -DUSE_ISS=ON -DUSE_FREESTREAM=ON make -j4



on Zoom, let the framework compile and take a break