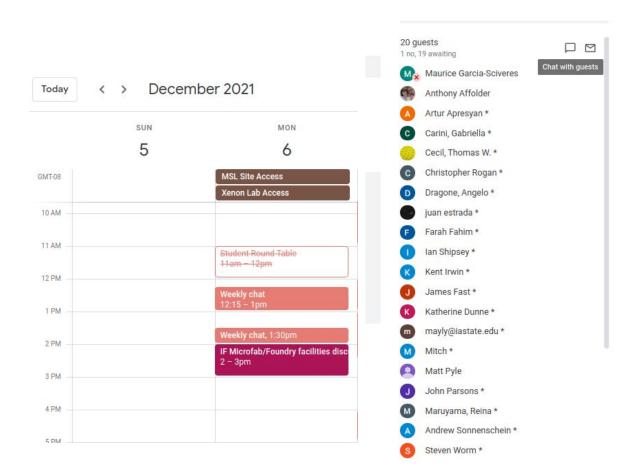
IF9 Workshops being planned for November/December

- Foundries and foundry access Maurice
- Calibration & Test beams and irradiation facilities Ian
- Facilities for unique environments Jim
 - Low environmental noise
 - Cryogenic facilities (LAr to mK)
 - Low-background LOIs will be covered by Underground Facilities working group

Microfabrication/Founrdy Facilities "Workshop"



On IF calendar, additionally with explicit guest list but all welcome to join

Not really a workshop yet, just a first meeting to see if we have/ want one or more white papers on this topic

Will prepare a guided discussion

Dates Tuesday Nov 30 & Wednesday Dec 1 Time 1200-1500 EDT each day Day 1 The needs of the Energy Frontier Caterina Vernieri & Maksym Titov (coordinators) 1 hour

Snowmass Workshop on Calibration and Test Beams and Irradiation Facilities

The needs of the Rare and Precision Frontier Marina Artuso & Bob Bernstein (coordinators) 1 hour Day 2

Test Beams worldwide Henric Wilkens (CERN) 15' Irradiation Facilities Worldwide Federico Ravotti (CERN) 15' Lol 154 A 50 ton water Cherenkov test platform in a charged particle test beam Mark Hartz (TRIUMF) (20') Lol 277 New Test Beam Facility at Fermilab Evan Niner (FNAL) (20') Lol 279 High intensity proton irradiation facility Petra Merkel (FNAL) (20')

Lol 278 Linac to End Station A (LESA) as an electron test beam Natalia Toro (20') Test Beams at BNL Mark Palmer 15' NSRL @ BNL Mike Sivertz 15'

The needs of the Neutrino Frontier Kate Scholberg (coordinator)

Test Beams & Irradiation Facilities @LBNL Timon Heim 15'

Needs and Capabilities

1 hour

White Papers 1 - Facilities

	Facilities - Foundries				
72	IF2_IF9-017.pdf	christopher.leitz@ll.mit.edu	Large-format Germanium detectors		
243	IF6_IF9_Kevin_Ryu-037.pdf	kevin.ryu@ll.mit.edu	Superconducting detectors for high energy physics		
280	IF9 IF0 Dan Pulver-022.pdf	MEL.Director@ll.mit.edu	Device processing		
<u>115</u>	https://www.snowmass21.org/docs/files/summaries/IF/SNOWMA SS21-IF1_IF2-177.pdf	cecil@anl.gov	Superconducting Detector Facility for HEI		
	Facilities - Calibration and Test Beam				
154	IF2_IF9-NF10_NF6_Mark_Hartz-151.pdf	mhartz@triumf.ca	A 50 ton scale water Cherenkov test platform in a charged particle test beam		
277	IF9 IF0-AF0 AF0 Evan Niner-054.pdf	edniner@fnal.gov	New test beam facility at Fermilab		
278	IF9_IF0-AF0_AF0_Petra_Merkel-041.pdf	petra@fnal.gov	High intensity proton irradiation facility		
279	IF9 IF0-AF5 AF0 Natalia Toro-045.pdf	ntoro@slac.stanford.edu	Linac to End Station A (LESA) as an electron test beam		
	Facilities - Low Noise (Environmentally stable) and Low Temperature				
95	https://www.snowmass21.org/docs/files/summaries/IF/SNOWMA SS21-IF0_IF0_William_Terrano-087.pdf	Terrano	Highly Environmentally-Stable Facilities		
120	https://www.snowmass21.org/docs/files/summaries/IF/SNOWMA SS21-IF1_IF2-CF1_CF2_Hollister-155.pdf	Hollister	Establishment of a National Millikelvin User Facility		
273	IF8_IF9-042.pdf	czhang@bnl.gov	Investigations of fundamental parameters of liquid argon for particle detection		

White Papers 2 - Orphan Topics

	Coupling experiment and simulations				
<u>16</u>	CF1_CF0-NF5_NF0-RF4_RF0-AF5_Af0-IF9_IF0-052.pdf	shawest@princeton.edu	Neutron yield in (α, n) -reactions in rare-event searches		
124	IF1_IF9-CF1_CF2-UF2_UF5-124.pdf	dbowring@fnal.gov	Coupling experiment and simulation to model non-equilibrium quasiparticle dynamics in superconductors		
	Gravitation				
<u>63</u>	CF7_CF6-IF1_IF9_adhikari-063.pdf	rana@caltech.edu	LIGO Voyager A Gravitational-wave Probe of Cosmology and Dark Matter		
	Microwave and RF Technologies				
125	IF1 IF9-CF2 CF0 Gianpaolo Carosi-137.pdf	qu2@llnl.gov	Topological microwave circulators for HER applications		
256	IF7 IF9-CF2 CF4 Austin Minnich-117.pdf	aminnich@caltech.edu	Towards quantum-limited transistor microwave amplifiers		