



# 20th Advanced Accelerator Concepts Workshop

## Wednesday, November 9, 2022

### WGs 2+5 Joint Session: Session 1 of 1 - Salon C (1:30 PM - 3:00 PM)

-Conveners: David Bruhwiler; Alexey Arefiev; Yine Sun; Samuel Barber

time	[id] title	presenter
1:30 PM	[196] A Non-Invasive, Single-Shot Emittance Diagnostic, Using Edge-Radiation and a CNN Based Inference Model	WATT, Robbie
1:45 PM	[188] Experimental results for machine learning based diagnostics and optimization at FACET-II	EMMA, Claudio
2:00 PM	[35] Detailed Phase Space Reconstructions from Accelerator Beam Measurements Using Differentiable Simulations	ROUSSEL, Ryan
2:15 PM	[78] ADJOINT OPTIMIZATION OF CIRCULAR LATTICES	ANTONSEN, Thomas
2:30 PM	[255] Simulating electron beams in RF cavities with beam loading	Dr BRUHWILER, David
2:45 PM	Discussion	