

# ANALYSIS REPORT



Date: 2025-03-26 UTC-5

Project: Vibração de Solo - Braskem

Data interval: 2025-03-11 10:24:35 to 2025-03-11 10:25:35 UTC-3

Client: AGILE - BRASKEM

Location: Maceió - AL

Notes:

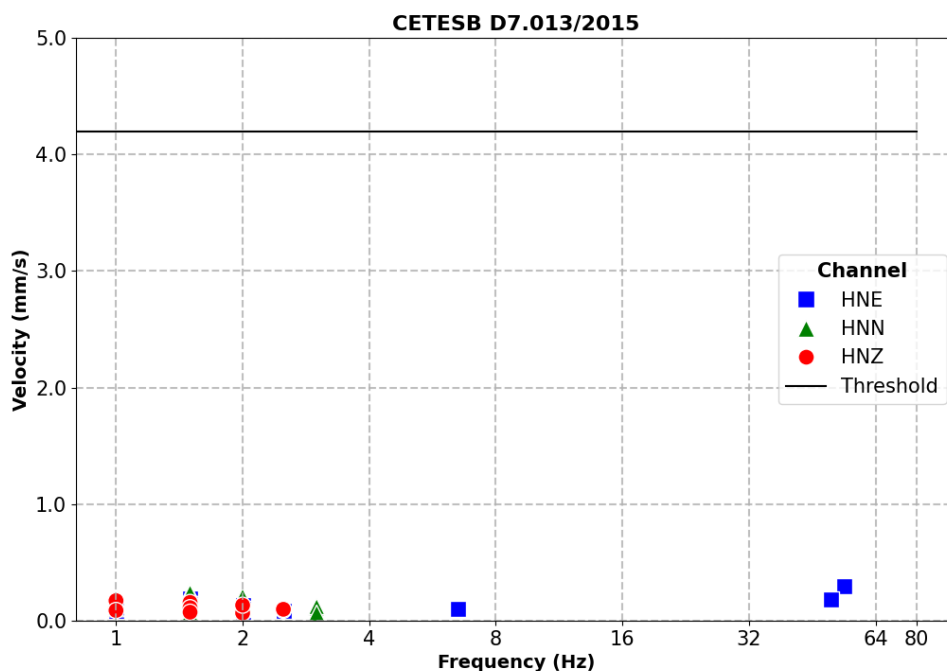
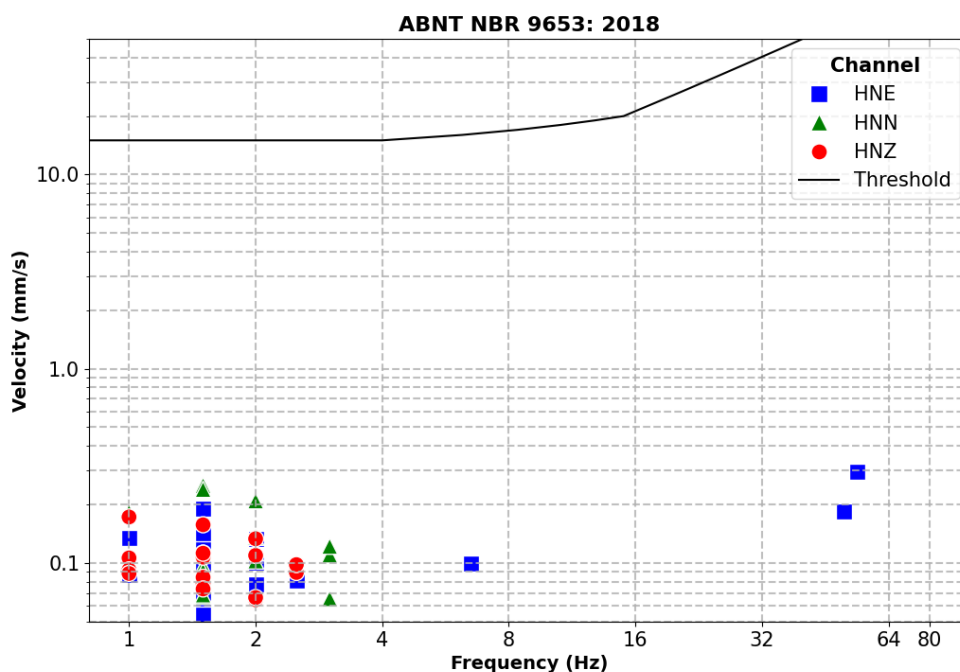
## Continuos Vibration Data

	HNE	HNN	HNZ
PPA (g)	0.053	0.023	0.008
PPV (mm/s)	0.295	0.25	0.172
PPD (mm)	0.06	0.061	0.052
FREQ (Hz)	54.0	1.5	1.0

Sample Rate: 250 Hz

Window Size: 3.0 seg

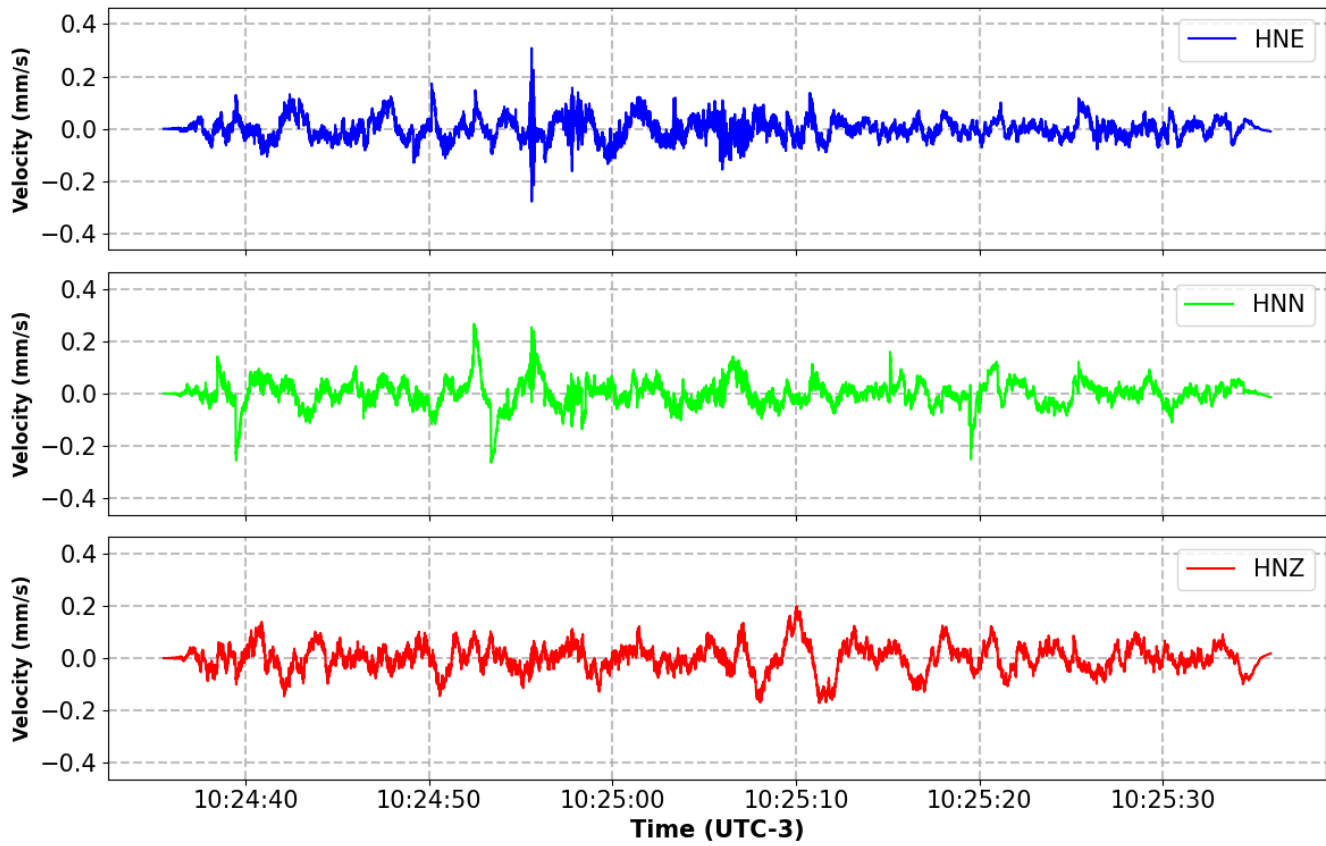
Serial: ME 379



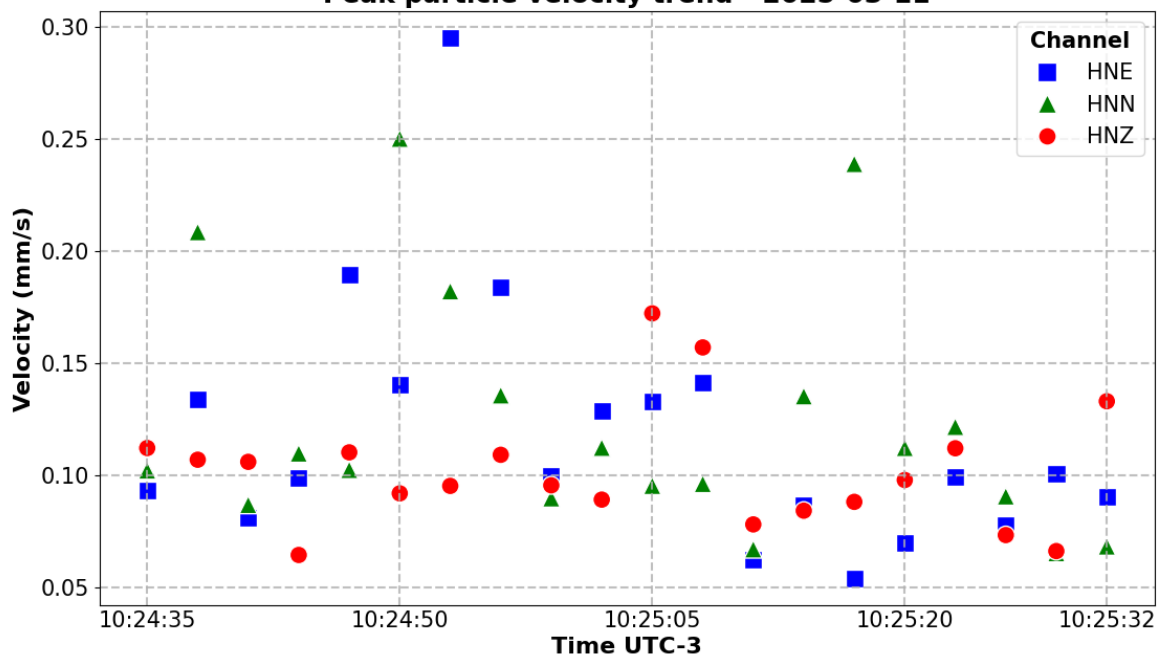
# PARTICLE VELOCITY ANALYSIS



Signals over time (velocity)



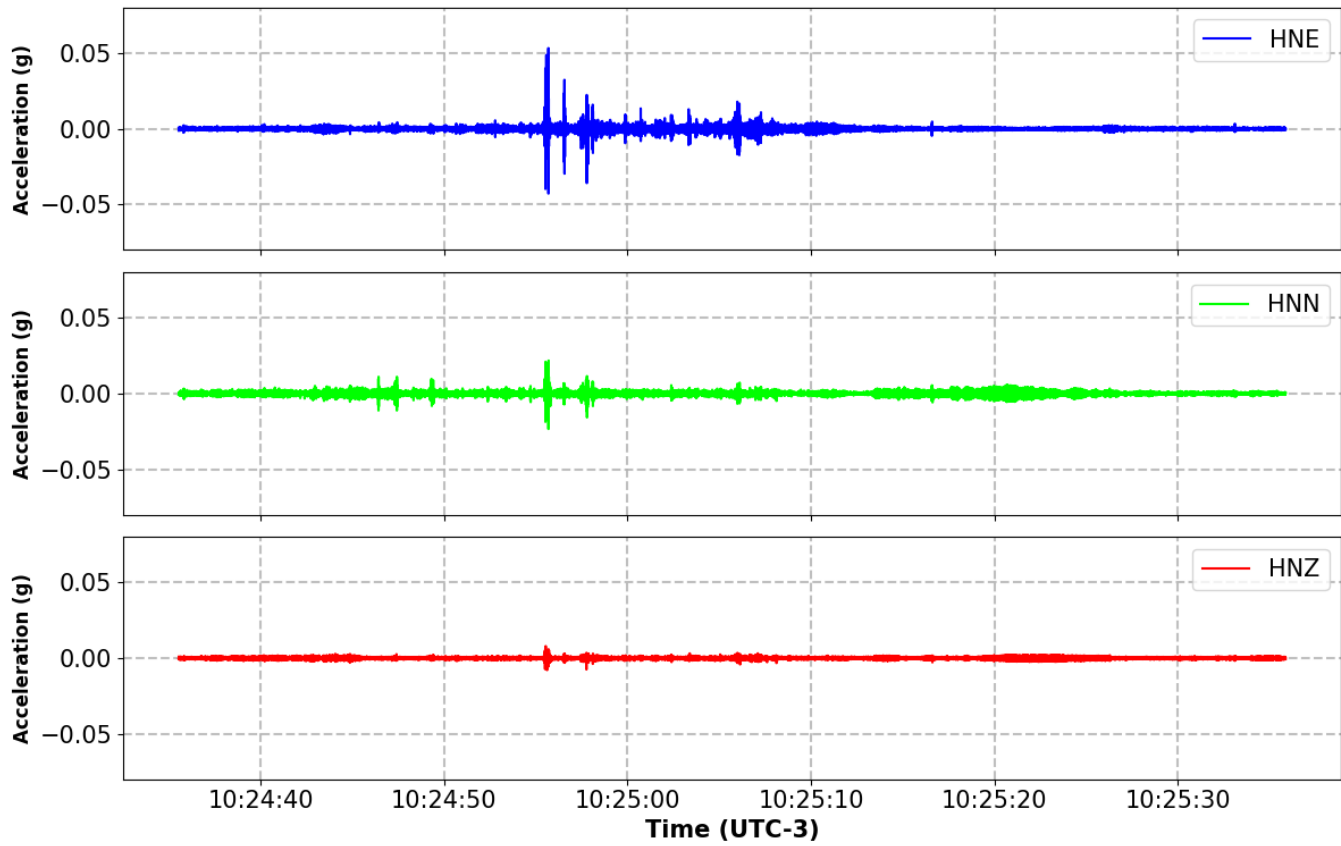
Peak particle velocity trend - 2025-03-11



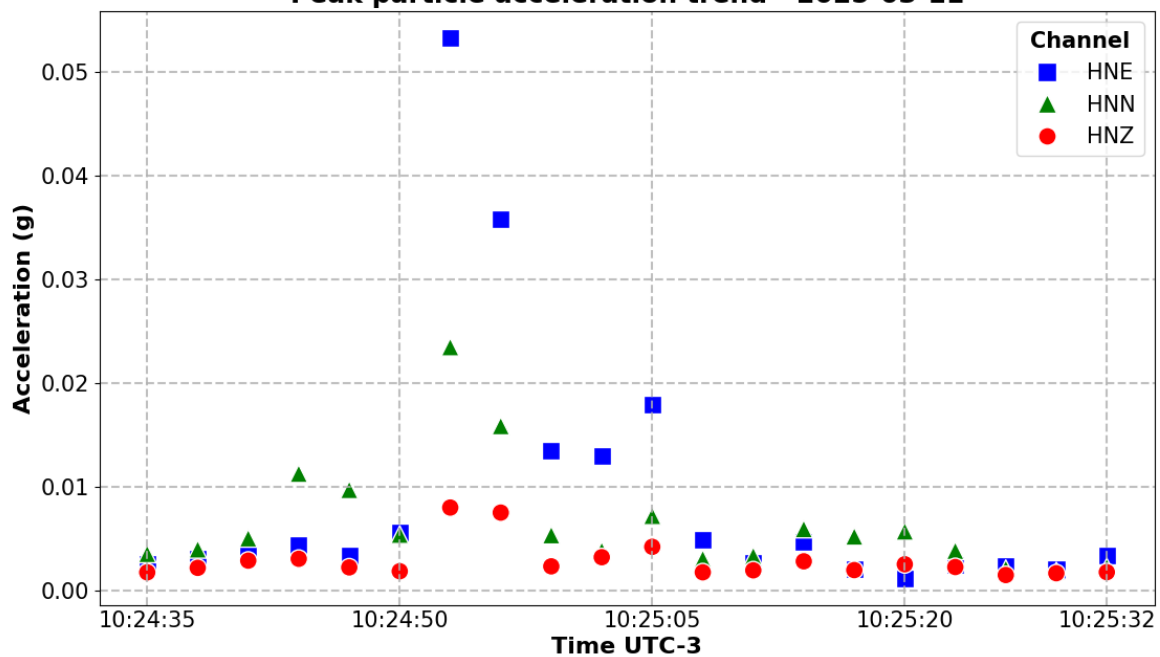
# PARTICLE ACCELERATION ANALYSIS



Signals over time (acceleration)



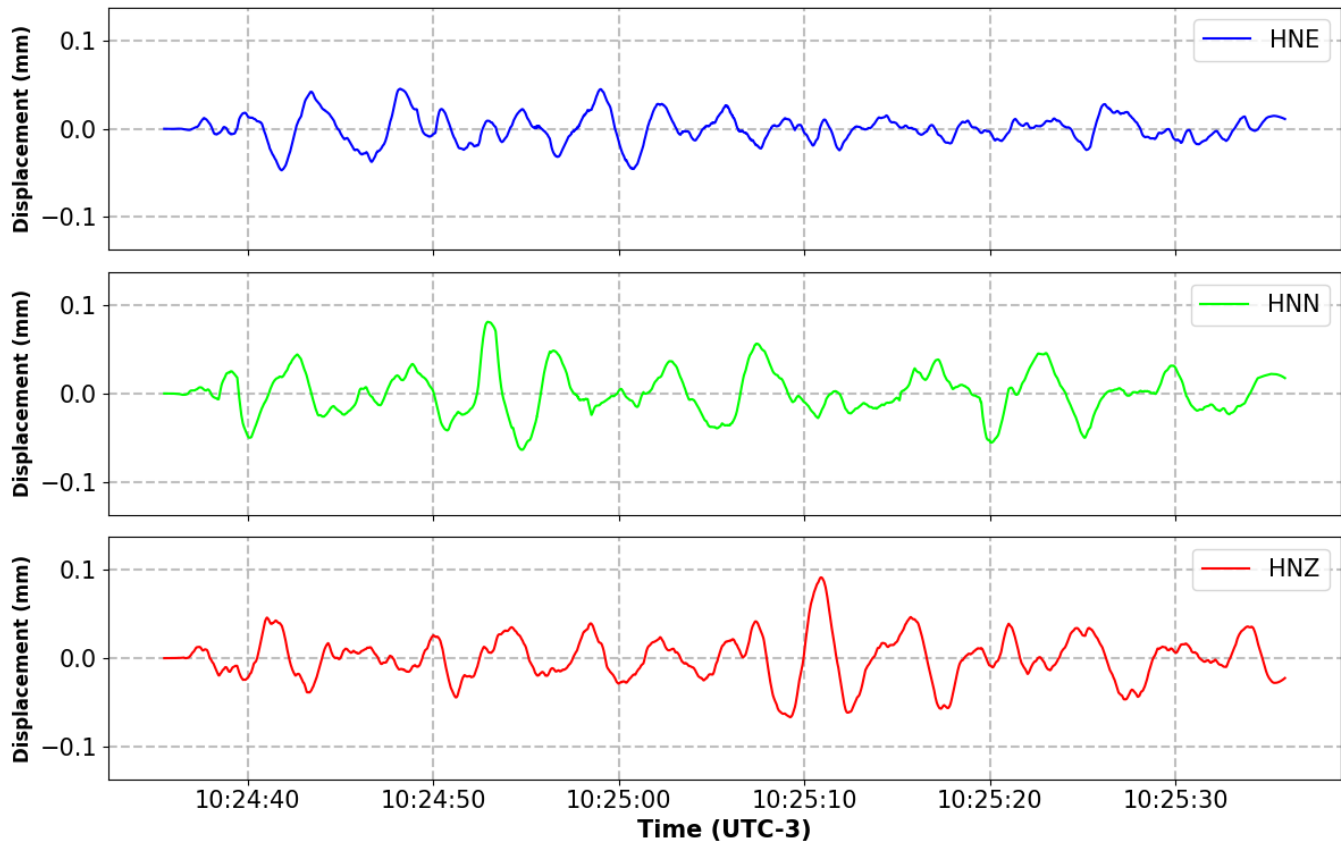
Peak particle acceleration trend - 2025-03-11



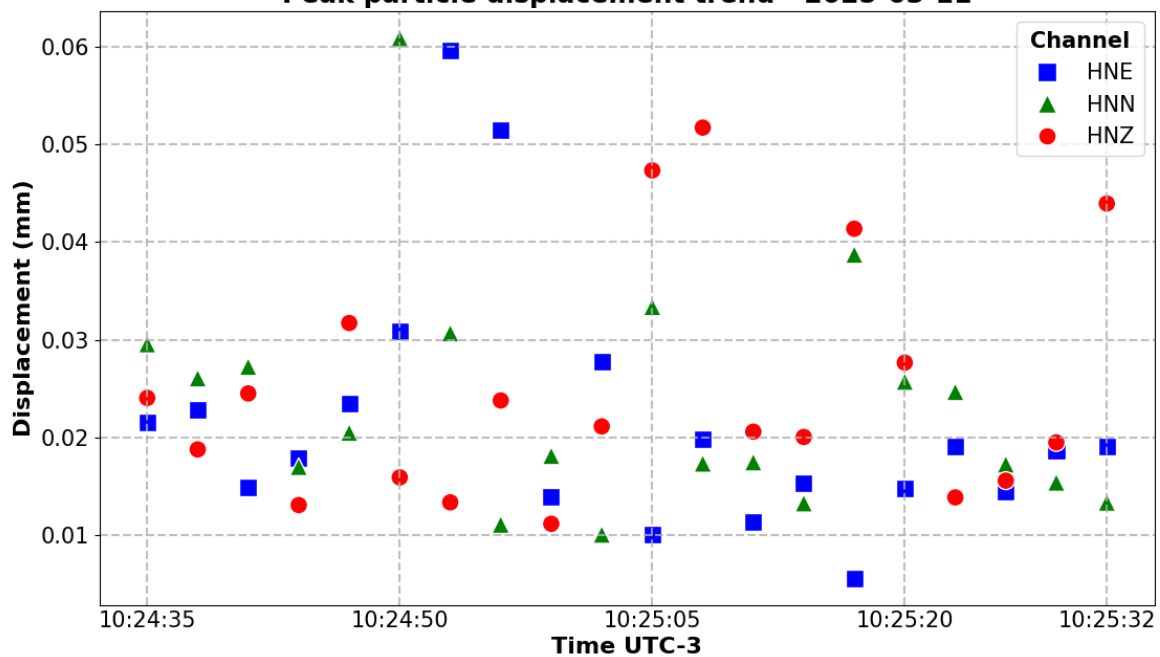
# PARTICLE DISPLACEMENT ANALYSIS



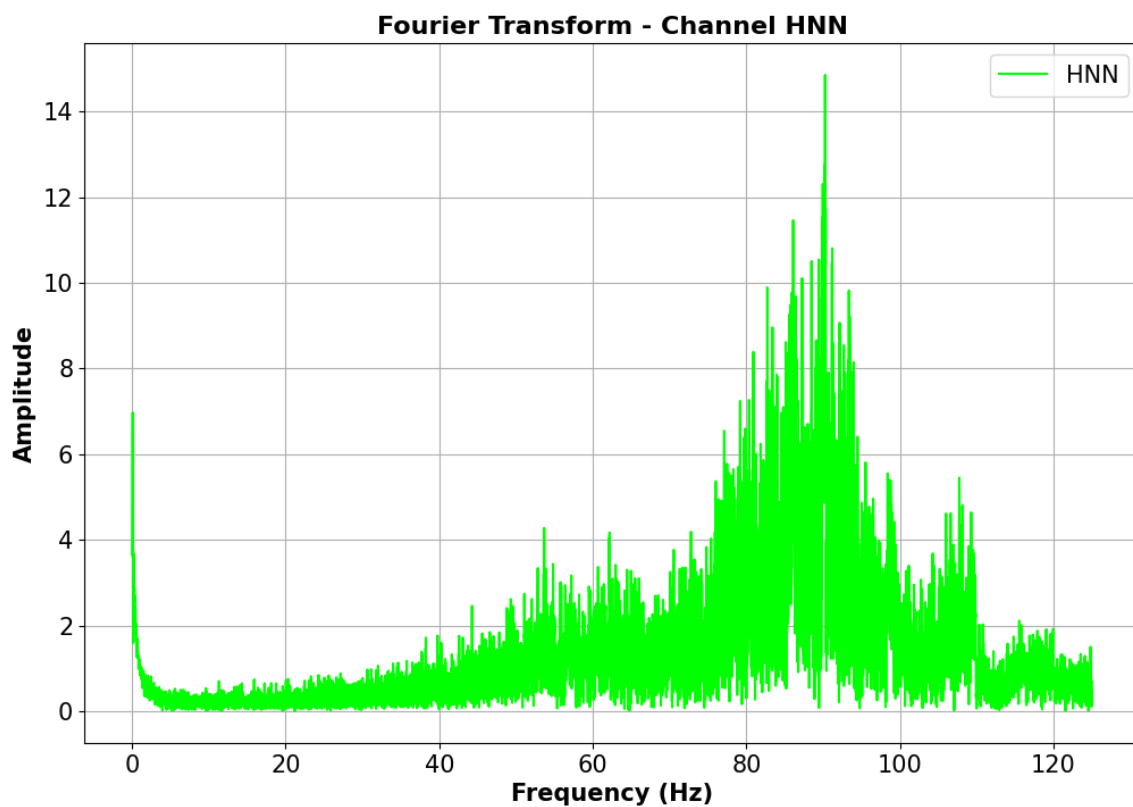
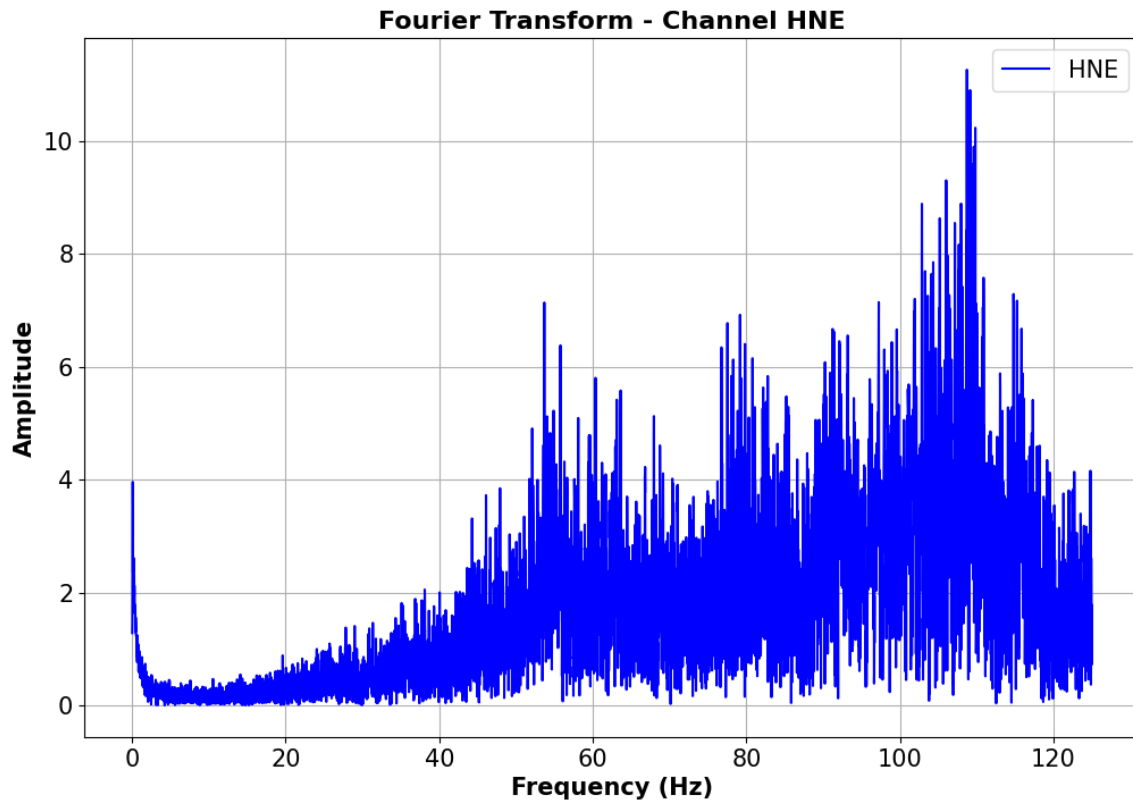
Signals over time (displacement)



Peak particle displacement trend - 2025-03-11



# FAST FOURIER TRANSFORM (FFT)



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