

# ANALYSIS REPORT

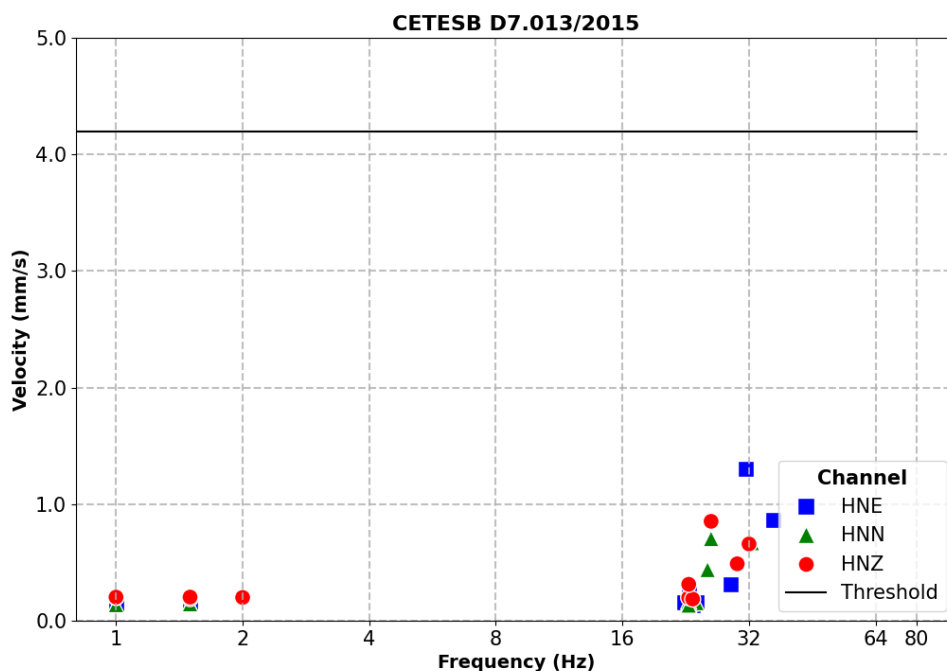
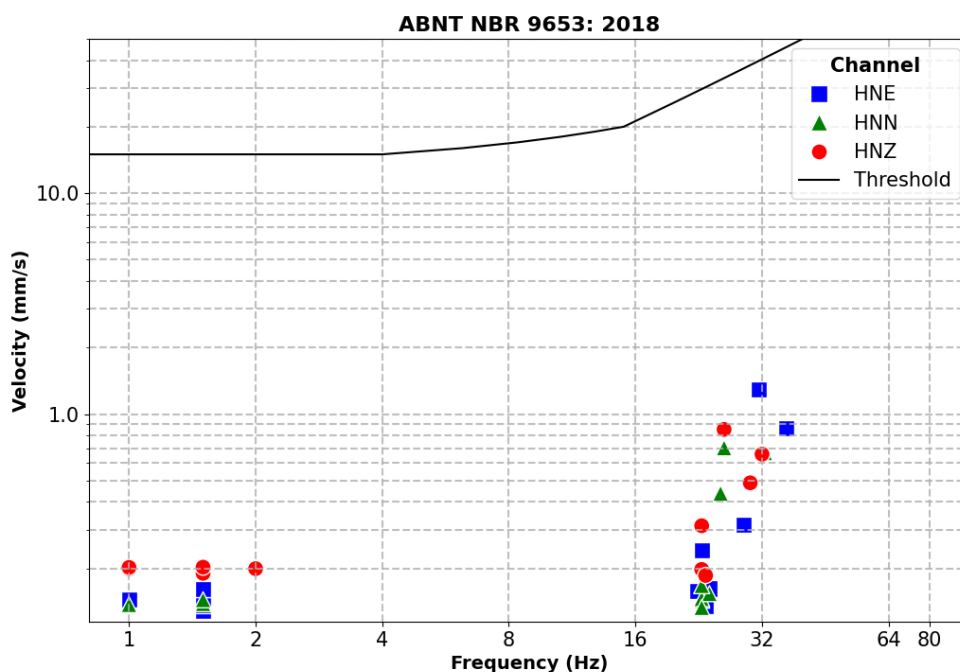


**Date:** 2025-03-26 UTC-5  
**Project:** Vibração de Solo - Braskem  
**Data interval:** 2025-01-07 15:00:00 to 2025-01-07 16:00:00 UTC-3  
**Client:** AGILE - BRASKEM  
**Location:** Maceió - AL  
**Notes:**

## Continuos Vibration Data

	HNE	HNN	HNZ
PPA (g)	0.078	0.073	0.045
PPV (mm/s)	1.3	0.704	0.853
PPD (mm)	0.067	0.072	0.128
FREQ (Hz)	31.5	26.0	26.0

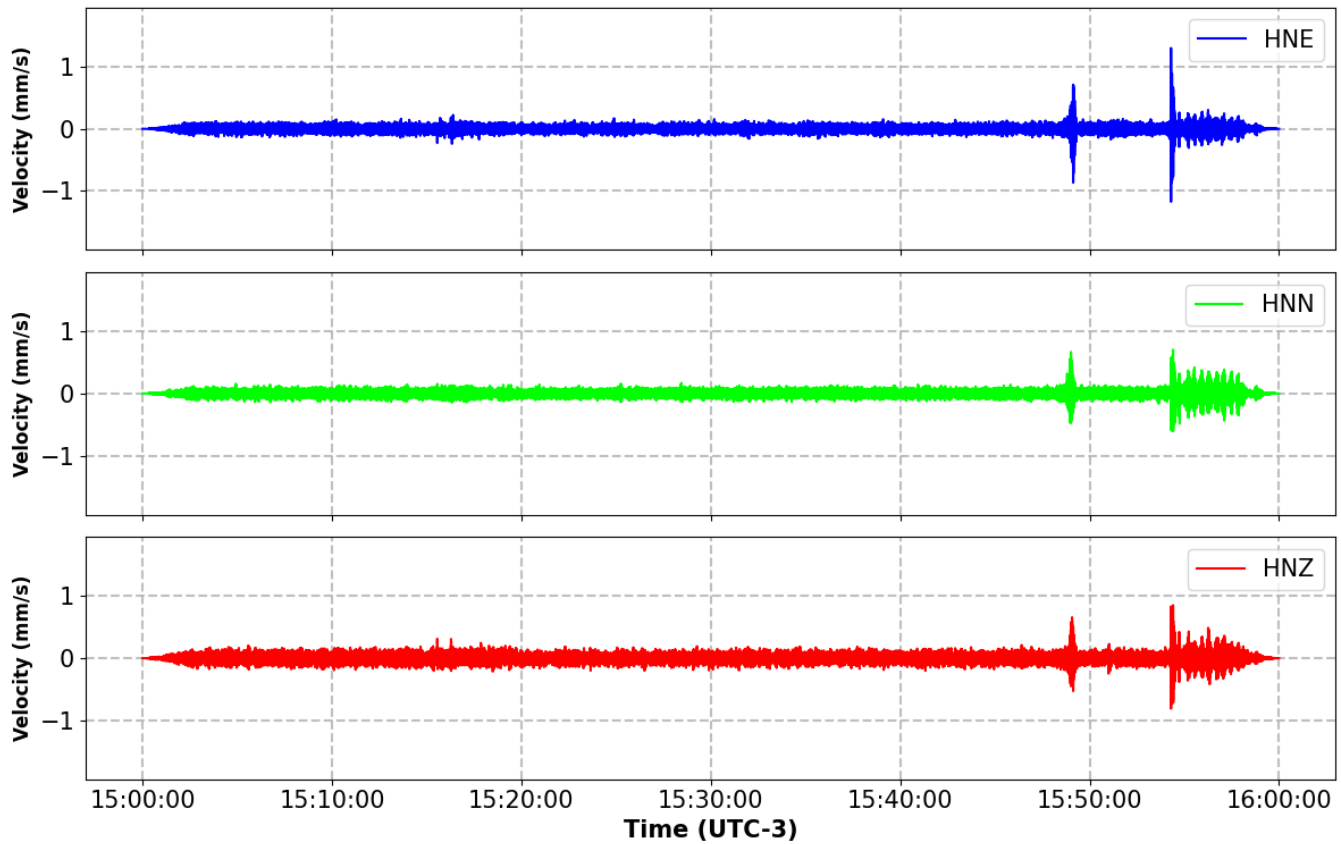
**Sample Rate:** 250 Hz  
**Window Size:** 5 min  
**Serial:** ME 379



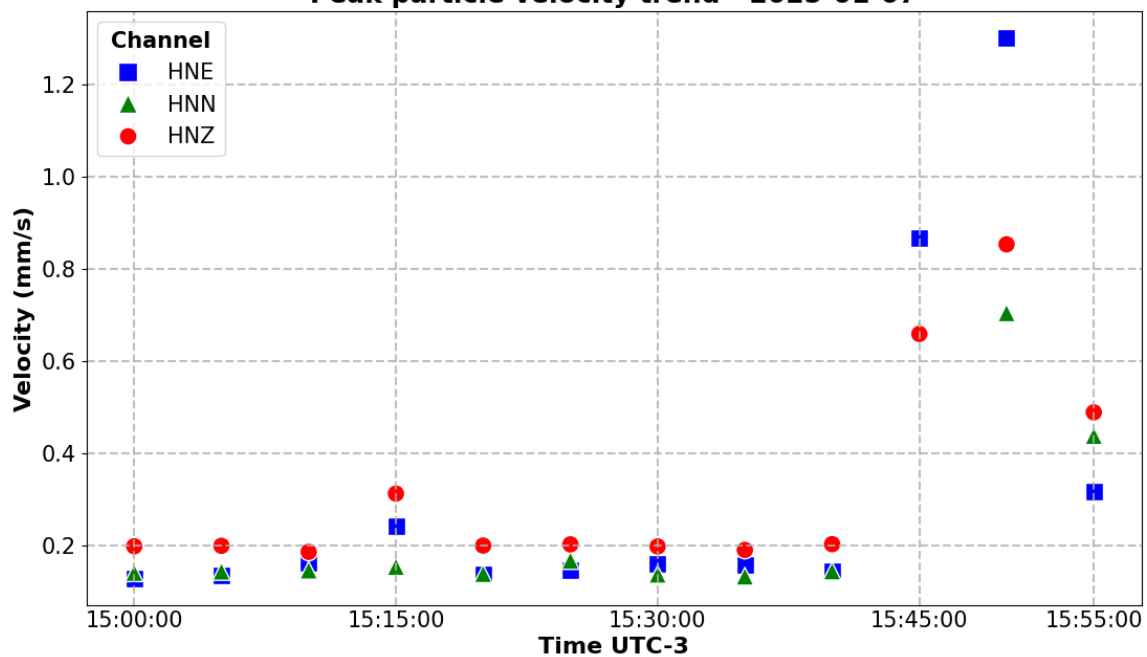
# PARTICLE VELOCITY ANALYSIS



Signals over time (velocity)



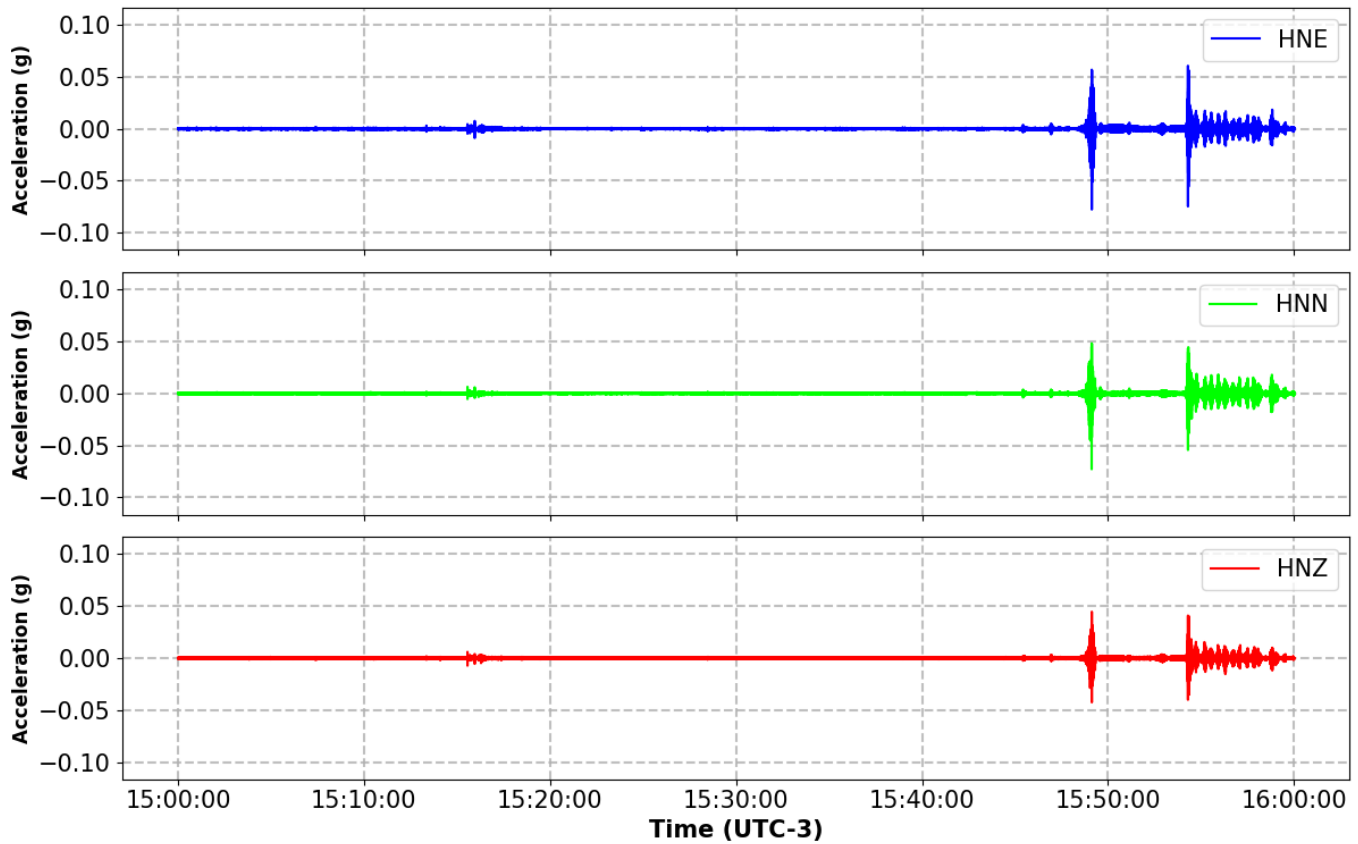
Peak particle velocity trend - 2025-01-07



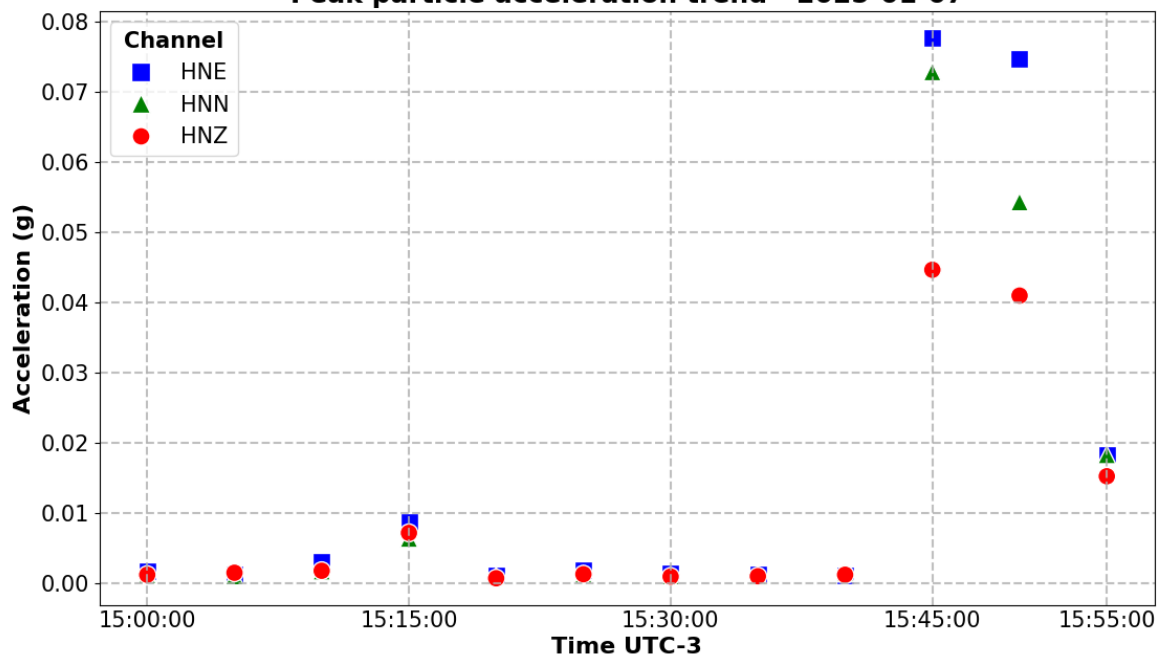
# PARTICLE ACCELERATION ANALYSIS



Signals over time (acceleration)



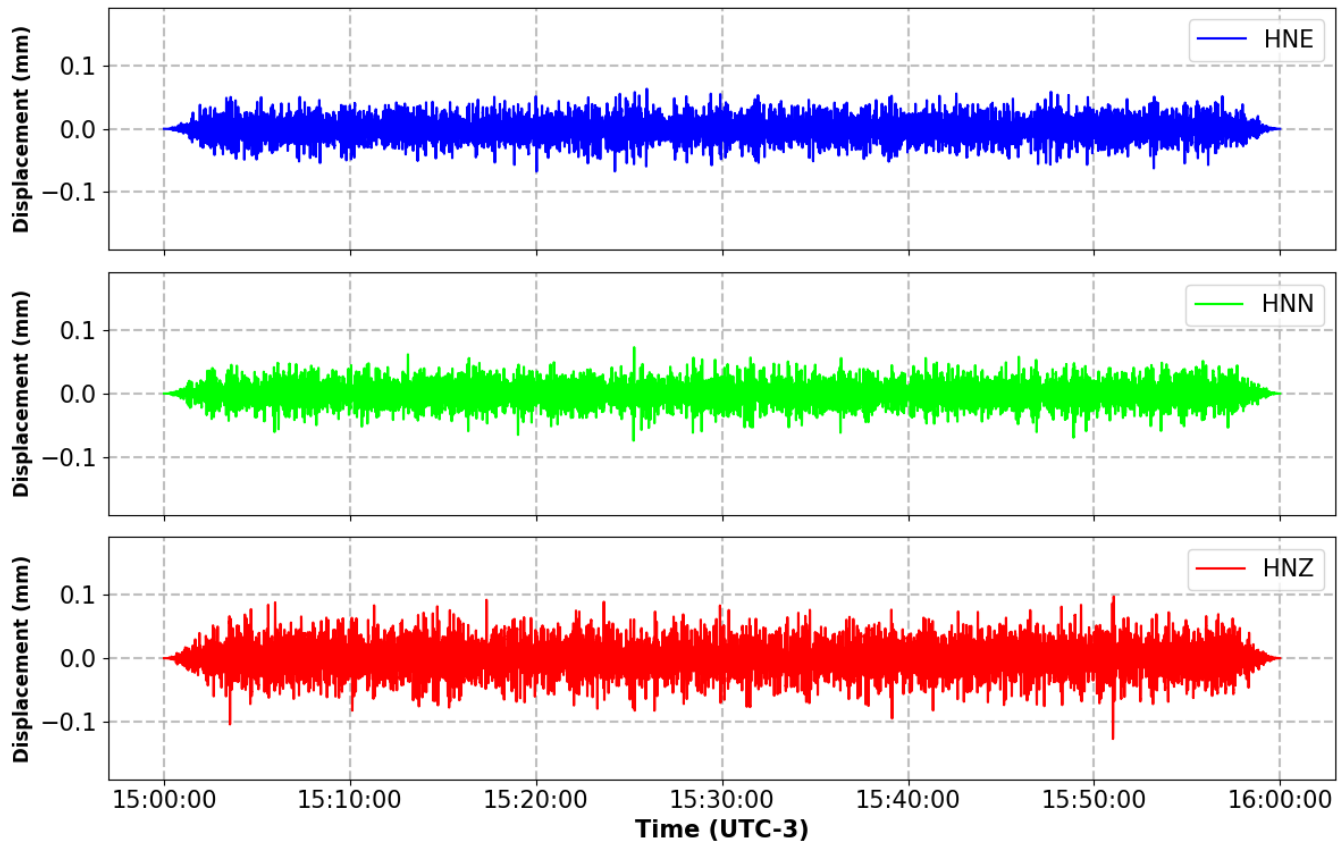
Peak particle acceleration trend - 2025-01-07



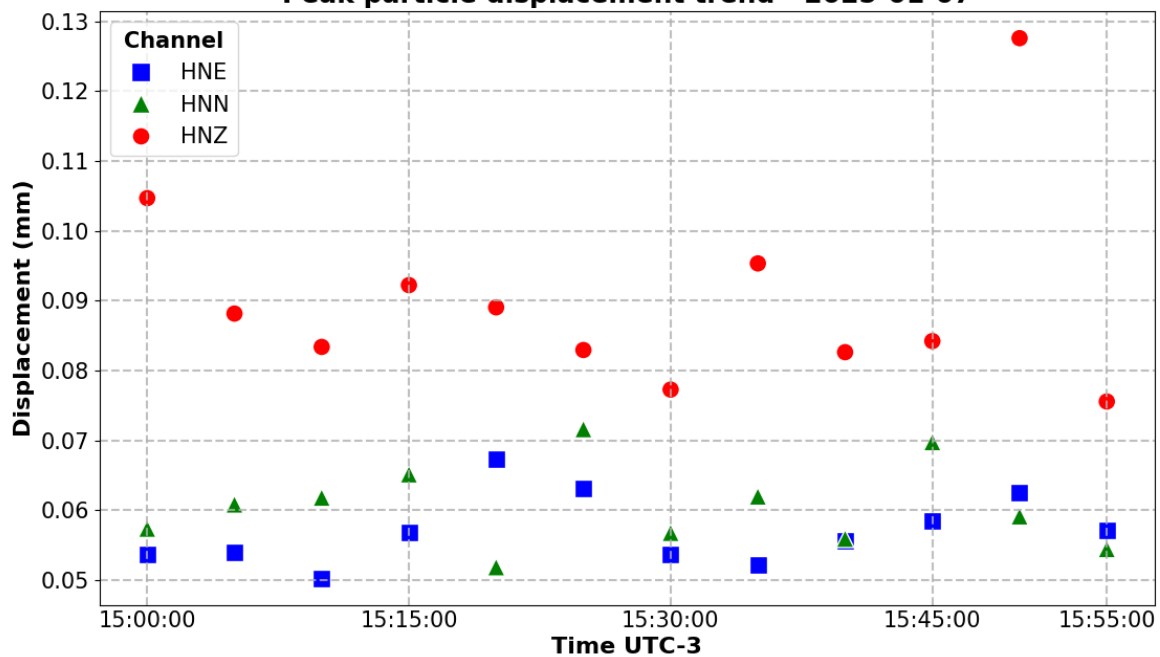
# PARTICLE DISPLACEMENT ANALYSIS



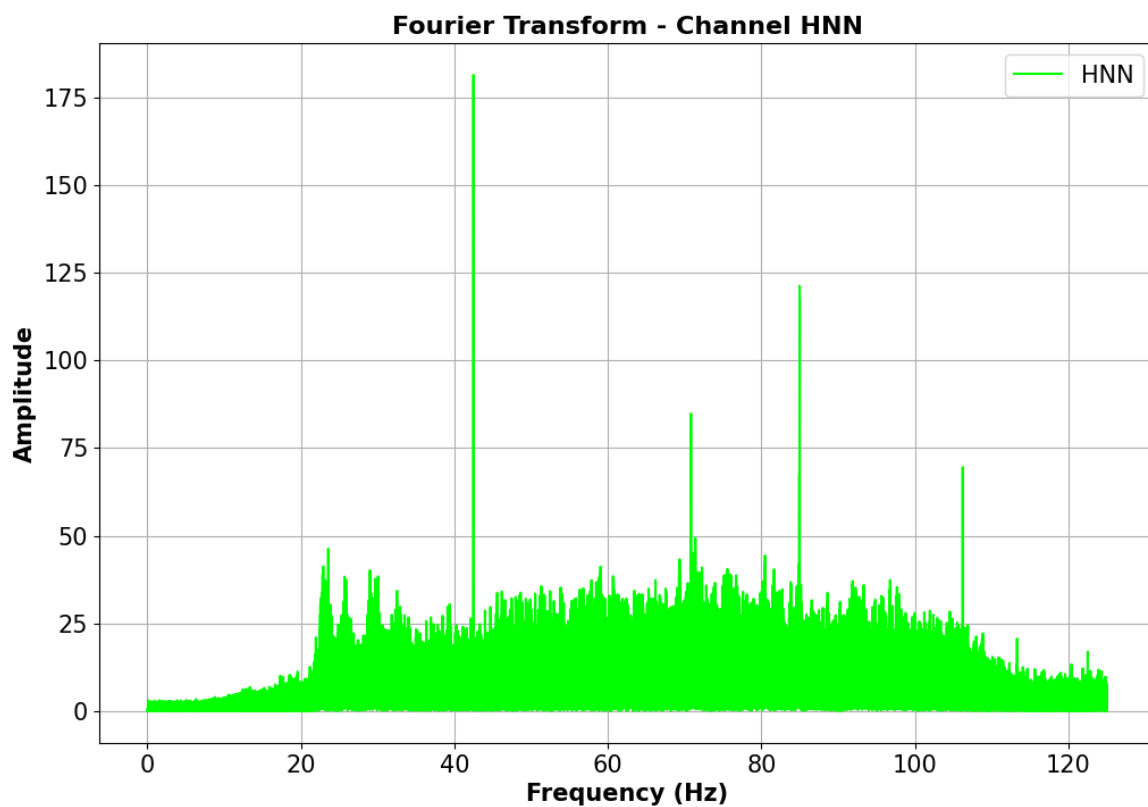
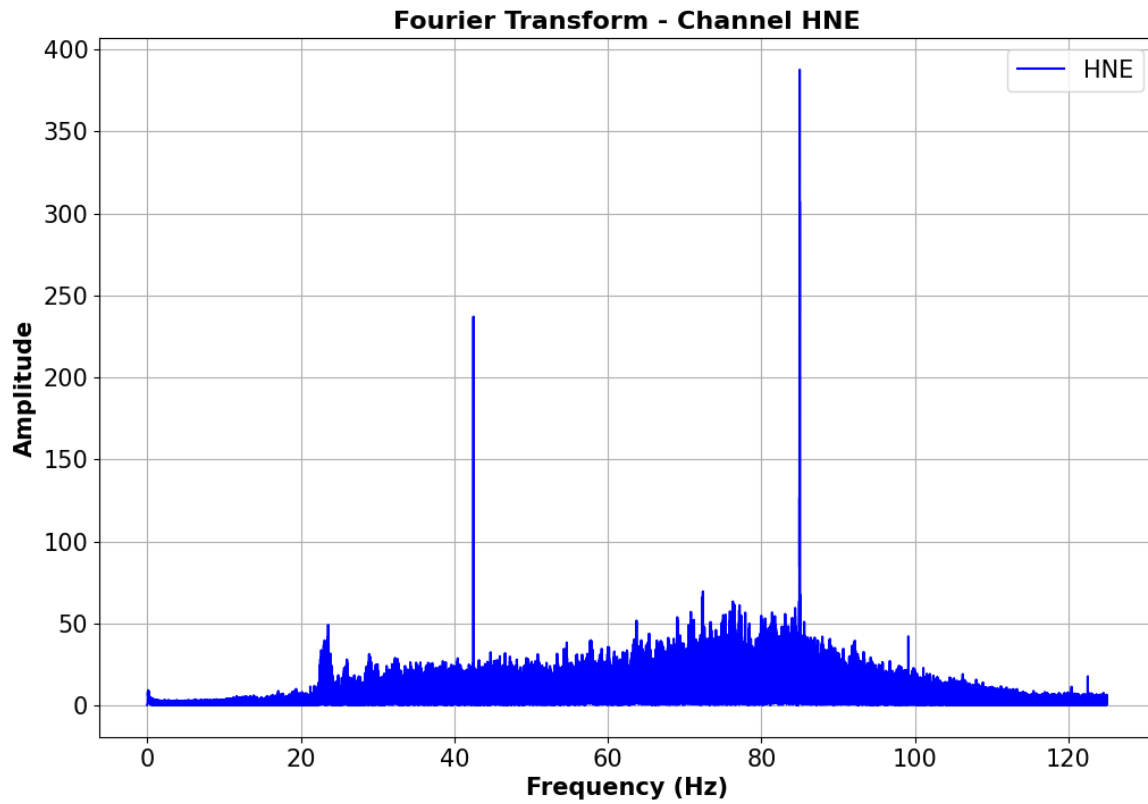
Signals over time (displacement)



Peak particle displacement trend - 2025-01-07



# FAST FOURIER TRANSFORM (FFT)



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