SnT 2025 CTBT: SCIENCE AND TECHNOLOGY CONFERENCE
8 SEPTEMBER ONLINE DAY
9 TO 12 SEPTEMBER AT HOFBURG PALACE, VIENNA & ONLINE

Acoustic Agglomeration of Aerosol Particles in Benefit of RASA 2.0

LIGHTNING TALK

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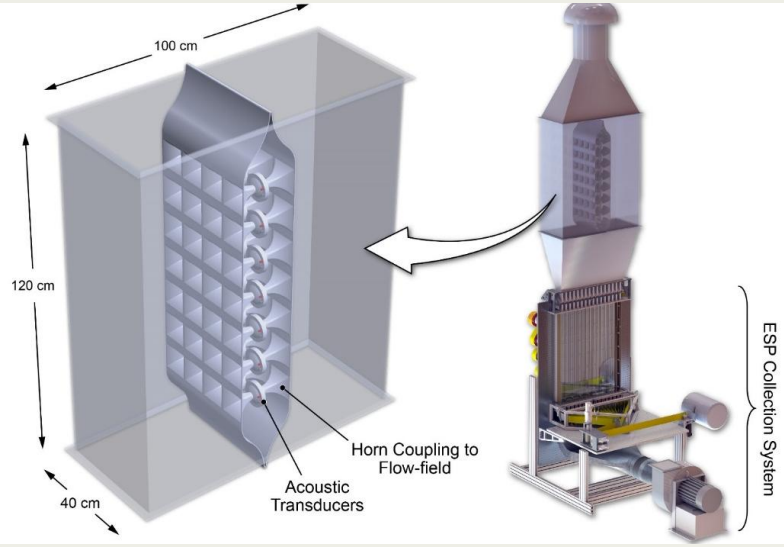
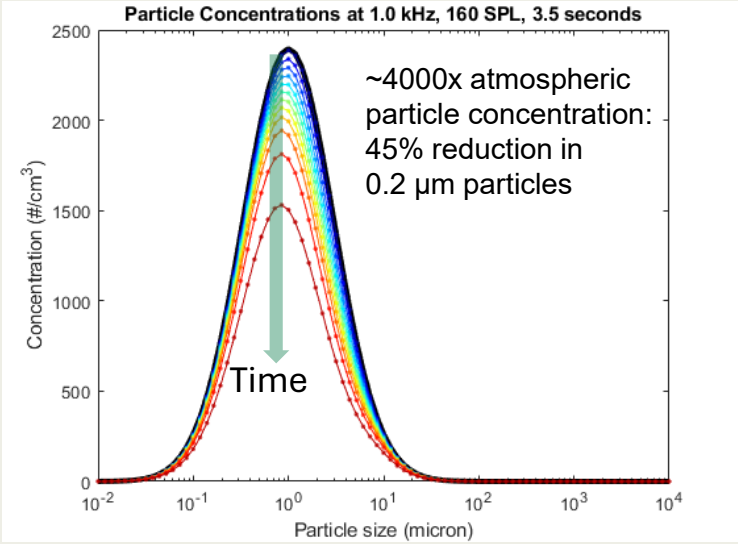
- Improve Aerosol Collection Systems for the IMS by using Acoustic Agglomeration.
- Goal is to agglomerate small (0.2 μm) particles to larger particles by using high sound pressure levels in a flow field before entering a collection system.
- Extensive modelling (physics/equation based, FEA and CFD) including:
  - Orthokinetic, acoustic wake, particle collection efficiency, population balance, Brownian motion and van der Waals forces.





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