

Contribution ID: 3834 Type: Oral Competition (Graduate Student) / Compétition orale (Étudiant(e) du 2e ou 3e cycle)

## (G\*) The pendant drop experiment for aggregates of adhesive granular particles

Monday 19 June 2023 15:00 (15 minutes)

Classical experiments, typically performed using bulk continuous matter can be applied for granular systems to better understand their properties, and explore the analogies between granular and bulk continuous systems. While the classic pendant drop experiment can be

used to measure the interfacial tension between fluids, here we perform the granular version of the pendant drop experiment. The system consists of aggregates of adhesive, monodisperse, frictionless oil droplets in an aqueous solution. Depending on the system parameters, the properties of aggregates resemble both liquid-like and solid-like systems.

## **Keyword-1**

granular material

## **Keyword-2**

pendant drop

## Keyword-3

colloids

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Session Classification: (DCMMP) M2-7 Soft condensed matter I | Matière condensée molle I (DPMCM)

**Track Classification:** Technical Sessions / Sessions techniques: Condensed Matter and Materials Physics / Physique de la matière condensée et matériaux (DCMMP-DPMCM)