

## Charlelie Laurent

Postdoctoral Scholar, Mechanical Engineering

### Bio

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#### STANFORD ADVISORS

- Parviz Moin, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **A physics-informed machine learning model for the prediction of drop breakup in two-phase flows** *INTERNATIONAL JOURNAL OF MULTIPHASE FLOW*  
Cundy, C., Mirjalili, S., Laurent, C., Ermon, S., Iaccarino, G., Mani, A.  
2024; 180
- **Ensemble predictions of laser ignition with a hybrid stochastic physics-embedded deep-learning framework** *PROCEEDINGS OF THE COMBUSTION INSTITUTE*  
Chung, W., Laurent, C., Passiatore, D., Ihme, M.  
2024; 40 (1-4)