**Evaluation: LSTM PINN NLL** 0.050 0.025 0.000 -0.025 Truth -0.050Prediction -0.0752021 2022 2023 2025 2020 2024 0 -1**Cumulative Truth -**2 **Cumulative Prediction** 2020 2021 2022 2023 2024 2025 HV60 0.6 Inferred Volatility 0.4 0.2 2022 2025 2023 2024 2020 2021 Remain Noise 0.050 0.025 0.000 -0.025-0.050-0.0752020 2021 2022 2025 2023 2024