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Skin-stringer interface failure investigation of stringer-stiffened curved composite panels under hail ice impact

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Highlights

- Experiments on stringer-stiffened curved composite panels under impact of hail ice has been conducted.
- The failure modes of the panel are varied when impact sites and impact velocities changed.
- FEM analysis has been employed to reveal the failure mechanism of the composites panel.
- The relationship between impact velocity and delamination area has been studied.

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