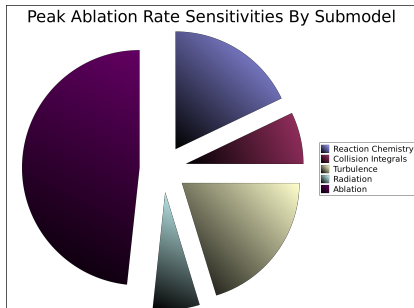
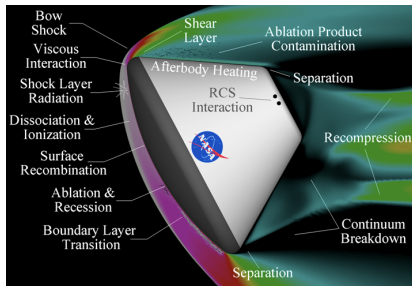


# Full System, Uncertainties

- High enthalpy aerothermochemistry, hypersonic flow



- Submodel uncertainties (turbulence, nitridation, kinetics)
- Numerical limitations (discretization, UQ error)
- Modeling unknowns (missing/wrong physics?)