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… intead of an LoI … contribution to Snowmass AF7 RF Innovative Design and Modeling

RF computations: Needs in performance, capability, and optimization

with the outline:

Existing capabilities
  Simultaneous mode solves
  Large systems
Performance needs
  Fast (GPU) mode solvers
  Complex (computationally large) mode solves
Capability needs
  multiphysics calculations
  accurate surface fields
  fast multipacting
  multiphysics
Optimization needs
  Multi-launch