Beam Dump Summary

• BDS Baseline:
  – Main beam dumps based on water vortex scheme rated for 18MW beam.
  – Common e+/e- and γ dump for 20mrad
  – Separate γ dump for 2mrad
  – Separate beam dumps rated for full power for all beamlines (total six beam dumps).
  – Undisrupted beam size increased by distance.

• Baseline R&D:
  – Prototype and tests of beam dump window?

• Option and Option R&D
  – Elliptical wide window
  – Gas beam dump (1km of Ar in Fe)
  – Beam sweeping and/or graphite rod to increase undisrupted beam size.
Beam Dump Summary

• Other dumps not clearly defined: