L0 Bandwidth Division Plans

- Status at present:
  - all code written in FORTRAN (inherited from Claire)
  - Latest results presented with LHCb-classic setup
  - Used AXSEL package for selection of B's
  - Study performed with samples of

    Bd->π π

    Bd->J/$\Psi(\mu\mu)$ Ks

    Bd-> J/Ψ(ee) Ks

    Bd->D^0 K*
  - Difficult to use "as it is" because it uses old ntuples …

L0 Bandwidth Division Plans (II)

- Plans for the near future:
  - Get first estimate on the BW division with samples of Bd->$\pi\pi$ and Bs->J/Ψ ϕ + any other(s) available?
  - Use the best physics selections available …
  - Produce usual rate versus efficiency plots for various BW divisions scenarios

L0 Bandwidth Division Plans (III)

- Plans in the longer run:
  - Include other channels: Bs->Ds K, Bd->K* γ , …
  - Identify the most relevant channels to take into account the e/h/μ triggers and the e/ μ/K tagging + the γ trigger
  - Re-write the code in C++ / "DaVinci-compatible" => easier to maintain