Hi Shyam,

yes, it is known that DPM doesn't produce a high level of kaons. You should better use some signal channels comprising more kaons (e.g. phi, D mesons, Lambda_c baryons, etc) at different energies and study the improvement in efficiency when adding your detector. Considering a variation of channels it important to check for different kinematic situations. Under

 https://subversion.gsi.de/trac/fairroot/browser/pandaroot/trunk/macro/so ftrig/decfiles
 https://subversion.gsi.de/trac/fairroot/browser/pandaroot/trunk/macro/so ftrig/decfiles/mode_codes_softtrigger.txt

you can find various EvtGen decay files we used for our trigger studies.

Best,
Klaus