

pfRICH Proposal Task Timeline

Topic 1: Occupancy studies

Deliverable: MC level particle occupancy study

Milestone: Make plots - done

Milestone: Finish accompanying text - Feb 3

Milestone: After feedback, add/remove plots and format if needed - Mar. 1

Deliverable: Cross check MC level occupancy with full simulation

Milestone: Reproduce MC level particle occupancy plots using full simu - Feb 10

Milestone: Assess feasibility of looking at photon flux in the sensor region - Feb 8

Milestone: If above milestone is feasible in time, complete study - Mar 1 (stretch goal and if time is running out can be dropped)

Topic 2: Timing studies

Deliverable: Summary of T_0 resolution from vertex position

Milestone: Write up T_0 section in document - Feb 15

Deliverable: Electron/pion separation study based on timing performance

Milestone: Study e/pi acceptance and efficiencies using full simulation - Feb 13

Milestone: Scale e/pi efficiencies using particle level MC - Feb 17

Milestone: Write up timing based e/pi ID in conjunction with RICH based study - Mar 1