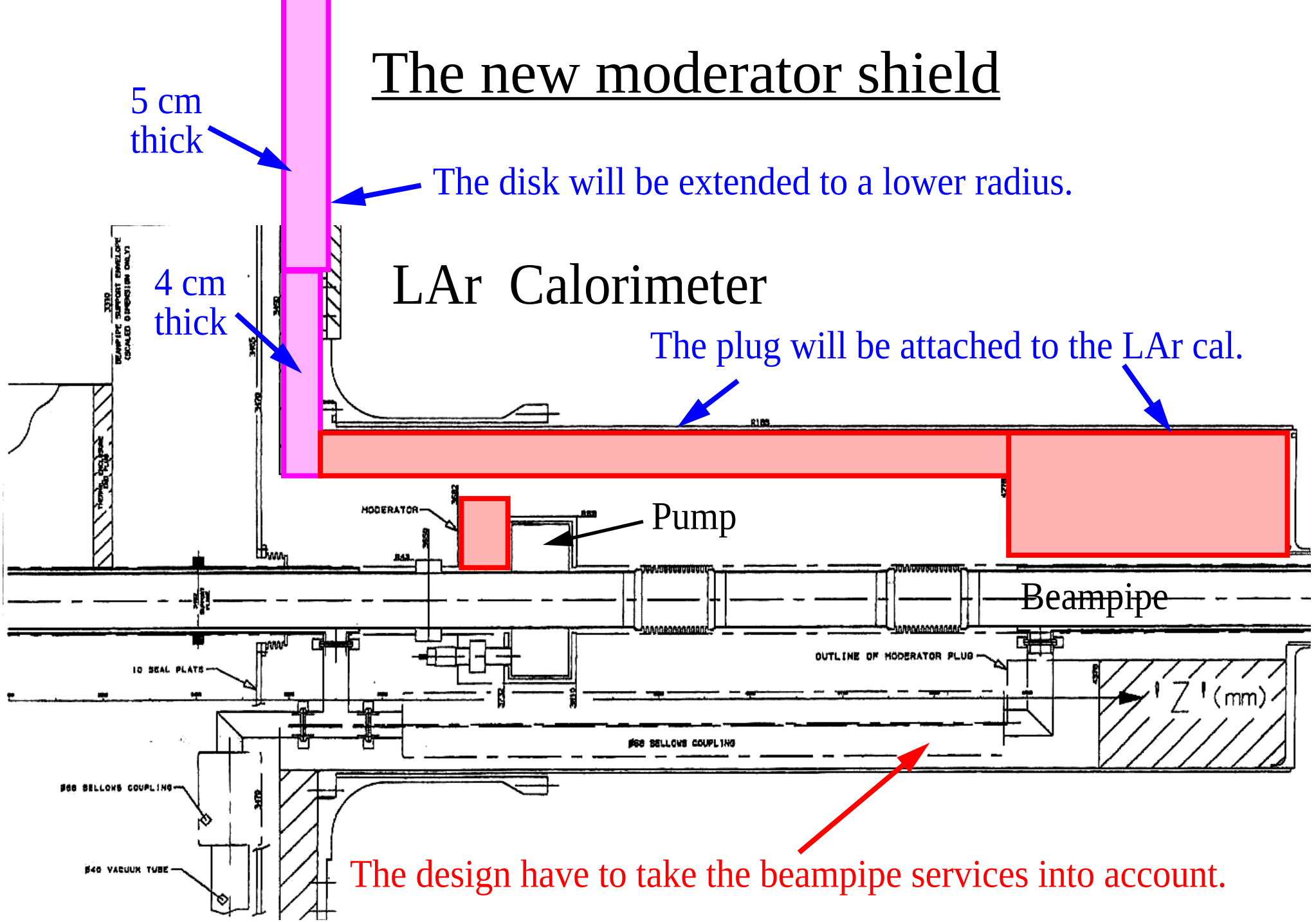
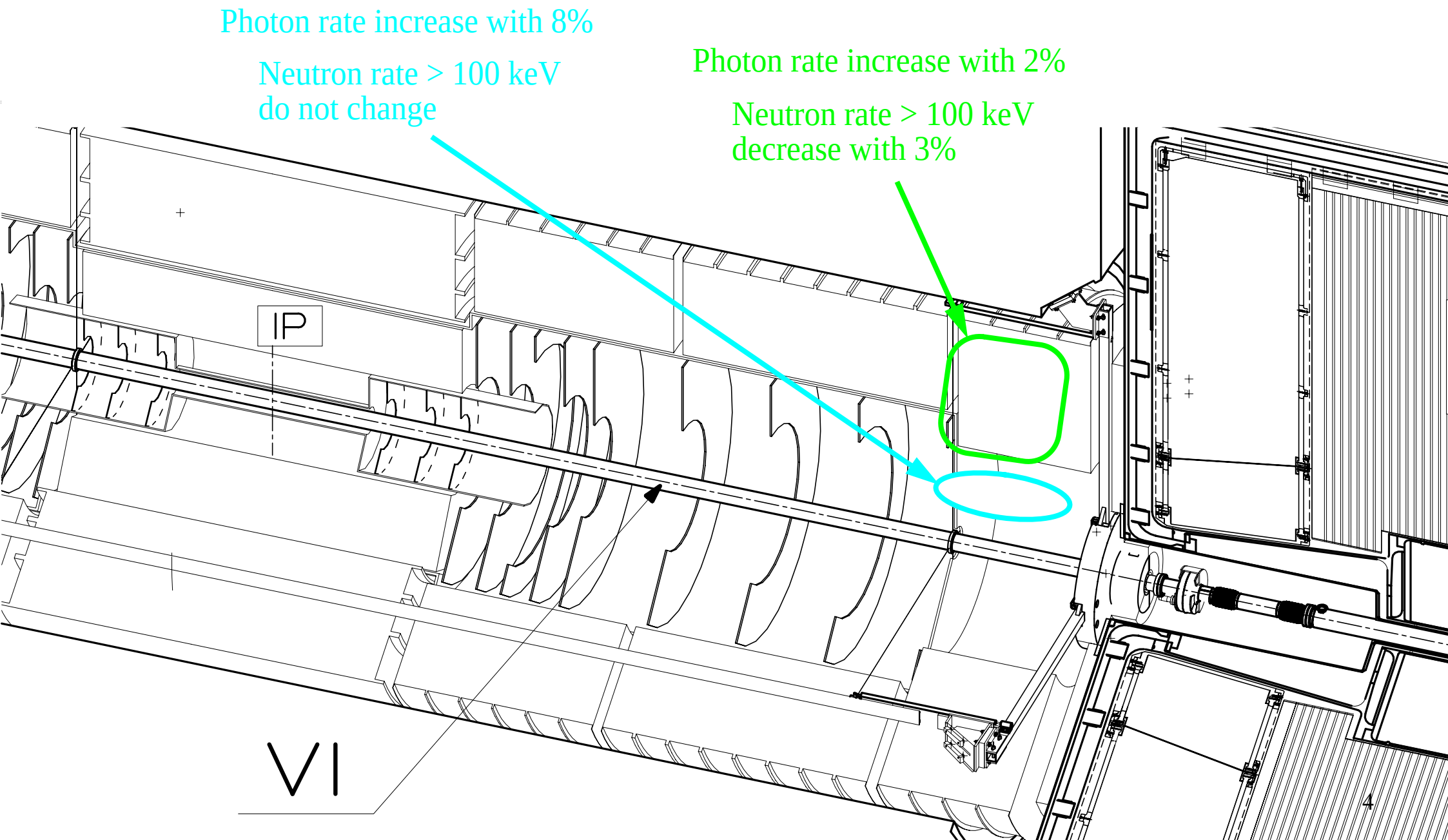
The new moderator shield

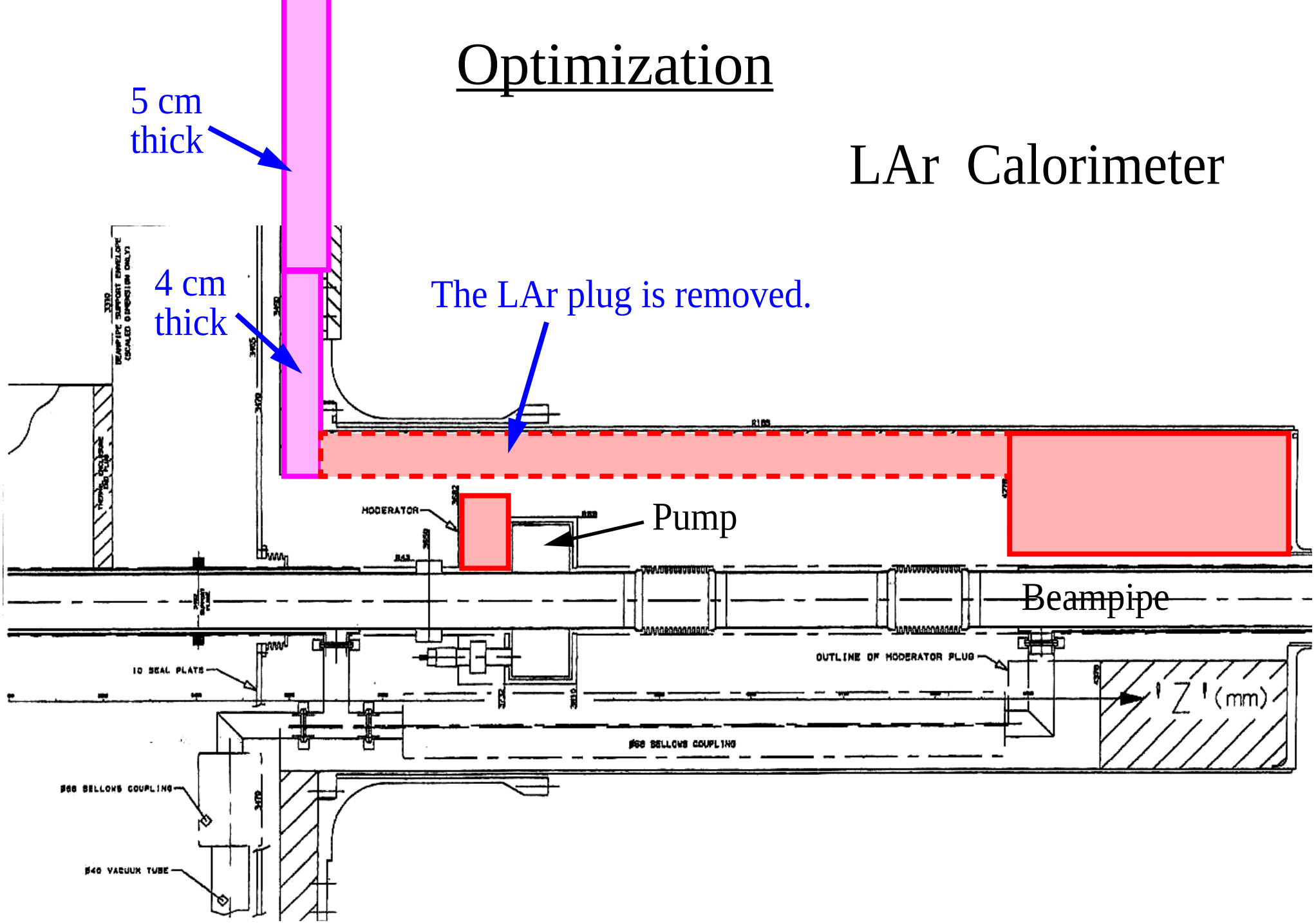


Change in background rate when going from old to new design

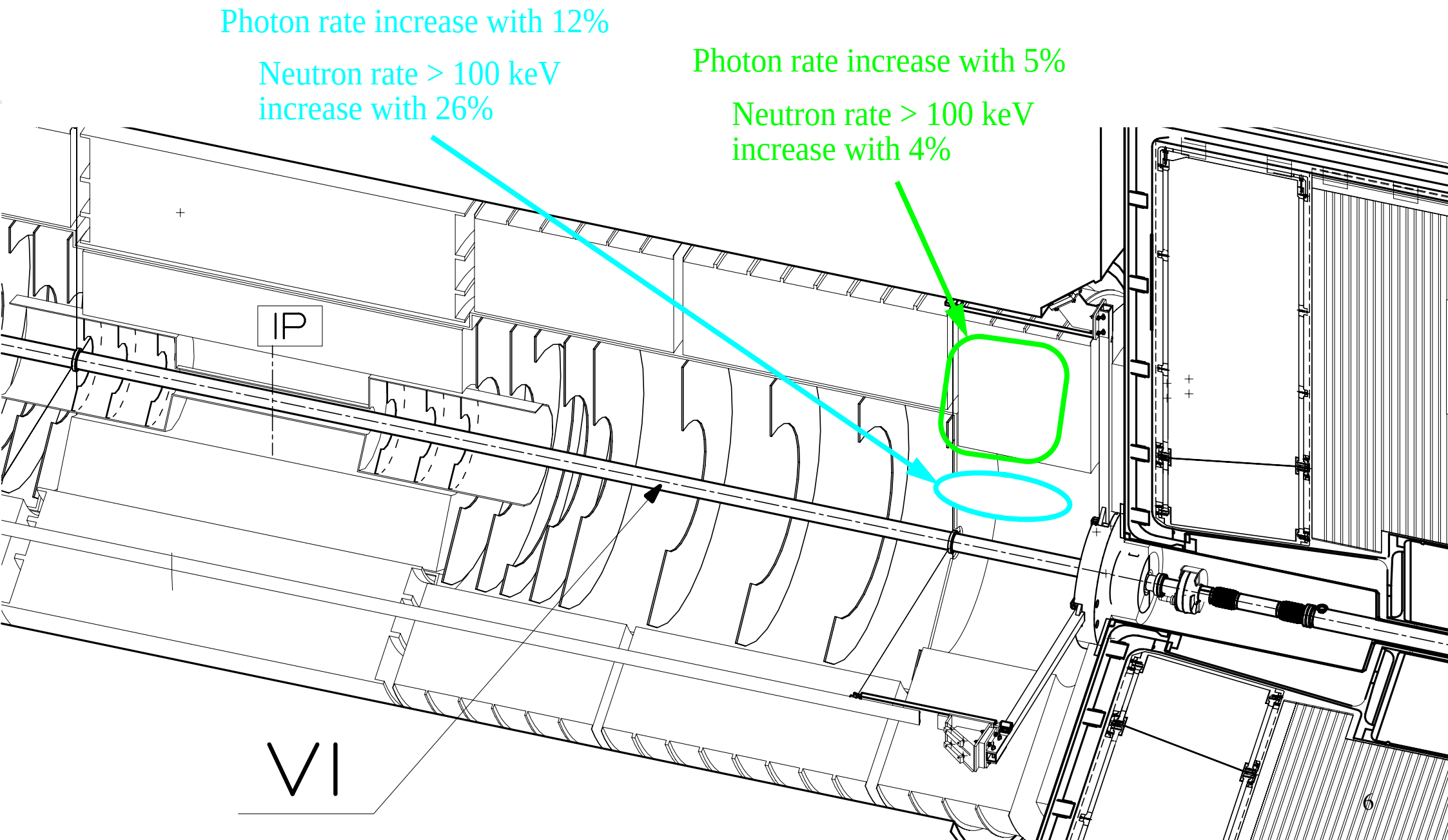


Optimization

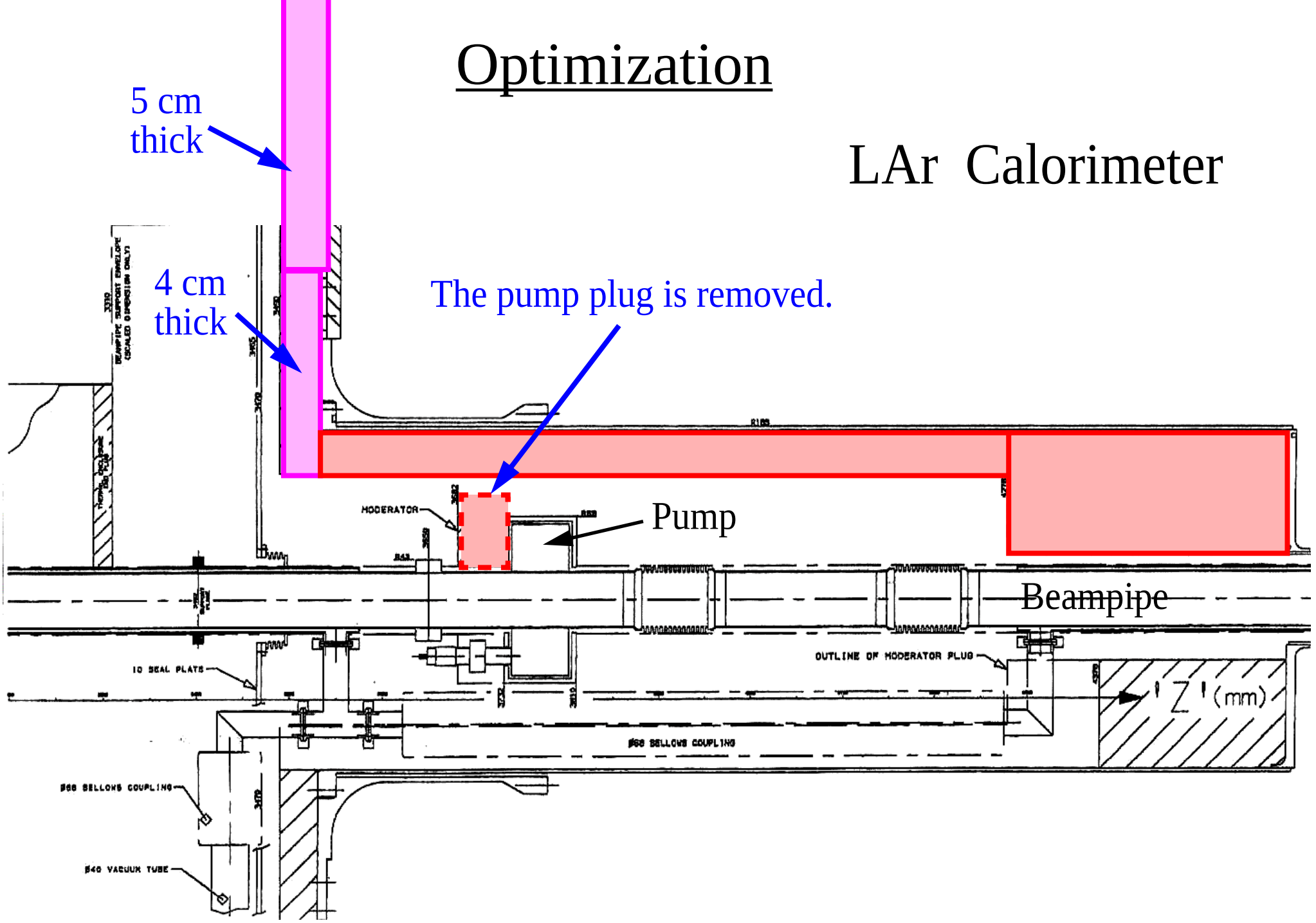
LAr Calorimeter



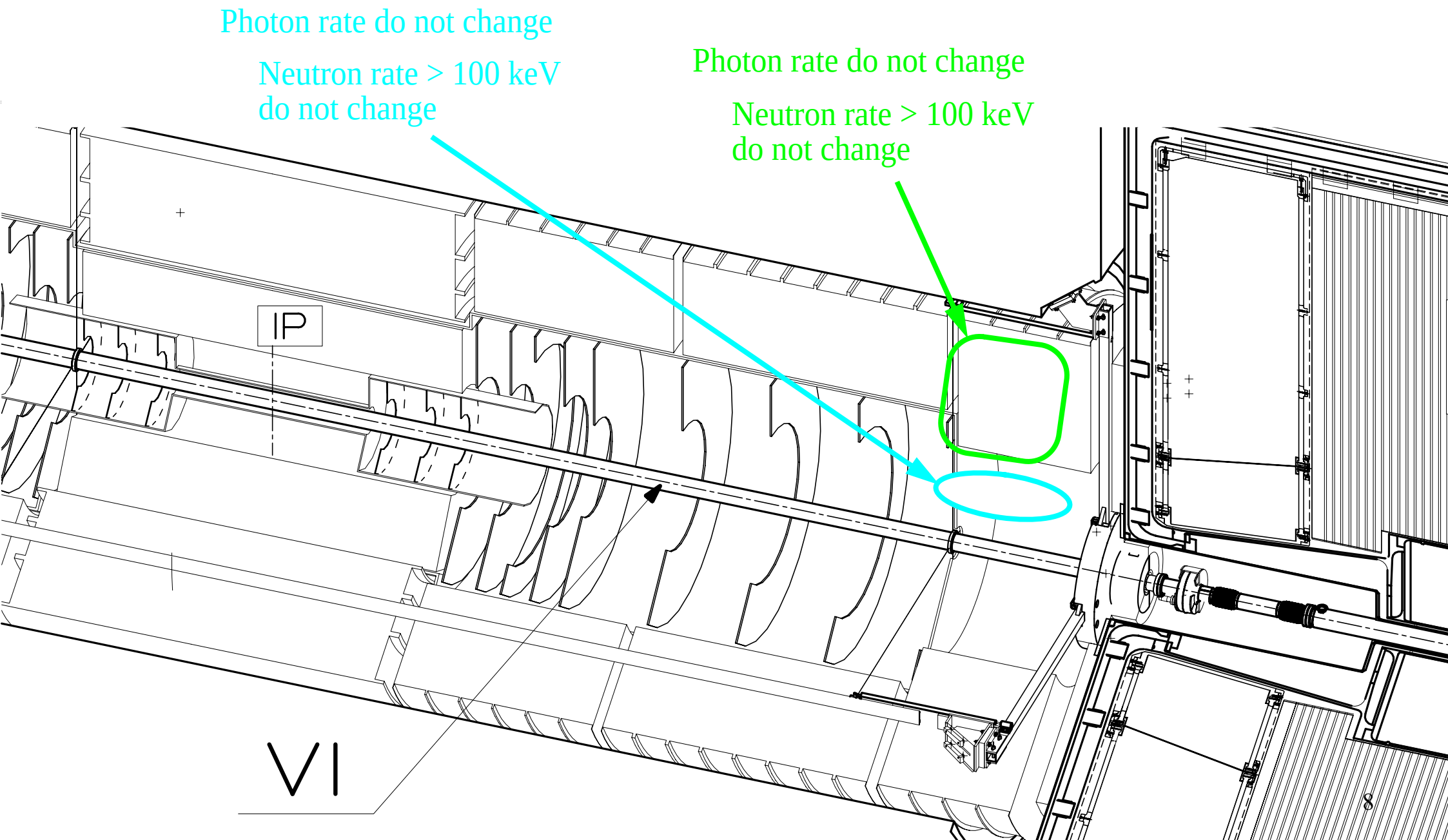
Change in background rate when going from old to new design



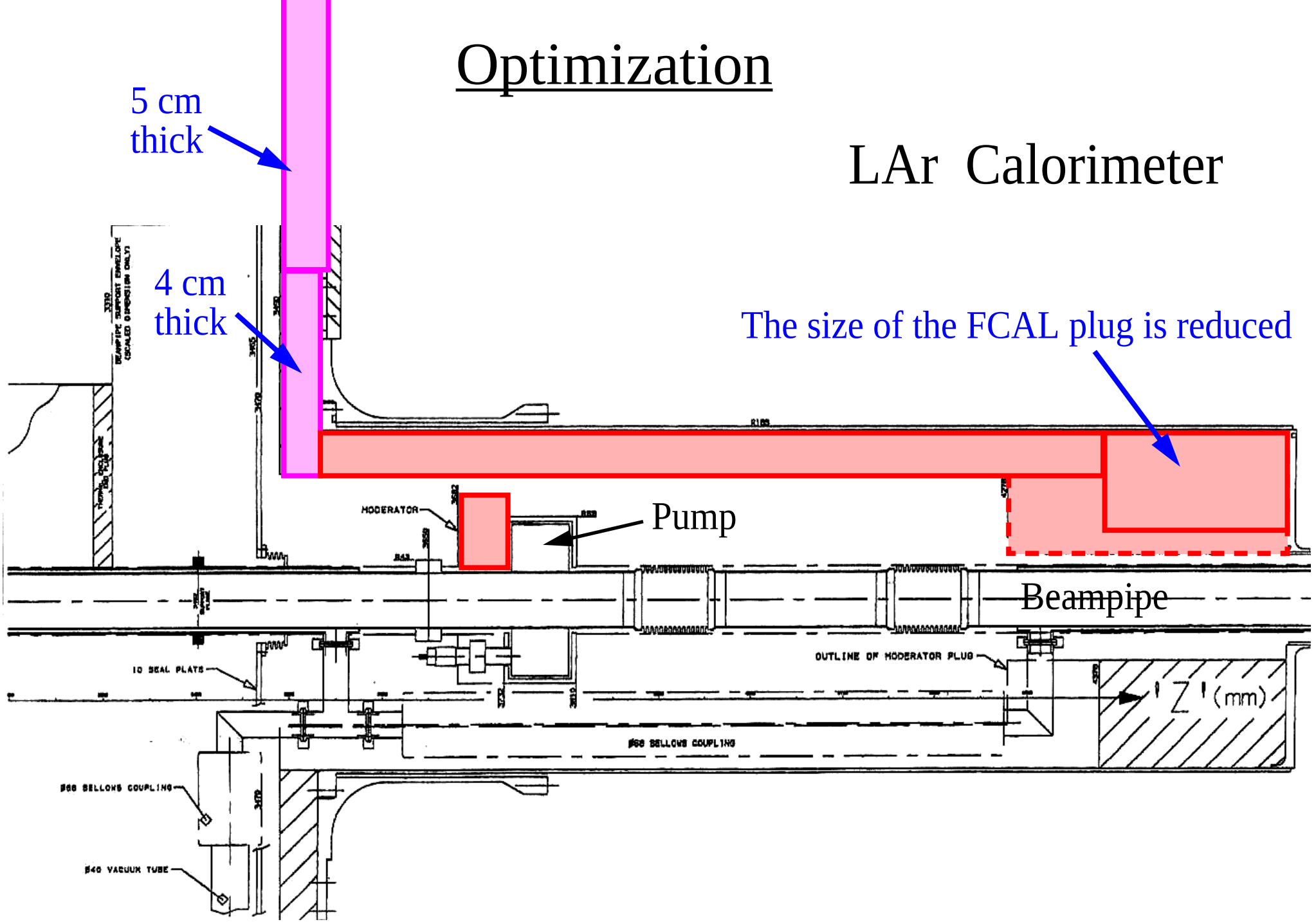
Optimization



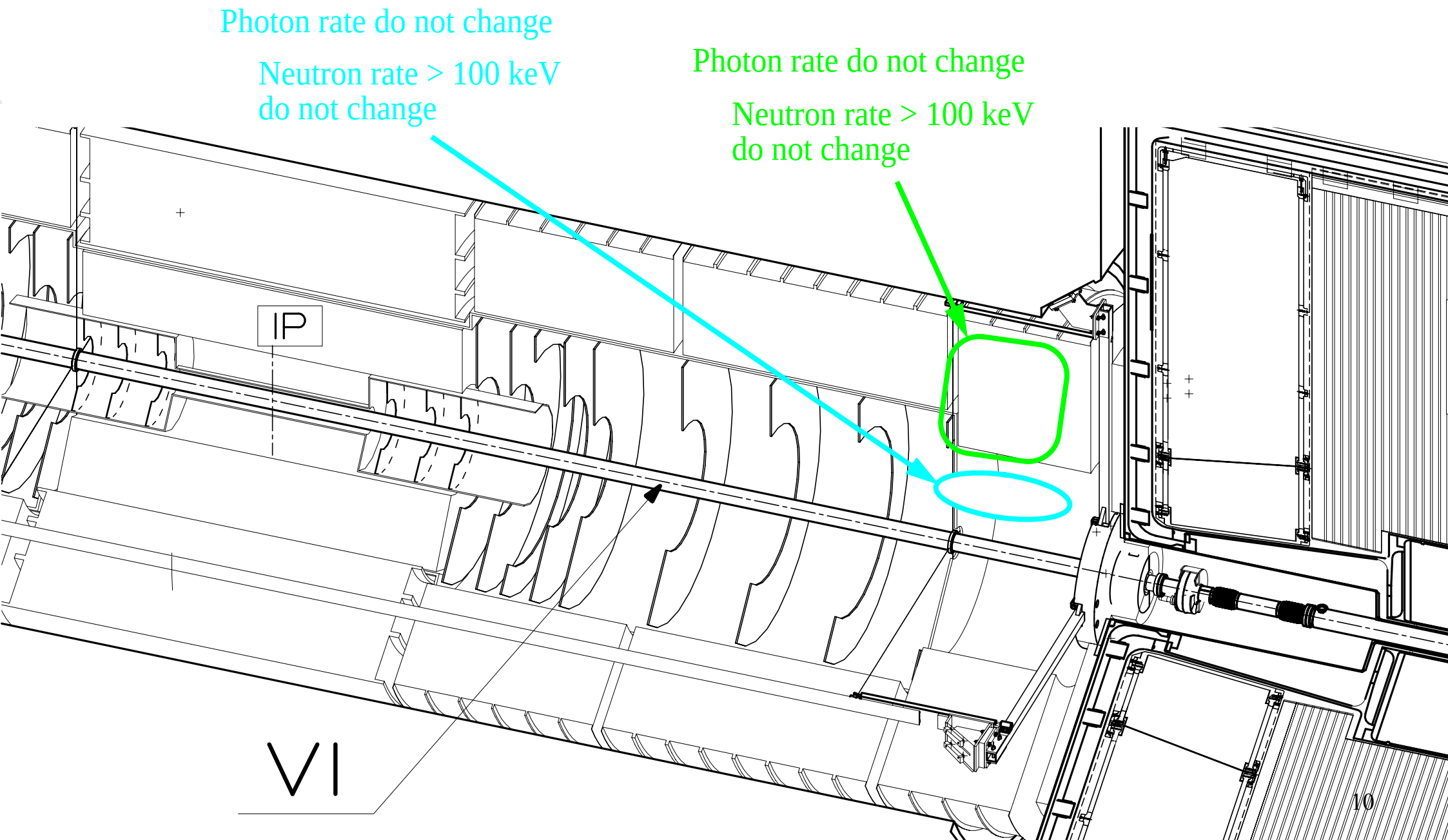
Change in background rate when the pump plug is removed.



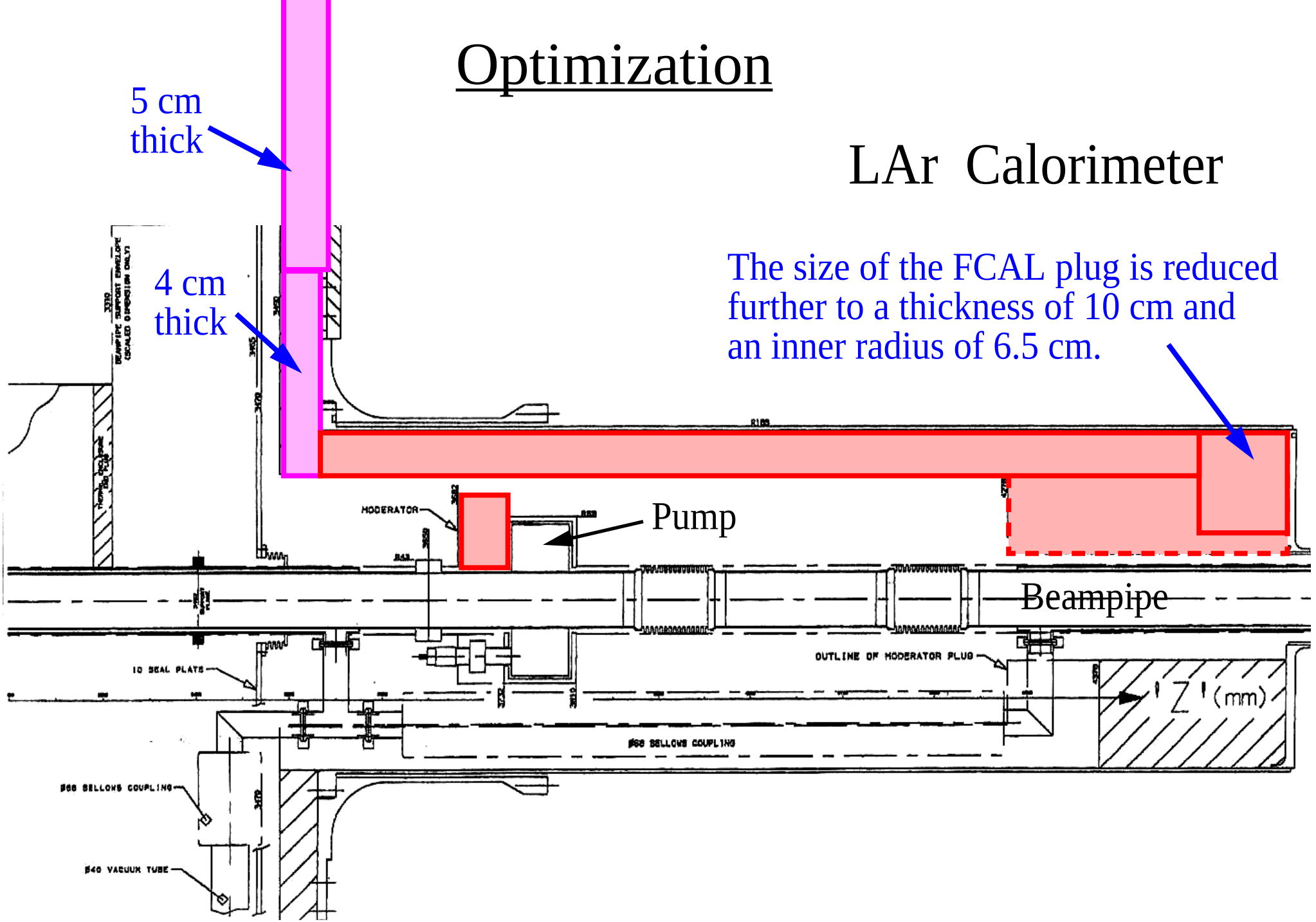
Optimization



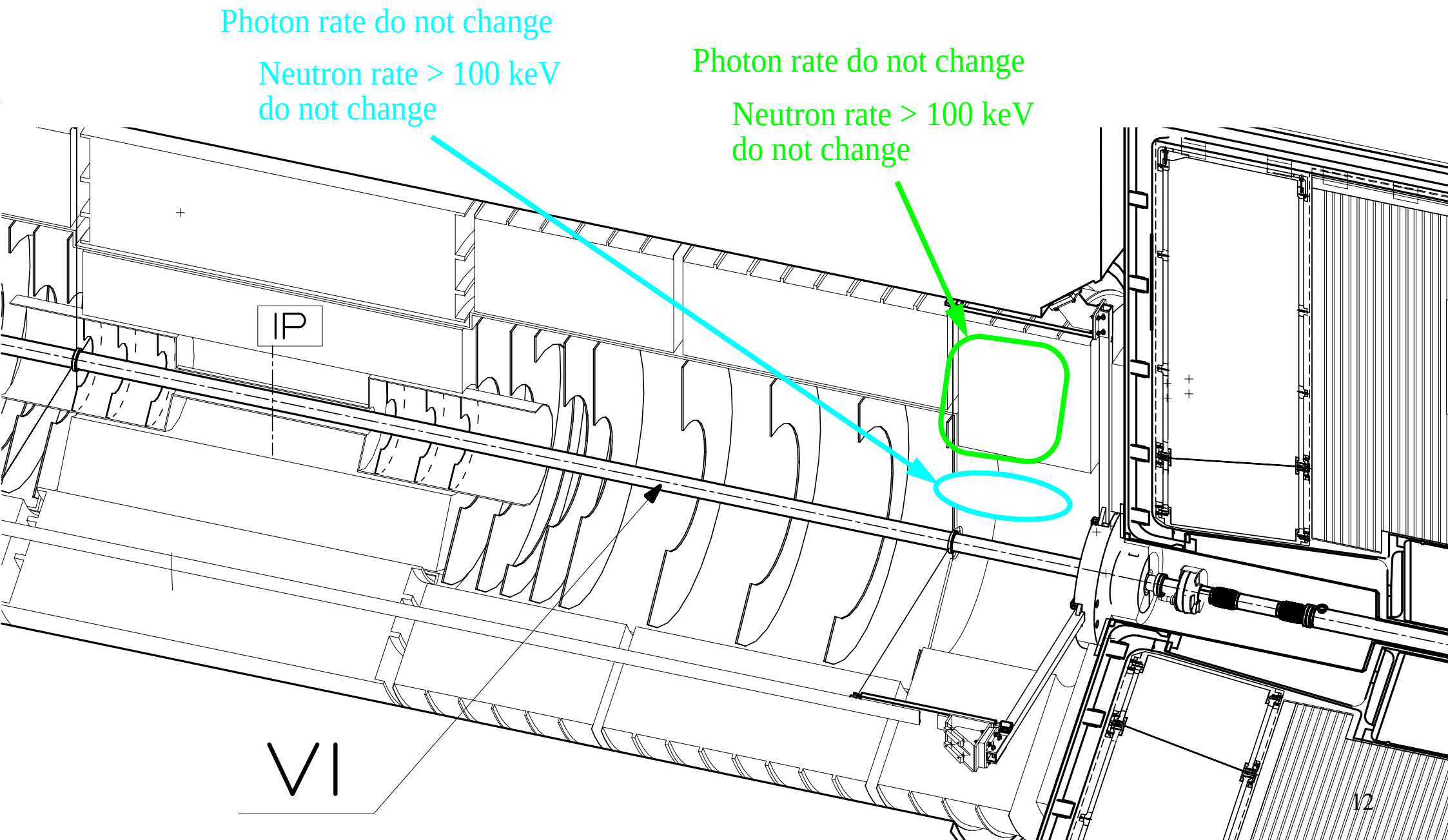
Change in background rate when the FCAL plug is reduced.



Optimization

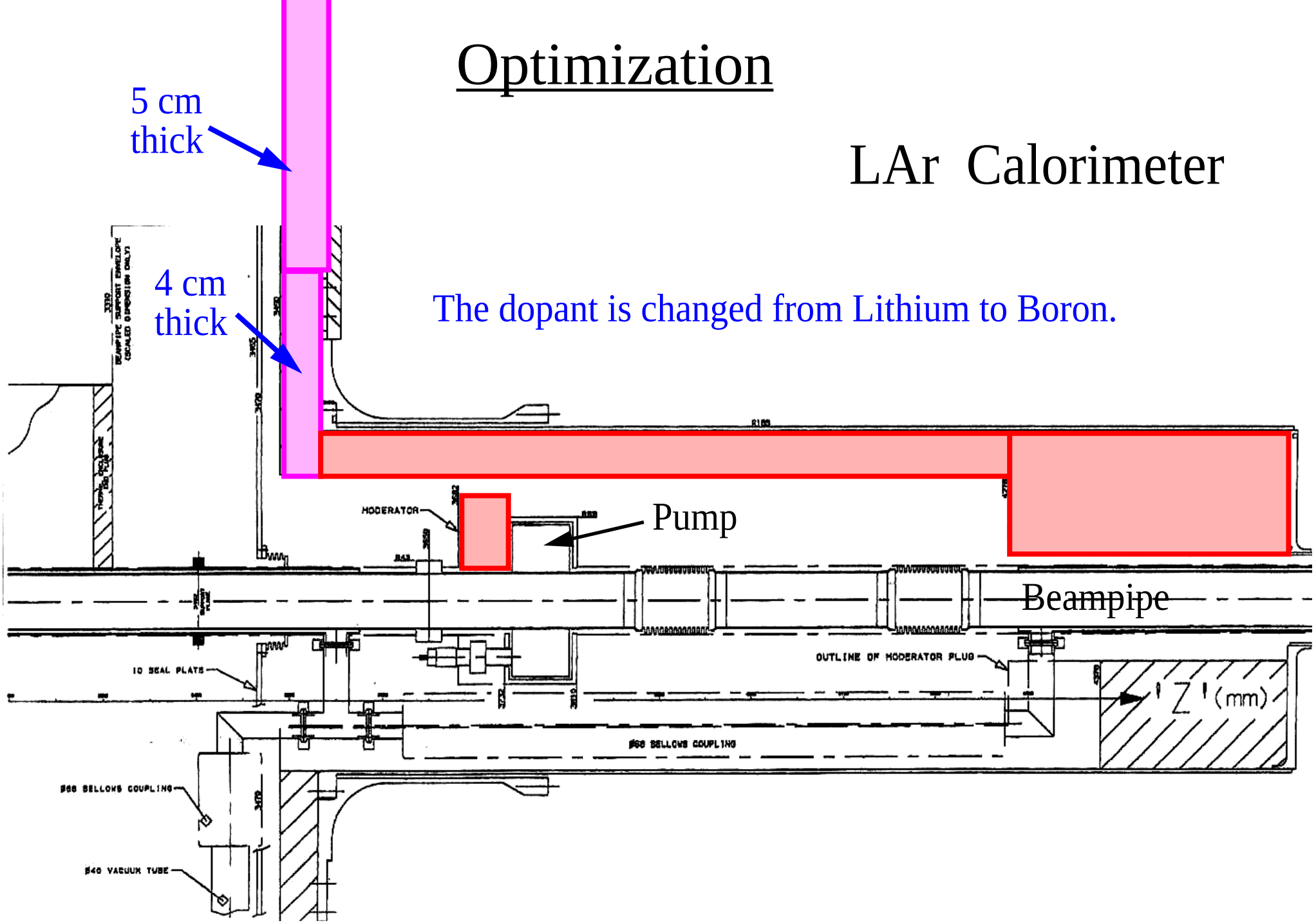


Change in background rate when the FCAL plug is reduced.



Optimization

LAr Calorimeter



Change in background rate when the dopant is changed.