Dose rate vs Distance at (40 kV and 50 mA) Fit: a=1130.44 ,b= 5.26 & χ^2_{red} = 1.10 40 Fit: a=637.76 ,b= 9.52 & χ_{red}^2 = 0.51 35 without Al Filter with Al Filter Dose rate (D) [Mrad(sio₂)/hr] 30 25 20 0.75 cm 15 0.9 cm 10 1.05 cm 1.3 cm 1.5 cm 1.8 cm 5 3.5 cm 5.0 cm 0 10 20 30 50 60 40

Distance (r) [cm]