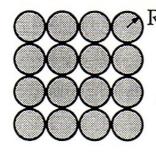


N Rohre mit Radius R



N = 16R=1cm

 $A_{tot} = N\pi R^2 = 50.3 cm^2$

1 Rohr mit Radius R₀



N=1

 $R_0=2cm$ $A_0=\pi R_0^2=12.6cm^2$