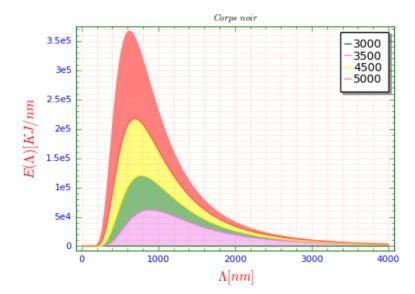
```
In [8]:
         c=3e8:h=6.626*(10^{-34}):k = 1.281*(10^{-23})
         k1=8*pi*h*c; k2=(h*c)/k
         E(l,T)=k1*(l*1e-9)^-5*(1/(exp(k2/((l*1e-9)*T))-1))
         f1=0; f2=E(l,3500); f3=E(l,4000);
         f4=E(1,4500); f5=E(1,5000)
         params=dict(figsize=5,axes=False,
                      fontsize=8,
                      frame=True, gridlines="minor",
                      gridlinesstyle=dict(
                           color="lightsalmon",
                           linestyle="-",alpha=0.3),
                      axes_labels=(
                           "$E(\\Lambda)[KJ/nm$"),
                      legend font size=10)
         p0=plot([f1],l,10,4000,fill=f2,
                 legend label="3000",
                 fillcolor=["violet"],
                 fillalpha=0.5,color="green")
         p1=plot([f2],1,10,4000,fill=f3,
                 legend_label="3500",
                 fillcolor=["green"],
fillalpha=0.5,color="violet")
         p2=plot([f3],1,10,4000,fill =f4,
                 legend label="4500",
                    fillcolor=['yellow'],
                    fillalpha=0.5, color="yellow")
         p3=plot([f4],l,10,4000,fill =f5,
                 legend_label="5000",
                 fillcolor="red".
                 fillalpha=0.5,color="red"
                  ,alpha=0.5)
         v = plot(p0+p1+p2+p3)
         v.axes_color("green")
v.axes_label_color("red")
v.tick_label_color("blue")
         v.show(title="$Corps$ $noir$",**params)
```



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