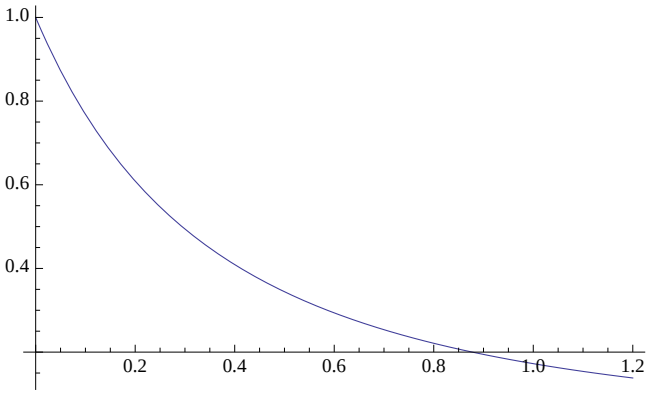
In[1]:=
$$\text{GDipole}[Q2\_] := \frac{1}{\left(1 + \frac{\text{Abs}[Q2]}{0.71}\right)^2}$$

In[2]:=
```
GEp[Q2_] := GDipole[Q2]
GMp[Q2_] := 2.79 GDipole[Q2]
GMn[Q2_] := -1.91 GDipole[Q2]
GEn[Q2_, τ_] := 1.91 τ / (1 + 5.6 τ) GDipole[Q2]
```

In[6]:=
```
Show[Plot[GEp[Q2], {Q2, 0, 1.2}, PlotRange → All]]
```

Out[6]=



In[183]:=

In[17]:=
```
ProtonAsymmetry[Q2_, MTg_, θe_, θstar_, φstar_] := Module[{Pp = -0.027,
  fp = 2/3},
 τ = -Q2/(4 MTg^2);
 vL = 1/(1 + τ)^2;
 vT = 1/2 1/(1 + τ) + Tan[θe/2]^2;
 vTb = Tan[θe/2] Sqrt[1/(1 + τ) + Tan[θe/2]^2];
 vTLb = -1/Sqrt[2] 1/(1 + τ) Tan[θe/2];
 Ap =
  -(Cos[θstar] vTb 2 τ GMp[Q2]^2 + Sin[θstar] Cos[φstar] vTLb 2 Sqrt[2 τ (1 + τ)] GEp[Q2] GMp[Q2])/
   (vL (1 + τ) GEp[Q2]^2 + vT 2 τ GMp[Q2]^2);
 Ap3He = Pp Ap fp
]
```

In[38]:=
$$\text{ProtonAsymmetry}\left[-0.35,\ 0.93827,\ 14.5\,\frac{\pi}{180},\ \frac{\pi}{2},\ 0\right]$$

Out[38]=
$$-0.00234497$$

In[37]:=
```
Show[Plot[ProtonAsymmetry[-x, 0.93827, 14.5 π/180, π/2, 0],
  {x, 0.001, 1.2}, PlotRange → All, PlotStyle → {Thickness[0.01], Hue[0.]}],
 Plot[ProtonAsymmetry[-x, 0.93827, 14.5 π/180, 0, 0], {x, 0.001, 1.2}, PlotRange → All,
  PlotStyle → {Thickness[0.01], Hue[0.7]}], AxesLabel → {"|Q²|", "Ax', Az'"}]
```

Out[37]=