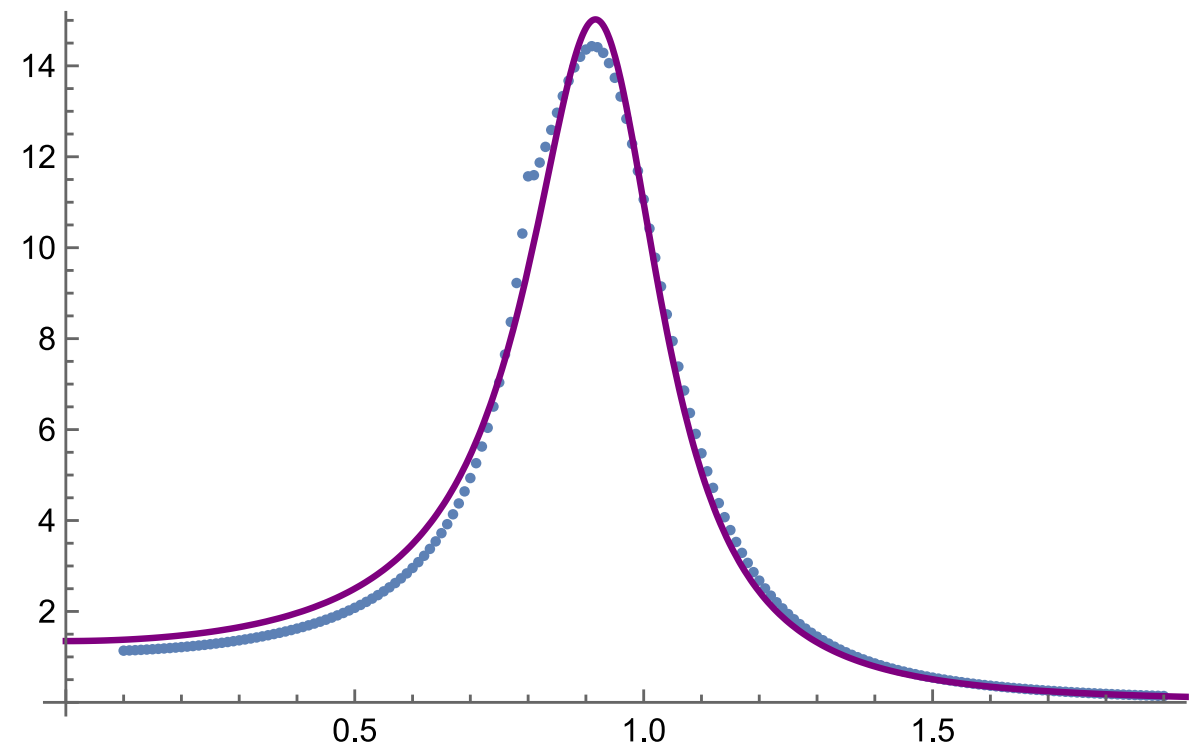


My attempts for fitting

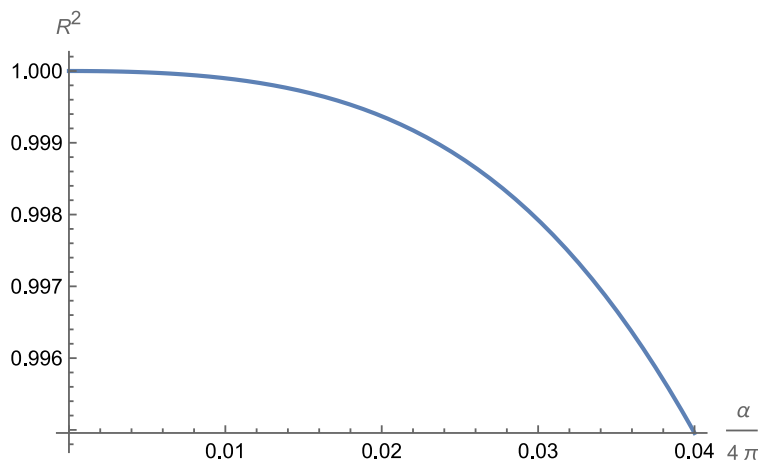
Which are really crude

Fitting

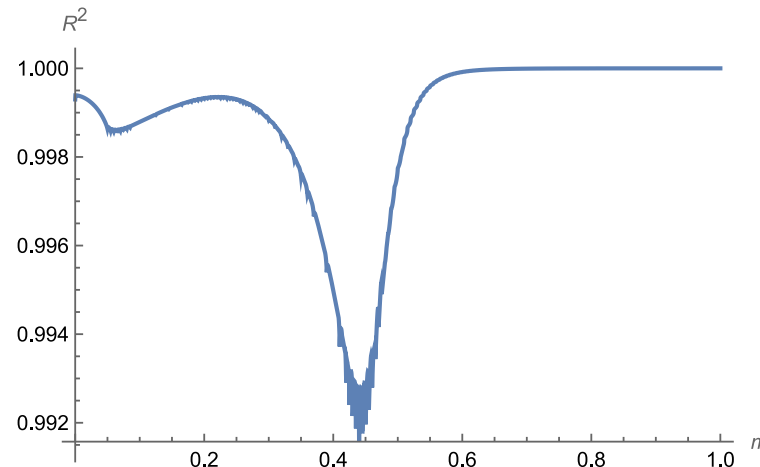
- $m=0.1M \sim 1.9M$, sample distance $0.01M$
- Using NonlinearModelFit in Mathematica
- R^2 value as a 'goodness' of fit



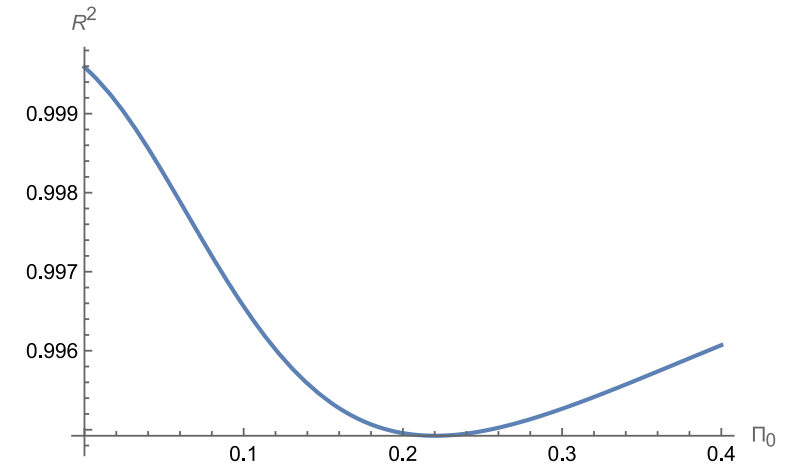
Varying parameters to see how good is the fit



Coupling constant



Particle mass (threshold/2)



Constant decay

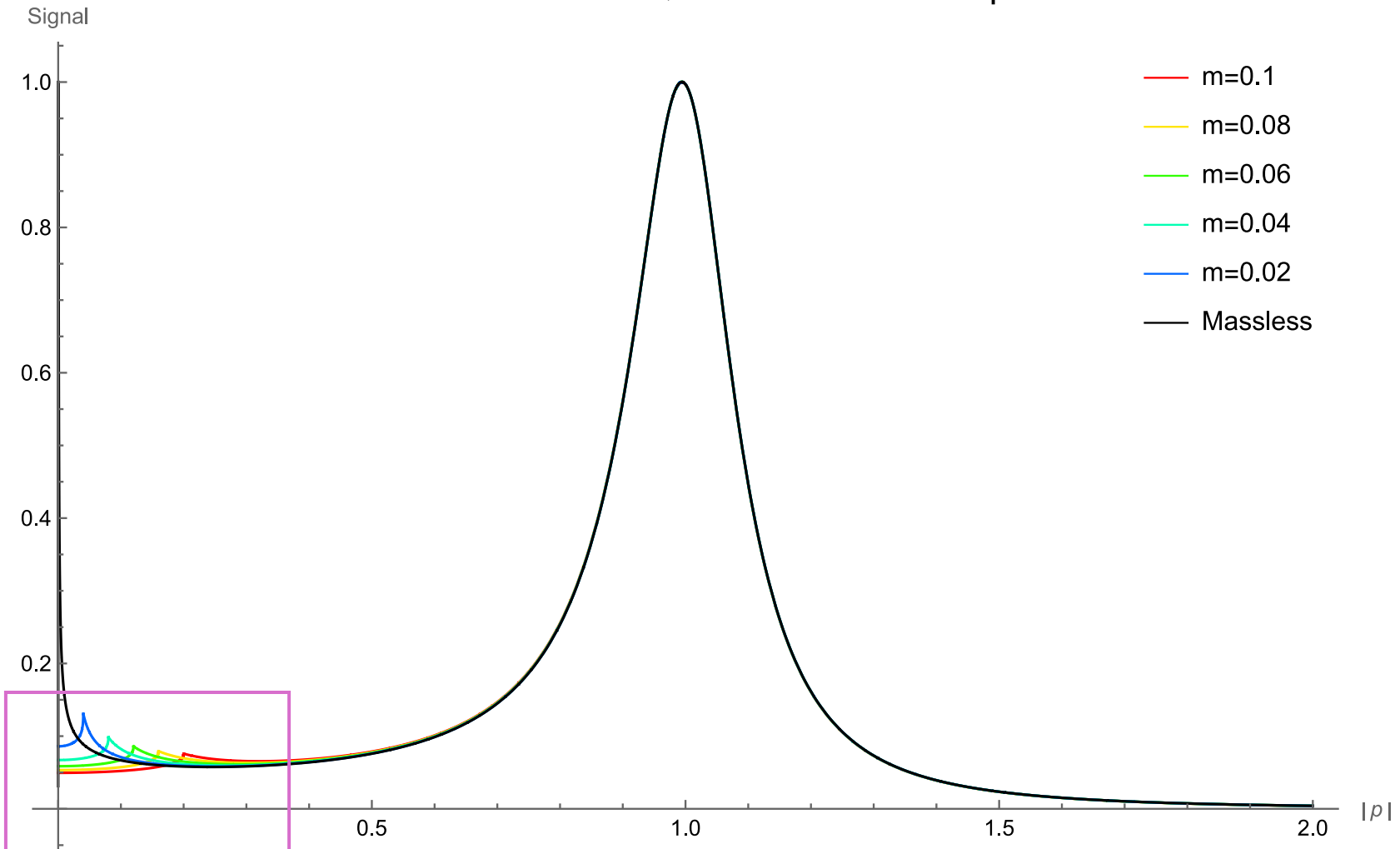
Statistically a bit misleading, especially on the third plot

Light particles

reaffirming that the problem is not easy

Signal shape, full region

$M=1\text{GeV}$, $\Gamma=0.2\text{GeV}$ Complex on-shell



OK for nonzero m ?

Signal Shape, near $s=0$

$M=1\text{GeV}, \Gamma=0.2\text{GeV}$

