

ATLAS Internal, 2012, $\sqrt{s}=8$ TeV

$\tan\beta$

$$\int L dt = 20.3 \text{ fb}^{-1}, \quad h/H/A \rightarrow \tau_{\text{lep}}\tau_{\text{lep}}$$

MSSM $m_h^{\text{max}}, \mu > 0$

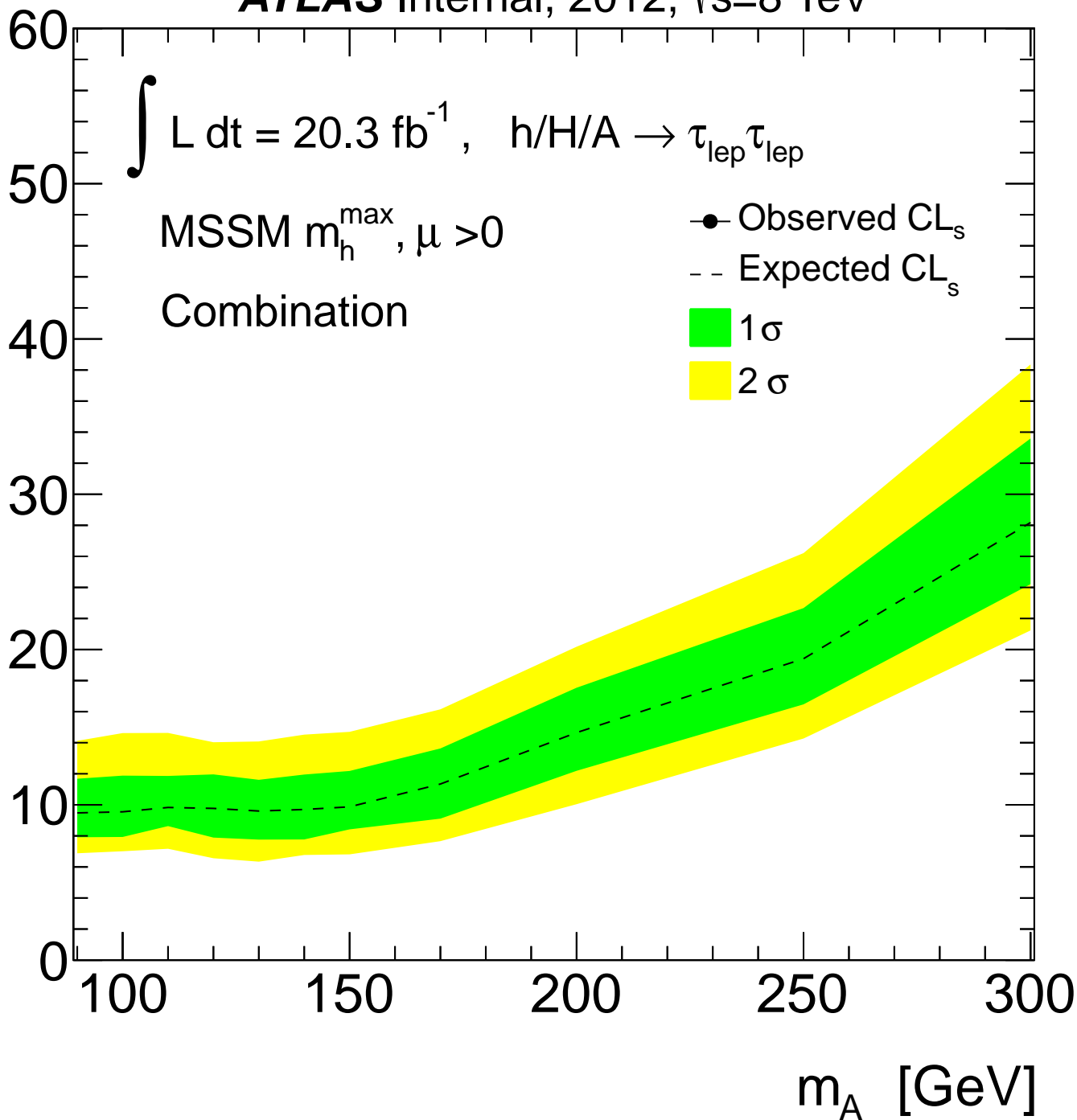
Combination

● Observed CL_s

-- Expected CL_s

■ 1σ

■ 2σ



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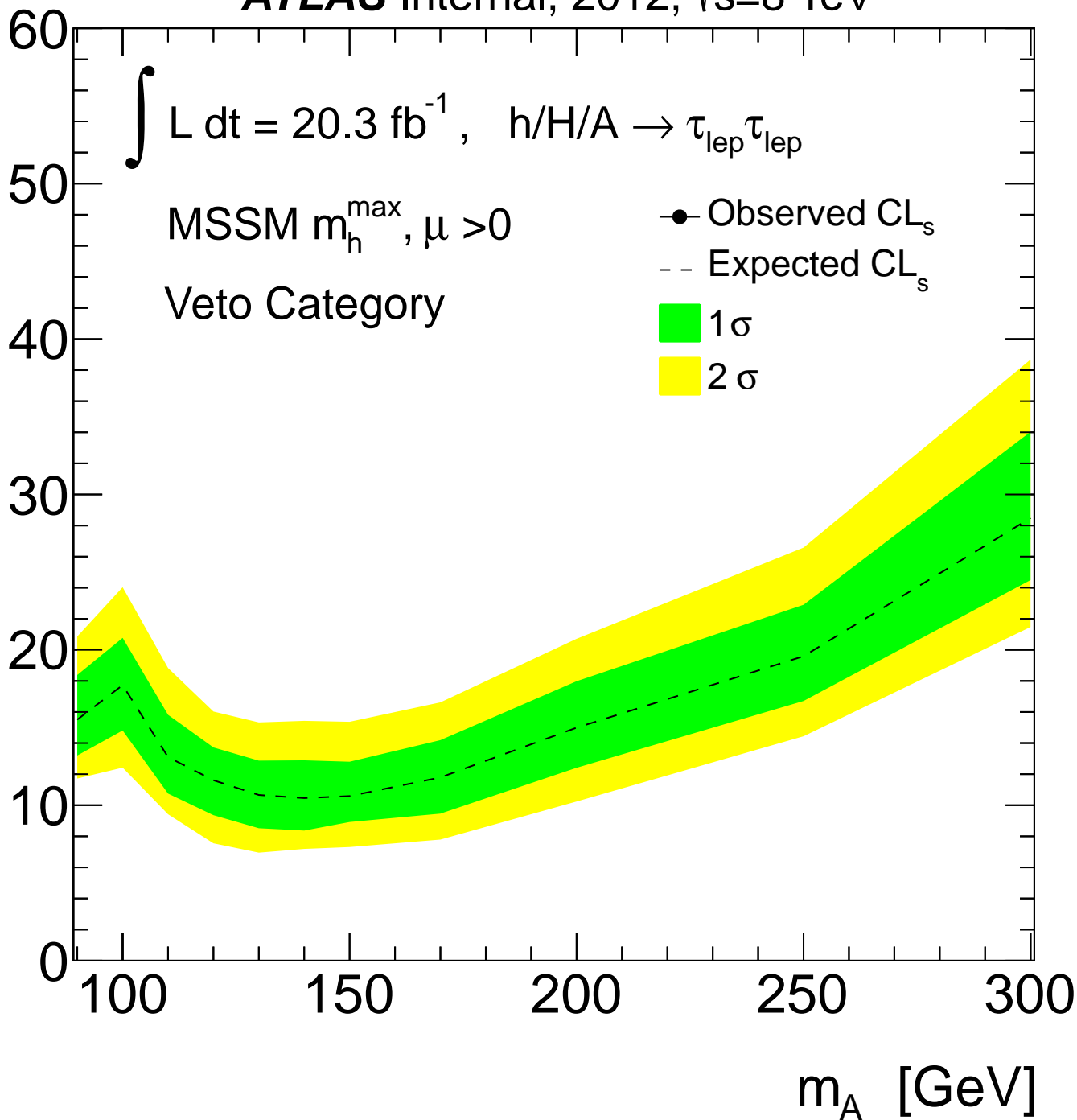
Veto Category

● Observed CL_s

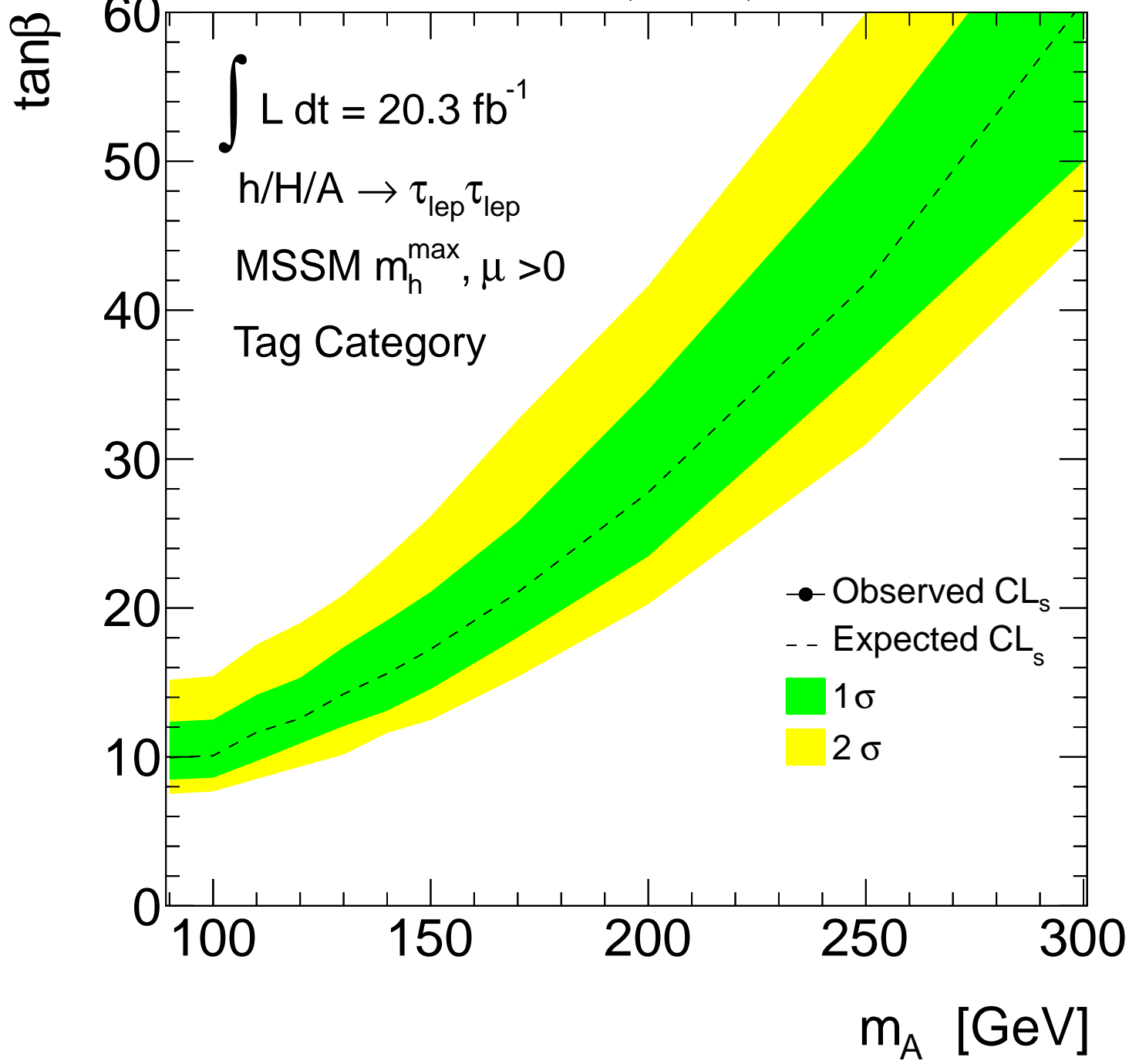
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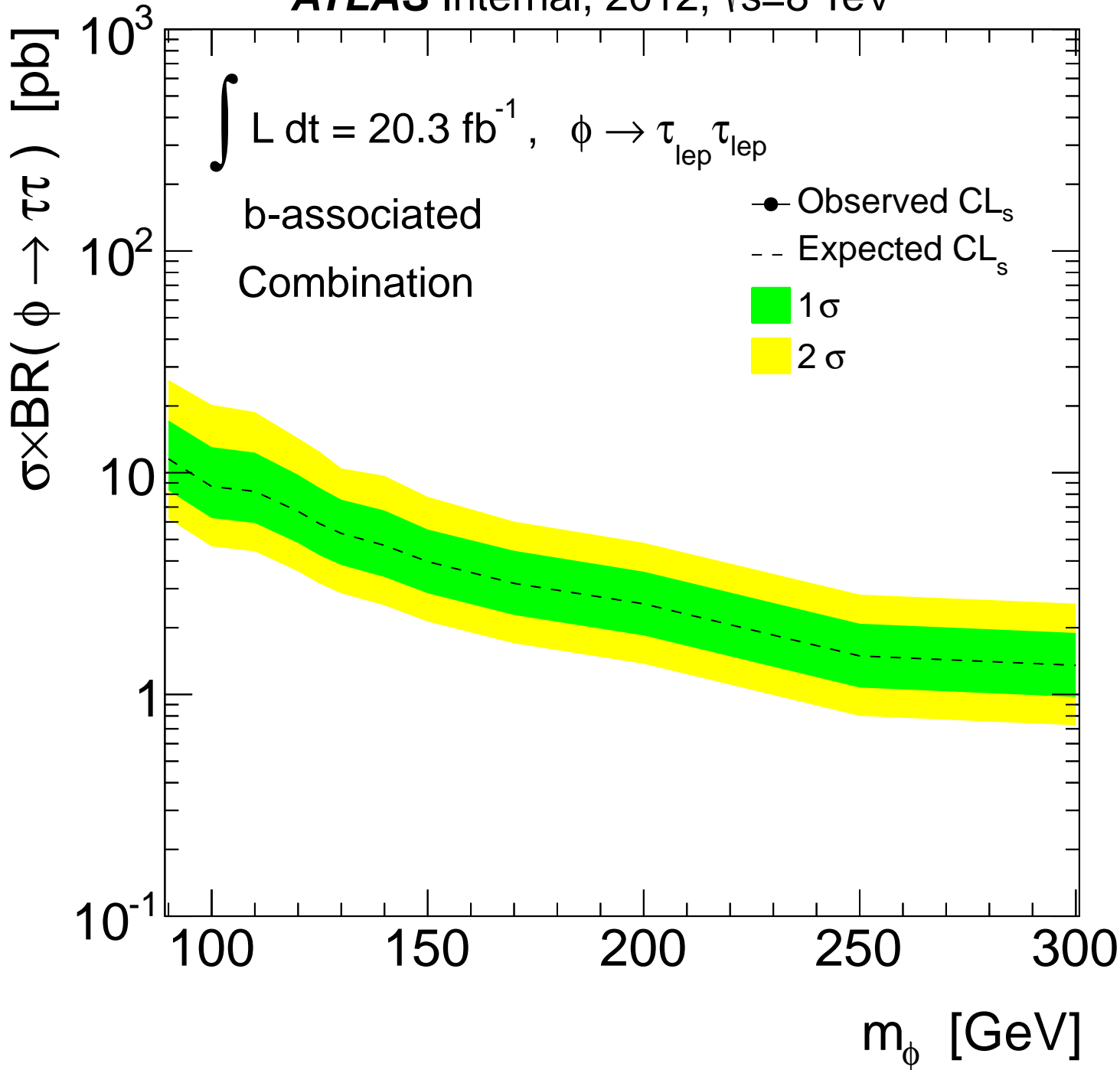
b-associated
Combination

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■ 2σ



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b-associated

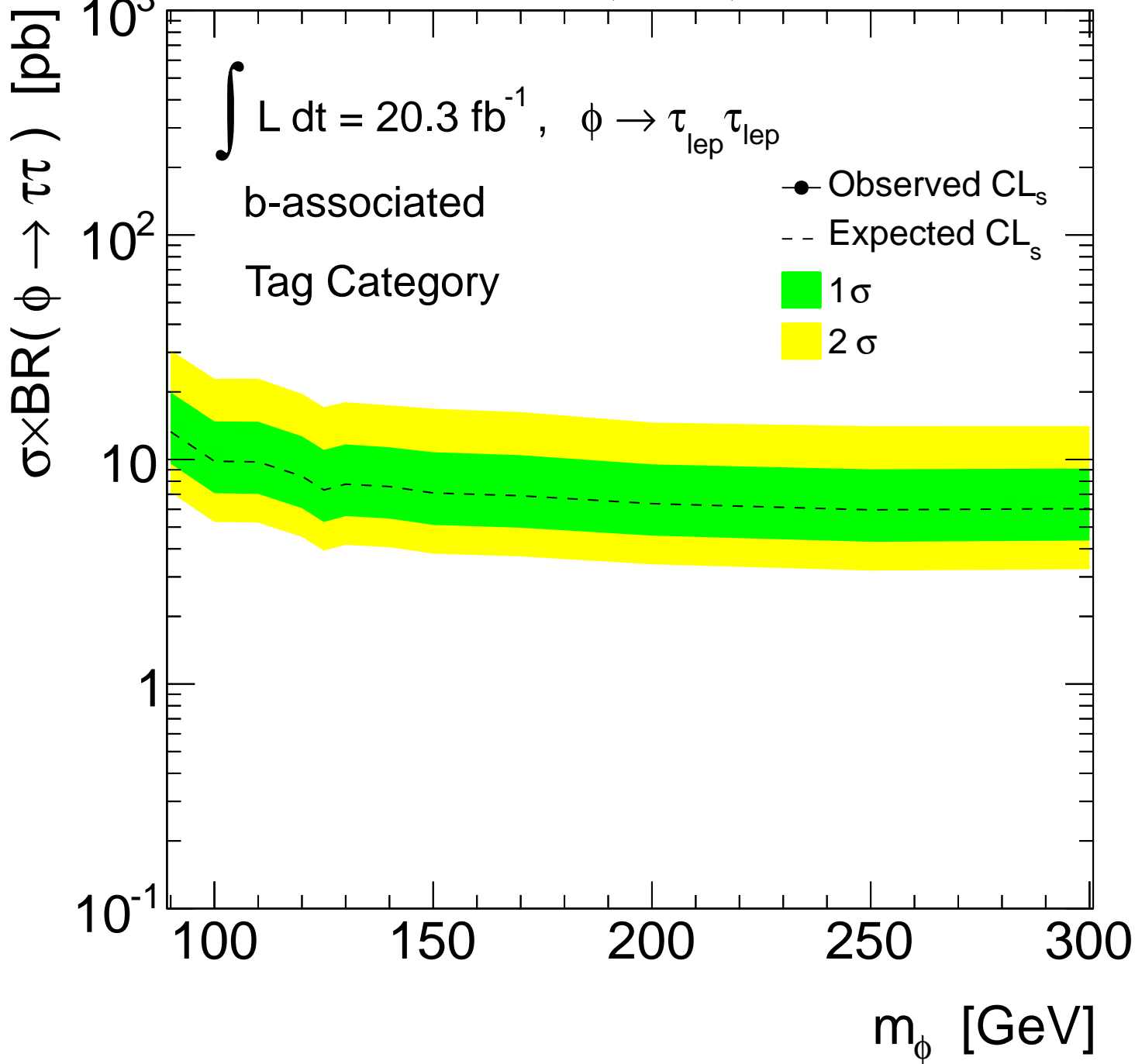
Tag Category

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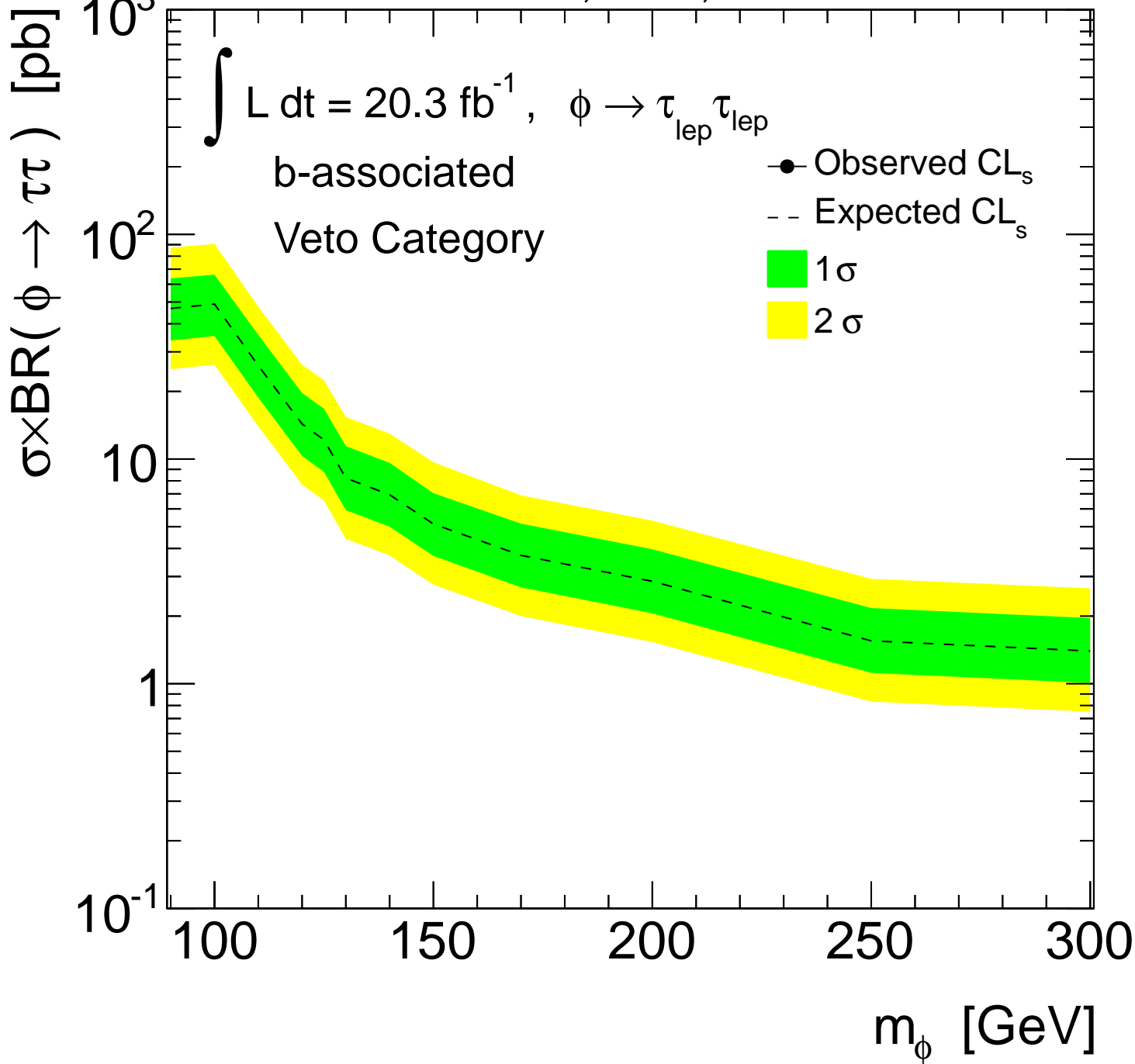
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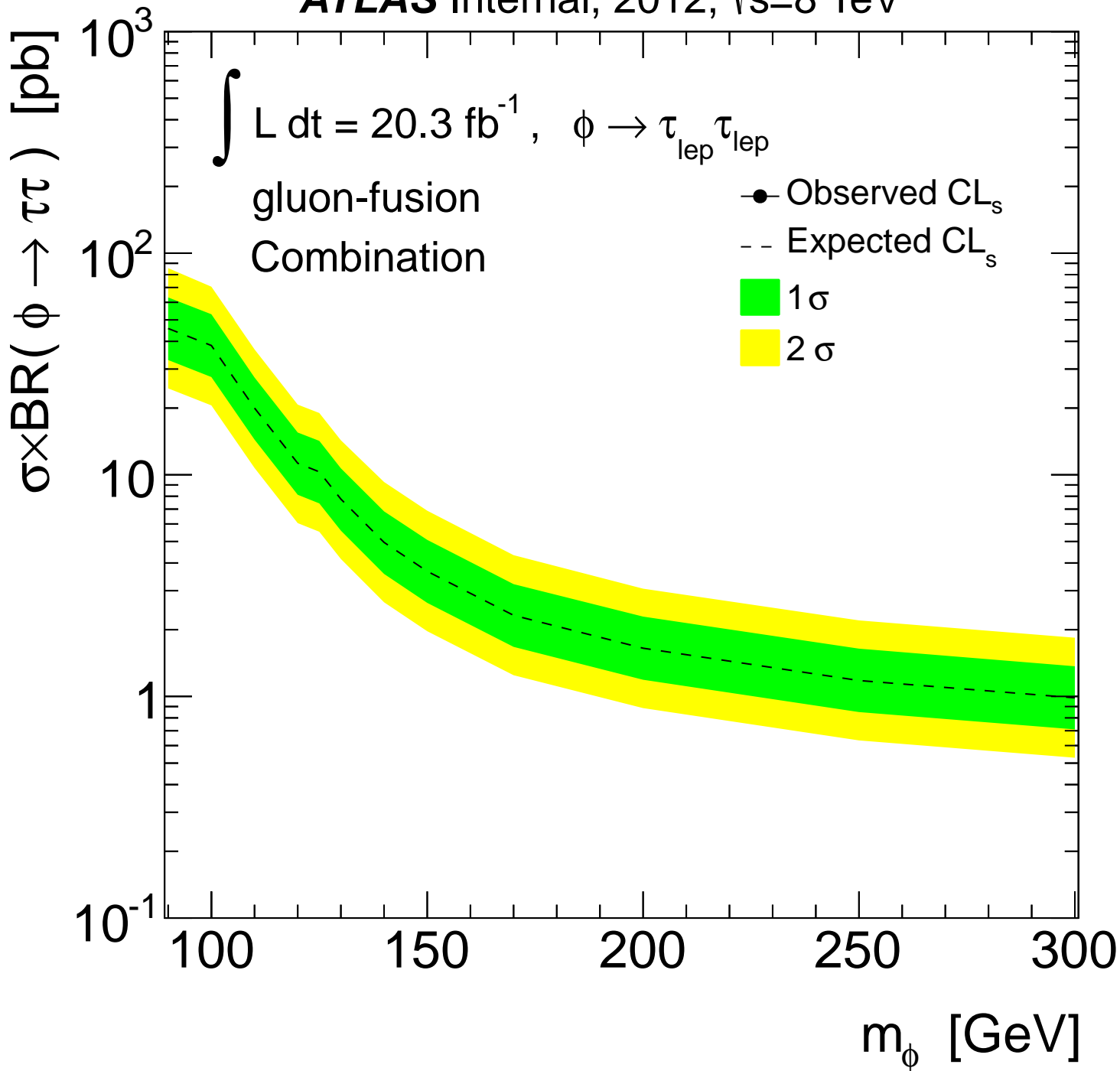
gluon-fusion
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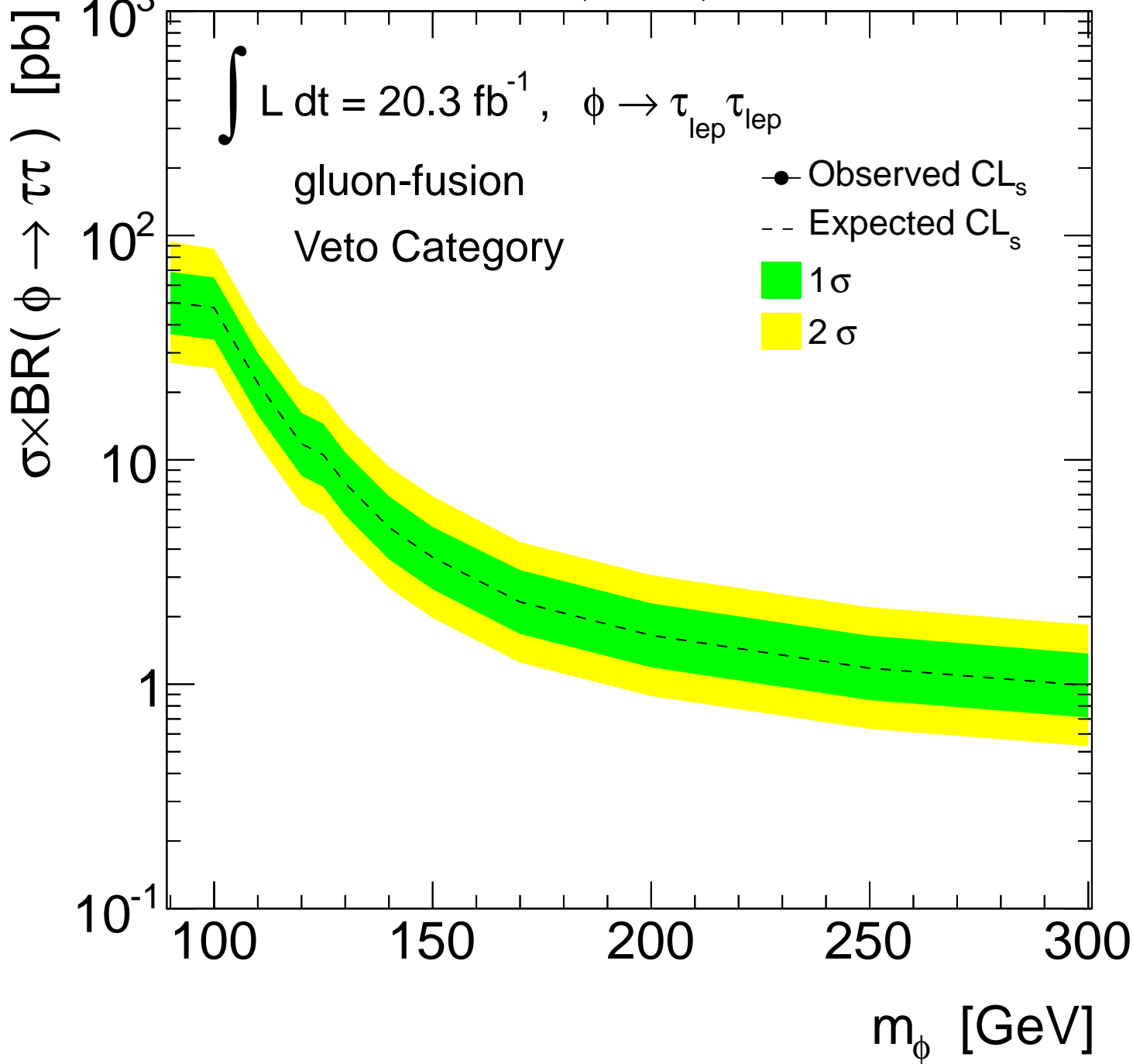
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