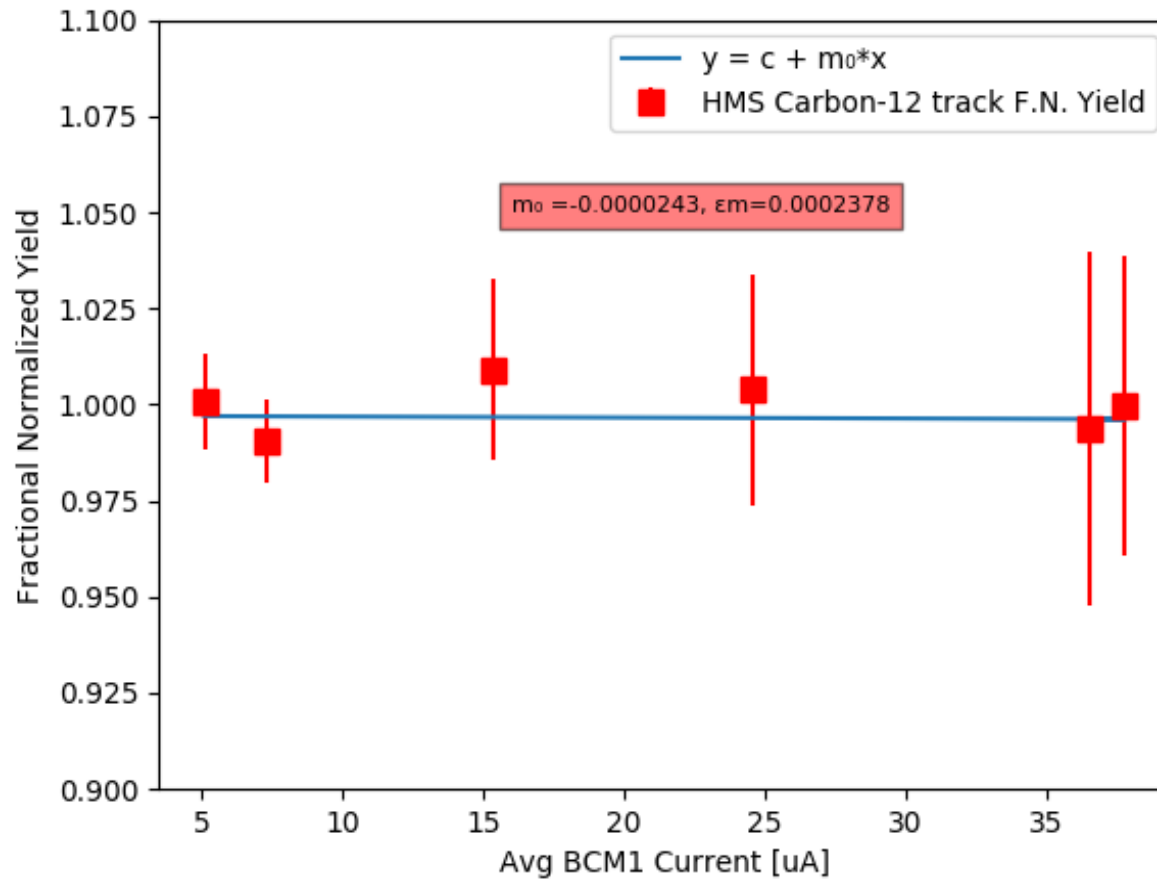


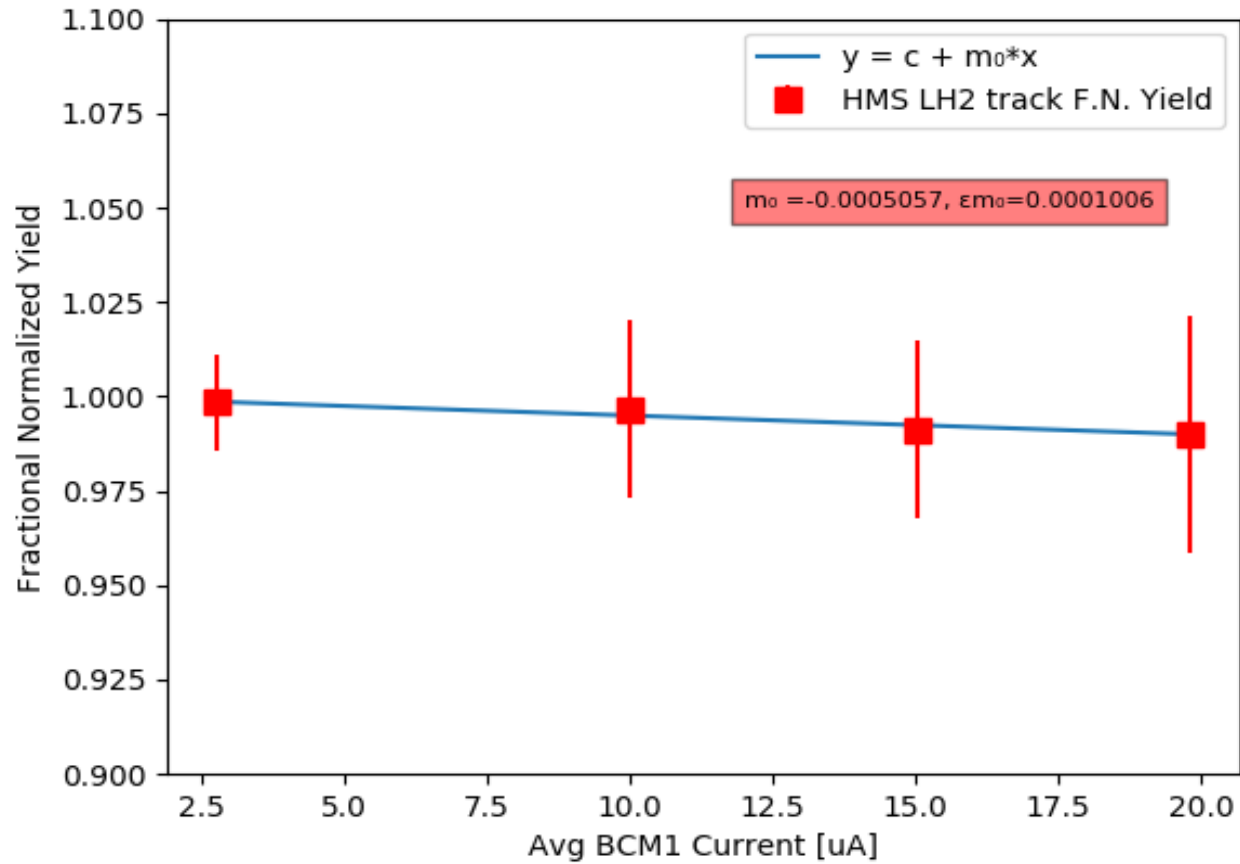
# PionLT summer 2019 Lumi Study

Target	Analysis	Slope ( $m_0$ )	$\delta m_0$
Carbon	Carlos	-0.0187%	+/-0.031%
Carbon	Richard	-0.001688%	+/-0.0430%
Carbon	Vijay	-0.00243% or (-0.243/100uA)%	+/-0.024%
LH <sub>2</sub>	Carlos	-0.0634%	+/-0.006%
LH <sub>2</sub>	Richard	0.07899%	+/-0.0183%
LH <sub>2</sub>	Vijay	-0.0506% or (-5.06/100uA)%	+/-0.010%

# PionLT summer 2019 Lumi Study



# PionLT summer 2019 Lumi Study



# PionLT summer 2019 Lumi Study

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**Boiling Correction Factor,  $C = 1 - \text{slope} * \text{current (uA)}$**

**This (C) will be applied run-by-run basis for all the summer 2019 production runs.**

# PionLT summer 2019 Elastic Cross-Section

